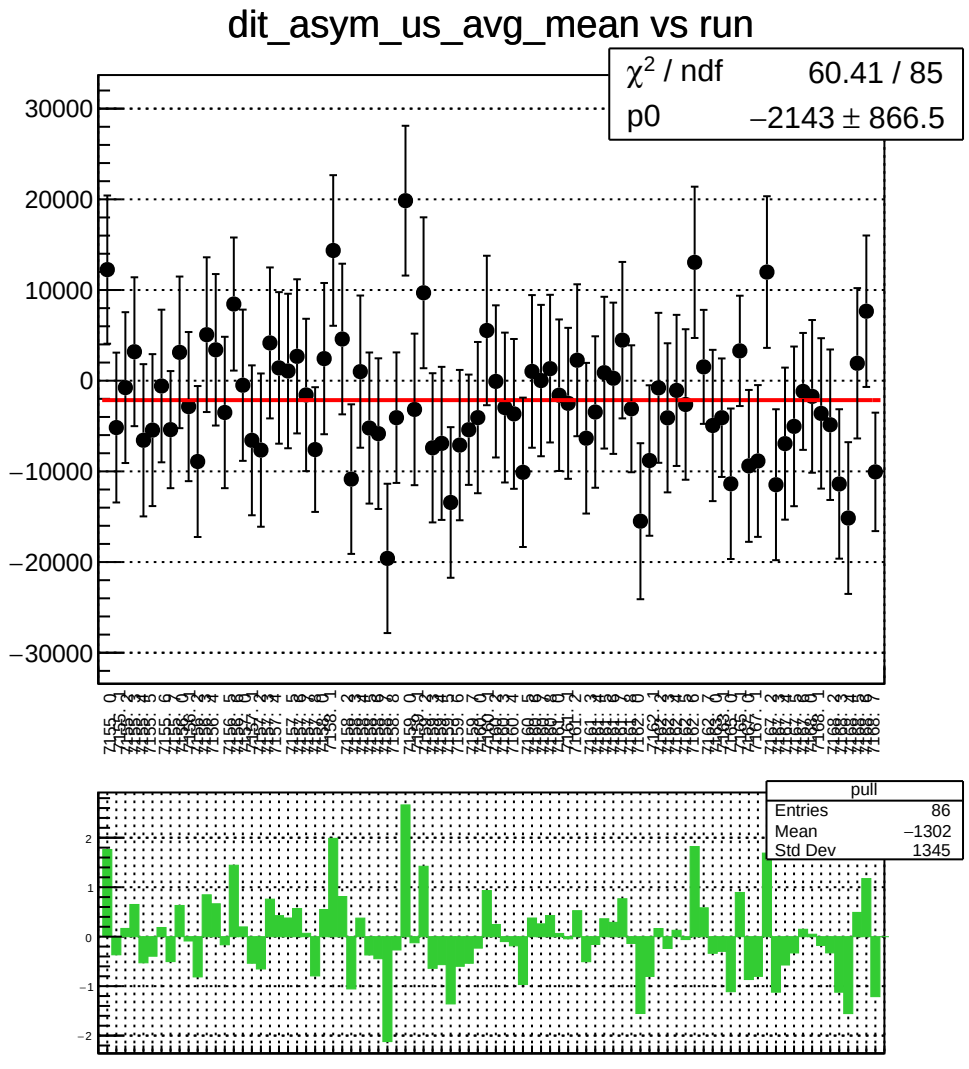
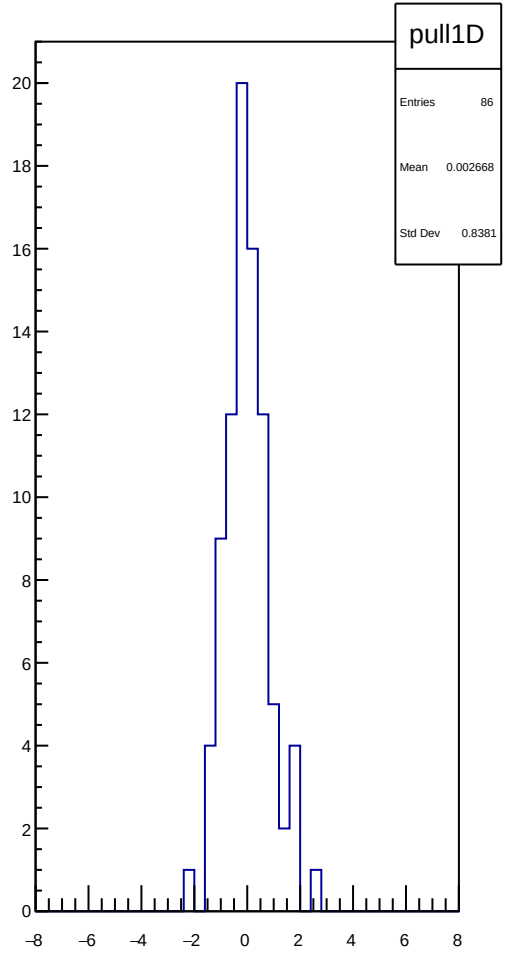
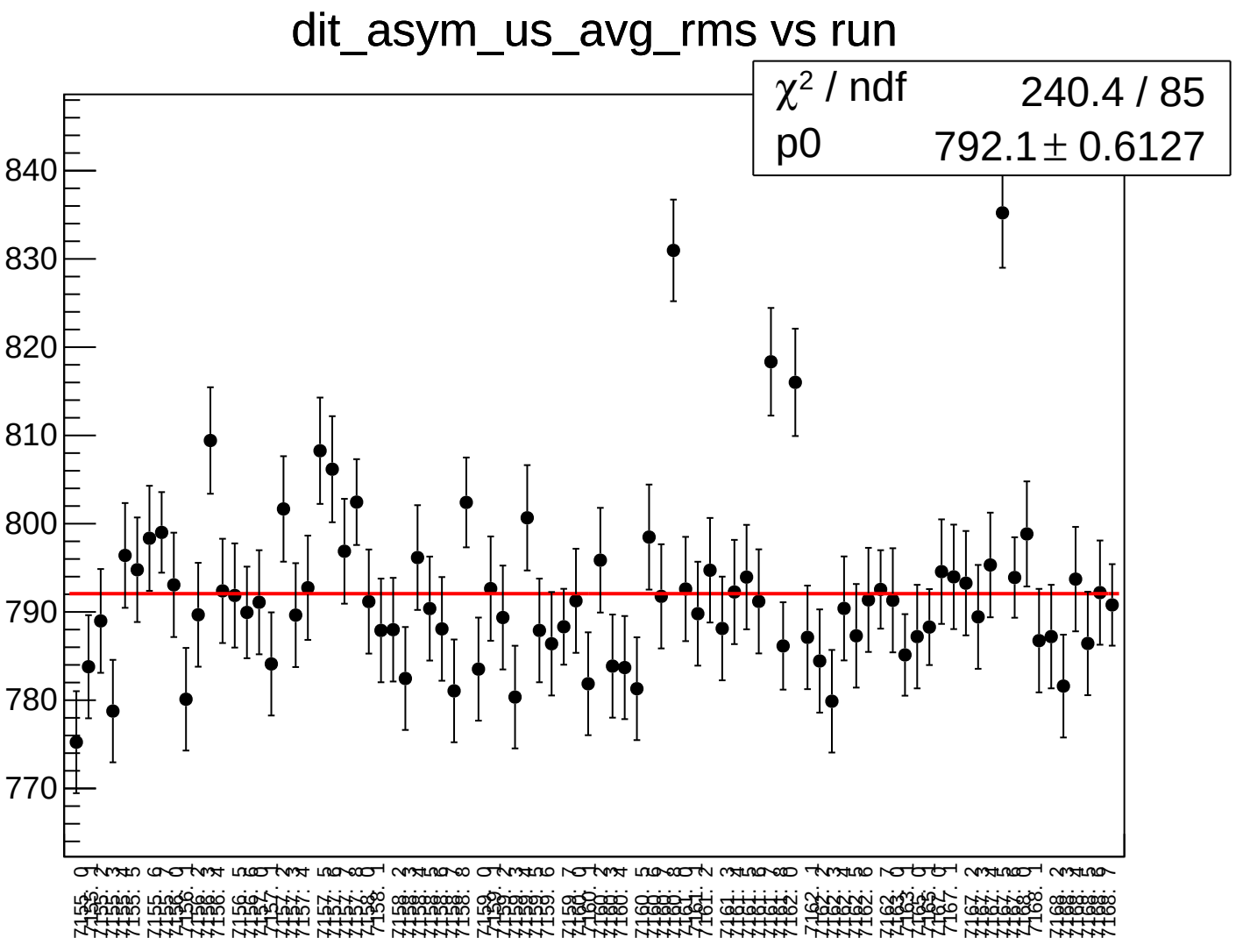
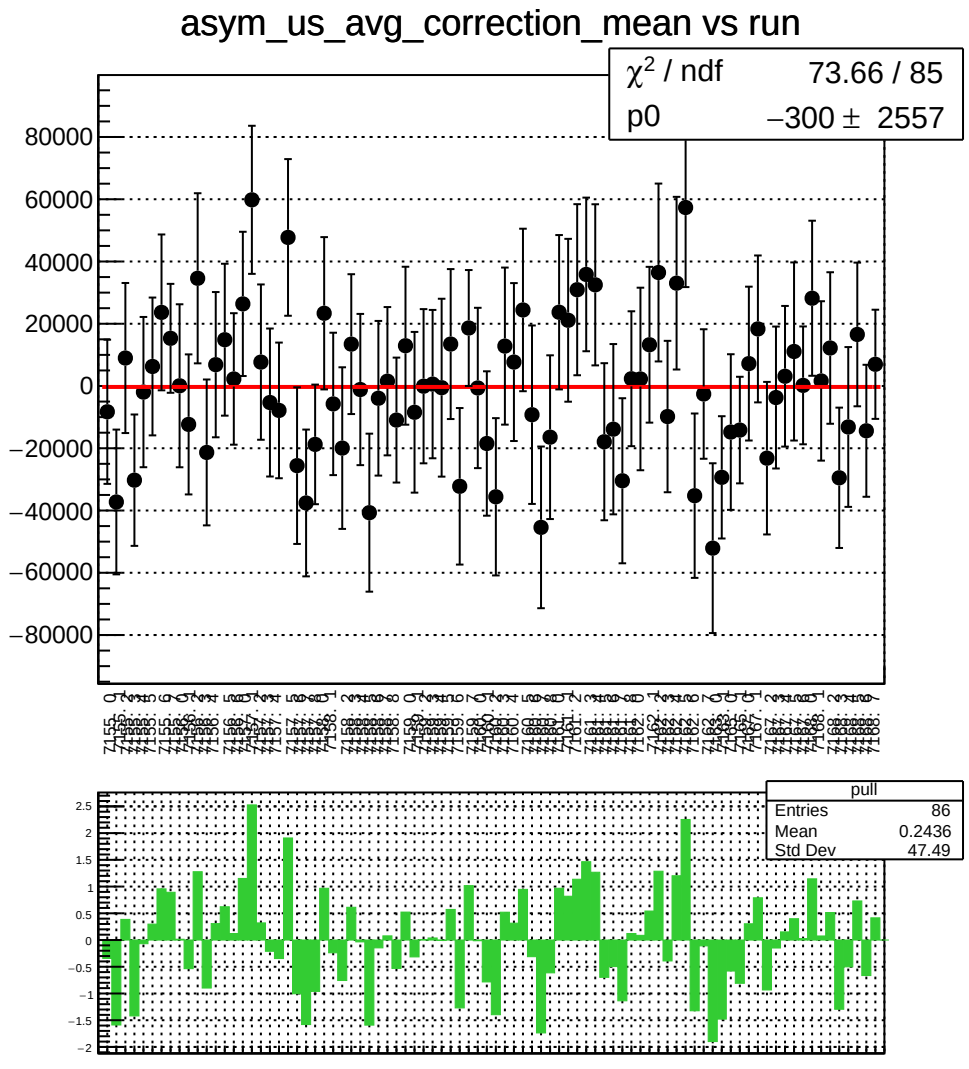
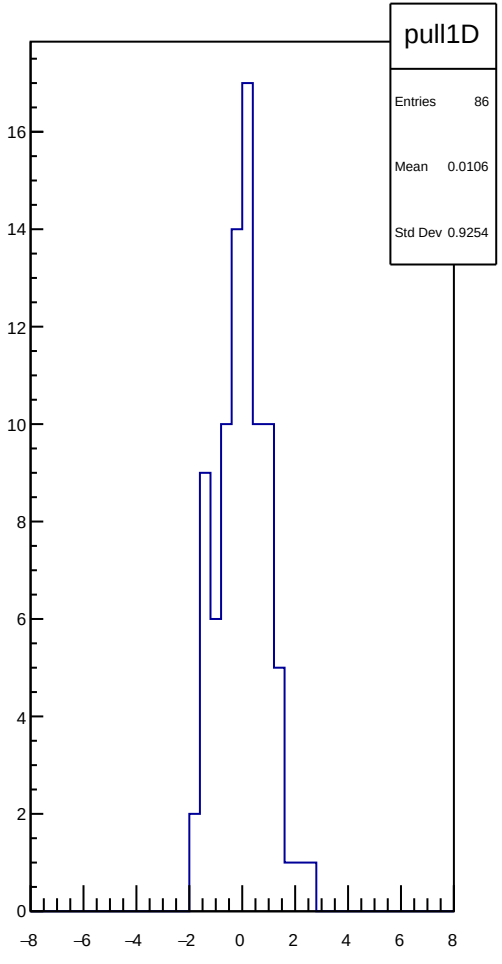
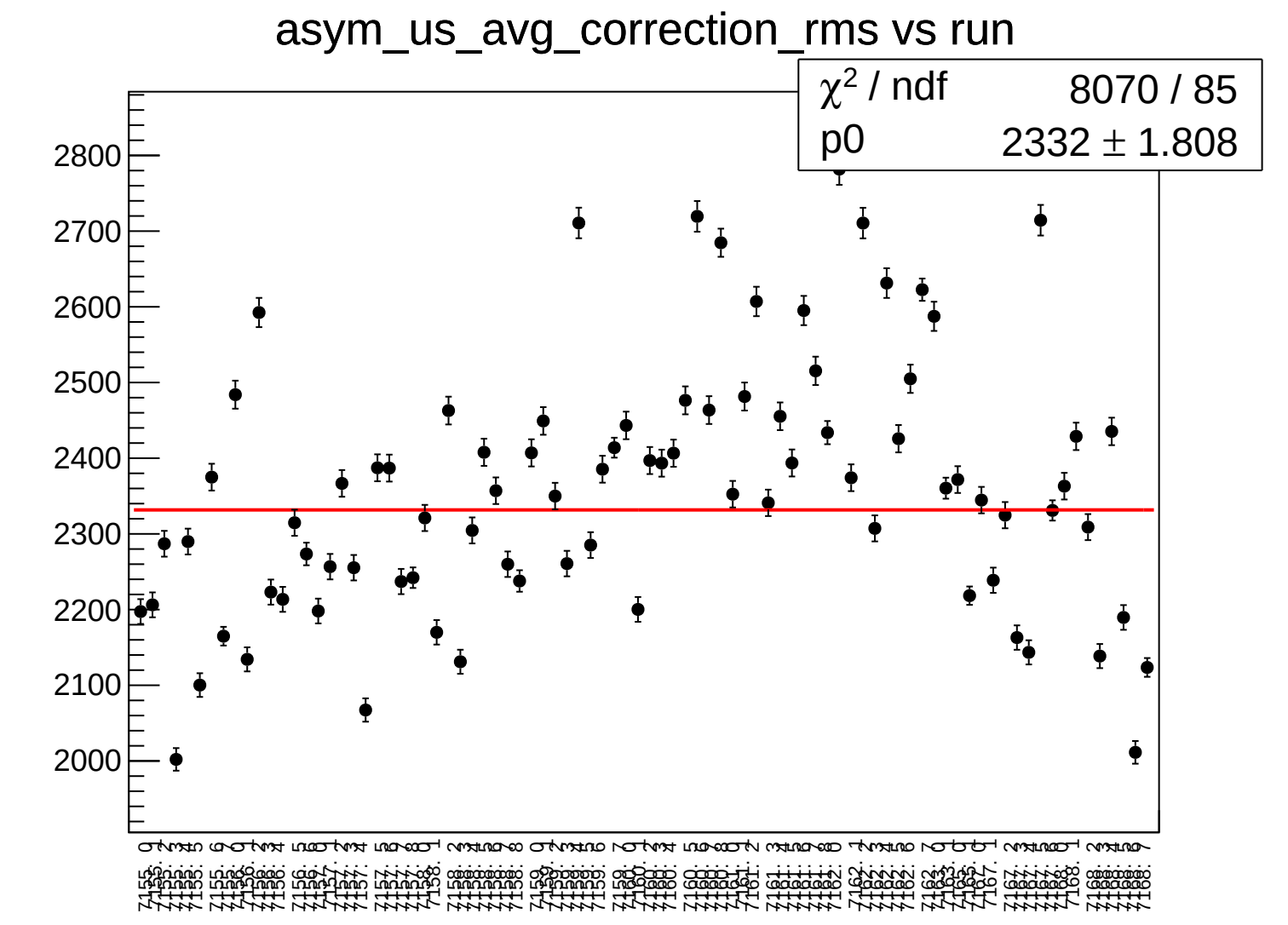

dit_asym_us_avg_mean vs run
χ² / ndf 60.41 / 85
p0 −2143 ± 866.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −1302
Std Dev 1345
2
1
0
−1
−2

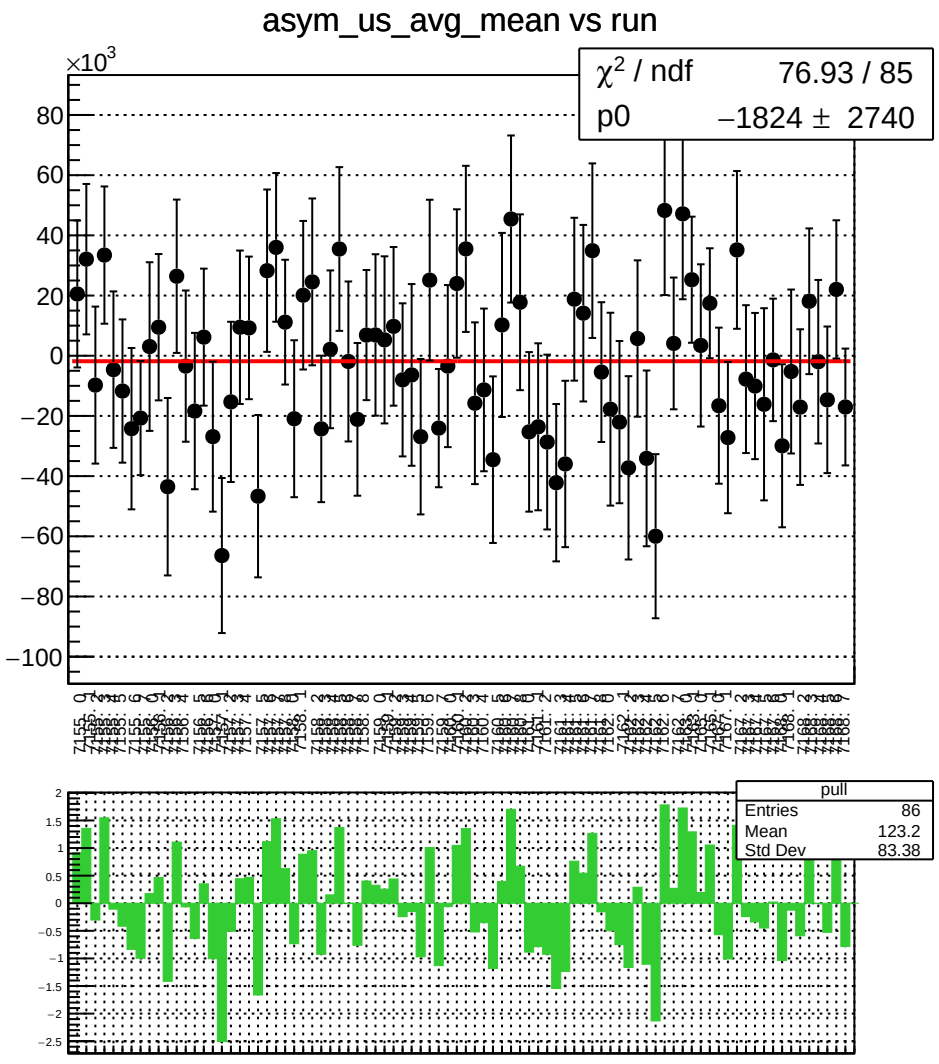

pull1D
Entries 86
Mean 0.002668
Std Dev 0.8381
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

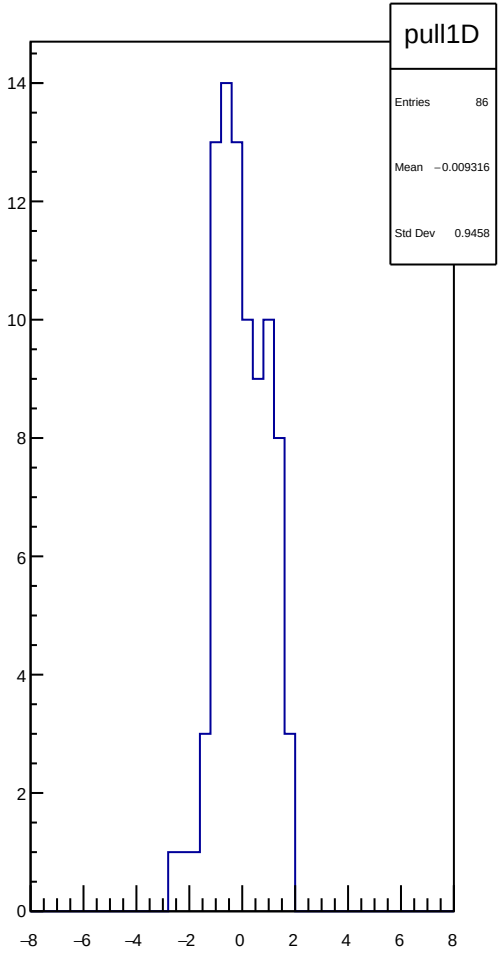

dit_asym_us_avg_rms vs run
χ² / ndf 240.4 / 85
p0 792.1 ± 0.6127
840
830
820
810
800
790
780
770

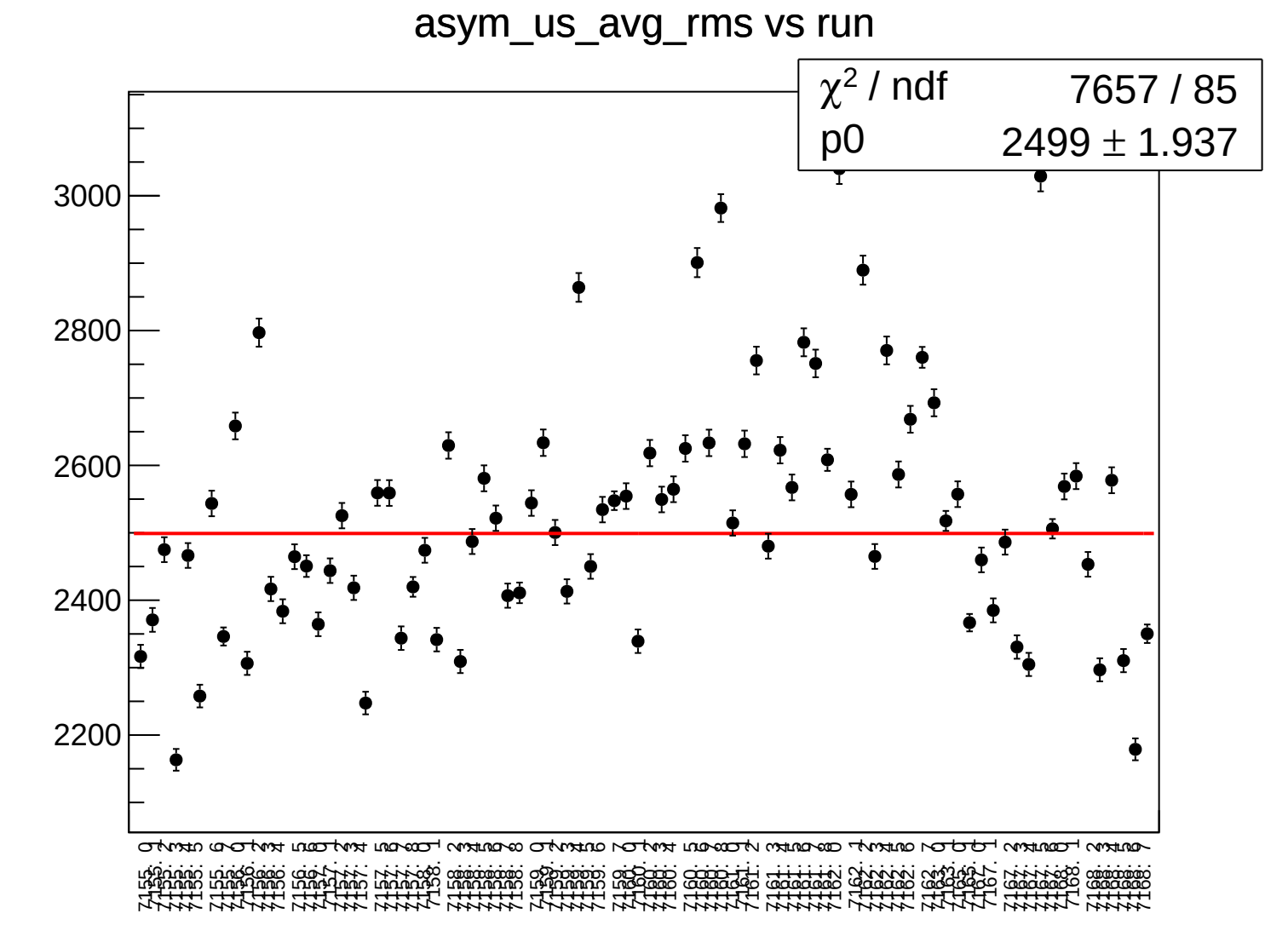

asym_us_avg_correction_mean vs run
χ² / ndf 73.66 / 85
p0 −300 ± 2557
pull
Entries 86
Mean 0.2436
Std Dev 47.49

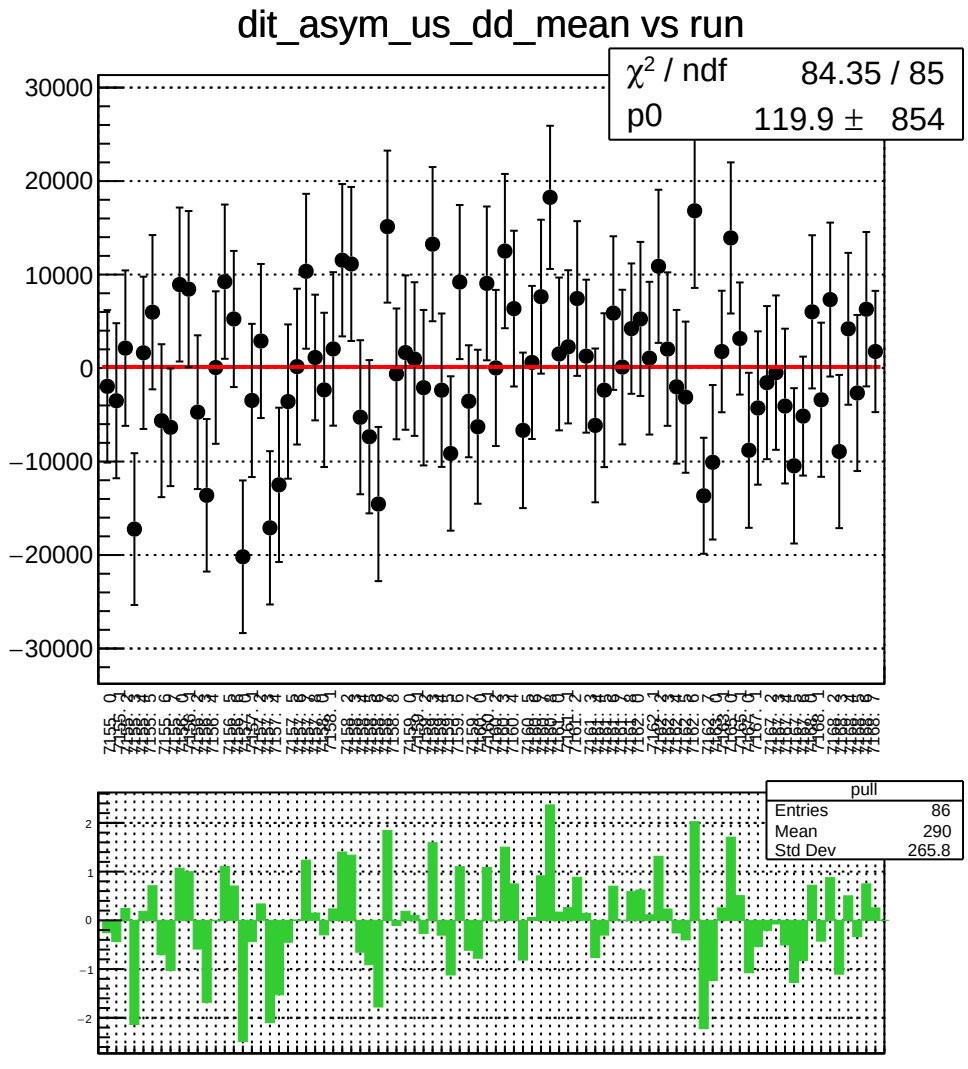

pull1D
Entries 86
Mean 0.0106
Std Dev 0.9254

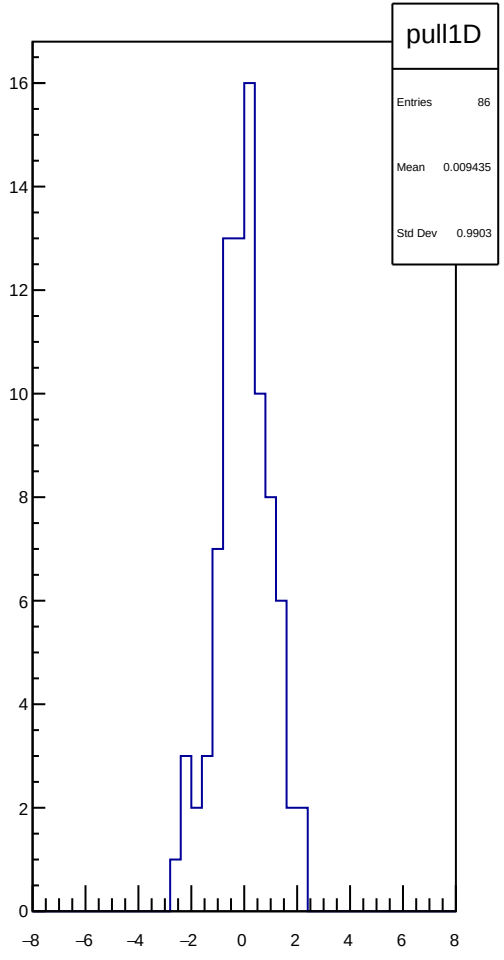

asym_us_avg_correction_rms vs run
χ² / ndf 8070 / 85
p0 2332 ± 1.808
2800
2700
2600
2500
2400
2300
2200
2100
2000

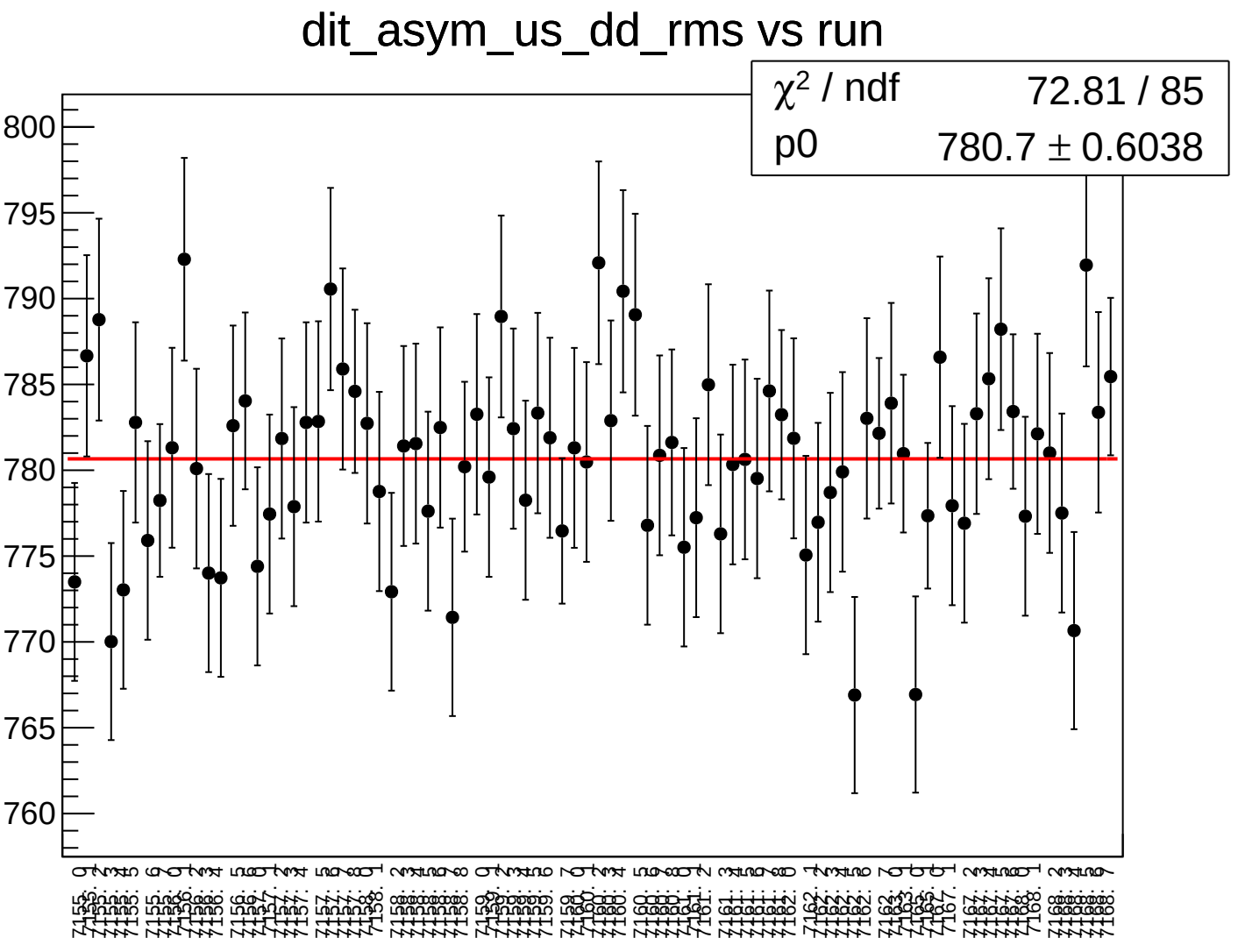

asym_us_avg_mean vs run
×10^3
χ² / ndf 76.93 / 85
p0 −1824 ± 2740
pull
Entries 86
Mean 123.2
Std Dev 83.38

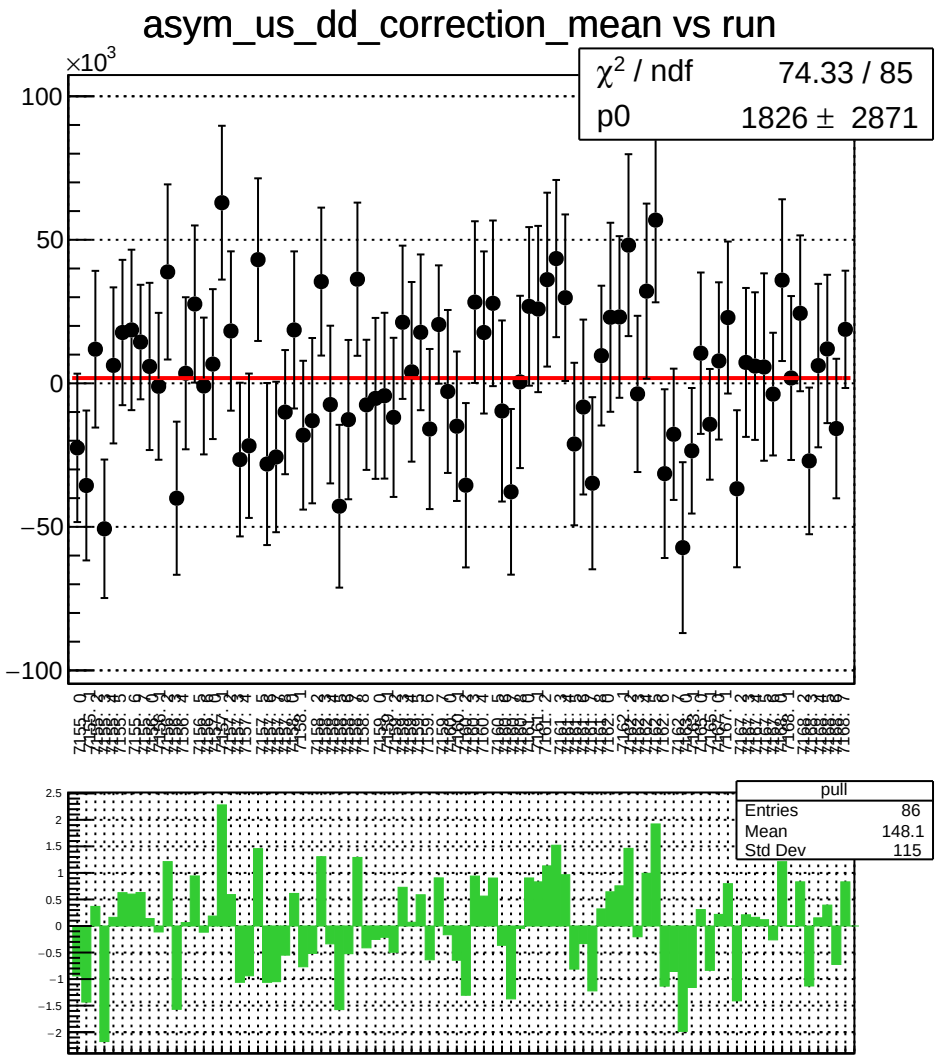

pull1D
Entries 86
Mean −0.009316
Std Dev 0.9458

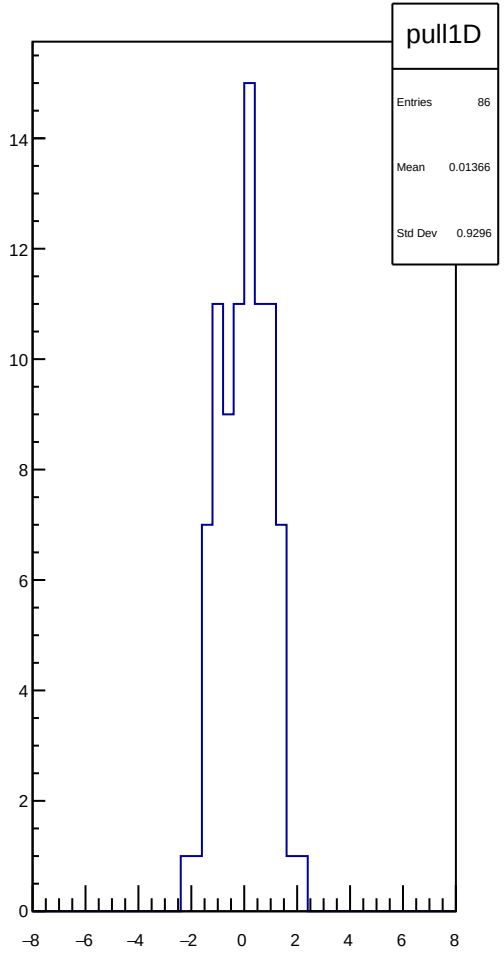

asym_us_avg_rms vs run
χ^2 / ndf 7657 / 85
p0 2499 ± 1.937
3000
2800
2600
2400
2200

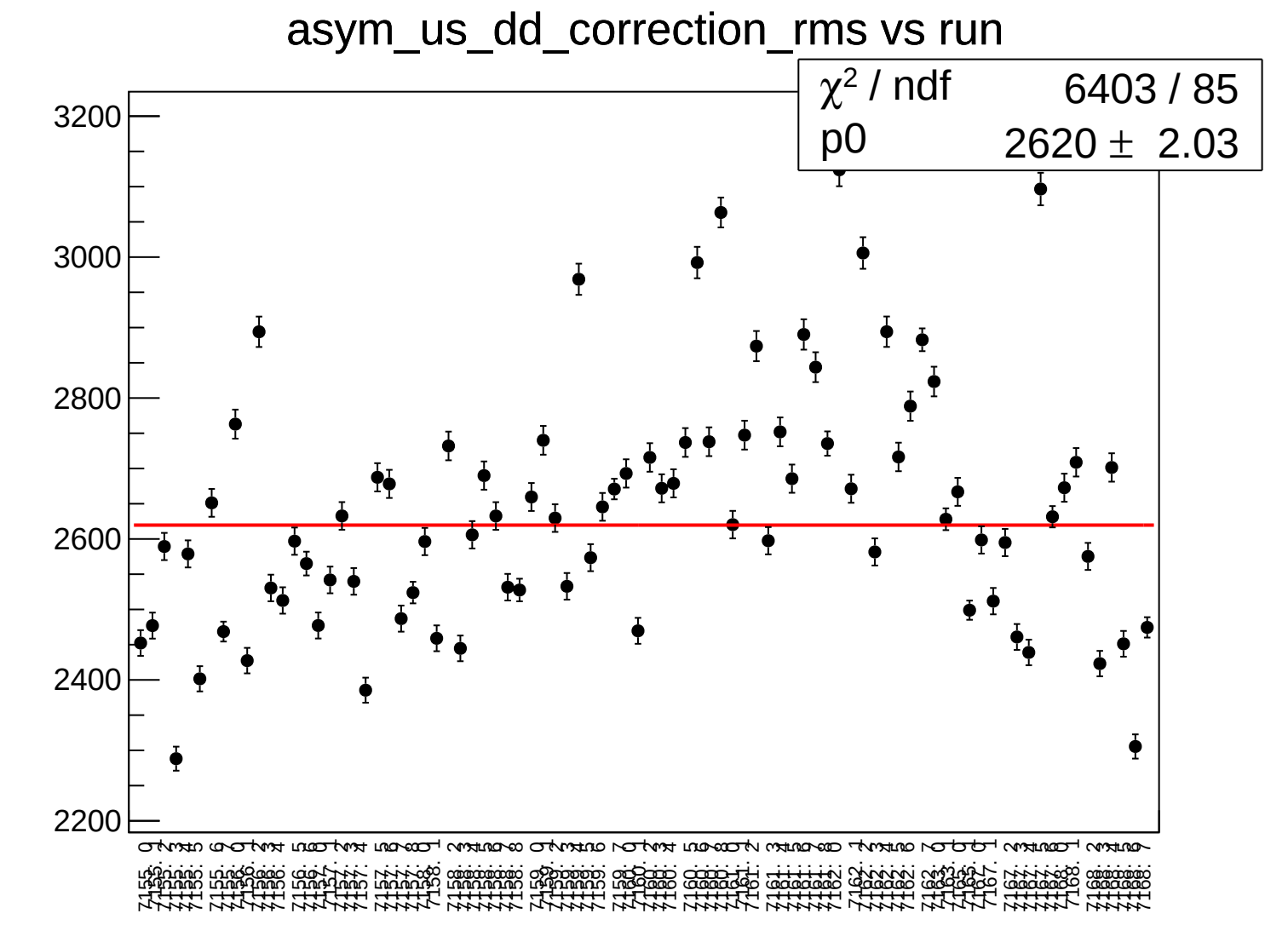

dit_asym_us_dd_mean vs run
χ² / ndf 84.35 / 85
p0 119.9 ± 854
pull
Entries 86
Mean 290
Std Dev 265.8

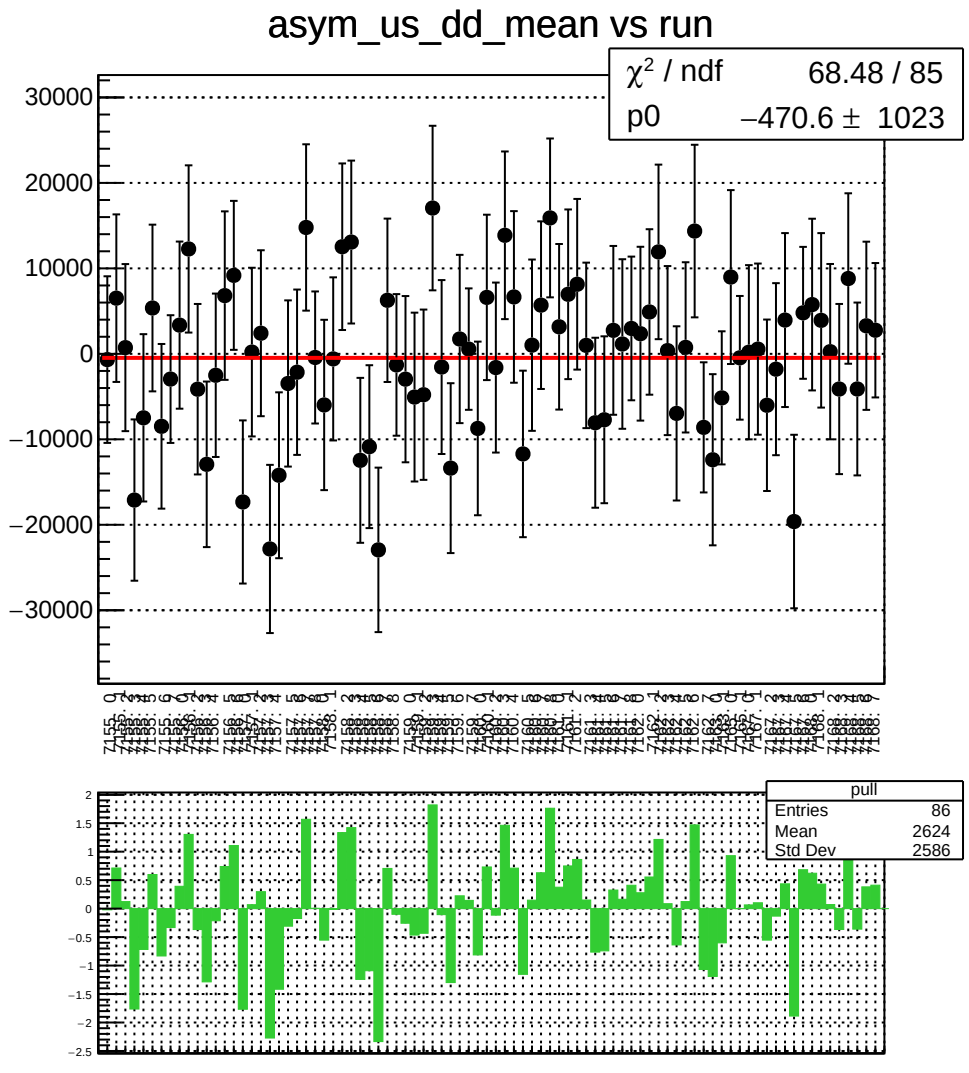

pull1D
Entries 86
Mean 0.009435
Std Dev 0.9903

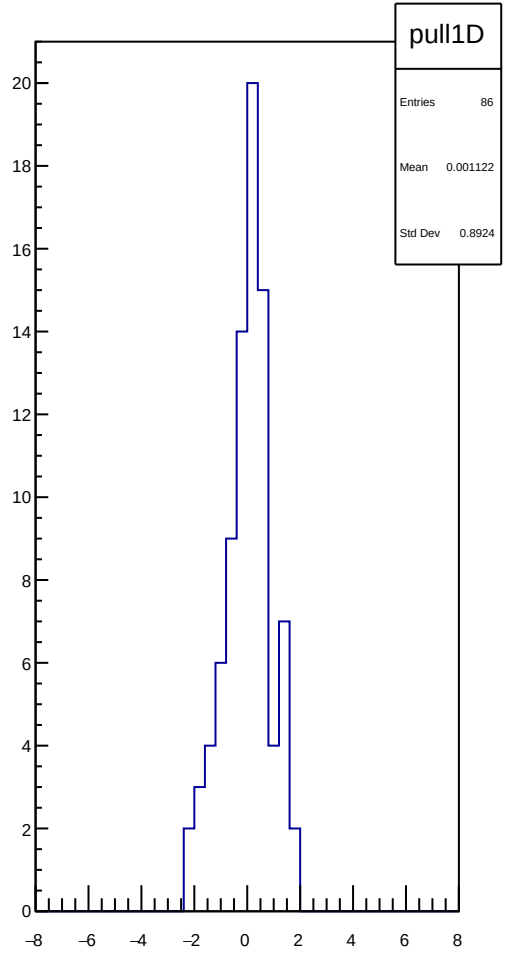

dit_asym_us_dd_rms vs run
χ^2 / ndf 72.81 / 85
p0 780.7 ± 0.6038
800
795
790
785
780
775
770
765
760

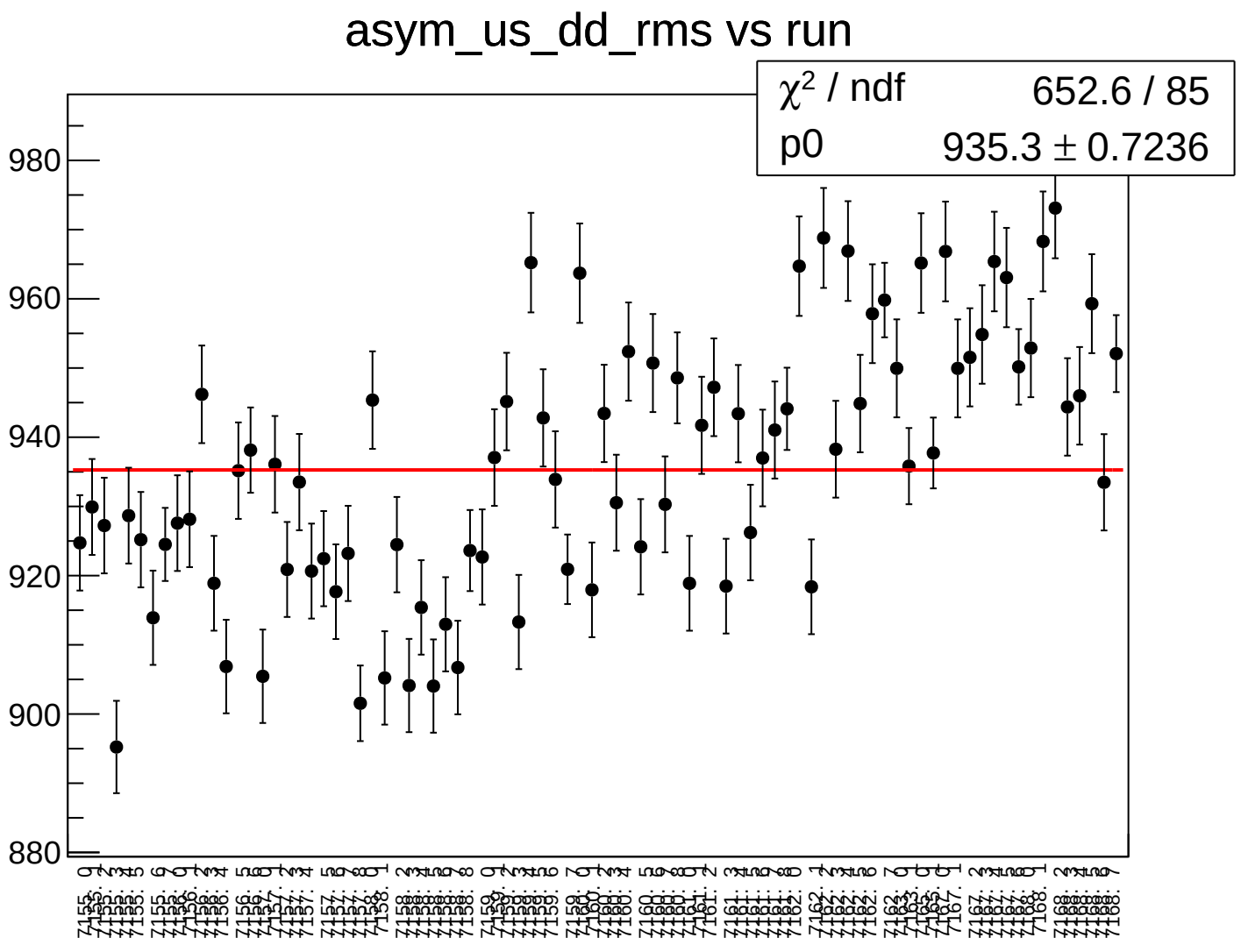

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 74.33 / 85
p0 1826 ± 2871
100
50
0
−50
−100
pull
Entries 86
Mean 148.1
Std Dev 115
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

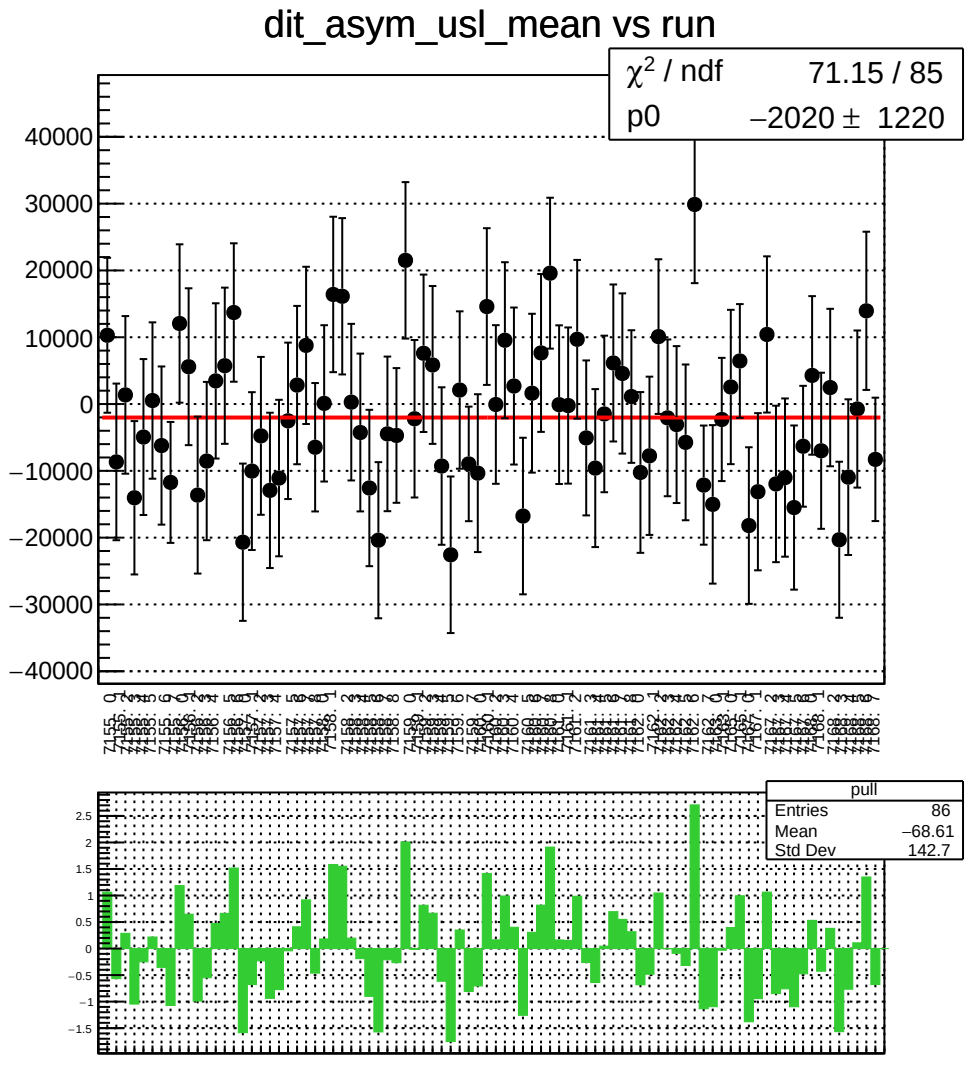

pull1D
Entries 86
Mean 0.01366
Std Dev 0.9296
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

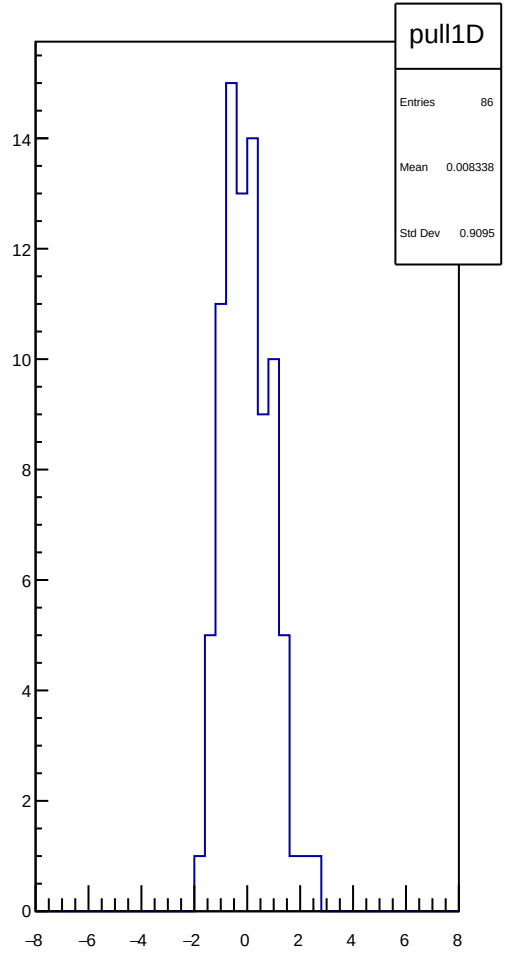

asym_us_dd_correction_rms vs run
χ² / ndf 6403 / 85
p0 2620 ± 2.03
3200
3000
2800
2600
2400
2200

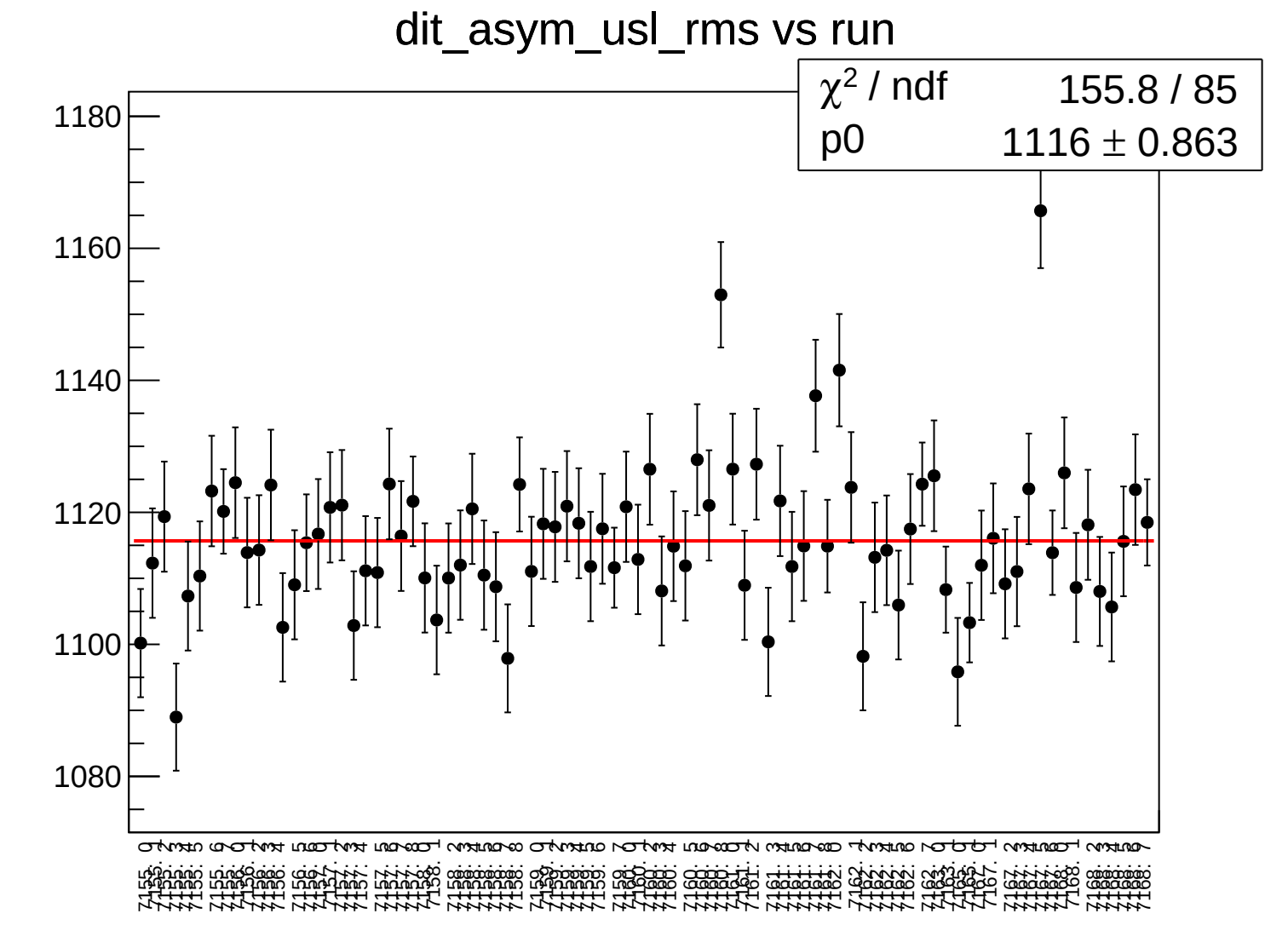

asym_us_dd_mean vs run
χ² / ndf 68.48 / 85
p0 −470.6 ± 1023
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 2624
Std Dev 2586
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

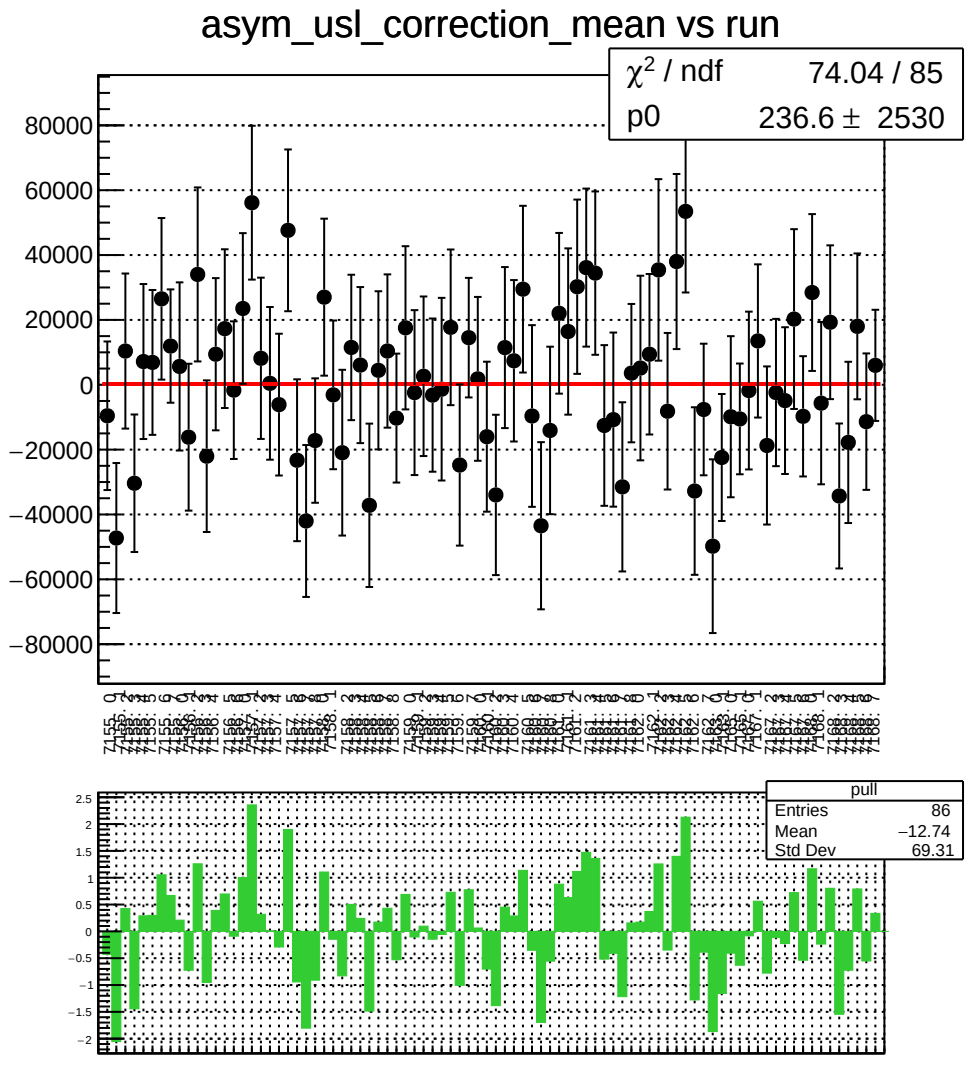

pull1D
Entries 86
Mean 0.001122
Std Dev 0.8924
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

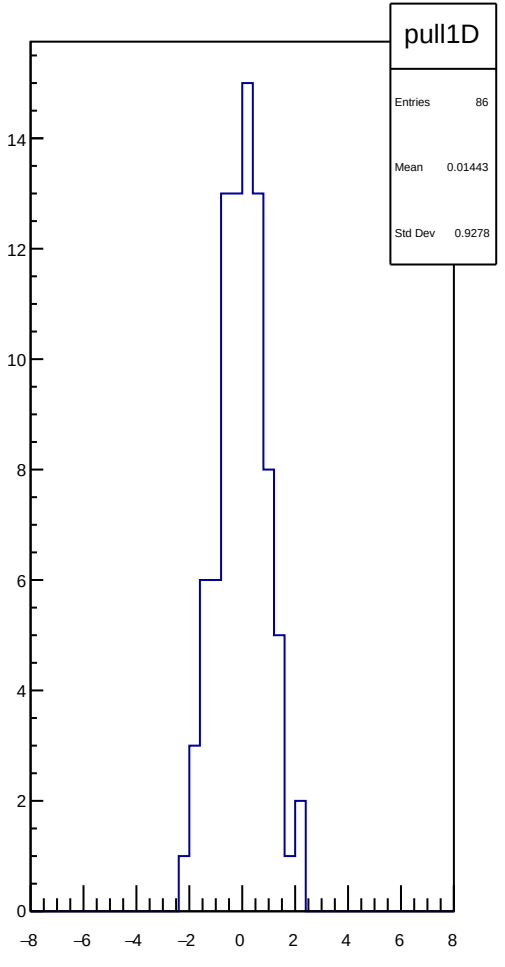

asym_us_dd_rms vs run
χ^2 / ndf 652.6 / 85
p0 935.3 ± 0.7236
980
960
940
920
900
880

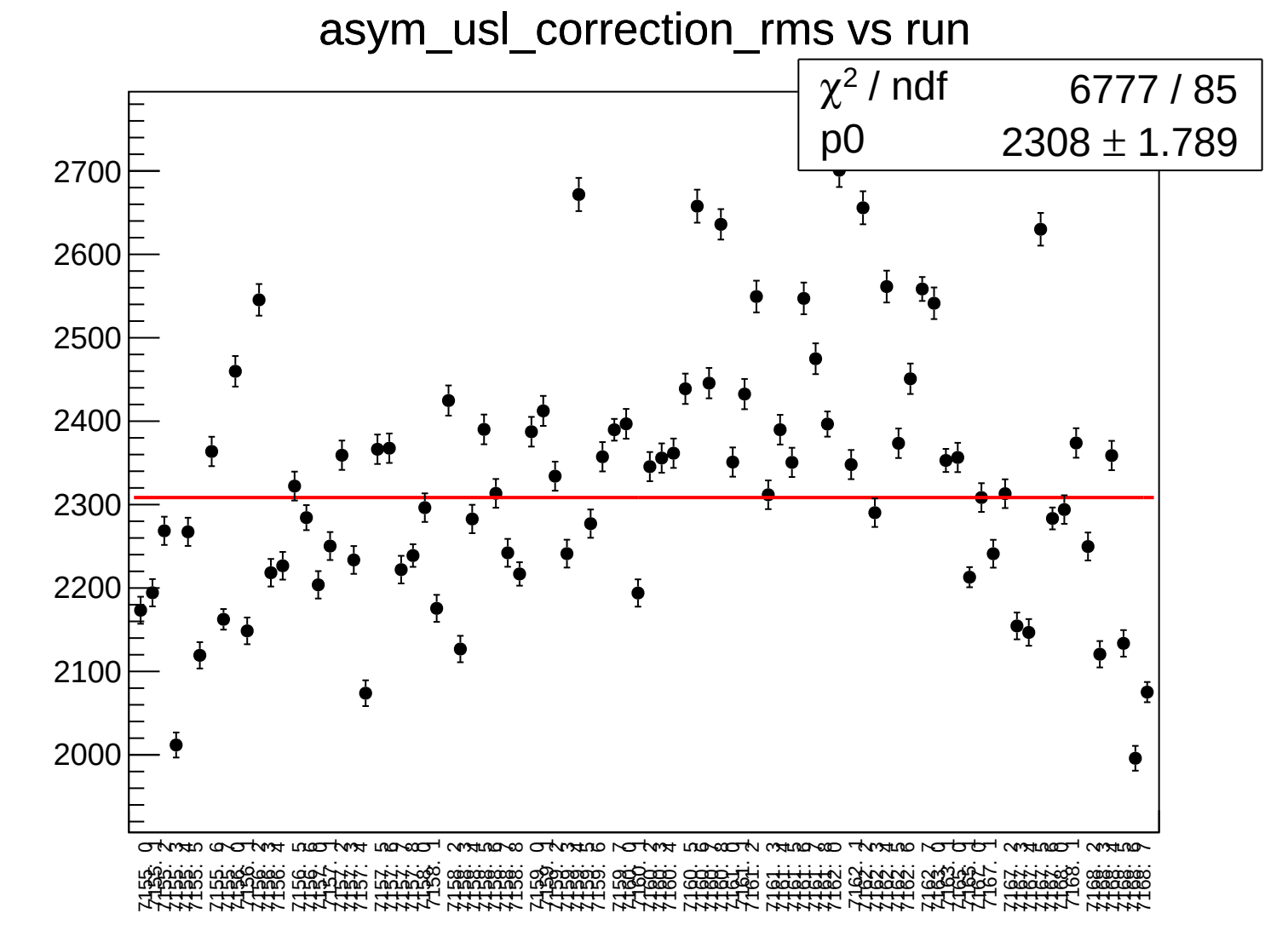

dit_asym_usl_mean vs run
χ² / ndf 71.15 / 85
p0 −2020 ± 1220
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −68.61
Std Dev 142.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

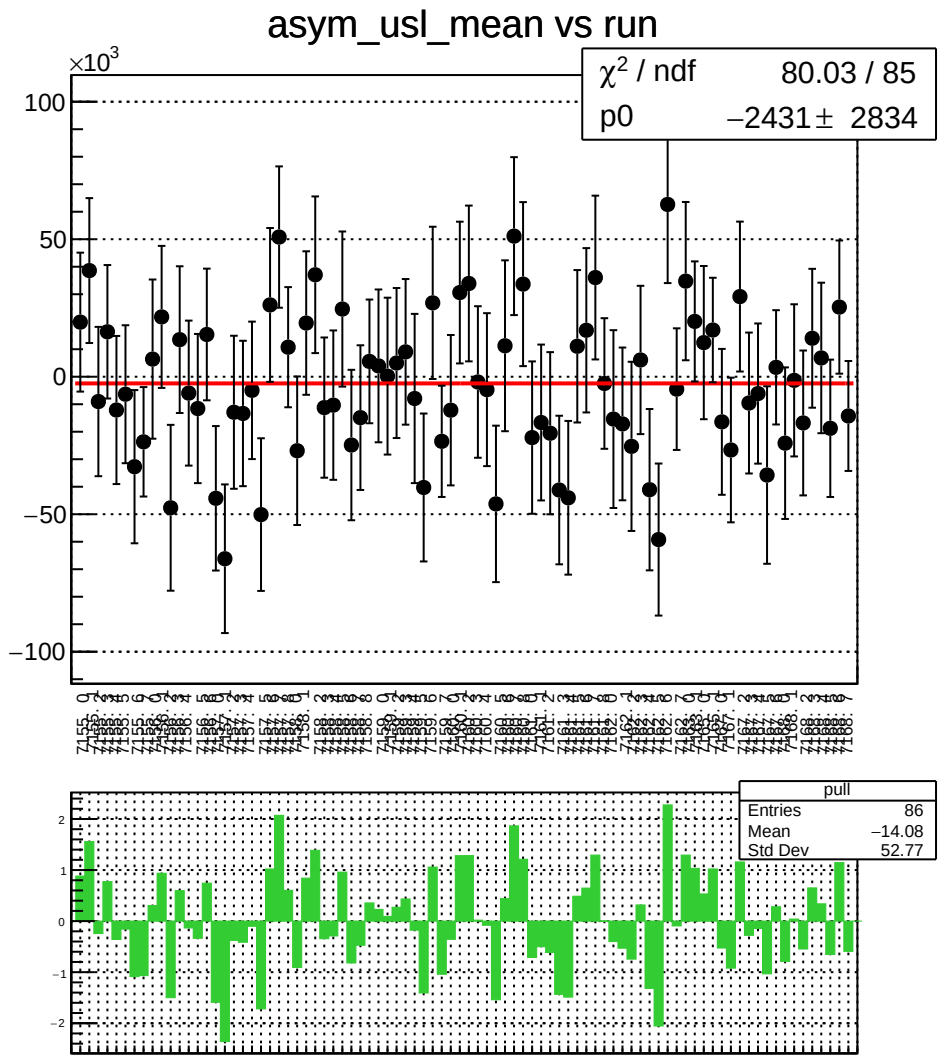

pull1D
Entries 86
Mean 0.008338
Std Dev 0.9095
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

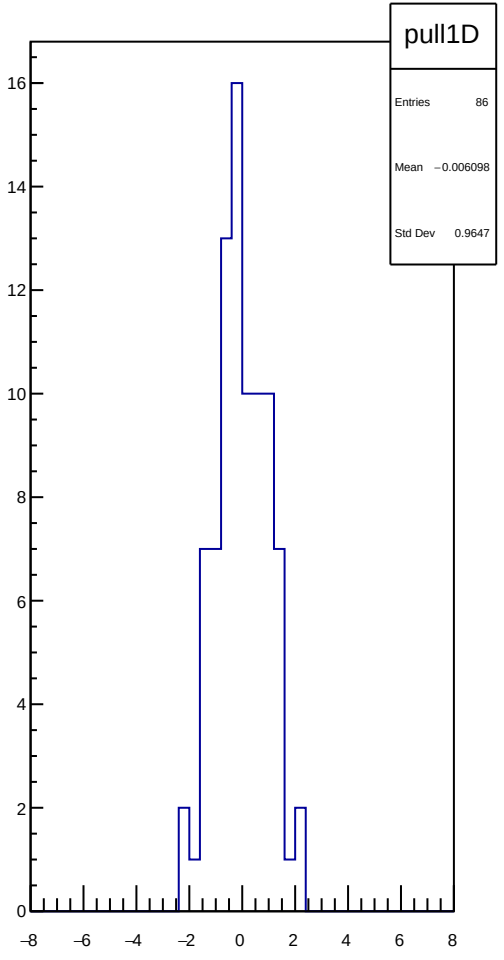

dit_asym_usl_rms vs run
χ² / ndf 155.8 / 85
p0 1116 ± 0.863
1180
1160
1140
1120
1100
1080

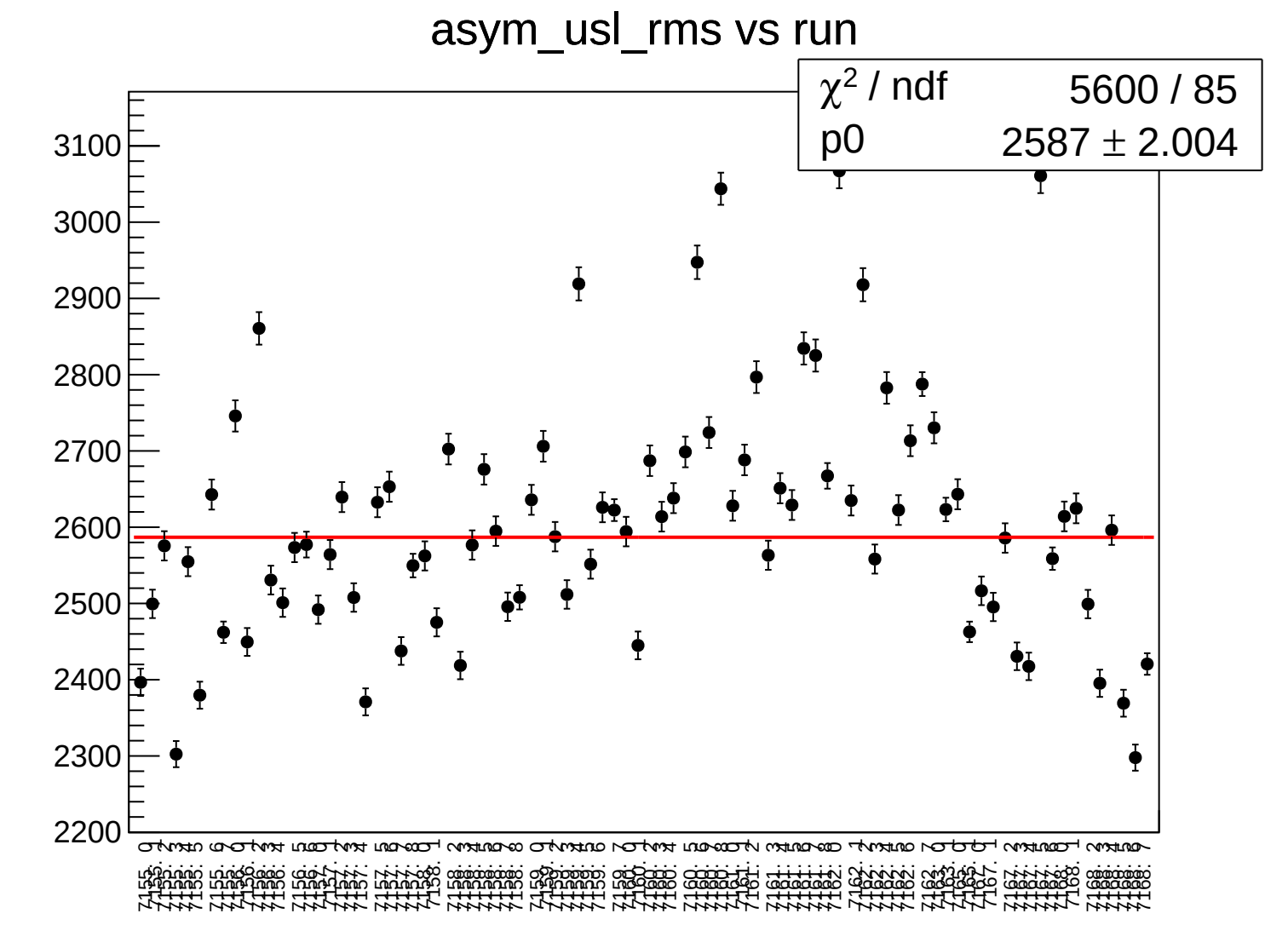

asym_usl_correction_mean vs run
χ² / ndf 74.04 / 85
p0 236.6 ± 2530
pull
Entries 86
Mean −12.74
Std Dev 69.31

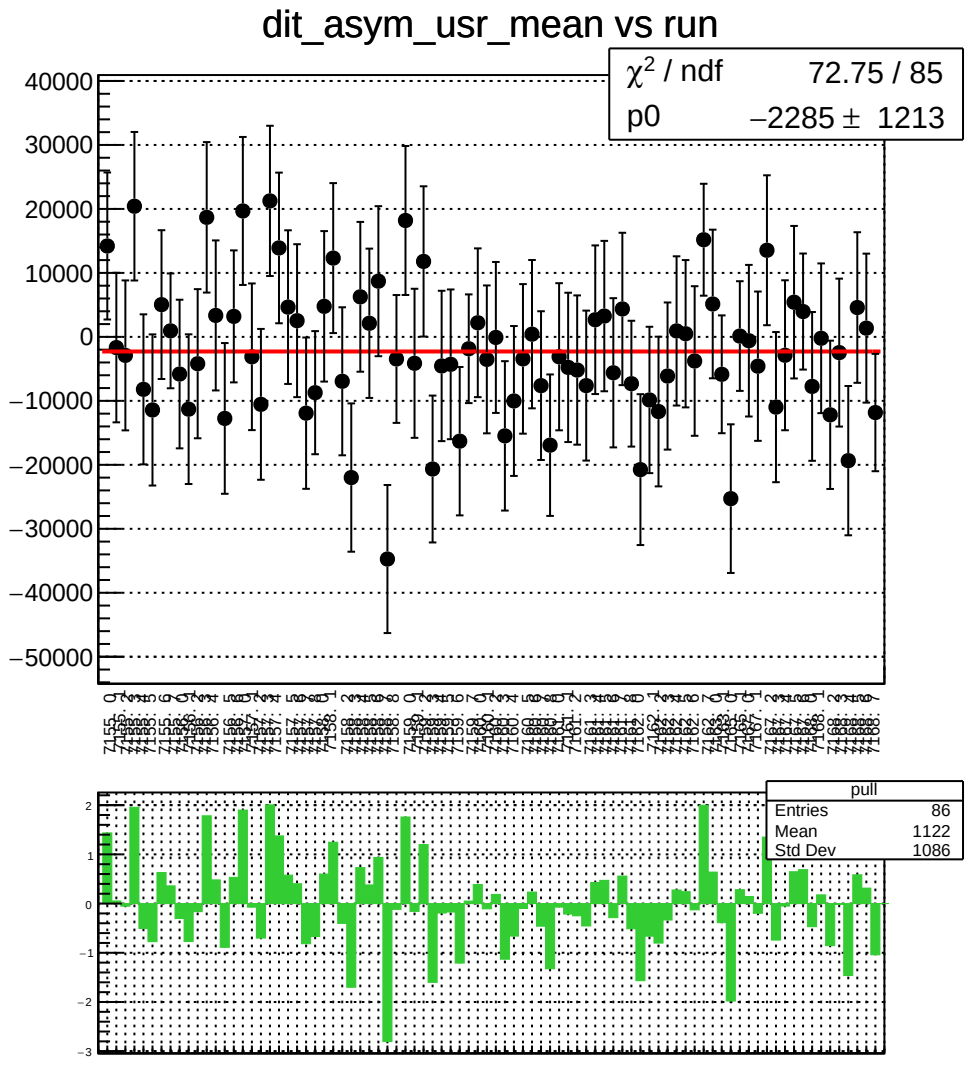

pull1D
Entries 86
Mean 0.01443
Std Dev 0.9278

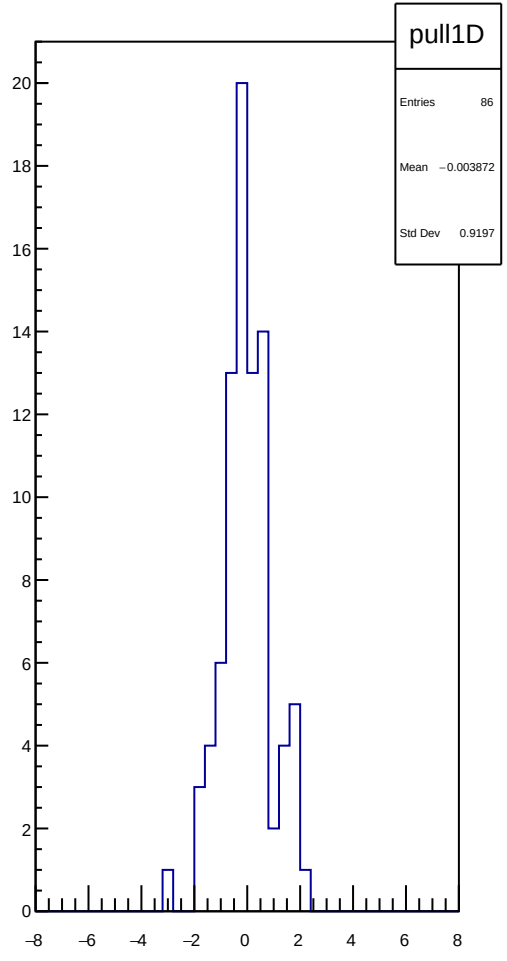

asym_usl_correction_rms vs run
χ² / ndf 6777 / 85
p0 2308 ± 1.789
2700
2600
2500
2400
2300
2200
2100
2000

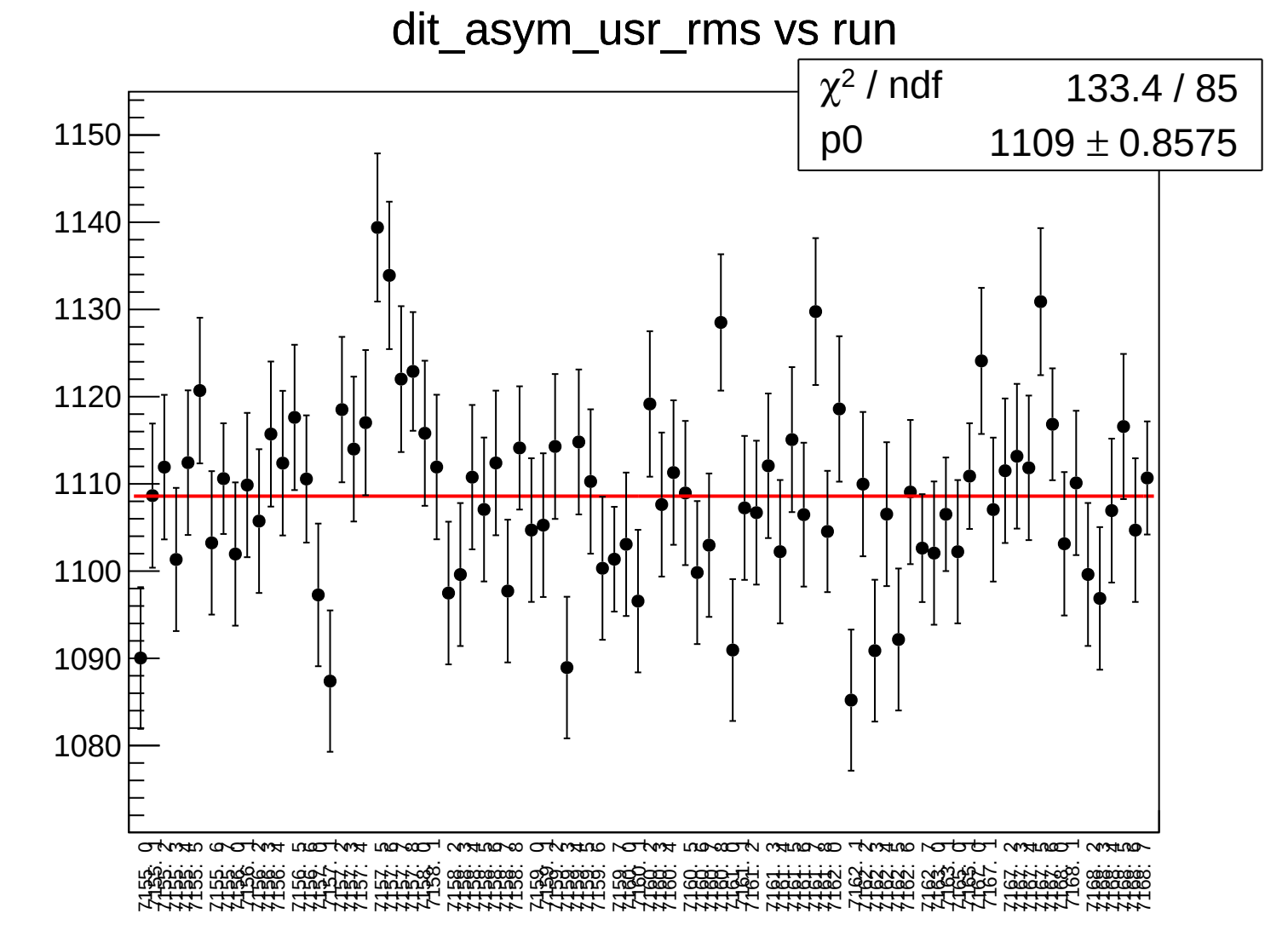

asym_usl_mean vs run
×10^3
χ² / ndf 80.03 / 85
p0 −2431 ± 2834
100
50
0
−50
−100
pull
Entries 86
Mean −14.08
Std Dev 52.77
2
1
0
−1
−2

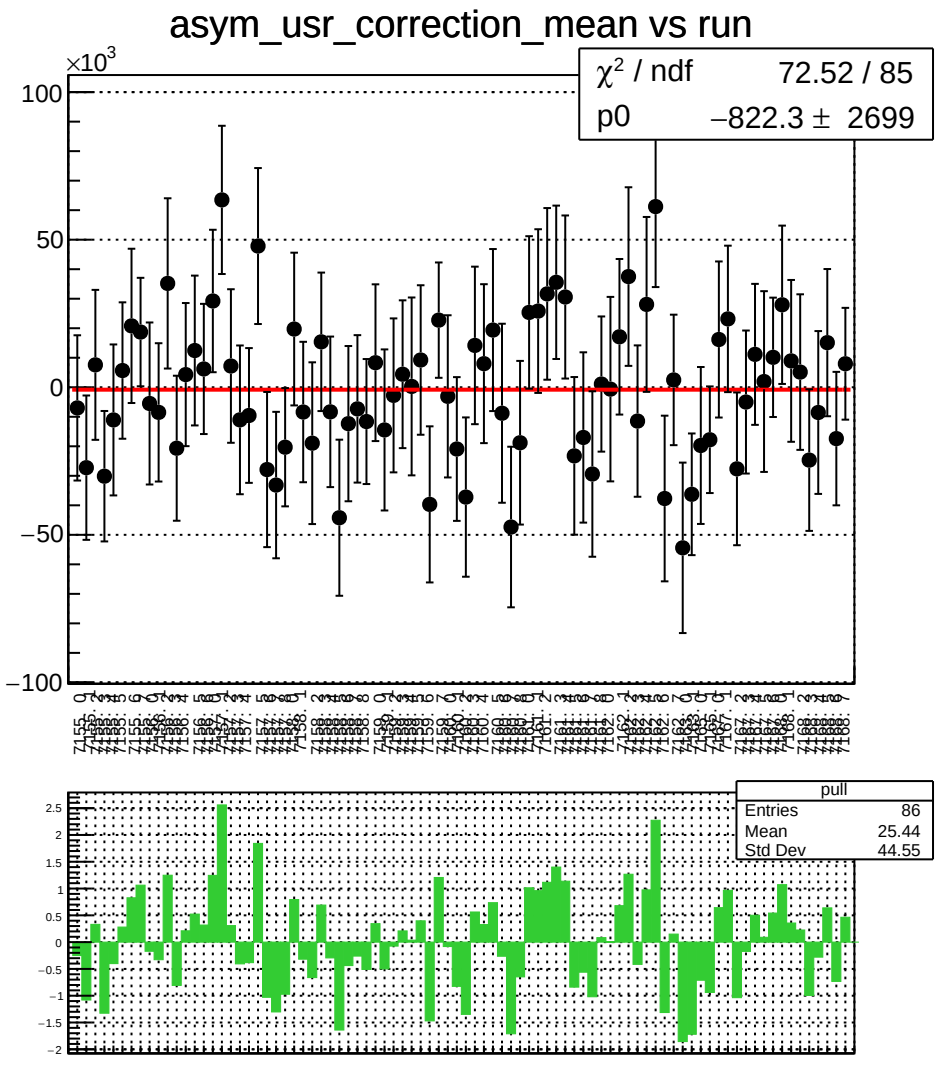

pull1D
Entries 86
Mean −0.006098
Std Dev 0.9647
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

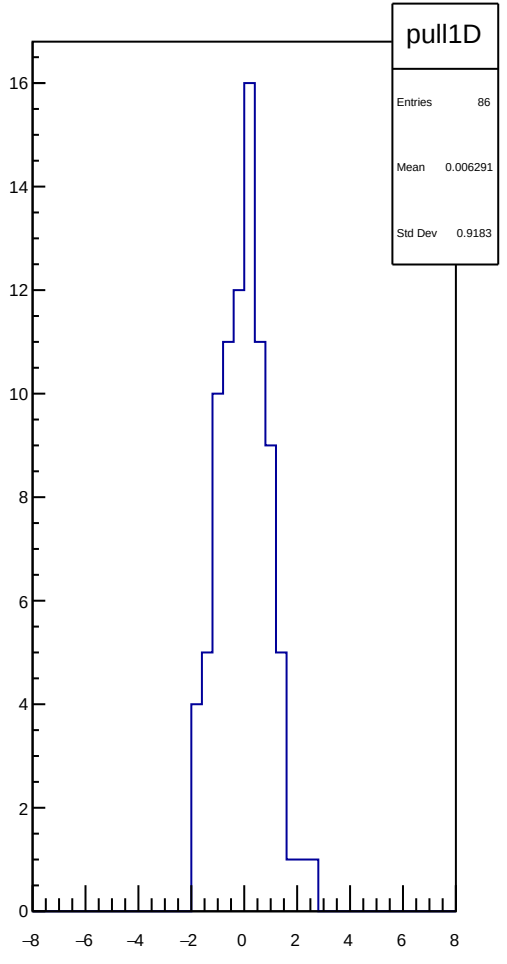

asym_usl_rms vs run
χ^2 / ndf 5600 / 85
p0 2587 ± 2.004
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

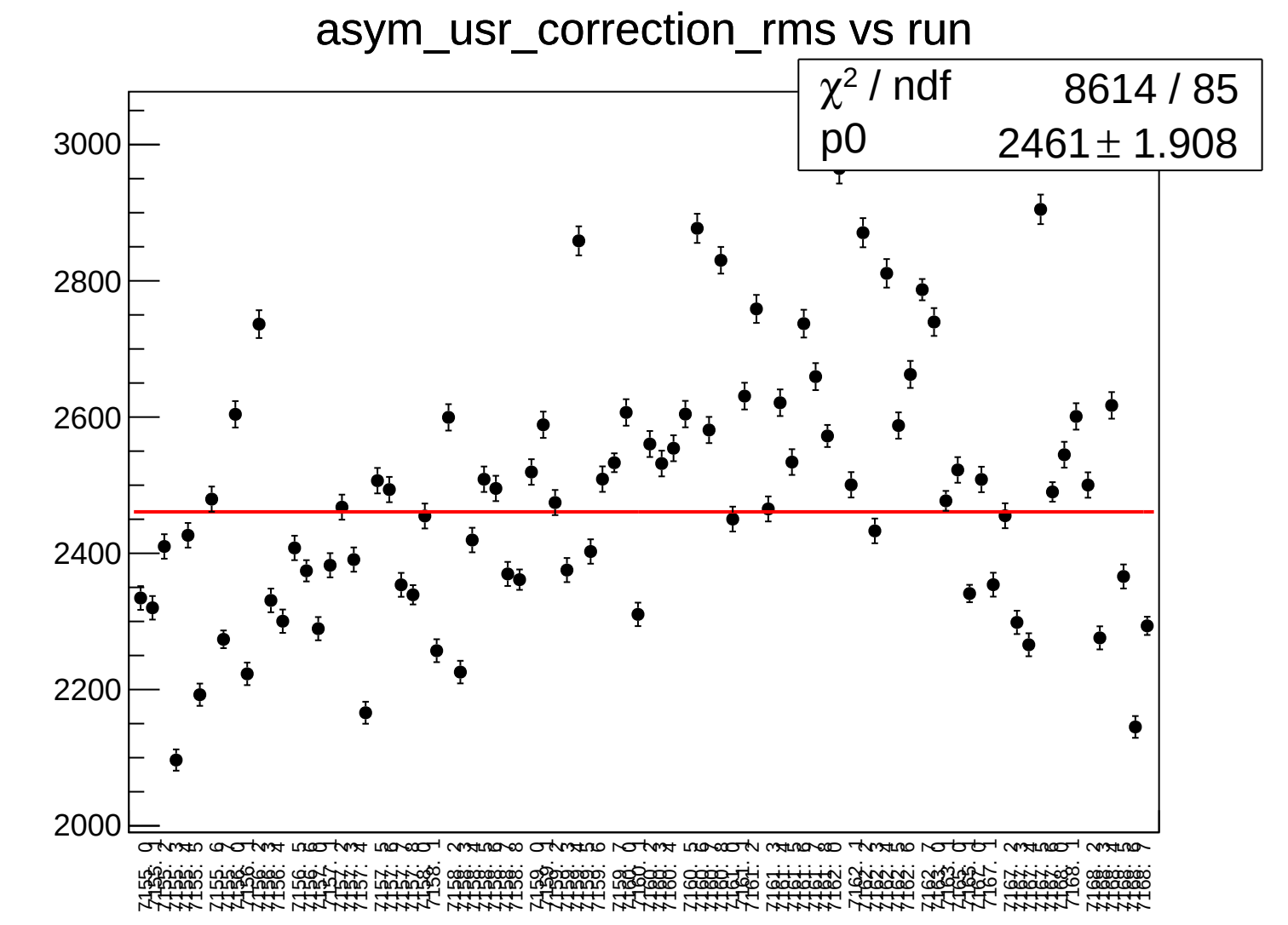

dit_asym_usr_mean vs run
χ² / ndf 72.75 / 85
p0 −2285 ± 1213
pull
Entries 86
Mean 1122
Std Dev 1086

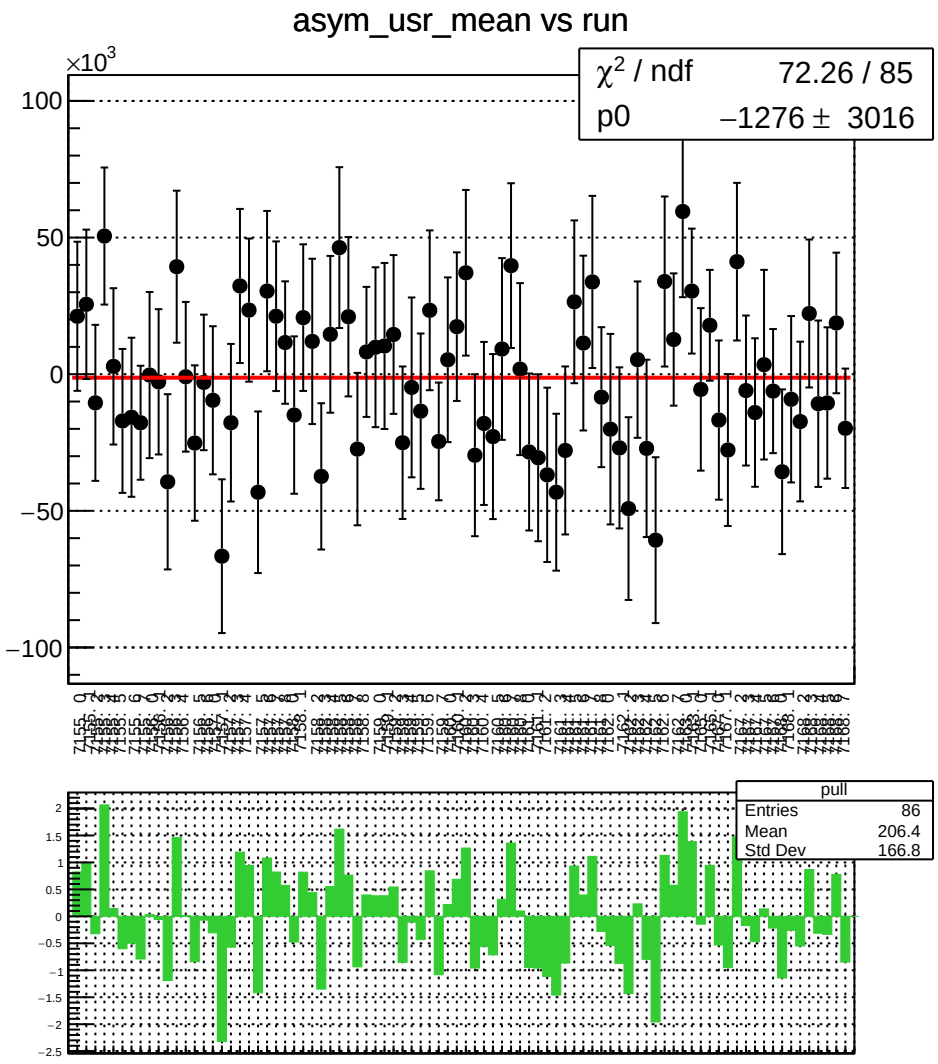

pull1D
Entries 86
Mean −0.003872
Std Dev 0.9197

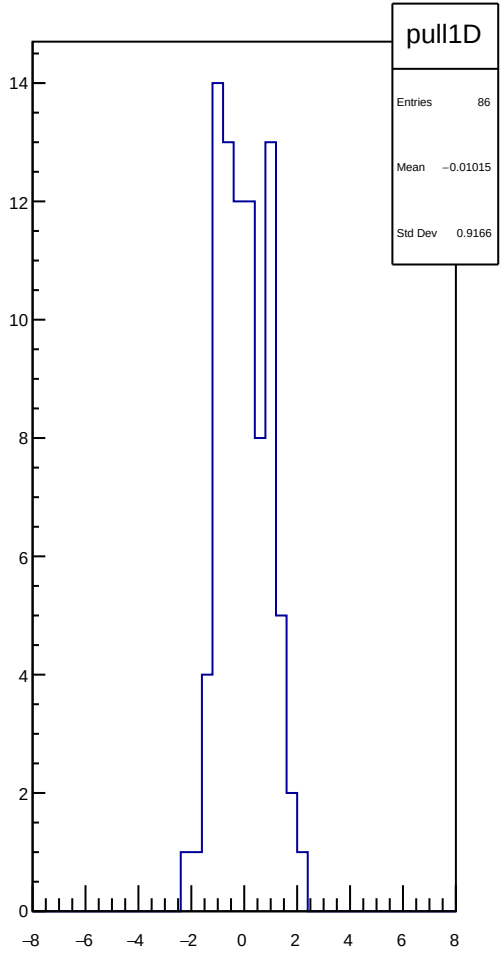

dit_asym_usr_rms vs run
χ² / ndf 133.4 / 85
p0 1109 ± 0.8575
1150
1140
1130
1120
1110
1100
1090
1080

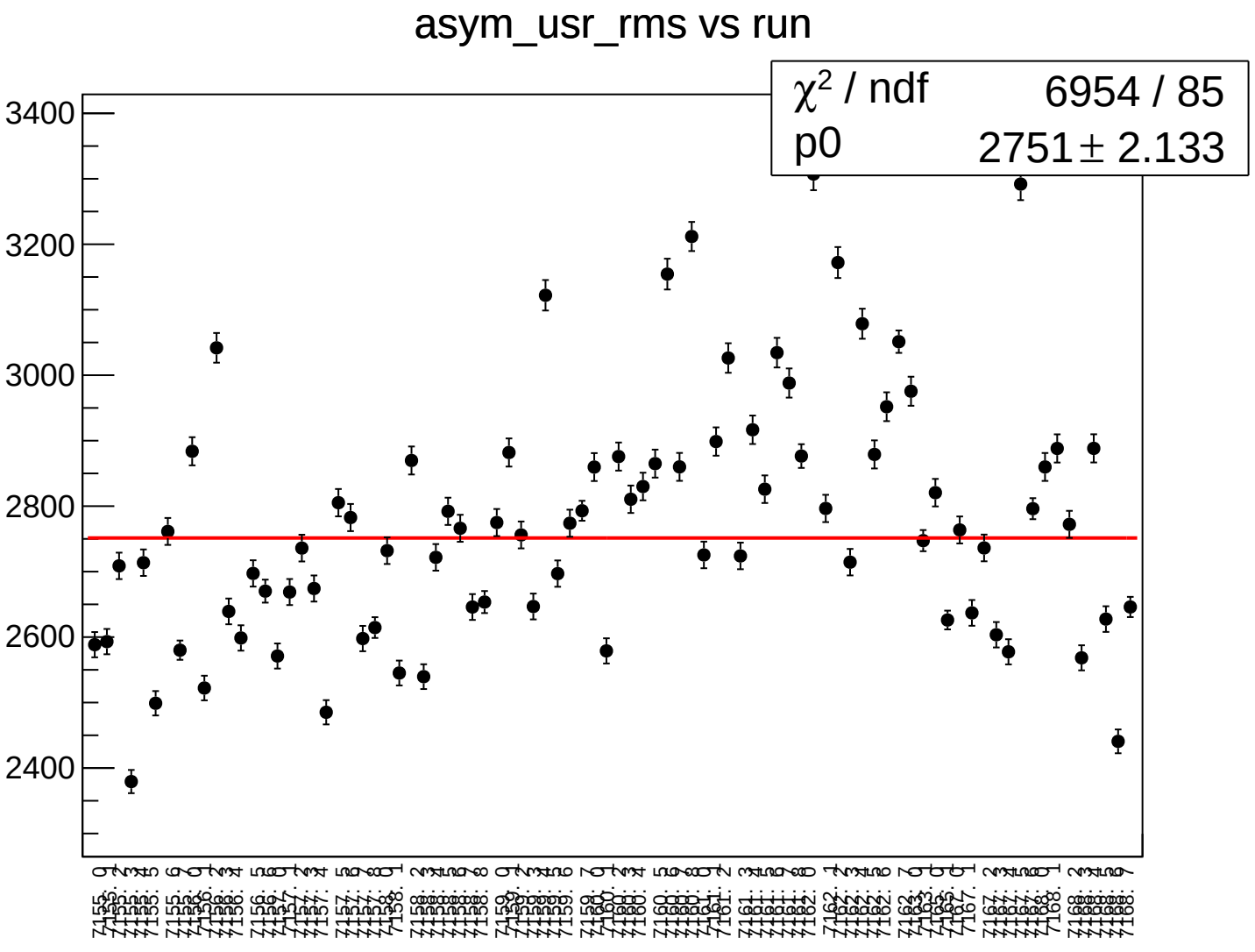

asym_usr_correction_mean vs run
×10^3
χ² / ndf 72.52 / 85
p0 −822.3 ± 2699
100
50
0
−50
−100
pull
Entries 86
Mean 25.44
Std Dev 44.55
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

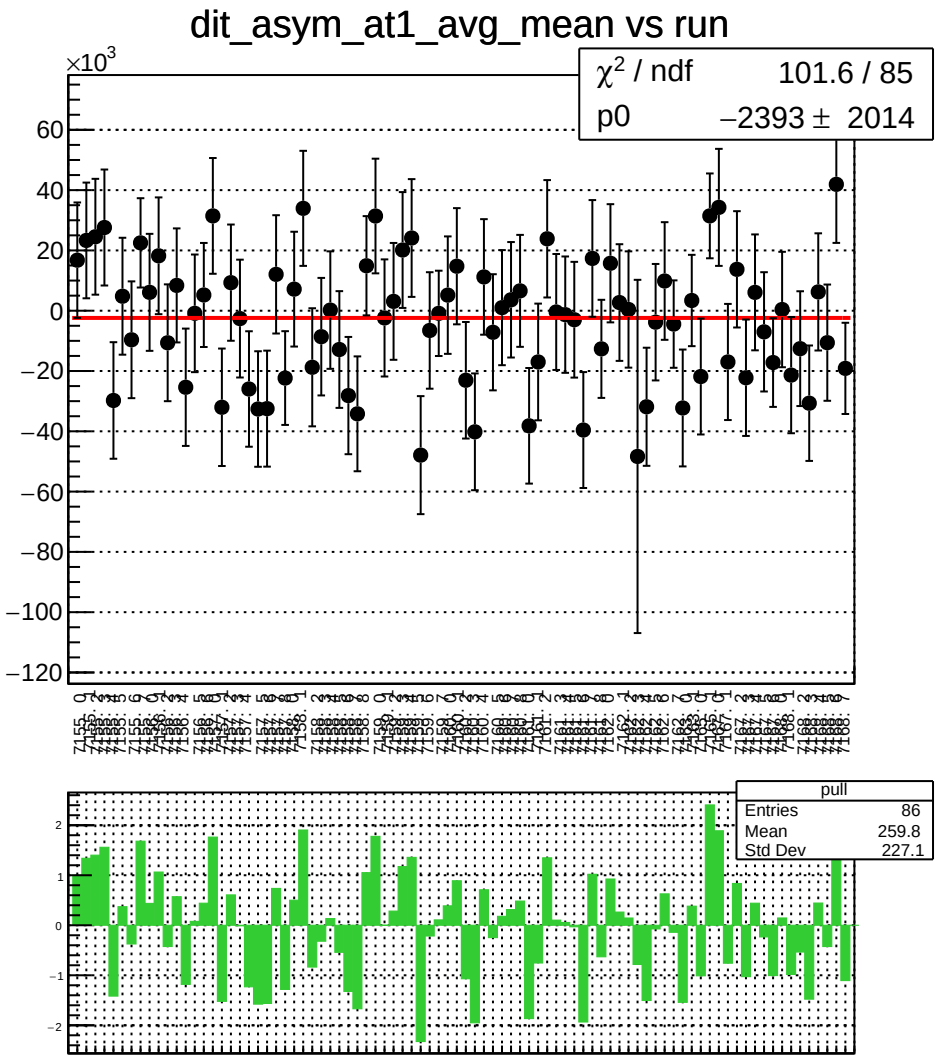

pull1D
Entries 86
Mean 0.006291
Std Dev 0.9183
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

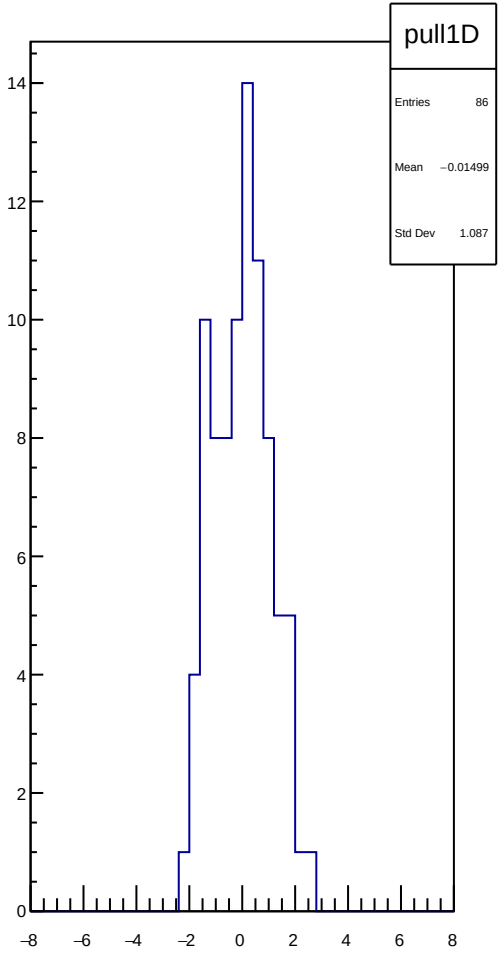

asym_usr_correction_rms vs run
χ² / ndf 8614 / 85
p0 2461 ± 1.908
3000
2800
2600
2400
2200
2000

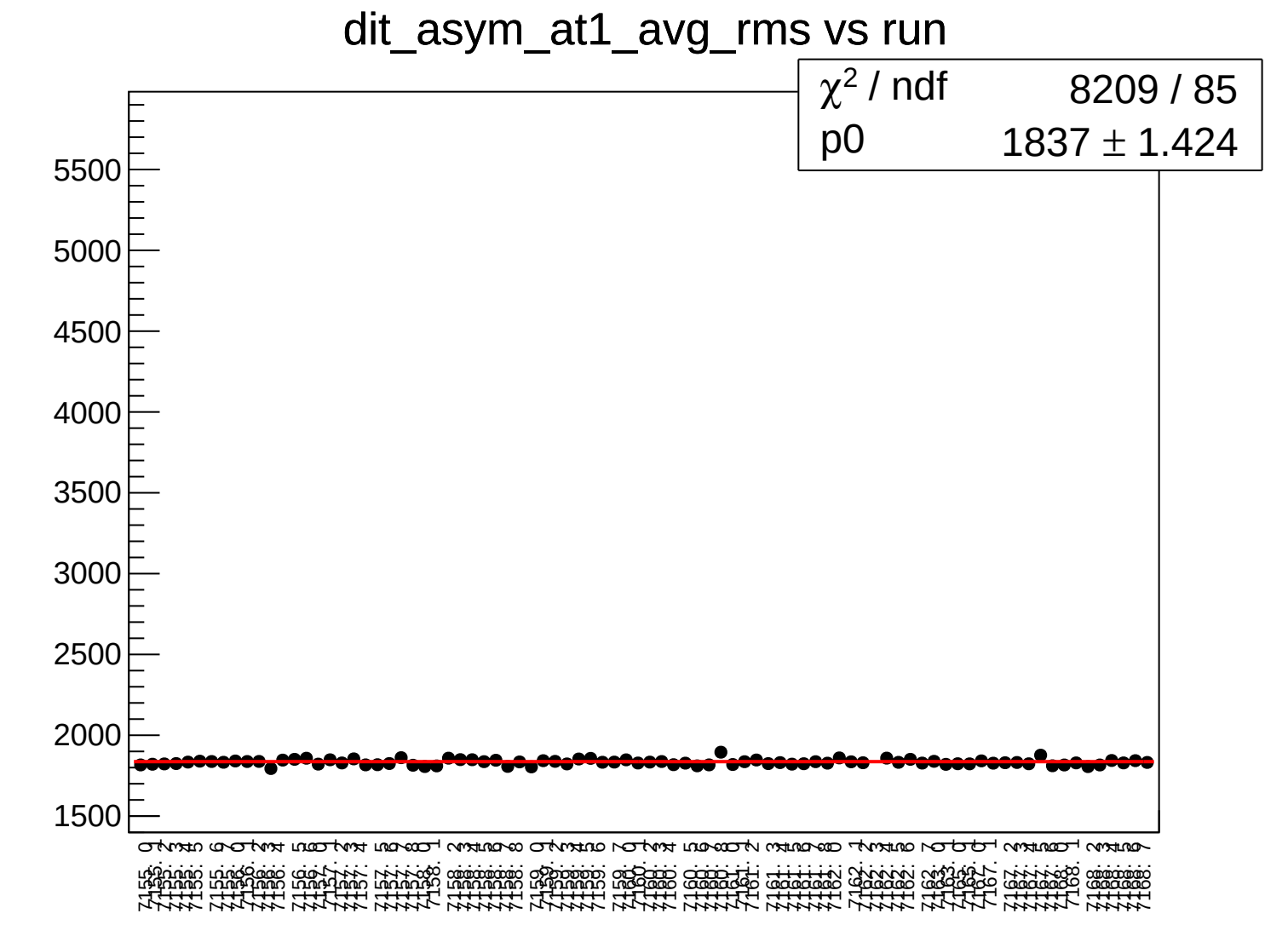

asym_usr_mean vs run
×10^3
χ² / ndf 72.26 / 85
p0 −1276 ± 3016
100
50
0
−50
−100
pull
Entries 86
Mean 206.4
Std Dev 166.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

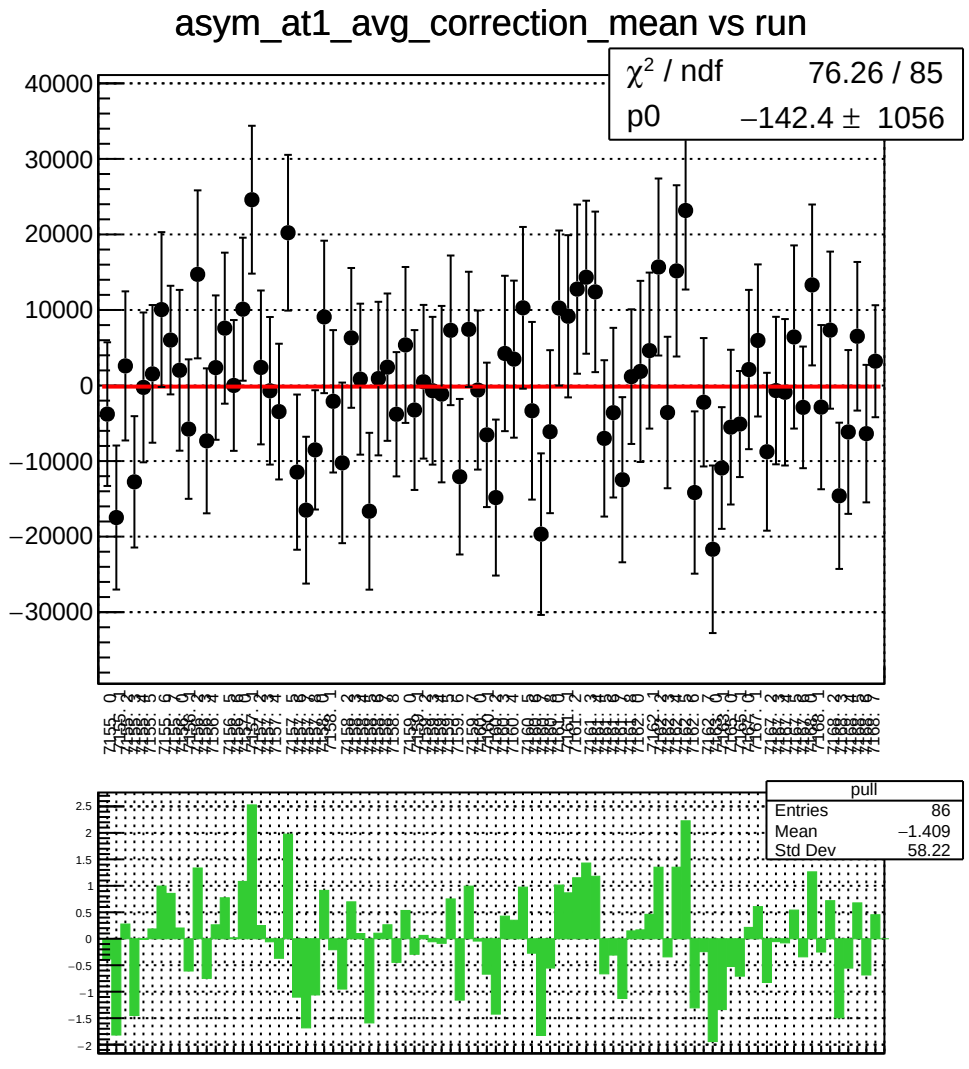

pull1D
Entries 86
Mean −0.01015
Std Dev 0.9166
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

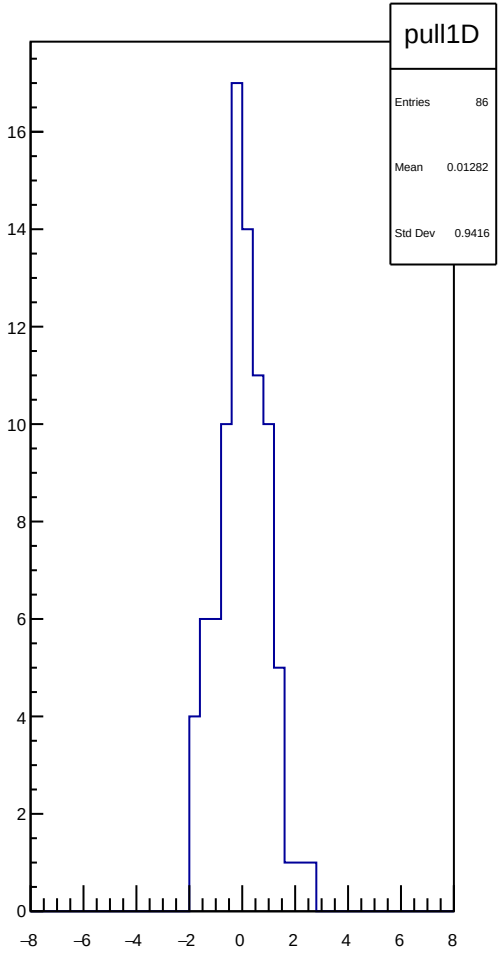

asym_usr_rms vs run
χ² / ndf 6954 / 85
p0 2751 ± 2.133
3400
3200
3000
2800
2600
2400

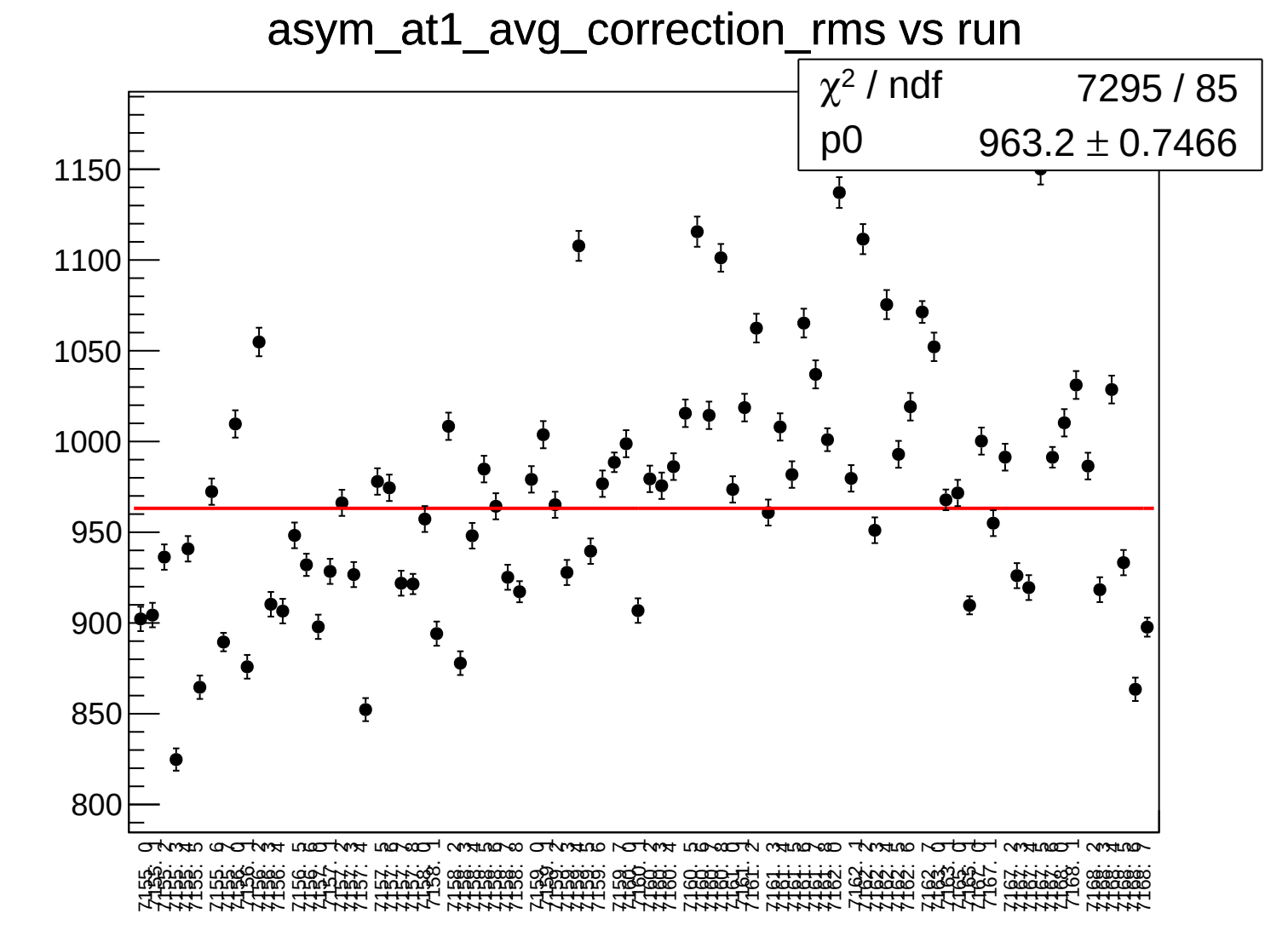

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 101.6 / 85
p0 −2393 ± 2014
pull
Entries 86
Mean 259.8
Std Dev 227.1

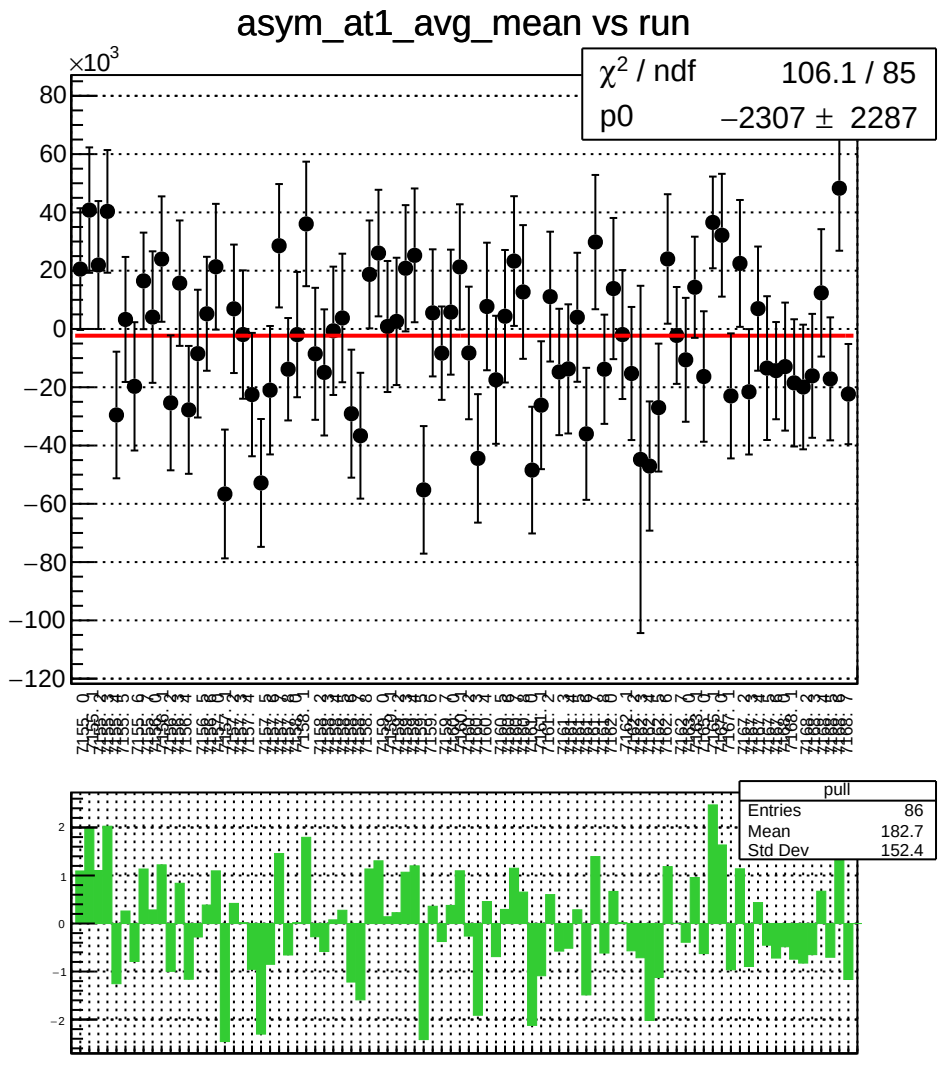

pull1D
Entries 86
Mean −0.01499
Std Dev 1.087

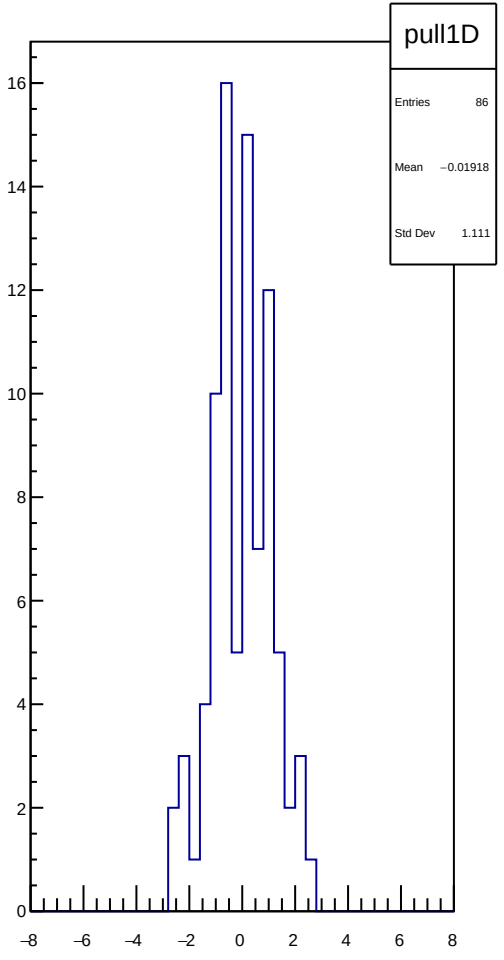

dit_asym_at1_avg_rms vs run
χ^2 / ndf 8209 / 85
p0 1837 ± 1.424
5500
5000
4500
4000
3500
3000
2500
2000
1500

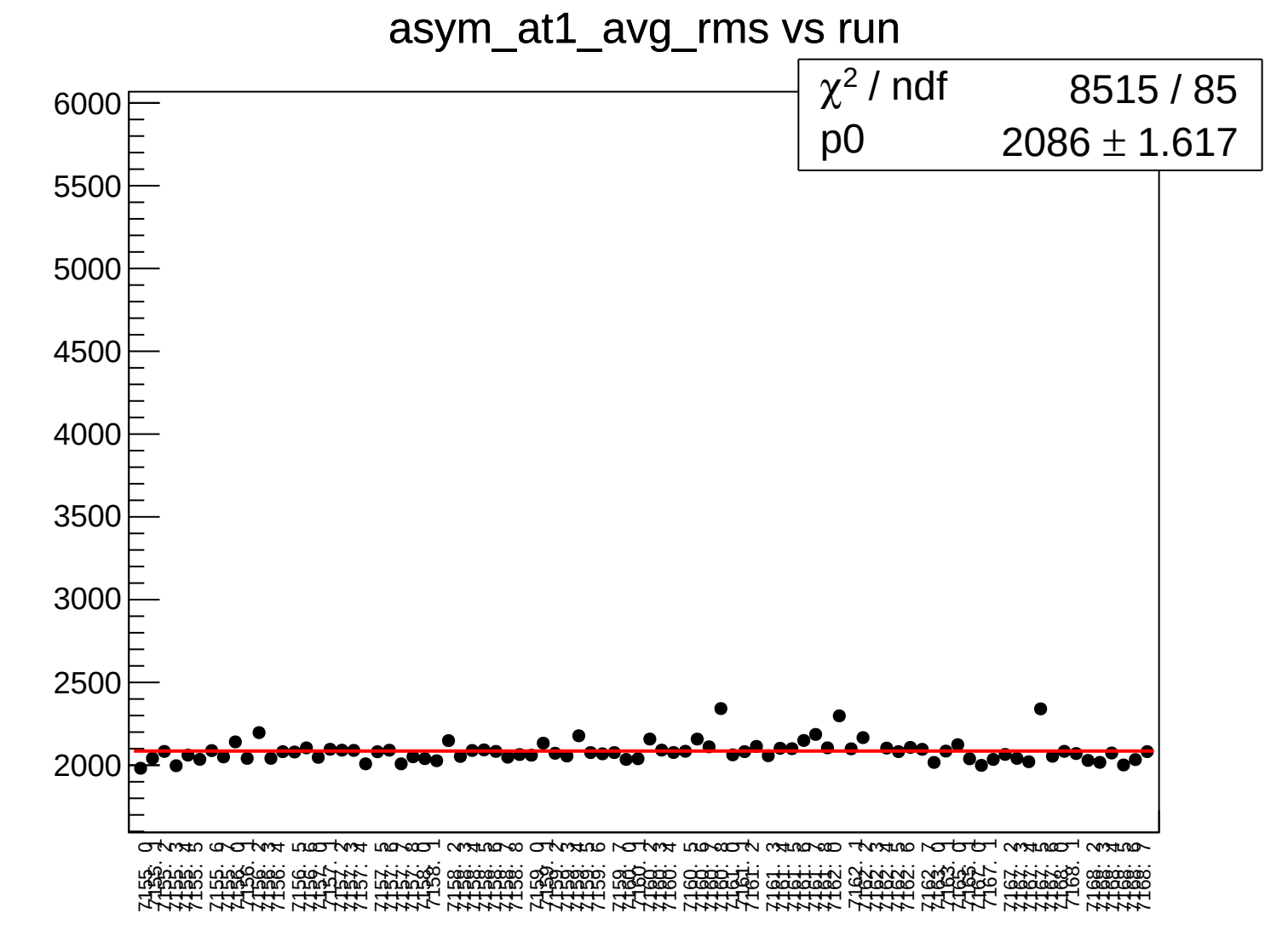

asym_at1_avg_correction_mean vs run
χ² / ndf 76.26 / 85
p0 −142.4 ± 1056
pull
Entries 86
Mean −1.409
Std Dev 58.22

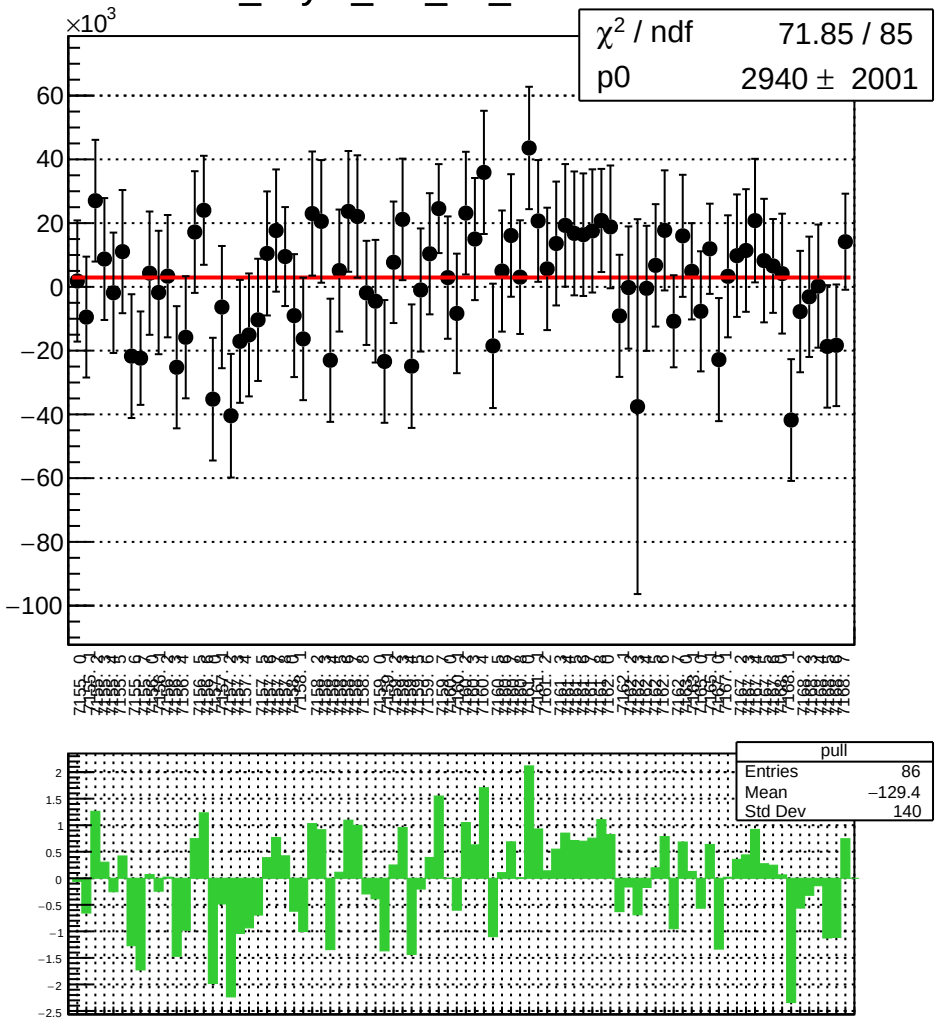

pull1D
Entries 86
Mean 0.01282
Std Dev 0.9416

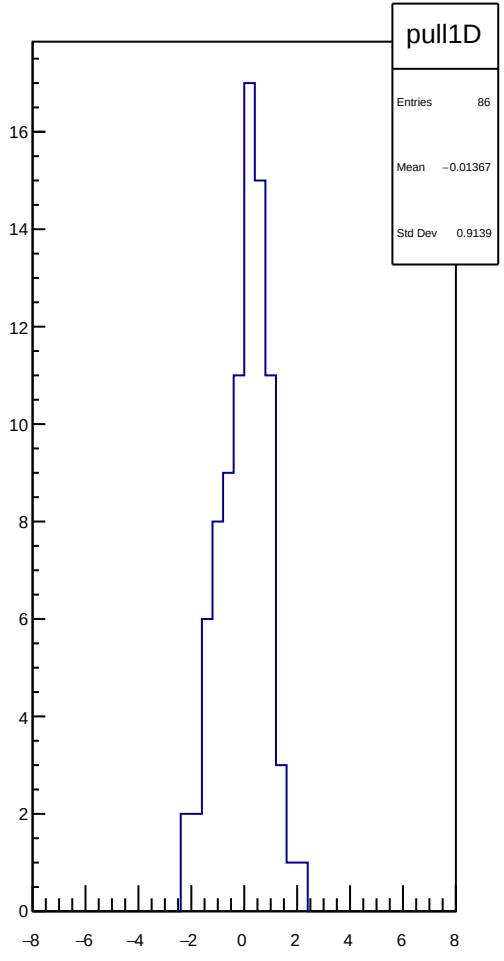

asym_at1_avg_correction_rms vs run
χ² / ndf 7295 / 85
p0 963.2 ± 0.7466
1150
1100
1050
1000
950
900
850
800

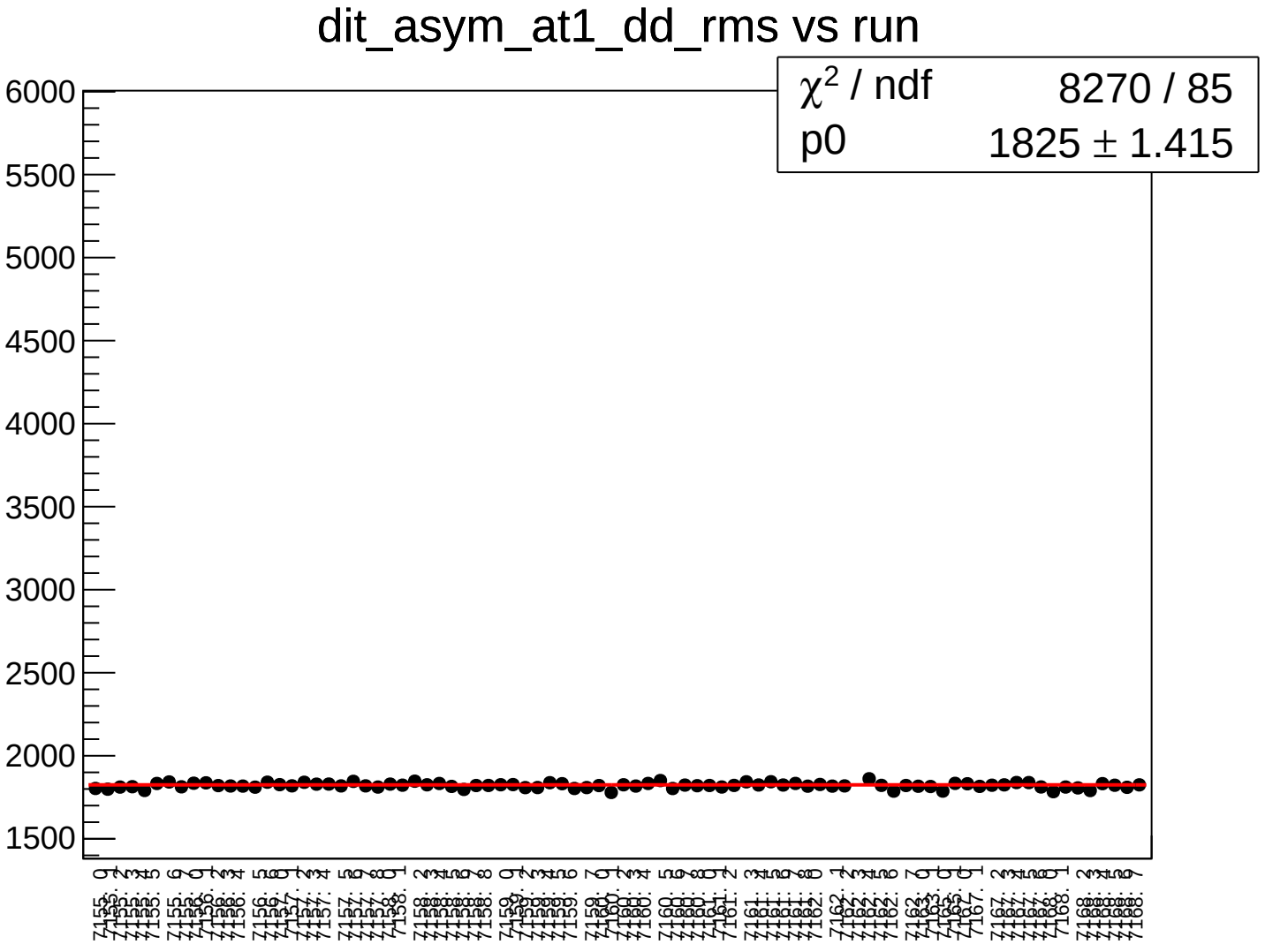

asym_at1_avg_mean vs run
×10^3
χ² / ndf 106.1 / 85
p0 −2307 ± 2287
pull
Entries 86
Mean 182.7
Std Dev 152.4

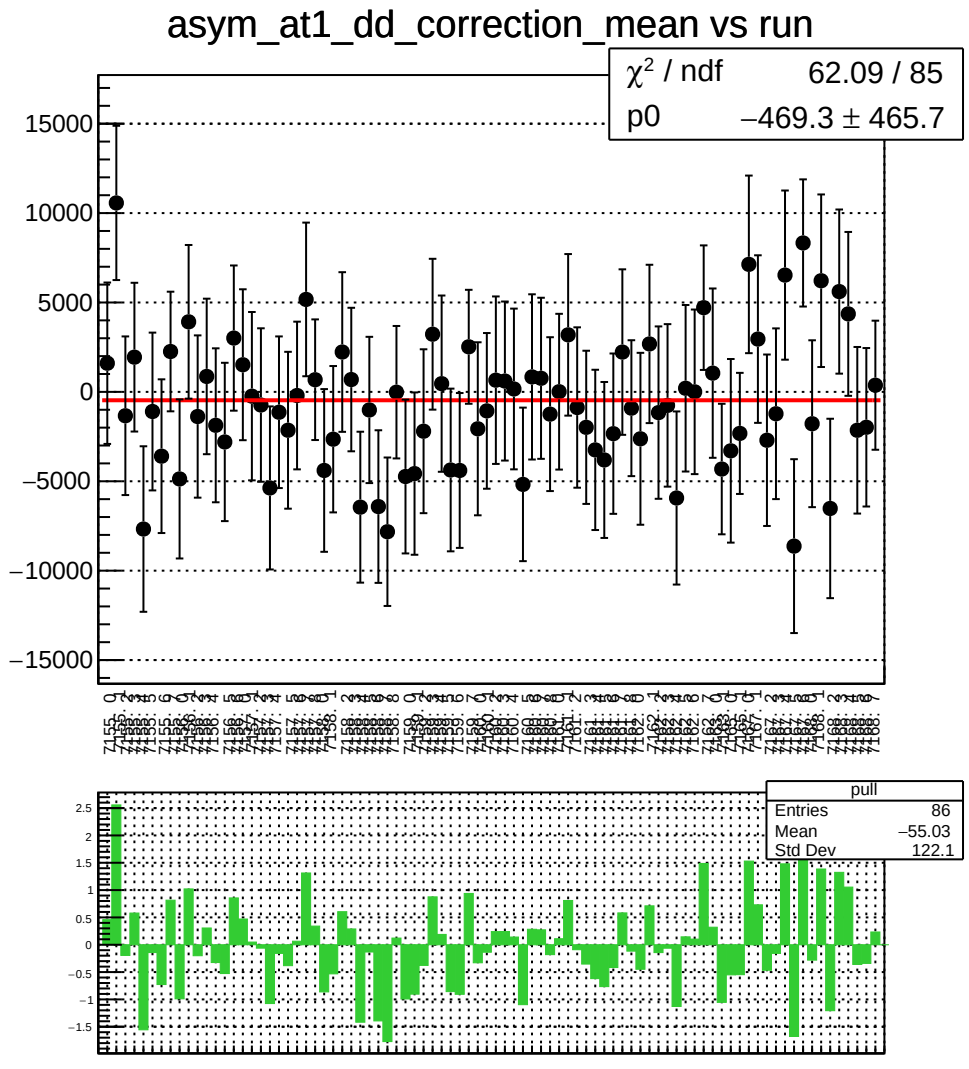

pull1D
Entries 86
Mean −0.01918
Std Dev 1.111

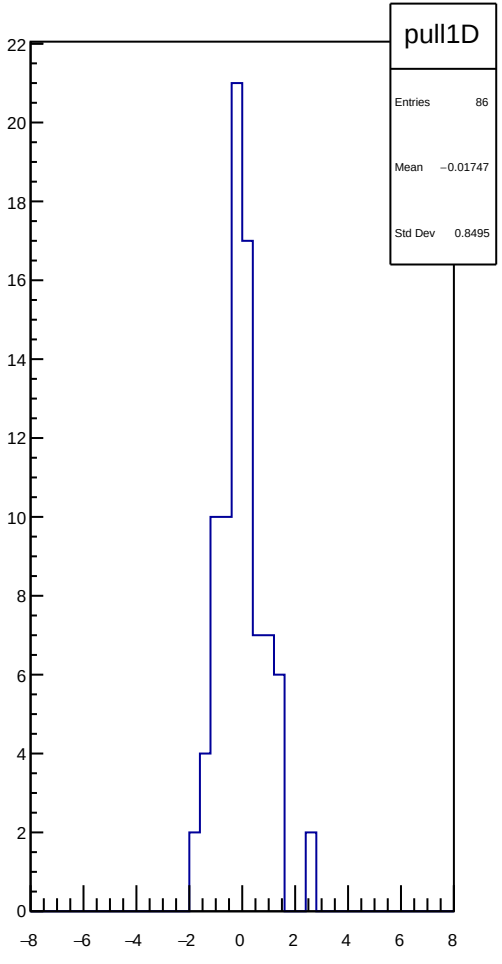

asym_at1_avg_rms vs run
χ^2 / ndf 8515 / 85
p0 2086 ± 1.617
6000
5500
5000
4500
4000
3500
3000
2500
2000

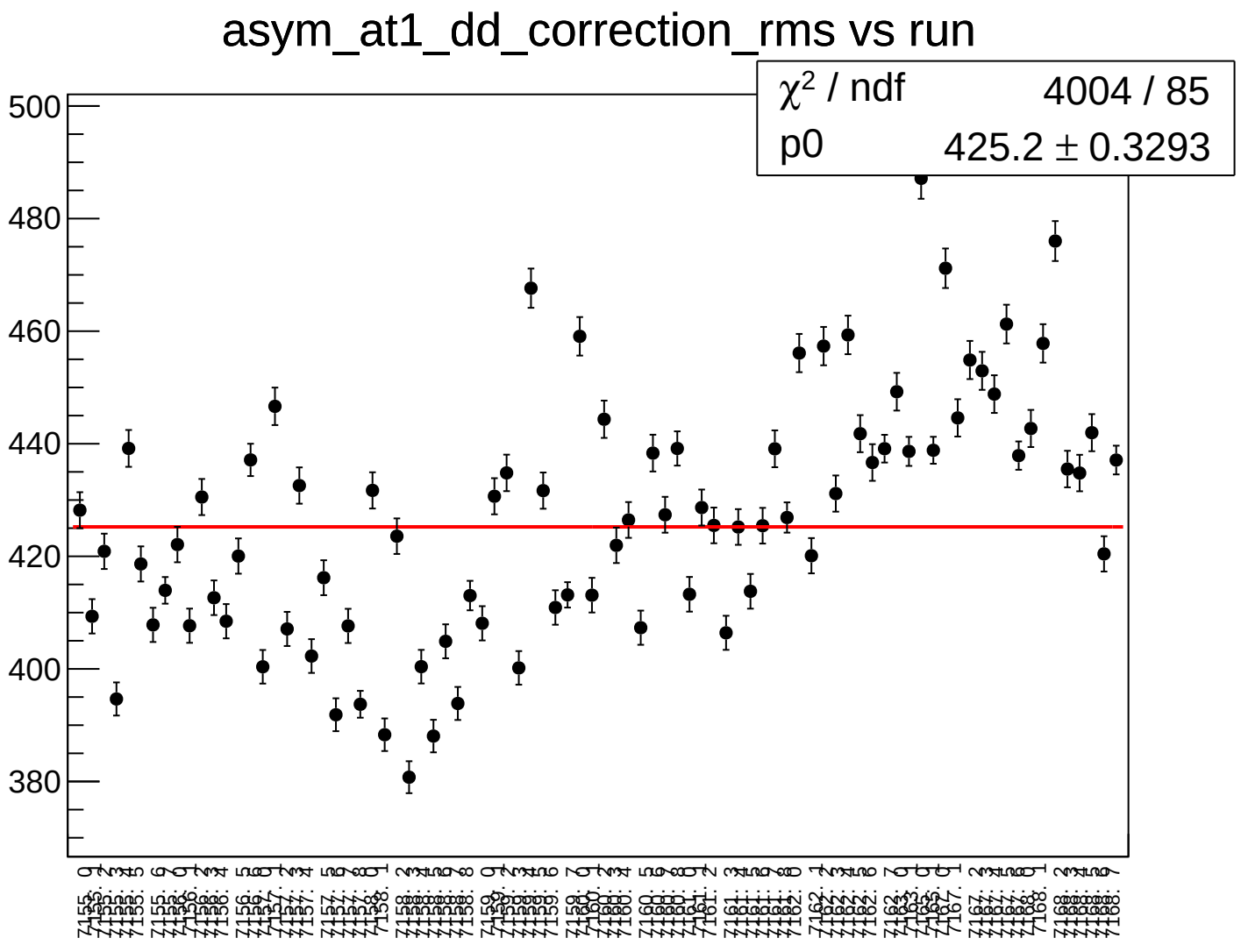

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 71.85 / 85
p0 2940 ± 2001
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 86
Mean −129.4
Std Dev 140
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

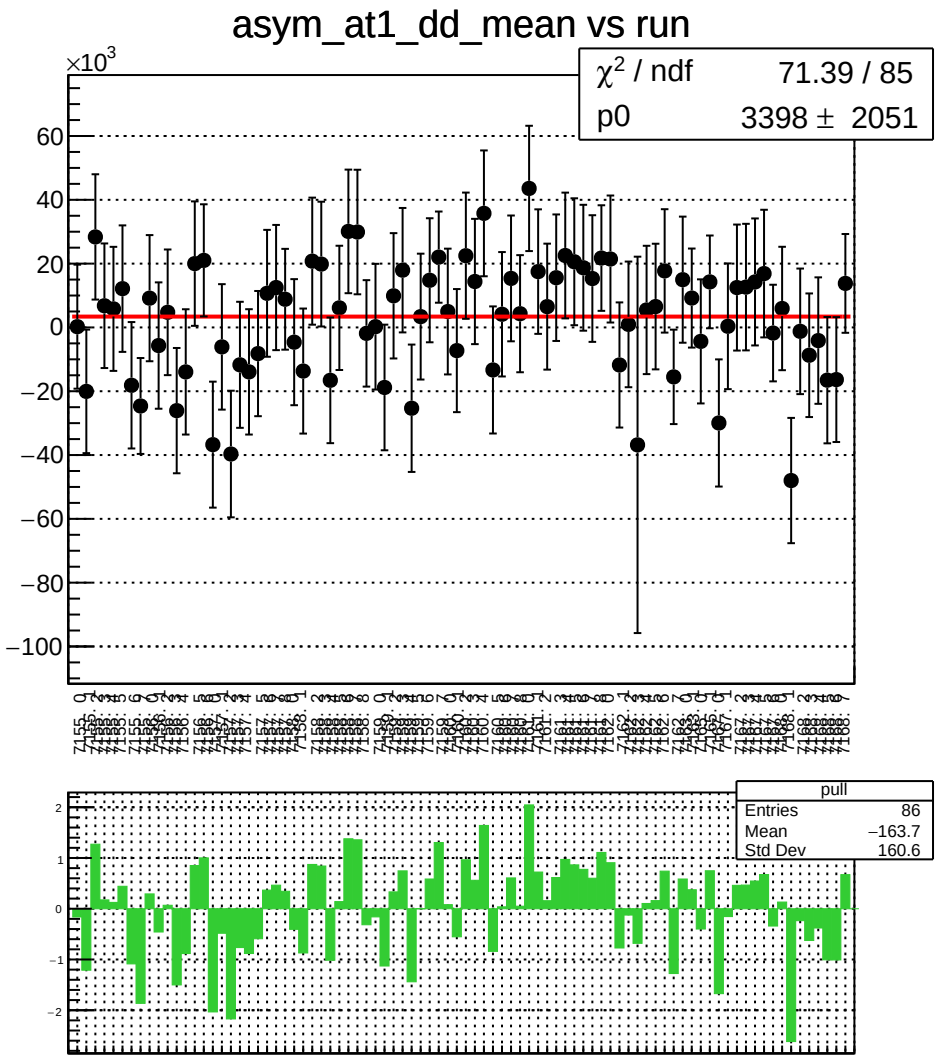

pull1D
Entries 86
Mean −0.01367
Std Dev 0.9139
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

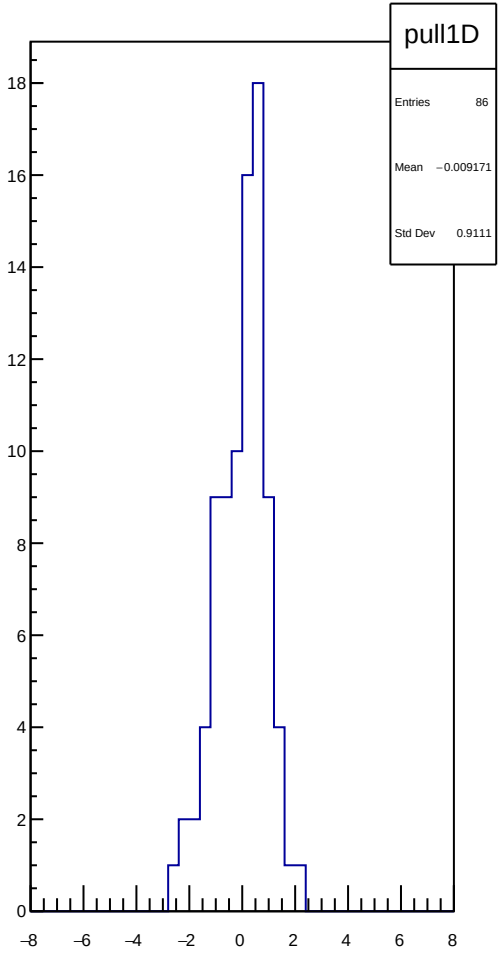

dit_asym_at1_dd_rms vs run
χ² / ndf 8270 / 85
p0 1825 ± 1.415
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

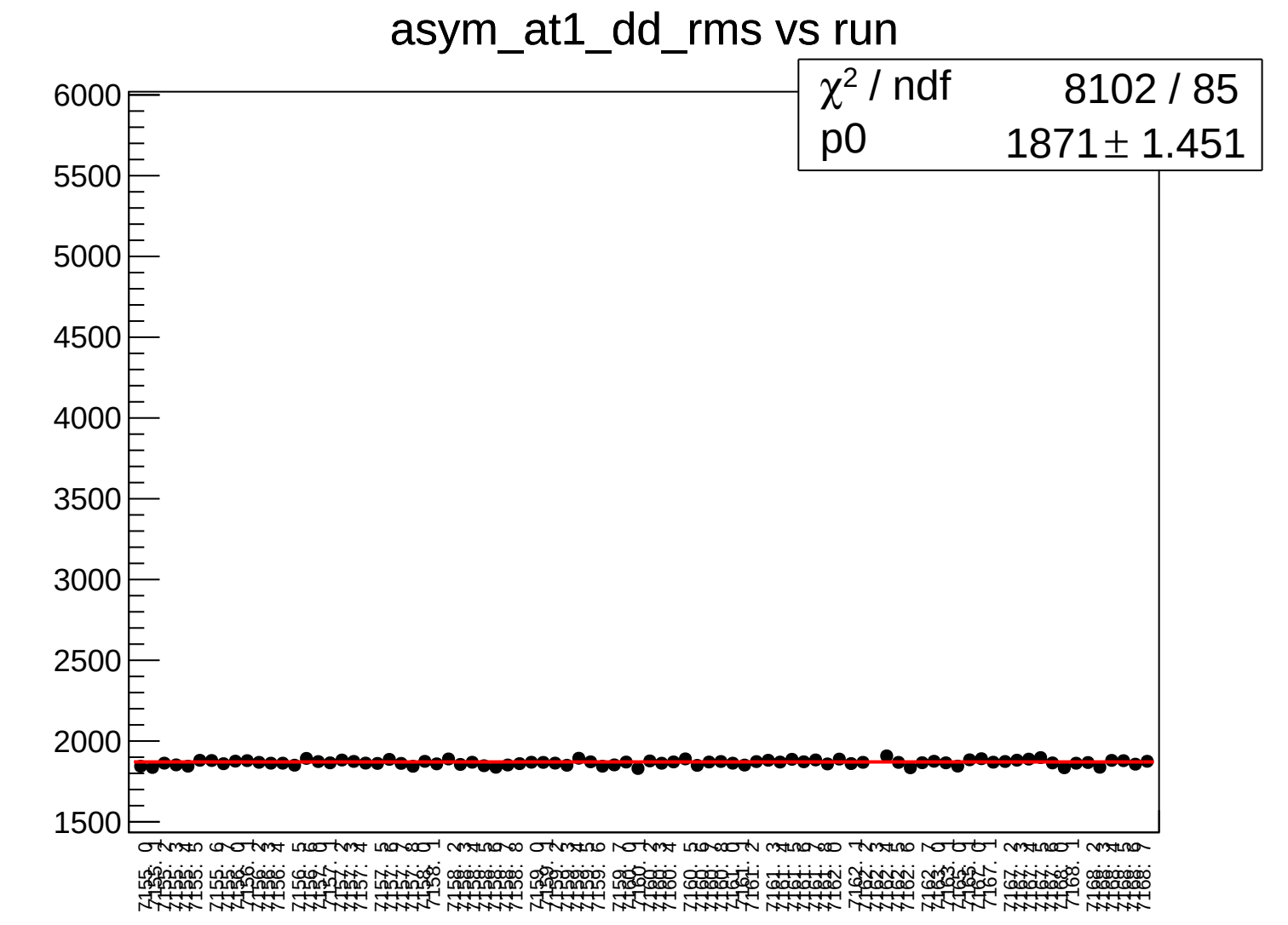

asym_at1_dd_correction_mean vs run
χ² / ndf 62.09 / 85
p0 −469.3 ± 465.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −55.03
Std Dev 122.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

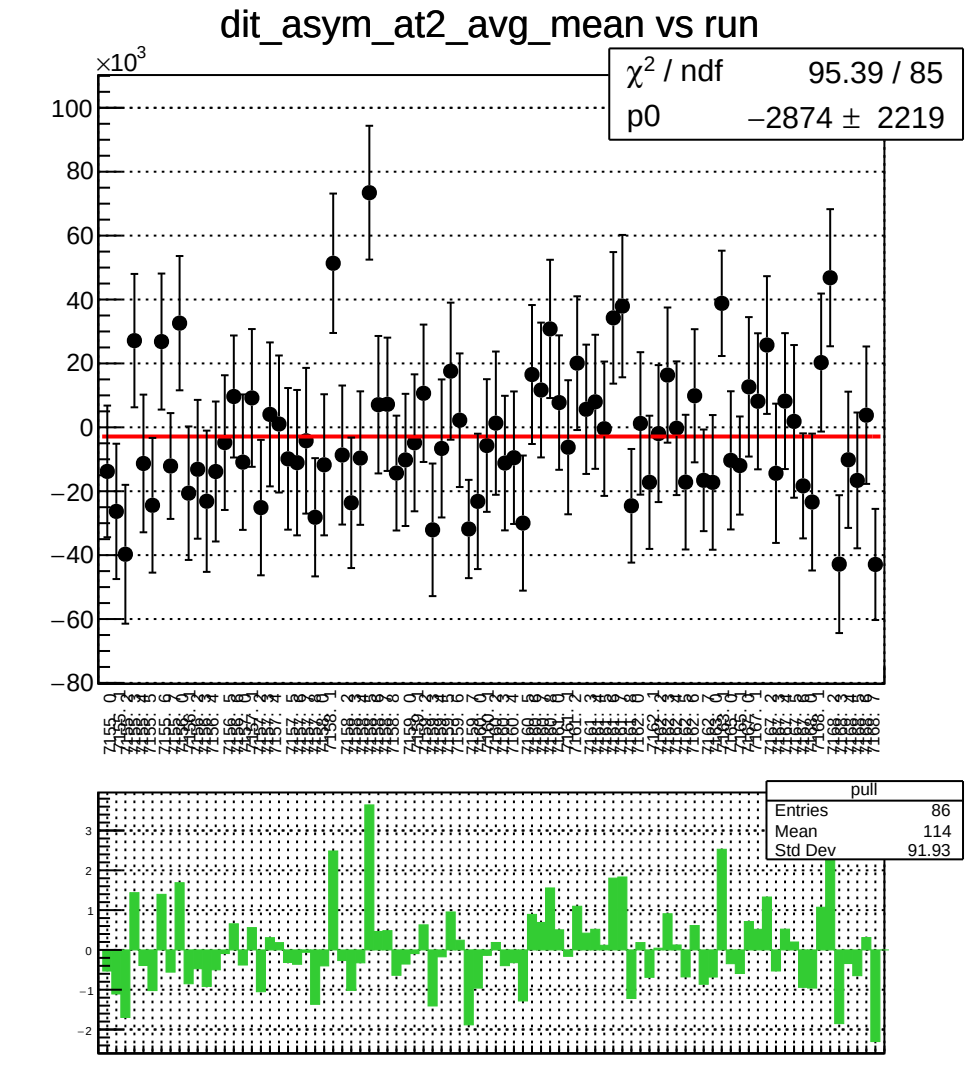

pull1D
Entries 86
Mean −0.01747
Std Dev 0.8495
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

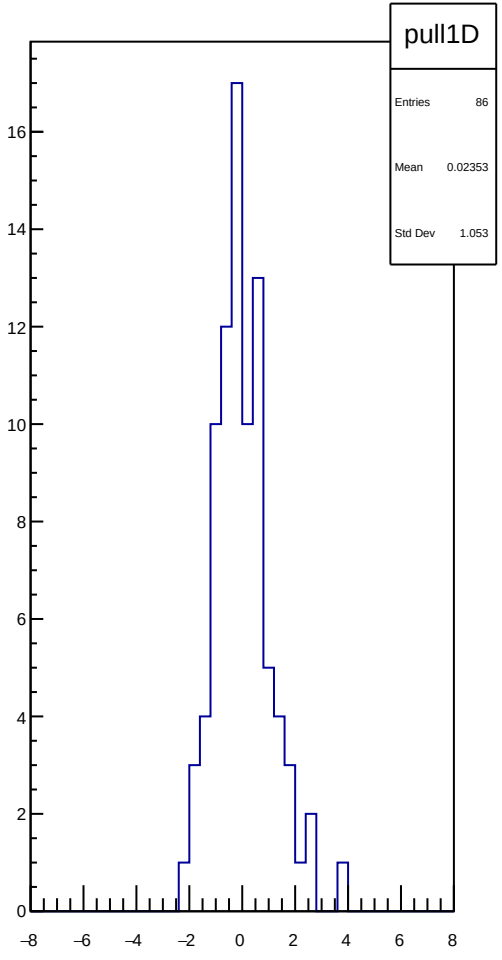

asym_at1_dd_correction_rms vs run
χ² / ndf 4004 / 85
p0 425.2 ± 0.3293
500
480
460
440
420
400
380

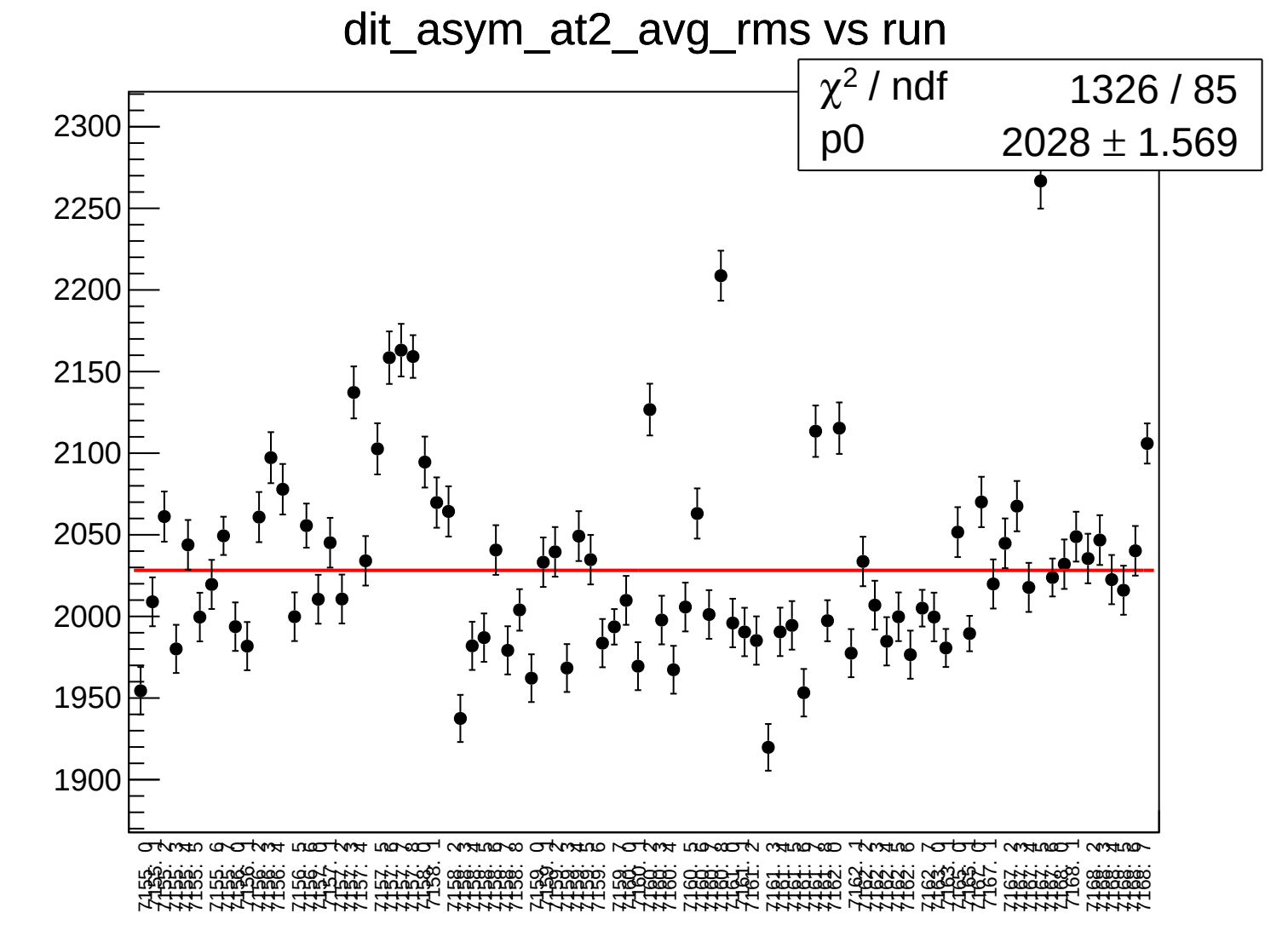

asym_at1_dd_mean vs run
×10^3
χ² / ndf 71.39 / 85
p0 3398 ± 2051
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 86
Mean −163.7
Std Dev 160.6
2
1
0
−1
−2

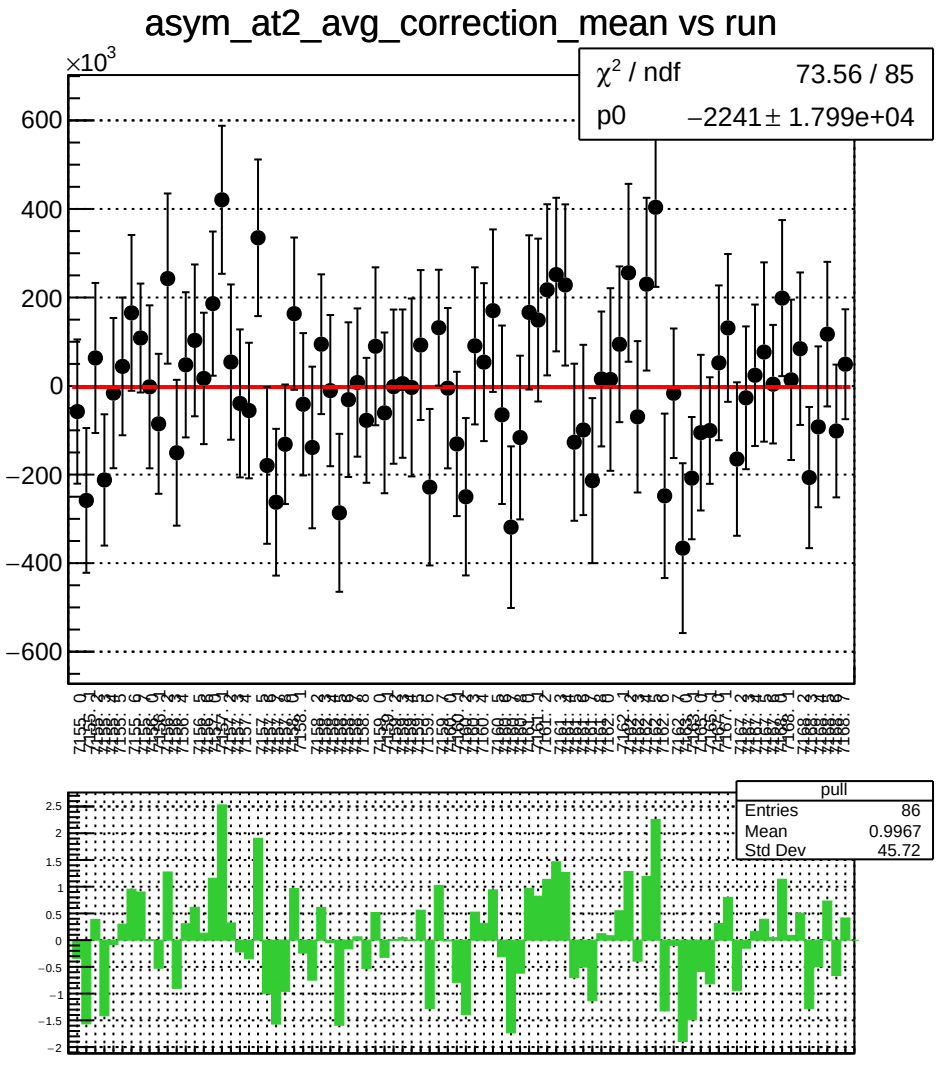

pull1D
Entries 86
Mean −0.009171
Std Dev 0.9111
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

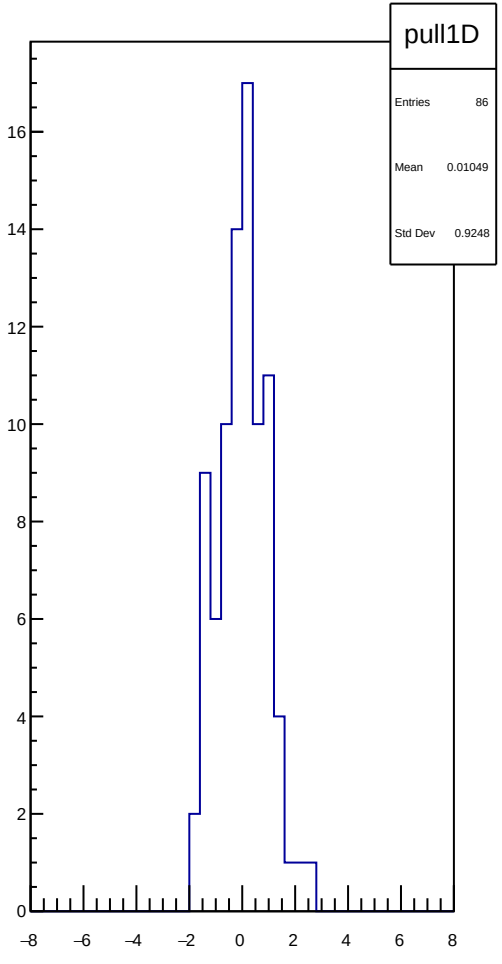

asym_at1_dd_rms vs run
χ^2 / ndf 8102 / 85
p0 1871 ± 1.451
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

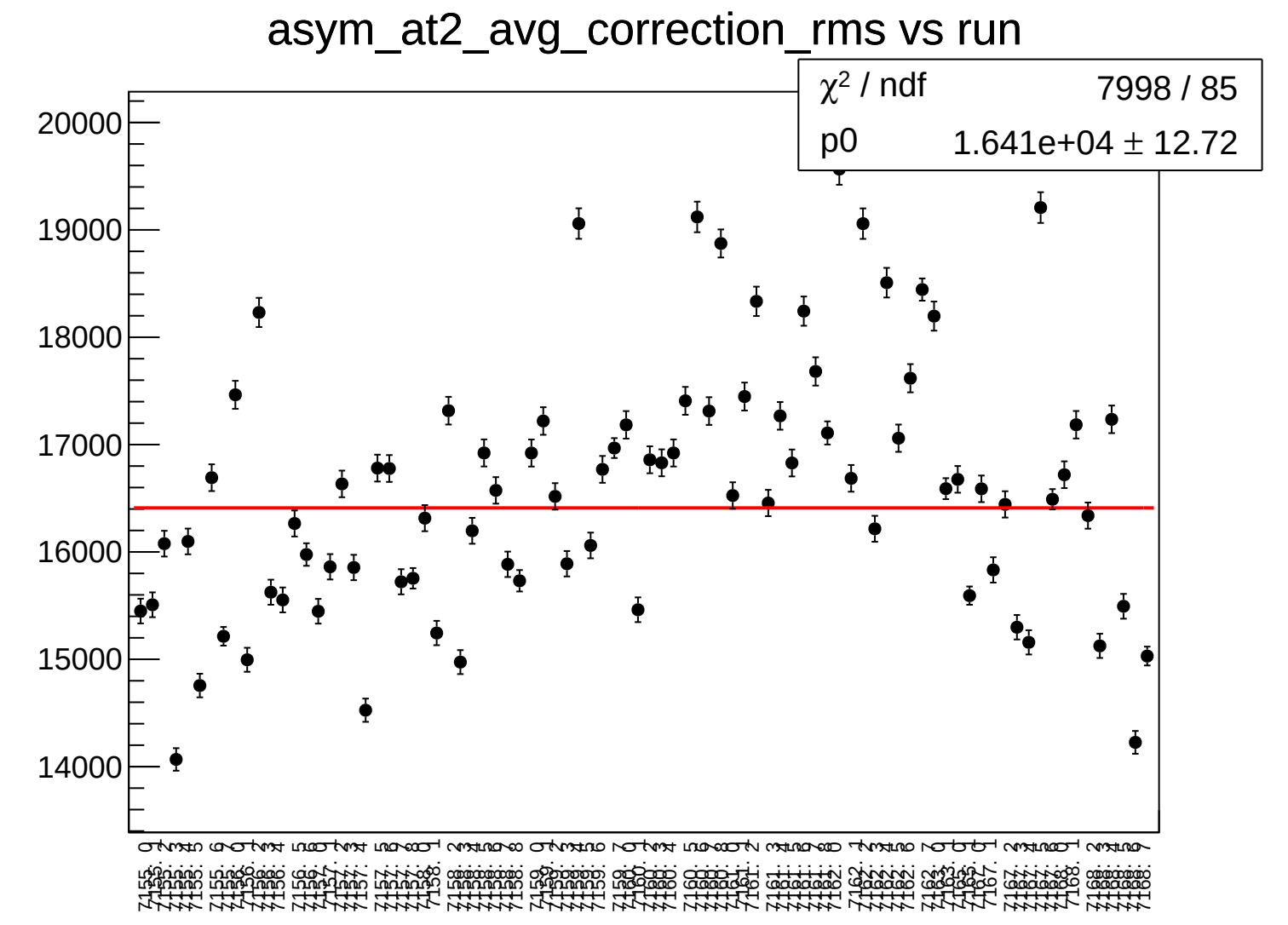

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 95.39 / 85
p0 −2874 ± 2219
pull
Entries 86
Mean 114
Std Dev 91.93

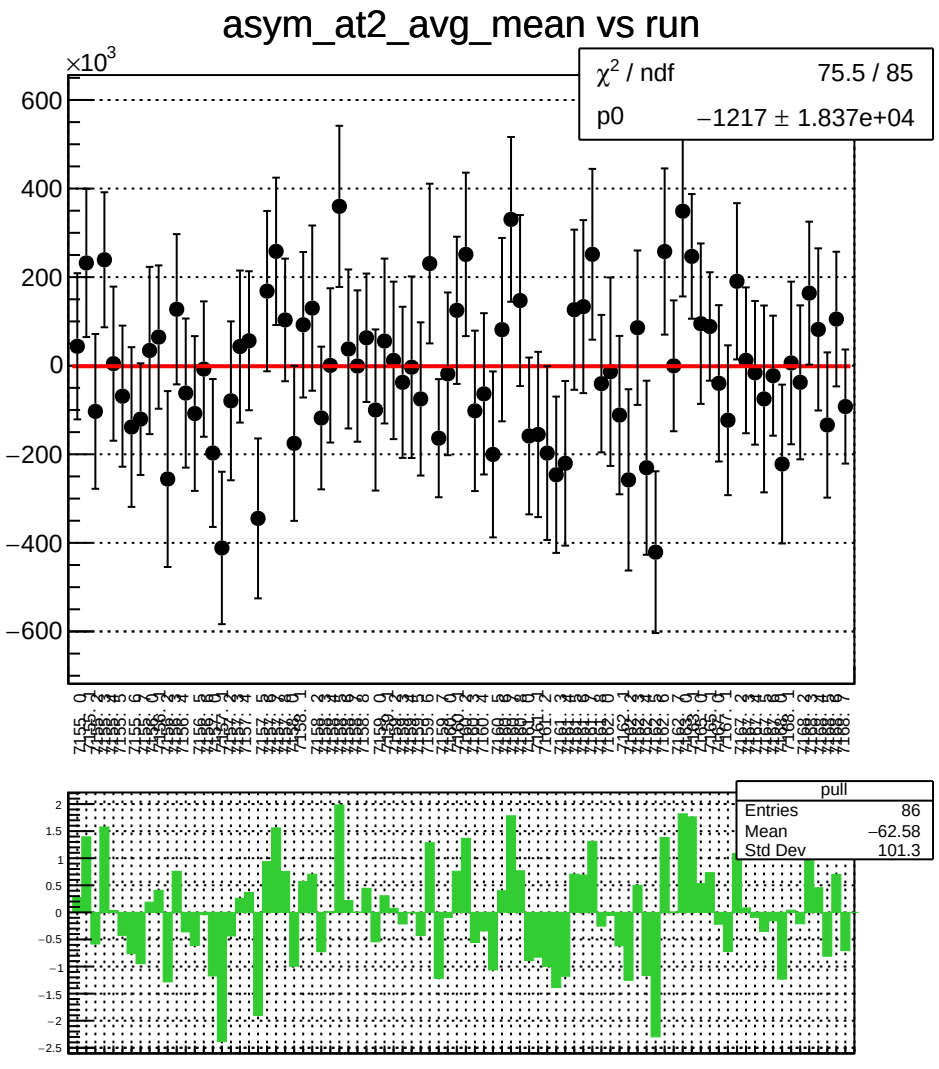

pull1D
Entries 86
Mean 0.02353
Std Dev 1.053

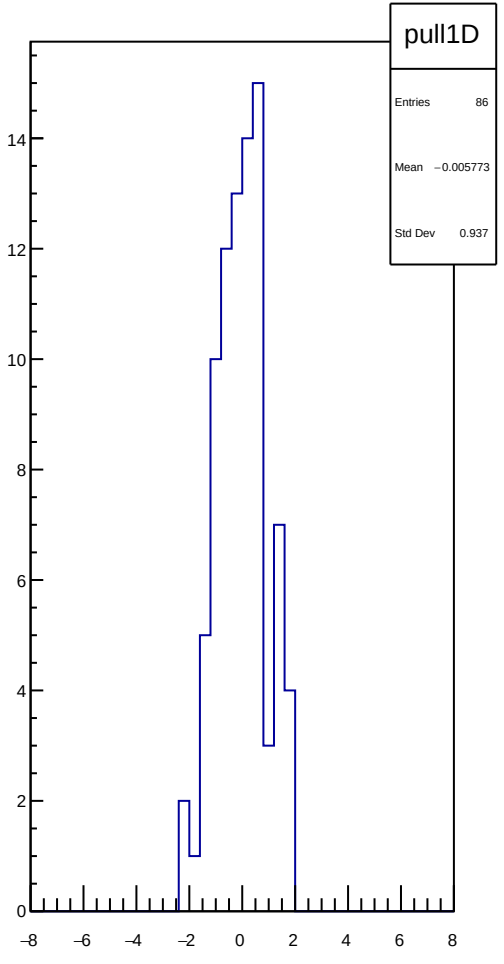

dit_asym_at2_avg_rms vs run
χ² / ndf 1326 / 85
p0 2028 ± 1.569
2300
2250
2200
2150
2100
2050
2000
1950
1900

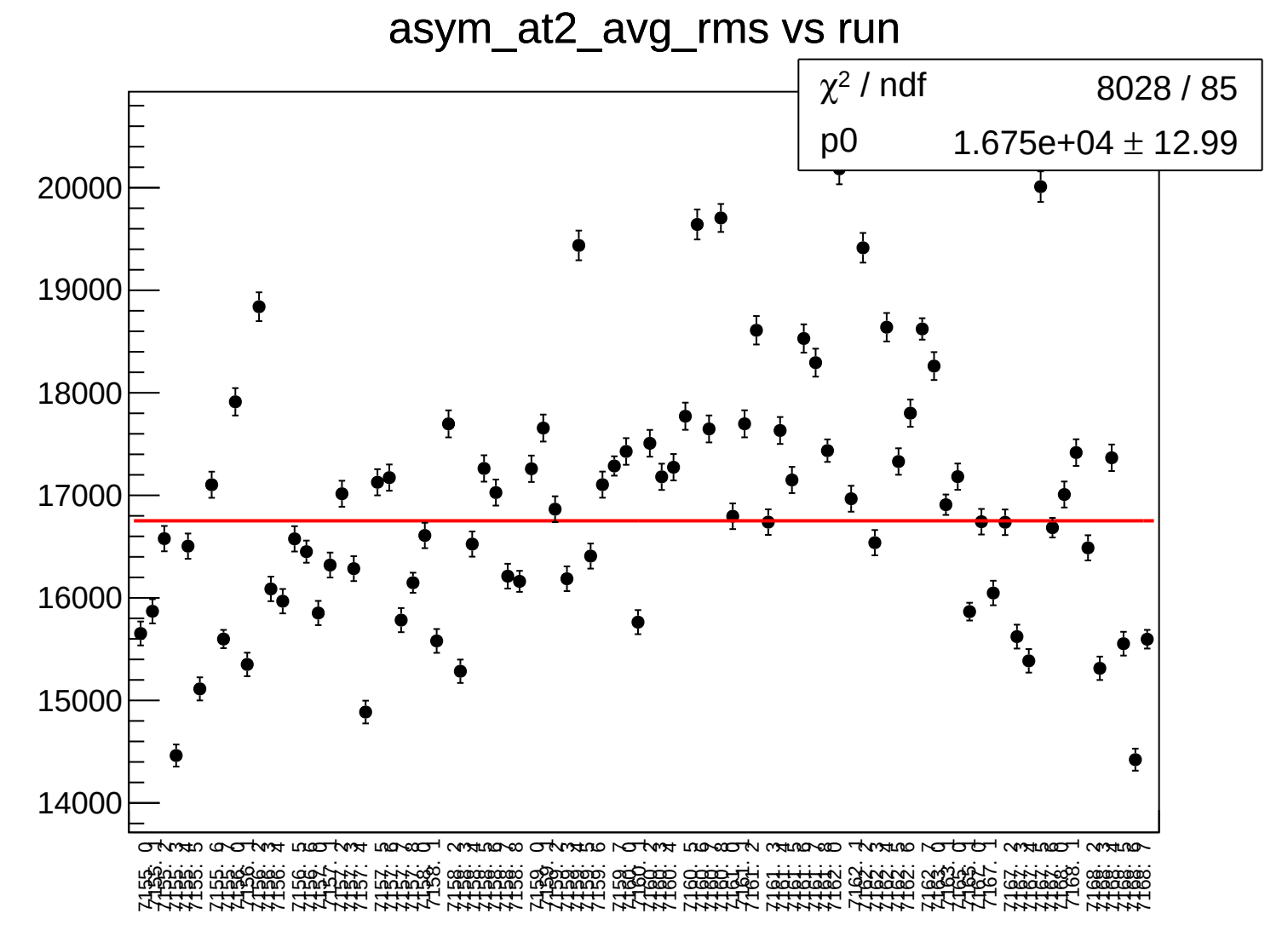

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 73.56 / 85
p0 −2241 ± 1.799e+04
pull
Entries 86
Mean 0.9967
Std Dev 45.72

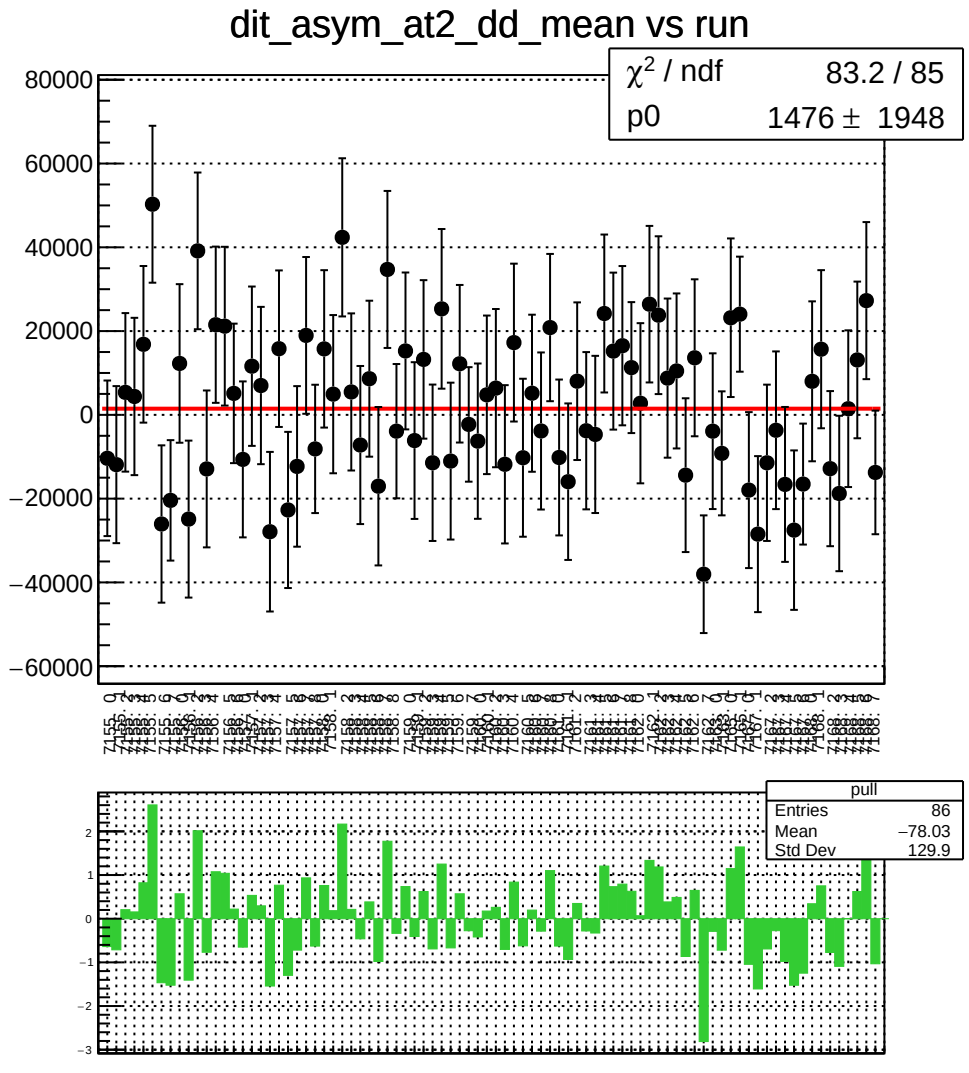

pull1D
Entries 86
Mean 0.01049
Std Dev 0.9248

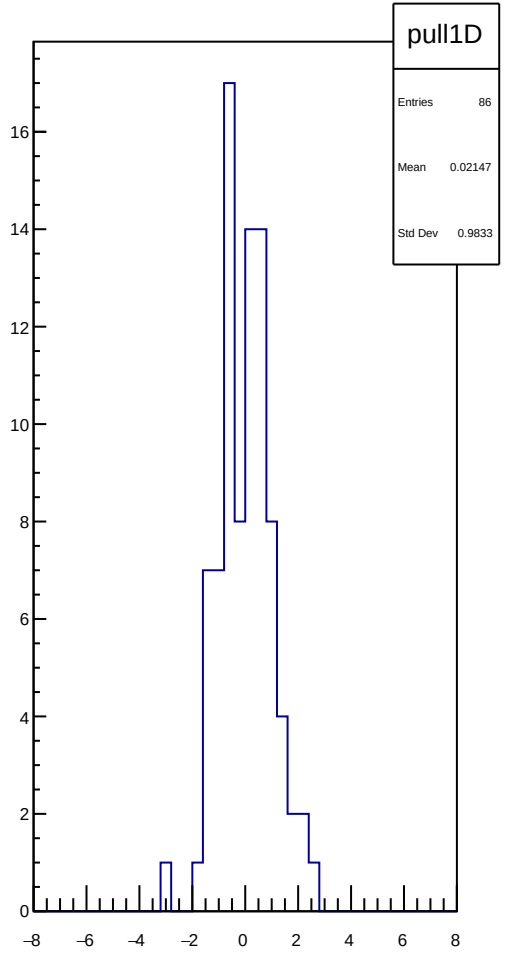

asym_at2_avg_correction_rms vs run
χ² / ndf 7998 / 85
p0 1.641e+04 ± 12.72
20000
19000
18000
17000
16000
15000
14000

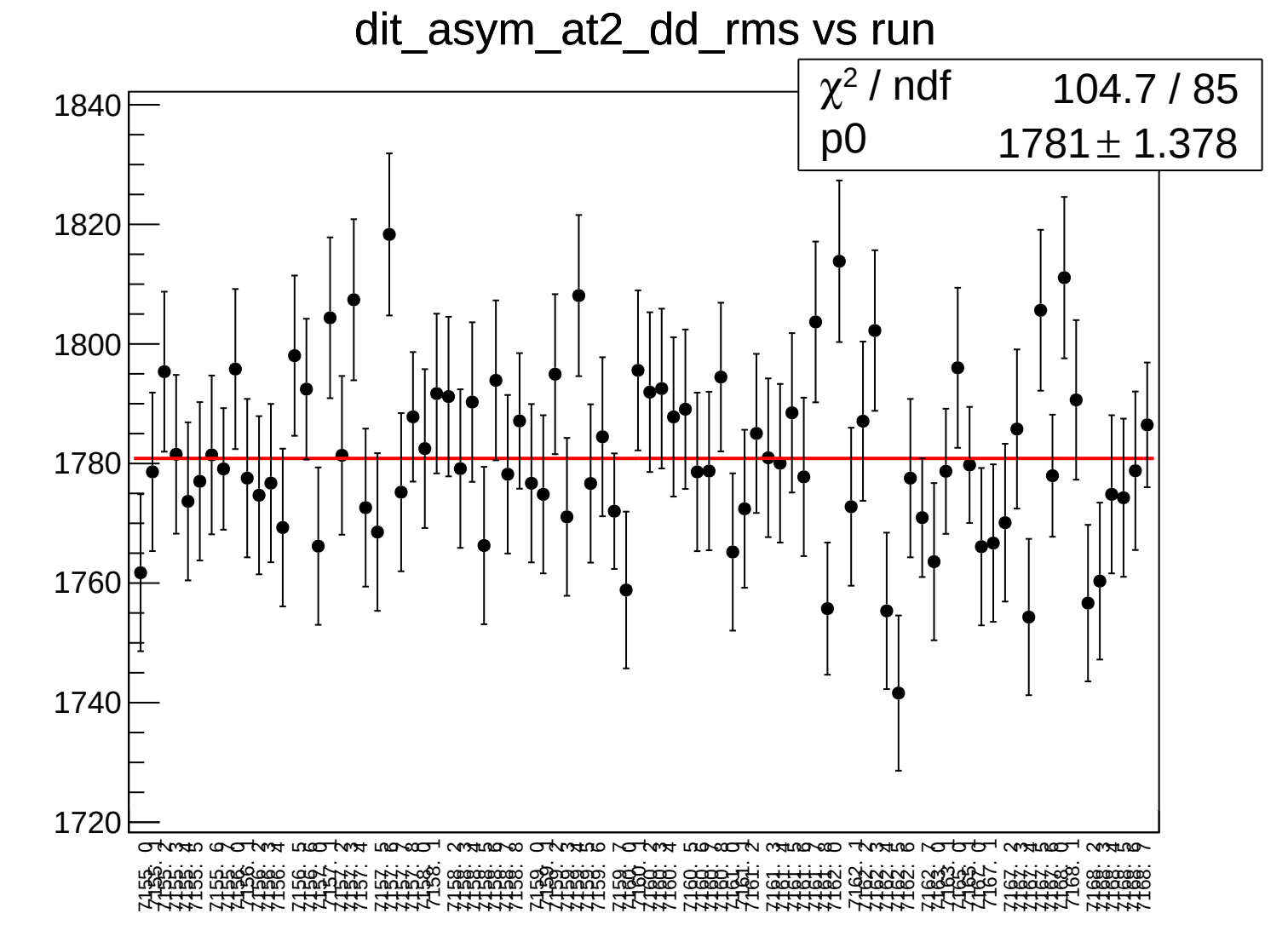

asym_at2_avg_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 75.5 / 85
p0 −1217 ± 1.837e+04
pull
Entries 86
Mean −62.58
Std Dev 101.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

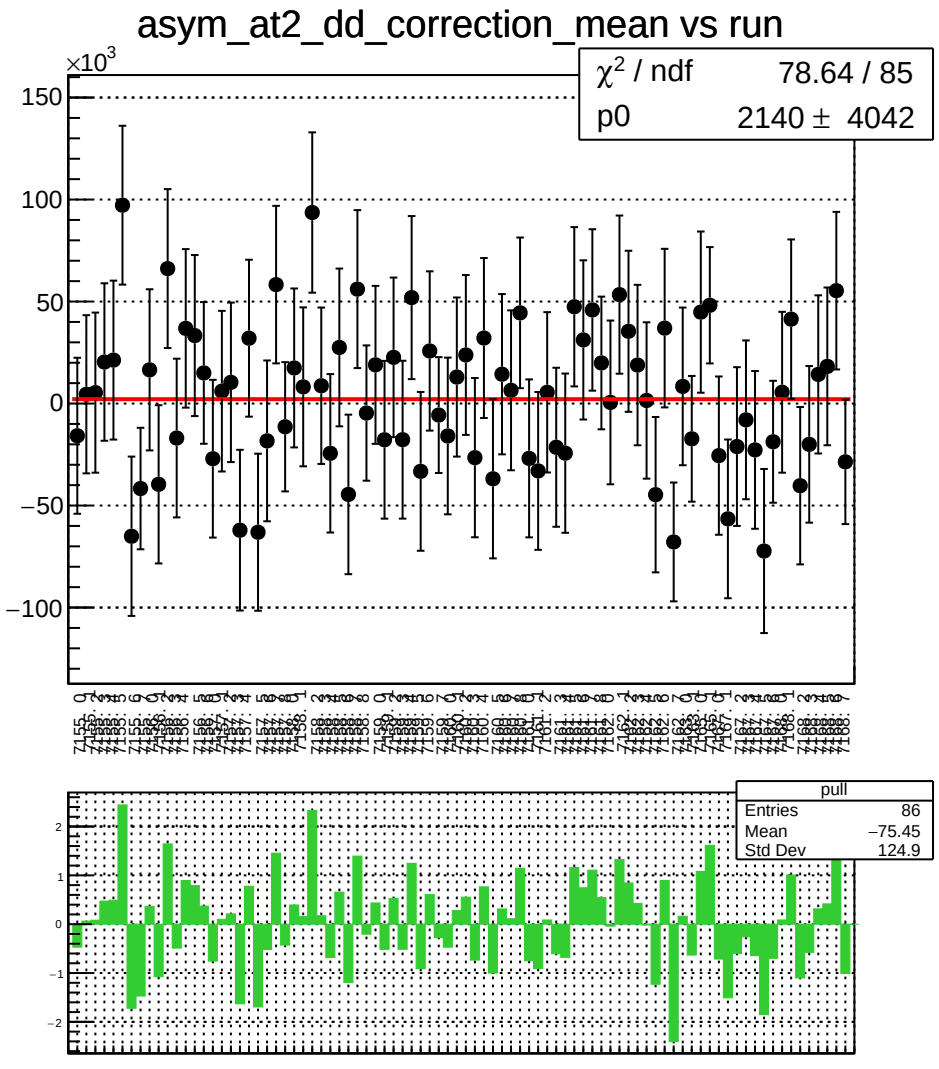

pull1D
Entries 86
Mean −0.005773
Std Dev 0.937
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

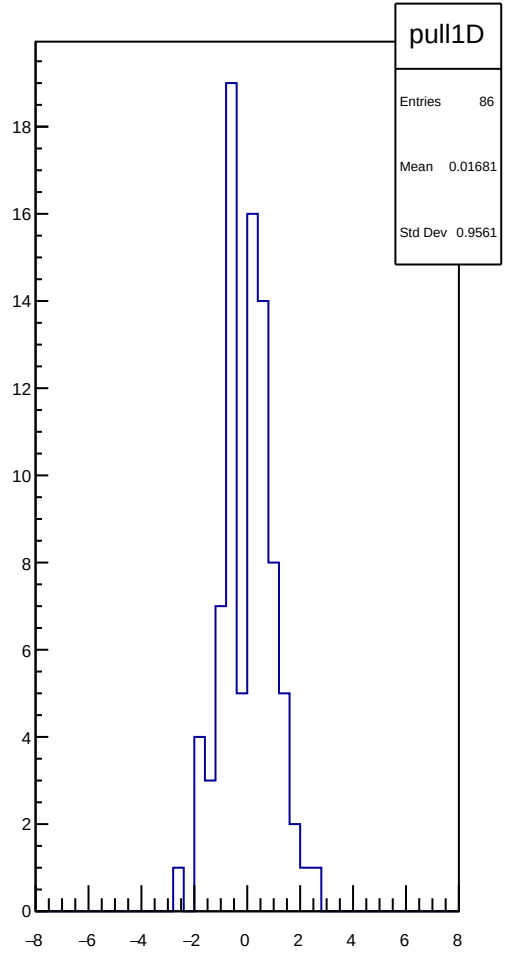

asym_at2_avg_rms vs run
χ² / ndf 8028 / 85
p0 1.675e+04 ± 12.99
20000
19000
18000
17000
16000
15000
14000

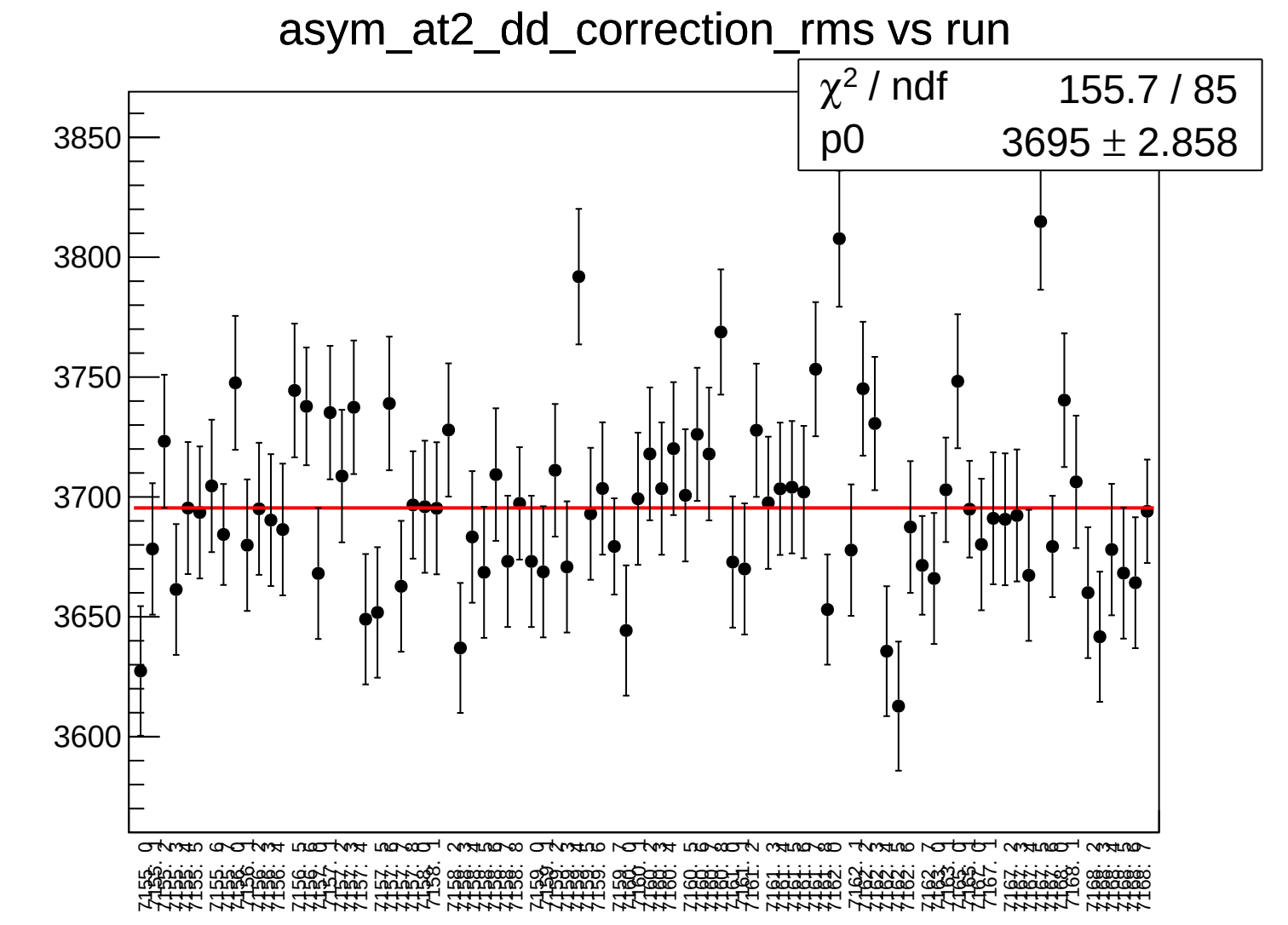

dit_asym_at2_dd_mean vs run
χ² / ndf 83.2 / 85
p0 1476 ± 1948
pull
Entries 86
Mean −78.03
Std Dev 129.9

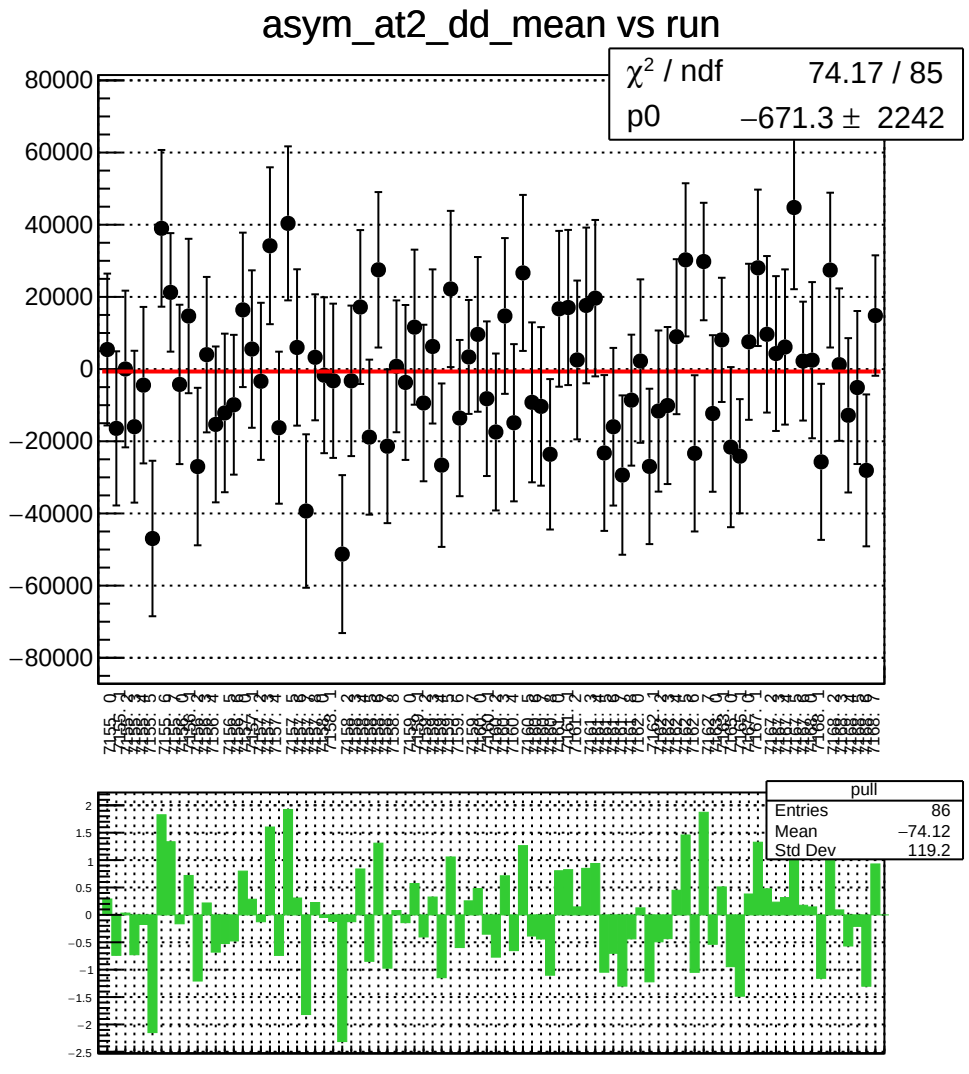

pull1D
Entries 86
Mean 0.02147
Std Dev 0.9833

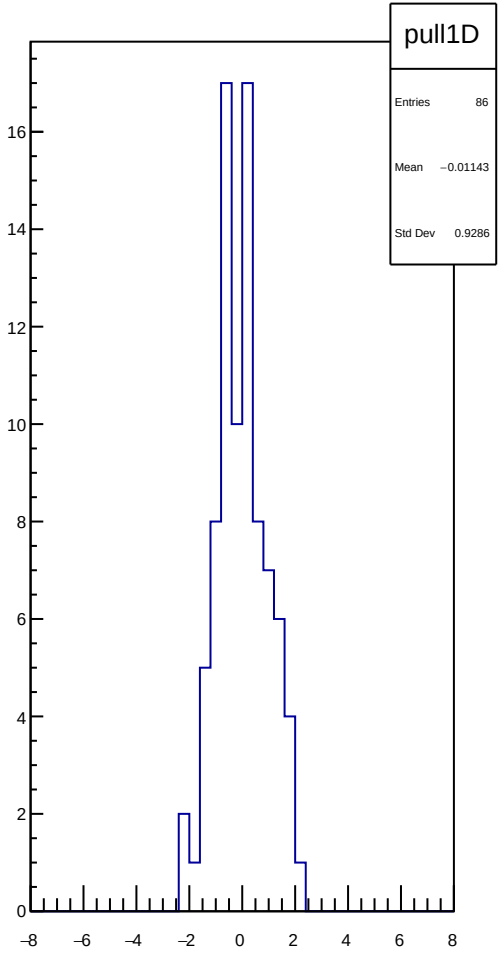

dit_asym_at2_dd_rms vs run
χ^2 / ndf 104.7 / 85
p0 1781 ± 1.378
1840
1820
1800
1780
1760
1740
1720

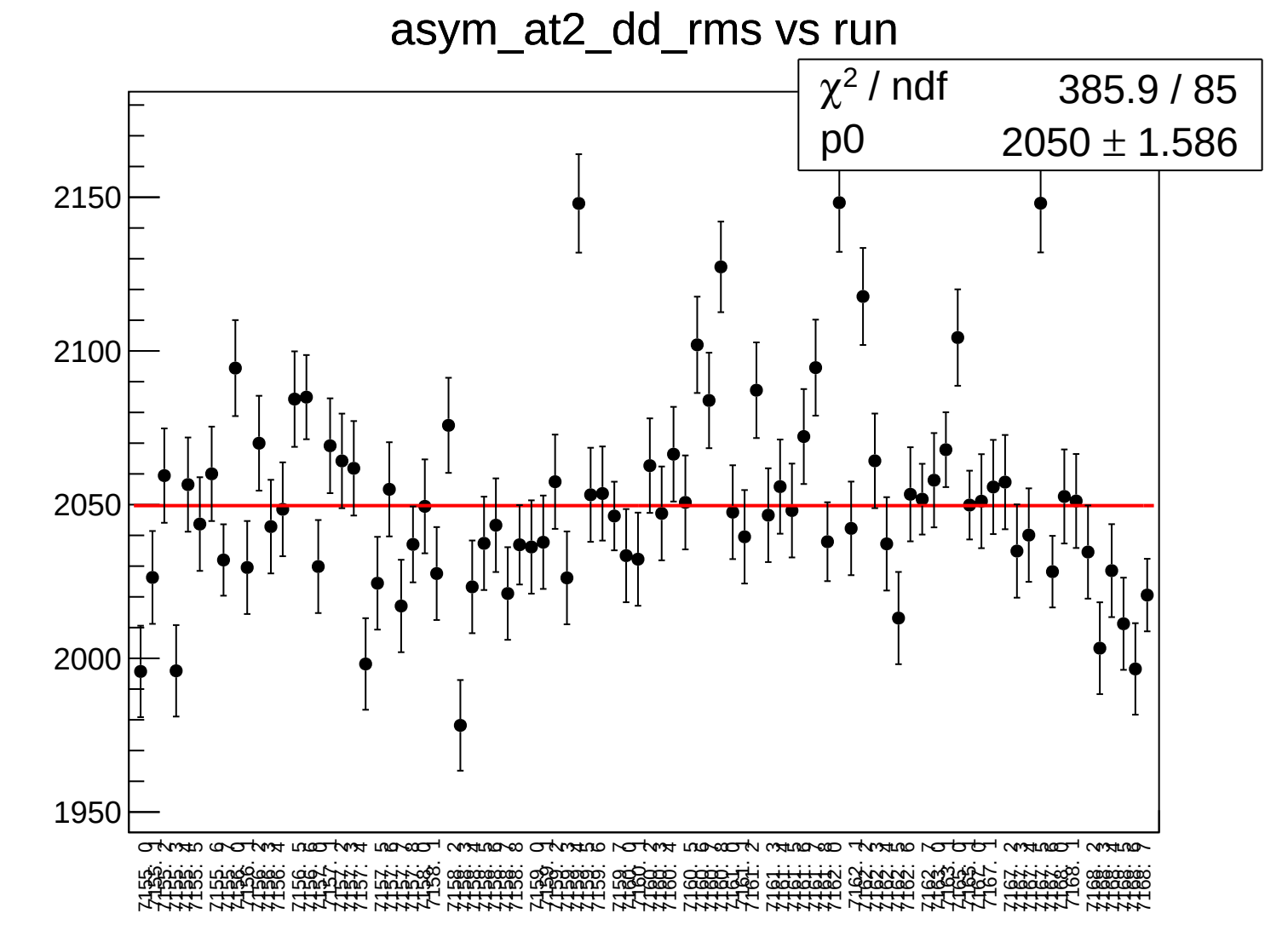

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 78.64 / 85
p0 2140 ± 4042
150
100
50
0
−50
−100
pull
Entries 86
Mean −75.45
Std Dev 124.9
2
1
0
−1
−2

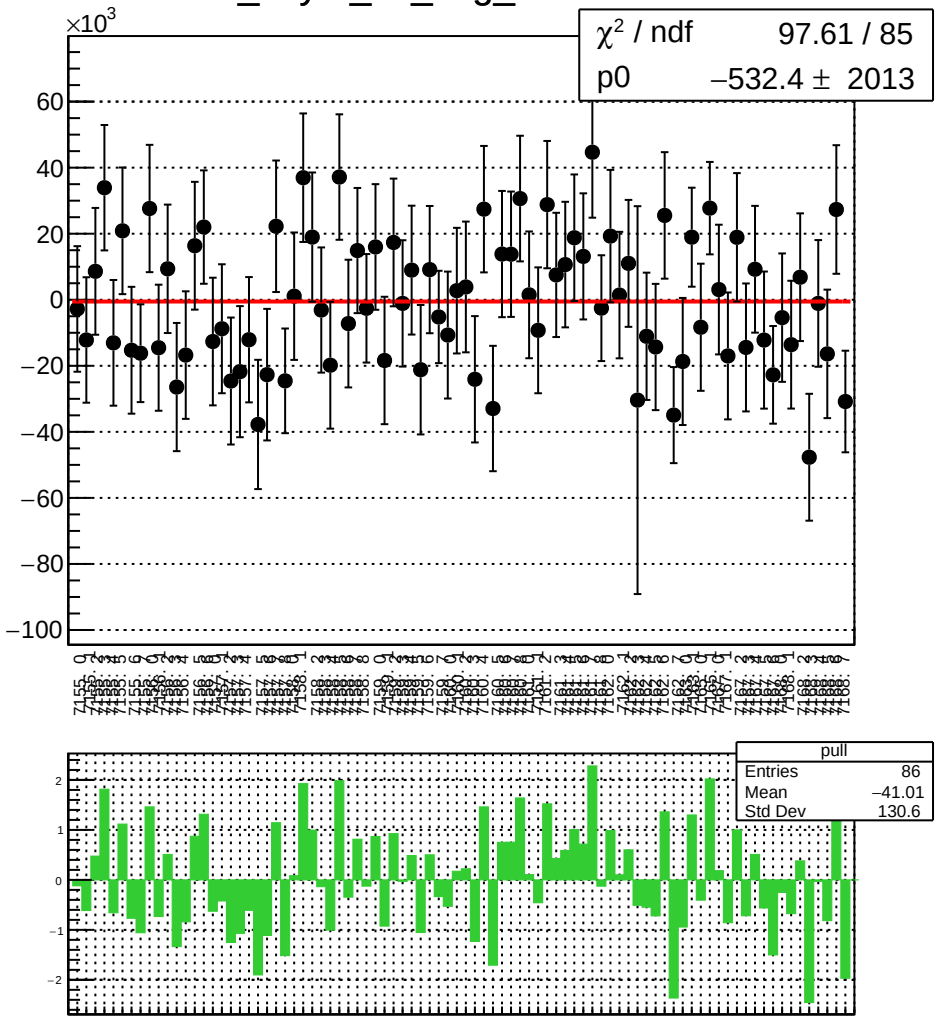

pull1D
Entries 86
Mean 0.01681
Std Dev 0.9561
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

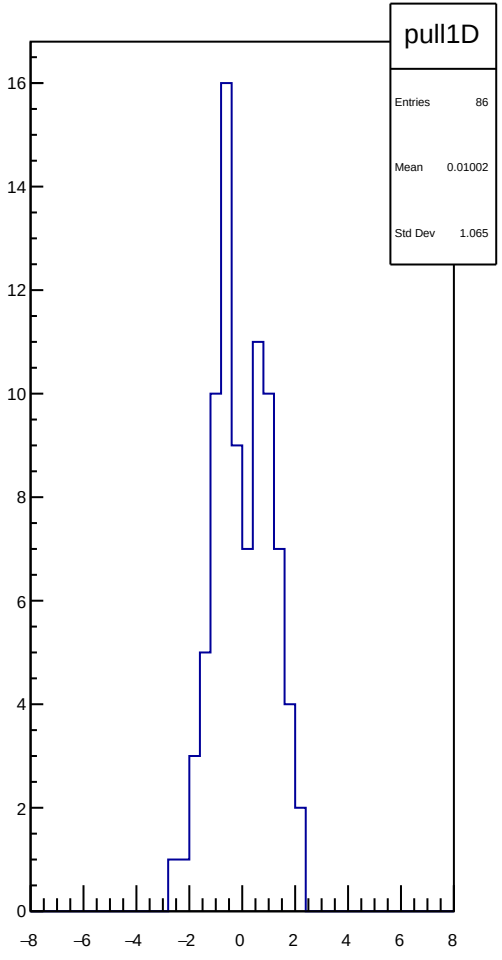

asym_at2_dd_correction_rms vs run
χ^2 / ndf 155.7 / 85
p0 3695 ± 2.858
3850
3800
3750
3700
3650
3600

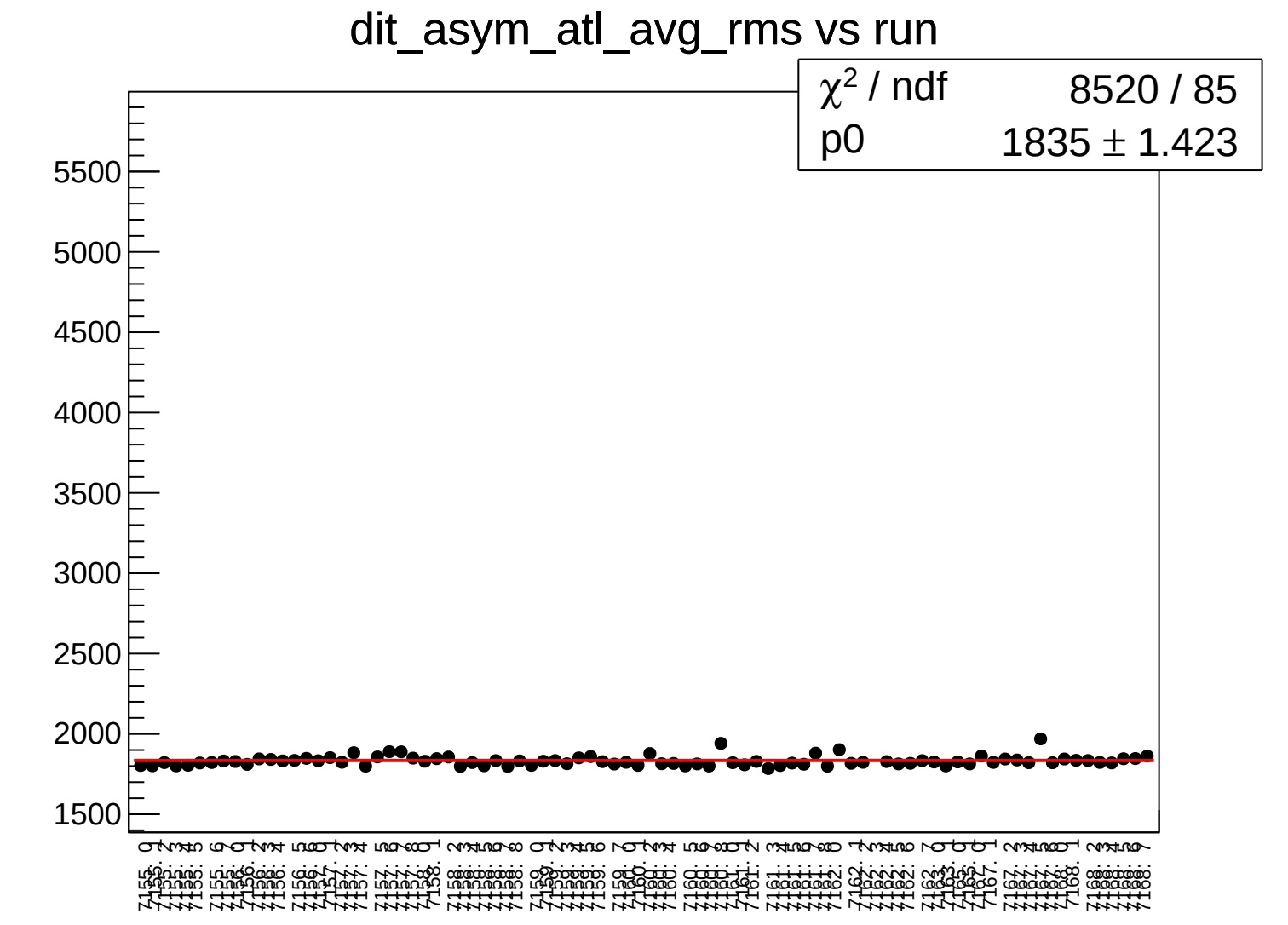

asym_at2_dd_mean vs run
χ² / ndf 74.17 / 85
p0 −671.3 ± 2242
pull
Entries 86
Mean −74.12
Std Dev 119.2

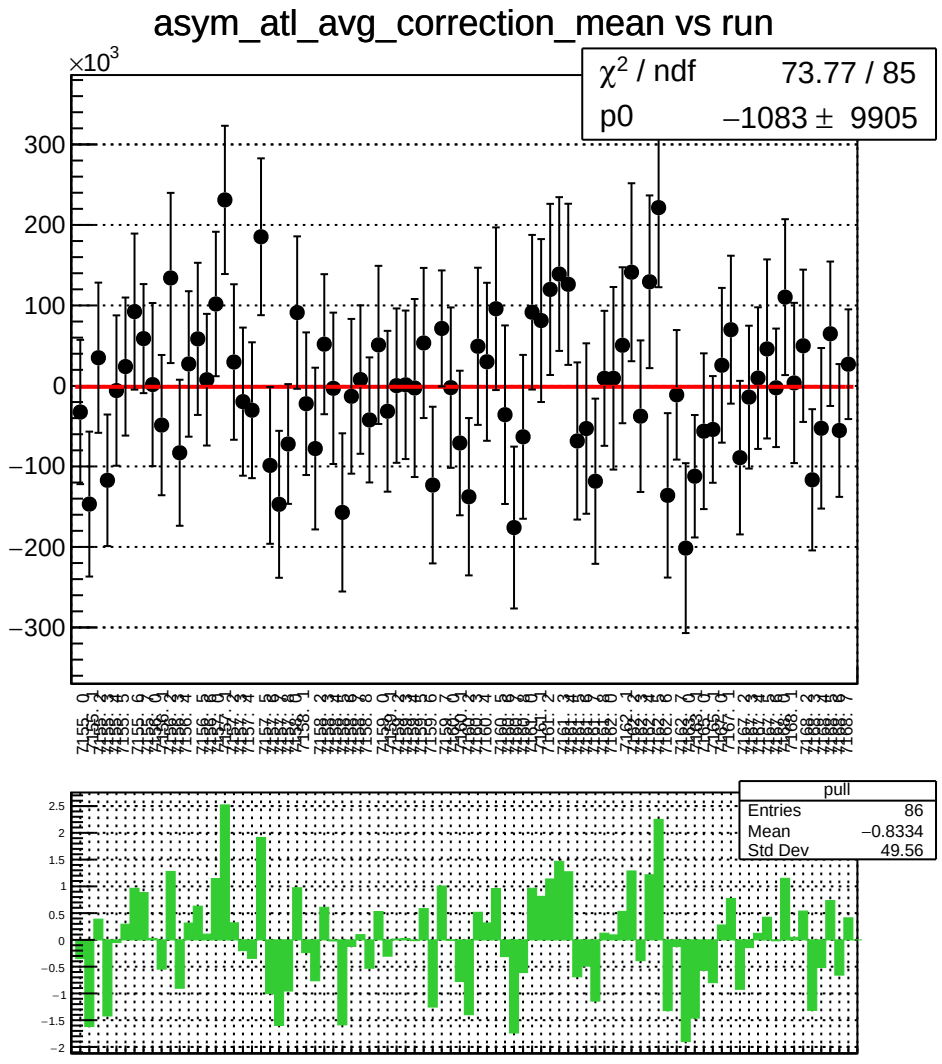

pull1D
Entries 86
Mean −0.01143
Std Dev 0.9286

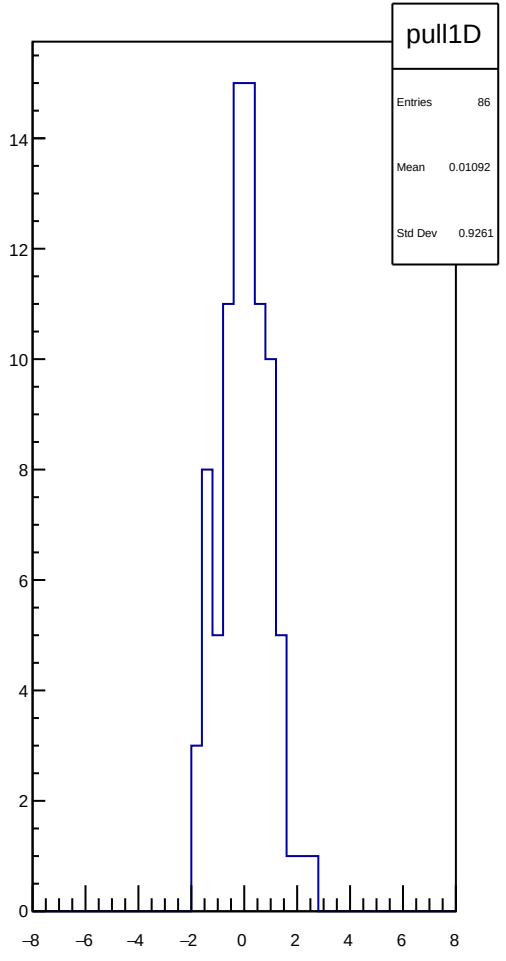

asym_at2_dd_rms vs run
χ^2 / ndf 385.9 / 85
p0 2050 ± 1.586
2150
2100
2050
2000
1950

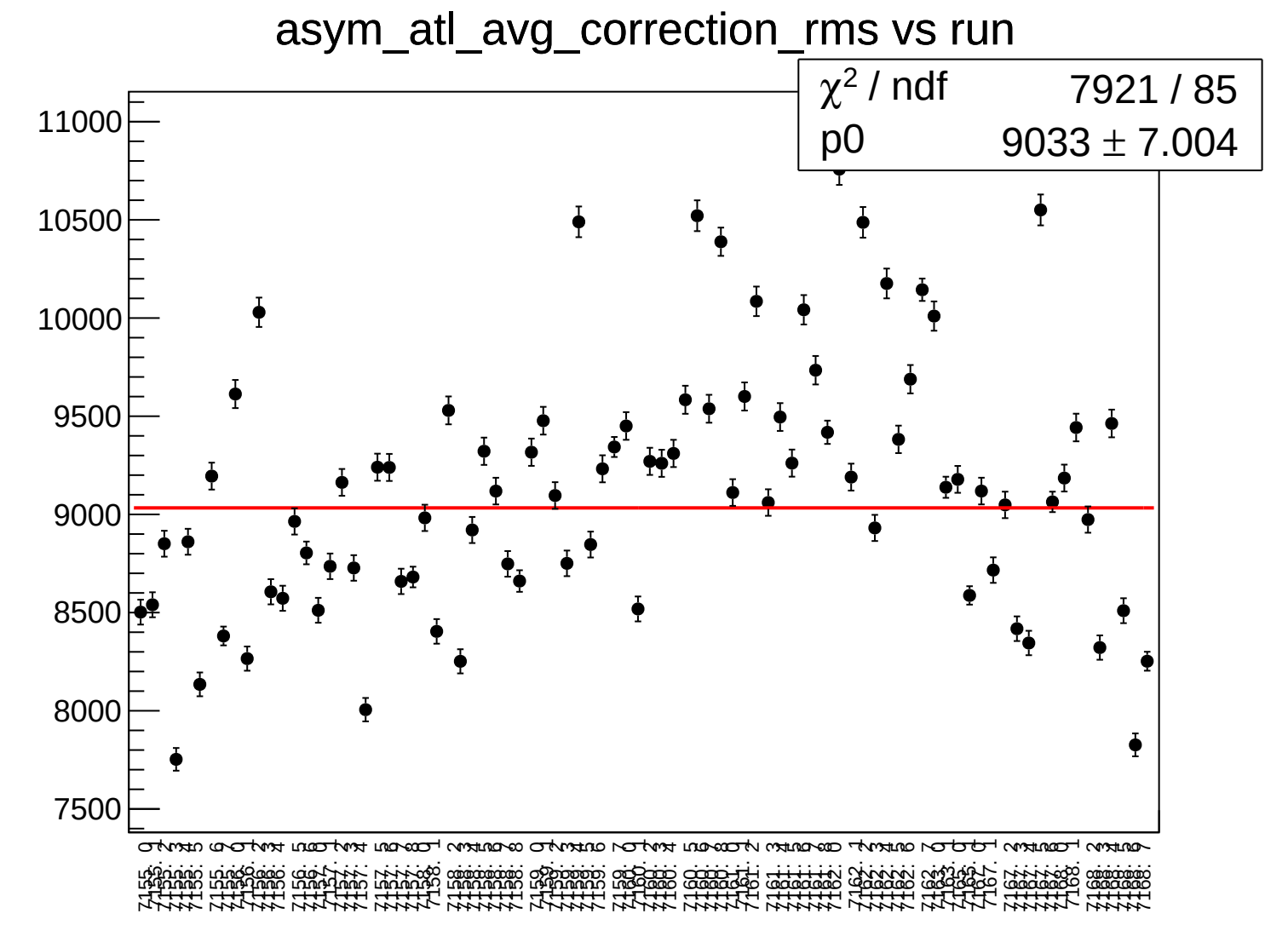

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 97.61 / 85
p0 −532.4 ± 2013
pull
Entries 86
Mean −41.01
Std Dev 130.6

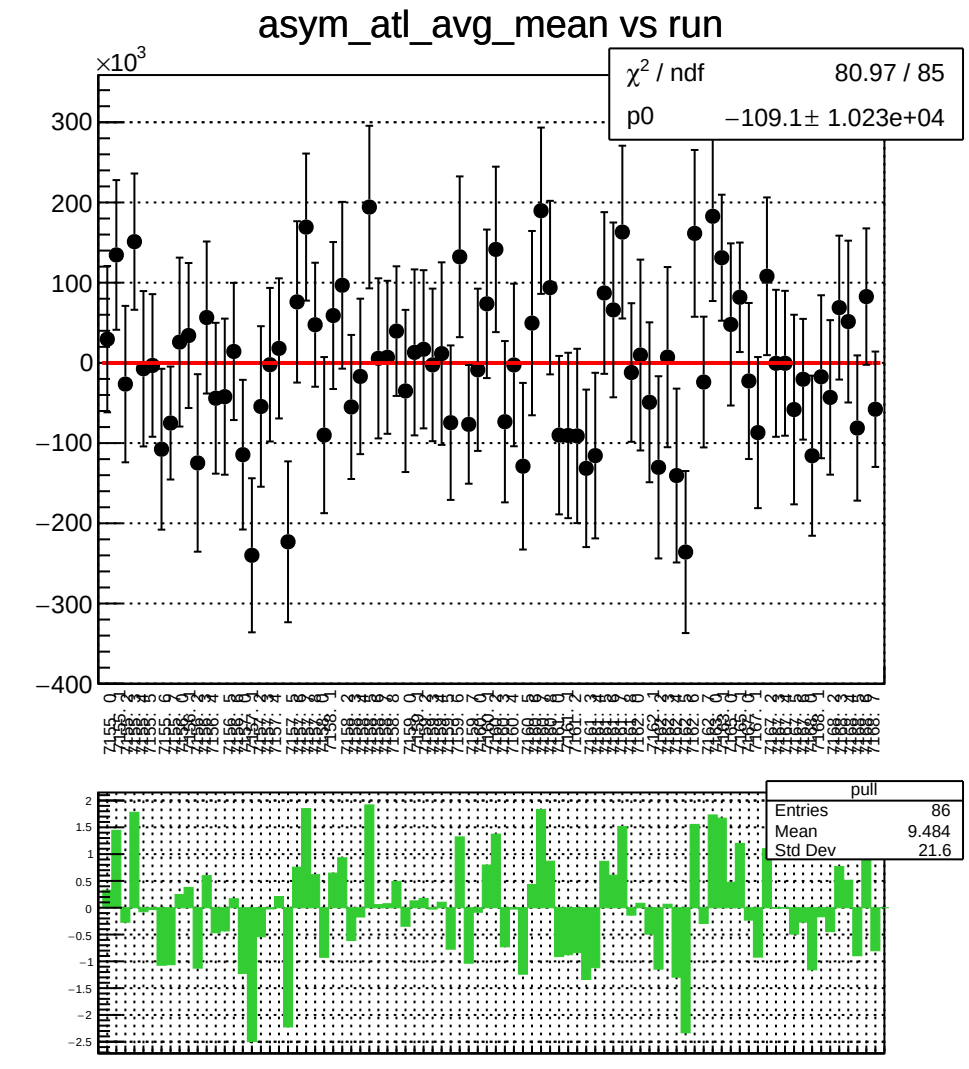

pull1D
Entries 86
Mean 0.01002
Std Dev 1.065

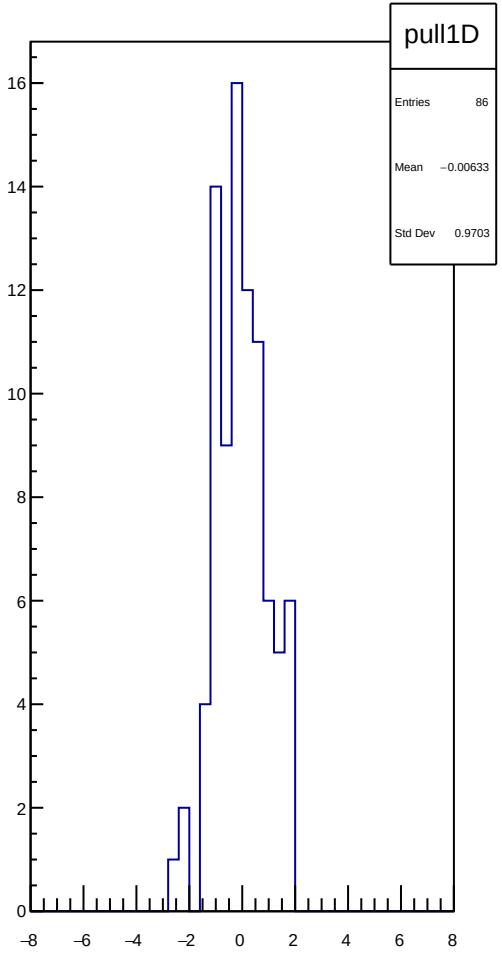

dit_asym_atl_avg_rms vs run
χ² / ndf 8520 / 85
p0 1835 ± 1.423
5500
5000
4500
4000
3500
3000
2500
2000
1500

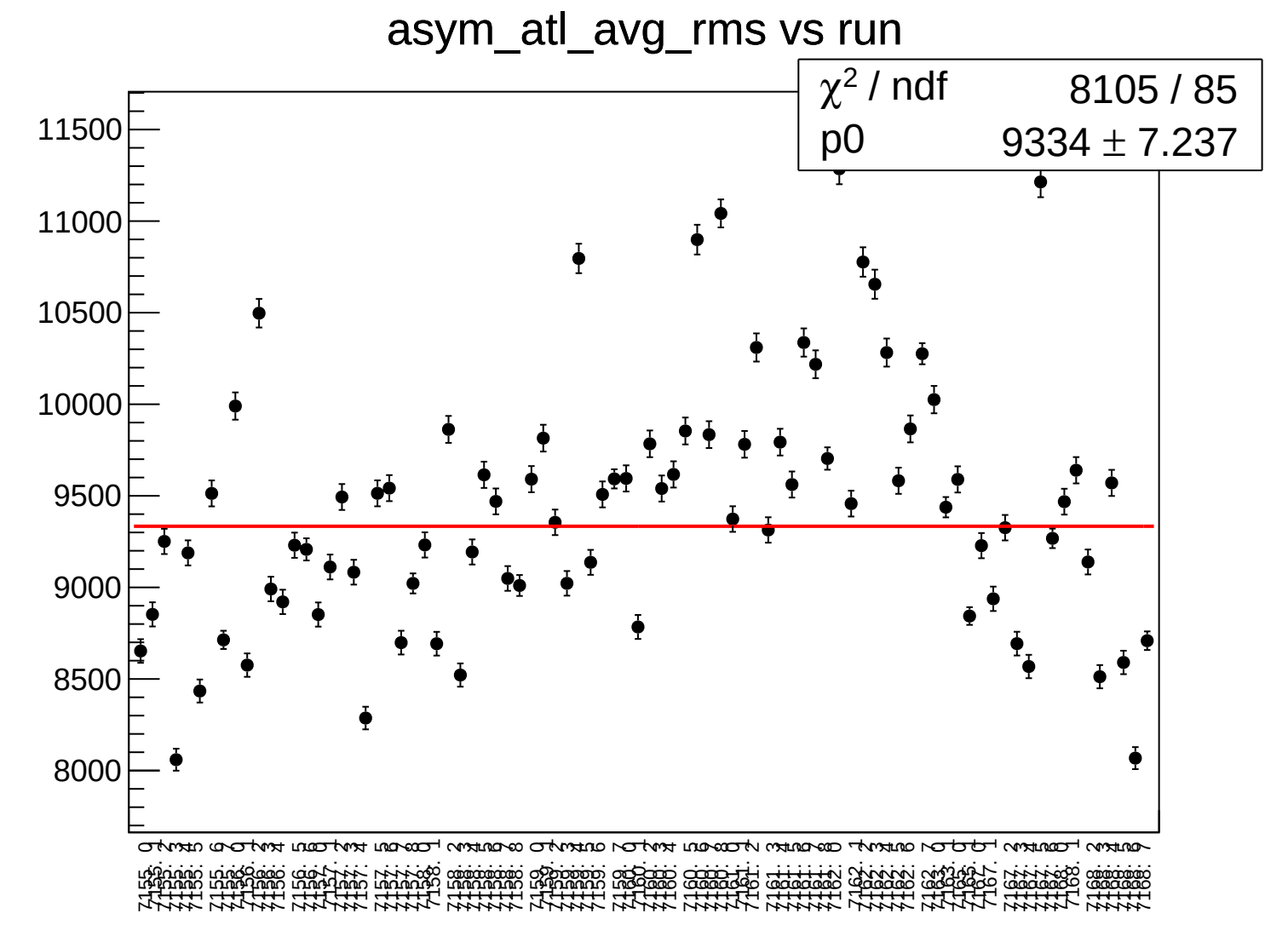

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 73.77 / 85
p0 −1083 ± 9905
pull
Entries 86
Mean −0.8334
Std Dev 49.56

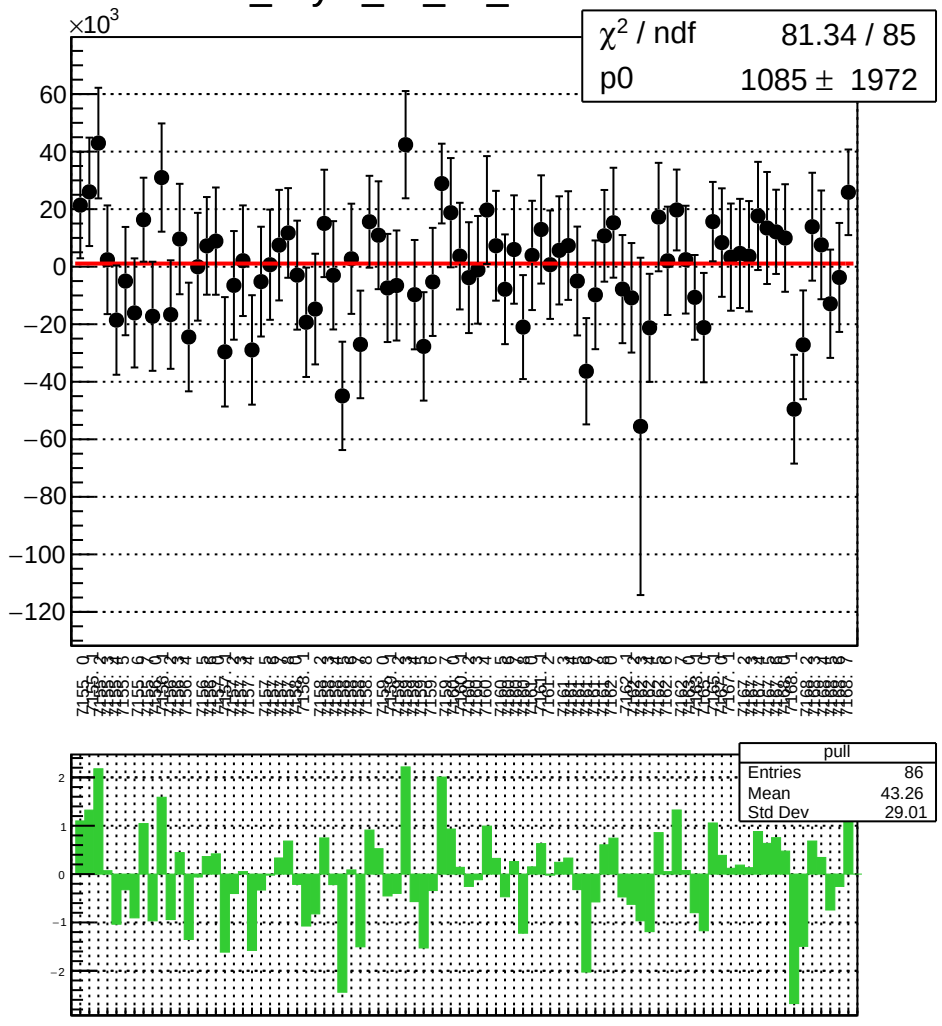

pull1D
Entries 86
Mean 0.01092
Std Dev 0.9261

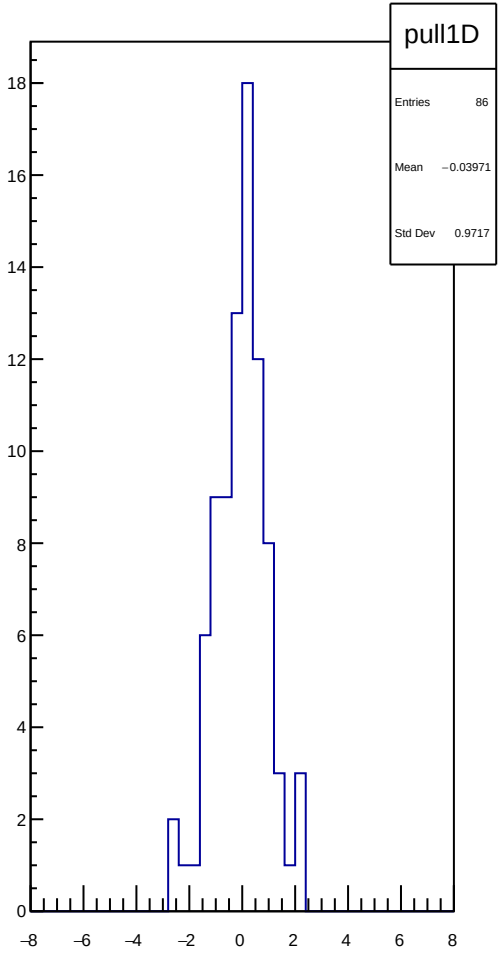

asym_atl_avg_correction_rms vs run
χ^2 / ndf 7921 / 85
p0 9033 ± 7.004
11000
10500
10000
9500
9000
8500
8000
7500

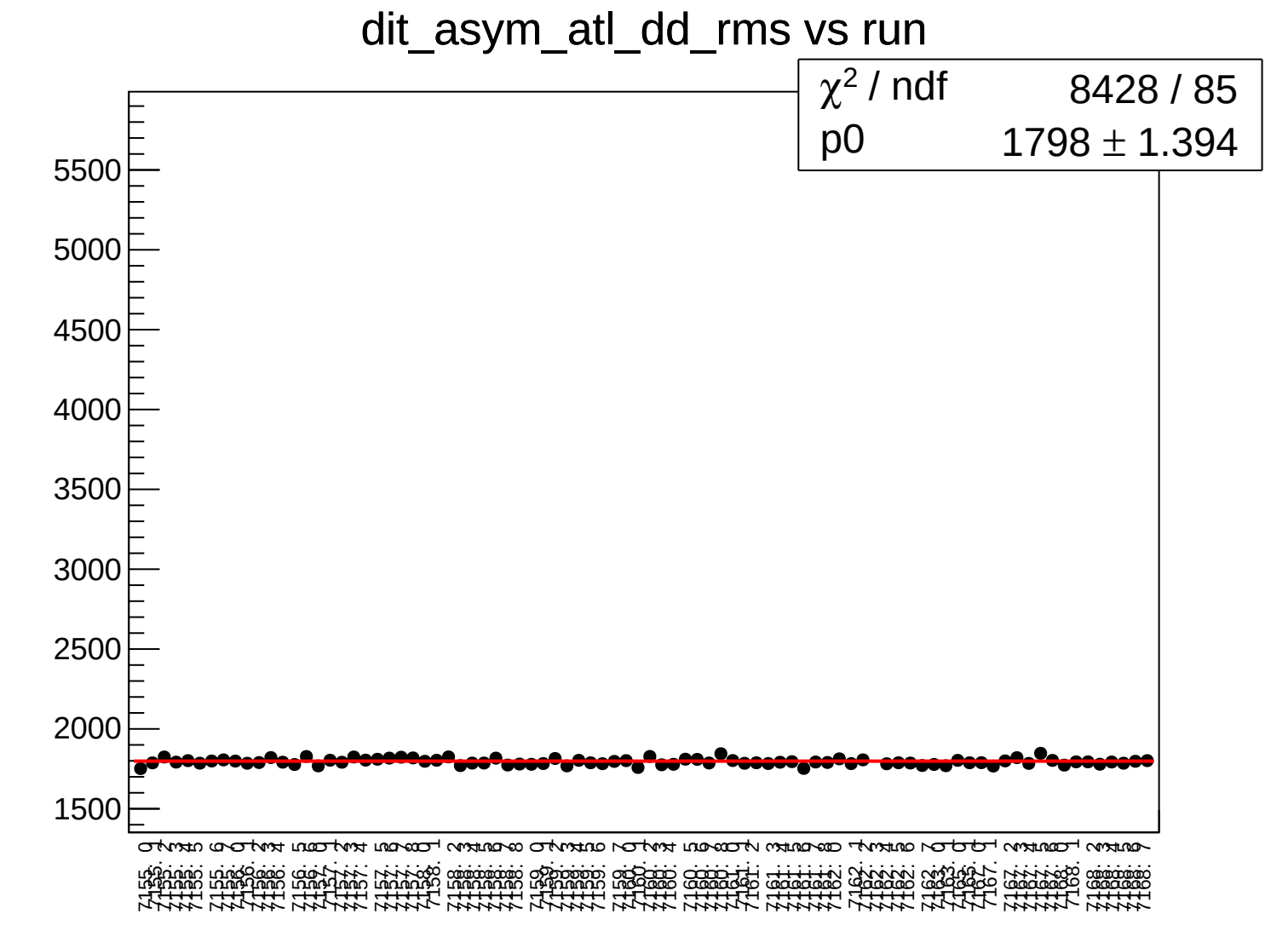

asym_atl_avg_mean vs run
×10^3
χ² / ndf 80.97 / 85
p0 −109.1± 1.023e+04
pull
Entries 86
Mean 9.484
Std Dev 21.6

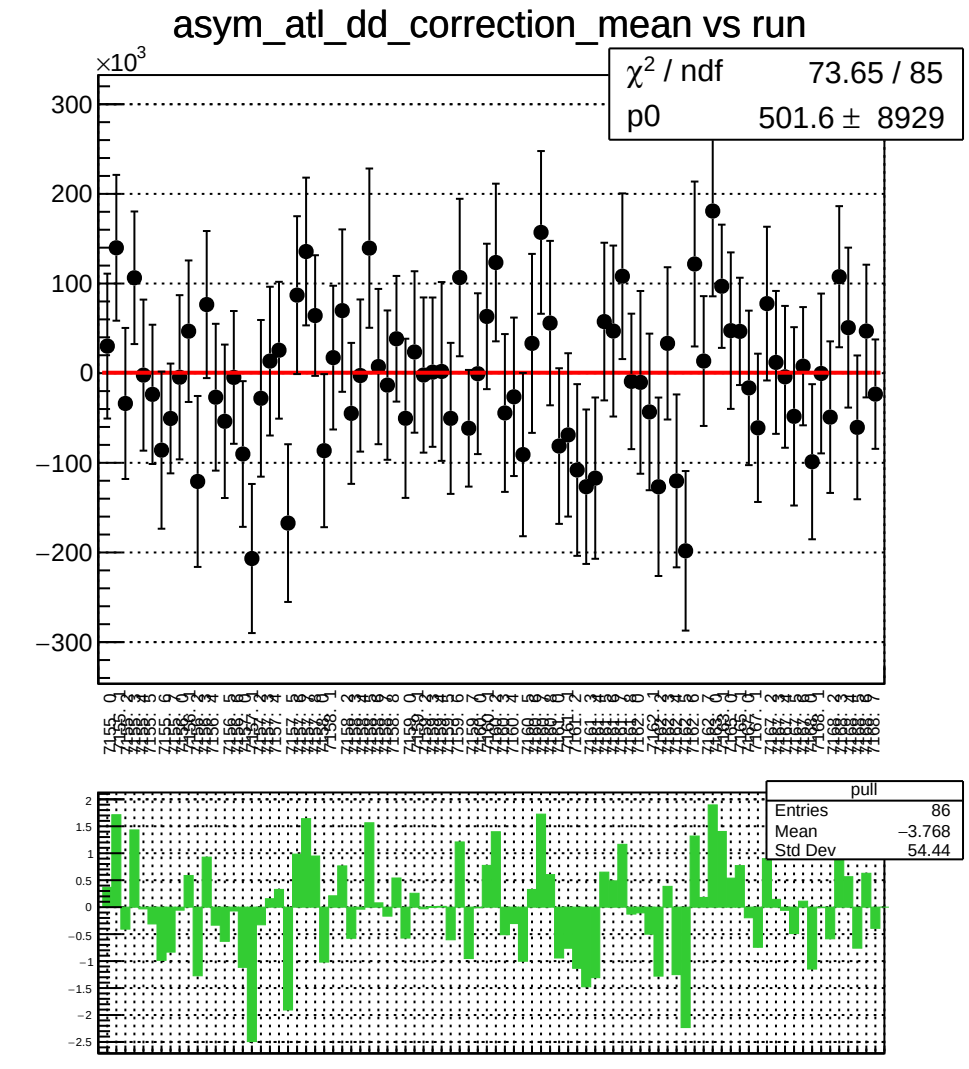

pull1D
Entries 86
Mean −0.00633
Std Dev 0.9703

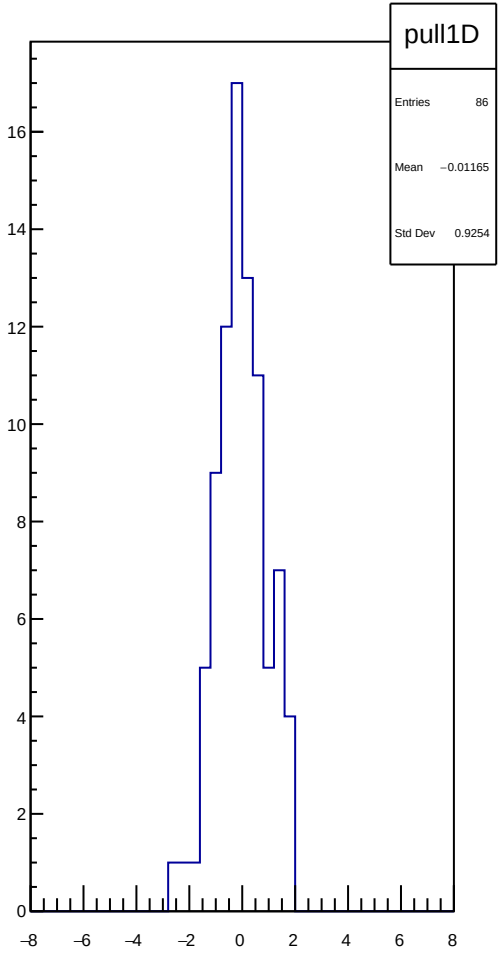

asym_atl_avg_rms vs run
χ² / ndf 8105 / 85
p0 9334 ± 7.237
11500
11000
10500
10000
9500
9000
8500
8000

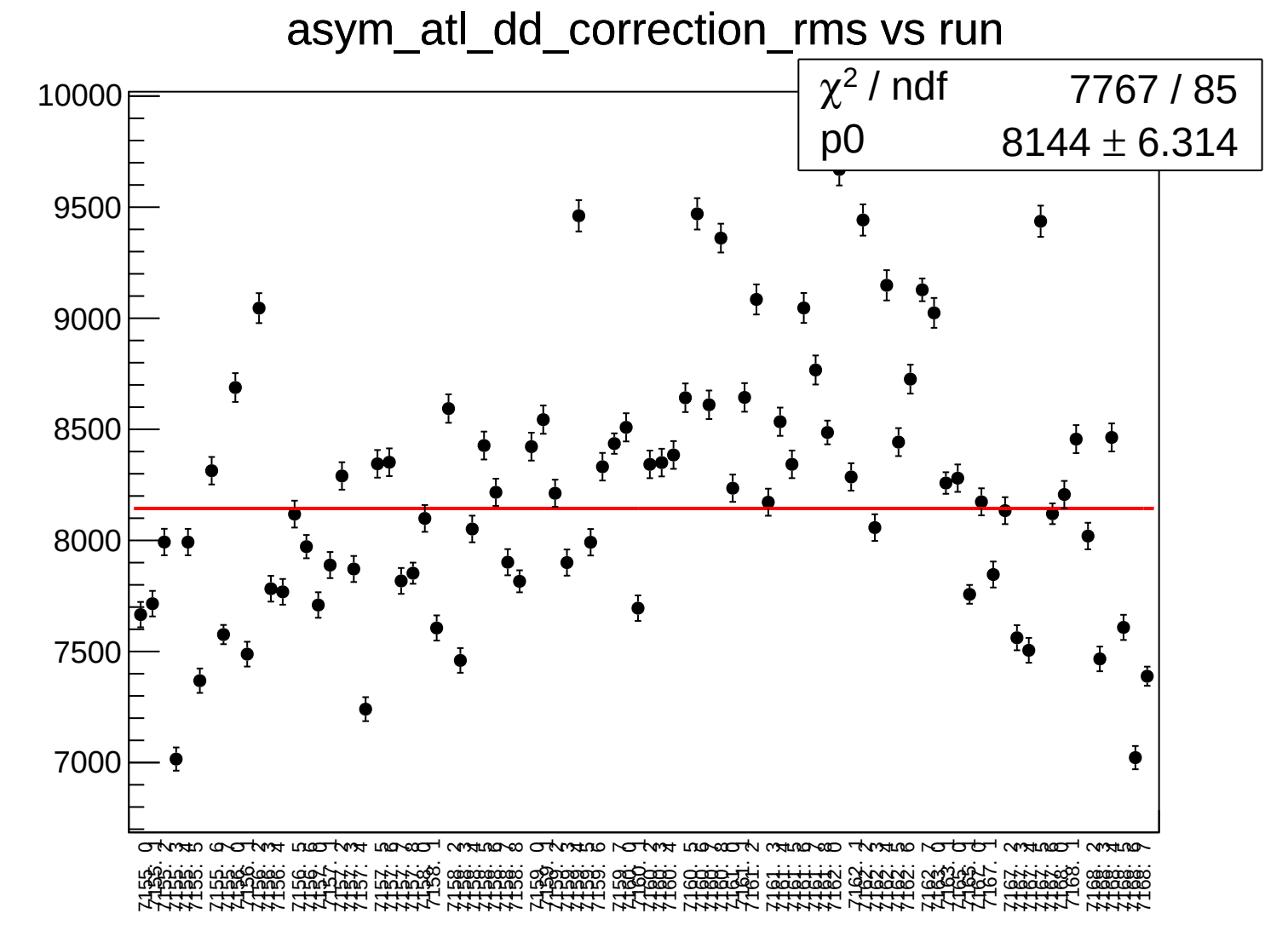

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 81.34 / 85
p0 1085 ± 1972
pull
Entries 86
Mean 43.26
Std Dev 29.01

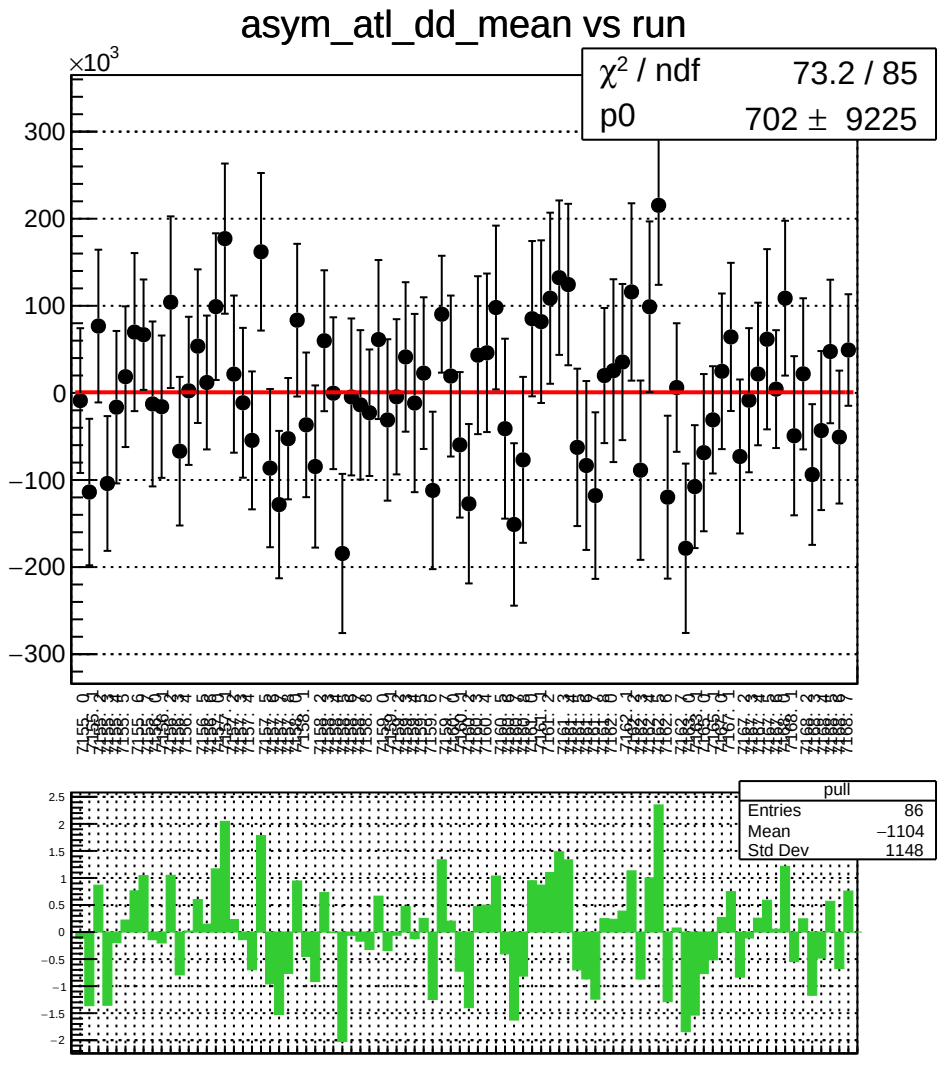

pull1D
Entries 86
Mean −0.03971
Std Dev 0.9717

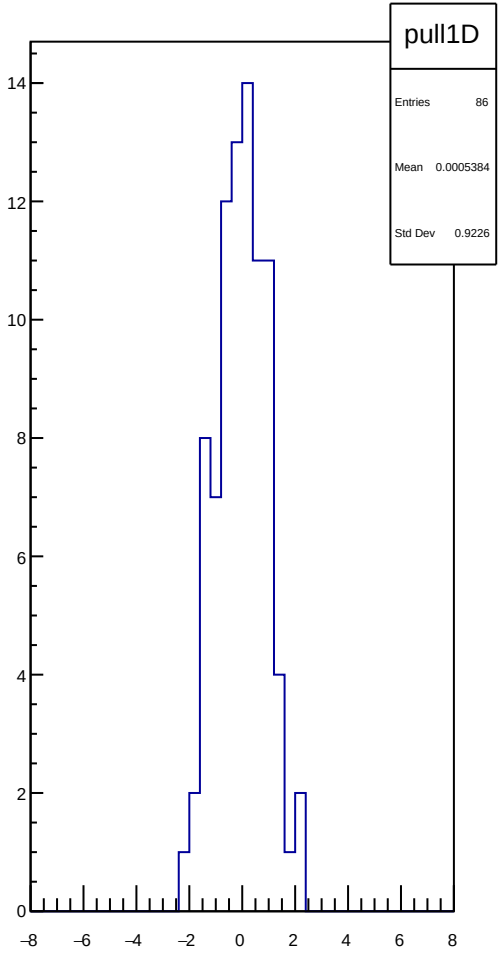

dit_asym_atl_dd_rms vs run
χ^2 / ndf 8428 / 85
p0 1798 ± 1.394
5500
5000
4500
4000
3500
3000
2500
2000
1500

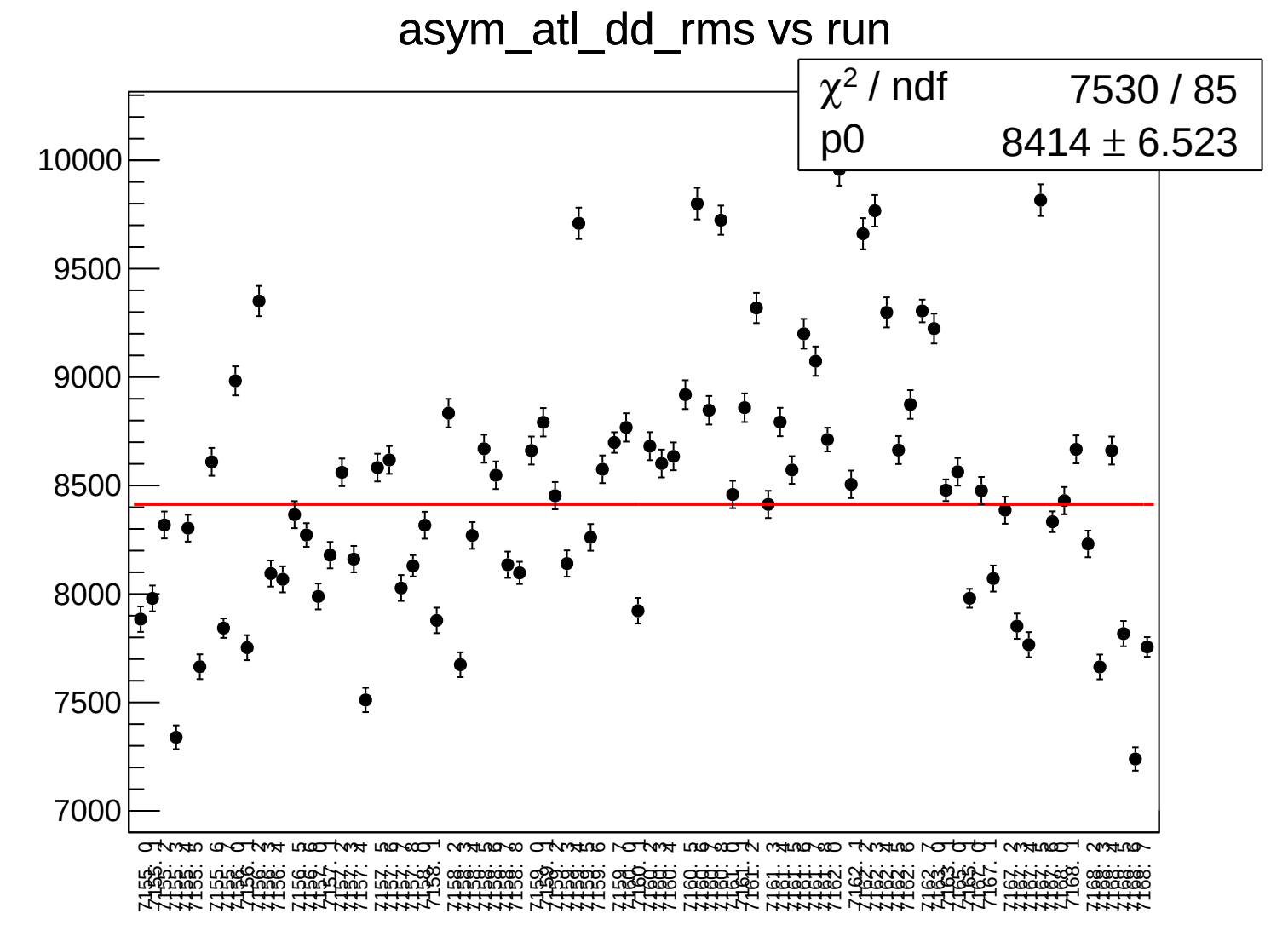

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 73.65 / 85
p0 501.6 ± 8929
pull
Entries 86
Mean −3.768
Std Dev 54.44

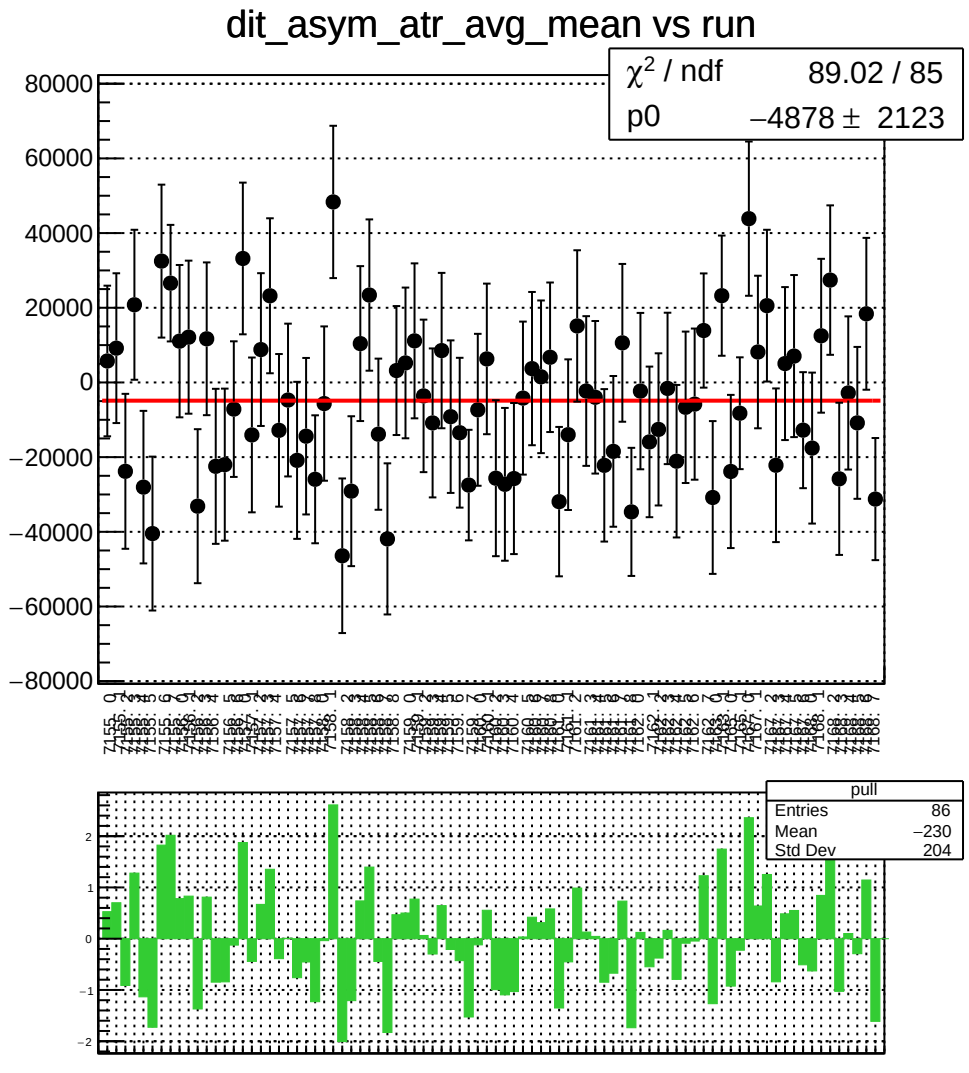

pull1D
Entries 86
Mean −0.01165
Std Dev 0.9254

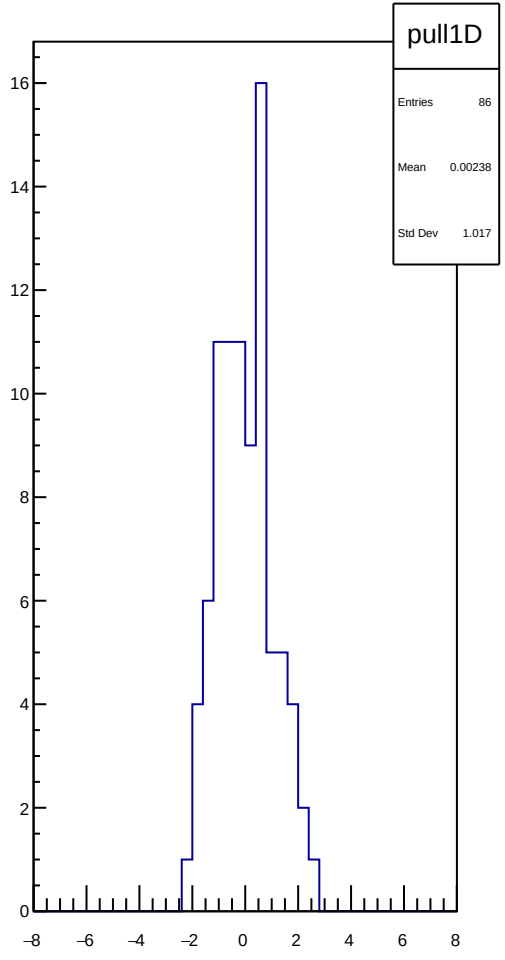

asym_atl_dd_correction_rms vs run
χ² / ndf 7767 / 85
p0 8144 ± 6.314
10000
9500
9000
8500
8000
7500
7000

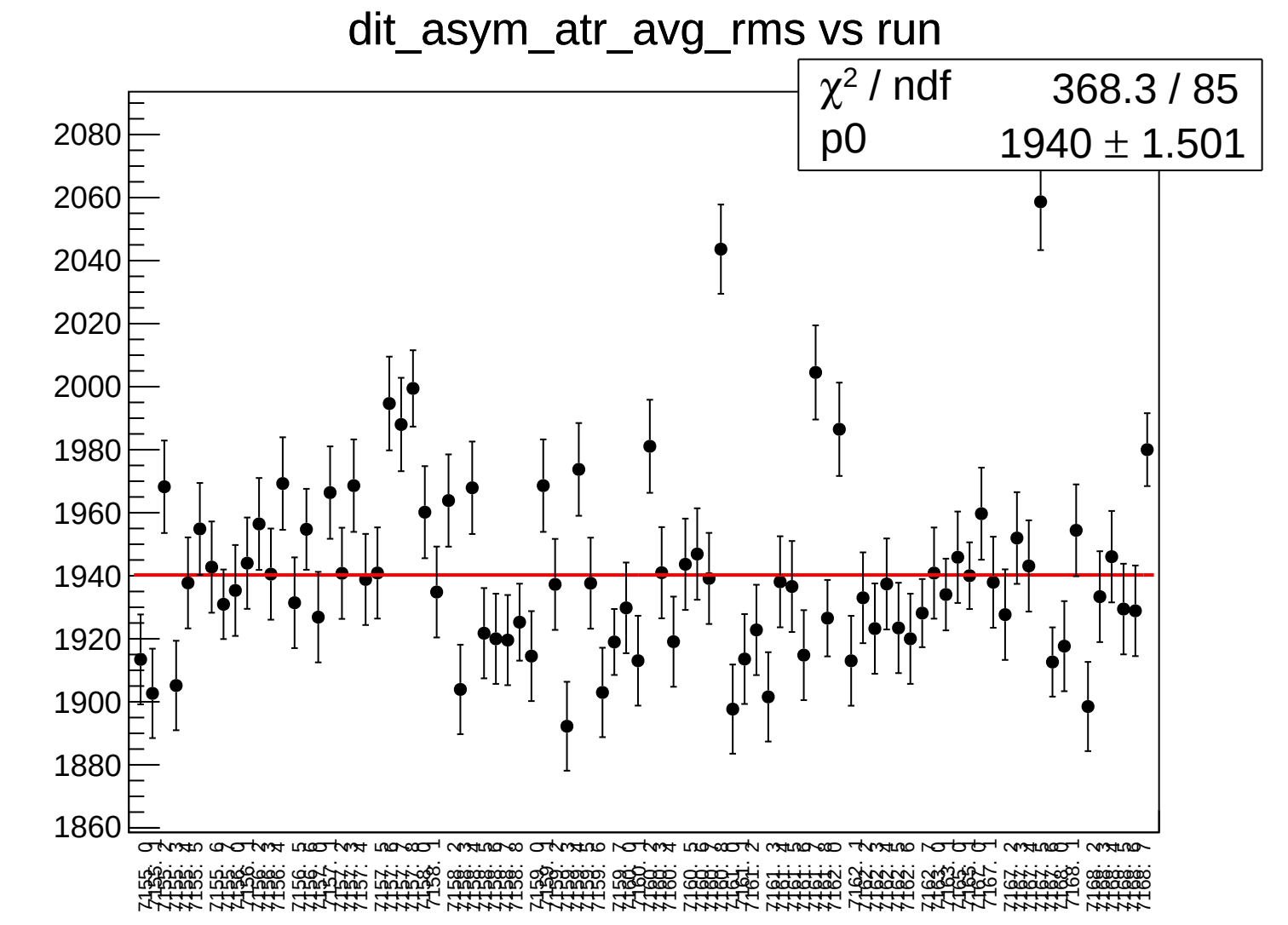

asym_atl_dd_mean vs run
×10^3
χ² / ndf 73.2 / 85
p0 702 ± 9225
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean −1104
Std Dev 1148
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

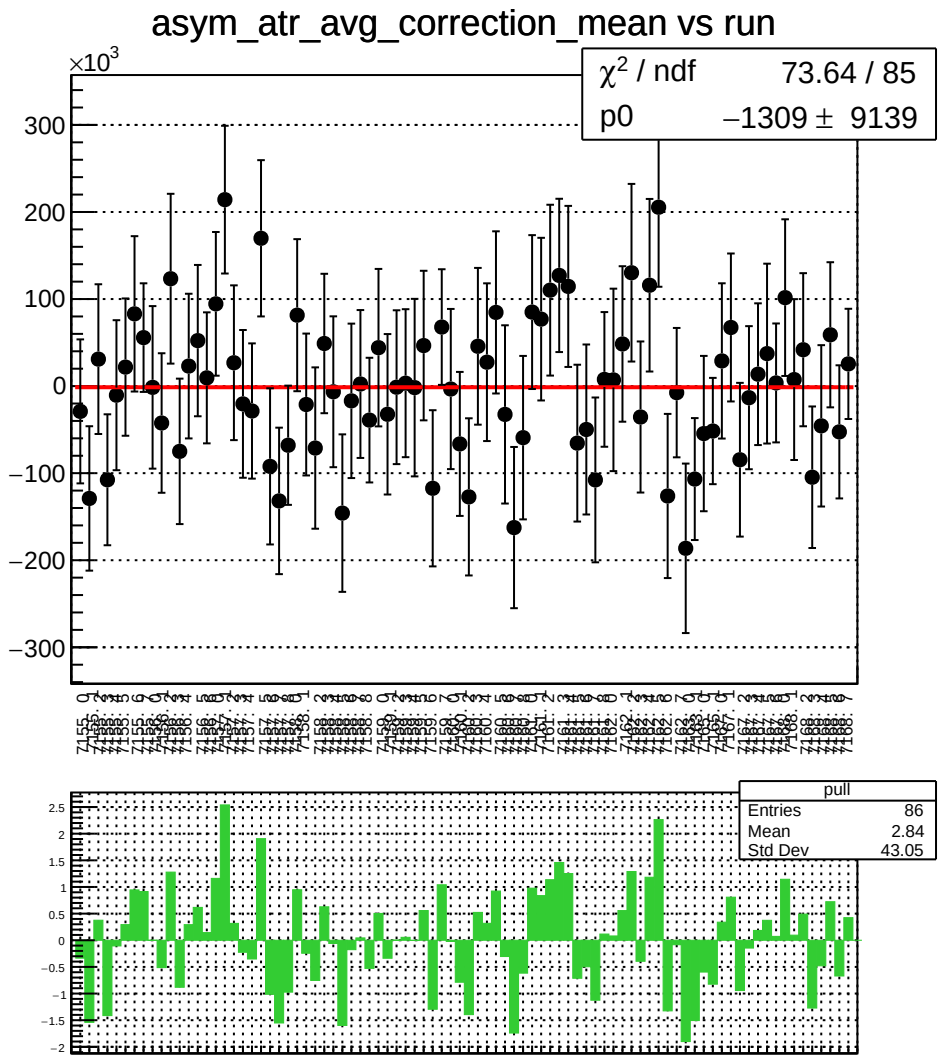

pull1D
Entries 86
Mean 0.0005384
Std Dev 0.9226
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

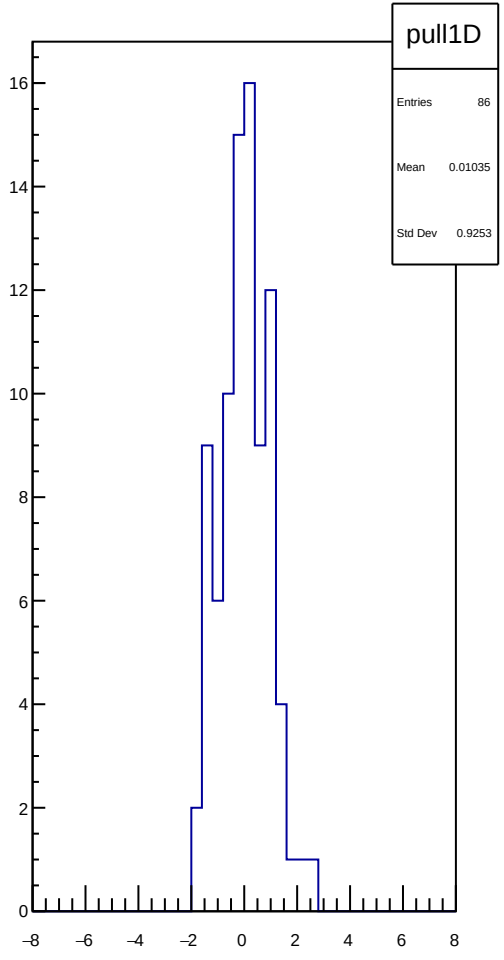

asym_atl_dd_rms vs run
χ^2 / ndf 7530 / 85
p0 8414 ± 6.523
10000
9500
9000
8500
8000
7500
7000

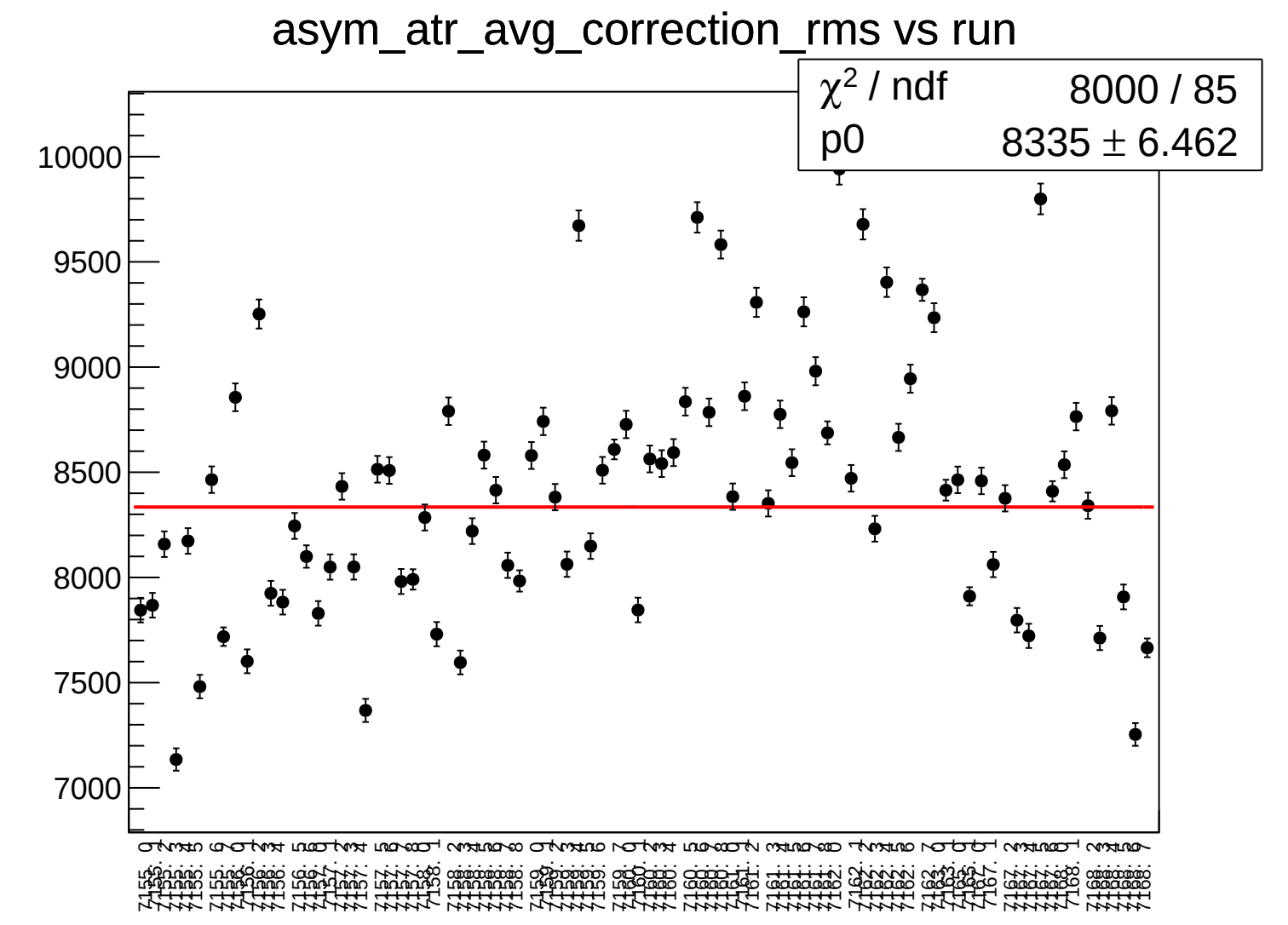

dit_asym_atr_avg_mean vs run
χ² / ndf 89.02 / 85
p0 −4878 ± 2123
pull
Entries 86
Mean −230
Std Dev 204

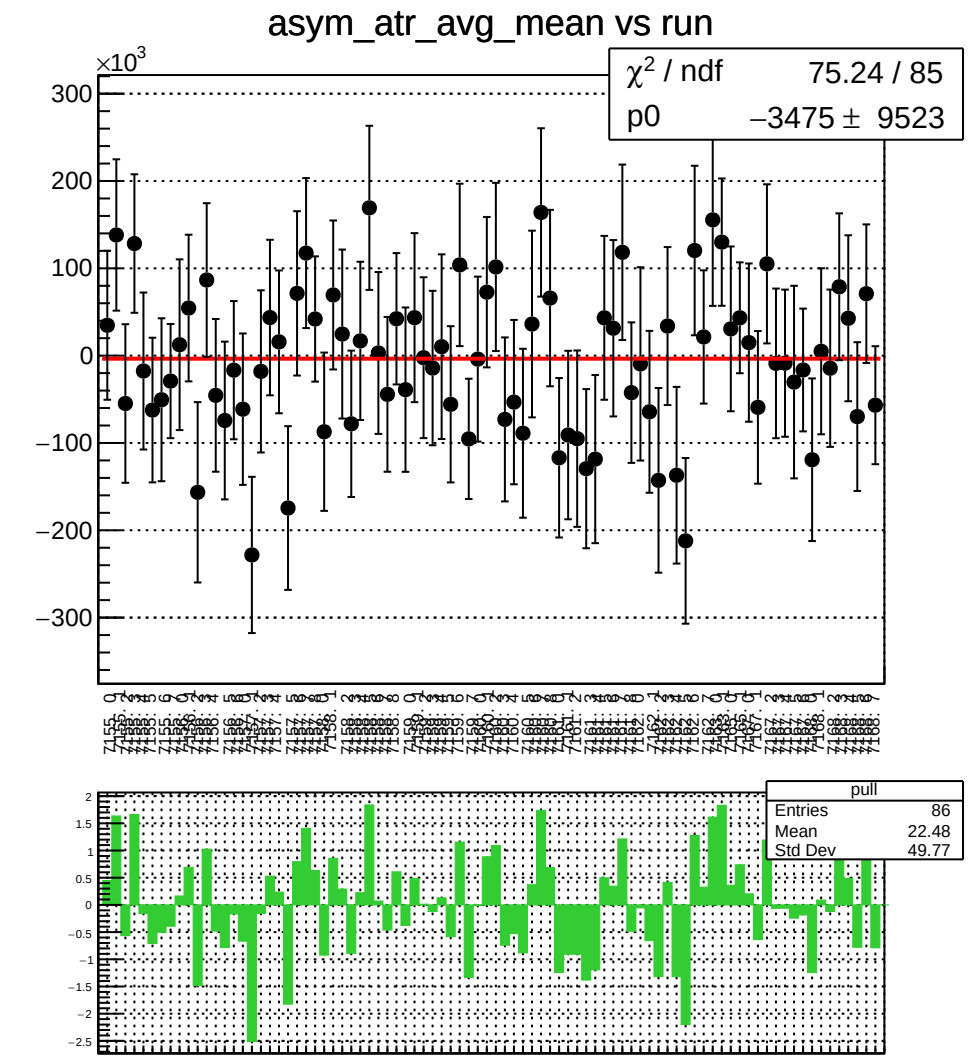

pull1D
Entries 86
Mean 0.00238
Std Dev 1.017

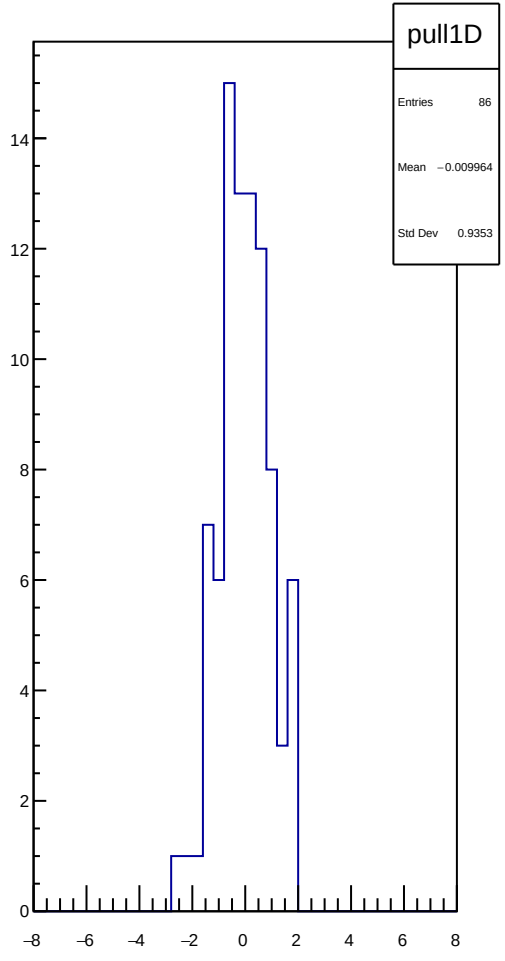

dit_asym_atr_avg_rms vs run
χ² / ndf 368.3 / 85
p0 1940 ± 1.501
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860

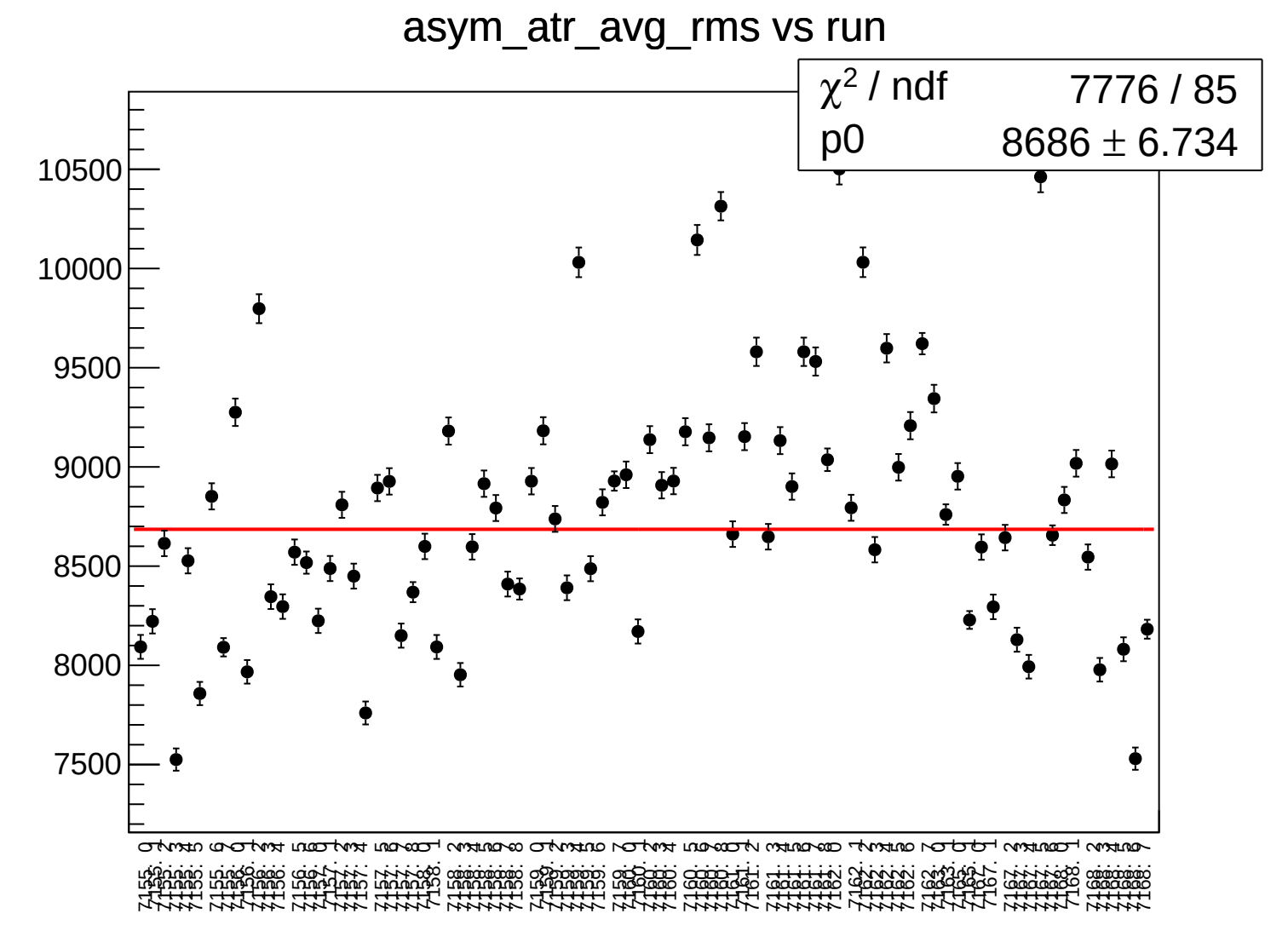

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 73.64 / 85
p0 −1309 ± 9139
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean 2.84
Std Dev 43.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

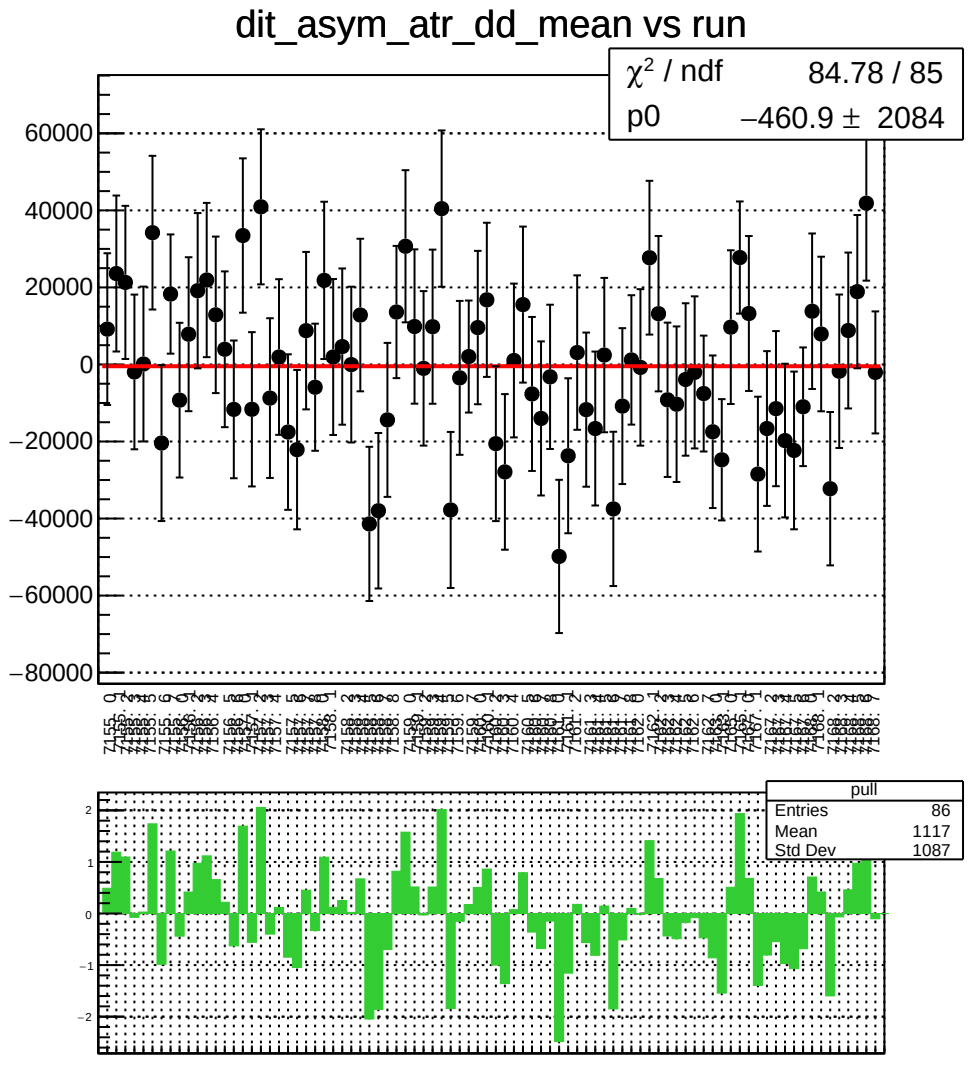

pull1D
Entries 86
Mean 0.01035
Std Dev 0.9253
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

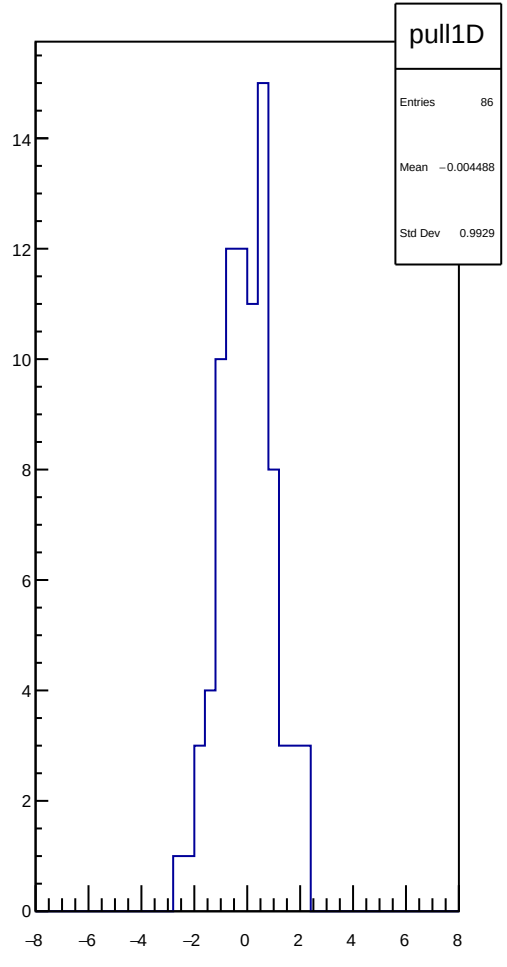

asym_atr_avg_correction_rms vs run
χ² / ndf 8000 / 85
p0 8335 ± 6.462
10000
9500
9000
8500
8000
7500
7000

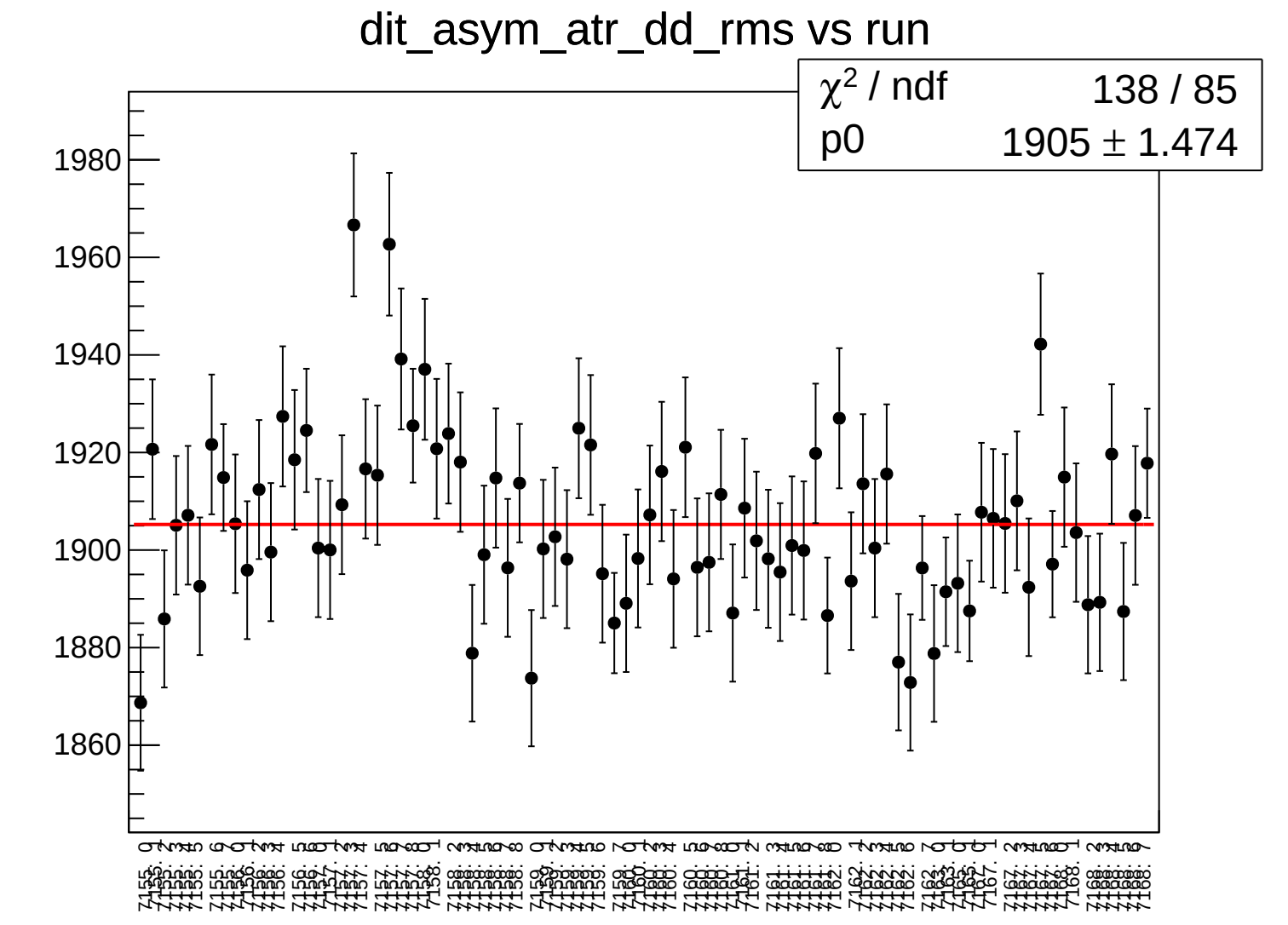

asym_atr_avg_mean vs run
×10^3
χ² / ndf 75.24 / 85
p0 −3475 ± 9523
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean 22.48
Std Dev 49.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

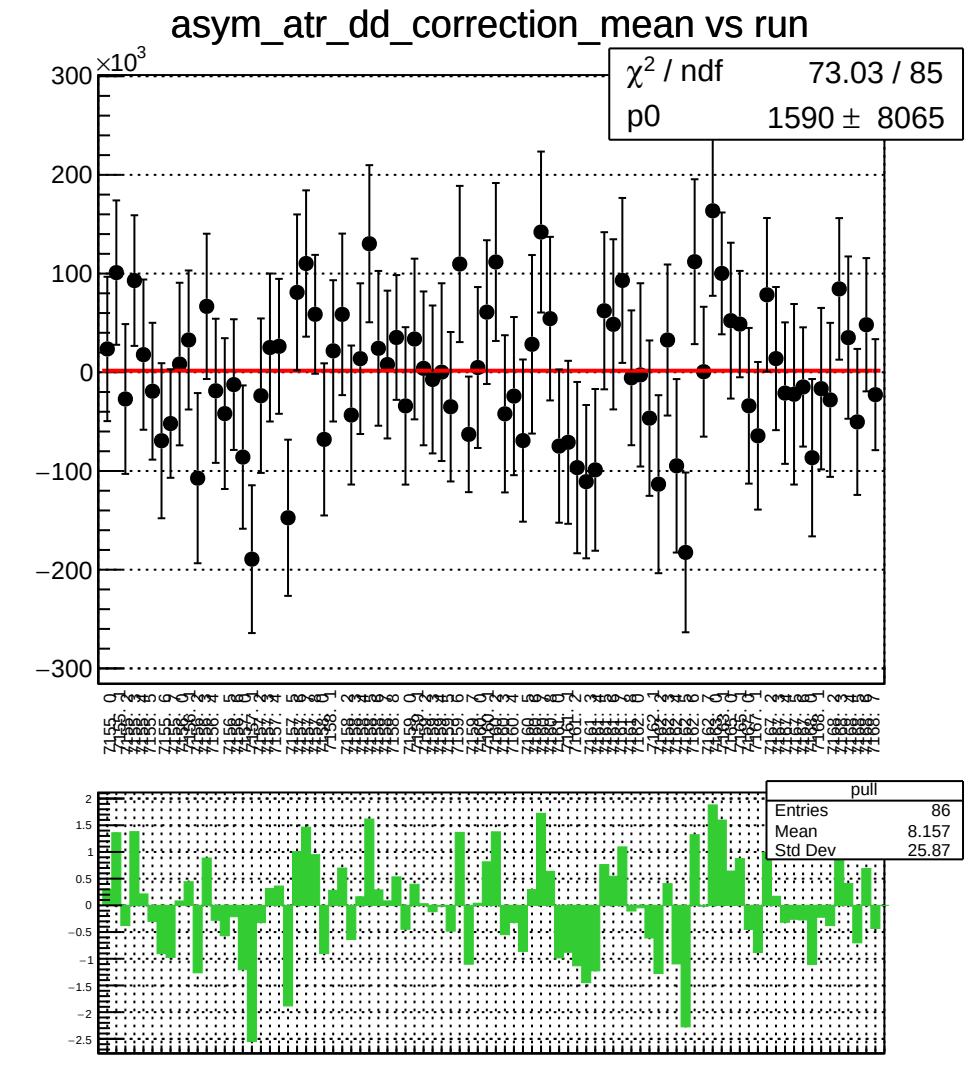

pull1D
Entries 86
Mean −0.009964
Std Dev 0.9353
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

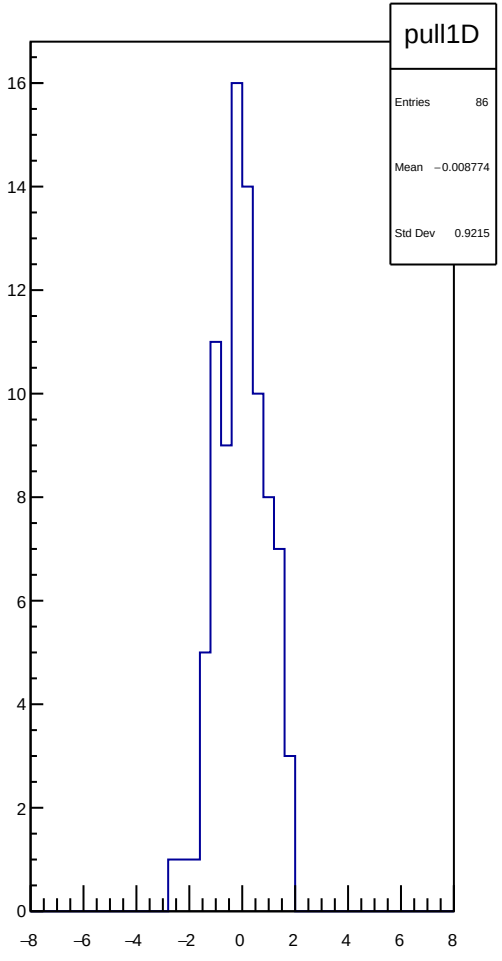

asym_atr_avg_rms vs run
χ² / ndf 7776 / 85
p0 8686 ± 6.734
10500
10000
9500
9000
8500
8000
7500

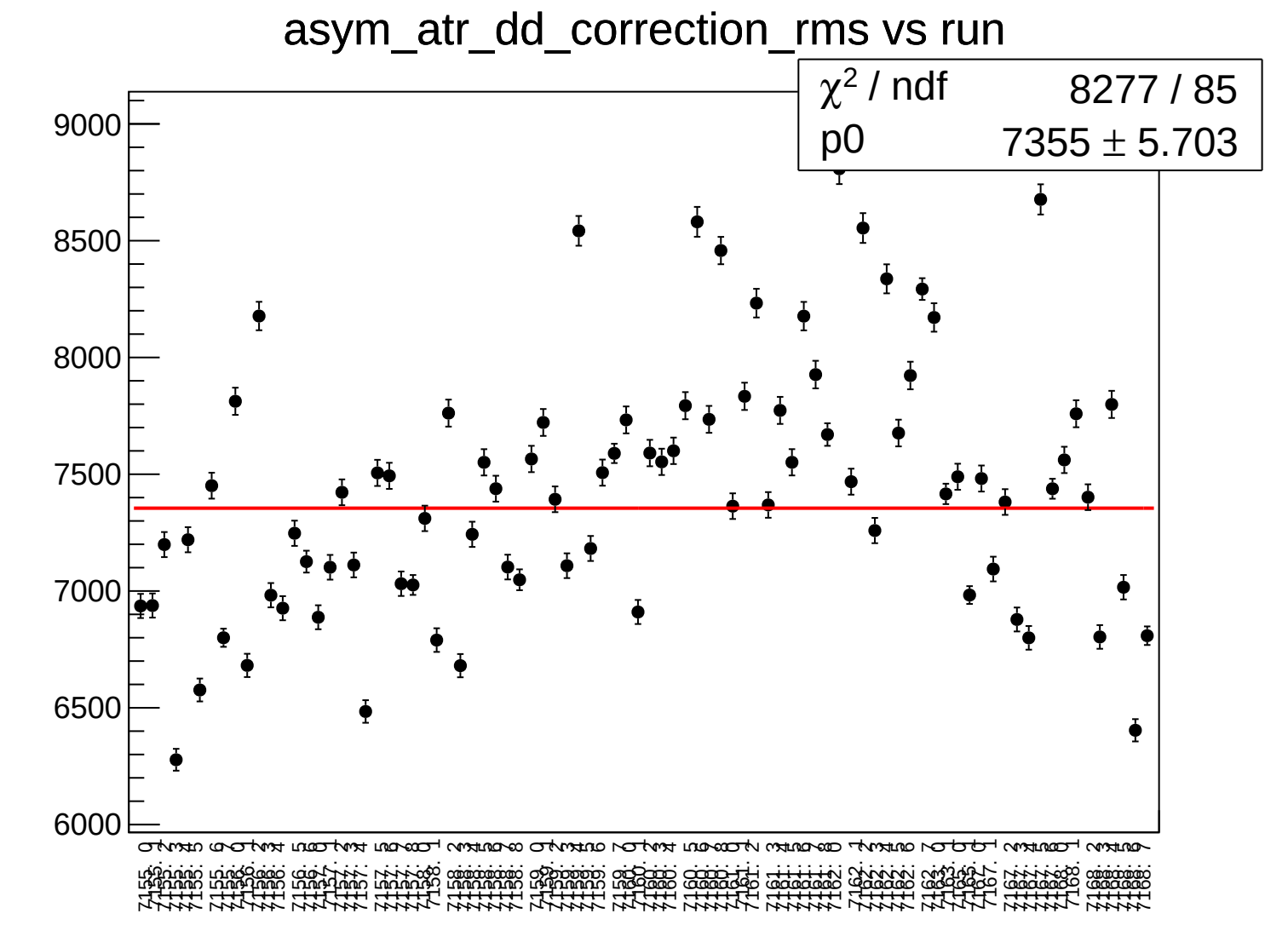

dit_asym_atr_dd_mean vs run
χ² / ndf 84.78 / 85
p0 −460.9 ± 2084
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 1117
Std Dev 1087
2
1
0
−1
−2

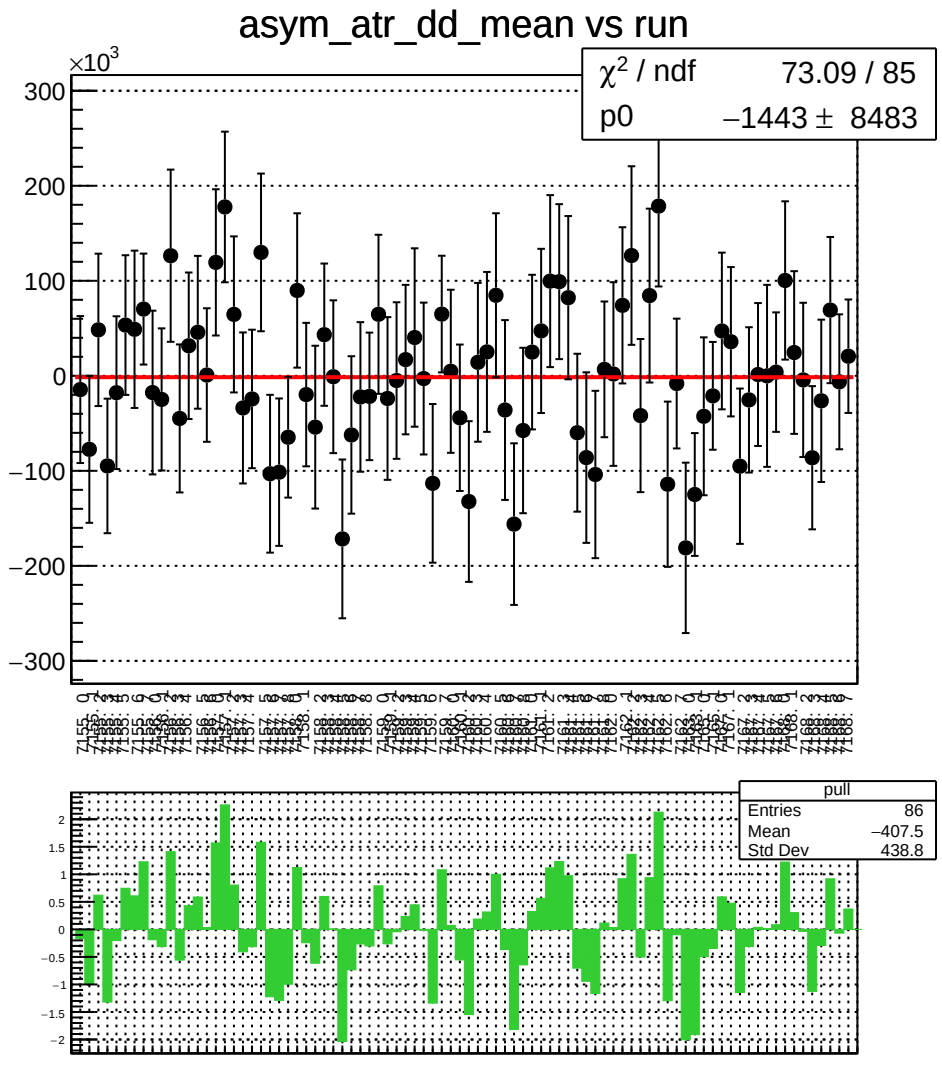

pull1D
Entries 86
Mean −0.004488
Std Dev 0.9929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

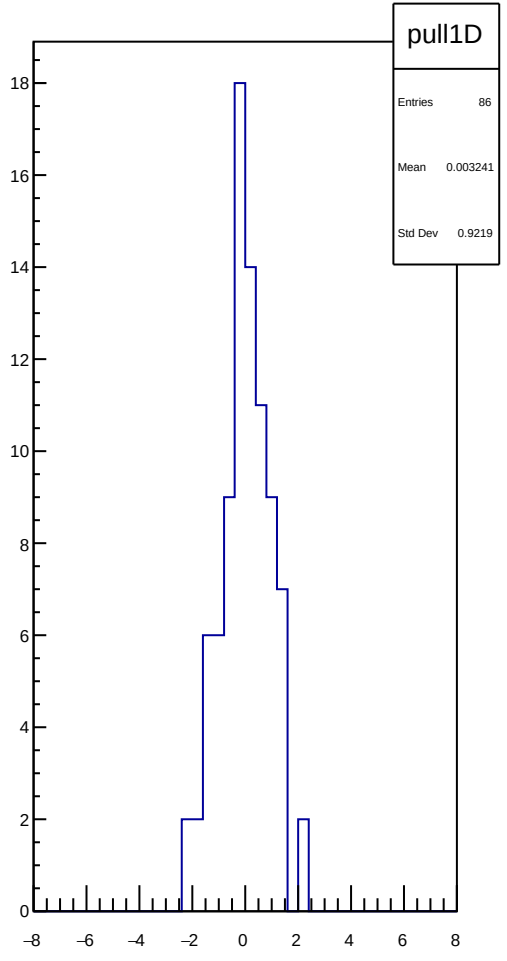

dit_asym_atr_dd_rms vs run
χ² / ndf 138 / 85
p0 1905 ± 1.474
1980
1960
1940
1920
1900
1880
1860

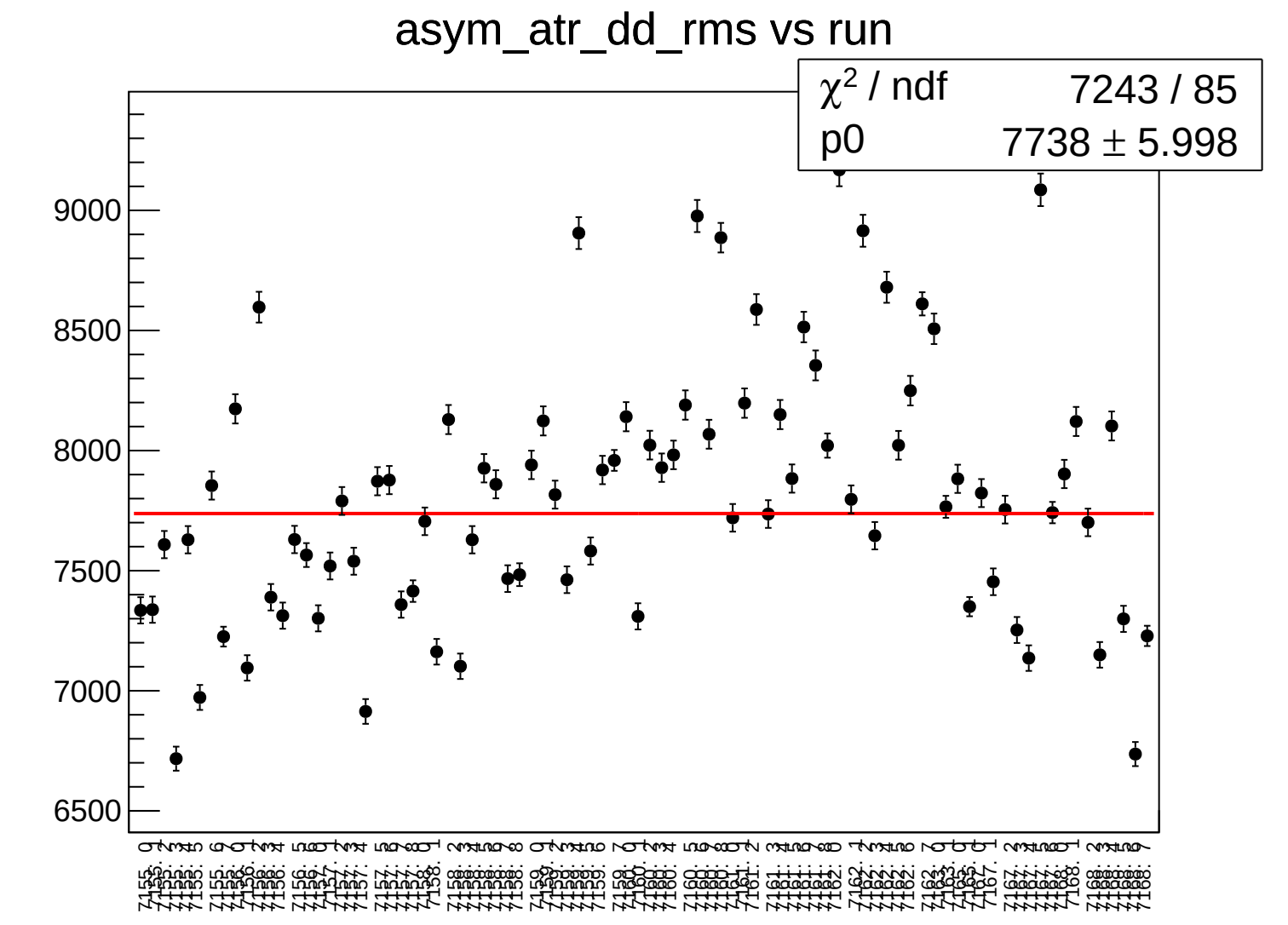

asym_atr_dd_correction_mean vs run
χ² / ndf 73.03 / 85
p0 1590 ± 8065
×10³
pull
Entries 86
Mean 8.157
Std Dev 25.87

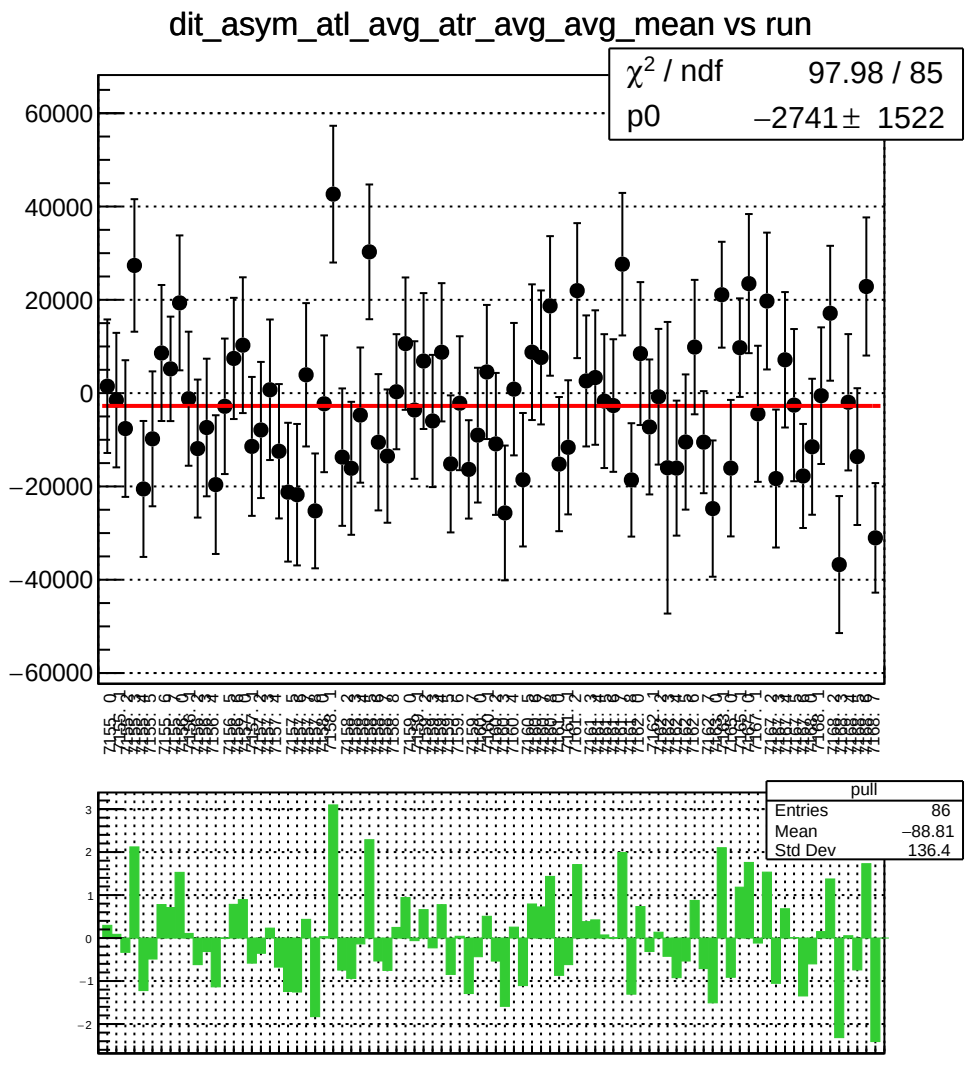

pull1D
Entries 86
Mean −0.008774
Std Dev 0.9215

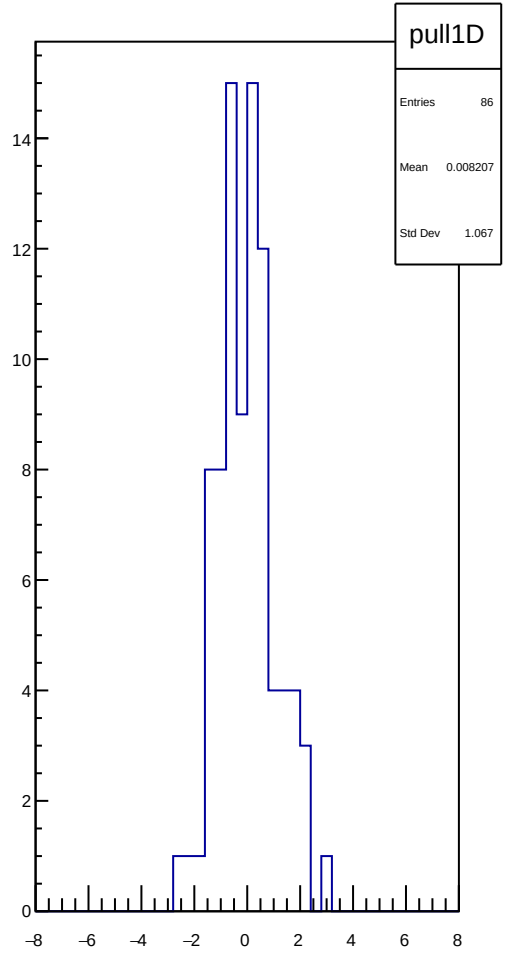

asym_atr_dd_correction_rms vs run
χ² / ndf 8277 / 85
p0 7355 ± 5.703
9000
8500
8000
7500
7000
6500
6000

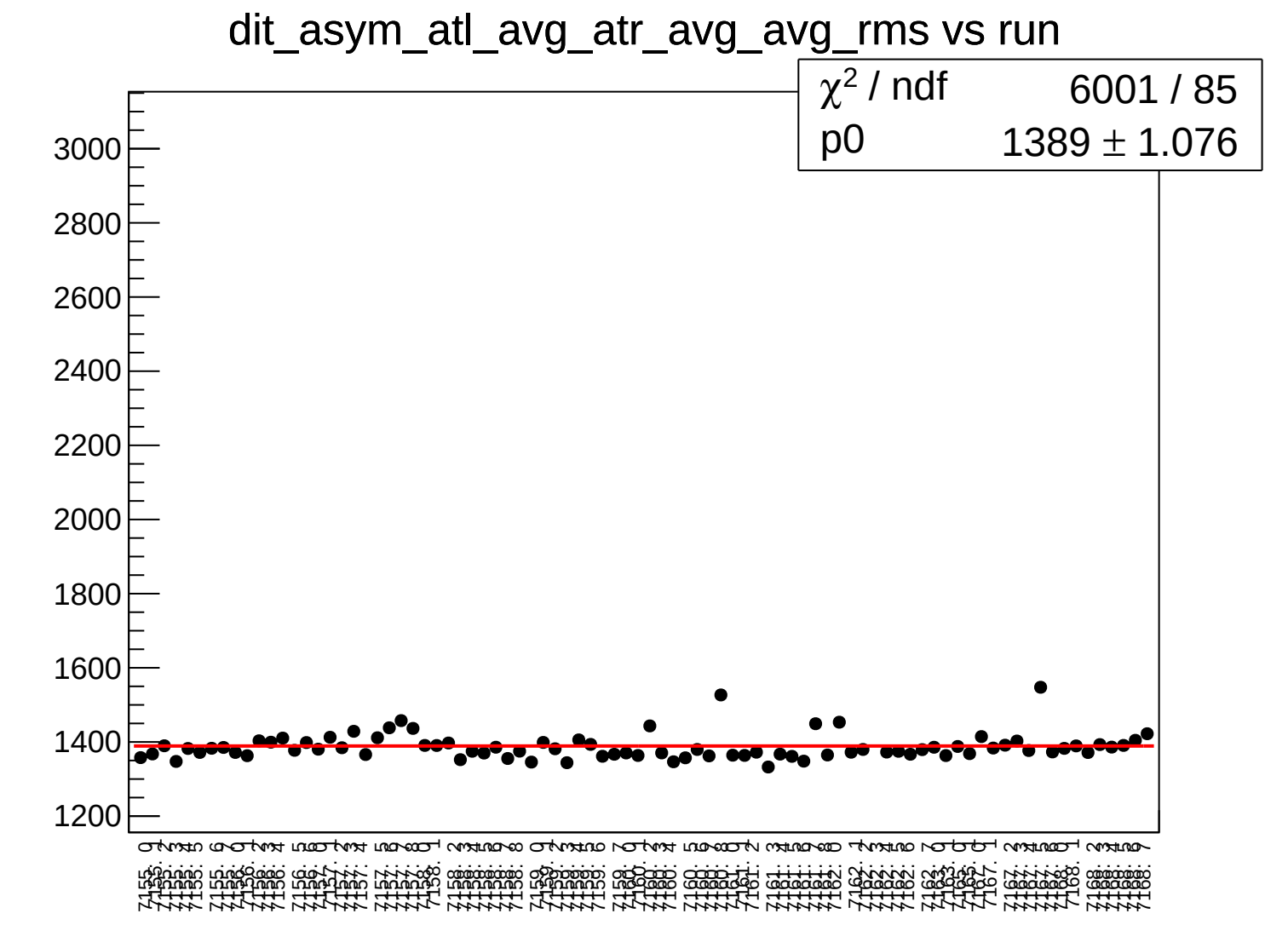

asym_atr_dd_mean vs run
×10^3
χ² / ndf 73.09 / 85
p0 −1443 ± 8483
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean −407.5
Std Dev 438.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

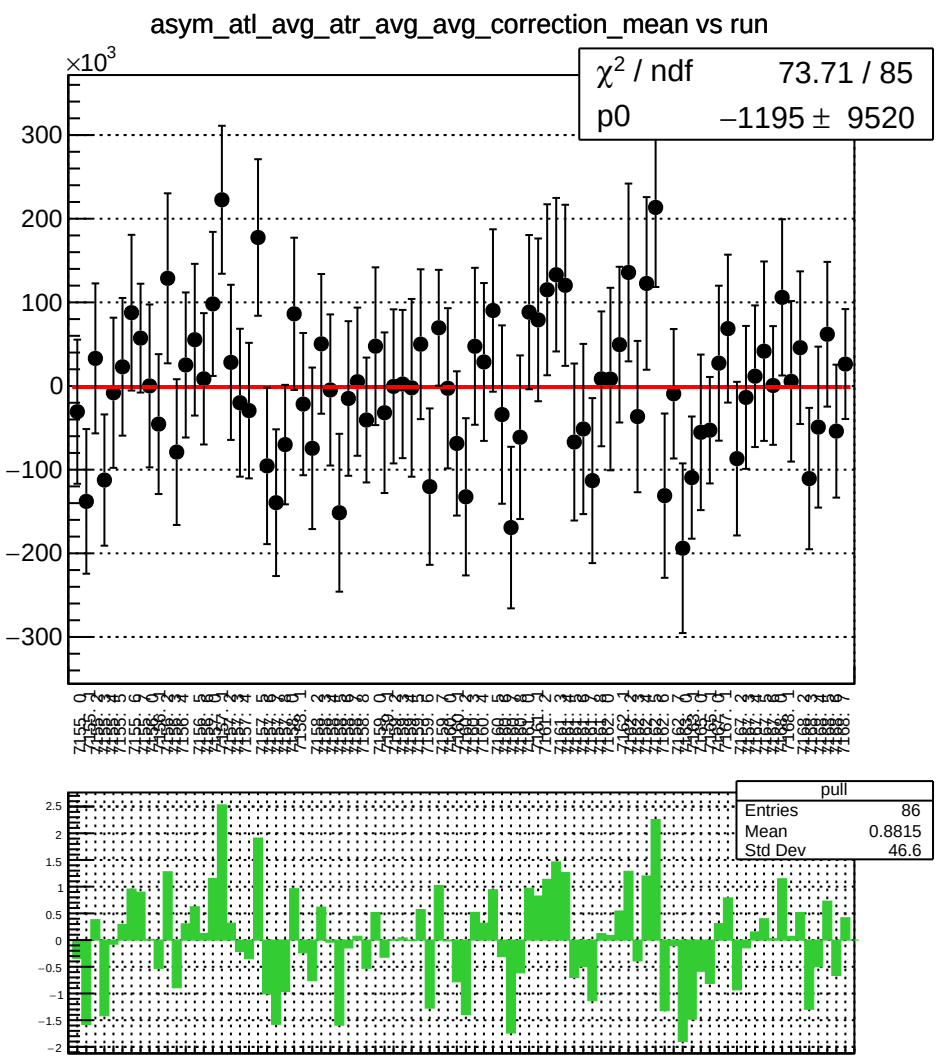

pull1D
Entries 86
Mean 0.003241
Std Dev 0.9219
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

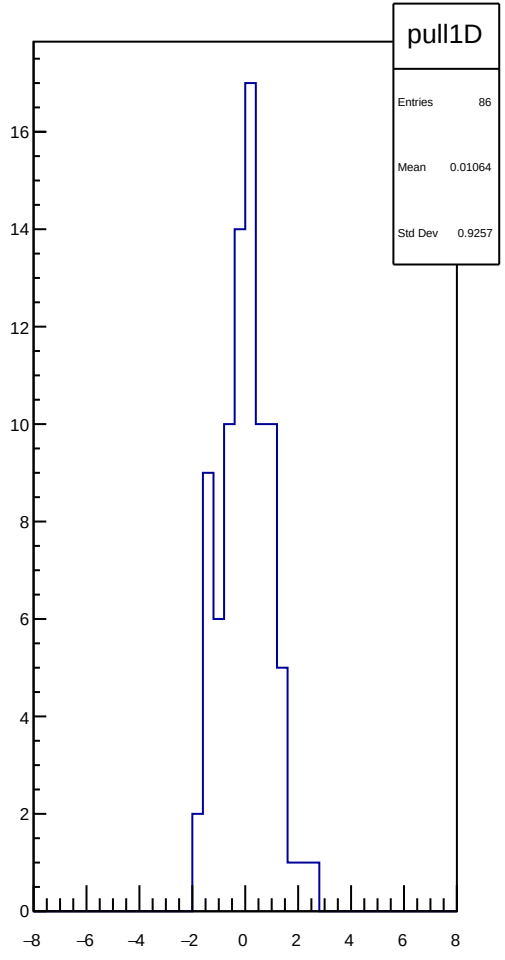

asym_atr_dd_rms vs run
χ^2 / ndf 7243 / 85
p0 7738 ± 5.998
9000
8500
8000
7500
7000
6500

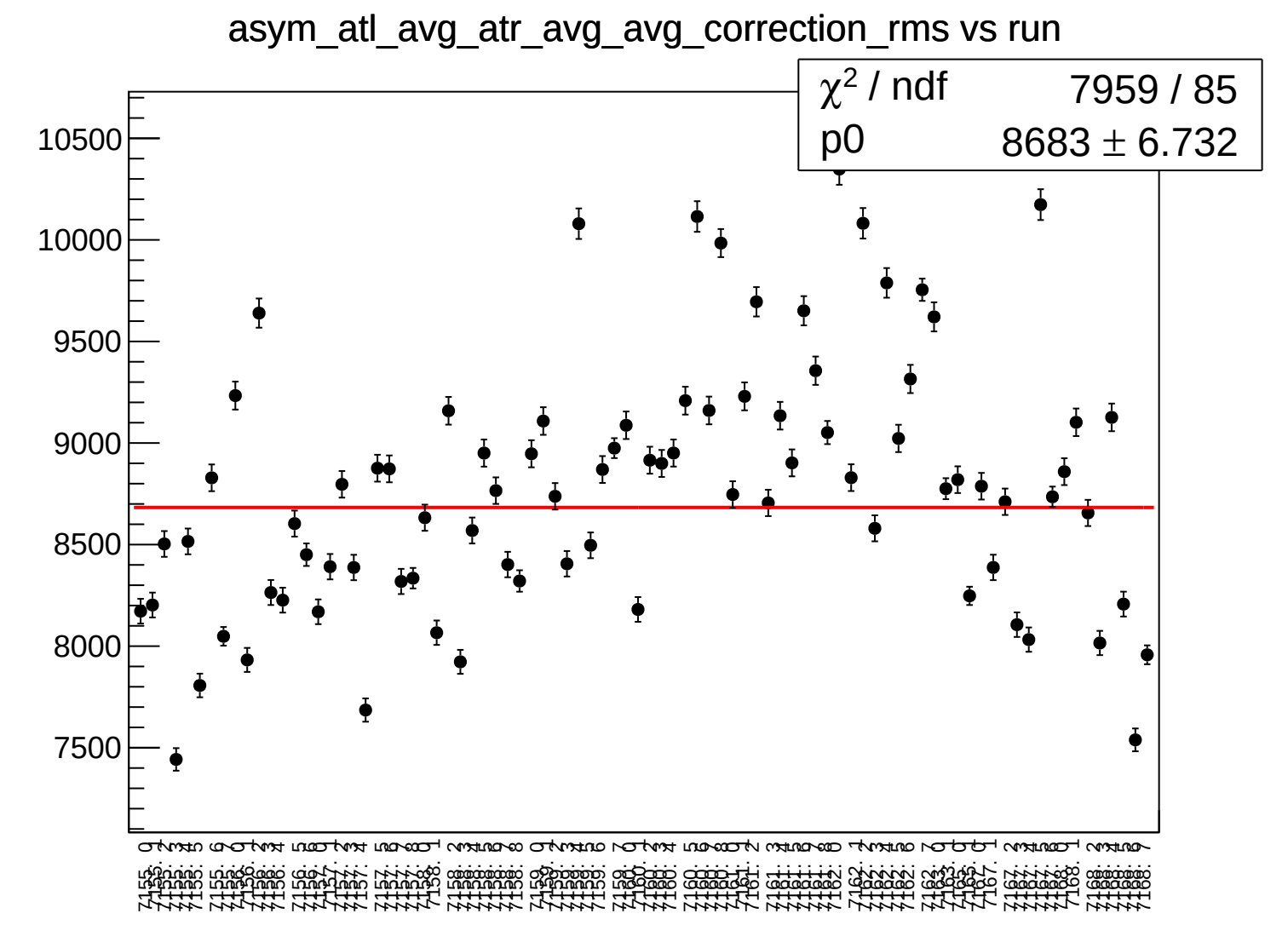

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 97.98 / 85
p0 −2741 ± 1522
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −88.81
Std Dev 136.4
3
2
1
0
−1
−2

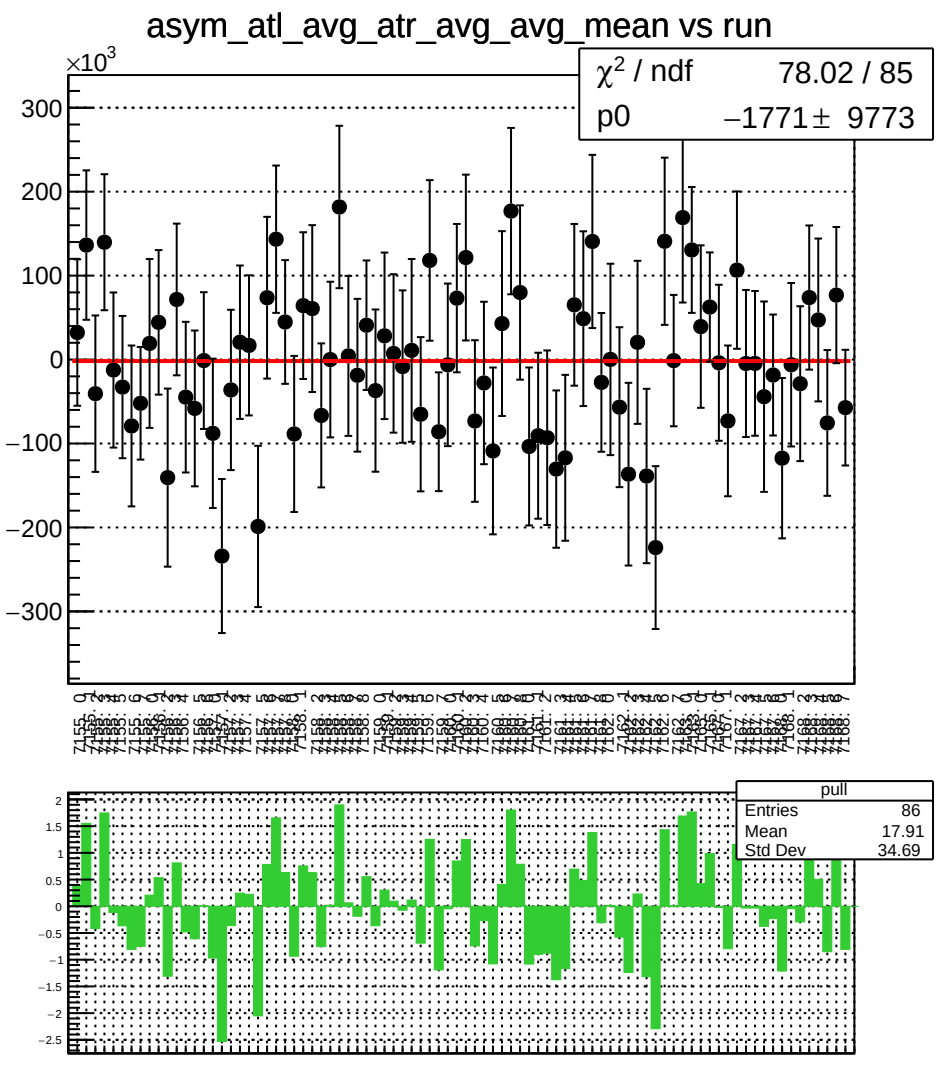

pull1D
Entries 86
Mean 0.008207
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

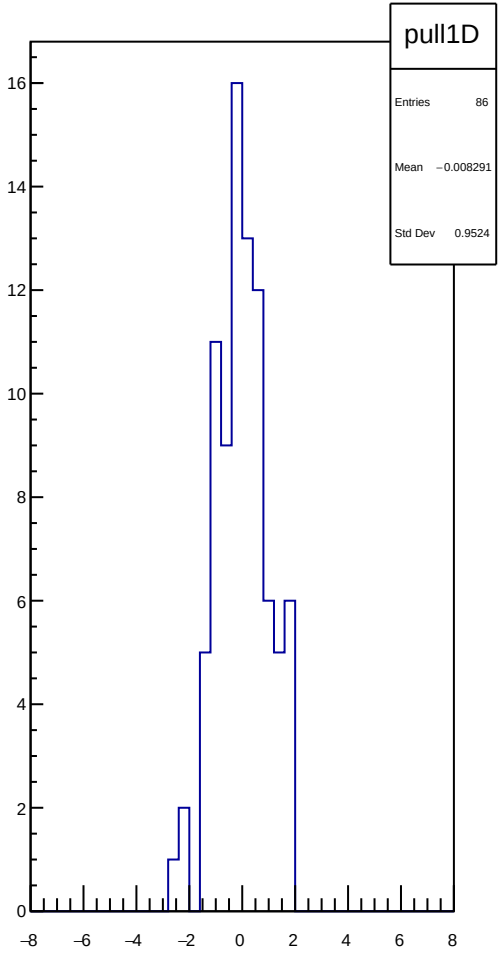

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6001 / 85
p0 1389 ± 1.076
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

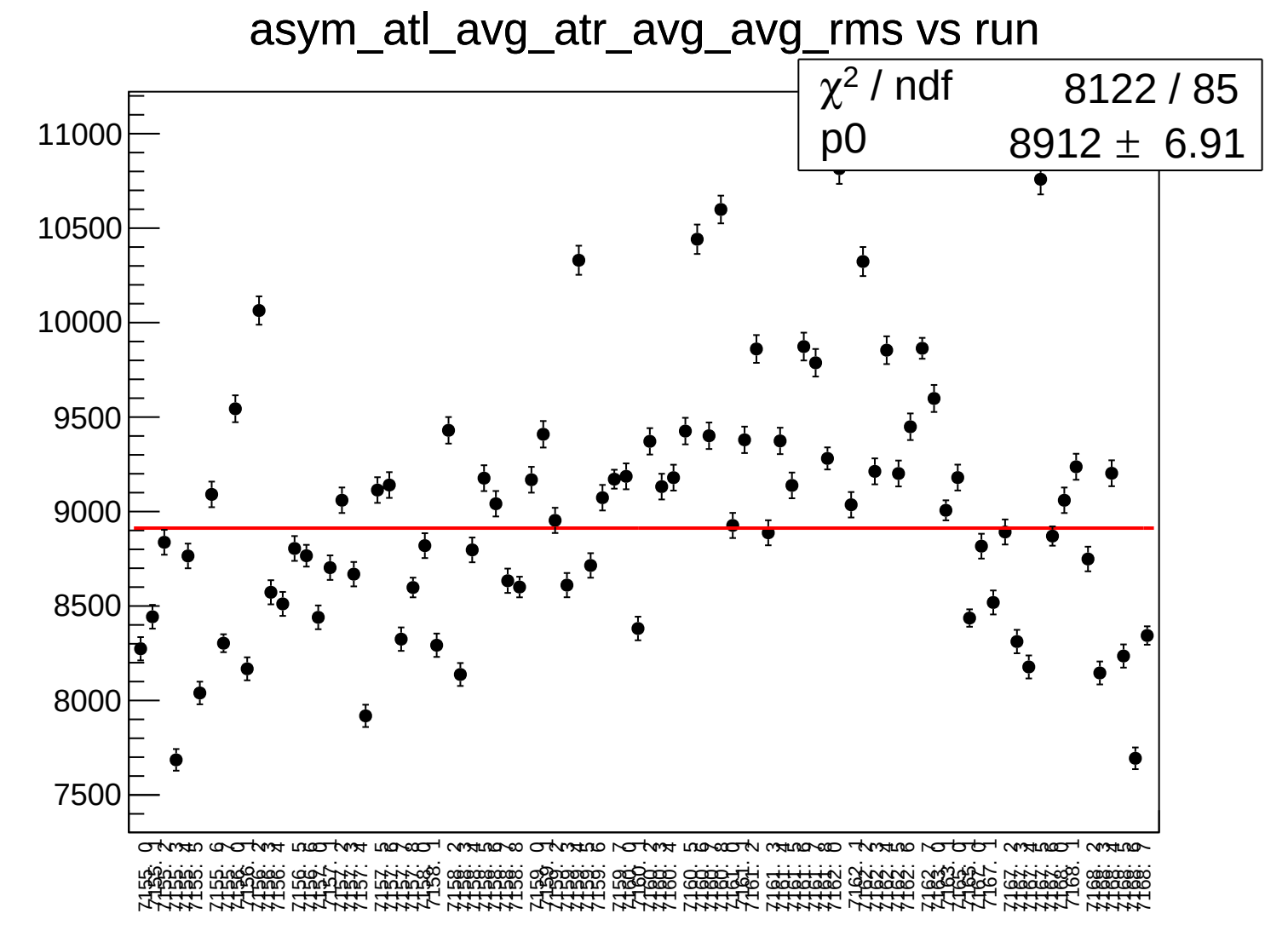

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 73.71 / 85
p0 −1195 ± 9520
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean 0.8815
Std Dev 46.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

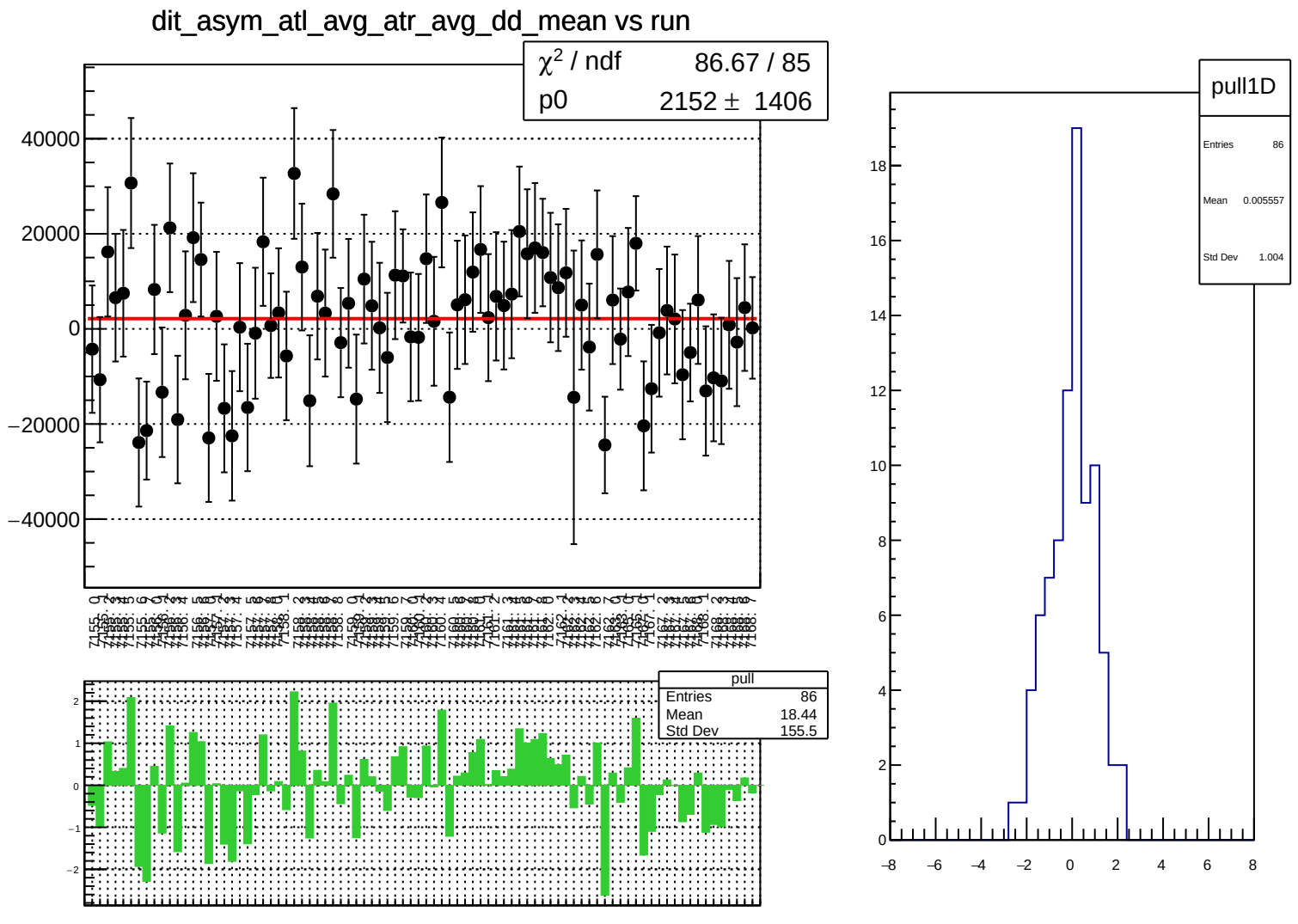

pull1D
Entries 86
Mean 0.01064
Std Dev 0.9257
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

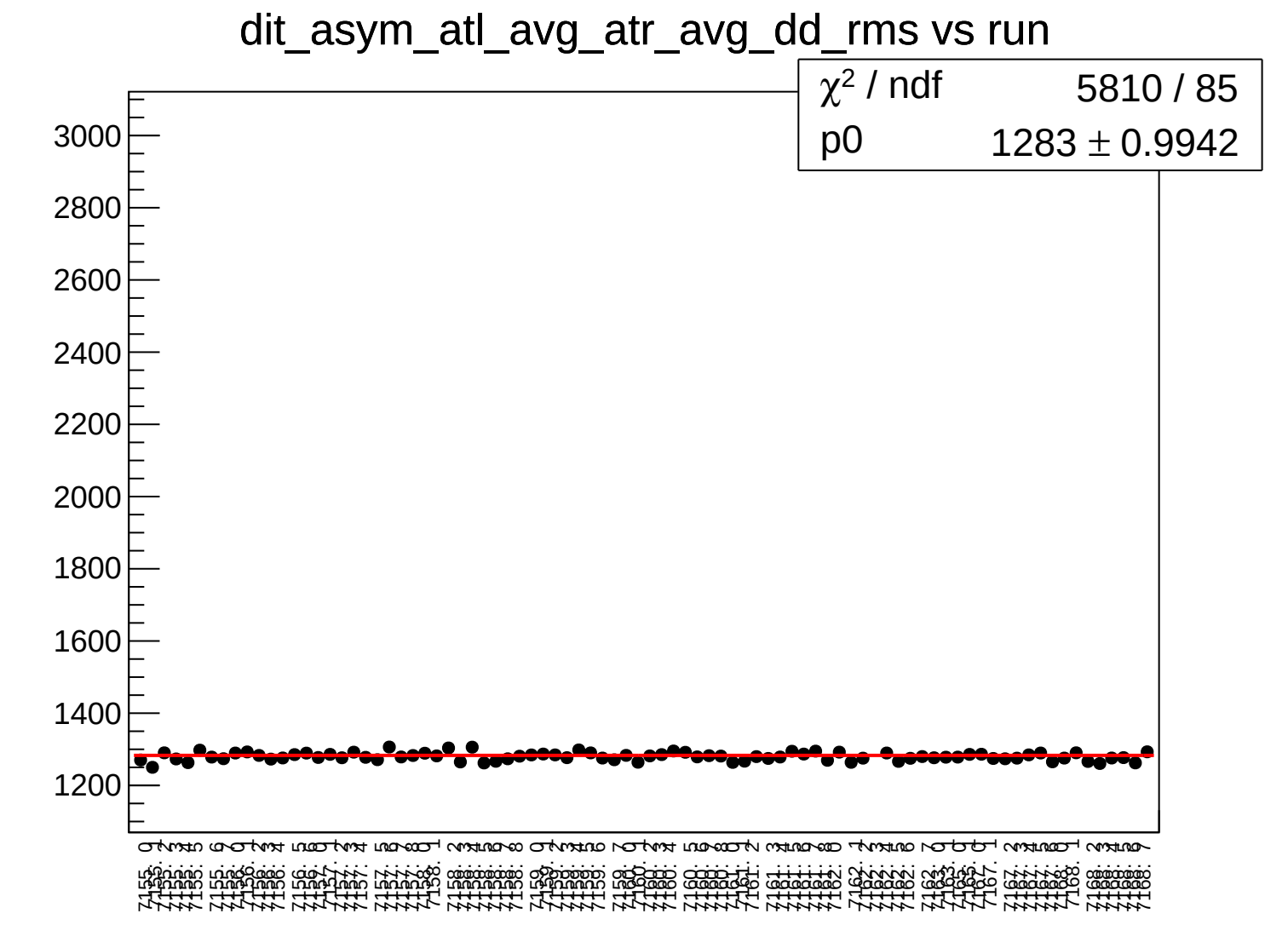

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 7959 / 85
p0 8683 ± 6.732
10500
10000
9500
9000
8500
8000
7500

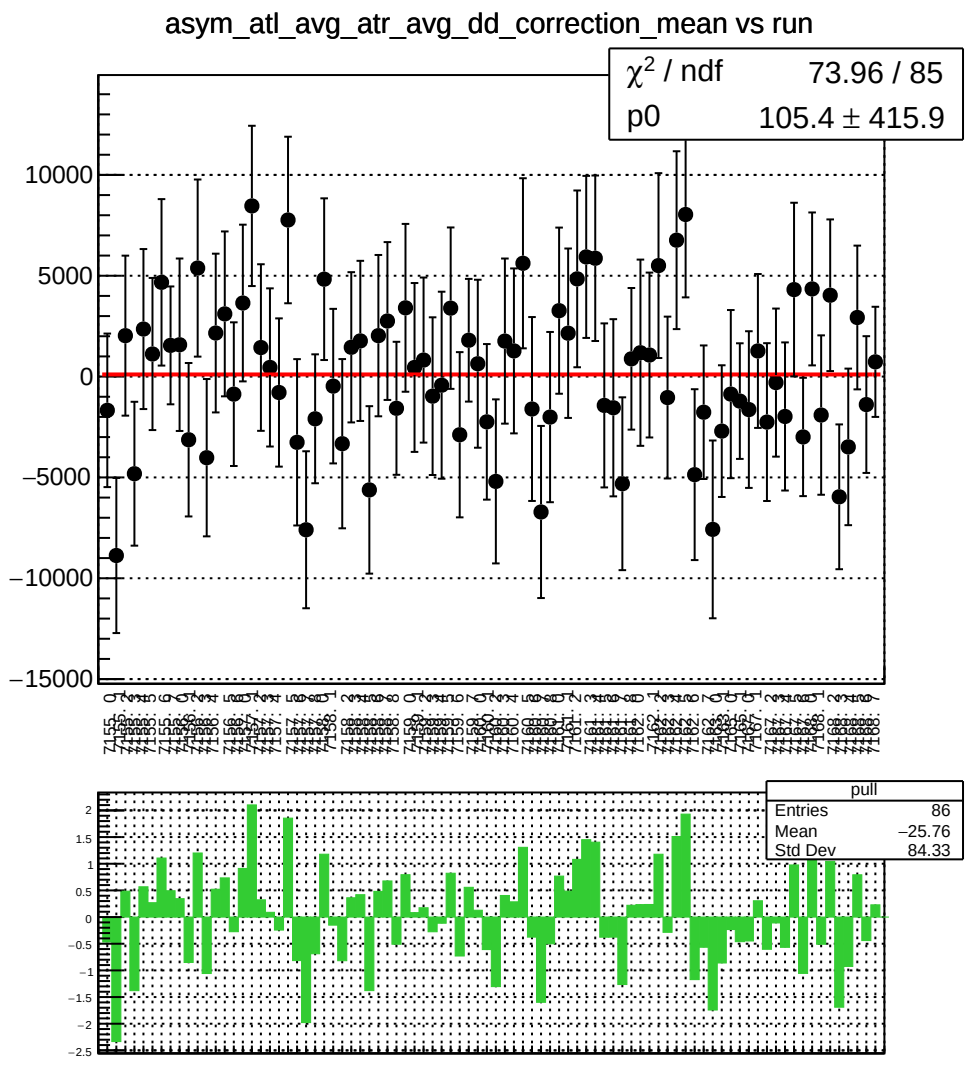

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 78.02 / 85
p0 −1771 ± 9773
pull
Entries 86
Mean 17.91
Std Dev 34.69

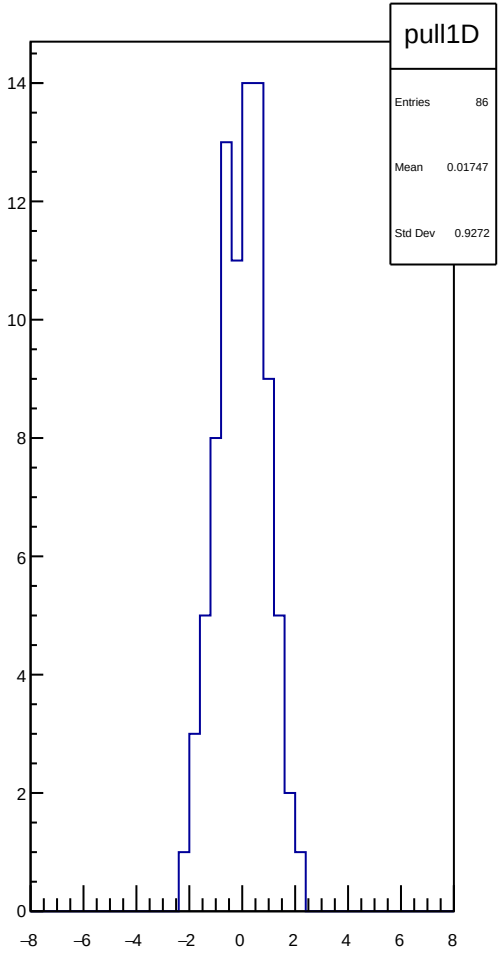

pull1D
Entries 86
Mean −0.008291
Std Dev 0.9524

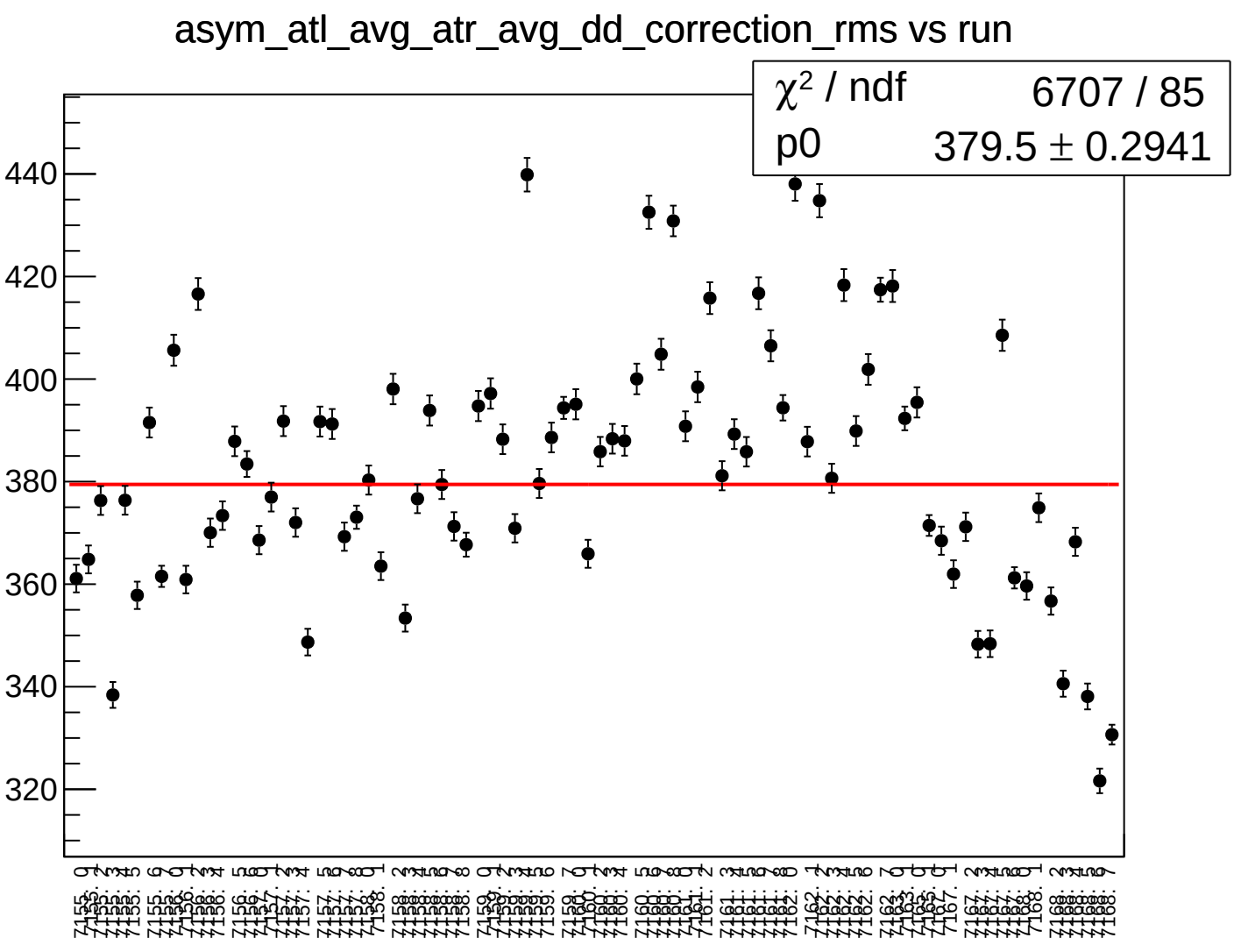

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8122 / 85
p0 8912 ± 6.91
11000
10500
10000
9500
9000
8500
8000
7500

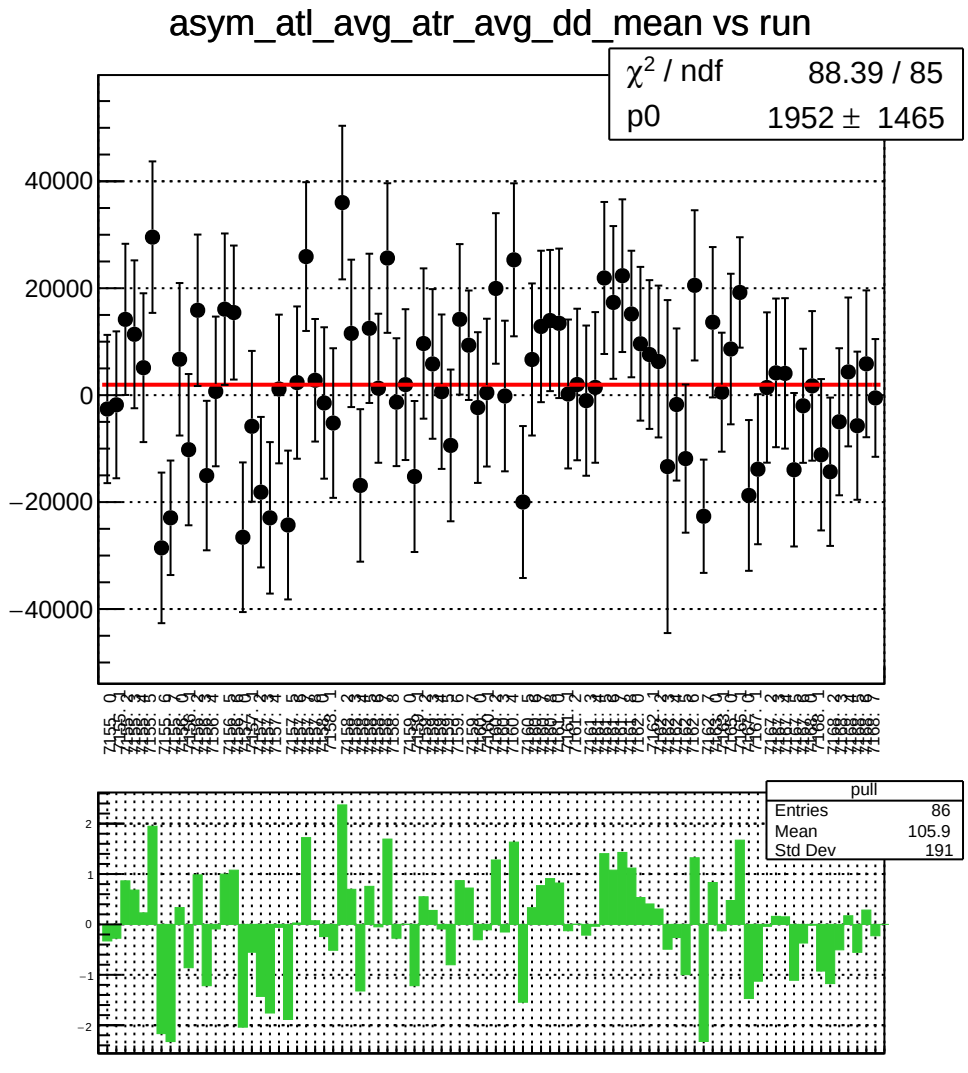

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 86.67 / 85
p0 2152 ± 1406
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 18.44
Std Dev 155.5
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.005557
Std Dev 1.004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

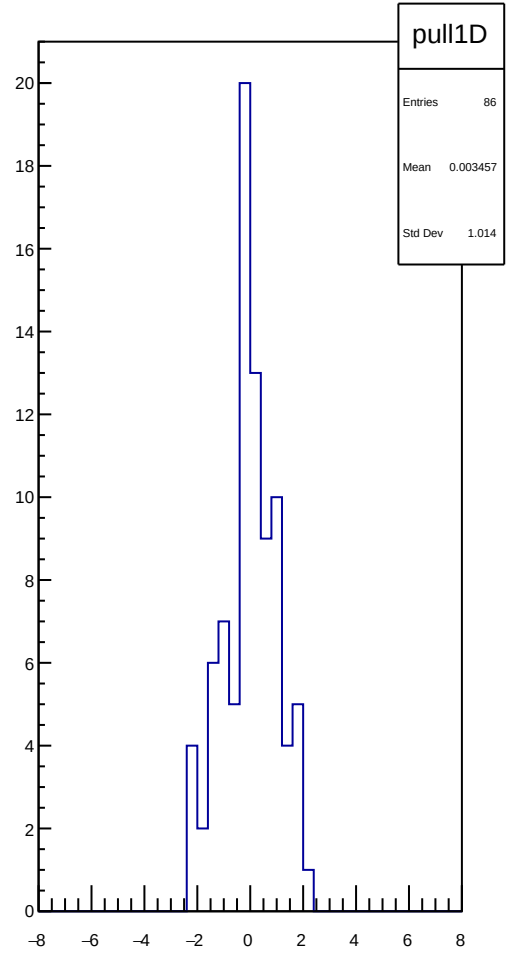

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5810 / 85
p0 1283 ± 0.9942
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

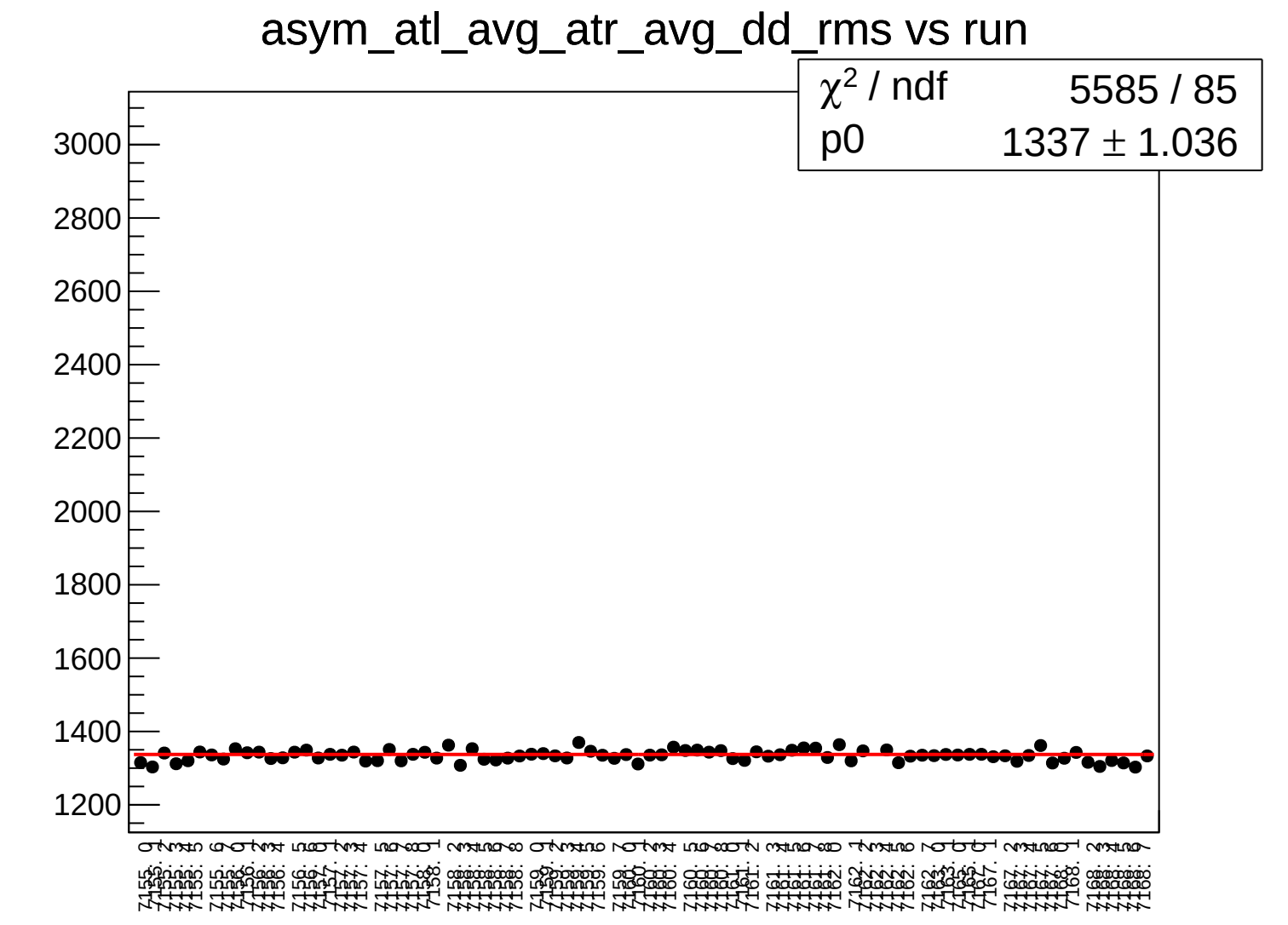

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 73.96 / 85
p0 105.4 ± 415.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −25.76
Std Dev 84.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

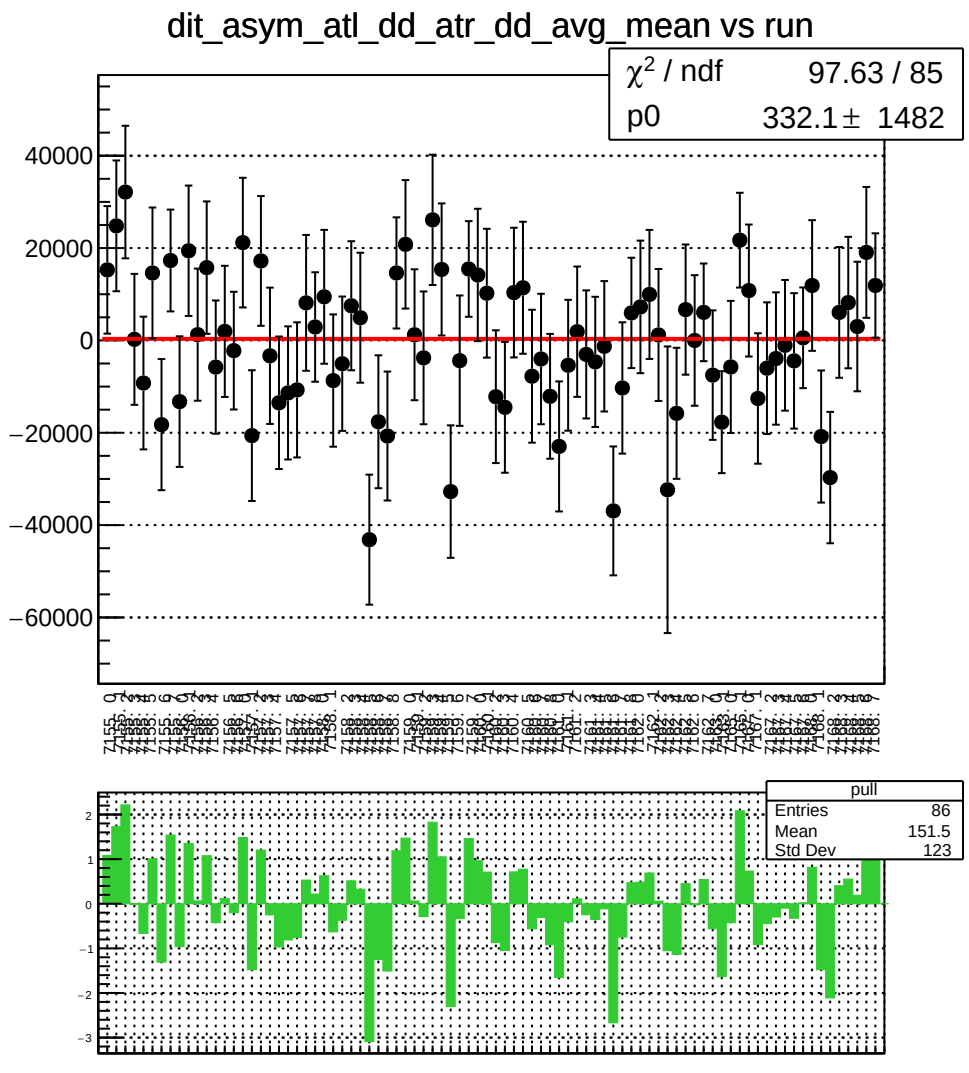

pull1D
Entries 86
Mean 0.01747
Std Dev 0.9272
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

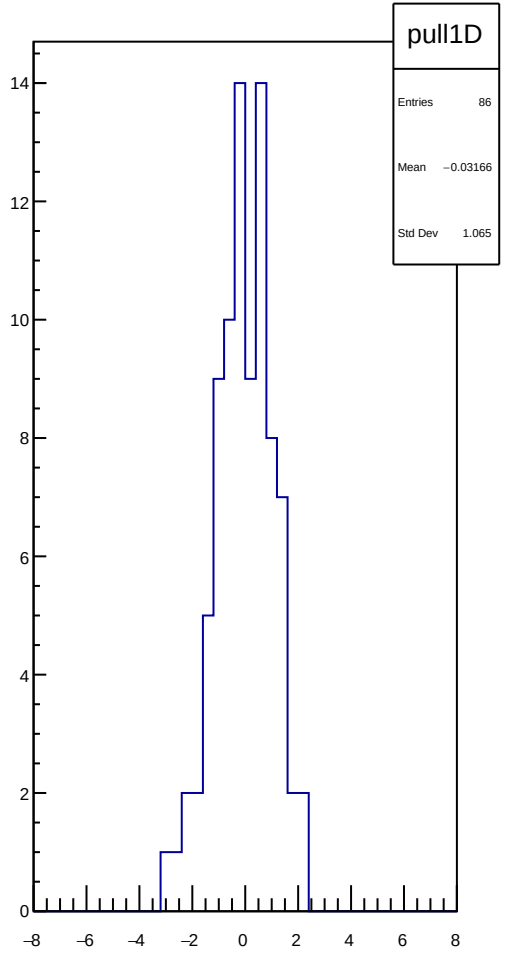

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 6707 / 85
p0 379.5 ± 0.2941
440
420
400
380
360
340
320

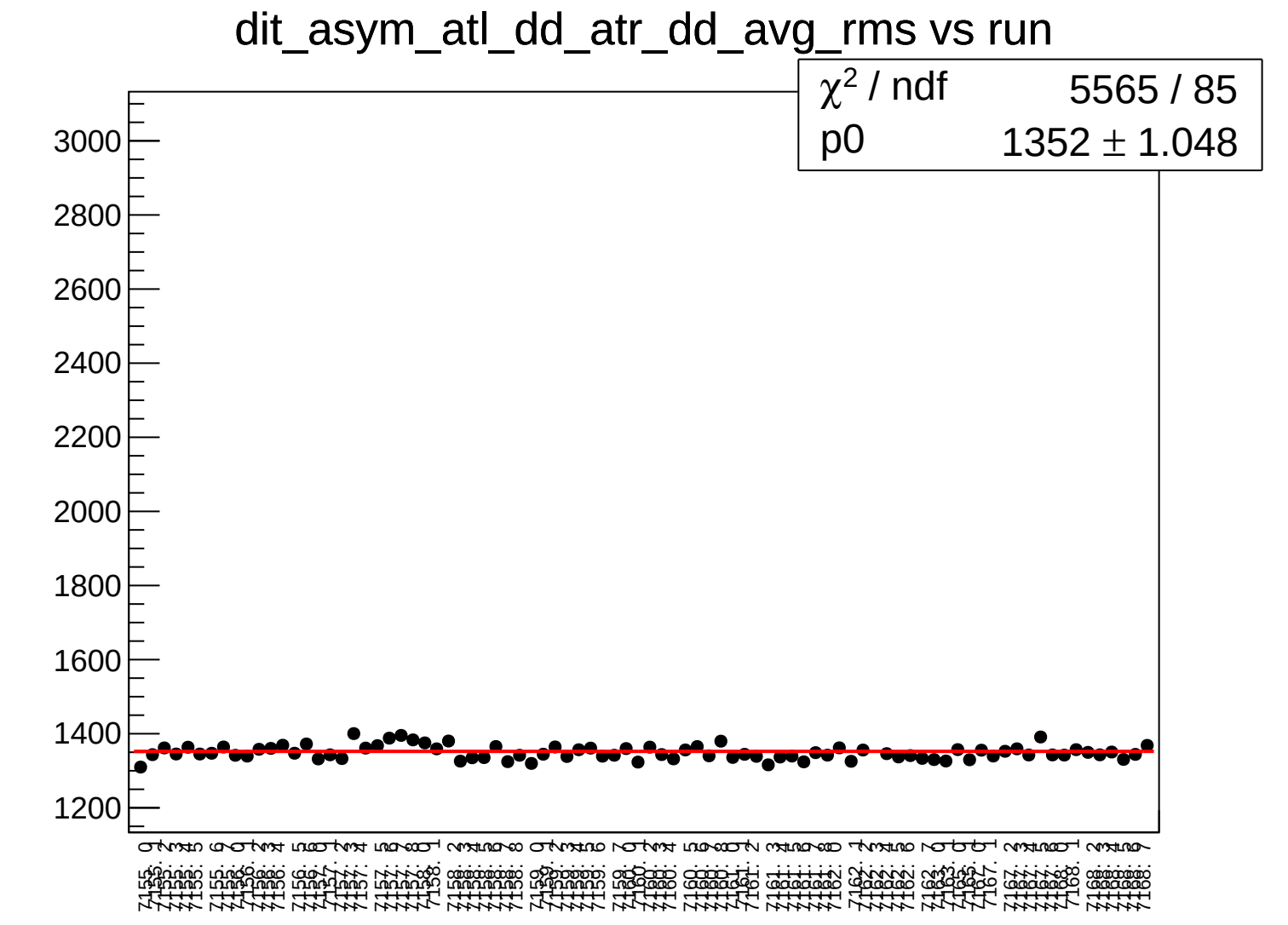

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 88.39 / 85
p0 1952 ± 1465
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 105.9
Std Dev 191
2
1
0
−1
−2

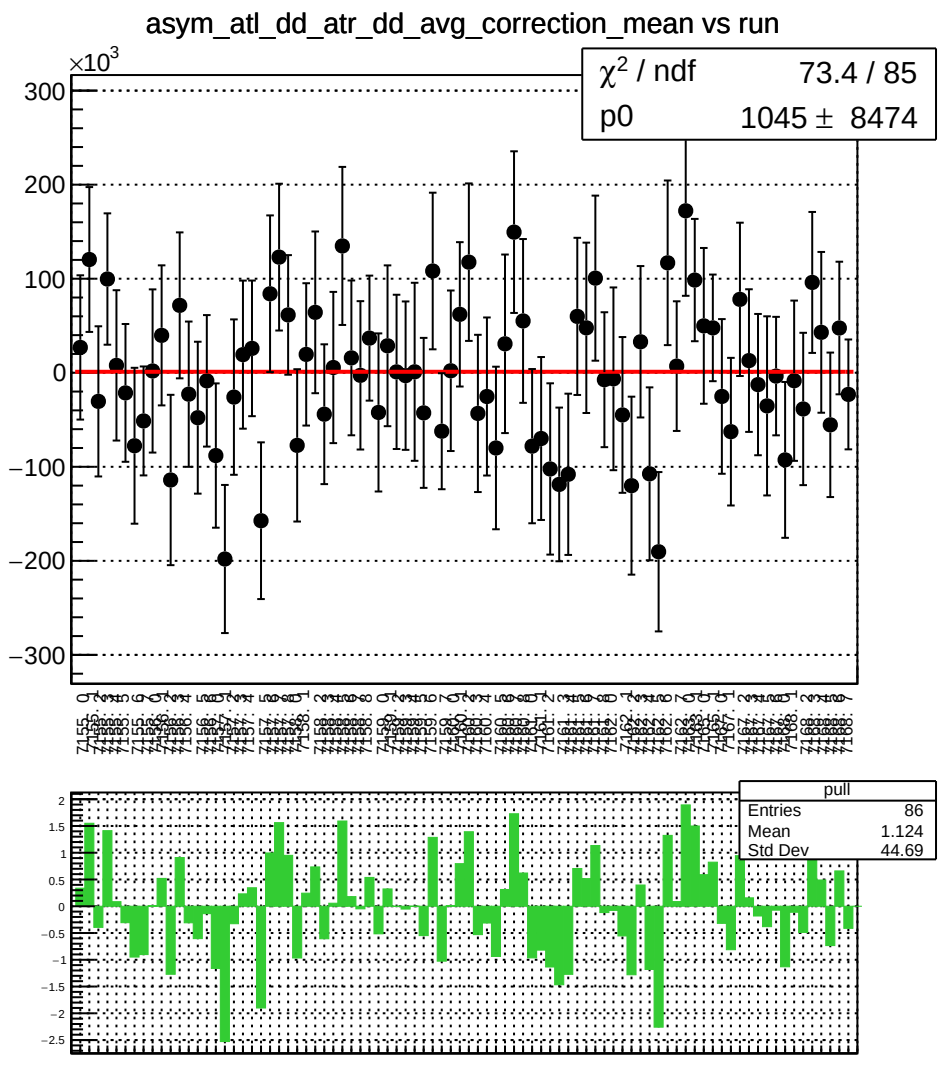

pull1D
Entries 86
Mean 0.003457
Std Dev 1.014
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

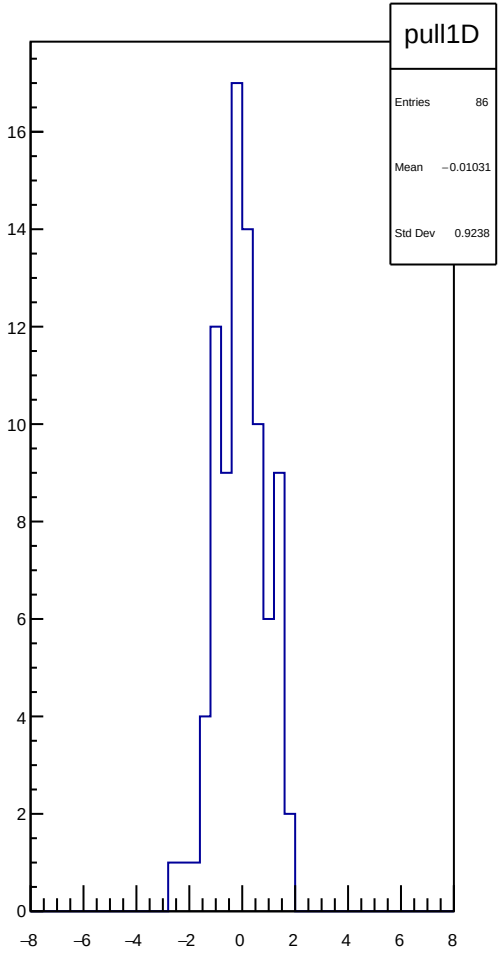

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5585 / 85
p0 1337 ± 1.036
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

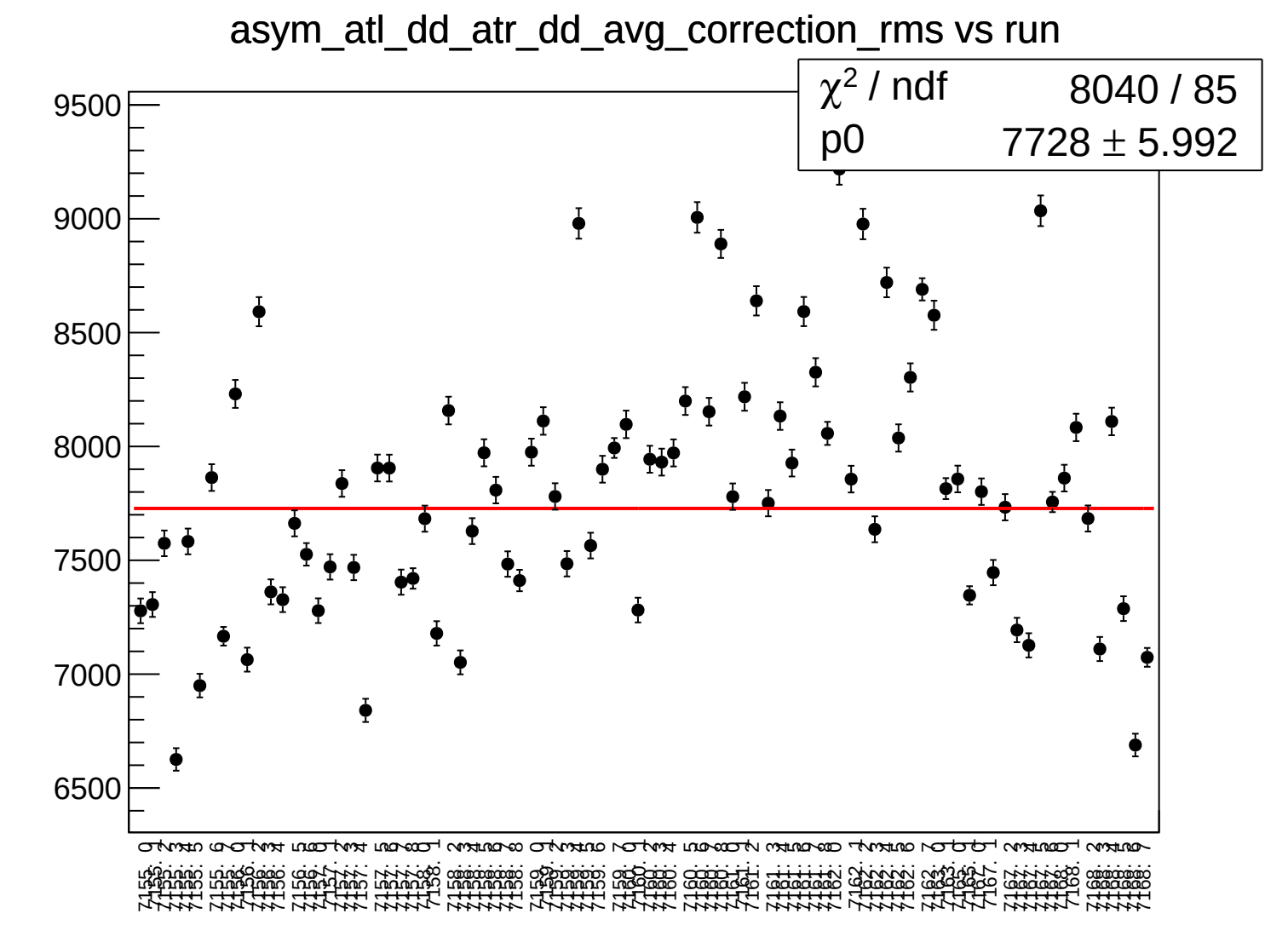

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 97.63 / 85
p0 332.1 ± 1482
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 151.5
Std Dev 123
2
1
0
−1
−2
−3

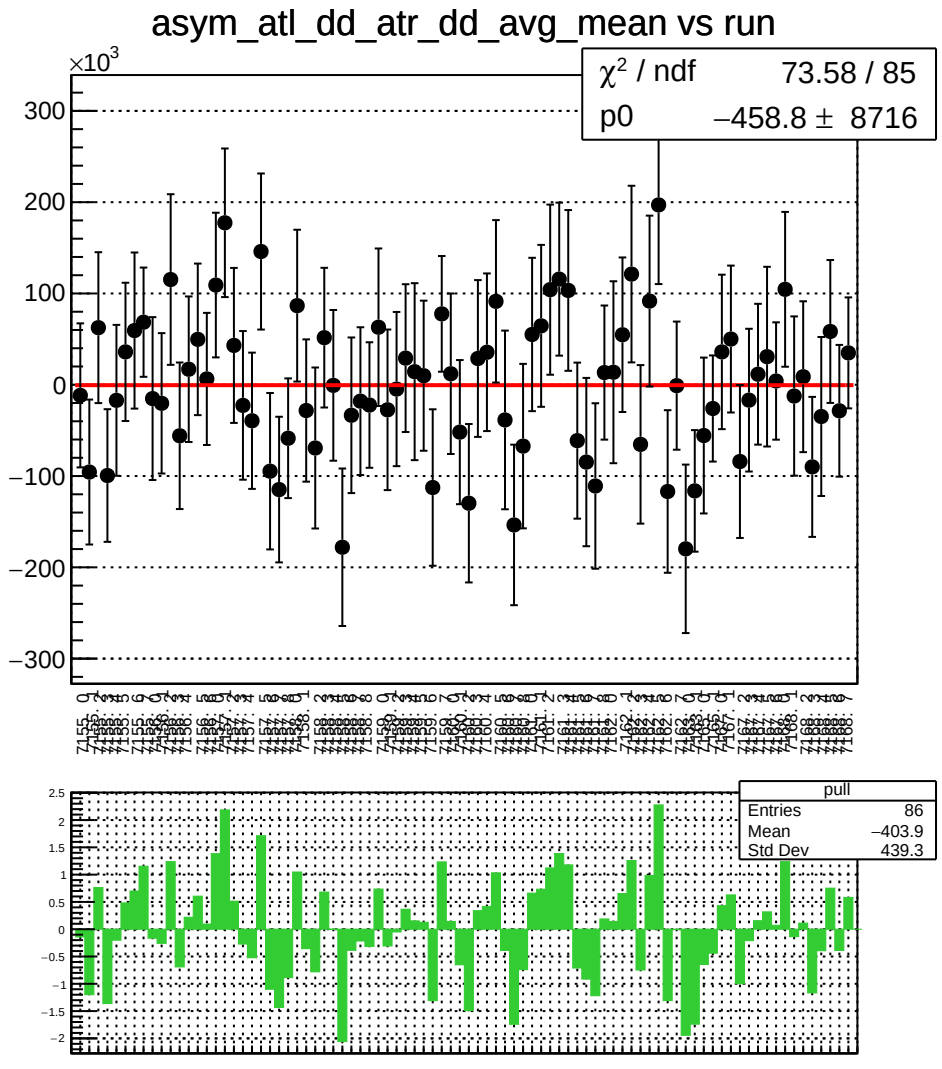

pull1D
Entries 86
Mean −0.03166
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

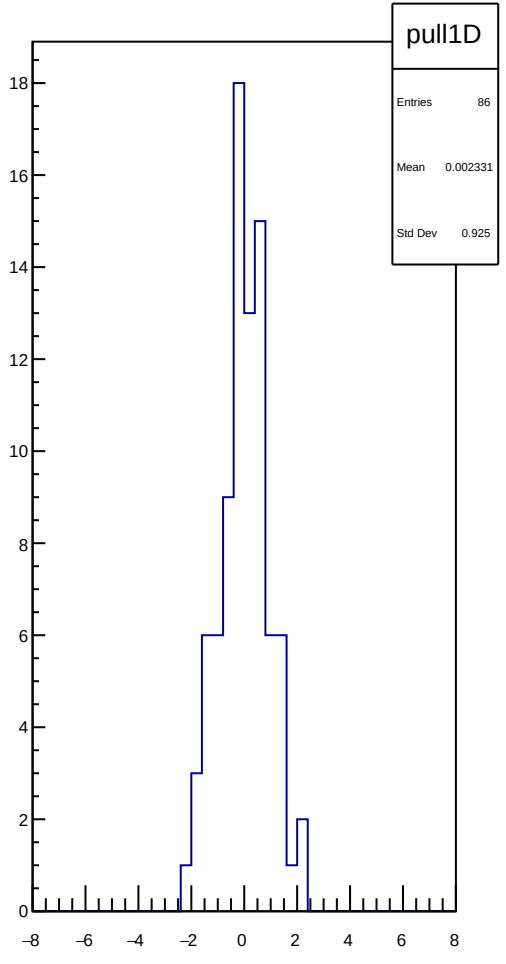

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5565 / 85
p0 1352 ± 1.048
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

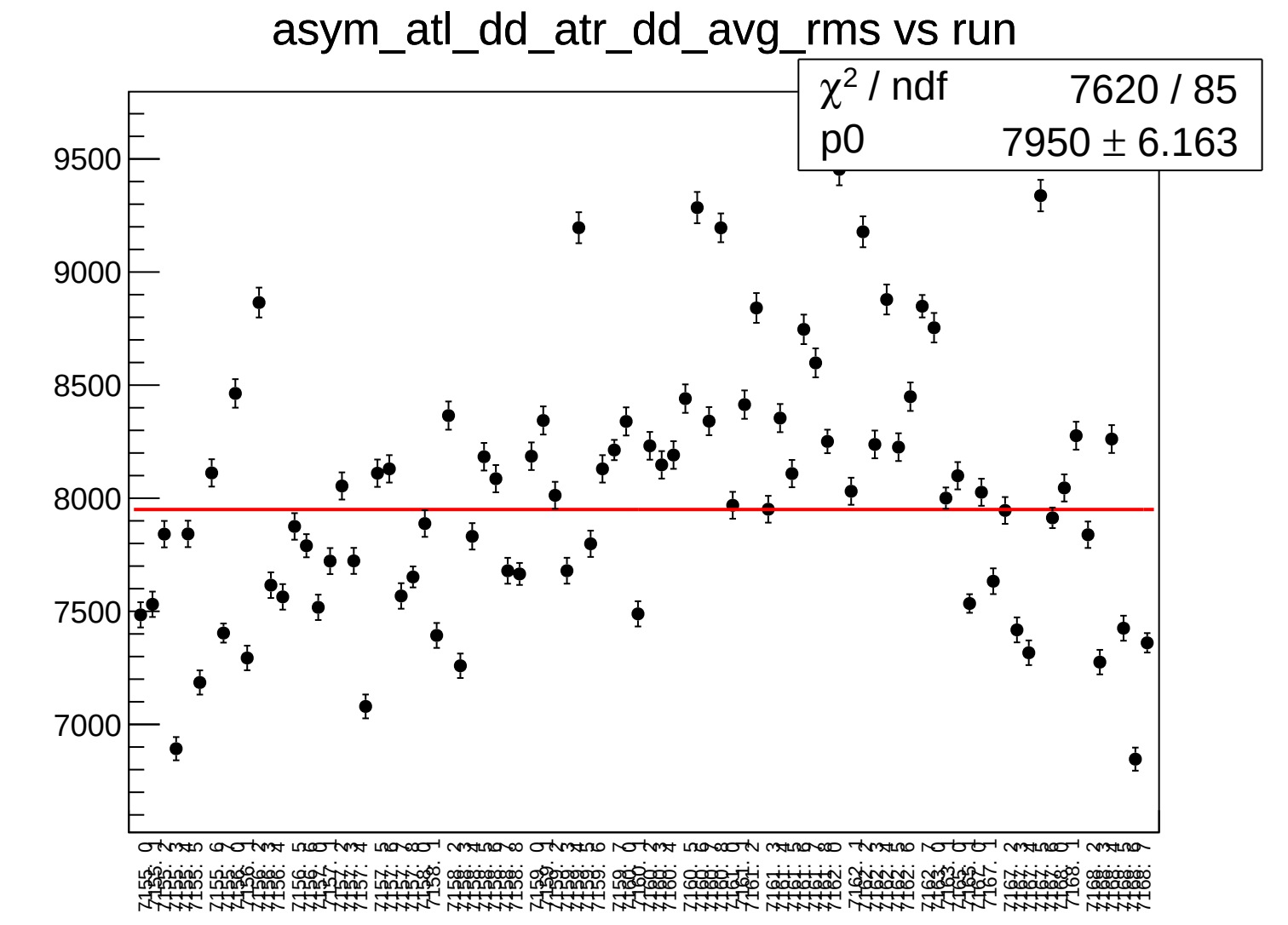

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 73.4 / 85
p0 1045 ± 8474
pull
Entries 86
Mean 1.124
Std Dev 44.69

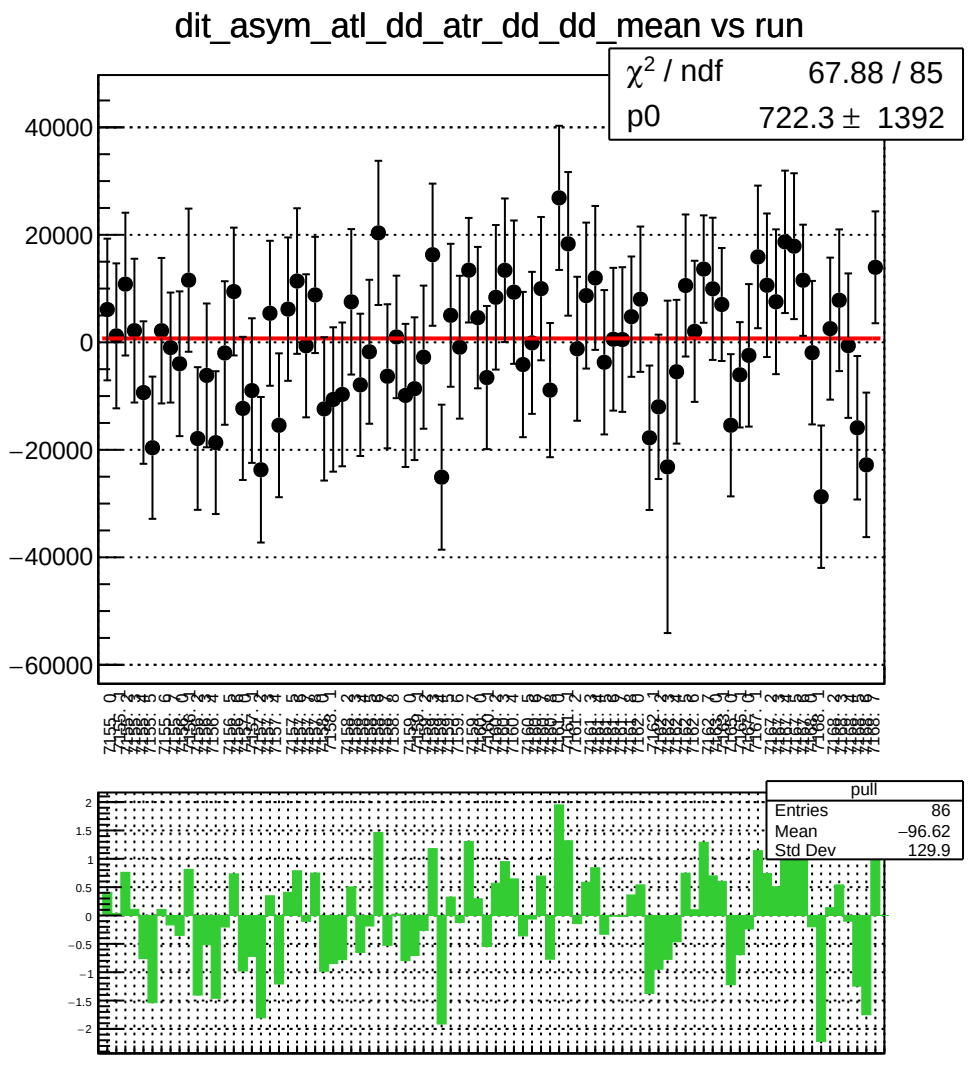

pull1D
Entries 86
Mean −0.01031
Std Dev 0.9238

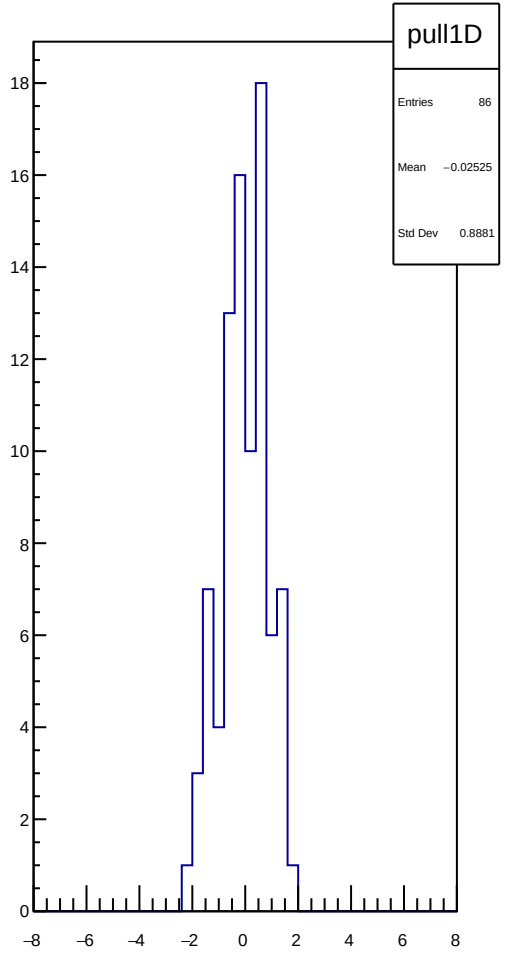

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 8040 / 85
p0 7728 ± 5.992
9500
9000
8500
8000
7500
7000
6500

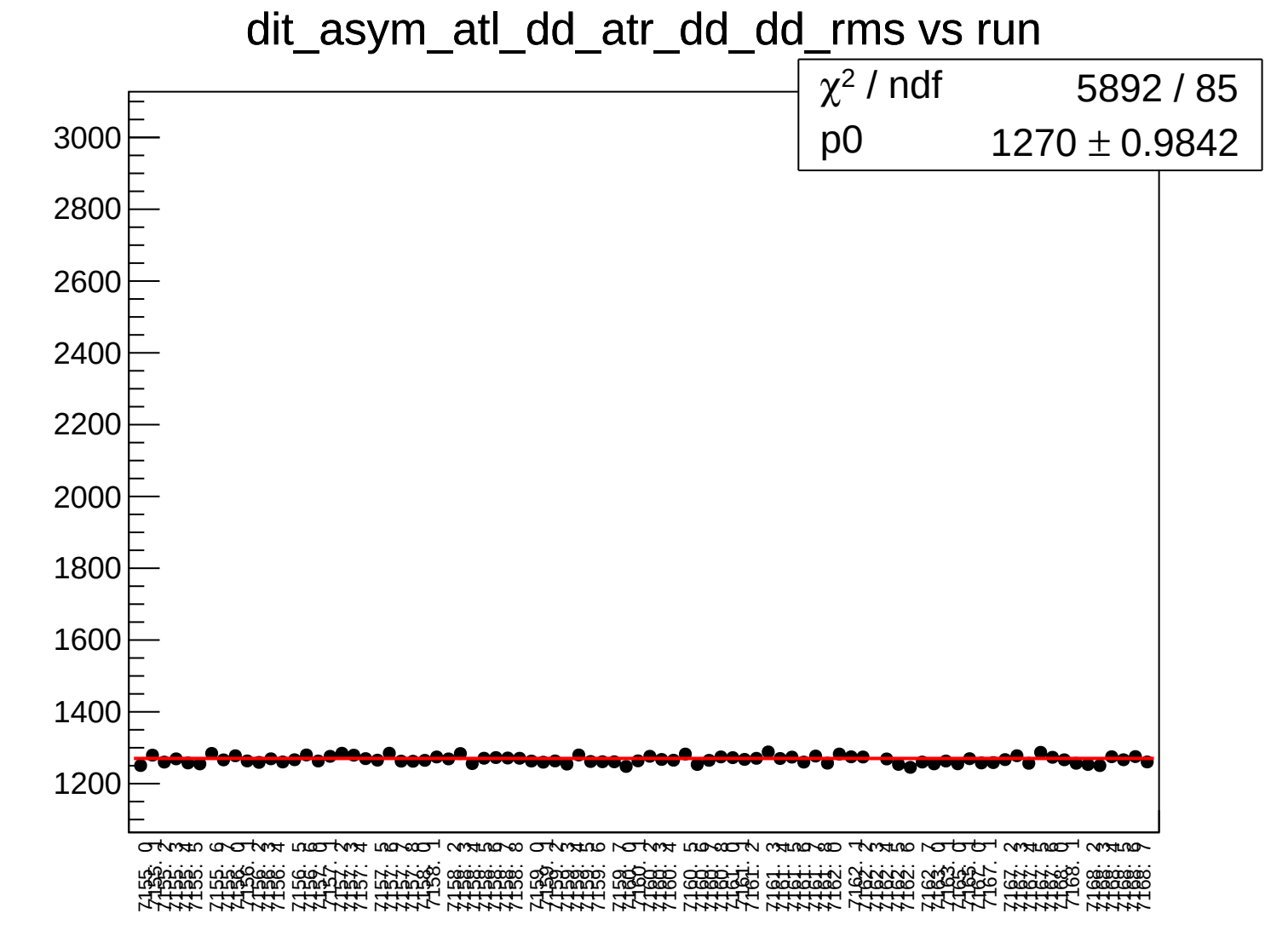

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 73.58 / 85
p0 −458.8 ± 8716
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean −403.9
Std Dev 439.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

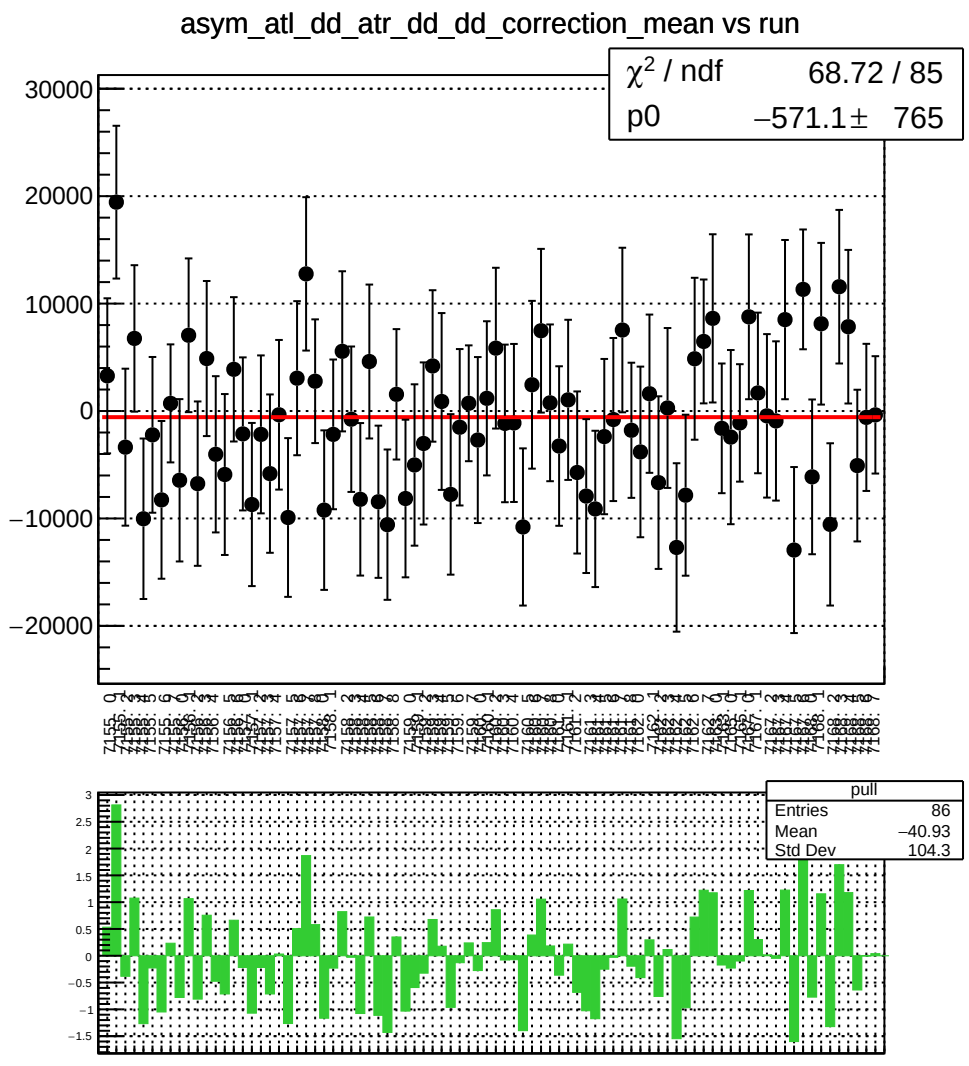

pull1D
Entries 86
Mean 0.002331
Std Dev 0.925
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

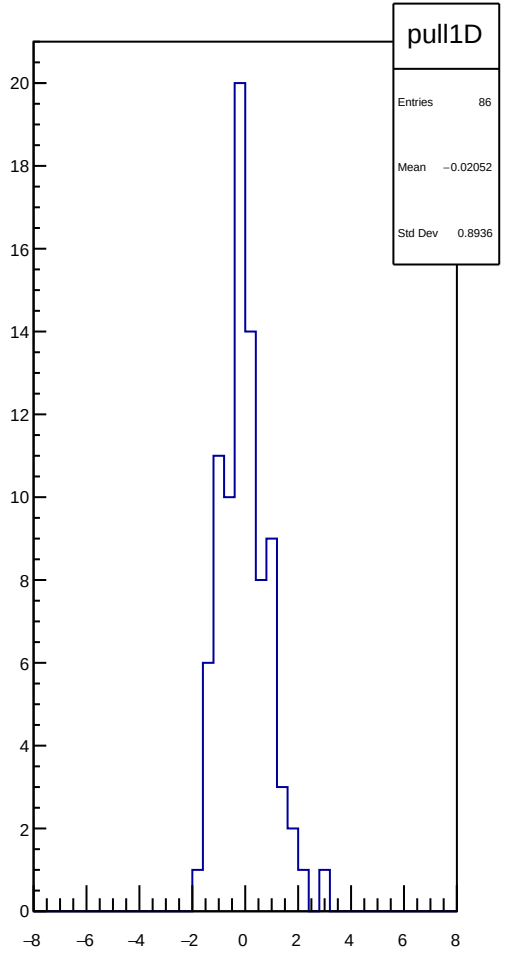

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 7620 / 85
p0 7950 ± 6.163
9500
9000
8500
8000
7500
7000

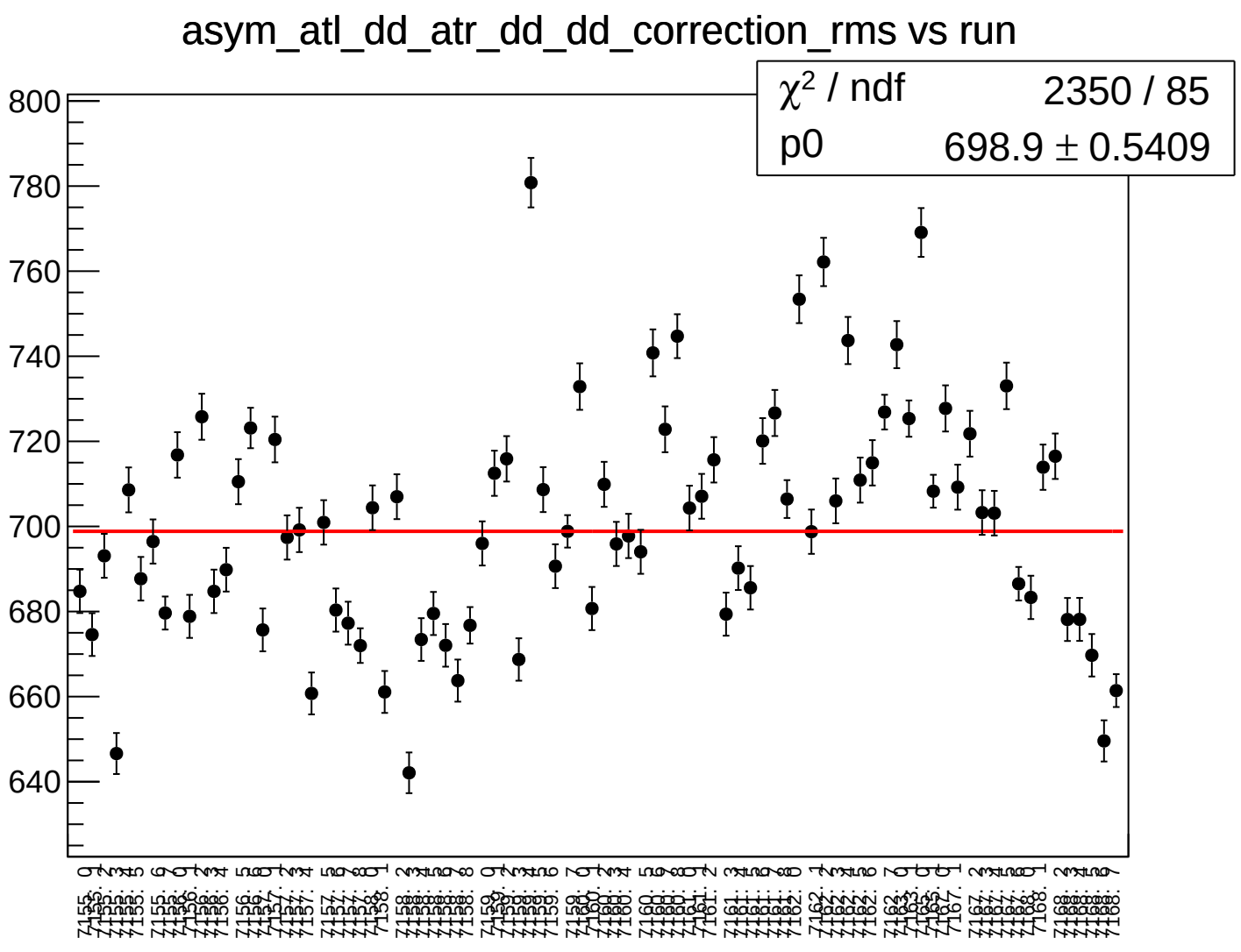

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 67.88 / 85
p0 722.3 ± 1392
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −96.62
Std Dev 129.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

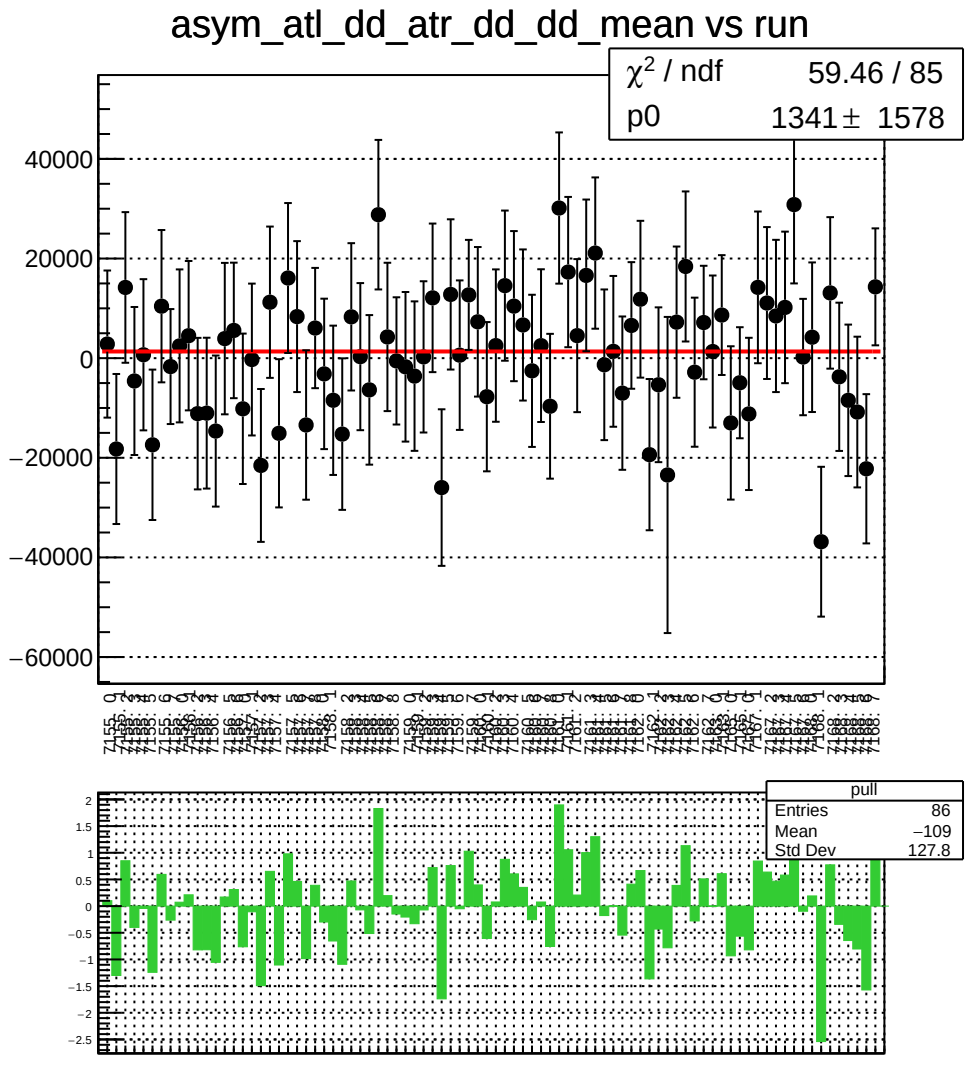

pull1D
Entries 86
Mean −0.02525
Std Dev 0.8881
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

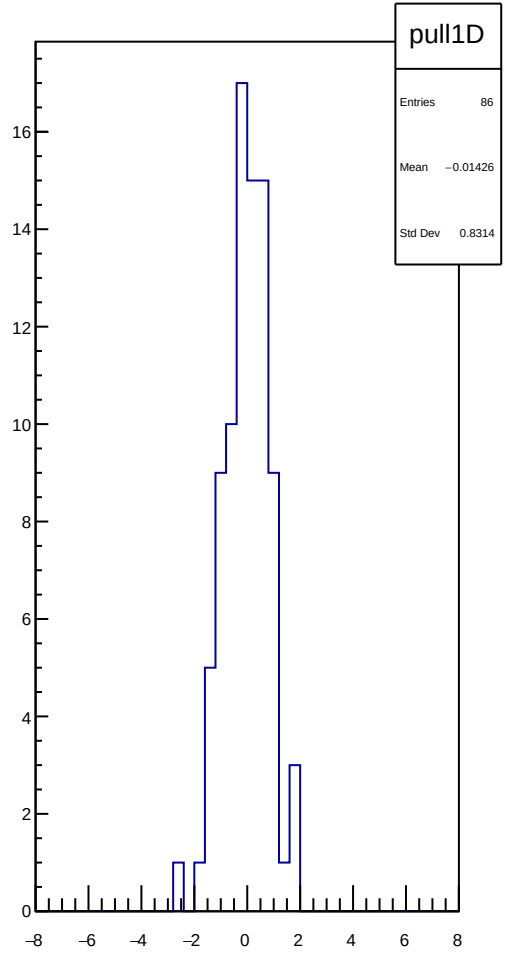

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5892 / 85
p0 1270 ± 0.9842
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

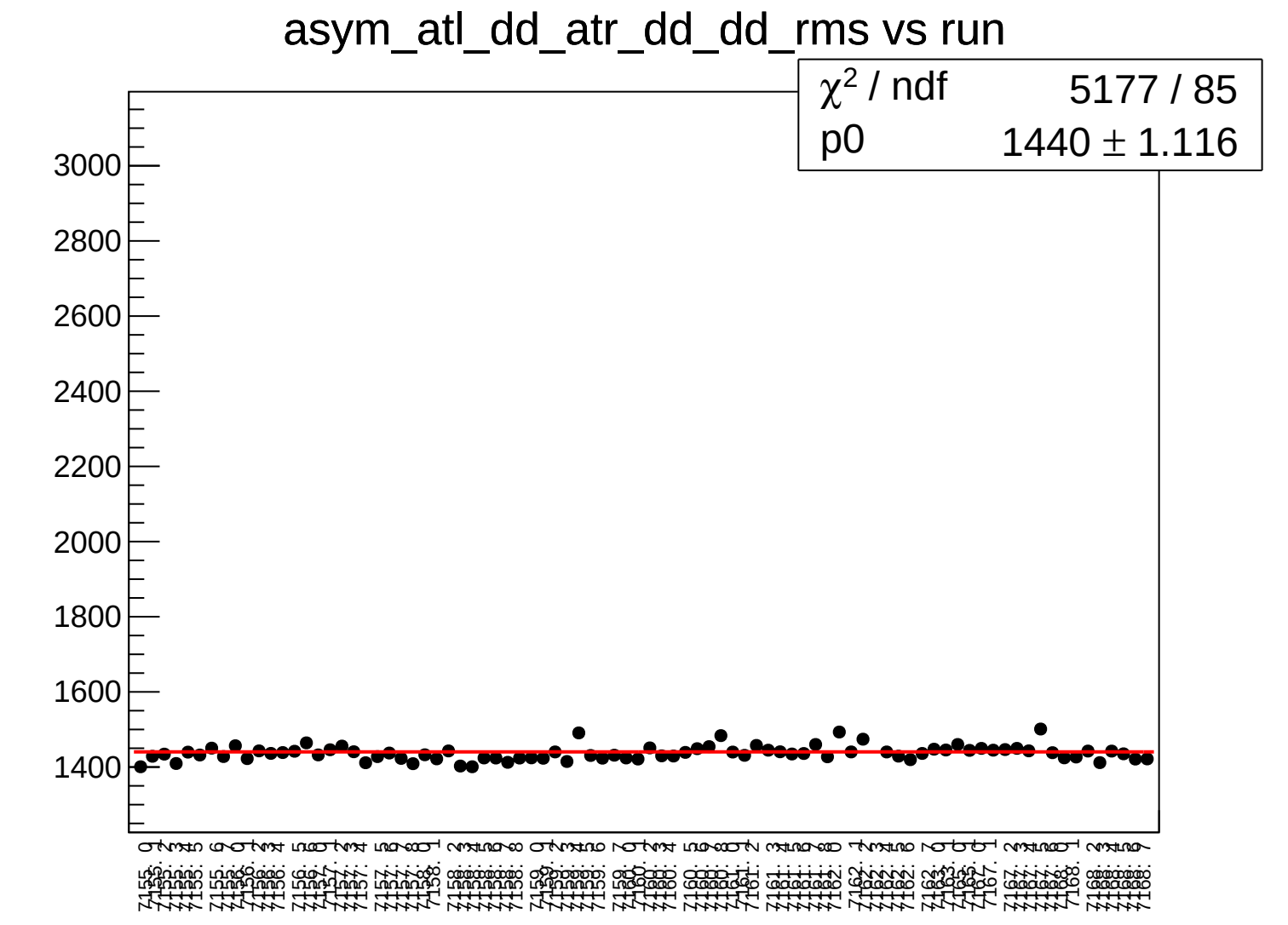

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 68.72 / 85
p0 −571.1 ± 765
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −40.93
Std Dev 104.3
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

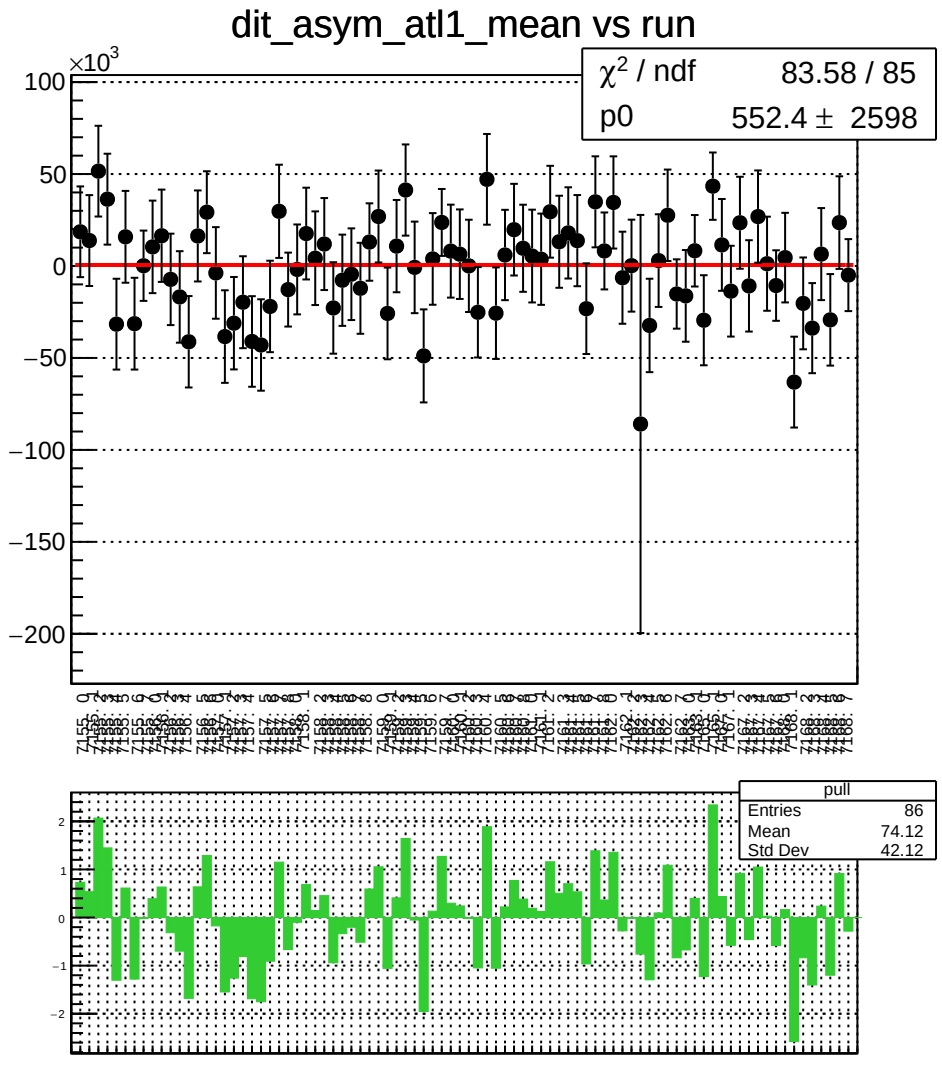

pull1D
Entries 86
Mean −0.02052
Std Dev 0.8936
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

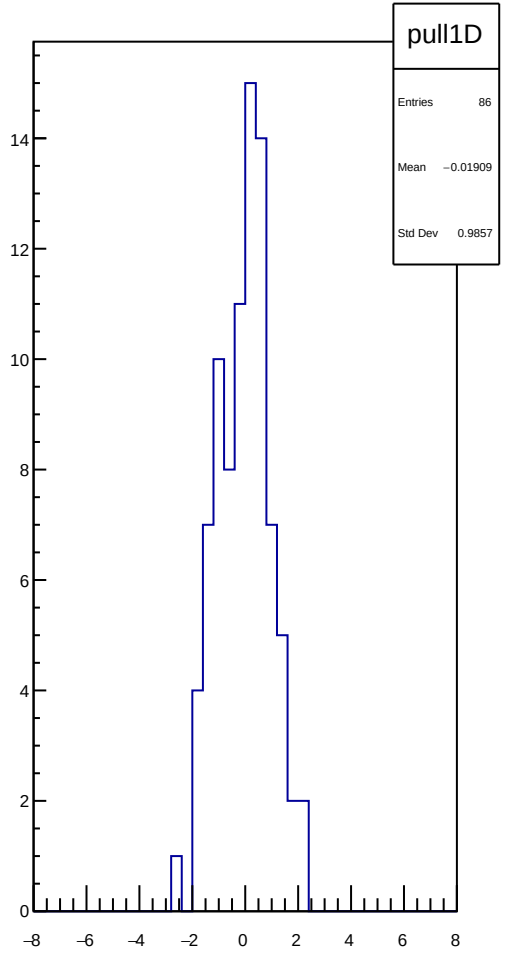

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2350 / 85
p0 698.9 ± 0.5409
800
780
760
740
720
700
680
660
640

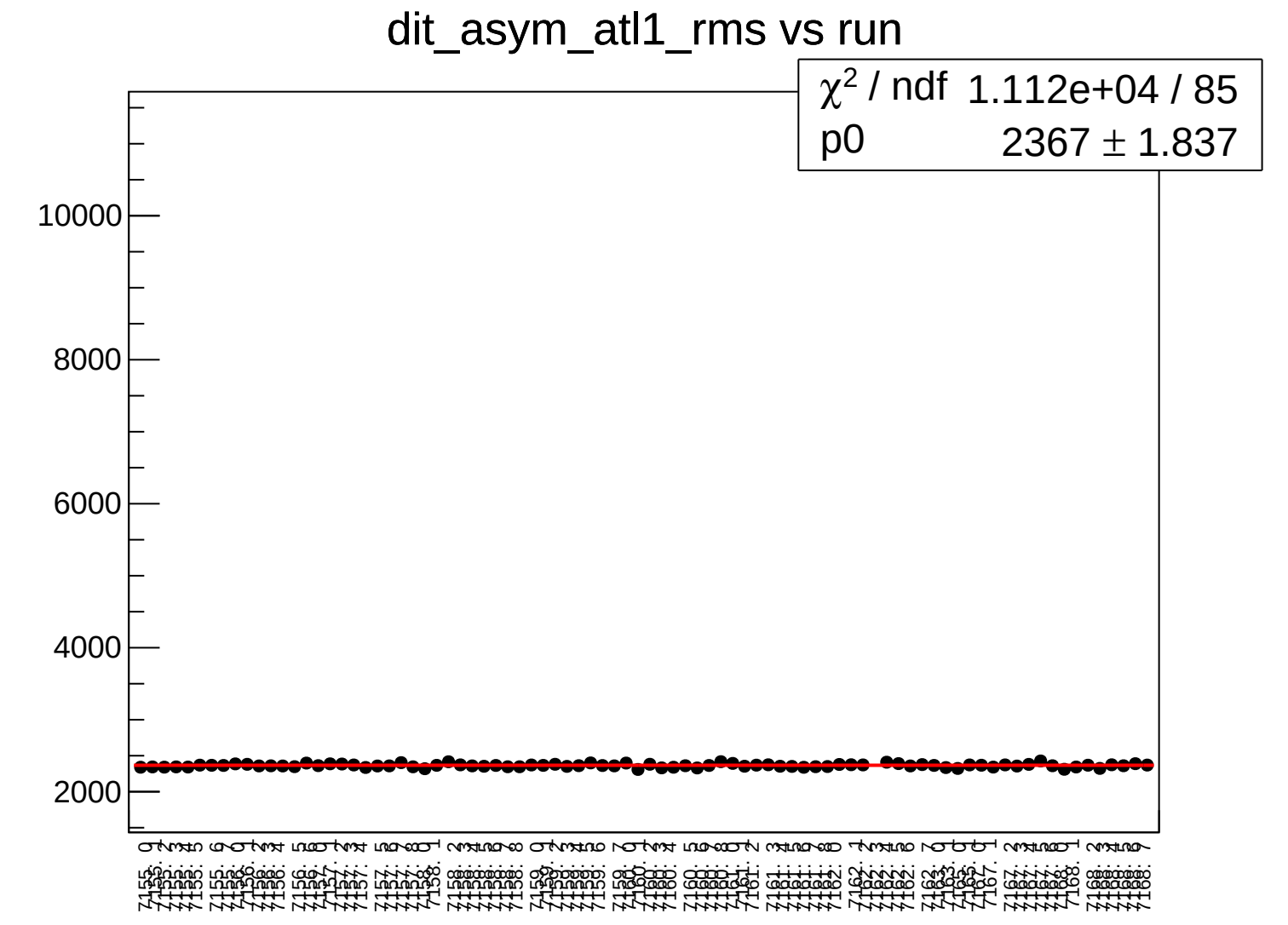

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 59.46 / 85
p0 1341 ± 1578
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −109
Std Dev 127.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

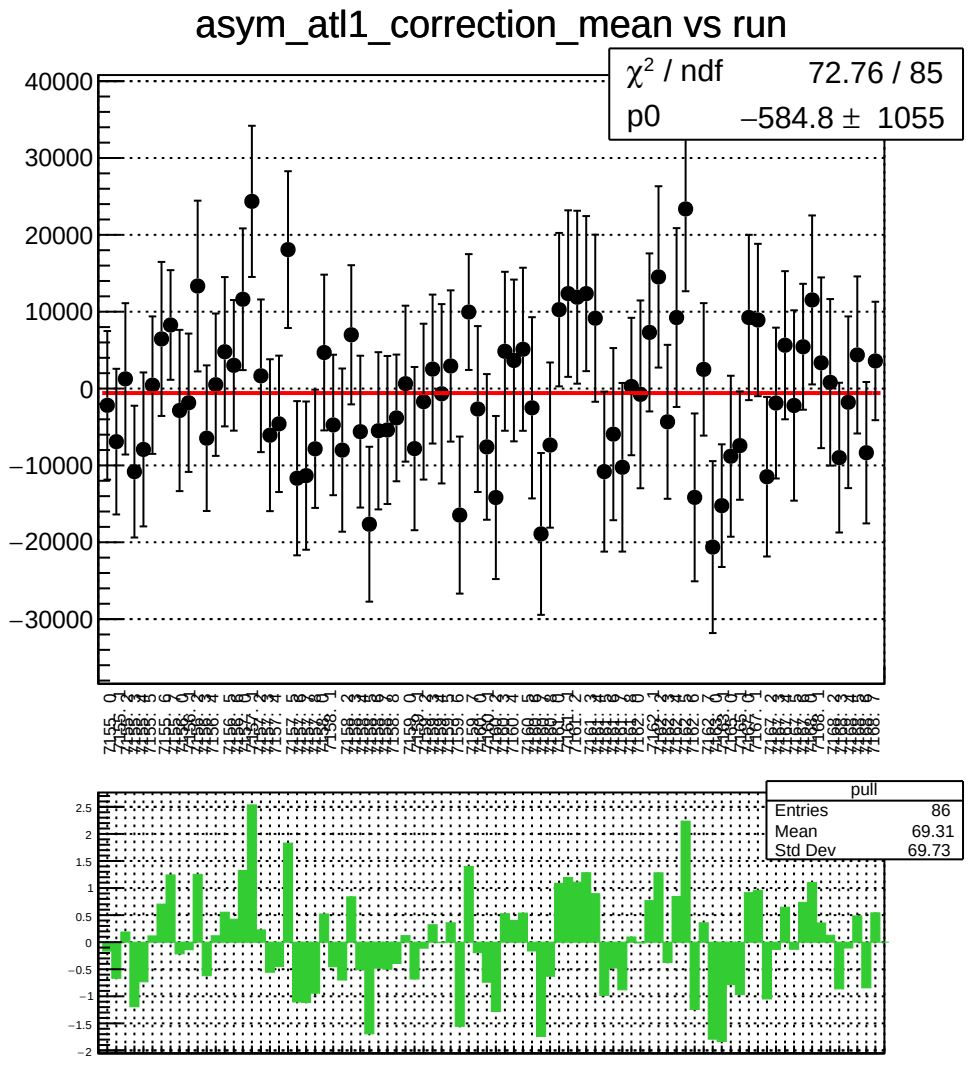

pull1D
Entries 86
Mean −0.01426
Std Dev 0.8314
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

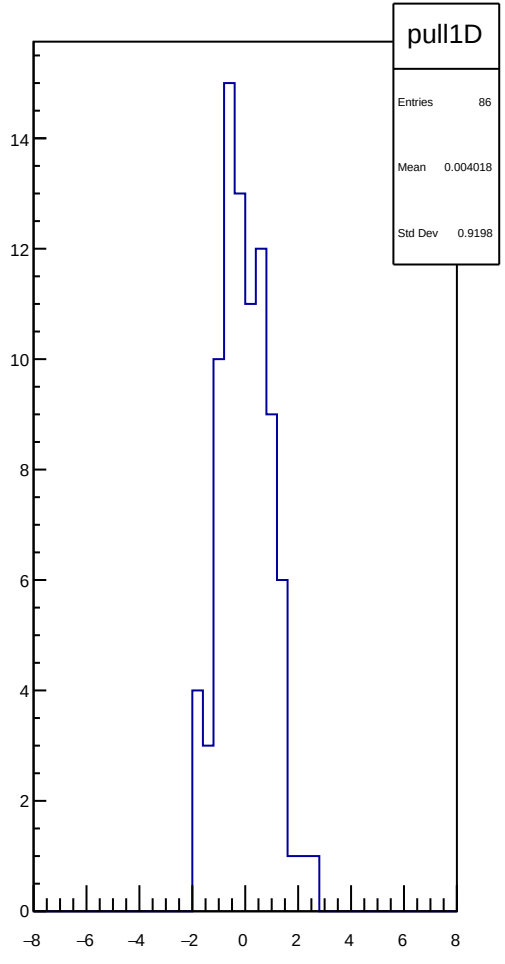

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5177 / 85
p0 1440 ± 1.116
3000
2800
2600
2400
2200
2000
1800
1600
1400

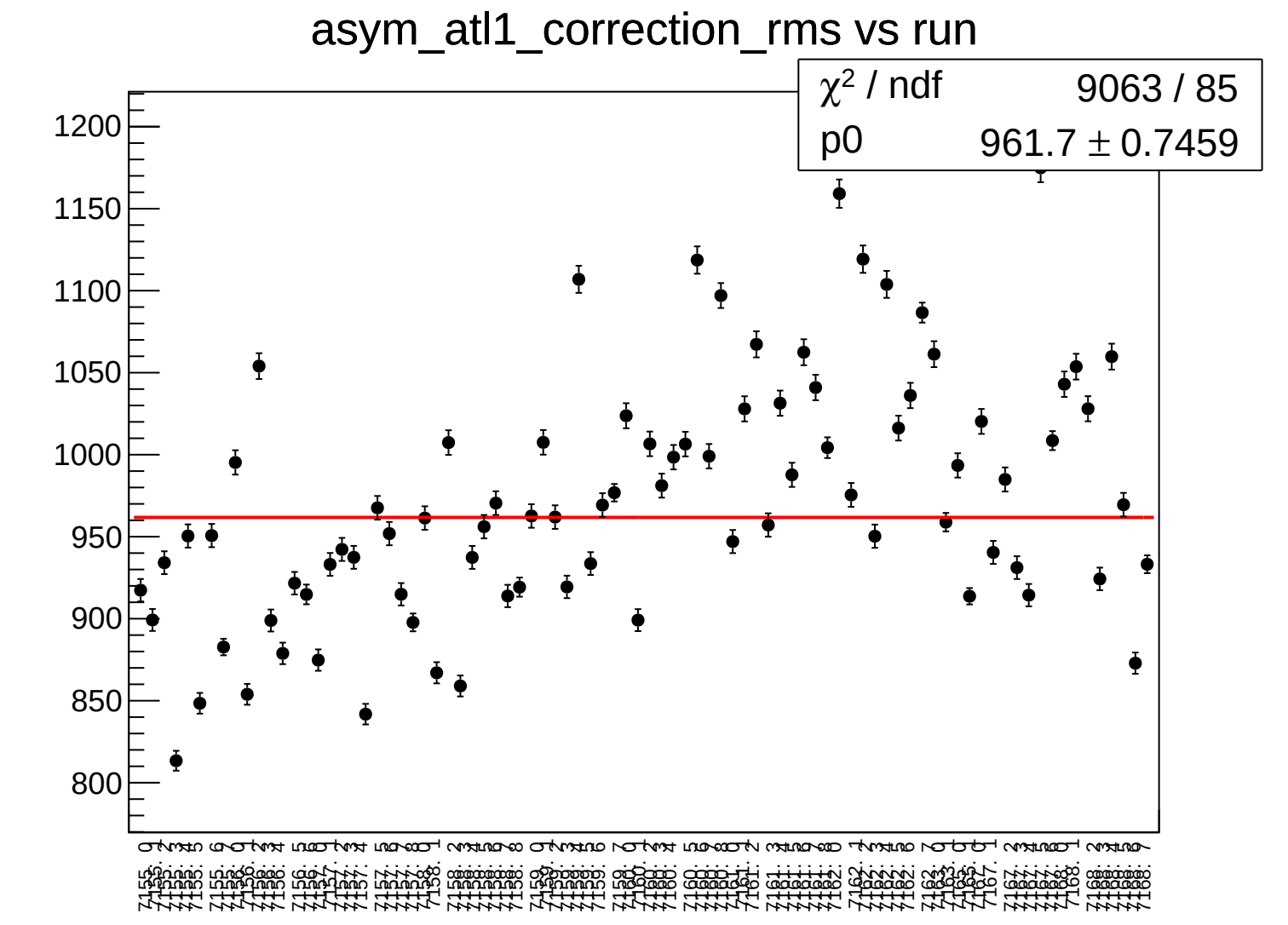

dit_asym_atl1_mean vs run
χ^2 / ndf 83.58 / 85
p0 552.4 ± 2598
pull
Entries 86
Mean 74.12
Std Dev 42.12

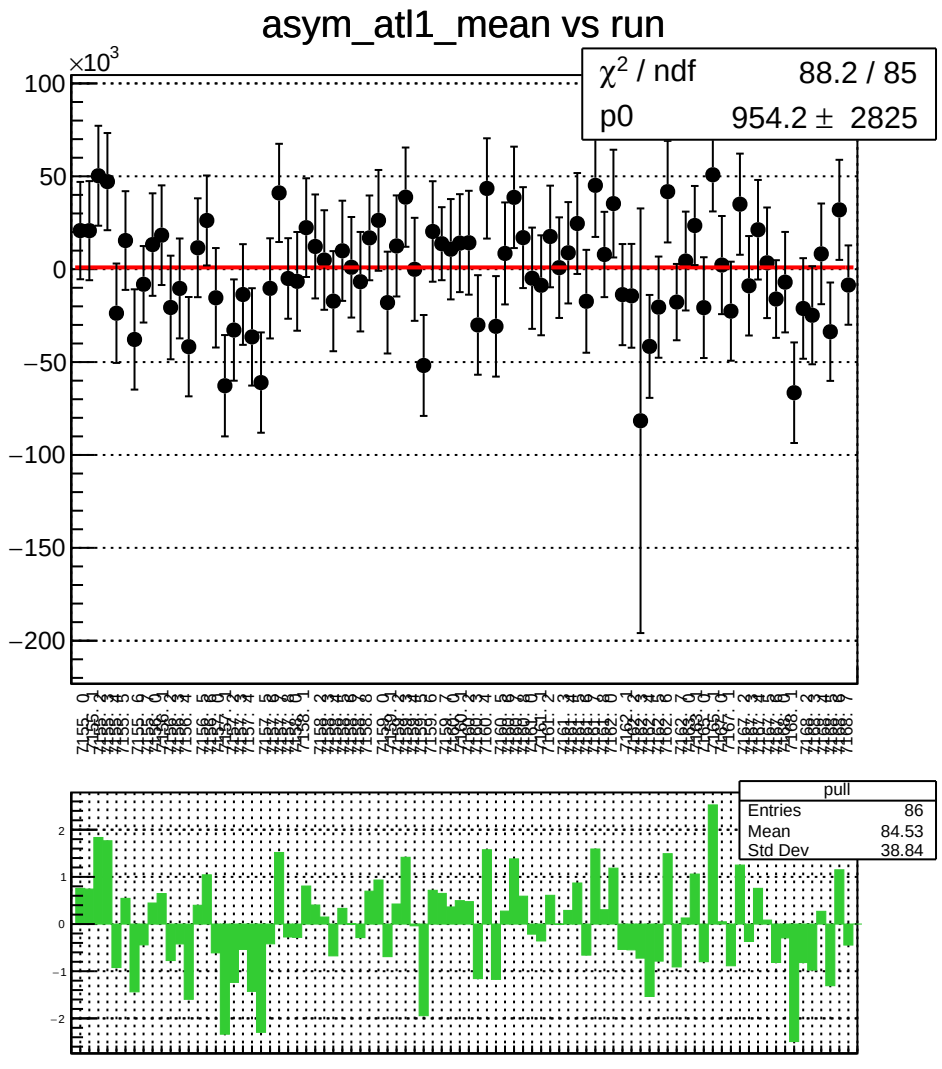

pull1D
Entries 86
Mean −0.01909
Std Dev 0.9857

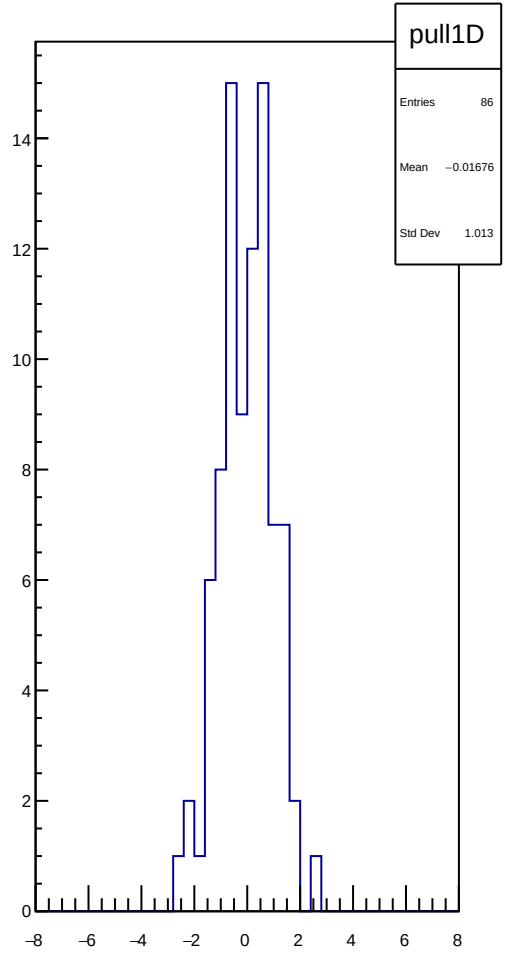

dit_asym_atl1_rms vs run
χ² / ndf 1.112e+04 / 85
p0 2367 ± 1.837
10000
8000
6000
4000
2000

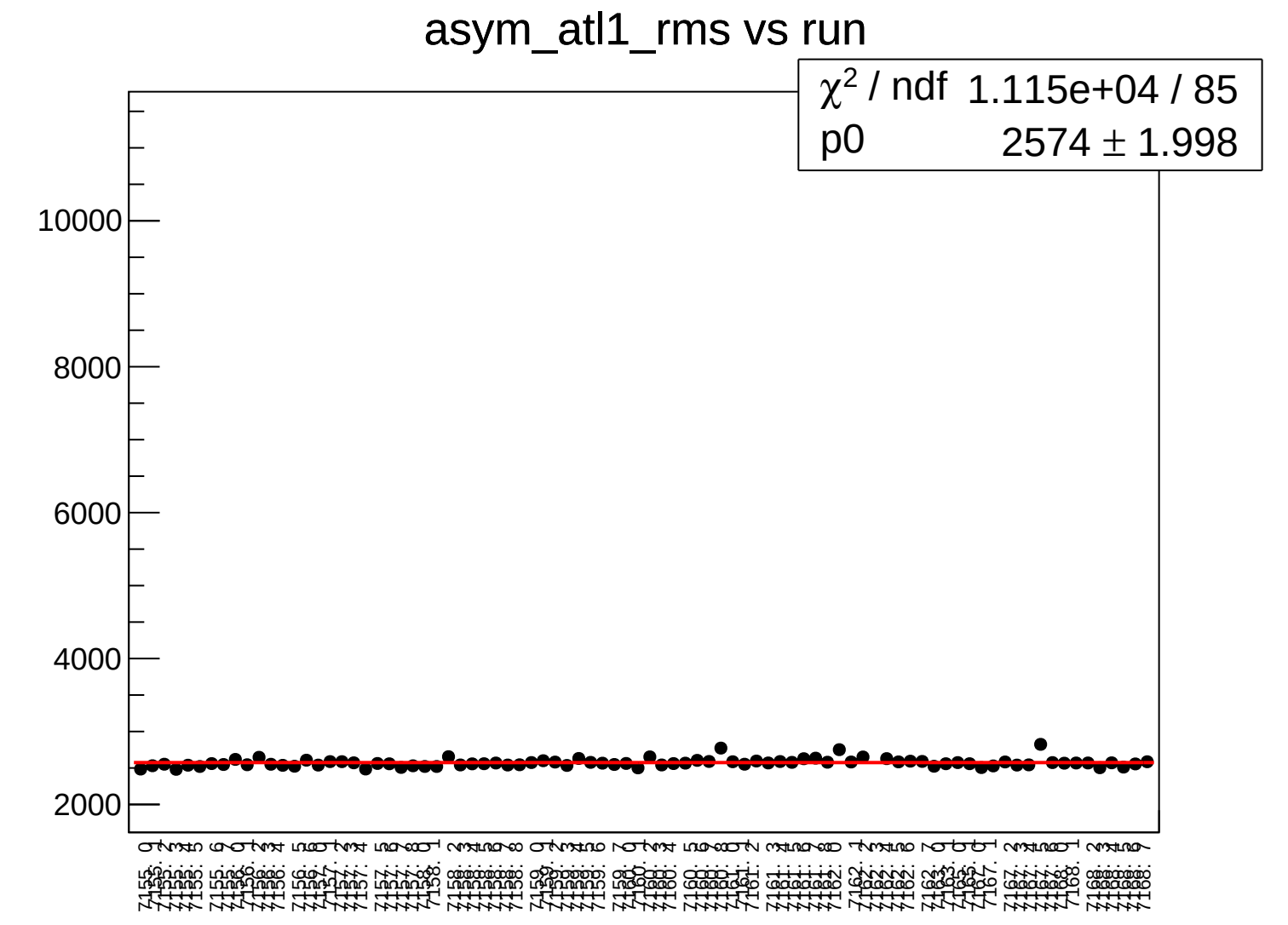

asym_atl1_correction_mean vs run
χ² / ndf 72.76 / 85
p0 −584.8 ± 1055
pull
Entries 86
Mean 69.31
Std Dev 69.73

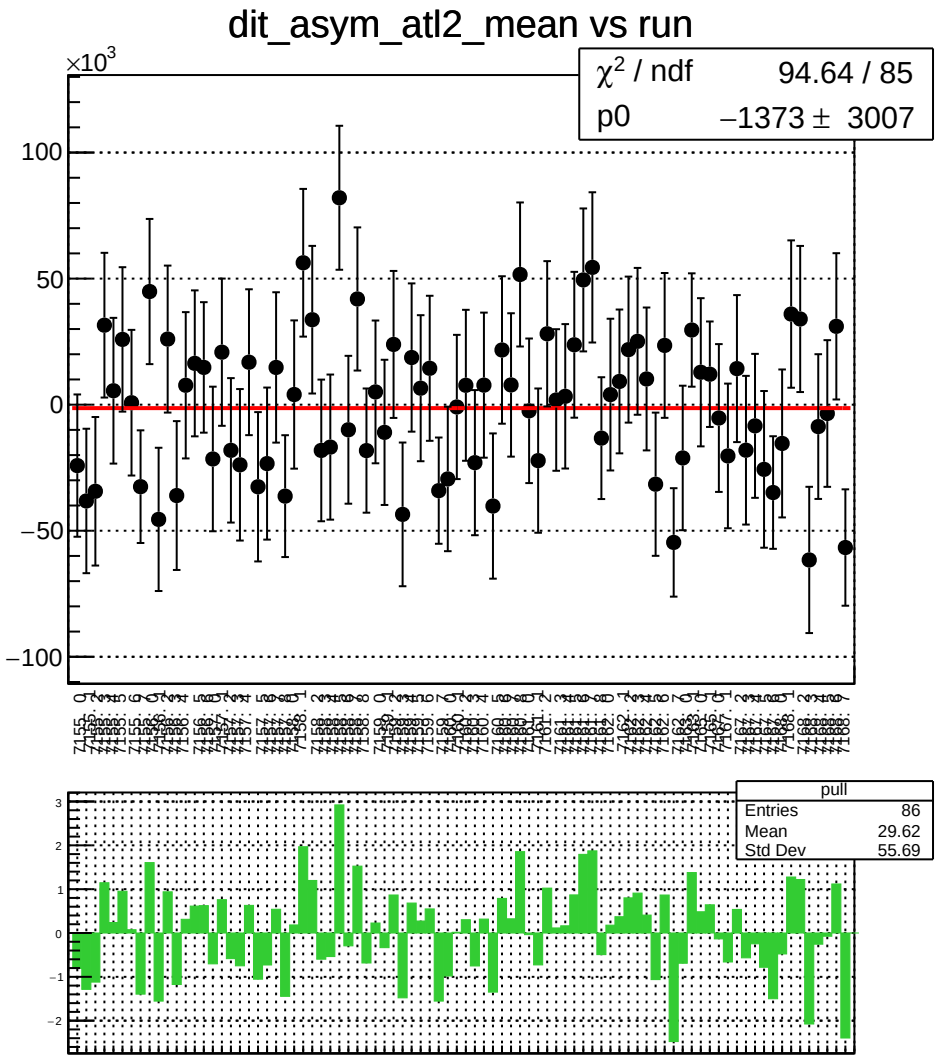

pull1D
Entries 86
Mean 0.004018
Std Dev 0.9198

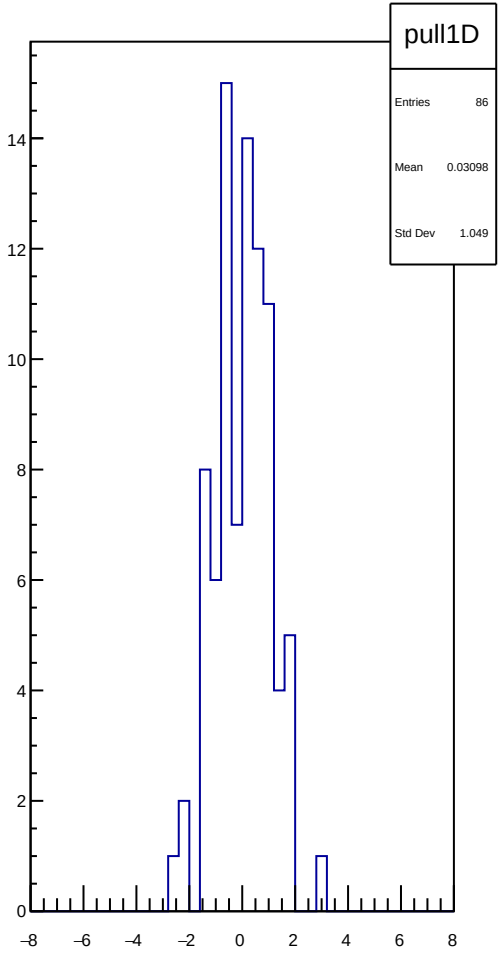

asym_atl1_correction_rms vs run
χ² / ndf 9063 / 85
p0 961.7 ± 0.7459
1200
1150
1100
1050
1000
950
900
850
800

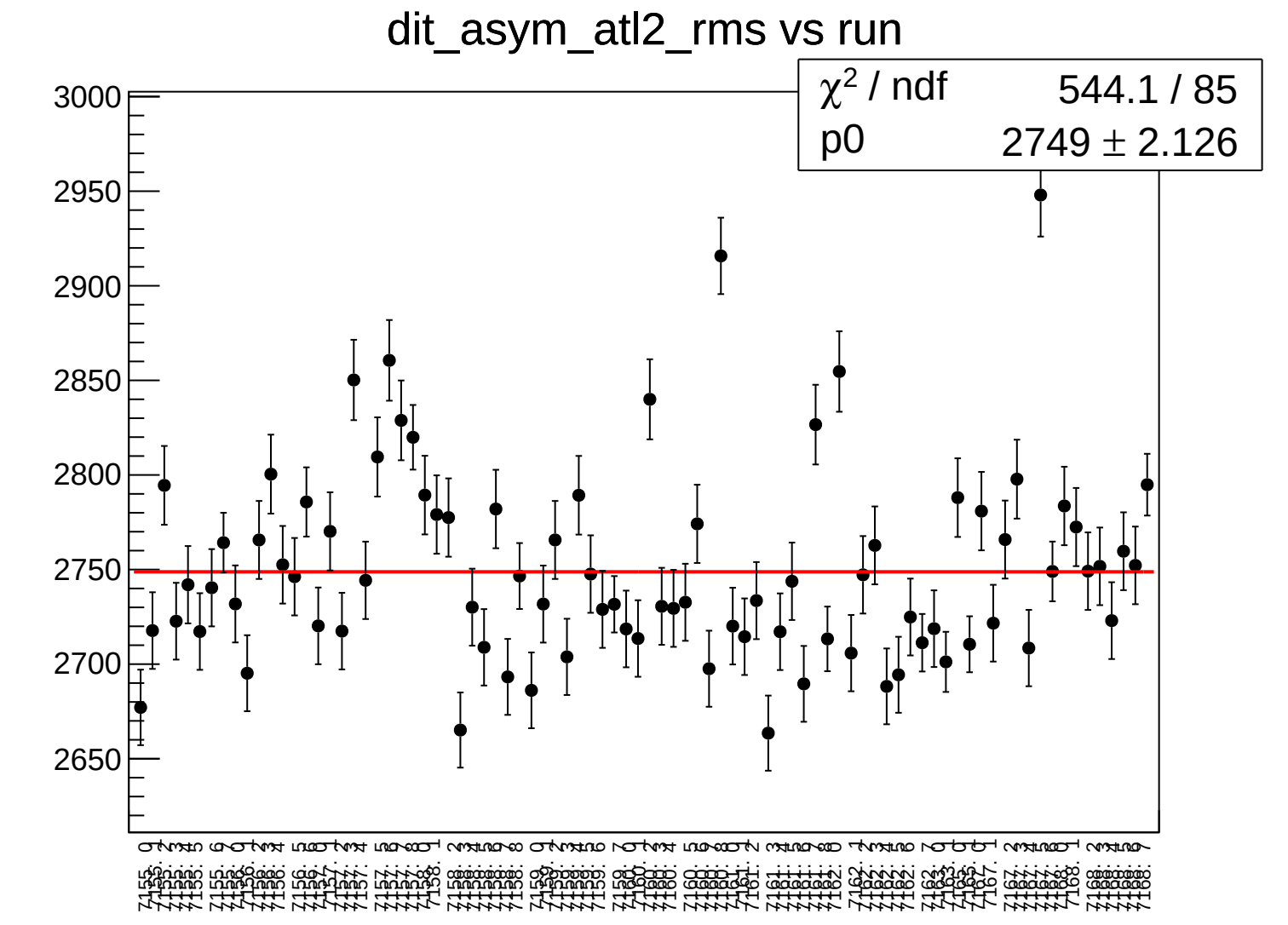

asym_atl1_mean vs run
×10^3
χ^2 / ndf 88.2 / 85
p0 954.2 ± 2825
pull
Entries 86
Mean 84.53
Std Dev 38.84

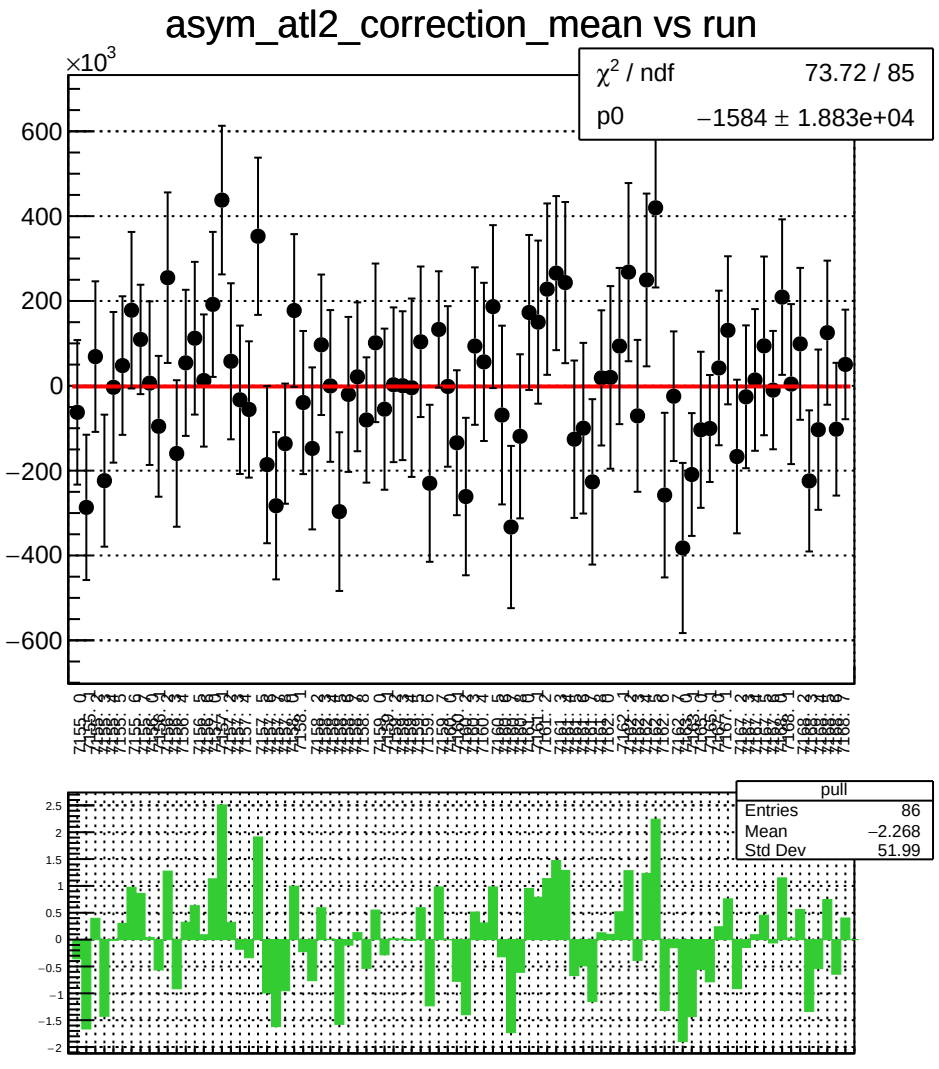

pull1D
Entries 86
Mean −0.01676
Std Dev 1.013

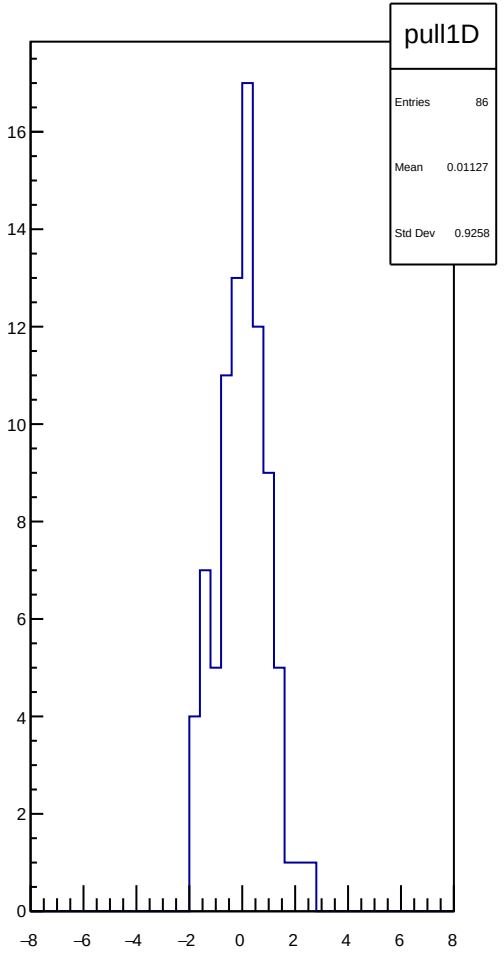

asym_atl1_rms vs run
χ² / ndf 1.115e+04 / 85
p0 2574 ± 1.998
10000
8000
6000
4000
2000

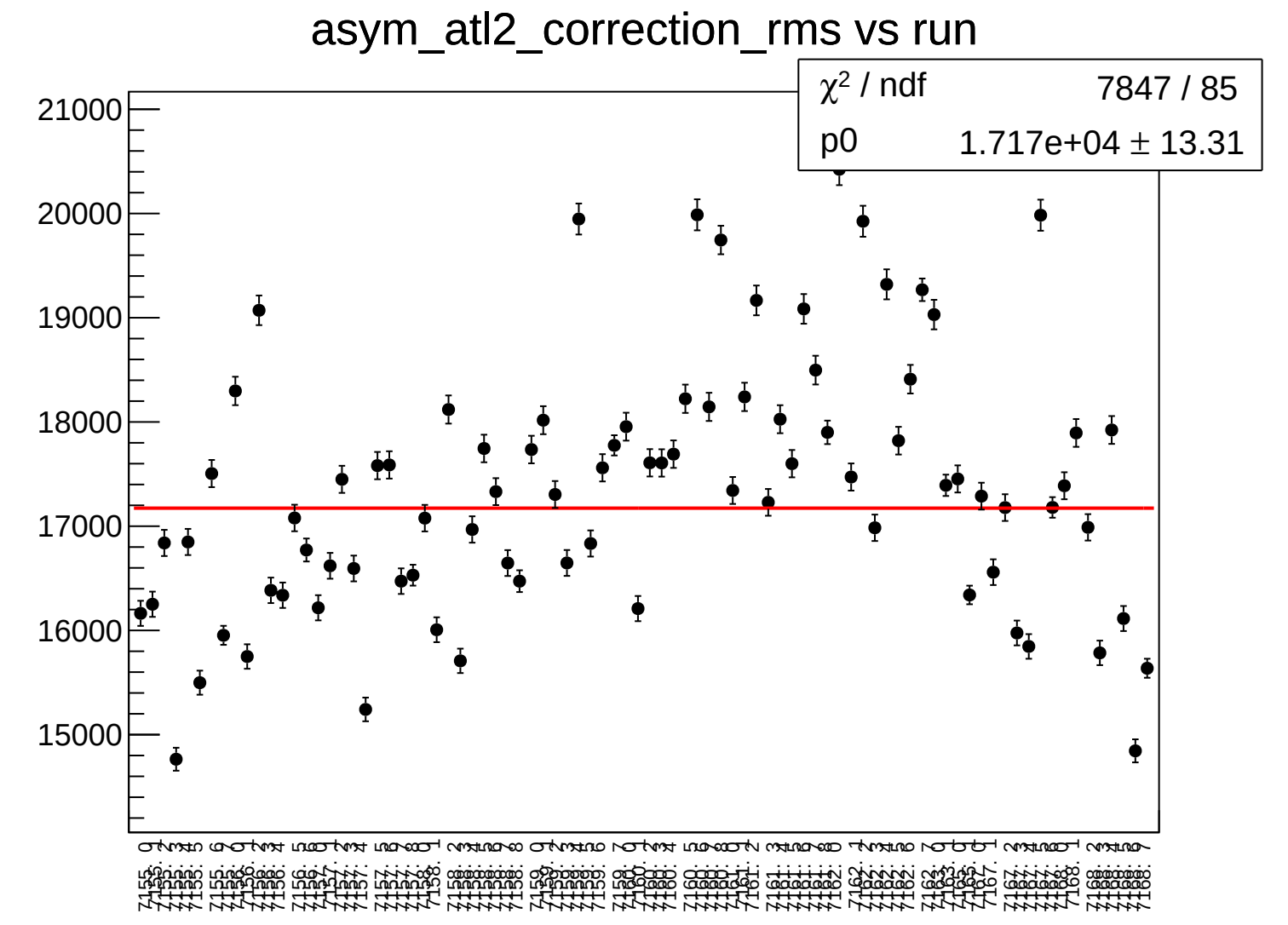

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 94.64 / 85
p0 −1373 ± 3007
100
50
0
−50
−100
pull
Entries 86
Mean 29.62
Std Dev 55.69
3
2
1
0
−1
−2

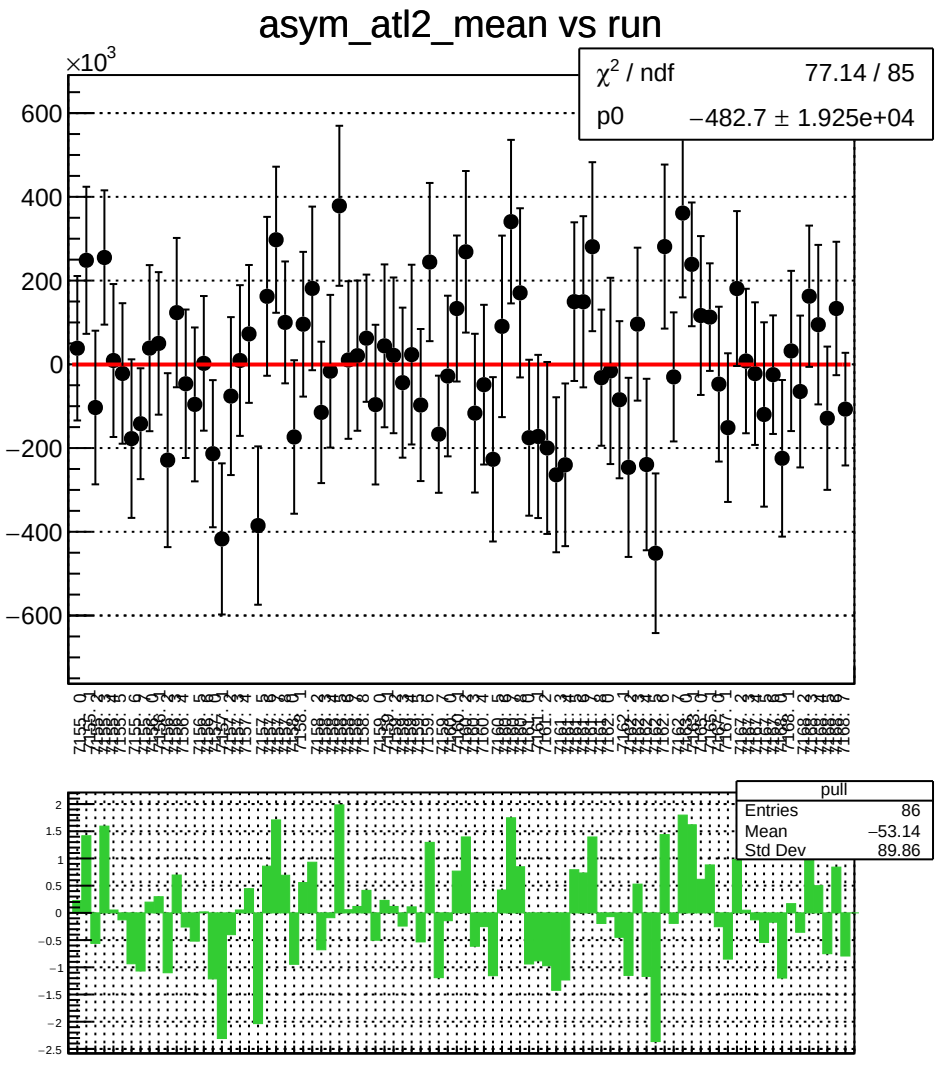

pull1D
Entries 86
Mean 0.03098
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

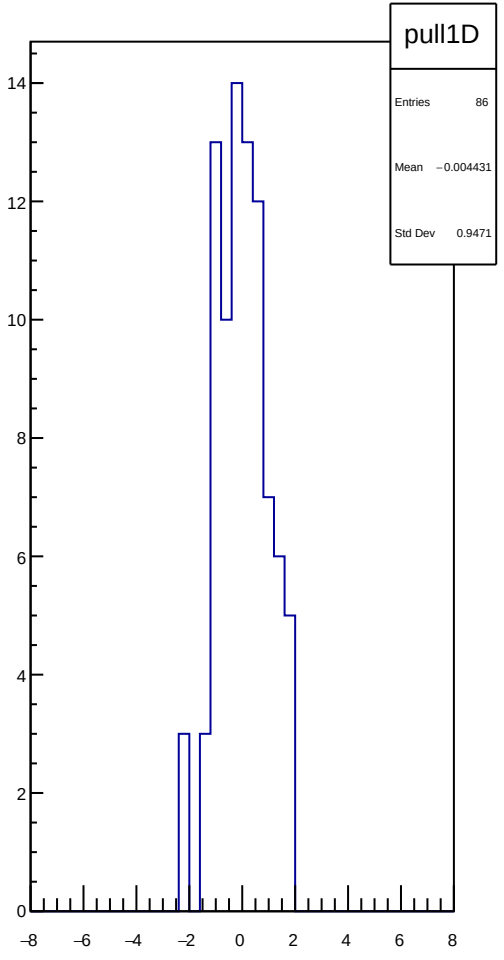

dit_asym_atl2_rms vs run
χ² / ndf 544.1 / 85
p0 2749 ± 2.126
3000
2950
2900
2850
2800
2750
2700
2650

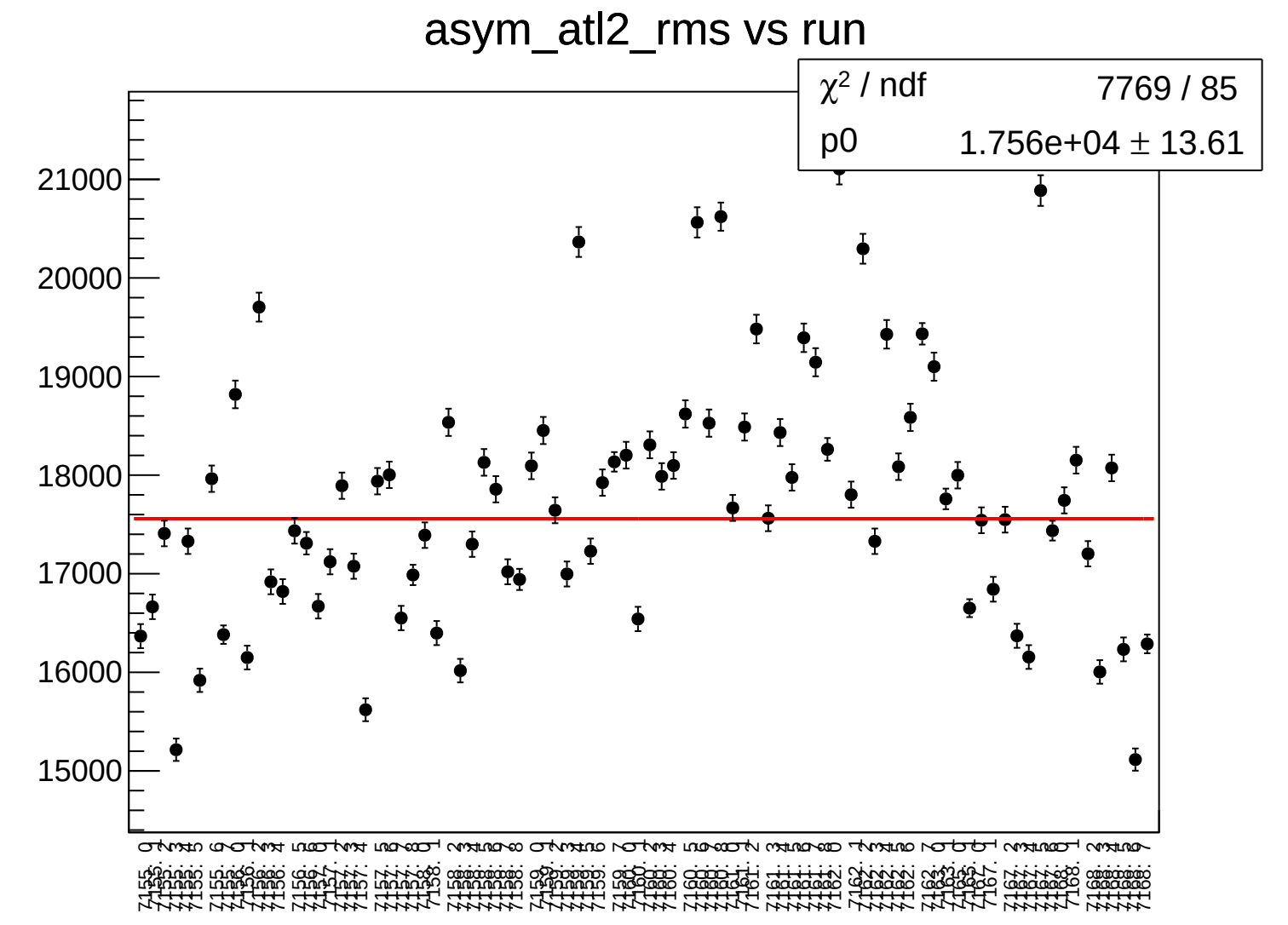

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 73.72 / 85
p0 −1584 ± 1.883e+04
600
400
200
0
−200
−400
−600
pull
Entries 86
Mean −2.268
Std Dev 51.99
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

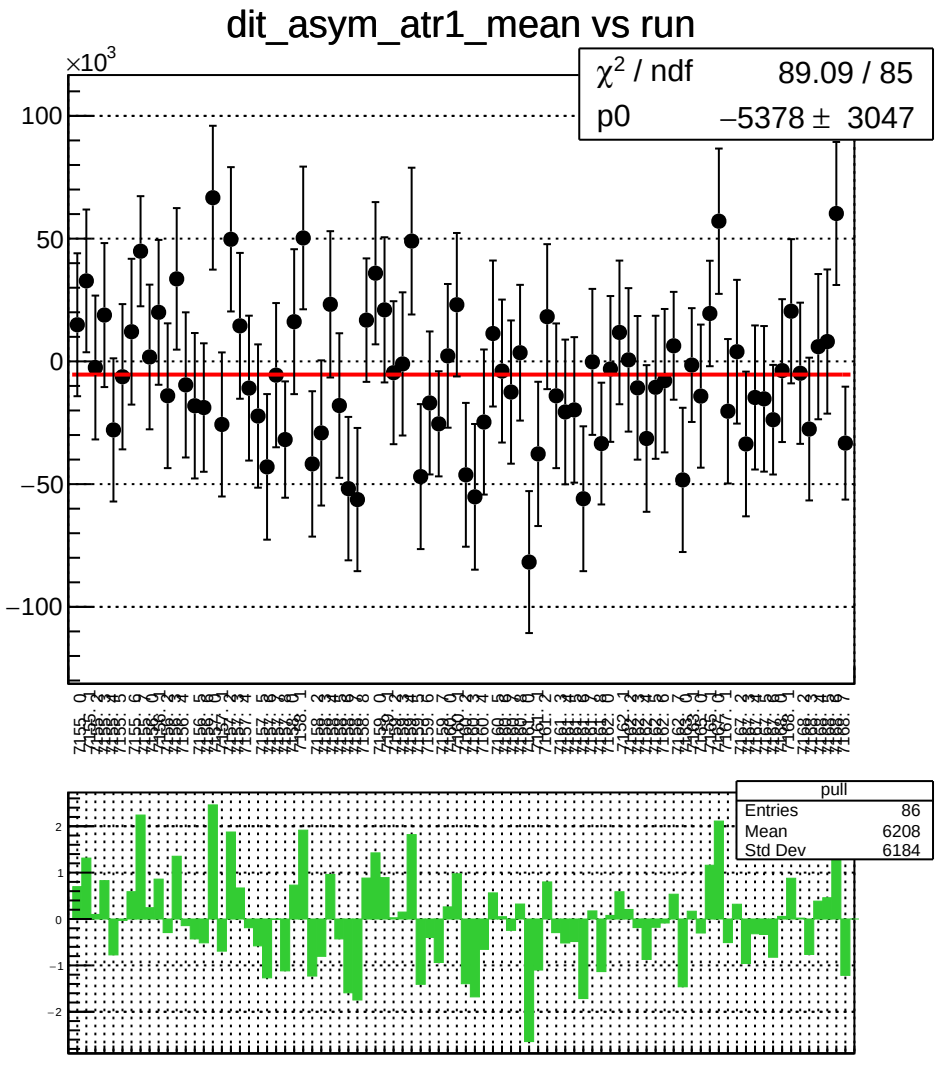

pull1D
Entries 86
Mean 0.01127
Std Dev 0.9258
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

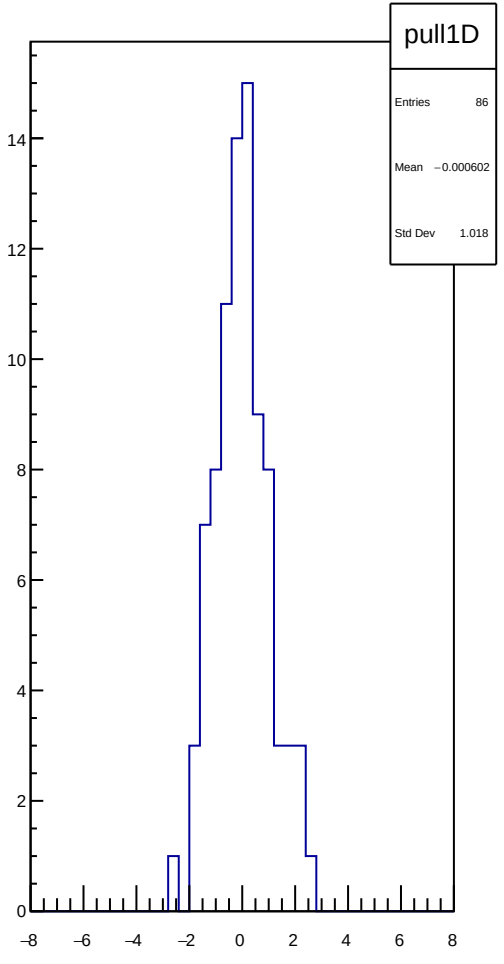

asym_atl2_correction_rms vs run
χ² / ndf 7847 / 85
p0 1.717e+04 ± 13.31
21000
20000
19000
18000
17000
16000
15000

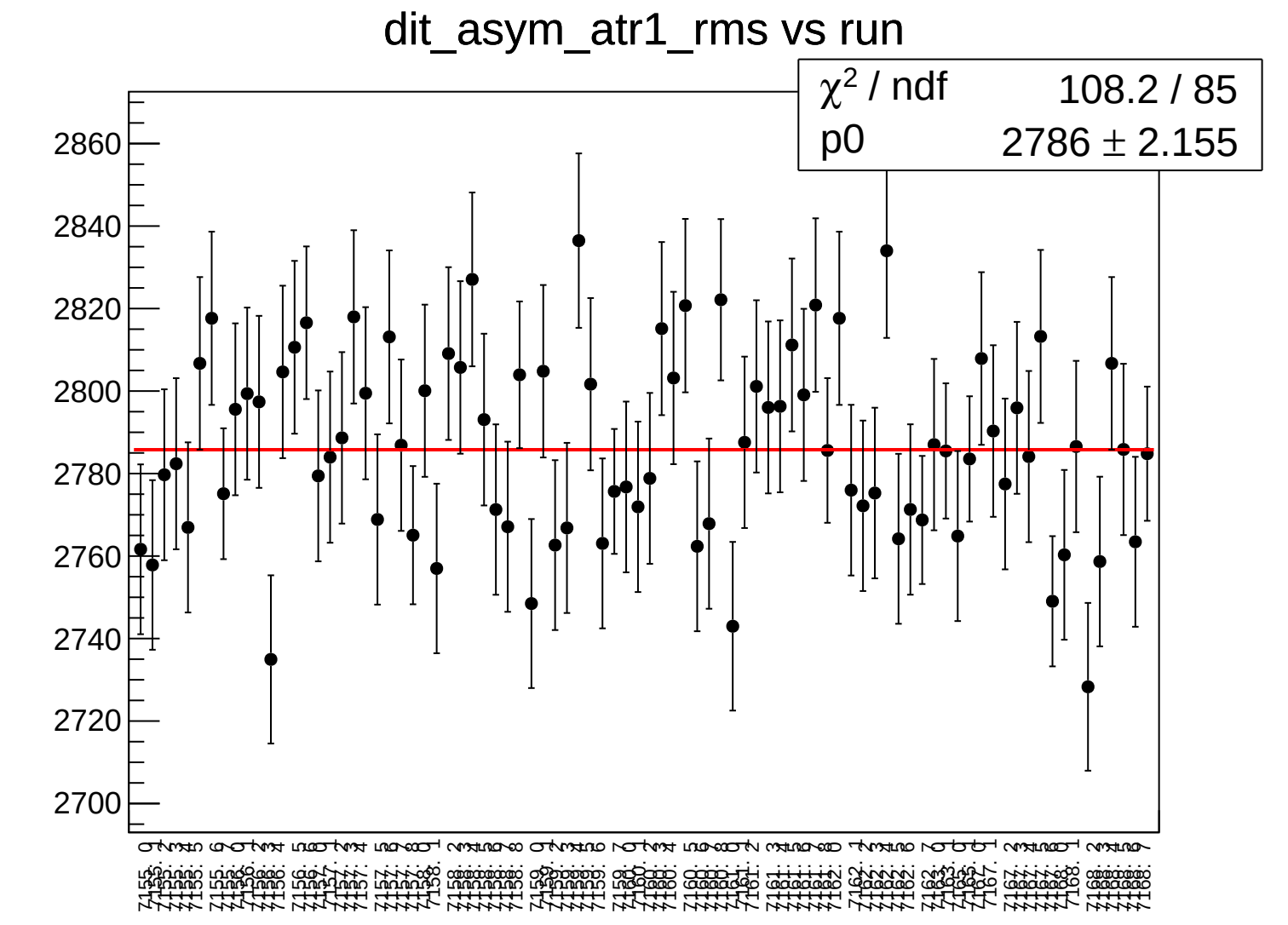

asym_atl2_mean vs run
×10^3
χ² / ndf 77.14 / 85
p0 −482.7 ± 1.925e+04
600
400
200
0
−200
−400
−600
pull
Entries 86
Mean −53.14
Std Dev 89.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

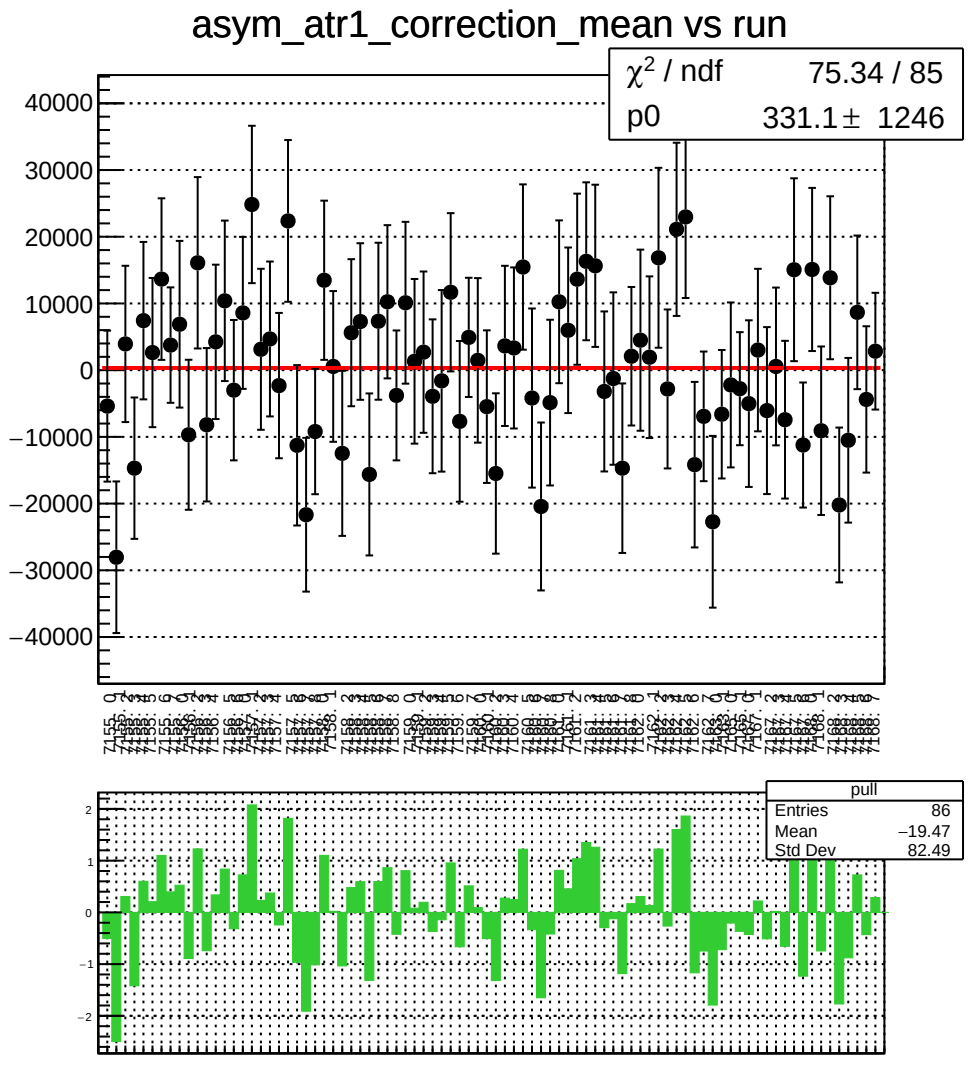

pull1D
Entries 86
Mean −0.004431
Std Dev 0.9471
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

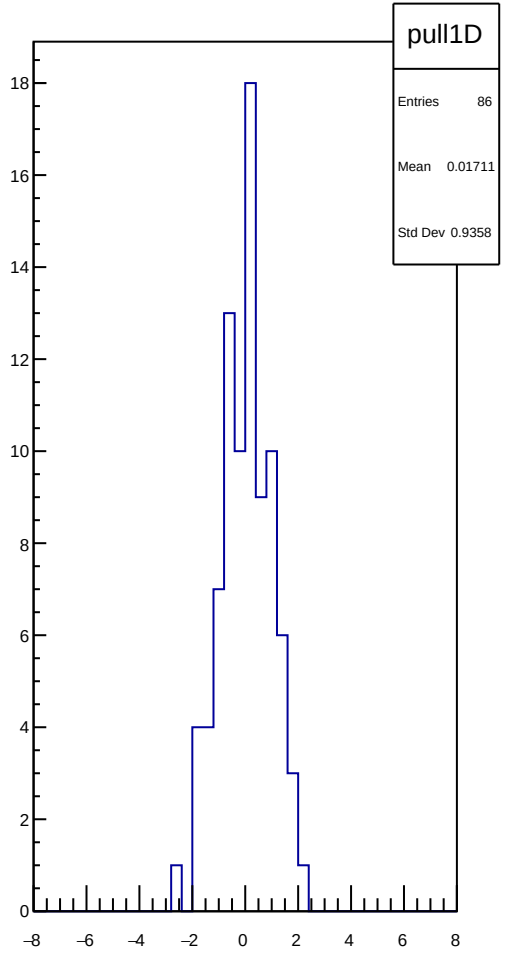

asym_atl2_rms vs run
χ² / ndf 7769 / 85
p0 1.756e+04 ± 13.61
21000
20000
19000
18000
17000
16000
15000

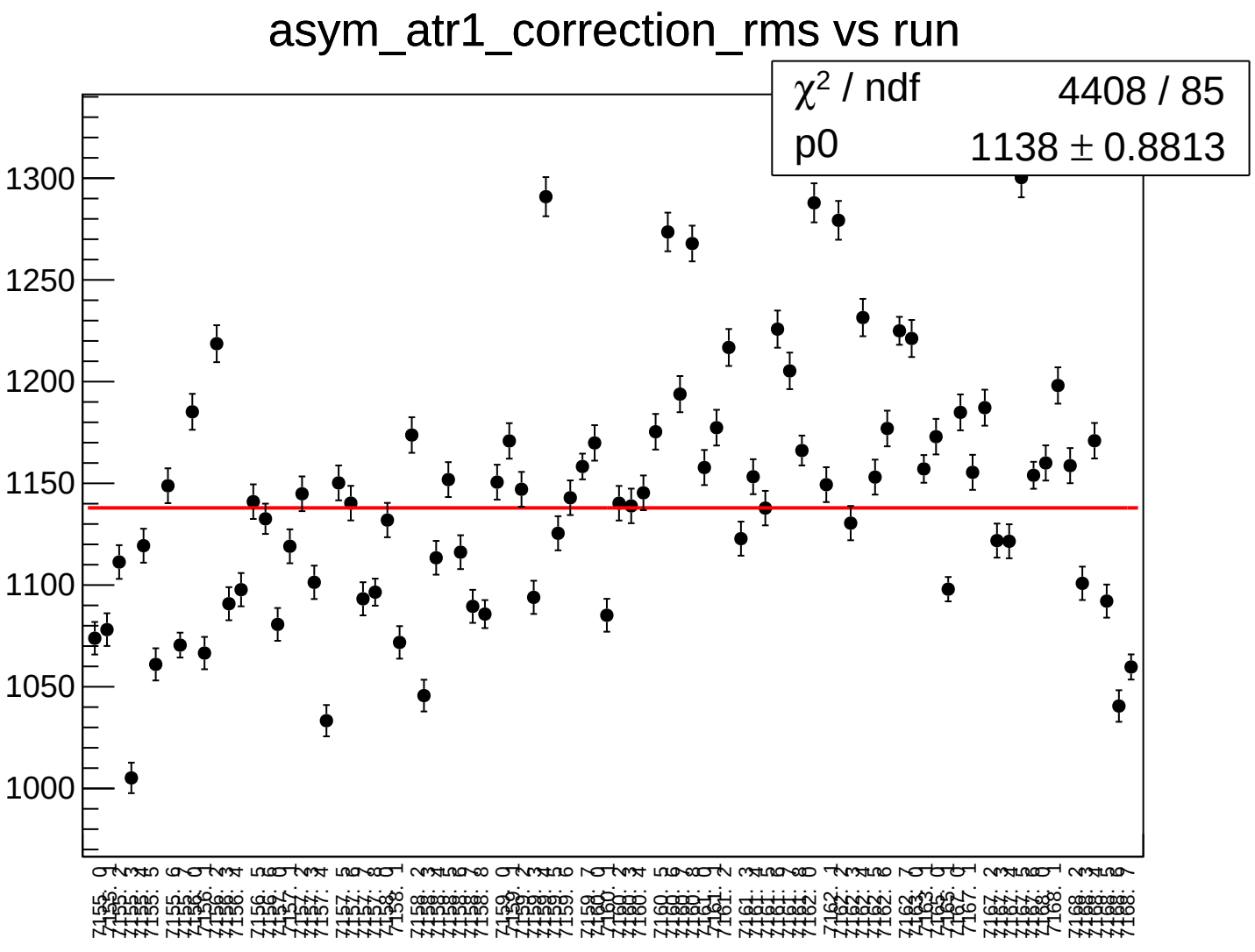

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 89.09 / 85
p0 −5378 ± 3047
100
50
0
−50
−100
pull
Entries 86
Mean 6208
Std Dev 6184
2
1
0
−1
−2

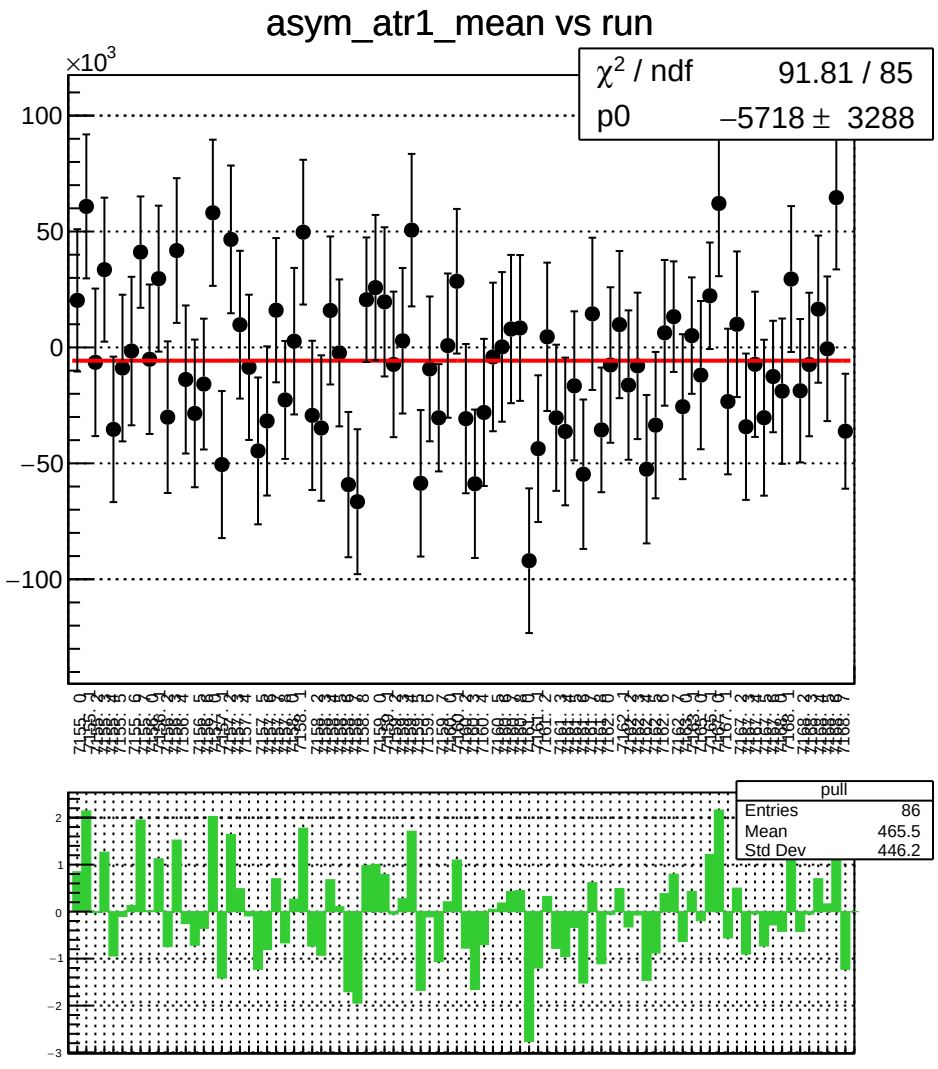

pull1D
Entries 86
Mean −0.000602
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

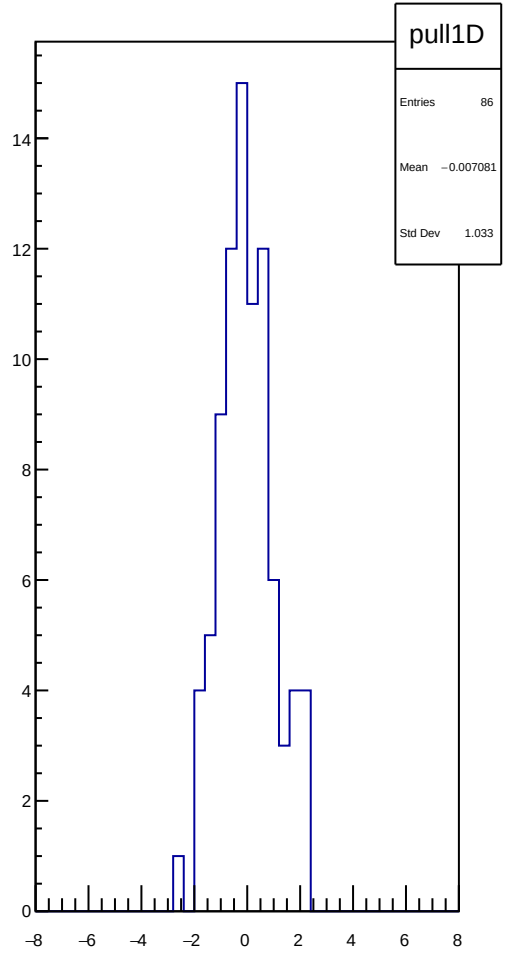

dit_asym_atr1_rms vs run
χ² / ndf 108.2 / 85
p0 2786 ± 2.155
2860
2840
2820
2800
2780
2760
2740
2720
2700

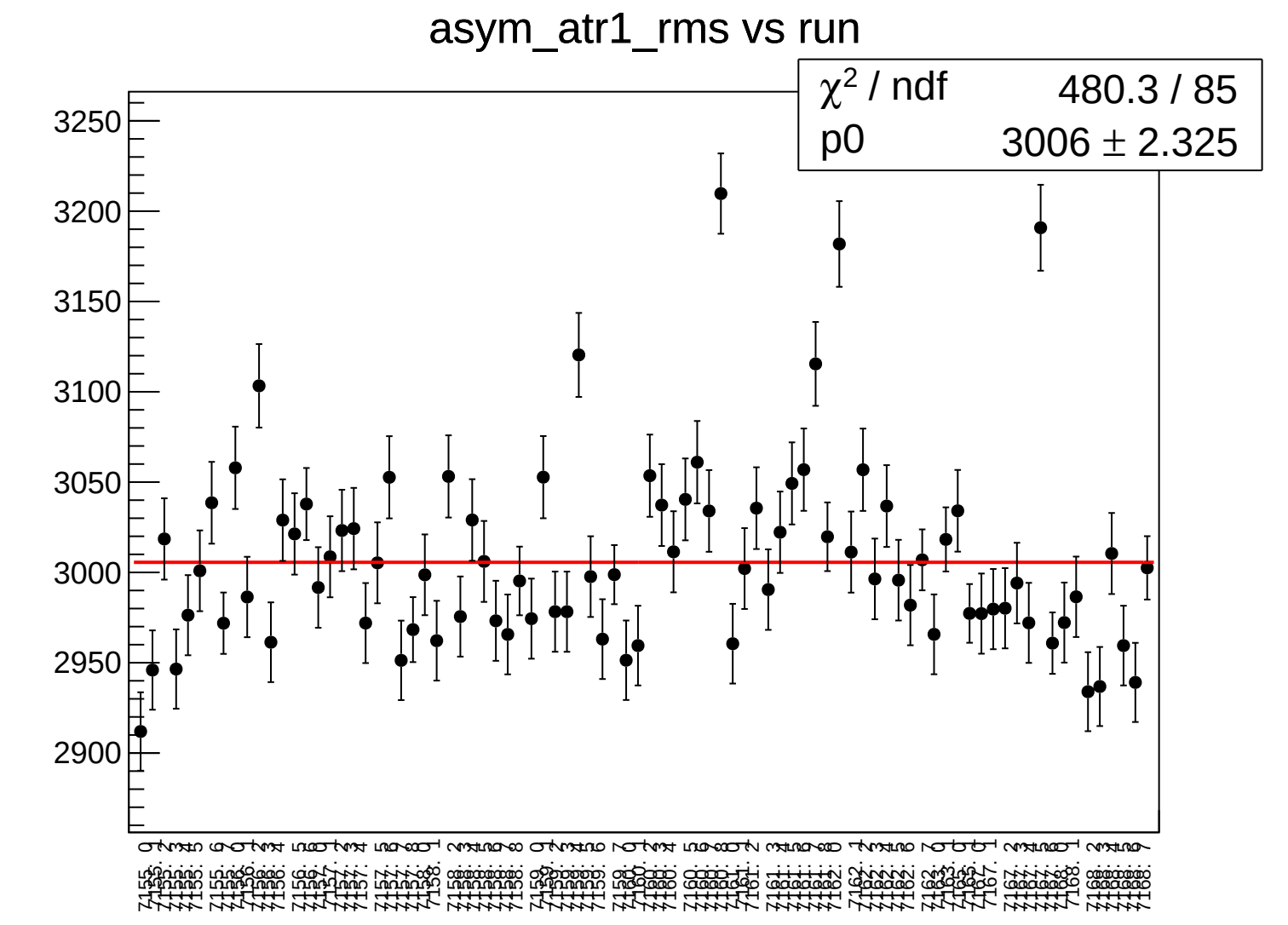

asym_atr1_correction_mean vs run
χ² / ndf 75.34 / 85
p0 331.1 ± 1246
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −19.47
Std Dev 82.49
2
1
0
−1
−2

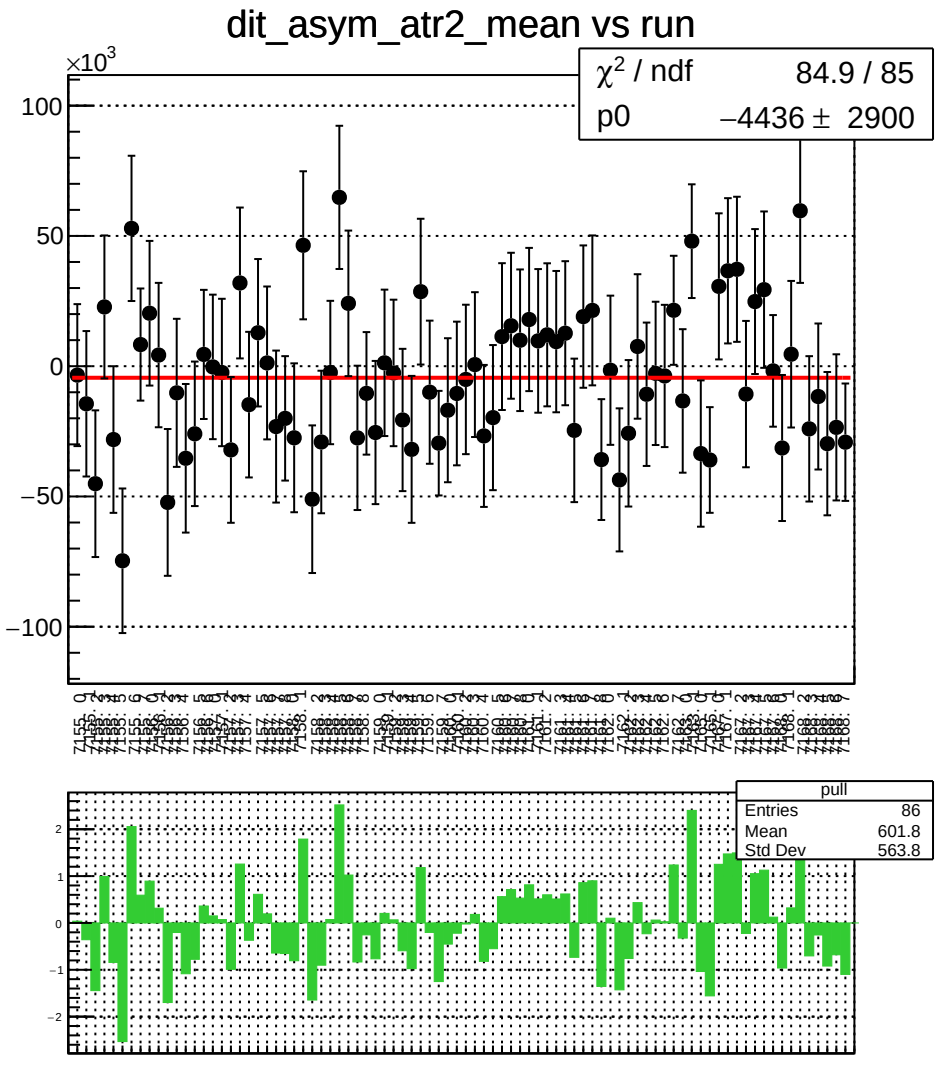

pull1D
Entries 86
Mean 0.01711
Std Dev 0.9358
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

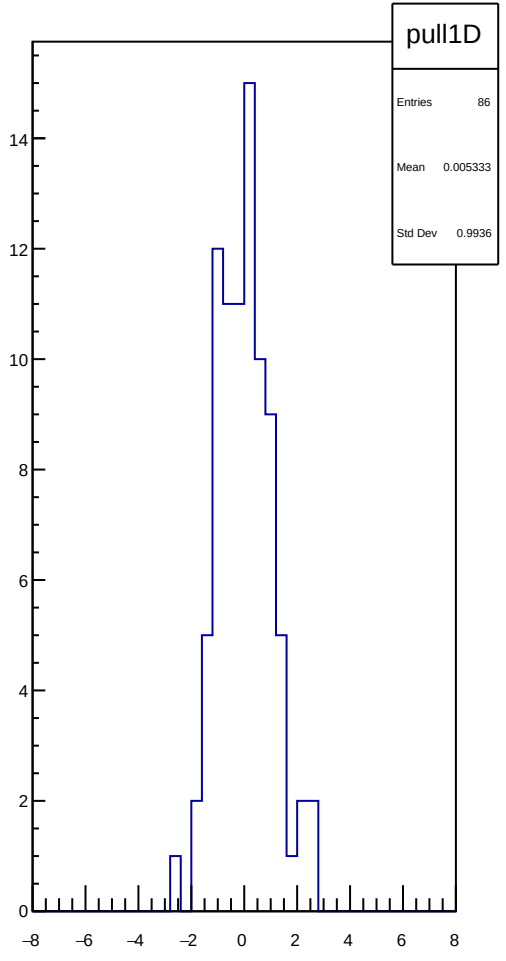

asym_atr1_correction_rms vs run
χ² / ndf 4408 / 85
p0 1138 ± 0.8813
1300
1250
1200
1150
1100
1050
1000

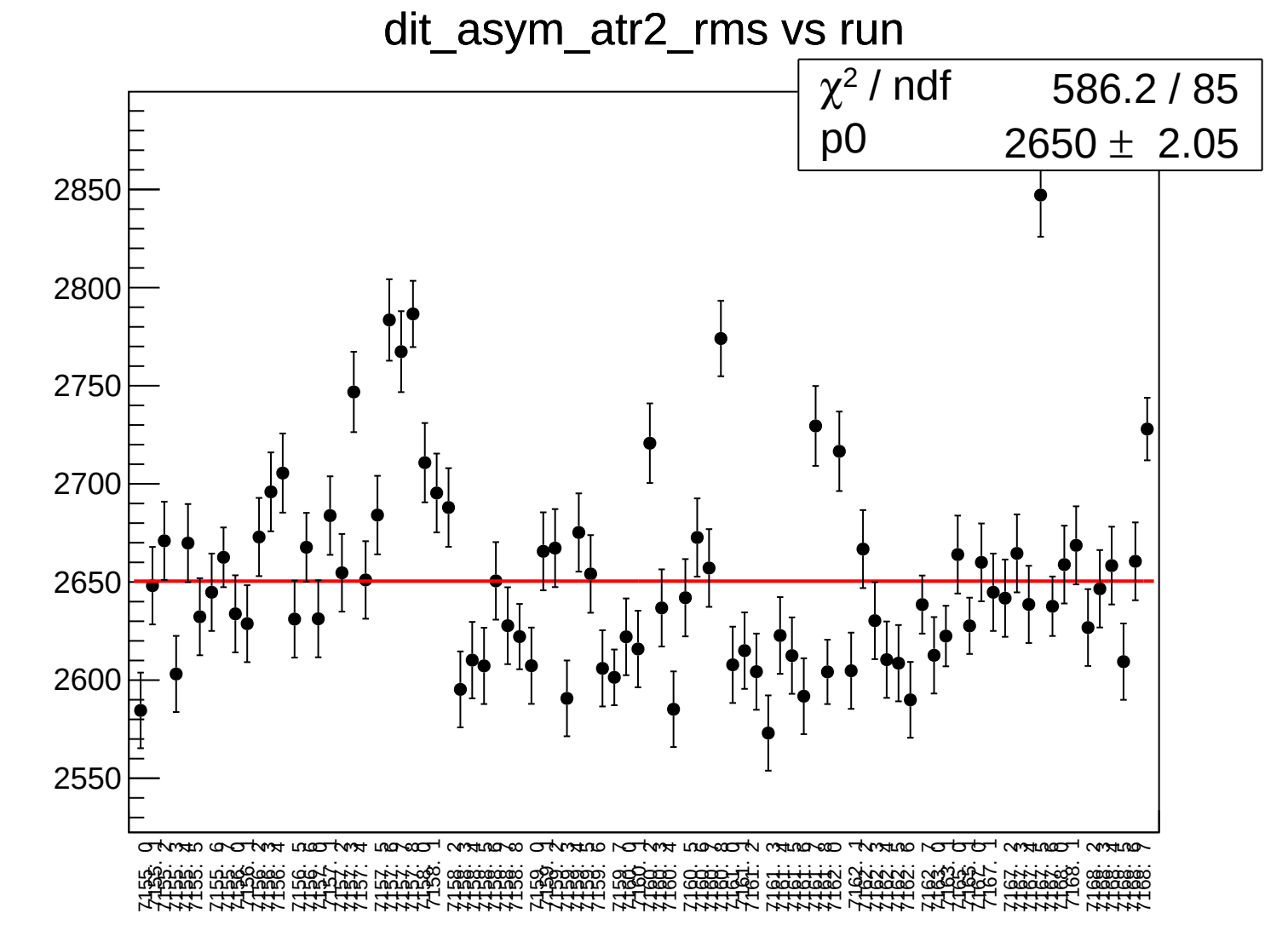

asym_atr1_mean vs run
×10^3
χ² / ndf 91.81 / 85
p0 −5718 ± 3288
100
50
0
−50
−100
pull
Entries 86
Mean 465.5
Std Dev 446.2
2
1
0
−1
−2
−3

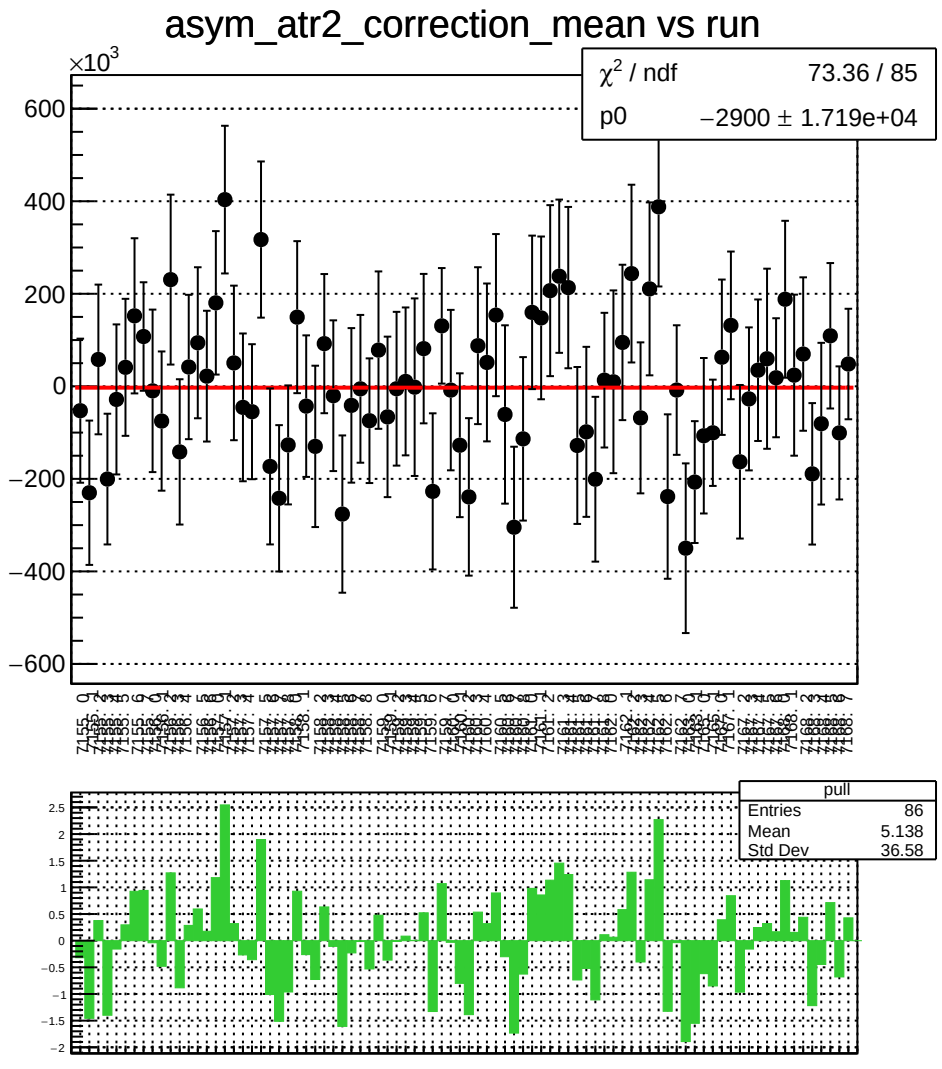

pull1D
Entries 86
Mean −0.007081
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

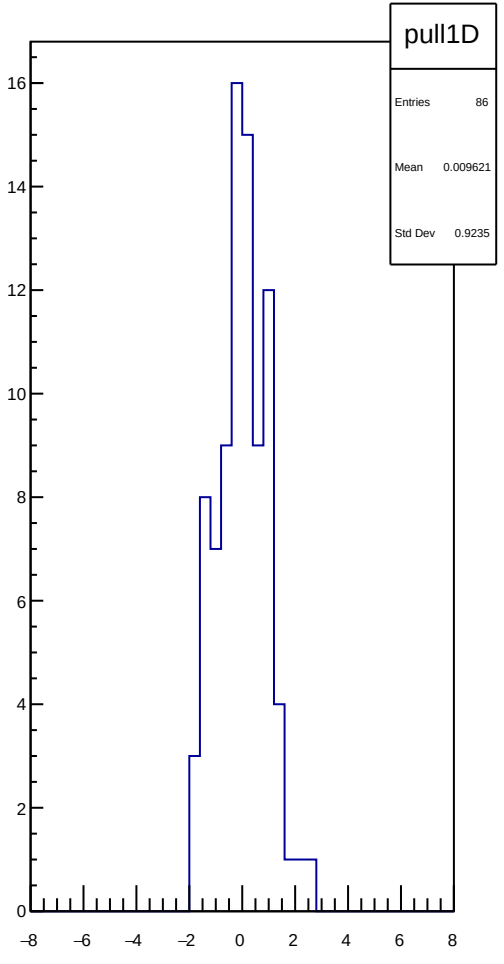

asym_atr1_rms vs run
χ^2 / ndf 480.3 / 85
p0 3006 ± 2.325
3250
3200
3150
3100
3050
3000
2950
2900

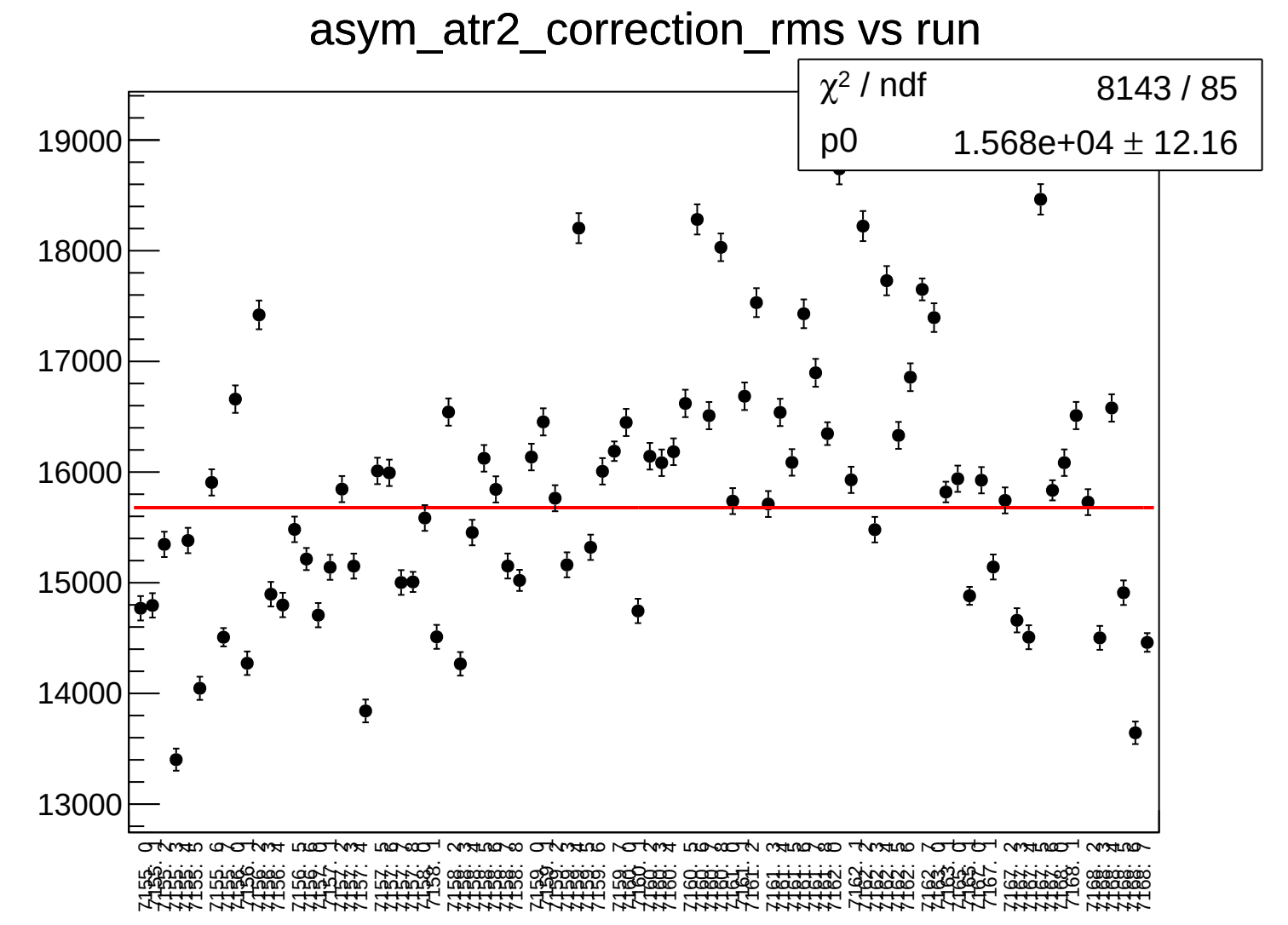

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 84.9 / 85
p0 −4436 ± 2900
100
50
0
−50
−100
pull
Entries 86
Mean 601.8
Std Dev 563.8
2
1
0
−1
−2

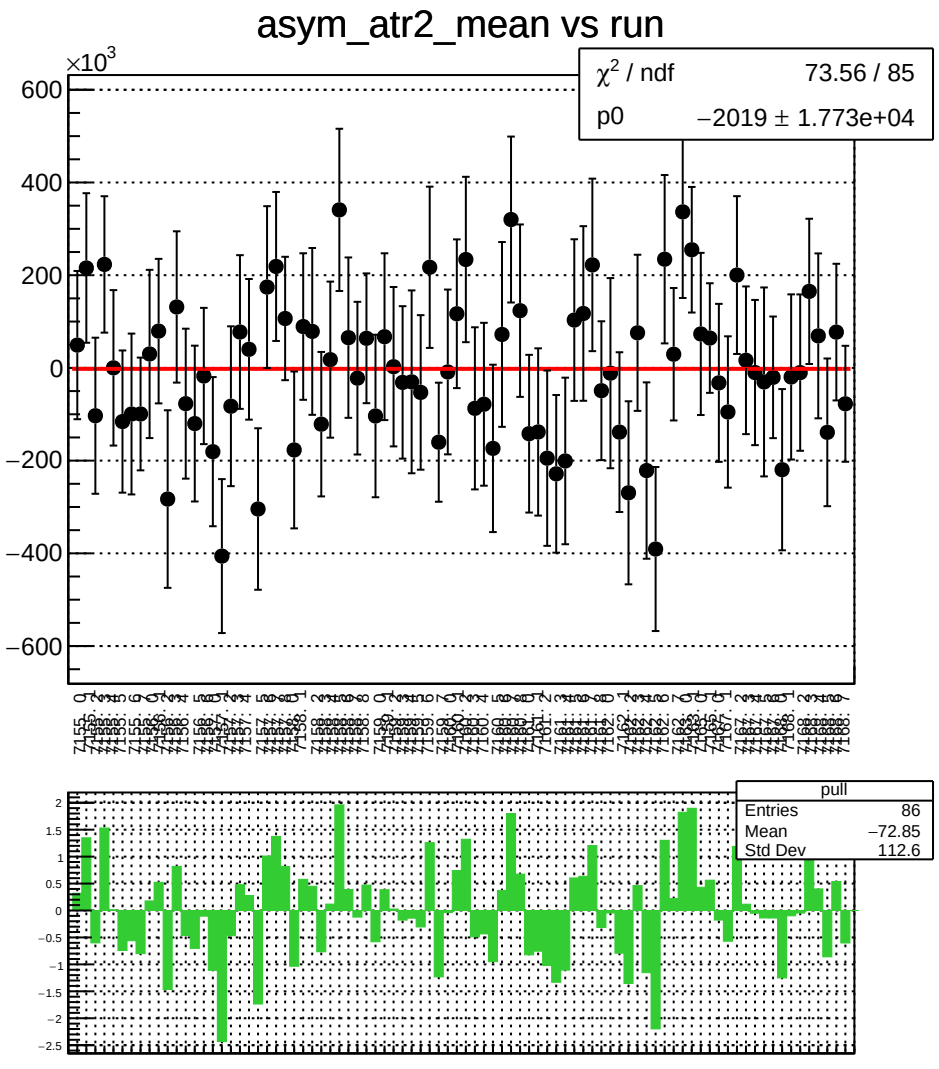

pull1D
Entries 86
Mean 0.005333
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

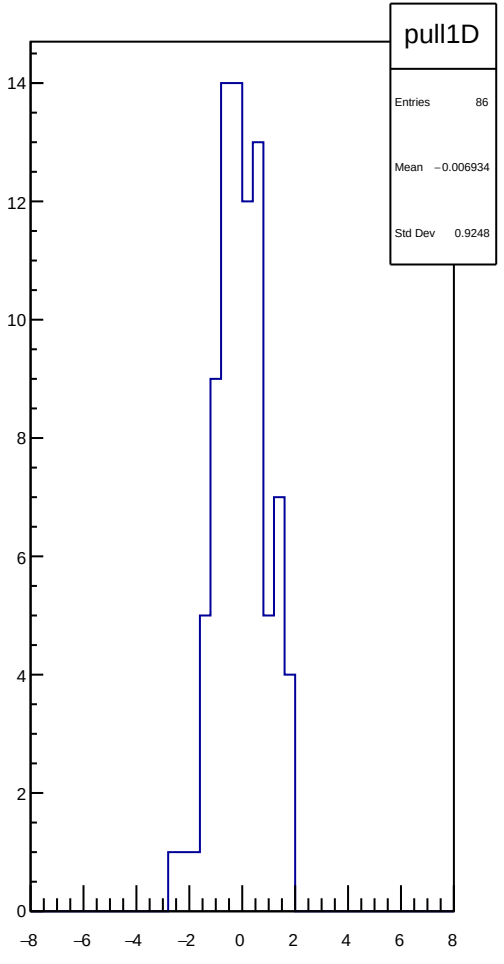

dit_asym_atr2_rms vs run
χ^2 / ndf 586.2 / 85
p0 2650 ± 2.05
2850
2800
2750
2700
2650
2600
2550

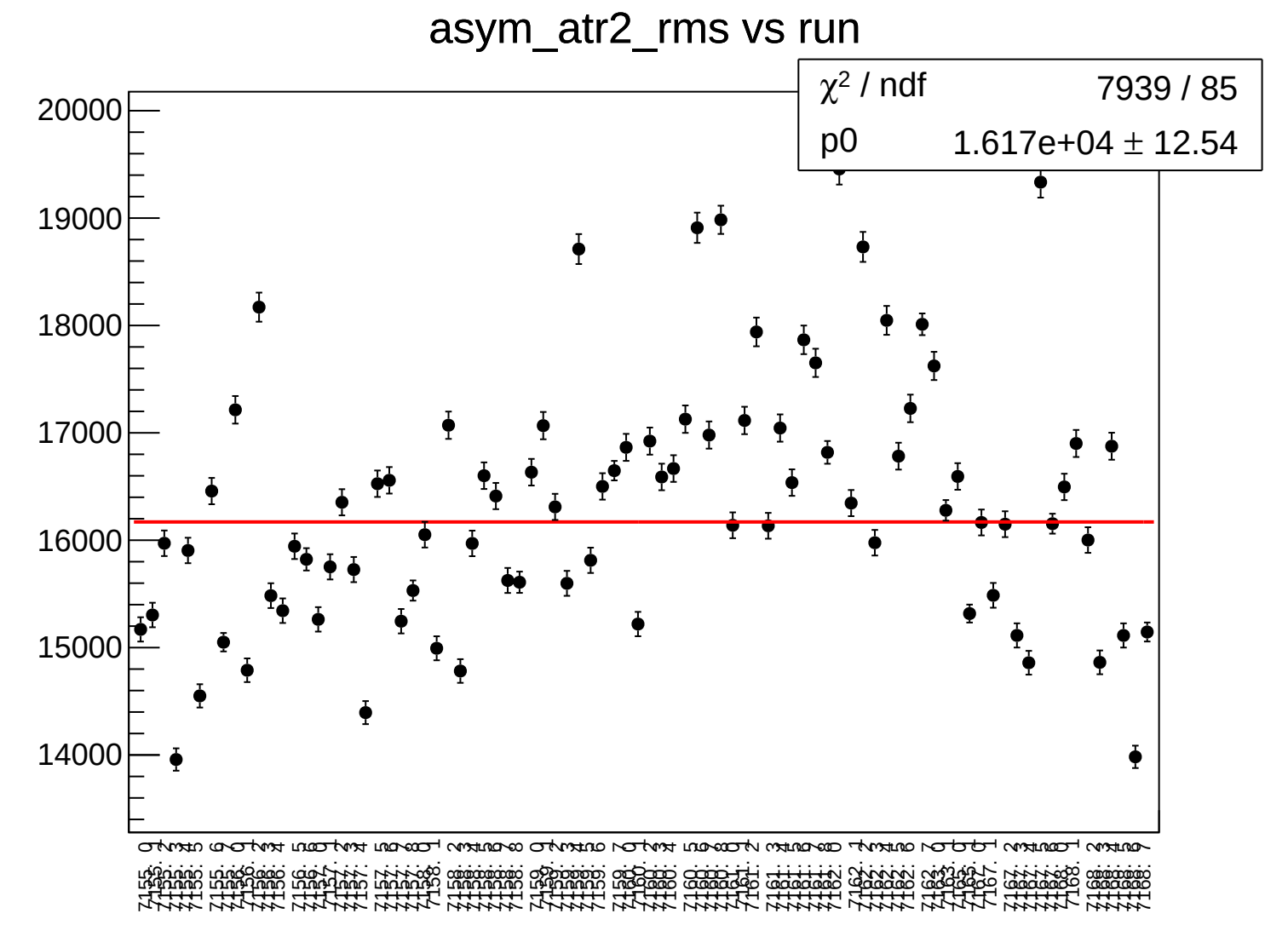

asym_atr2_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 73.36 / 85
p0 −2900 ± 1.719e+04
pull
Entries 86
Mean 5.138
Std Dev 36.58
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

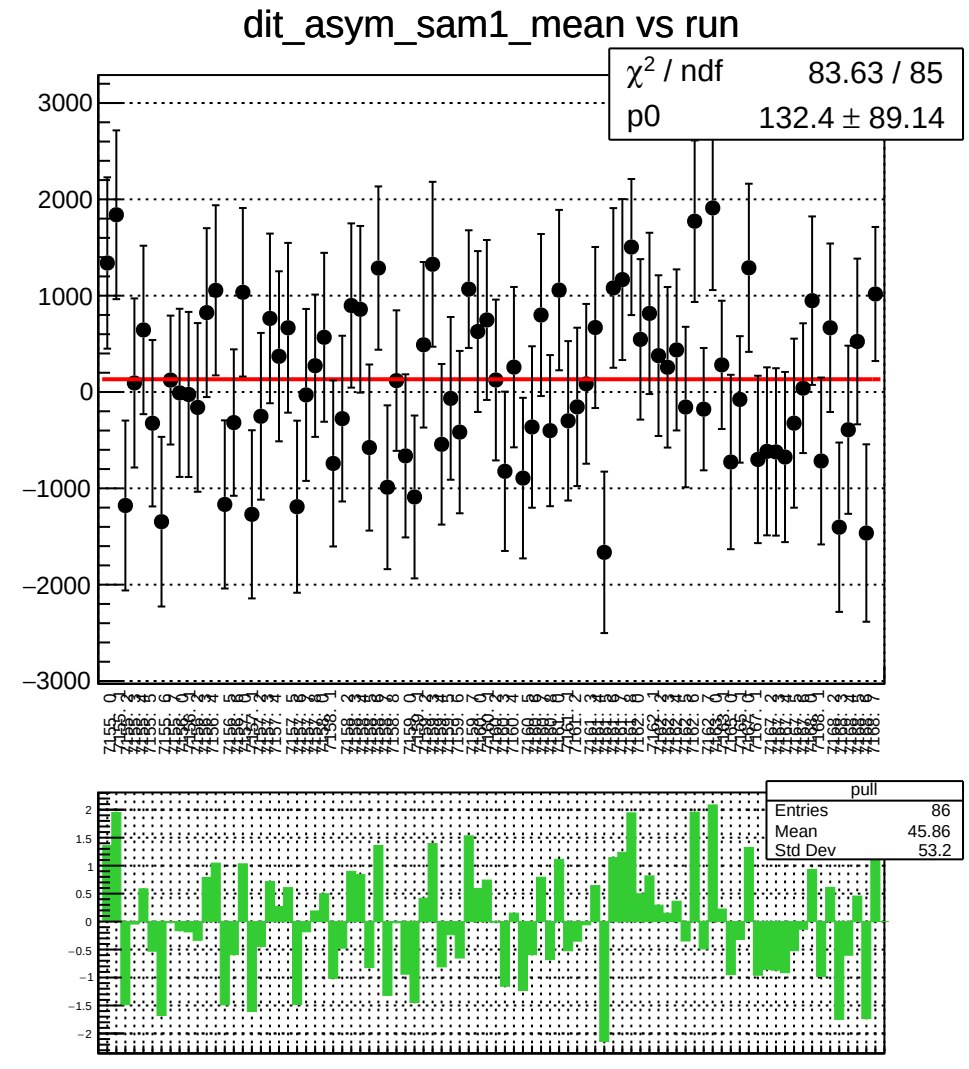

pull1D
Entries 86
Mean 0.009621
Std Dev 0.9235
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

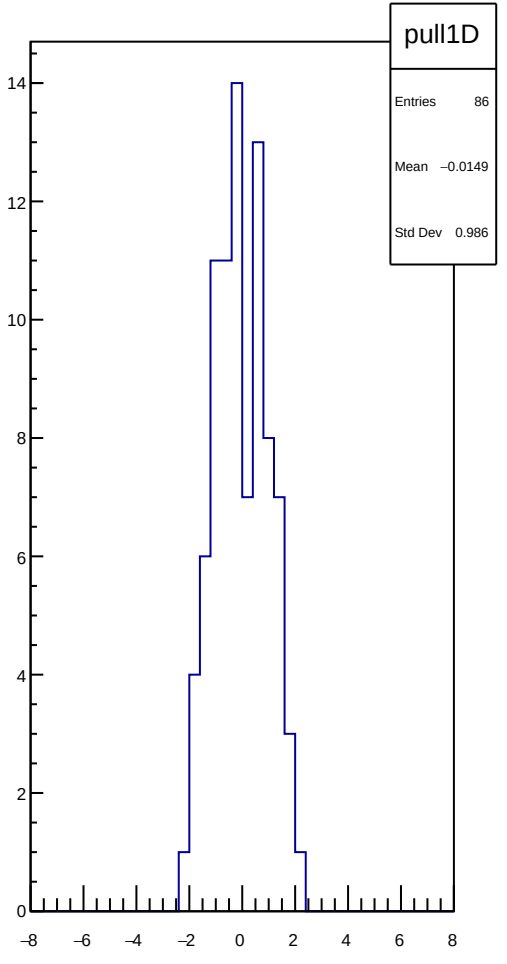

asym_atr2_correction_rms vs run
χ² / ndf 8143 / 85
p0 1.568e+04 ± 12.16
19000
18000
17000
16000
15000
14000
13000

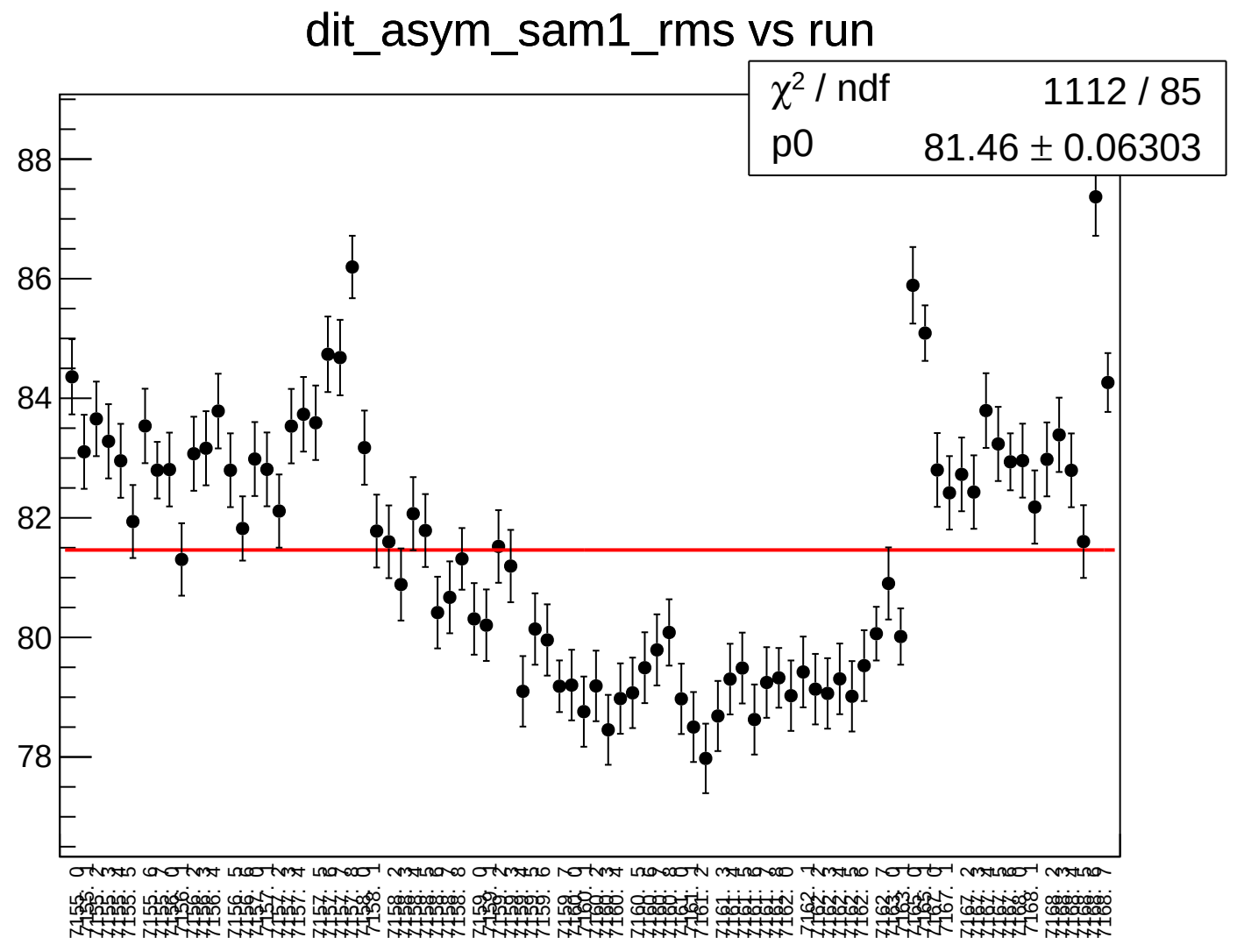

asym_atr2_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 73.56 / 85
p0 −2019 ± 1.773e+04
pull
Entries 86
Mean −72.85
Std Dev 112.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

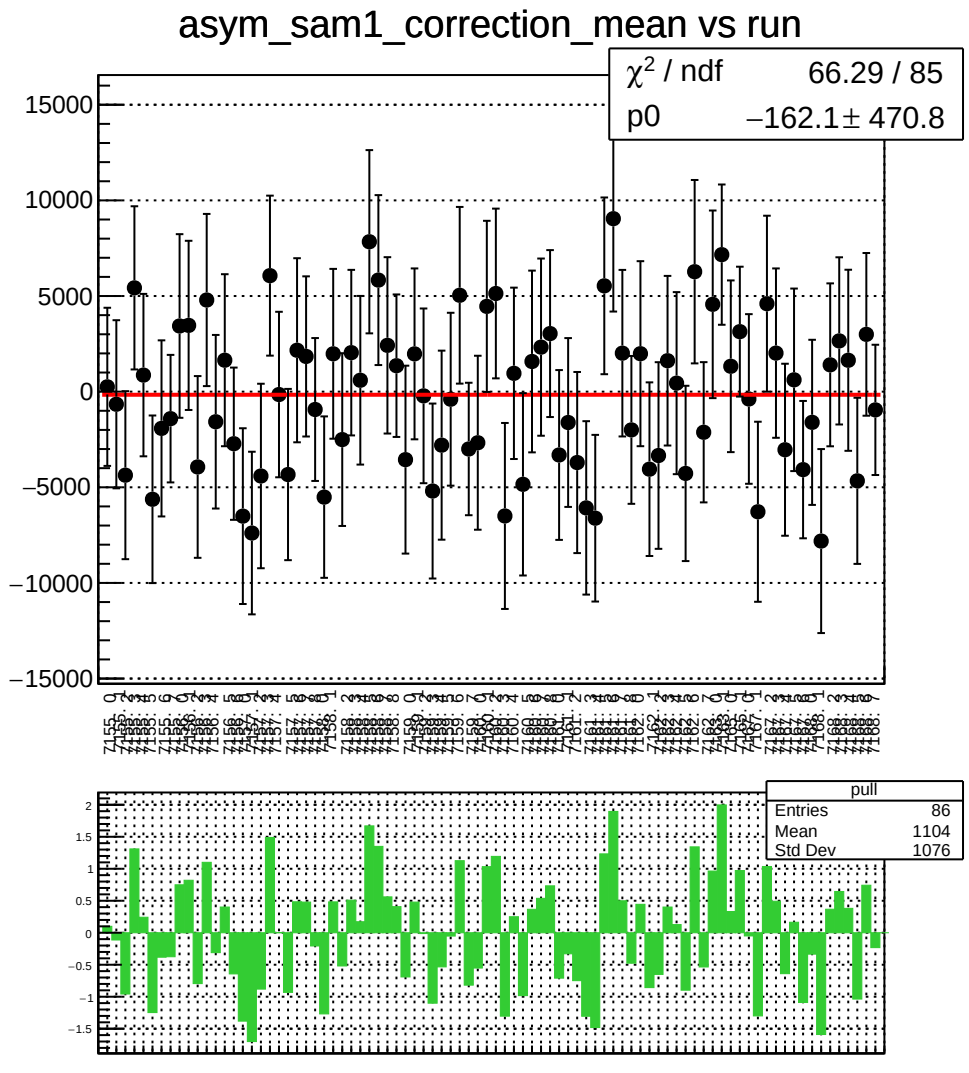

pull1D
Entries 86
Mean −0.006934
Std Dev 0.9248
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

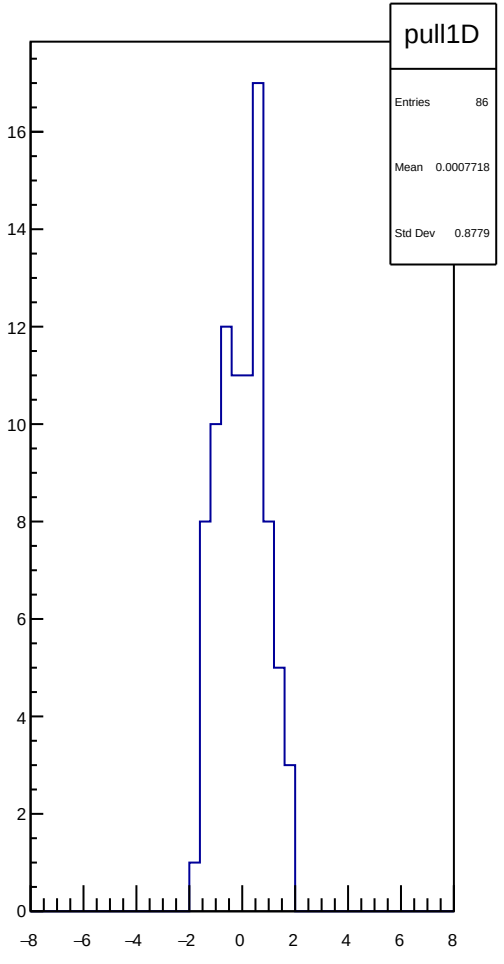

asym_atr2_rms vs run
χ² / ndf 7939 / 85
p0 1.617e+04 ± 12.54
20000
19000
18000
17000
16000
15000
14000

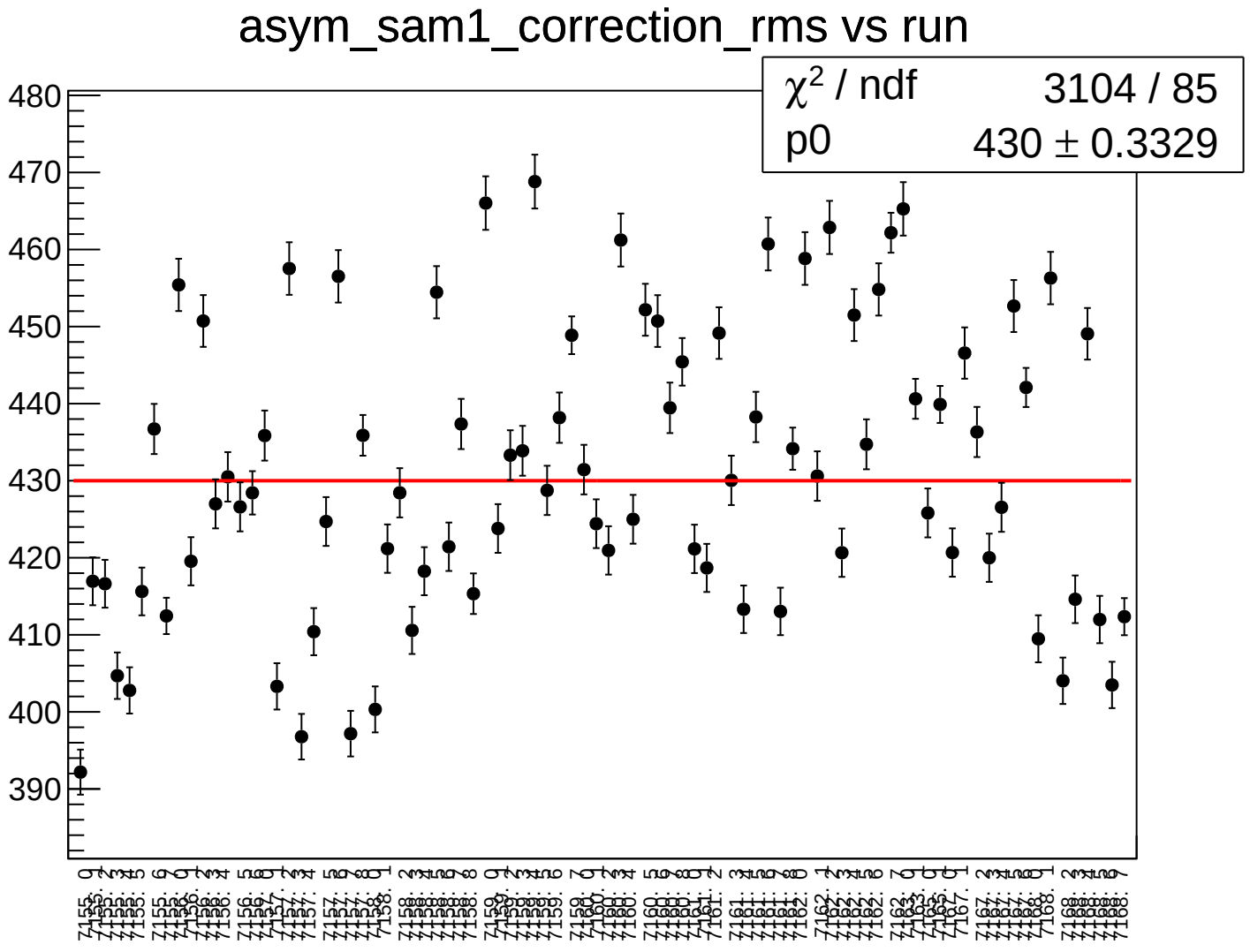

dit_asym_sam1_mean vs run
χ^2 / ndf 83.63 / 85
p0 132.4 ± 89.14
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean 45.86
Std Dev 53.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

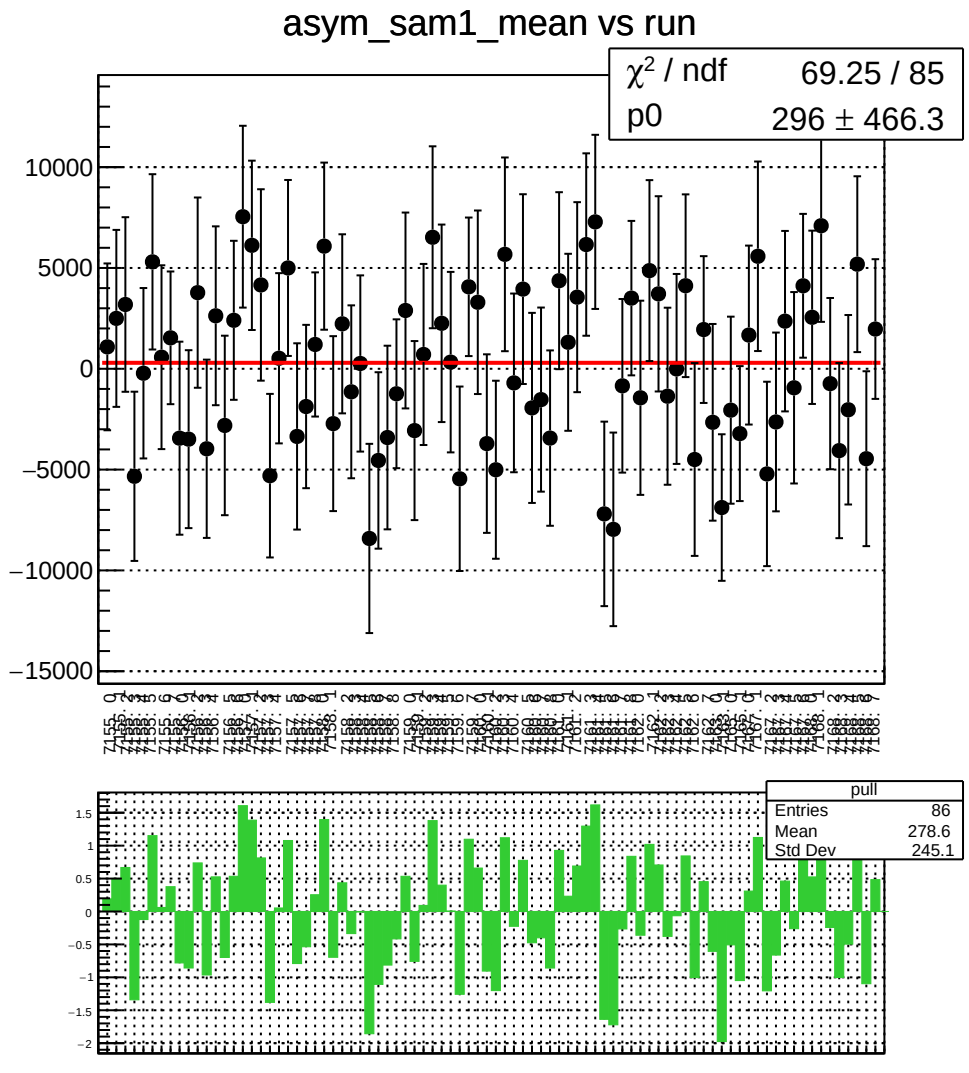

pull1D
Entries 86
Mean −0.0149
Std Dev 0.986
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

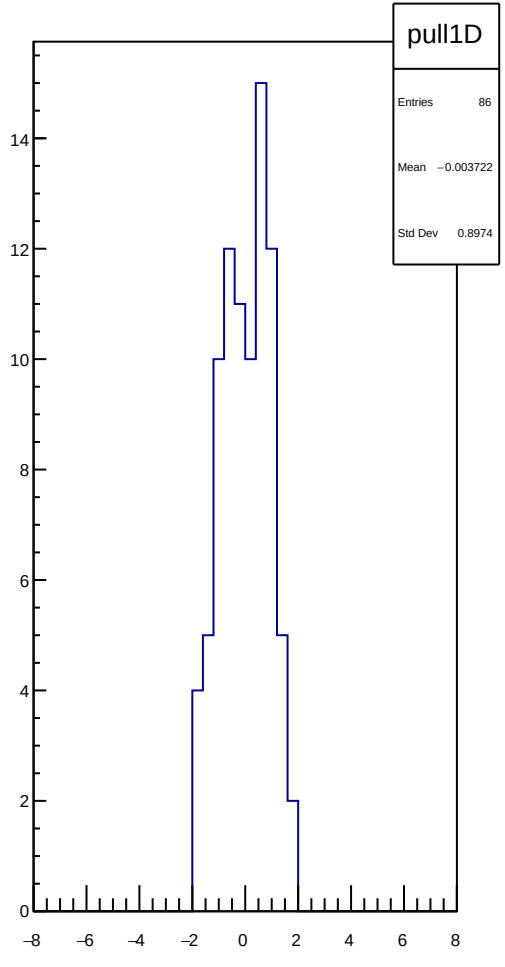

dit_asym_sam1_rms vs run
χ² / ndf 1112 / 85
p0 81.46 ± 0.06303
88
86
84
82
80
78

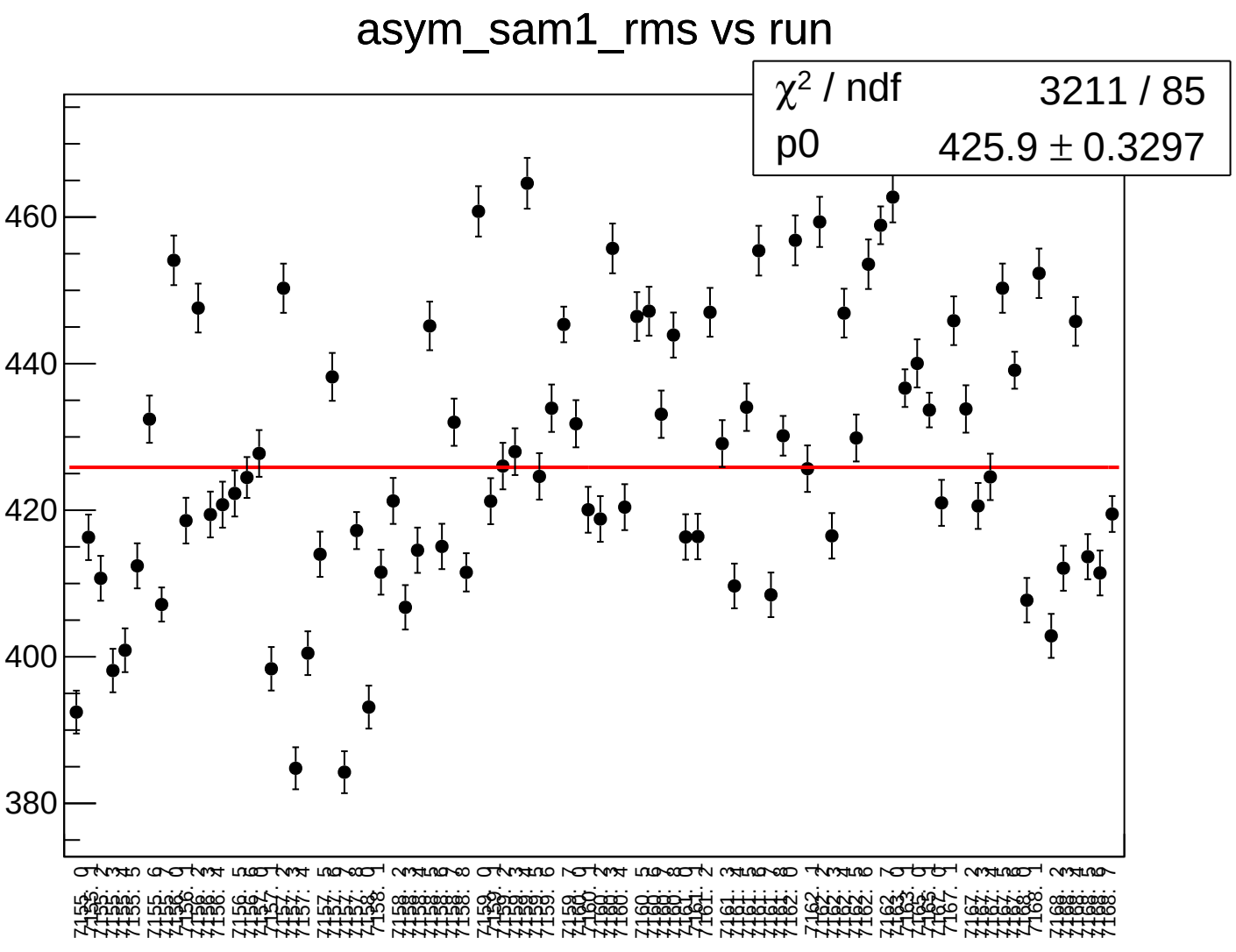

asym_sam1_correction_mean vs run
χ² / ndf 66.29 / 85
p0 −162.1± 470.8
pull
Entries 86
Mean 1104
Std Dev 1076

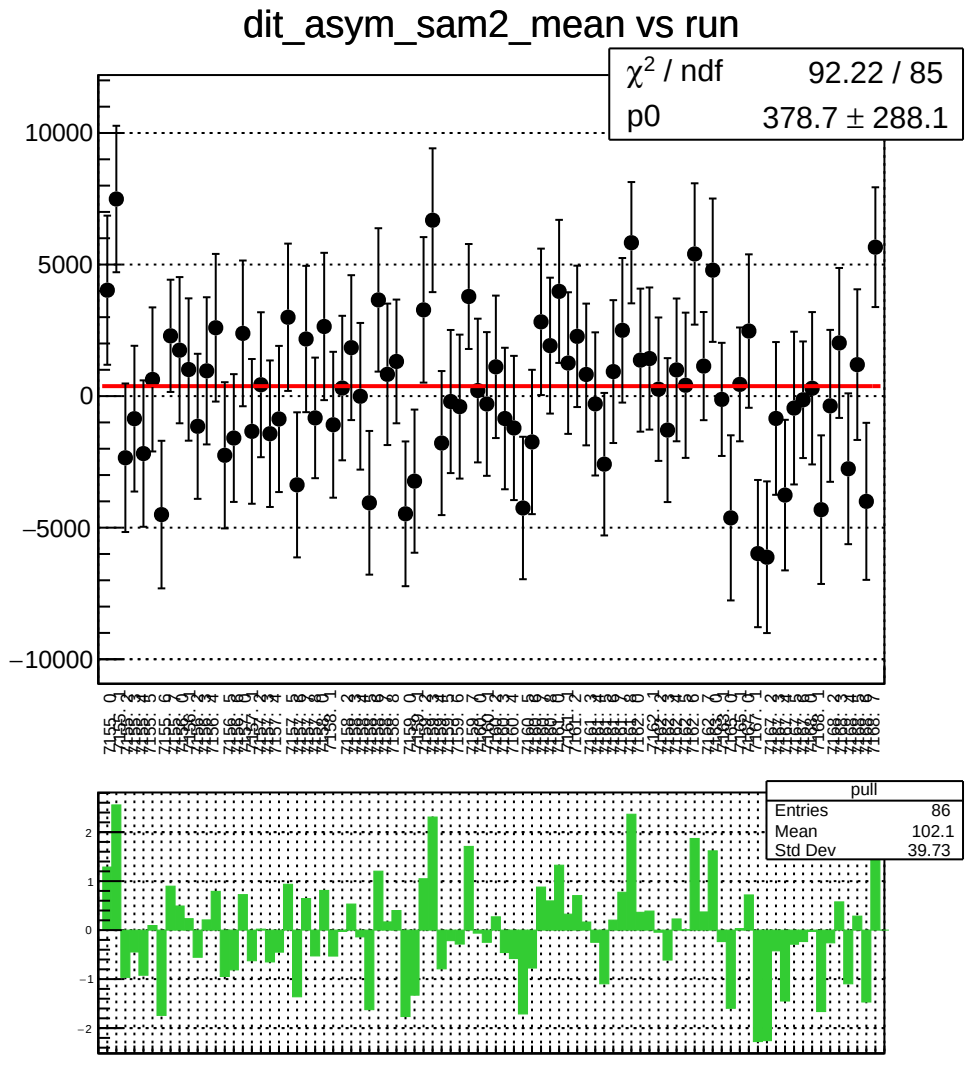

pull1D
Entries 86
Mean 0.0007718
Std Dev 0.8779

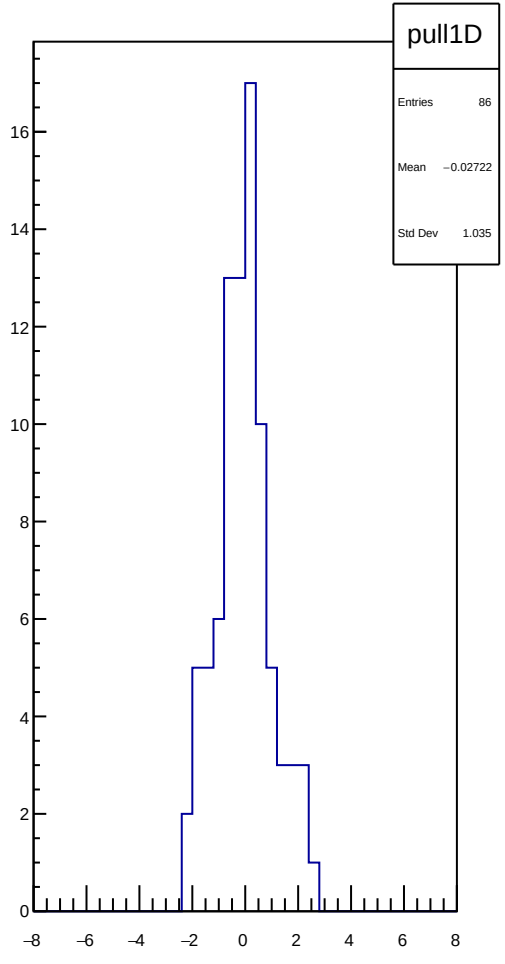

asym_sam1_correction_rms vs run
χ² / ndf 3104 / 85
p0 430 ± 0.3329
480
470
460
450
440
430
420
410
400
390

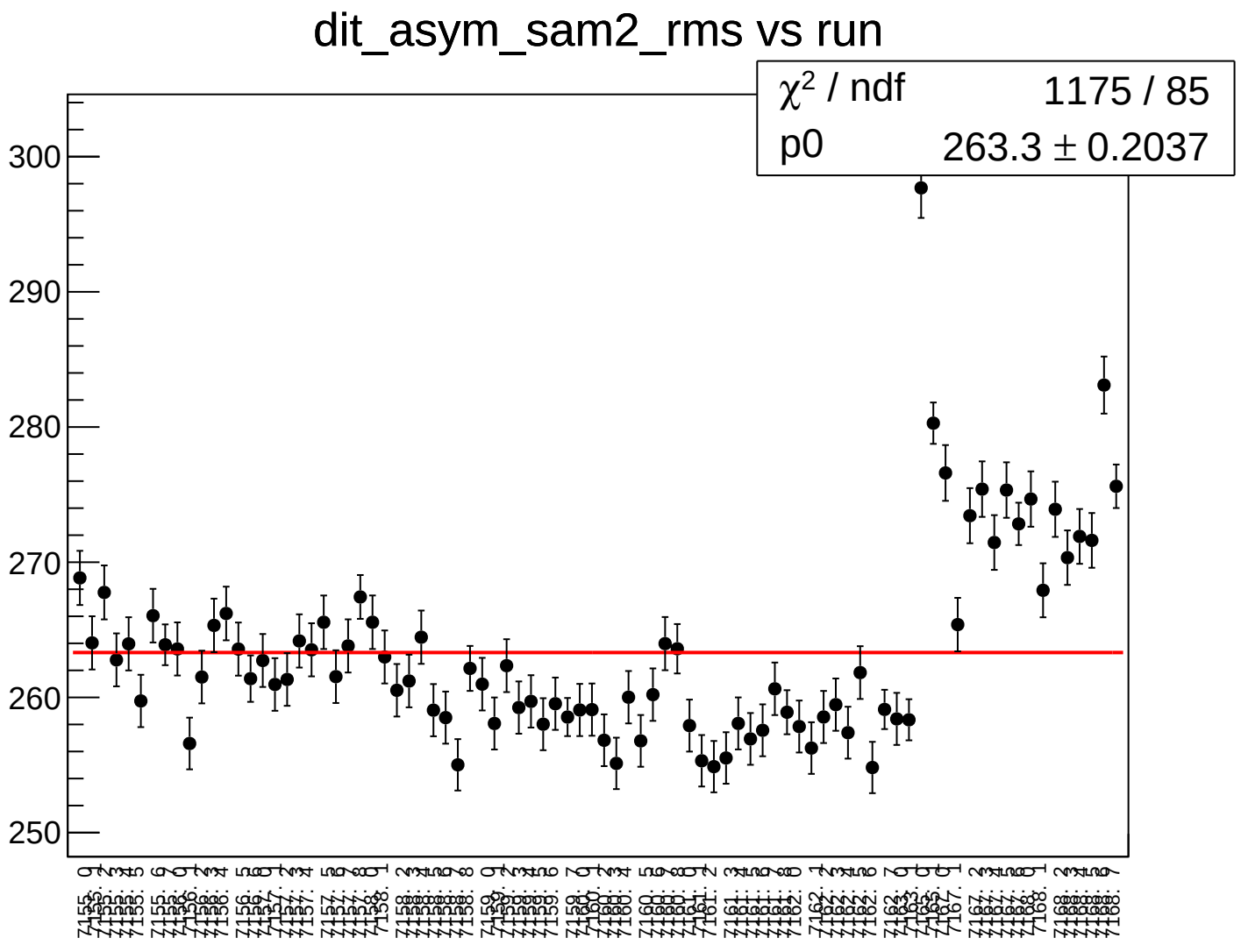

asym_sam1_mean vs run
χ² / ndf 69.25 / 85
p0 296 ± 466.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 278.6
Std Dev 245.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

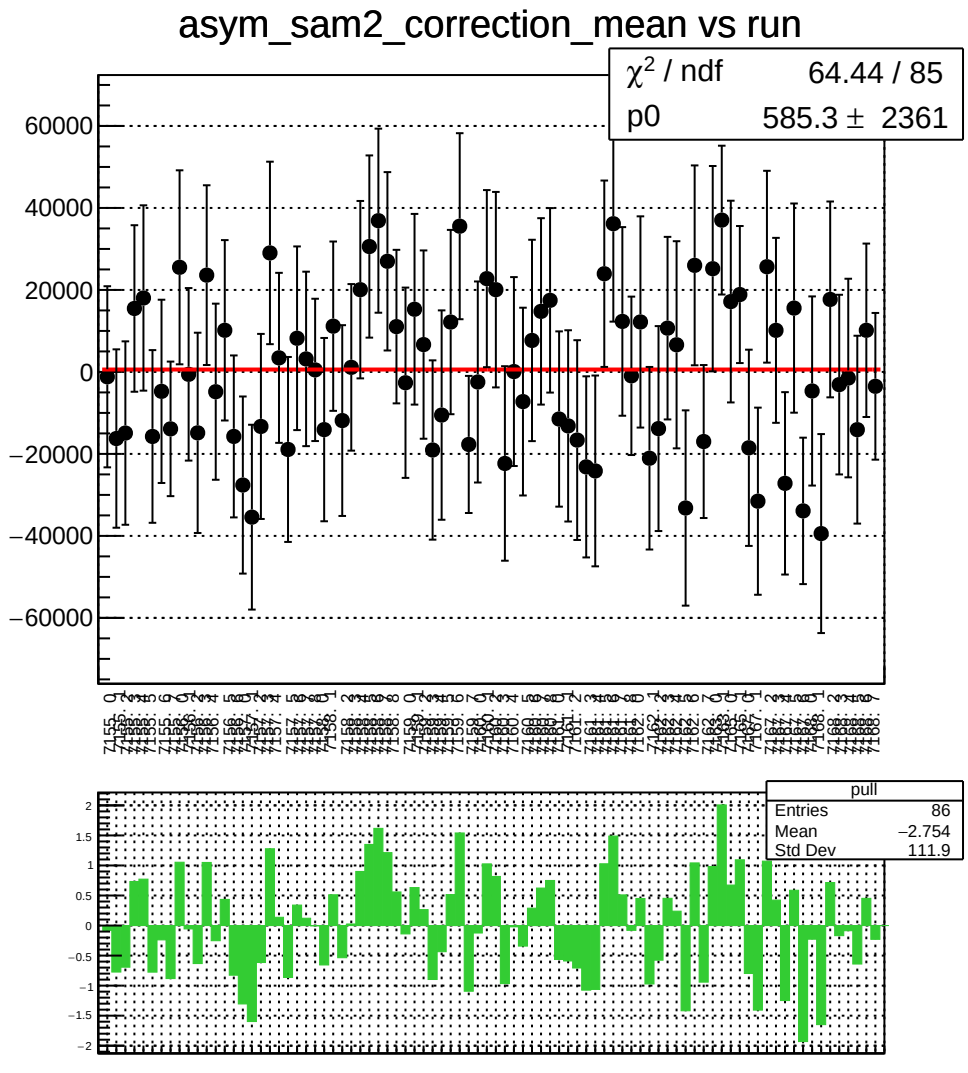

pull1D
Entries 86
Mean −0.003722
Std Dev 0.8974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

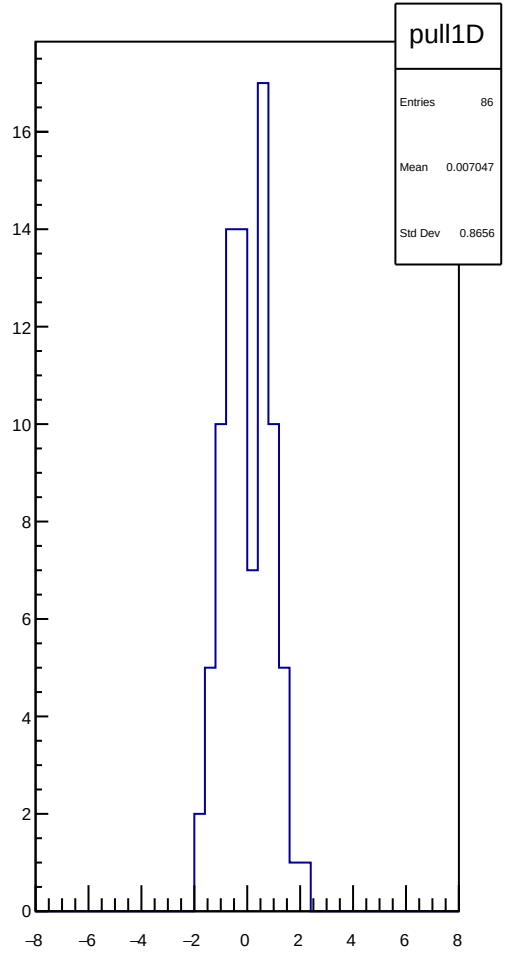

asym_sam1_rms vs run
χ² / ndf 3211 / 85
p0 425.9 ± 0.3297
460
440
420
400
380

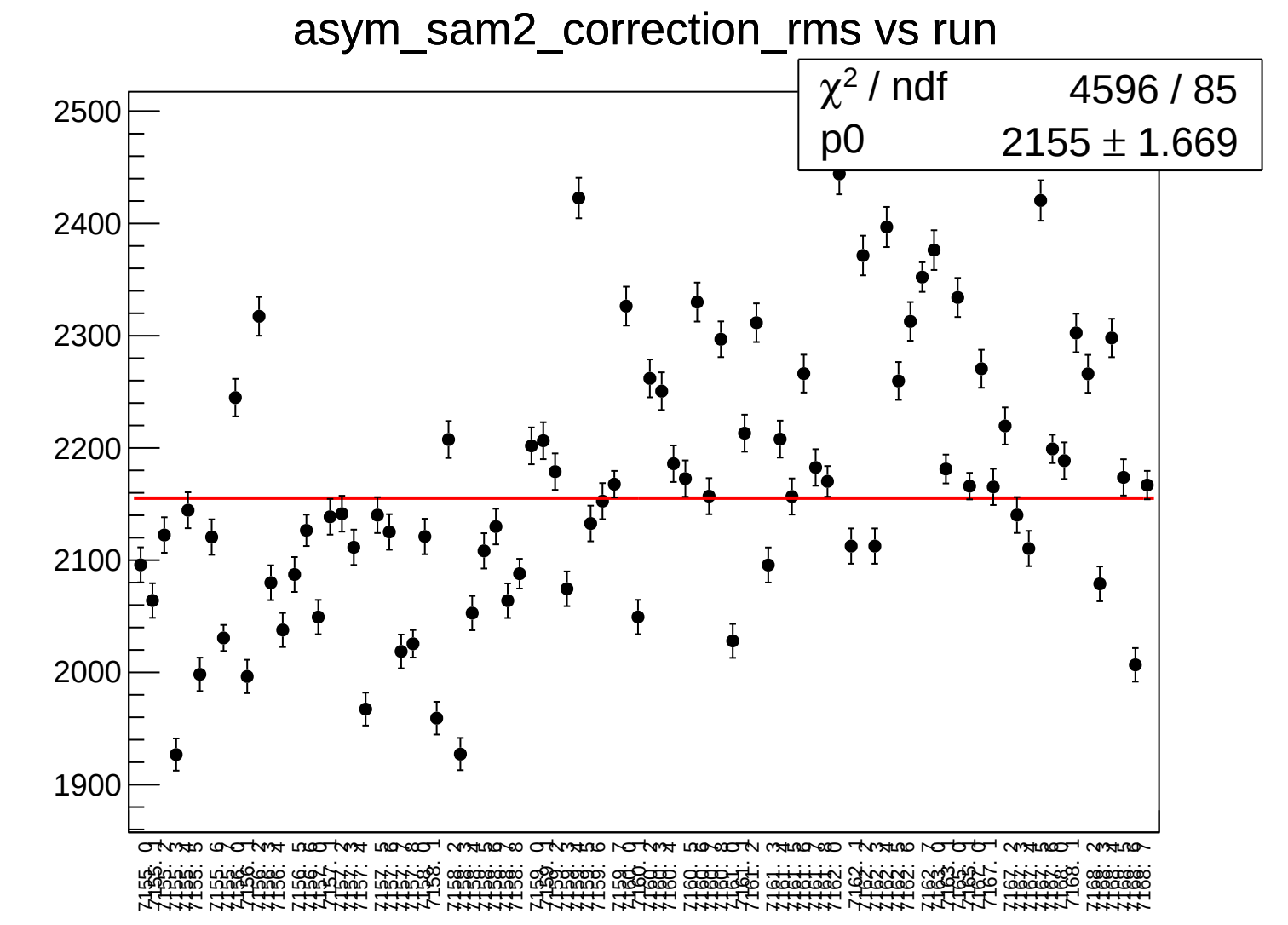

dit_asym_sam2_mean vs run
χ² / ndf 92.22 / 85
p0 378.7 ± 288.1
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 102.1
Std Dev 39.73
2
1
0
−1
−2

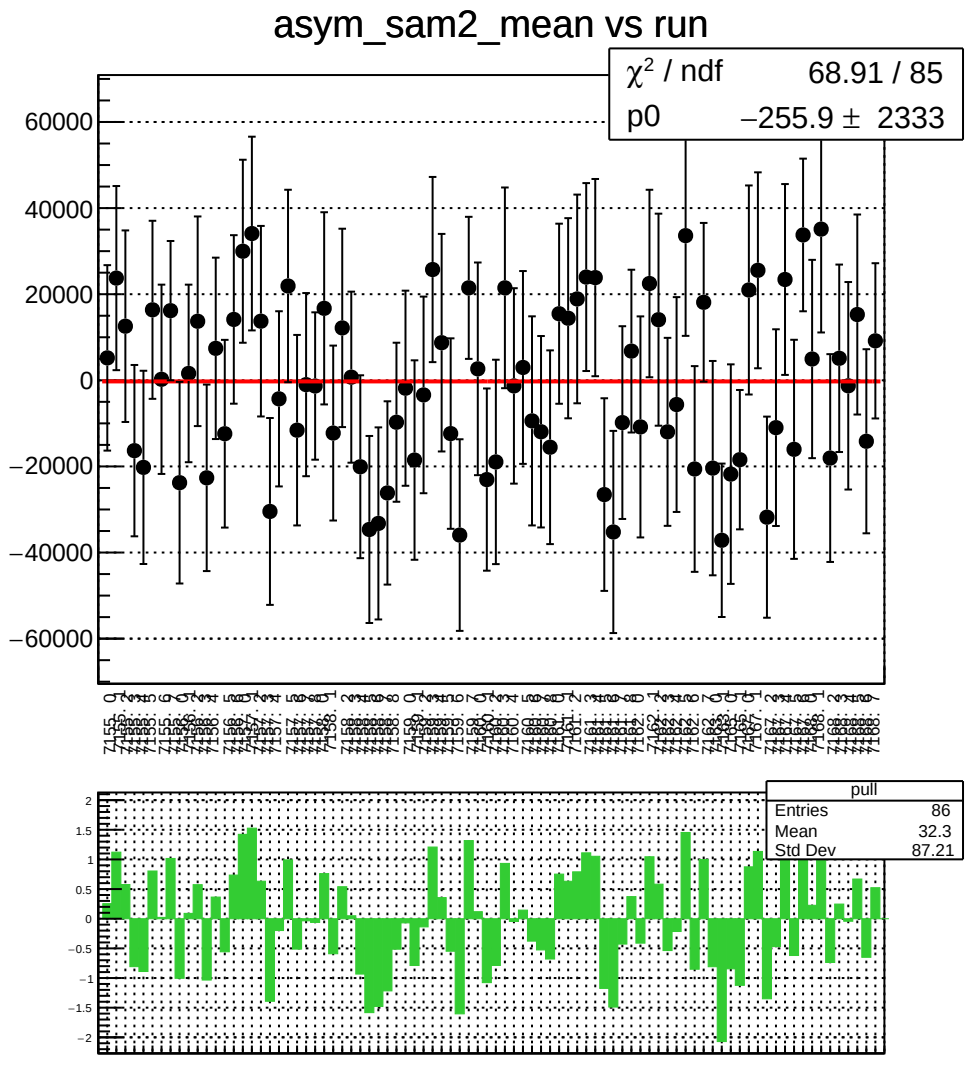

pull1D
Entries 86
Mean −0.02722
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

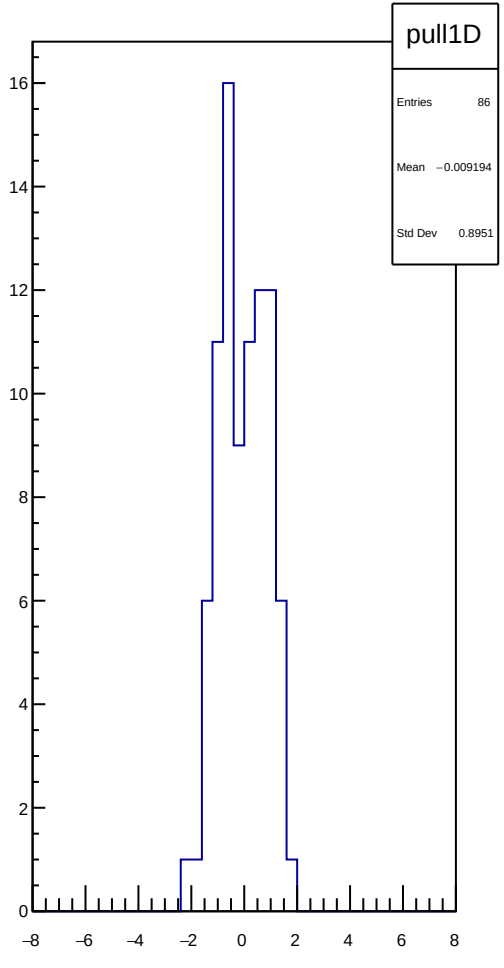

dit_asym_sam2_rms vs run
χ² / ndf 1175 / 85
p0 263.3 ± 0.2037
300
290
280
270
260
250

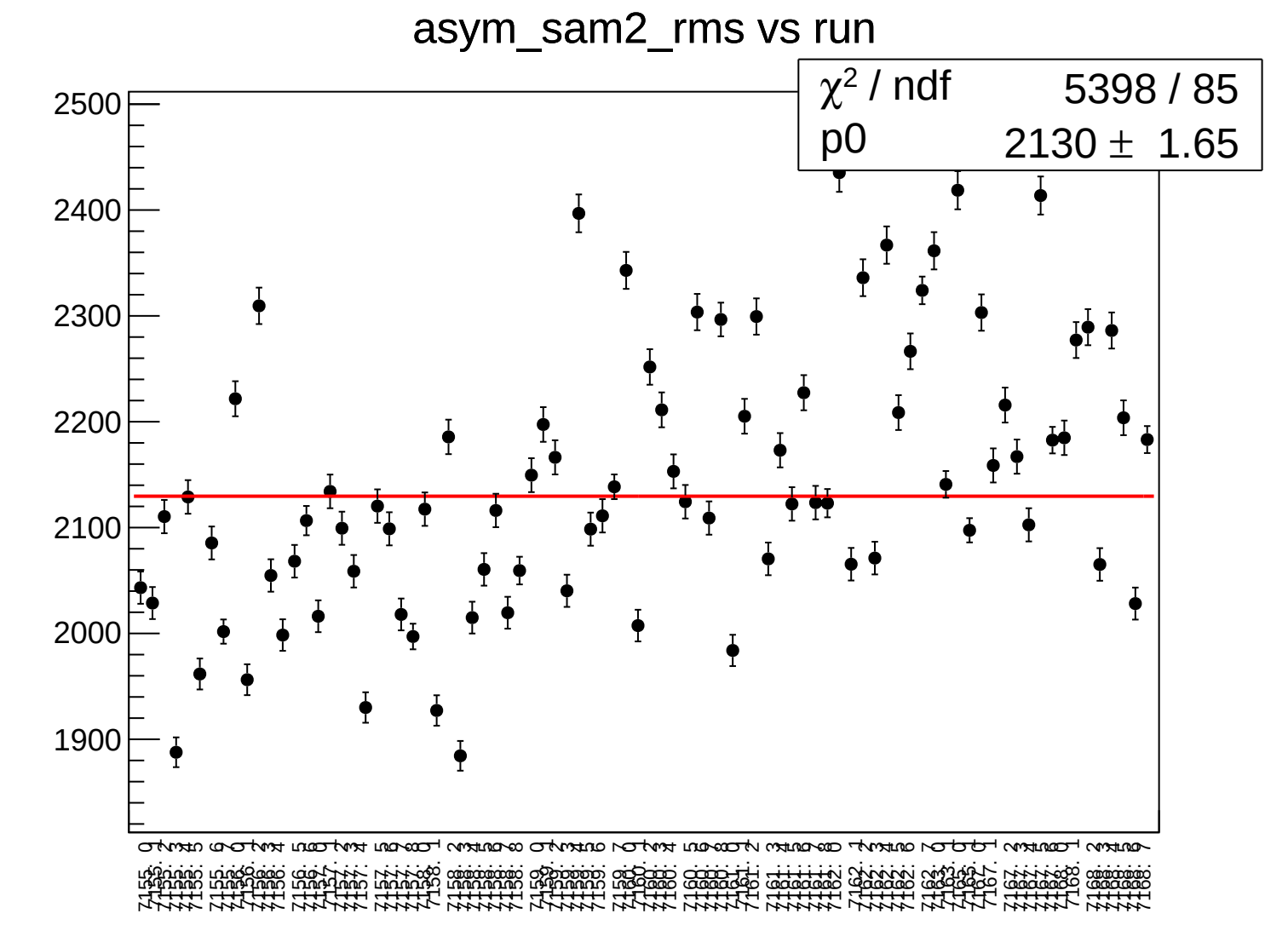

asym_sam2_correction_mean vs run
χ² / ndf 64.44 / 85
p0 585.3 ± 2361
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −2.754
Std Dev 111.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

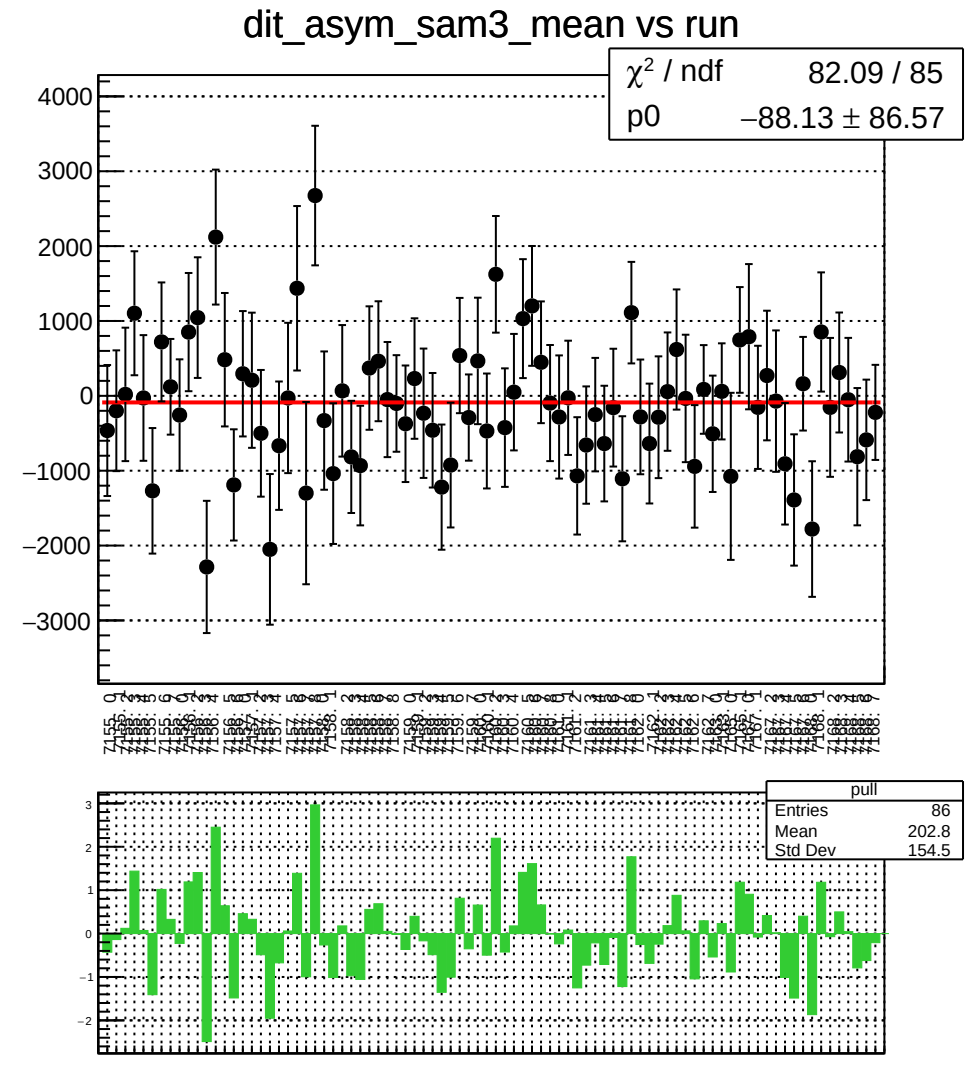

pull1D
Entries 86
Mean 0.007047
Std Dev 0.8656
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

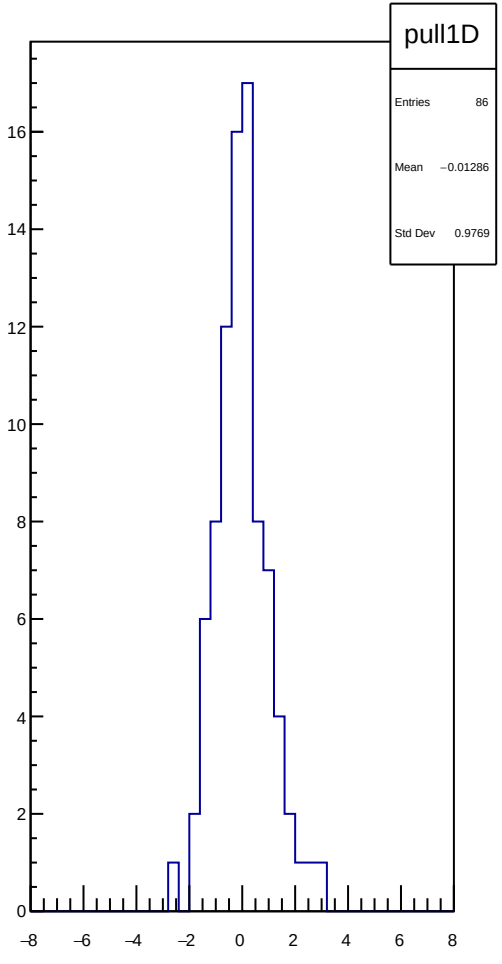

asym_sam2_correction_rms vs run
χ² / ndf 4596 / 85
p0 2155 ± 1.669
2500
2400
2300
2200
2100
2000
1900

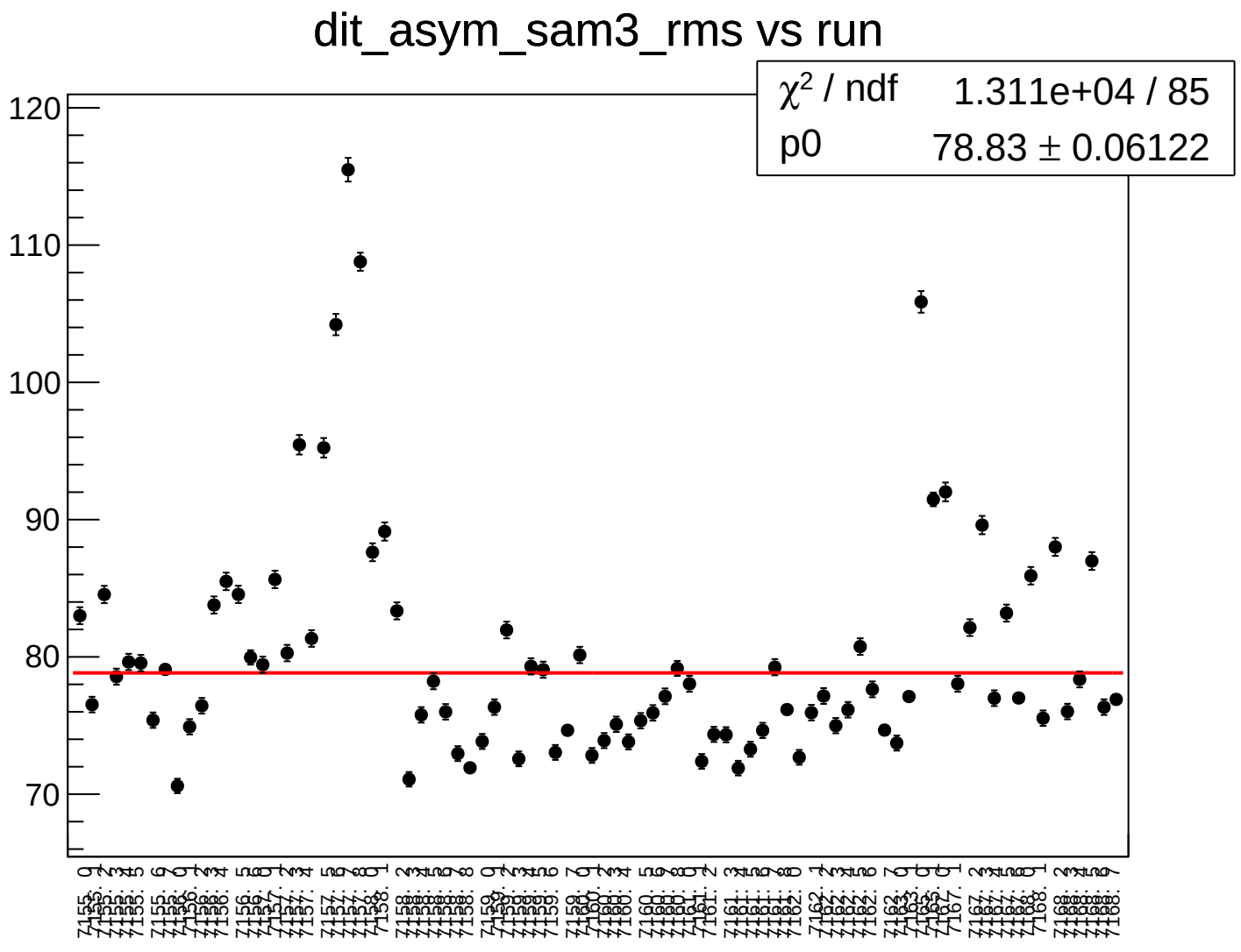

asym_sam2_mean vs run
χ² / ndf 68.91 / 85
p0 −255.9 ± 2333
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 32.3
Std Dev 87.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

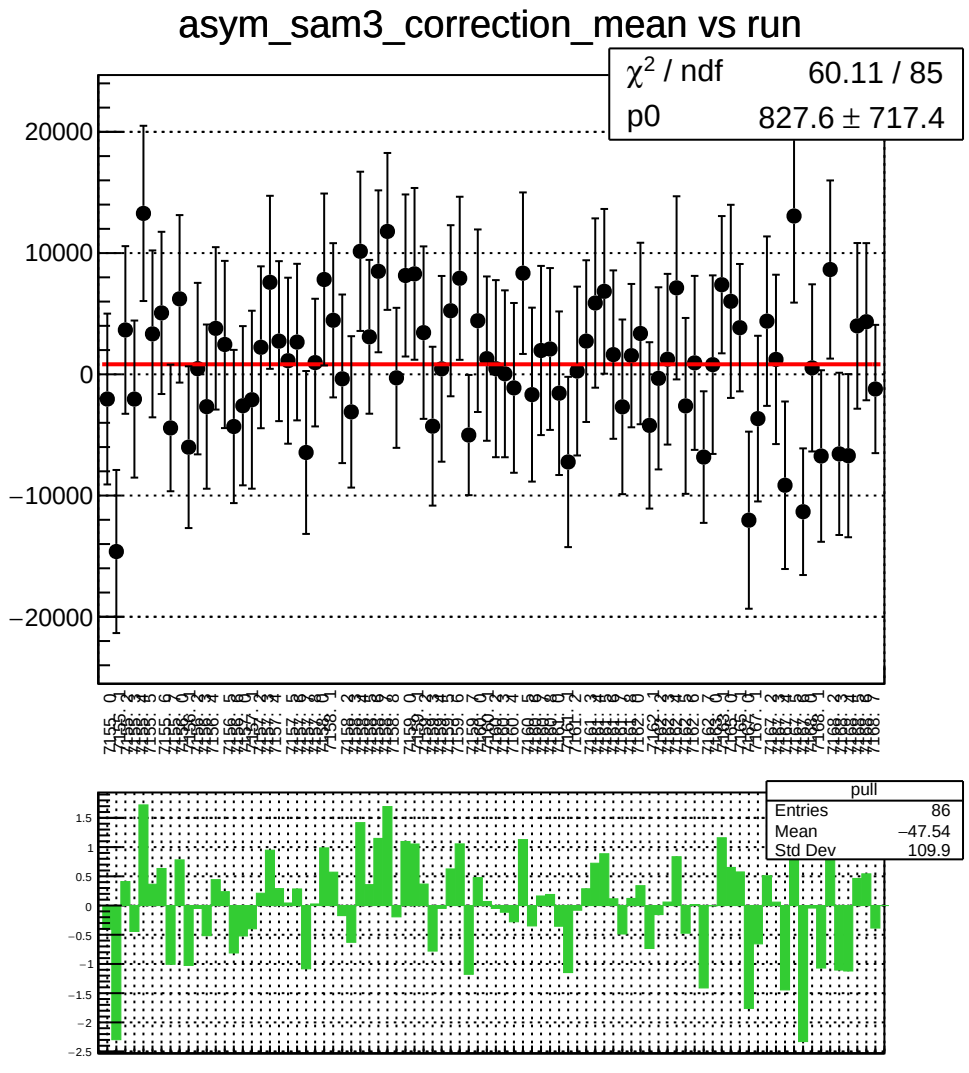

pull1D
Entries 86
Mean −0.009194
Std Dev 0.8951
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

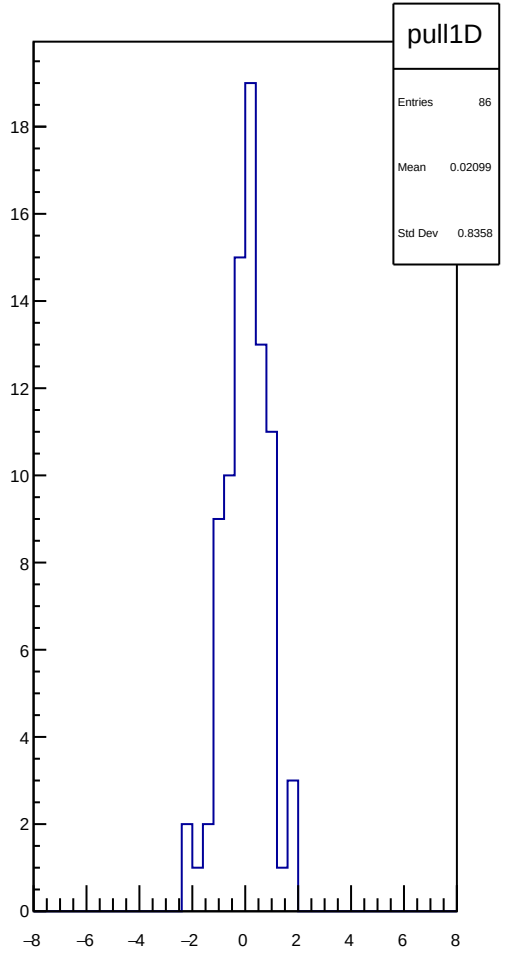

asym_sam2_rms vs run
χ² / ndf 5398 / 85
p0 2130 ± 1.65
2500
2400
2300
2200
2100
2000
1900

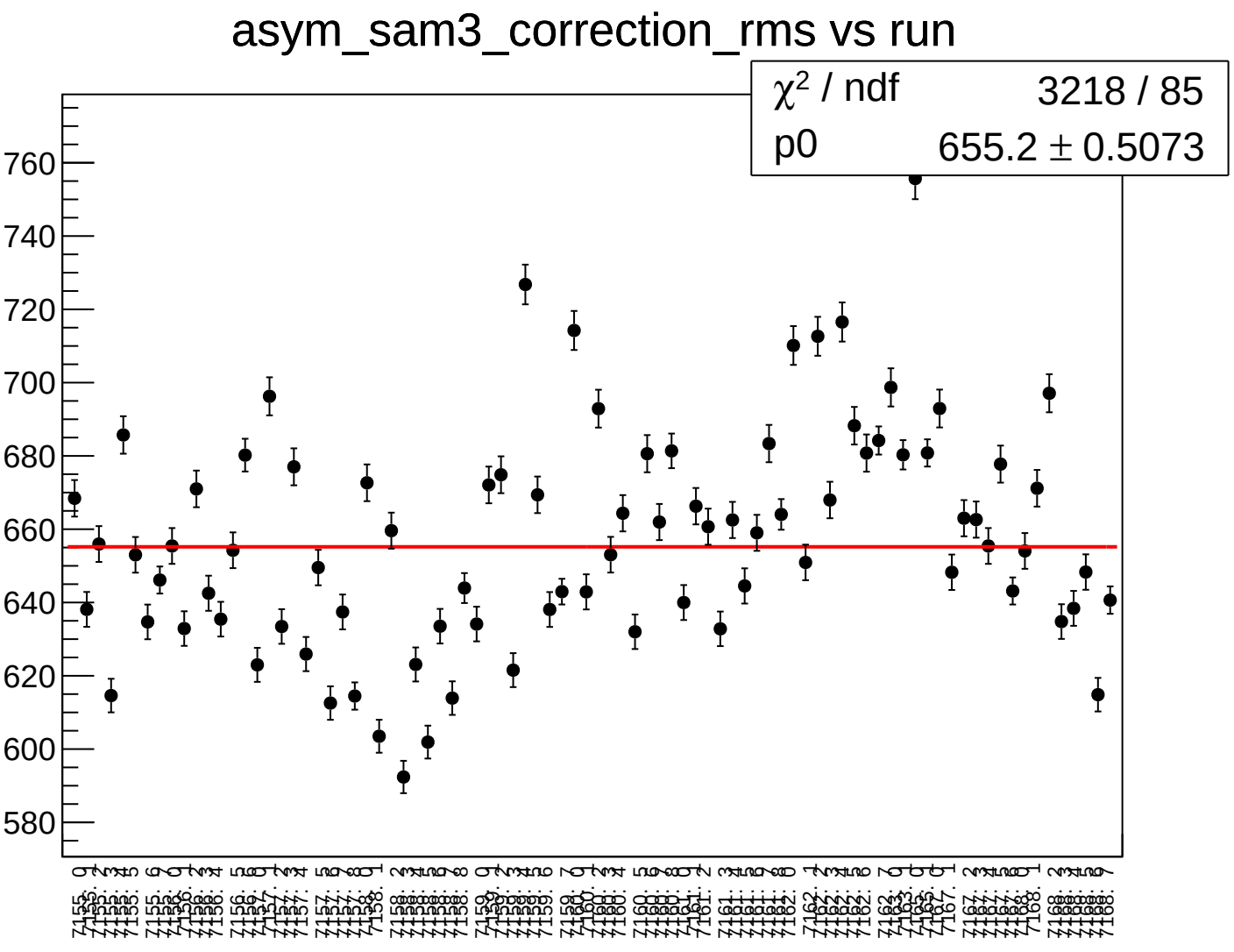

dit_asym_sam3_mean vs run
χ² / ndf 82.09 / 85
p0 −88.13 ± 86.57
pull
Entries 86
Mean 202.8
Std Dev 154.5

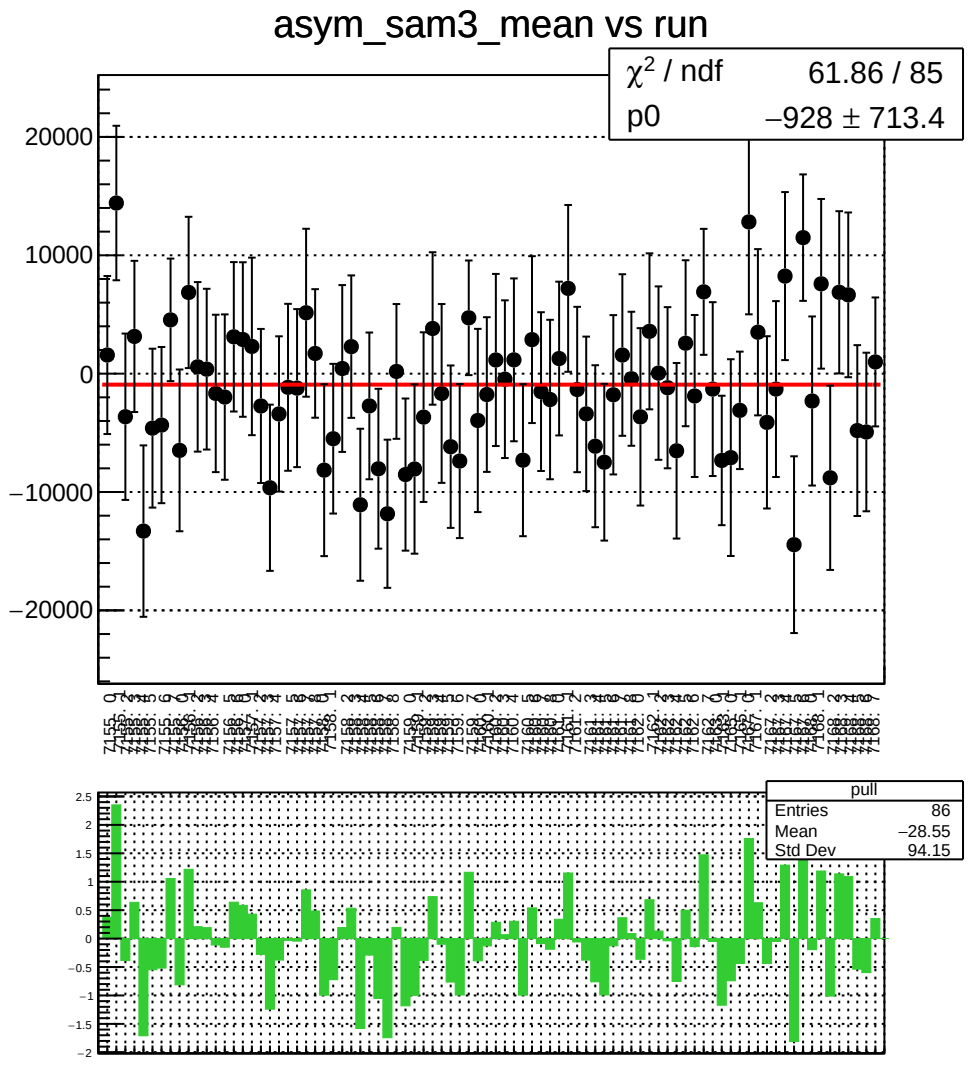

pull1D
Entries 86
Mean −0.01286
Std Dev 0.9769

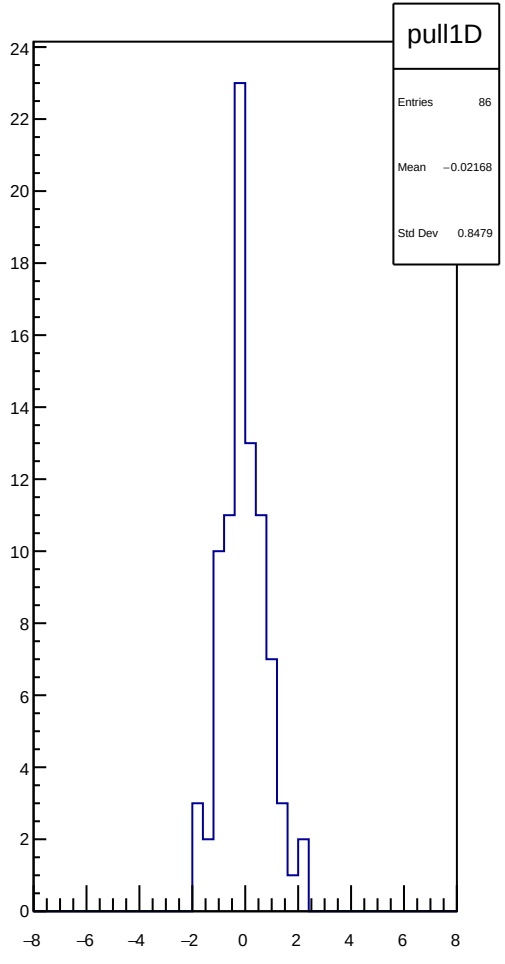

dit_asym_sam3_rms vs run
χ^2 / ndf 1.311e+04 / 85
p0 78.83 ± 0.06122
120
110
100
90
80
70

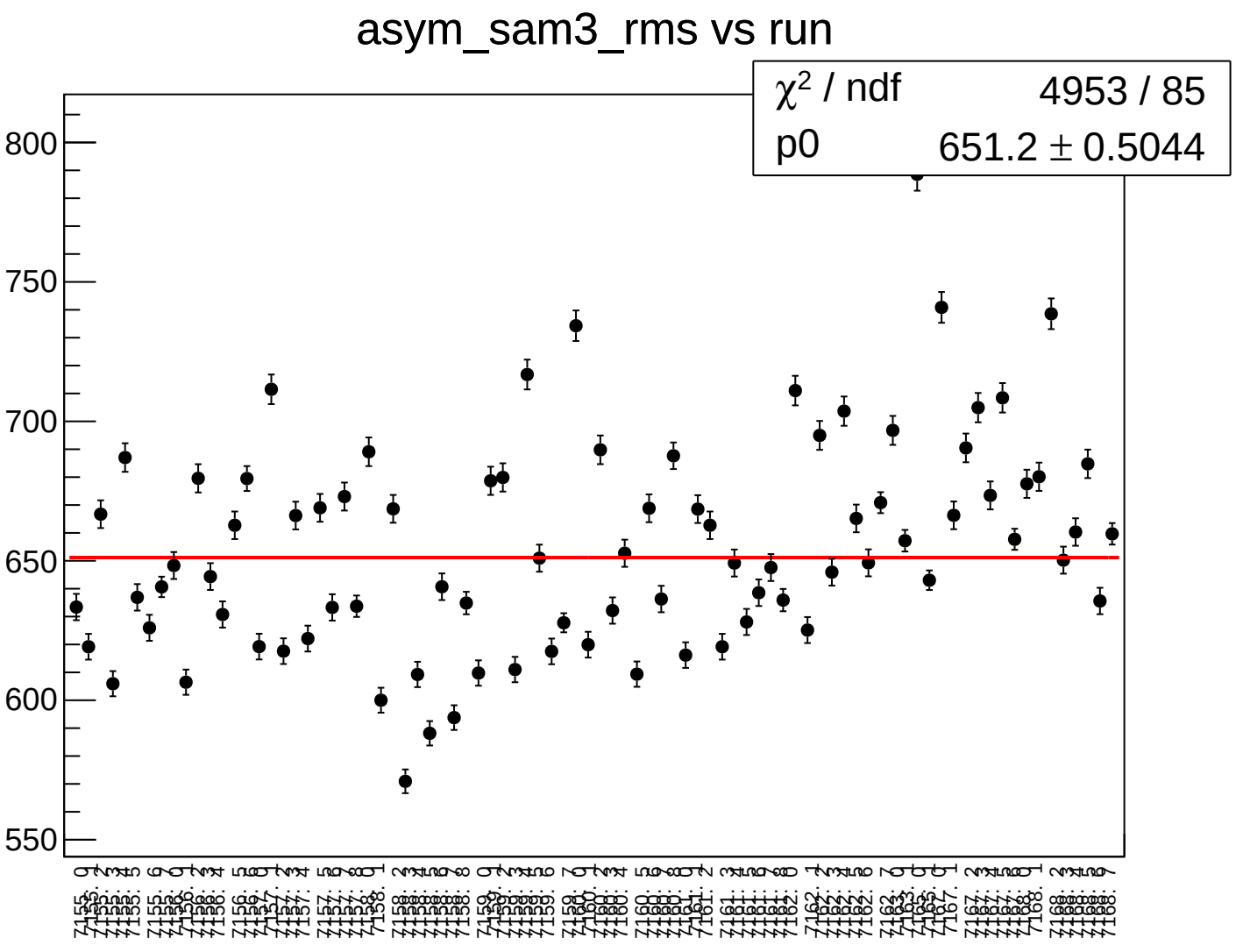

asym_sam3_correction_mean vs run
χ² / ndf 60.11 / 85
p0 827.6 ± 717.4
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −47.54
Std Dev 109.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

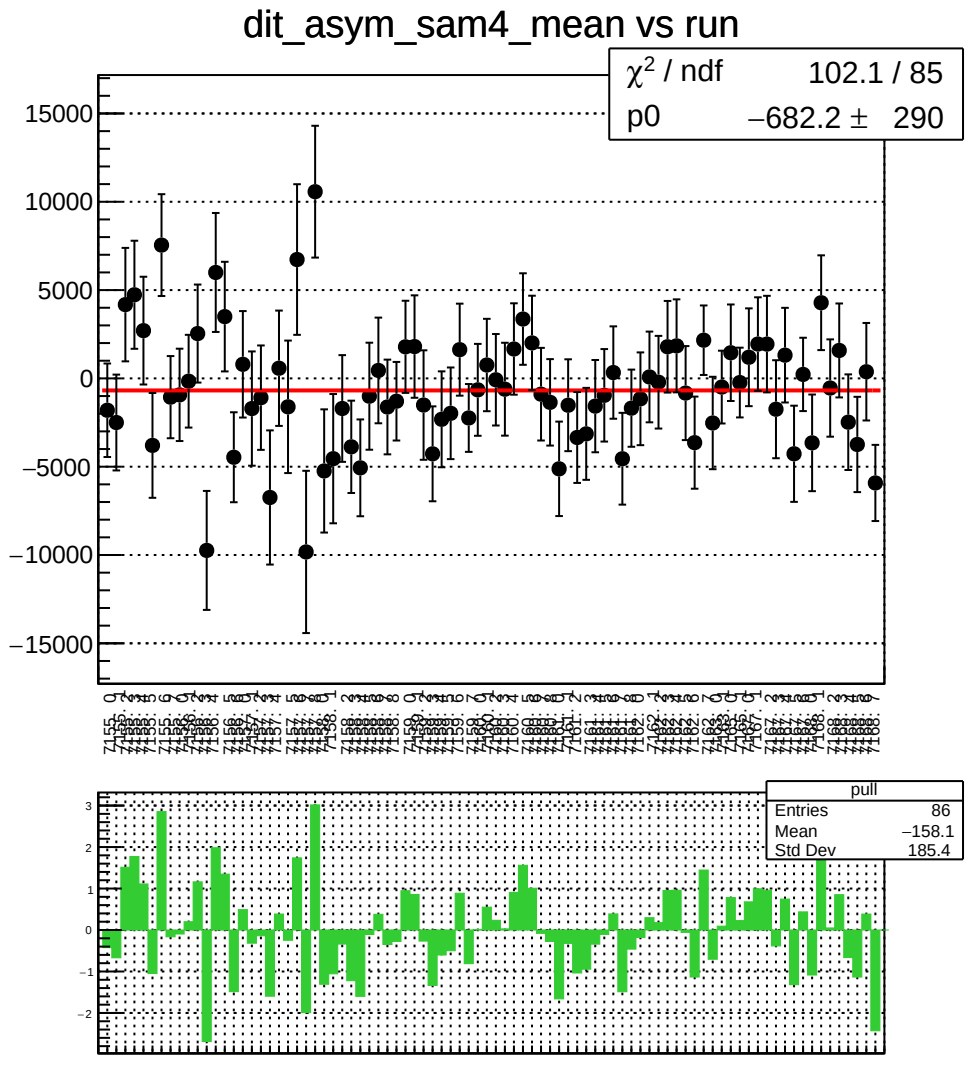

pull1D
Entries 86
Mean 0.02099
Std Dev 0.8358
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

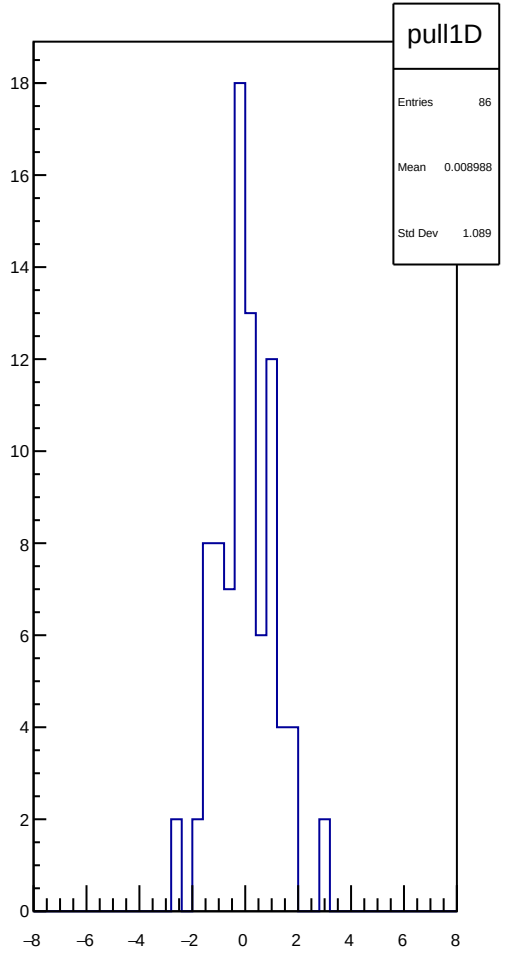

asym_sam3_correction_rms vs run
χ² / ndf 3218 / 85
p0 655.2 ± 0.5073
760
740
720
700
680
660
640
620
600
580

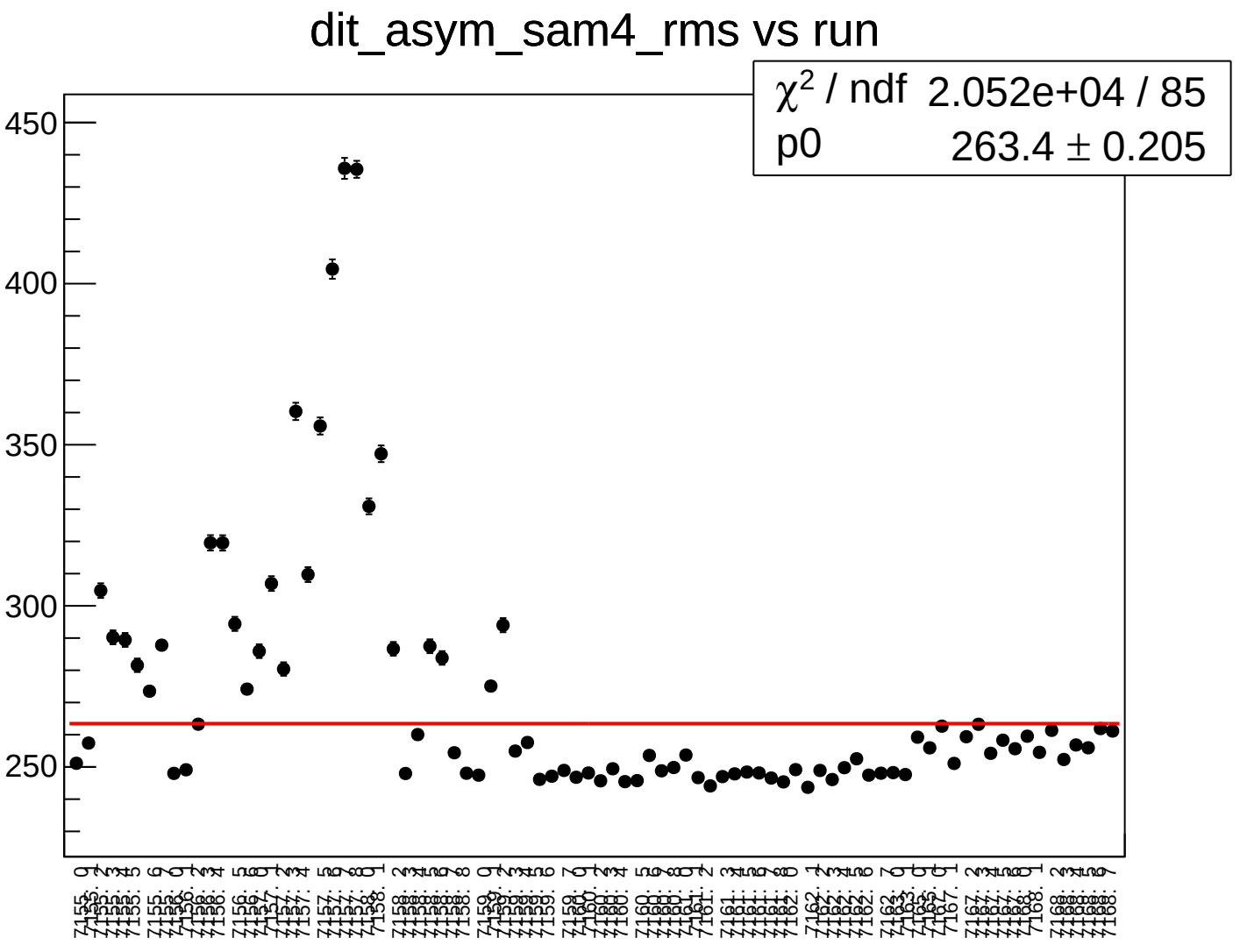

asym_sam3_mean vs run
χ² / ndf 61.86 / 85
p0 −928 ± 713.4
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −28.55
Std Dev 94.15
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

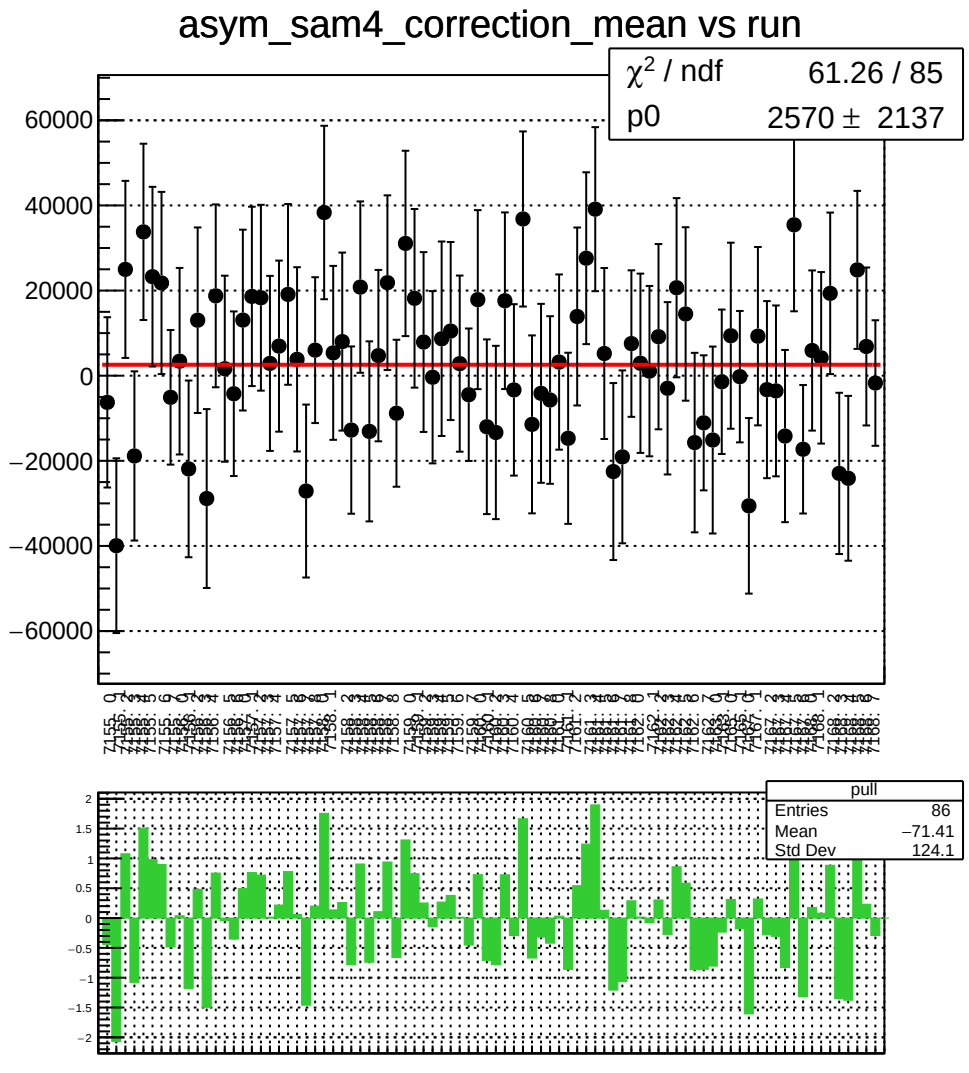

pull1D
Entries 86
Mean −0.02168
Std Dev 0.8479
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

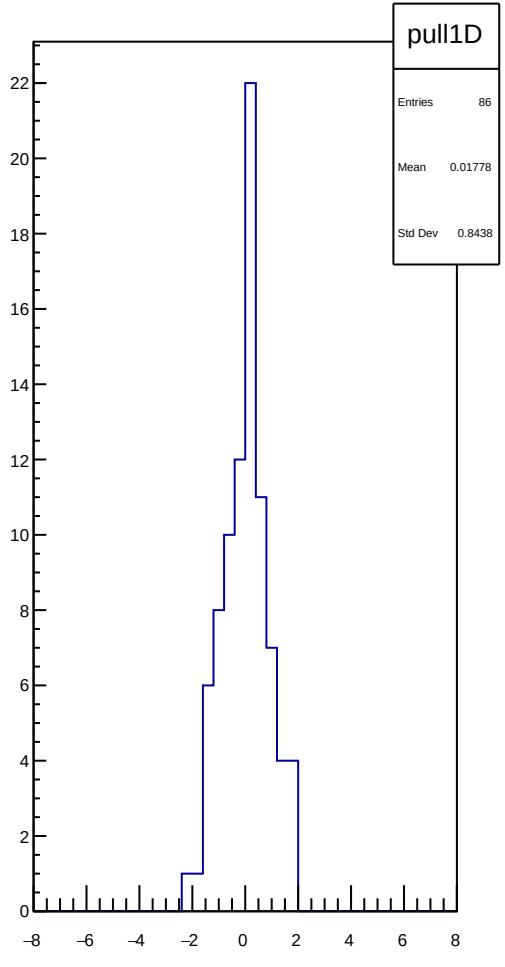

asym_sam3_rms vs run
χ² / ndf 4953 / 85
p0 651.2 ± 0.5044
800
750
700
650
600
550

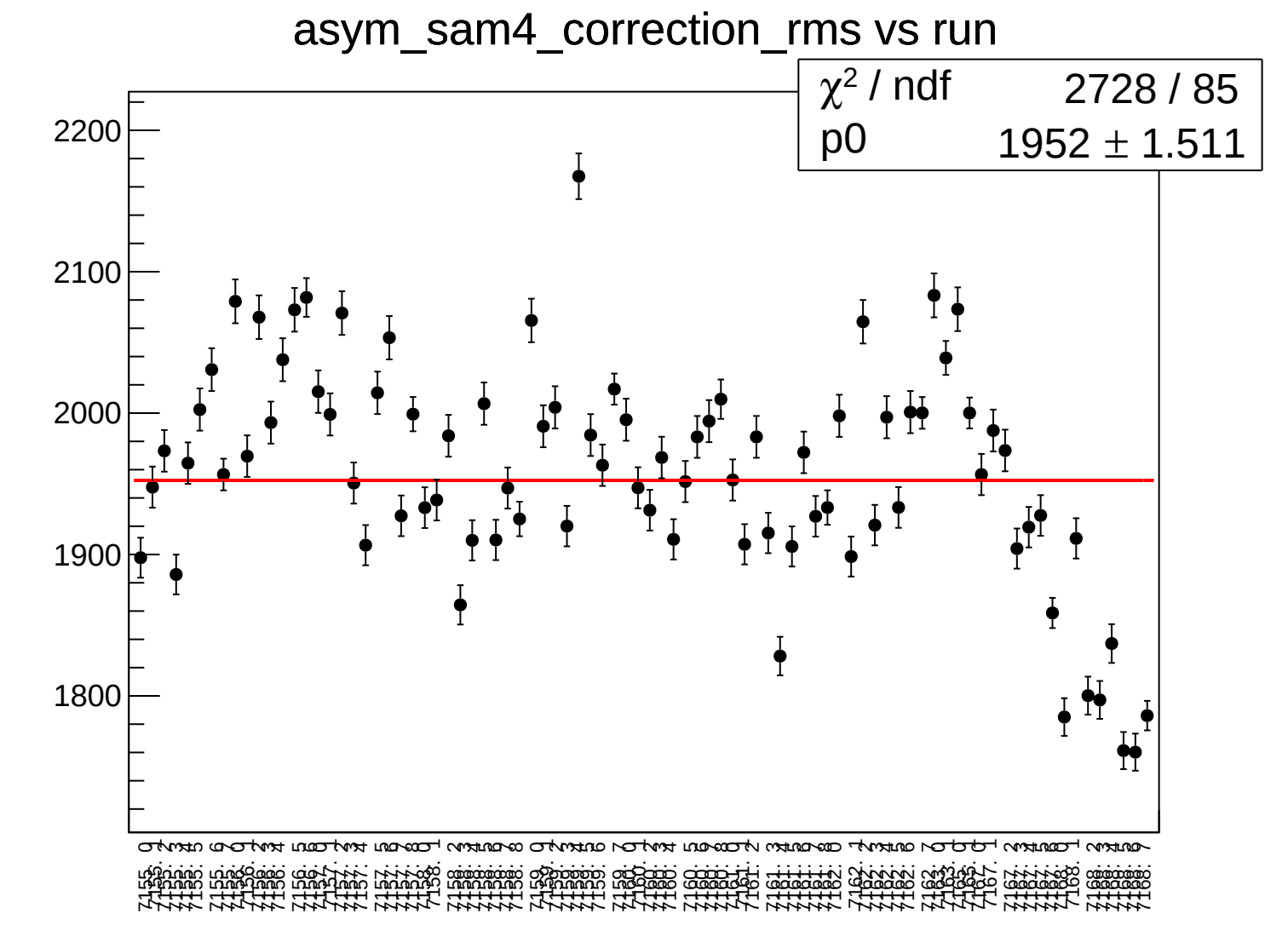

dit_asym_sam4_mean vs run
χ² / ndf 102.1 / 85
p0 −682.2 ± 290
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −158.1
Std Dev 185.4
3
2
1
0
−1
−2

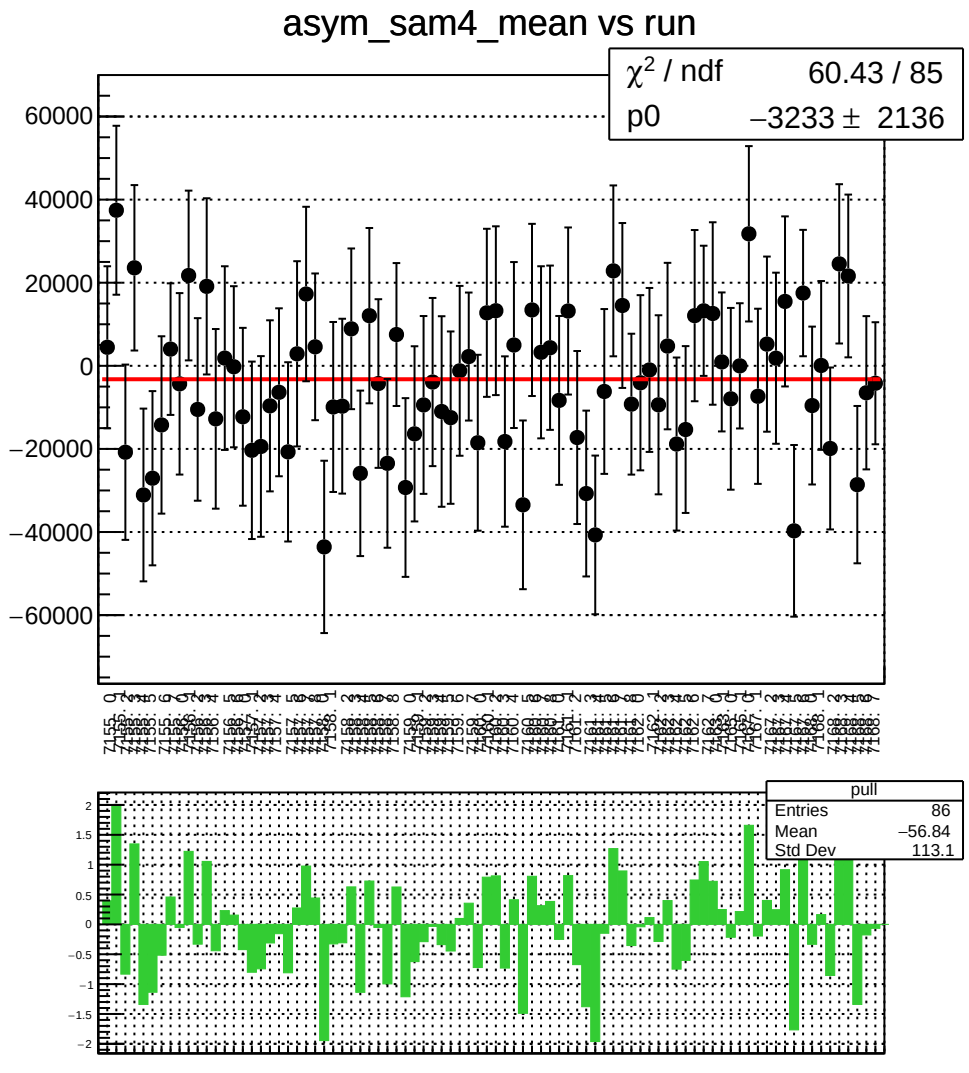

pull1D
Entries 86
Mean 0.008988
Std Dev 1.089
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

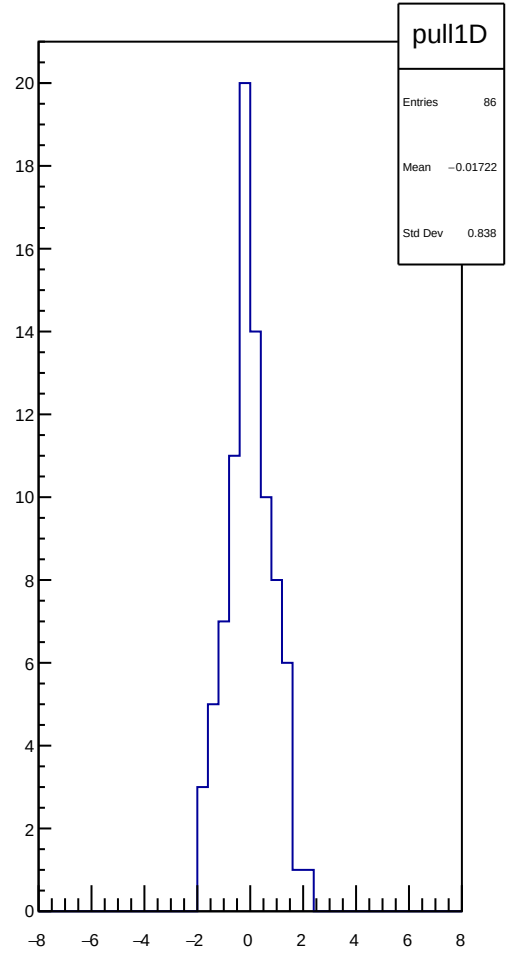

dit_asym_sam4_rms vs run
χ² / ndf 2.052e+04 / 85
p0 263.4 ± 0.205
450
400
350
300
250

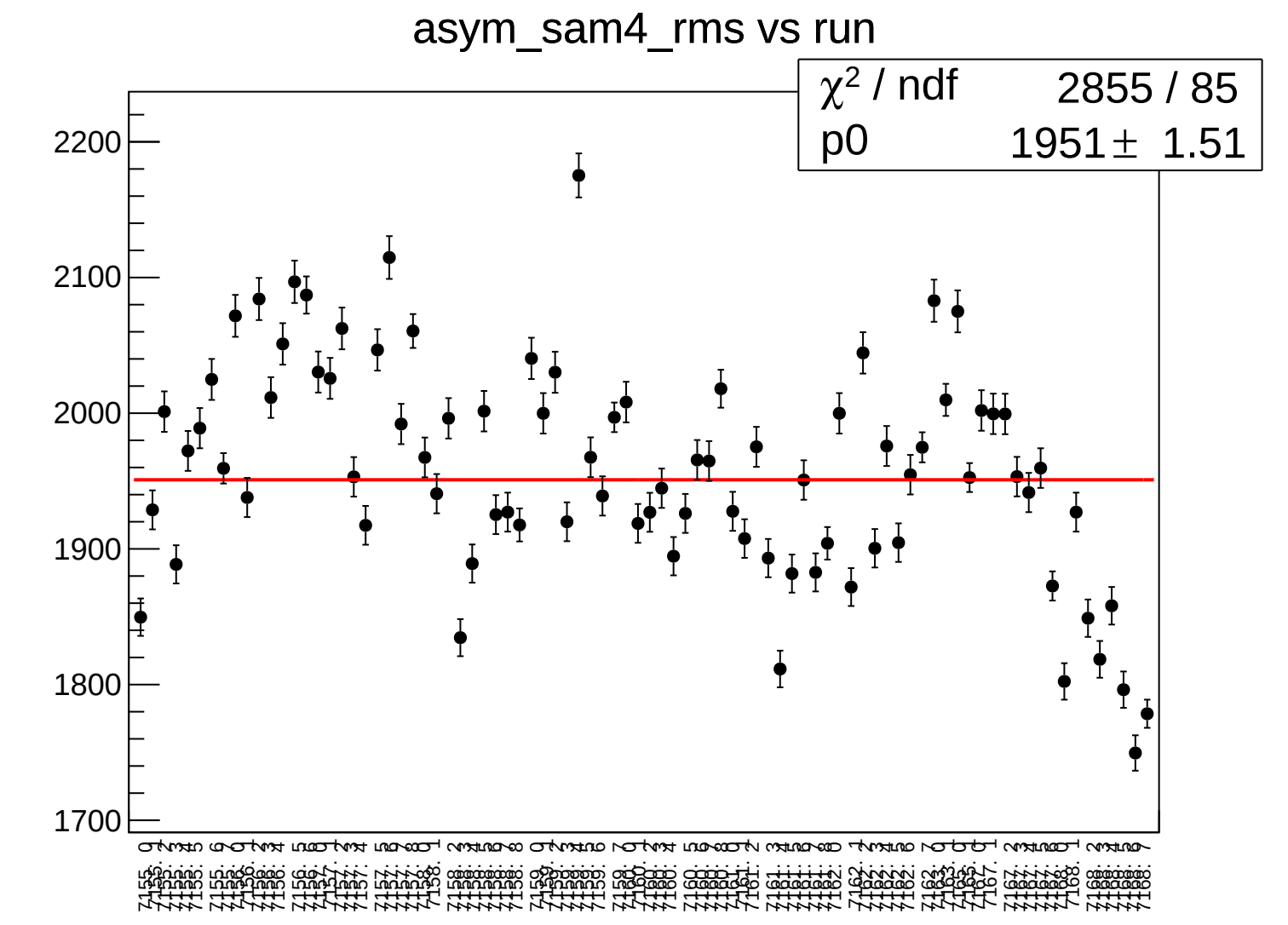

asym_sam4_correction_mean vs run
χ² / ndf 61.26 / 85
p0 2570 ± 2137
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −71.41
Std Dev 124.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

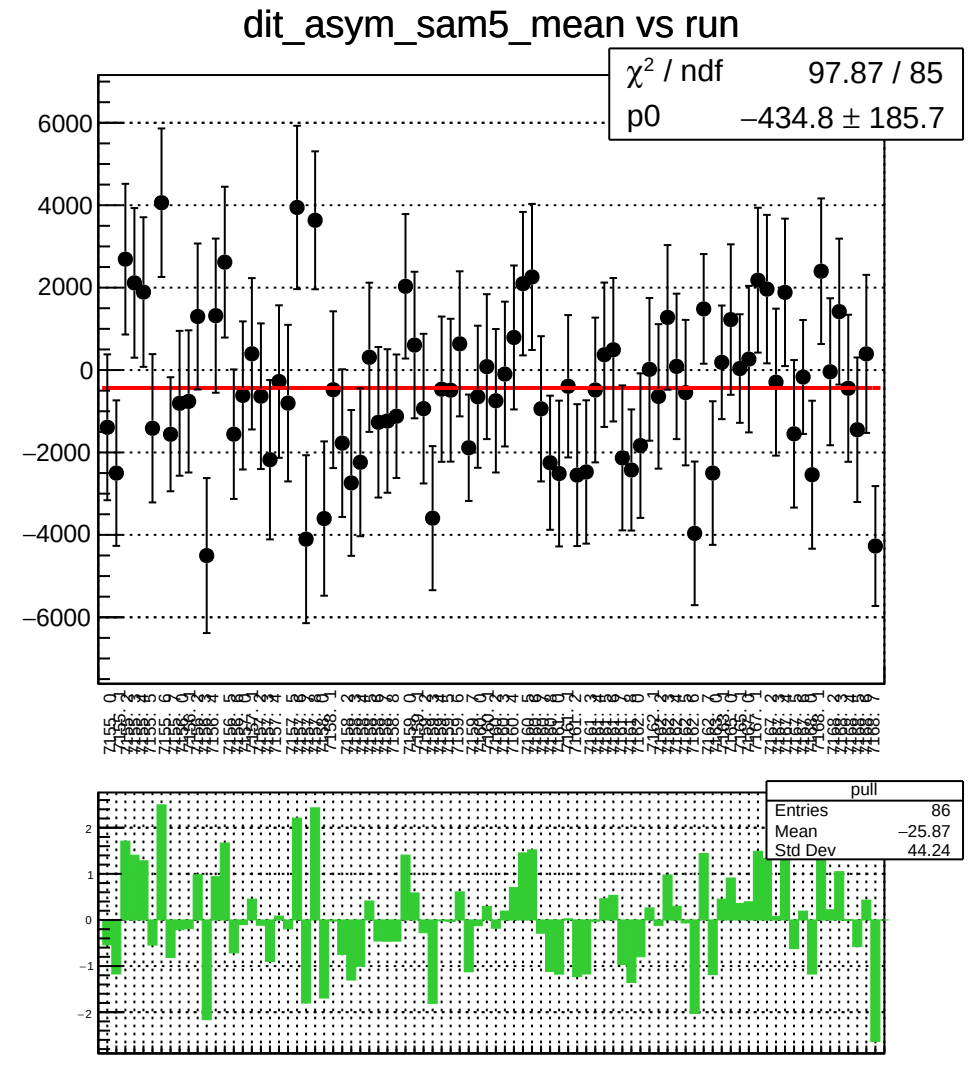

pull1D
Entries 86
Mean 0.01778
Std Dev 0.8438
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

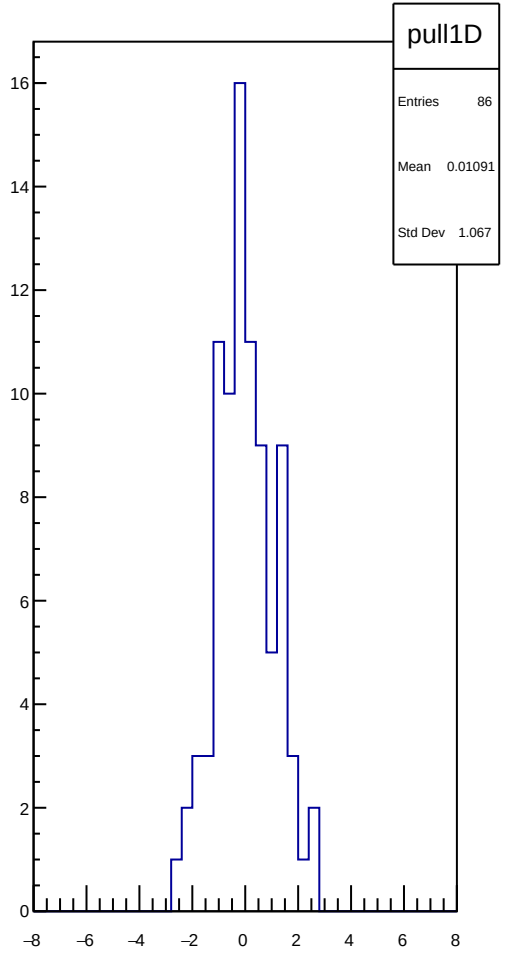

asym_sam4_correction_rms vs run
χ² / ndf 2728 / 85
p0 1952 ± 1.511
2200
2100
2000
1900
1800

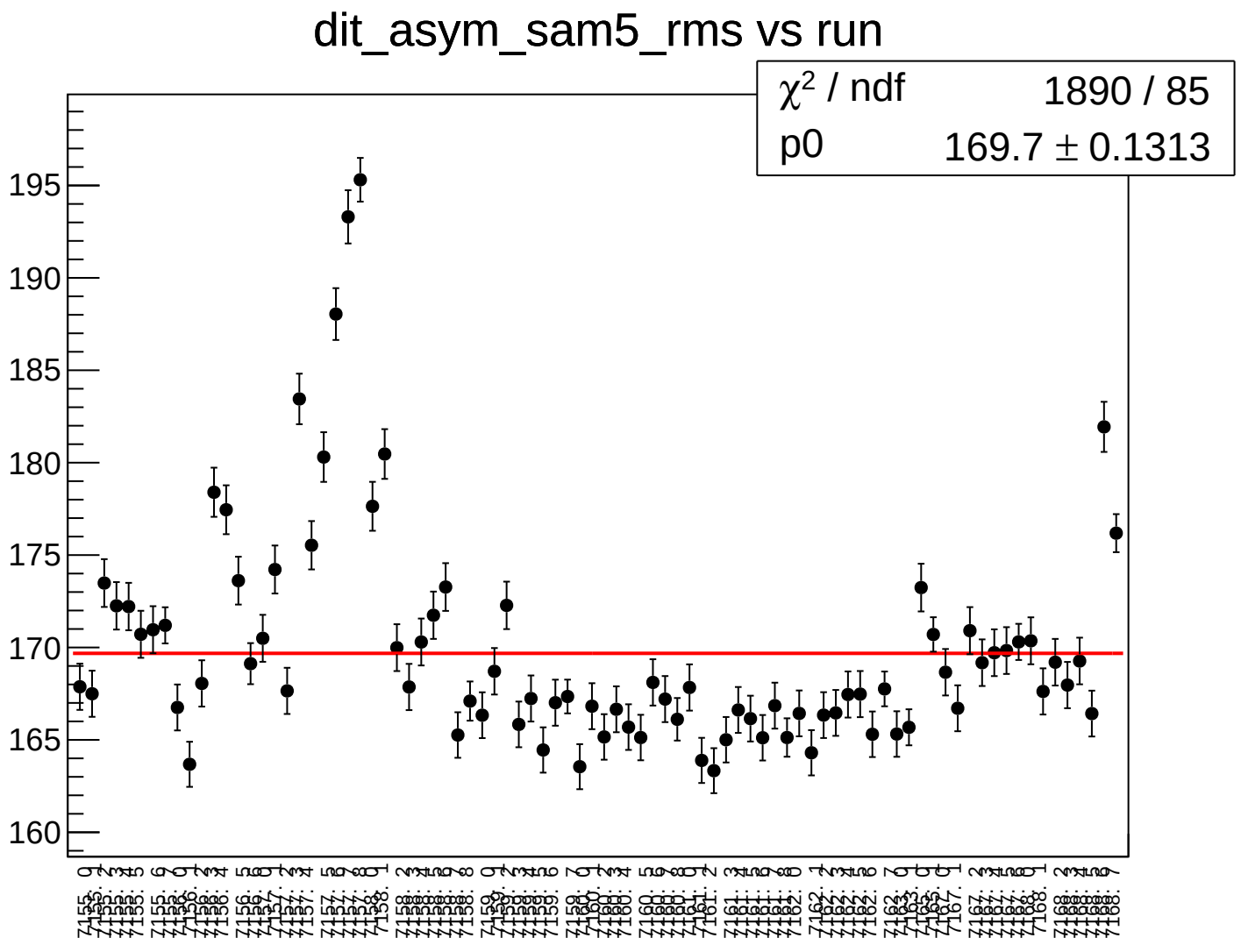

asym_sam4_mean vs run
χ² / ndf 60.43 / 85
p0 −3233 ± 2136
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −56.84
Std Dev 113.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

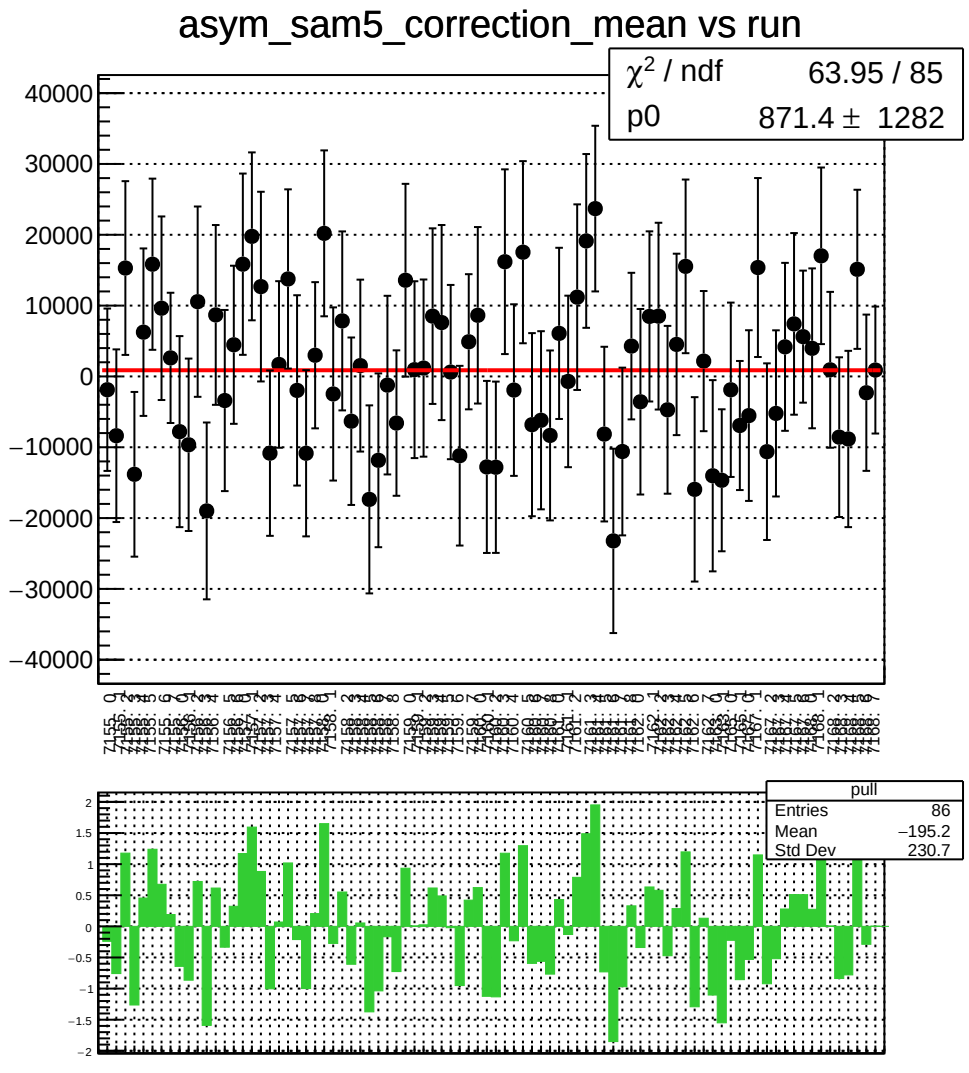

pull1D
Entries 86
Mean −0.01722
Std Dev 0.838
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

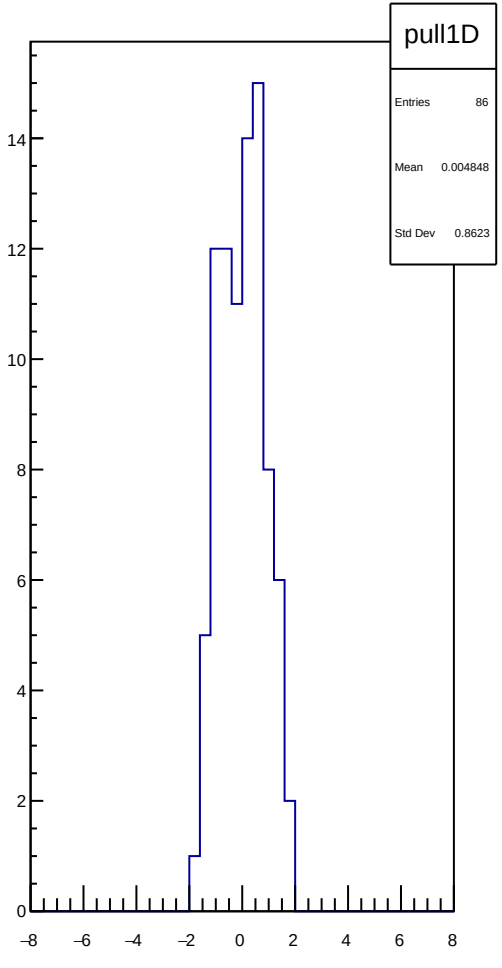

asym_sam4_rms vs run
χ² / ndf 2855 / 85
p0 1951 ± 1.51
2200
2100
2000
1900
1800
1700

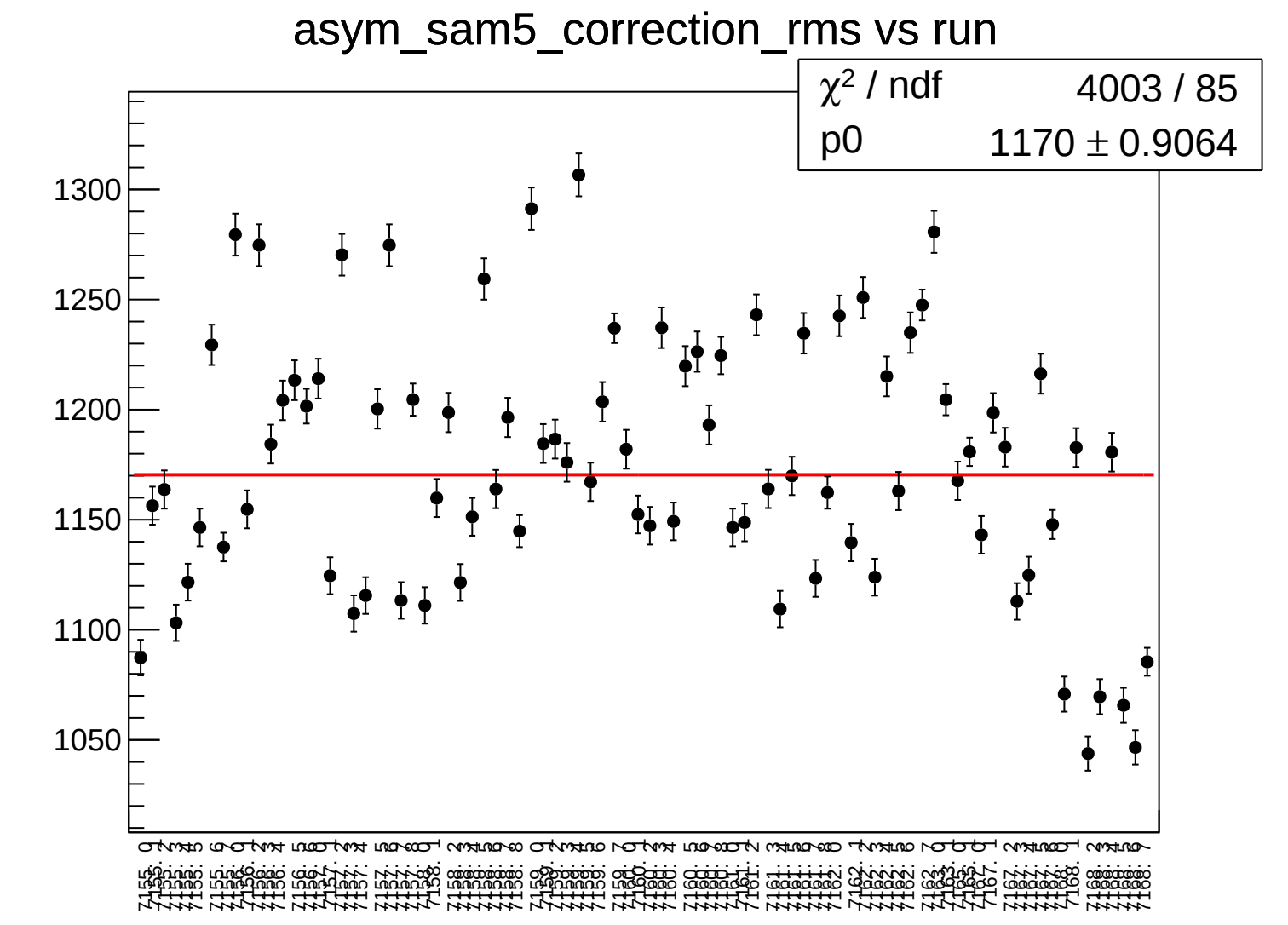

dit_asym_sam5_mean vs run
χ² / ndf 97.87 / 85
p0 −434.8 ± 185.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −25.87
Std Dev 44.24
2
1
0
−1
−2

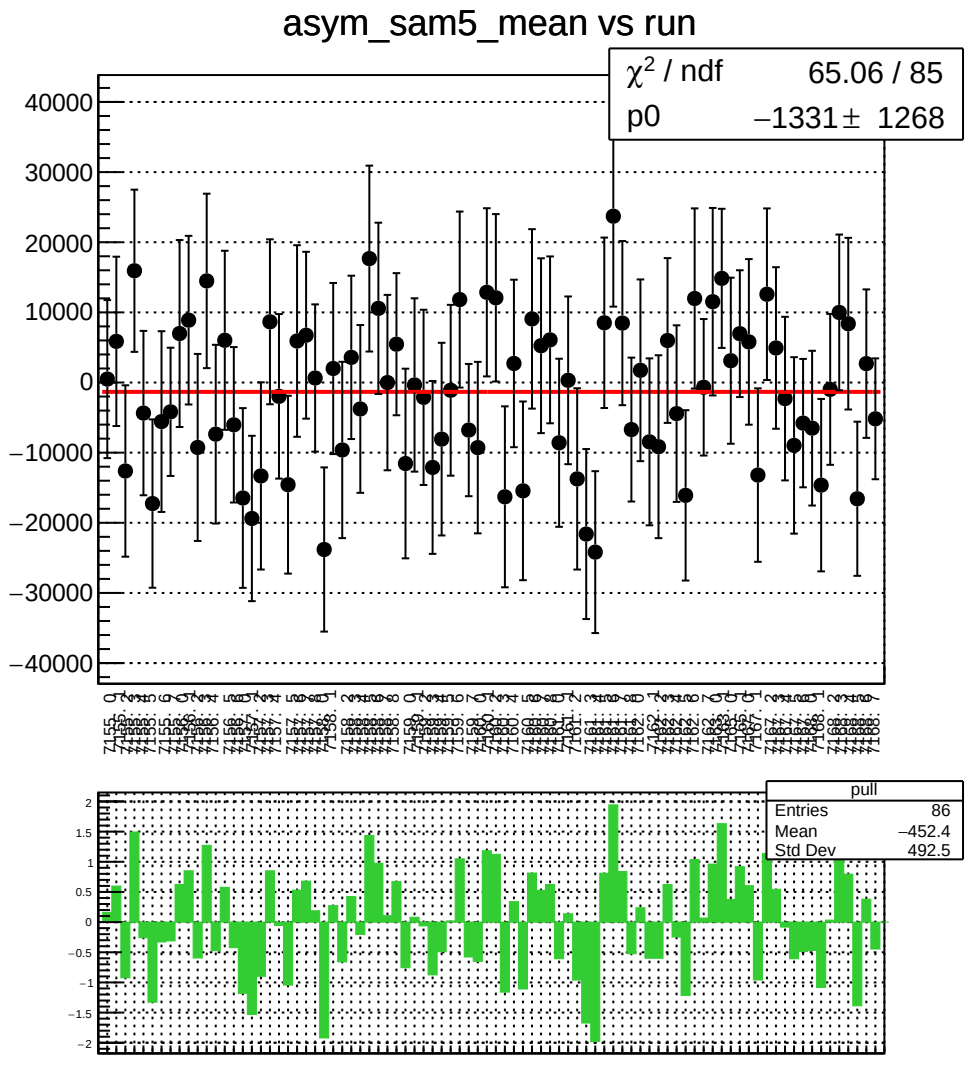

pull1D
Entries 86
Mean 0.01091
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

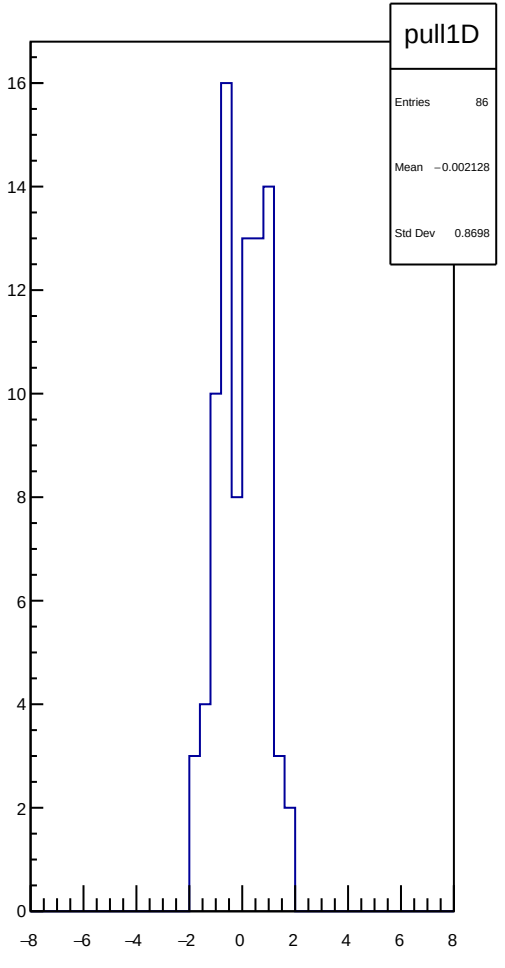

dit_asym_sam5_rms vs run
χ^2 / ndf 1890 / 85
p0 169.7 ± 0.1313
195
190
185
180
175
170
165
160

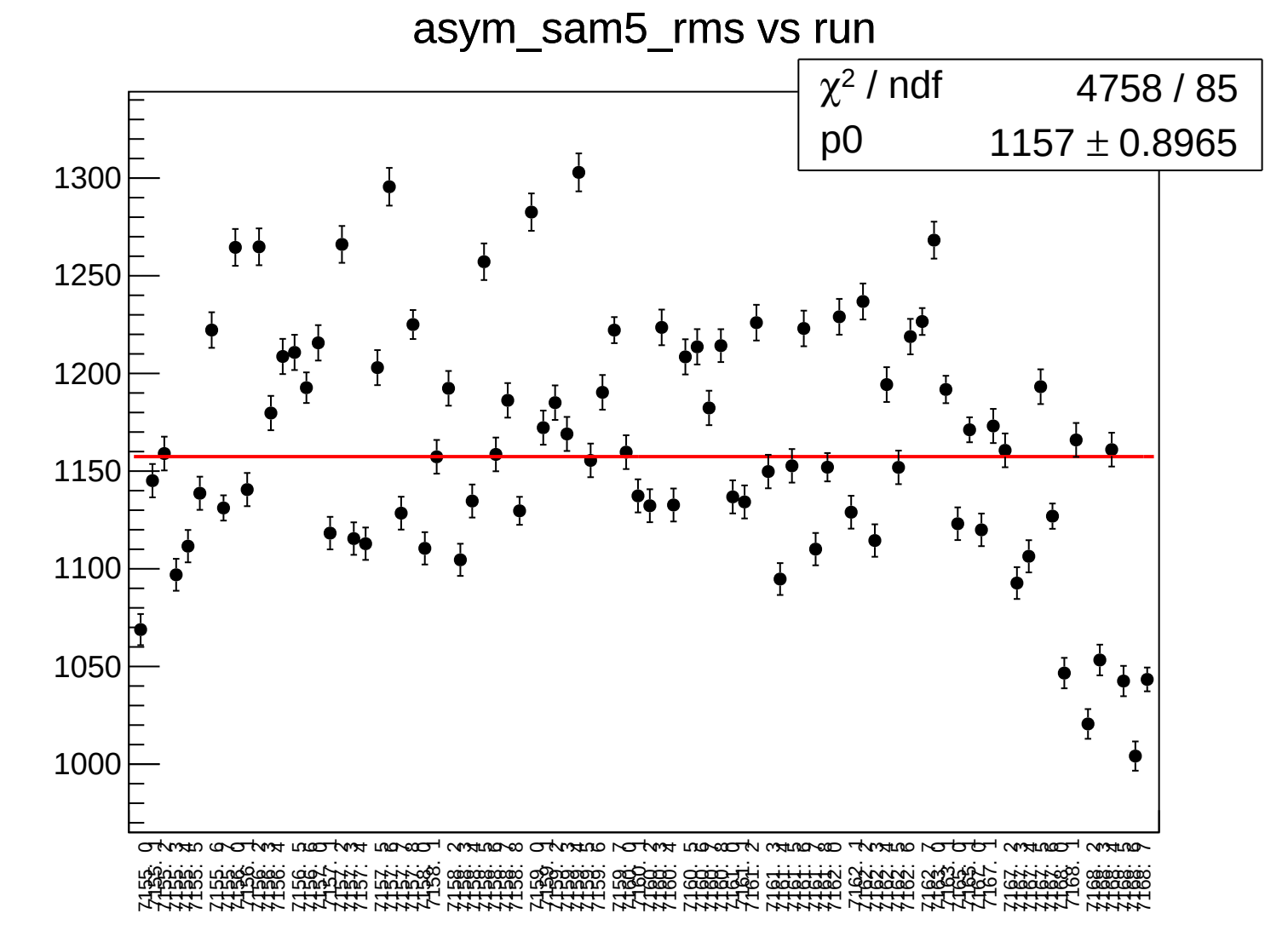

asym_sam5_correction_mean vs run
χ² / ndf 63.95 / 85
p0 871.4 ± 1282
pull
Entries 86
Mean −195.2
Std Dev 230.7

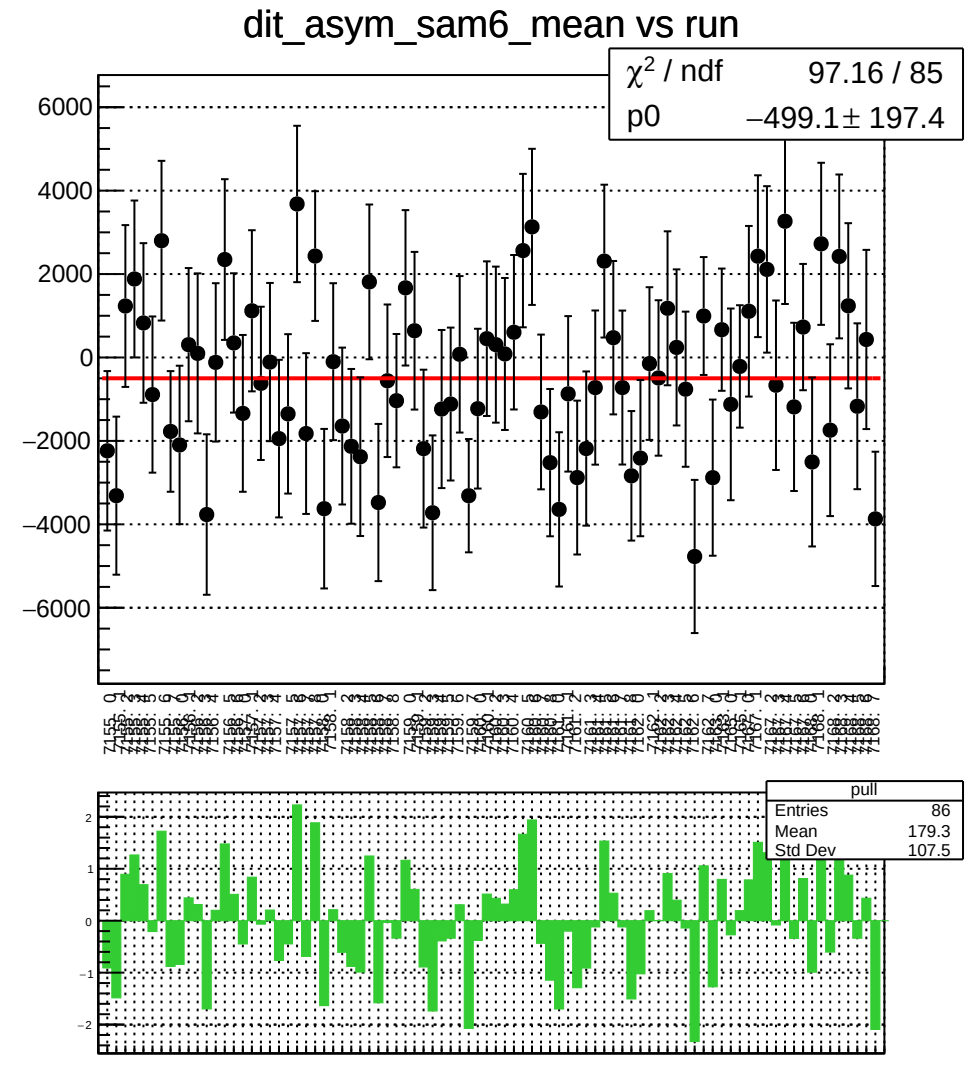

pull1D
Entries 86
Mean 0.004848
Std Dev 0.8623

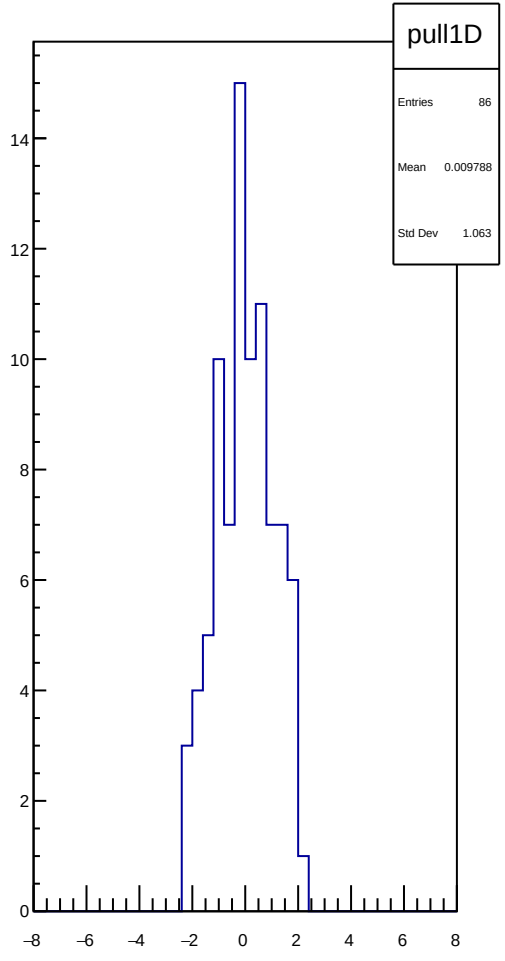

asym_sam5_correction_rms vs run
χ² / ndf 4003 / 85
p0 1170 ± 0.9064
1300
1250
1200
1150
1100
1050

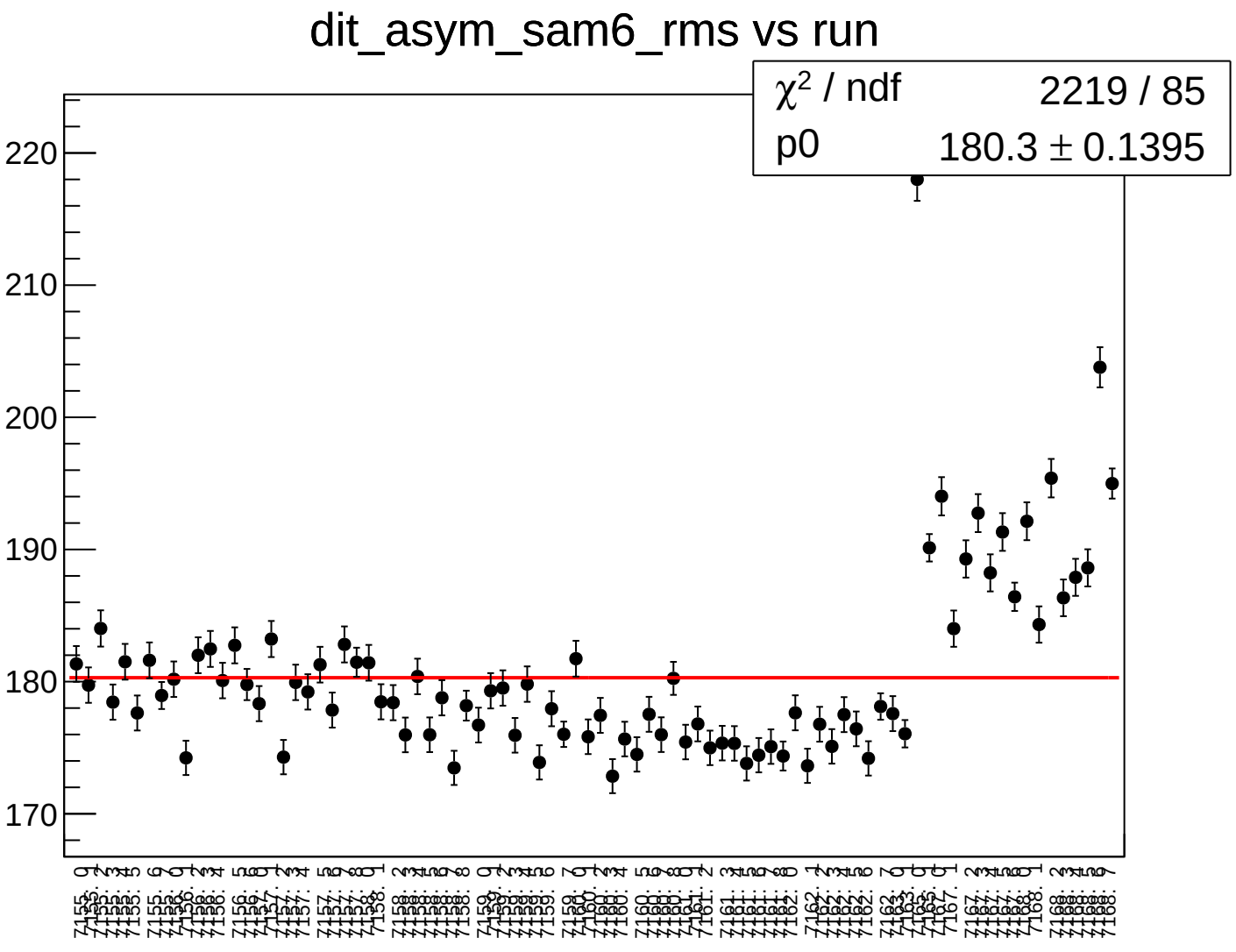

asym_sam5_mean vs run
χ² / ndf 65.06 / 85
p0 −1331 ± 1268
pull
Entries 86
Mean −452.4
Std Dev 492.5

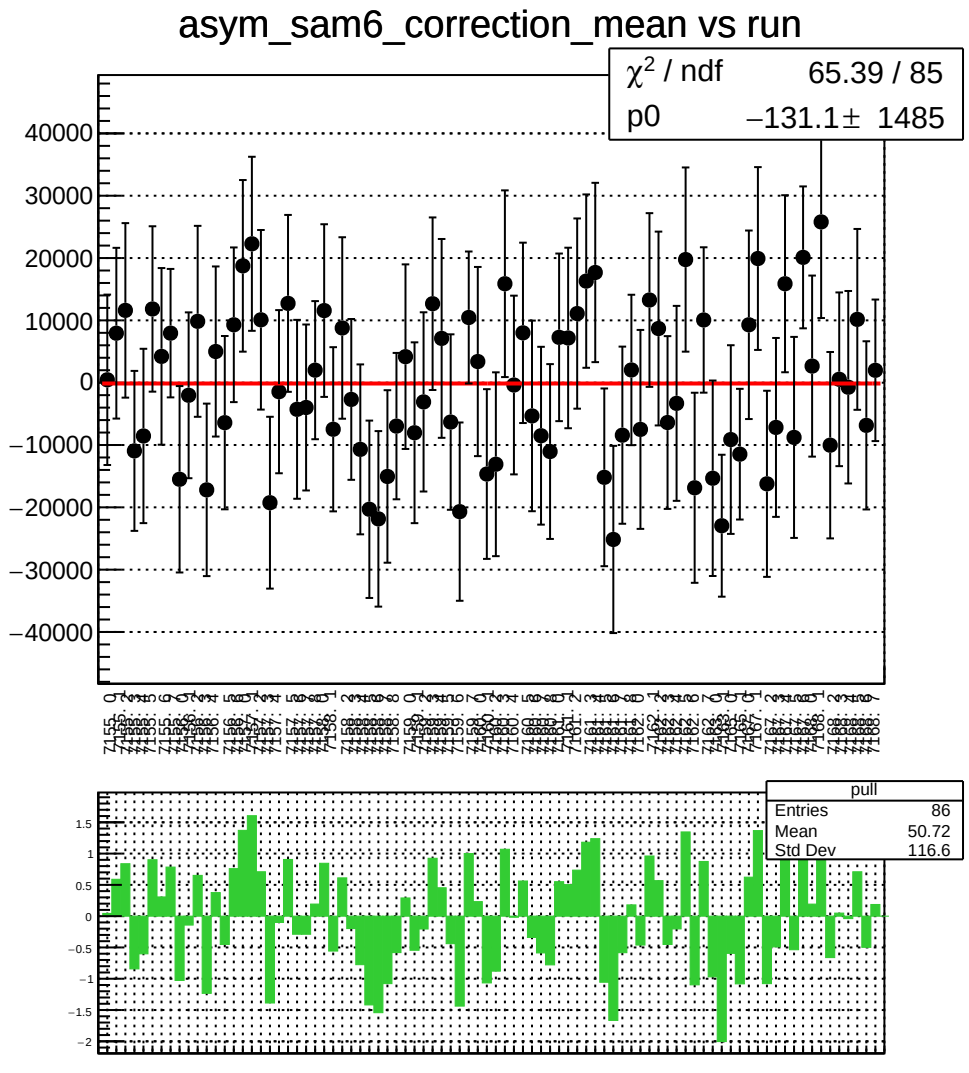

pull1D
Entries 86
Mean −0.002128
Std Dev 0.8698

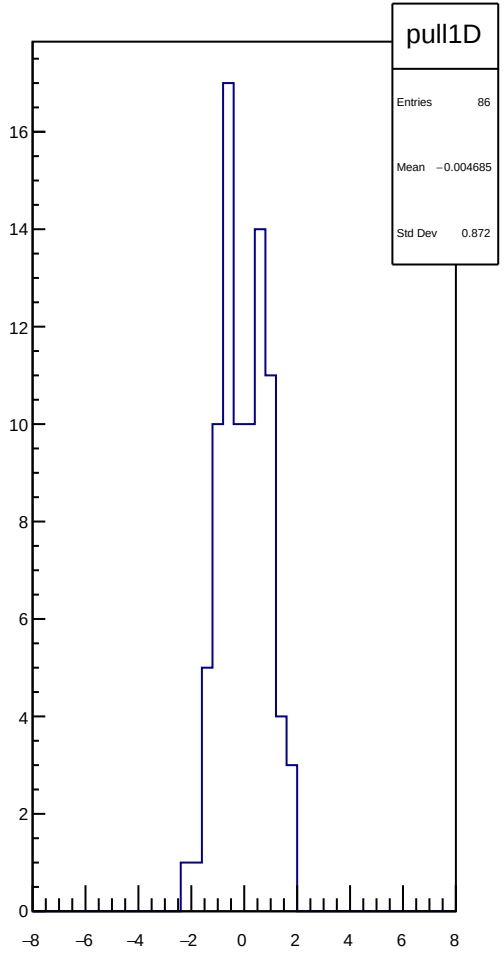

asym_sam5_rms vs run
χ² / ndf 4758 / 85
p0 1157 ± 0.8965
1300
1250
1200
1150
1100
1050
1000

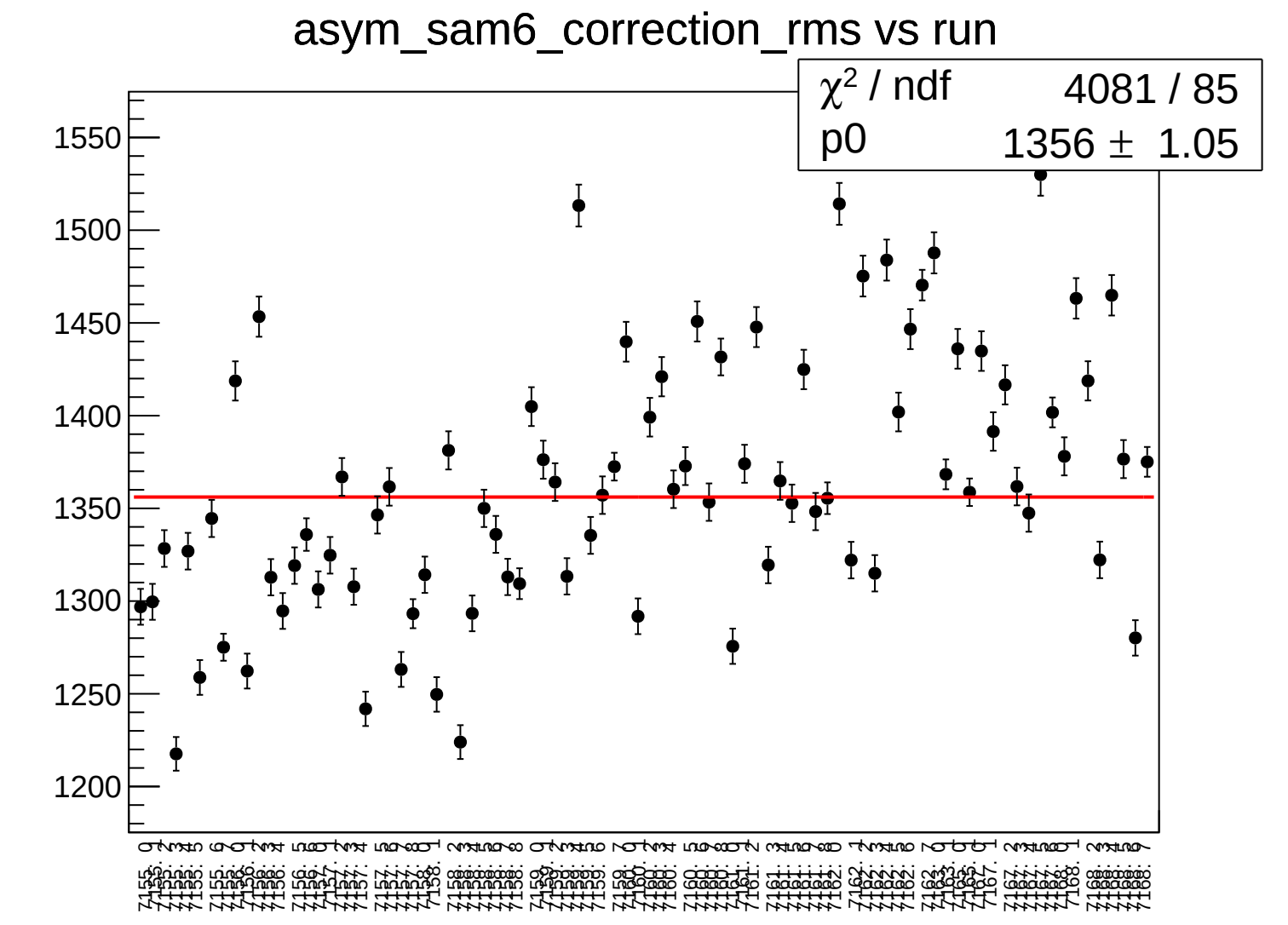

dit_asym_sam6_mean vs run
χ² / ndf 97.16 / 85
p0 −499.1± 197.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 179.3
Std Dev 107.5
2
1
0
−1
−2

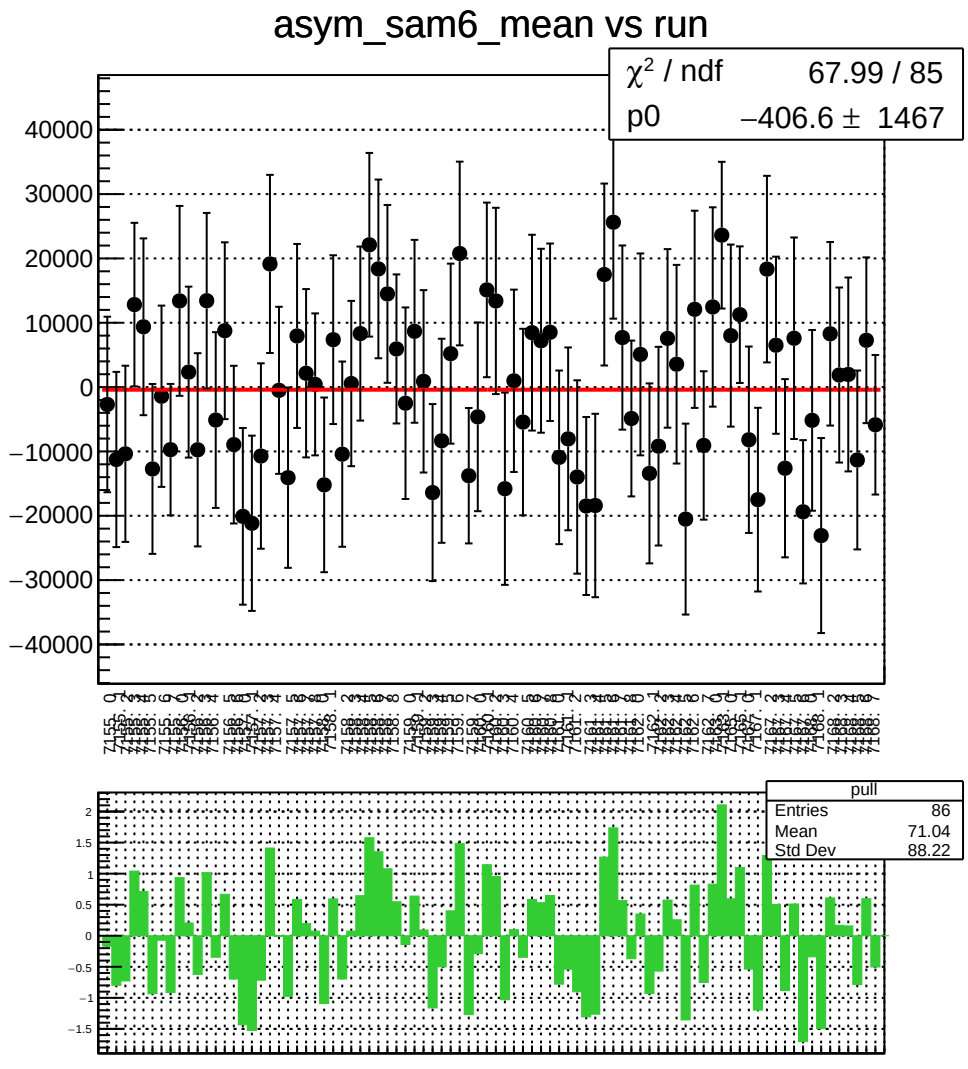

pull1D
Entries 86
Mean 0.009788
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

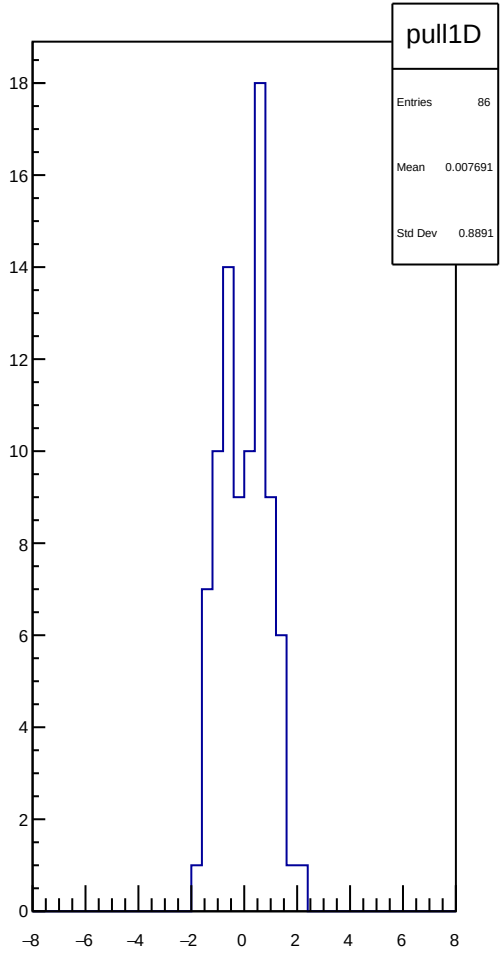

dit_asym_sam6_rms vs run
χ² / ndf 2219 / 85
p0 180.3 ± 0.1395
220
210
200
190
180
170

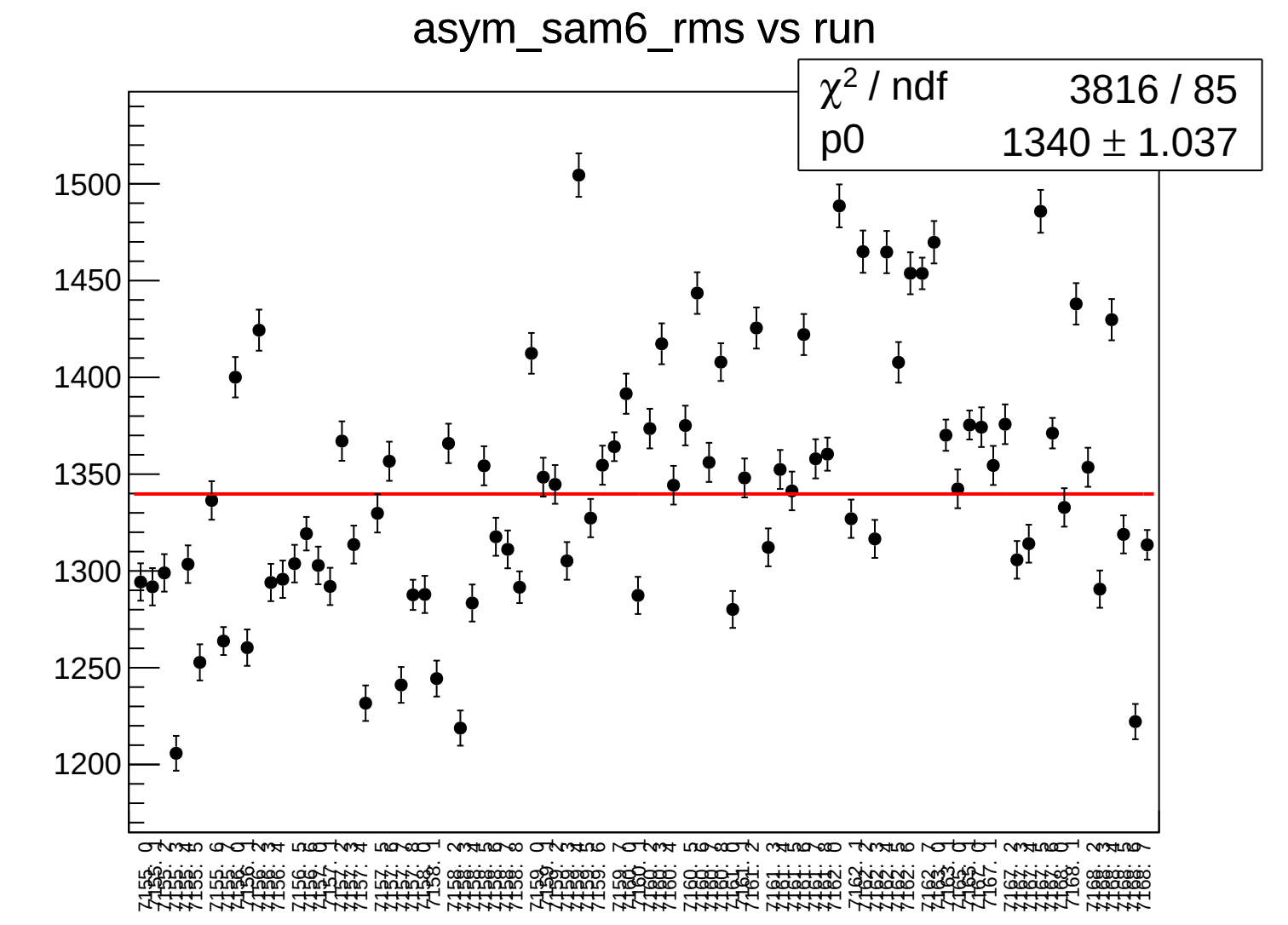

asym_sam6_correction_mean vs run
χ² / ndf 65.39 / 85
p0 −131.1± 1485
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean 50.72
Std Dev 116.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

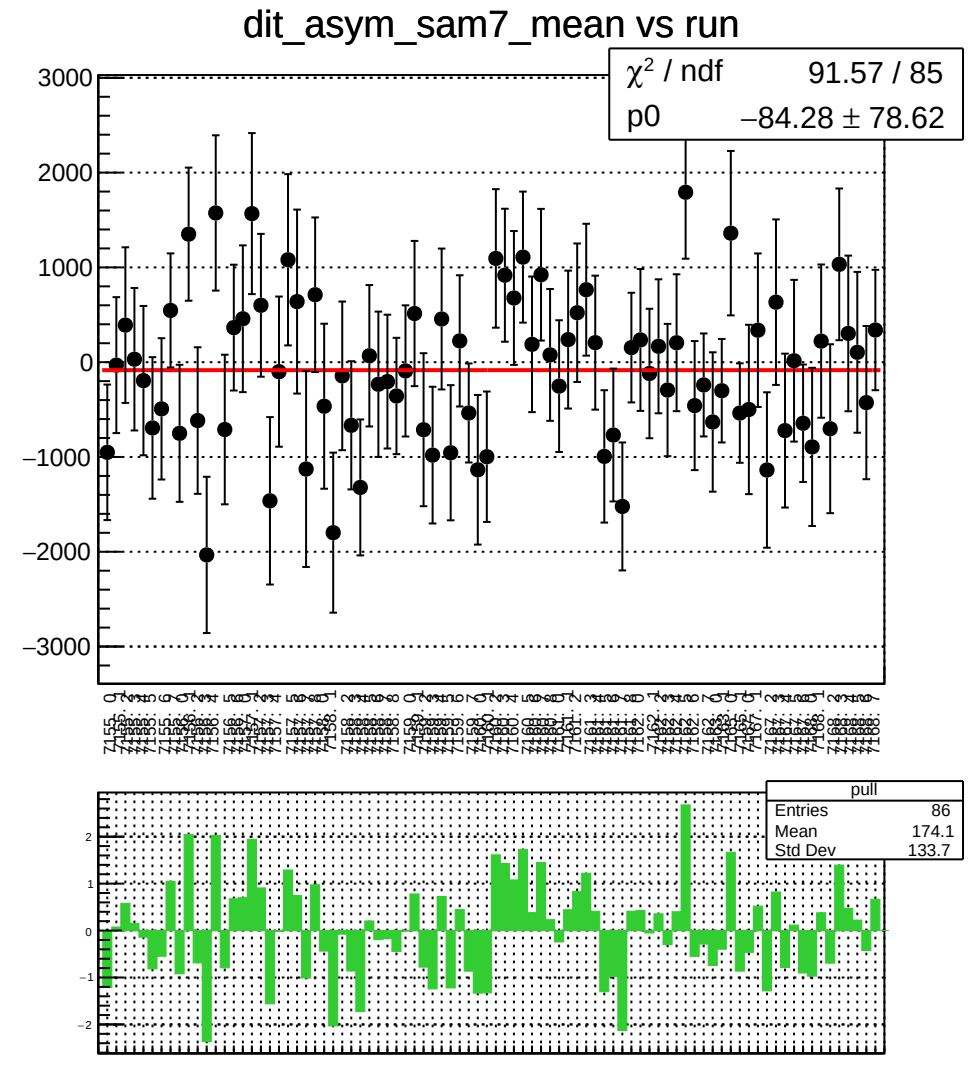

pull1D
Entries 86
Mean −0.004685
Std Dev 0.872
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

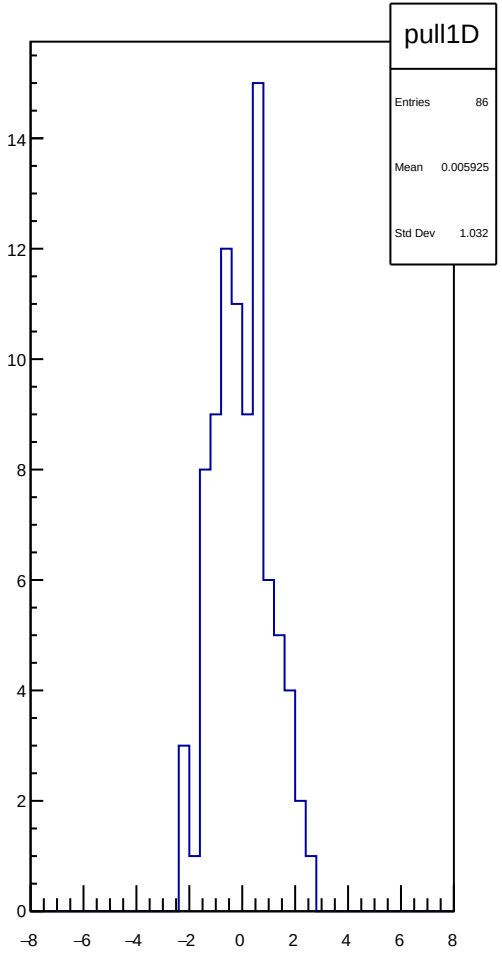

asym_sam6_correction_rms vs run
χ² / ndf 4081 / 85
p0 1356 ± 1.05
1550
1500
1450
1400
1350
1300
1250
1200

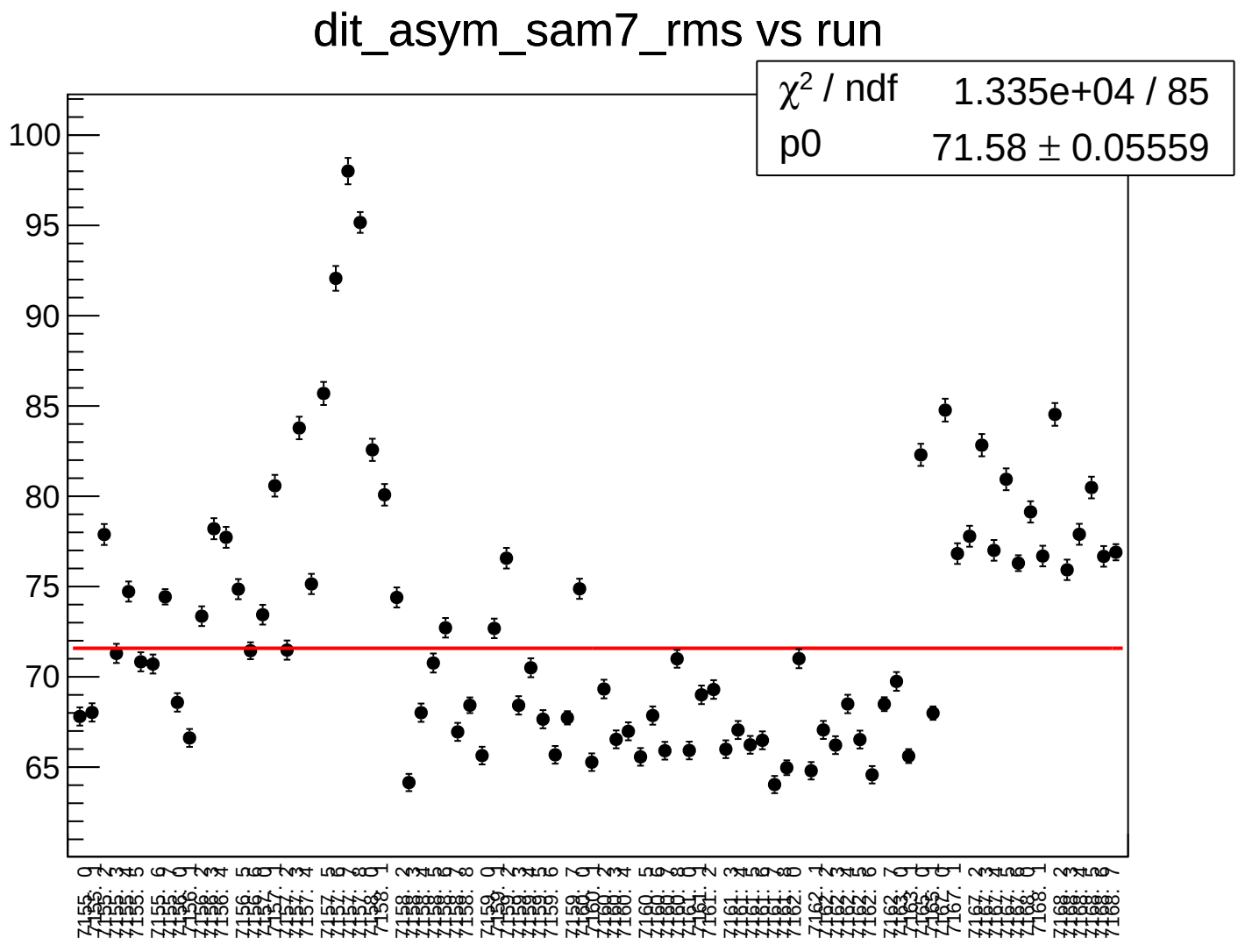

asym_sam6_mean vs run
χ² / ndf 67.99 / 85
p0 −406.6 ± 1467
pull
Entries 86
Mean 71.04
Std Dev 88.22

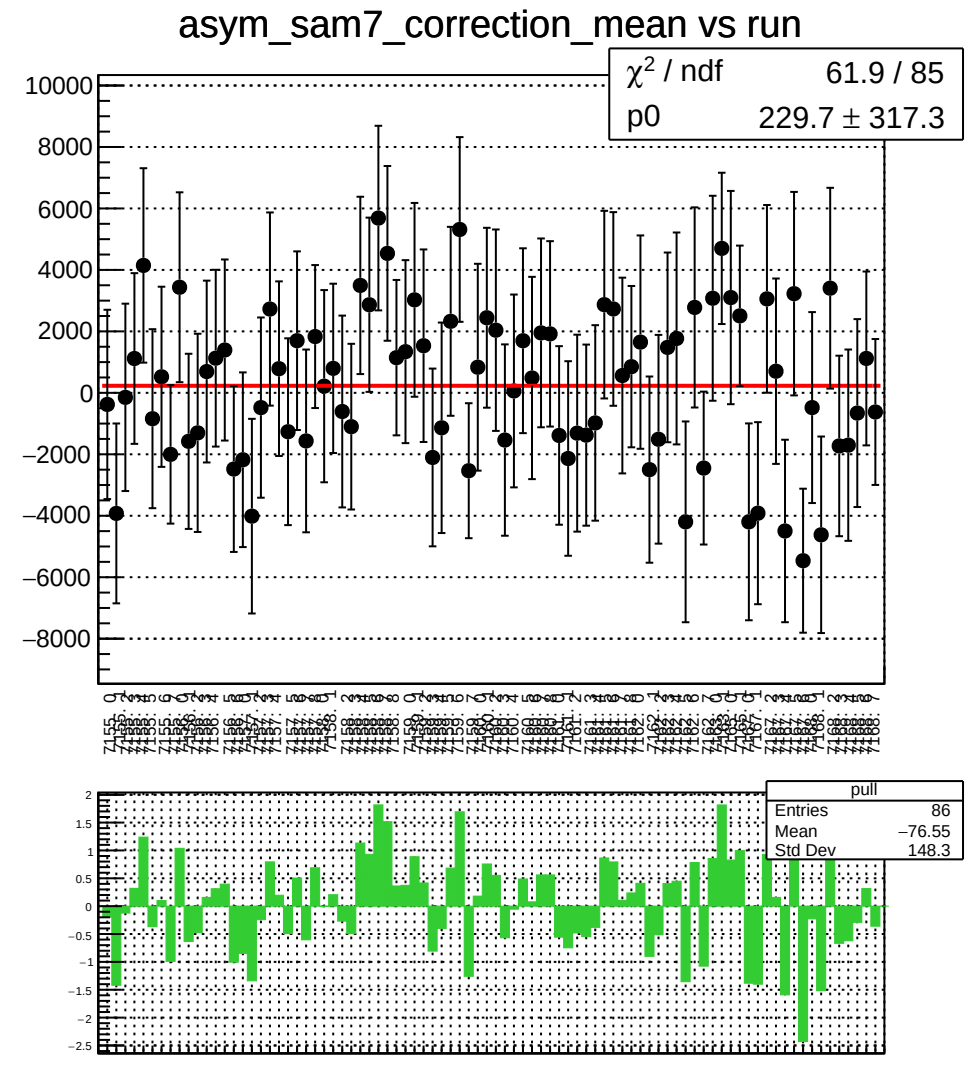

pull1D
Entries 86
Mean 0.007691
Std Dev 0.8891

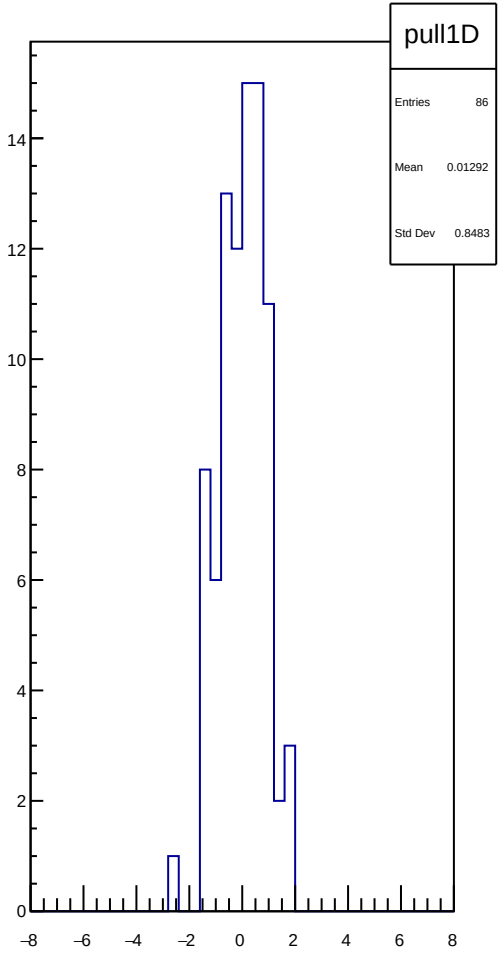

asym_sam6_rms vs run
χ² / ndf 3816 / 85
p0 1340 ± 1.037
1500
1450
1400
1350
1300
1250
1200

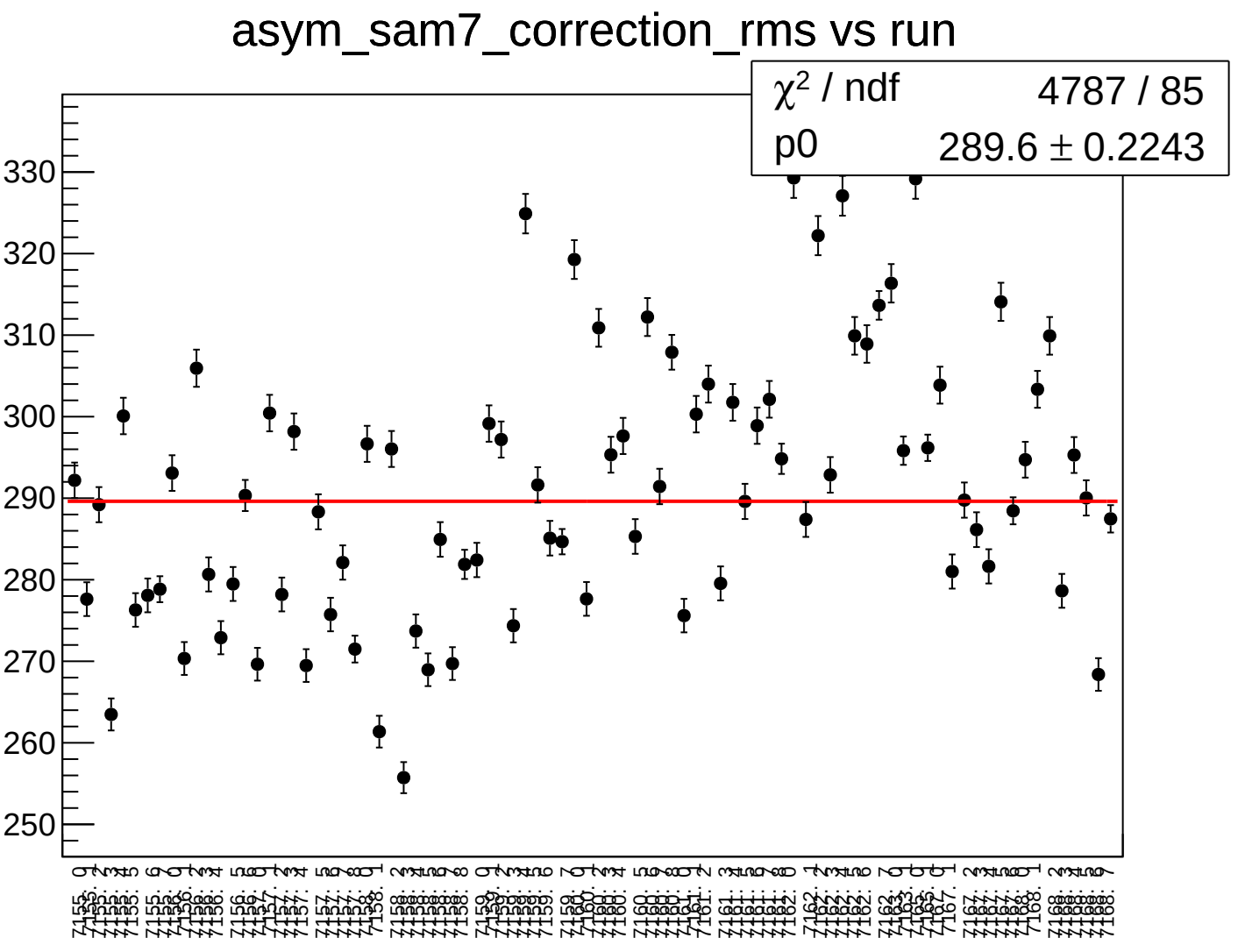

dit_asym_sam7_mean vs run
χ² / ndf 91.57 / 85
p0 −84.28 ± 78.62
pull
Entries 86
Mean 174.1
Std Dev 133.7

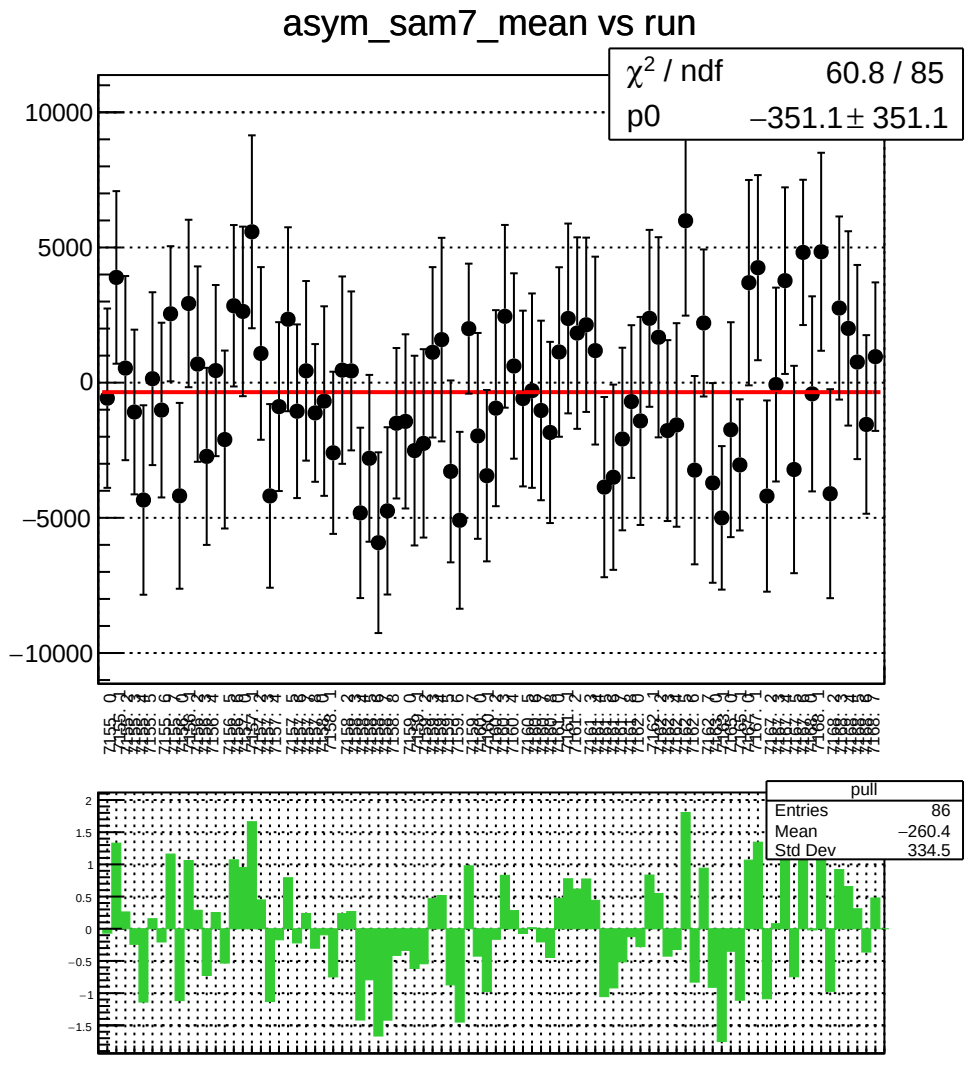

pull1D
Entries 86
Mean 0.005925
Std Dev 1.032

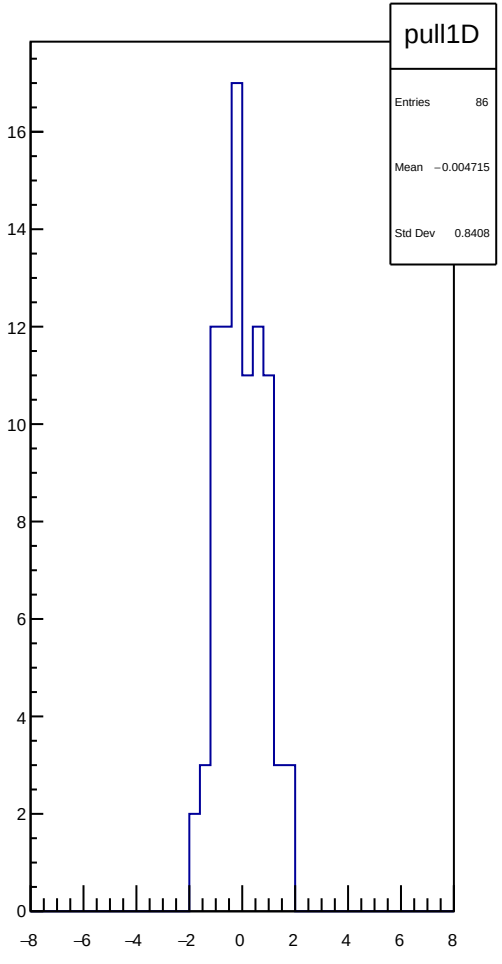

dit_asym_sam7_rms vs run
χ^2 / ndf 1.335e+04 / 85
p0 71.58 ± 0.05559
100
95
90
85
80
75
70
65

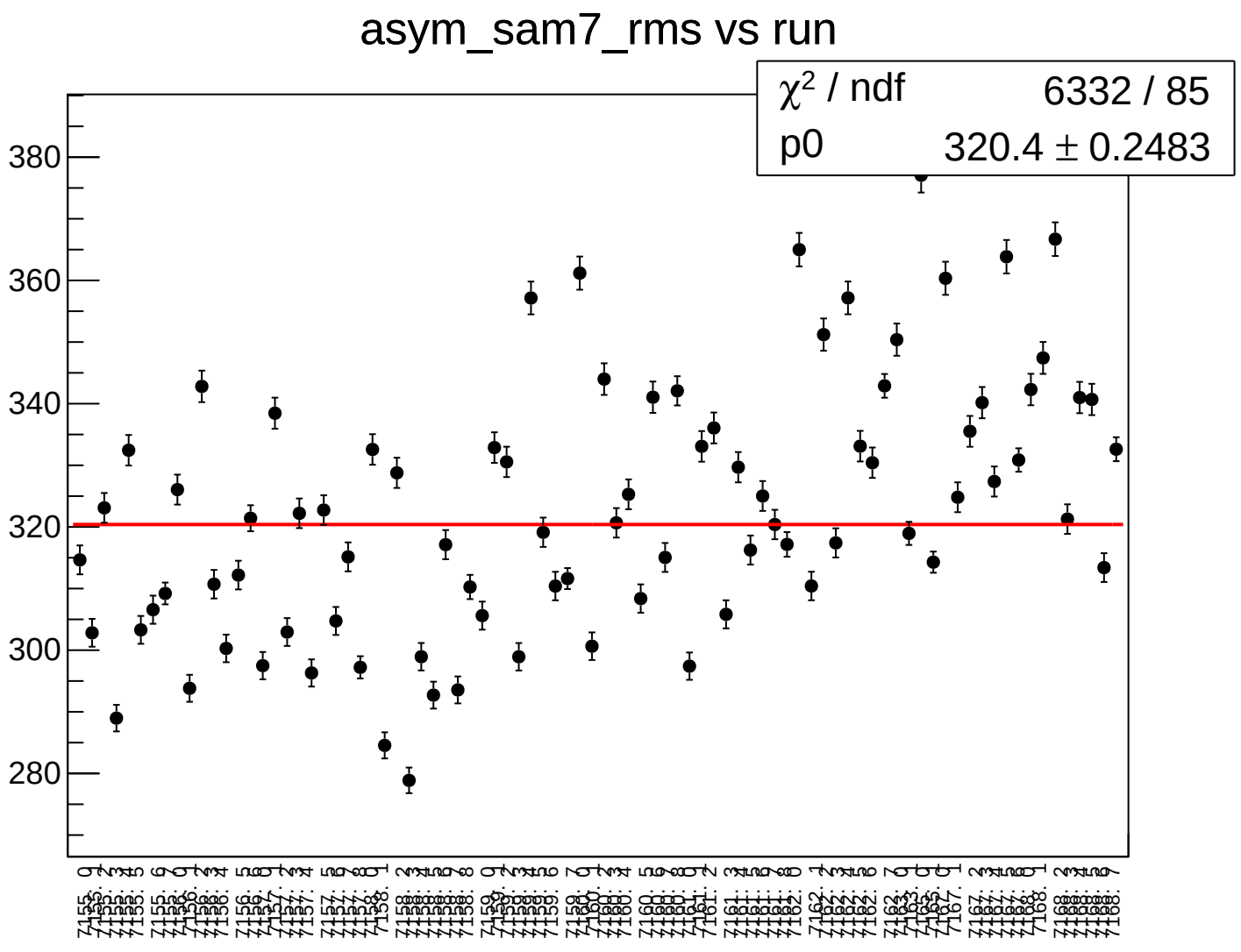

asym_sam7_correction_mean vs run
χ² / ndf 61.9 / 85
p0 229.7 ± 317.3
pull
Entries 86
Mean −76.55
Std Dev 148.3

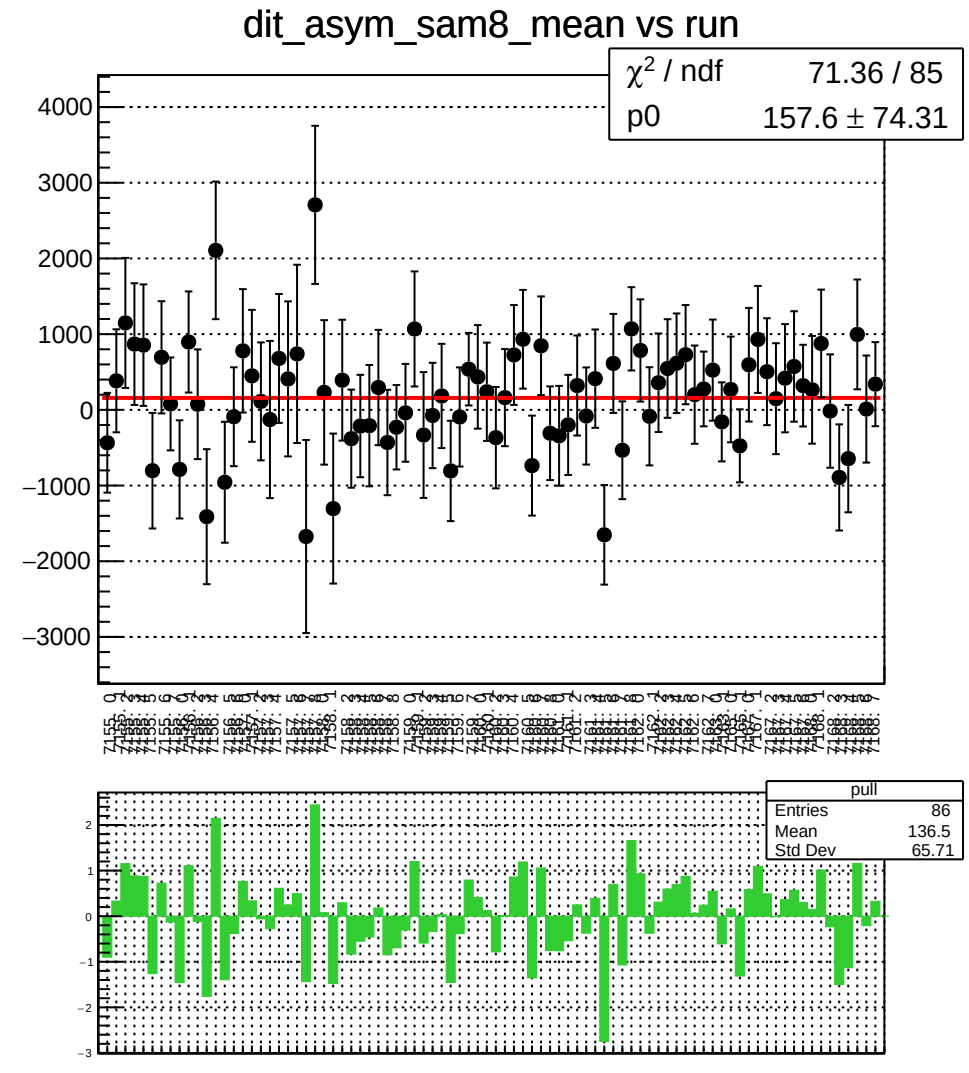

pull1D
Entries 86
Mean 0.01292
Std Dev 0.8483

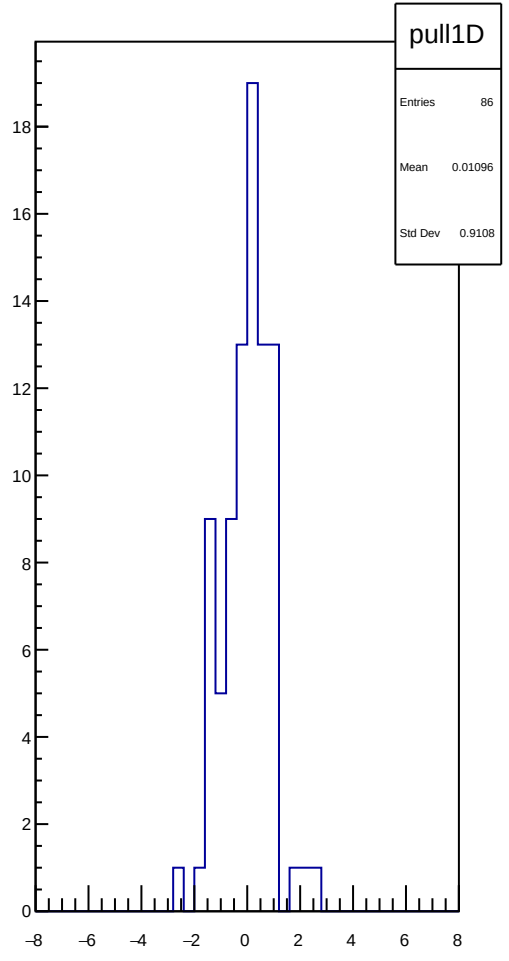

asym_sam7_correction_rms vs run
χ² / ndf 4787 / 85
p0 289.6 ± 0.2243
330
320
310
300
290
280
270
260
250

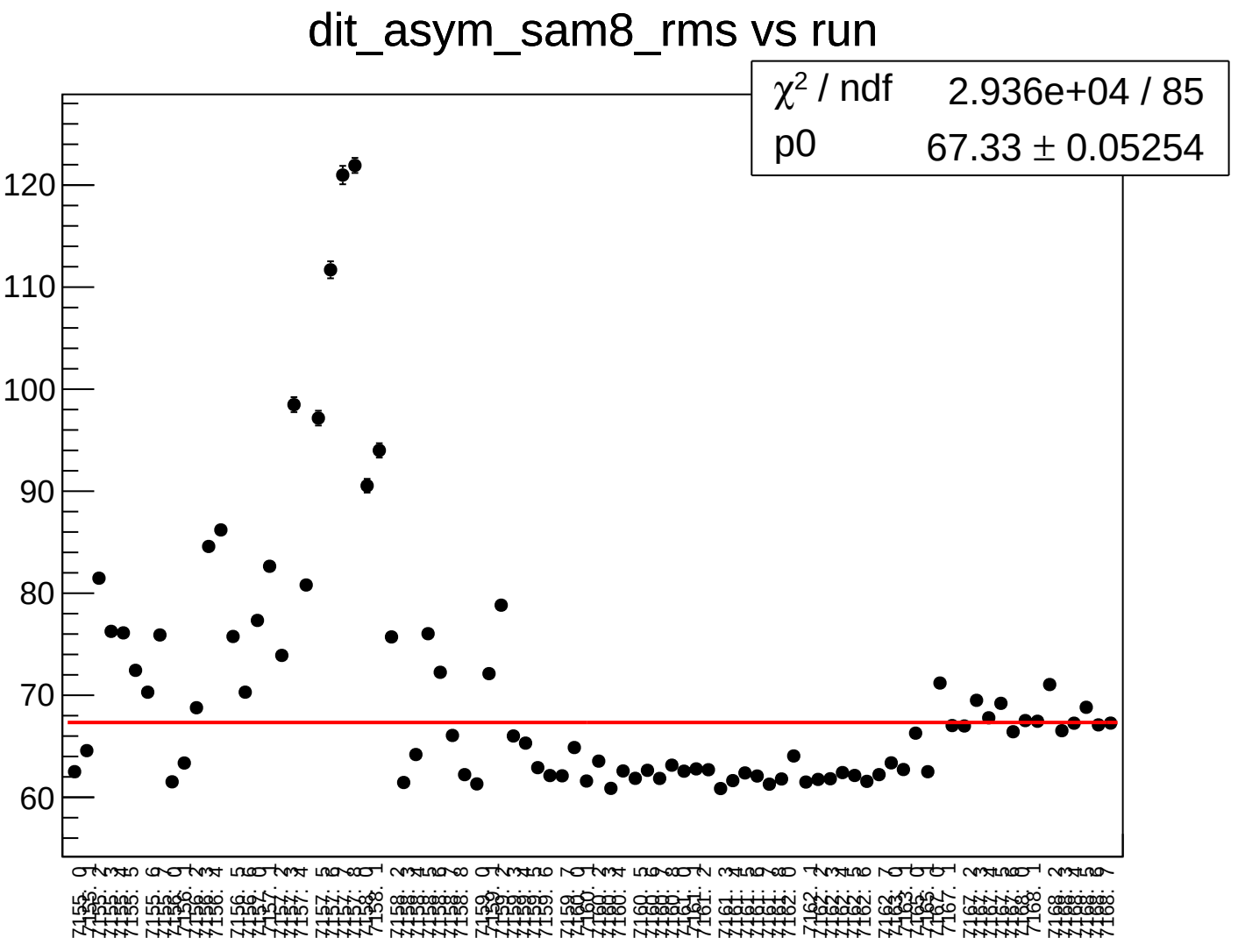

asym_sam7_mean vs run
χ² / ndf 60.8 / 85
p0 −351.1 ± 351.1
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −260.4
Std Dev 334.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

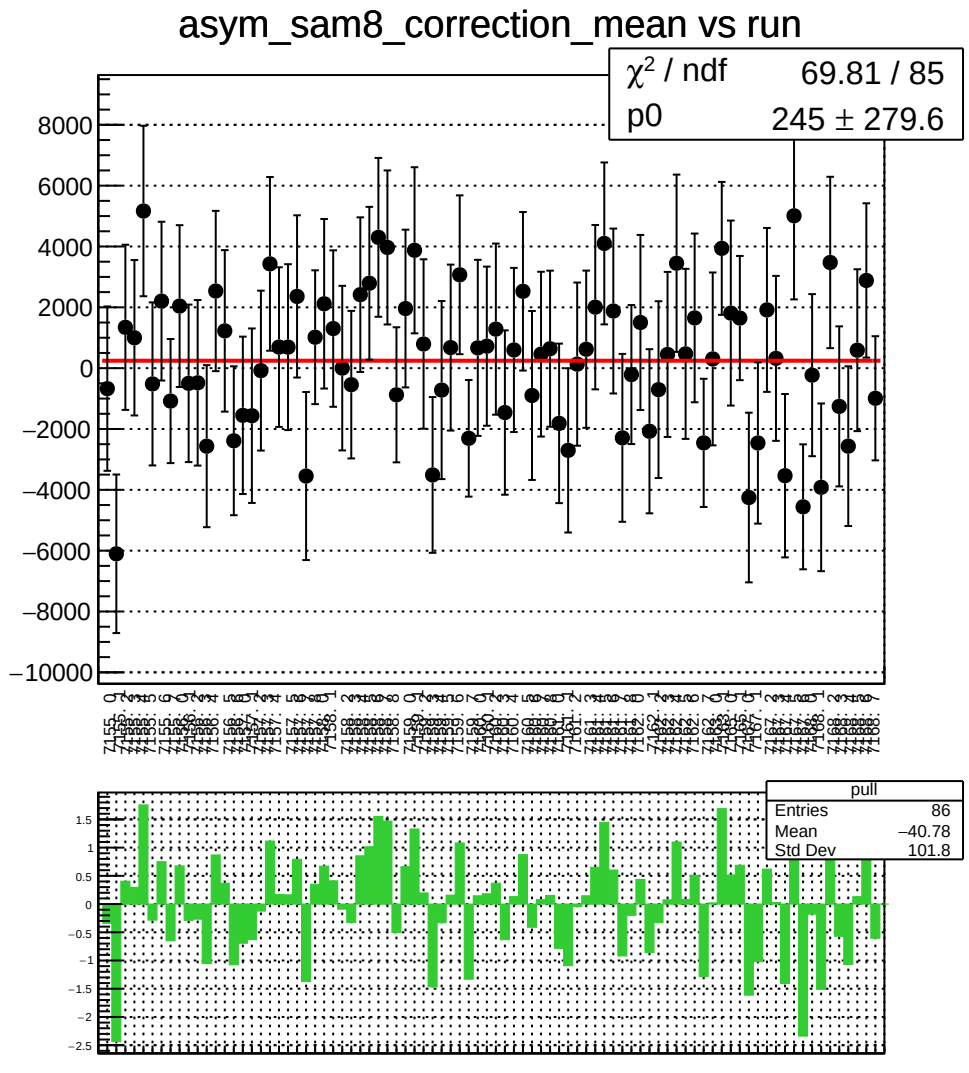

pull1D
Entries 86
Mean −0.004715
Std Dev 0.8408
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

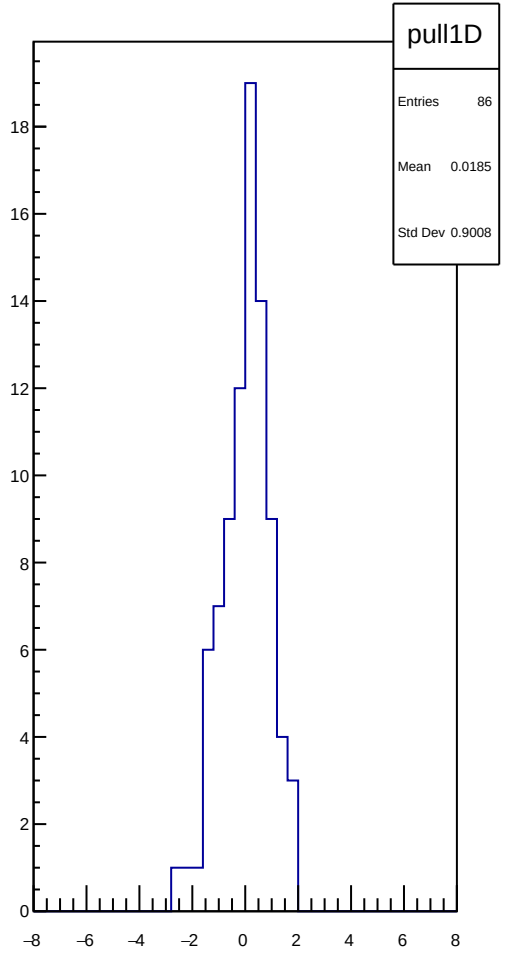

asym_sam7_rms vs run
χ² / ndf 6332 / 85
p0 320.4 ± 0.2483
380
360
340
320
300
280

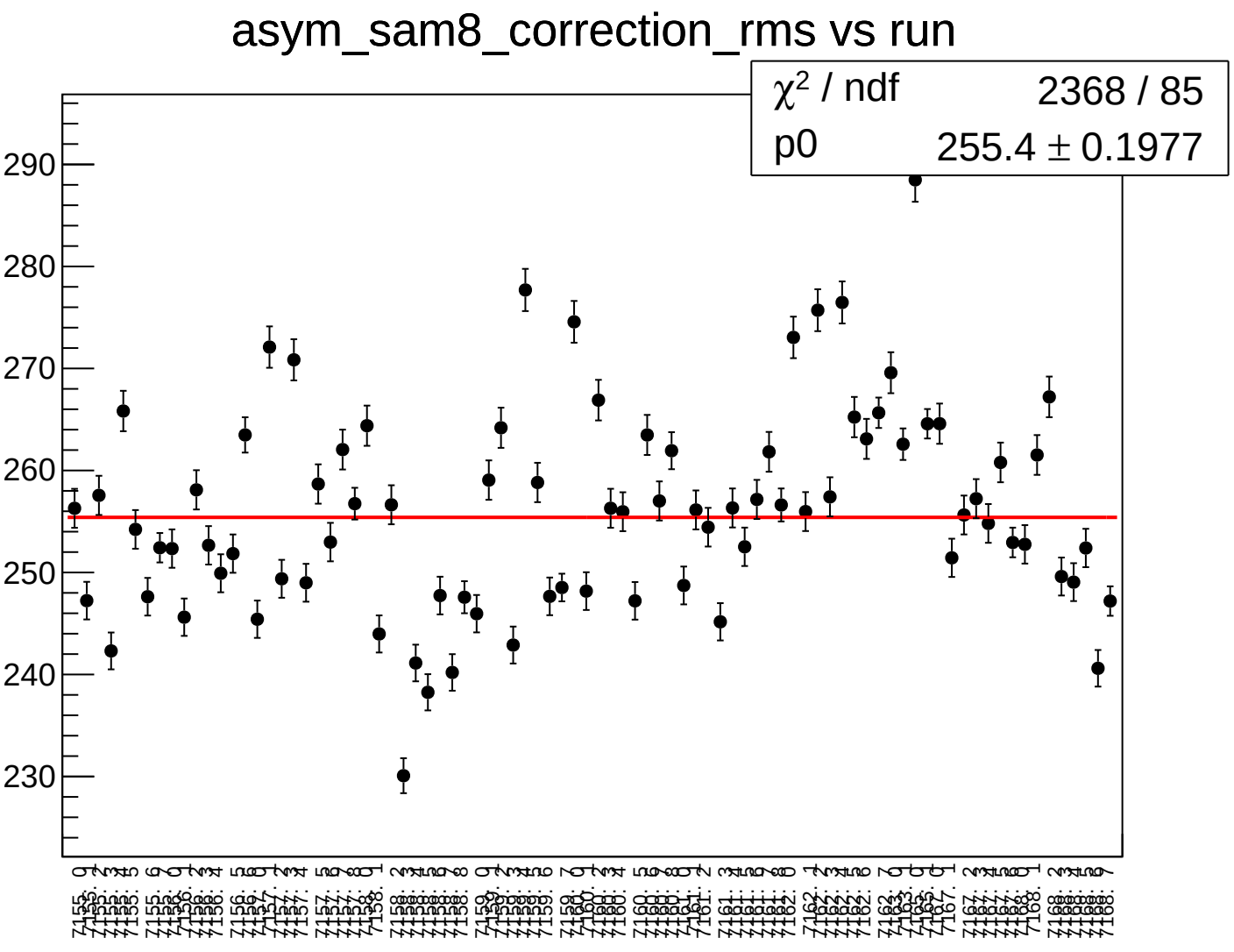

dit_asym_sam8_mean vs run
χ^2 / ndf 71.36 / 85
p0 157.6 ± 74.31
pull
Entries 86
Mean 136.5
Std Dev 65.71

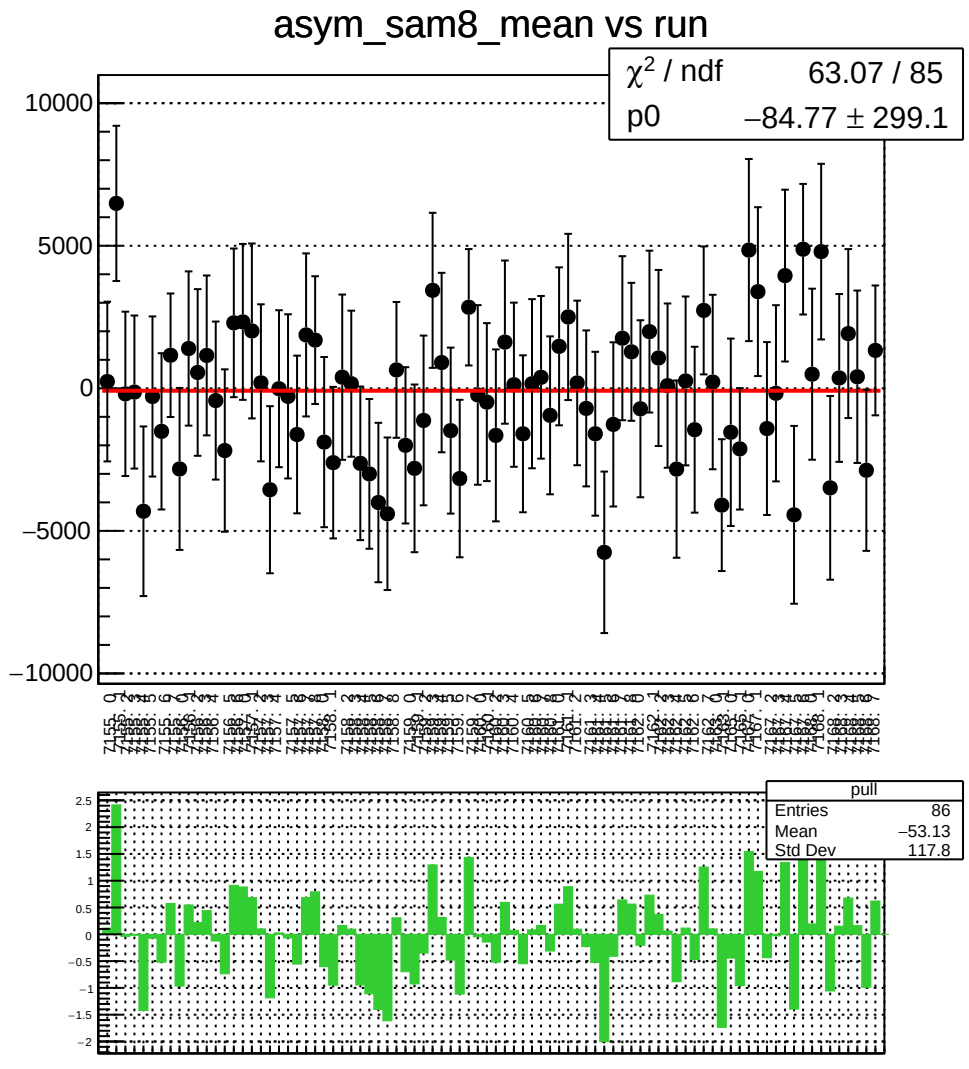

pull1D
Entries 86
Mean 0.01096
Std Dev 0.9108

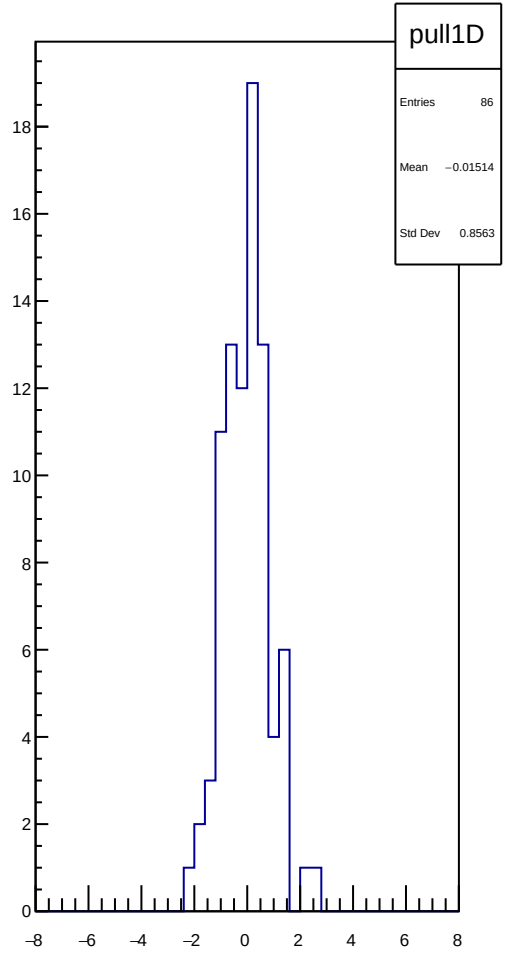

dit_asym_sam8_rms vs run
χ^2 / ndf 2.936e+04 / 85
p0 67.33 ± 0.05254
120
110
100
90
80
70
60

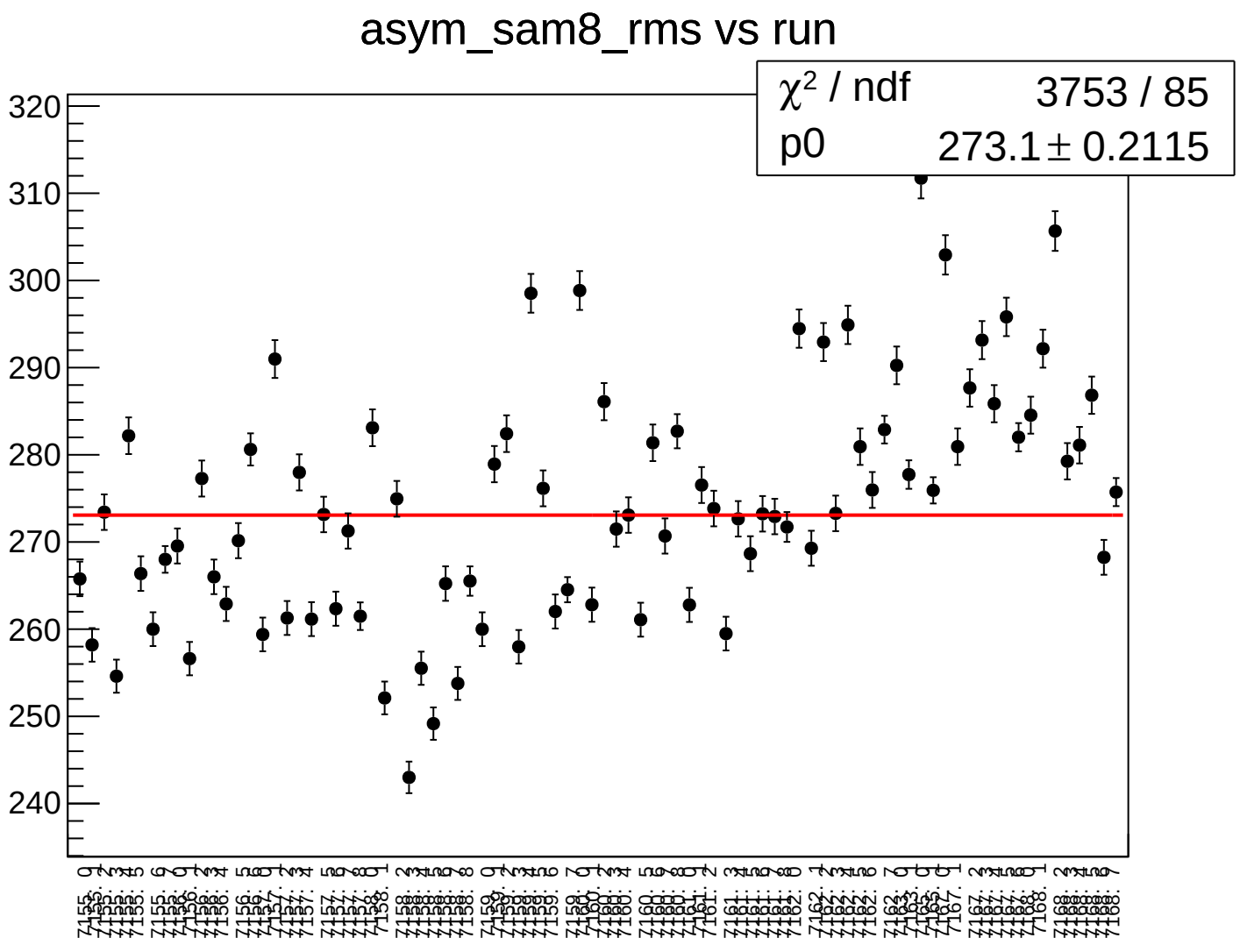

asym_sam8_correction_mean vs run
χ² / ndf 69.81 / 85
p0 245 ± 279.6
pull
Entries 86
Mean −40.78
Std Dev 101.8

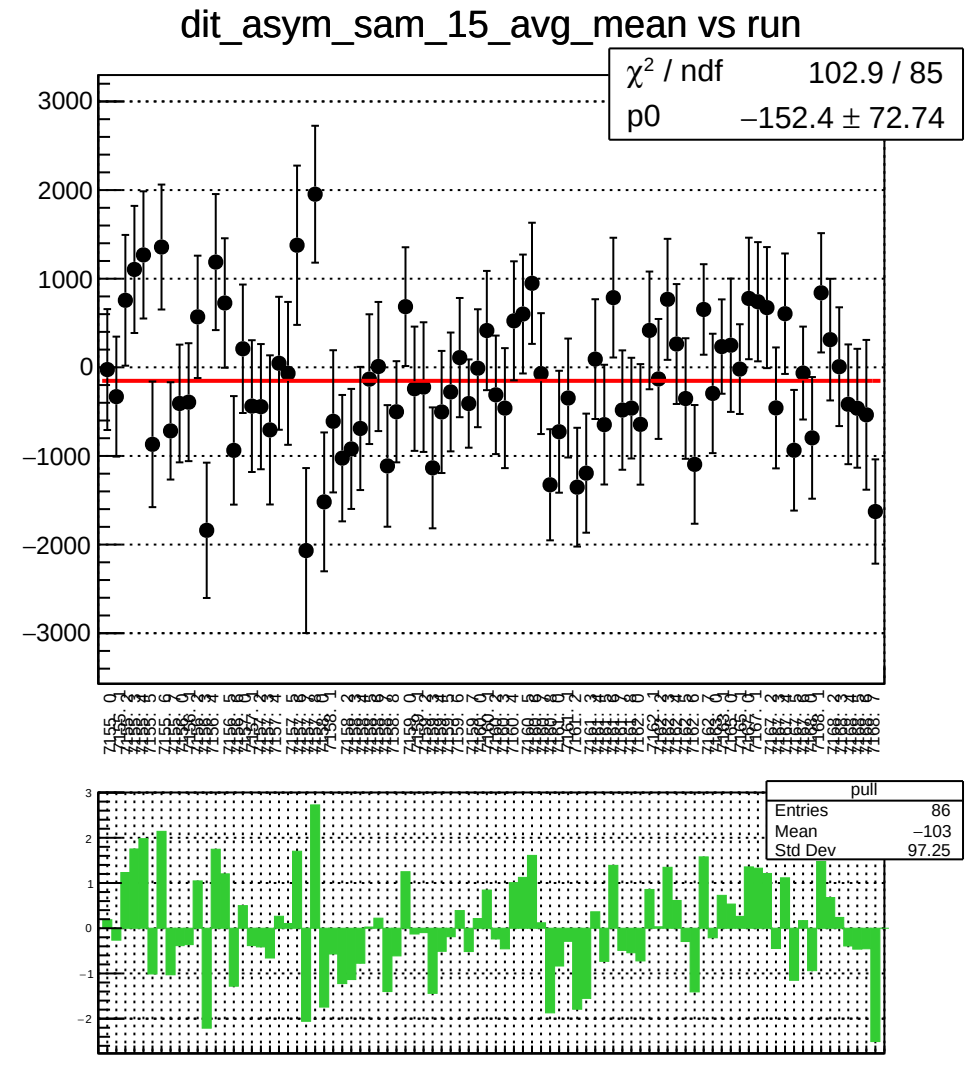

pull1D
Entries 86
Mean 0.0185
Std Dev 0.9008

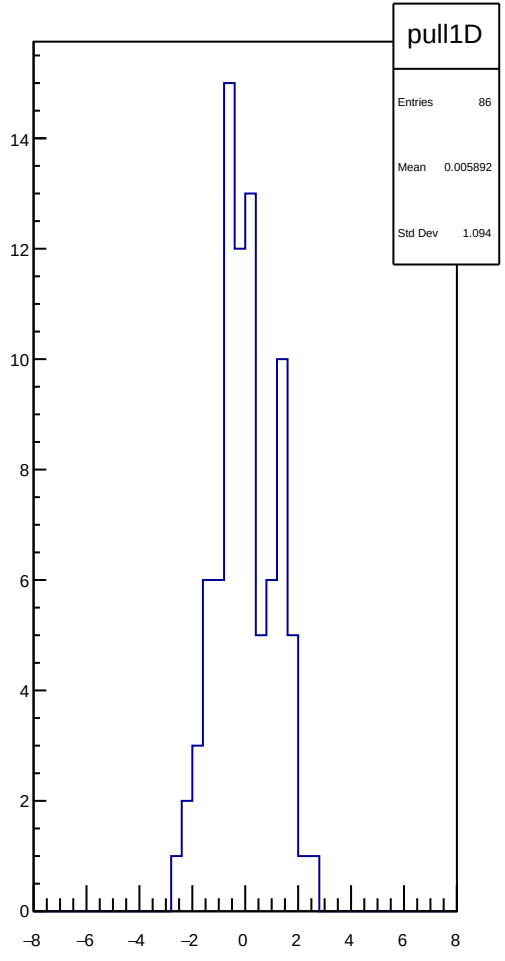

asym_sam8_correction_rms vs run
χ² / ndf 2368 / 85
p0 255.4 ± 0.1977
290
280
270
260
250
240
230

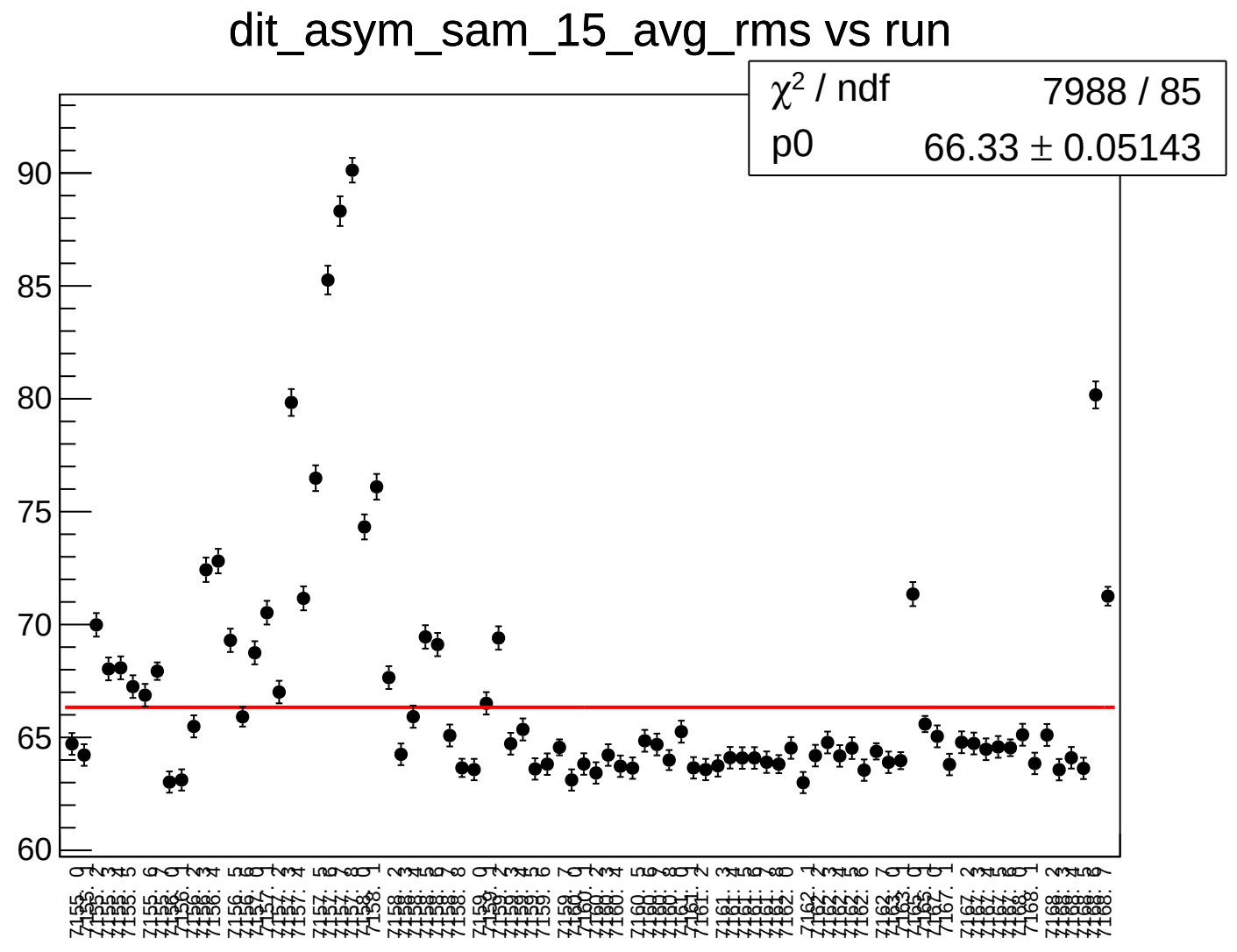

asym_sam8_mean vs run
χ² / ndf 63.07 / 85
p0 −84.77 ± 299.1
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −53.13
Std Dev 117.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

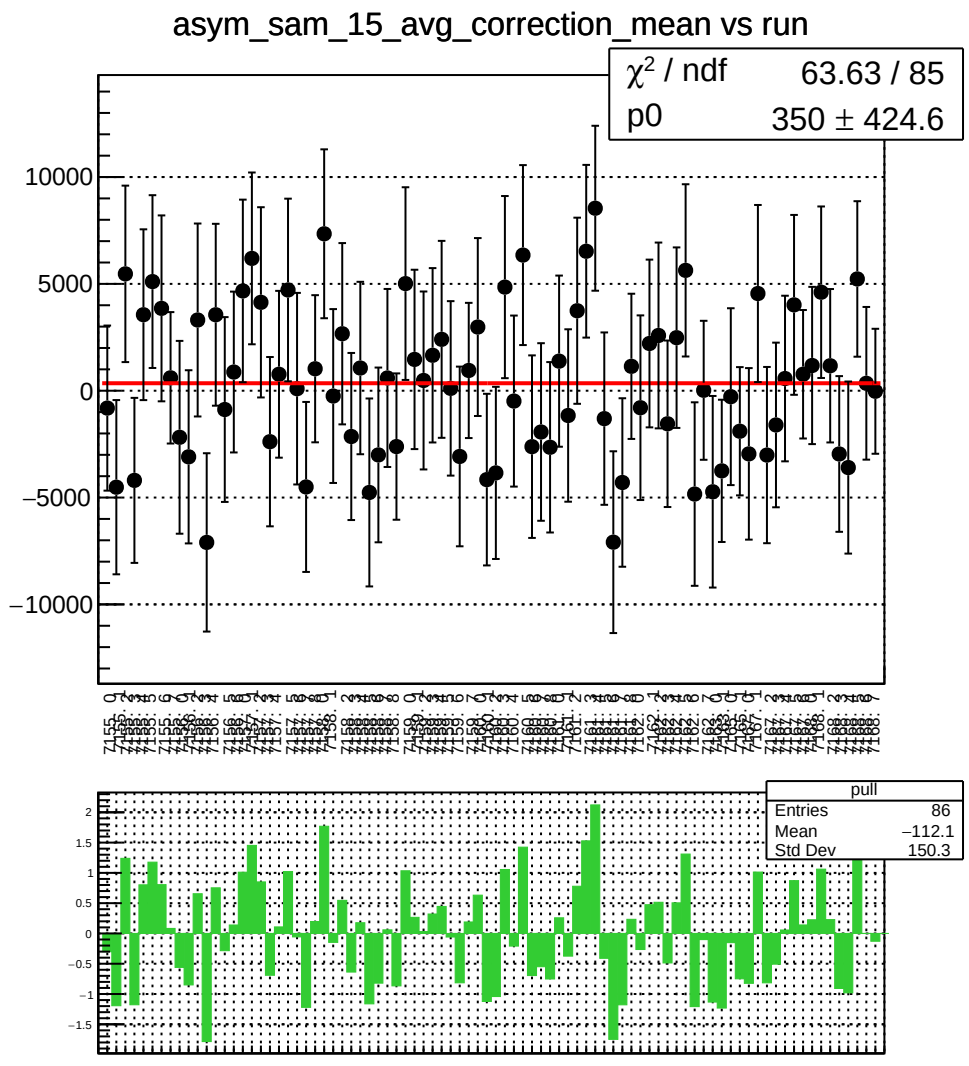

pull1D
Entries 86
Mean −0.01514
Std Dev 0.8563
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

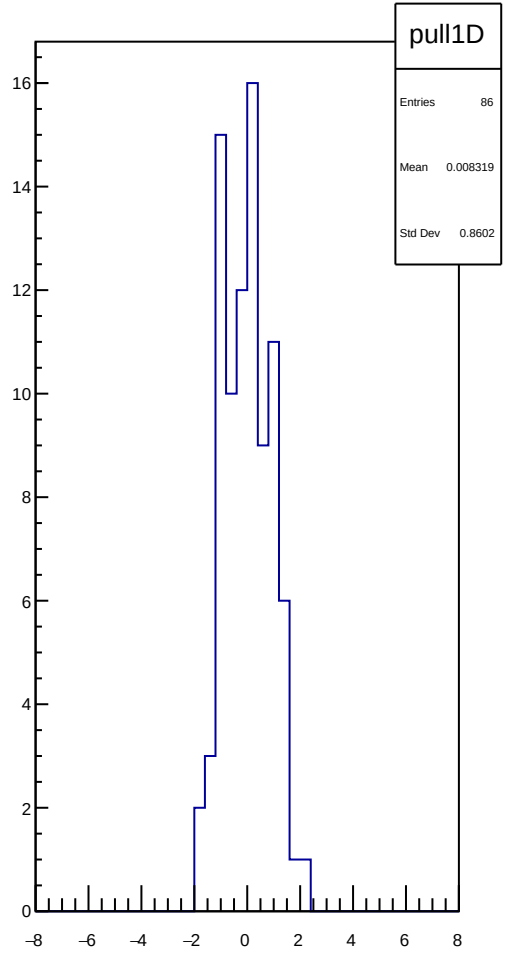

asym_sam8_rms vs run
χ² / ndf 3753 / 85
p0 273.1 ± 0.2115
320
310
300
290
280
270
260
250
240

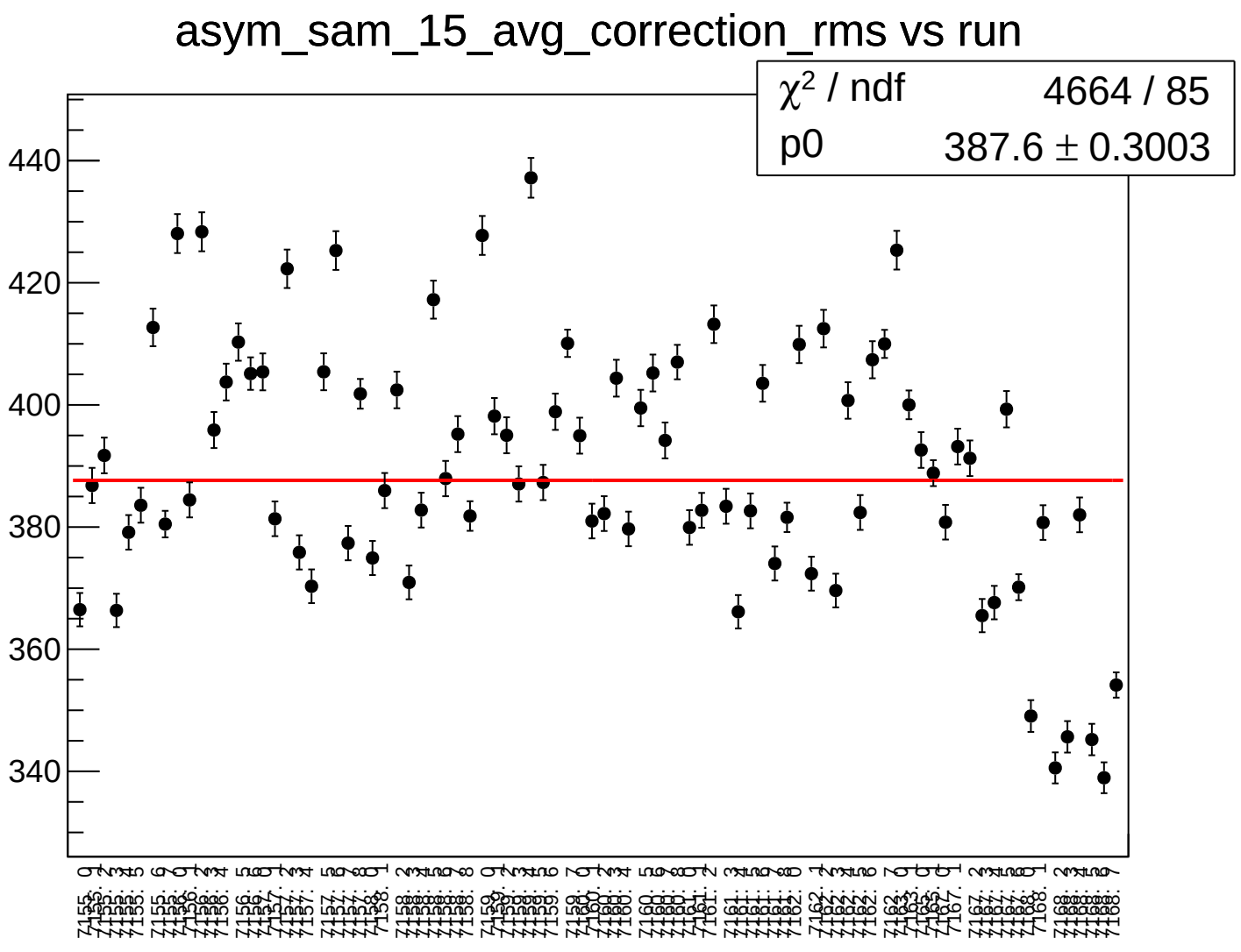

dit_asym_sam_15_avg_mean vs run
χ² / ndf 102.9 / 85
p0 −152.4 ± 72.74
pull
Entries 86
Mean −103
Std Dev 97.25

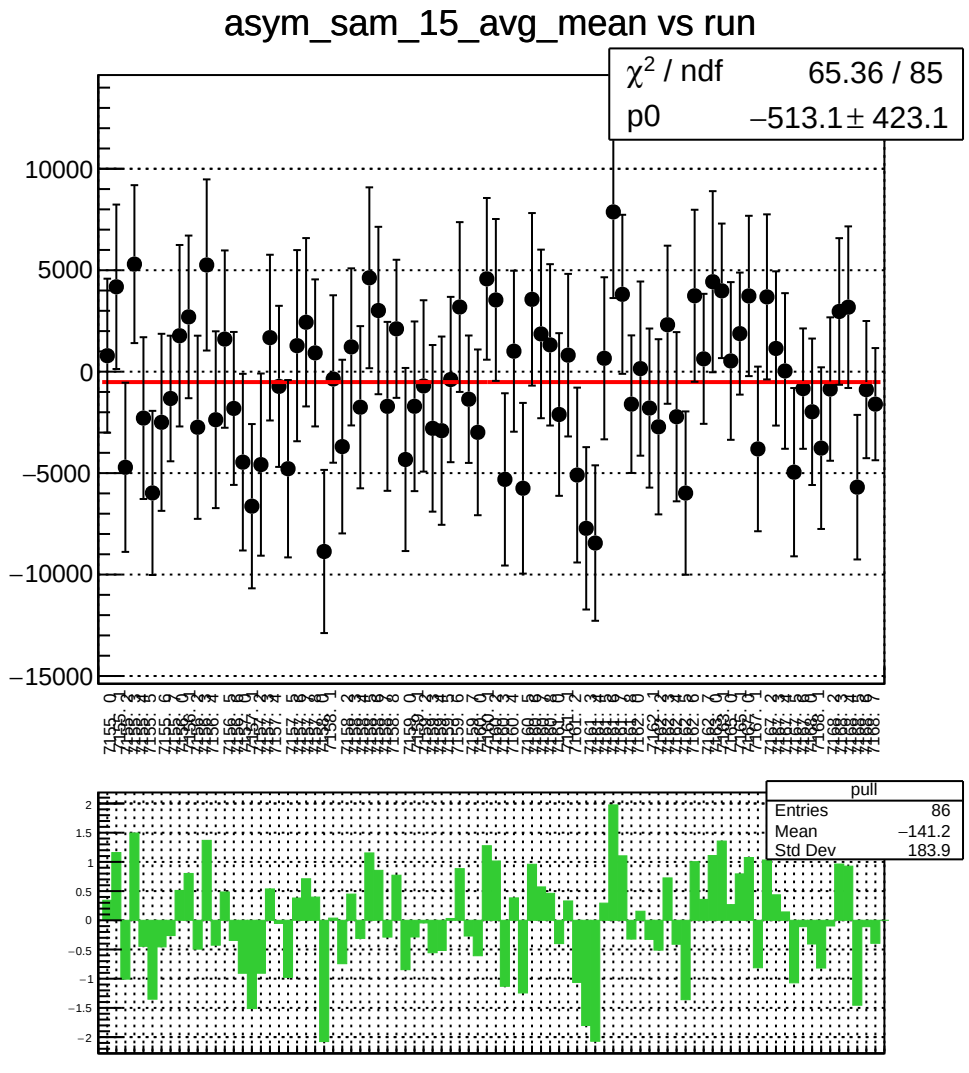

pull1D
Entries 86
Mean 0.005892
Std Dev 1.094

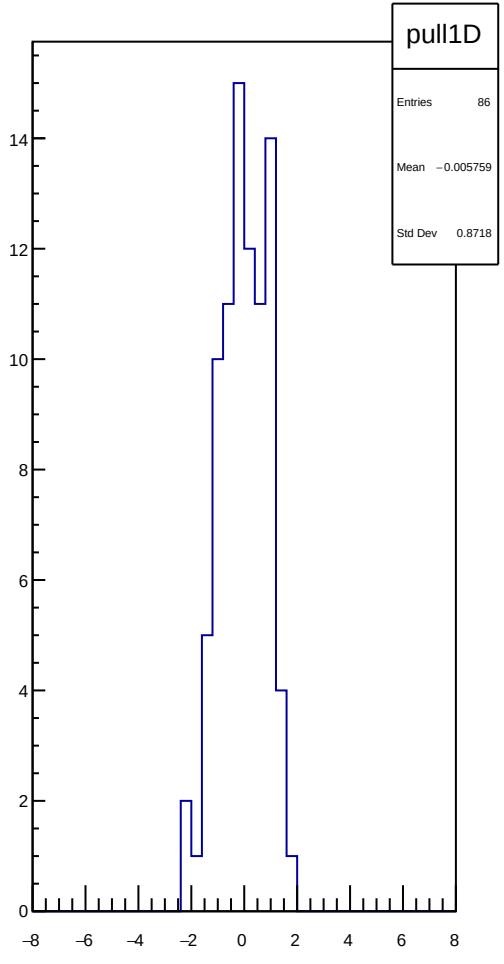

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 7988 / 85
p0 66.33 ± 0.05143
90
85
80
75
70
65
60

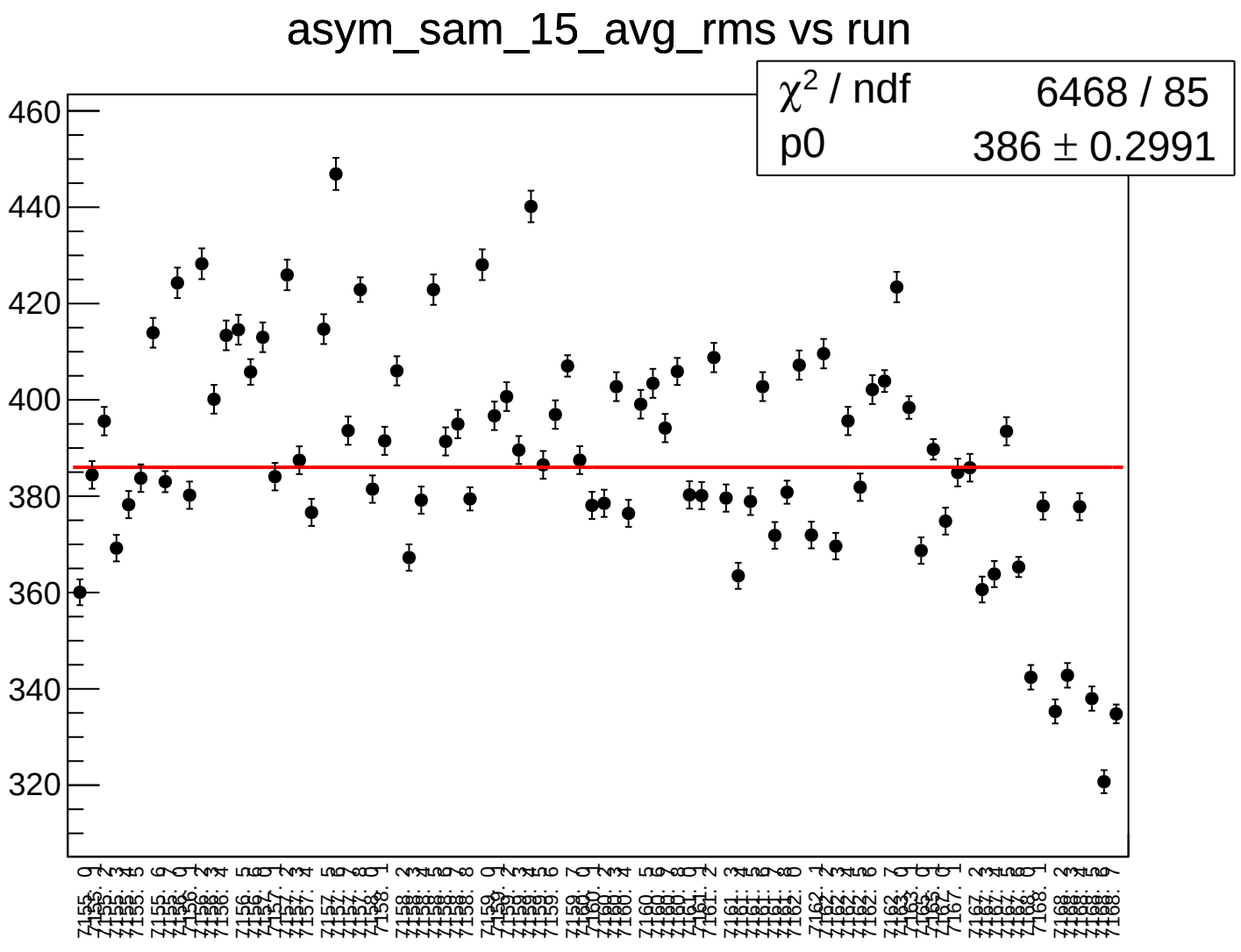

asym_sam_15_avg_correction_mean vs run
χ² / ndf 63.63 / 85
p0 350 ± 424.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −112.1
Std Dev 150.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

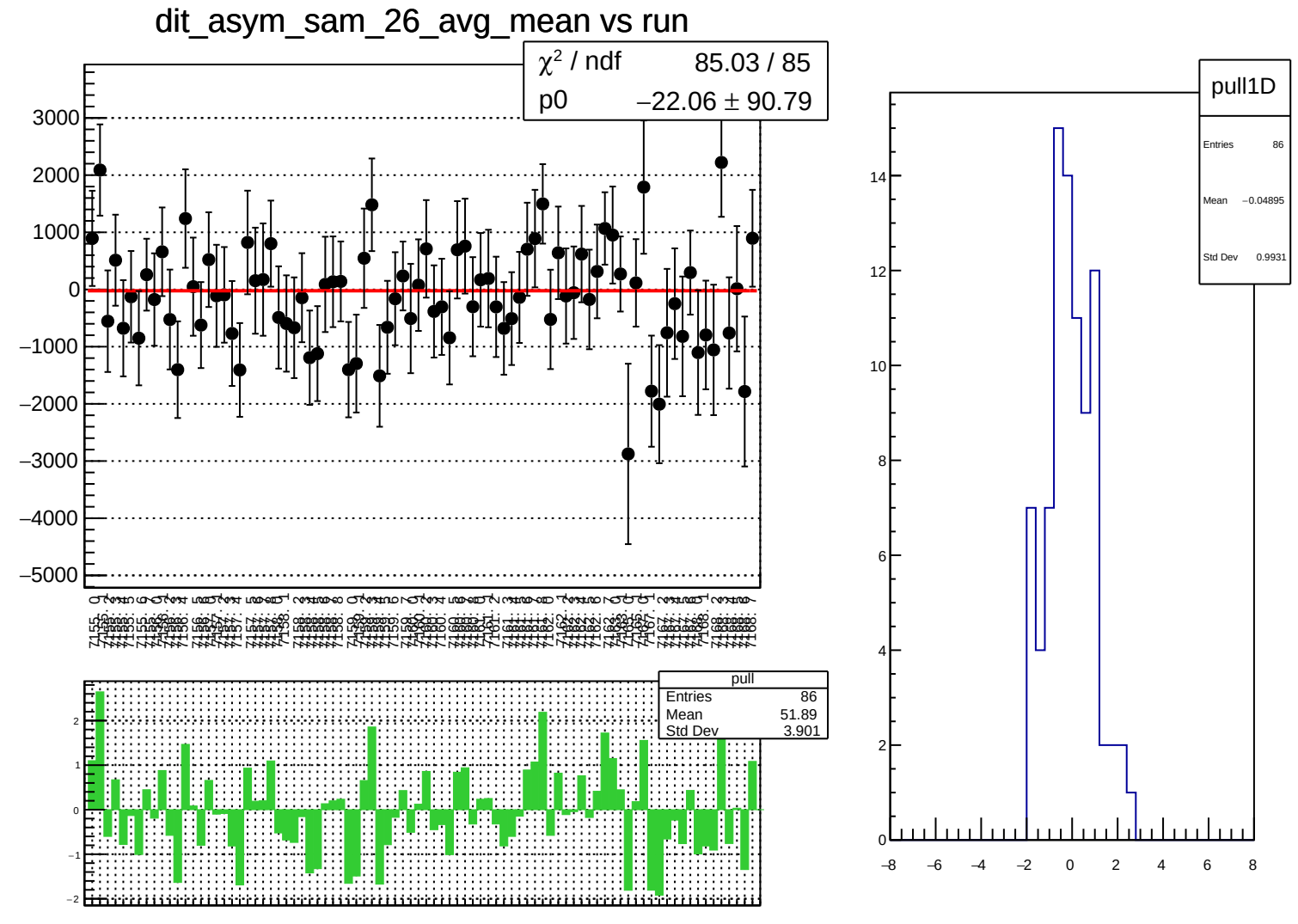

pull1D
Entries 86
Mean 0.008319
Std Dev 0.8602
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

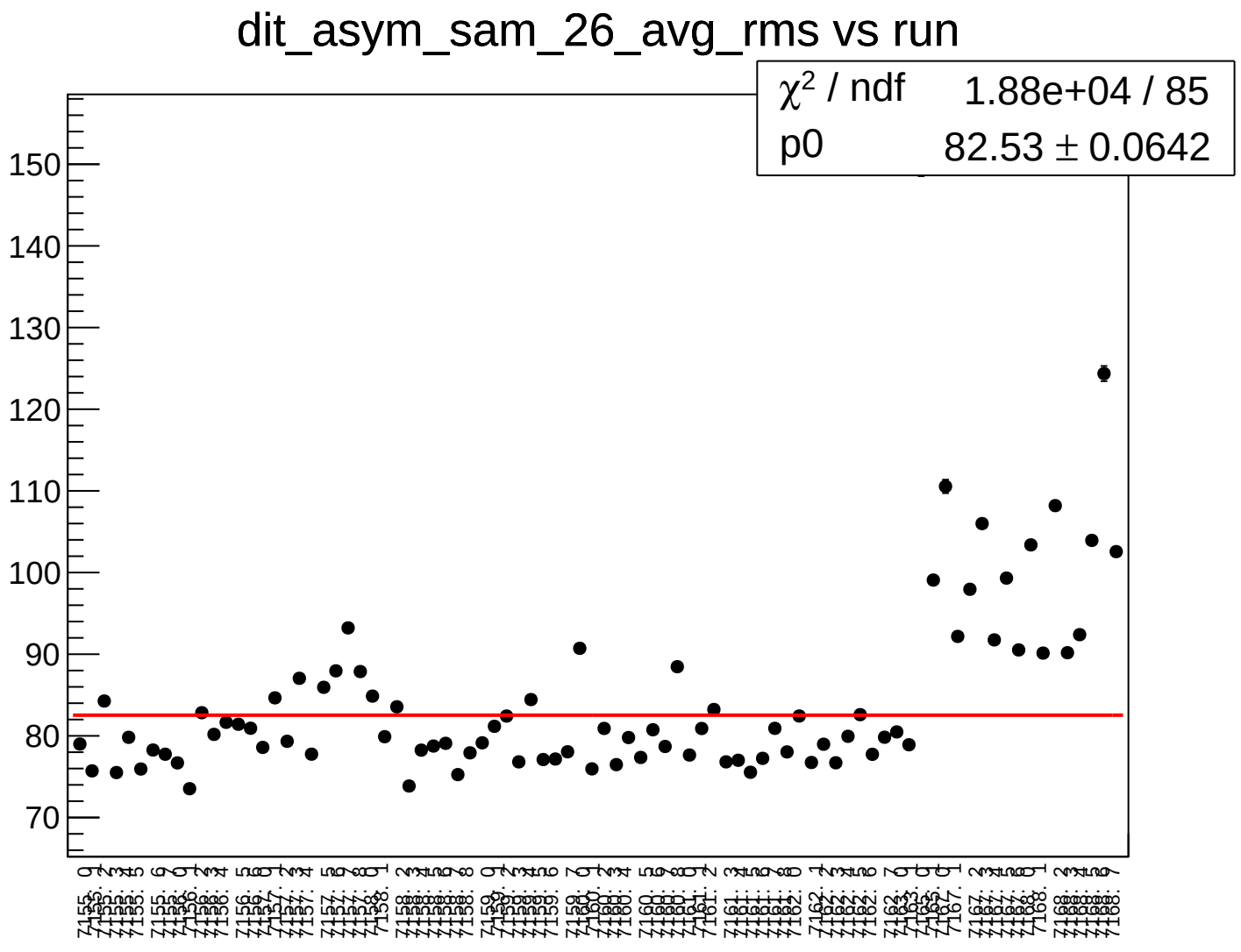

asym_sam_15_avg_correction_rms vs run
χ² / ndf 4664 / 85
p0 387.6 ± 0.3003
440
420
400
380
360
340

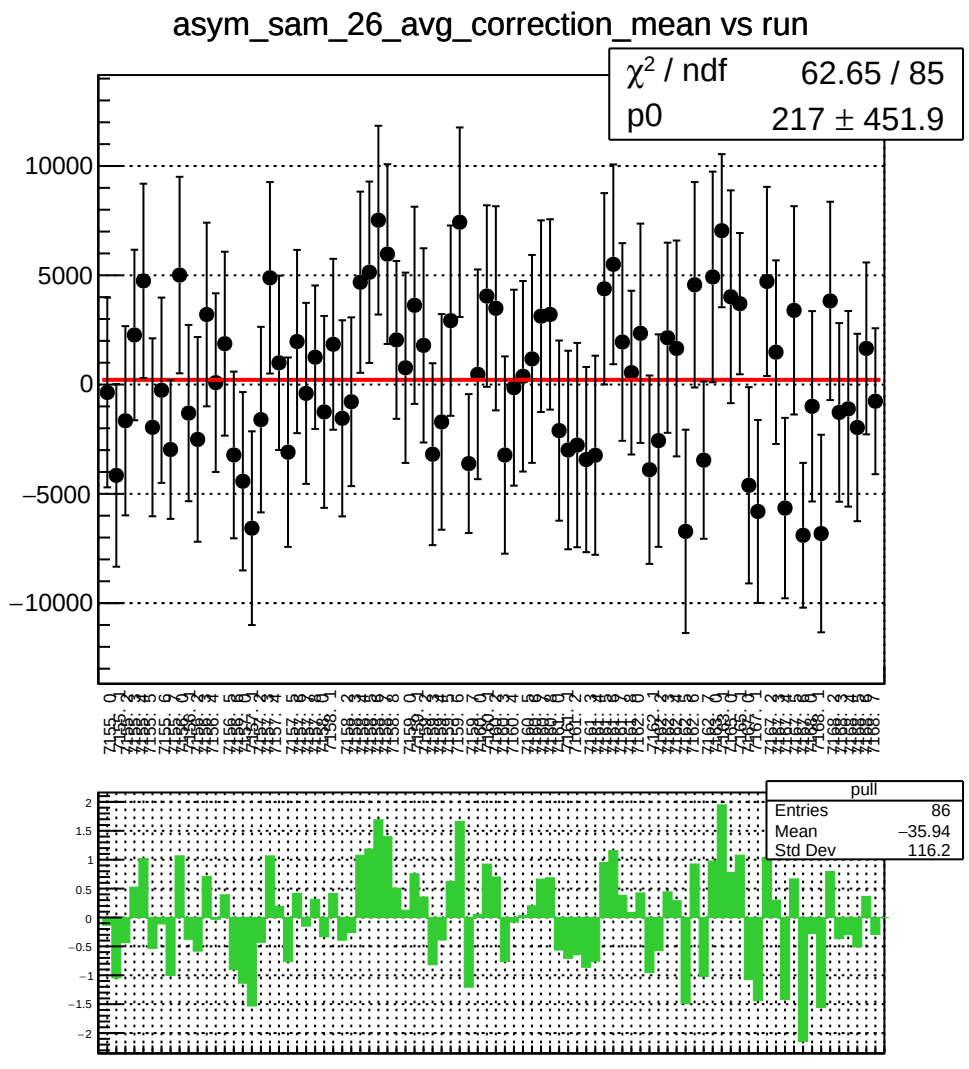

asym_sam_15_avg_mean vs run
χ² / ndf 65.36 / 85
p0 −513.1 ± 423.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −141.2
Std Dev 183.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

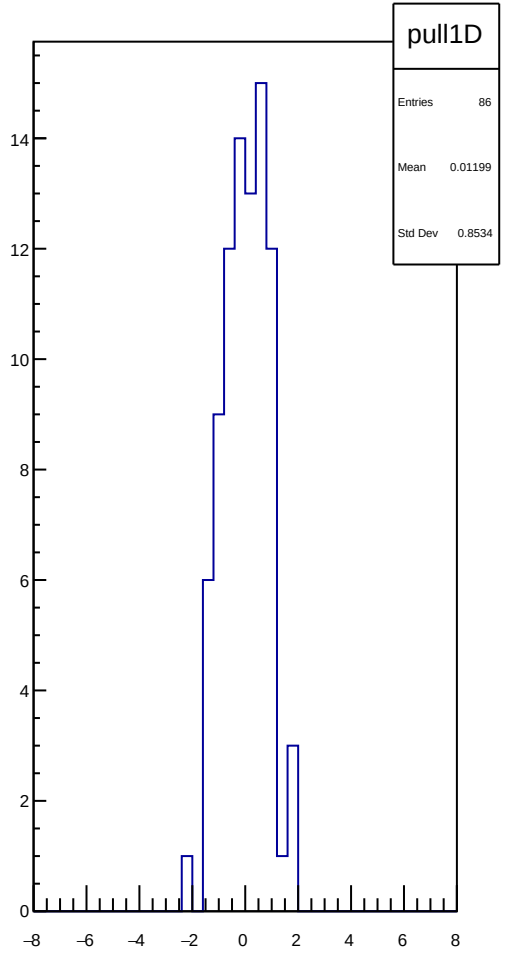

pull1D
Entries 86
Mean −0.005759
Std Dev 0.8718
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

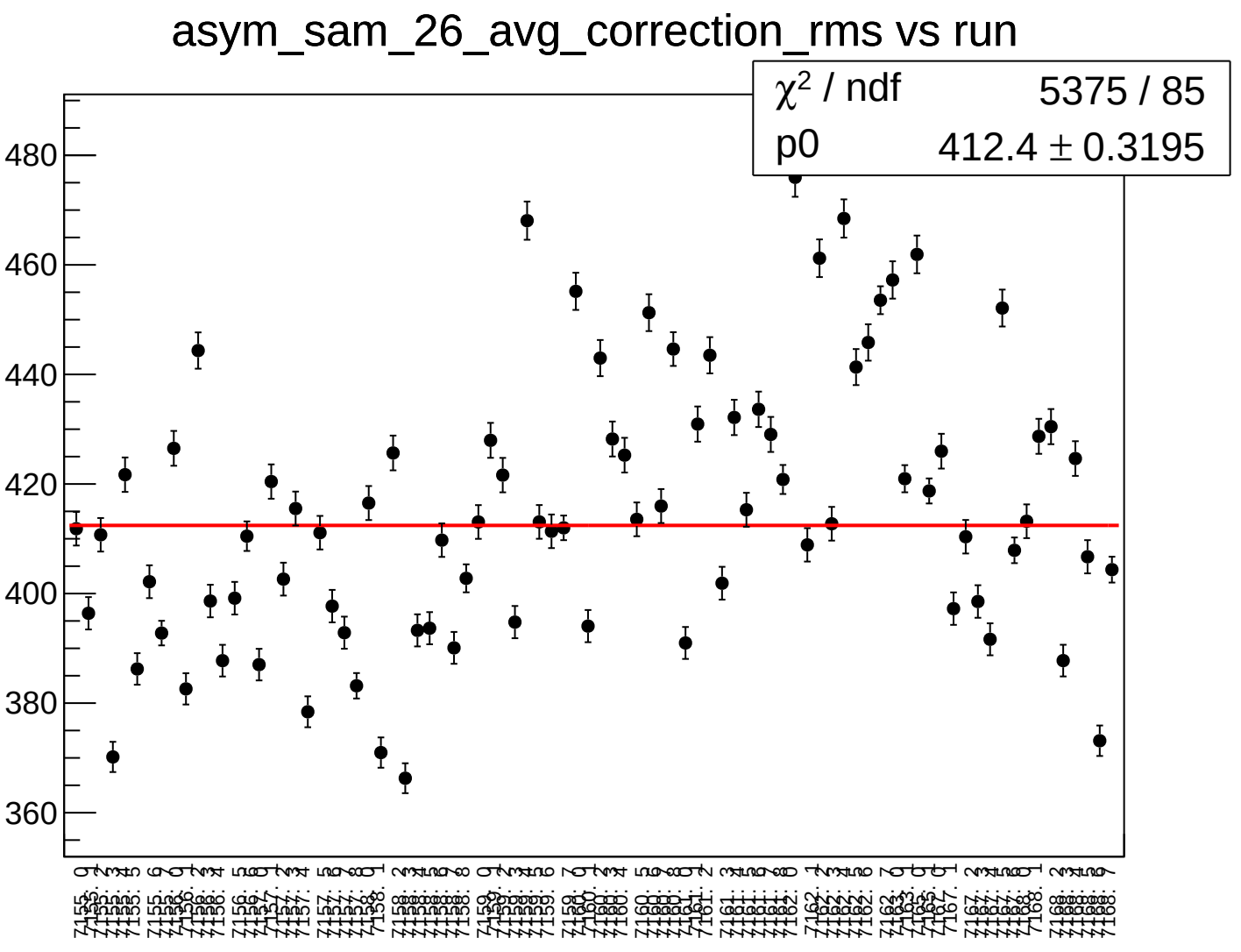

asym_sam_15_avg_rms vs run
χ² / ndf 6468 / 85
p0 386 ± 0.2991
460
440
420
400
380
360
340
320

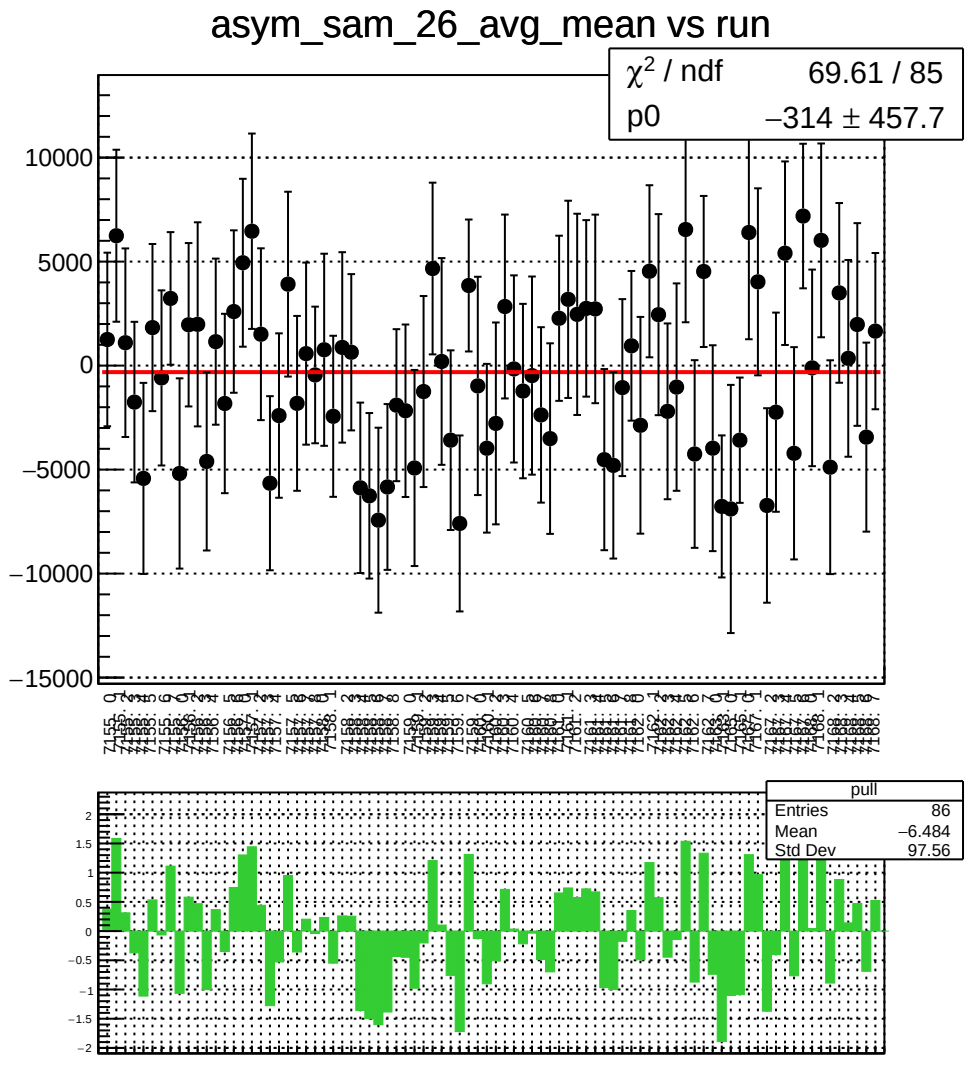

dit_asym_sam_26_avg_mean vs run
χ² / ndf 85.03 / 85
p0 −22.06 ± 90.79
pull
Entries 86
Mean 51.89
Std Dev 3.901
pull1D
Entries 86
Mean −0.04895
Std Dev 0.9931

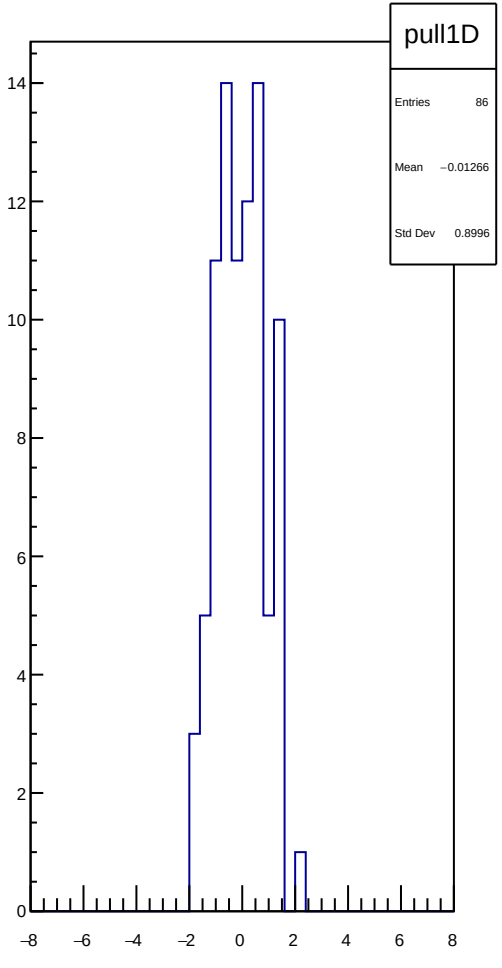

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.88e+04 / 85
p0 82.53 ± 0.0642
150
140
130
120
110
100
90
80
70

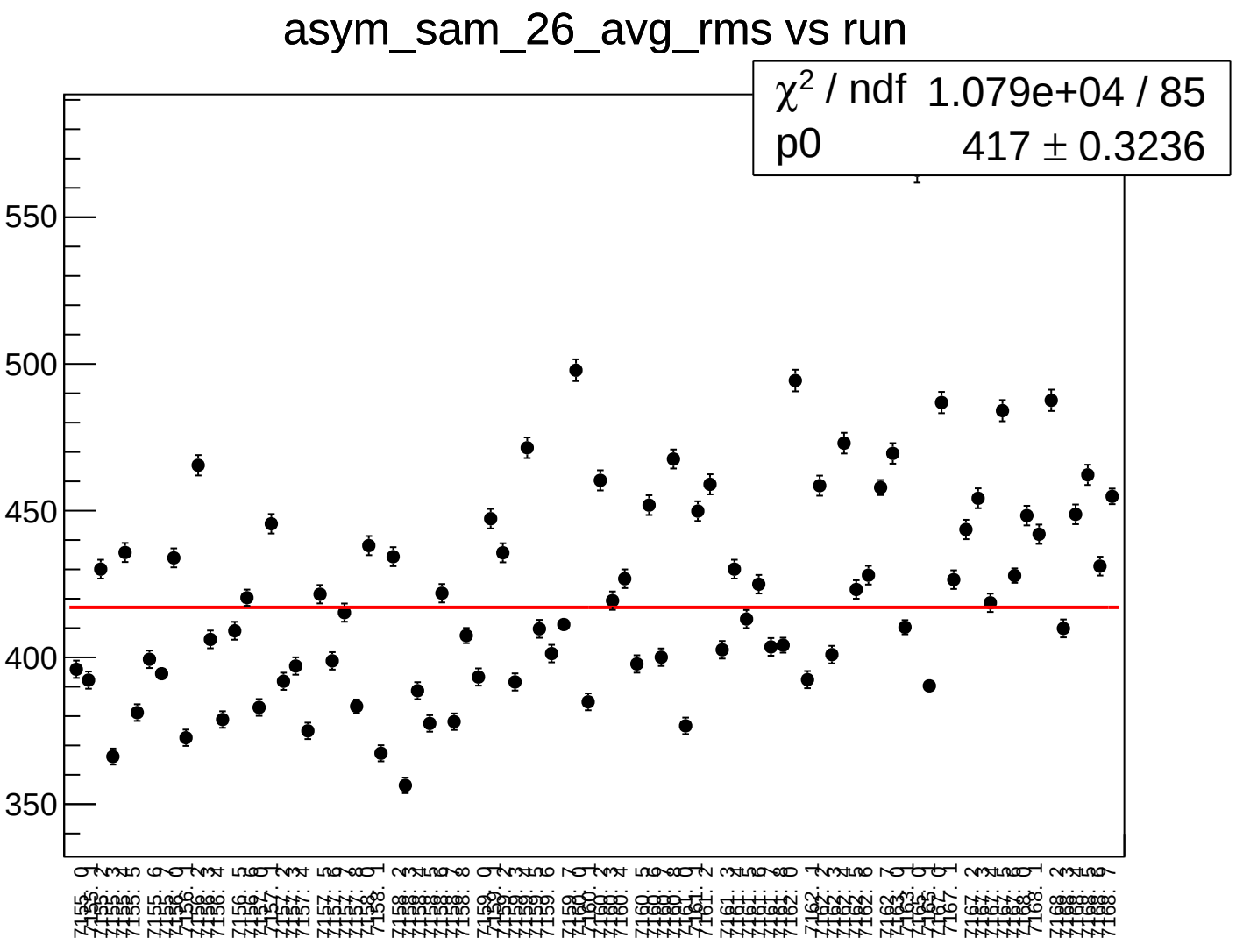

asym_sam_26_avg_correction_mean vs run
χ² / ndf 62.65 / 85
p0 217 ± 451.9
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −35.94
Std Dev 116.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

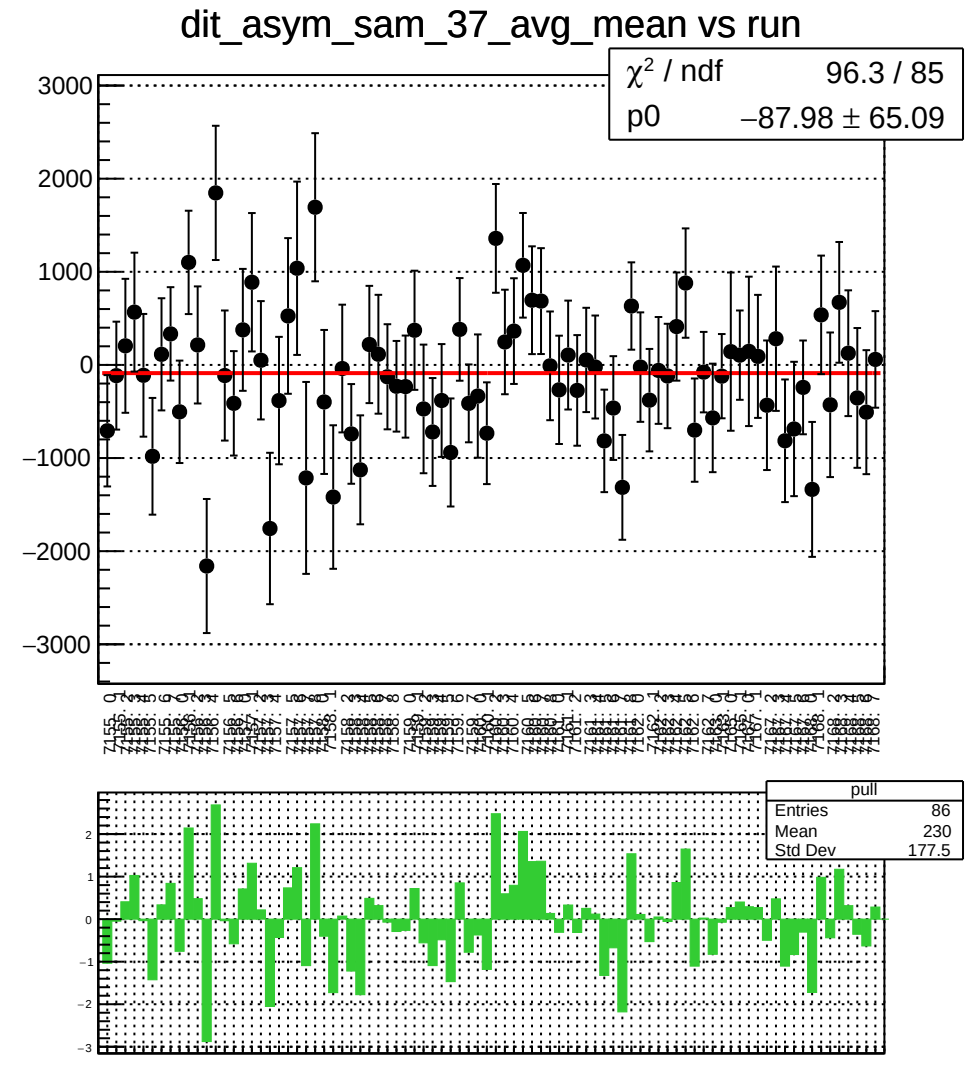

pull1D
Entries 86
Mean 0.01199
Std Dev 0.8534
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

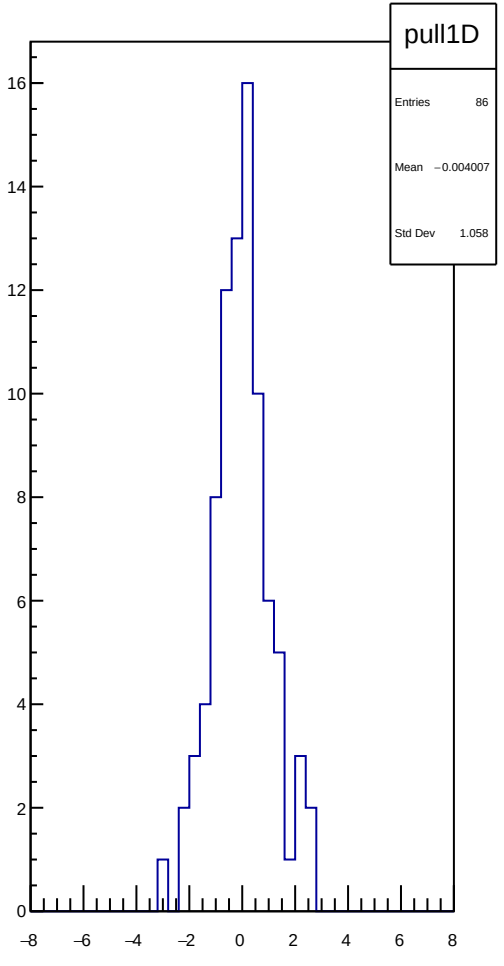

asym_sam_26_avg_correction_rms vs run
χ² / ndf 5375 / 85
p0 412.4 ± 0.3195
480
460
440
420
400
380
360

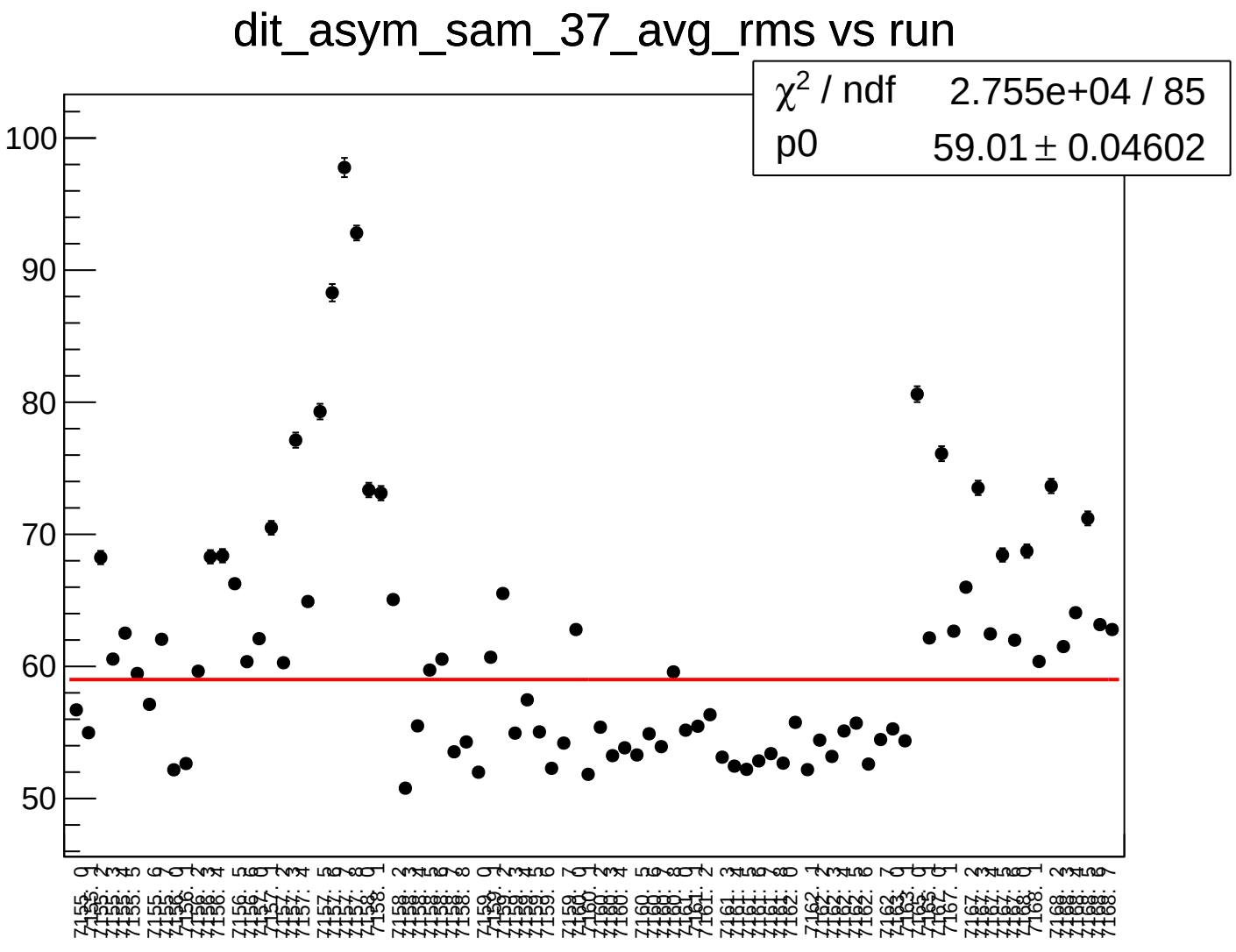

asym_sam_26_avg_mean vs run
χ² / ndf 69.61 / 85
p0 −314 ± 457.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −6.484
Std Dev 97.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

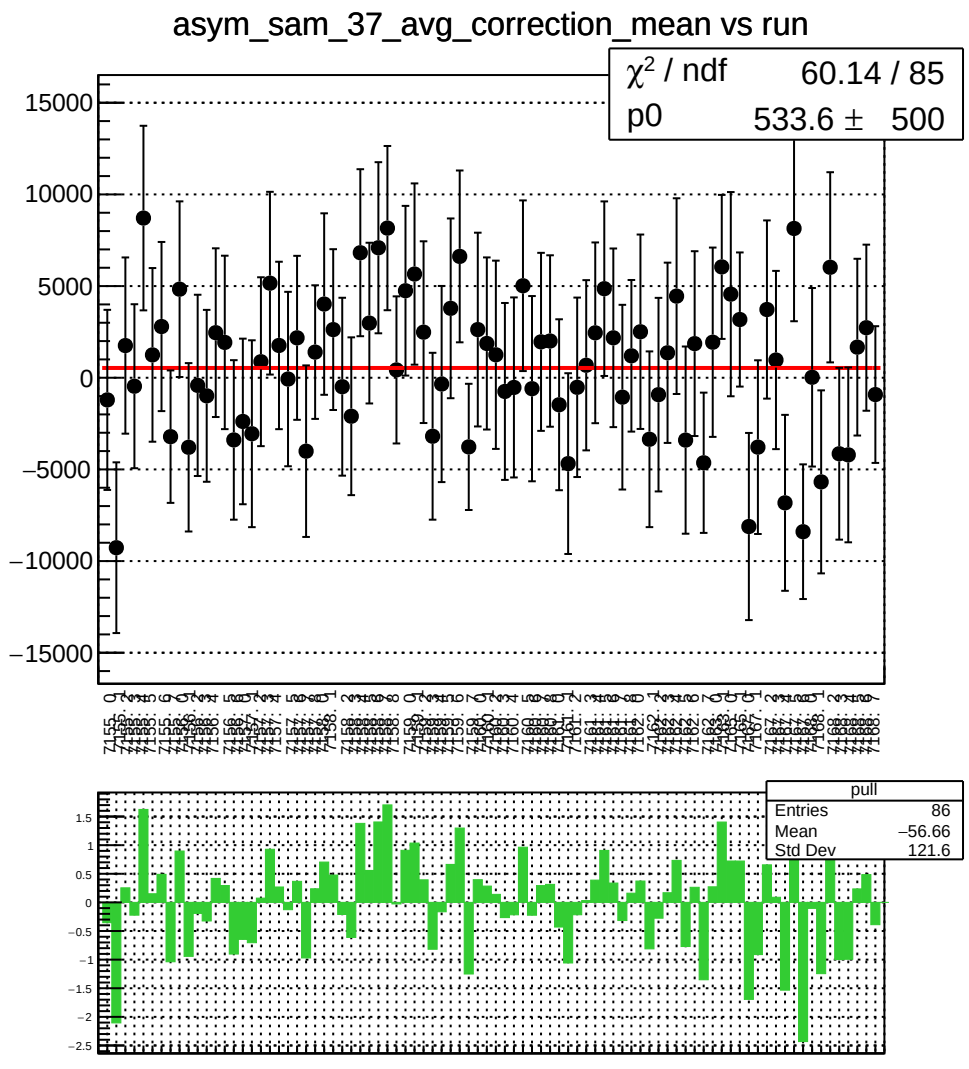

pull1D
Entries 86
Mean −0.01266
Std Dev 0.8996
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

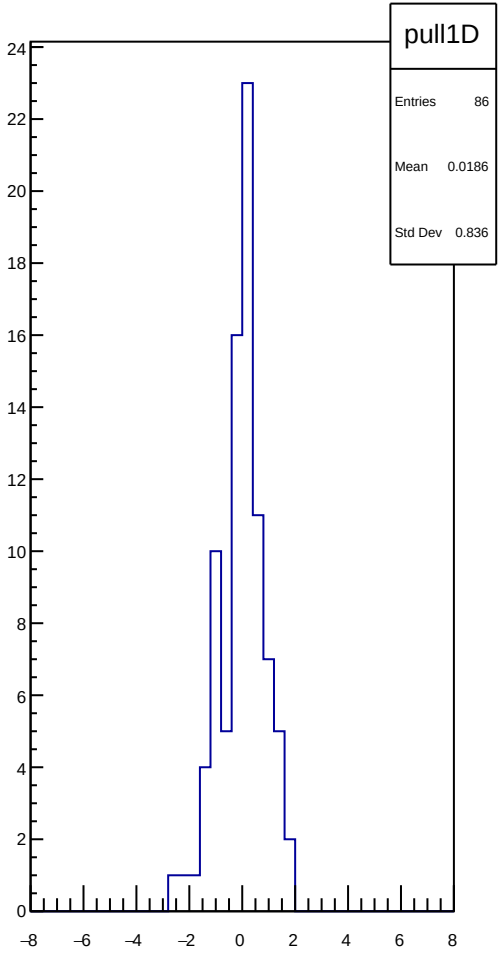

asym_sam_26_avg_rms vs run
χ^2 / ndf 1.079e+04 / 85
p0 417 ± 0.3236
550
500
450
400
350

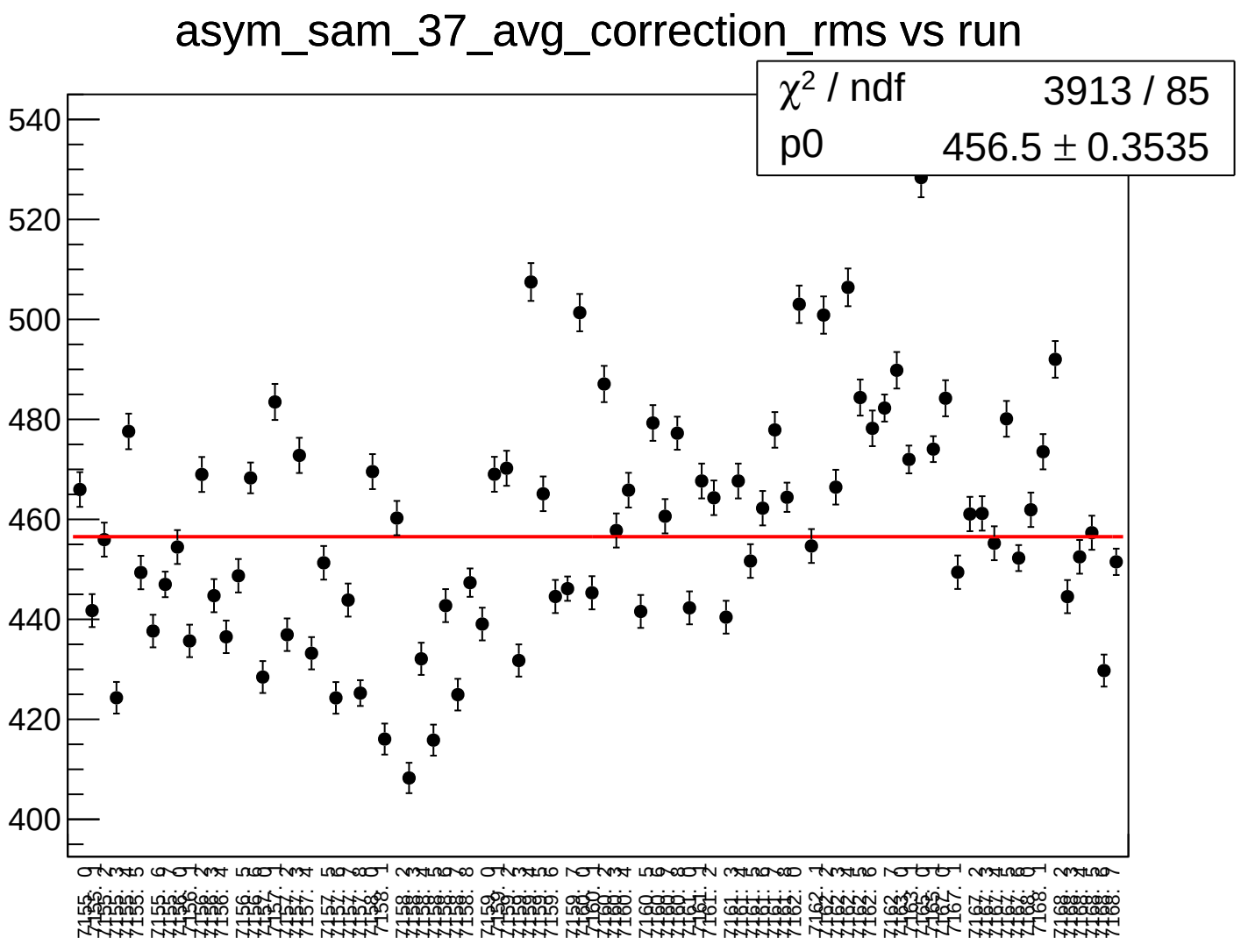

dit_asym_sam_37_avg_mean vs run
χ² / ndf 96.3 / 85
p0 −87.98 ± 65.09
pull
Entries 86
Mean 230
Std Dev 177.5

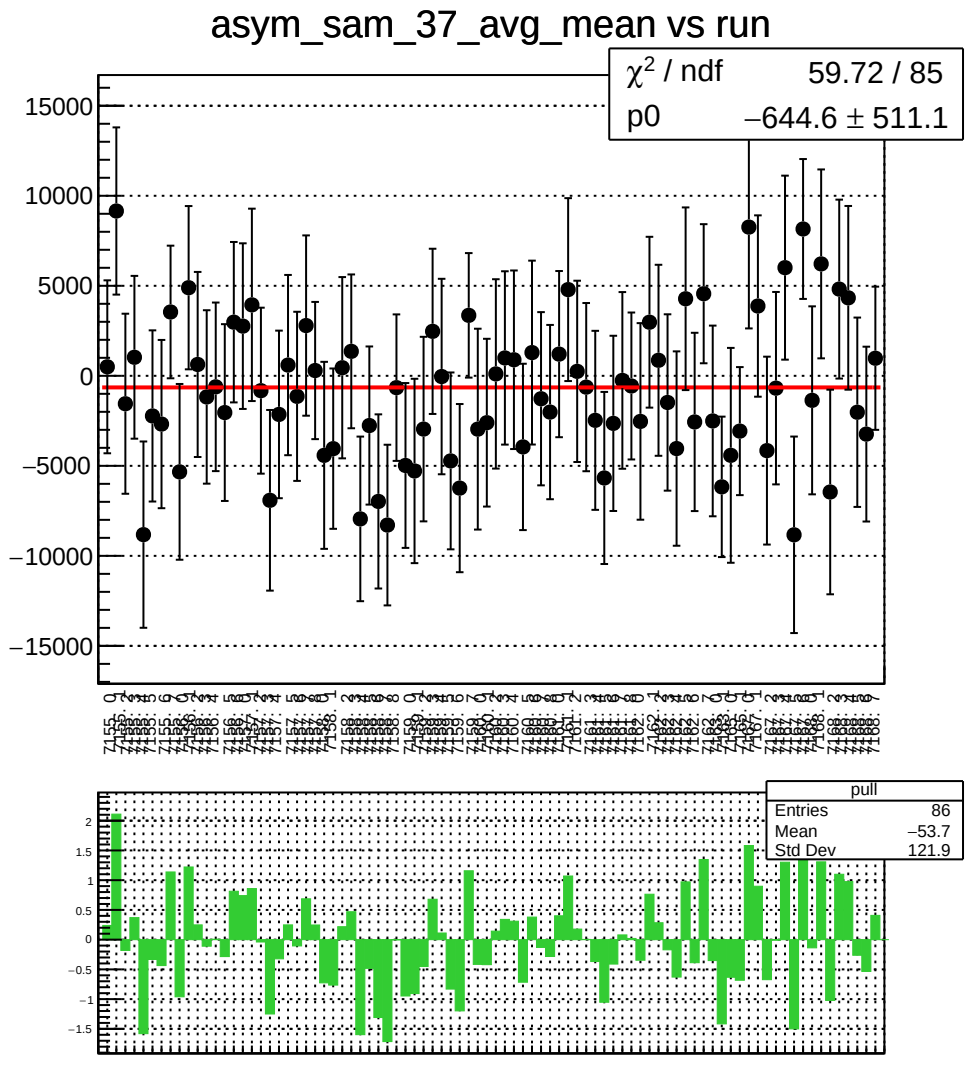

pull1D
Entries 86
Mean −0.004007
Std Dev 1.058

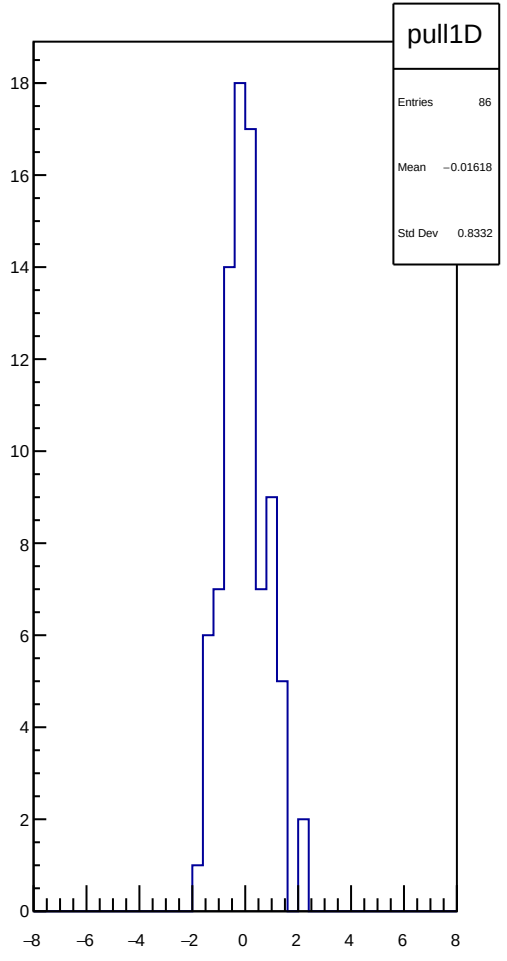

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.755e+04 / 85
p0 59.01 ± 0.04602
100
90
80
70
60
50

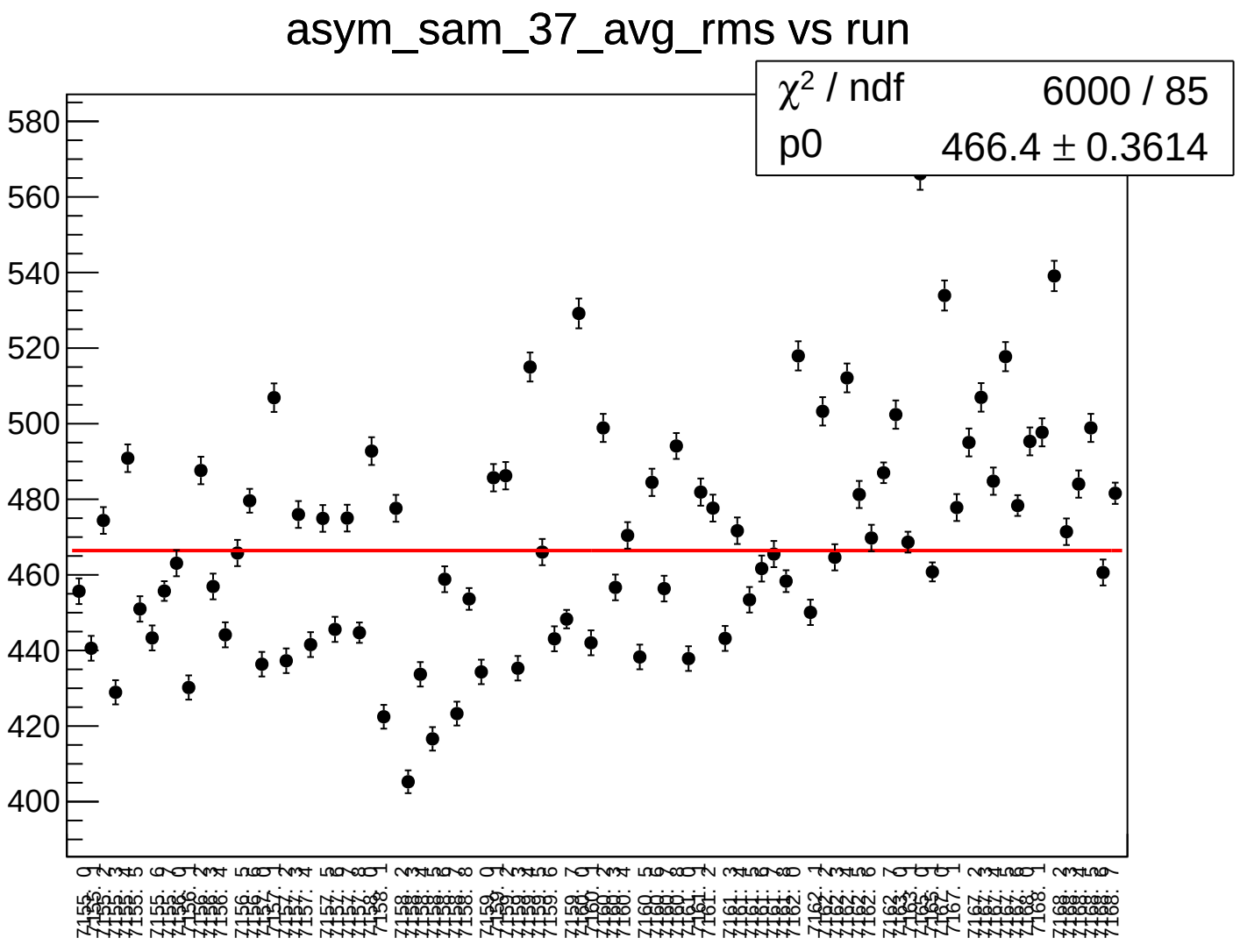

asym_sam_37_avg_correction_mean vs run
χ² / ndf 60.14 / 85
p0 533.6 ± 500
pull
Entries 86
Mean −56.66
Std Dev 121.6

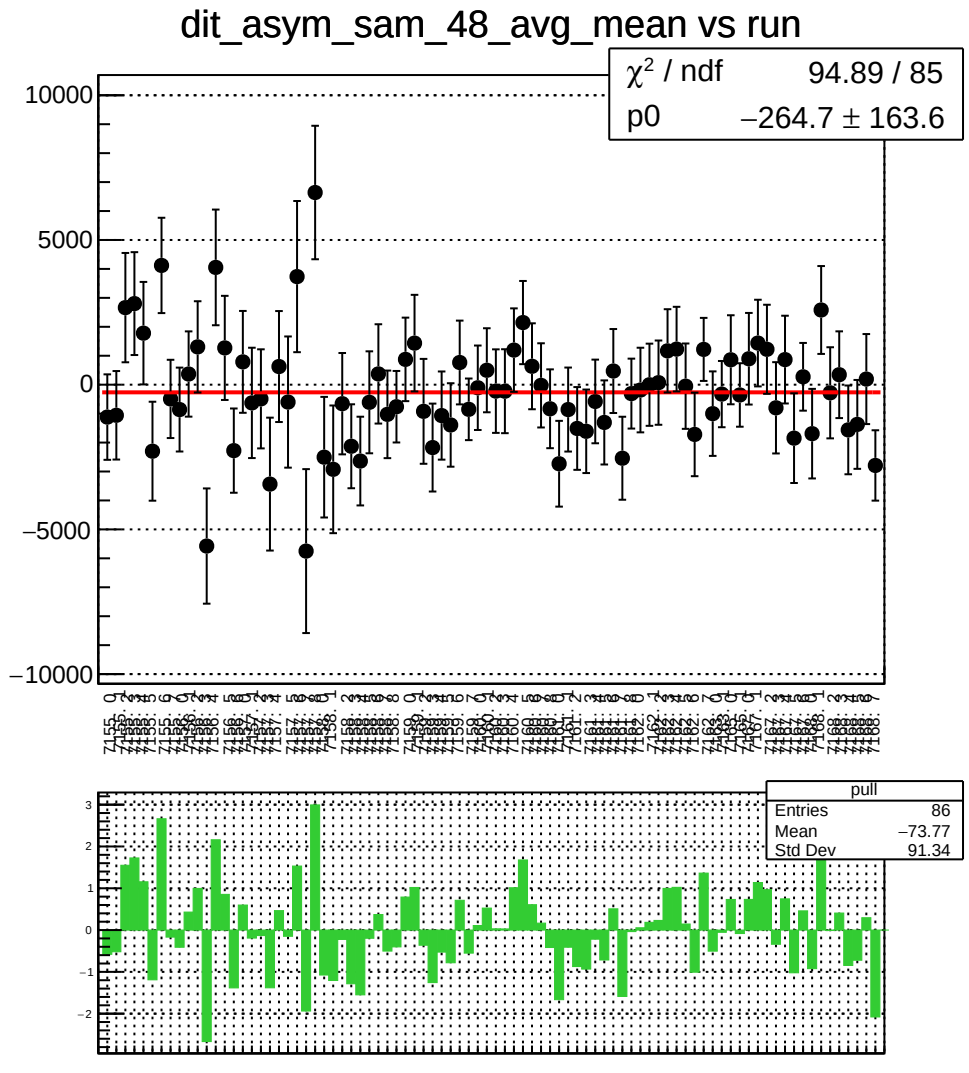

pull1D
Entries 86
Mean 0.0186
Std Dev 0.836

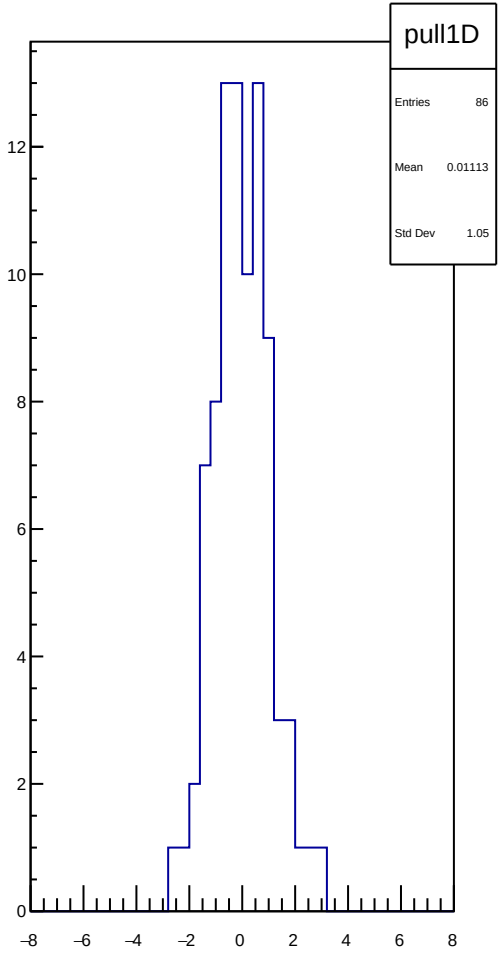

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3913 / 85
p0 456.5 ± 0.3535
540
520
500
480
460
440
420
400

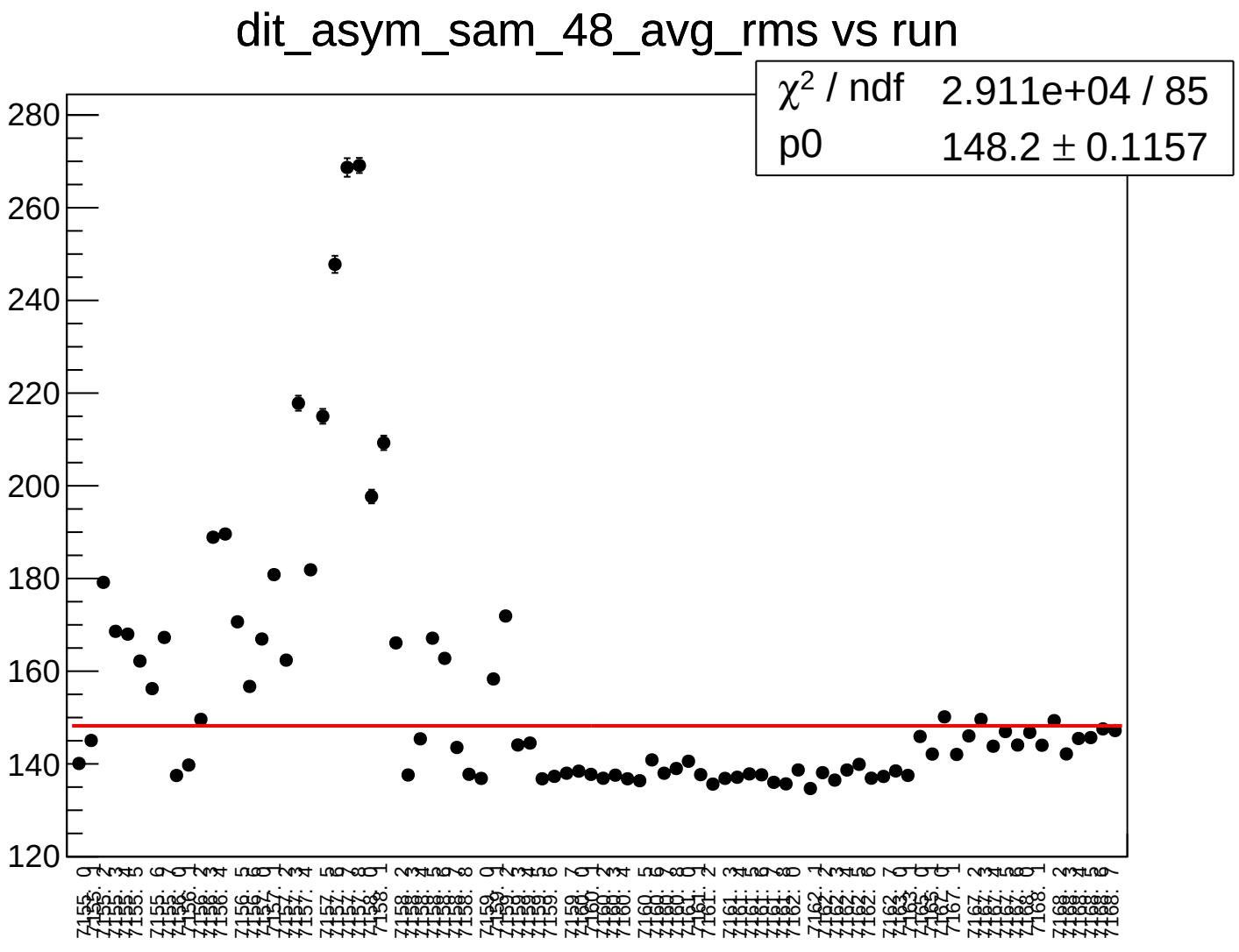

asym_sam_37_avg_mean vs run
χ² / ndf 59.72 / 85
p0 −644.6 ± 511.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −53.7
Std Dev 121.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

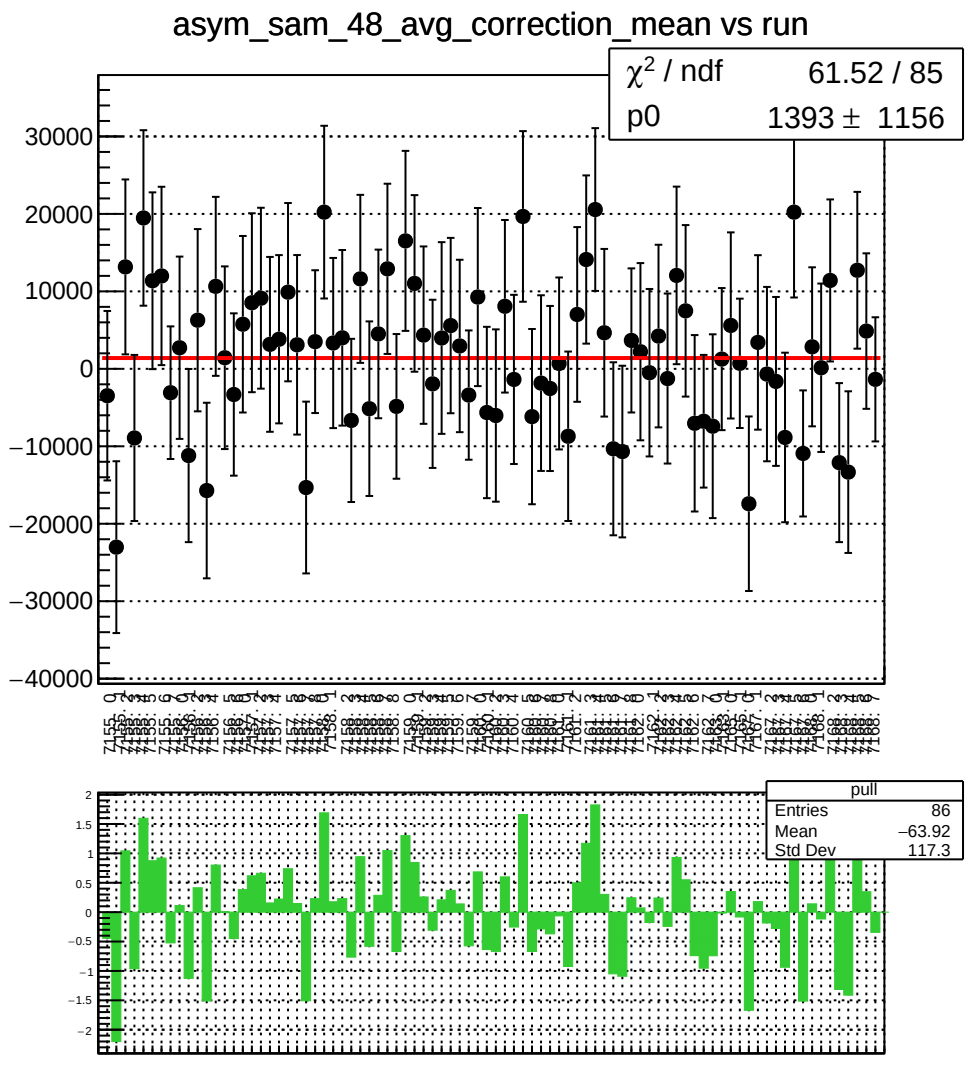

pull1D
Entries 86
Mean −0.01618
Std Dev 0.8332
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

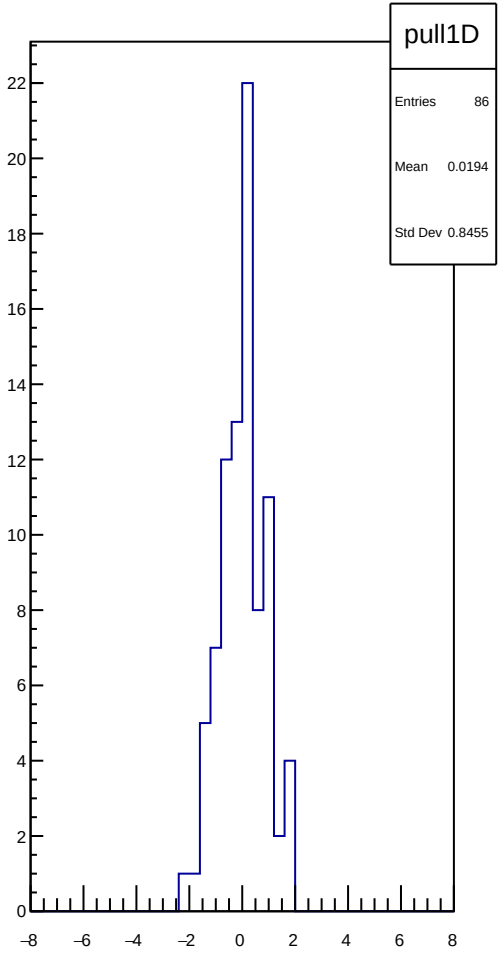

asym_sam_37_avg_rms vs run
χ² / ndf 6000 / 85
p0 466.4 ± 0.3614
580
560
540
520
500
480
460
440
420
400

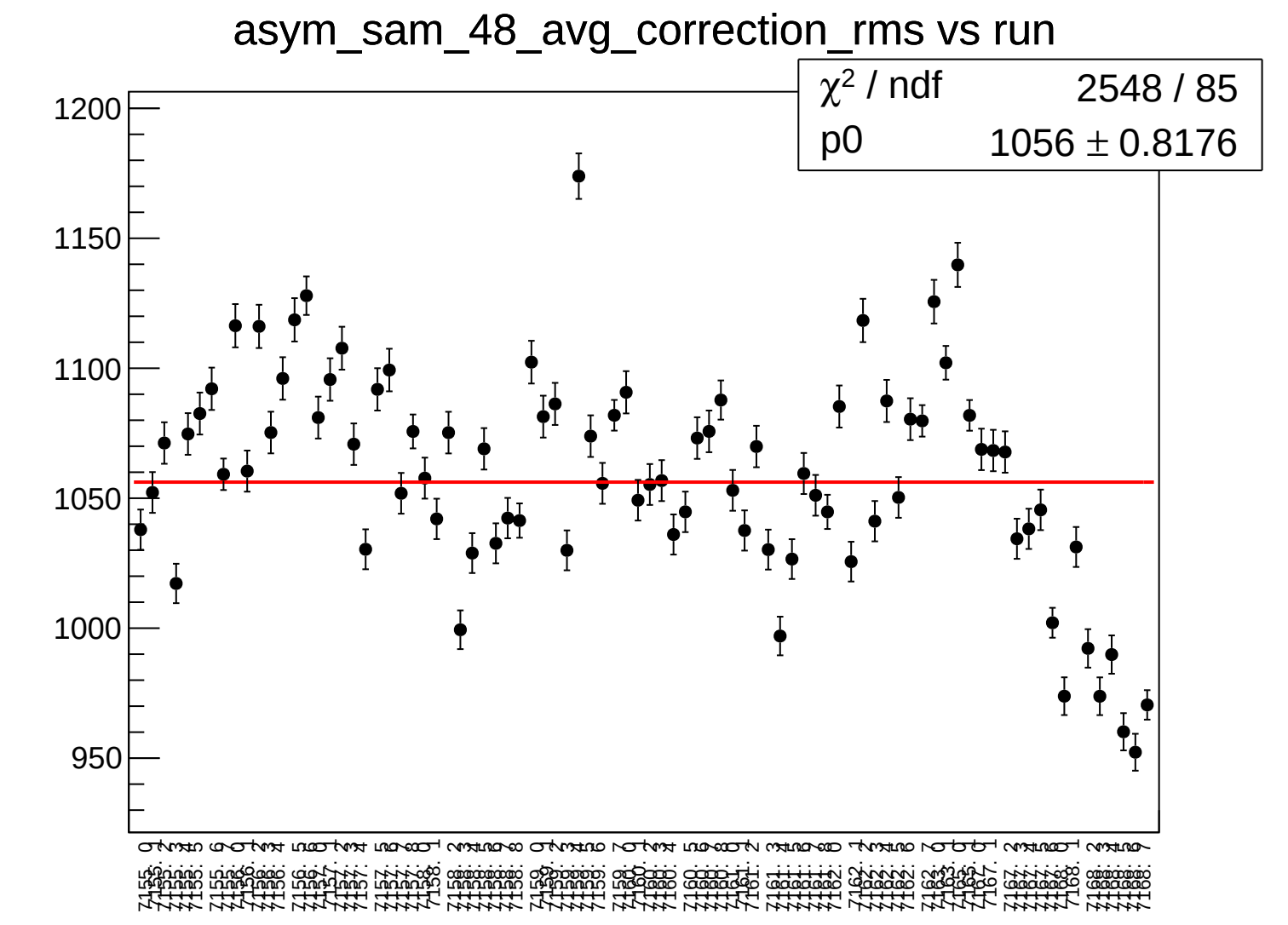

dit_asym_sam_48_avg_mean vs run
χ² / ndf 94.89 / 85
p0 −264.7 ± 163.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −73.77
Std Dev 91.34
3
2
1
0
−1
−2

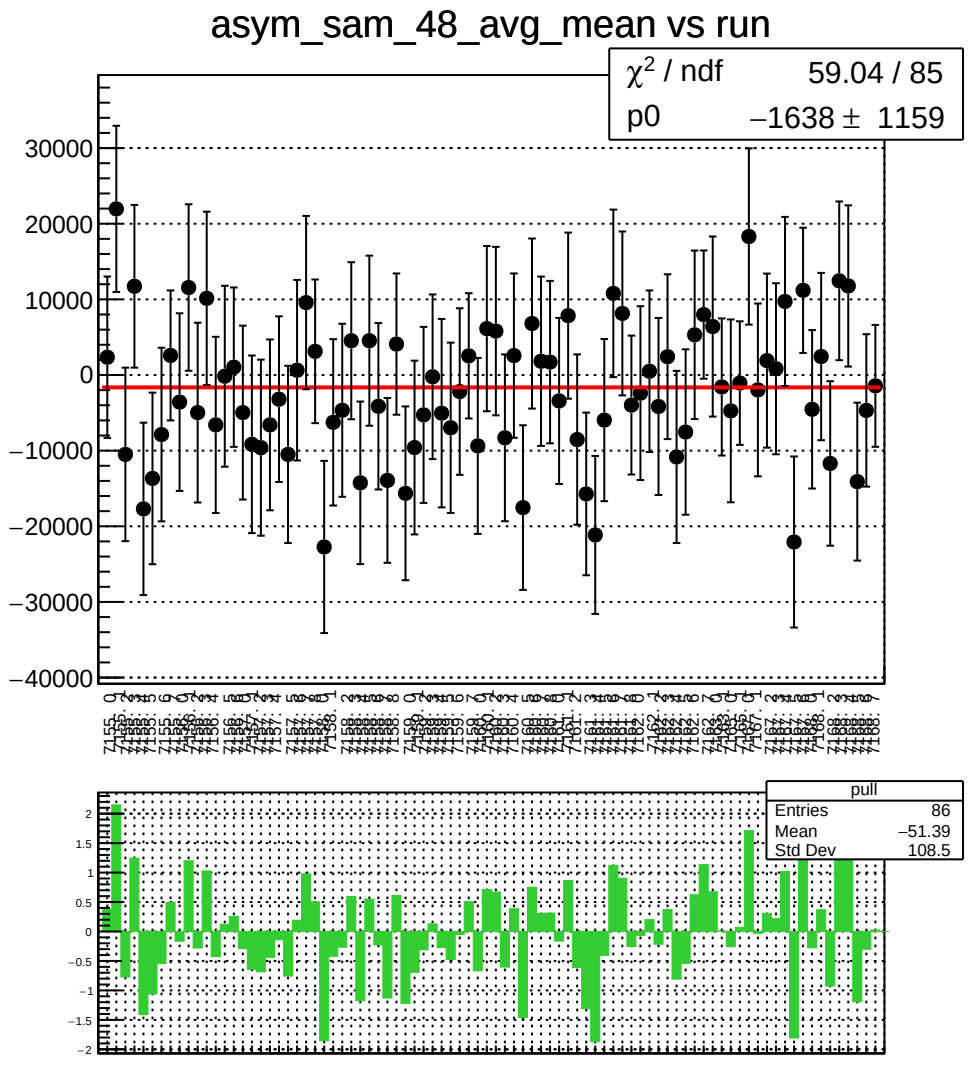

pull1D
Entries 86
Mean 0.01113
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

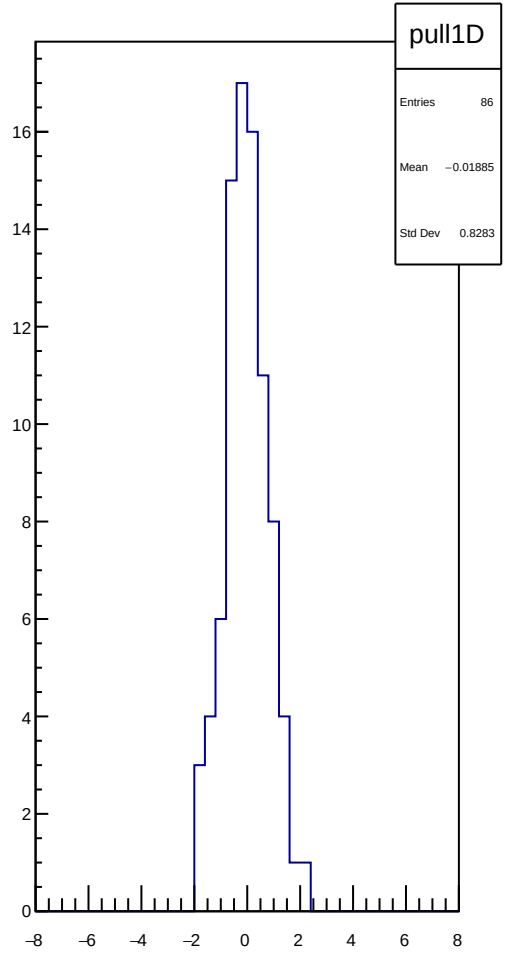

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 2.911e+04 / 85
p0 148.2 ± 0.1157
280
260
240
220
200
180
160
140
120

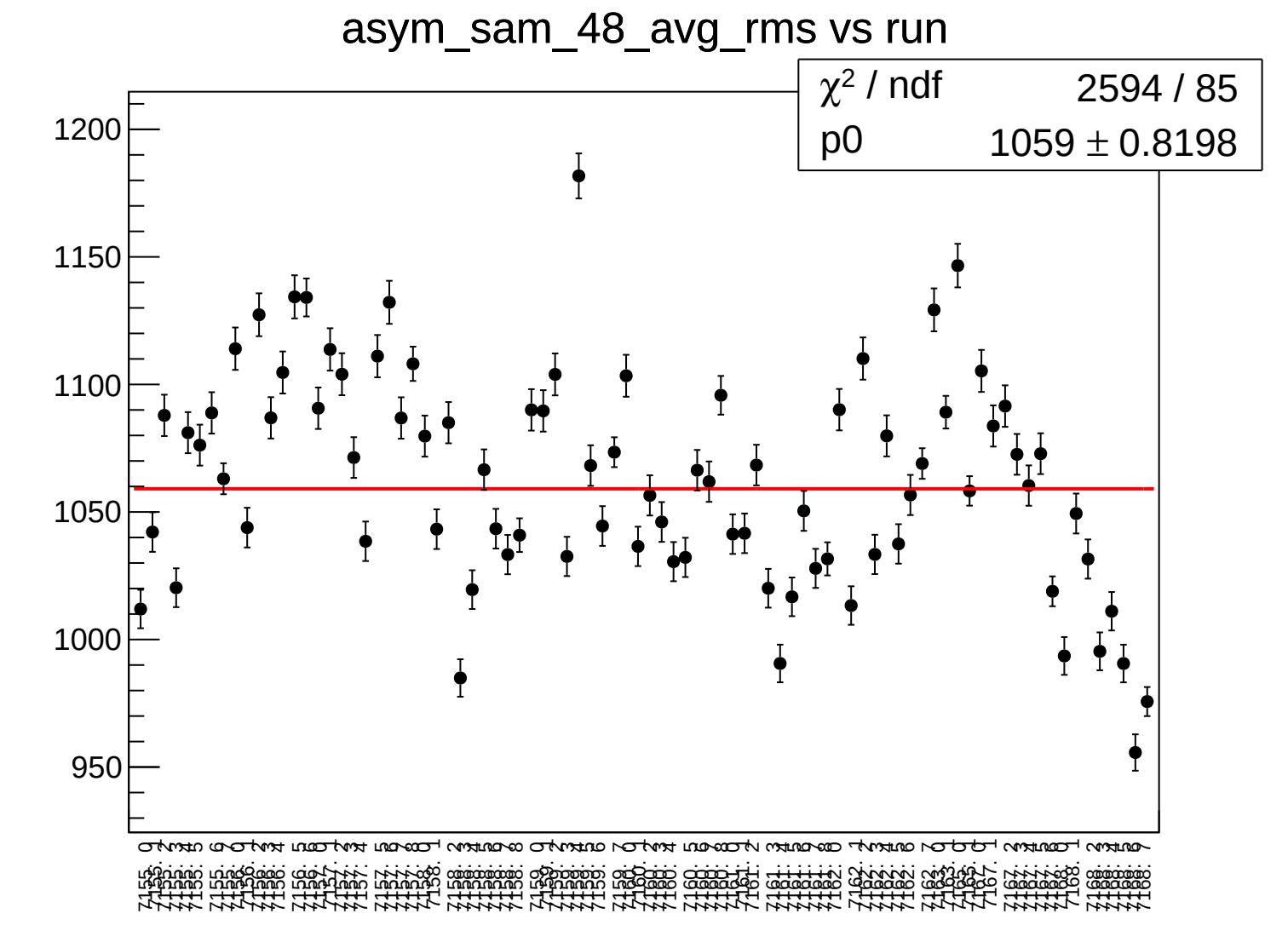

asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 61.52 / 85
p0 1393 ± 1156
pull
Entries 86
Mean −63.92
Std Dev 117.3

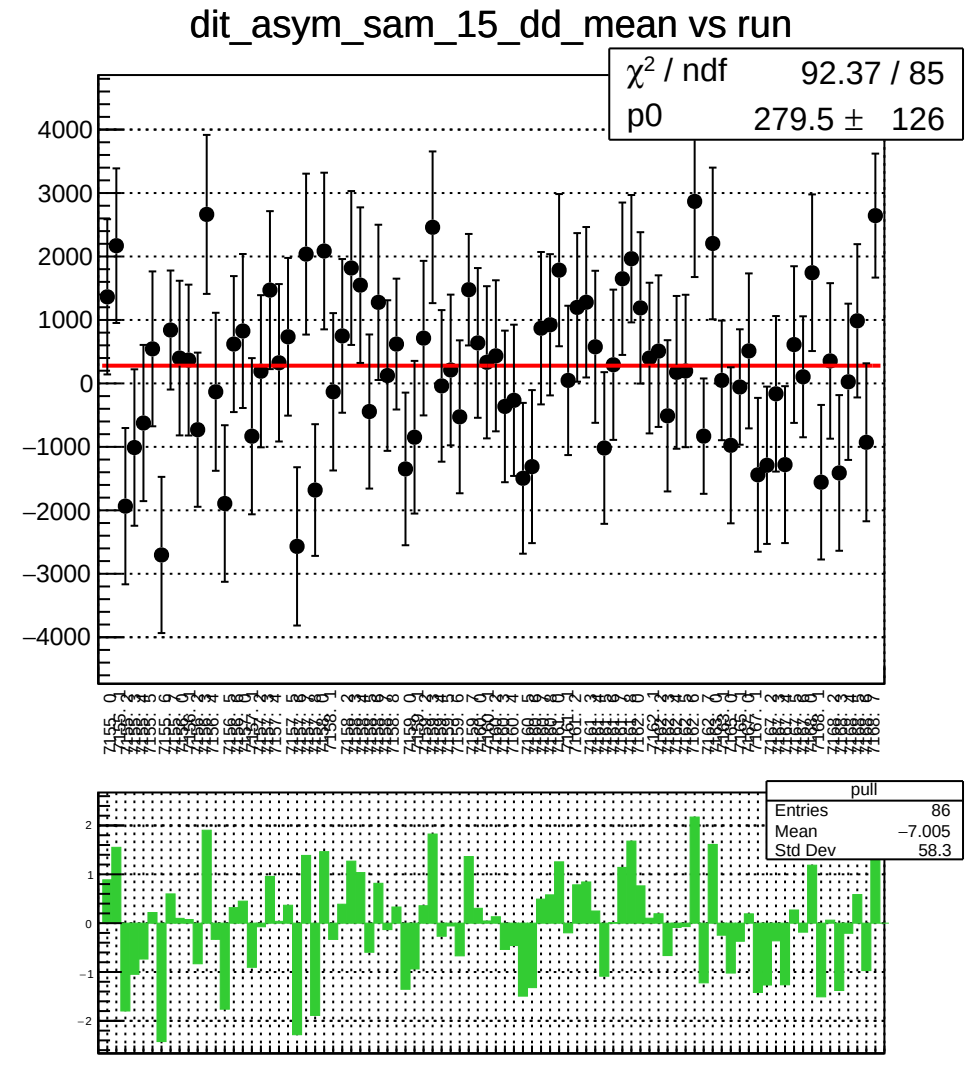

pull1D
Entries 86
Mean 0.0194
Std Dev 0.8455

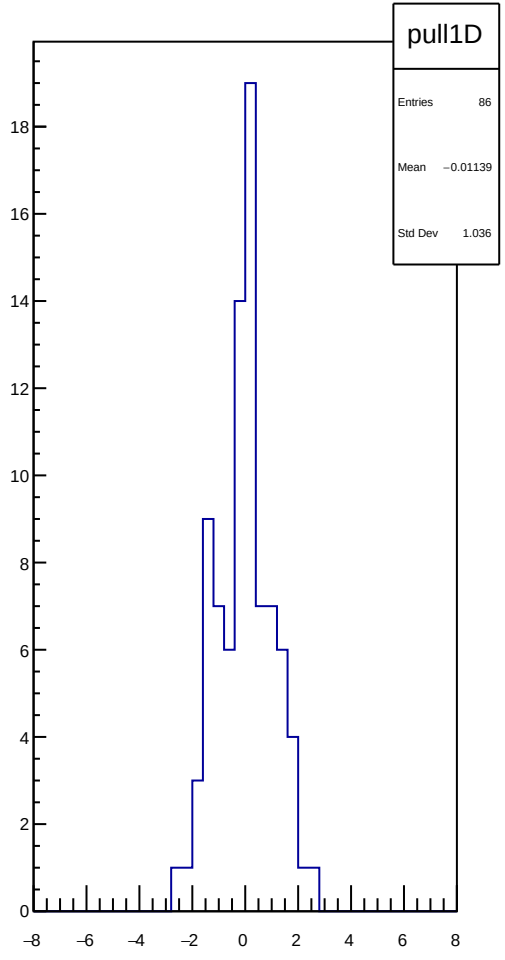

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2548 / 85
p0 1056 ± 0.8176
1200
1150
1100
1050
1000
950

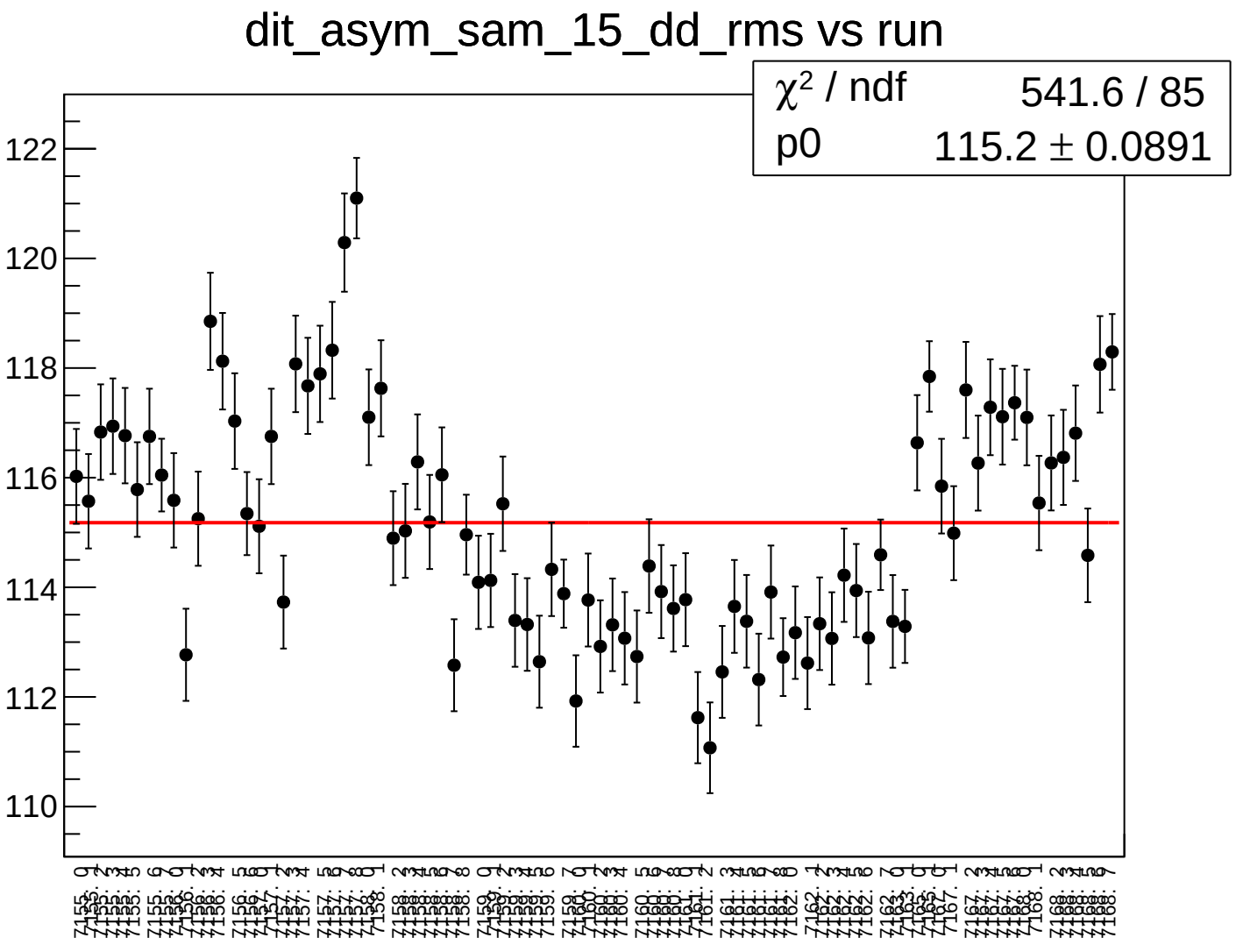

asym_sam_48_avg_mean vs run
χ² / ndf 59.04 / 85
p0 −1638 ± 1159
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −51.39
Std Dev 108.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

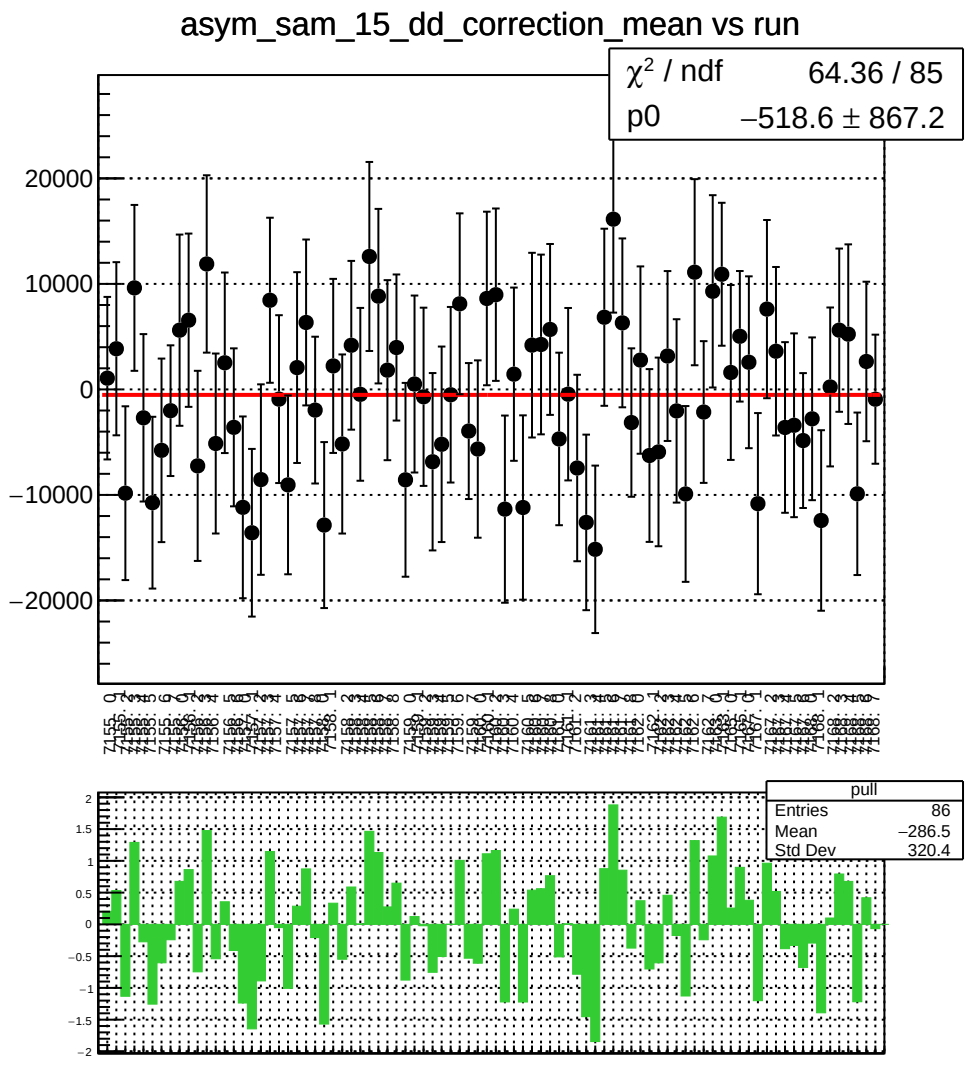

pull1D
Entries 86
Mean −0.01885
Std Dev 0.8283
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

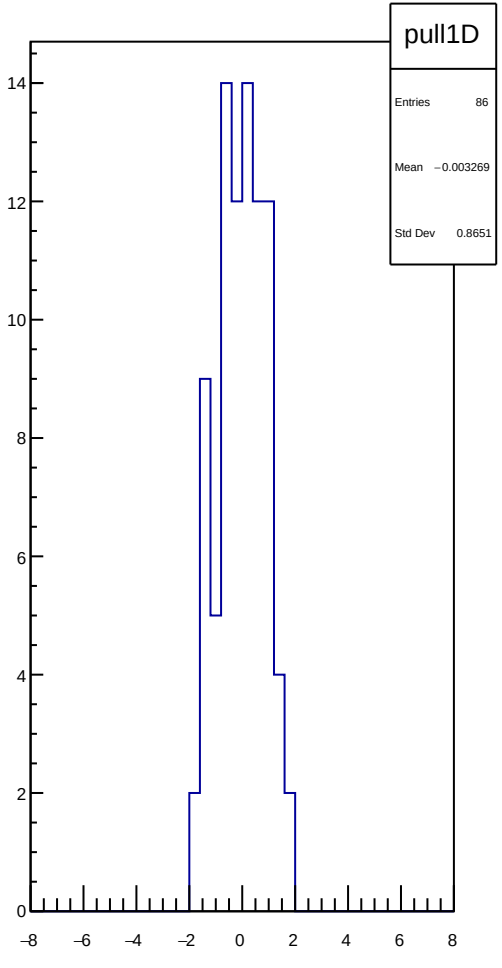

asym_sam_48_avg_rms vs run
χ² / ndf 2594 / 85
p0 1059 ± 0.8198
1200
1150
1100
1050
1000
950

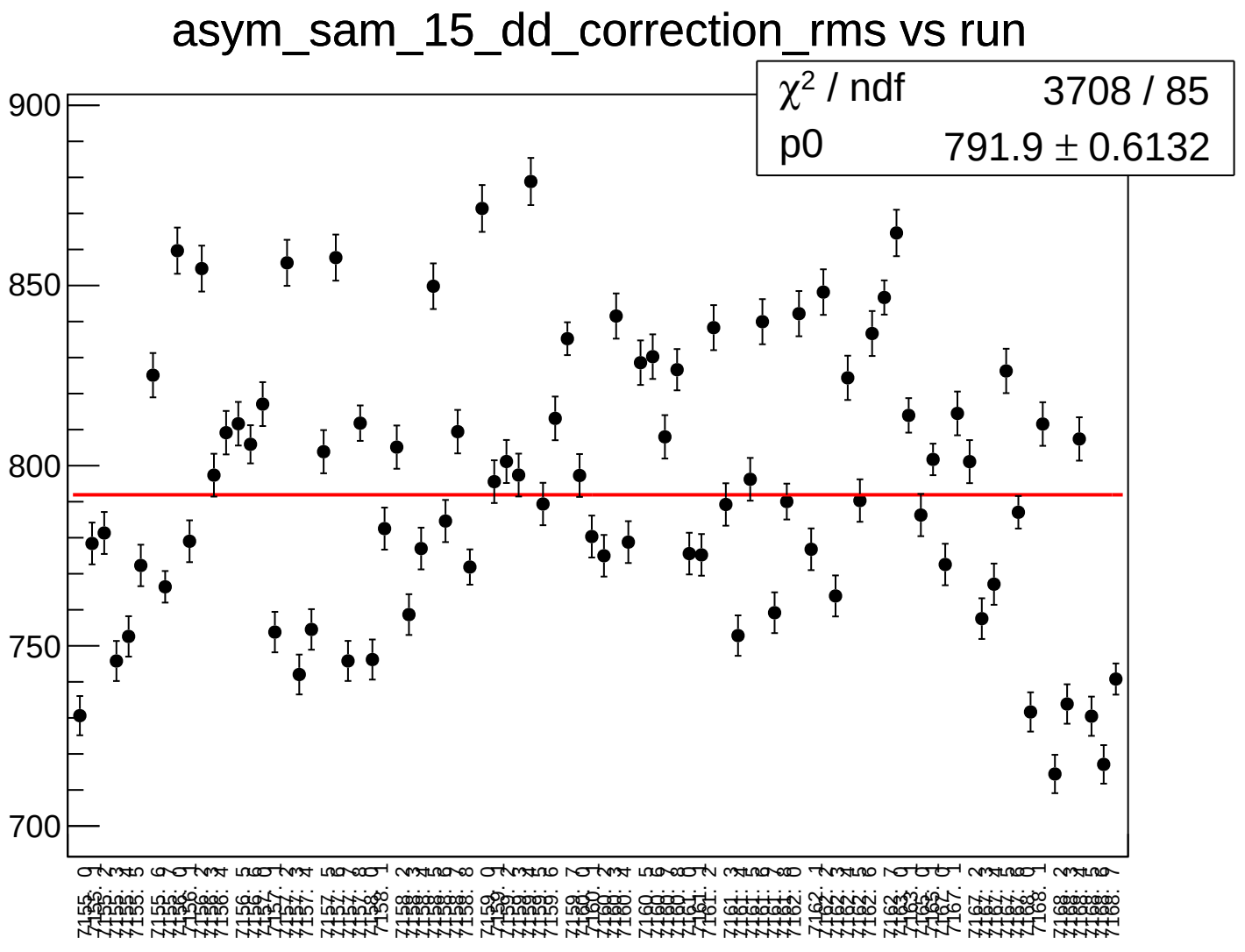

dit_asym_sam_15_dd_mean vs run
χ² / ndf 92.37 / 85
p0 279.5 ± 126
pull
Entries 86
Mean −7.005
Std Dev 58.3

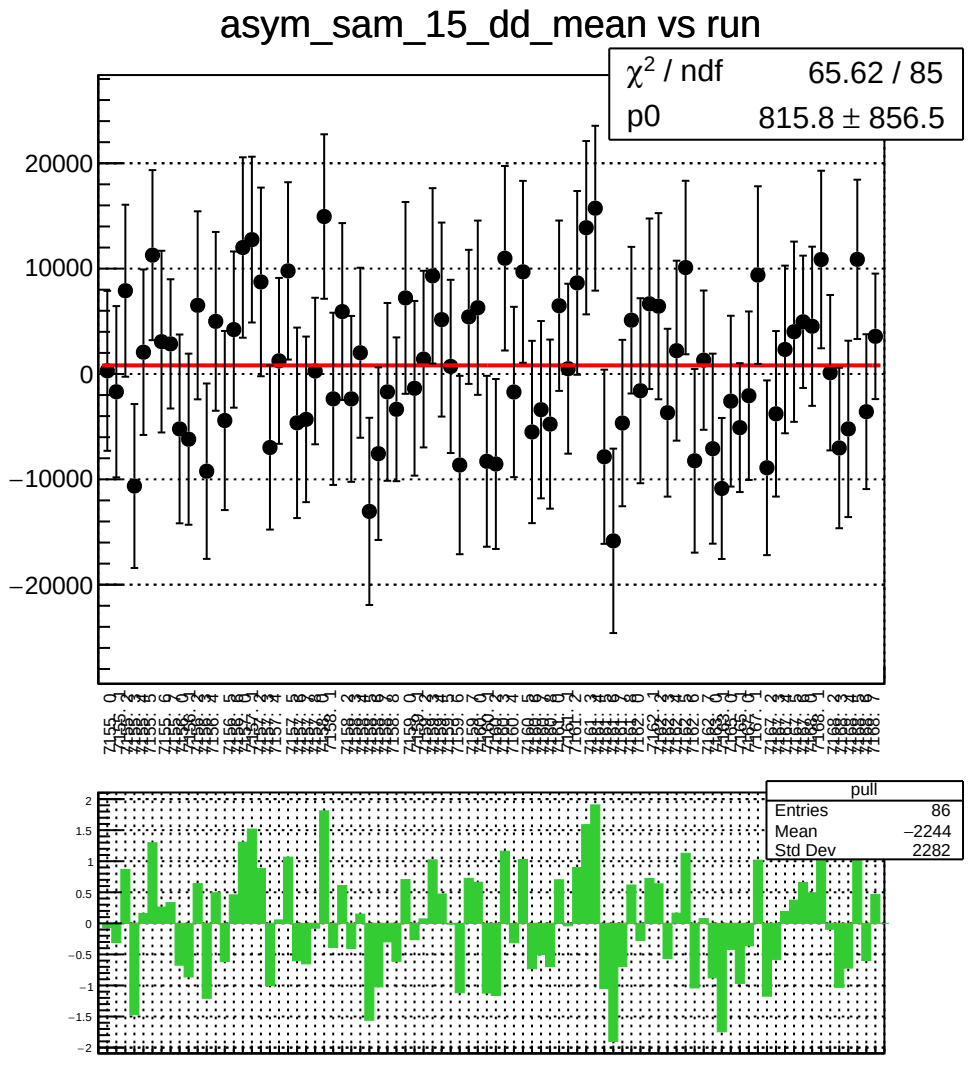

pull1D
Entries 86
Mean −0.01139
Std Dev 1.036

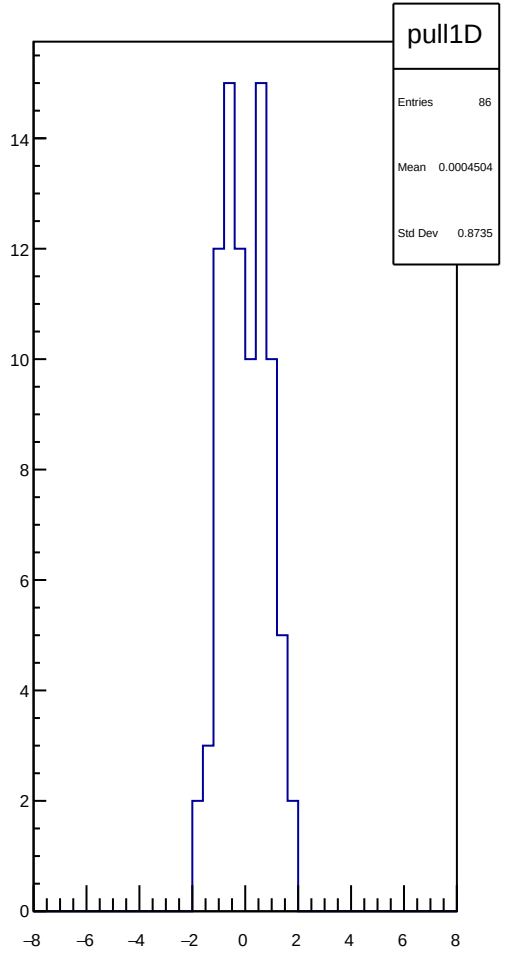

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 541.6 / 85
p0 115.2 ± 0.0891
122
120
118
116
114
112
110

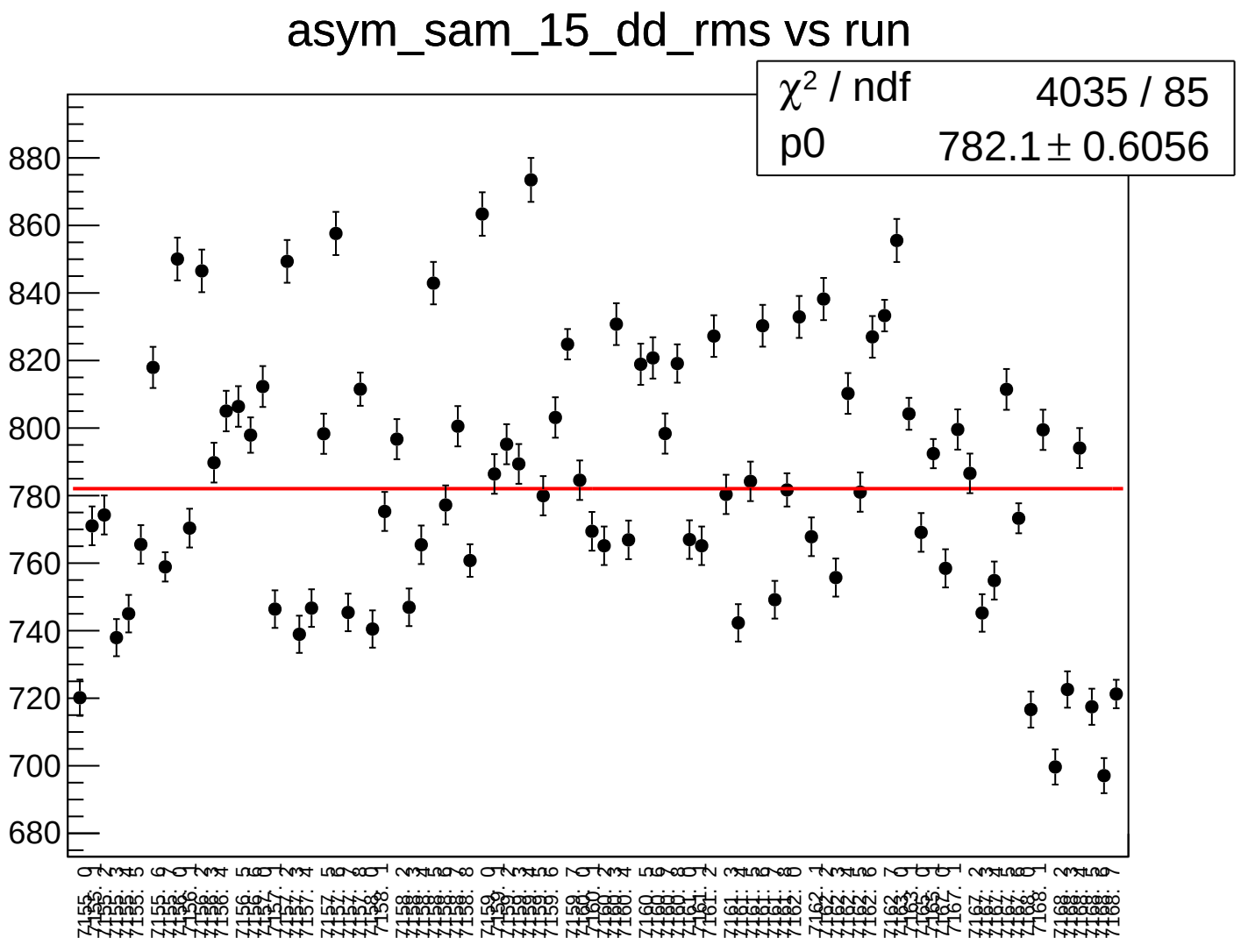

asym_sam_15_dd_correction_mean vs run
χ² / ndf 64.36 / 85
p0 −518.6 ± 867.2
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −286.5
Std Dev 320.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

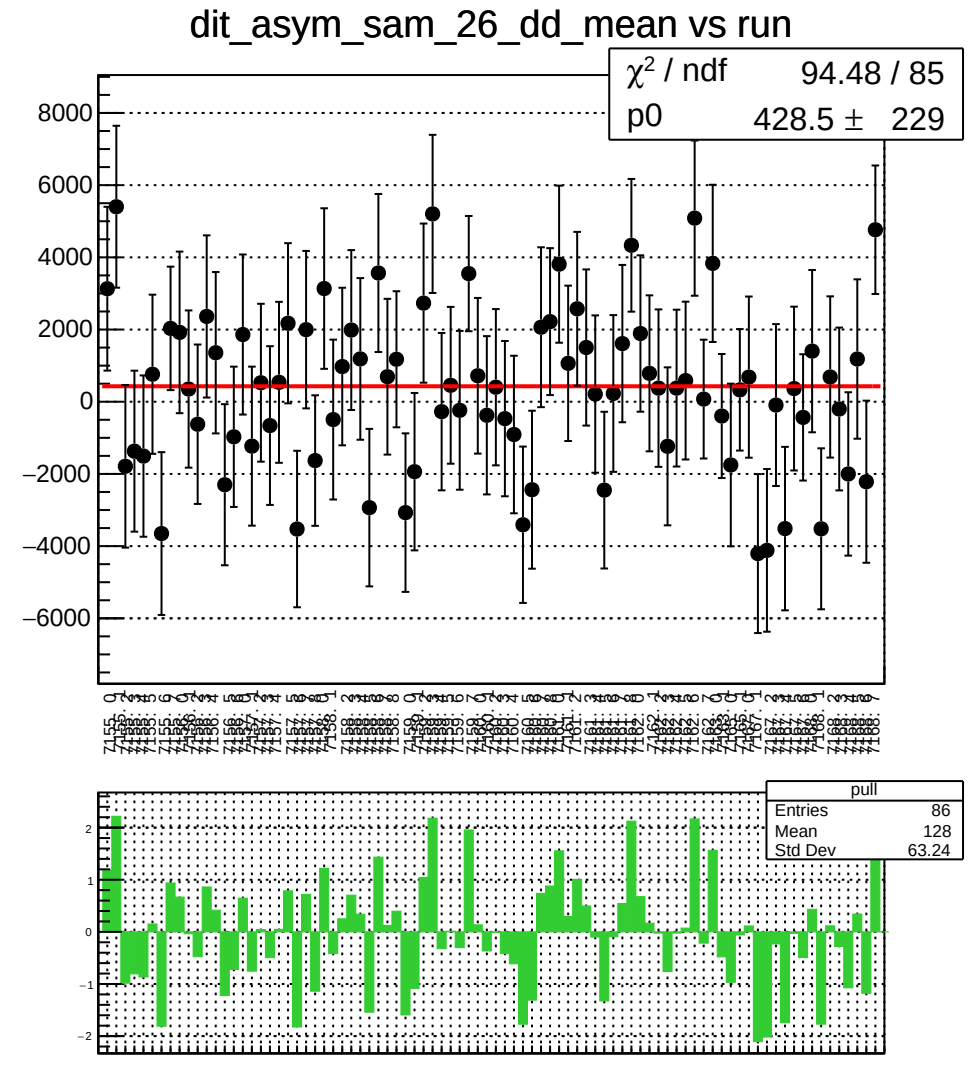

pull1D
Entries 86
Mean −0.003269
Std Dev 0.8651
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

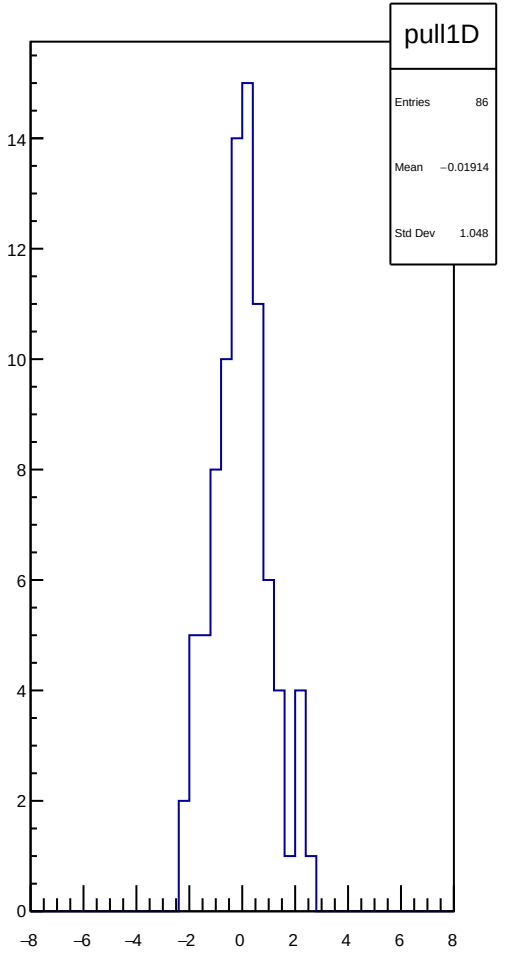

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3708 / 85
p0 791.9 ± 0.6132
900
850
800
750
700

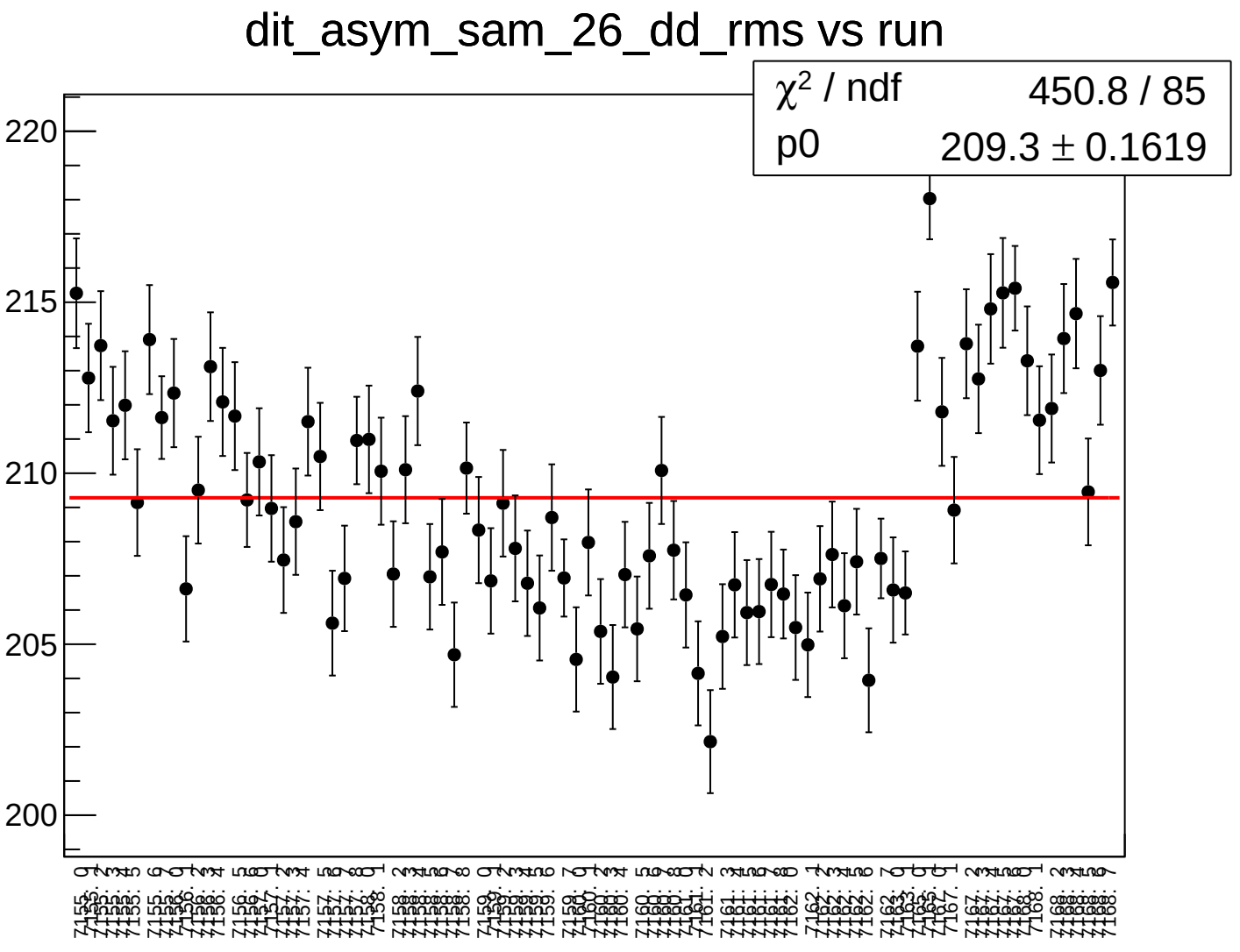

asym_sam_15_dd_mean vs run
χ² / ndf 65.62 / 85
p0 815.8 ± 856.5
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −2244
Std Dev 2282
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

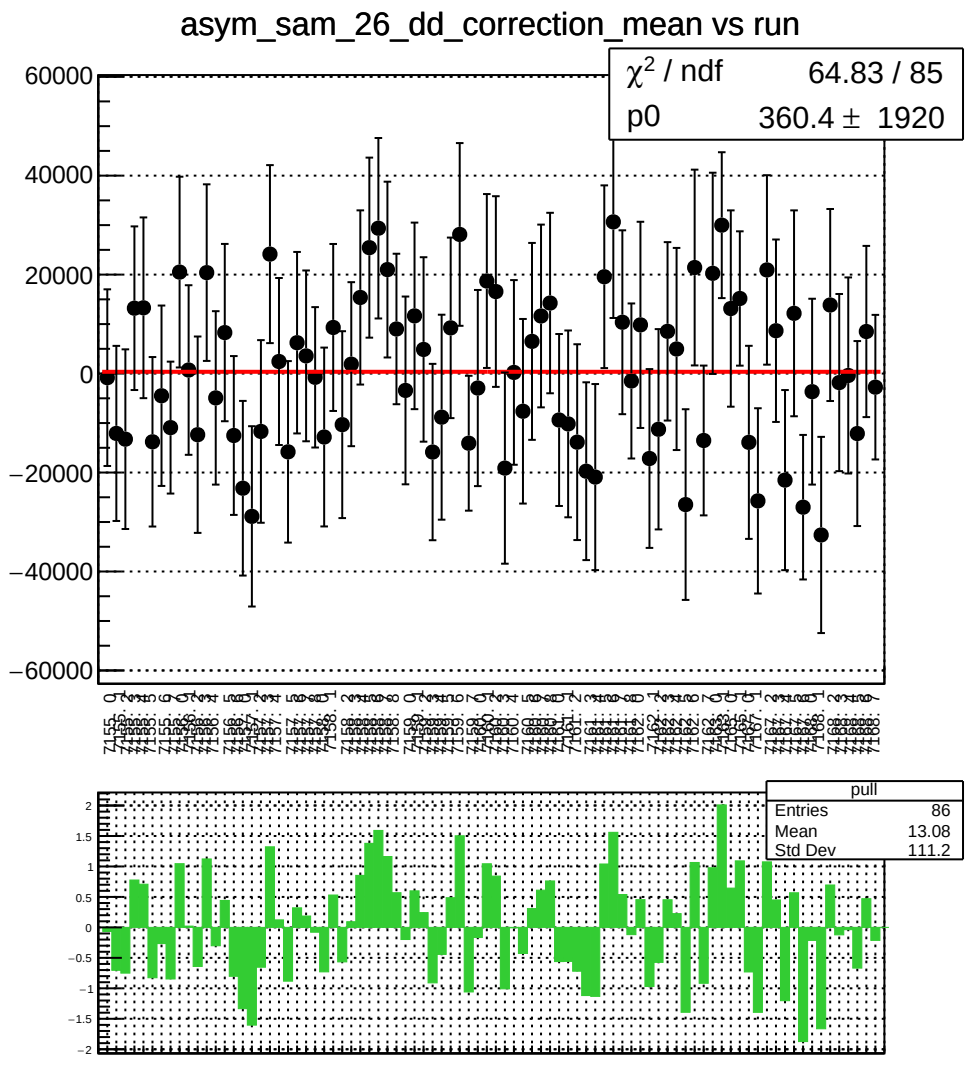

pull1D
Entries 86
Mean 0.0004504
Std Dev 0.8735
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

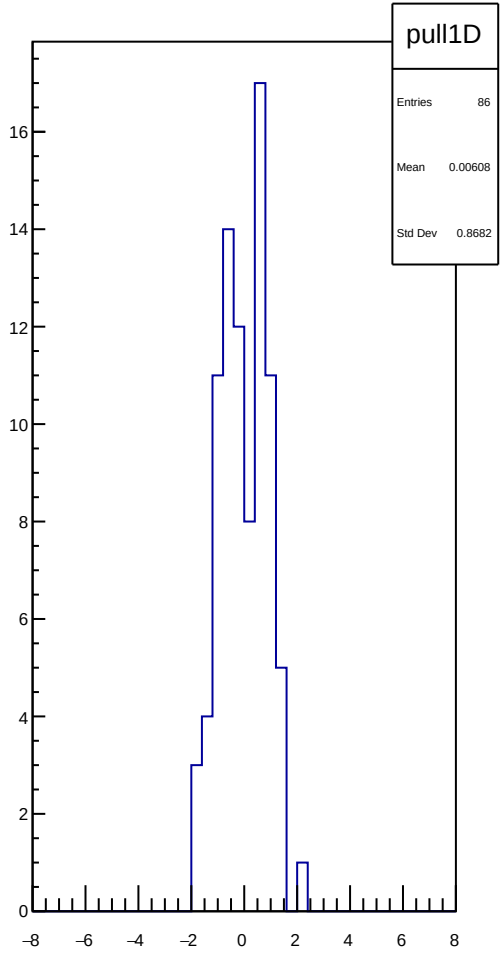

asym_sam_15_dd_rms vs run
χ² / ndf 4035 / 85
p0 782.1 ± 0.6056
880
860
840
820
800
780
760
740
720
700
680

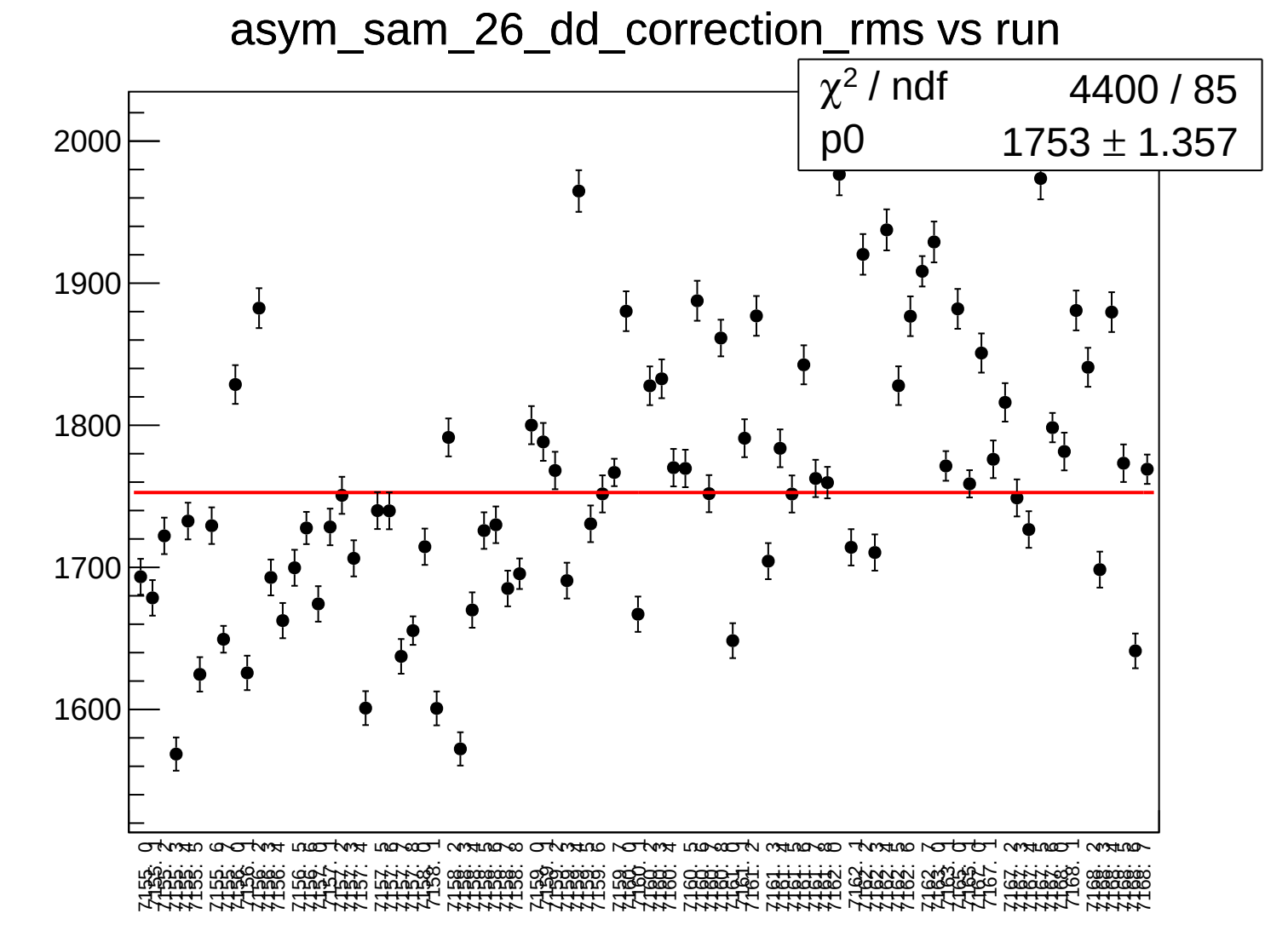

dit_asym_sam_26_dd_mean vs run
χ² / ndf 94.48 / 85
p0 428.5 ± 229
pull
Entries 86
Mean 128
Std Dev 63.24

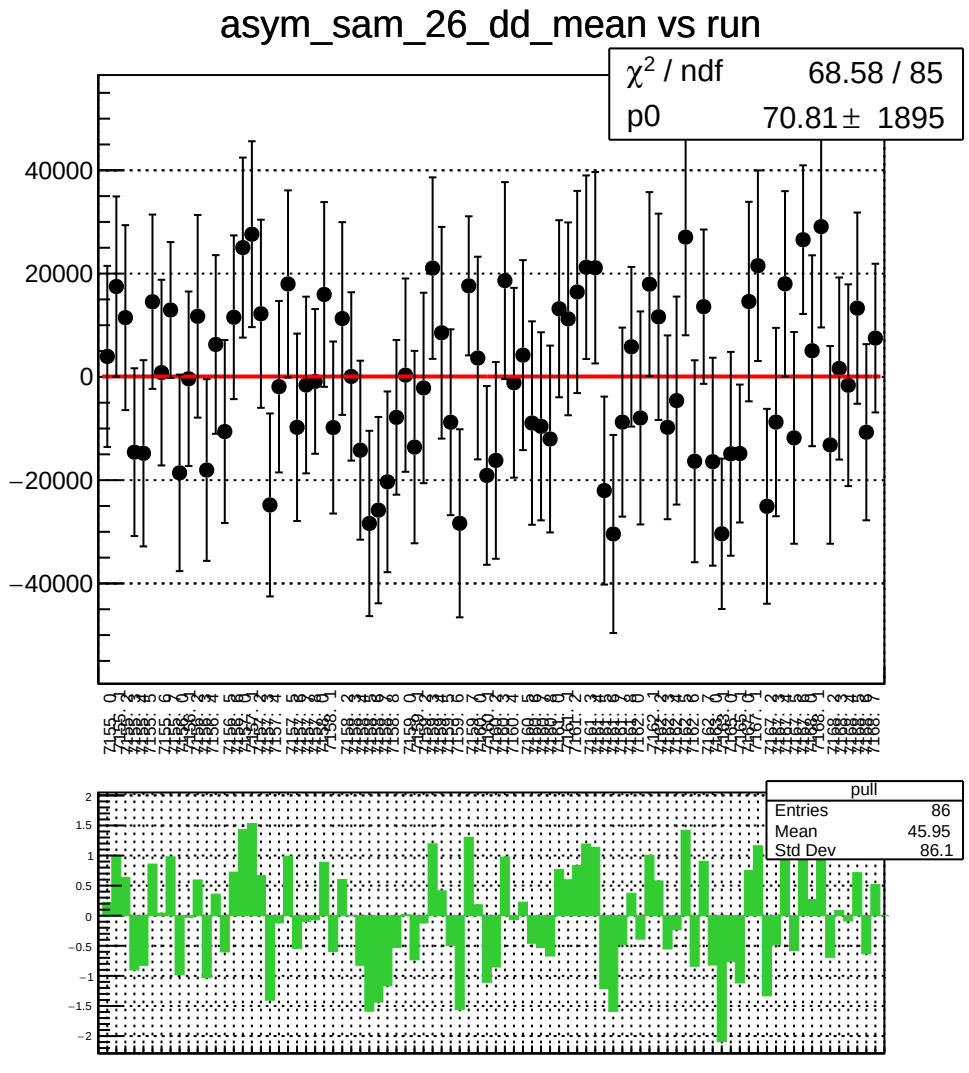

pull1D
Entries 86
Mean −0.01914
Std Dev 1.048

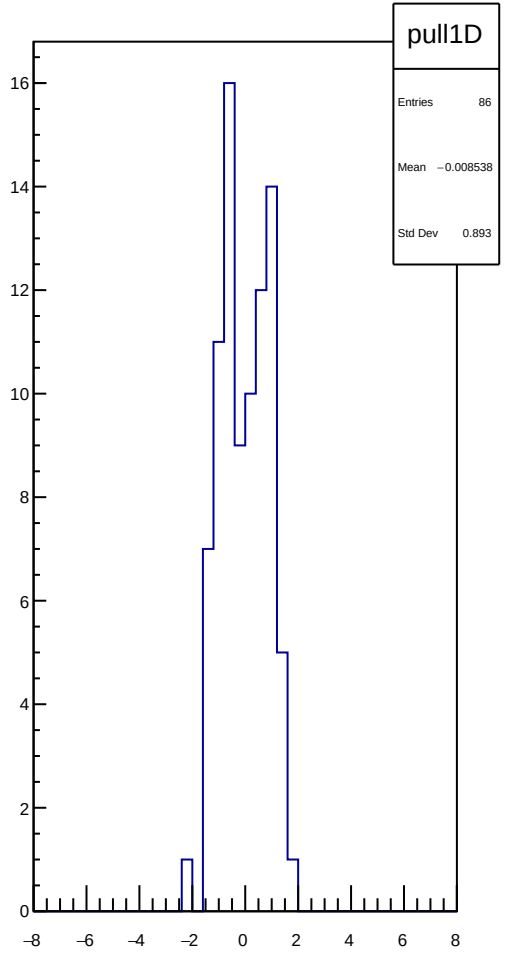

dit_asym_sam_26_dd_rms vs run
χ² / ndf 450.8 / 85
p0 209.3 ± 0.1619
220
215
210
205
200

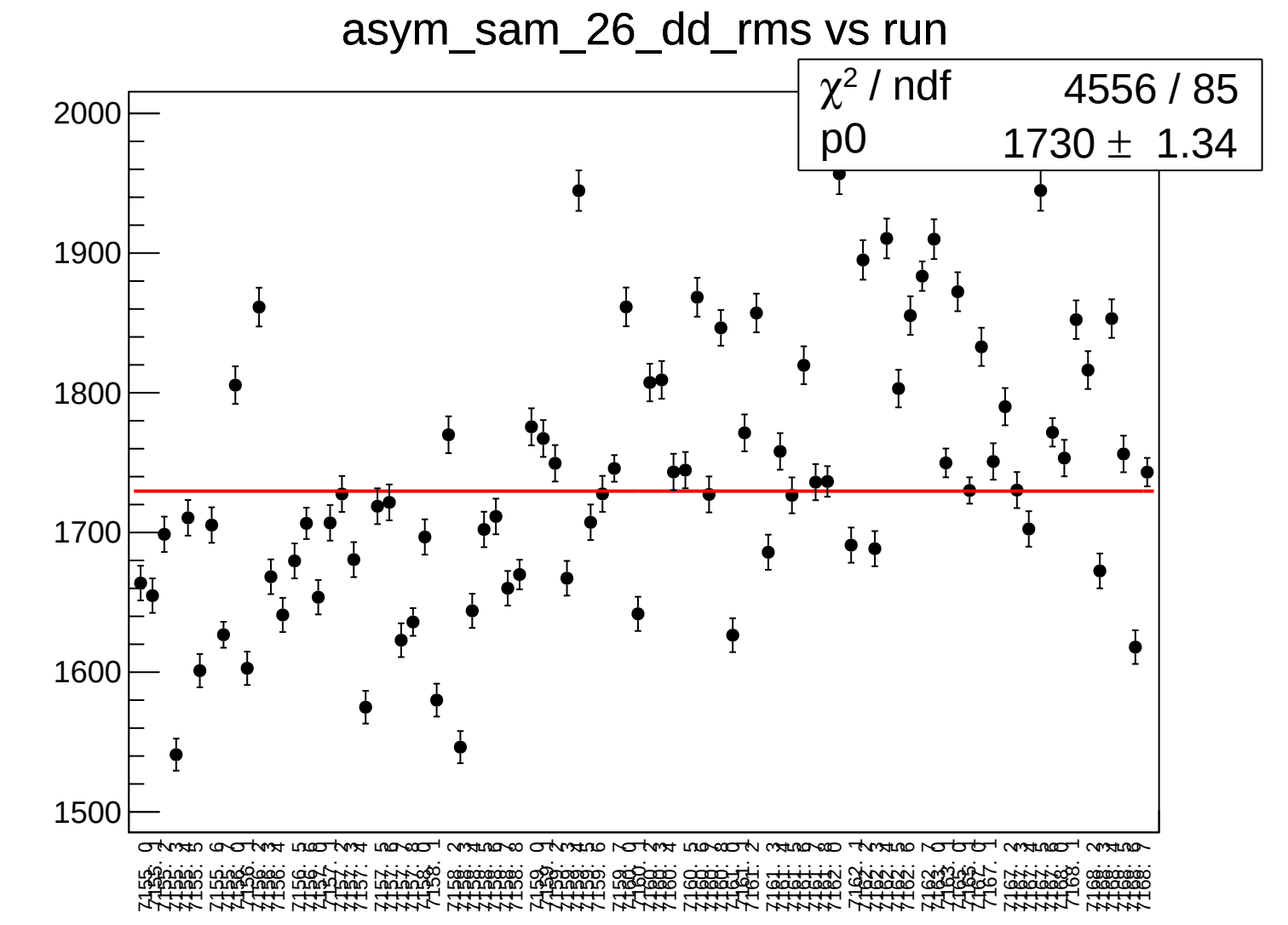

asym_sam_26_dd_correction_mean vs run
χ² / ndf 64.83 / 85
p0 360.4 ± 1920
pull
Entries 86
Mean 13.08
Std Dev 111.2

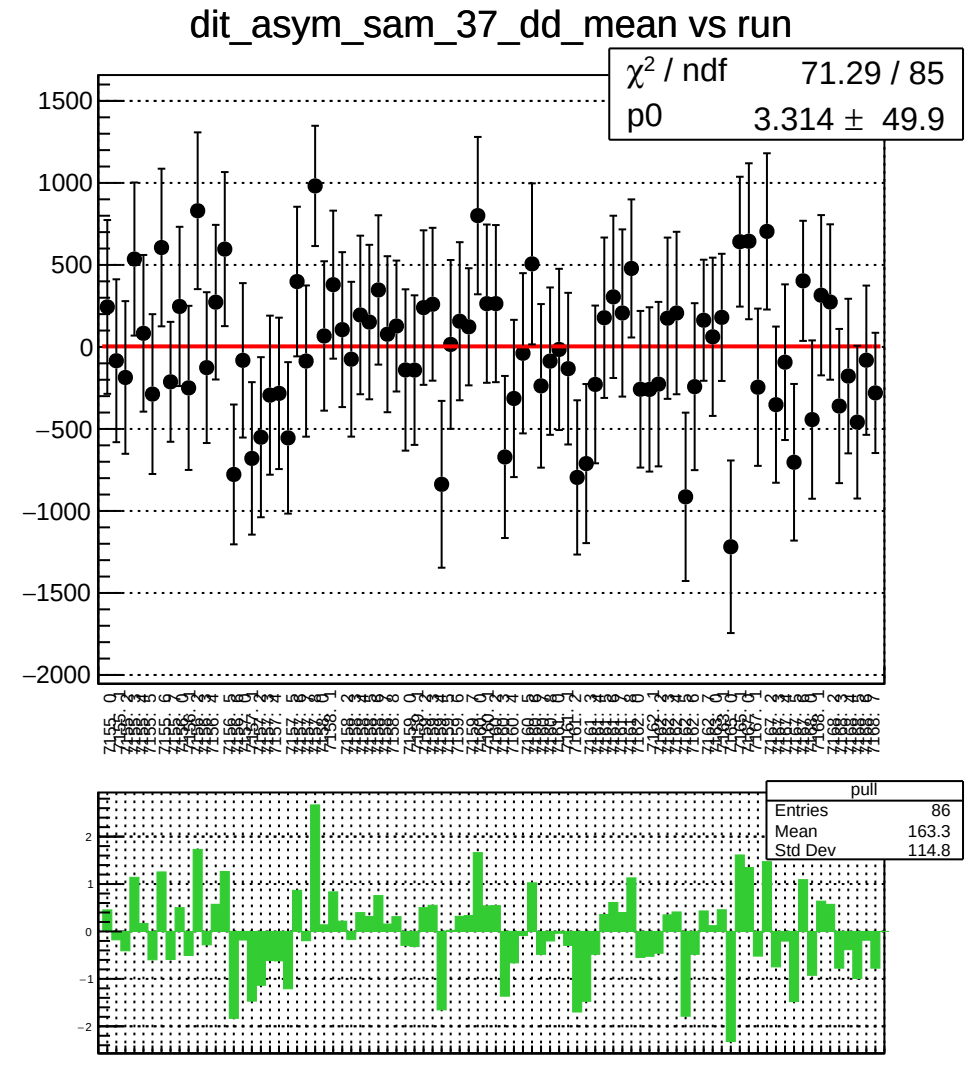

pull1D
Entries 86
Mean 0.00608
Std Dev 0.8682

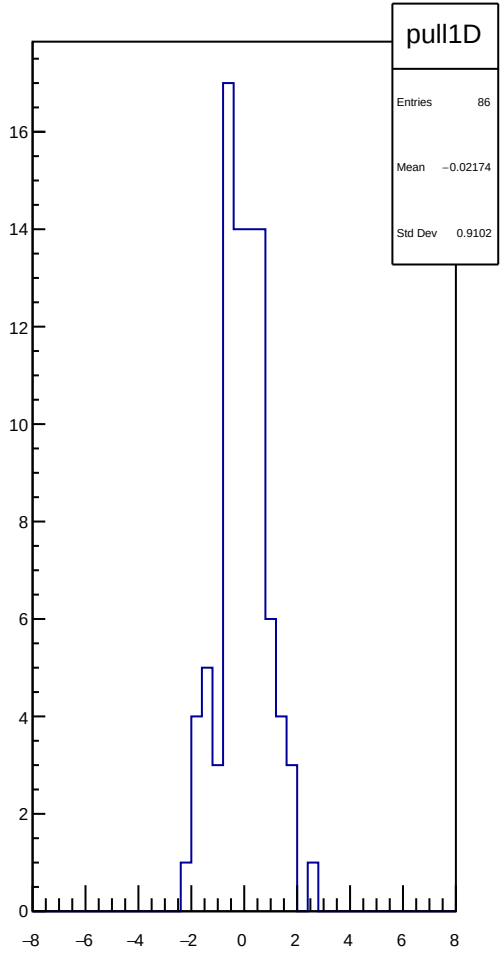

asym_sam_26_dd_correction_rms vs run
χ² / ndf 4400 / 85
p0 1753 ± 1.357
2000
1900
1800
1700
1600

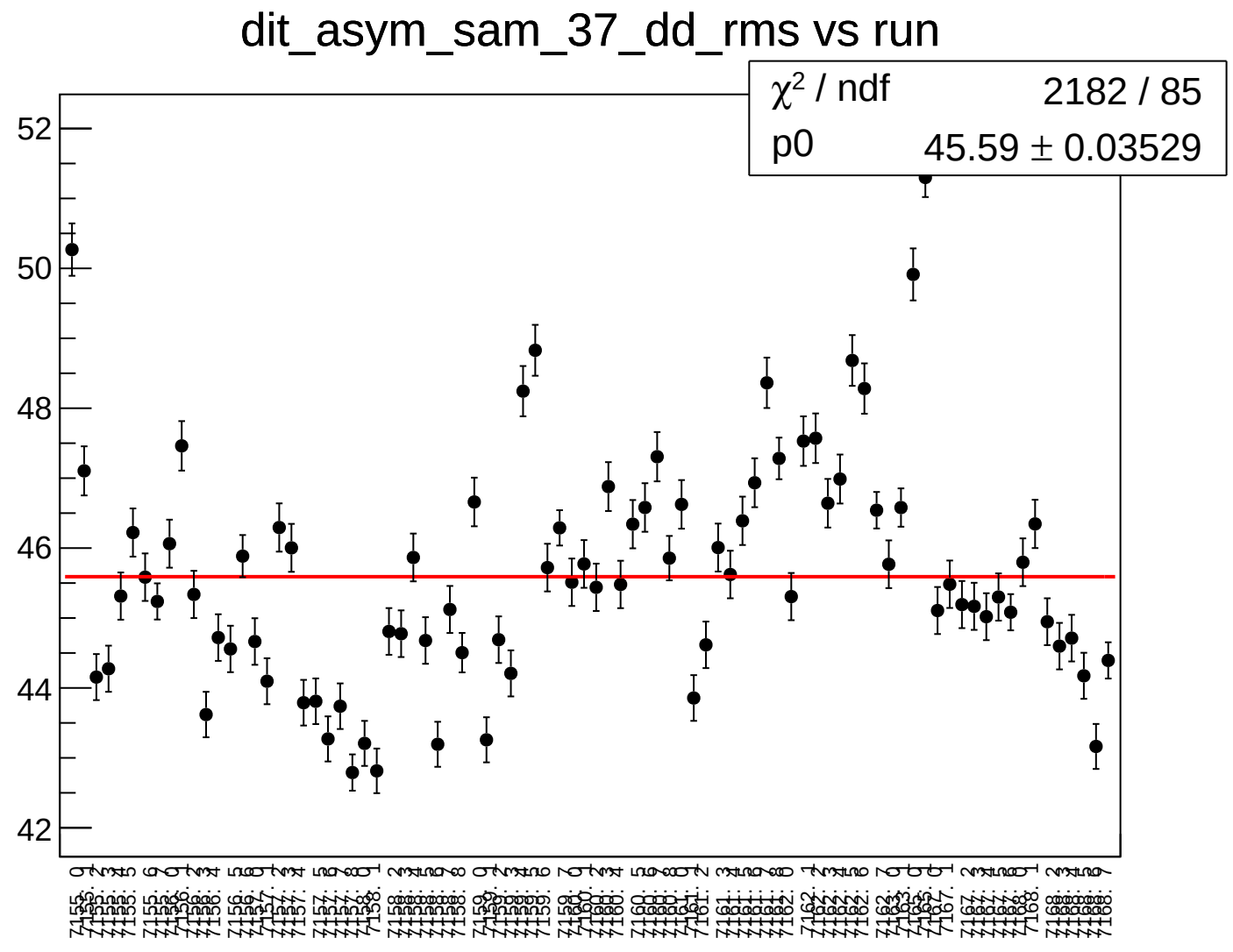

asym_sam_26_dd_mean vs run
χ² / ndf 68.58 / 85
p0 70.81 ± 1895
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 45.95
Std Dev 86.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

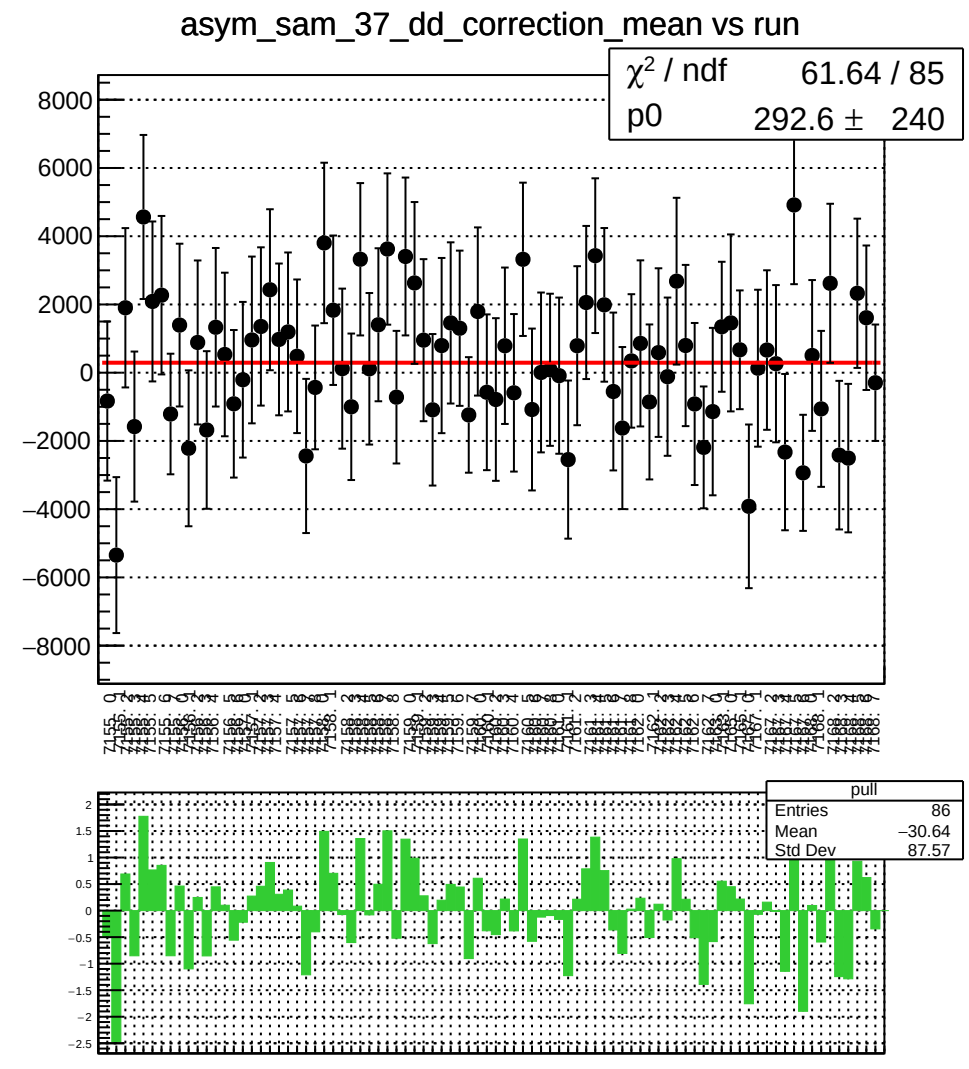

pull1D
Entries 86
Mean −0.008538
Std Dev 0.893
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

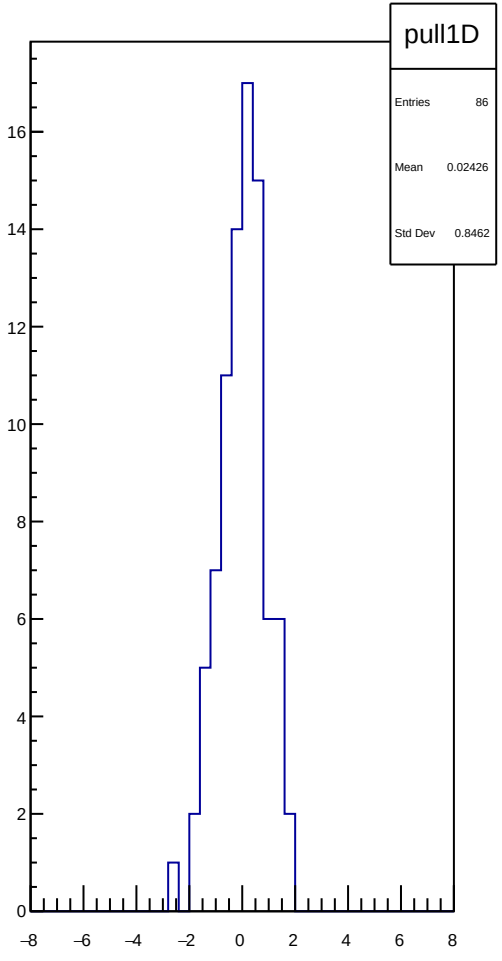

asym_sam_26_dd_rms vs run
χ² / ndf 4556 / 85
p0 1730 ± 1.34
2000
1900
1800
1700
1600
1500

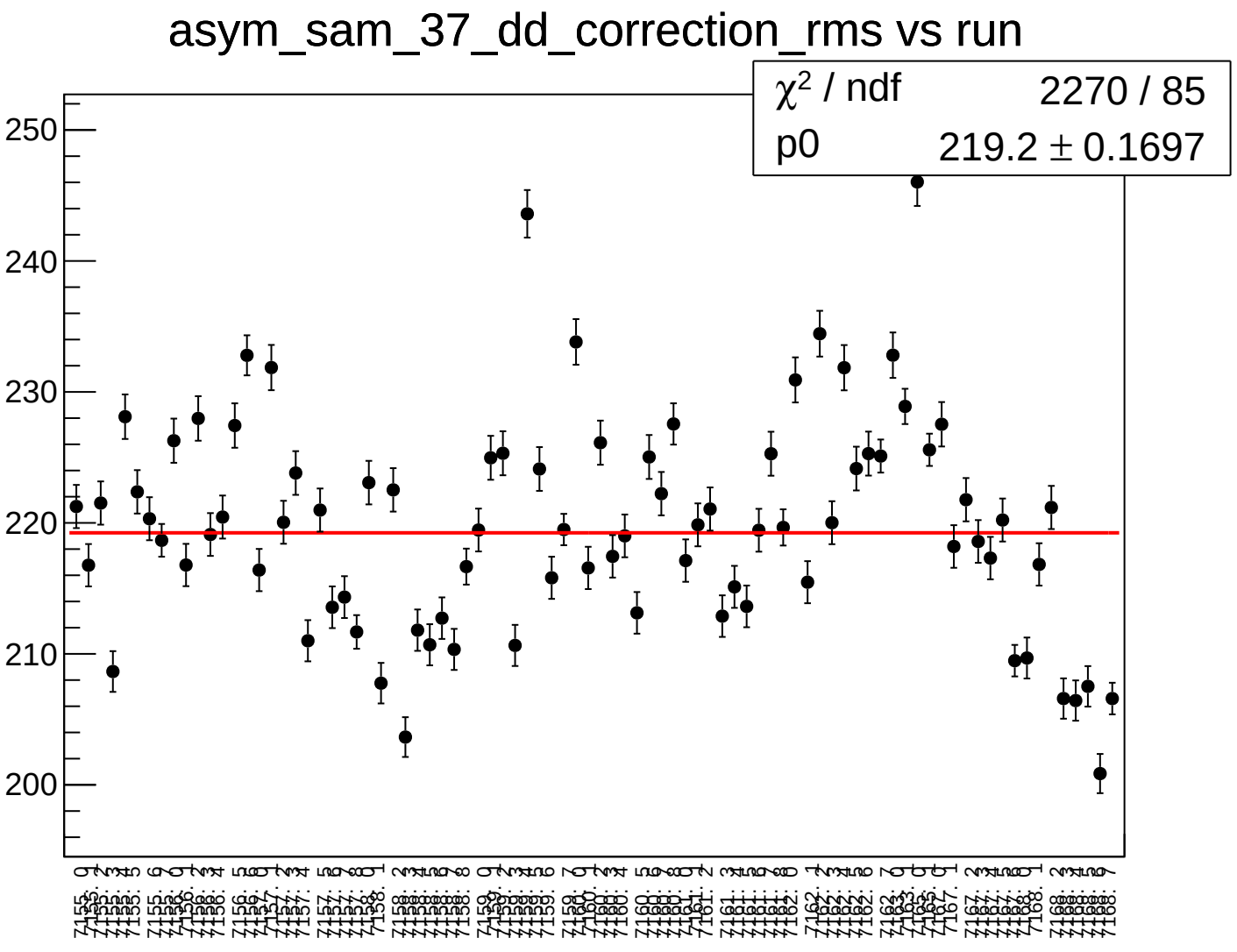

dit_asym_sam_37_dd_mean vs run
χ² / ndf 71.29 / 85
p0 3.314 ± 49.9
pull
Entries 86
Mean 163.3
Std Dev 114.8

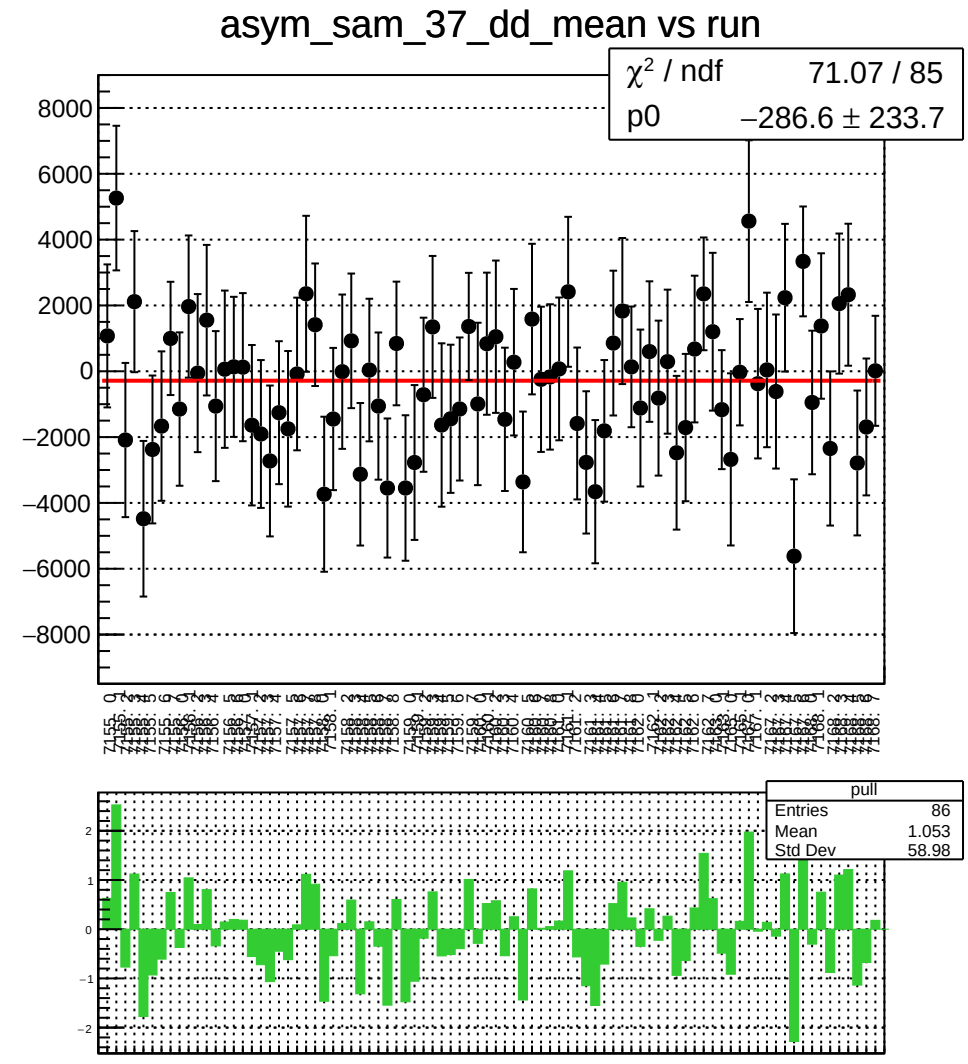

pull1D
Entries 86
Mean −0.02174
Std Dev 0.9102

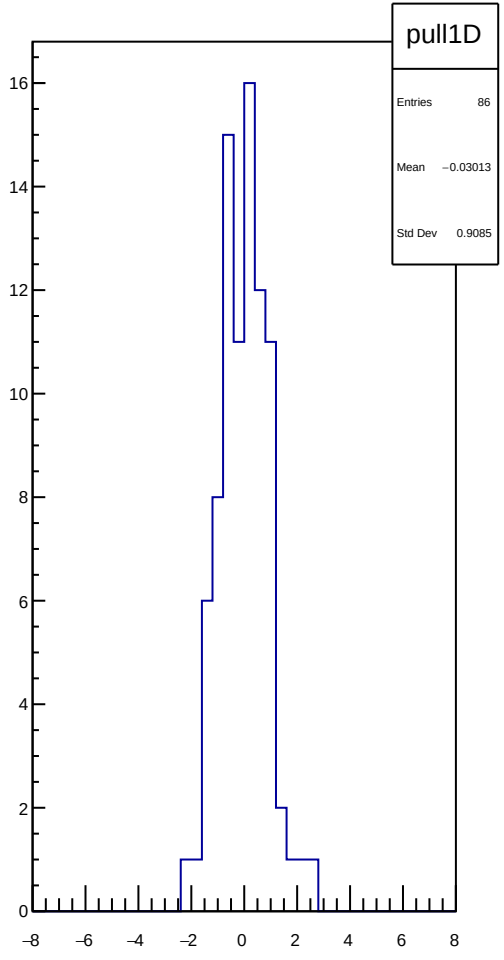

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2182 / 85
p0 45.59 ± 0.03529
52
50
48
46
44
42

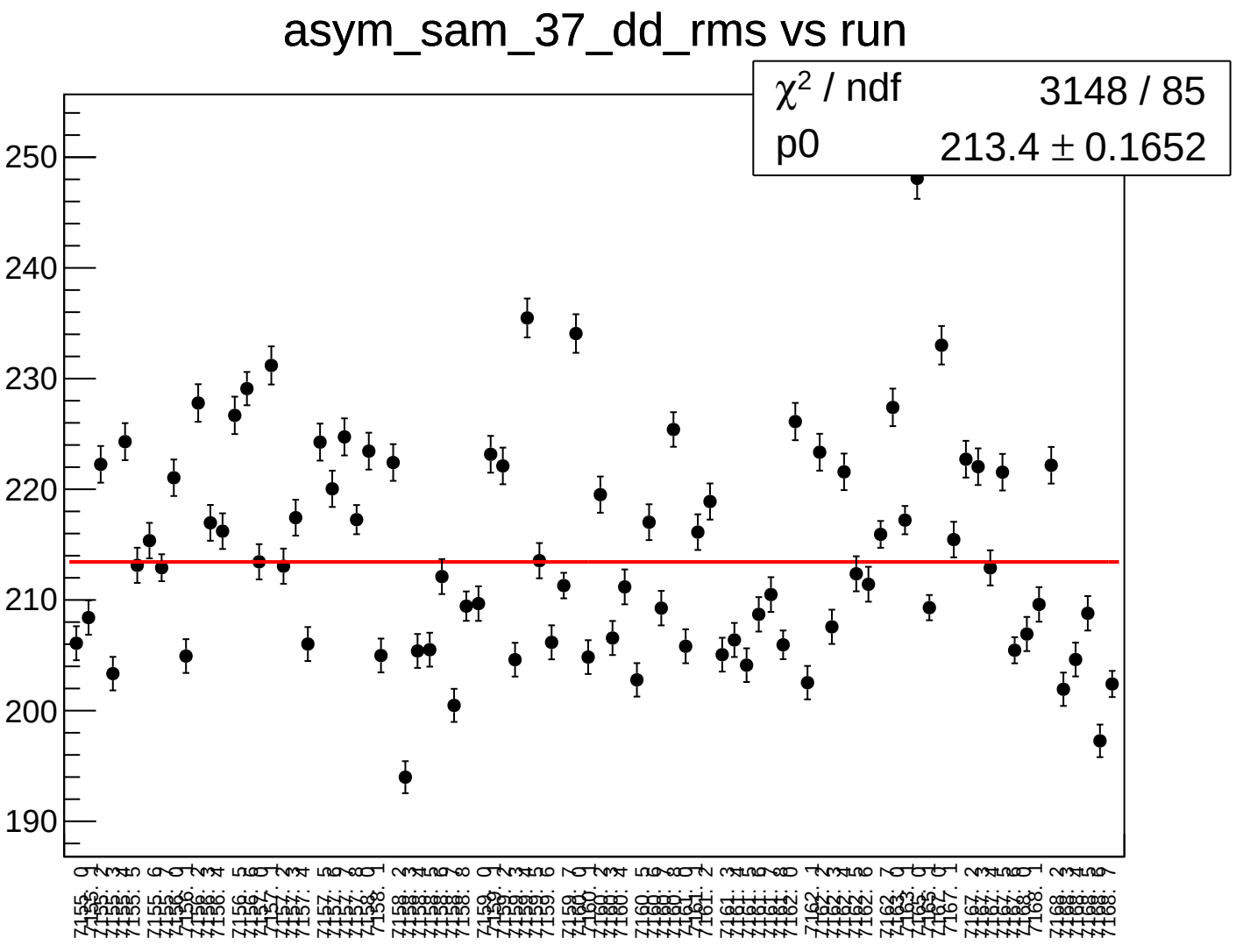

asym_sam_37_dd_correction_mean vs run
χ² / ndf 61.64 / 85
p0 292.6 ± 240
pull
Entries 86
Mean −30.64
Std Dev 87.57

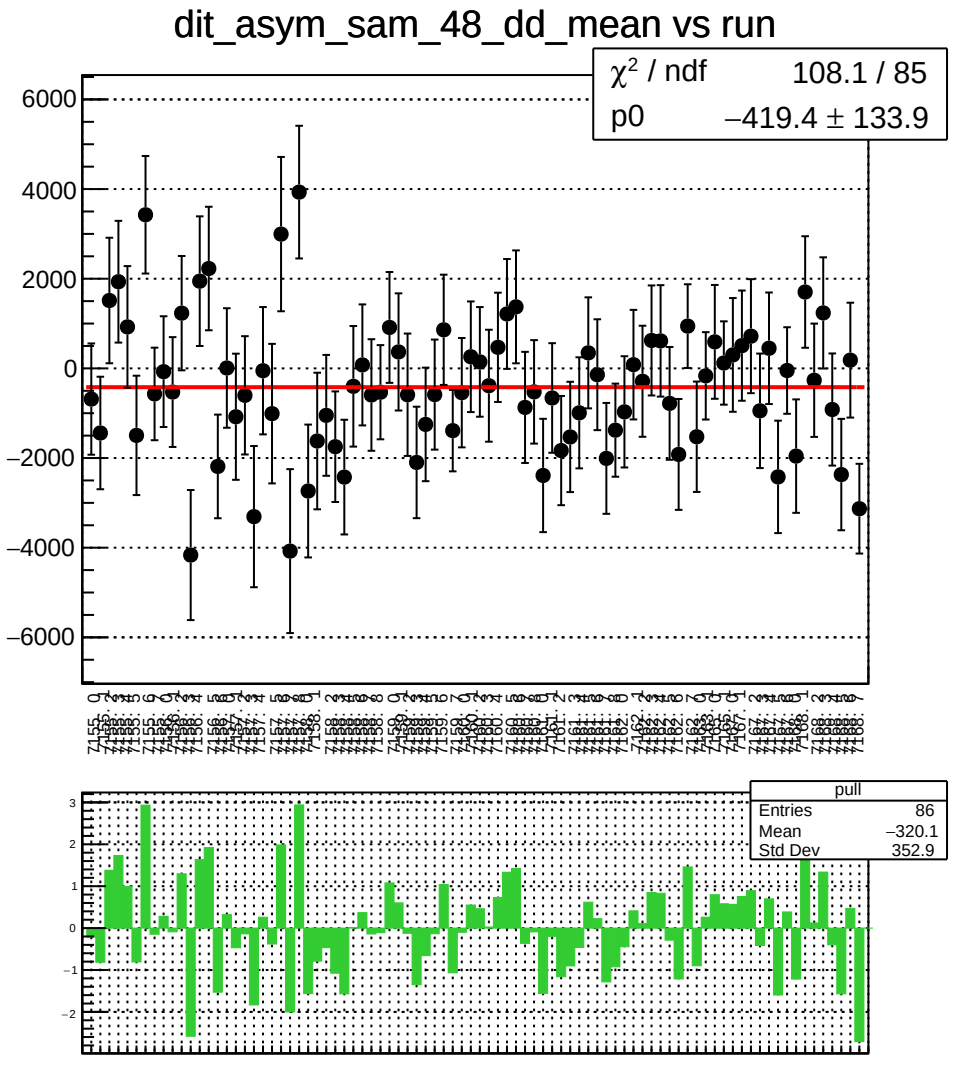

pull1D
Entries 86
Mean 0.02426
Std Dev 0.8462

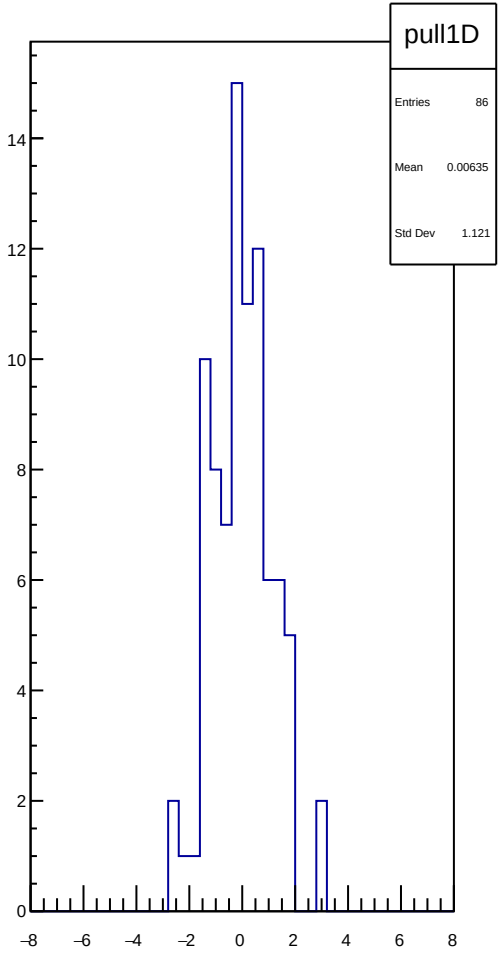

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2270 / 85
p0 219.2 ± 0.1697
250
240
230
220
210
200

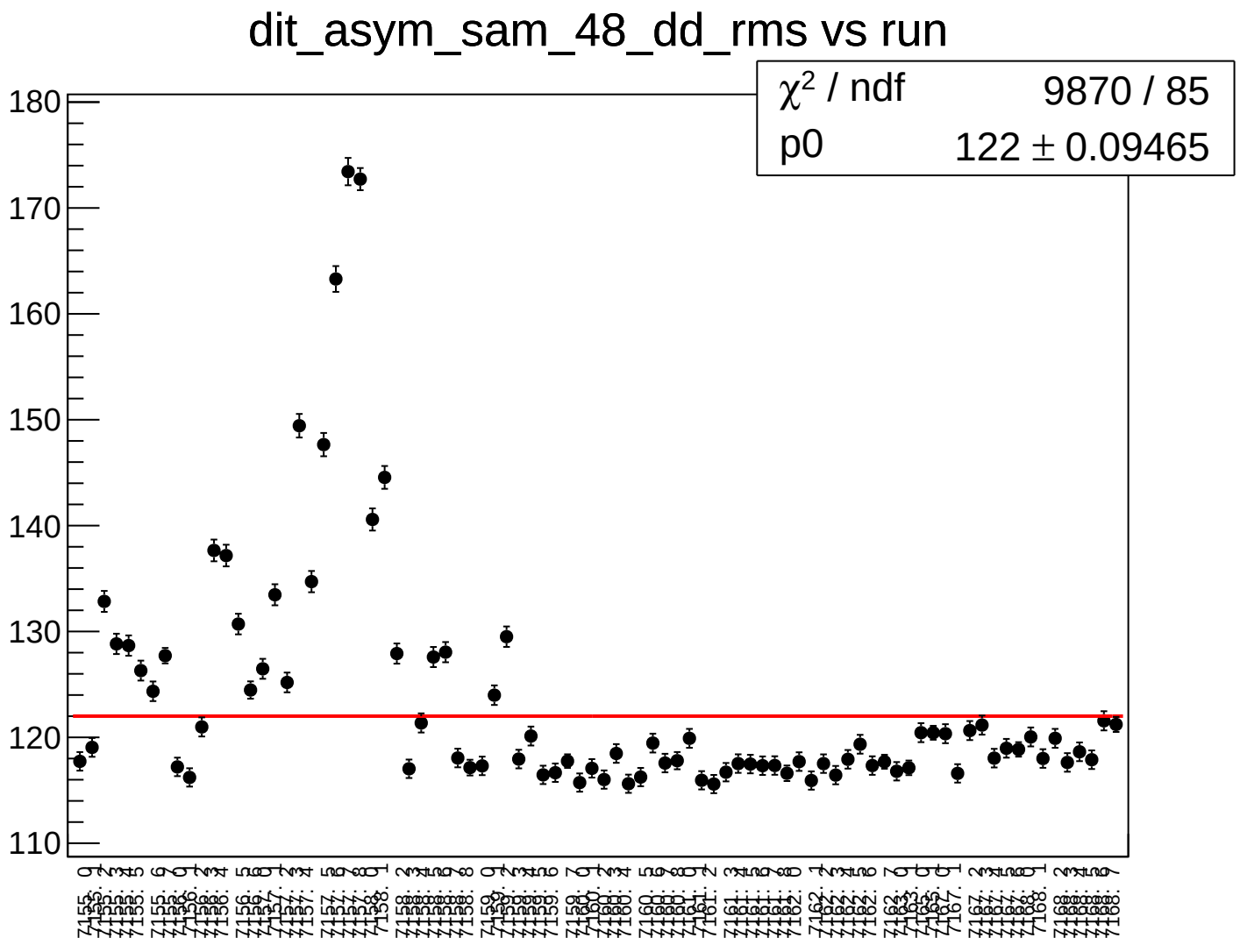

asym_sam_37_dd_mean vs run
χ² / ndf 71.07 / 85
p0 −286.6 ± 233.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean 1.053
Std Dev 58.98
2
1
0
−1
−2

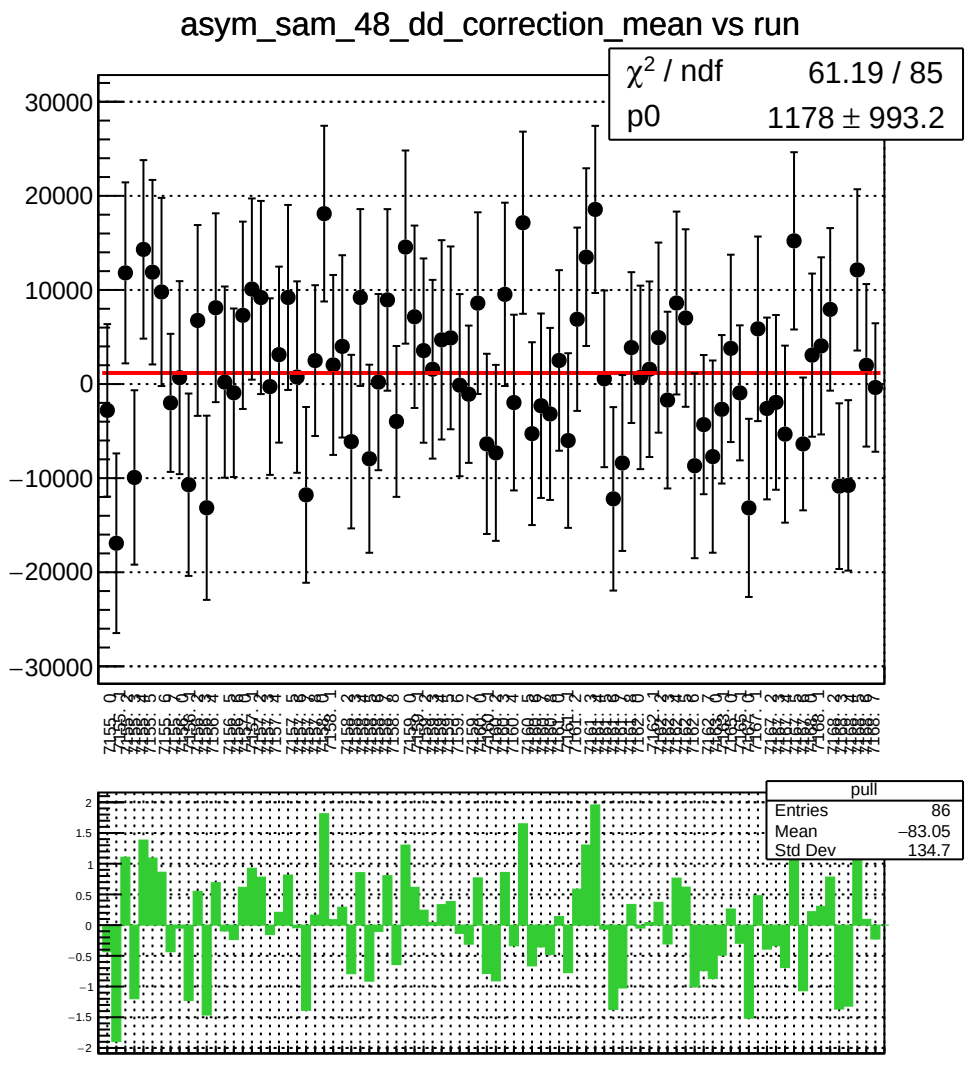

pull1D
Entries 86
Mean −0.03013
Std Dev 0.9085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

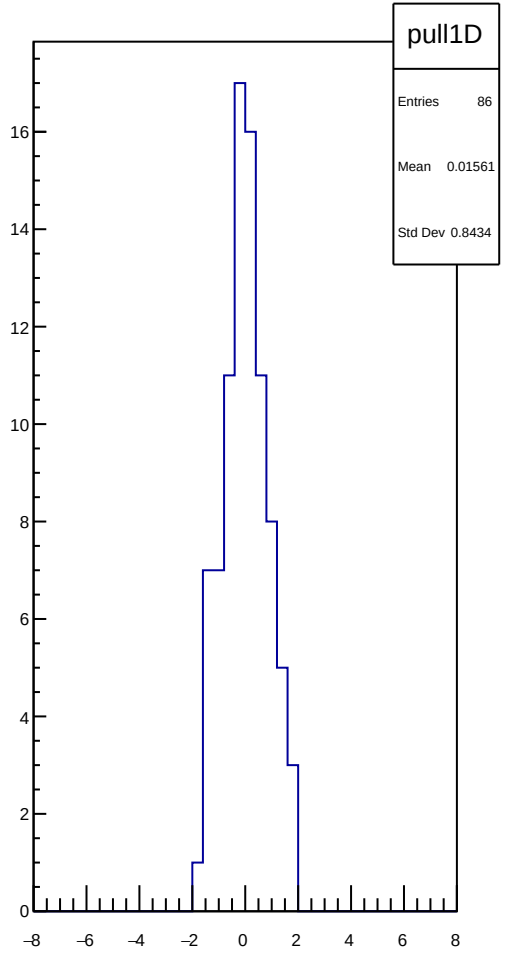

asym_sam_37_dd_rms vs run
χ² / ndf 3148 / 85
p0 213.4 ± 0.1652
250
240
230
220
210
200
190

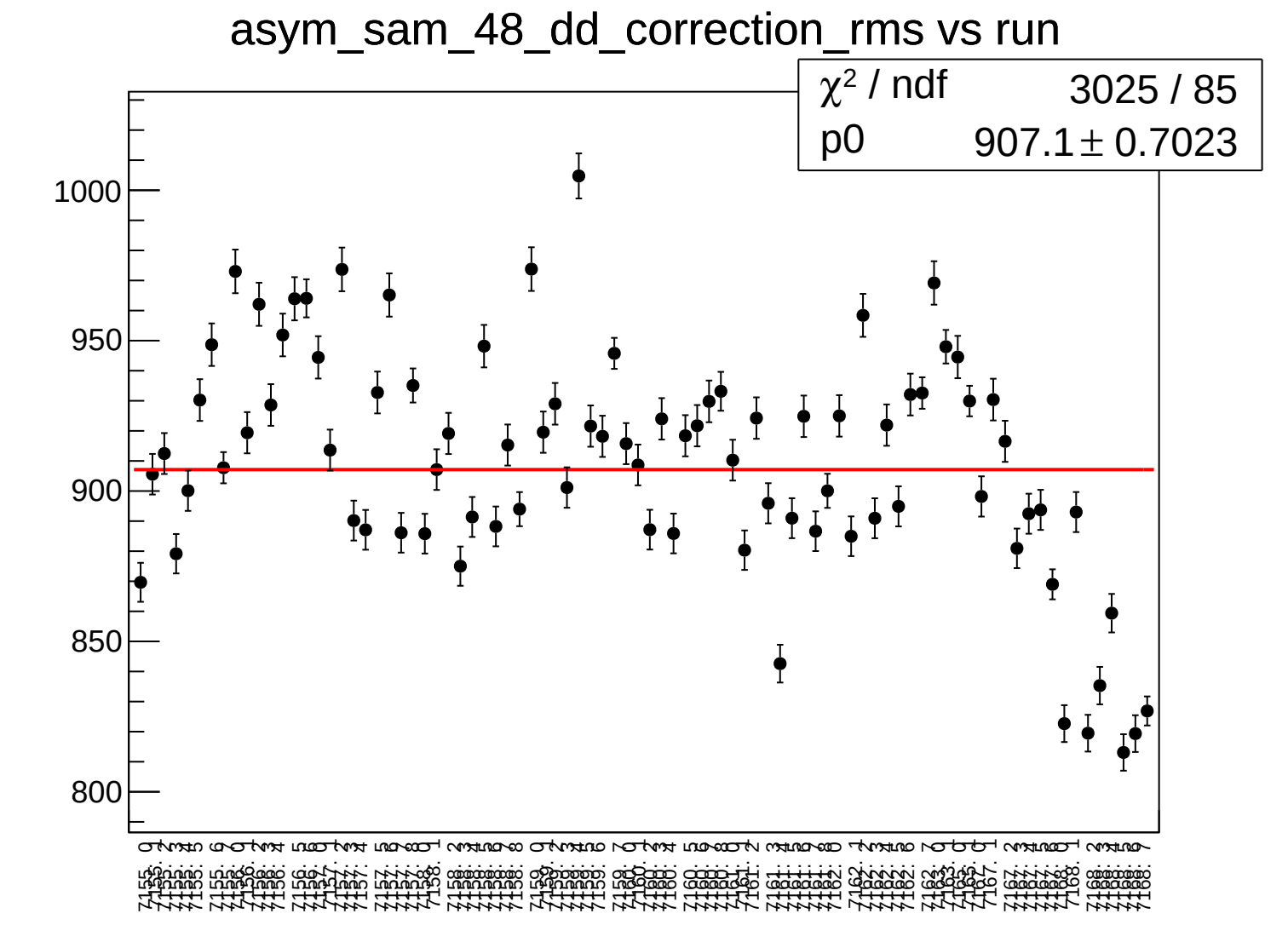

dit_asym_sam_48_dd_mean vs run
χ² / ndf 108.1 / 85
p0 −419.4 ± 133.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −320.1
Std Dev 352.9
3
2
1
0
−1
−2

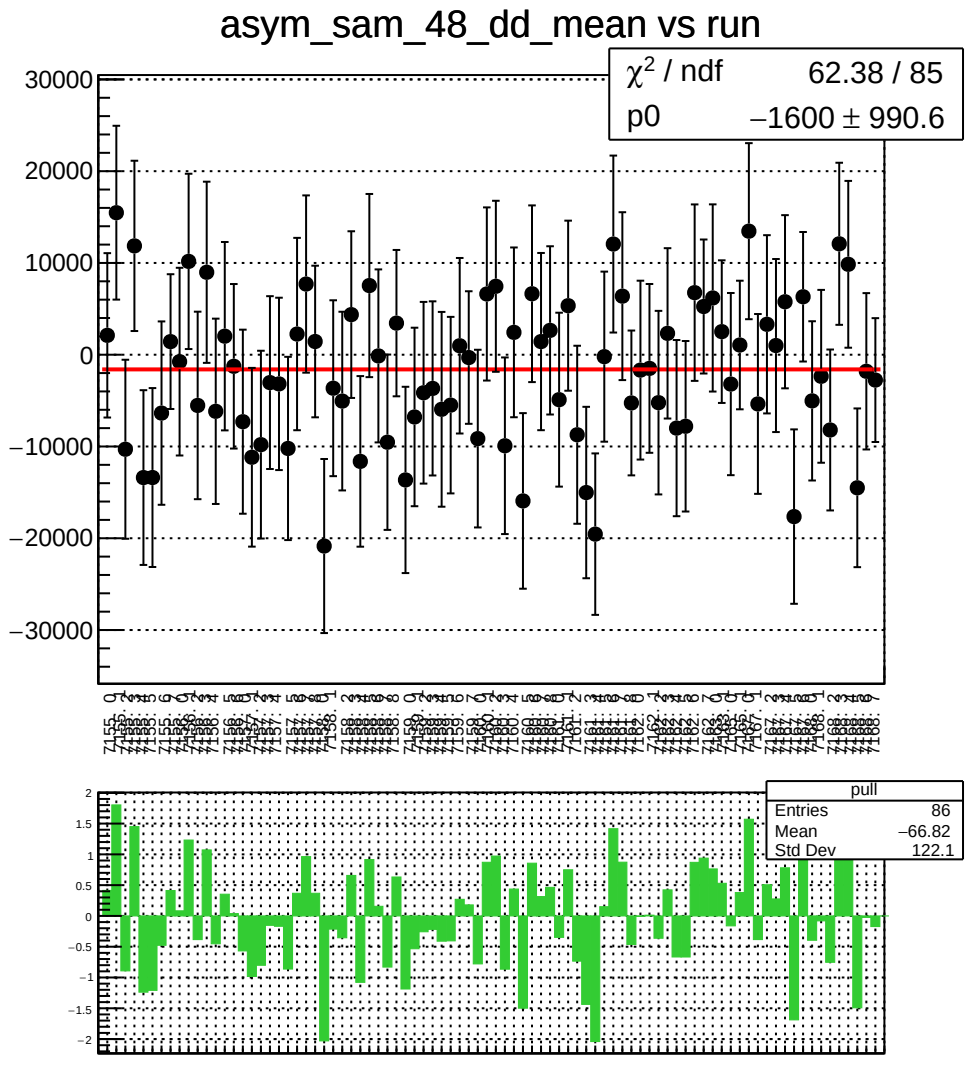

pull1D
Entries 86
Mean 0.00635
Std Dev 1.121
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

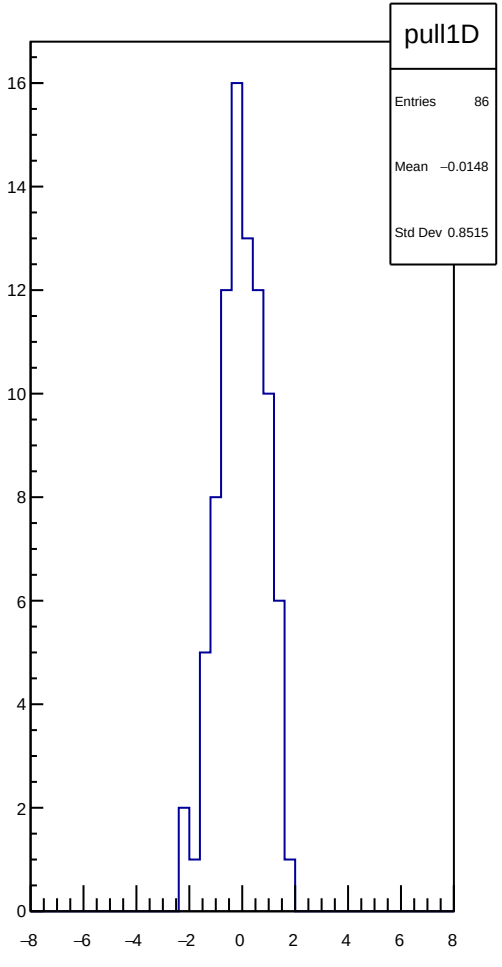

dit_asym_sam_48_dd_rms vs run
χ² / ndf 9870 / 85
p0 122 ± 0.09465
180
170
160
150
140
130
120
110

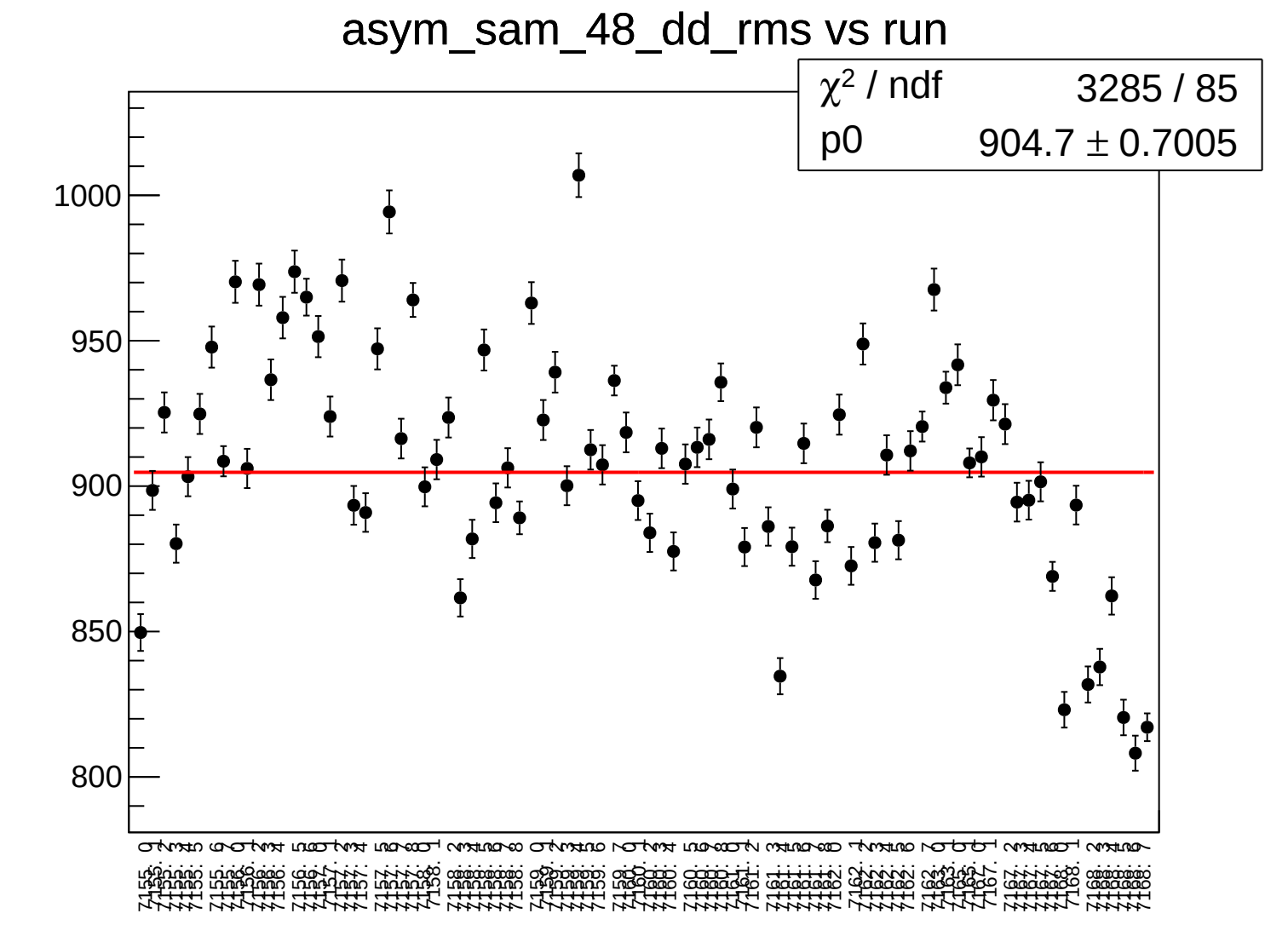

asym_sam_48_dd_correction_mean vs run
χ² / ndf 61.19 / 85
p0 1178 ± 993.2
pull
Entries 86
Mean −83.05
Std Dev 134.7

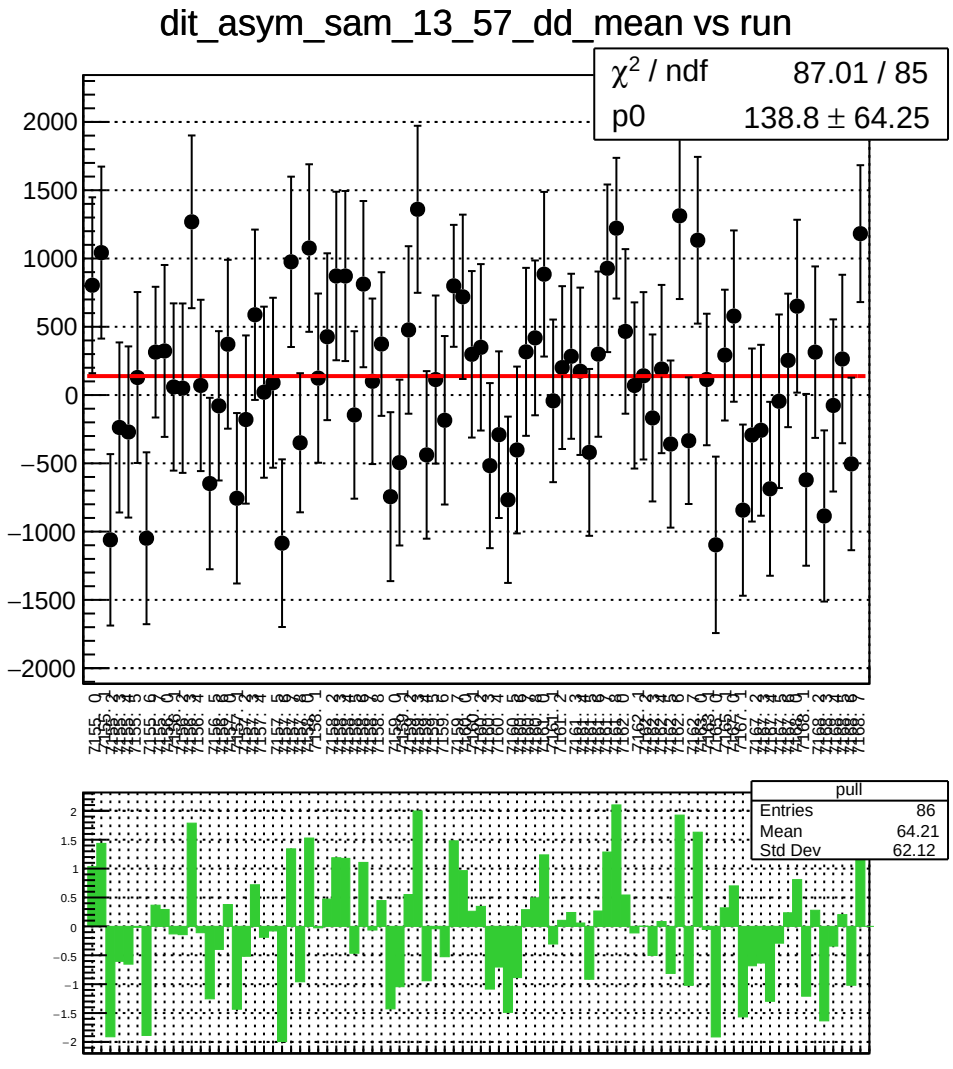

pull1D
Entries 86
Mean 0.01561
Std Dev 0.8434

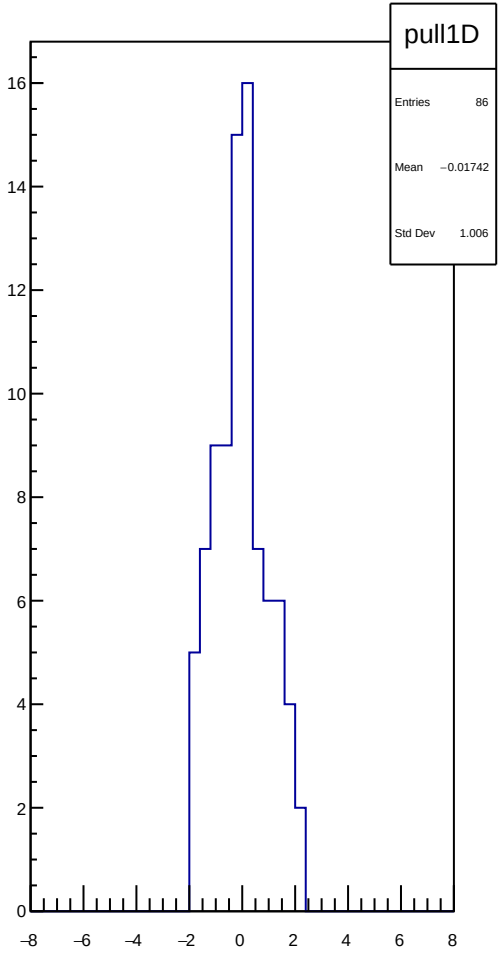

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3025 / 85
p0 907.1 ± 0.7023
1000
950
900
850
800

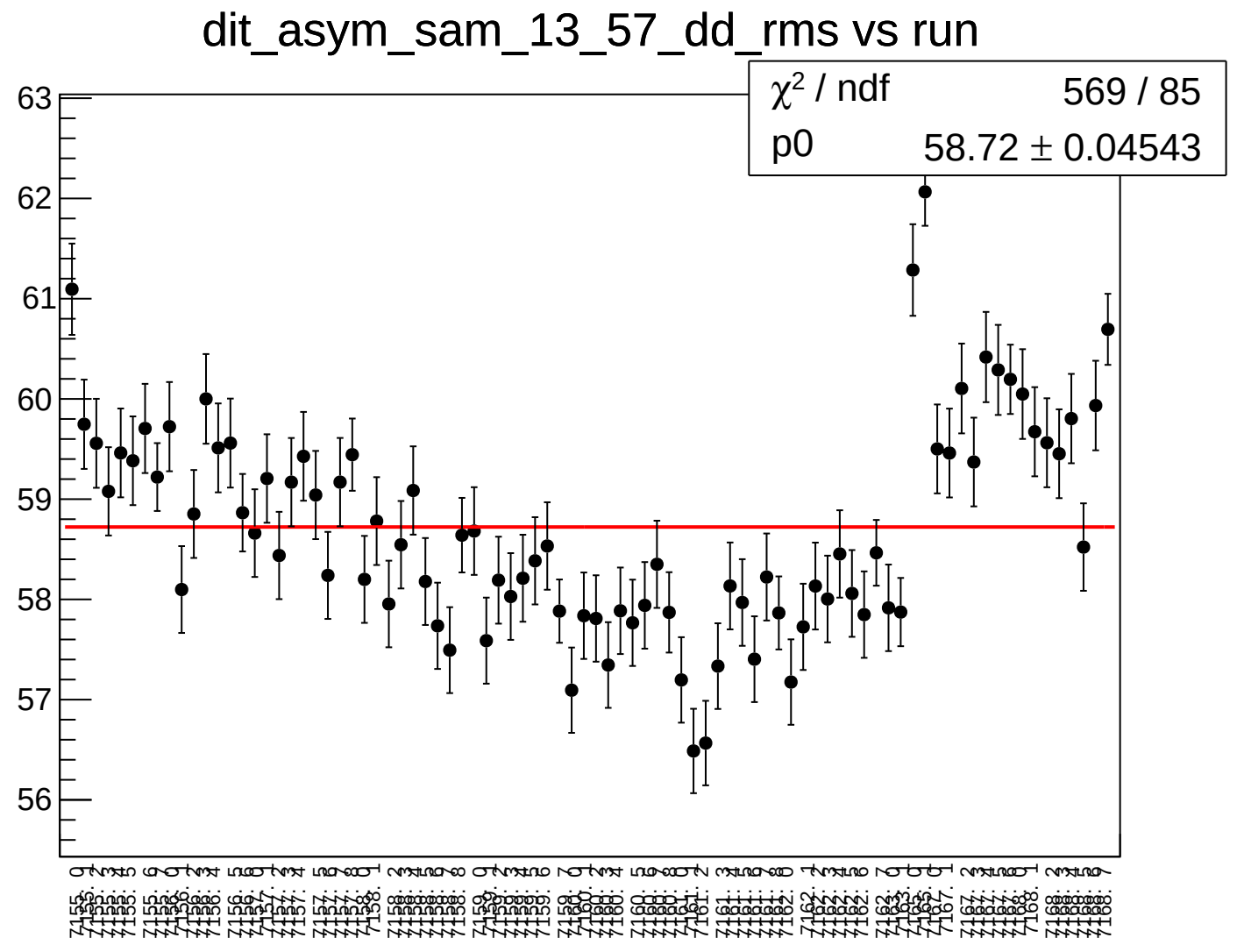

asym_sam_48_dd_mean vs run
χ² / ndf 62.38 / 85
p0 −1600 ± 990.6
pull
Entries 86
Mean −66.82
Std Dev 122.1

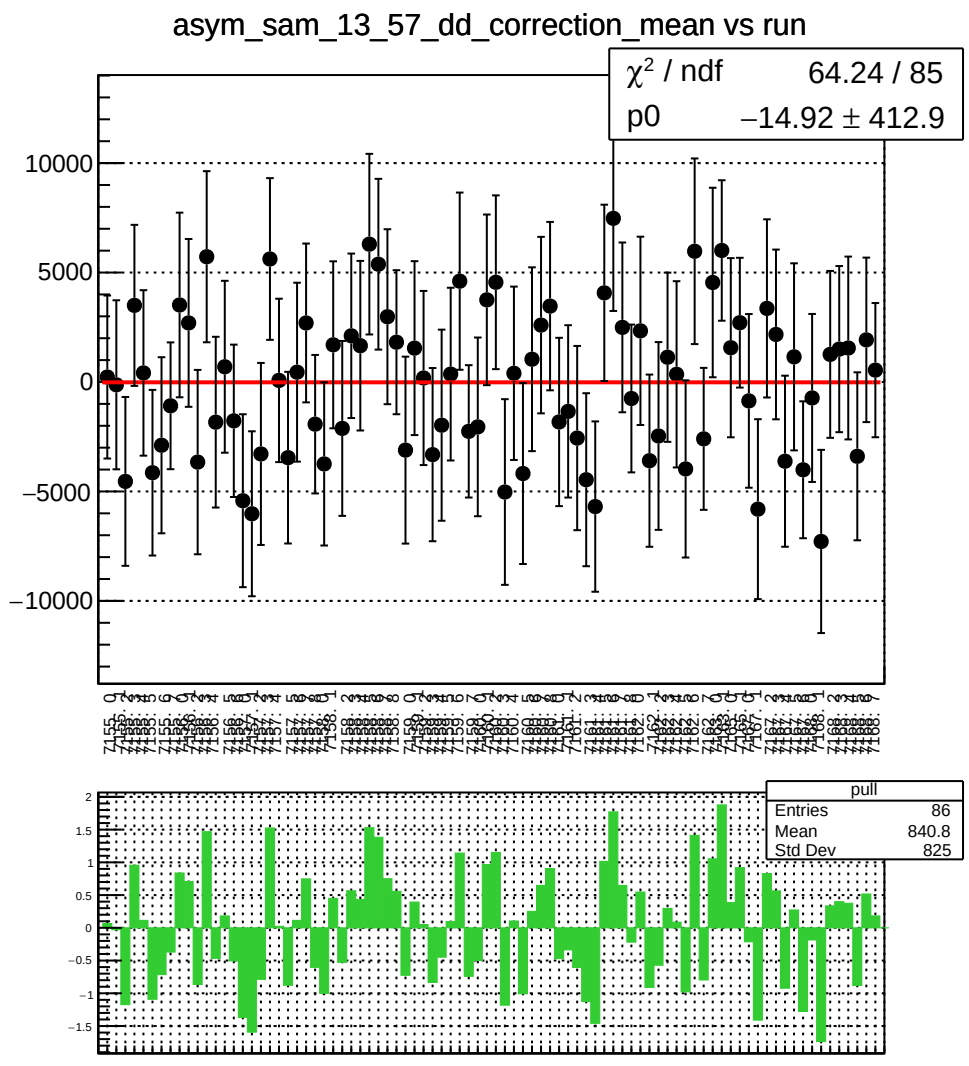

pull1D
Entries 86
Mean −0.0148
Std Dev 0.8515

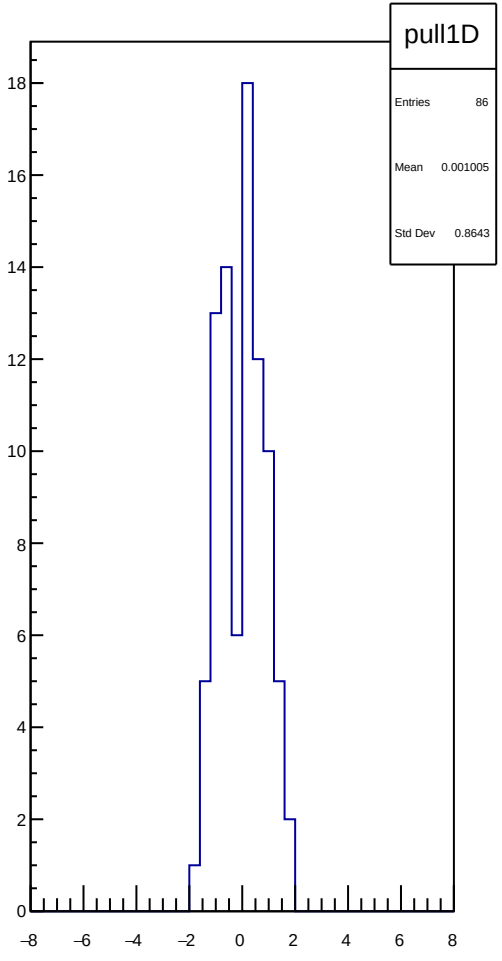

asym_sam_48_dd_rms vs run
χ² / ndf 3285 / 85
p0 904.7 ± 0.7005
1000
950
900
850
800

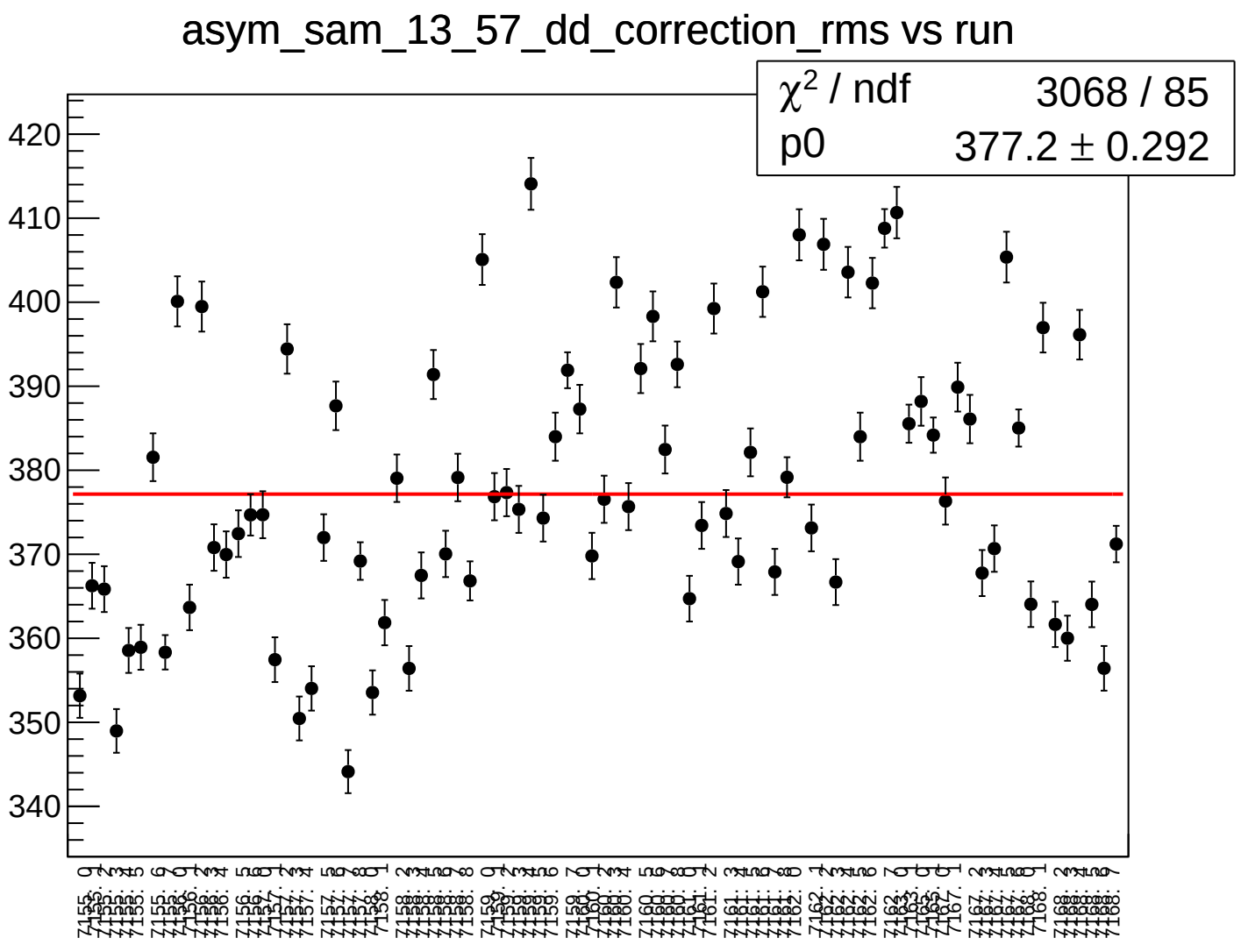

dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 87.01 / 85
p0 138.8 ± 64.25
pull
Entries 86
Mean 64.21
Std Dev 62.12

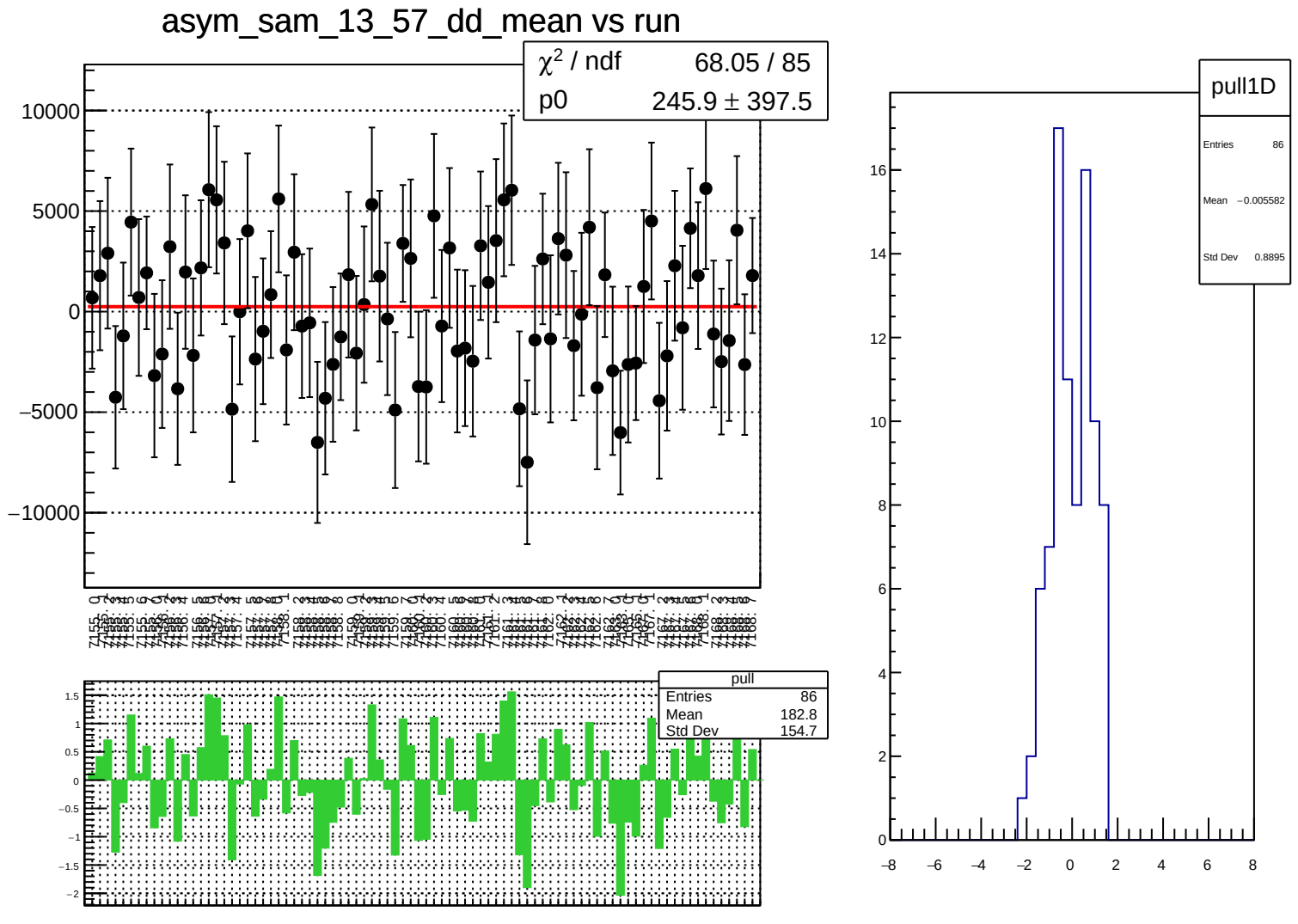

pull1D
Entries 86
Mean −0.01742
Std Dev 1.006

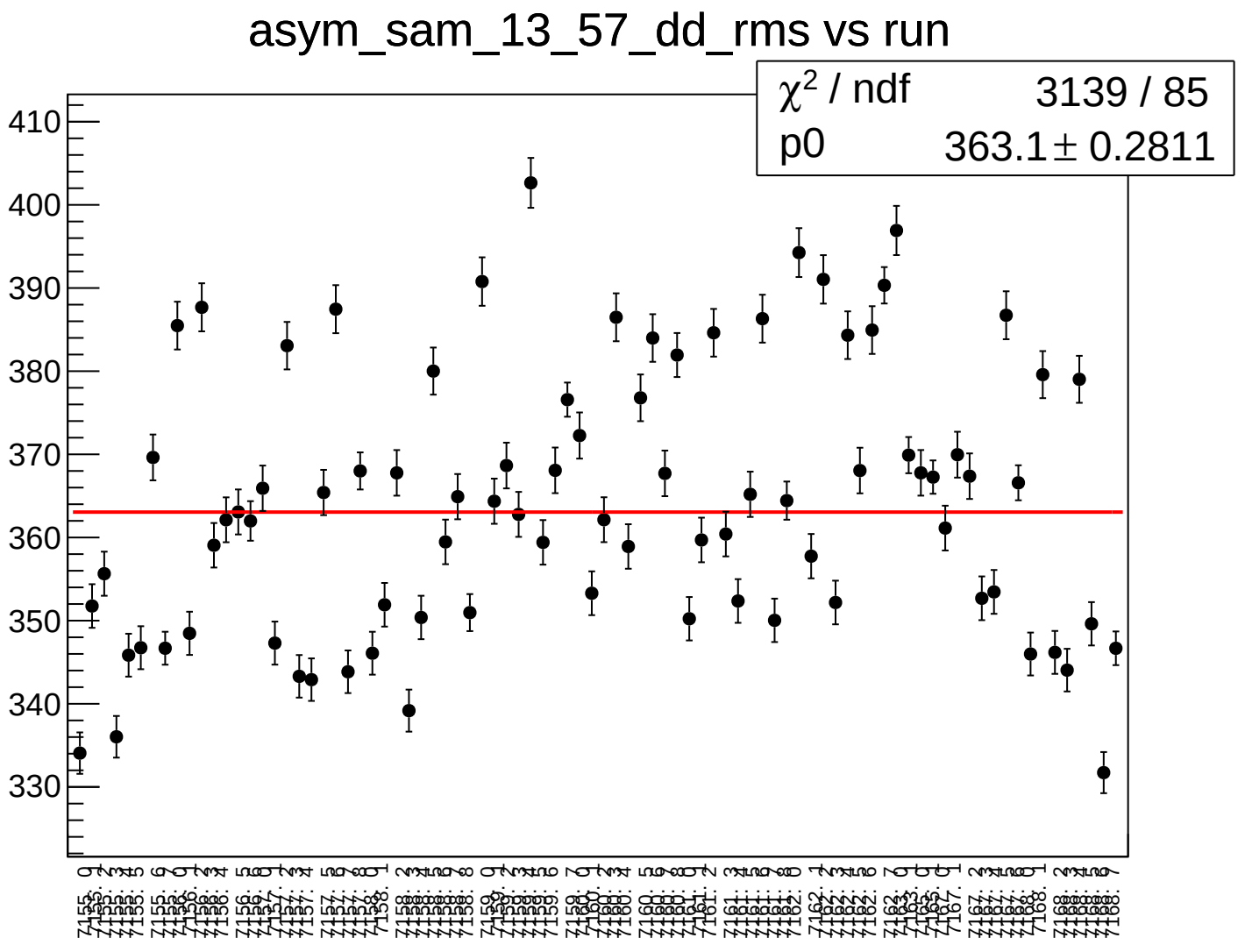

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 569 / 85
p0 58.72 ± 0.04543
63
62
61
60
59
58
57
56

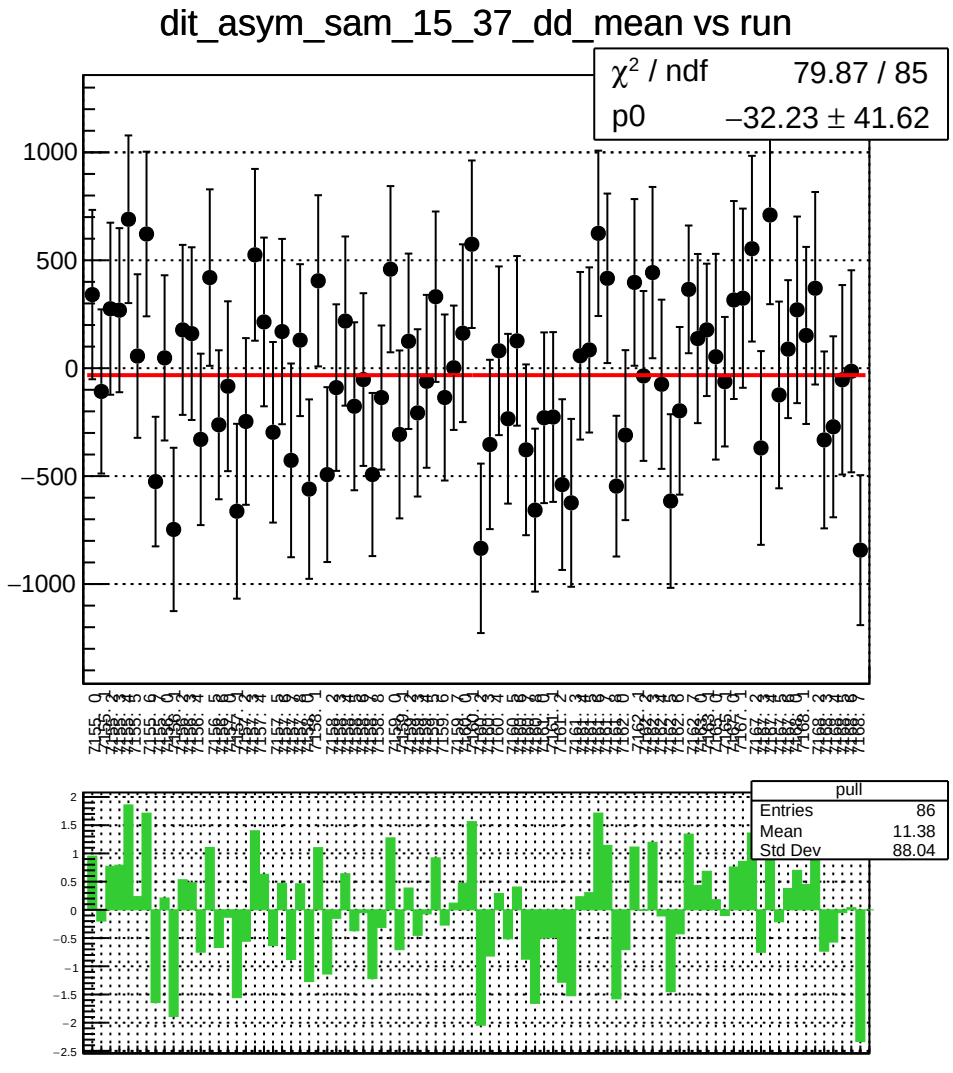

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 64.24 / 85
p0 −14.92 ± 412.9
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 840.8
Std Dev 825
2
1.5
1
0.5
0
−0.5
−1
−1.5

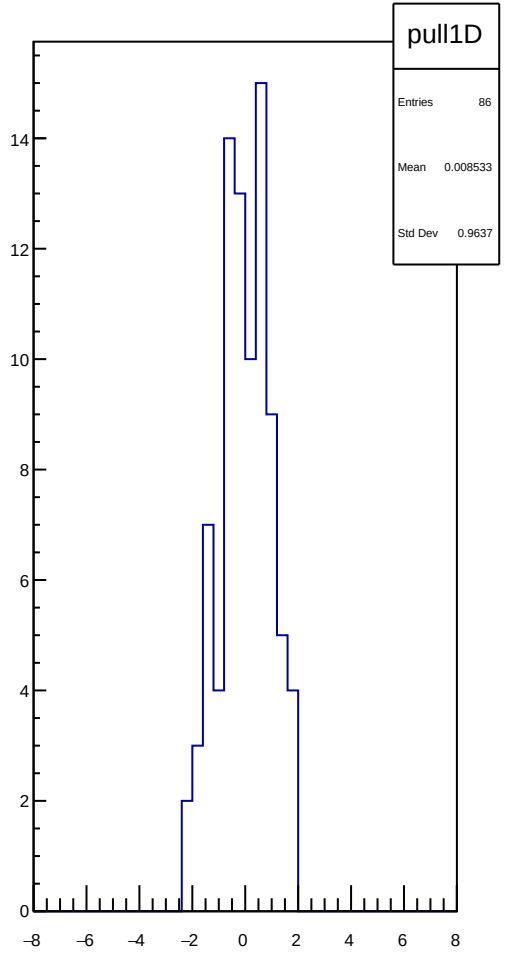

pull1D
Entries 86
Mean 0.001005
Std Dev 0.8643
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

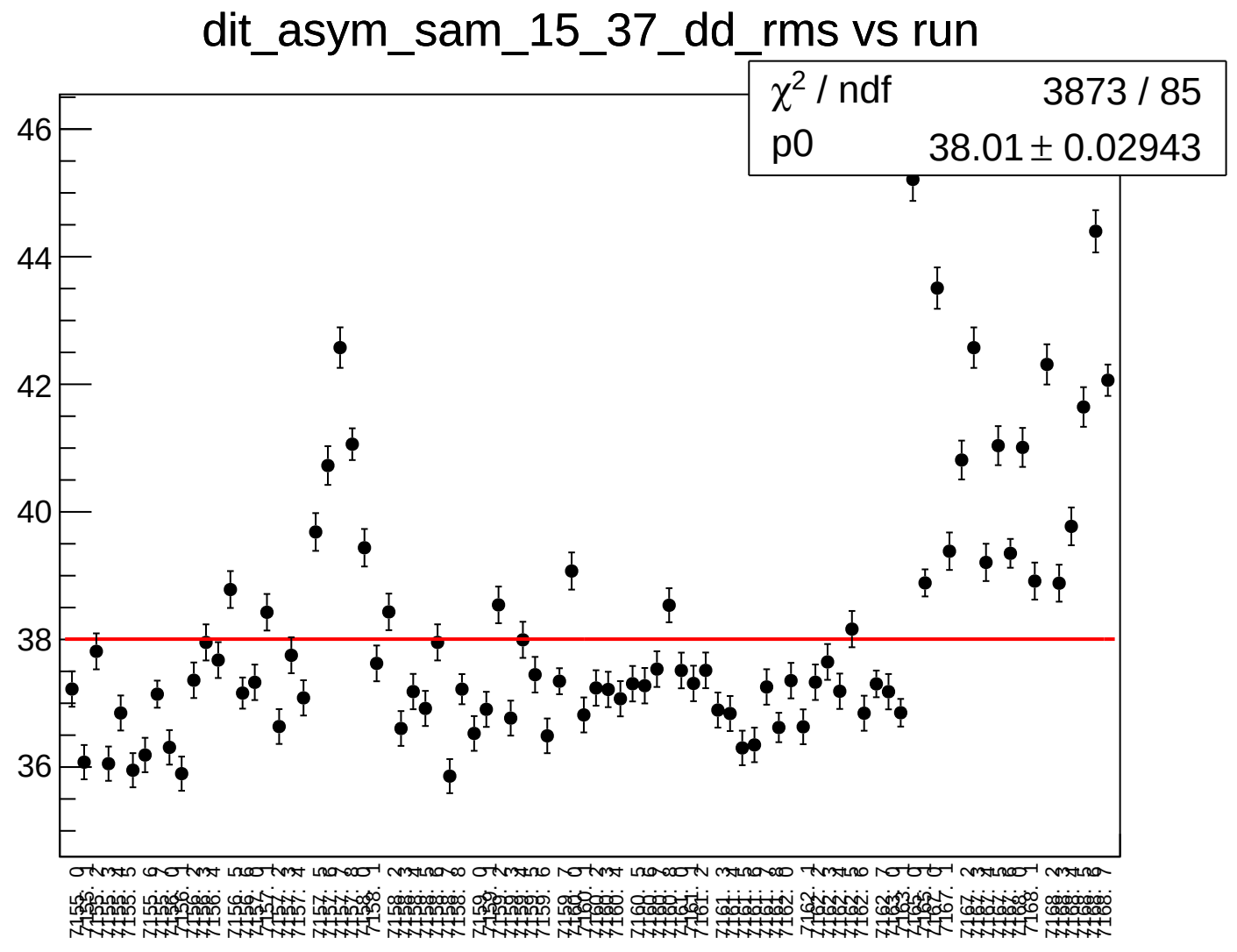

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 3068 / 85
p0 377.2 ± 0.292
420
410
400
390
380
370
360
350
340

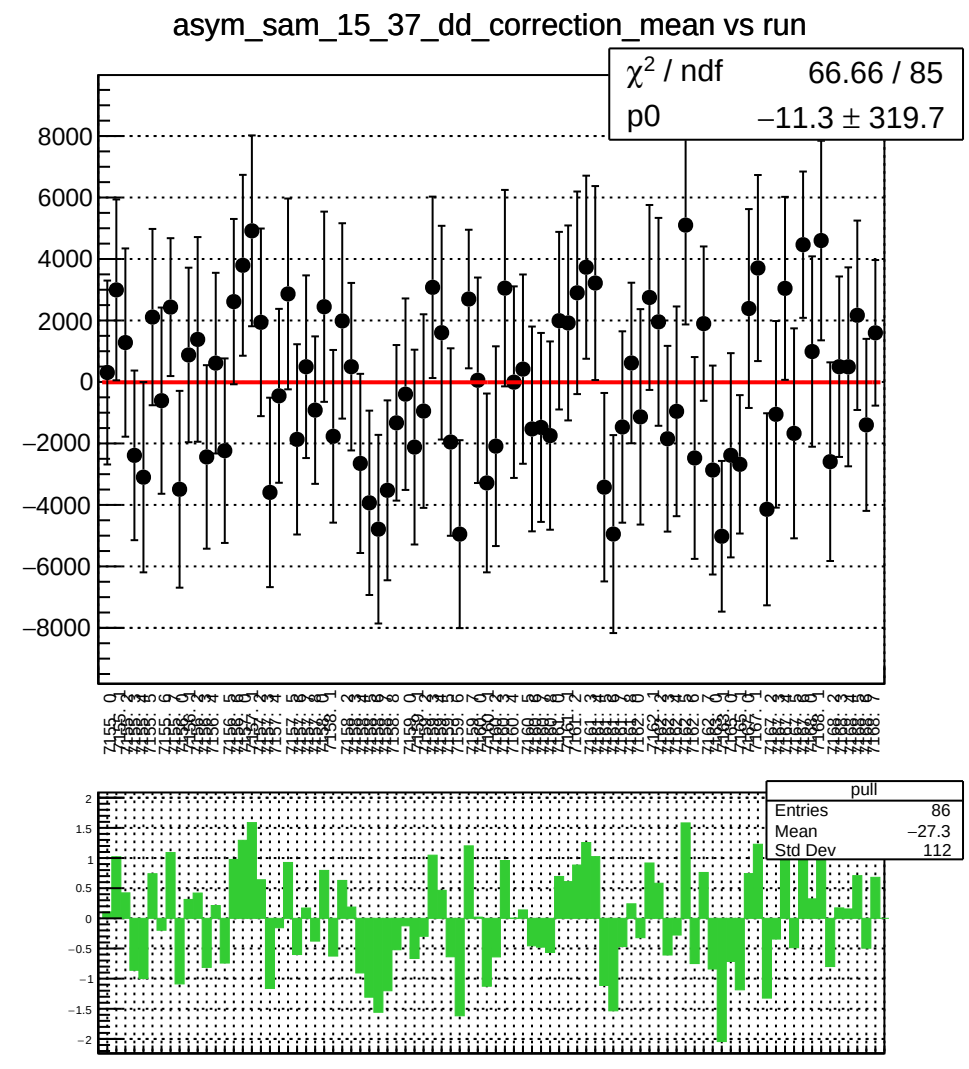

asym_sam_13_57_dd_mean vs run
χ² / ndf 68.05 / 85
p0 245.9 ± 397.5
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 182.8
Std Dev 154.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.005582
Std Dev 0.8895
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

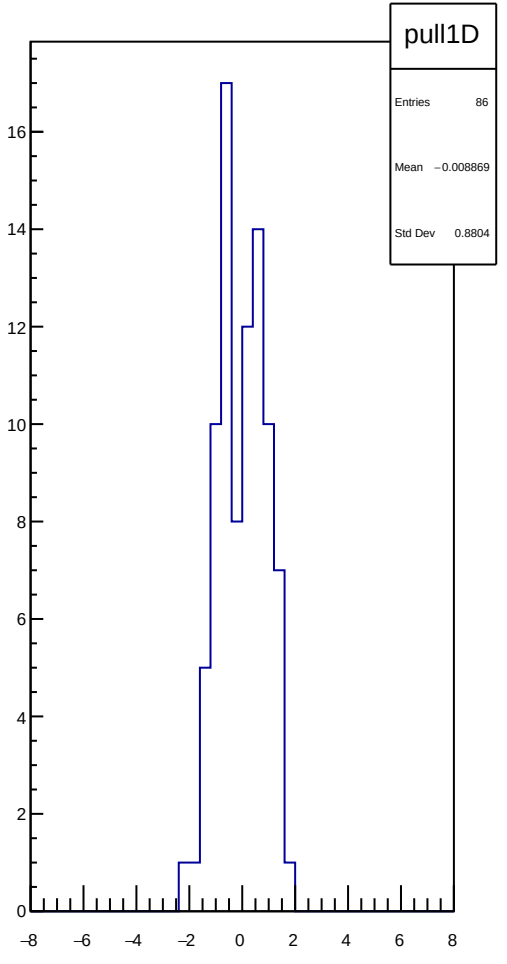

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 3139 / 85
p0 363.1 ± 0.2811
410
400
390
380
370
360
350
340
330

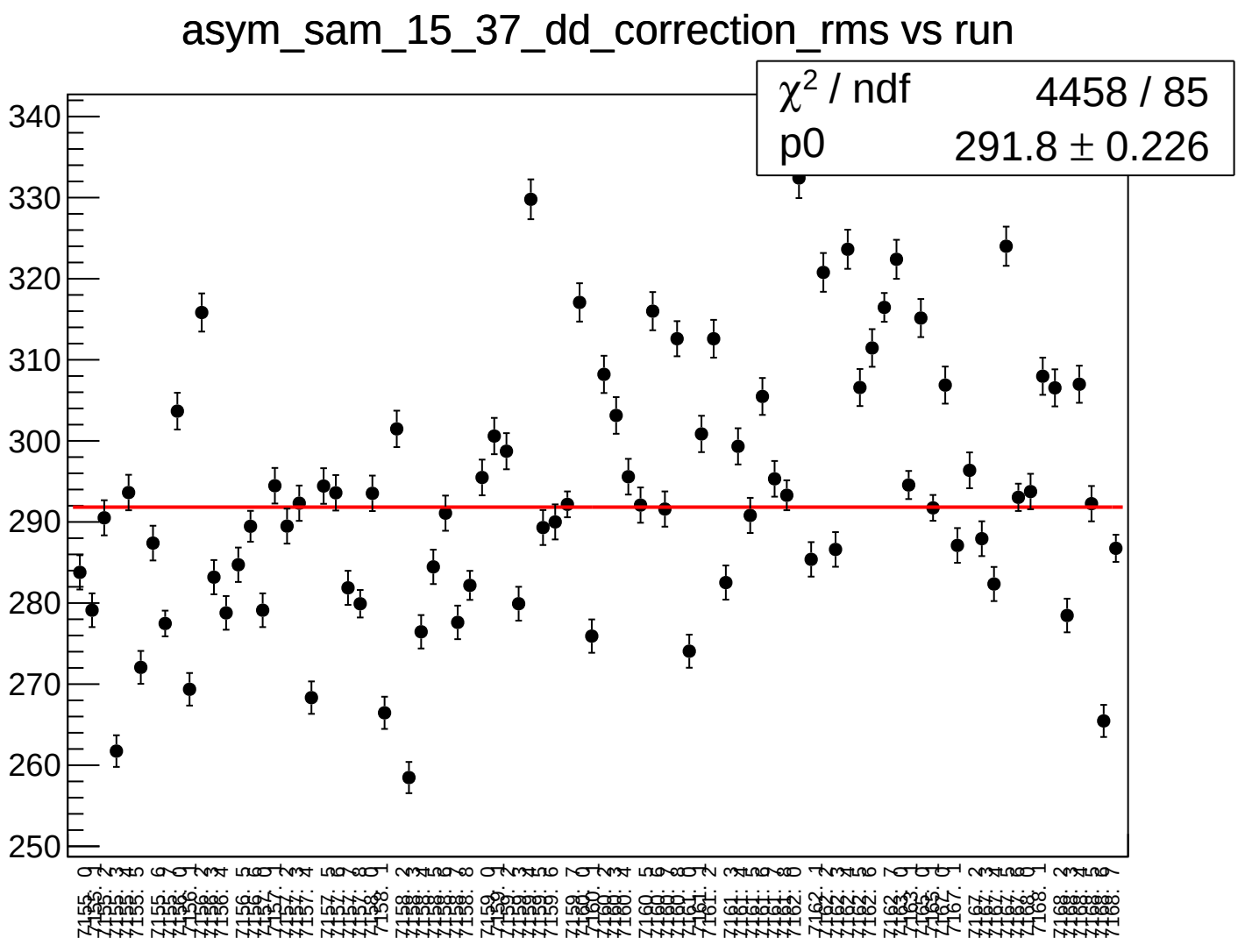

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 79.87 / 85
p0 −32.23 ± 41.62
1000
500
0
−500
−1000
pull
Entries 86
Mean 11.38
Std Dev 88.04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

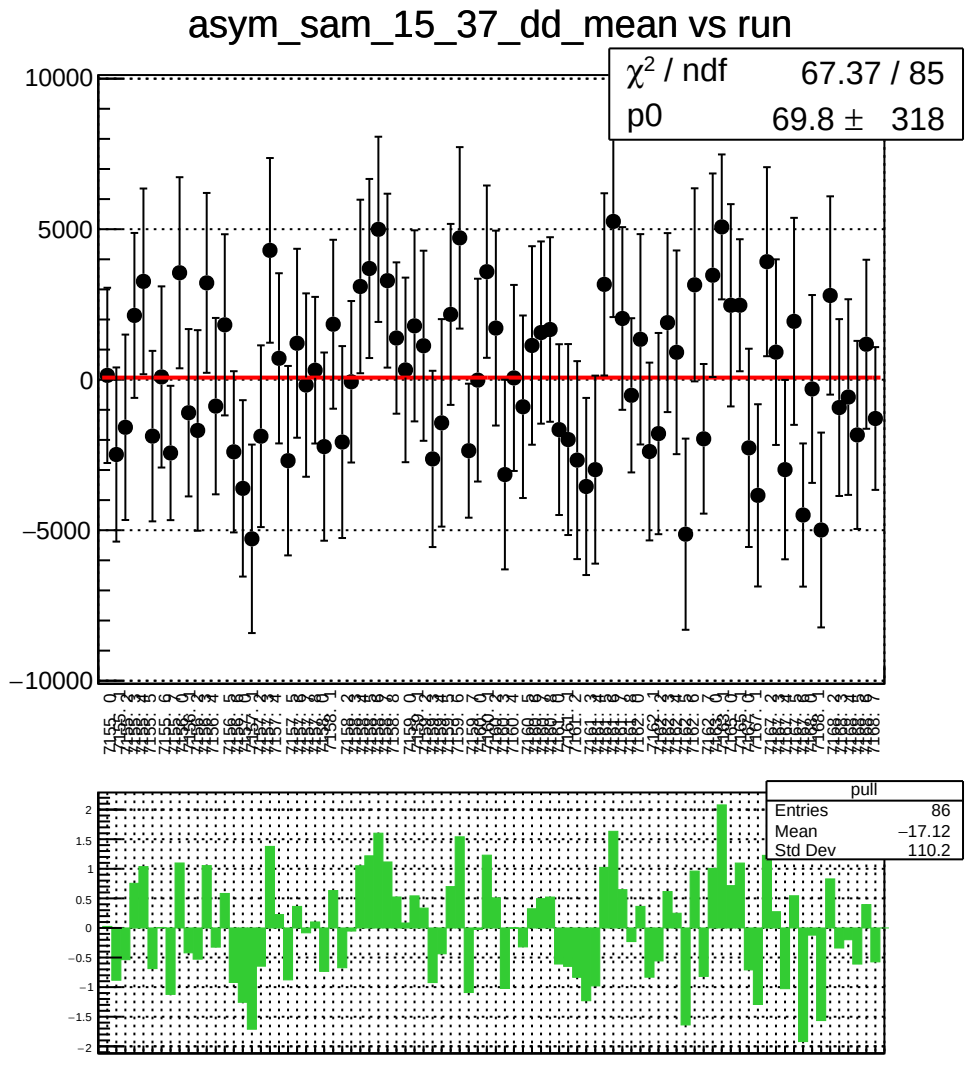

pull1D
Entries 86
Mean 0.008533
Std Dev 0.9637
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

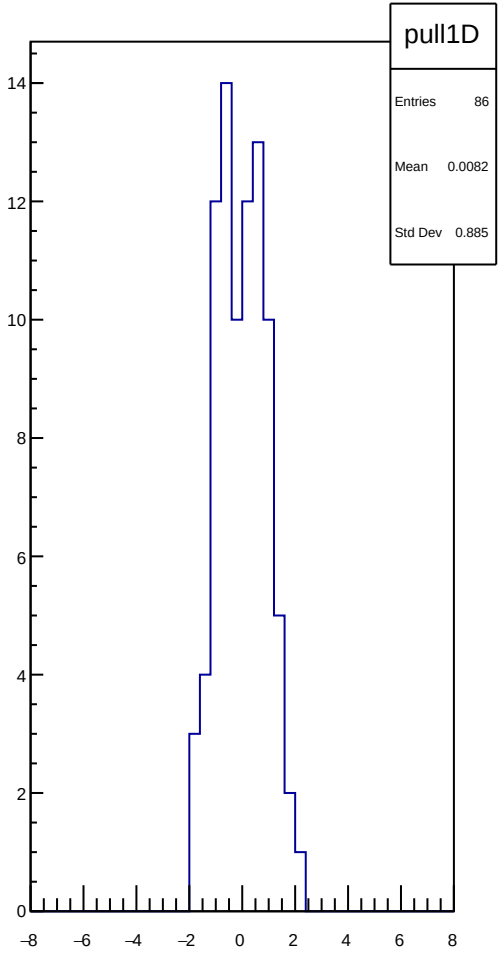

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 3873 / 85
p0 38.01 ± 0.02943
46
44
42
40
38
36

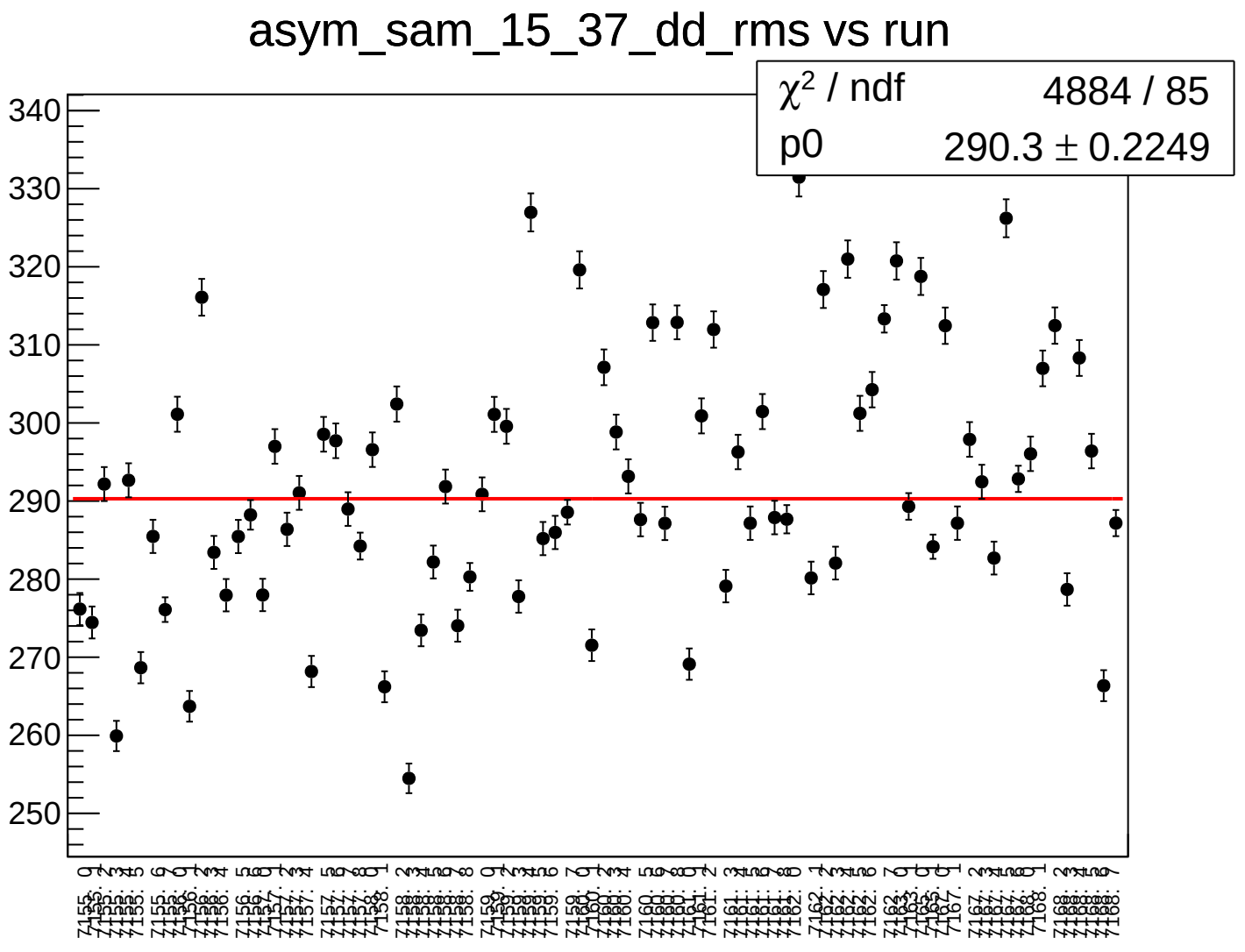

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 66.66 / 85
p0 −11.3 ± 319.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 86
Mean −27.3
Std Dev 112
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

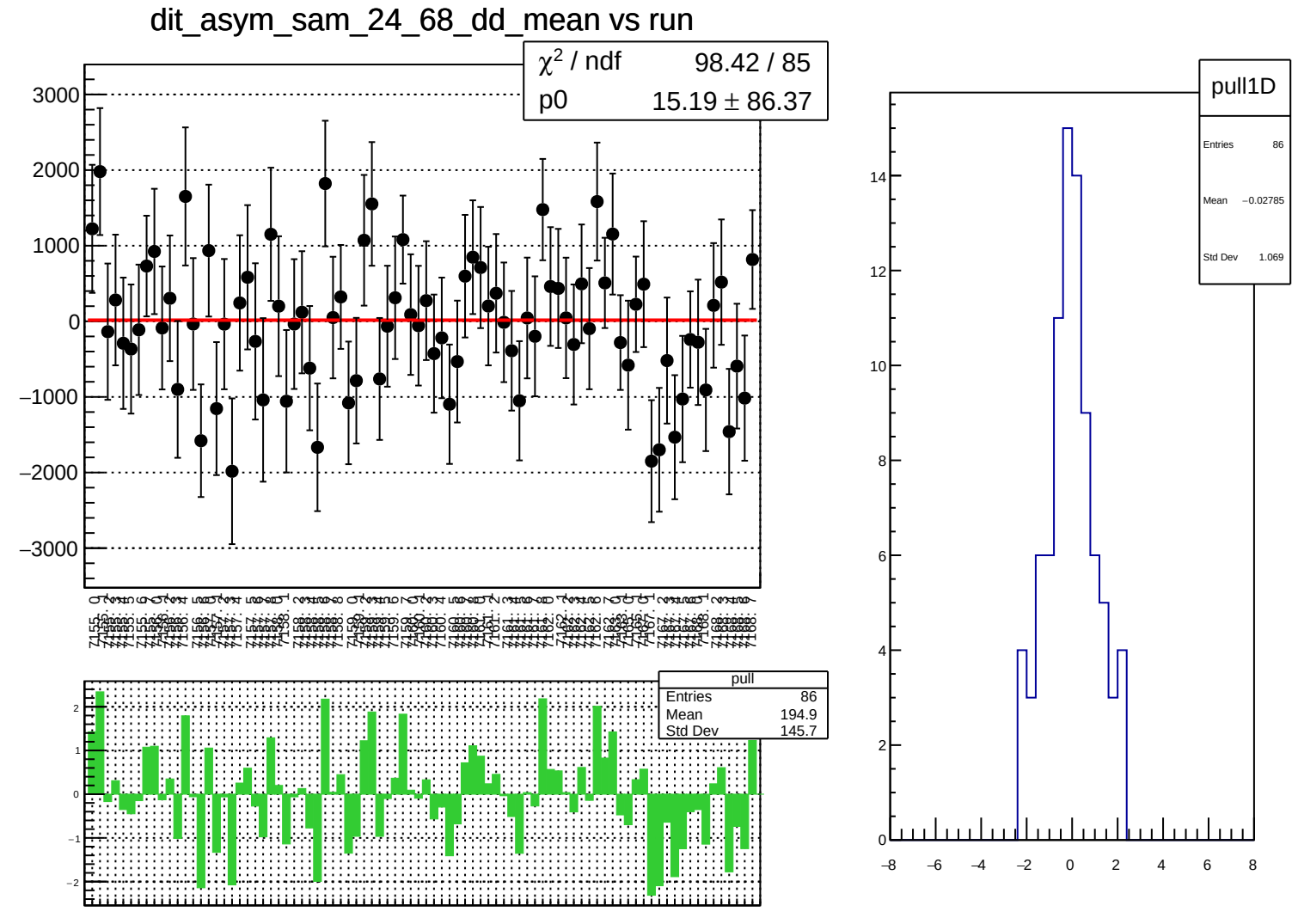

pull1D
Entries 86
Mean −0.008869
Std Dev 0.8804
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

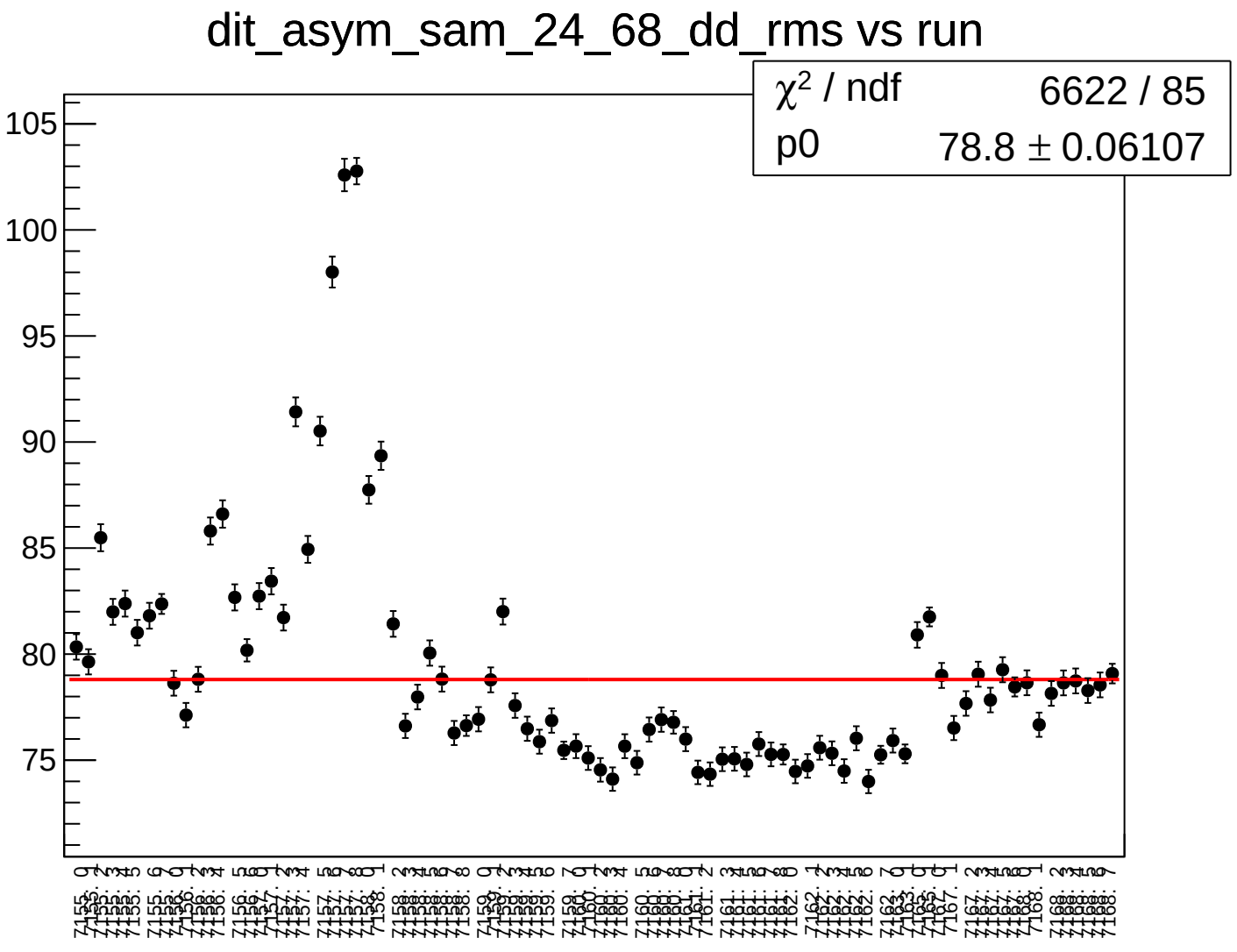

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4458 / 85
p0 291.8 ± 0.226
340
330
320
310
300
290
280
270
260
250

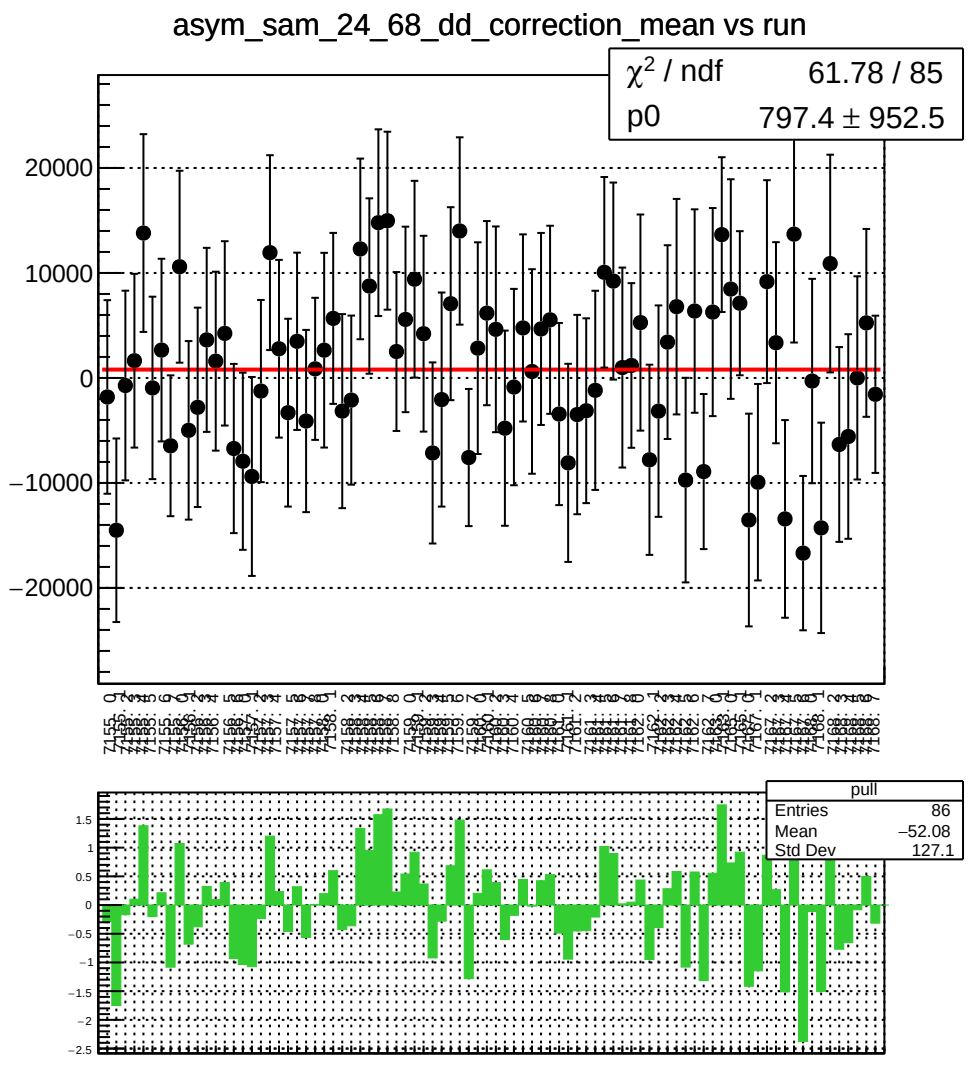

asym_sam_15_37_dd_mean vs run
χ^2 / ndf 67.37 / 85
p0 69.8 ± 318
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −17.12
Std Dev 110.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

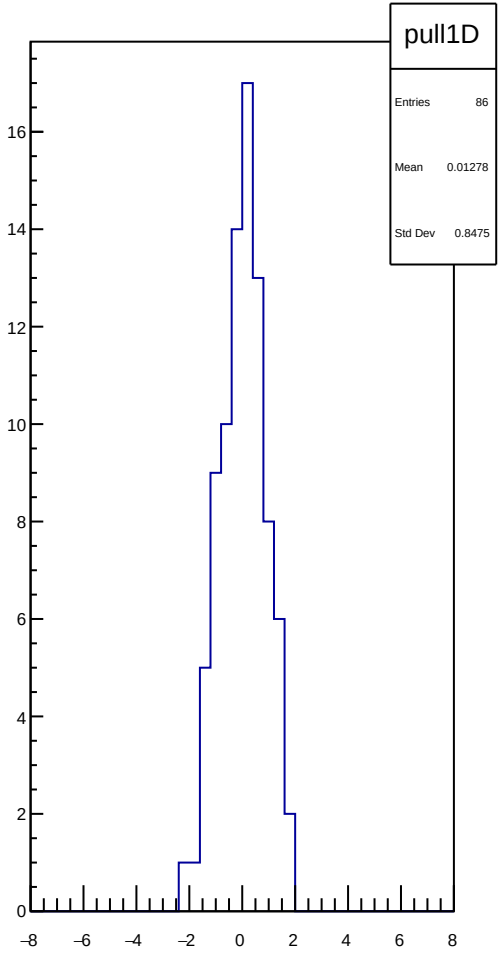

pull1D
Entries 86
Mean 0.0082
Std Dev 0.885
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

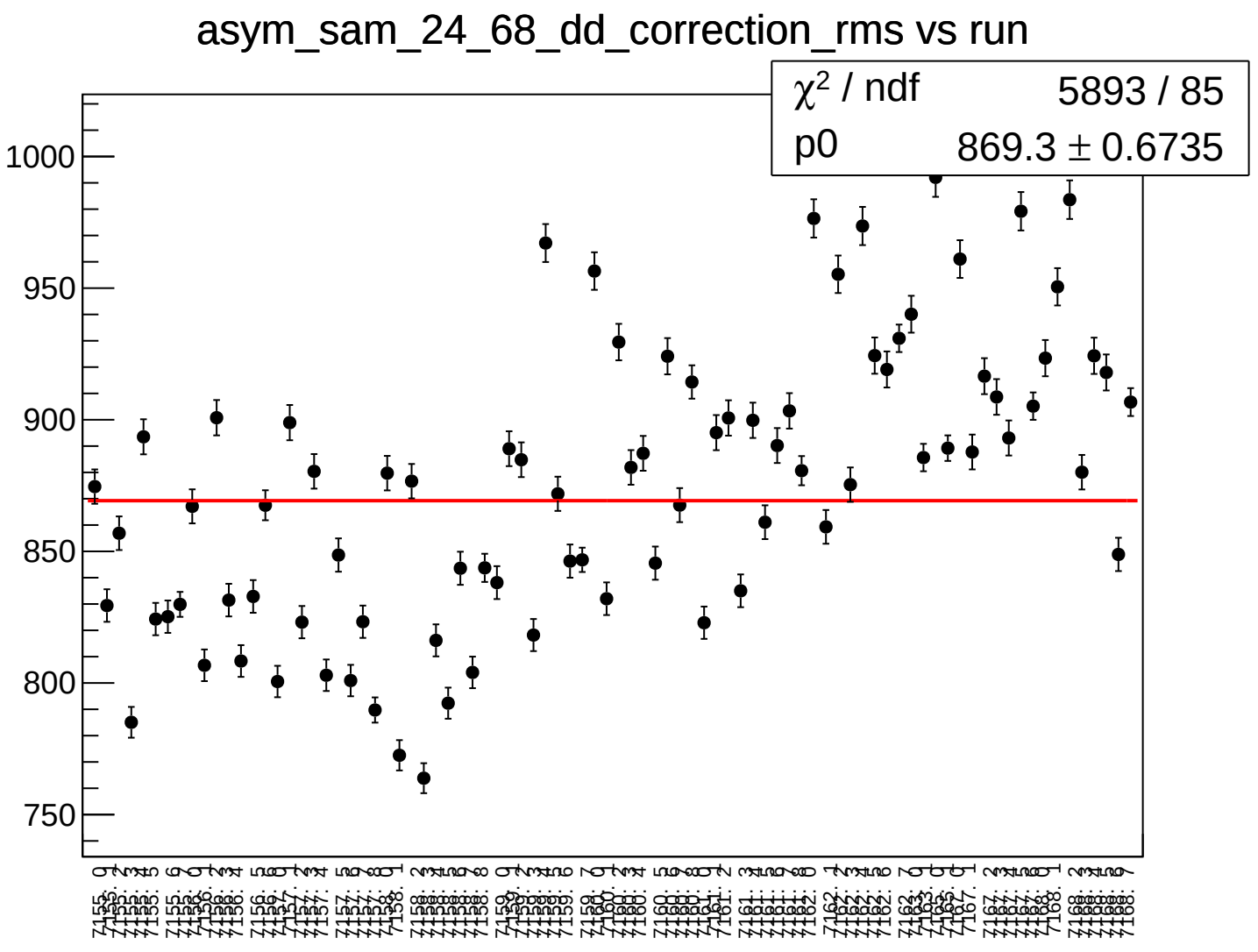

asym_sam_15_37_dd_rms vs run
χ² / ndf 4884 / 85
p0 290.3 ± 0.2249
340
330
320
310
300
290
280
270
260
250

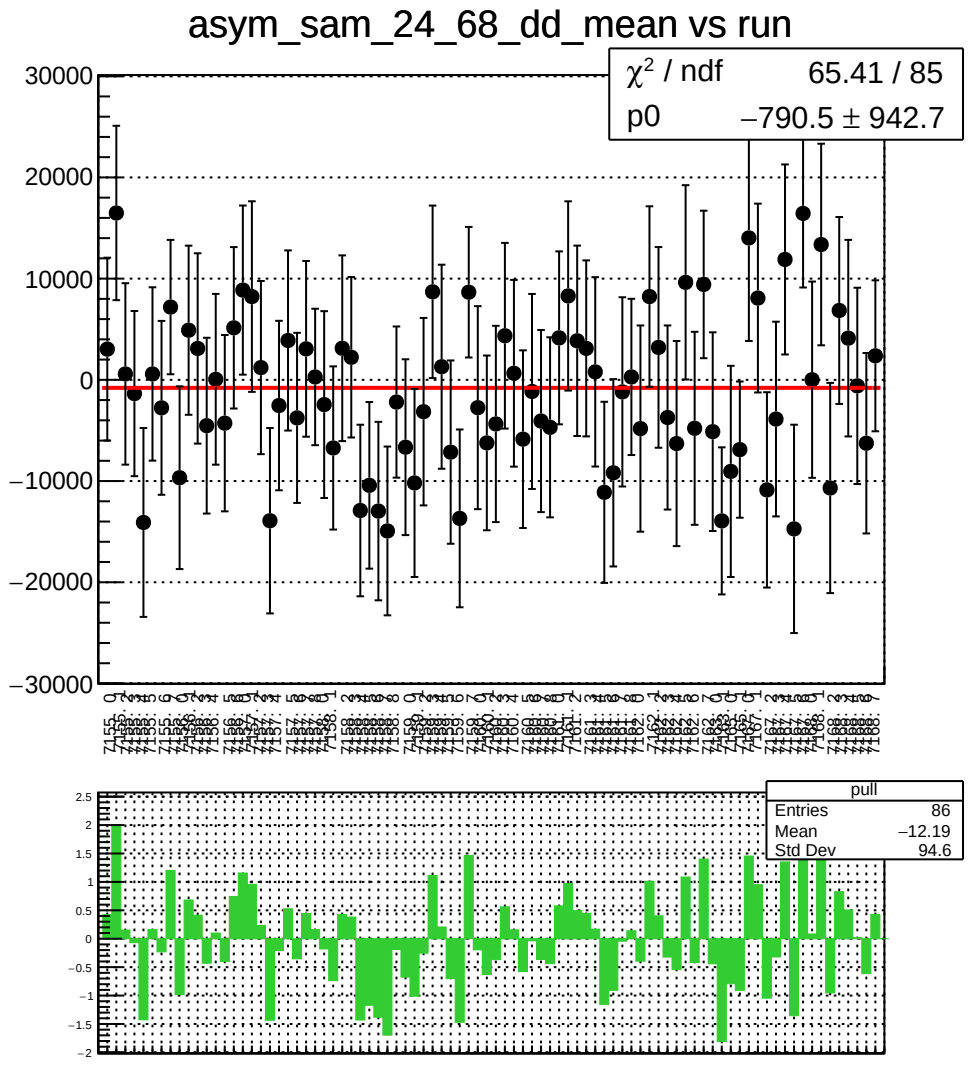

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 98.42 / 85
p0 15.19 ± 86.37
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean 194.9
Std Dev 145.7
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.02785
Std Dev 1.069
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

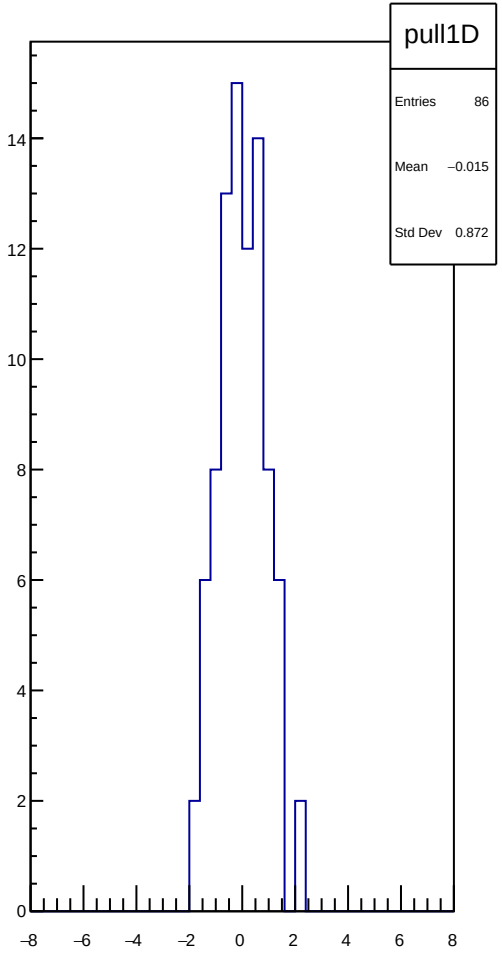

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 6622 / 85
p0 78.8 ± 0.06107
105
100
95
90
85
80
75

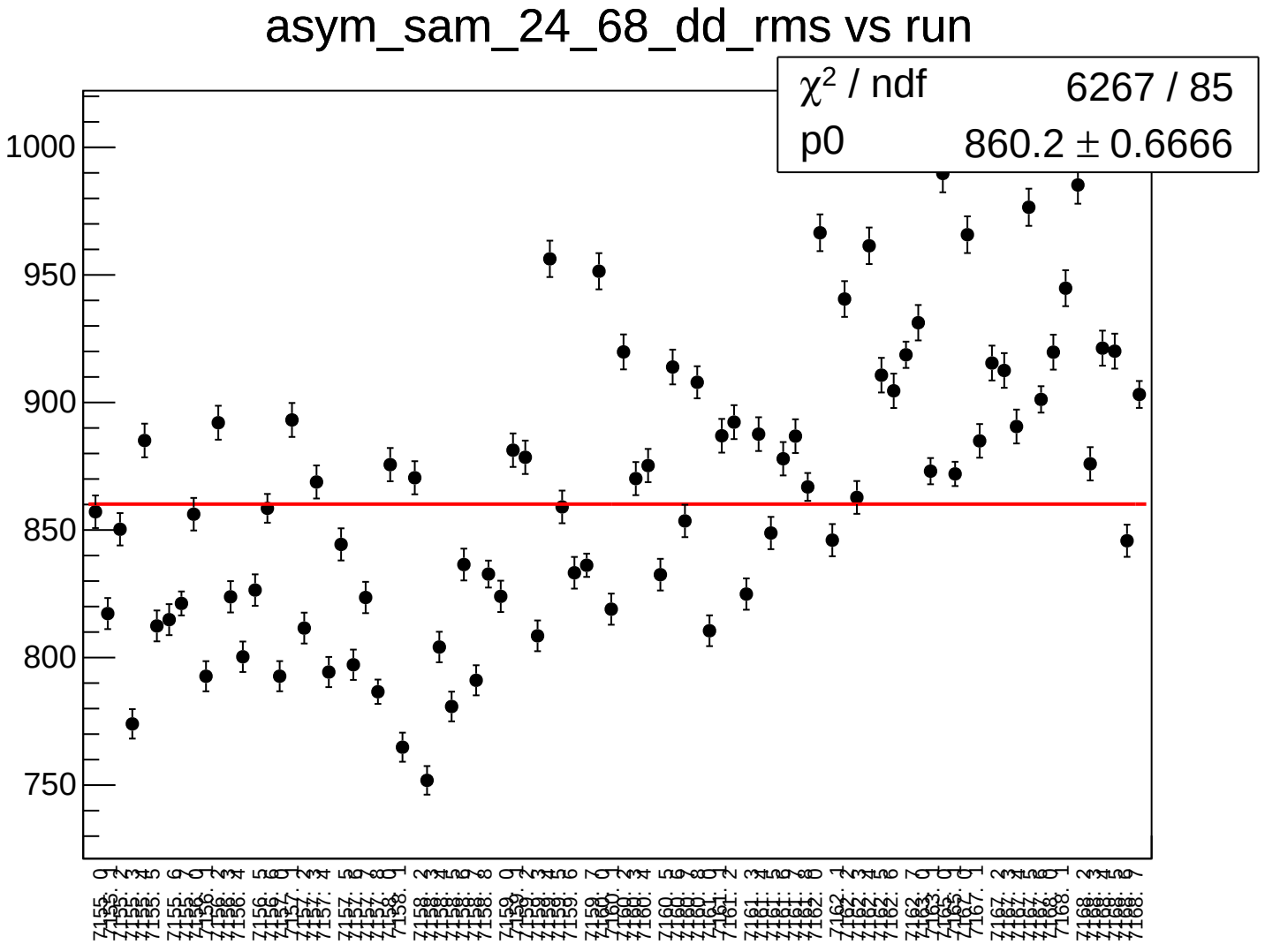

asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 61.78 / 85
p0 797.4 ± 952.5
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −52.08
Std Dev 127.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

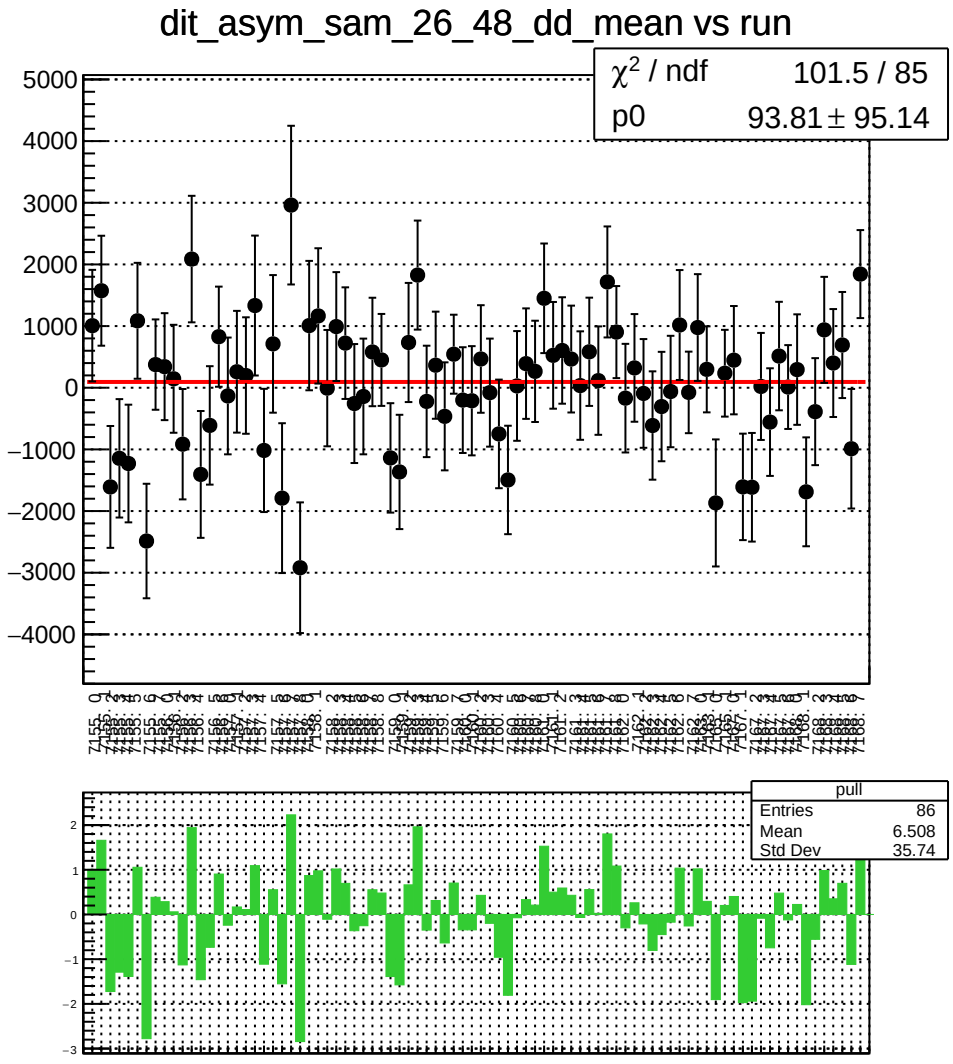

pull1D
Entries 86
Mean 0.01278
Std Dev 0.8475
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

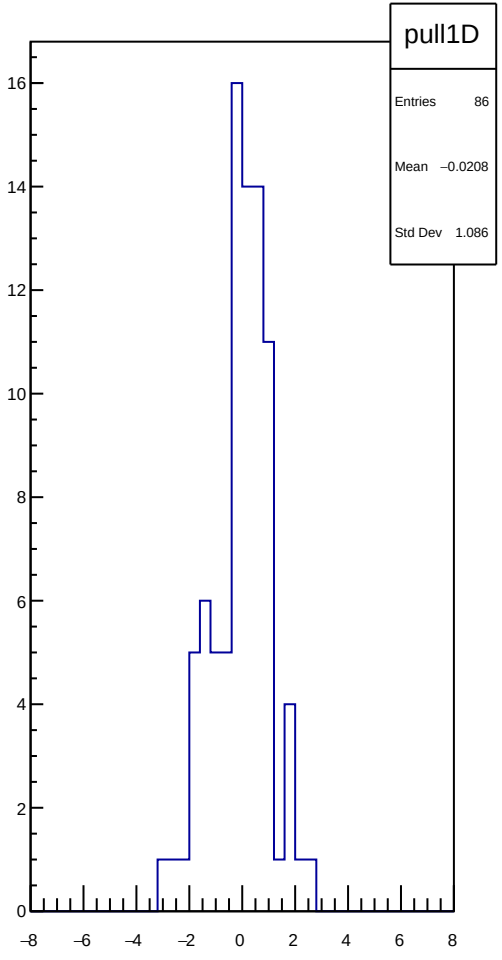

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 5893 / 85
p0 869.3 ± 0.6735
1000
950
900
850
800
750

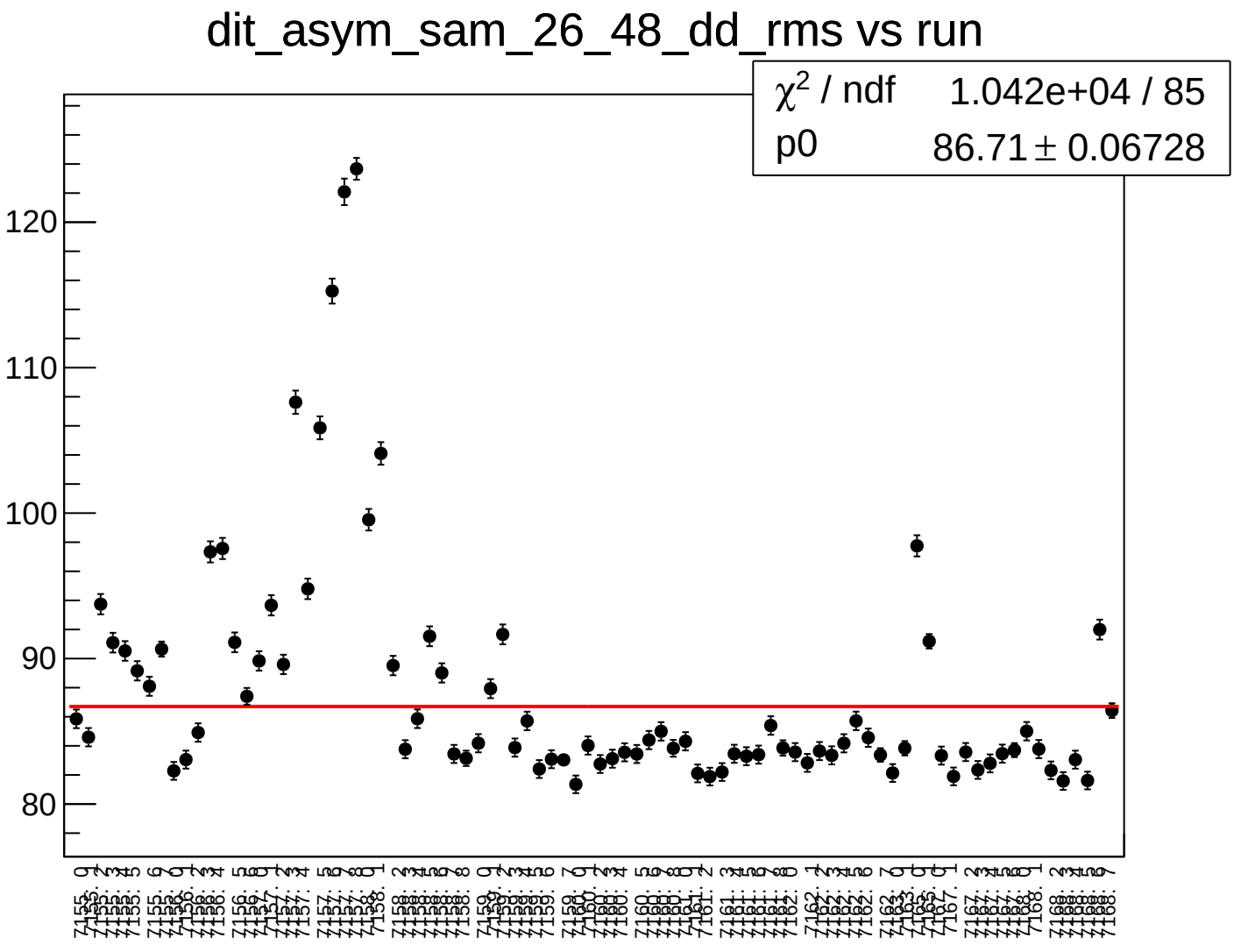

asym_sam_24_68_dd_mean vs run
χ² / ndf 65.41 / 85
p0 −790.5 ± 942.7
pull
Entries 86
Mean −12.19
Std Dev 94.6

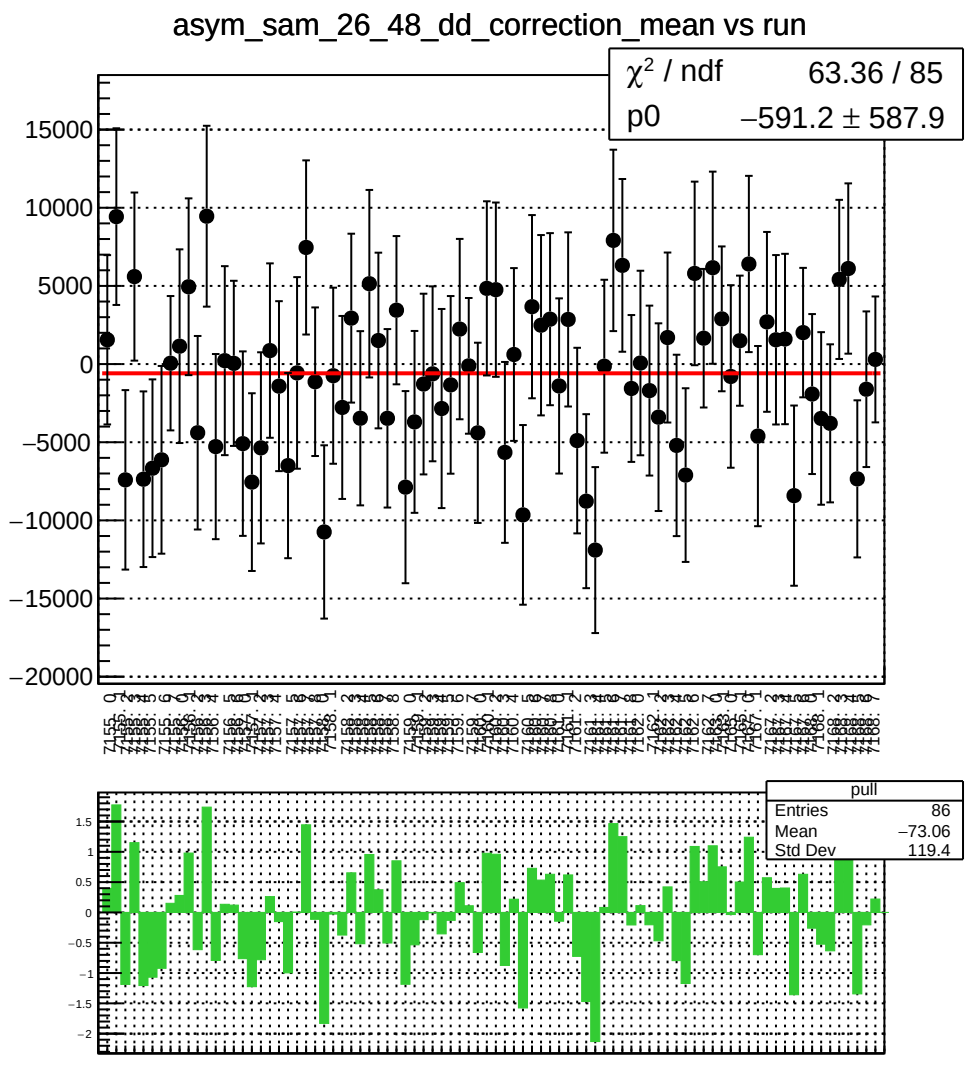

pull1D
Entries 86
Mean −0.015
Std Dev 0.872

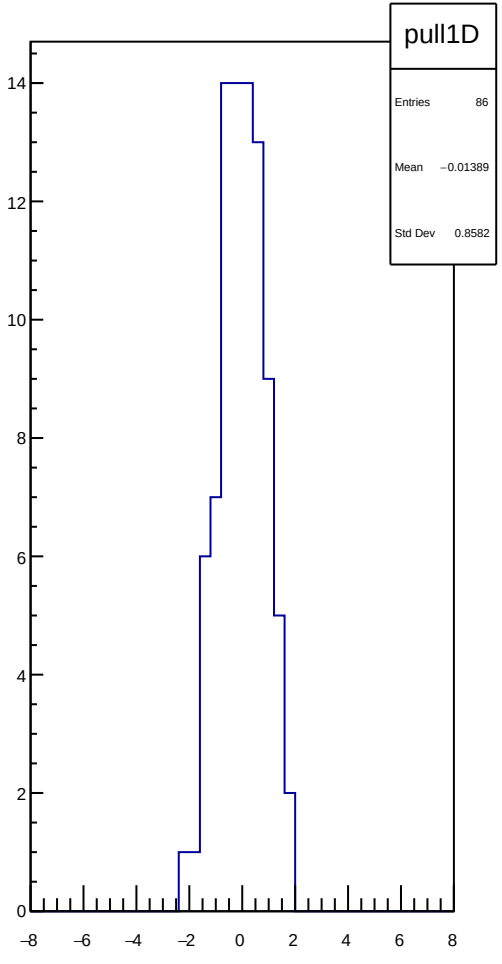

asym_sam_24_68_dd_rms vs run
χ² / ndf 6267 / 85
p0 860.2 ± 0.6666
1000
950
900
850
800
750

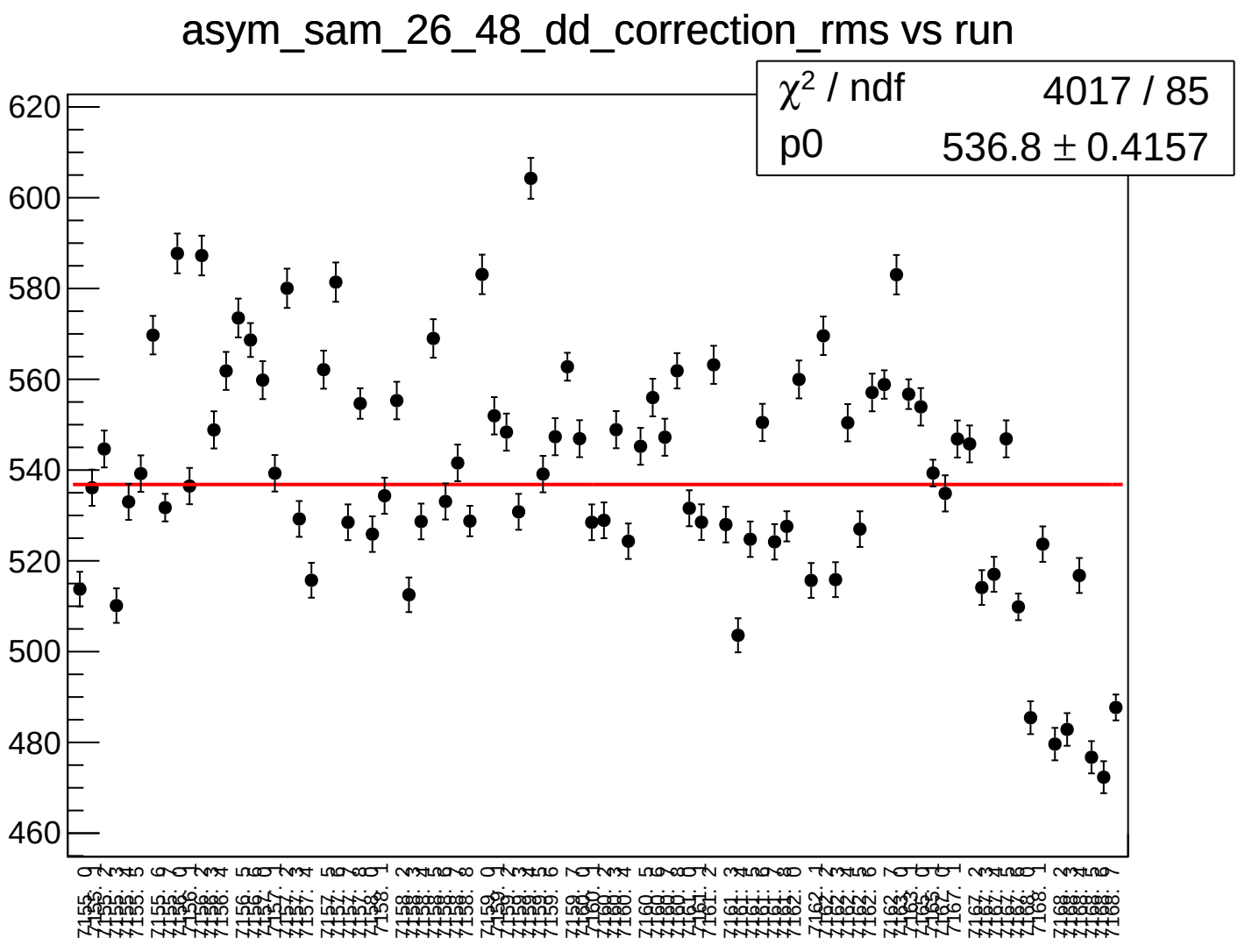

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 101.5 / 85
p0 93.81 ± 95.14
pull
Entries 86
Mean 6.508
Std Dev 35.74

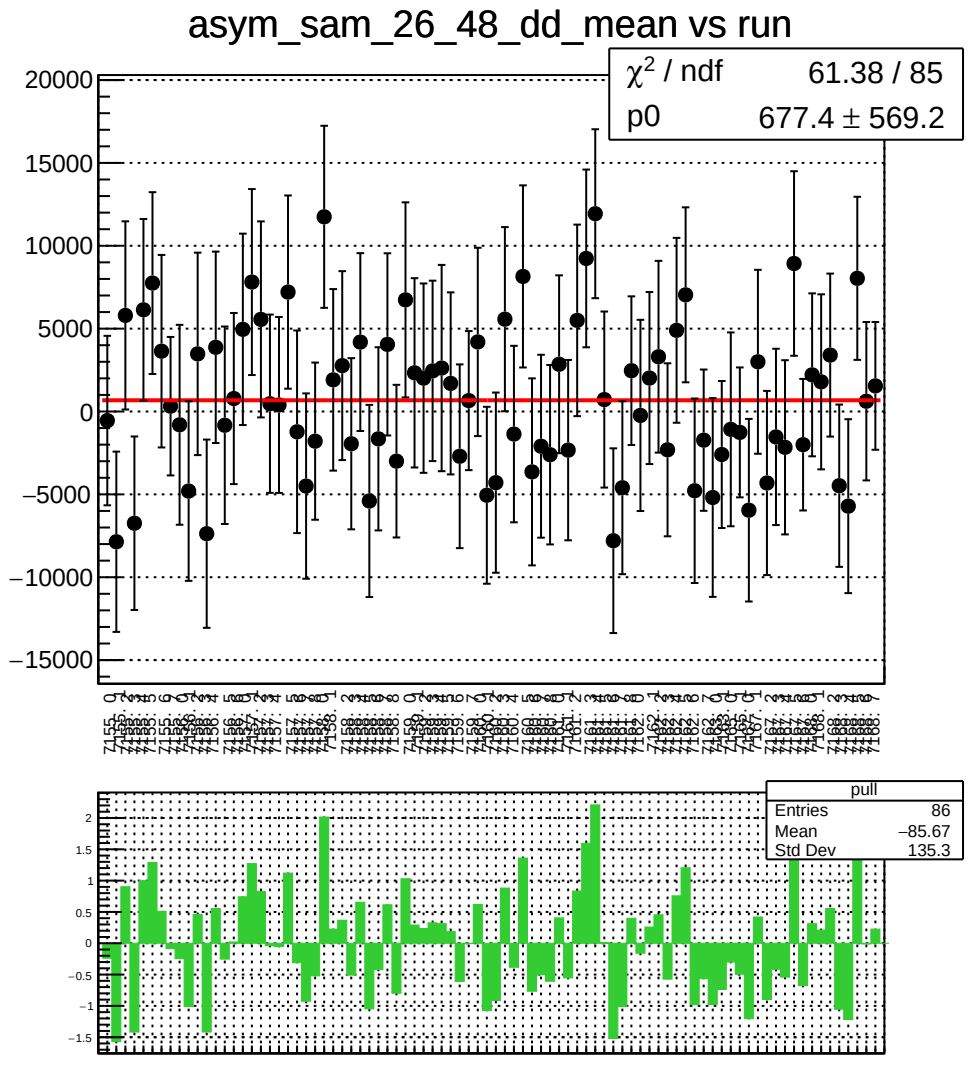

pull1D
Entries 86
Mean −0.0208
Std Dev 1.086

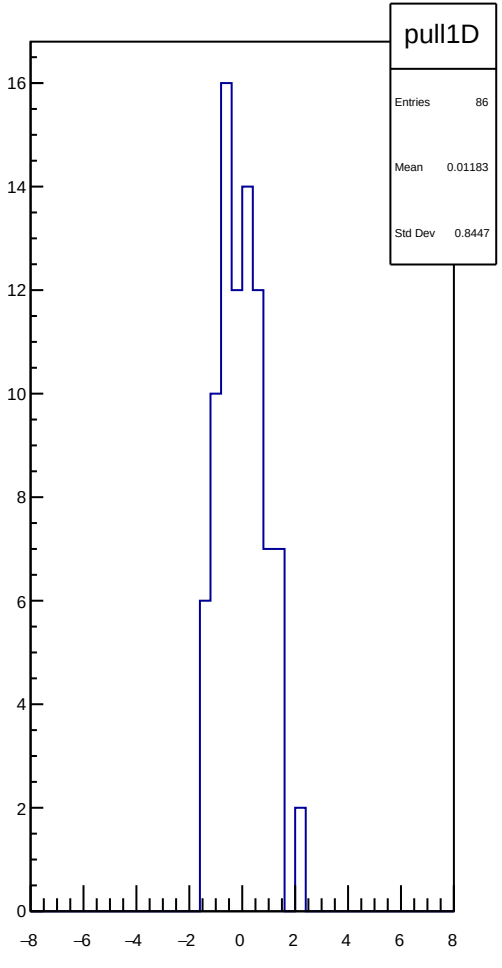

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.042e+04 / 85
p0 86.71 ± 0.06728
120
110
100
90
80

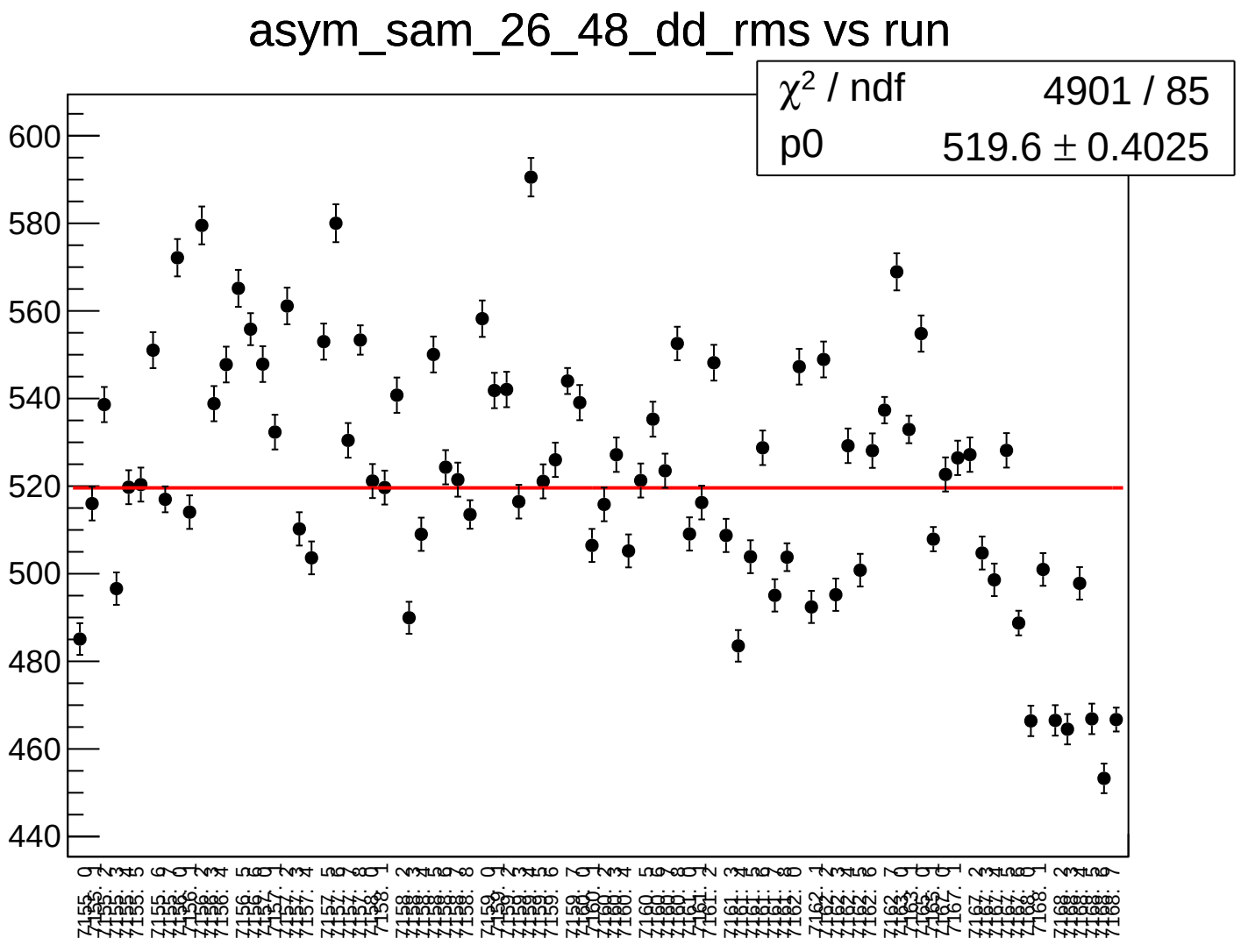

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 63.36 / 85
p0 −591.2 ± 587.9
pull
Entries 86
Mean −73.06
Std Dev 119.4

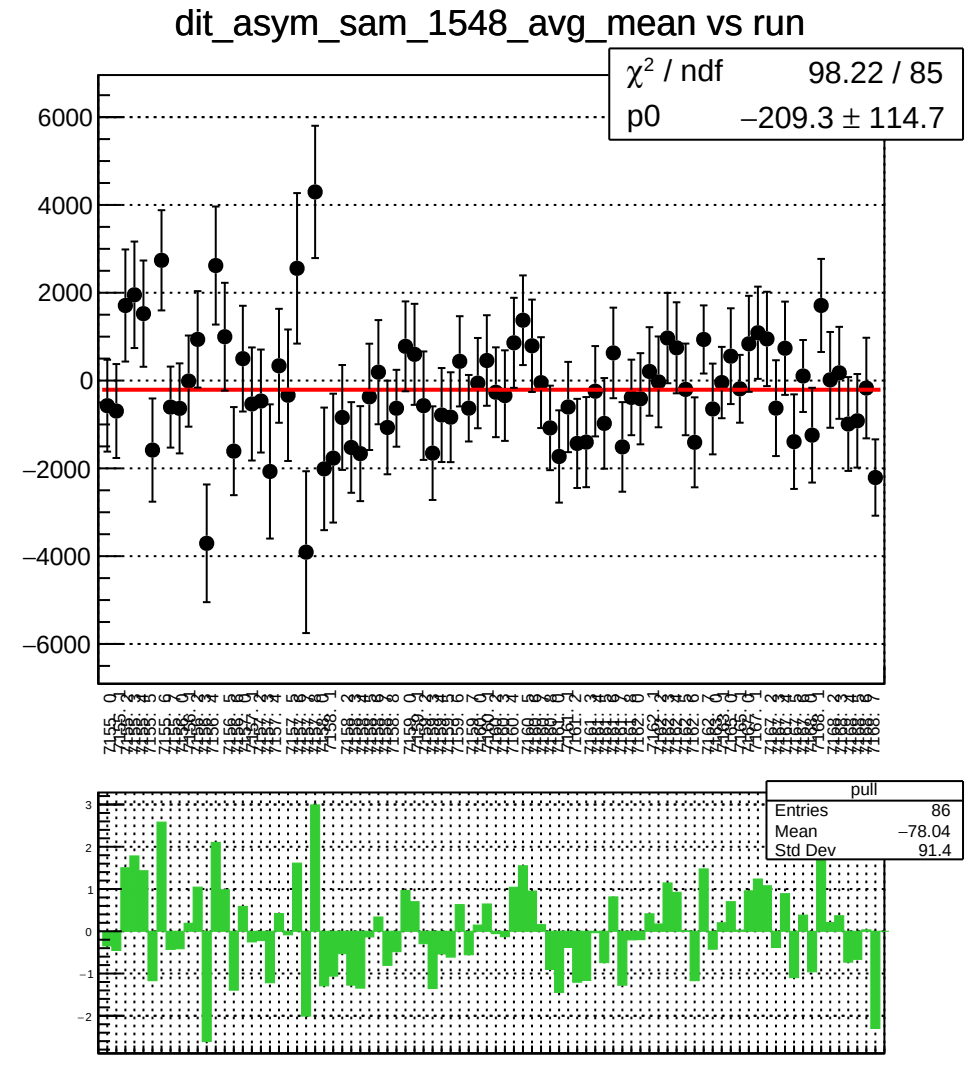

pull1D
Entries 86
Mean −0.01389
Std Dev 0.8582

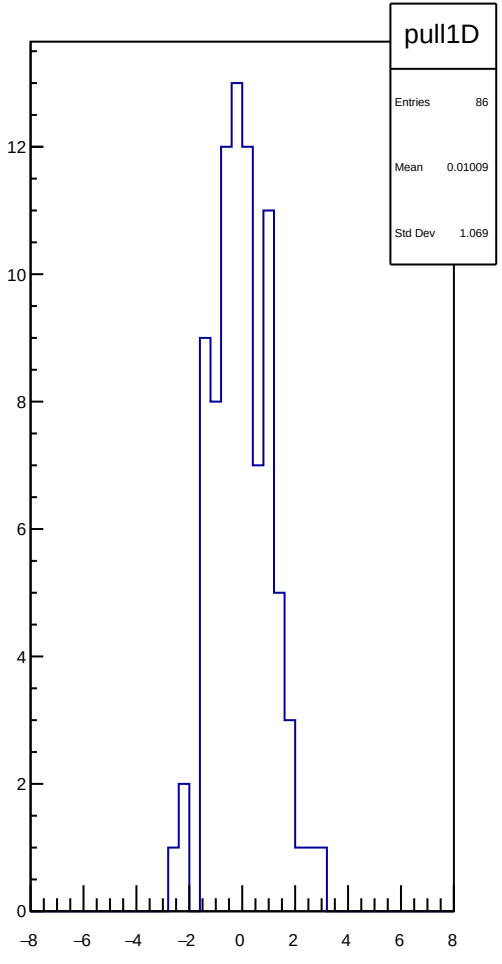

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 4017 / 85
p0 536.8 ± 0.4157
620
600
580
560
540
520
500
480
460

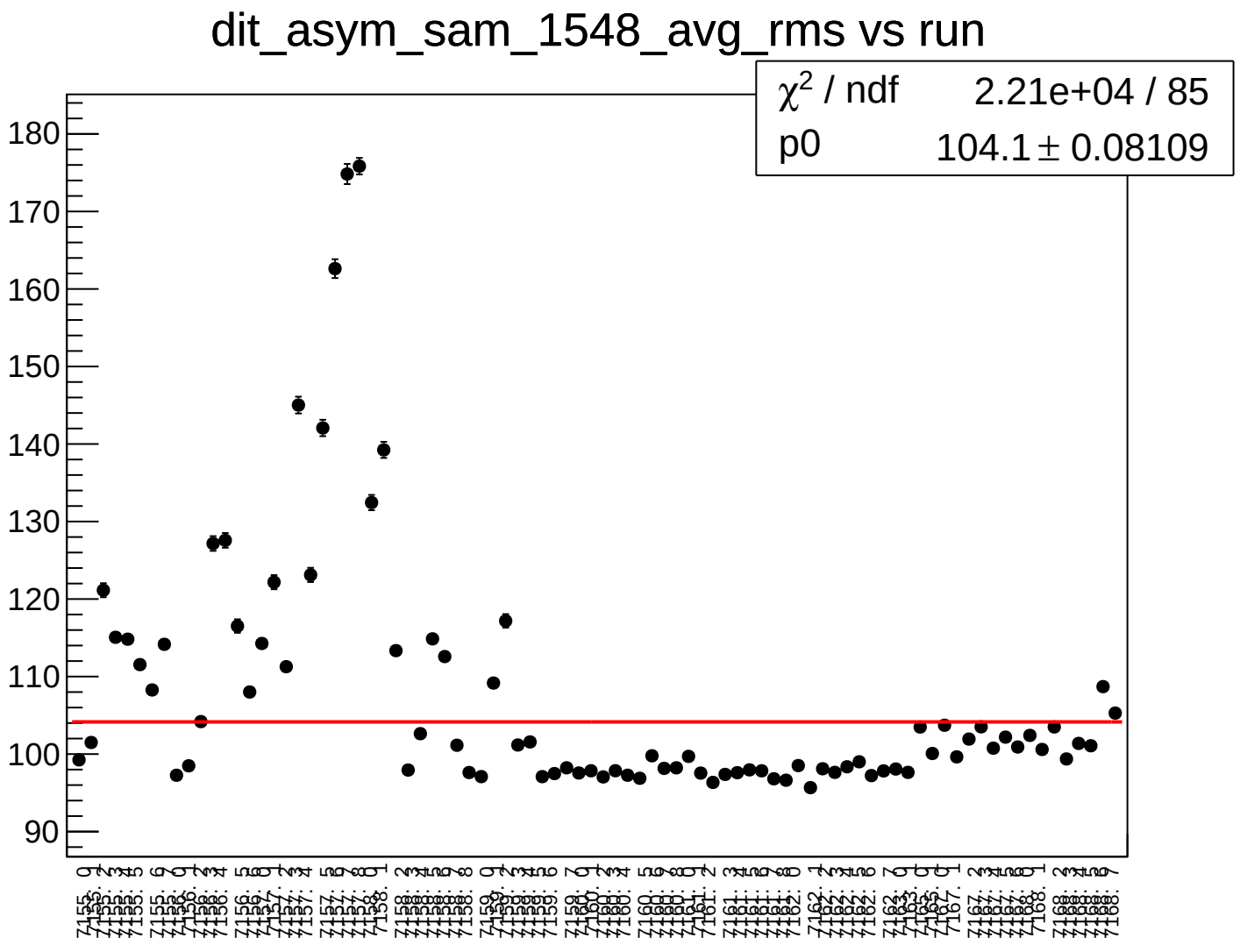

asym_sam_26_48_dd_mean vs run
χ² / ndf 61.38 / 85
p0 677.4 ± 569.2
pull
Entries 86
Mean −85.67
Std Dev 135.3

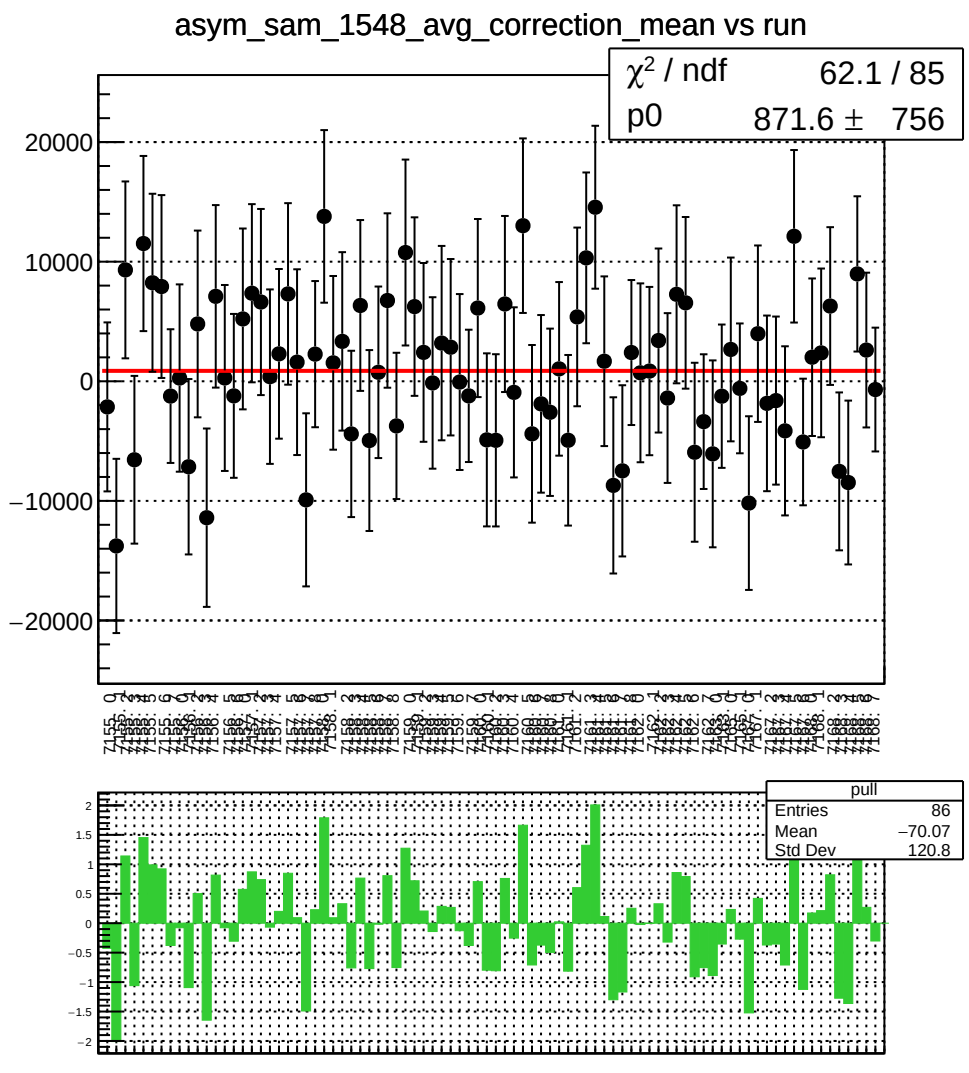

pull1D
Entries 86
Mean 0.01183
Std Dev 0.8447

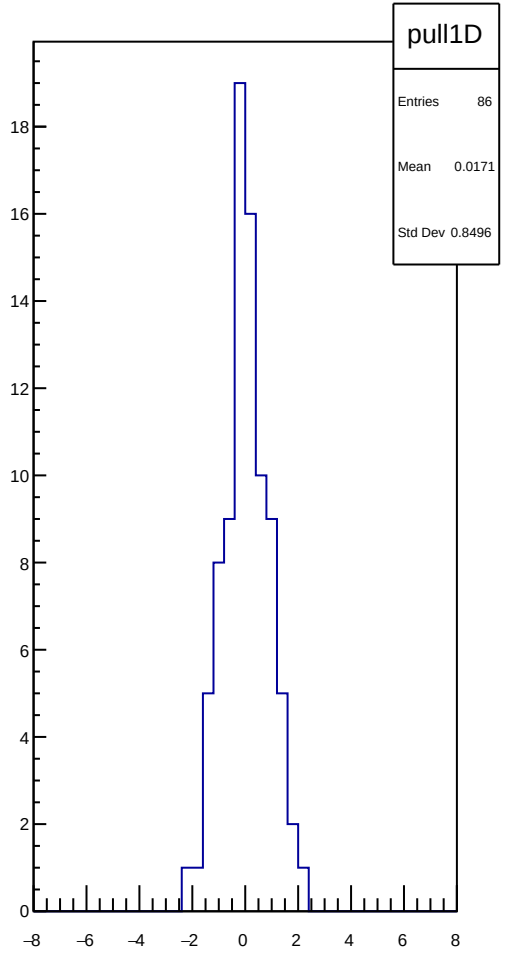

asym_sam_26_48_dd_rms vs run
χ² / ndf 4901 / 85
p0 519.6 ± 0.4025
600
580
560
540
520
500
480
460
440

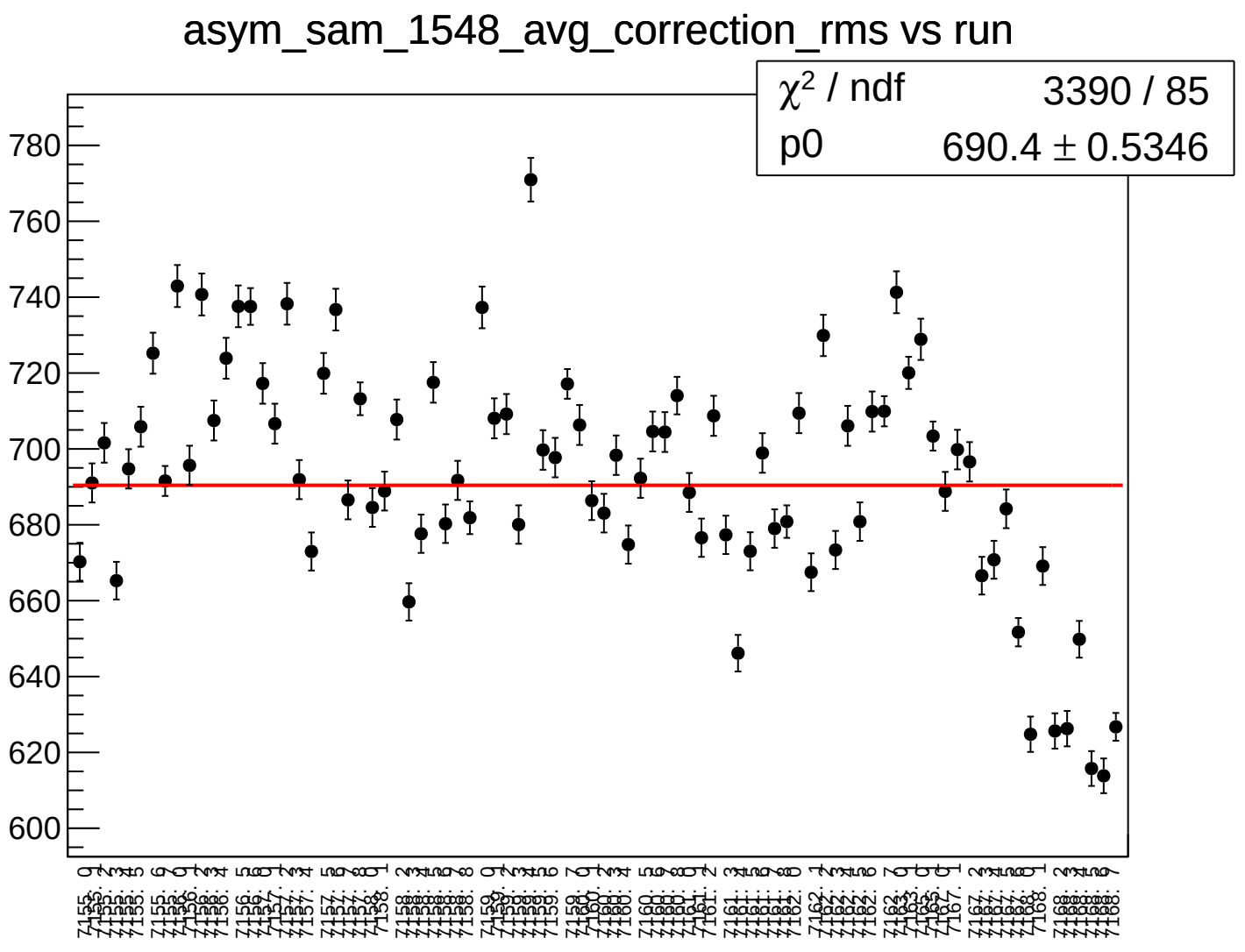

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 98.22 / 85
p0 −209.3 ± 114.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −78.04
Std Dev 91.4
3
2
1
0
−1
−2

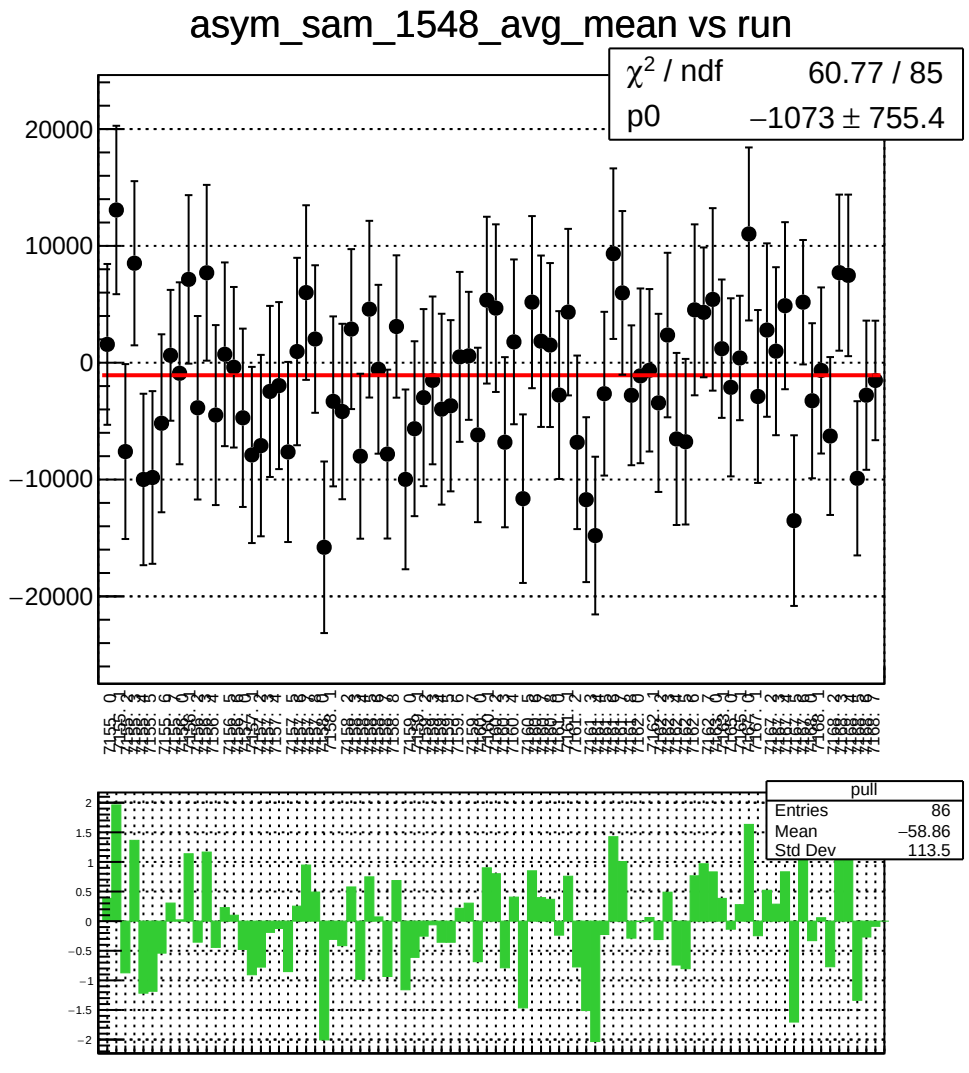

pull1D
Entries 86
Mean 0.01009
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

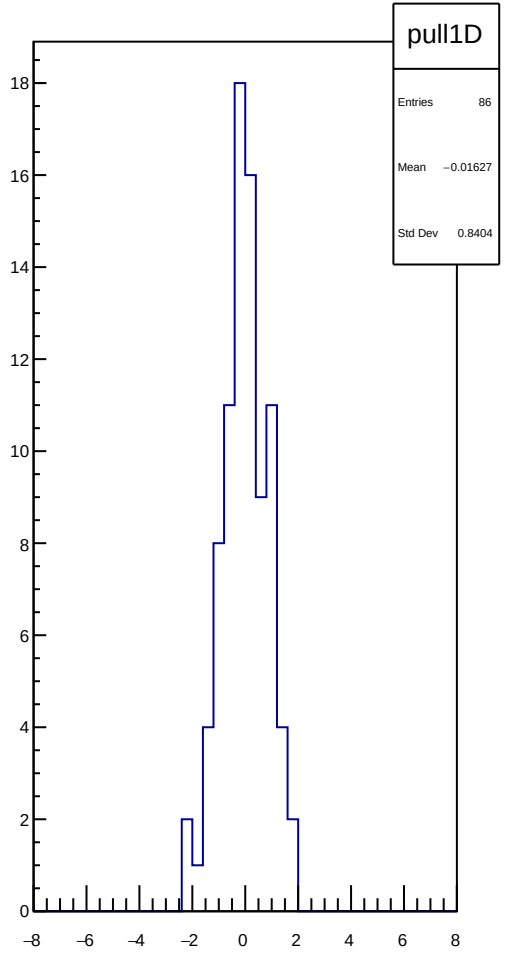

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.21e+04 / 85
p0 104.1 ± 0.08109
180
170
160
150
140
130
120
110
100
90

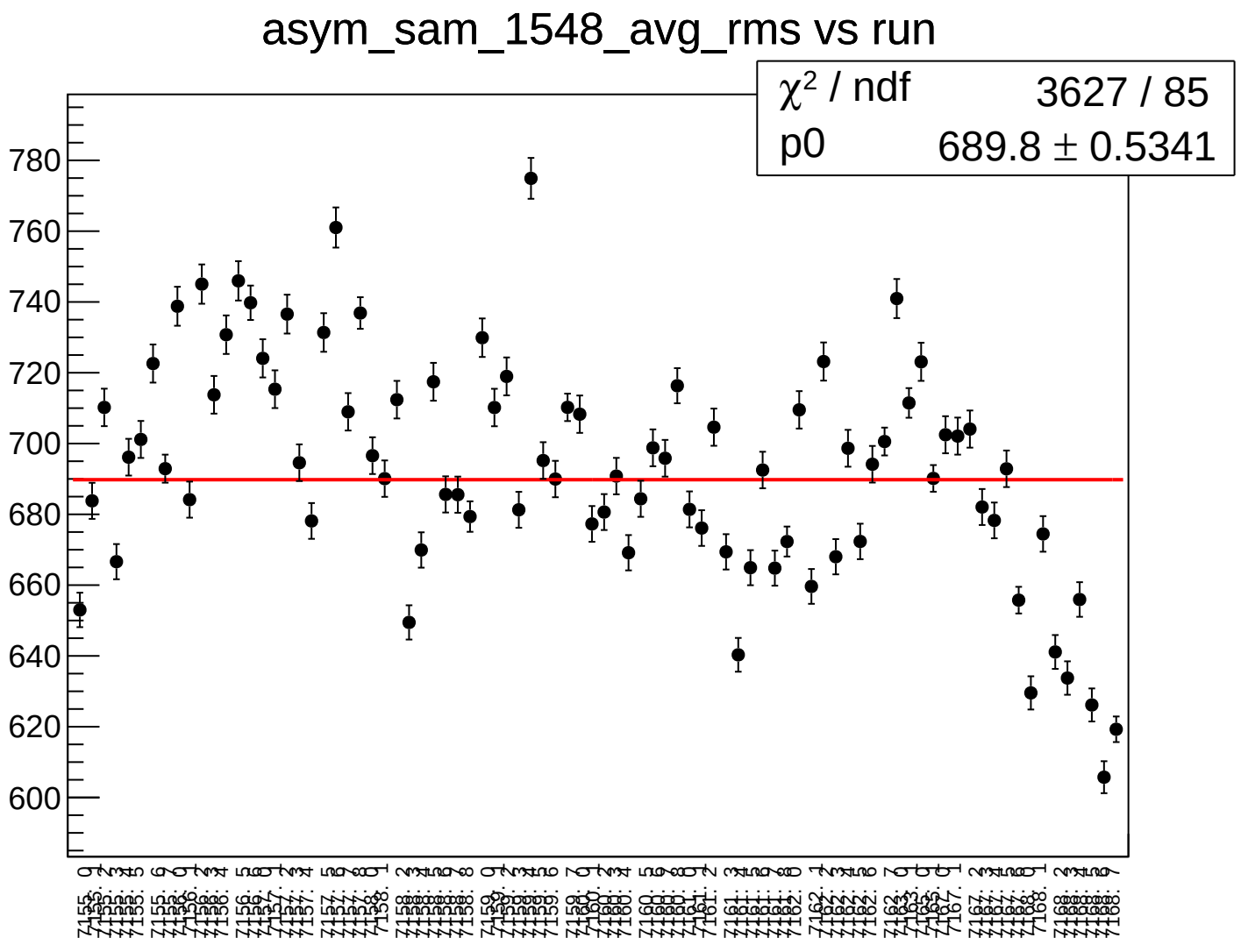

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 62.1 / 85
p0 871.6 ± 756
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −70.07
Std Dev 120.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

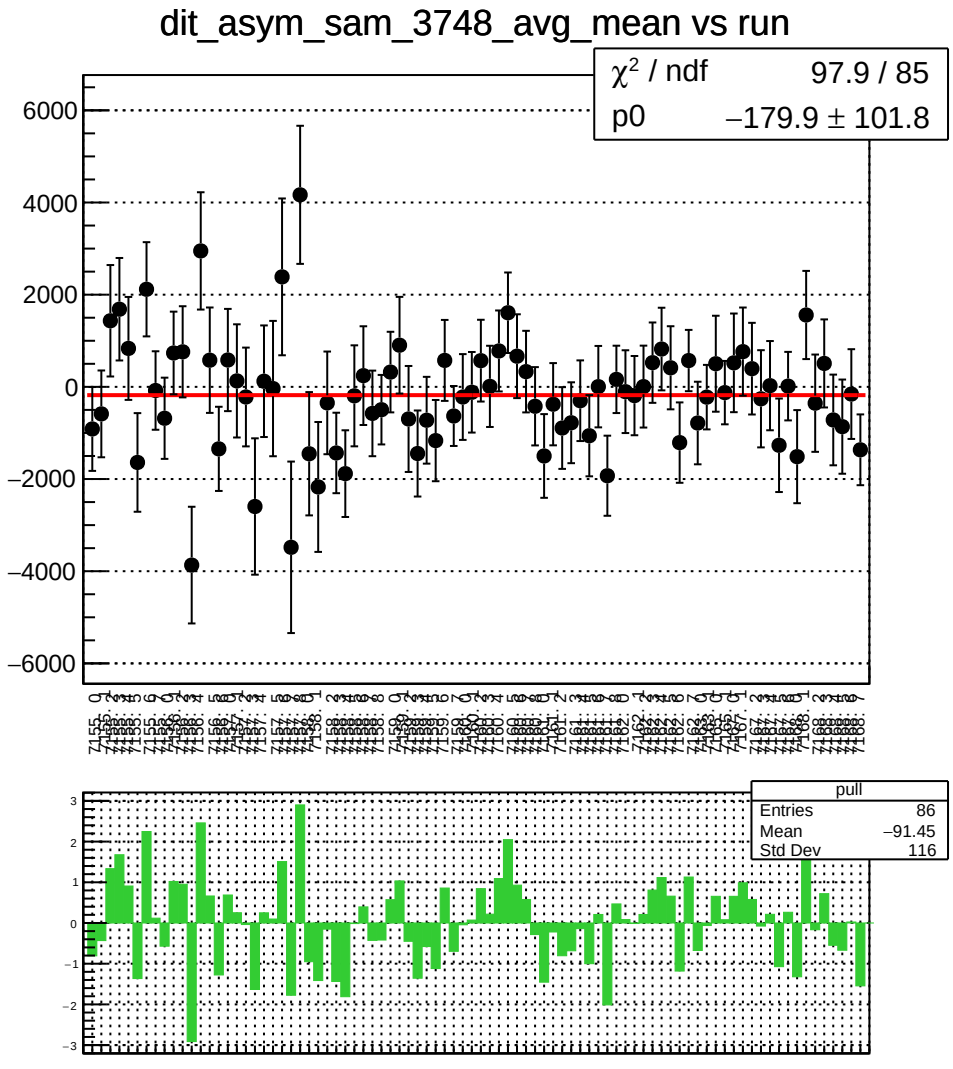

pull1D
Entries 86
Mean 0.0171
Std Dev 0.8496
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

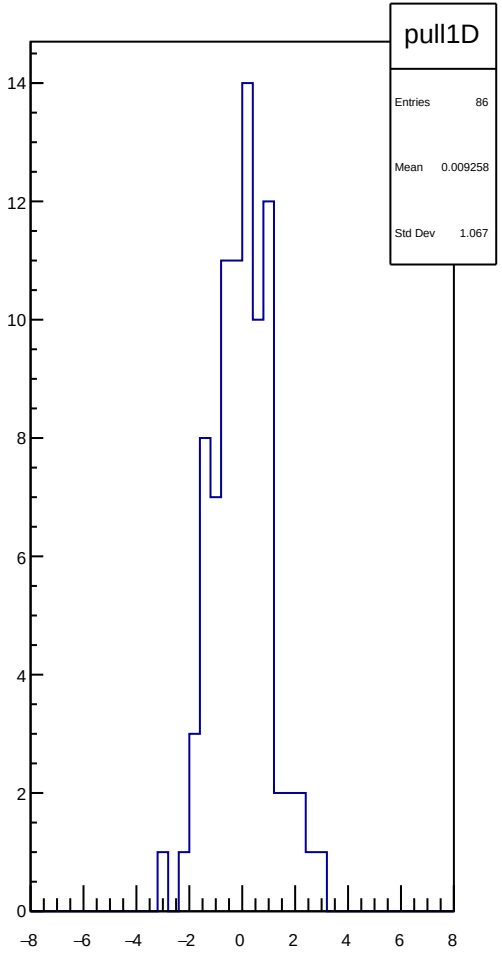

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3390 / 85
p0 690.4 ± 0.5346
780
760
740
720
700
680
660
640
620
600

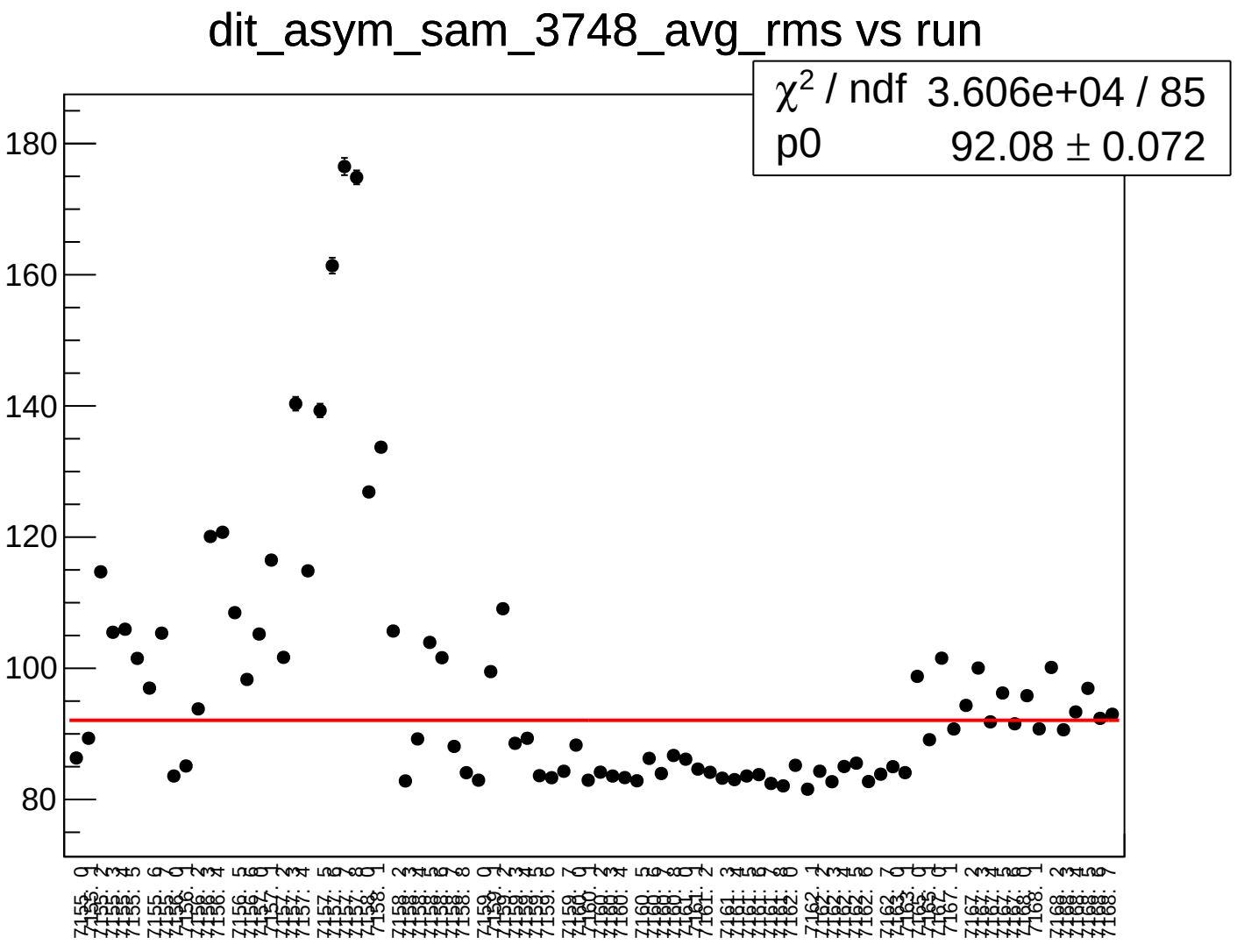

asym_sam_1548_avg_mean vs run
χ² / ndf 60.77 / 85
p0 −1073 ± 755.4
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −58.86
Std Dev 113.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

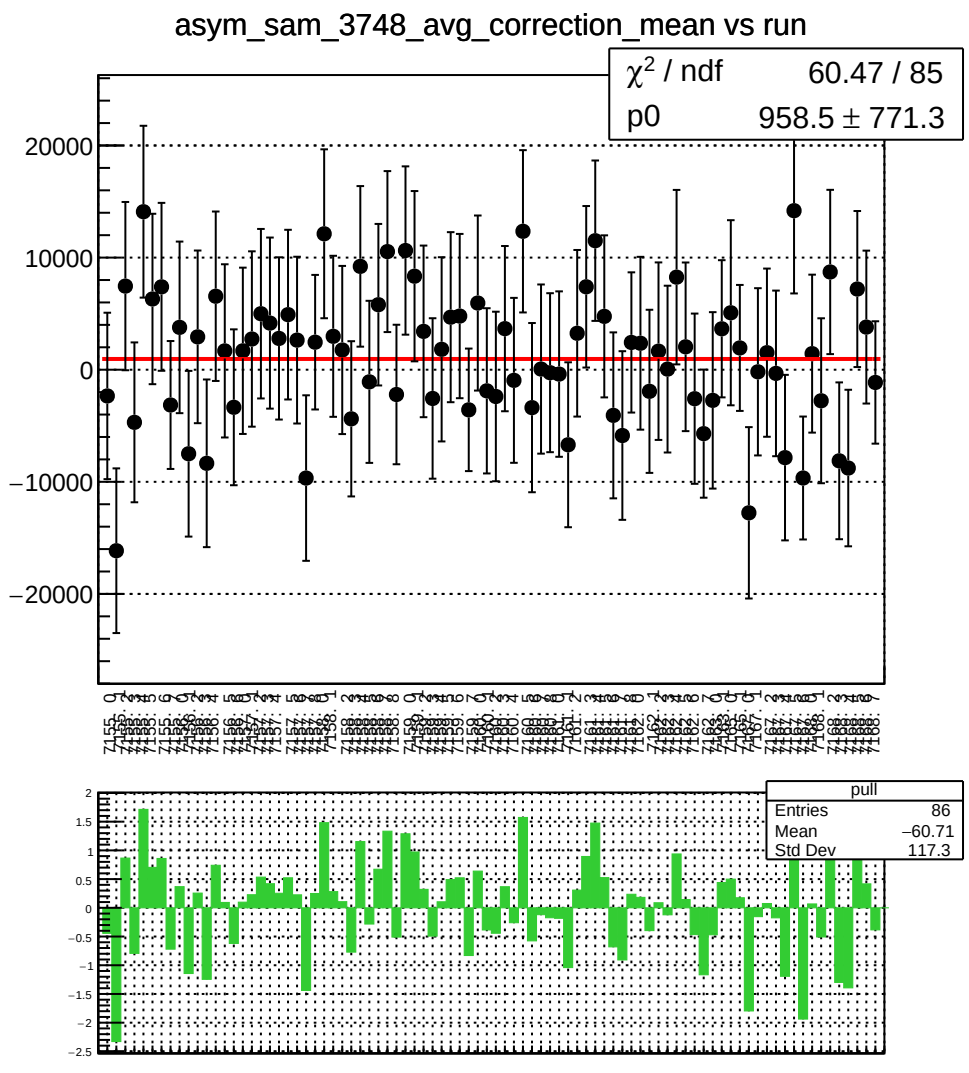

pull1D
Entries 86
Mean −0.01627
Std Dev 0.8404
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

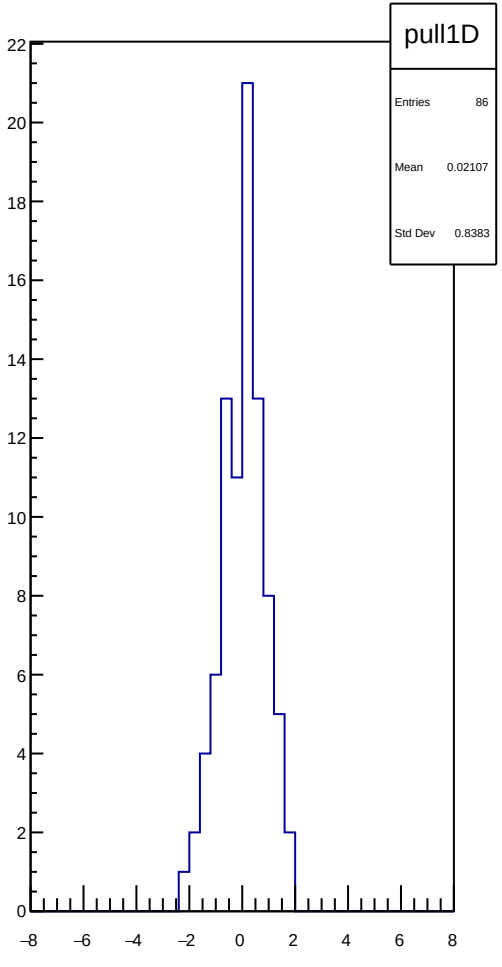

asym_sam_1548_avg_rms vs run
χ² / ndf 3627 / 85
p0 689.8 ± 0.5341
780
760
740
720
700
680
660
640
620
600

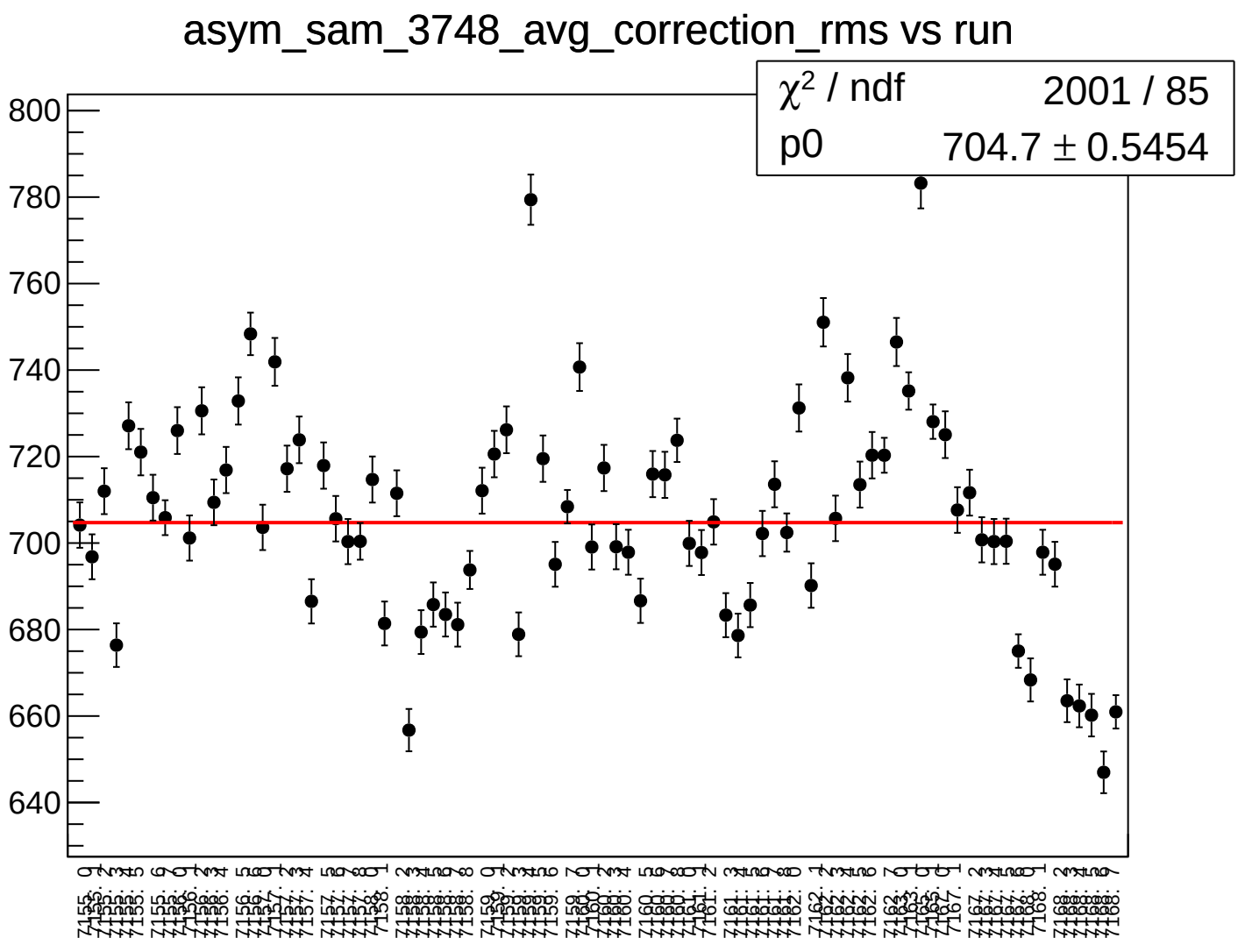

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 97.9 / 85
p0 −179.9 ± 101.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −91.45
Std Dev 116
3
2
1
0
−1
−2
−3

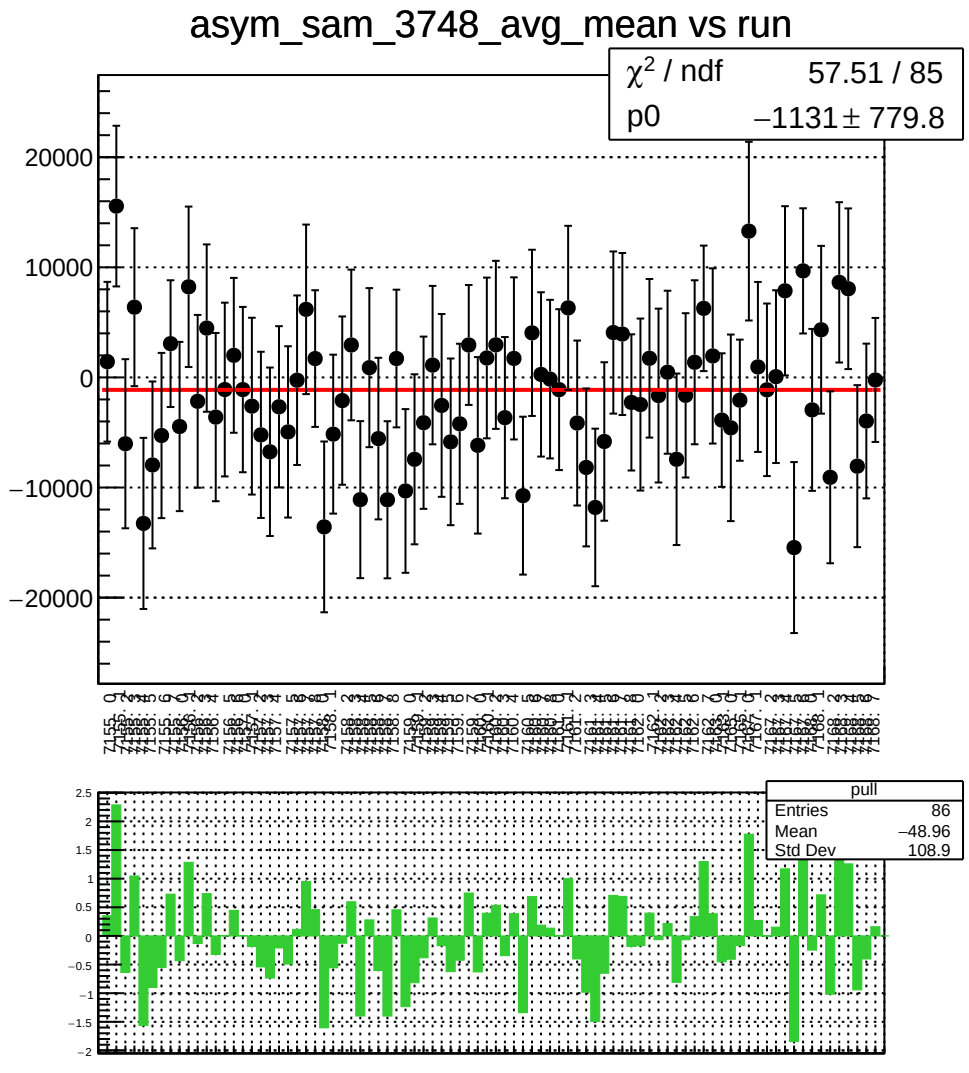

pull1D
Entries 86
Mean 0.009258
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

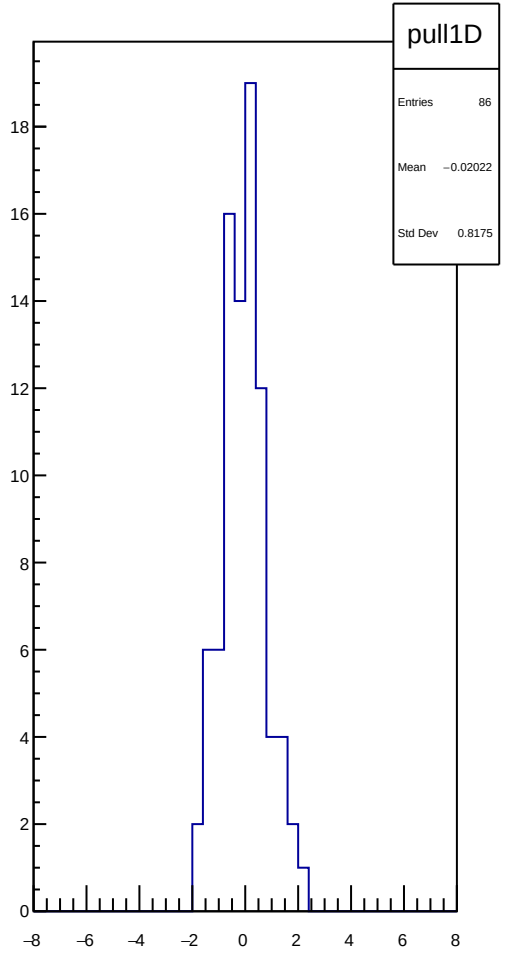

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3.606e+04 / 85
p0 92.08 ± 0.072
180
160
140
120
100
80

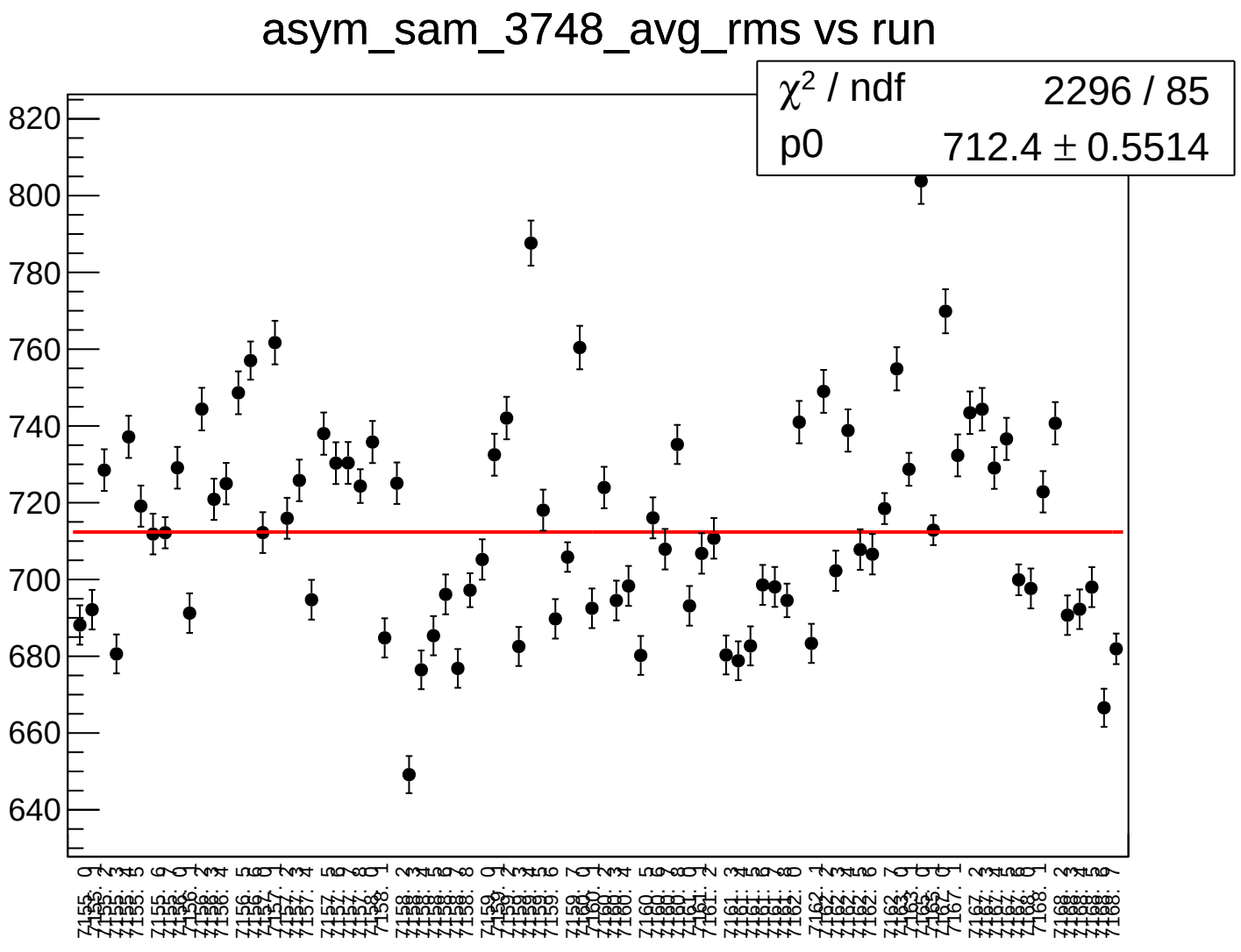

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 60.47 / 85
p0 958.5 ± 771.3
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −60.71
Std Dev 117.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

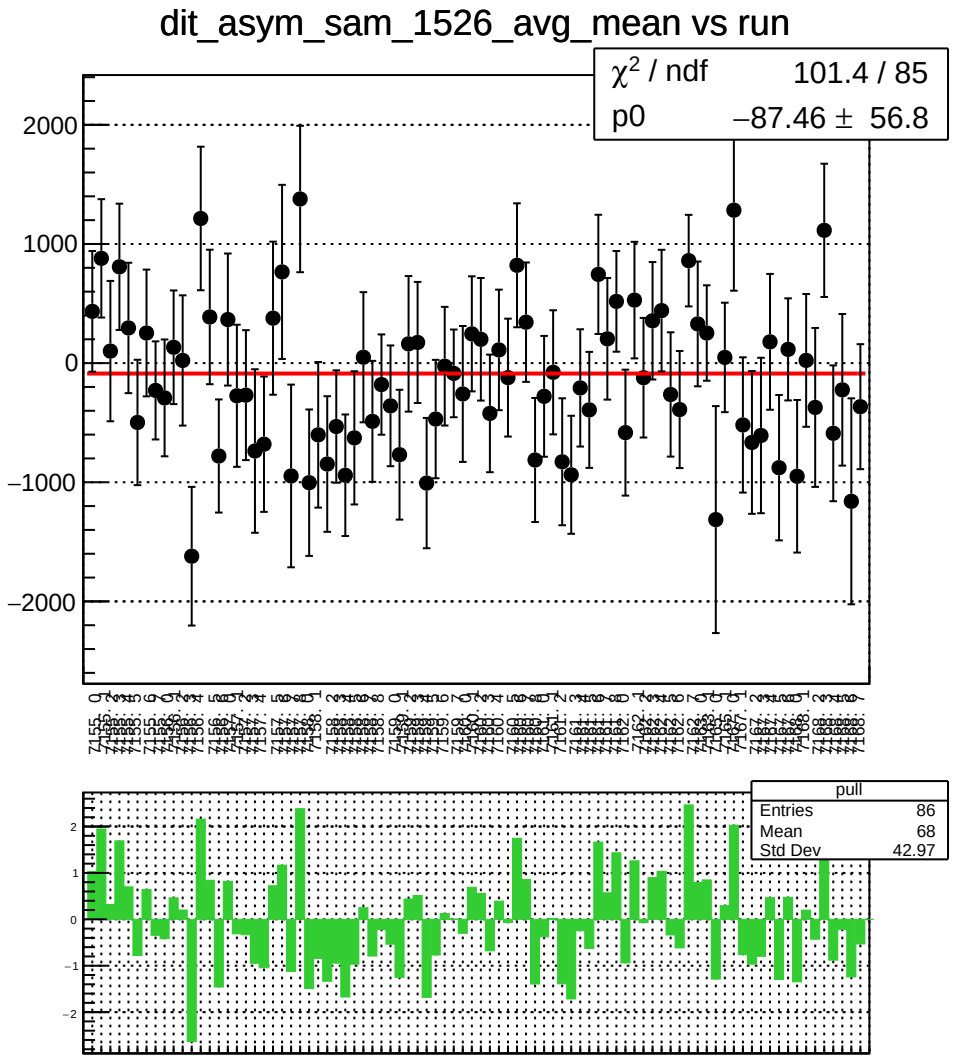

pull1D
Entries 86
Mean 0.02107
Std Dev 0.8383
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

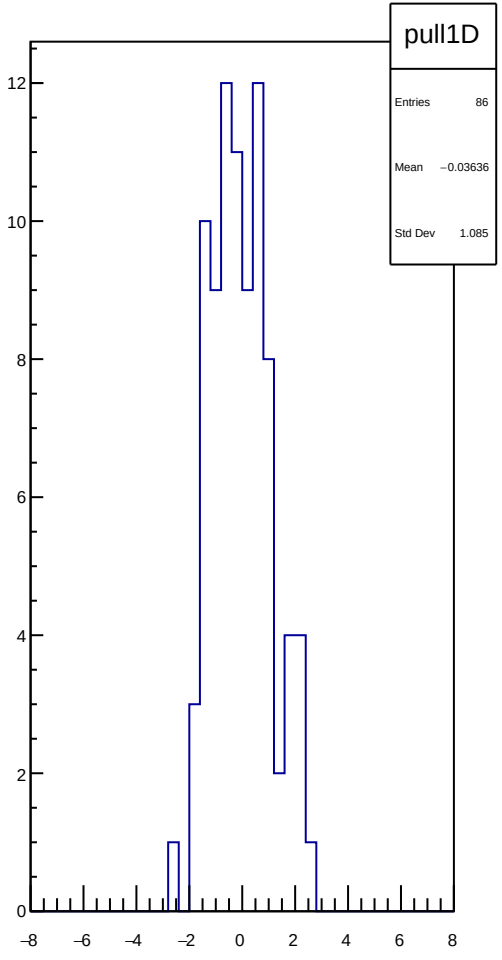

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2001 / 85
p0 704.7 ± 0.5454
800
780
760
740
720
700
680
660
640

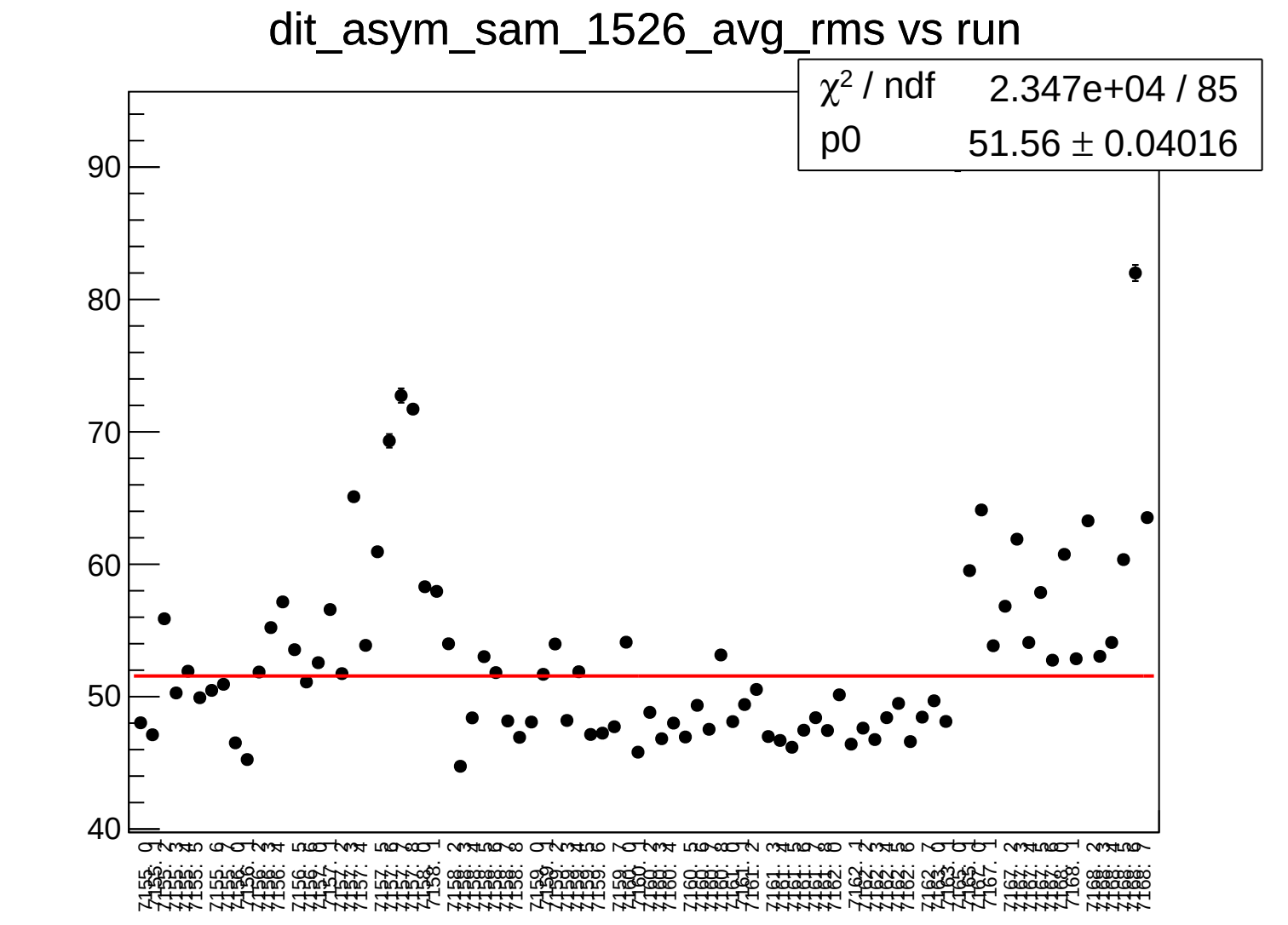

asym_sam_3748_avg_mean vs run
χ² / ndf 57.51 / 85
p0 −1131 ± 779.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −48.96
Std Dev 108.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

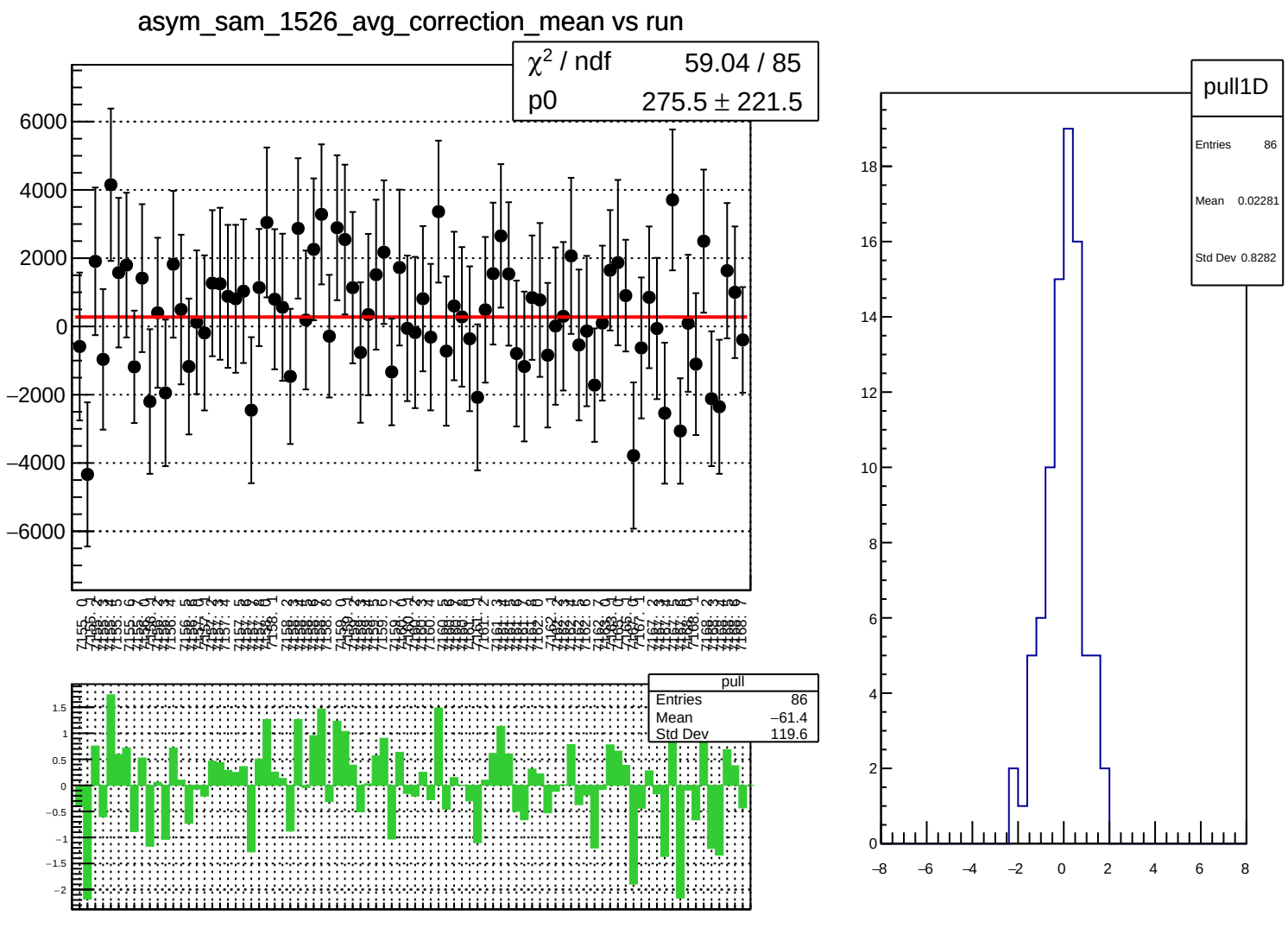

pull1D
Entries 86
Mean −0.02022
Std Dev 0.8175
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

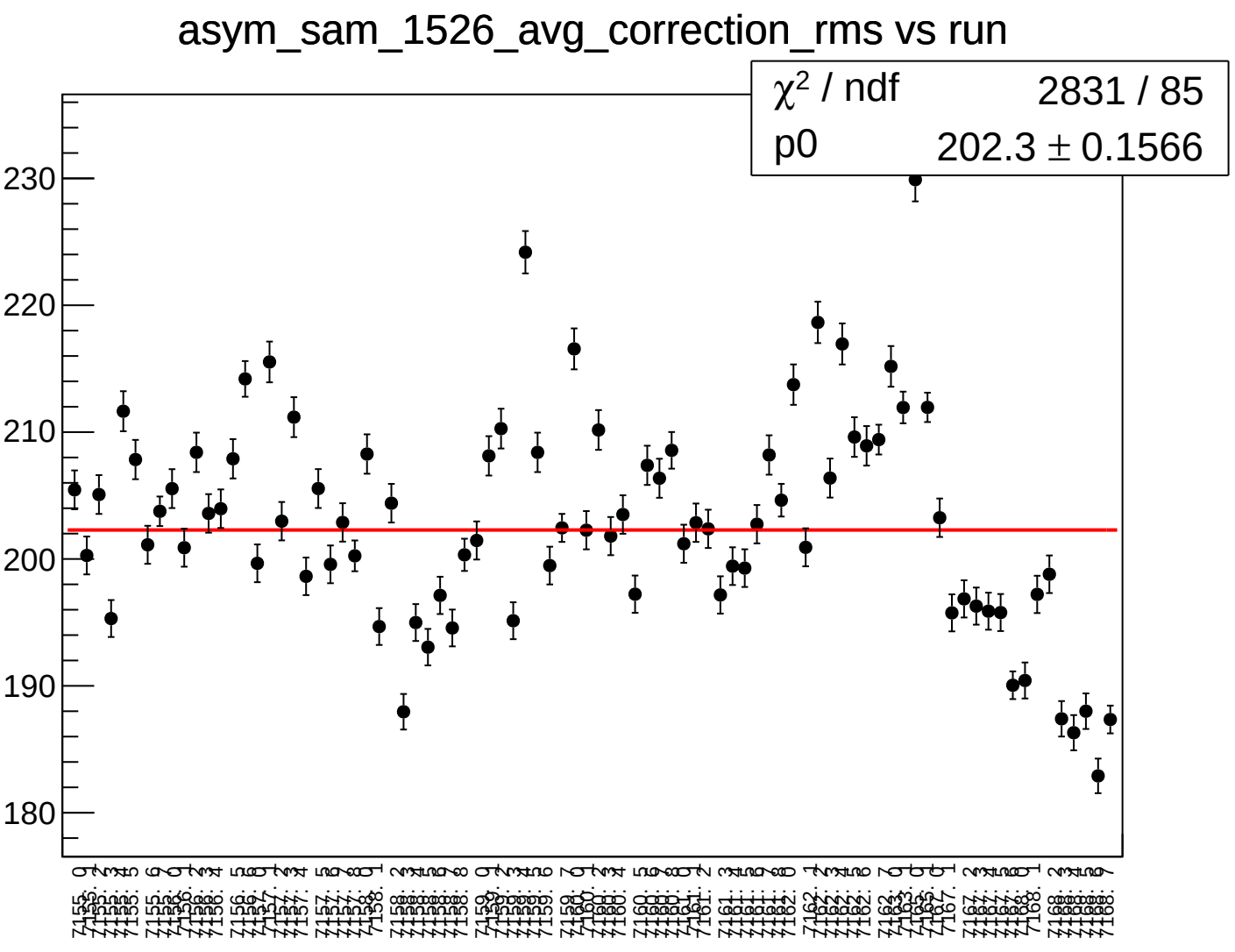

asym_sam_3748_avg_rms vs run
χ² / ndf 2296 / 85
p0 712.4 ± 0.5514
820
800
780
760
740
720
700
680
660
640

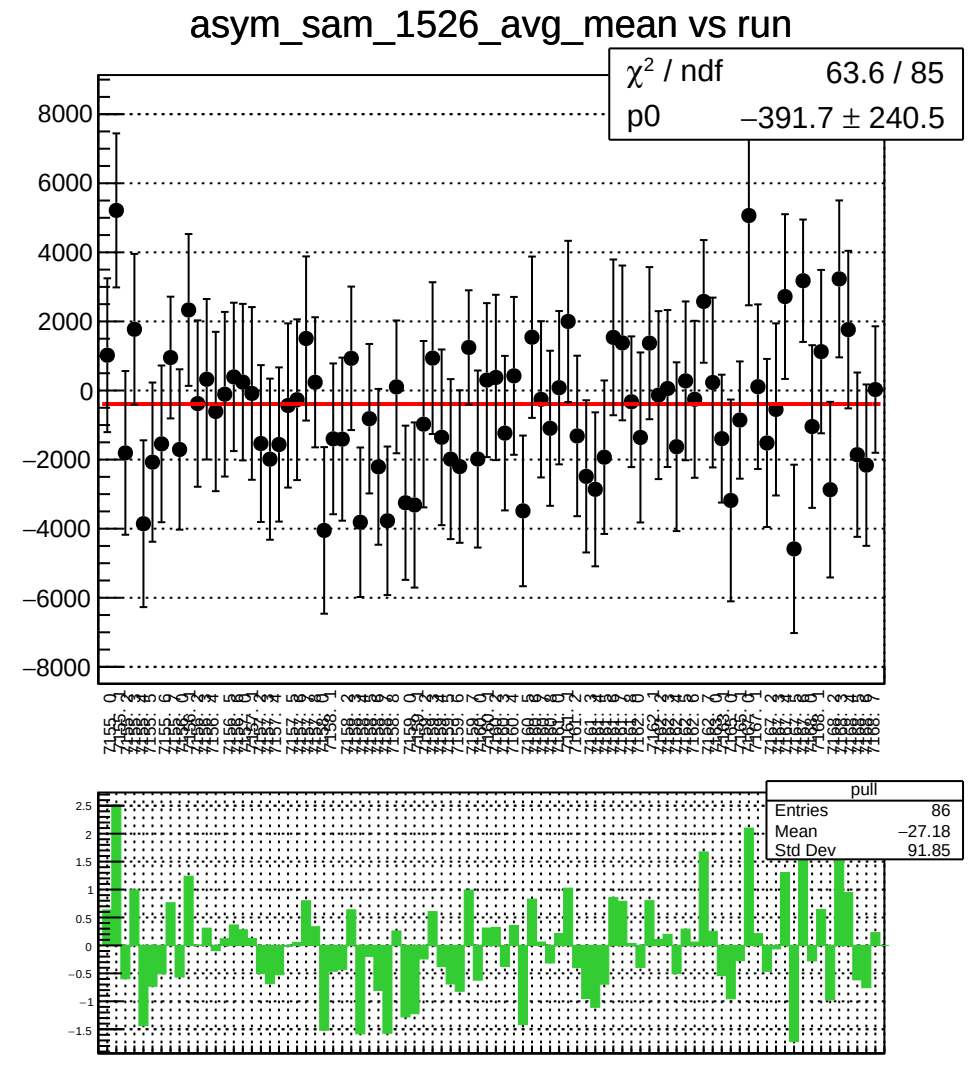

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 101.4 / 85
p0 −87.46 ± 56.8
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 68
Std Dev 42.97
2
1
0
−1
−2

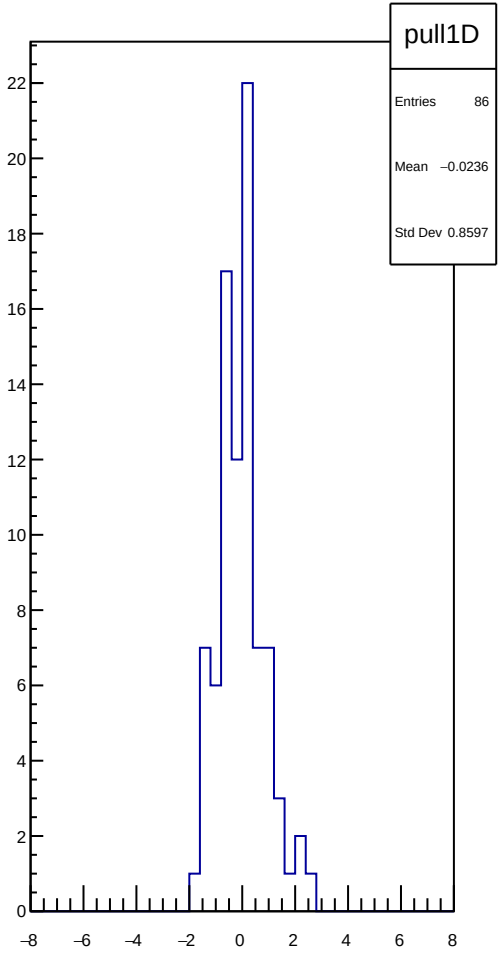

pull1D
Entries 86
Mean −0.03636
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

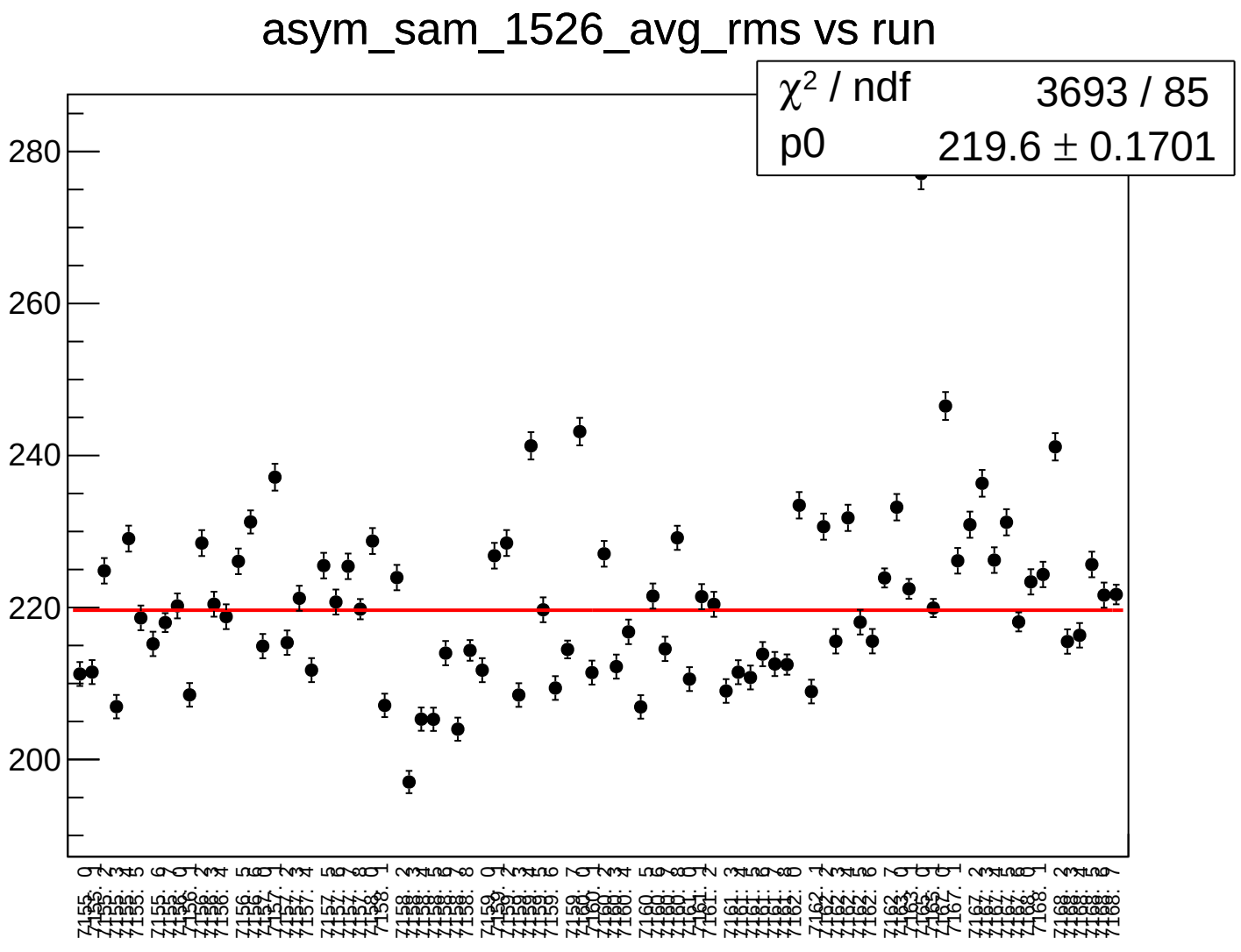

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.347e+04 / 85
p0 51.56 ± 0.04016
90
80
70
60
50
40

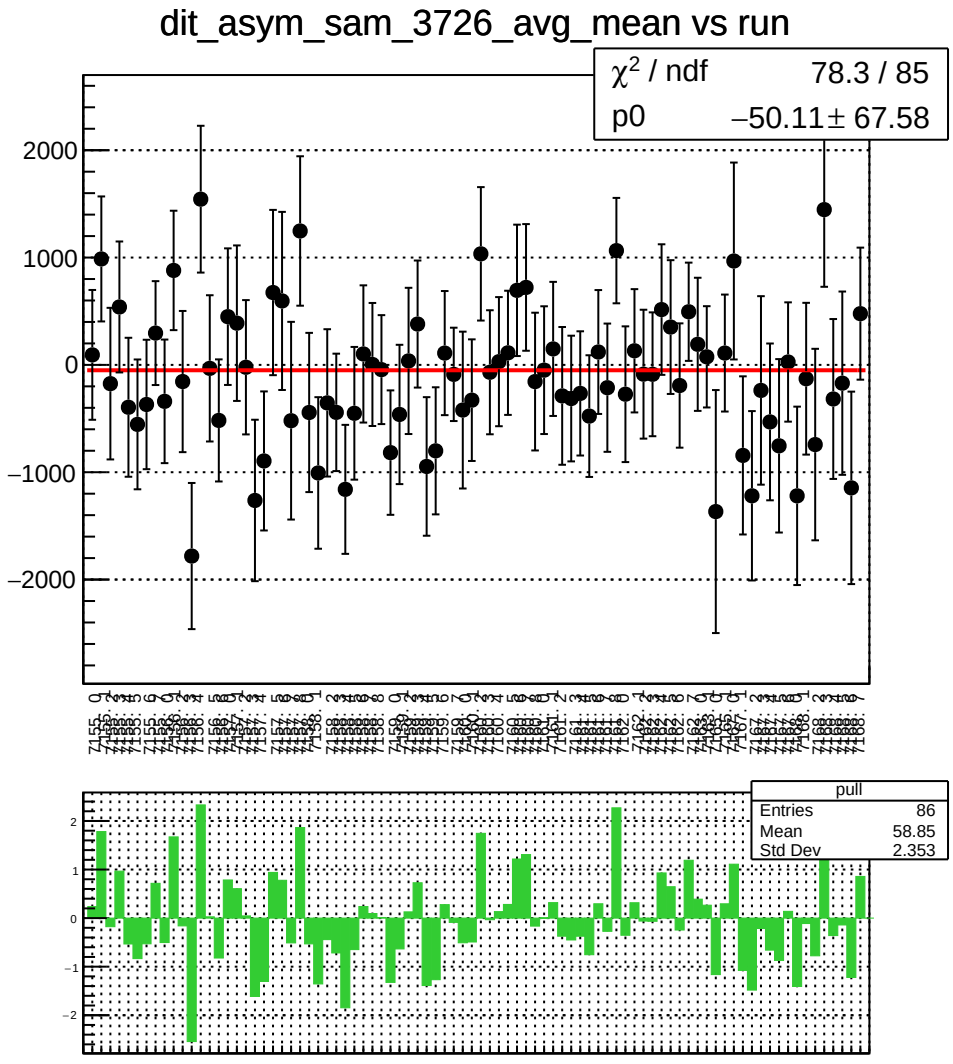

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 59.04 / 85
p0 275.5 ± 221.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −61.4
Std Dev 119.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.02281
Std Dev 0.8282
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

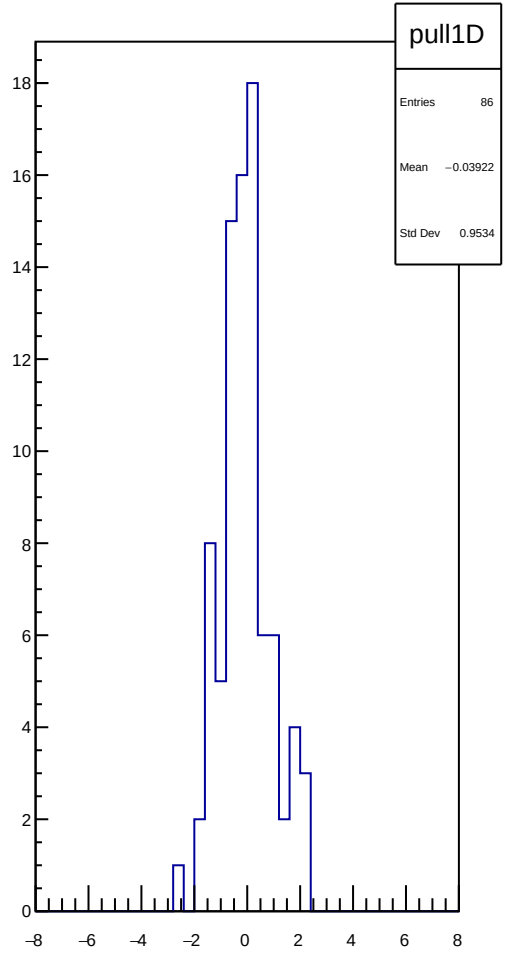

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2831 / 85
p0 202.3 ± 0.1566
230
220
210
200
190
180

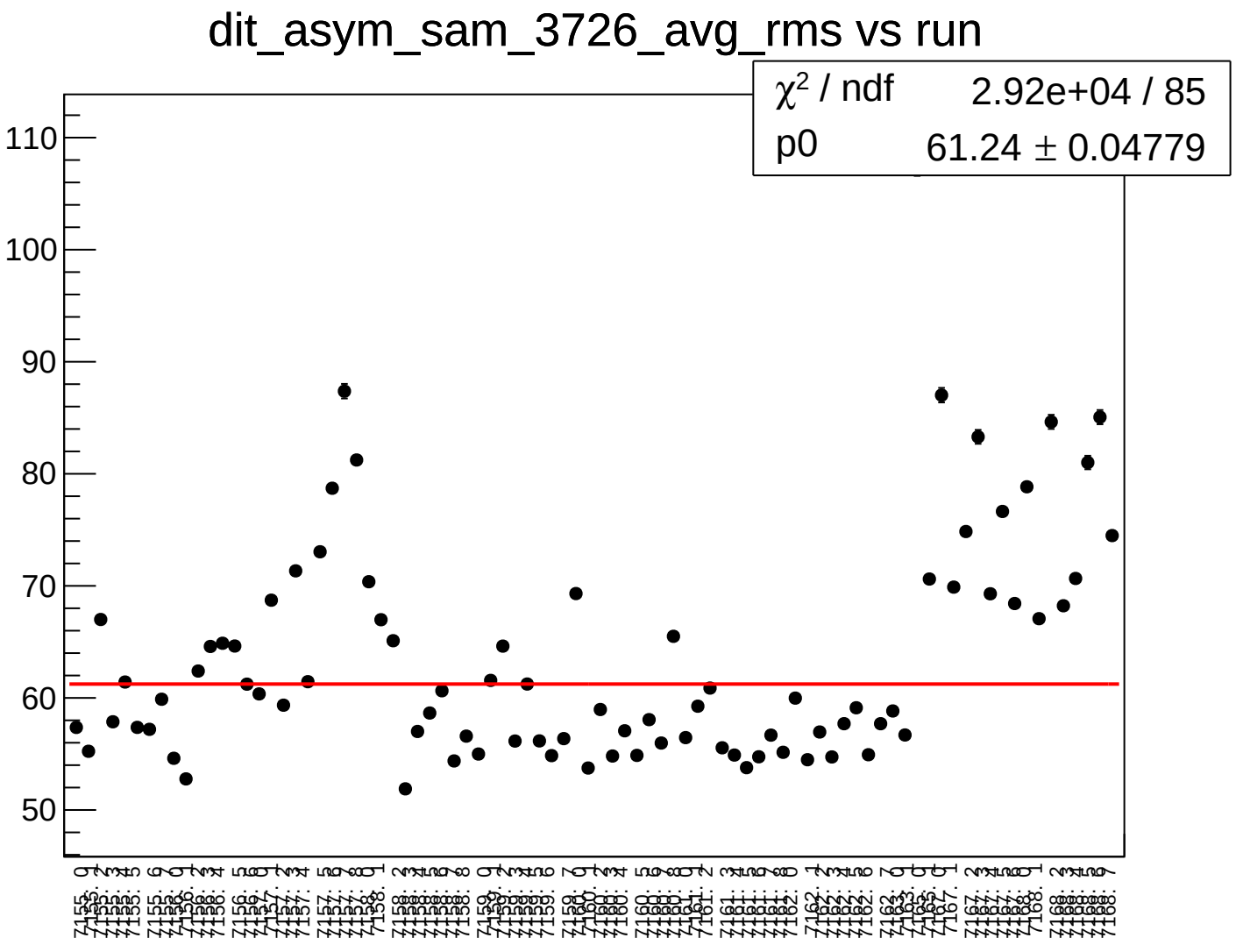

asym_sam_1526_avg_mean vs run
χ² / ndf 63.6 / 85
p0 −391.7 ± 240.5
pull
Entries 86
Mean −27.18
Std Dev 91.85

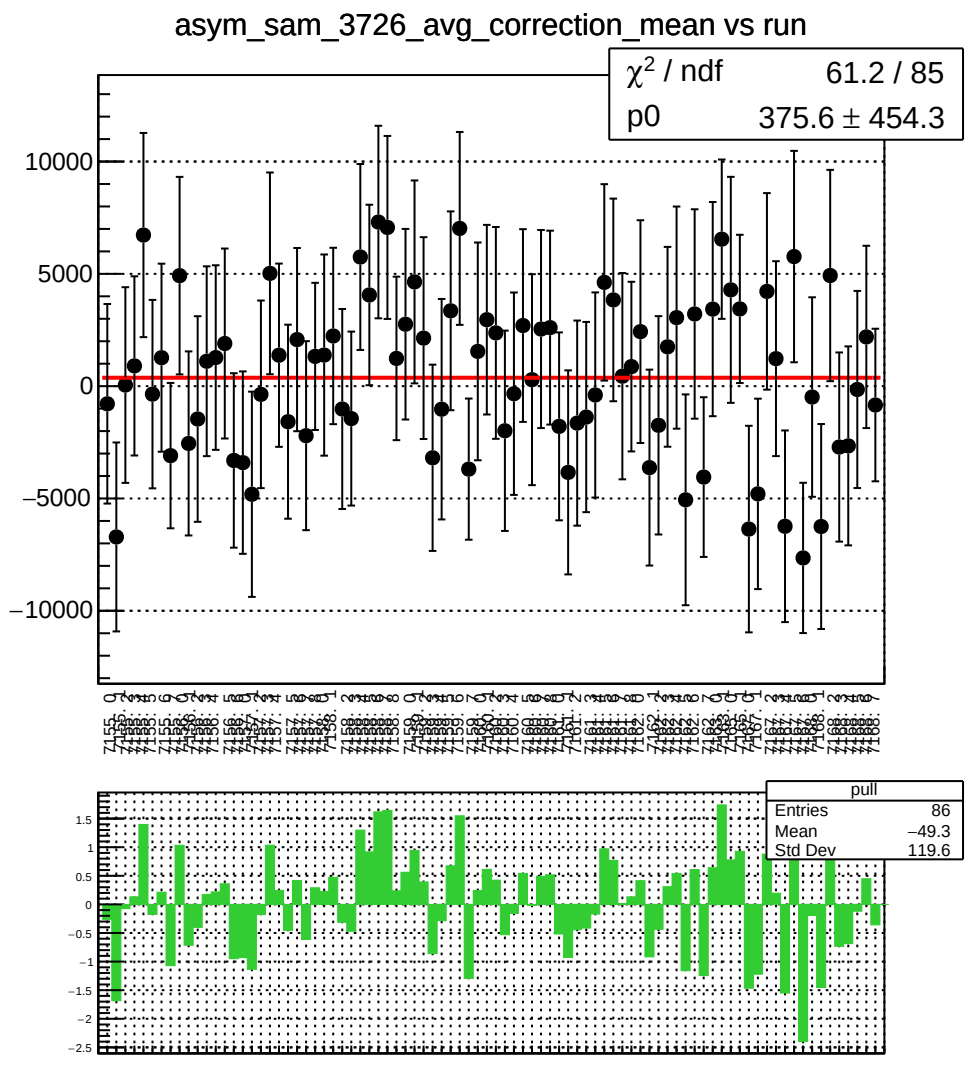

pull1D
Entries 86
Mean −0.0236
Std Dev 0.8597

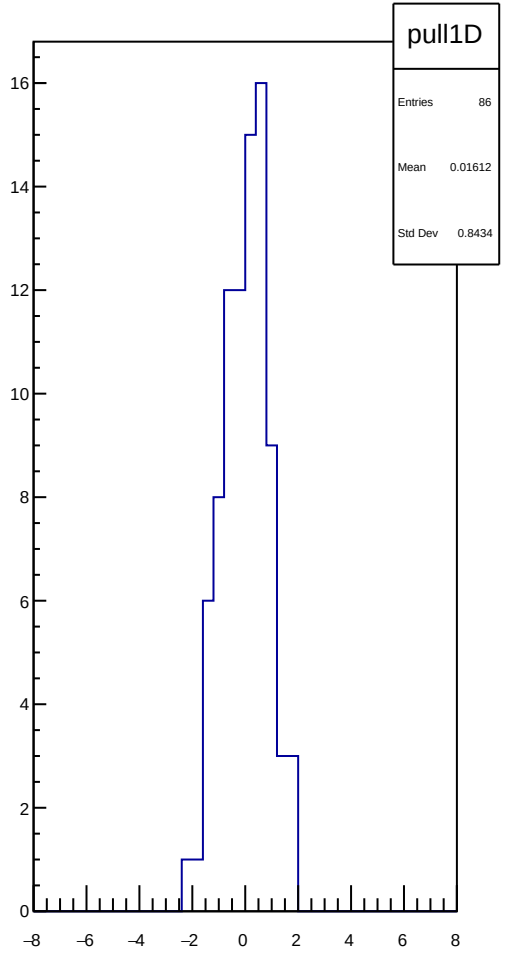

asym_sam_1526_avg_rms vs run
χ² / ndf 3693 / 85
p0 219.6 ± 0.1701
280
260
240
220
200

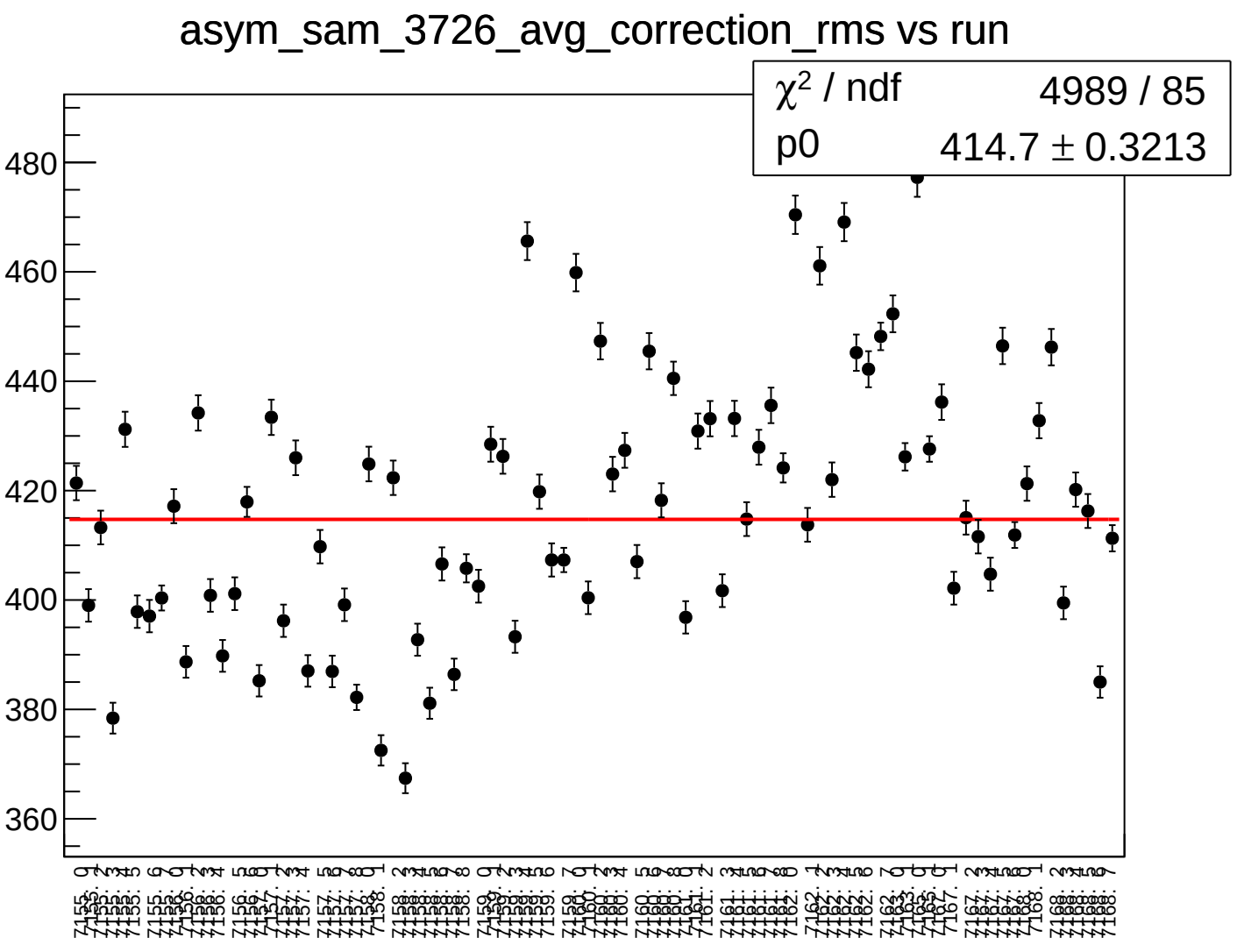

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 78.3 / 85
p0 −50.11 ± 67.58
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 58.85
Std Dev 2.353
2
1
0
−1
−2

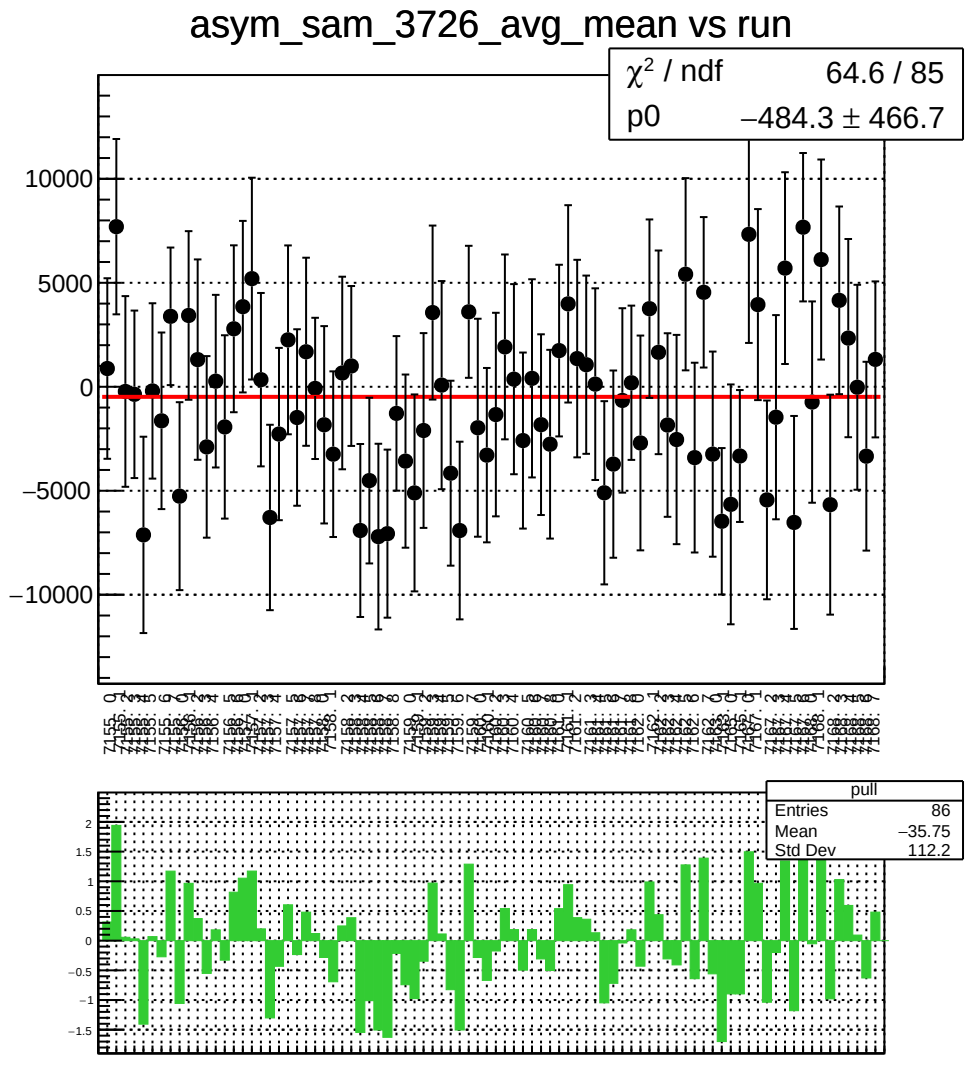

pull1D
Entries 86
Mean −0.03922
Std Dev 0.9534
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

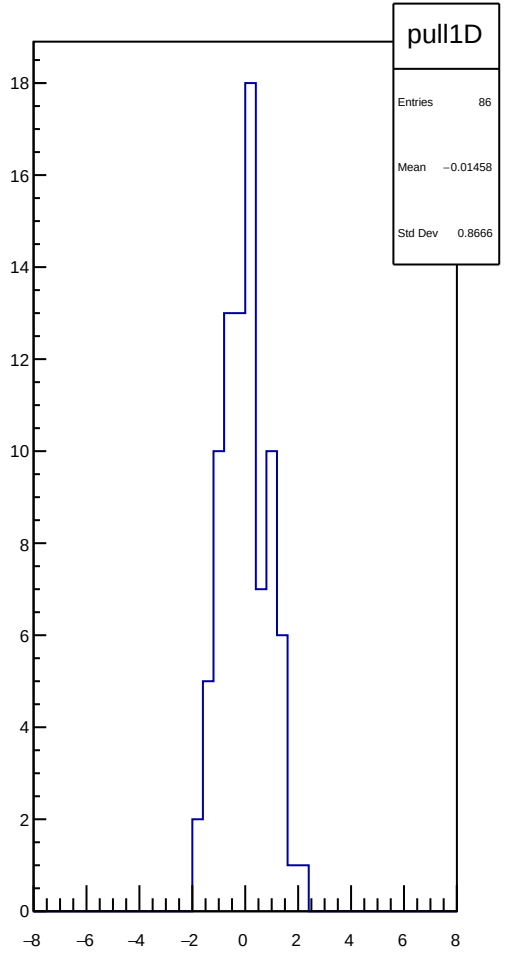

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.92e+04 / 85
p0 61.24 ± 0.04779
110
100
90
80
70
60
50

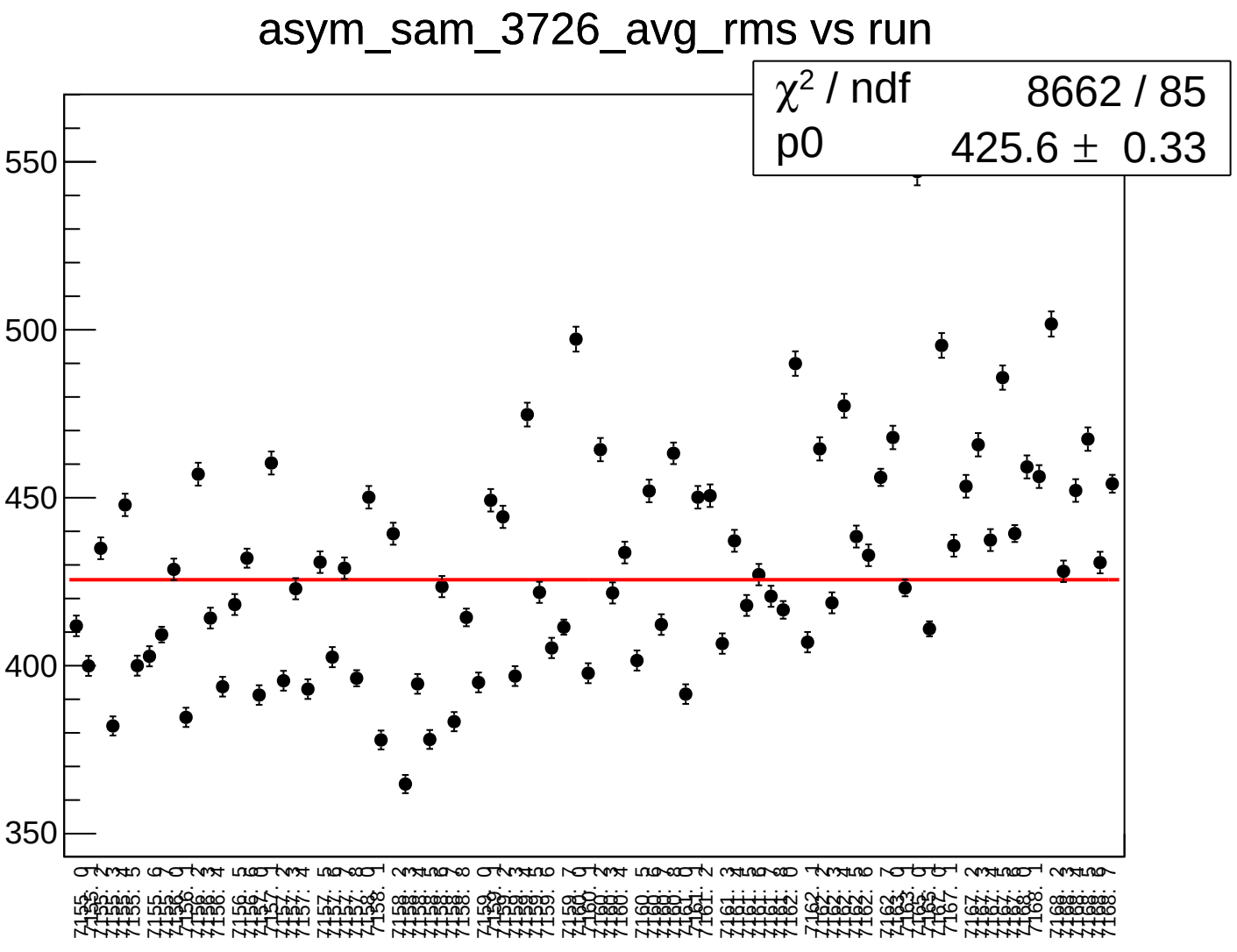

asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 61.2 / 85
p0 375.6 ± 454.3
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −49.3
Std Dev 119.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

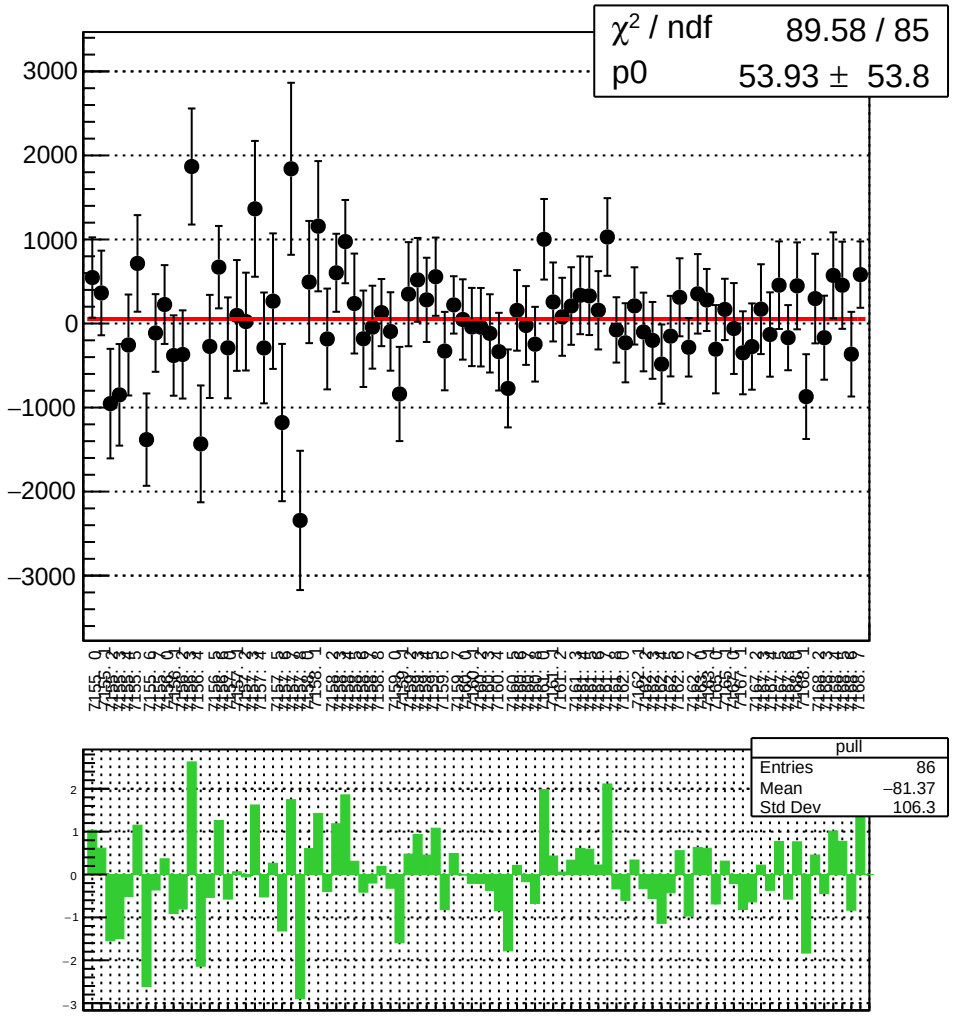

pull1D
Entries 86
Mean 0.01612
Std Dev 0.8434
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

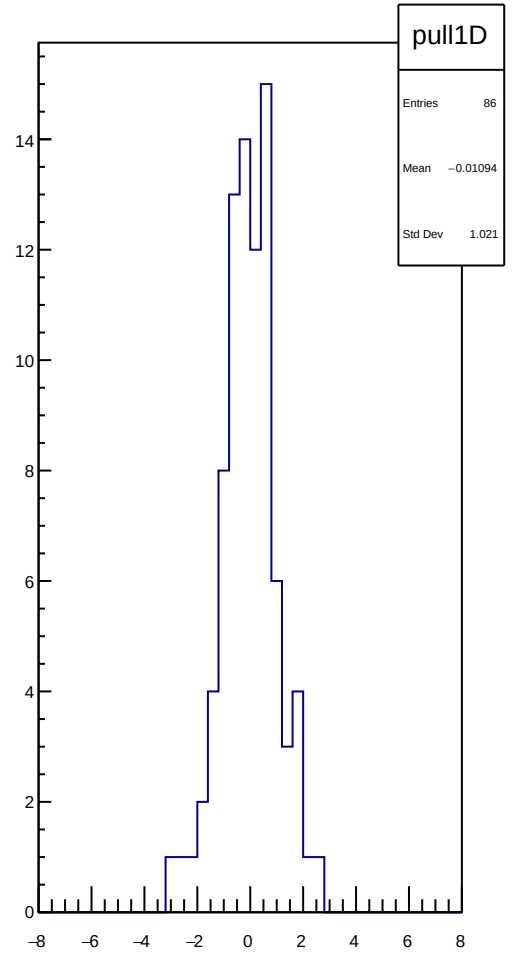

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 4989 / 85
p0 414.7 ± 0.3213
480
460
440
420
400
380
360

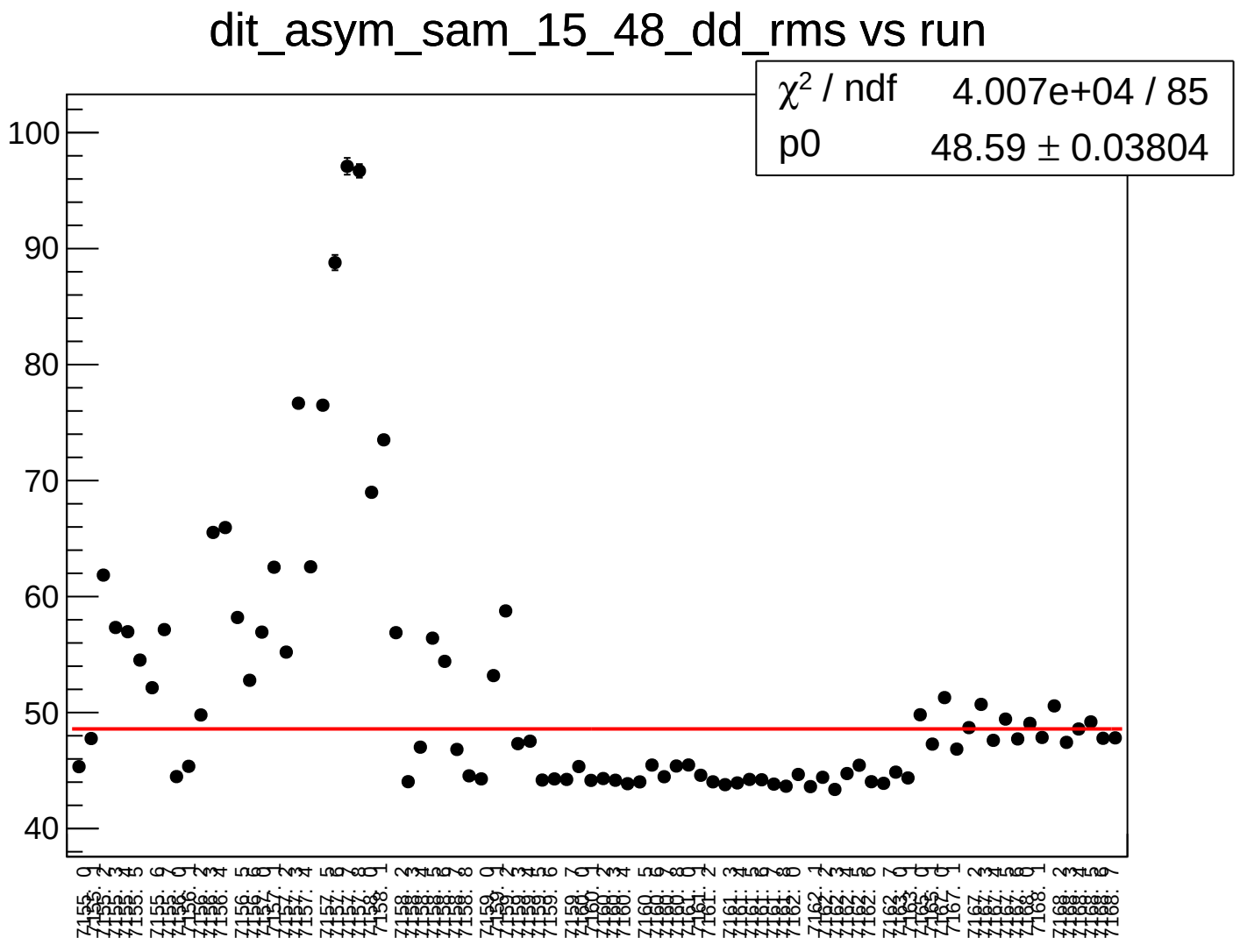

asym_sam_3726_avg_mean vs run
χ² / ndf 64.6 / 85
p0 −484.3 ± 466.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −35.75
Std Dev 112.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

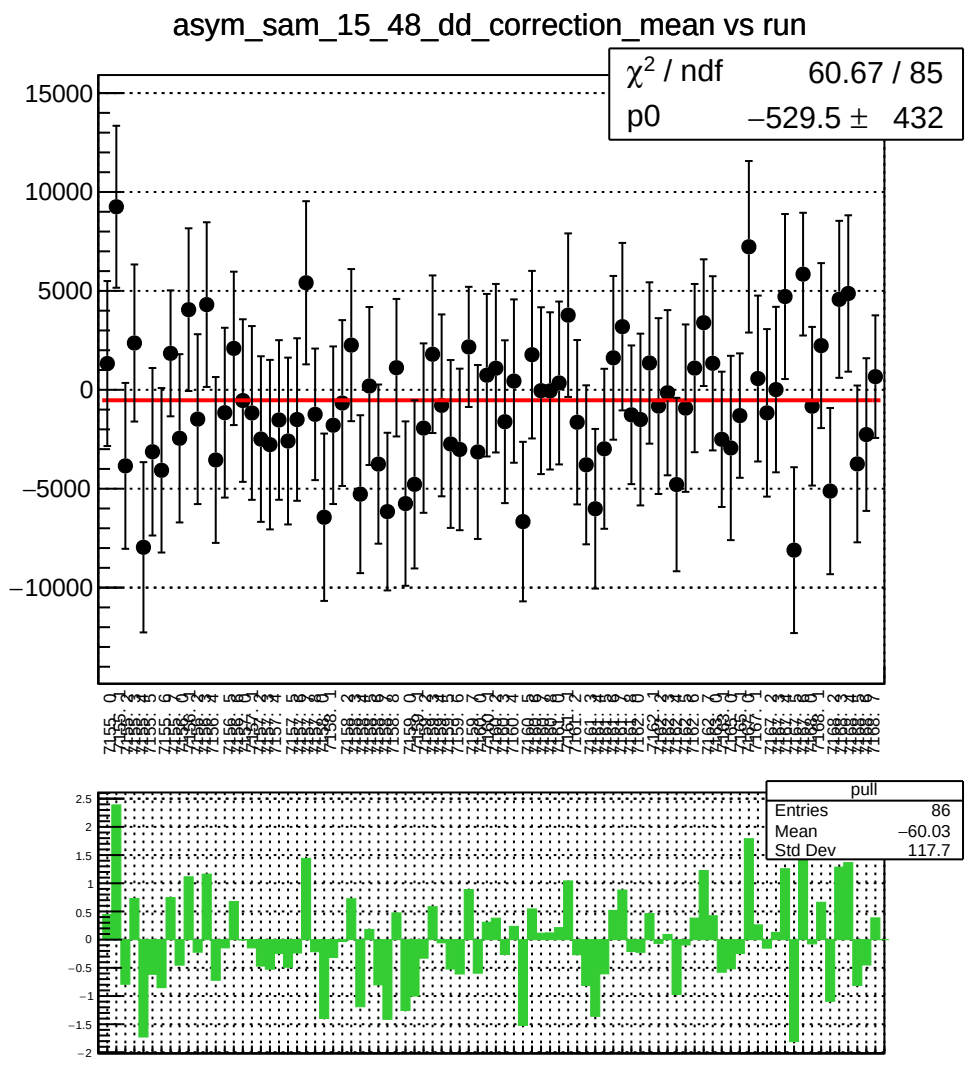

pull1D
Entries 86
Mean −0.01458
Std Dev 0.8666
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

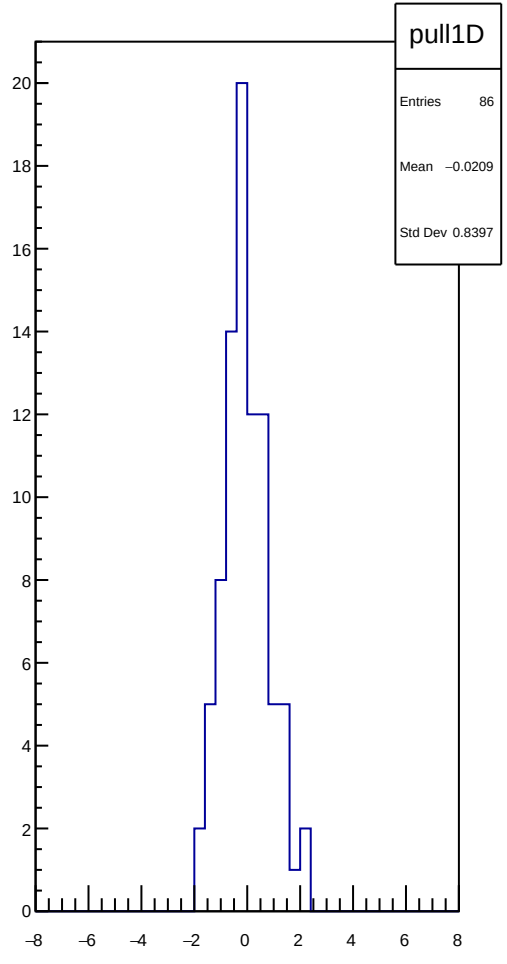

asym_sam_3726_avg_rms vs run
χ^2 / ndf 8662 / 85
p0 425.6 ± 0.33
550
500
450
400
350

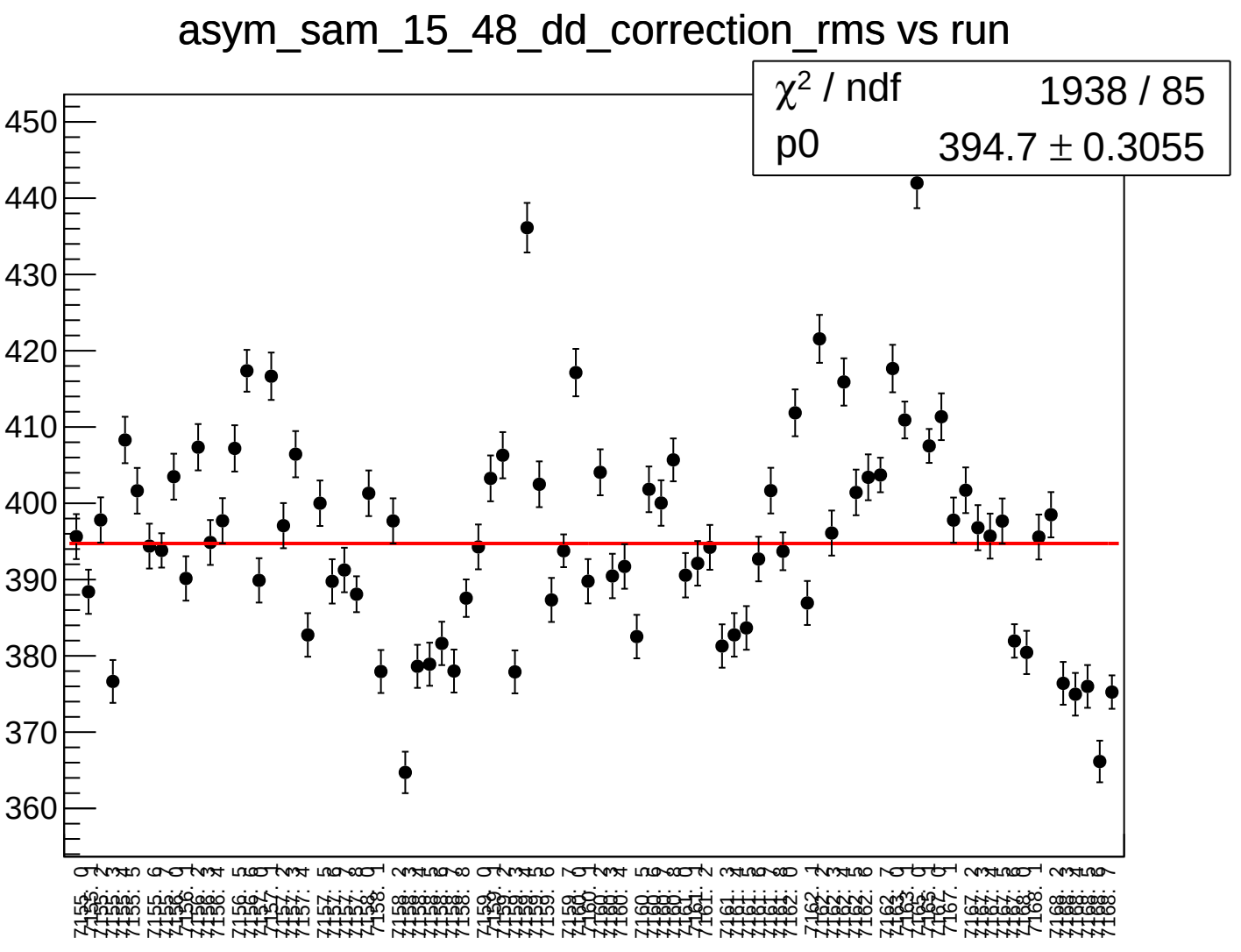

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 89.58 / 85
p0 53.93 ± 53.8
pull
Entries 86
Mean −81.37
Std Dev 106.3

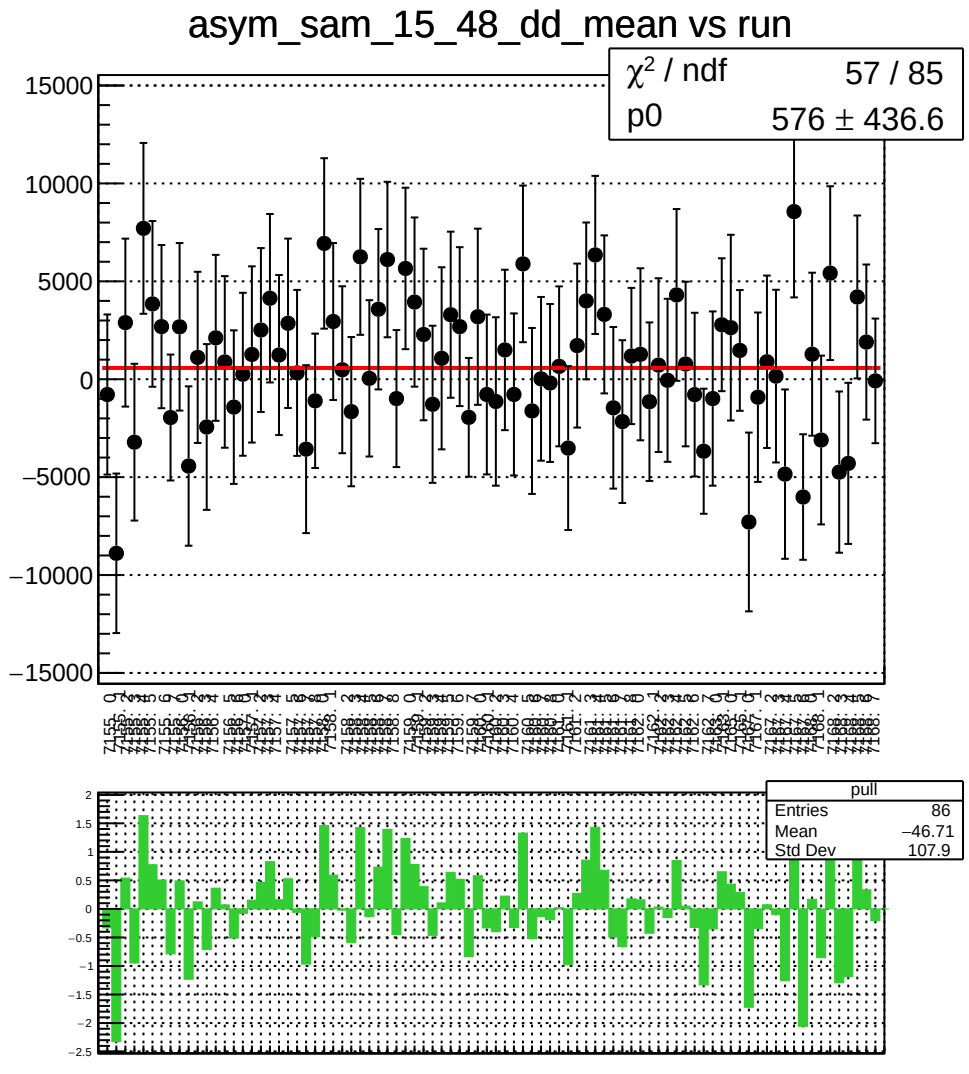

pull1D
Entries 86
Mean −0.01094
Std Dev 1.021

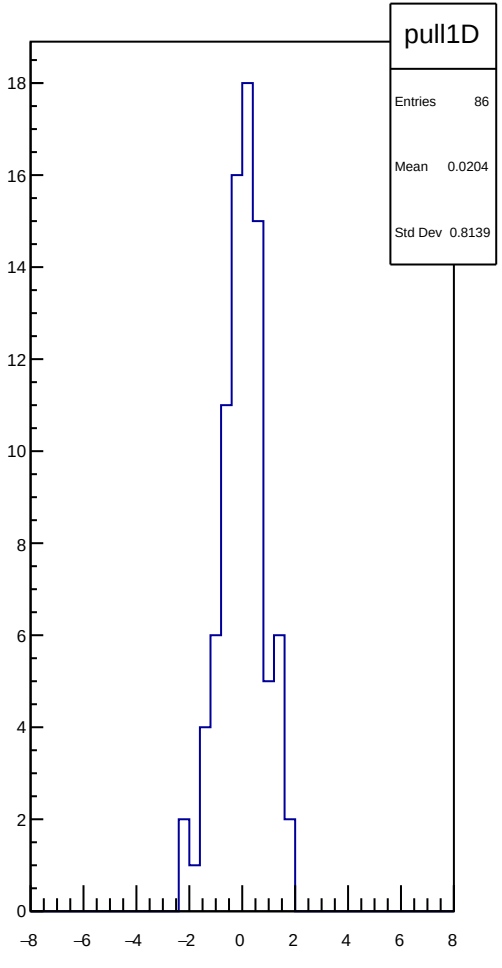

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.007e+04 / 85
p0 48.59 ± 0.03804
100
90
80
70
60
50
40

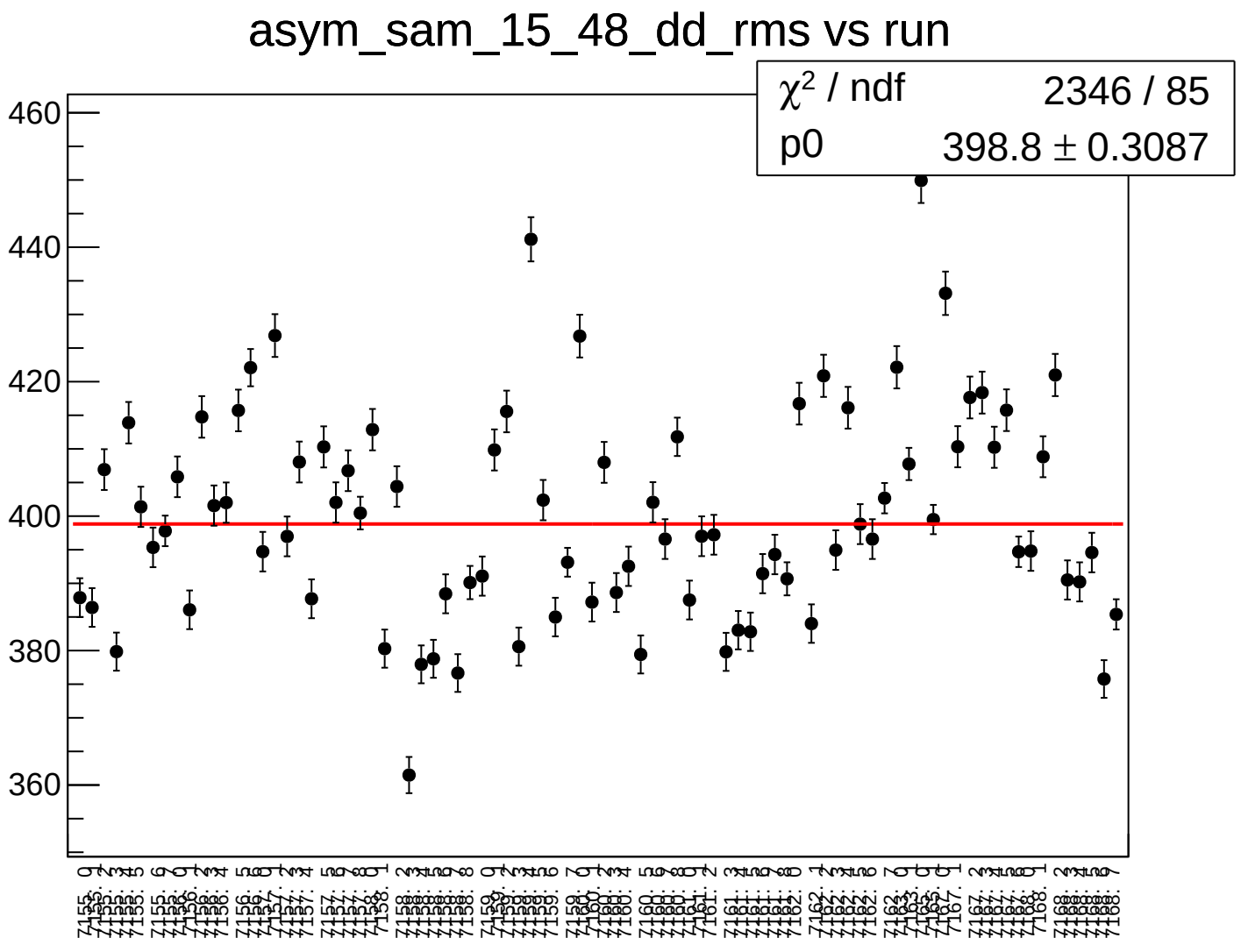

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 60.67 / 85
p0 −529.5 ± 432
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −60.03
Std Dev 117.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

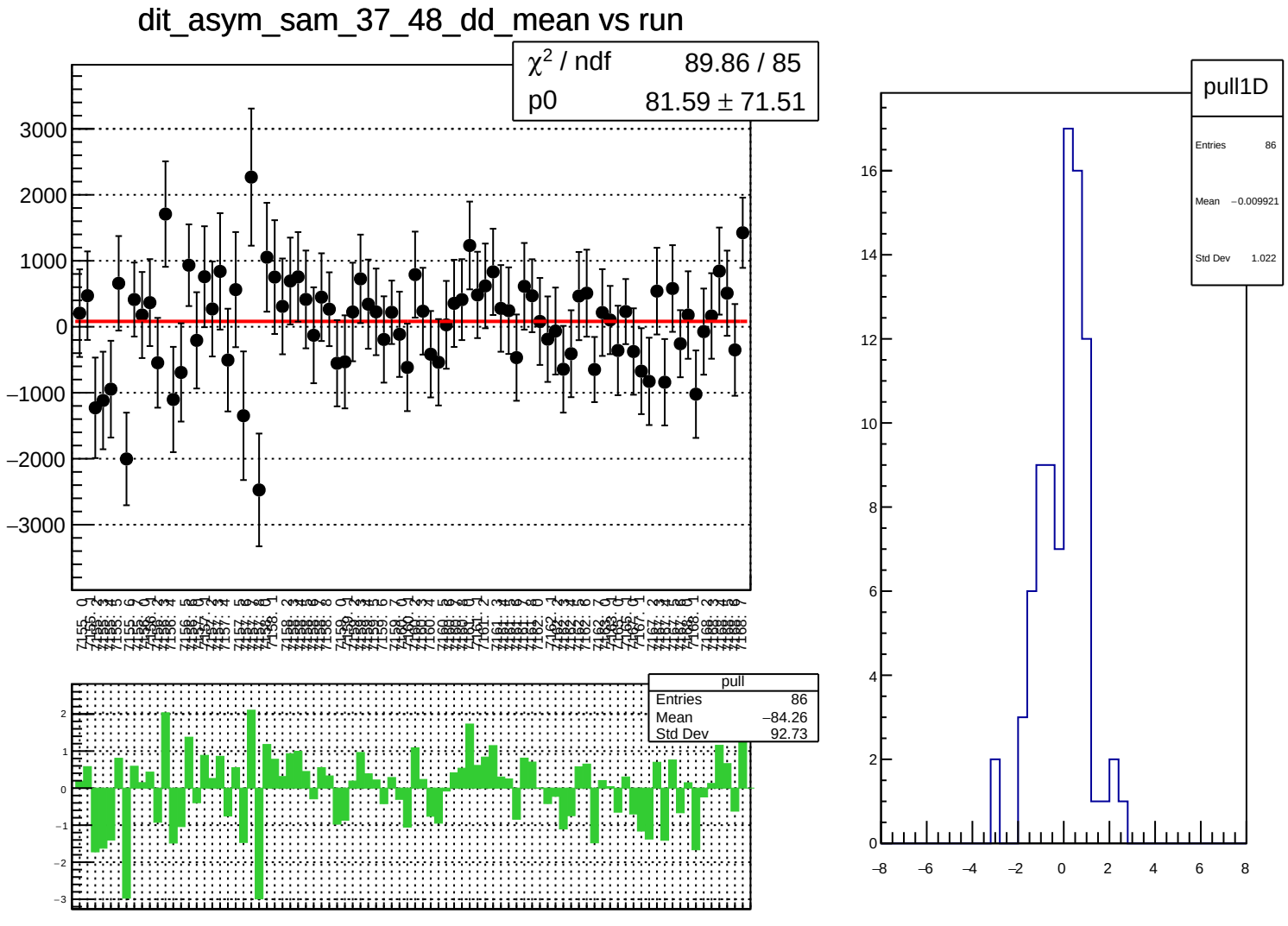

pull1D
Entries 86
Mean −0.0209
Std Dev 0.8397
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

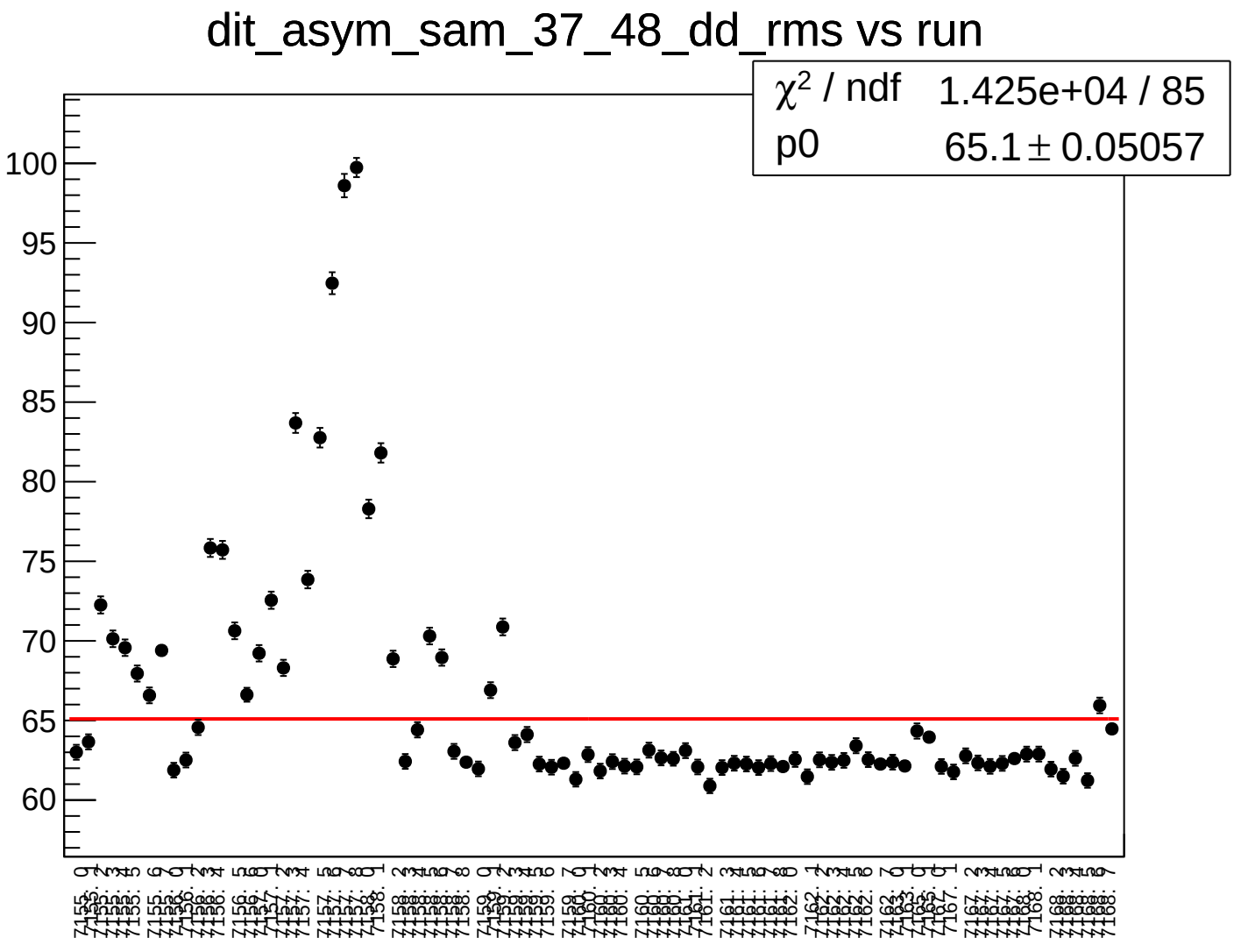

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1938 / 85
p0 394.7 ± 0.3055
450
440
430
420
410
400
390
380
370
360

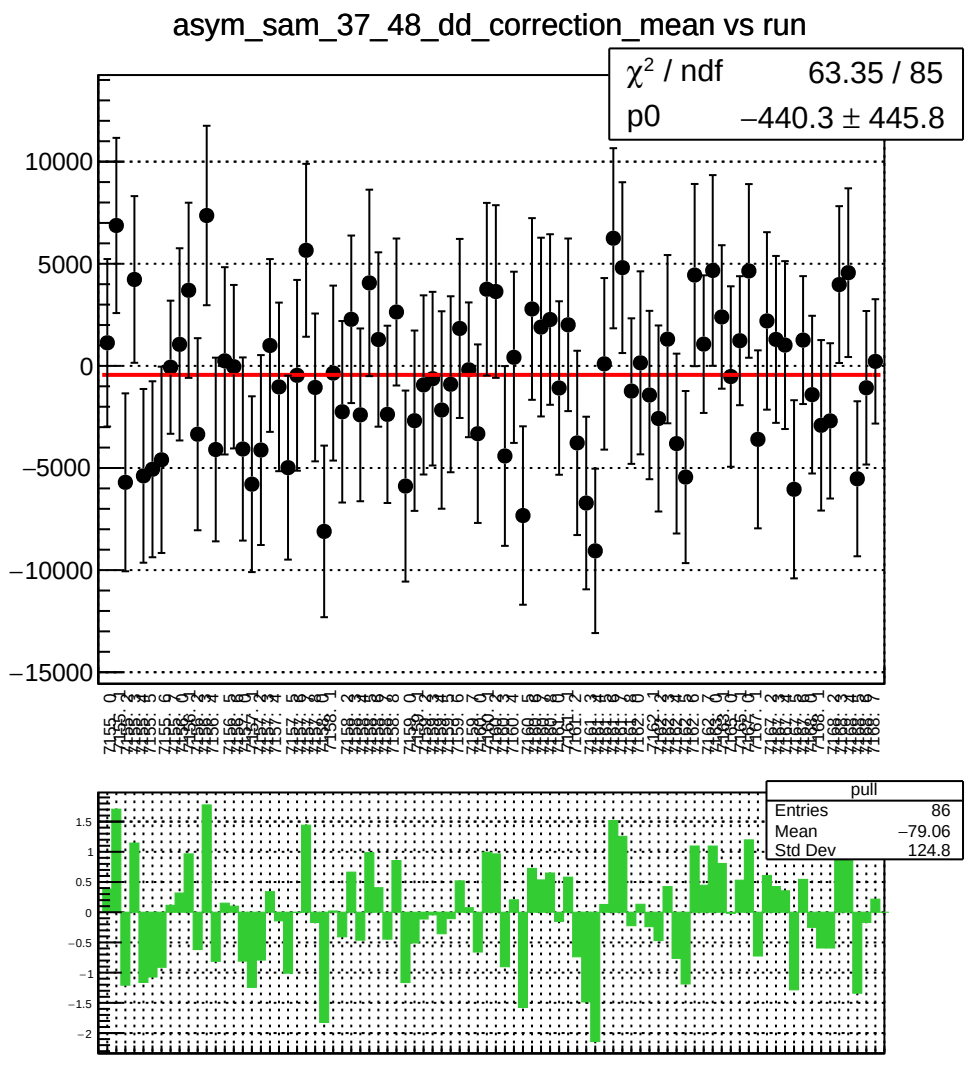

asym_sam_15_48_dd_mean vs run
χ² / ndf 57 / 85
p0 576 ± 436.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −46.71
Std Dev 107.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

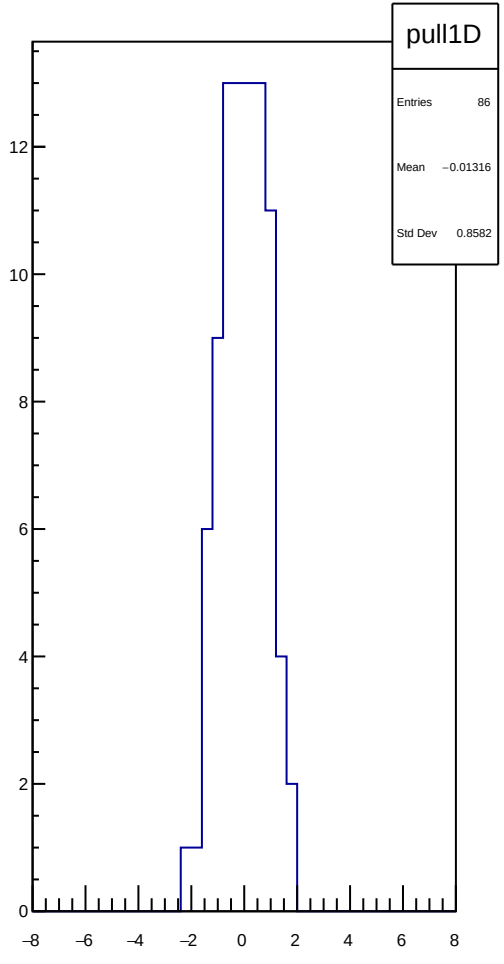

pull1D
Entries 86
Mean 0.0204
Std Dev 0.8139
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

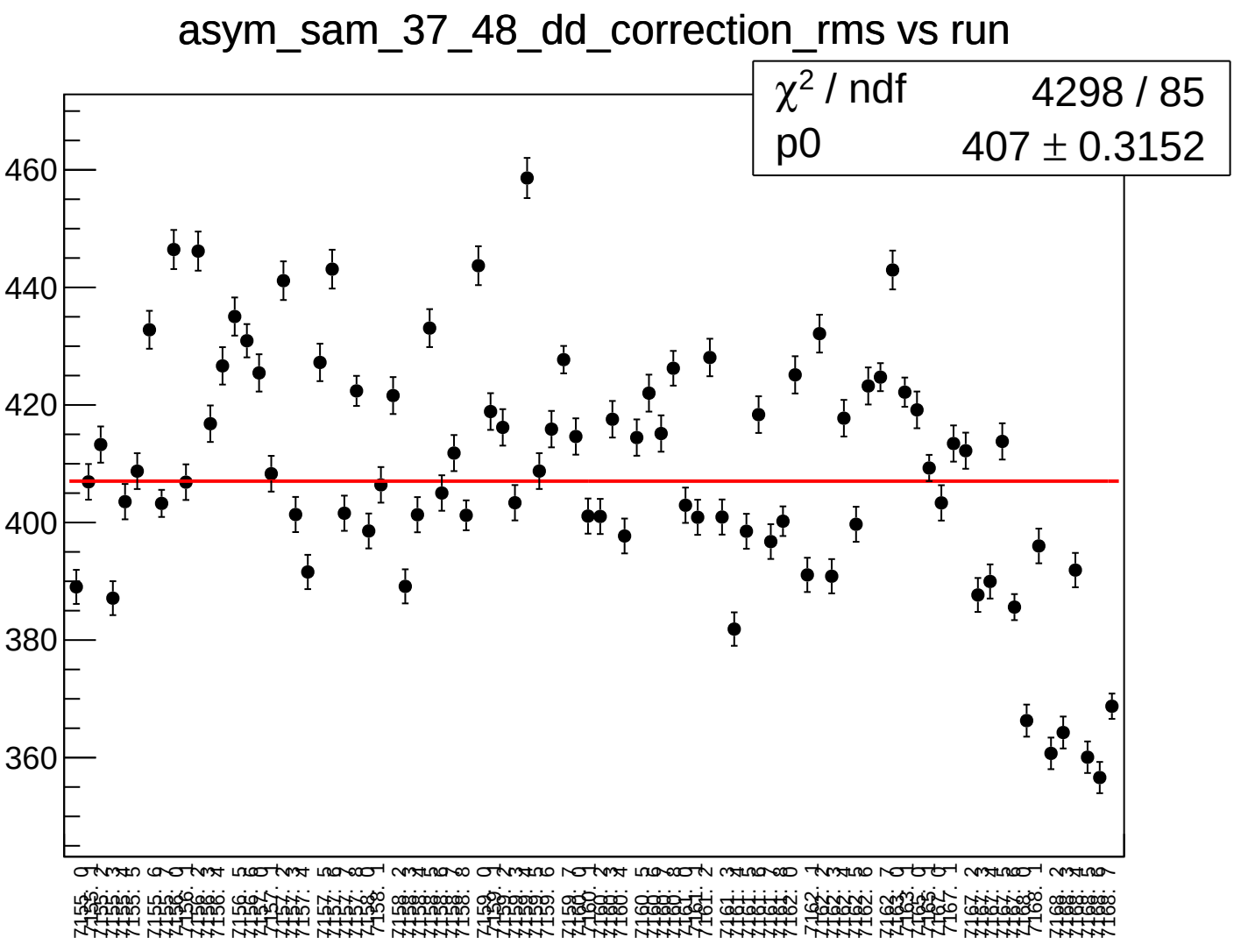

asym_sam_15_48_dd_rms vs run
χ² / ndf 2346 / 85
p0 398.8 ± 0.3087
460
440
420
400
380
360

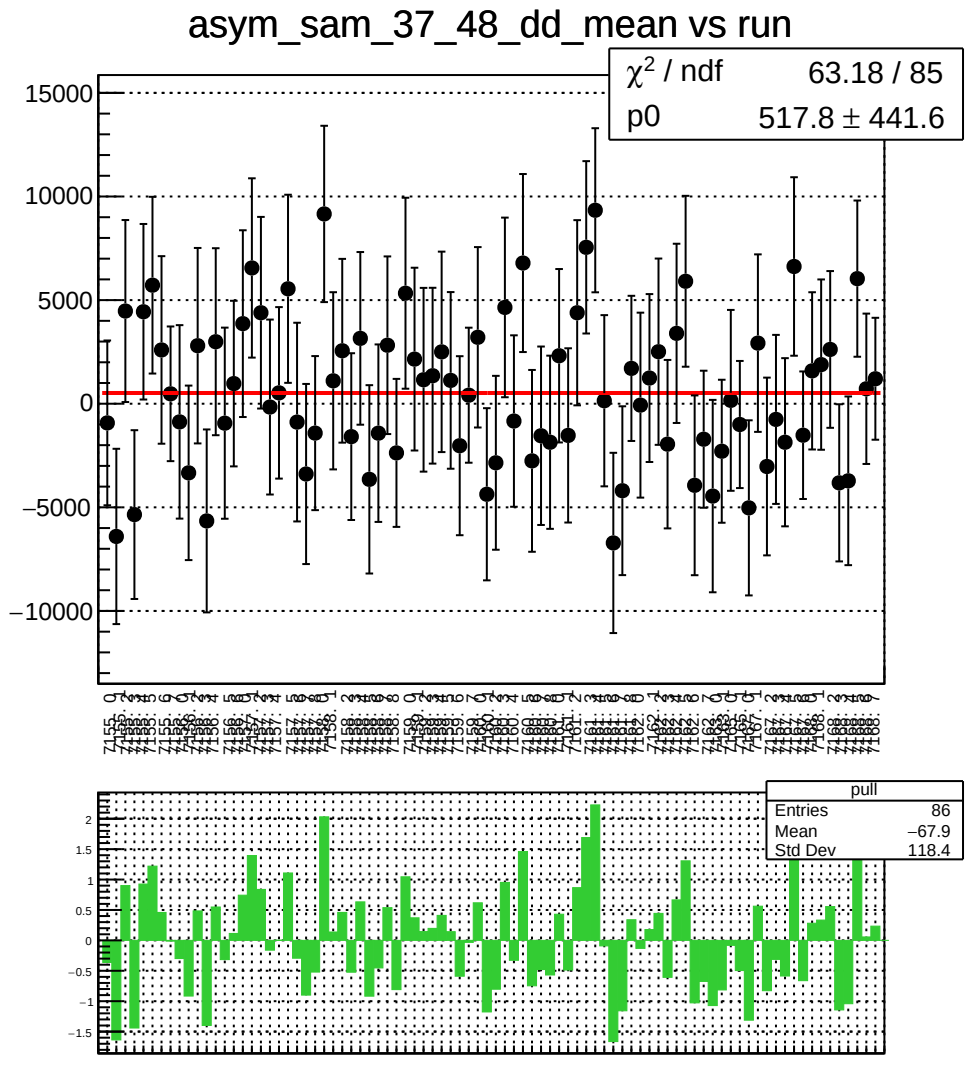

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 89.86 / 85
p0 81.59 ± 71.51
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −84.26
Std Dev 92.73
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.009921
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

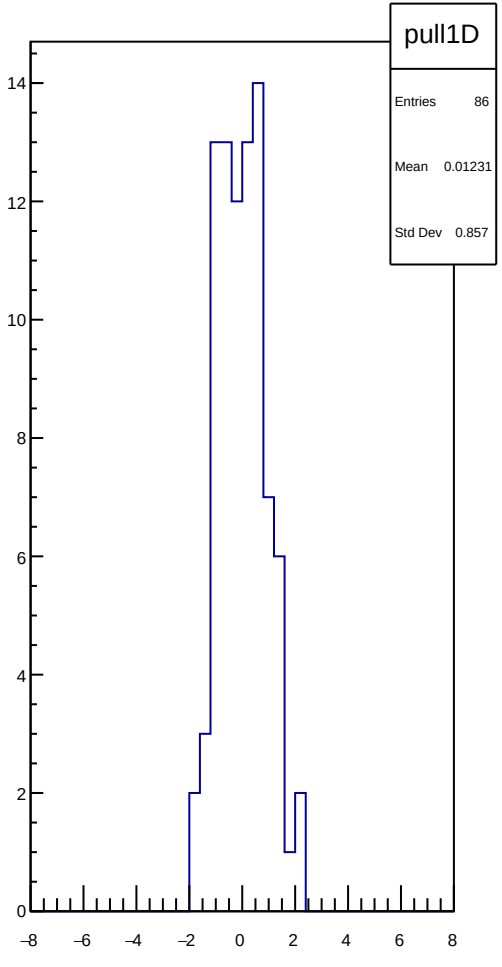

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.425e+04 / 85
p0 65.1 ± 0.05057
100
95
90
85
80
75
70
65
60

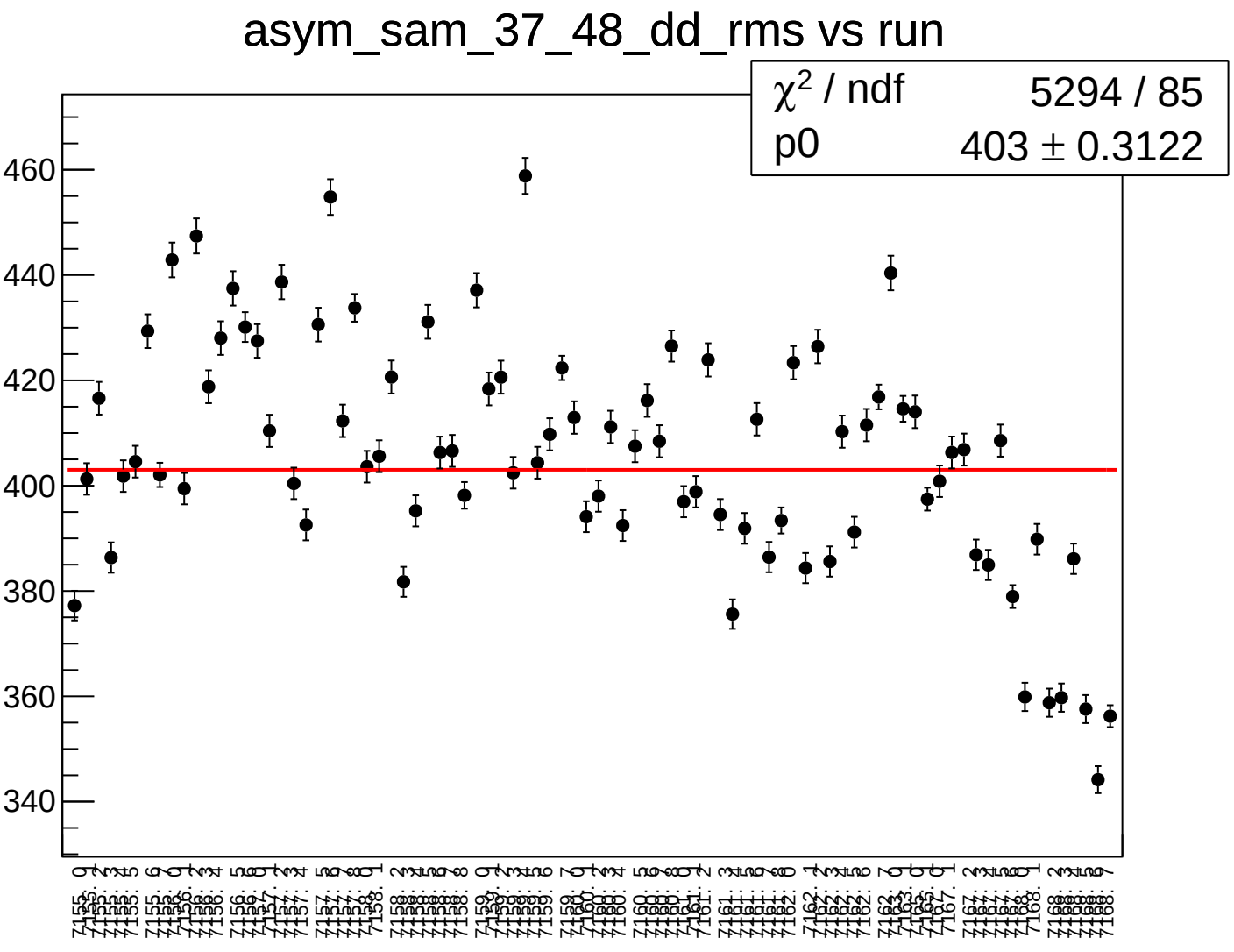

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 63.35 / 85
p0 −440.3 ± 445.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −79.06
Std Dev 124.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

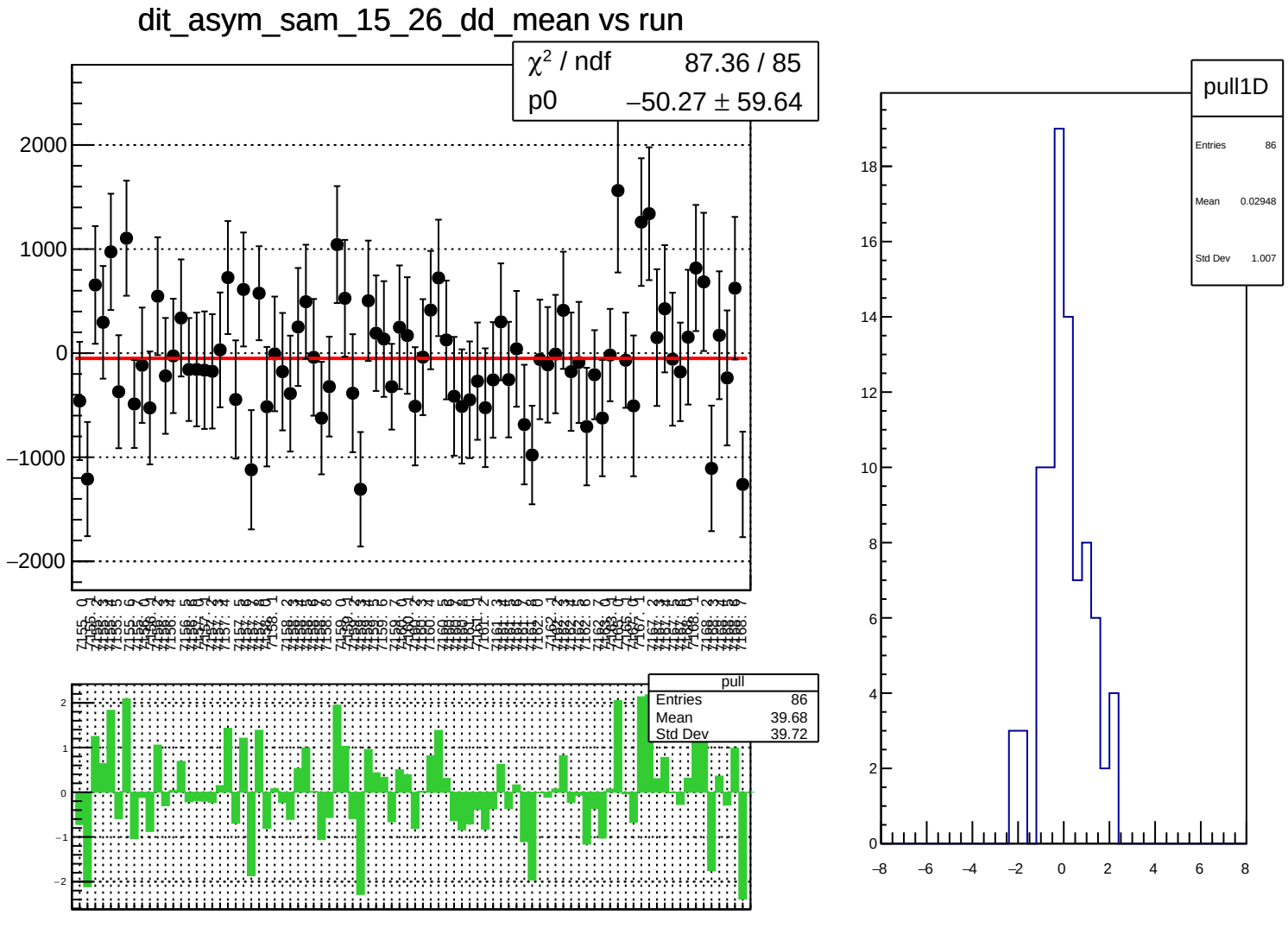

pull1D
Entries 86
Mean −0.01316
Std Dev 0.8582
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

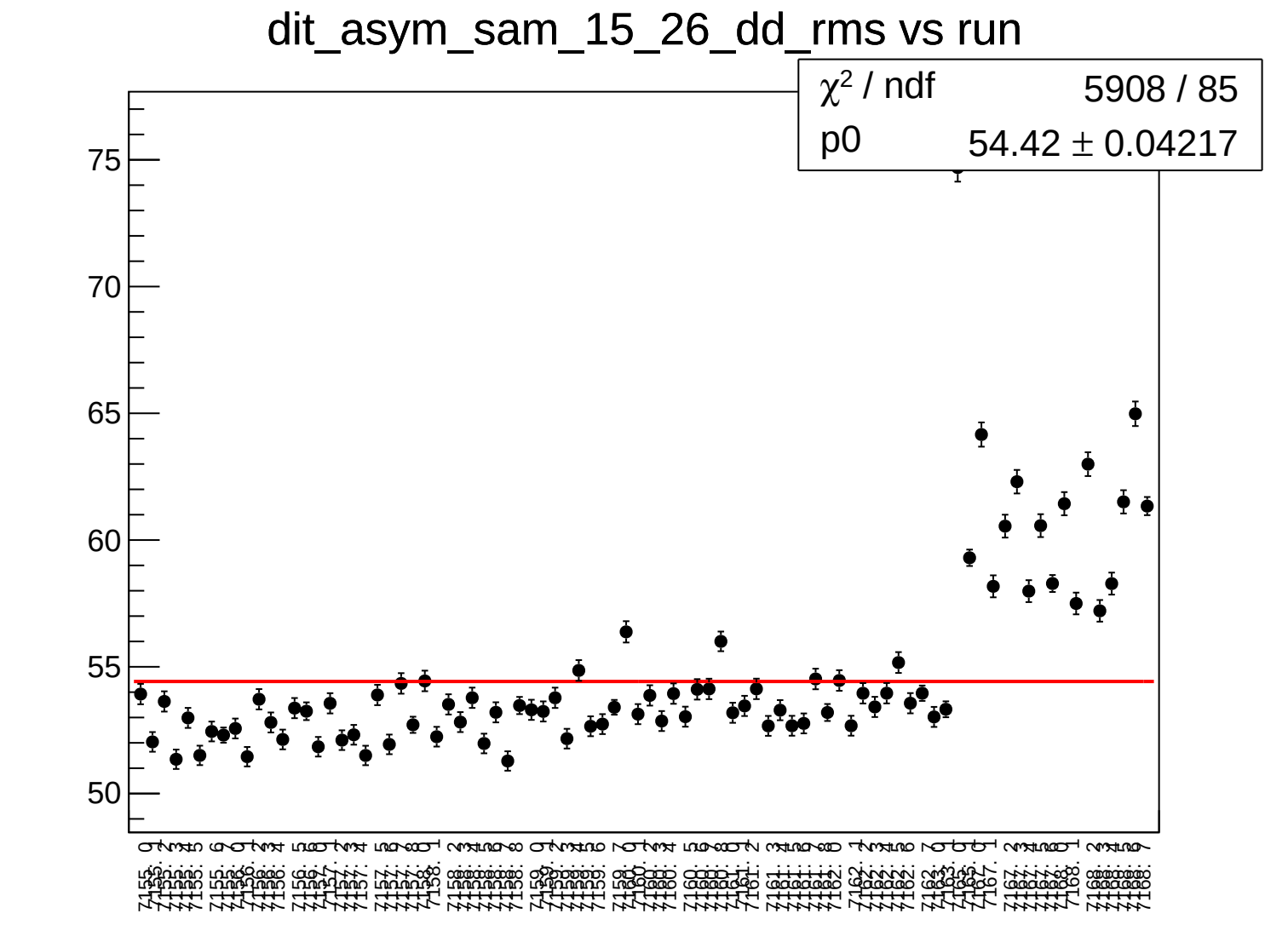

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 4298 / 85
p0 407 ± 0.3152
460
440
420
400
380
360

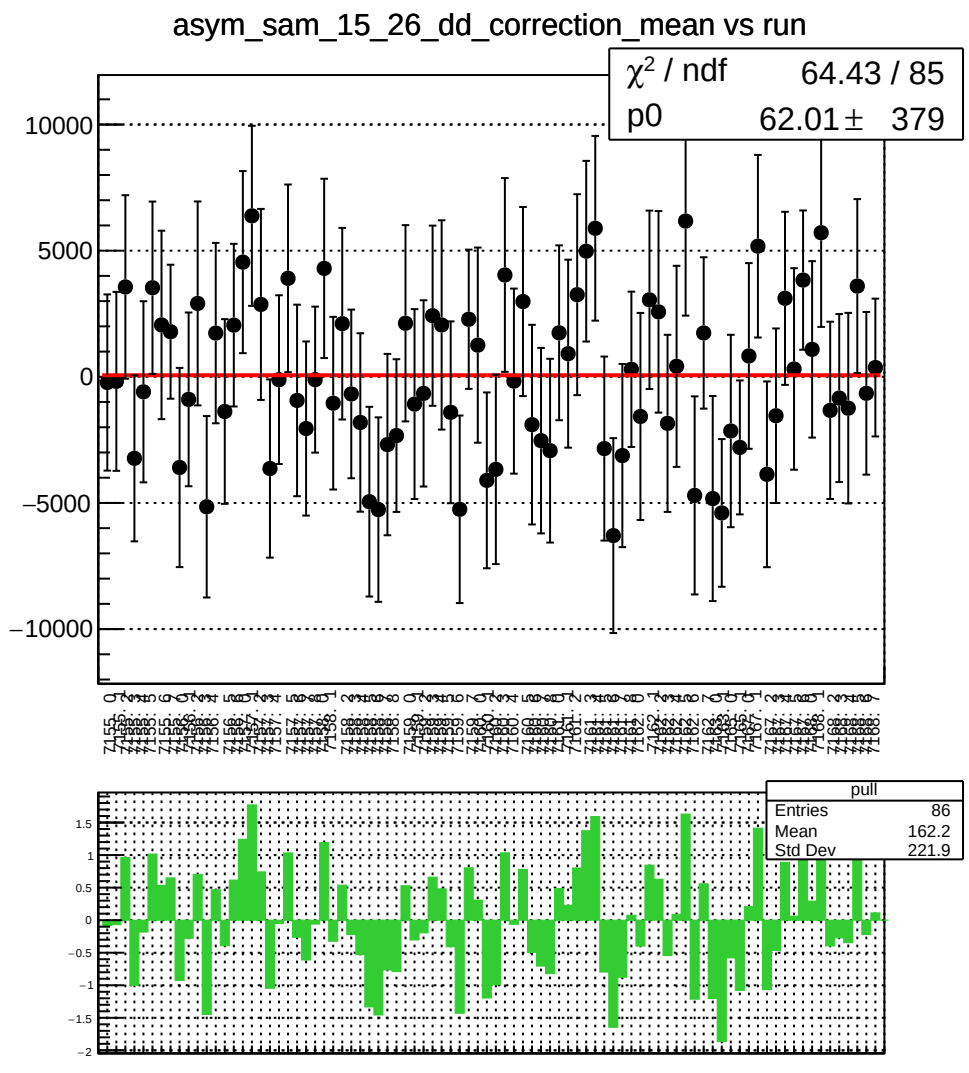

asym_sam_37_48_dd_mean vs run
χ² / ndf 63.18 / 85
p0 517.8 ± 441.6
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −67.9
Std Dev 118.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

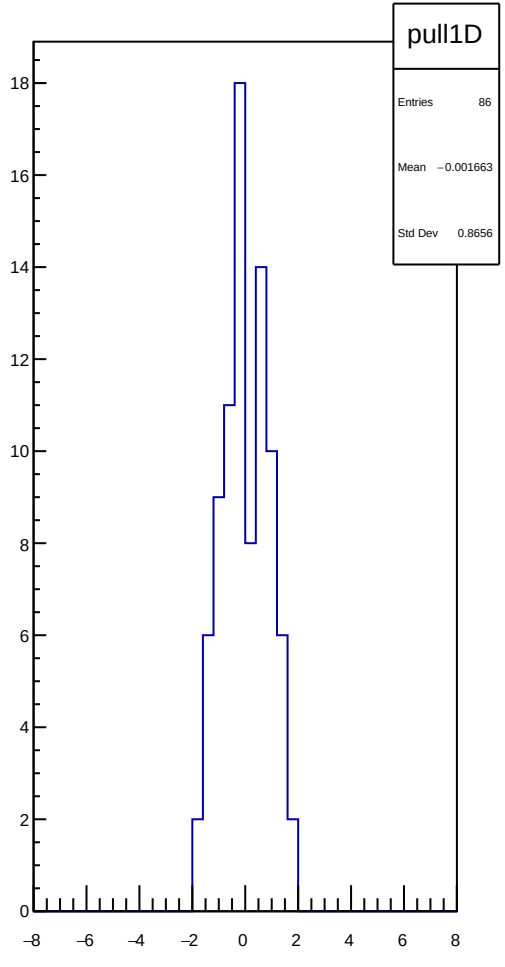

pull1D
Entries 86
Mean 0.01231
Std Dev 0.857
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

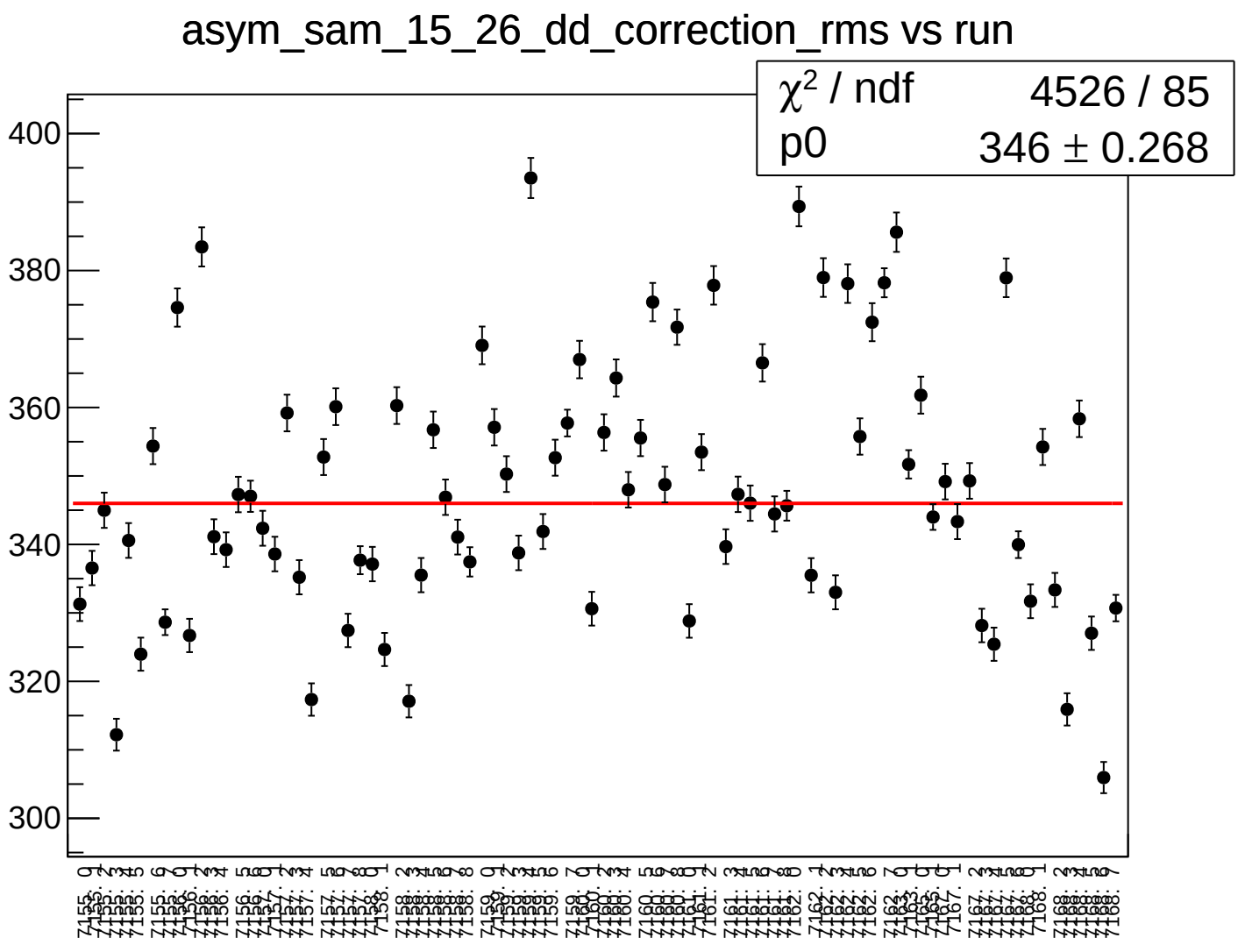

asym_sam_37_48_dd_rms vs run
χ² / ndf 5294 / 85
p0 403 ± 0.3122
460
440
420
400
380
360
340

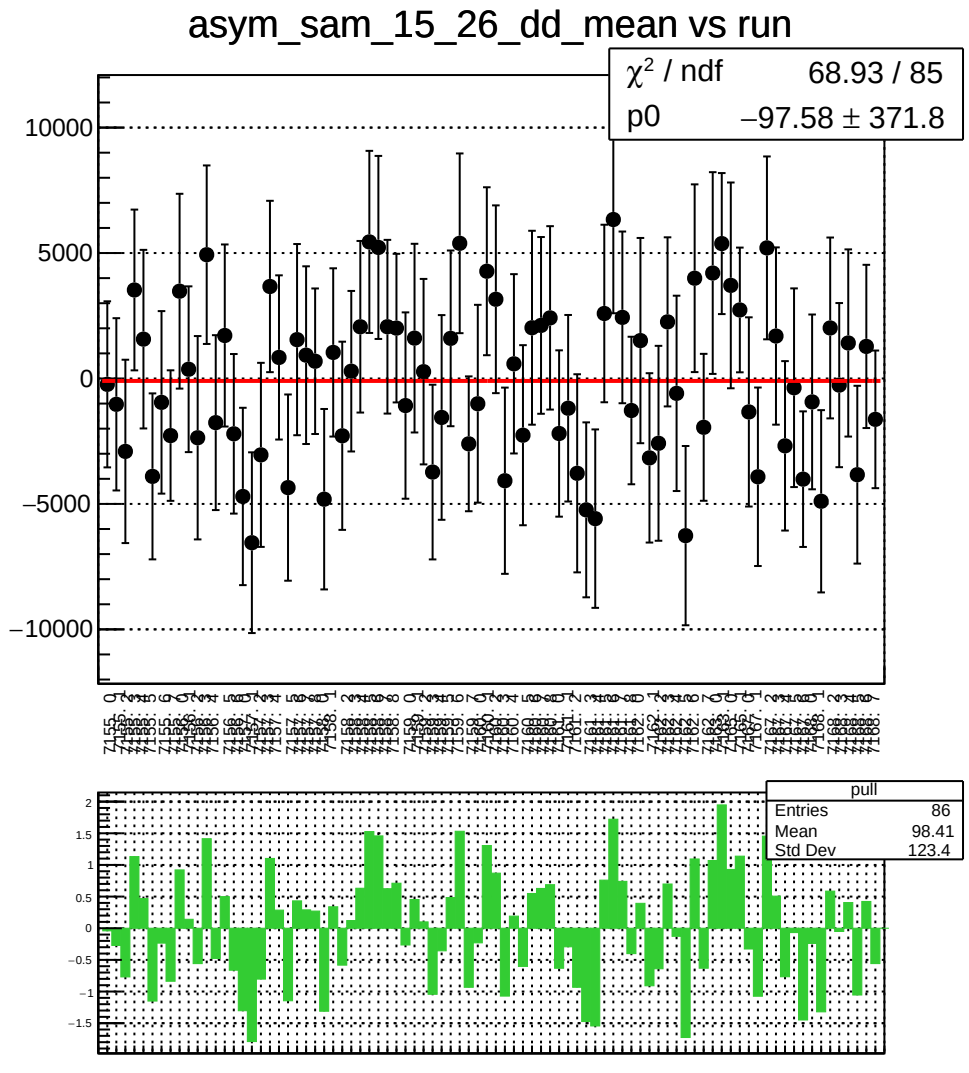

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 87.36 / 85
p0 −50.27 ± 59.64
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 39.68
Std Dev 39.72
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.02948
Std Dev 1.007
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

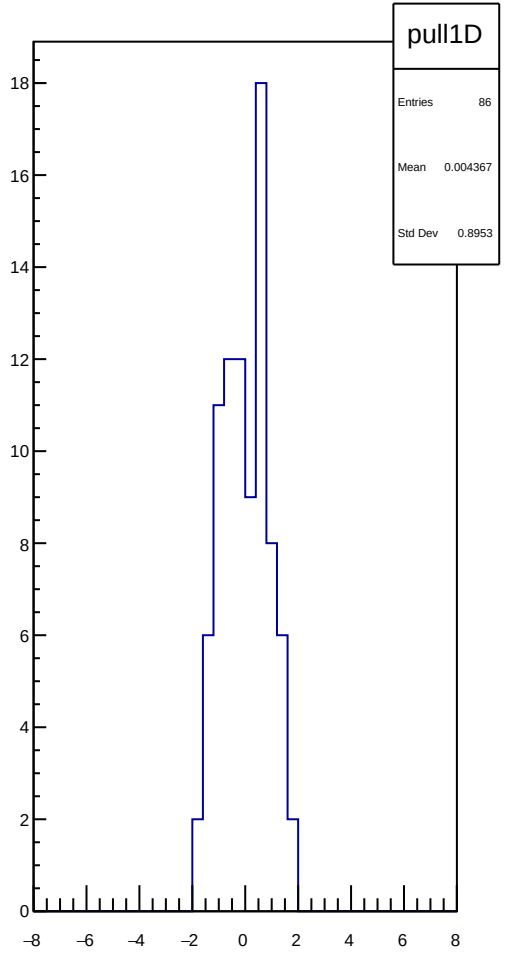

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 5908 / 85
p0 54.42 ± 0.04217
75
70
65
60
55
50

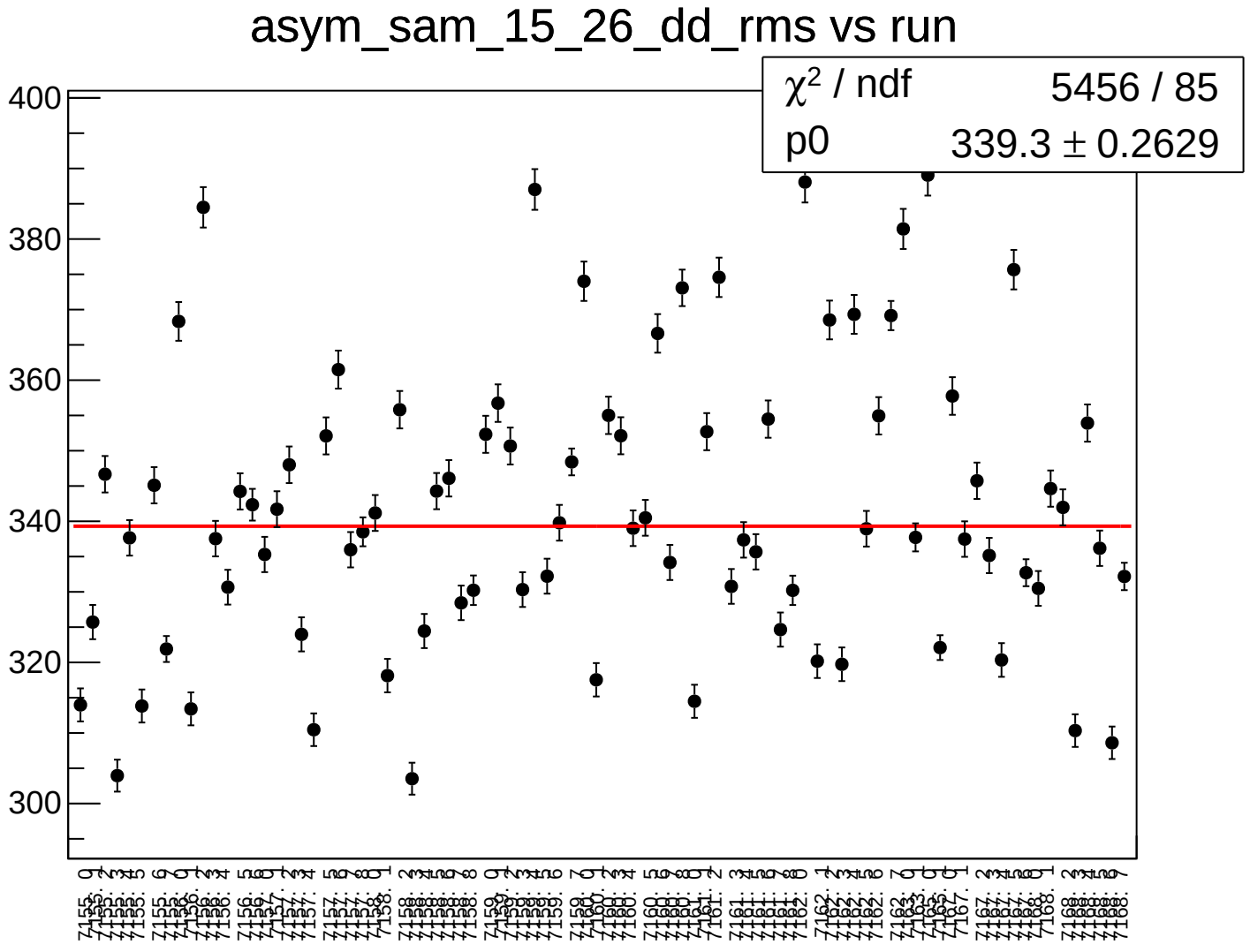

asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 64.43 / 85
p0 62.01 ± 379
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 162.2
Std Dev 221.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

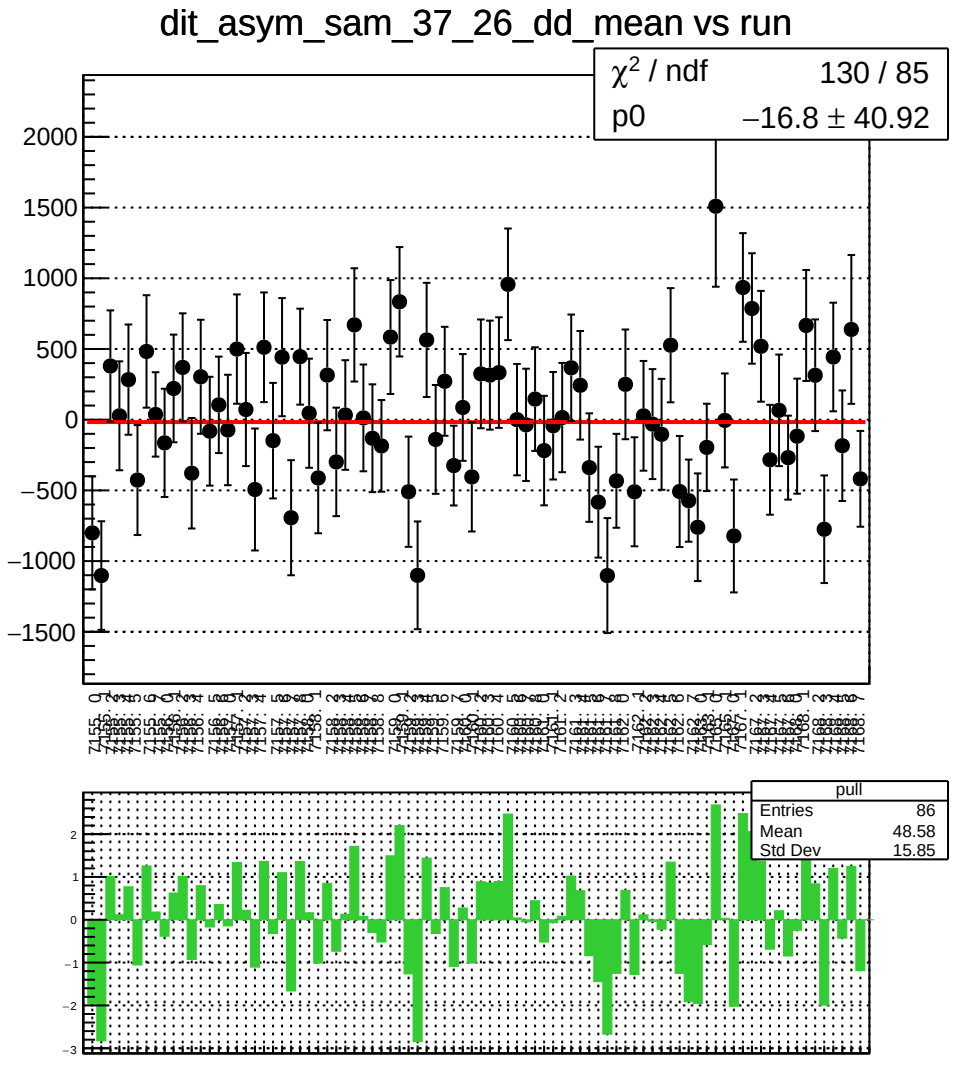

pull1D
Entries 86
Mean −0.001663
Std Dev 0.8656
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

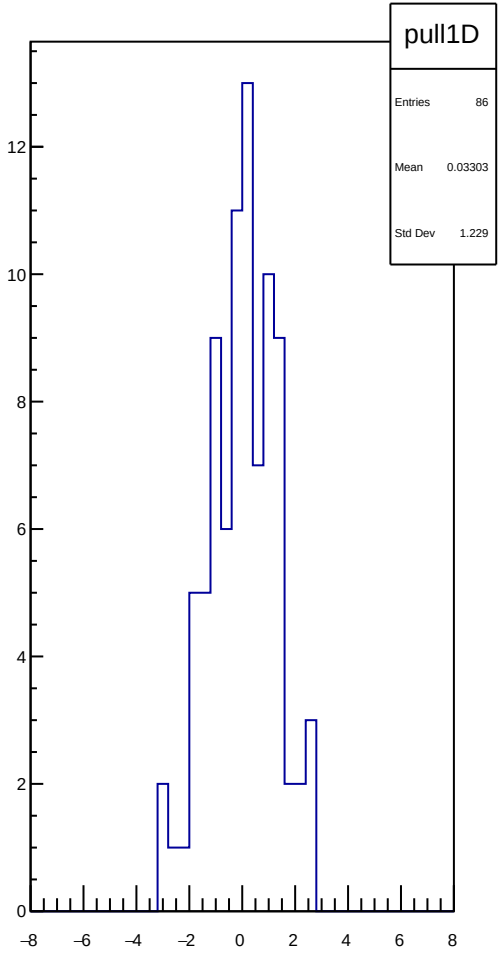

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4526 / 85
p0 346 ± 0.268
400
380
360
340
320
300

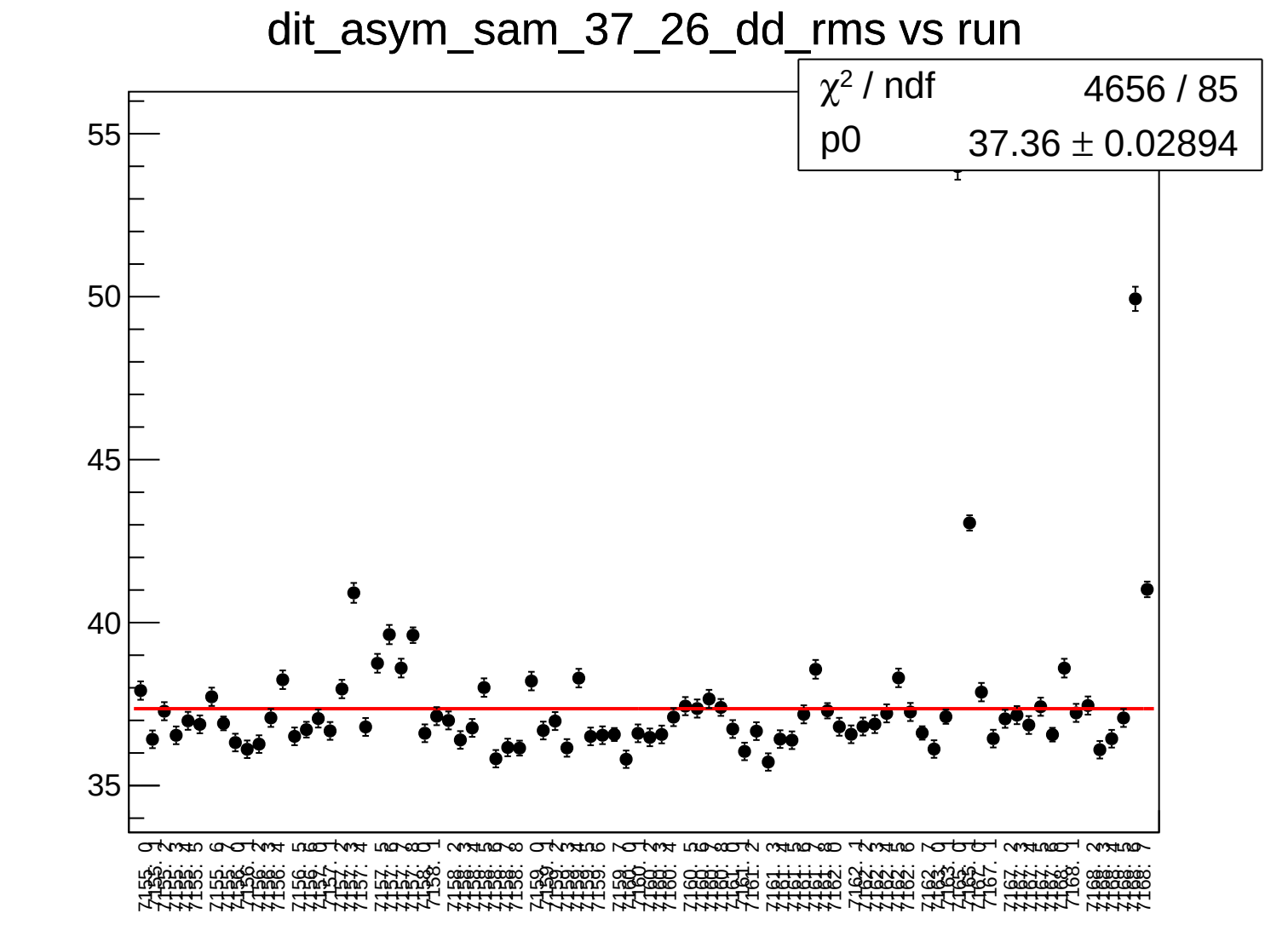

asym_sam_15_26_dd_mean vs run
χ² / ndf 68.93 / 85
p0 −97.58 ± 371.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 98.41
Std Dev 123.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

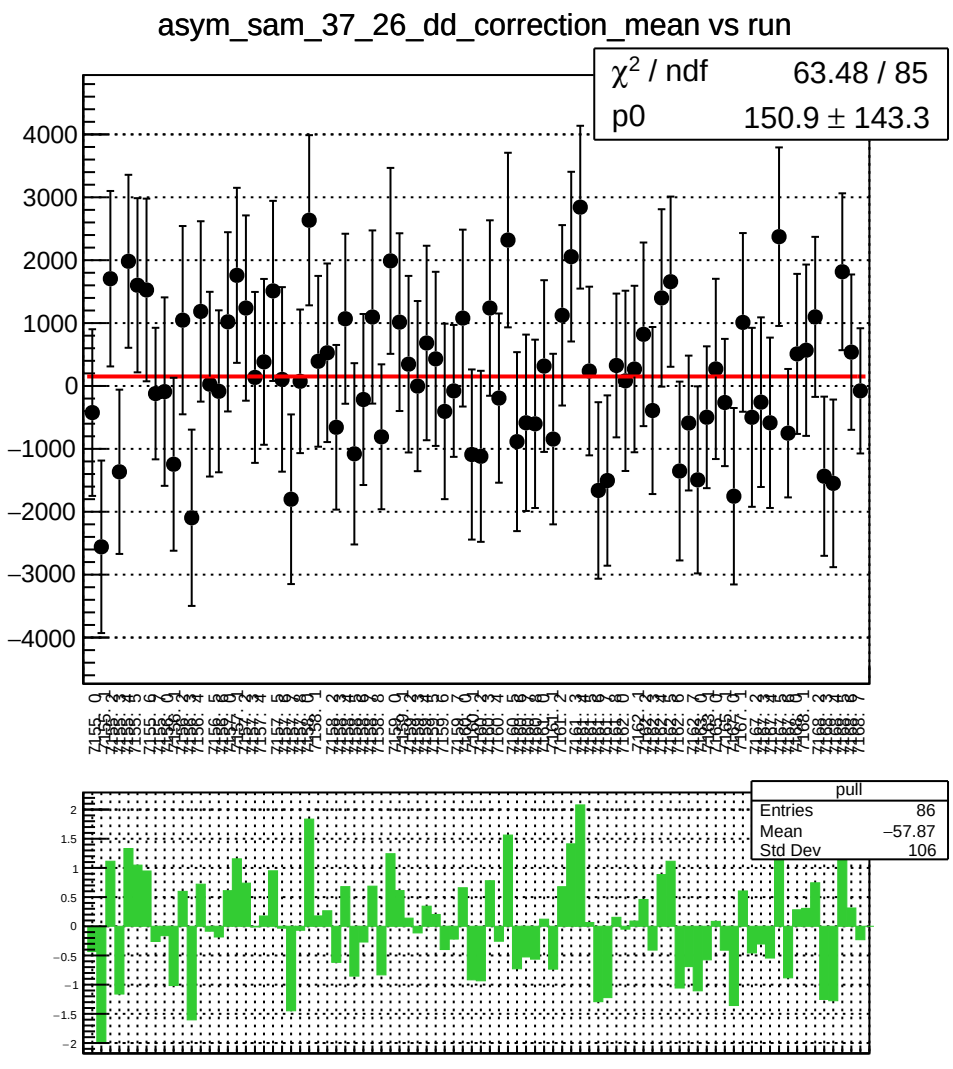

pull1D
Entries 86
Mean 0.004367
Std Dev 0.8953
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

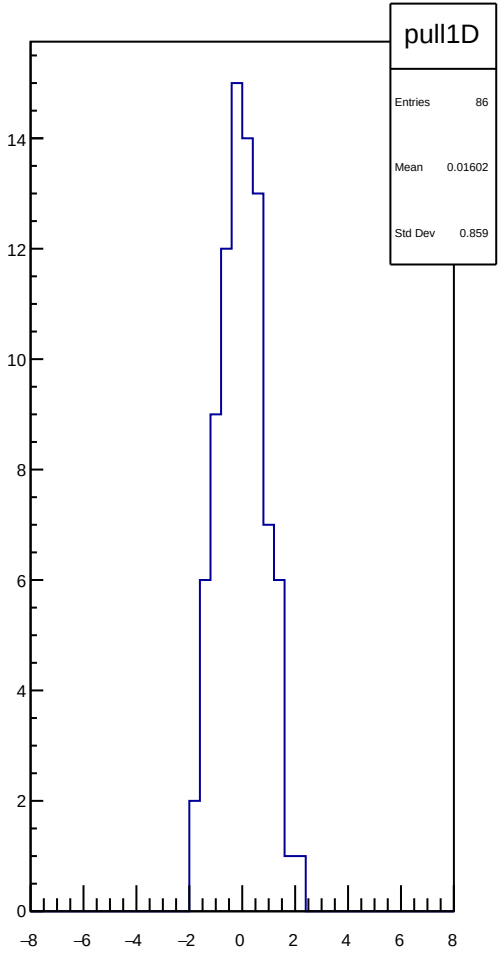

asym_sam_15_26_dd_rms vs run
χ² / ndf 5456 / 85
p0 339.3 ± 0.2629
400
380
360
340
320
300

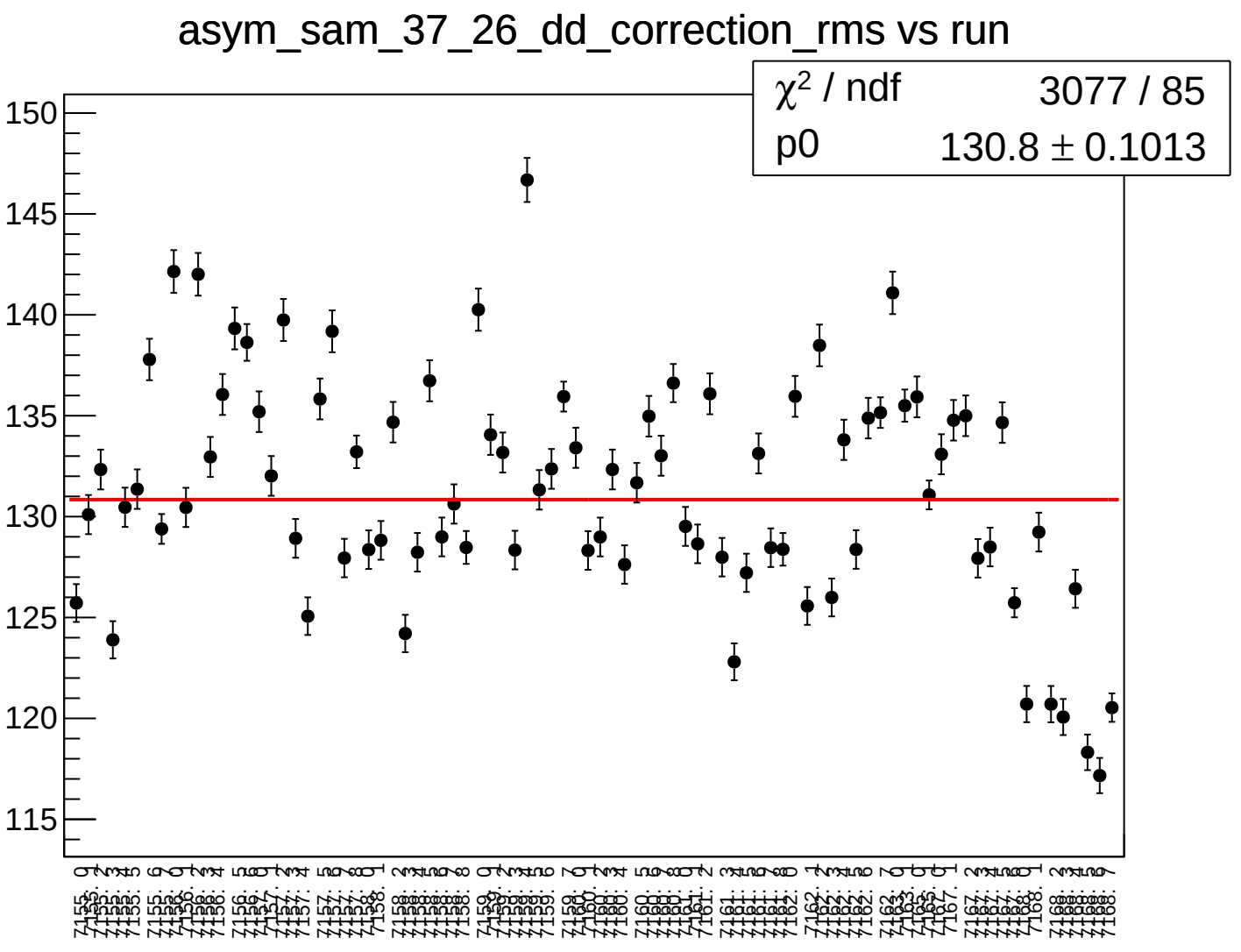

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 130 / 85
p0 −16.8 ± 40.92
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 86
Mean 48.58
Std Dev 15.85
2
1
0
−1
−2
−3

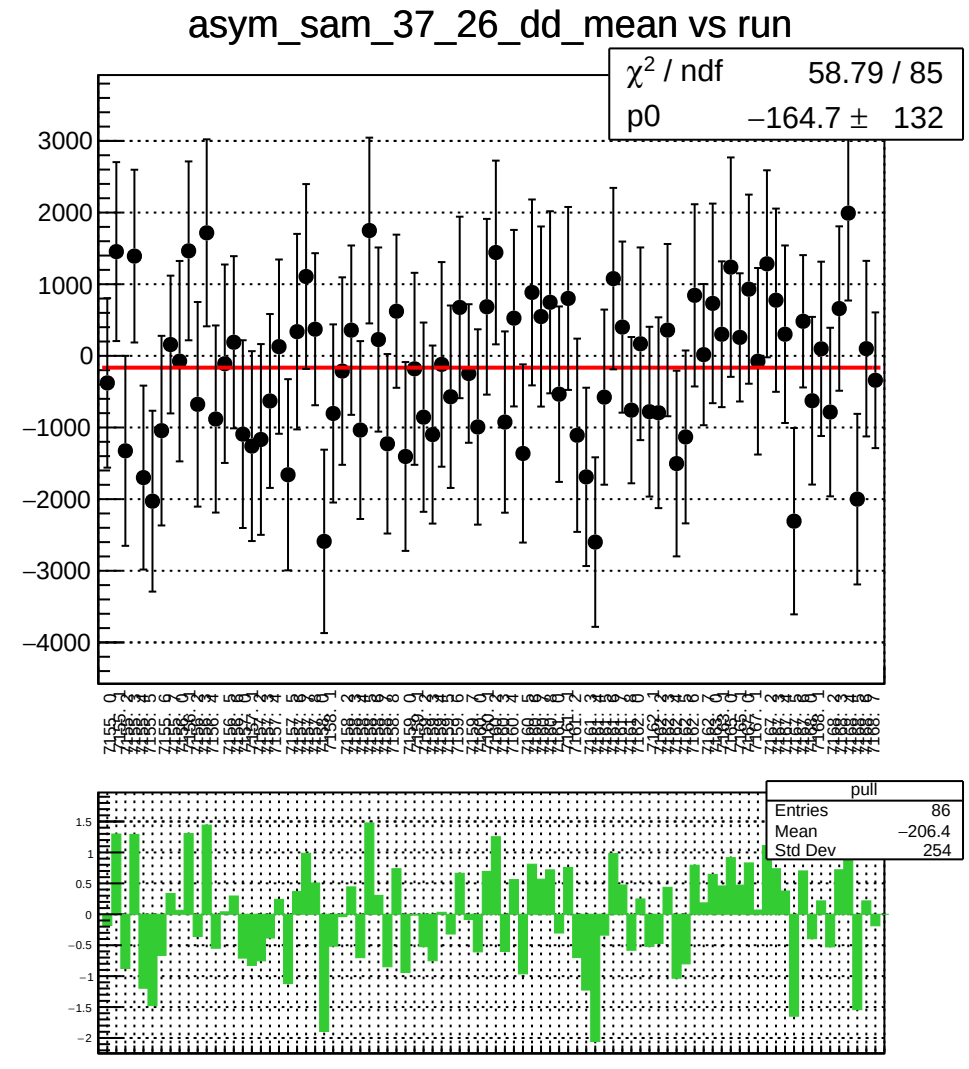

pull1D
Entries 86
Mean 0.03303
Std Dev 1.229
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

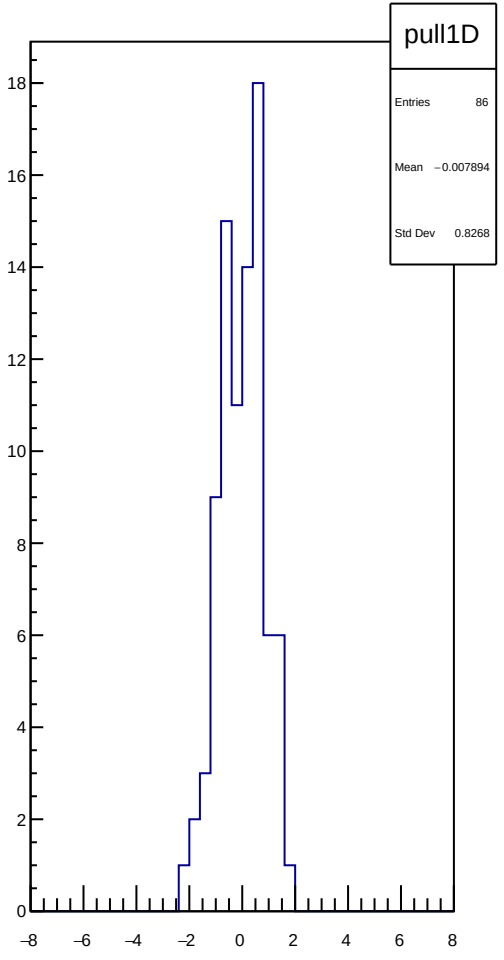

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 4656 / 85
p0 37.36 ± 0.02894
55
50
45
40
35

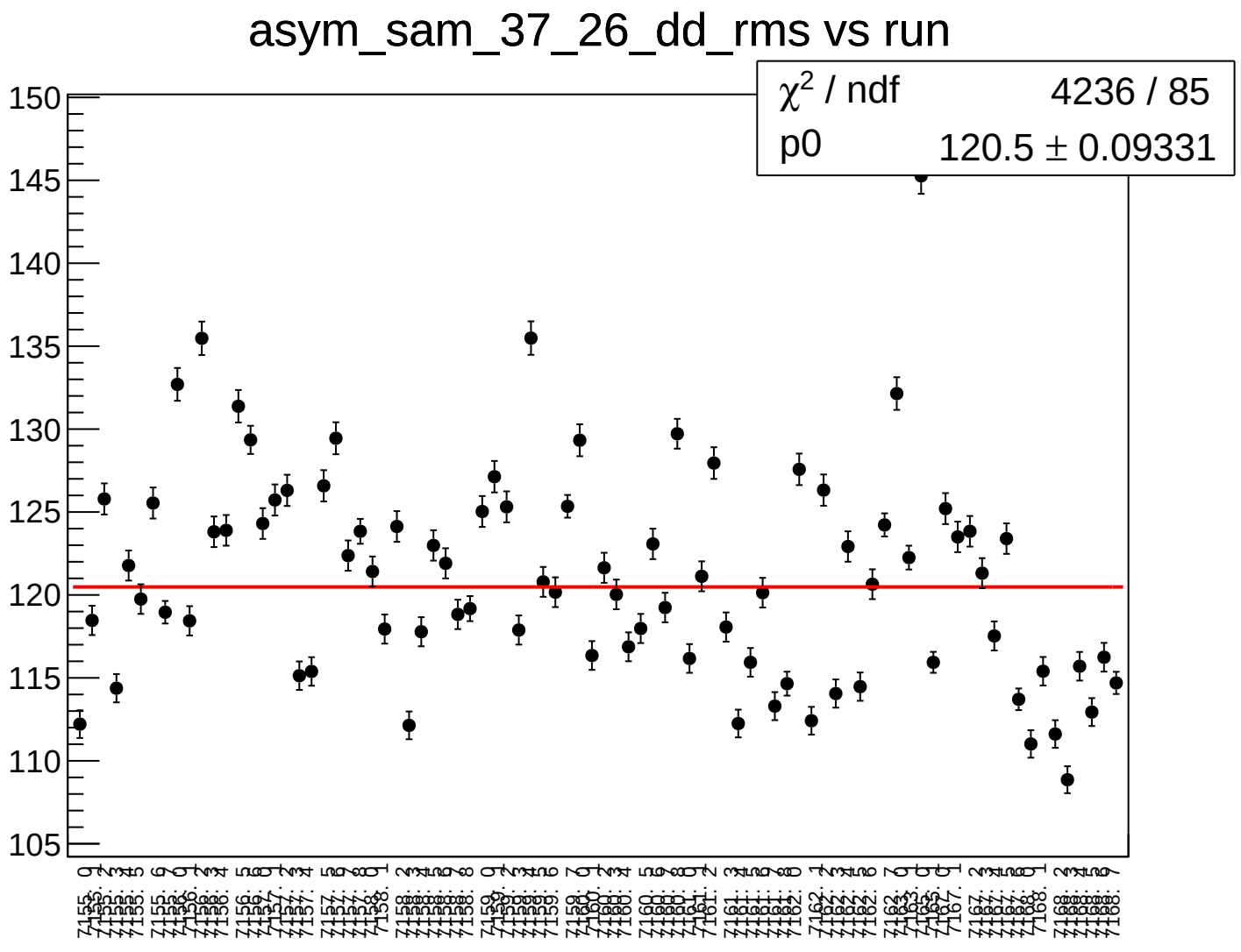

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 63.48 / 85
p0 150.9 ± 143.3
pull
Entries 86
Mean −57.87
Std Dev 106

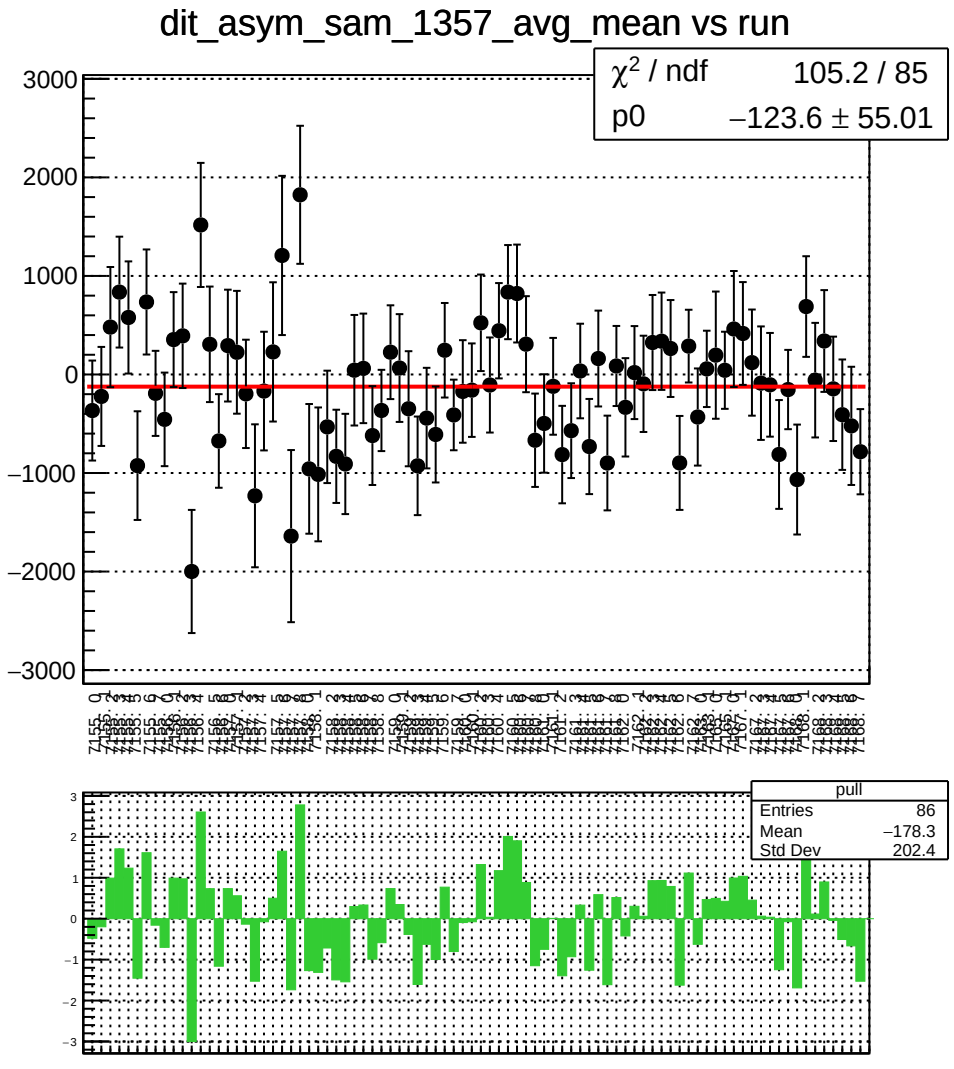

pull1D
Entries 86
Mean 0.01602
Std Dev 0.859

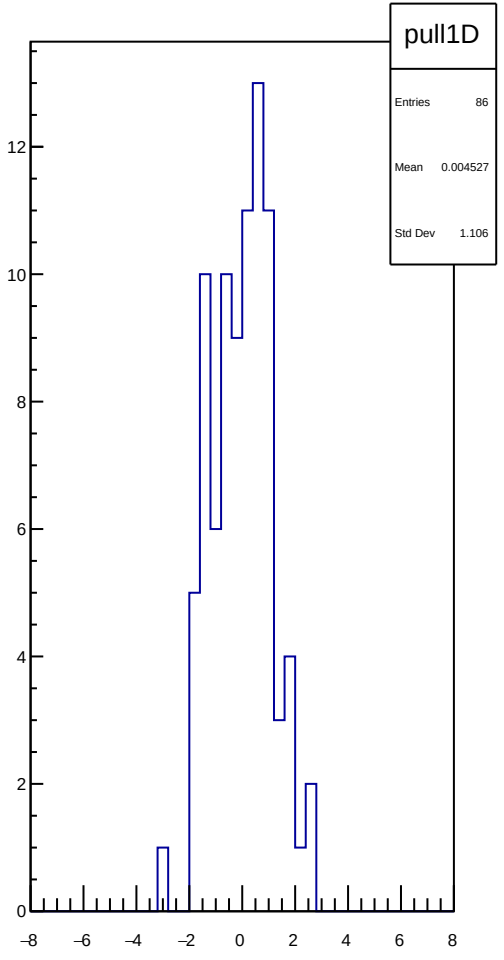

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3077 / 85
p0 130.8 ± 0.1013
150
145
140
135
130
125
120
115

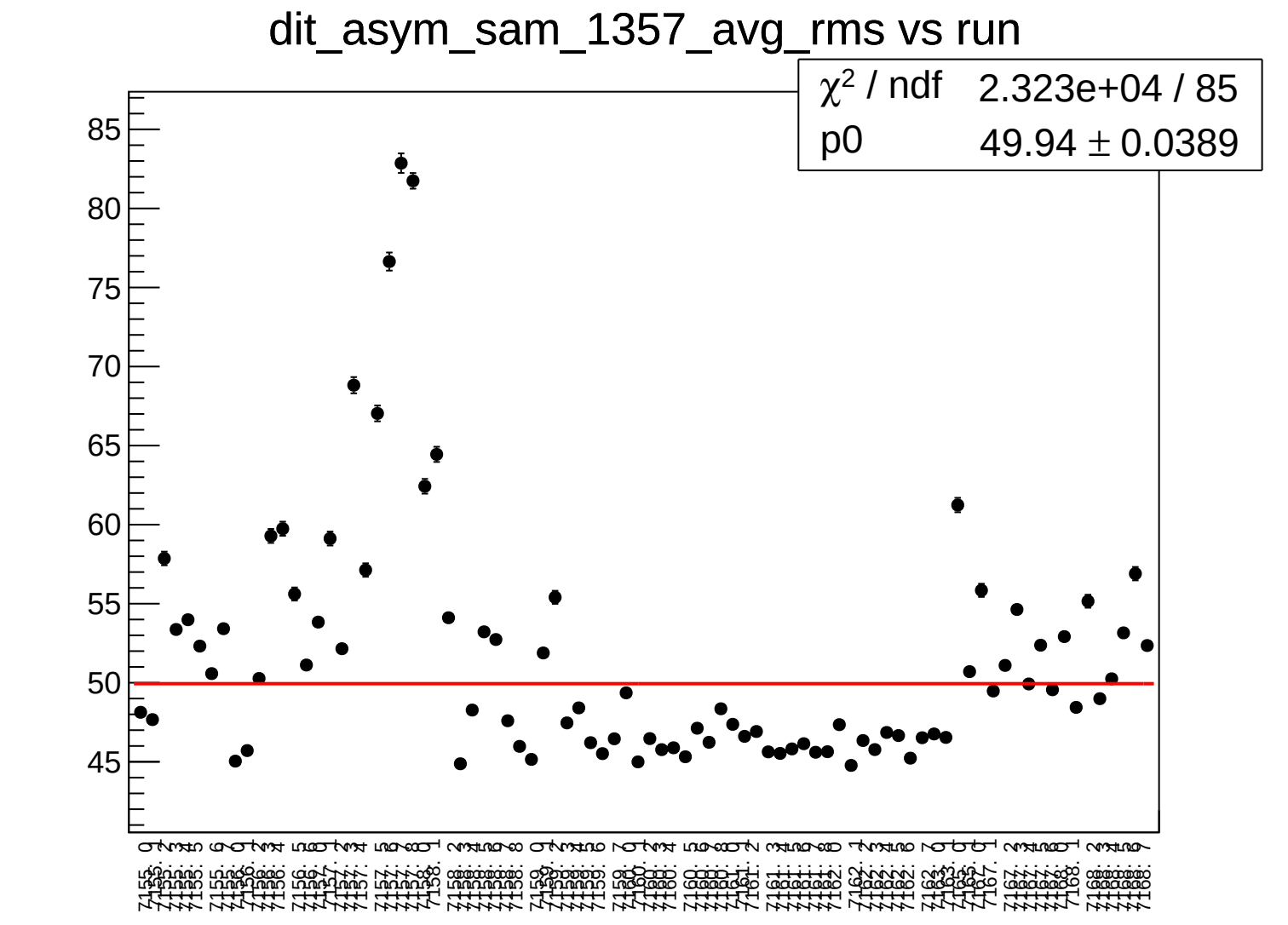

asym_sam_37_26_dd_mean vs run
χ² / ndf 58.79 / 85
p0 −164.7 ± 132
pull
Entries 86
Mean −206.4
Std Dev 254

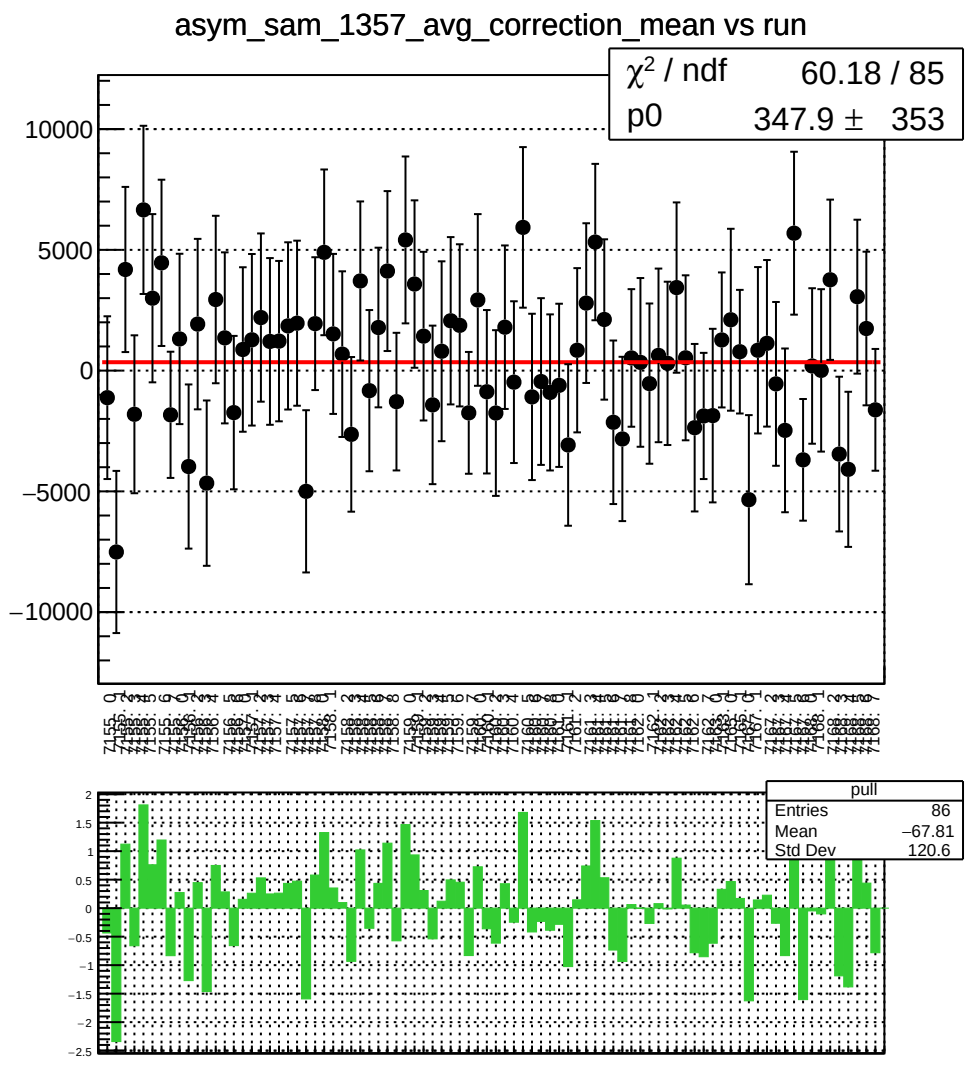

pull1D
Entries 86
Mean −0.007894
Std Dev 0.8268

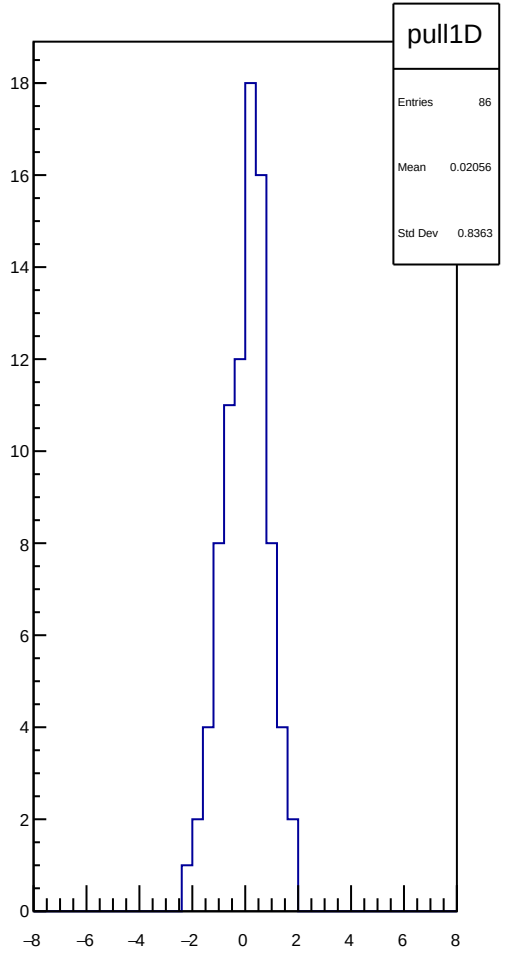

asym_sam_37_26_dd_rms vs run
χ² / ndf 4236 / 85
p0 120.5 ± 0.09331
150
145
140
135
130
125
120
115
110
105

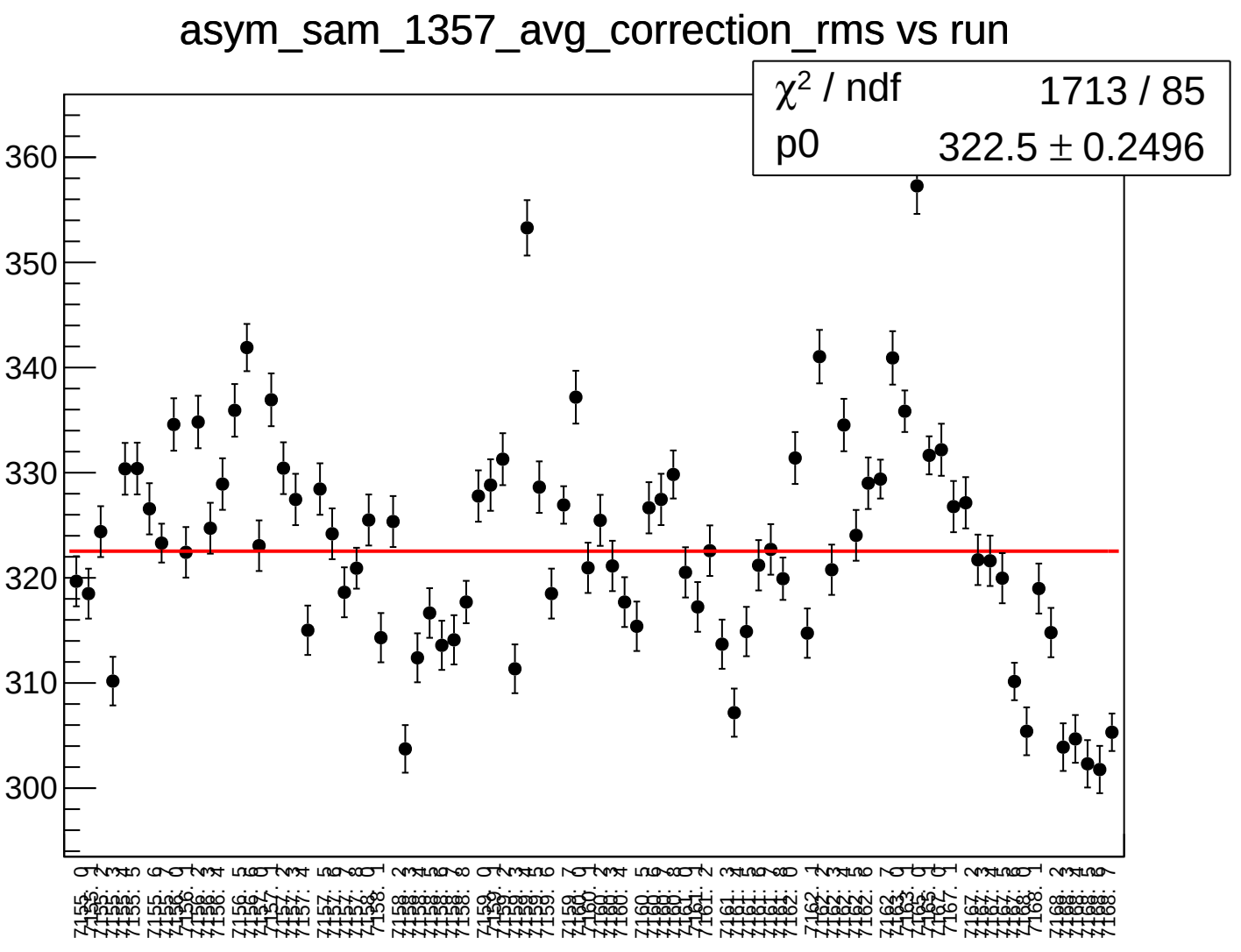

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 105.2 / 85
p0 −123.6 ± 55.01
pull
Entries 86
Mean −178.3
Std Dev 202.4

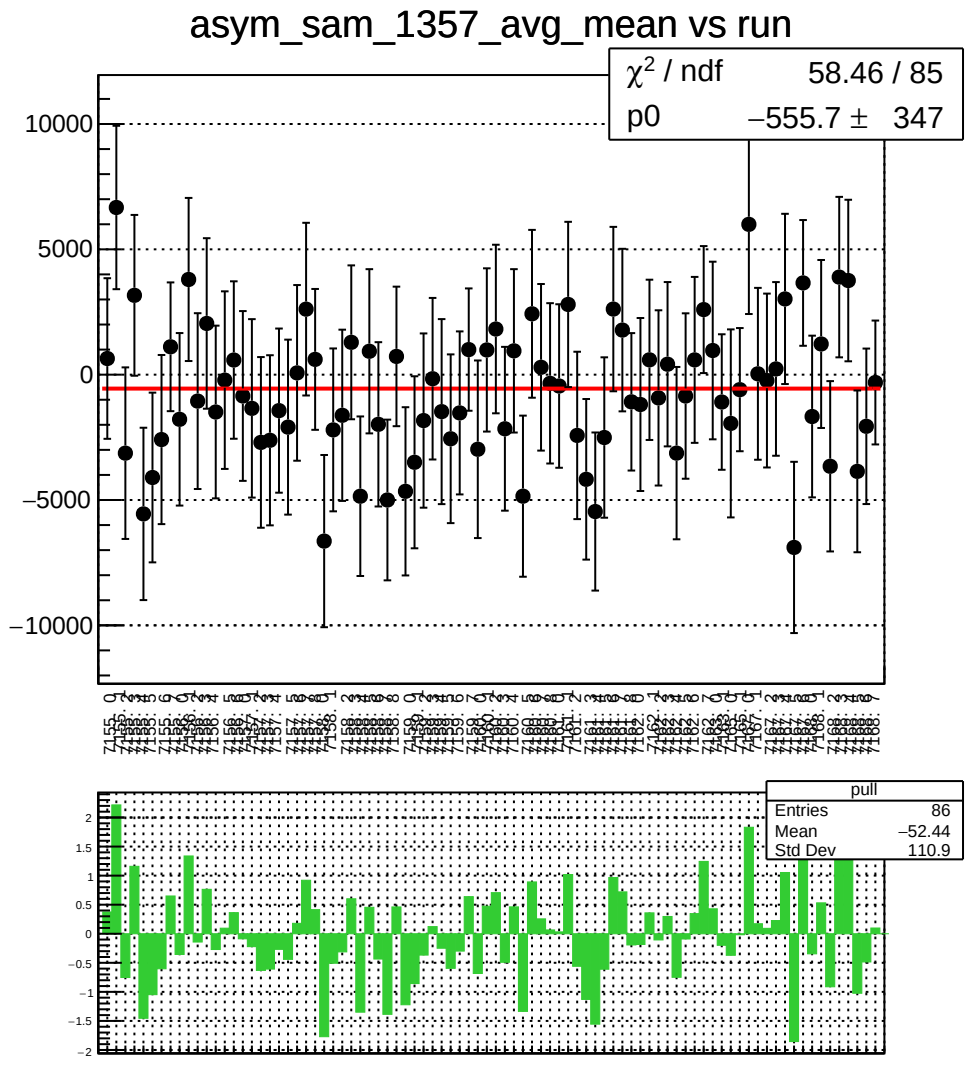

pull1D
Entries 86
Mean 0.004527
Std Dev 1.106

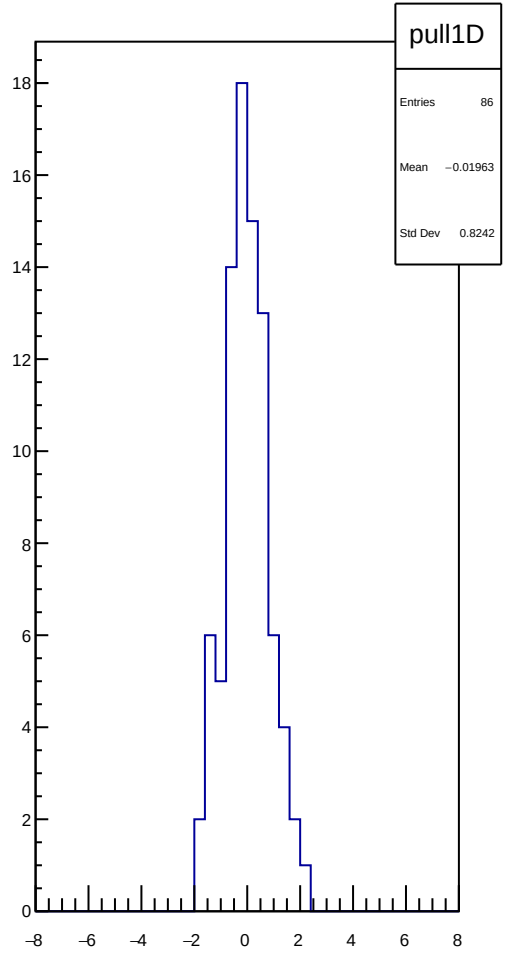

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.323e+04 / 85
p0 49.94 ± 0.0389
85
80
75
70
65
60
55
50
45

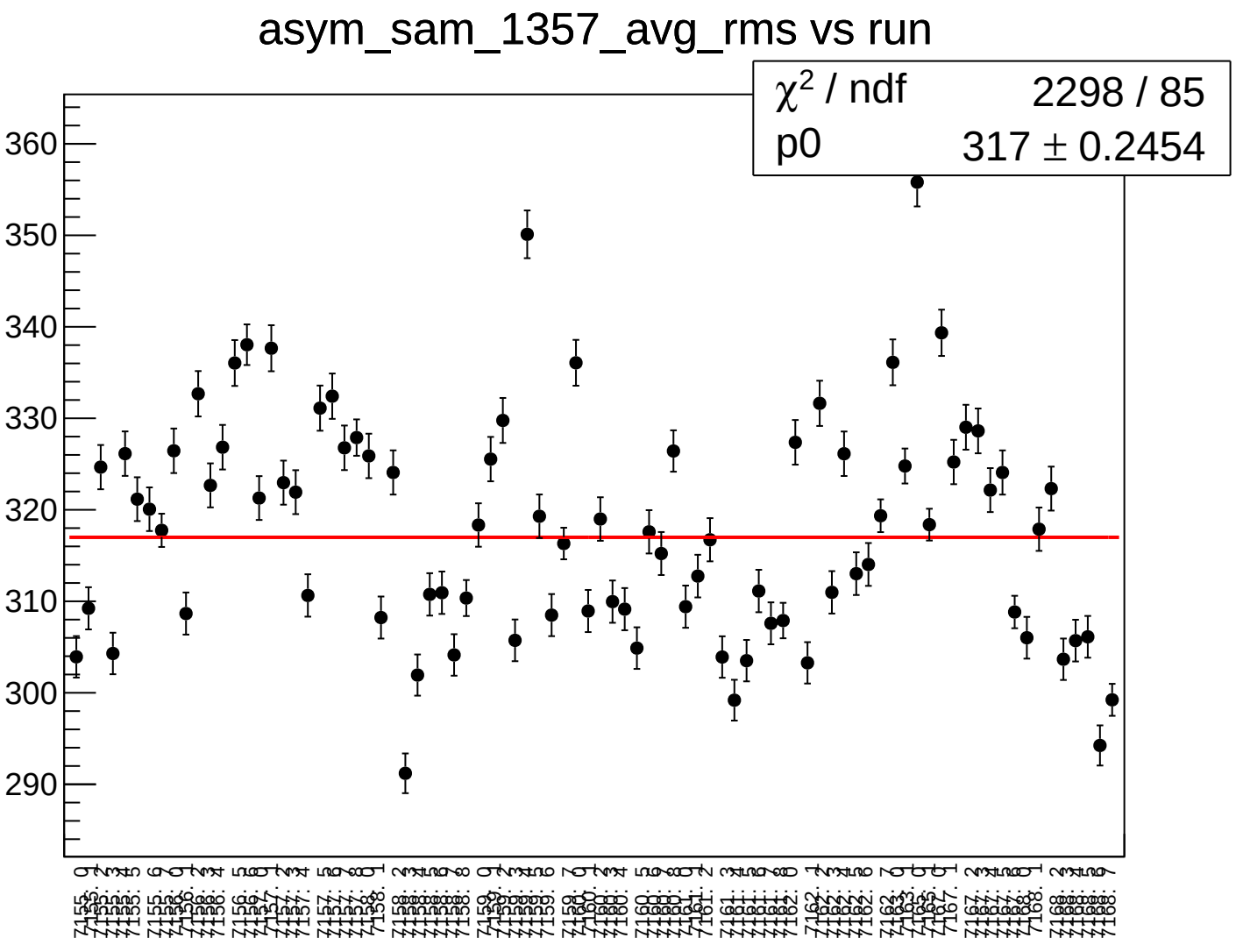

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 60.18 / 85
p0 347.9 ± 353
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −67.81
Std Dev 120.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

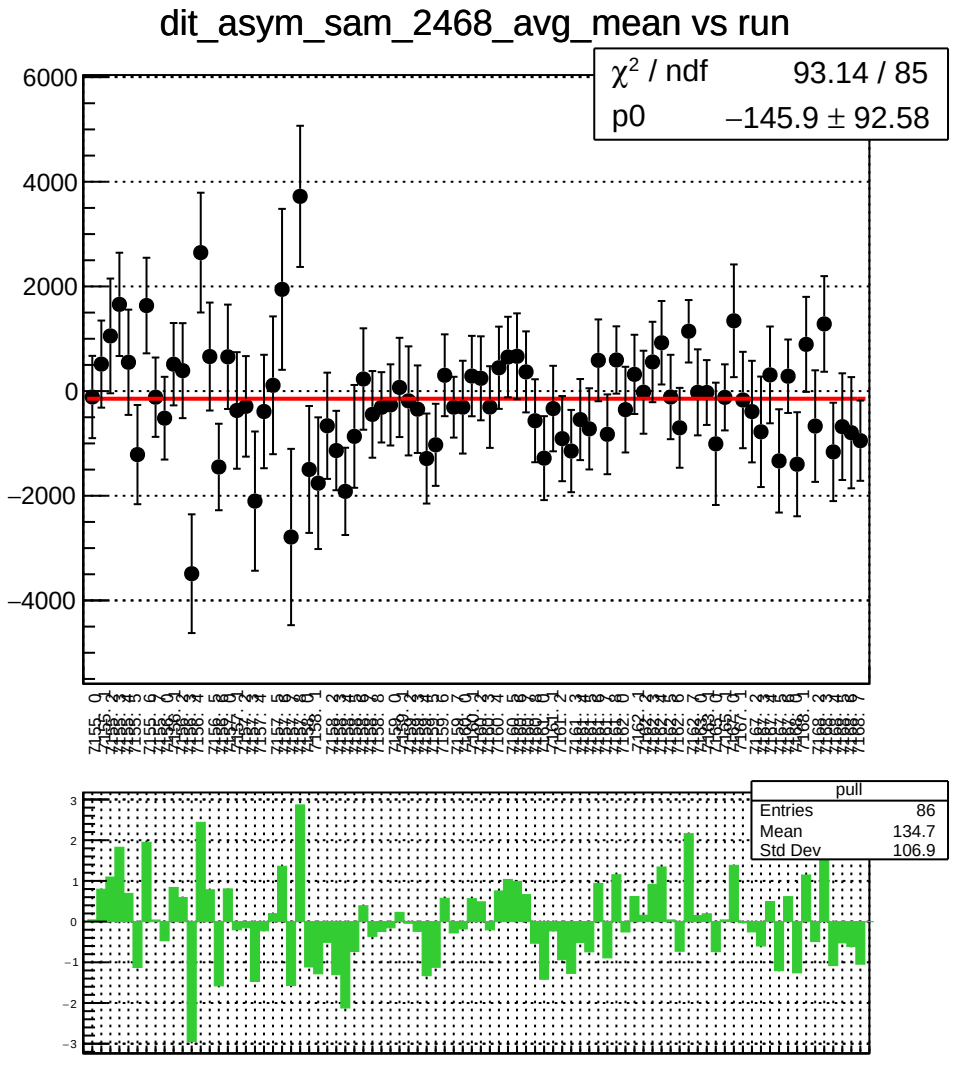

pull1D
Entries 86
Mean 0.02056
Std Dev 0.8363
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

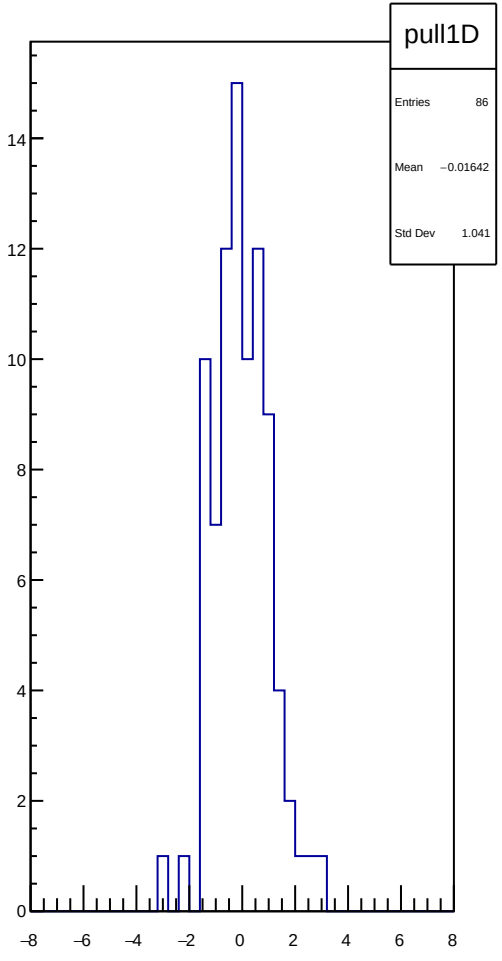

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1713 / 85
p0 322.5 ± 0.2496
360
350
340
330
320
310
300

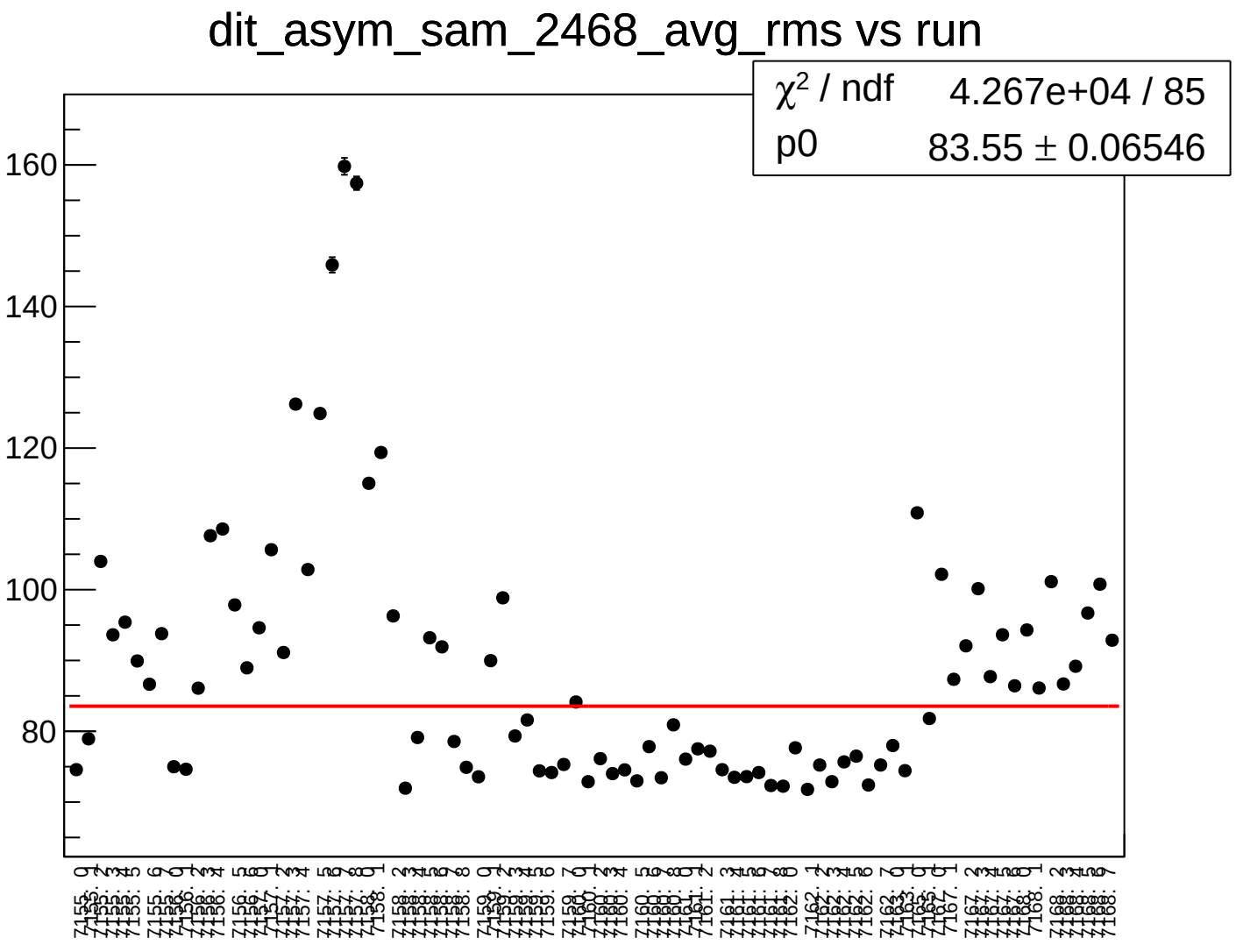

asym_sam_1357_avg_mean vs run
χ² / ndf 58.46 / 85
p0 −555.7 ± 347
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −52.44
Std Dev 110.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

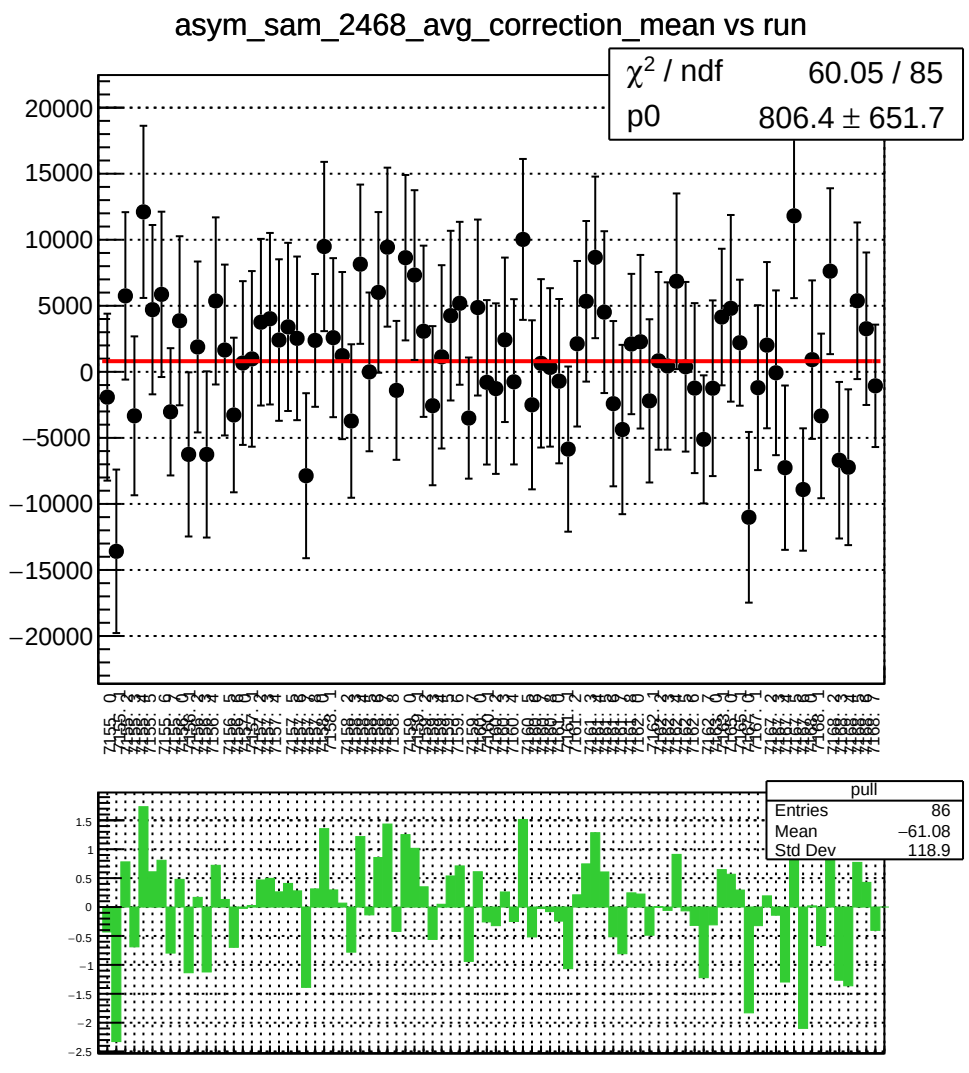

pull1D
Entries 86
Mean −0.01963
Std Dev 0.8242
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

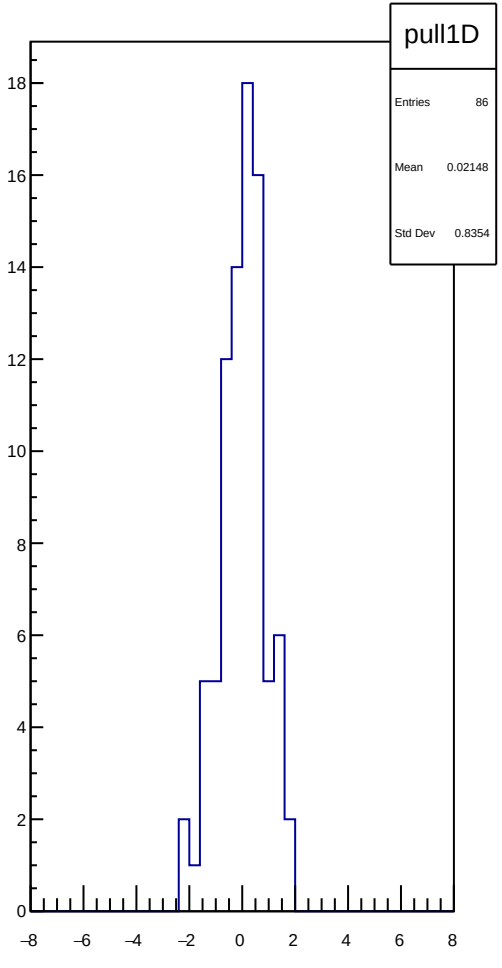

asym_sam_1357_avg_rms vs run
χ^2 / ndf 2298 / 85
p0 317 ± 0.2454
360
350
340
330
320
310
300
290

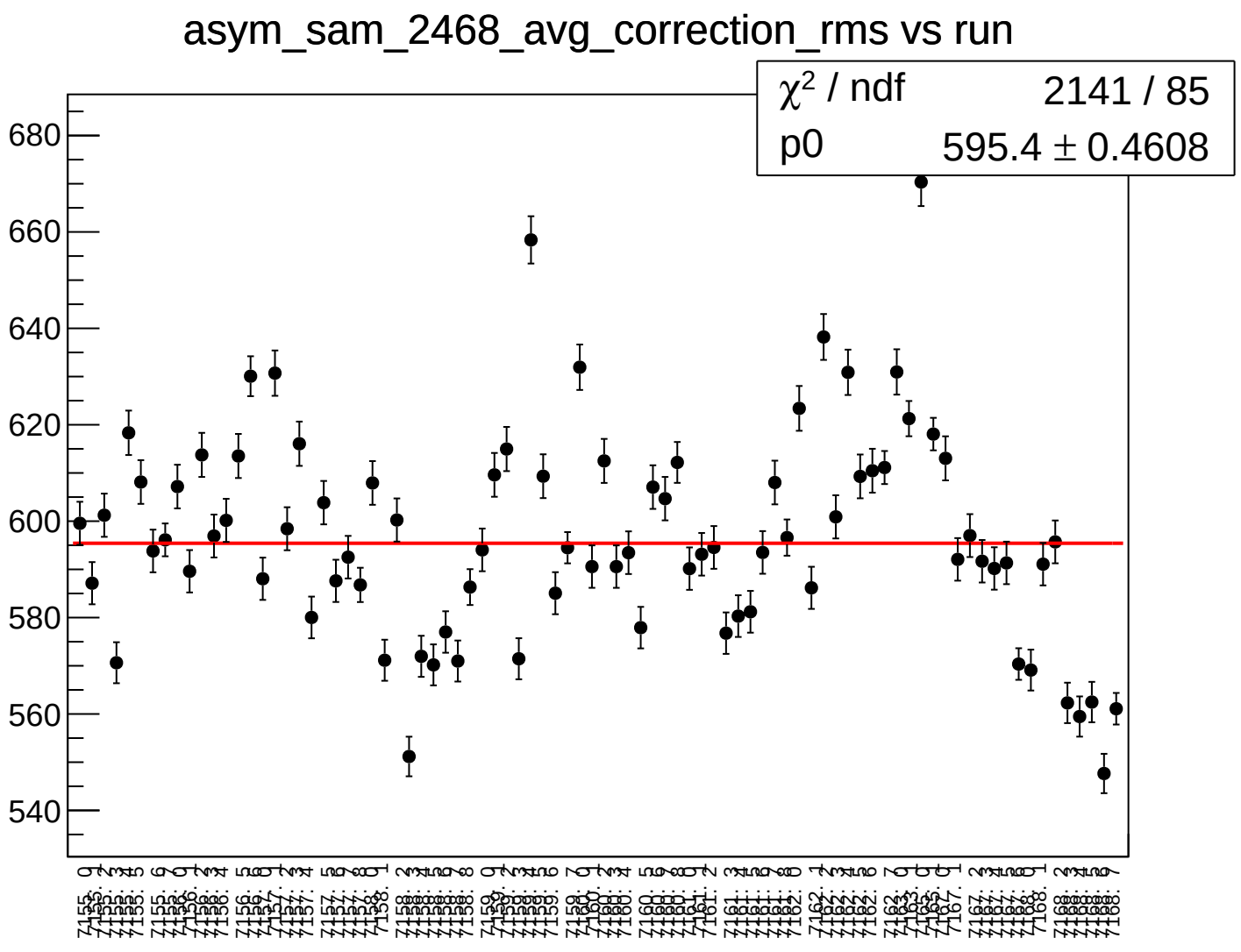

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 93.14 / 85
p0 −145.9 ± 92.58
pull
Entries 86
Mean 134.7
Std Dev 106.9

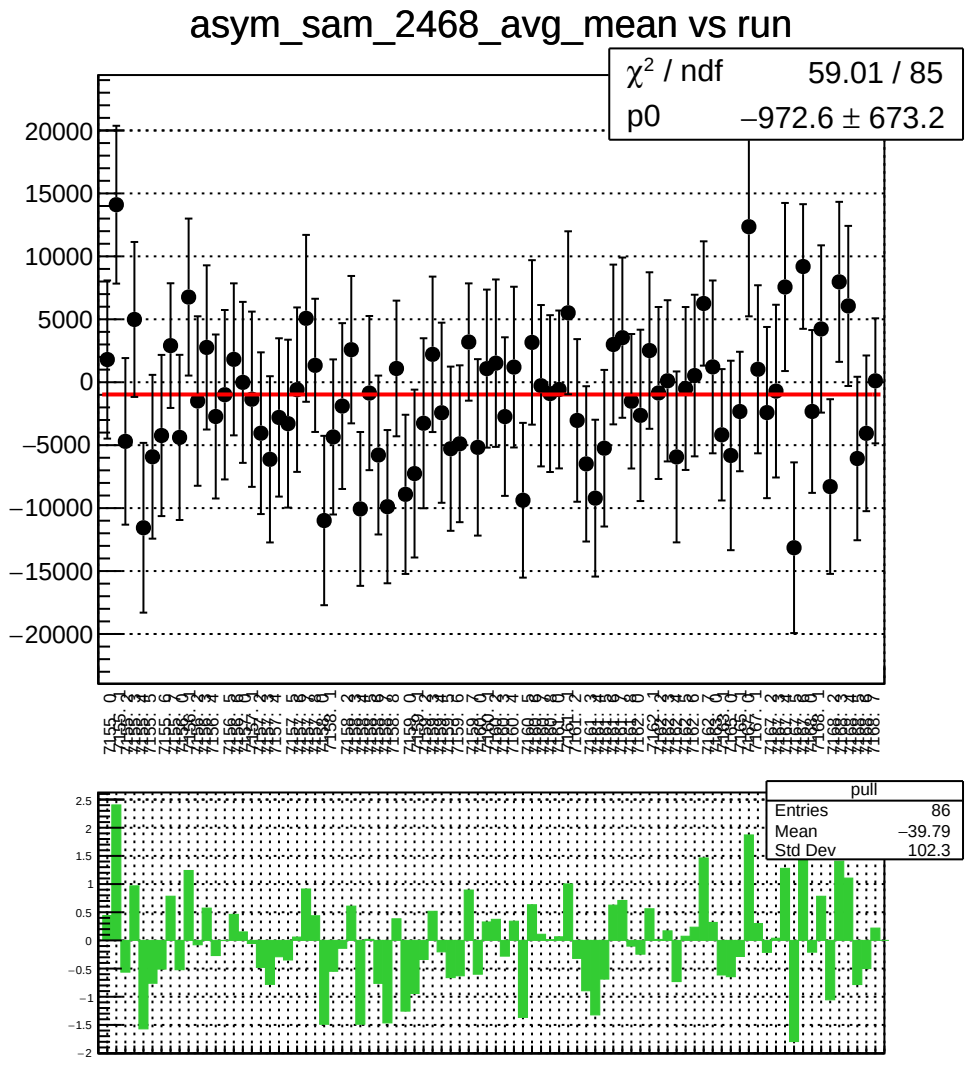

pull1D
Entries 86
Mean −0.01642
Std Dev 1.041

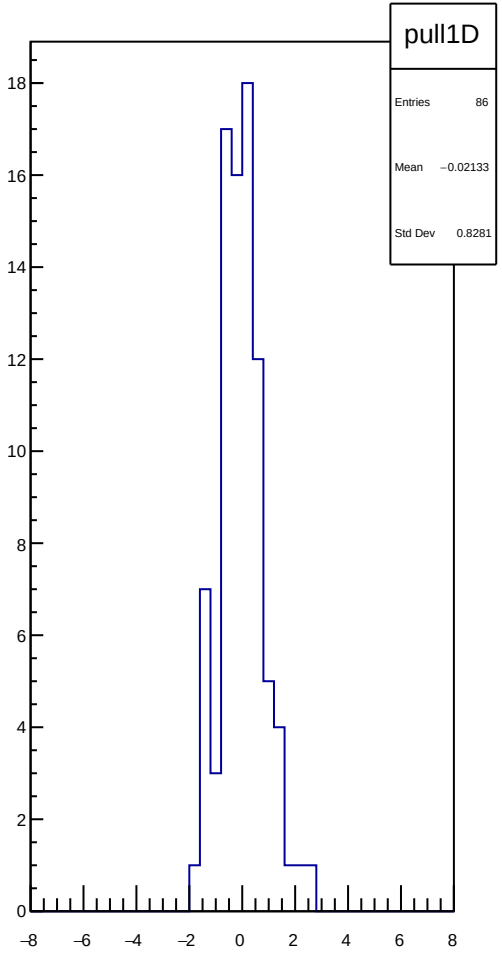

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4.267e+04 / 85
p0 83.55 ± 0.06546
160
140
120
100
80

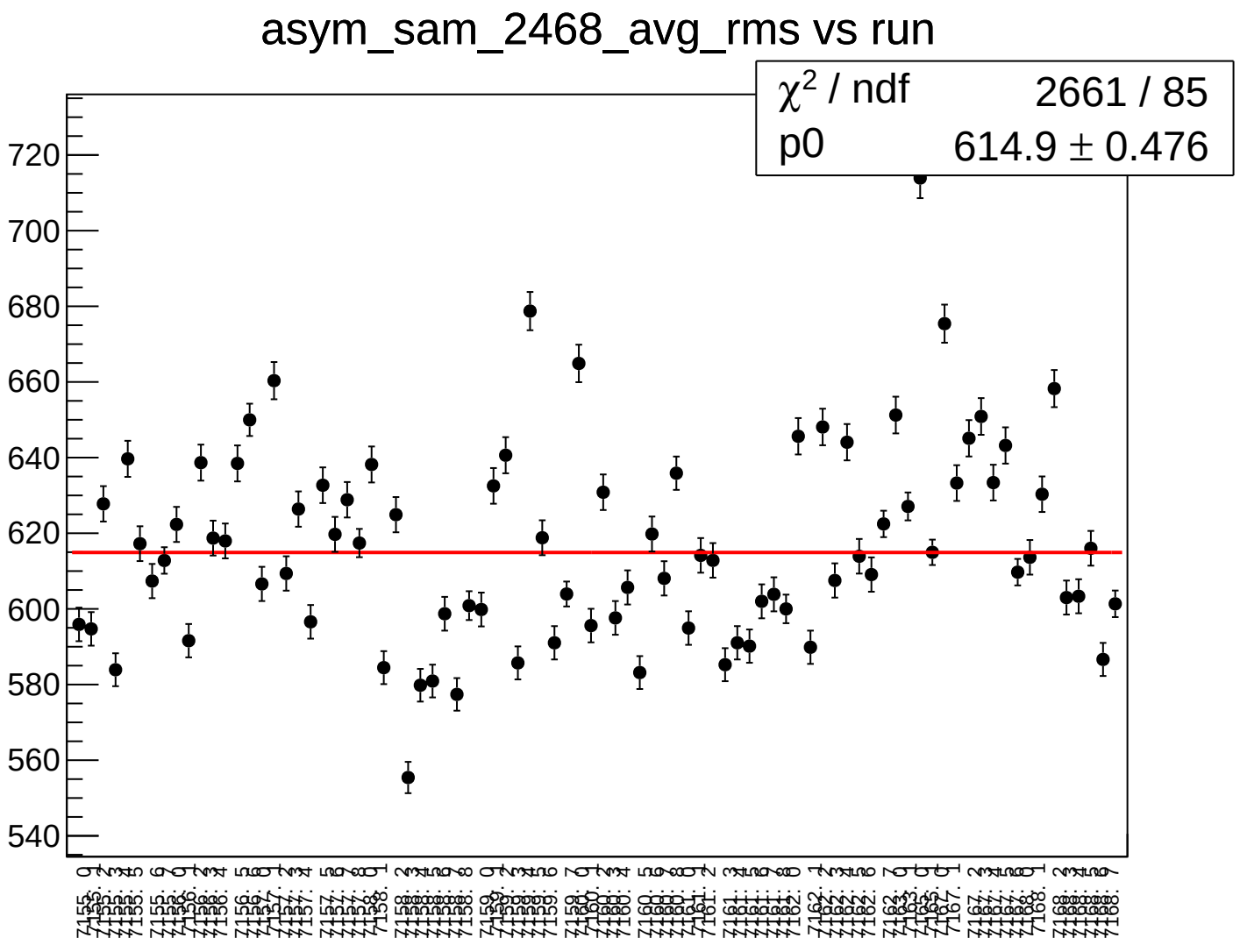

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 60.05 / 85
p0 806.4 ± 651.7
pull
Entries 86
Mean −61.08
Std Dev 118.9

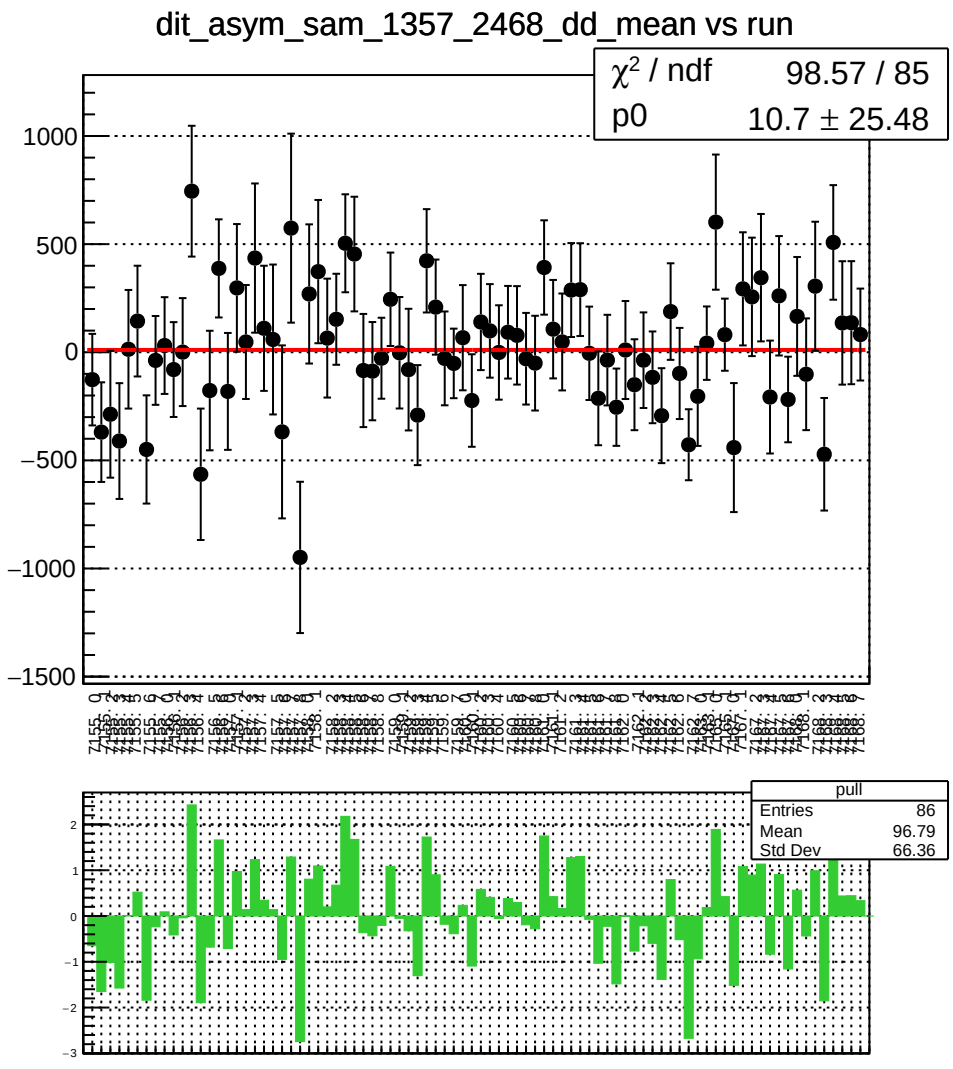

pull1D
Entries 86
Mean 0.02148
Std Dev 0.8354

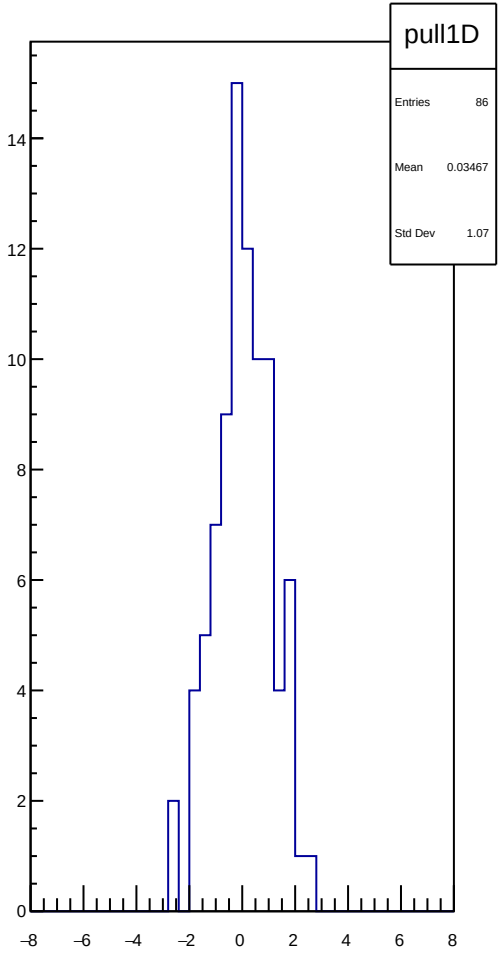

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2141 / 85
p0 595.4 ± 0.4608
680
660
640
620
600
580
560
540

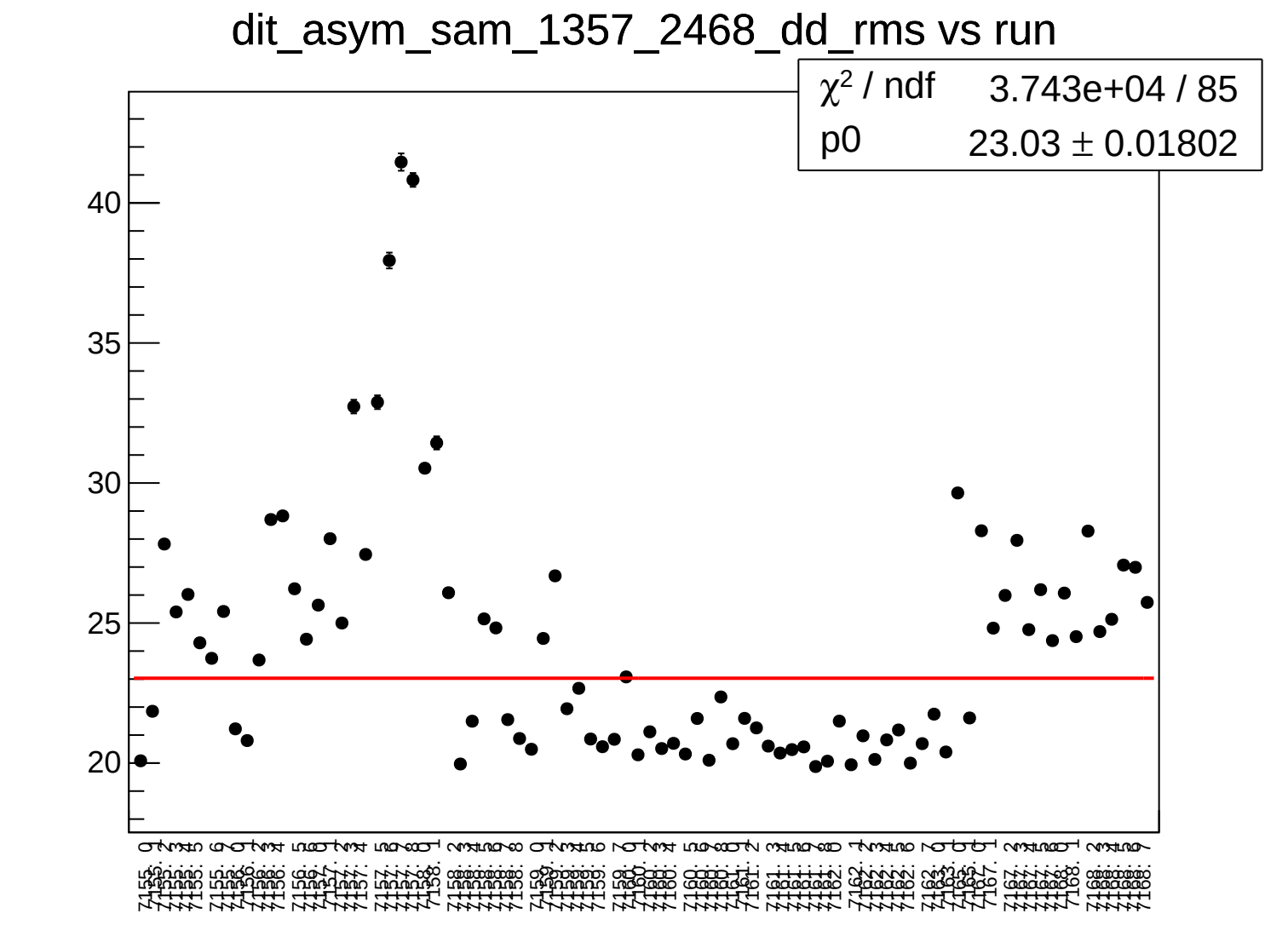

asym_sam_2468_avg_mean vs run
χ² / ndf 59.01 / 85
p0 −972.6 ± 673.2
pull
Entries 86
Mean −39.79
Std Dev 102.3

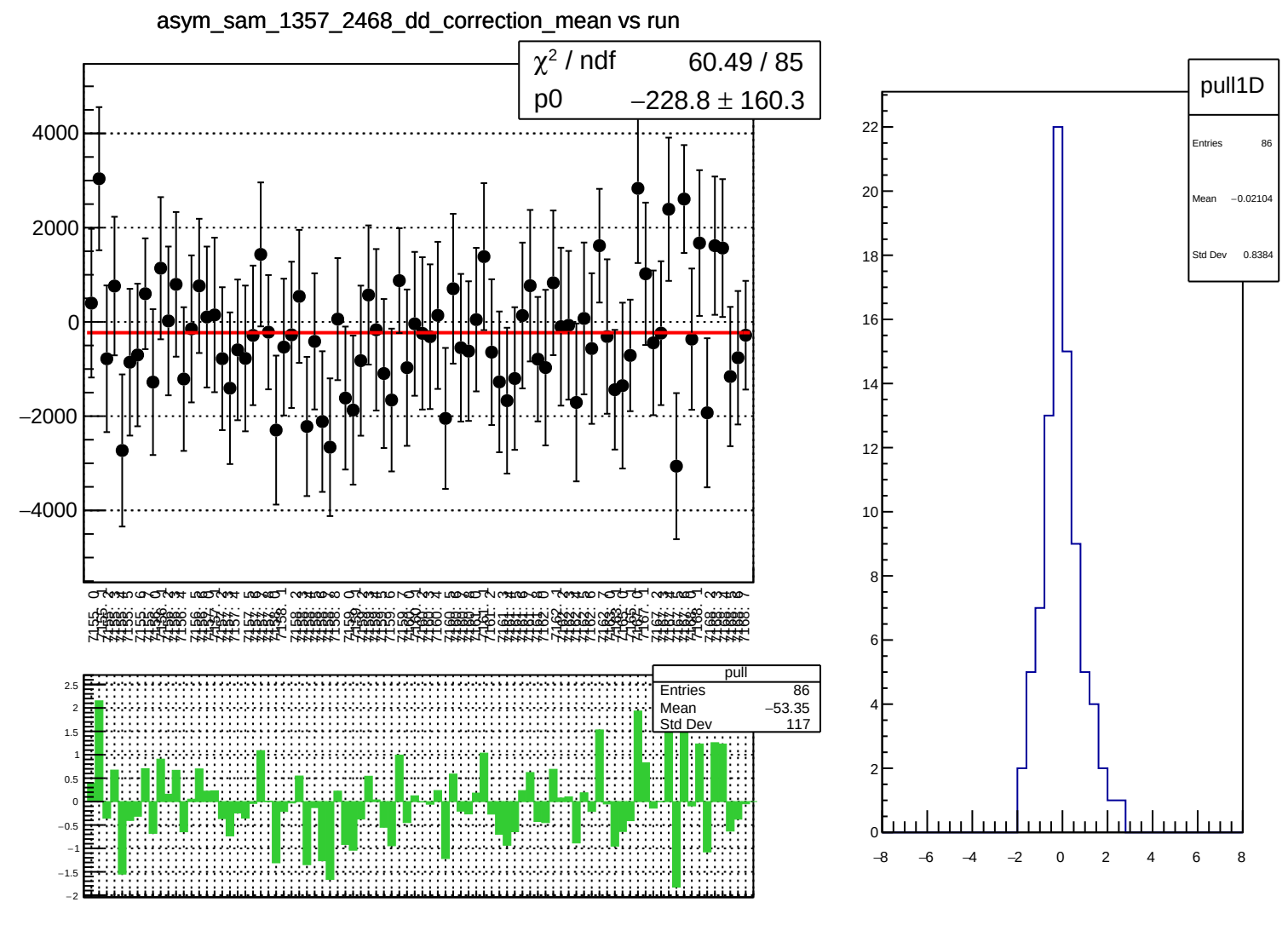

pull1D
Entries 86
Mean −0.02133
Std Dev 0.8281

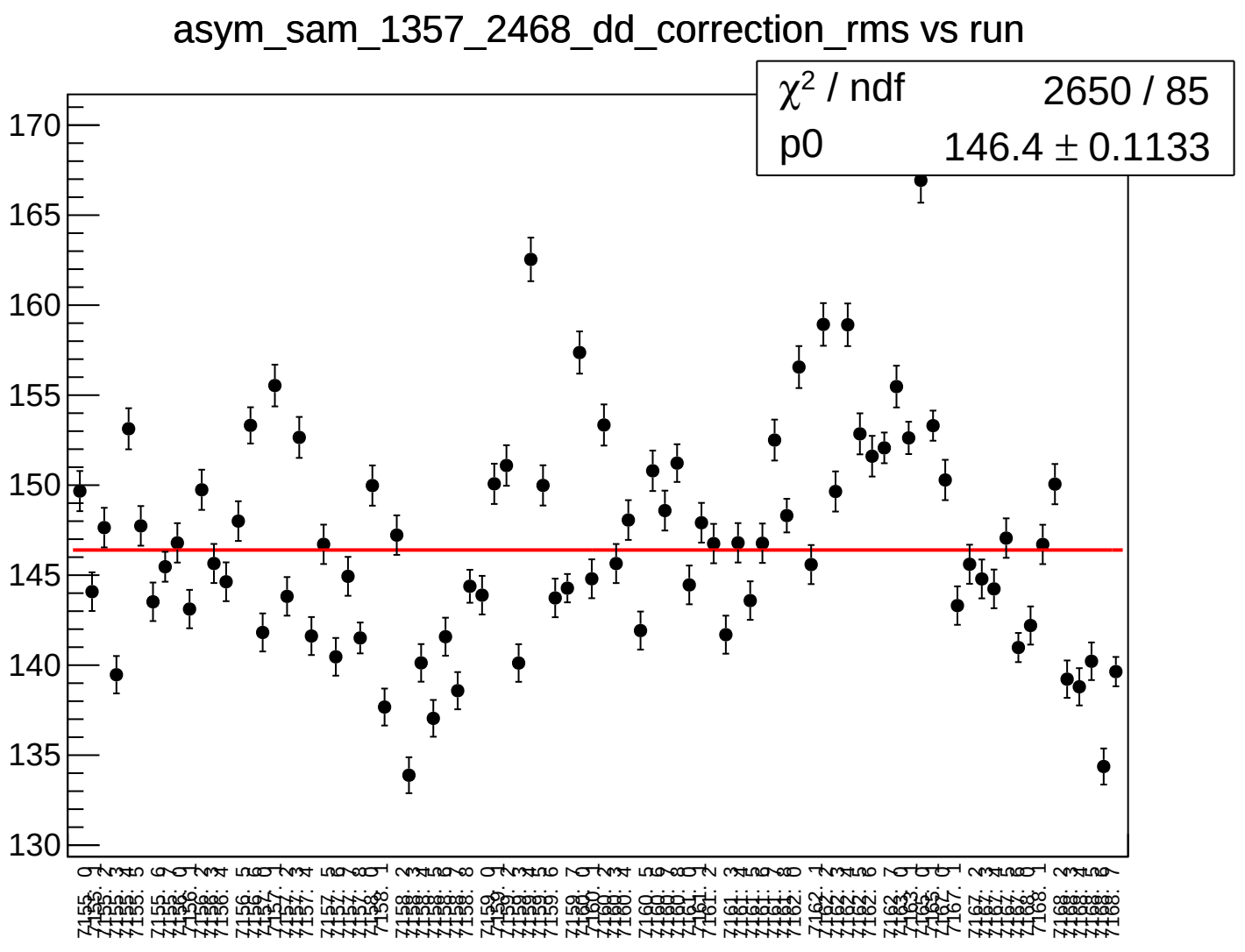

asym_sam_2468_avg_rms vs run
χ² / ndf 2661 / 85
p0 614.9 ± 0.476
720
700
680
660
640
620
600
580
560
540

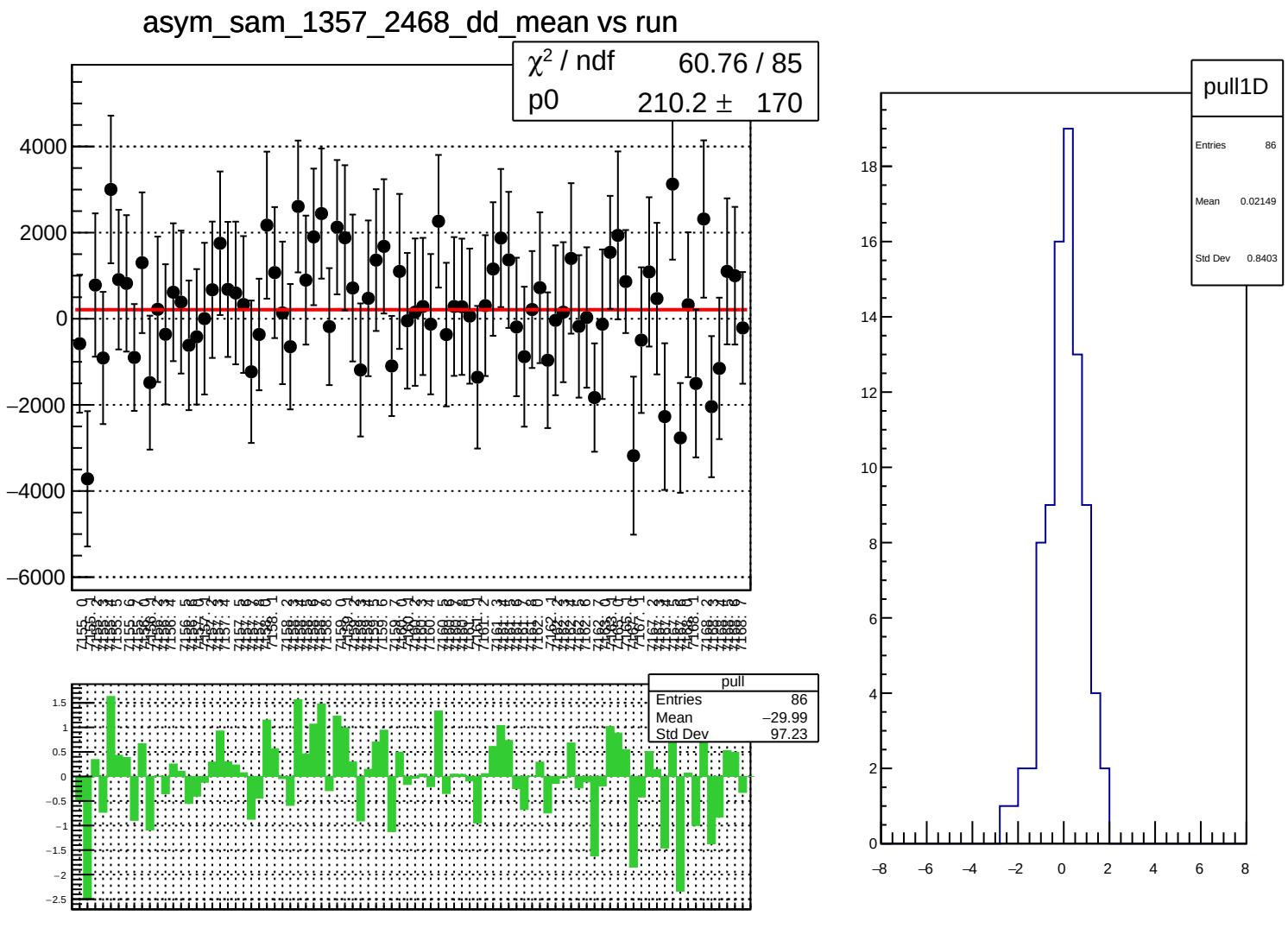

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 98.57 / 85
p0 10.7 ± 25.48
pull
Entries 86
Mean 96.79
Std Dev 66.36

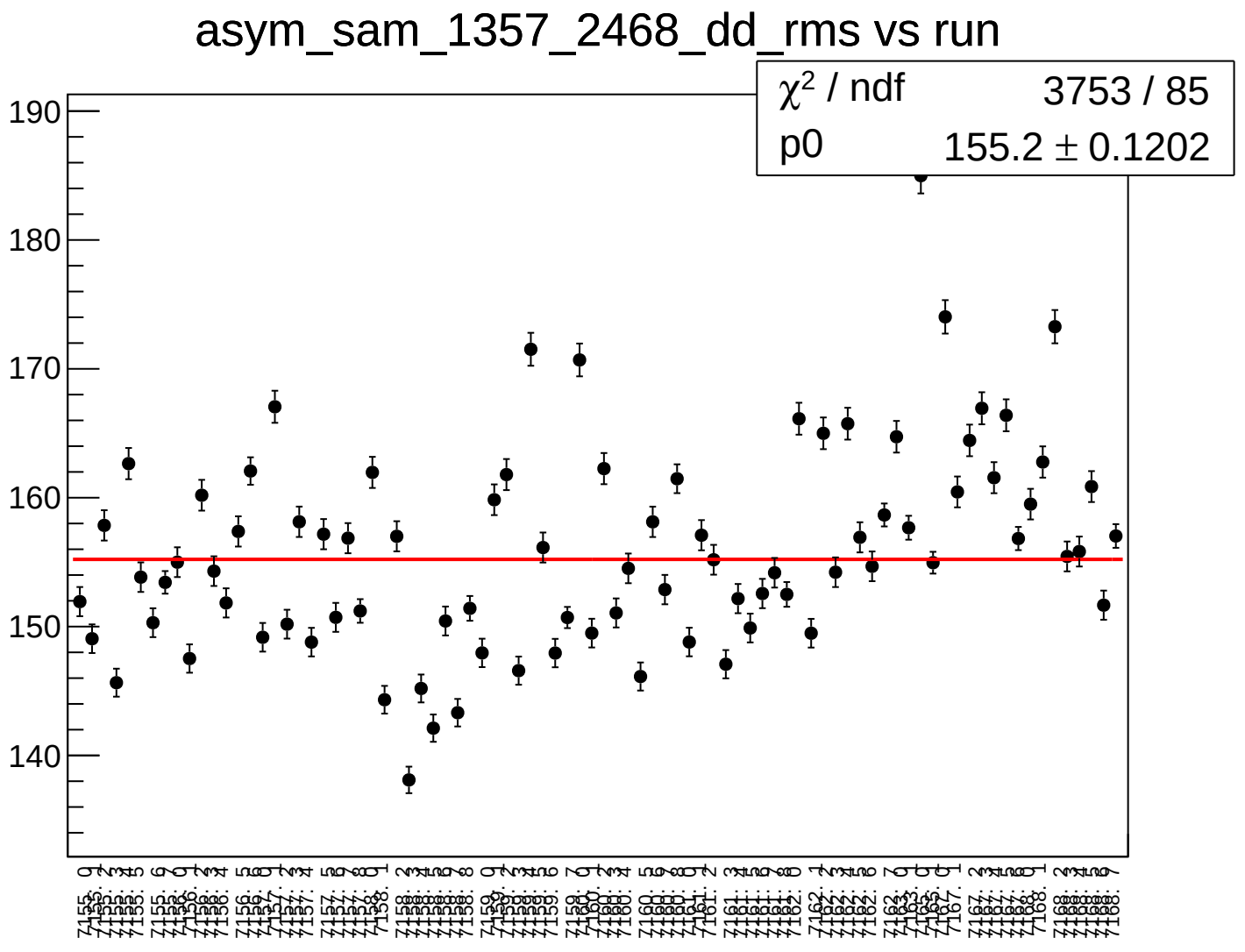

pull1D
Entries 86
Mean 0.03467
Std Dev 1.07

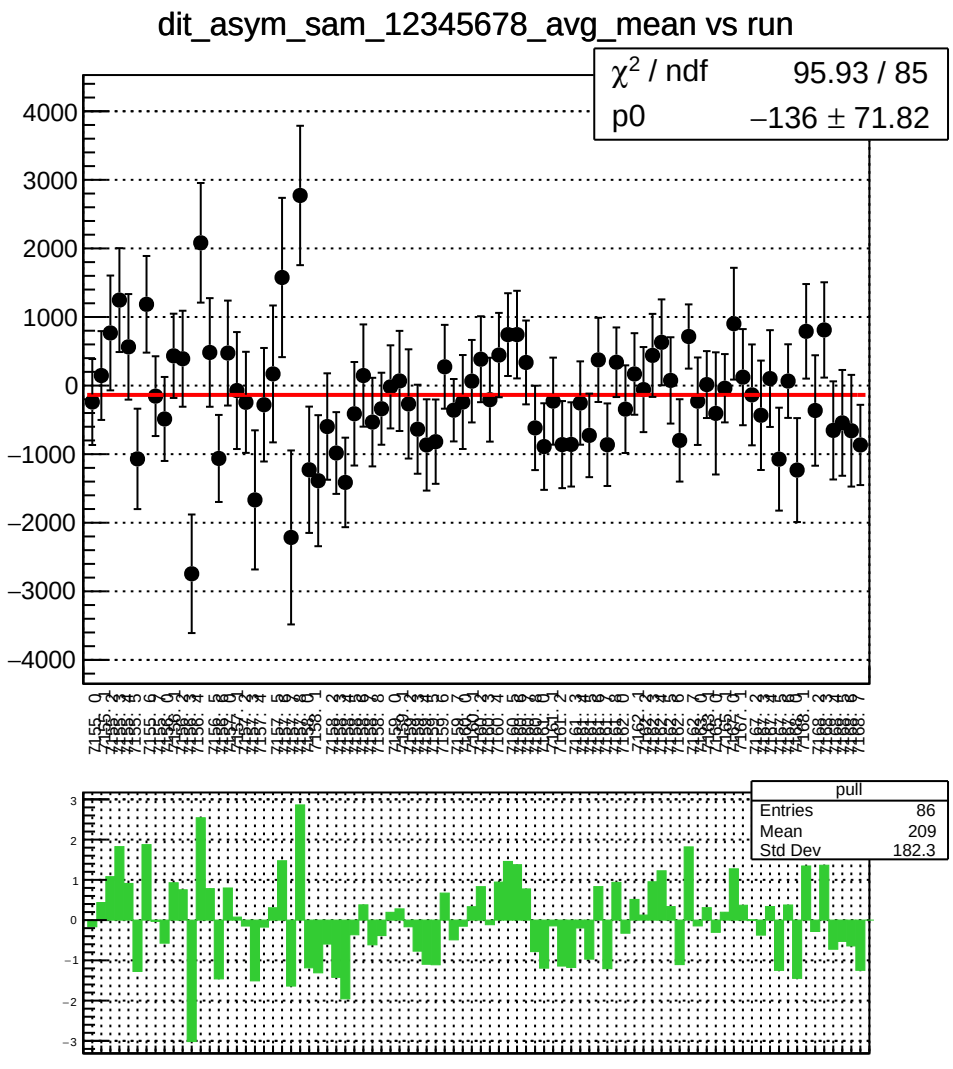

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.743e+04 / 85
p0 23.03 ± 0.01802
40
35
30
25
20

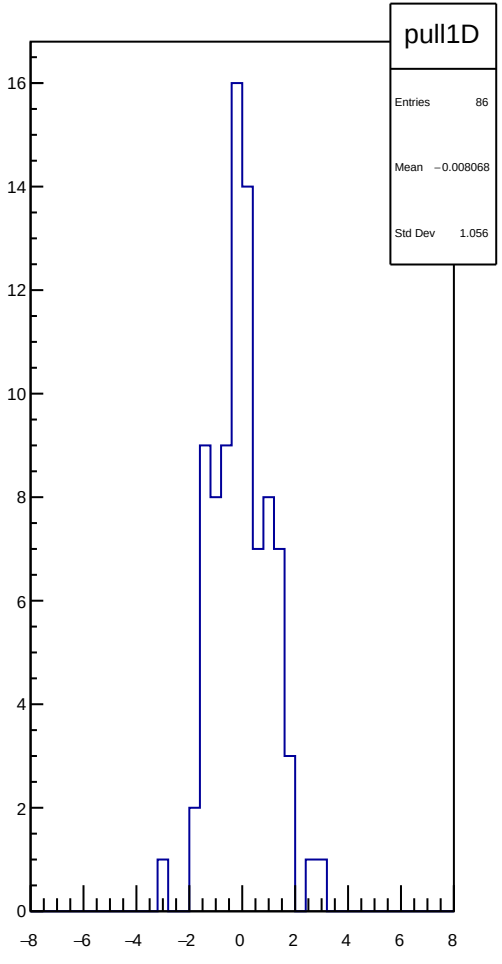

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 60.49 / 85
p0 −228.8 ± 160.3
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −53.35
Std Dev 117
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.02104
Std Dev 0.8384
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

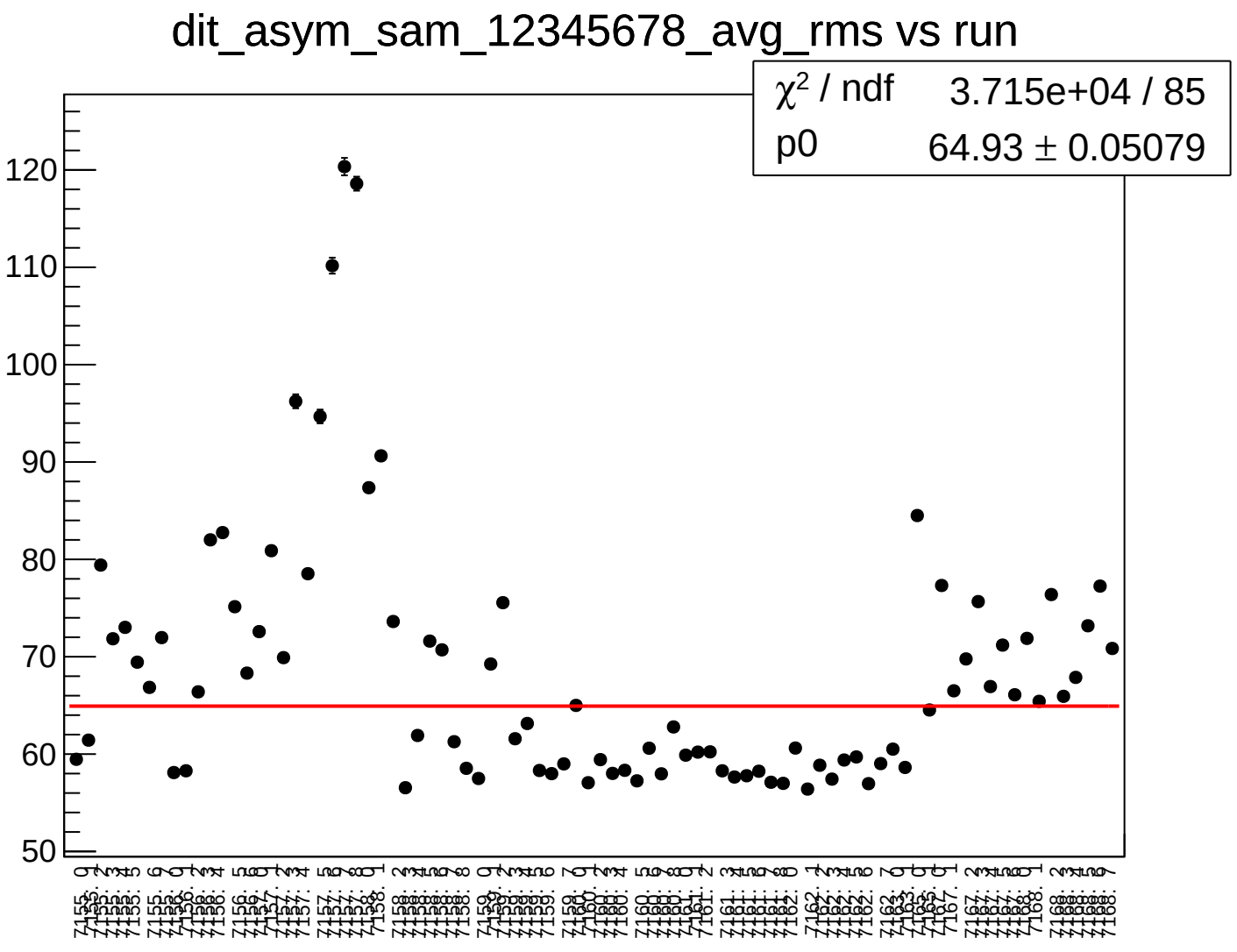

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2650 / 85
p0 146.4 ± 0.1133
170
165
160
155
150
145
140
135
130

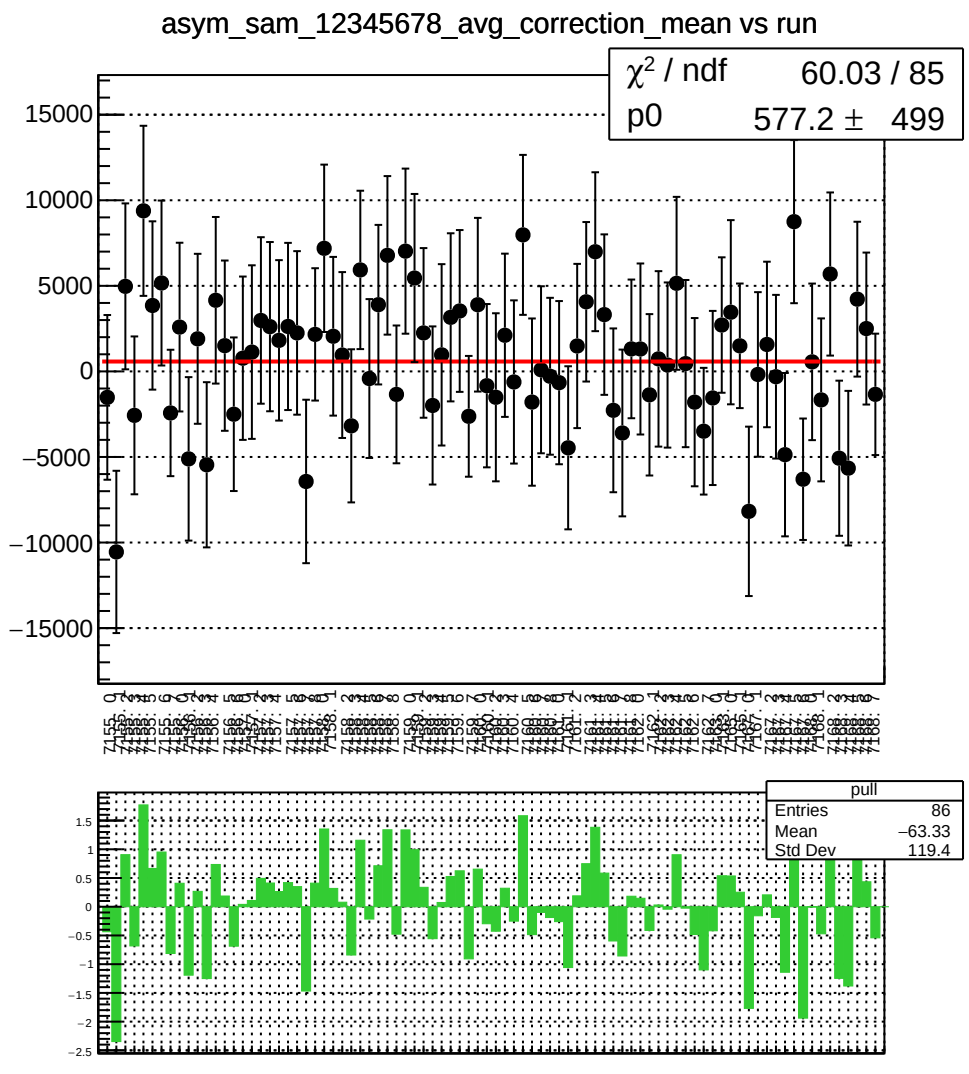

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.76 / 85
p0 210.2 ± 170
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −29.99
Std Dev 97.23
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 86
Mean 0.02149
Std Dev 0.8403
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

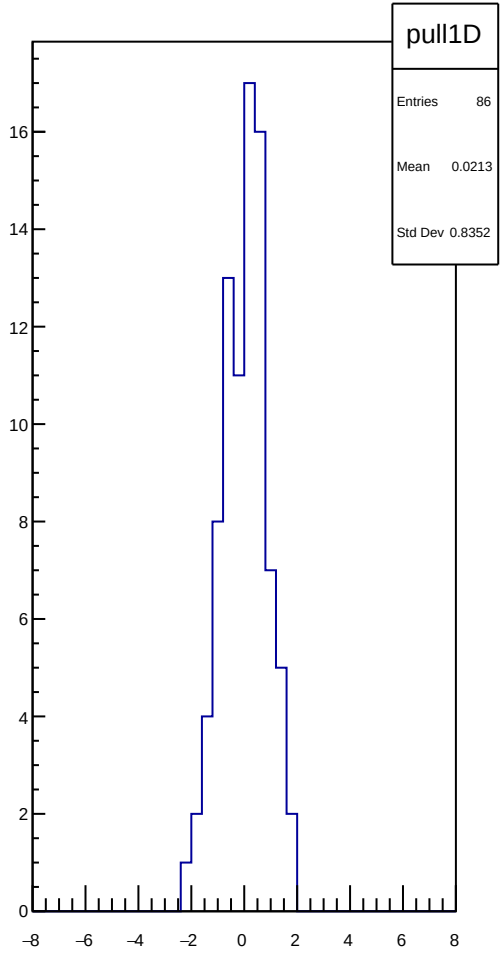

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3753 / 85
p0 155.2 ± 0.1202
190
180
170
160
150
140

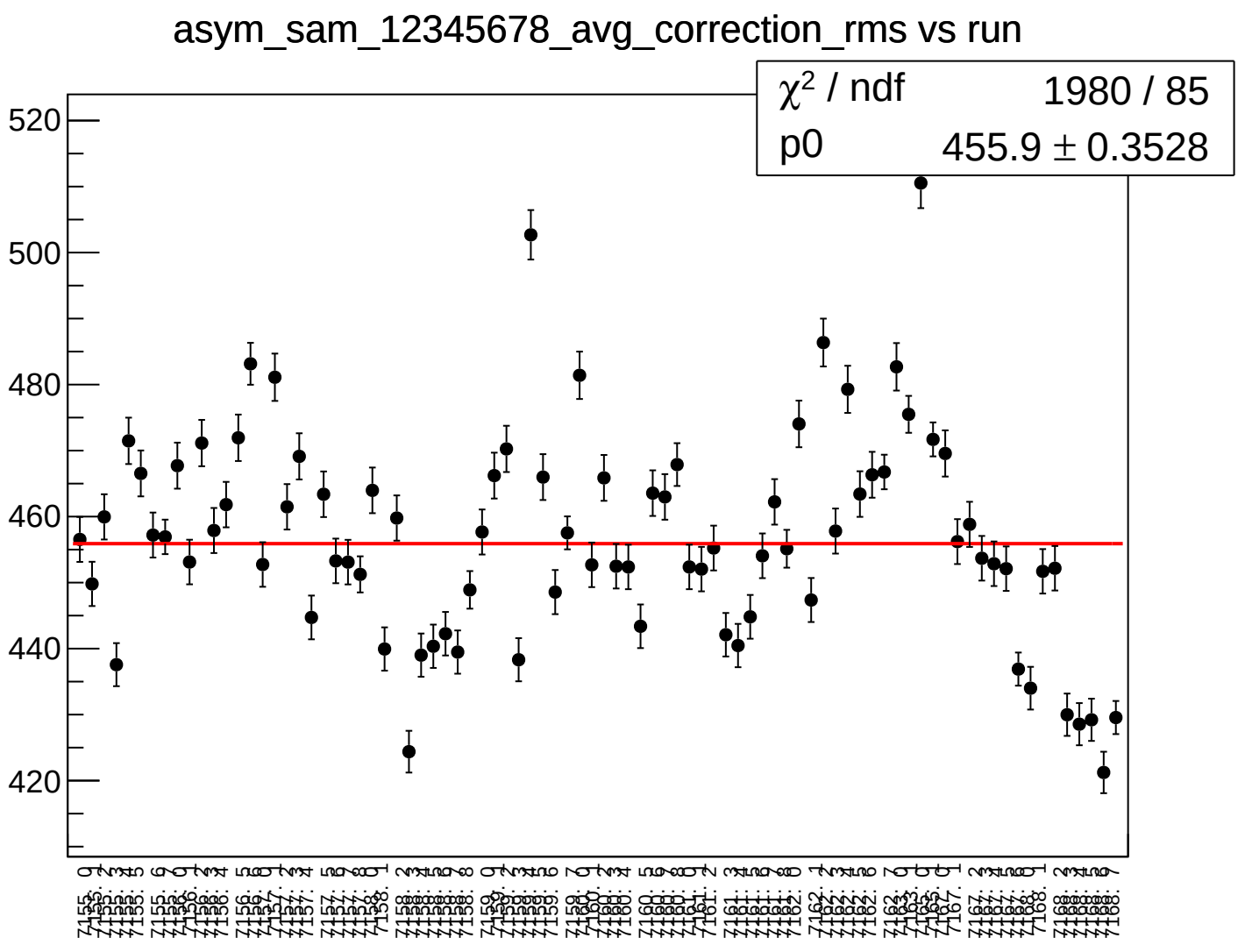

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 95.93 / 85
p0 −136 ± 71.82
pull
Entries 86
Mean 209
Std Dev 182.3

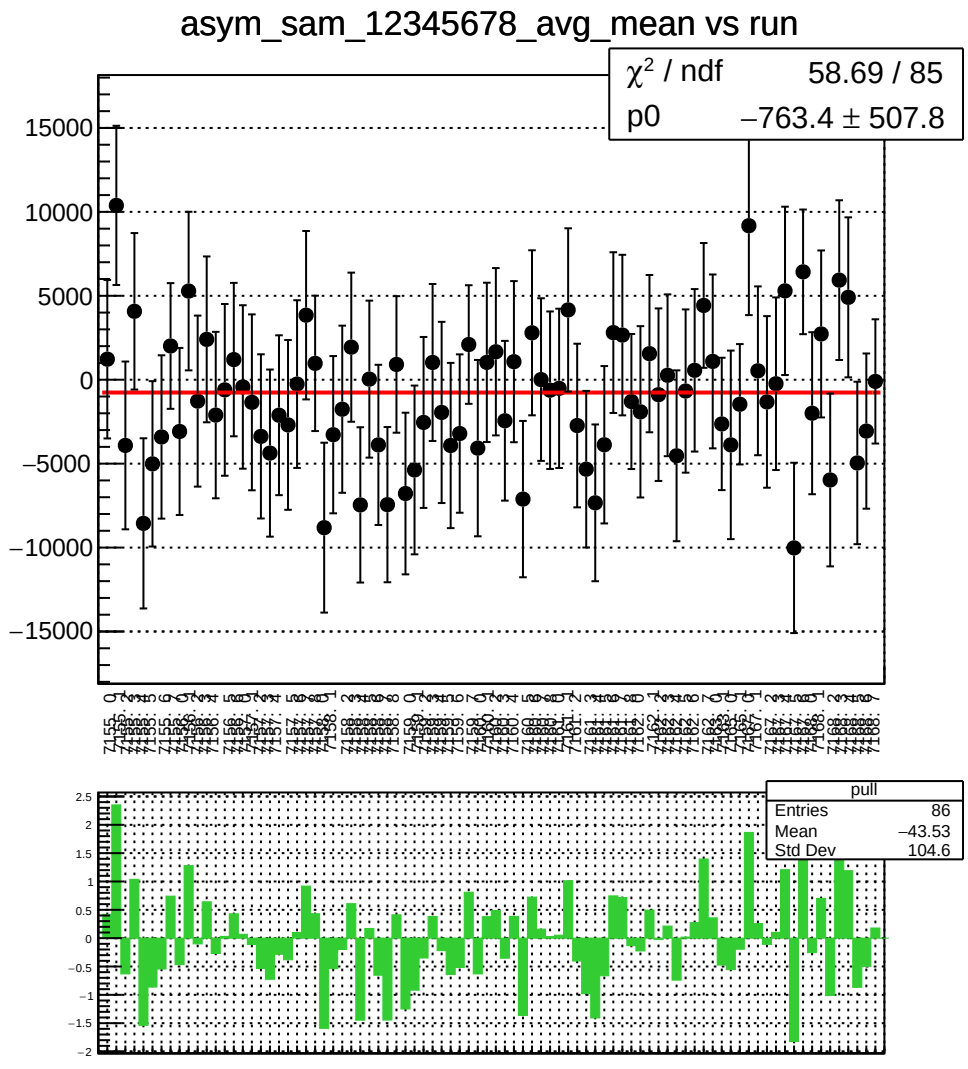

pull1D
Entries 86
Mean −0.008068
Std Dev 1.056

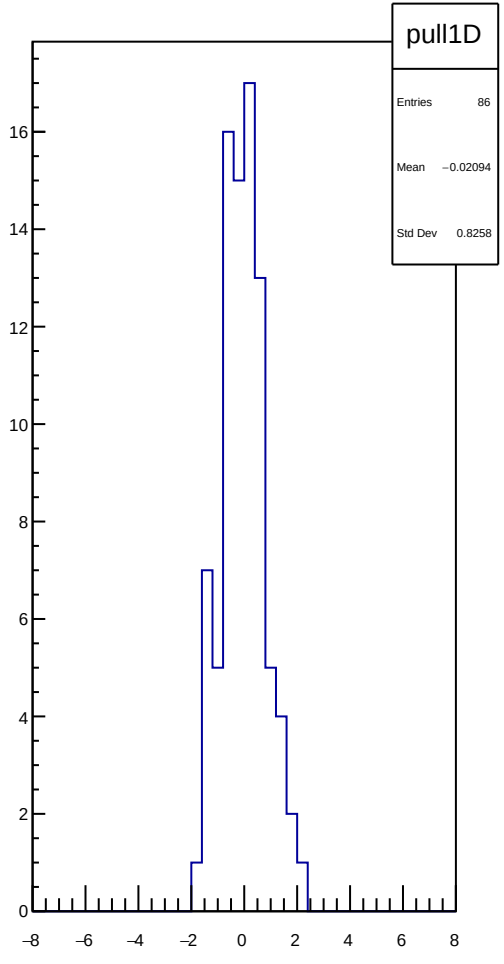

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.715e+04 / 85
p0 64.93 ± 0.05079
120
110
100
90
80
70
60
50

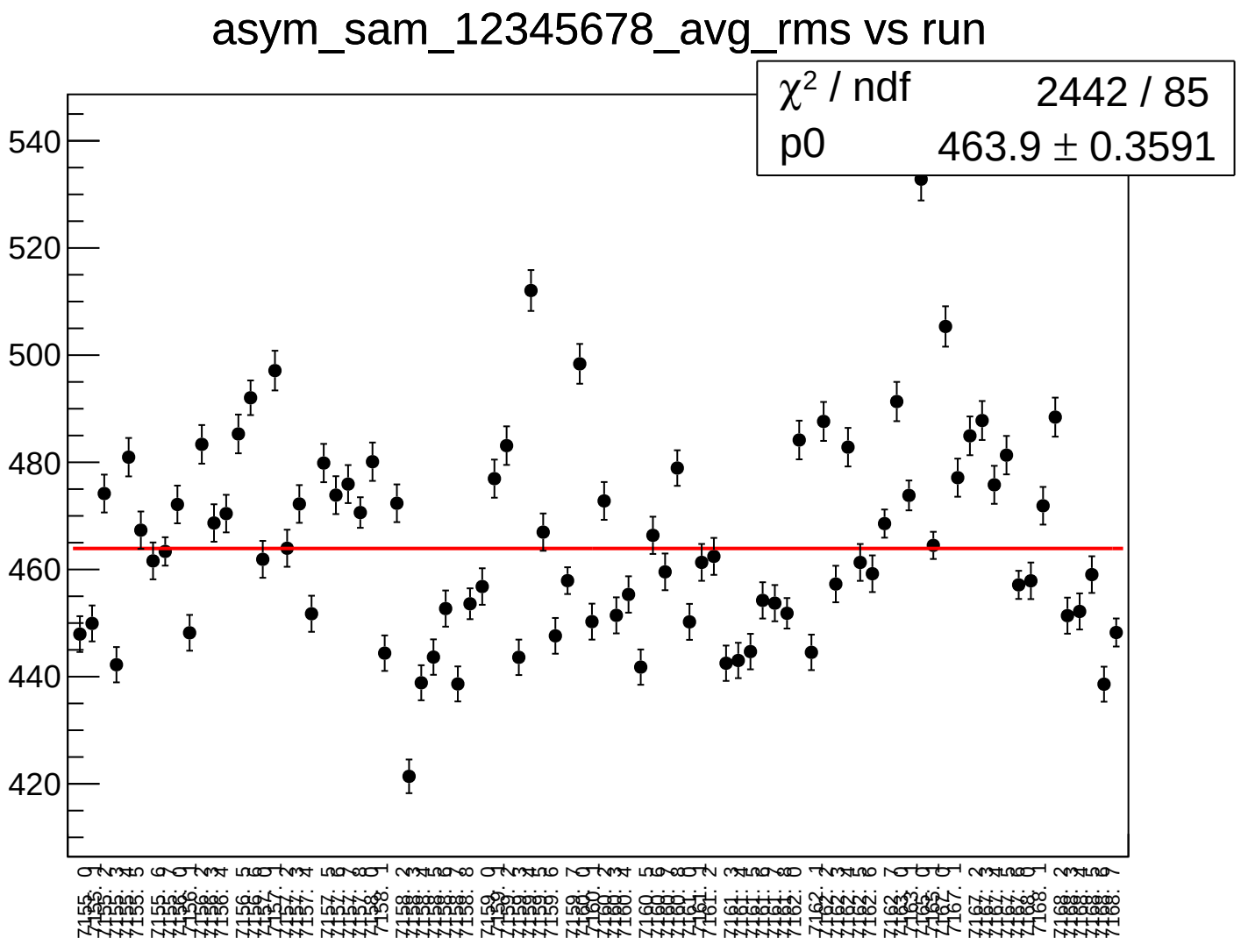

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 60.03 / 85
p0 577.2 ± 499
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −63.33
Std Dev 119.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

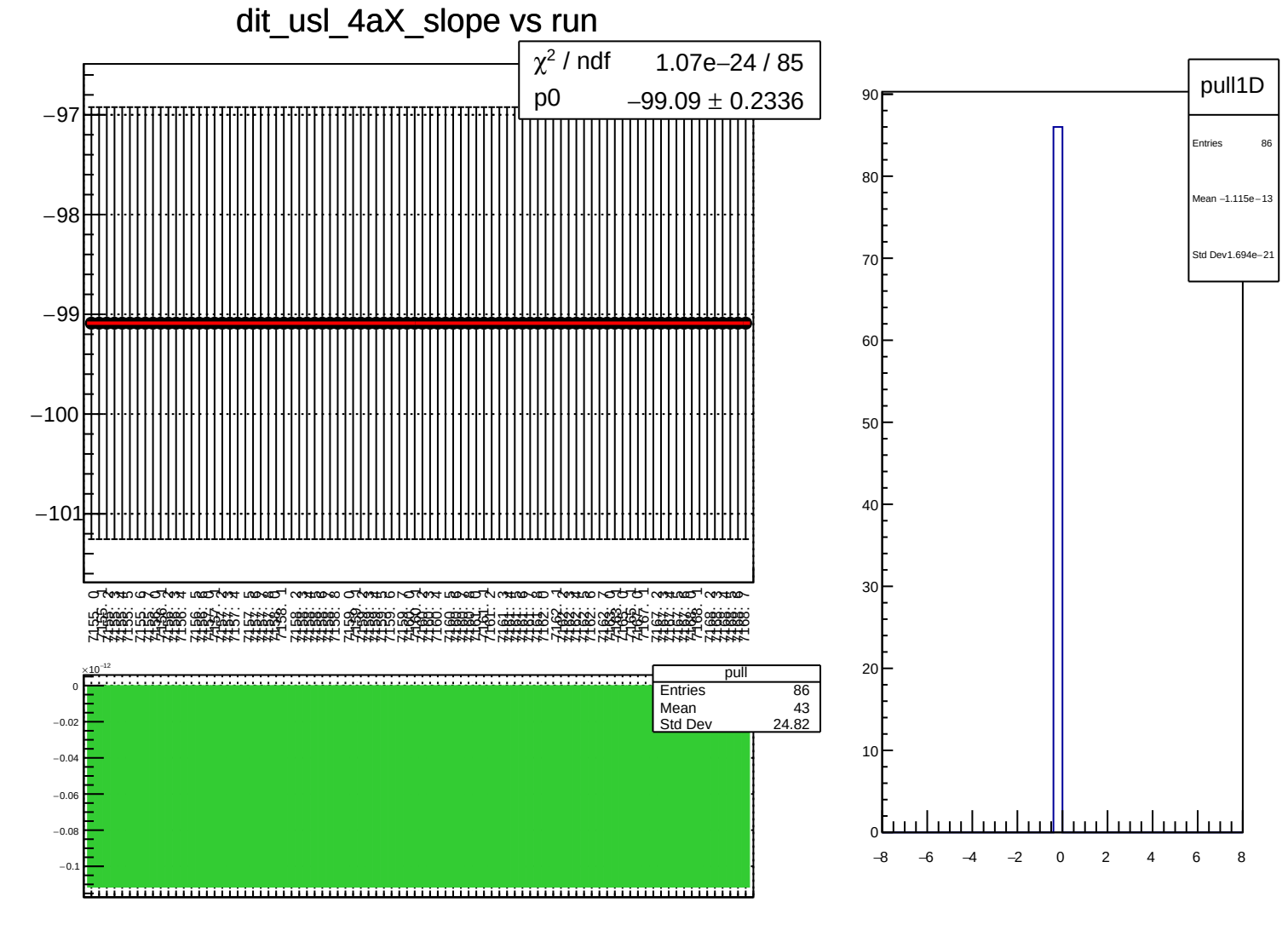

pull1D
Entries 86
Mean 0.0213
Std Dev 0.8352
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

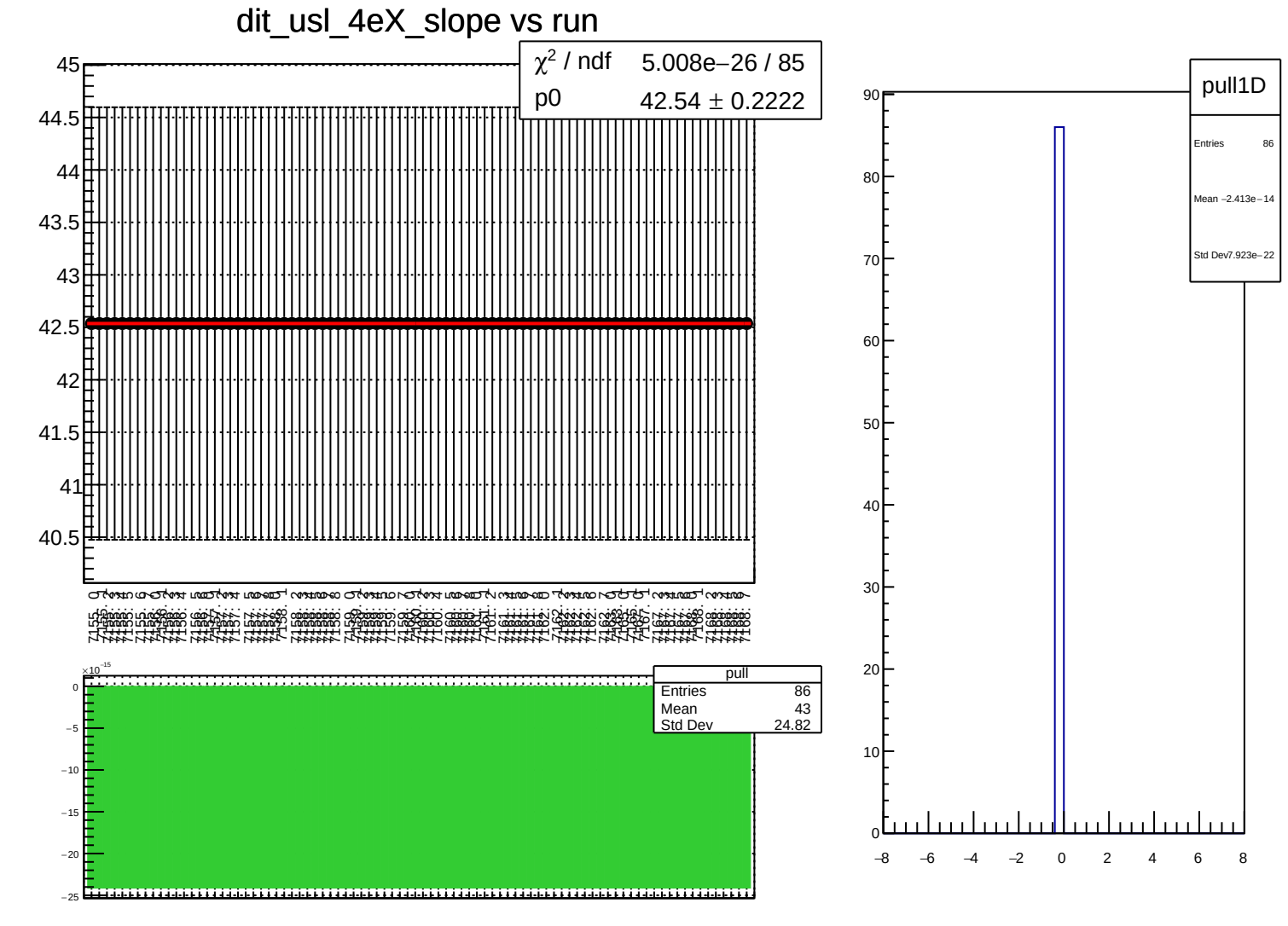

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1980 / 85
p0 455.9 ± 0.3528
520
500
480
460
440
420

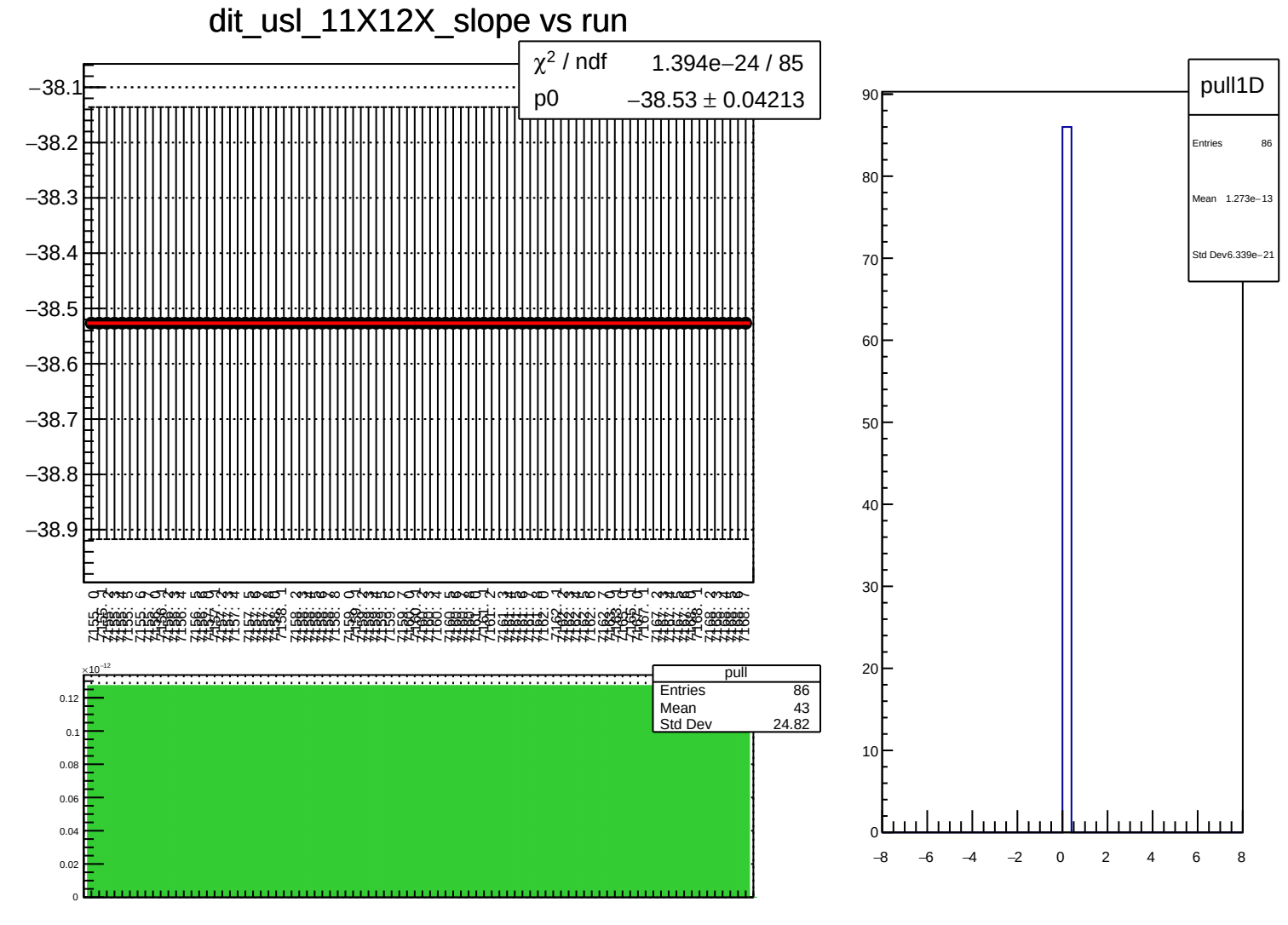

asym_sam_12345678_avg_mean vs run
χ² / ndf 58.69 / 85
p0 −763.4 ± 507.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −43.53
Std Dev 104.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

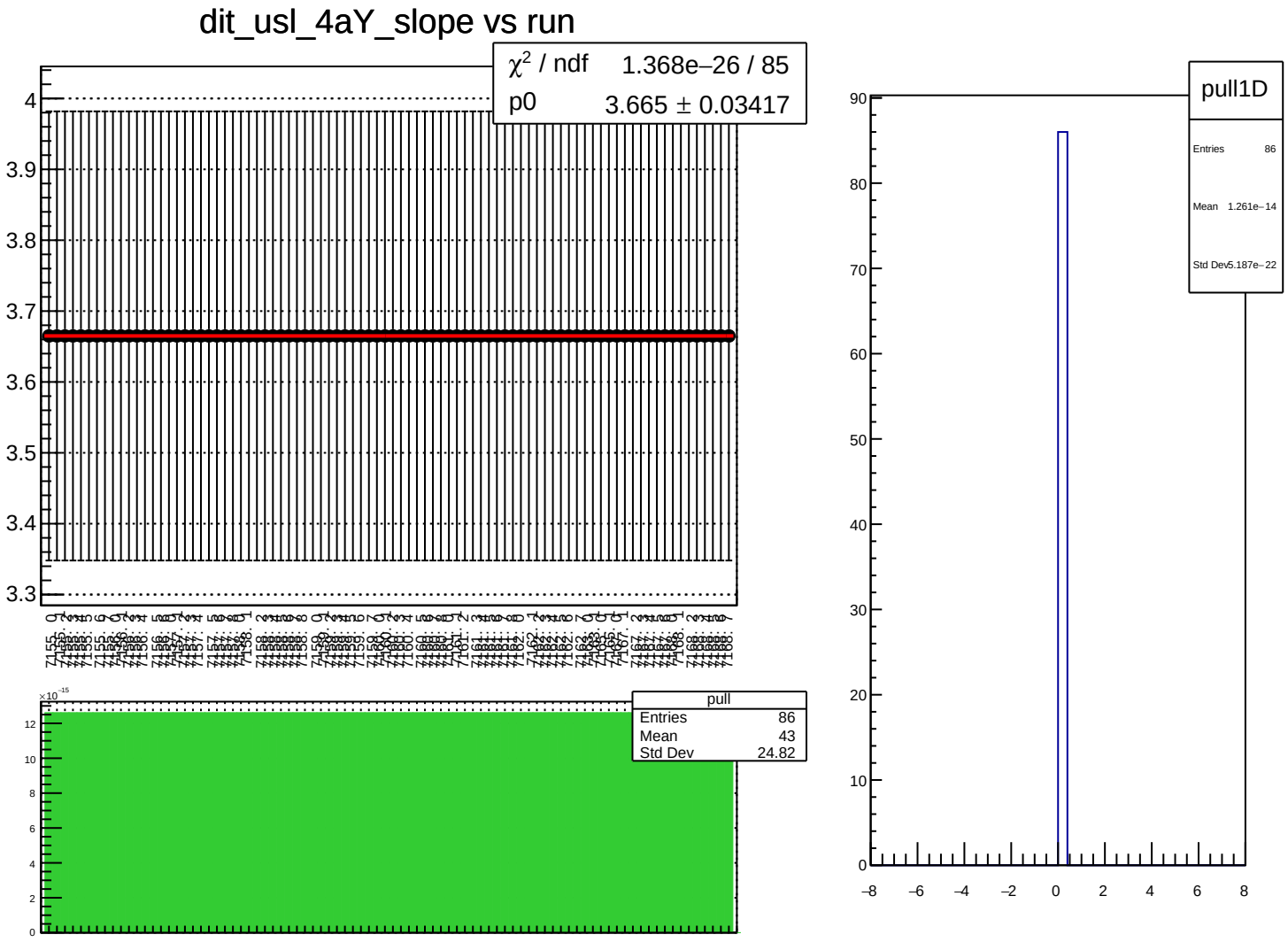

pull1D
Entries 86
Mean −0.02094
Std Dev 0.8258
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

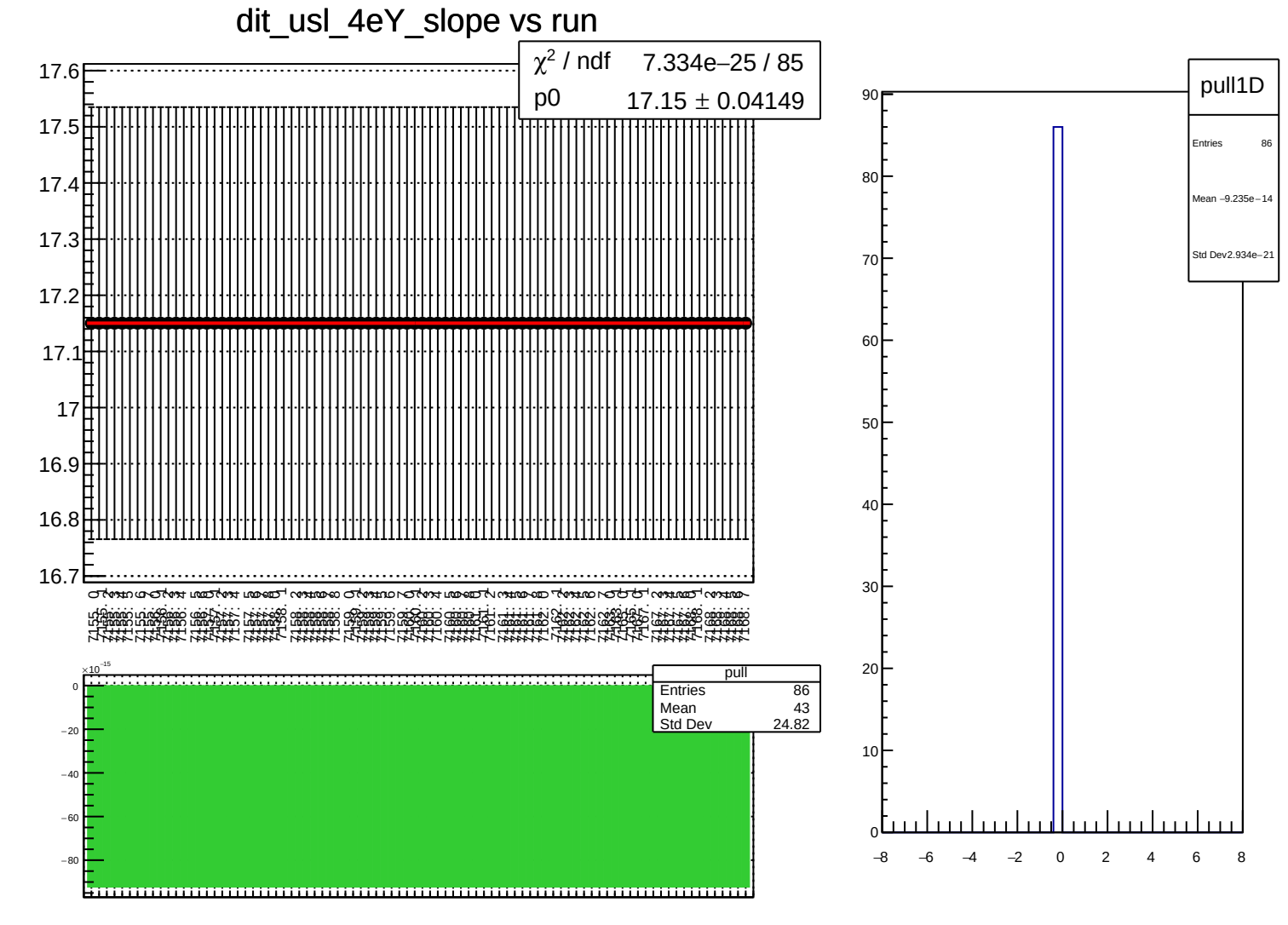

asym_sam_12345678_avg_rms vs run
χ² / ndf 2442 / 85
p0 463.9 ± 0.3591
540
520
500
480
460
440
420

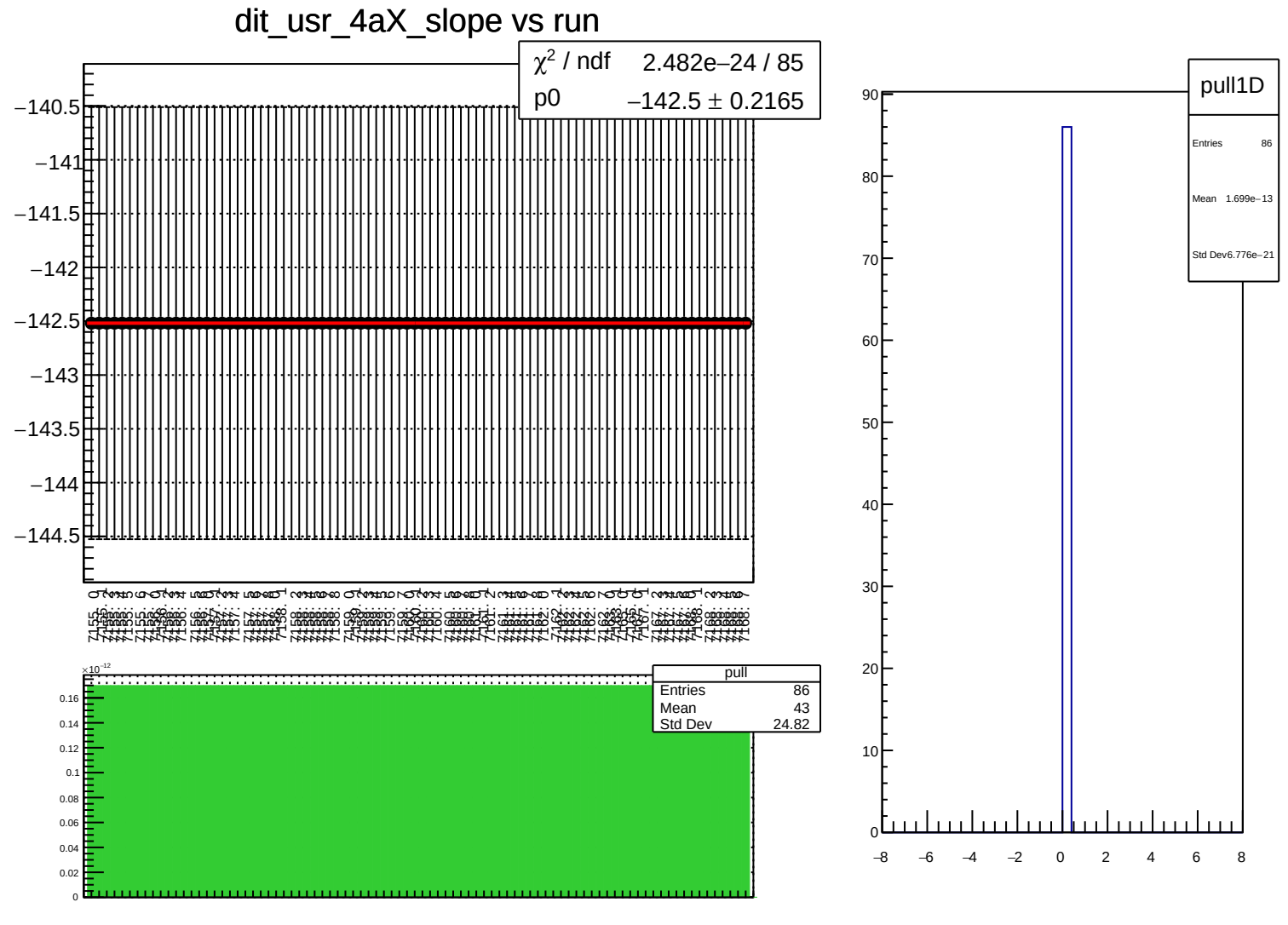

dit_usl_4aX_slope vs run
χ² / ndf 1.07e−24 / 85
p0 −99.09 ± 0.2336
−97
−98
−99
−100
−101
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 86
Mean −1.115e−13
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

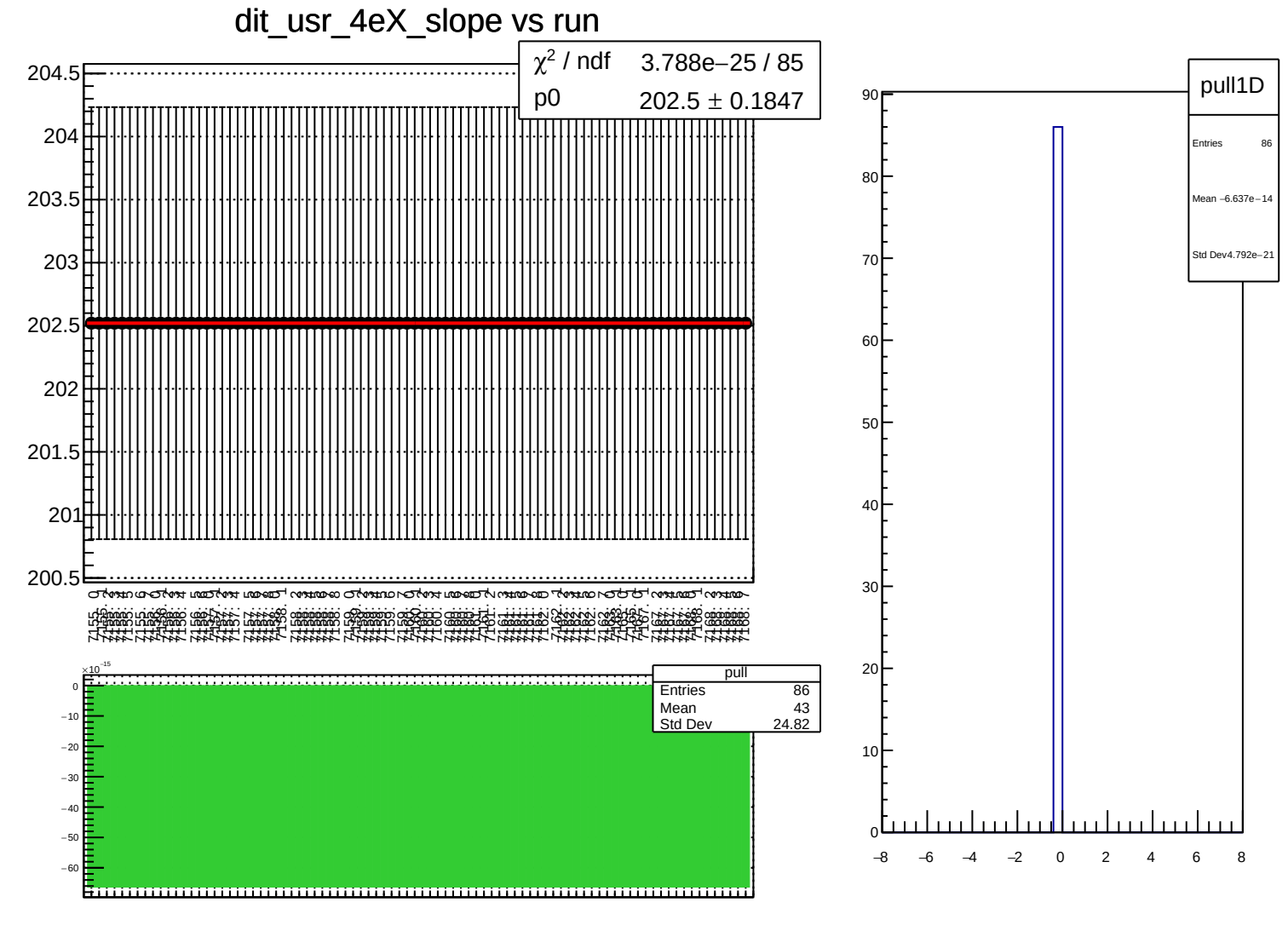

dit_usl_4eX_slope vs run
χ² / ndf 5.008e−26 / 85
p0 42.54 ± 0.2222
45
44.5
44
43.5
43
42.5
42
41.5
41
40.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 86
Mean −2.413e−14
Std Dev7.923e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

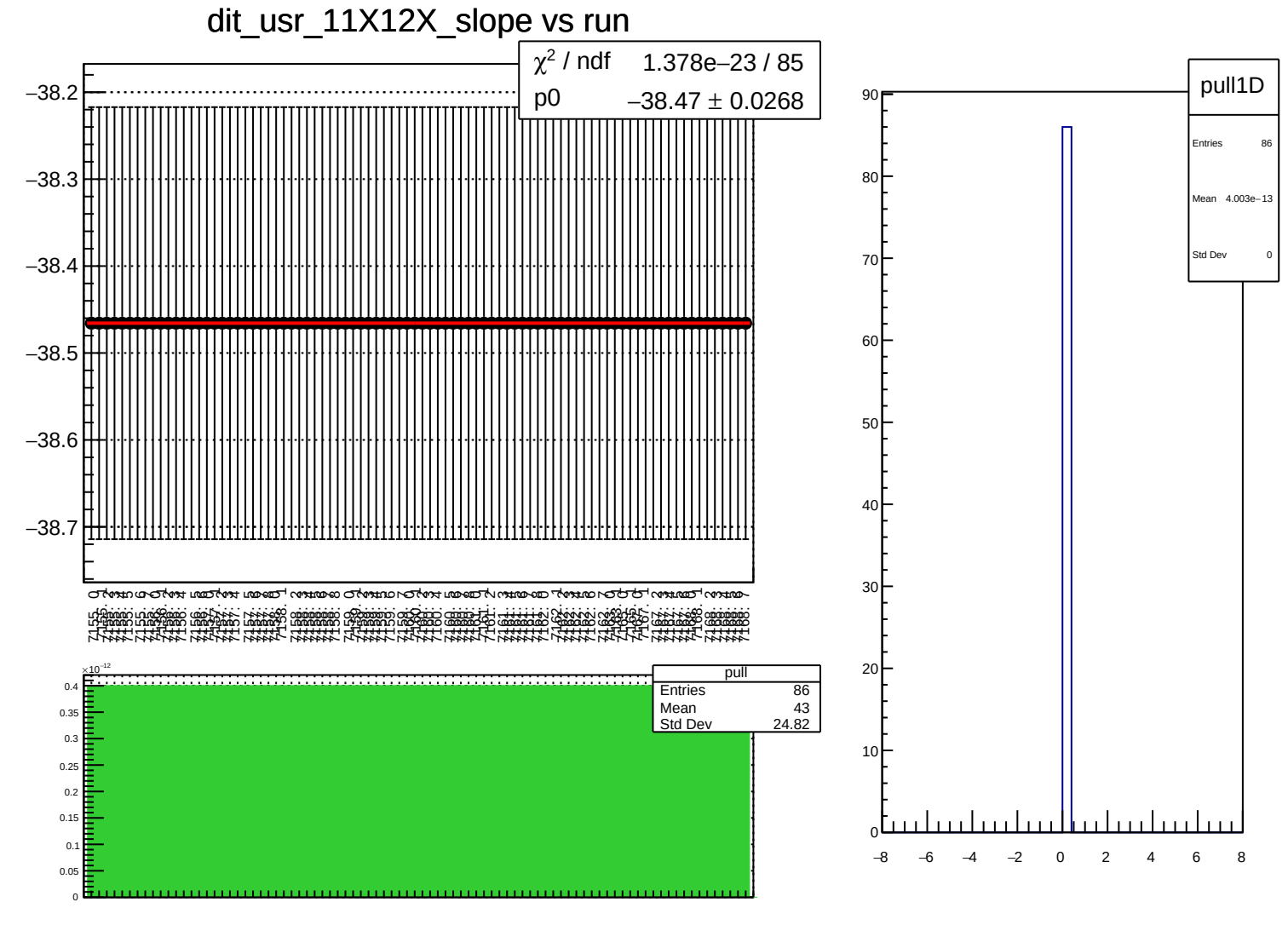

dit_usl_11X12X_slope vs run
χ² / ndf 1.394e−24 / 85
p0 −38.53 ± 0.04213
−38.1
−38.2
−38.3
−38.4
−38.5
−38.6
−38.7
−38.8
−38.9
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.273e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

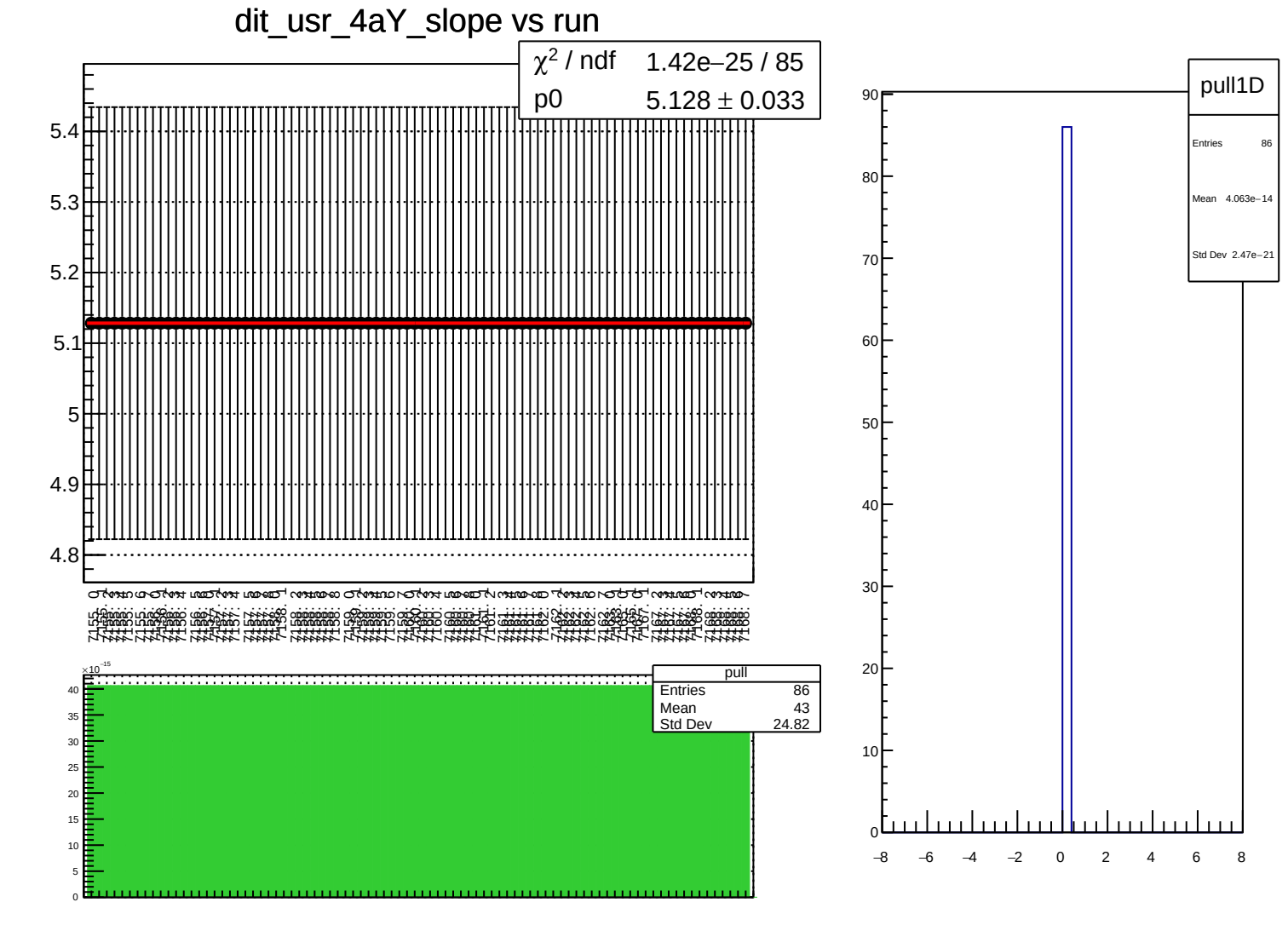

dit_usl_4aY_slope vs run
χ² / ndf 1.368e−26 / 85
p0 3.665 ± 0.03417
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.261e−14
Std Dev 5.187e−22

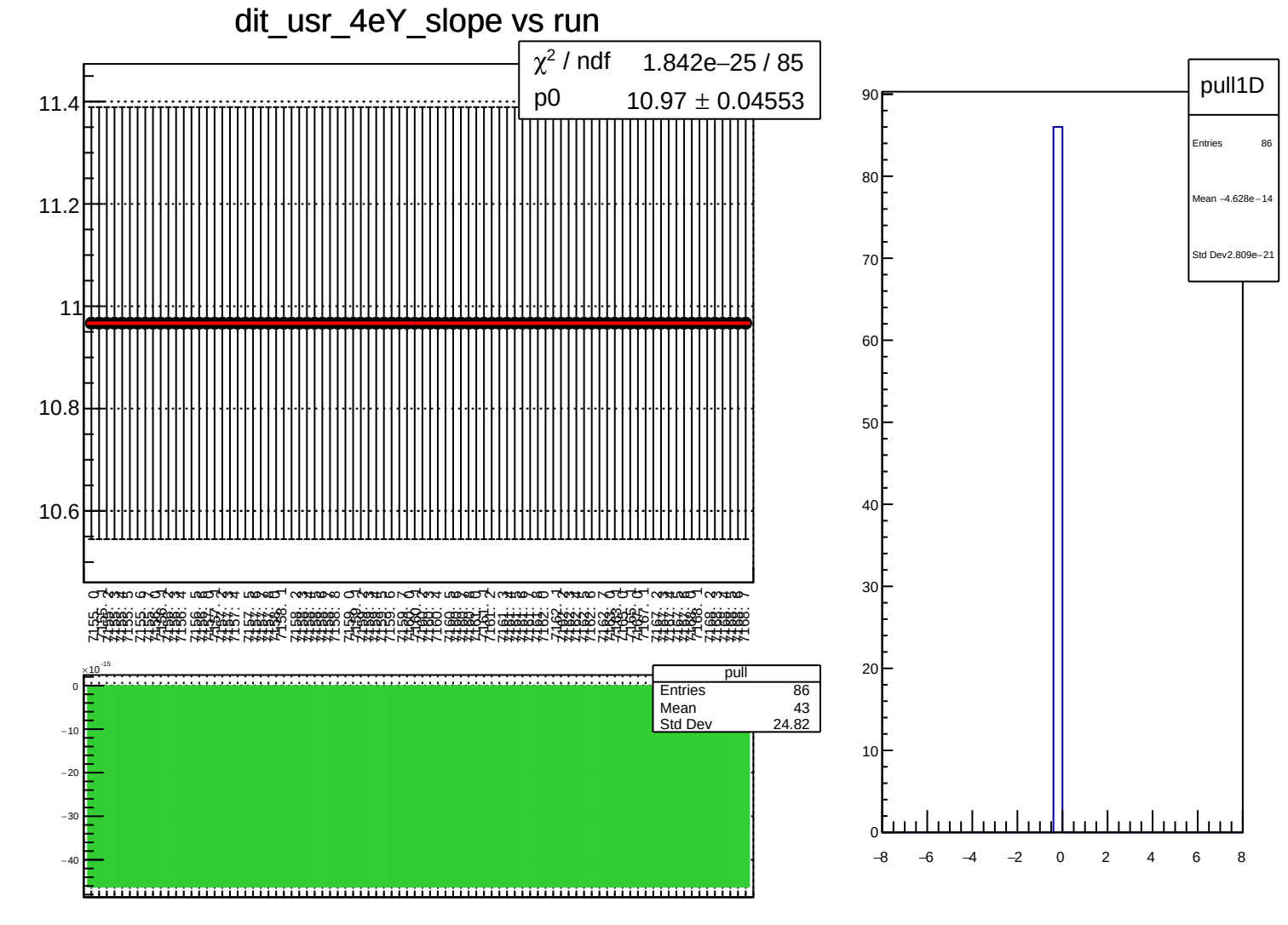

dit_usl_4eY_slope vs run
χ² / ndf 7.334e−25 / 85
p0 17.15 ± 0.04149
17.6
17.5
17.4
17.3
17.2
17.1
17
16.9
16.8
16.7
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−20
−40
−60
−80
pull1D
Entries 86
Mean −9.235e−14
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

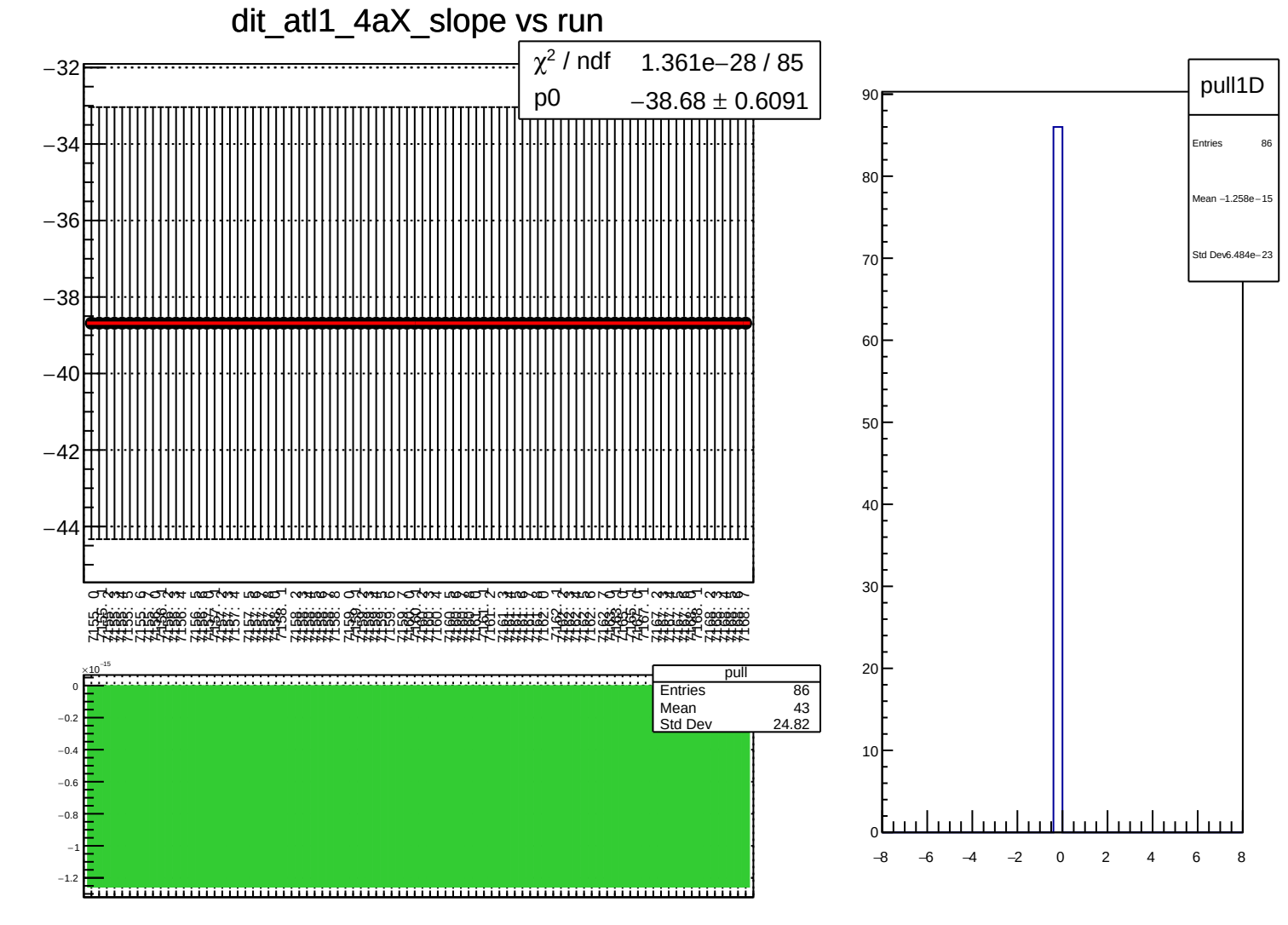

dit_usr_4aX_slope vs run
χ² / ndf 2.482e−24 / 85
p0 −142.5 ± 0.2165
−140.5
−141
−141.5
−142
−142.5
−143
−143.5
−144
−144.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.699e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

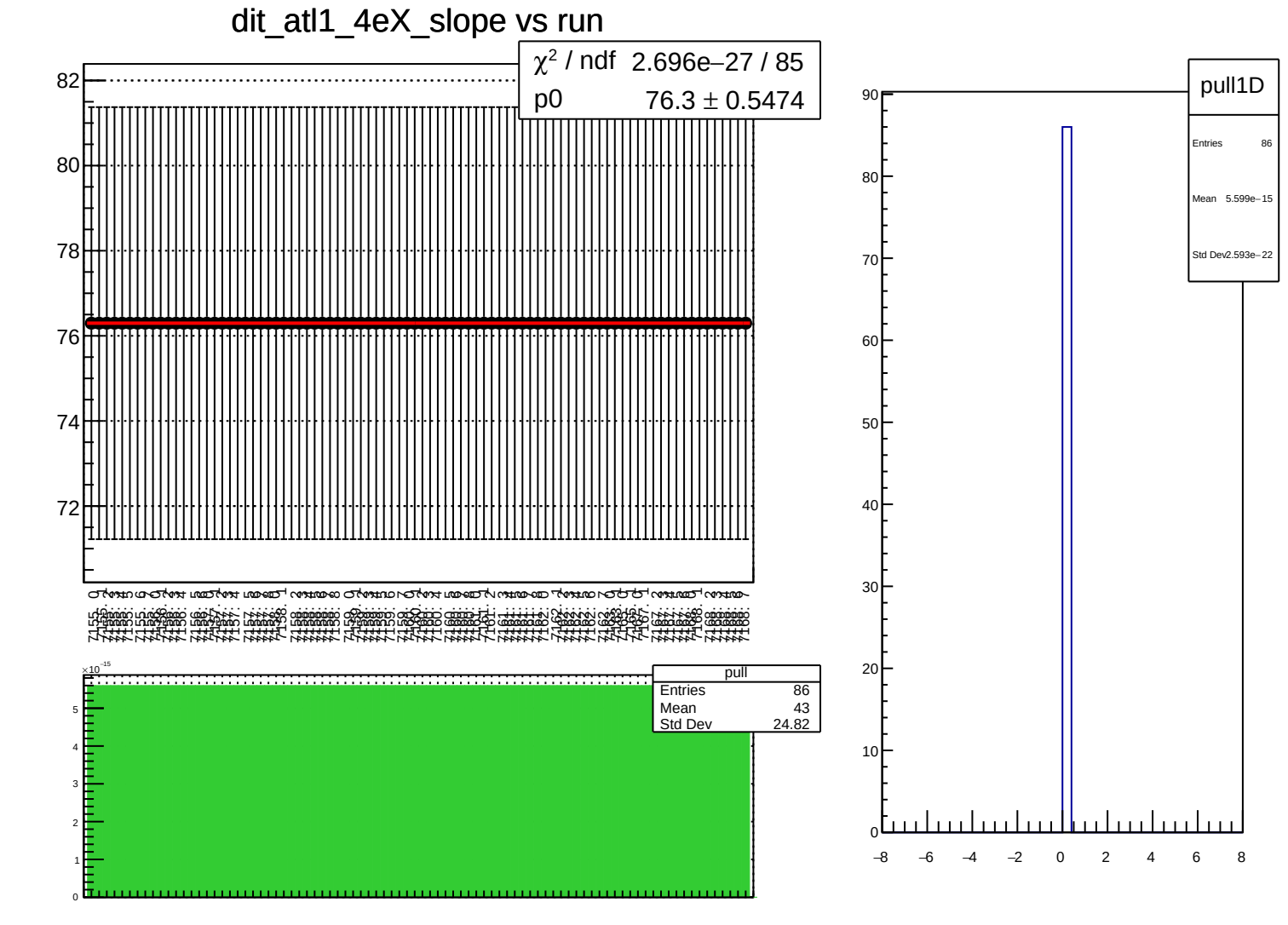

dit_usr_4eX_slope vs run
χ² / ndf 3.788e−25 / 85
p0 202.5 ± 0.1847
204.5
204
203.5
203
202.5
202
201.5
201
200.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 86
Mean −6.637e−14
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

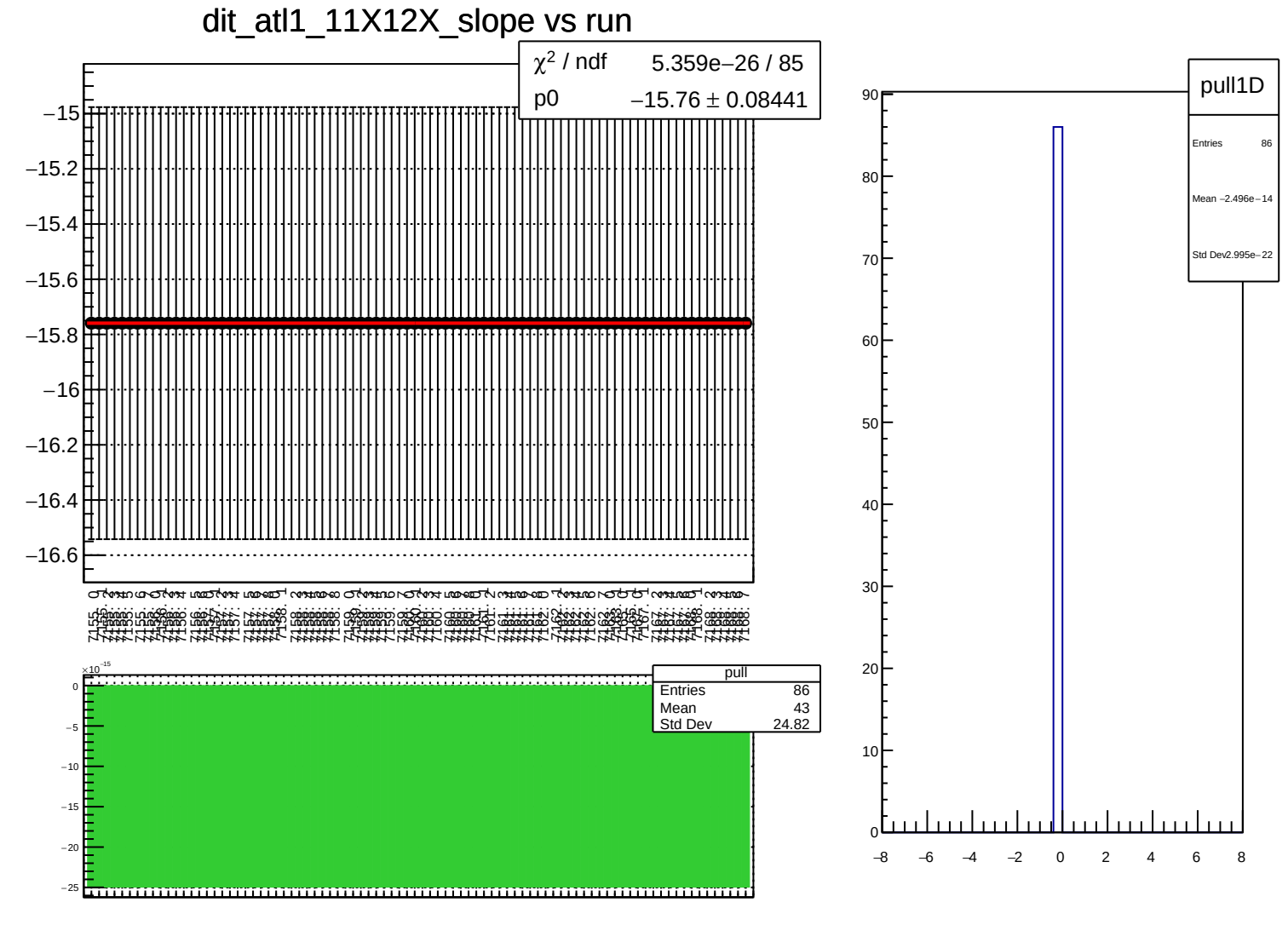

dit_usr_11X12X_slope vs run
χ² / ndf 1.378e−23 / 85
p0 −38.47 ± 0.0268
−38.2
−38.3
−38.4
−38.5
−38.6
−38.7
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 4.003e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

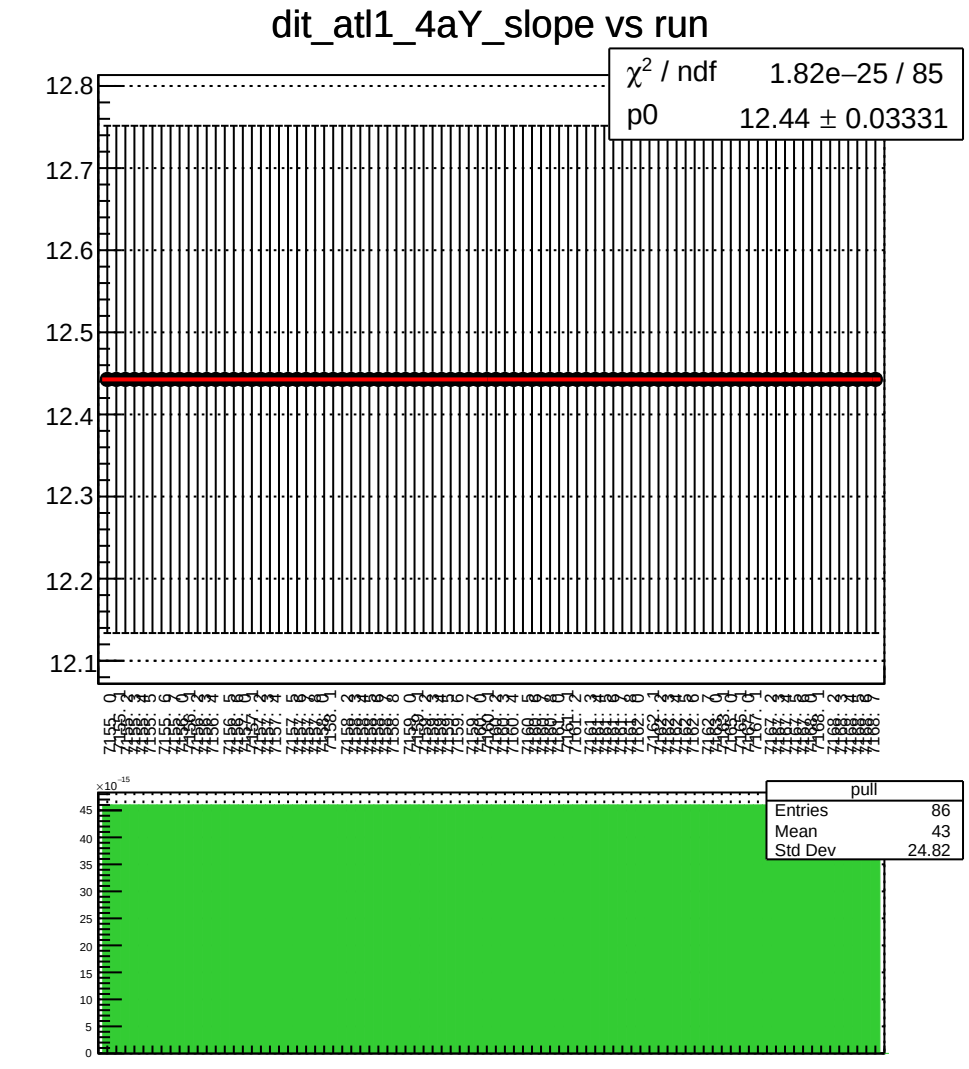

dit_usr_4aY_slope vs run
χ² / ndf 1.42e−25 / 85
p0 5.128 ± 0.033
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.063e−14
Std Dev 2.47e−21

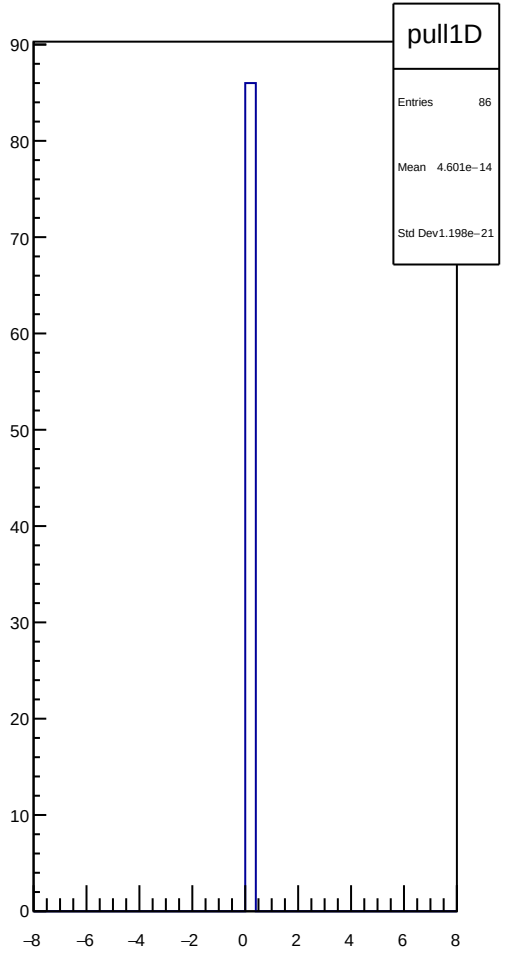

dit_usr_4eY_slope vs run
χ² / ndf 1.842e−25 / 85
p0 10.97 ± 0.04553
11.4
11.2
11
10.8
10.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 86
Mean −4.628e−14
Std Dev2.809e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

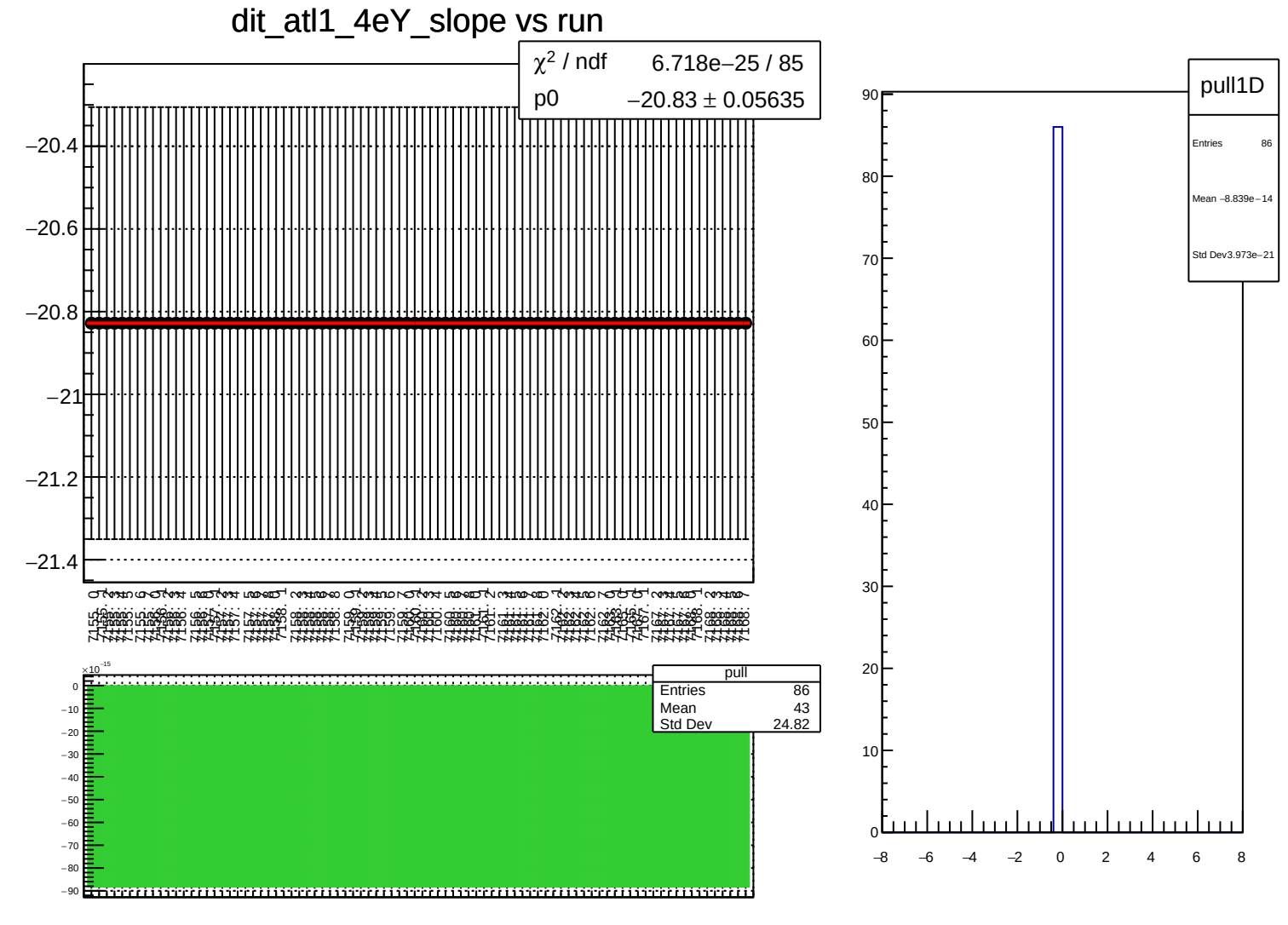

dit_atl1_4aX_slope vs run
χ² / ndf 1.361e−28 / 85
p0 −38.68 ± 0.6091
−32
−34
−36
−38
−40
−42
−44
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 86
Mean −1.258e−15
Std Dev 6.484e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

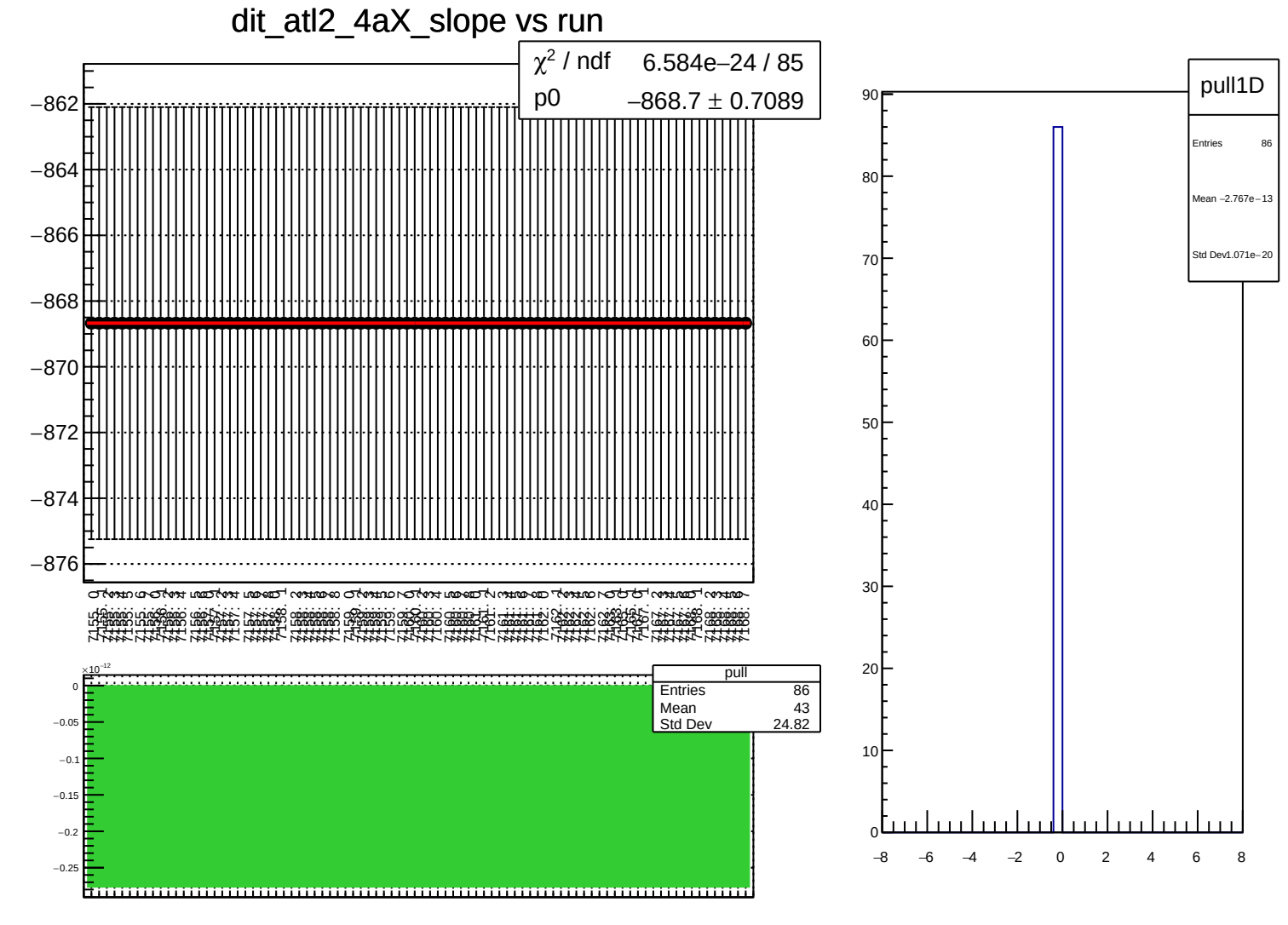

dit_atl1_4eX_slope vs run
χ² / ndf 2.696e−27 / 85
p0 76.3 ± 0.5474
82
80
78
76
74
72
×10⁻¹⁵
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 5.599e−15
Std Dev 2.593e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

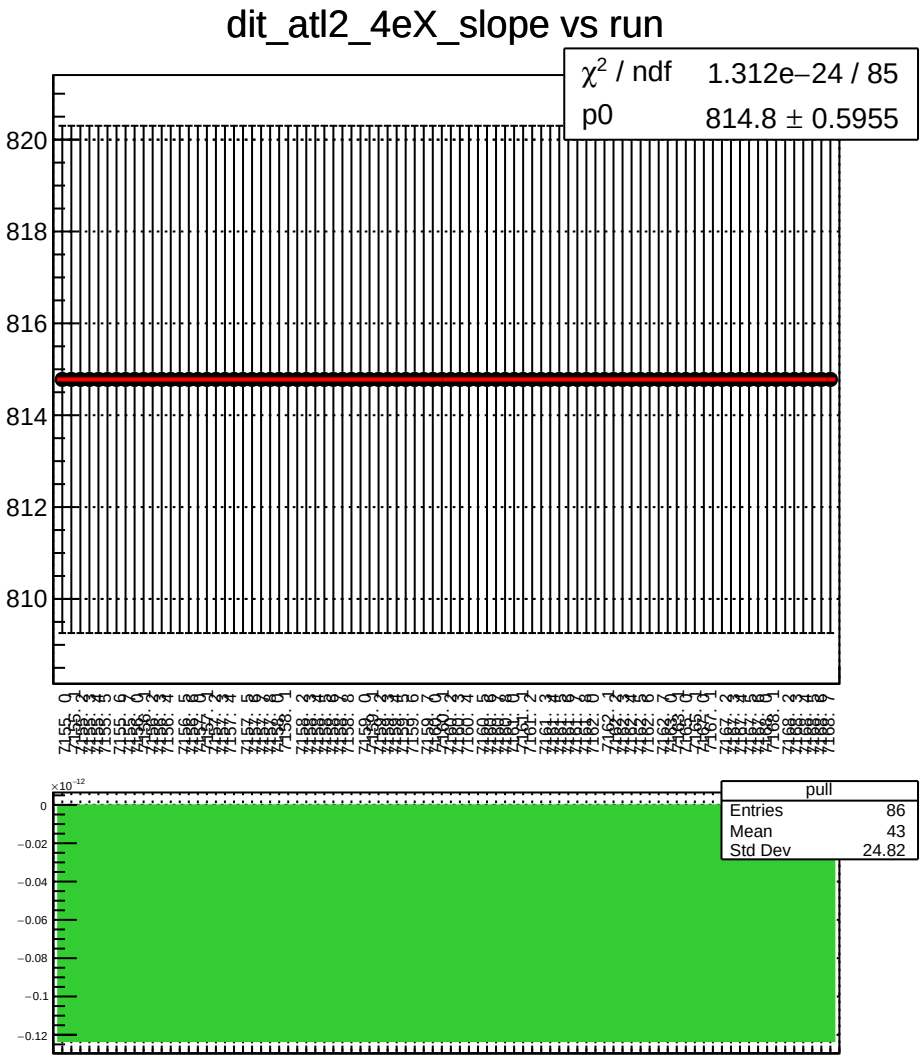

dit_atl1_11X12X_slope vs run
χ² / ndf 5.359e−26 / 85
p0 −15.76 ± 0.08441
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −2.496e−14
Std Dev 2.995e−22

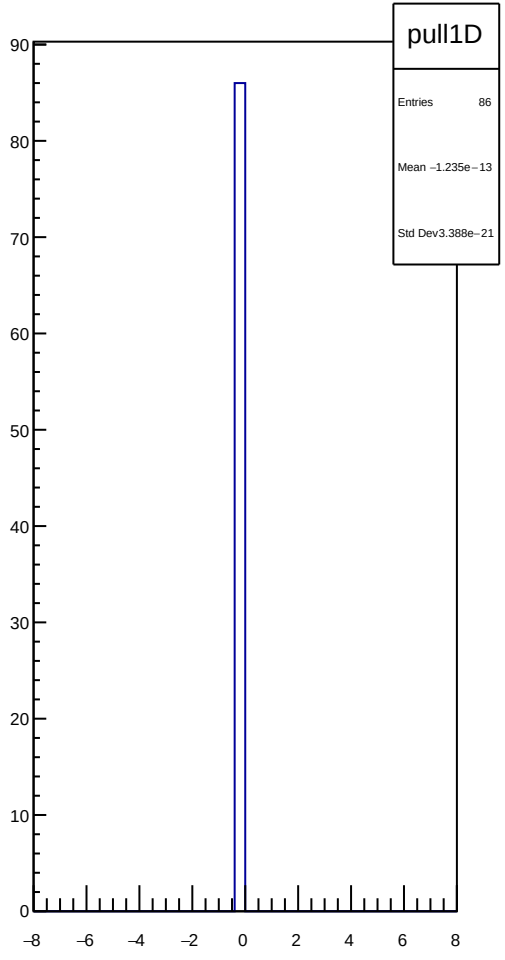

dit_atl1_4aY_slope vs run
χ² / ndf 1.82e−25 / 85
p0 12.44 ± 0.03331
12.8
12.7
12.6
12.5
12.4
12.3
12.2
12.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

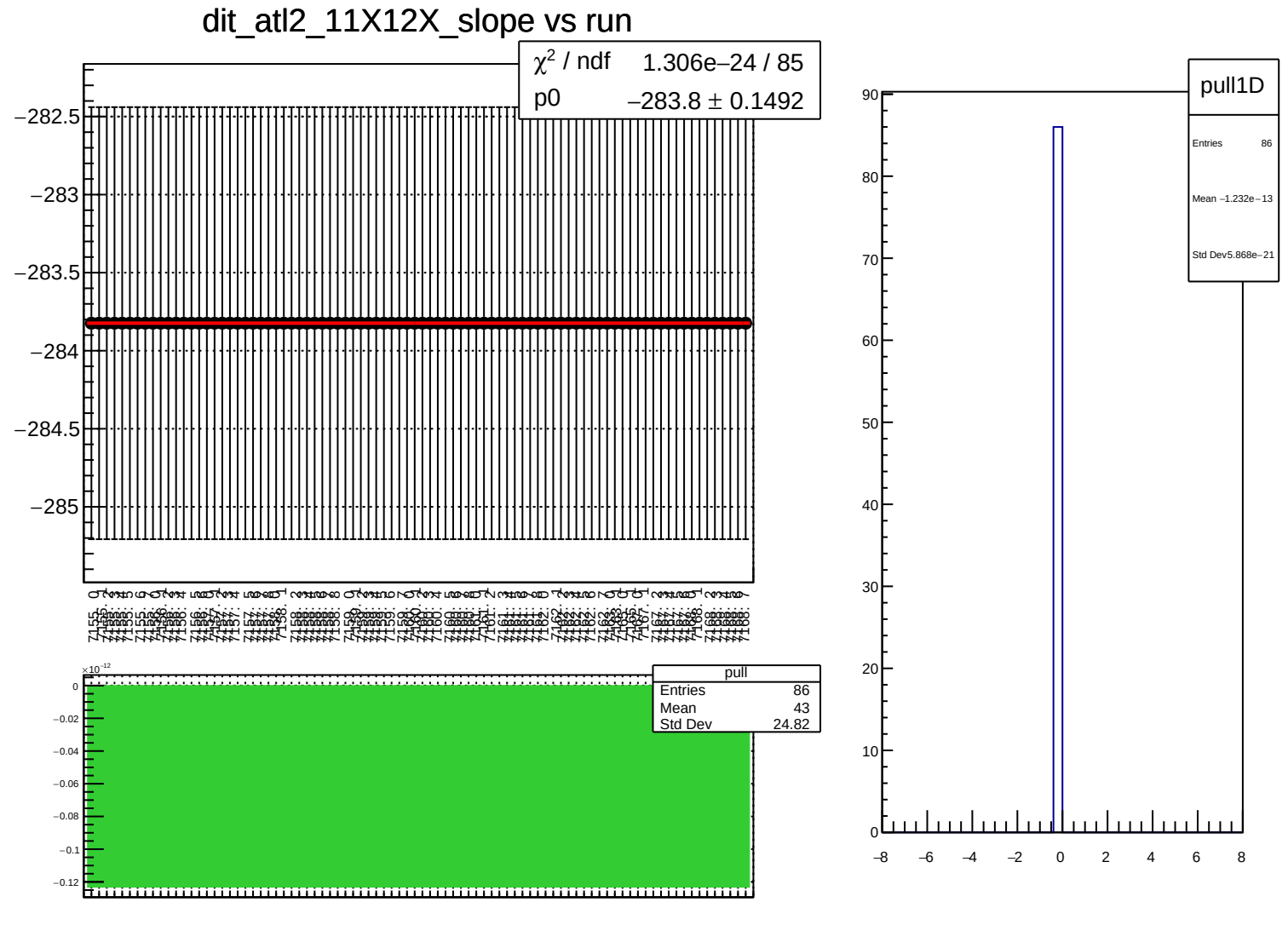

pull1D
Entries 86
Mean 4.601e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

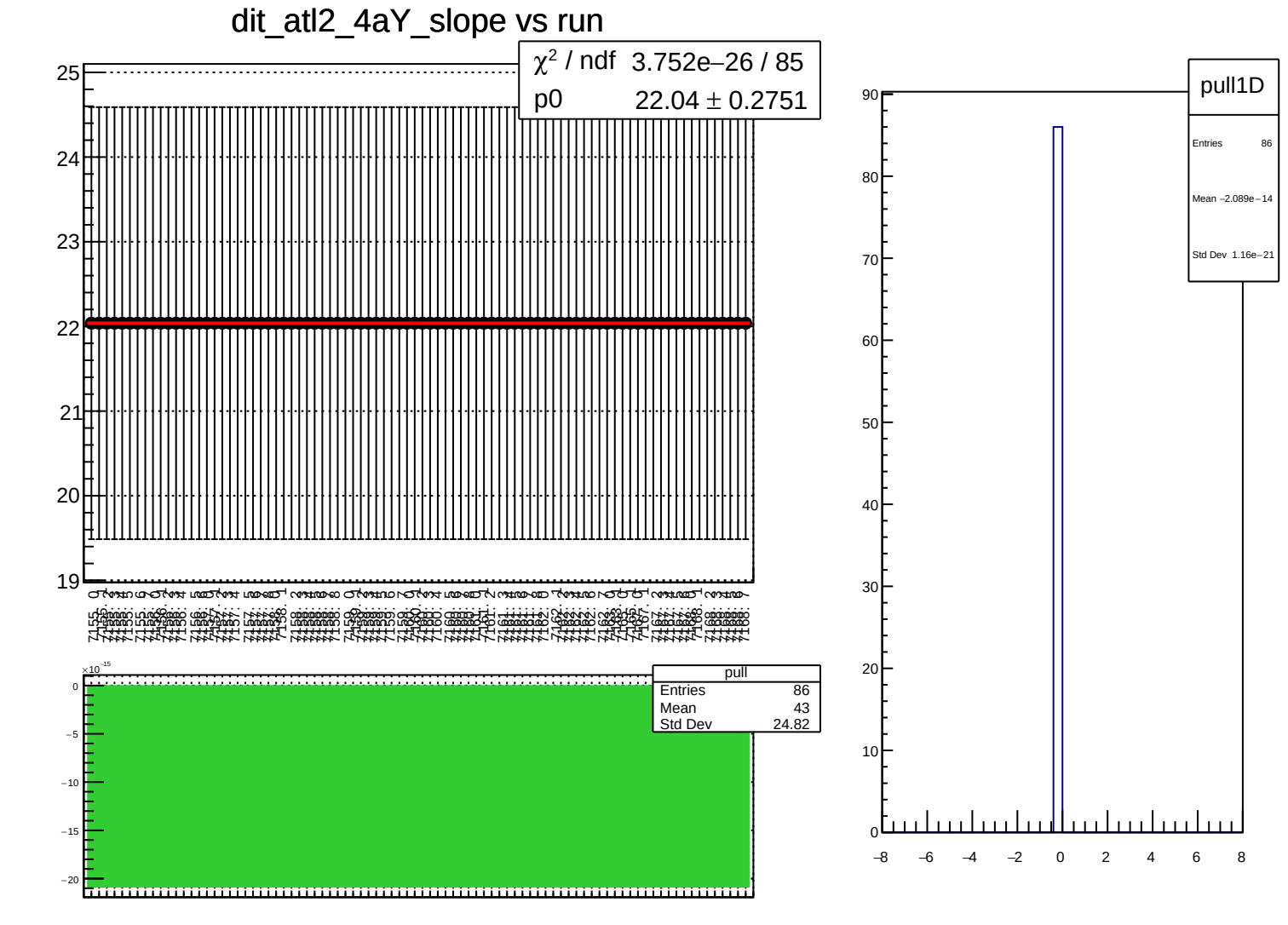

dit_atl1_4eY_slope vs run
χ² / ndf 6.718e−25 / 85
p0 −20.83 ± 0.05635
−20.4
−20.6
−20.8
−21
−21.2
−21.4
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −8.839e−14
Std Dev3.973e−21

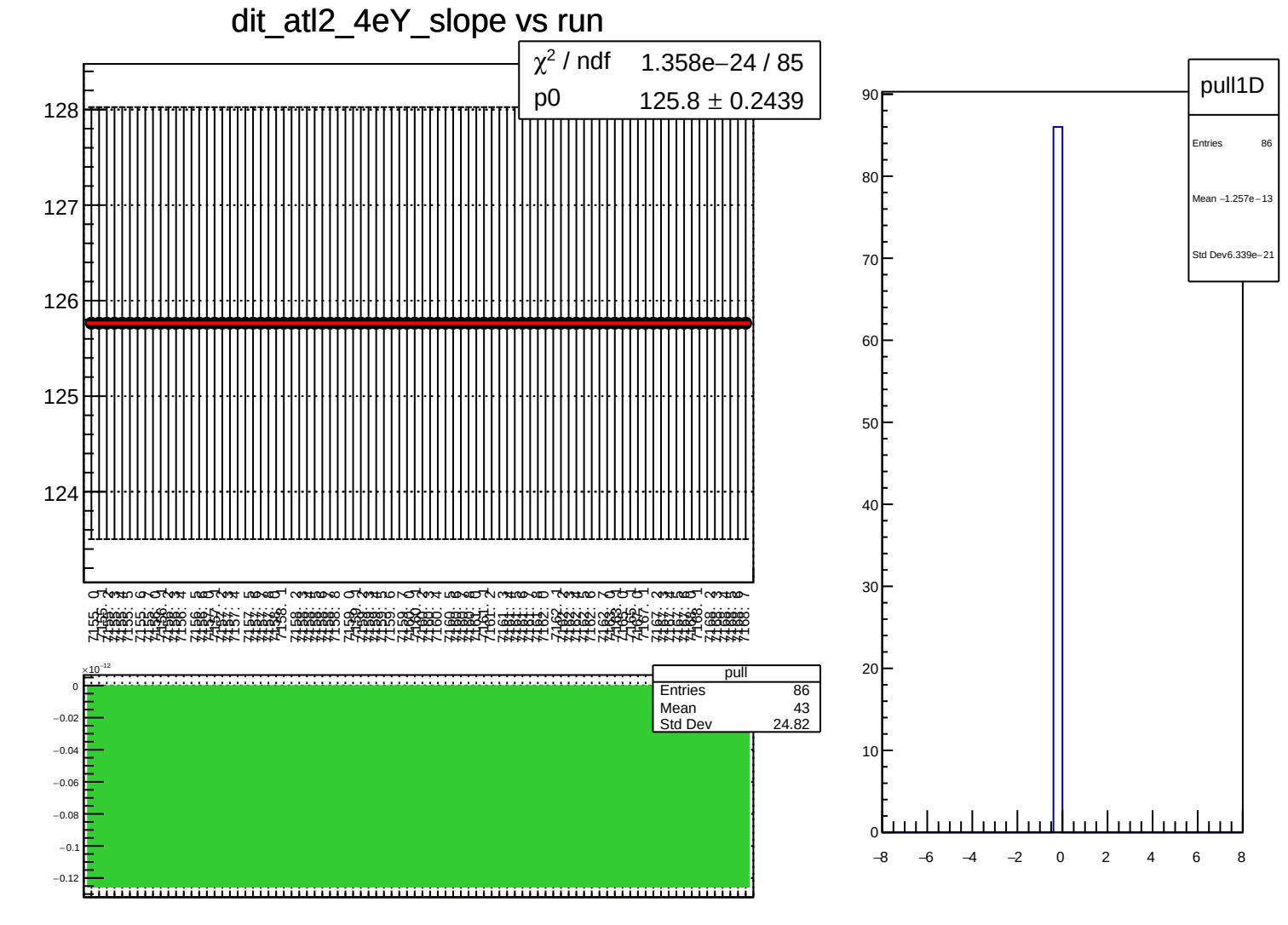

dit_atl2_4aX_slope vs run
χ² / ndf 6.584e−24 / 85
p0 −868.7 ± 0.7089
−862
−864
−866
−868
−870
−872
−874
−876
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 86
Mean −2.767e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

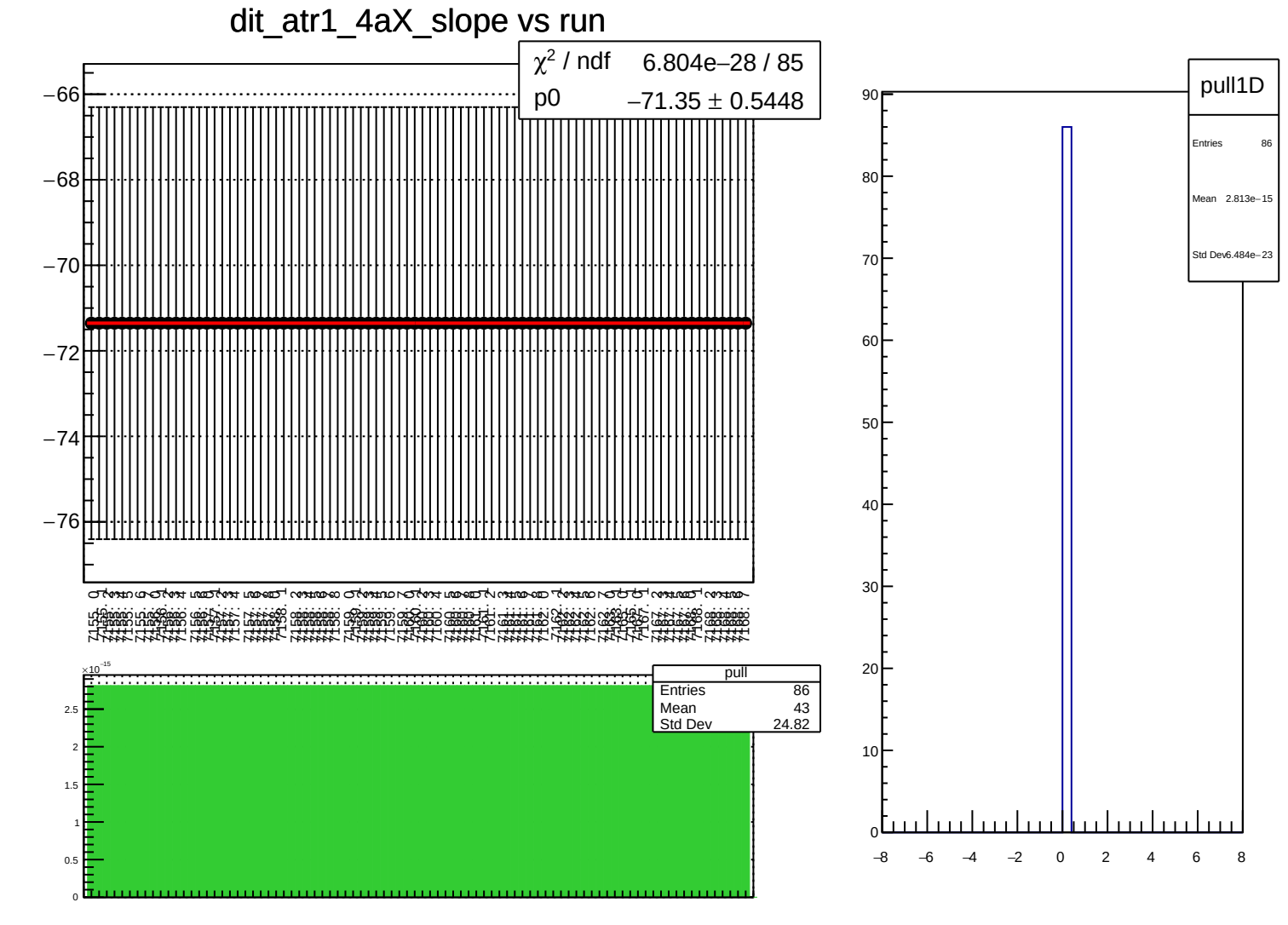

dit_atl2_4eX_slope vs run
χ² / ndf 1.312e−24 / 85
p0 814.8 ± 0.5955
820
818
816
814
812
810
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 86
Mean 43
Std Dev 24.82

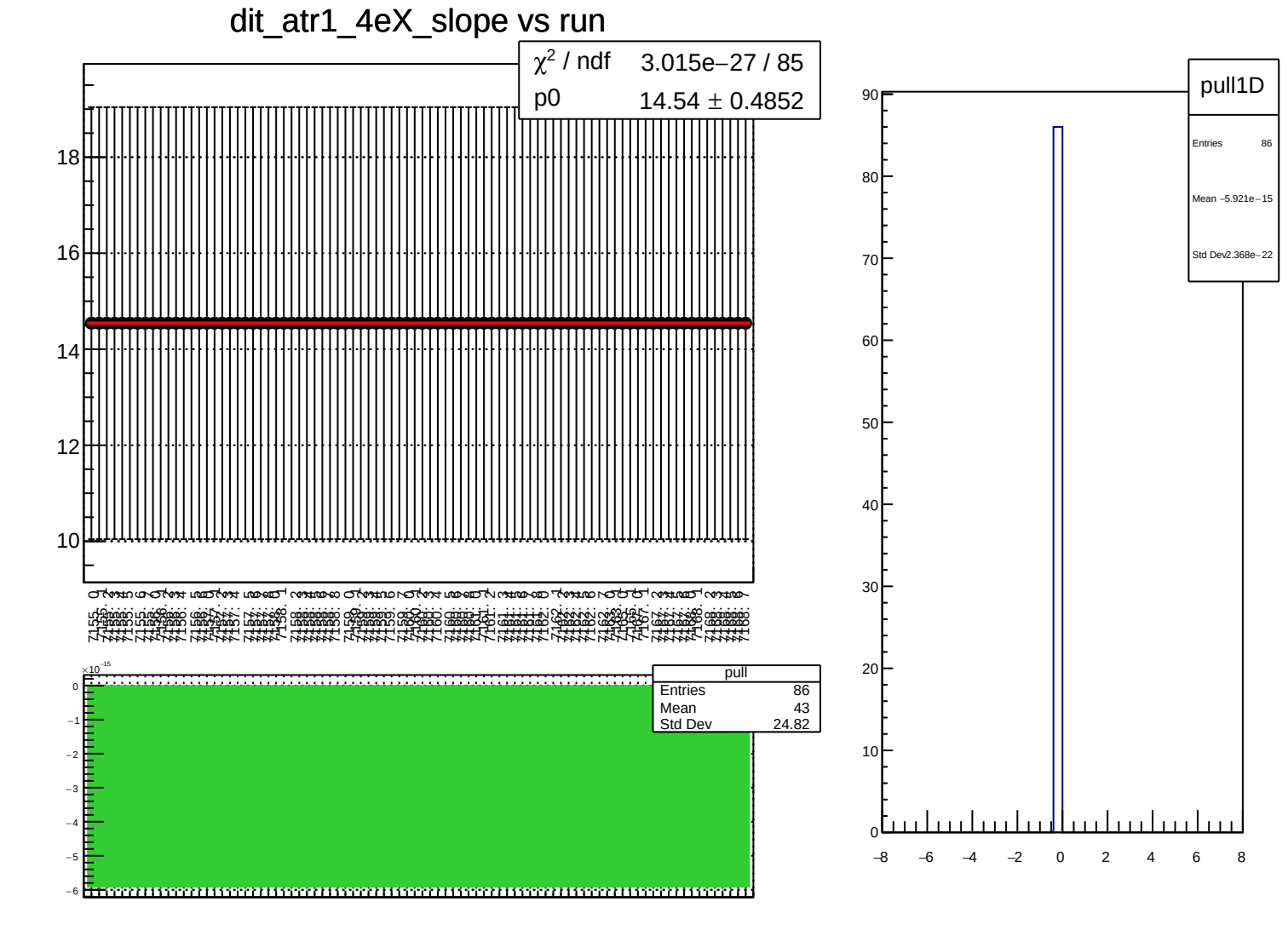

pull1D
Entries 86
Mean −1.235e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

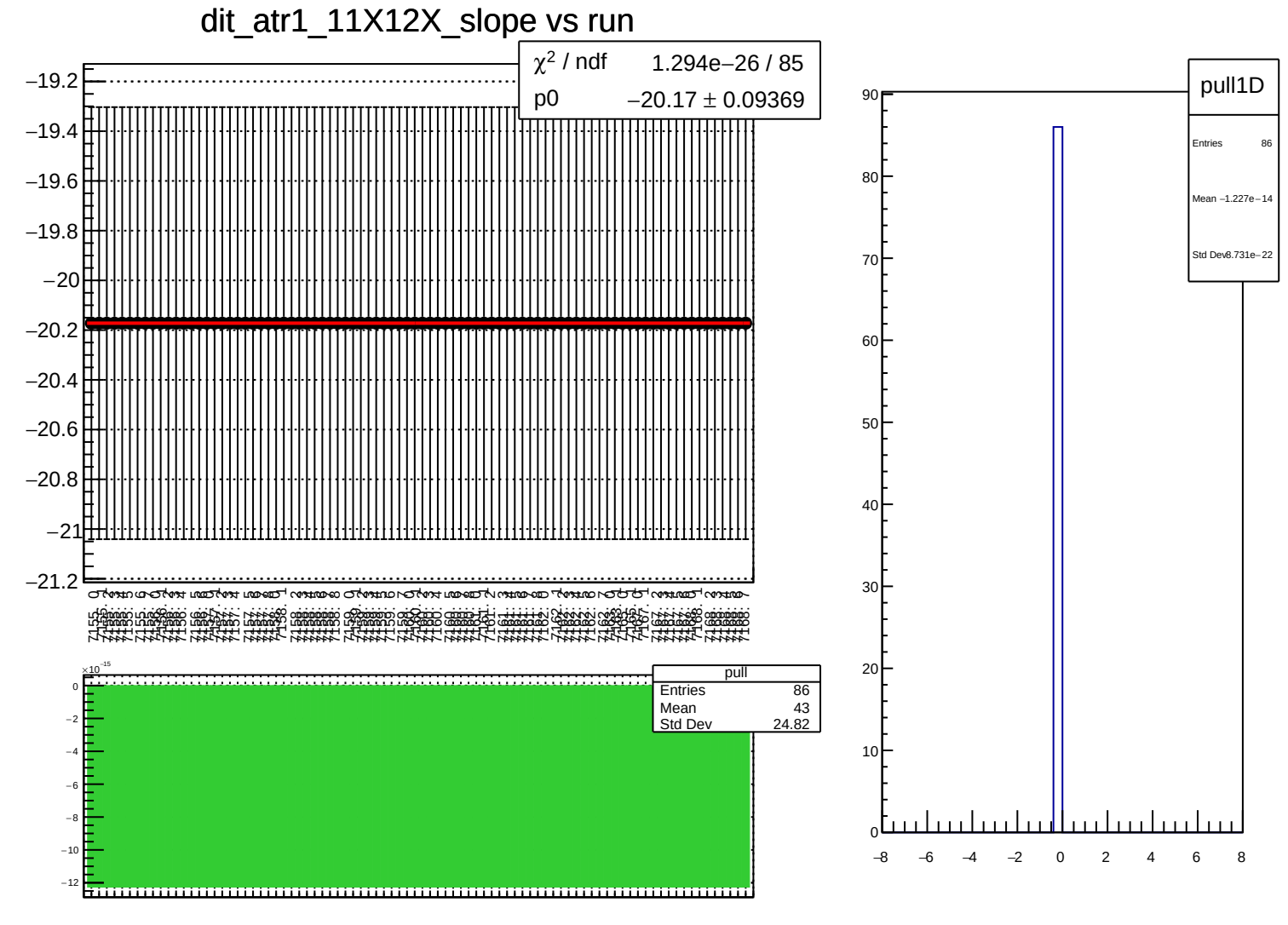

dit_atl2_11X12X_slope vs run
χ² / ndf 1.306e−24 / 85
p0 −283.8 ± 0.1492
−282.5
−283
−283.5
−284
−284.5
−285
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 86
Mean −1.232e−13
Std Dev5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

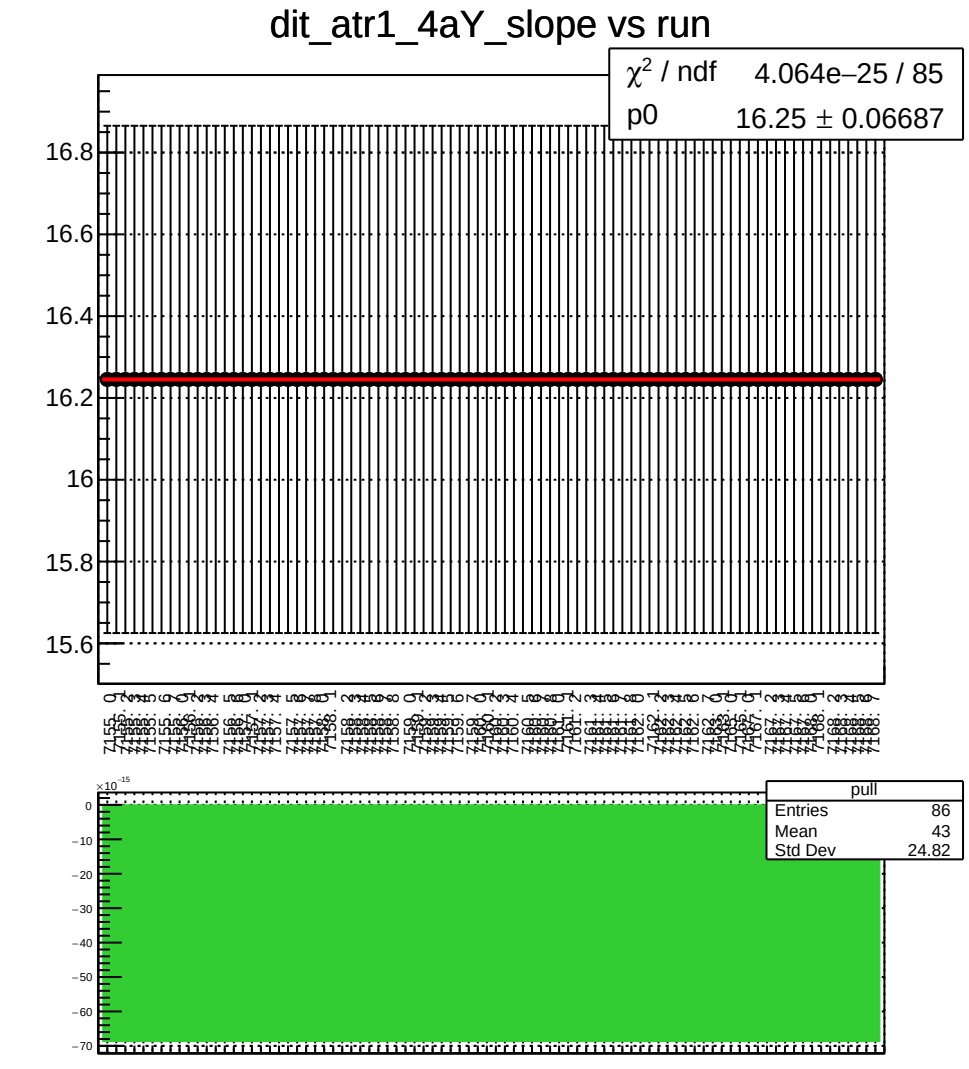

dit_atl2_4aY_slope vs run
χ² / ndf 3.752e−26 / 85
p0 22.04 ± 0.2751
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −2.089e−14
Std Dev 1.16e−21

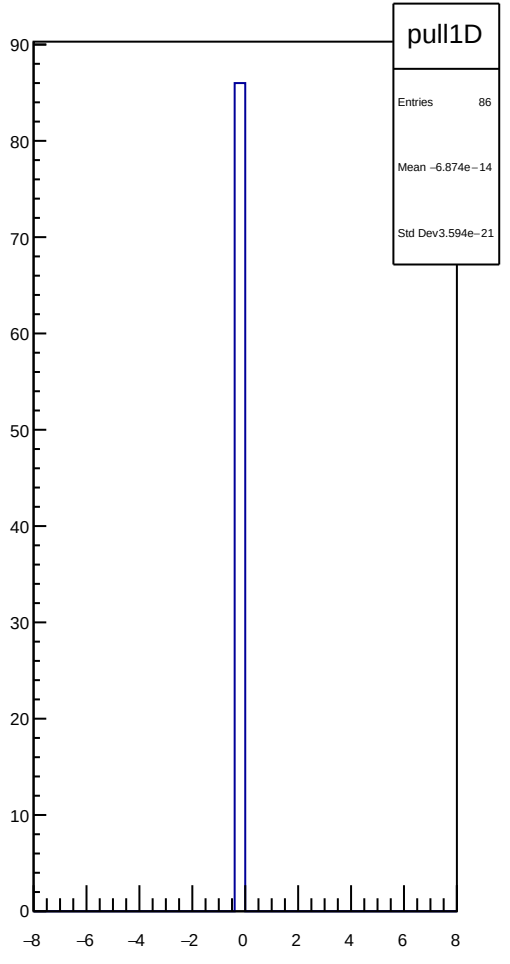

dit_atl2_4eY_slope vs run
χ² / ndf 1.358e−24 / 85
p0 125.8 ± 0.2439
128
127
126
125
124
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 86
Mean −1.257e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

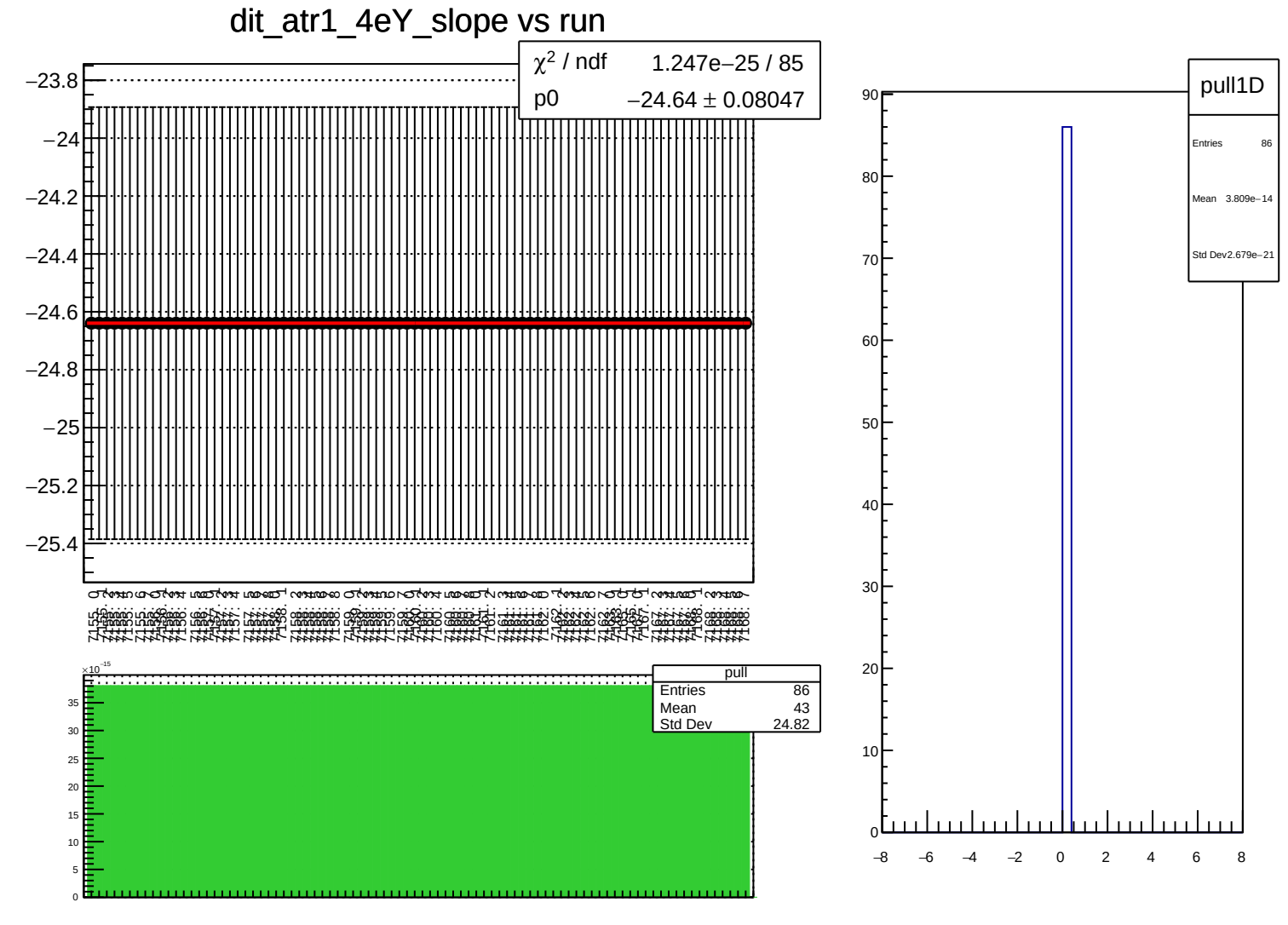

dit_atr1_4aX_slope vs run
χ² / ndf 6.804e−28 / 85
p0 −71.35 ± 0.5448
−66
−68
−70
−72
−74
−76
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 2.813e−15
Std Dev 6.484e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

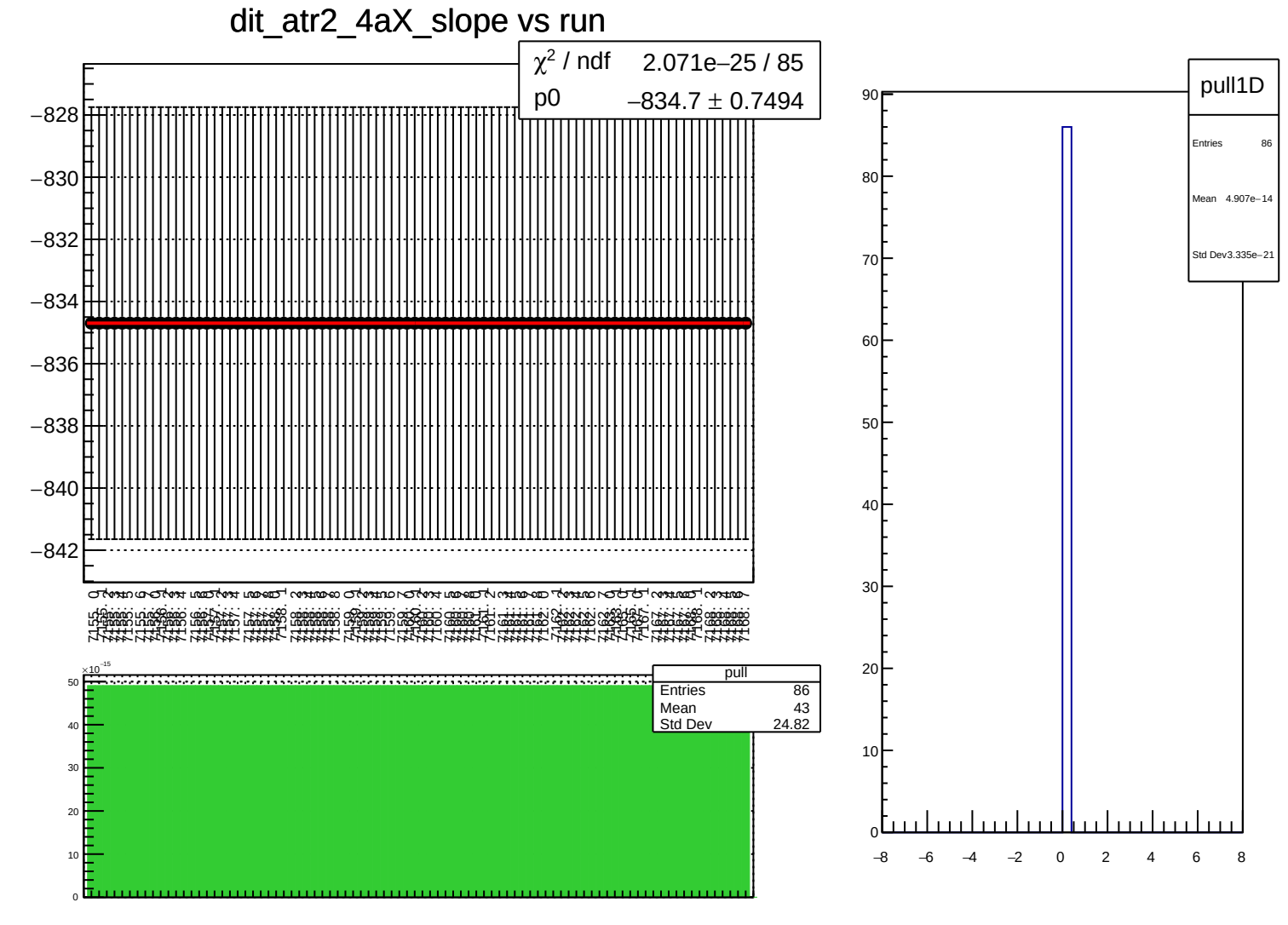

dit_atr1_4eX_slope vs run
χ² / ndf 3.015e−27 / 85
p0 14.54 ± 0.4852
18
16
14
12
10
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 86
Mean −5.921e−15
Std Dev 2.368e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

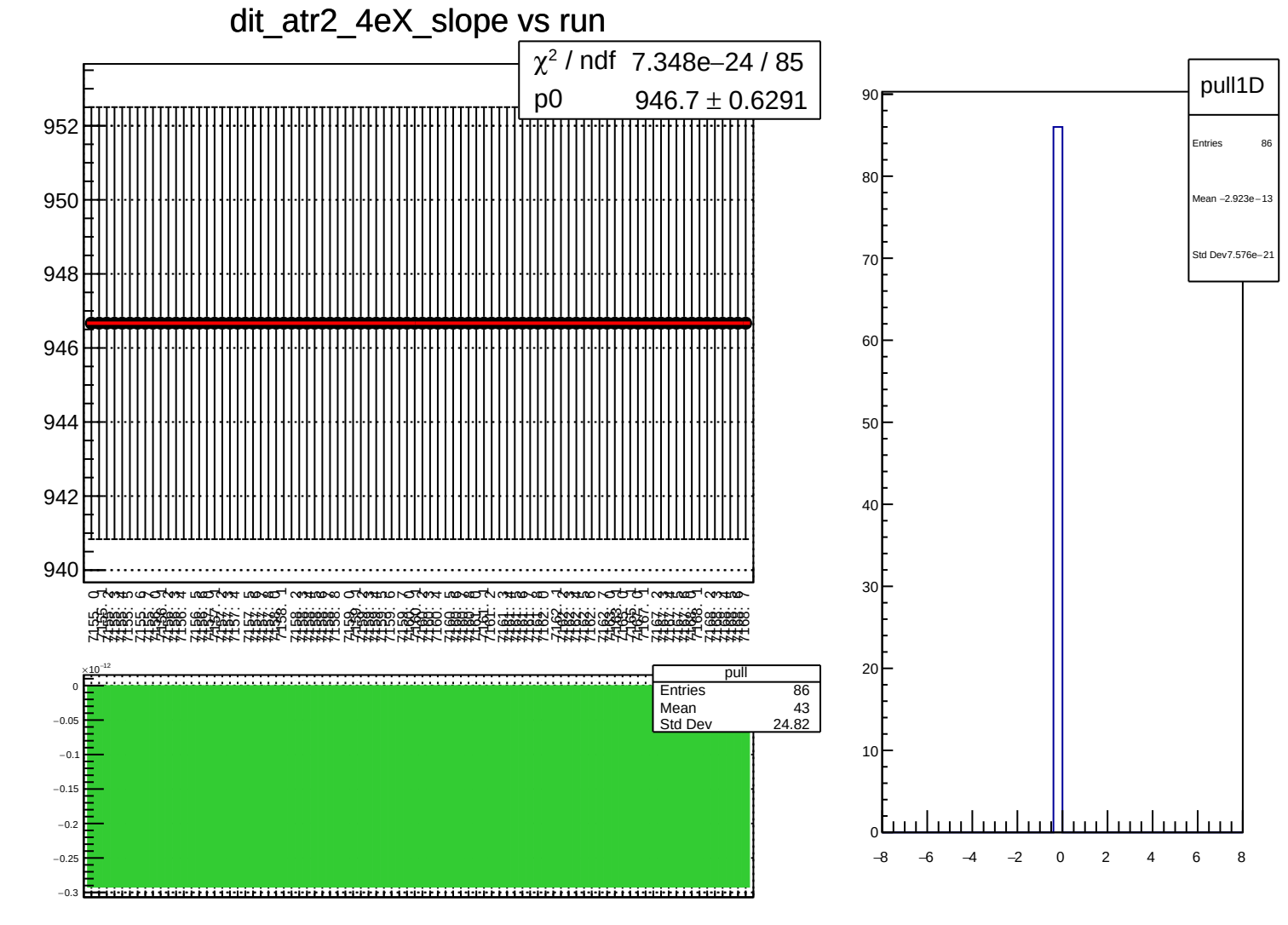

dit_atr1_11X12X_slope vs run
χ² / ndf 1.294e−26 / 85
p0 −20.17 ± 0.09369
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
−21
−21.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 86
Mean −1.227e−14
Std Dev 8.731e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

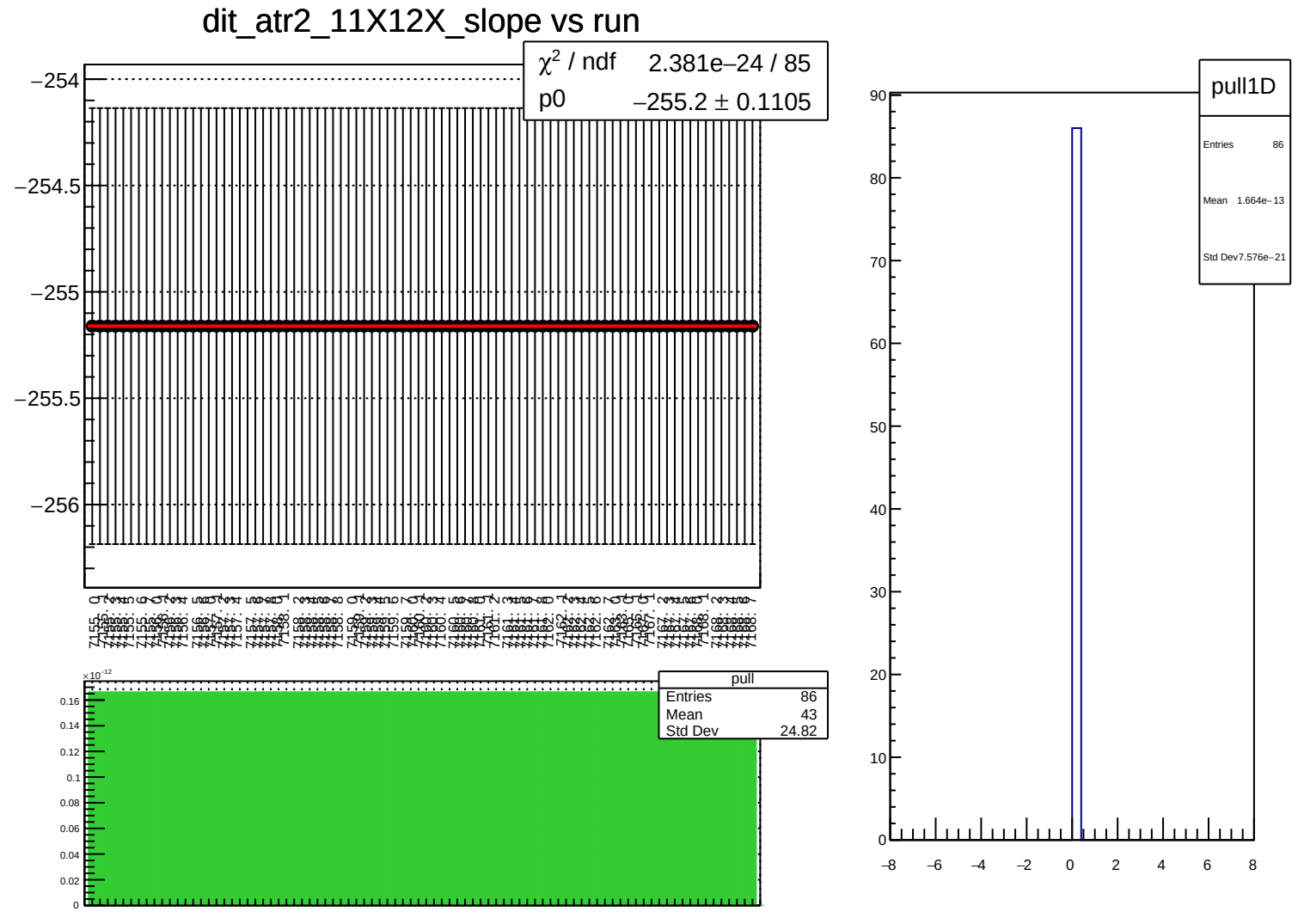

dit_atr1_4aY_slope vs run
χ² / ndf 4.064e−25 / 85
p0 16.25 ± 0.06687
16.8
16.6
16.4
16.2
16
15.8
15.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

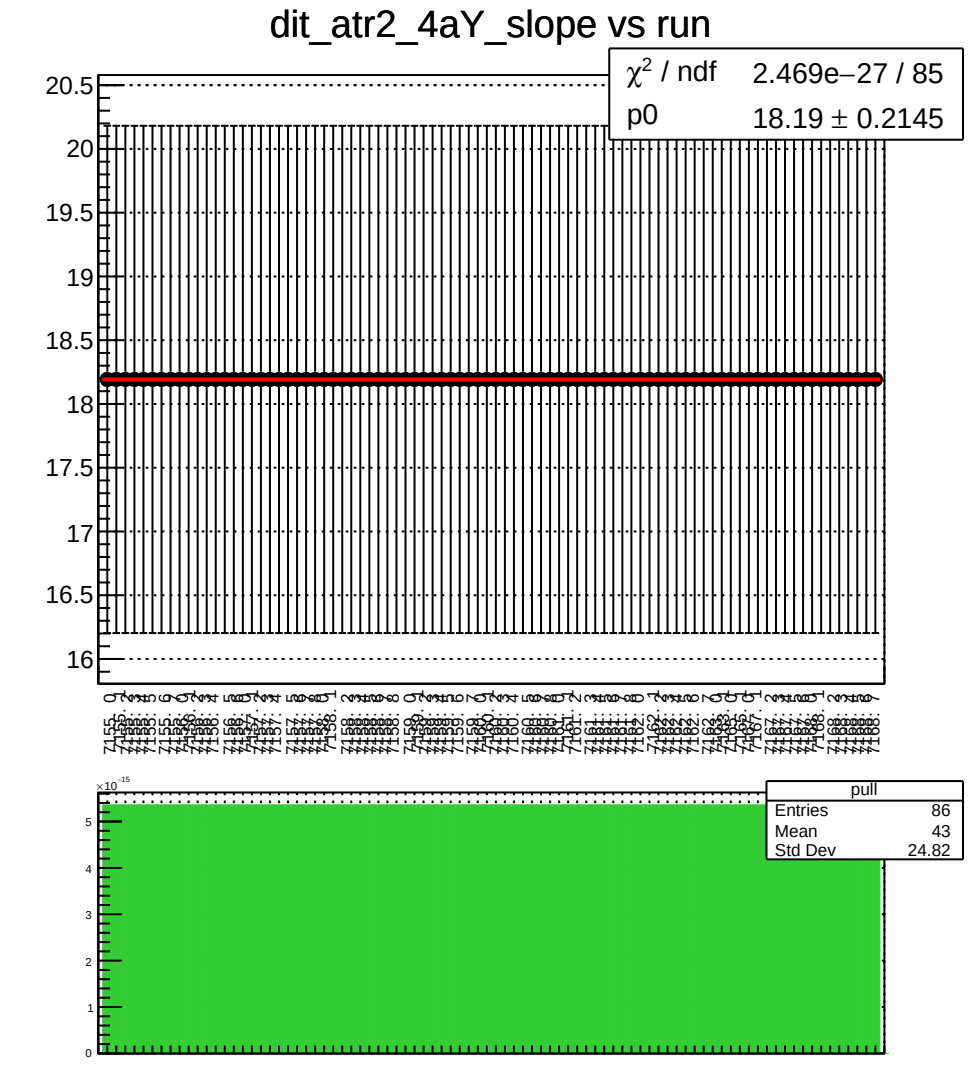

pull1D
Entries 86
Mean −6.874e−14
Std Dev3.594e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

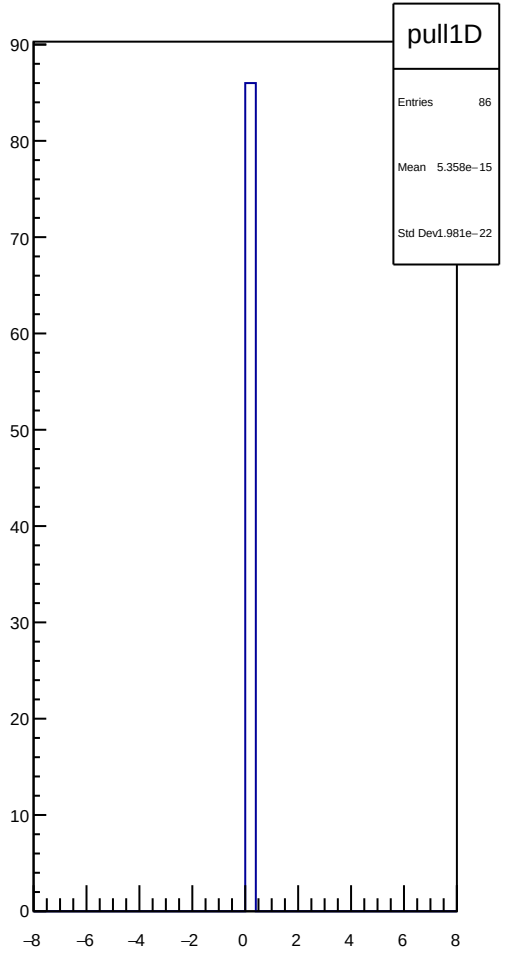

dit_atr1_4eY_slope vs run
χ² / ndf 1.247e−25 / 85
p0 −24.64 ± 0.08047
−23.8
−24
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 86
Mean 3.809e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

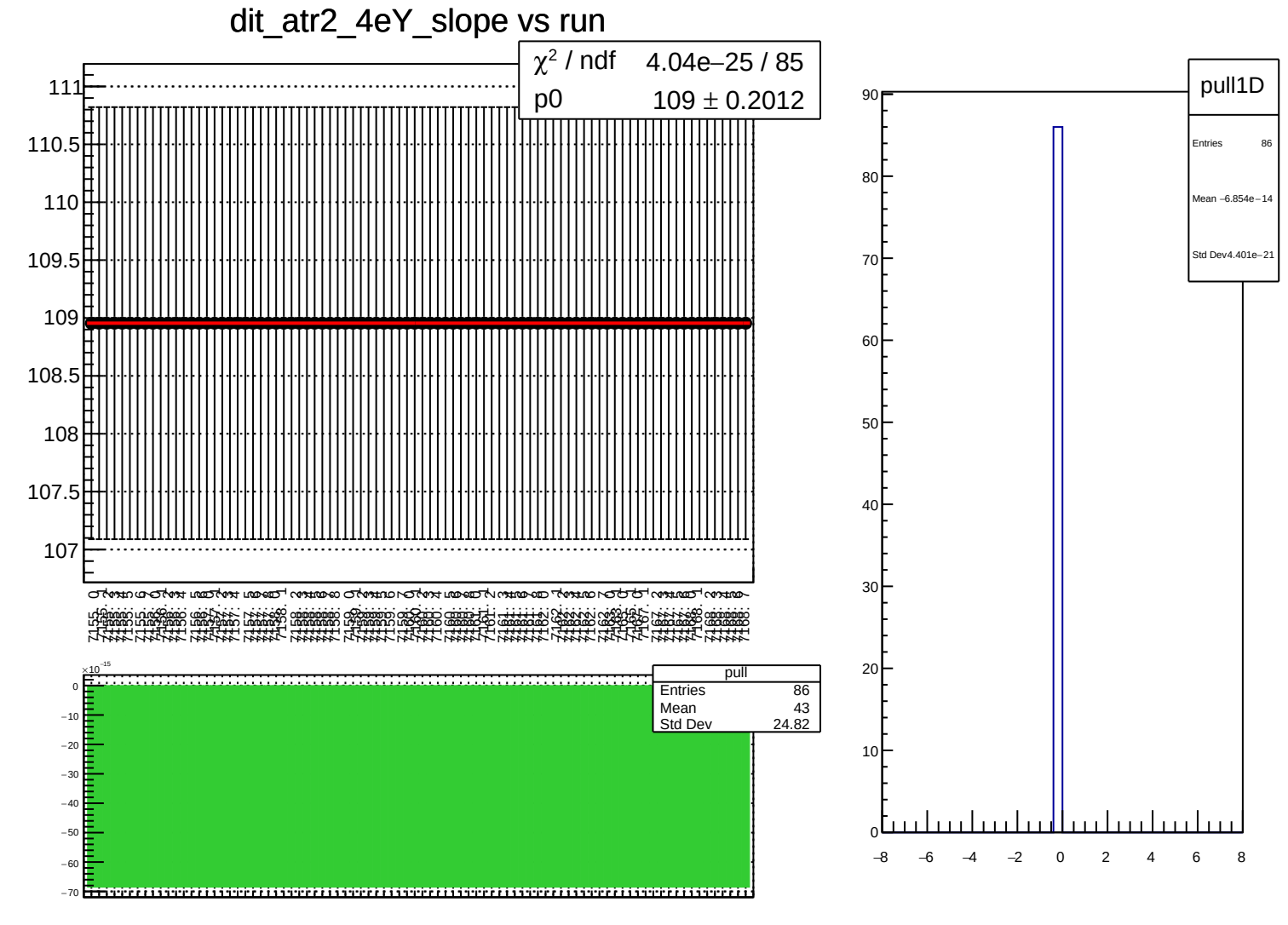

dit_atr2_4aX_slope vs run
χ² / ndf 2.071e−25 / 85
p0 −834.7 ± 0.7494
−828
−830
−832
−834
−836
−838
−840
−842
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 86
Mean 4.907e−14
Std Dev3.335e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

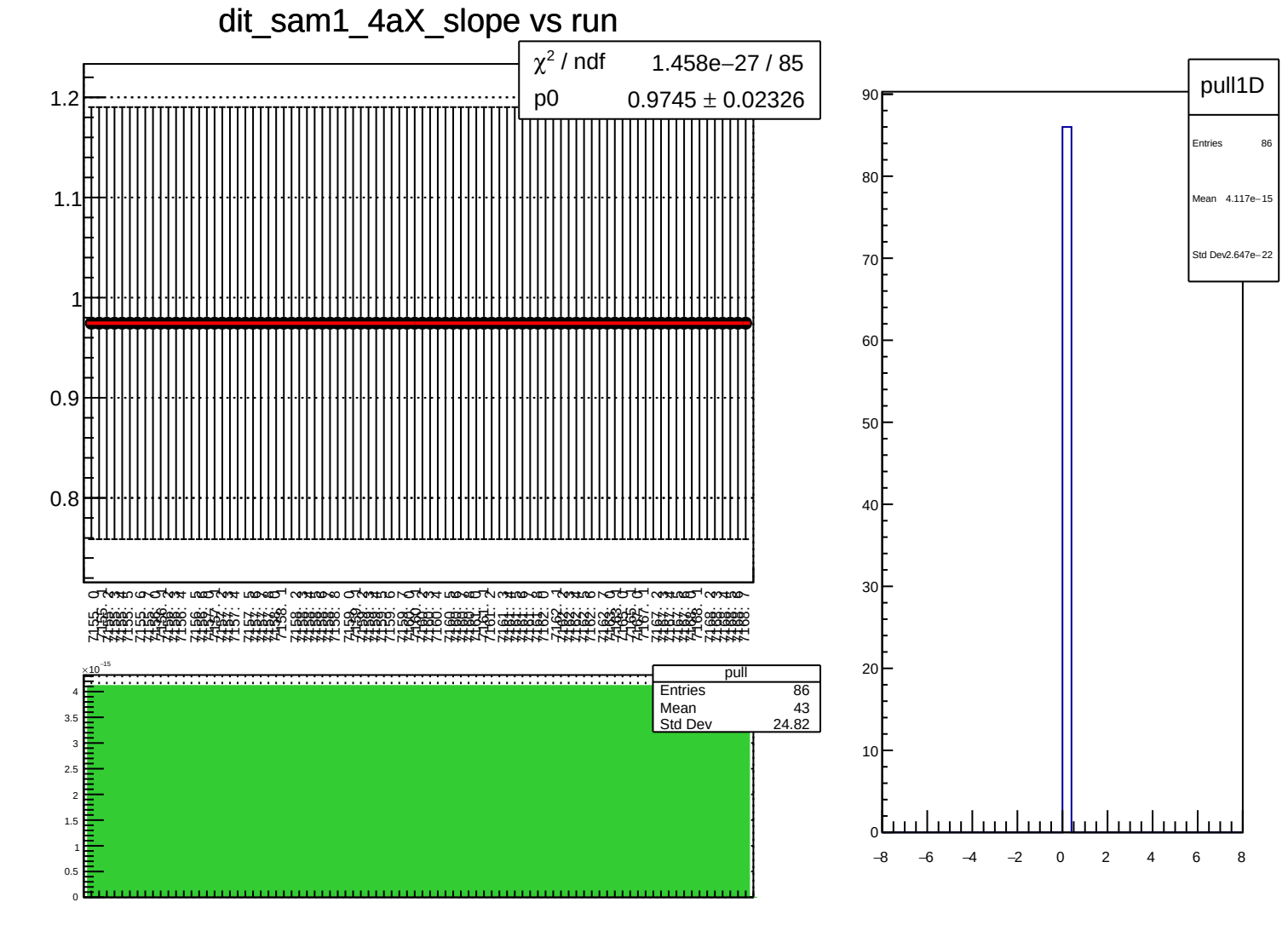

dit_atr2_4eX_slope vs run
χ² / ndf 7.348e−24 / 85
p0 946.7 ± 0.6291
952
950
948
946
944
942
940
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −2.923e−13
Std Dev7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

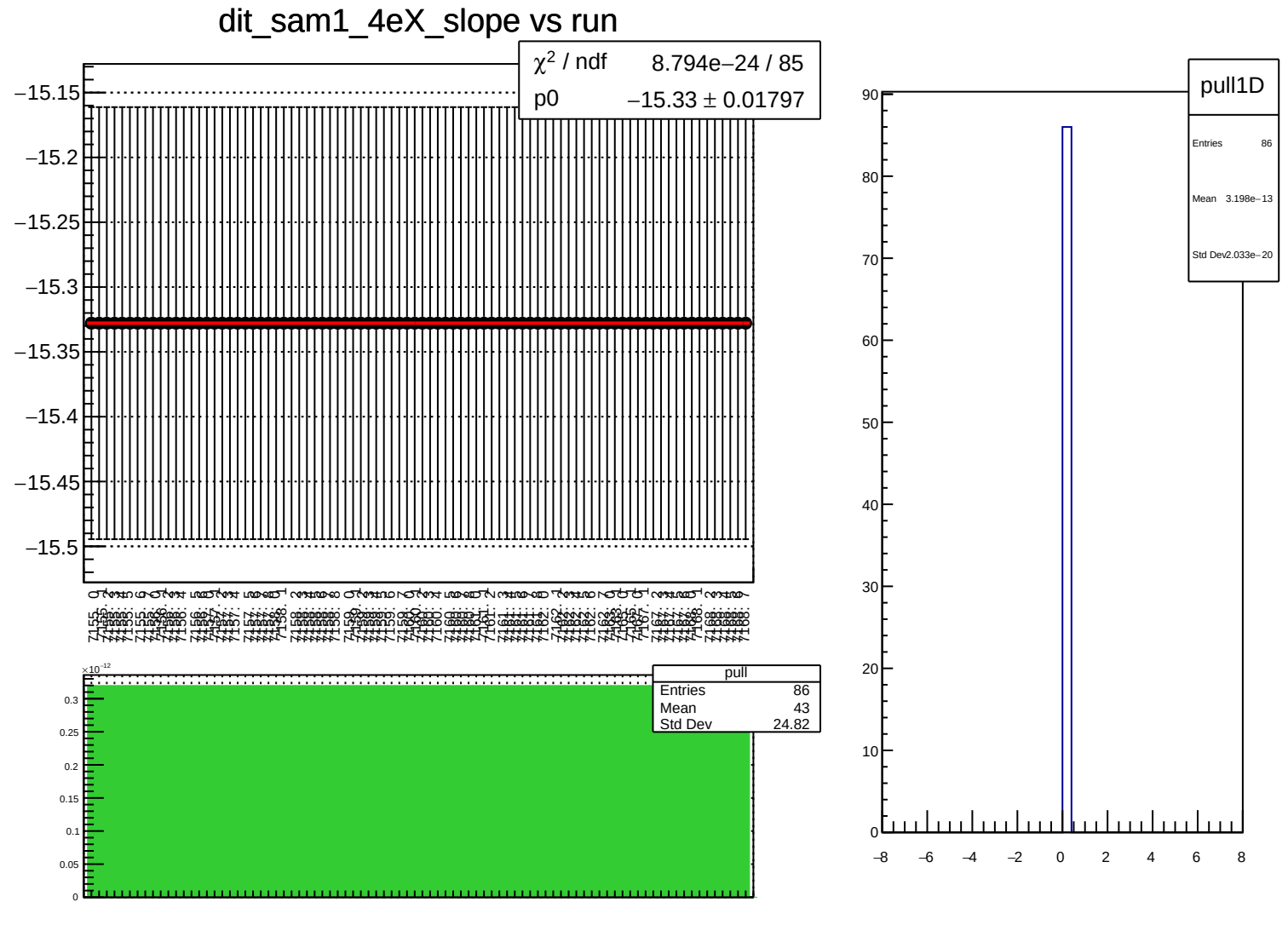

dit_atr2_11X12X_slope vs run
χ² / ndf 2.381e−24 / 85
p0 −255.2 ± 0.1105
−254
−254.5
−255
−255.5
−256
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.664e−13
Std Dev7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

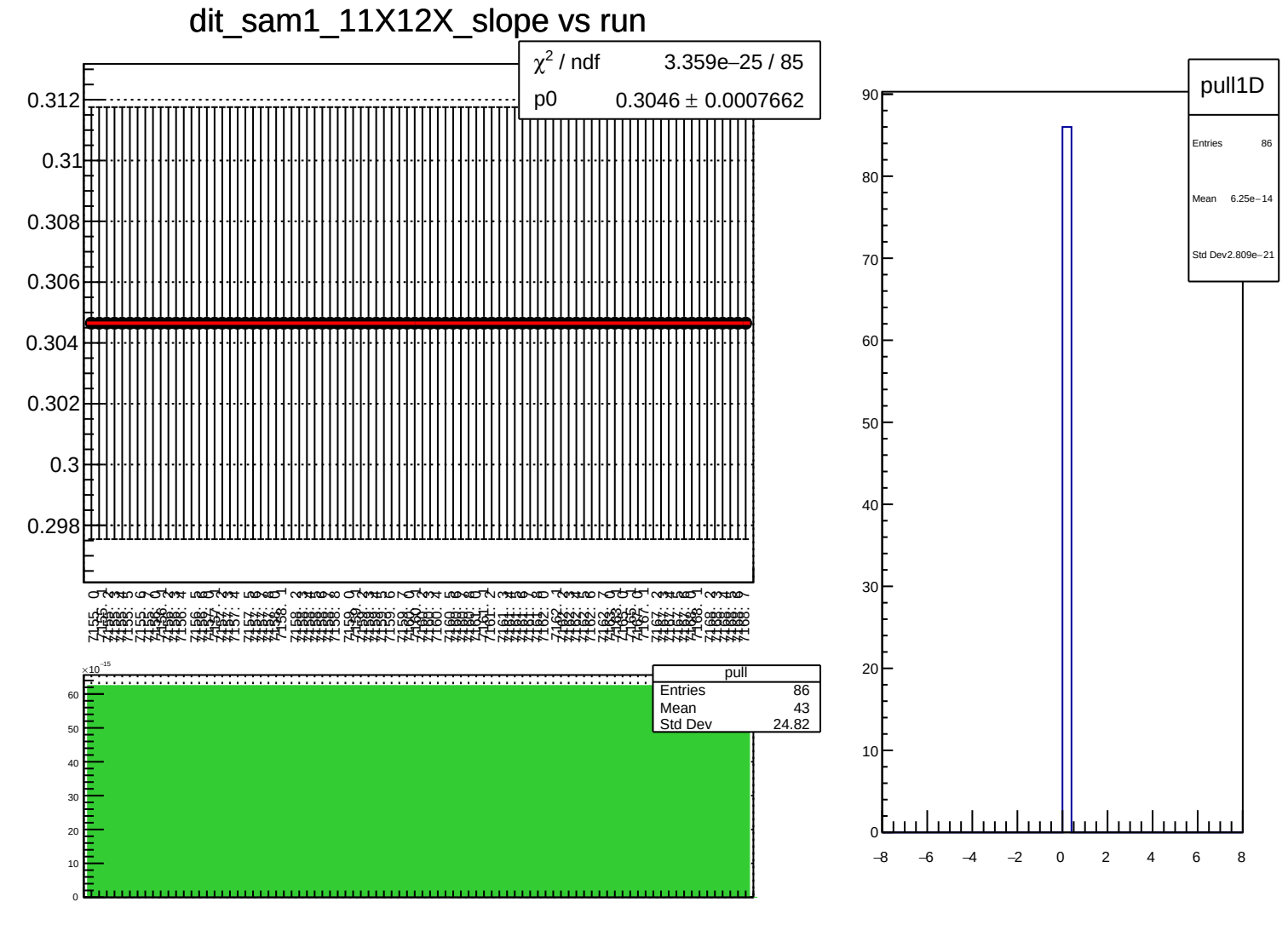

dit_atr2_4aY_slope vs run
χ² / ndf 2.469e−27 / 85
p0 18.19 ± 0.2145
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵

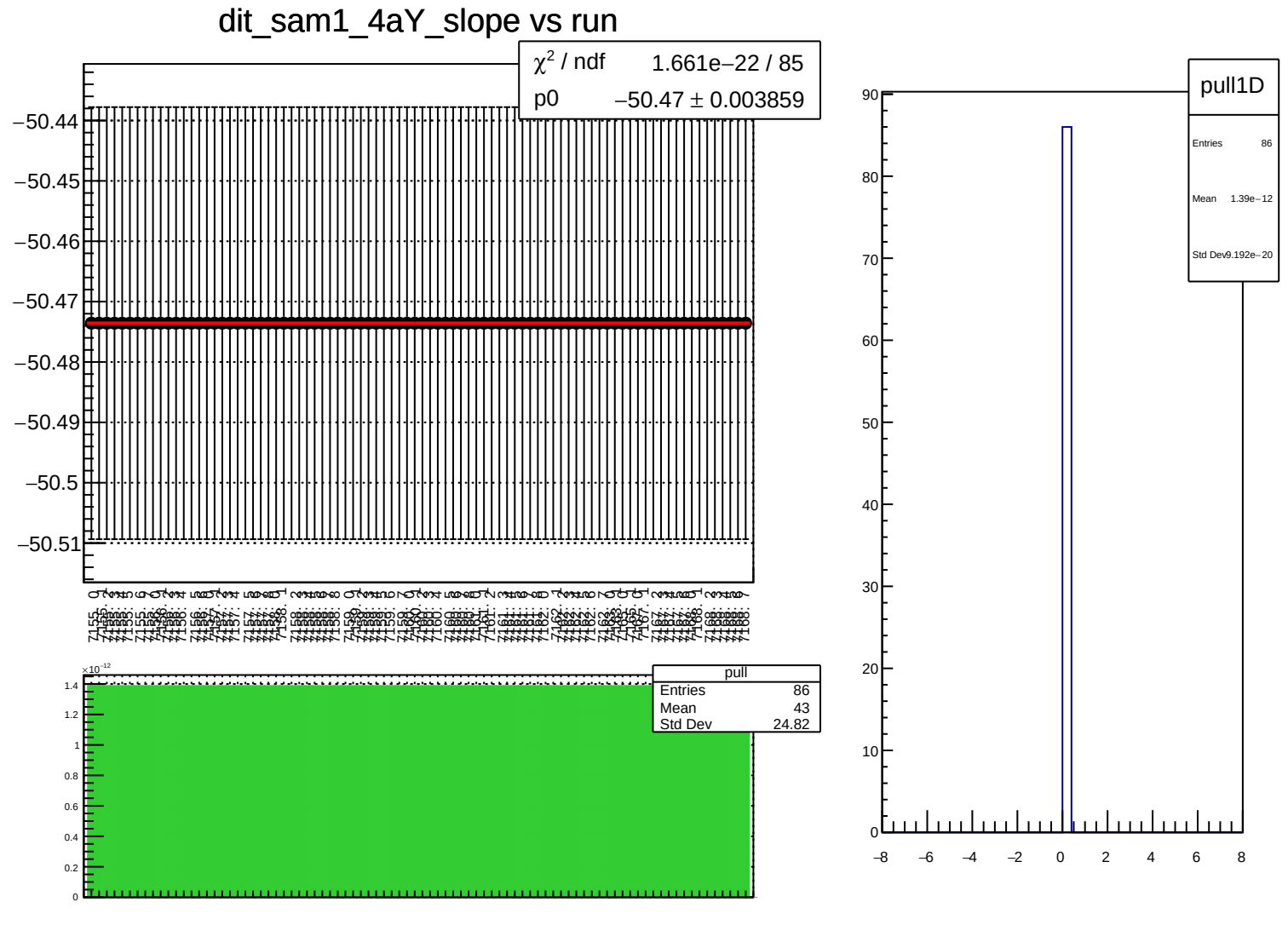

pull1D
Entries 86
Mean 5.358e−15
Std Dev1.981e−22

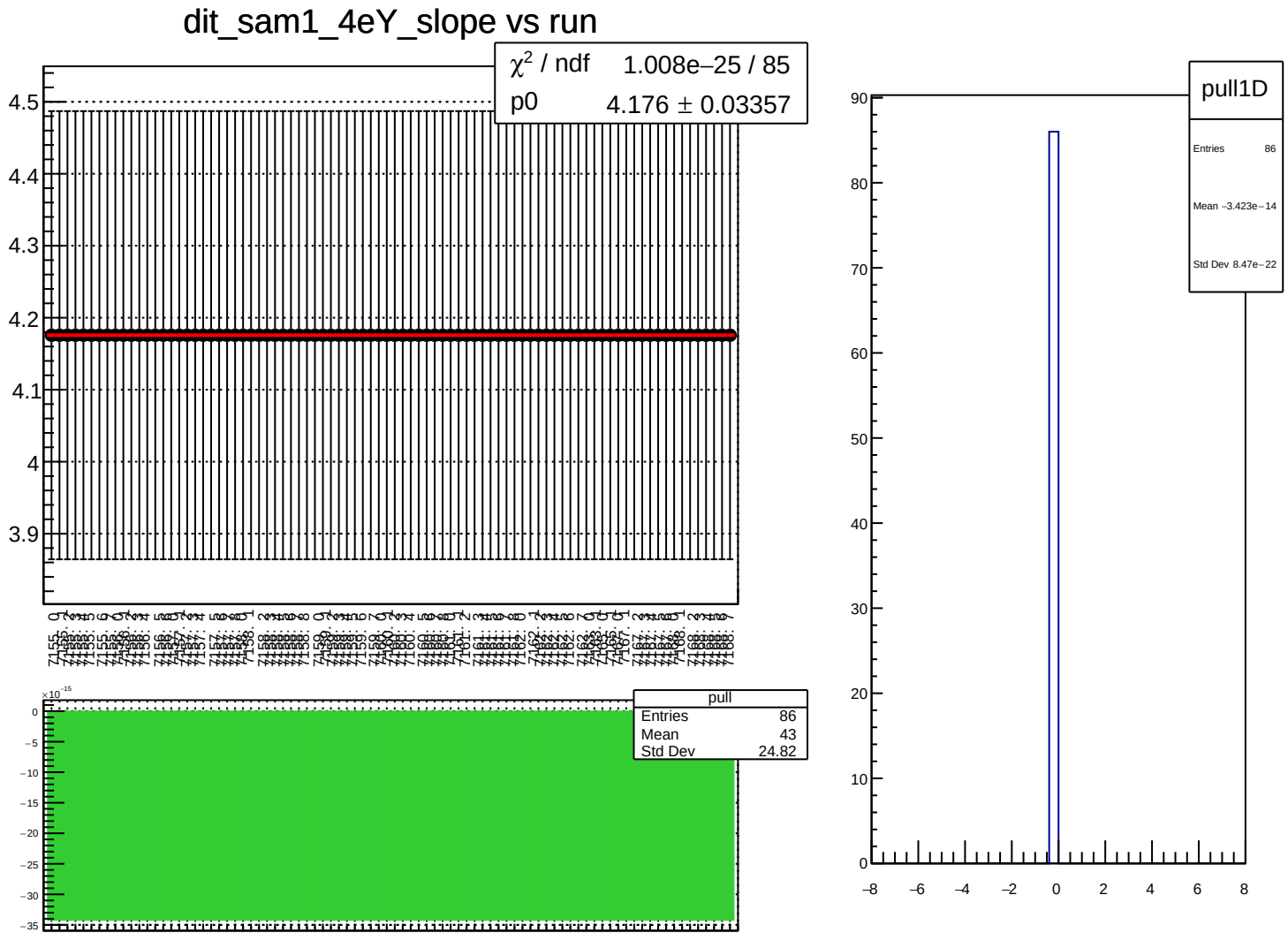

dit_atr2_4eY_slope vs run
χ² / ndf 4.04e−25 / 85
p0 109 ± 0.2012
111
110.5
110
109.5
109
108.5
108
107.5
107
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 86
Mean −6.854e−14
Std Dev4.401e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

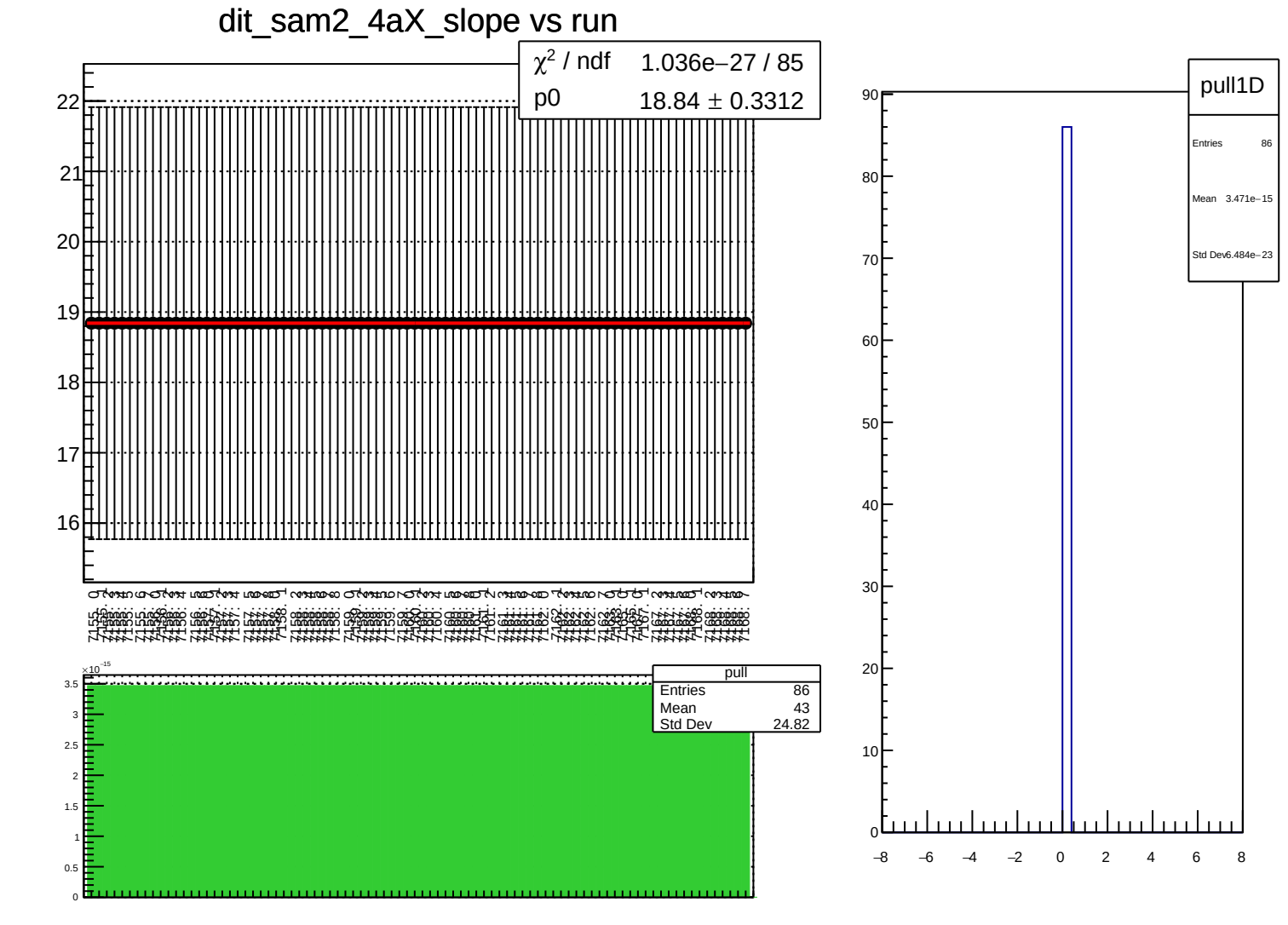

dit_sam1_4aX_slope vs run
χ² / ndf 1.458e−27 / 85
p0 0.9745 ± 0.02326
1.2
1.1
1
0.9
0.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 4.117e−15
Std Dev 2.647e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

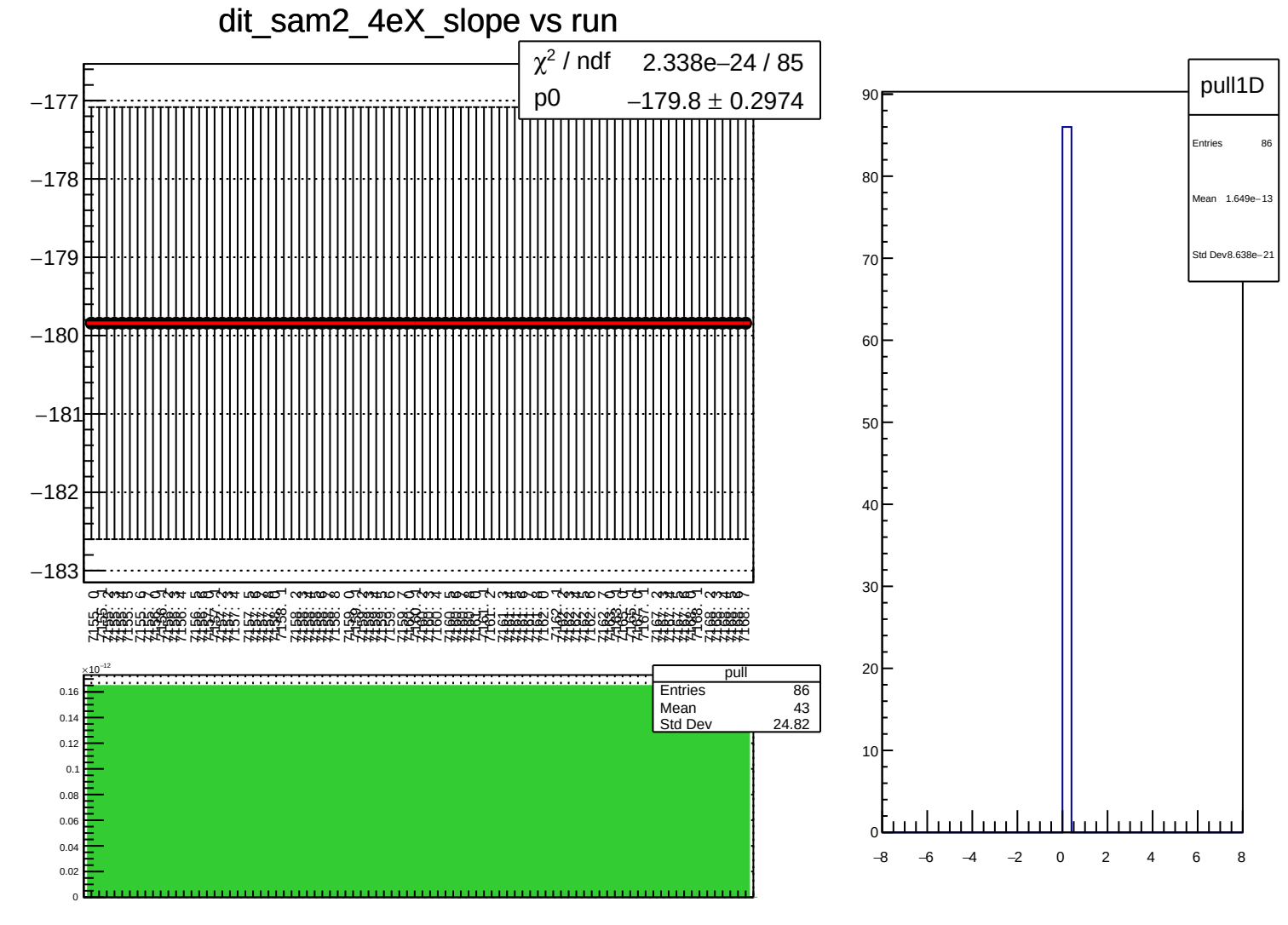

dit_sam1_4eX_slope vs run
χ² / ndf 8.794e−24 / 85
p0 −15.33 ± 0.01797
−15.15
−15.2
−15.25
−15.3
−15.35
−15.4
−15.45
−15.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 3.198e−13
Std Dev 2.033e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

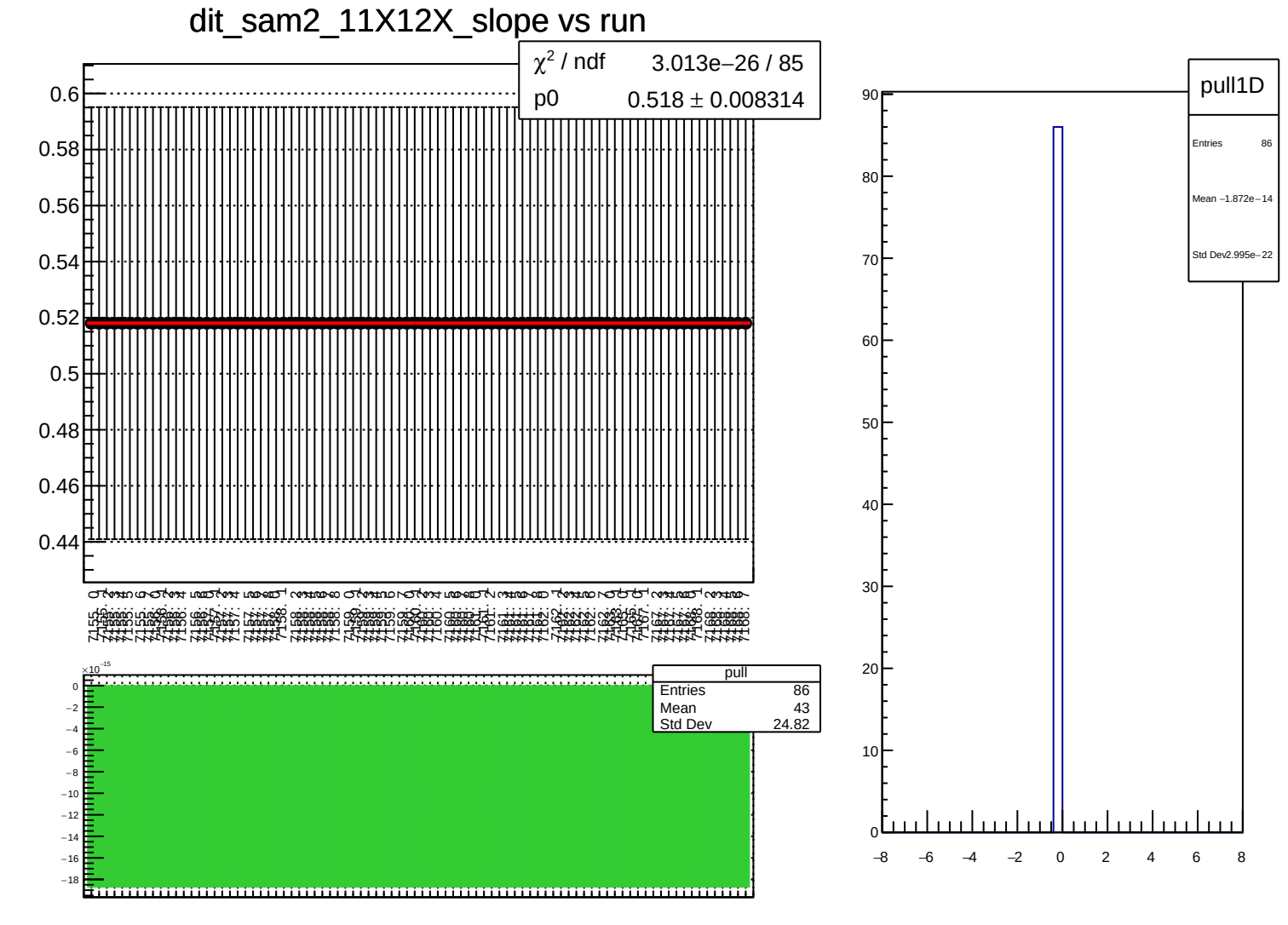

dit_sam1_11X12X_slope vs run
χ² / ndf 3.359e−25 / 85
p0 0.3046 ± 0.0007662
0.312
0.31
0.308
0.306
0.304
0.302
0.3
0.298
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 86
Mean 6.25e−14
Std Dev2.809e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

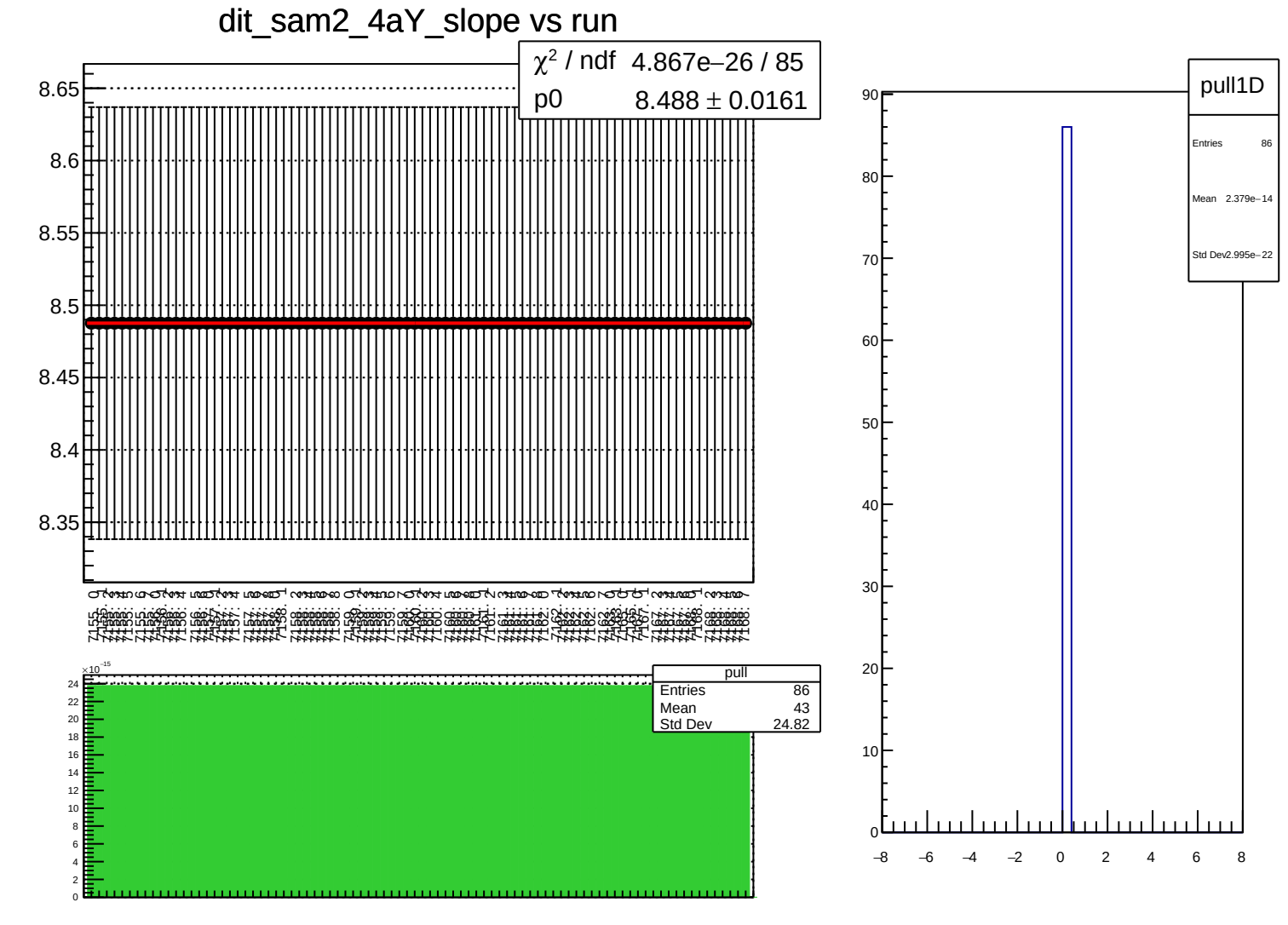

dit_sam1_4aY_slope vs run
χ² / ndf 1.661e−22 / 85
p0 −50.47 ± 0.003859
−50.44
−50.45
−50.46
−50.47
−50.48
−50.49
−50.5
−50.51
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 1.39e−12
Std Dev 9.192e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

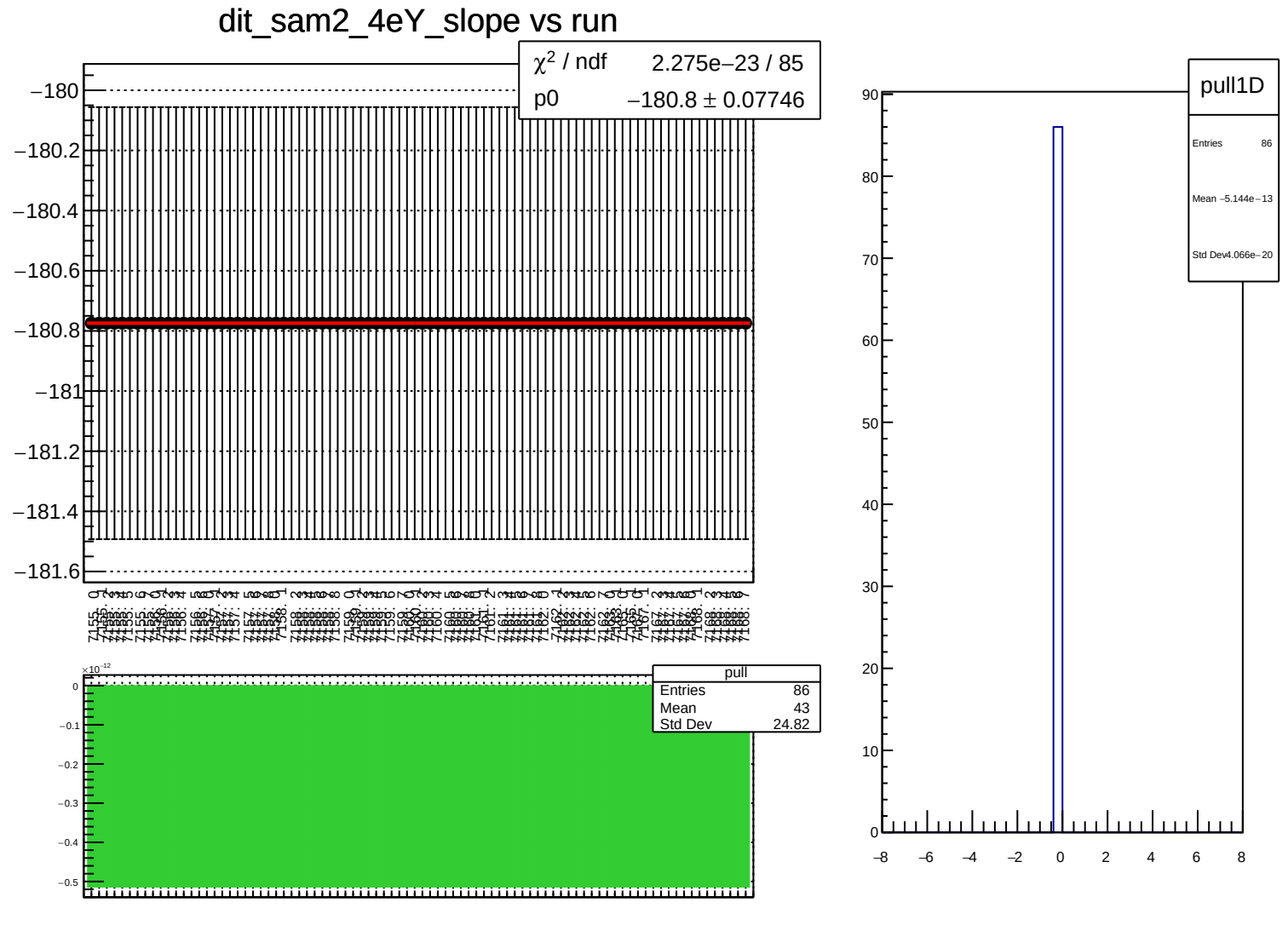

dit_sam1_4eY_slope vs run
χ² / ndf 1.008e−25 / 85
p0 4.176 ± 0.03357
4.5
4.4
4.3
4.2
4.1
4
3.9
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 86
Mean −3.423e−14
Std Dev 8.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

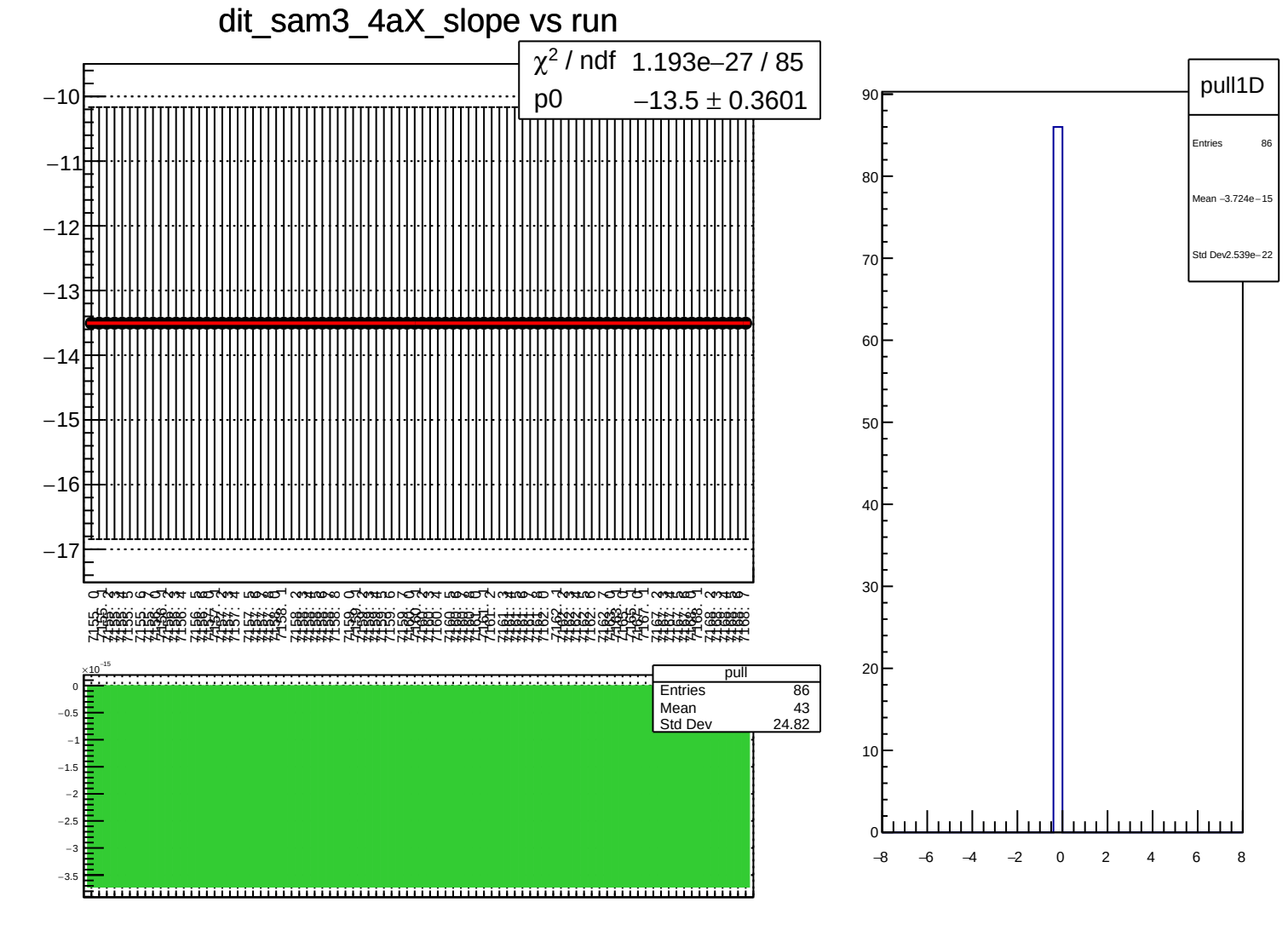

dit_sam2_4aX_slope vs run
χ^2 / ndf 1.036e−27 / 85
p0 18.84 ± 0.3312
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 3.471e−15
Std Dev 6.484e−23

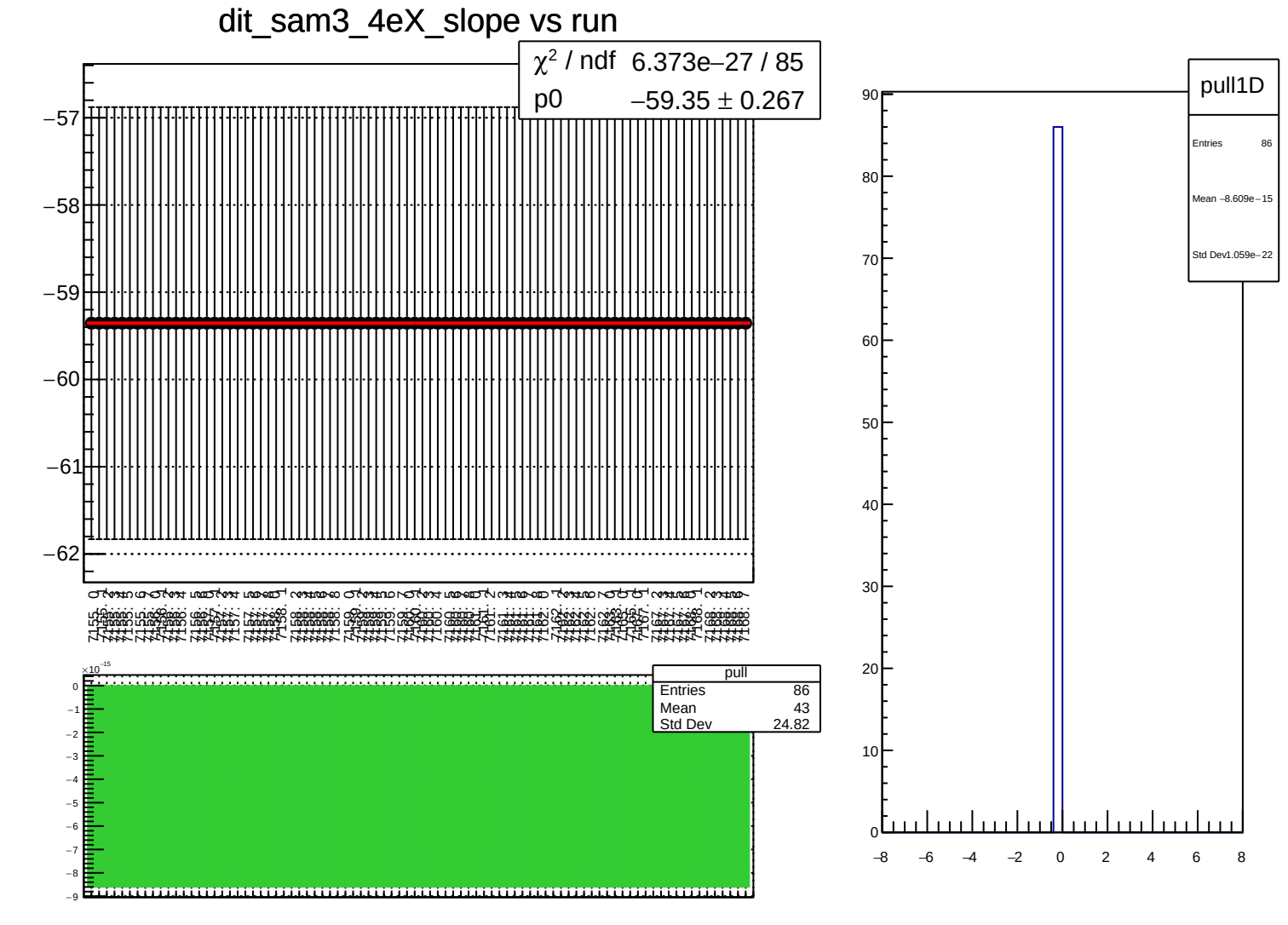

dit_sam2_4eX_slope vs run
χ² / ndf 2.338e−24 / 85
p0 −179.8 ± 0.2974
−177
−178
−179
−180
−181
−182
−183
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.649e−13
Std Dev8.638e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

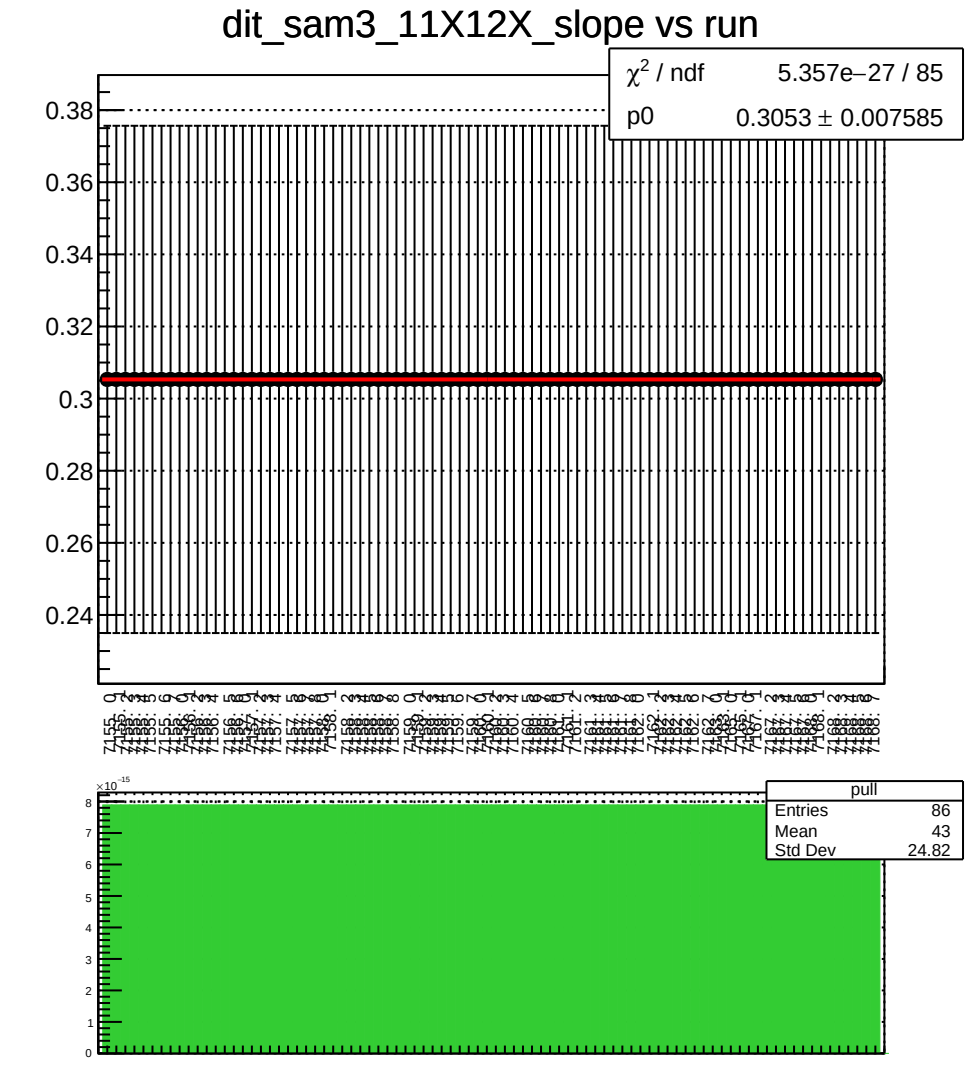

dit_sam2_11X12X_slope vs run
χ² / ndf 3.013e−26 / 85
p0 0.518 ± 0.008314
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −1.872e−14
Std Dev 2.995e−22

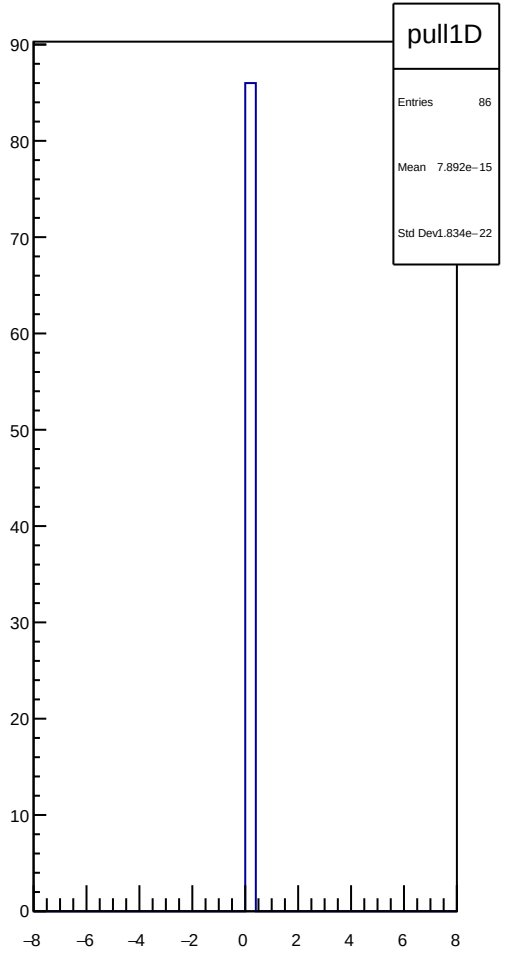

dit_sam2_4aY_slope vs run
χ² / ndf 4.867e−26 / 85
p0 8.488 ± 0.0161
8.65
8.6
8.55
8.5
8.45
8.4
8.35
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 2.379e−14
Std Dev 2.995e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

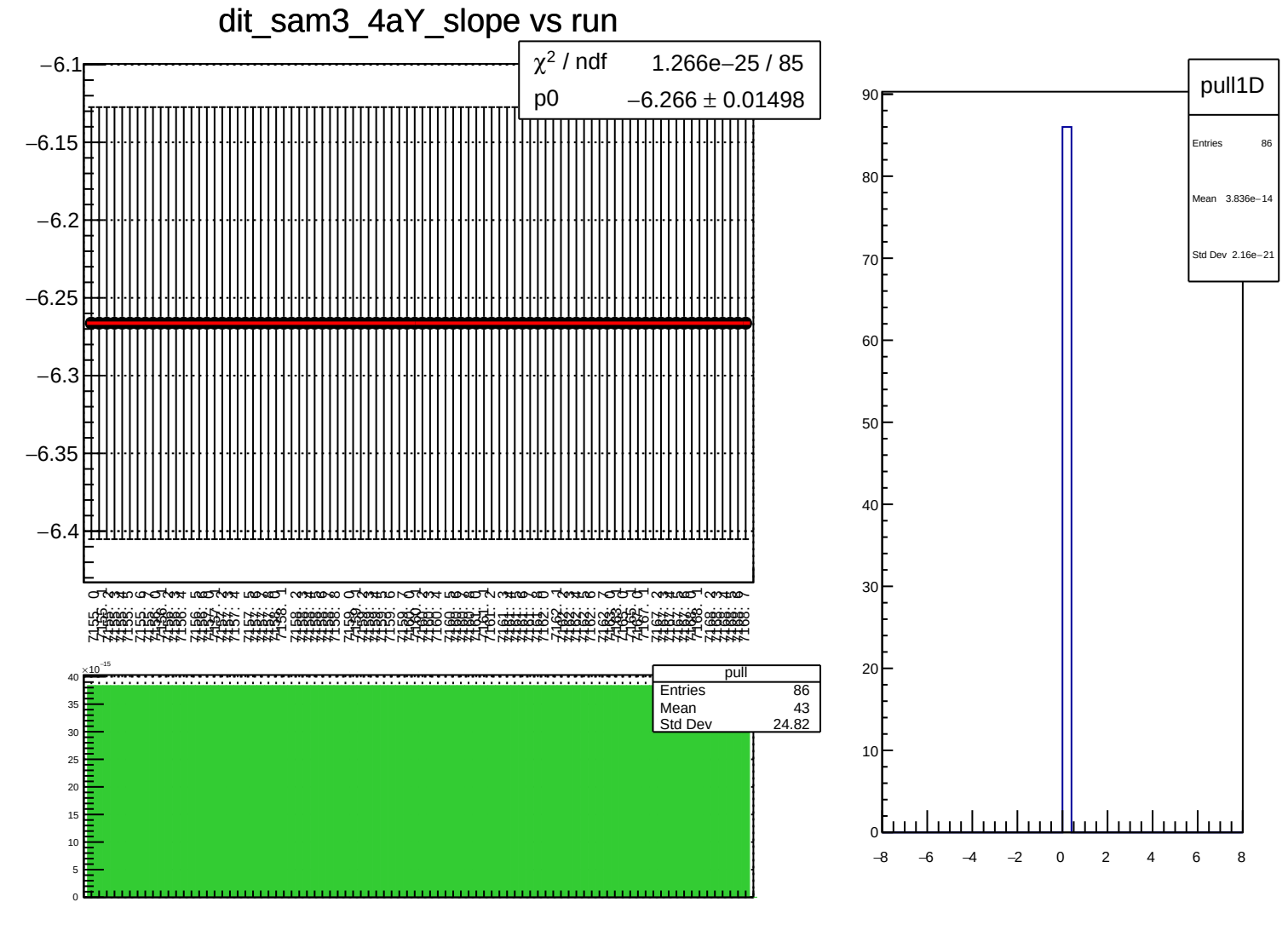

dit_sam2_4eY_slope vs run
χ² / ndf 2.275e−23 / 85
p0 −180.8 ± 0.07746
−180
−180.2
−180.4
−180.6
−180.8
−181
−181.2
−181.4
−181.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 86
Mean −5.144e−13
Std Dev4.066e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

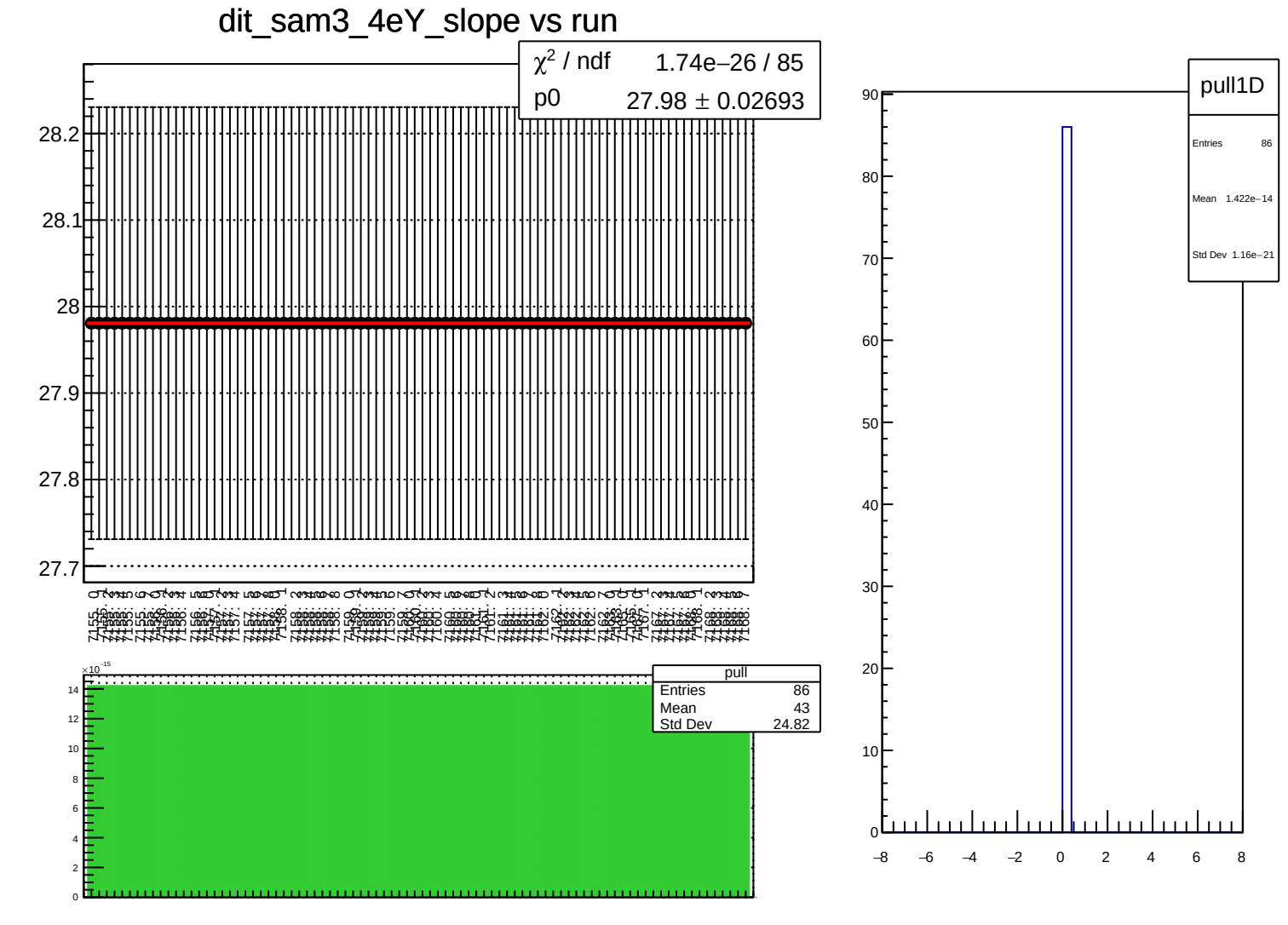

dit_sam3_4aX_slope vs run
χ² / ndf 1.193e−27 / 85
p0 −13.5 ± 0.3601
−10
−11
−12
−13
−14
−15
−16
−17
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 86
Mean −3.724e−15
Std Dev 2.539e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

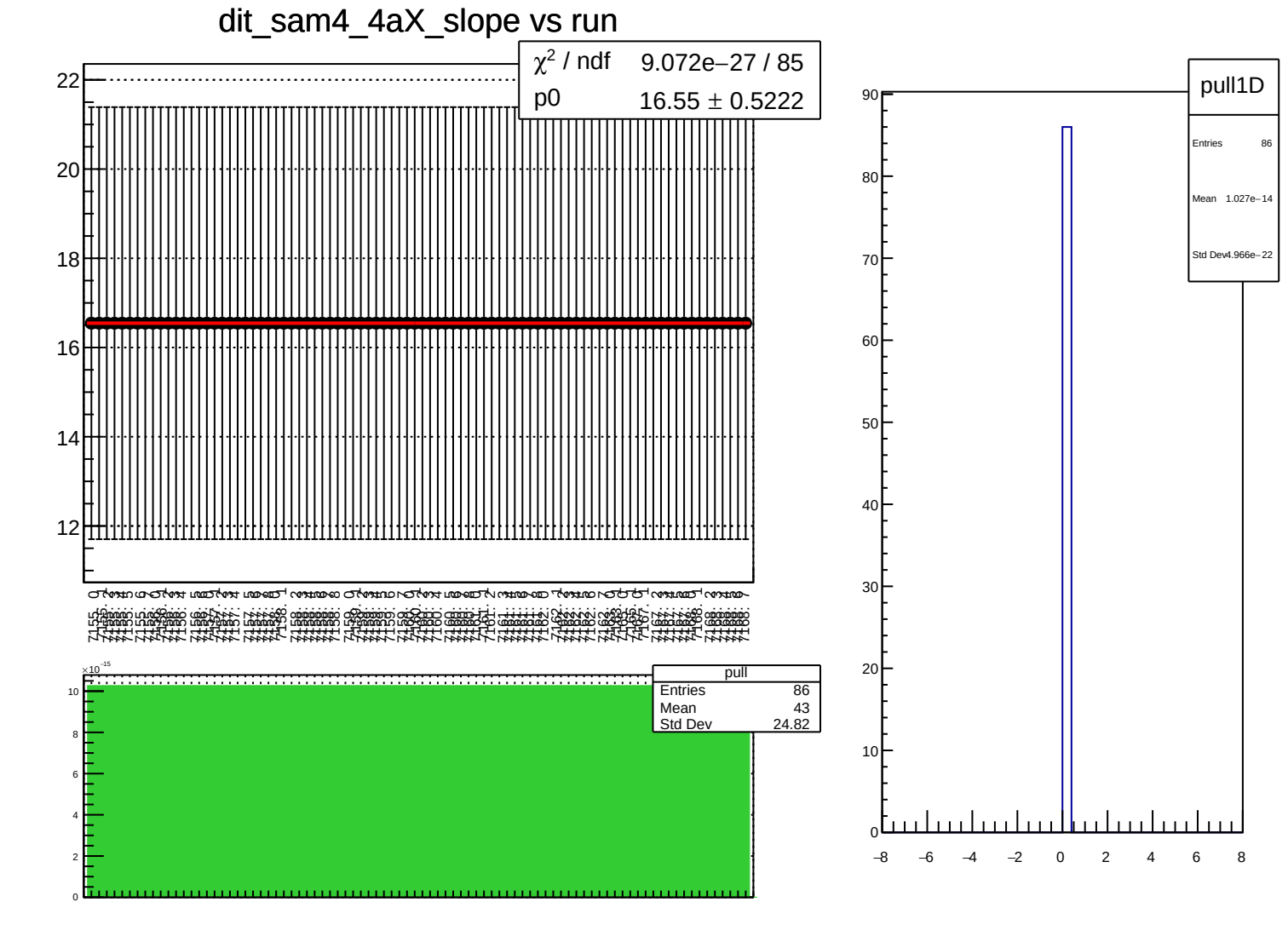

dit_sam3_4eX_slope vs run
χ² / ndf 6.373e−27 / 85
p0 −59.35 ± 0.267
−57
−58
−59
−60
−61
−62
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9
pull1D
Entries 86
Mean −8.609e−15
Std Dev1.059e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

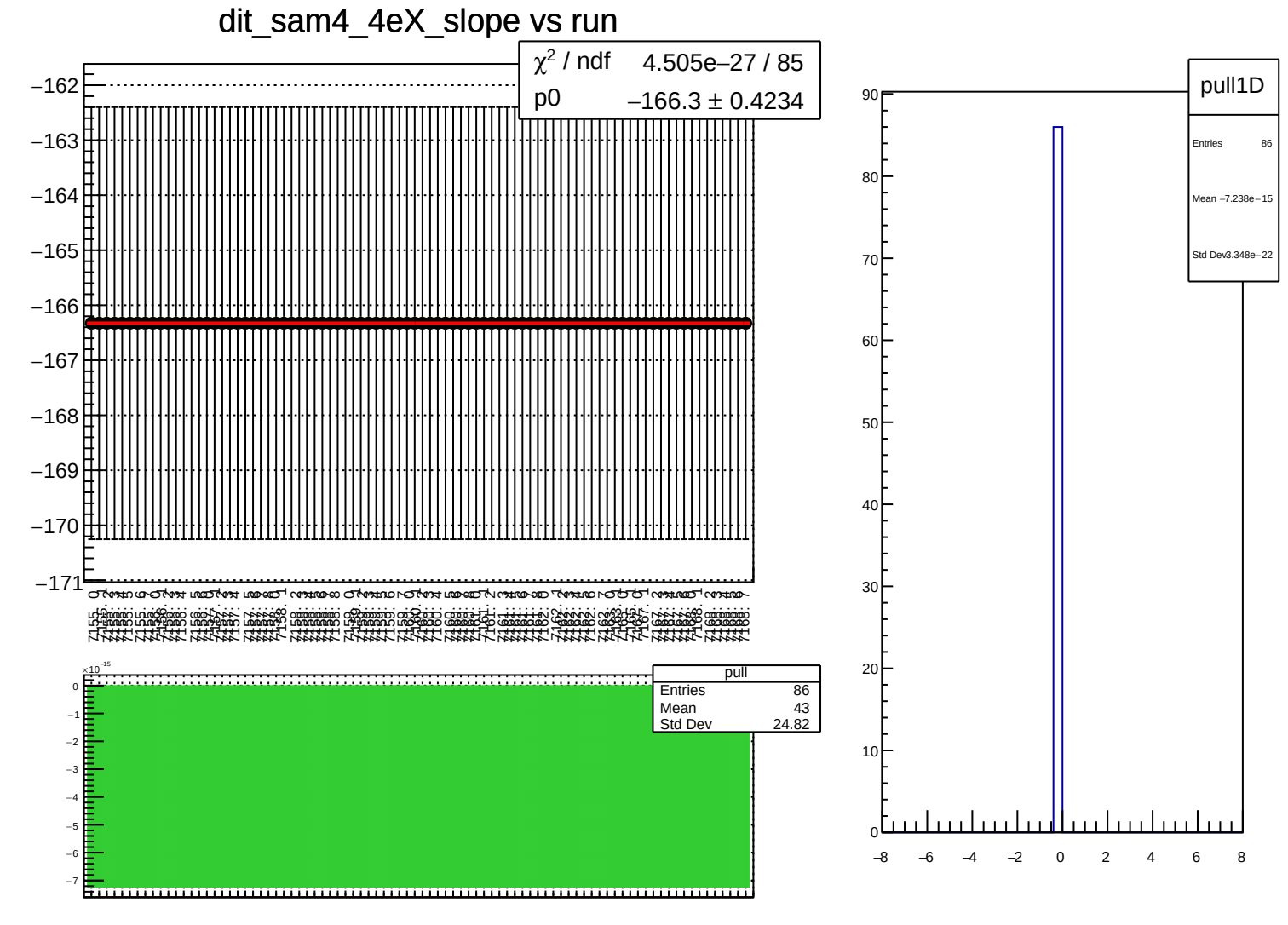

dit_sam3_11X12X_slope vs run
χ² / ndf 5.357e−27 / 85
p0 0.3053 ± 0.007585
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
×10⁻¹⁵
8
7
6
5
4
3
2
1
0
pull
Entries 86
Mean 43
Std Dev 24.82

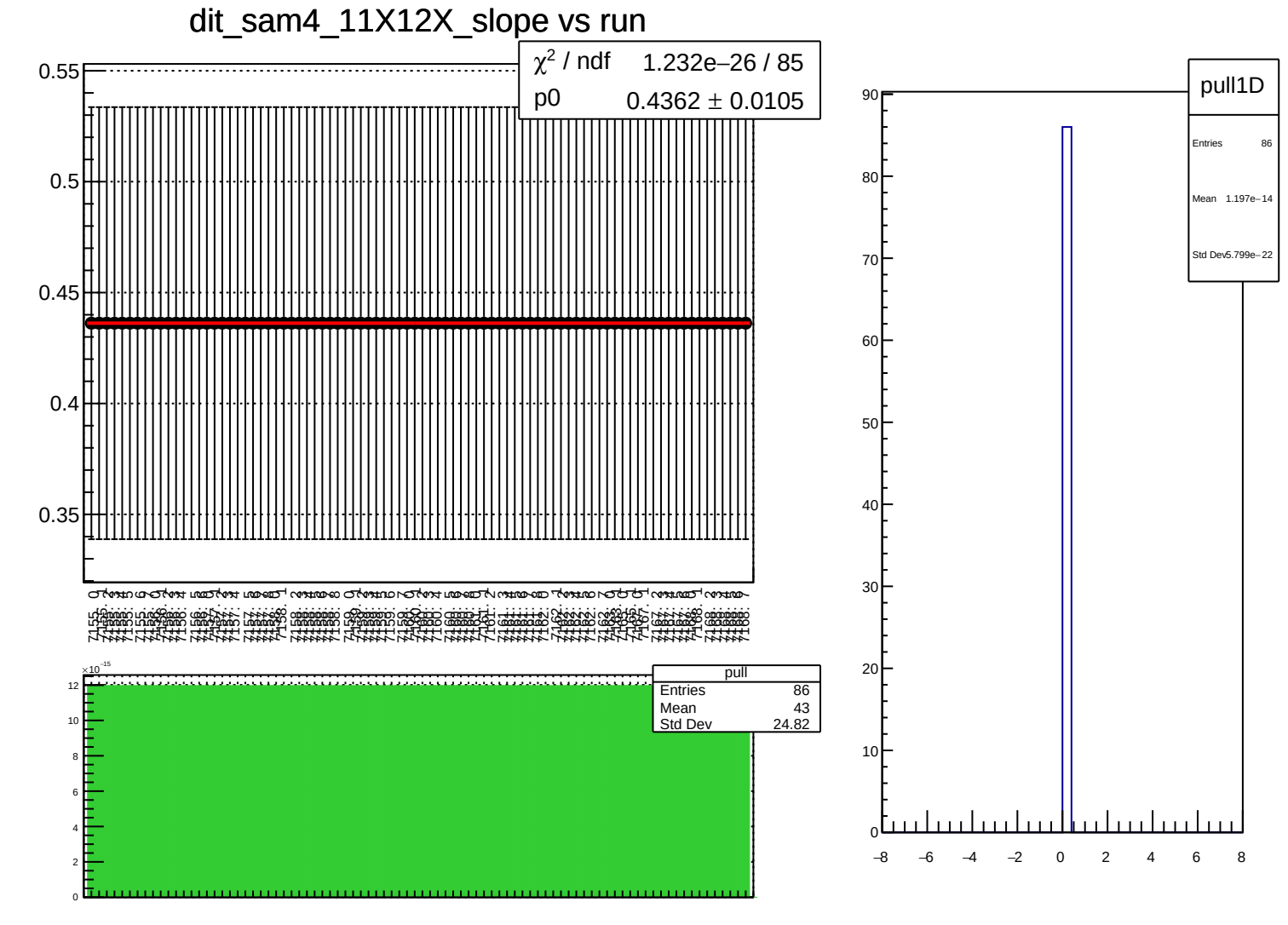

pull1D
Entries 86
Mean 7.892e−15
Std Dev1.834e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

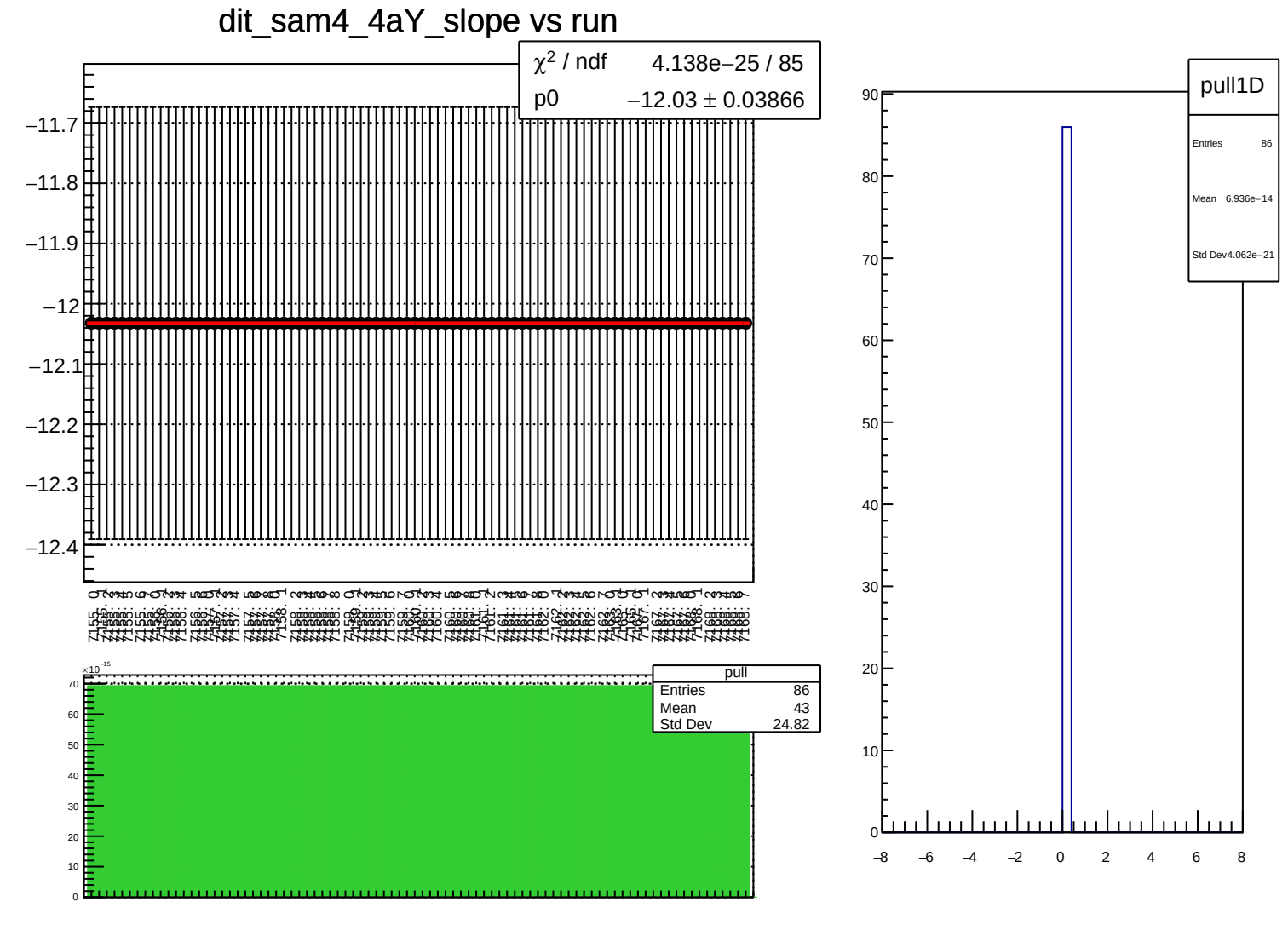

dit_sam3_4aY_slope vs run
χ² / ndf 1.266e−25 / 85
p0 −6.266 ± 0.01498
−6.1
−6.15
−6.2
−6.25
−6.3
−6.35
−6.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 86
Mean 3.836e−14
Std Dev 2.16e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

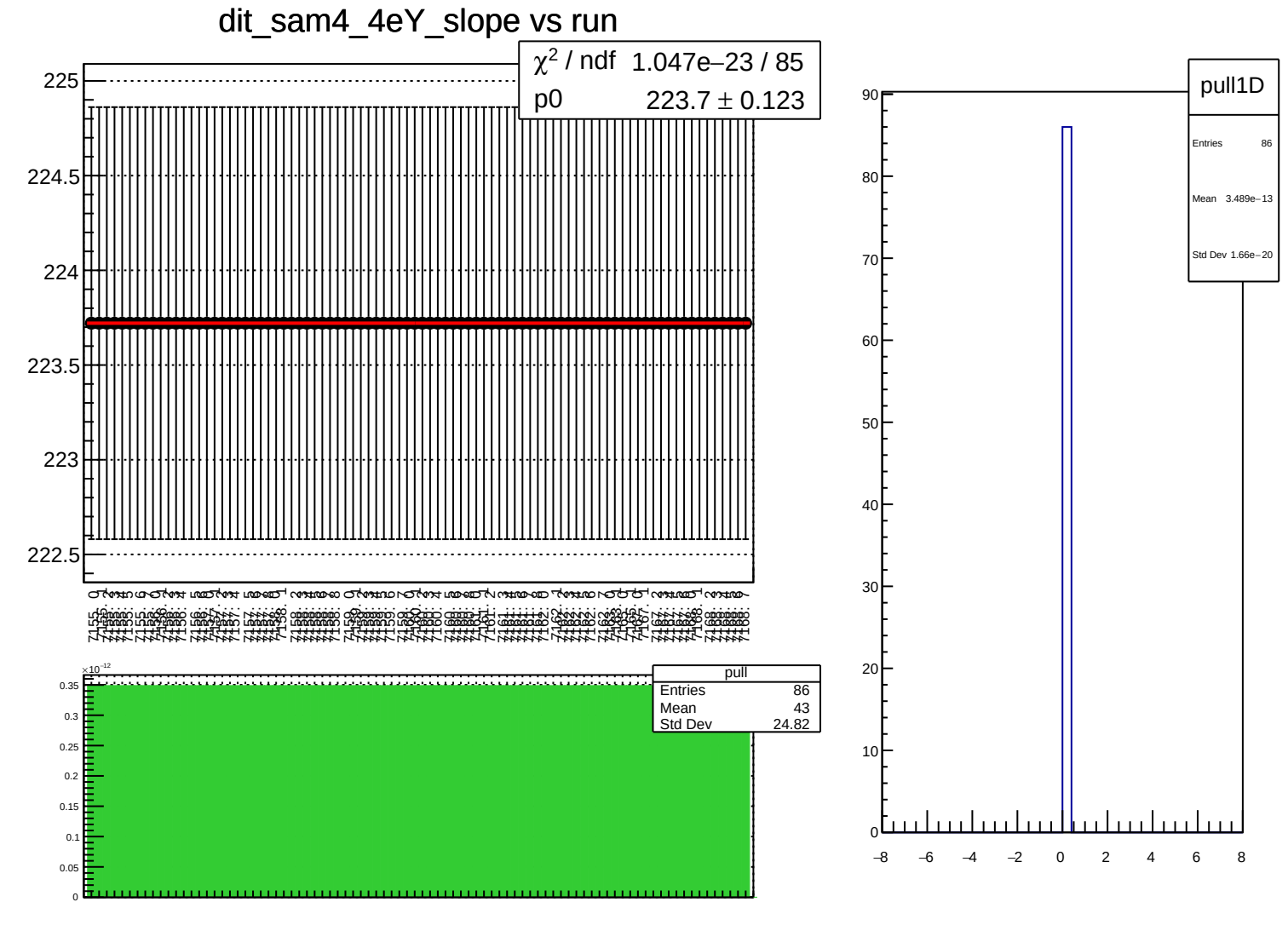

dit_sam3_4eY_slope vs run
χ² / ndf 1.74e−26 / 85
p0 27.98 ± 0.02693
28.2
28.1
28
27.9
27.8
27.7
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.422e−14
Std Dev 1.16e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

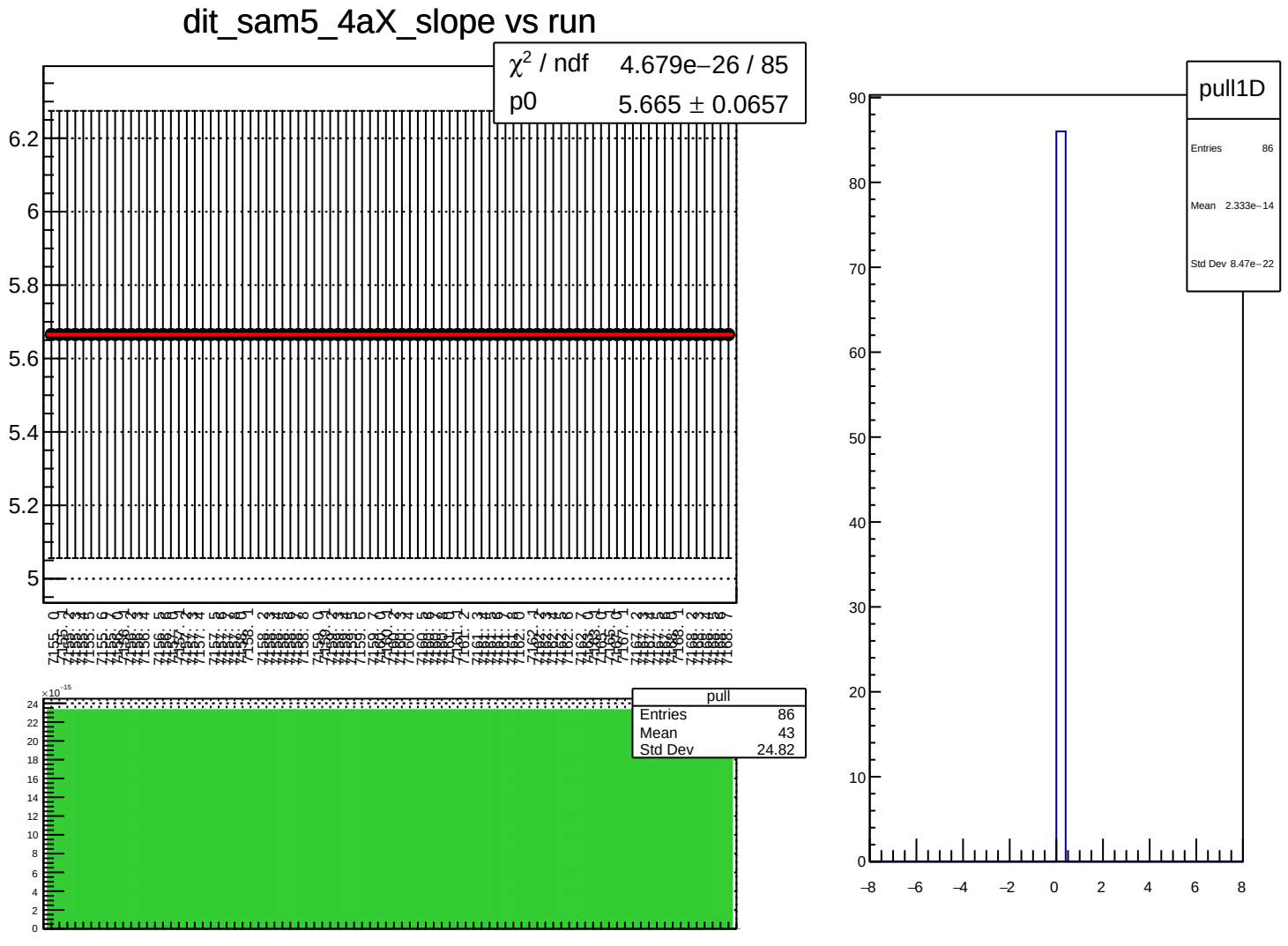

dit_sam4_4aX_slope vs run
χ² / ndf 9.072e−27 / 85
p0 16.55 ± 0.5222
22
20
18
16
14
12
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.027e−14
Std Dev 4.966e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

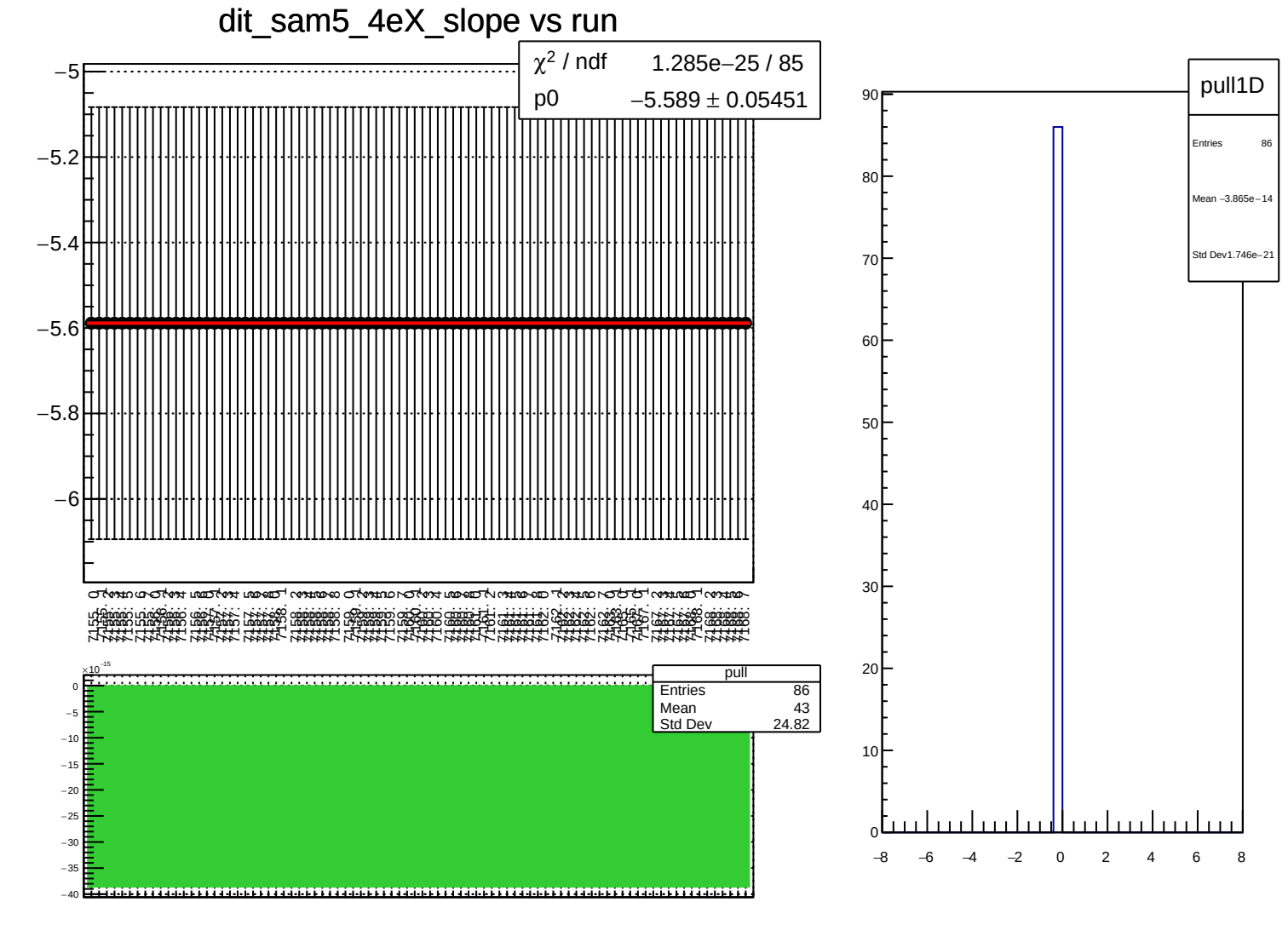

dit_sam4_4eX_slope vs run
χ² / ndf 4.505e−27 / 85
p0 −166.3 ± 0.4234
−162
−163
−164
−165
−166
−167
−168
−169
−170
−171
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 86
Mean −7.238e−15
Std Dev3.348e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

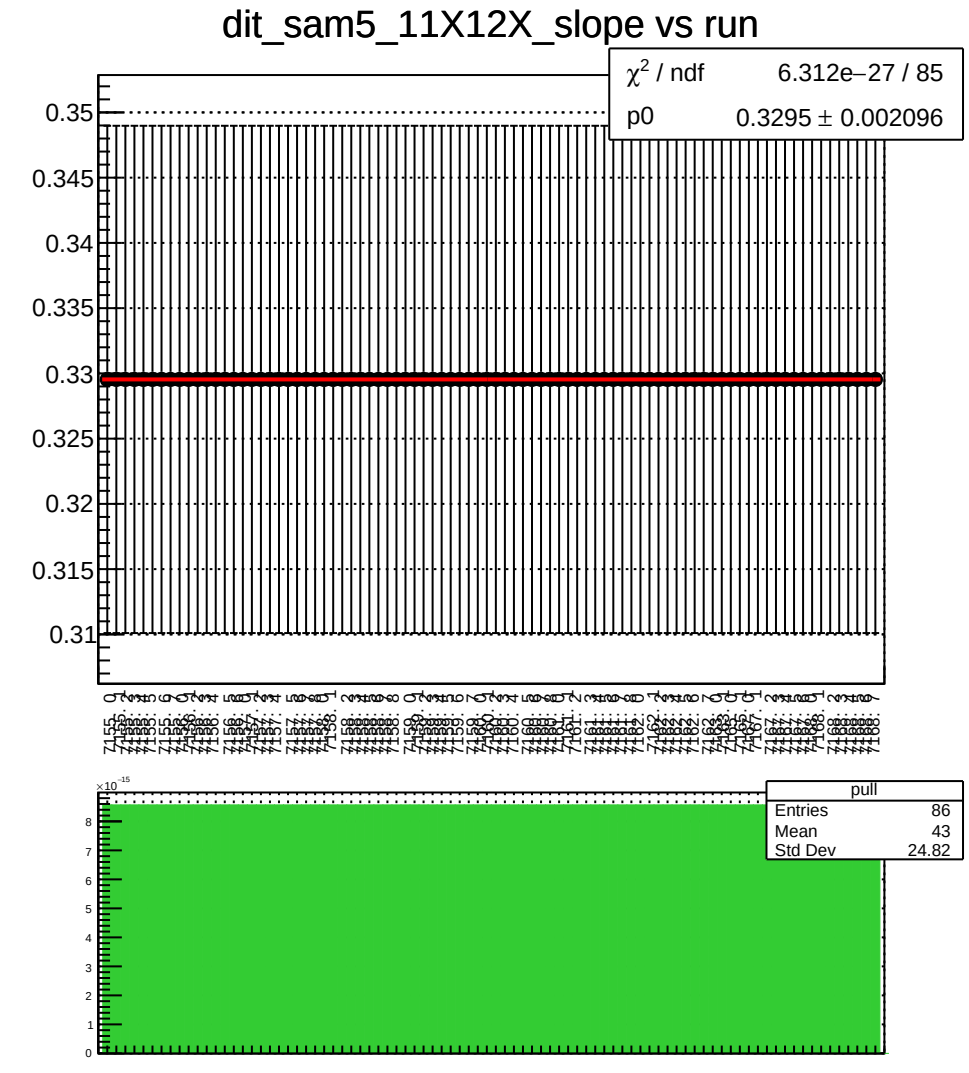

dit_sam4_11X12X_slope vs run
χ² / ndf 1.232e−26 / 85
p0 0.4362 ± 0.0105
0.55
0.5
0.45
0.4
0.35
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.197e−14
Std Dev 5.799e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

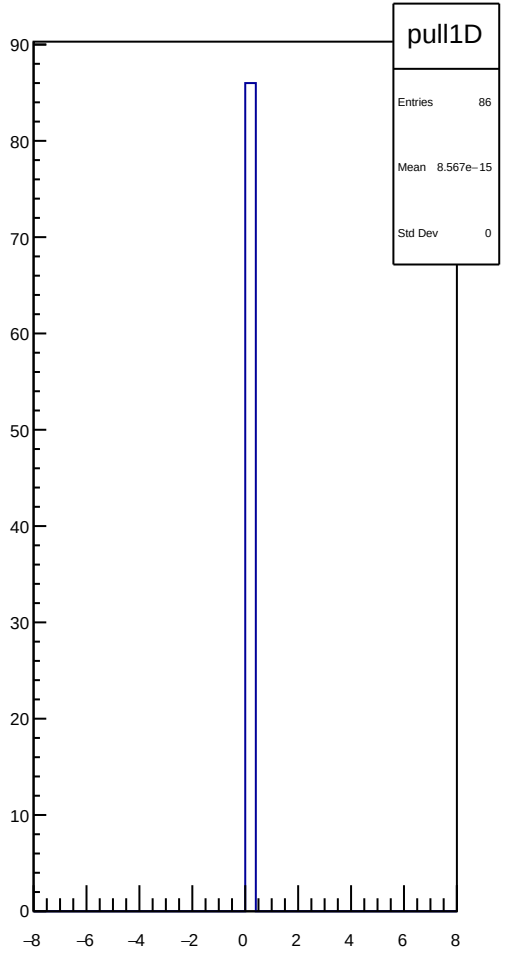

dit_sam4_4aY_slope vs run
χ² / ndf 4.138e−25 / 85
p0 −12.03 ± 0.03866
−11.7
−11.8
−11.9
−12
−12.1
−12.2
−12.3
−12.4
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 6.936e−14
Std Dev4.062e−21

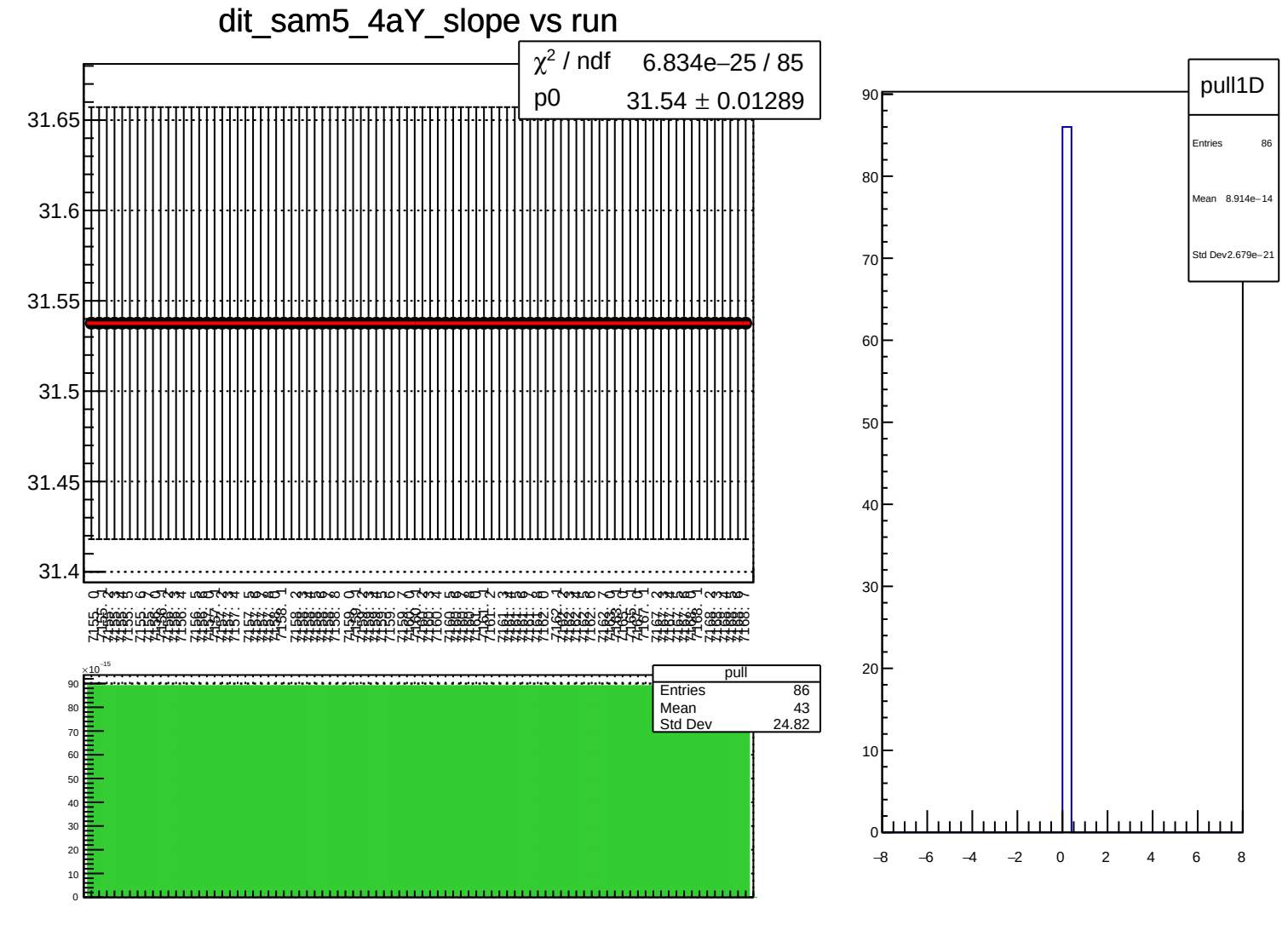

dit_sam4_4eY_slope vs run
χ² / ndf 1.047e−23 / 85
p0 223.7 ± 0.123
225
224.5
224
223.5
223
222.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 3.489e−13
Std Dev 1.66e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

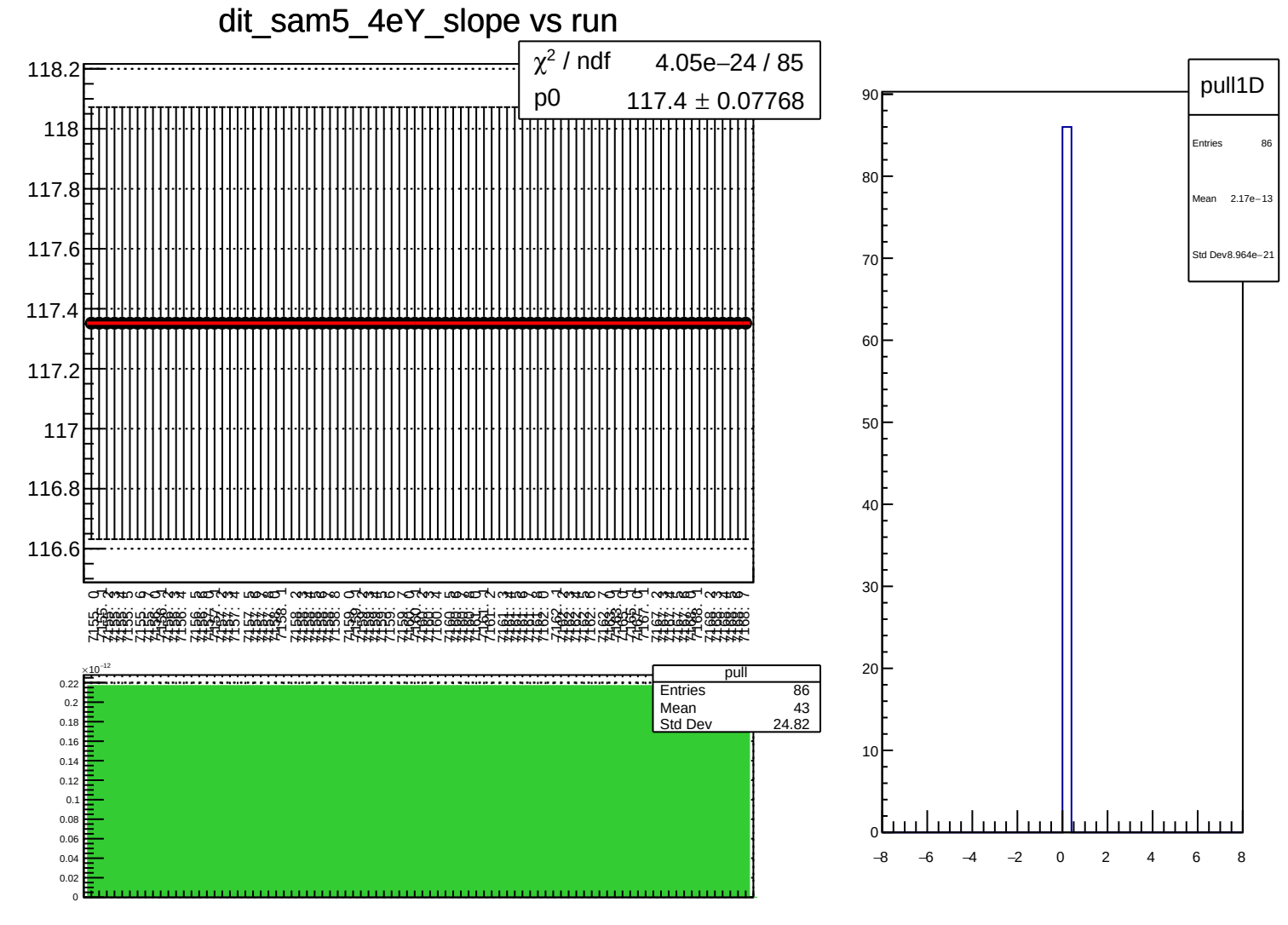

dit_sam5_4aX_slope vs run
χ² / ndf 4.679e−26 / 85
p0 5.665 ± 0.0657
6.2
6
5.8
5.6
5.4
5.2
5
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 2.333e−14
Std Dev 8.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

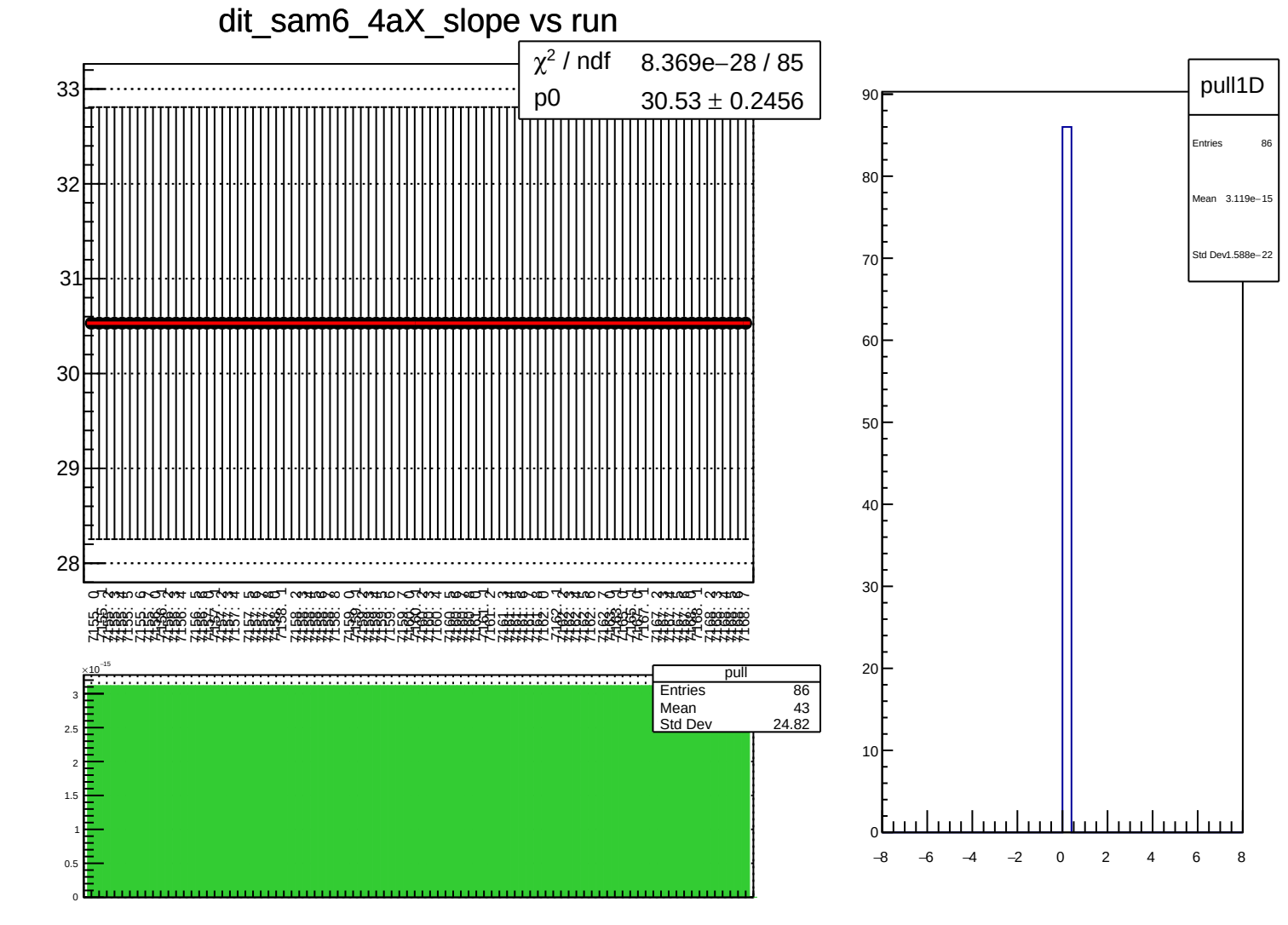

dit_sam5_4eX_slope vs run
χ² / ndf 1.285e−25 / 85
p0 −5.589 ± 0.05451
−5
−5.2
−5.4
−5.6
−5.8
−6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 86
Mean −3.865e−14
Std Dev1.746e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

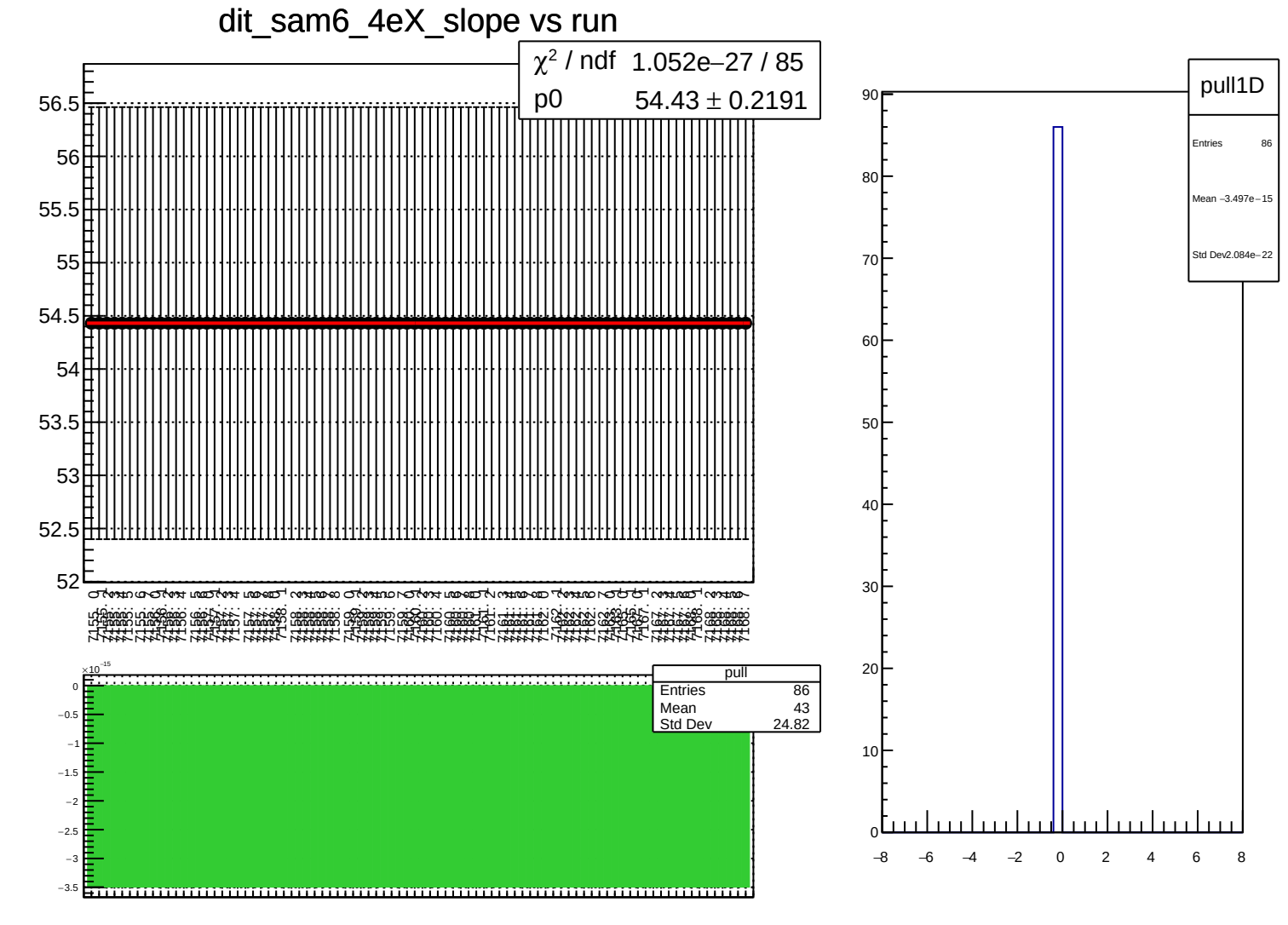

dit_sam5_11X12X_slope vs run
χ² / ndf 6.312e−27 / 85
p0 0.3295 ± 0.002096
0.35
0.345
0.34
0.335
0.33
0.325
0.32
0.315
0.31
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

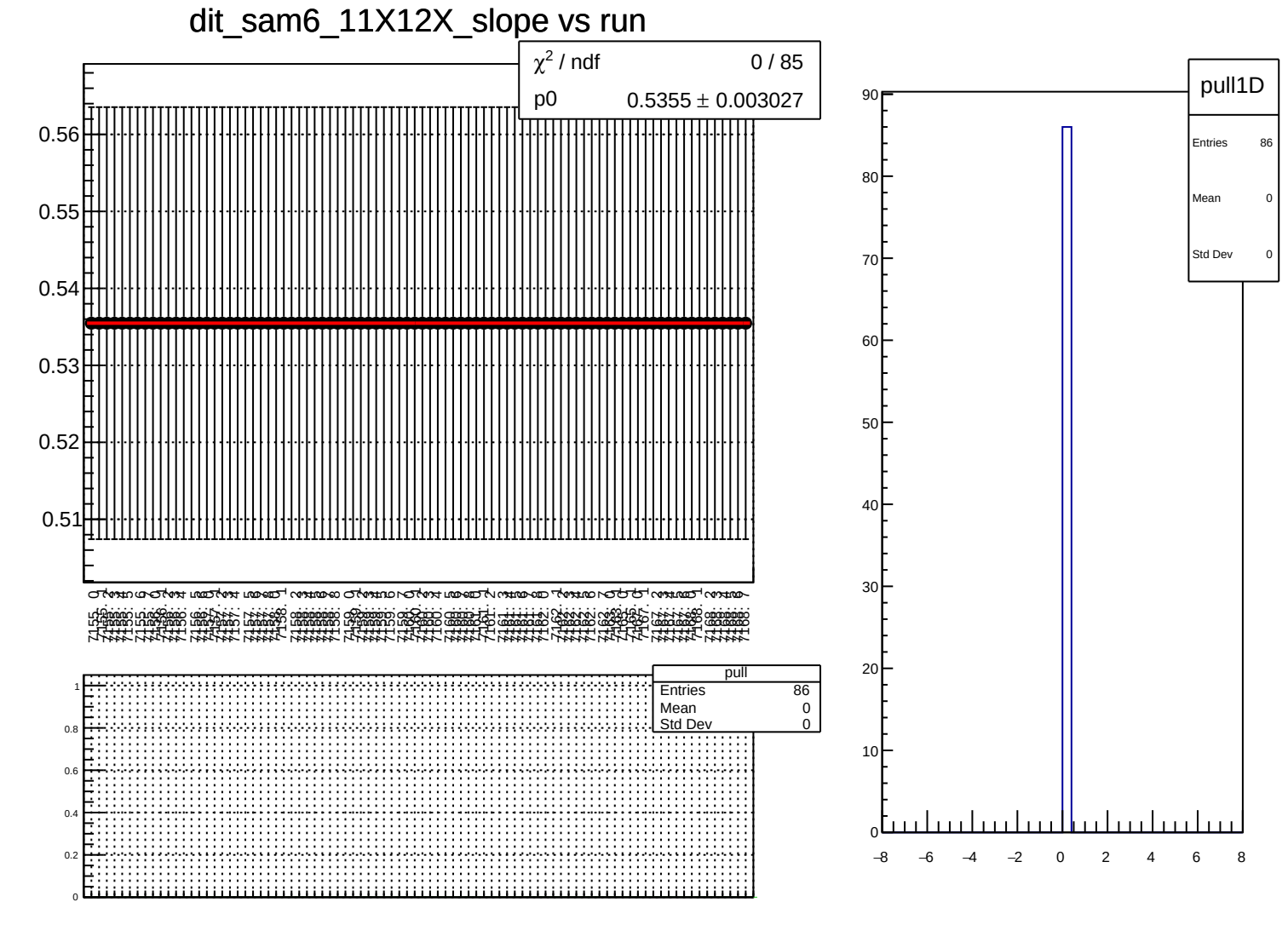

pull1D
Entries 86
Mean 8.567e−15
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

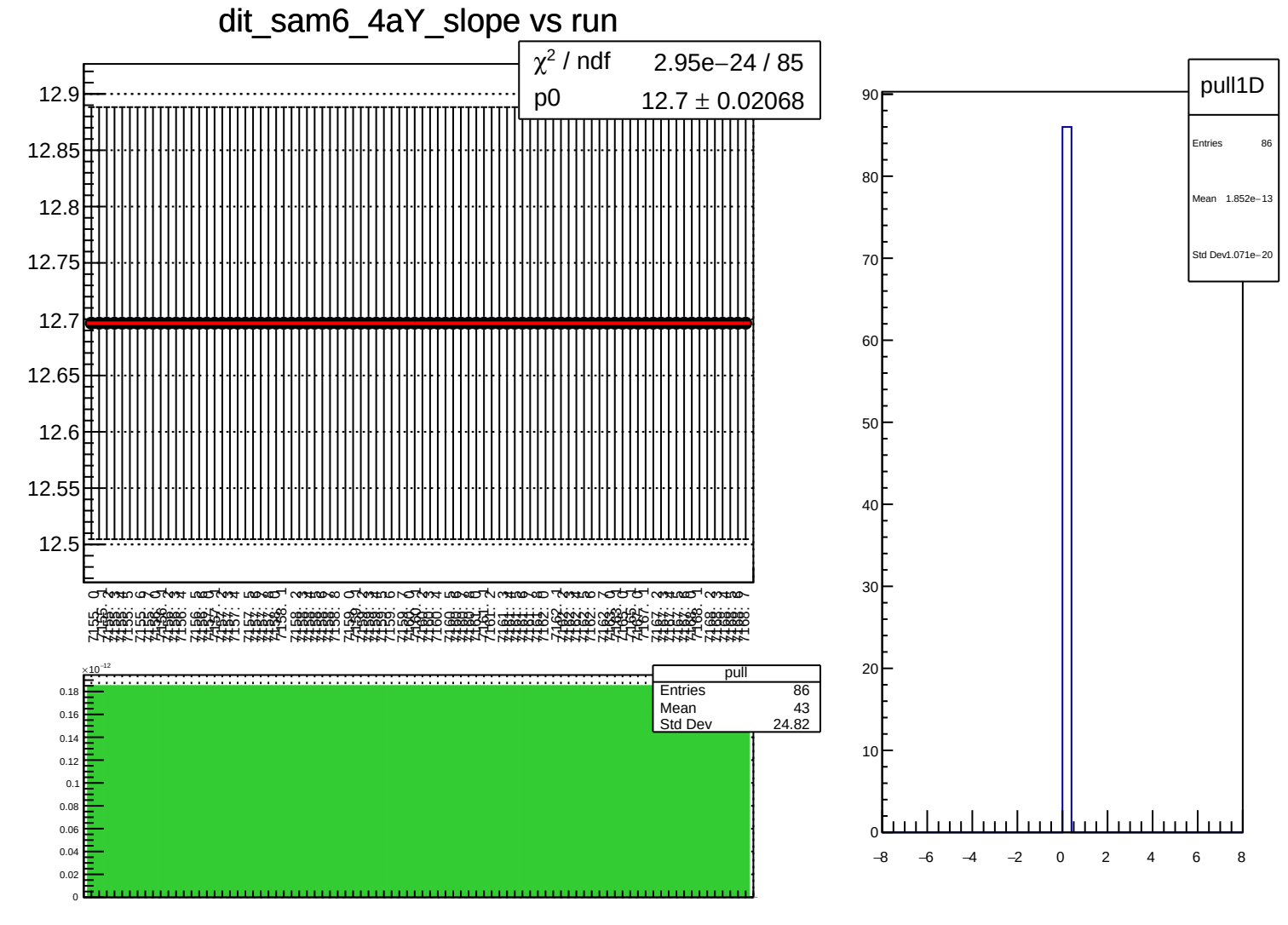

dit_sam5_4aY_slope vs run
χ² / ndf 6.834e−25 / 85
p0 31.54 ± 0.01289
31.65
31.6
31.55
31.5
31.45
31.4
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 8.914e−14
Std Dev2.679e−21

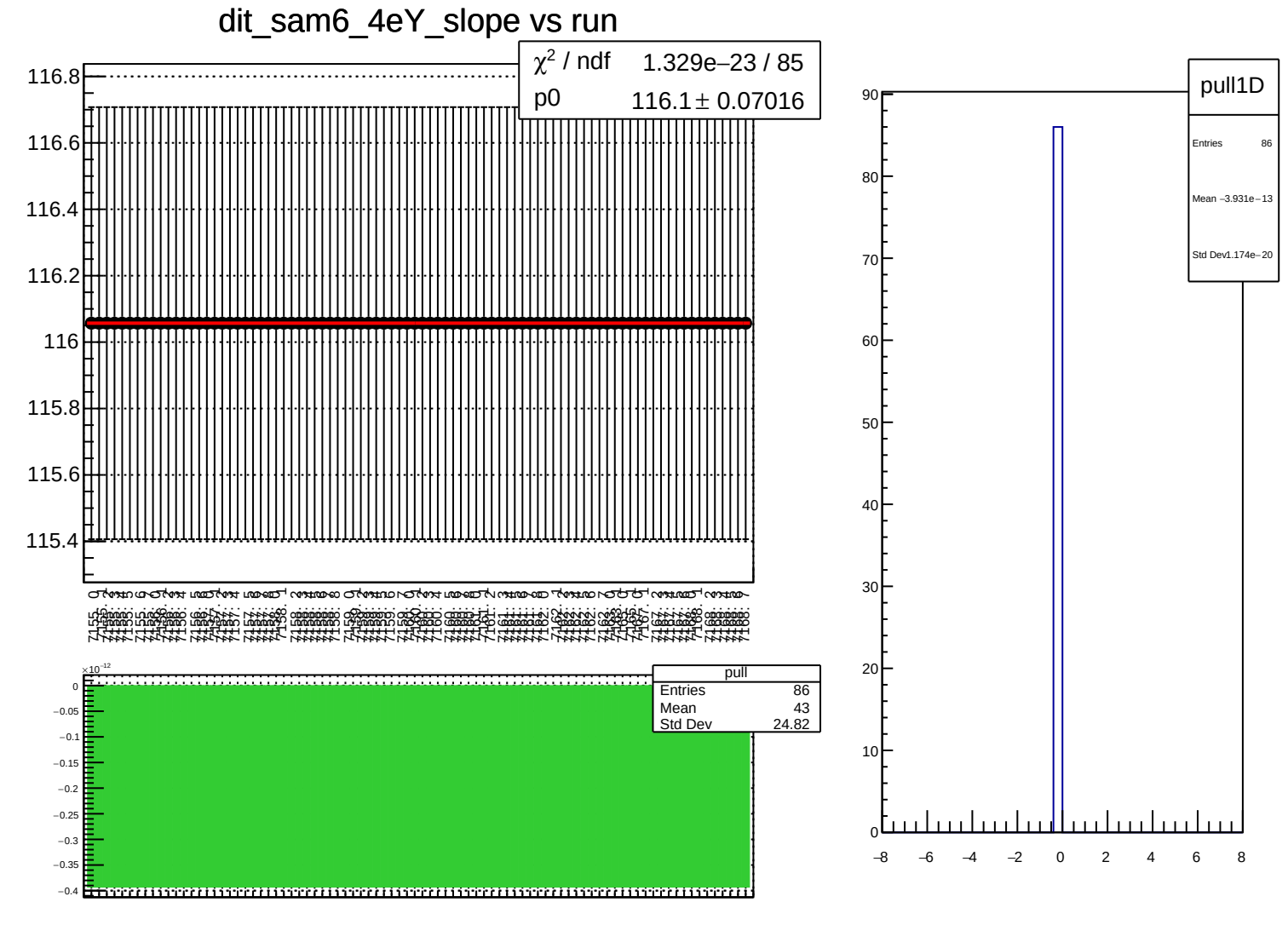

dit_sam5_4eY_slope vs run
χ² / ndf 4.05e−24 / 85
p0 117.4 ± 0.07768
118.2
118
117.8
117.6
117.4
117.2
117
116.8
116.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 2.17e−13
Std Dev 8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

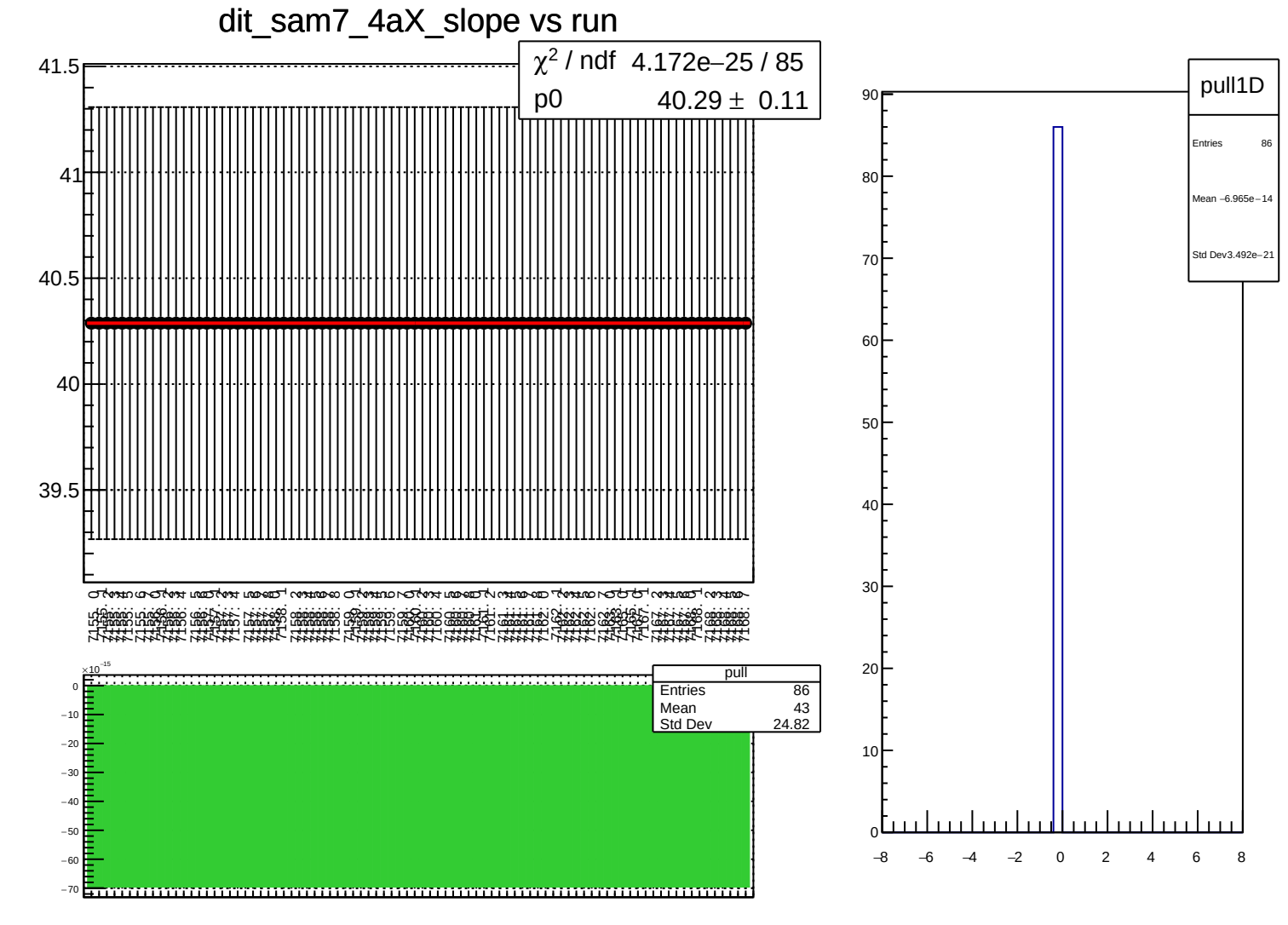

dit_sam6_4aX_slope vs run
χ² / ndf 8.369e−28 / 85
p0 30.53 ± 0.2456
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 3.119e−15
Std Dev1.588e−22

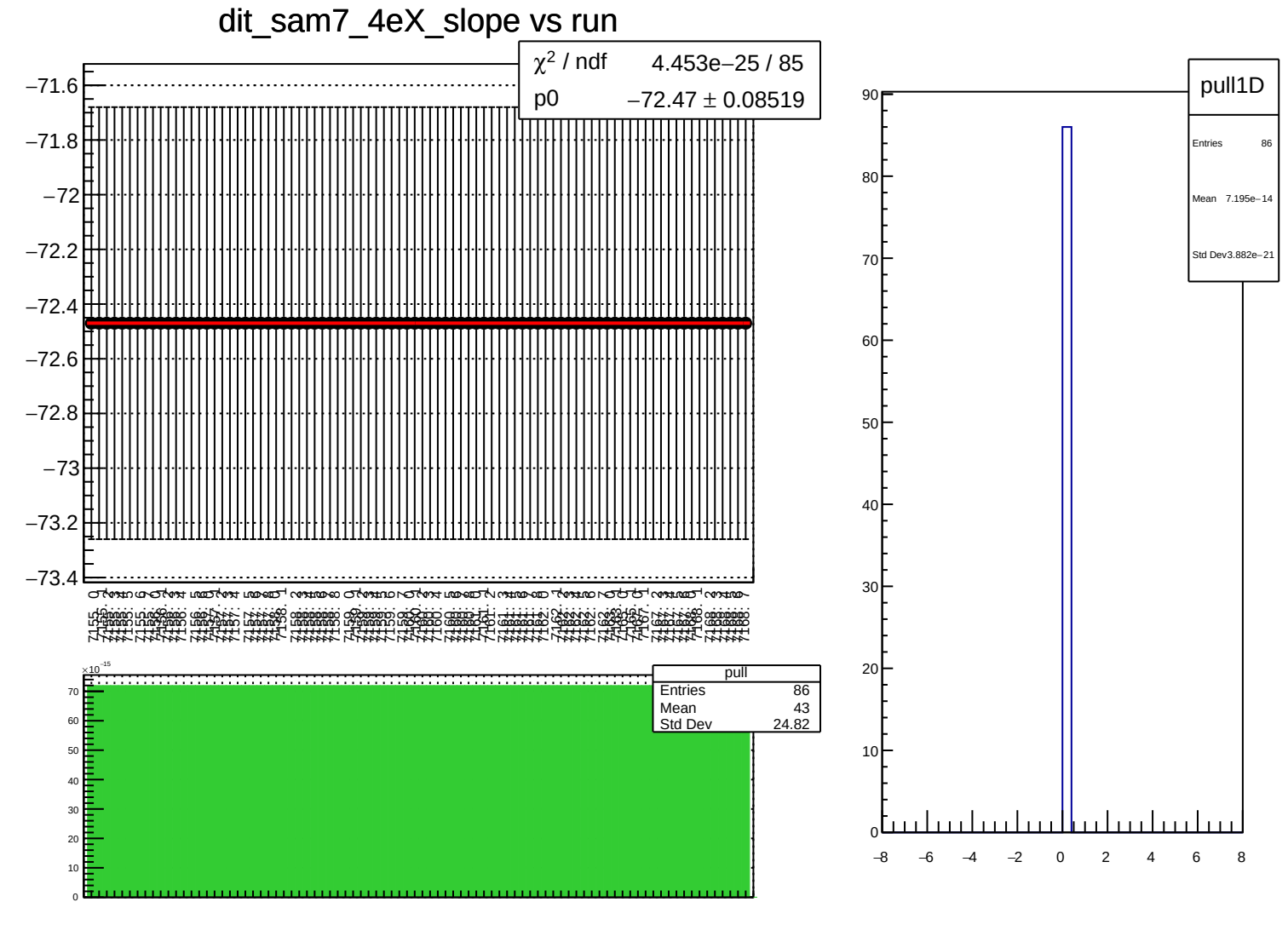

dit_sam6_4eX_slope vs run
χ² / ndf 1.052e−27 / 85
p0 54.43 ± 0.2191
56.5
56
55.5
55
54.5
54
53.5
53
52.5
52
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 86
Mean −3.497e−15
Std Dev2.084e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

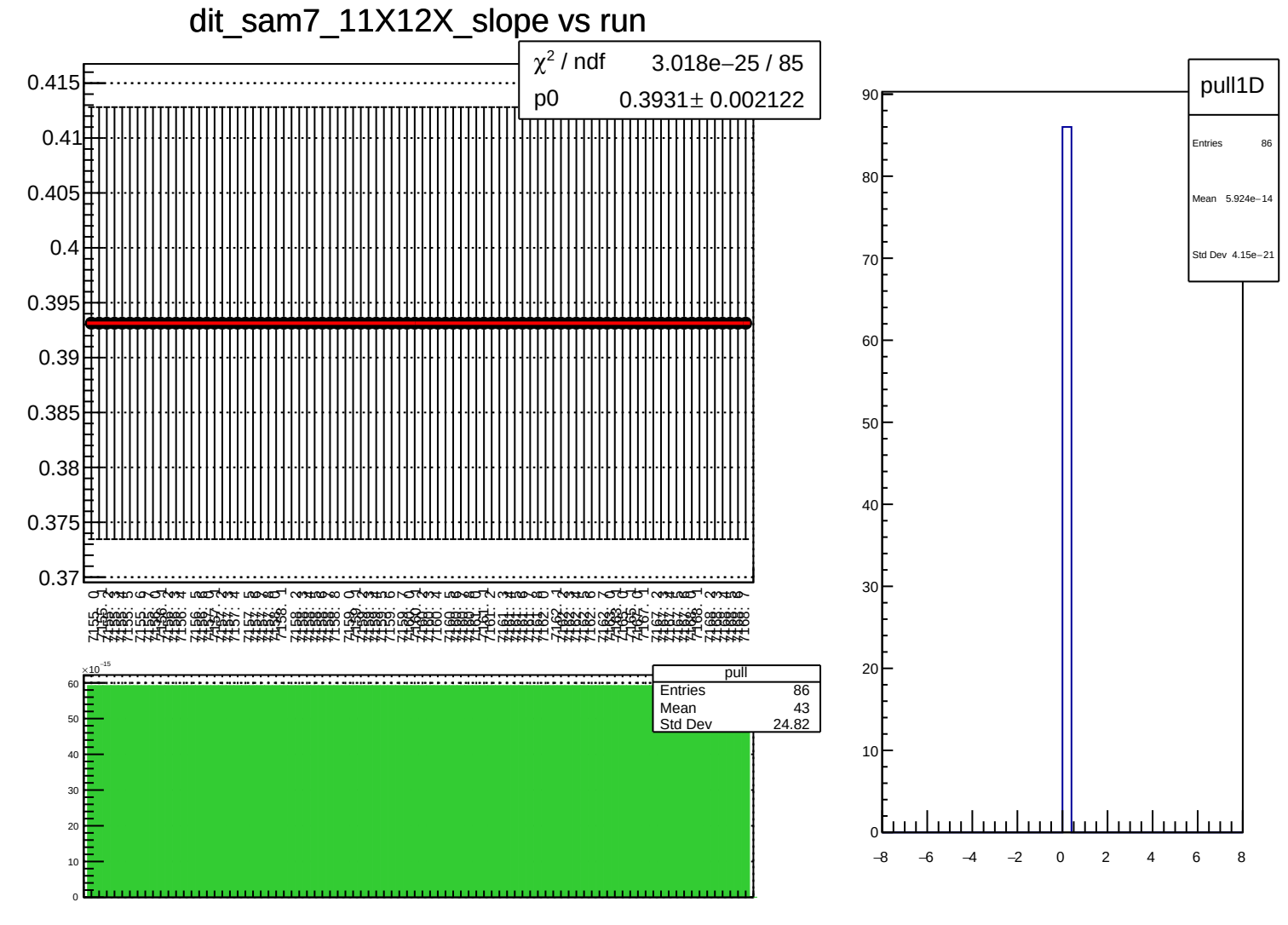

dit_sam6_11X12X_slope vs run
χ² / ndf 0 / 85
p0 0.5355 ± 0.003027
0.56
0.55
0.54
0.53
0.52
0.51
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

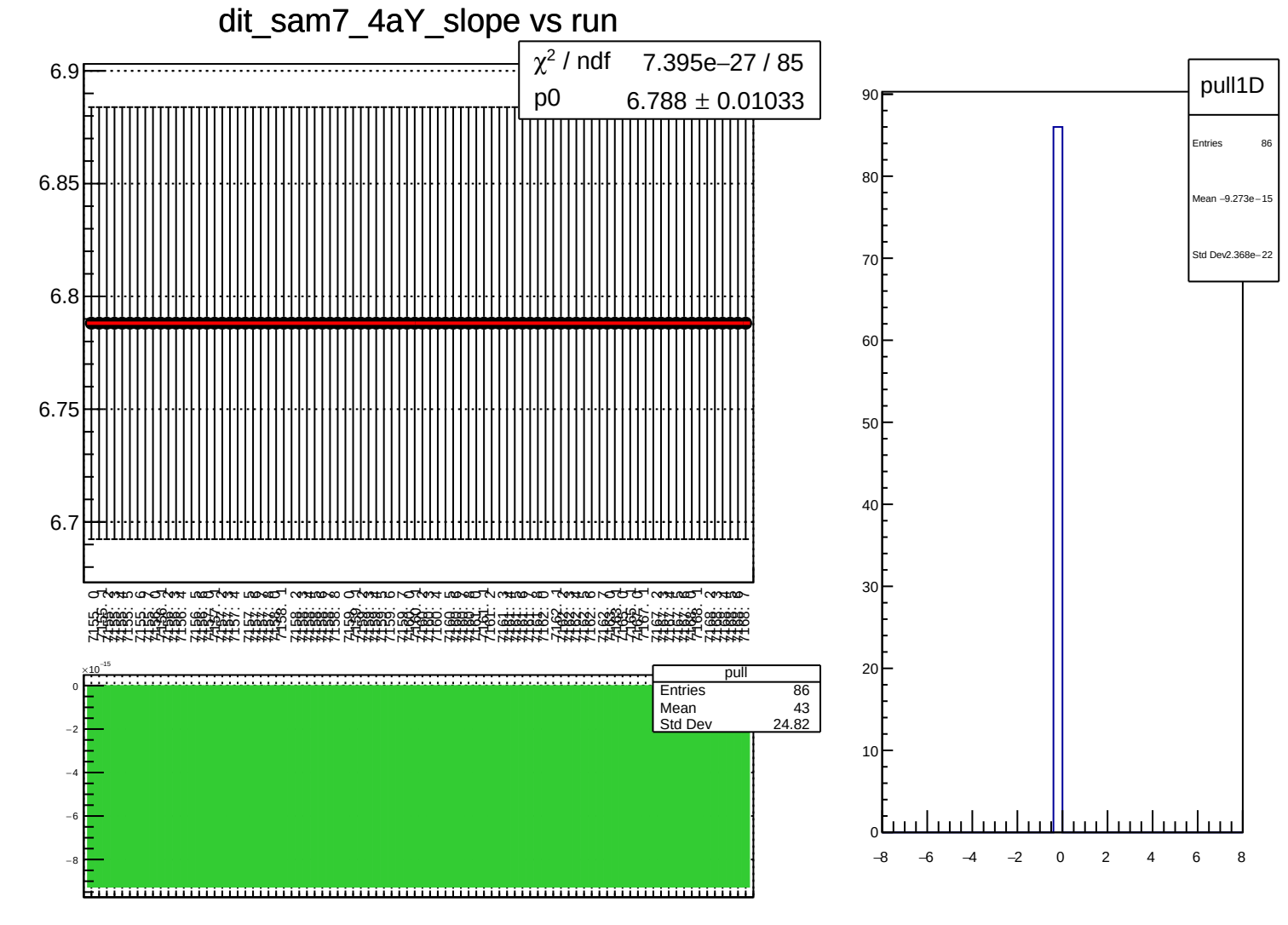

dit_sam6_4aY_slope vs run
χ² / ndf 2.95e−24 / 85
p0 12.7 ± 0.02068
12.9
12.85
12.8
12.75
12.7
12.65
12.6
12.55
12.5
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.852e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

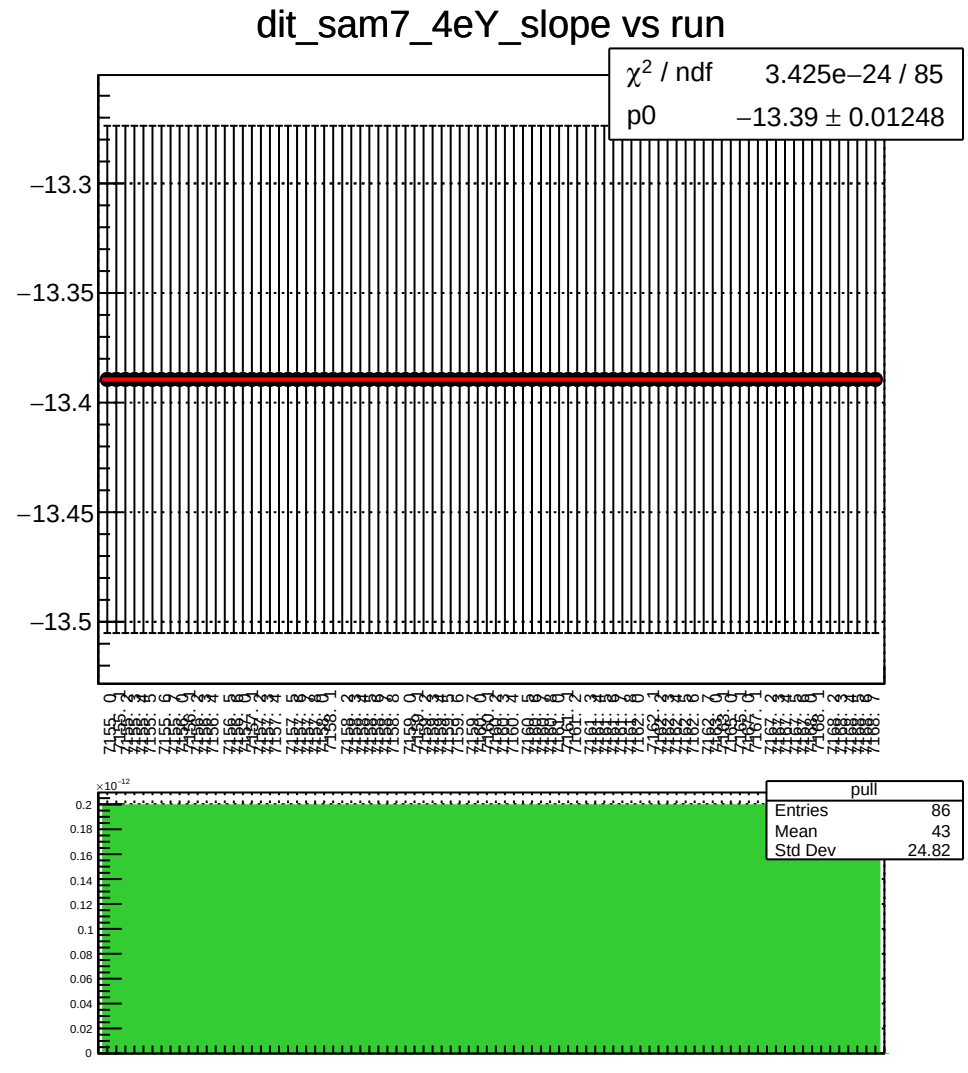

dit_sam6_4eY_slope vs run
χ^2 / ndf 1.329e−23 / 85
p0 116.1 ± 0.07016
116.8
116.6
116.4
116.2
116
115.8
115.6
115.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 86
Mean −3.931e−13
Std Dev1.174e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

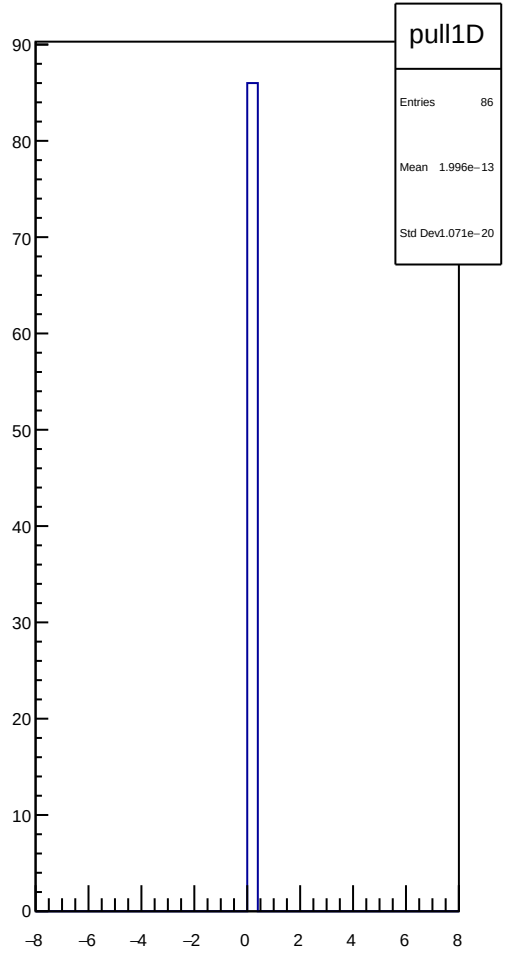

dit_sam7_4aX_slope vs run
χ² / ndf 4.172e−25 / 85
p0 40.29 ± 0.11
41.5
41
40.5
40
39.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 86
Mean −6.965e−14
Std Dev3.492e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

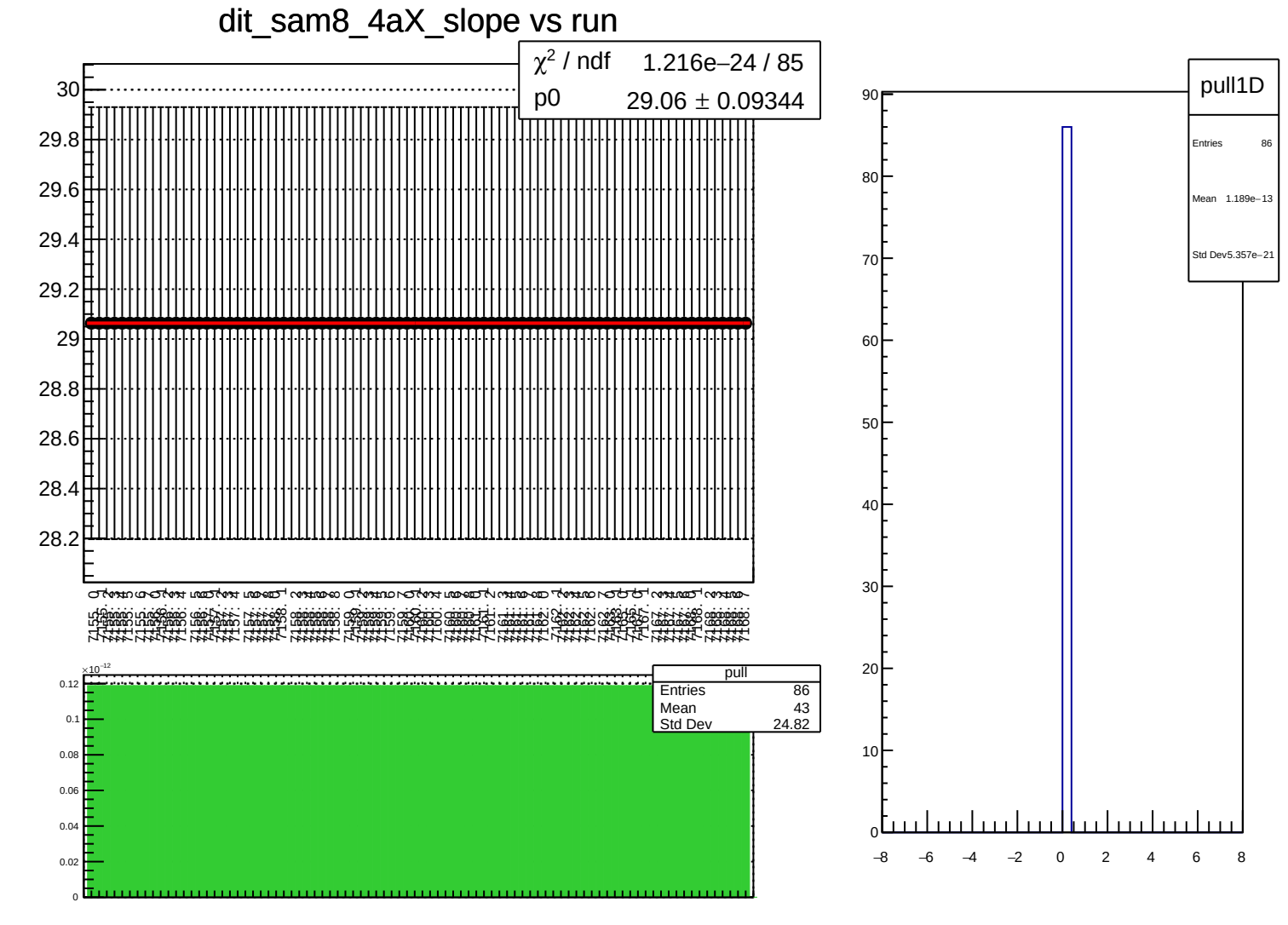

dit_sam7_4eX_slope vs run
χ² / ndf 4.453e−25 / 85
p0 −72.47 ± 0.08519
−71.6
−71.8
−72
−72.2
−72.4
−72.6
−72.8
−73
−73.2
−73.4
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 7.195e−14
Std Dev3.882e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

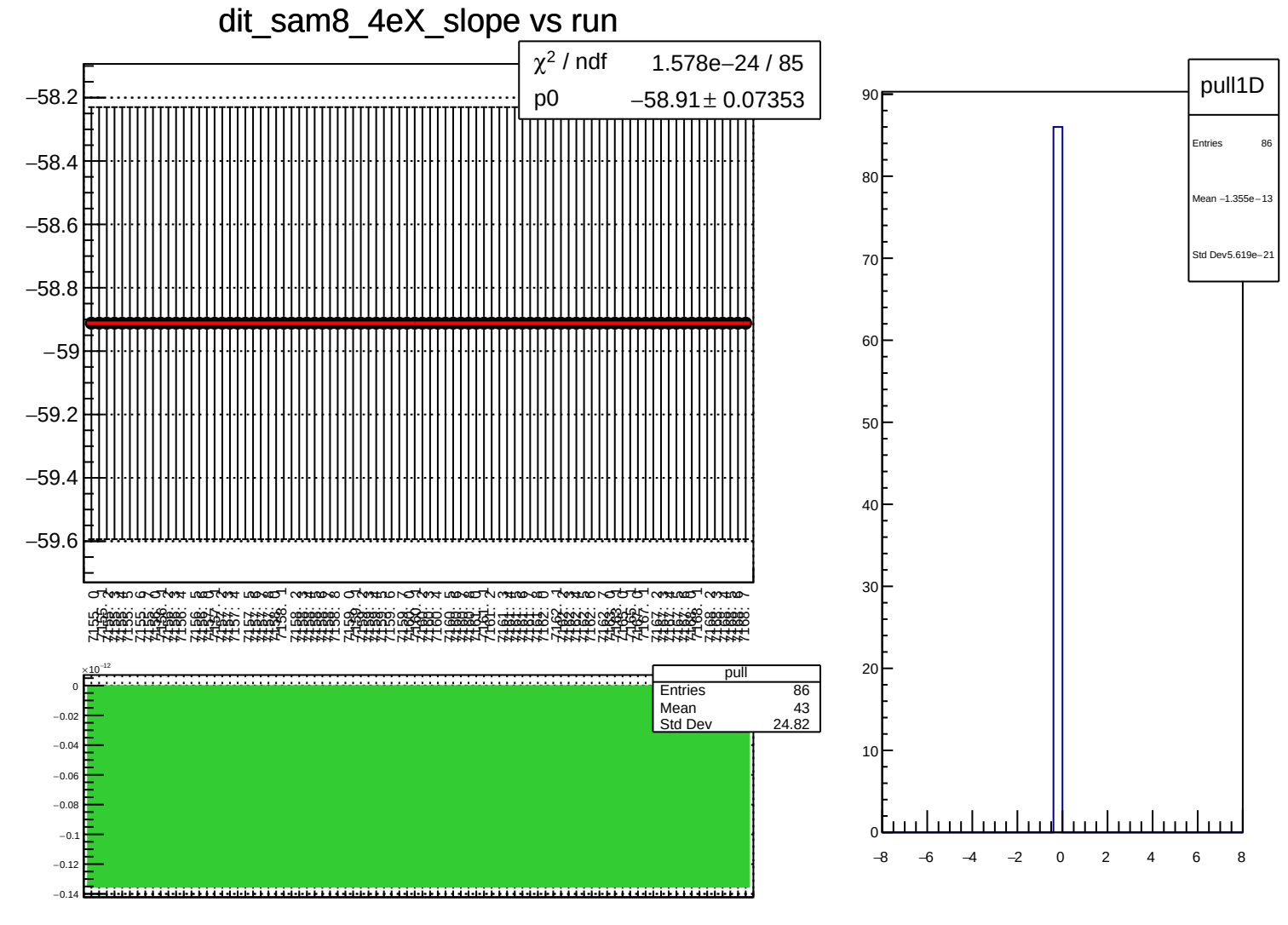

dit_sam7_11X12X_slope vs run
χ² / ndf 3.018e−25 / 85
p0 0.3931 ± 0.002122
0.415
0.41
0.405
0.4
0.395
0.39
0.385
0.38
0.375
0.37
×10⁻¹⁵
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 5.924e−14
Std Dev 4.15e−21

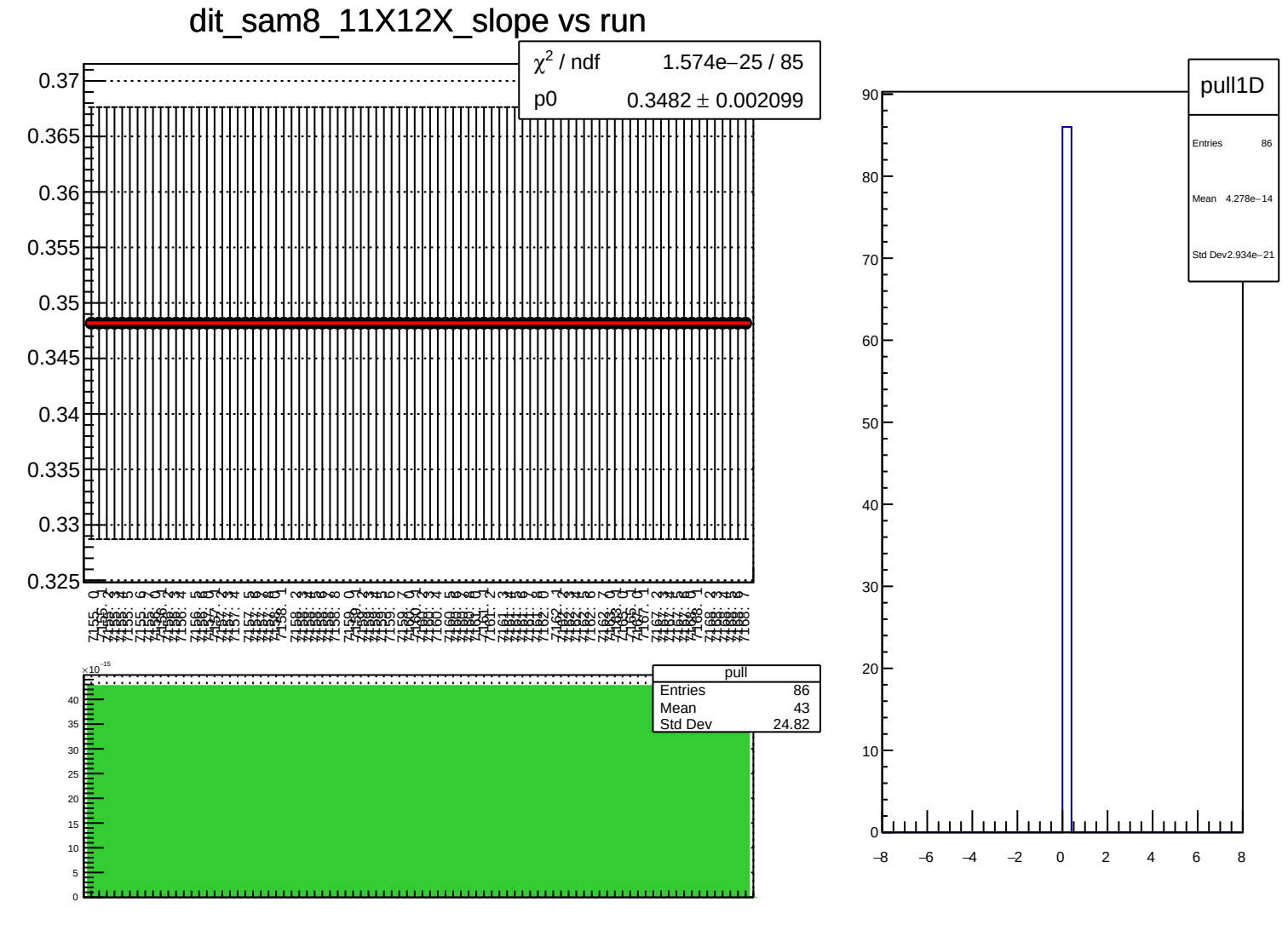

dit_sam7_4aY_slope vs run
χ² / ndf 7.395e−27 / 85
p0 6.788 ± 0.01033
6.9
6.85
6.8
6.75
6.7
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−2
−4
−6
−8
pull1D
Entries 86
Mean −9.273e−15
Std Dev 2.368e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

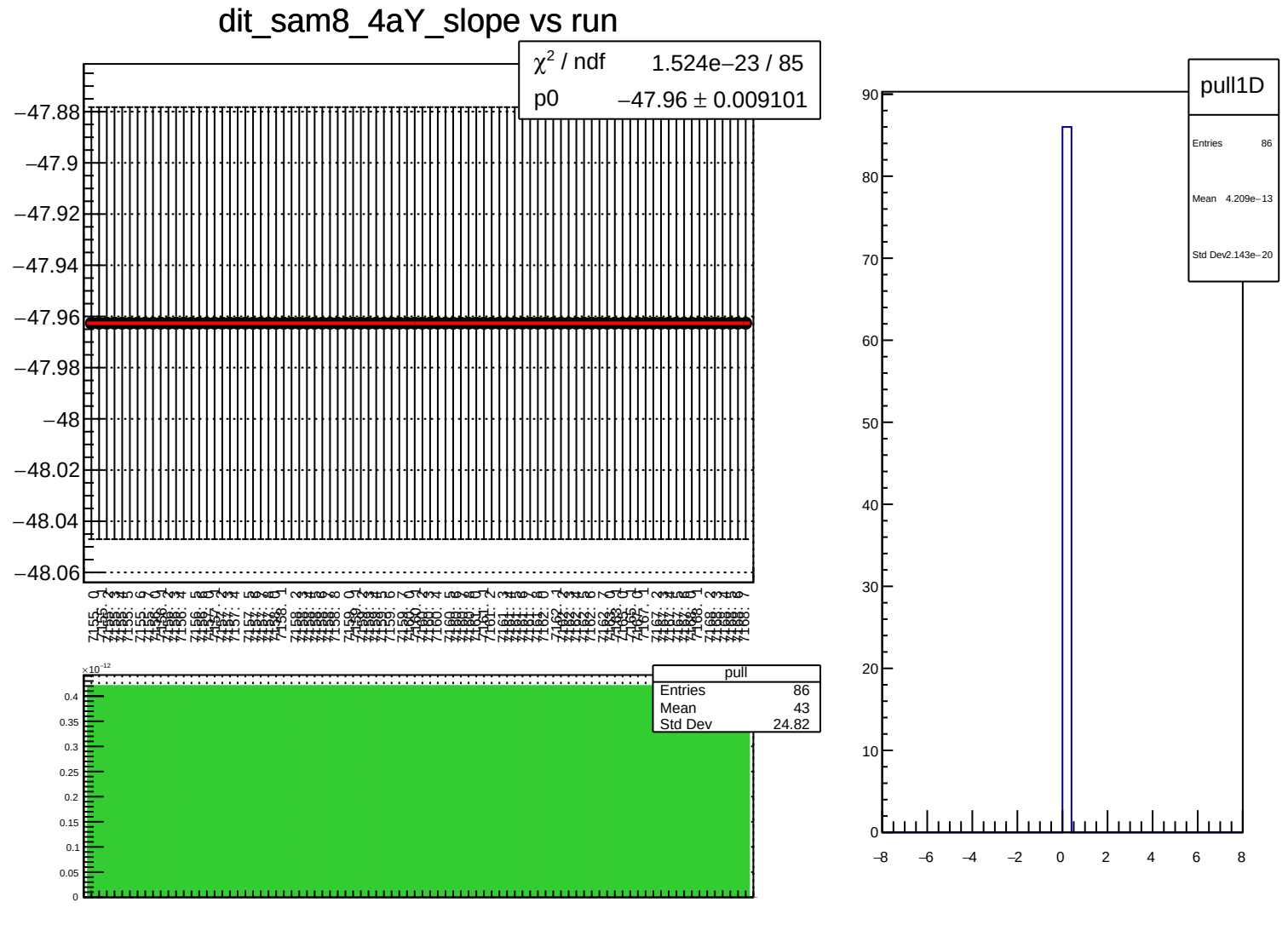

dit_sam7_4eY_slope vs run
χ² / ndf 3.425e−24 / 85
p0 −13.39 ± 0.01248
−13.3
−13.35
−13.4
−13.45
−13.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

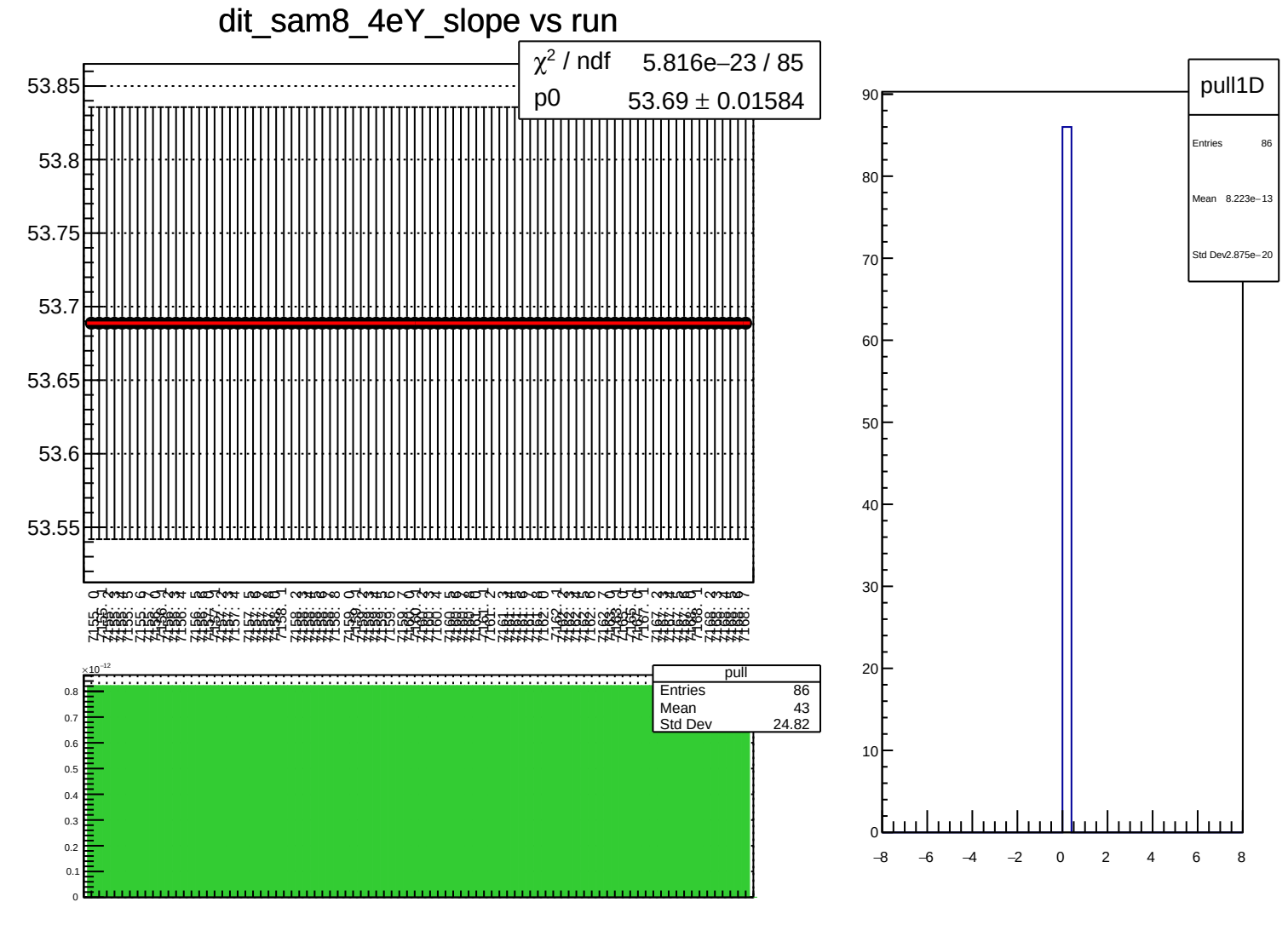

pull1D
Entries 86
Mean 1.996e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

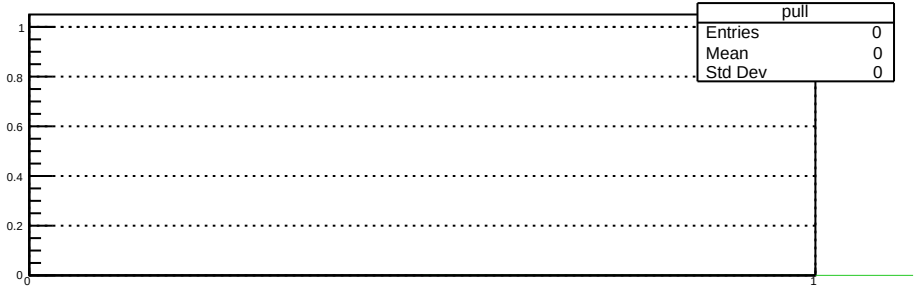

dit_sam8_4aX_slope vs run
χ^2 / ndf 1.216e−24 / 85
p0 29.06 ± 0.09344
30
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
28.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.189e−13
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

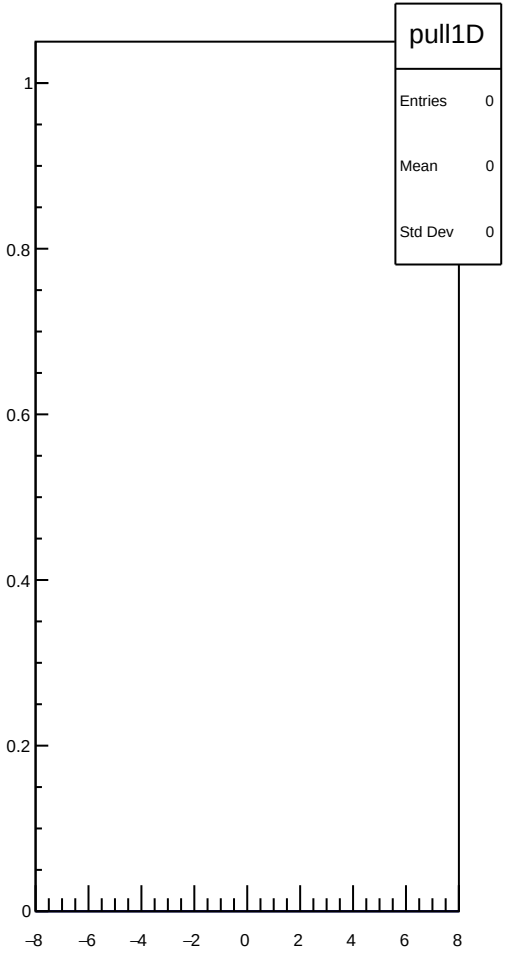

dit_sam8_4eX_slope vs run
χ² / ndf 1.578e−24 / 85
p0 −58.91 ± 0.07353
−58.2
−58.4
−58.6
−58.8
−59
−59.2
−59.4
−59.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 86
Mean −1.355e−13
Std Dev5.619e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

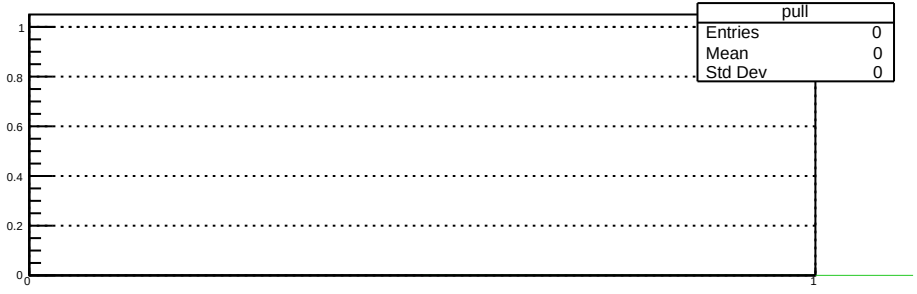

dit_sam8_11X12X_slope vs run
χ² / ndf 1.574e−25 / 85
p0 0.3482 ± 0.002099
0.37
0.365
0.36
0.355
0.35
0.345
0.34
0.335
0.33
0.325
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 86
Mean 4.278e−14
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

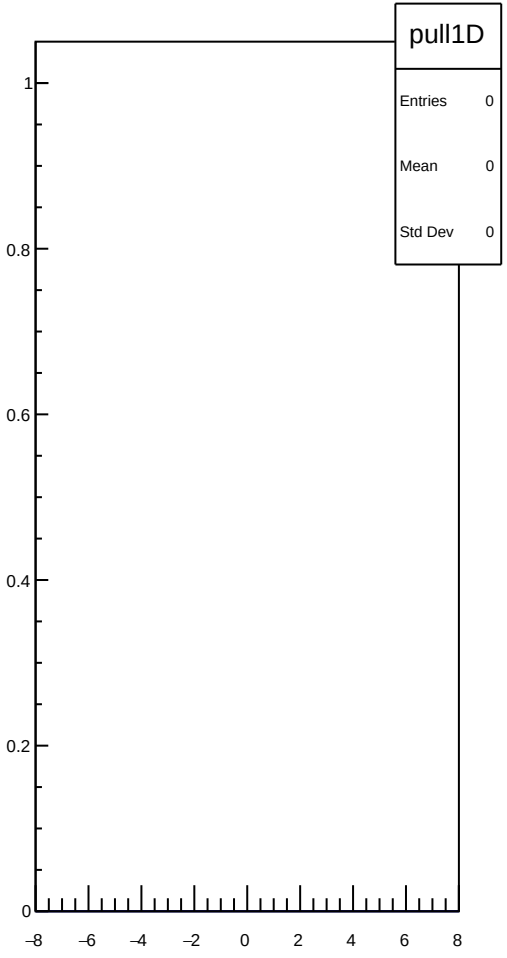

dit_sam8_4aY_slope vs run
χ² / ndf 1.524e−23 / 85
p0 −47.96 ± 0.009101
−47.88
−47.9
−47.92
−47.94
−47.96
−47.98
−48
−48.02
−48.04
−48.06
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 4.209e−13
Std Dev 2.143e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

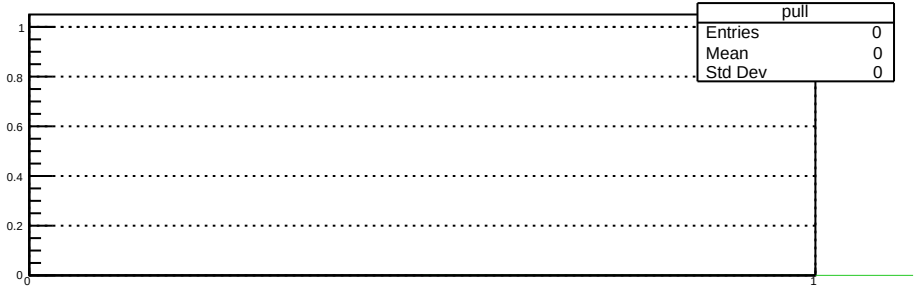

dit_sam8_4eY_slope vs run
χ² / ndf 5.816e−23 / 85
p0 53.69 ± 0.01584
53.85
53.8
53.75
53.7
53.65
53.6
53.55
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 86
Mean 8.223e−13
Std Dev 2.875e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

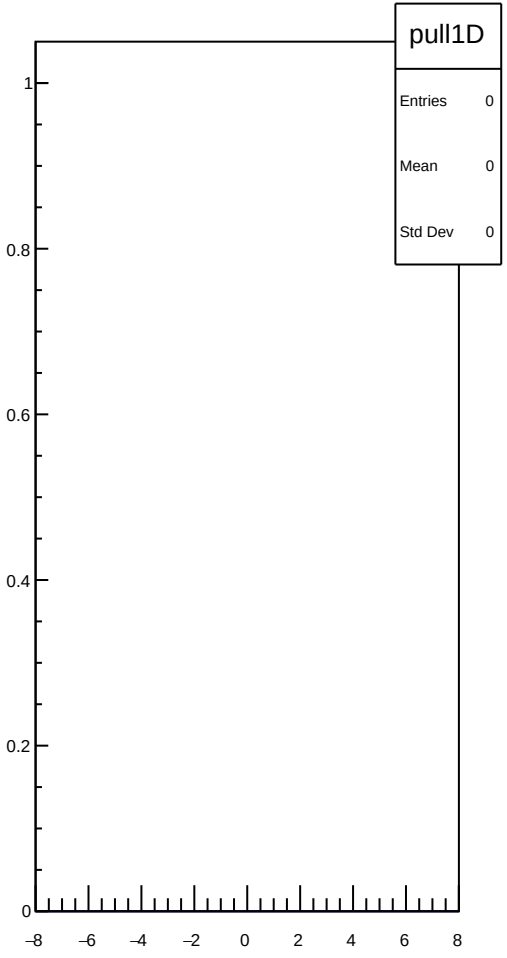

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

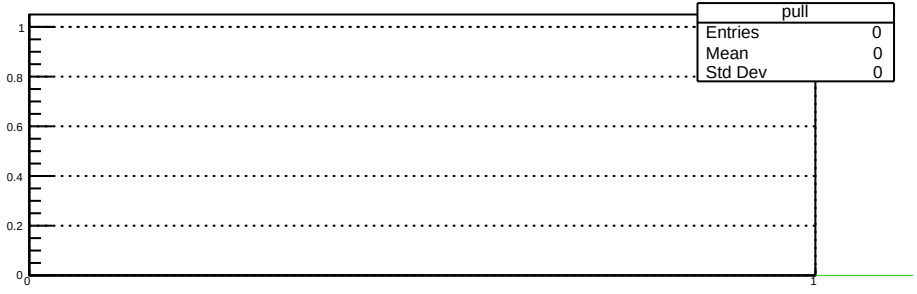

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

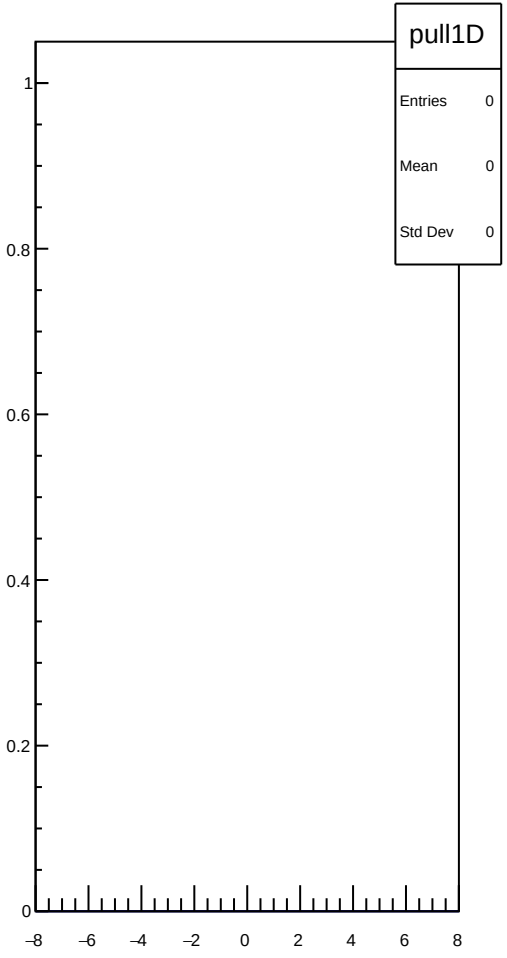

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

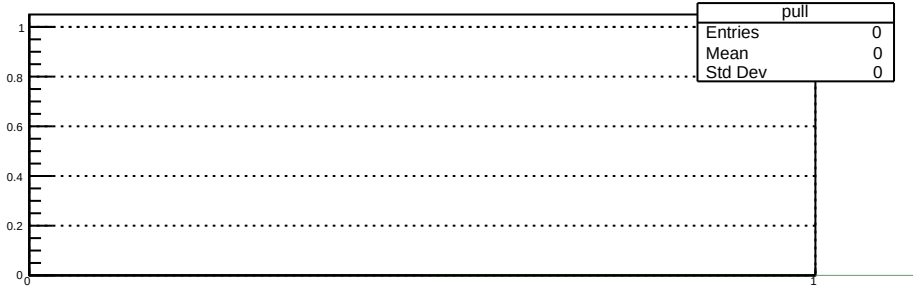

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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–4
–2
0
2
4
6
8

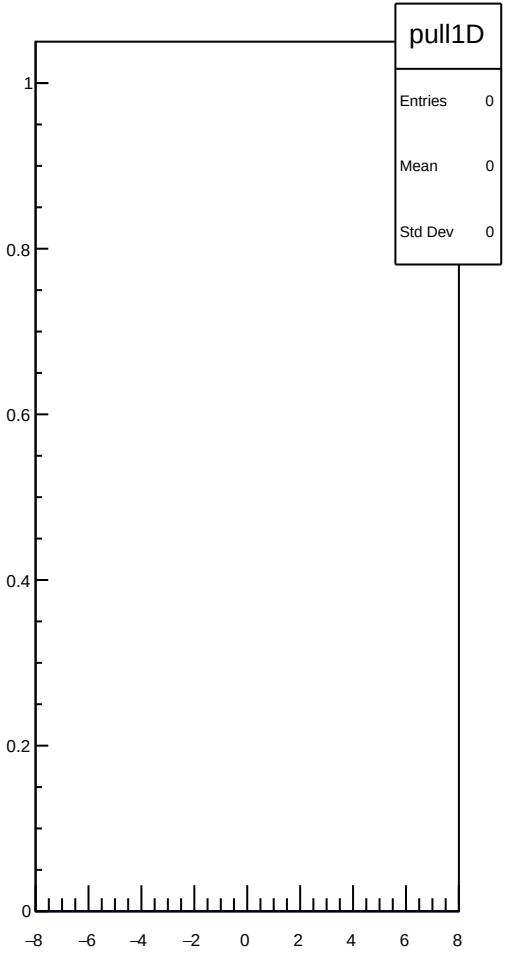

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

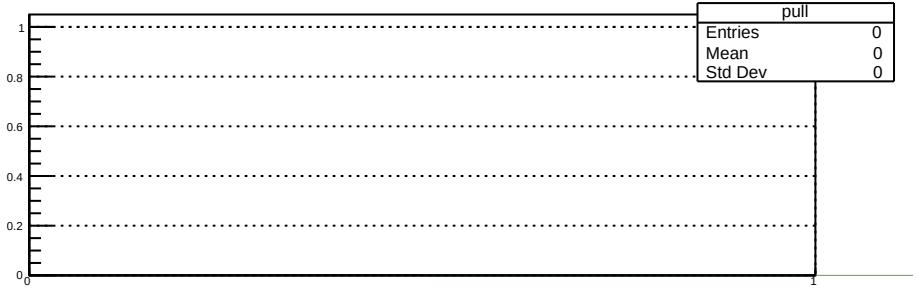

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

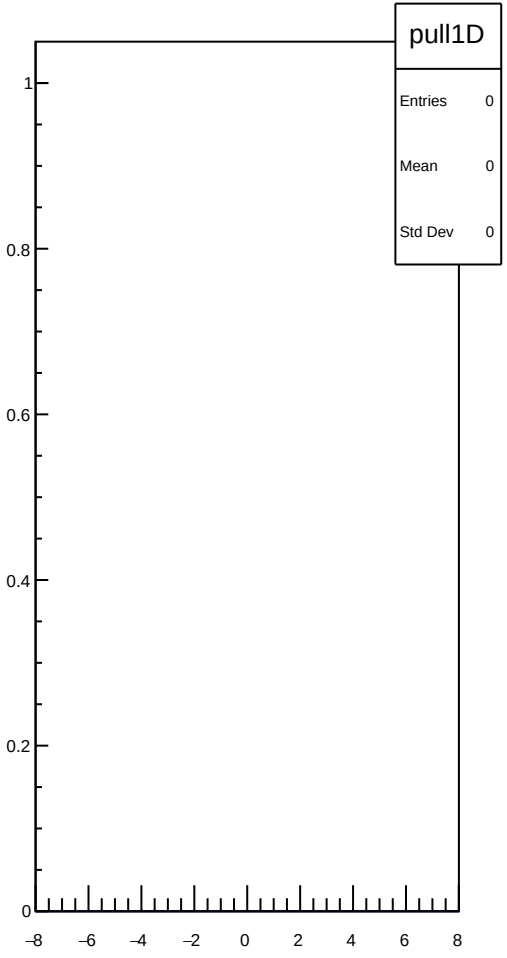

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

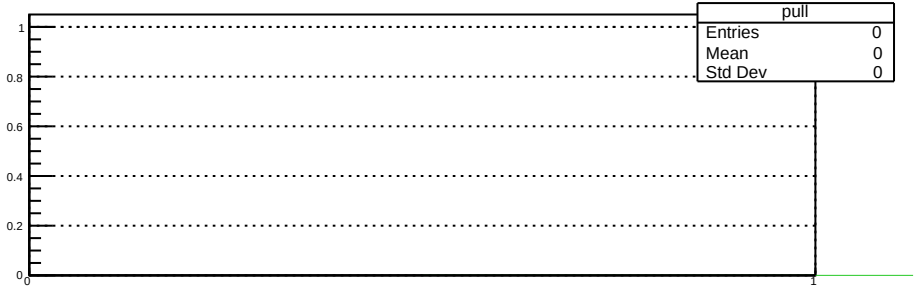

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
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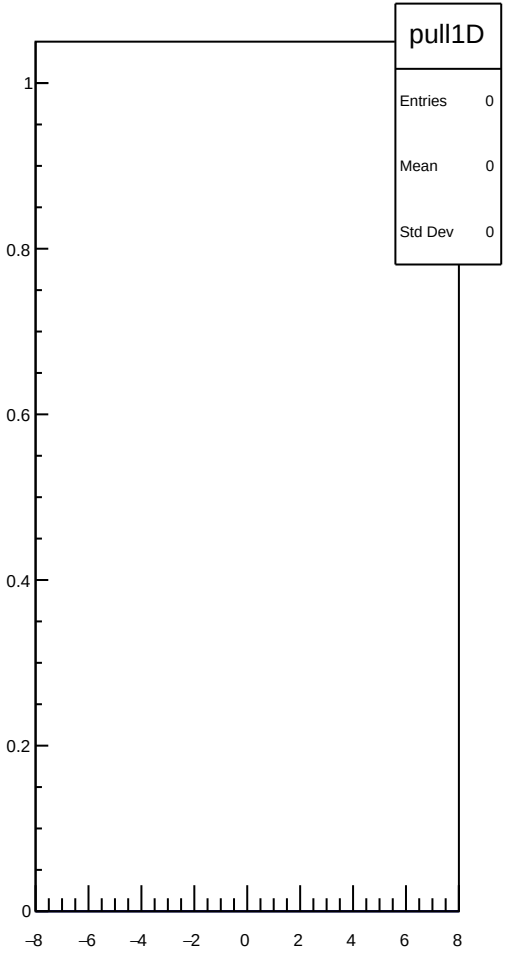

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

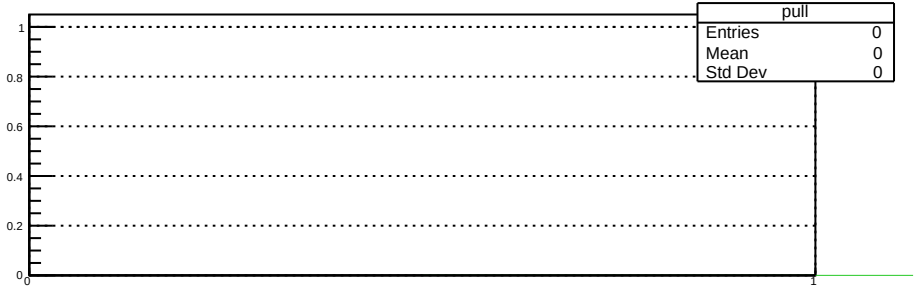

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

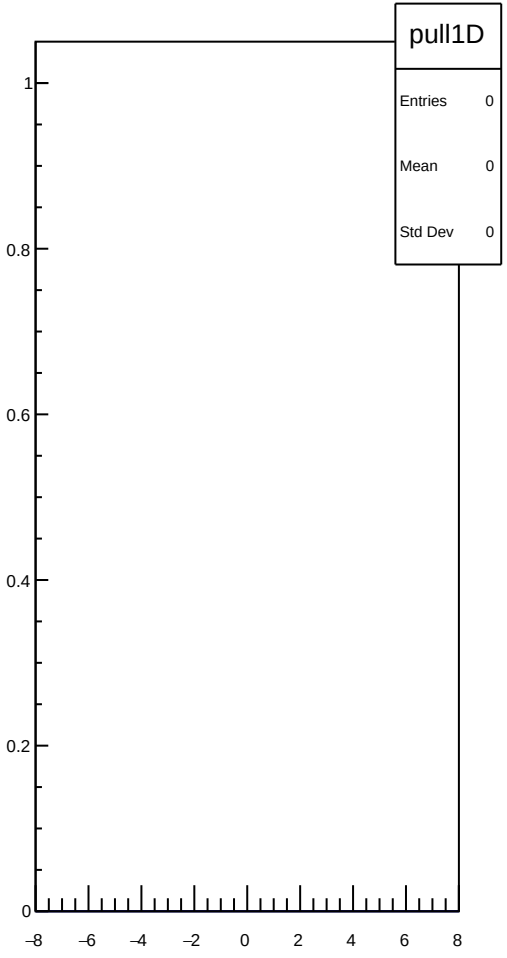

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

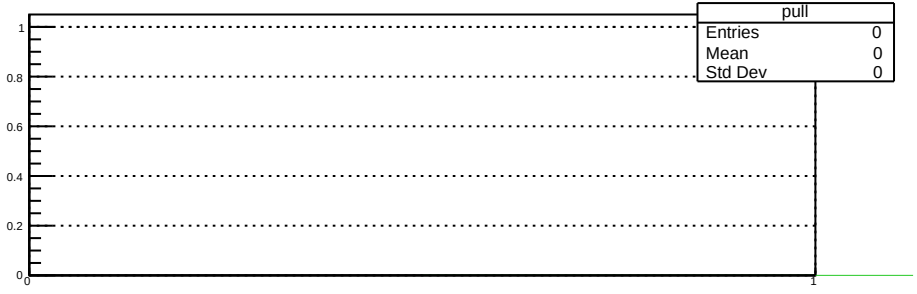

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

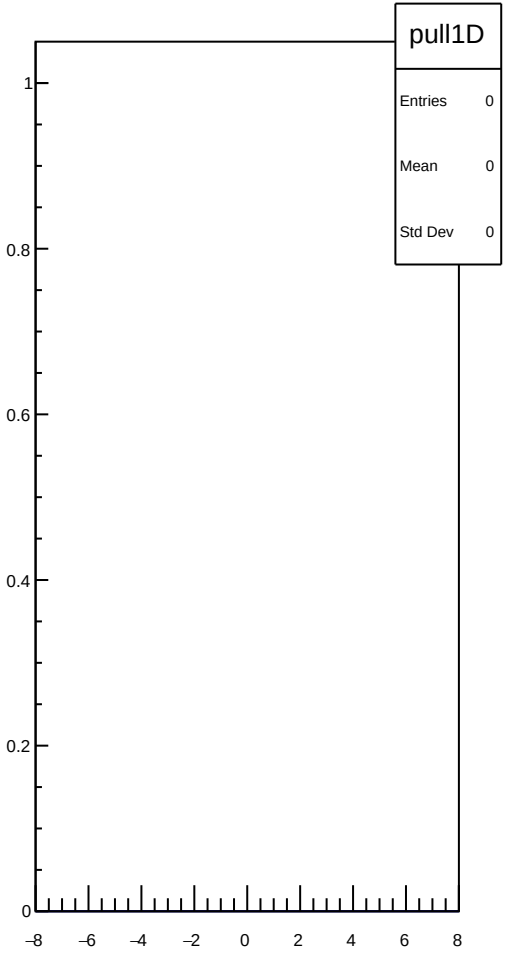

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

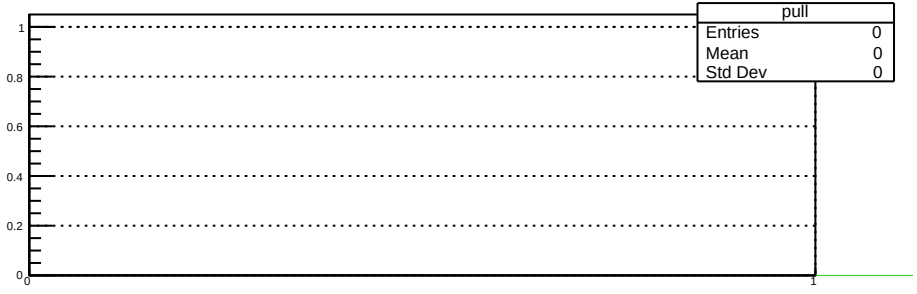

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

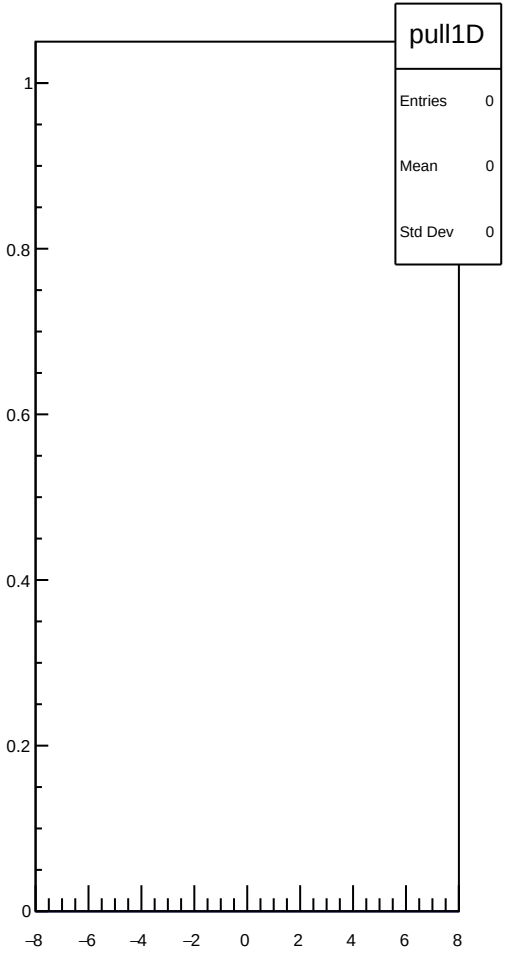

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

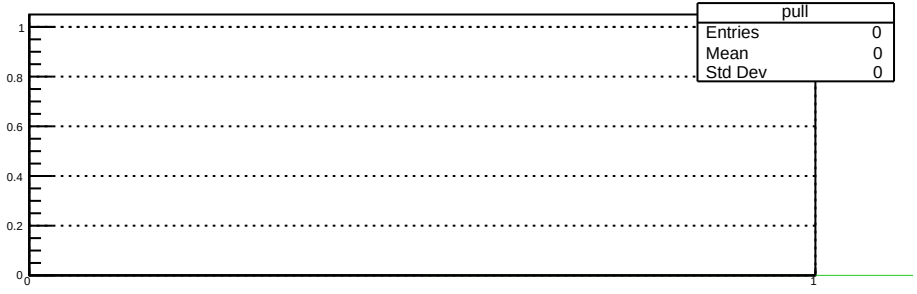

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

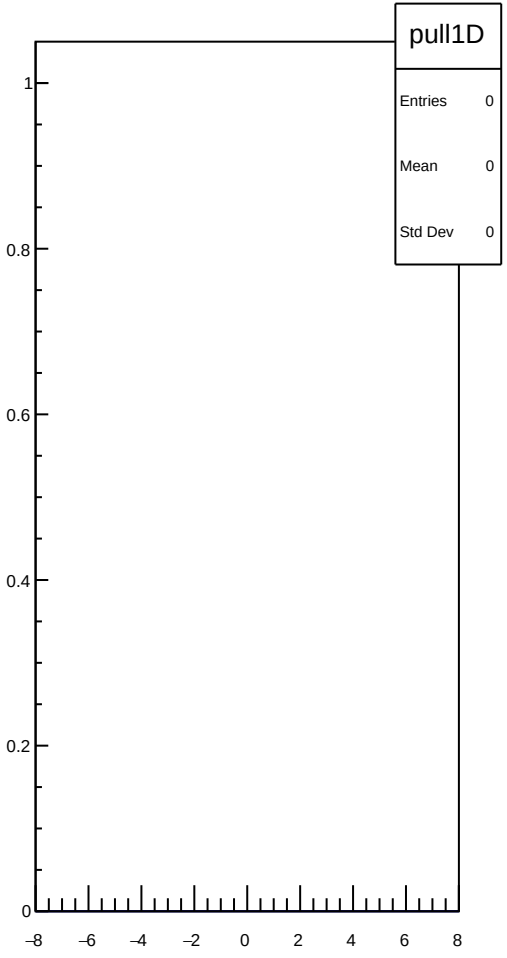

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

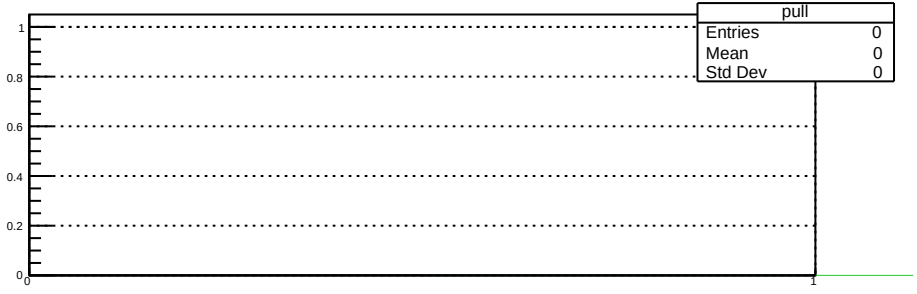

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
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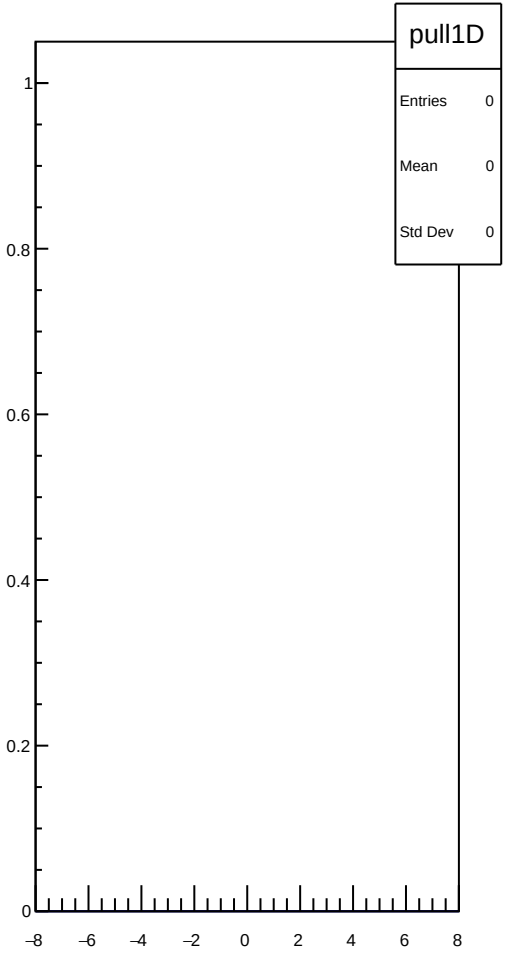

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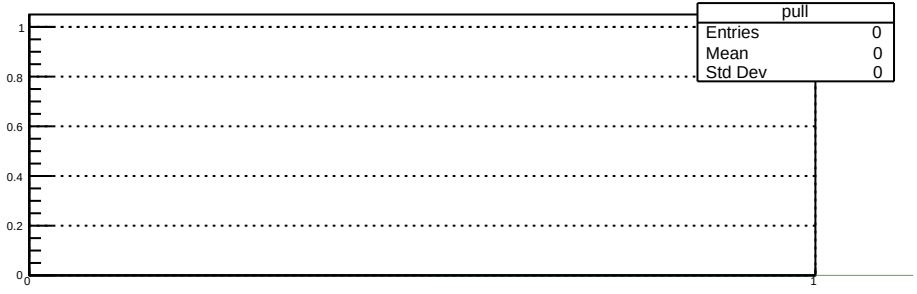

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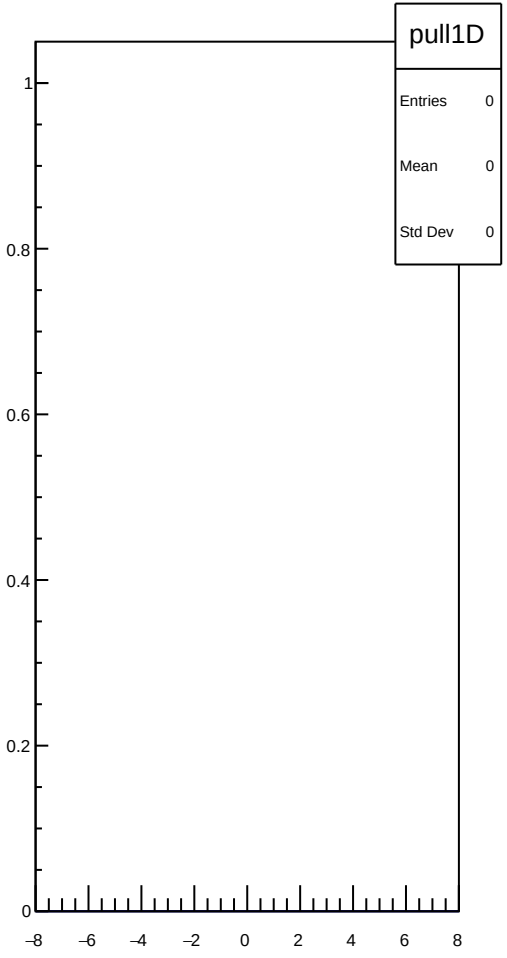

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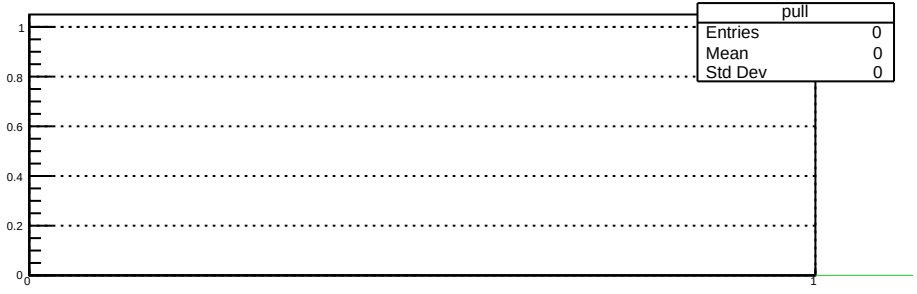

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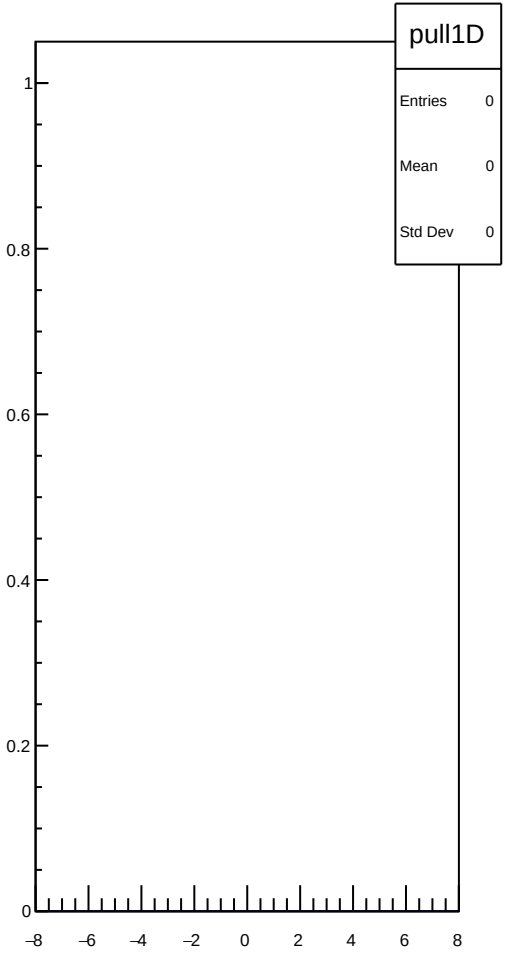

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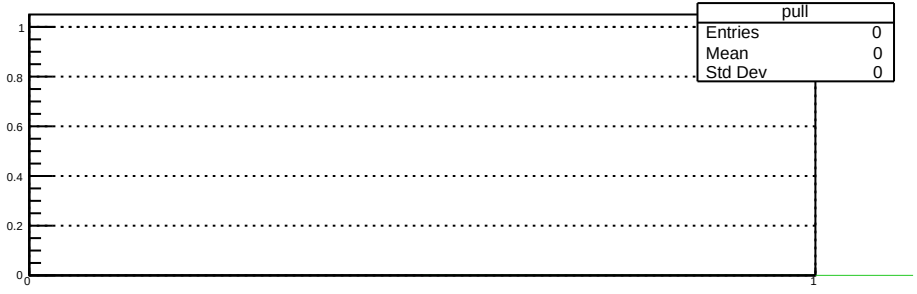

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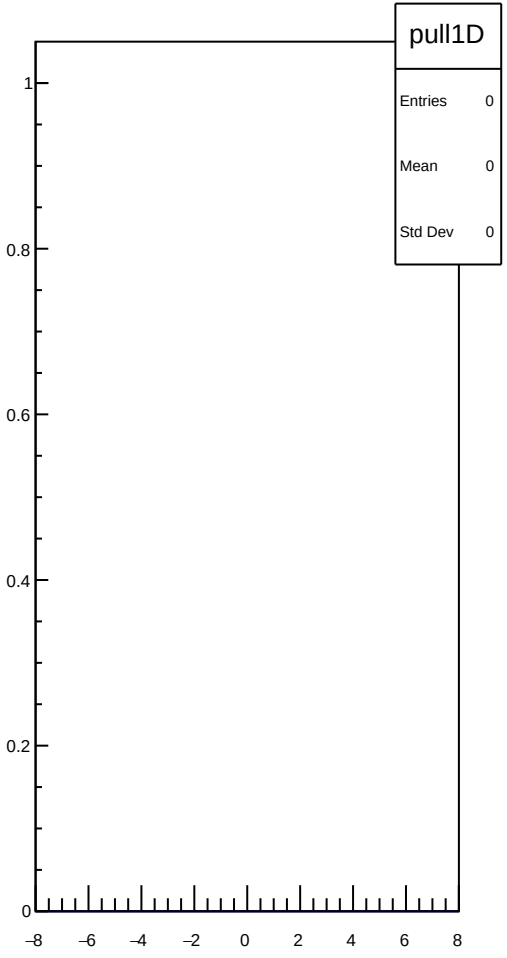

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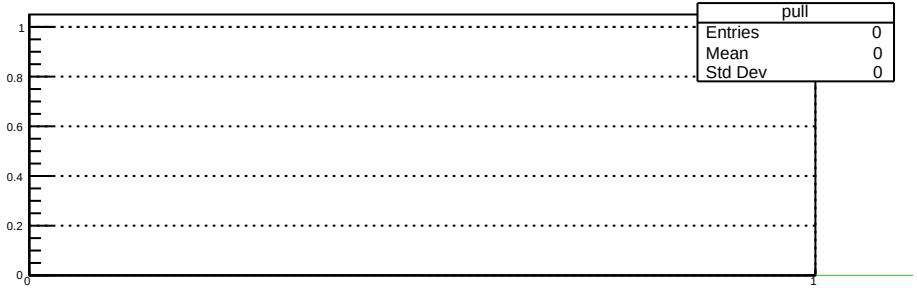

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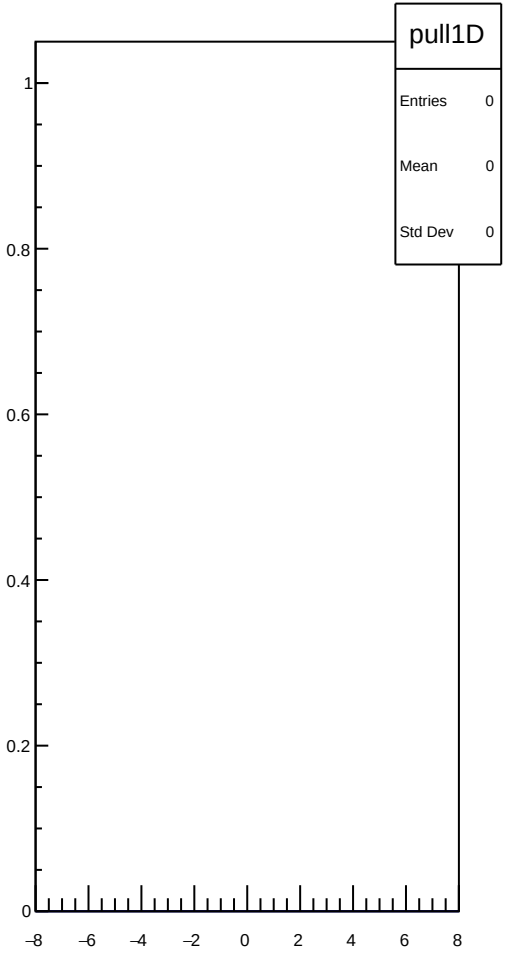

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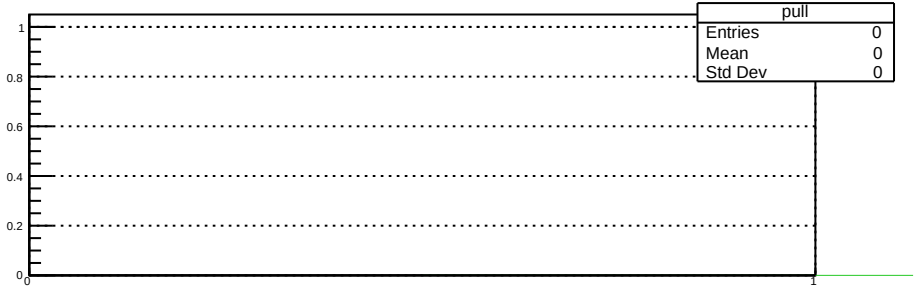

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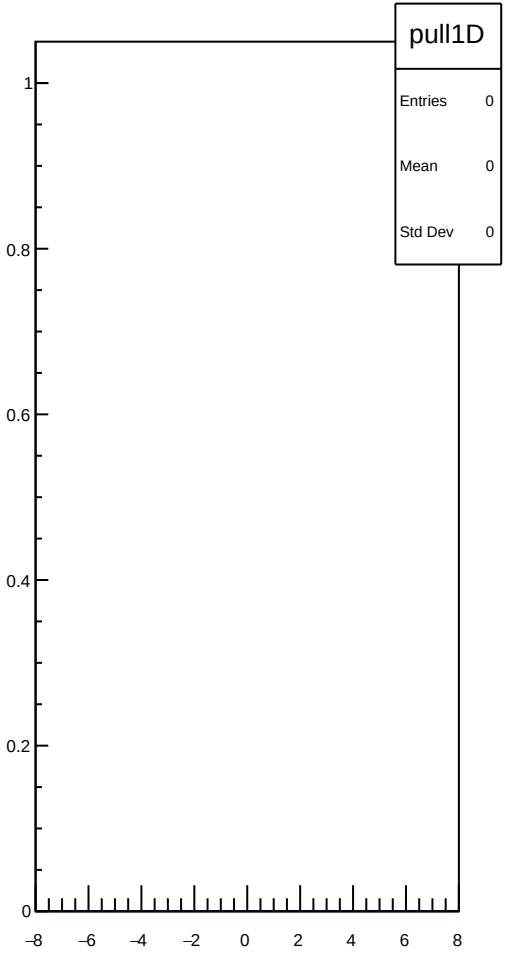

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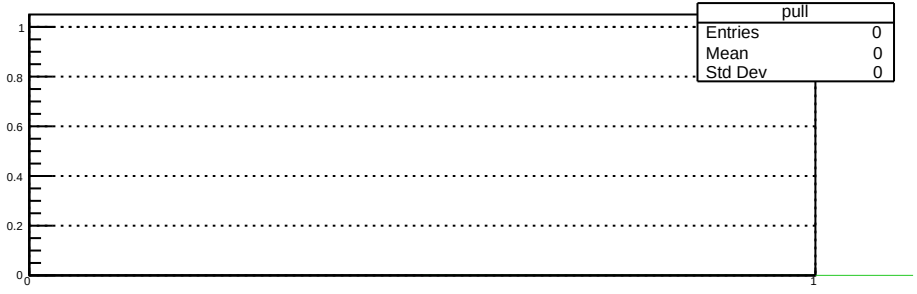

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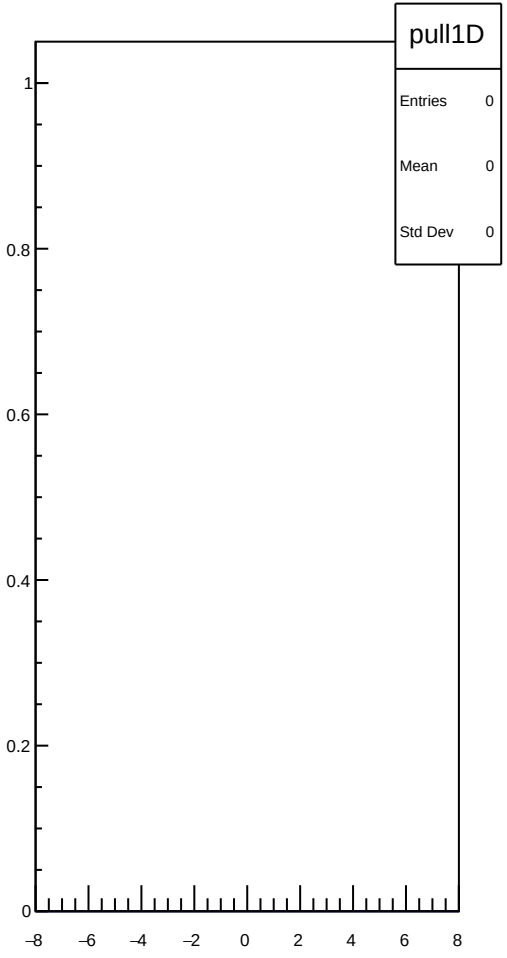

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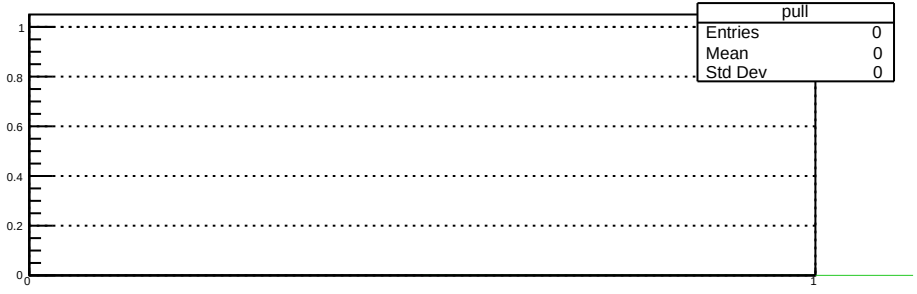

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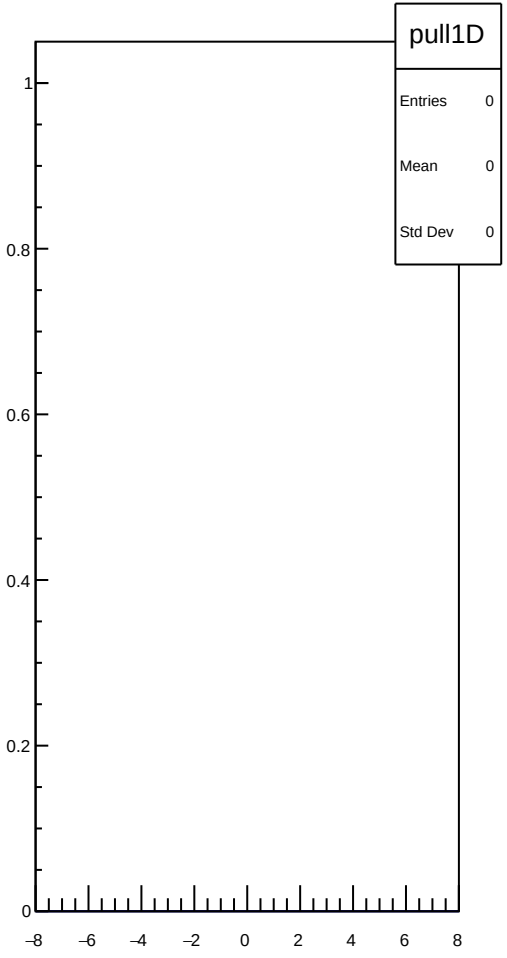

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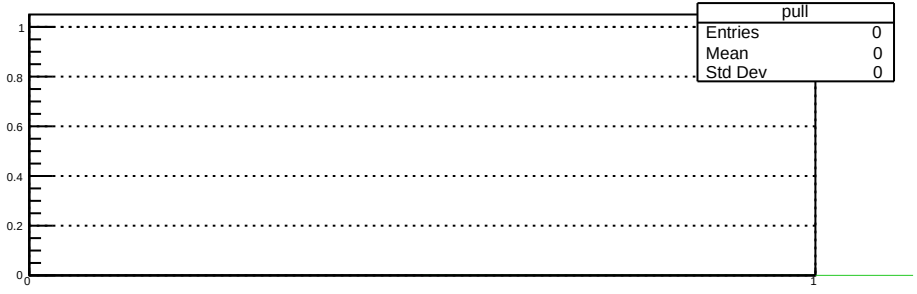

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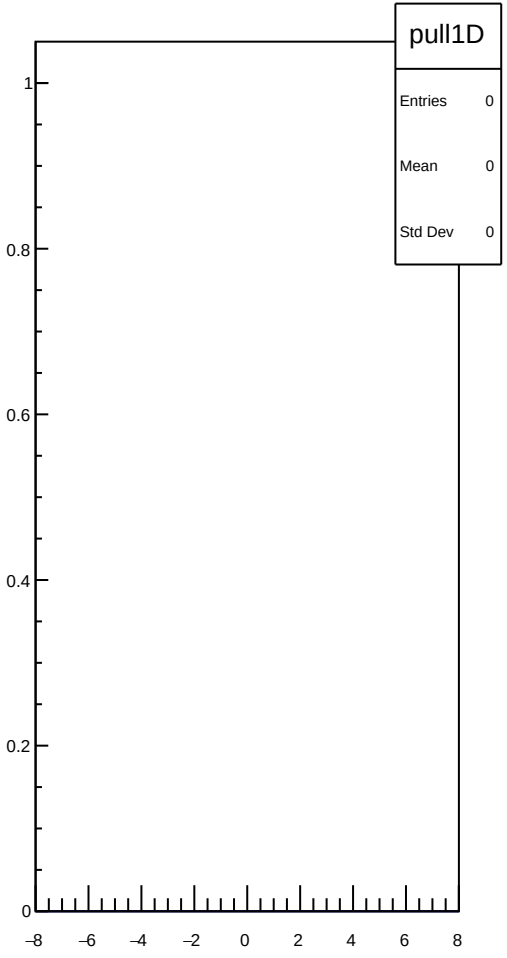

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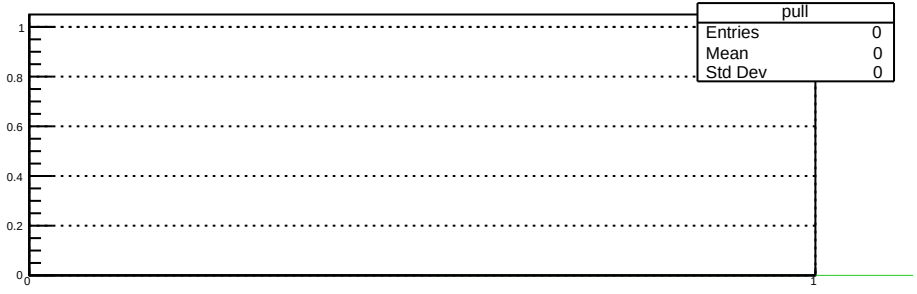

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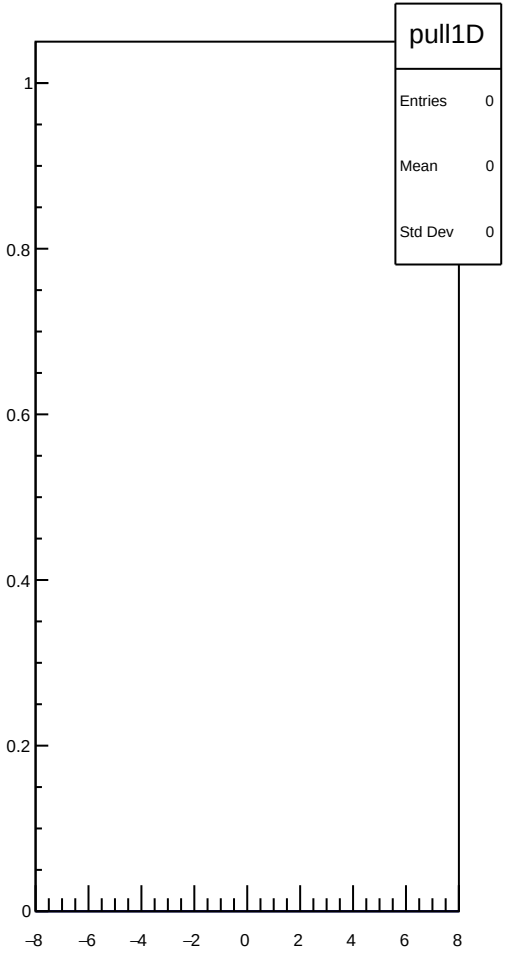

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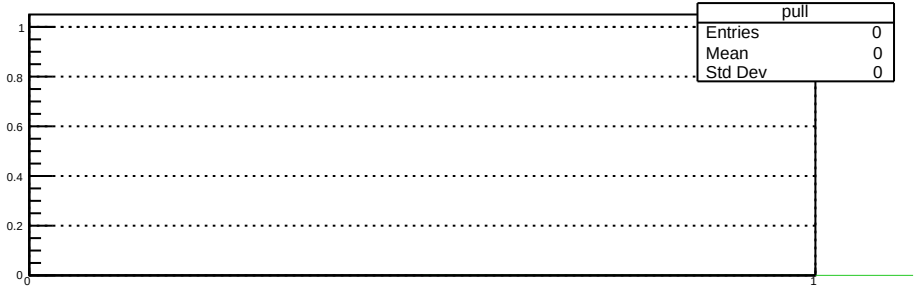

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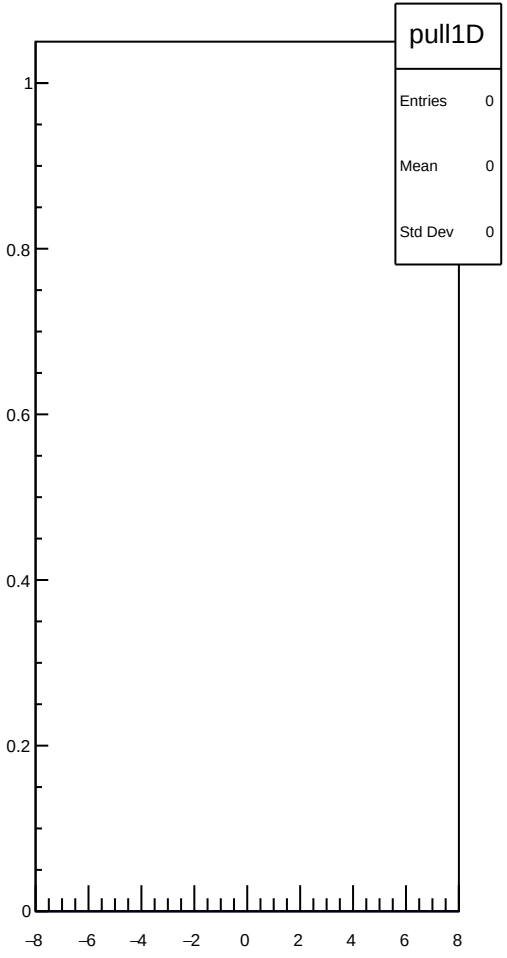

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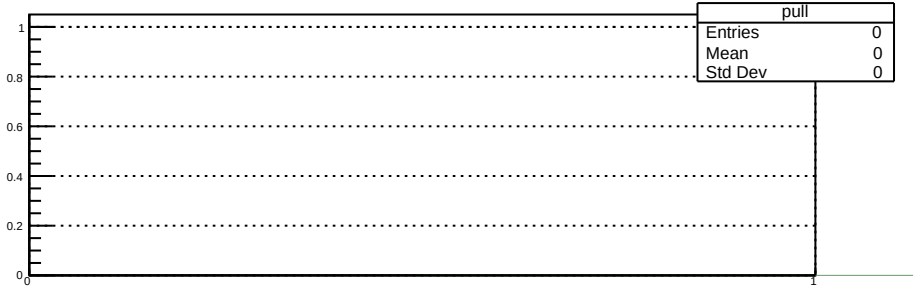

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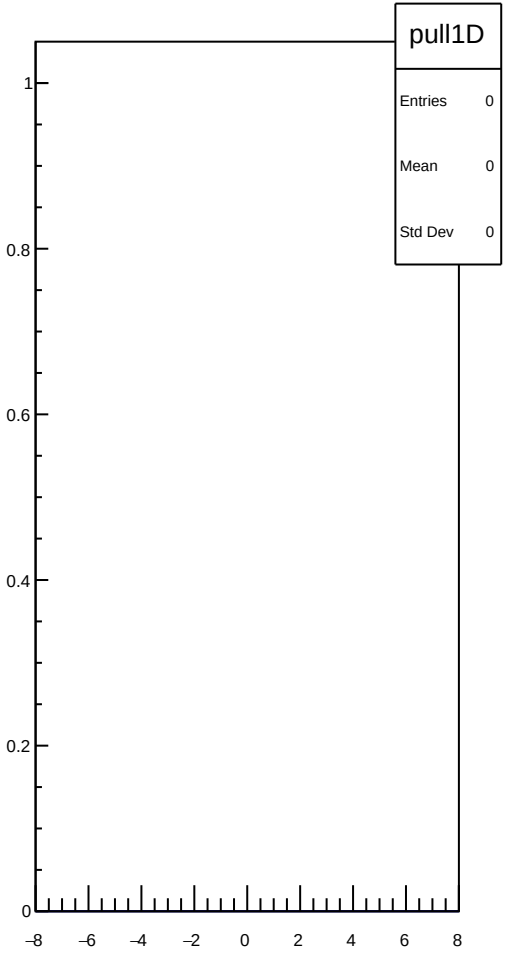

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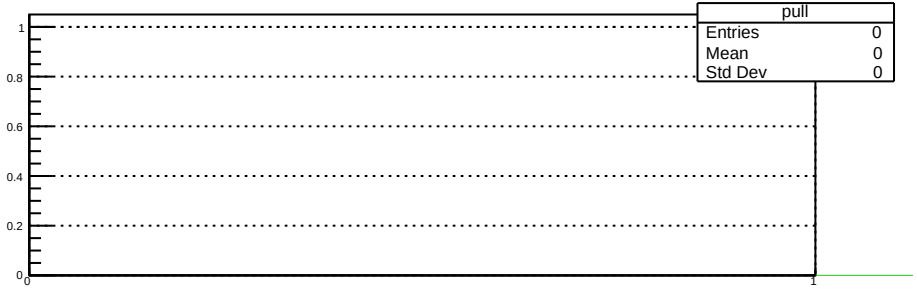

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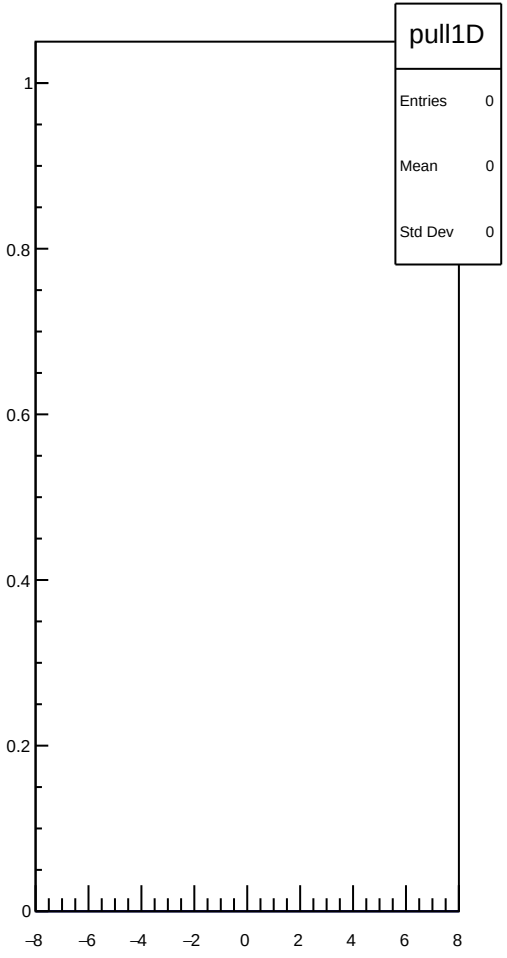

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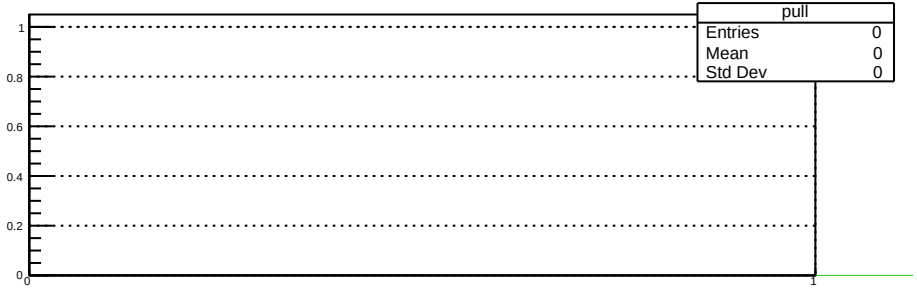

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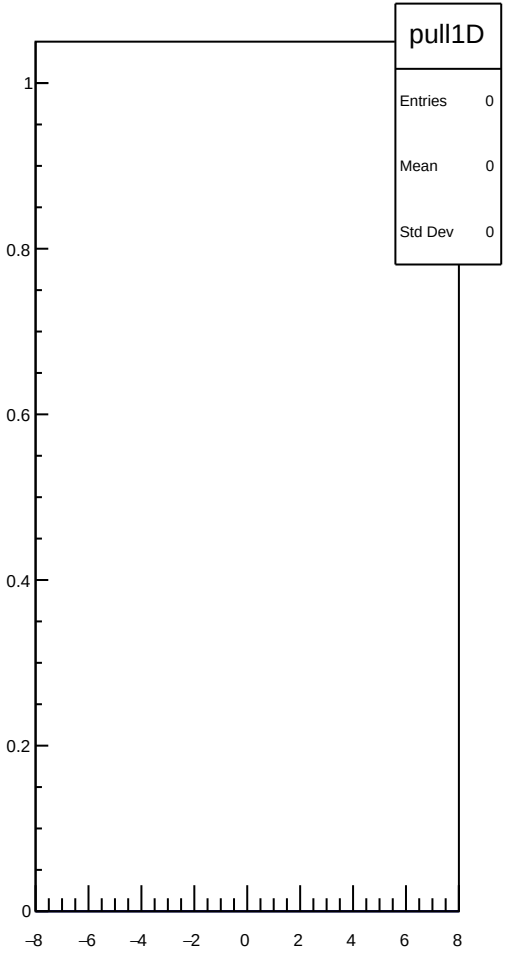

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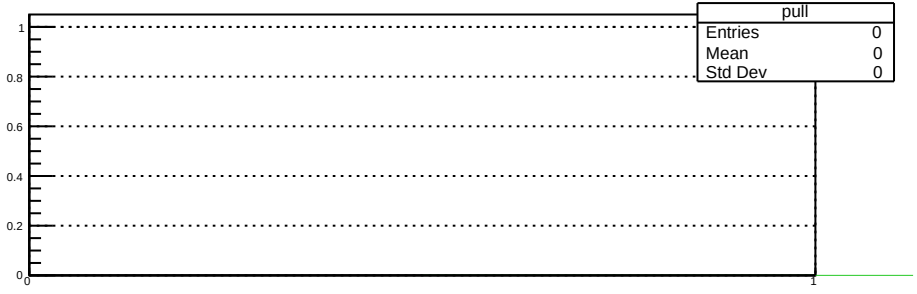

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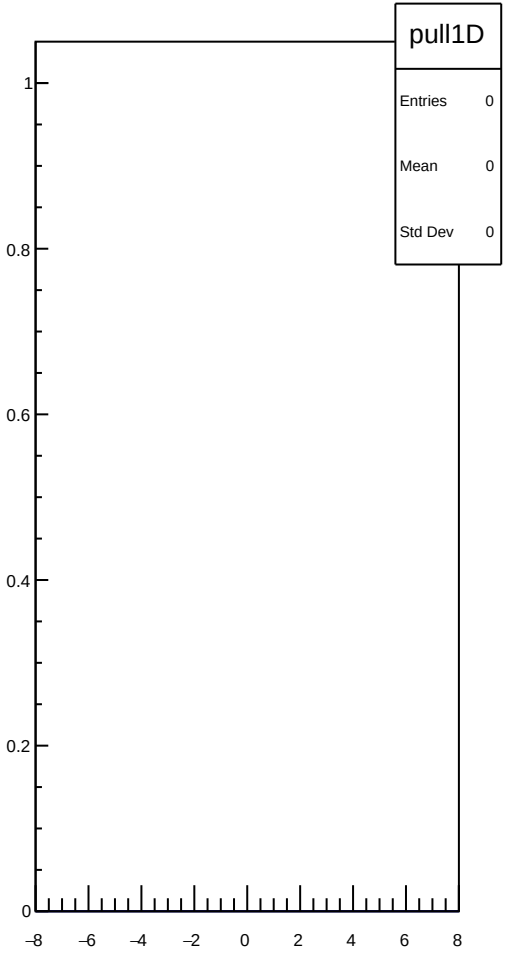

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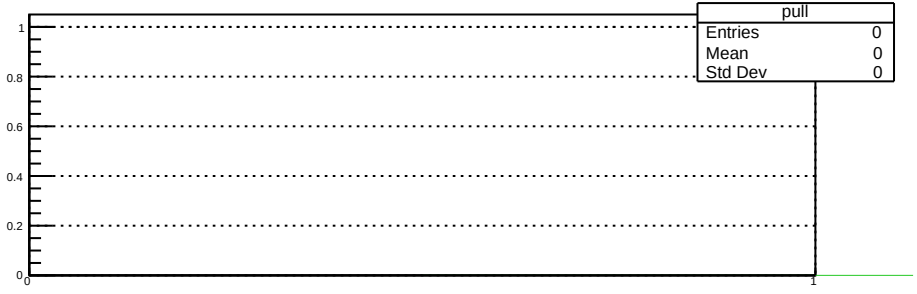

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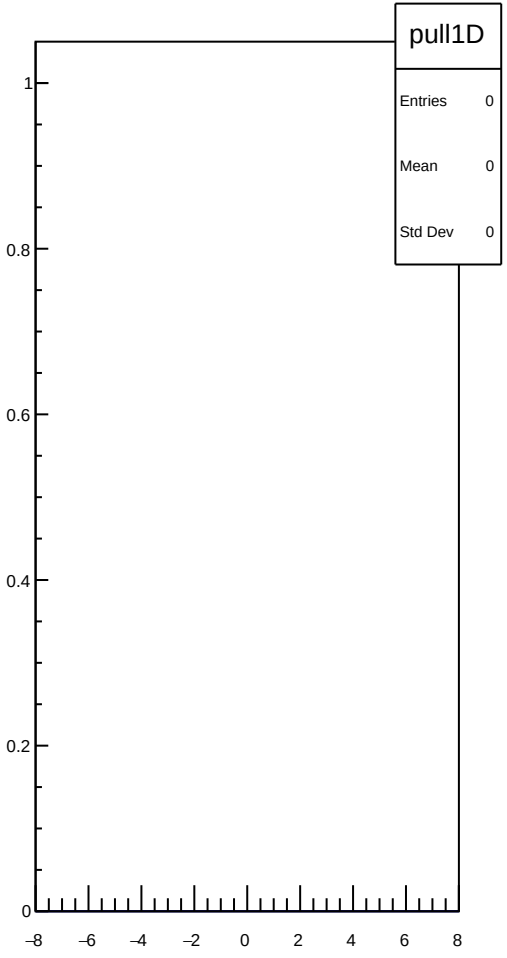

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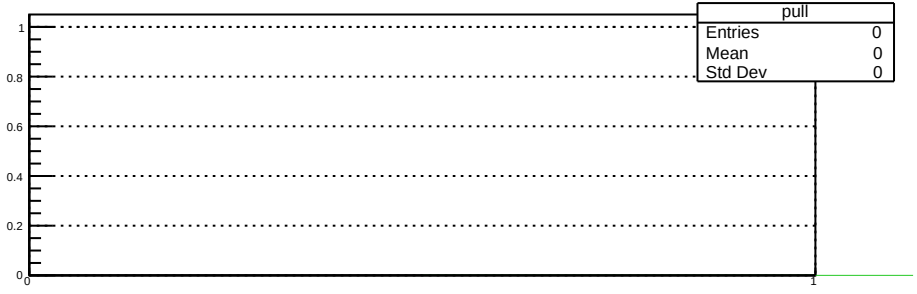

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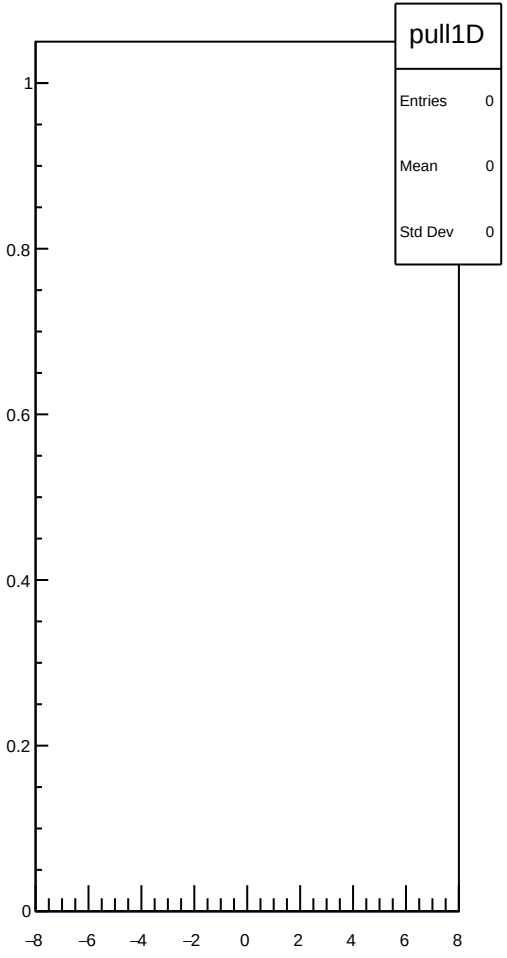

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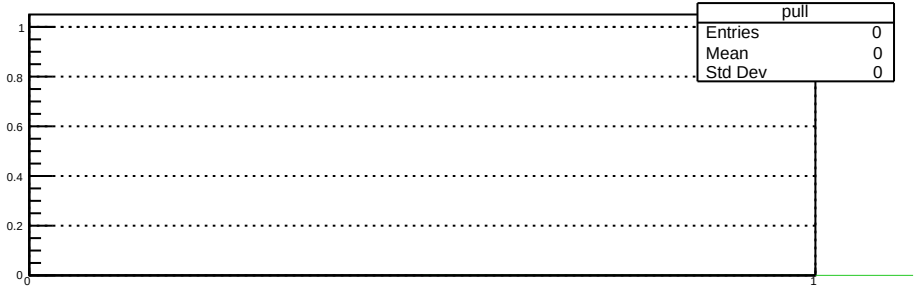

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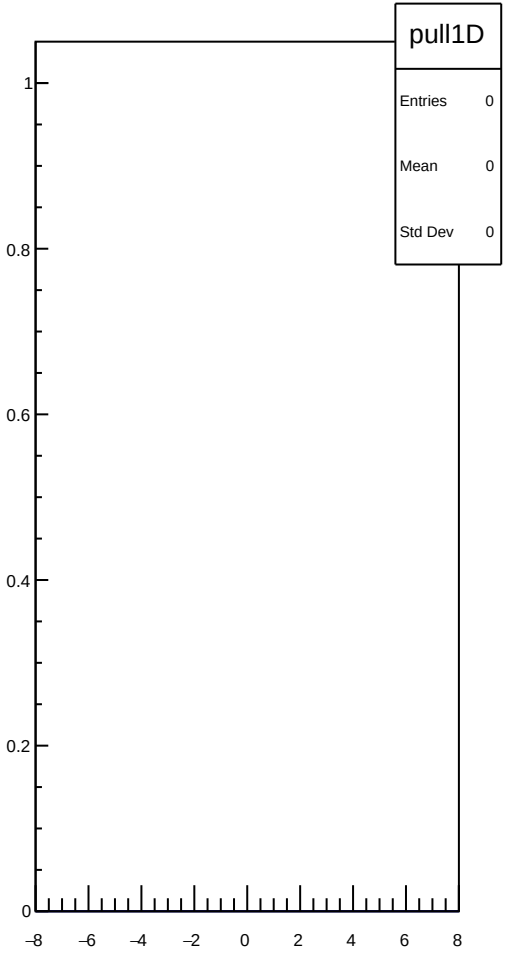

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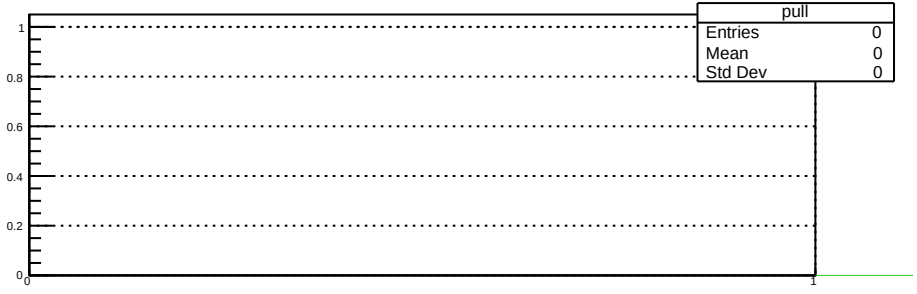

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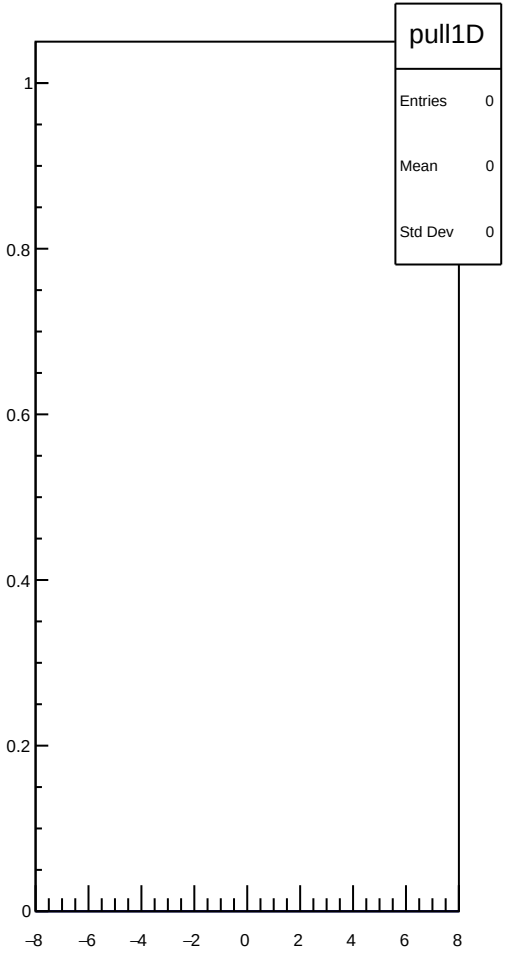

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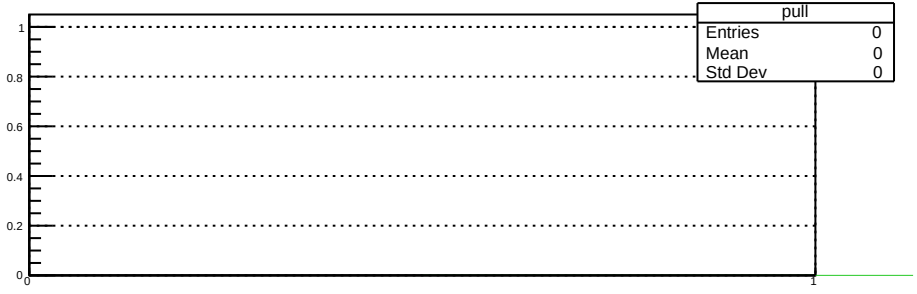

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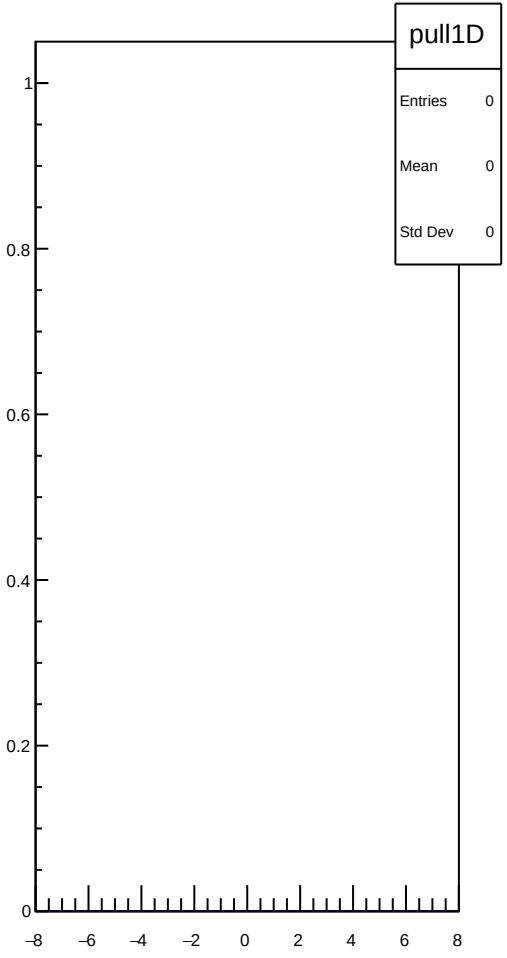

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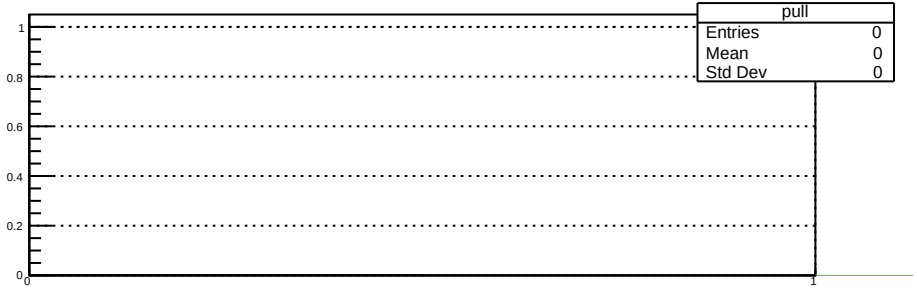

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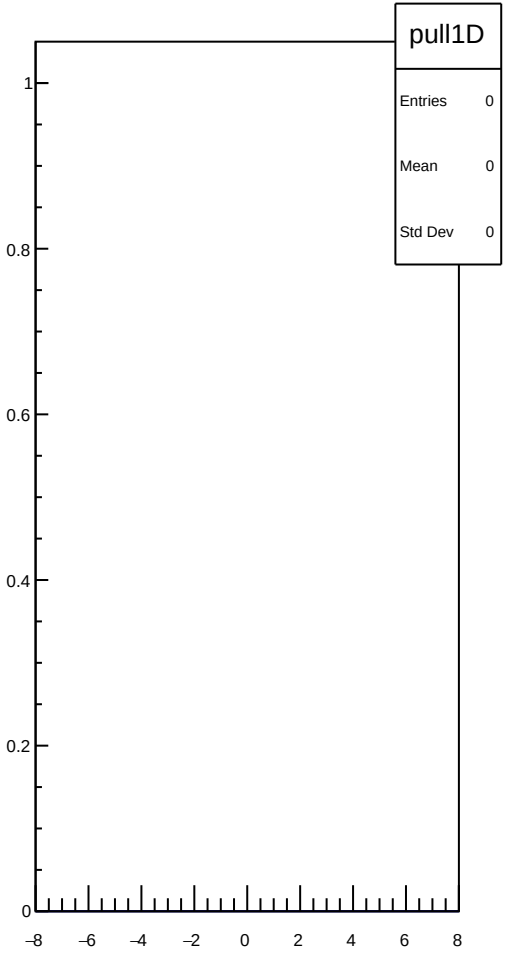

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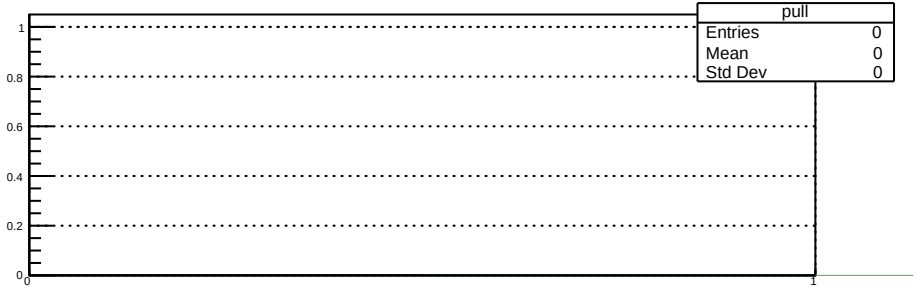

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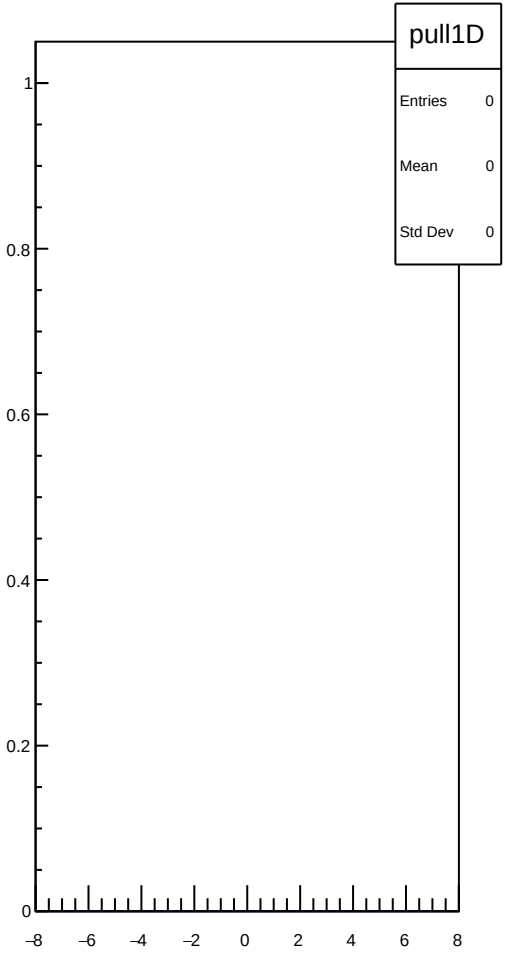

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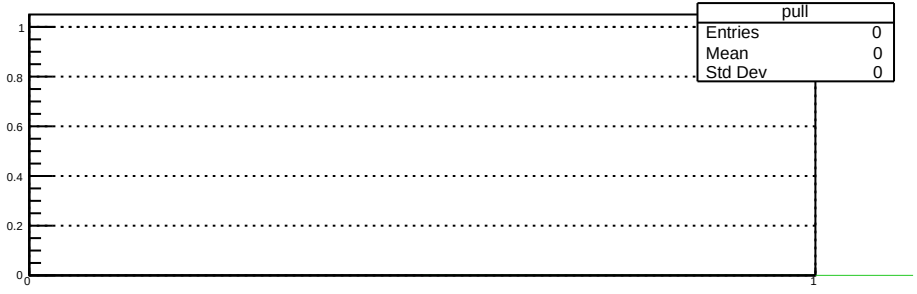

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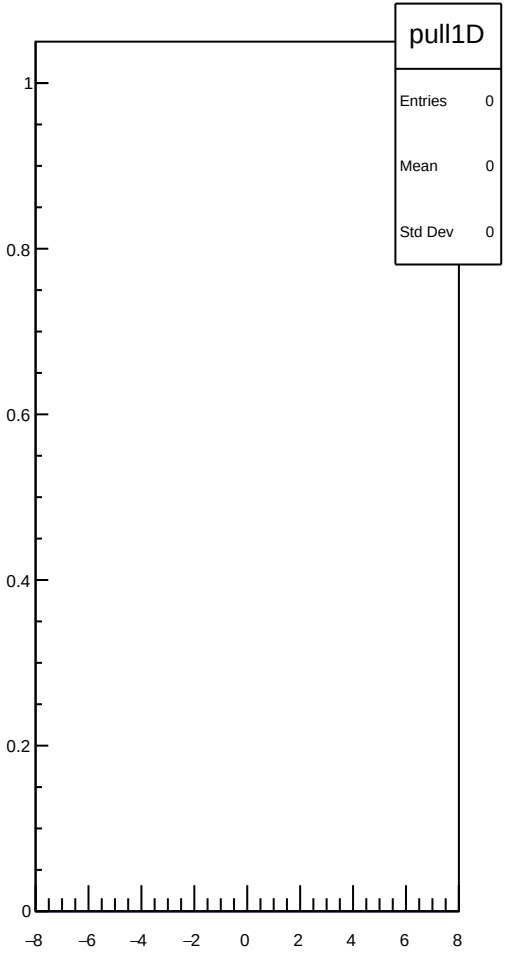

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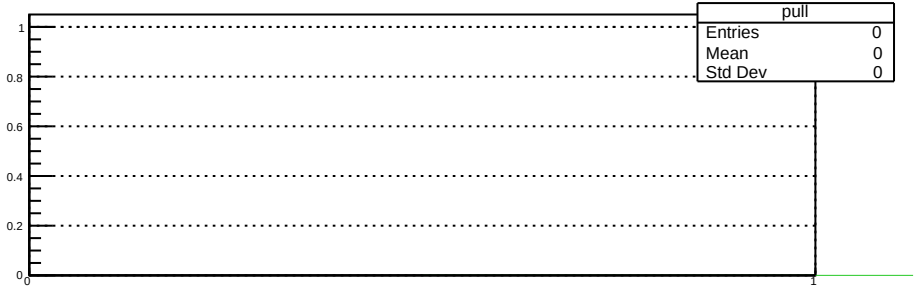

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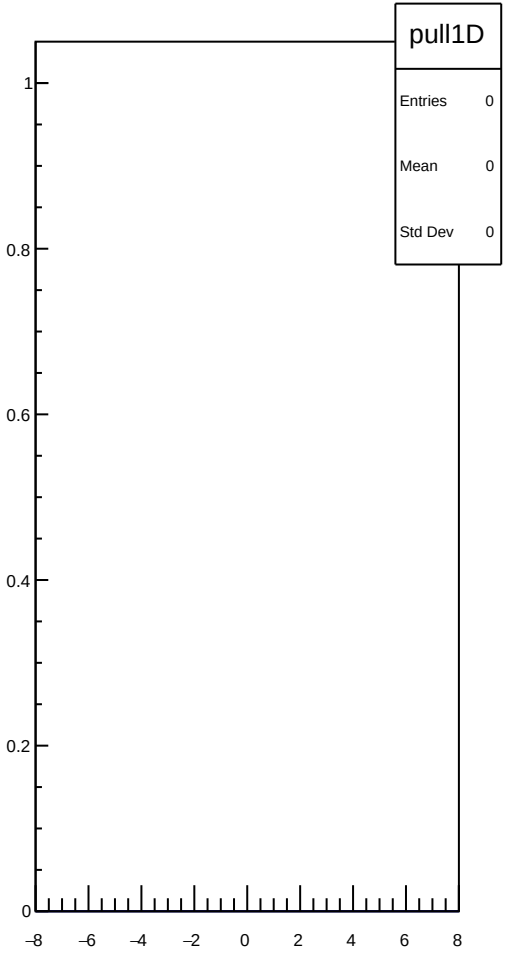

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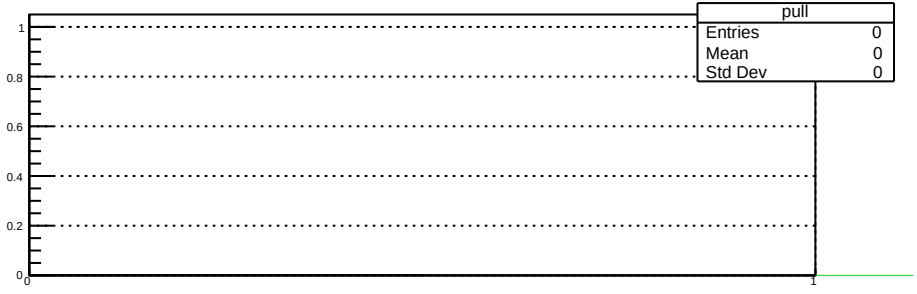

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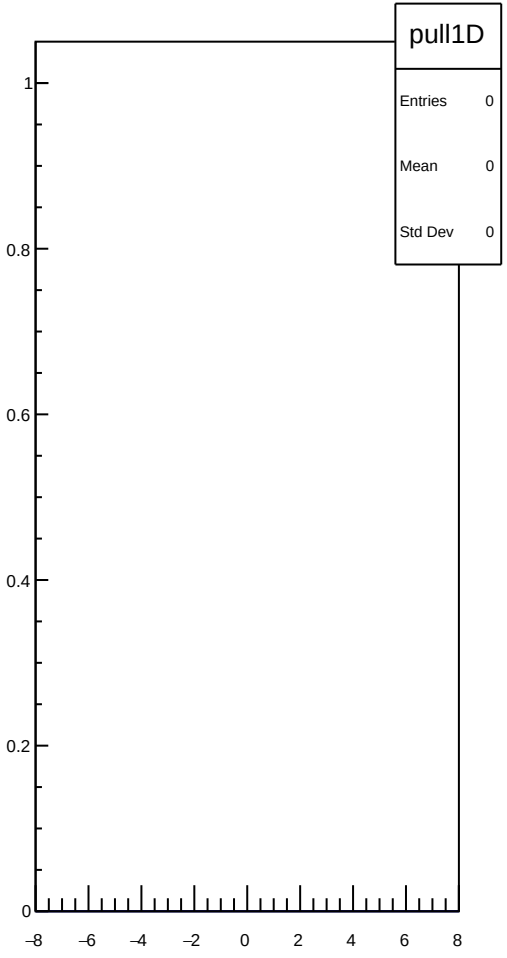

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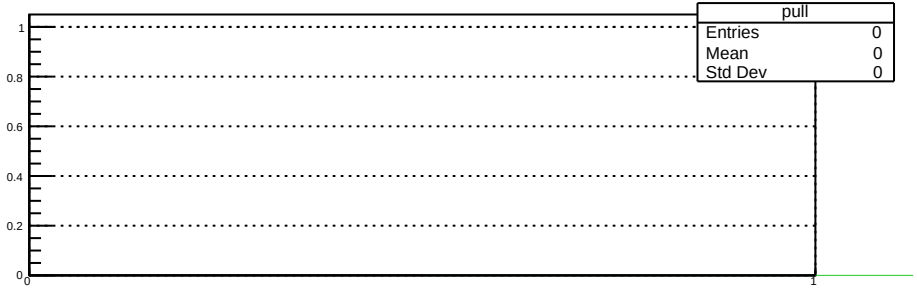

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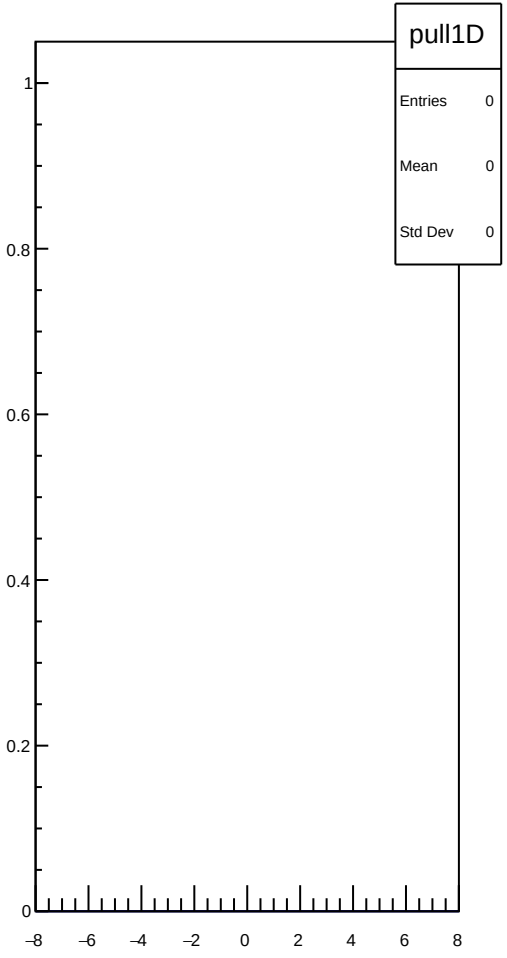

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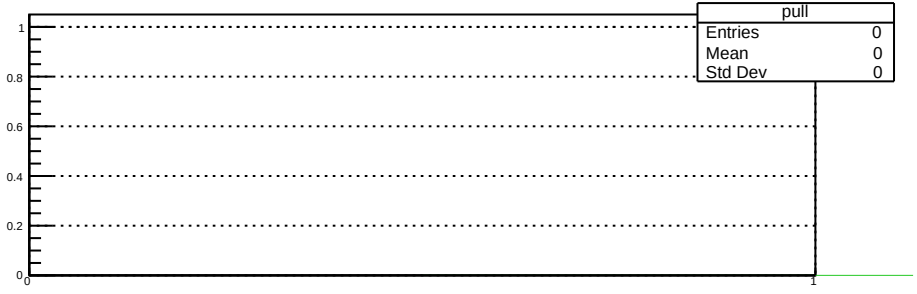

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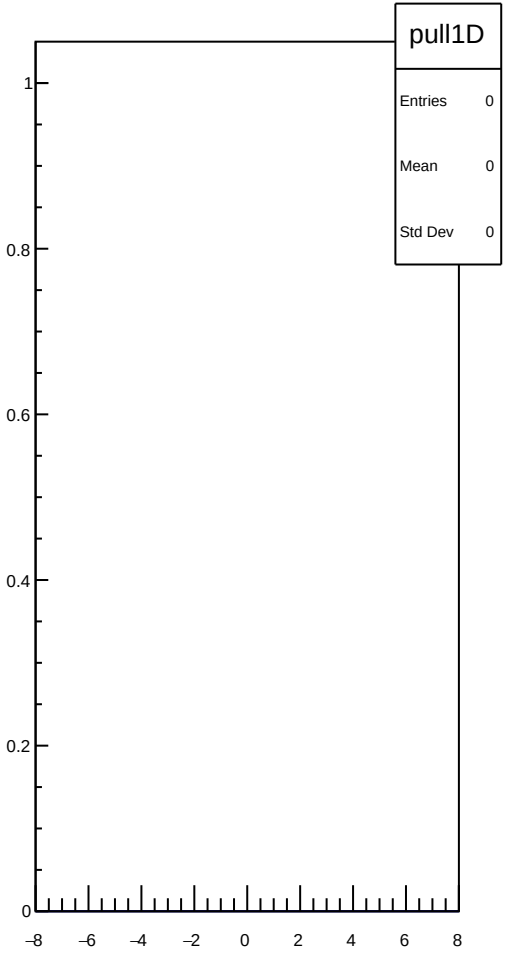

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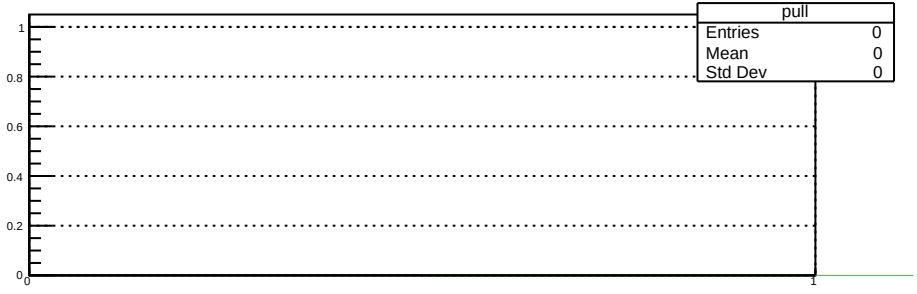

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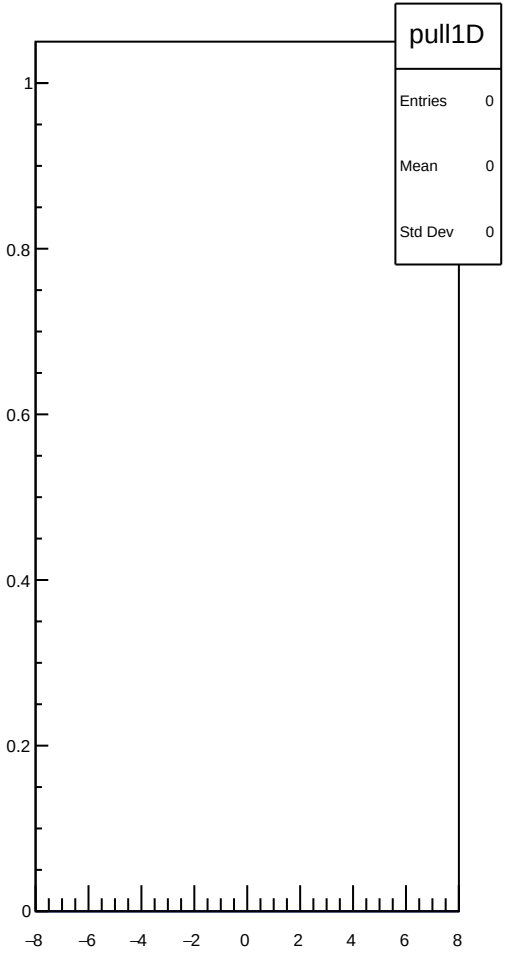

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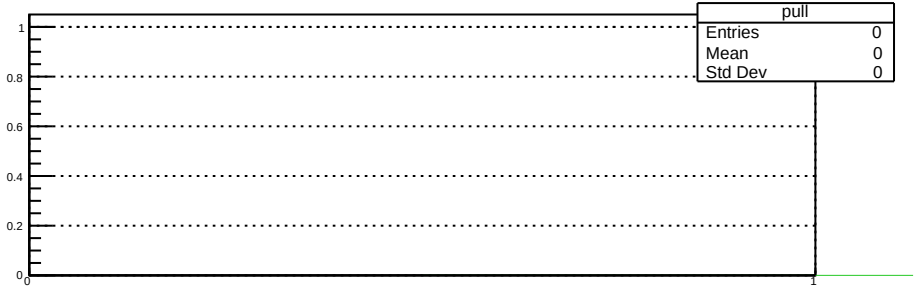

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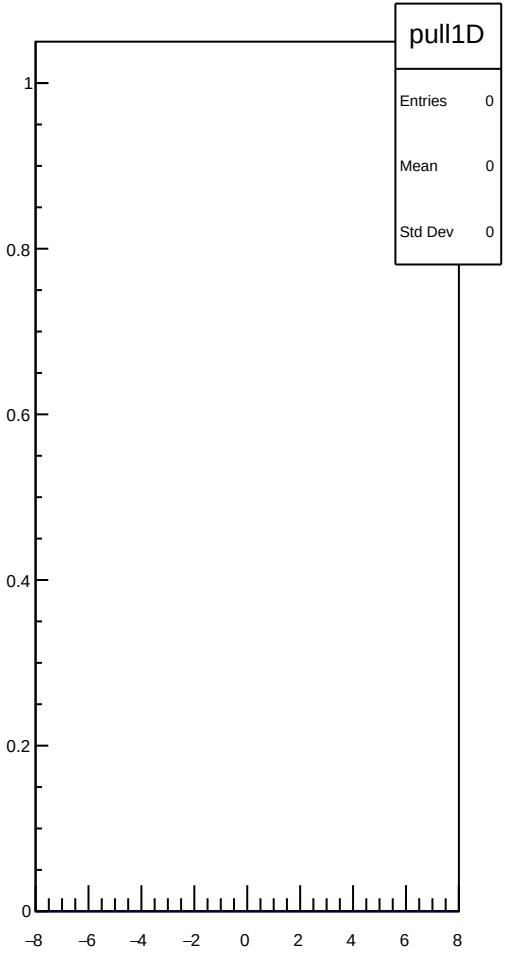

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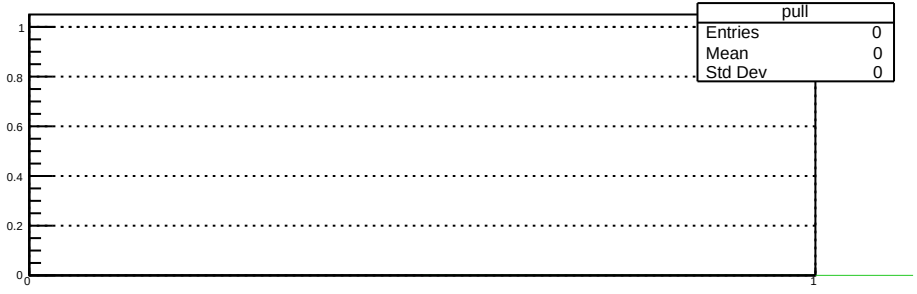

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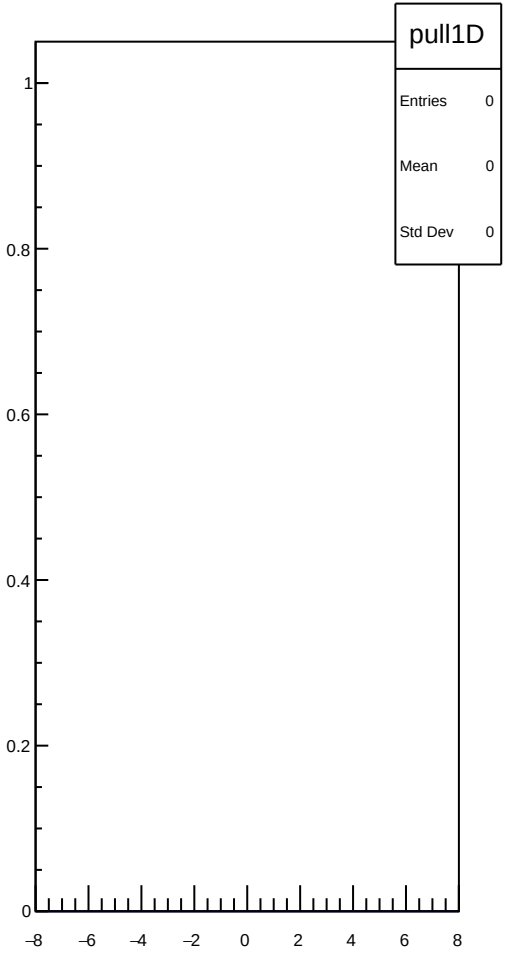

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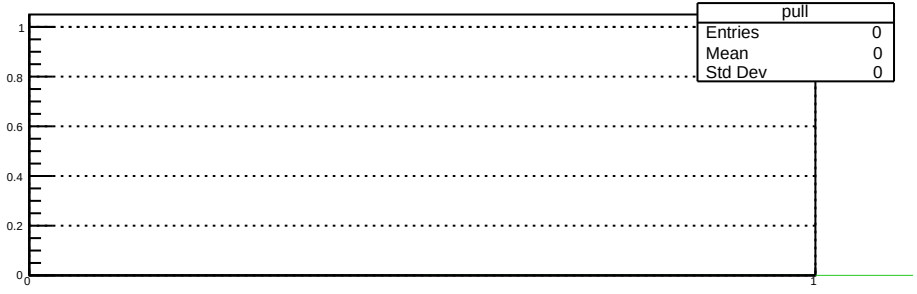

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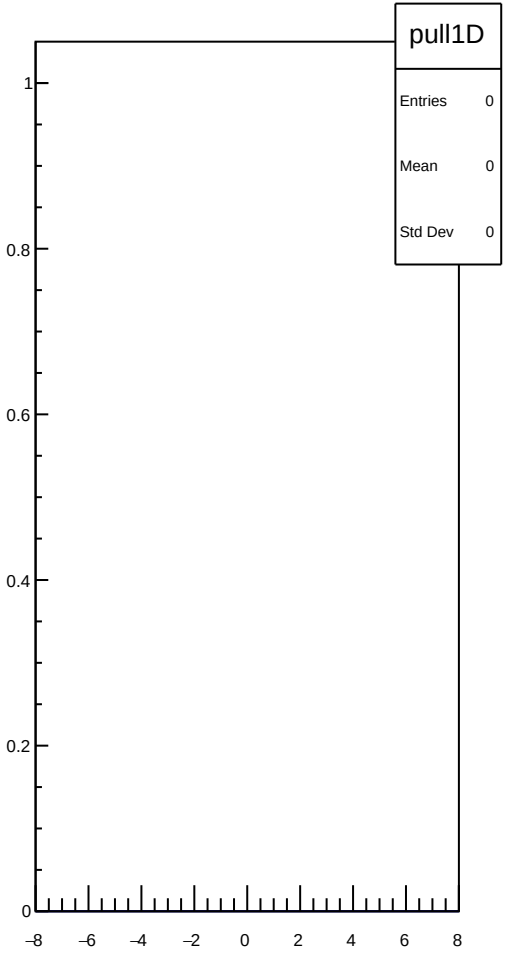

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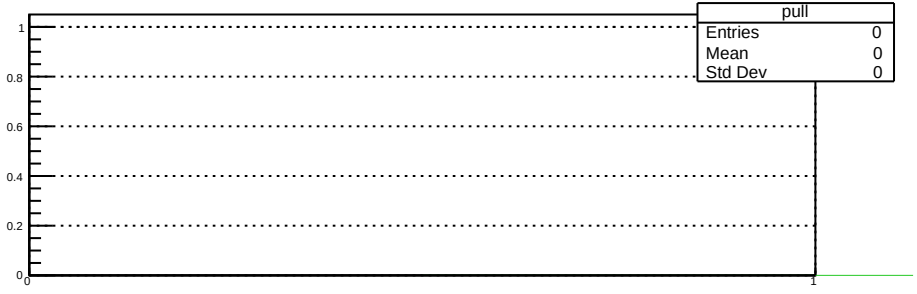

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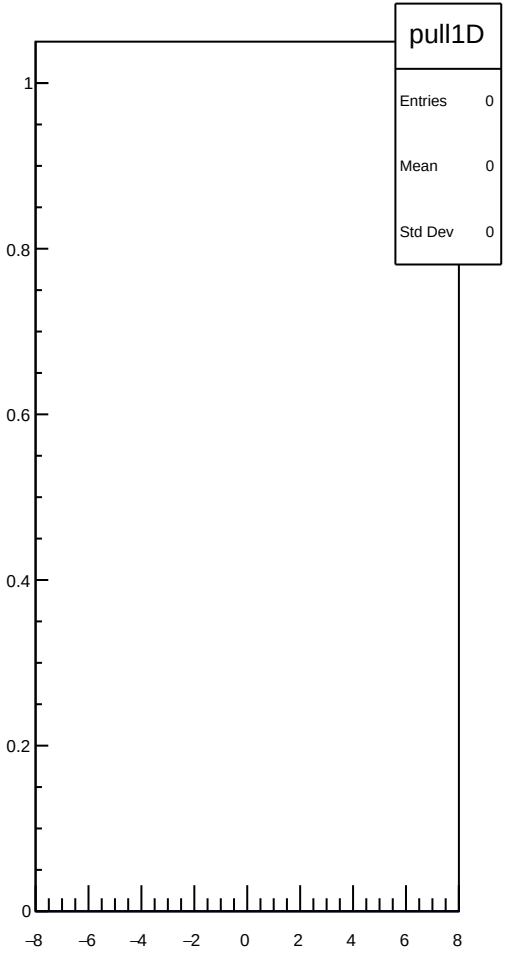

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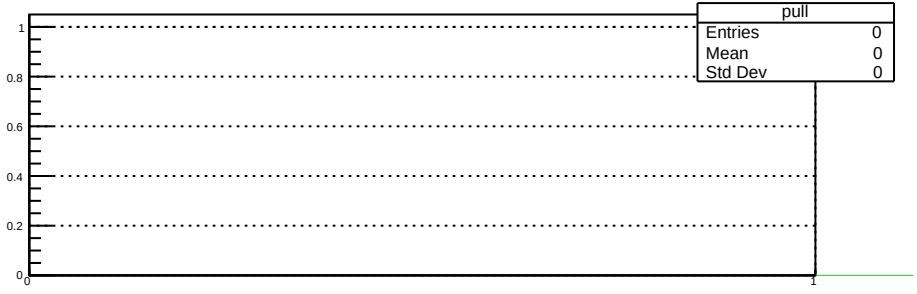

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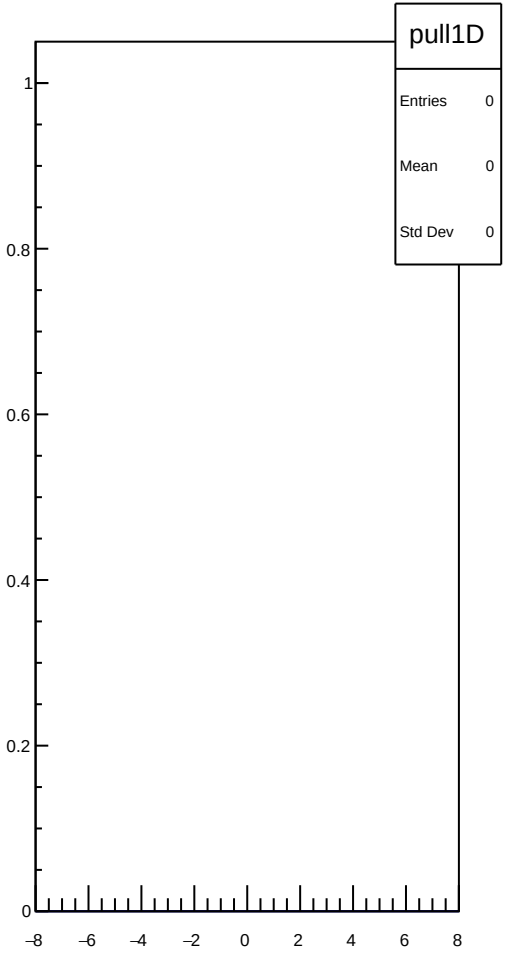

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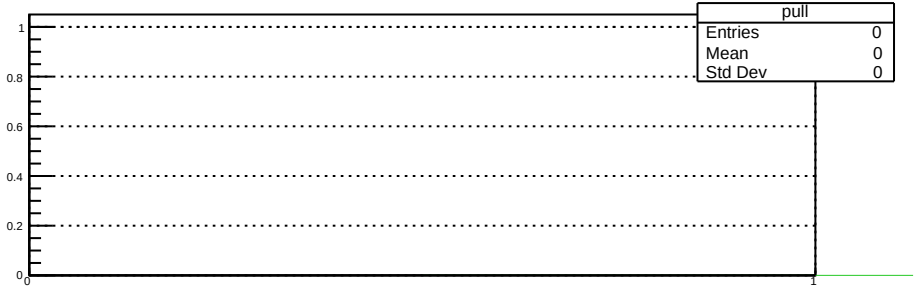

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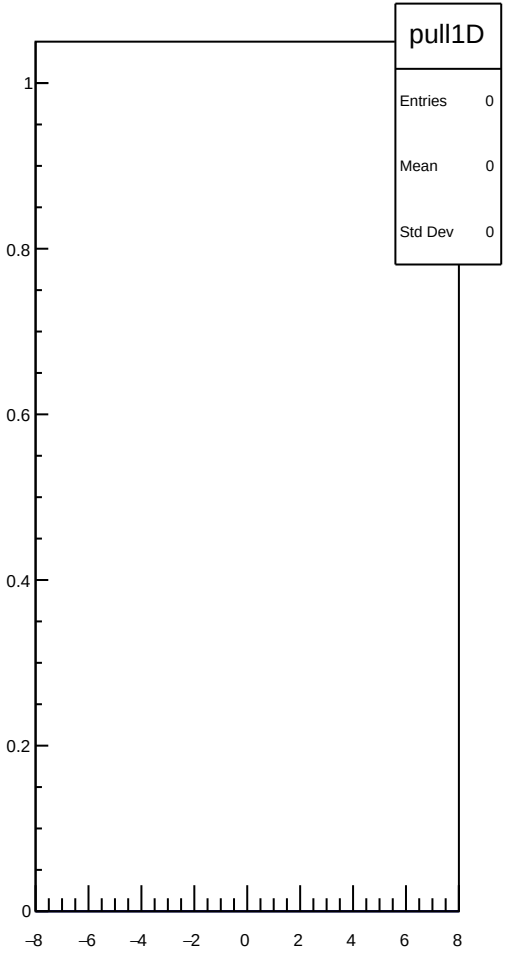

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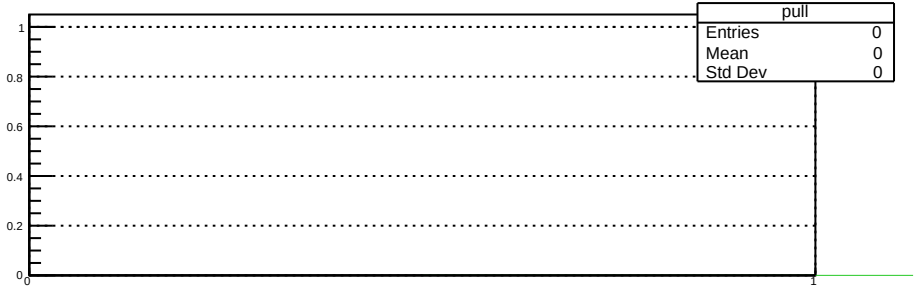

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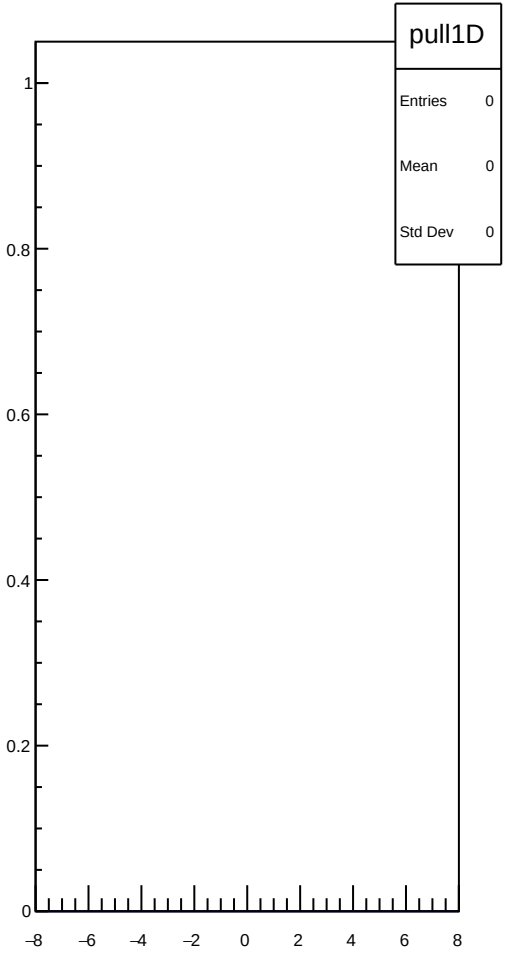

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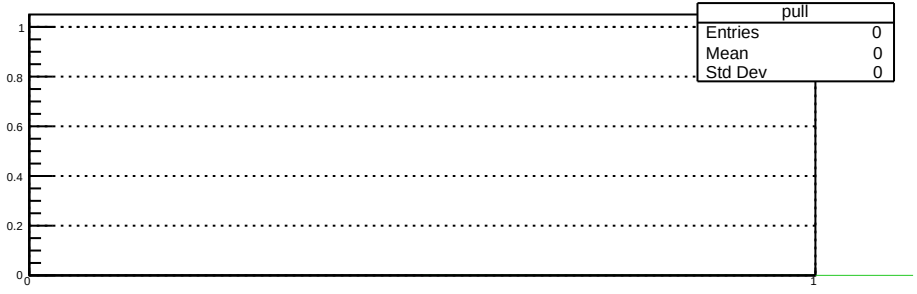

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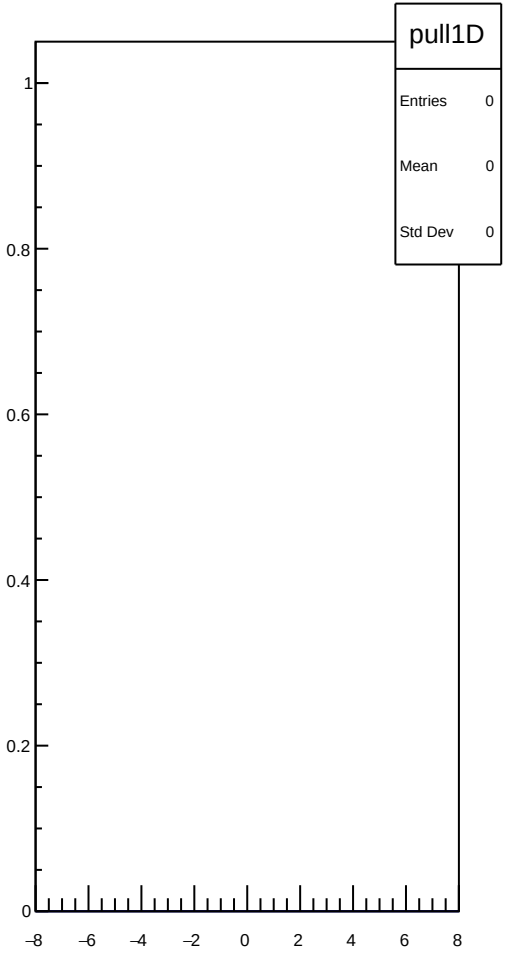

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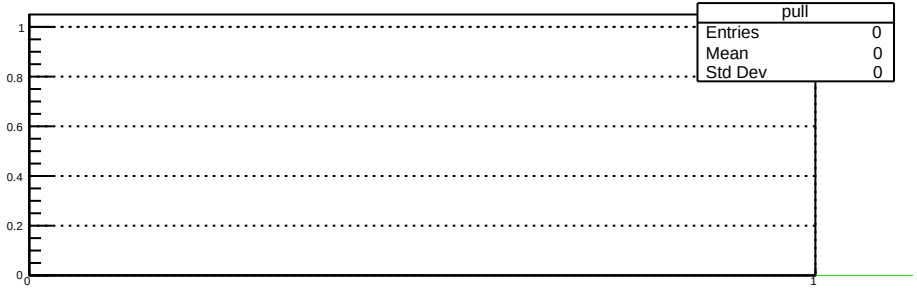

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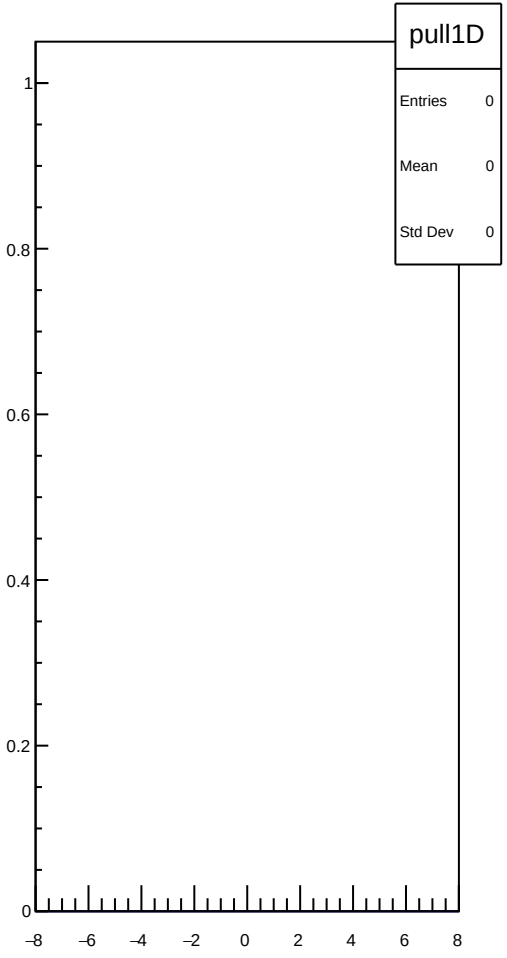

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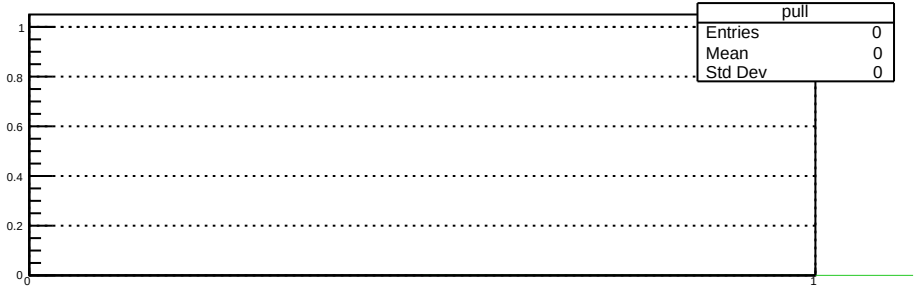

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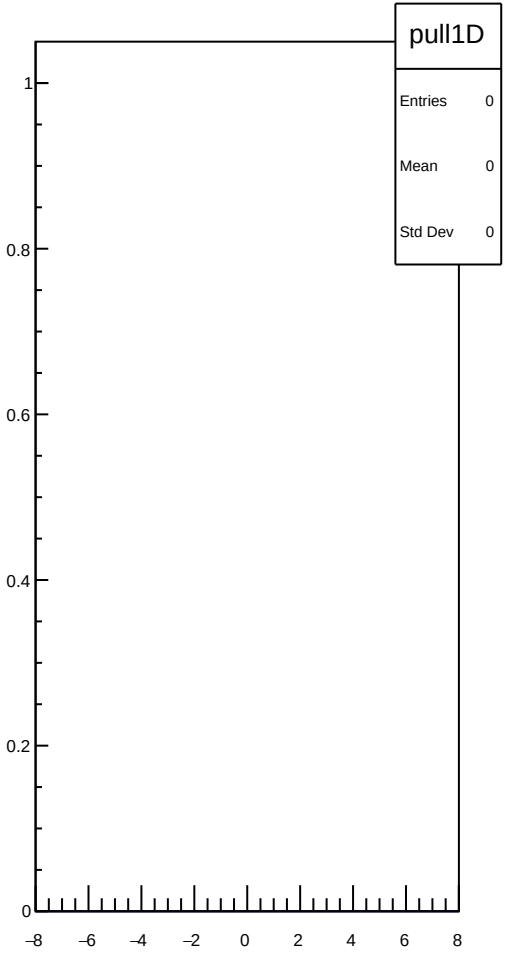

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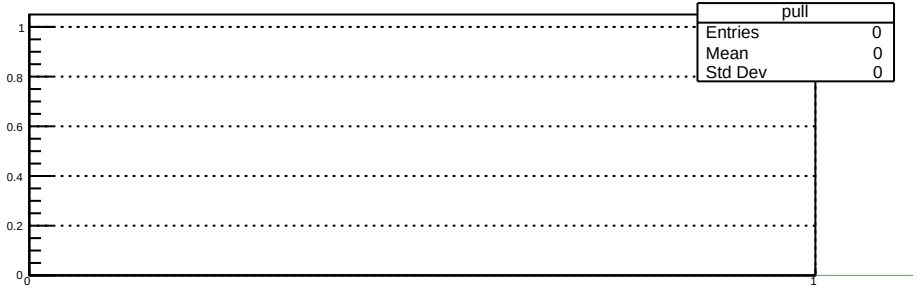

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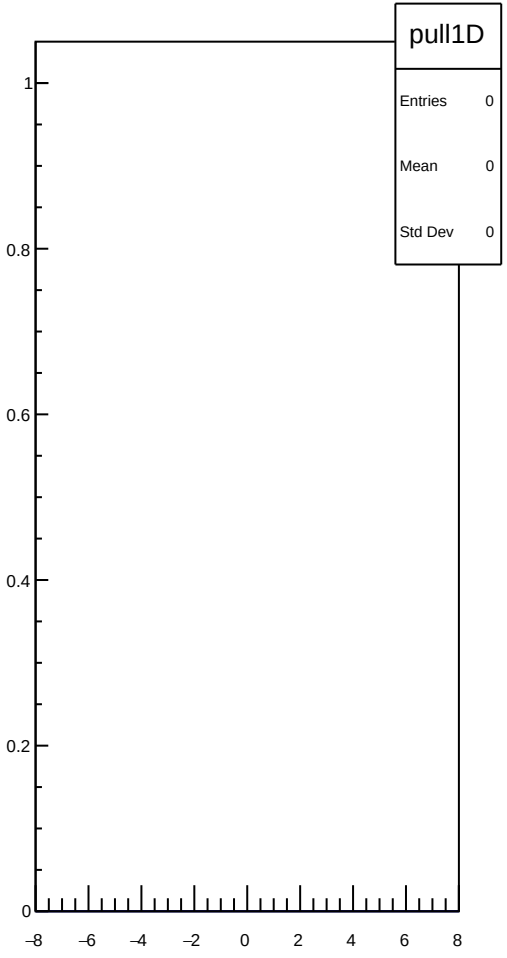

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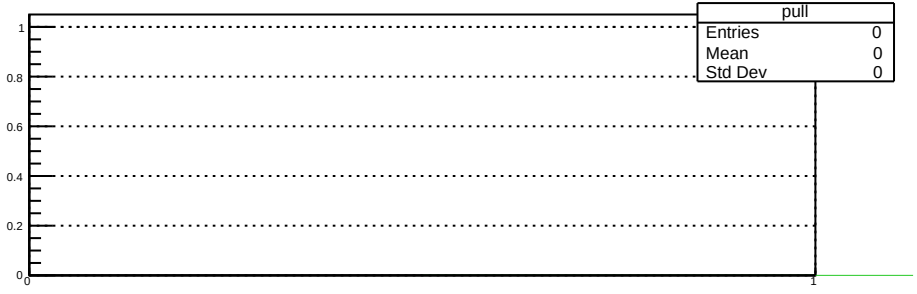

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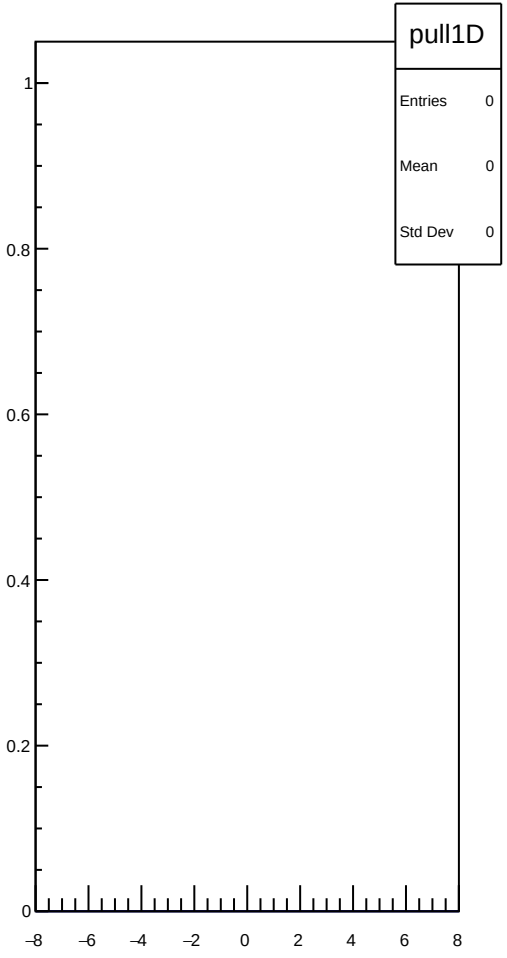

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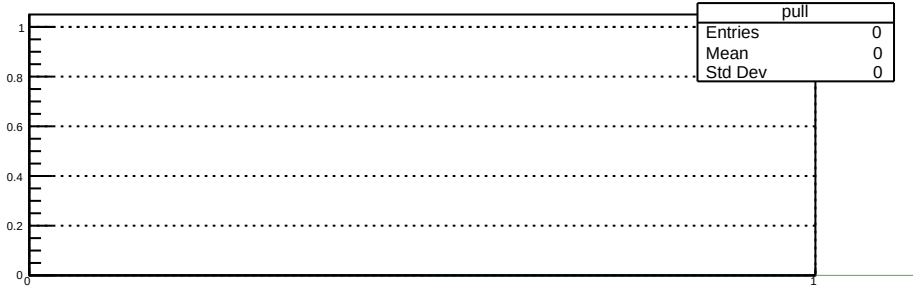

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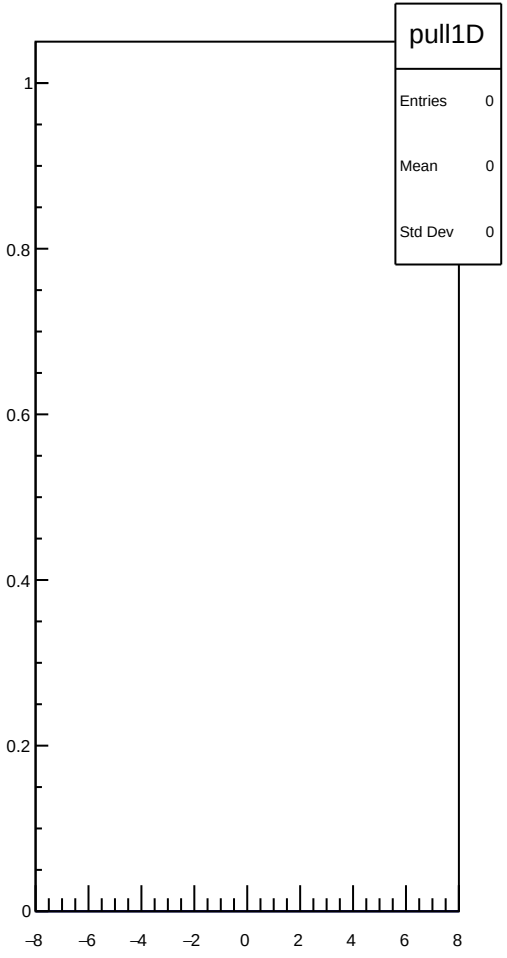

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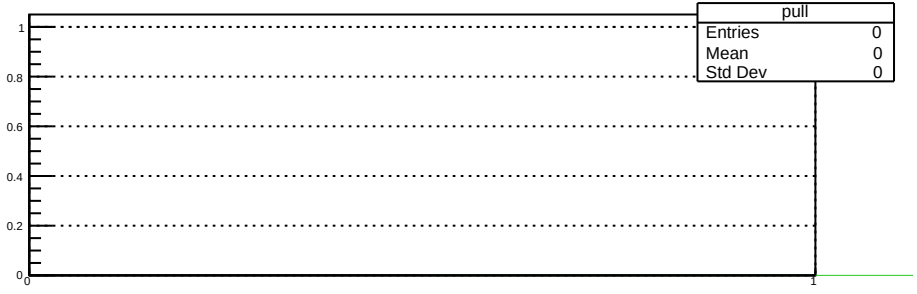

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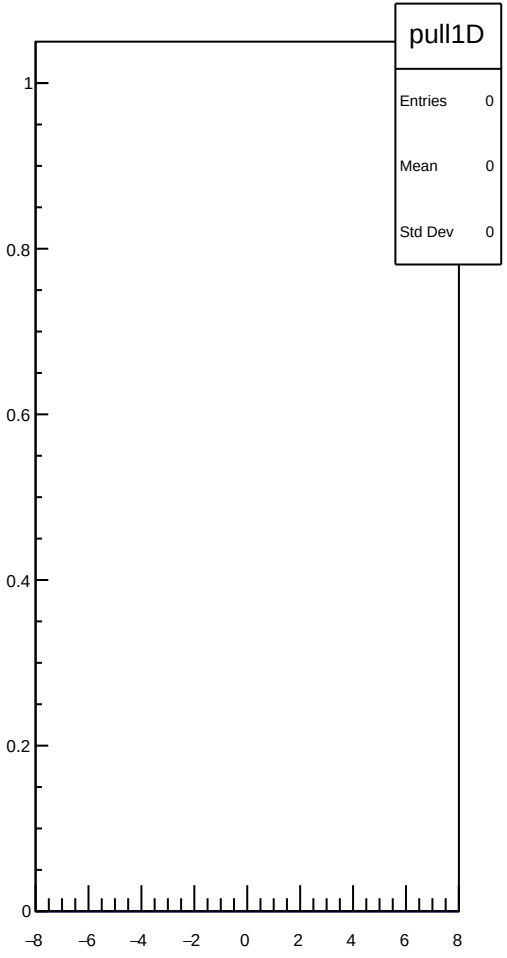

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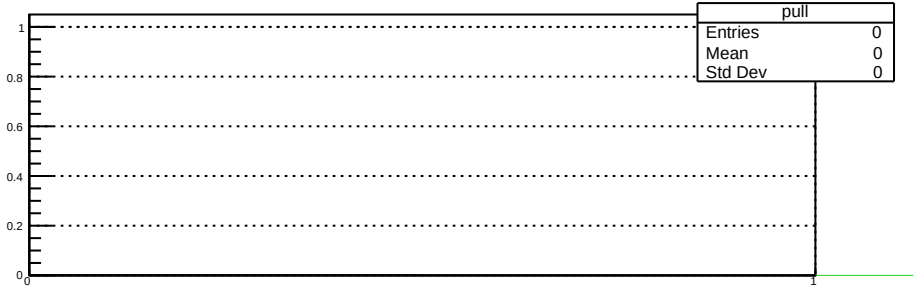

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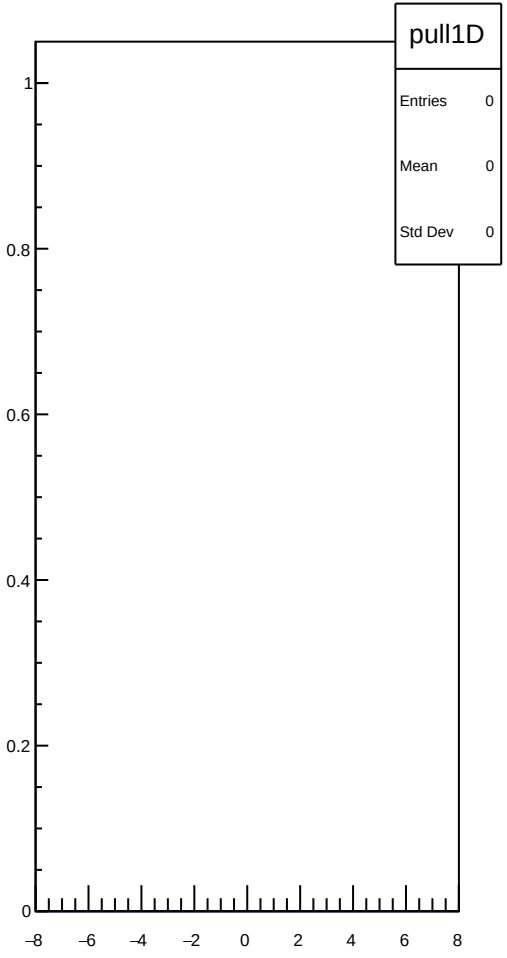

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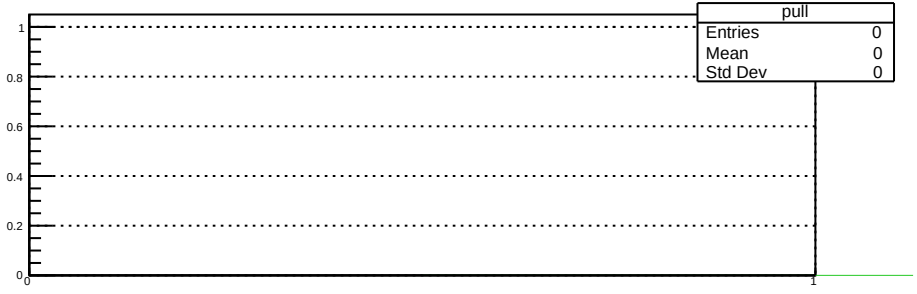

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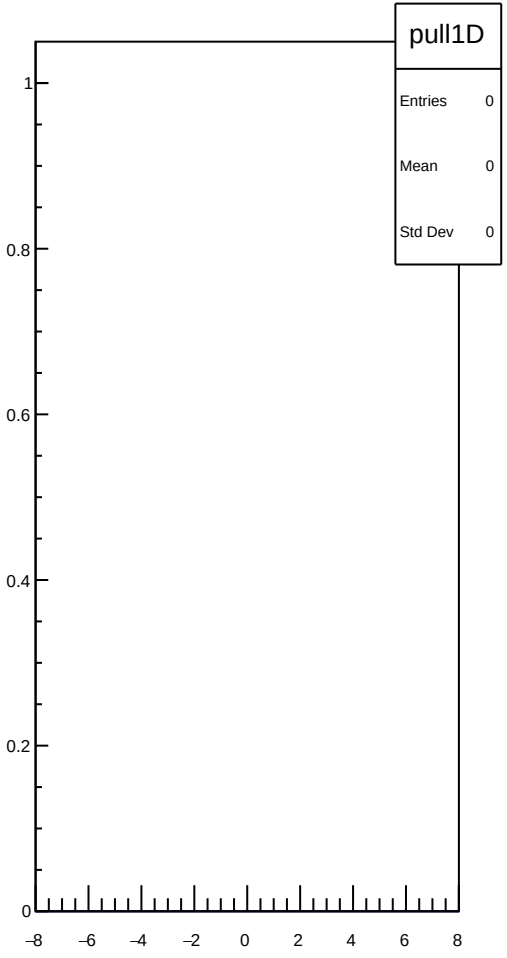

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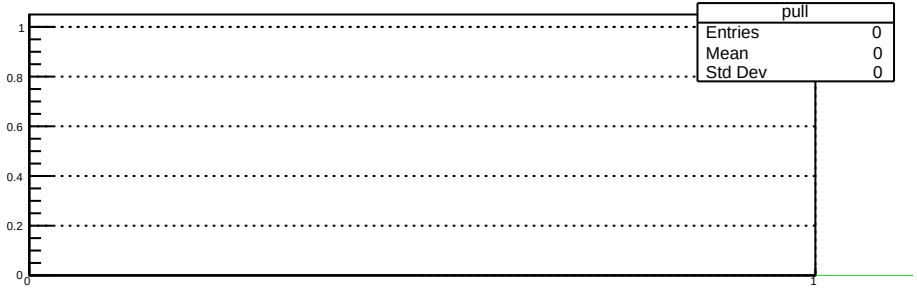

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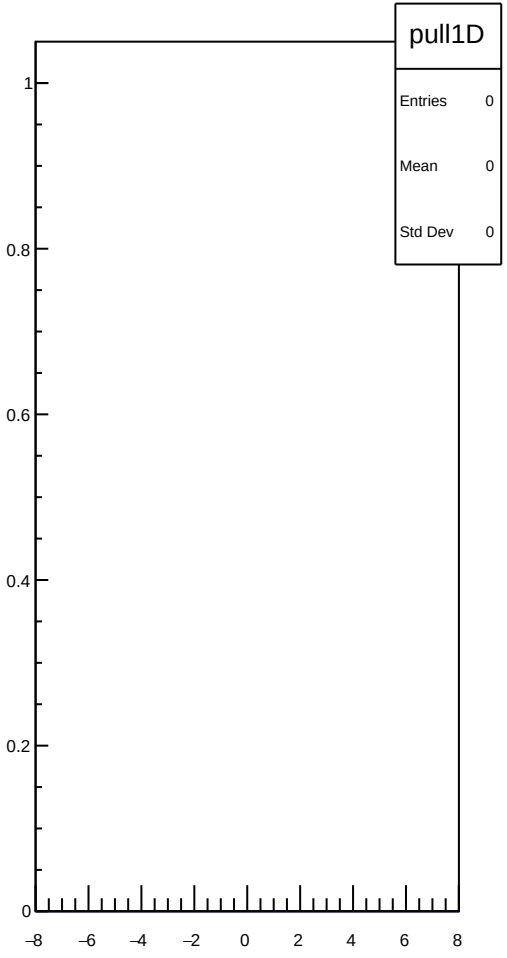

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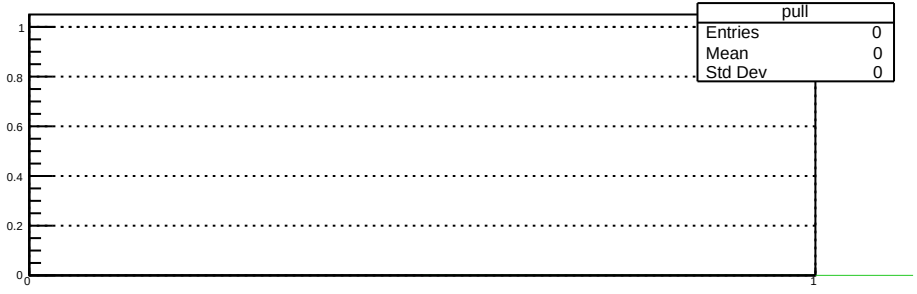

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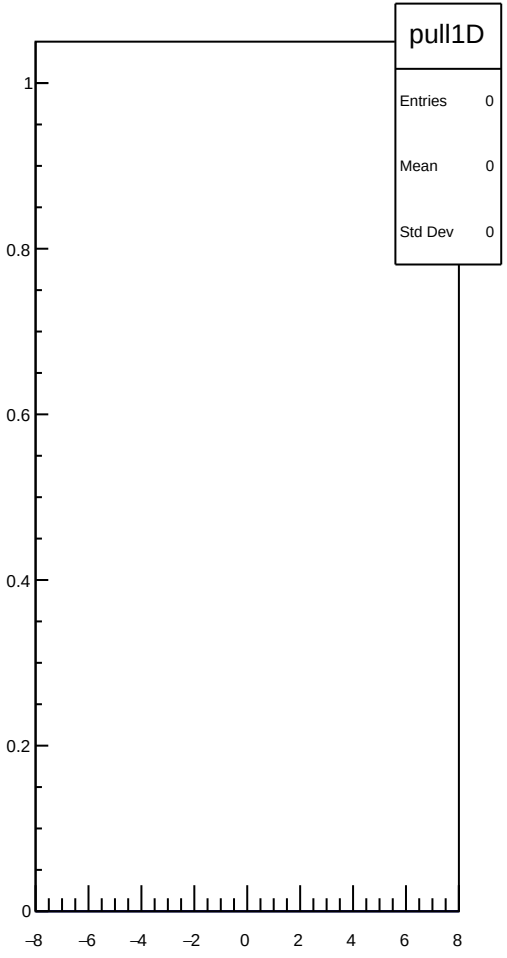

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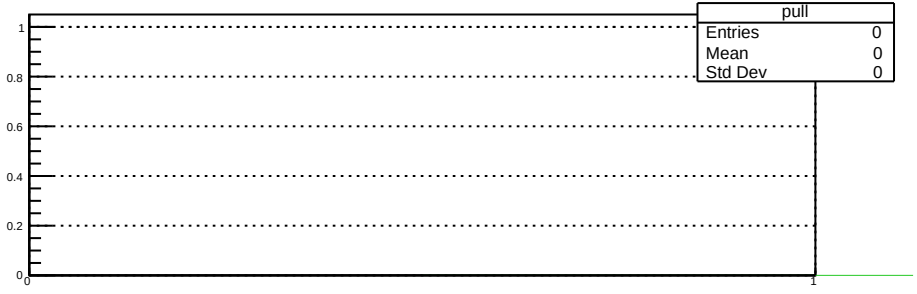

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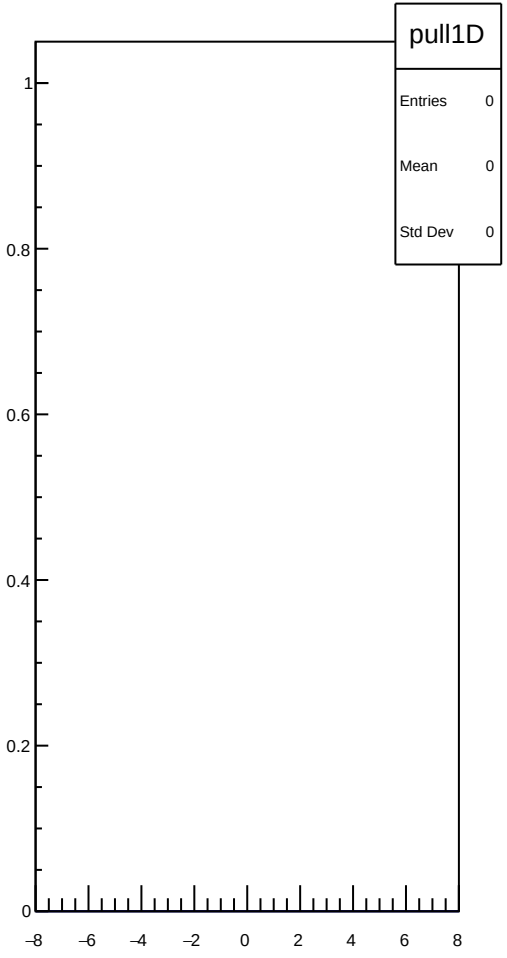

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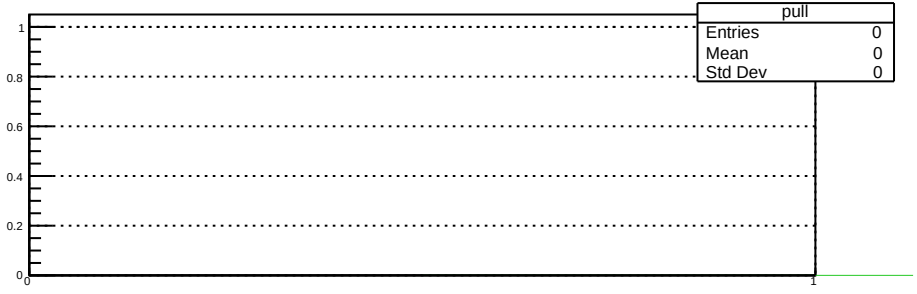

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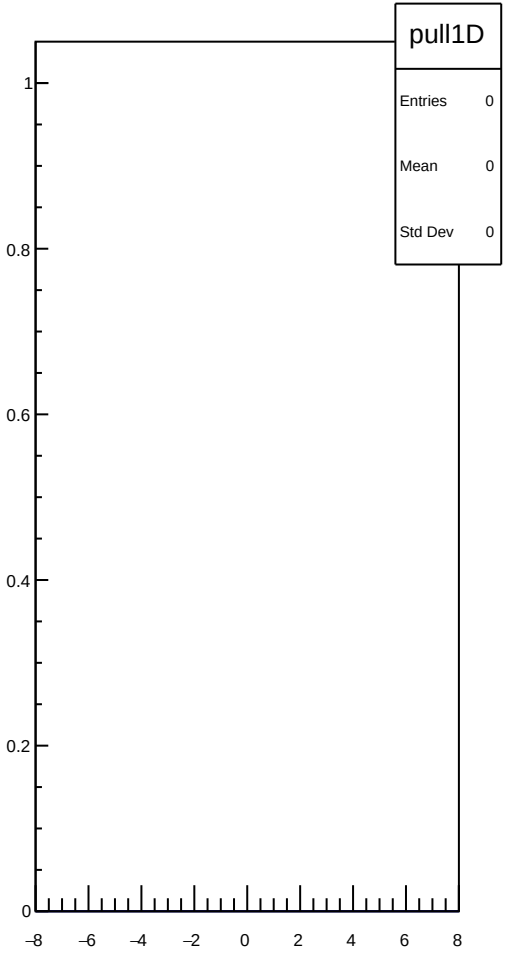

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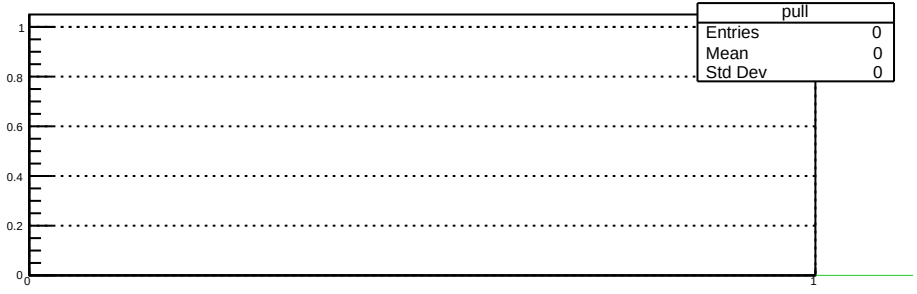

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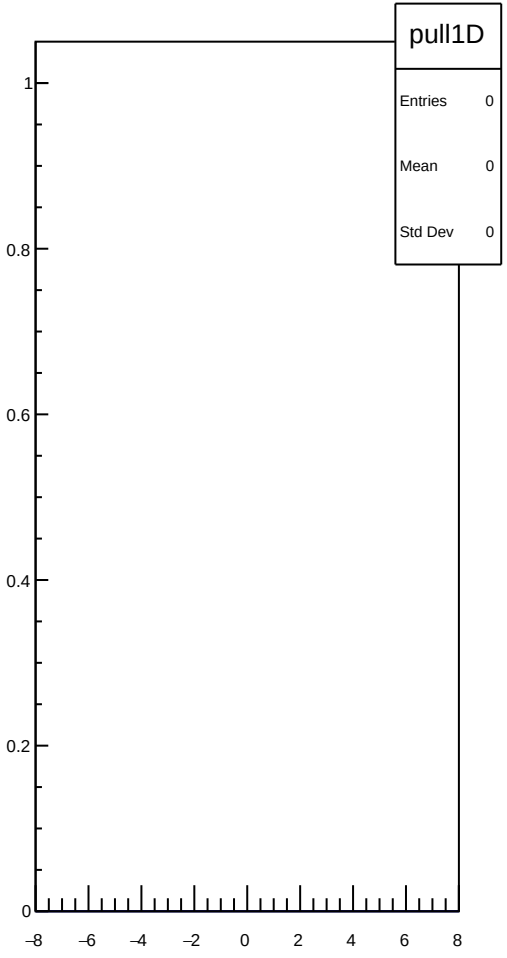

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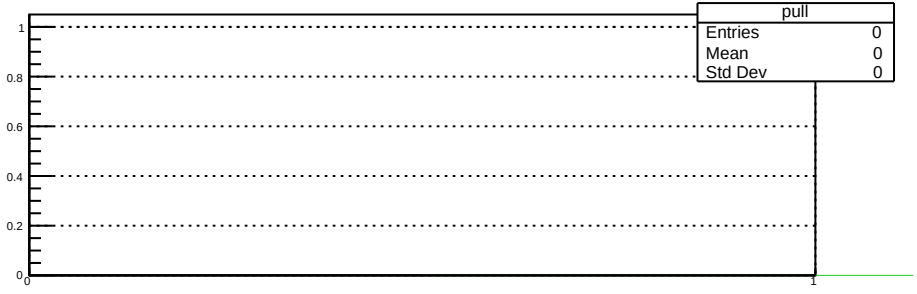

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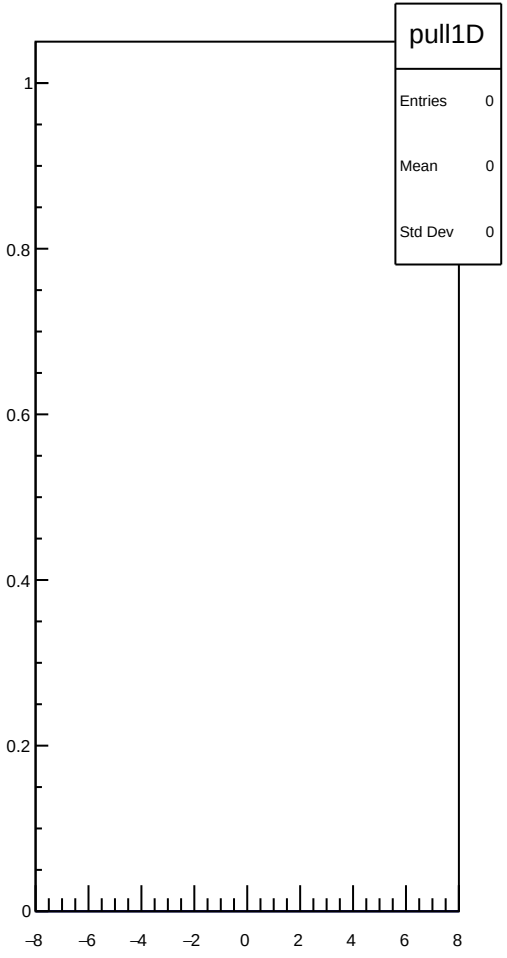

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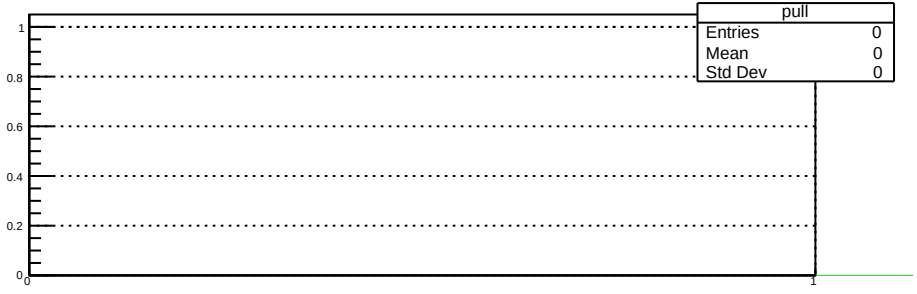

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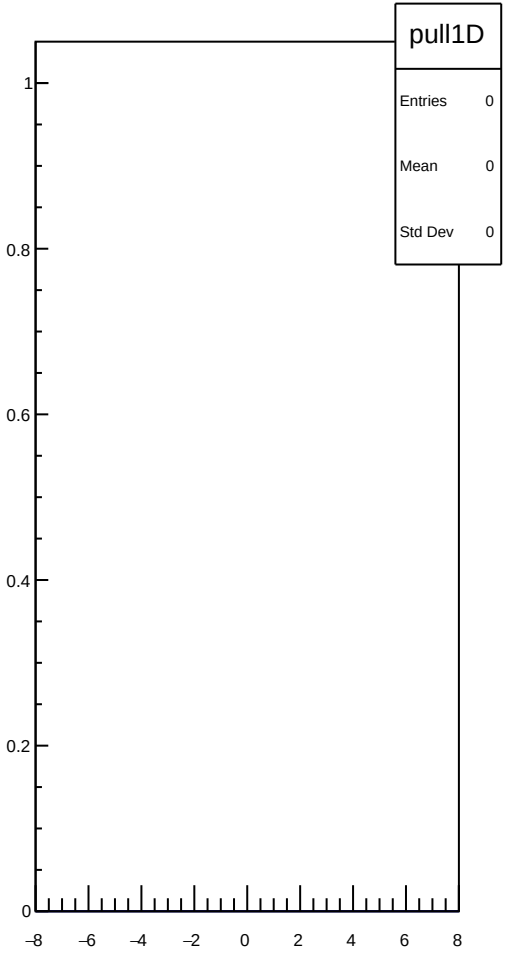

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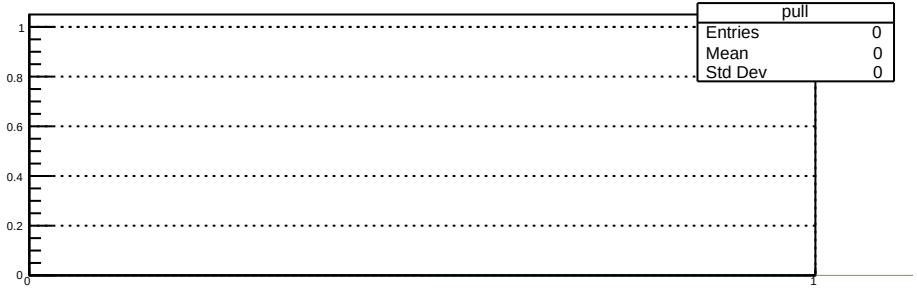

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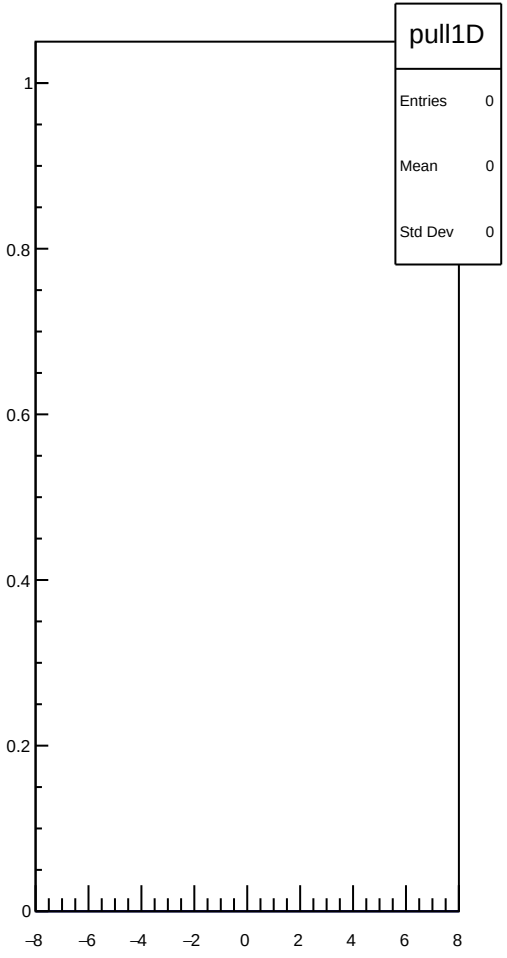

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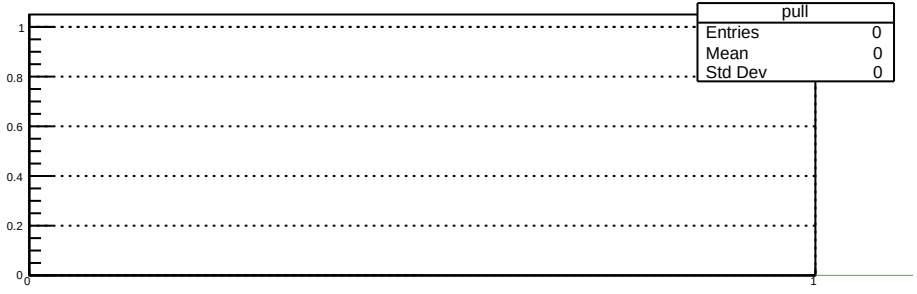

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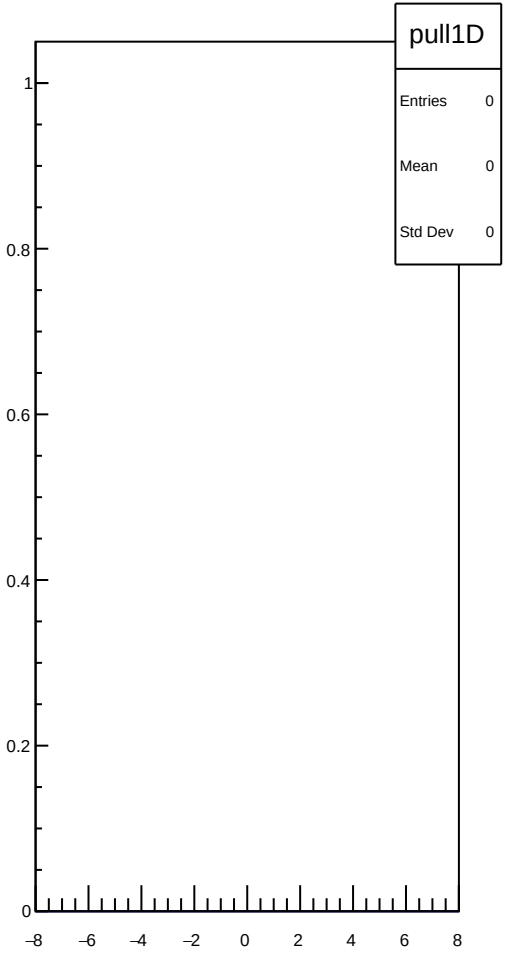

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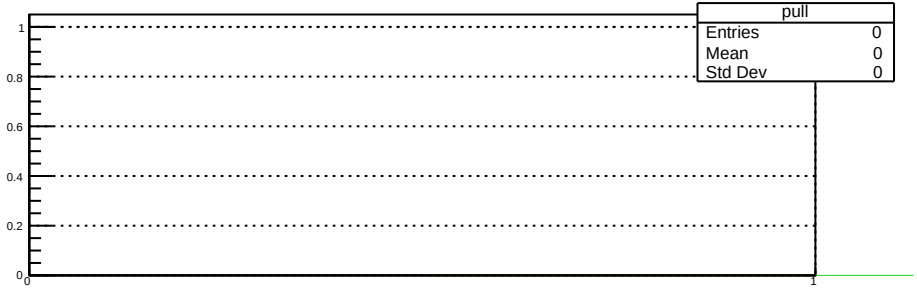

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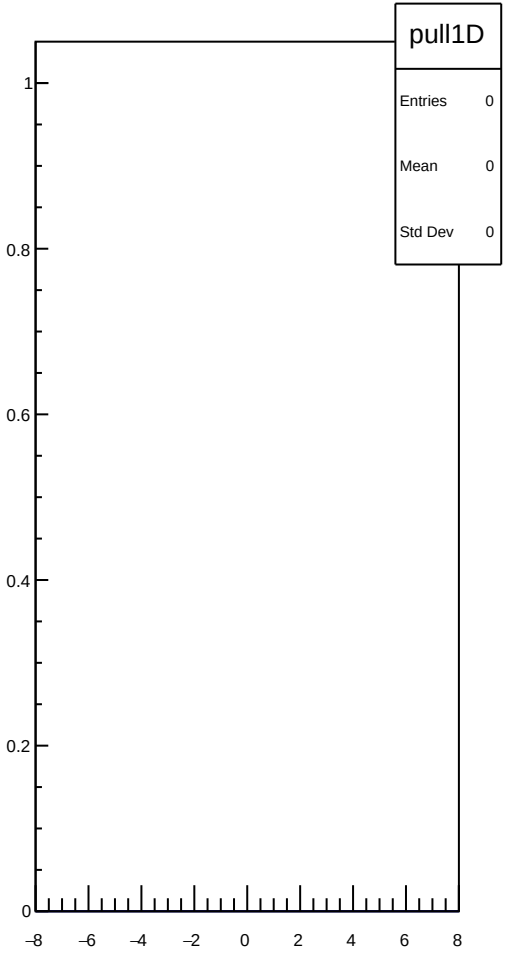

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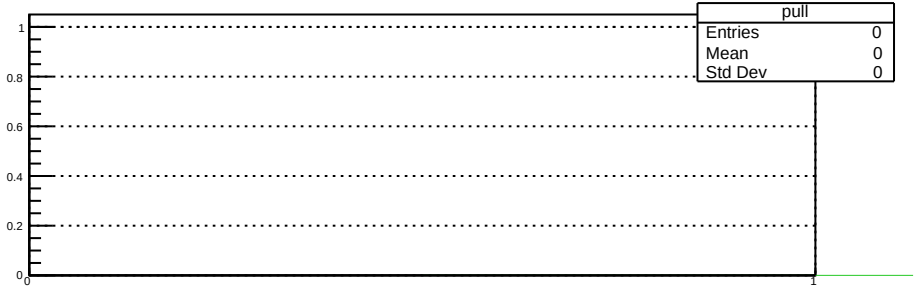

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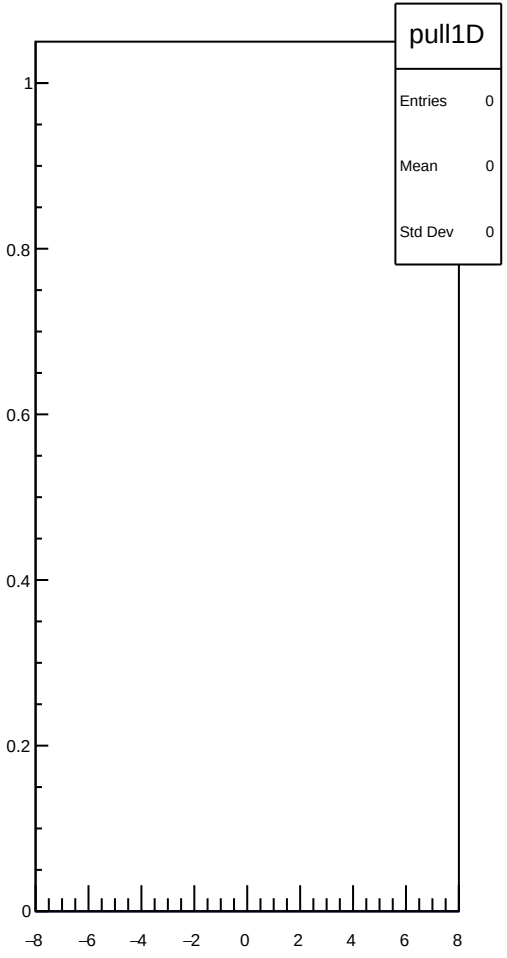

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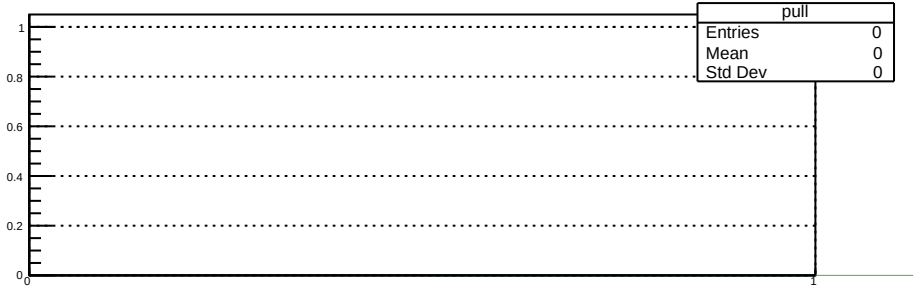

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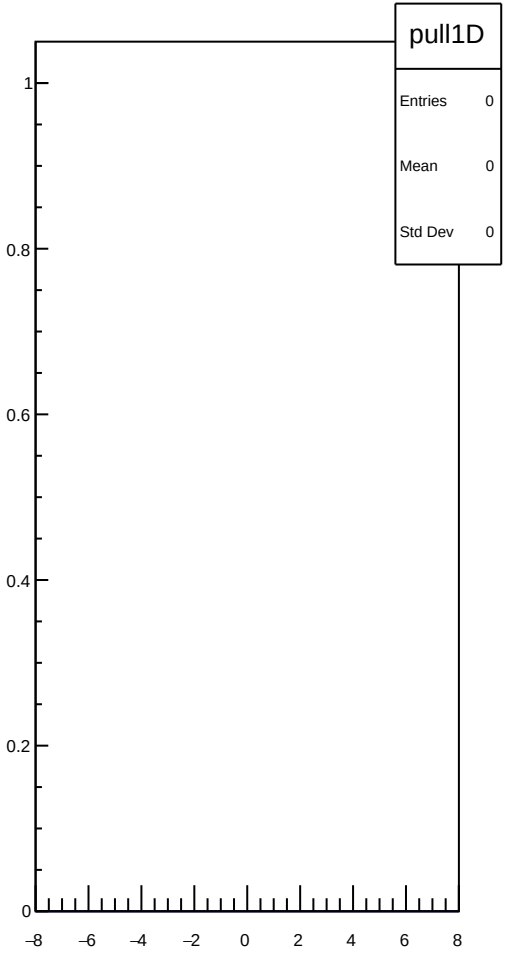

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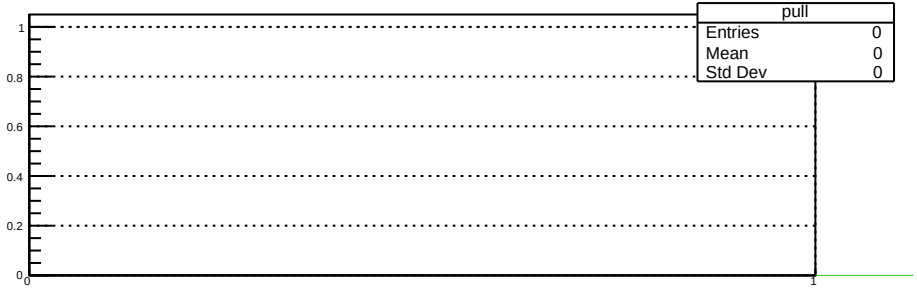

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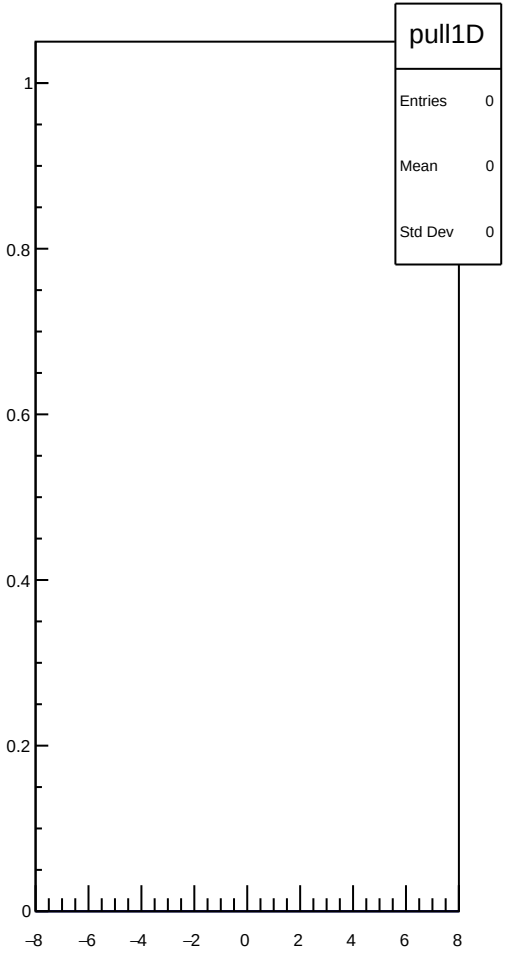

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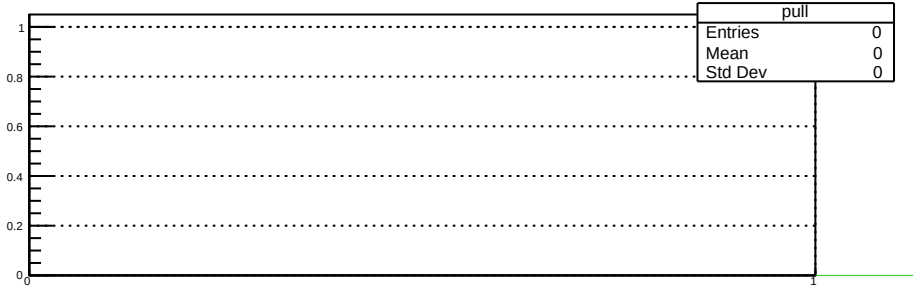

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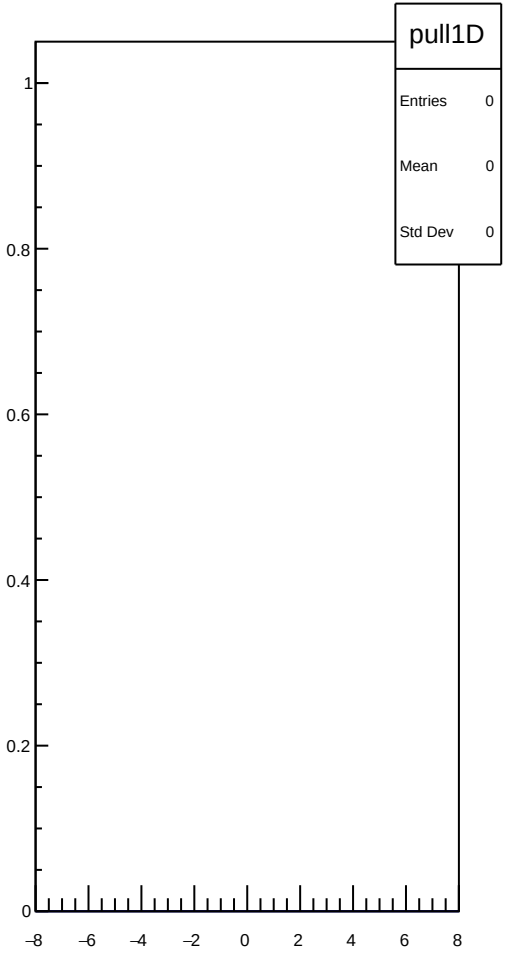

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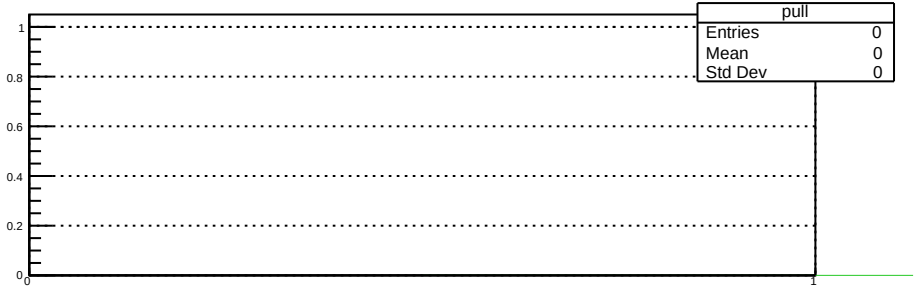

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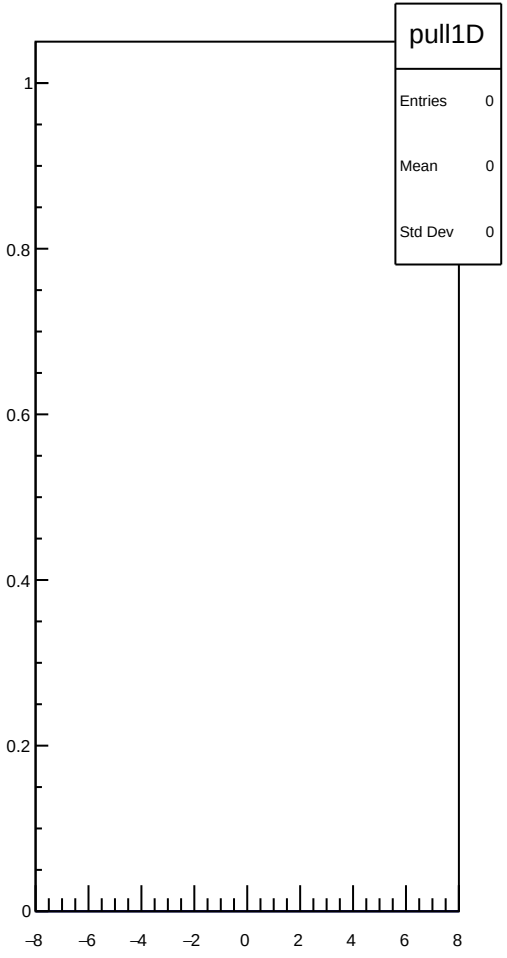

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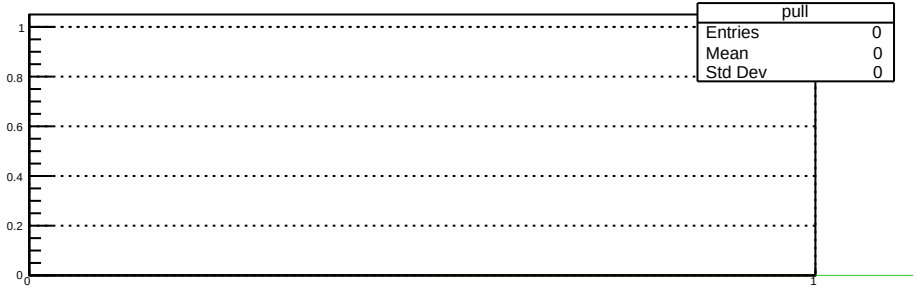

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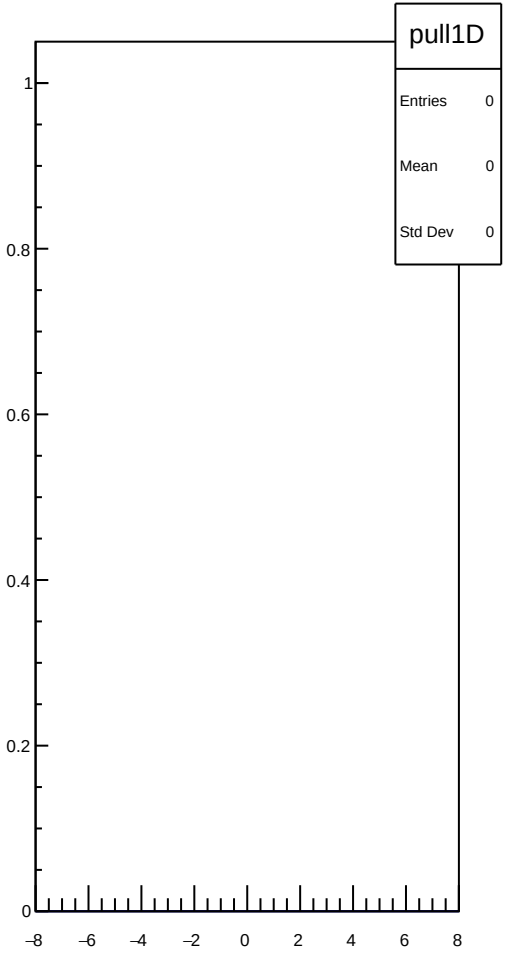

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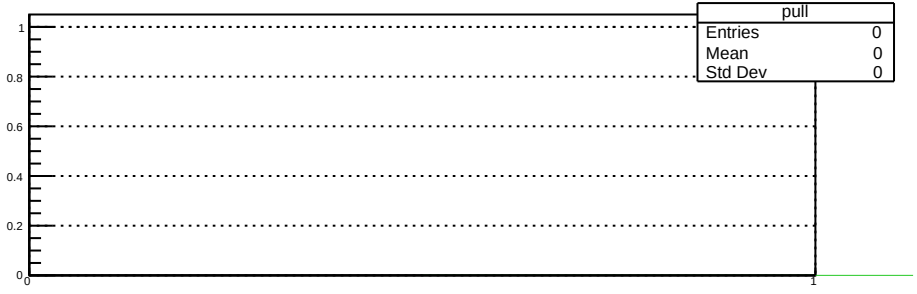

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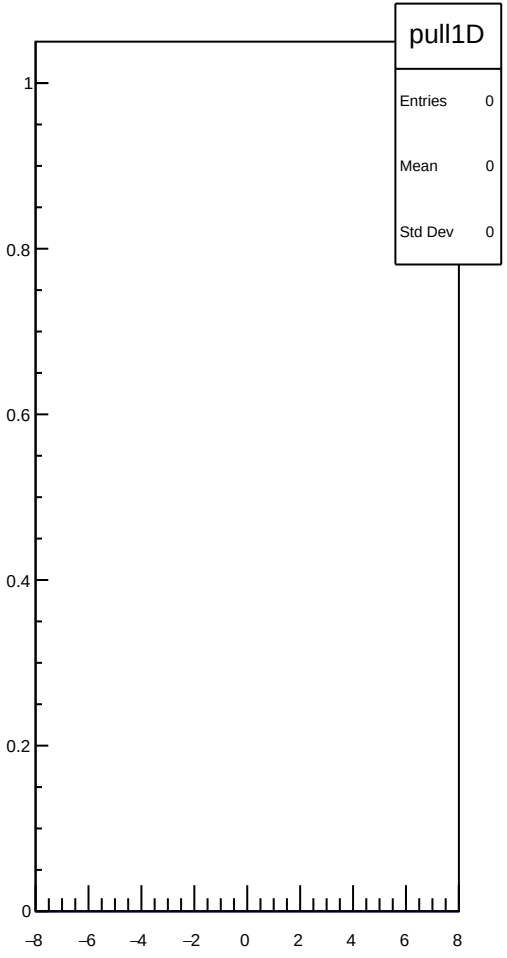

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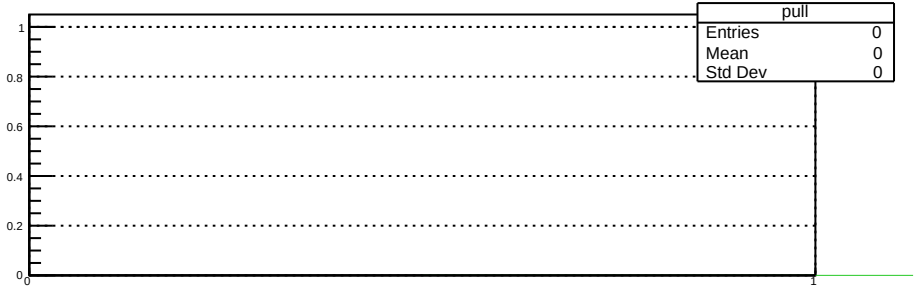

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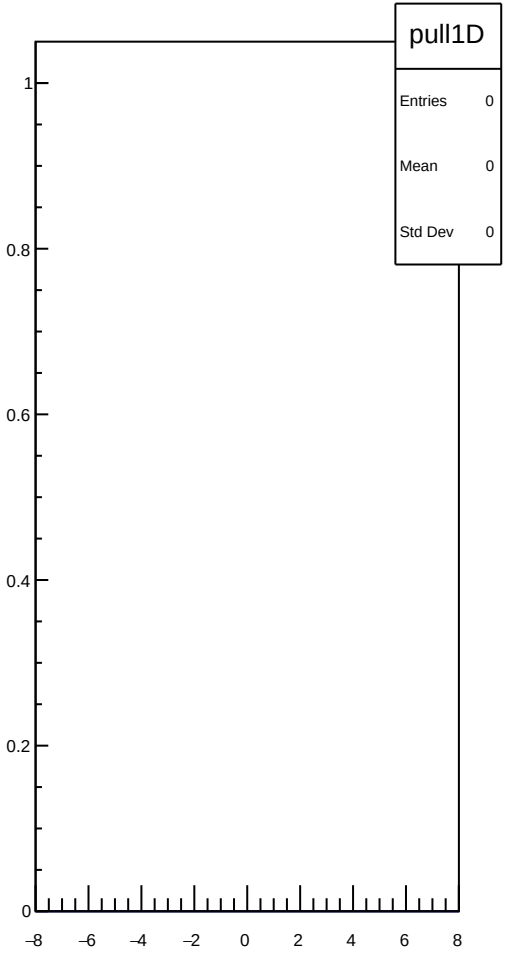

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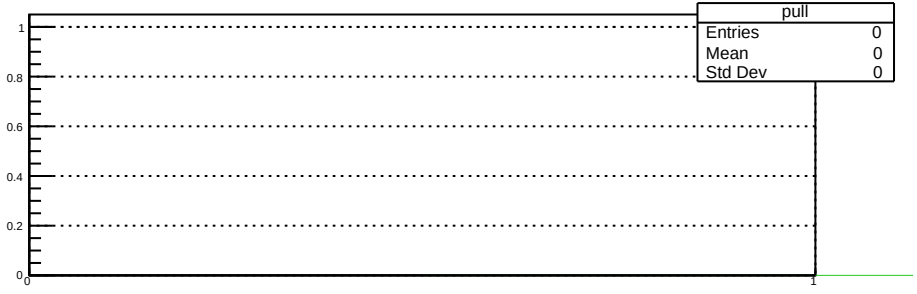

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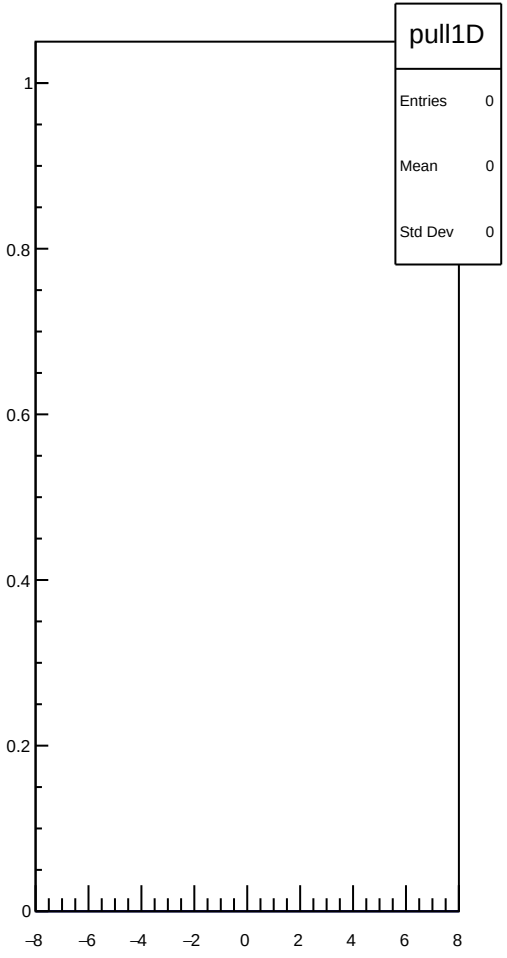

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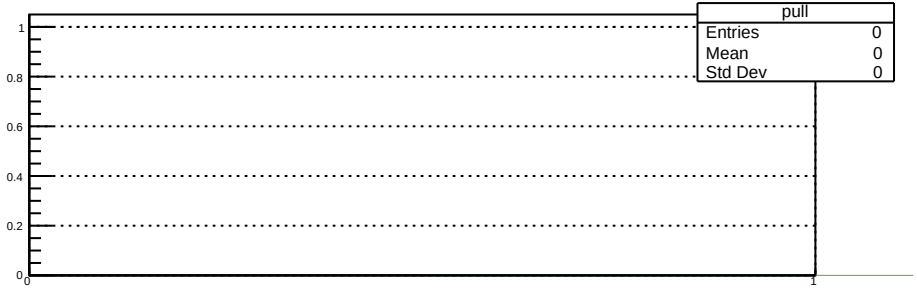

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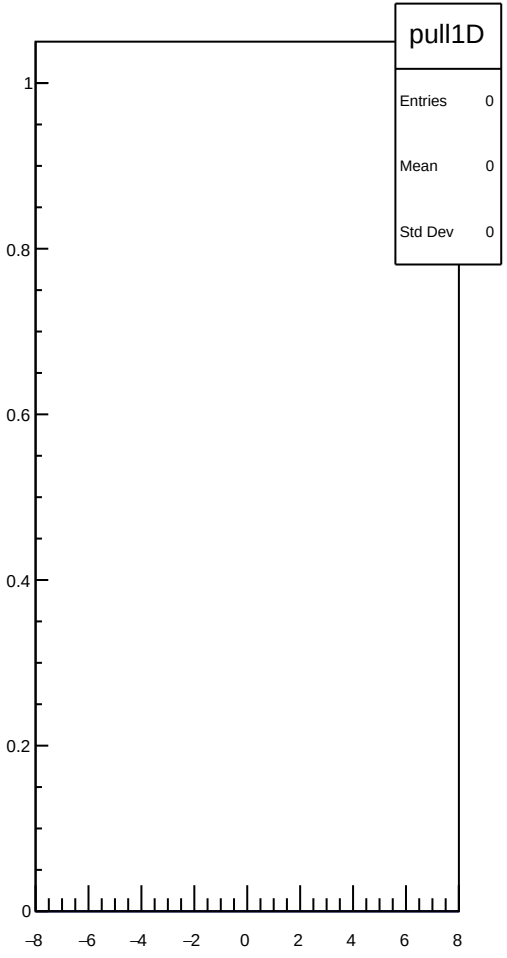

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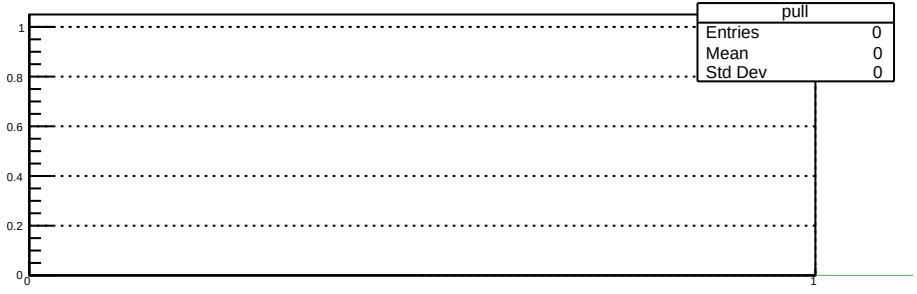

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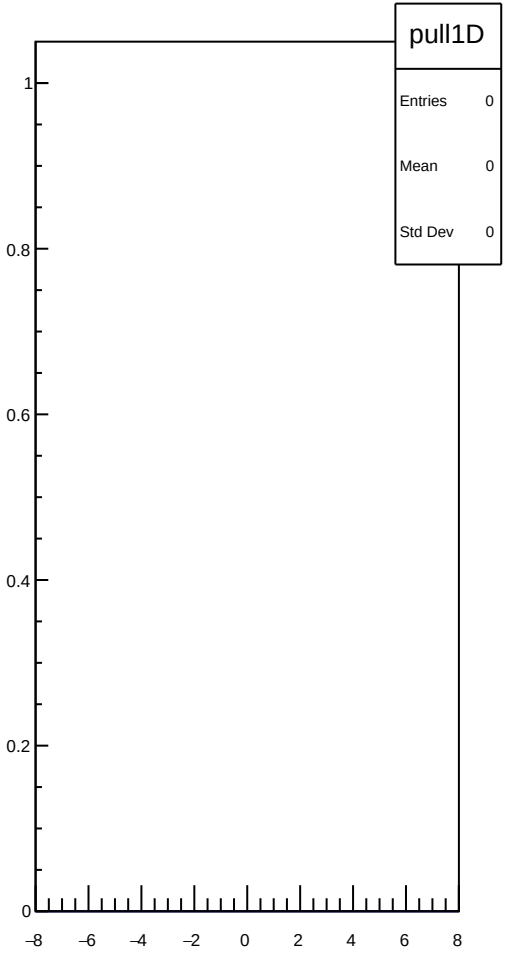

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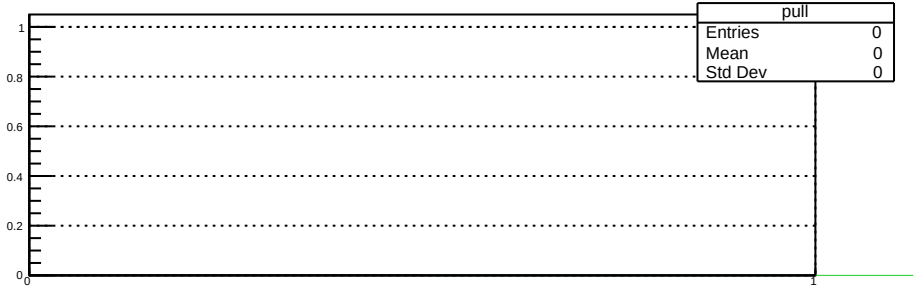

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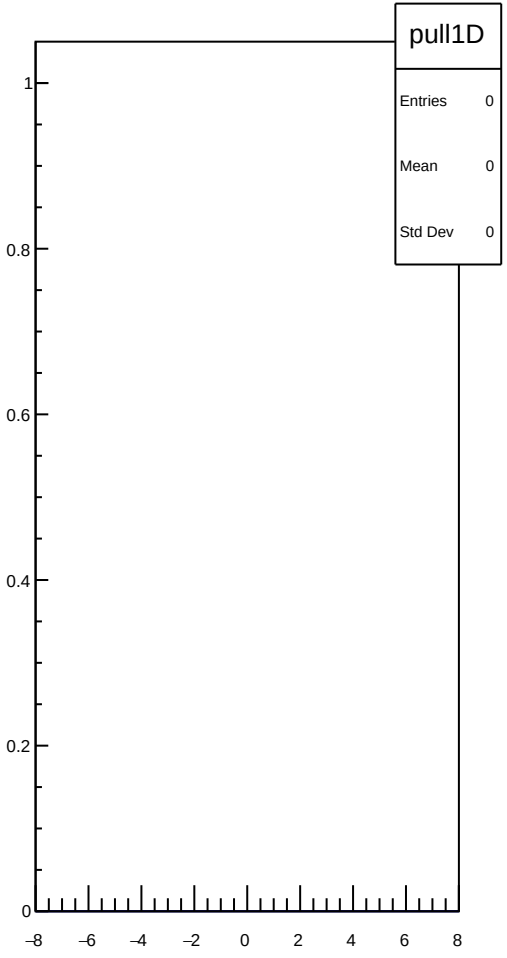

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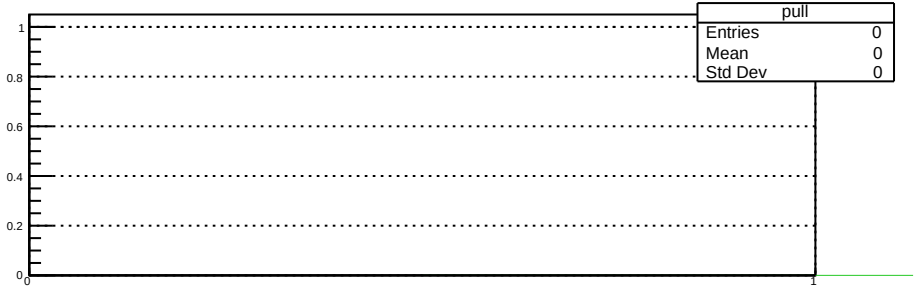

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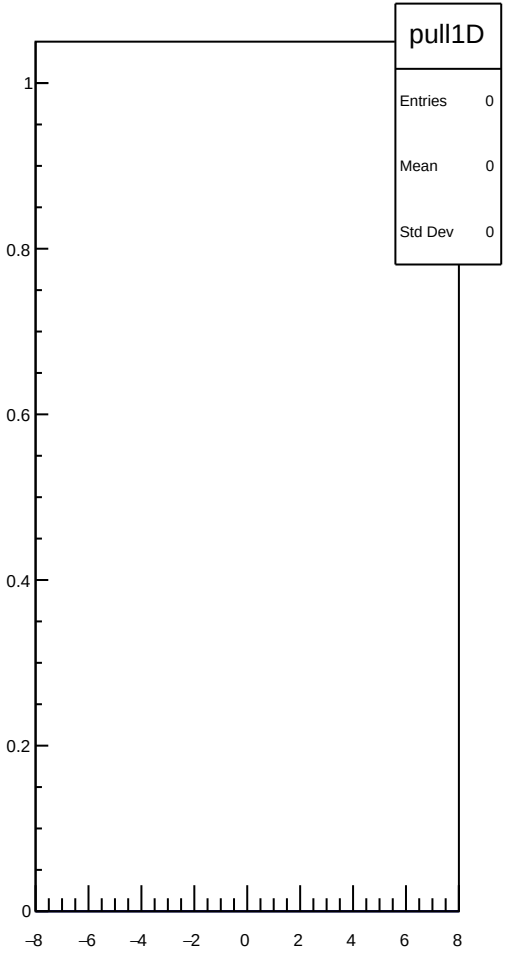

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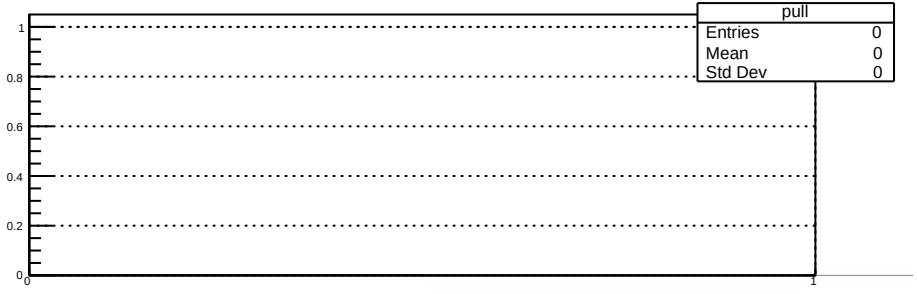

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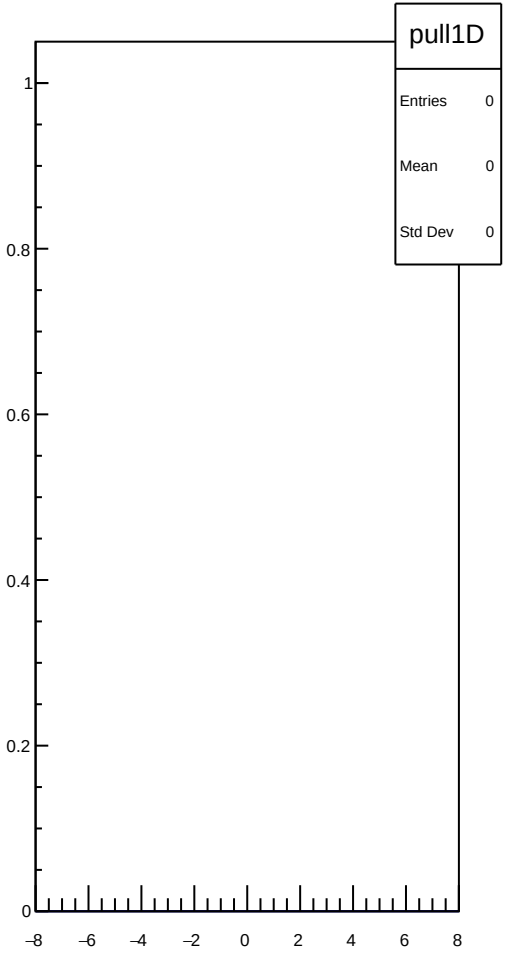

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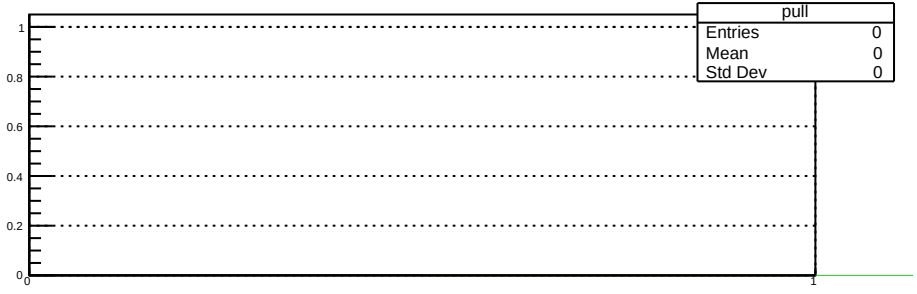

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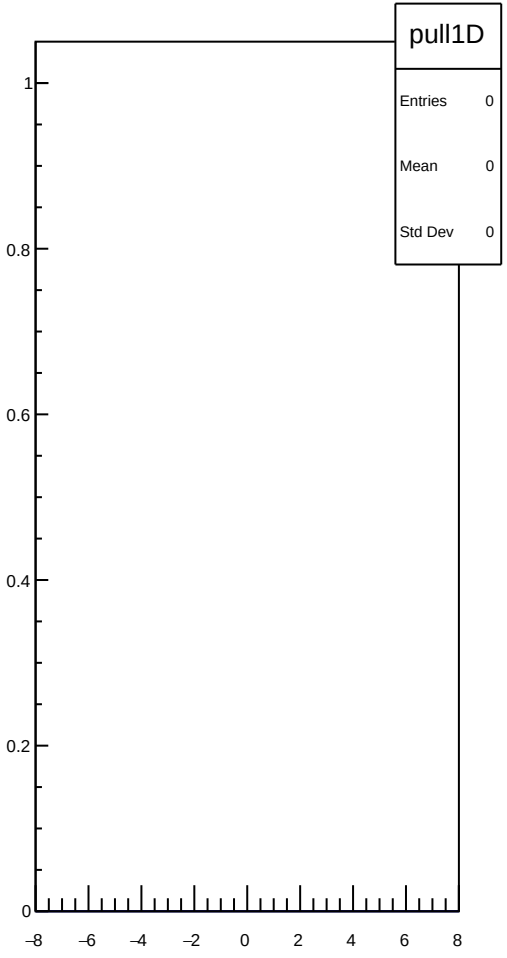

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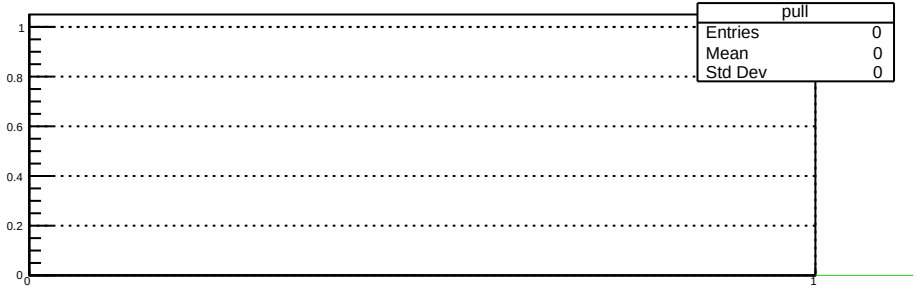

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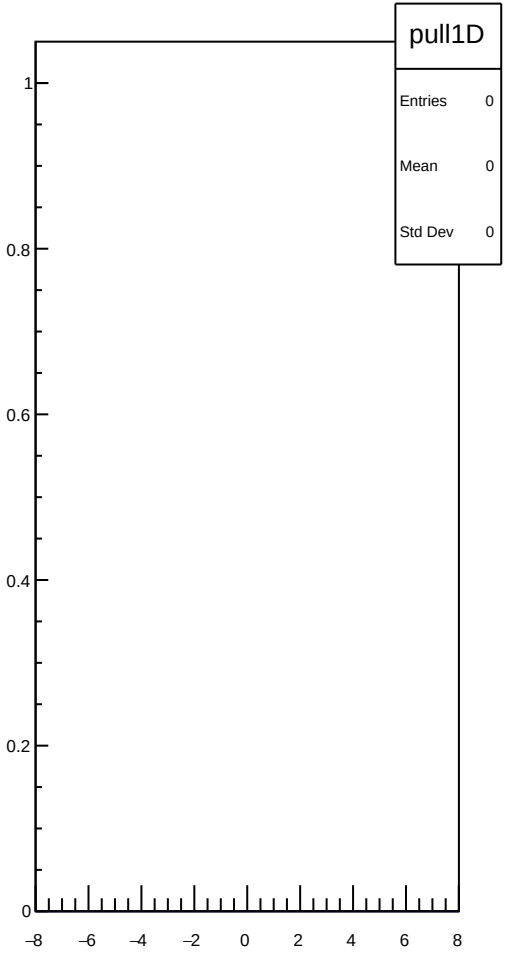

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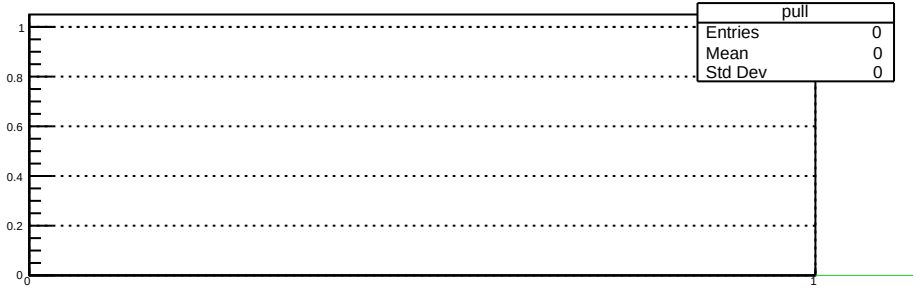

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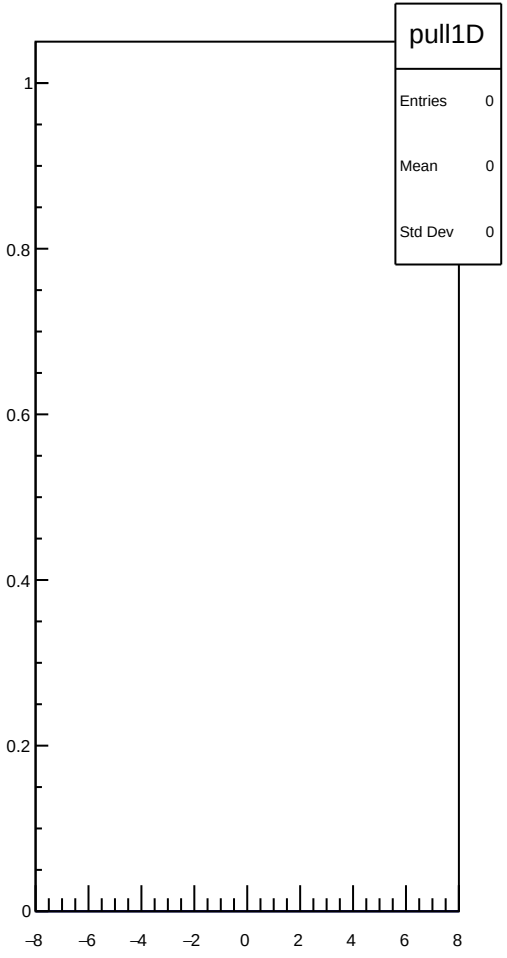

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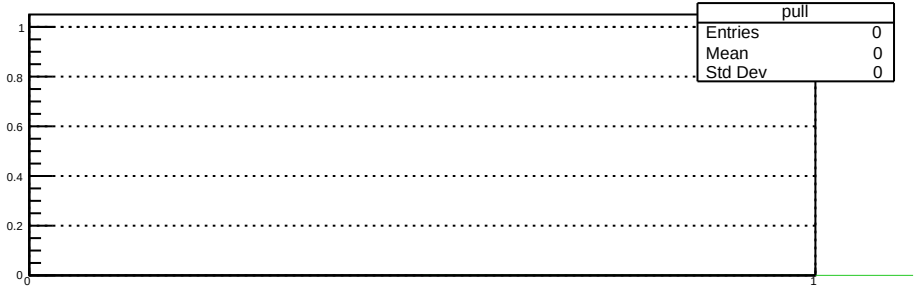

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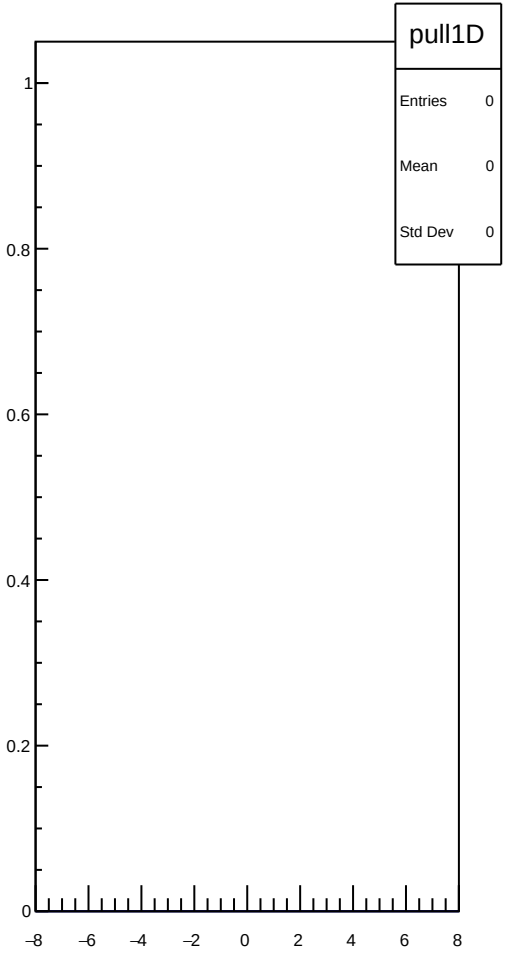

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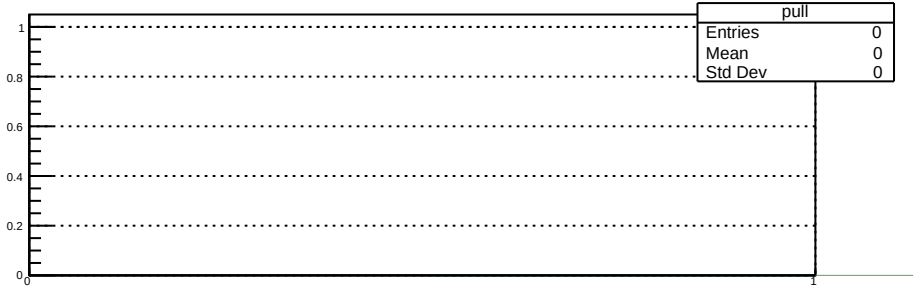

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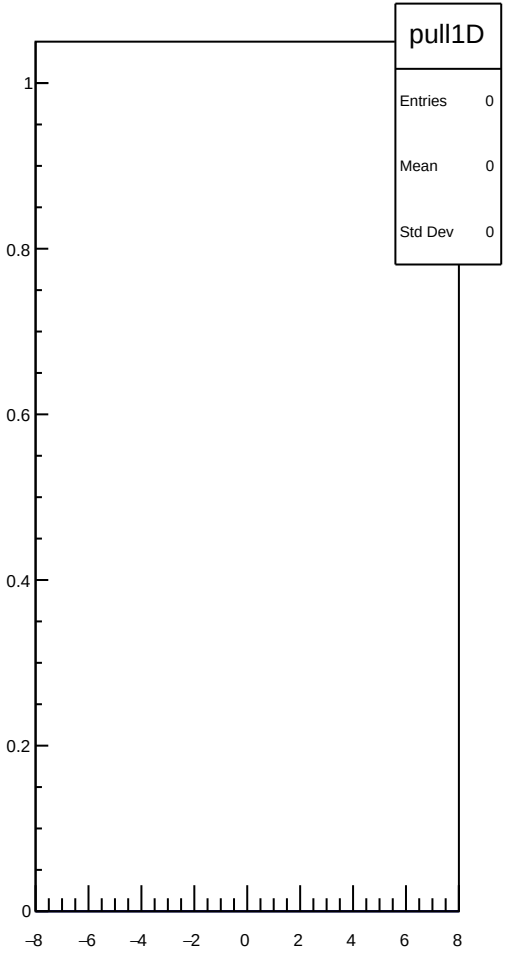

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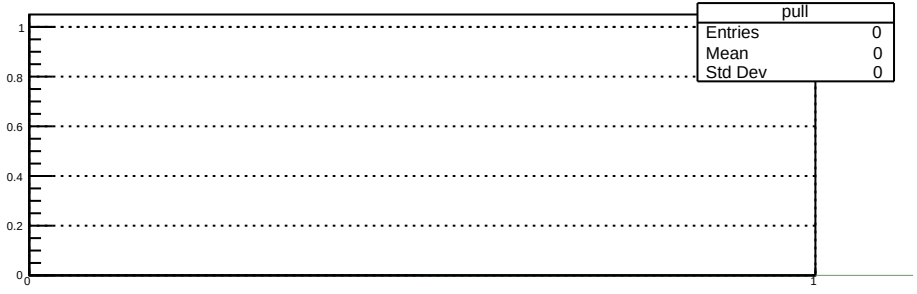

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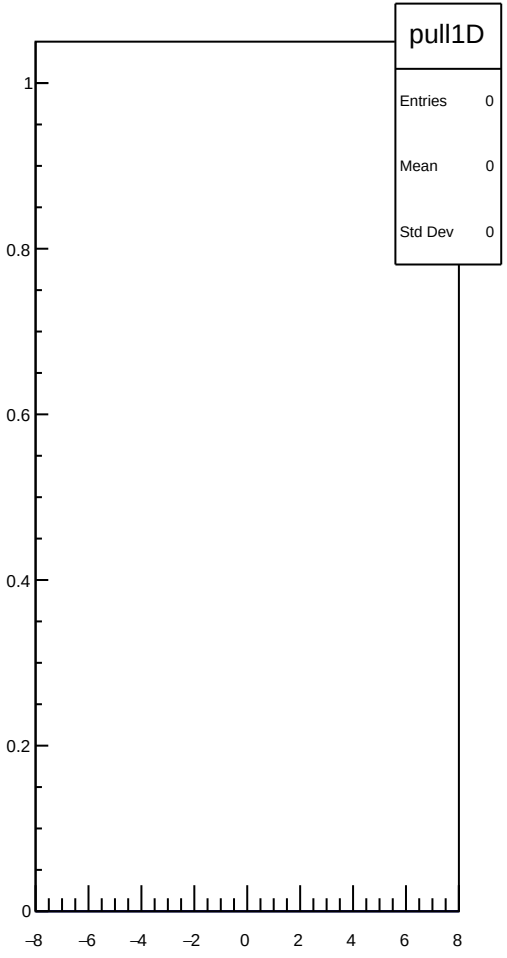

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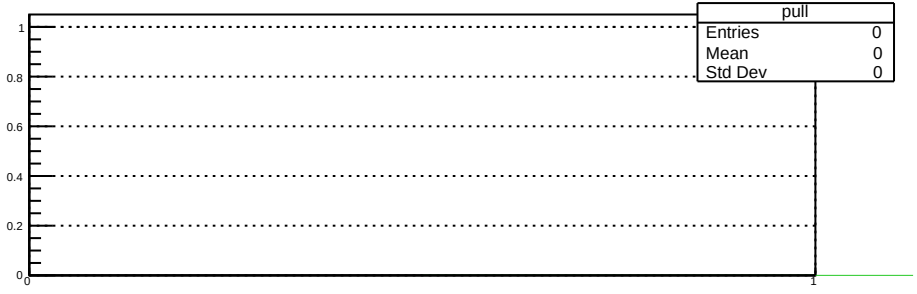

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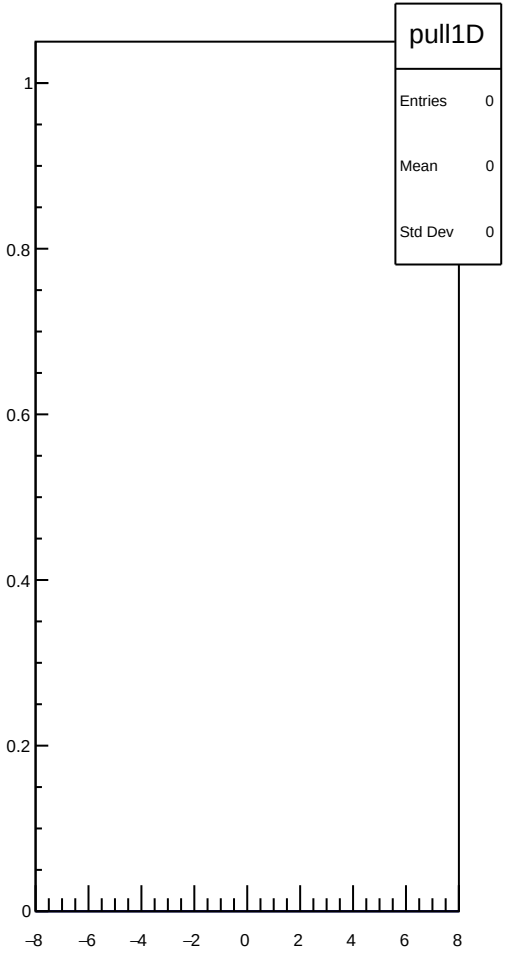

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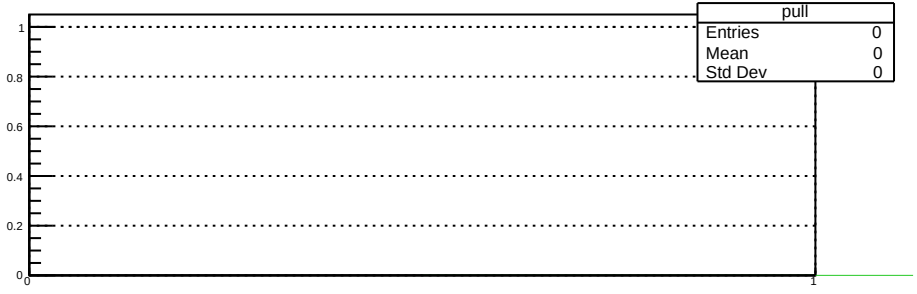

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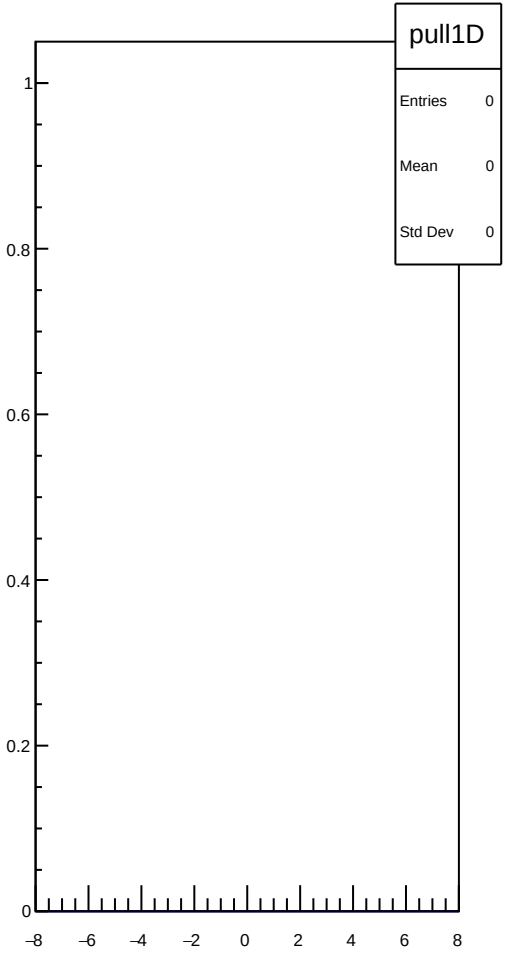

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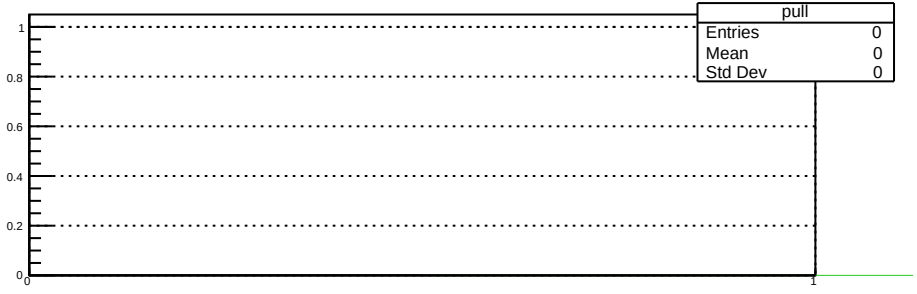

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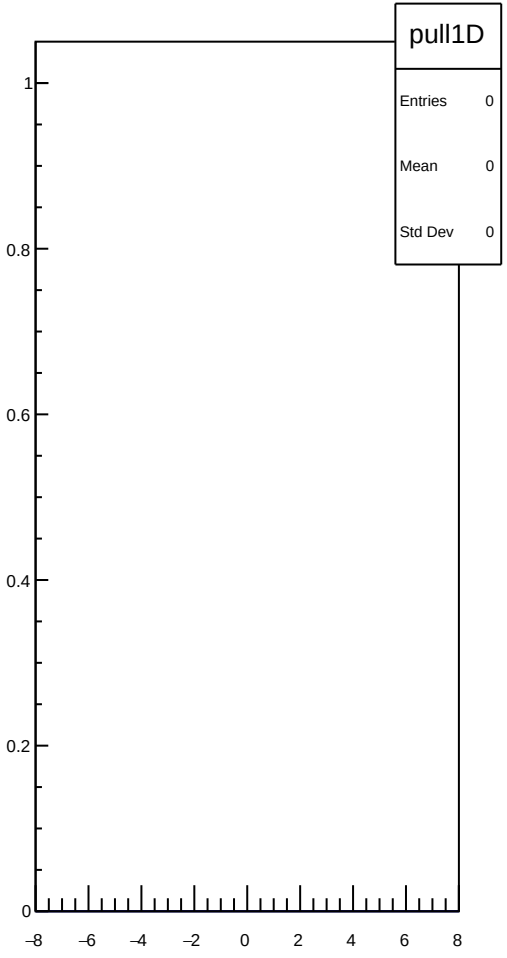

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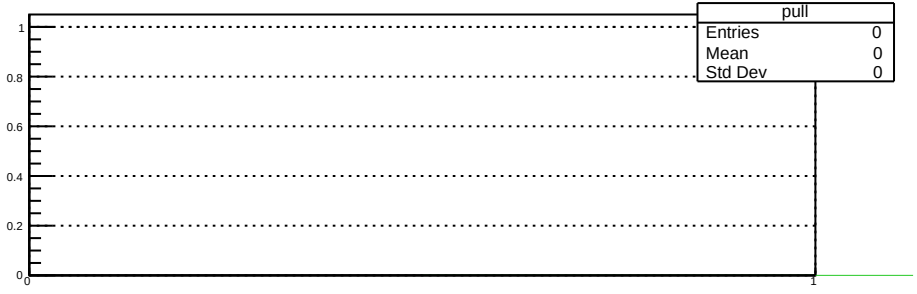

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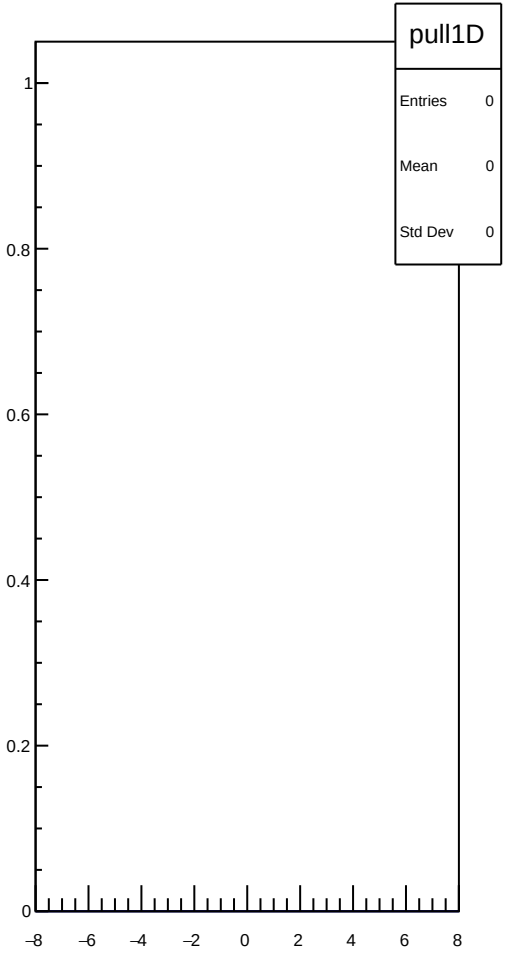

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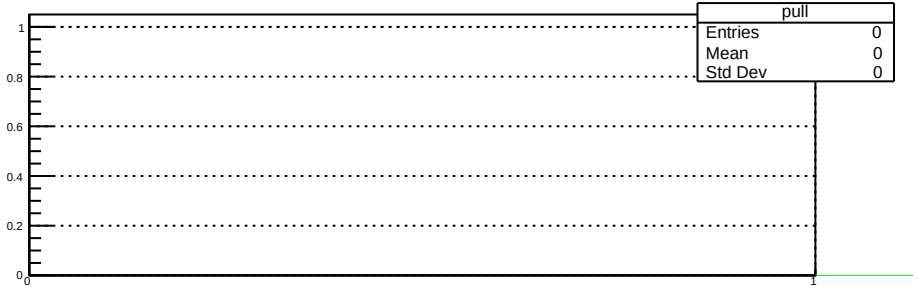

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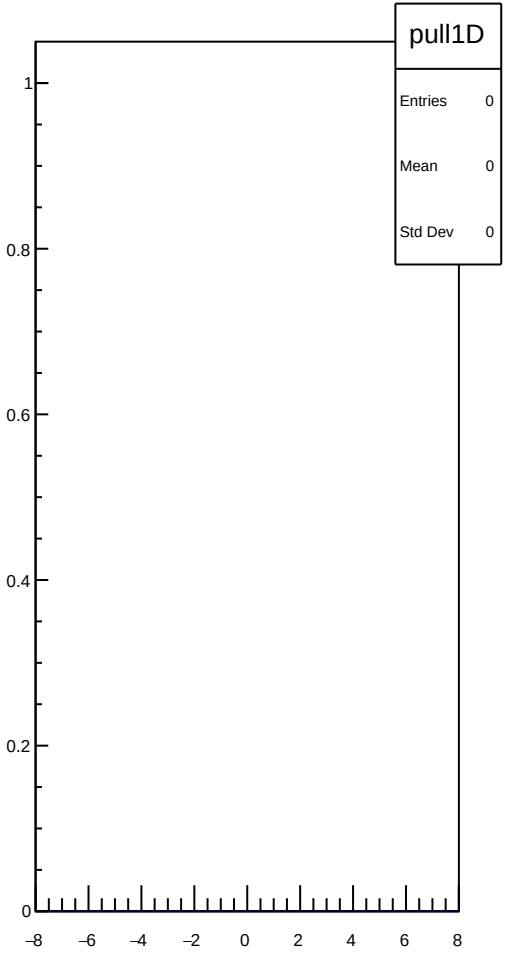

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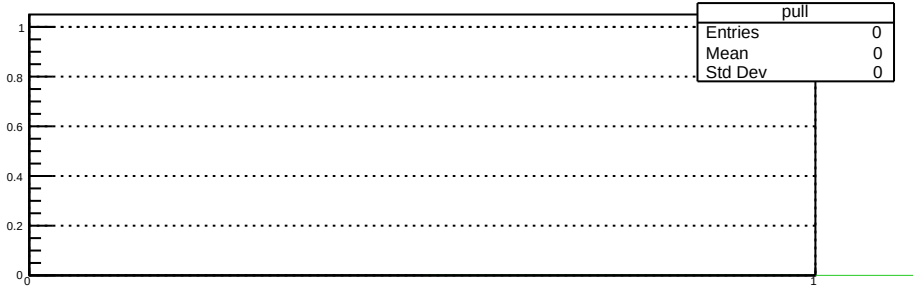

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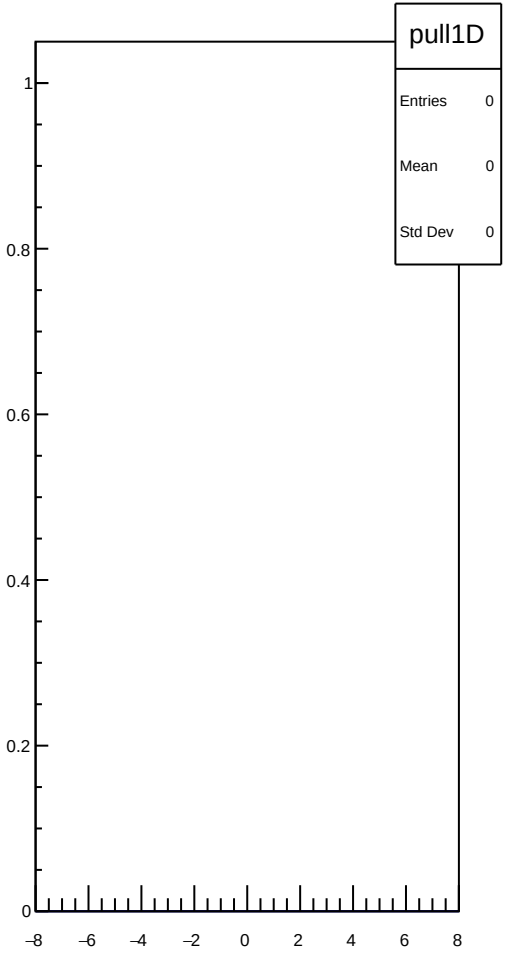

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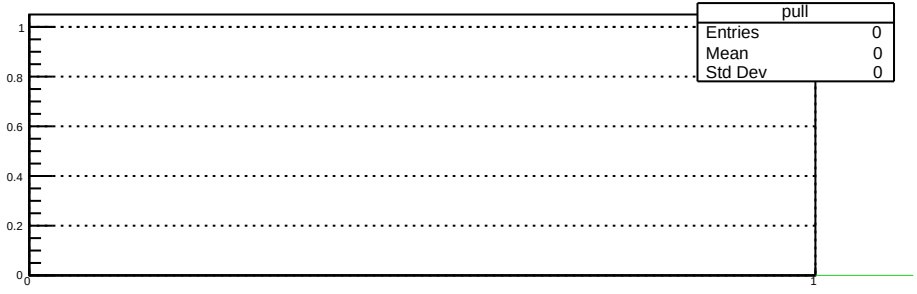

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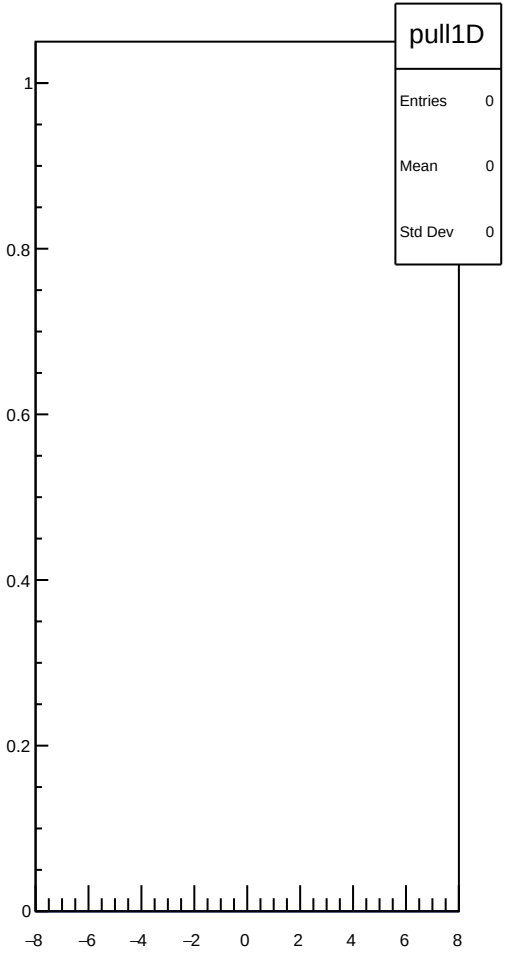

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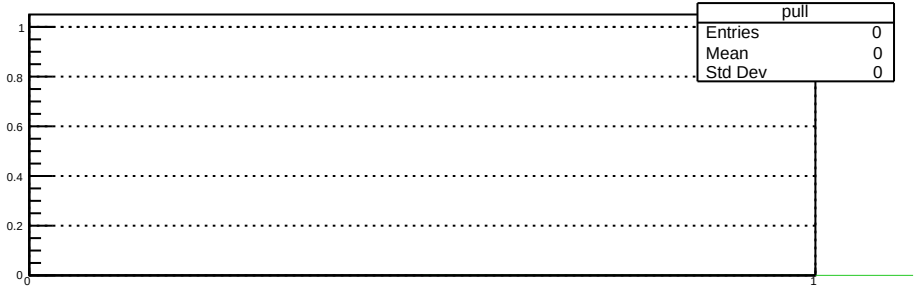

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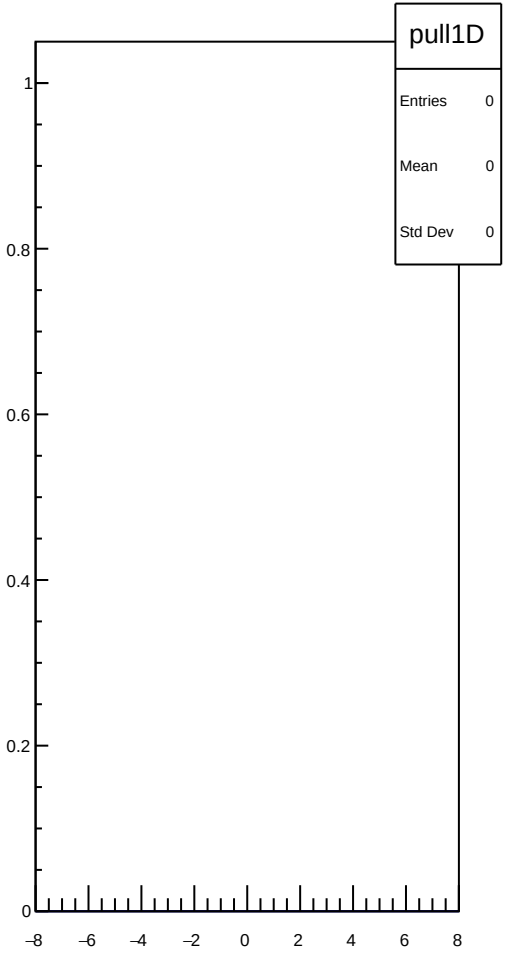

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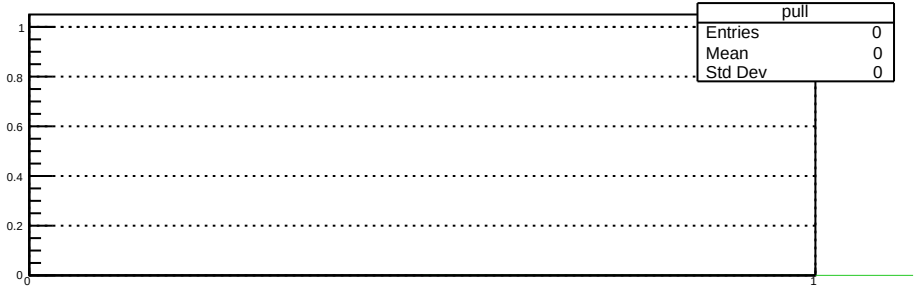

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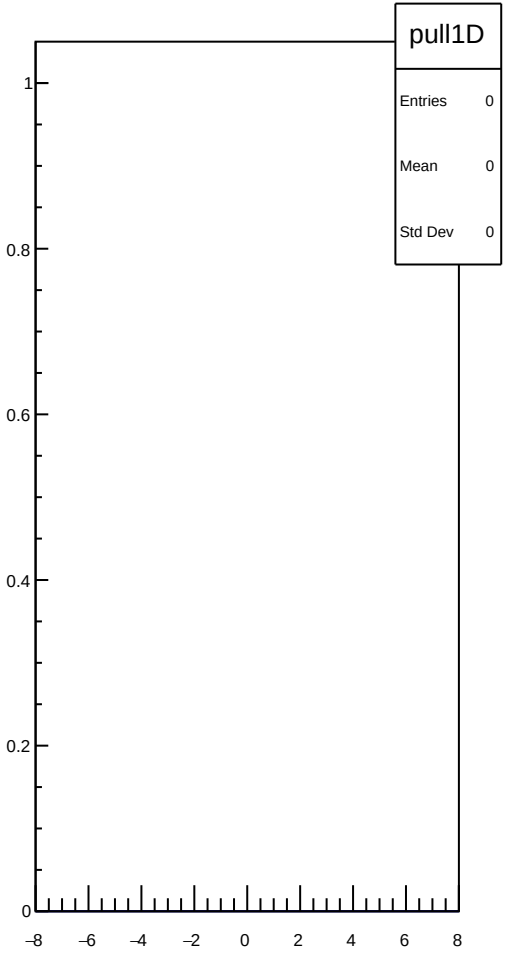

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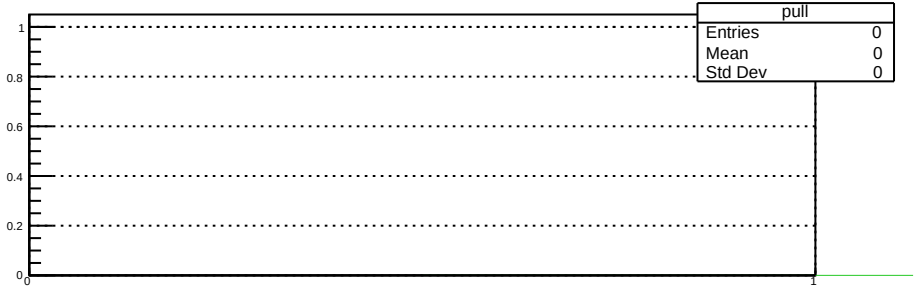

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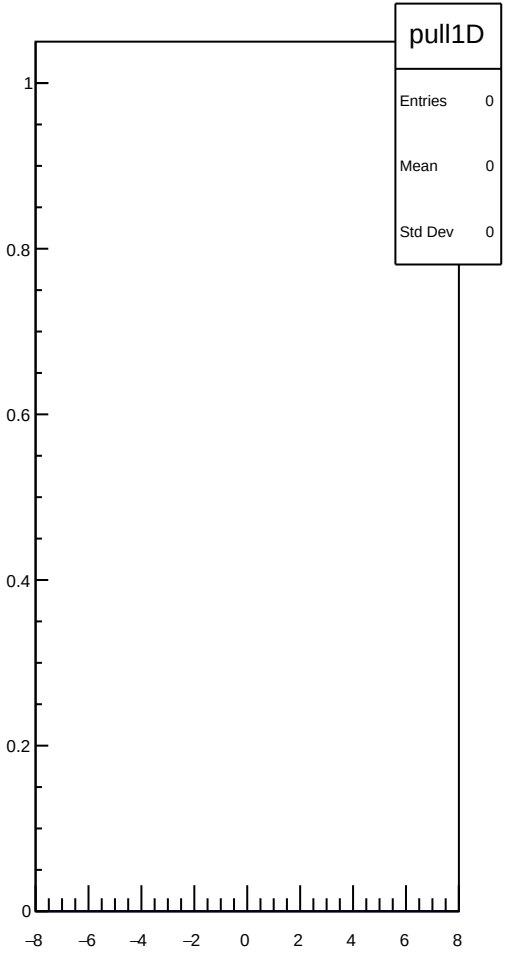

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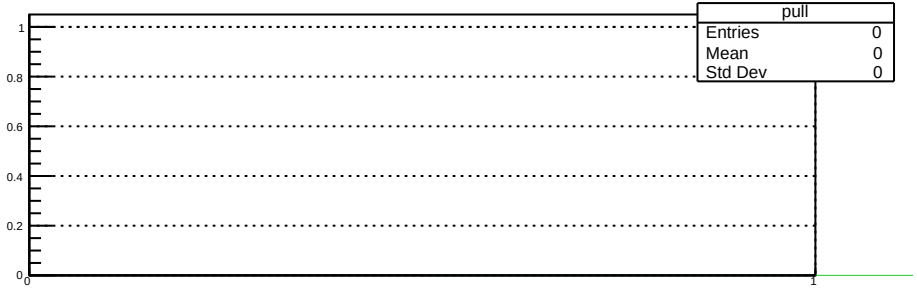

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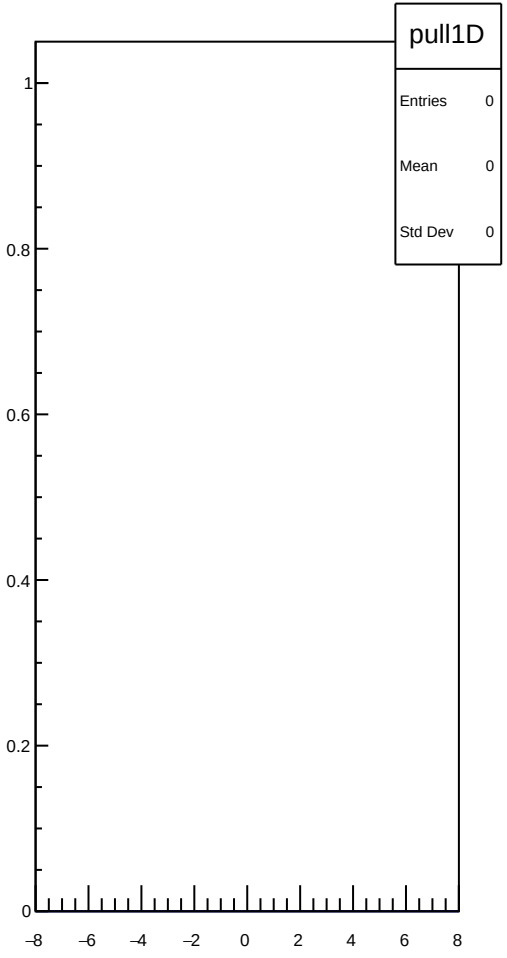

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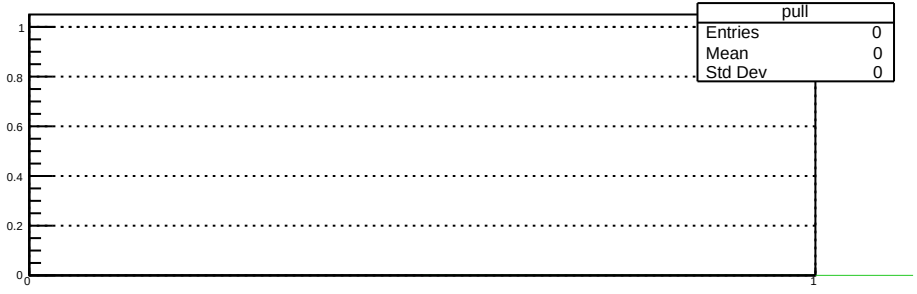

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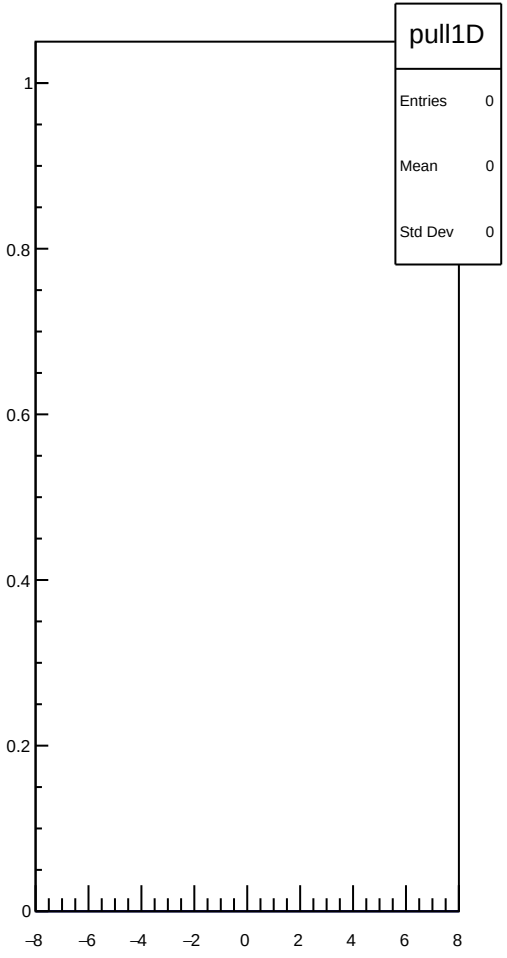

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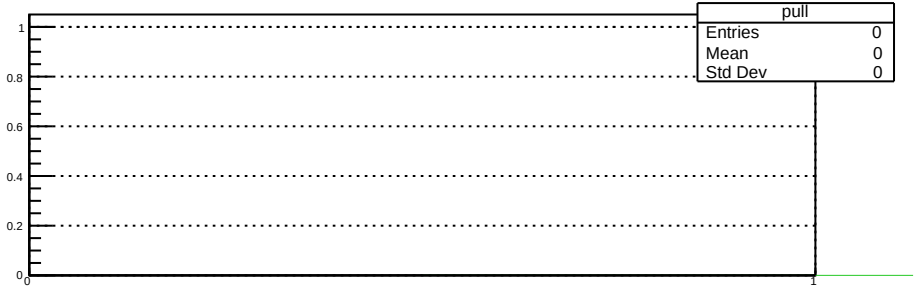

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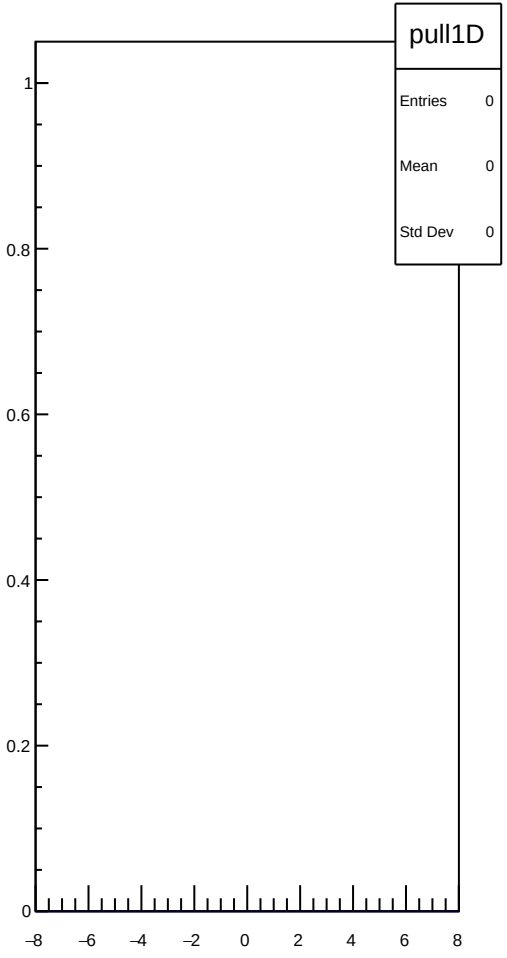

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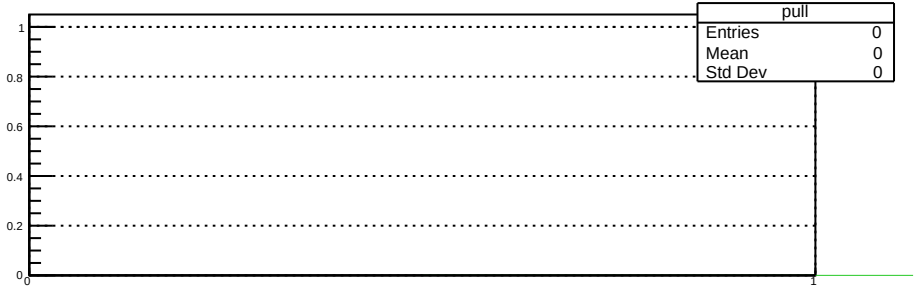

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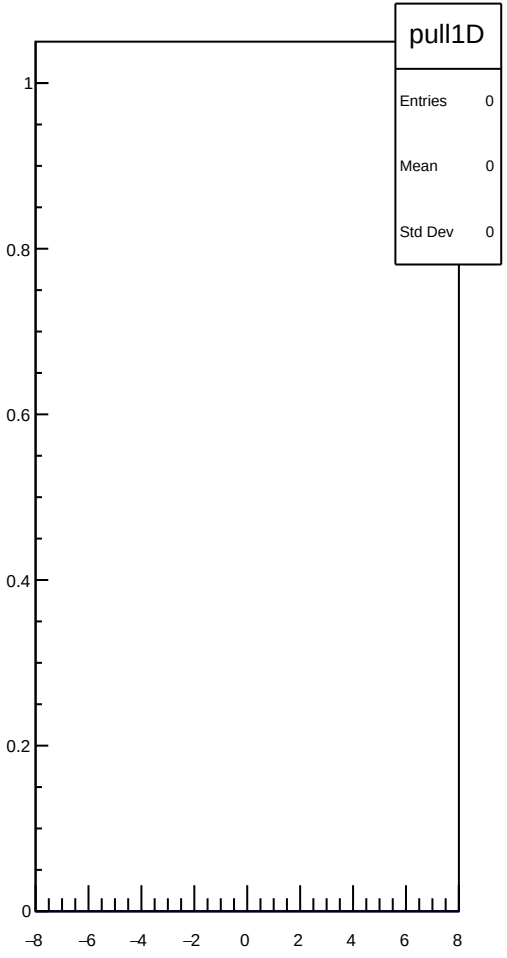

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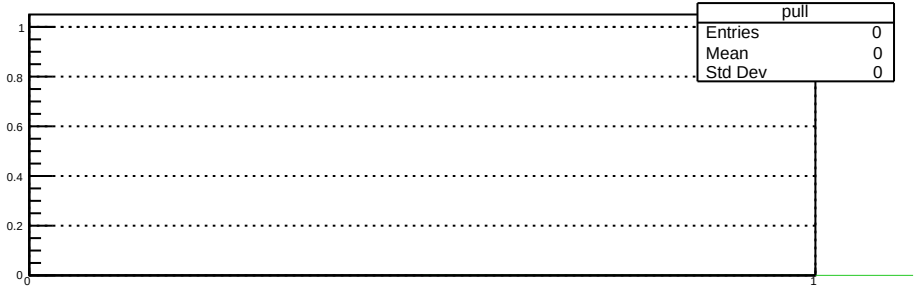

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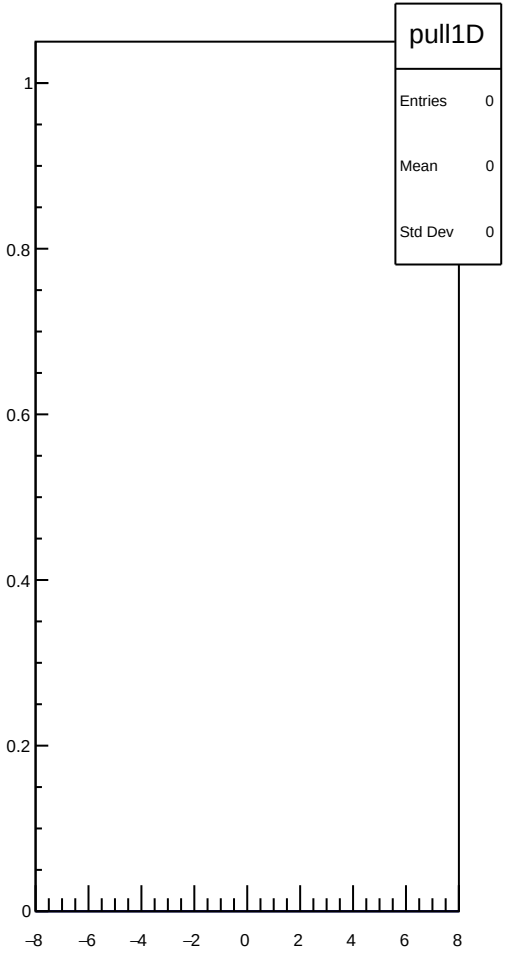

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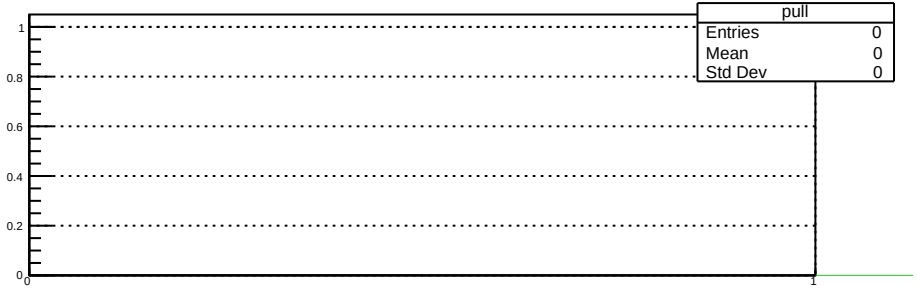

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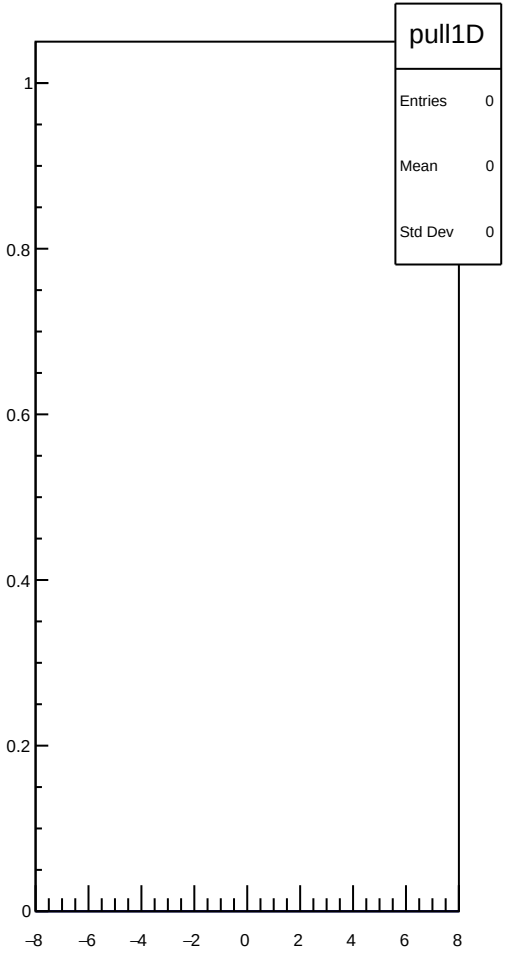

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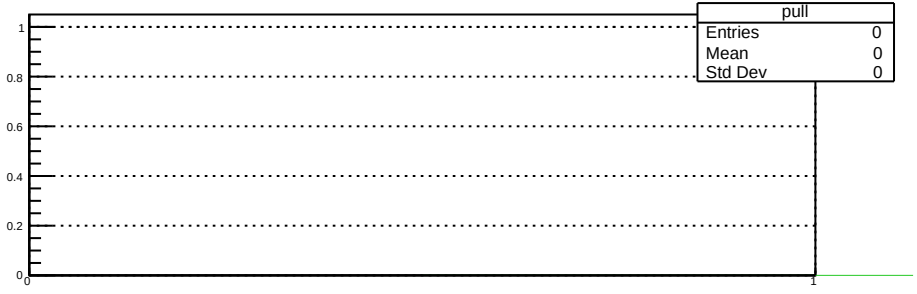

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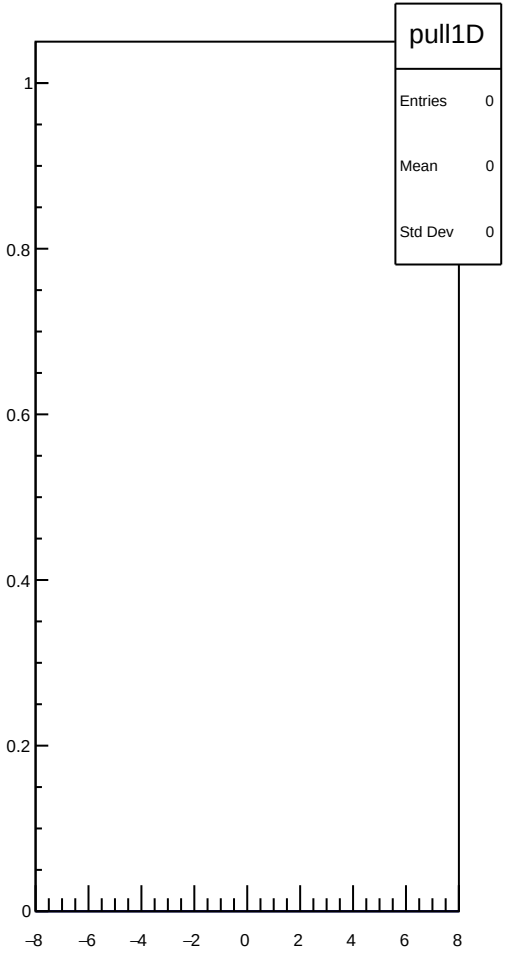

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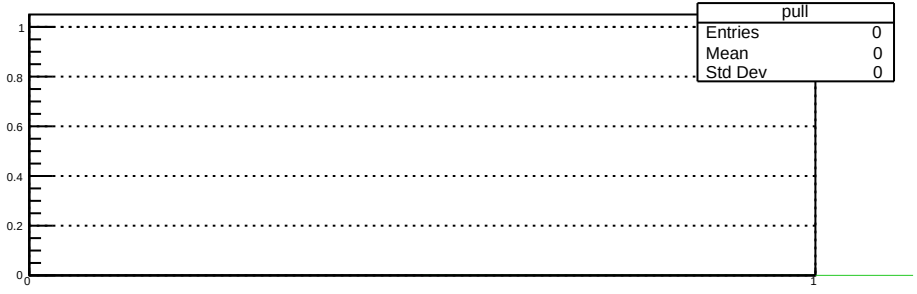

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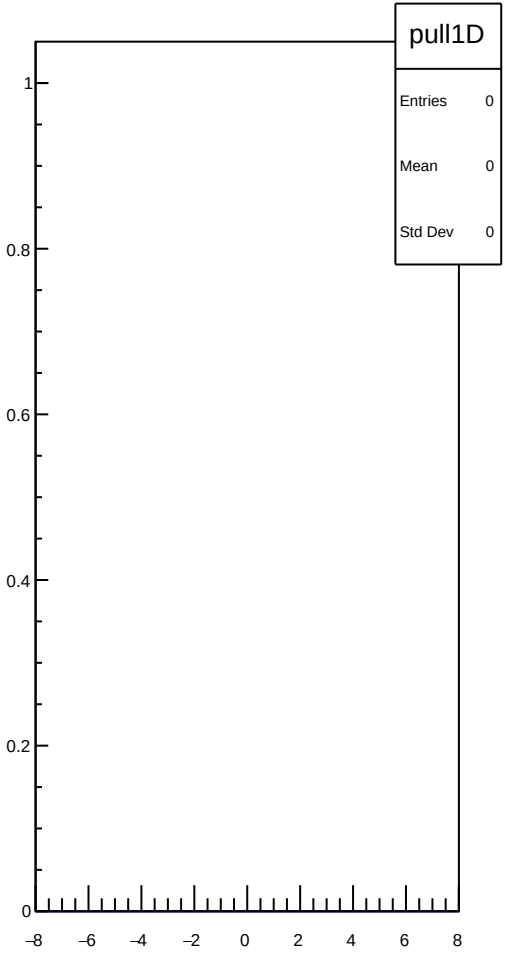

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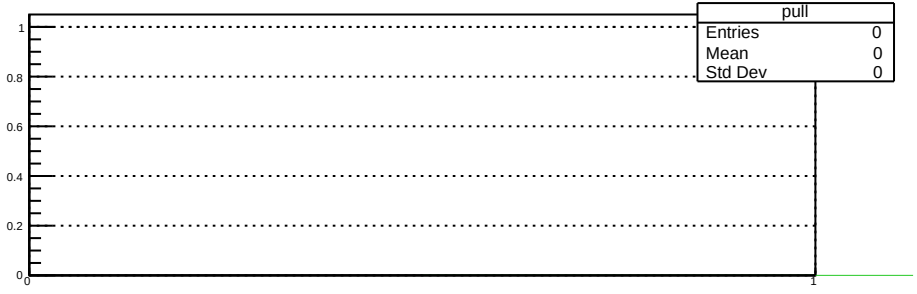

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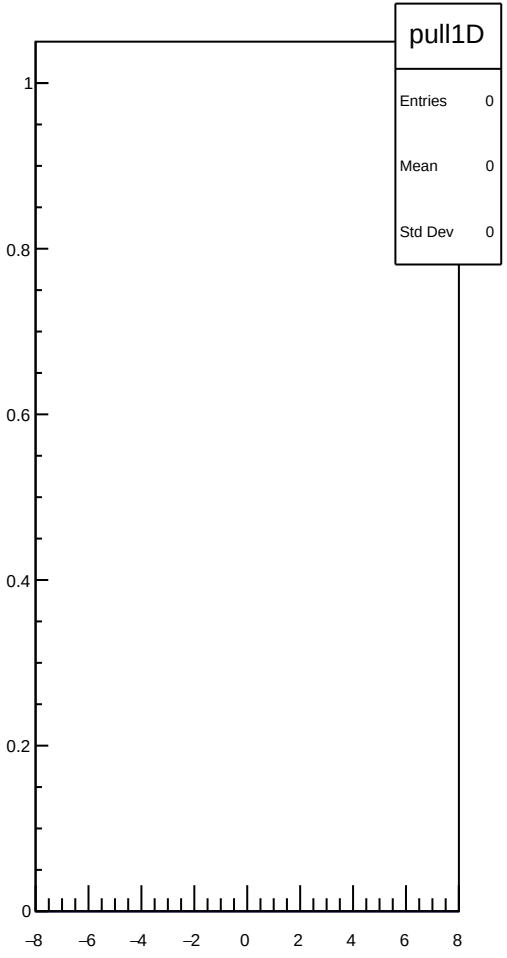

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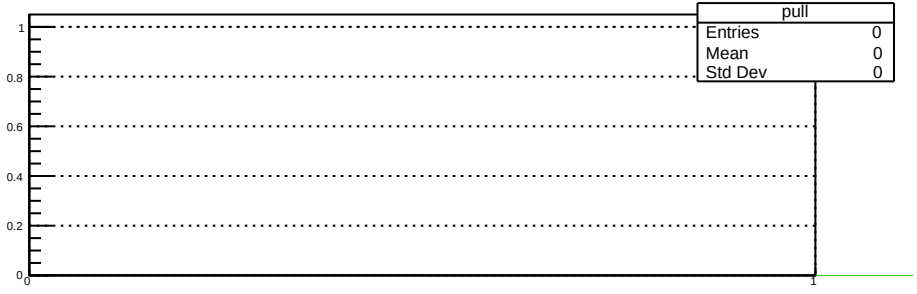

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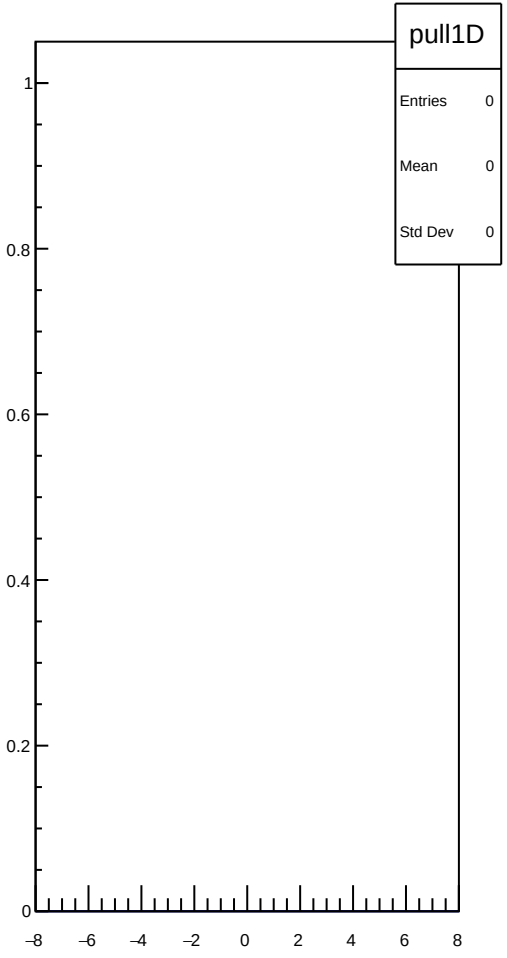

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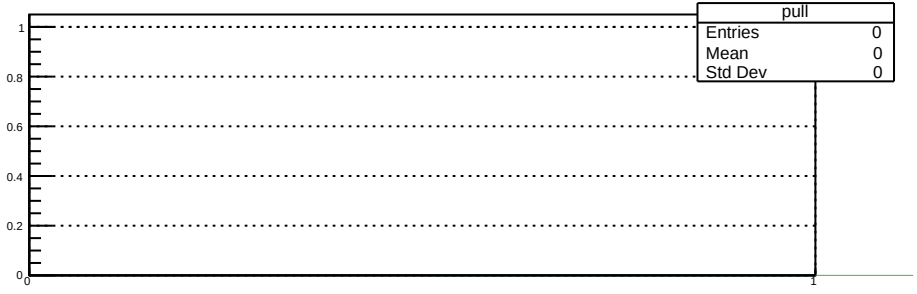

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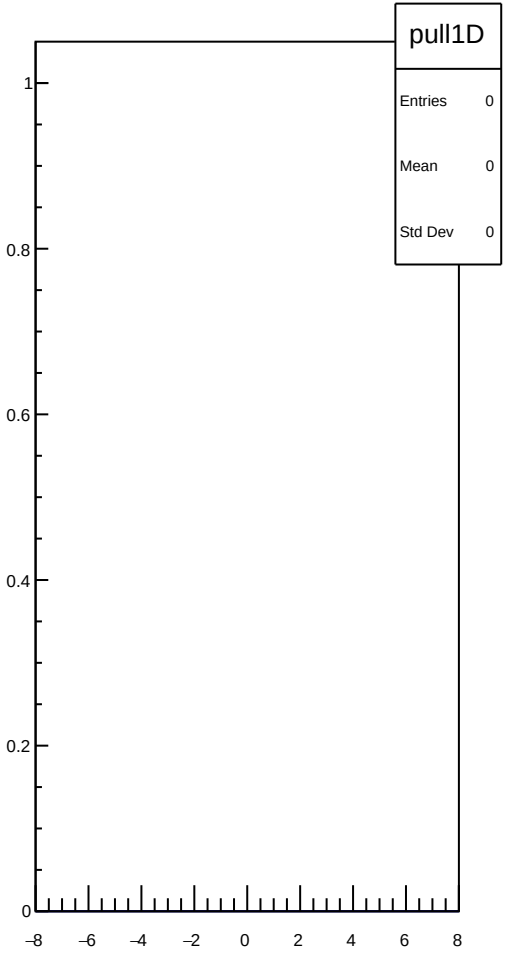

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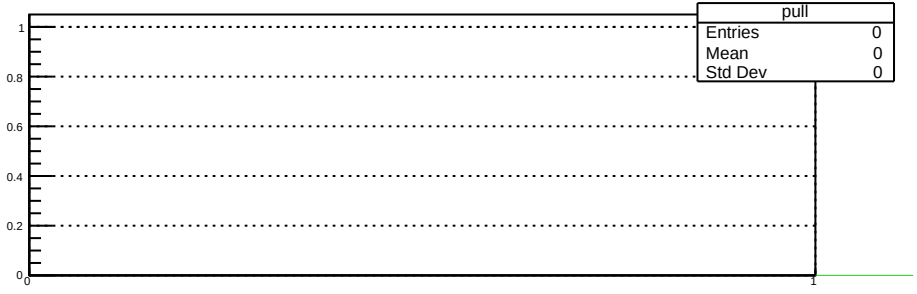

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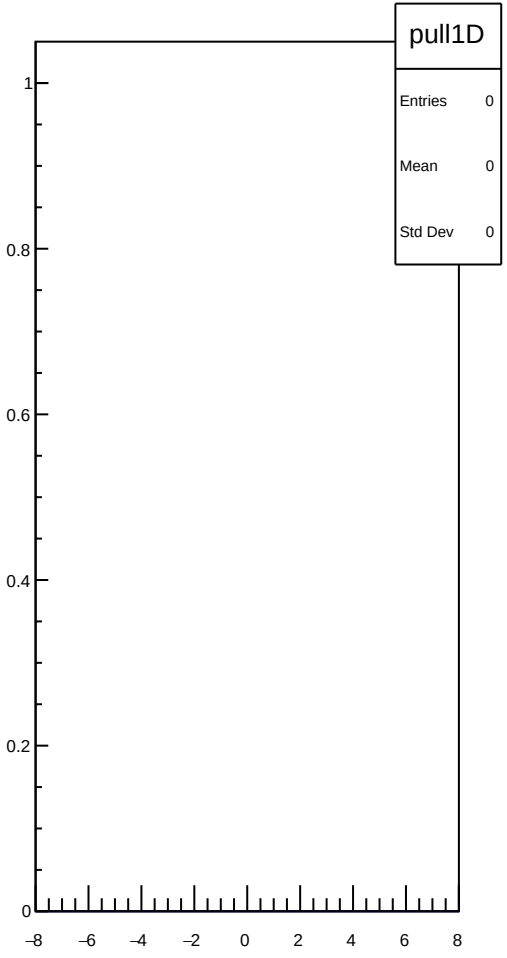

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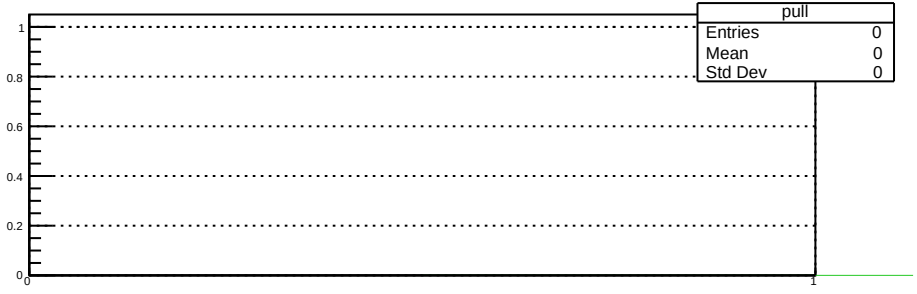

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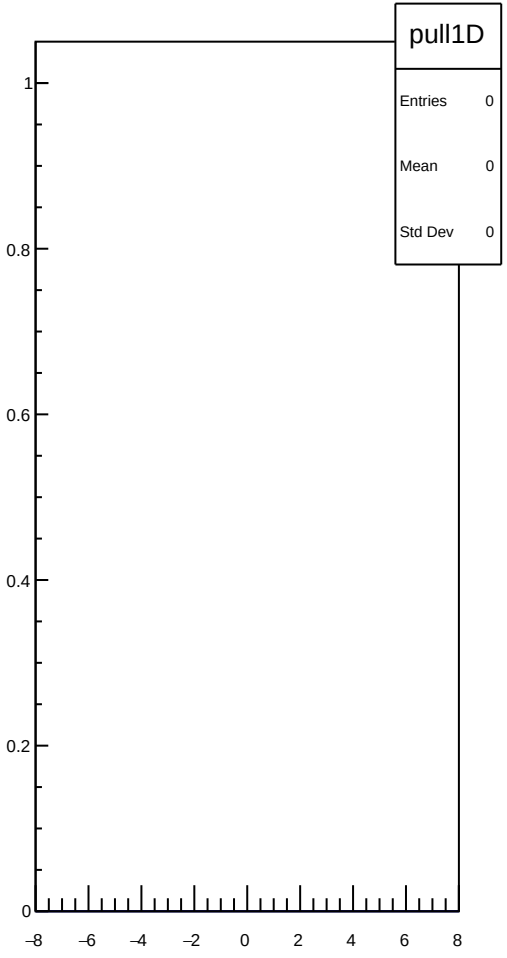

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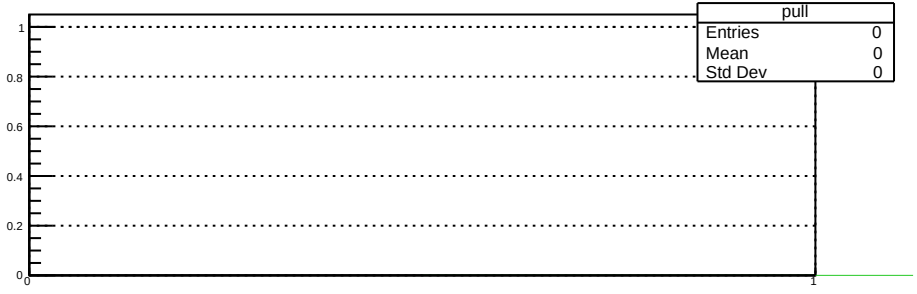

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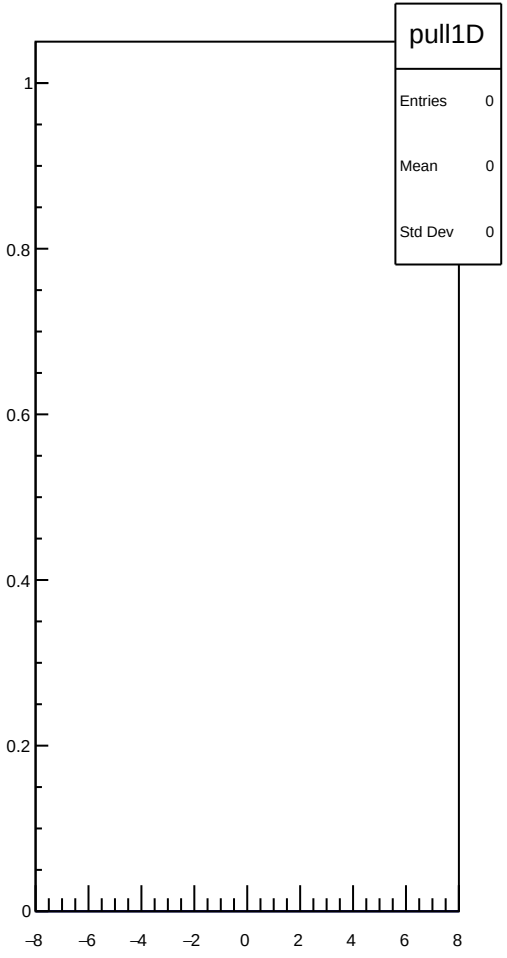

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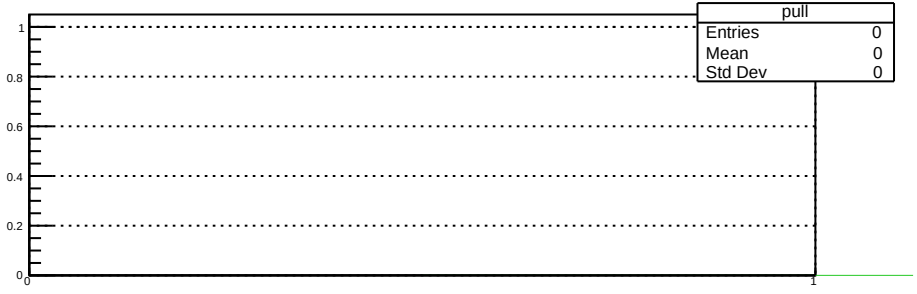

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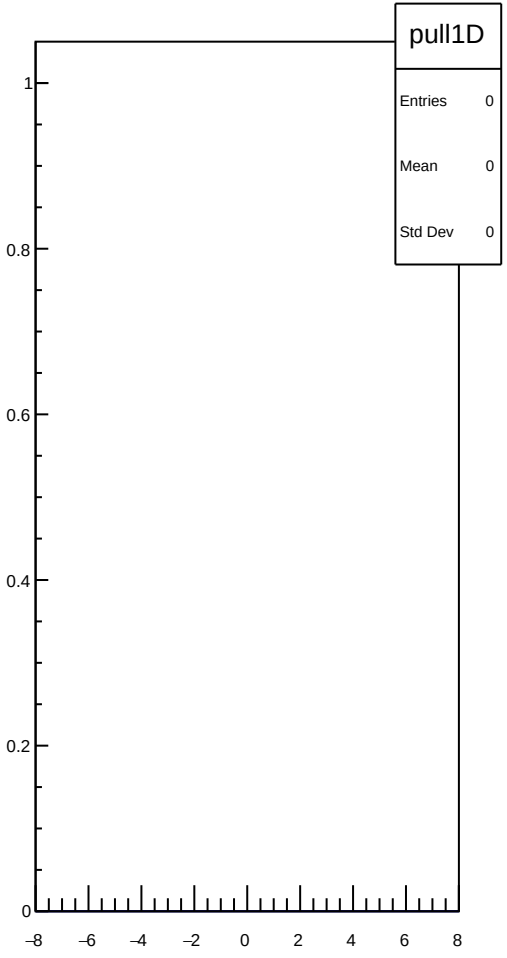

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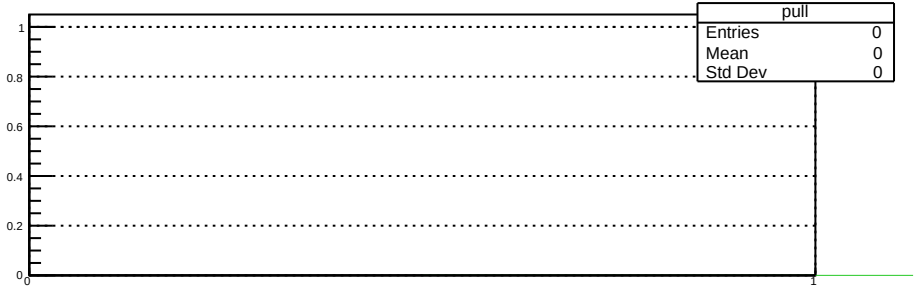

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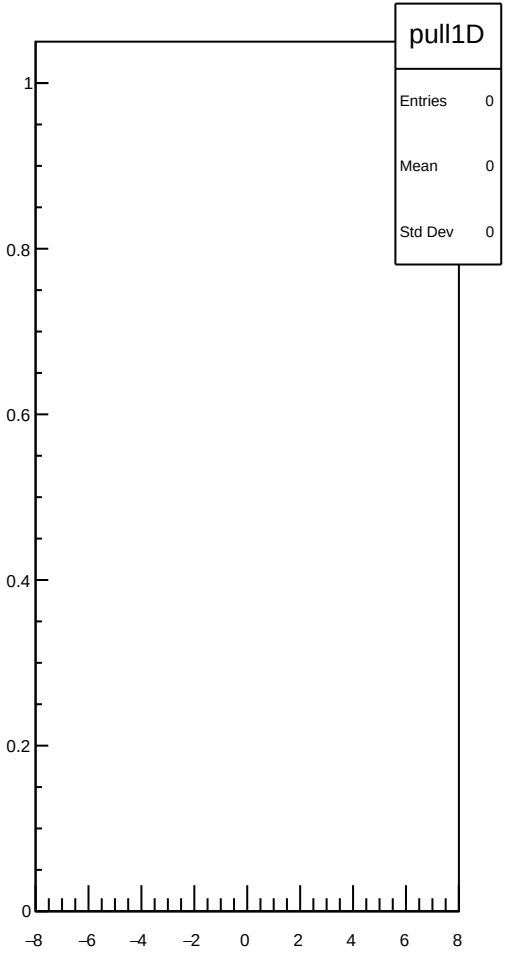

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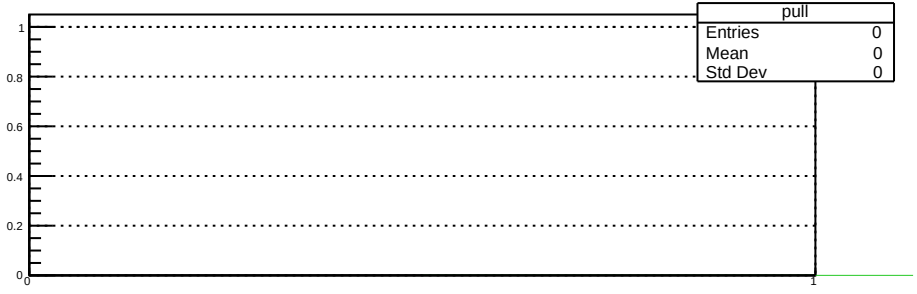

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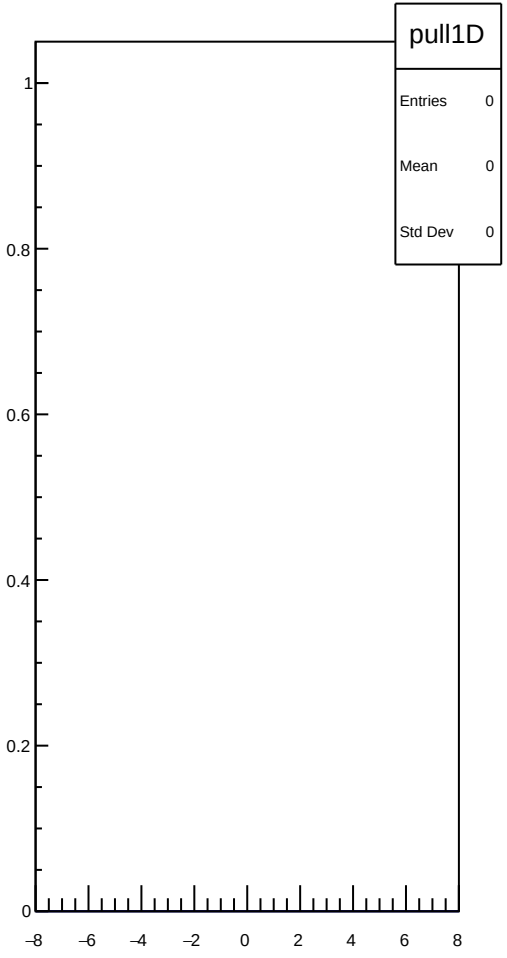

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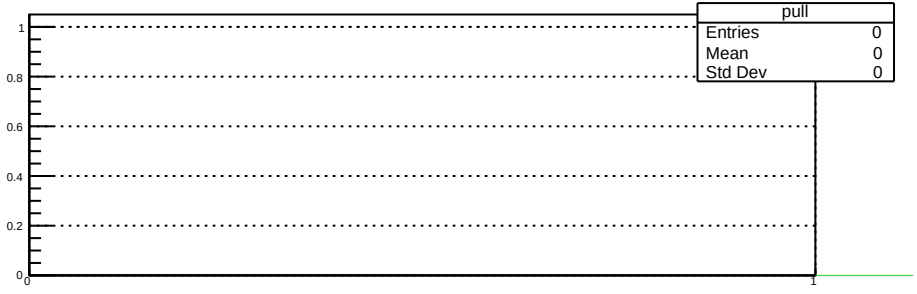

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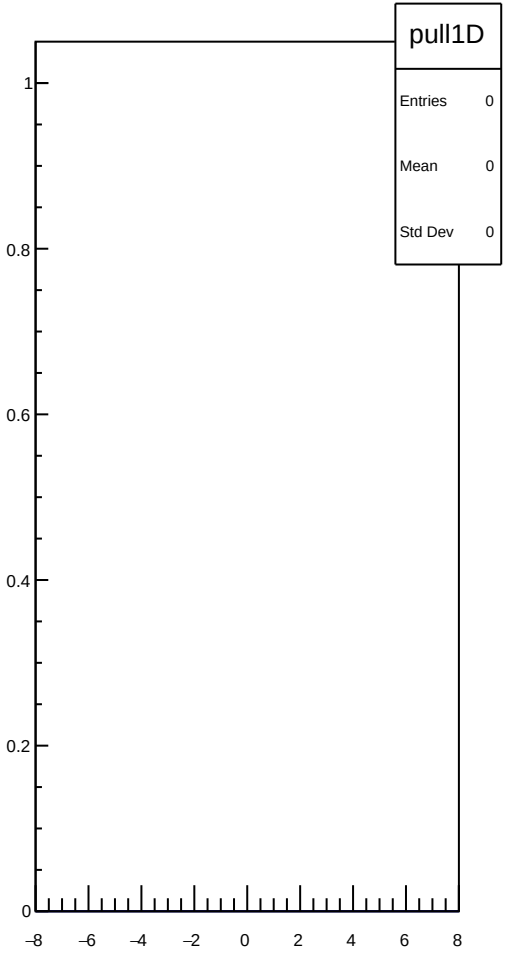

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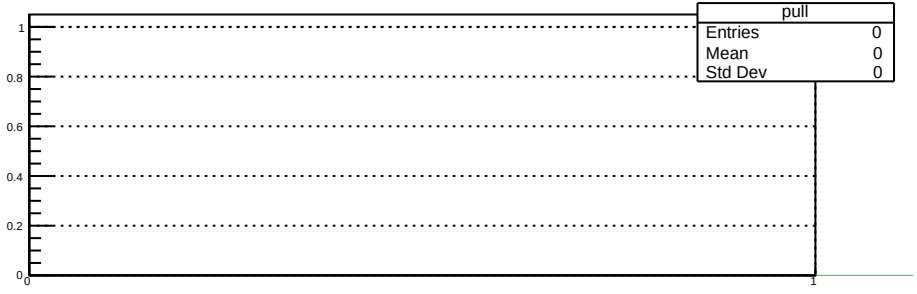

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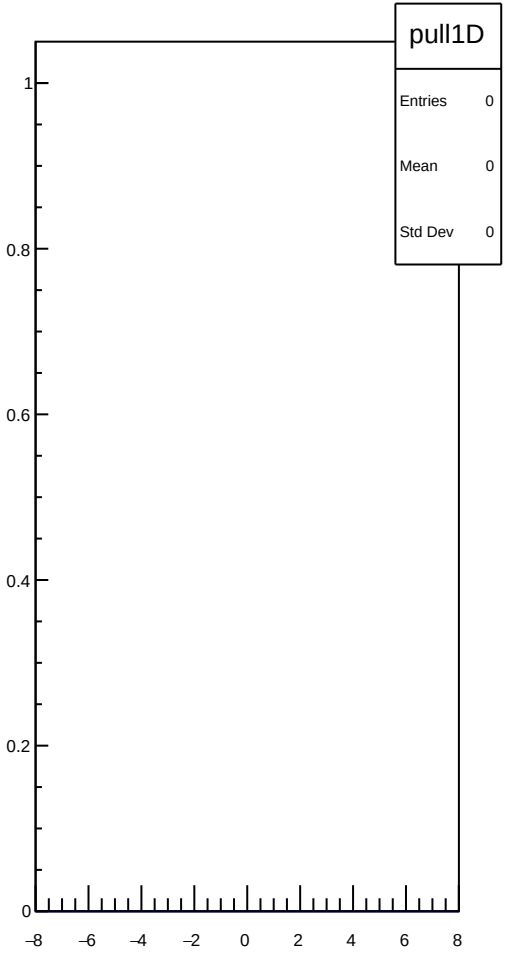

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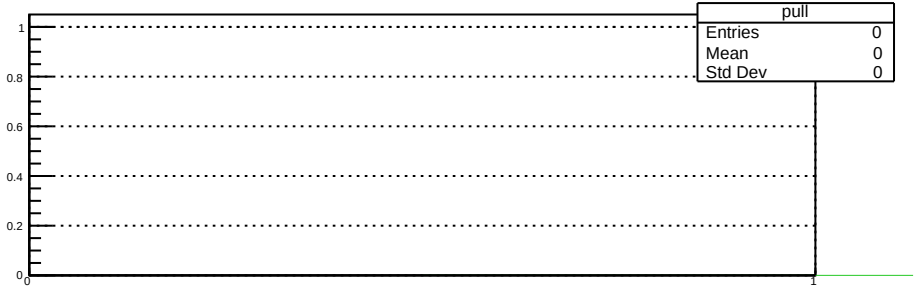

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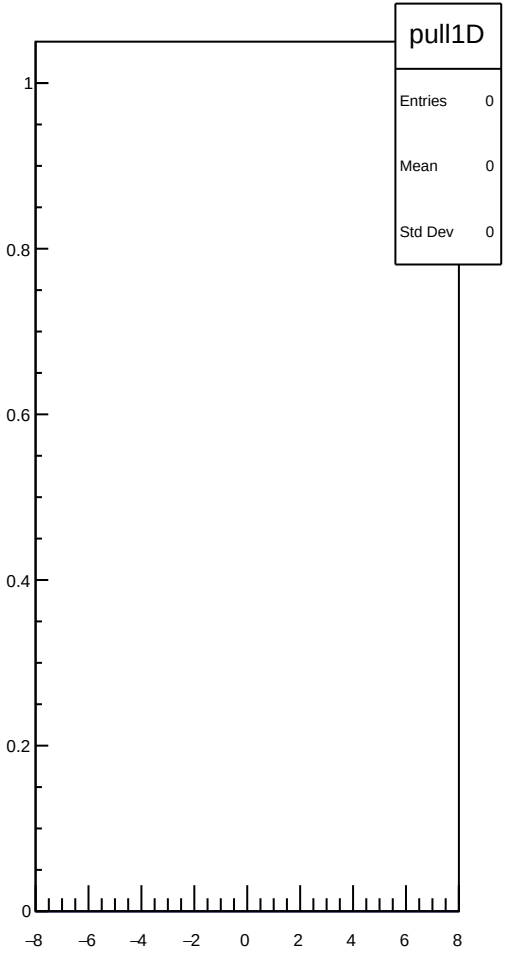

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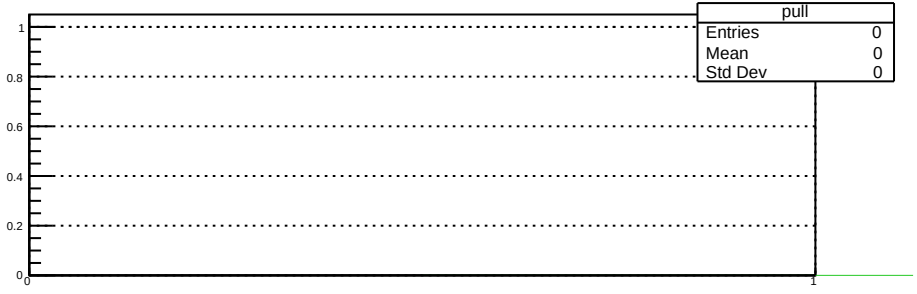

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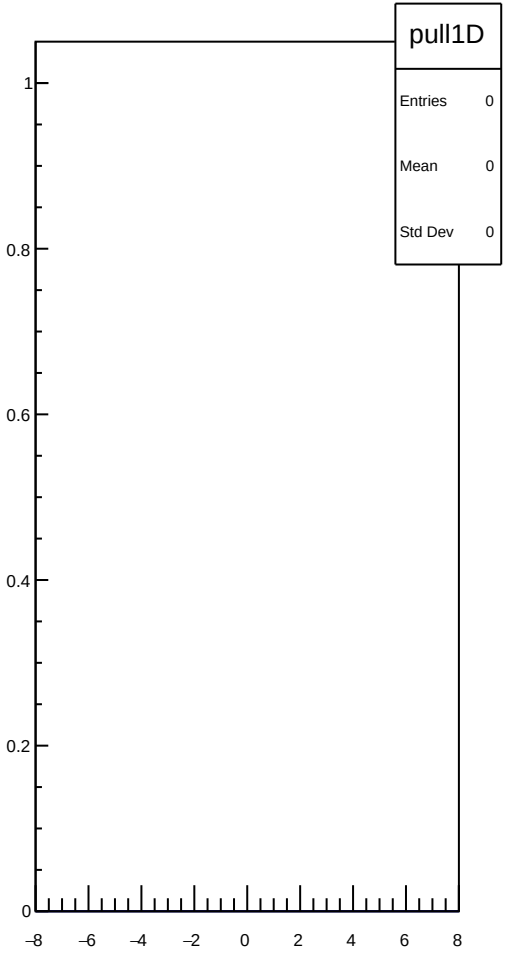

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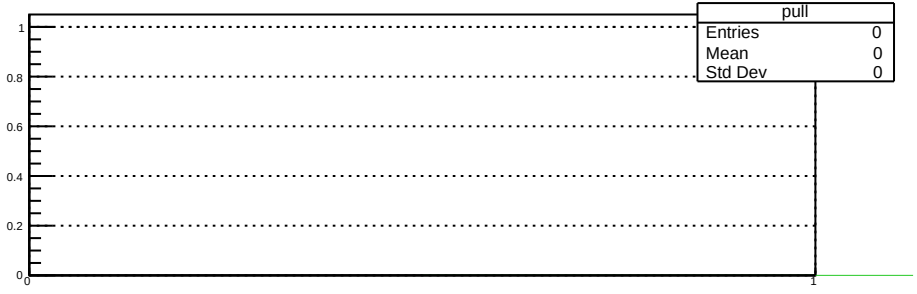

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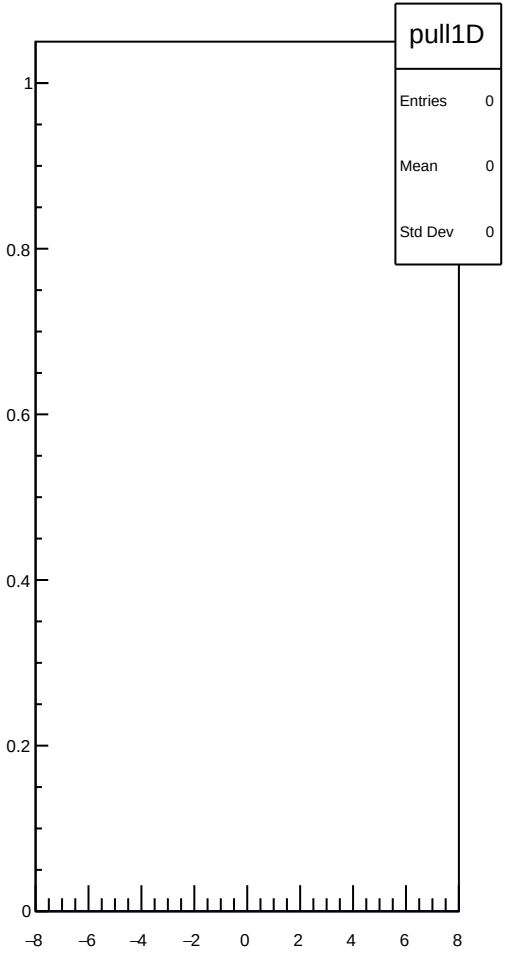

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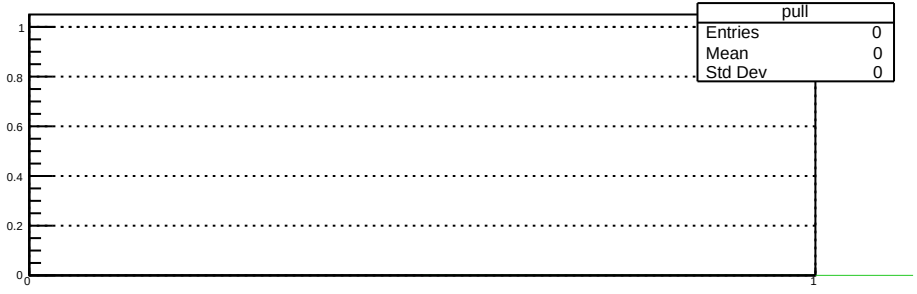

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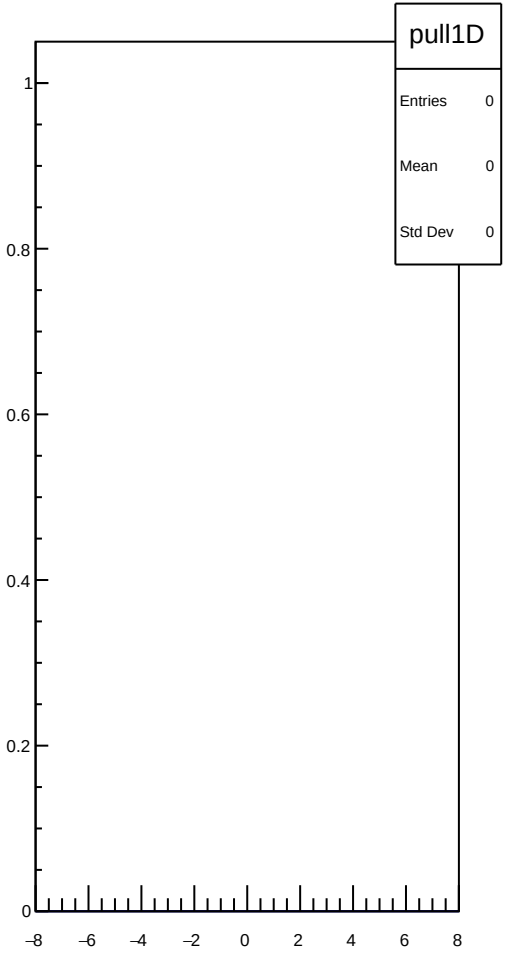

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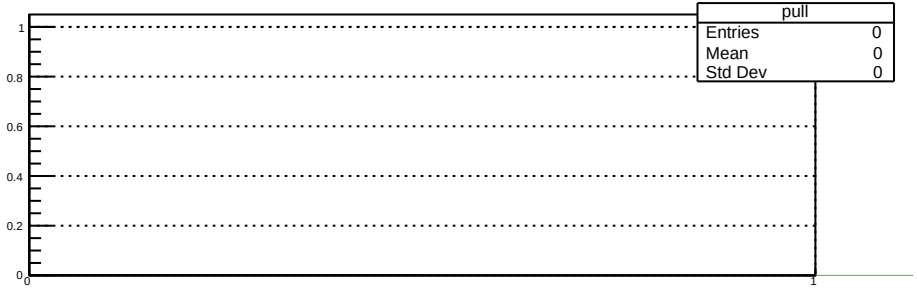

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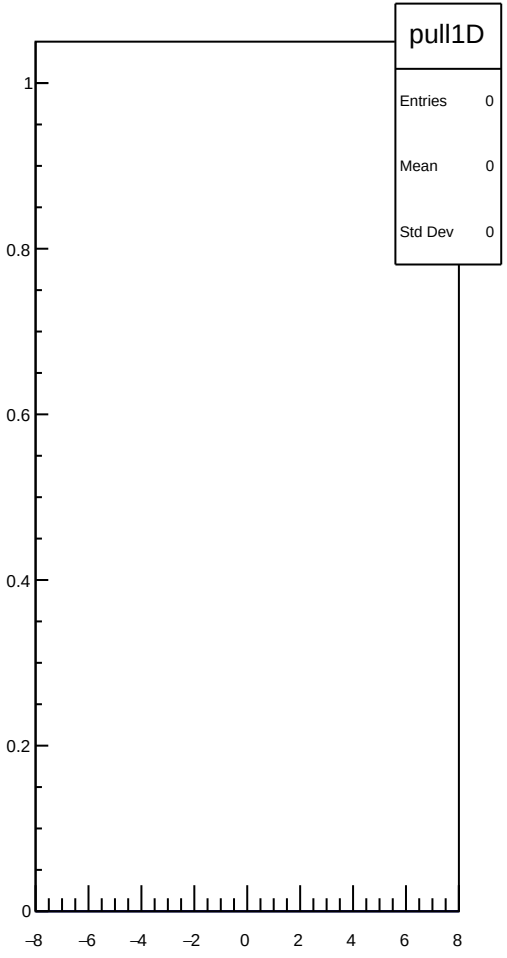

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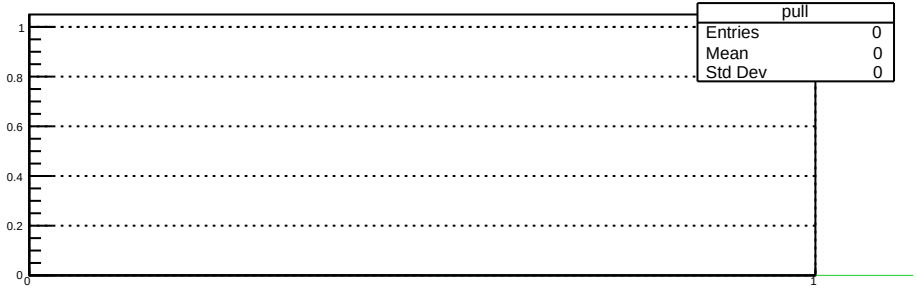

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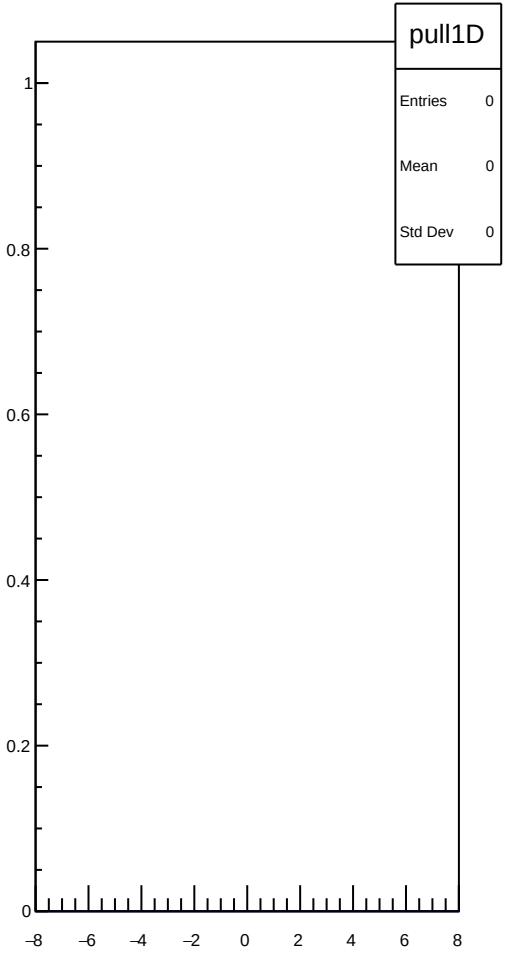

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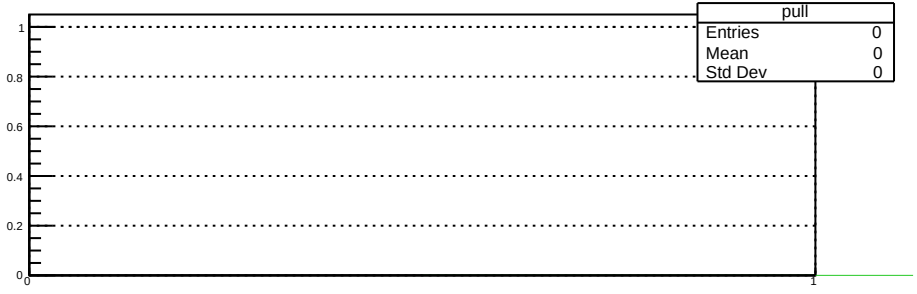

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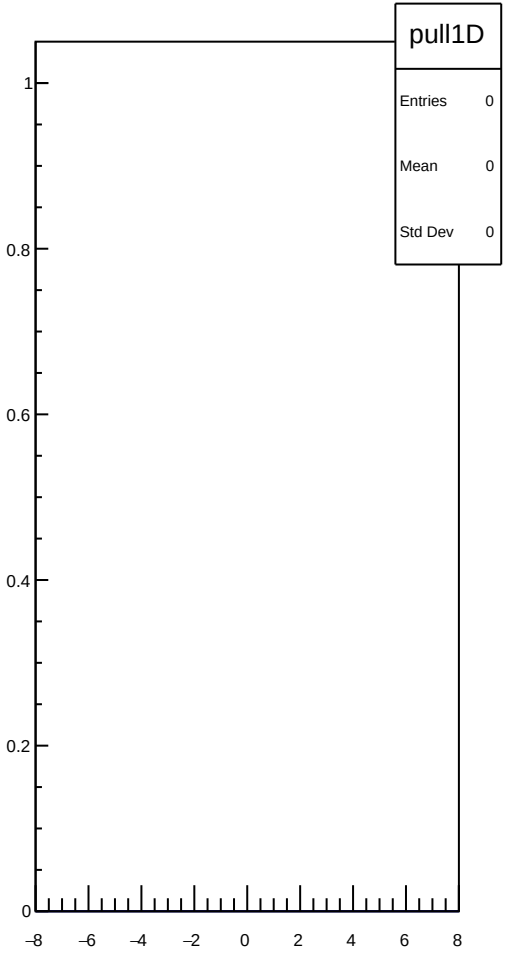

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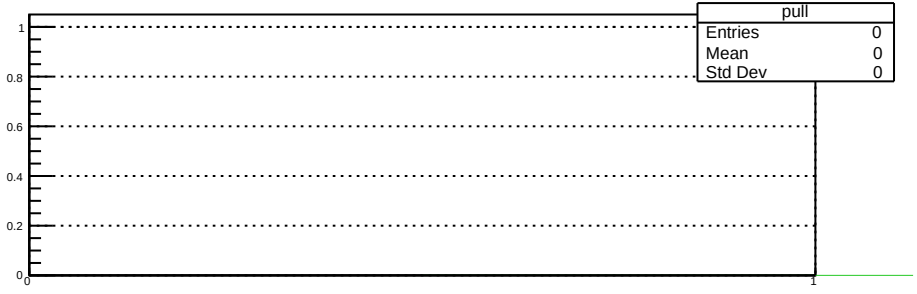

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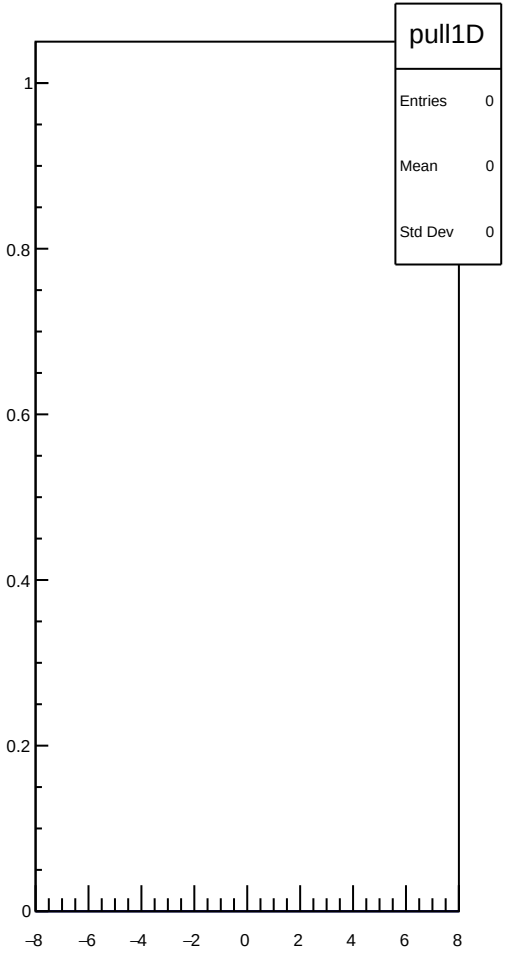

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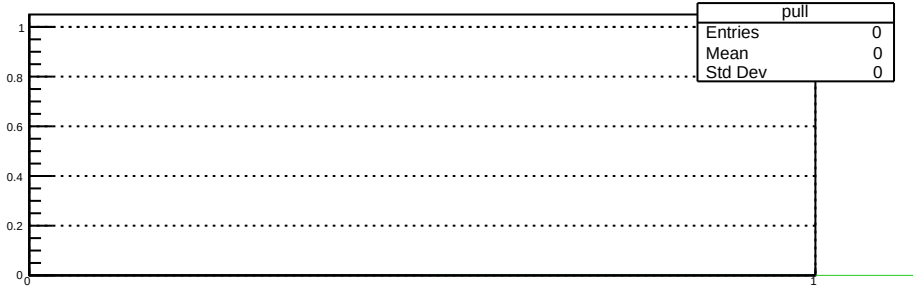

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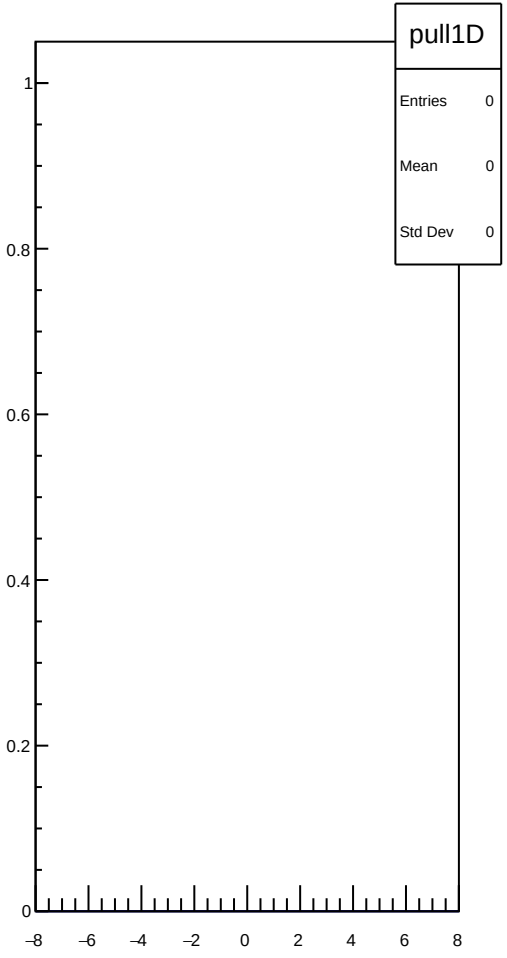

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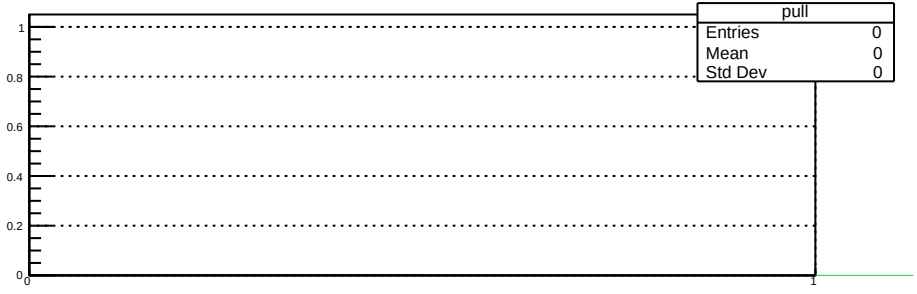

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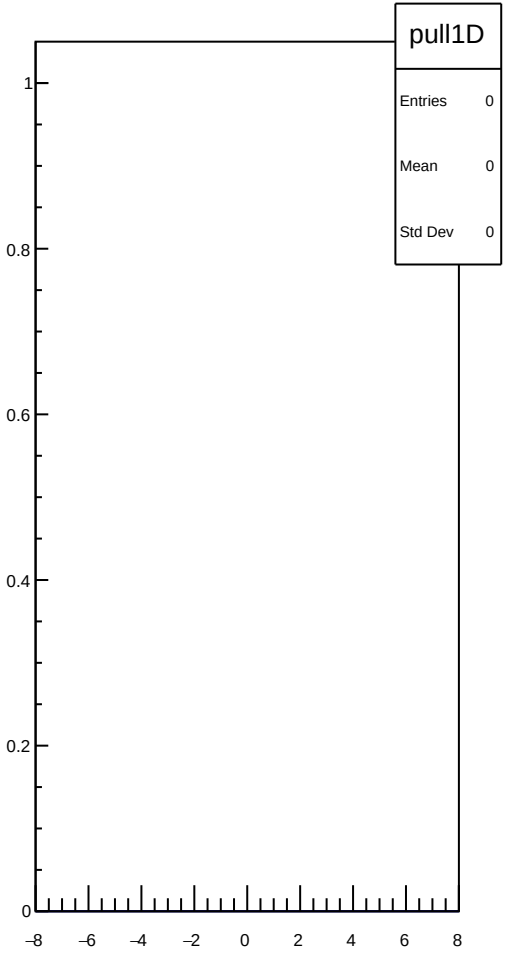

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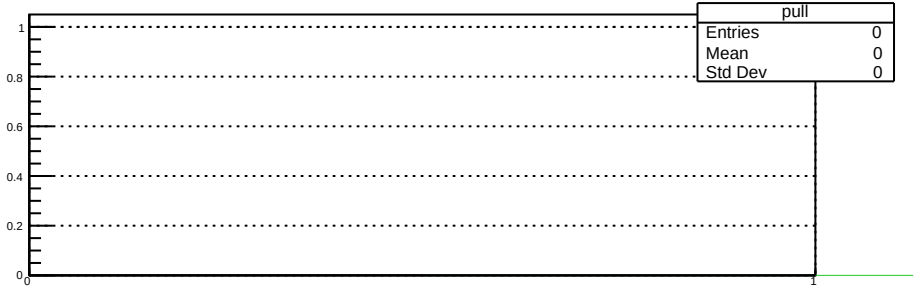

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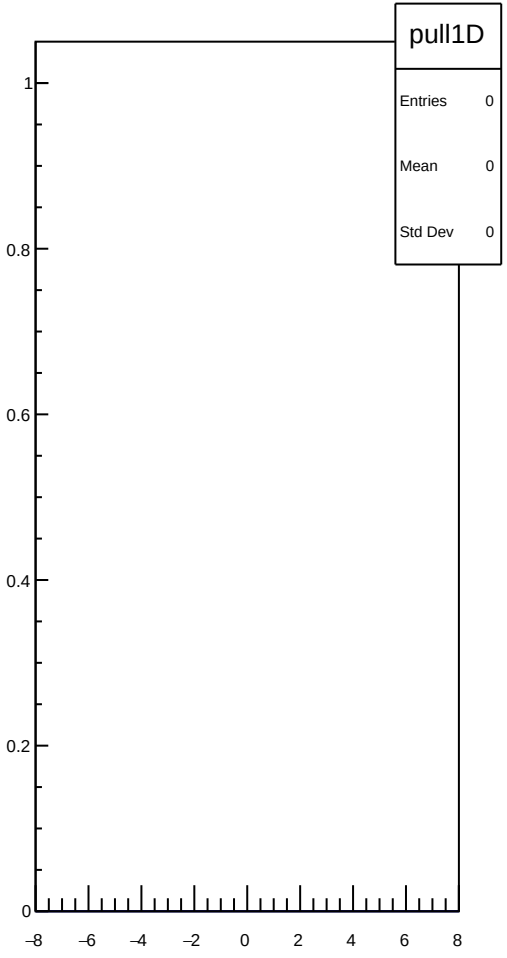

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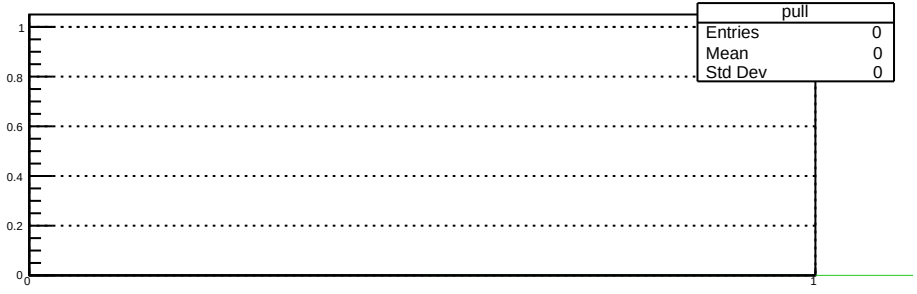

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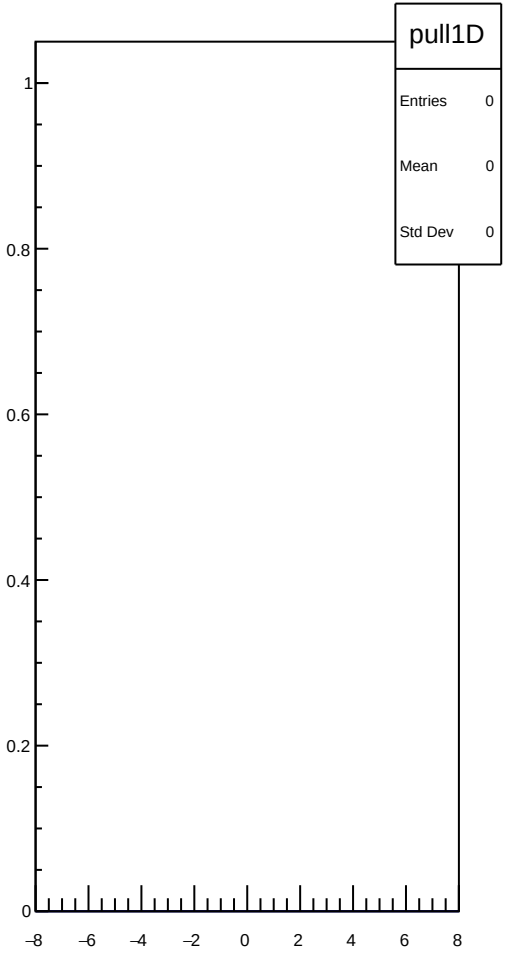

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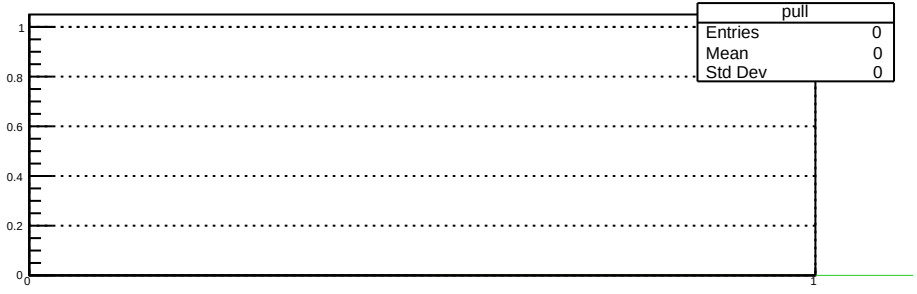

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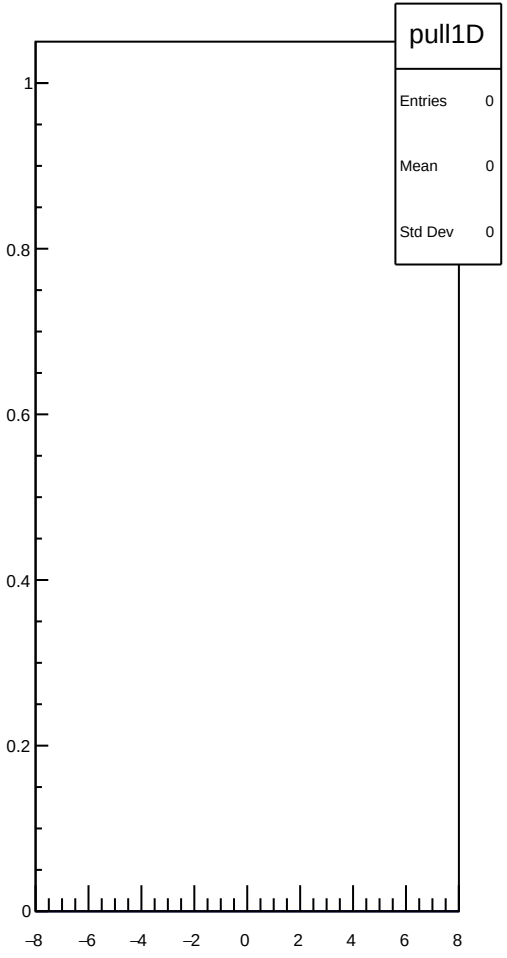

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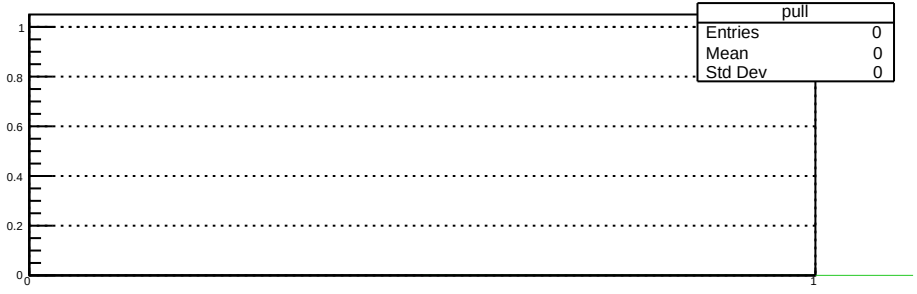

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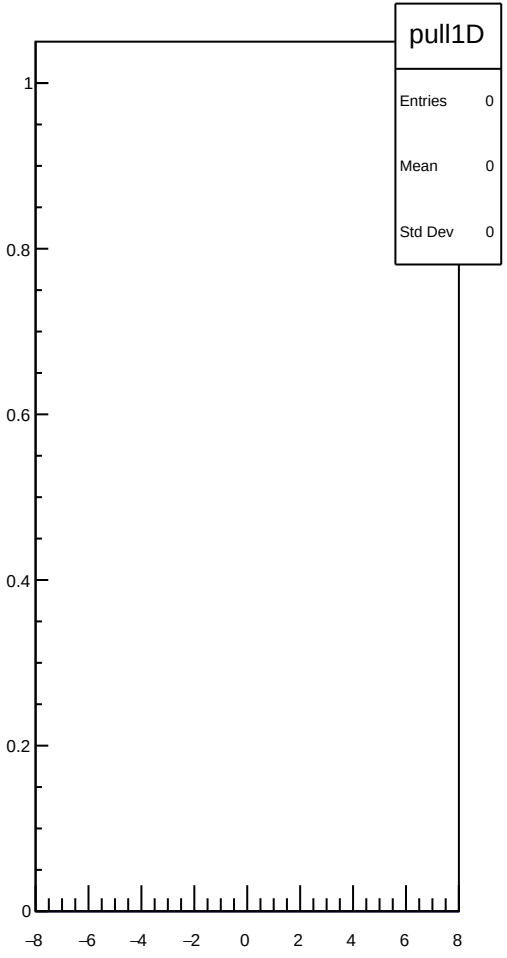

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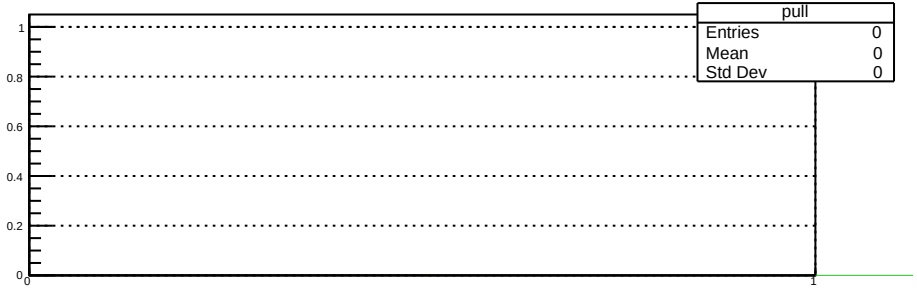

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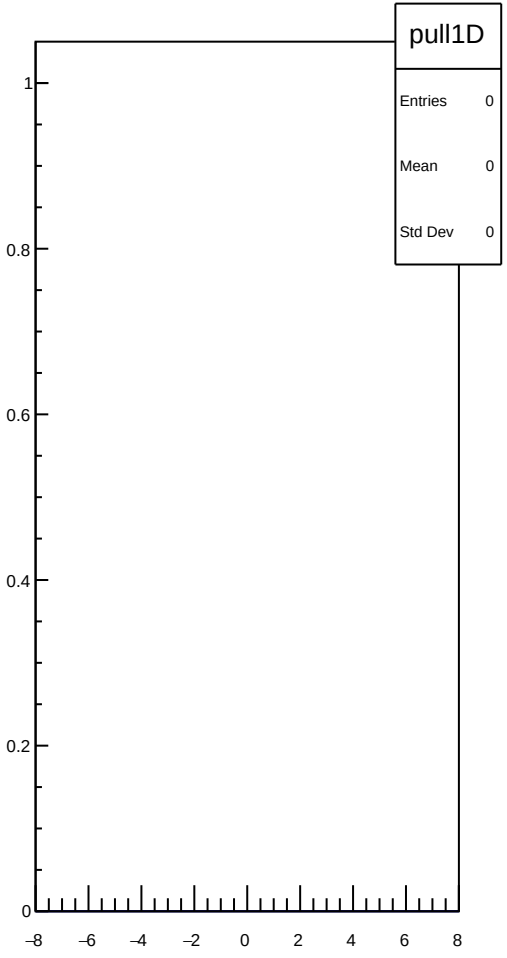

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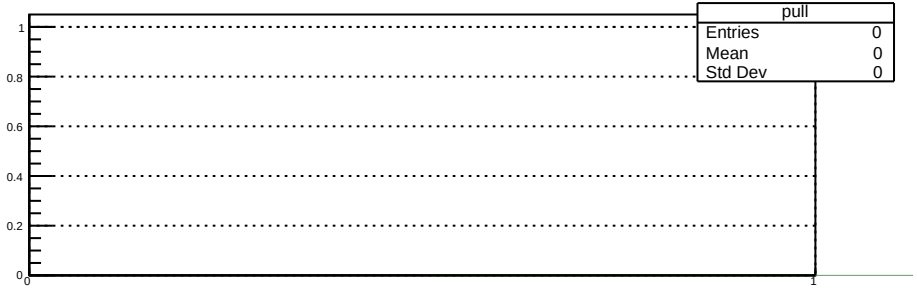

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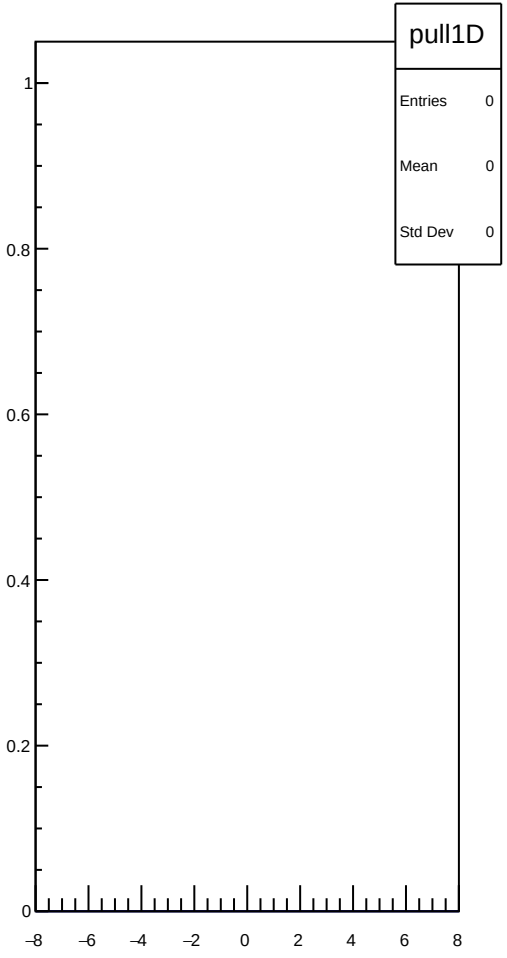

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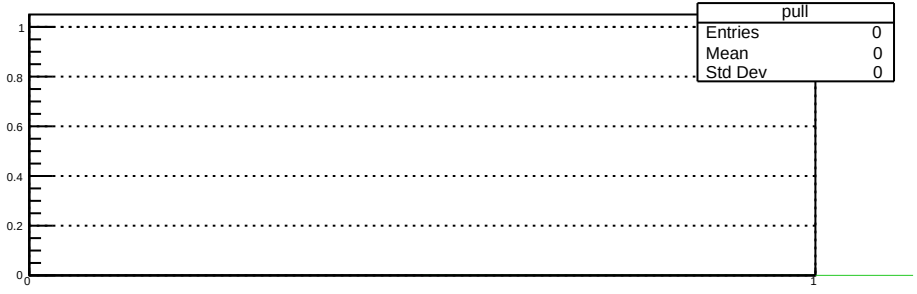

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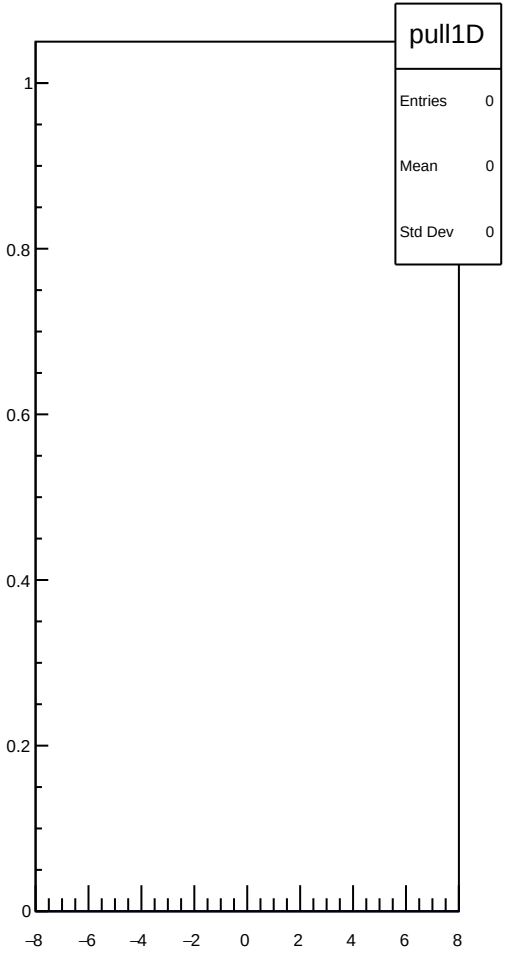

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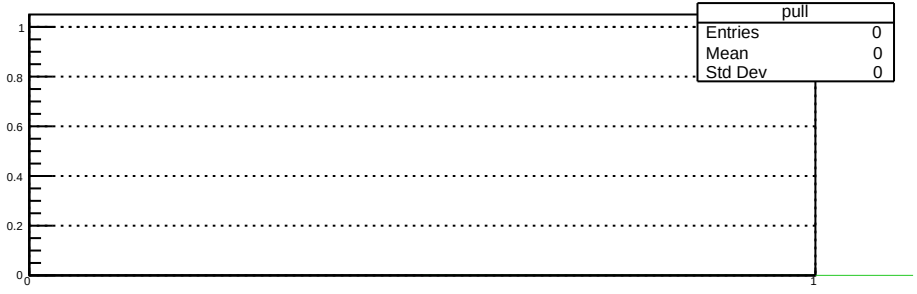

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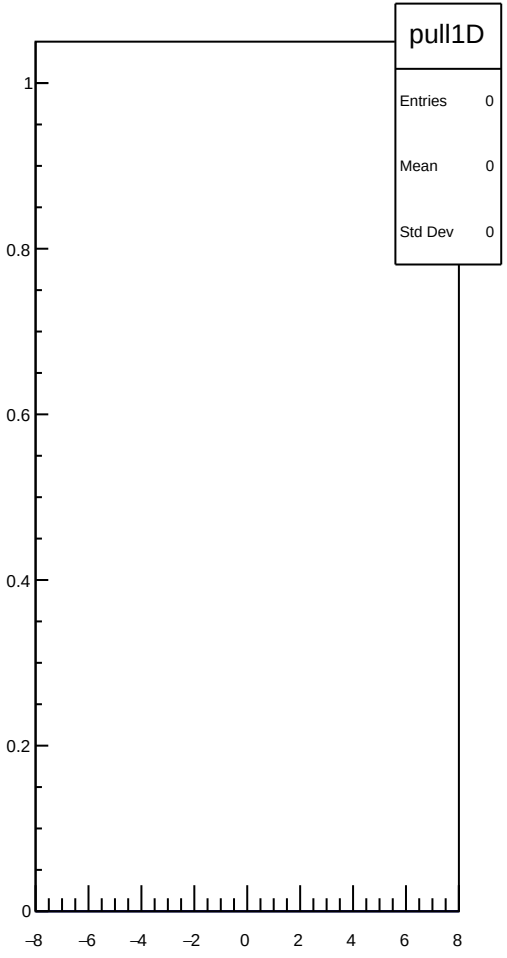

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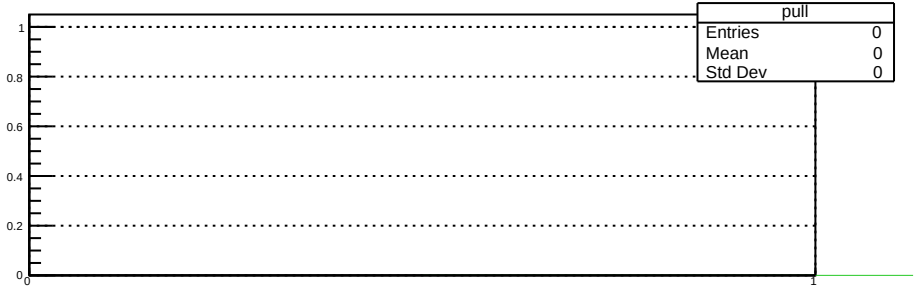

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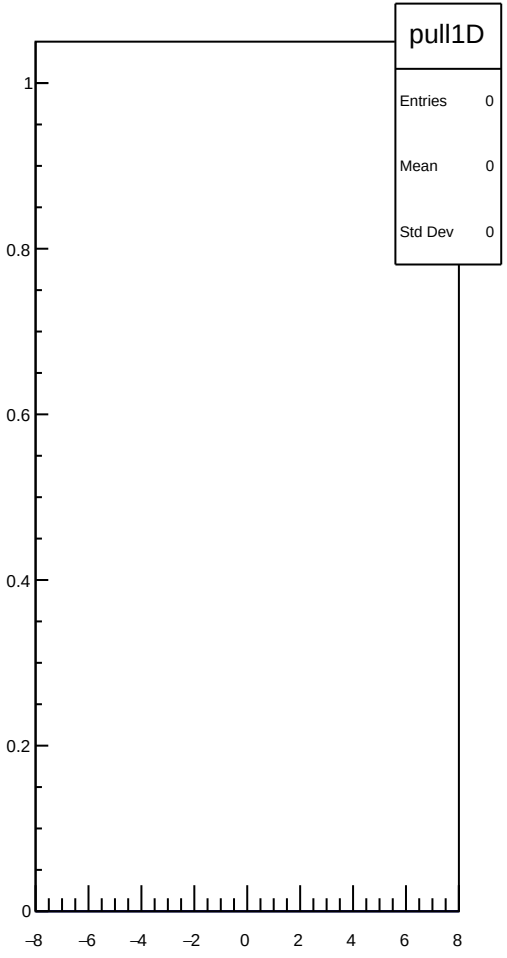

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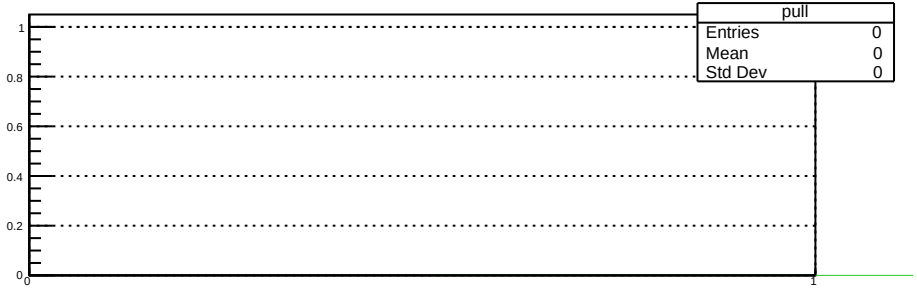

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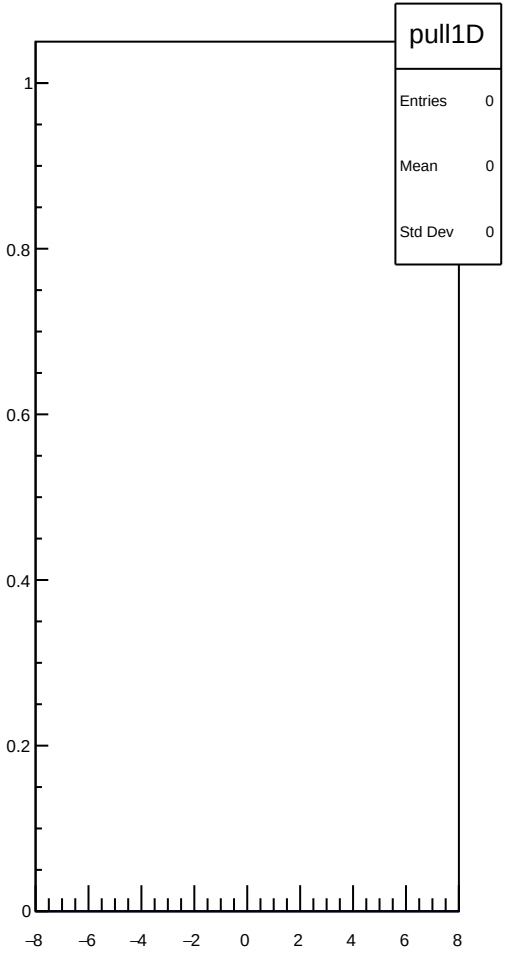

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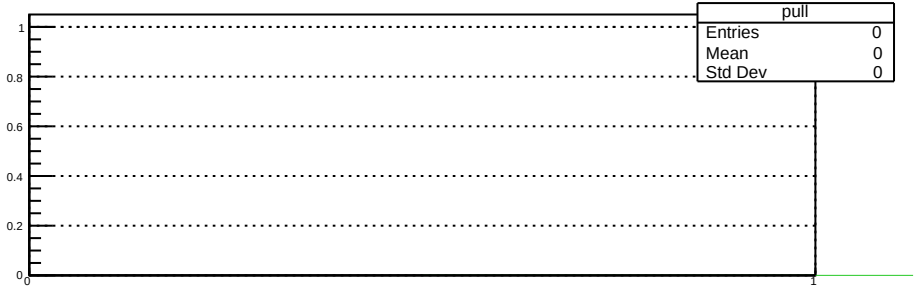

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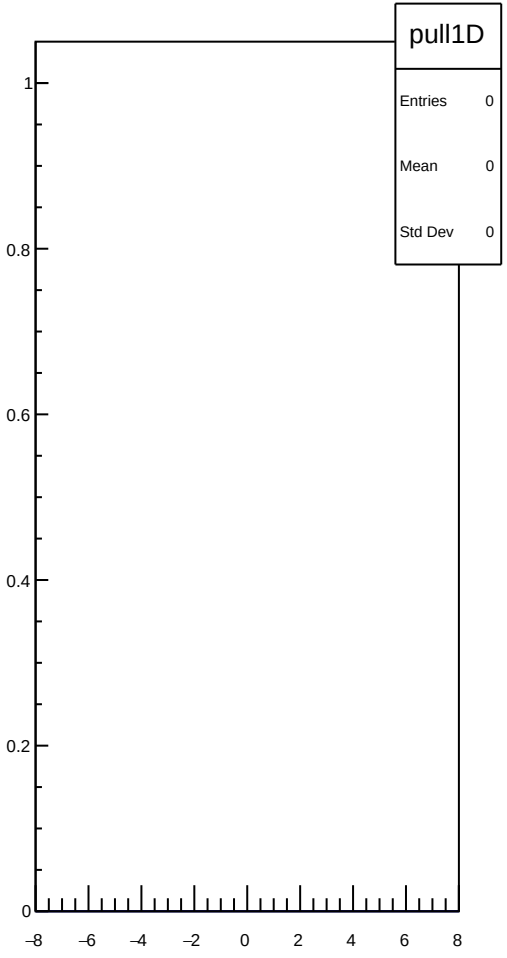

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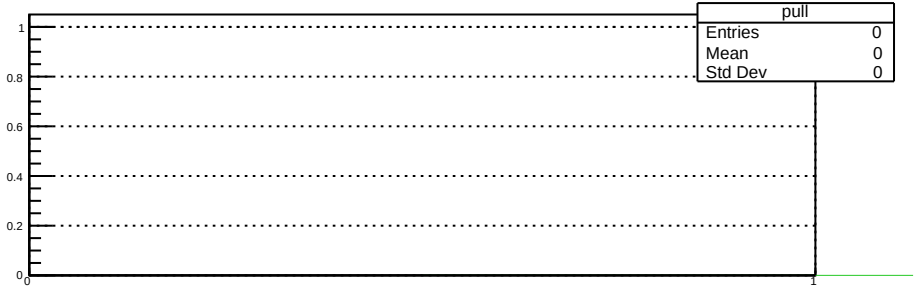

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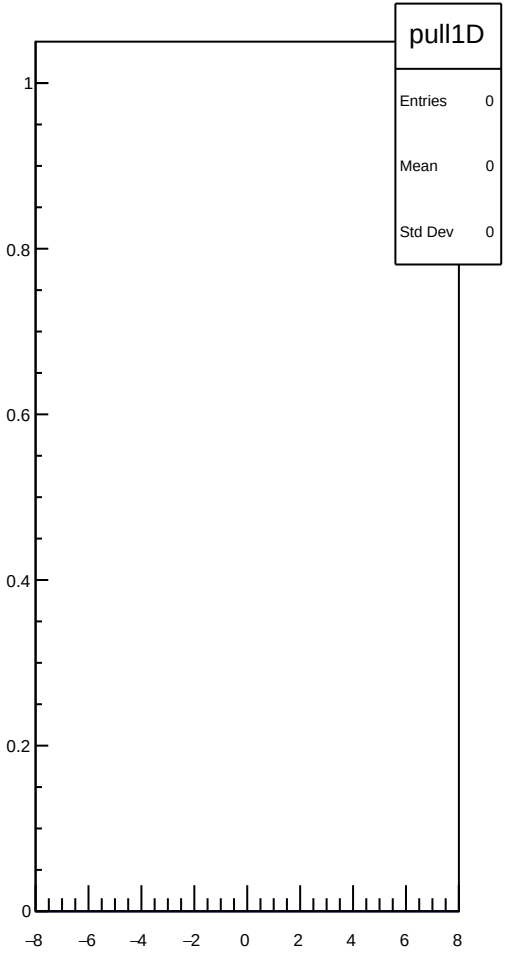

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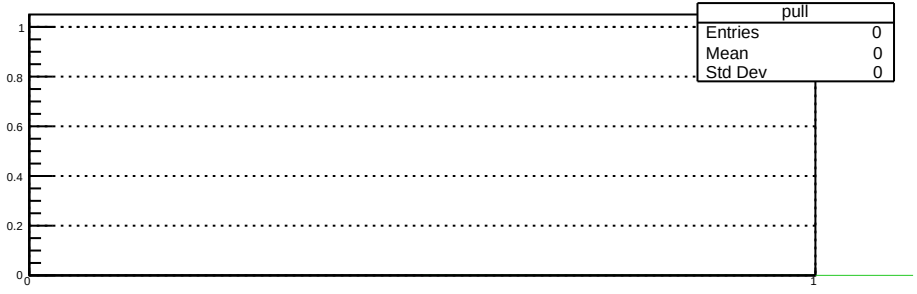

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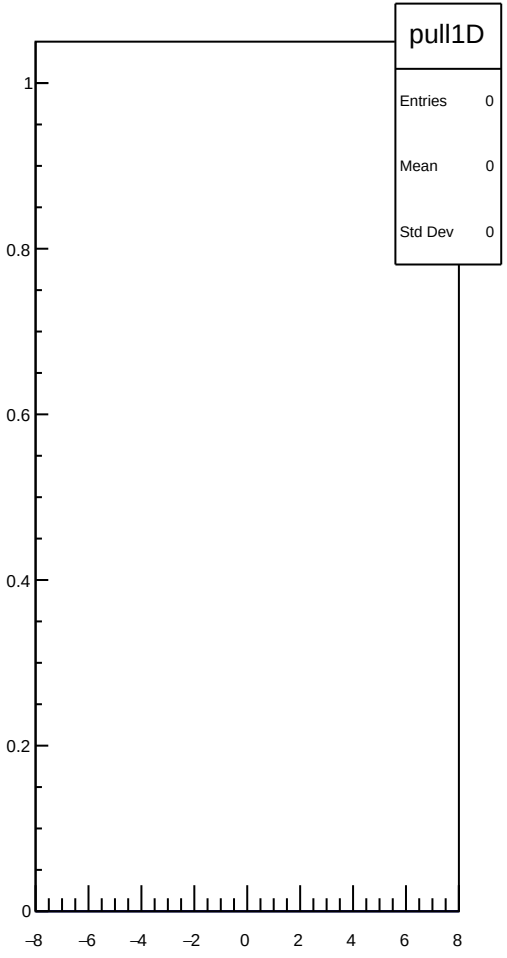

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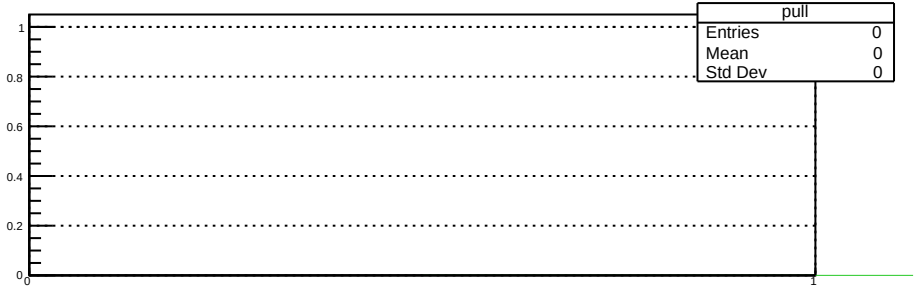

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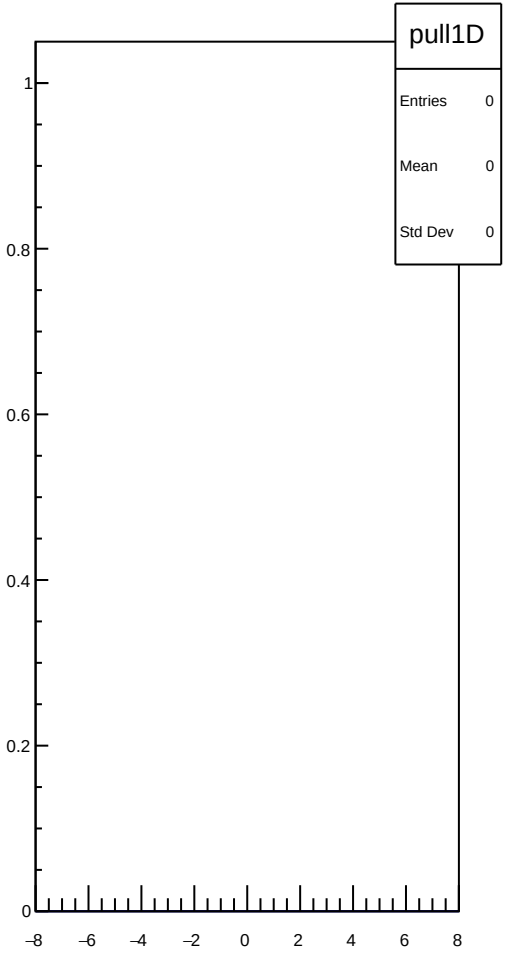

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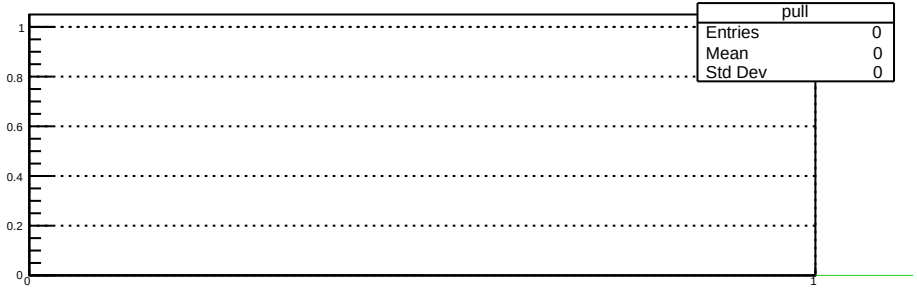

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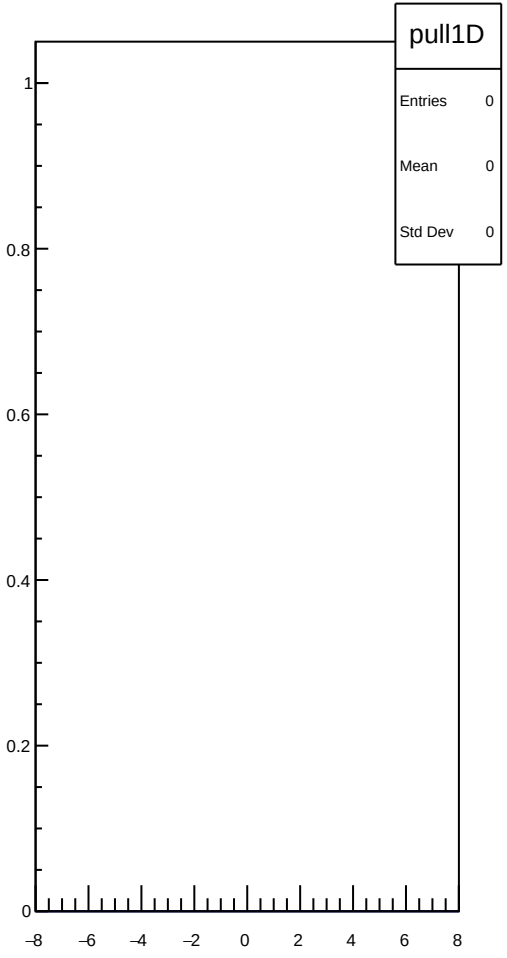

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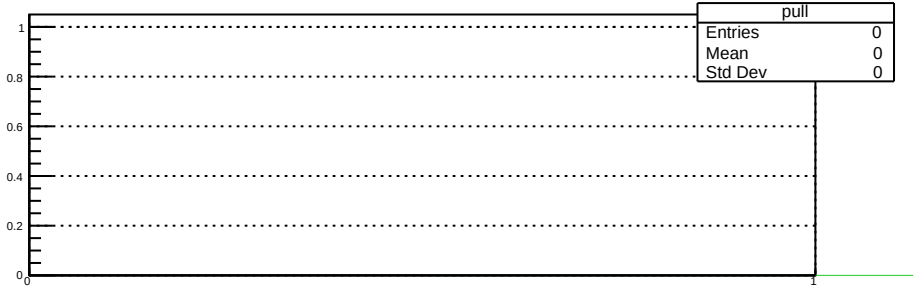

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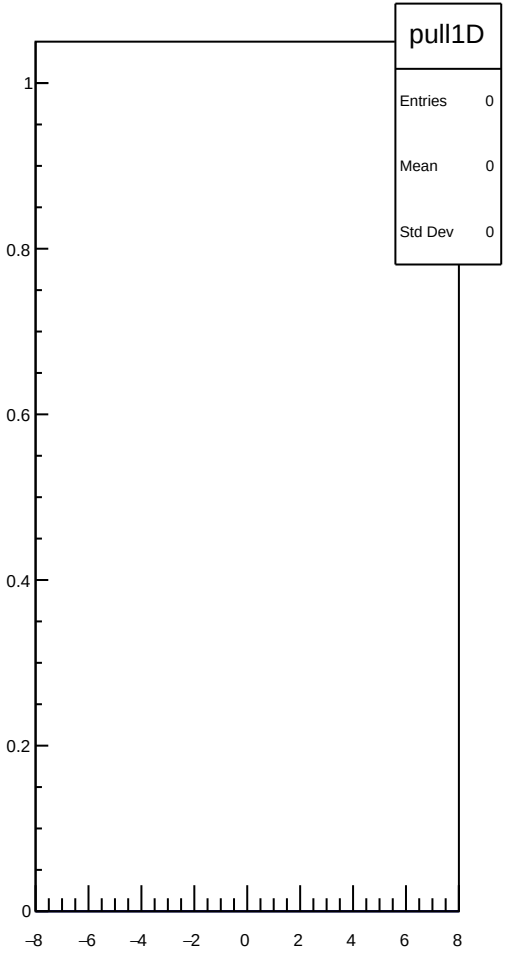

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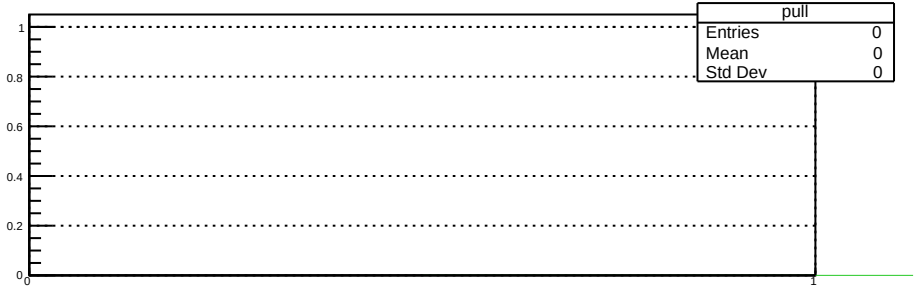

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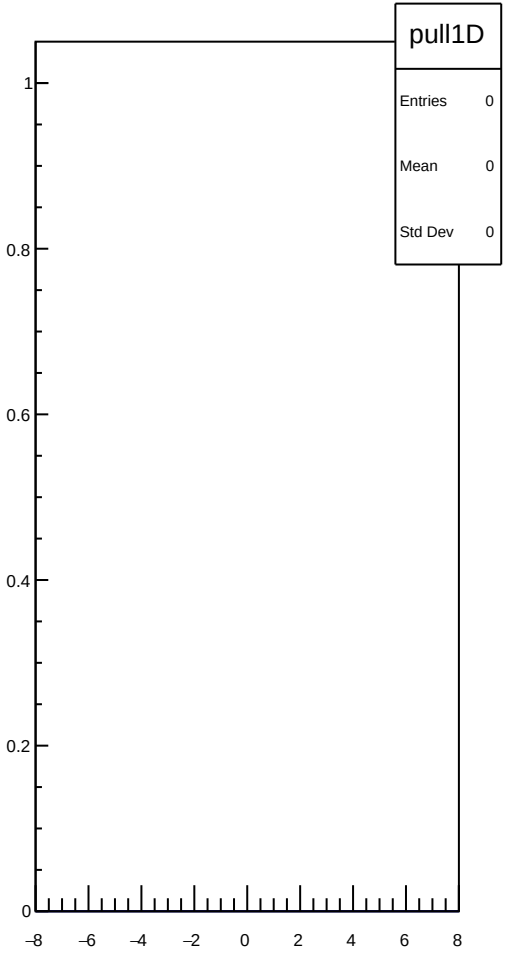

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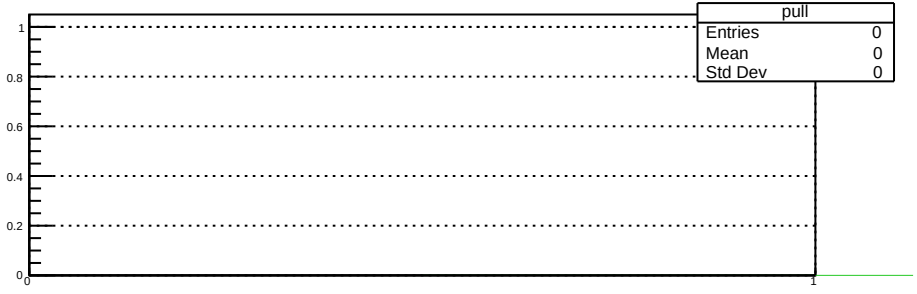

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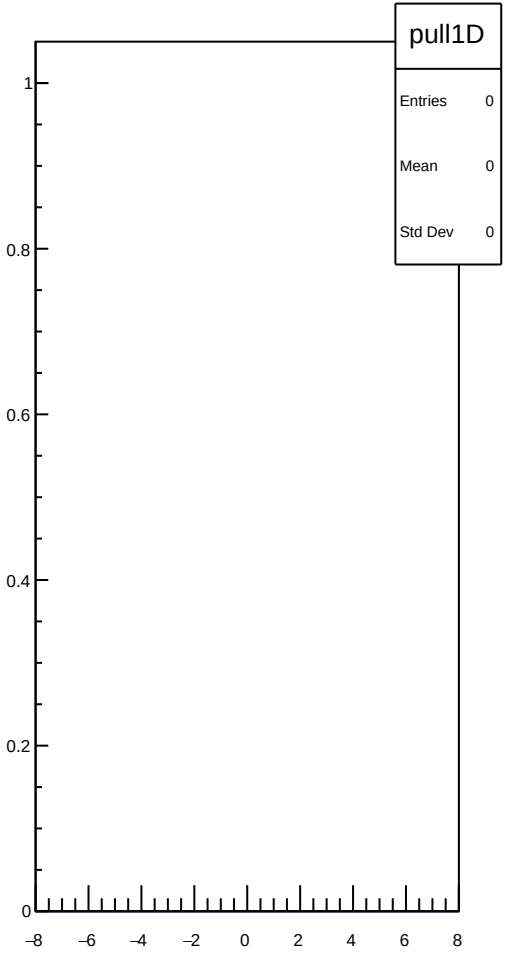

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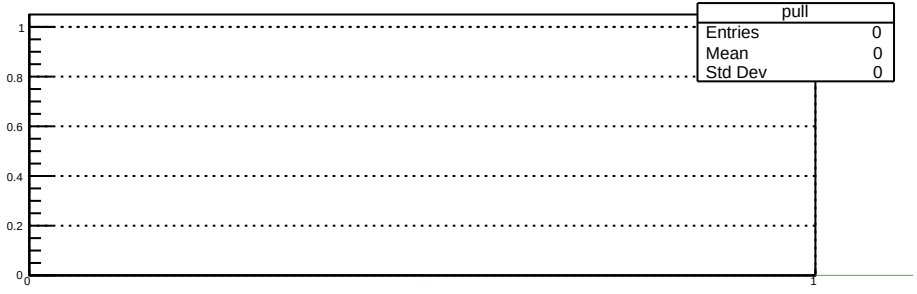

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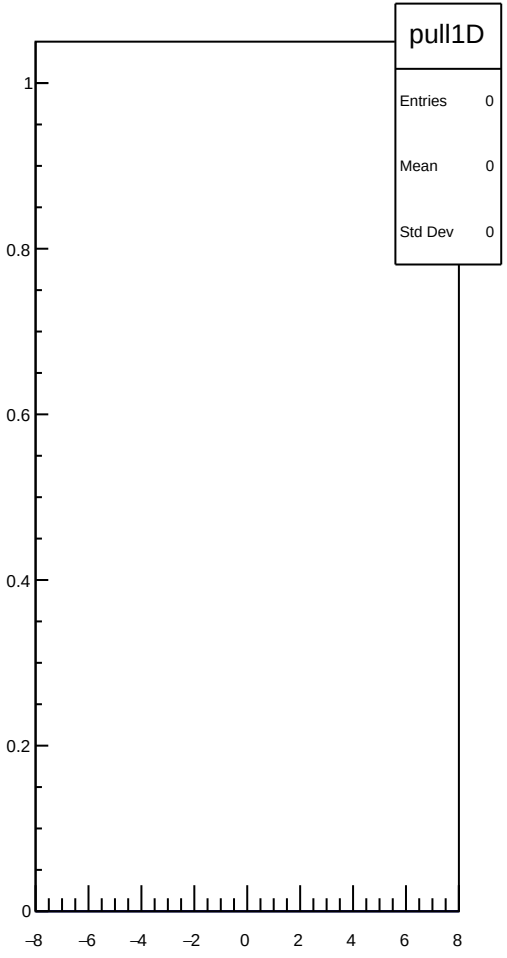

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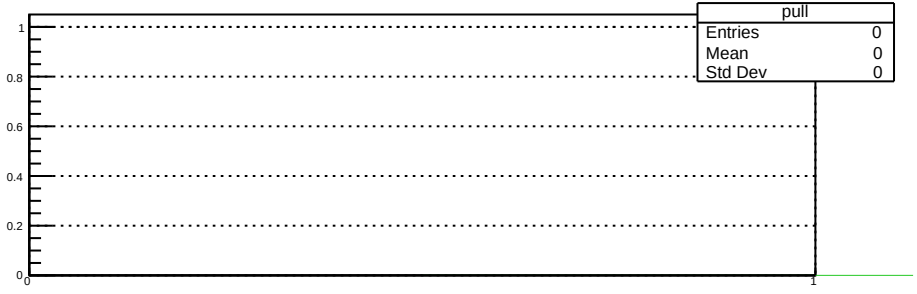

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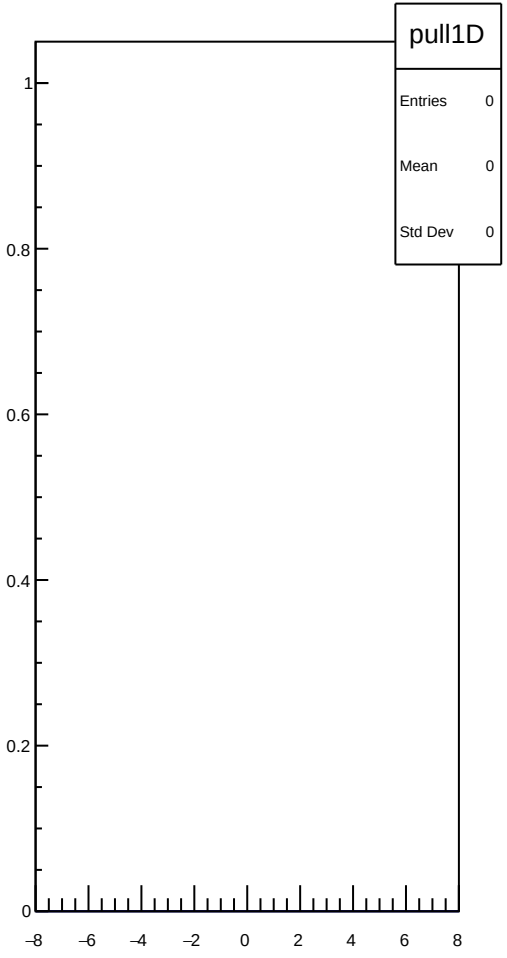

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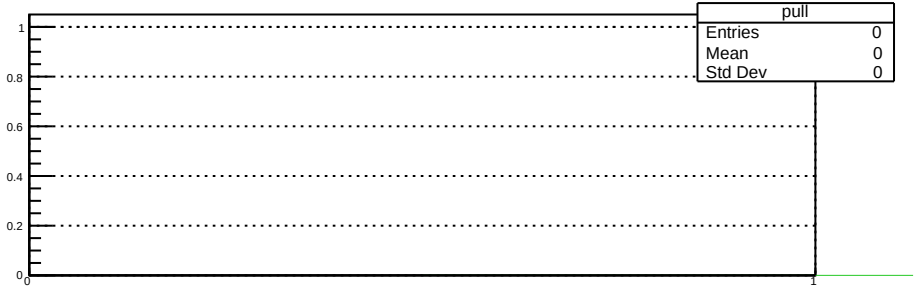

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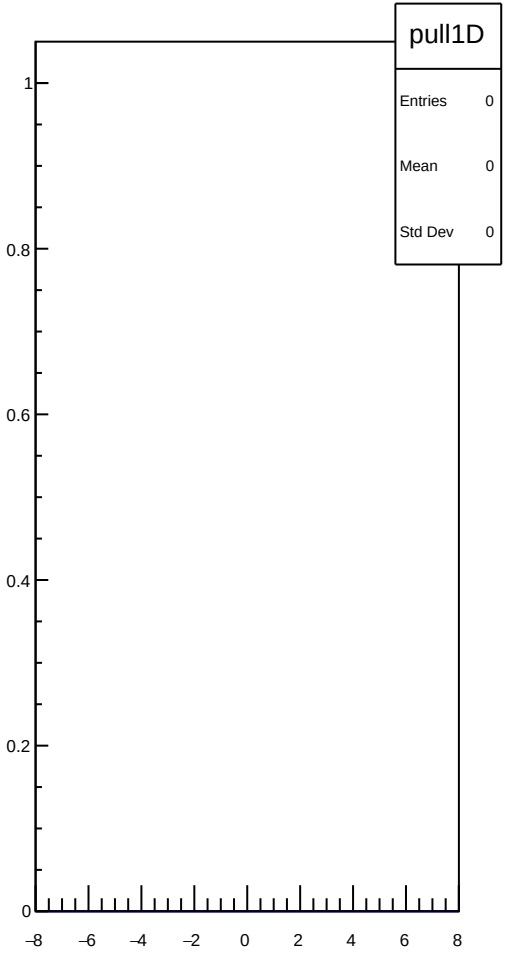

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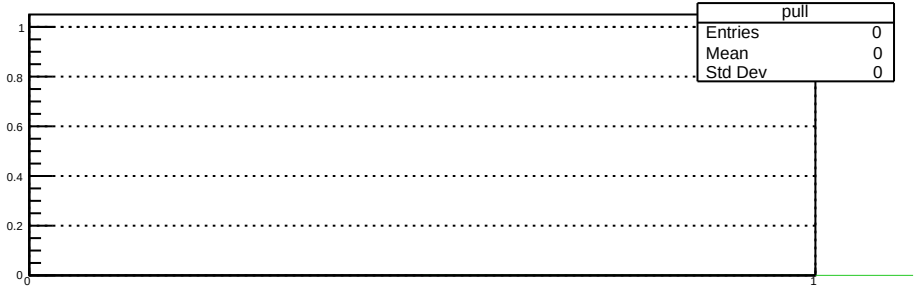

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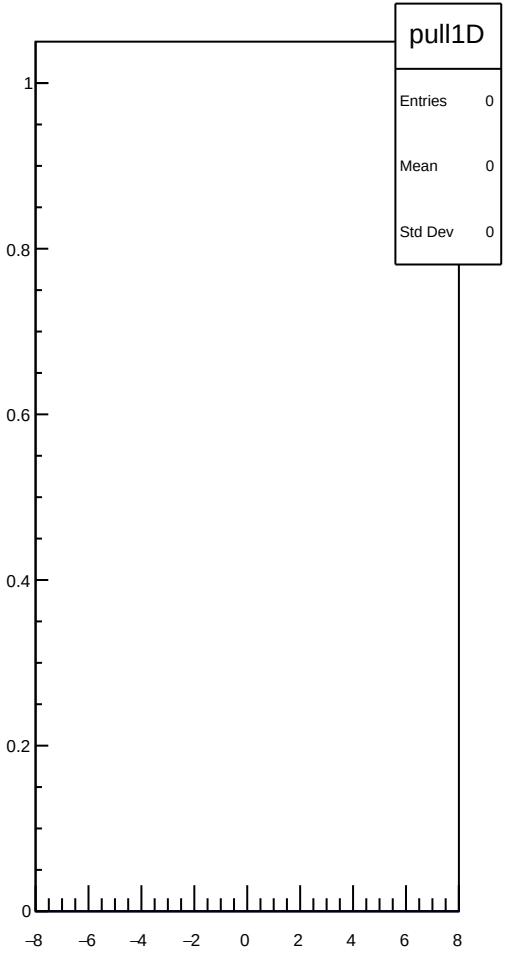

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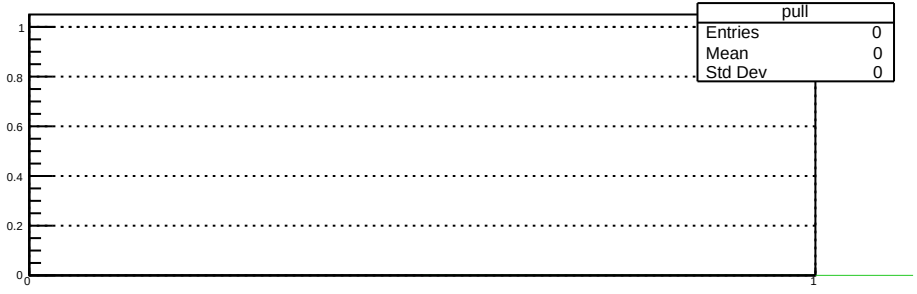

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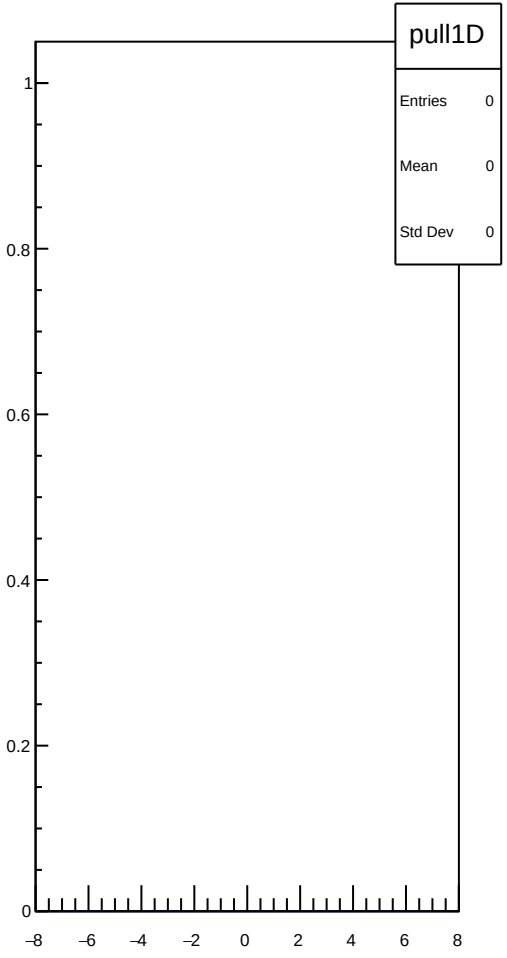

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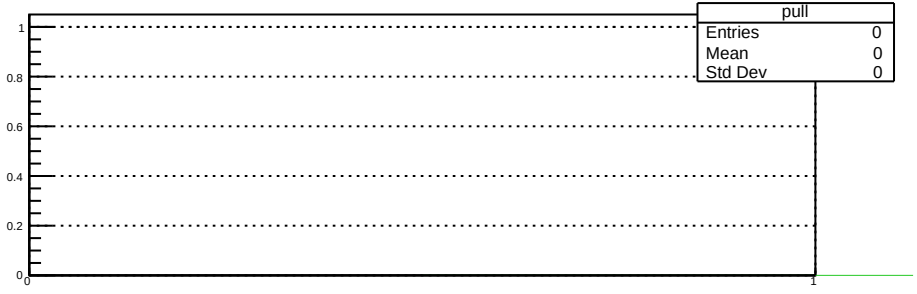

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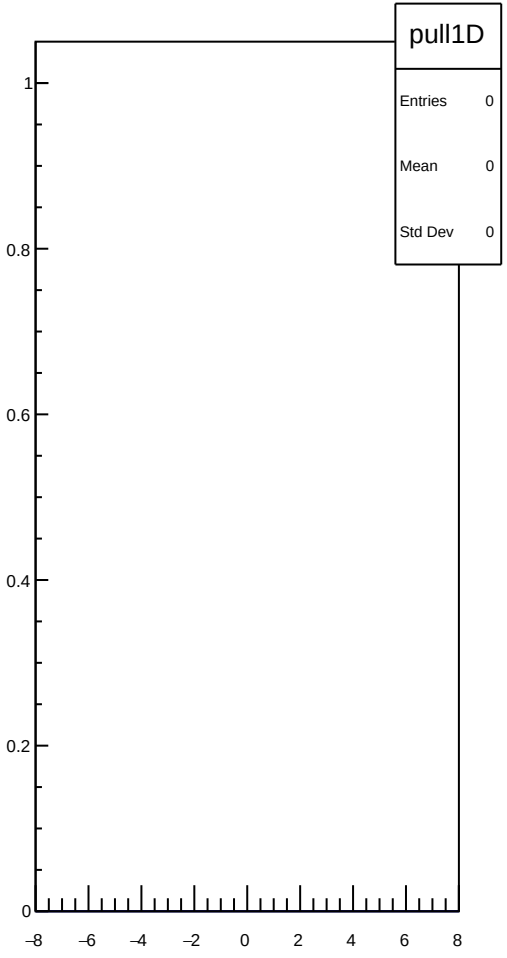

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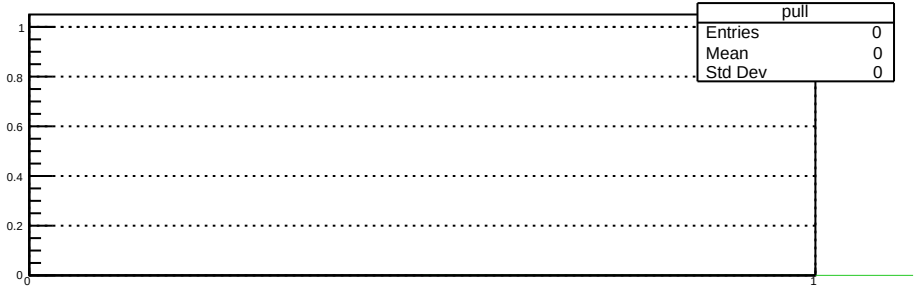

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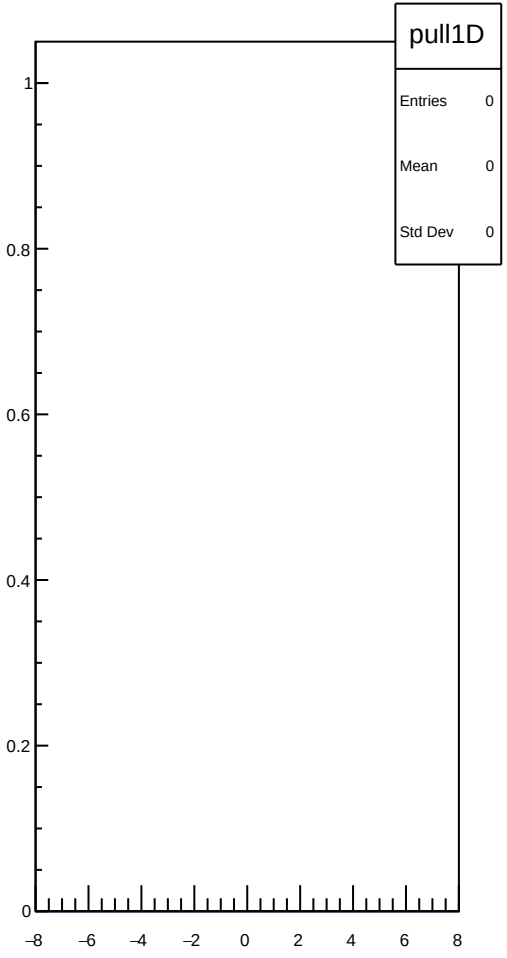

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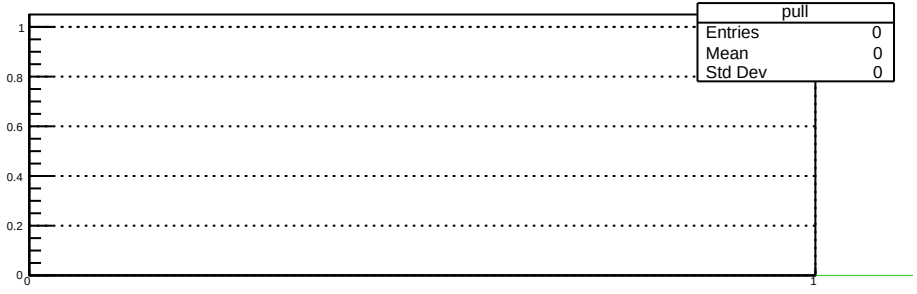

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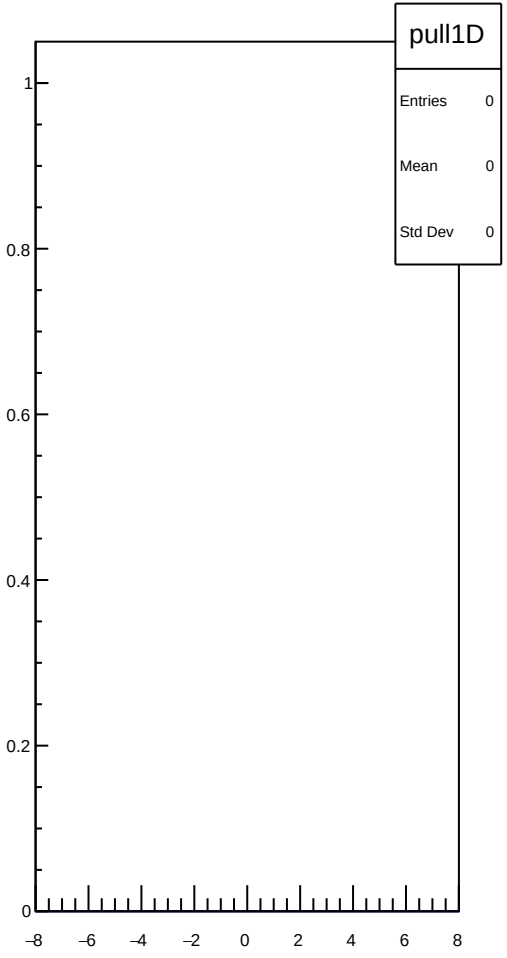

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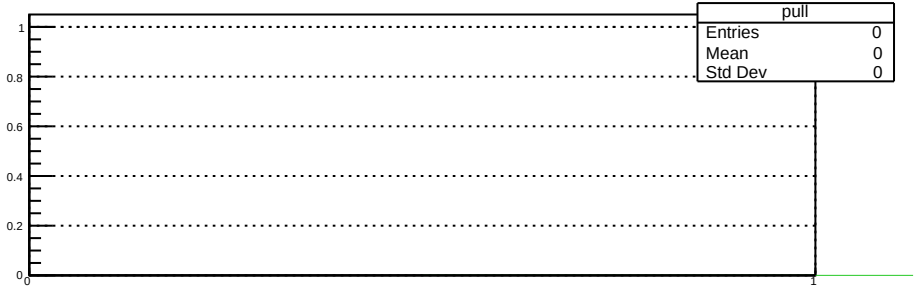

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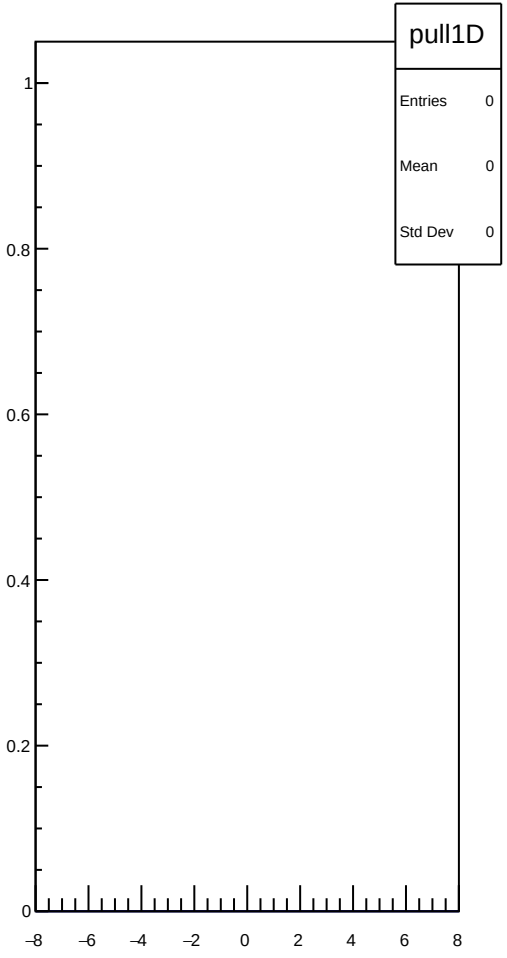

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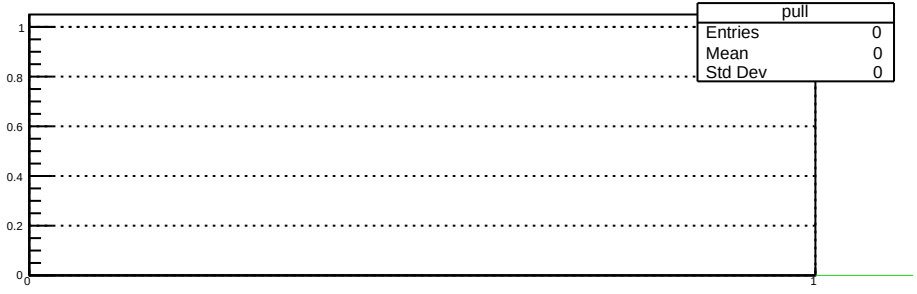

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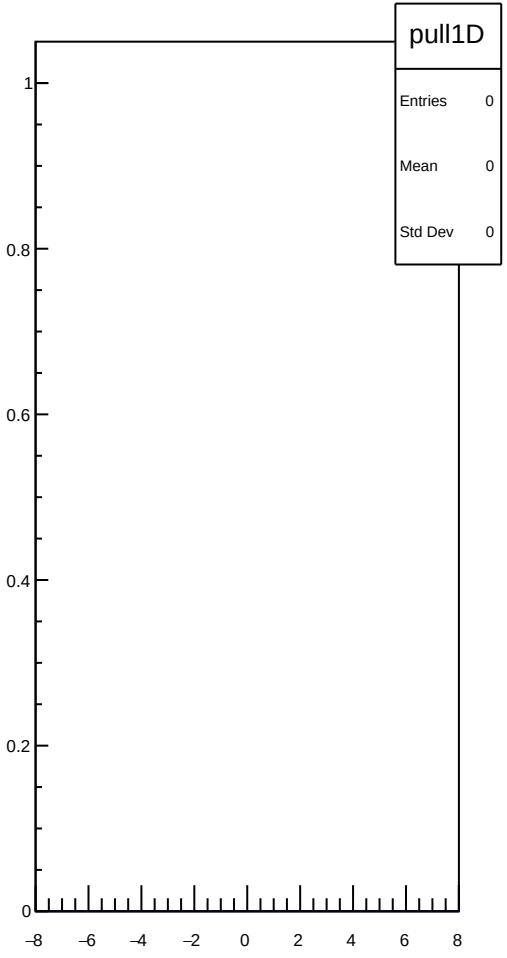

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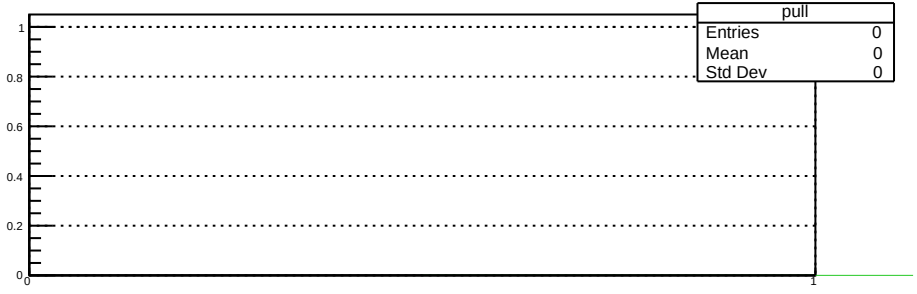

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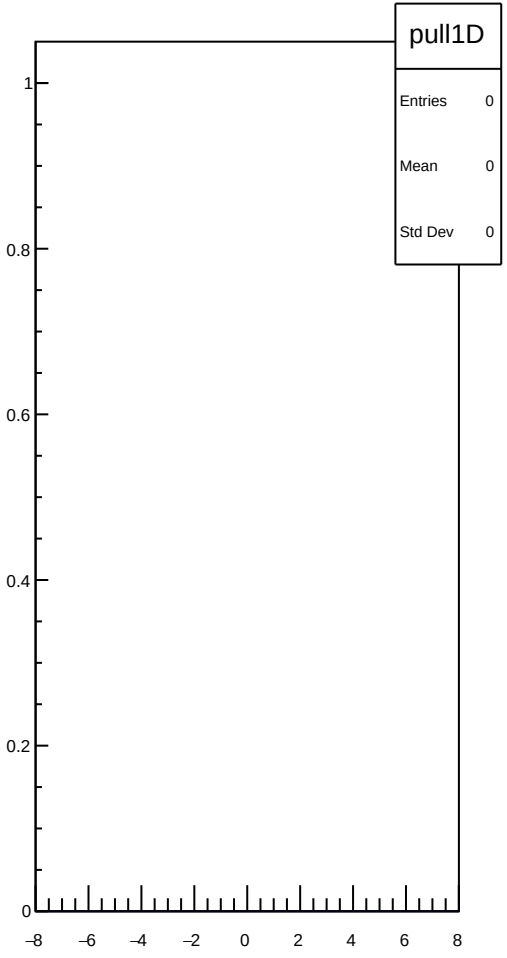

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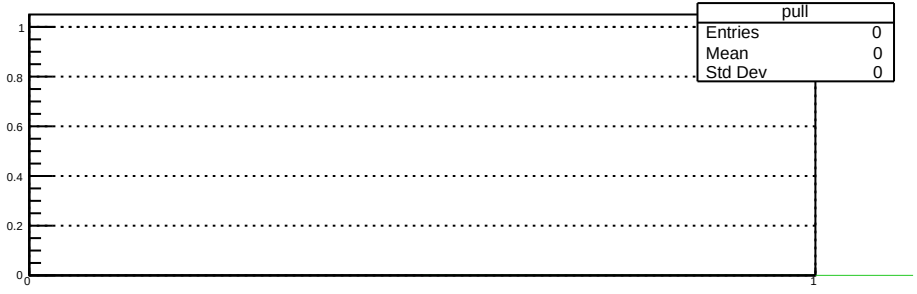

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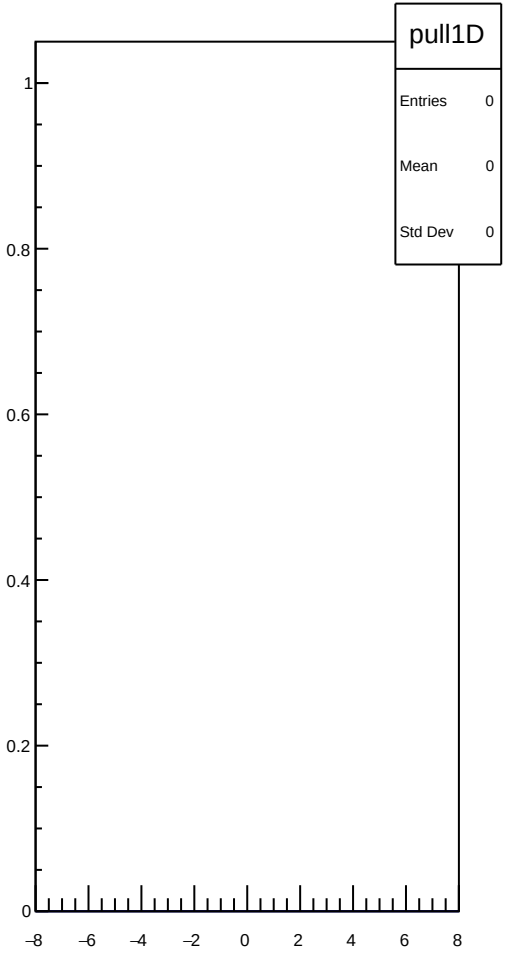

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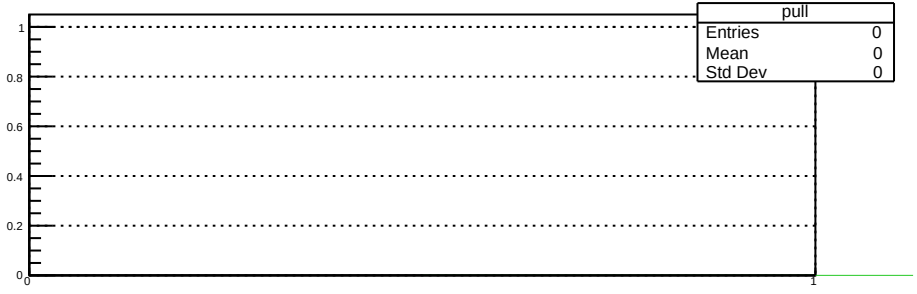

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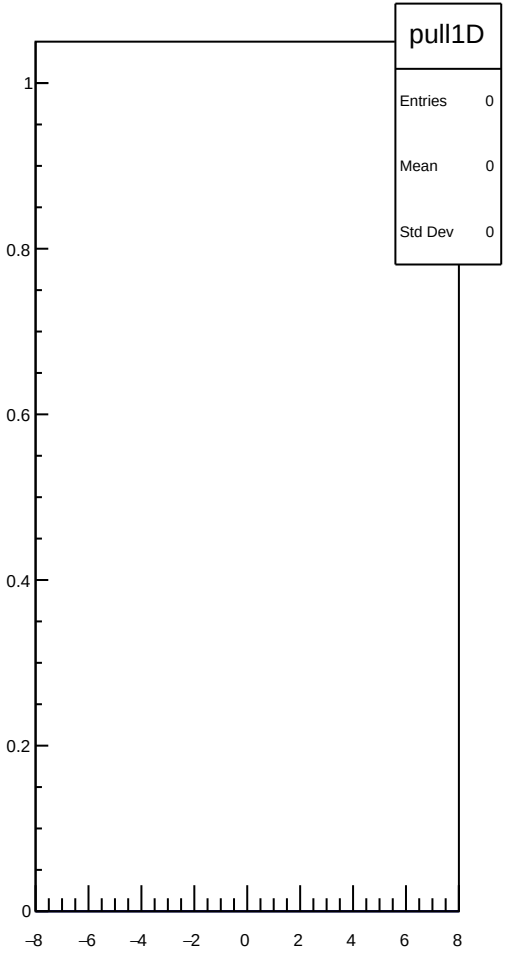

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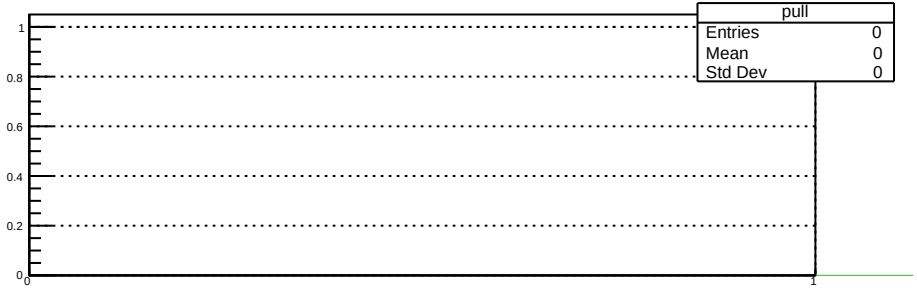

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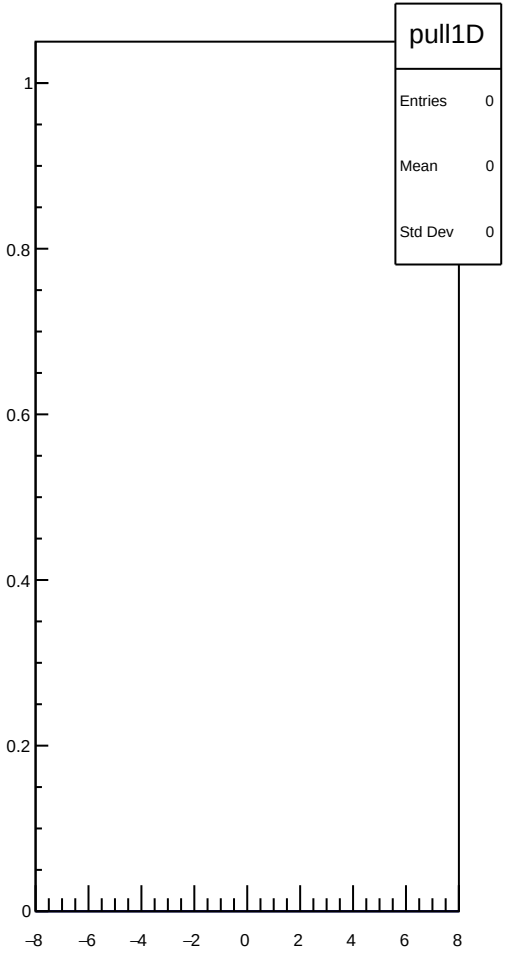

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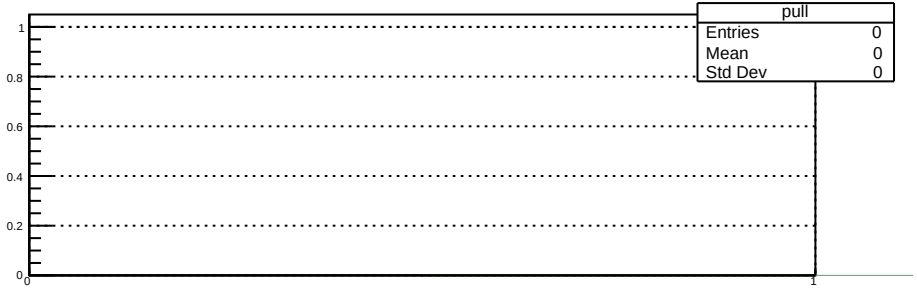

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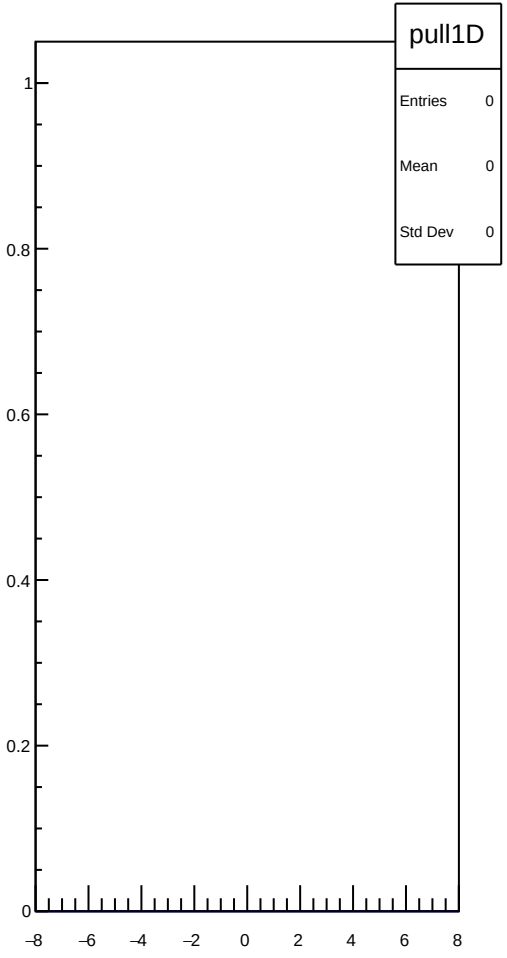

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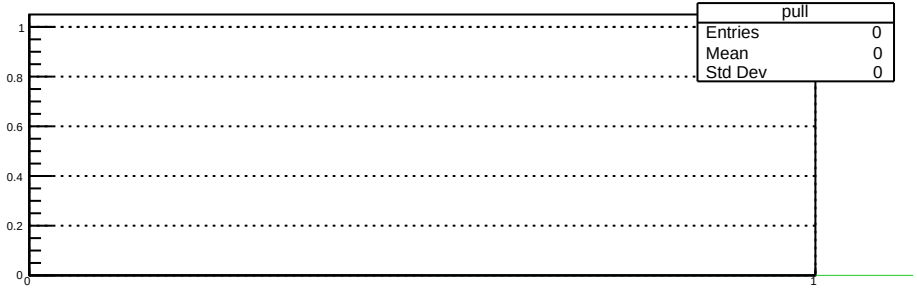

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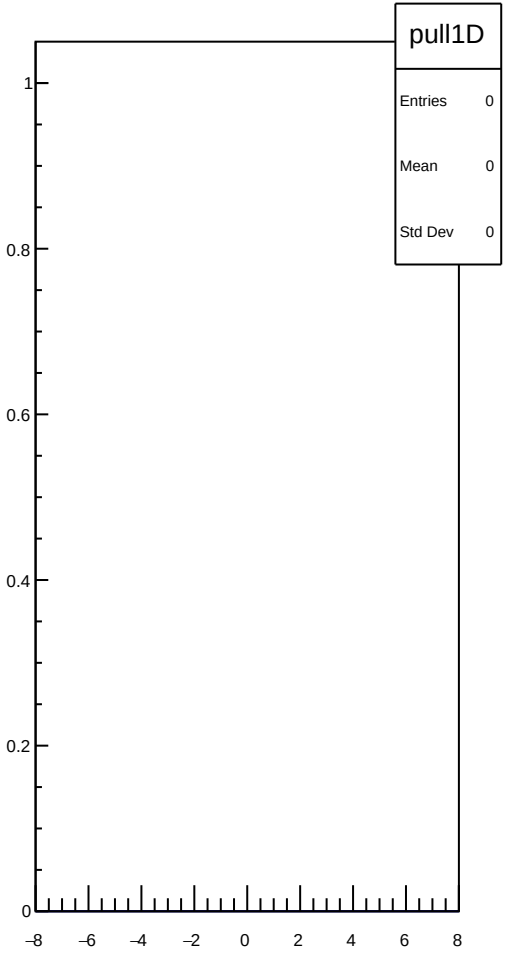

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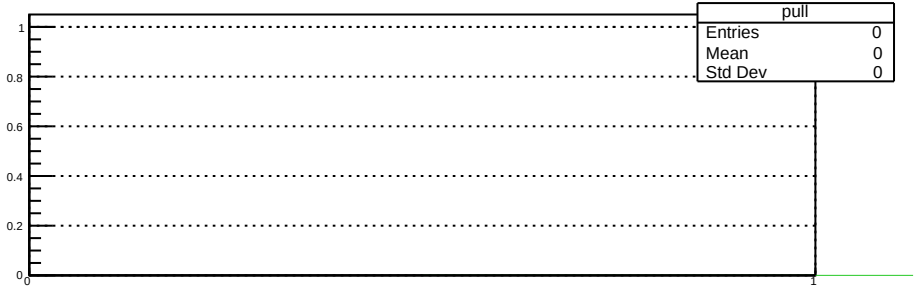

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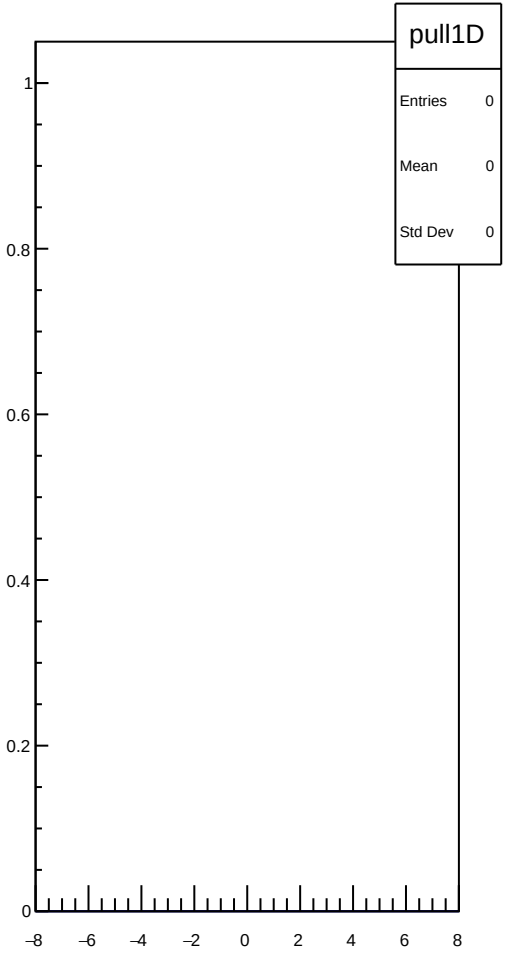

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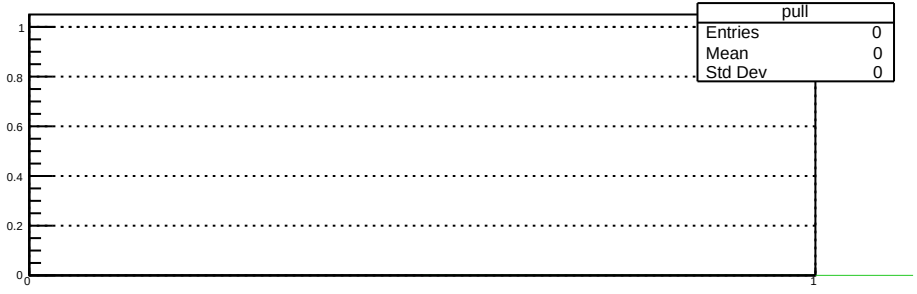

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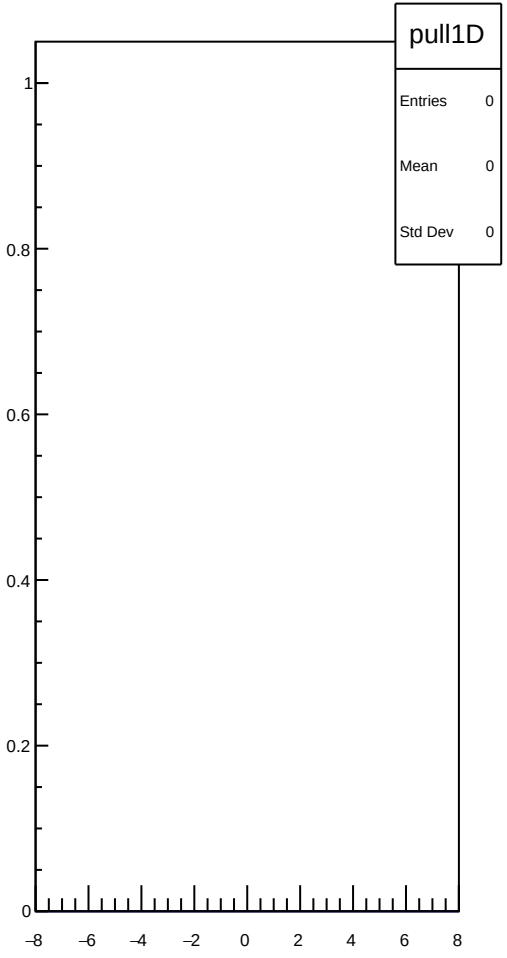

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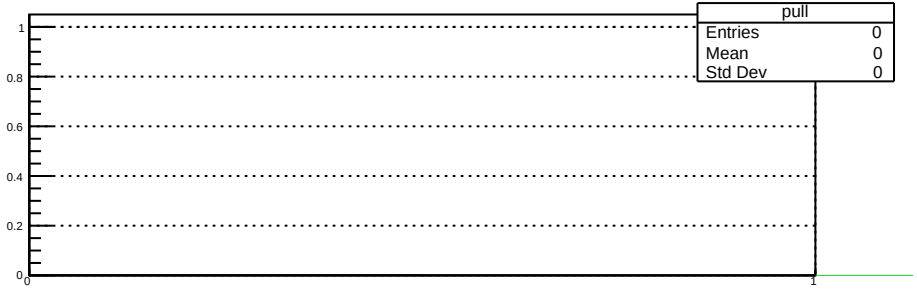

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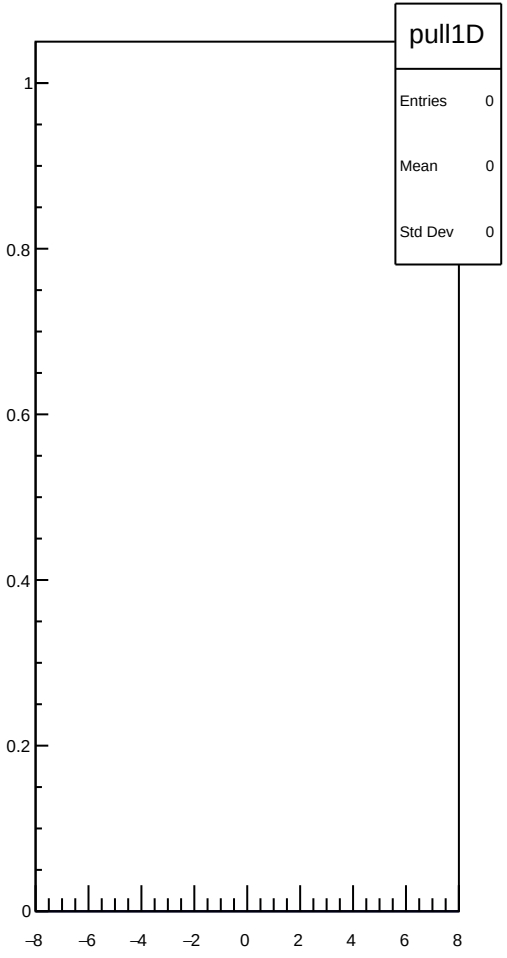

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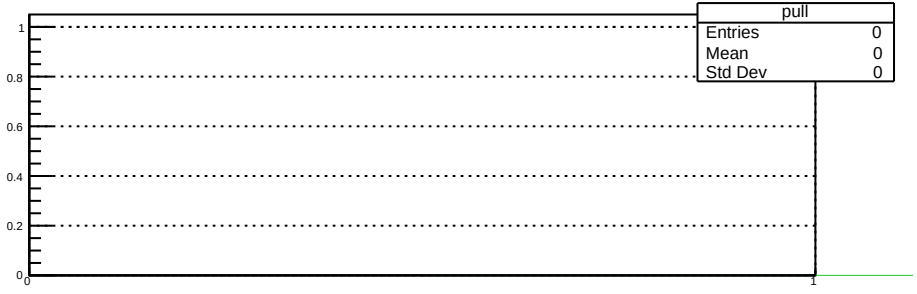

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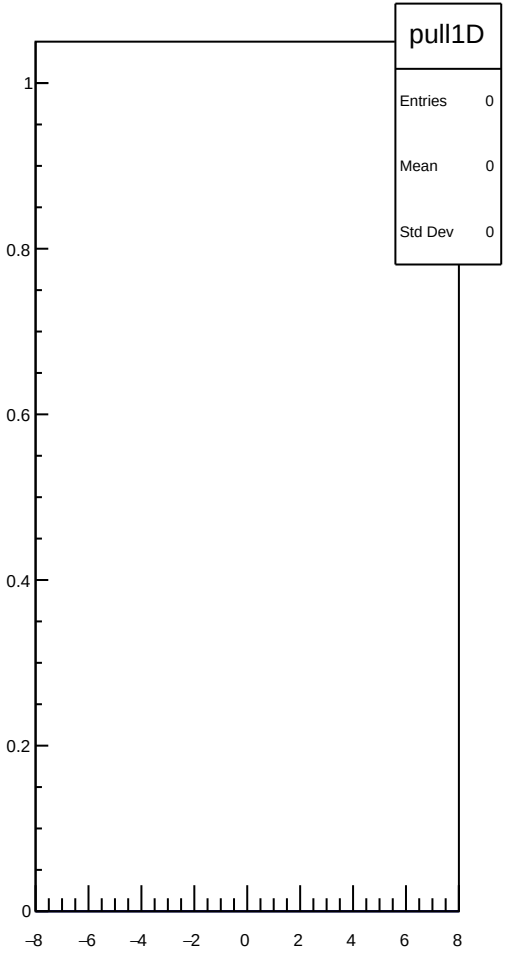

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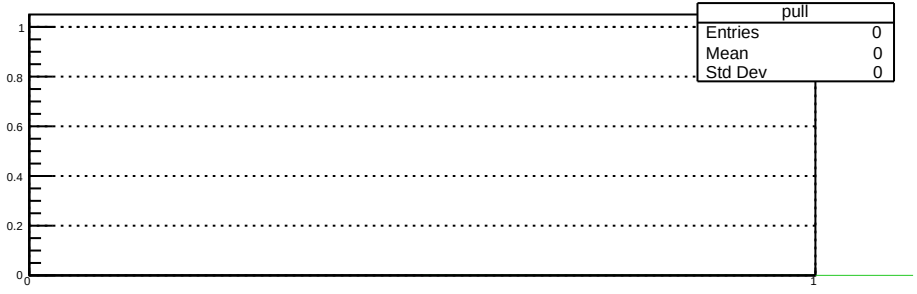

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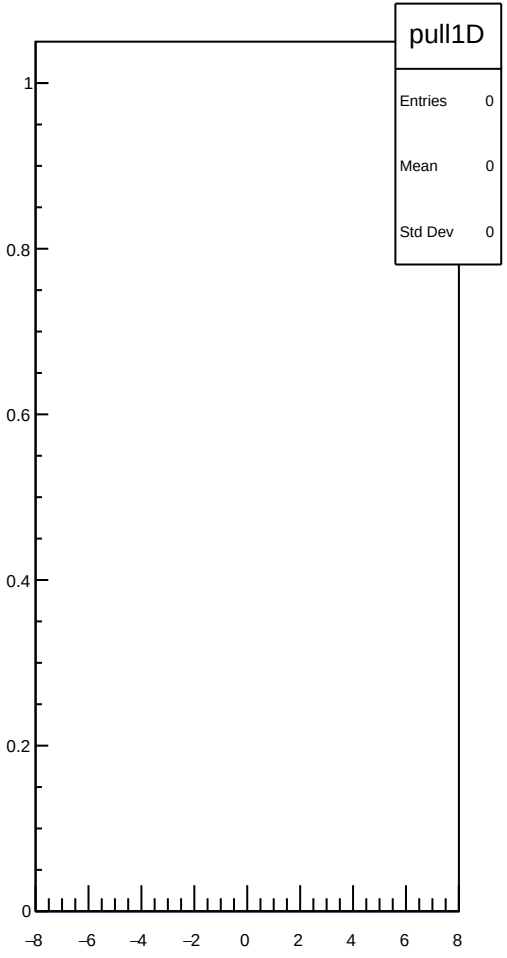

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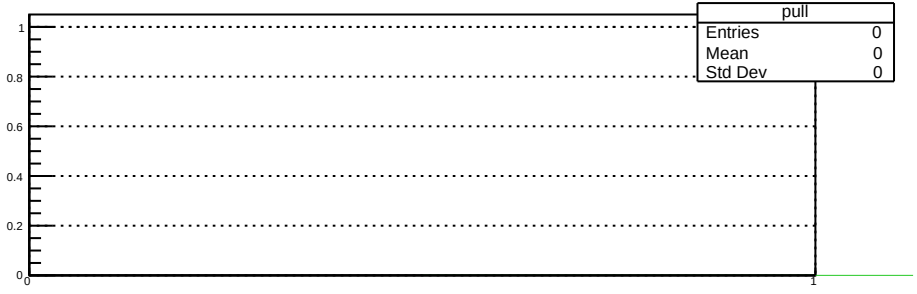

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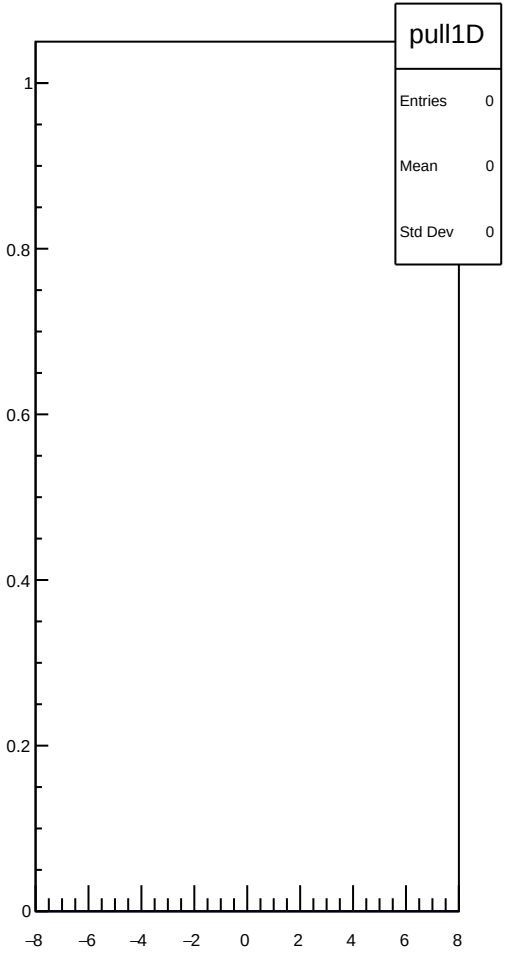

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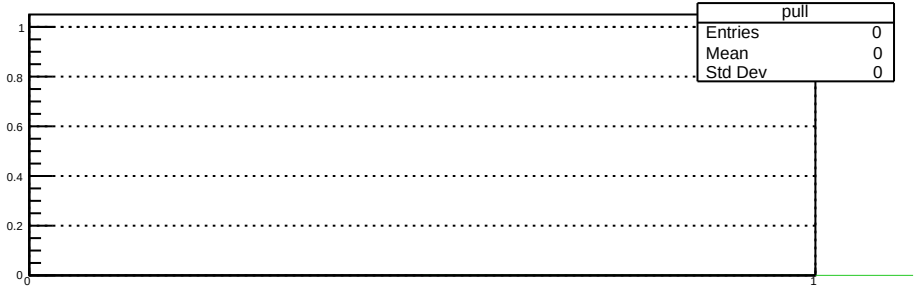

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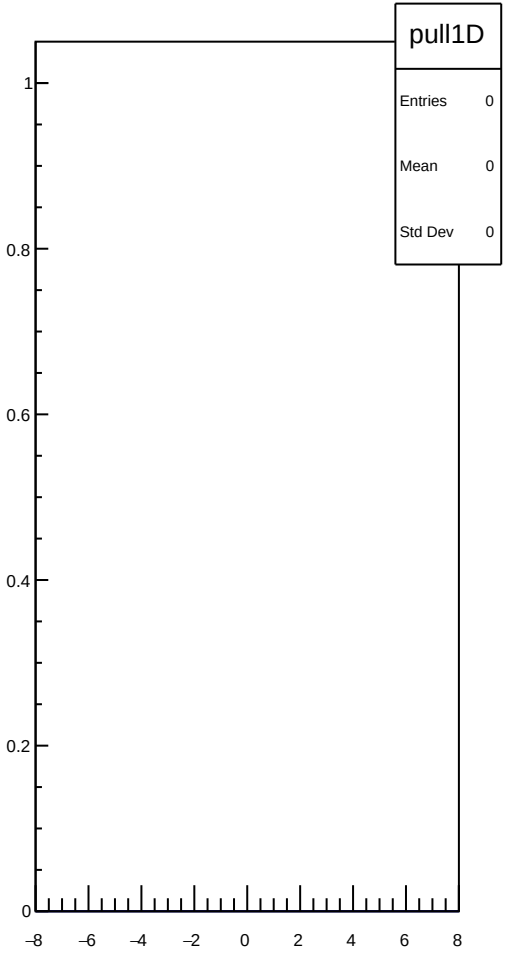

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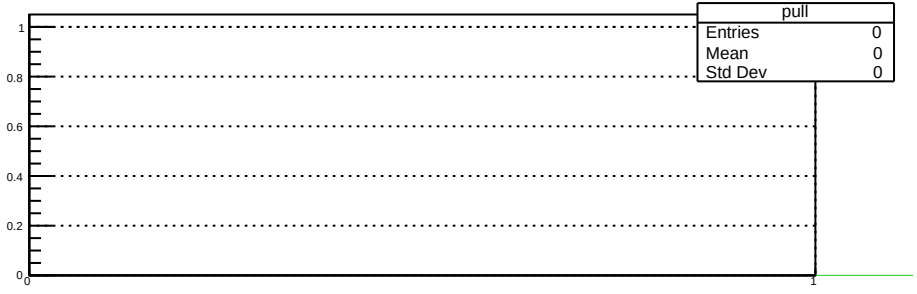

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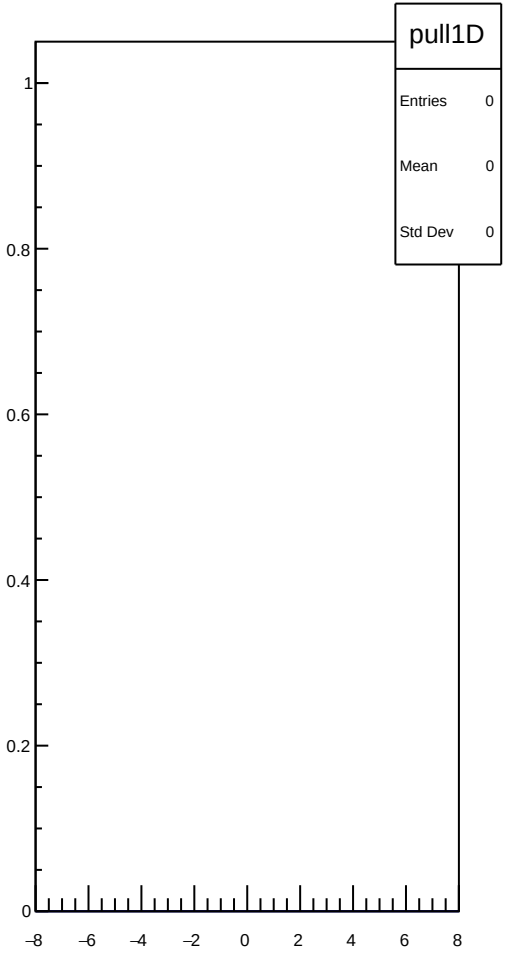

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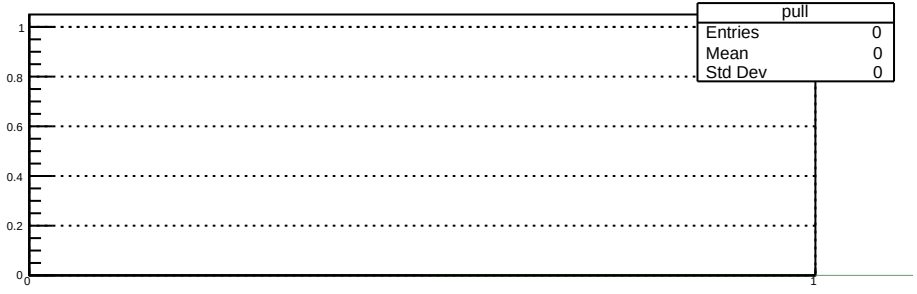

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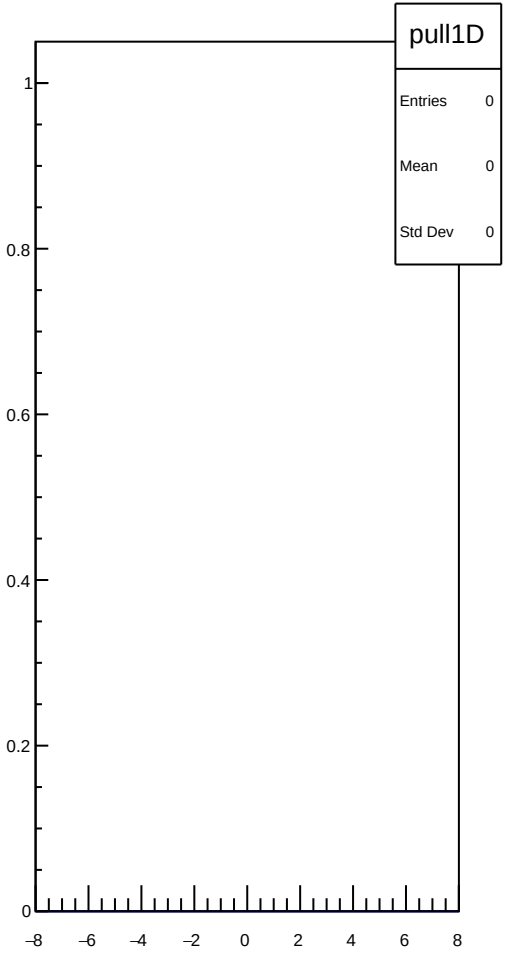

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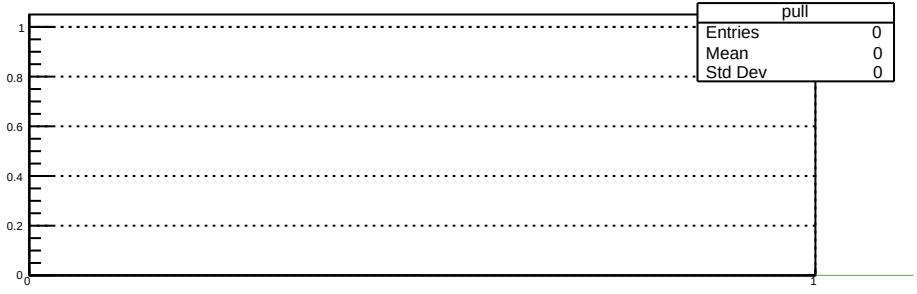

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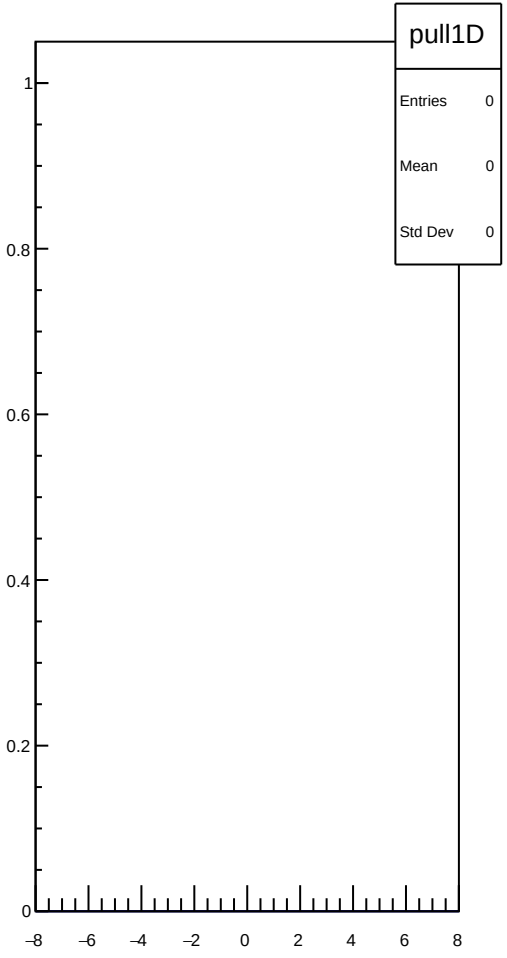

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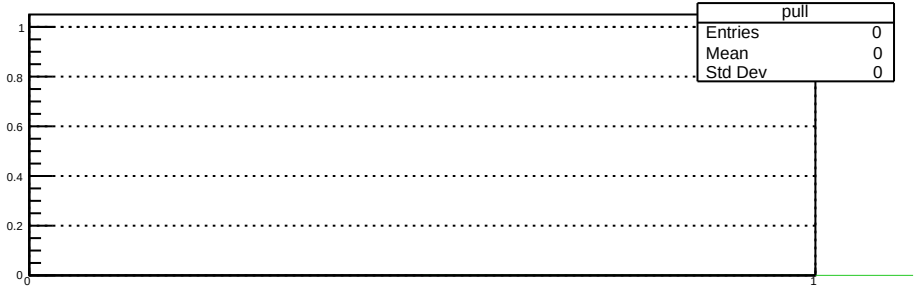

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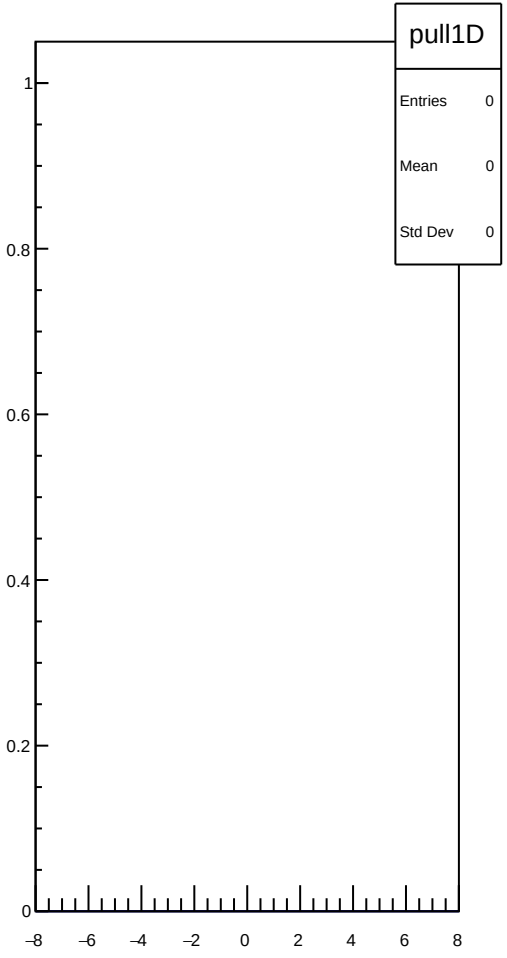

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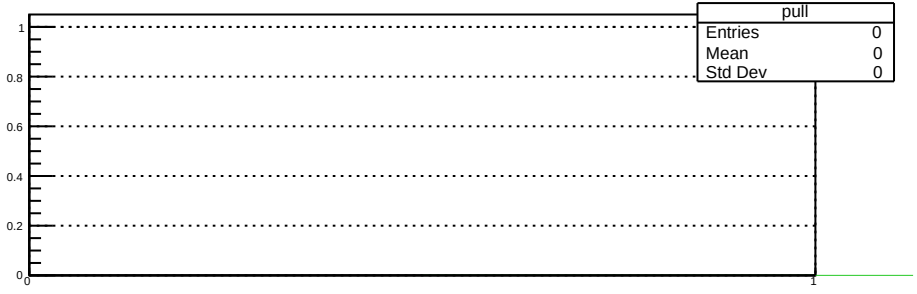

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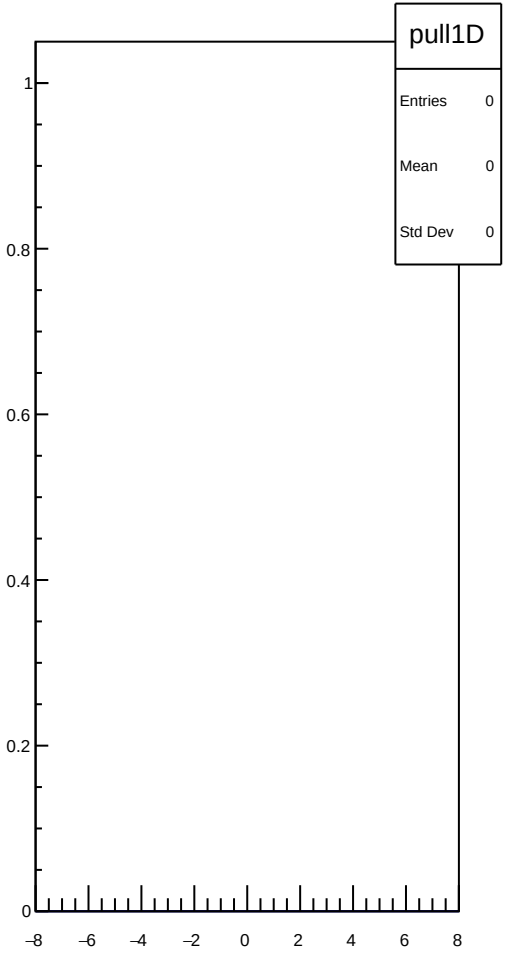

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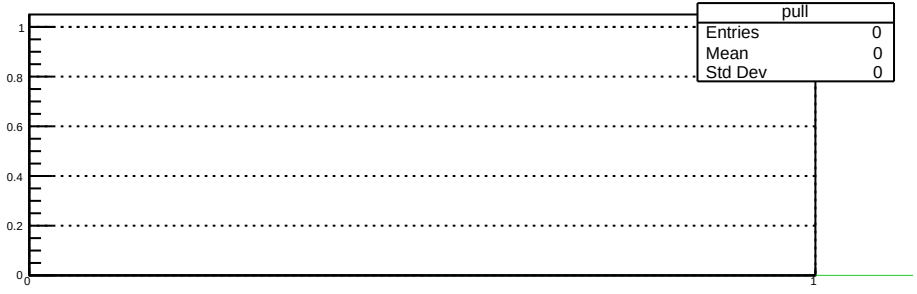

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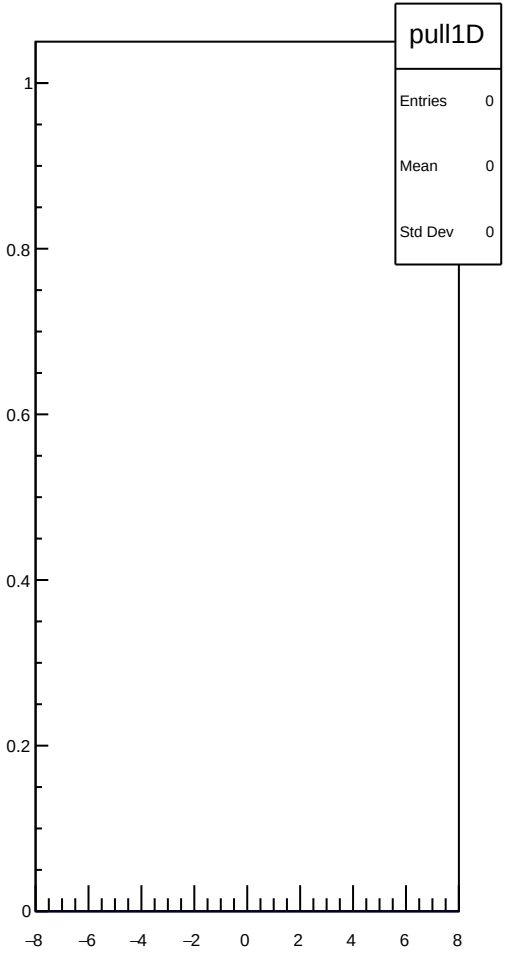

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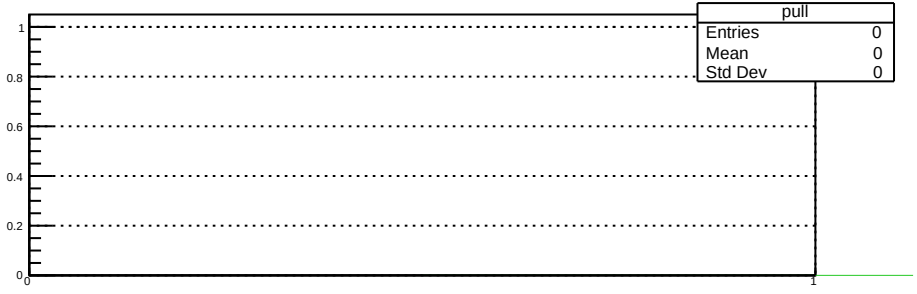

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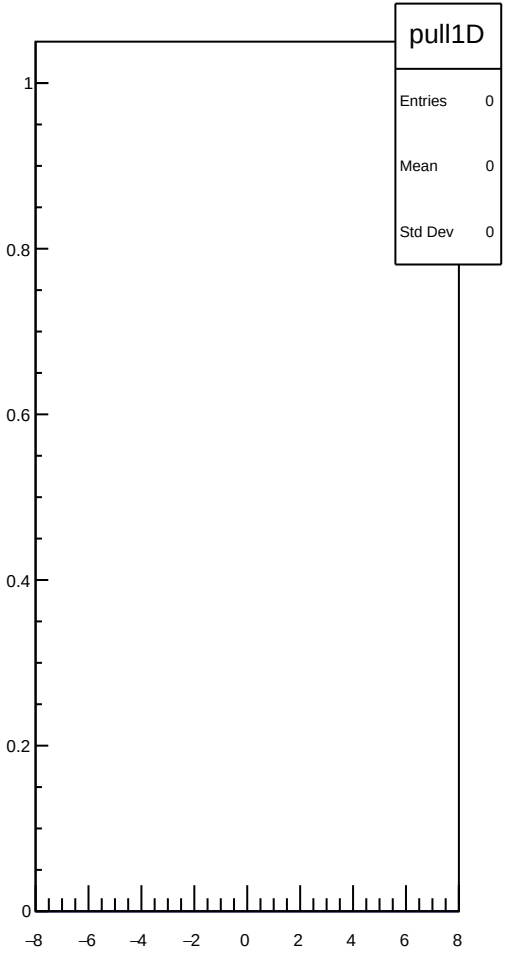

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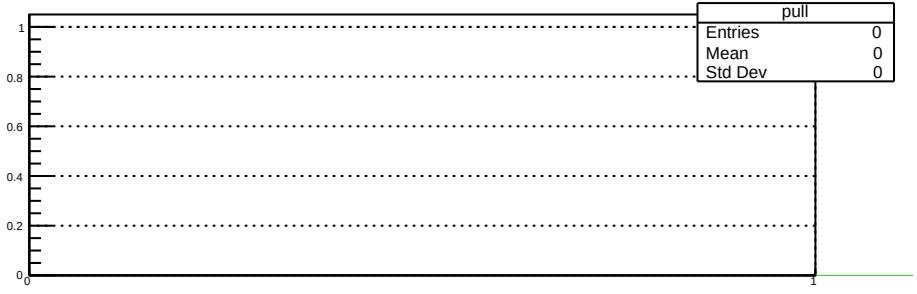

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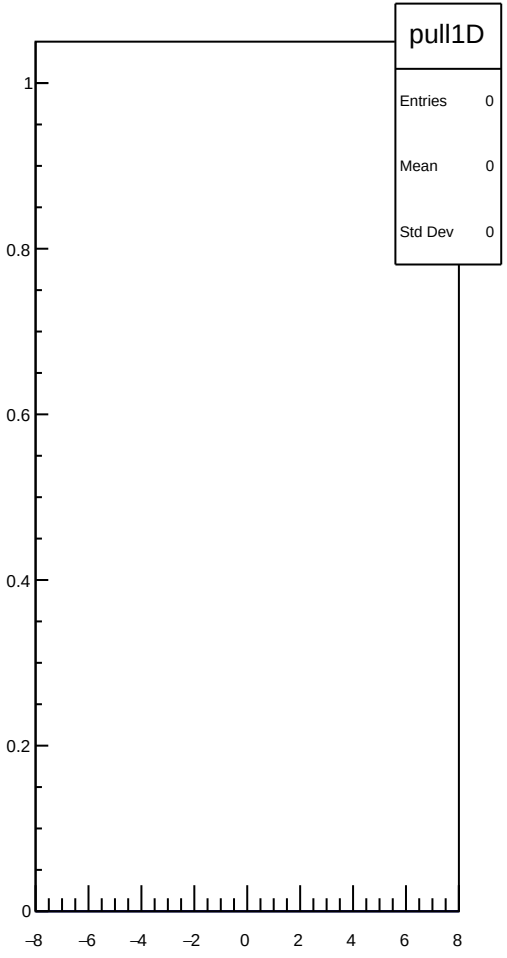

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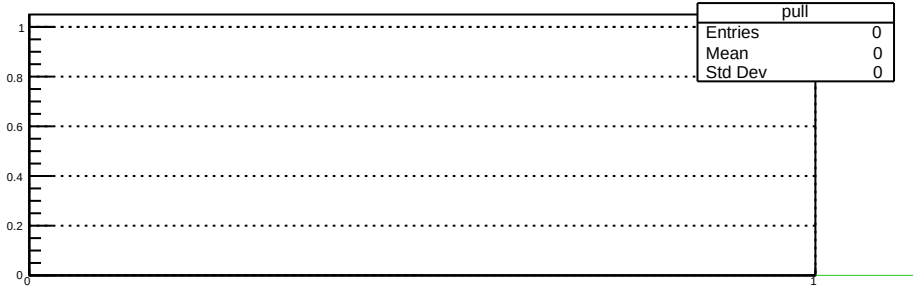

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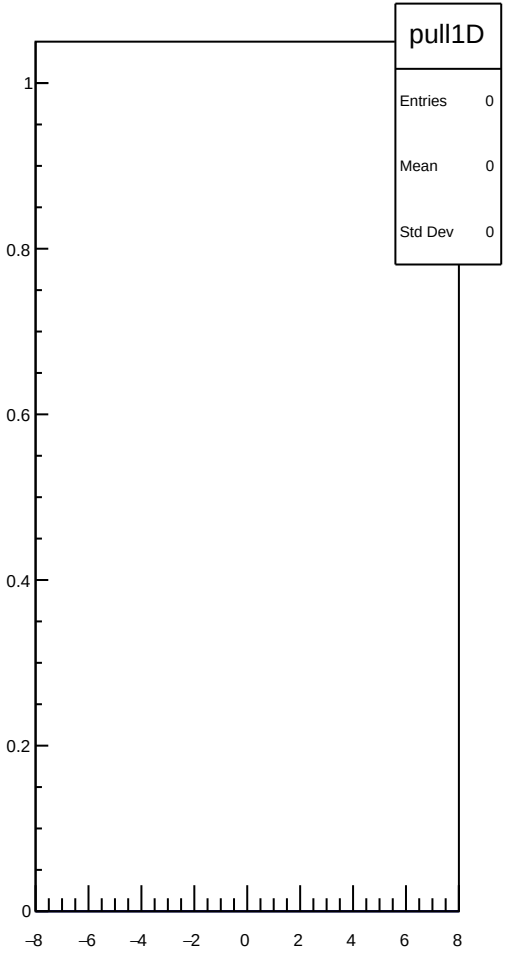

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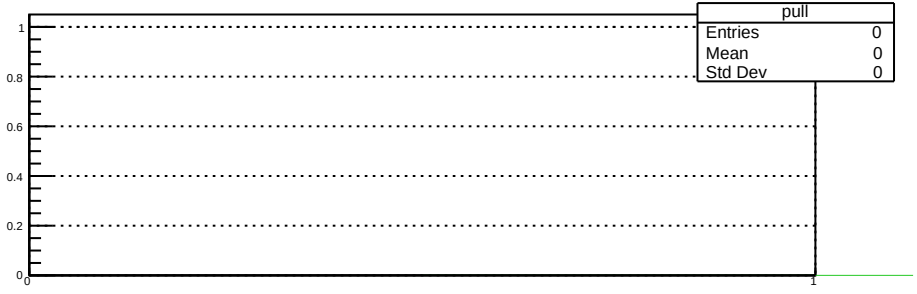

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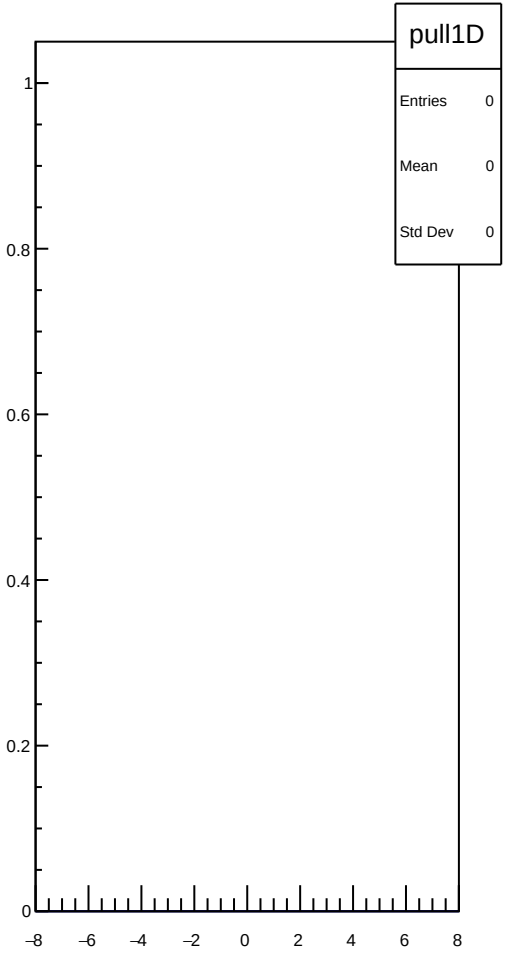

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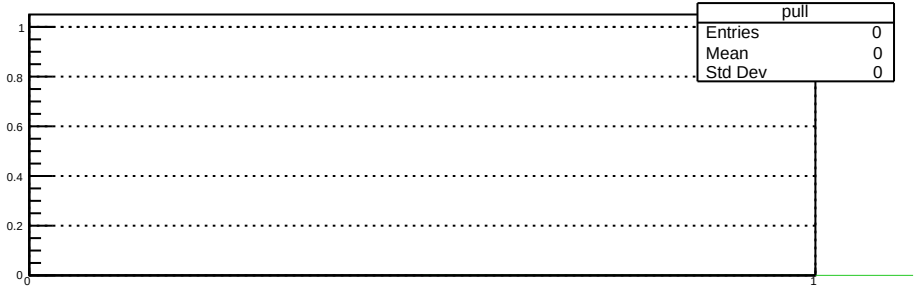

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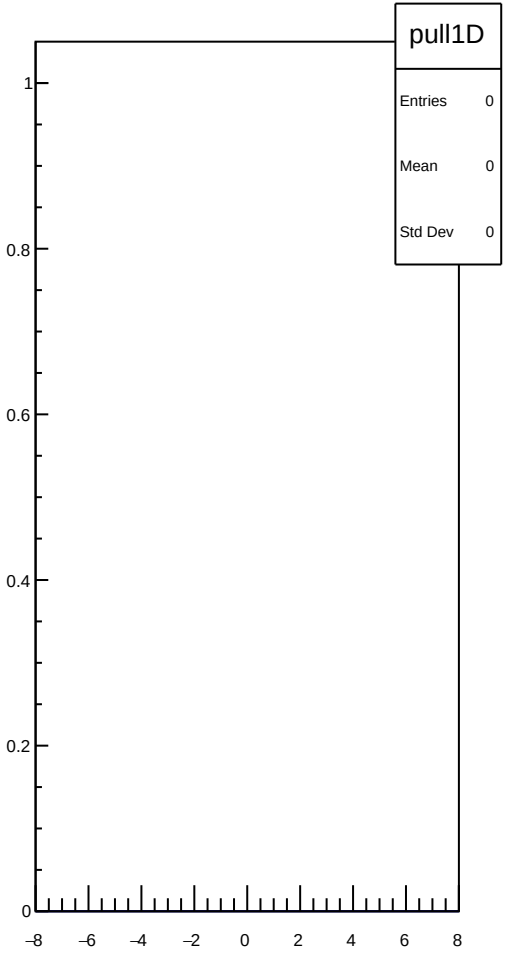

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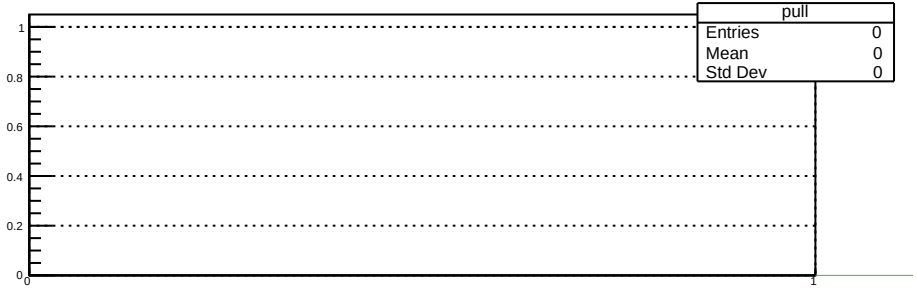

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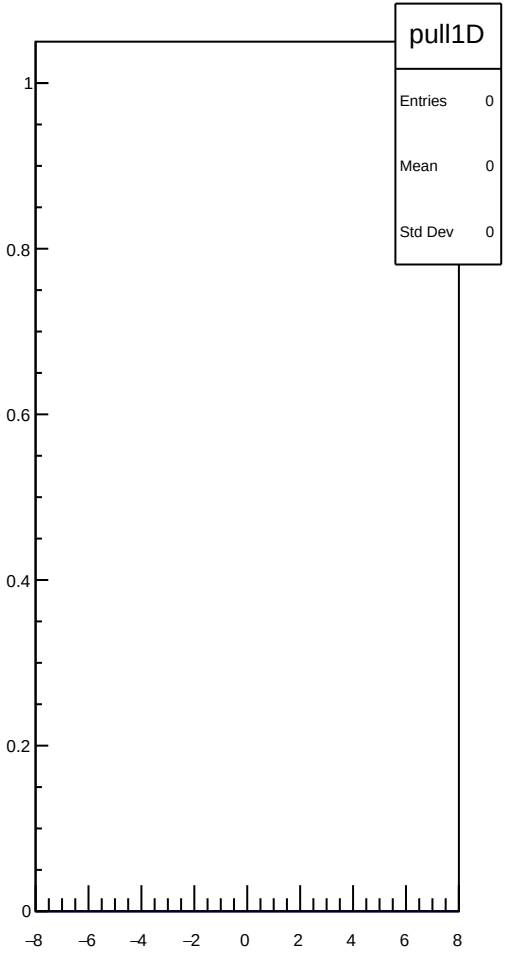

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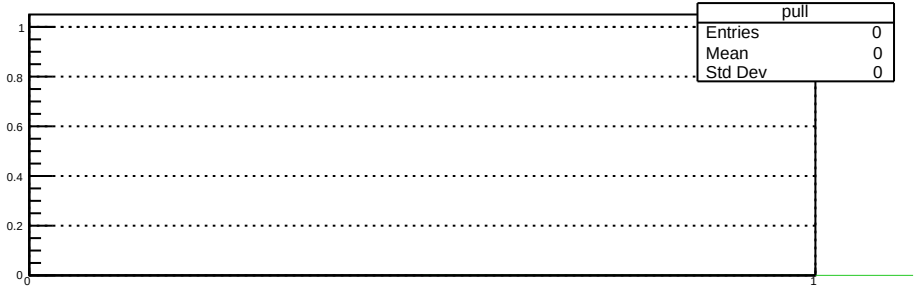

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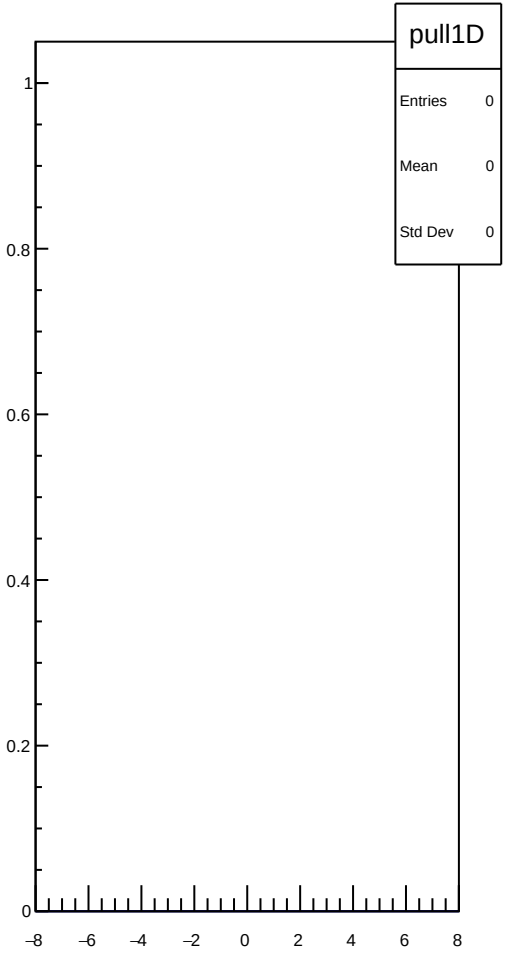

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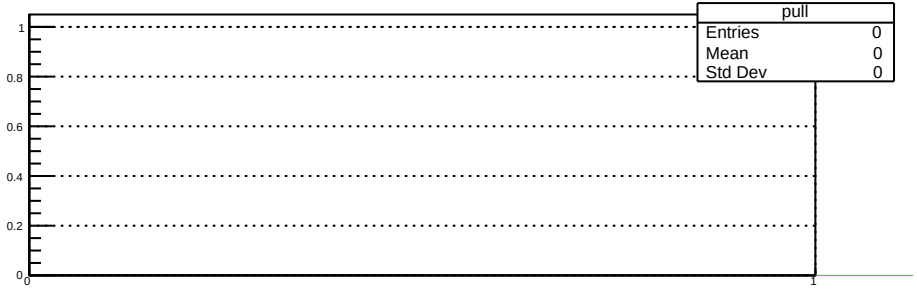

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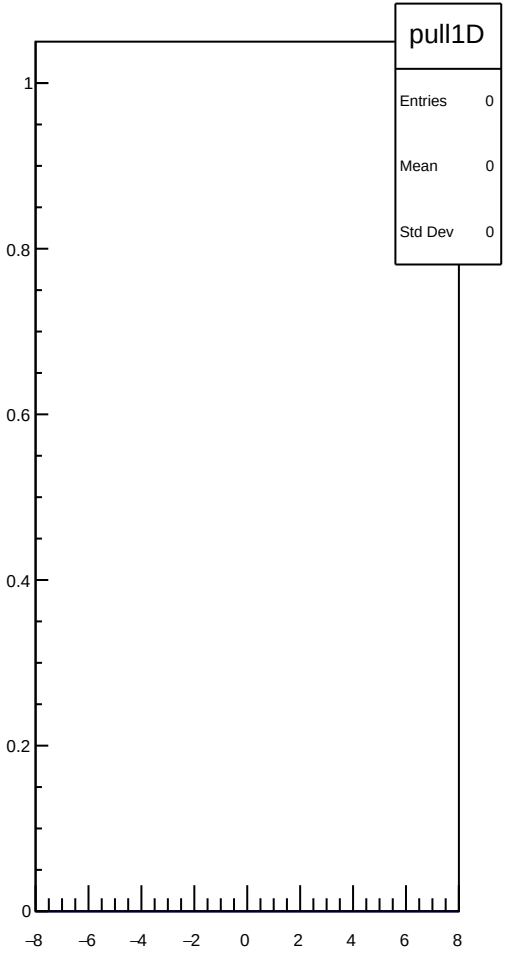

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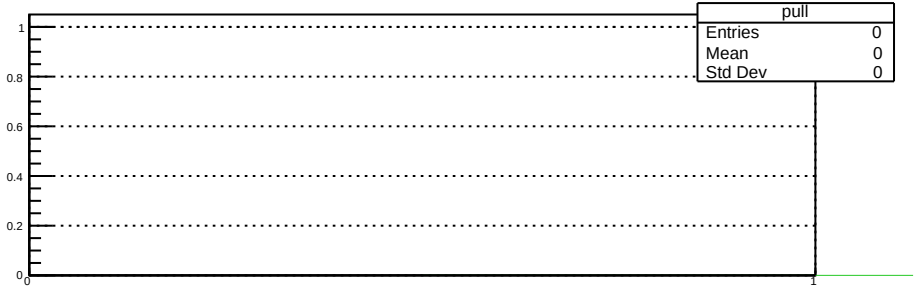

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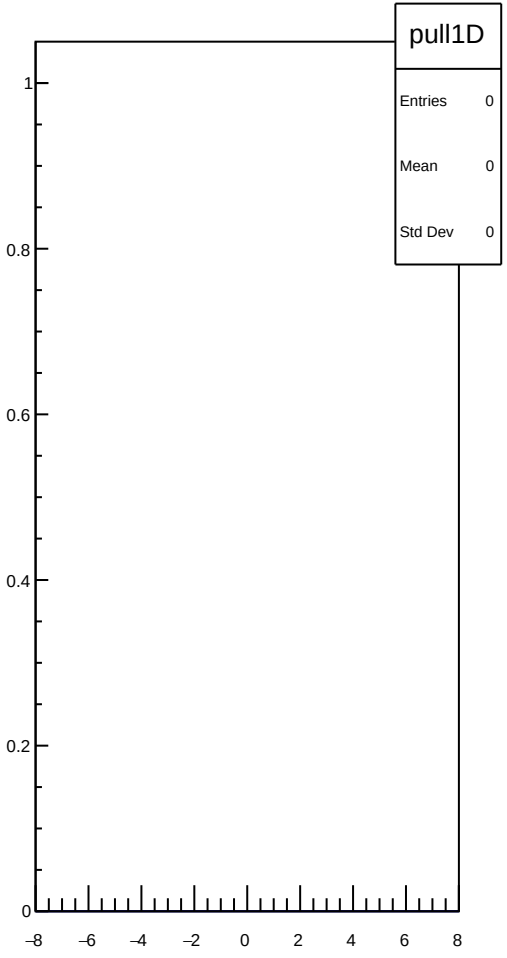

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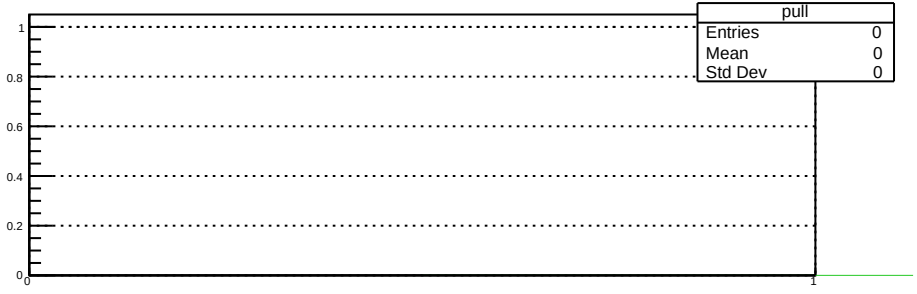

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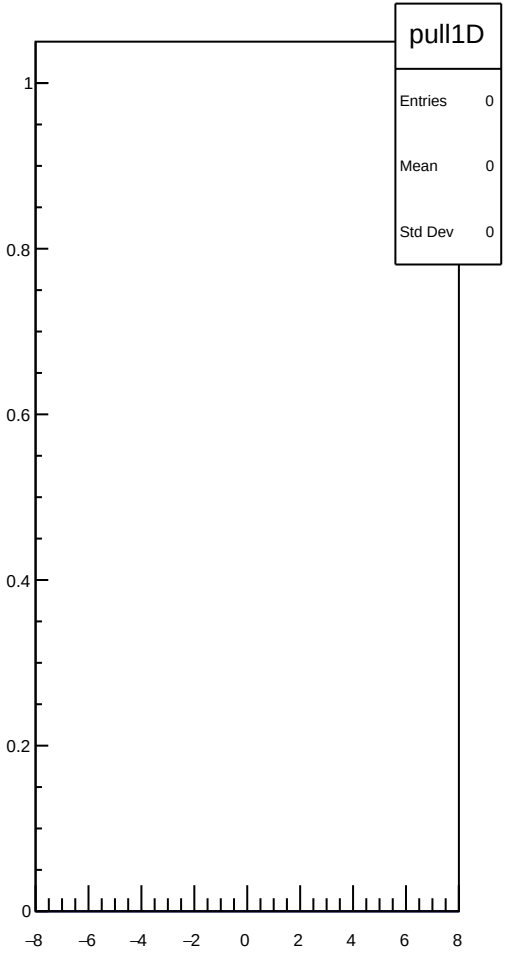

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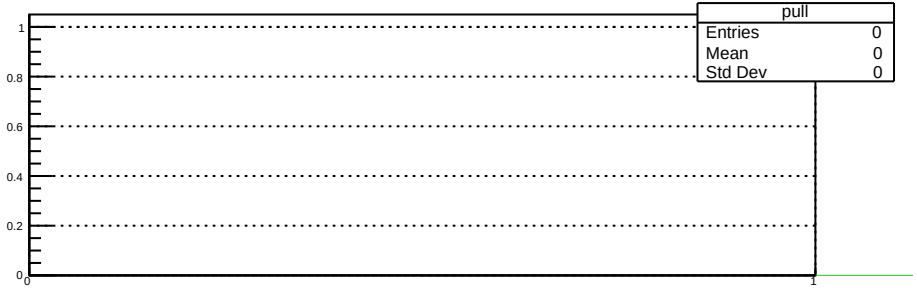

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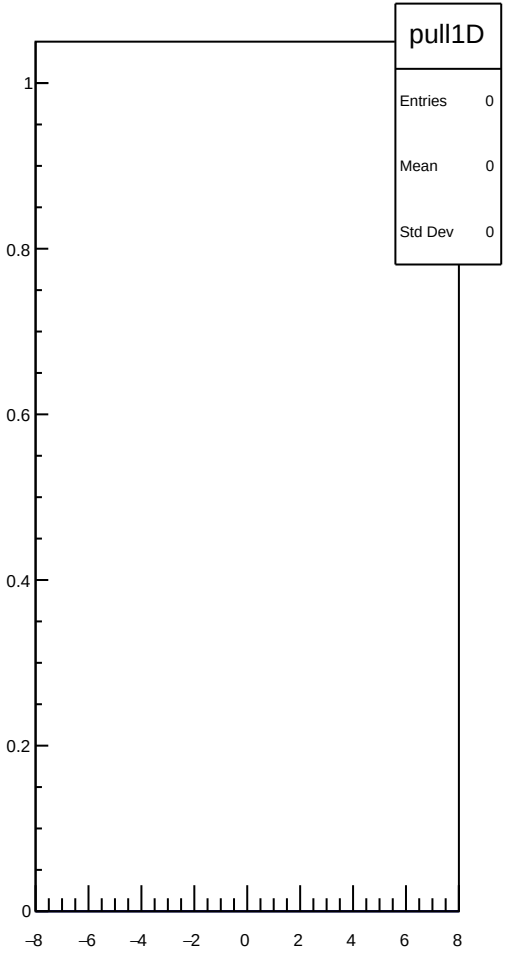

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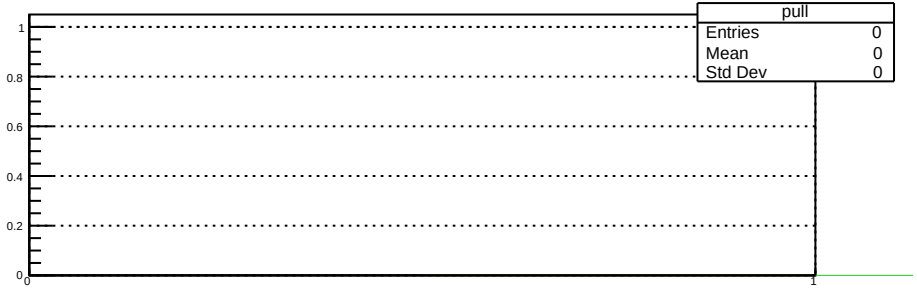

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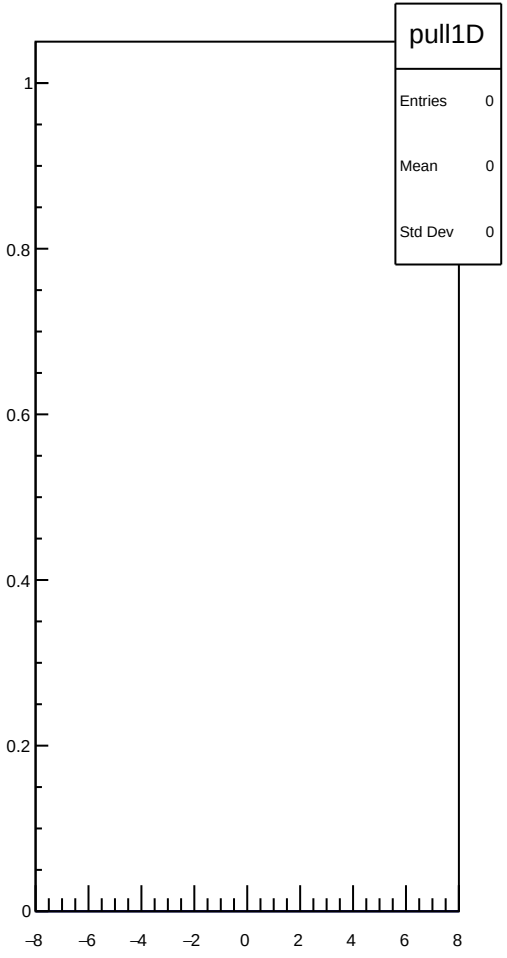

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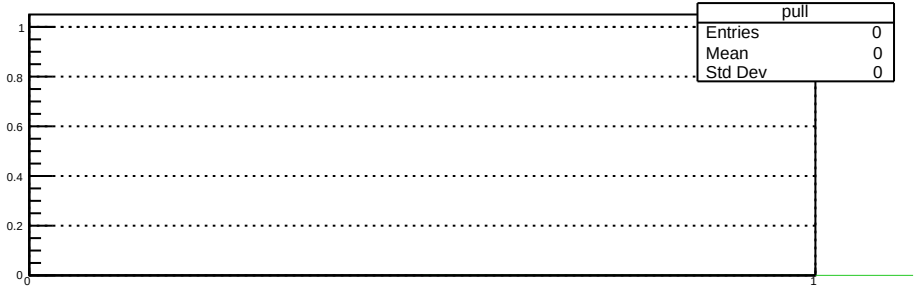

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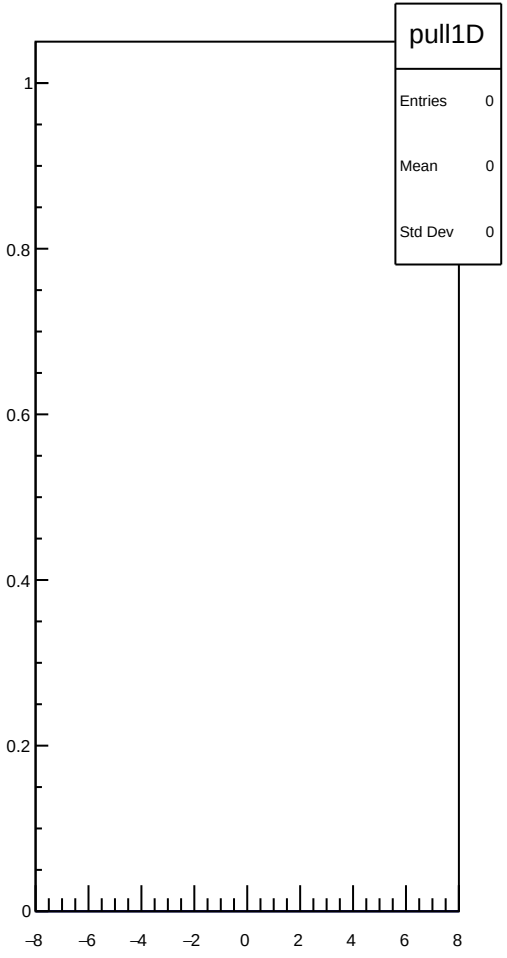

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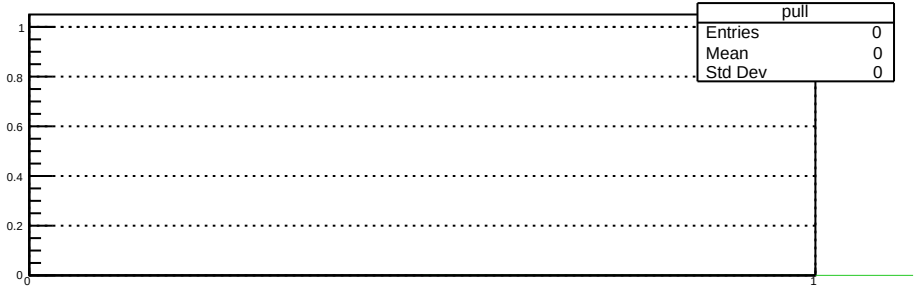

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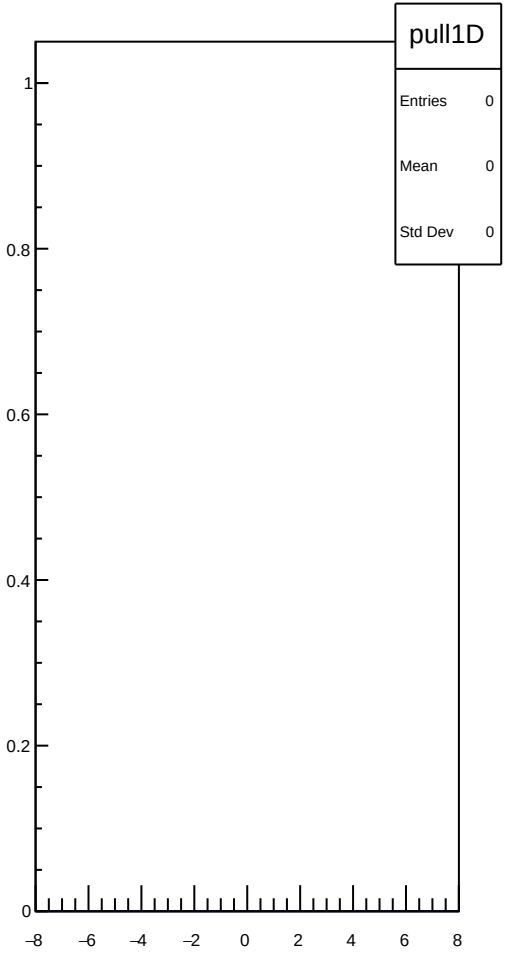

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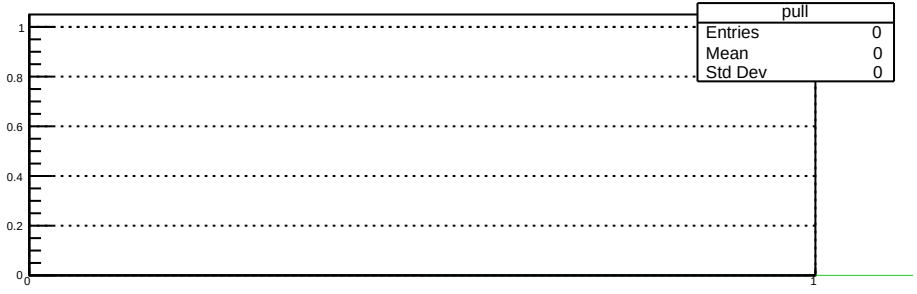

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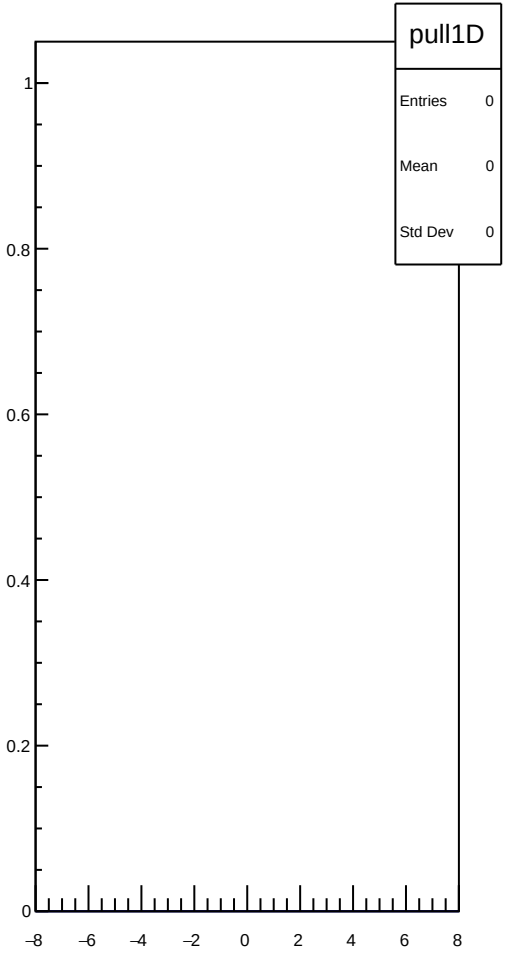

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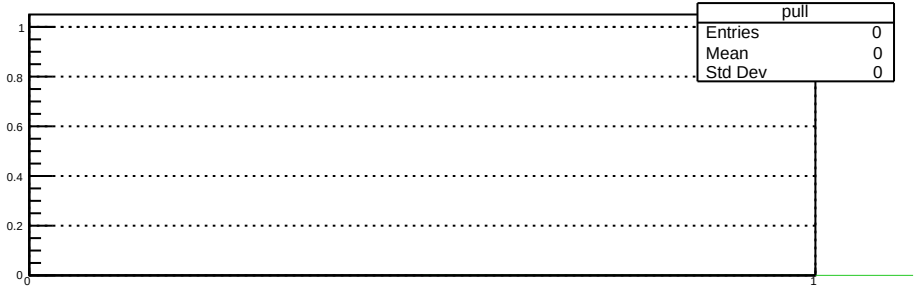

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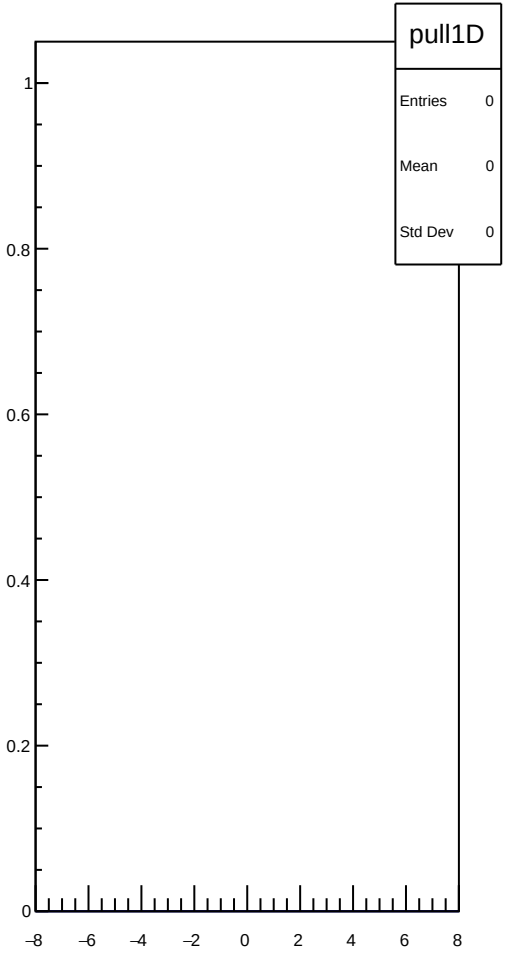

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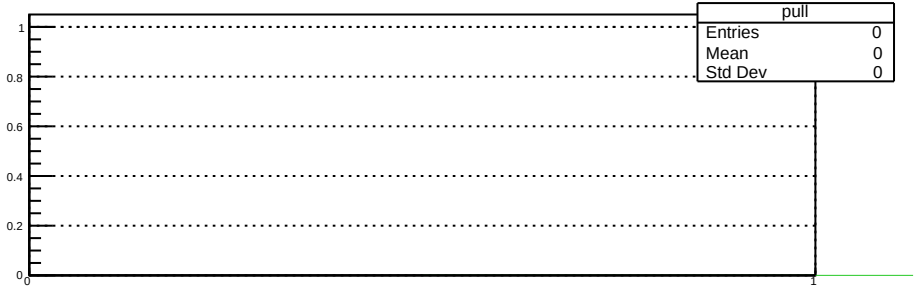

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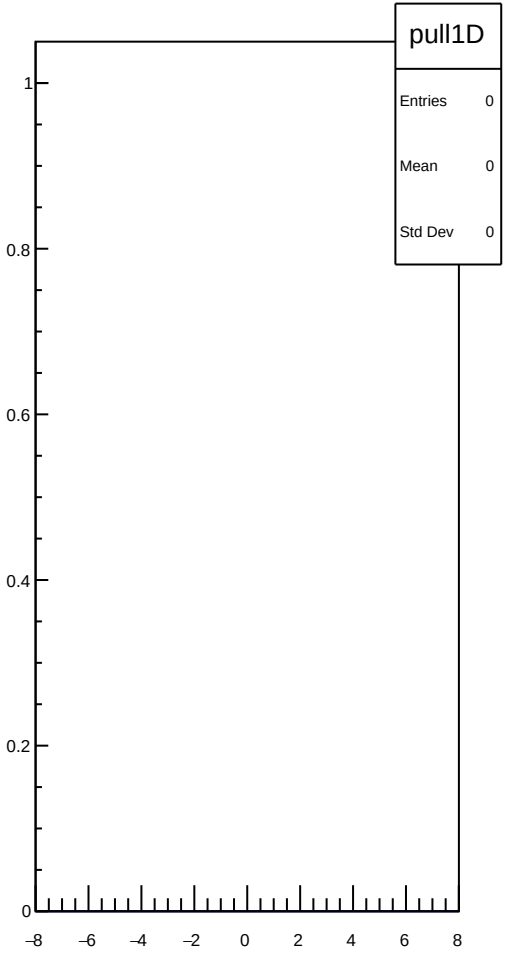

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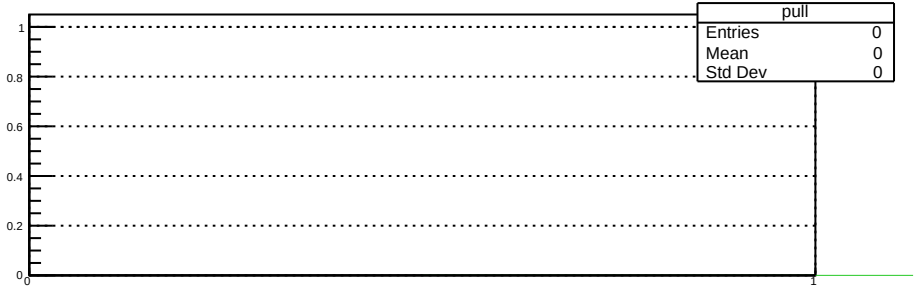

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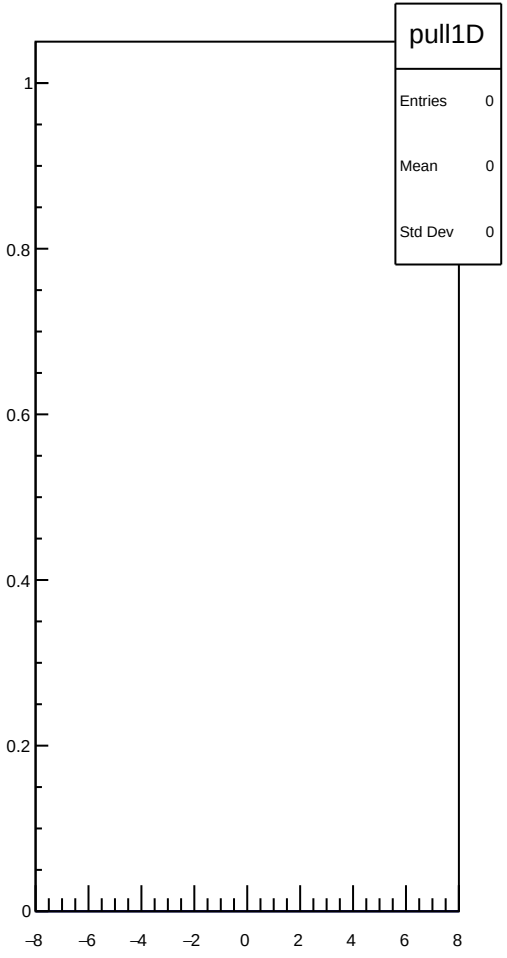

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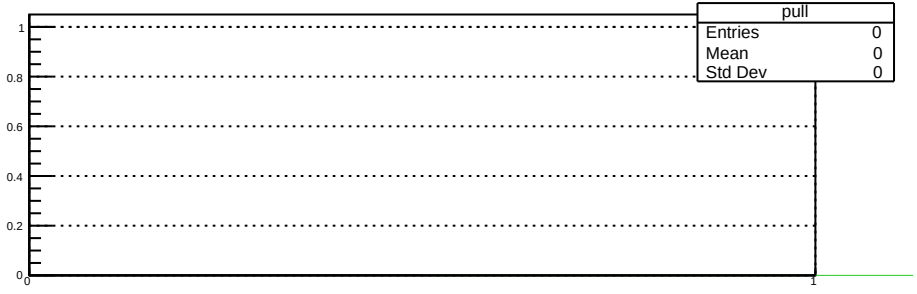

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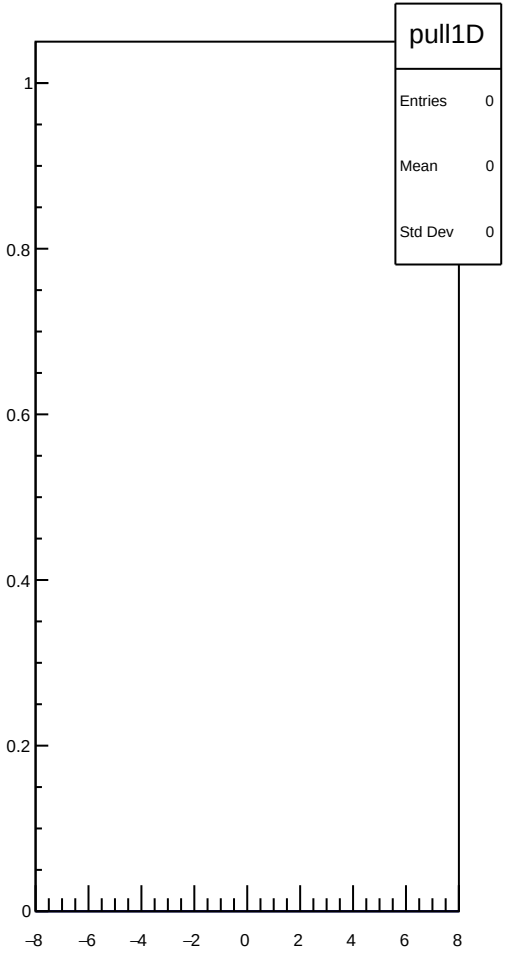

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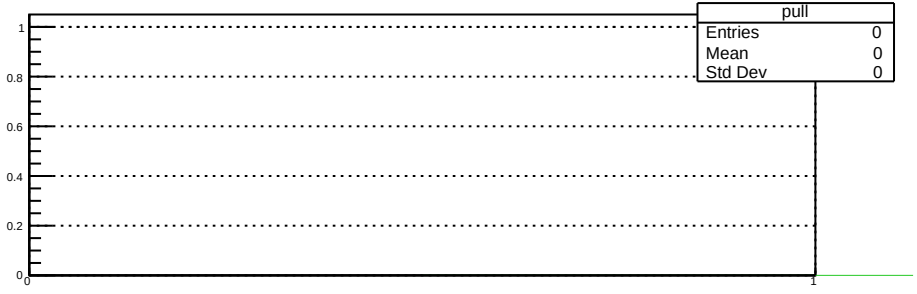

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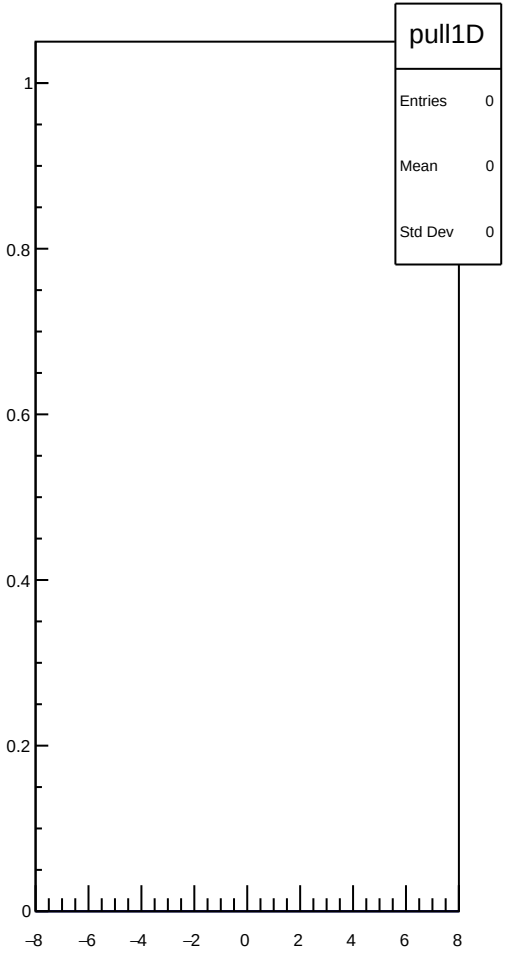

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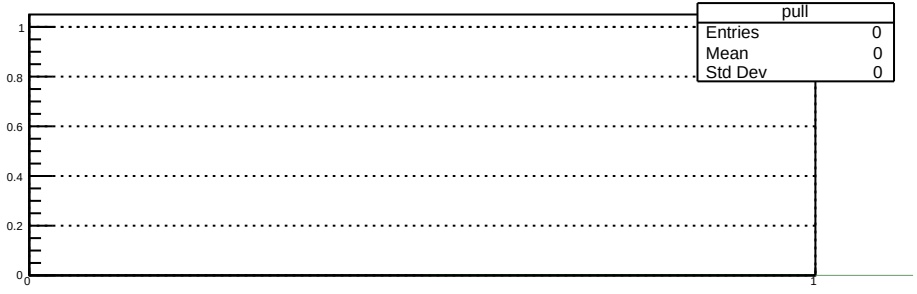

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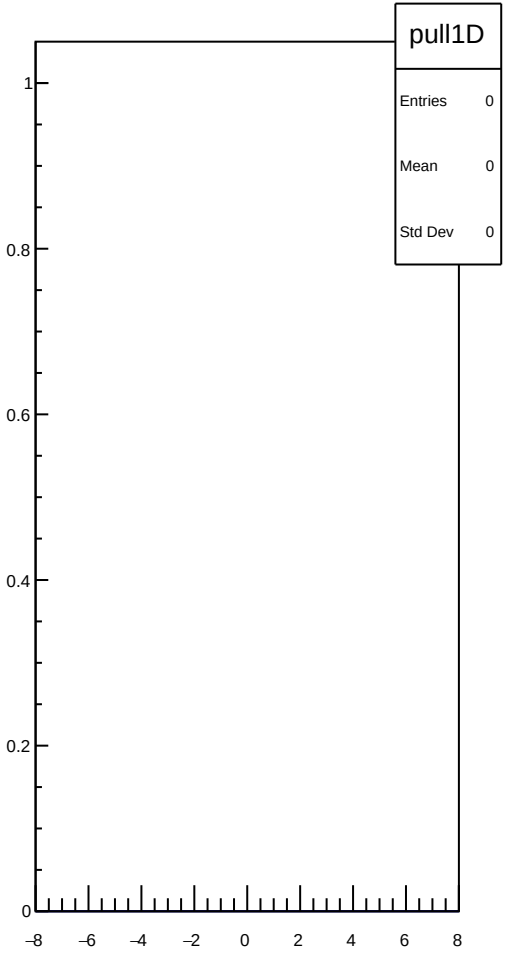

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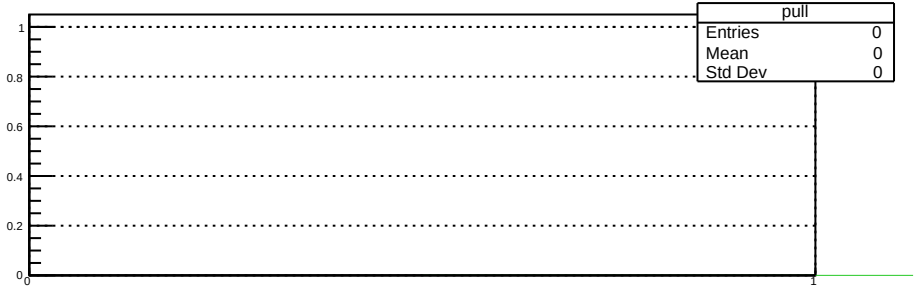

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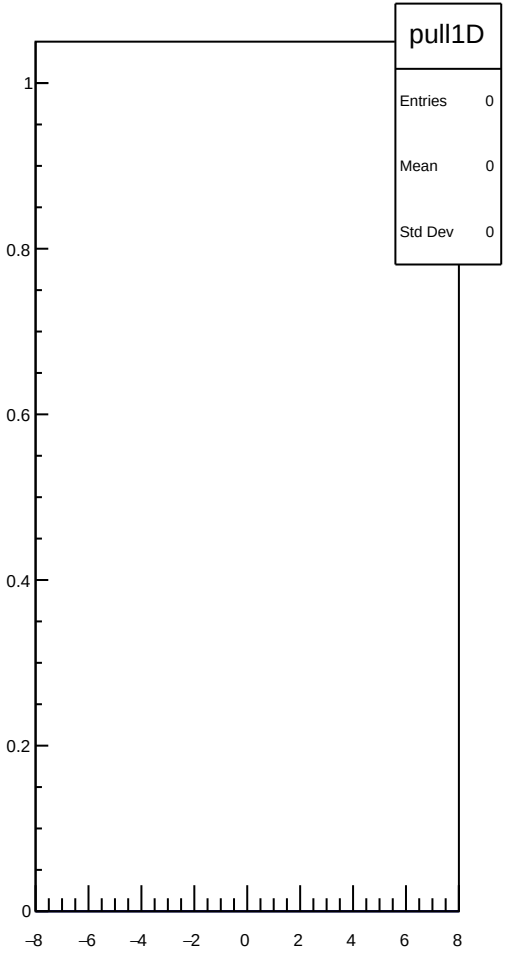

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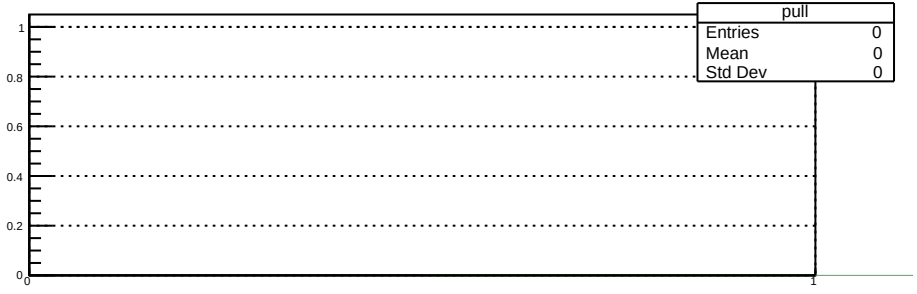

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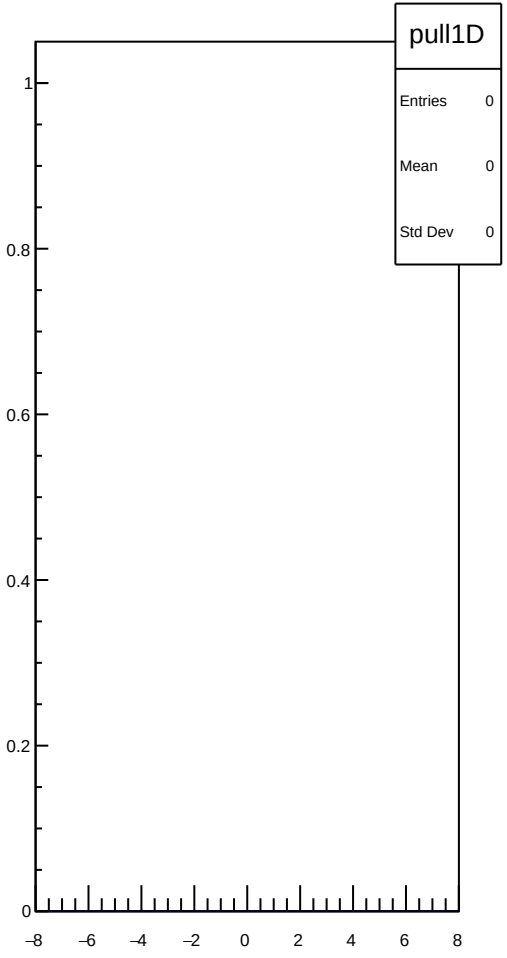

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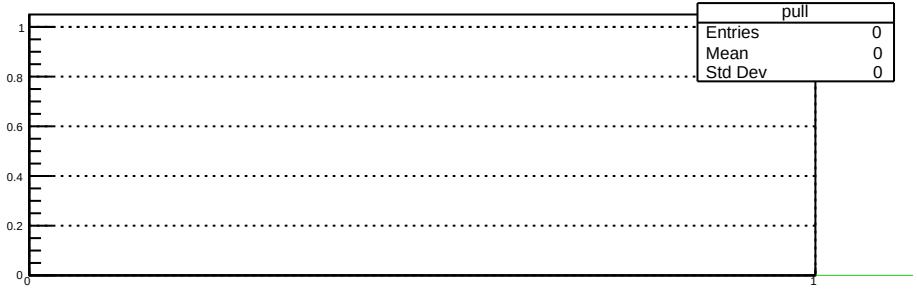

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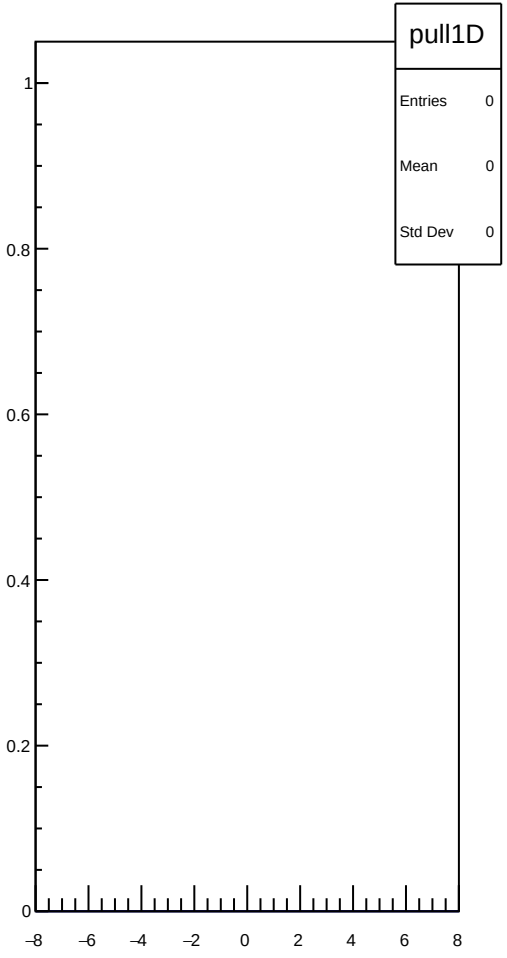

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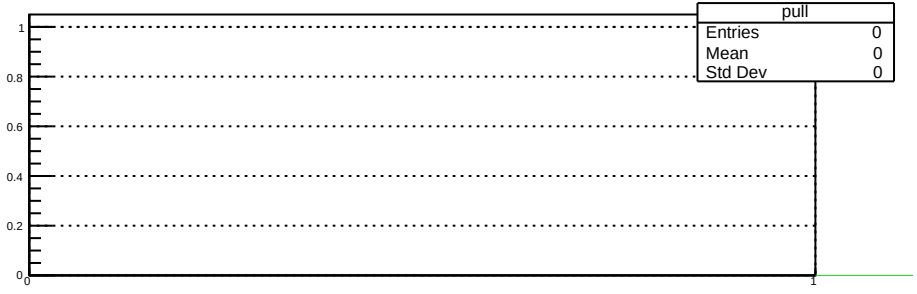

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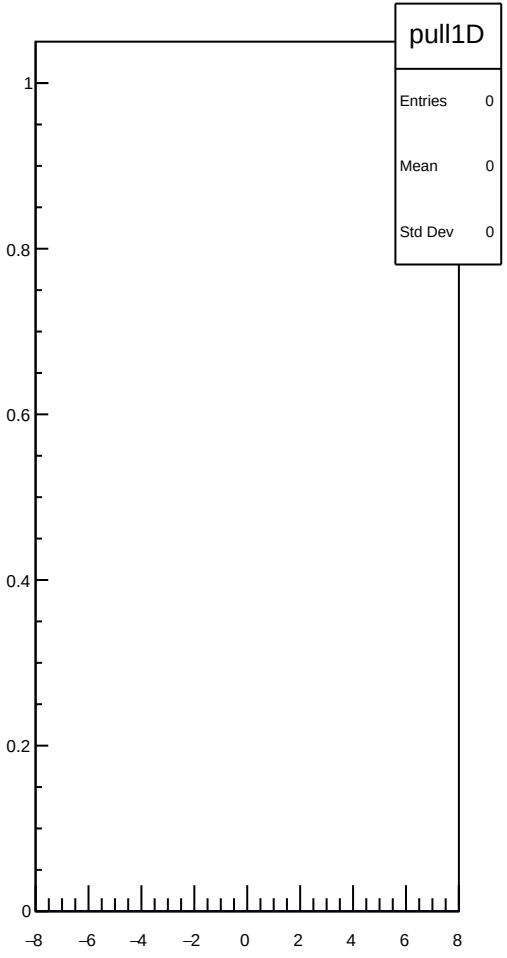

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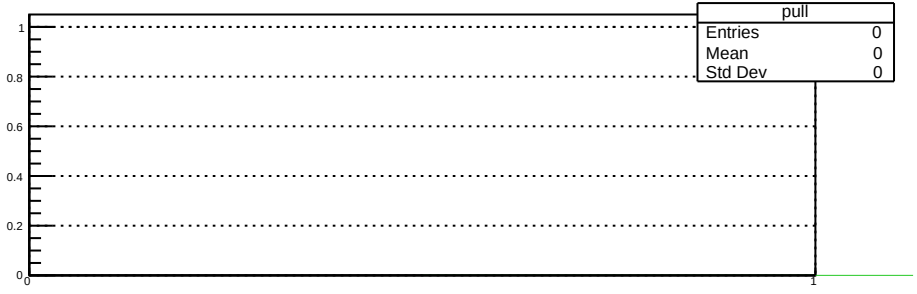

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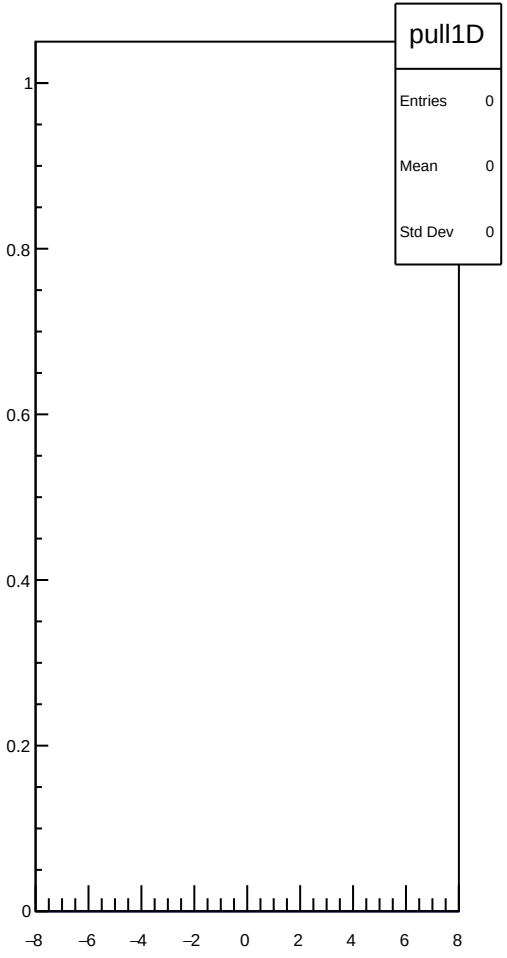

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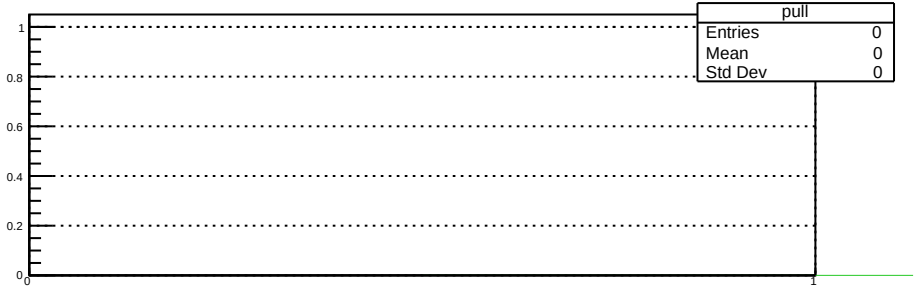

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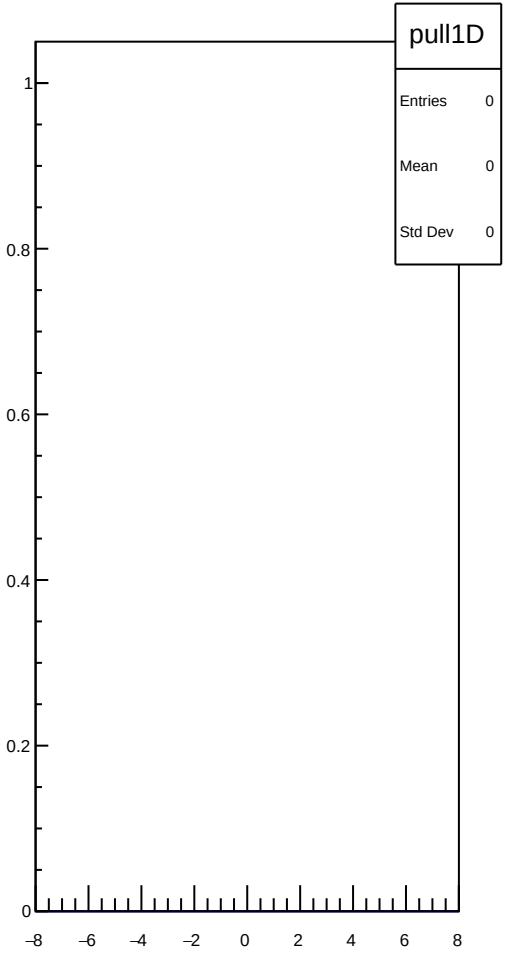

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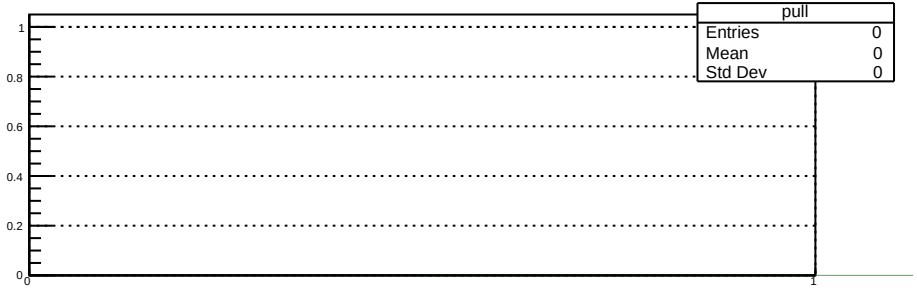

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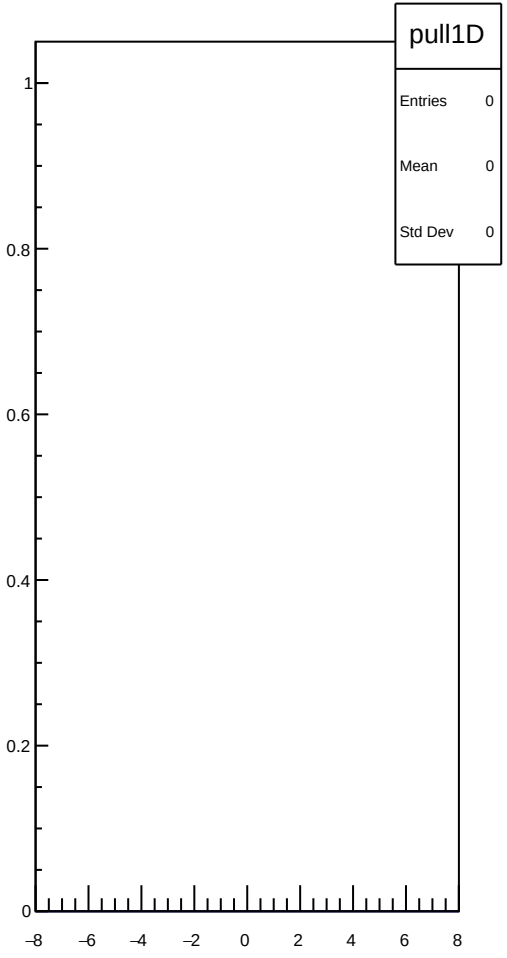

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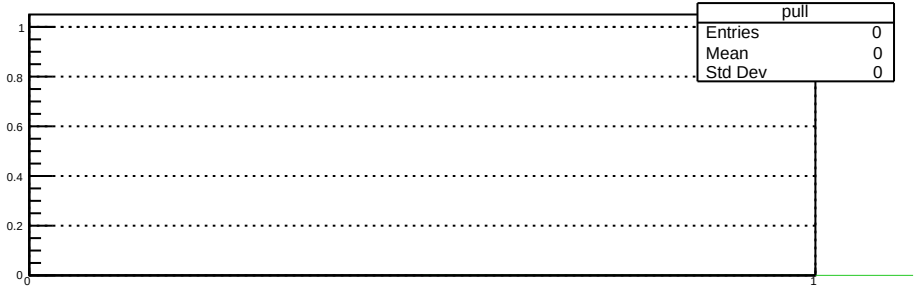

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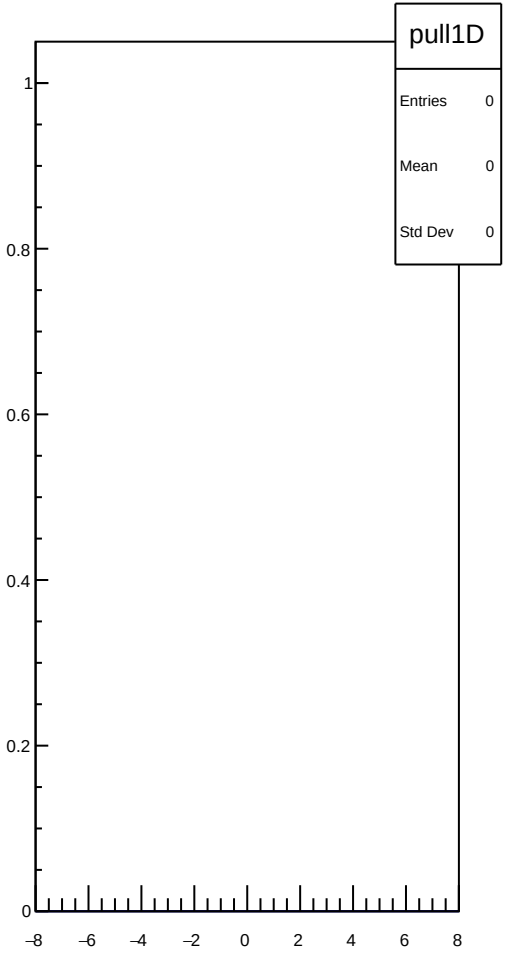

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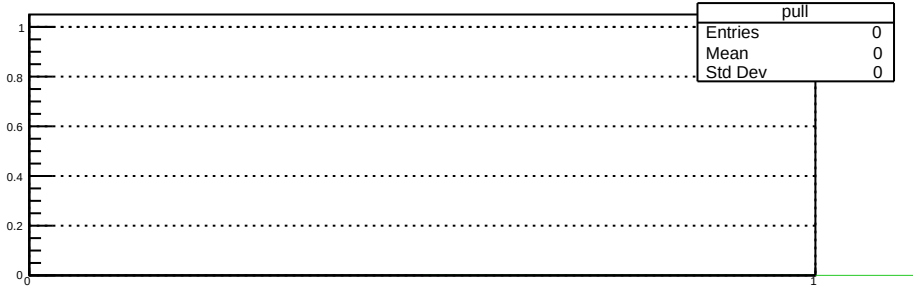

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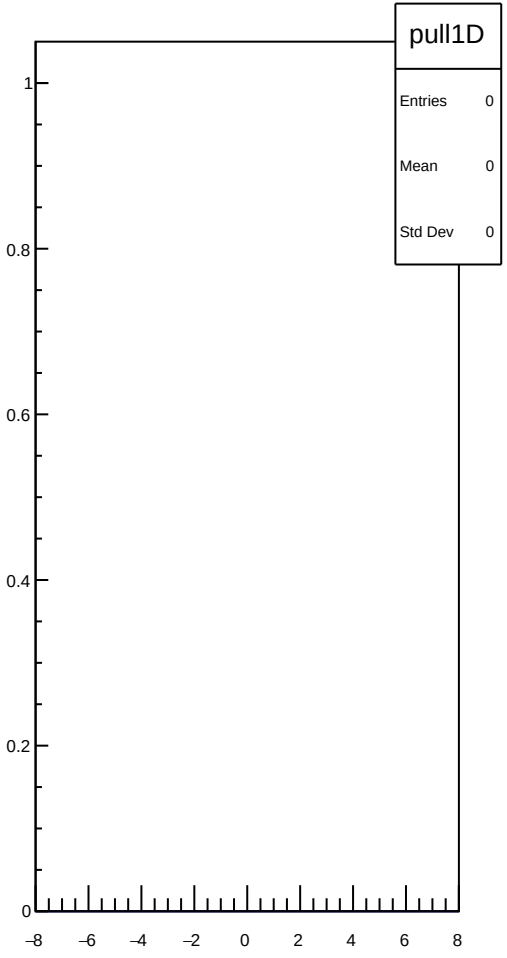

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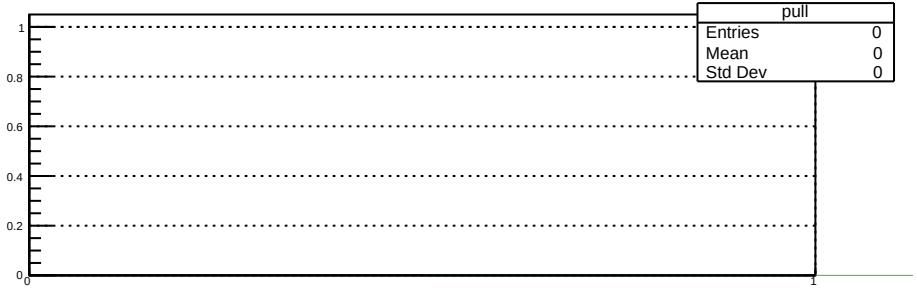

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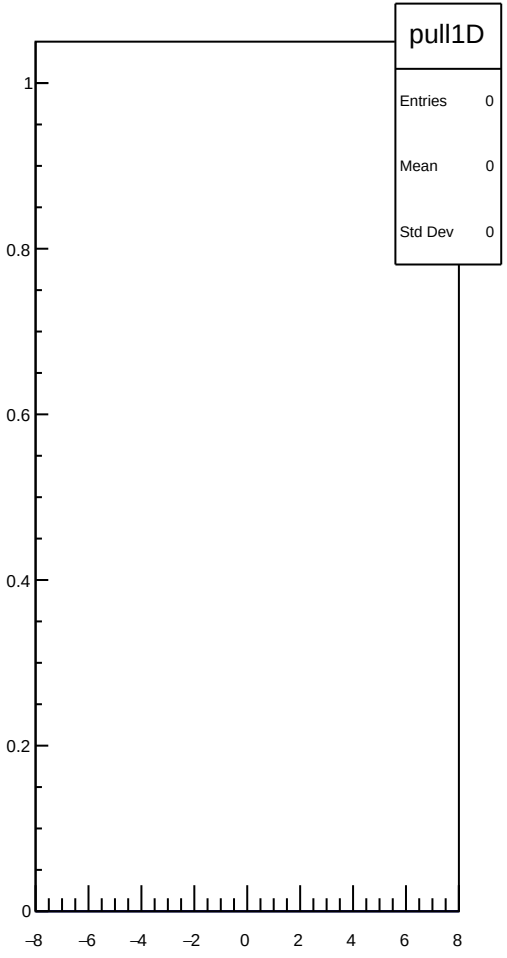

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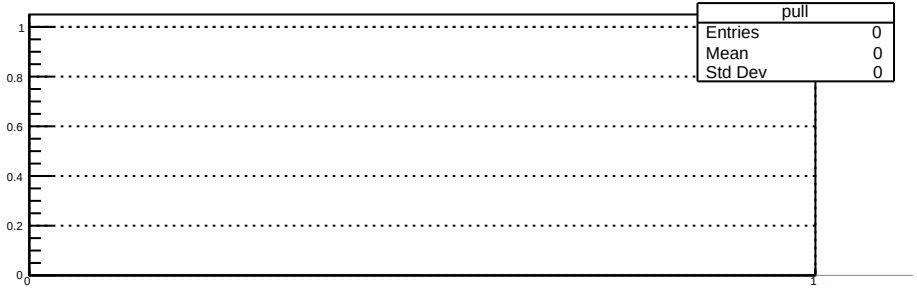

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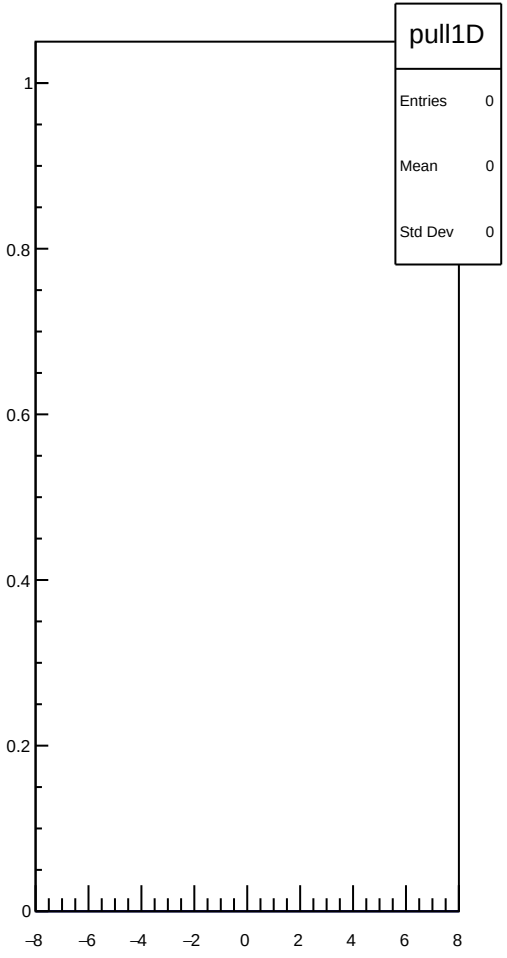

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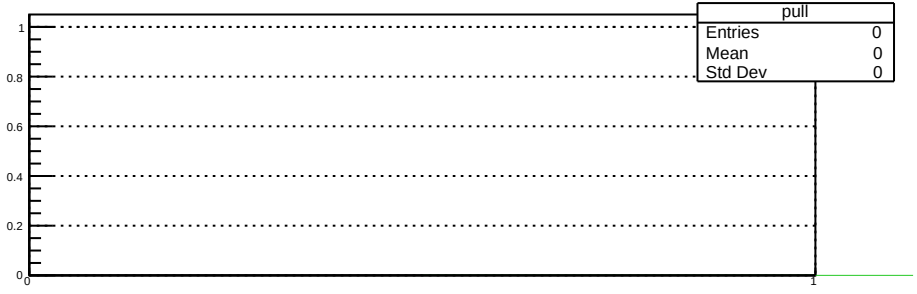

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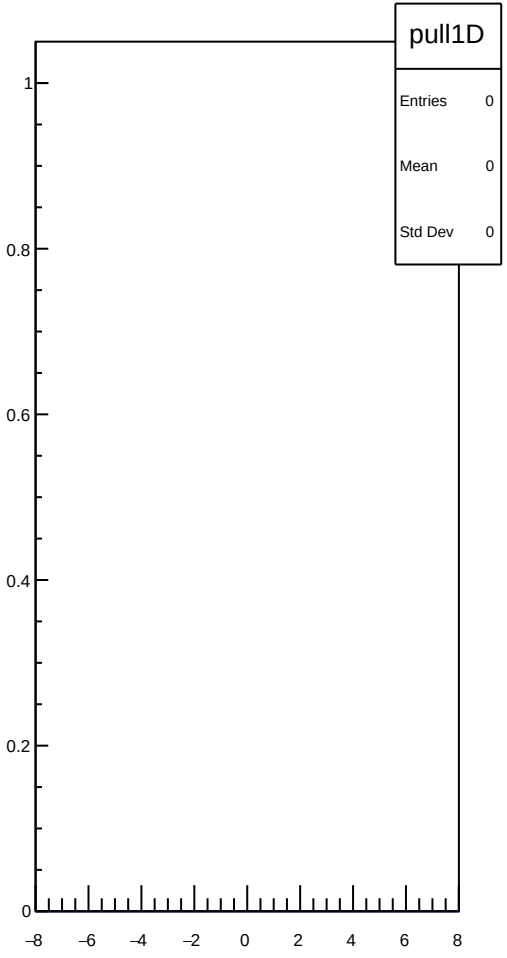

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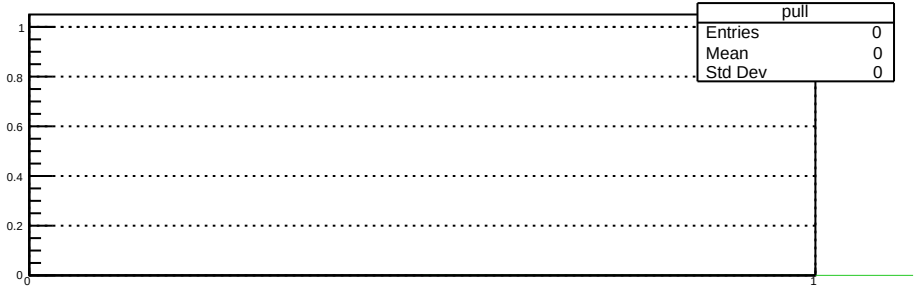

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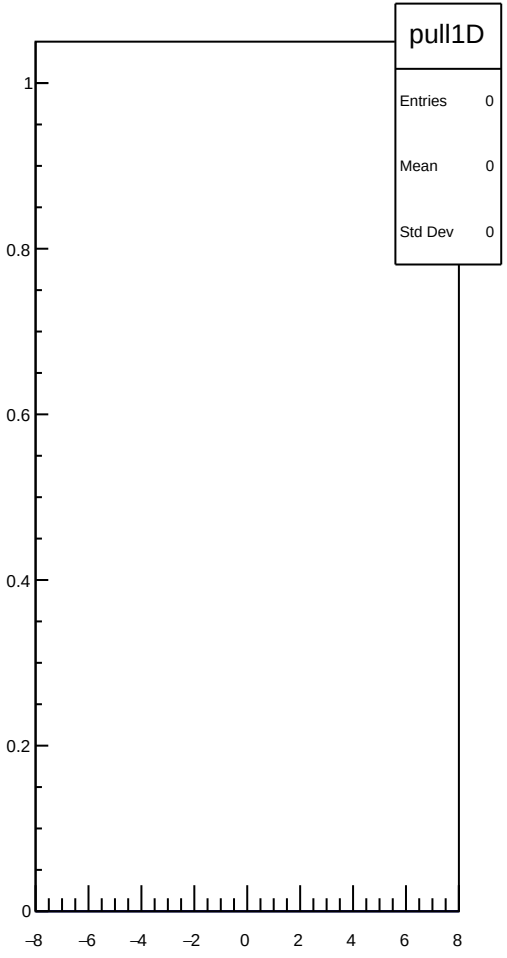

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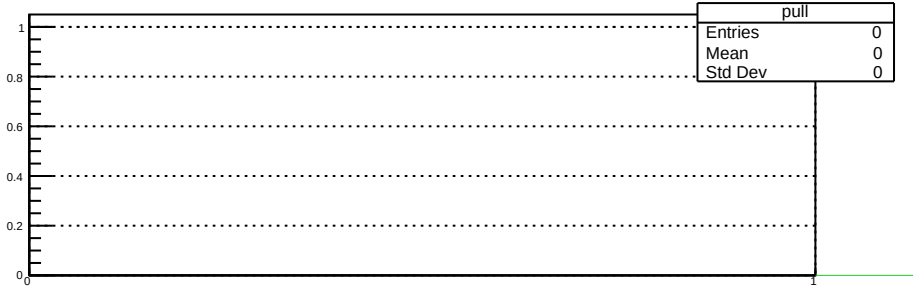

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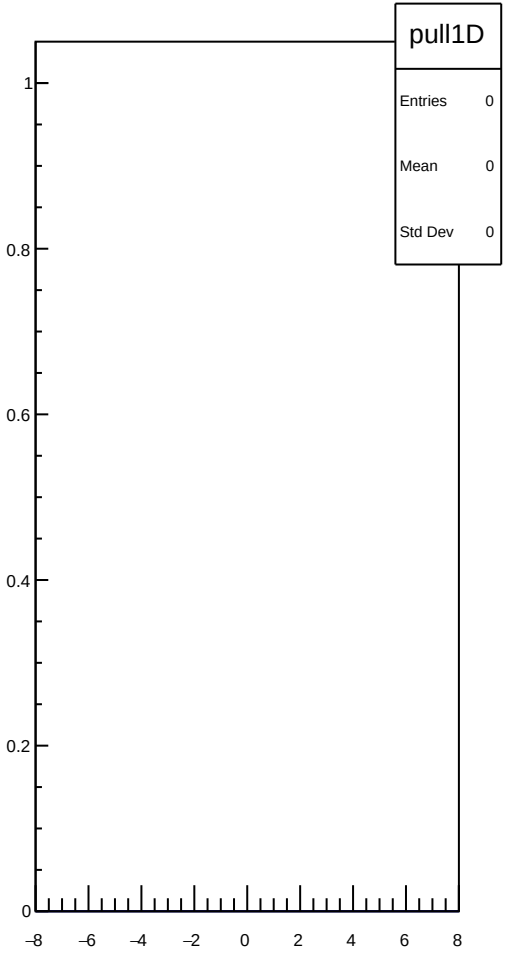

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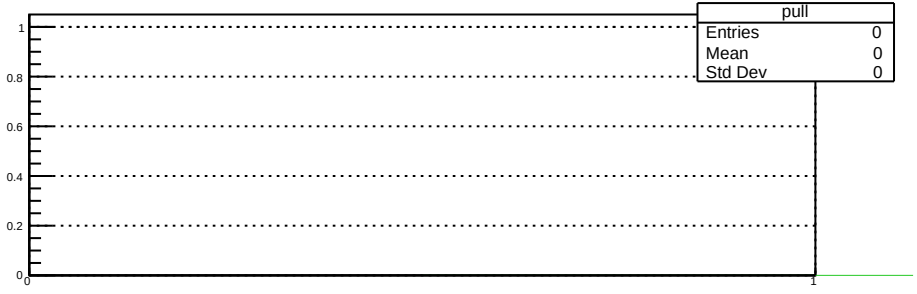

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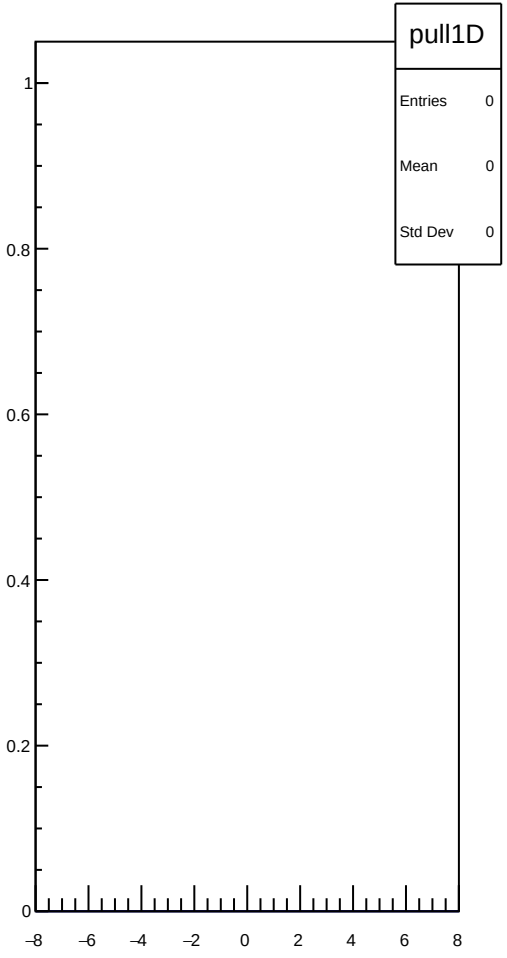

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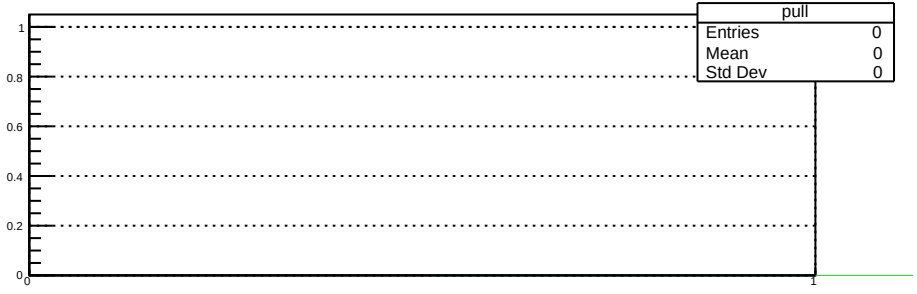

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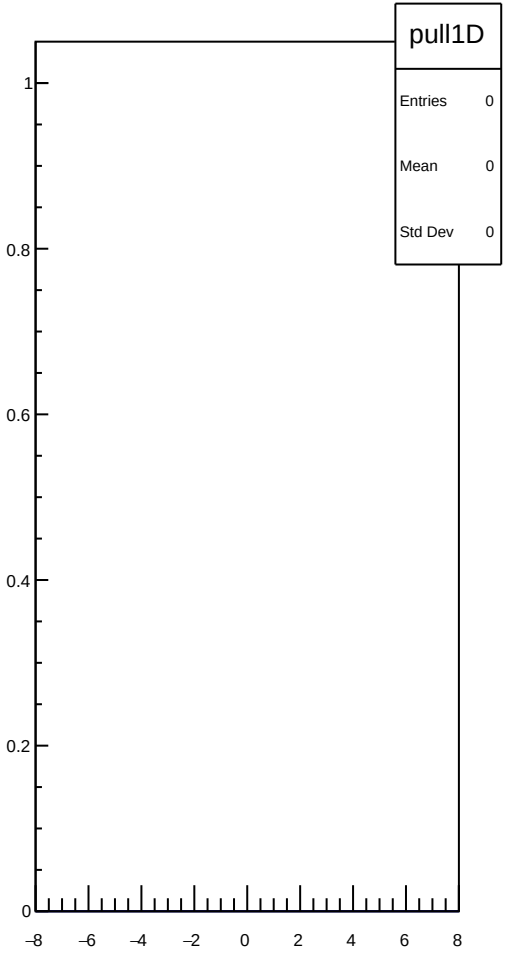

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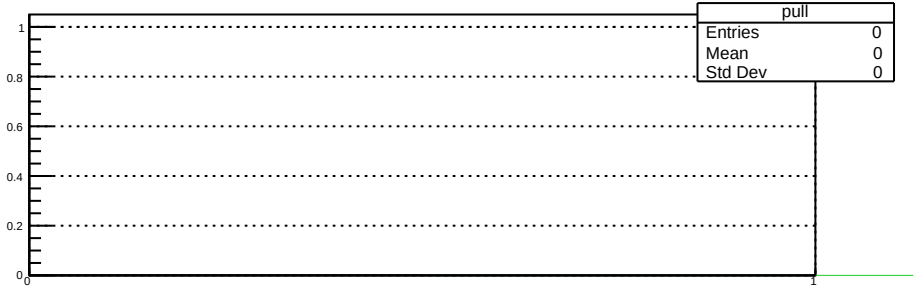

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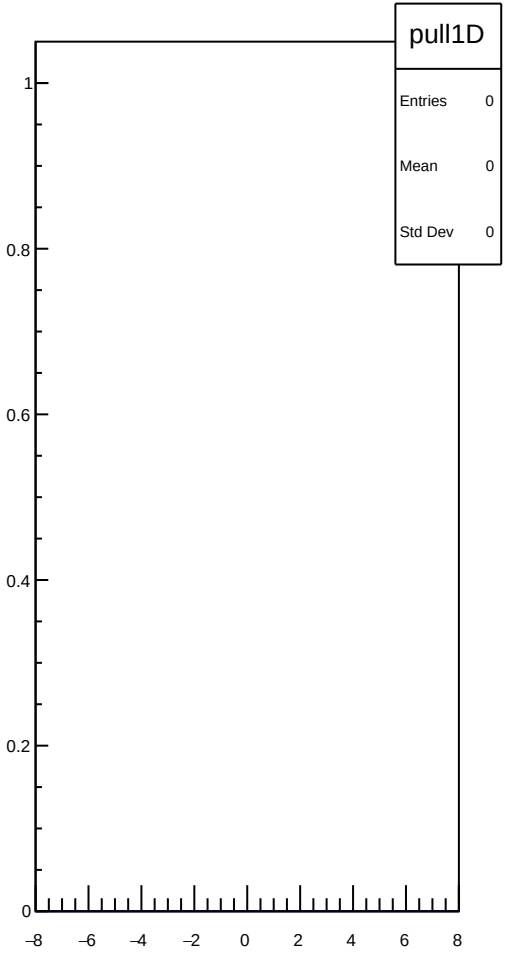

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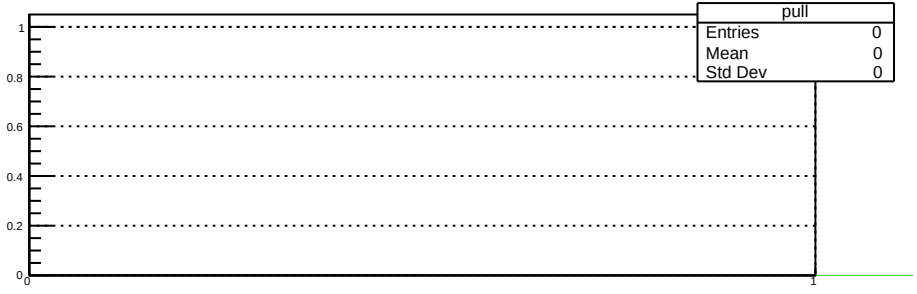

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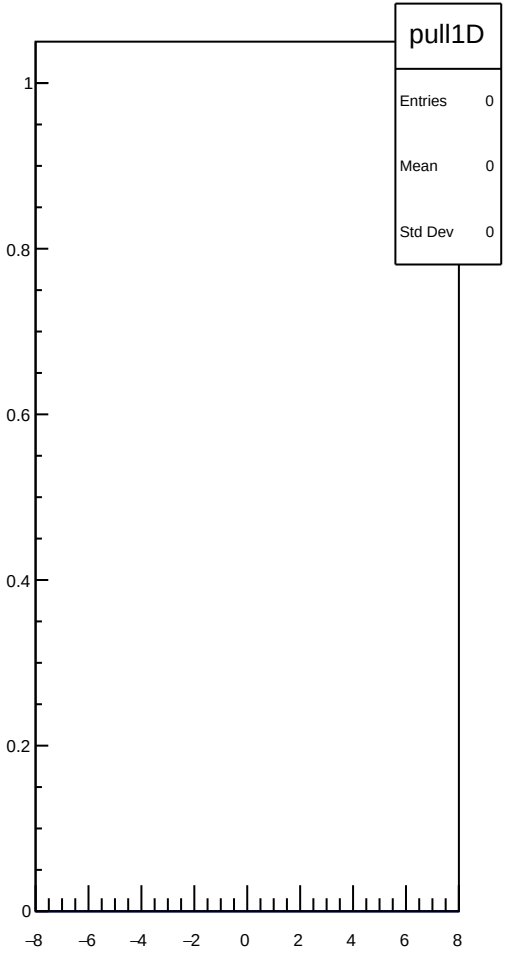

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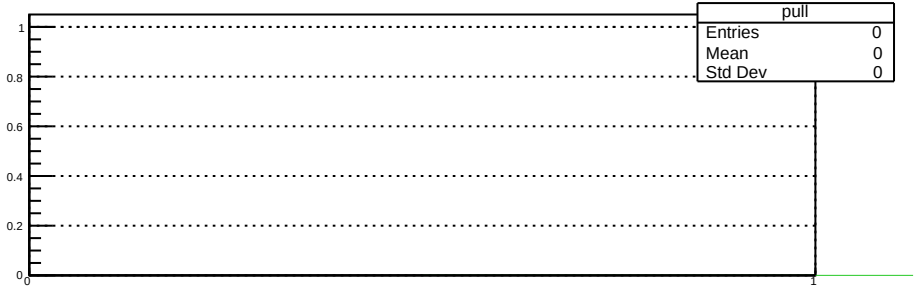

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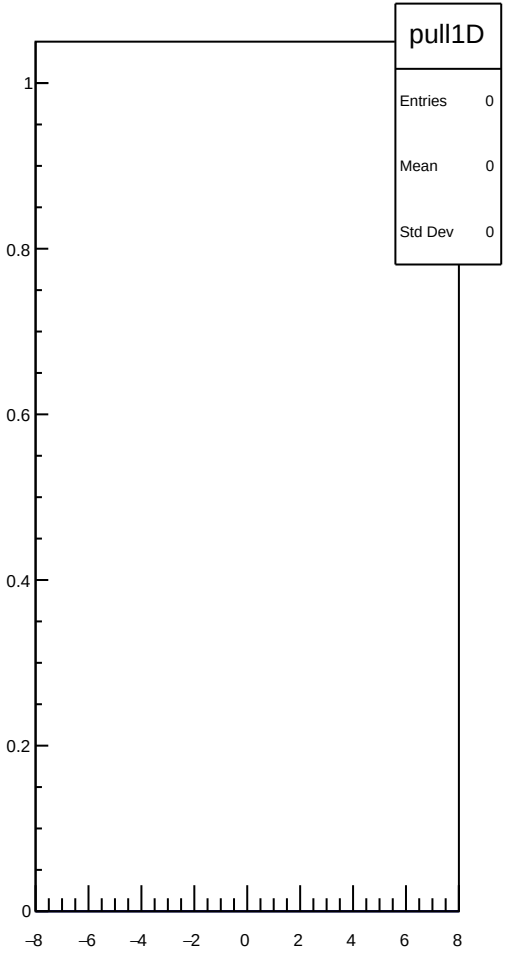

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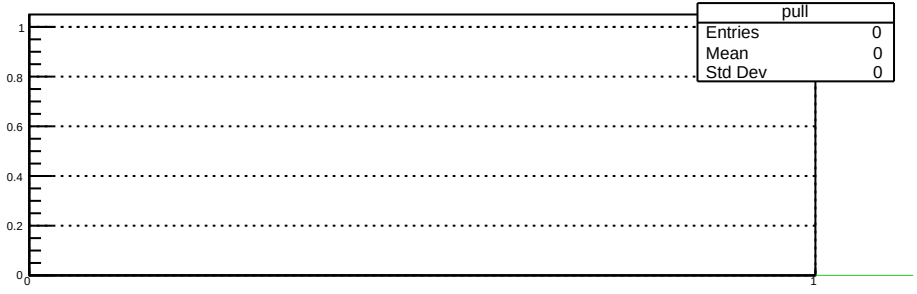

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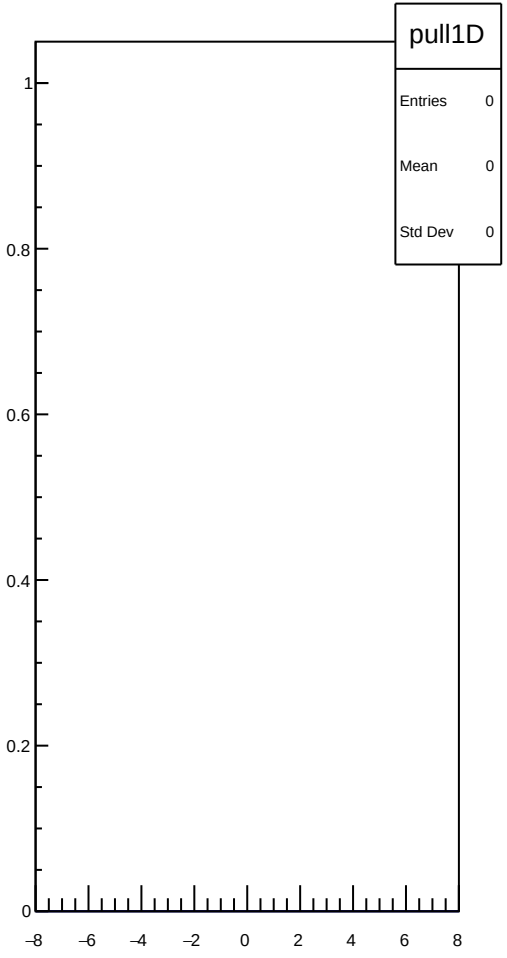

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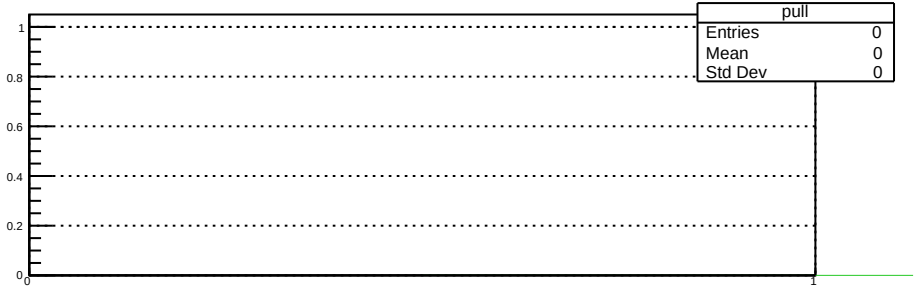

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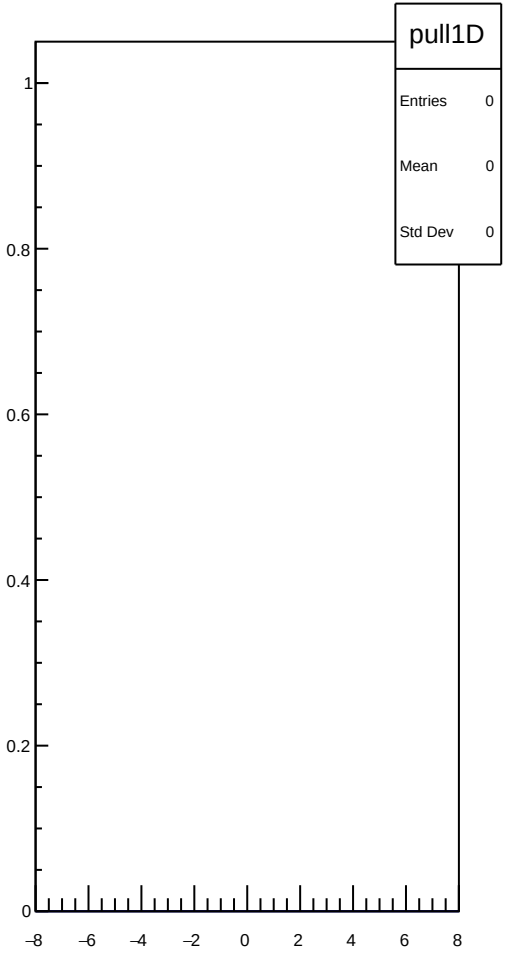

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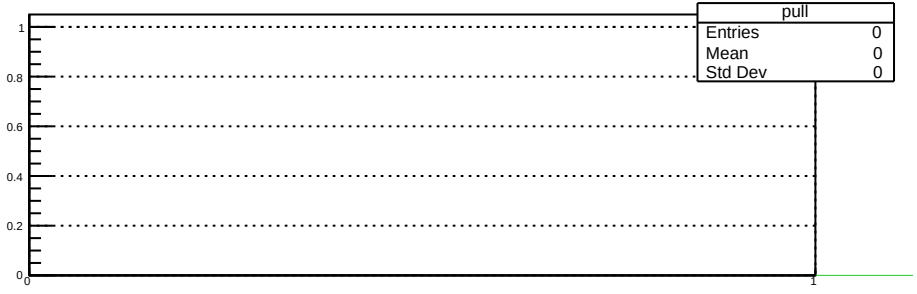

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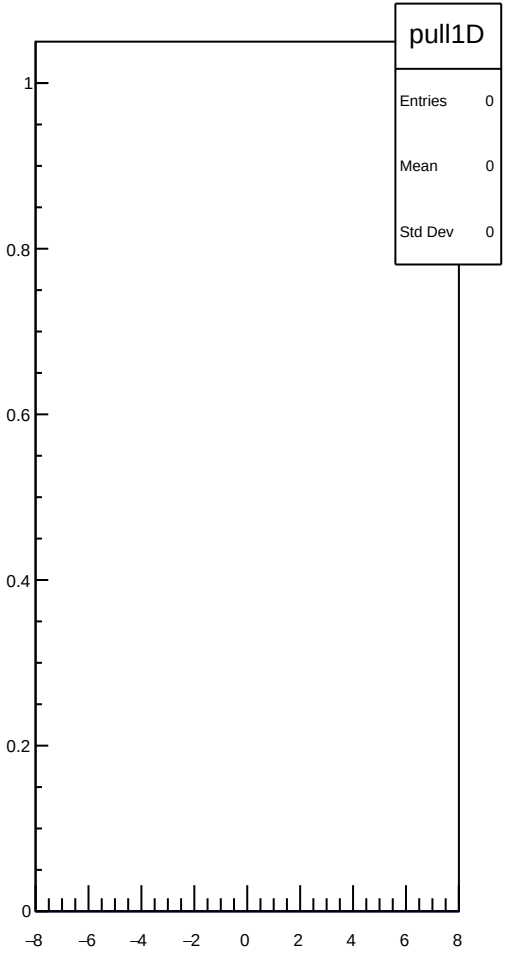

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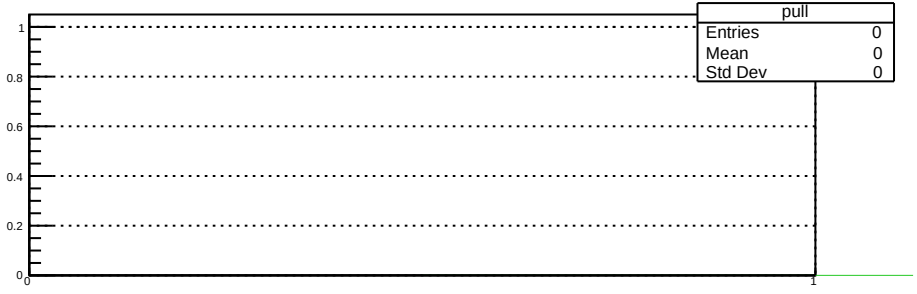

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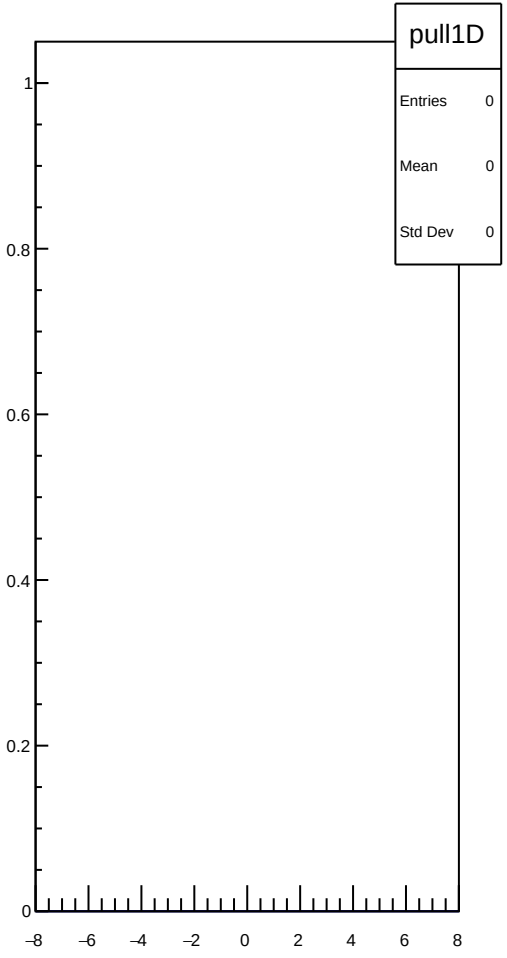

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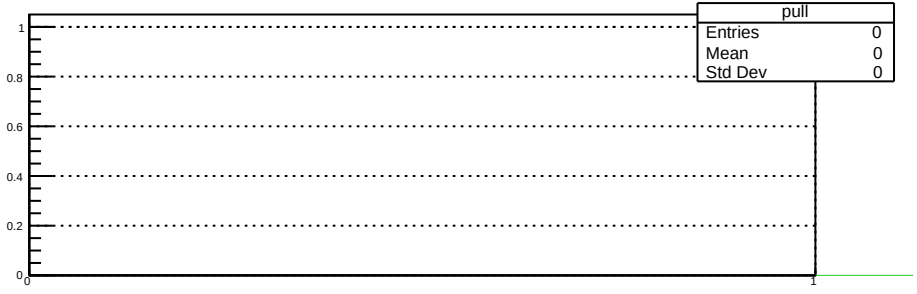

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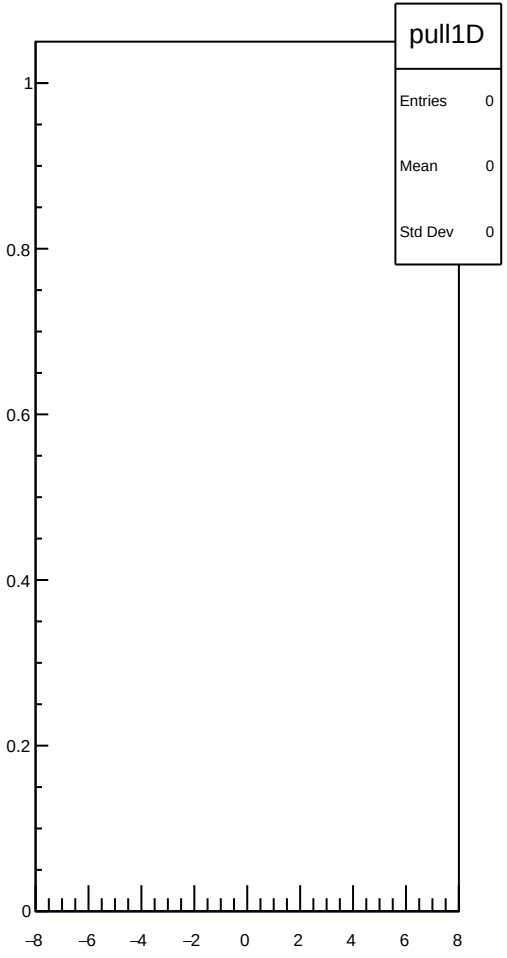

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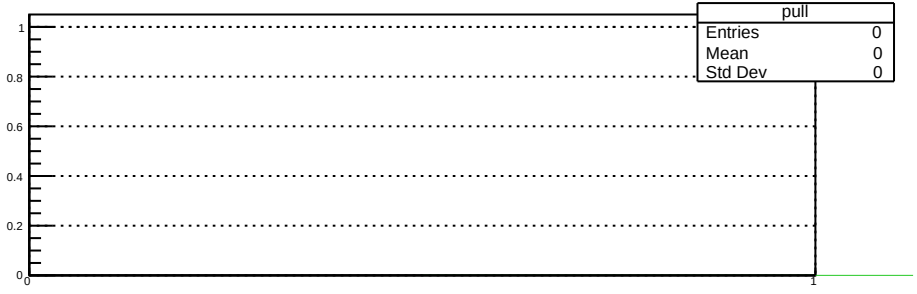

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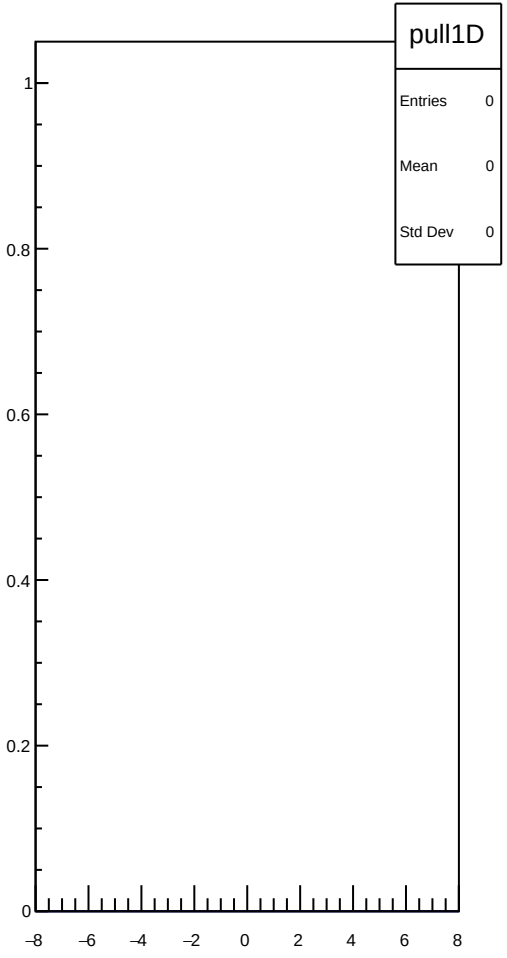

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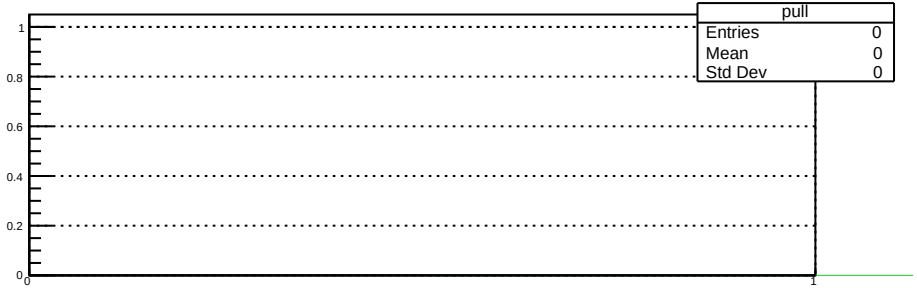

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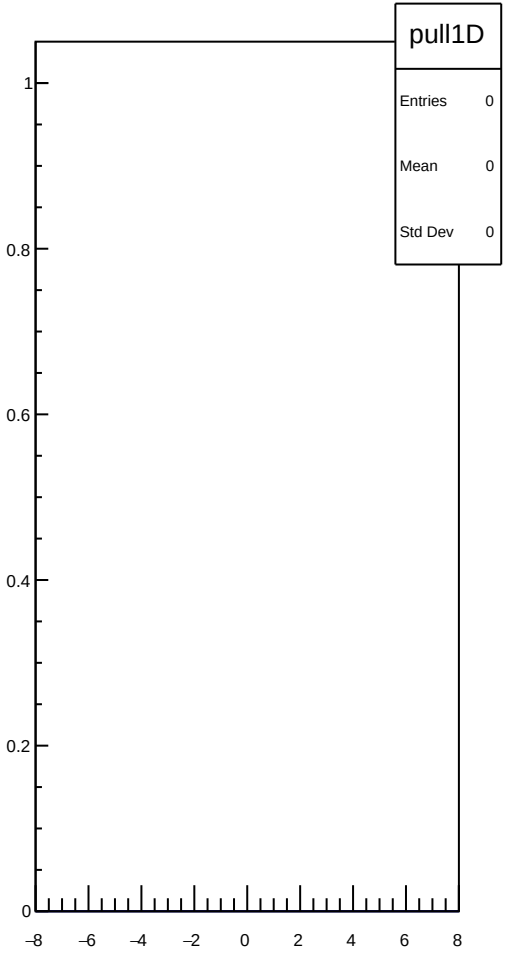

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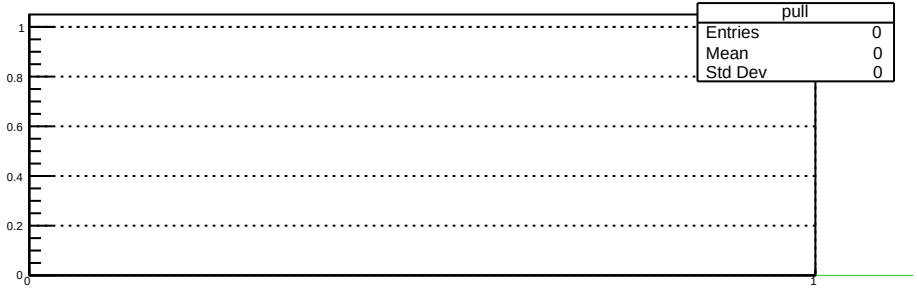

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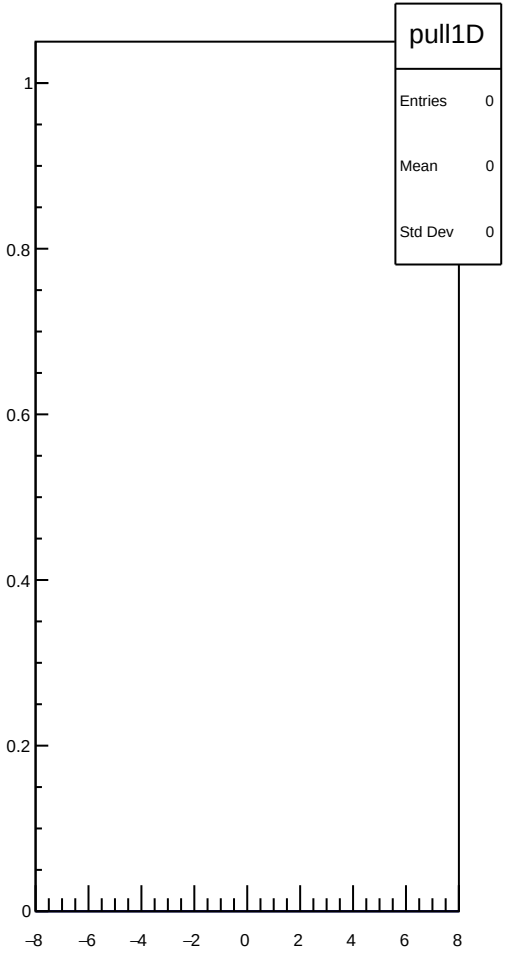

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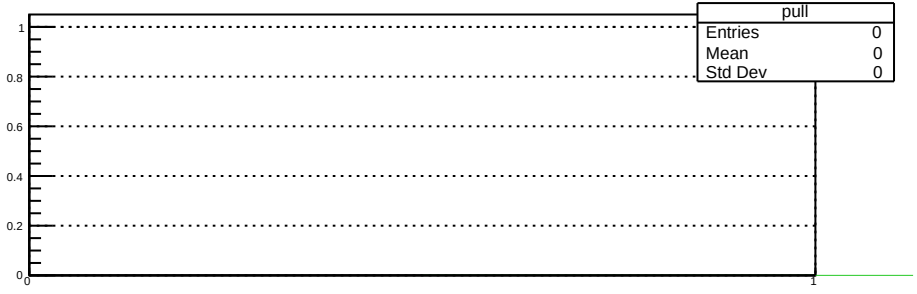

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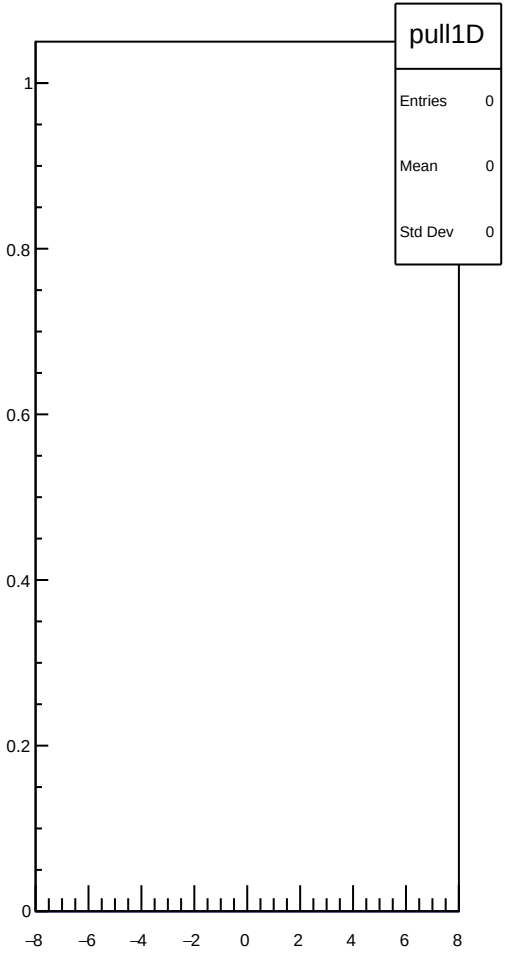

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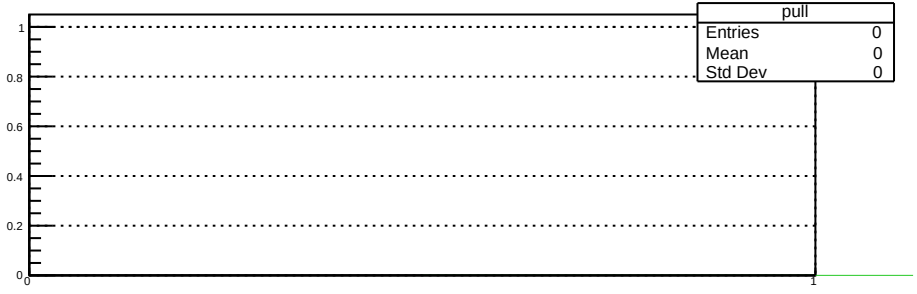

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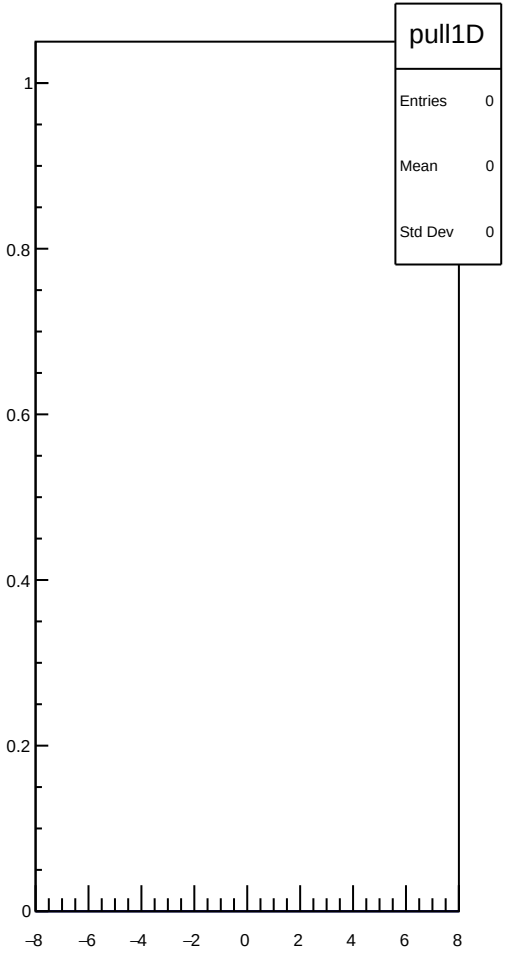

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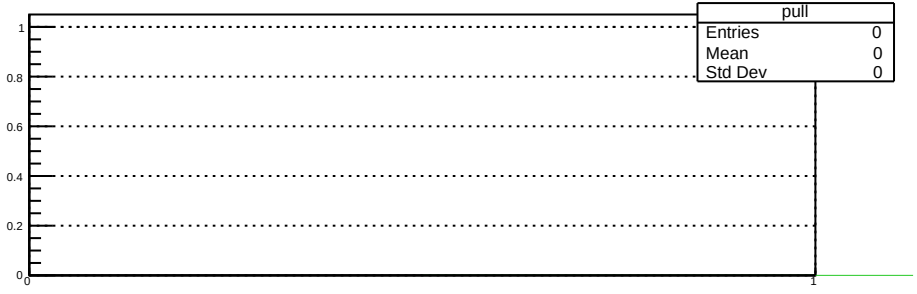

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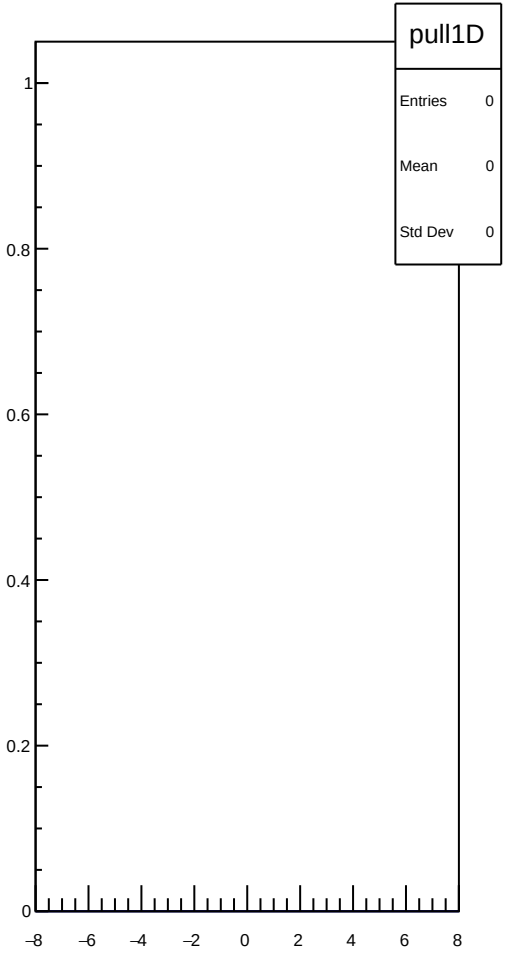

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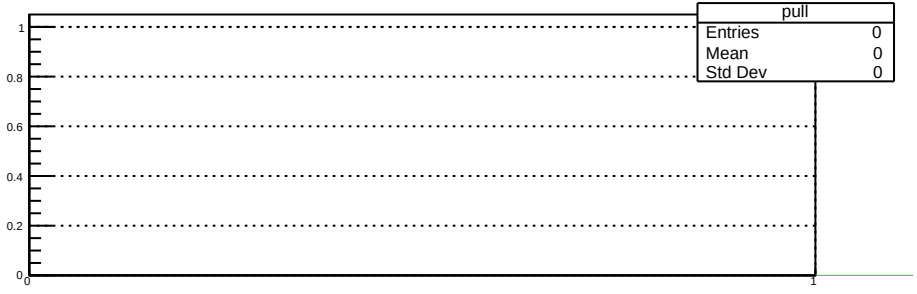

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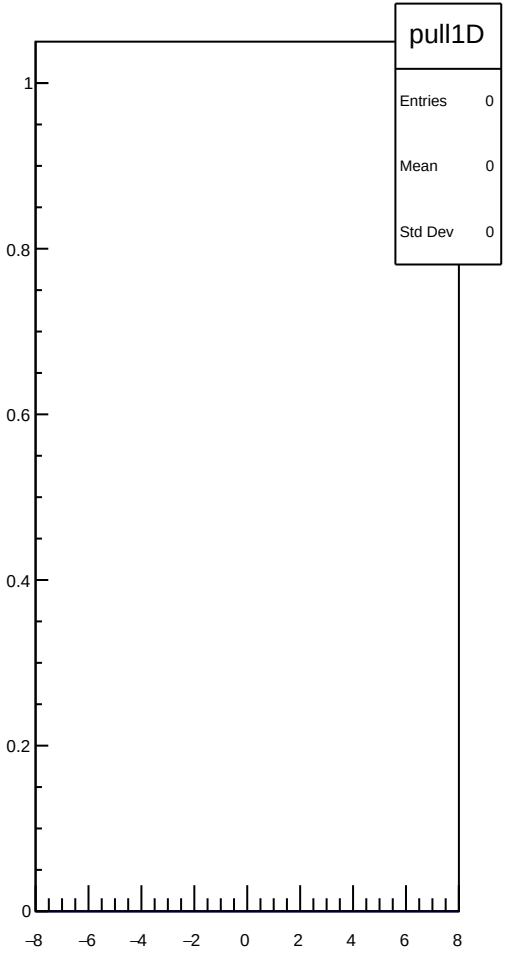

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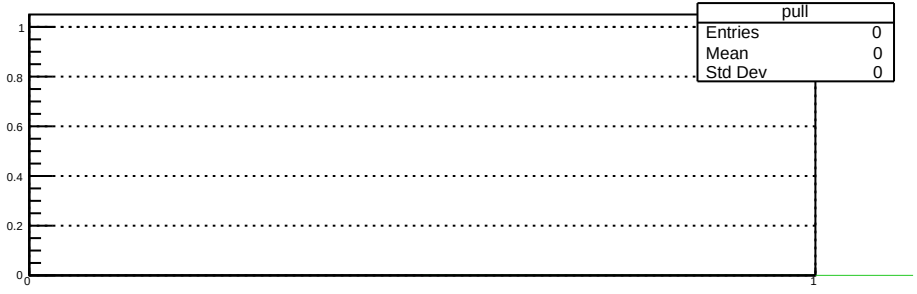

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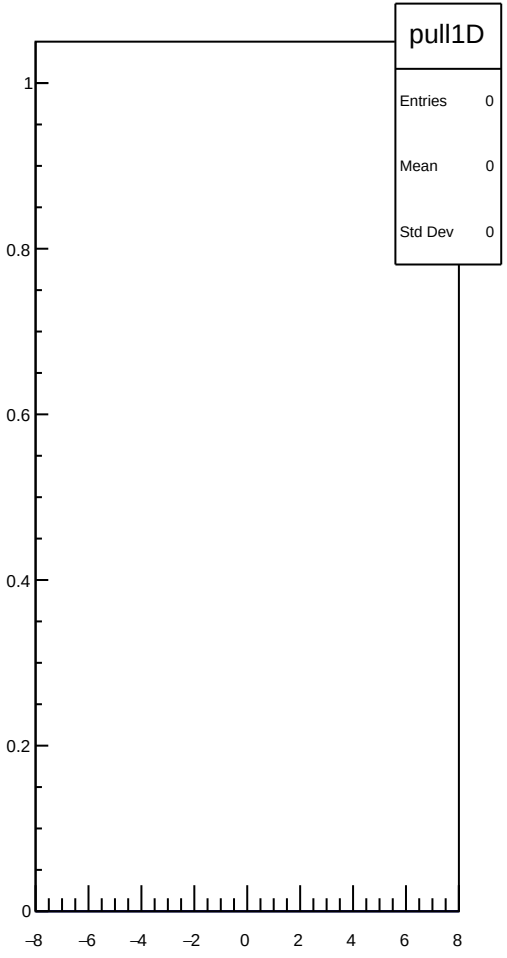

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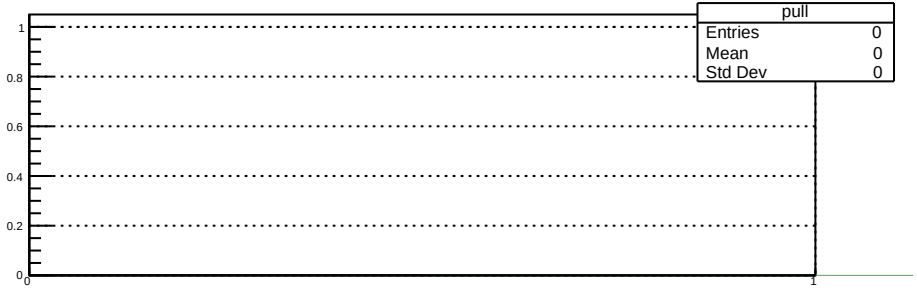

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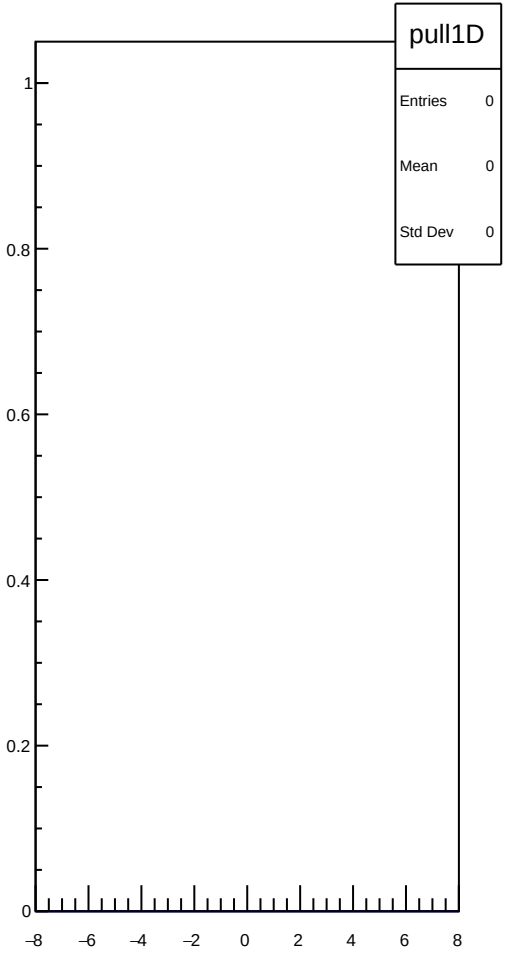

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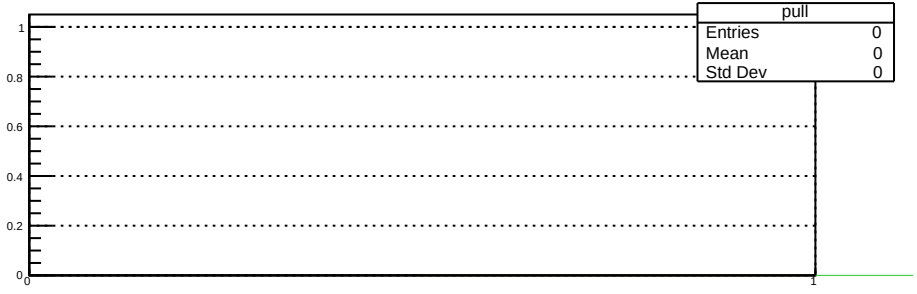

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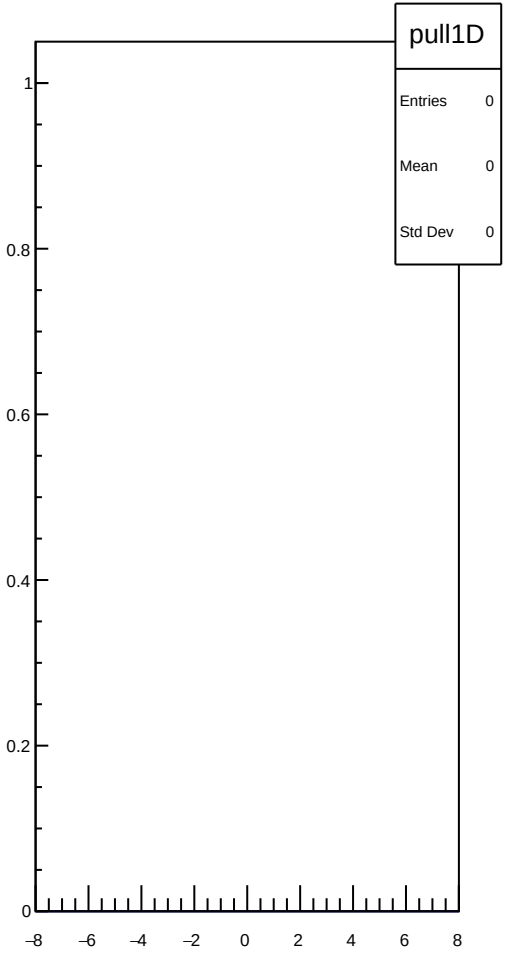

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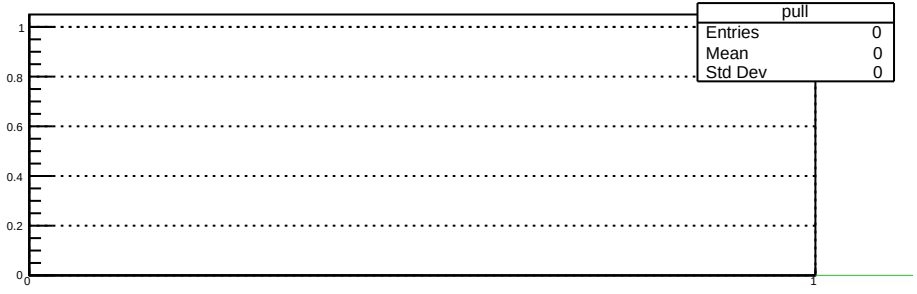

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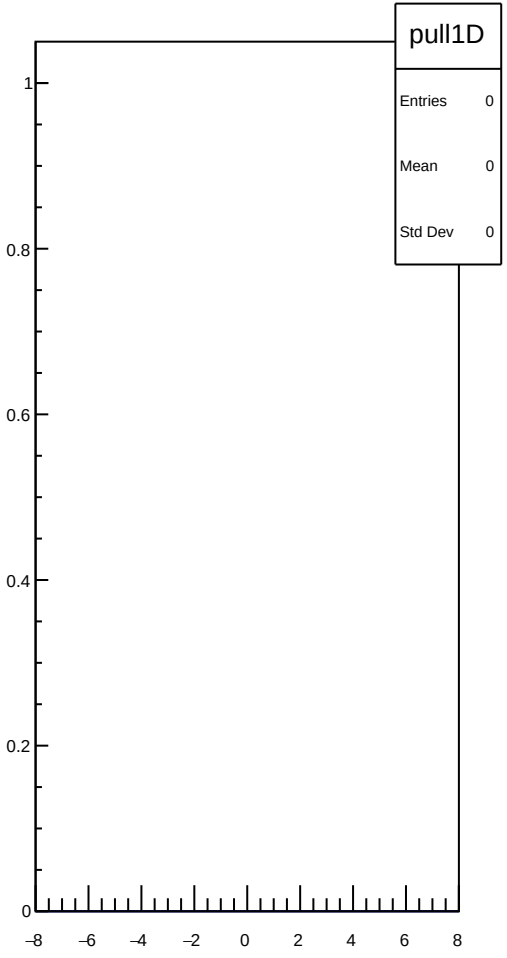

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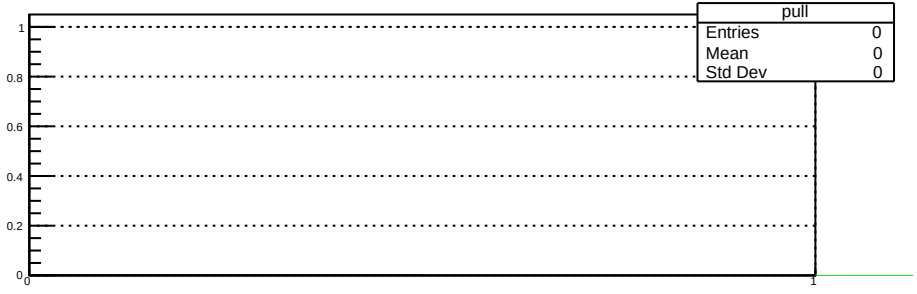

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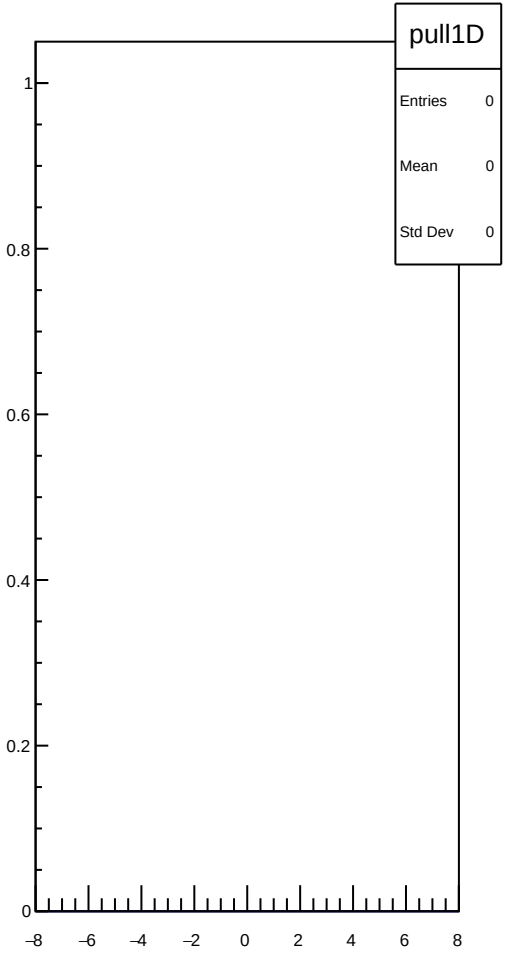

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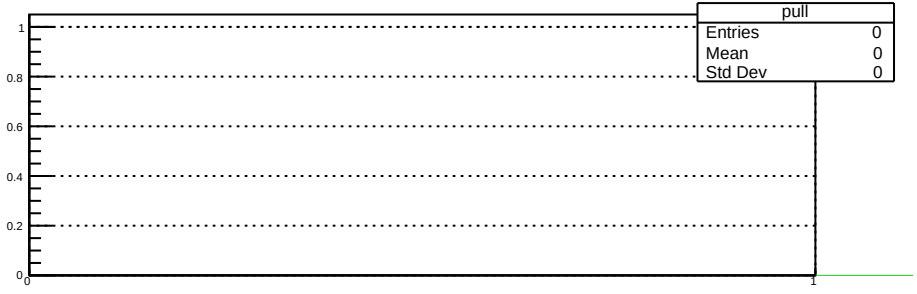

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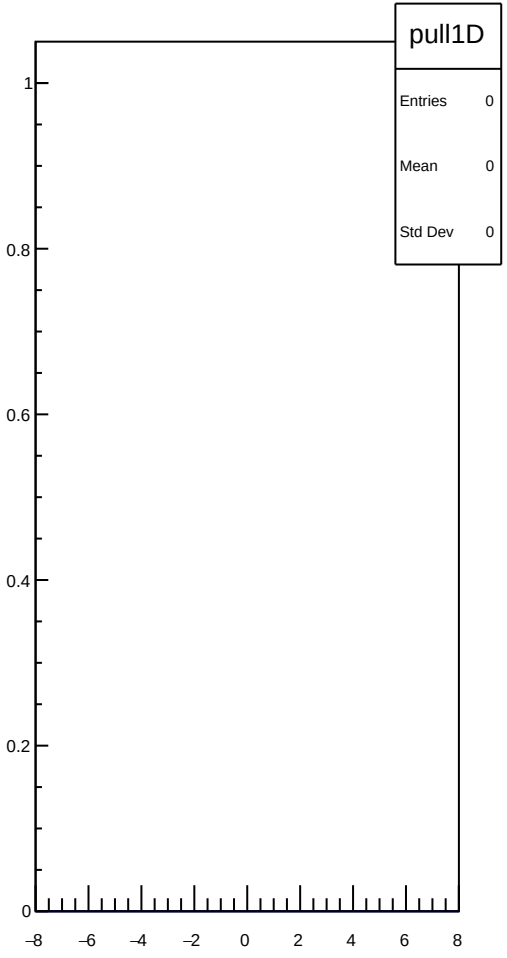

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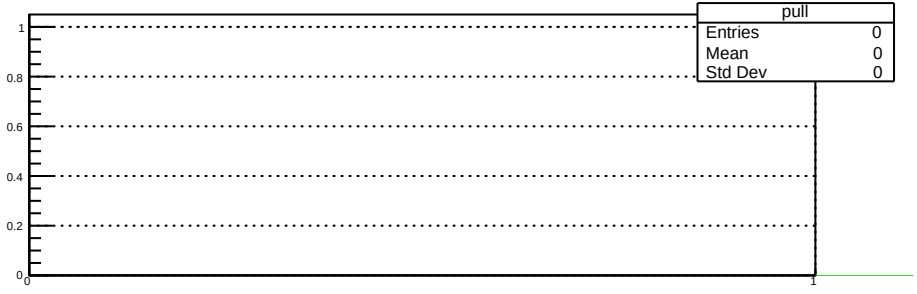

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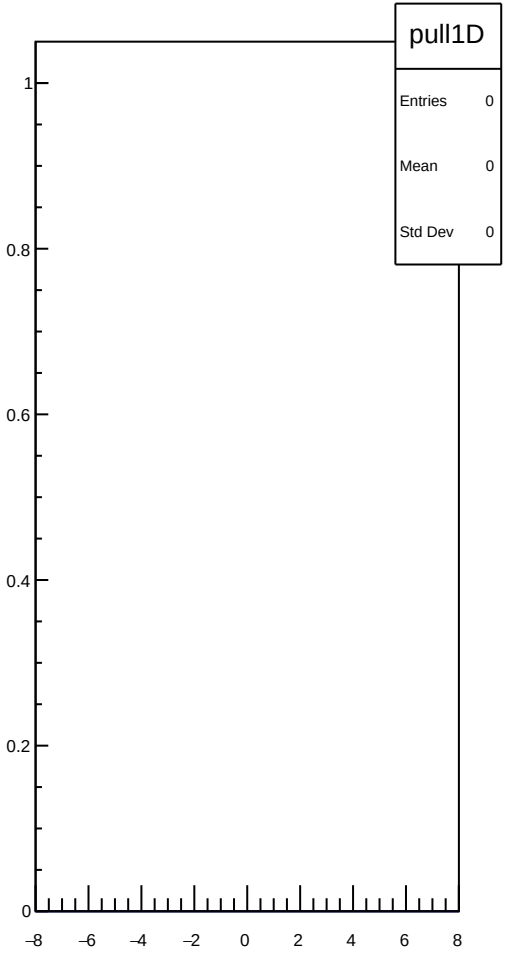

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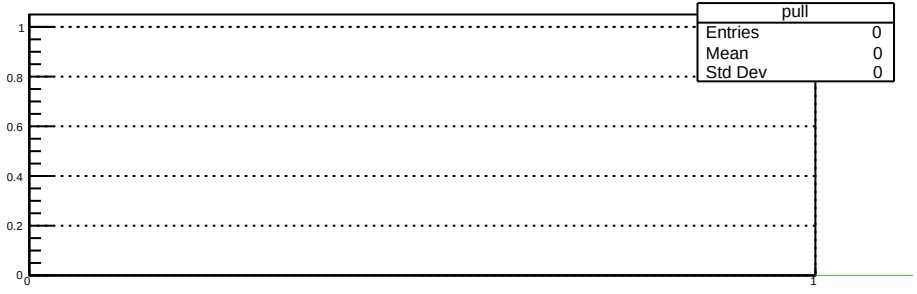

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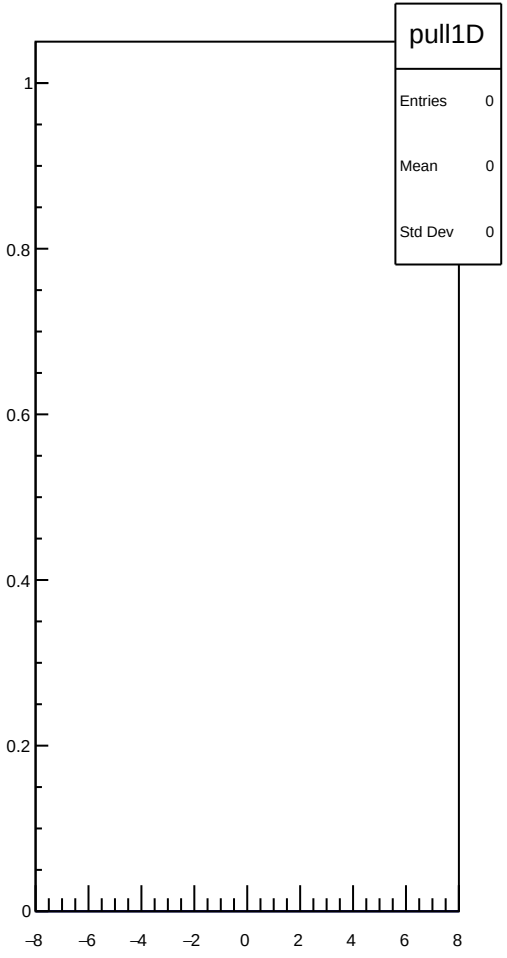

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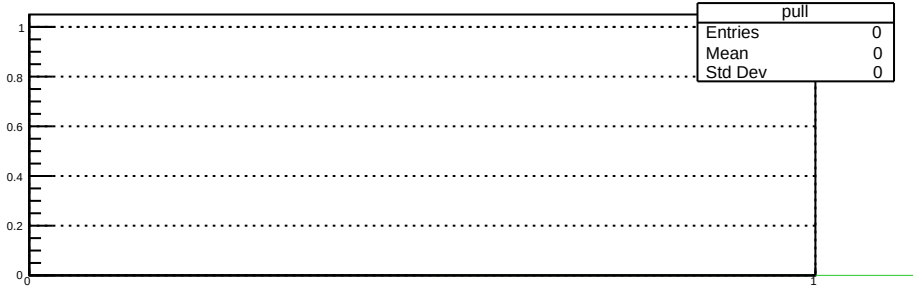

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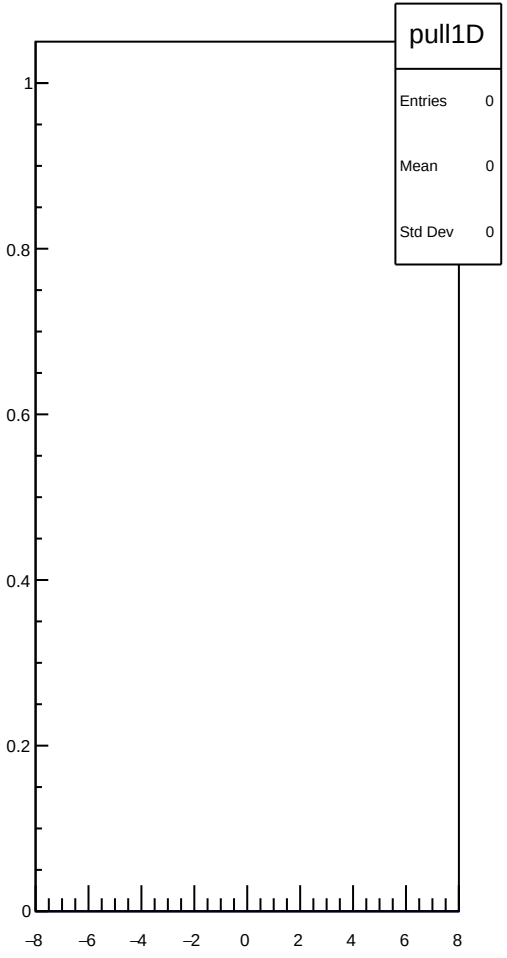

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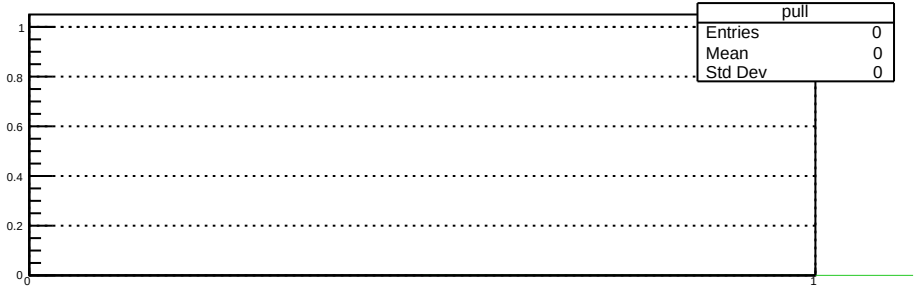

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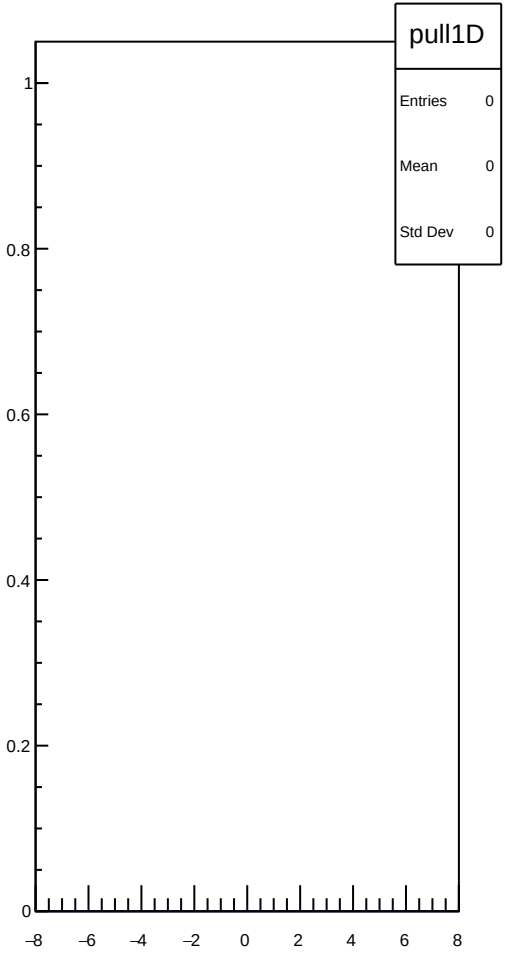

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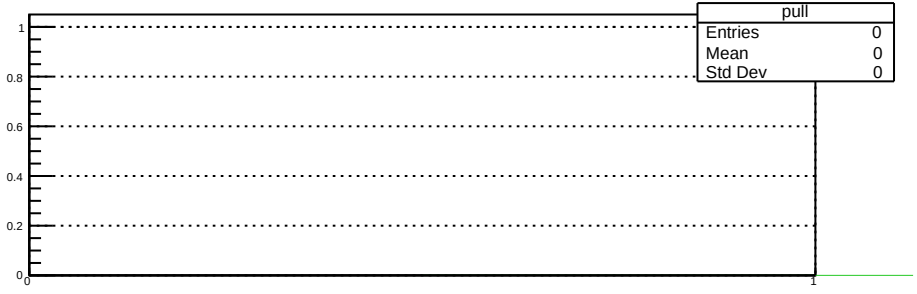

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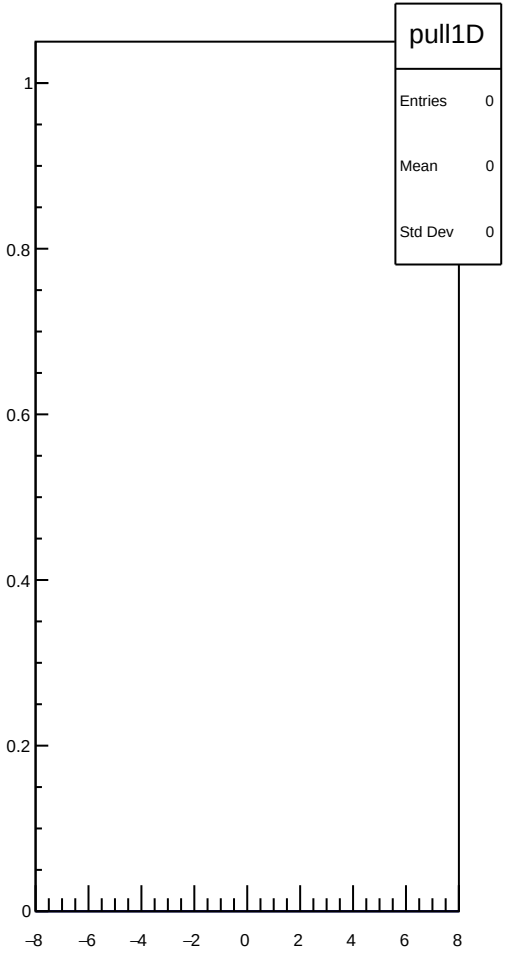

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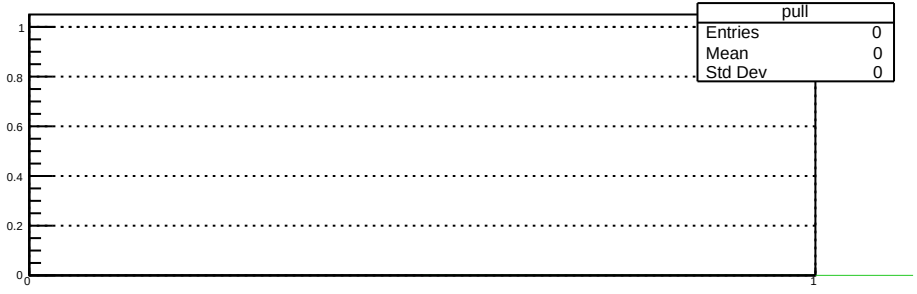

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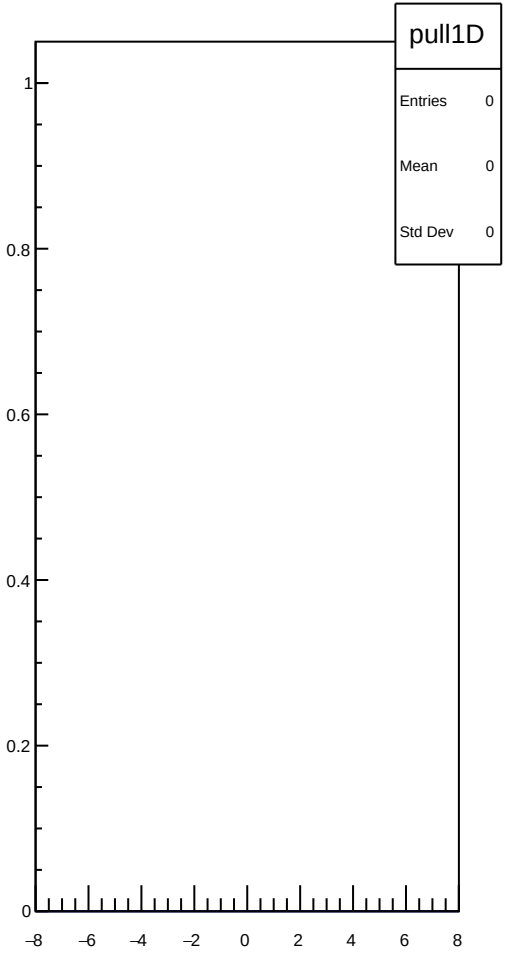

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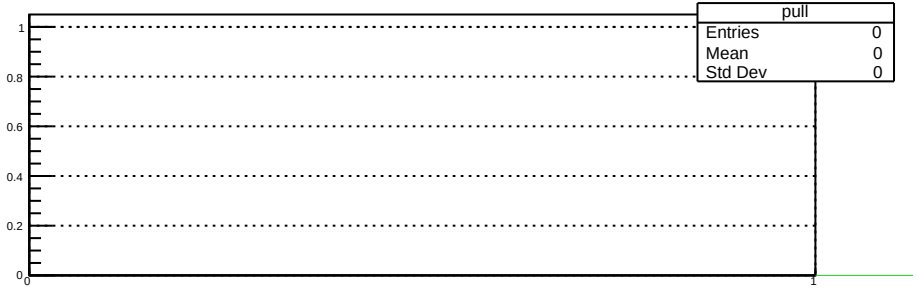

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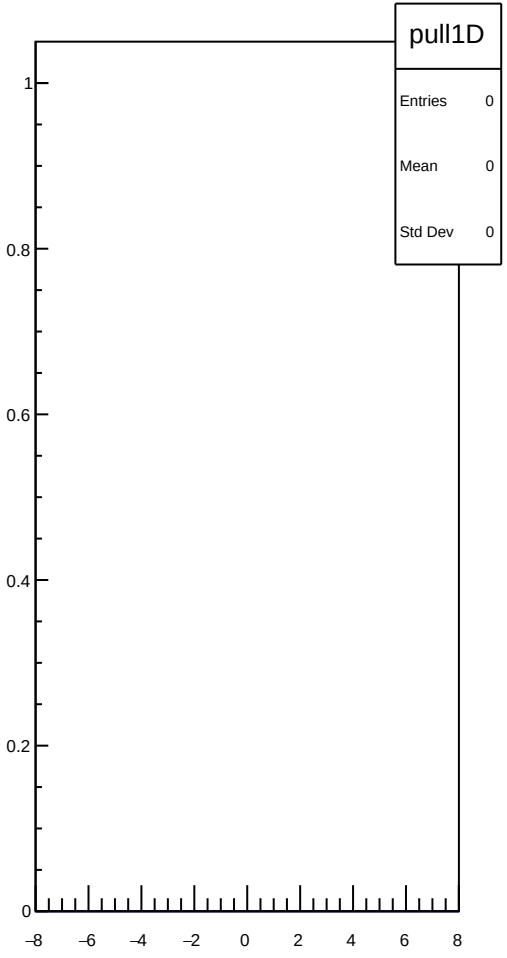

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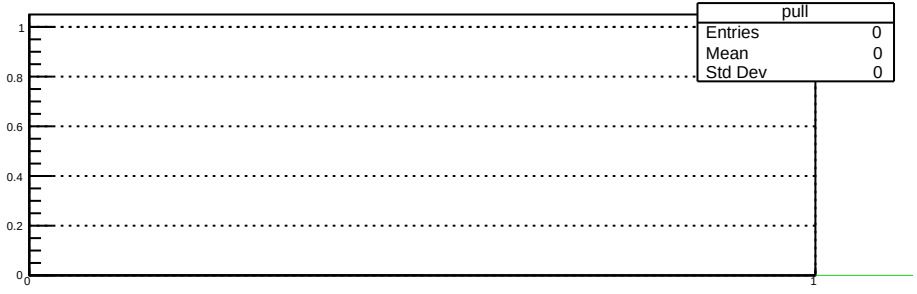

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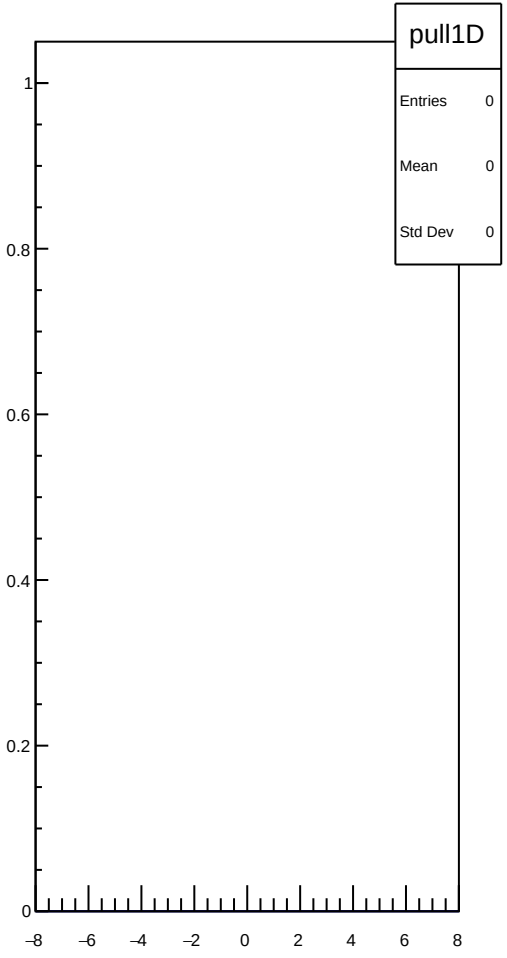

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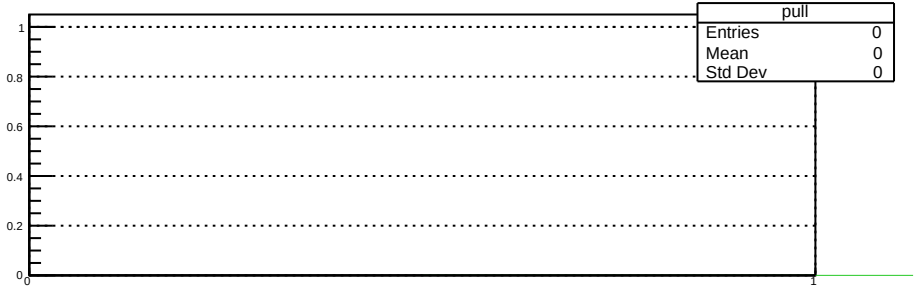

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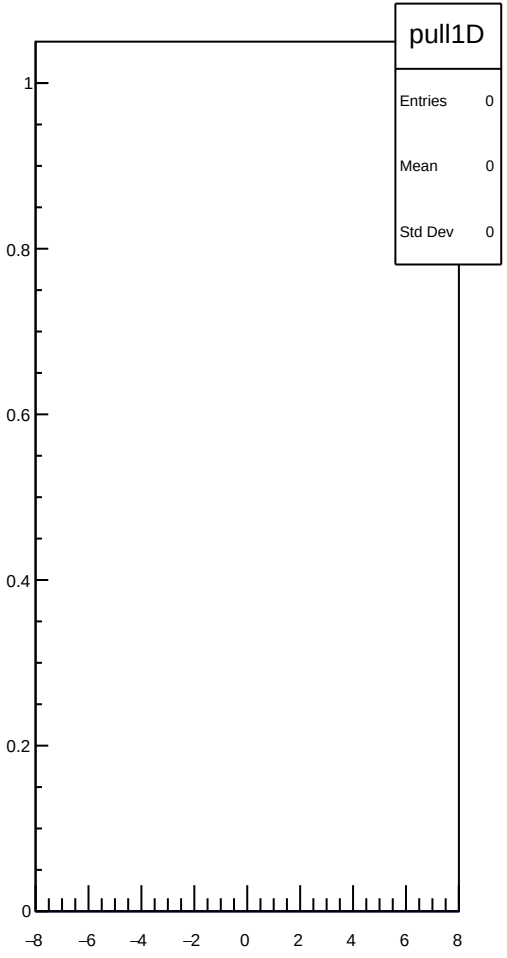

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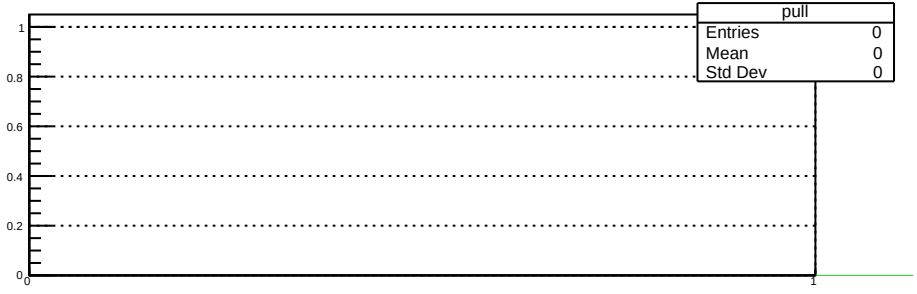

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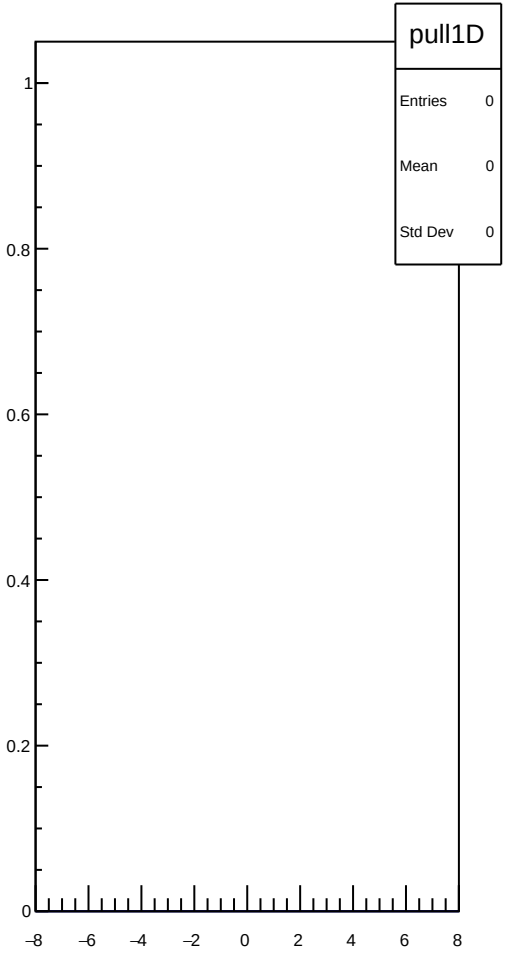

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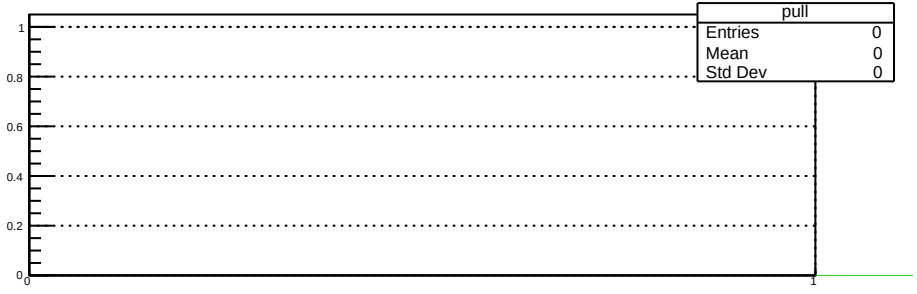

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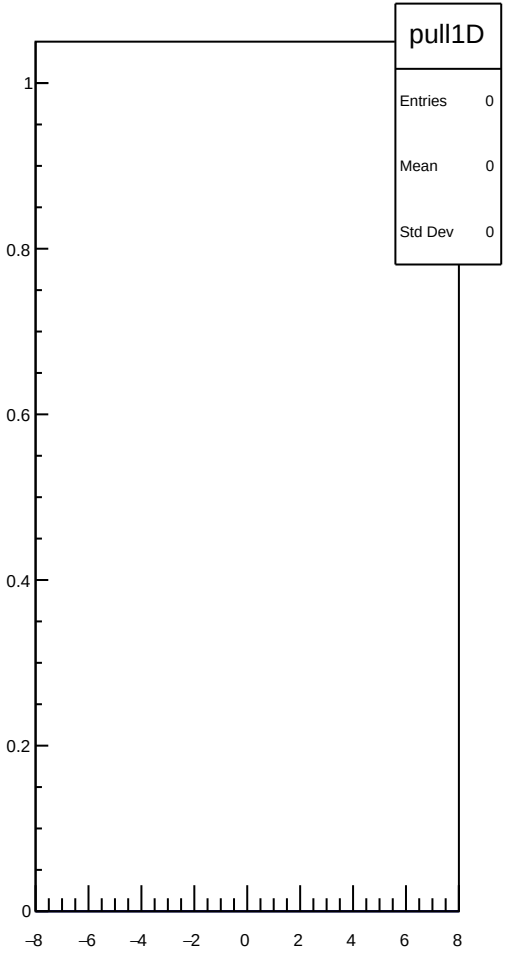

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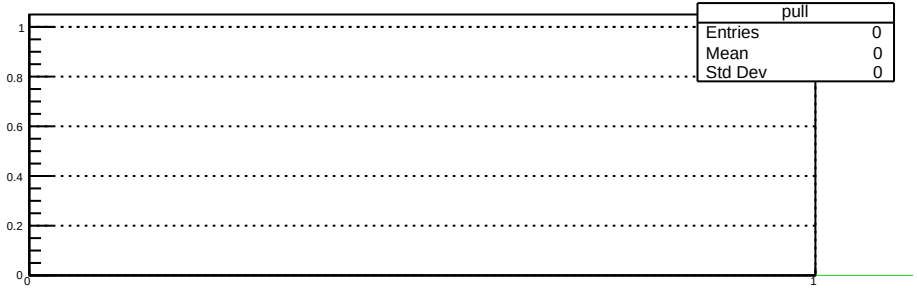

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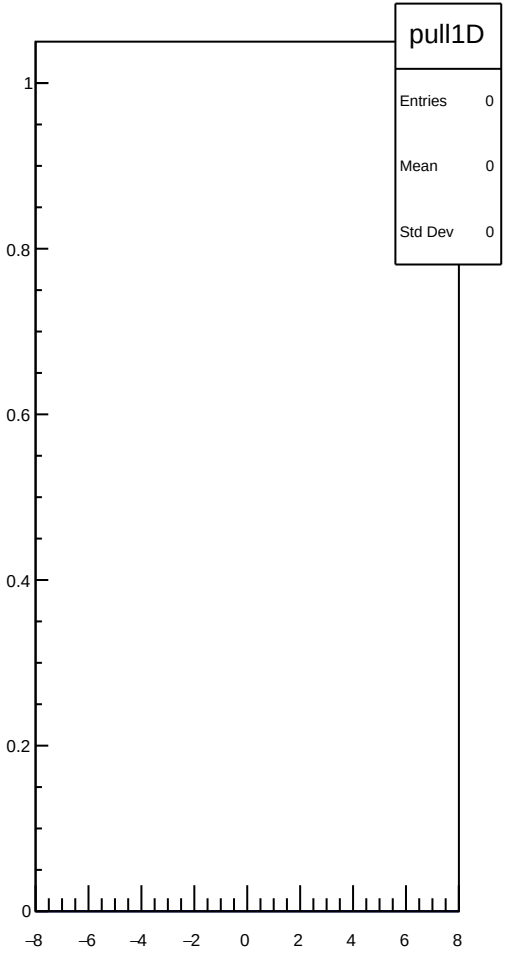

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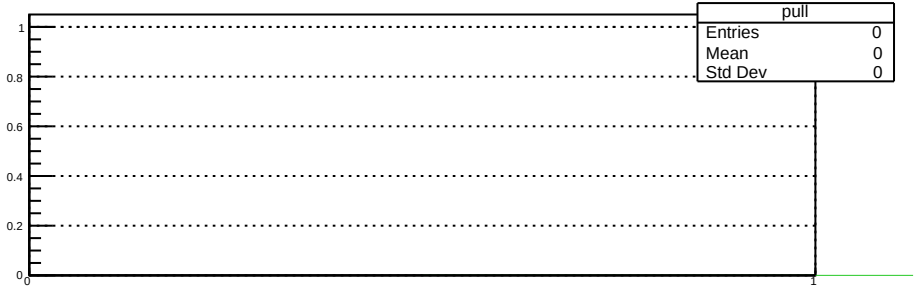

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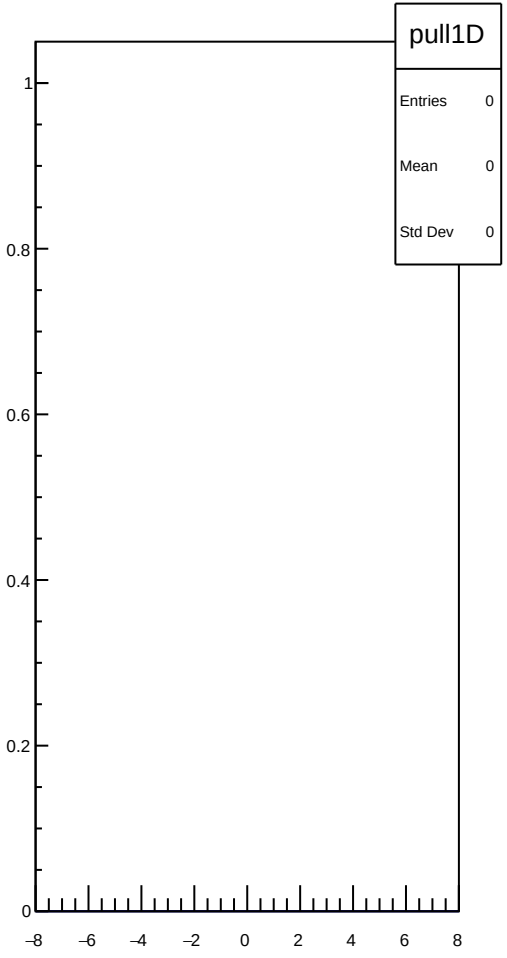

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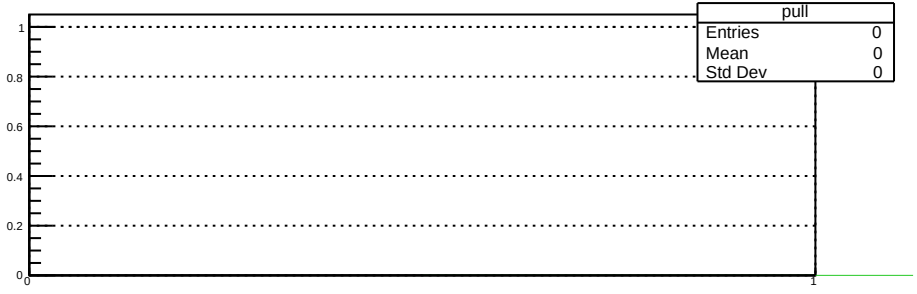

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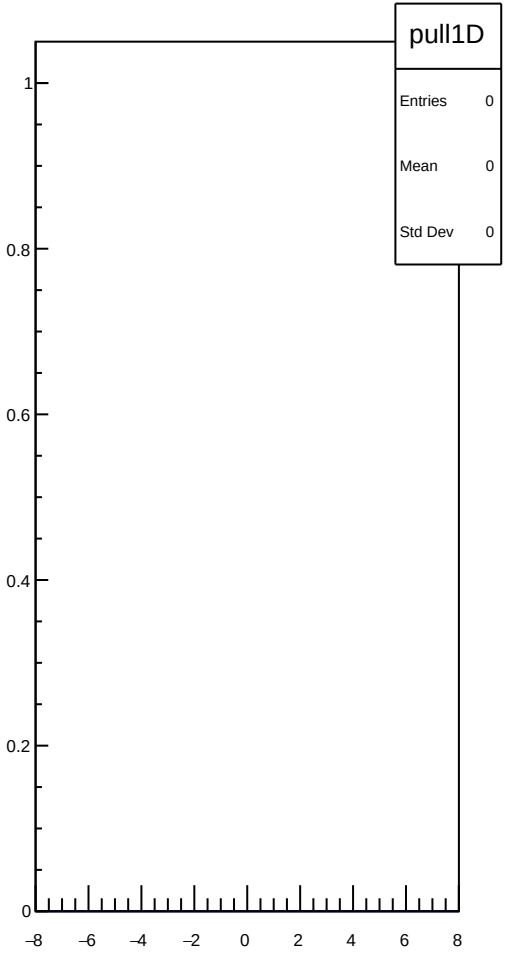

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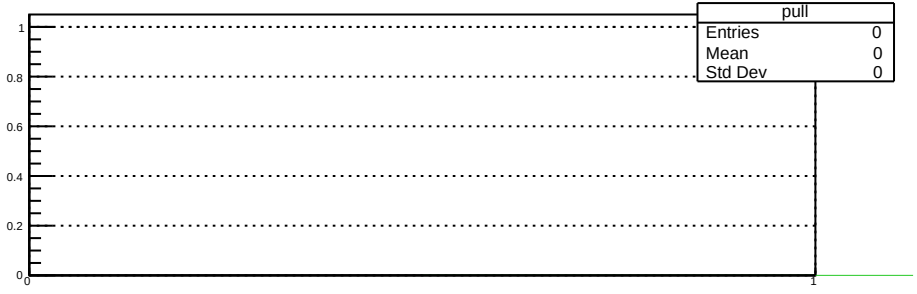

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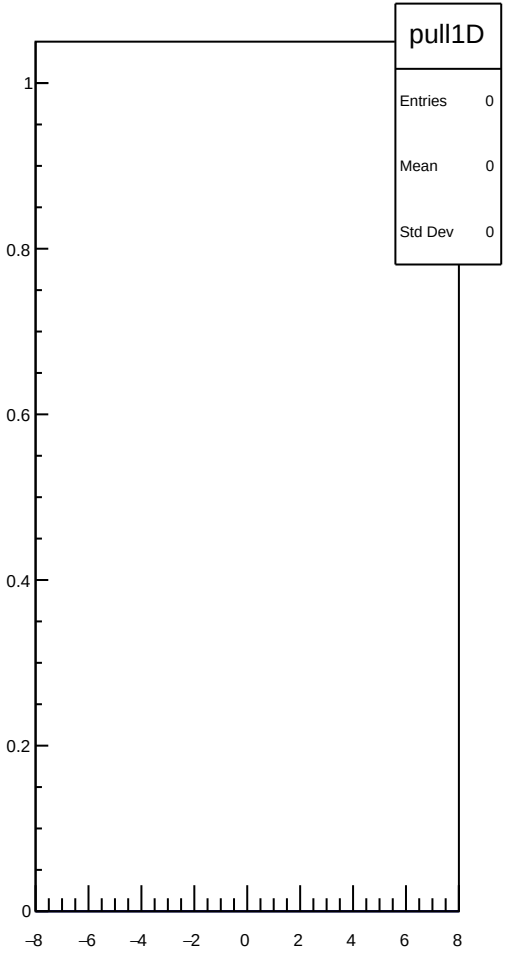

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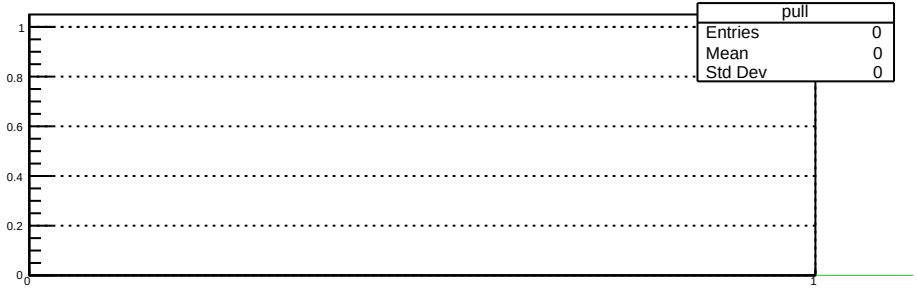

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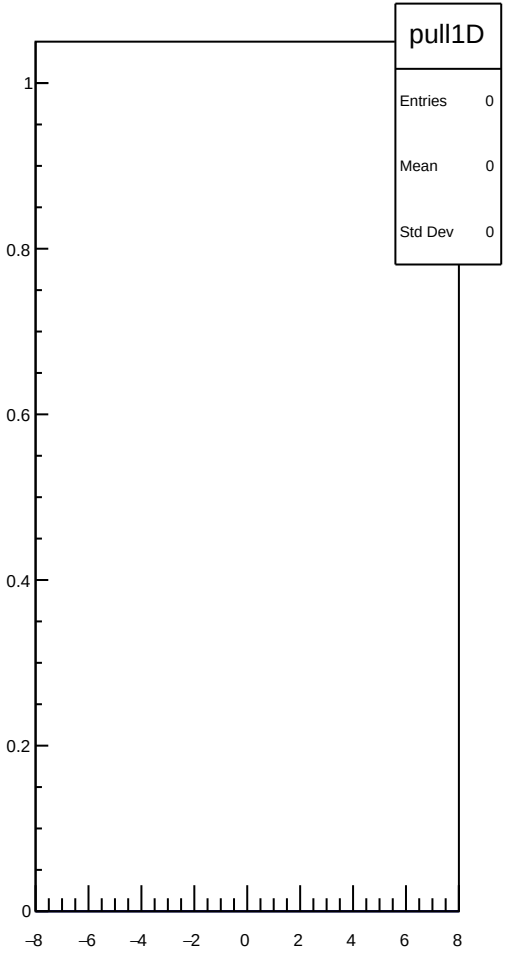

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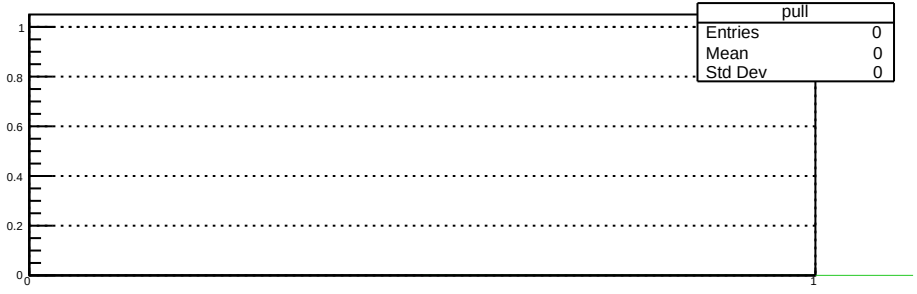

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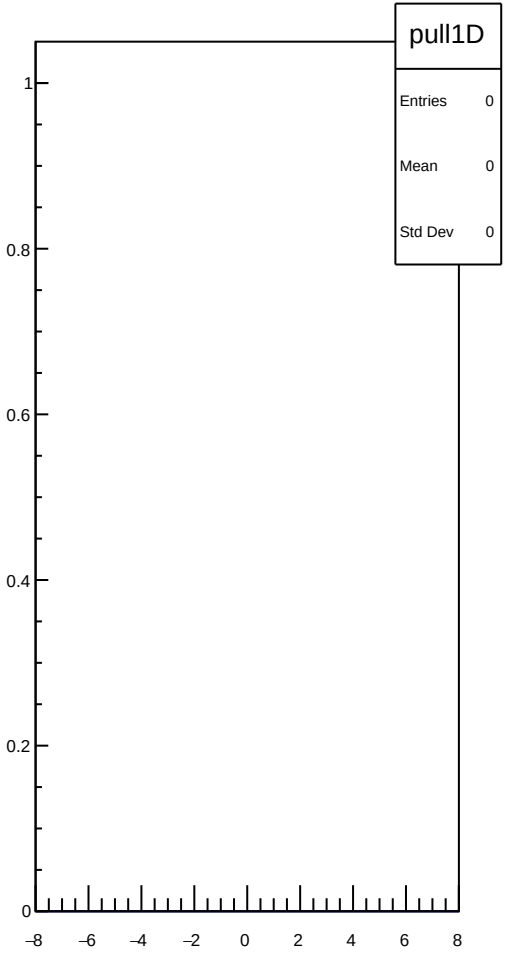

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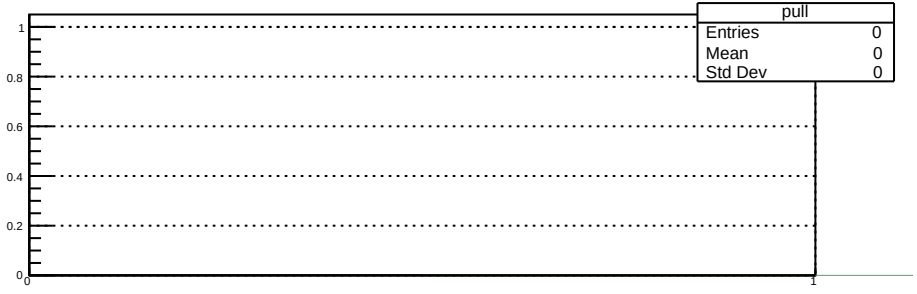

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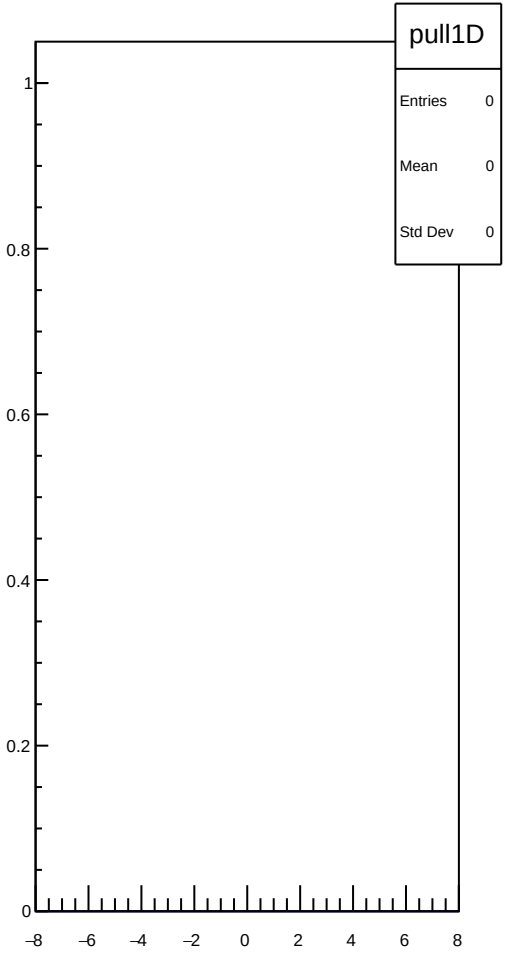

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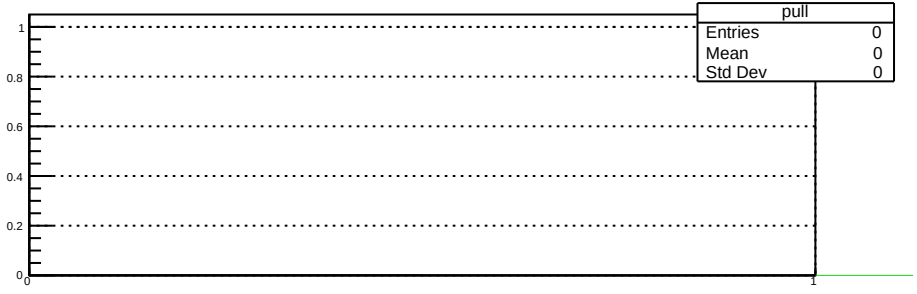

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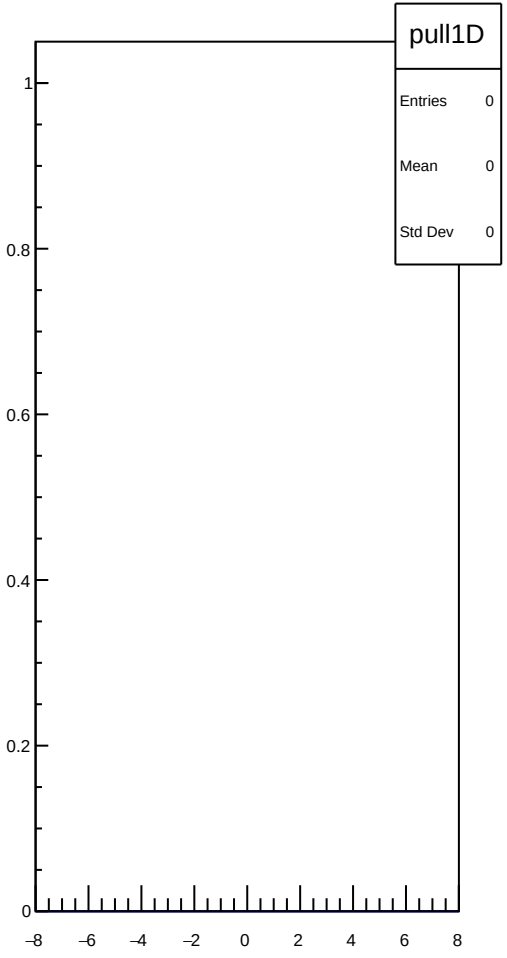

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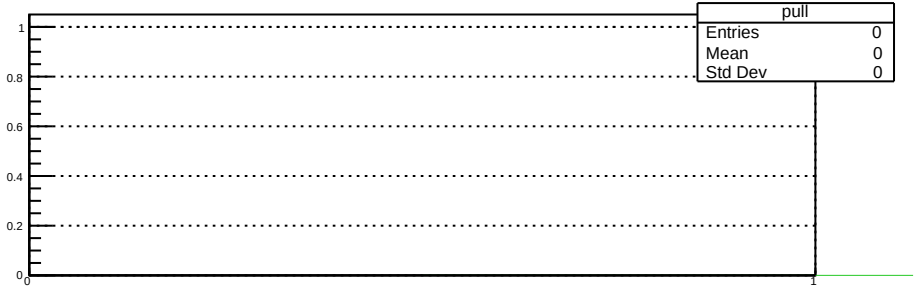

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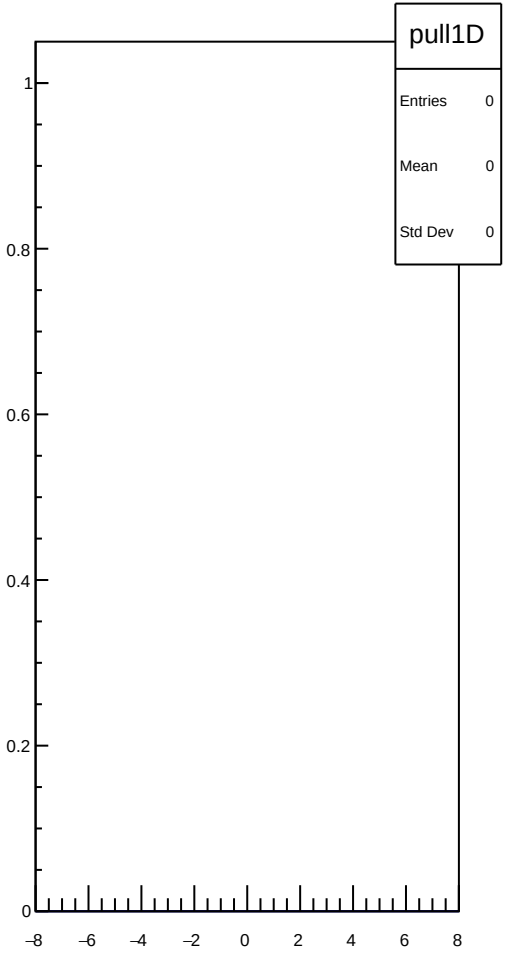

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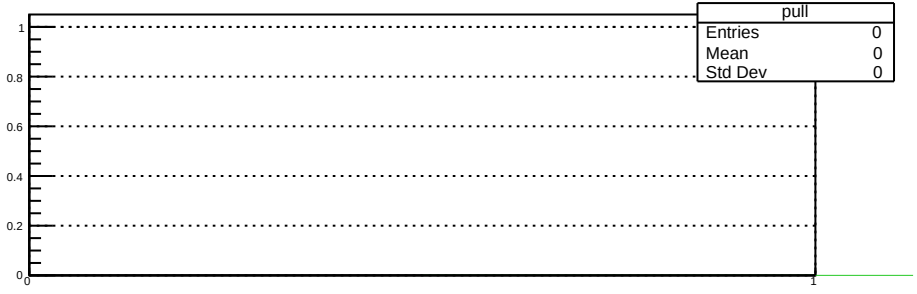

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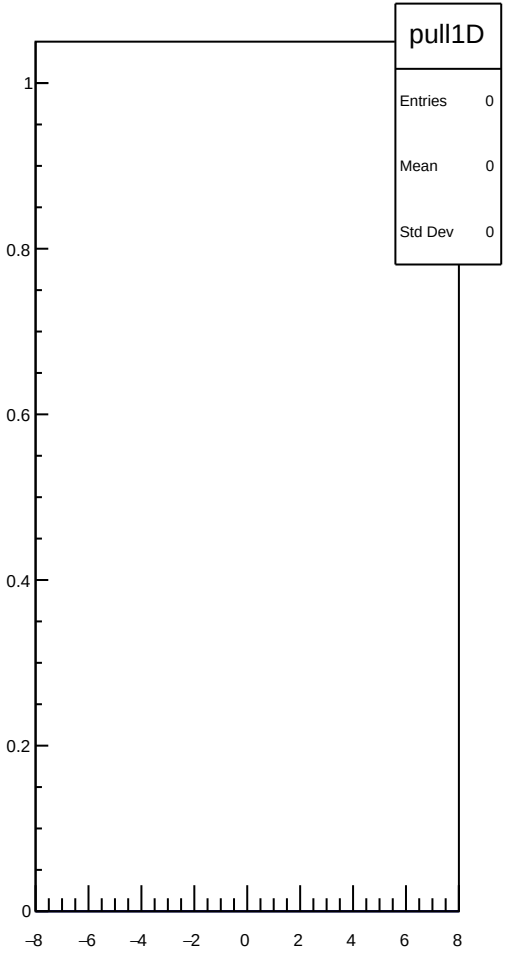

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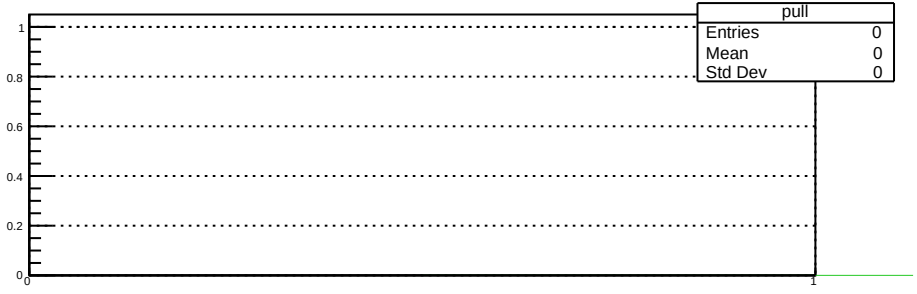

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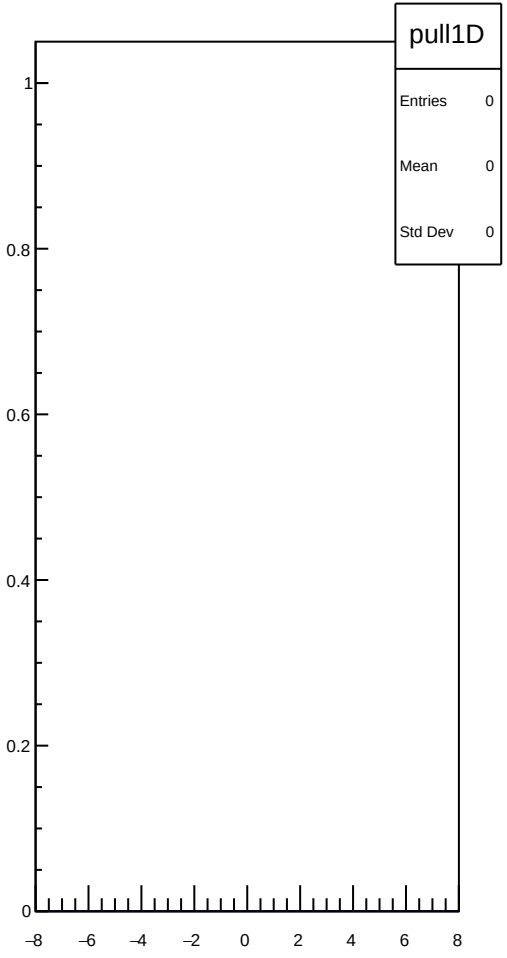

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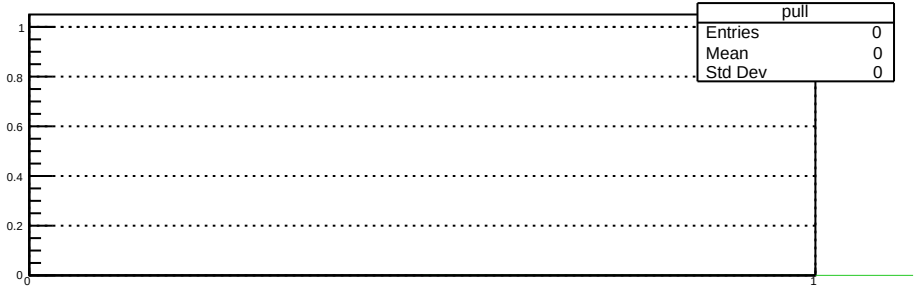

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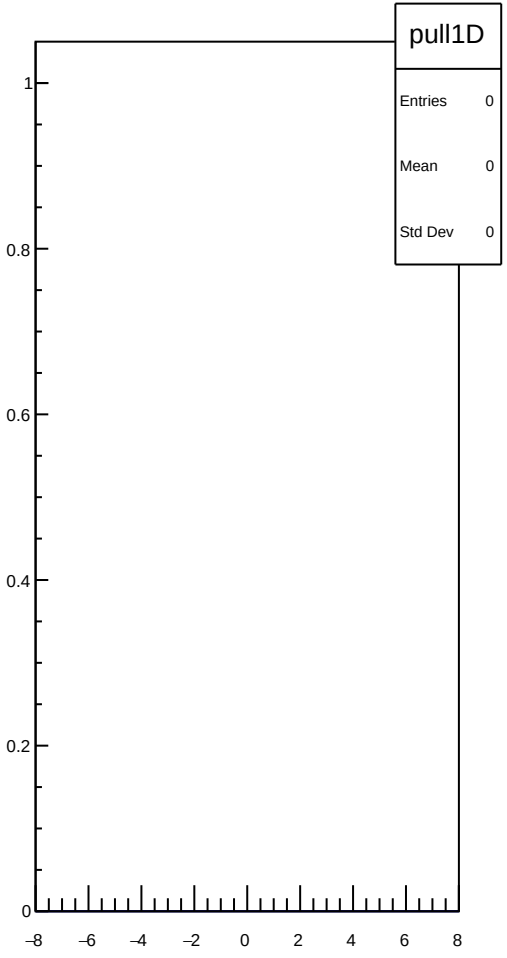

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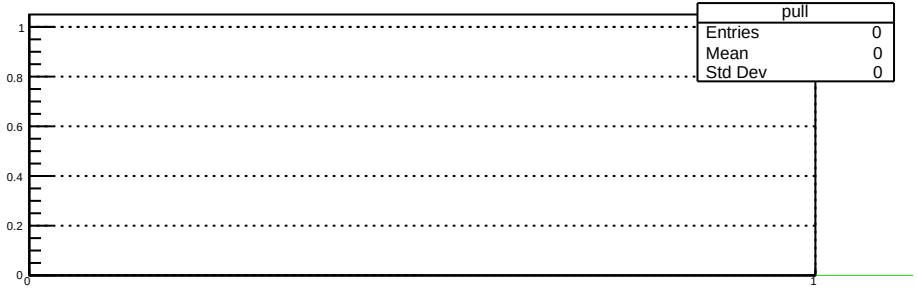

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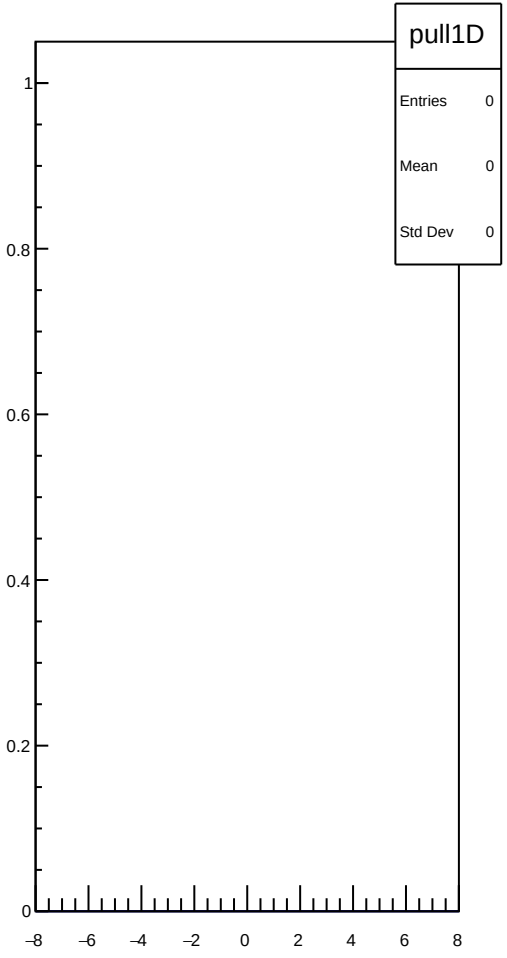

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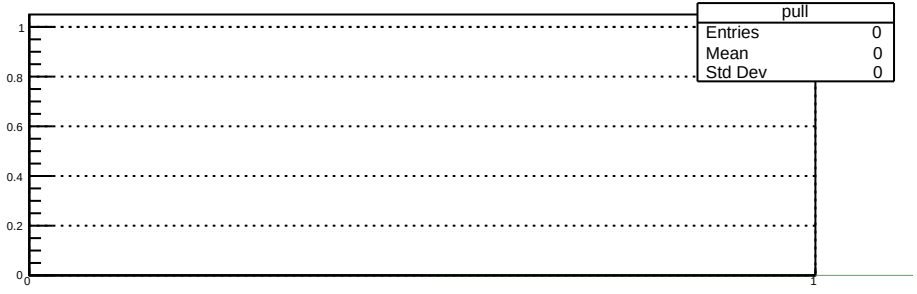

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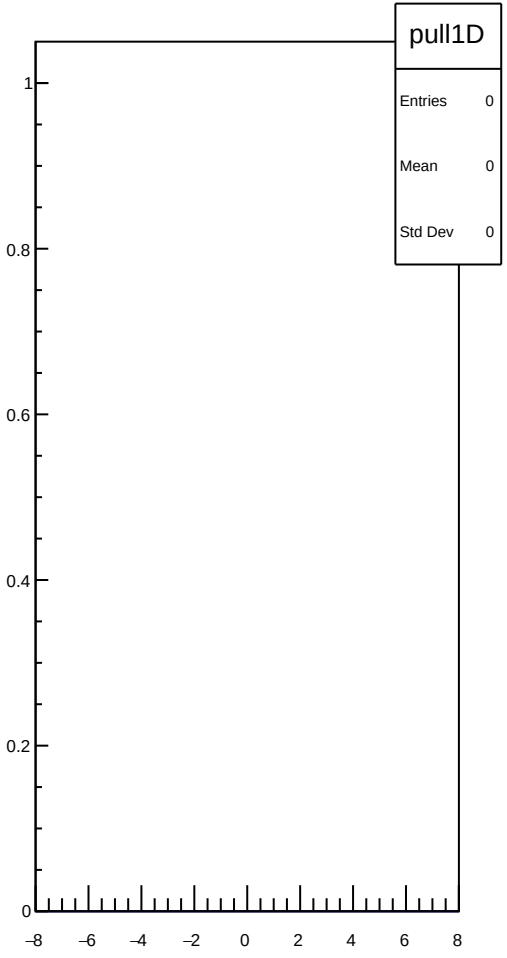

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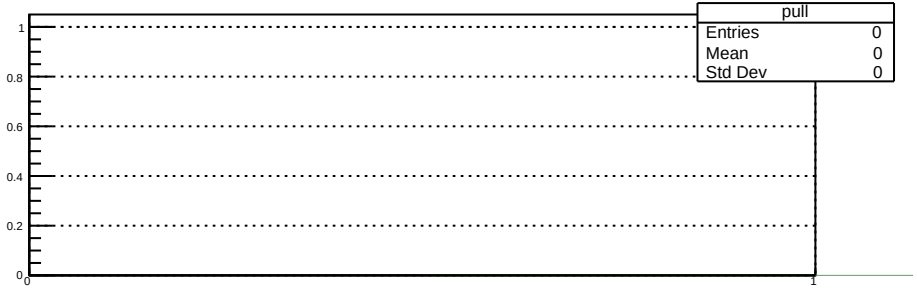

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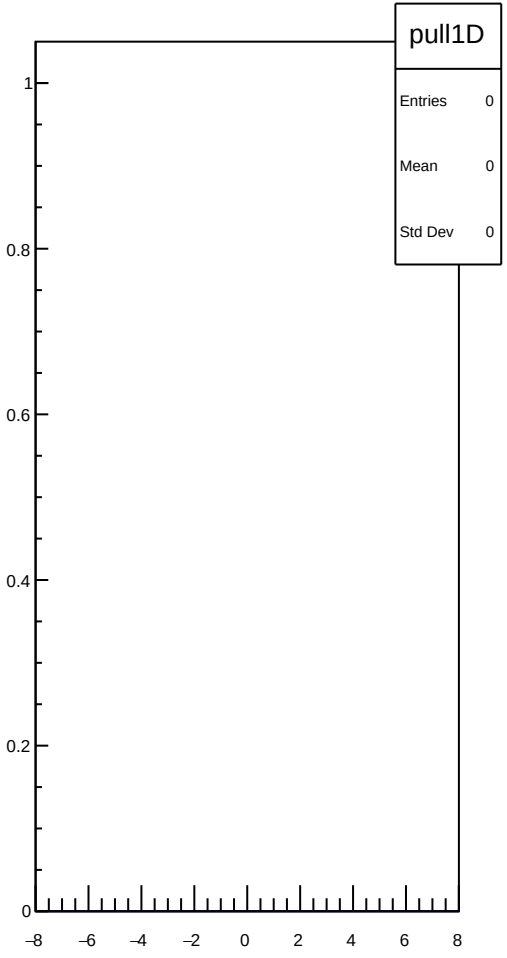

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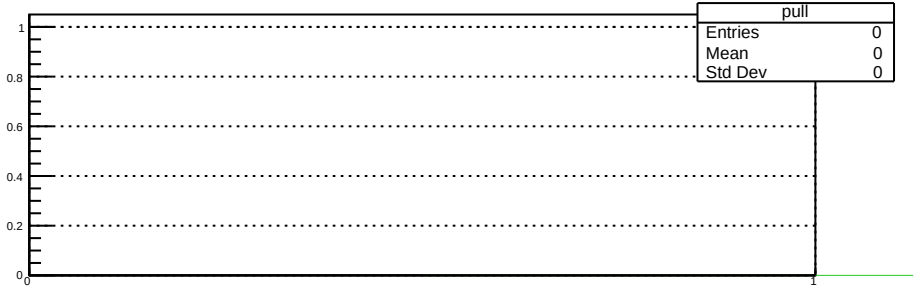

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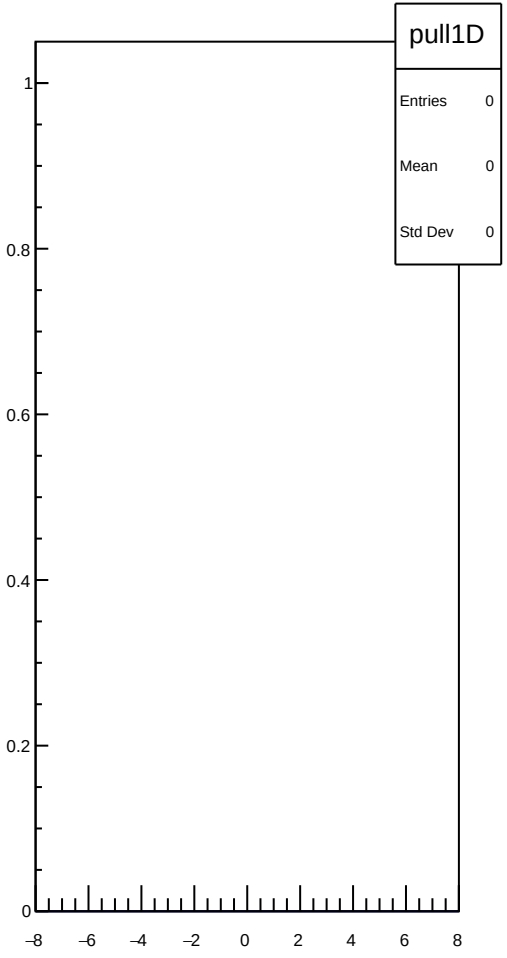

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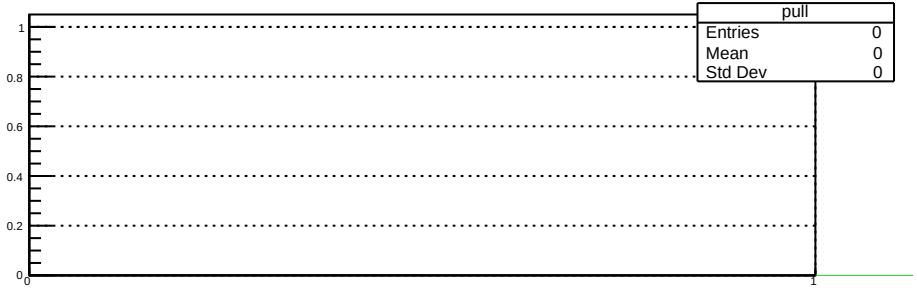

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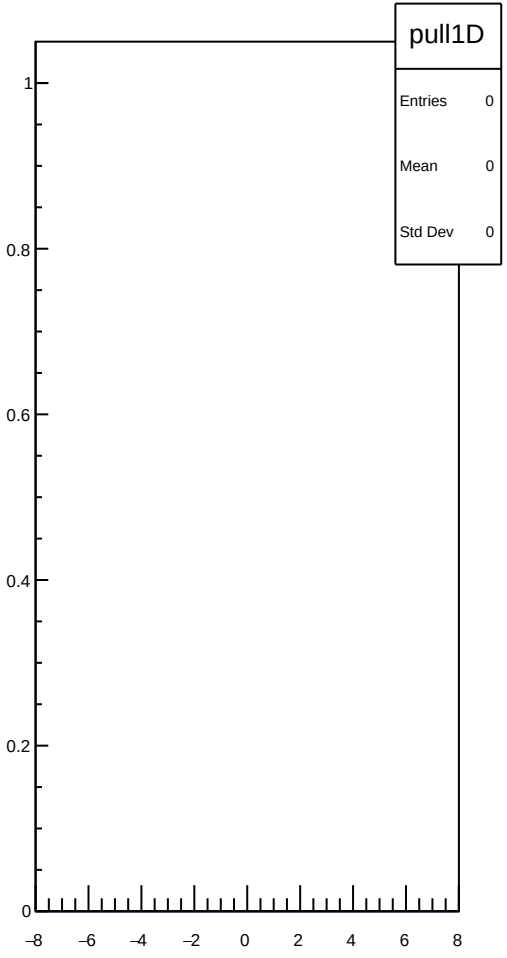

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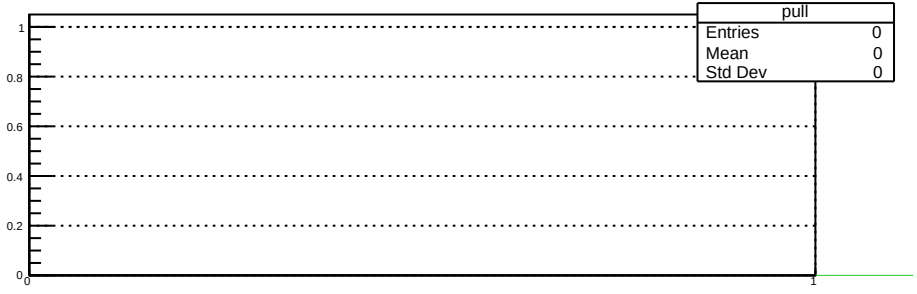

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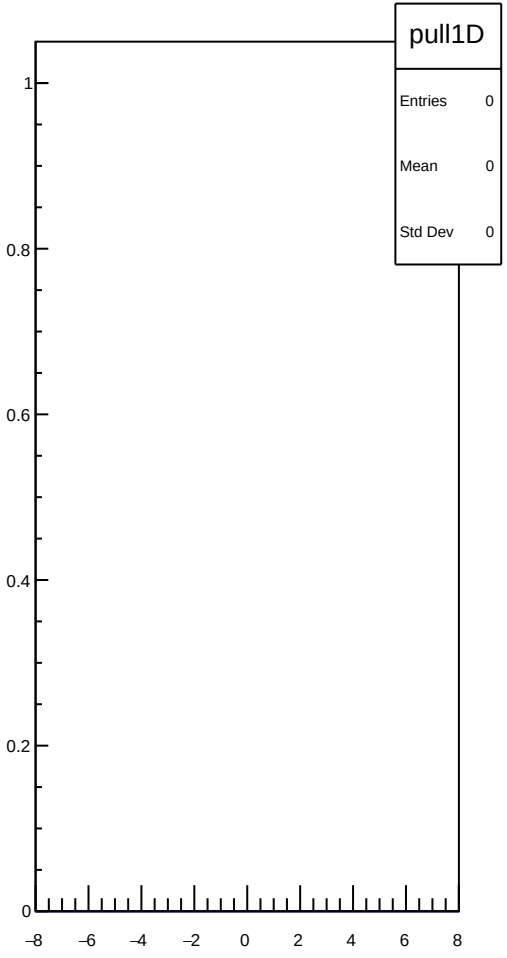

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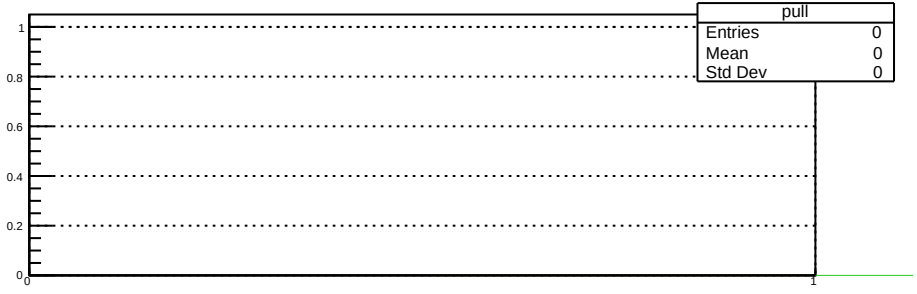

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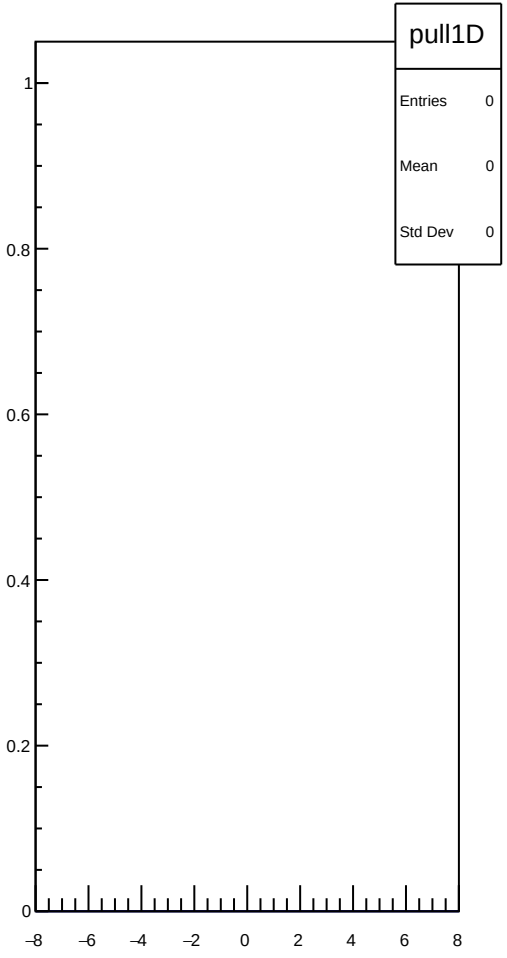

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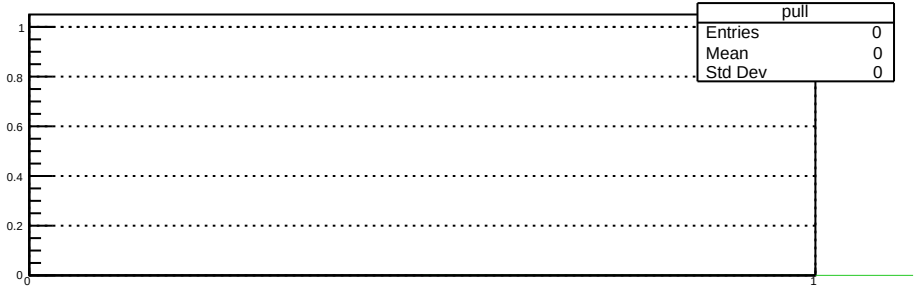

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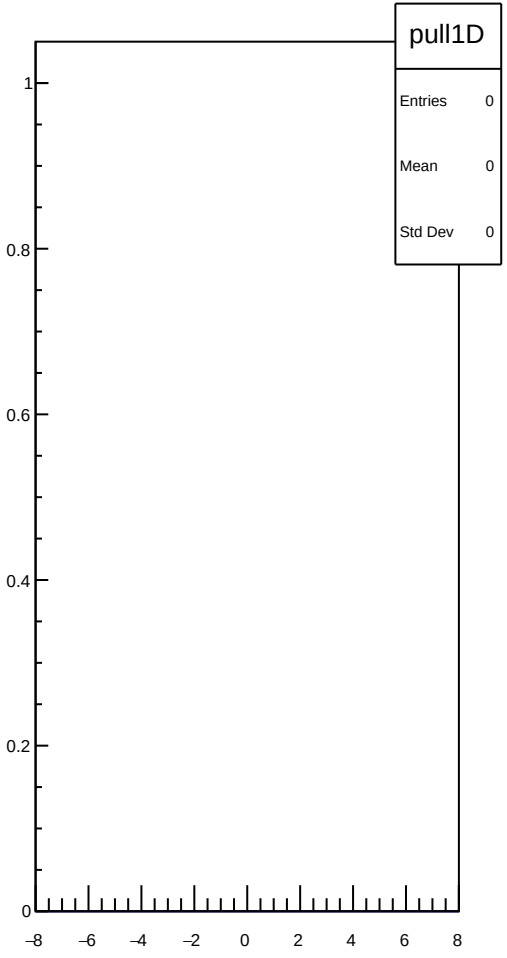

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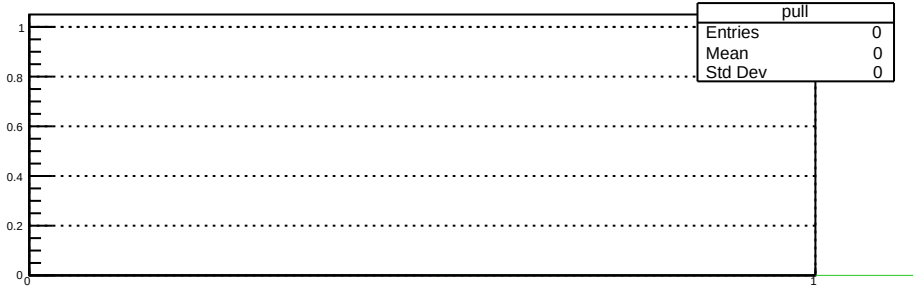

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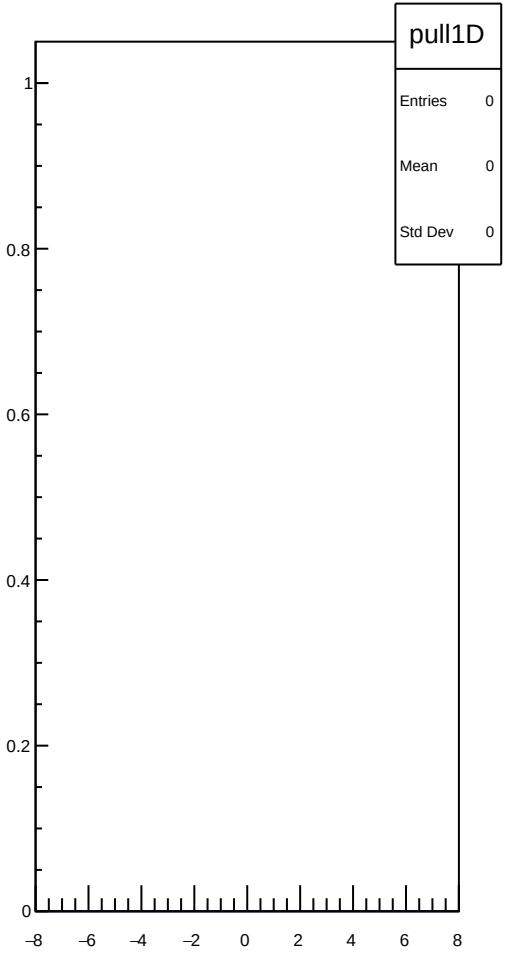

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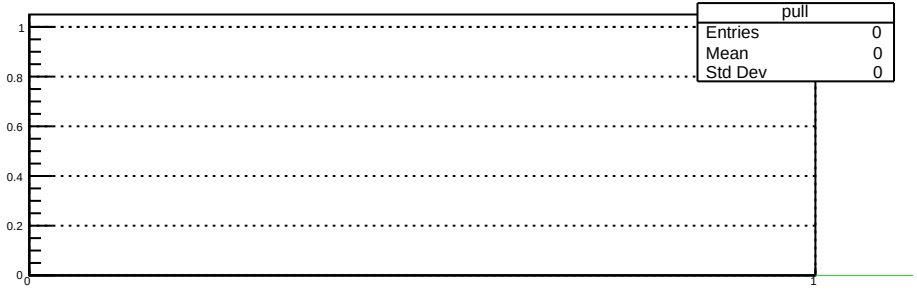

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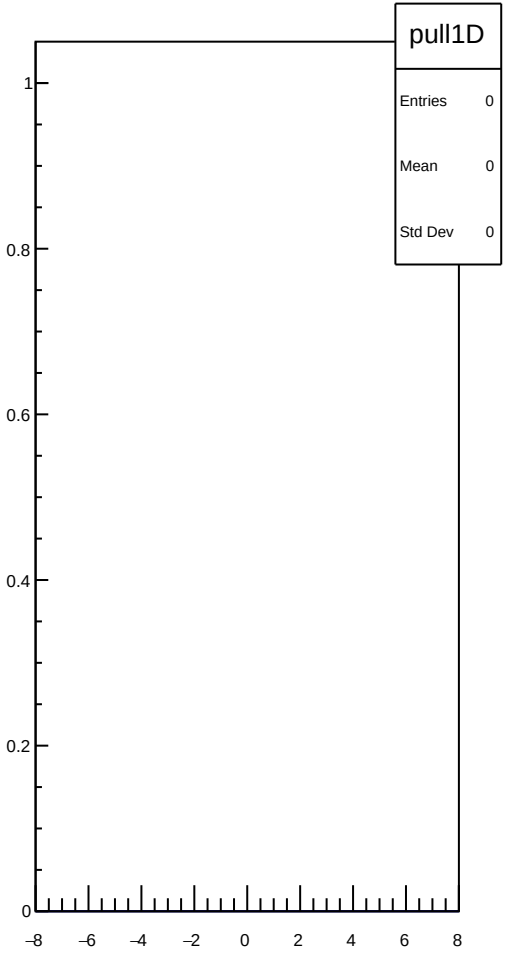

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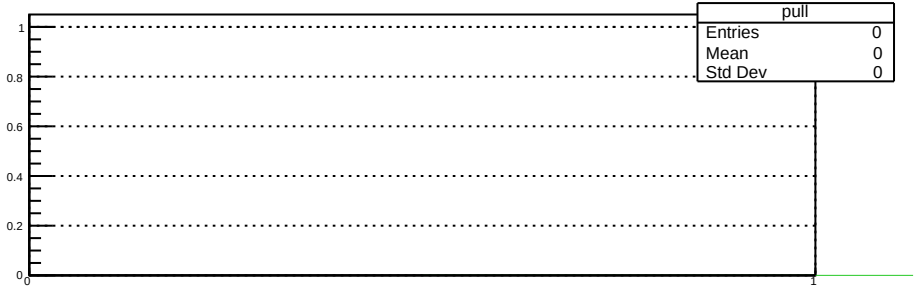

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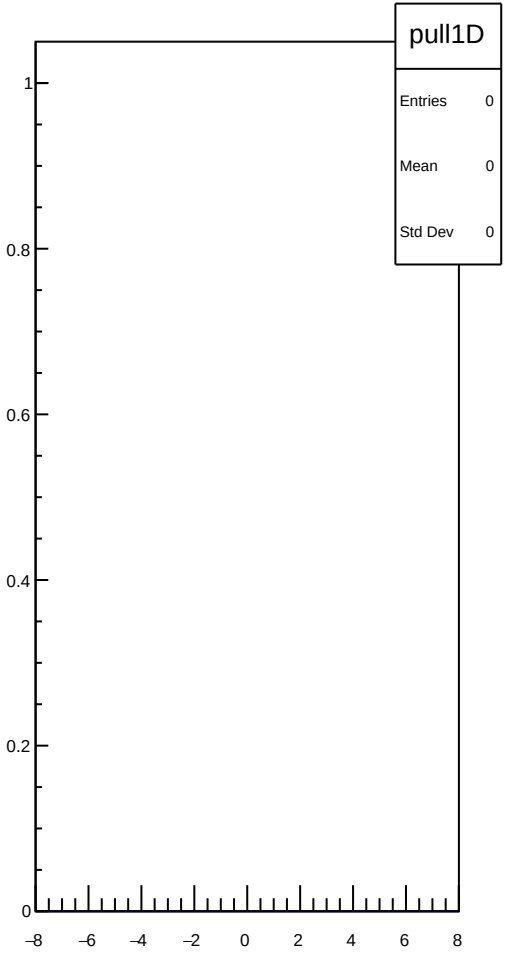

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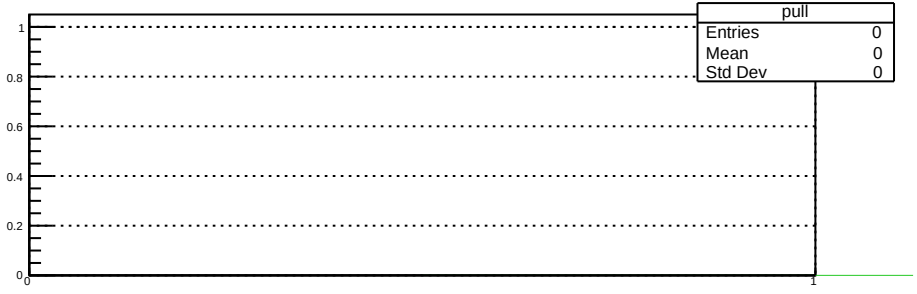

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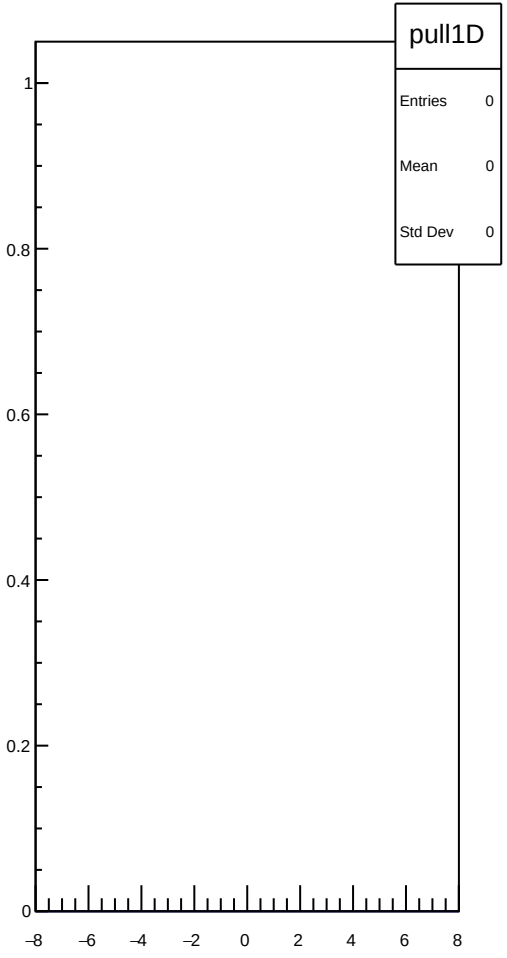

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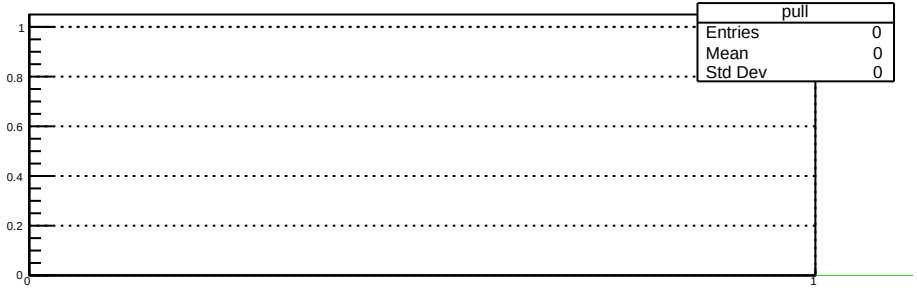

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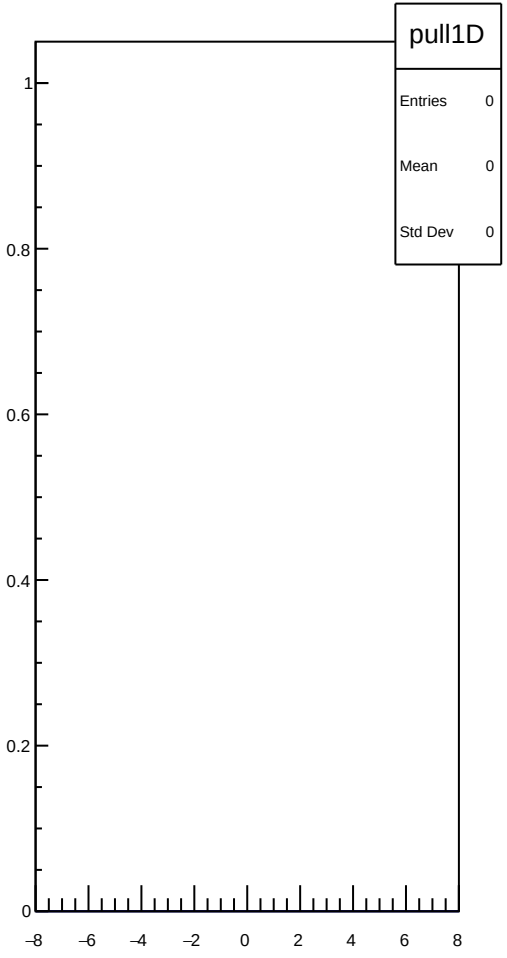

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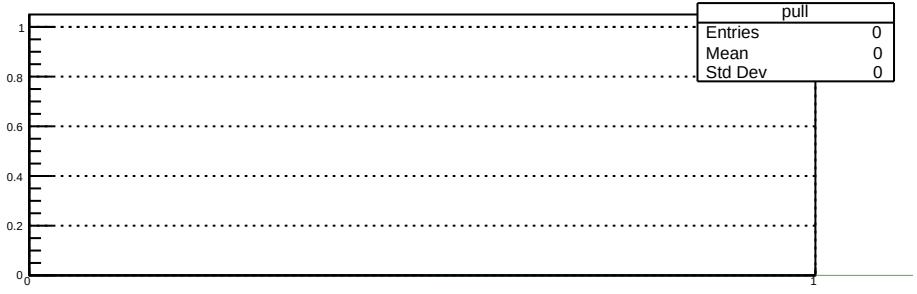

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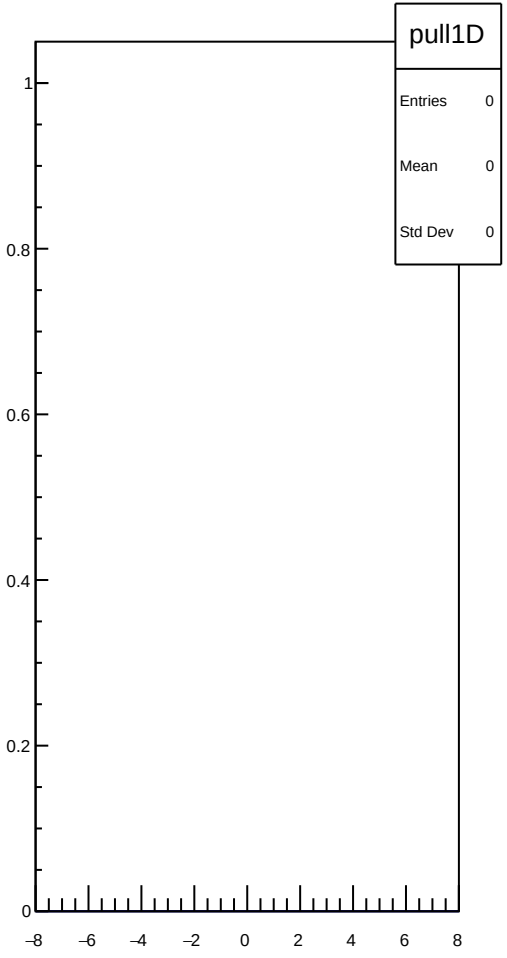

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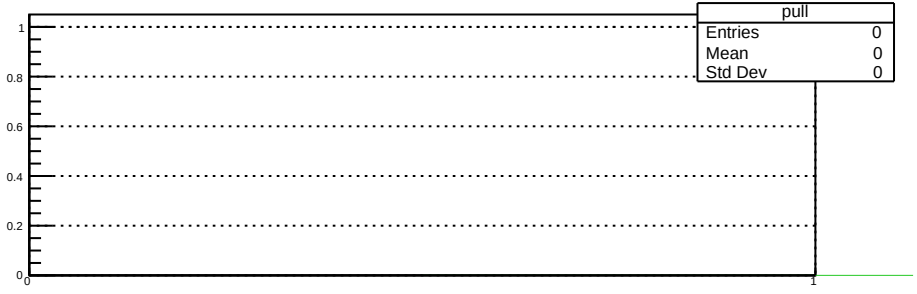

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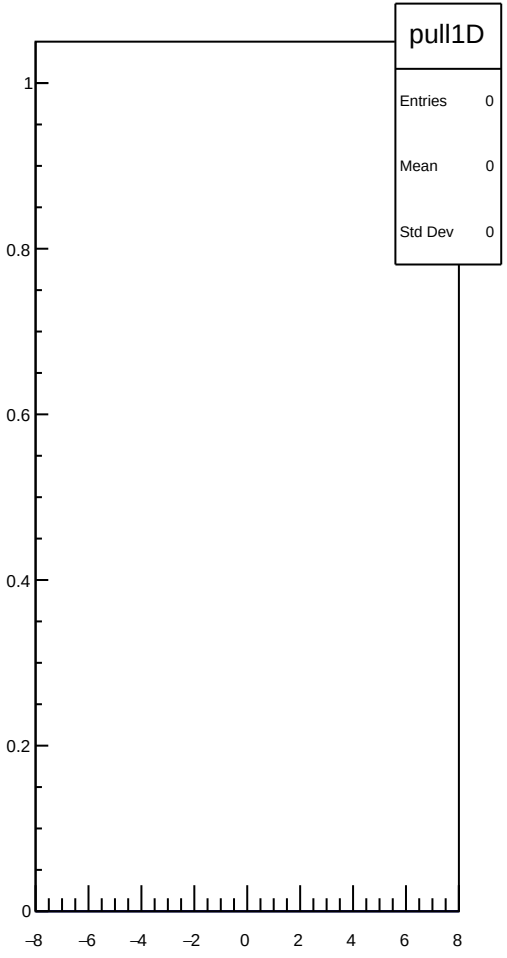

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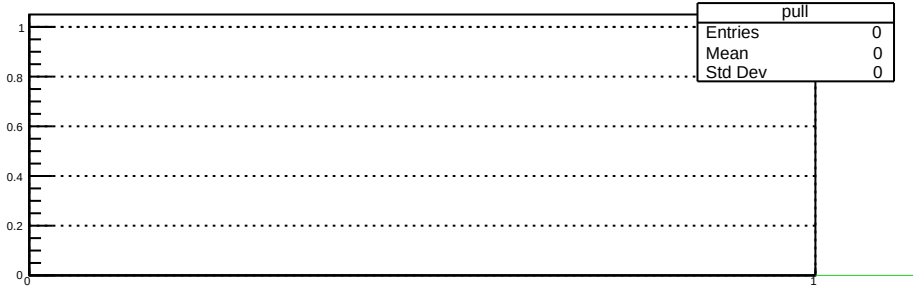

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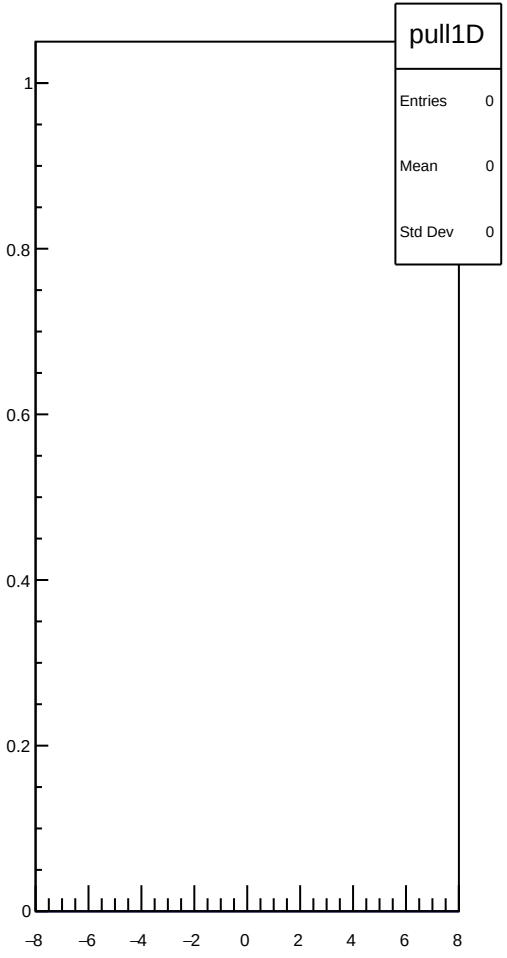

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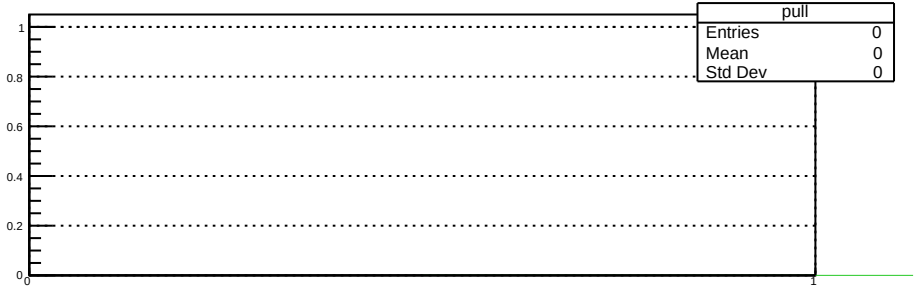

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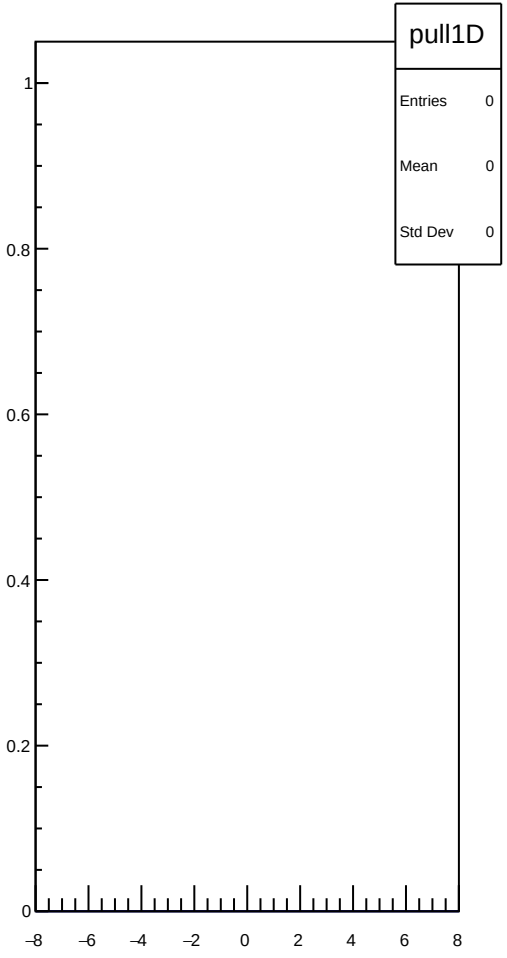

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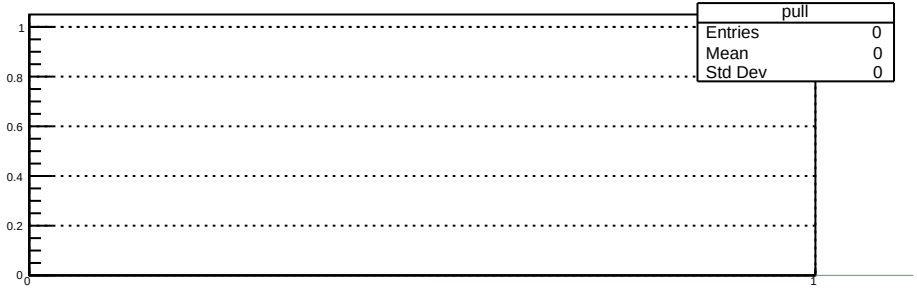

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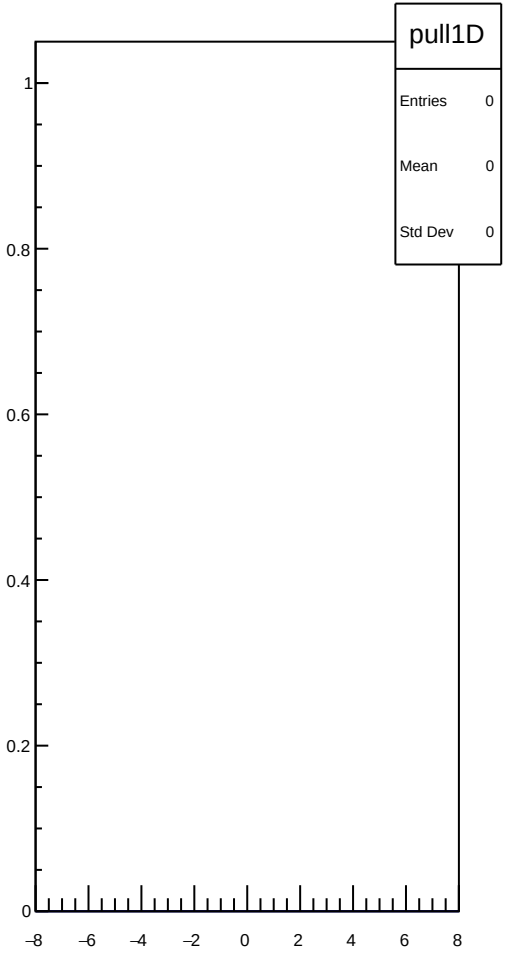

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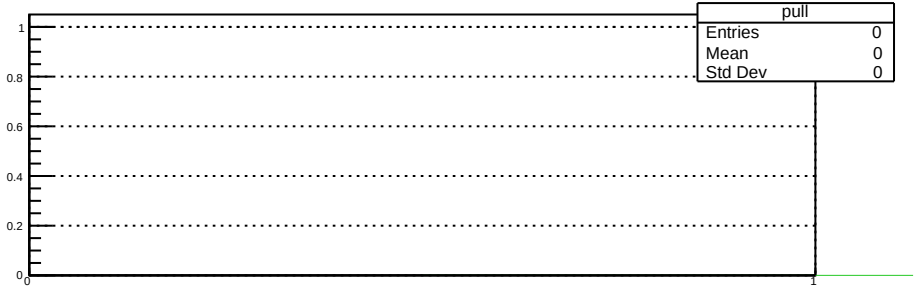

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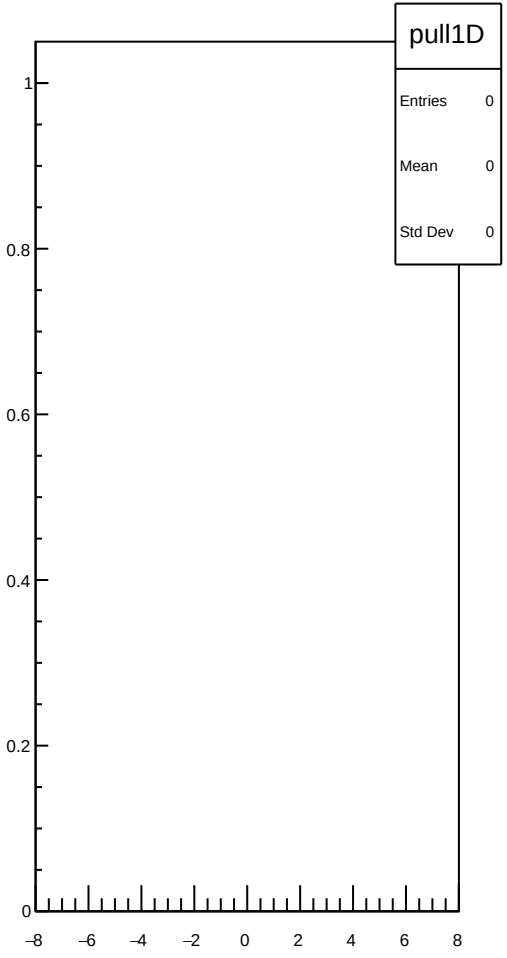

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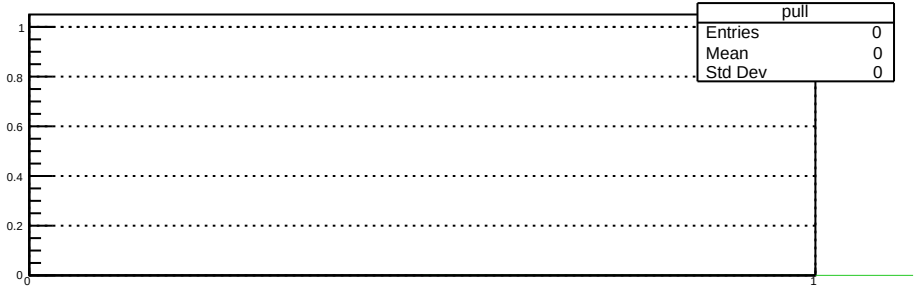

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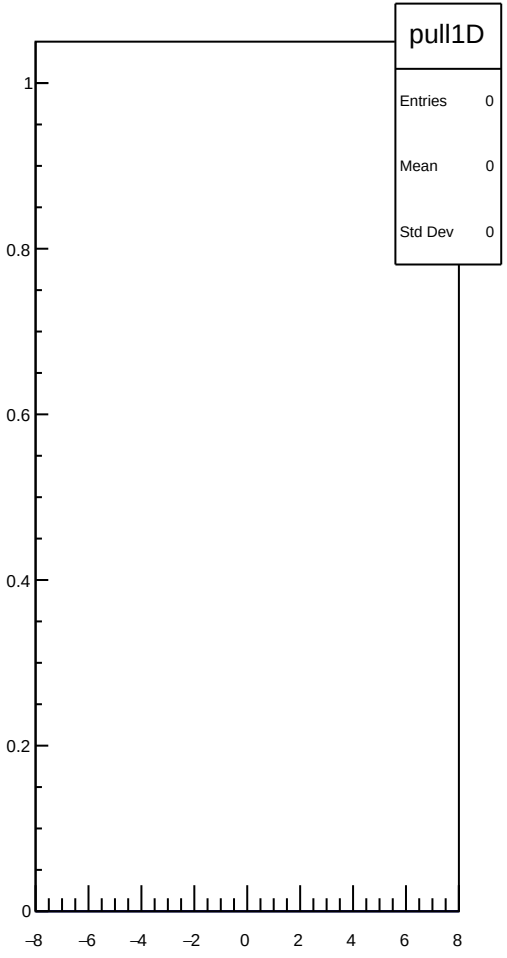

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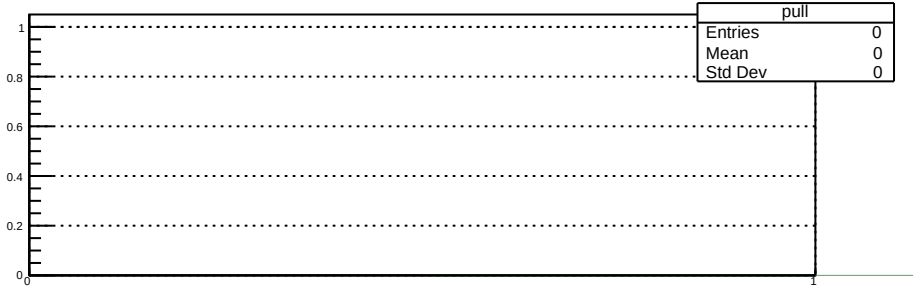

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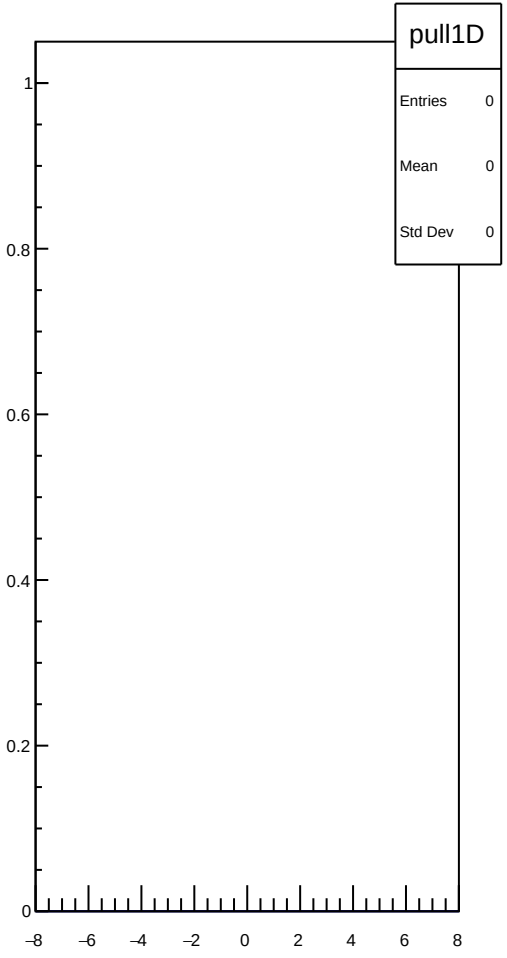

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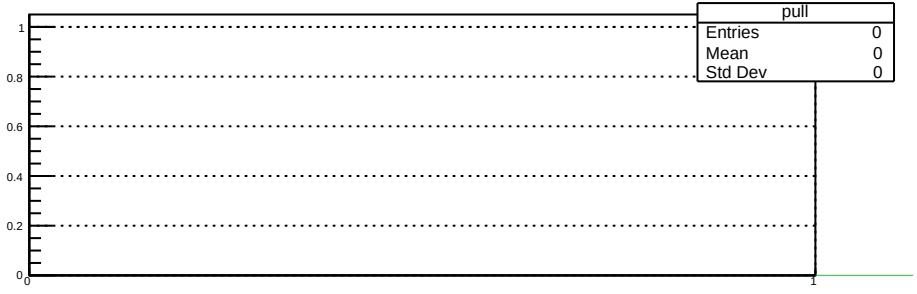

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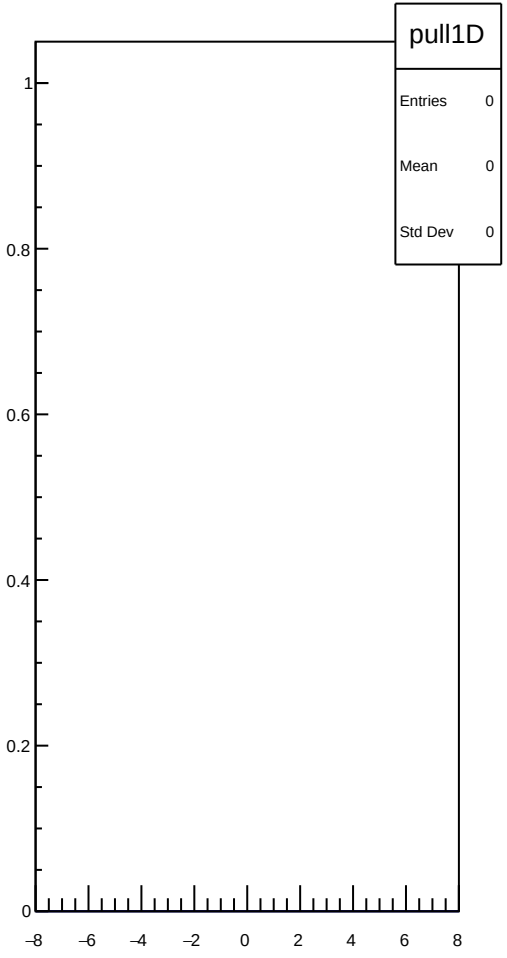

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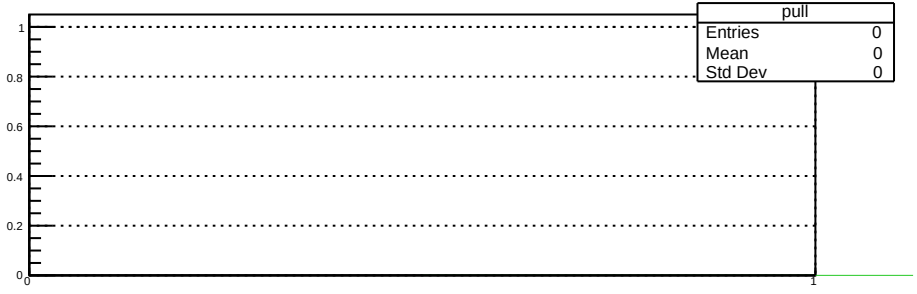

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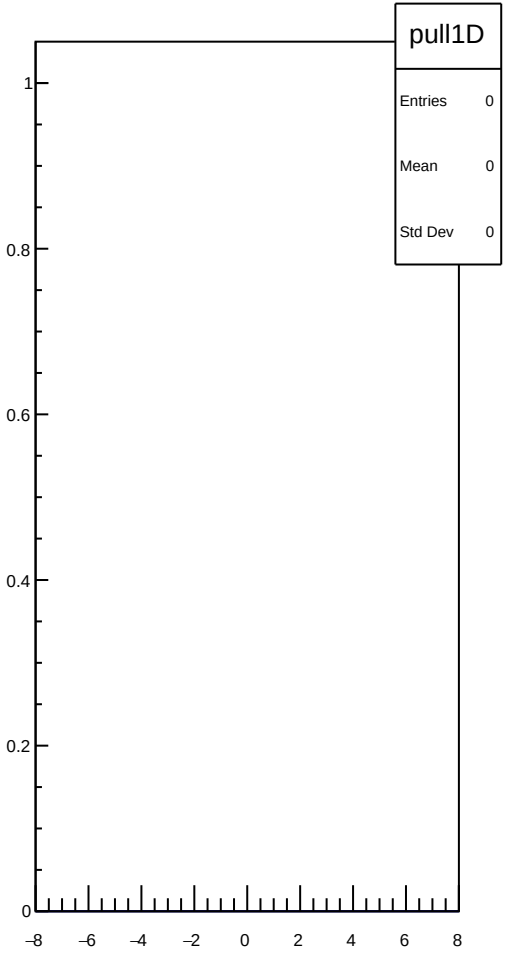

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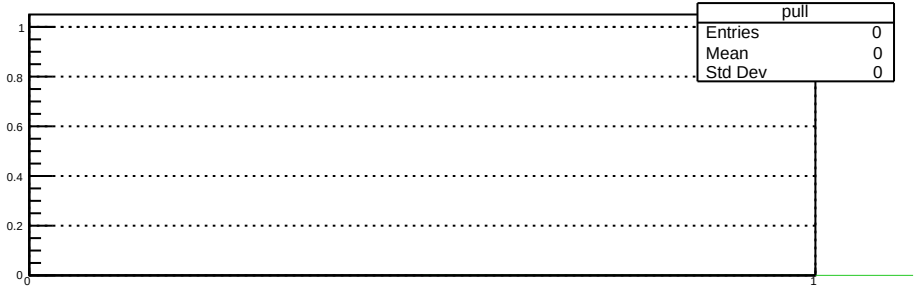

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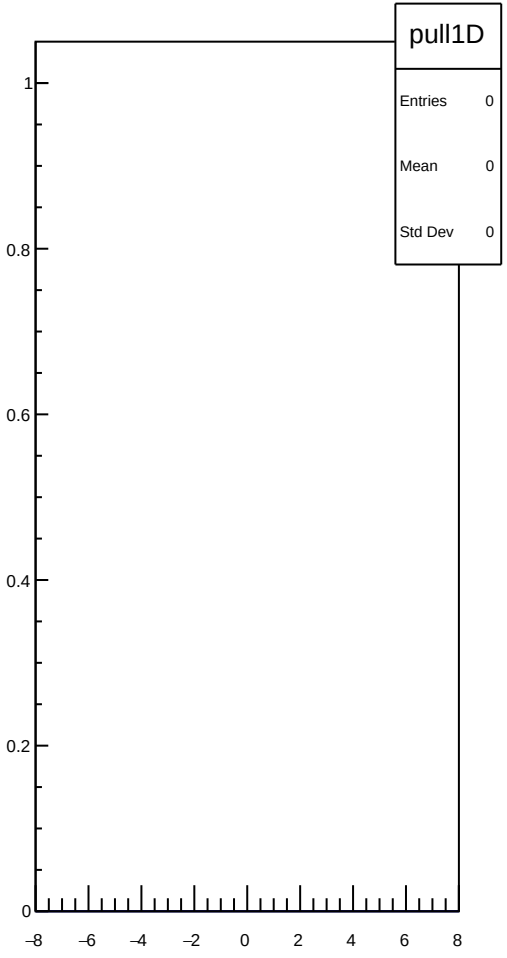

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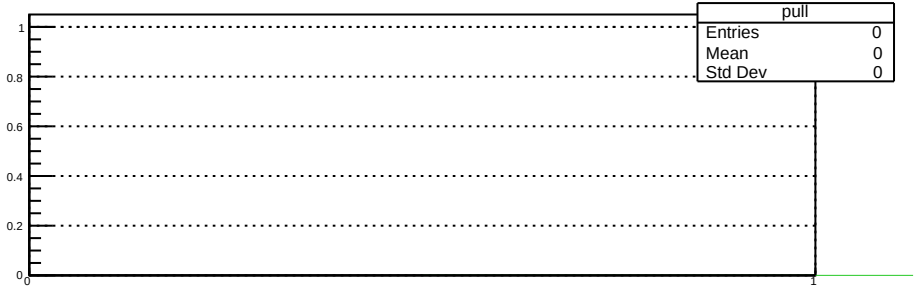

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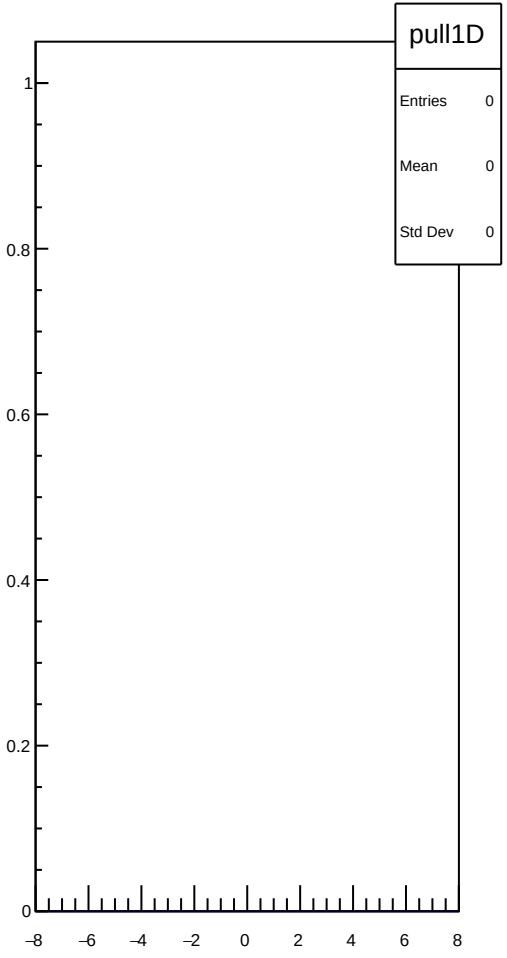

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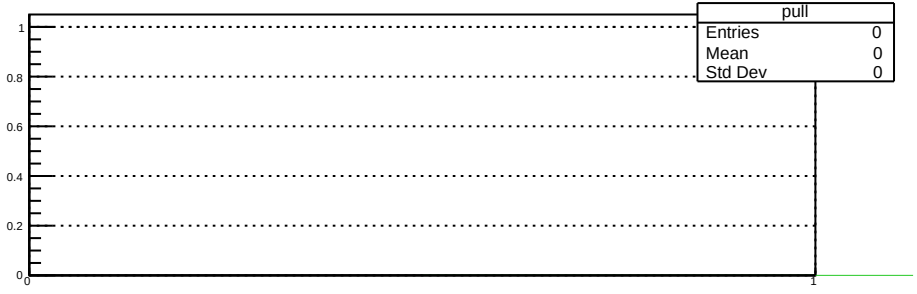

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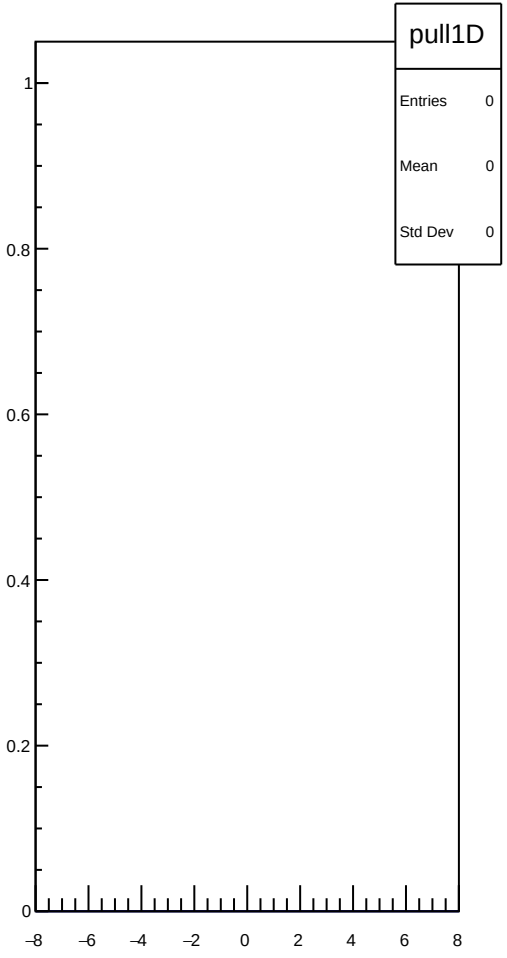

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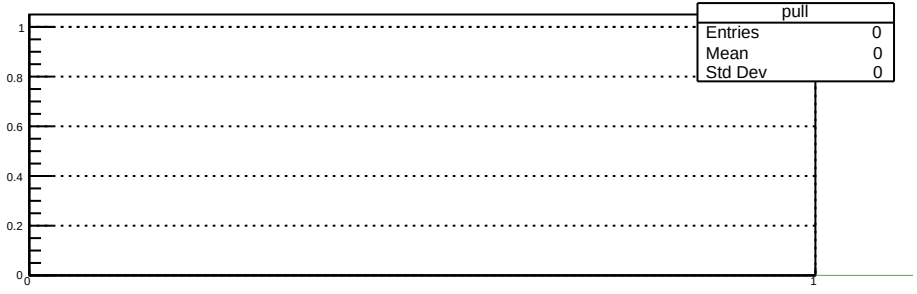

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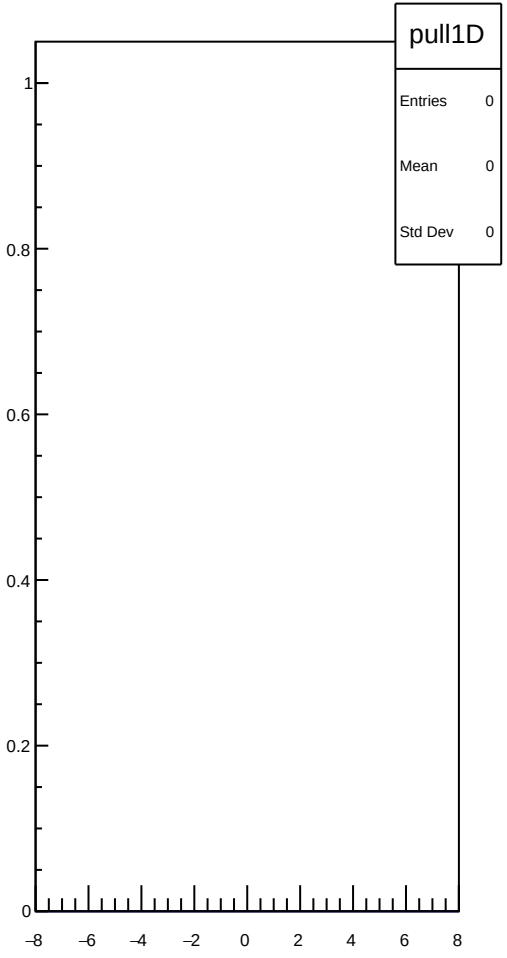

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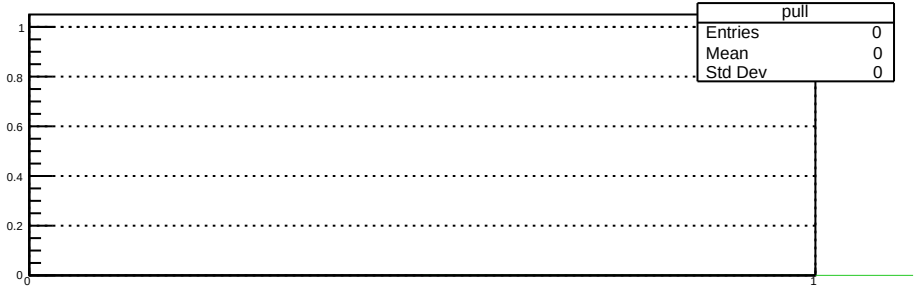

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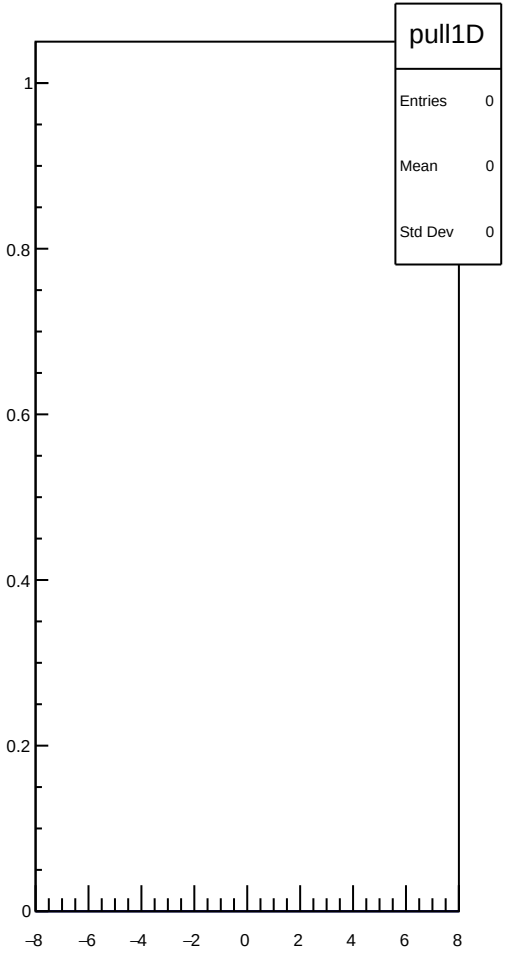

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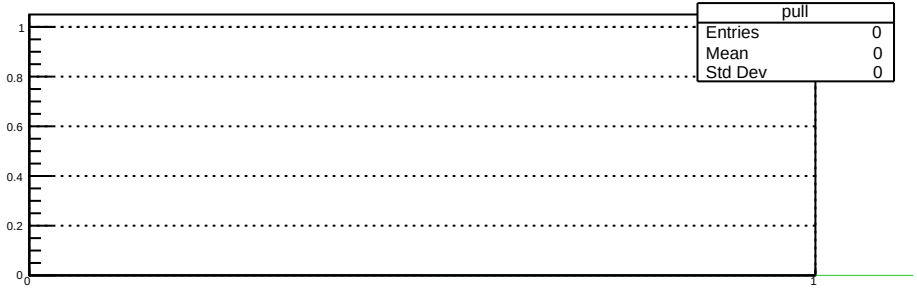

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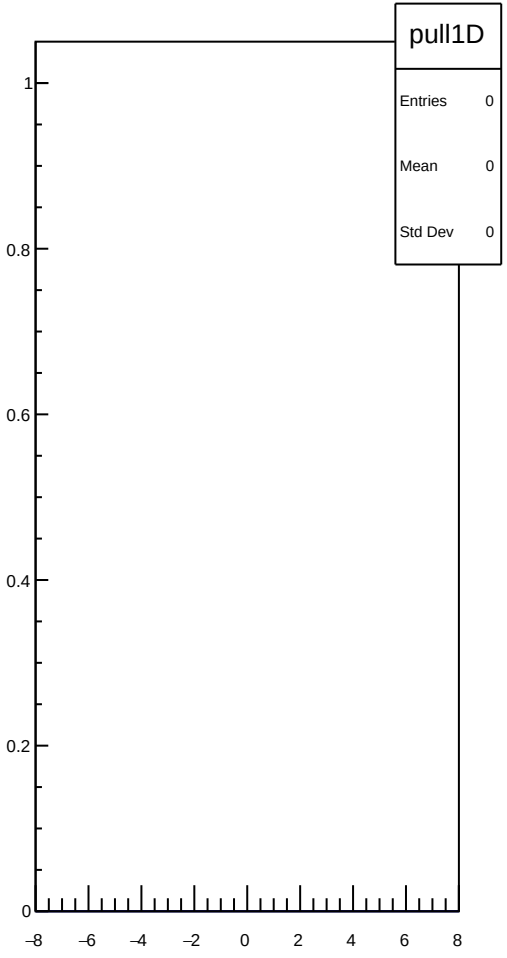

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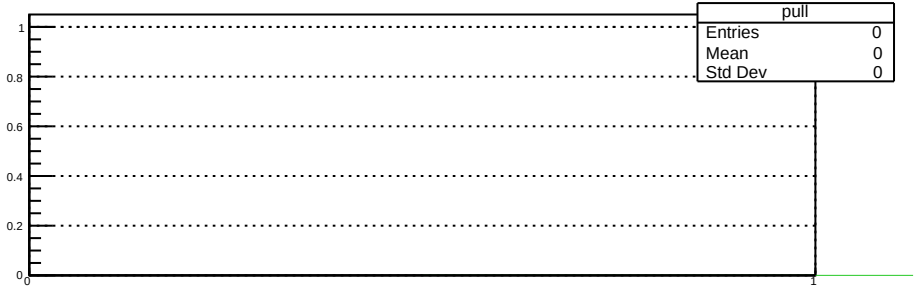

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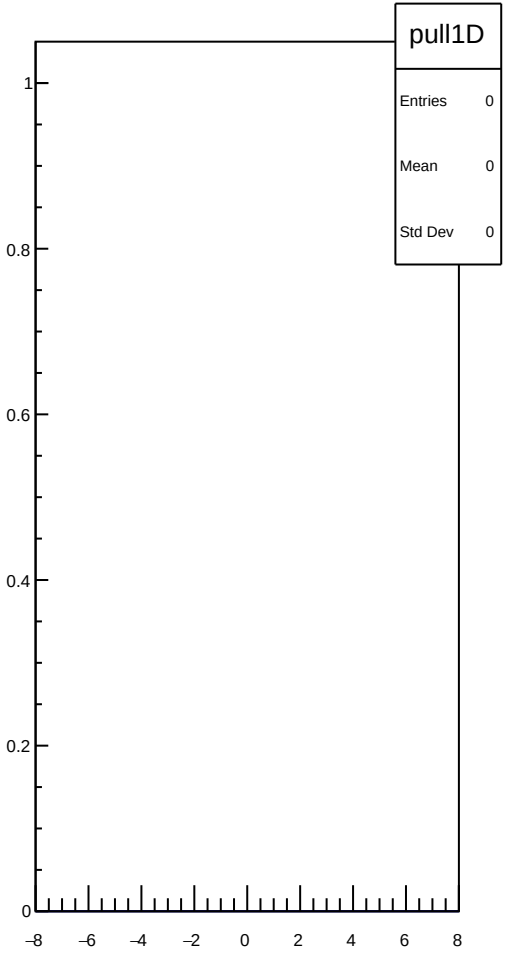

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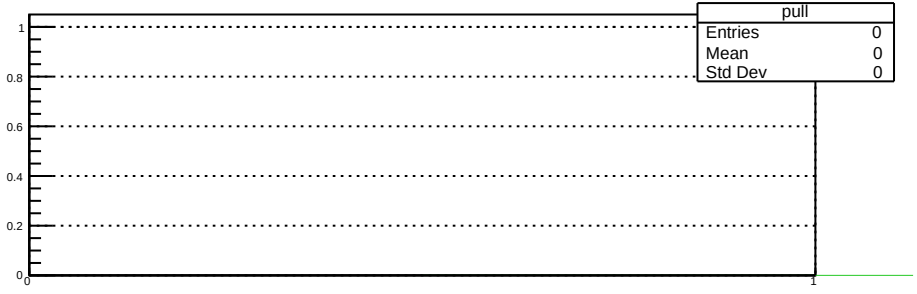

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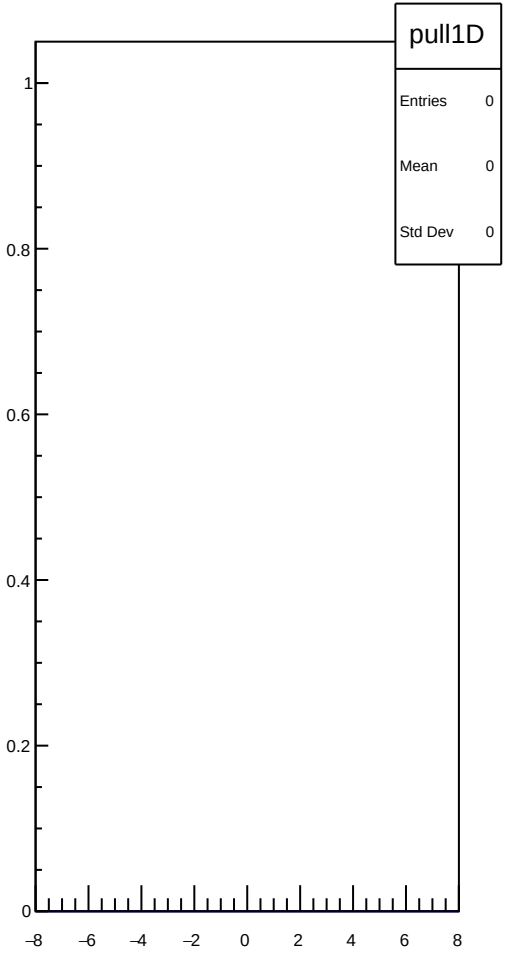

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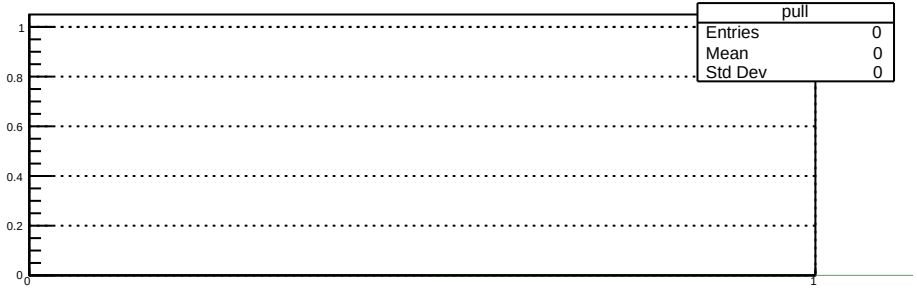

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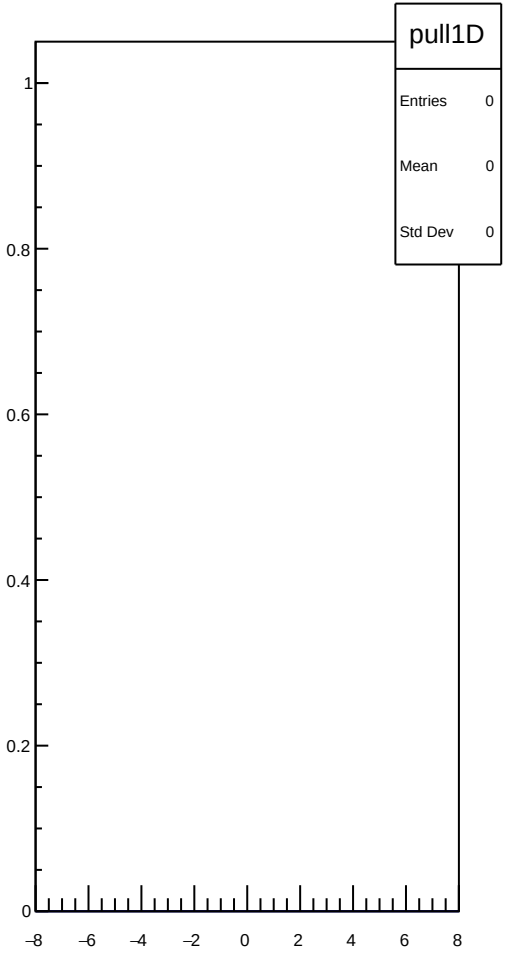

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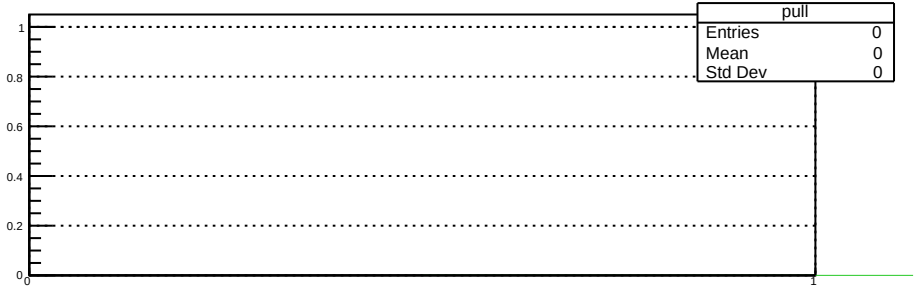

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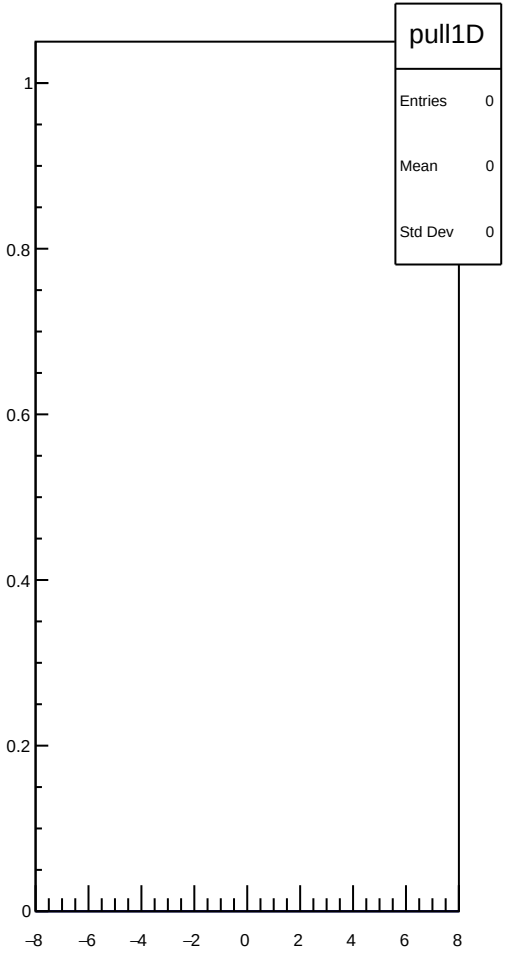

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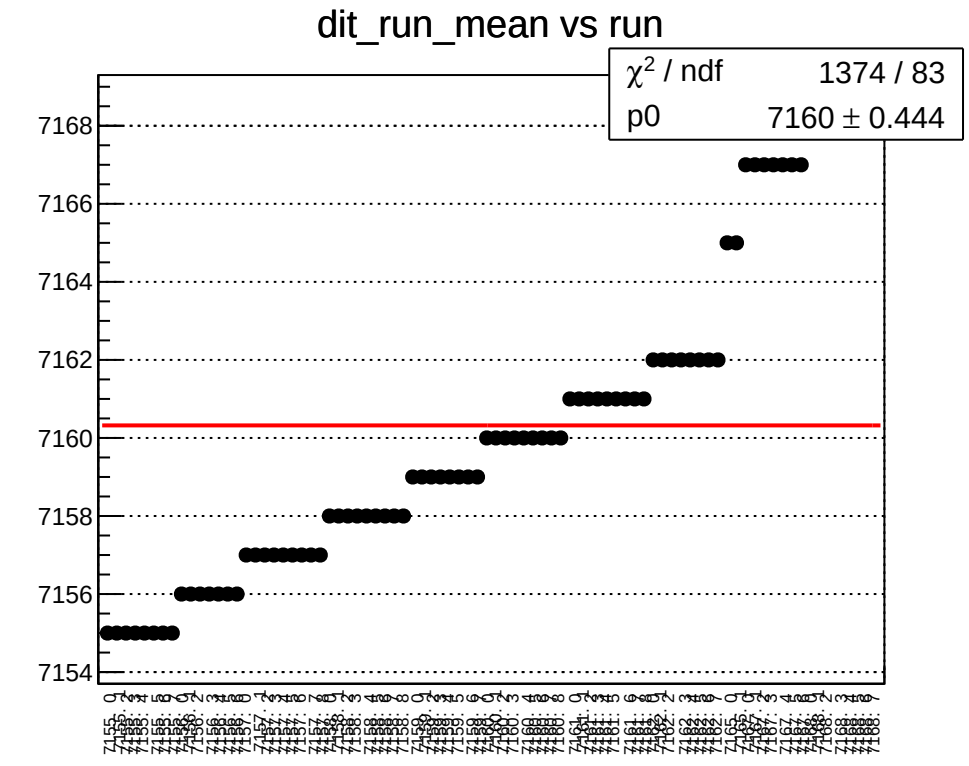

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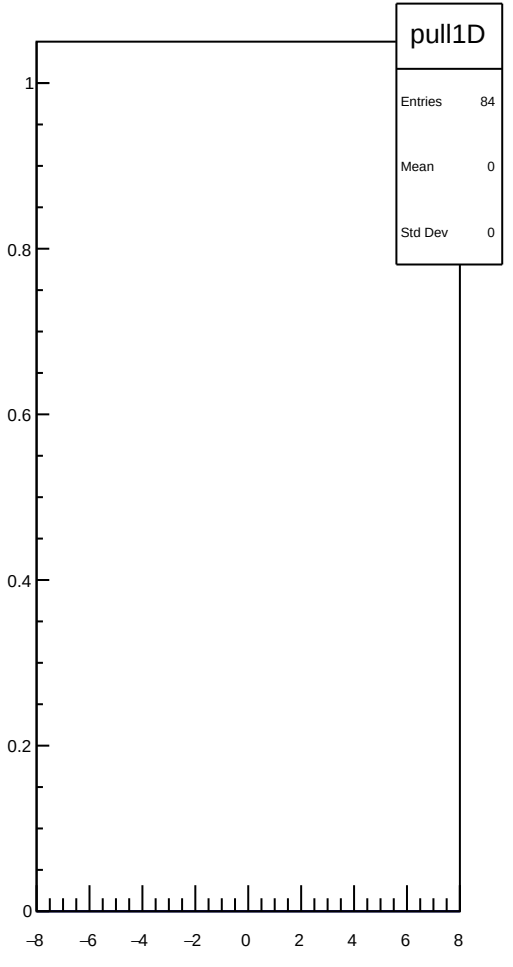

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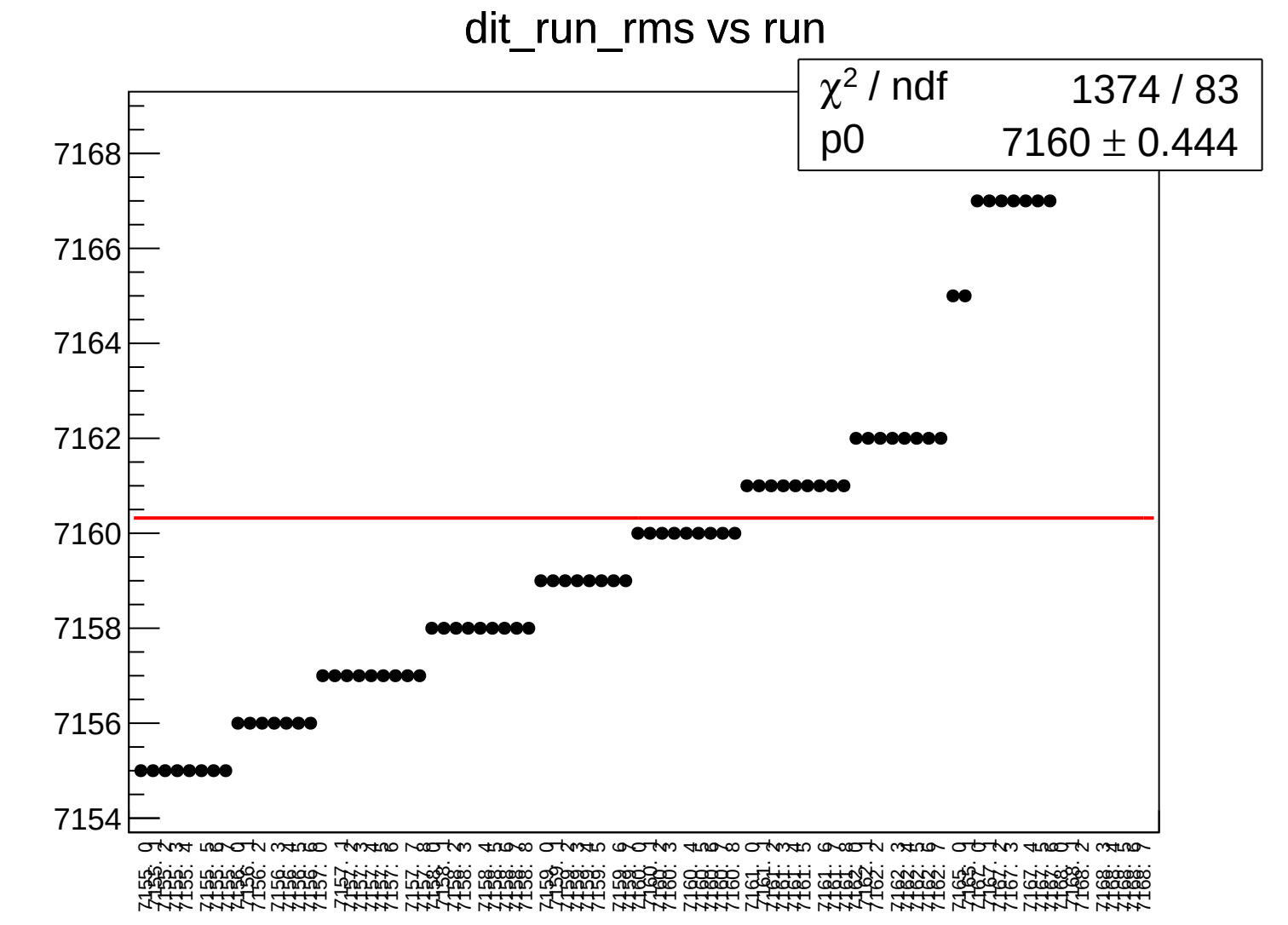

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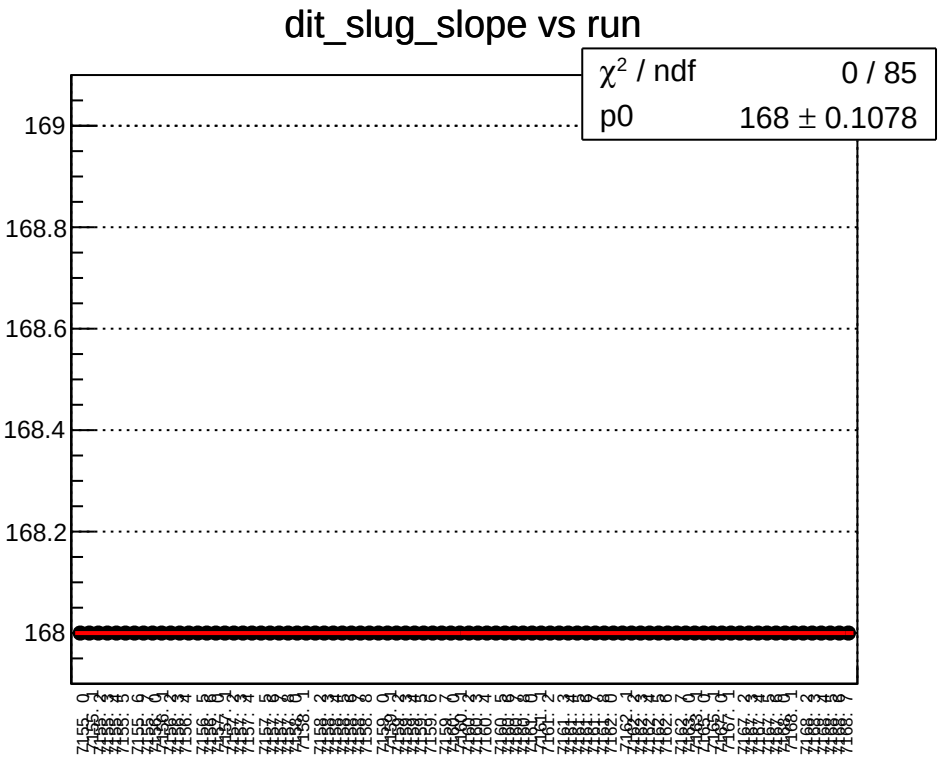

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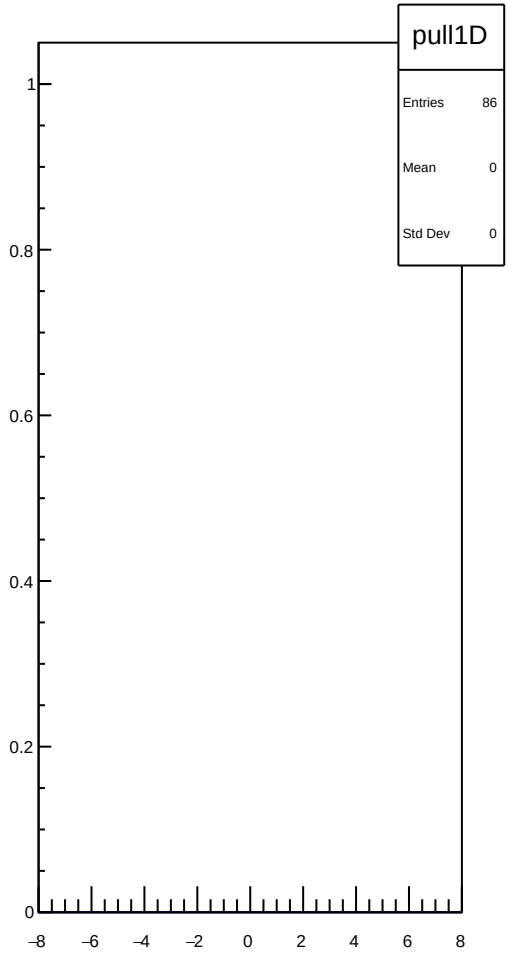

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

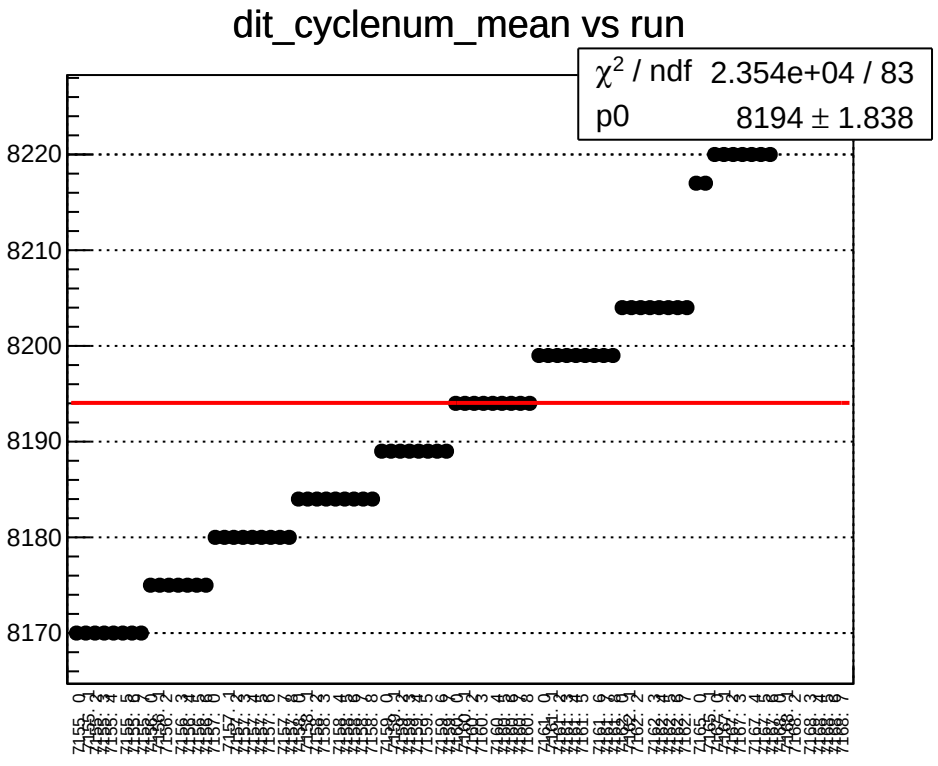

dit_run_mean vs run
χ^2 / ndf 1374 / 83
p0 7160 ± 0.444
7168
7166
7164
7162
7160
7158
7156
7154

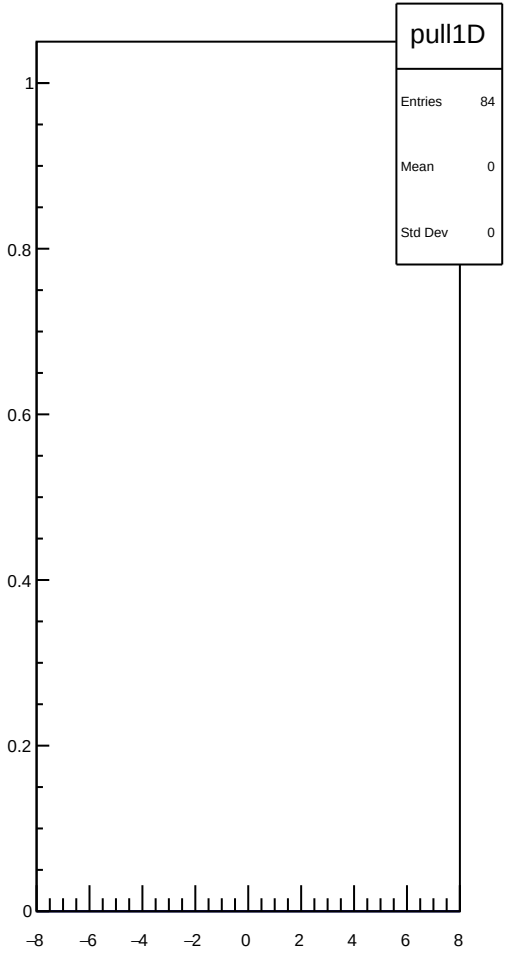

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

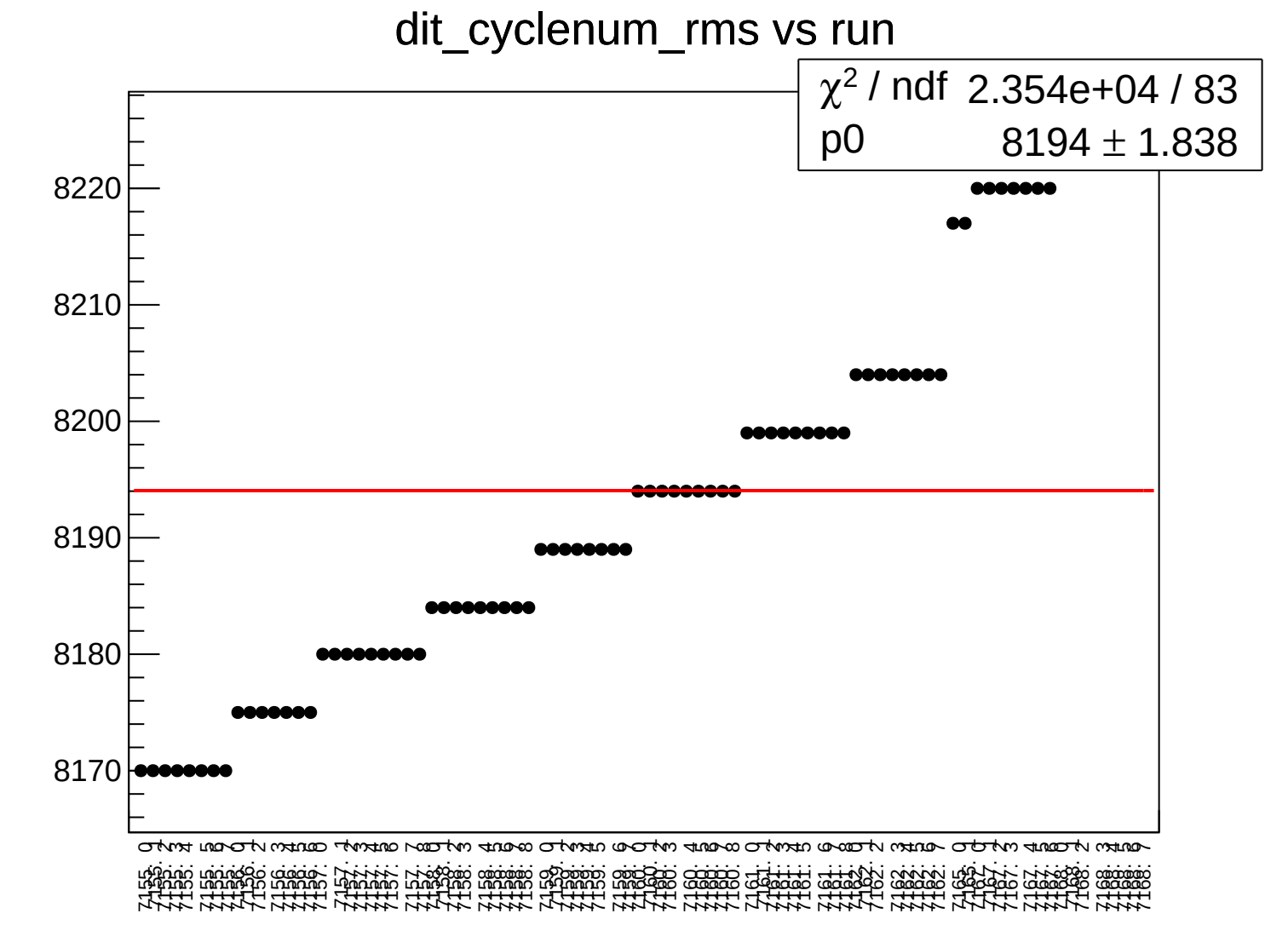

dit_run_rms vs run
χ^2 / ndf 1374 / 83
p0 7160 ± 0.444
7168
7166
7164
7162
7160
7158
7156
7154

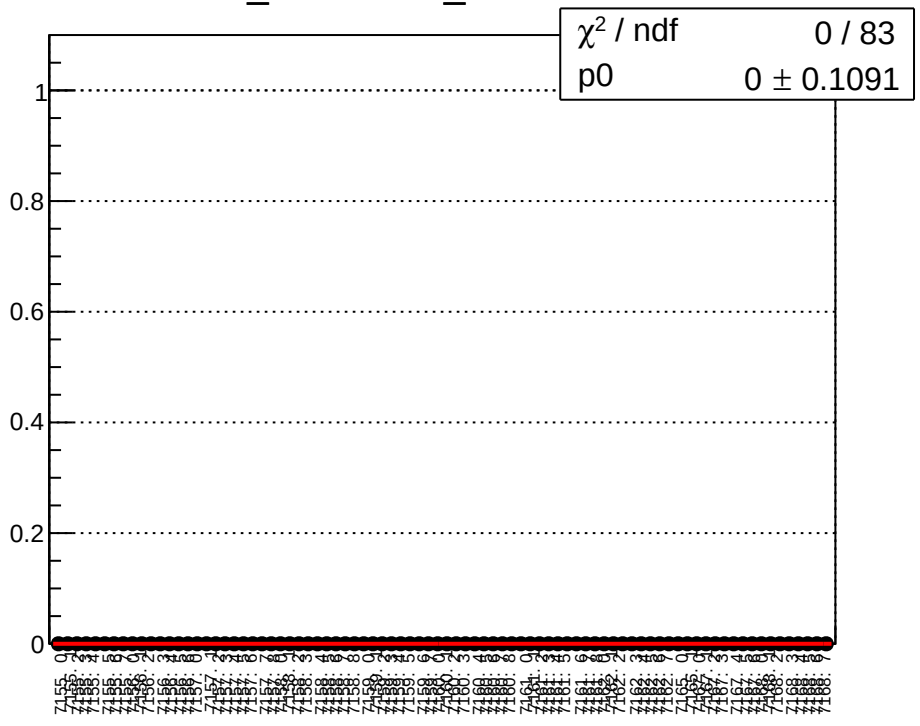

dit_slug_slope vs run
χ^2 / ndf 0 / 85
p0 168 ± 0.1078
169
168.8
168.6
168.4
168.2
168

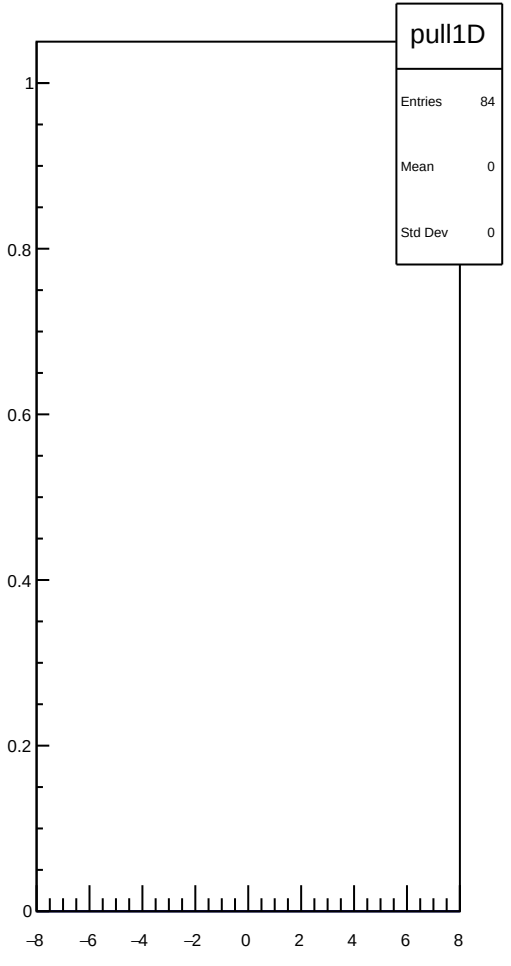

pull1D
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

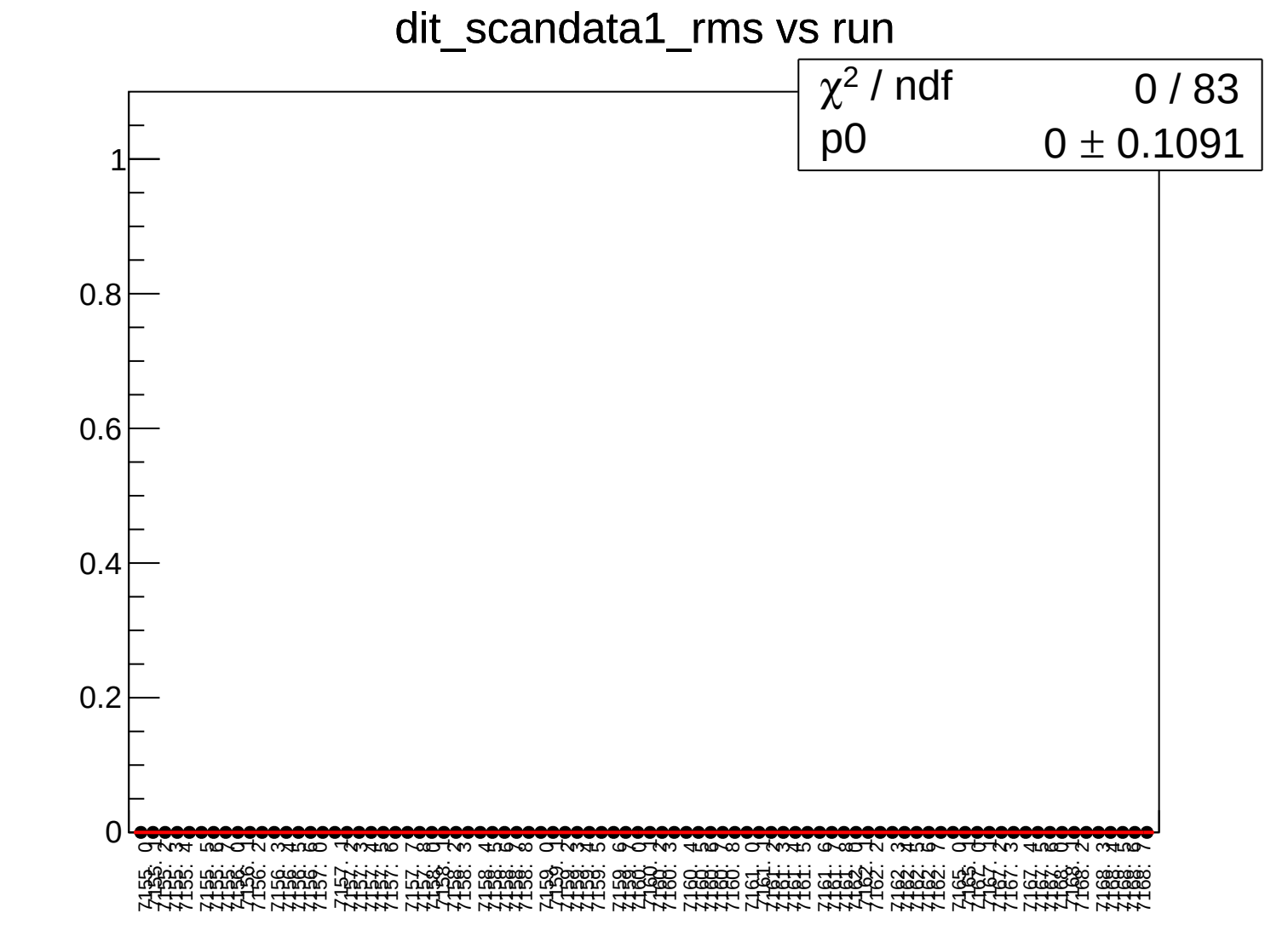

dit_cyclenum_mean vs run
χ^2 / ndf 2.354e+04 / 83
p0 8194 ± 1.838
8220
8210
8200
8190
8180
8170

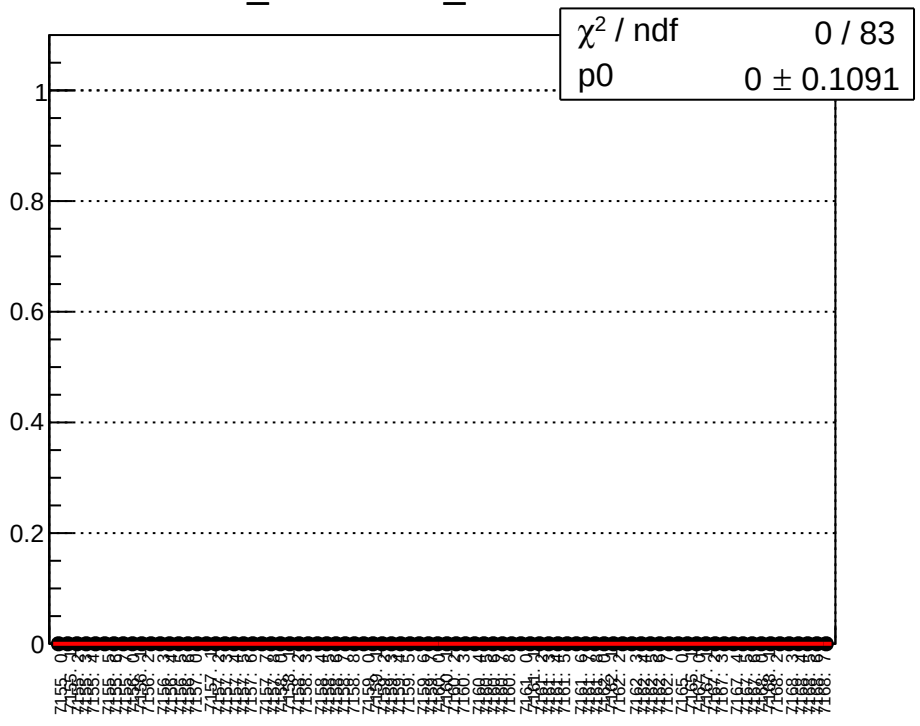

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

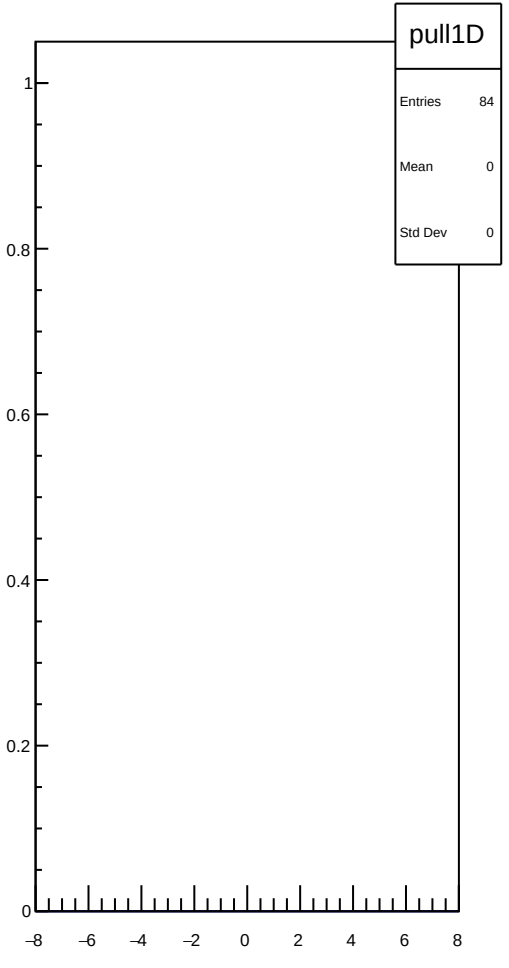

dit_cyclenum_rms vs run
χ² / ndf 2.354e+04 / 83
p0 8194 ± 1.838
8220
8210
8200
8190
8180
8170

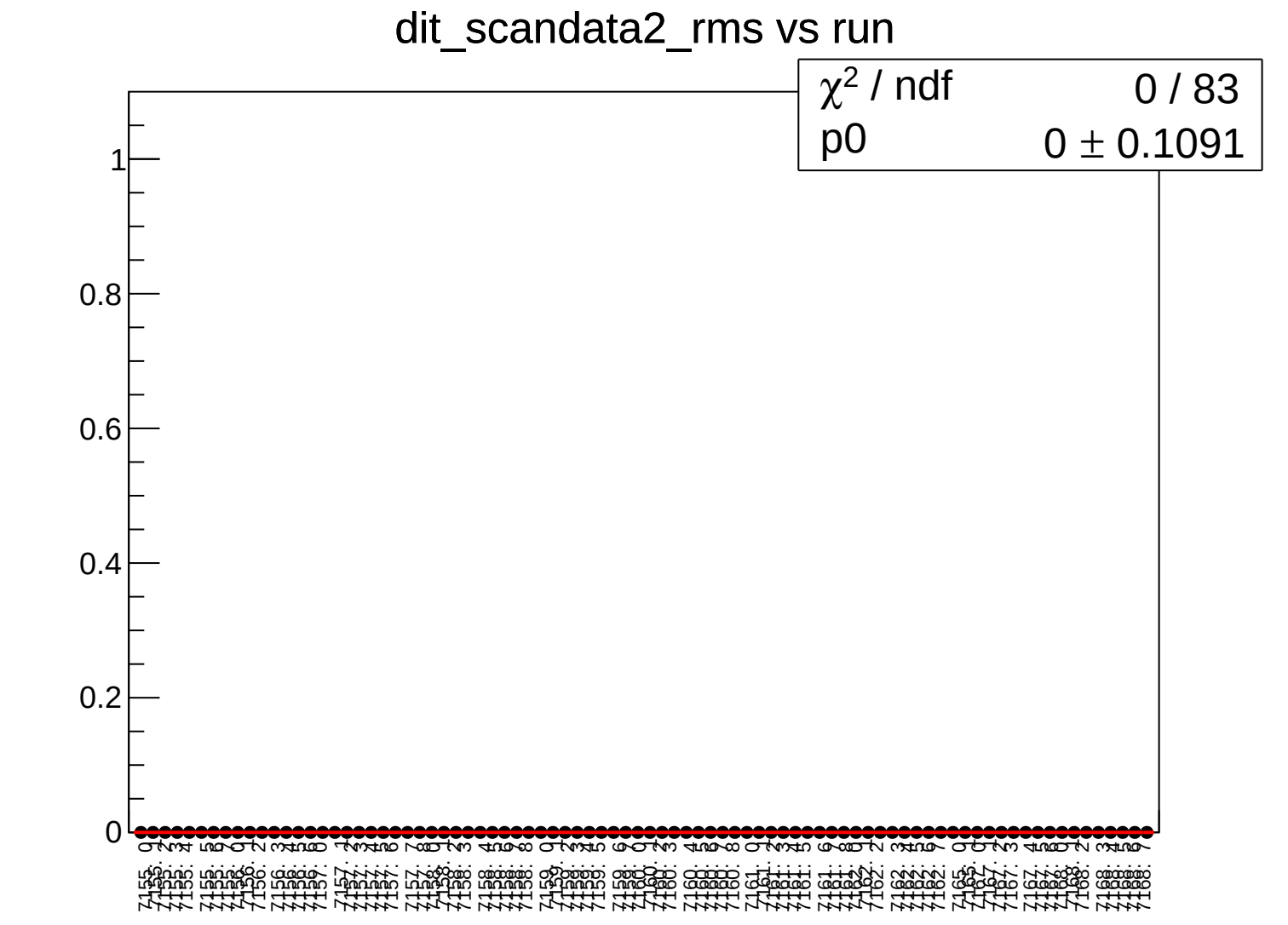

dit_scandata1_mean vs run
χ^2 / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

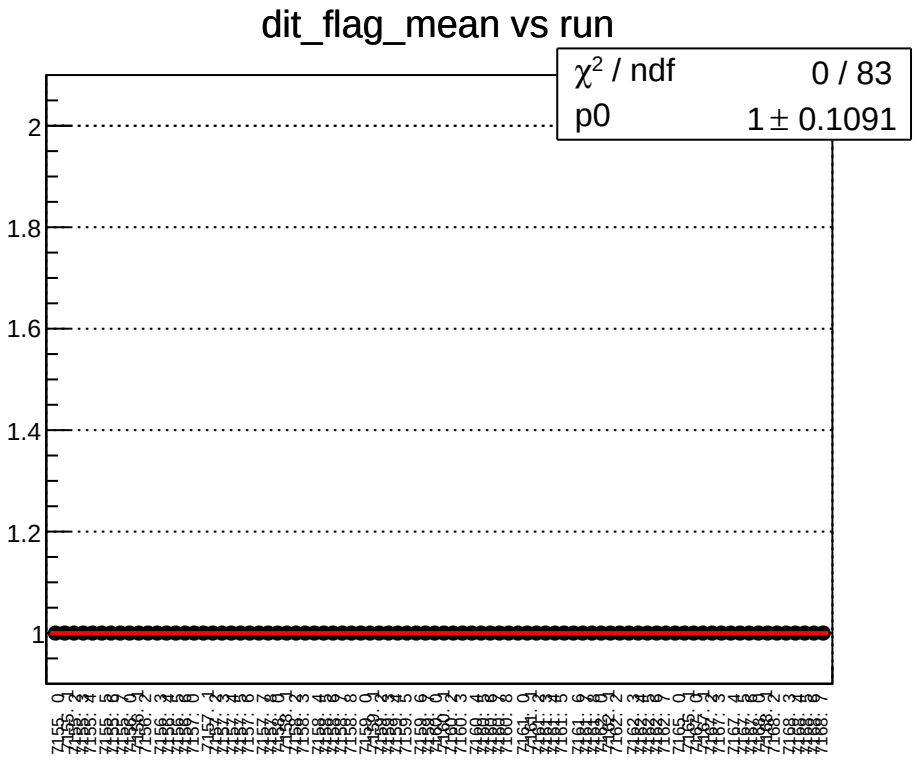

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

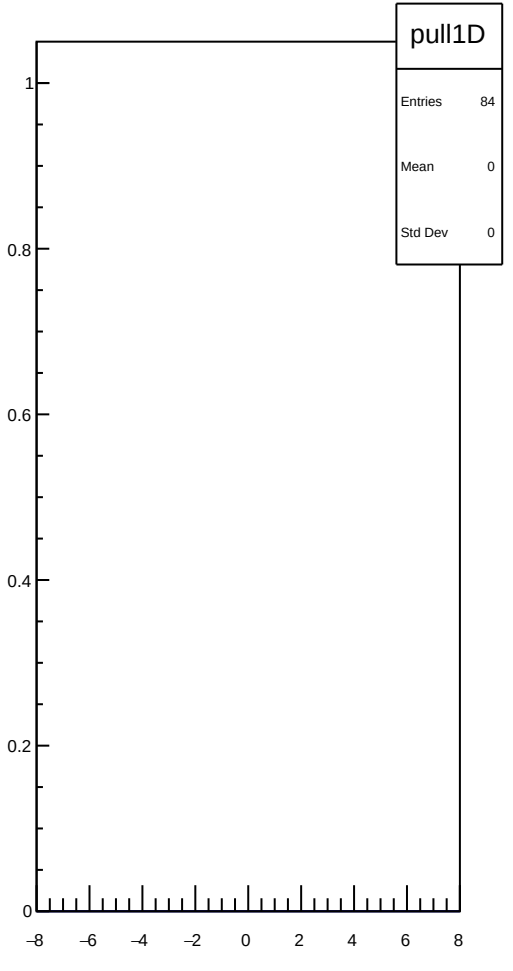

dit_scandata1_rms vs run
χ² / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

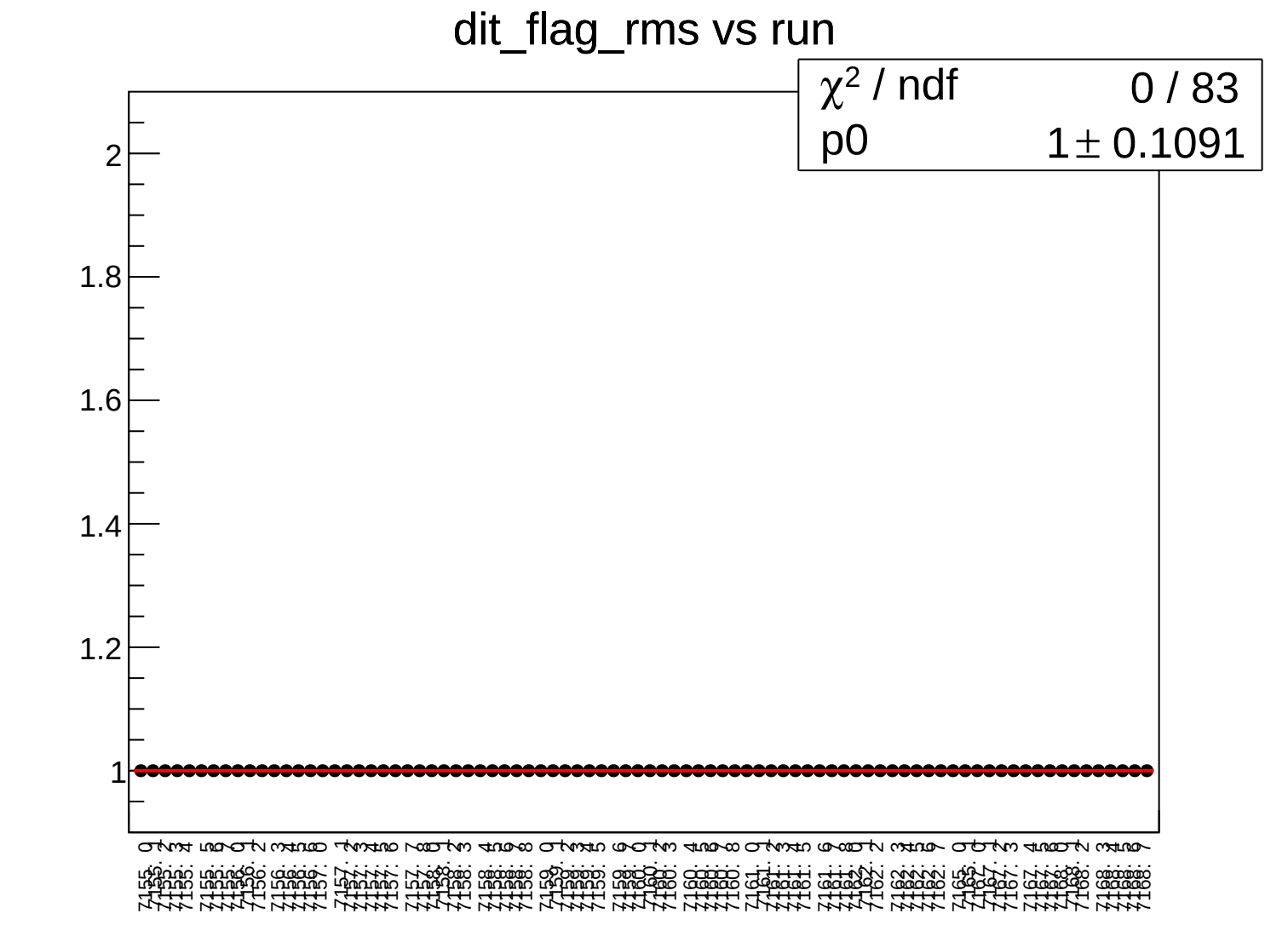

dit_scandata2_mean vs run
χ² / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

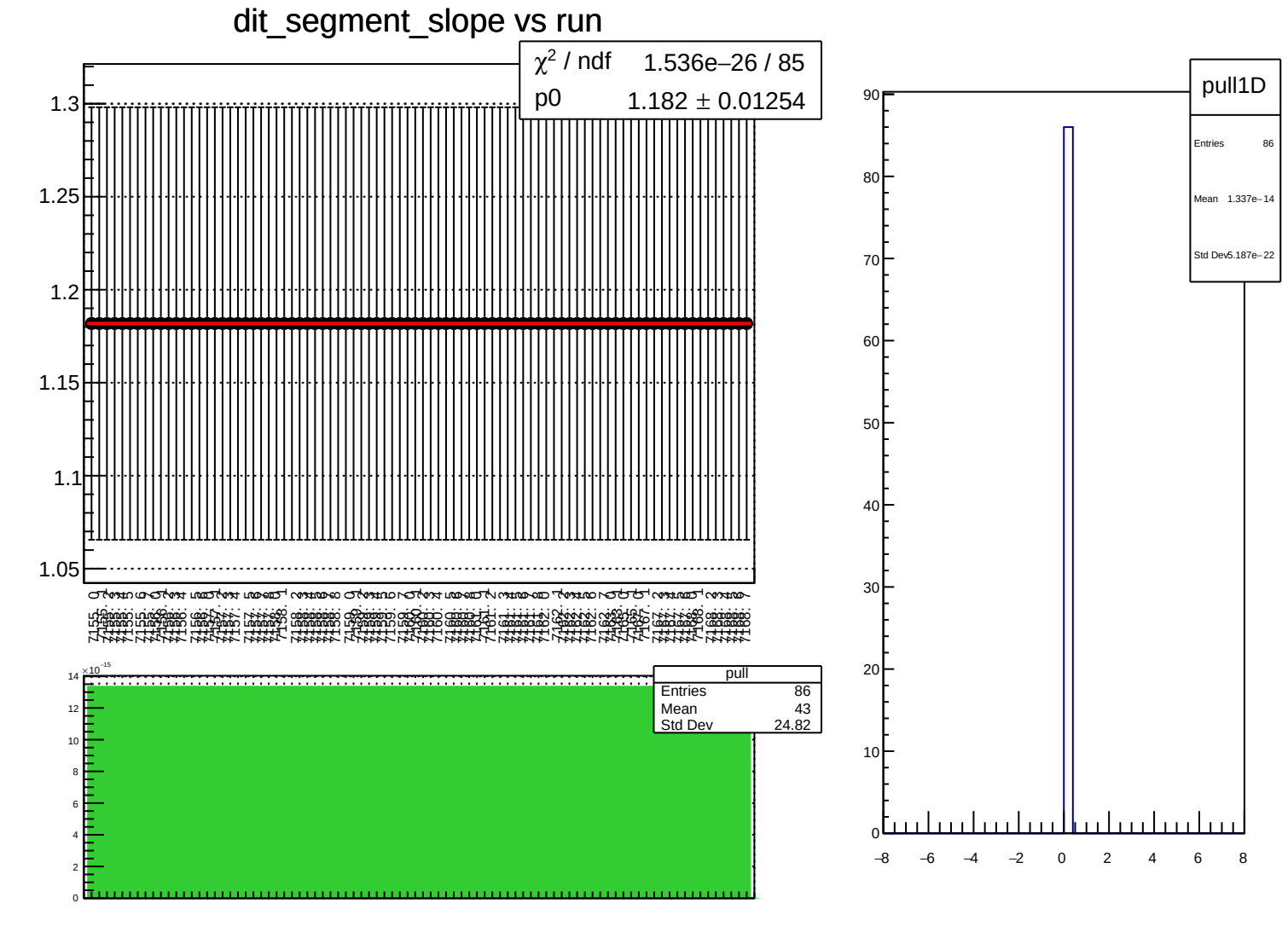

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

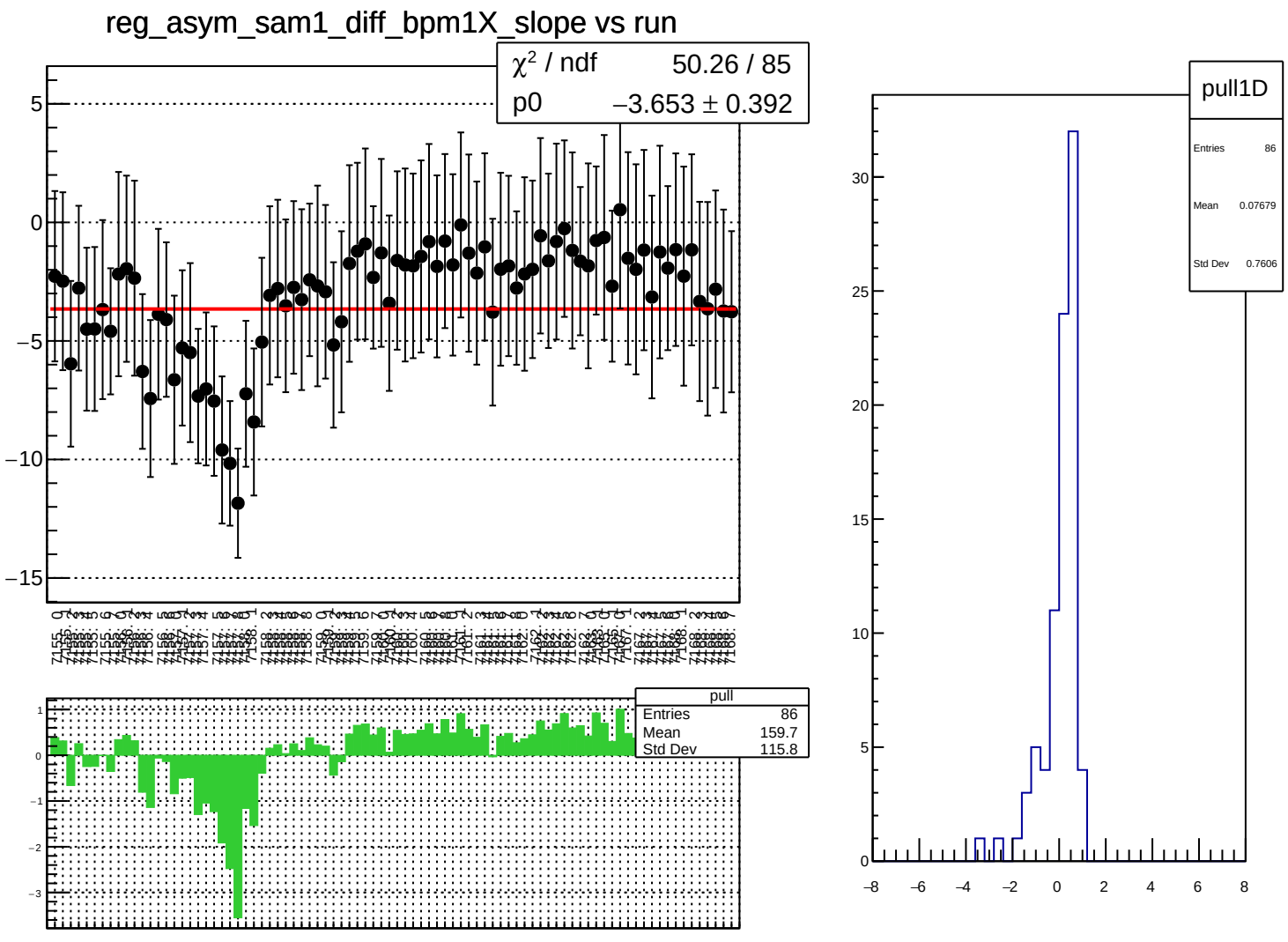

dit_scandata2_rms vs run
χ² / ndf 0 / 83
p0 0 ± 0.1091
1
0.8
0.6
0.4
0.2
0

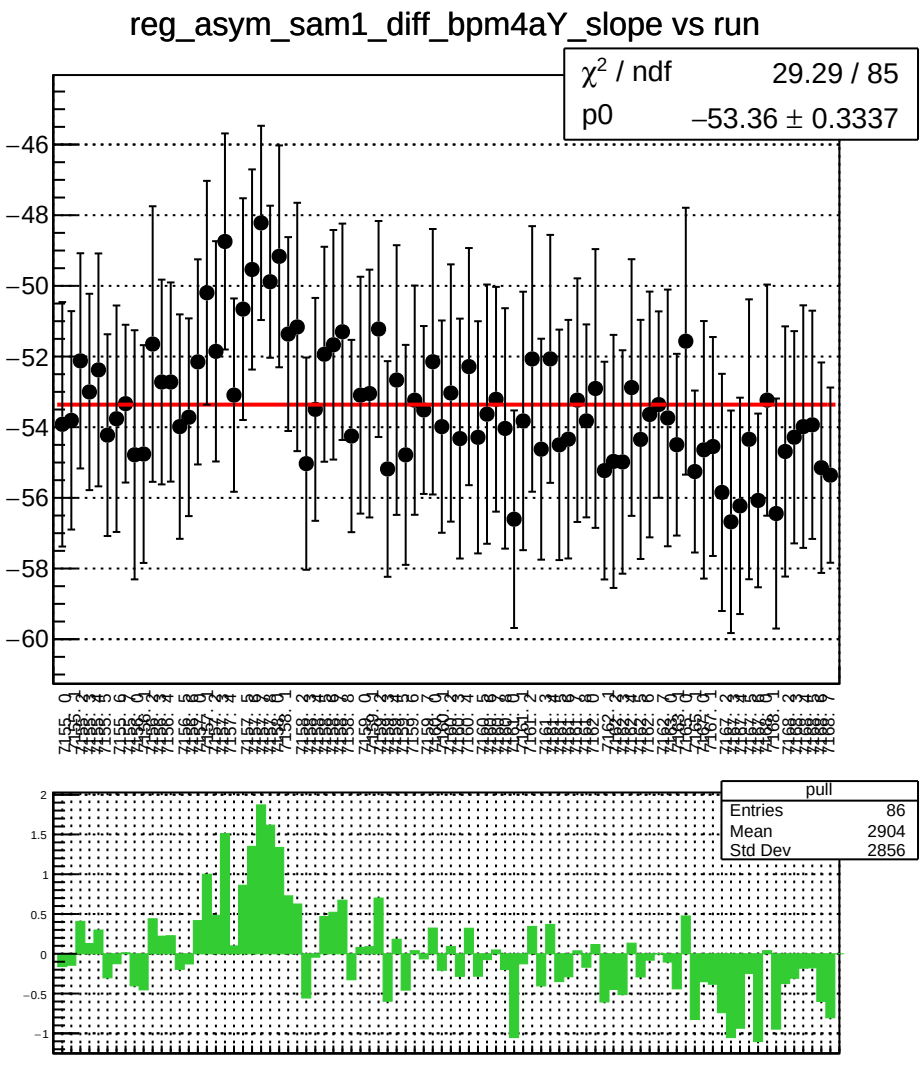

dit_flag_mean vs run
χ^2 / ndf 0 / 83
p0 1 ± 0.1091
2
1.8
1.6
1.4
1.2
1

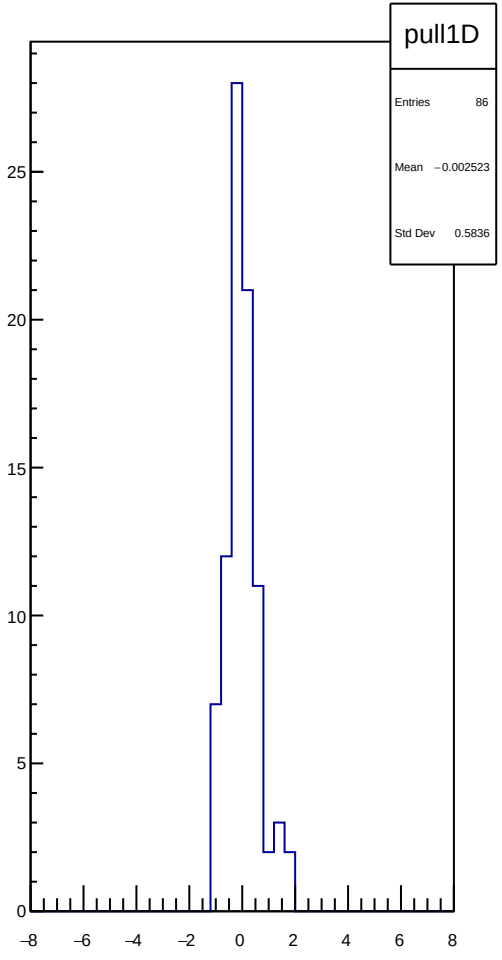

pull1D
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

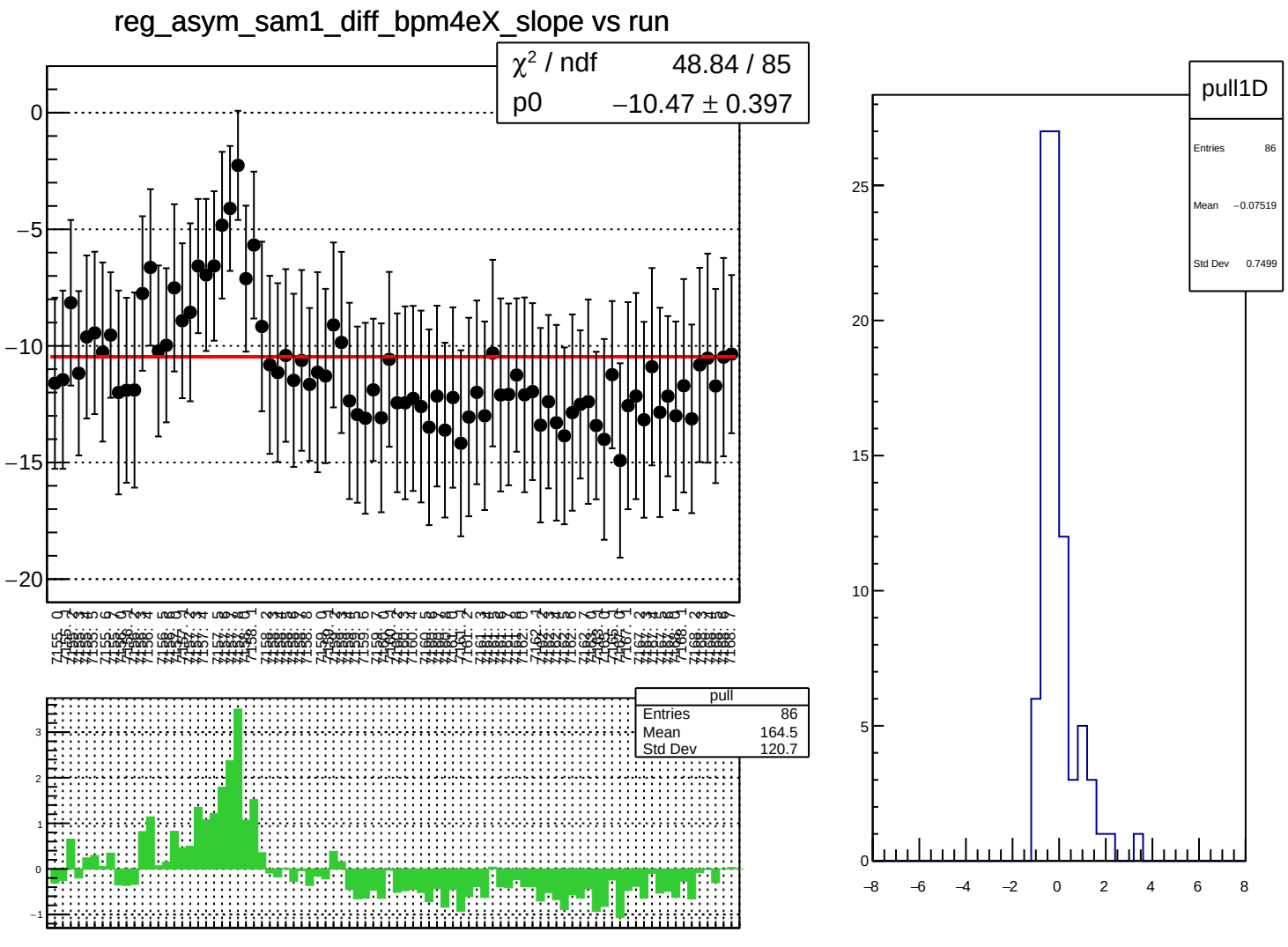

dit_flag_rms vs run
χ² / ndf 0 / 83
p0 1 ± 0.1091
2
1.8
1.6
1.4
1.2
1

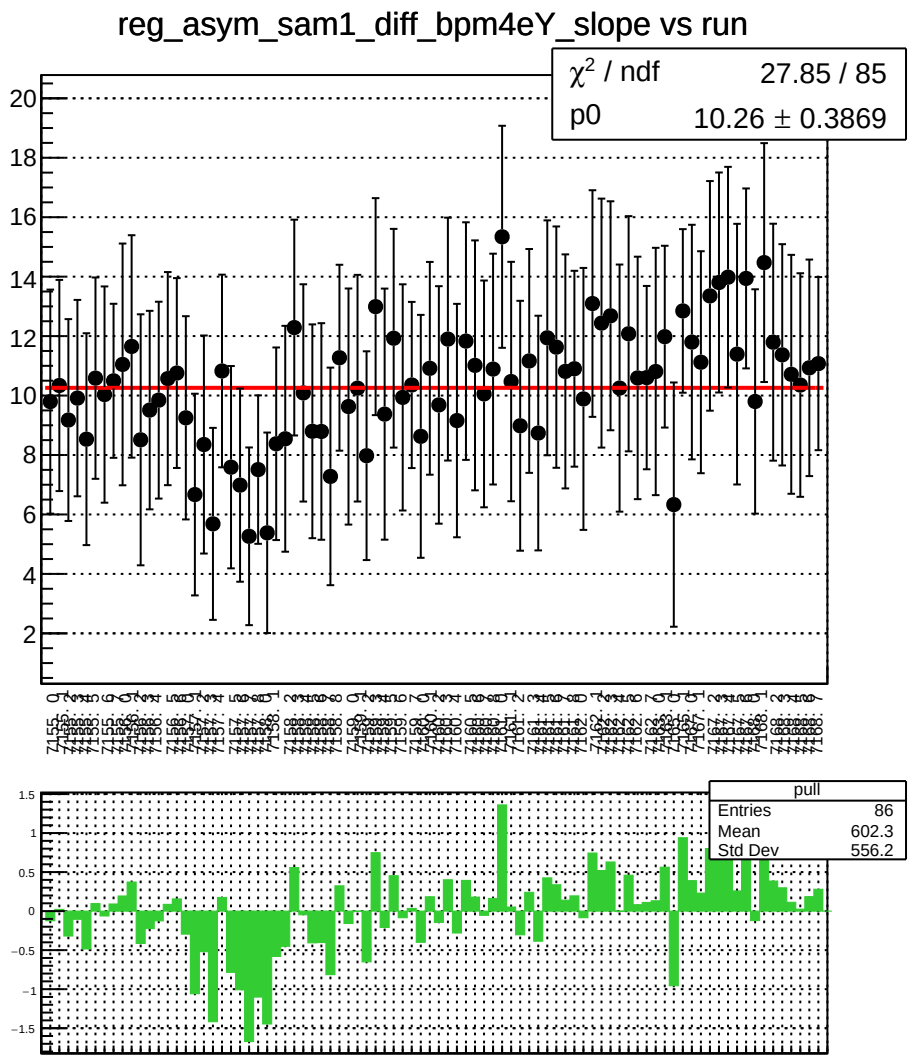

dit_segment_slope vs run
χ² / ndf 1.536e−26 / 85
p0 1.182 ± 0.01254
1.3
1.25
1.2
1.15
1.1
1.05
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.337e−14
Std Dev 5.187e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

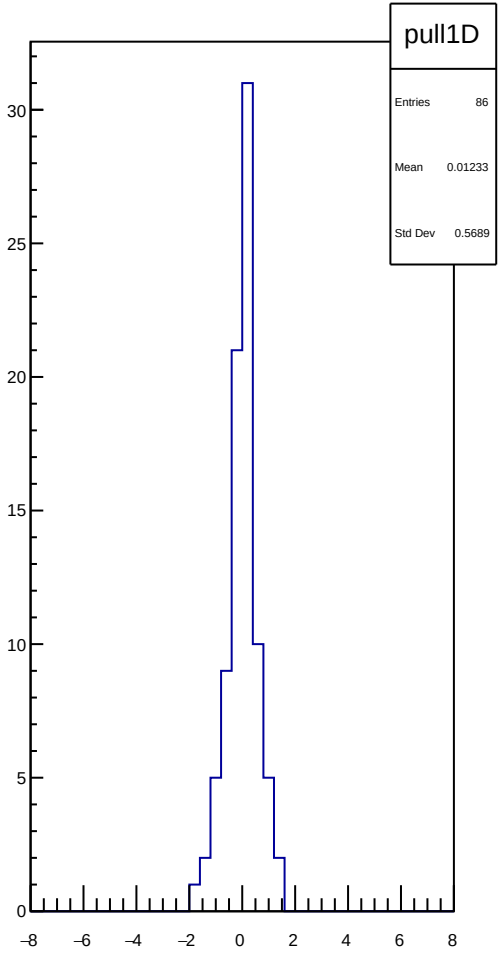

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 50.26 / 85
p0 −3.653 ± 0.392
pull
Entries 86
Mean 159.7
Std Dev 115.8
pull1D
Entries 86
Mean 0.07679
Std Dev 0.7606

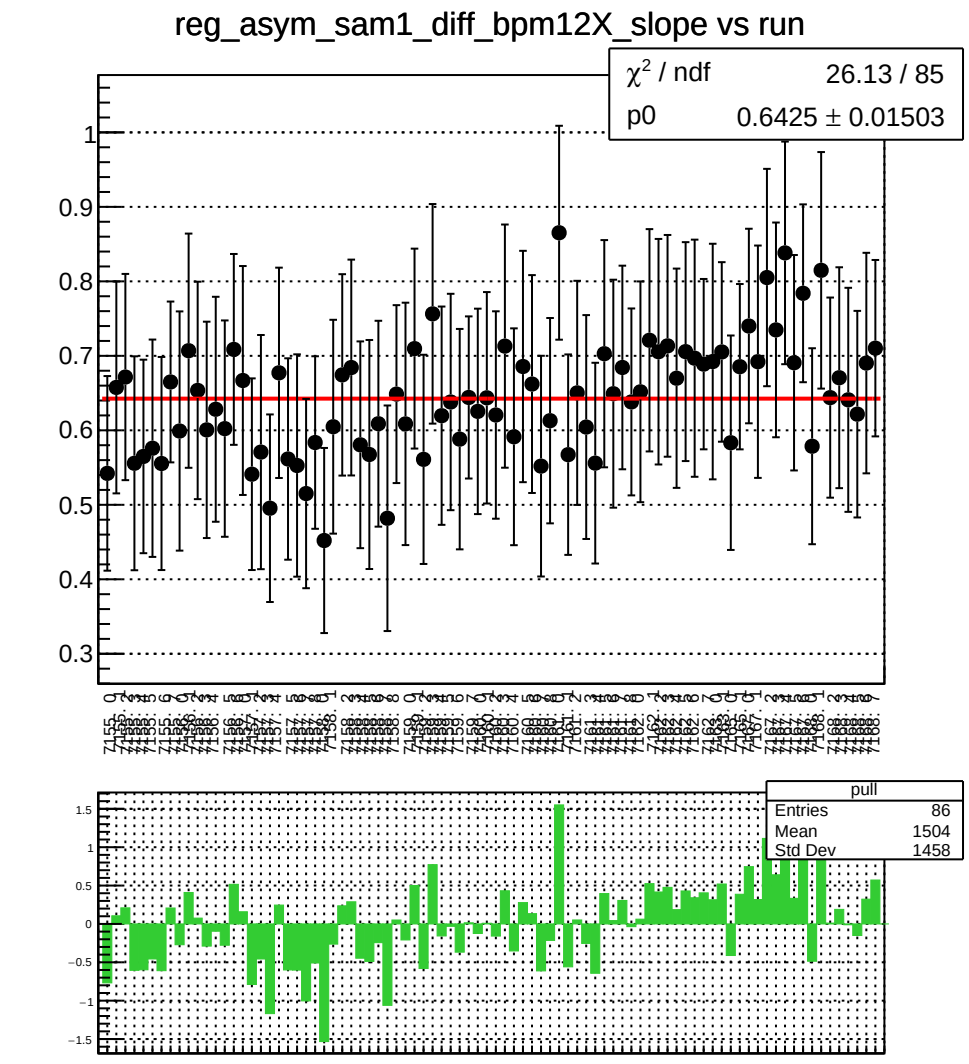

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 29.29 / 85
p0 −53.36 ± 0.3337
pull
Entries 86
Mean 2904
Std Dev 2856

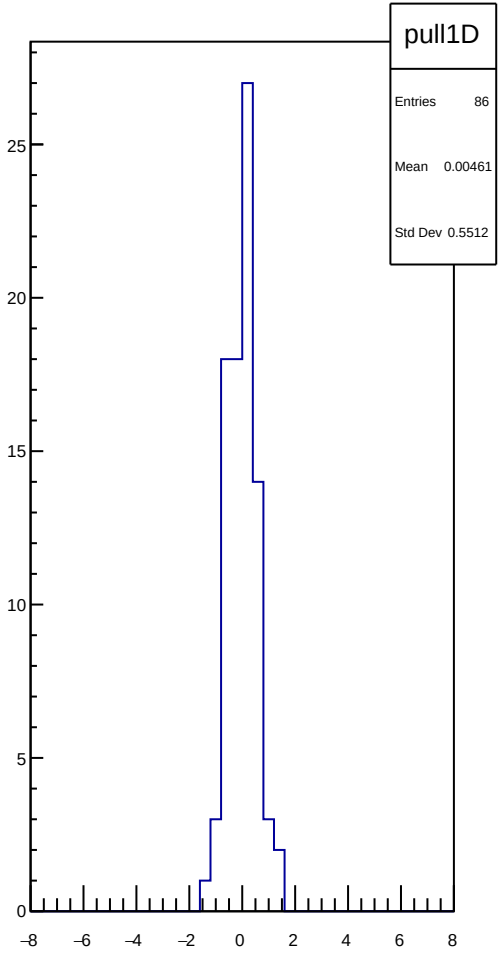

pull1D
Entries 86
Mean −0.002523
Std Dev 0.5836

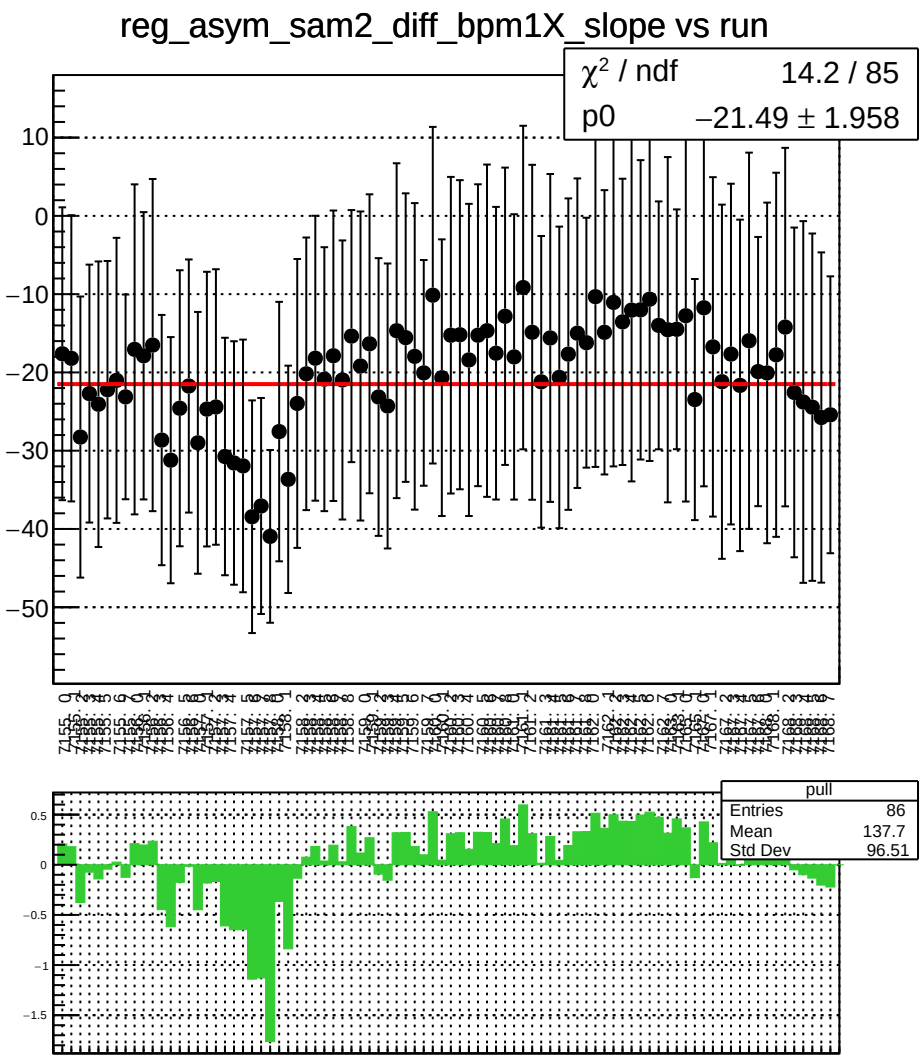

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 48.84 / 85
p0 −10.47 ± 0.397
pull
Entries 86
Mean 164.5
Std Dev 120.7
pull1D
Entries 86
Mean −0.07519
Std Dev 0.7499

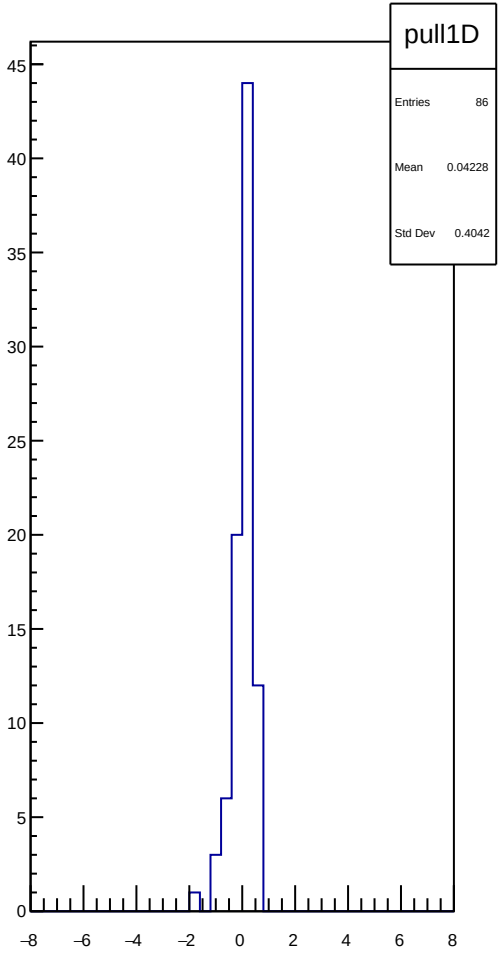

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 27.85 / 85
p0 10.26 ± 0.3869
pull
Entries 86
Mean 602.3
Std Dev 556.2

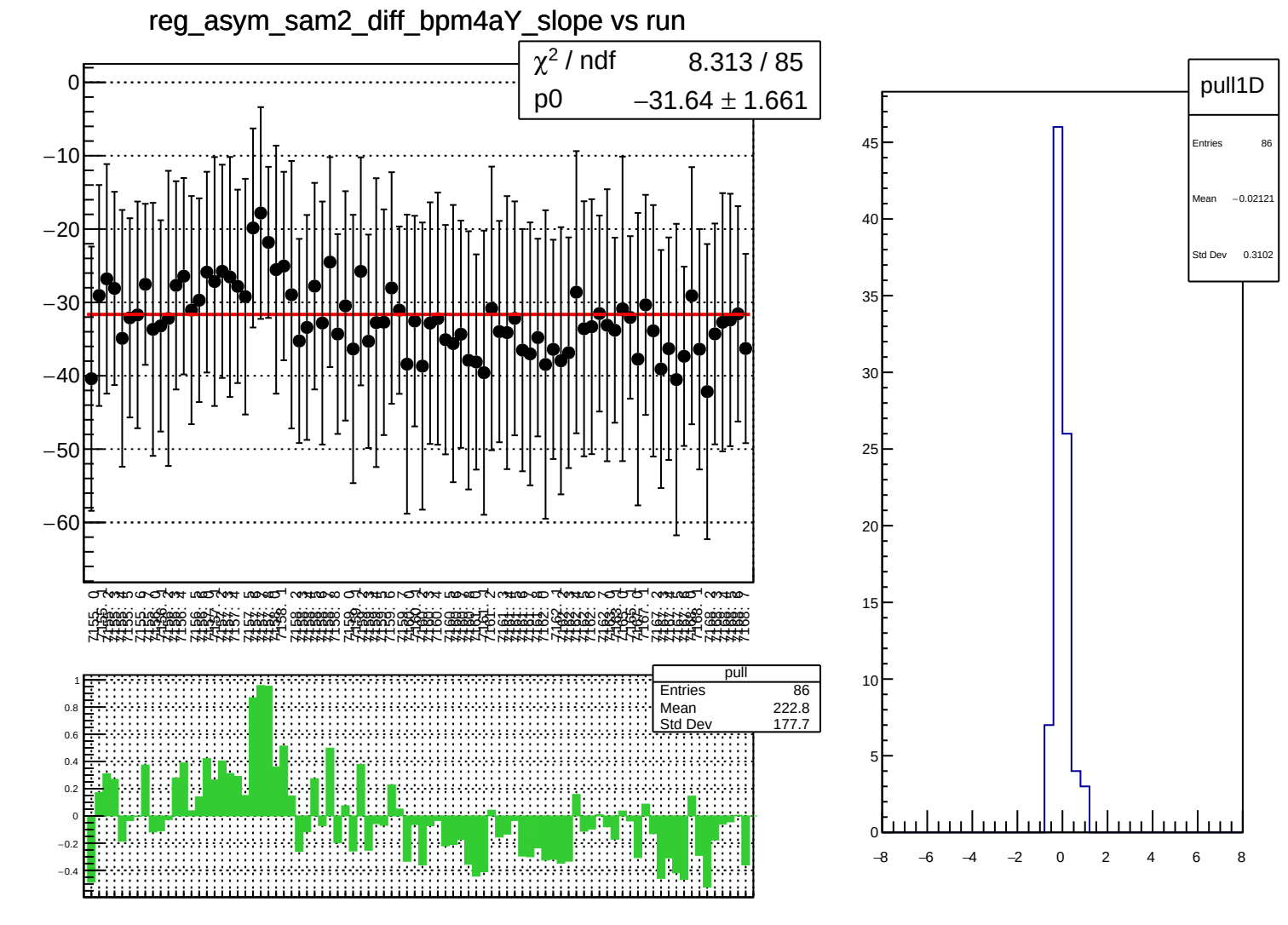

pull1D
Entries 86
Mean 0.01233
Std Dev 0.5689

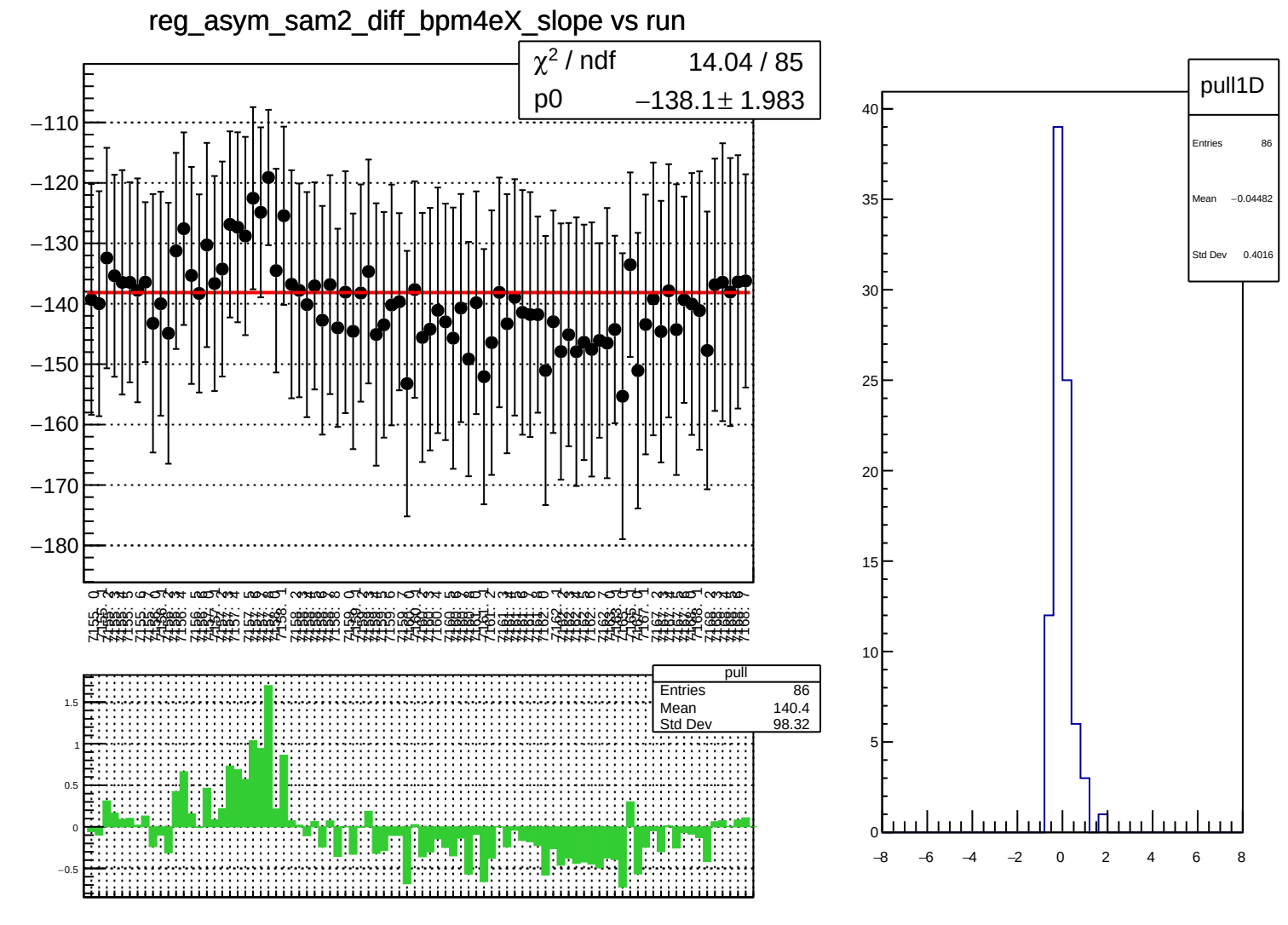

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 26.13 / 85
p0 0.6425 ± 0.01503
pull
Entries 86
Mean 1504
Std Dev 1458

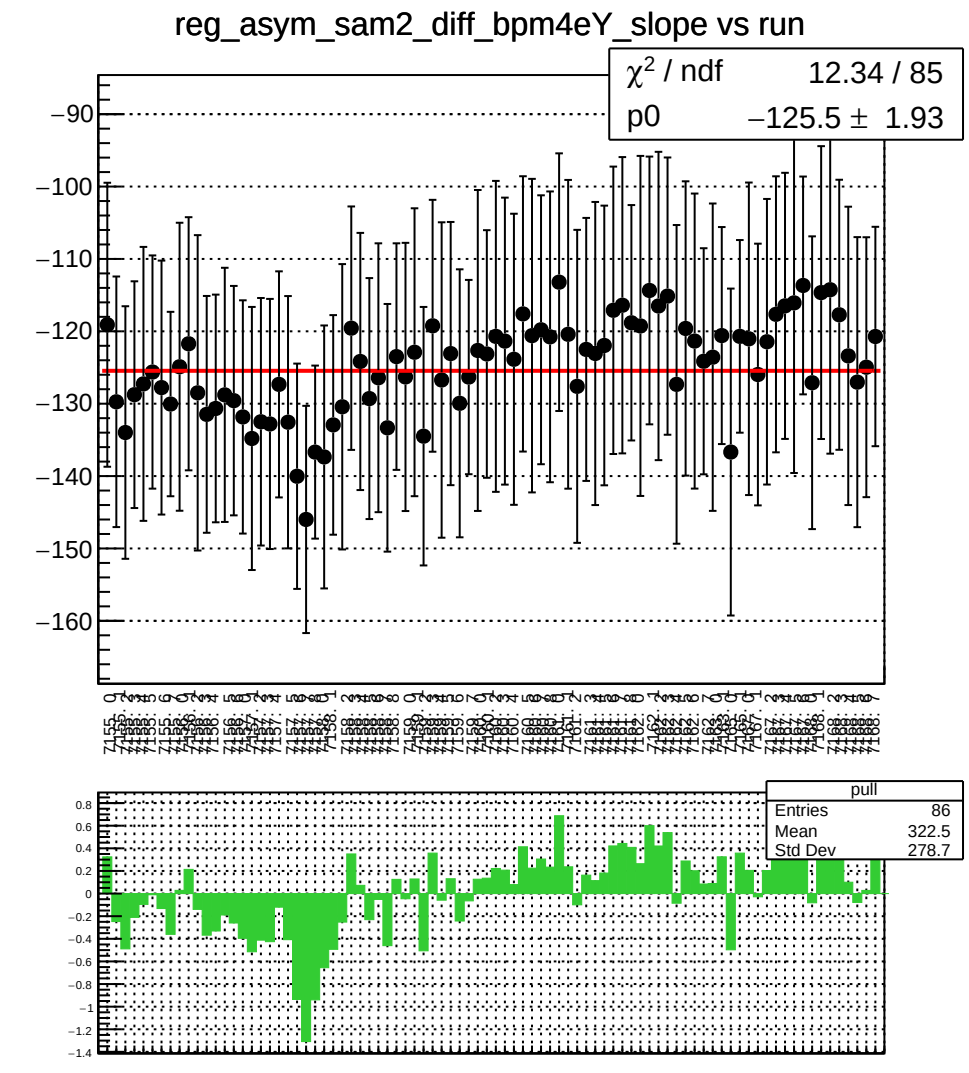

pull1D
Entries 86
Mean 0.00461
Std Dev 0.5512

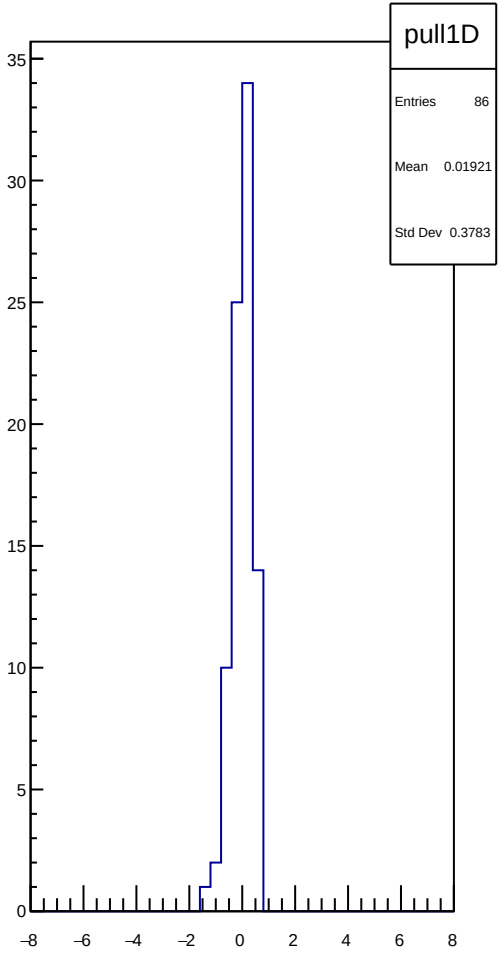

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 14.2 / 85
p0 −21.49 ± 1.958
pull
Entries 86
Mean 137.7
Std Dev 96.51

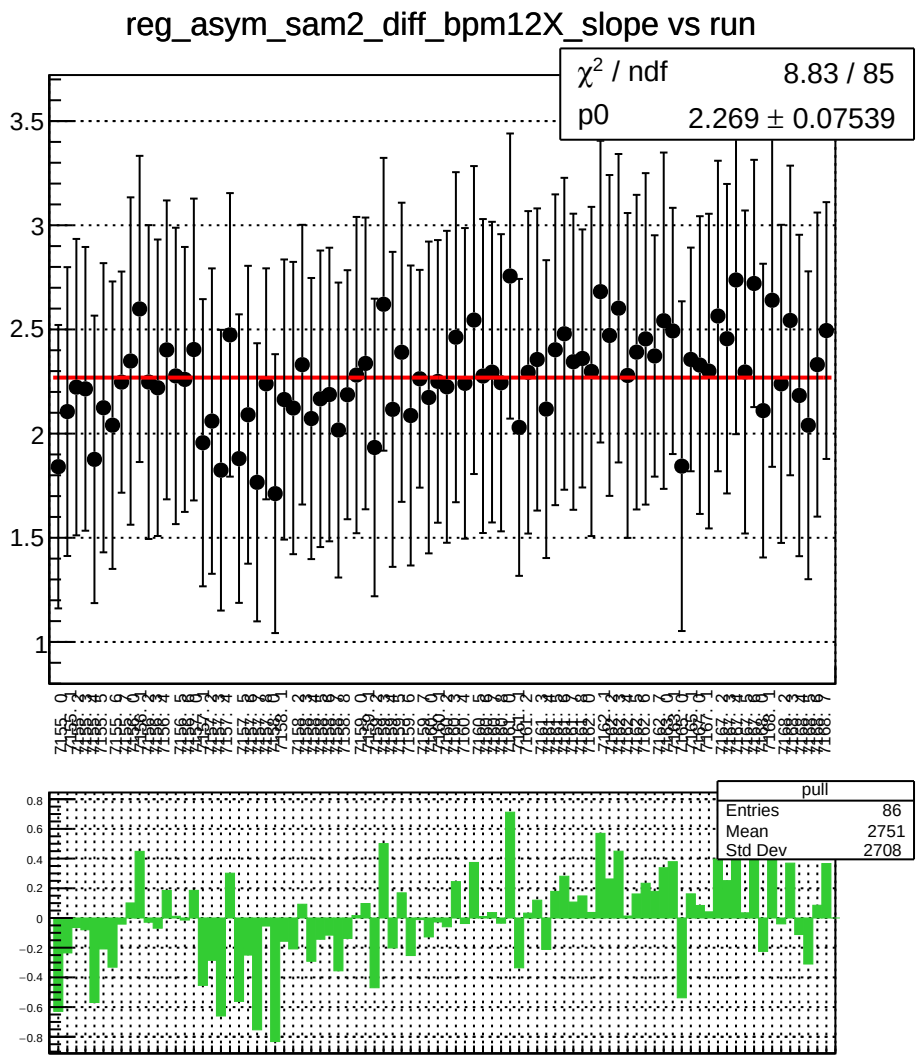

pull1D
Entries 86
Mean 0.04228
Std Dev 0.4042

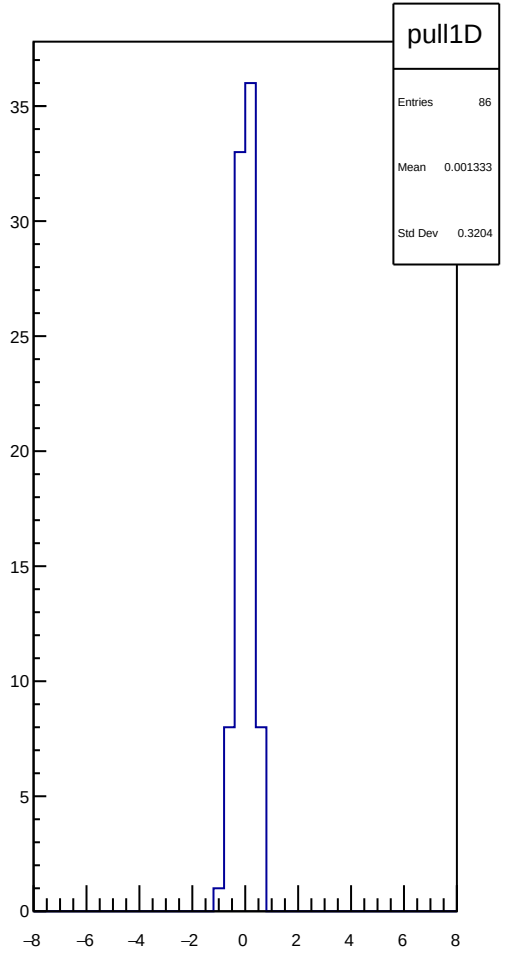

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 8.313 / 85
p0 −31.64 ± 1.661
pull
Entries 86
Mean 222.8
Std Dev 177.7
pull1D
Entries 86
Mean −0.02121
Std Dev 0.3102

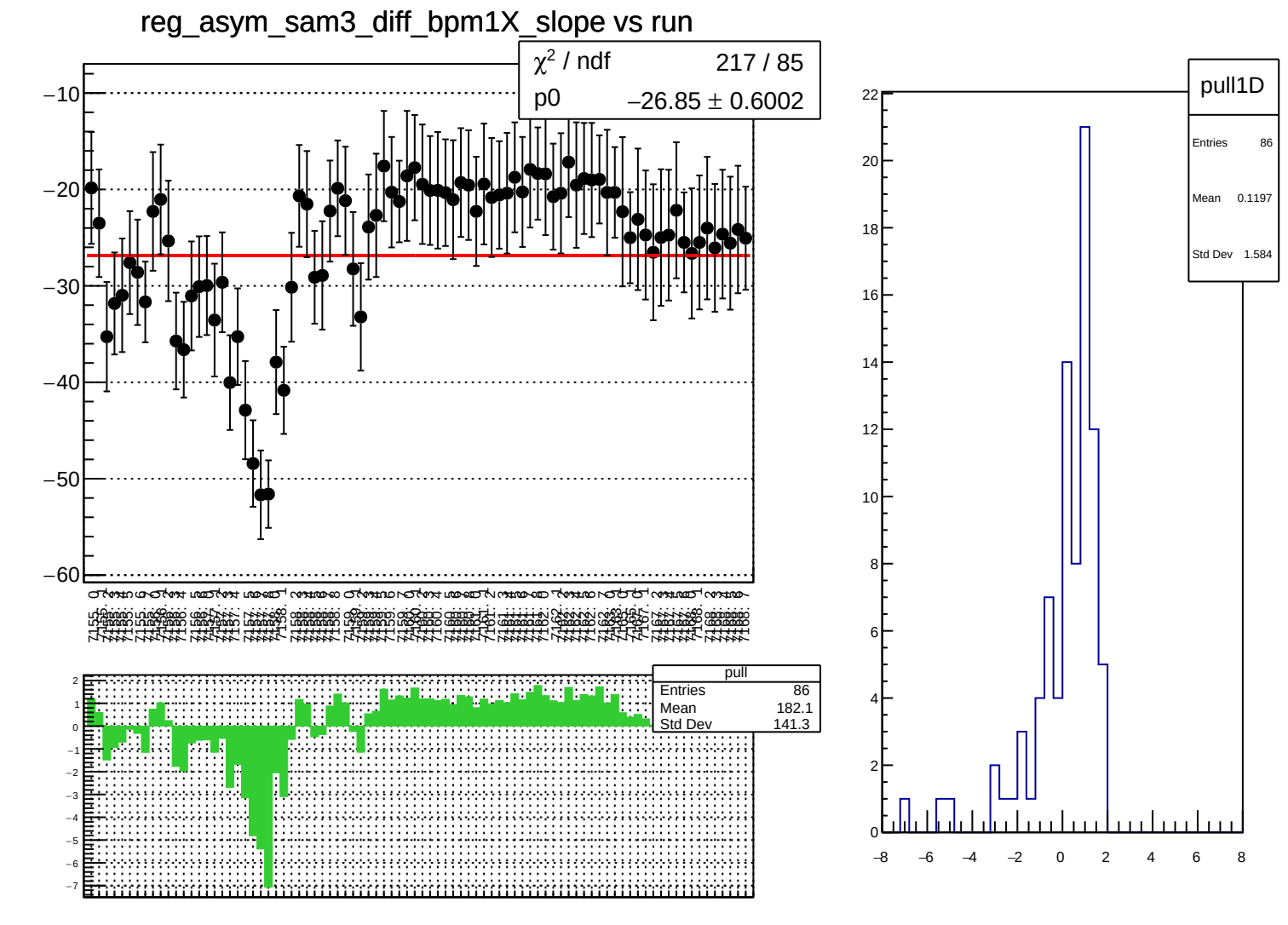

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 14.04 / 85
p0 −138.1± 1.983
pull
Entries 86
Mean 140.4
Std Dev 98.32
pull1D
Entries 86
Mean −0.04482
Std Dev 0.4016

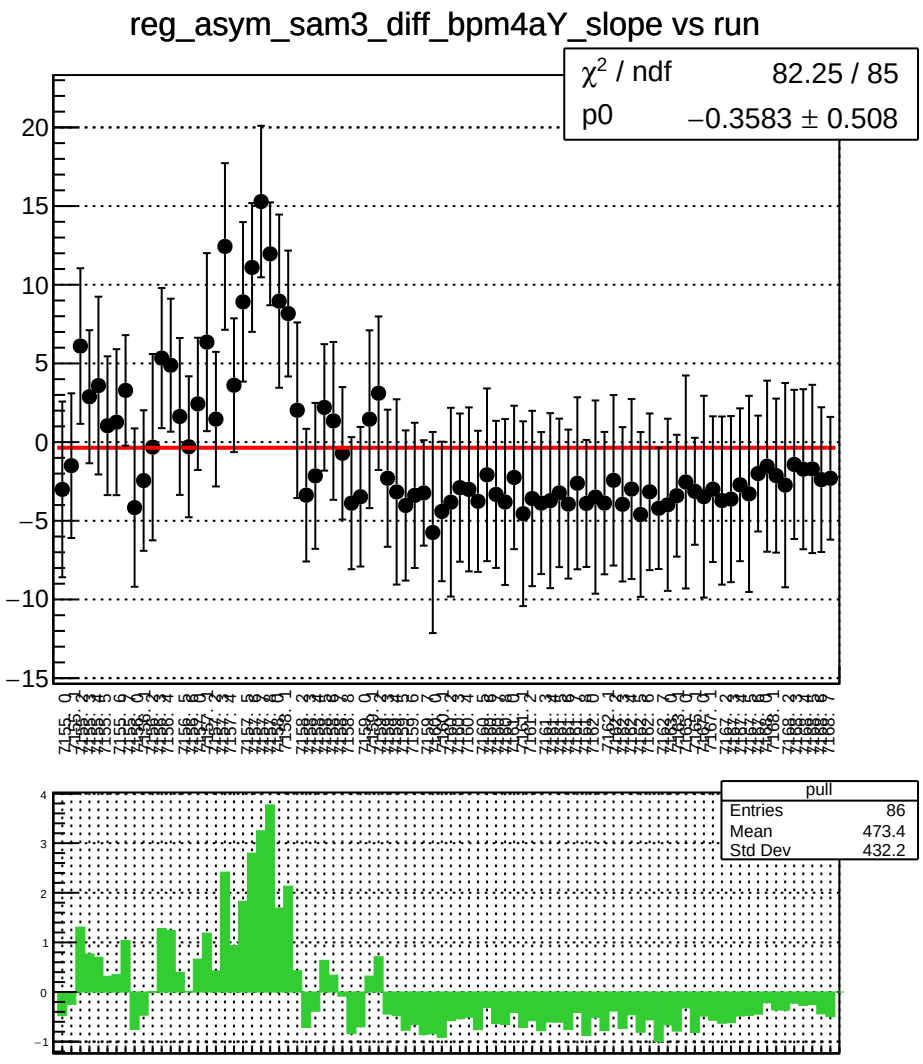

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 12.34 / 85
p0 −125.5 ± 1.93
pull
Entries 86
Mean 322.5
Std Dev 278.7

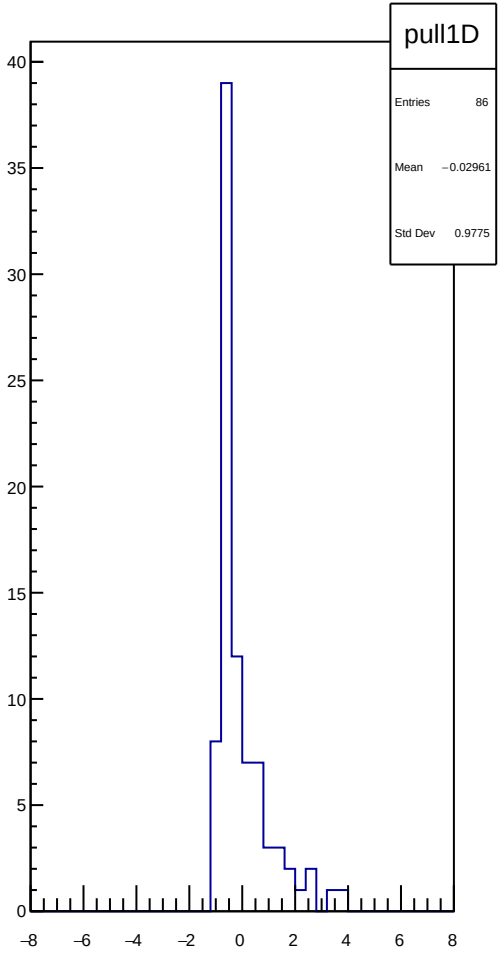

pull1D
Entries 86
Mean 0.01921
Std Dev 0.3783

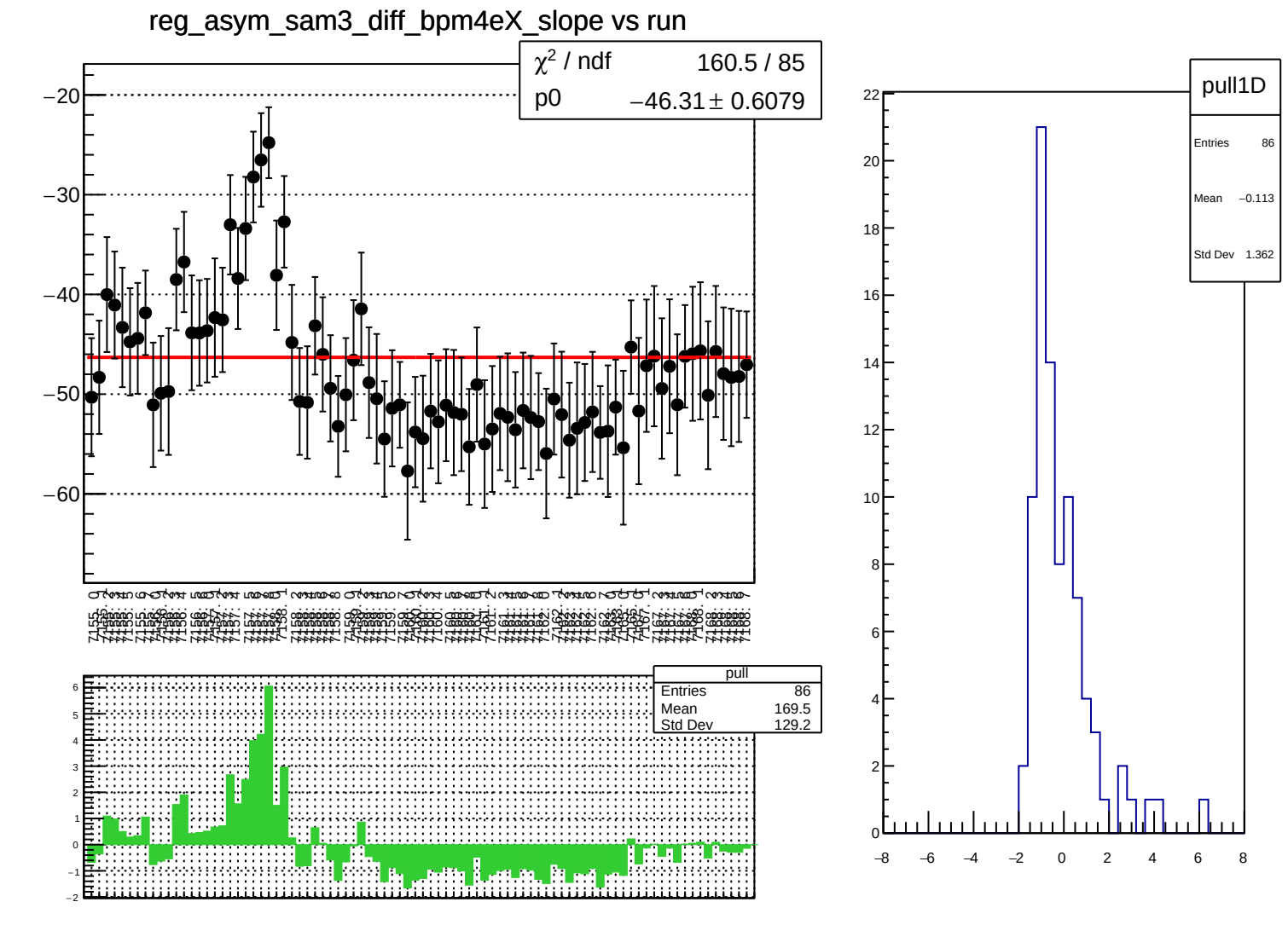

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 8.83 / 85
p0 2.269 ± 0.07539
pull
Entries 86
Mean 2751
Std Dev 2708

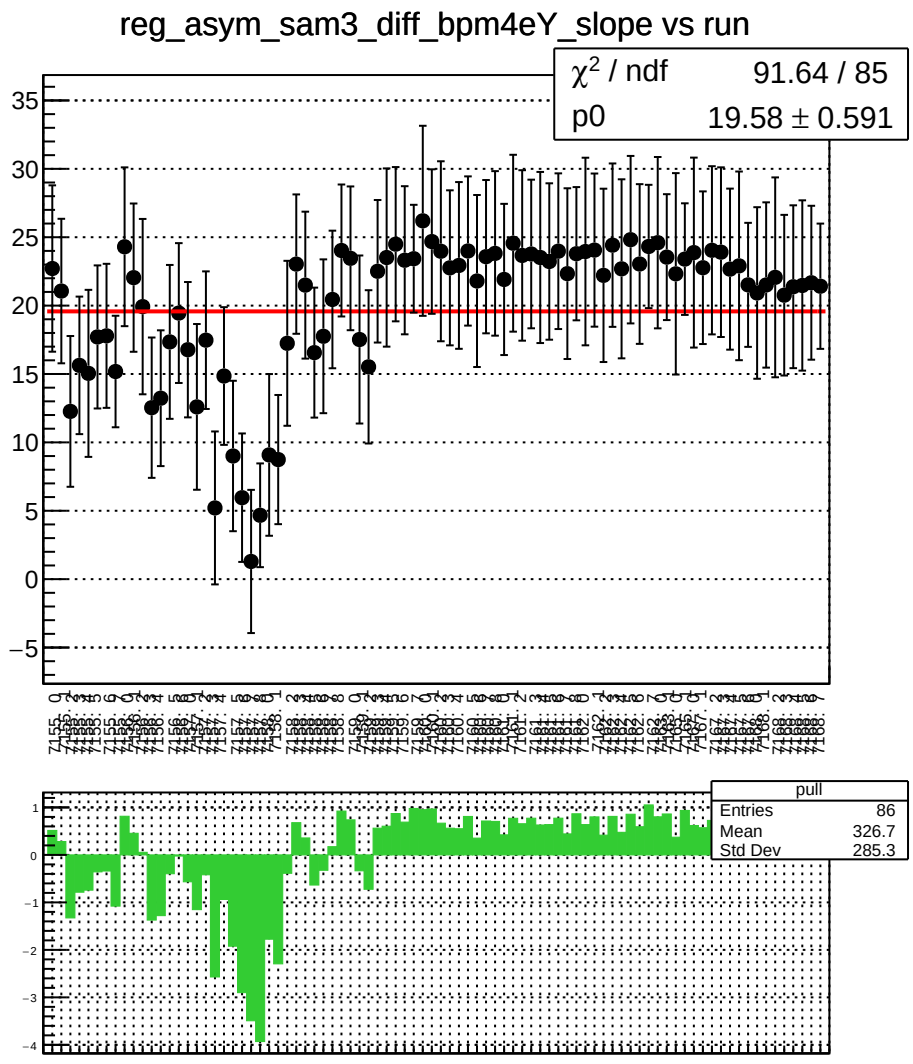

pull1D
Entries 86
Mean 0.001333
Std Dev 0.3204

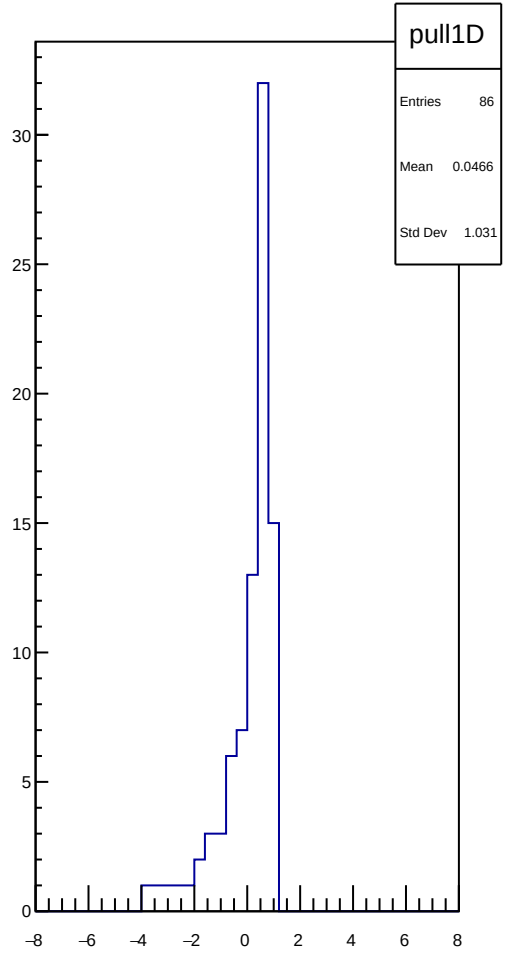

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 217 / 85
p0 −26.85 ± 0.6002
pull
Entries 86
Mean 182.1
Std Dev 141.3
pull1D
Entries 86
Mean 0.1197
Std Dev 1.584

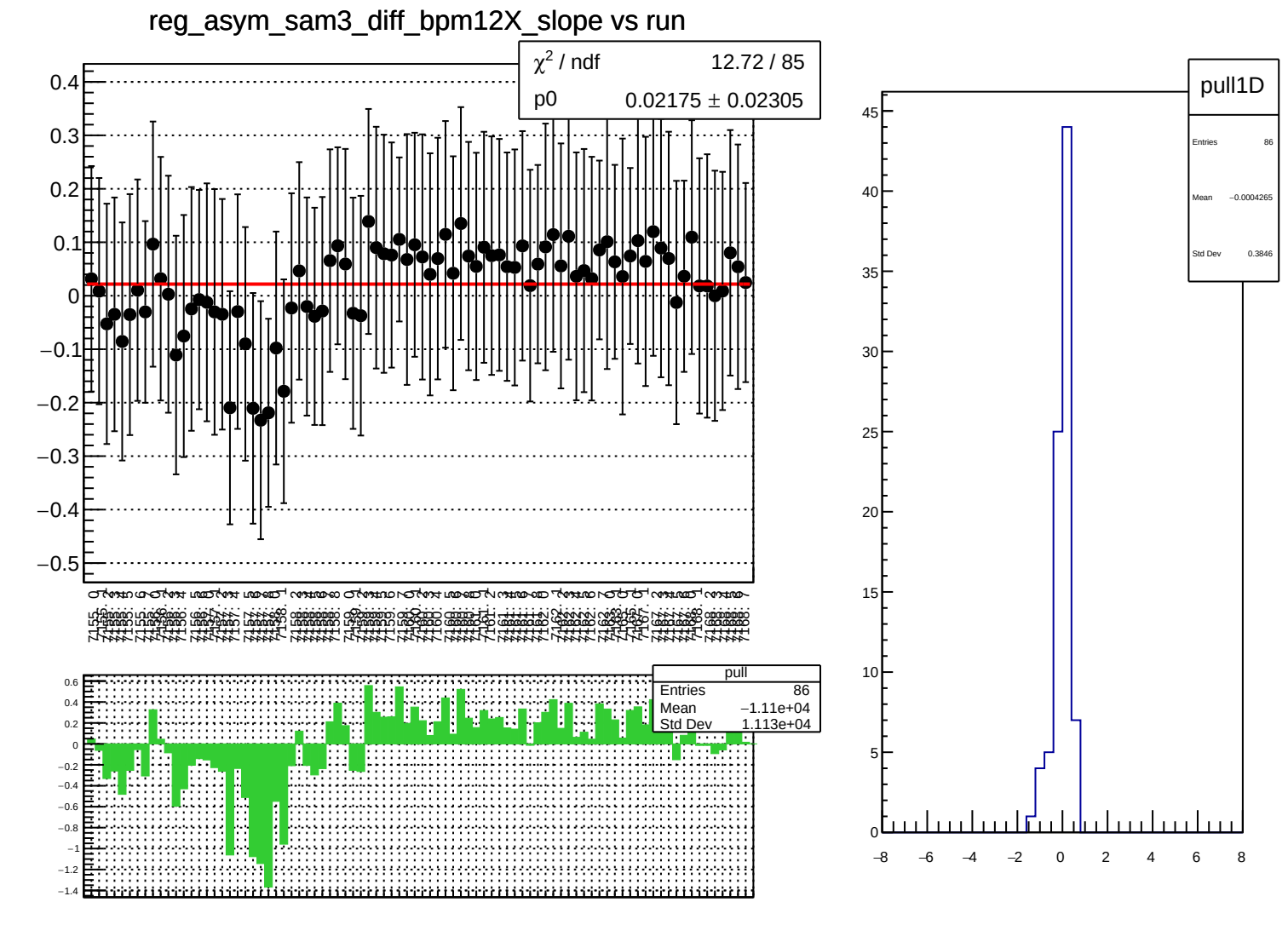

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 82.25 / 85
p0 −0.3583 ± 0.508
pull
Entries 86
Mean 473.4
Std Dev 432.2

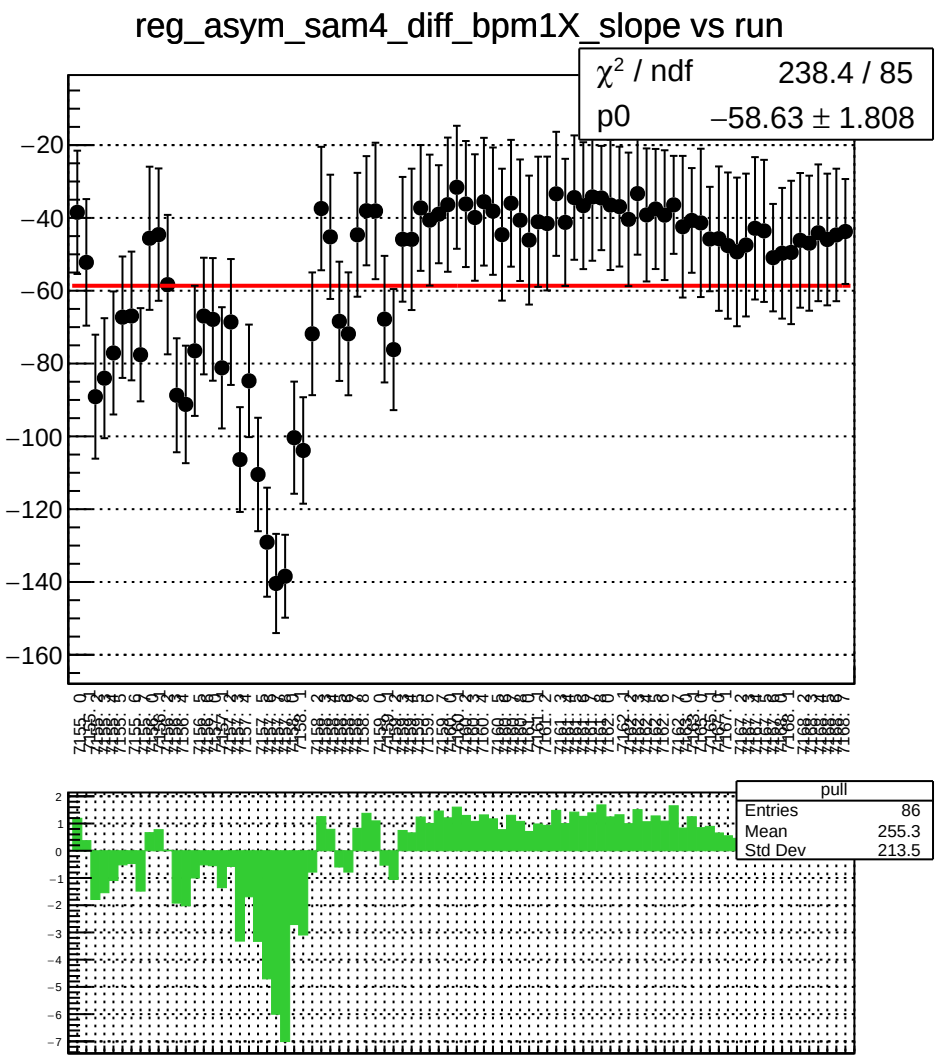

pull1D
Entries 86
Mean −0.02961
Std Dev 0.9775

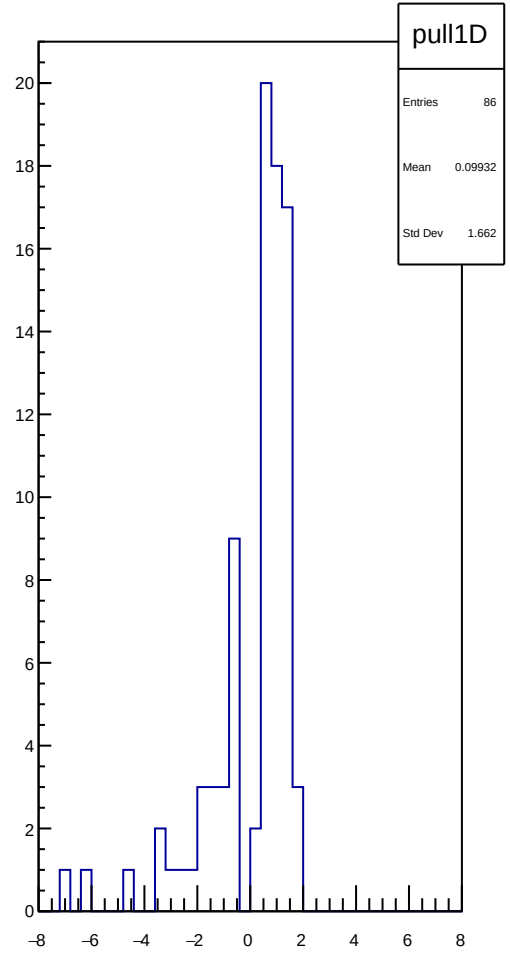

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 160.5 / 85
p0 −46.31 ± 0.6079
pull
Entries 86
Mean 169.5
Std Dev 129.2
pull1D
Entries 86
Mean −0.113
Std Dev 1.362

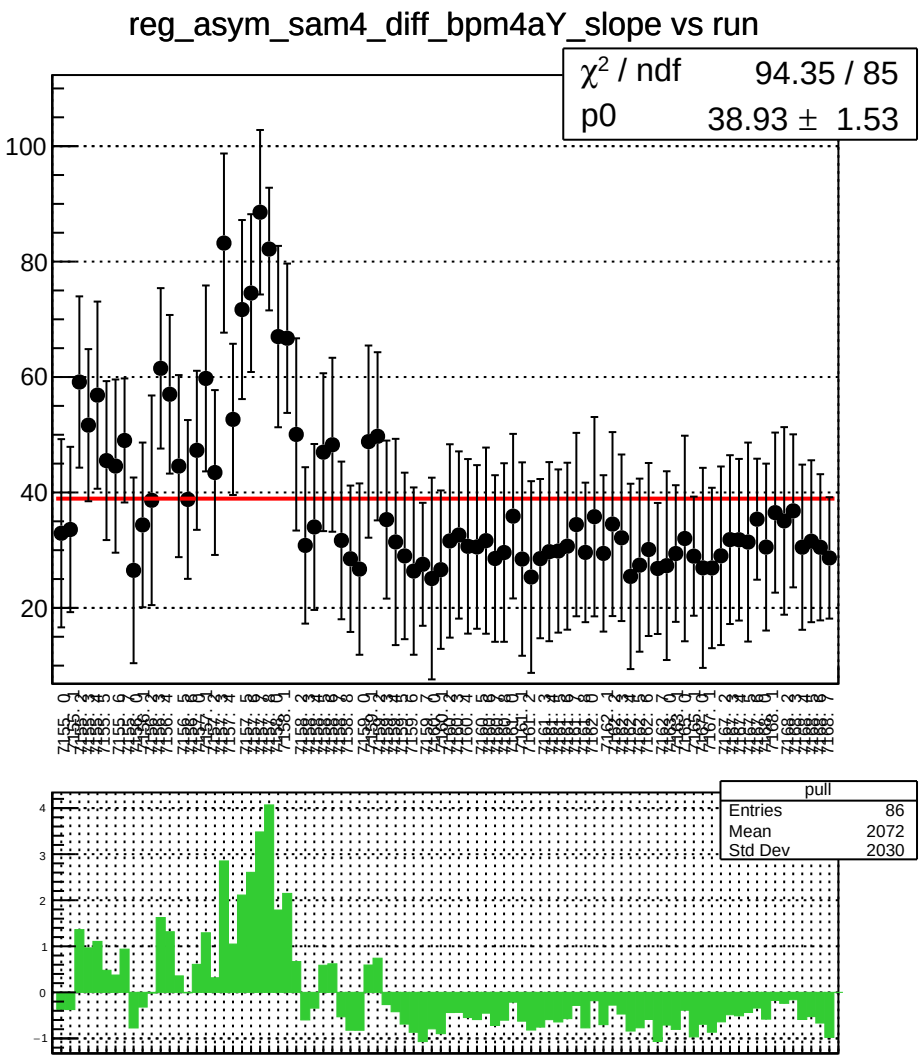

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 91.64 / 85
p0 19.58 ± 0.591
pull
Entries 86
Mean 326.7
Std Dev 285.3

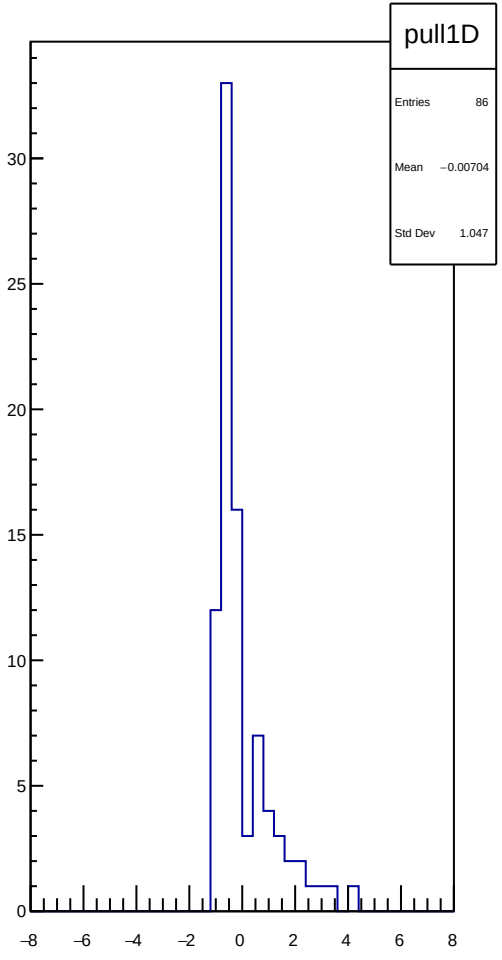

pull1D
Entries 86
Mean 0.0466
Std Dev 1.031

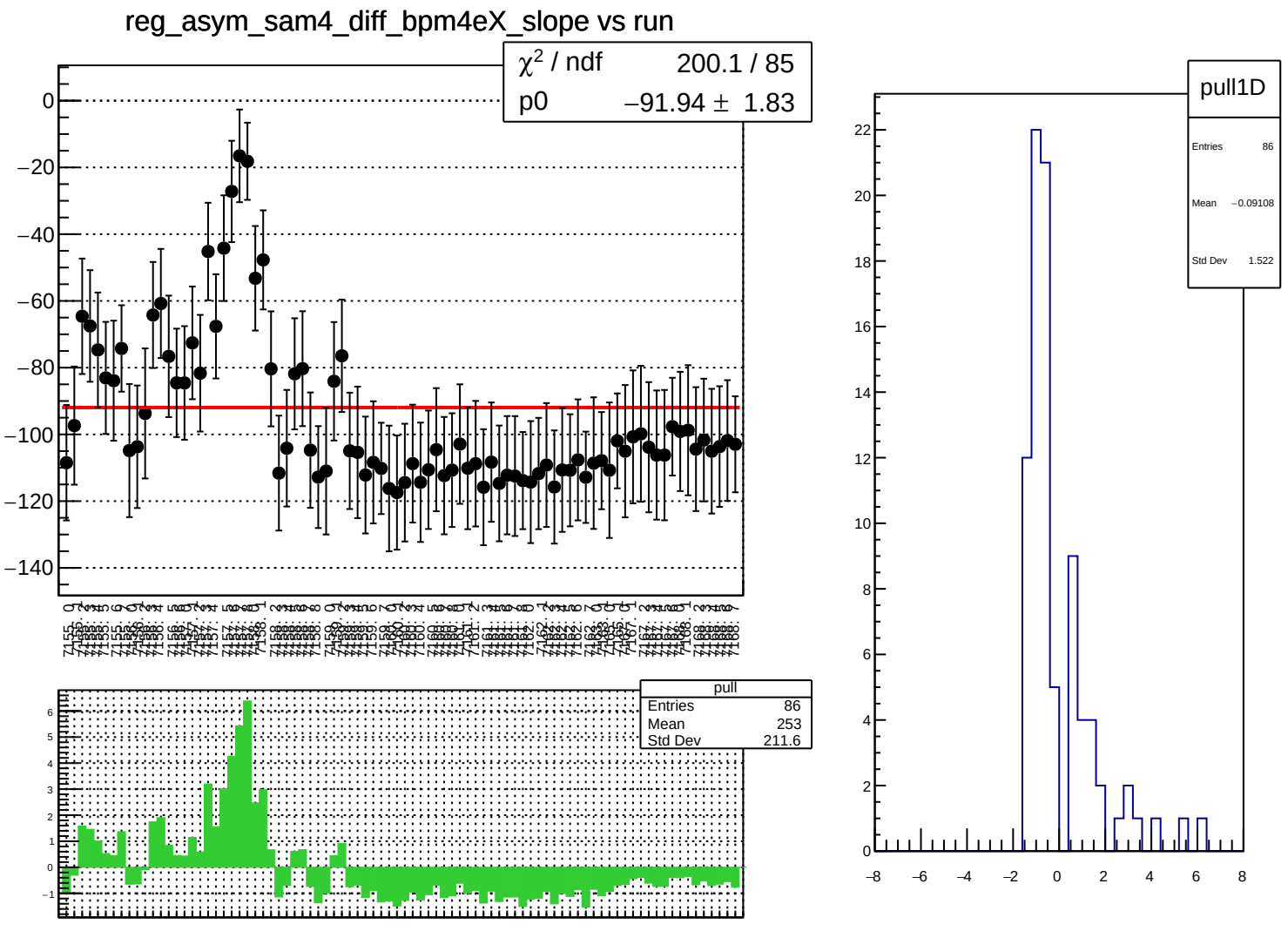

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 12.72 / 85
p0 0.02175 ± 0.02305
pull
Entries 86
Mean −1.11e+04
Std Dev 1.113e+04
pull1D
Entries 86
Mean −0.0004265
Std Dev 0.3846

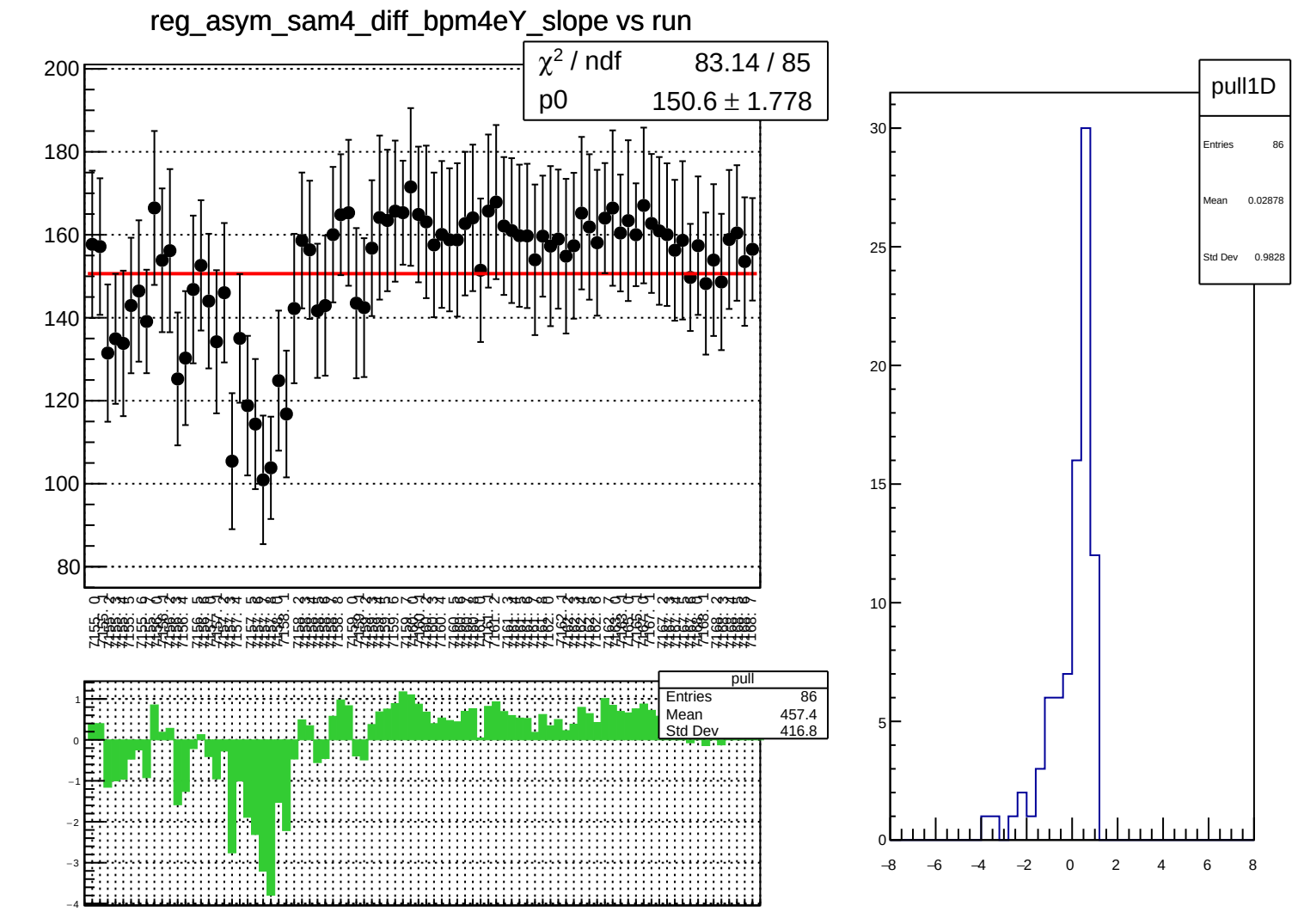

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 238.4 / 85
p0 −58.63 ± 1.808
pull
Entries 86
Mean 255.3
Std Dev 213.5

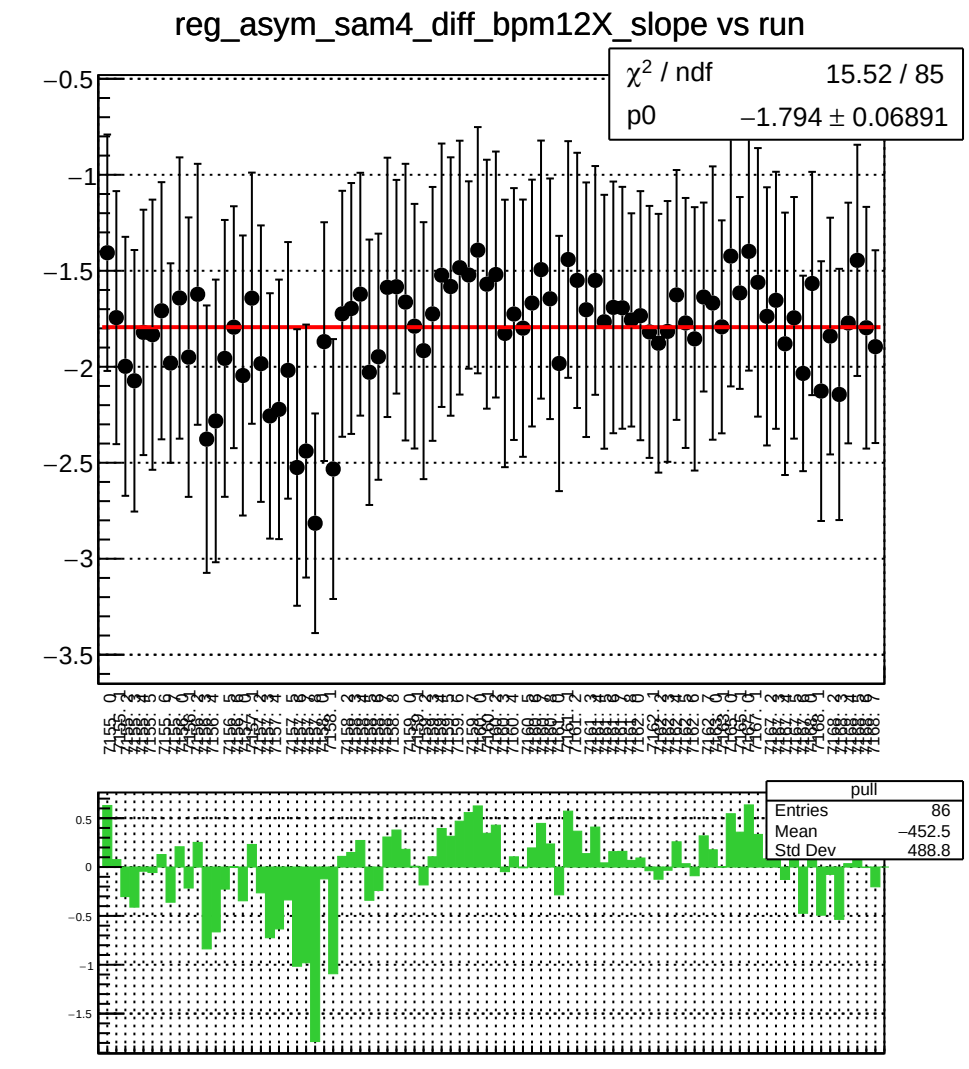

pull1D
Entries 86
Mean 0.09932
Std Dev 1.662

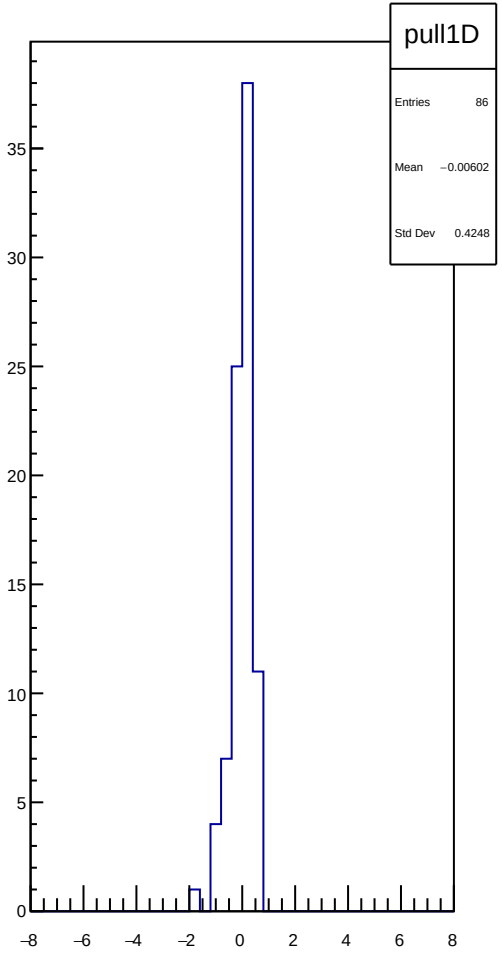

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 94.35 / 85
p0 38.93 ± 1.53
pull
Entries 86
Mean 2072
Std Dev 2030

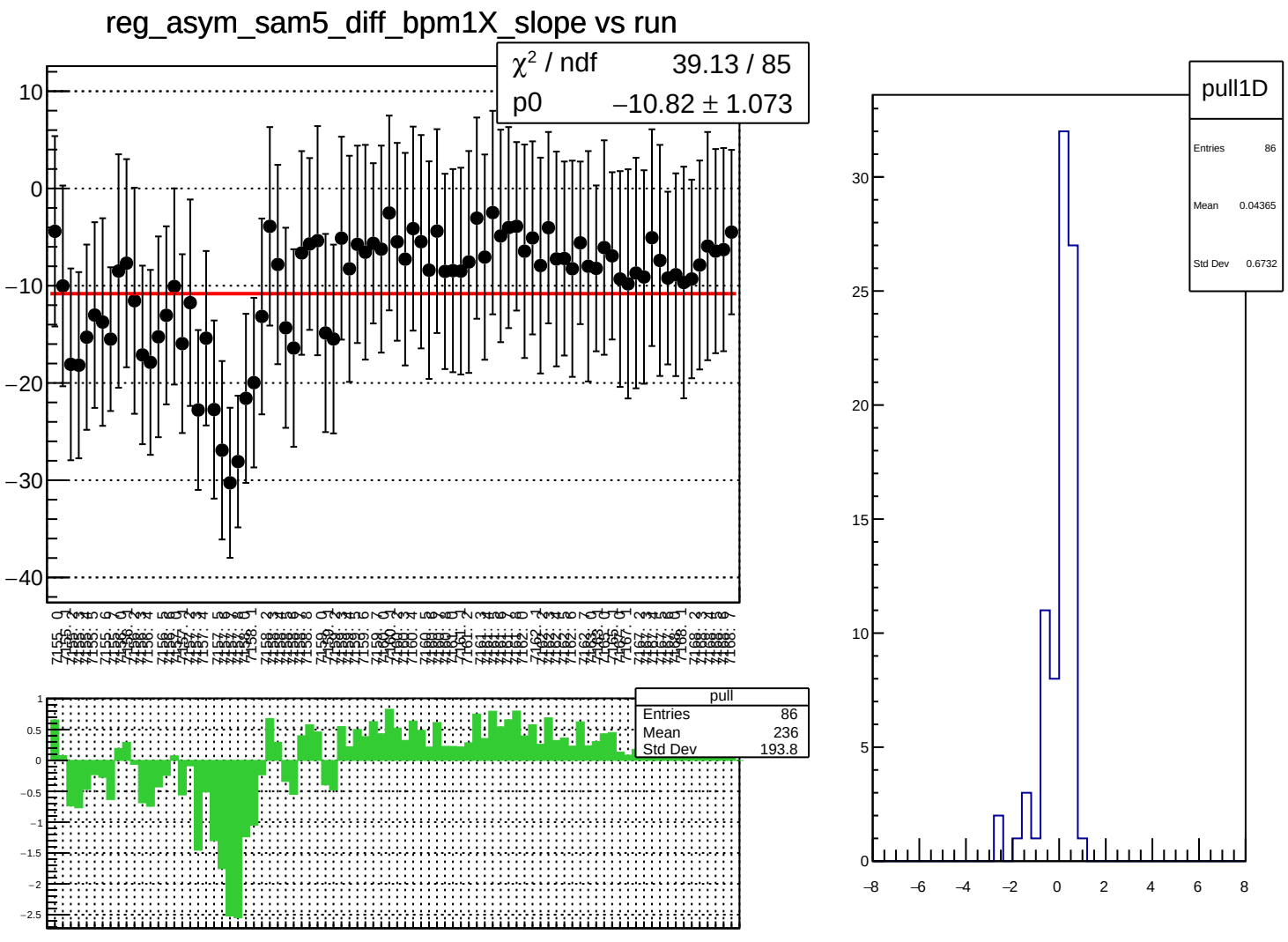

pull1D
Entries 86
Mean −0.00704
Std Dev 1.047

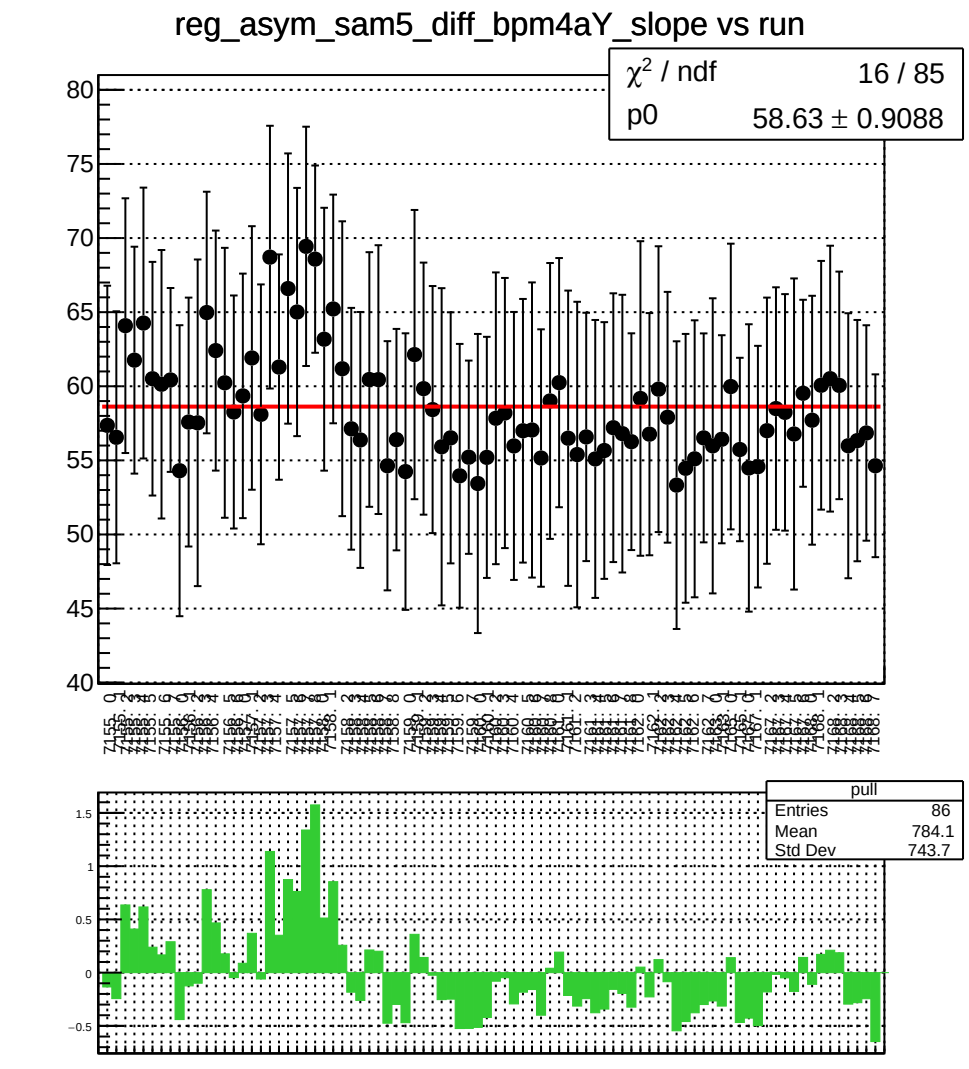

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 200.1 / 85
p0 −91.94 ± 1.83
pull
Entries 86
Mean 253
Std Dev 211.6
pull1D
Entries 86
Mean −0.09108
Std Dev 1.522

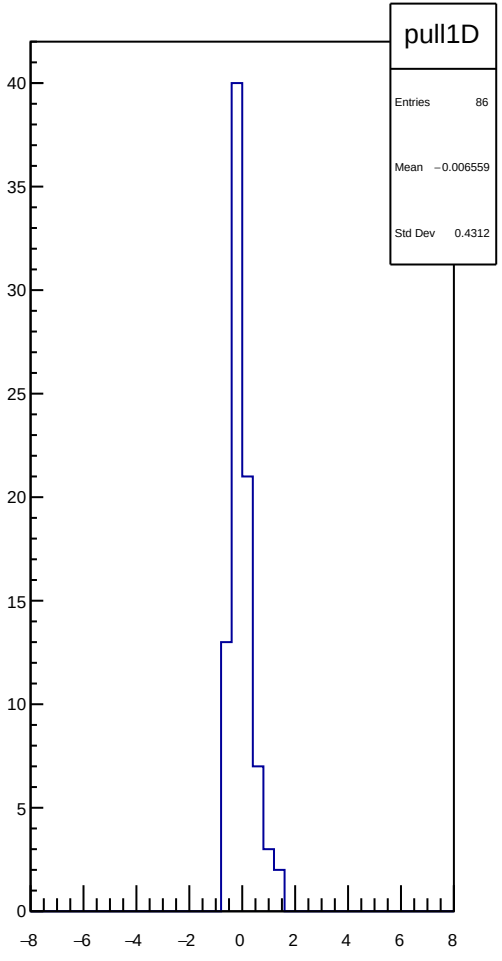

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 83.14 / 85
p0 150.6 ± 1.778
pull
Entries 86
Mean 457.4
Std Dev 416.8
pull1D
Entries 86
Mean 0.02878
Std Dev 0.9828

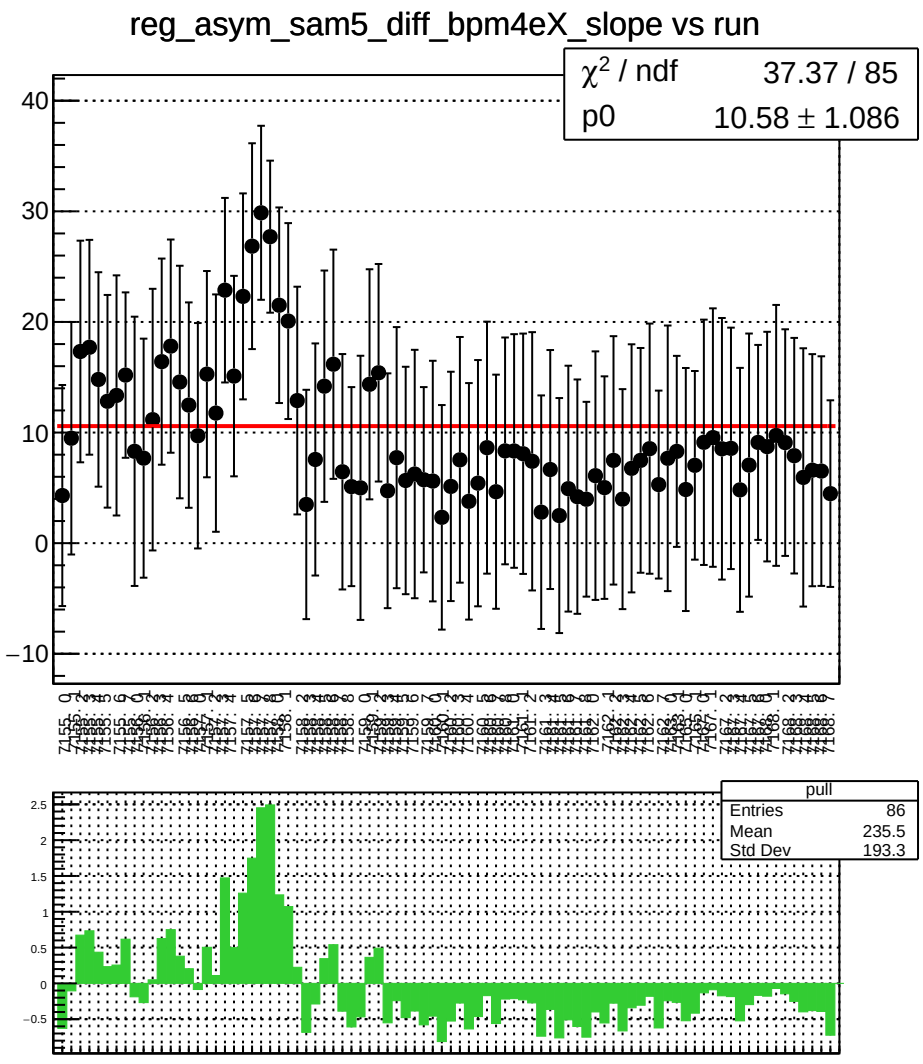

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 15.52 / 85
p0 −1.794 ± 0.06891
pull
Entries 86
Mean −452.5
Std Dev 488.8

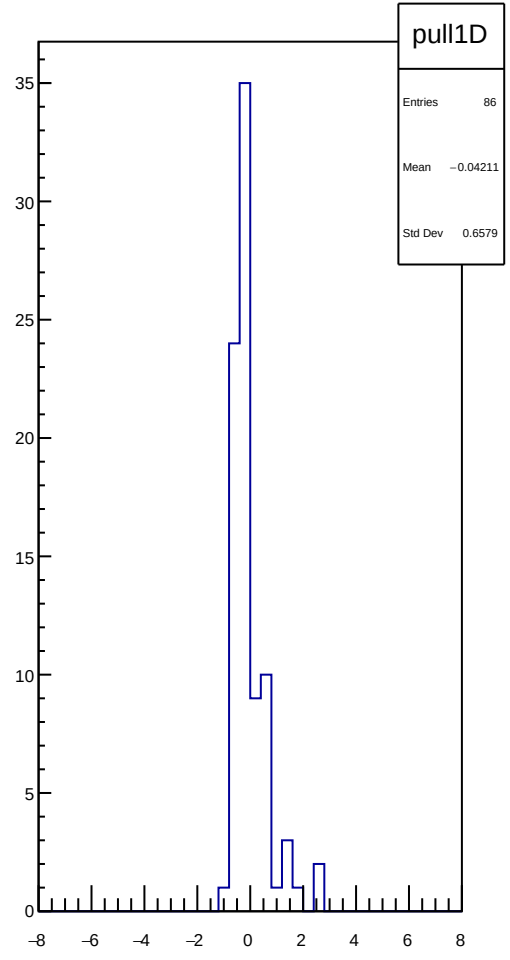

pull1D
Entries 86
Mean −0.00602
Std Dev 0.4248

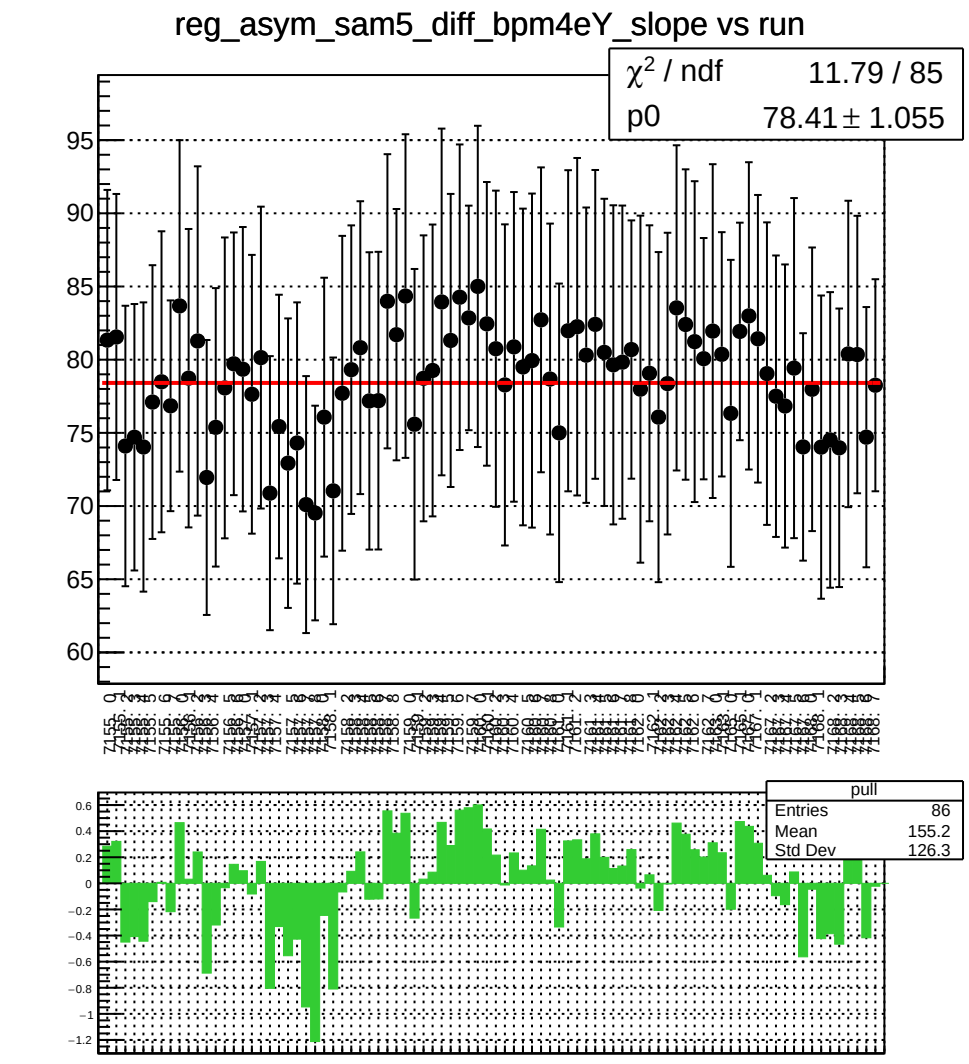

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 39.13 / 85
p0 −10.82 ± 1.073
pull
Entries 86
Mean 236
Std Dev 193.8
pull1D
Entries 86
Mean 0.04365
Std Dev 0.6732

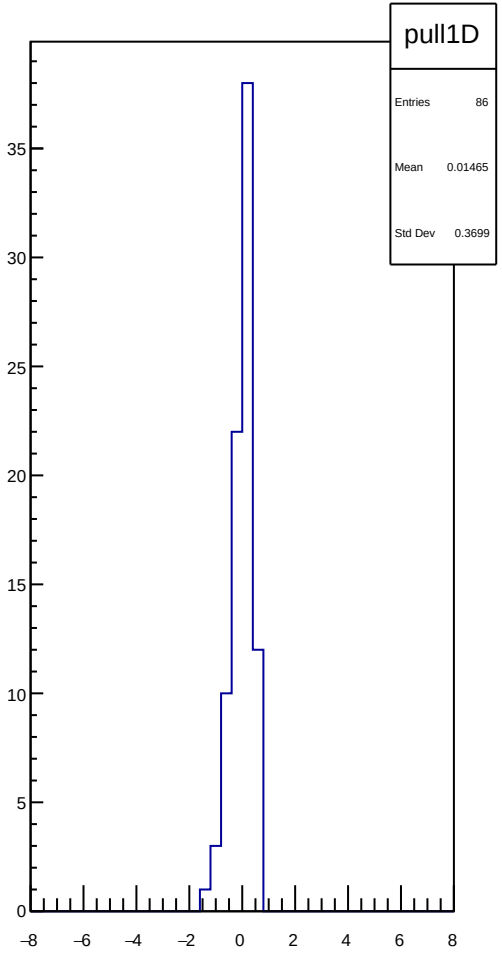

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 16 / 85
p0 58.63 ± 0.9088
pull
Entries 86
Mean 784.1
Std Dev 743.7

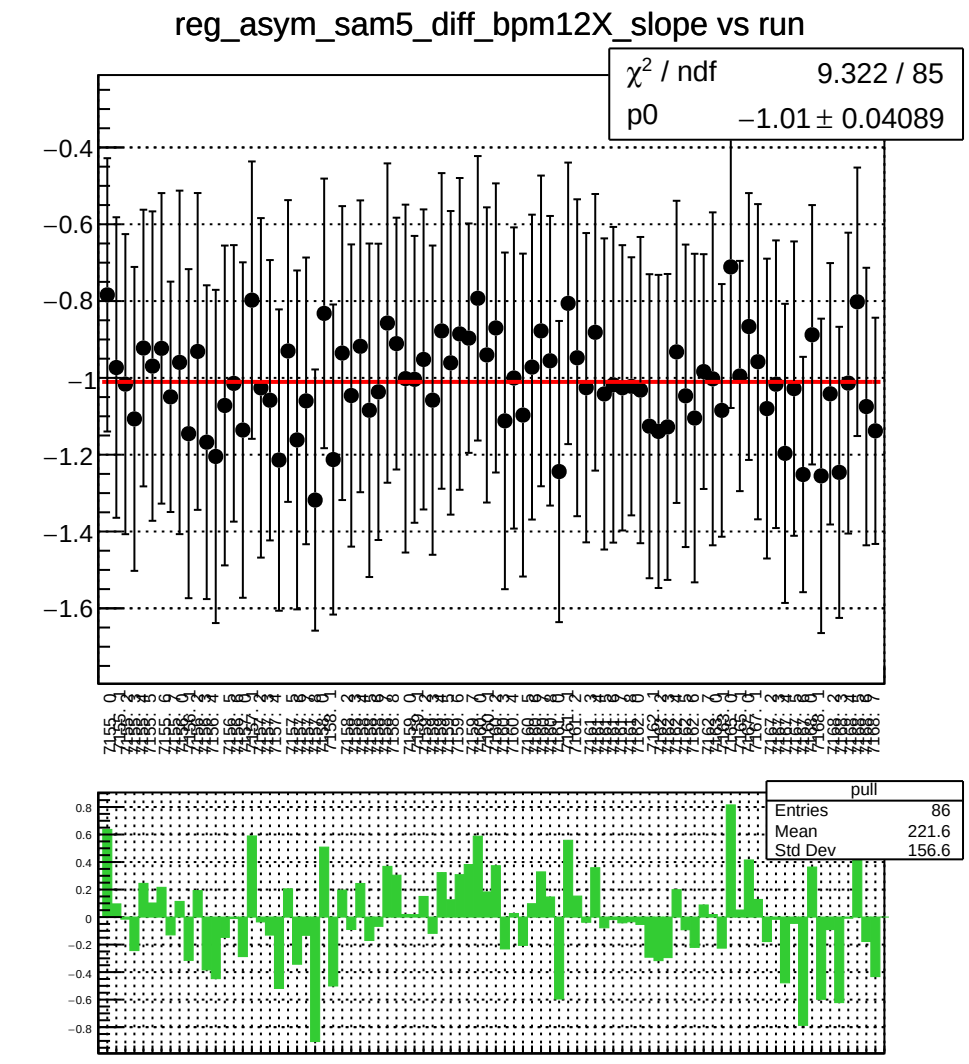

pull1D
Entries 86
Mean −0.006559
Std Dev 0.4312

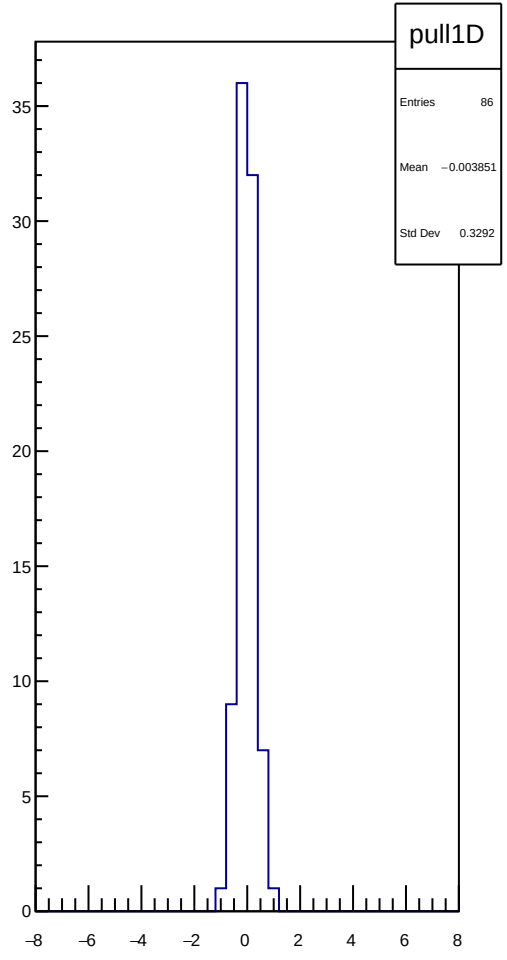

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 37.37 / 85
p0 10.58 ± 1.086
pull
Entries 86
Mean 235.5
Std Dev 193.3

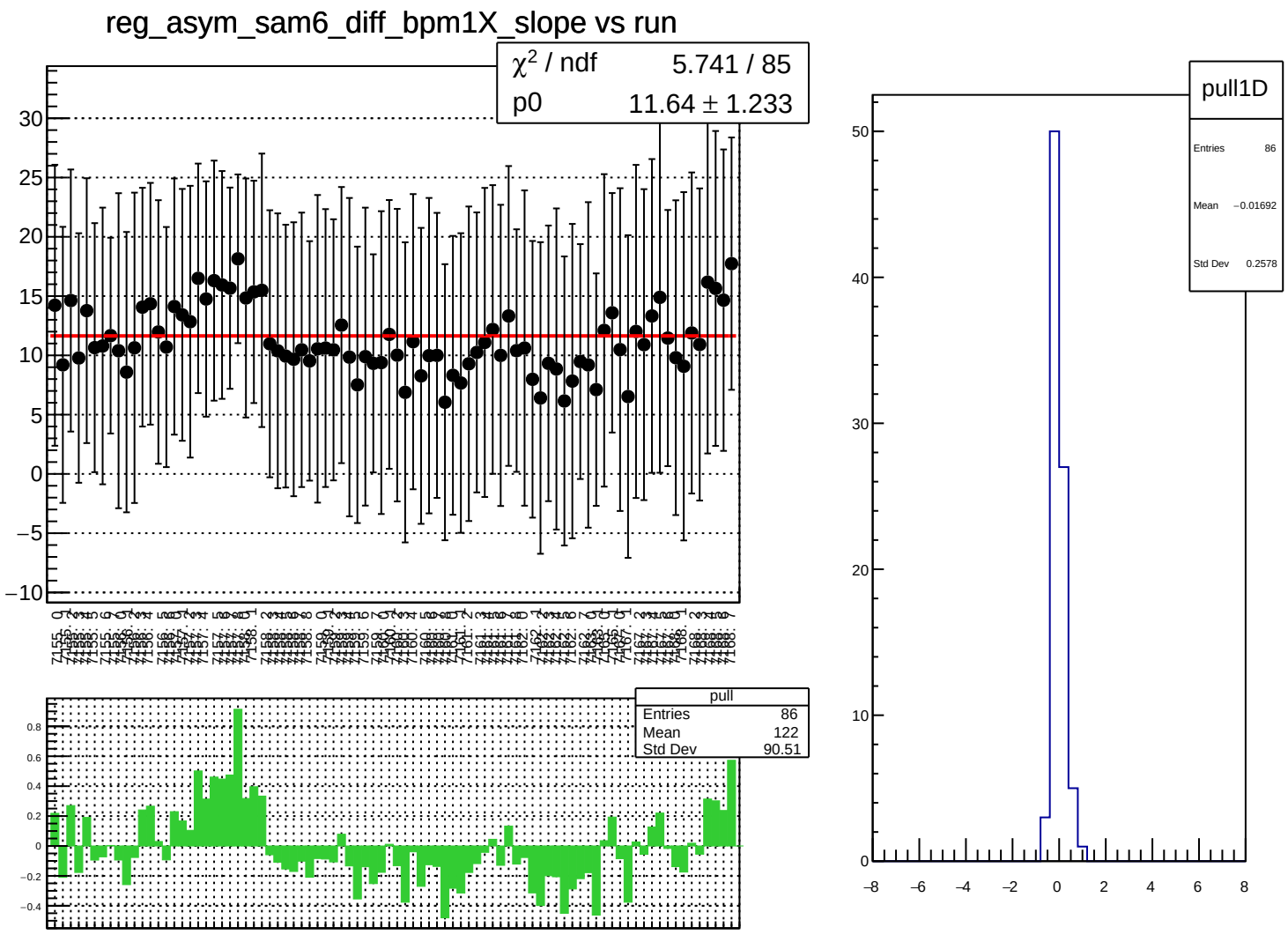

pull1D
Entries 86
Mean −0.04211
Std Dev 0.6579

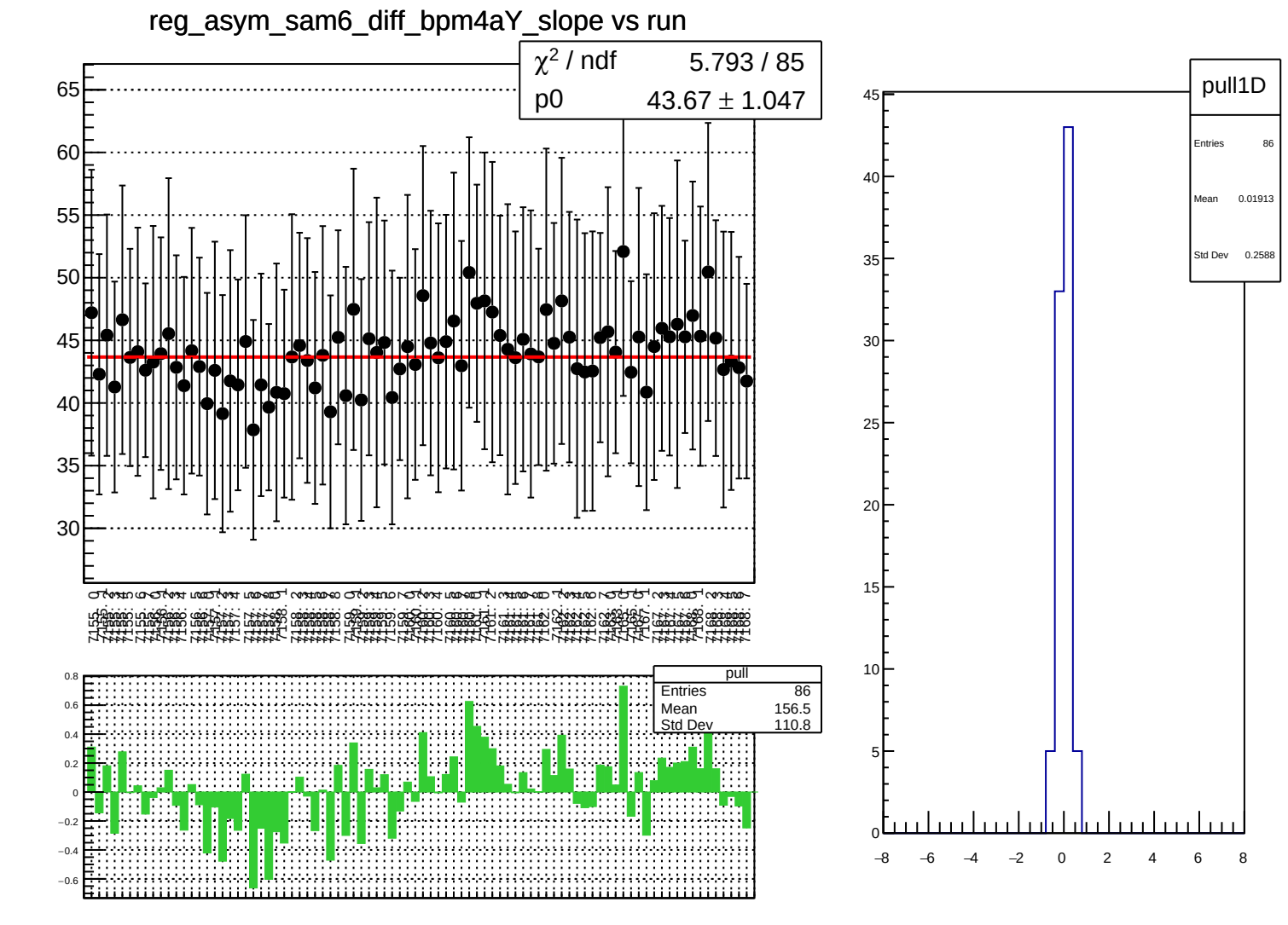

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 11.79 / 85
p0 78.41 ± 1.055
pull
Entries 86
Mean 155.2
Std Dev 126.3

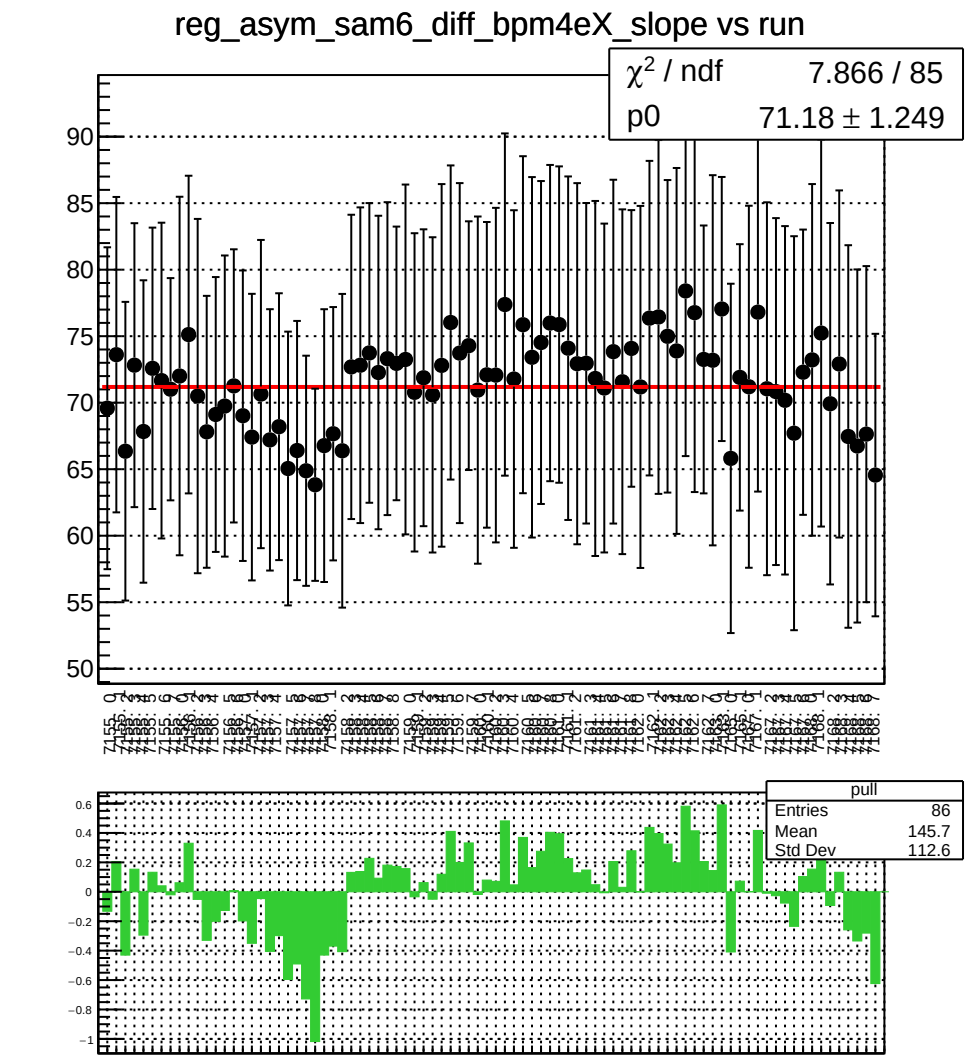

pull1D
Entries 86
Mean 0.01465
Std Dev 0.3699

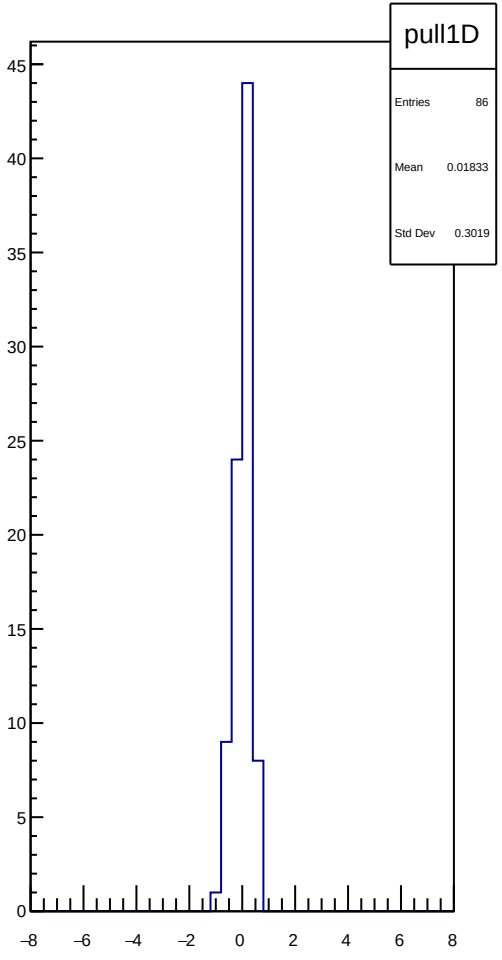

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 9.322 / 85
p0 −1.01 ± 0.04089
pull
Entries 86
Mean 221.6
Std Dev 156.6

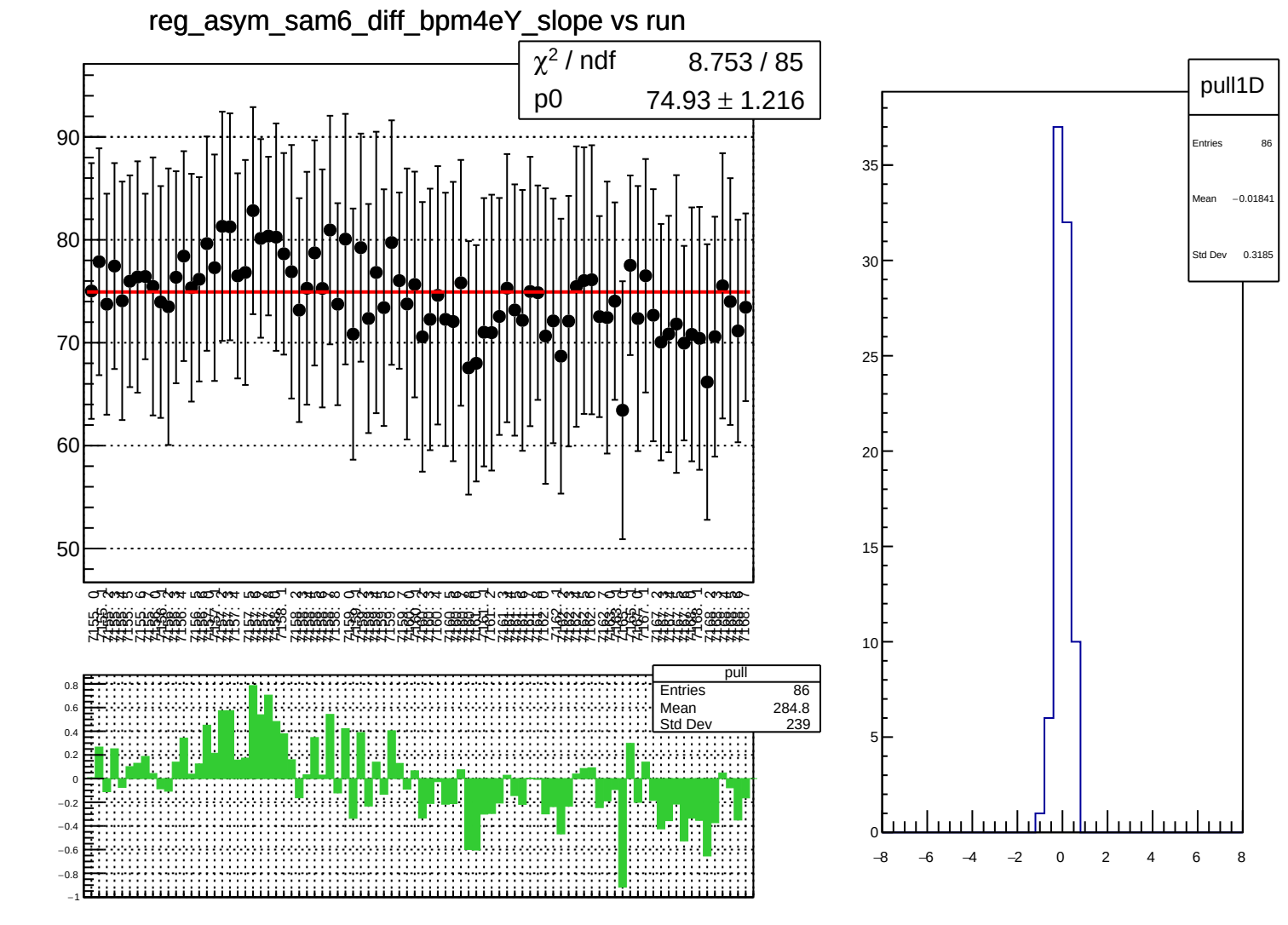

pull1D
Entries 86
Mean −0.003851
Std Dev 0.3292

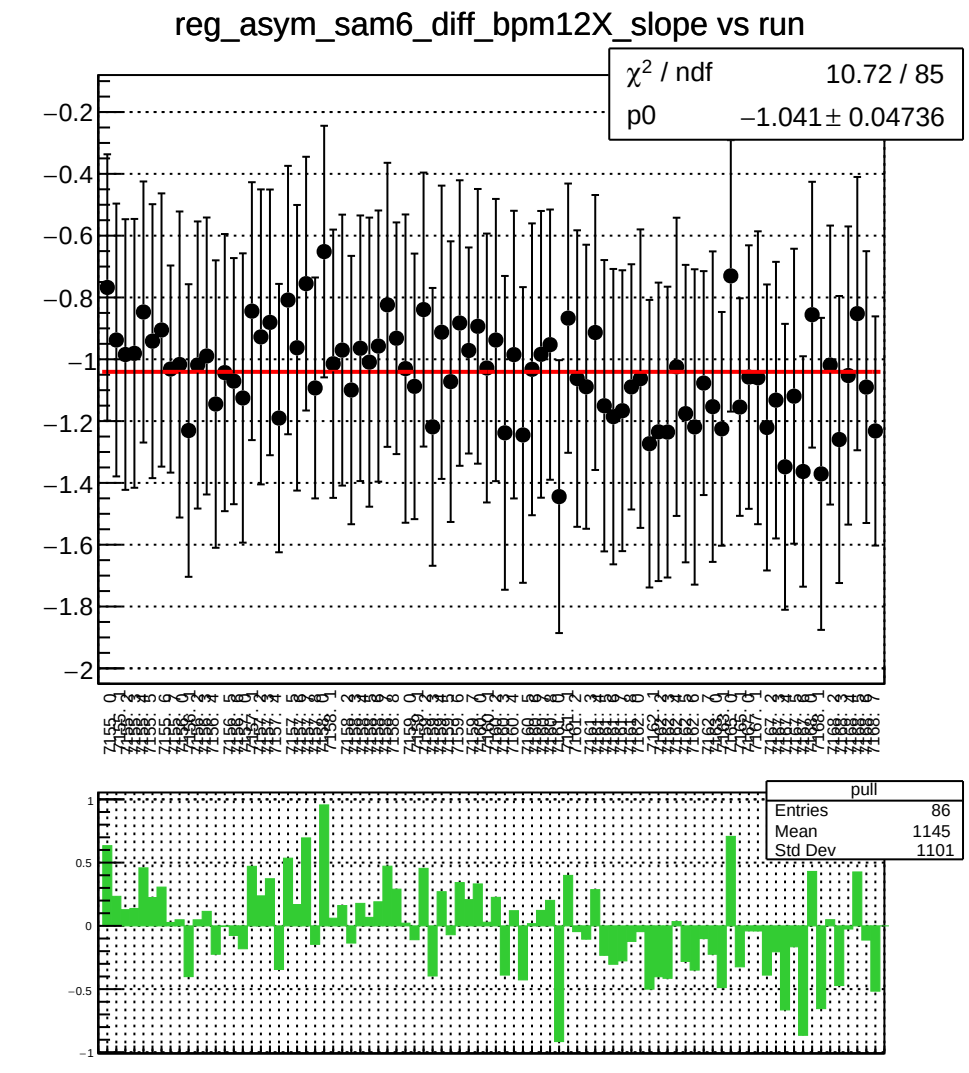

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 5.741 / 85
p0 11.64 ± 1.233
pull
Entries 86
Mean 122
Std Dev 90.51
pull1D
Entries 86
Mean −0.01692
Std Dev 0.2578

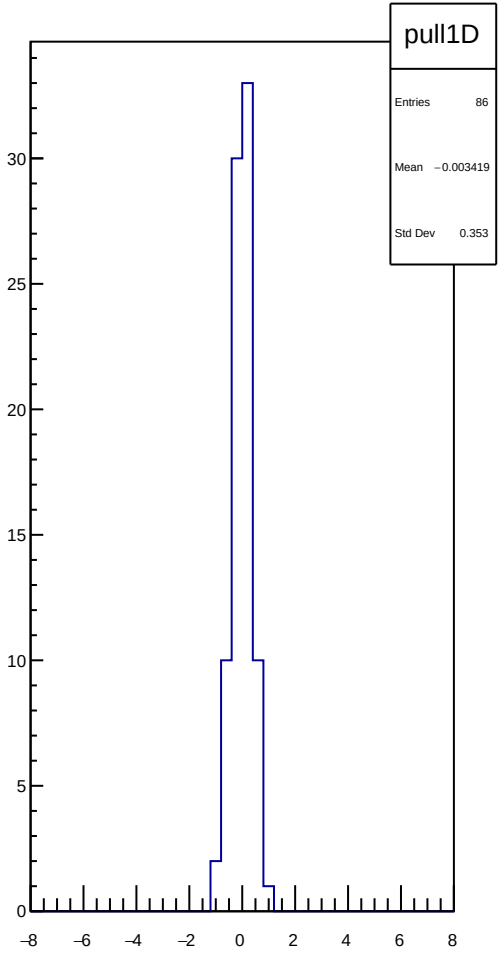

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 5.793 / 85
p0 43.67 ± 1.047
pull
Entries 86
Mean 156.5
Std Dev 110.8
pull1D
Entries 86
Mean 0.01913
Std Dev 0.2588

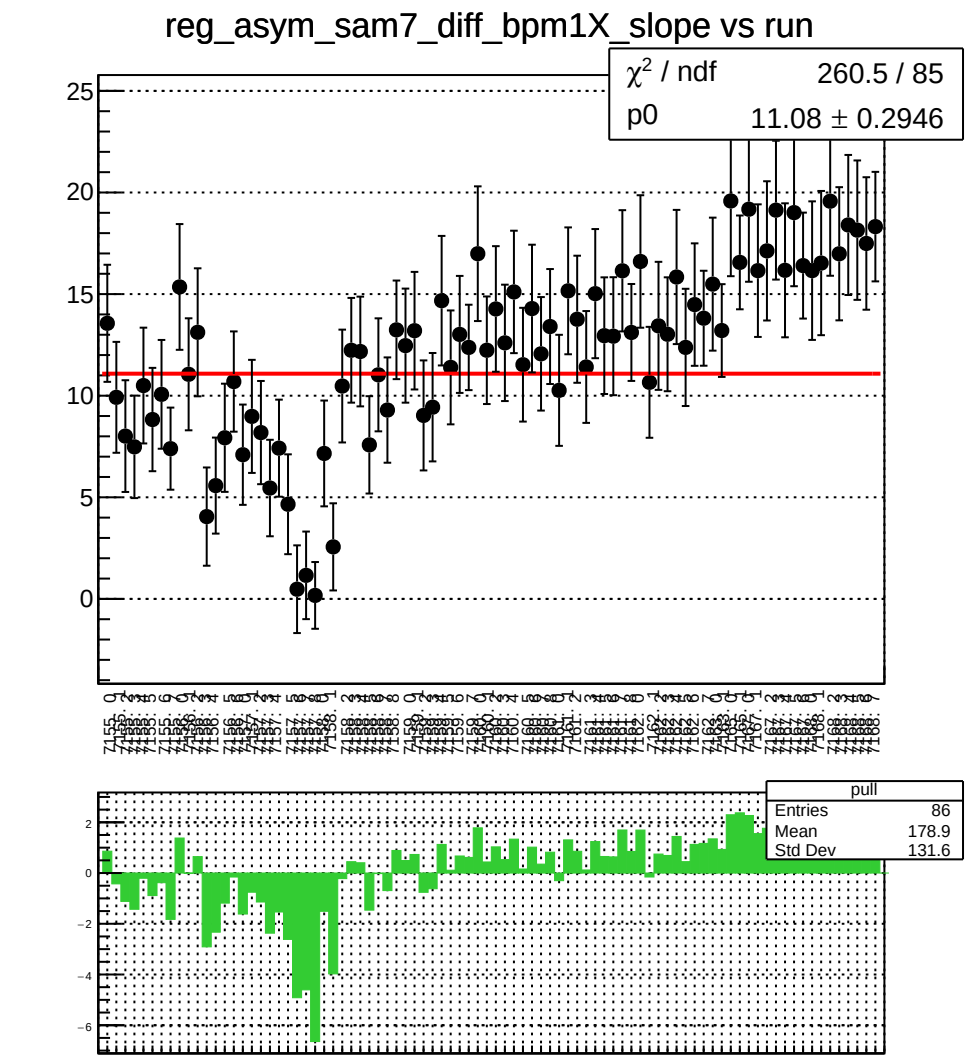

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 7.866 / 85
p0 71.18 ± 1.249
pull
Entries 86
Mean 145.7
Std Dev 112.6

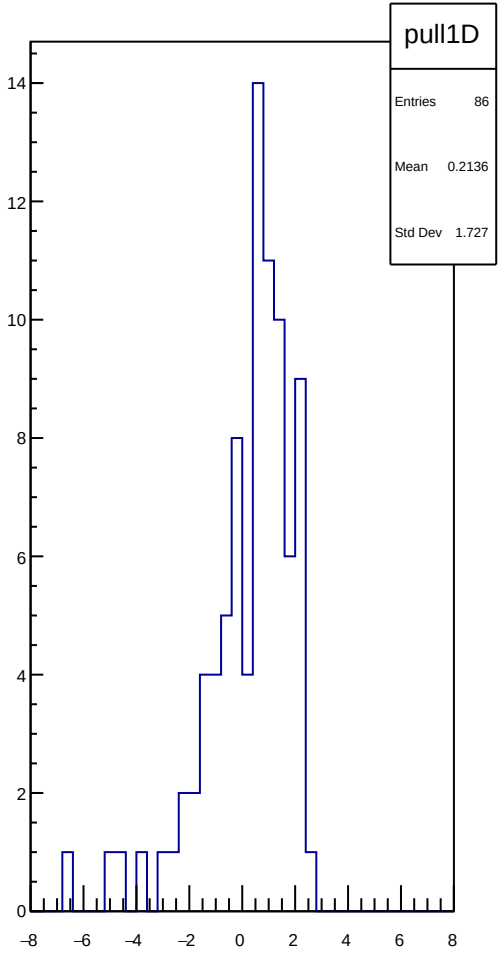

pull1D
Entries 86
Mean 0.01833
Std Dev 0.3019

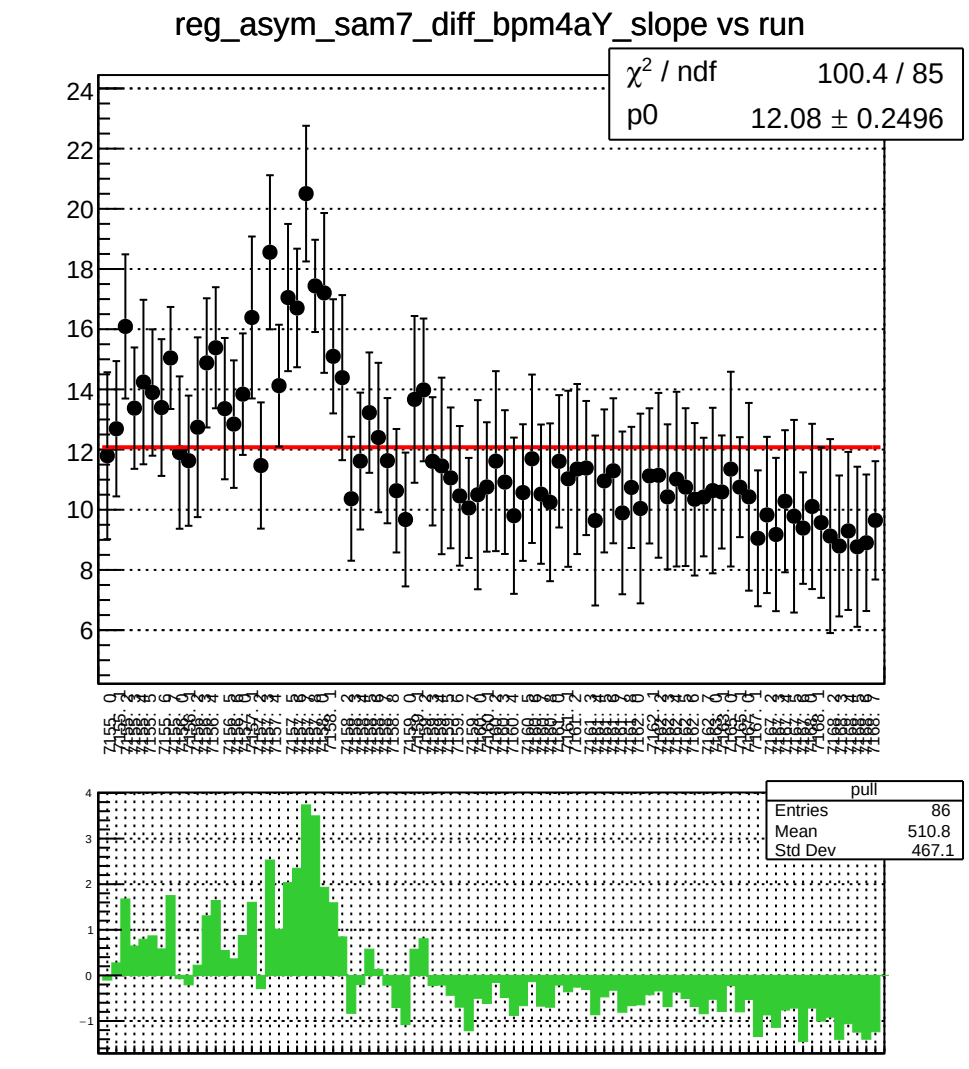

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 8.753 / 85
p0 74.93 ± 1.216
pull
Entries 86
Mean 284.8
Std Dev 239
pull1D
Entries 86
Mean −0.01841
Std Dev 0.3185

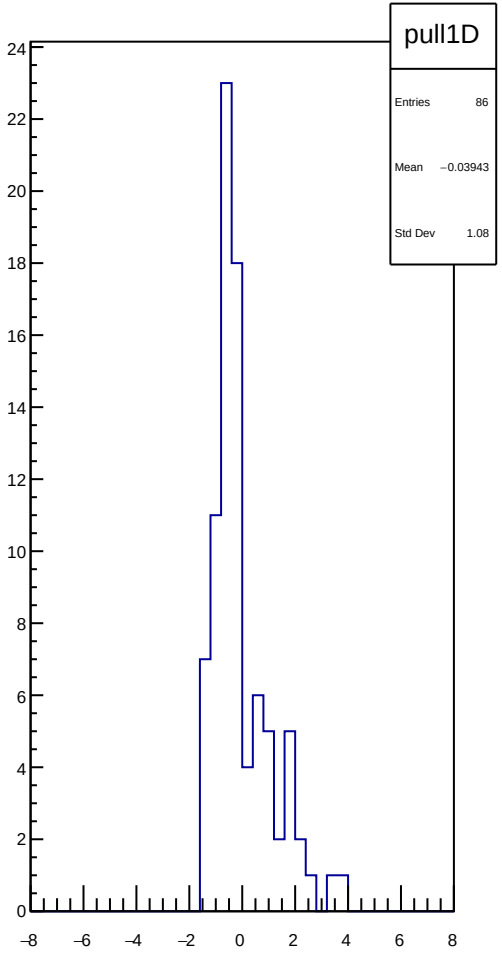

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 10.72 / 85
p0 −1.041 ± 0.04736
pull
Entries 86
Mean 1145
Std Dev 1101

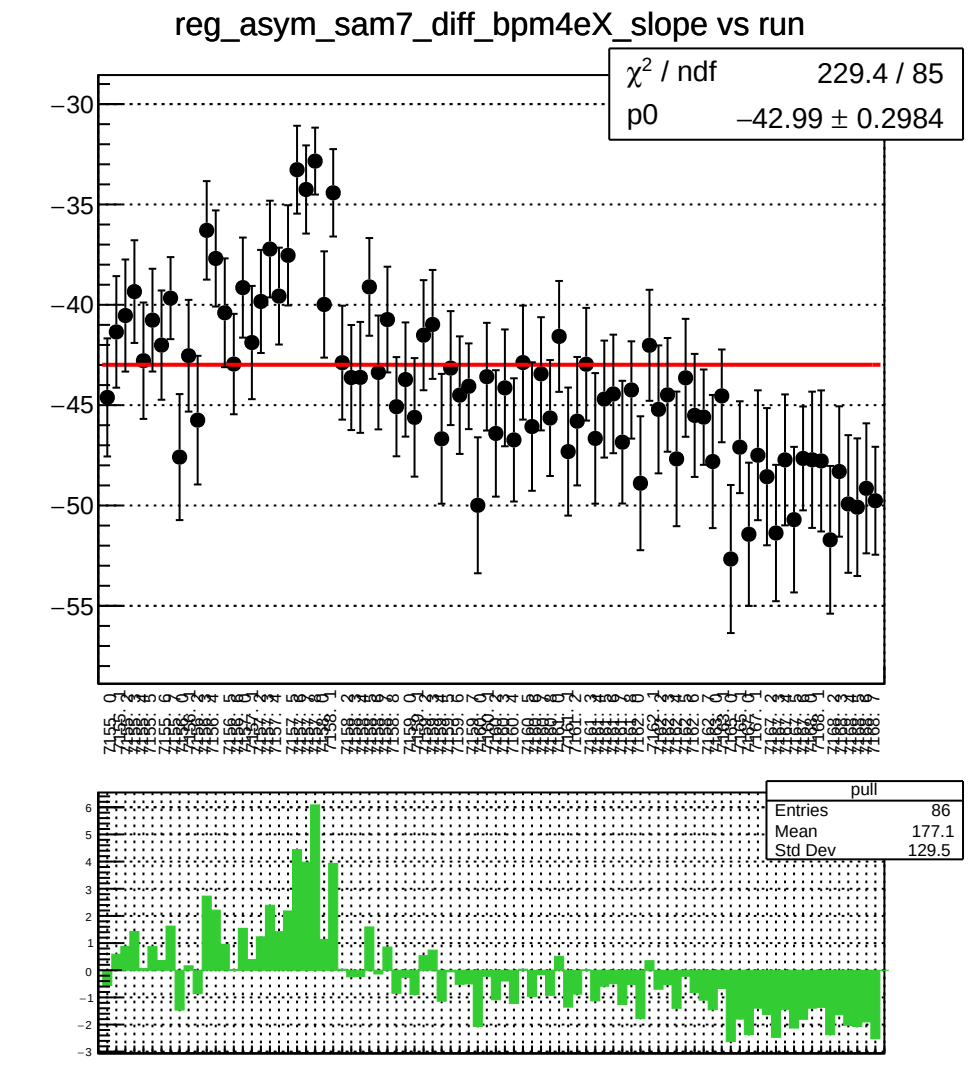

pull1D
Entries 86
Mean −0.003419
Std Dev 0.353

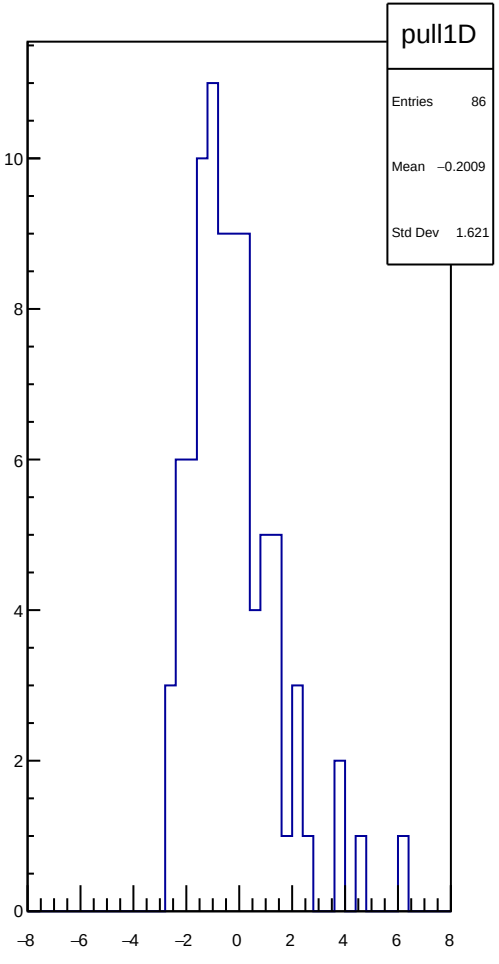

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 260.5 / 85
p0 11.08 ± 0.2946
pull
Entries 86
Mean 178.9
Std Dev 131.6

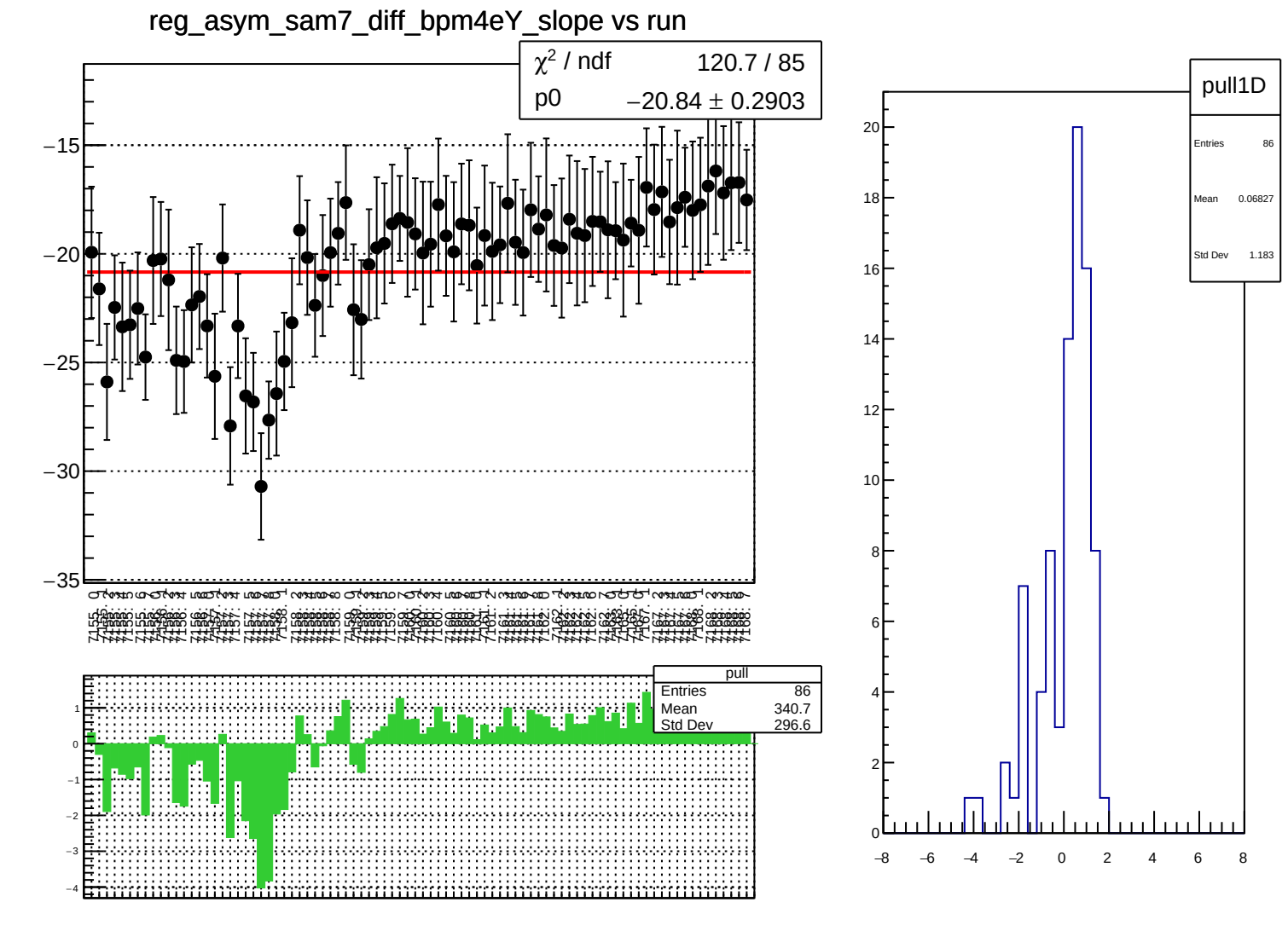

pull1D
Entries 86
Mean 0.2136
Std Dev 1.727

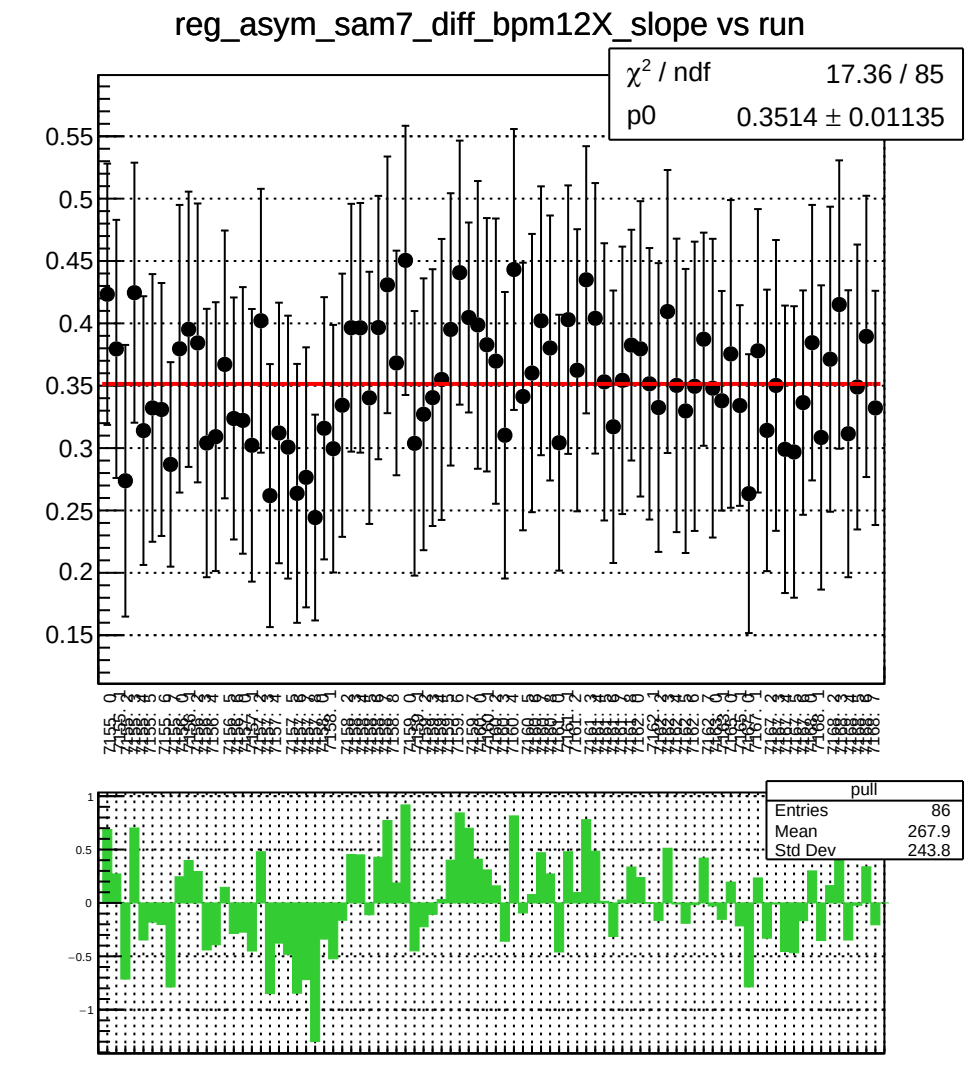

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 100.4 / 85
p0 12.08 ± 0.2496
pull
Entries 86
Mean 510.8
Std Dev 467.1

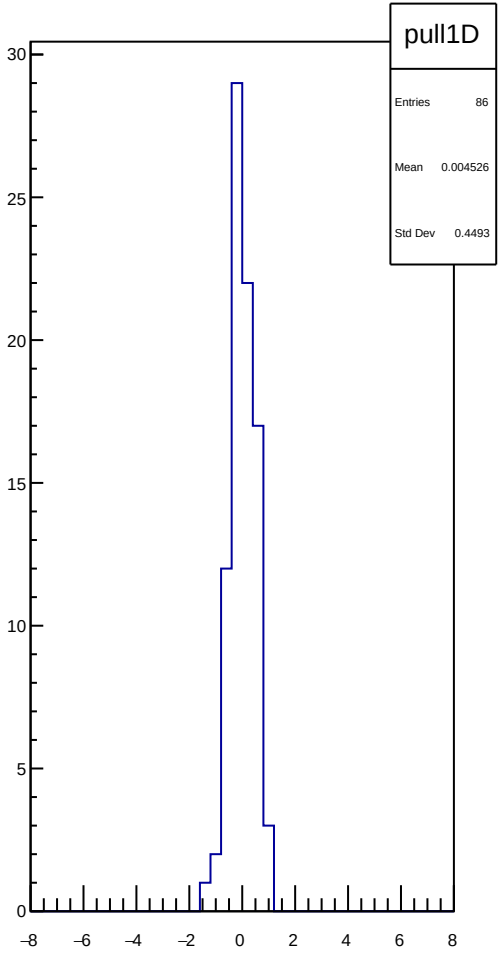

pull1D
Entries 86
Mean −0.03943
Std Dev 1.08

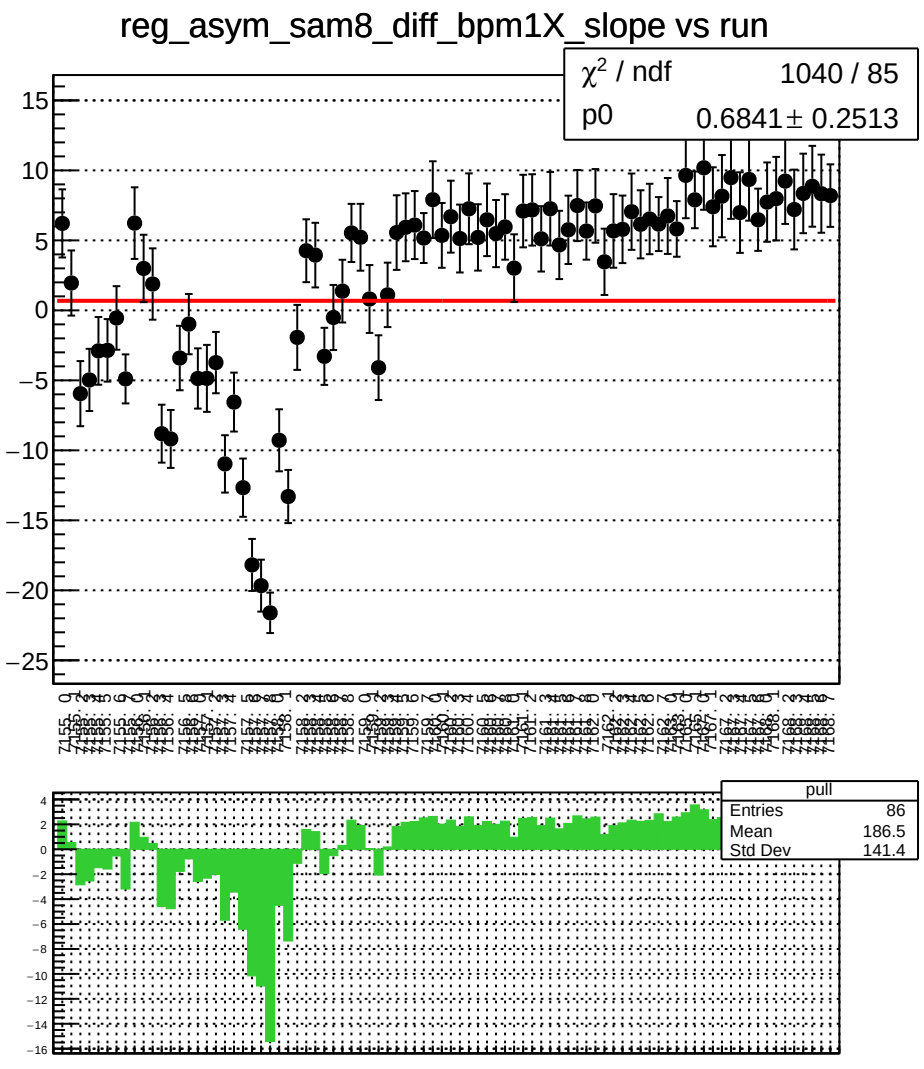

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 229.4 / 85
p0 −42.99 ± 0.2984
pull
Entries 86
Mean 177.1
Std Dev 129.5

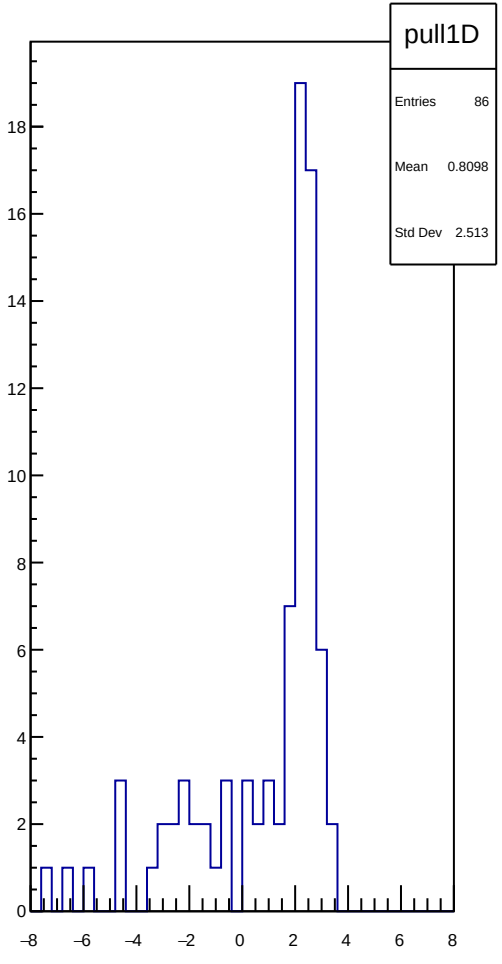

pull1D
Entries 86
Mean −0.2009
Std Dev 1.621

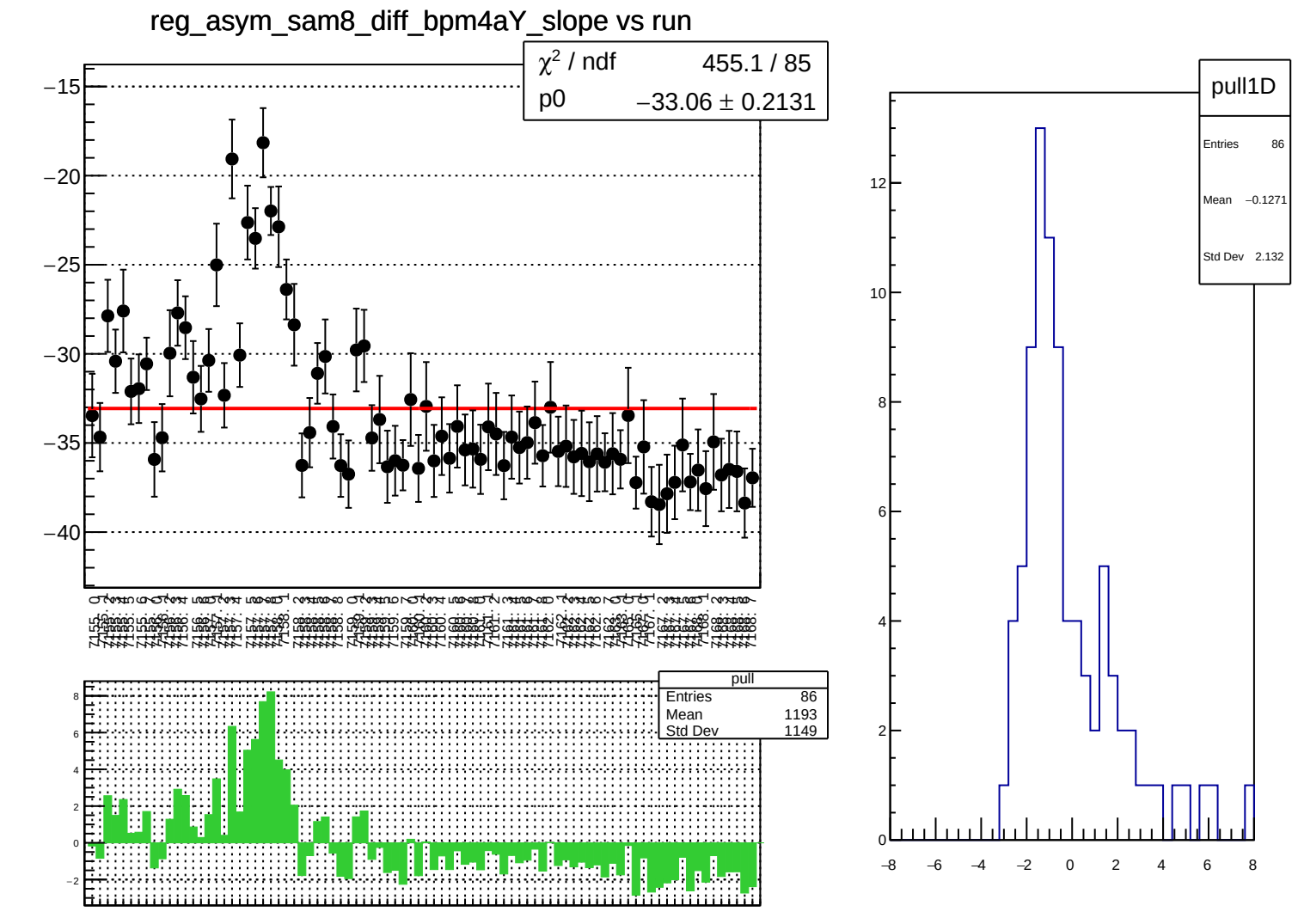

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 120.7 / 85
p0 −20.84 ± 0.2903
pull
Entries 86
Mean 340.7
Std Dev 296.6
pull1D
Entries 86
Mean 0.06827
Std Dev 1.183

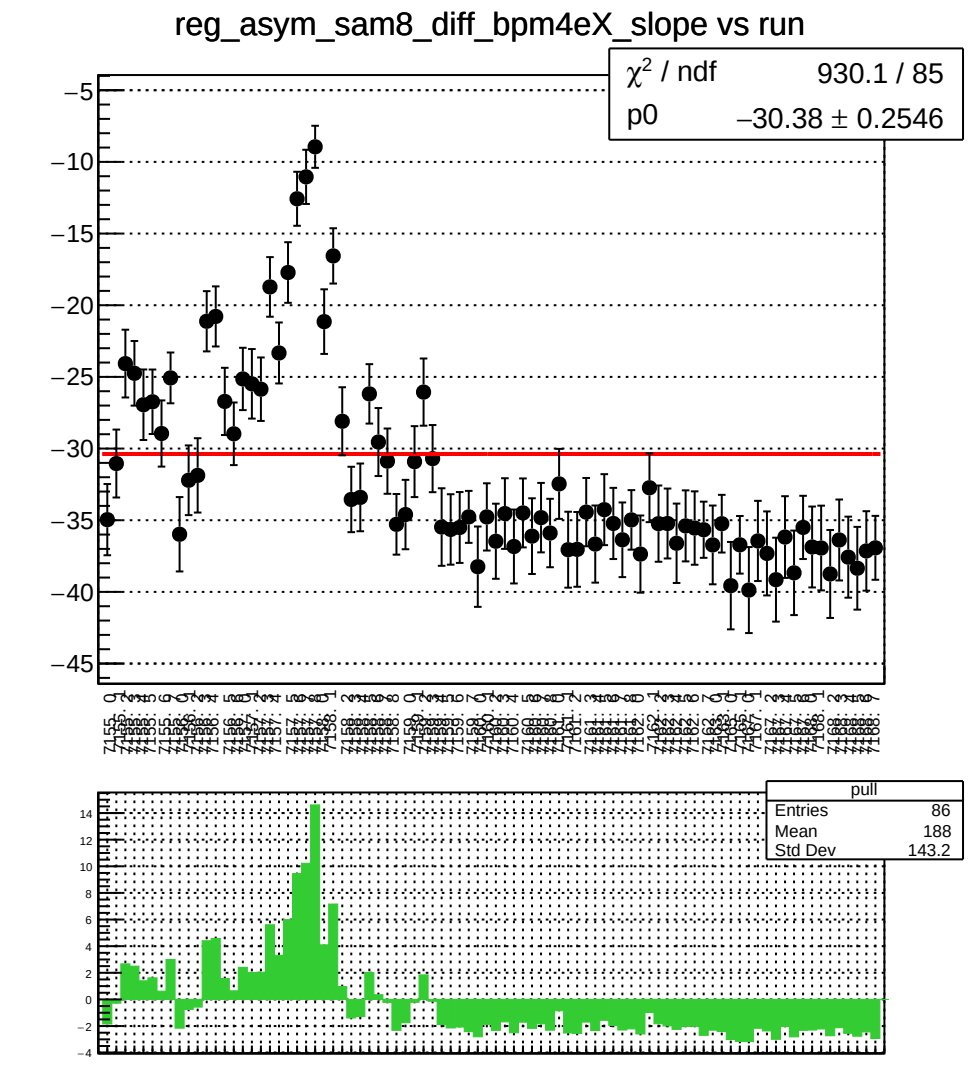

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 17.36 / 85
p0 0.3514 ± 0.01135
pull
Entries 86
Mean 267.9
Std Dev 243.8

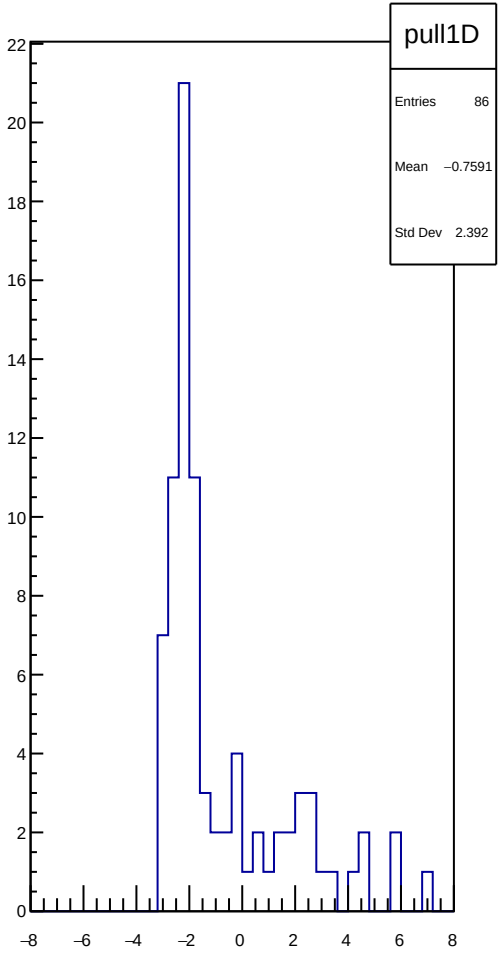

pull1D
Entries 86
Mean 0.004526
Std Dev 0.4493

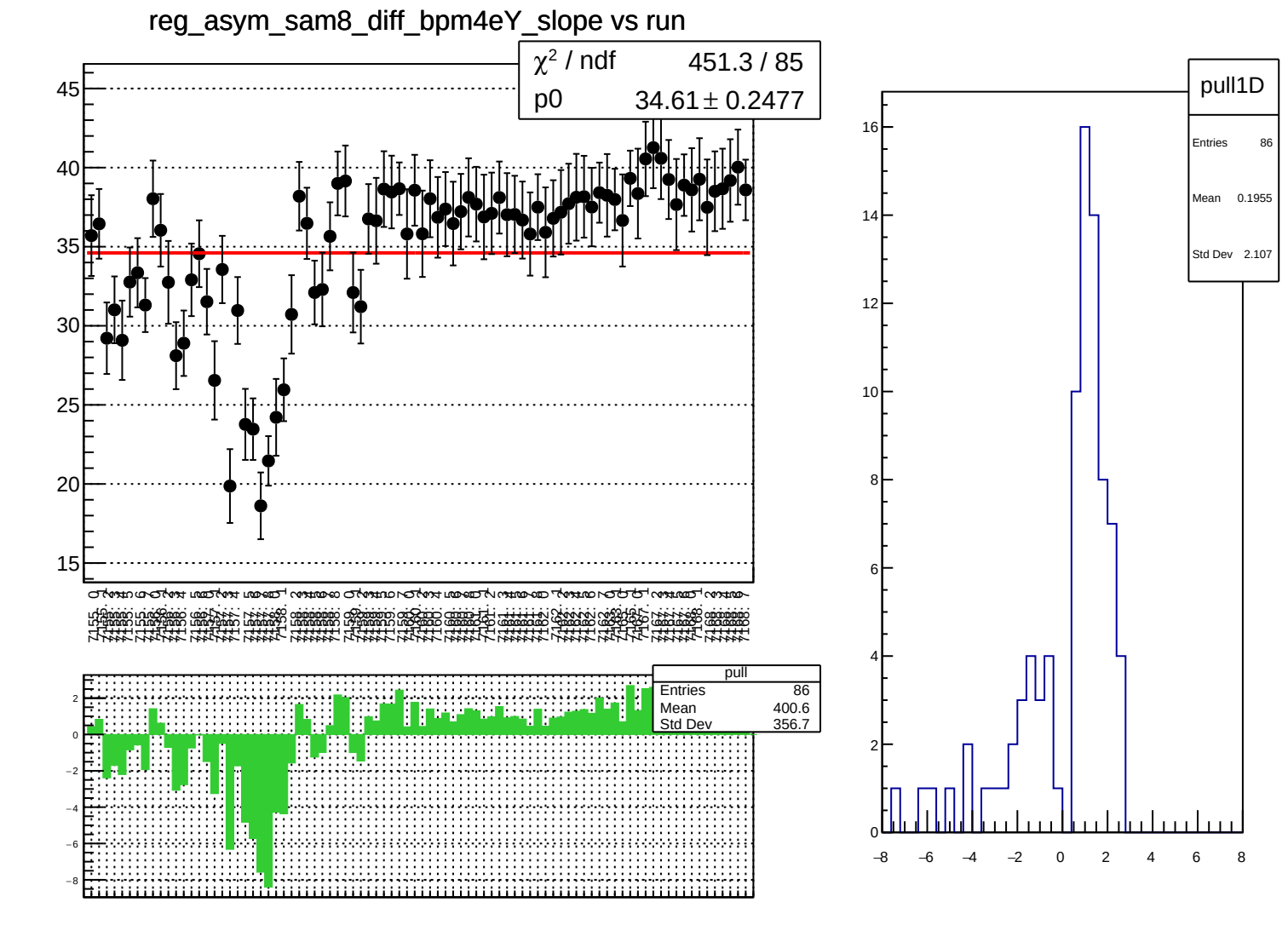

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 1040 / 85
p0 0.6841 ± 0.2513
pull
Entries 86
Mean 186.5
Std Dev 141.4

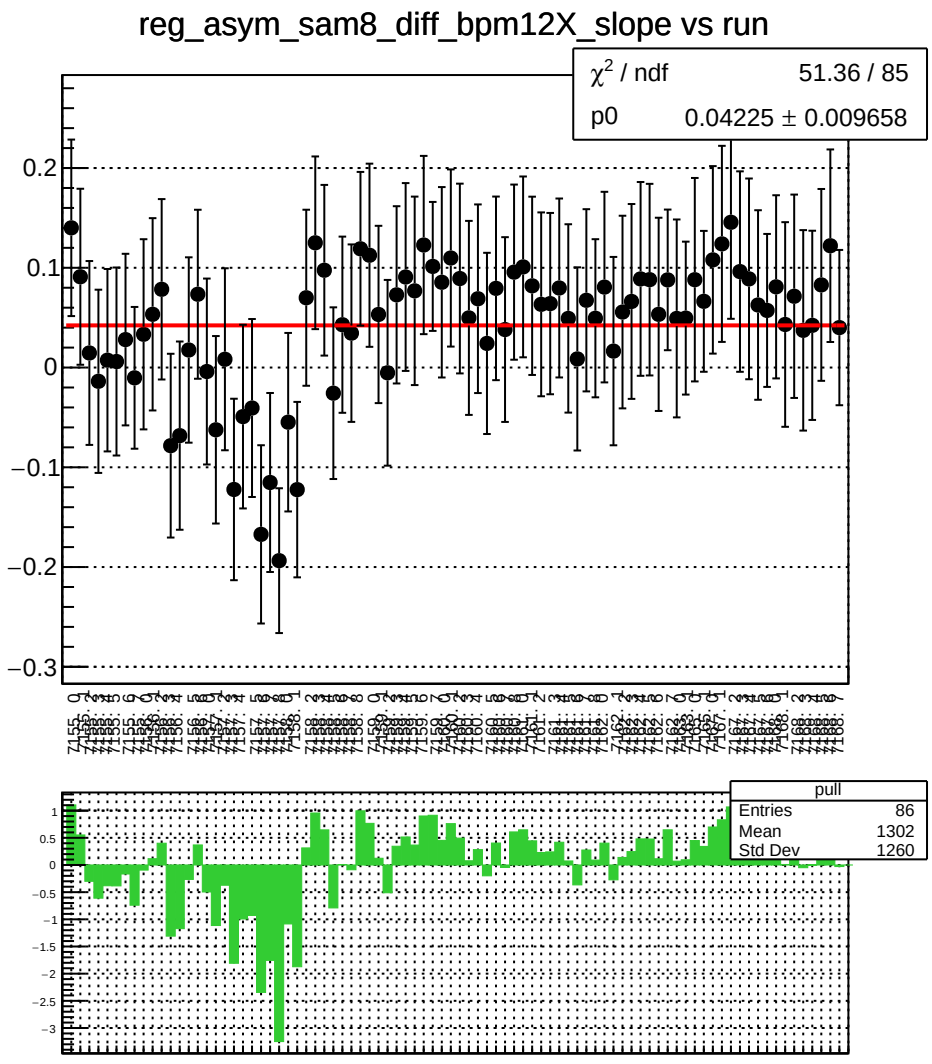

pull1D
Entries 86
Mean 0.8098
Std Dev 2.513

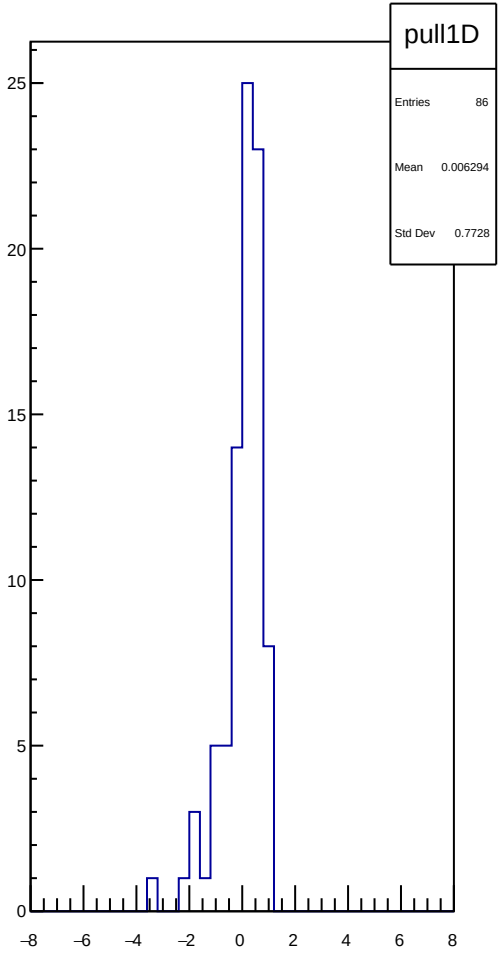

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 455.1 / 85
p0 −33.06 ± 0.2131
pull
Entries 86
Mean 1193
Std Dev 1149
pull1D
Entries 86
Mean −0.1271
Std Dev 2.132

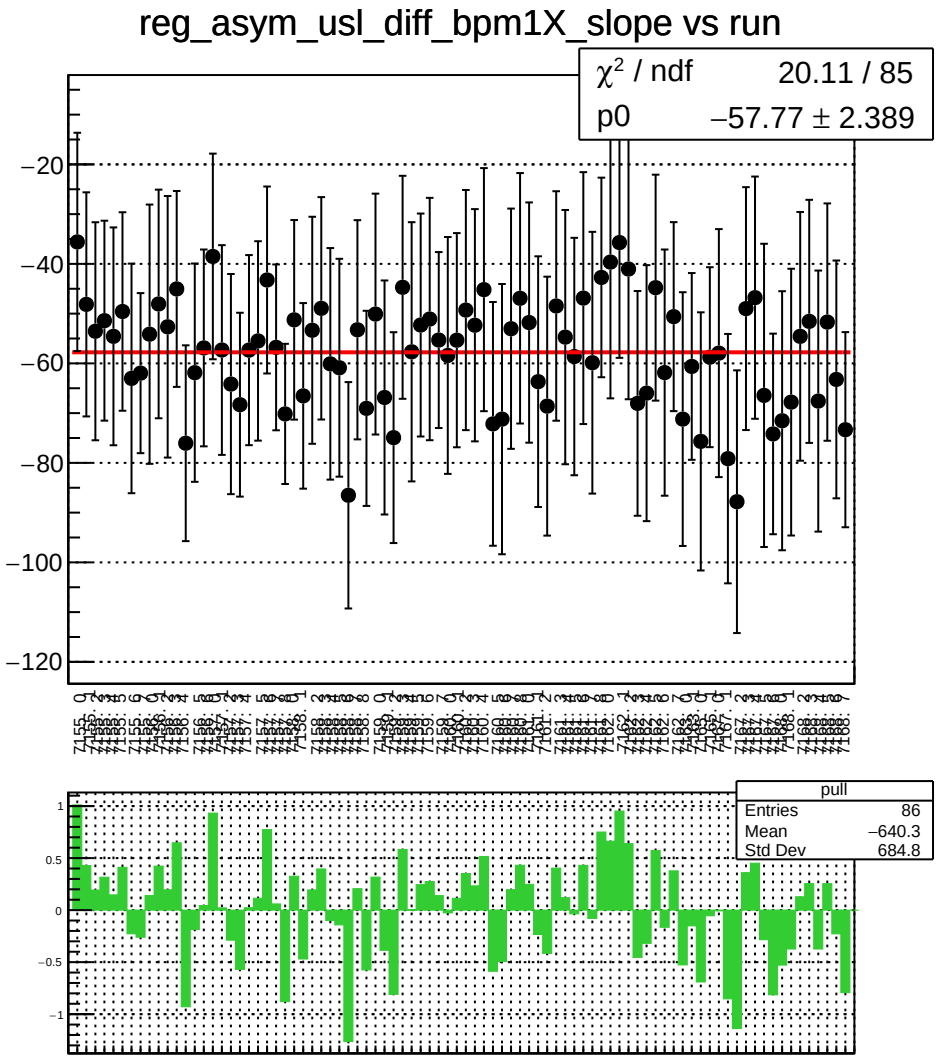

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 930.1 / 85
p0 −30.38 ± 0.2546
pull
Entries 86
Mean 188
Std Dev 143.2

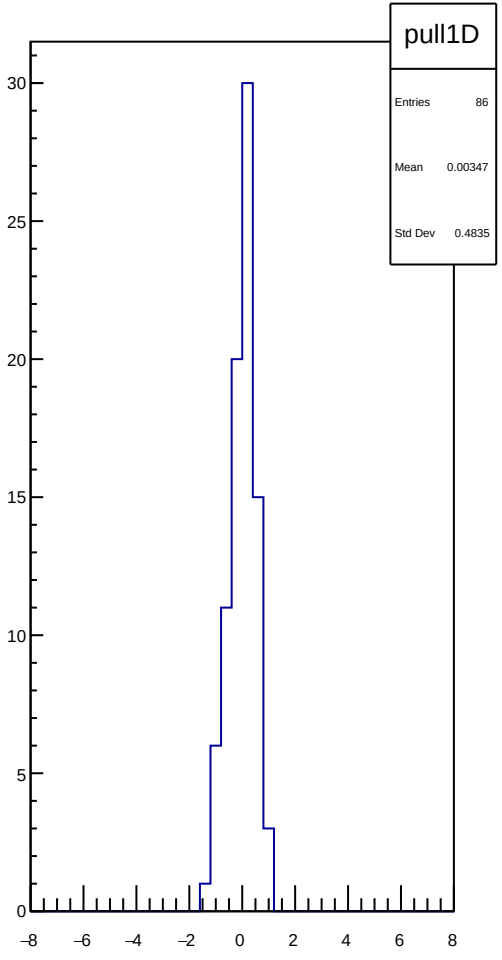

pull1D
Entries 86
Mean −0.7591
Std Dev 2.392

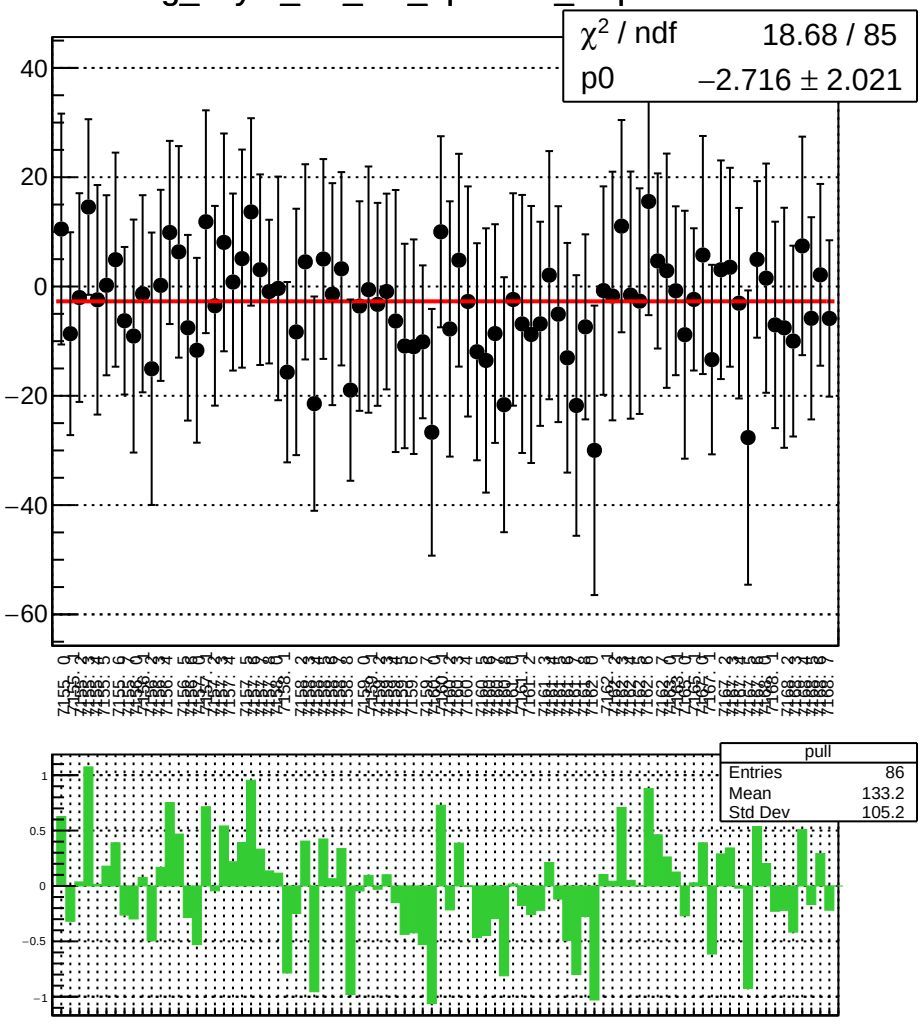

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 451.3 / 85
p0 34.61 ± 0.2477
pull
Entries 86
Mean 400.6
Std Dev 356.7
pull1D
Entries 86
Mean 0.1955
Std Dev 2.107

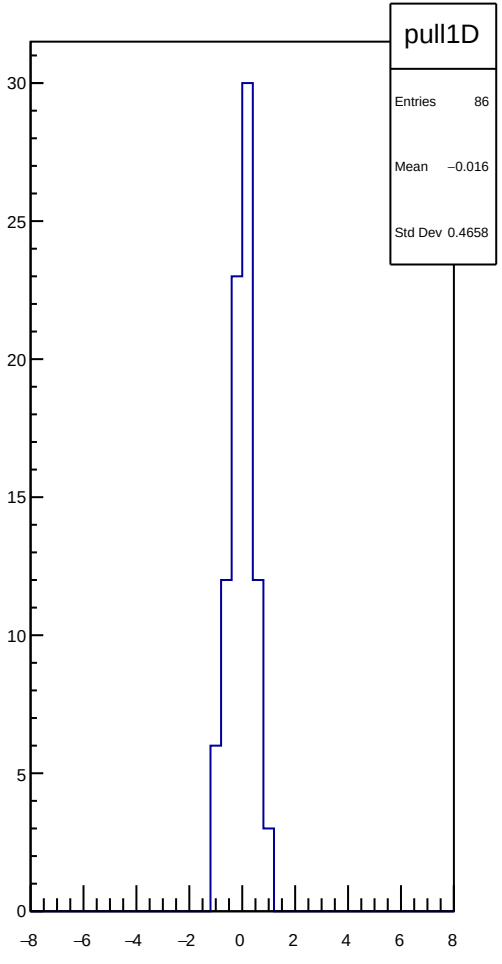

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 51.36 / 85
p0 0.04225 ± 0.009658
pull
Entries 86
Mean 1302
Std Dev 1260

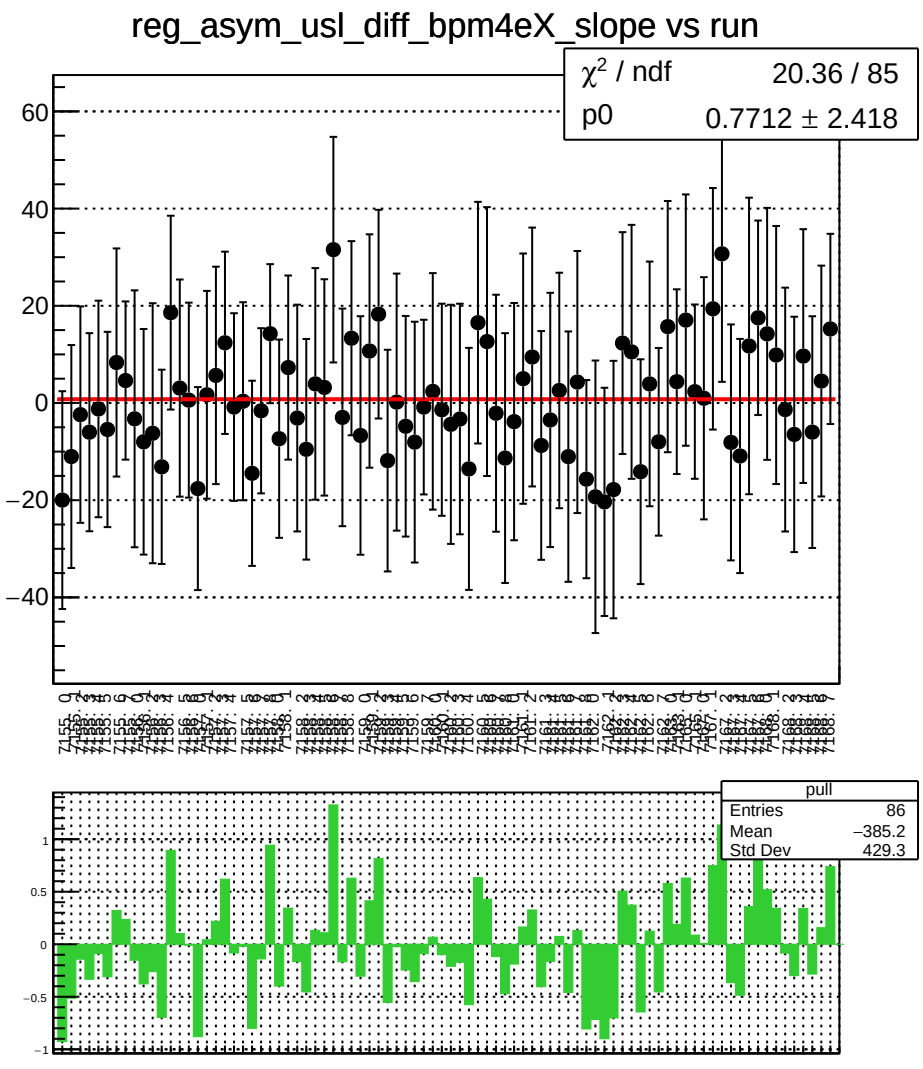

pull1D
Entries 86
Mean 0.006294
Std Dev 0.7728

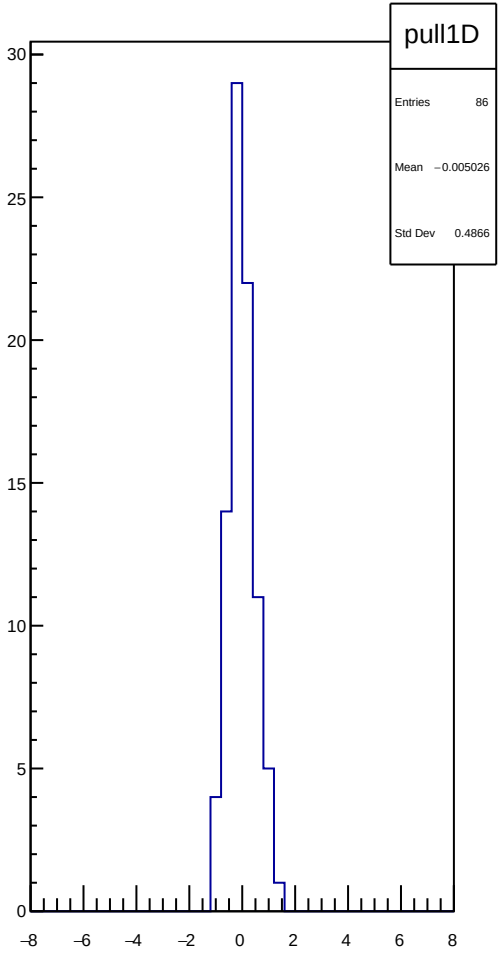

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 20.11 / 85
p0 −57.77 ± 2.389
pull
Entries 86
Mean −640.3
Std Dev 684.8

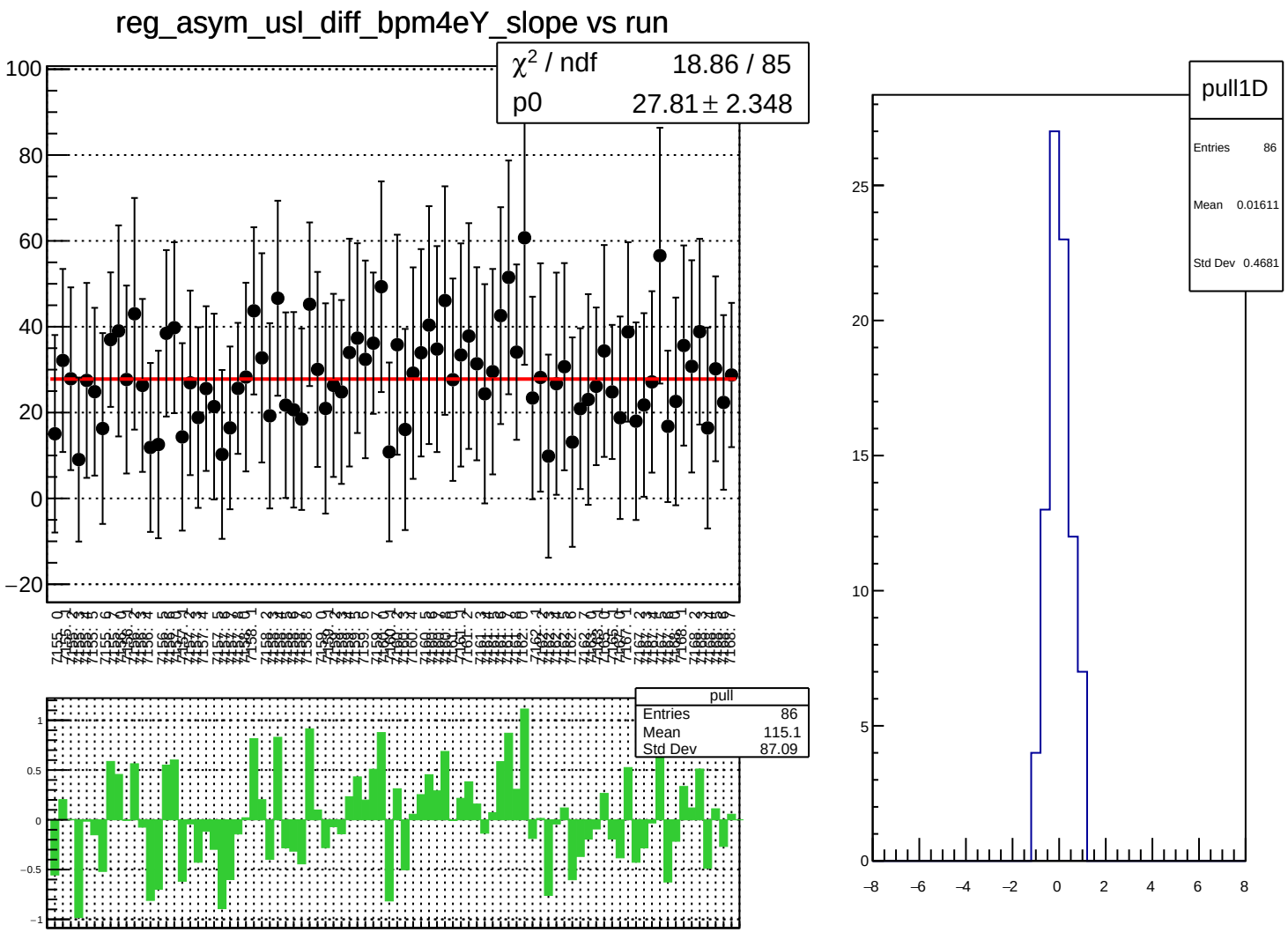

pull1D
Entries 86
Mean 0.00347
Std Dev 0.4835

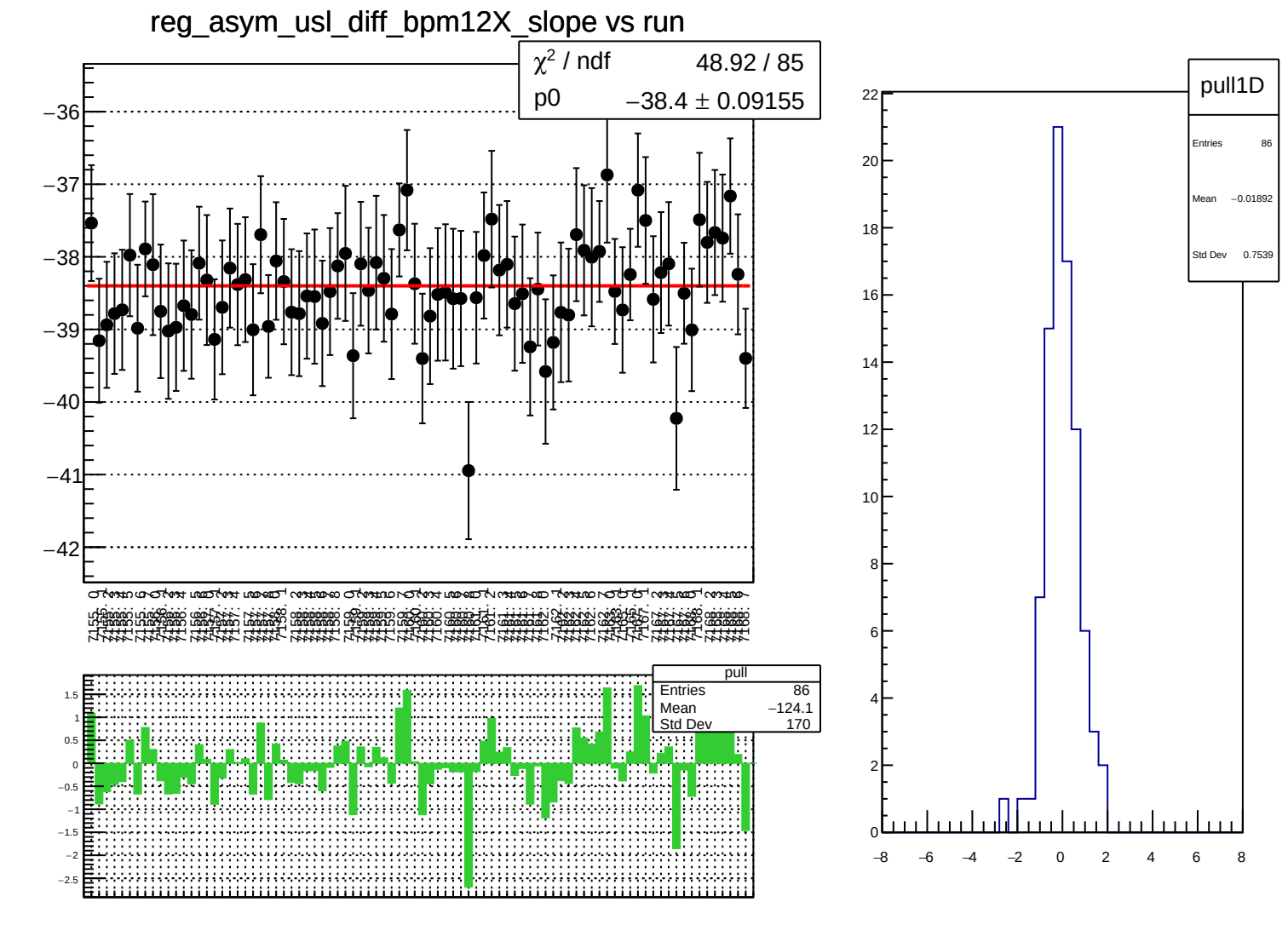

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 18.68 / 85
p0 −2.716 ± 2.021
pull
Entries 86
Mean 133.2
Std Dev 105.2

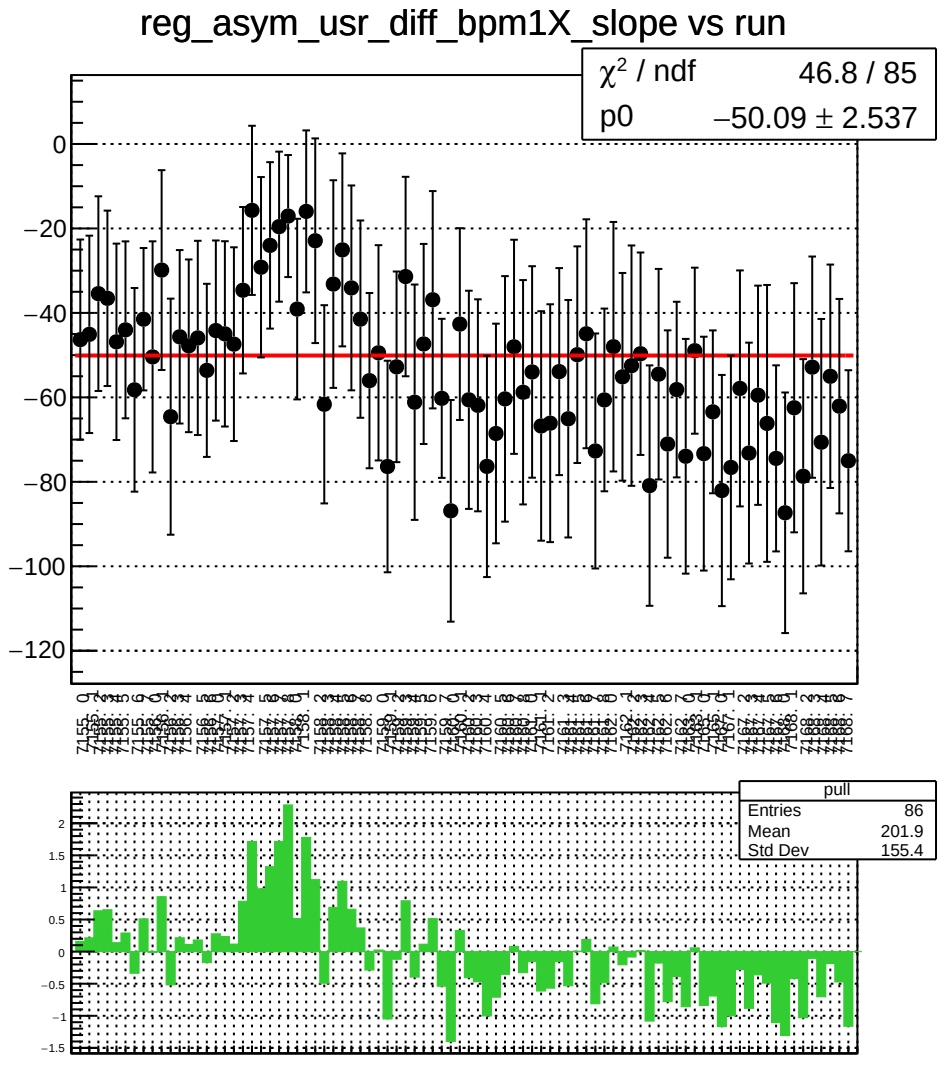

pull1D
Entries 86
Mean −0.016
Std Dev 0.4658

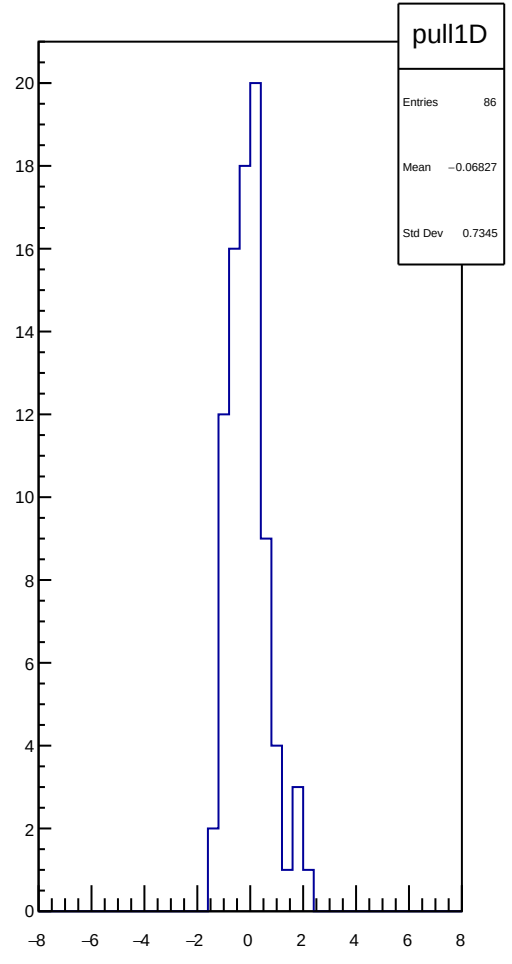

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 20.36 / 85
p0 0.7712 ± 2.418
pull
Entries 86
Mean −385.2
Std Dev 429.3

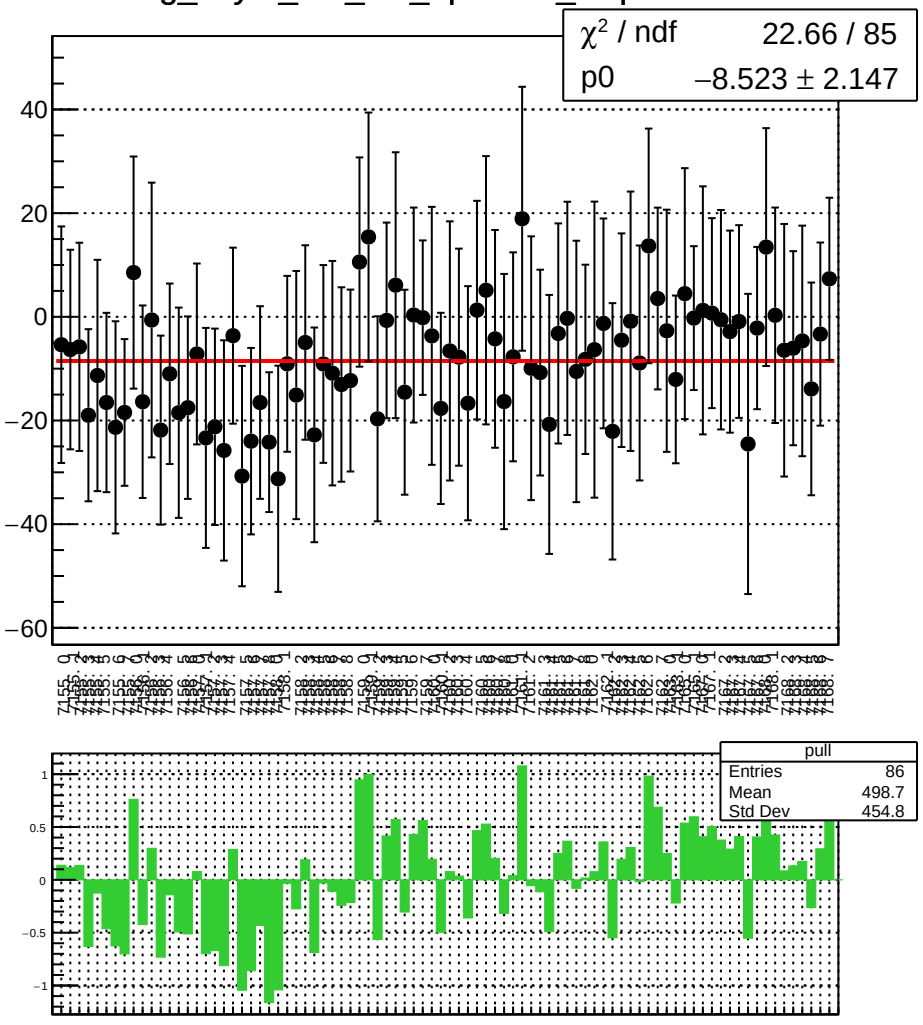

pull1D
Entries 86
Mean −0.005026
Std Dev 0.4866

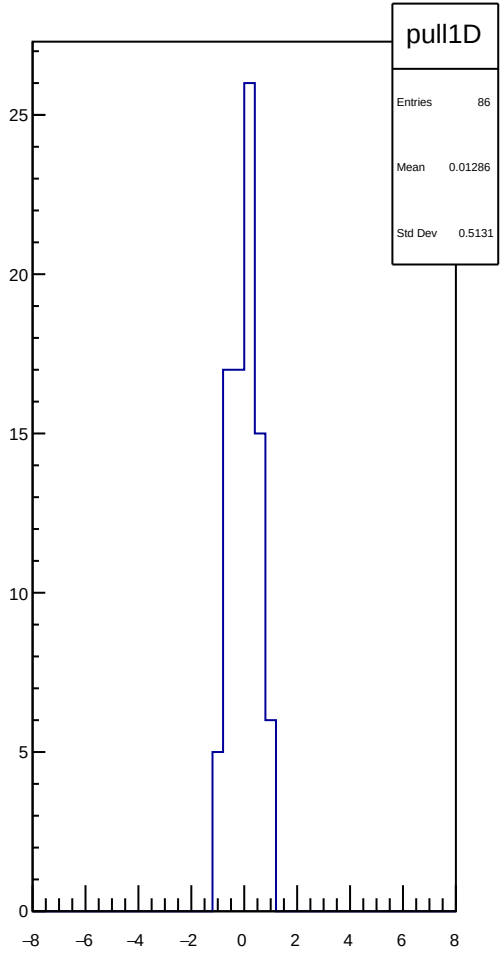

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 18.86 / 85
p0 27.81 ± 2.348
pull
Entries 86
Mean 115.1
Std Dev 87.09
pull1D
Entries 86
Mean 0.01611
Std Dev 0.4681

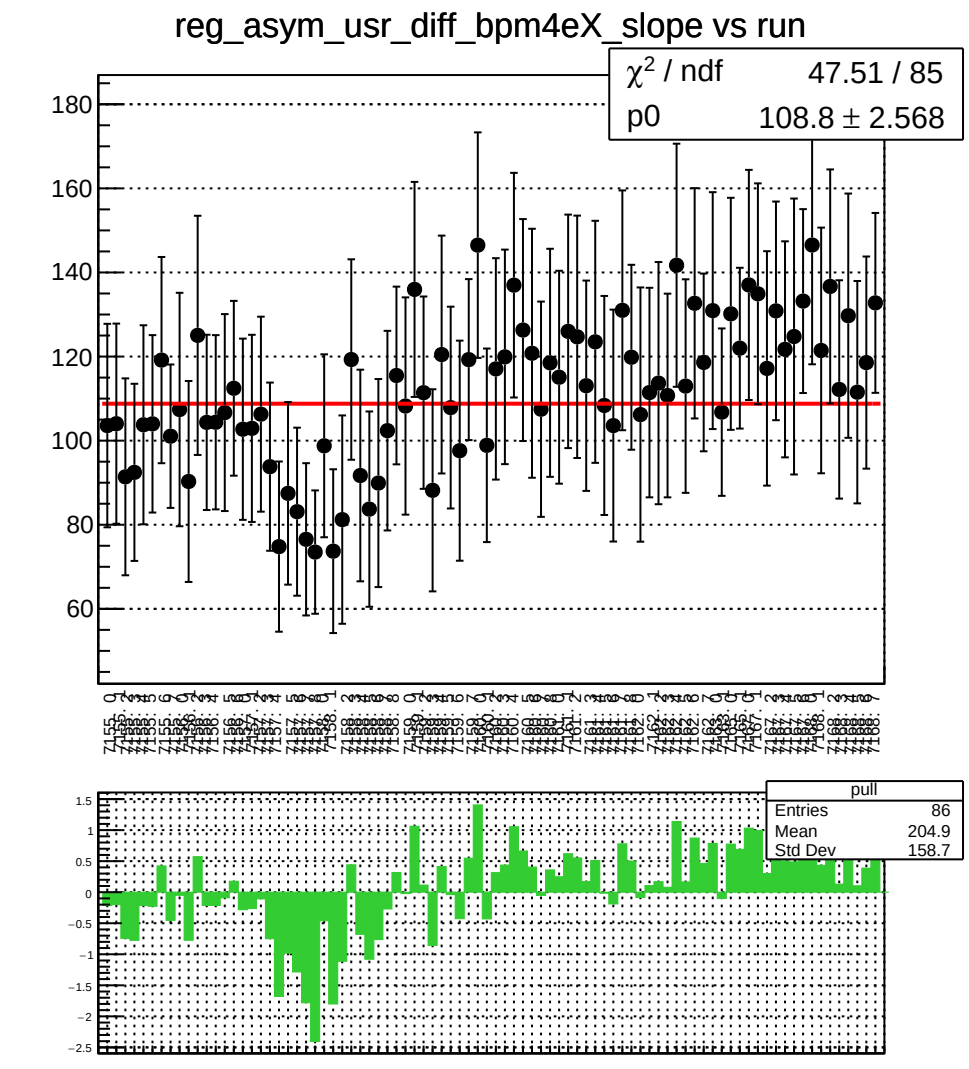

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 48.92 / 85
p0 −38.4 ± 0.09155
−36
−37
−38
−39
−40
−41
−42
pull
Entries 86
Mean −124.1
Std Dev 170
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 86
Mean −0.01892
Std Dev 0.7539
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

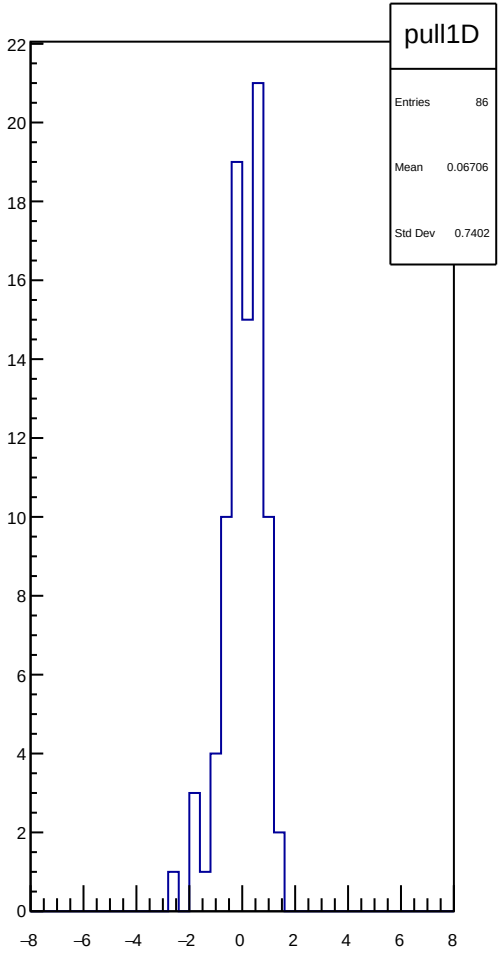

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 46.8 / 85
p0 −50.09 ± 2.537
pull
Entries 86
Mean 201.9
Std Dev 155.4

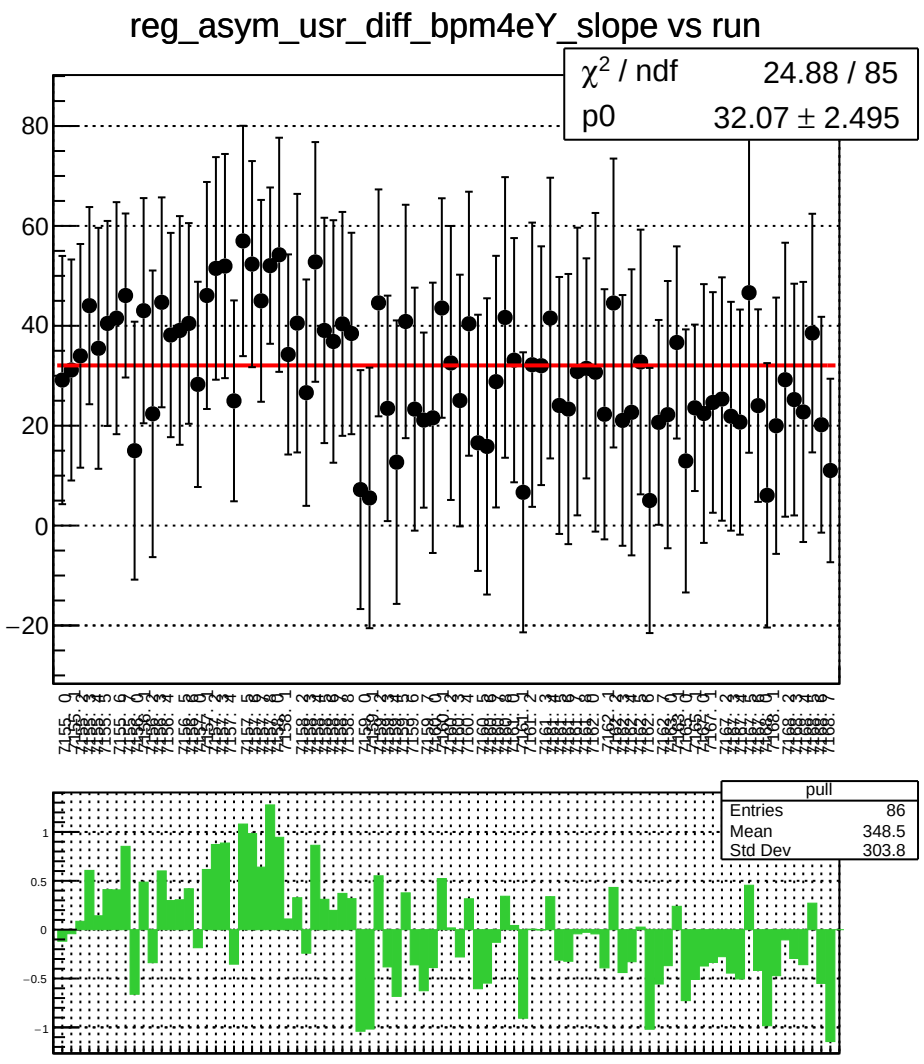

pull1D
Entries 86
Mean −0.06827
Std Dev 0.7345

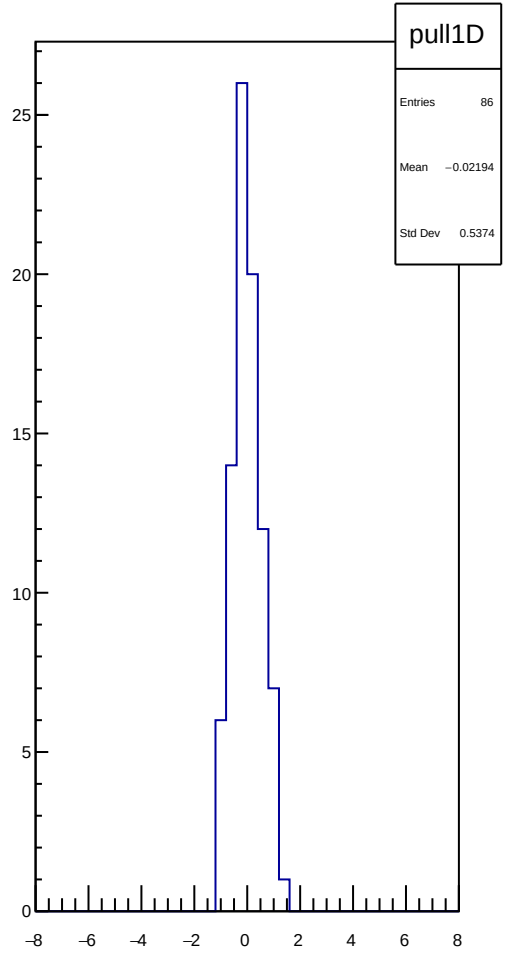

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 22.66 / 85
p0 −8.523 ± 2.147
pull
Entries 86
Mean 498.7
Std Dev 454.8

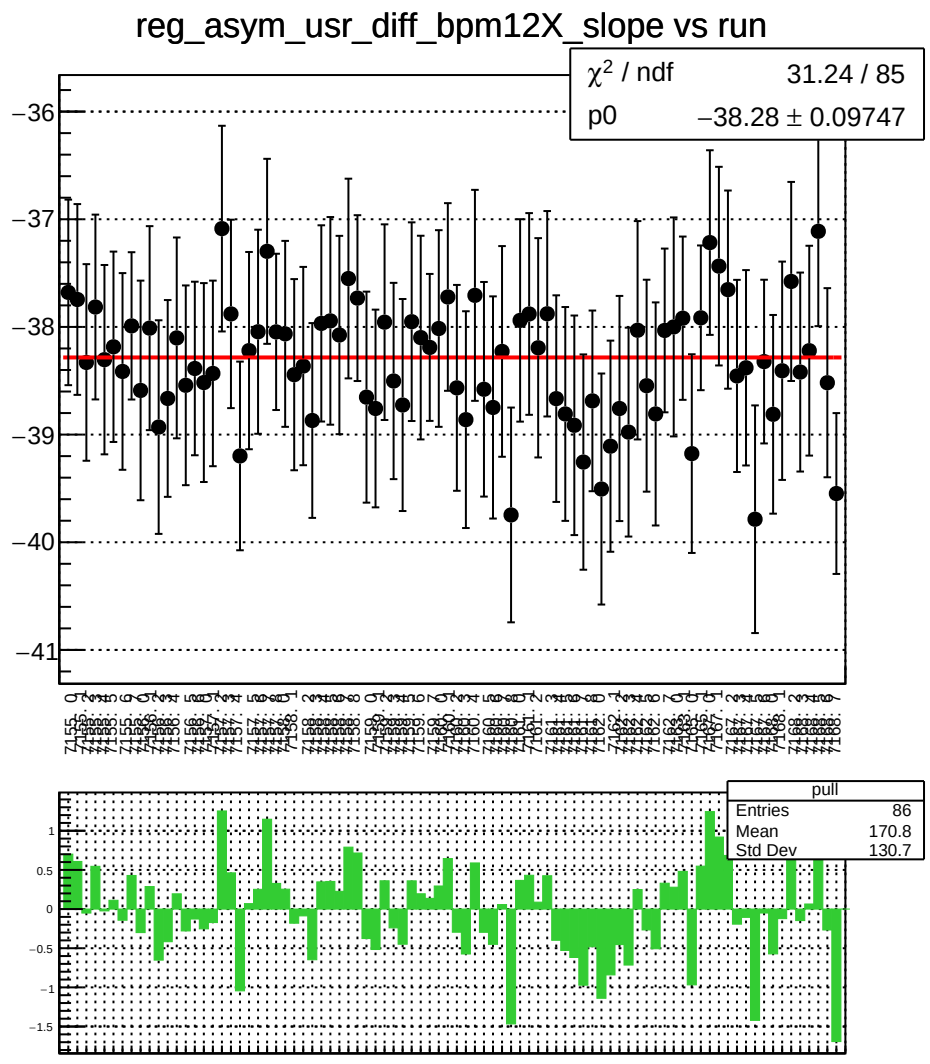

pull1D
Entries 86
Mean 0.01286
Std Dev 0.5131

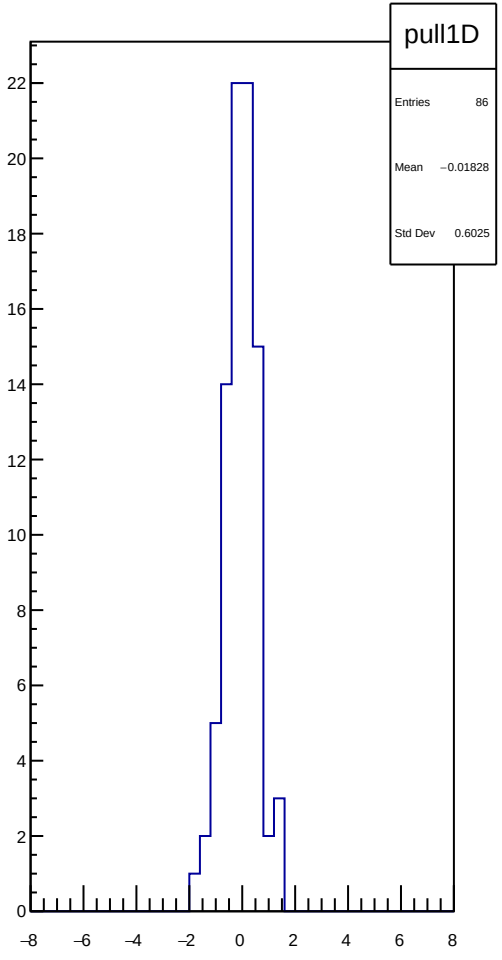

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 47.51 / 85
p0 108.8 ± 2.568
pull
Entries 86
Mean 204.9
Std Dev 158.7

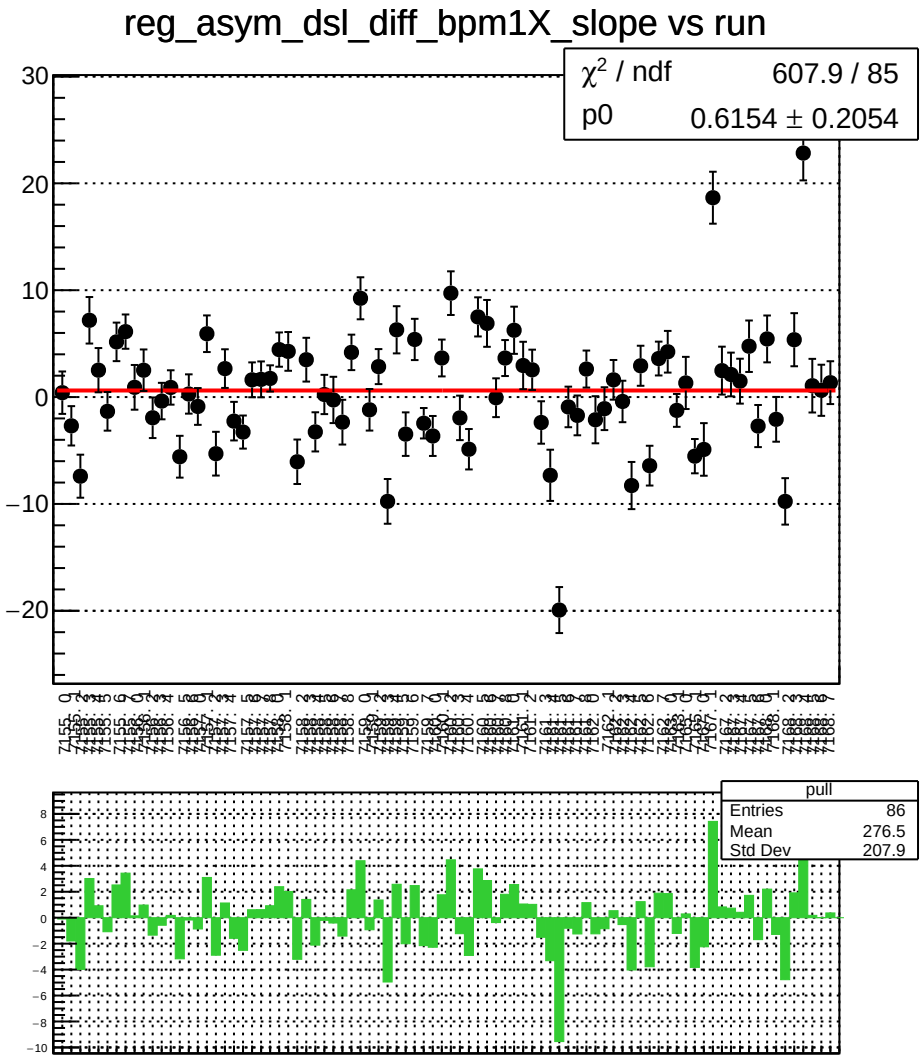

pull1D
Entries 86
Mean 0.06706
Std Dev 0.7402

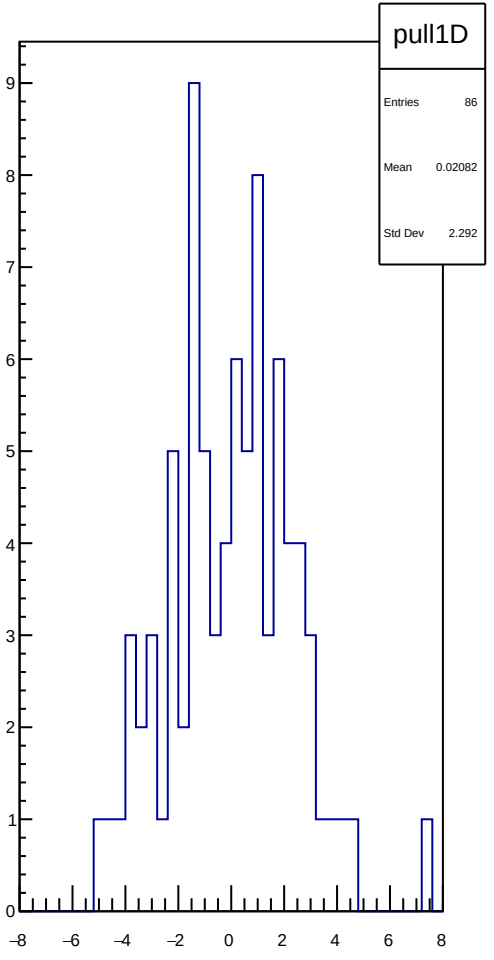

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 24.88 / 85
p0 32.07 ± 2.495
pull
Entries 86
Mean 348.5
Std Dev 303.8

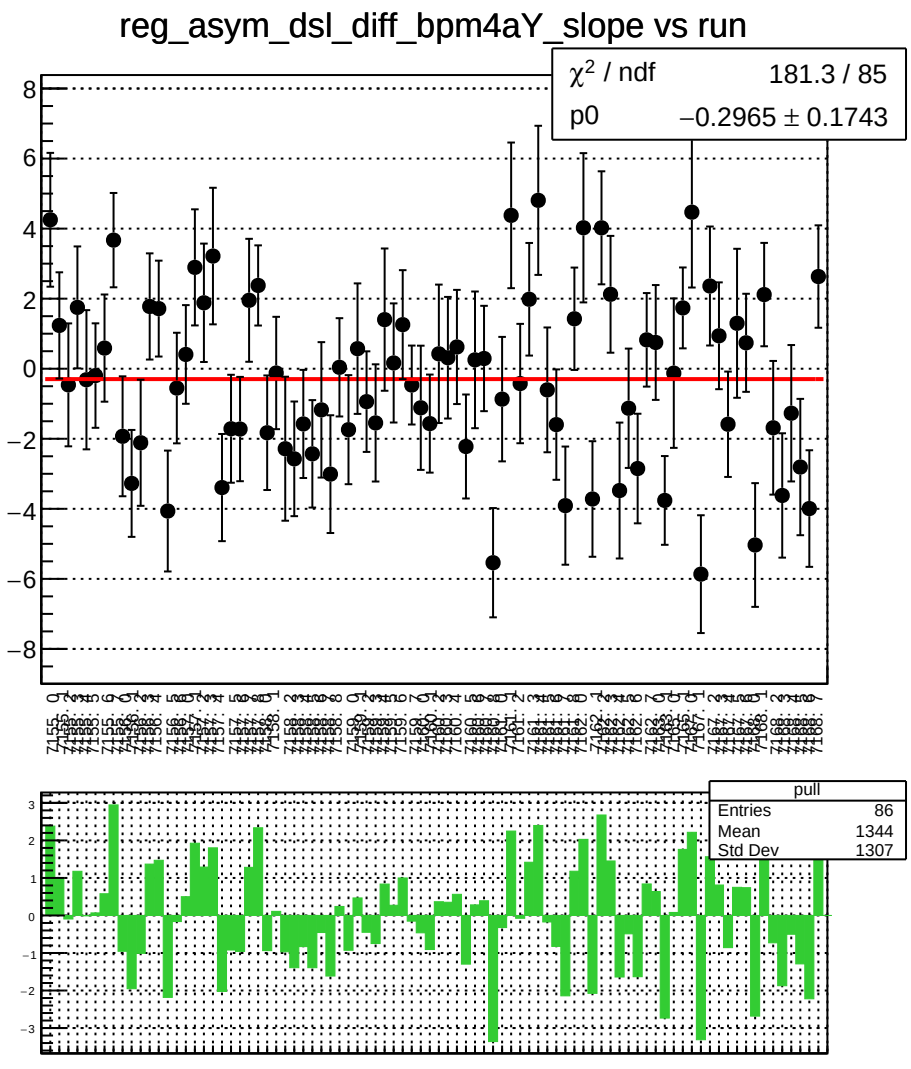

pull1D
Entries 86
Mean −0.02194
Std Dev 0.5374

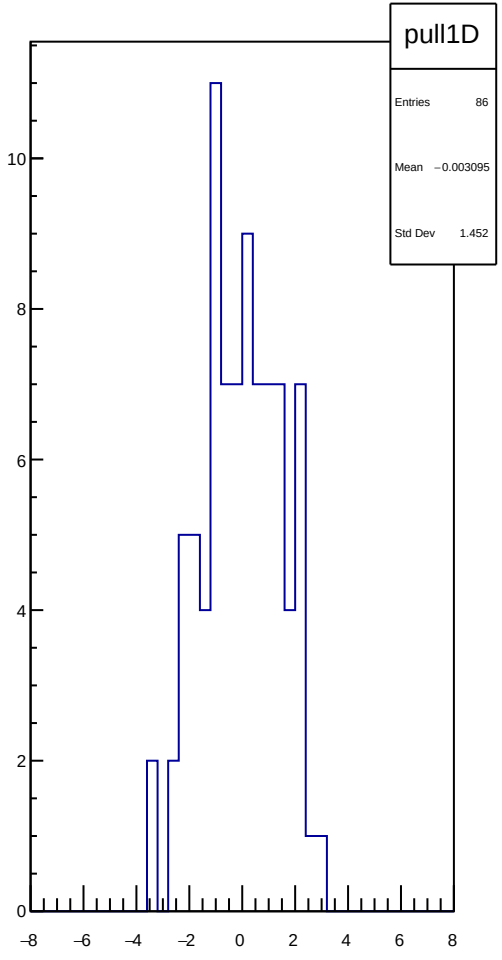

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 31.24 / 85
p0 −38.28 ± 0.09747
−36
−37
−38
−39
−40
−41
pull
Entries 86
Mean 170.8
Std Dev 130.7
1
0.5
0
−0.5
−1
−1.5

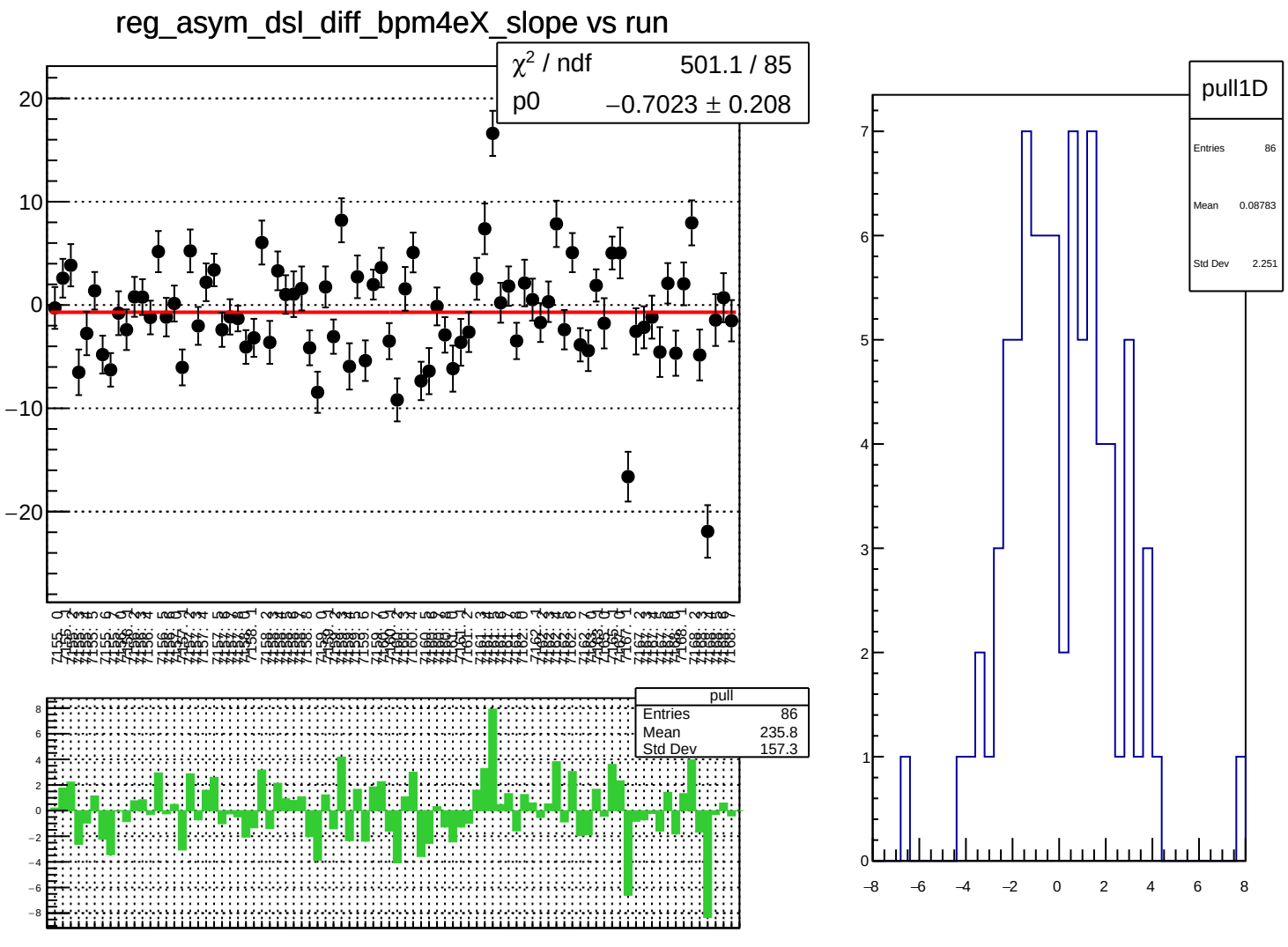

pull1D
Entries 86
Mean −0.01828
Std Dev 0.6025
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

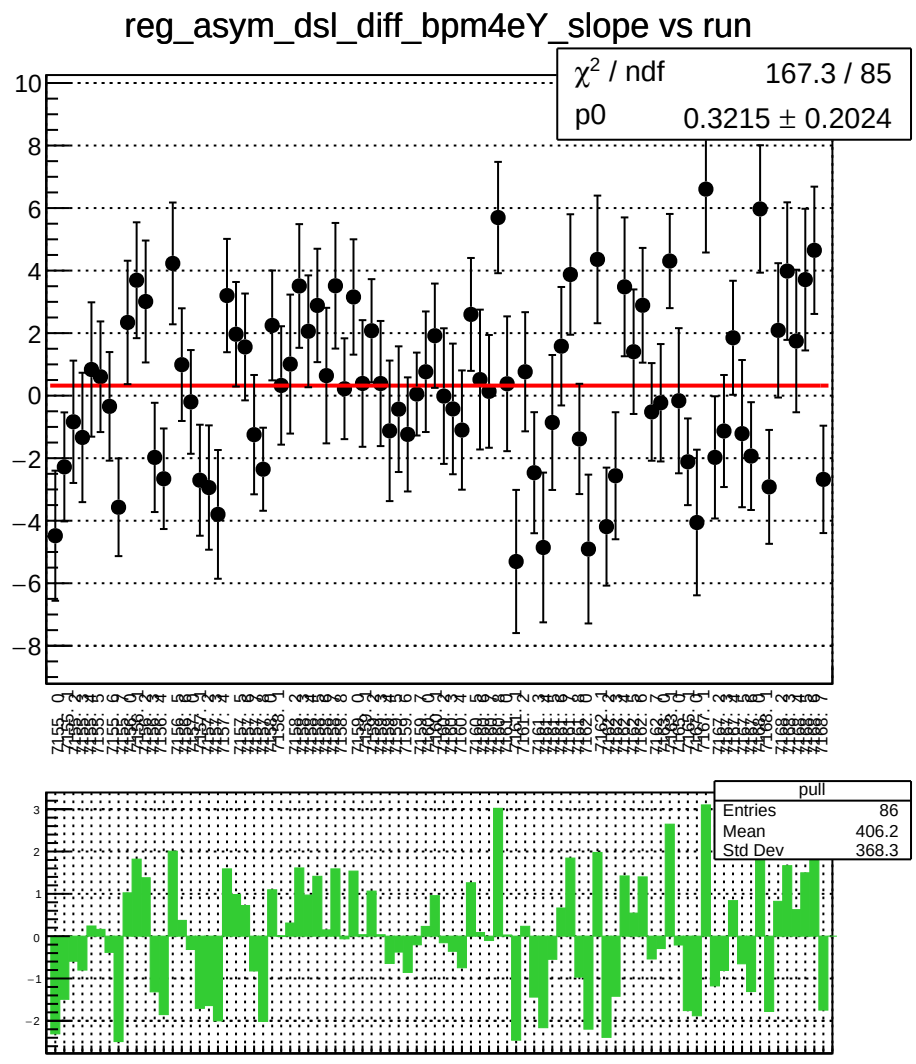

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 607.9 / 85
p0 0.6154 ± 0.2054
pull
Entries 86
Mean 276.5
Std Dev 207.9

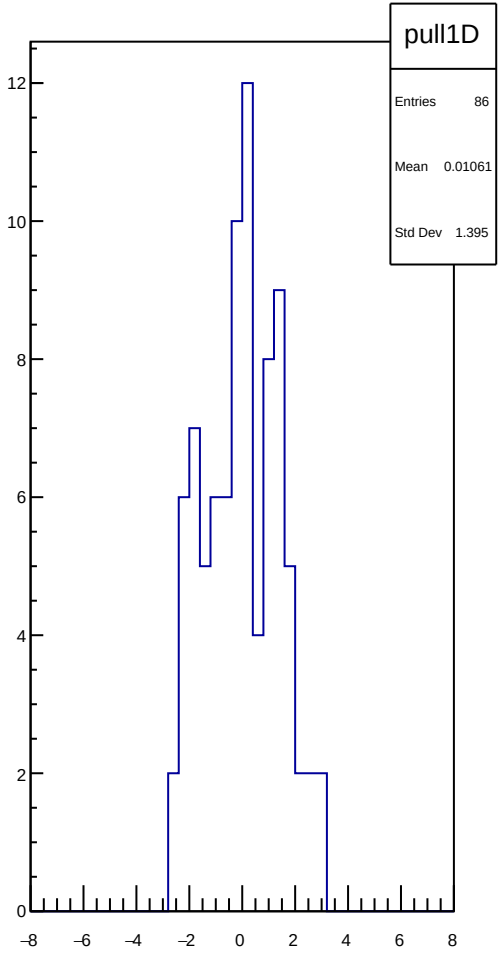

pull1D
Entries 86
Mean 0.02082
Std Dev 2.292

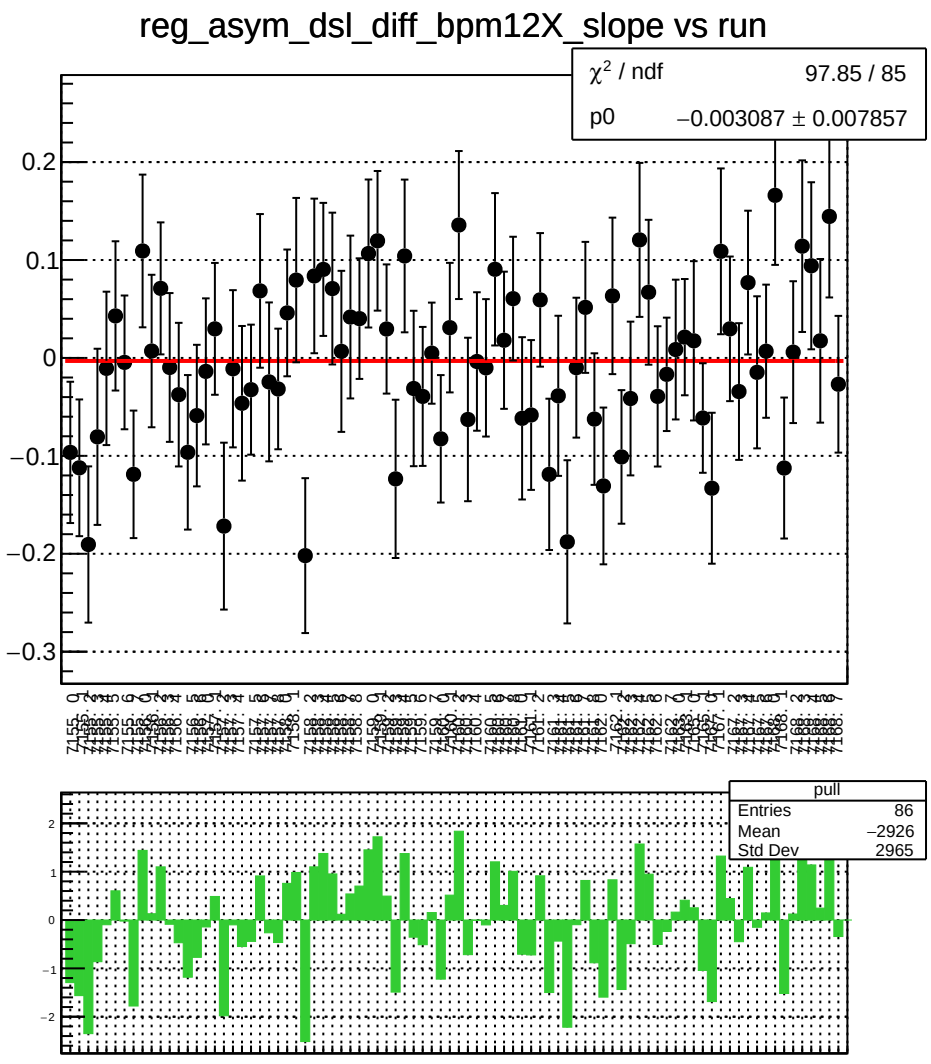

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 181.3 / 85
p0 −0.2965 ± 0.1743
pull
Entries 86
Mean 1344
Std Dev 1307

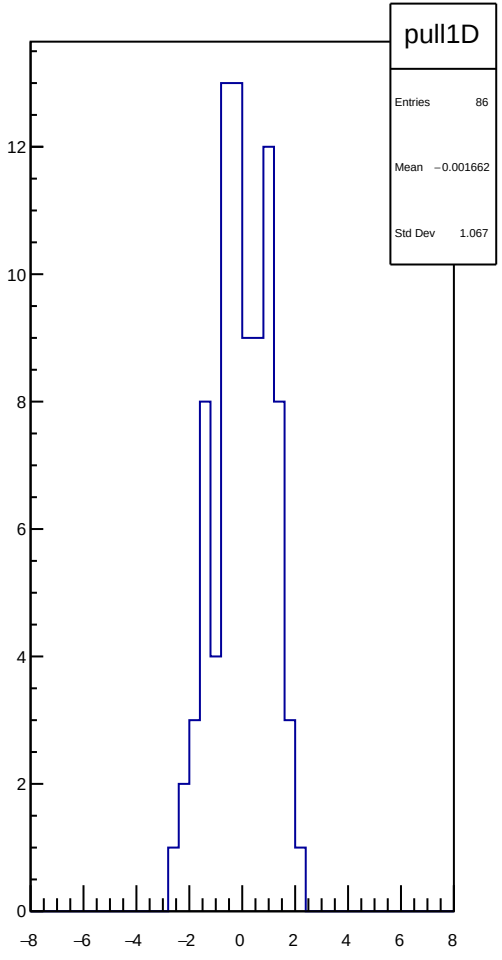

pull1D
Entries 86
Mean −0.003095
Std Dev 1.452

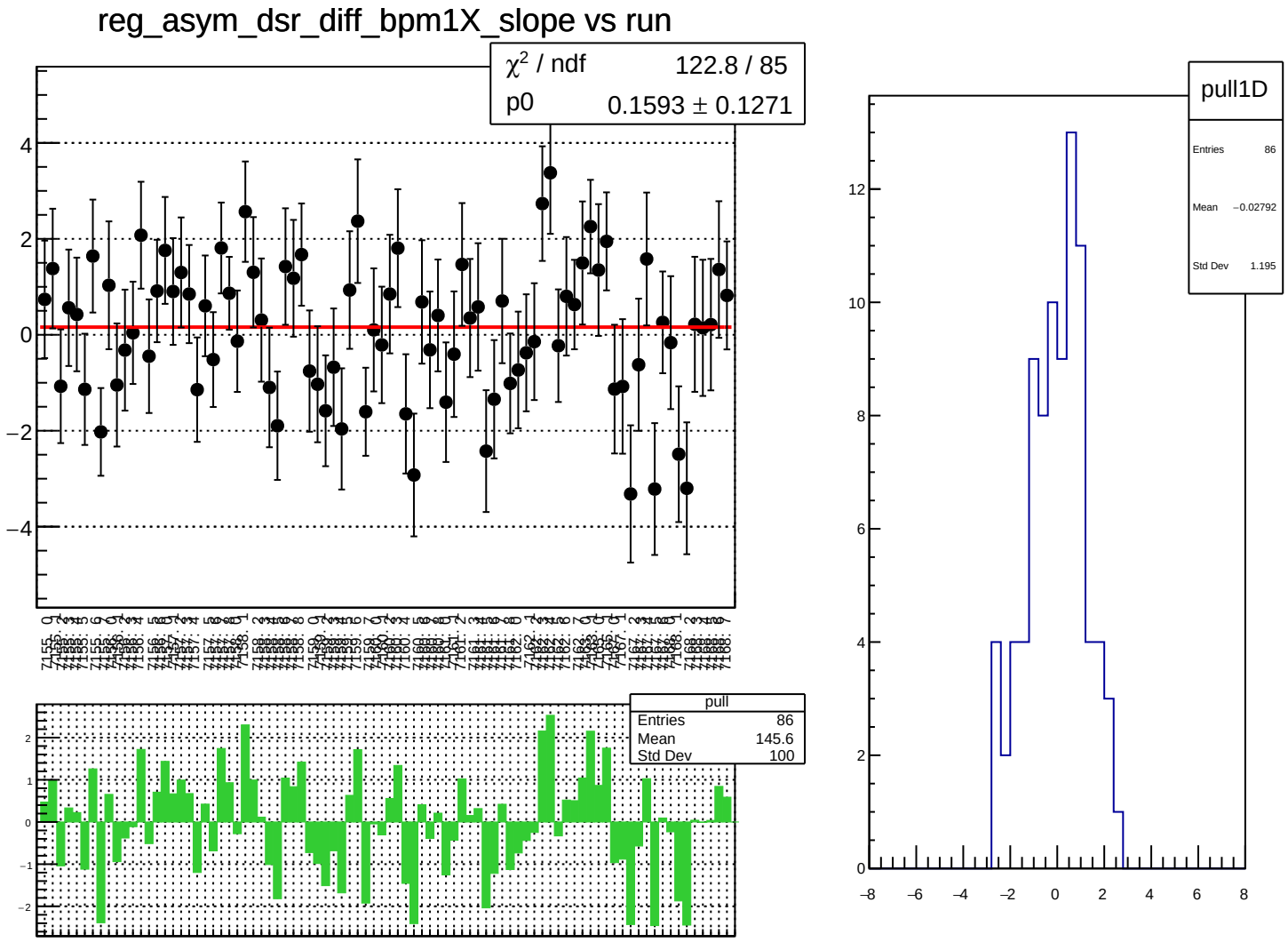

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 501.1 / 85
p0 −0.7023 ± 0.208
pull
Entries 86
Mean 235.8
Std Dev 157.3
pull1D
Entries 86
Mean 0.08783
Std Dev 2.251

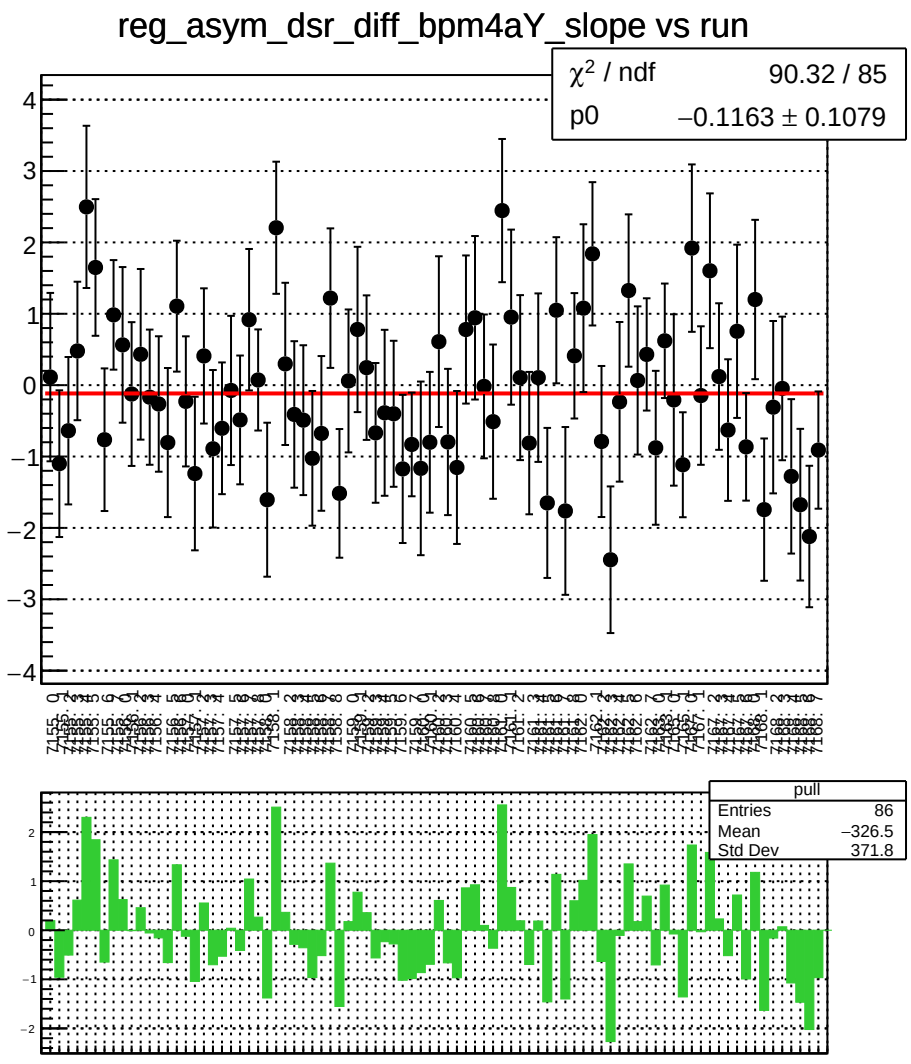

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 167.3 / 85
p0 0.3215 ± 0.2024
pull
Entries 86
Mean 406.2
Std Dev 368.3

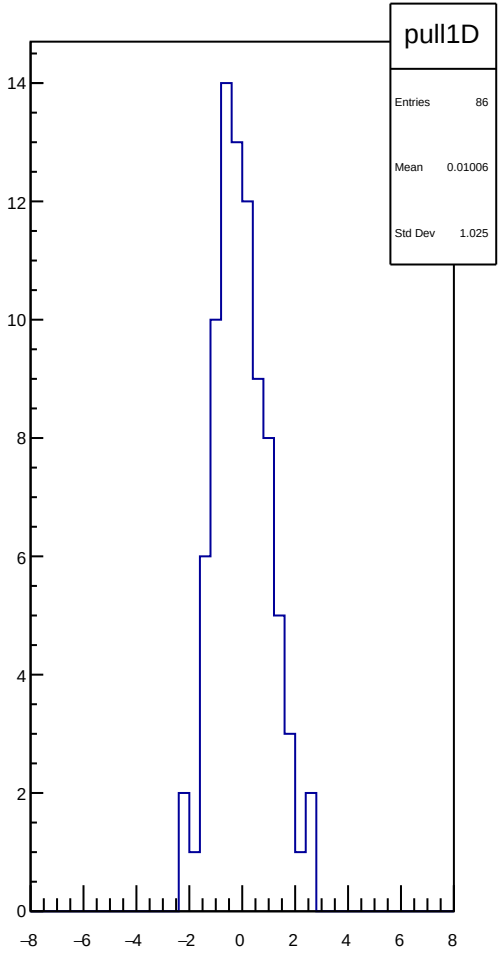

pull1D
Entries 86
Mean 0.01061
Std Dev 1.395

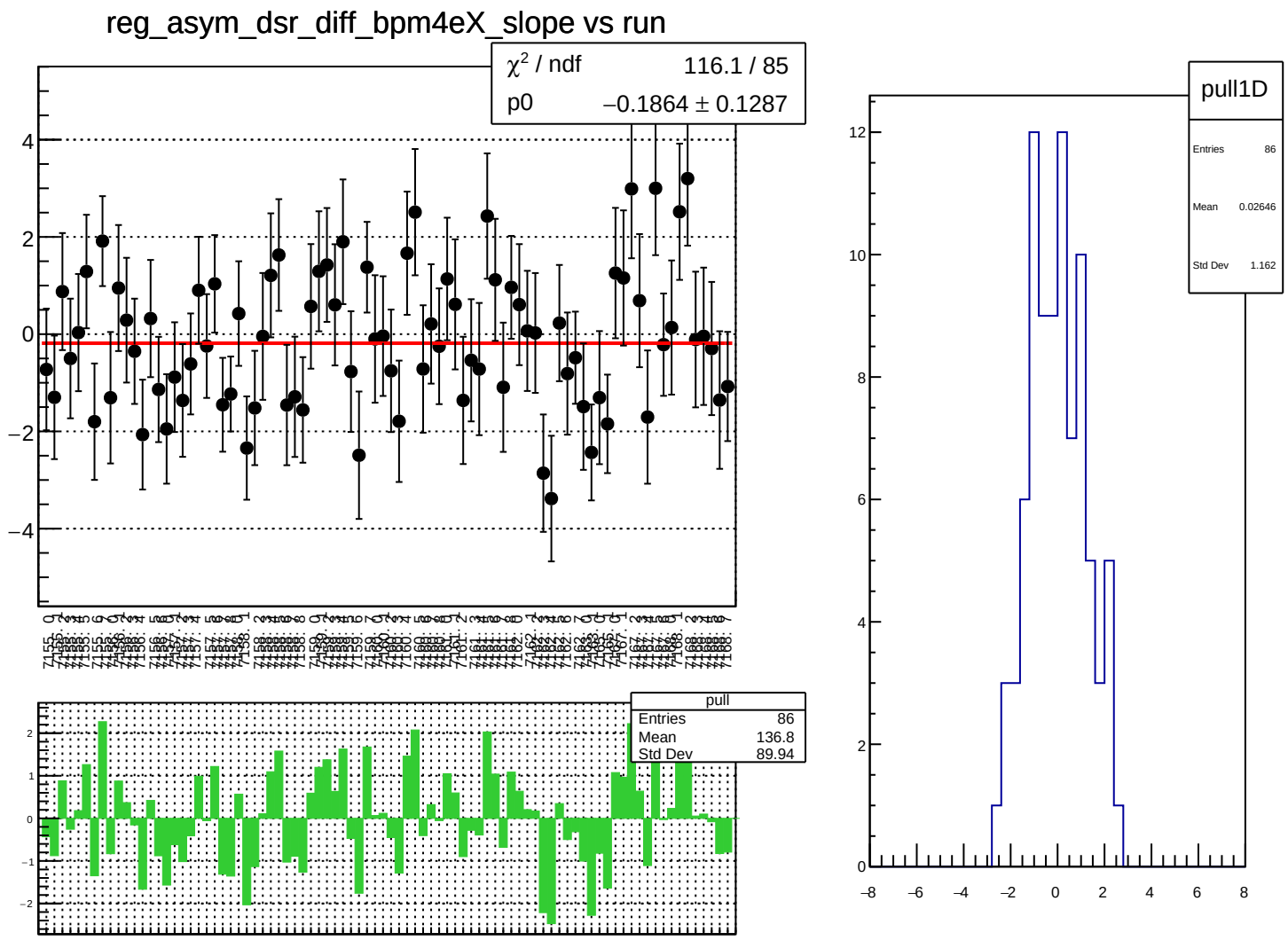

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 97.85 / 85
p0 −0.003087 ± 0.007857
pull
Entries 86
Mean −2926
Std Dev 2965

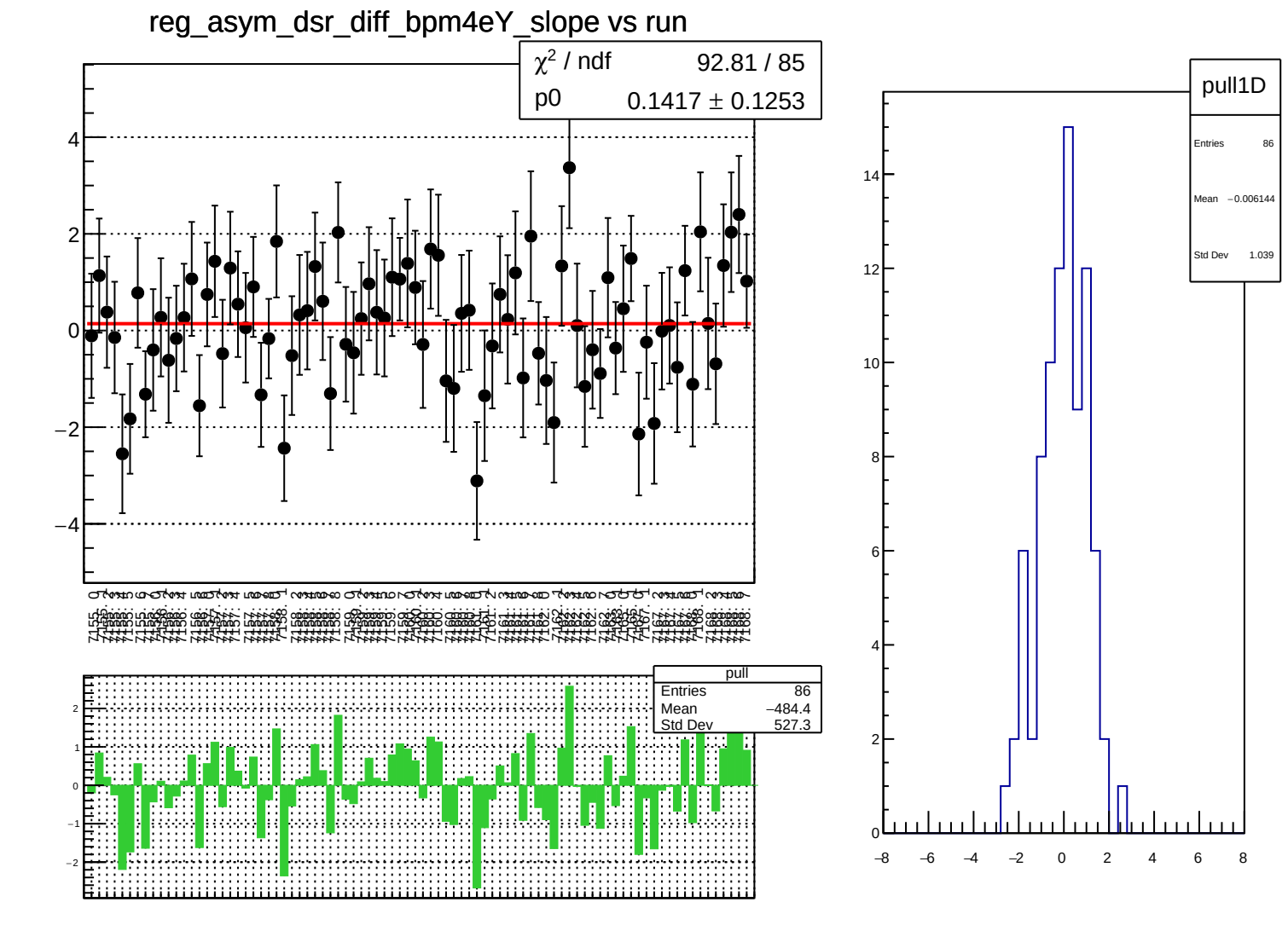

pull1D
Entries 86
Mean −0.001662
Std Dev 1.067

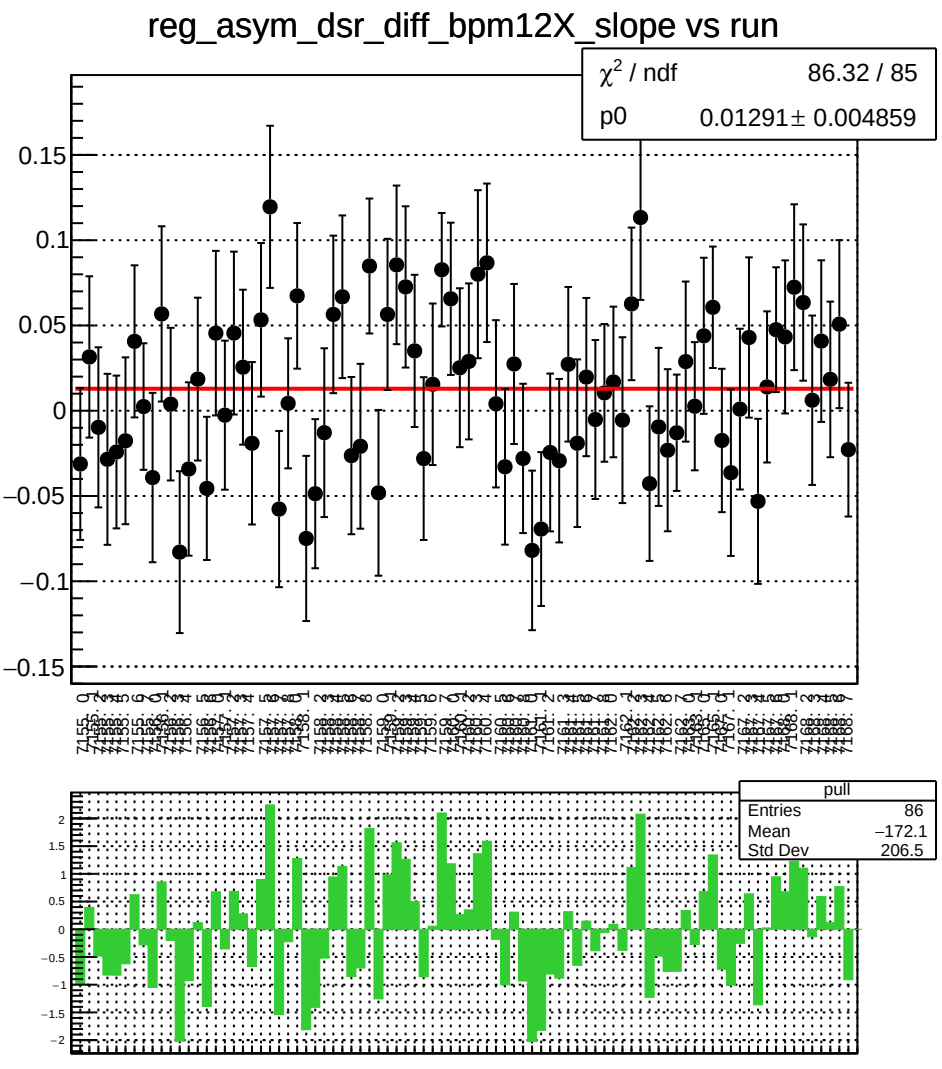

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 122.8 / 85
p0 0.1593 ± 0.1271
pull
Entries 86
Mean 145.6
Std Dev 100
pull1D
Entries 86
Mean −0.02792
Std Dev 1.195

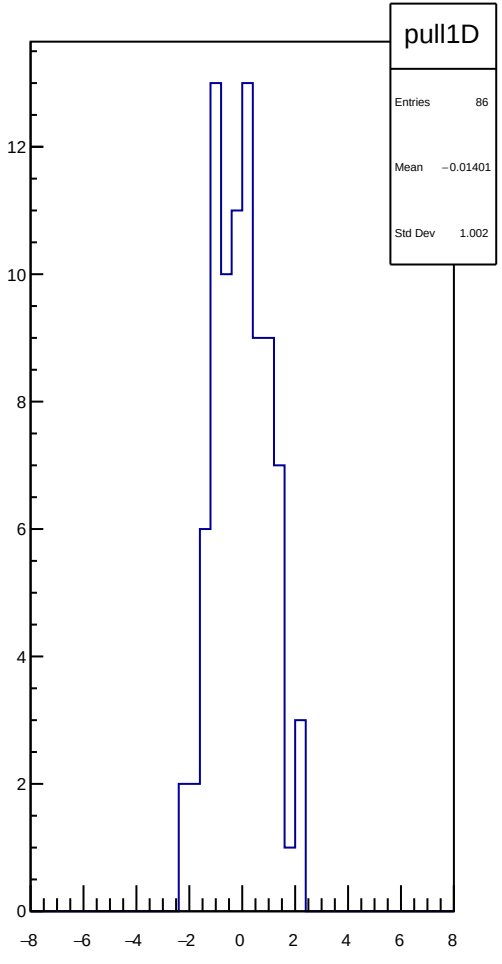

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 90.32 / 85
p0 −0.1163 ± 0.1079
pull
Entries 86
Mean −326.5
Std Dev 371.8

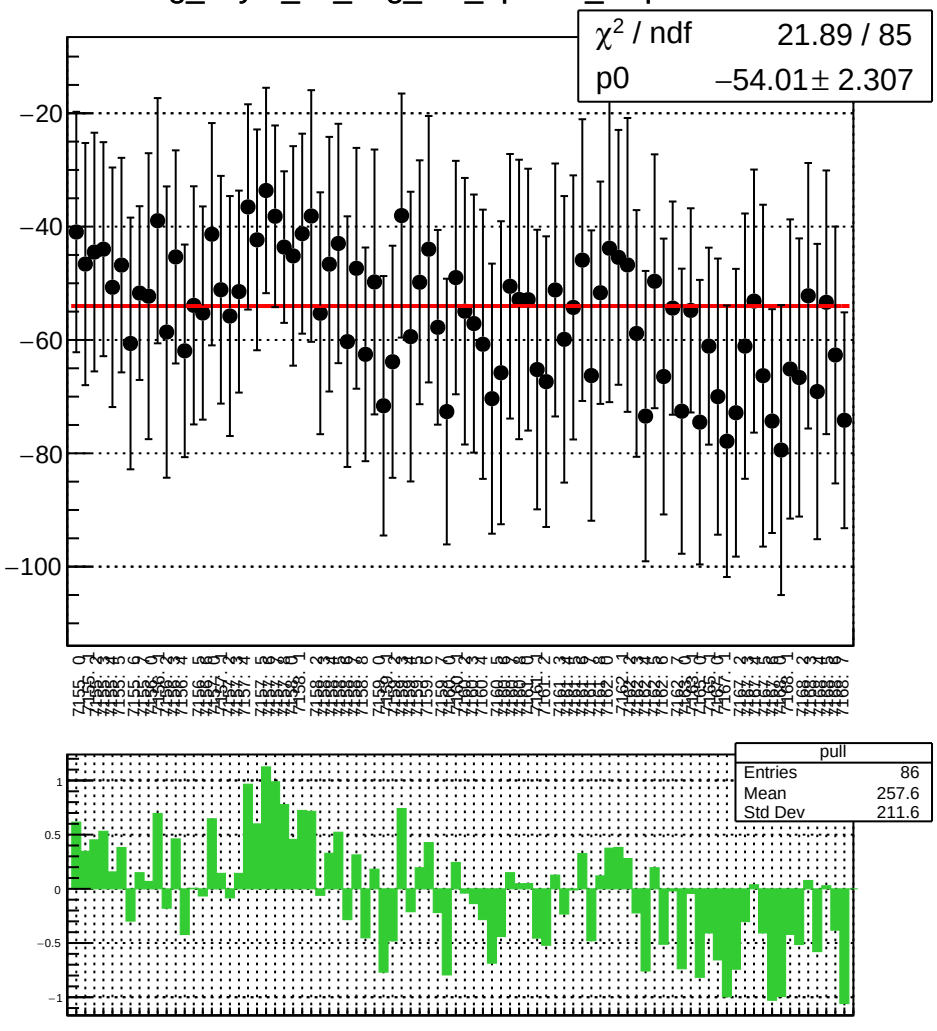

pull1D
Entries 86
Mean 0.01006
Std Dev 1.025

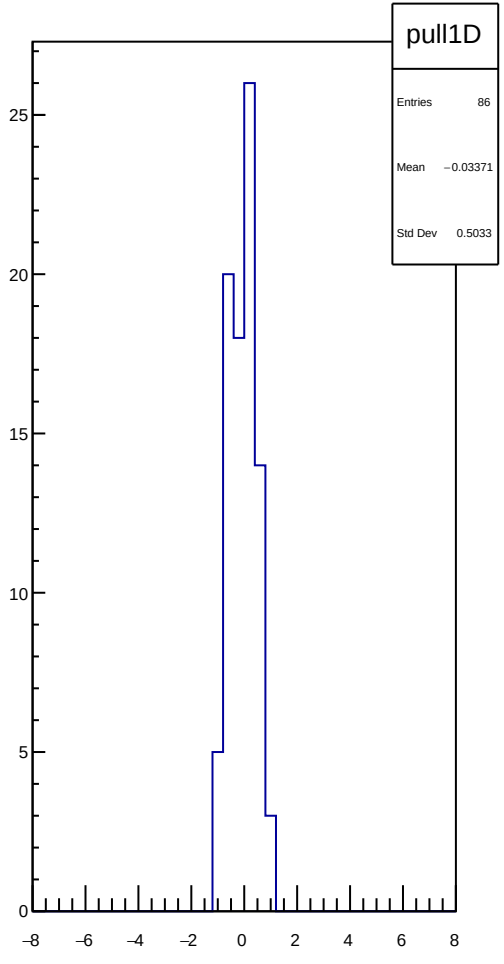

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 116.1 / 85
p0 −0.1864 ± 0.1287
pull
Entries 86
Mean 136.8
Std Dev 89.94
pull1D
Entries 86
Mean 0.02646
Std Dev 1.162

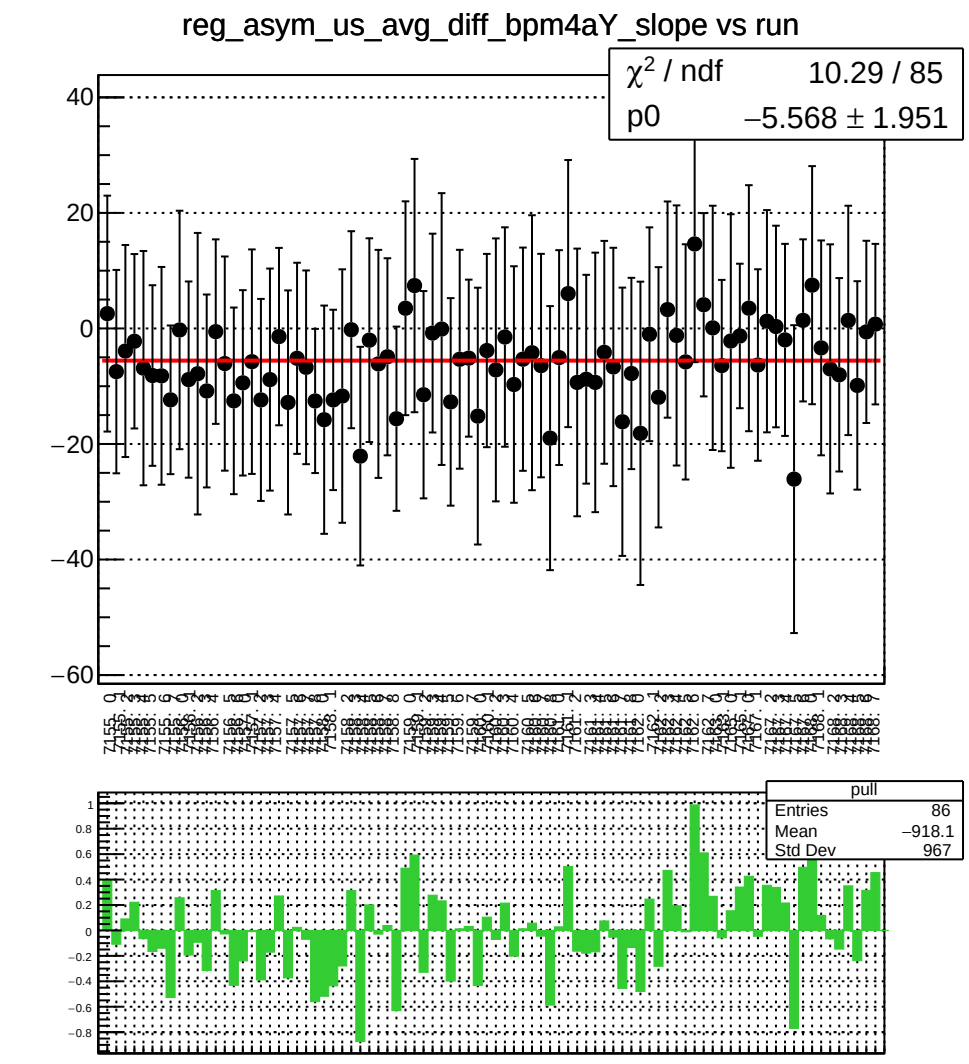

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 92.81 / 85
p0 0.1417 ± 0.1253
pull
Entries 86
Mean −484.4
Std Dev 527.3
pull1D
Entries 86
Mean −0.006144
Std Dev 1.039

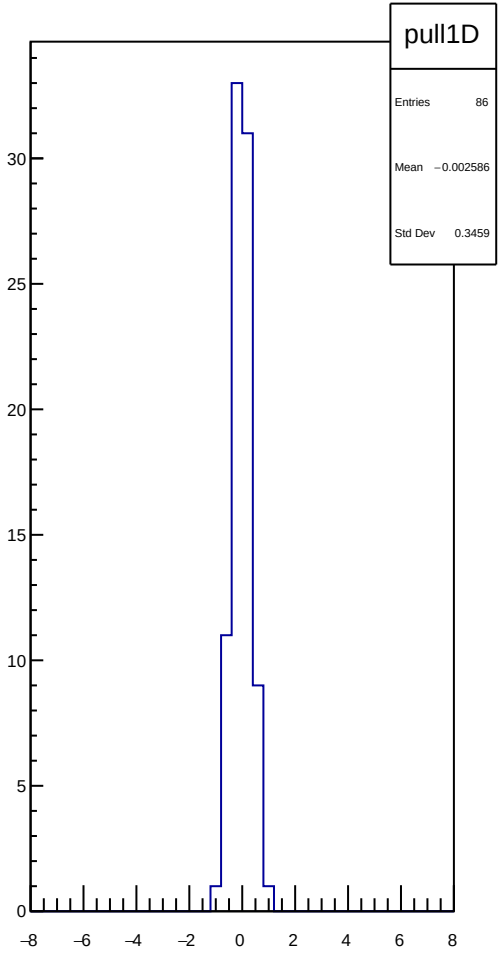

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 86.32 / 85
p0 0.01291 ± 0.004859
pull
Entries 86
Mean −172.1
Std Dev 206.5

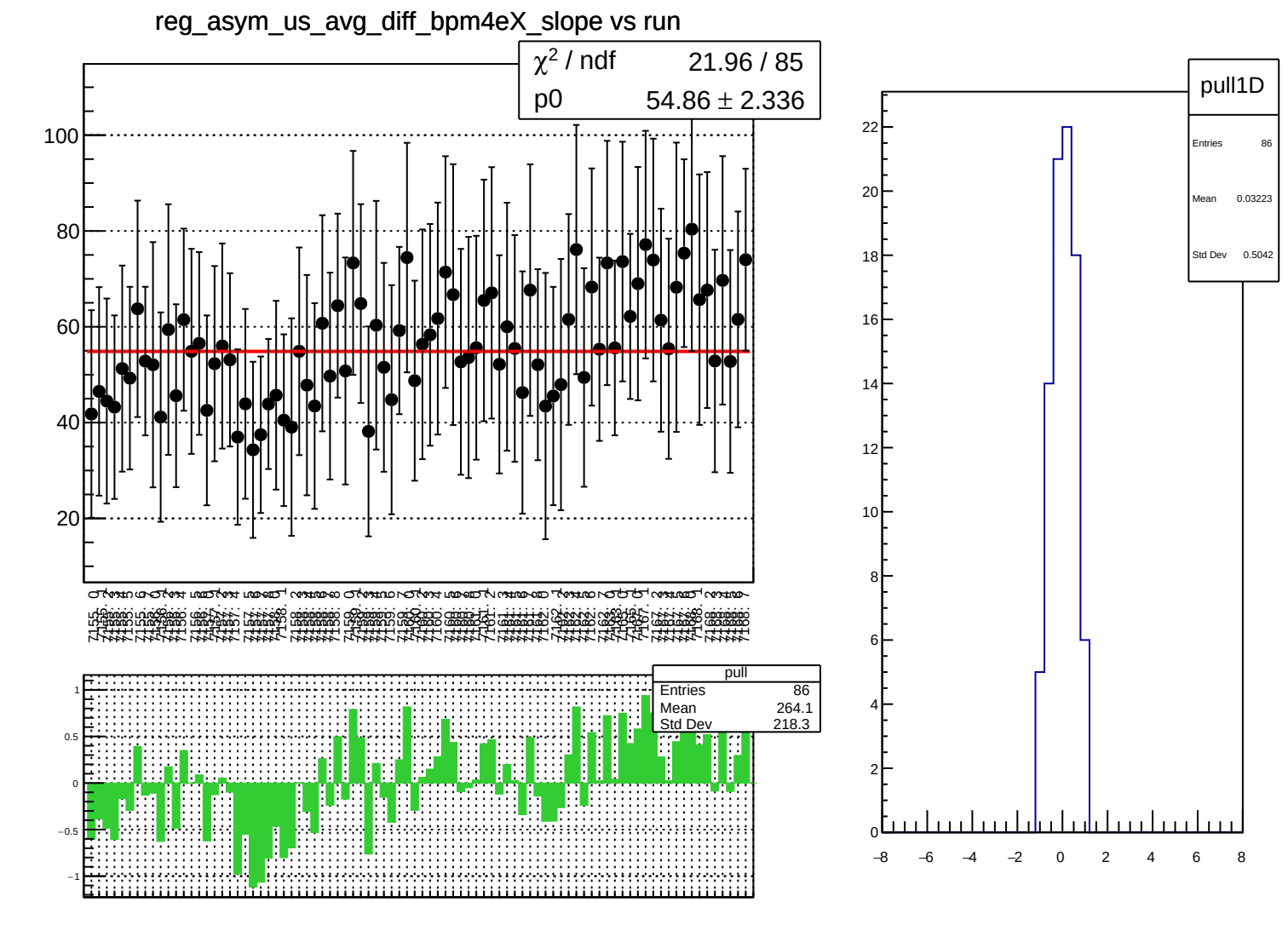

pull1D
Entries 86
Mean −0.01401
Std Dev 1.002

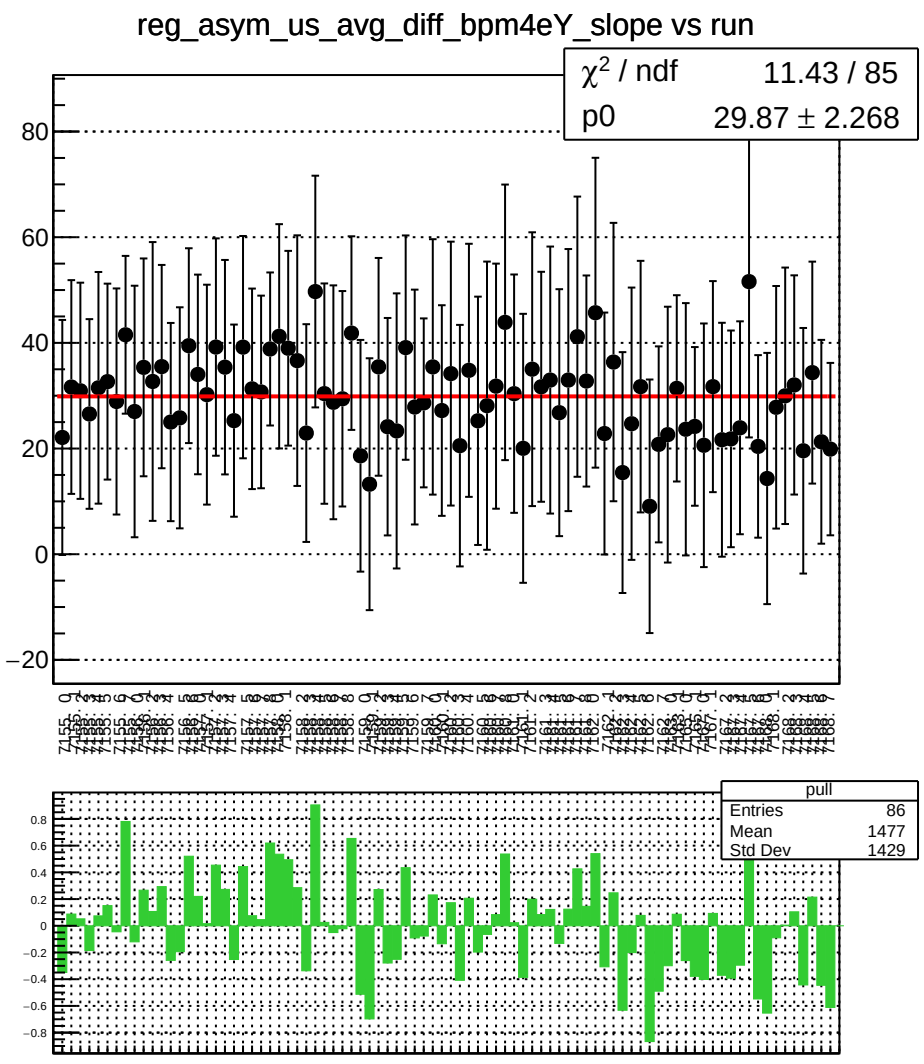

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 21.89 / 85
p0 −54.01± 2.307
−20
−40
−60
−80
−100
pull
Entries 86
Mean 257.6
Std Dev 211.6
1
0.5
0
−0.5
−1

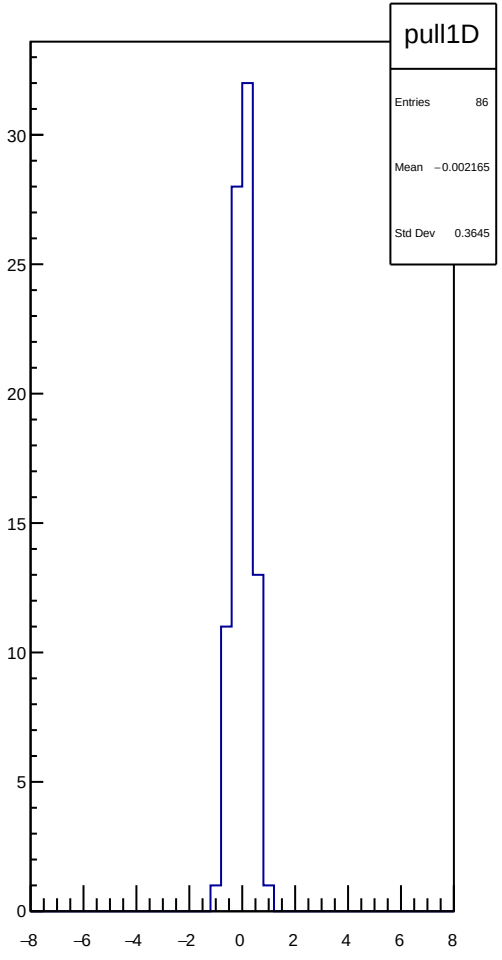

pull1D
Entries 86
Mean −0.03371
Std Dev 0.5033
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

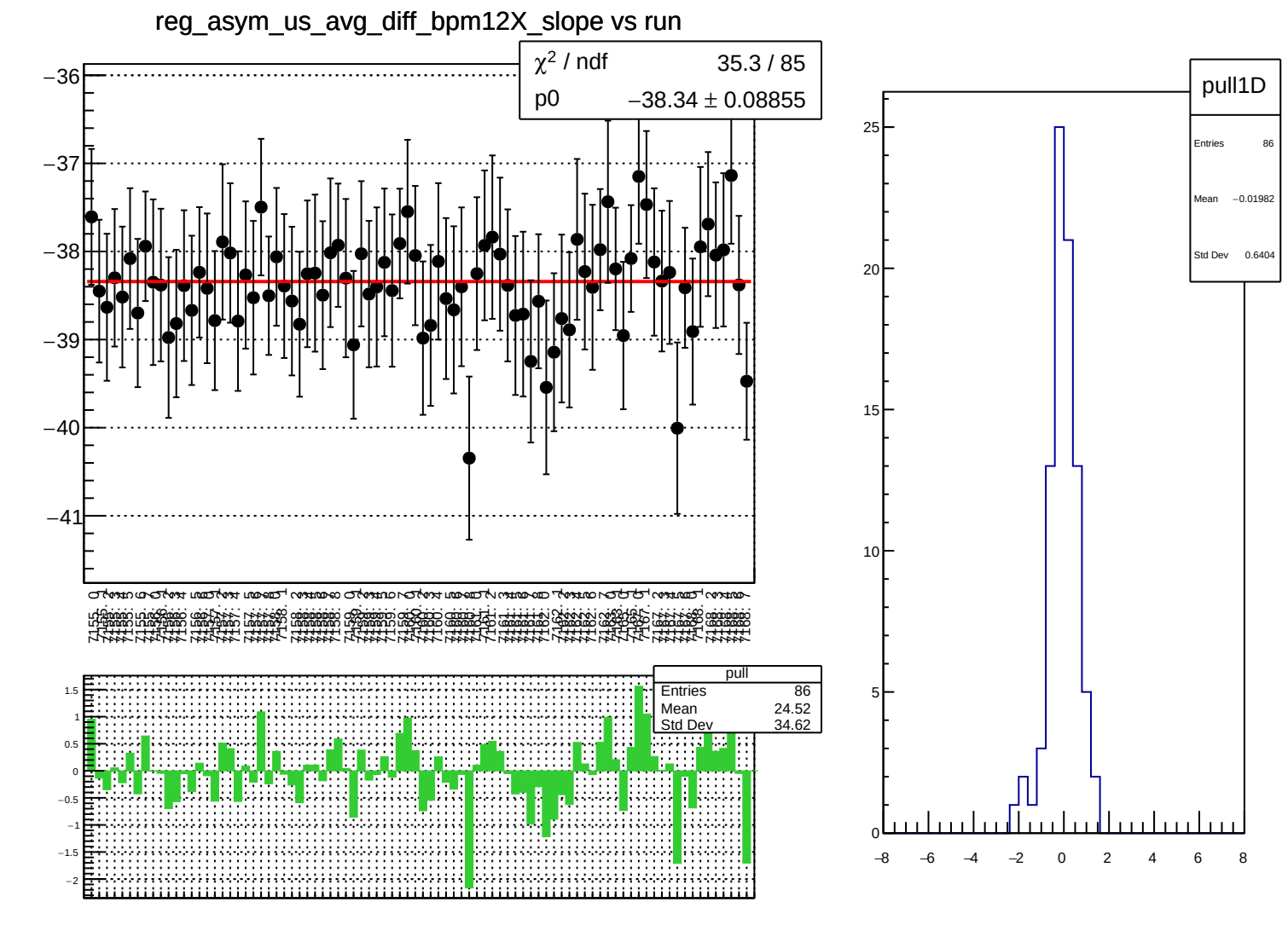

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.29 / 85
p0 −5.568 ± 1.951
pull
Entries 86
Mean −918.1
Std Dev 967

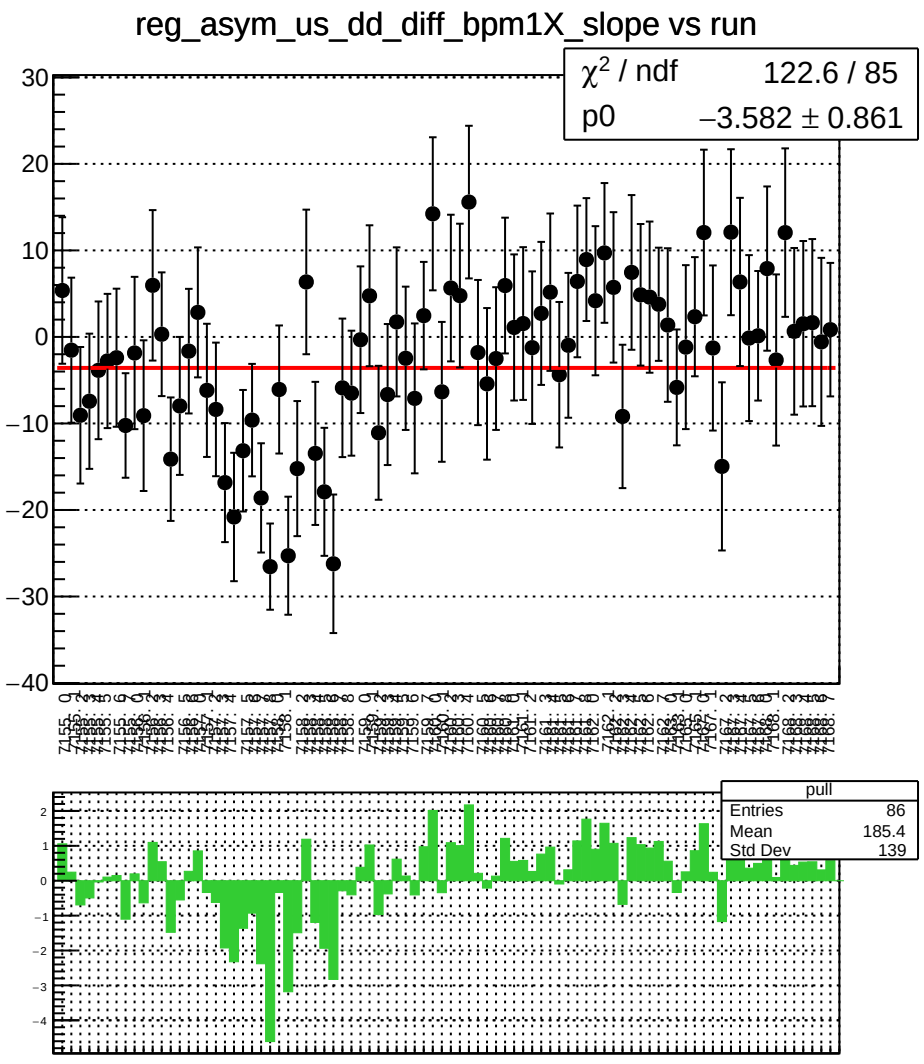

pull1D
Entries 86
Mean −0.002586
Std Dev 0.3459

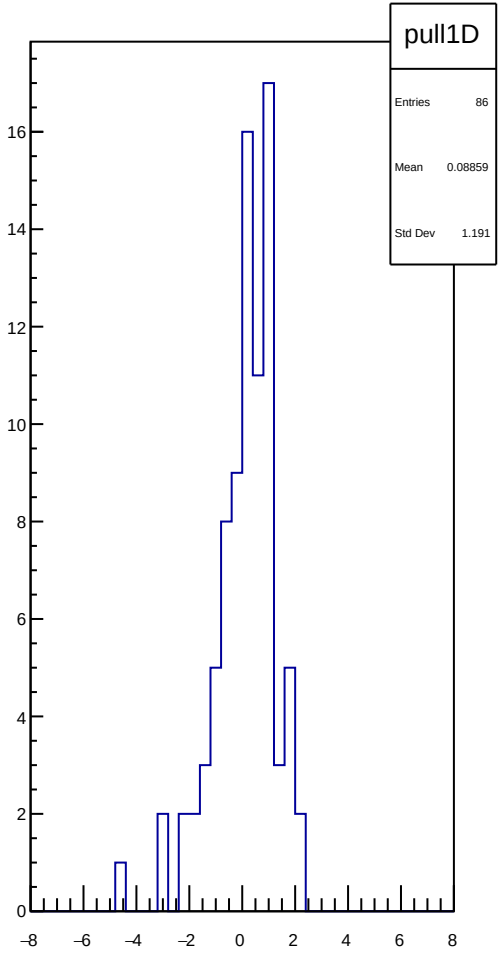

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.96 / 85
p0 54.86 ± 2.336
pull
Entries 86
Mean 264.1
Std Dev 218.3
pull1D
Entries 86
Mean 0.03223
Std Dev 0.5042

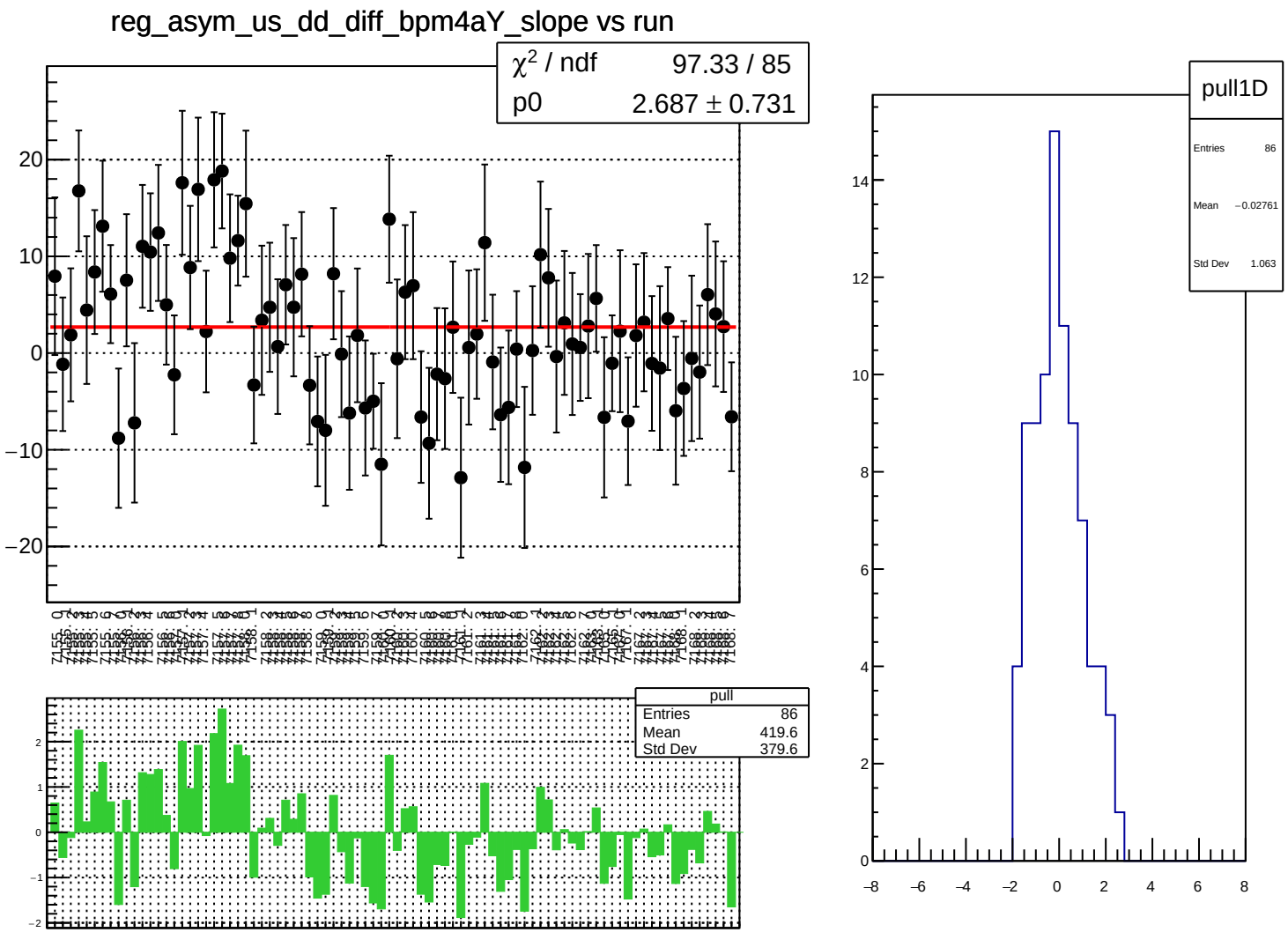

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.43 / 85
p0 29.87 ± 2.268
pull
Entries 86
Mean 1477
Std Dev 1429

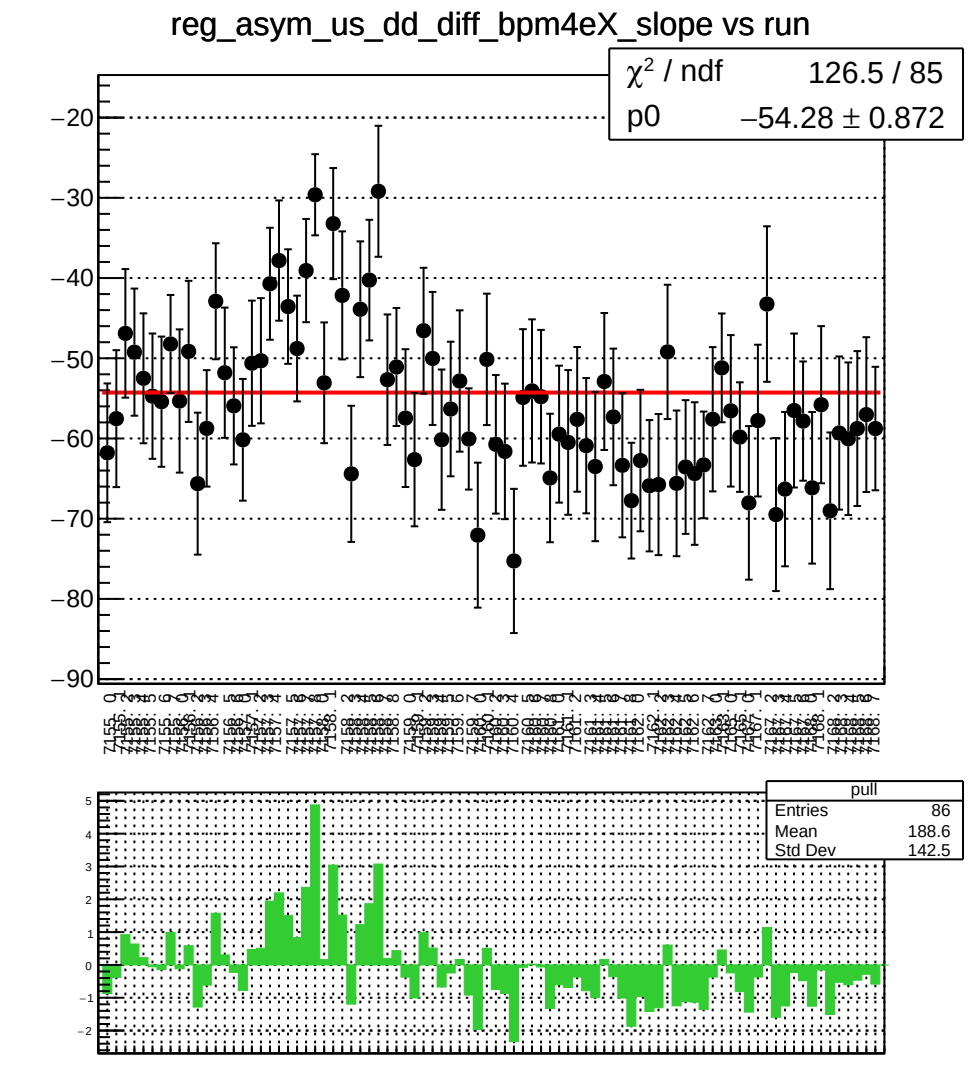

pull1D
Entries 86
Mean −0.002165
Std Dev 0.3645

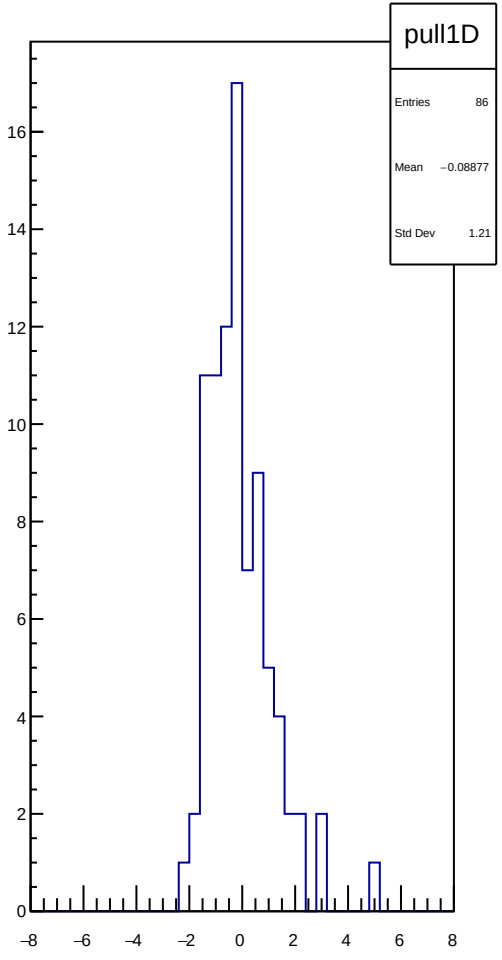

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 35.3 / 85
p0 −38.34 ± 0.08855
pull
Entries 86
Mean 24.52
Std Dev 34.62
pull1D
Entries 86
Mean −0.01982
Std Dev 0.6404

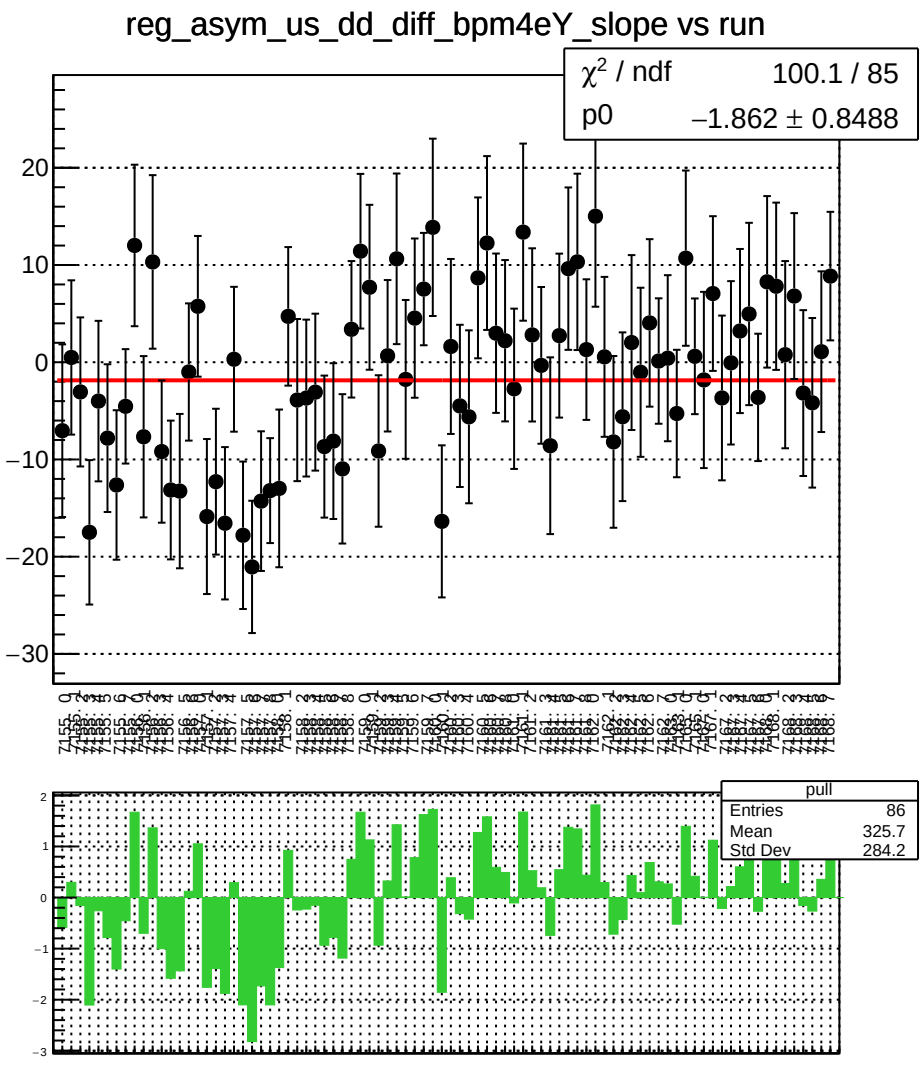

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 122.6 / 85
p0 −3.582 ± 0.861
pull
Entries 86
Mean 185.4
Std Dev 139

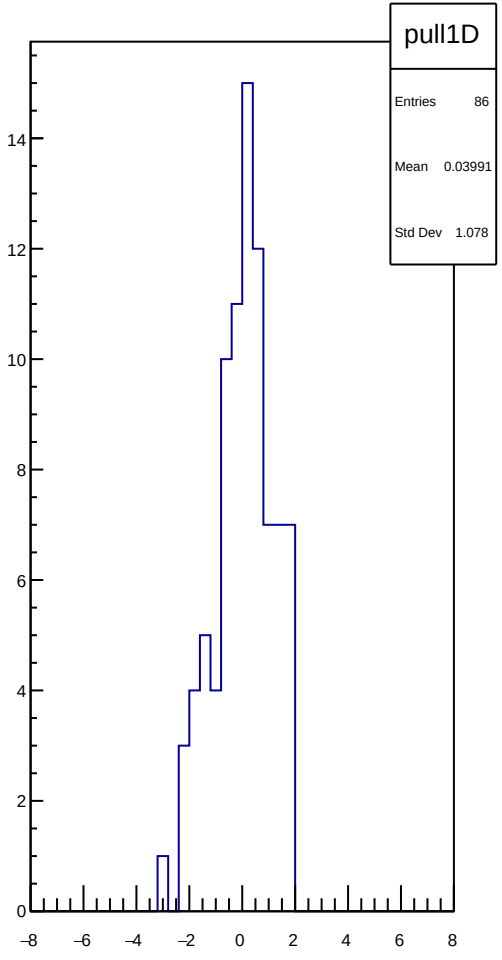

pull1D
Entries 86
Mean 0.08859
Std Dev 1.191

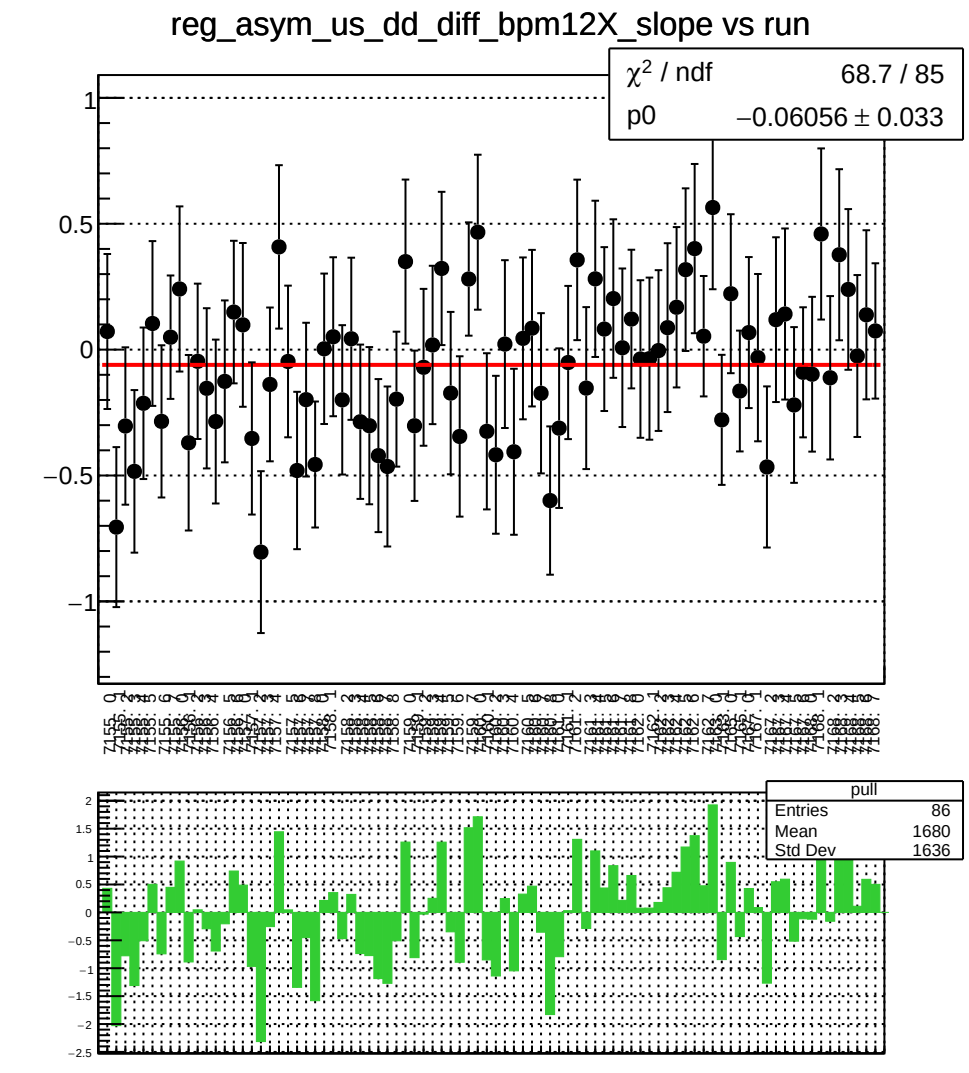

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 97.33 / 85
p0 2.687 ± 0.731
pull
Entries 86
Mean 419.6
Std Dev 379.6
pull1D
Entries 86
Mean −0.02761
Std Dev 1.063

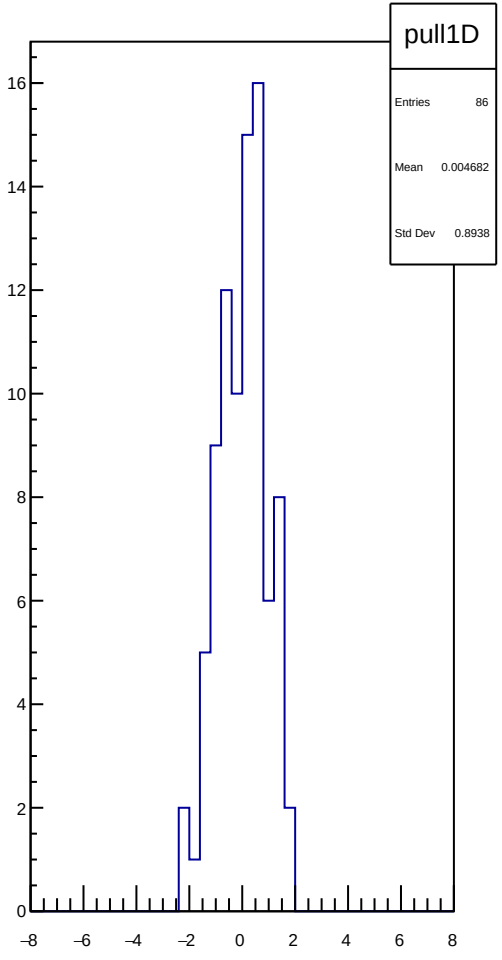

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 126.5 / 85
p0 −54.28 ± 0.872
pull
Entries 86
Mean 188.6
Std Dev 142.5

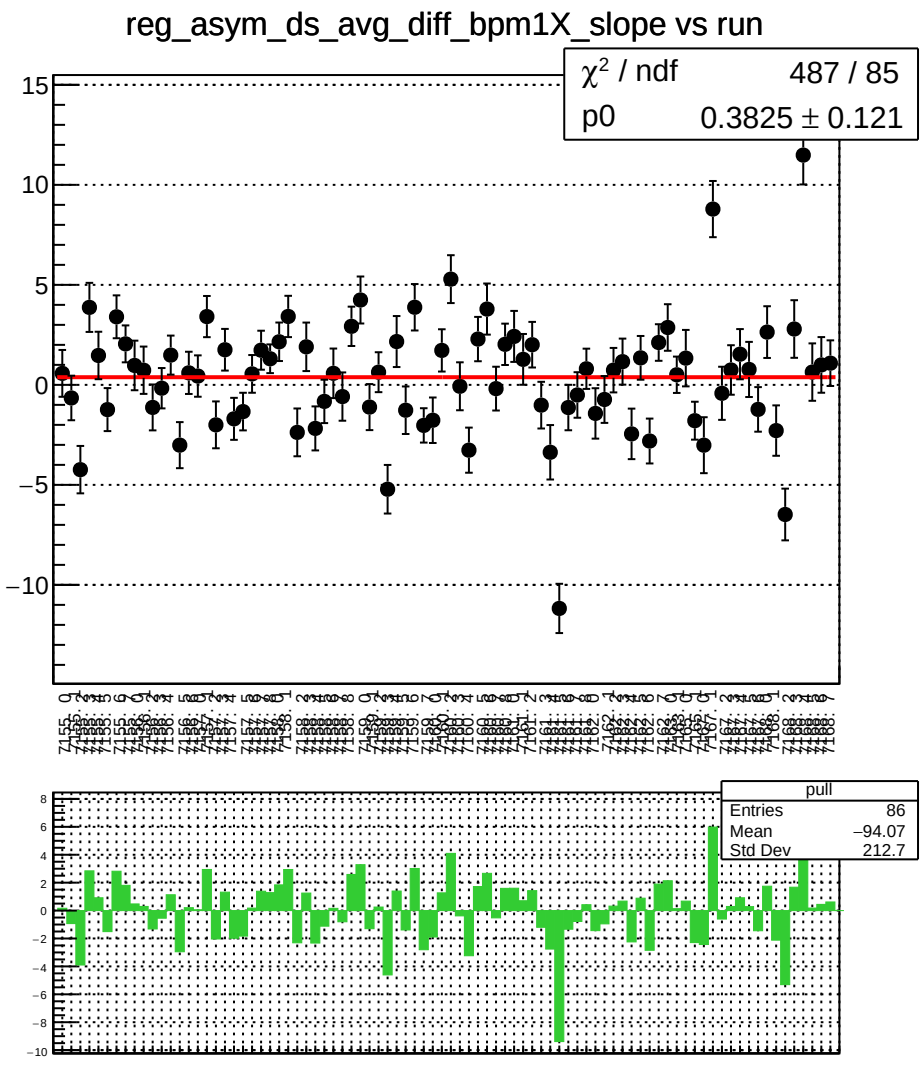

pull1D
Entries 86
Mean −0.08877
Std Dev 1.21

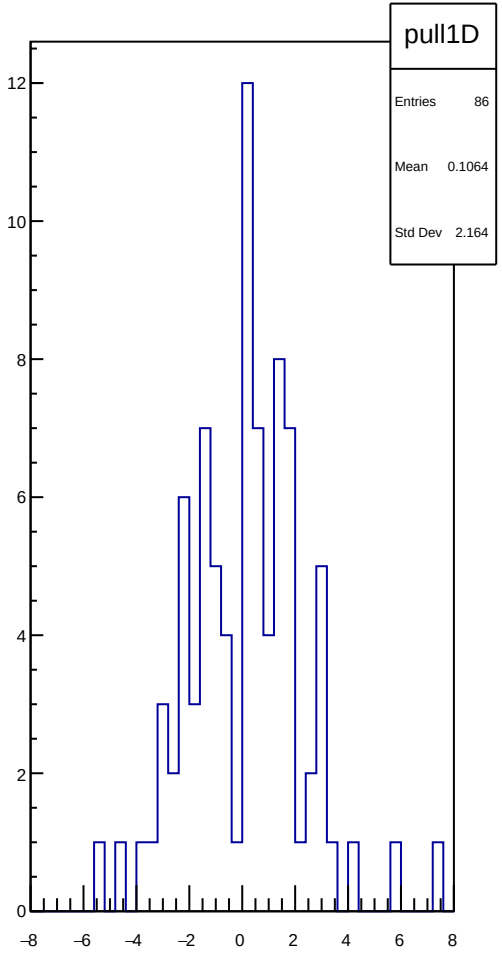

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.1 / 85
p0 −1.862 ± 0.8488
pull
Entries 86
Mean 325.7
Std Dev 284.2

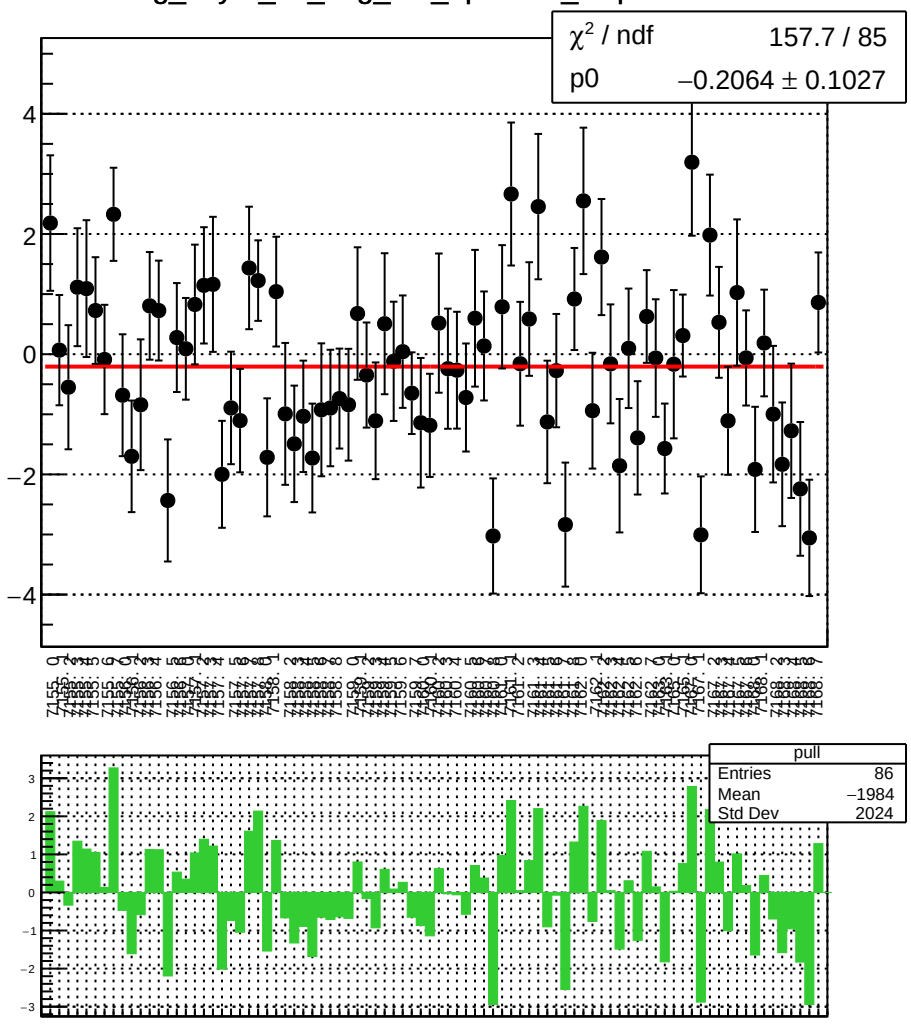

pull1D
Entries 86
Mean 0.03991
Std Dev 1.078

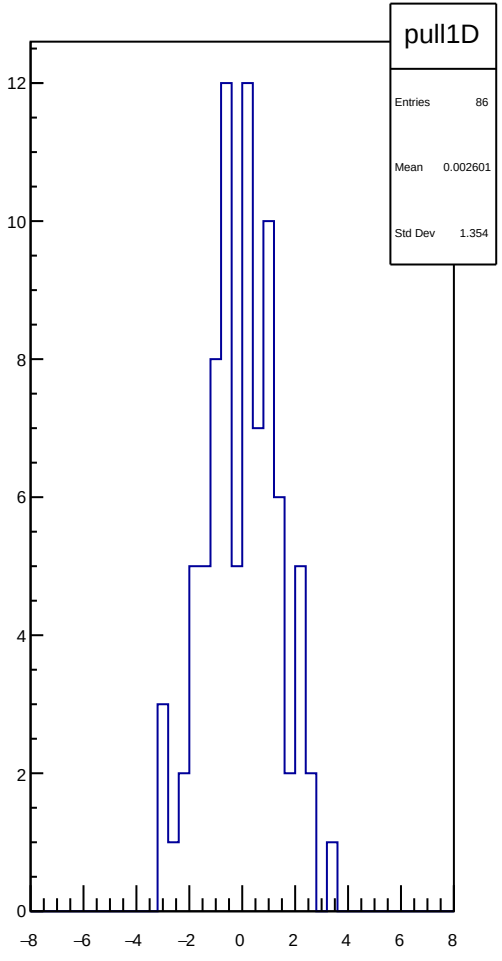

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 68.7 / 85
p0 −0.06056 ± 0.033
pull
Entries 86
Mean 1680
Std Dev 1636

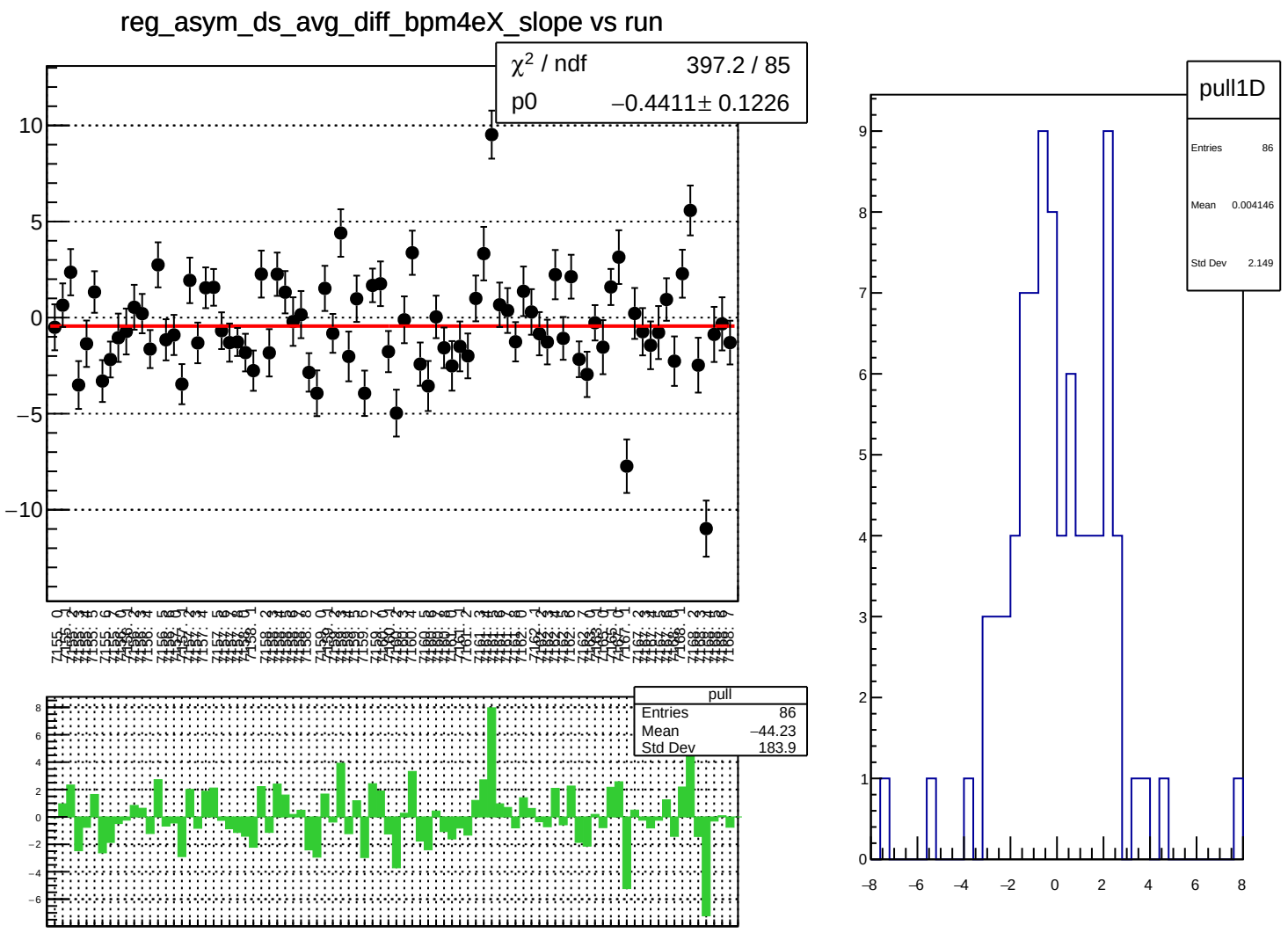

pull1D
Entries 86
Mean 0.004682
Std Dev 0.8938

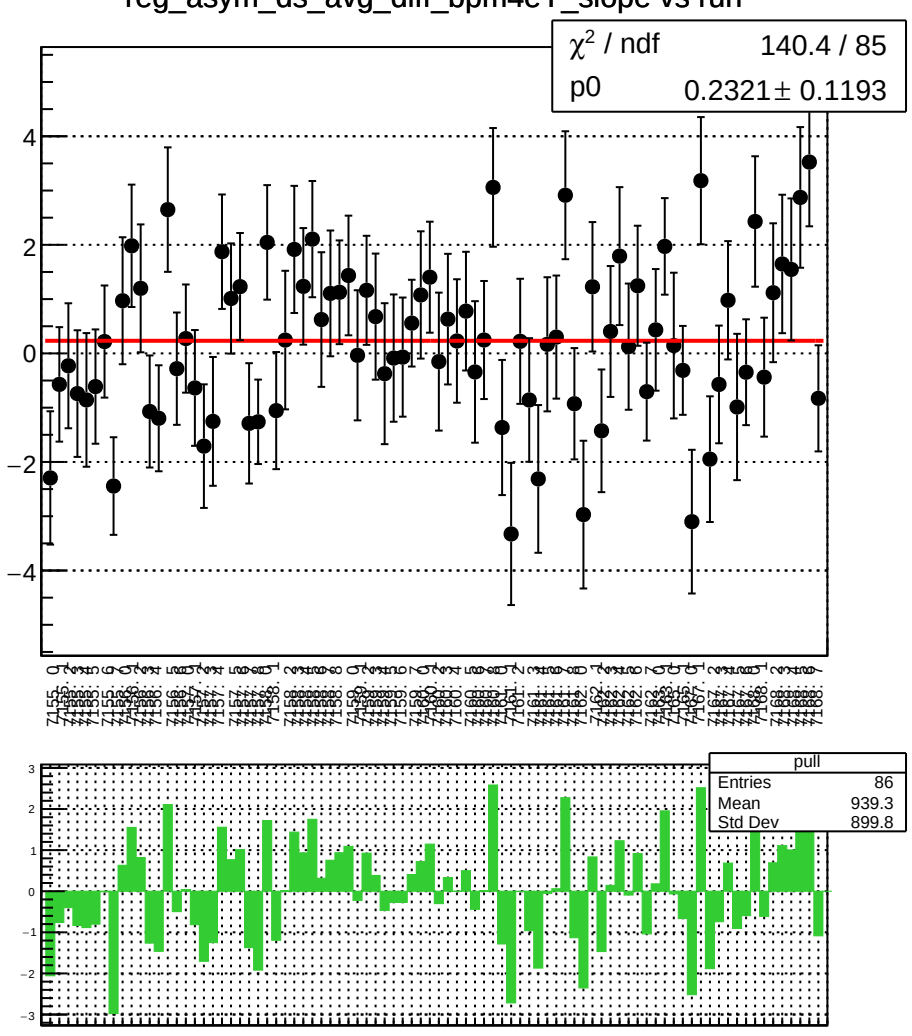

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 487 / 85
p0 0.3825 ± 0.121
pull
Entries 86
Mean −94.07
Std Dev 212.7

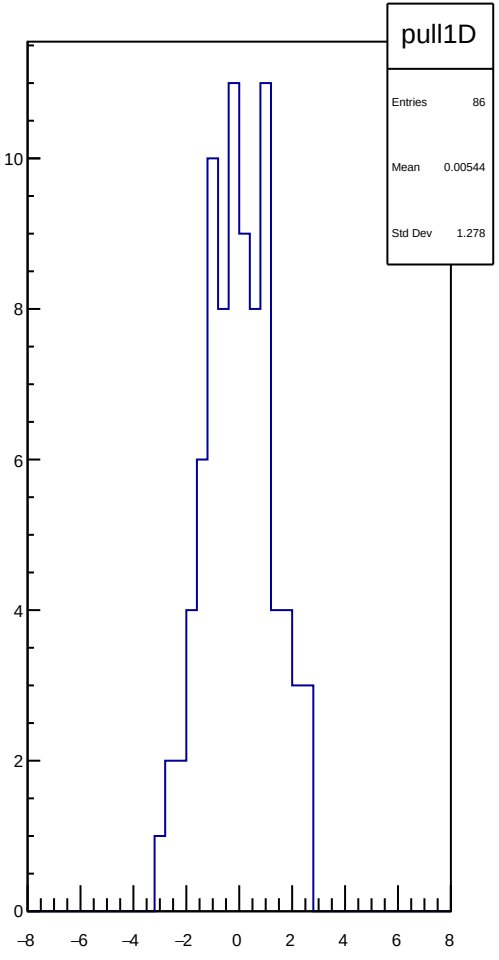

pull1D
Entries 86
Mean 0.1064
Std Dev 2.164

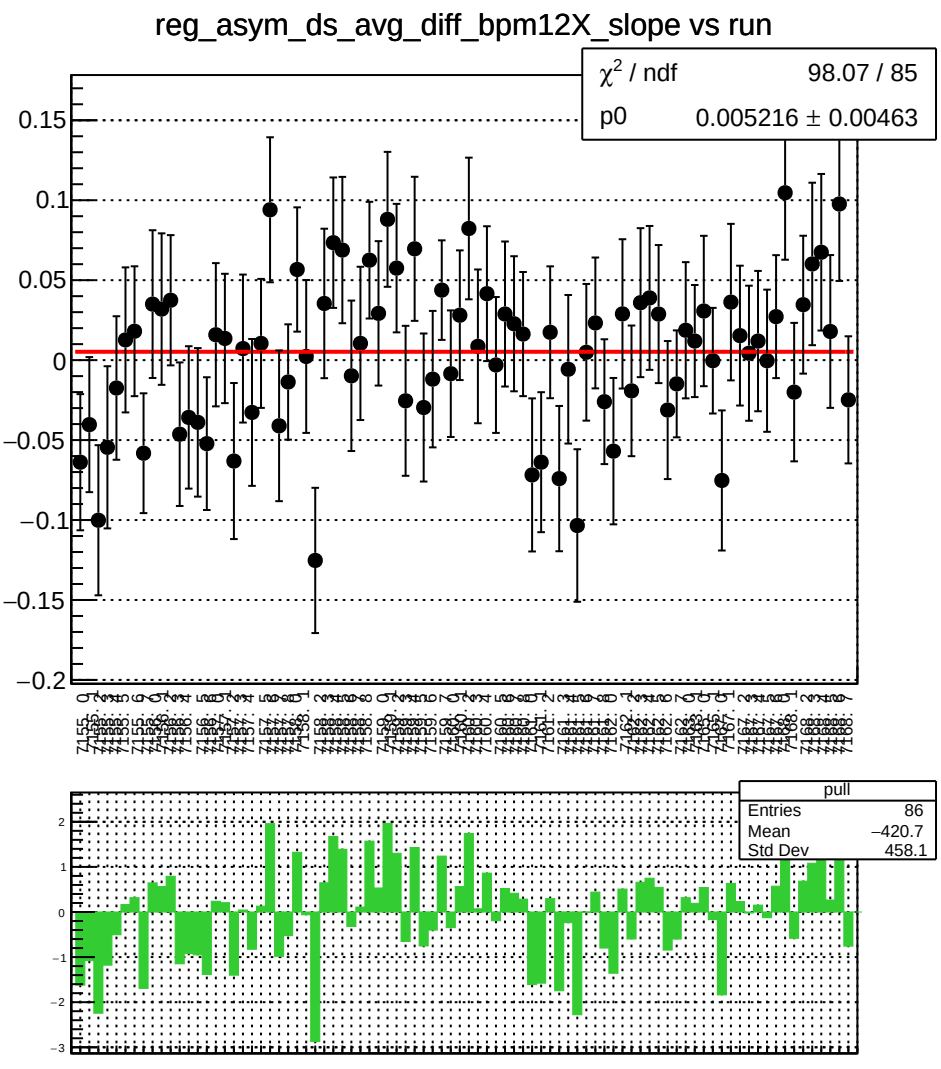

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 157.7 / 85
p0 −0.2064 ± 0.1027
pull
Entries 86
Mean −1984
Std Dev 2024

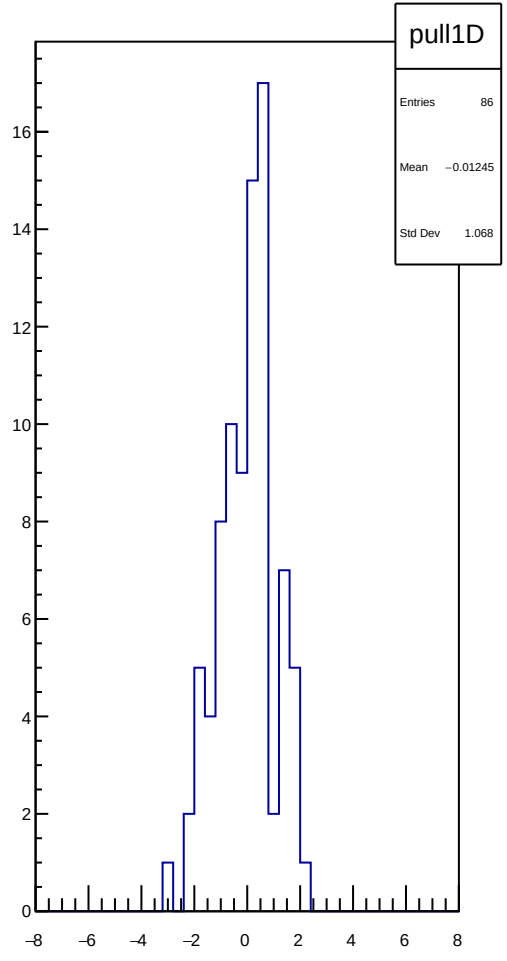

pull1D
Entries 86
Mean 0.002601
Std Dev 1.354

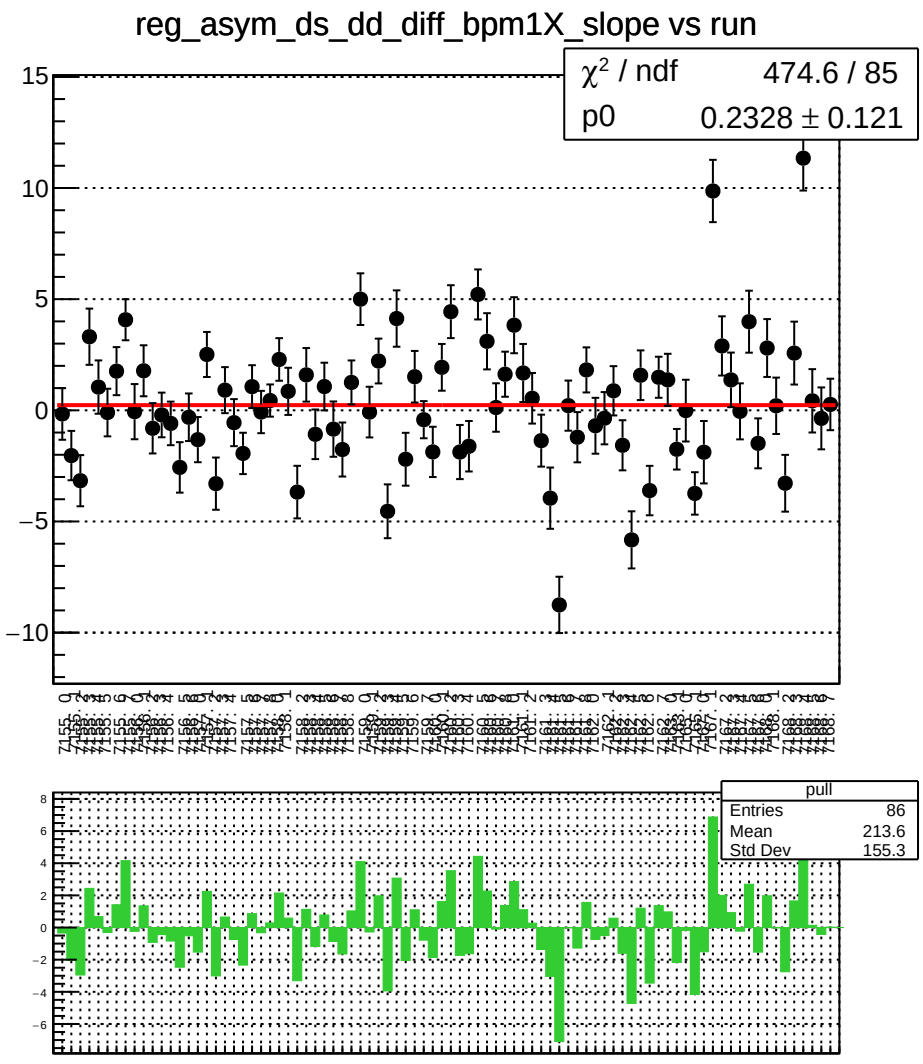

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 397.2 / 85
p0 −0.4411± 0.1226
pull
Entries 86
Mean −44.23
Std Dev 183.9
pull1D
Entries 86
Mean 0.004146
Std Dev 2.149

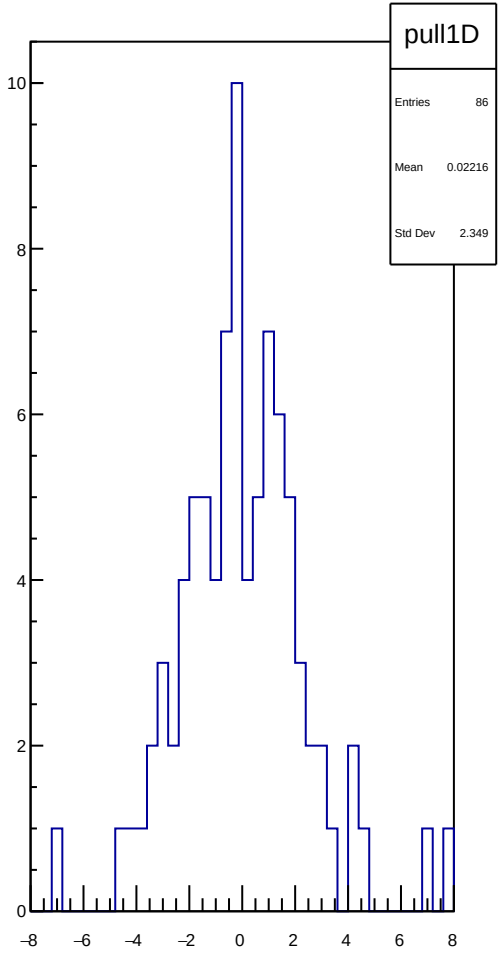

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 140.4 / 85
p0 0.2321± 0.1193
pull
Entries 86
Mean 939.3
Std Dev 899.8

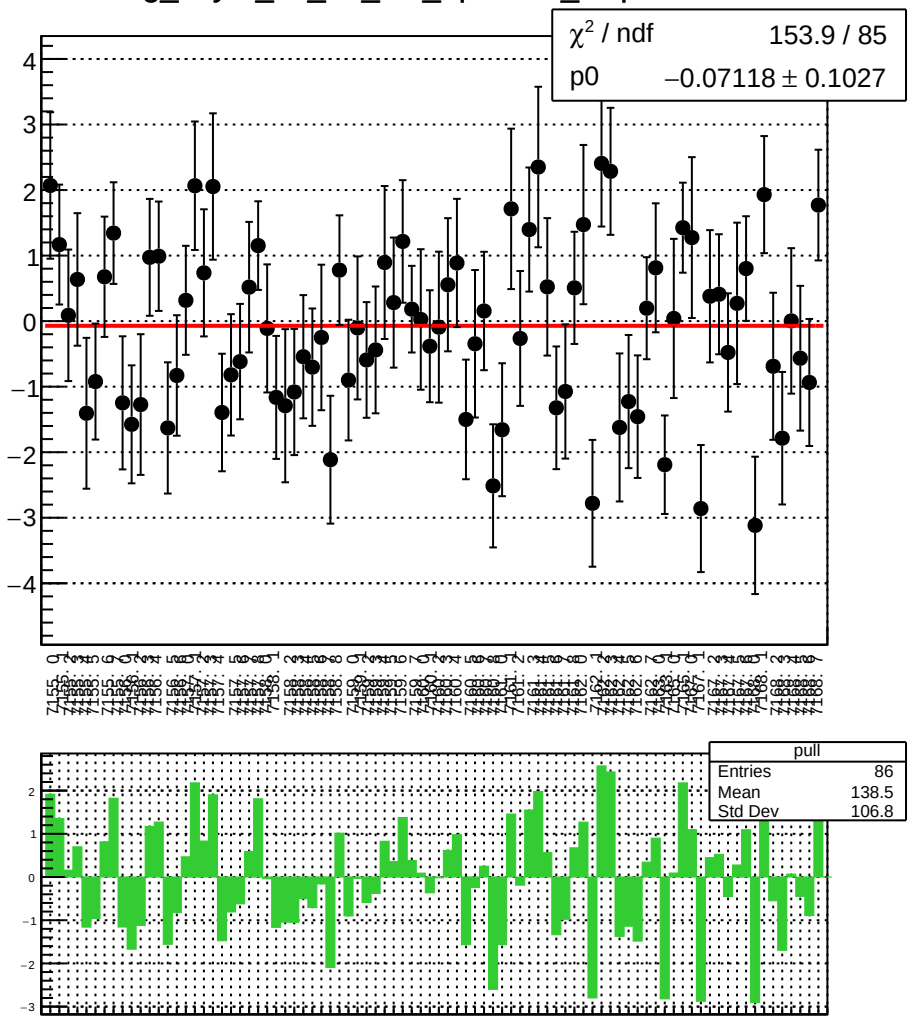

pull1D
Entries 86
Mean 0.00544
Std Dev 1.278

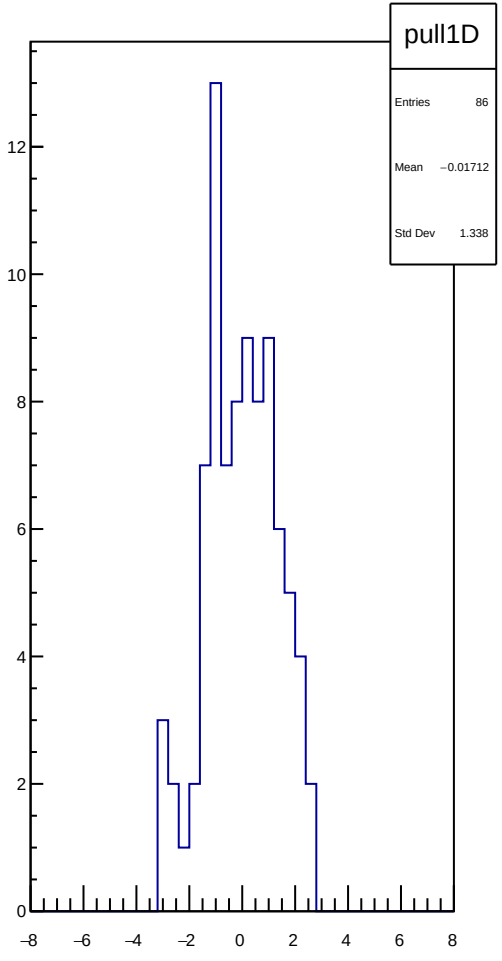

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 98.07 / 85
p0 0.005216 ± 0.00463
pull
Entries 86
Mean −420.7
Std Dev 458.1

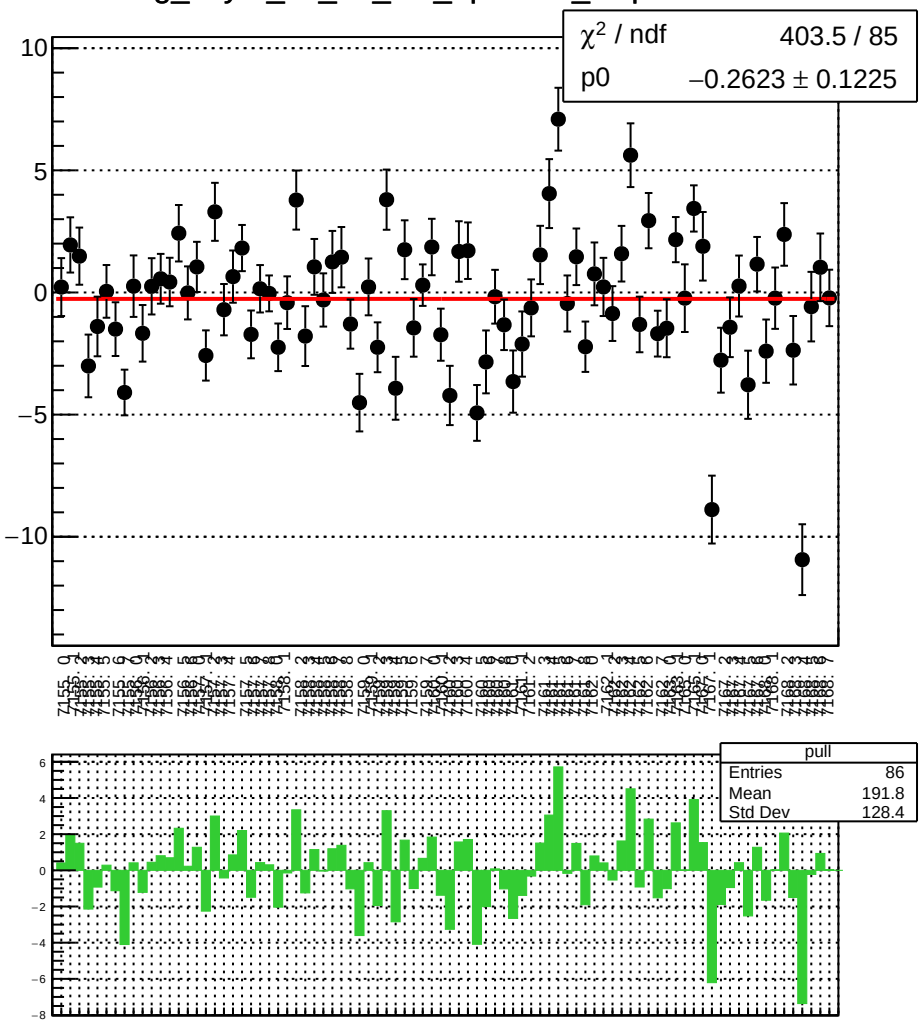

pull1D
Entries 86
Mean −0.01245
Std Dev 1.068

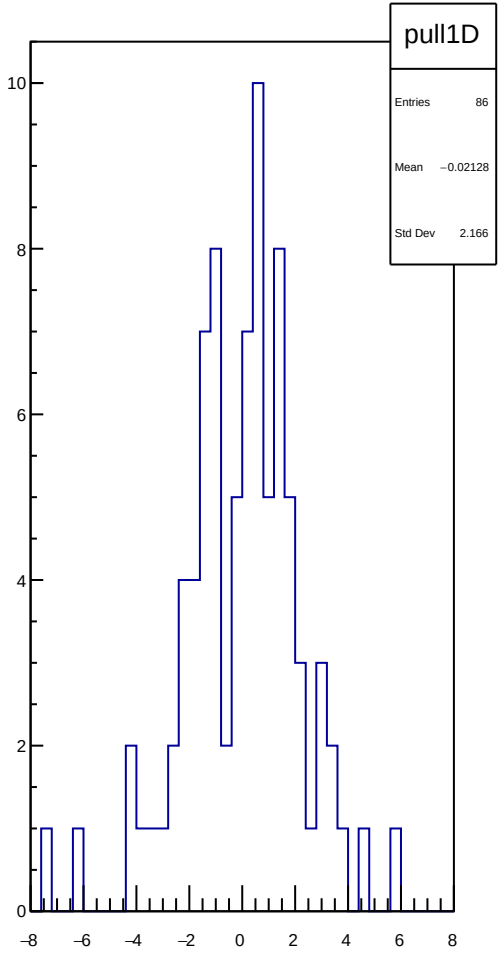

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 474.6 / 85
p0 0.2328 ± 0.121
pull
Entries 86
Mean 213.6
Std Dev 155.3

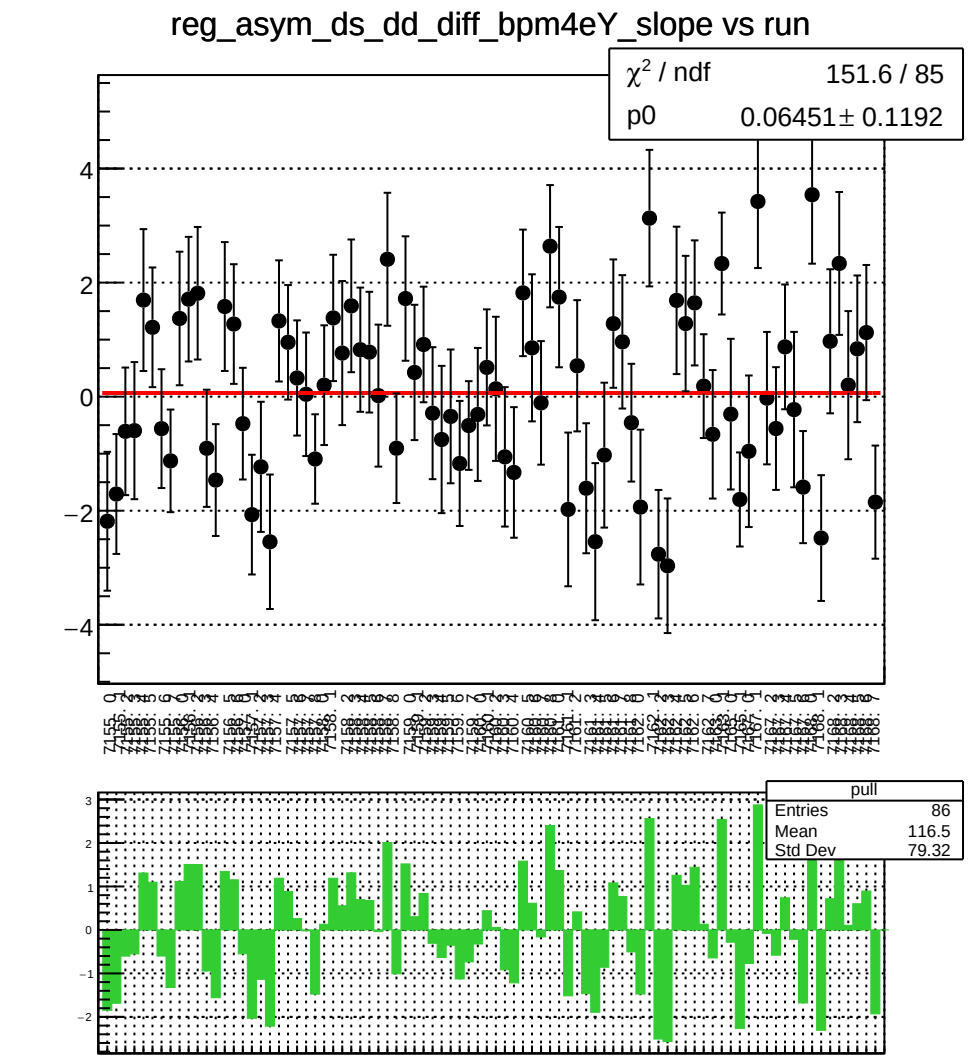

pull1D
Entries 86
Mean 0.02216
Std Dev 2.349

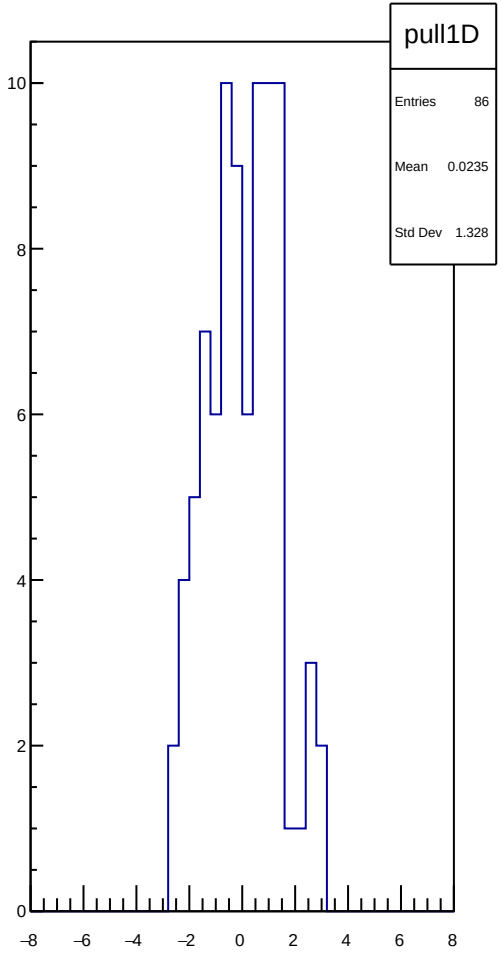

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 153.9 / 85
p0 −0.07118 ± 0.1027
pull
Entries 86
Mean 138.5
Std Dev 106.8

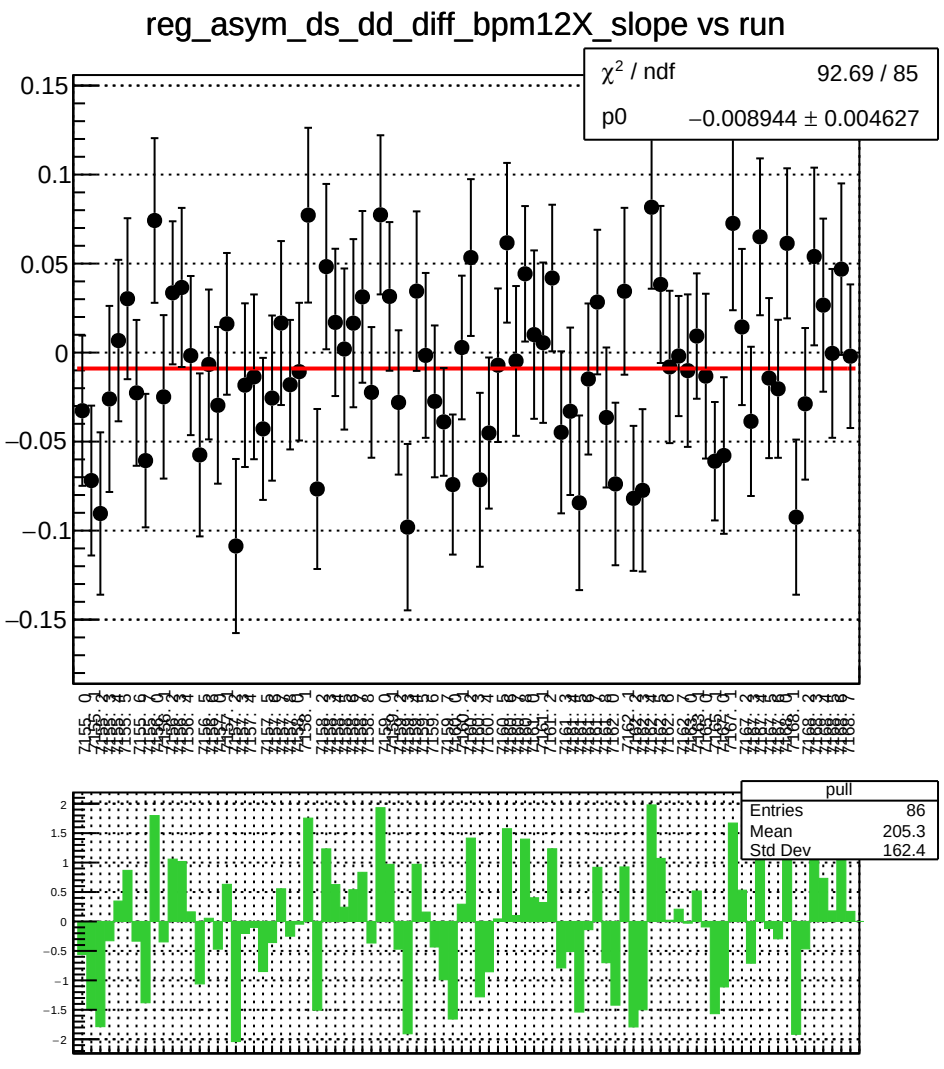

pull1D
Entries 86
Mean −0.01712
Std Dev 1.338

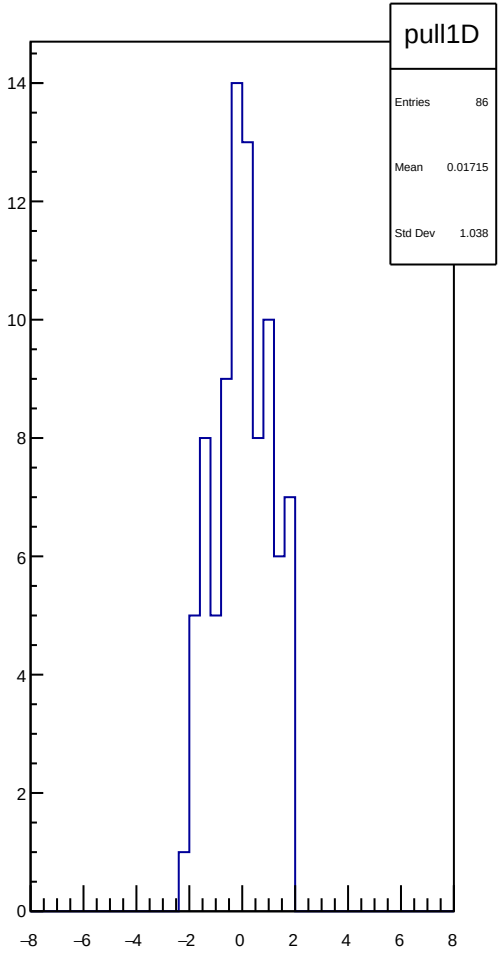

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 403.5 / 85
p0 −0.2623 ± 0.1225
pull
Entries 86
Mean 191.8
Std Dev 128.4

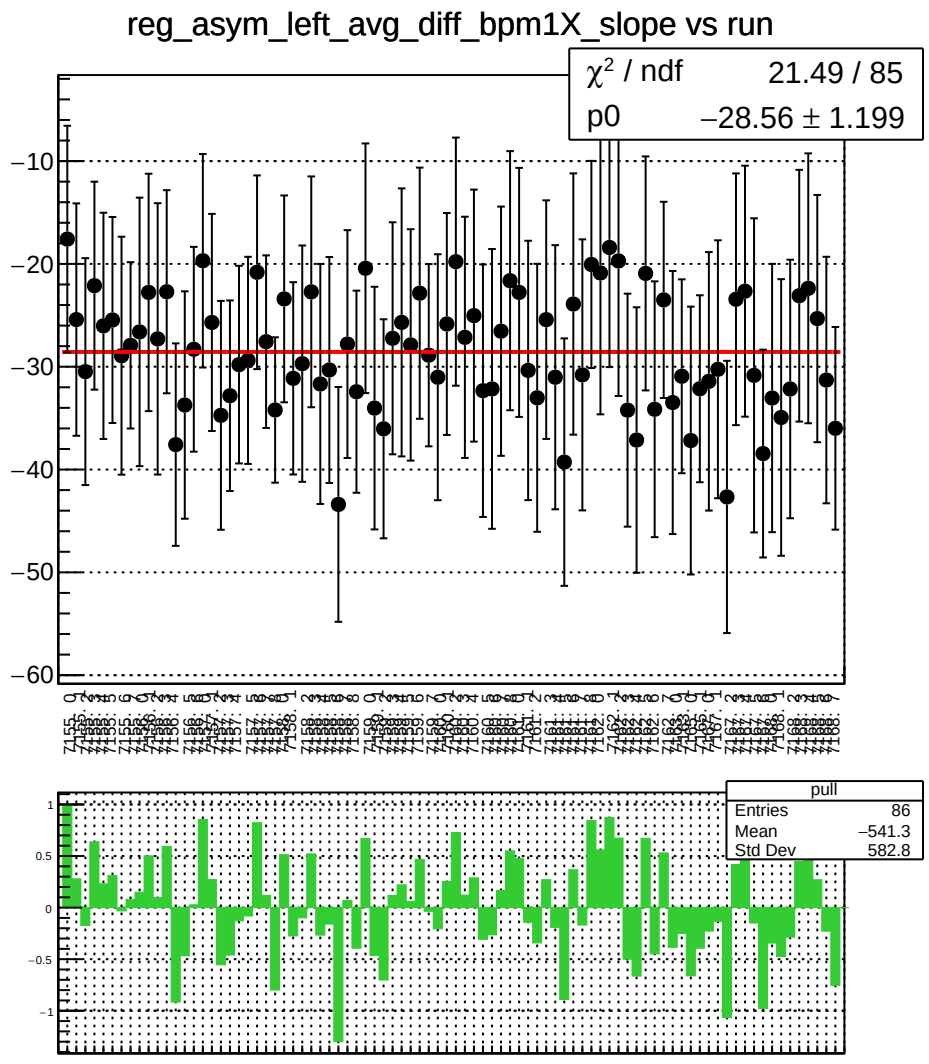

pull1D
Entries 86
Mean −0.02128
Std Dev 2.166

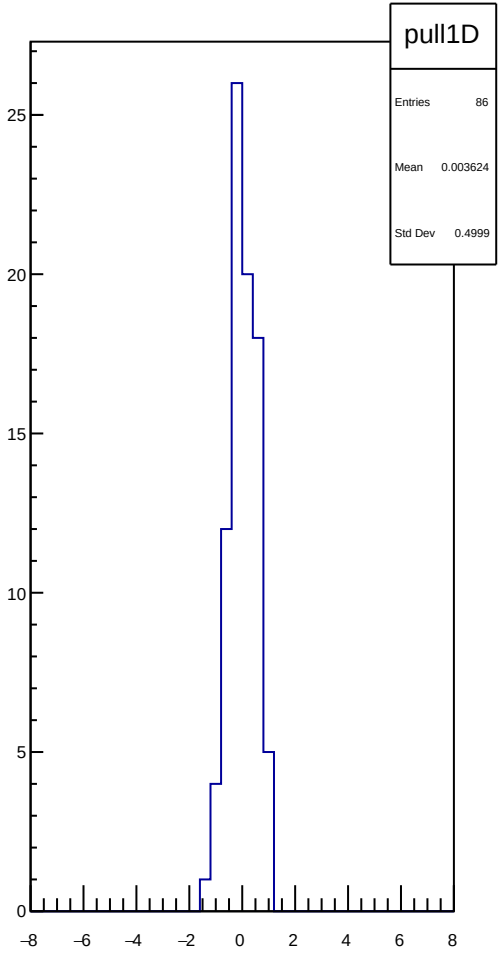

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 151.6 / 85
p0 0.06451 ± 0.1192
pull
Entries 86
Mean 116.5
Std Dev 79.32

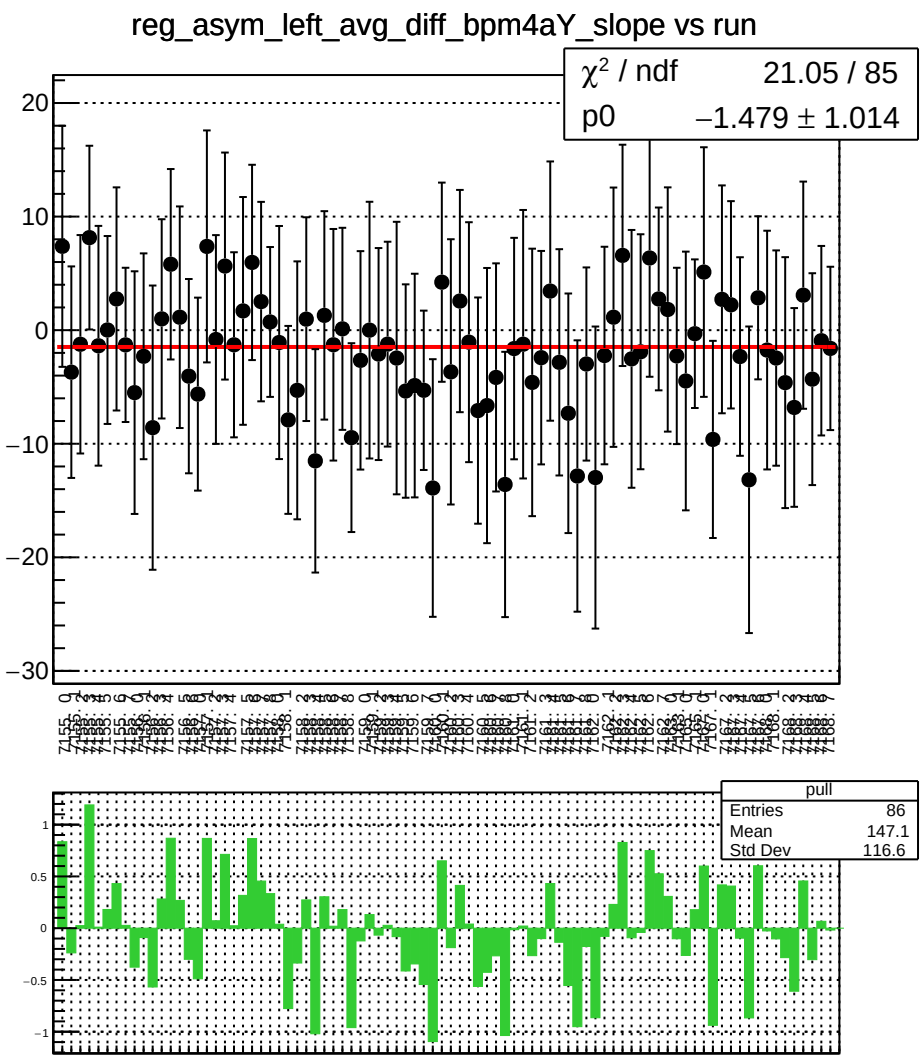

pull1D
Entries 86
Mean 0.0235
Std Dev 1.328

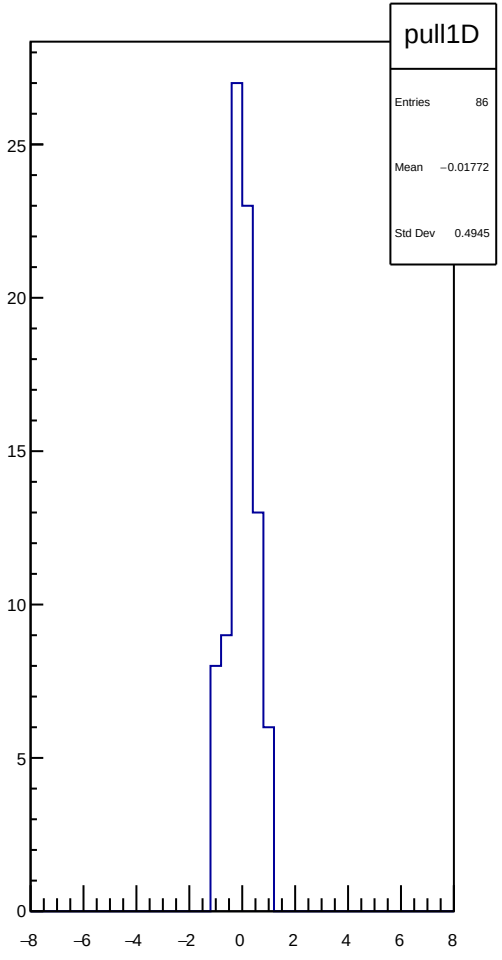

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 92.69 / 85
p0 −0.008944 ± 0.004627
pull
Entries 86
Mean 205.3
Std Dev 162.4

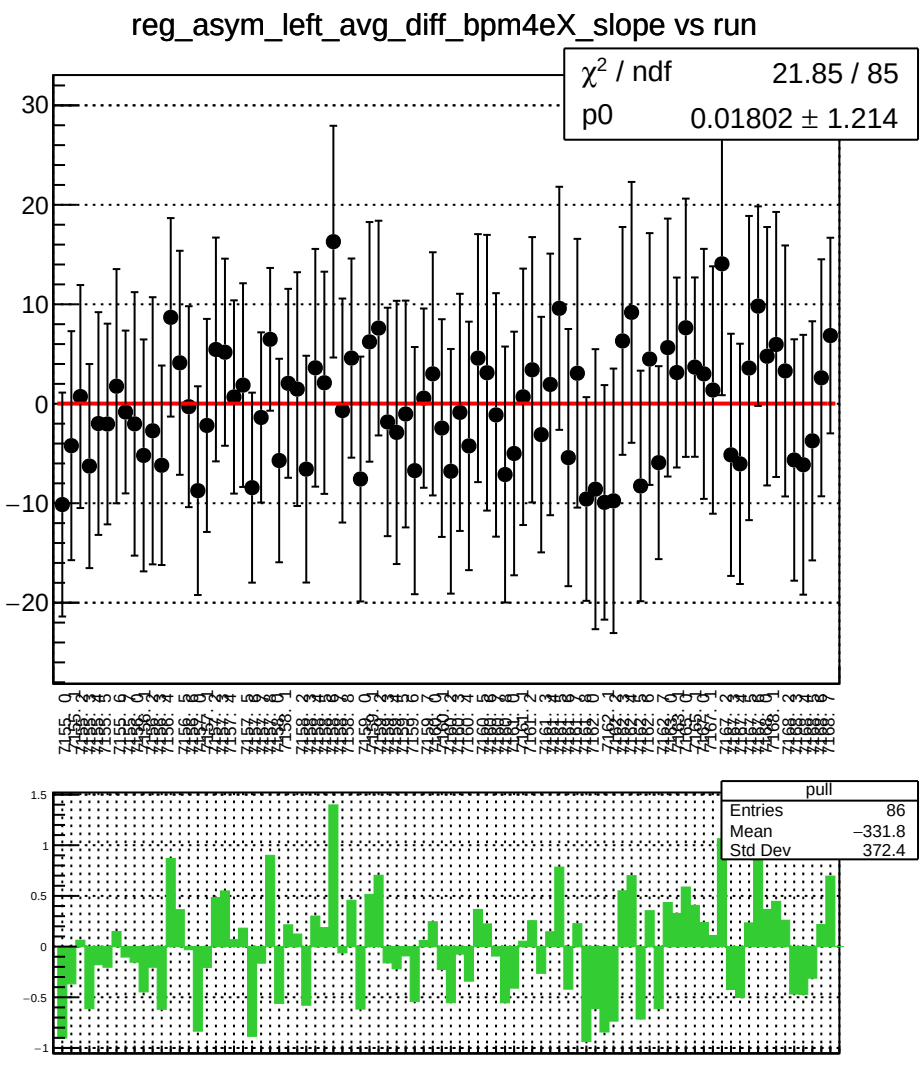

pull1D
Entries 86
Mean 0.01715
Std Dev 1.038

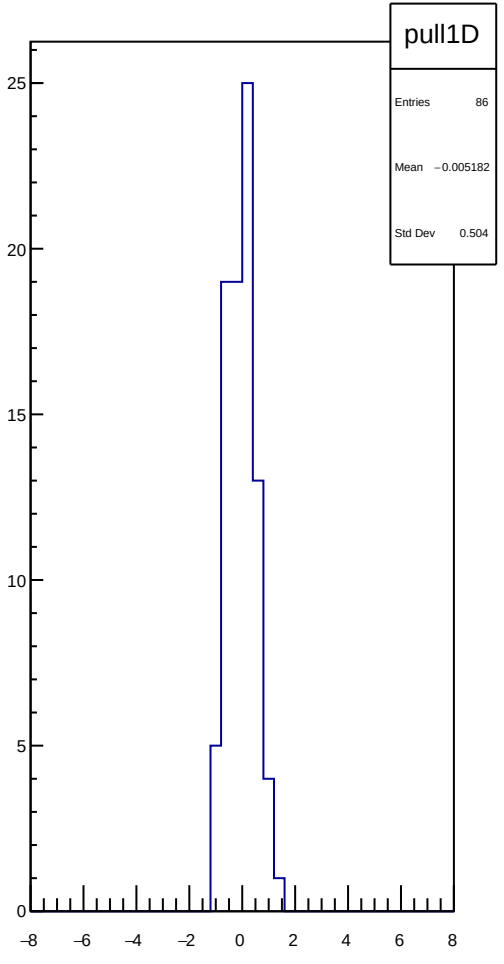

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 21.49 / 85
p0 −28.56 ± 1.199
pull
Entries 86
Mean −541.3
Std Dev 582.8

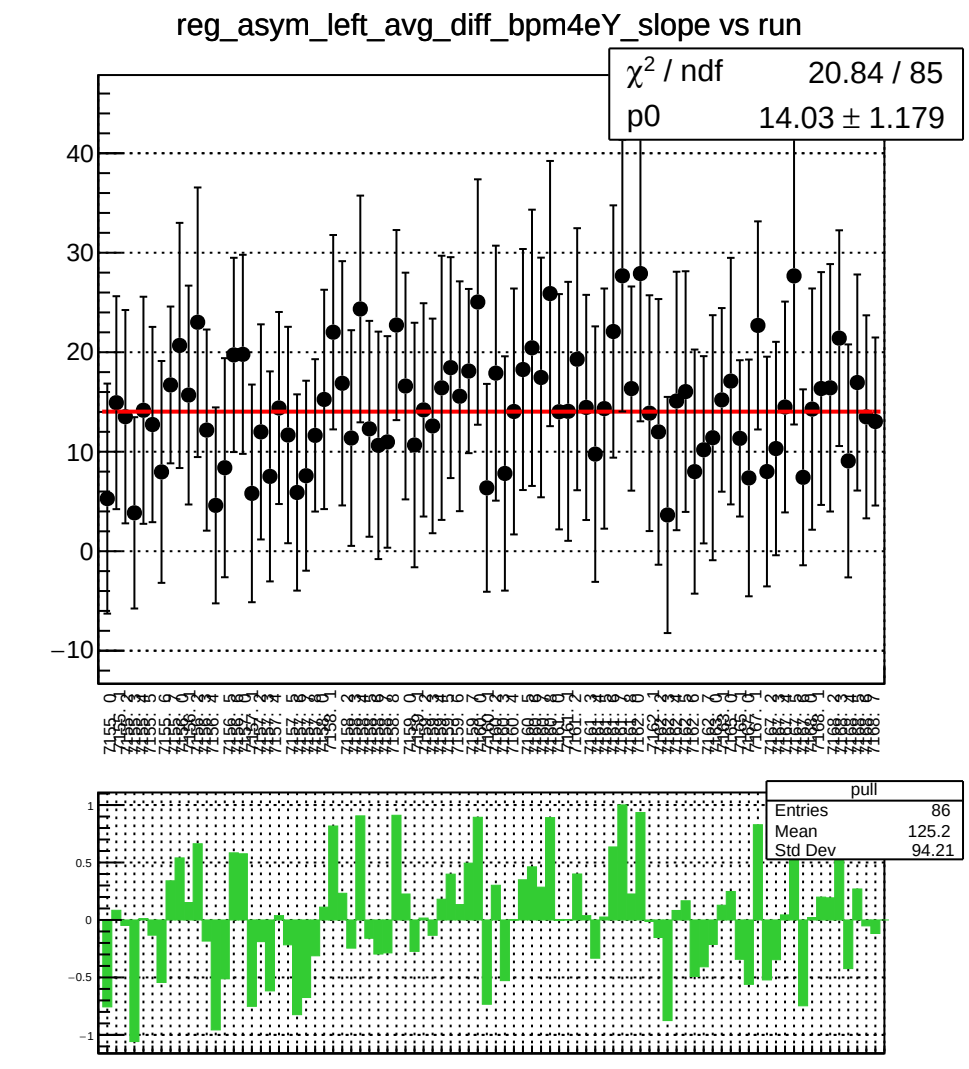

pull1D
Entries 86
Mean 0.003624
Std Dev 0.4999

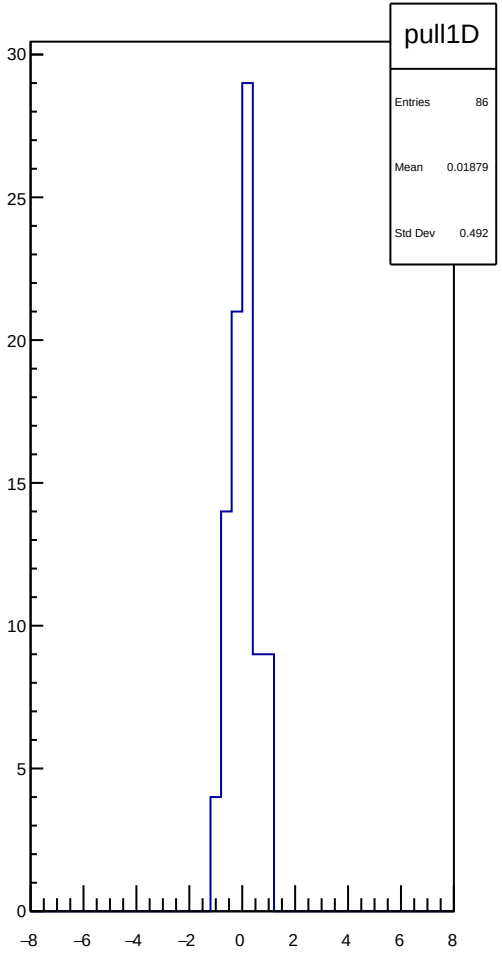

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.05 / 85
p0 −1.479 ± 1.014
pull
Entries 86
Mean 147.1
Std Dev 116.6

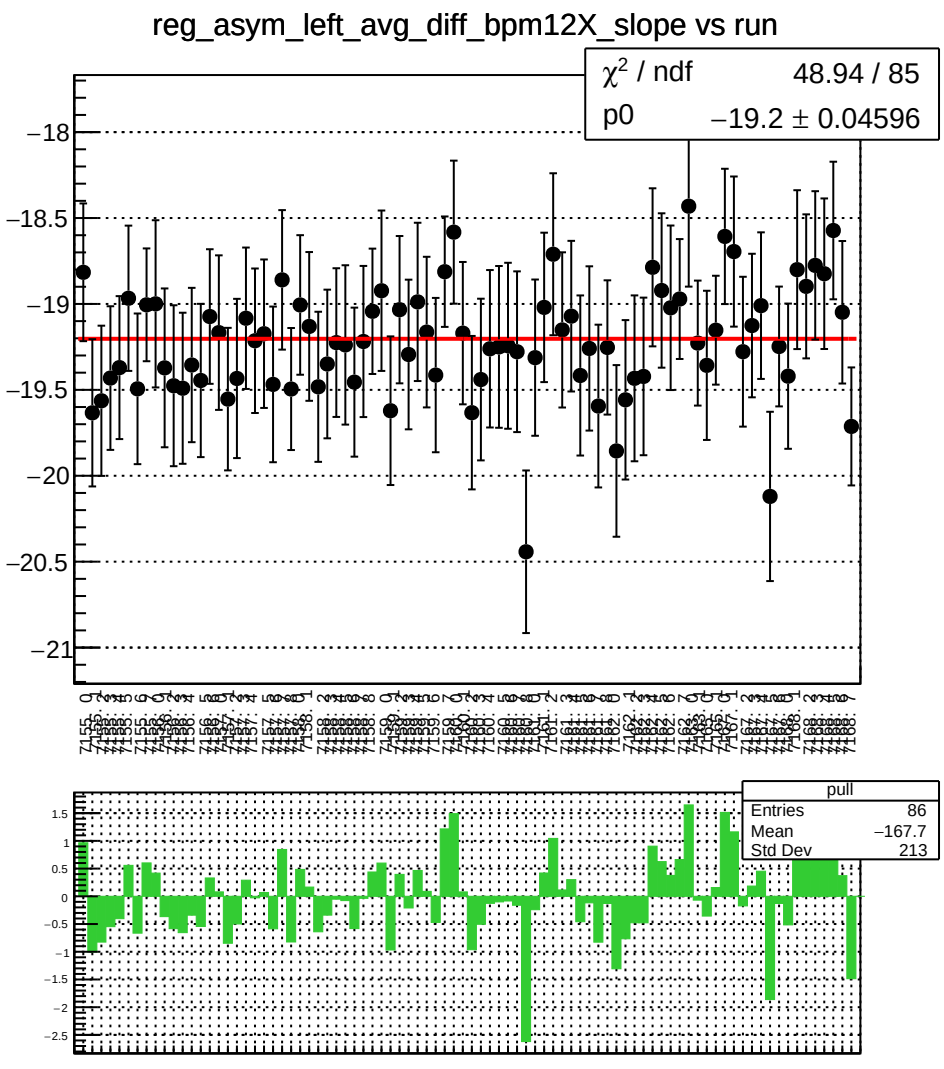

pull1D
Entries 86
Mean −0.01772
Std Dev 0.4945

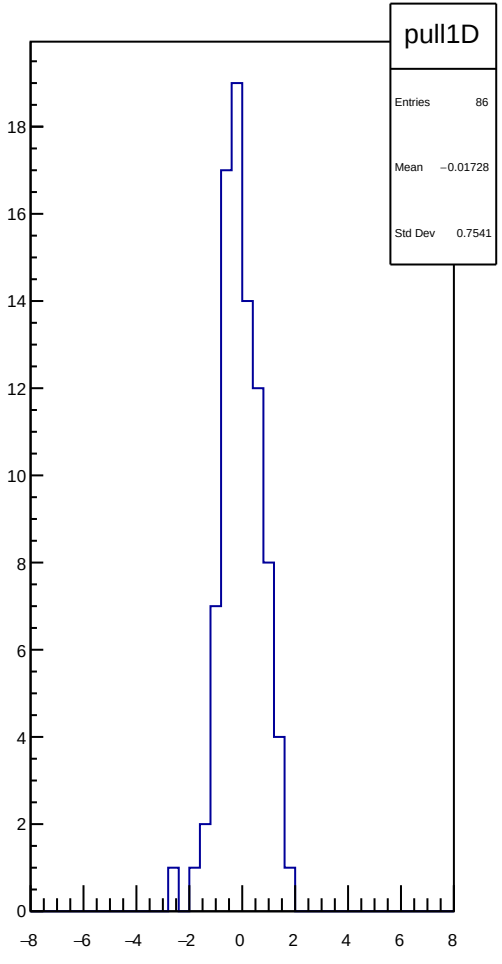

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.85 / 85
p0 0.01802 ± 1.214
pull
Entries 86
Mean −331.8
Std Dev 372.4

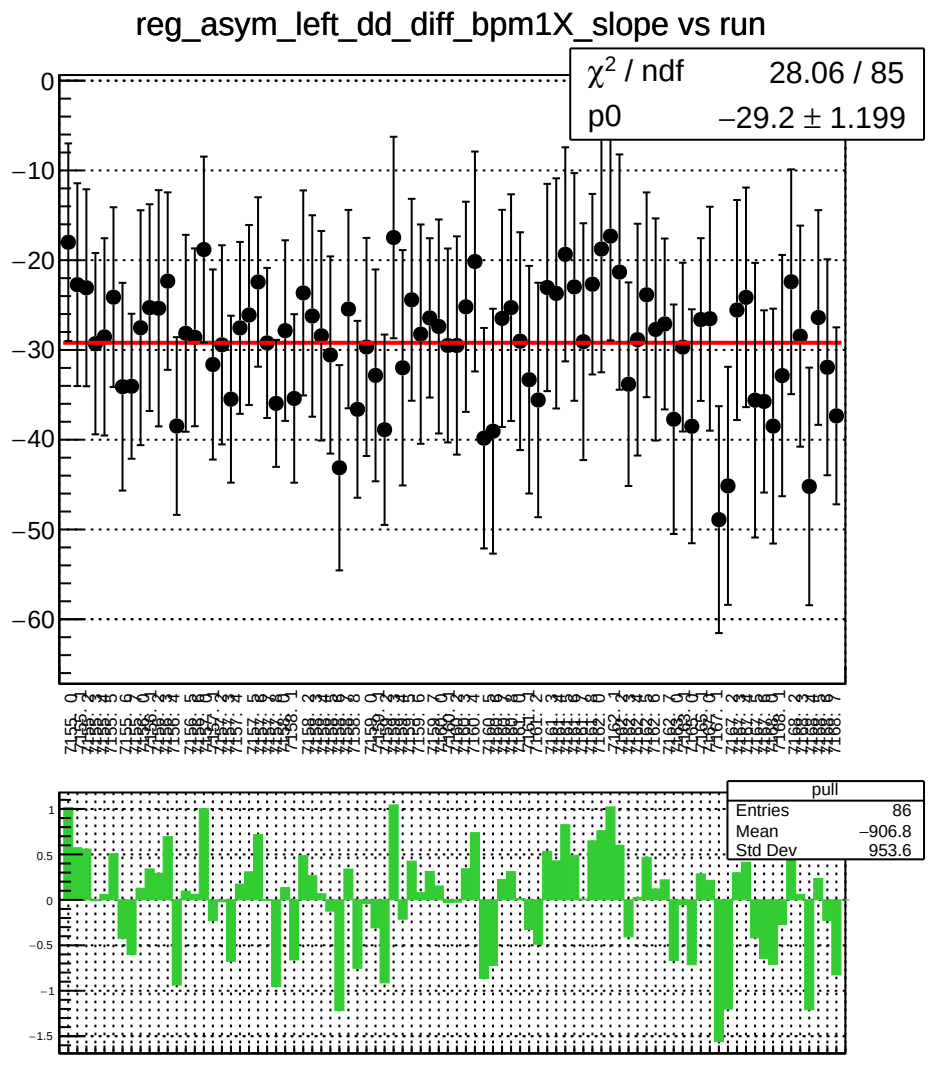

pull1D
Entries 86
Mean −0.005182
Std Dev 0.504

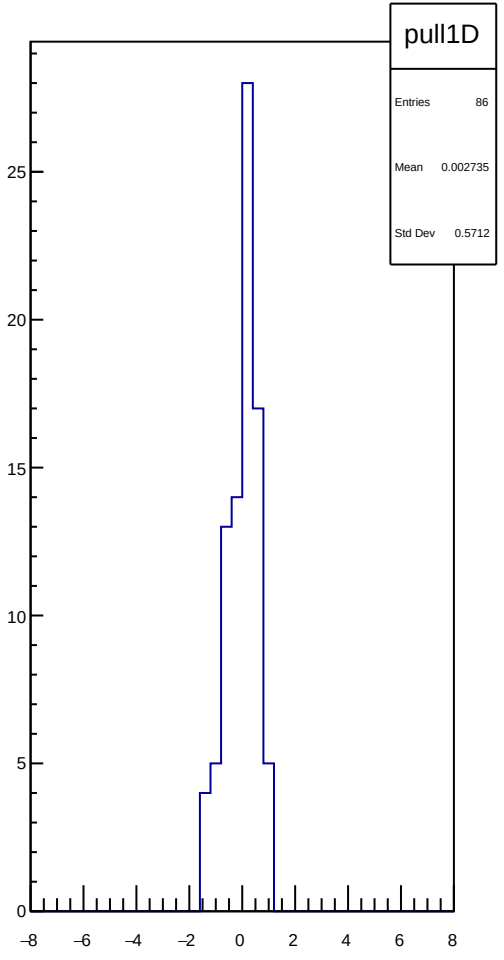

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 20.84 / 85
p0 14.03 ± 1.179
pull
Entries 86
Mean 125.2
Std Dev 94.21

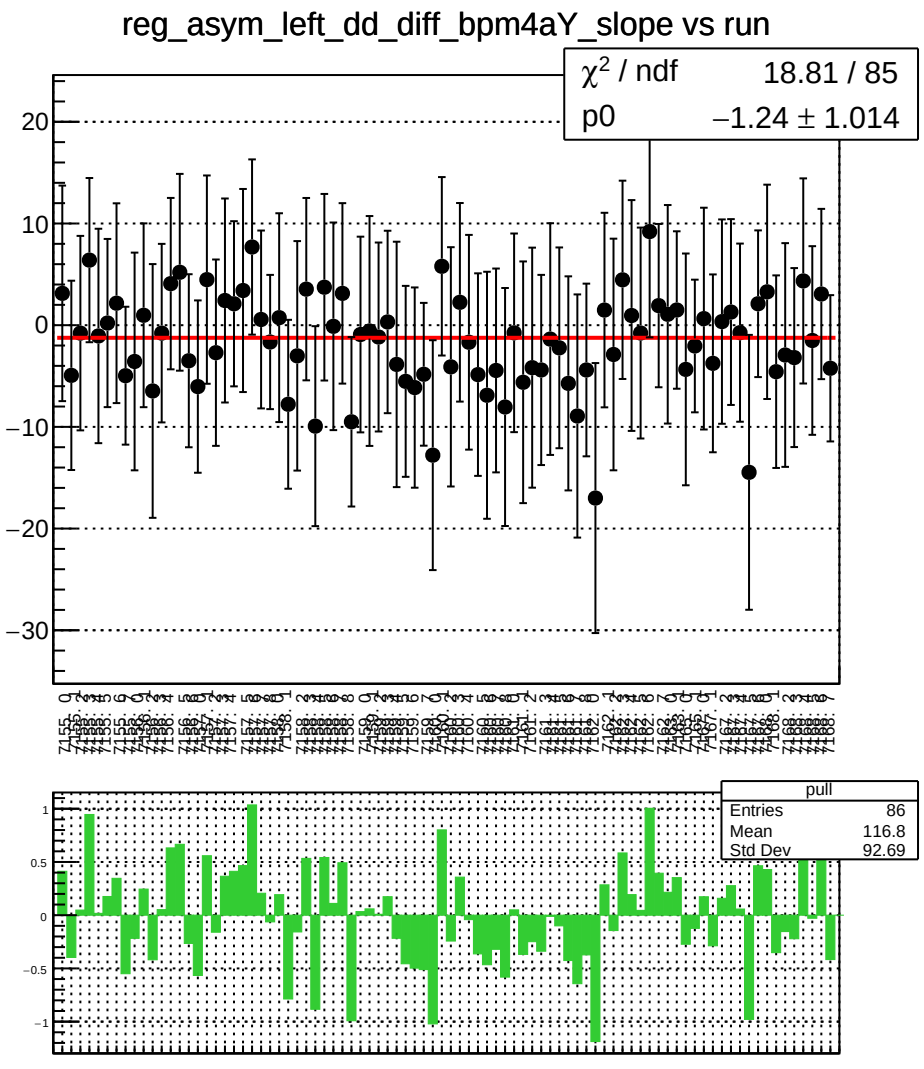

pull1D
Entries 86
Mean 0.01879
Std Dev 0.492

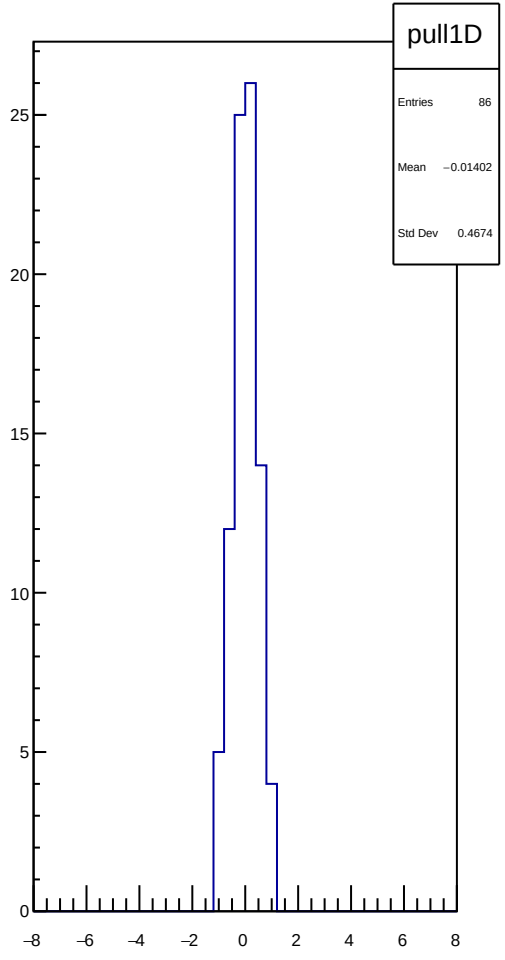

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 48.94 / 85
p0 −19.2 ± 0.04596
pull
Entries 86
Mean −167.7
Std Dev 213

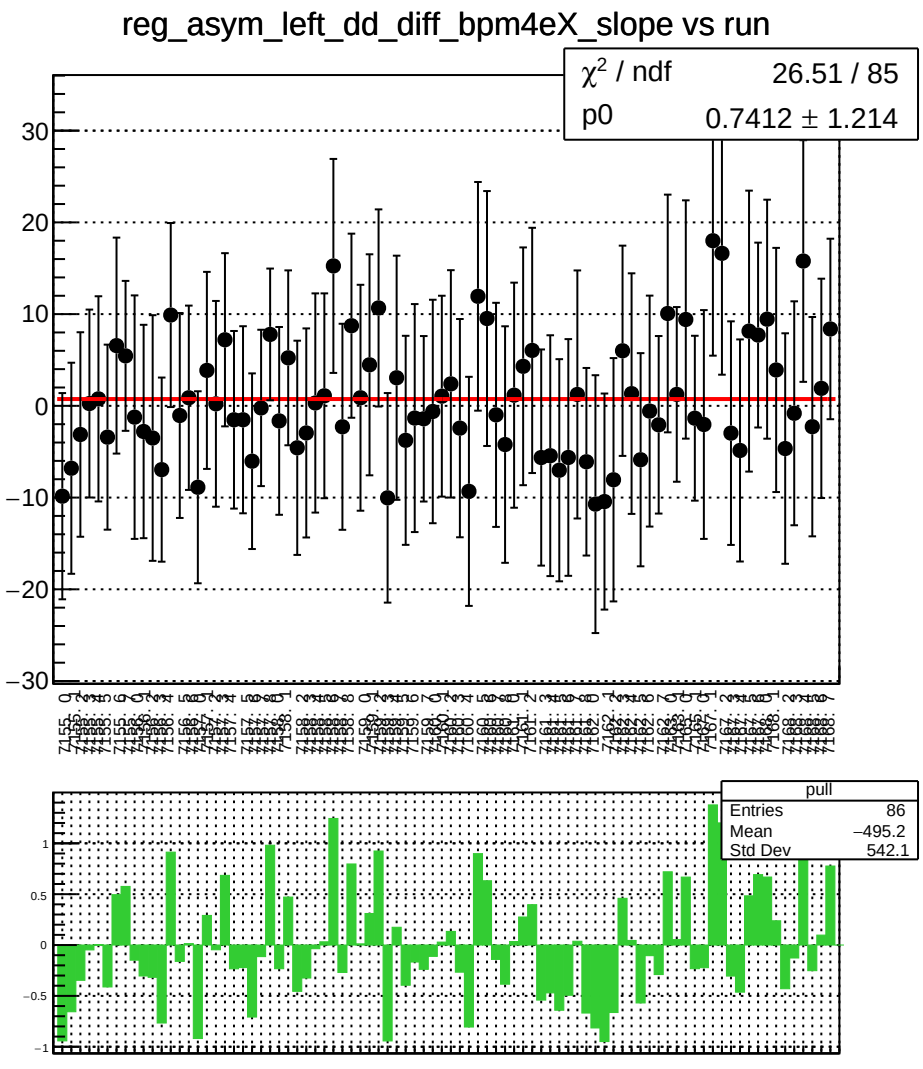

pull1D
Entries 86
Mean −0.01728
Std Dev 0.7541

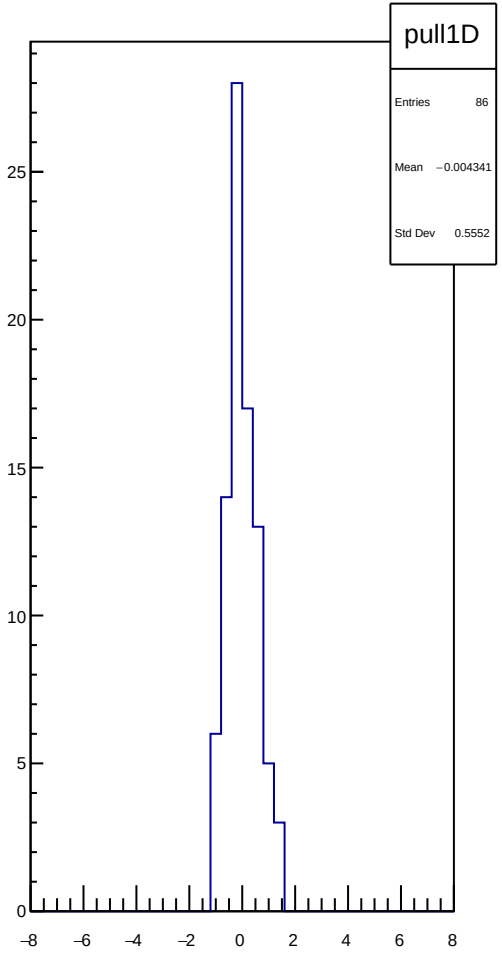

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 28.06 / 85
p0 −29.2 ± 1.199
pull
Entries 86
Mean −906.8
Std Dev 953.6

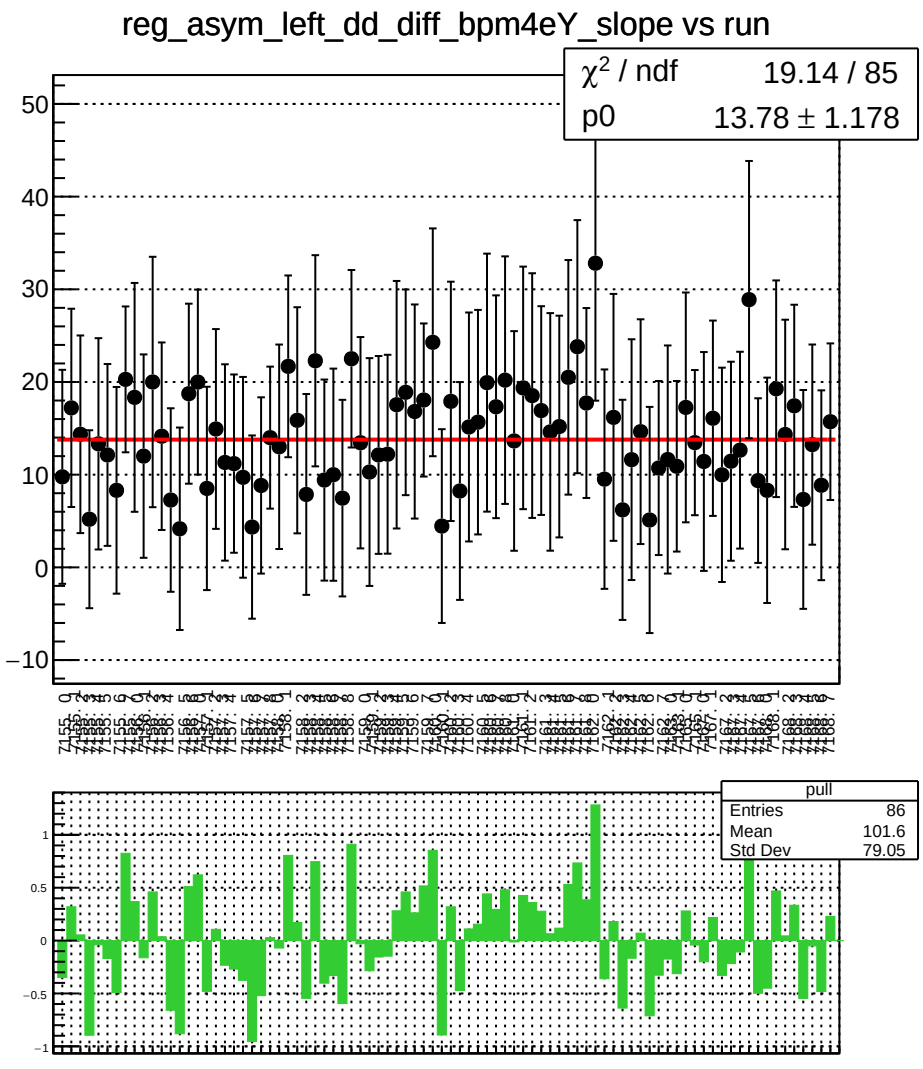

pull1D
Entries 86
Mean 0.002735
Std Dev 0.5712

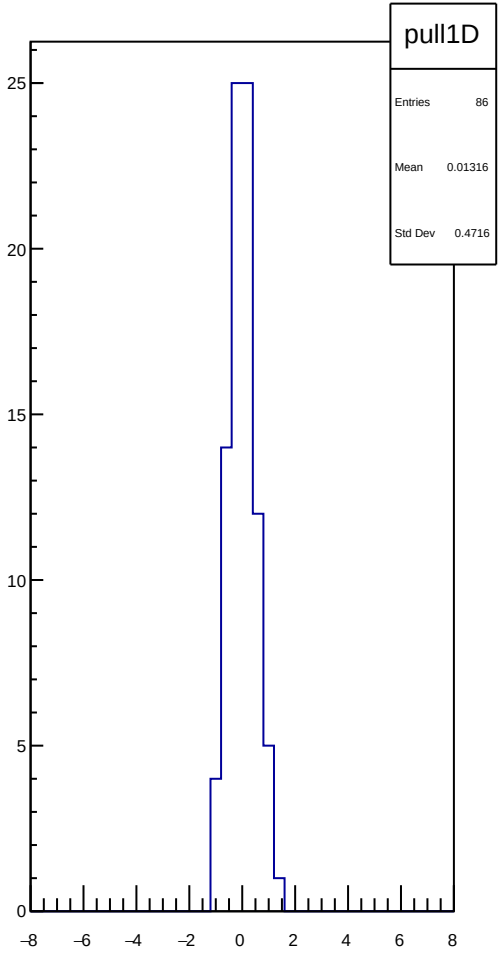

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.81 / 85
p0 −1.24 ± 1.014
pull
Entries 86
Mean 116.8
Std Dev 92.69

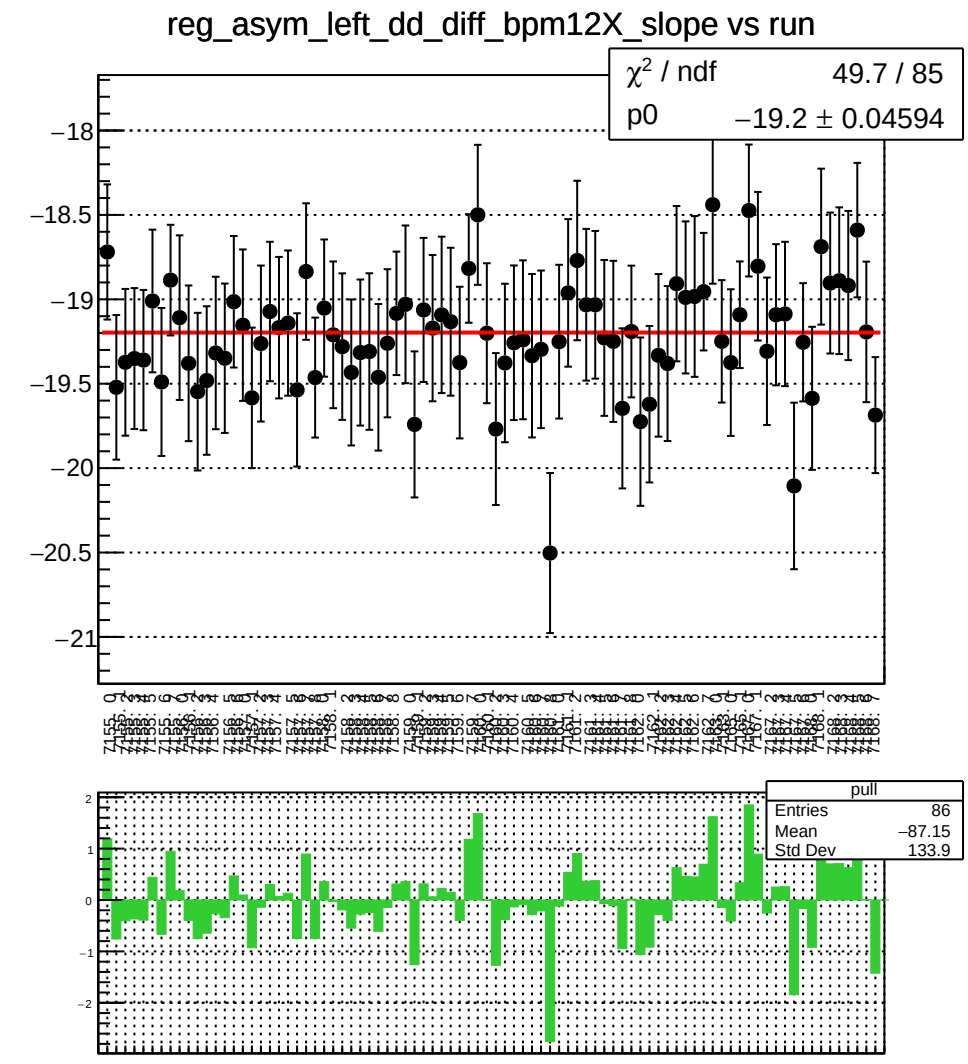

pull1D
Entries 86
Mean −0.01402
Std Dev 0.4674

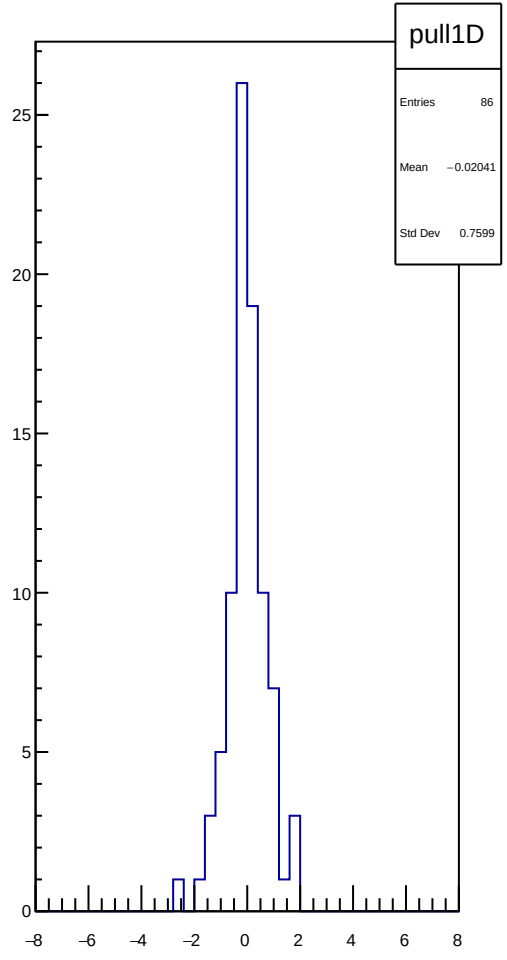

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.51 / 85
p0 0.7412 ± 1.214
pull
Entries 86
Mean −495.2
Std Dev 542.1

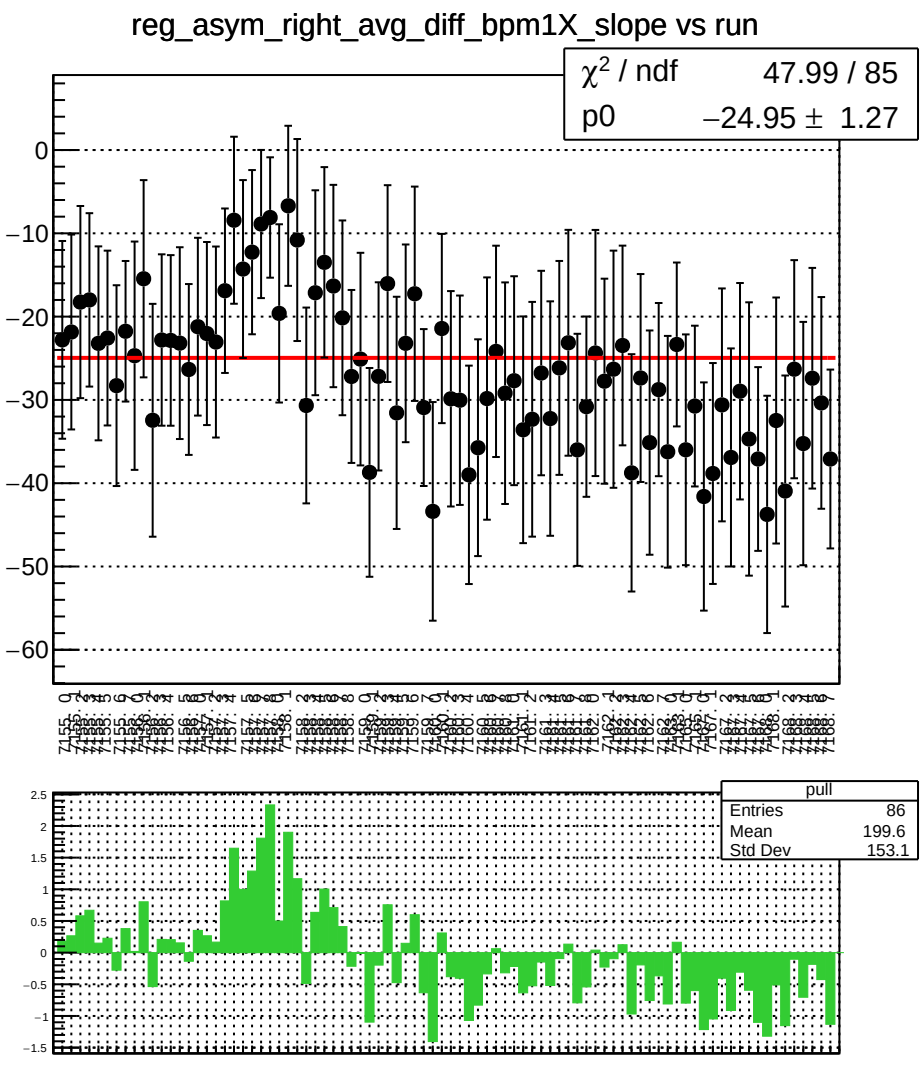

pull1D
Entries 86
Mean −0.004341
Std Dev 0.5552

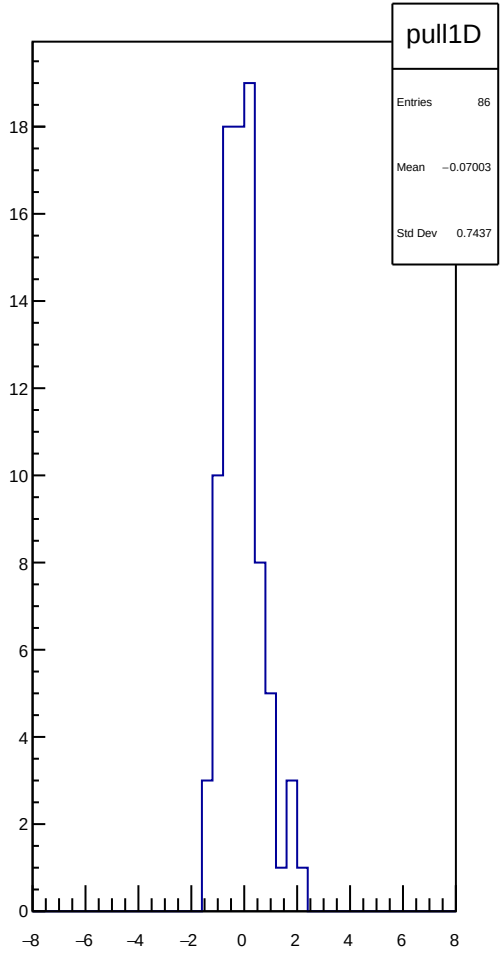

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.14 / 85
p0 13.78 ± 1.178
pull
Entries 86
Mean 101.6
Std Dev 79.05

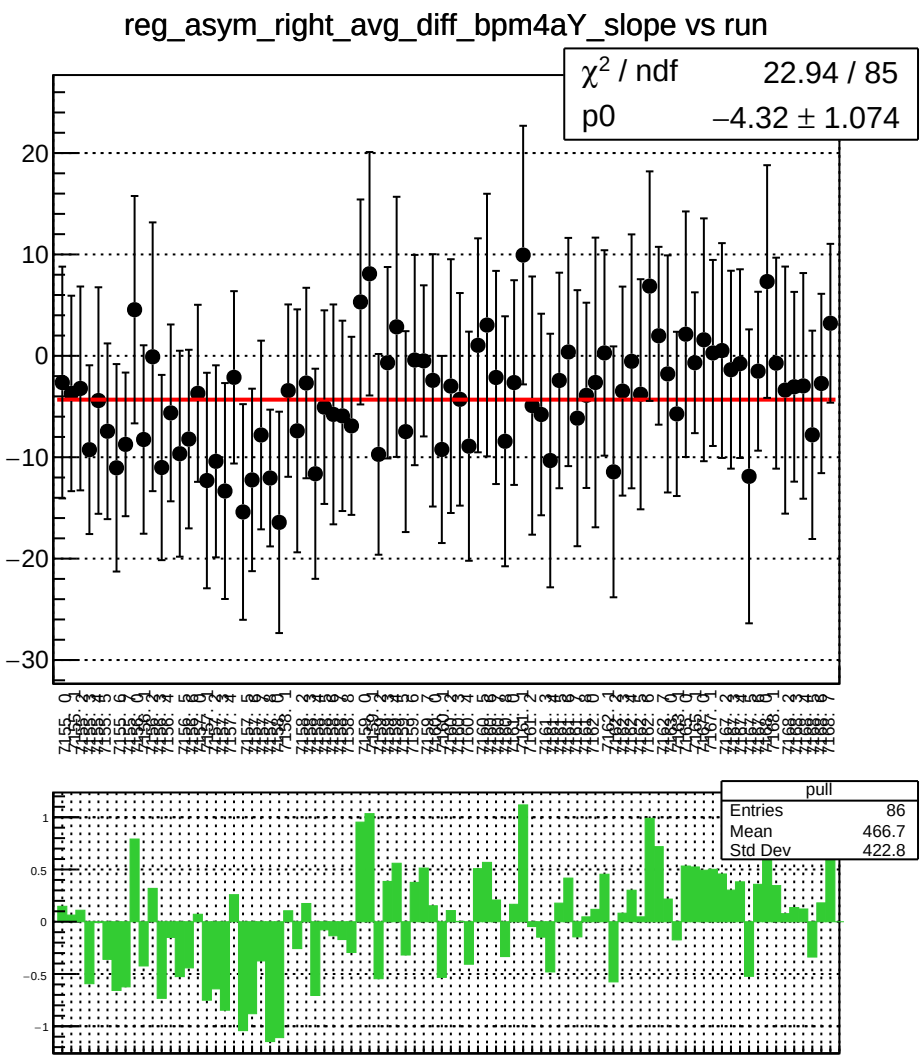

pull1D
Entries 86
Mean 0.01316
Std Dev 0.4716

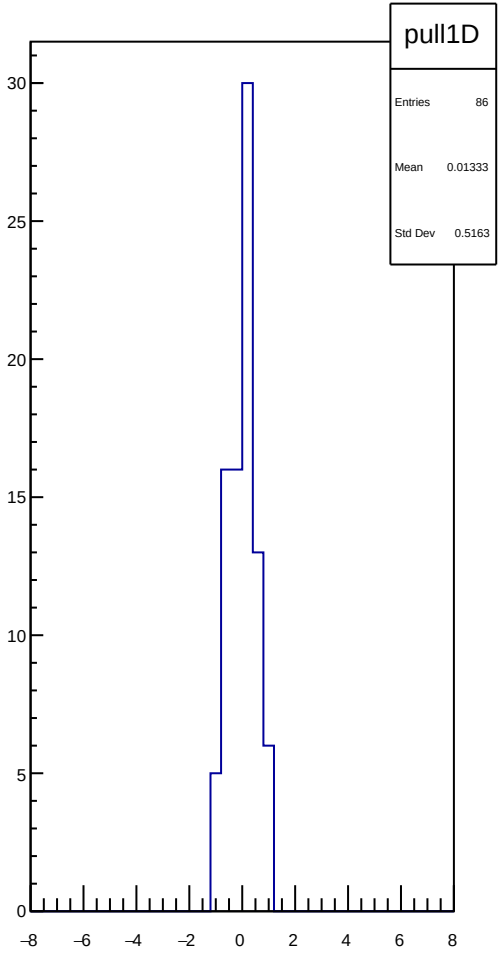

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 49.7 / 85
p0 −19.2 ± 0.04594
−18
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 86
Mean −87.15
Std Dev 133.9
2
1
0
−1
−2

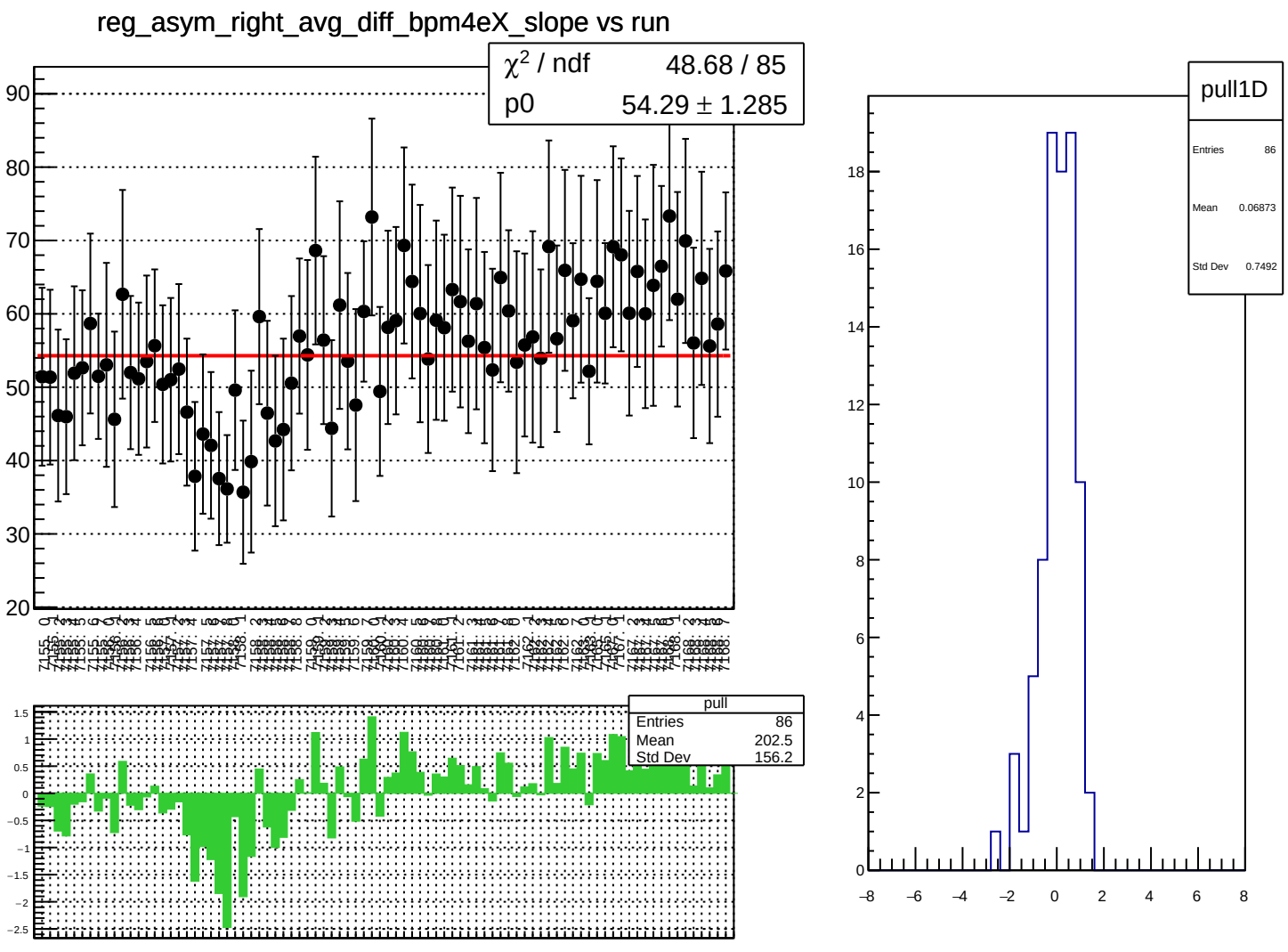

pull1D
Entries 86
Mean −0.02041
Std Dev 0.7599
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

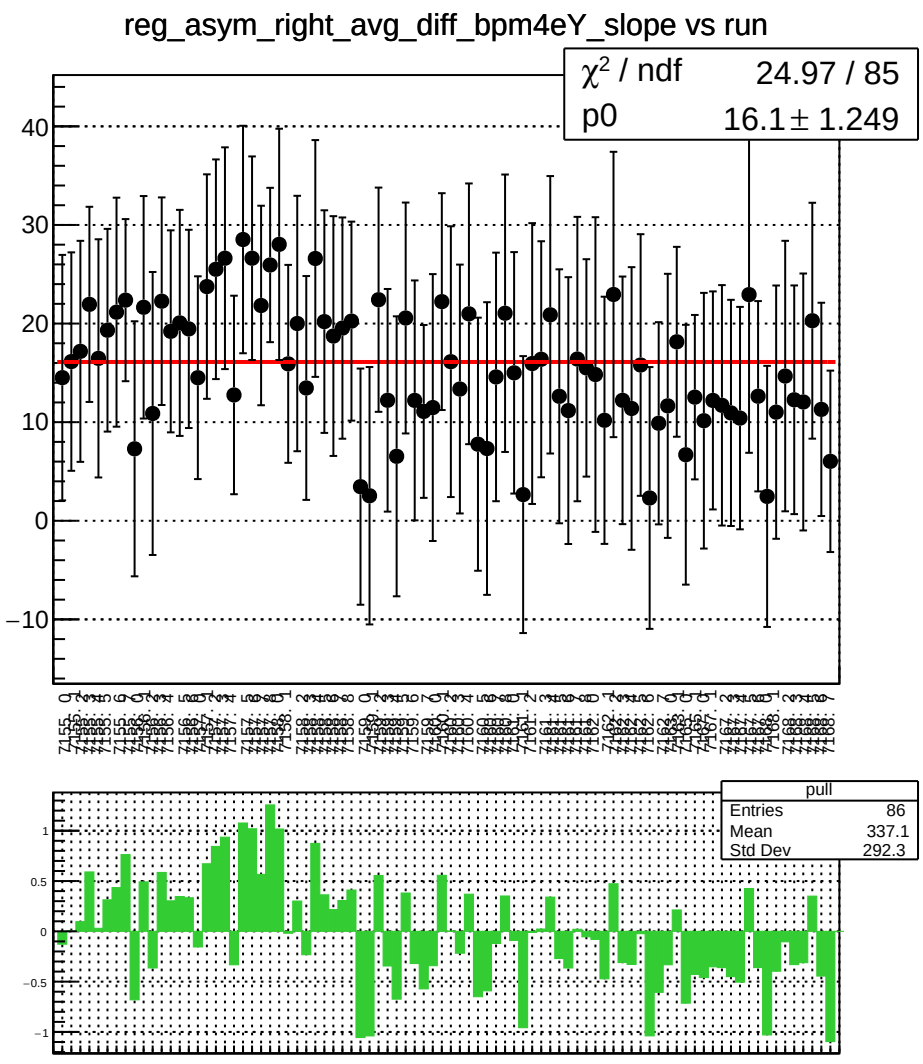

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 47.99 / 85
p0 −24.95 ± 1.27
pull
Entries 86
Mean 199.6
Std Dev 153.1

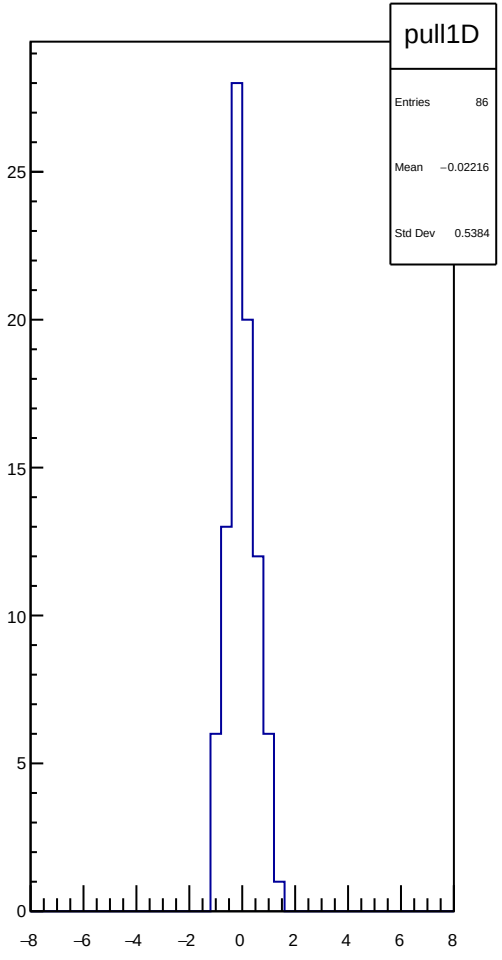

pull1D
Entries 86
Mean −0.07003
Std Dev 0.7437

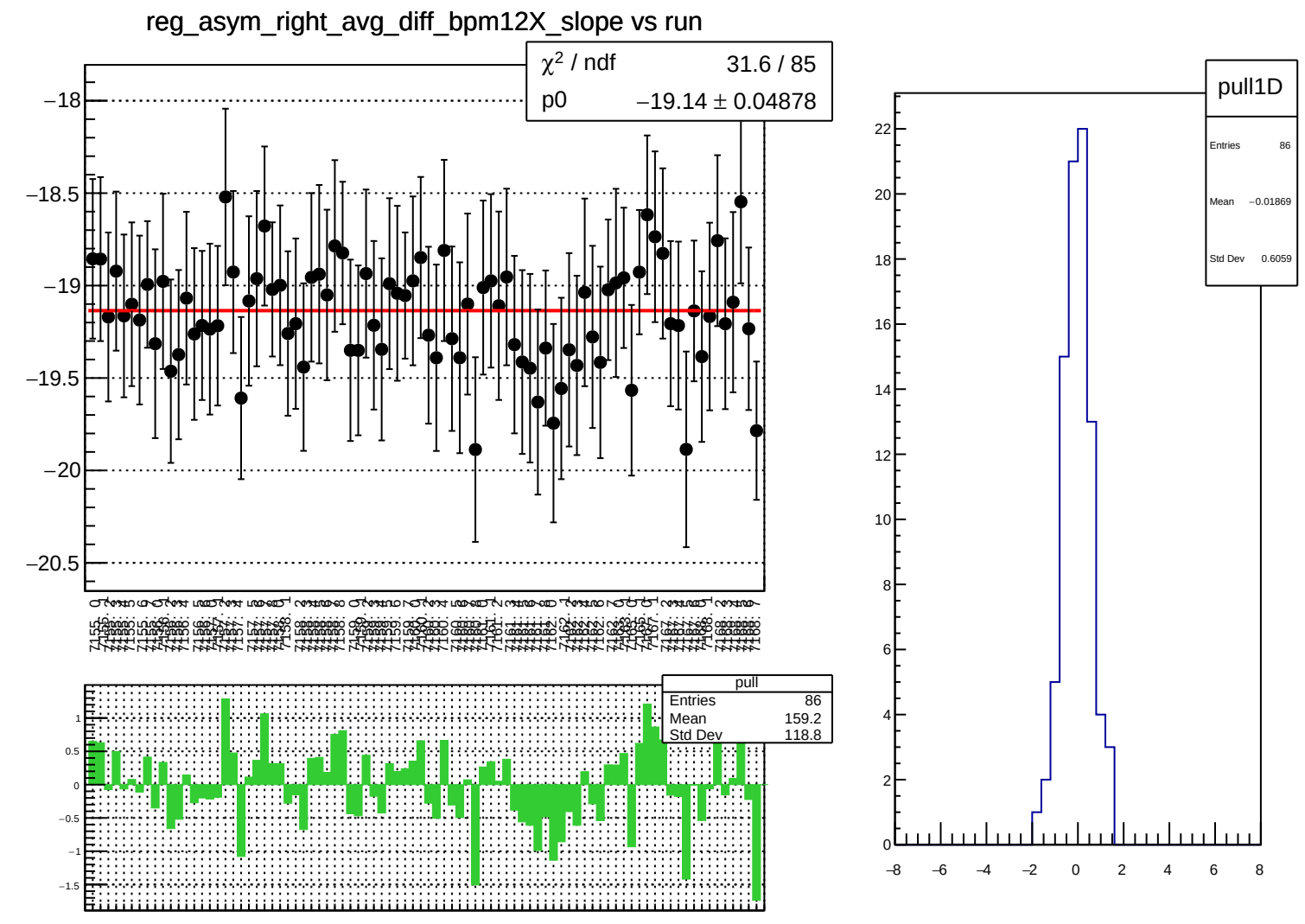

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.94 / 85
p0 −4.32 ± 1.074
pull
Entries 86
Mean 466.7
Std Dev 422.8

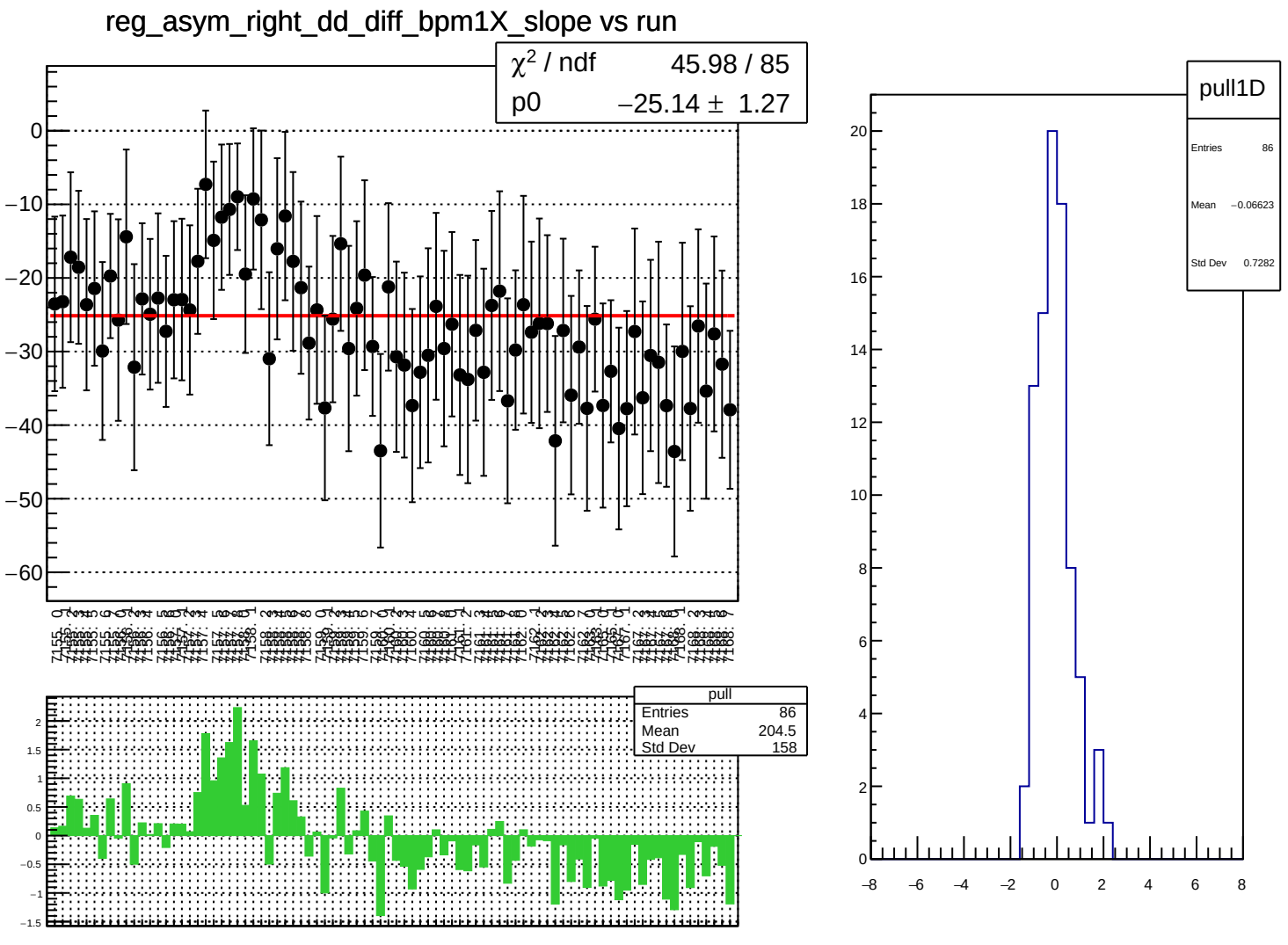

pull1D
Entries 86
Mean 0.01333
Std Dev 0.5163

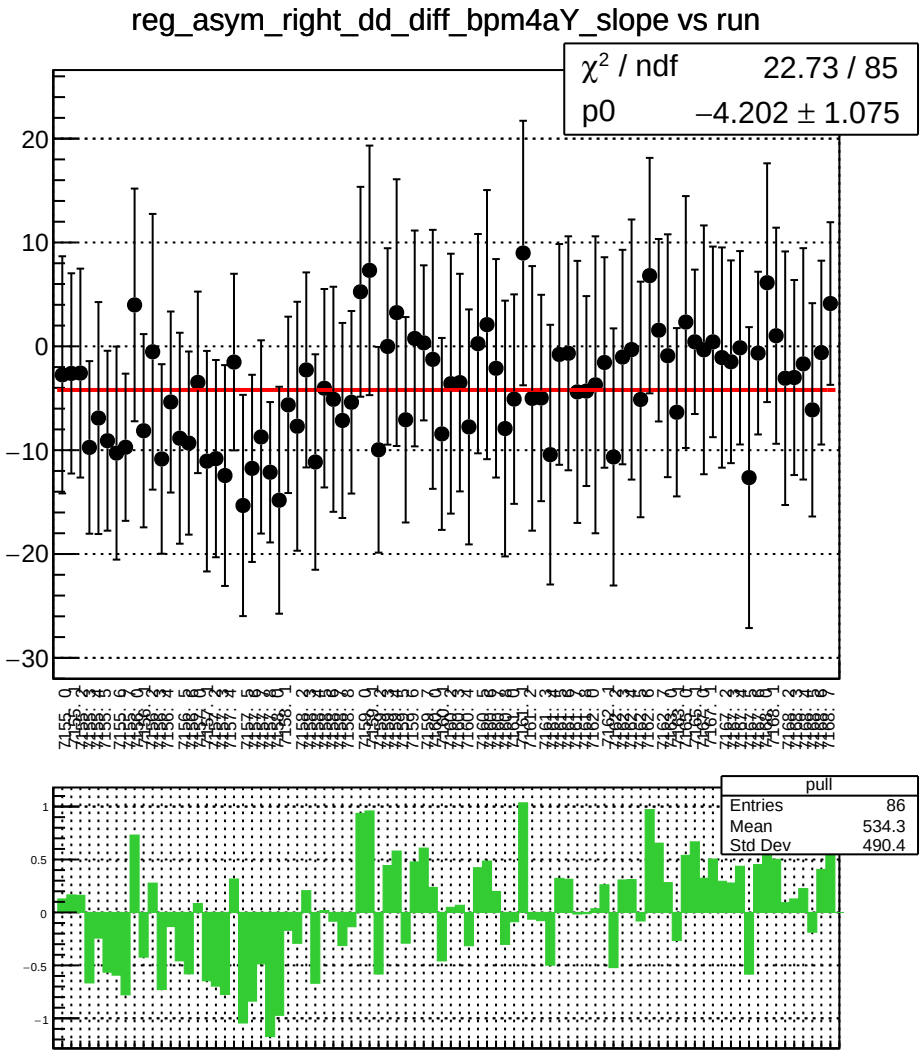

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.68 / 85
p0 54.29 ± 1.285
pull
Entries 86
Mean 202.5
Std Dev 156.2
pull1D
Entries 86
Mean 0.06873
Std Dev 0.7492

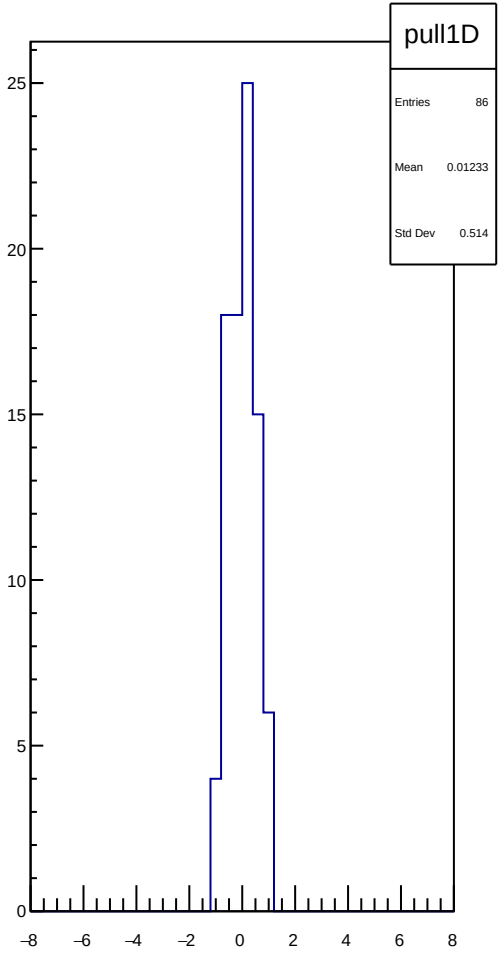

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.97 / 85
p0 16.1 ± 1.249
pull
Entries 86
Mean 337.1
Std Dev 292.3

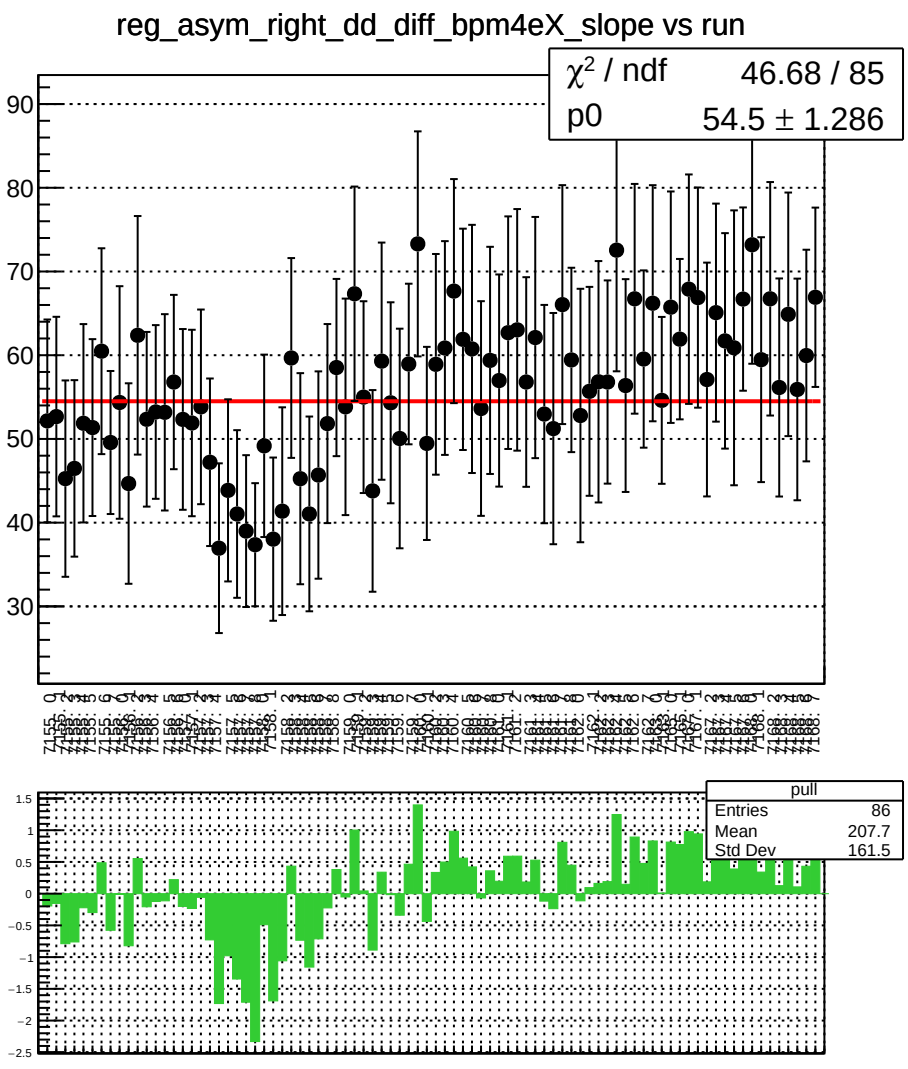

pull1D
Entries 86
Mean −0.02216
Std Dev 0.5384

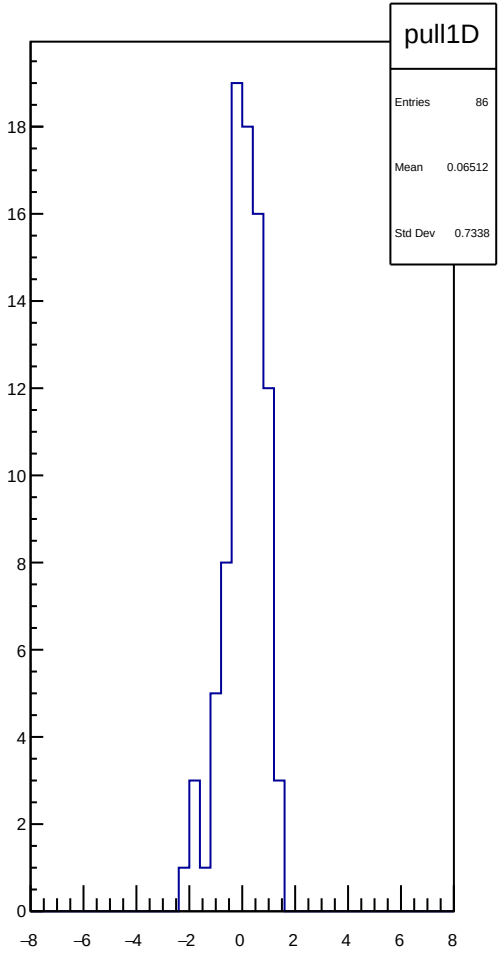

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 31.6 / 85
p0 −19.14 ± 0.04878
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 86
Mean 159.2
Std Dev 118.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.01869
Std Dev 0.6059
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

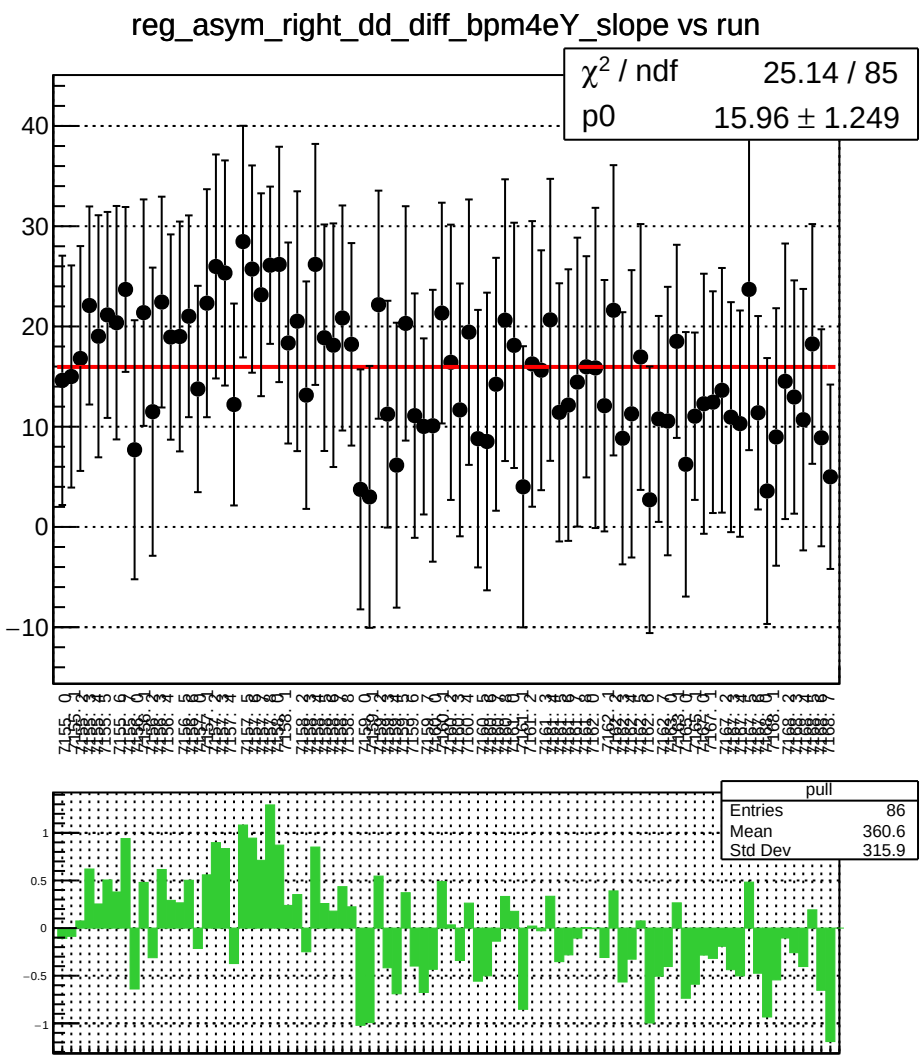

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 45.98 / 85
p0 −25.14 ± 1.27
pull
Entries 86
Mean 204.5
Std Dev 158
pull1D
Entries 86
Mean −0.06623
Std Dev 0.7282

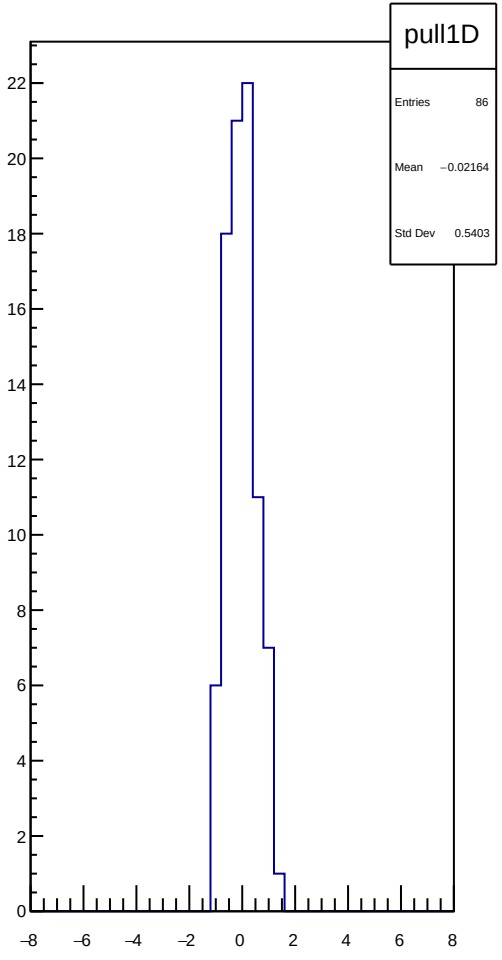

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.73 / 85
p0 −4.202 ± 1.075
pull
Entries 86
Mean 534.3
Std Dev 490.4

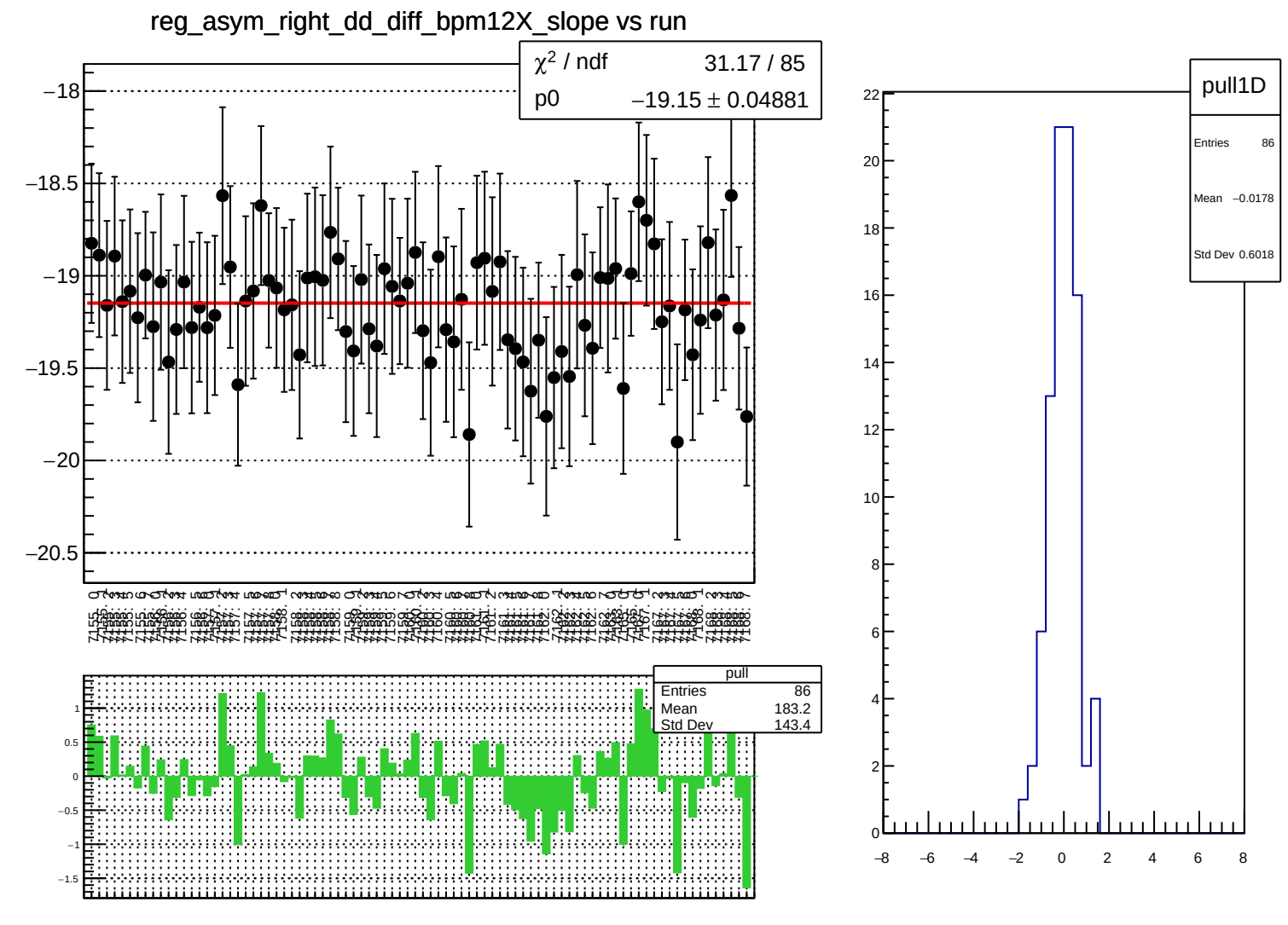

pull1D
Entries 86
Mean 0.01233
Std Dev 0.514

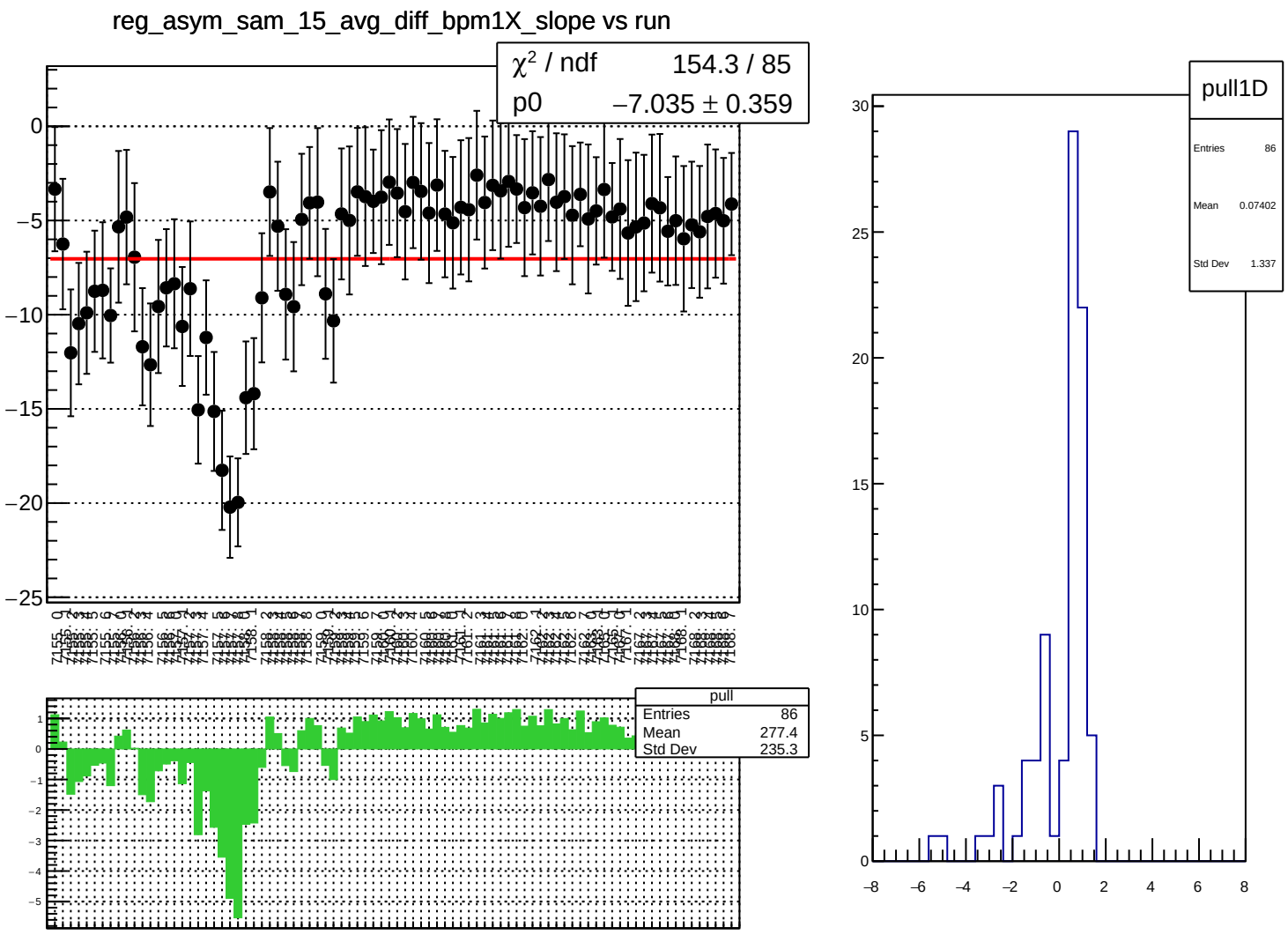

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.68 / 85
p0 54.5 ± 1.286
pull
Entries 86
Mean 207.7
Std Dev 161.5

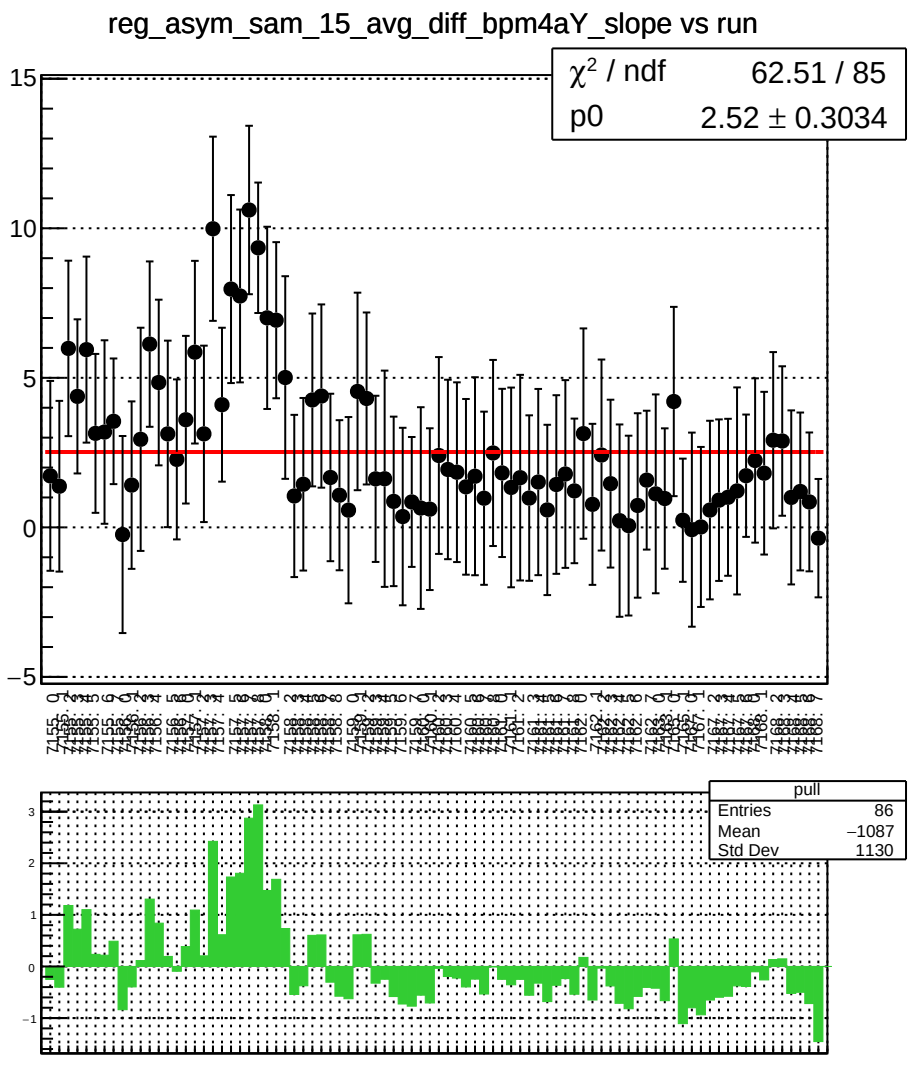

pull1D
Entries 86
Mean 0.06512
Std Dev 0.7338

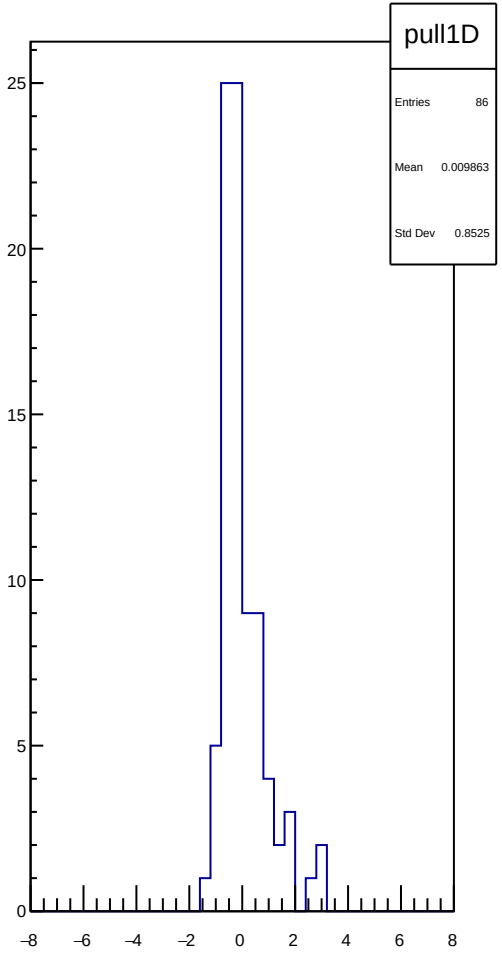

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.14 / 85
p0 15.96 ± 1.249
pull
Entries 86
Mean 360.6
Std Dev 315.9

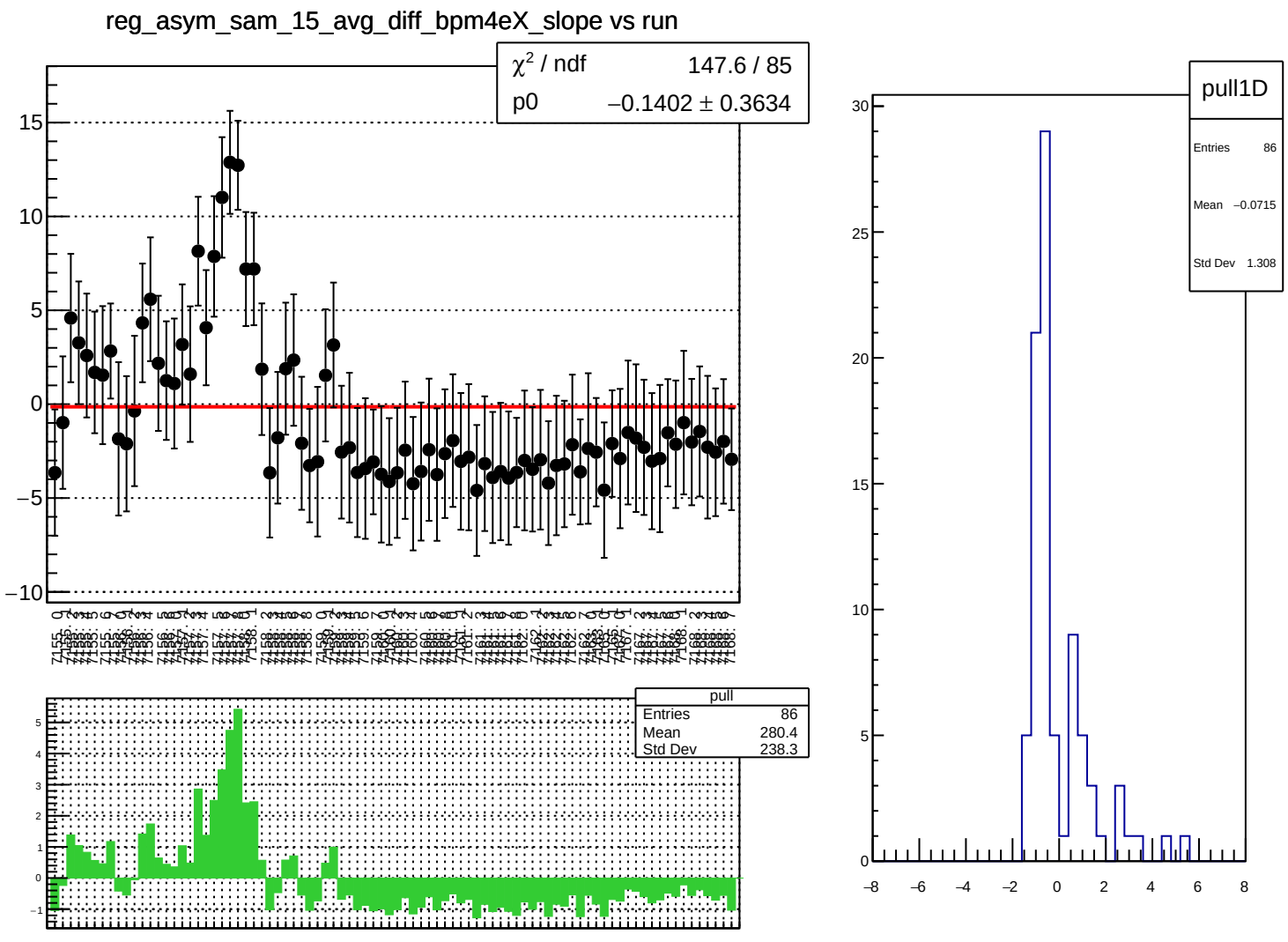

pull1D
Entries 86
Mean −0.02164
Std Dev 0.5403

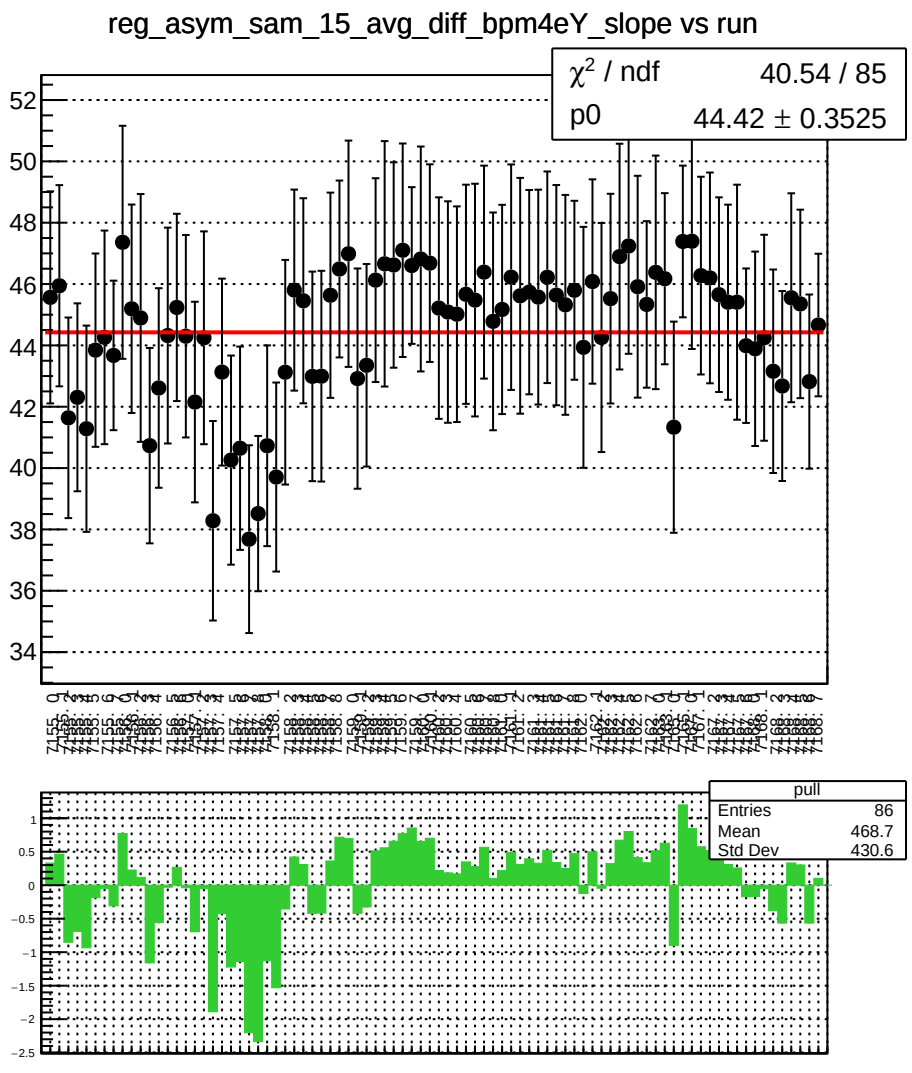

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 31.17 / 85
p0 −19.15 ± 0.04881
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 86
Mean 183.2
Std Dev 143.4
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.0178
Std Dev 0.6018
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

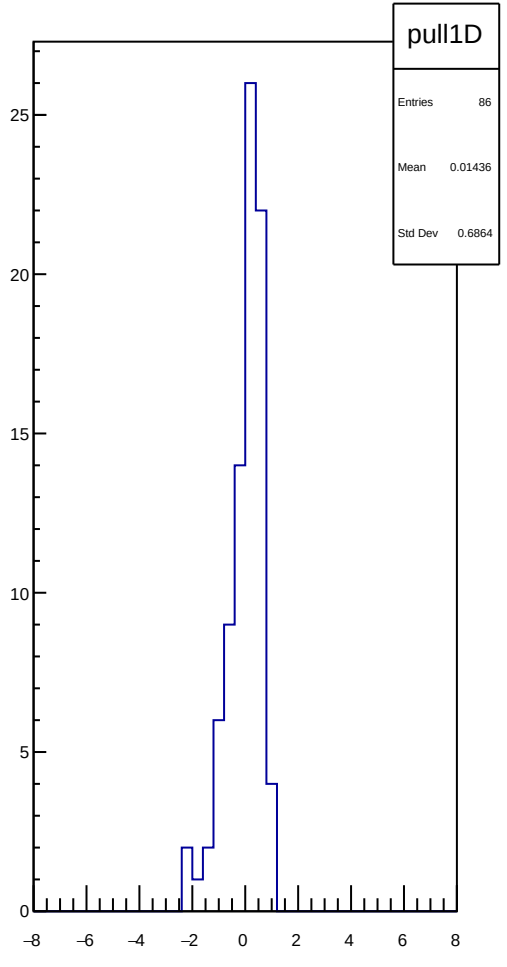

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 154.3 / 85
p0 −7.035 ± 0.359
pull
Entries 86
Mean 277.4
Std Dev 235.3
pull1D
Entries 86
Mean 0.07402
Std Dev 1.337

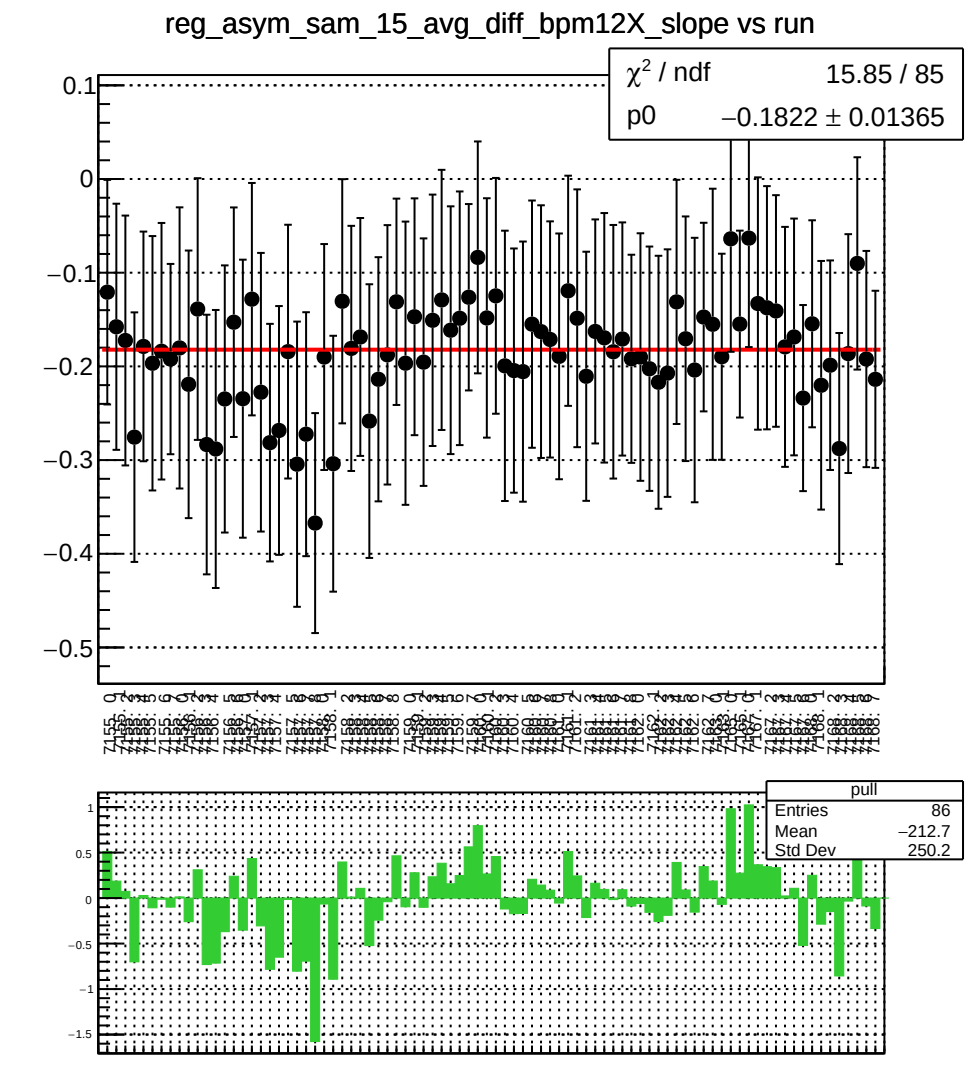

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.51 / 85
p0 2.52 ± 0.3034
pull
Entries 86
Mean −1087
Std Dev 1130

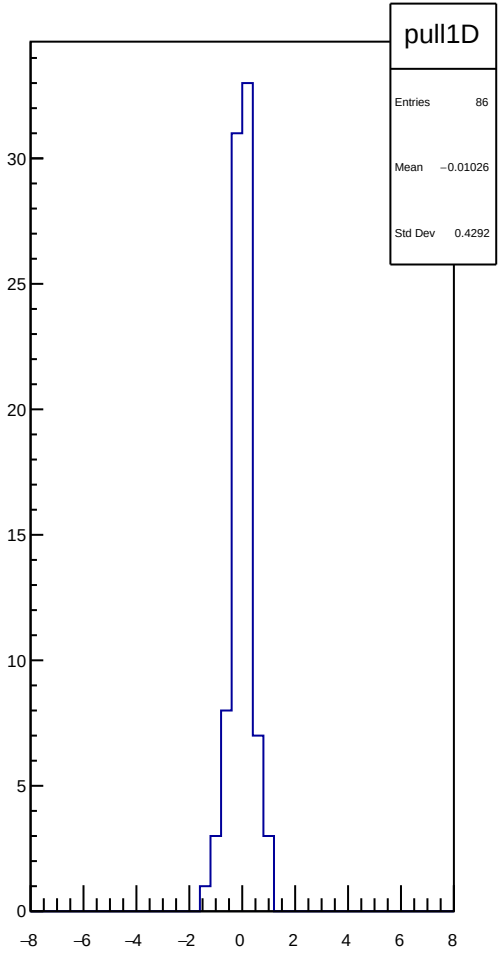

pull1D
Entries 86
Mean 0.009863
Std Dev 0.8525

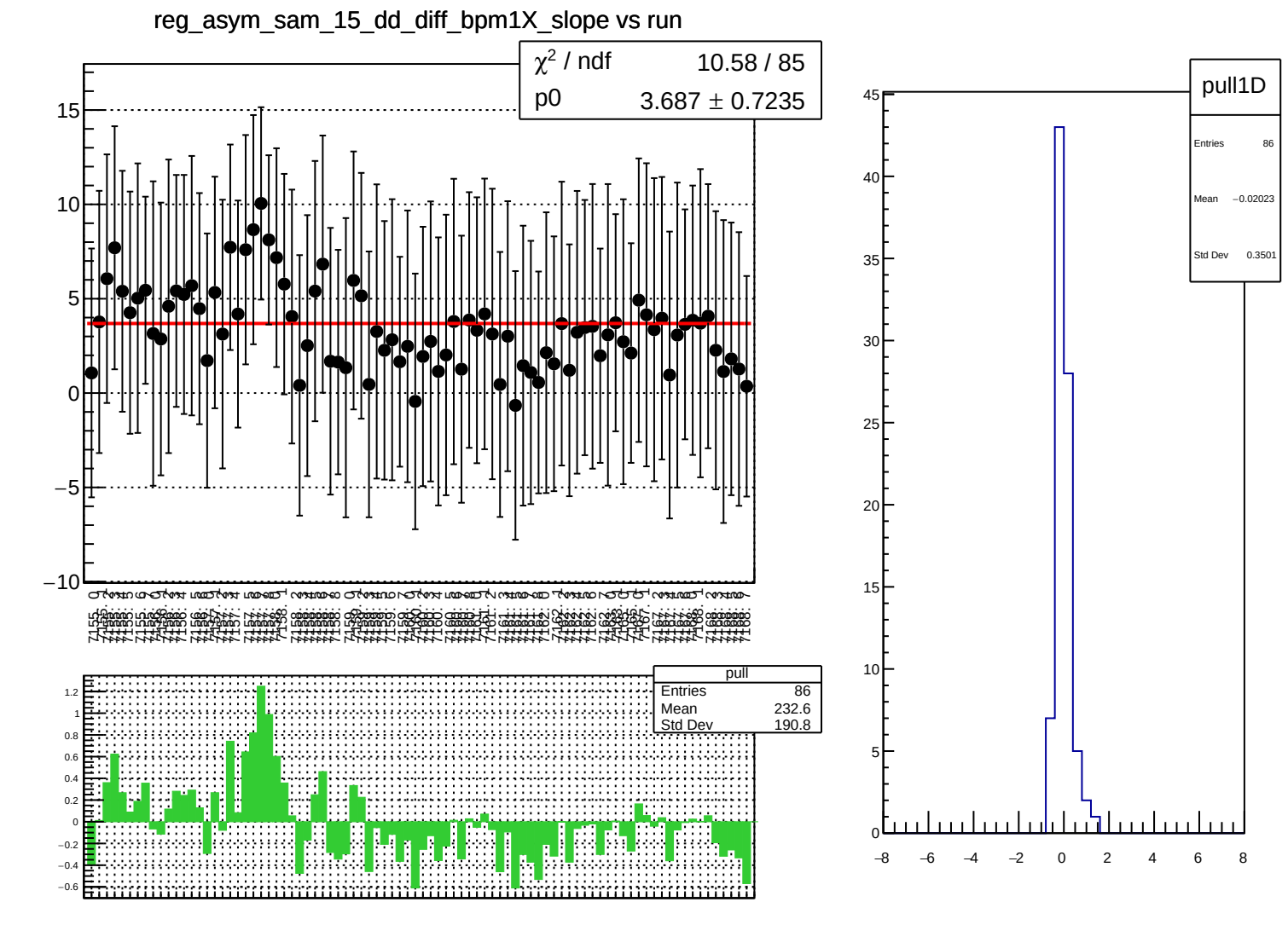

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 147.6 / 85
p0 −0.1402 ± 0.3634
pull
Entries 86
Mean 280.4
Std Dev 238.3
pull1D
Entries 86
Mean −0.0715
Std Dev 1.308

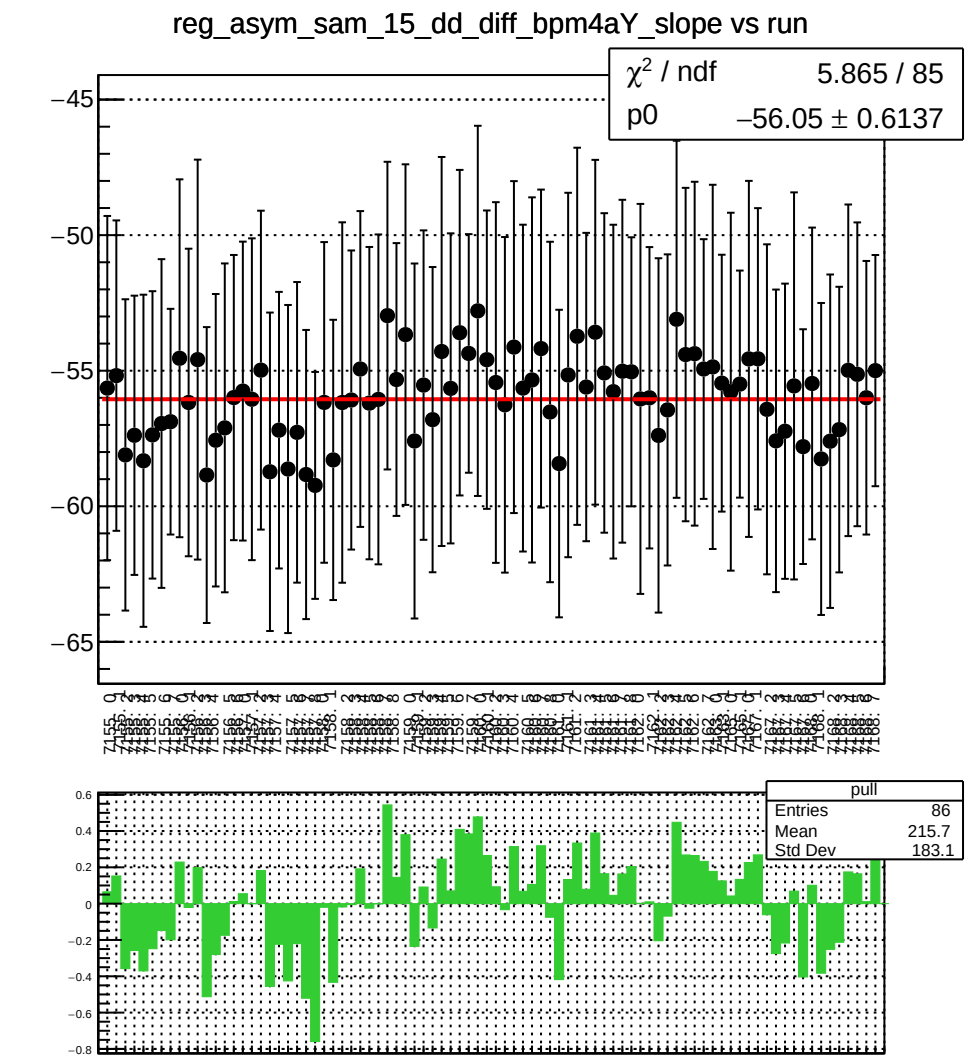

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.54 / 85
p0 44.42 ± 0.3525
pull
Entries 86
Mean 468.7
Std Dev 430.6

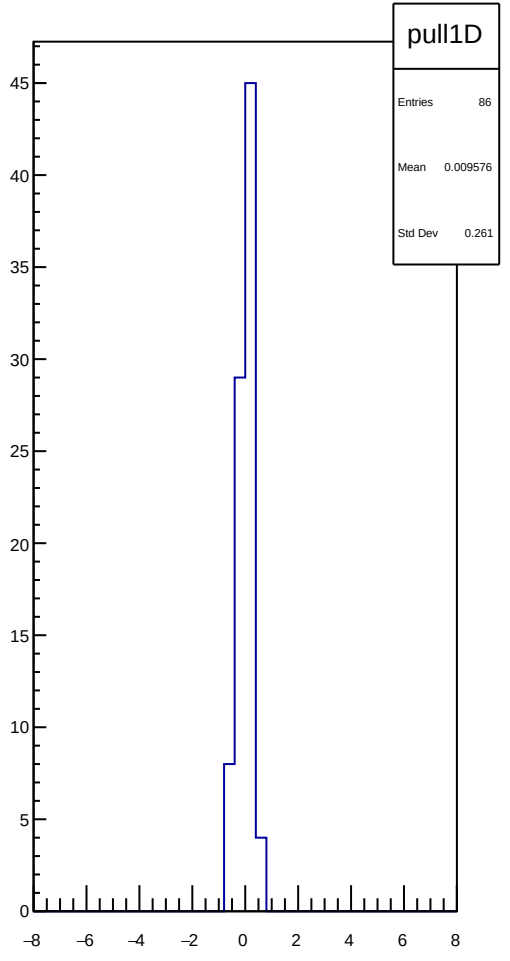

pull1D
Entries 86
Mean 0.01436
Std Dev 0.6864

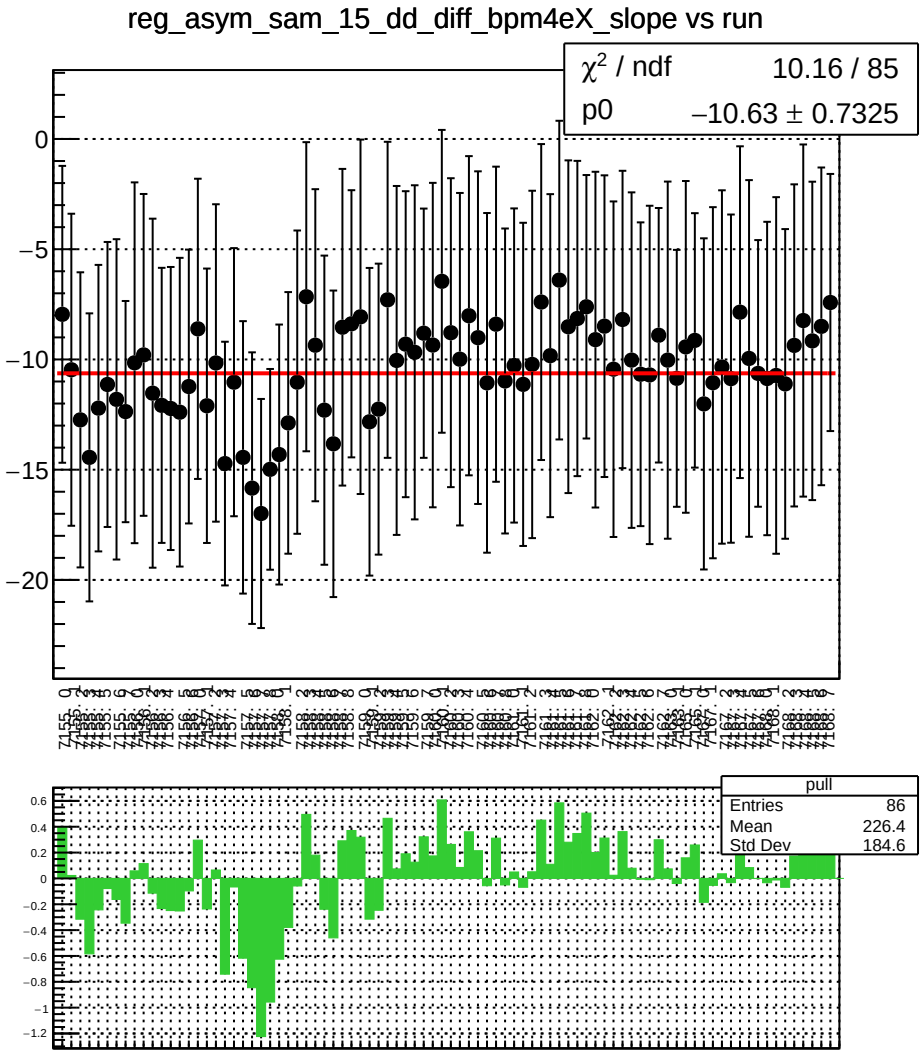

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 15.85 / 85
p0 −0.1822 ± 0.01365
pull
Entries 86
Mean −212.7
Std Dev 250.2

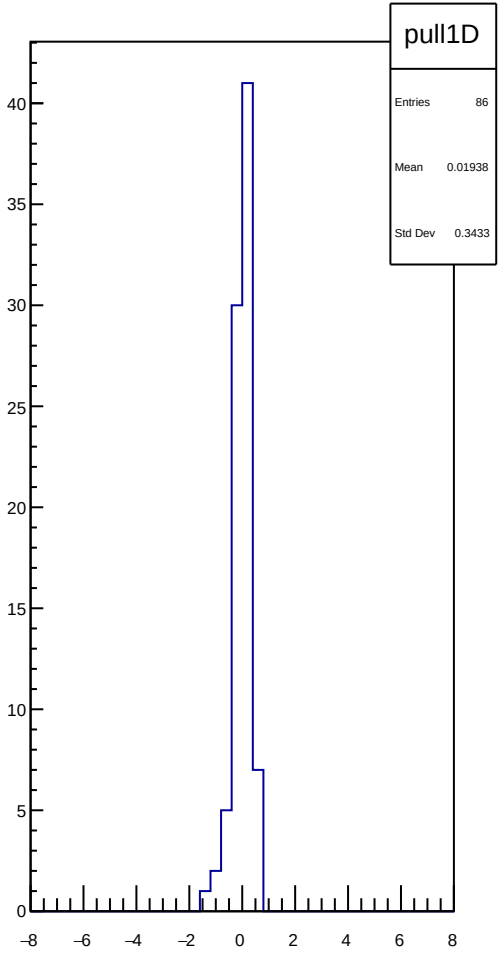

pull1D
Entries 86
Mean −0.01026
Std Dev 0.4292

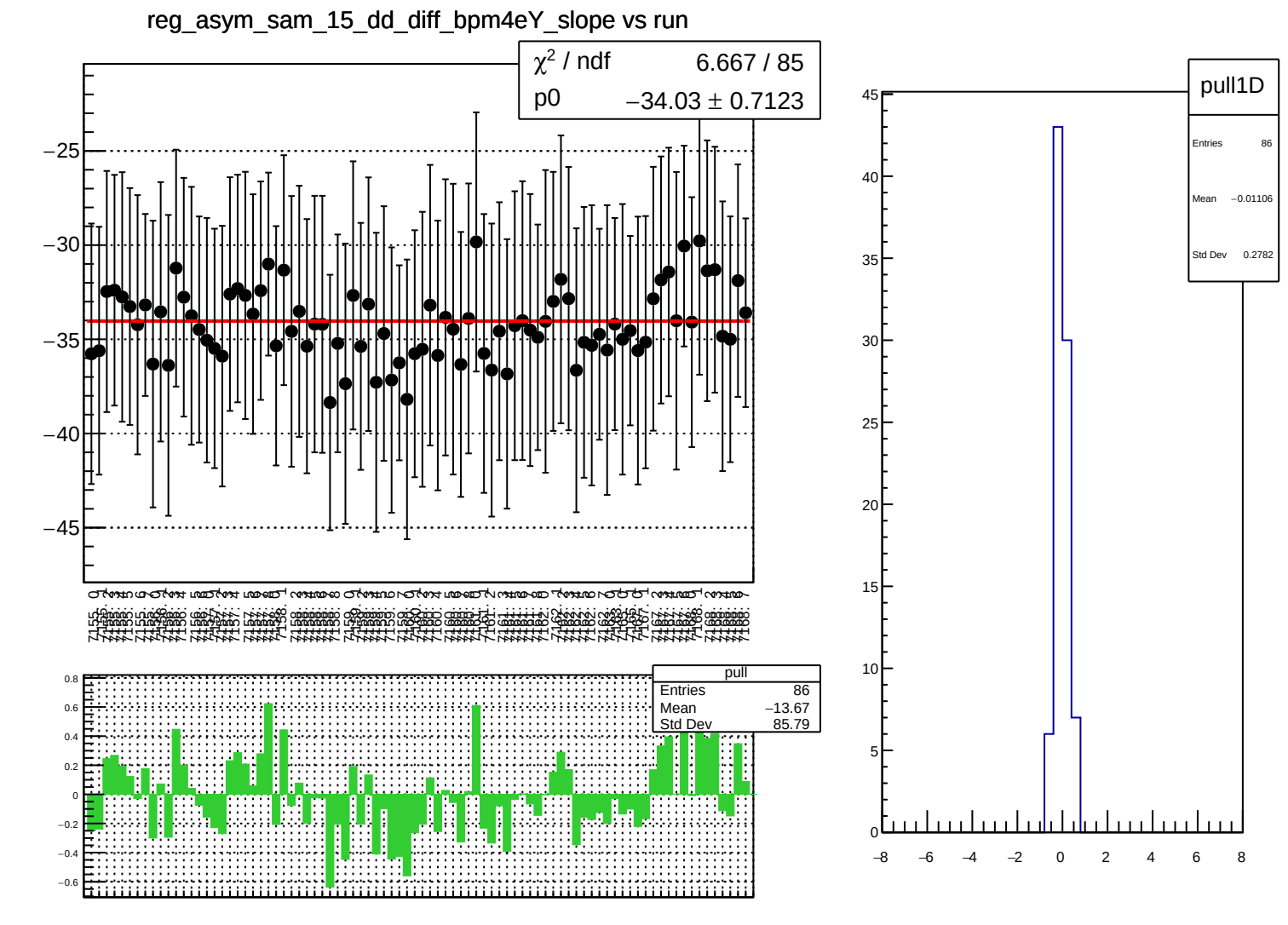

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 10.58 / 85
p0 3.687 ± 0.7235
pull
Entries 86
Mean 232.6
Std Dev 190.8
pull1D
Entries 86
Mean −0.02023
Std Dev 0.3501

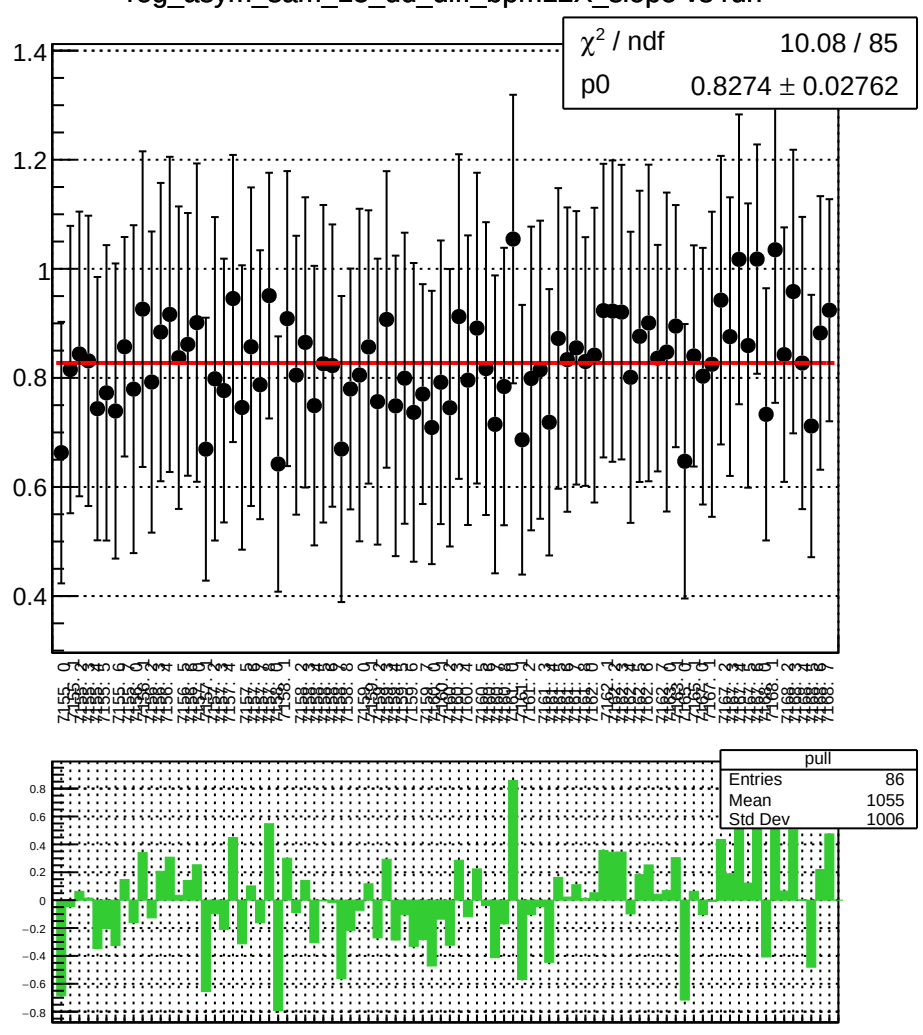

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.865 / 85
p0 −56.05 ± 0.6137
−45
−50
−55
−60
−65
pull
Entries 86
Mean 215.7
Std Dev 183.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

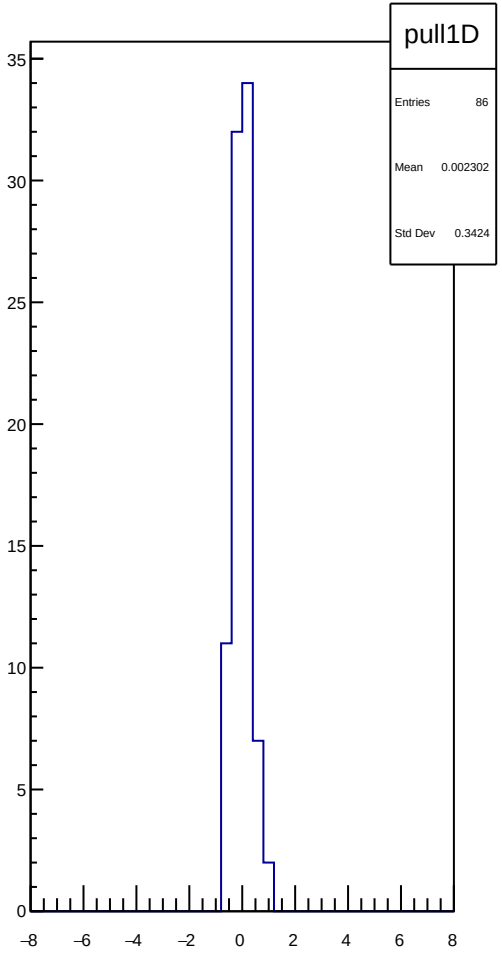

pull1D
Entries 86
Mean 0.009576
Std Dev 0.261
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

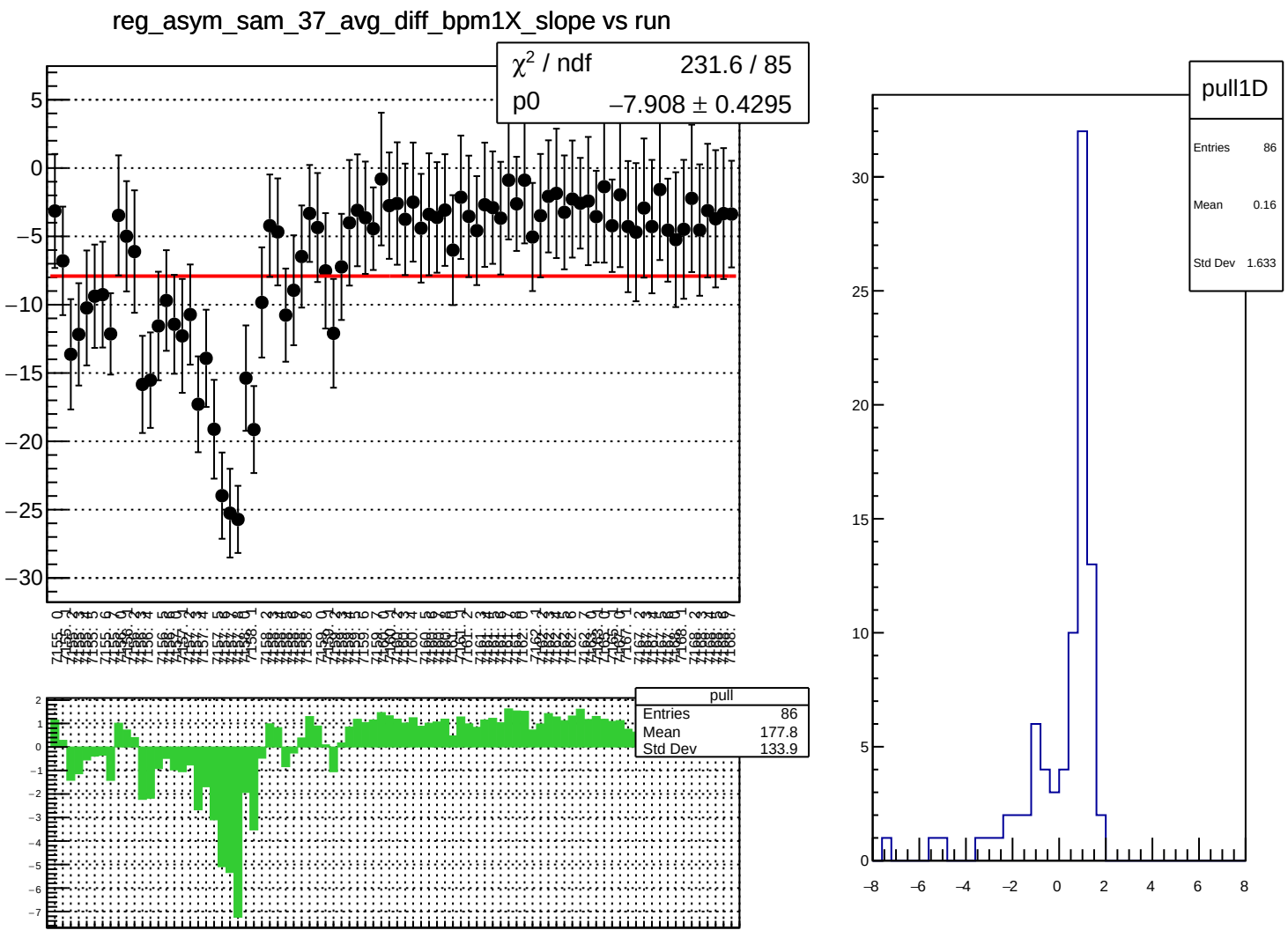

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.16 / 85
p0 −10.63 ± 0.7325
pull
Entries 86
Mean 226.4
Std Dev 184.6

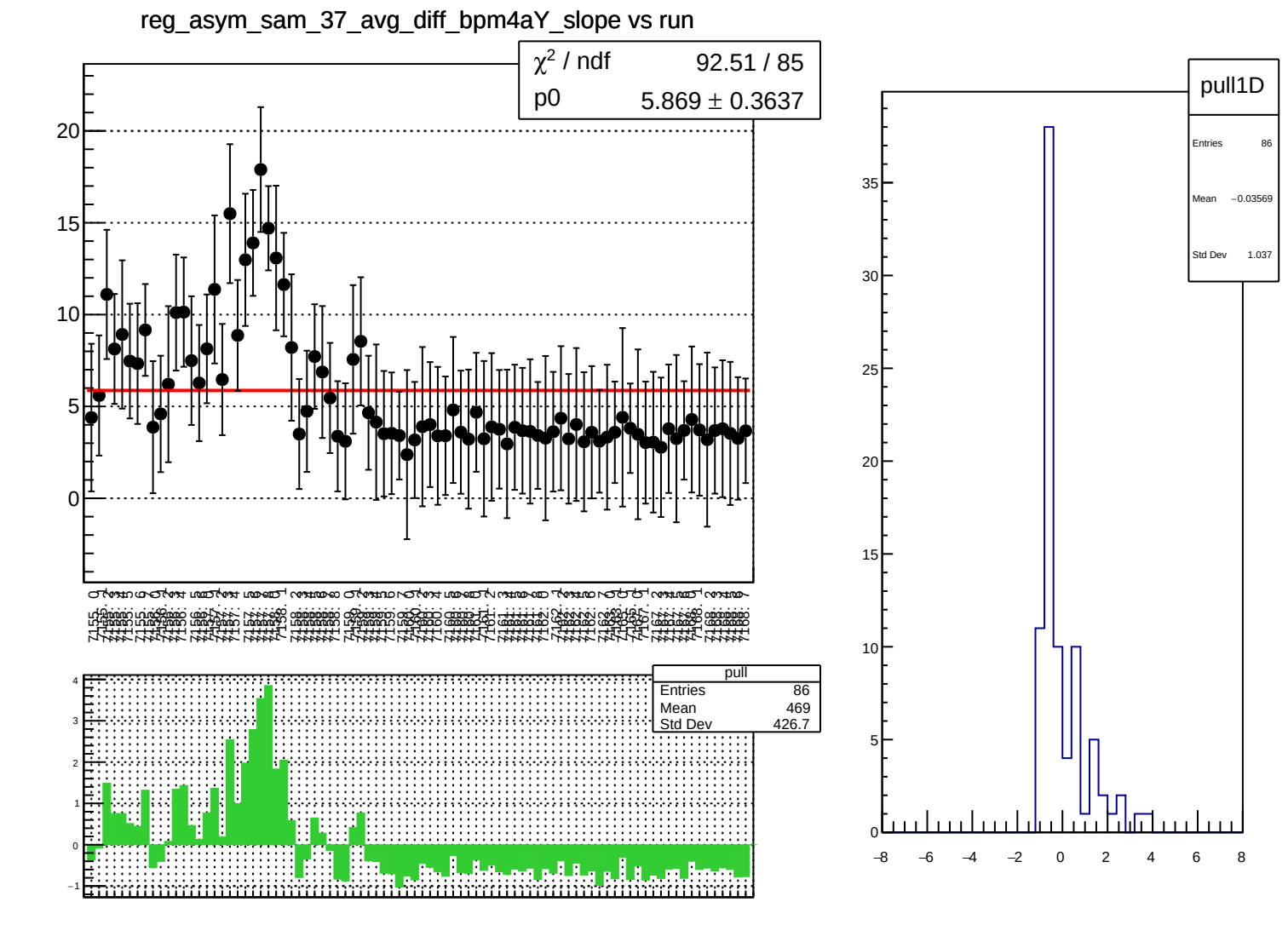

pull1D
Entries 86
Mean 0.01938
Std Dev 0.3433

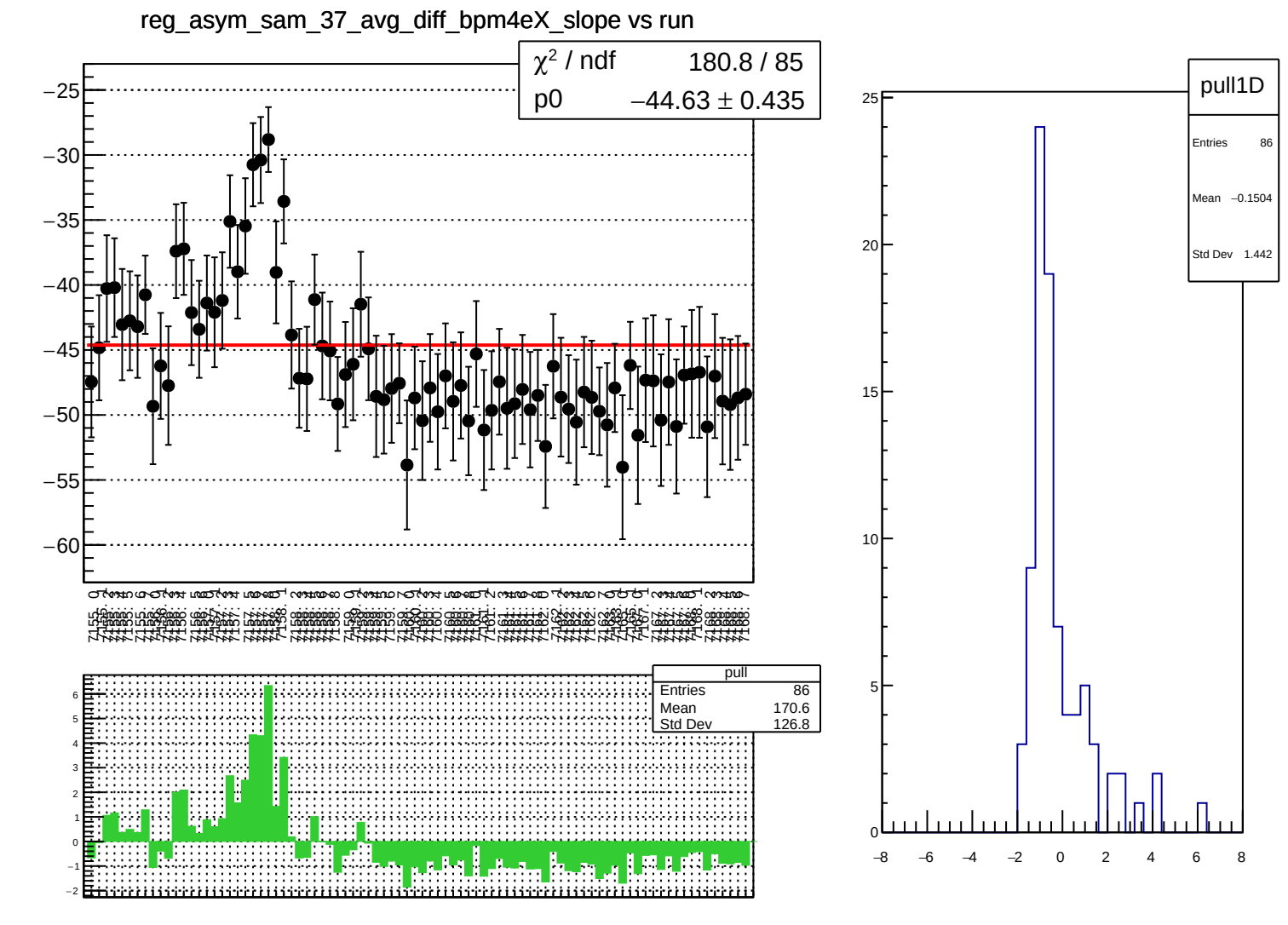

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.667 / 85
p0 −34.03 ± 0.7123
pull
Entries 86
Mean −13.67
Std Dev 85.79
pull1D
Entries 86
Mean −0.01106
Std Dev 0.2782

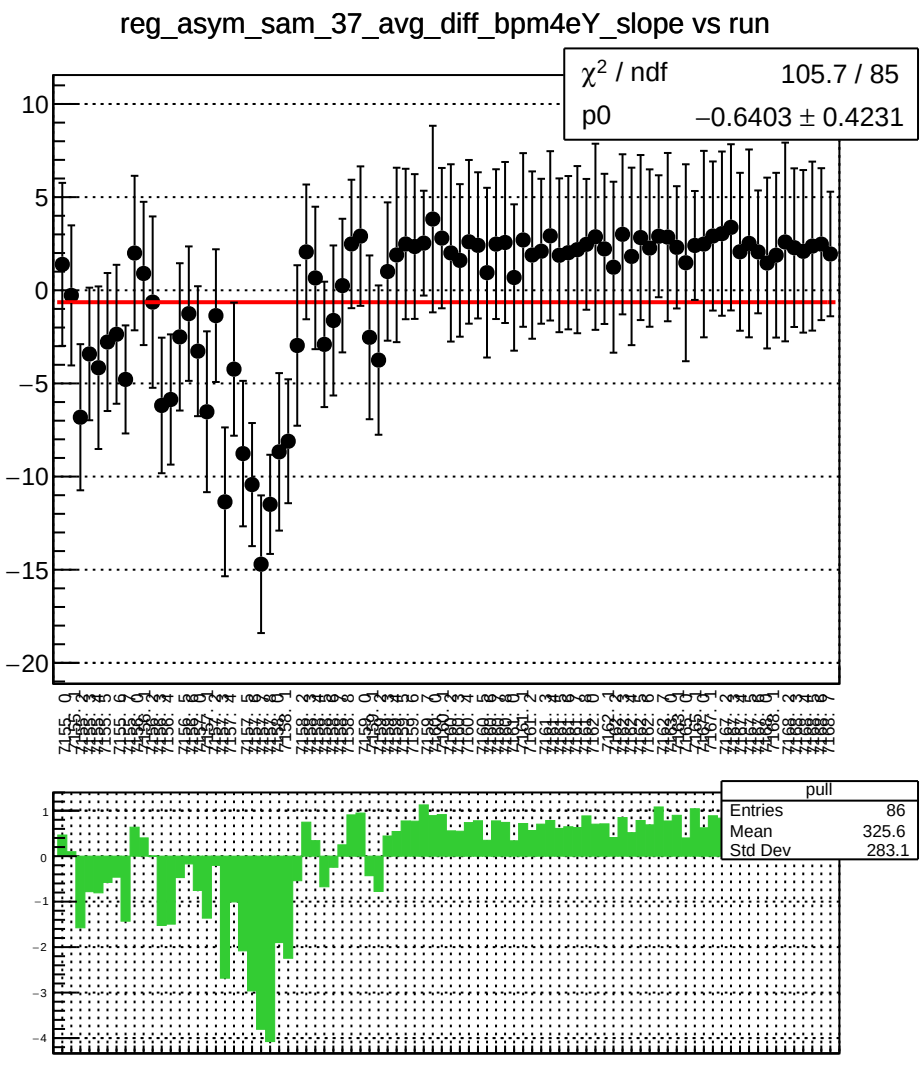

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.08 / 85
p0 0.8274 ± 0.02762
pull
Entries 86
Mean 1055
Std Dev 1006

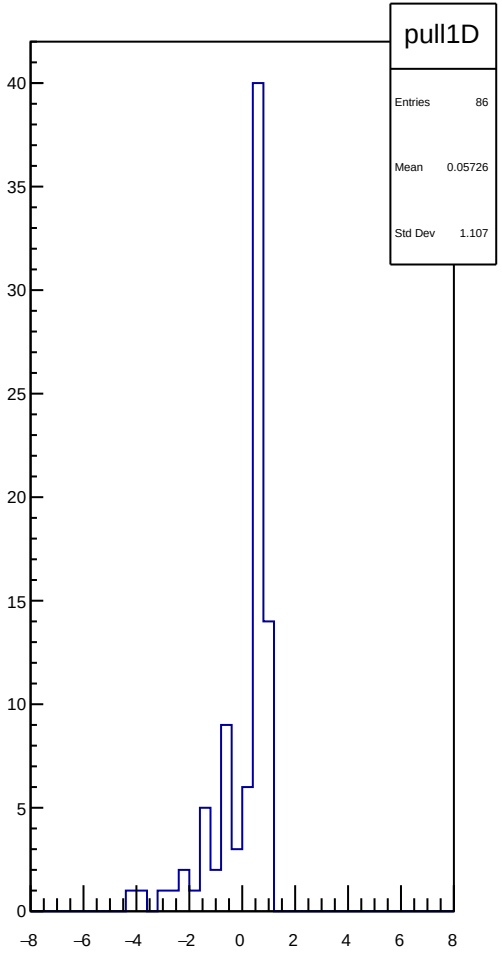

pull1D
Entries 86
Mean 0.002302
Std Dev 0.3424

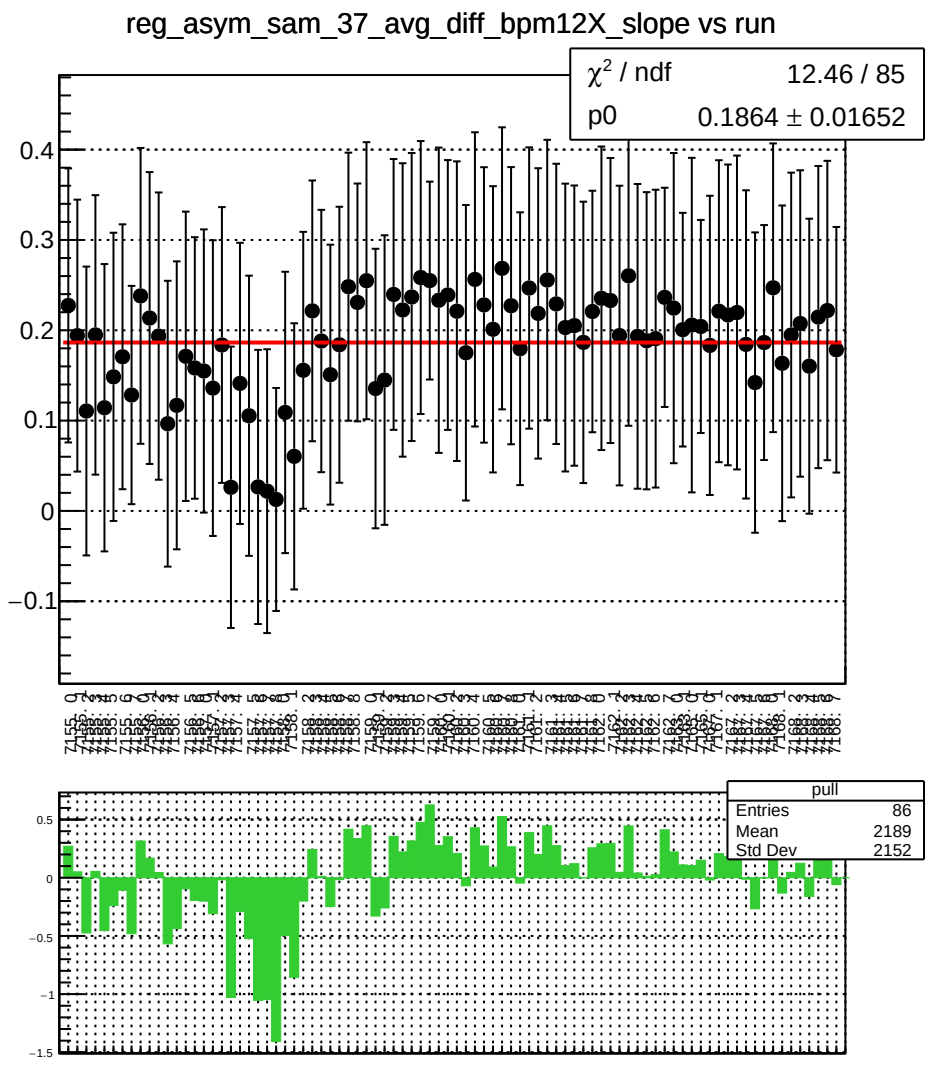

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 231.6 / 85
p0 −7.908 ± 0.4295
pull
Entries 86
Mean 177.8
Std Dev 133.9
pull1D
Entries 86
Mean 0.16
Std Dev 1.633

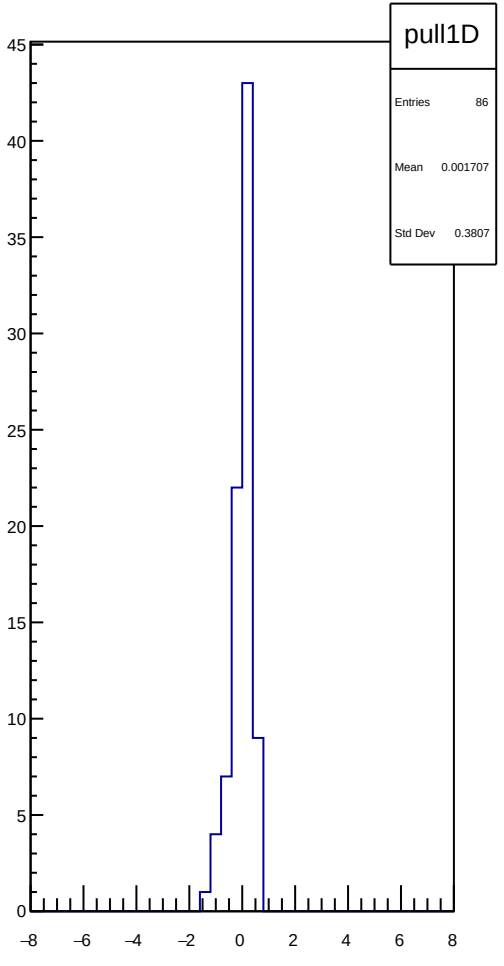

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 92.51 / 85
p0 5.869 ± 0.3637
pull
Entries 86
Mean 469
Std Dev 426.7
pull1D
Entries 86
Mean −0.03569
Std Dev 1.037

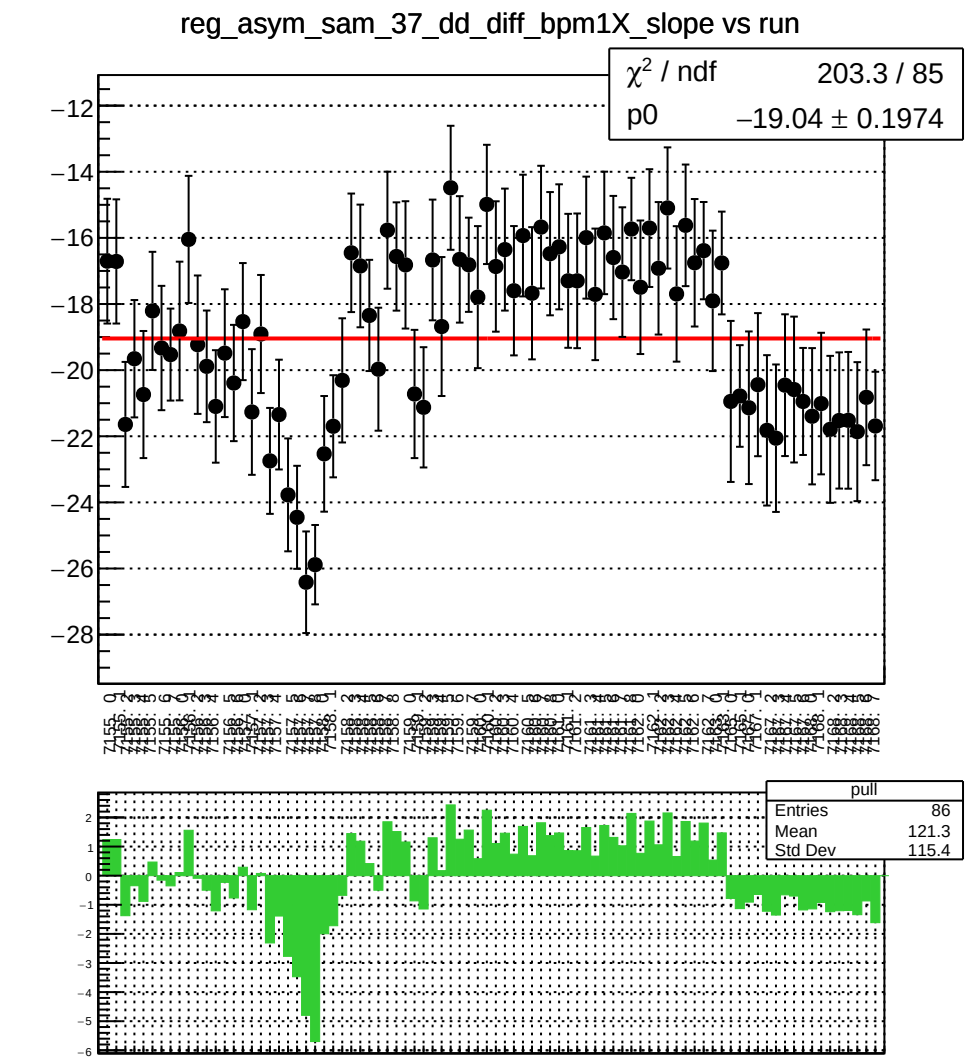

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 180.8 / 85
p0 −44.63 ± 0.435
pull
Entries 86
Mean 170.6
Std Dev 126.8
pull1D
Entries 86
Mean −0.1504
Std Dev 1.442

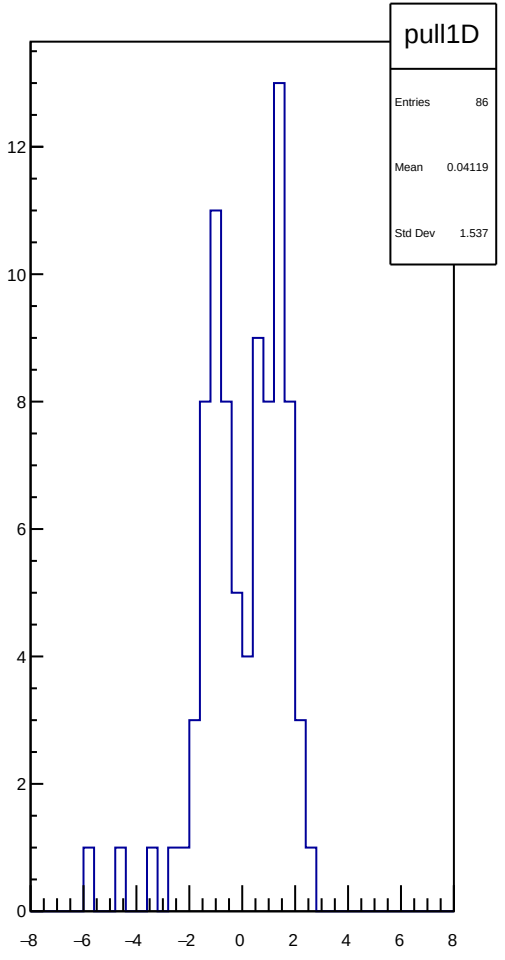

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 105.7 / 85
p0 −0.6403 ± 0.4231
pull
Entries 86
Mean 325.6
Std Dev 283.1

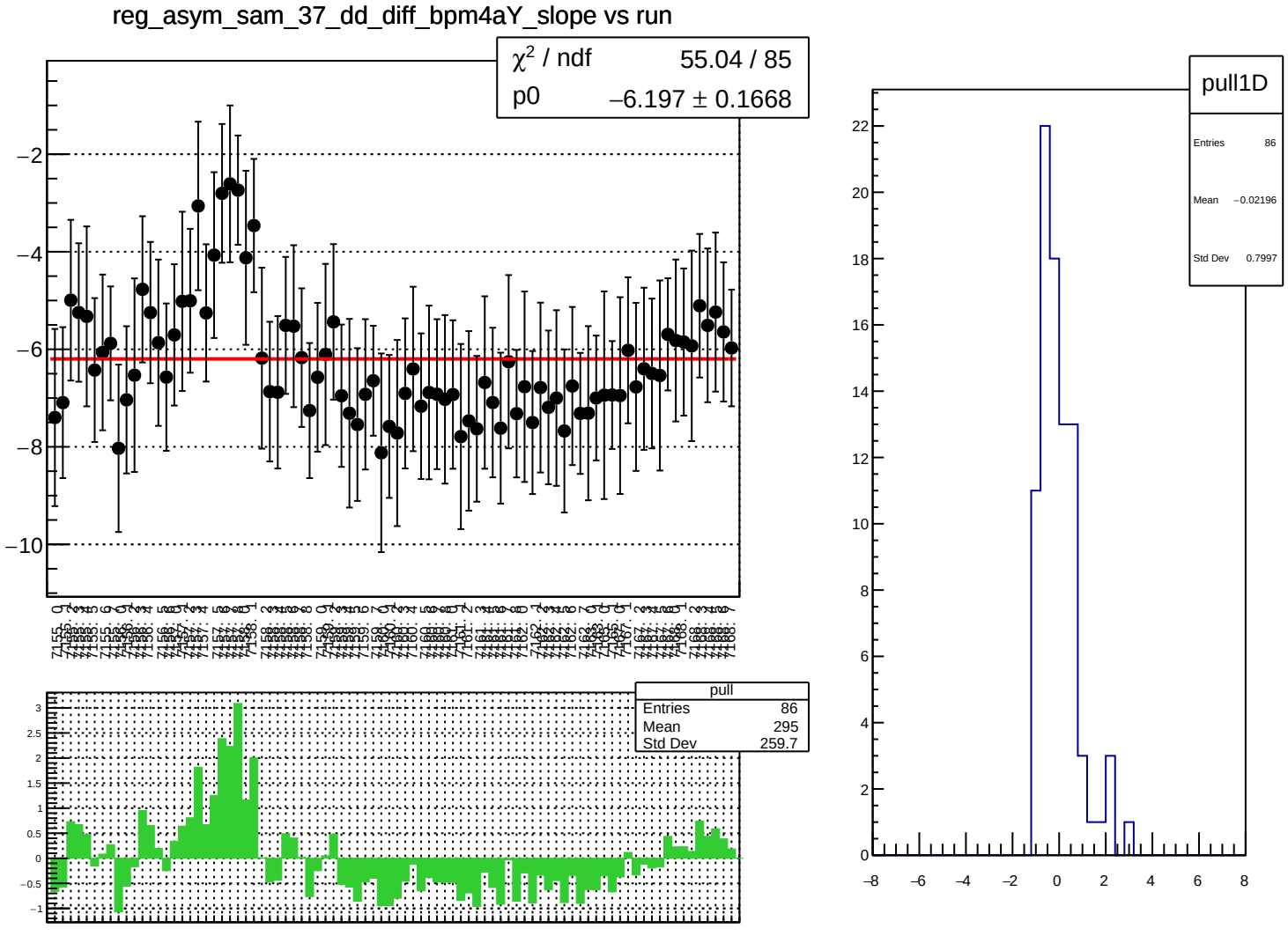

pull1D
Entries 86
Mean 0.05726
Std Dev 1.107

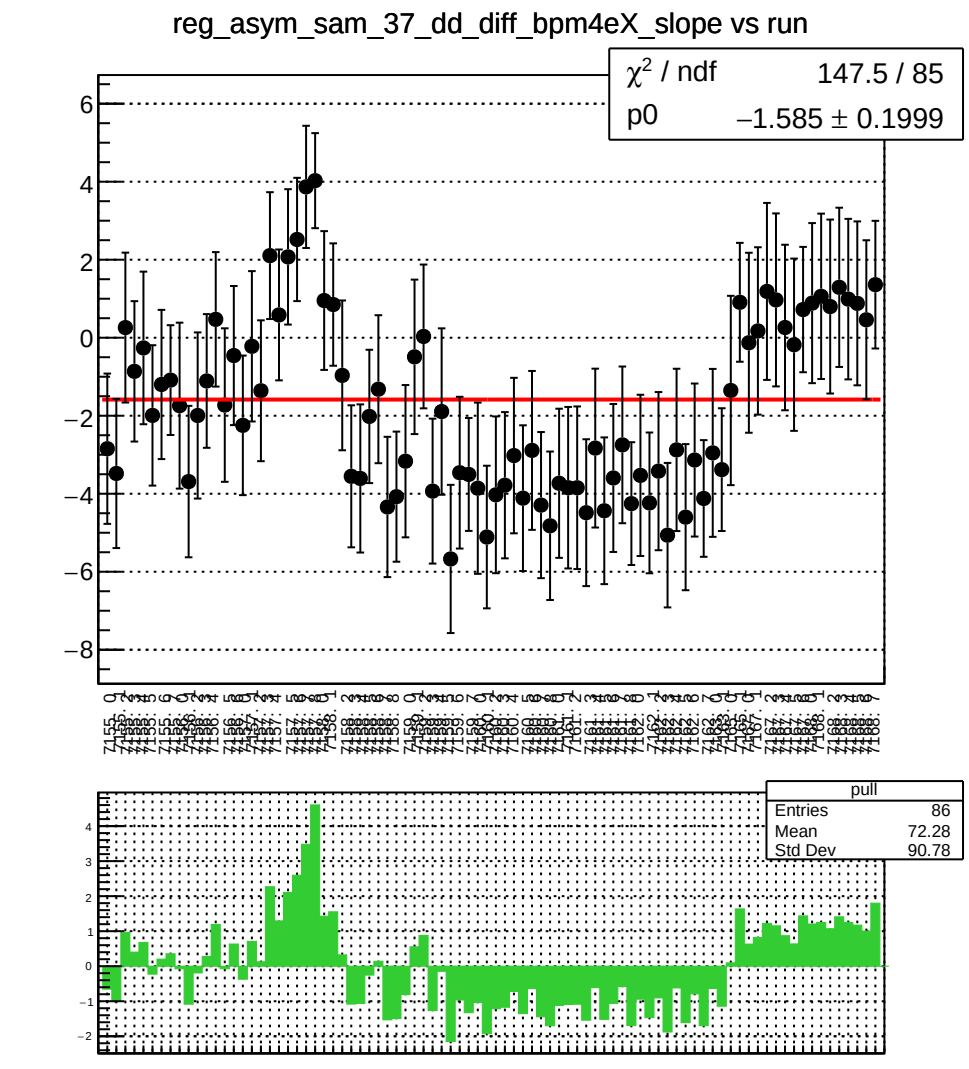

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 12.46 / 85
p0 0.1864 ± 0.01652
pull
Entries 86
Mean 2189
Std Dev 2152

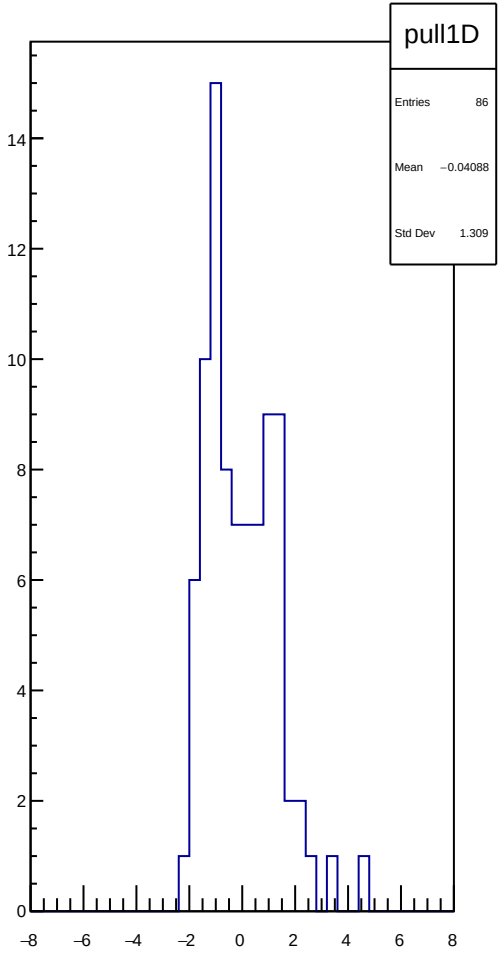

pull1D
Entries 86
Mean 0.001707
Std Dev 0.3807

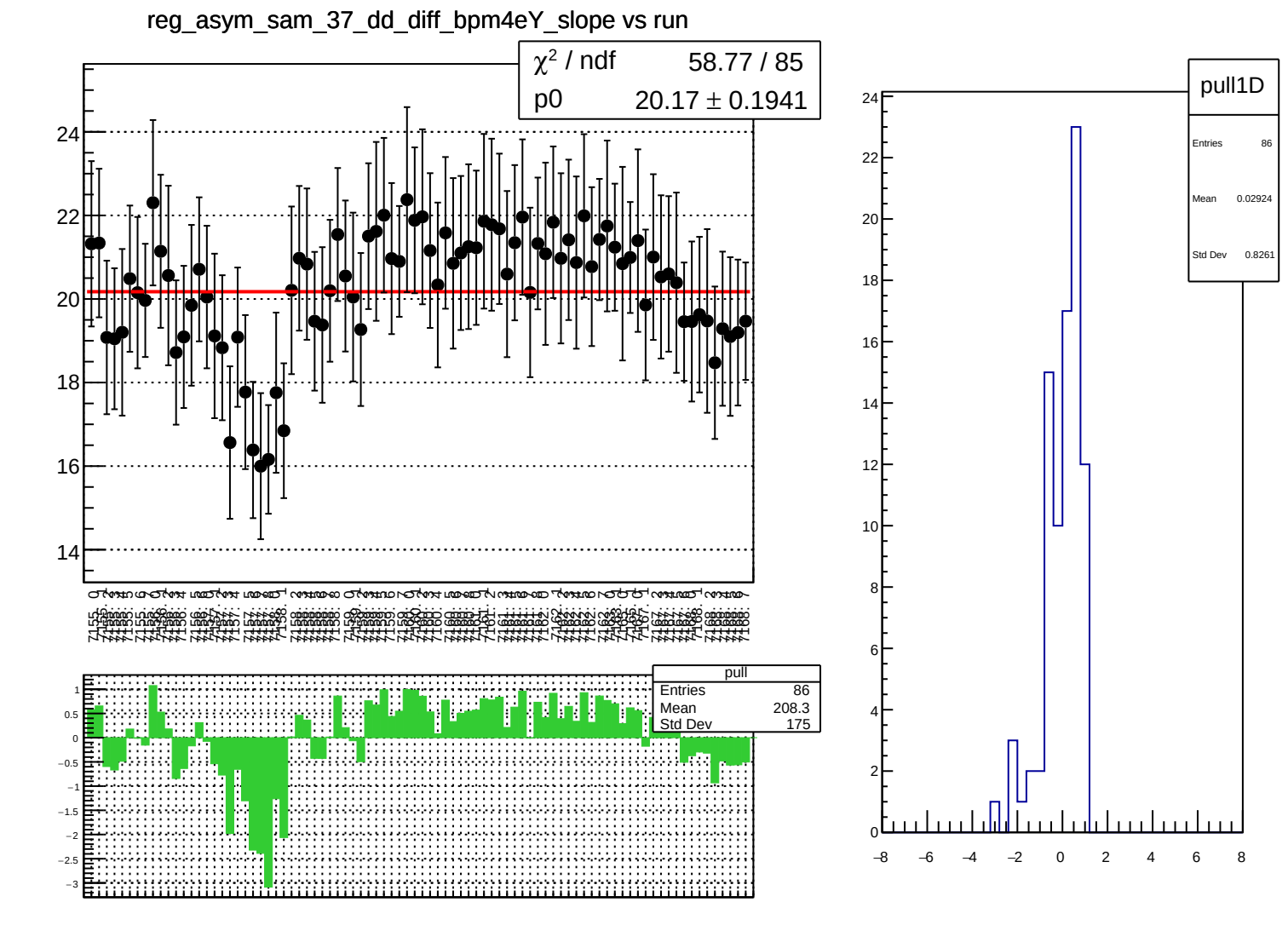

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 203.3 / 85
p0 −19.04 ± 0.1974
pull
Entries 86
Mean 121.3
Std Dev 115.4

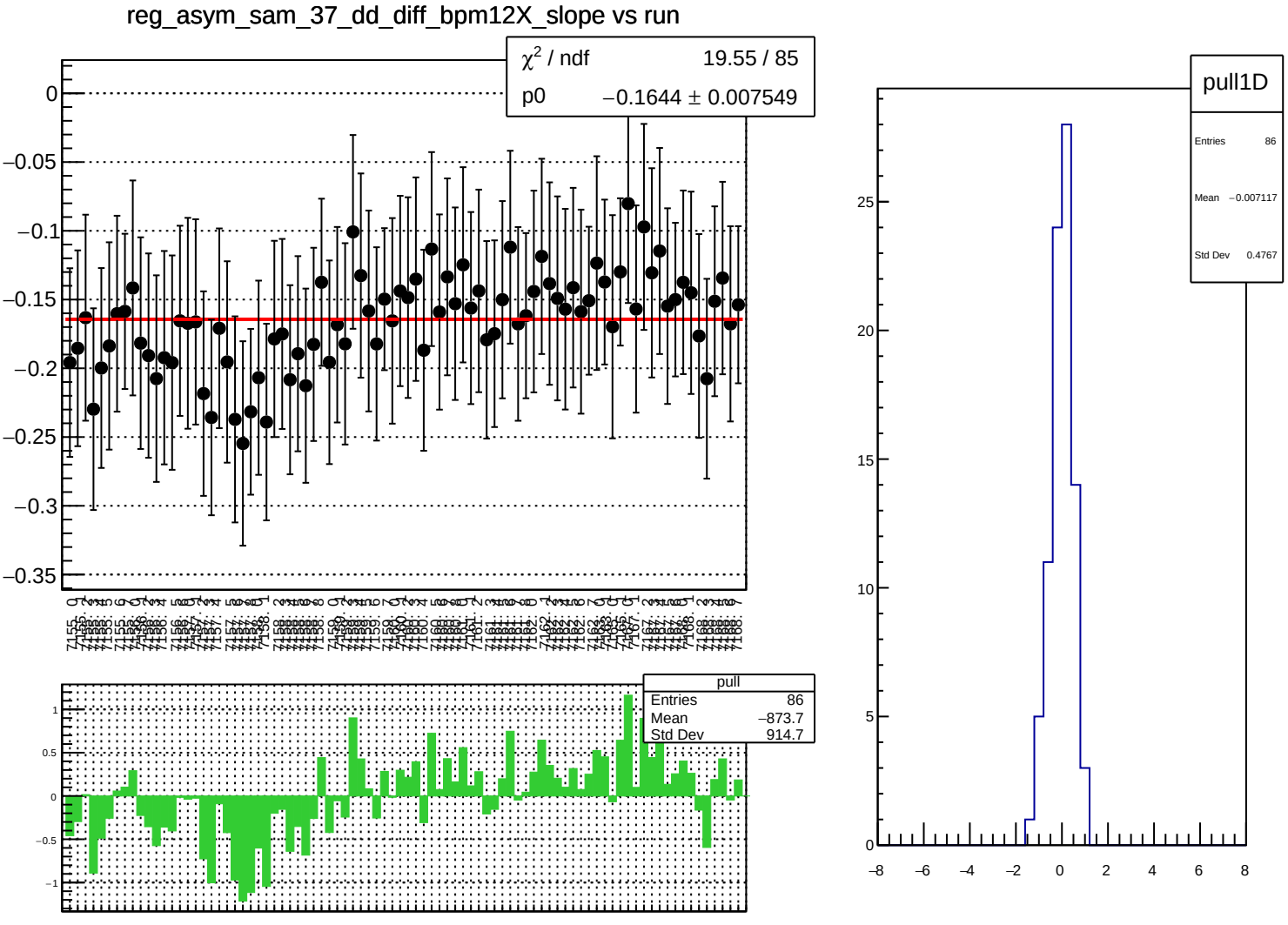

pull1D
Entries 86
Mean 0.04119
Std Dev 1.537

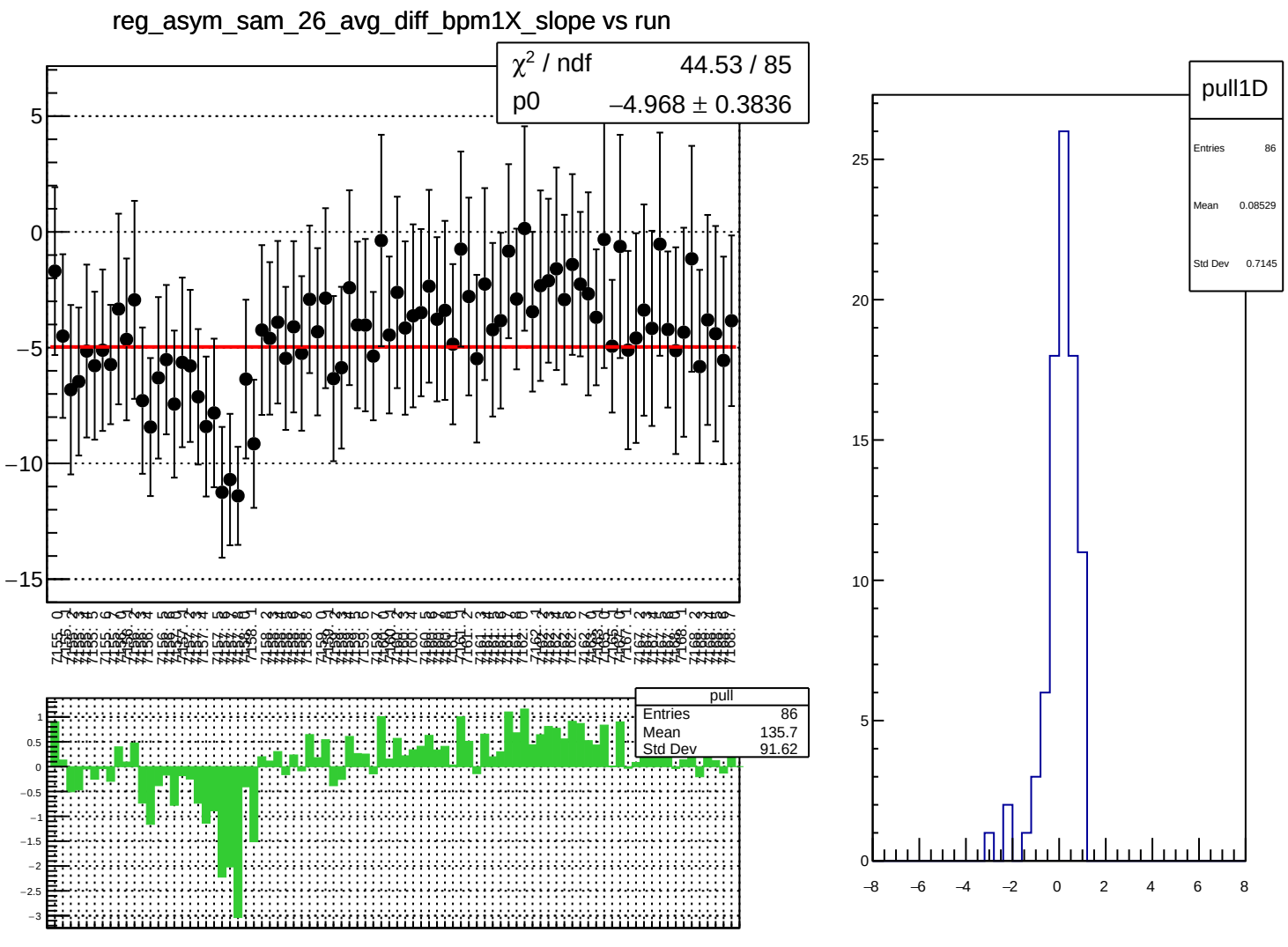

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.04 / 85
p0 −6.197 ± 0.1668
pull
Entries 86
Mean 295
Std Dev 259.7
pull1D
Entries 86
Mean −0.02196
Std Dev 0.7997

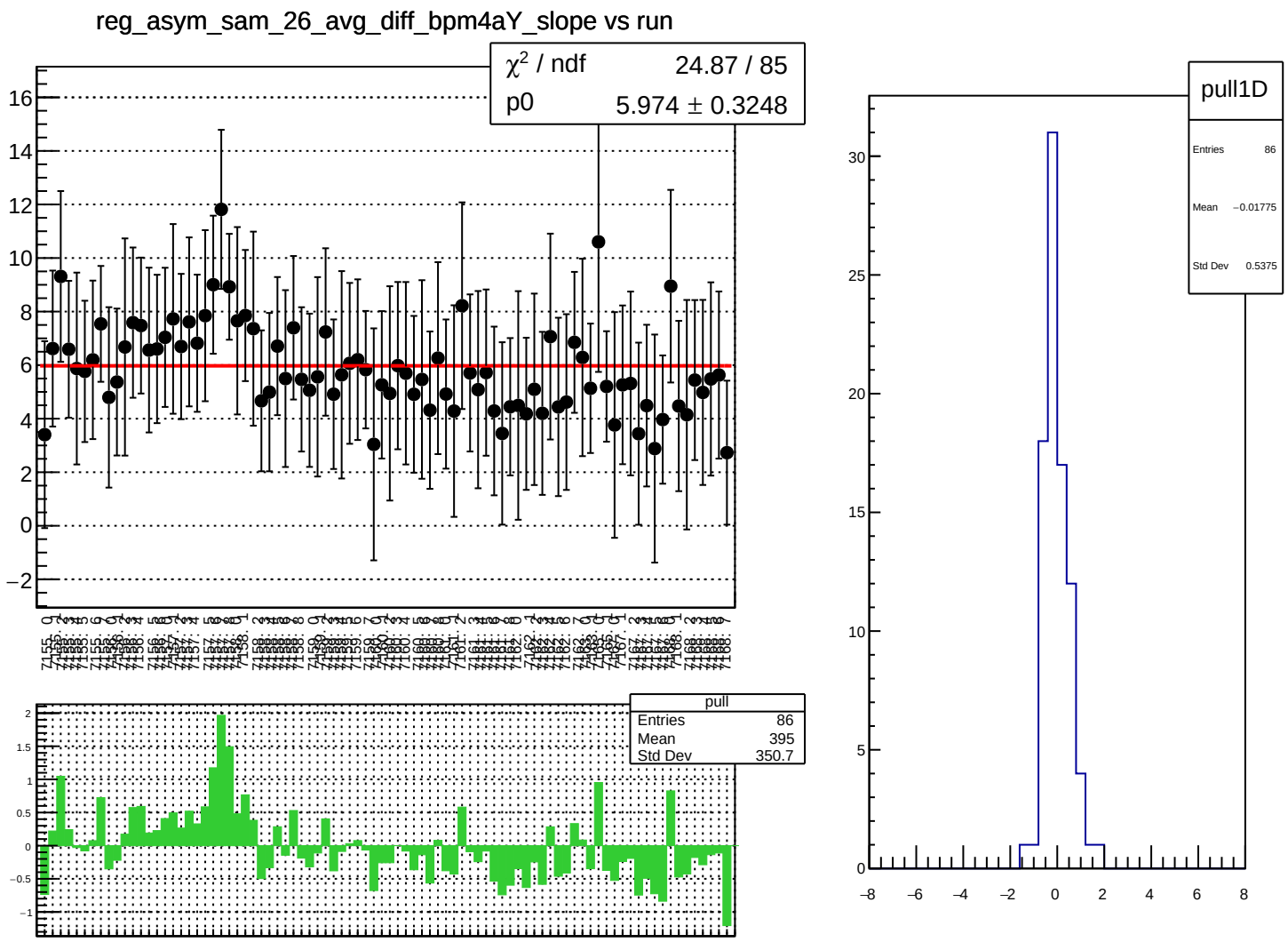

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 147.5 / 85
p0 −1.585 ± 0.1999
pull
Entries 86
Mean 72.28
Std Dev 90.78

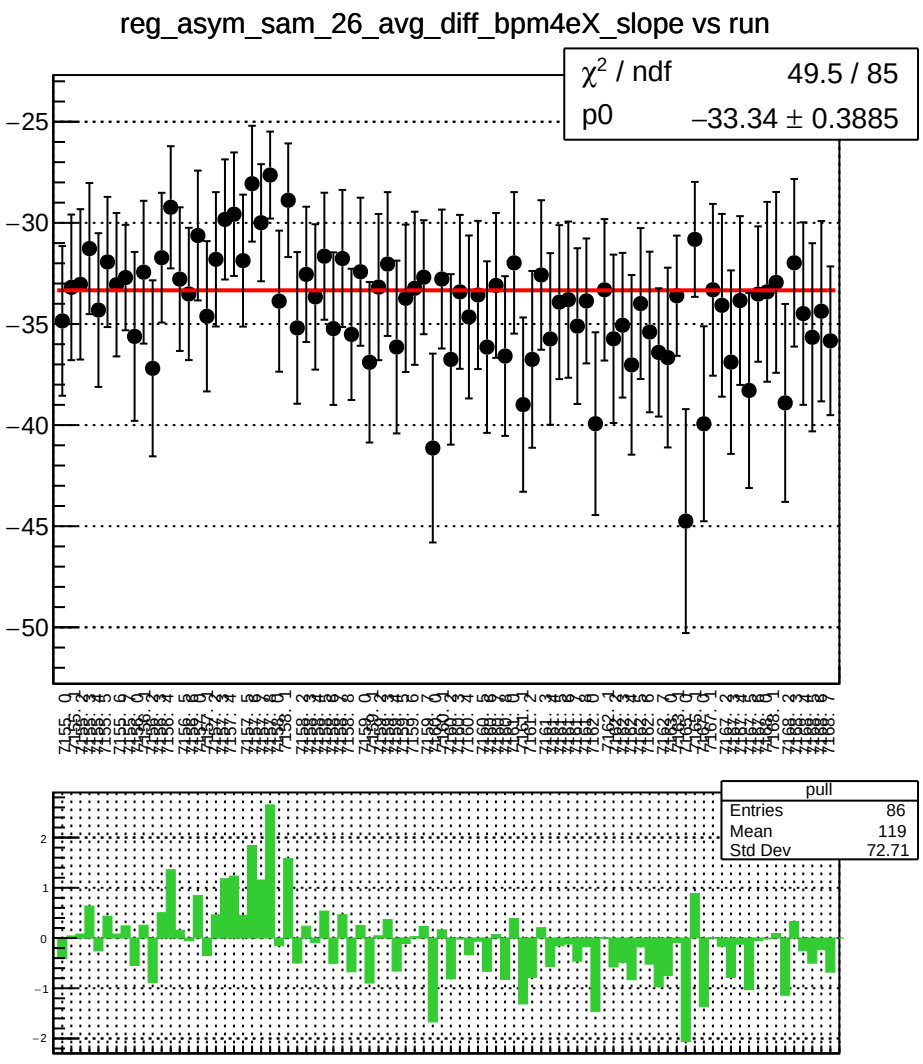

pull1D
Entries 86
Mean −0.04088
Std Dev 1.309

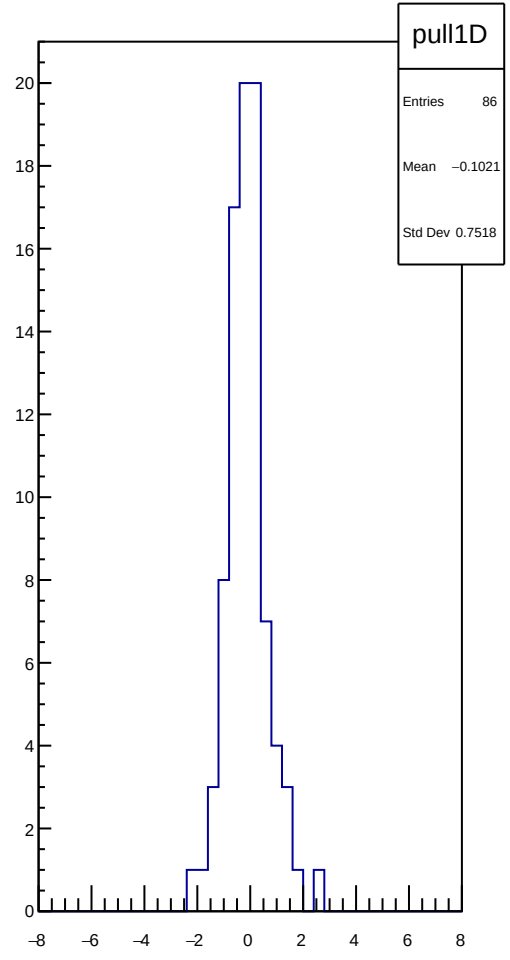

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.77 / 85
p0 20.17 ± 0.1941
pull
Entries 86
Mean 208.3
Std Dev 175
pull1D
Entries 86
Mean 0.02924
Std Dev 0.8261

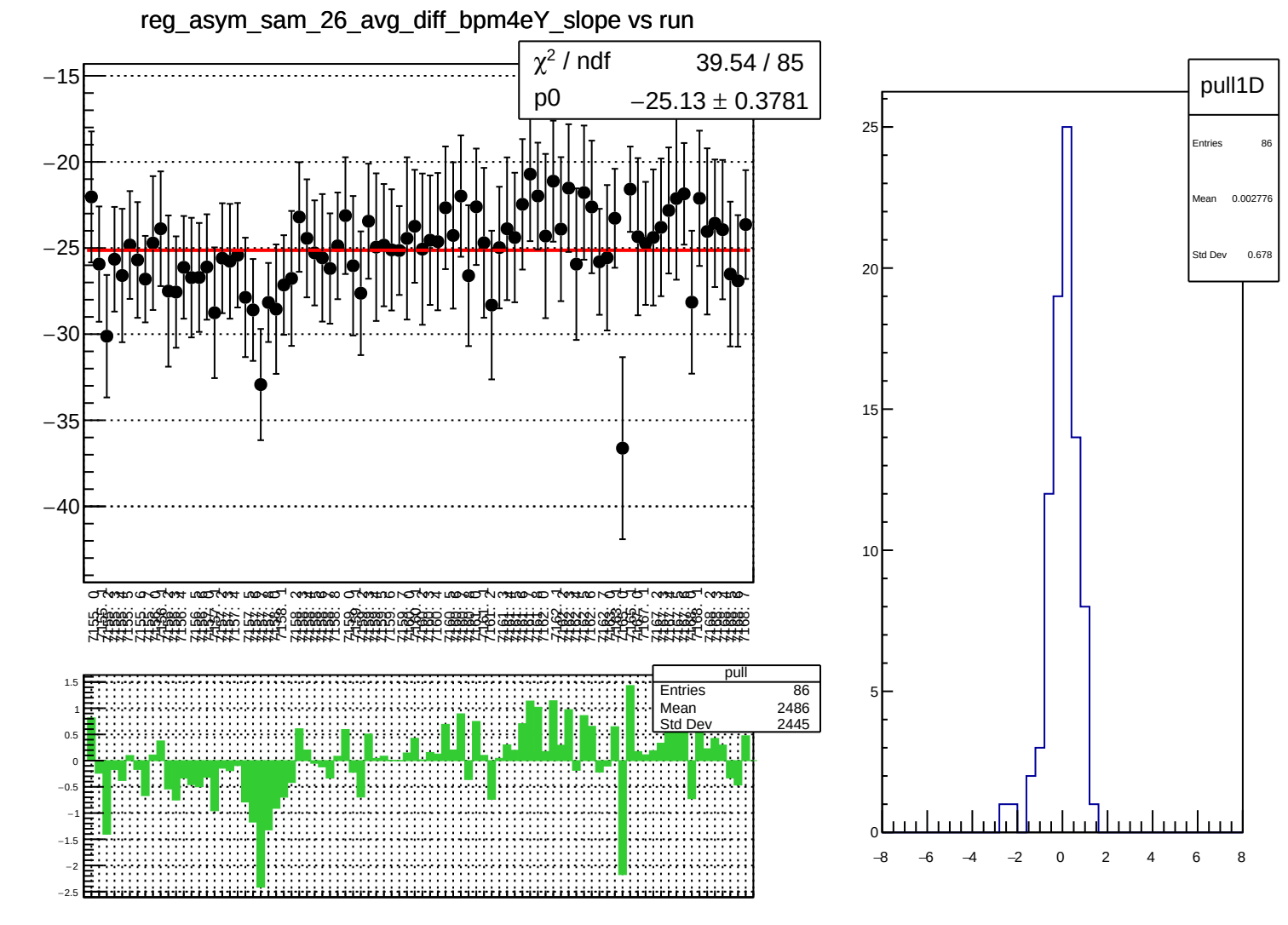

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 19.55 / 85
p0 −0.1644 ± 0.007549
pull
Entries 86
Mean −873.7
Std Dev 914.7
pull1D
Entries 86
Mean −0.007117
Std Dev 0.4767

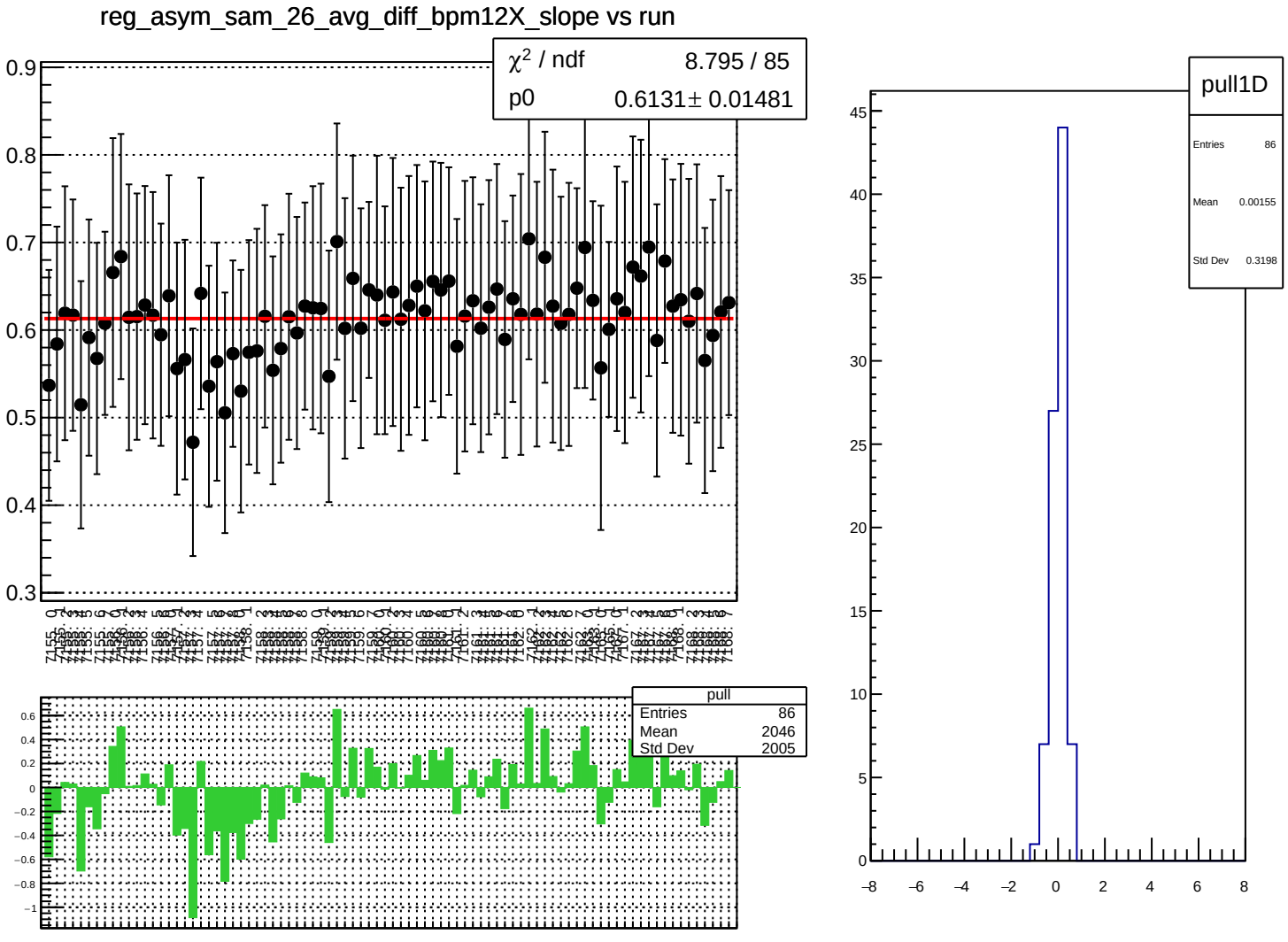

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 44.53 / 85
p0 −4.968 ± 0.3836
pull
Entries 86
Mean 135.7
Std Dev 91.62
pull1D
Entries 86
Mean 0.08529
Std Dev 0.7145

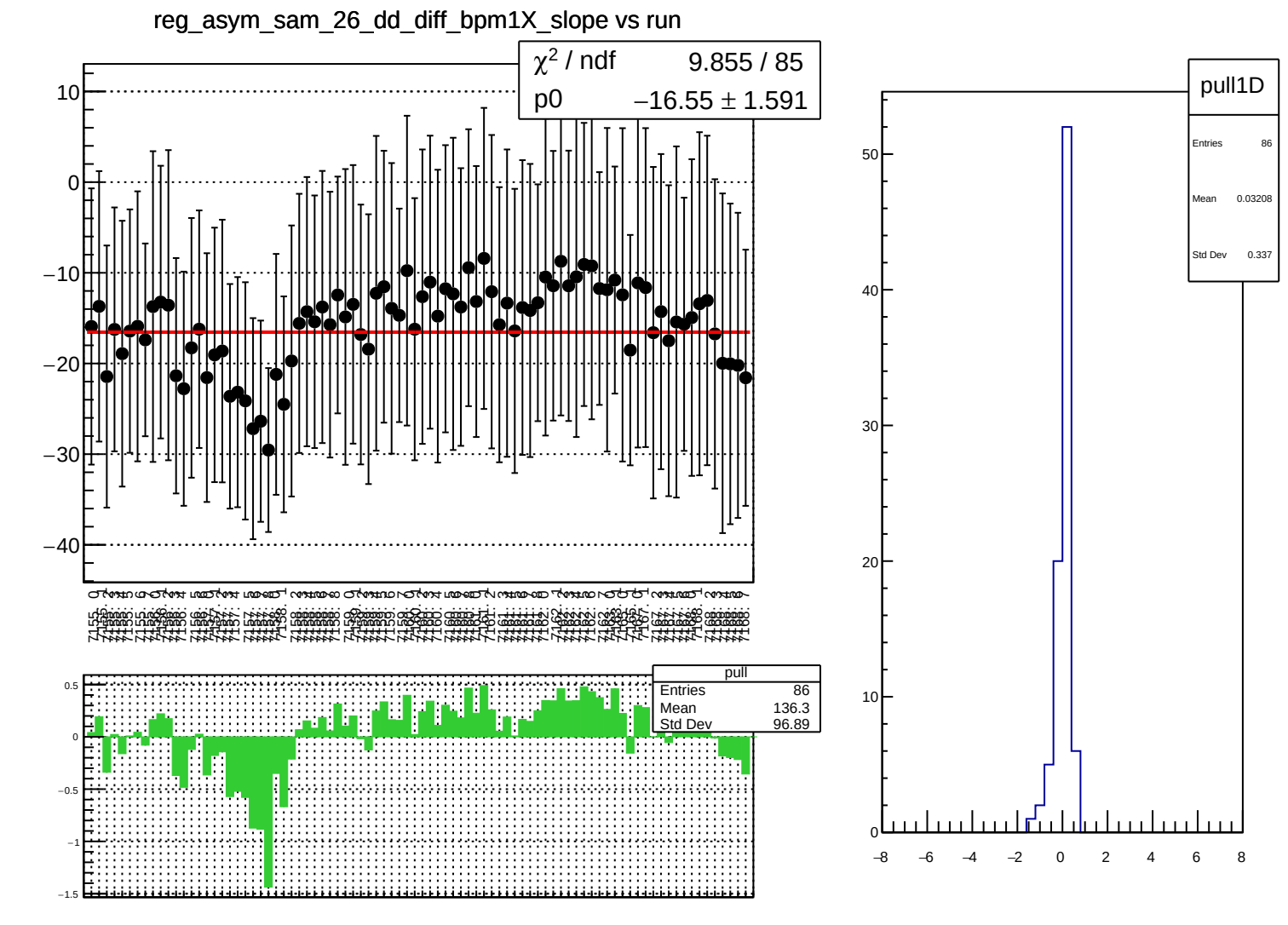

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.87 / 85
p0 5.974 ± 0.3248
pull
Entries 86
Mean 395
Std Dev 350.7
pull1D
Entries 86
Mean −0.01775
Std Dev 0.5375

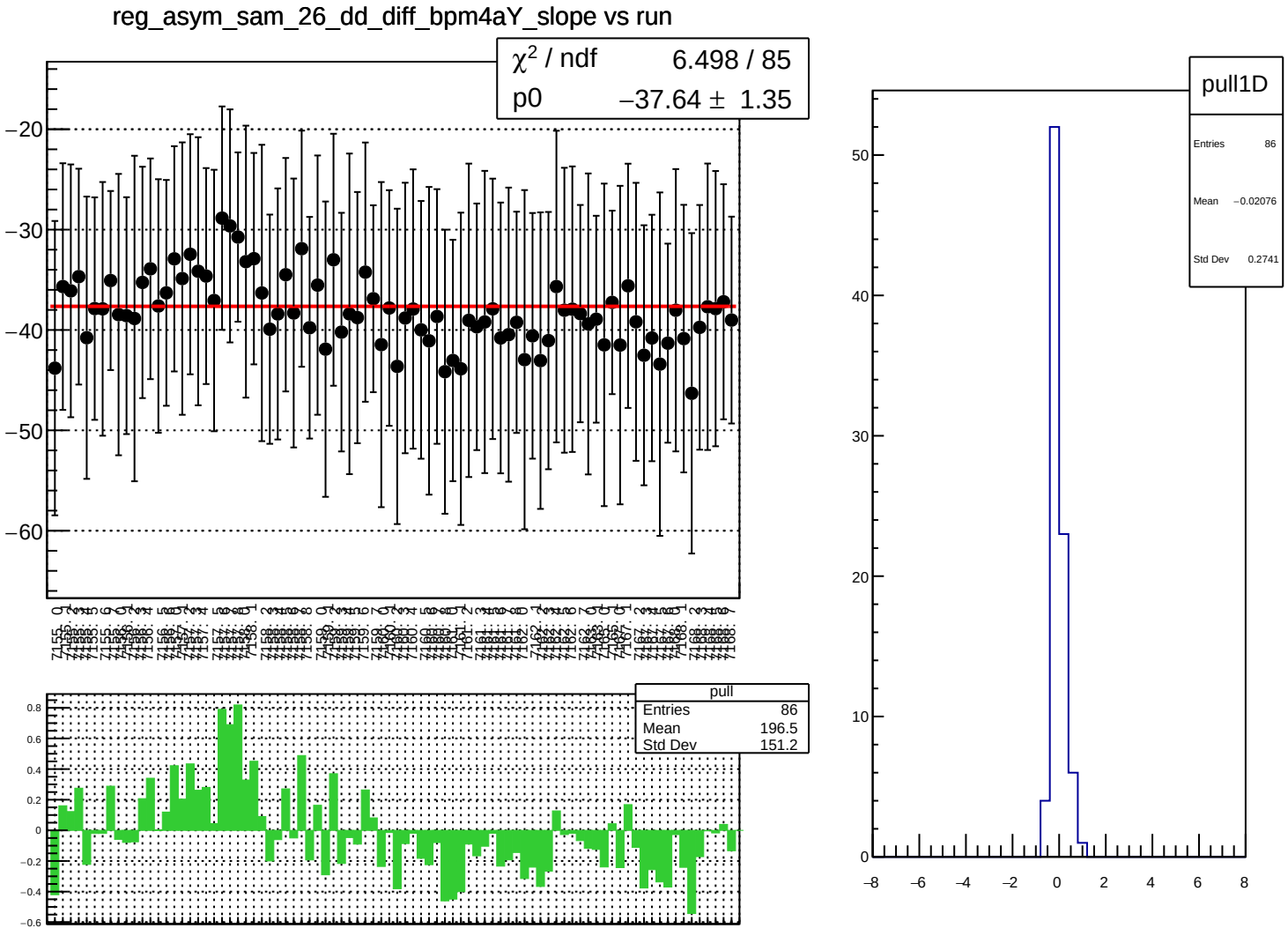

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.5 / 85
p0 −33.34 ± 0.3885
pull
Entries 86
Mean 119
Std Dev 72.71

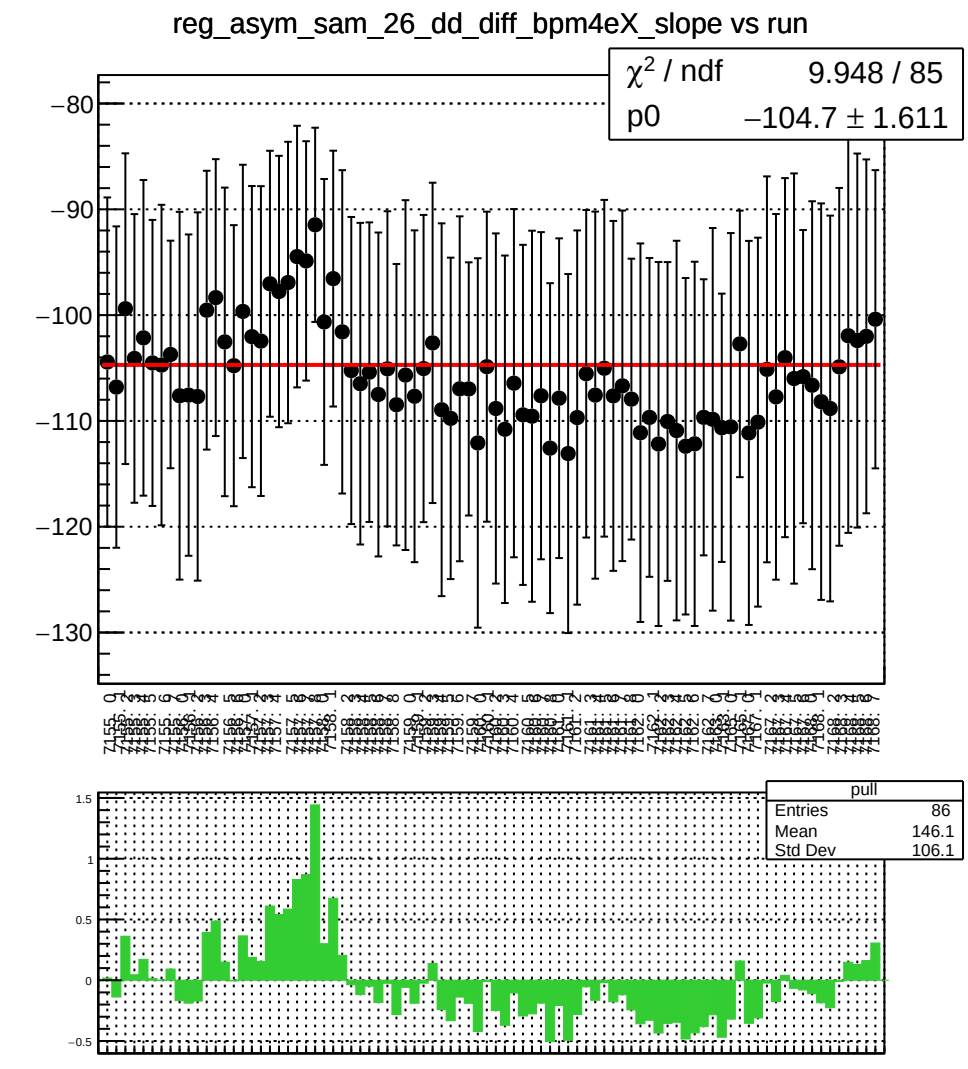

pull1D
Entries 86
Mean −0.1021
Std Dev 0.7518

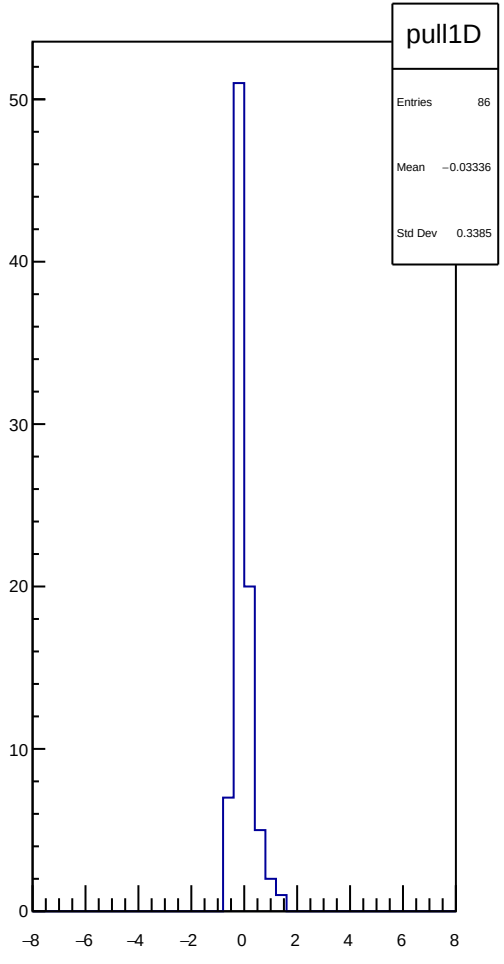

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.54 / 85
p0 −25.13 ± 0.3781
pull
Entries 86
Mean 2486
Std Dev 2445
pull1D
Entries 86
Mean 0.002776
Std Dev 0.678

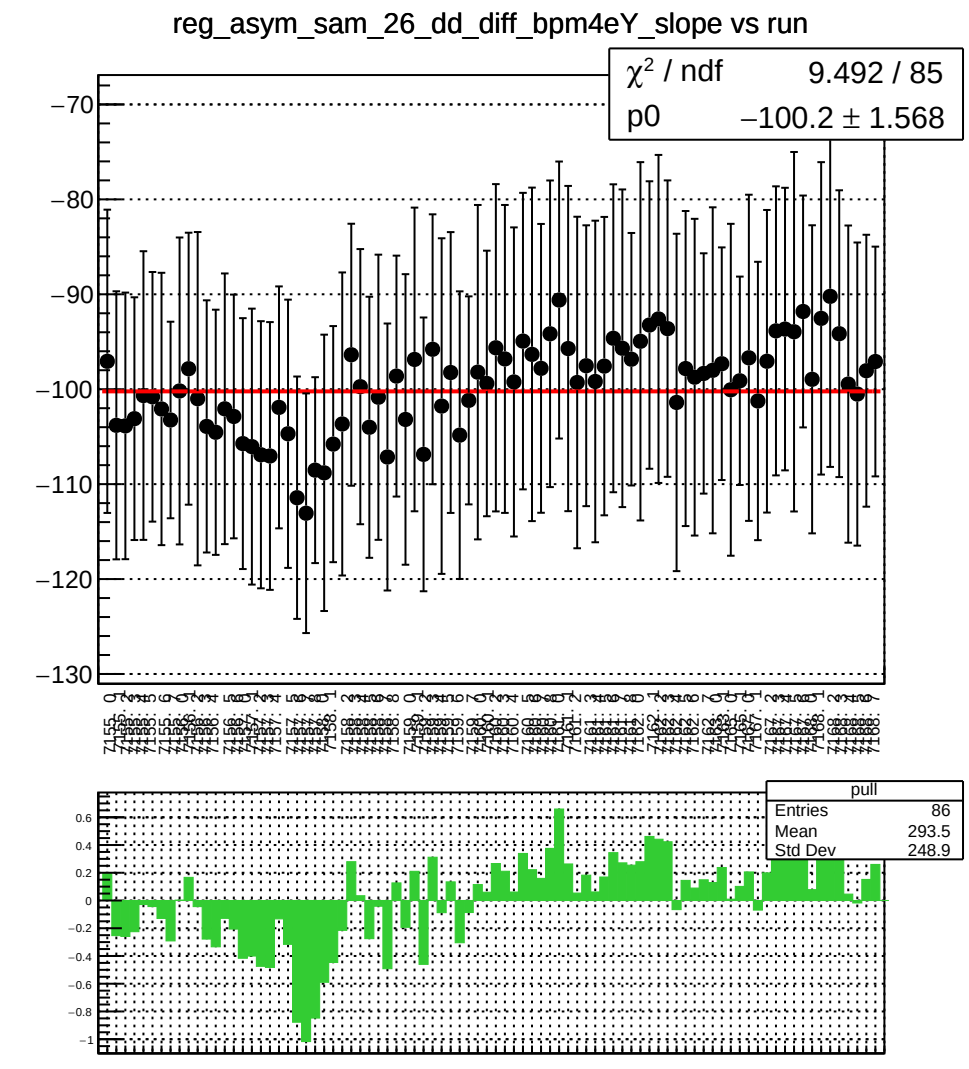

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 8.795 / 85
p0 0.6131± 0.01481
pull
Entries 86
Mean 2046
Std Dev 2005
pull1D
Entries 86
Mean 0.00155
Std Dev 0.3198

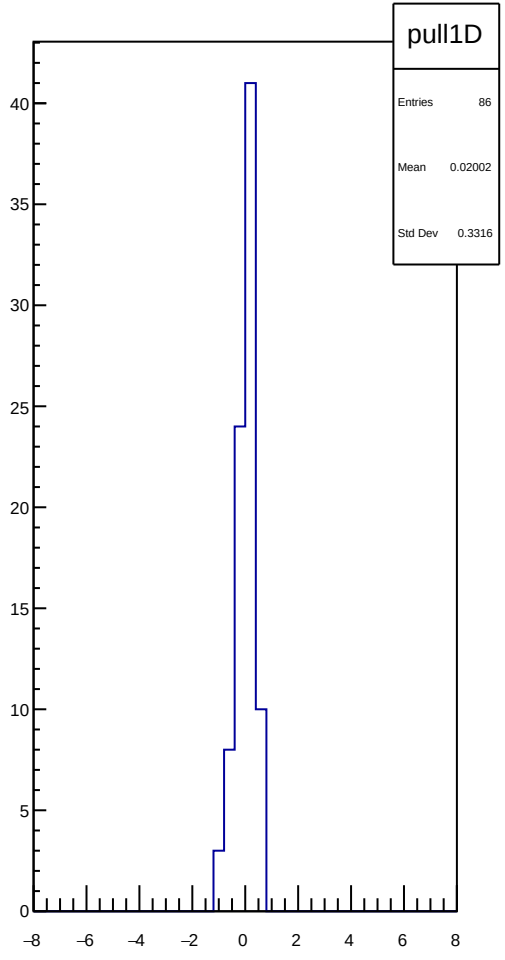

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.855 / 85
p0 −16.55 ± 1.591
pull
Entries 86
Mean 136.3
Std Dev 96.89
pull1D
Entries 86
Mean 0.03208
Std Dev 0.337

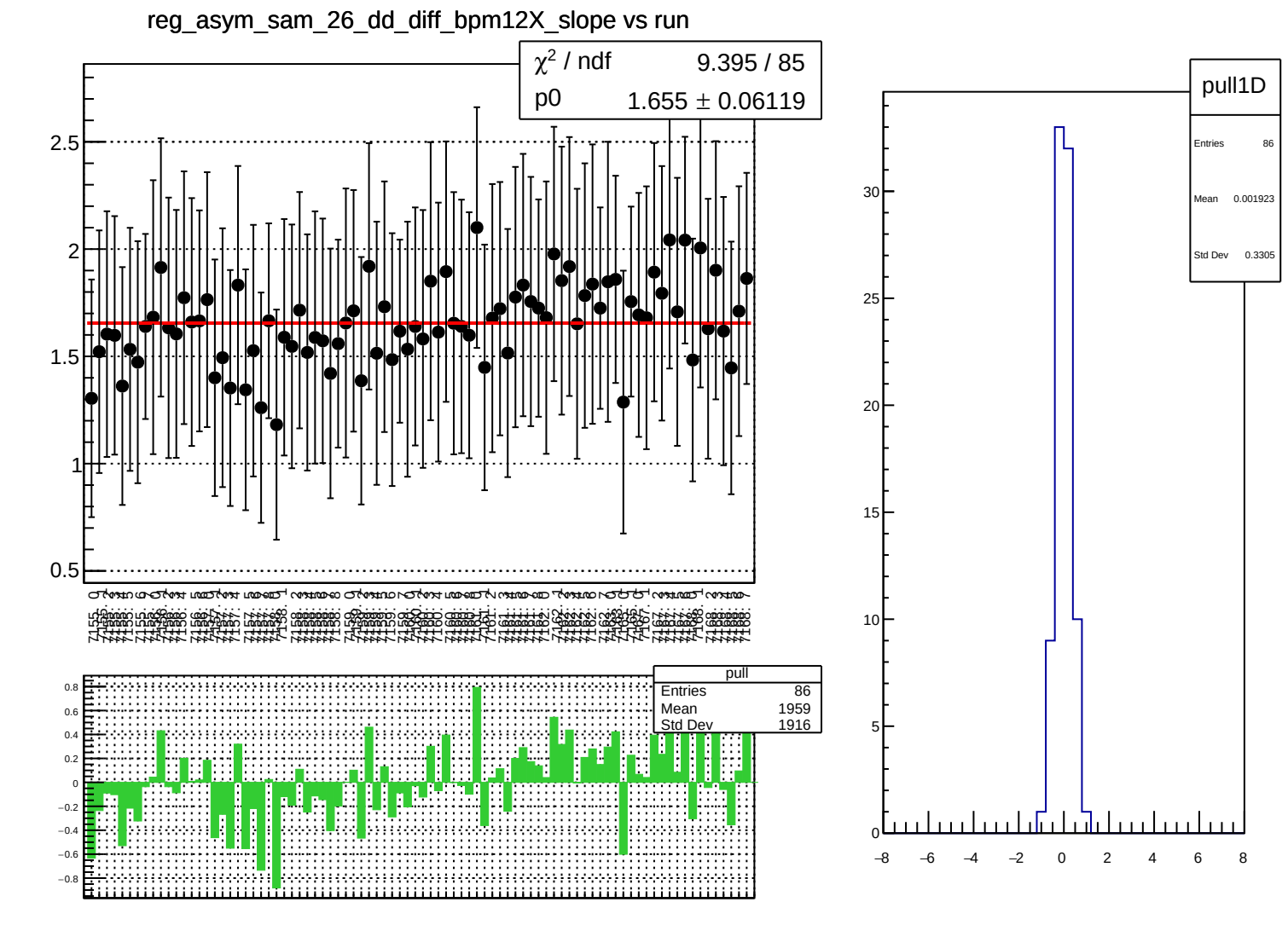

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.498 / 85
p0 −37.64 ± 1.35
−20
−30
−40
−50
−60
pull
Entries 86
Mean 196.5
Std Dev 151.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.02076
Std Dev 0.2741
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

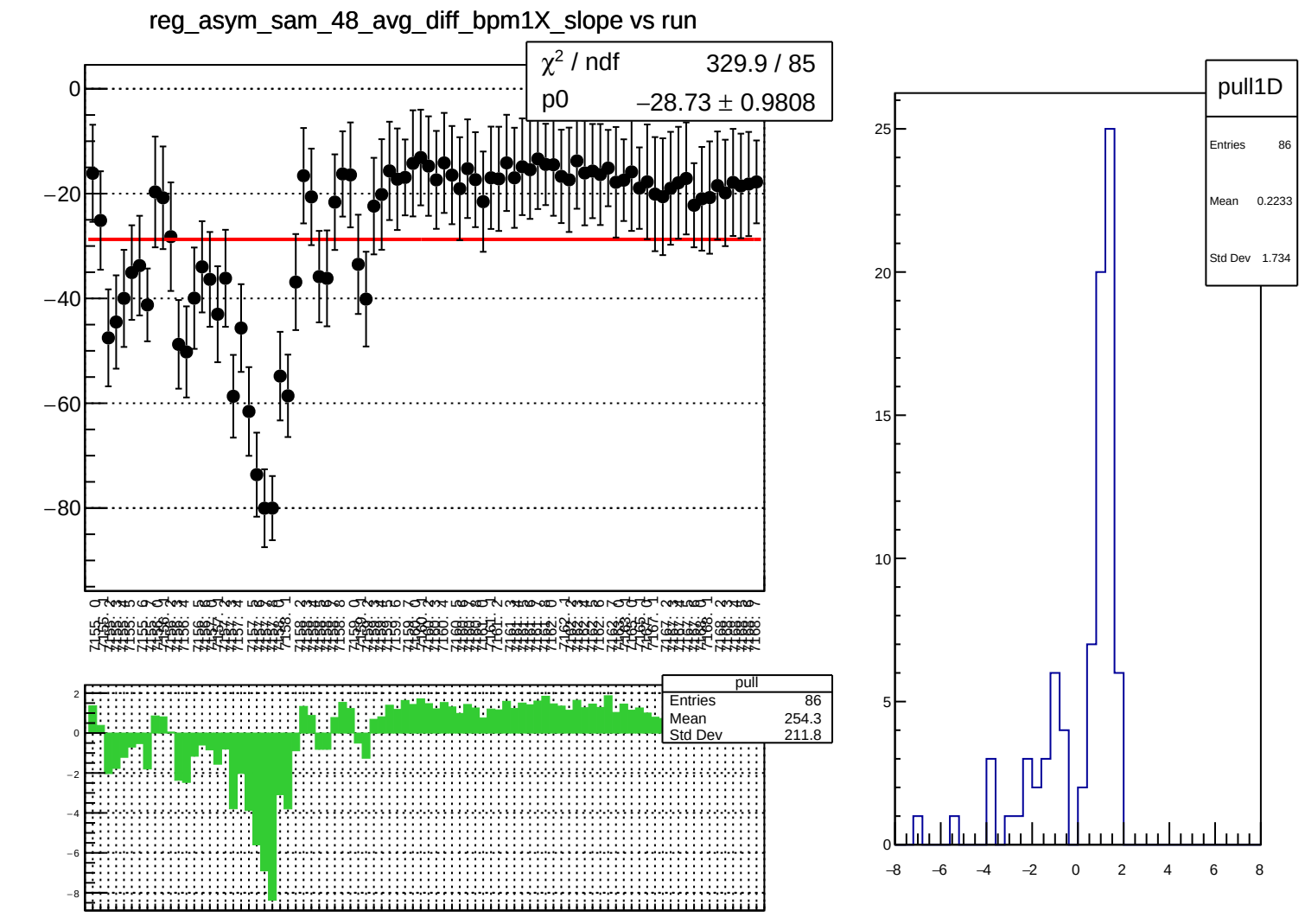

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.948 / 85
p0 −104.7 ± 1.611
−80
−90
−100
−110
−120
−130
pull
Entries 86
Mean 146.1
Std Dev 106.1
1.5
1
0.5
0
−0.5

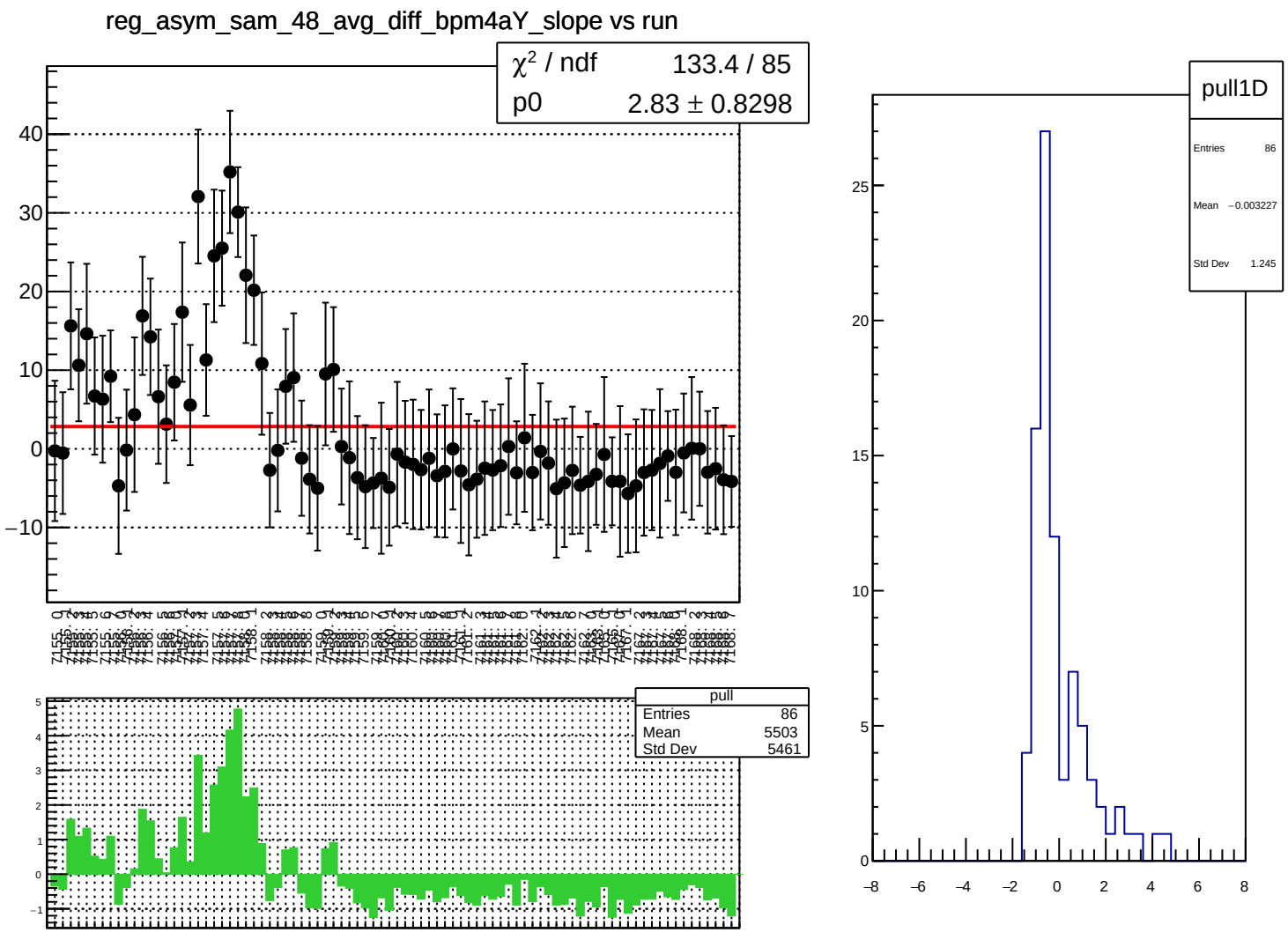

pull1D
Entries 86
Mean −0.03336
Std Dev 0.3385
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

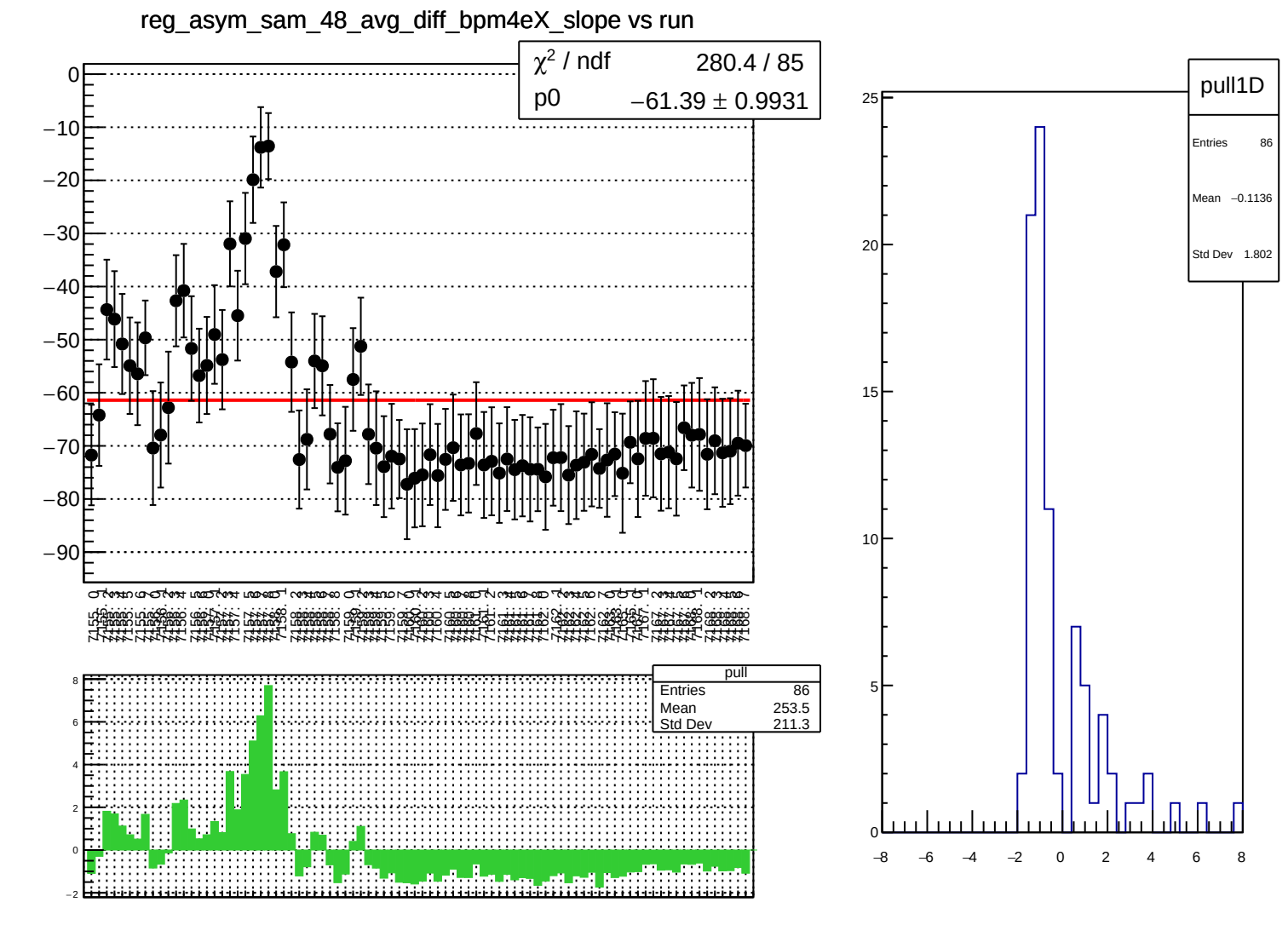

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.492 / 85
p0 −100.2 ± 1.568
pull
Entries 86
Mean 293.5
Std Dev 248.9

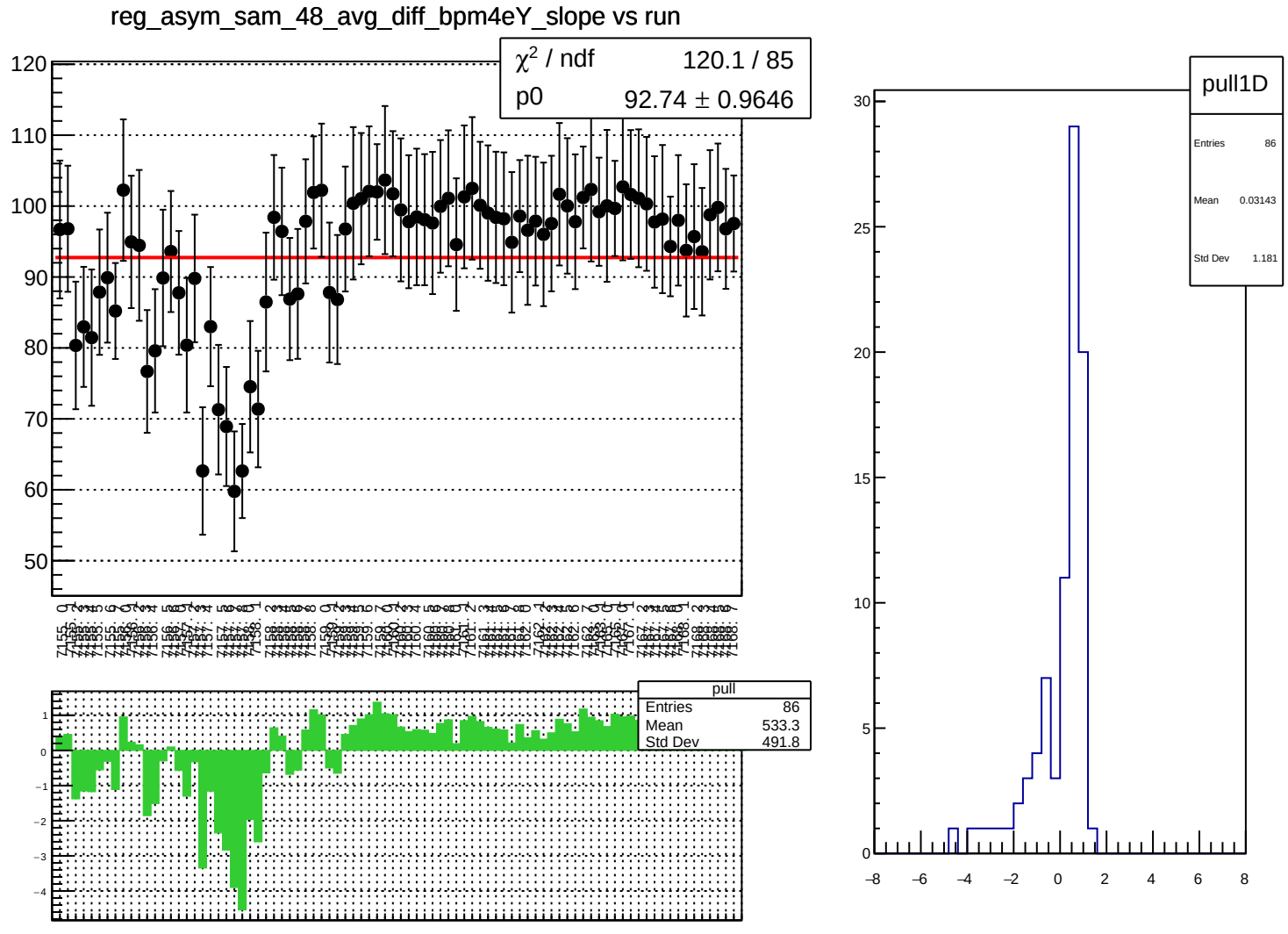

pull1D
Entries 86
Mean 0.02002
Std Dev 0.3316

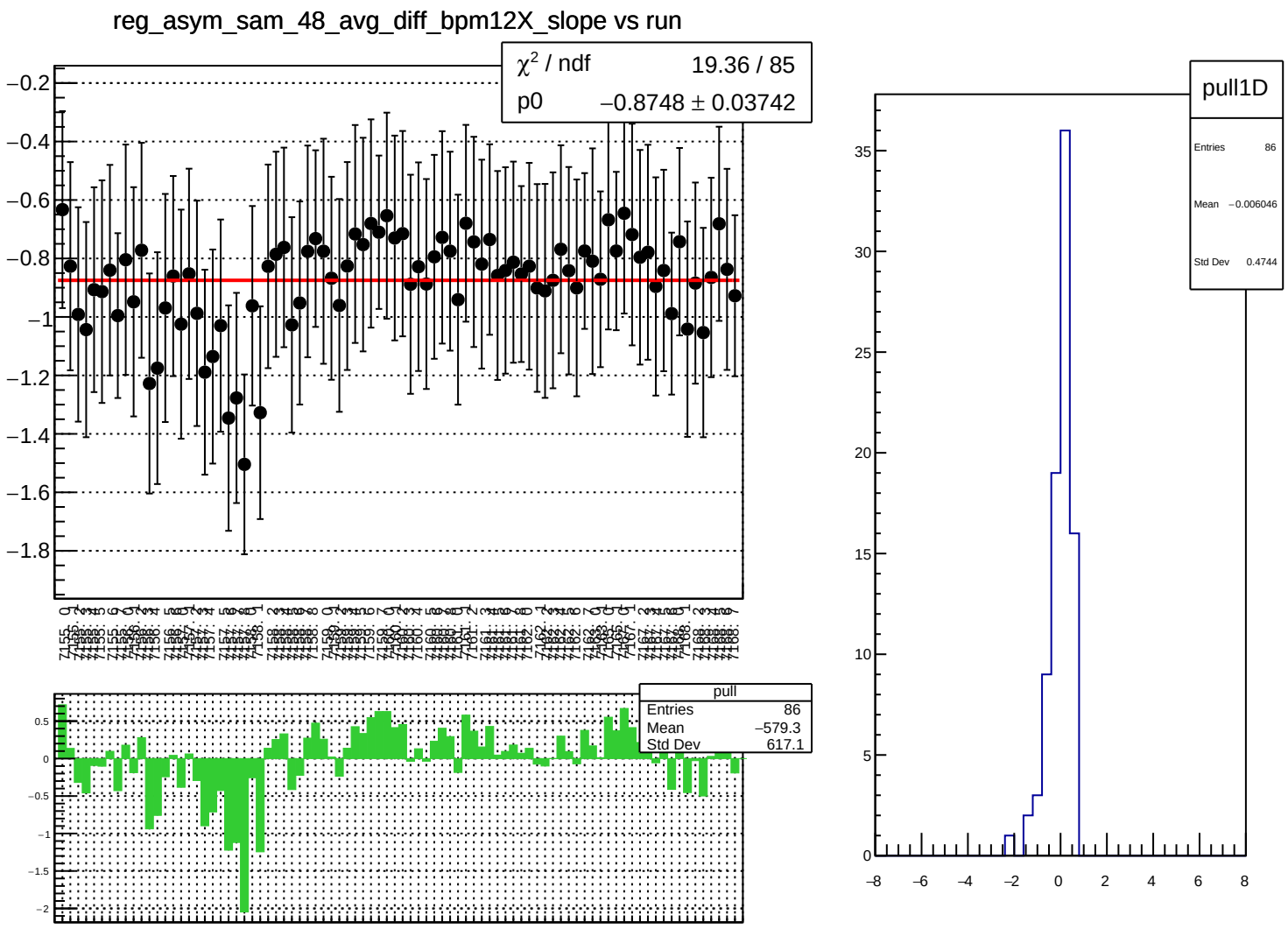

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 9.395 / 85
p0 1.655 ± 0.06119
pull
Entries 86
Mean 1959
Std Dev 1916
pull1D
Entries 86
Mean 0.001923
Std Dev 0.3305

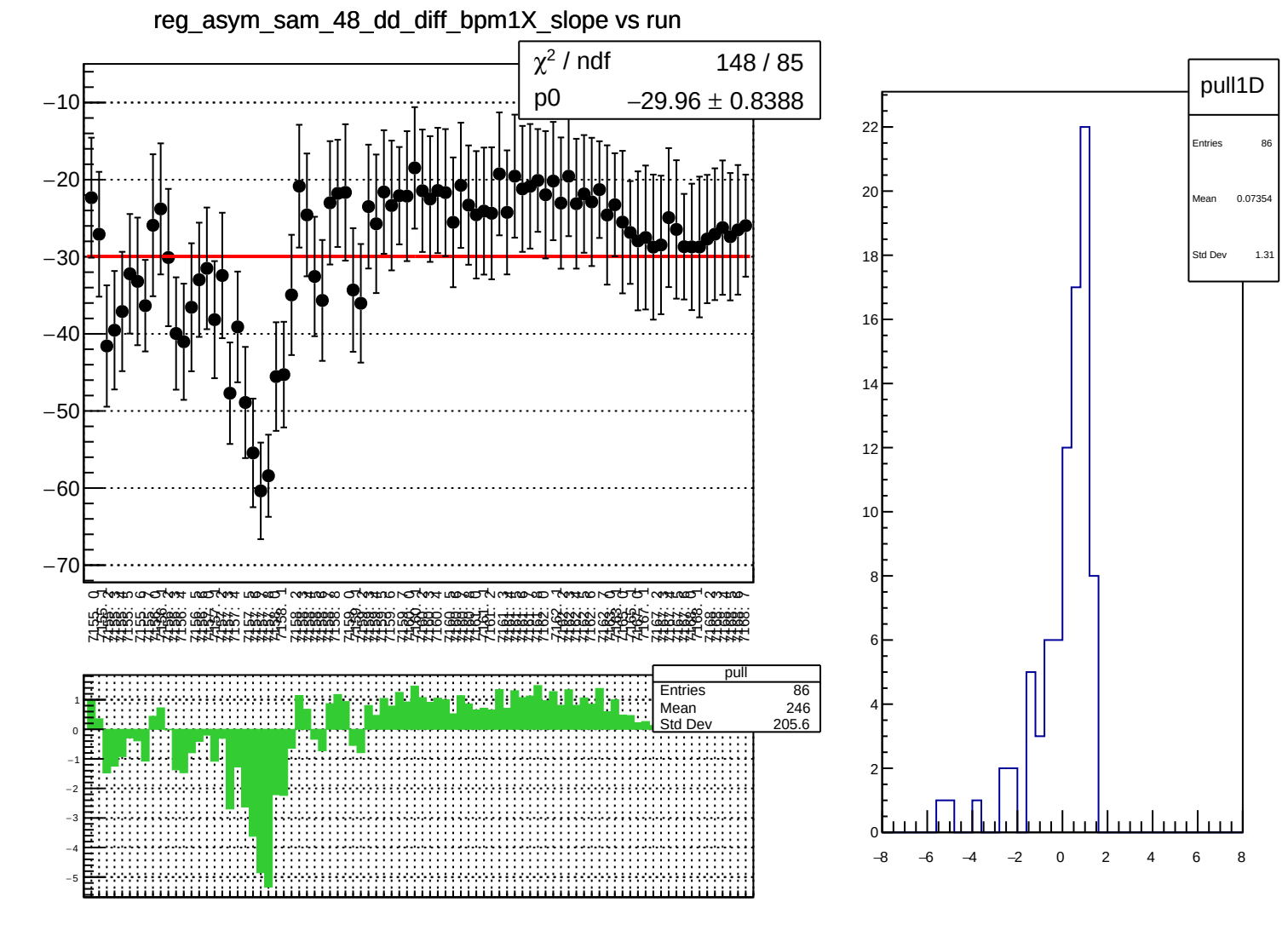

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 329.9 / 85
p0 −28.73 ± 0.9808
pull
Entries 86
Mean 254.3
Std Dev 211.8
pull1D
Entries 86
Mean 0.2233
Std Dev 1.734

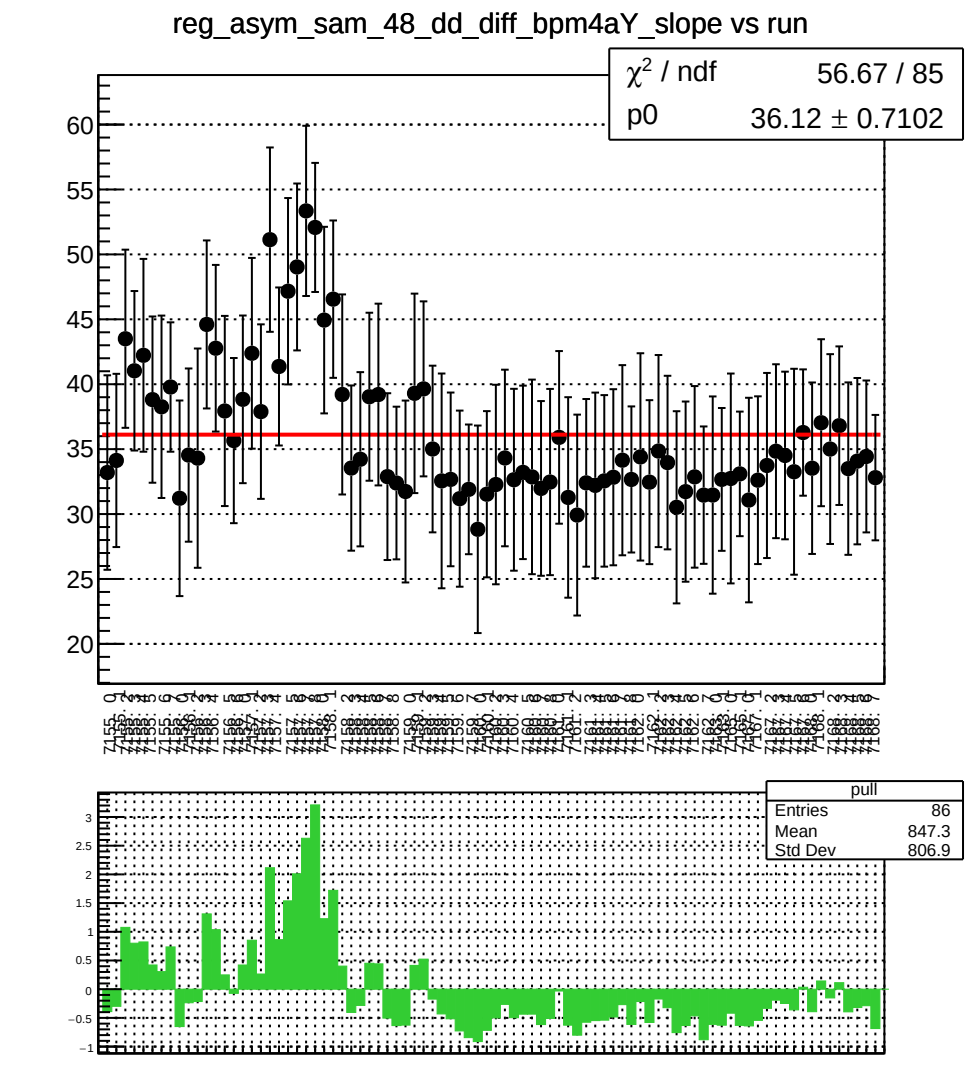

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 133.4 / 85
p0 2.83 ± 0.8298
40
30
20
10
0
−10
pull
Entries 86
Mean 5503
Std Dev 5461
pull1D
Entries 86
Mean −0.003227
Std Dev 1.245
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

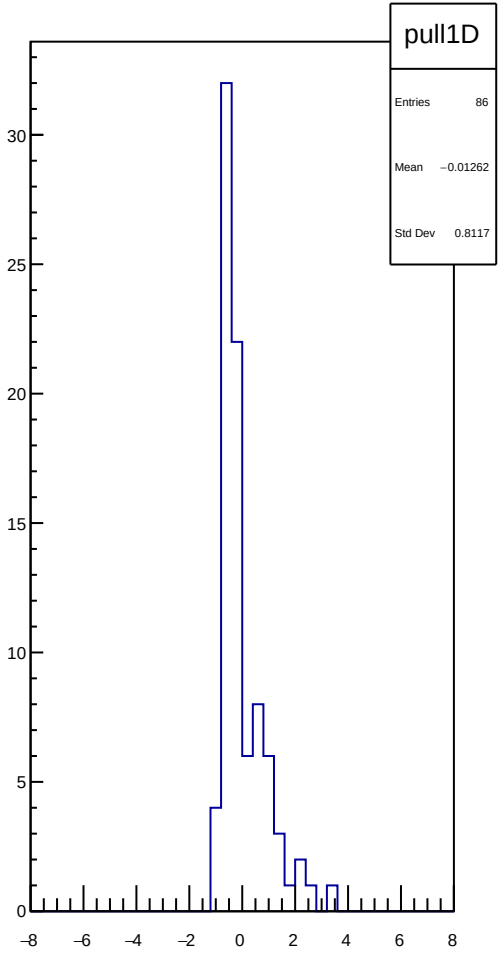

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 280.4 / 85
p0 −61.39 ± 0.9931
pull
Entries 86
Mean 253.5
Std Dev 211.3
pull1D
Entries 86
Mean −0.1136
Std Dev 1.802

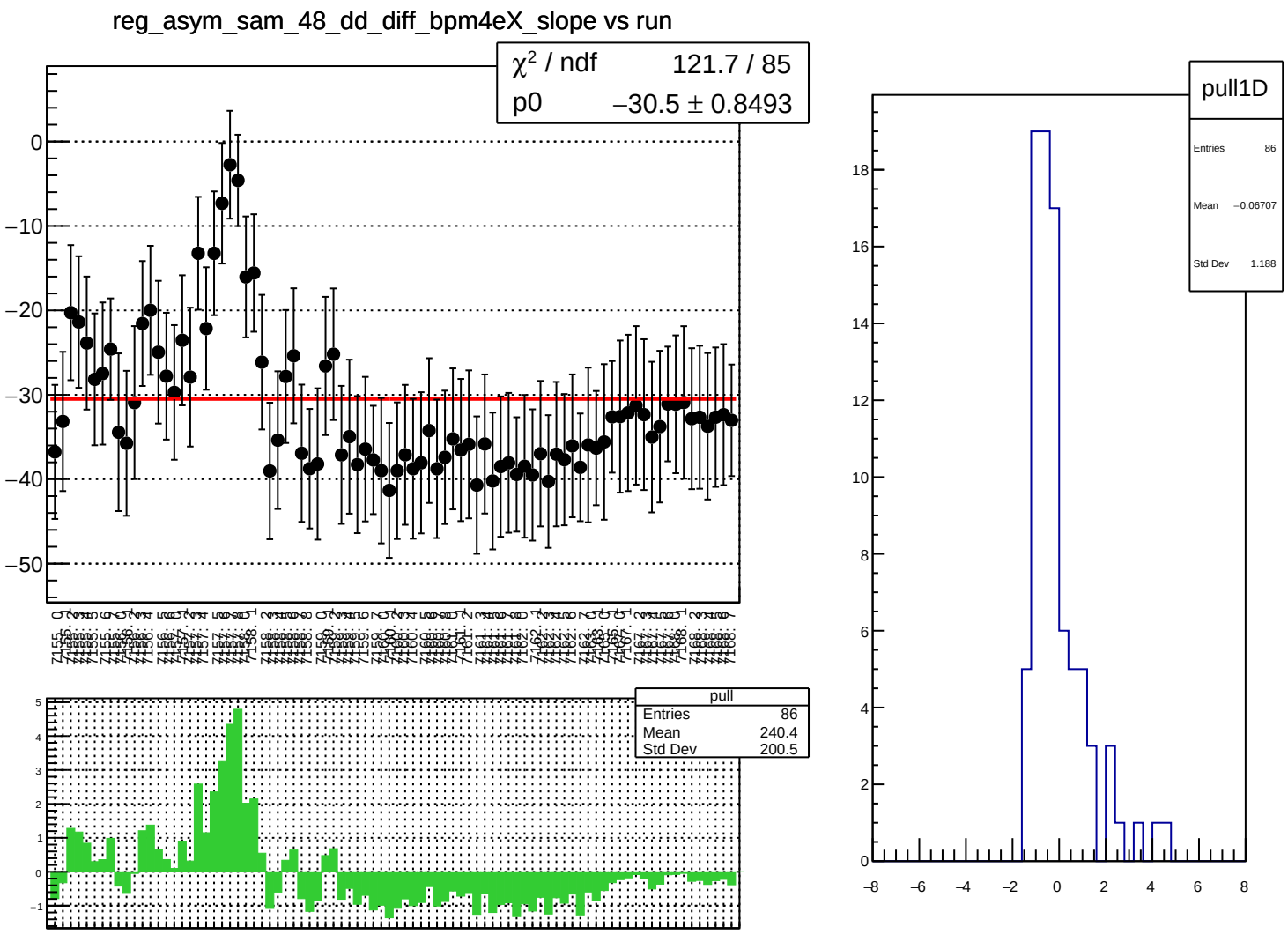

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 120.1 / 85
p0 92.74 ± 0.9646
pull
Entries 86
Mean 533.3
Std Dev 491.8
pull1D
Entries 86
Mean 0.03143
Std Dev 1.181

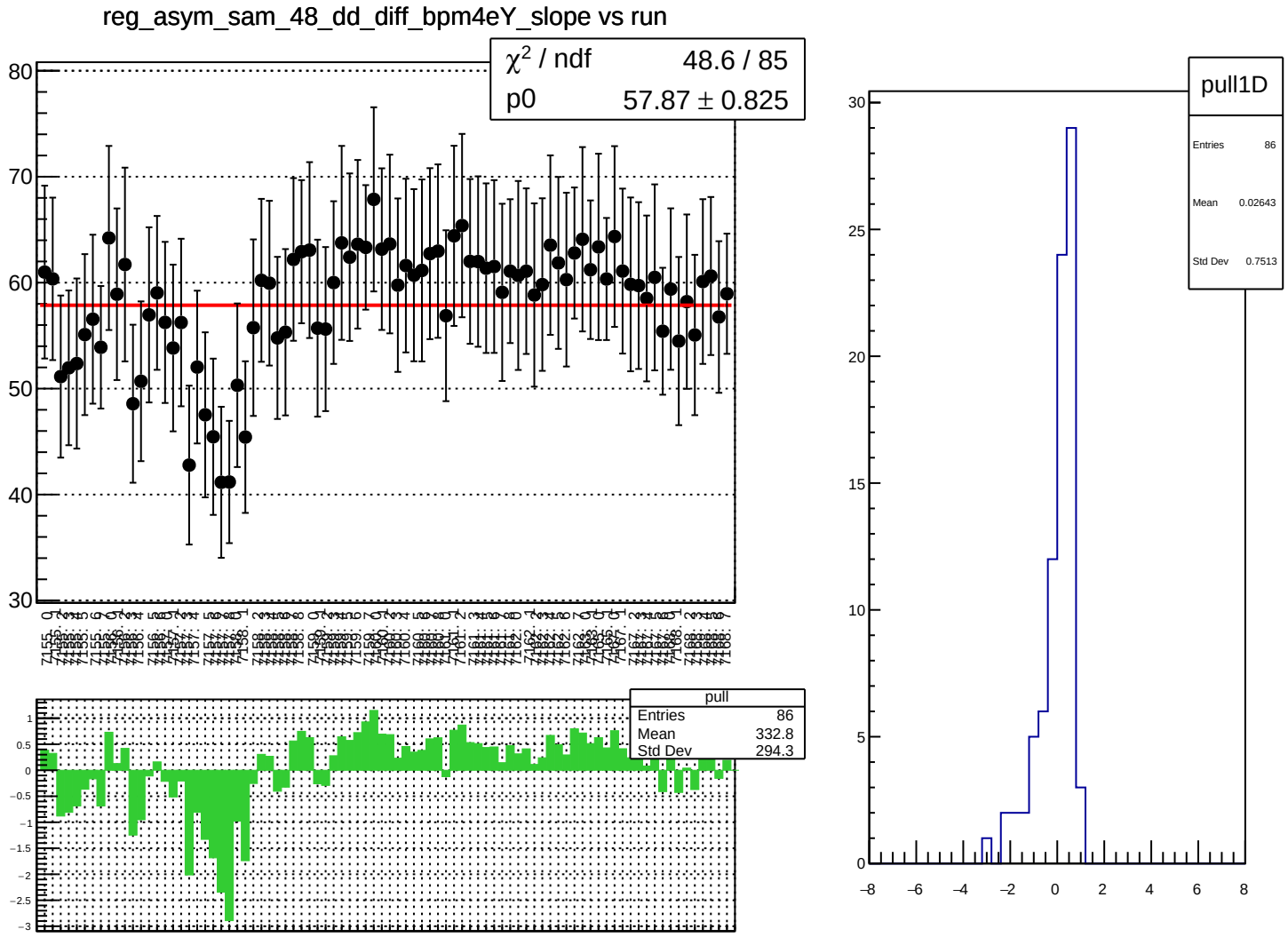

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 19.36 / 85
p0 −0.8748 ± 0.03742
pull
Entries 86
Mean −579.3
Std Dev 617.1
pull1D
Entries 86
Mean −0.006046
Std Dev 0.4744

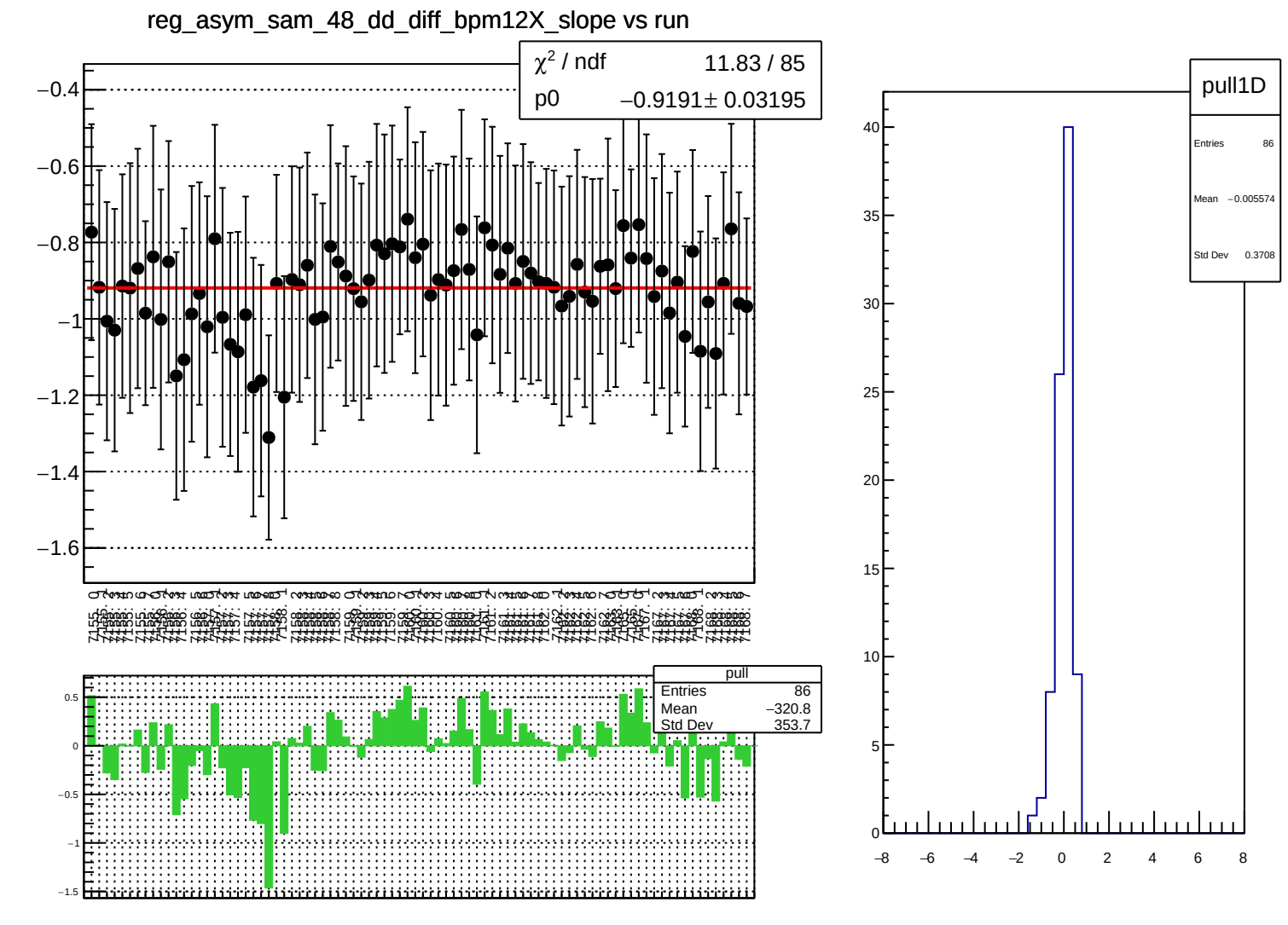

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 148 / 85
p0 −29.96 ± 0.8388
pull
Entries 86
Mean 246
Std Dev 205.6
pull1D
Entries 86
Mean 0.07354
Std Dev 1.31

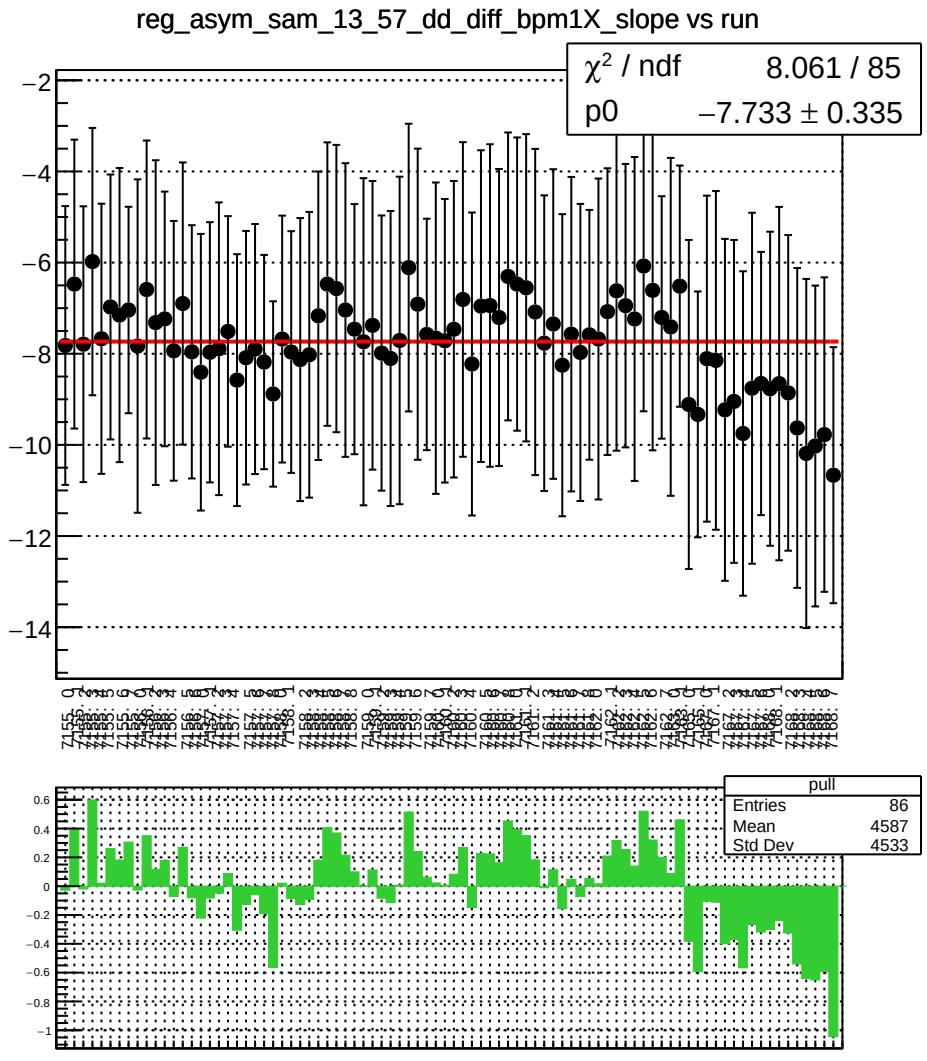

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.67 / 85
p0 36.12 ± 0.7102
pull
Entries 86
Mean 847.3
Std Dev 806.9

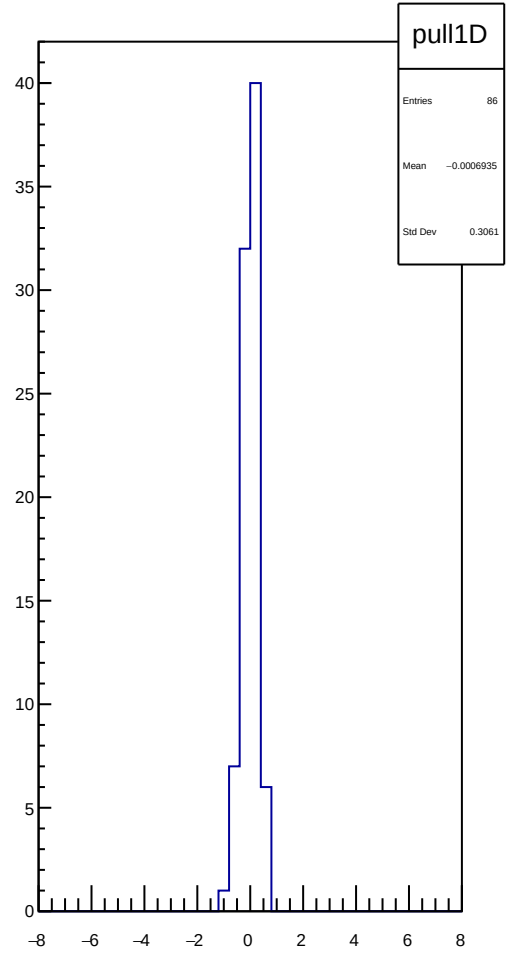

pull1D
Entries 86
Mean −0.01262
Std Dev 0.8117

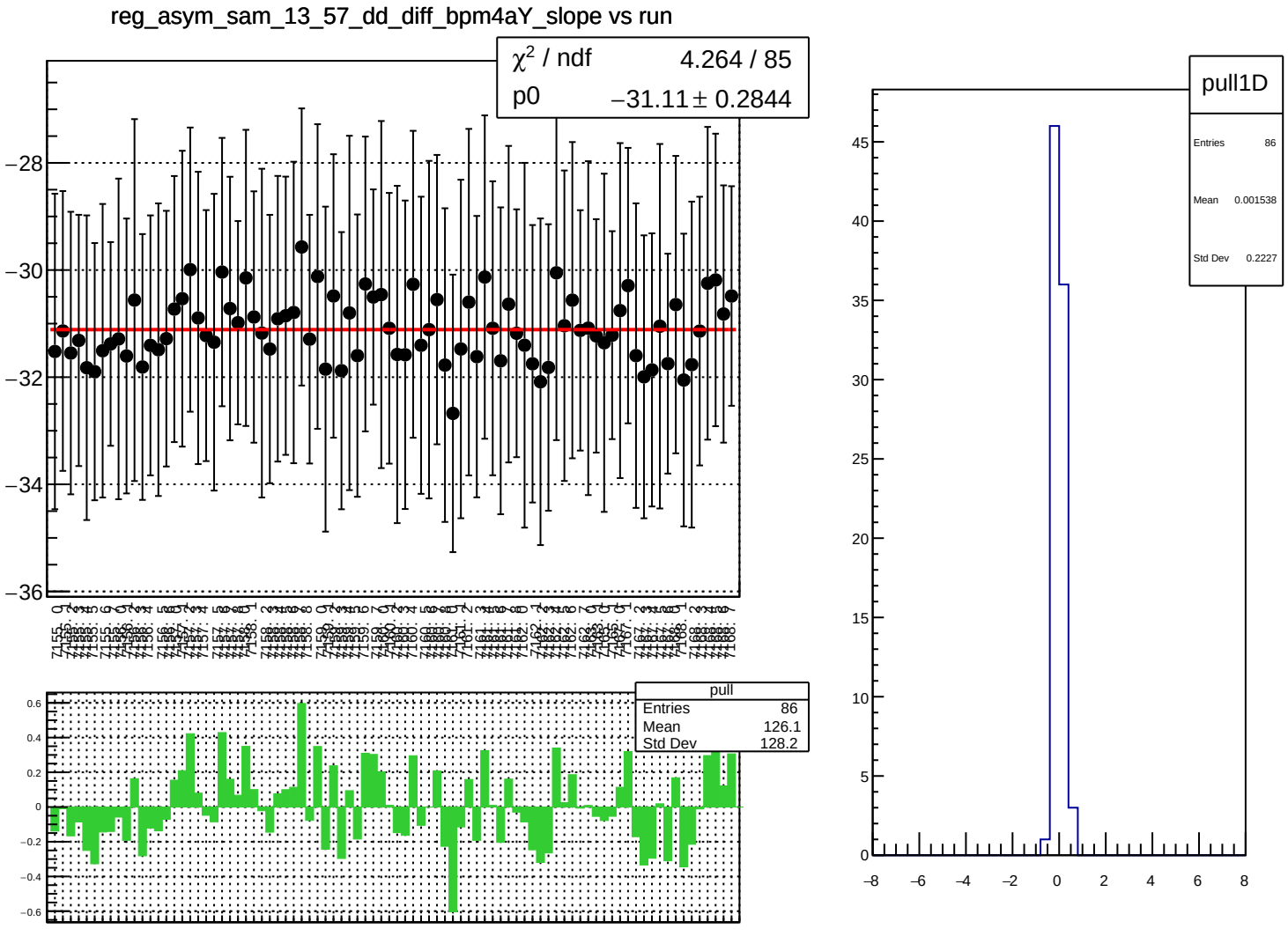

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 121.7 / 85
p0 −30.5 ± 0.8493
pull
Entries 86
Mean 240.4
Std Dev 200.5
pull1D
Entries 86
Mean −0.06707
Std Dev 1.188

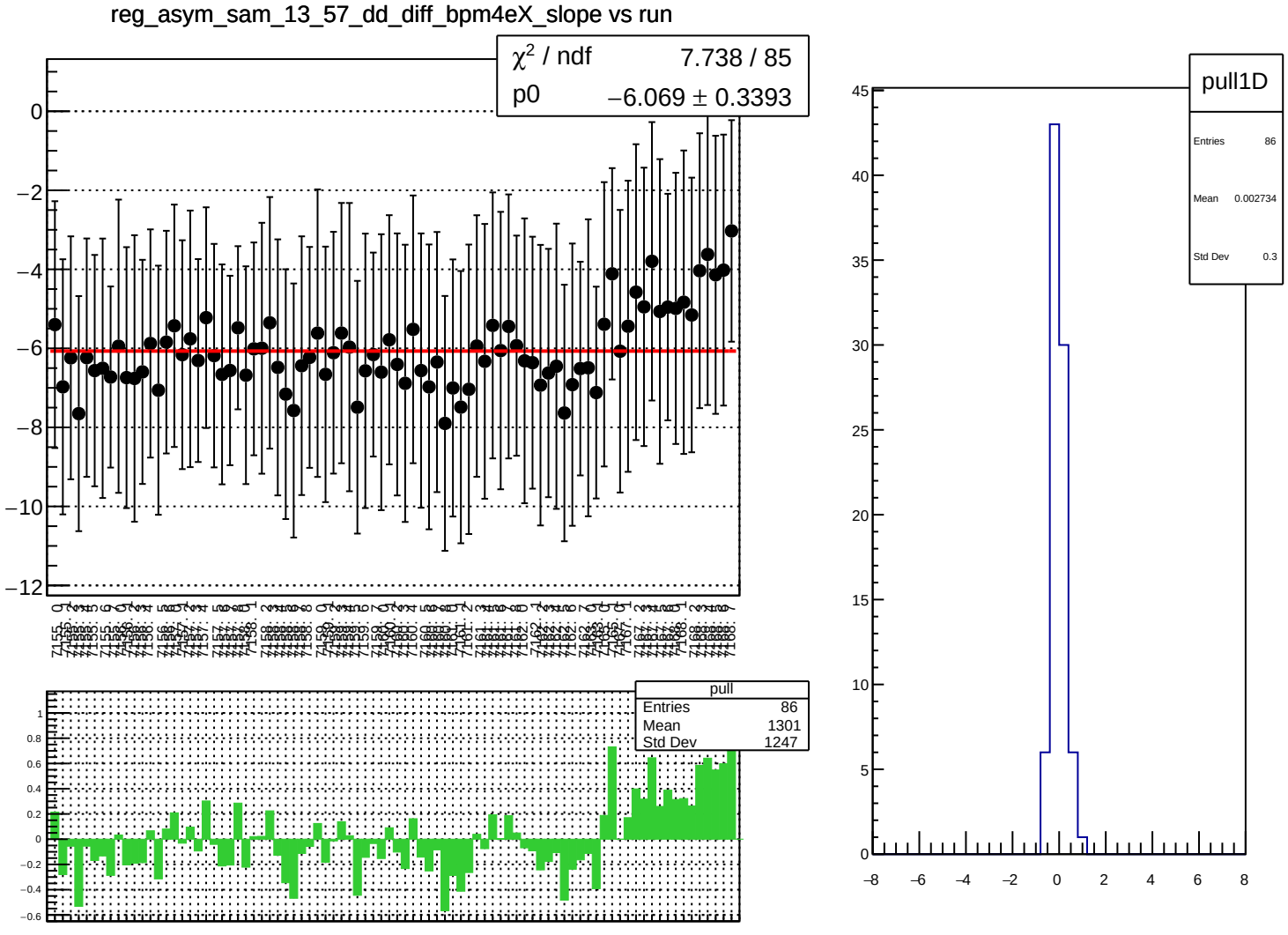

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.6 / 85
p0 57.87 ± 0.825
pull
Entries 86
Mean 332.8
Std Dev 294.3
pull1D
Entries 86
Mean 0.02643
Std Dev 0.7513

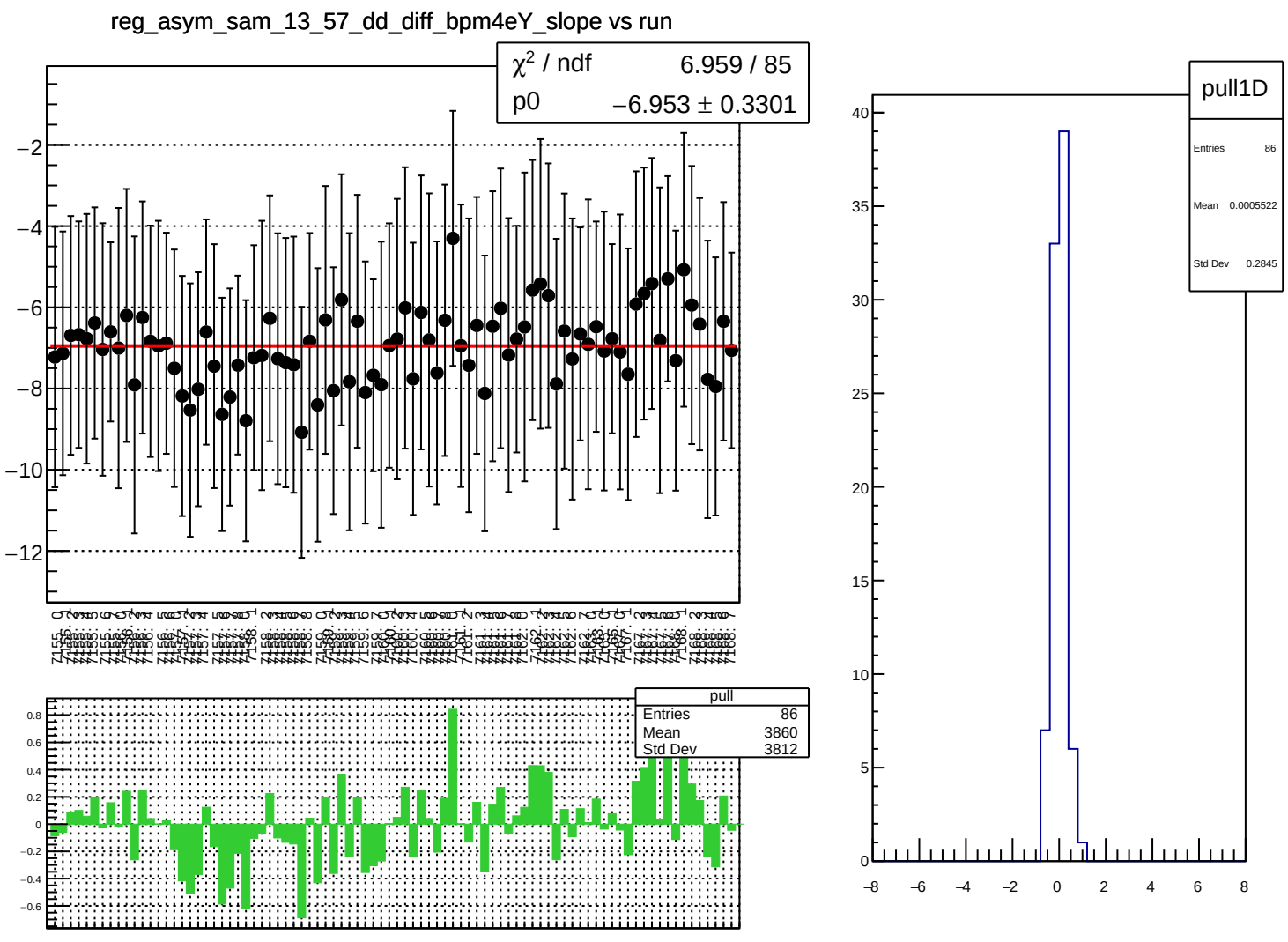

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 11.83 / 85
p0 −0.9191 ± 0.03195
pull
Entries 86
Mean −320.8
Std Dev 353.7
pull1D
Entries 86
Mean −0.005574
Std Dev 0.3708

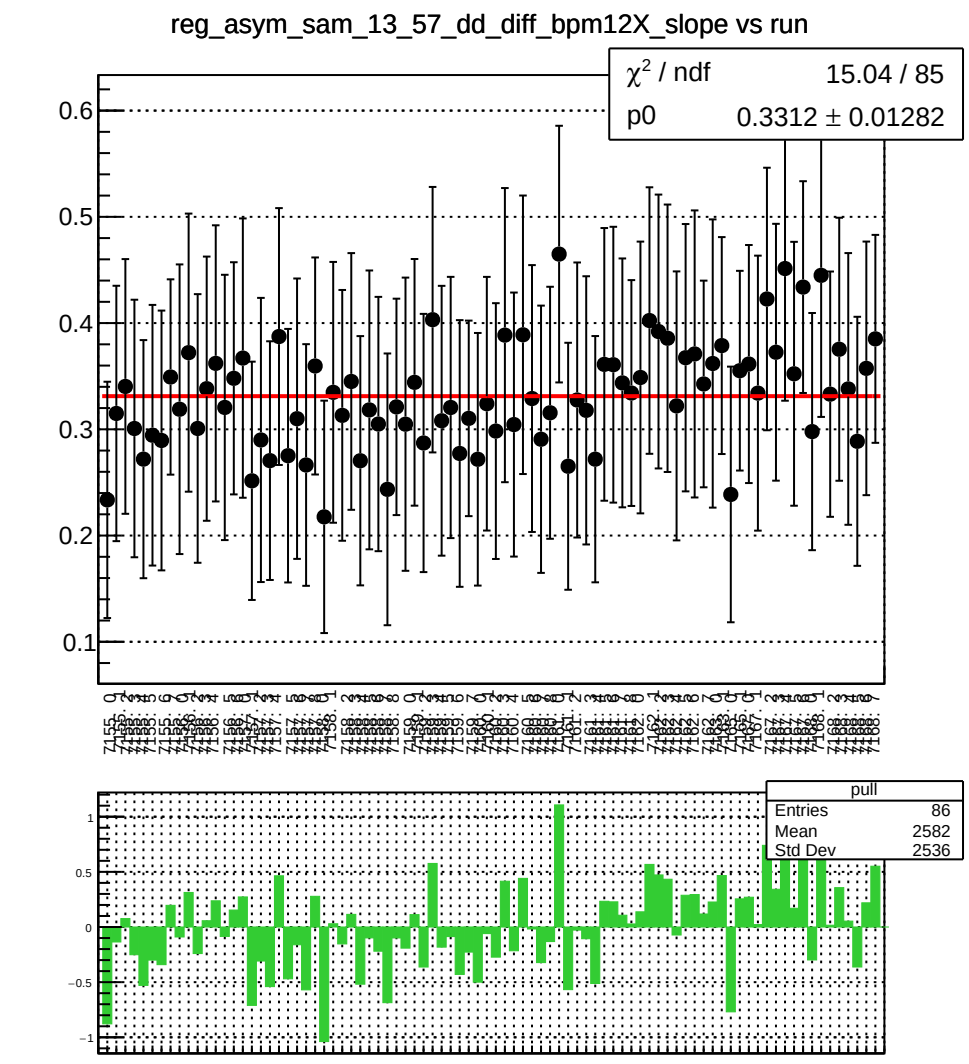

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 8.061 / 85
p0 −7.733 ± 0.335
pull
Entries 86
Mean 4587
Std Dev 4533

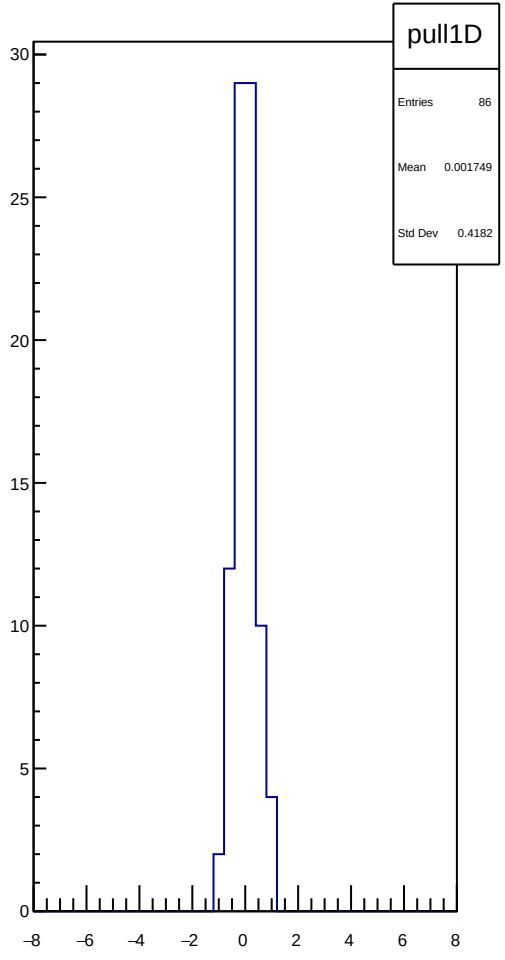

pull1D
Entries 86
Mean −0.0006935
Std Dev 0.3061

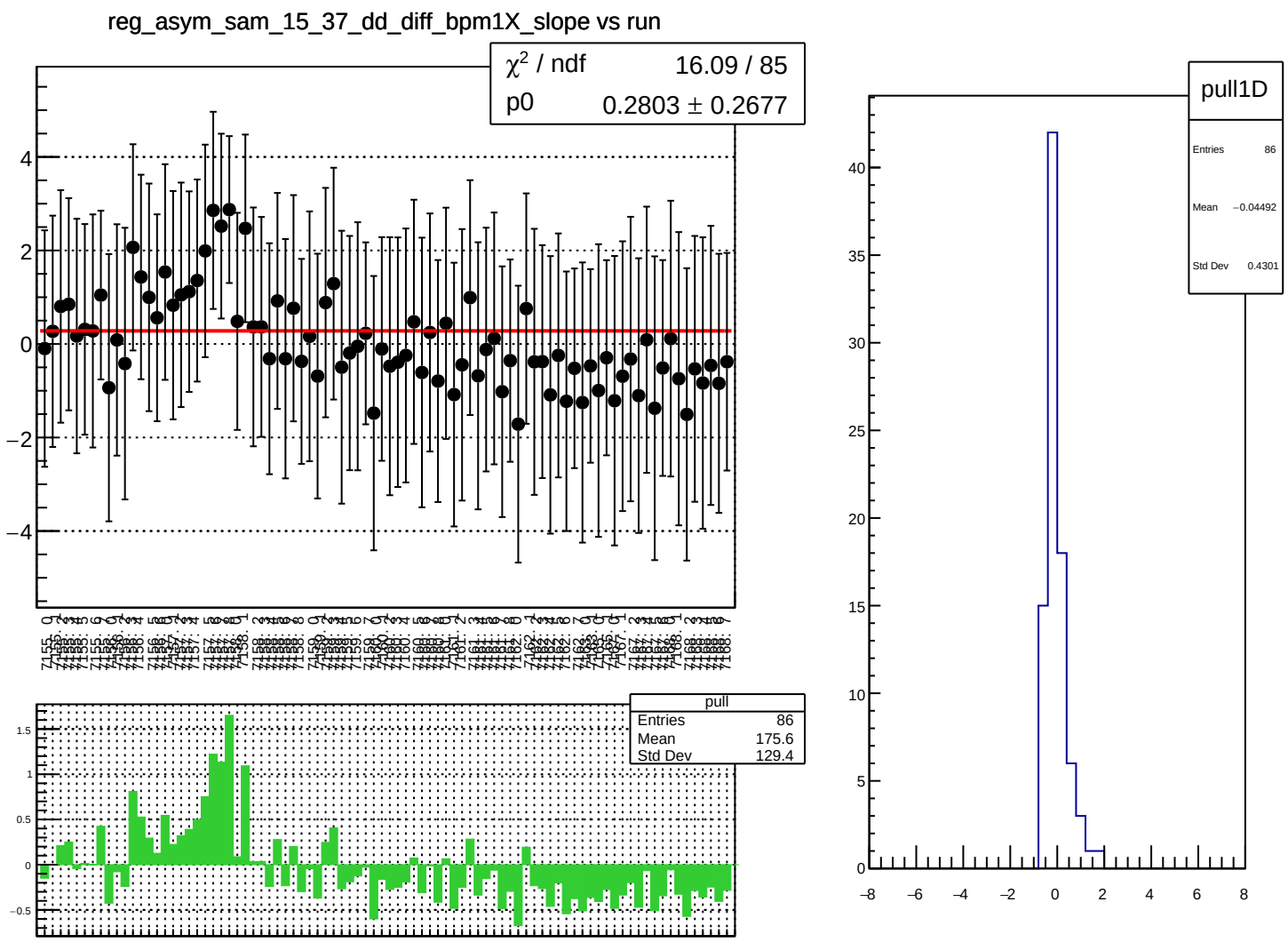

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.264 / 85
p0 −31.11 ± 0.2844
−28
−30
−32
−34
−36
pull
Entries 86
Mean 126.1
Std Dev 128.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean 0.001538
Std Dev 0.2227
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

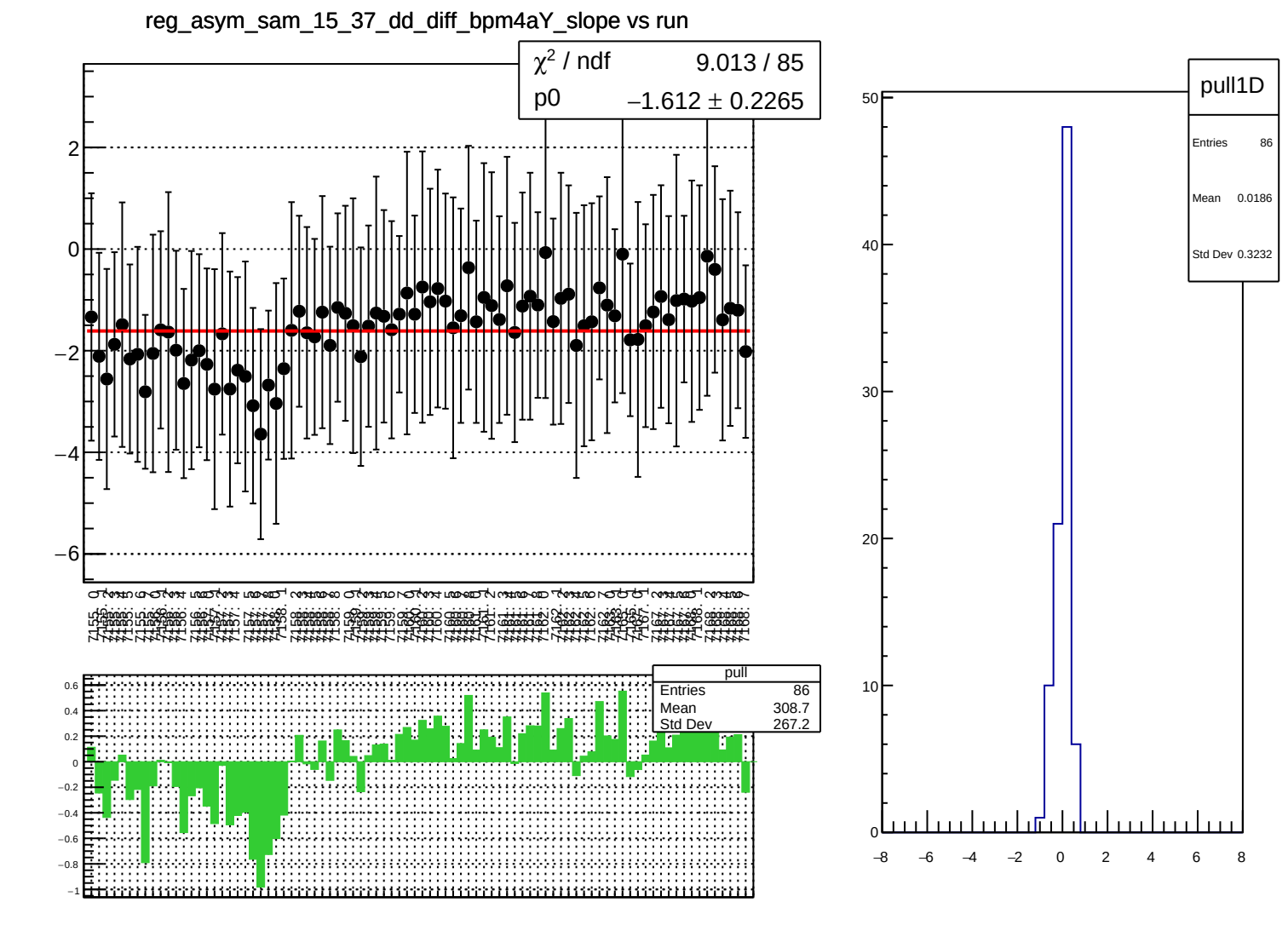

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.738 / 85
p0 −6.069 ± 0.3393
pull
Entries 86
Mean 1301
Std Dev 1247
pull1D
Entries 86
Mean 0.002734
Std Dev 0.3

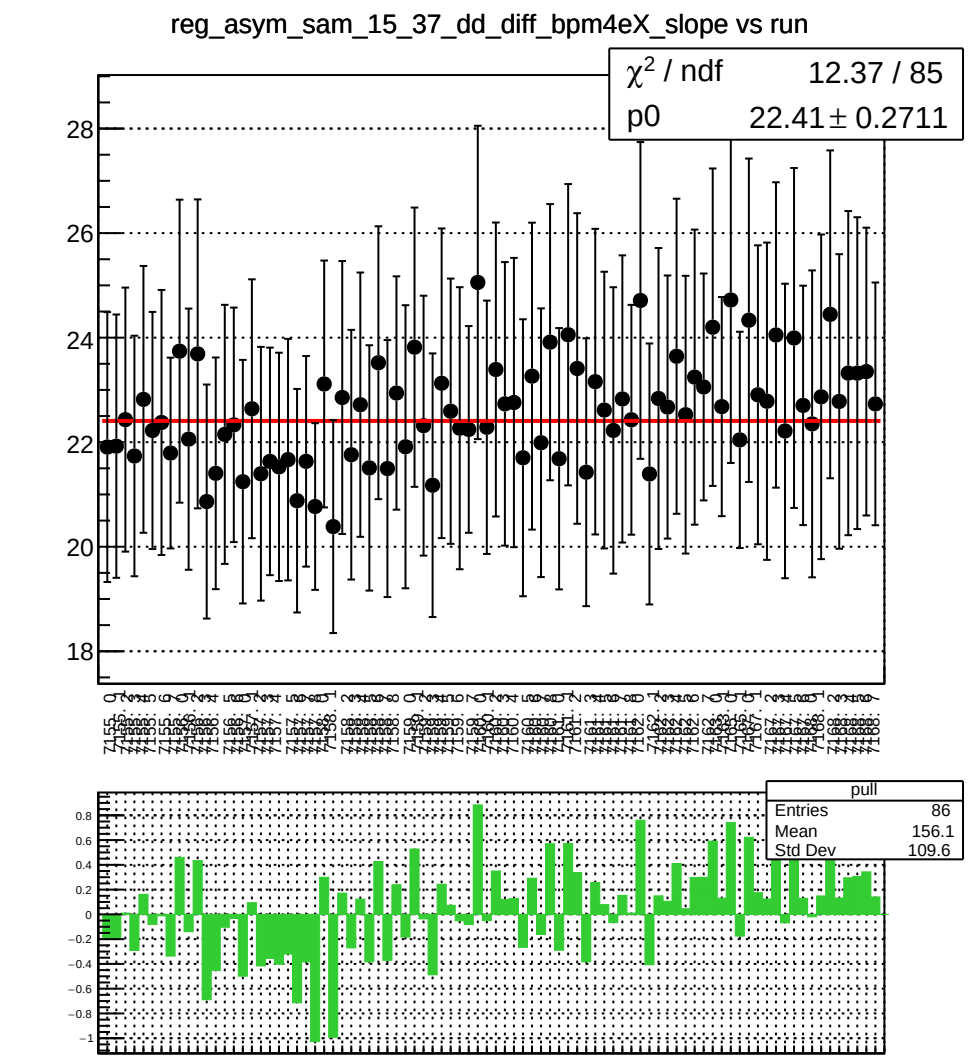

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.959 / 85
p0 −6.953 ± 0.3301
pull
Entries 86
Mean 3860
Std Dev 3812
pull1D
Entries 86
Mean 0.0005522
Std Dev 0.2845

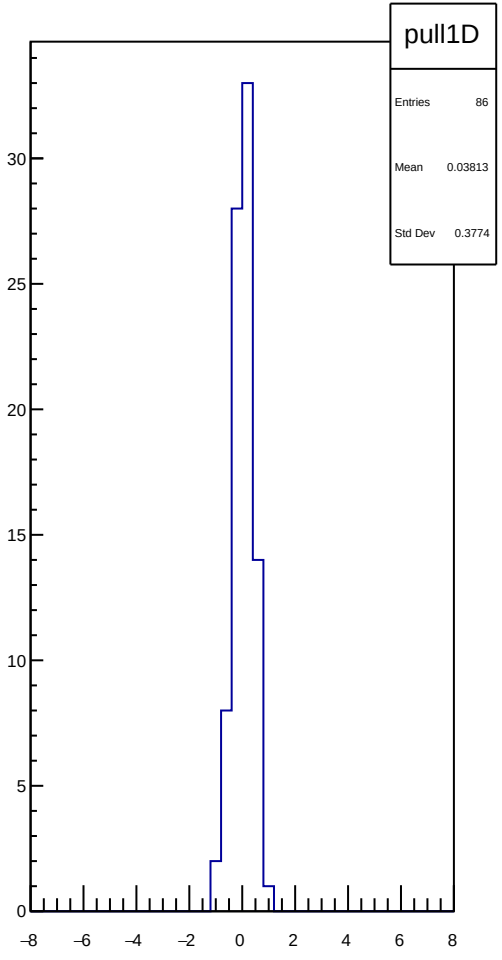

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 15.04 / 85
p0 0.3312 ± 0.01282
0.6
0.5
0.4
0.3
0.2
0.1
pull
Entries 86
Mean 2582
Std Dev 2536
1
0.5
0
−0.5
−1

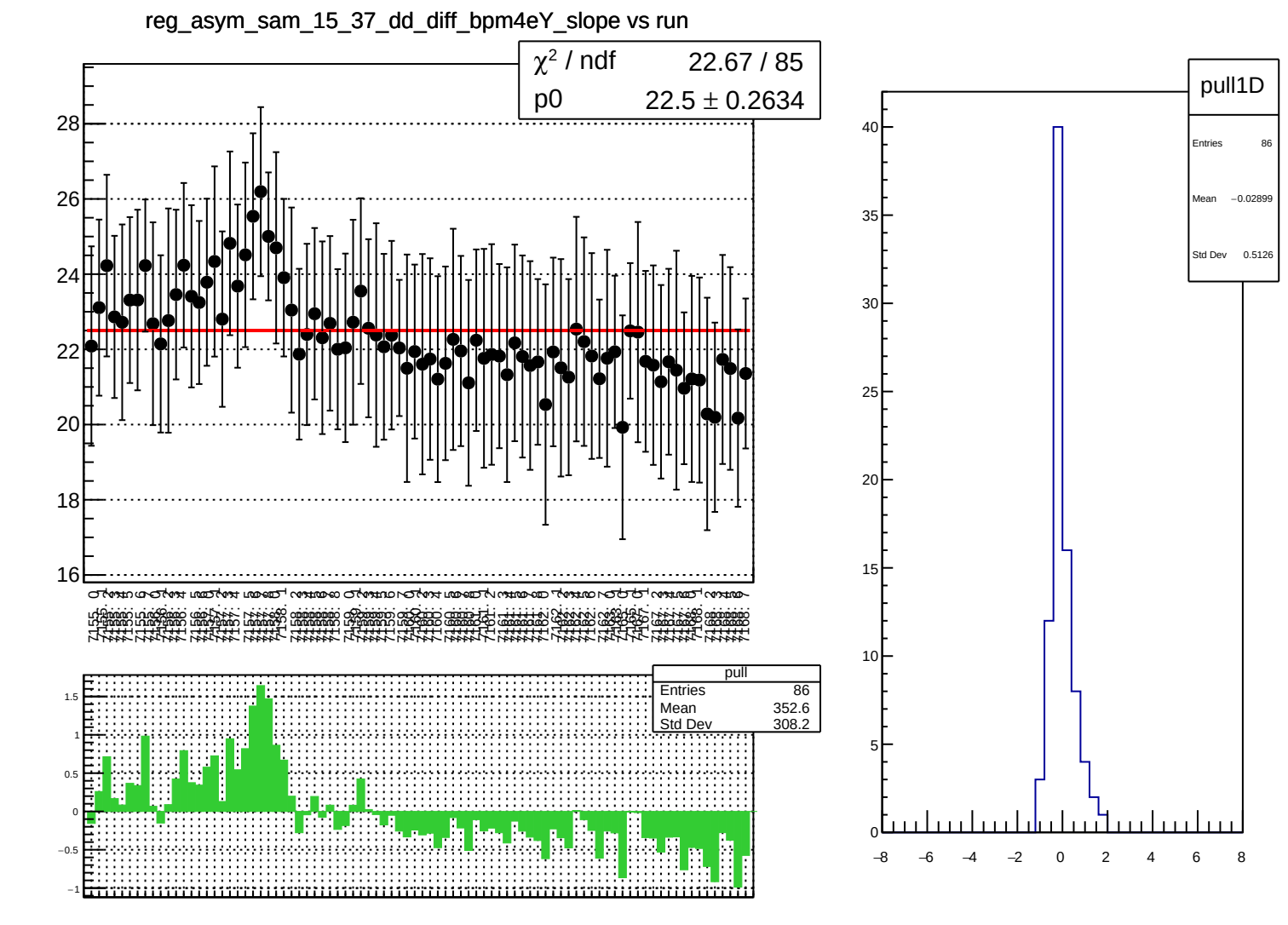

pull1D
Entries 86
Mean 0.001749
Std Dev 0.4182
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

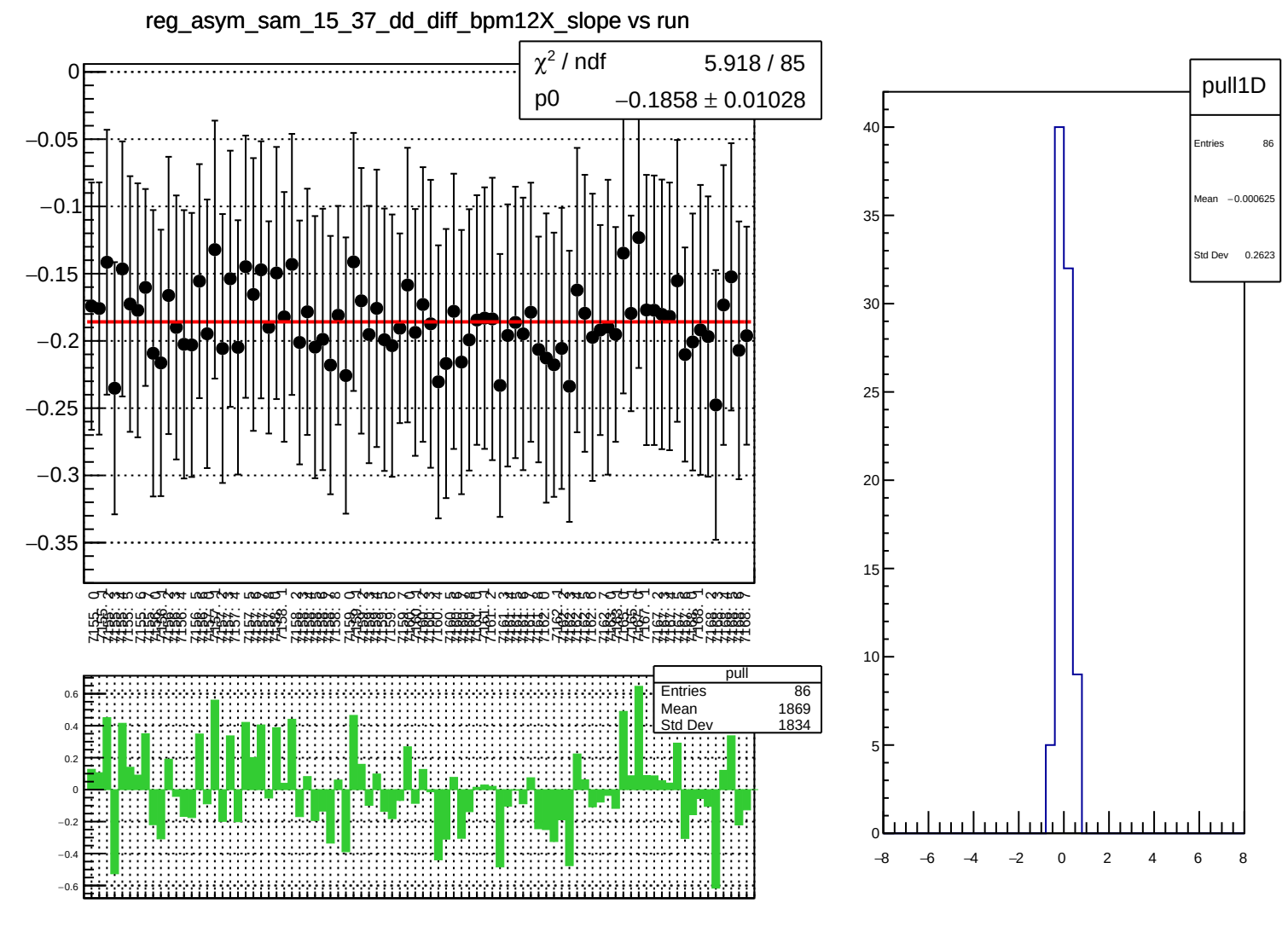

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 16.09 / 85
p0 0.2803 ± 0.2677
pull
Entries 86
Mean 175.6
Std Dev 129.4
pull1D
Entries 86
Mean −0.04492
Std Dev 0.4301

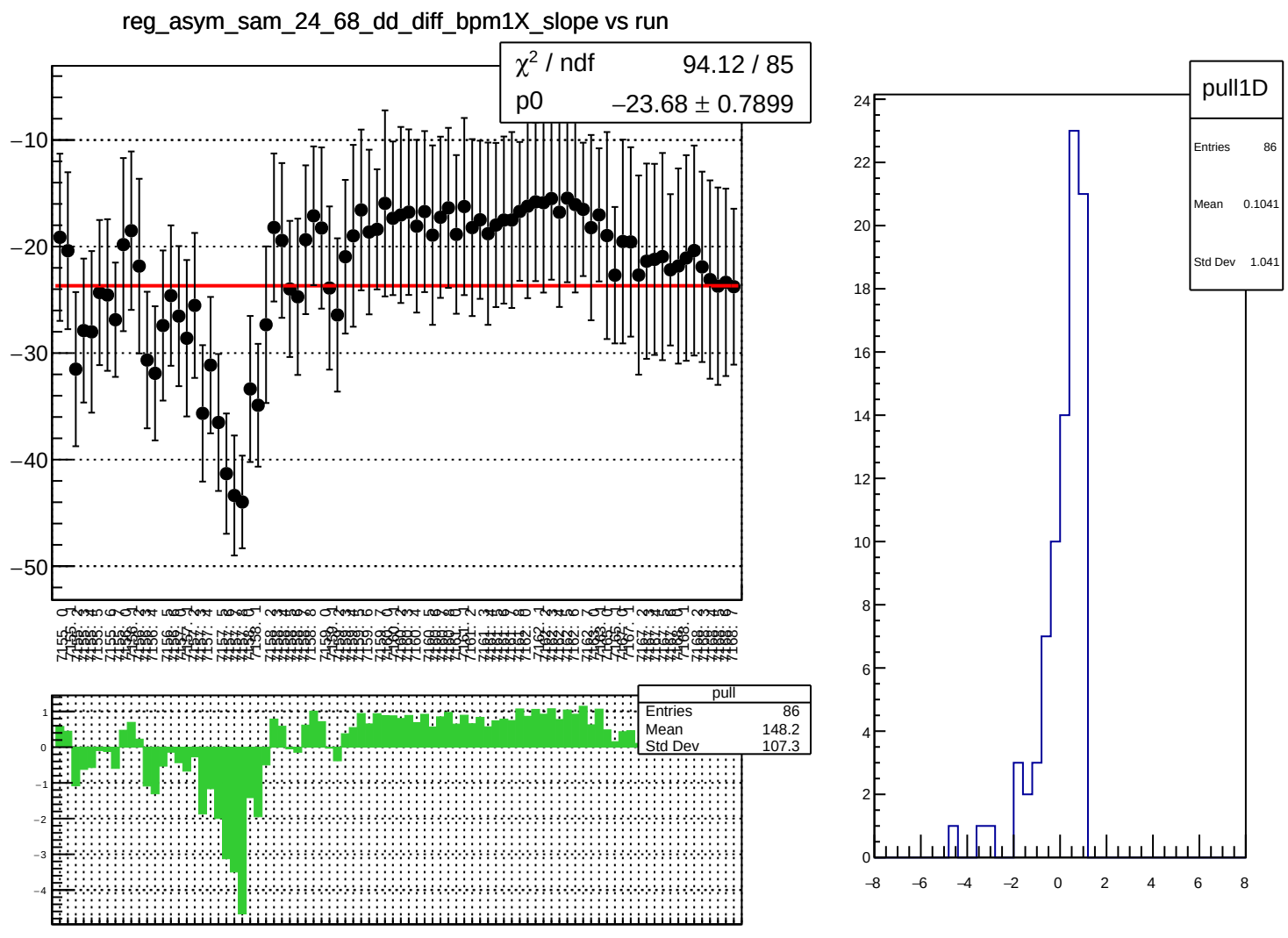

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.013 / 85
p0 −1.612 ± 0.2265
pull
Entries 86
Mean 308.7
Std Dev 267.2
pull1D
Entries 86
Mean 0.0186
Std Dev 0.3232

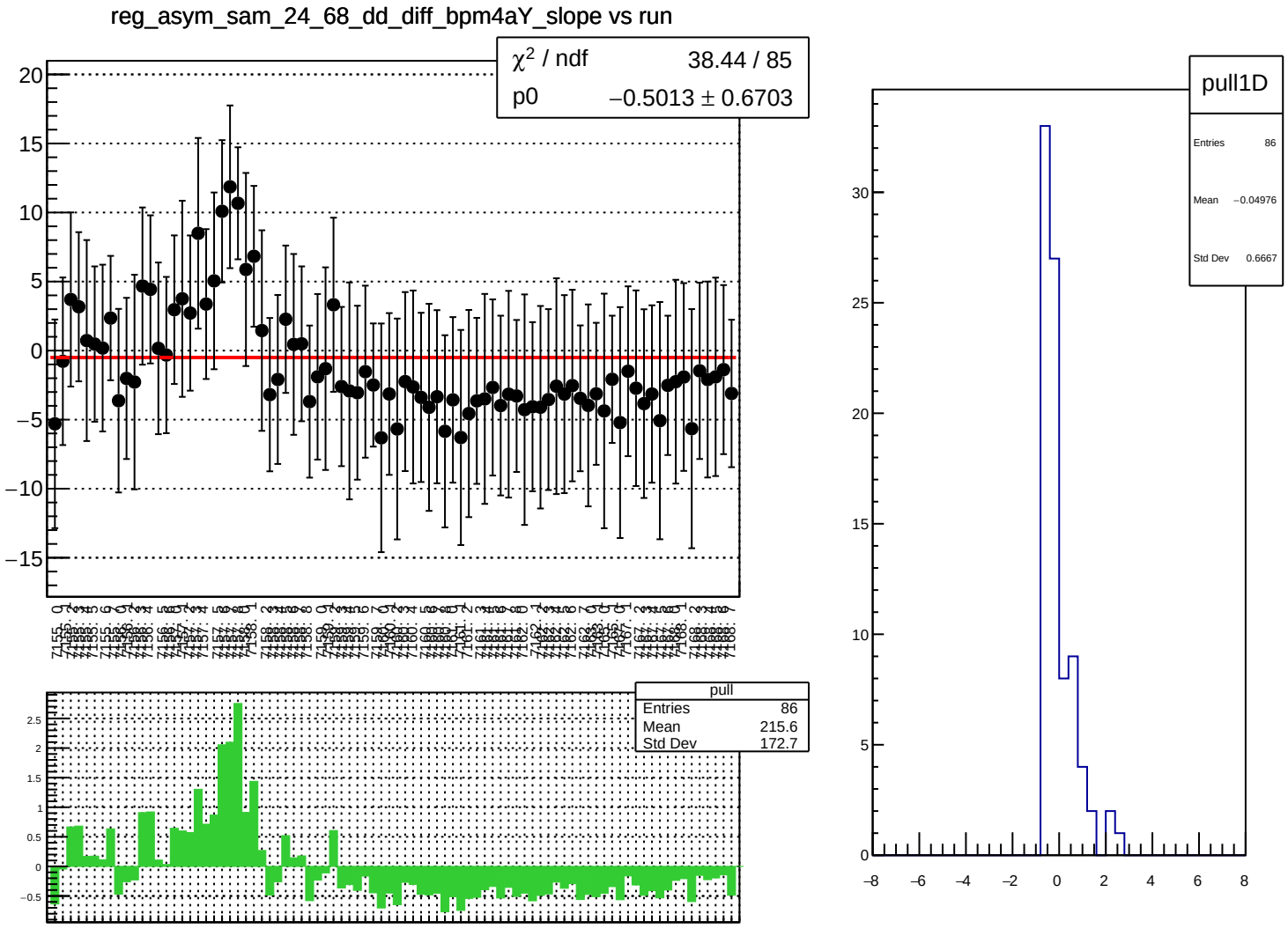

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.37 / 85
p0 22.41 ± 0.2711
pull
Entries 86
Mean 156.1
Std Dev 109.6

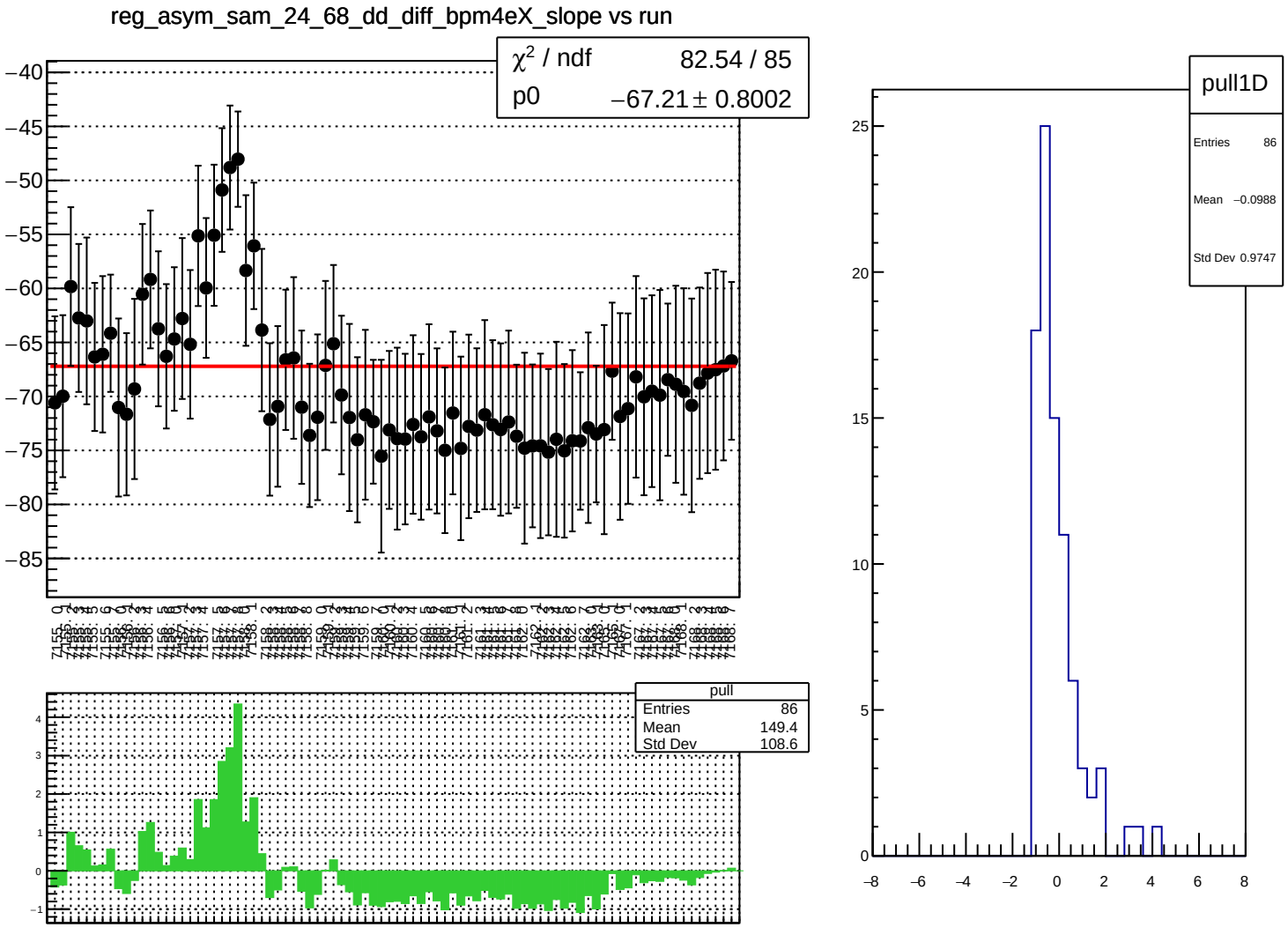

pull1D
Entries 86
Mean 0.03813
Std Dev 0.3774

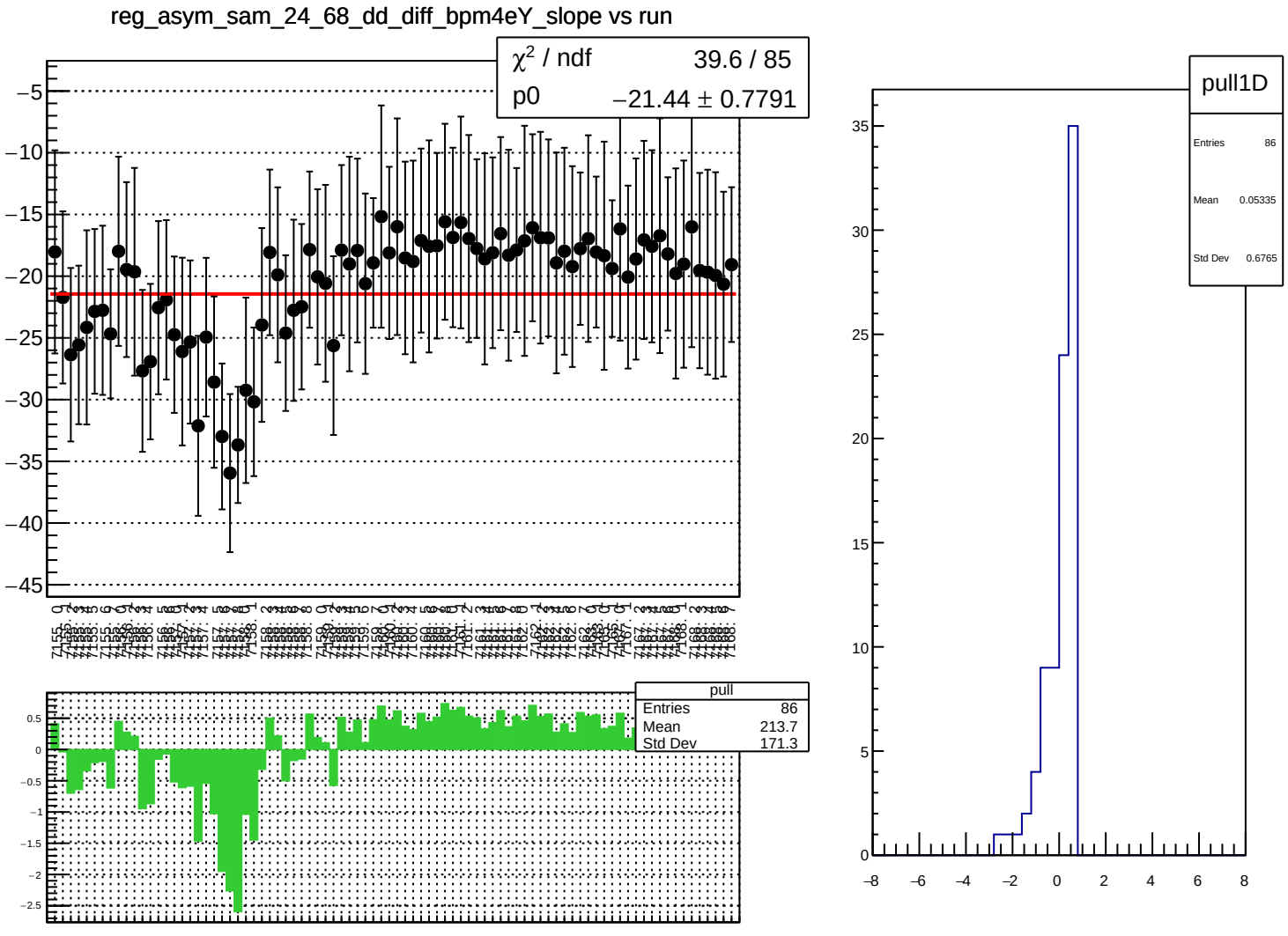

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.67 / 85
p0 22.5 ± 0.2634
pull
Entries 86
Mean 352.6
Std Dev 308.2
pull1D
Entries 86
Mean −0.02899
Std Dev 0.5126

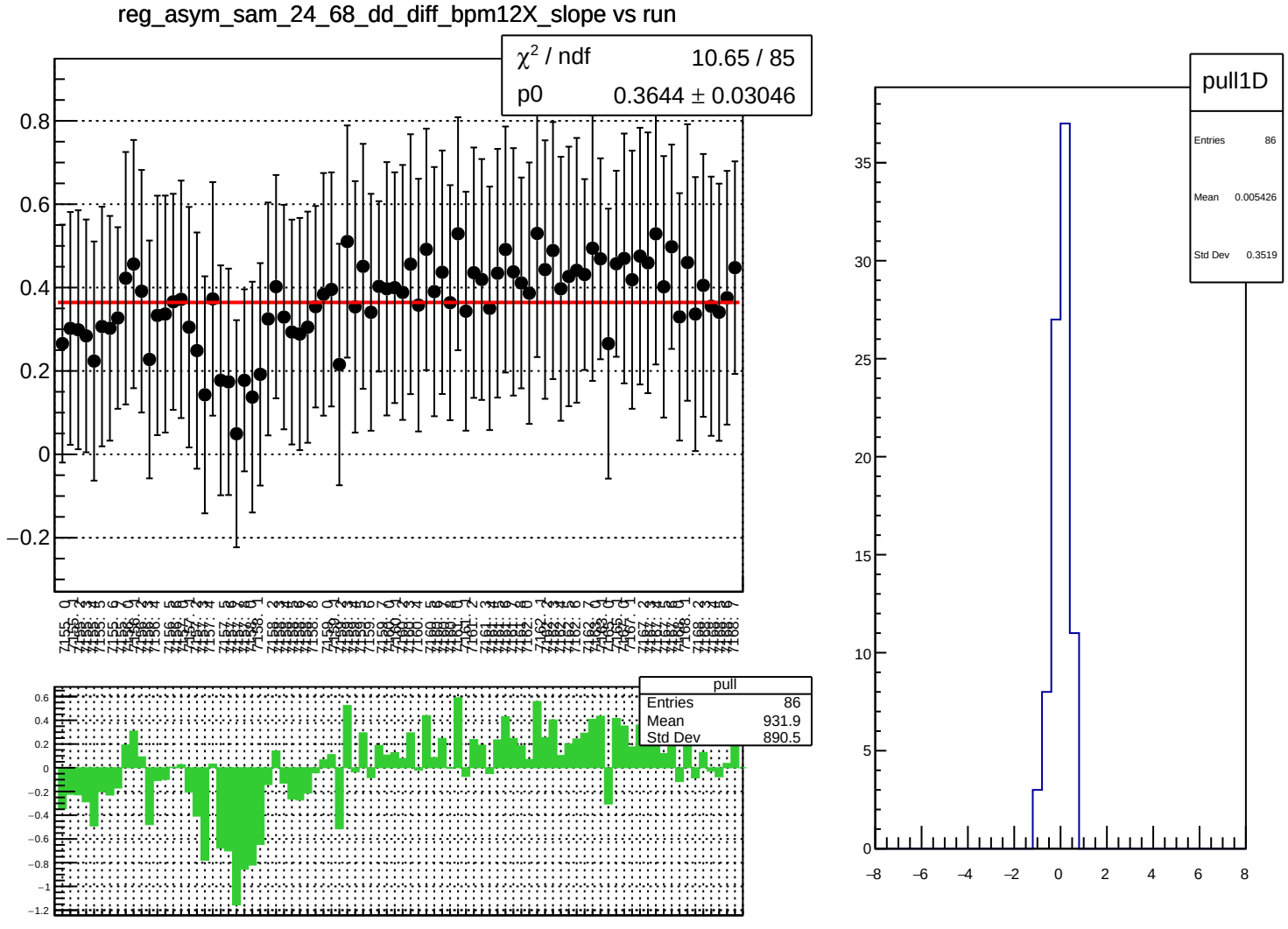

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 5.918 / 85
p0 −0.1858 ± 0.01028
pull
Entries 86
Mean 1869
Std Dev 1834
pull1D
Entries 86
Mean −0.000625
Std Dev 0.2623

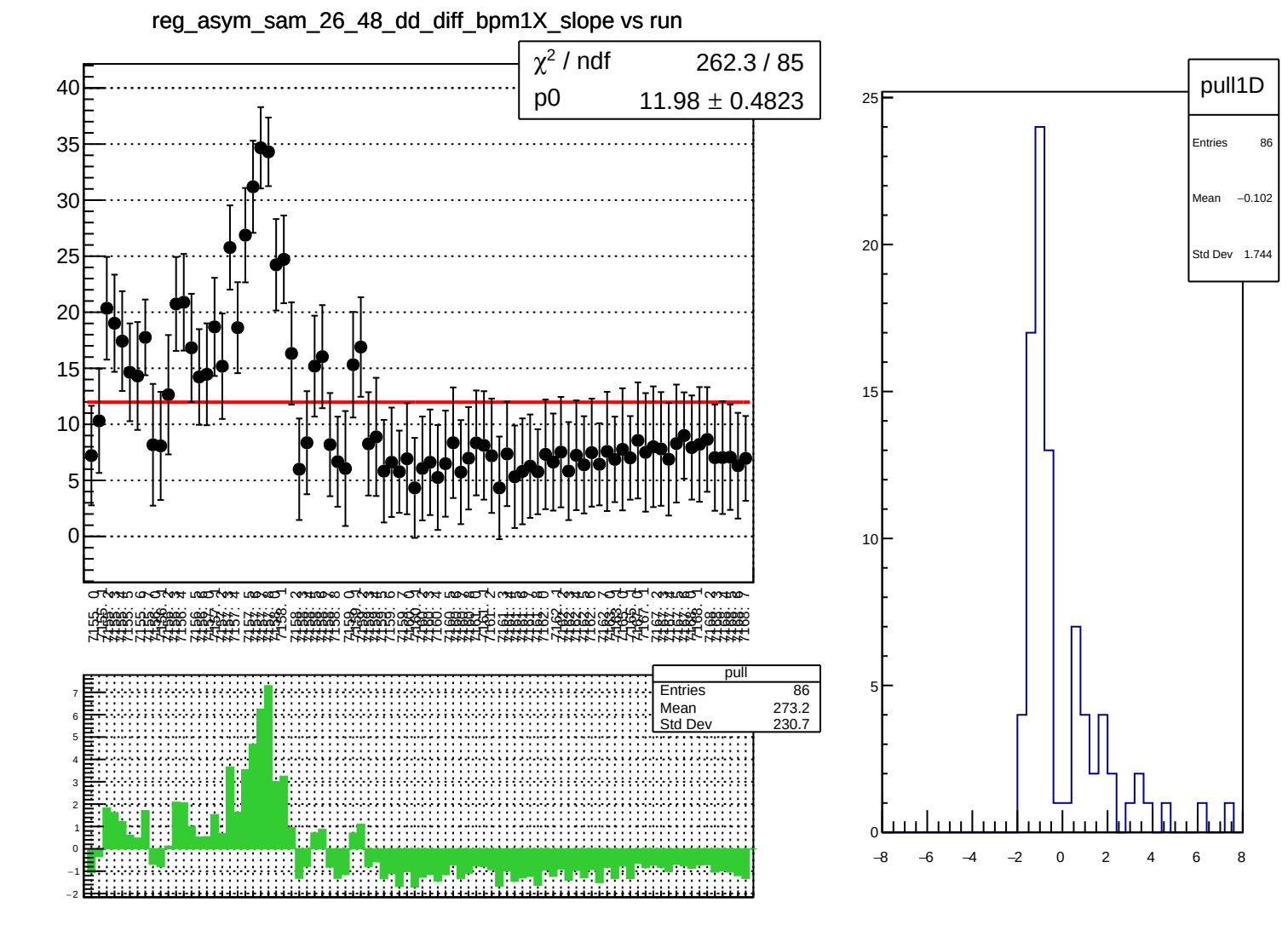

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 94.12 / 85
p0 −23.68 ± 0.7899
pull
Entries 86
Mean 148.2
Std Dev 107.3
pull1D
Entries 86
Mean 0.1041
Std Dev 1.041

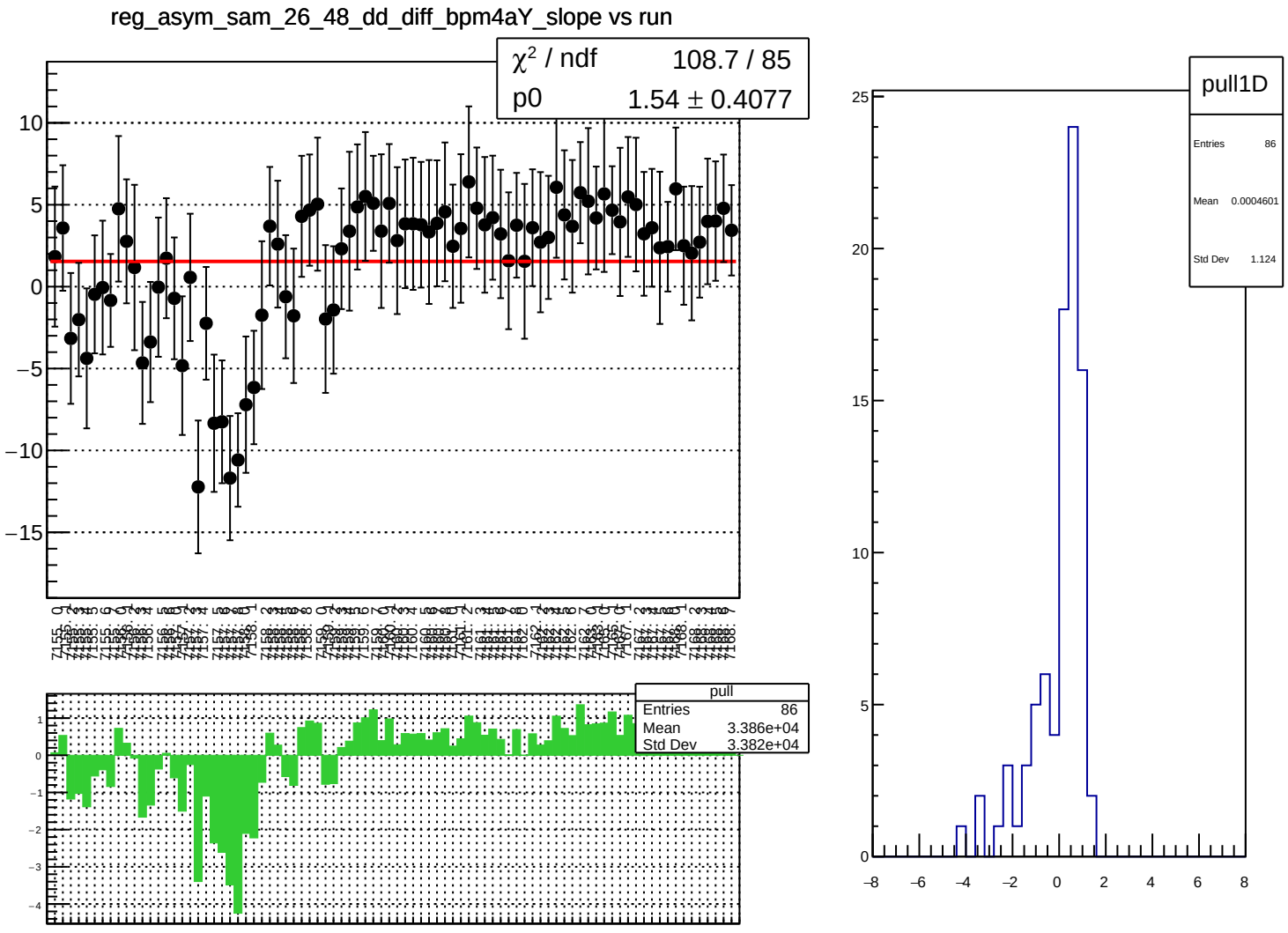

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.44 / 85
p0 −0.5013 ± 0.6703
pull
Entries 86
Mean 215.6
Std Dev 172.7
pull1D
Entries 86
Mean −0.04976
Std Dev 0.6667

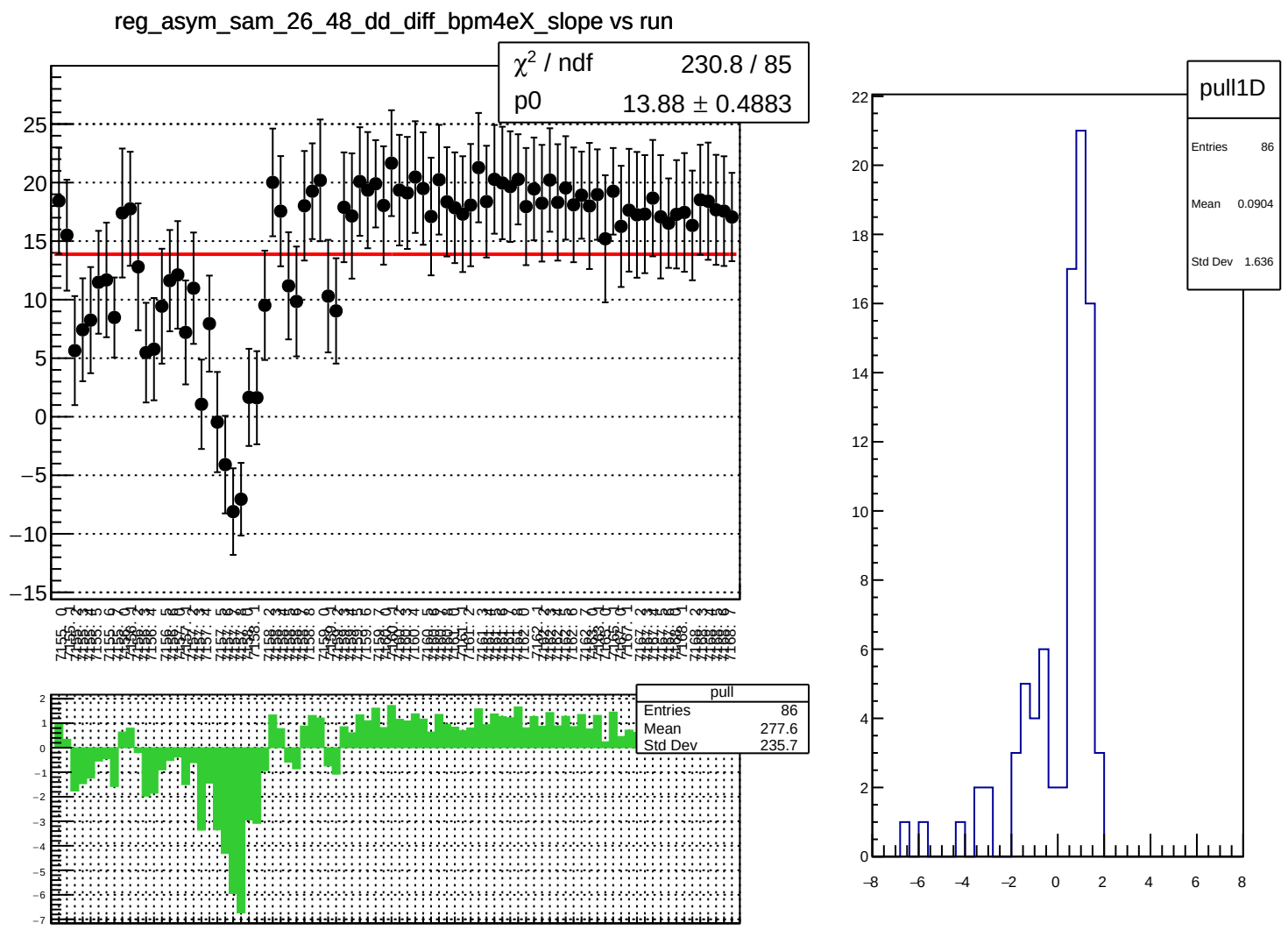

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.54 / 85
p0 −67.21 ± 0.8002
pull
Entries 86
Mean 149.4
Std Dev 108.6
pull1D
Entries 86
Mean −0.0988
Std Dev 0.9747

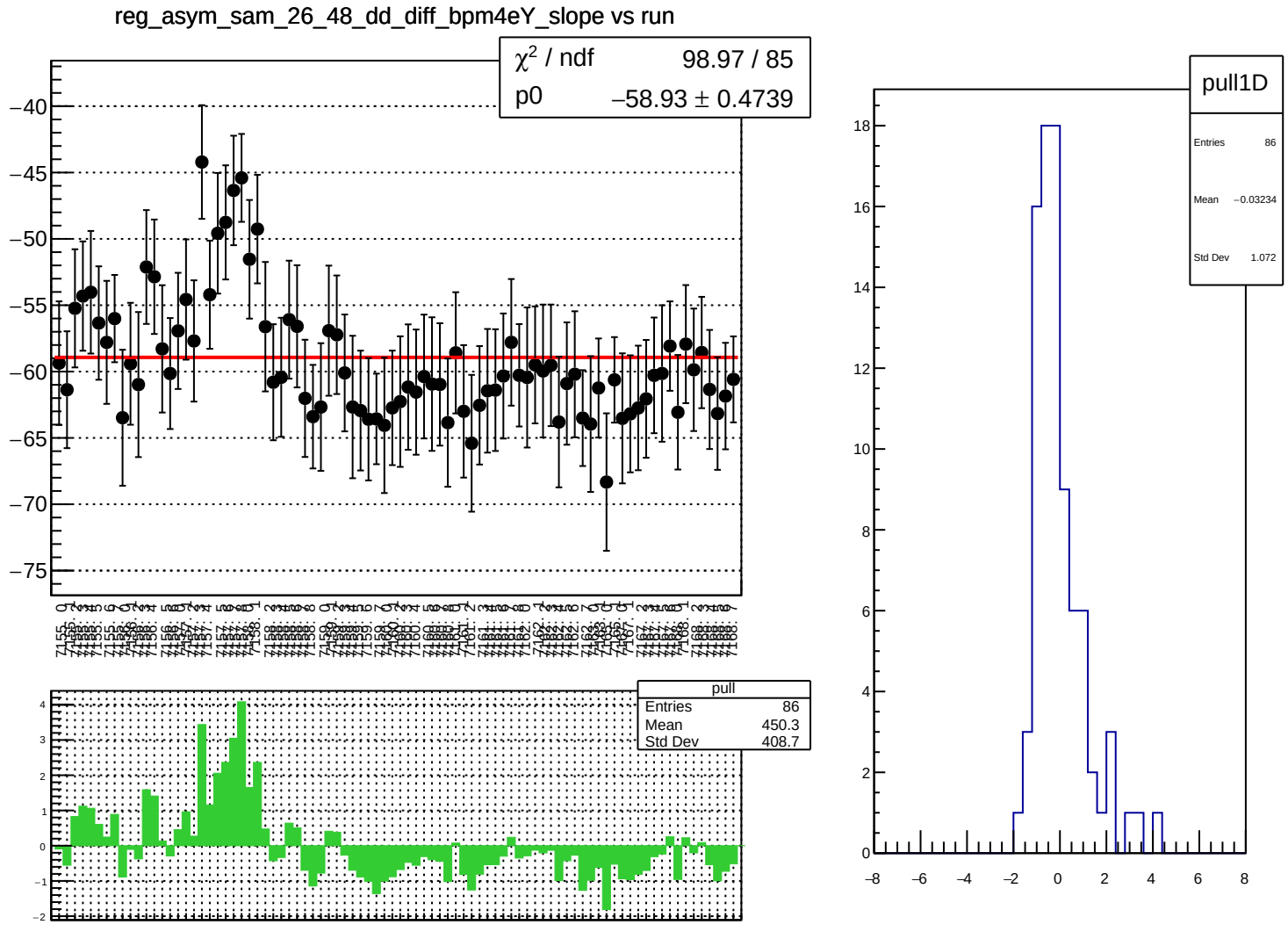

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.6 / 85
p0 −21.44 ± 0.7791
pull
Entries 86
Mean 213.7
Std Dev 171.3
pull1D
Entries 86
Mean 0.05335
Std Dev 0.6765

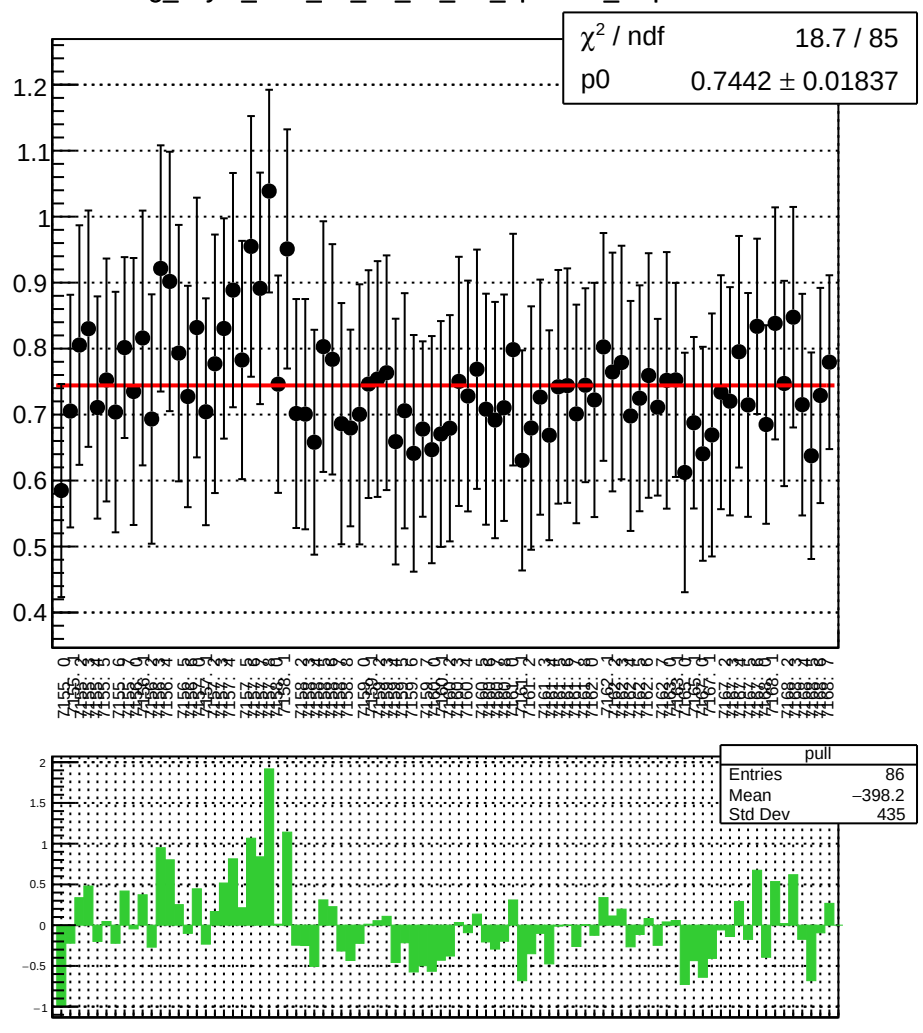

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 10.65 / 85
p0 0.3644 ± 0.03046
pull
Entries 86
Mean 931.9
Std Dev 890.5
pull1D
Entries 86
Mean 0.005426
Std Dev 0.3519

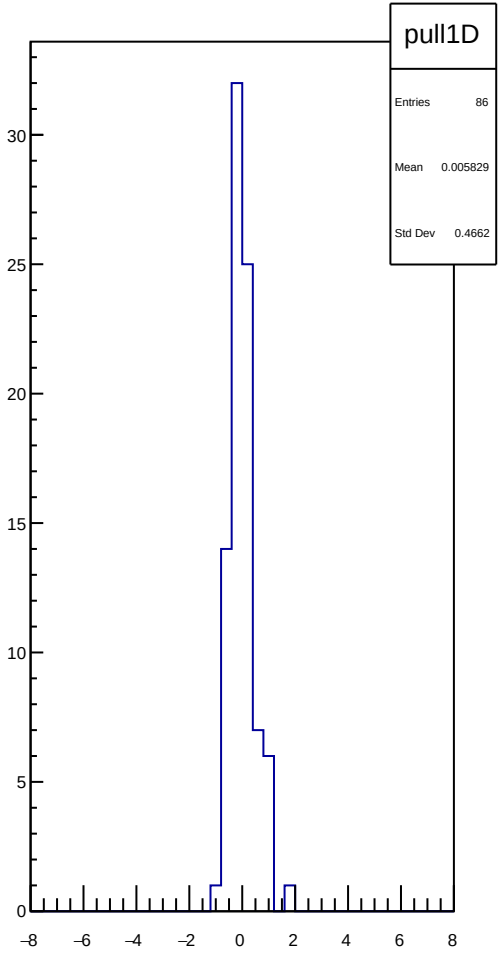

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 262.3 / 85
p0 11.98 ± 0.4823
pull
Entries 86
Mean 273.2
Std Dev 230.7
pull1D
Entries 86
Mean −0.102
Std Dev 1.744

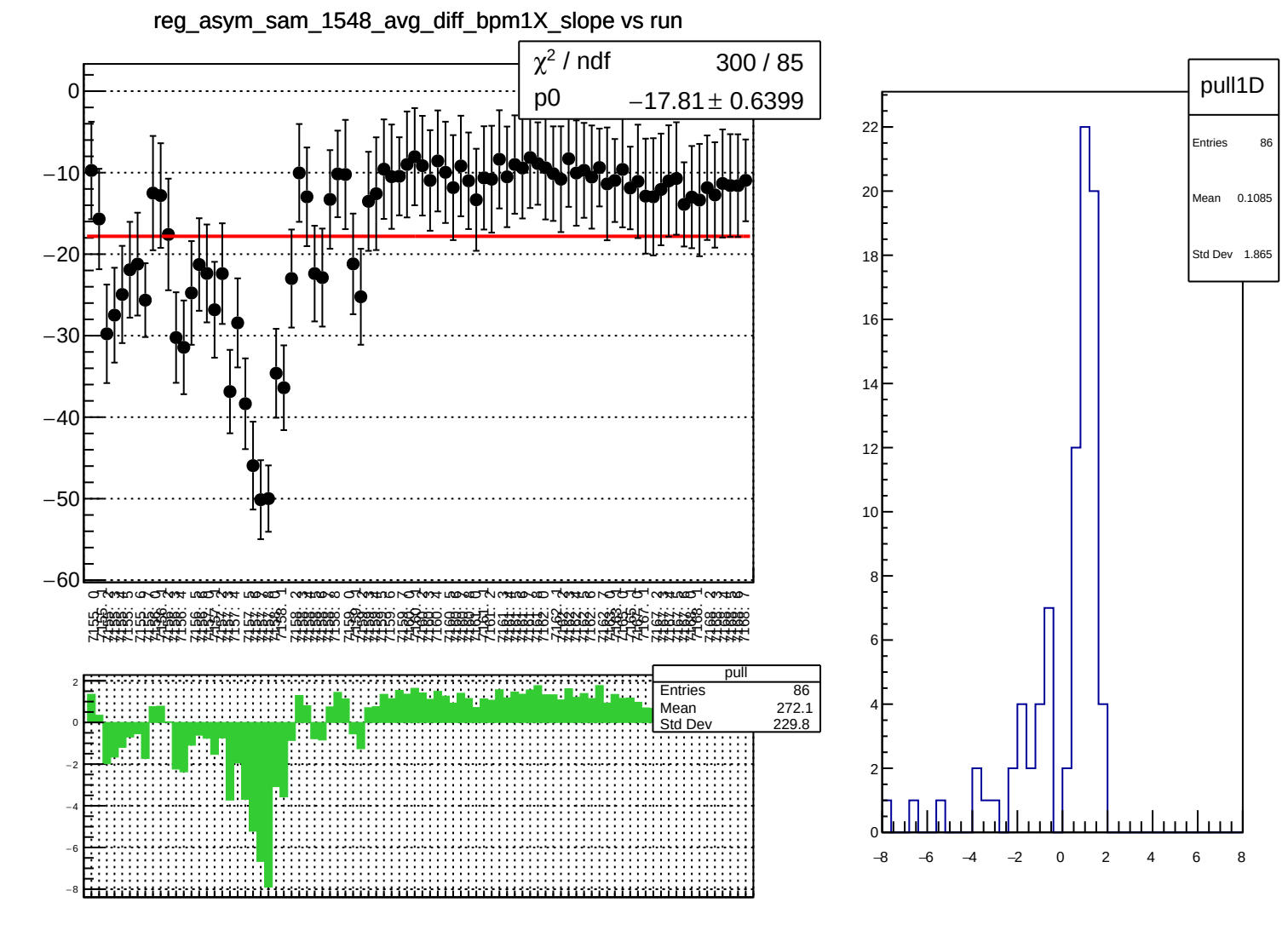

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 108.7 / 85
p0 1.54 ± 0.4077
pull
Entries 86
Mean 3.386e+04
Std Dev 3.382e+04
pull1D
Entries 86
Mean 0.0004601
Std Dev 1.124

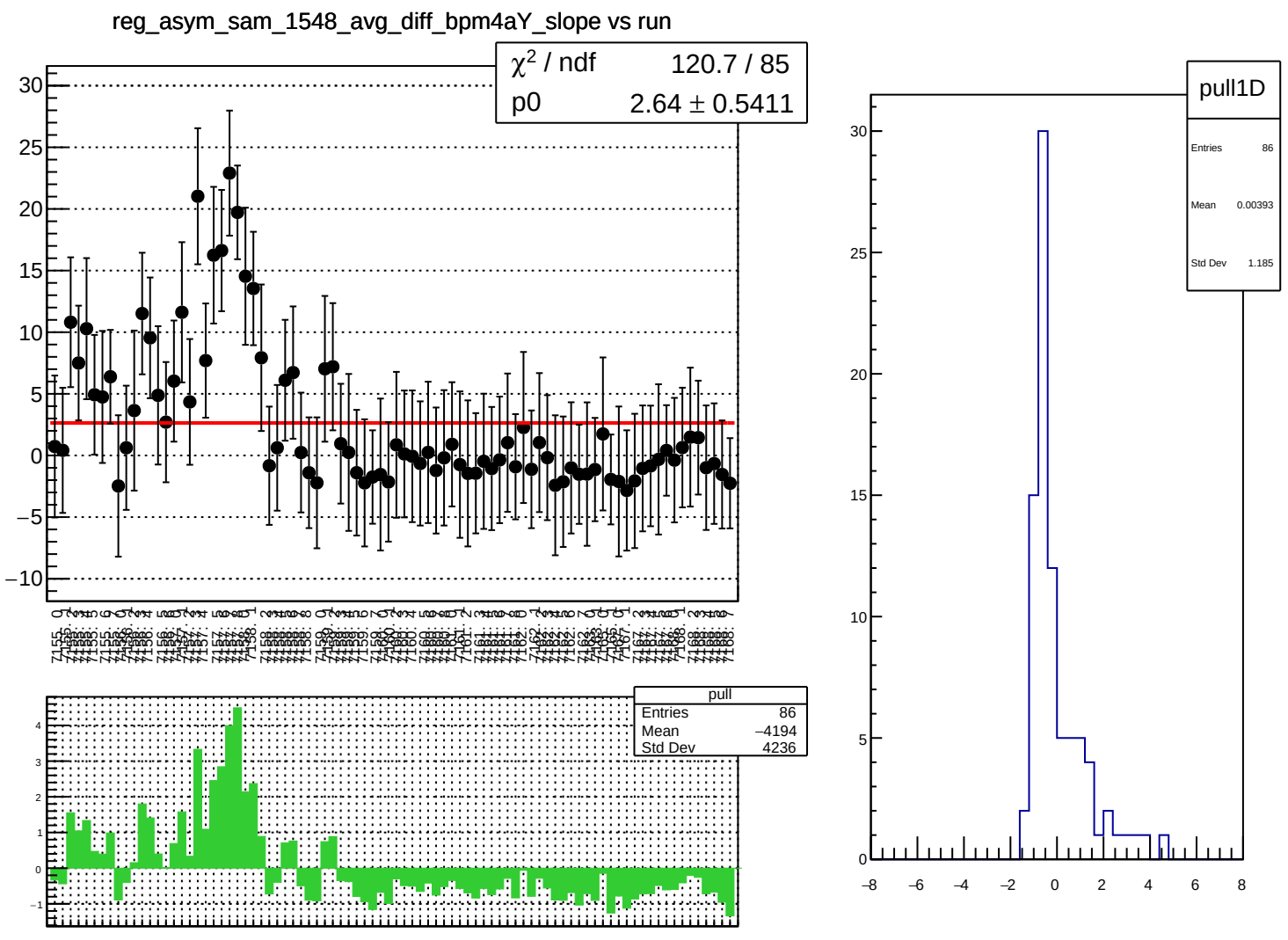

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 230.8 / 85
p0 13.88 ± 0.4883
pull
Entries 86
Mean 277.6
Std Dev 235.7
pull1D
Entries 86
Mean 0.0904
Std Dev 1.636

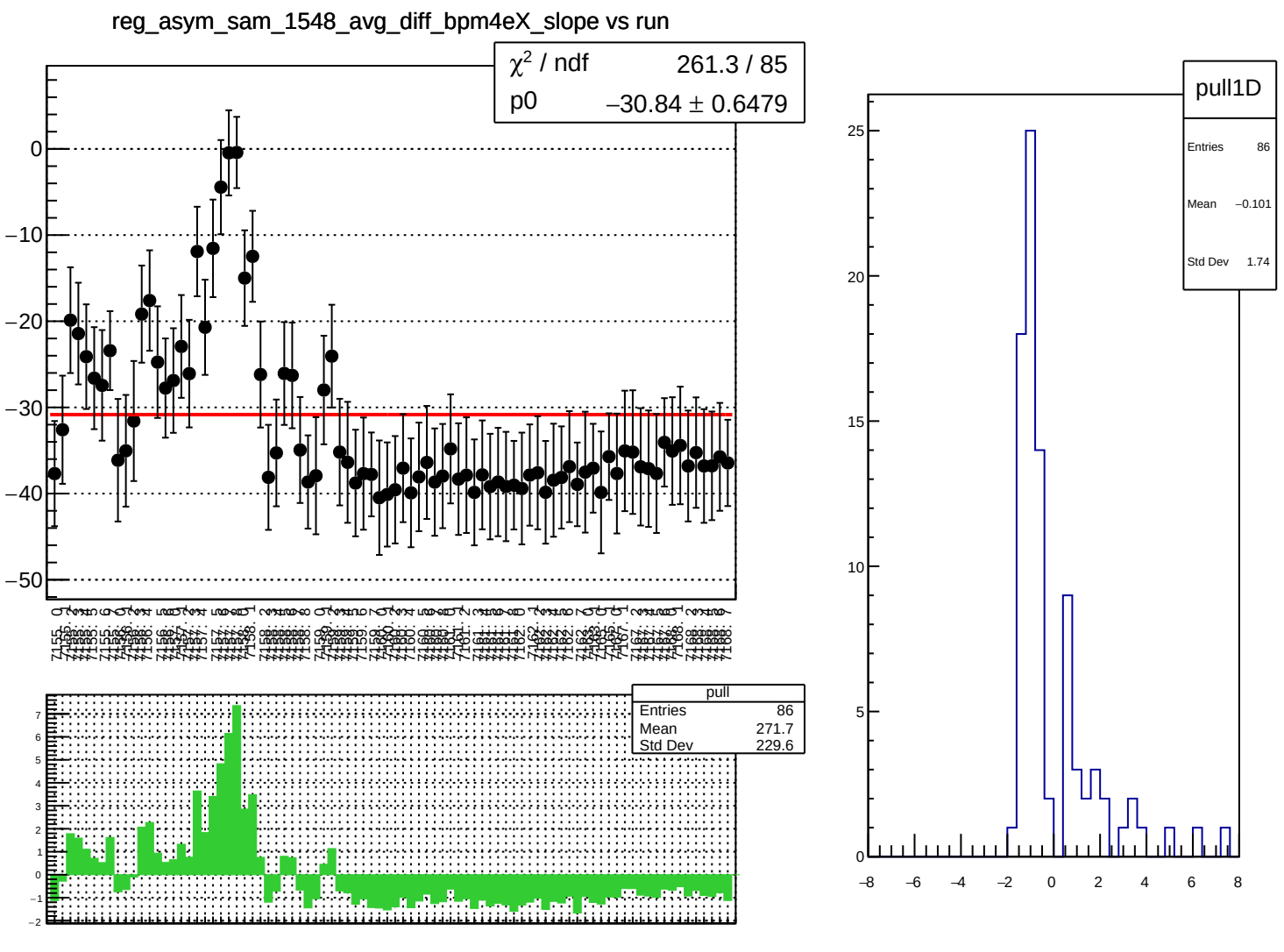

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 98.97 / 85
p0 −58.93 ± 0.4739
pull
Entries 86
Mean 450.3
Std Dev 408.7
pull1D
Entries 86
Mean −0.03234
Std Dev 1.072

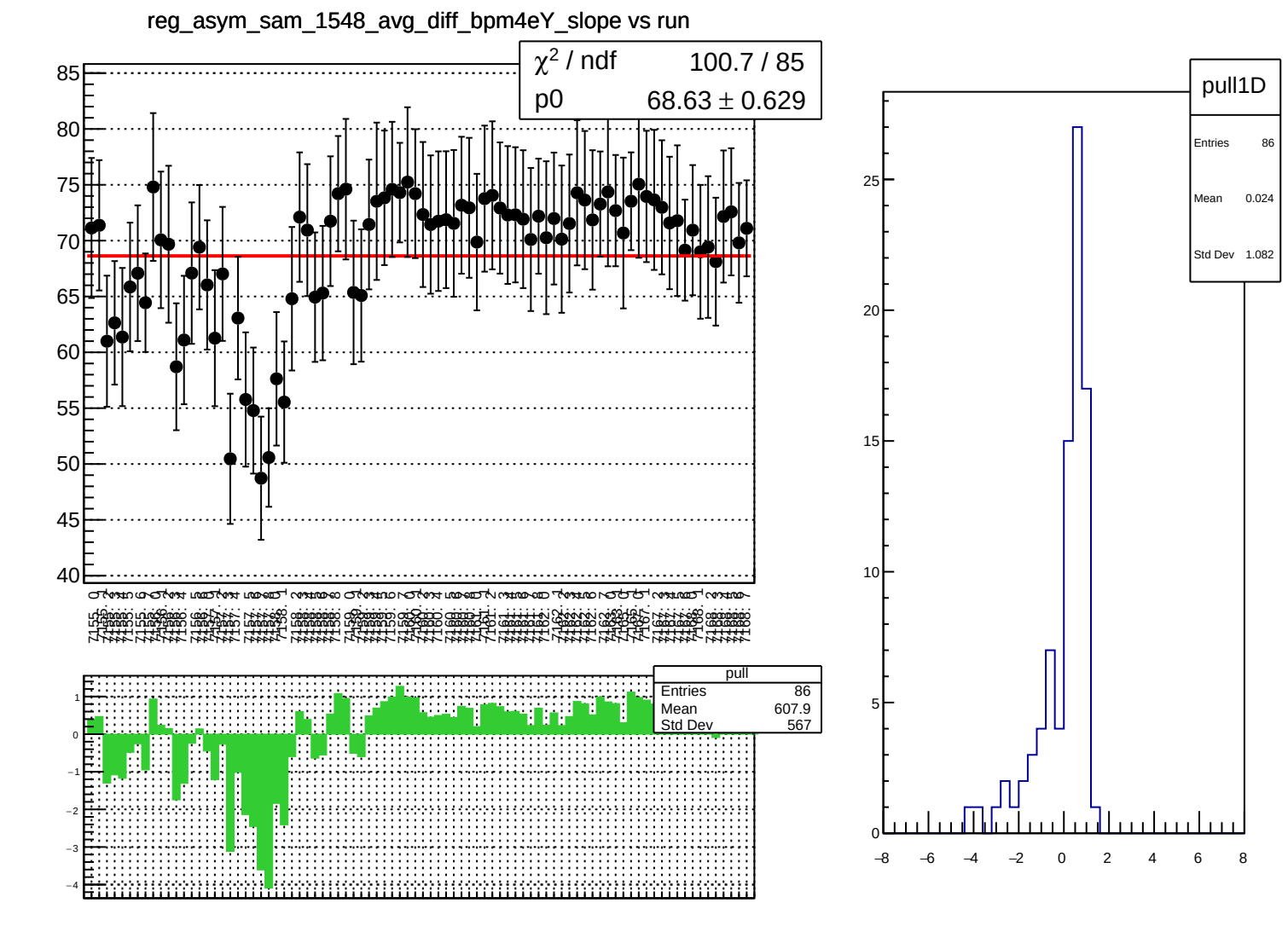

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.7 / 85
p0 0.7442 ± 0.01837
pull
Entries 86
Mean −398.2
Std Dev 435

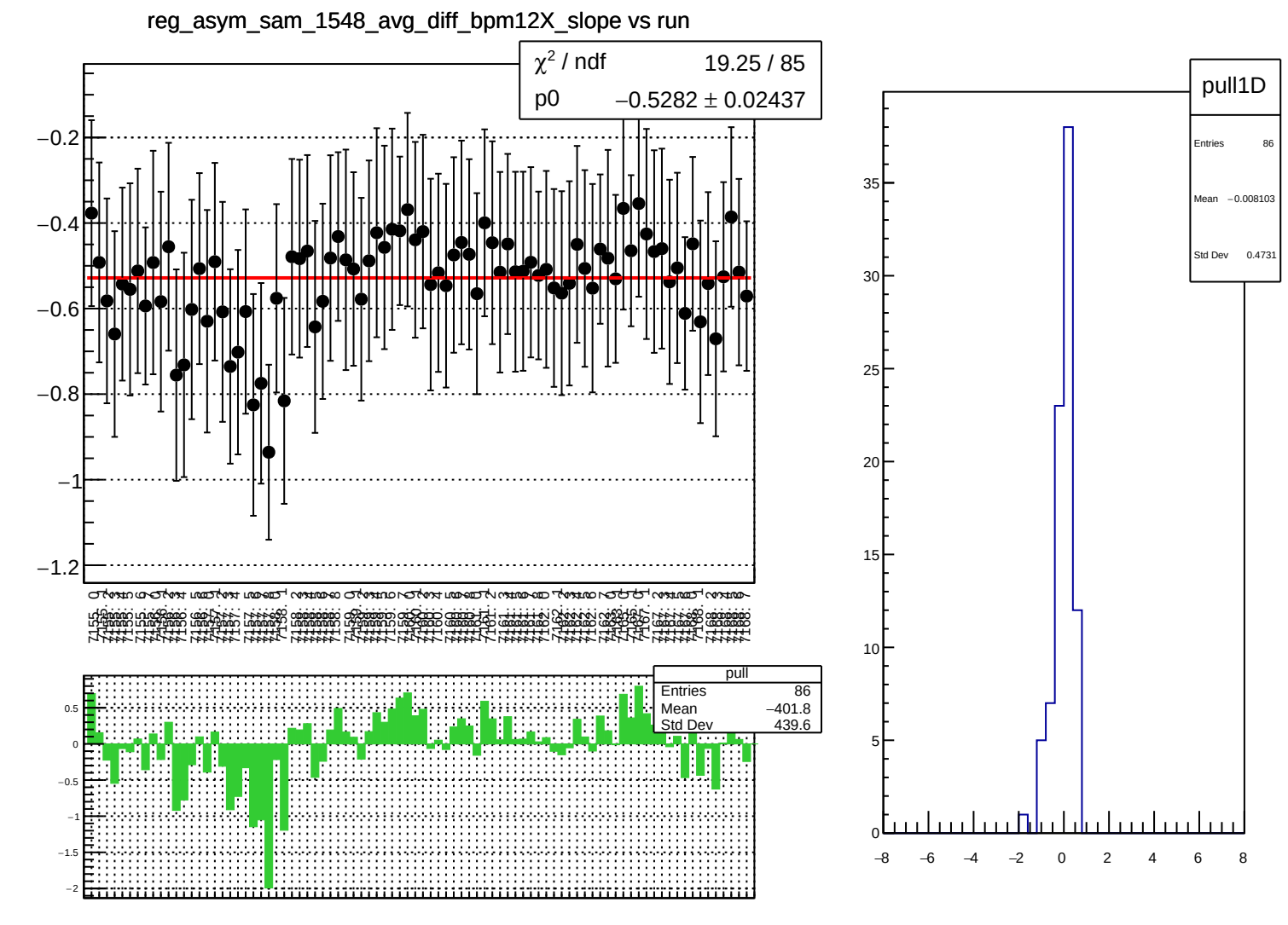

pull1D
Entries 86
Mean 0.005829
Std Dev 0.4662

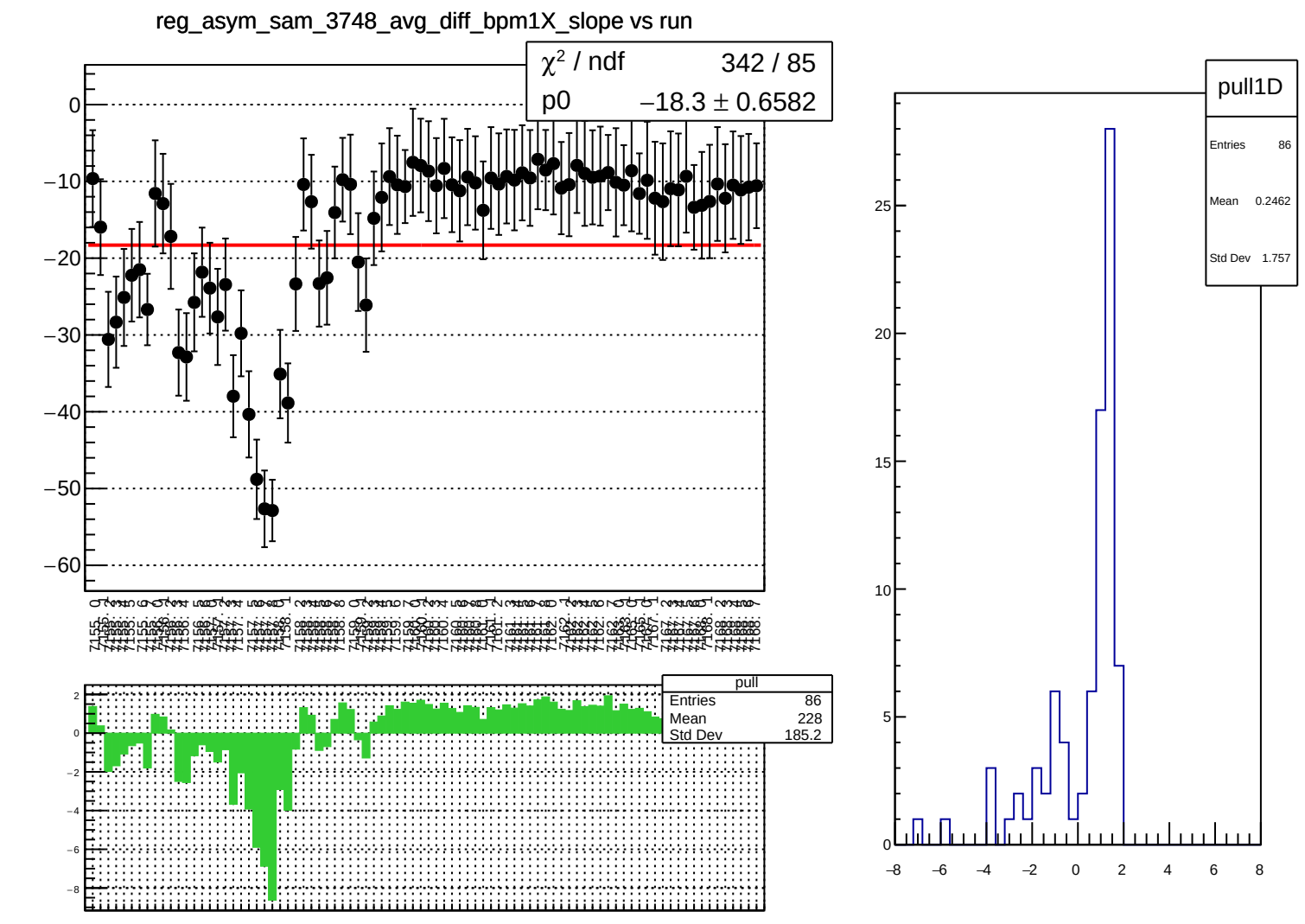

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 300 / 85
p0 −17.81 ± 0.6399
pull
Entries 86
Mean 272.1
Std Dev 229.8
pull1D
Entries 86
Mean 0.1085
Std Dev 1.865

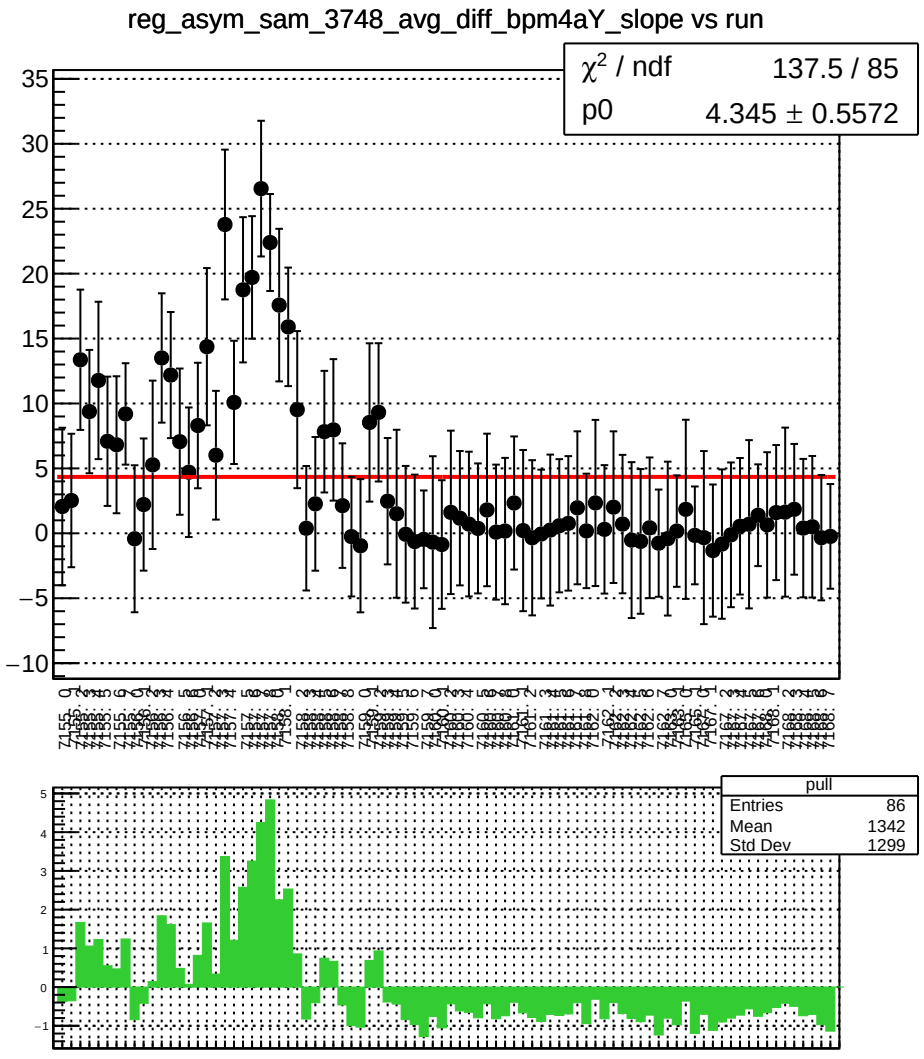

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 120.7 / 85
p0 2.64 ± 0.5411
pull
Entries 86
Mean −4194
Std Dev 4236
pull1D
Entries 86
Mean 0.00393
Std Dev 1.185

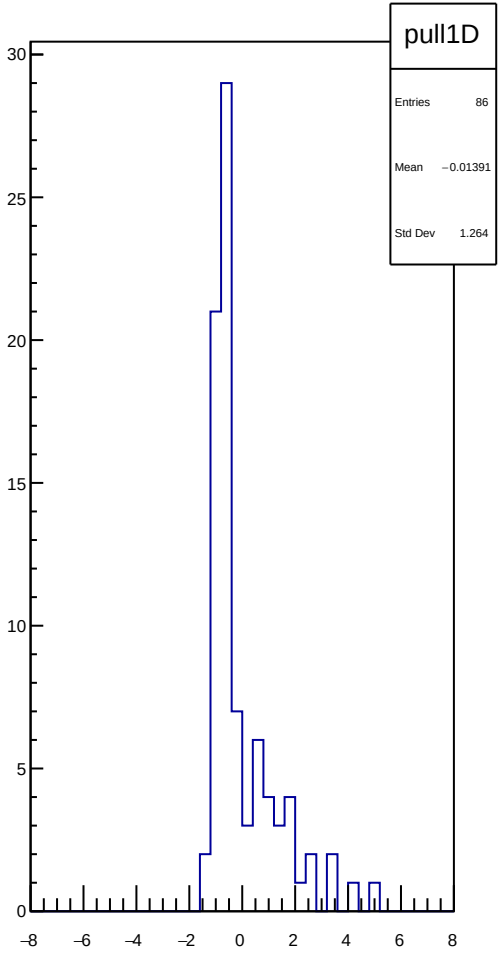

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 261.3 / 85
p0 −30.84 ± 0.6479
pull
Entries 86
Mean 271.7
Std Dev 229.6
pull1D
Entries 86
Mean −0.101
Std Dev 1.74

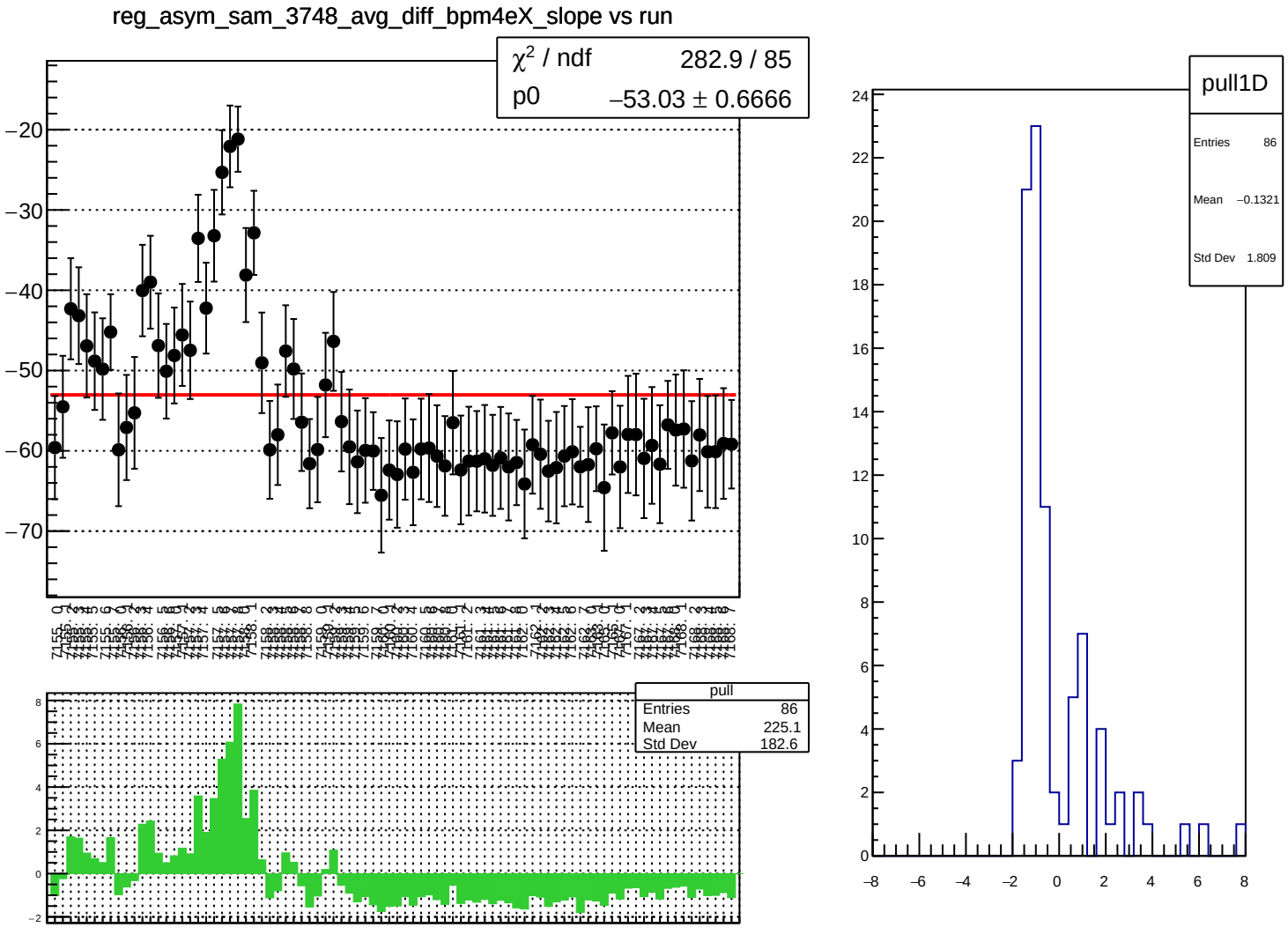

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 100.7 / 85
p0 68.63 ± 0.629
pull
Entries 86
Mean 607.9
Std Dev 567
pull1D
Entries 86
Mean 0.024
Std Dev 1.082

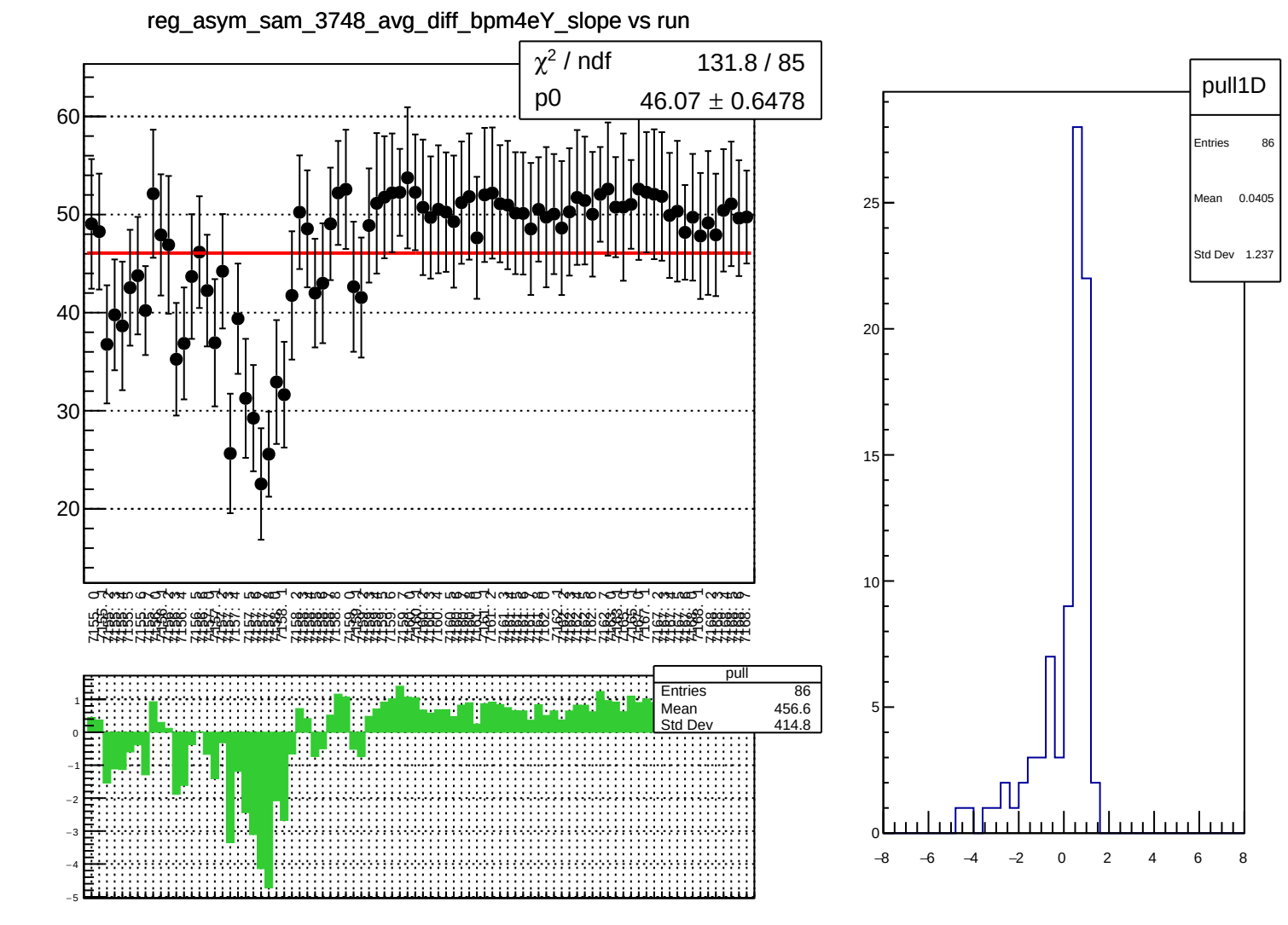

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 19.25 / 85
p0 −0.5282 ± 0.02437
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull
Entries 86
Mean −401.8
Std Dev 439.6
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.008103
Std Dev 0.4731
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

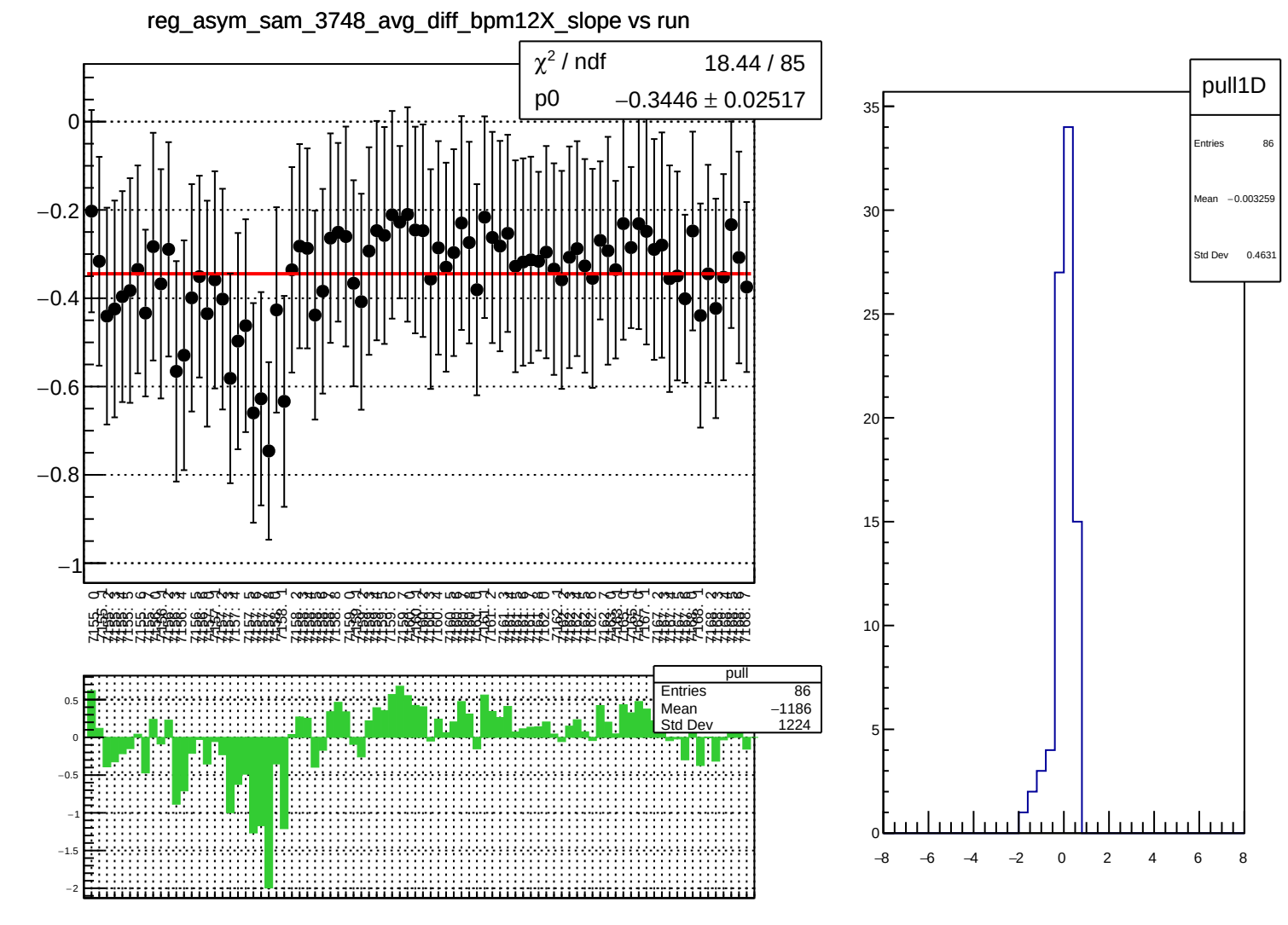

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 342 / 85
p0 −18.3 ± 0.6582
pull
Entries 86
Mean 228
Std Dev 185.2
pull1D
Entries 86
Mean 0.2462
Std Dev 1.757

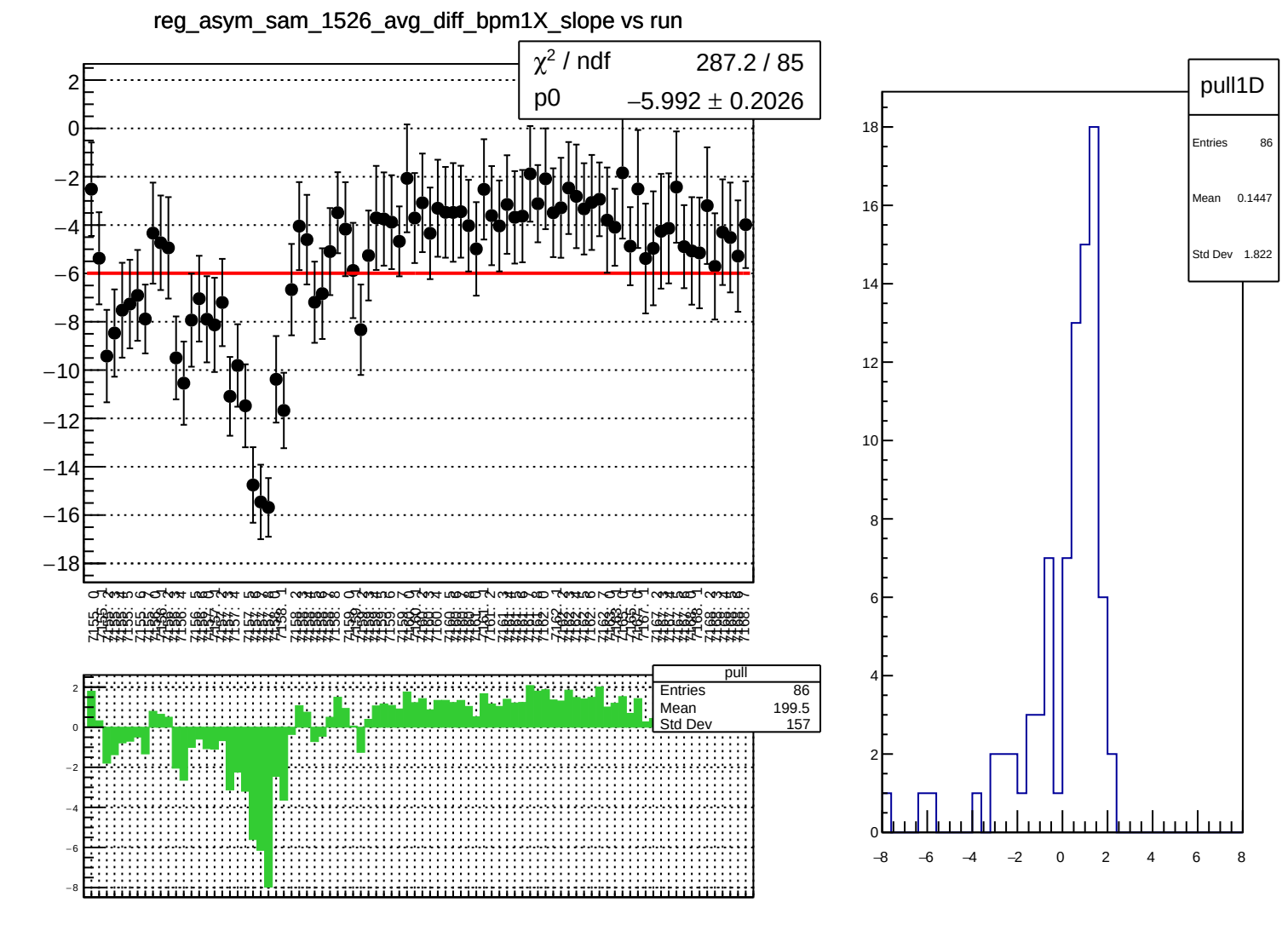

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 137.5 / 85
p0 4.345 ± 0.5572
pull
Entries 86
Mean 1342
Std Dev 1299

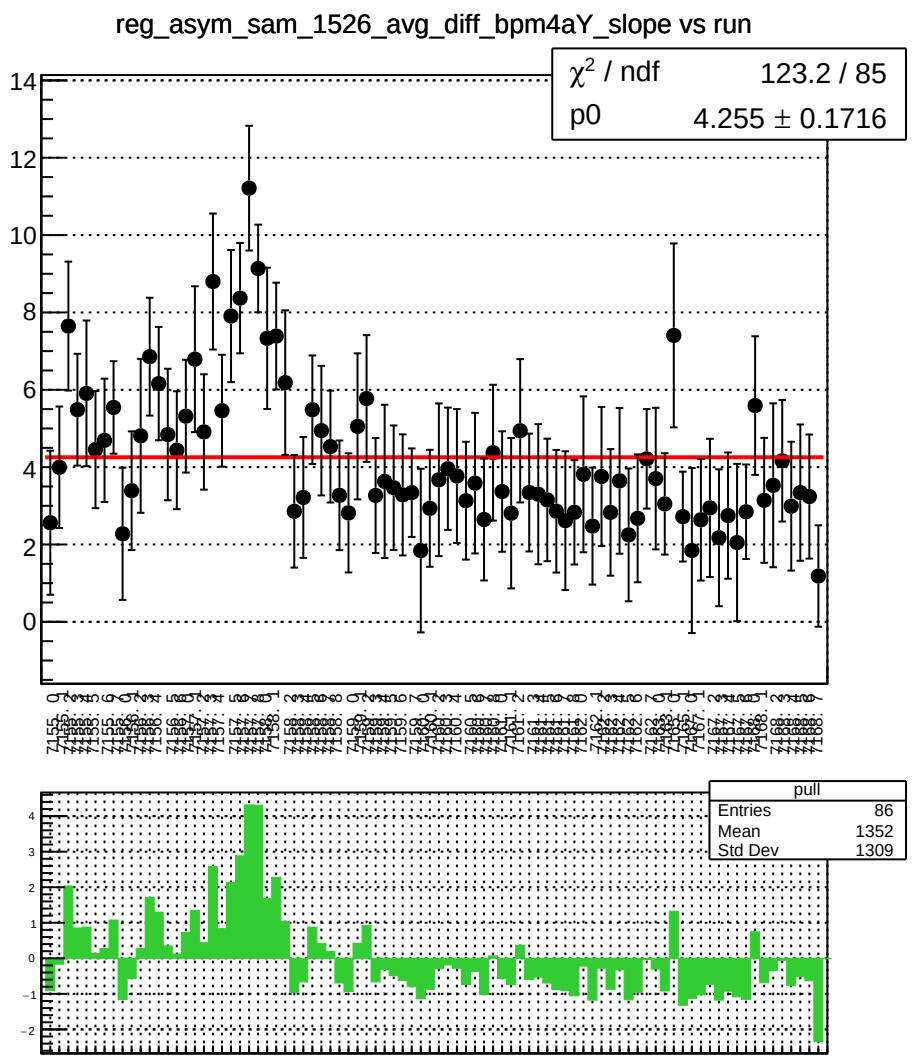

pull1D
Entries 86
Mean −0.01391
Std Dev 1.264

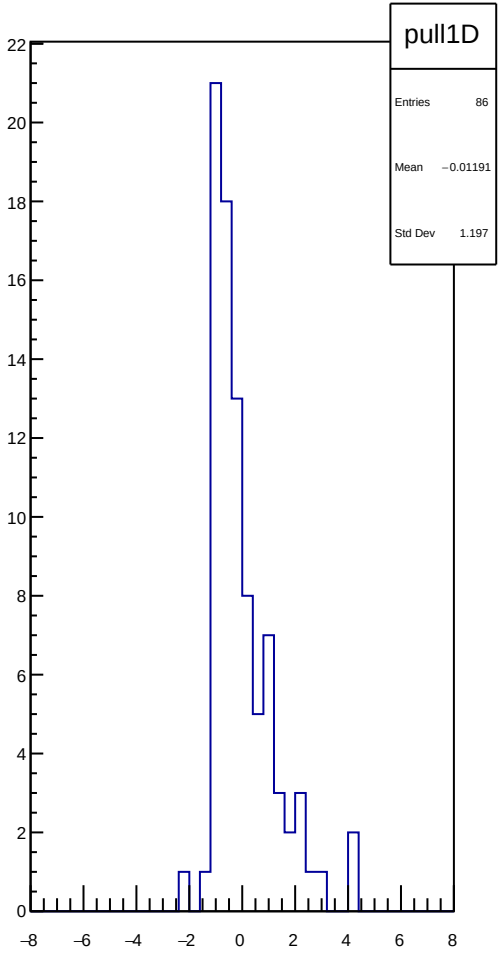

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 282.9 / 85
p0 −53.03 ± 0.6666
pull
Entries 86
Mean 225.1
Std Dev 182.6
pull1D
Entries 86
Mean −0.1321
Std Dev 1.809

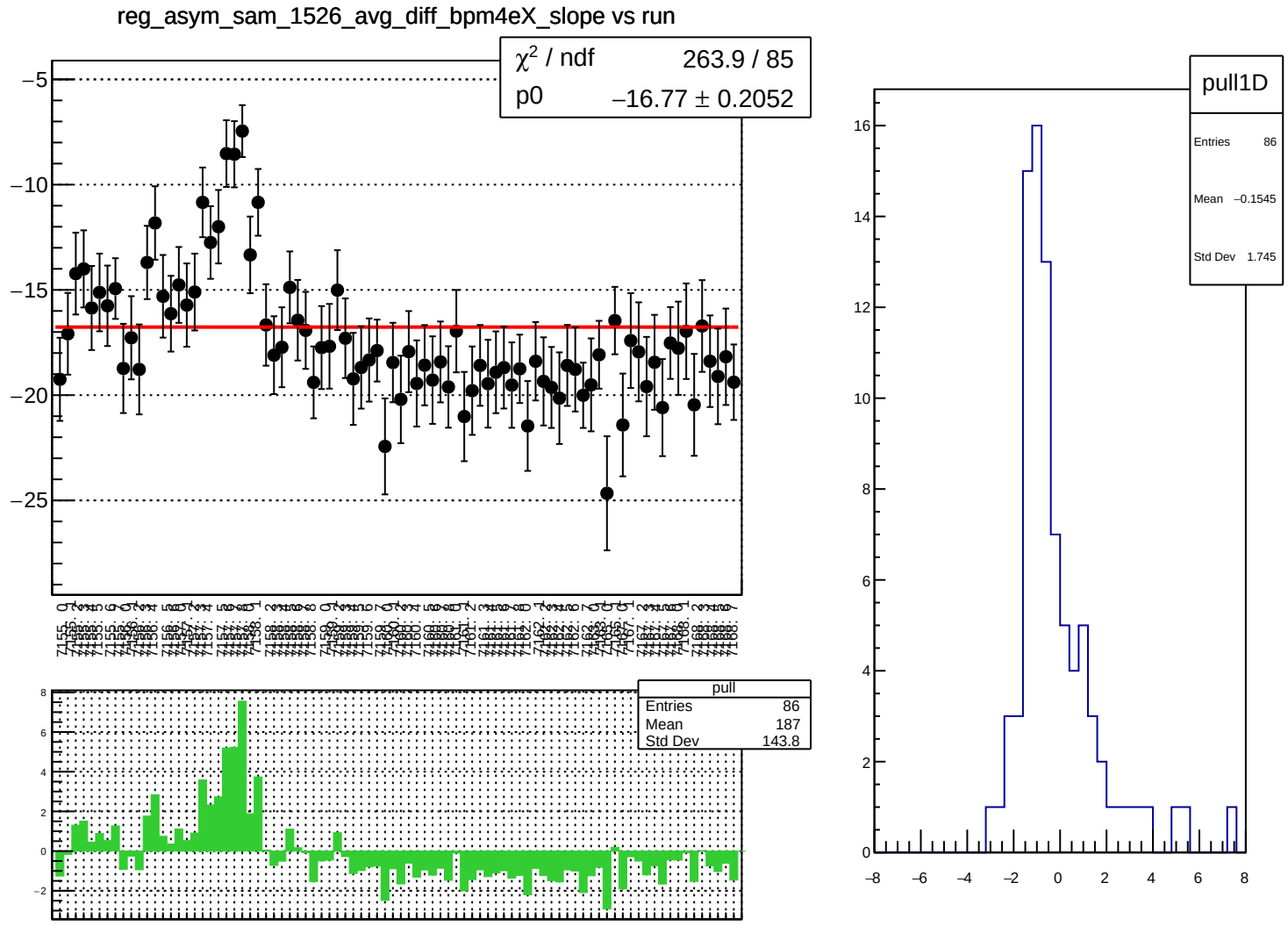

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 131.8 / 85
p0 46.07 ± 0.6478
pull
Entries 86
Mean 456.6
Std Dev 414.8
pull1D
Entries 86
Mean 0.0405
Std Dev 1.237

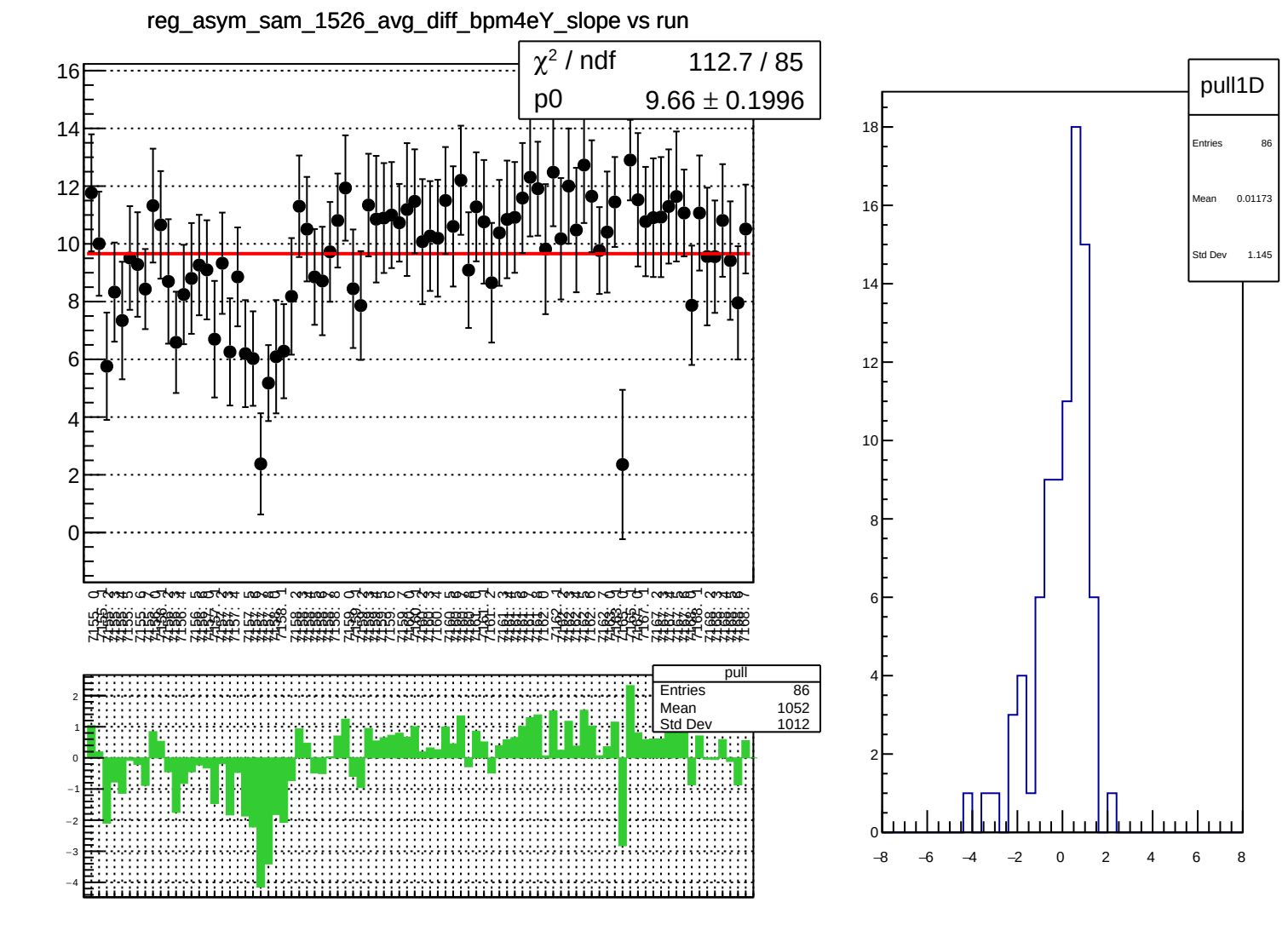

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 18.44 / 85
p0 −0.3446 ± 0.02517
pull
Entries 86
Mean −1186
Std Dev 1224
pull1D
Entries 86
Mean −0.003259
Std Dev 0.4631

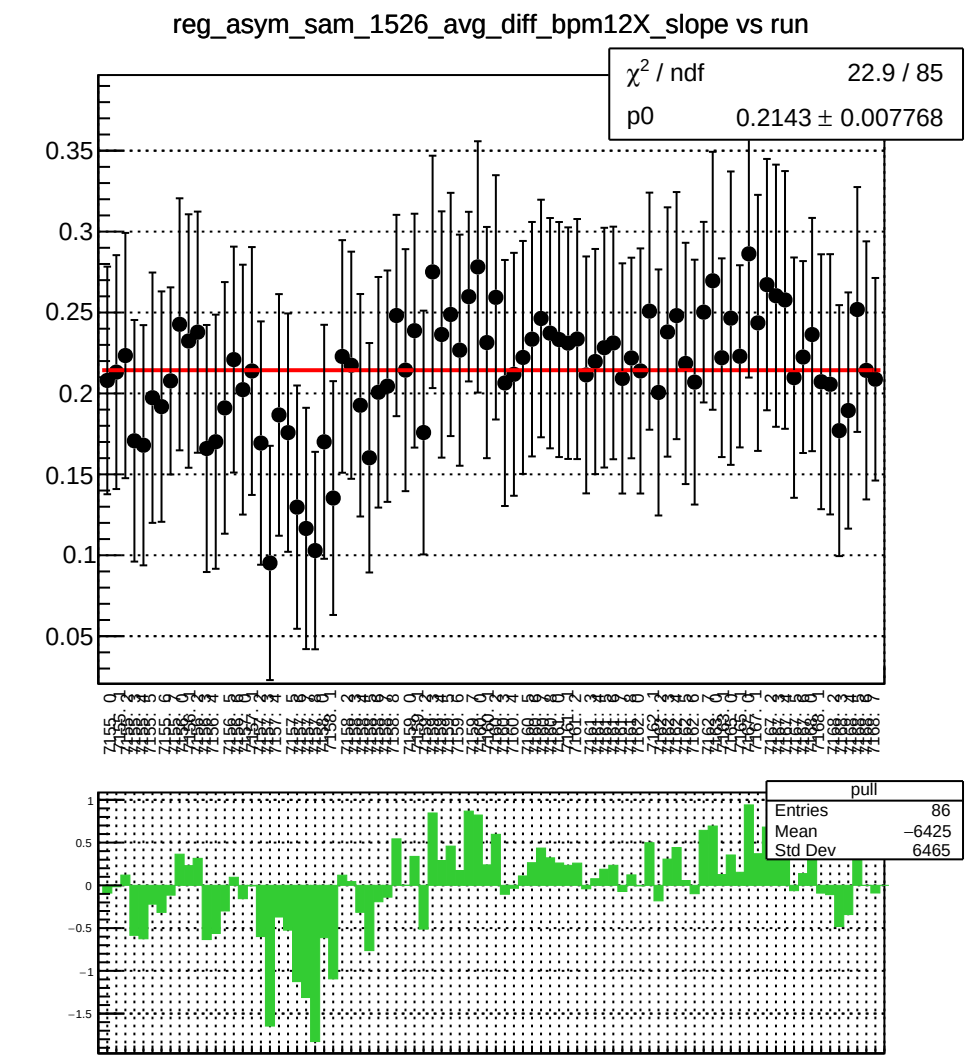

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 287.2 / 85
p0 −5.992 ± 0.2026
pull
Entries 86
Mean 199.5
Std Dev 157
pull1D
Entries 86
Mean 0.1447
Std Dev 1.822

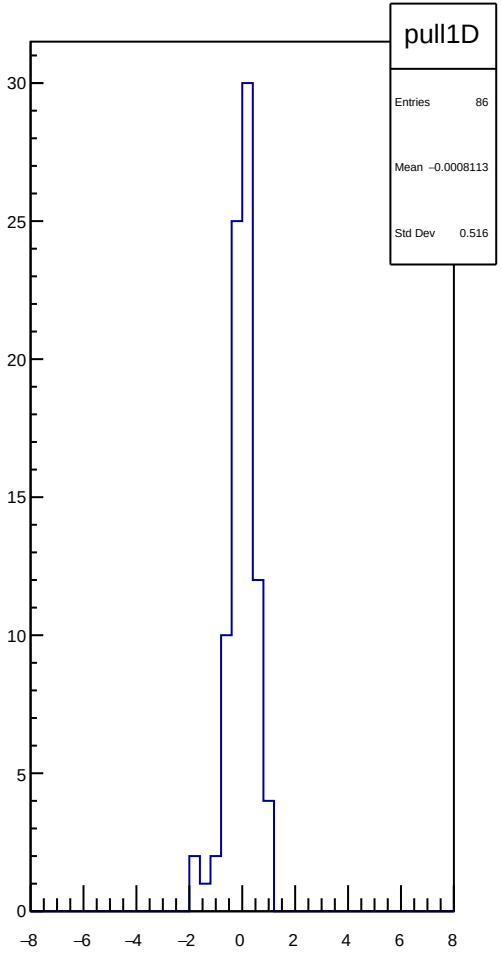

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 123.2 / 85
p0 4.255 ± 0.1716
pull
Entries 86
Mean 1352
Std Dev 1309

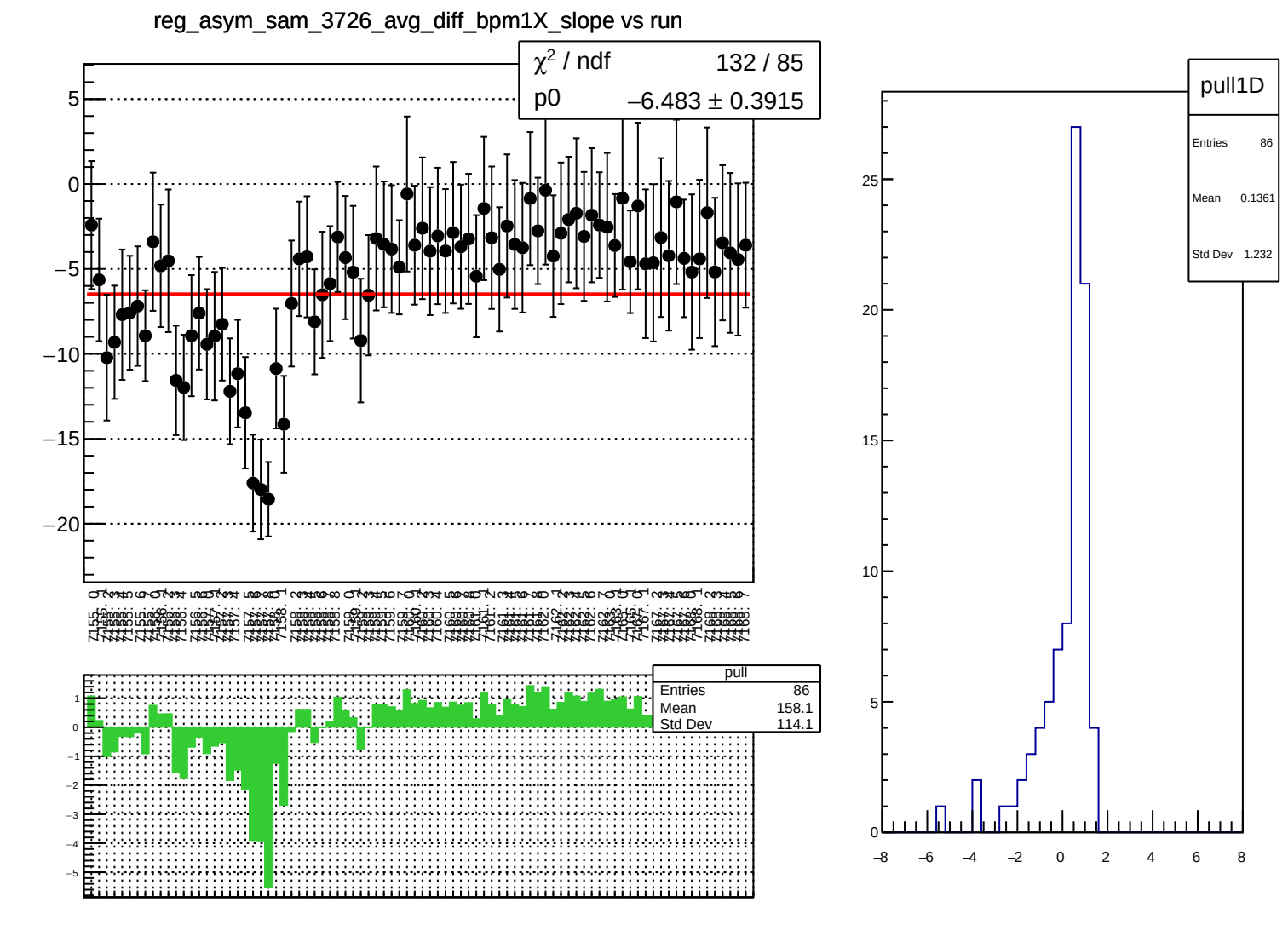

pull1D
Entries 86
Mean −0.01191
Std Dev 1.197

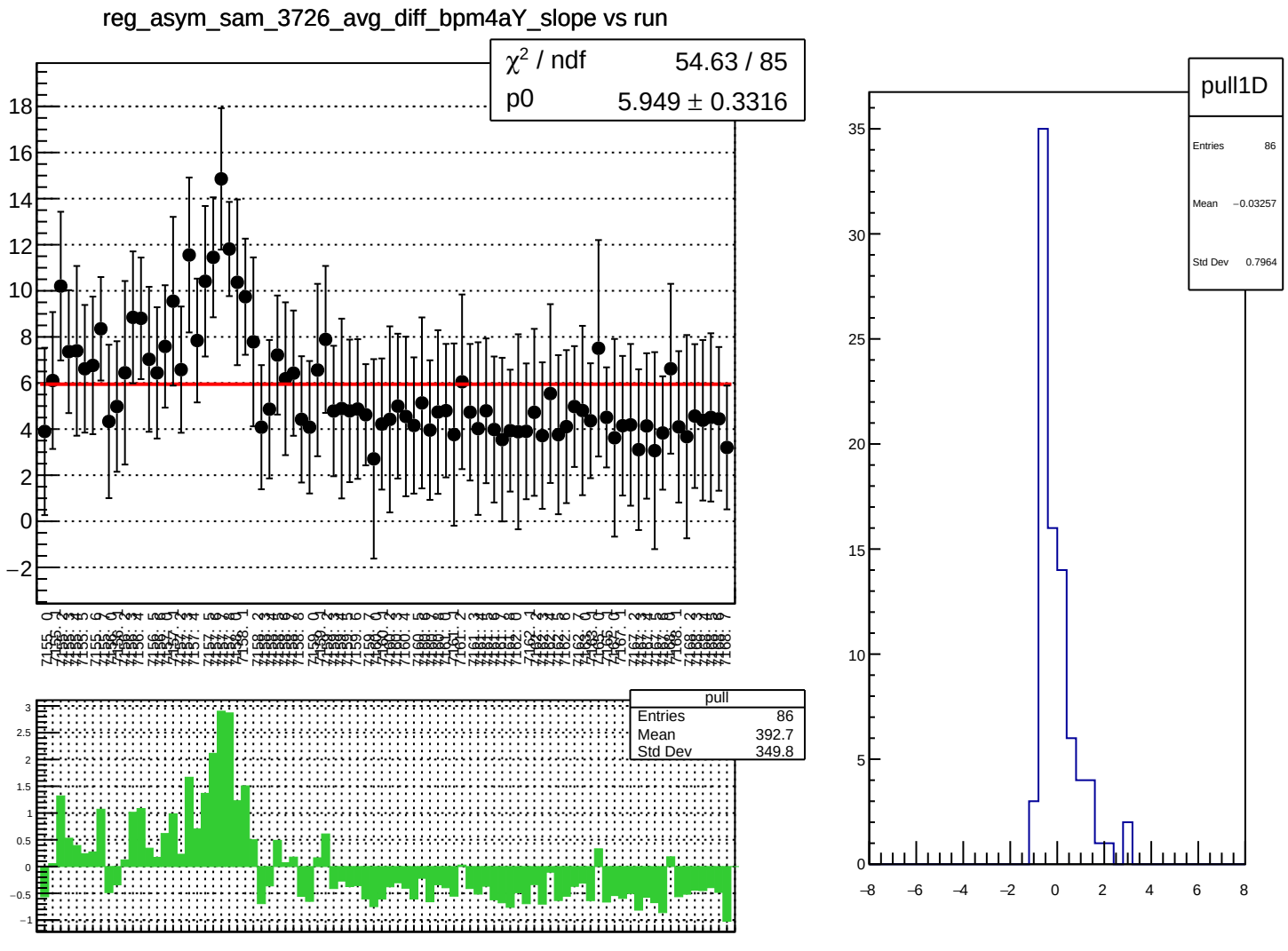

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 263.9 / 85
p0 −16.77 ± 0.2052
pull
Entries 86
Mean 187
Std Dev 143.8
pull1D
Entries 86
Mean −0.1545
Std Dev 1.745

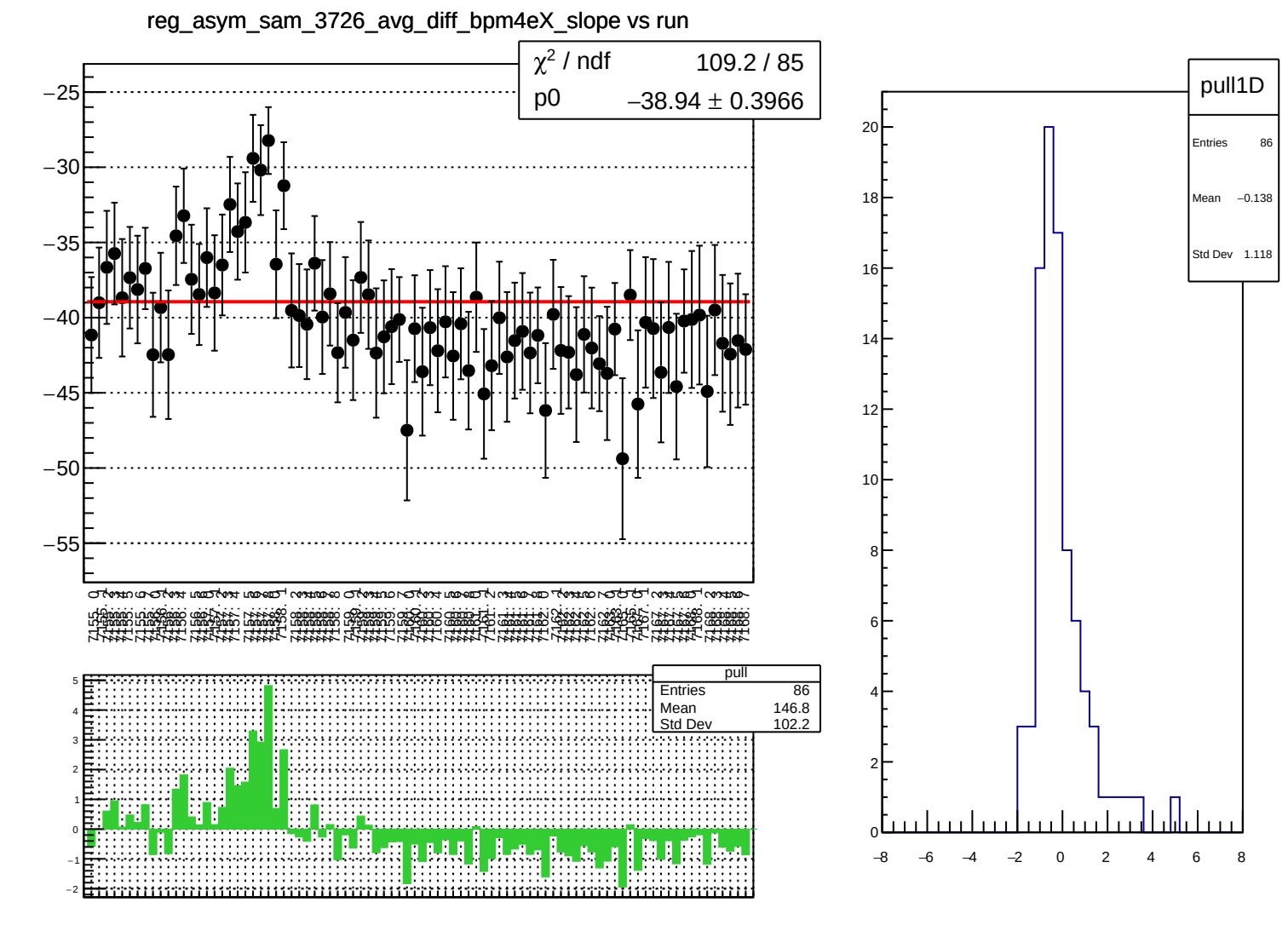

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 112.7 / 85
p0 9.66 ± 0.1996
pull
Entries 86
Mean 1052
Std Dev 1012
pull1D
Entries 86
Mean 0.01173
Std Dev 1.145

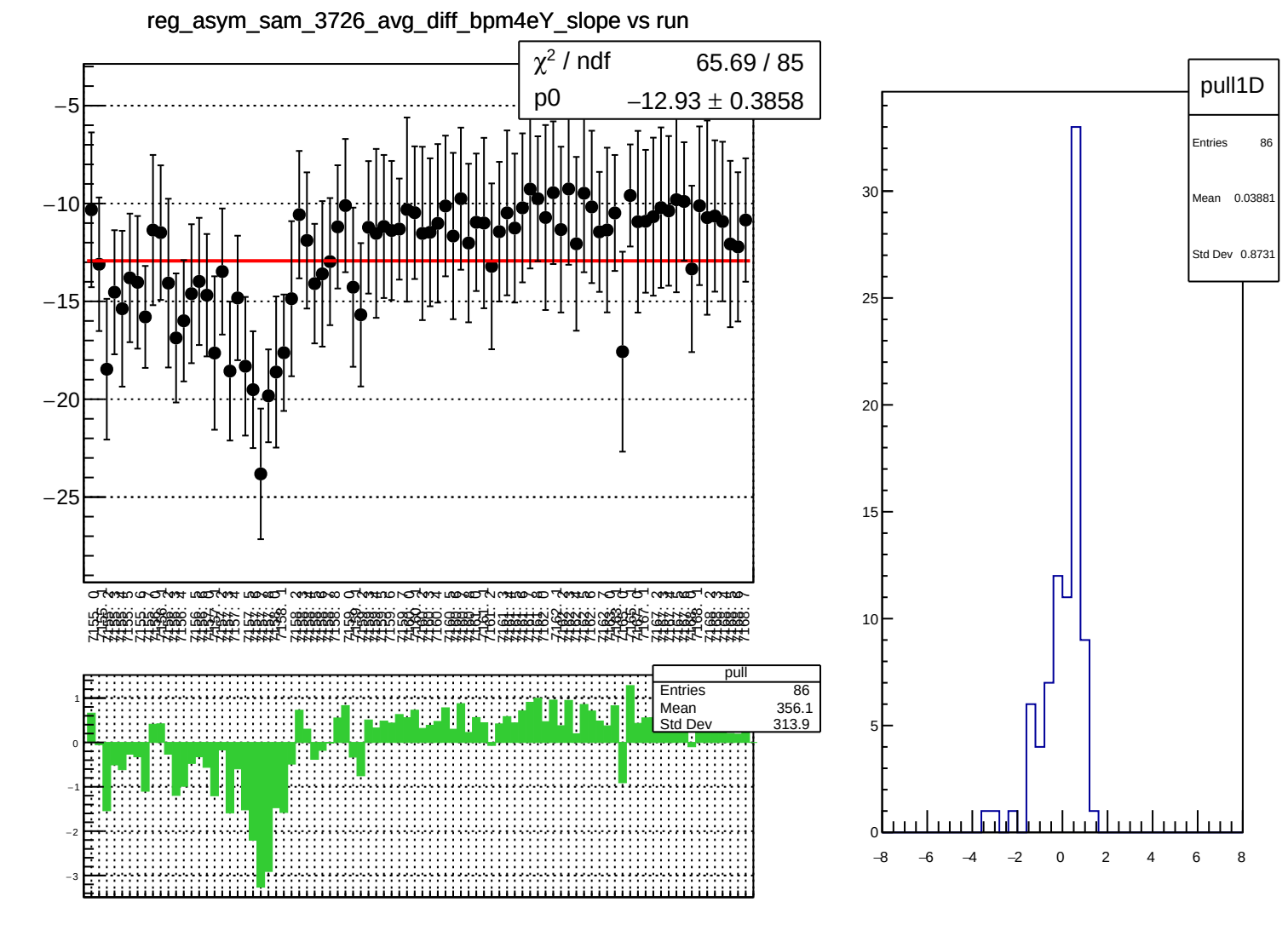

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 22.9 / 85
p0 0.2143 ± 0.007768
pull
Entries 86
Mean −6425
Std Dev 6465

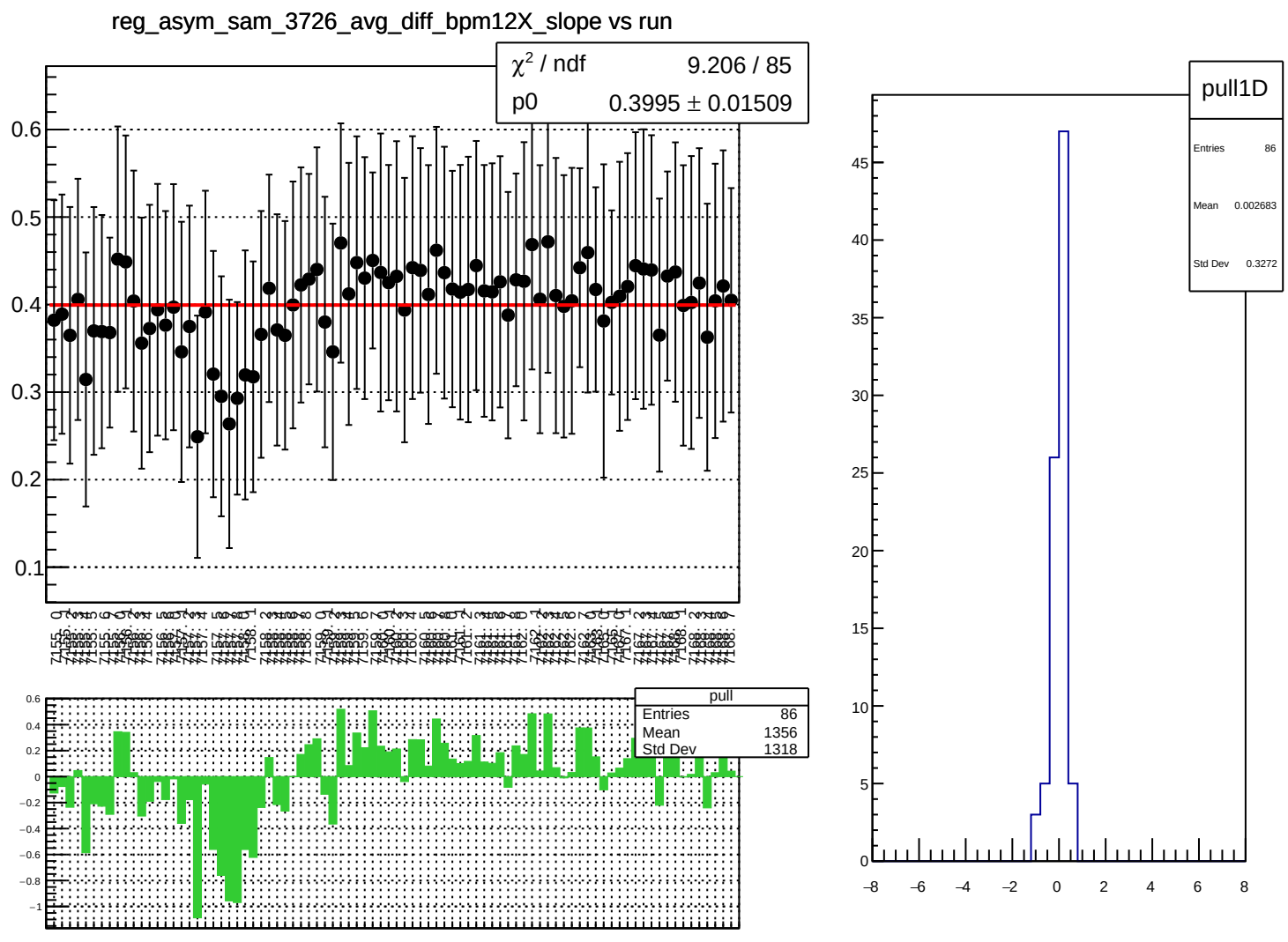

pull1D
Entries 86
Mean −0.0008113
Std Dev 0.516

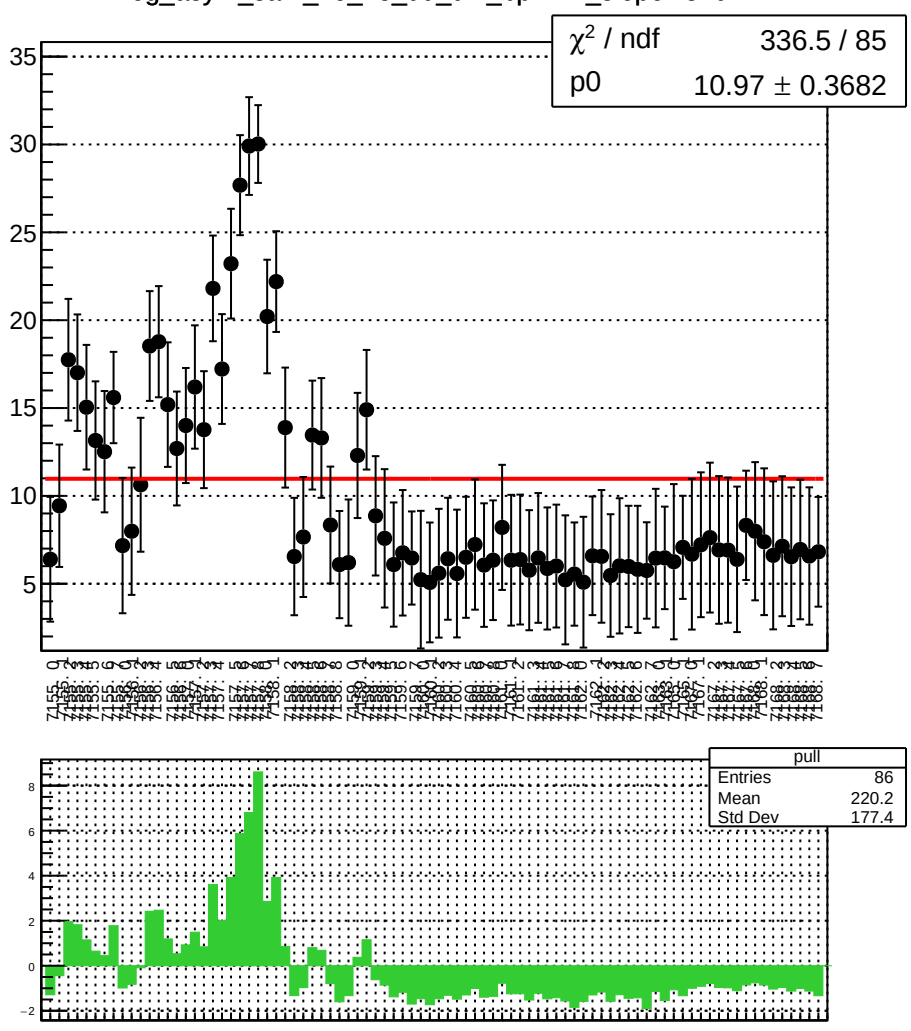

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 132 / 85
p0 −6.483 ± 0.3915
pull
Entries 86
Mean 158.1
Std Dev 114.1
pull1D
Entries 86
Mean 0.1361
Std Dev 1.232

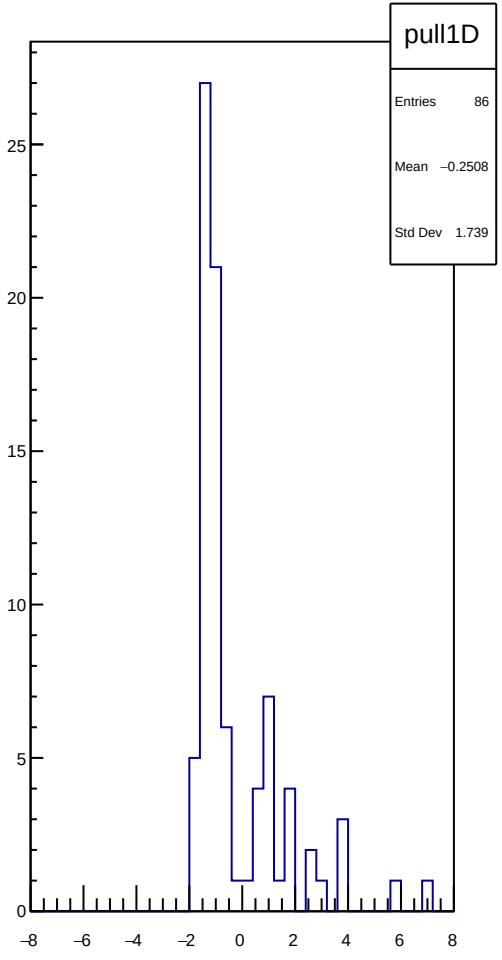

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.63 / 85
p0 5.949 ± 0.3316
pull
Entries 86
Mean 392.7
Std Dev 349.8
pull1D
Entries 86
Mean −0.03257
Std Dev 0.7964

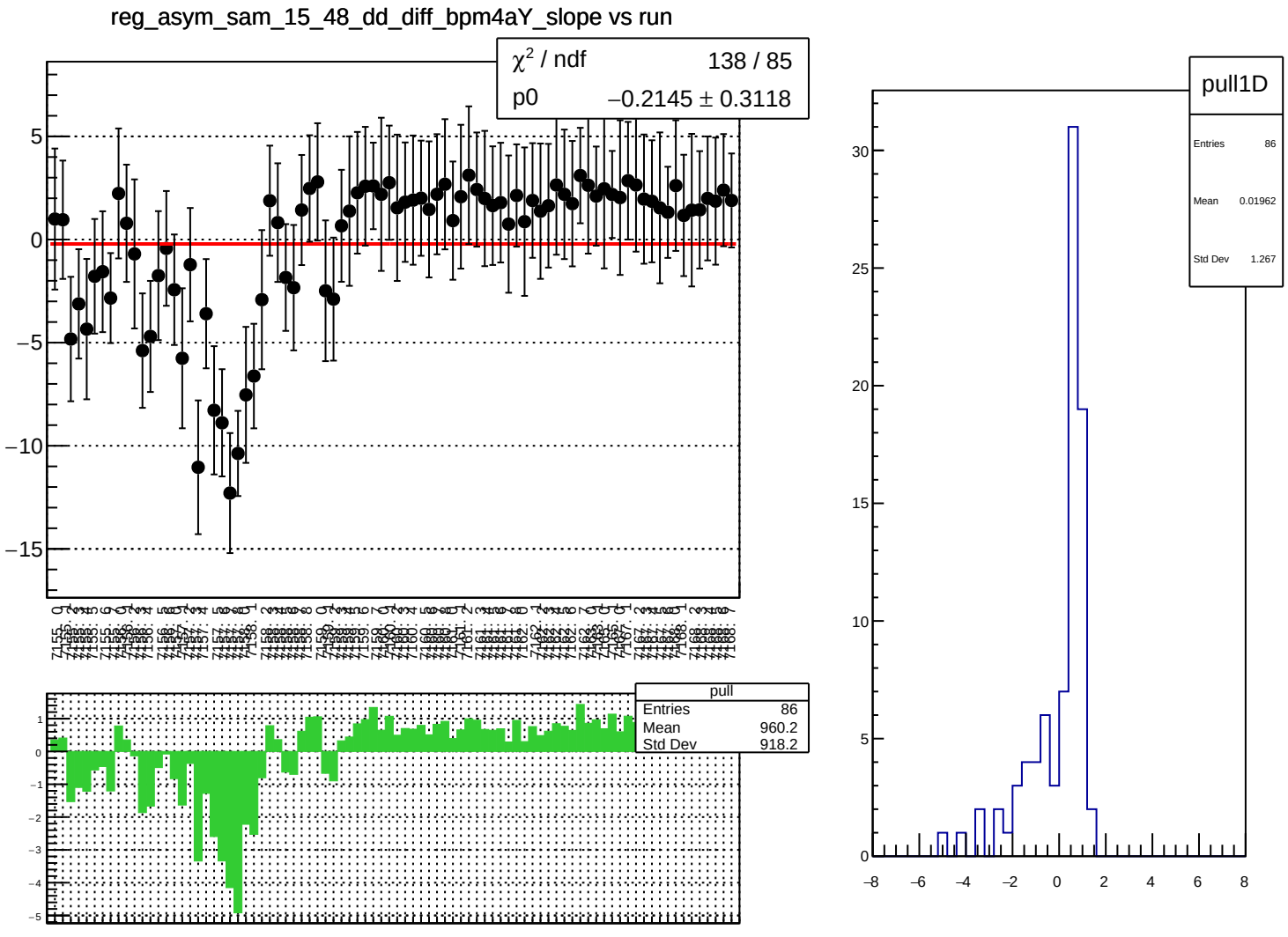

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 109.2 / 85
p0 −38.94 ± 0.3966
pull
Entries 86
Mean 146.8
Std Dev 102.2
pull1D
Entries 86
Mean −0.138
Std Dev 1.118

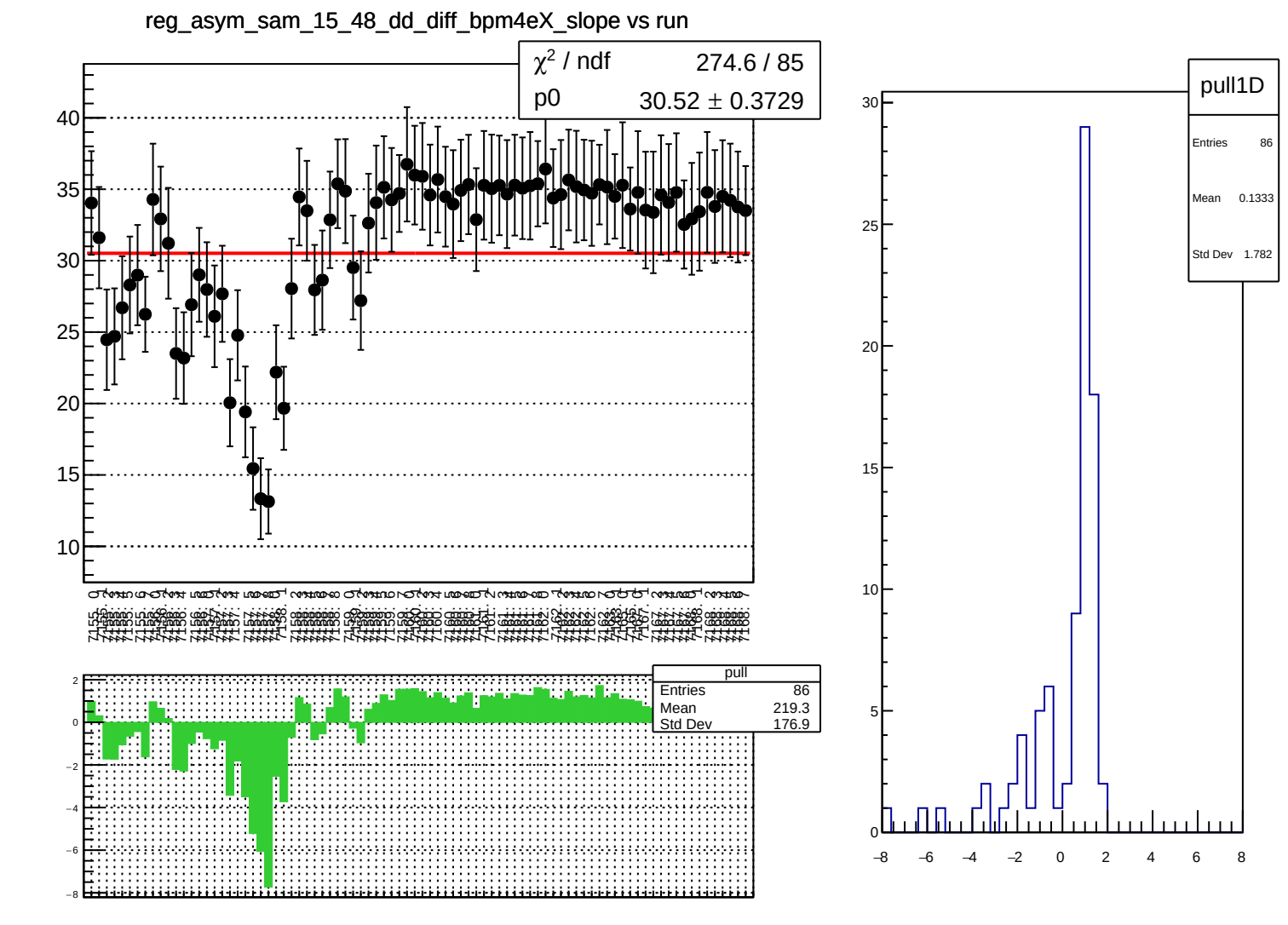

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.69 / 85
p0 −12.93 ± 0.3858
pull
Entries 86
Mean 356.1
Std Dev 313.9
pull1D
Entries 86
Mean 0.03881
Std Dev 0.8731

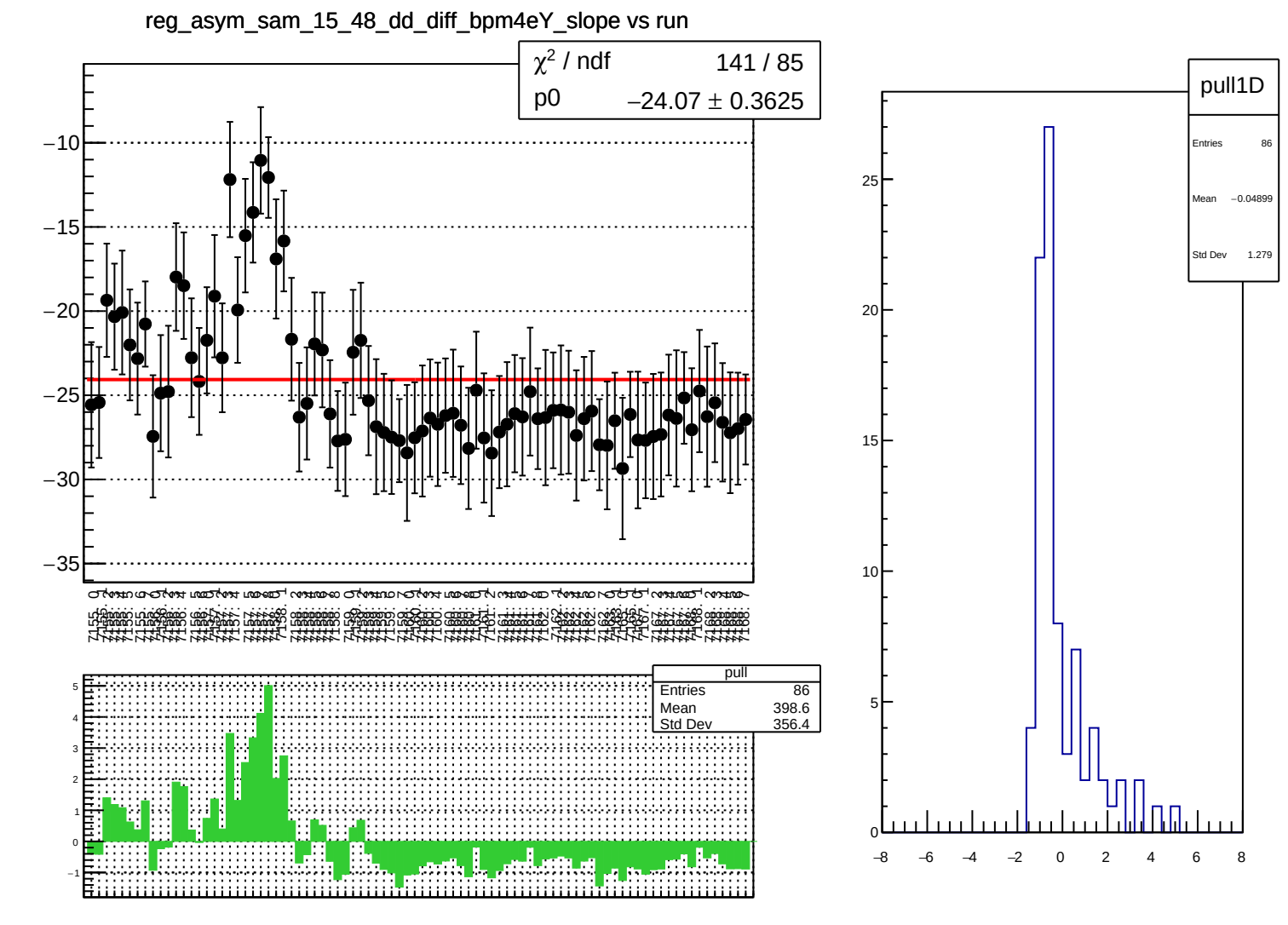

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 9.206 / 85
p0 0.3995 ± 0.01509
pull
Entries 86
Mean 1356
Std Dev 1318
pull1D
Entries 86
Mean 0.002683
Std Dev 0.3272

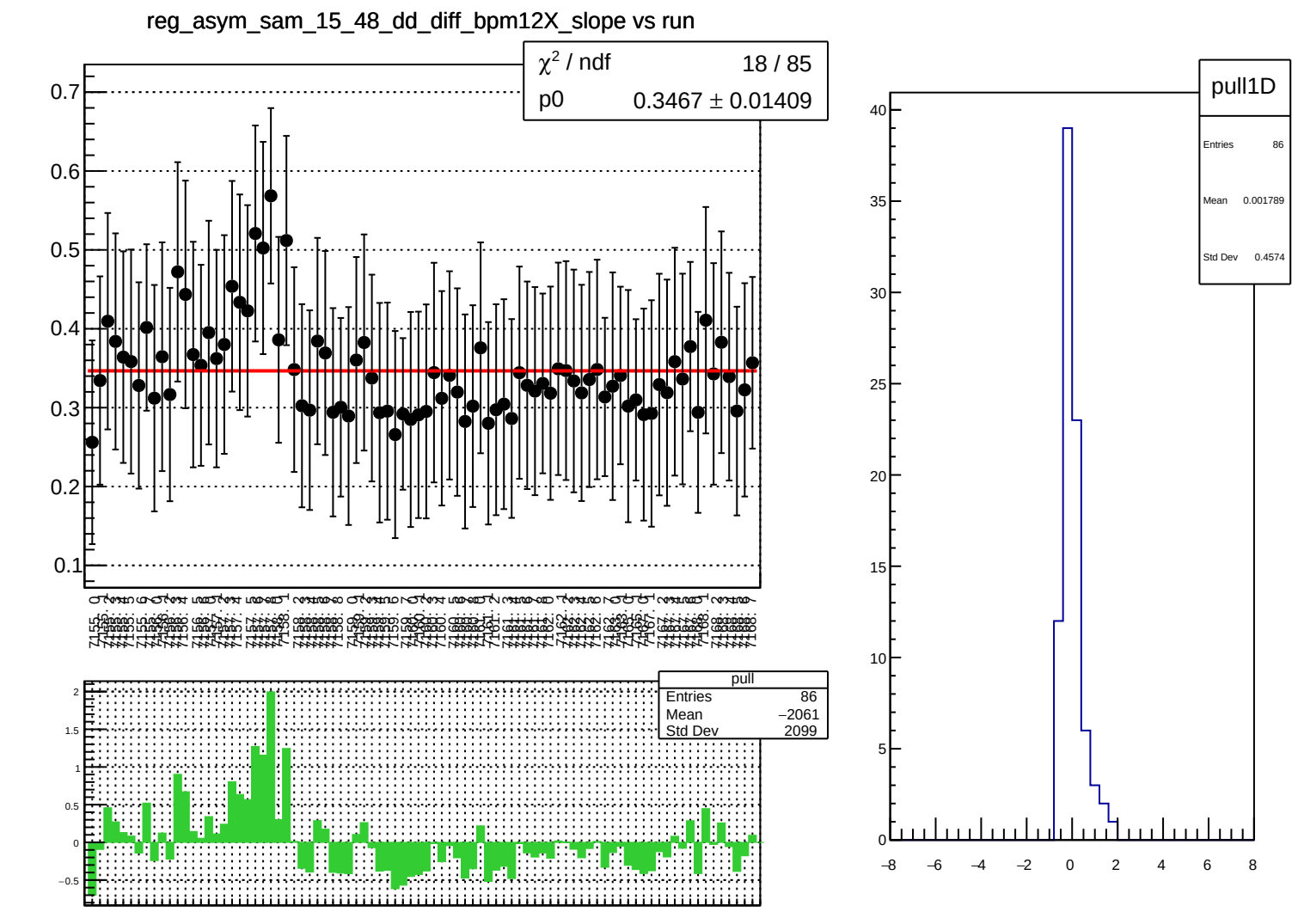

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 336.5 / 85
p0 10.97 ± 0.3682
pull
Entries 86
Mean 220.2
Std Dev 177.4

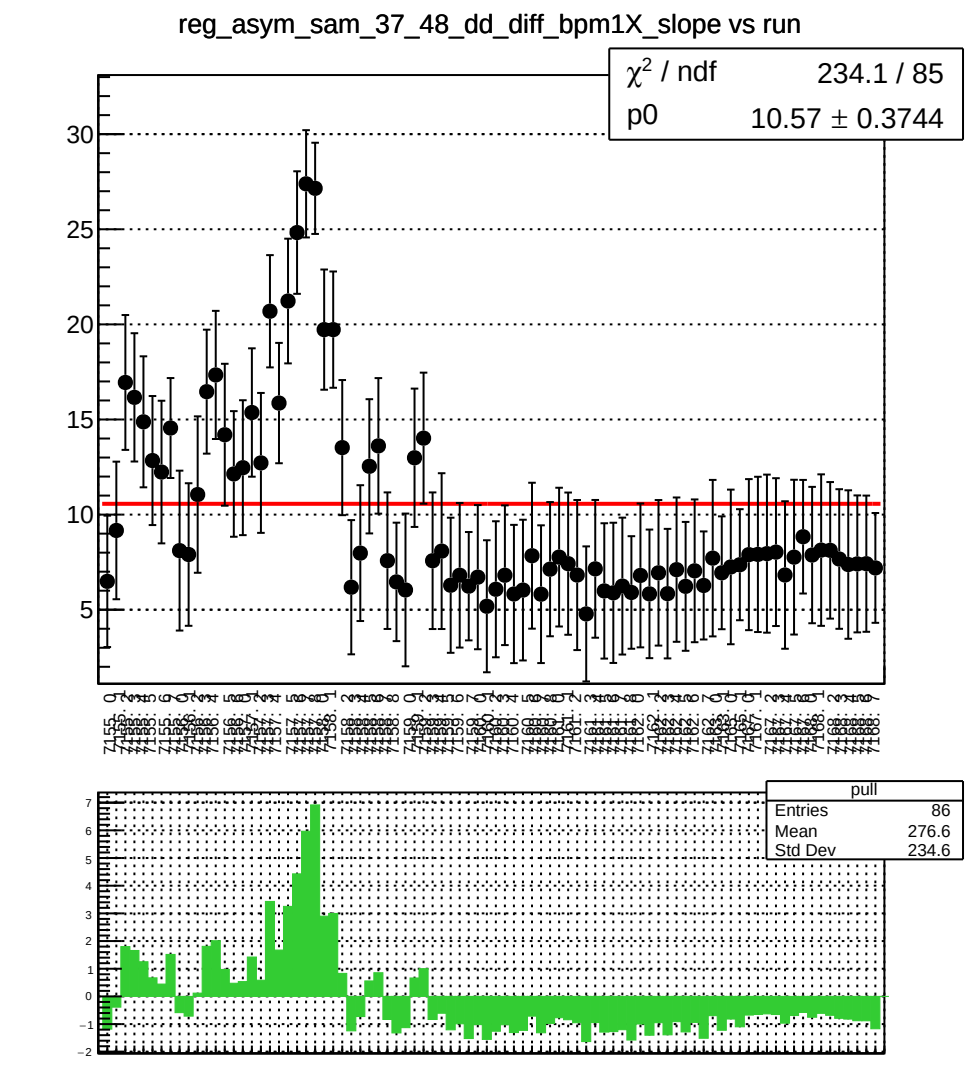

pull1D
Entries 86
Mean −0.2508
Std Dev 1.739

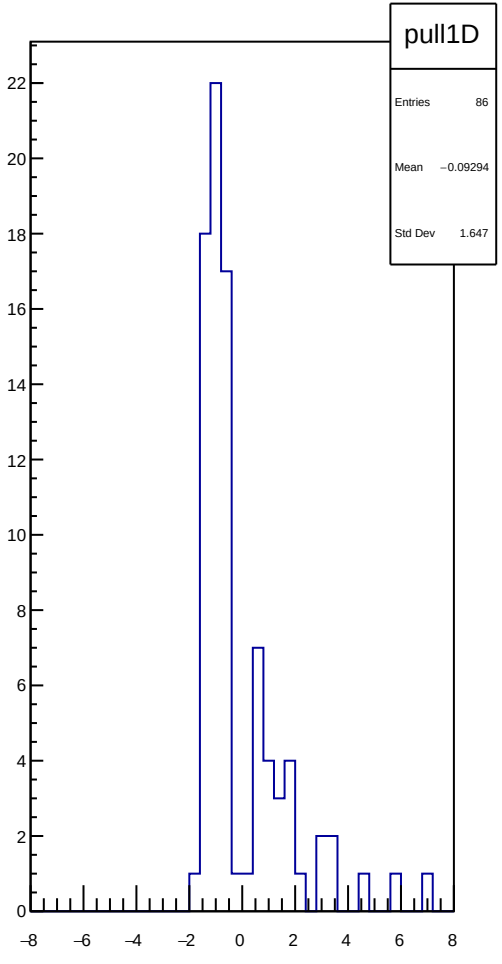

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 138 / 85
p0 −0.2145 ± 0.3118
pull
Entries 86
Mean 960.2
Std Dev 918.2
pull1D
Entries 86
Mean 0.01962
Std Dev 1.267

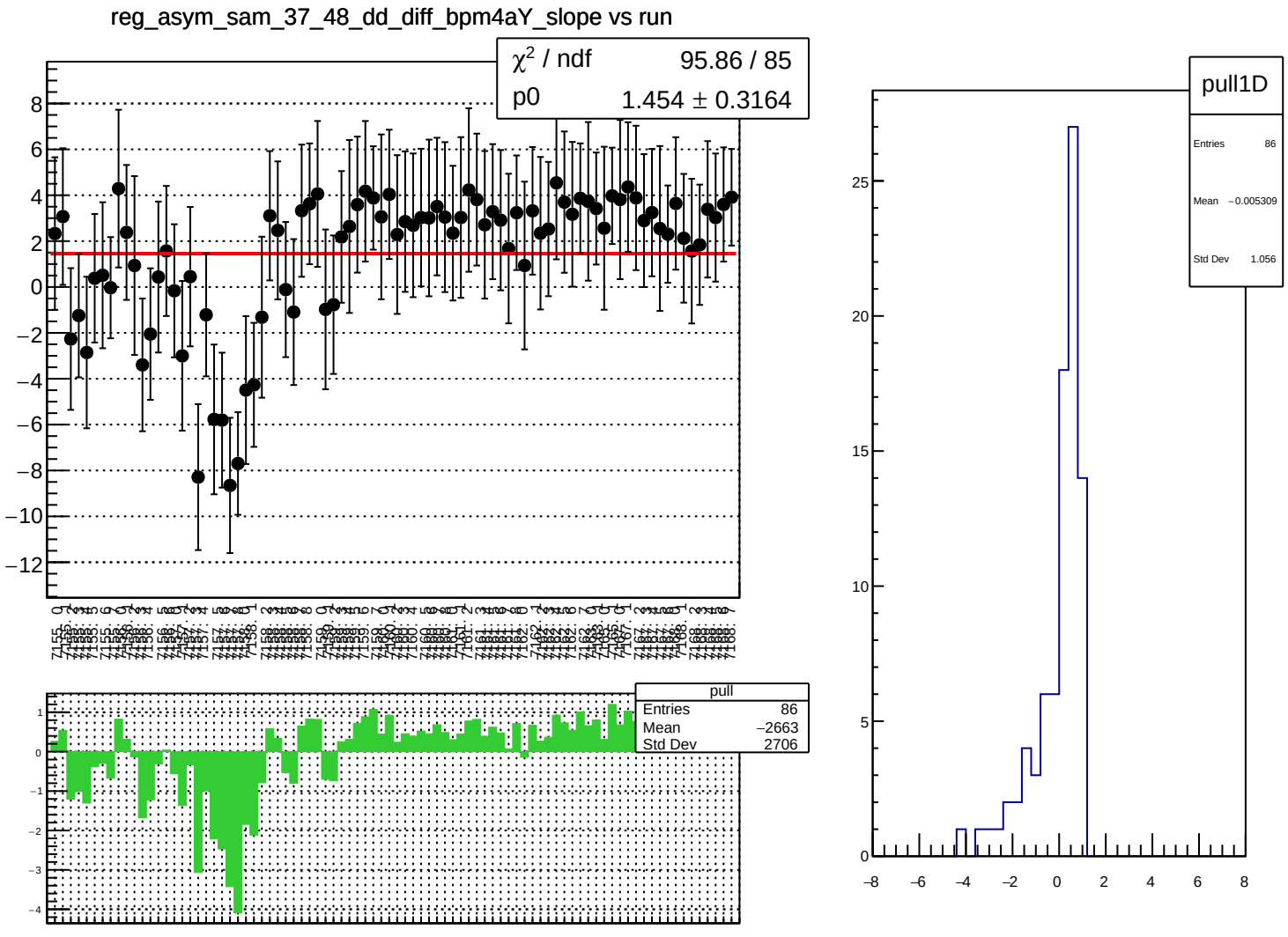

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 274.6 / 85
p0 30.52 ± 0.3729
pull
Entries 86
Mean 219.3
Std Dev 176.9
pull1D
Entries 86
Mean 0.1333
Std Dev 1.782

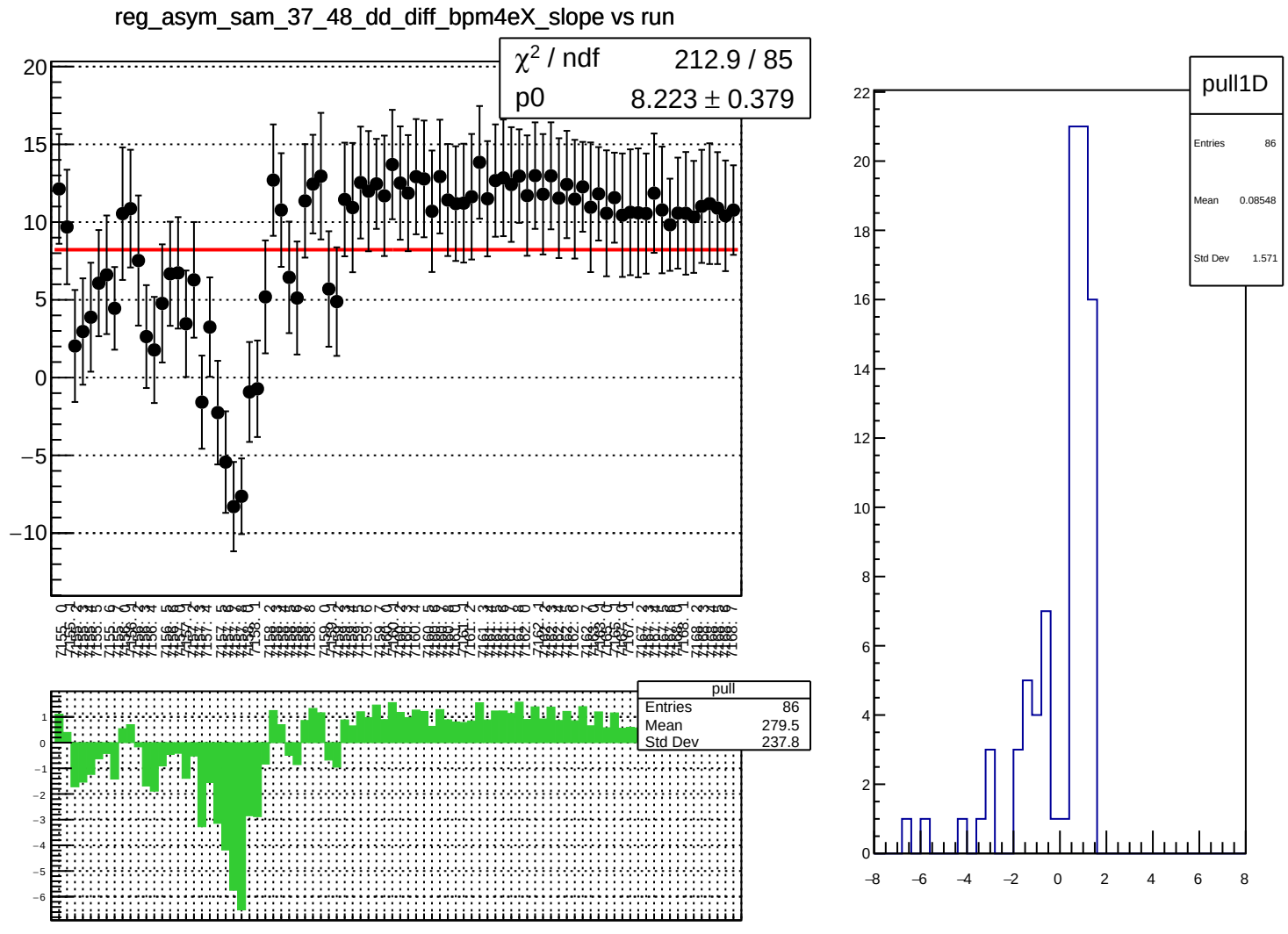

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 141 / 85
p0 −24.07 ± 0.3625
pull
Entries 86
Mean 398.6
Std Dev 356.4
pull1D
Entries 86
Mean −0.04899
Std Dev 1.279

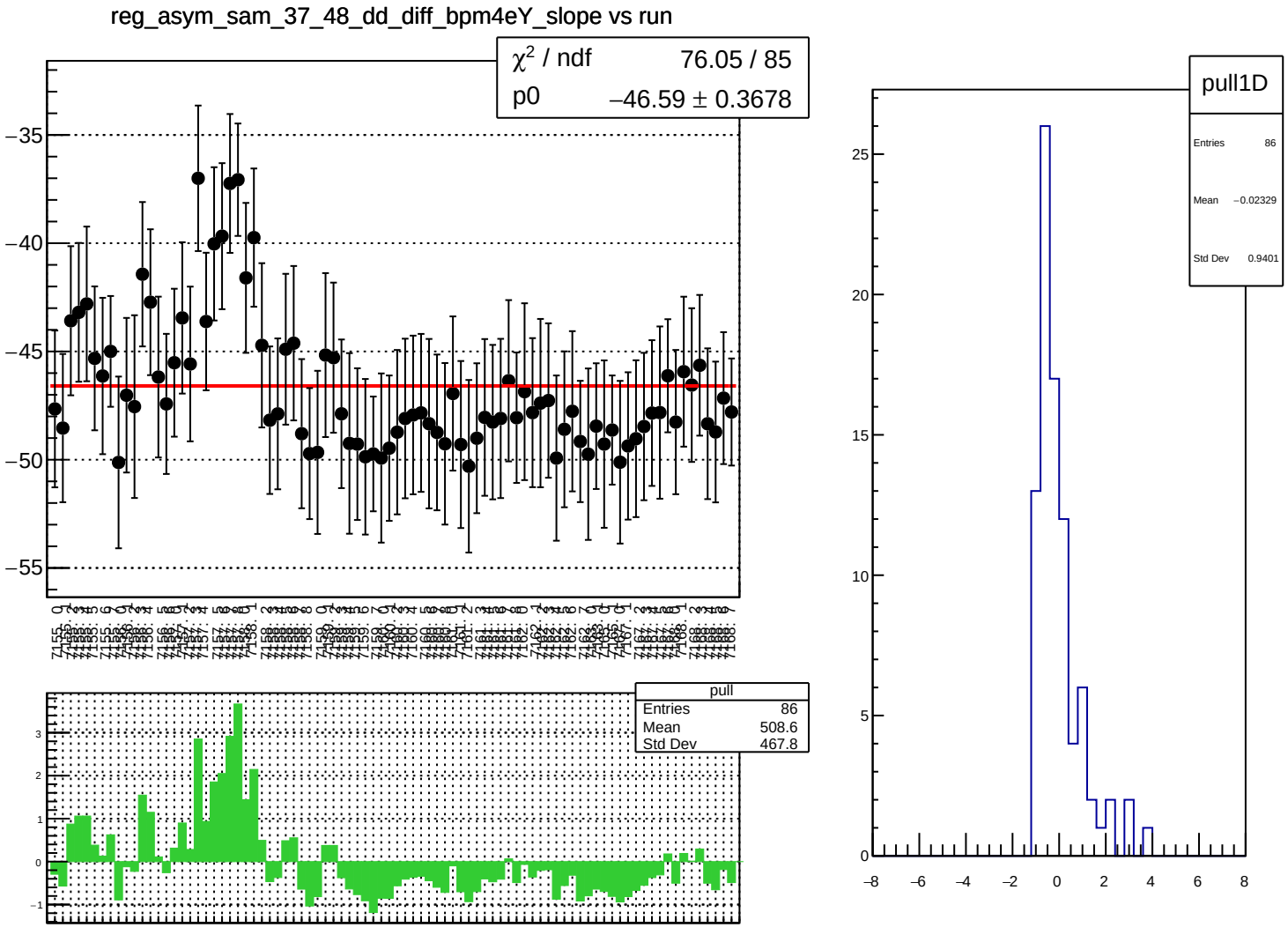

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18 / 85
p0 0.3467 ± 0.01409
pull
Entries 86
Mean −2061
Std Dev 2099
pull1D
Entries 86
Mean 0.001789
Std Dev 0.4574

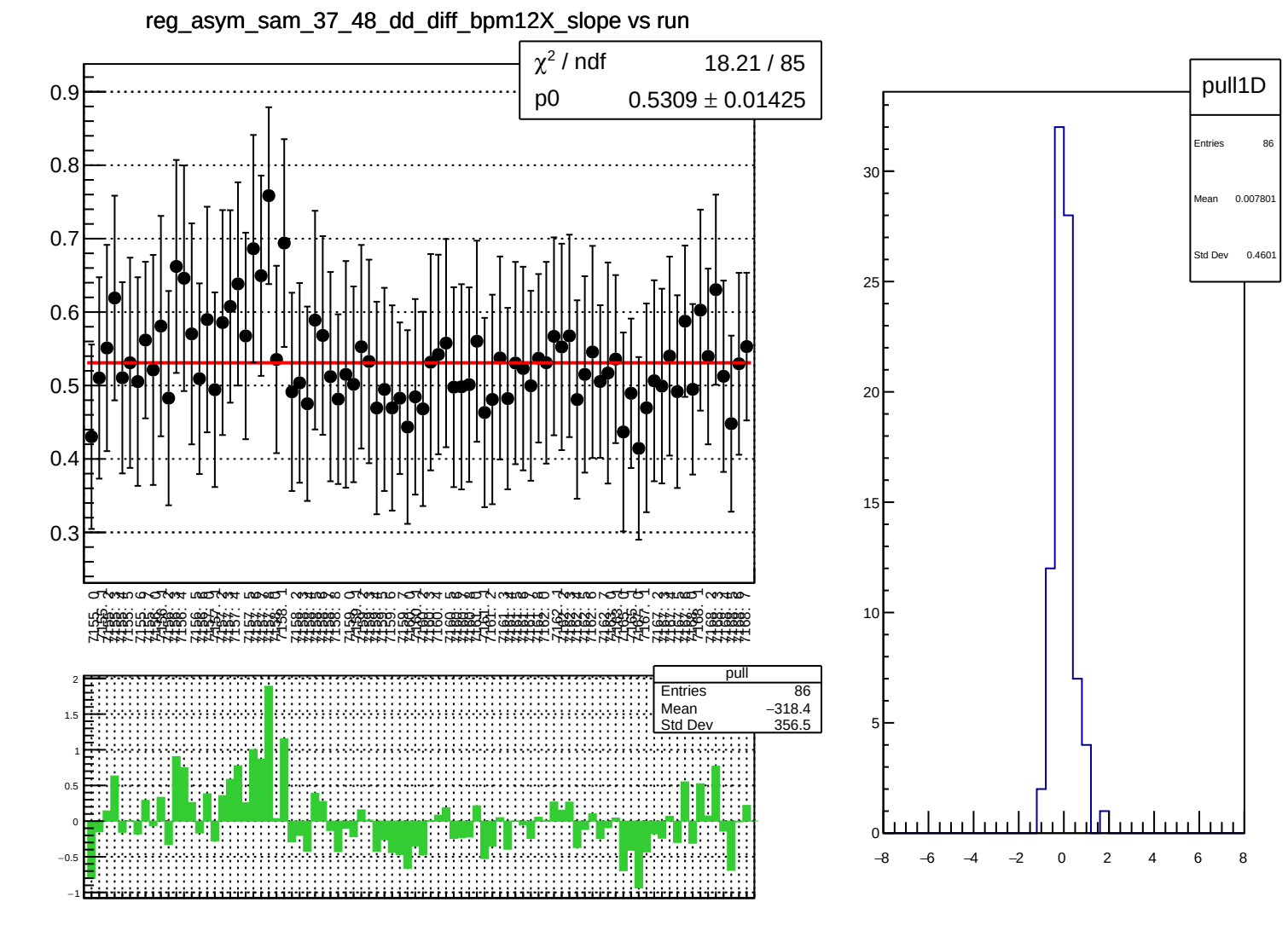

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 234.1 / 85
p0 10.57 ± 0.3744
pull
Entries 86
Mean 276.6
Std Dev 234.6

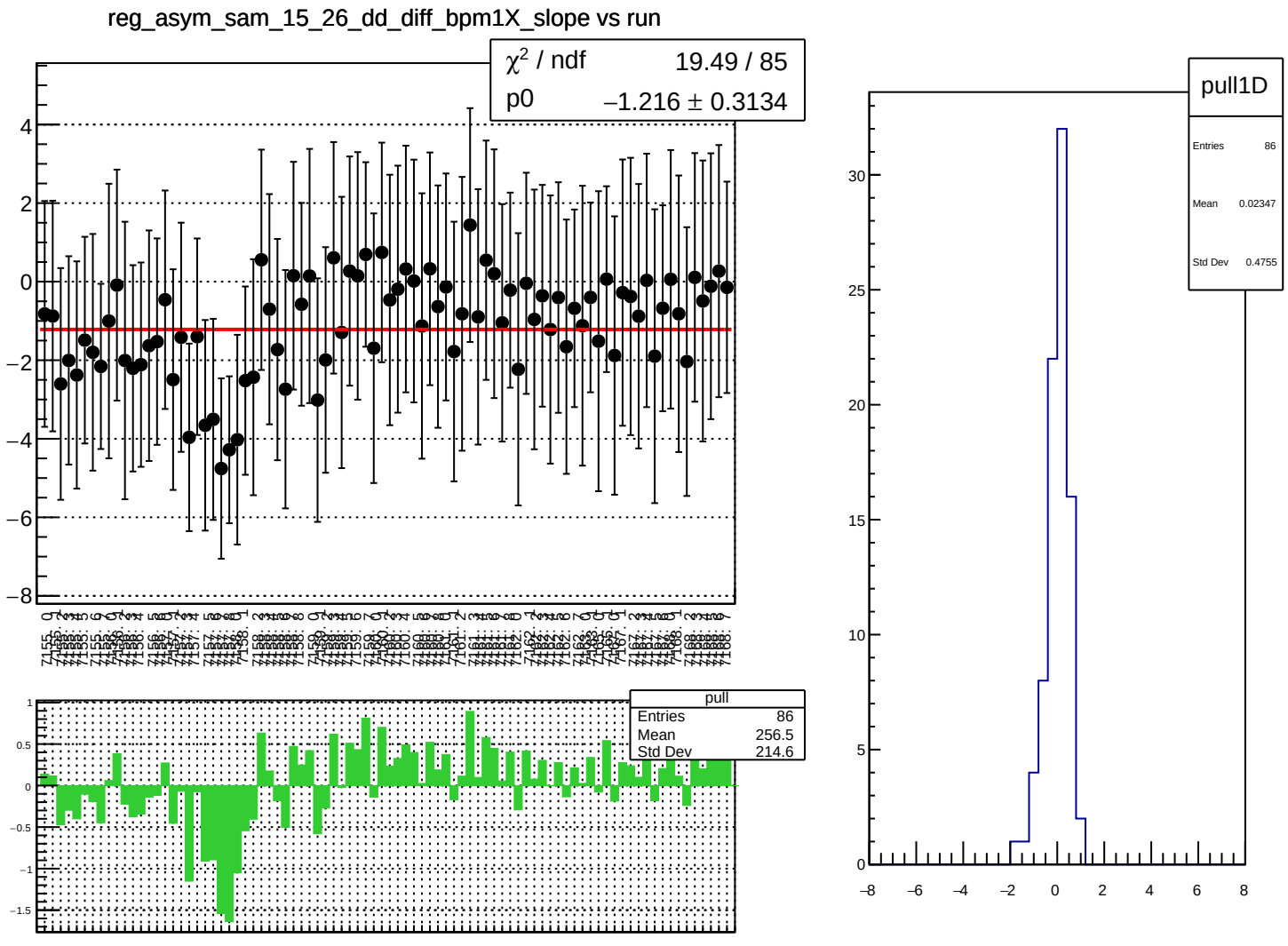

pull1D
Entries 86
Mean −0.09294
Std Dev 1.647

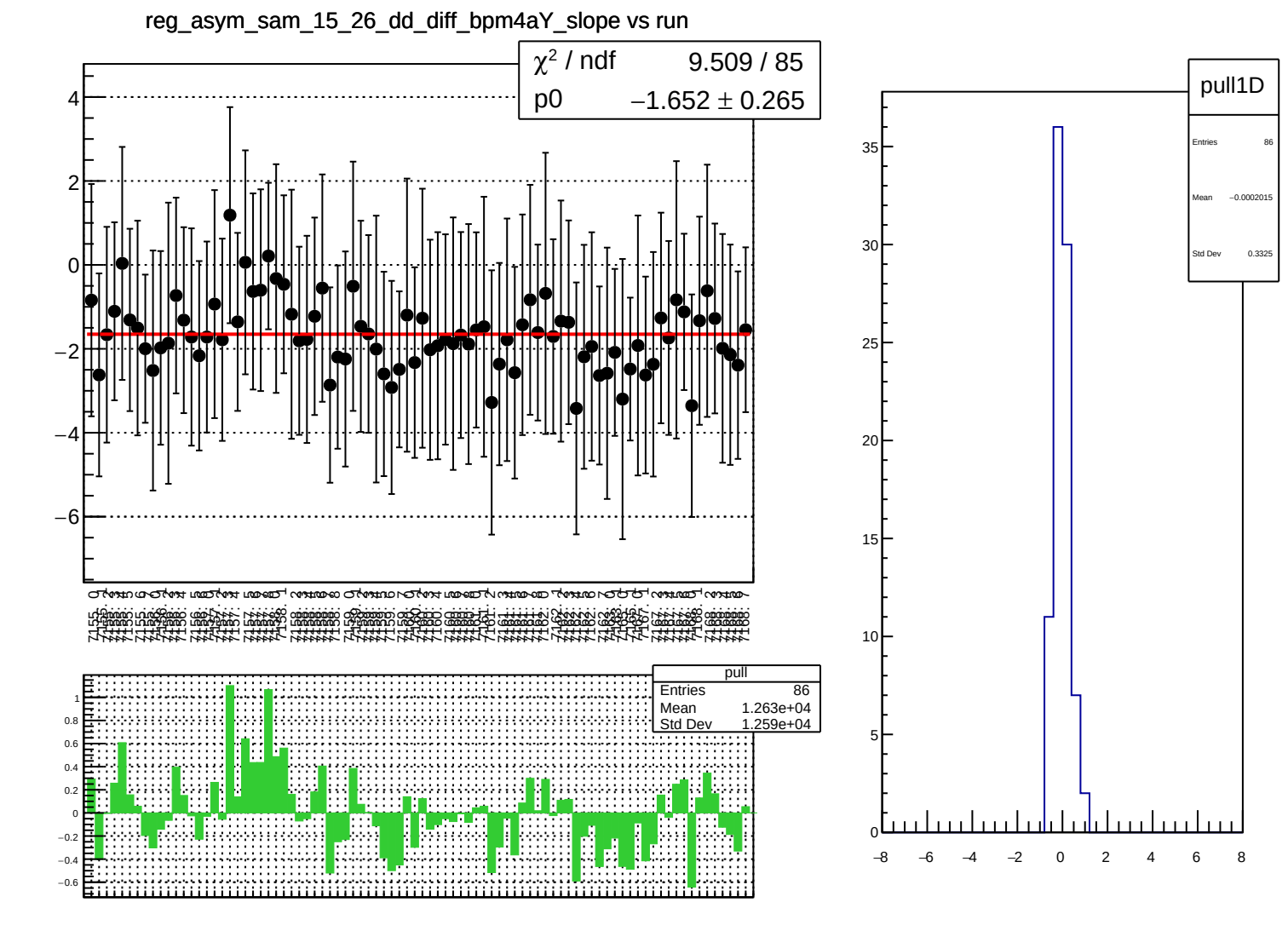

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 95.86 / 85
p0 1.454 ± 0.3164
pull
Entries 86
Mean −2663
Std Dev 2706
pull1D
Entries 86
Mean −0.005309
Std Dev 1.056

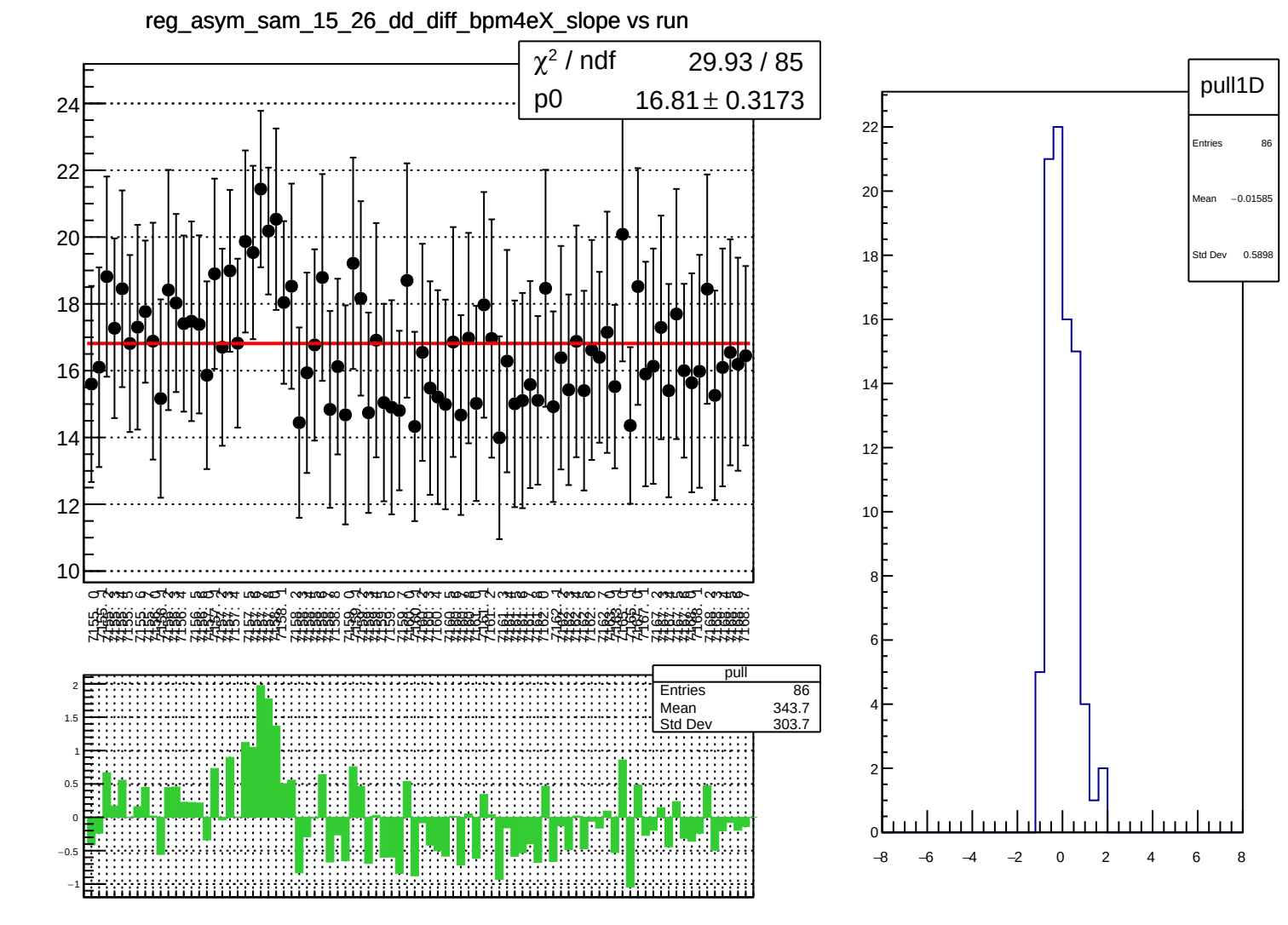

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 212.9 / 85
p0 8.223 ± 0.379
pull
Entries 86
Mean 279.5
Std Dev 237.8
pull1D
Entries 86
Mean 0.08548
Std Dev 1.571

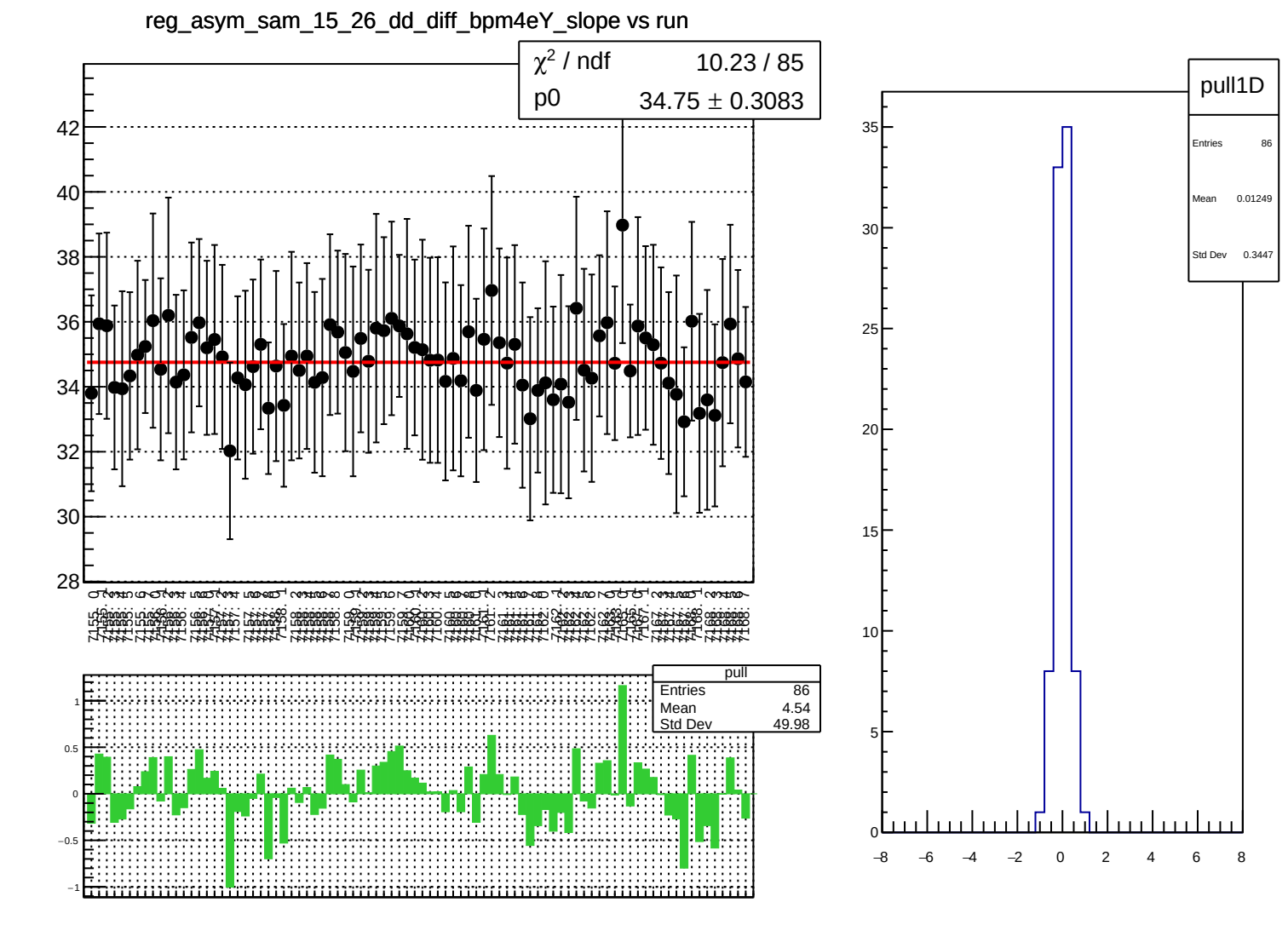

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.05 / 85
p0 −46.59 ± 0.3678
−35
−40
−45
−50
−55
pull
Entries 86
Mean 508.6
Std Dev 467.8
3
2
1
0
−1
pull1D
Entries 86
Mean −0.02329
Std Dev 0.9401
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

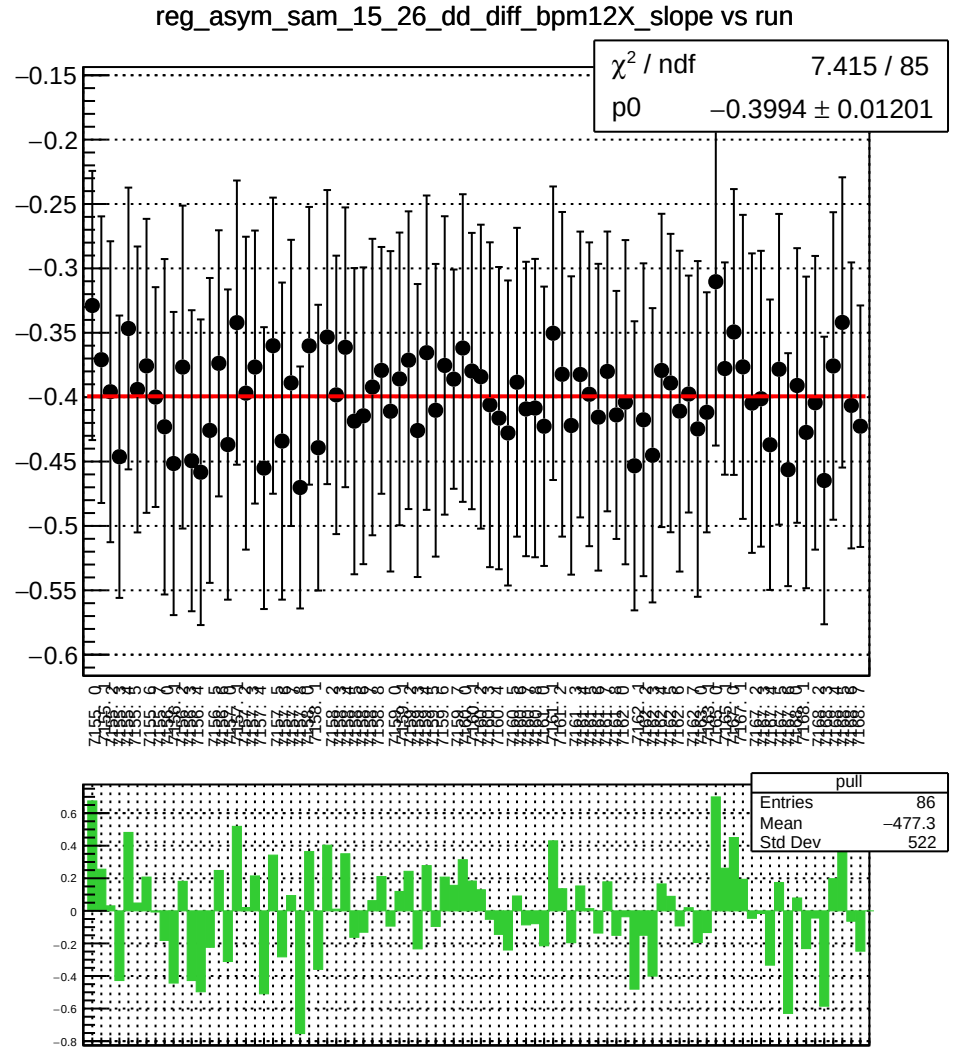

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.21 / 85
p0 0.5309 ± 0.01425
pull
Entries 86
Mean −318.4
Std Dev 356.5
pull1D
Entries 86
Mean 0.007801
Std Dev 0.4601

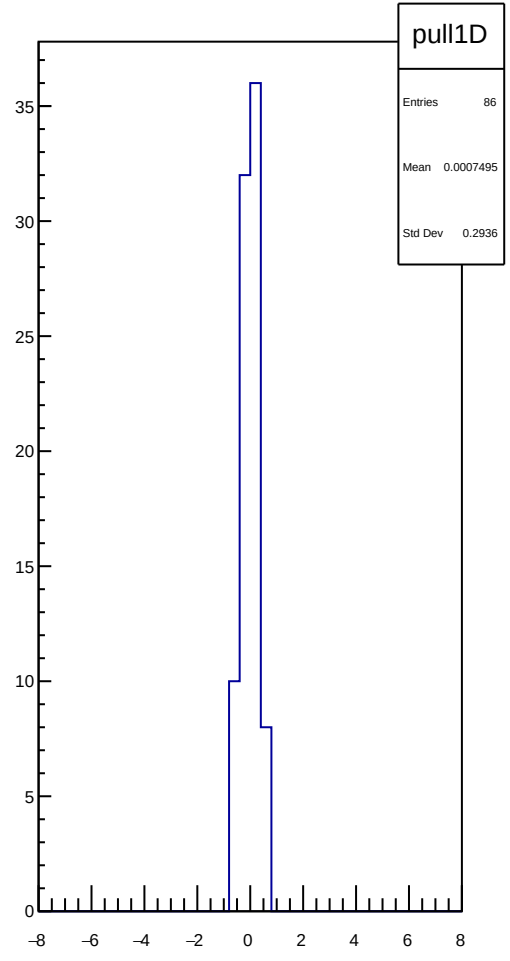

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 19.49 / 85
p0 −1.216 ± 0.3134
pull
Entries 86
Mean 256.5
Std Dev 214.6
pull1D
Entries 86
Mean 0.02347
Std Dev 0.4755

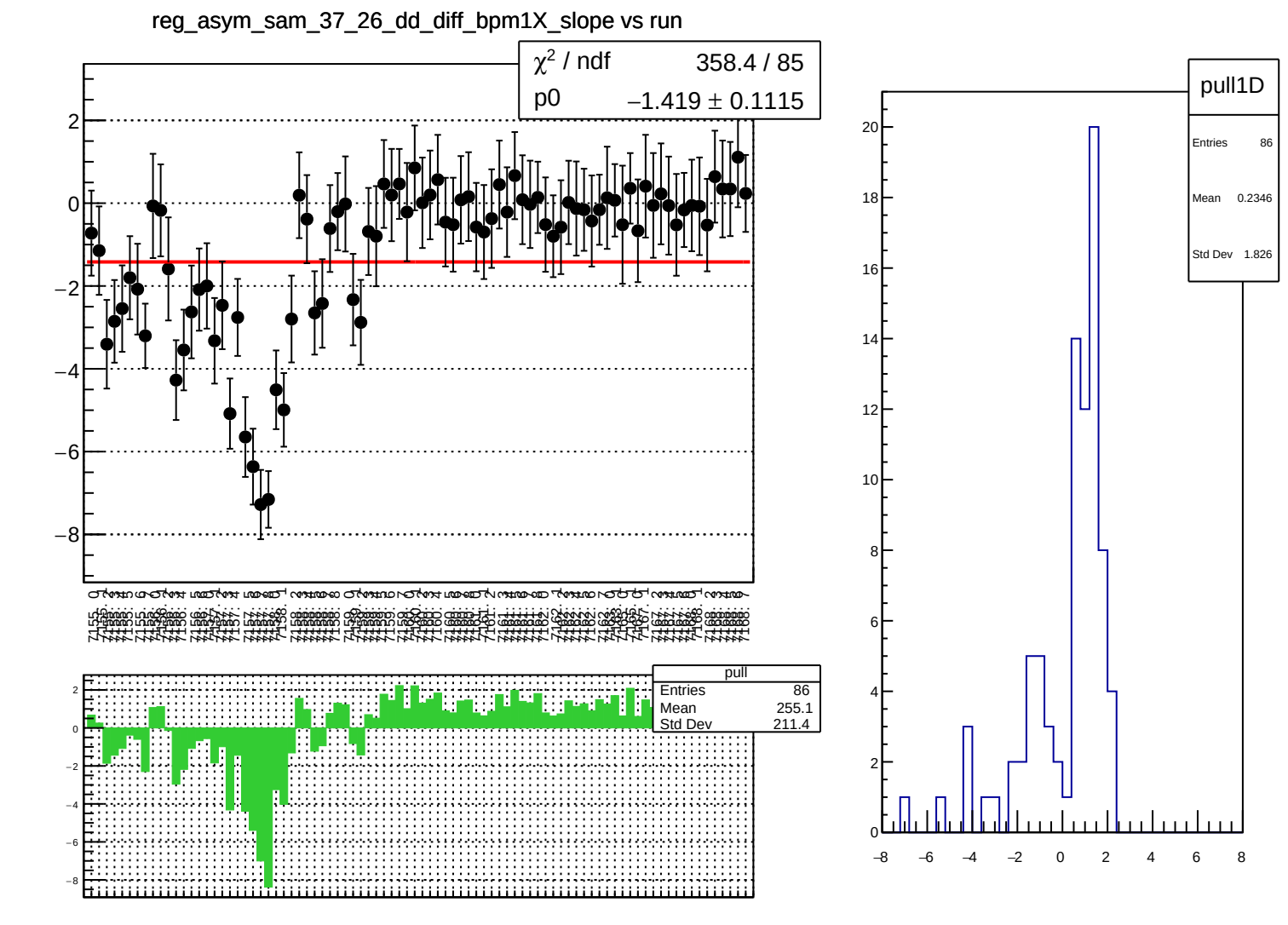

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.509 / 85
p0 −1.652 ± 0.265
pull
Entries 86
Mean 1.263e+04
Std Dev 1.259e+04
pull1D
Entries 86
Mean −0.0002015
Std Dev 0.3325

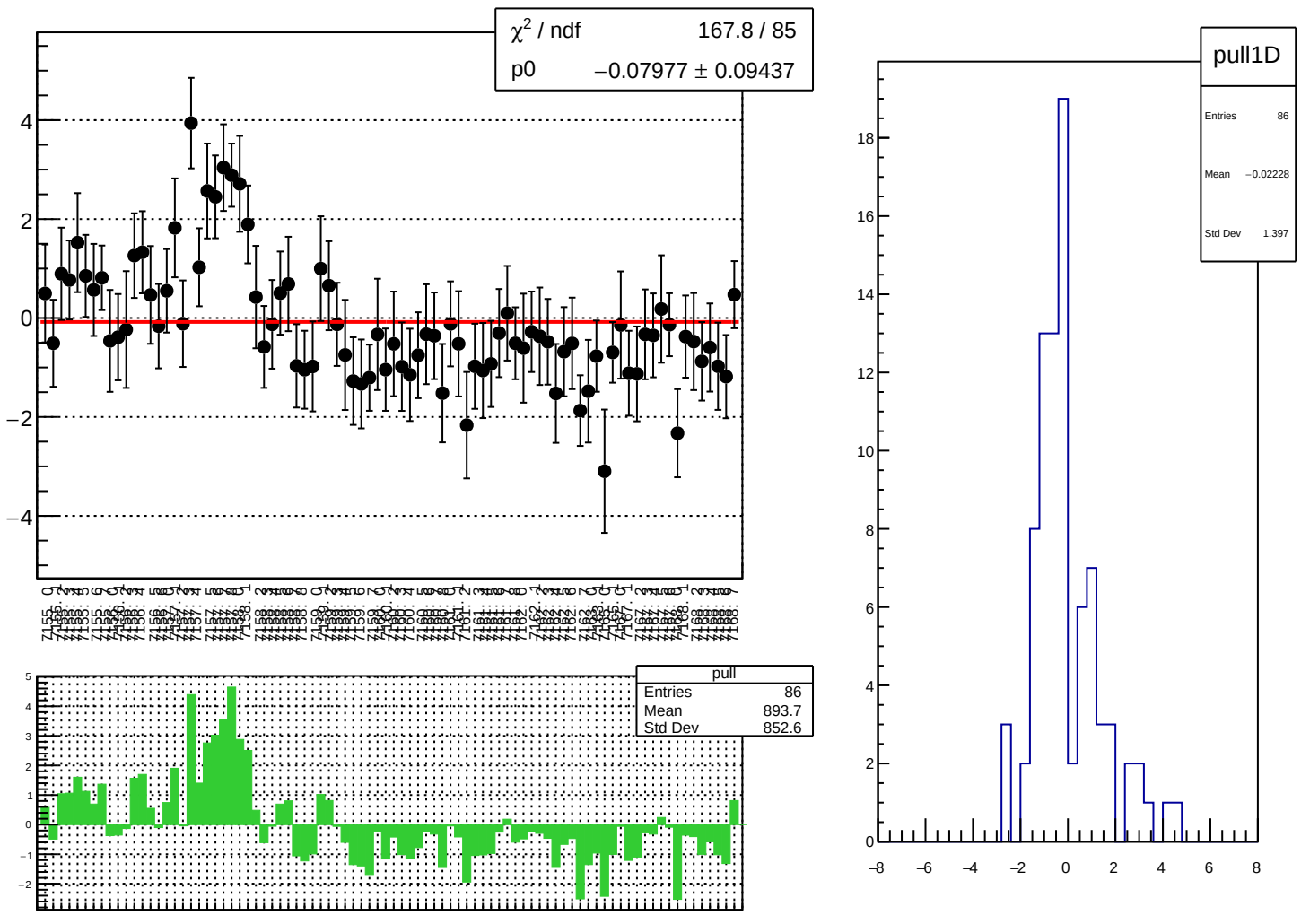

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.93 / 85
p0 16.81 ± 0.3173
pull
Entries 86
Mean 343.7
Std Dev 303.7
pull1D
Entries 86
Mean −0.01585
Std Dev 0.5898

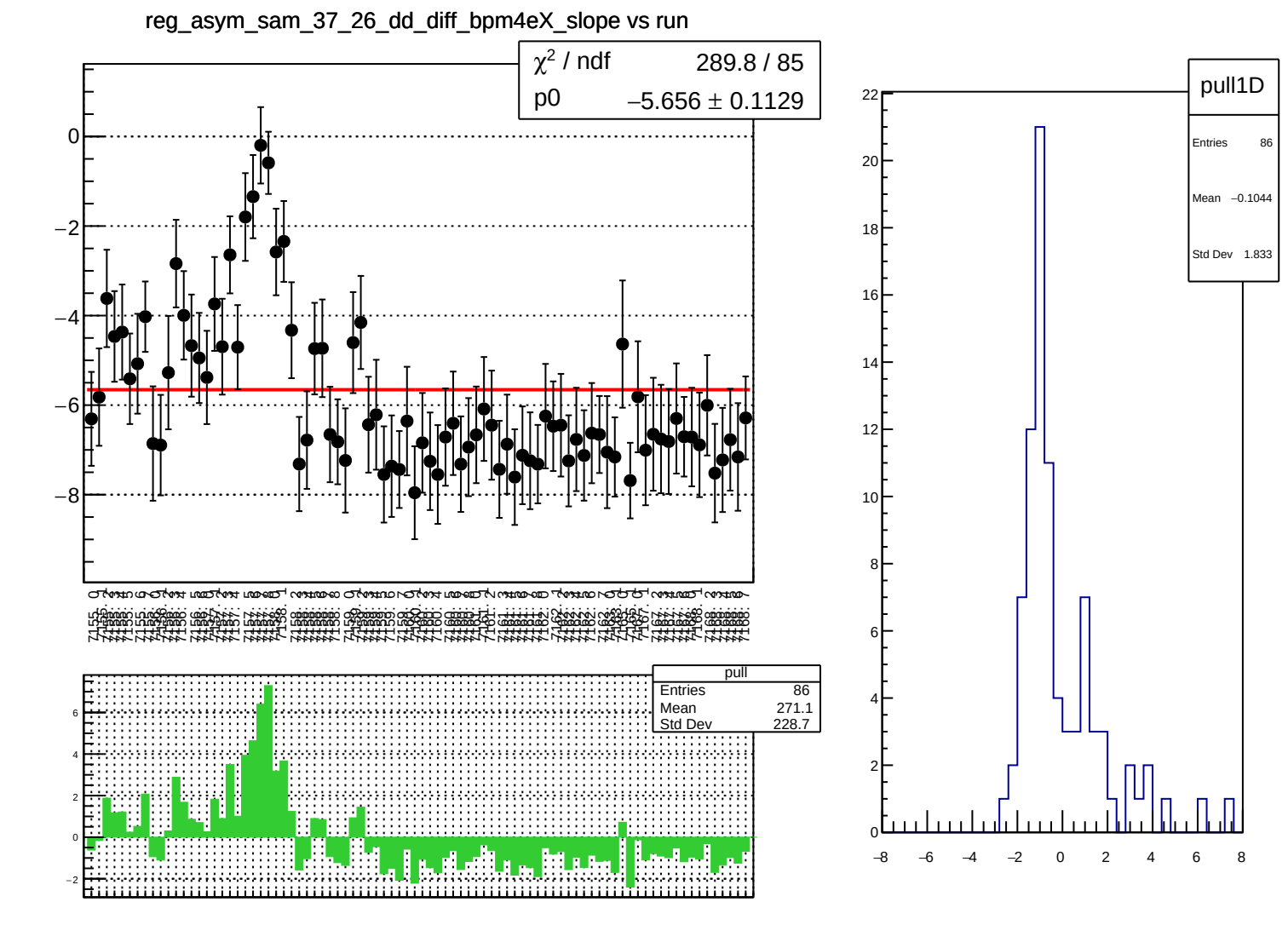

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.23 / 85
p0 34.75 ± 0.3083
pull
Entries 86
Mean 4.54
Std Dev 49.98
pull1D
Entries 86
Mean 0.01249
Std Dev 0.3447

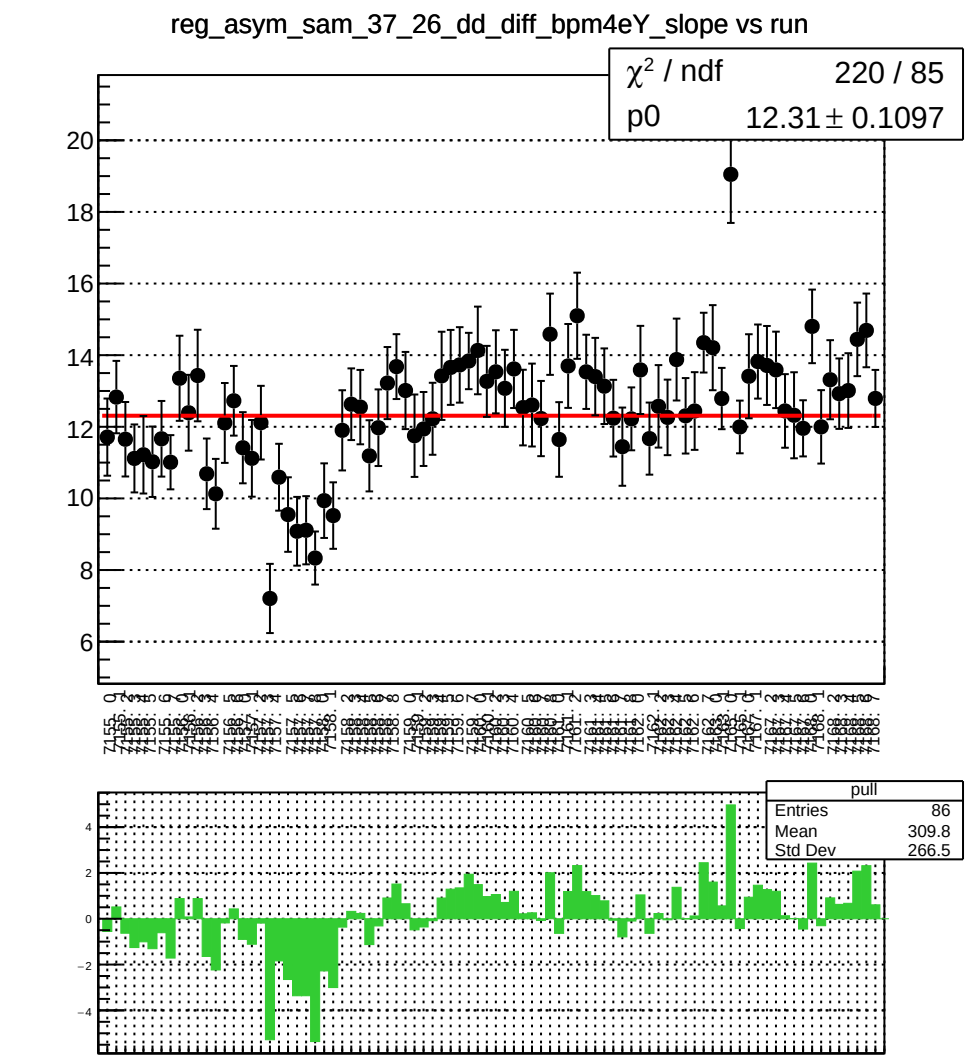

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 7.415 / 85
p0 −0.3994 ± 0.01201
pull
Entries 86
Mean −477.3
Std Dev 522

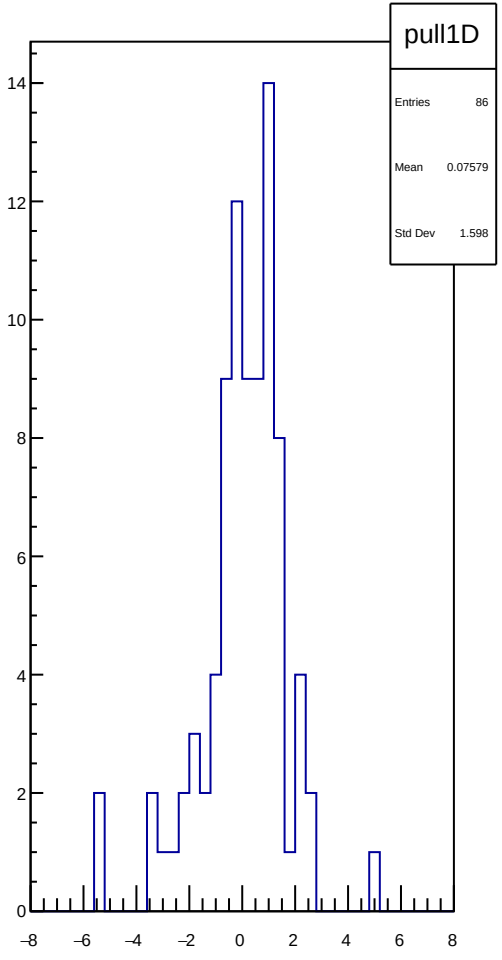

pull1D
Entries 86
Mean 0.0007495
Std Dev 0.2936

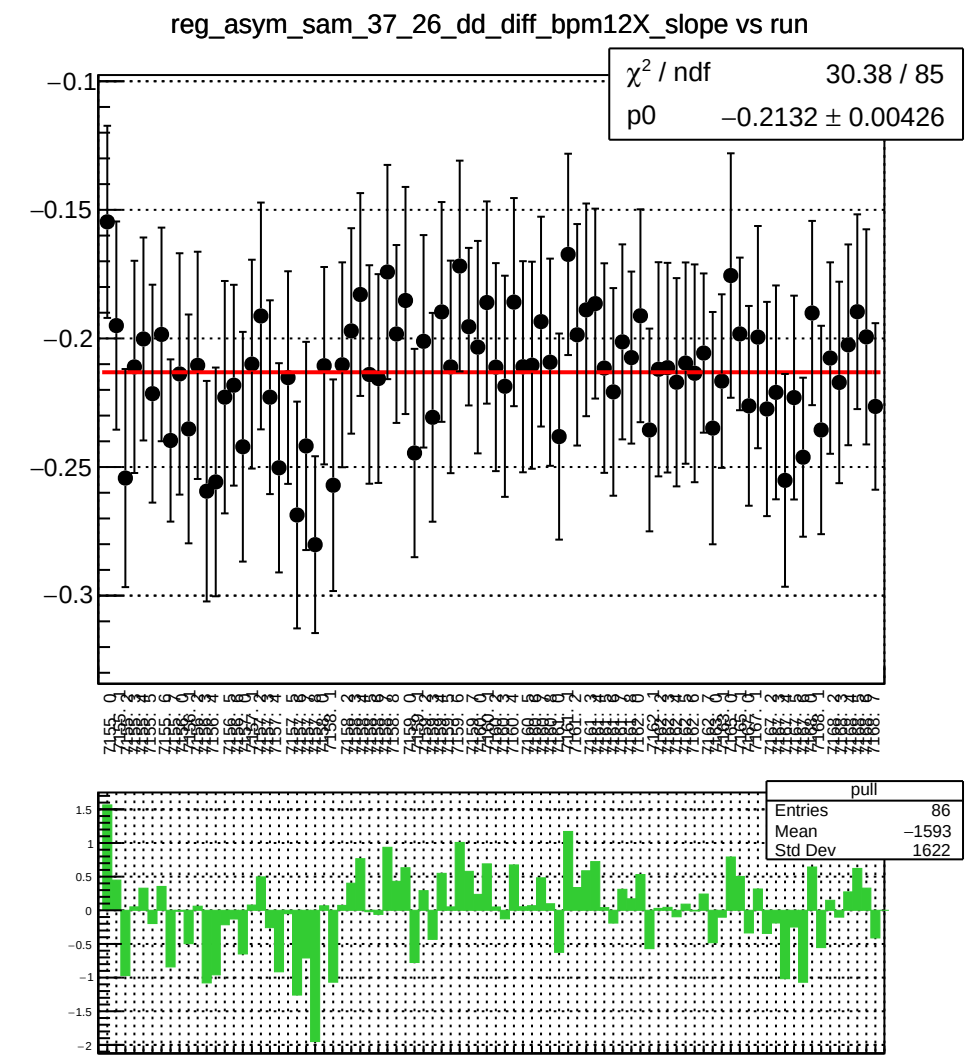

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 358.4 / 85
p0 −1.419 ± 0.1115
pull
Entries 86
Mean 255.1
Std Dev 211.4
pull1D
Entries 86
Mean 0.2346
Std Dev 1.826

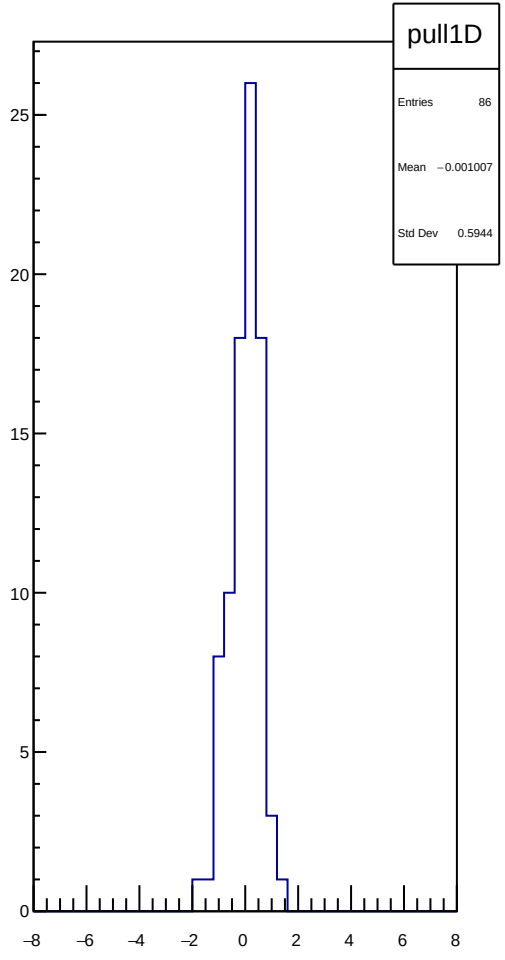

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 167.8 / 85
p0 −0.07977 ± 0.09437
pull
Entries 86
Mean 893.7
Std Dev 852.6
pull1D
Entries 86
Mean −0.02228
Std Dev 1.397

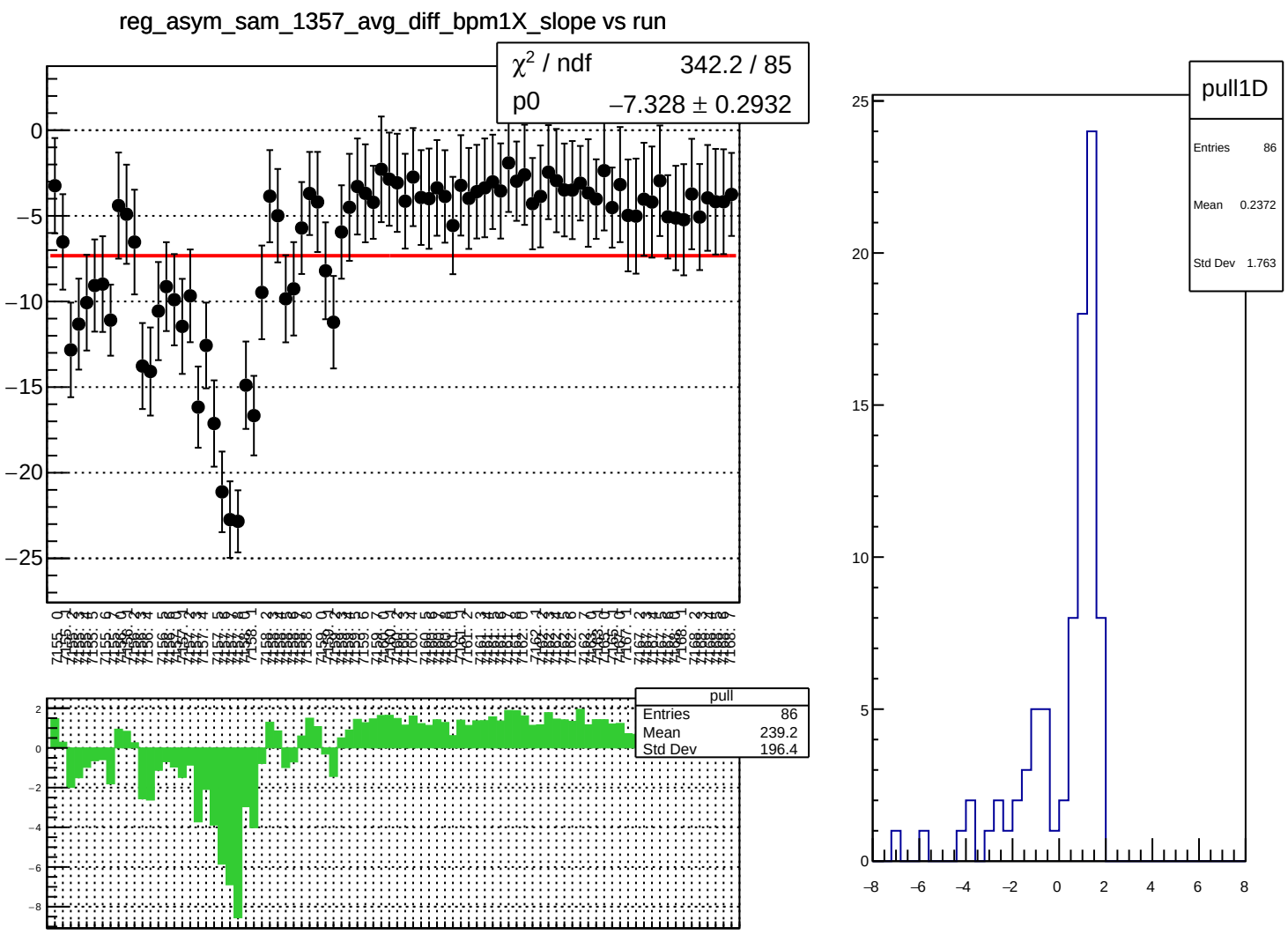

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 289.8 / 85
p0 −5.656 ± 0.1129
pull
Entries 86
Mean 271.1
Std Dev 228.7
pull1D
Entries 86
Mean −0.1044
Std Dev 1.833

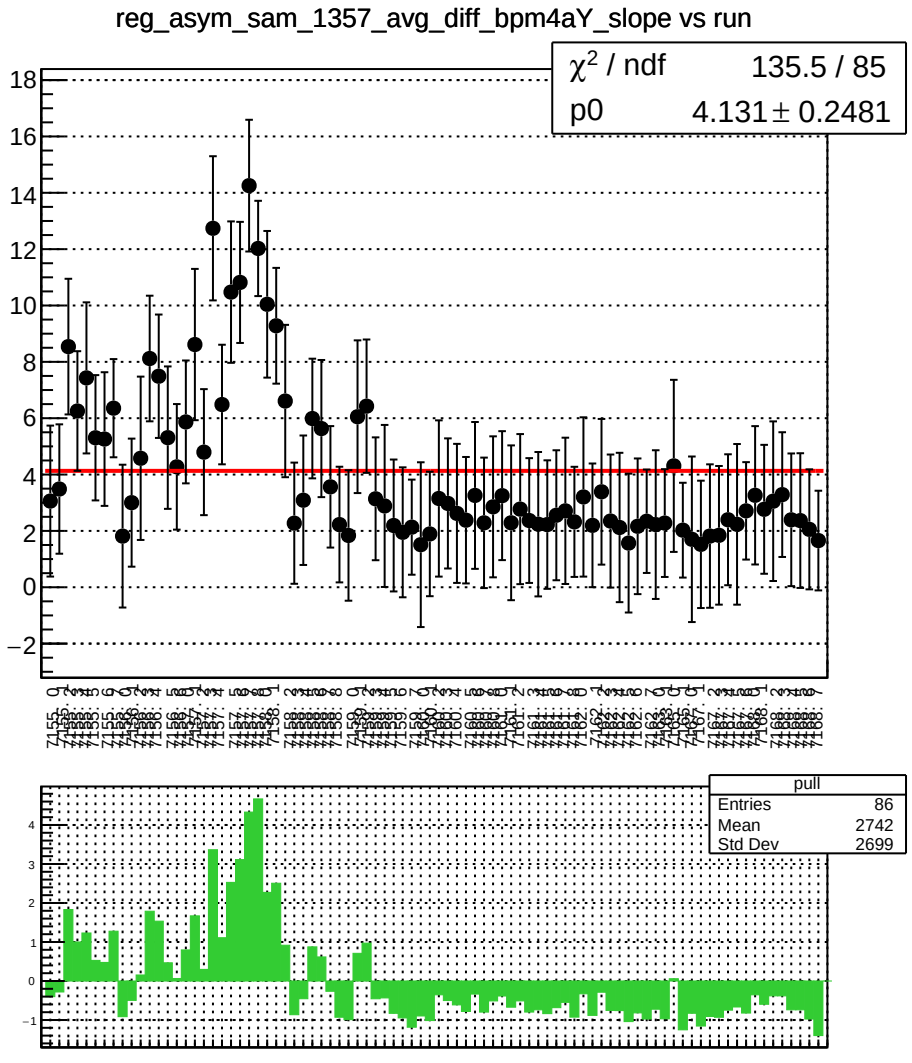

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 220 / 85
p0 12.31 ± 0.1097
pull
Entries 86
Mean 309.8
Std Dev 266.5

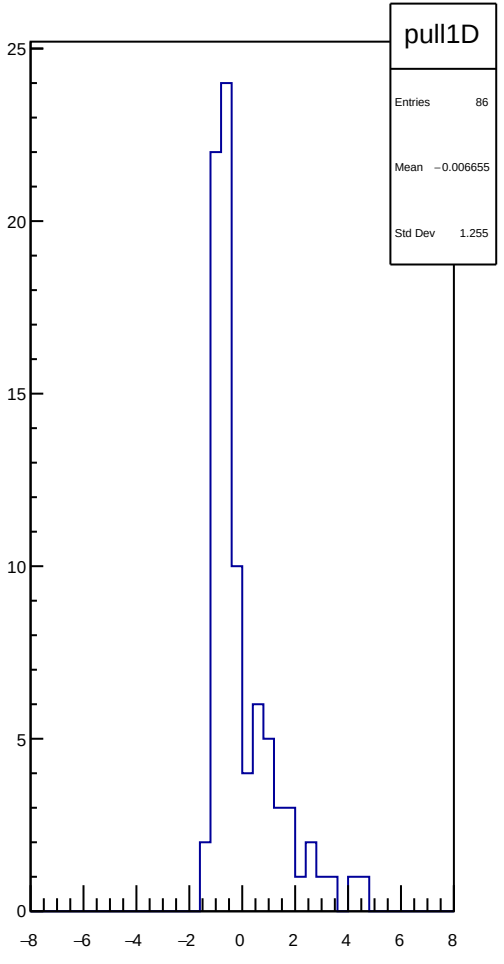

pull1D
Entries 86
Mean 0.07579
Std Dev 1.598

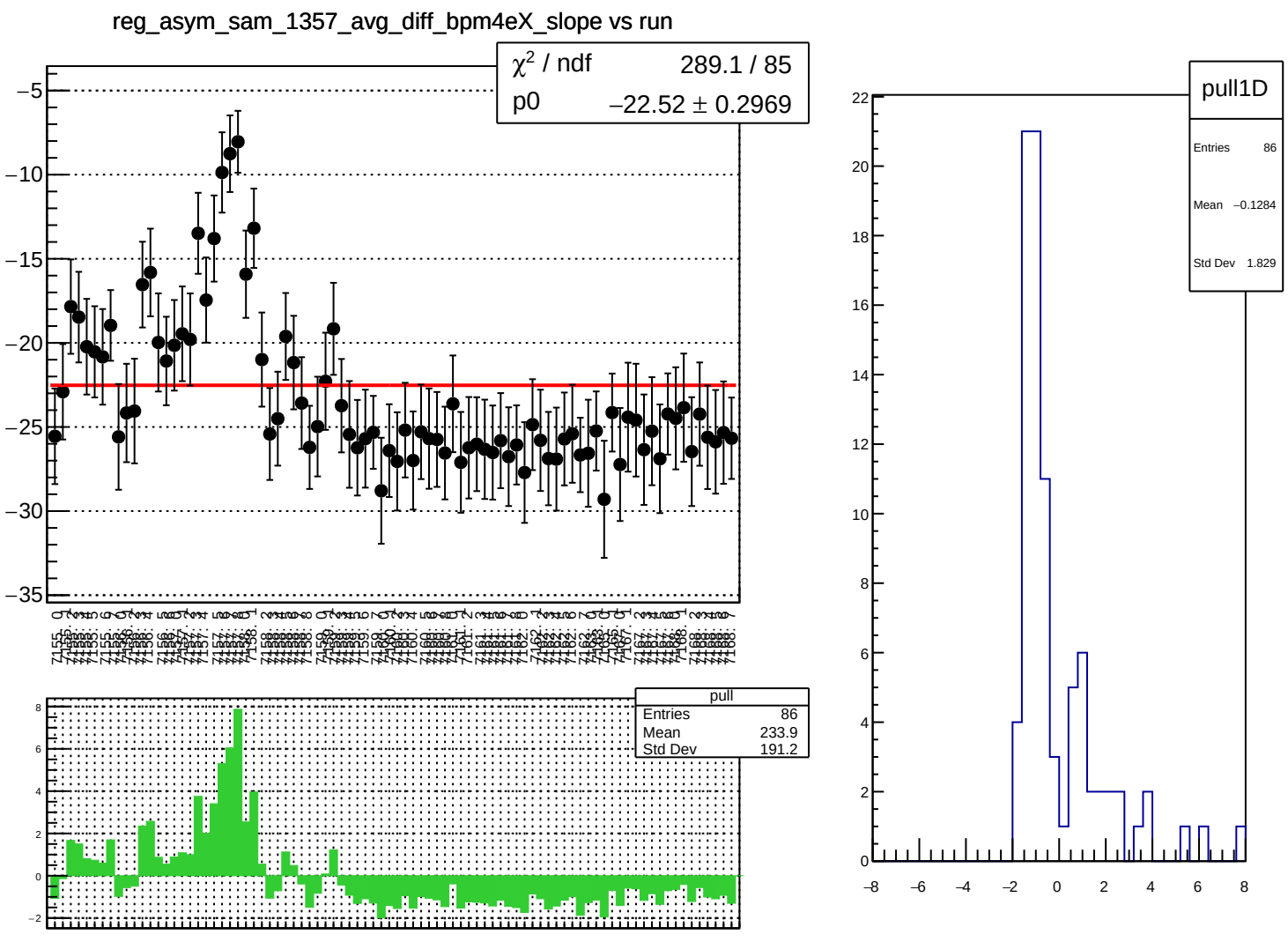

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 30.38 / 85
p0 −0.2132 ± 0.00426
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 86
Mean −1593
Std Dev 1622
1.5
1
0.5
0
−0.5
−1
−1.5
−2

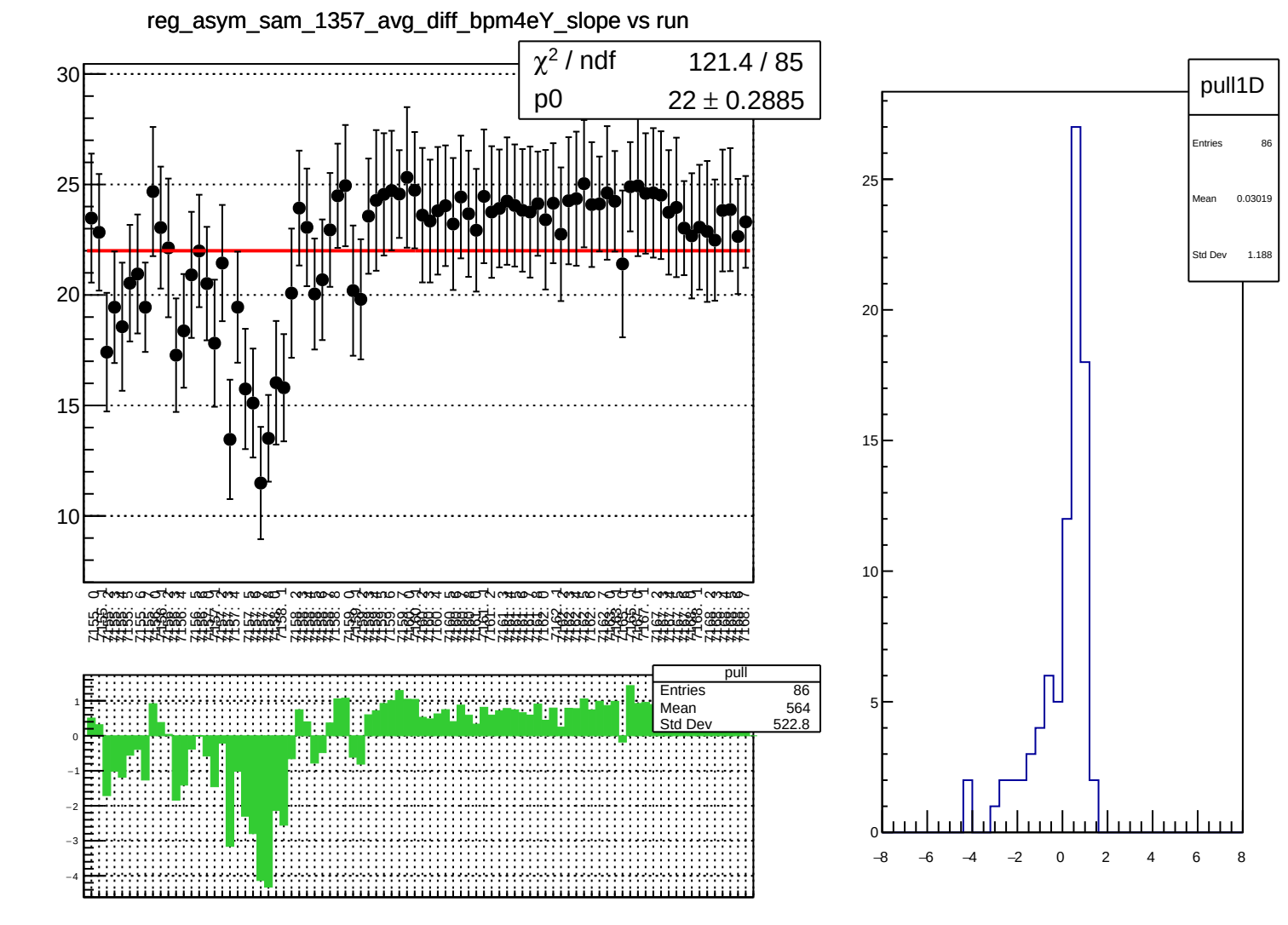

pull1D
Entries 86
Mean −0.001007
Std Dev 0.5944
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

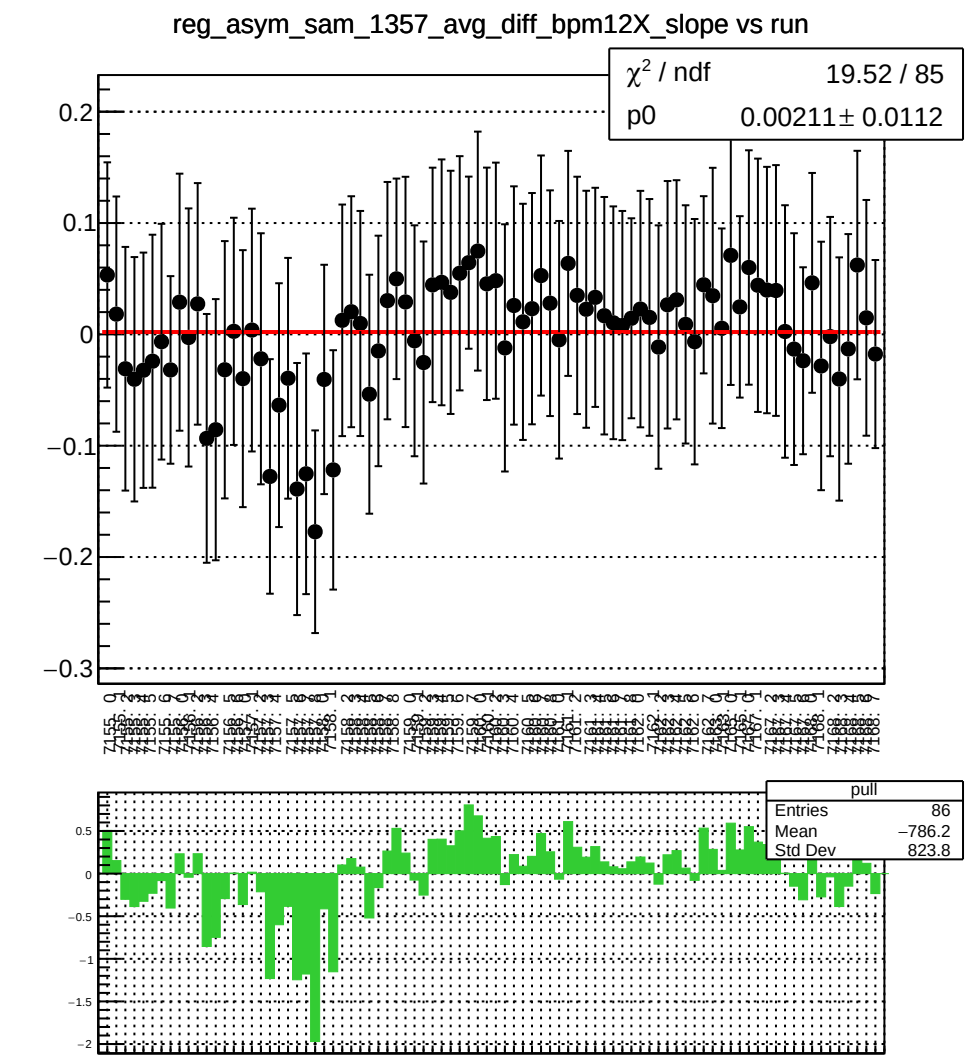

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 342.2 / 85
p0 −7.328 ± 0.2932
pull
Entries 86
Mean 239.2
Std Dev 196.4
pull1D
Entries 86
Mean 0.2372
Std Dev 1.763

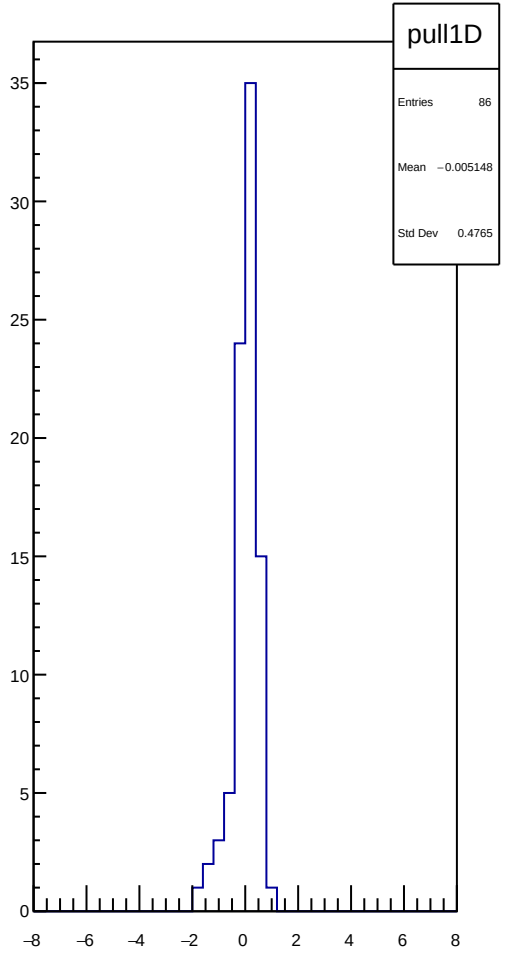

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 135.5 / 85
p0 4.131 ± 0.2481
pull
Entries 86
Mean 2742
Std Dev 2699

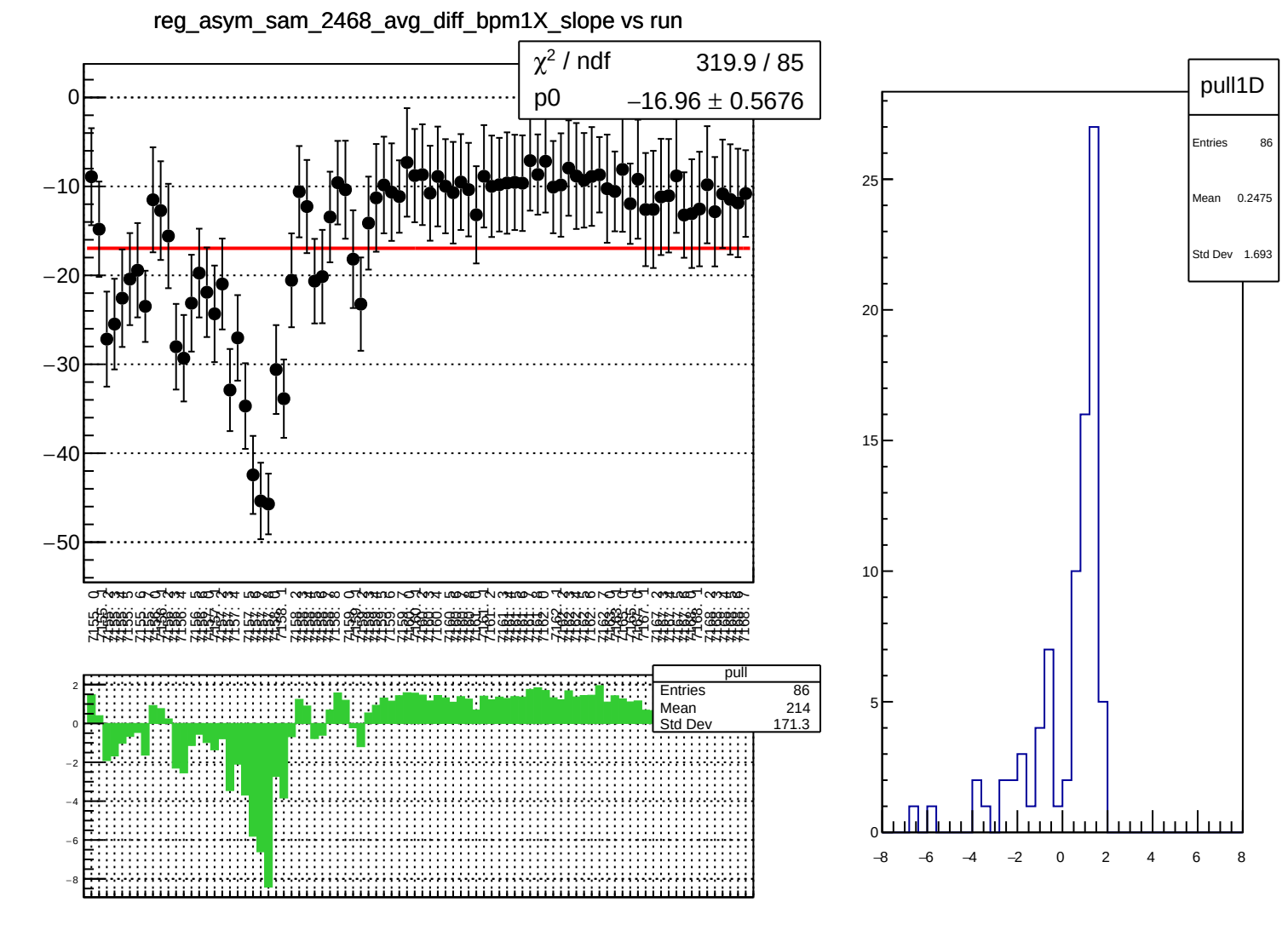

pull1D
Entries 86
Mean −0.006655
Std Dev 1.255

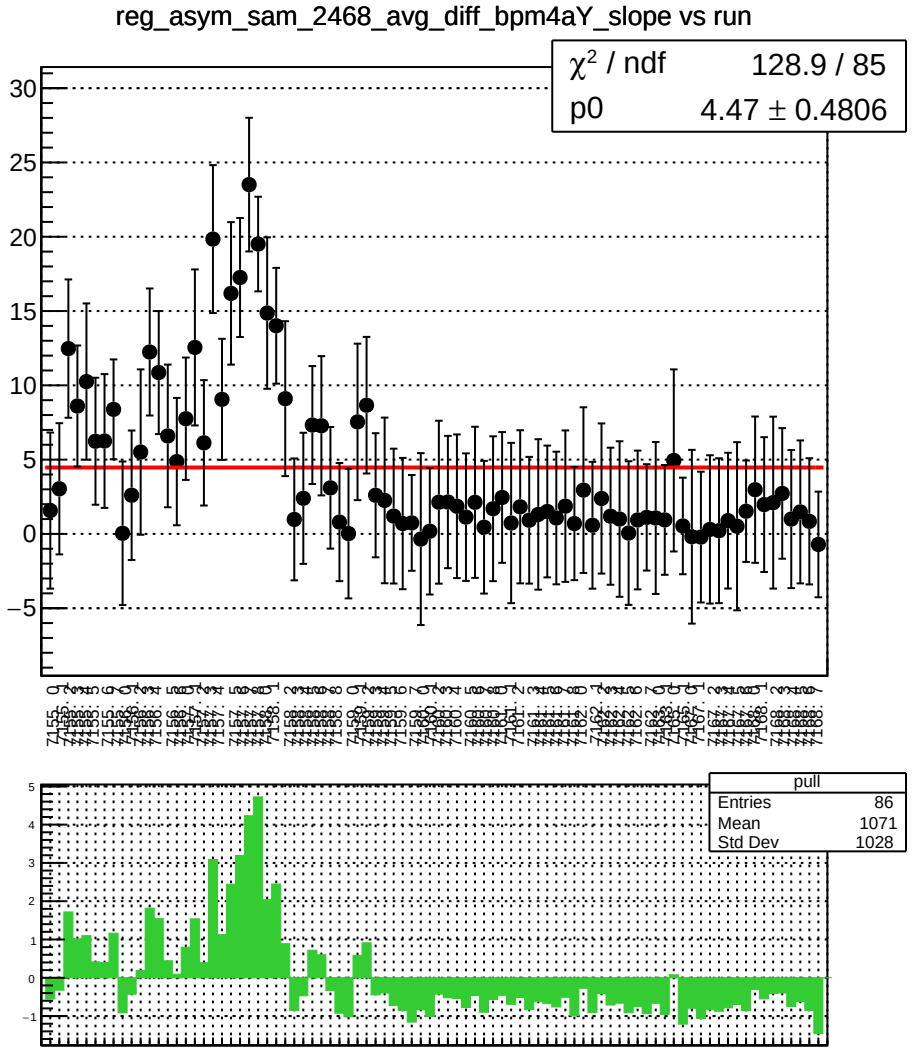

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 289.1 / 85
p0 −22.52 ± 0.2969
pull
Entries 86
Mean 233.9
Std Dev 191.2
pull1D
Entries 86
Mean −0.1284
Std Dev 1.829

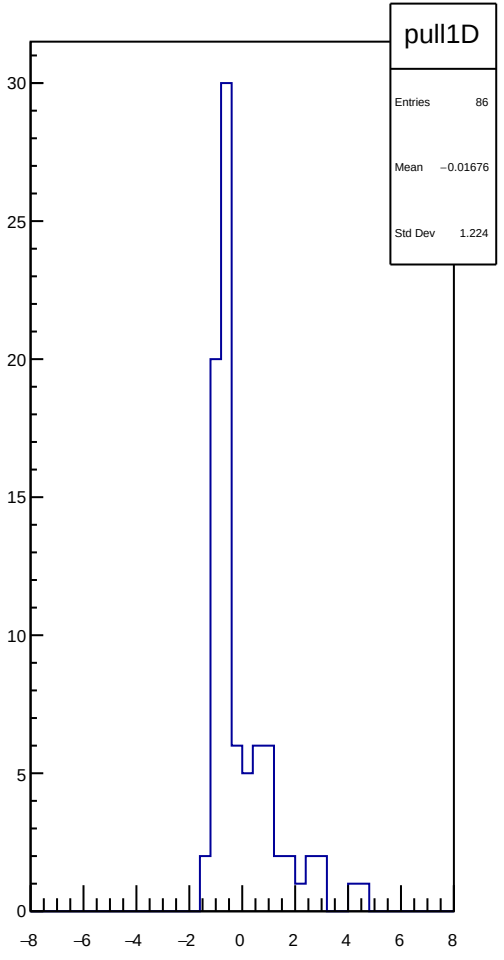

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 121.4 / 85
p0 22 ± 0.2885
pull
Entries 86
Mean 564
Std Dev 522.8
pull1D
Entries 86
Mean 0.03019
Std Dev 1.188

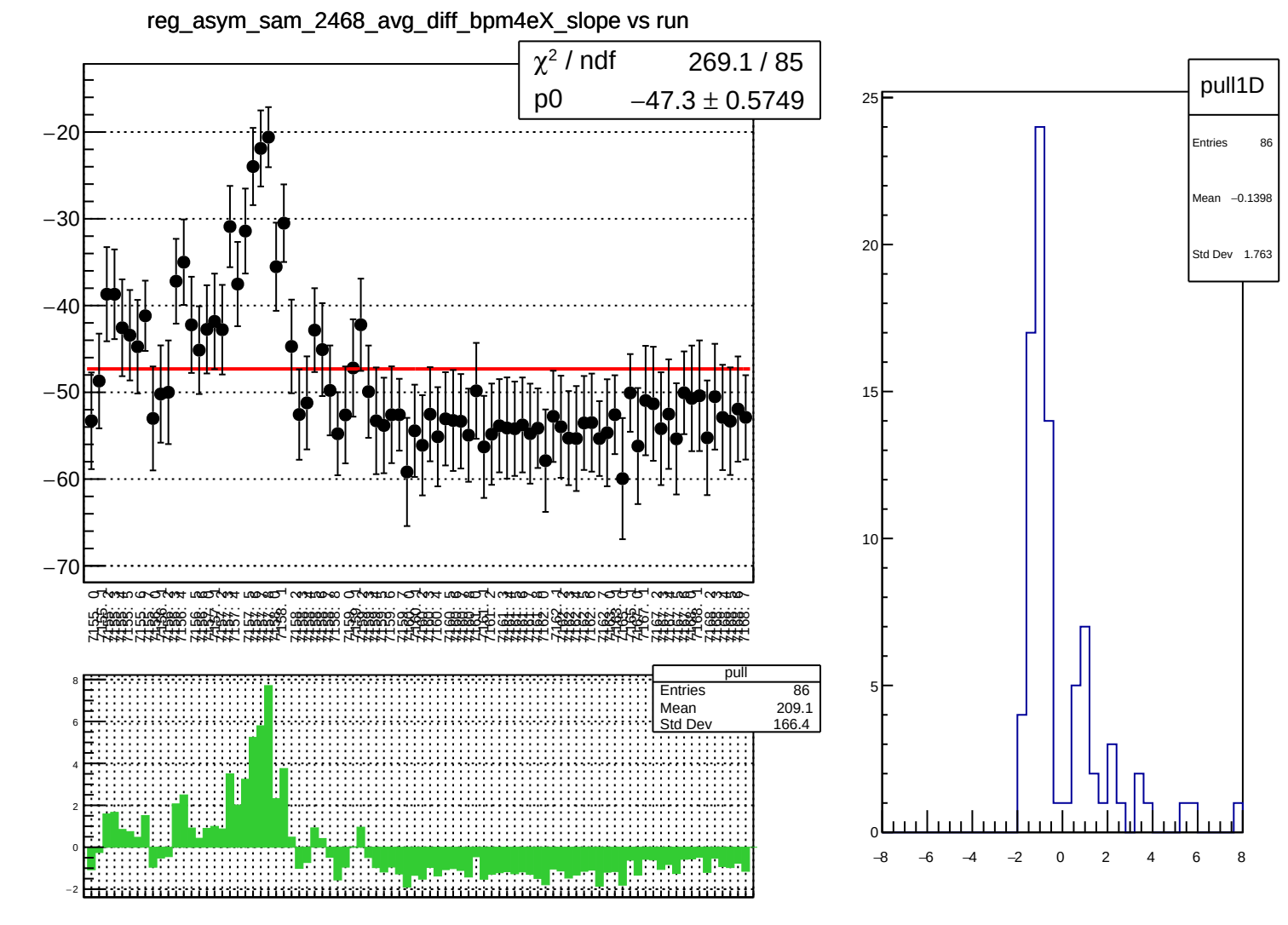

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 19.52 / 85
p0 0.00211 ± 0.0112
pull
Entries 86
Mean −786.2
Std Dev 823.8

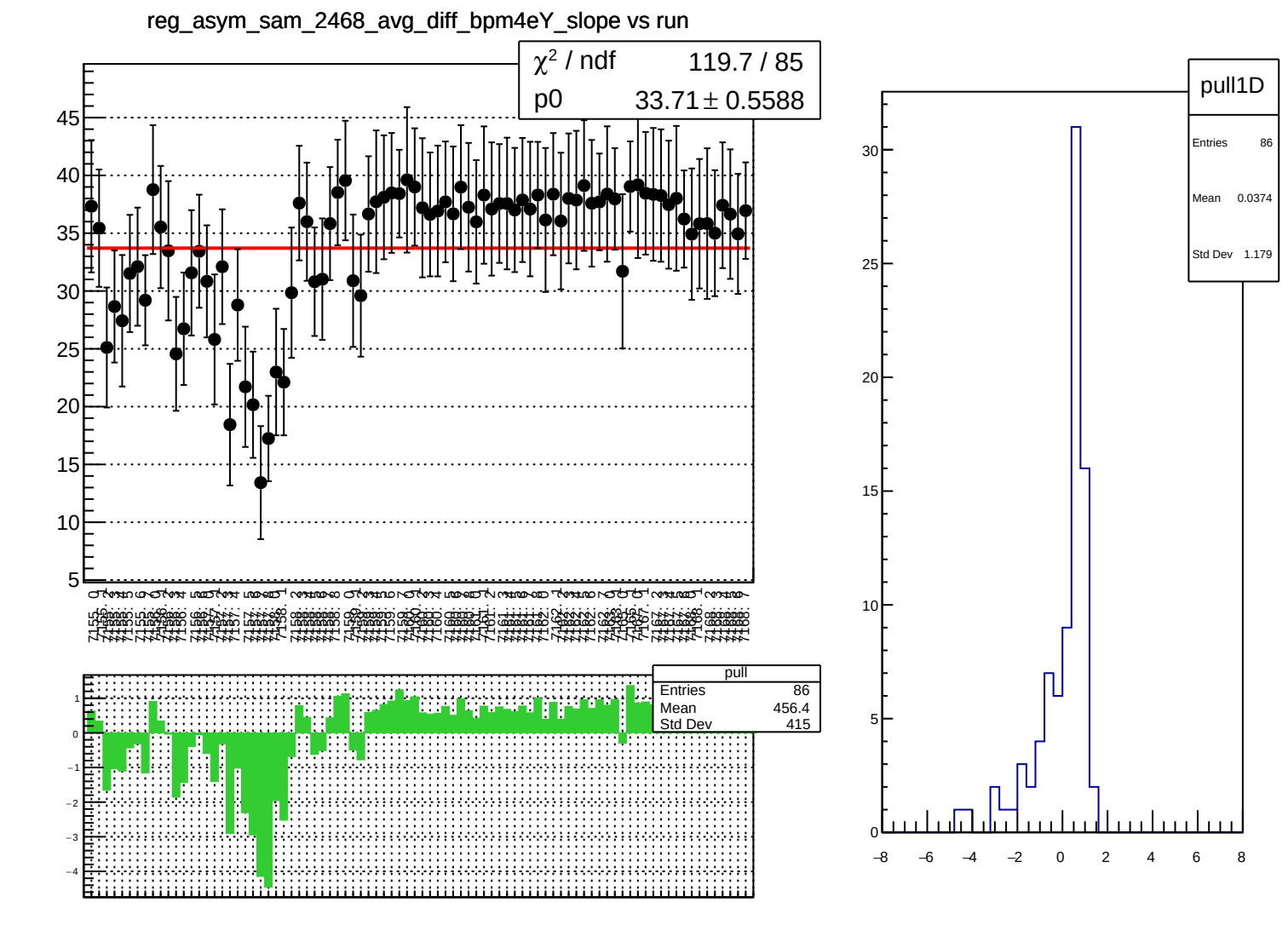

pull1D
Entries 86
Mean −0.005148
Std Dev 0.4765

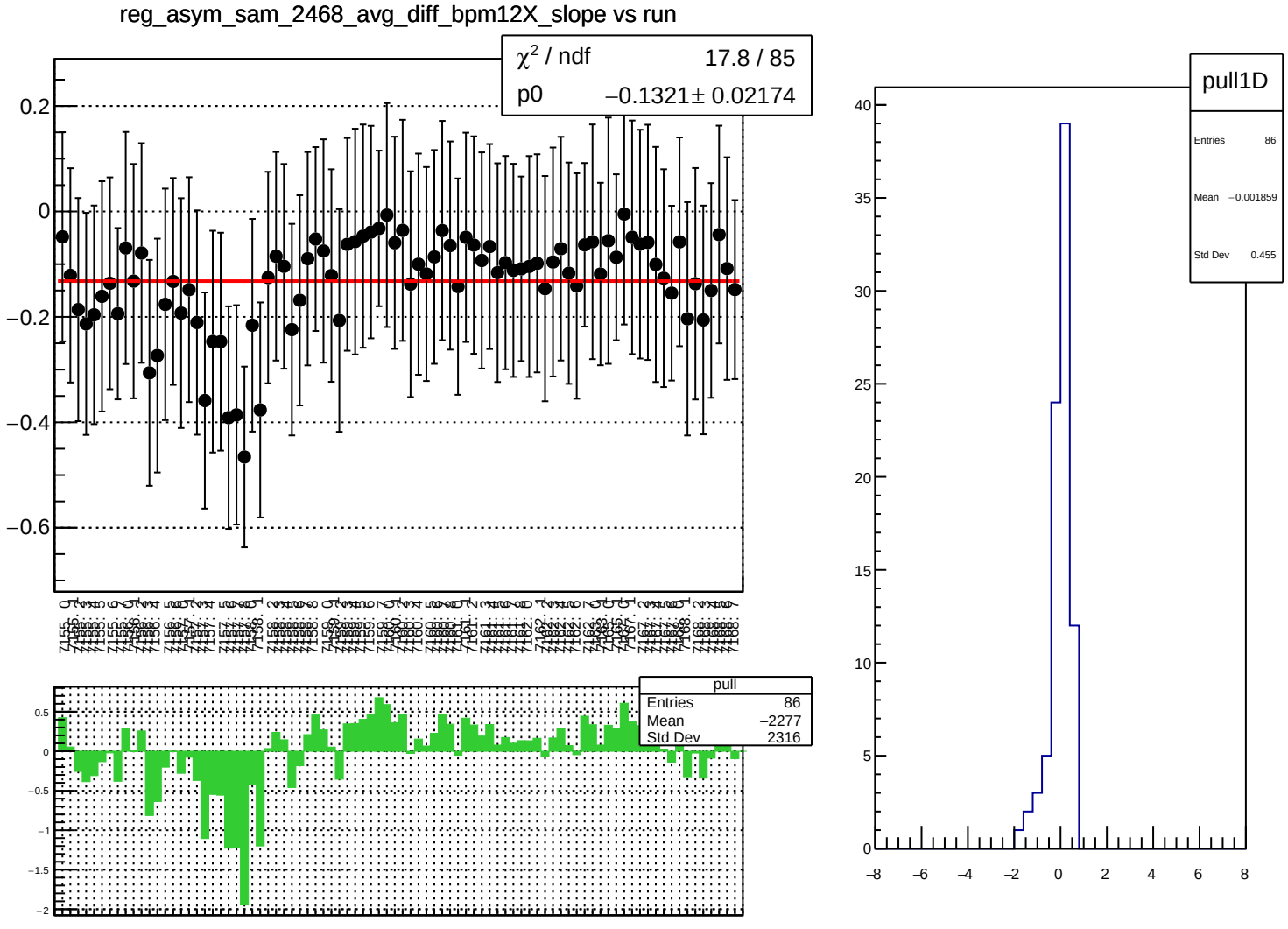

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 319.9 / 85
p0 −16.96 ± 0.5676
pull
Entries 86
Mean 214
Std Dev 171.3
pull1D
Entries 86
Mean 0.2475
Std Dev 1.693

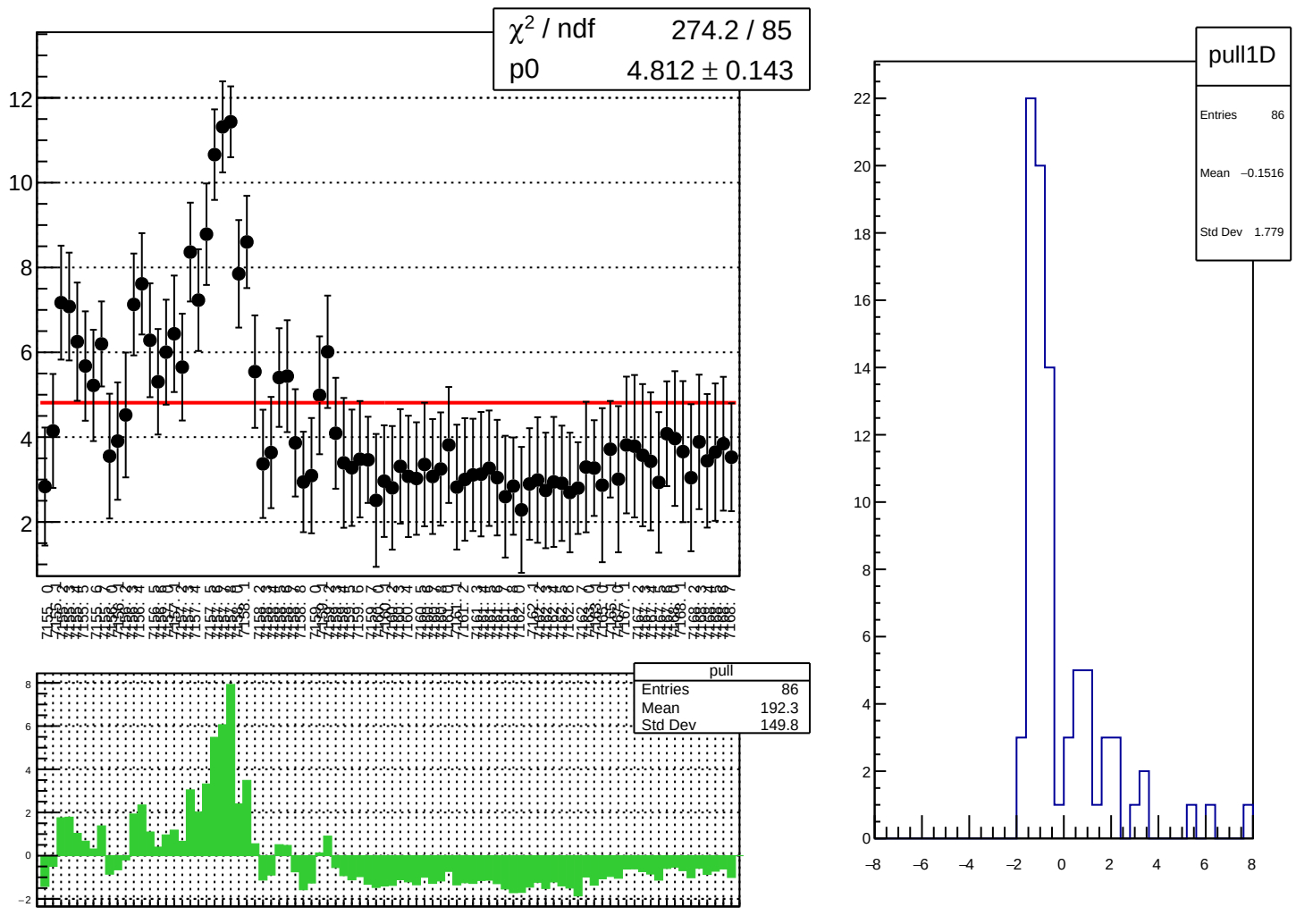

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 128.9 / 85
p0 4.47 ± 0.4806
pull
Entries 86
Mean 1071
Std Dev 1028

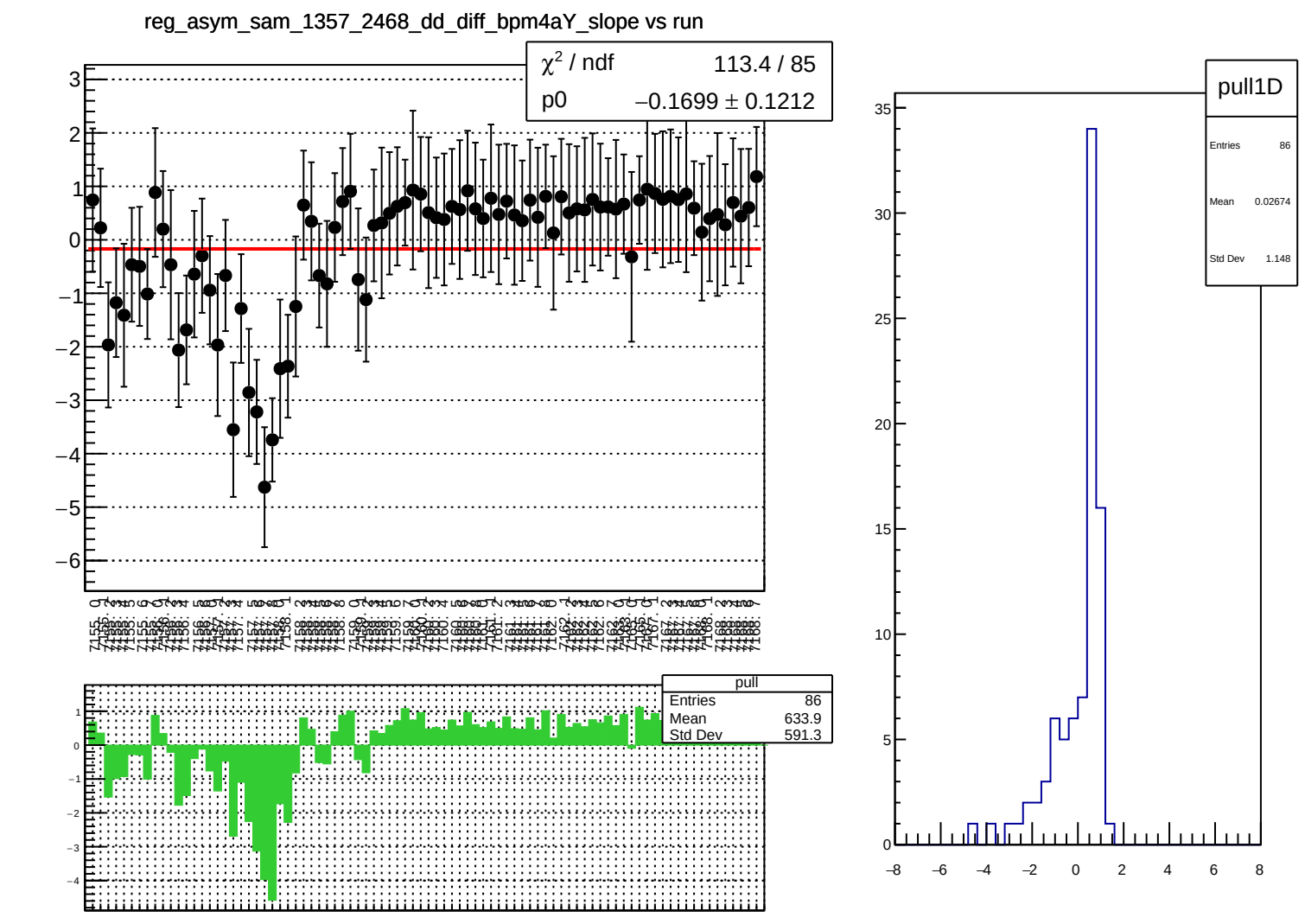

pull1D
Entries 86
Mean −0.01676
Std Dev 1.224

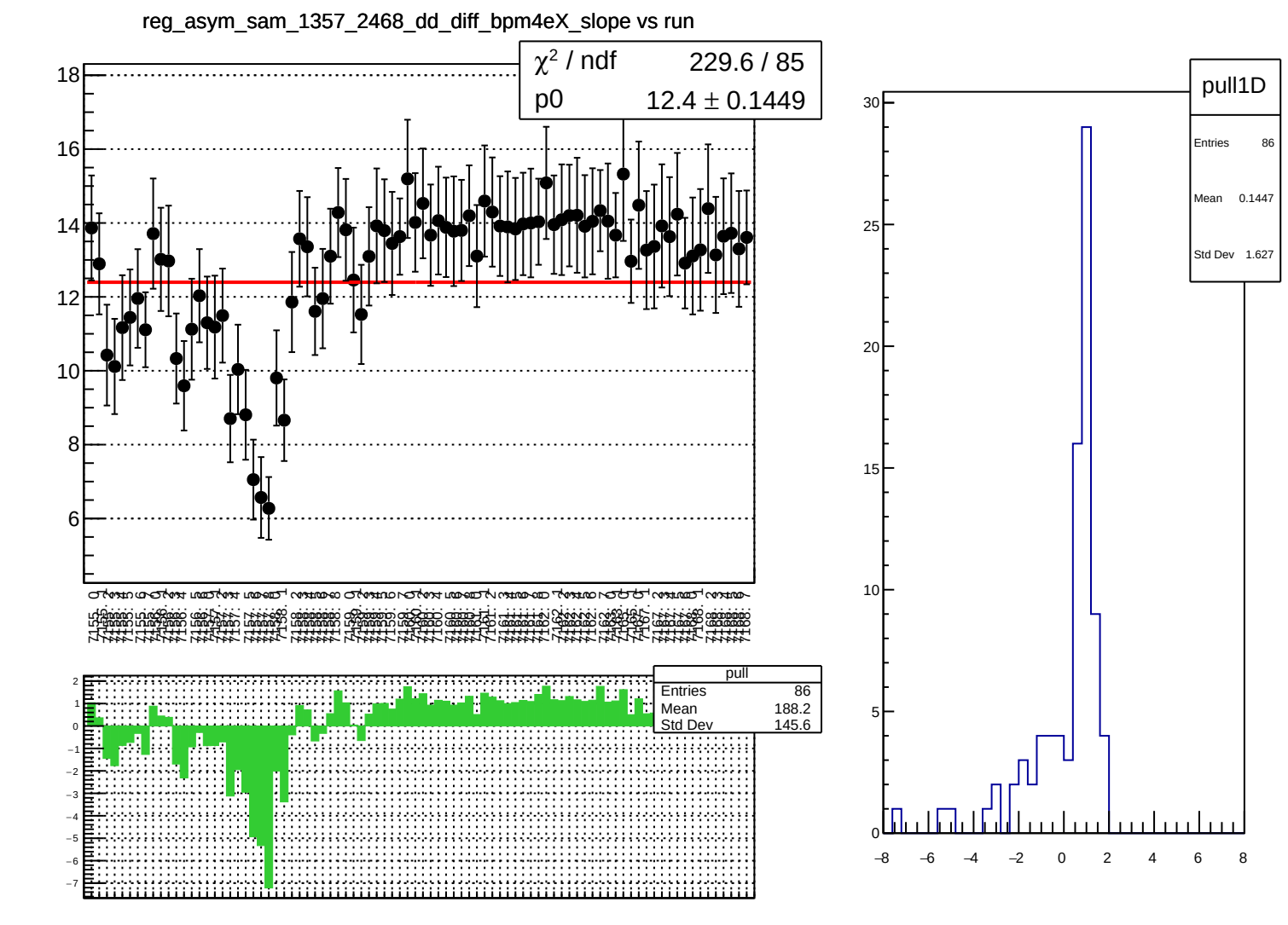

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 269.1 / 85
p0 −47.3 ± 0.5749
pull
Entries 86
Mean 209.1
Std Dev 166.4
pull1D
Entries 86
Mean −0.1398
Std Dev 1.763

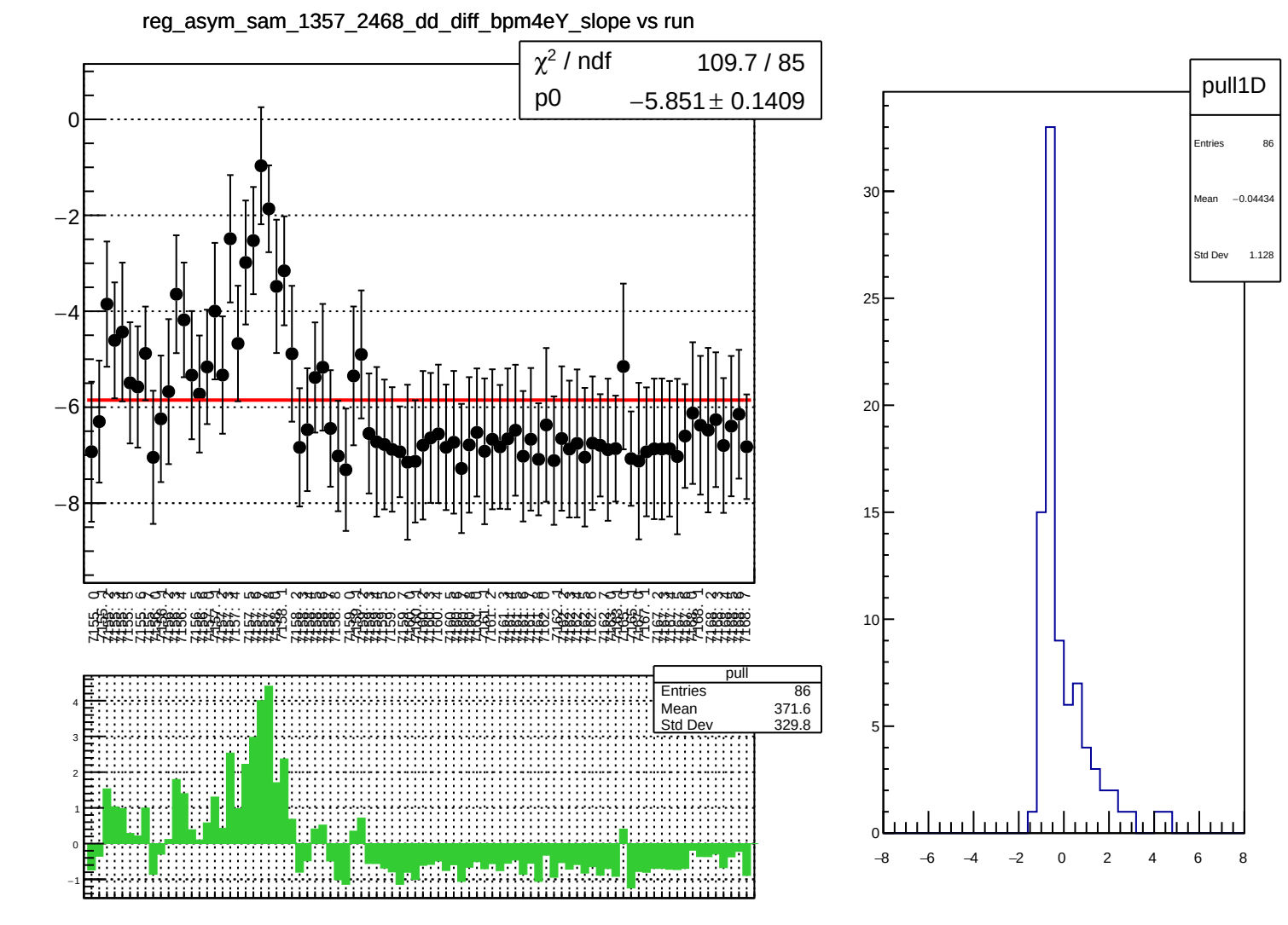

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 119.7 / 85
p0 33.71 ± 0.5588
pull
Entries 86
Mean 456.4
Std Dev 415
pull1D
Entries 86
Mean 0.0374
Std Dev 1.179

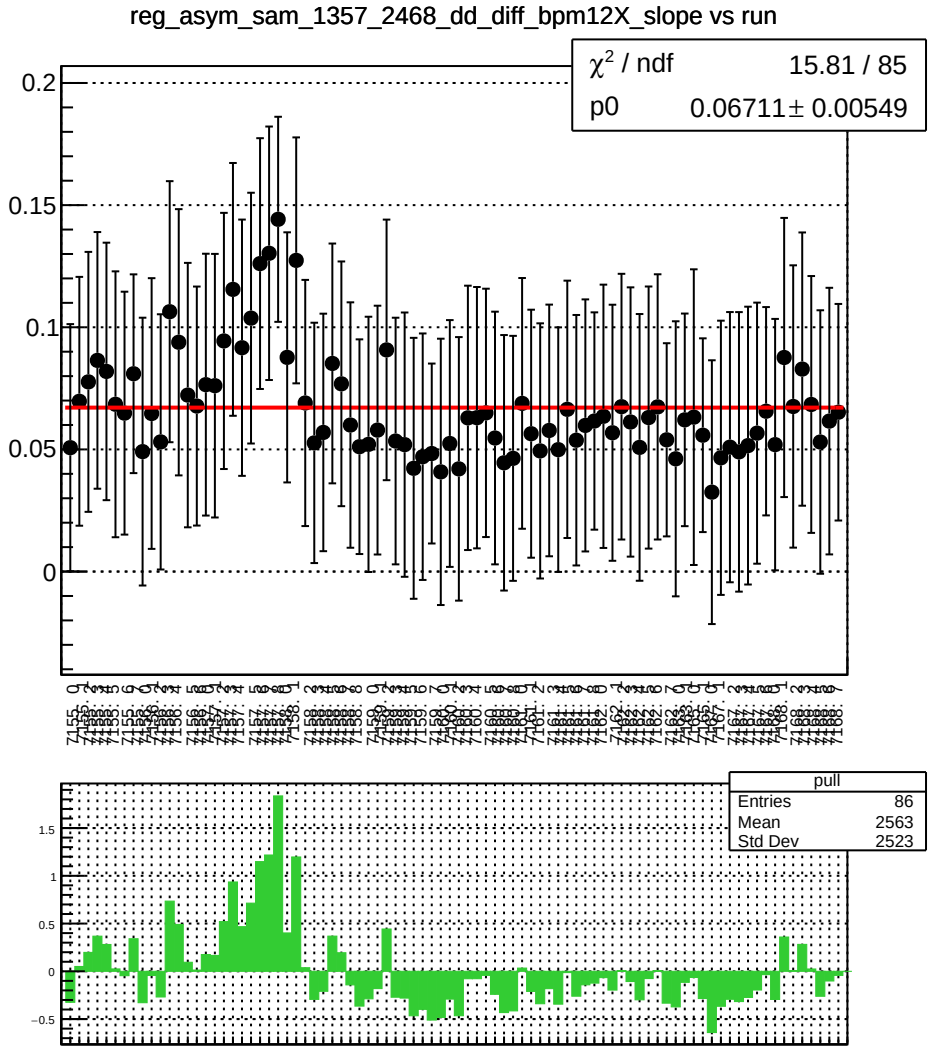

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 17.8 / 85
p0 −0.1321± 0.02174
0.2
0
−0.2
−0.4
−0.6
pull
Entries 86
Mean −2277
Std Dev 2316
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.001859
Std Dev 0.455
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

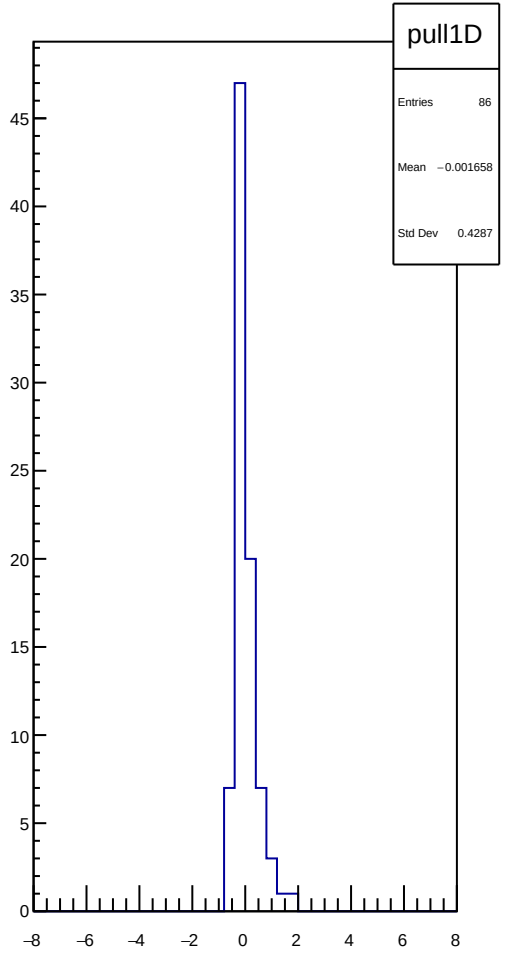

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 274.2 / 85
p0 4.812 ± 0.143
pull
Entries 86
Mean 192.3
Std Dev 149.8
pull1D
Entries 86
Mean −0.1516
Std Dev 1.779

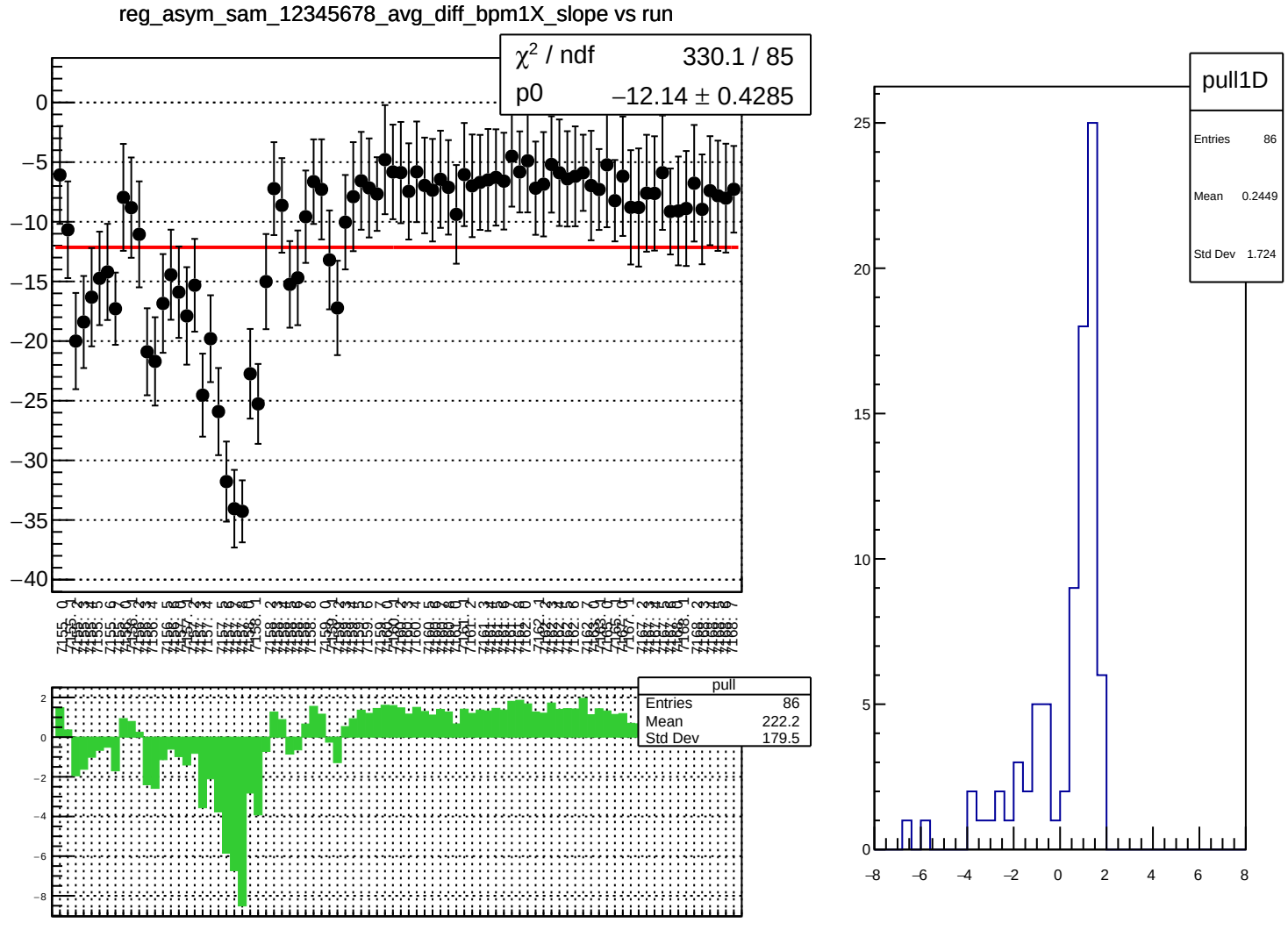

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 113.4 / 85
p0 −0.1699 ± 0.1212
pull
Entries 86
Mean 633.9
Std Dev 591.3
pull1D
Entries 86
Mean 0.02674
Std Dev 1.148

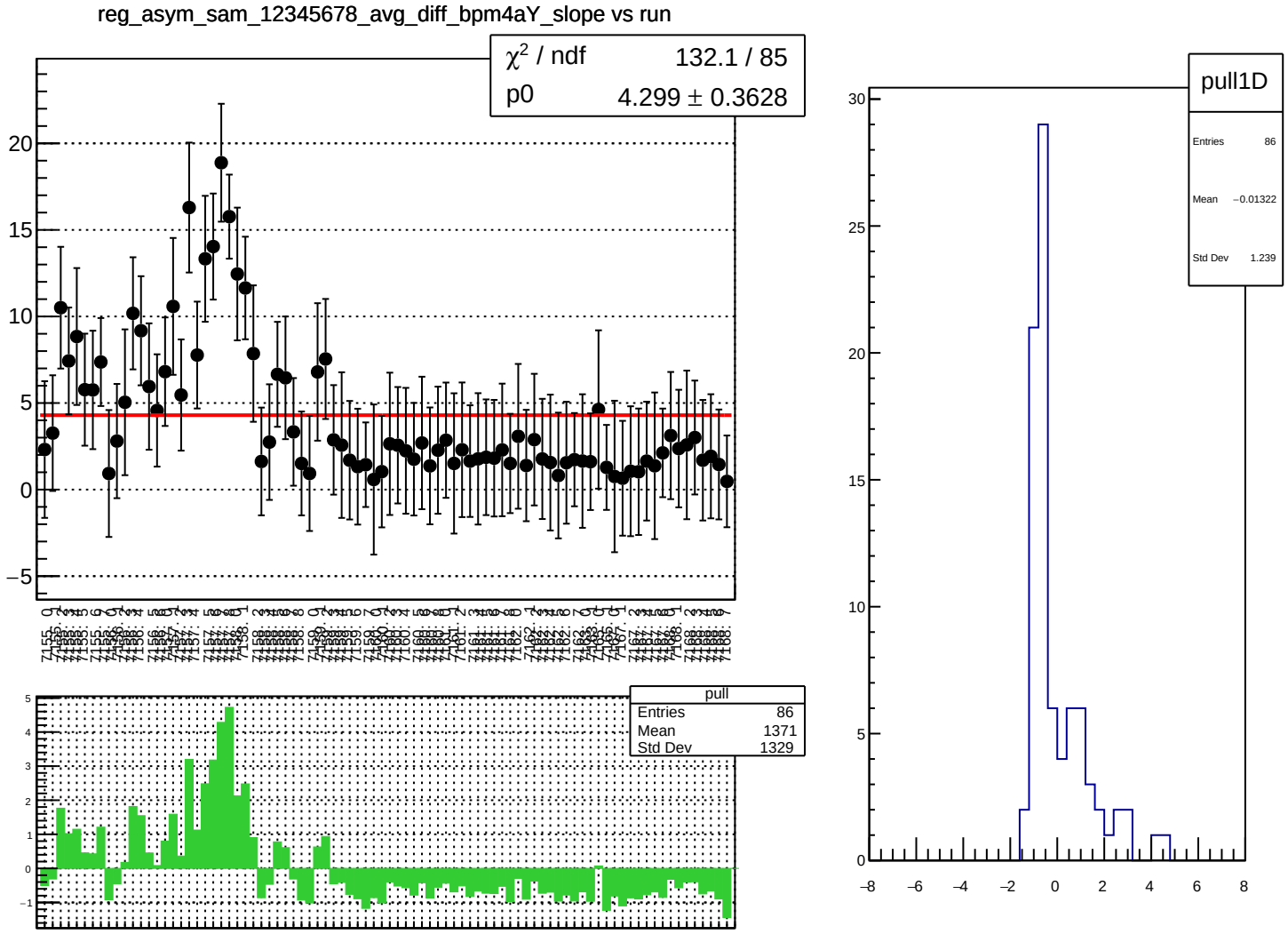

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 229.6 / 85
p0 12.4 ± 0.1449
pull
Entries 86
Mean 188.2
Std Dev 145.6
pull1D
Entries 86
Mean 0.1447
Std Dev 1.627

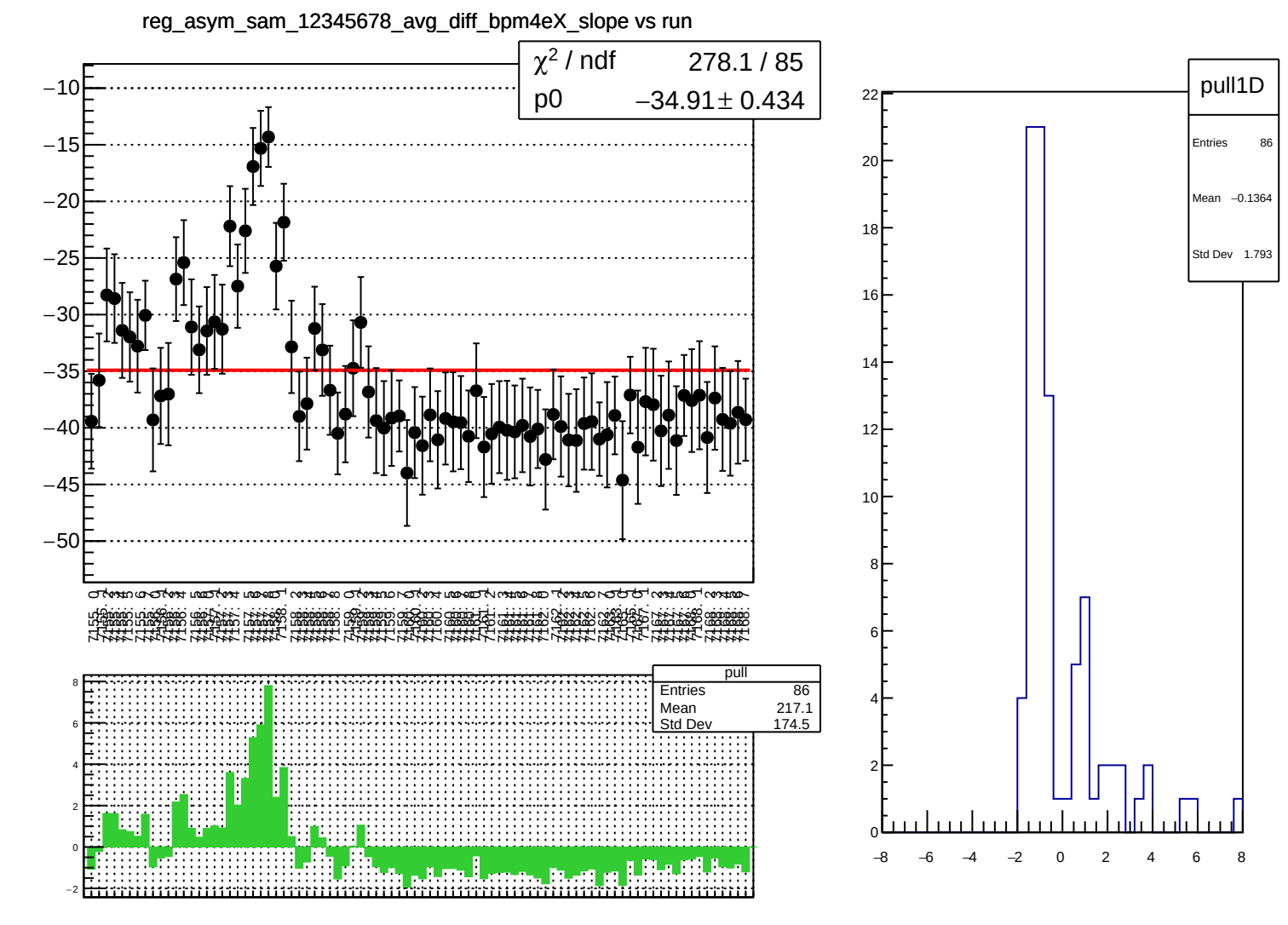

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 109.7 / 85
p0 −5.851 ± 0.1409
pull
Entries 86
Mean 371.6
Std Dev 329.8
pull1D
Entries 86
Mean −0.04434
Std Dev 1.128

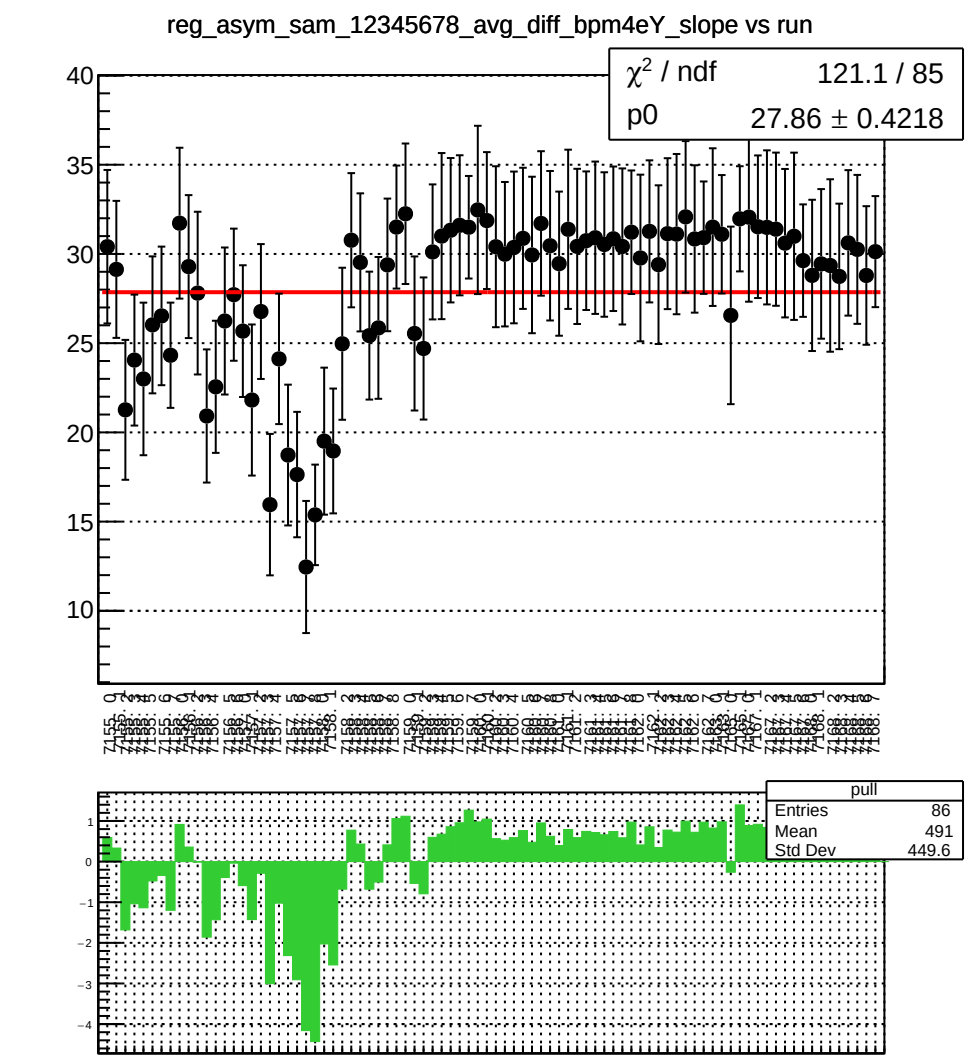

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 15.81 / 85
p0 0.06711 ± 0.00549
pull
Entries 86
Mean 2563
Std Dev 2523

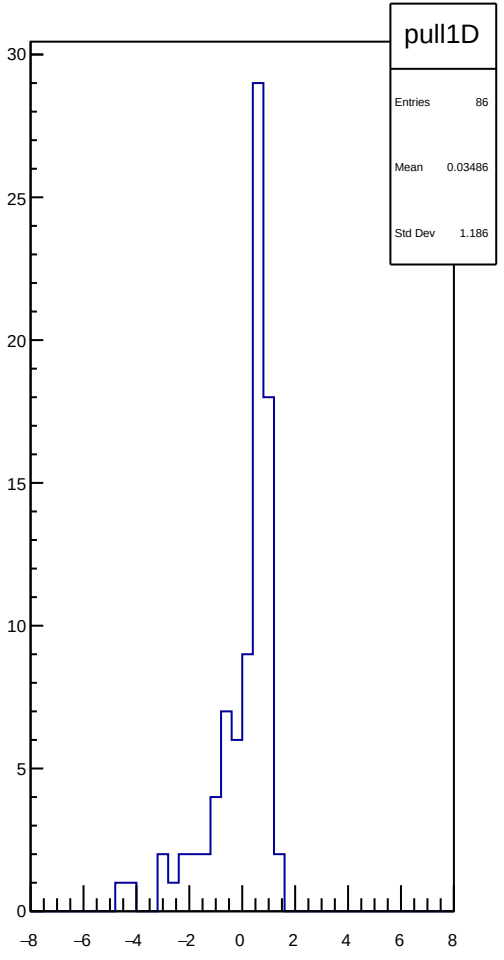

pull1D
Entries 86
Mean −0.001658
Std Dev 0.4287

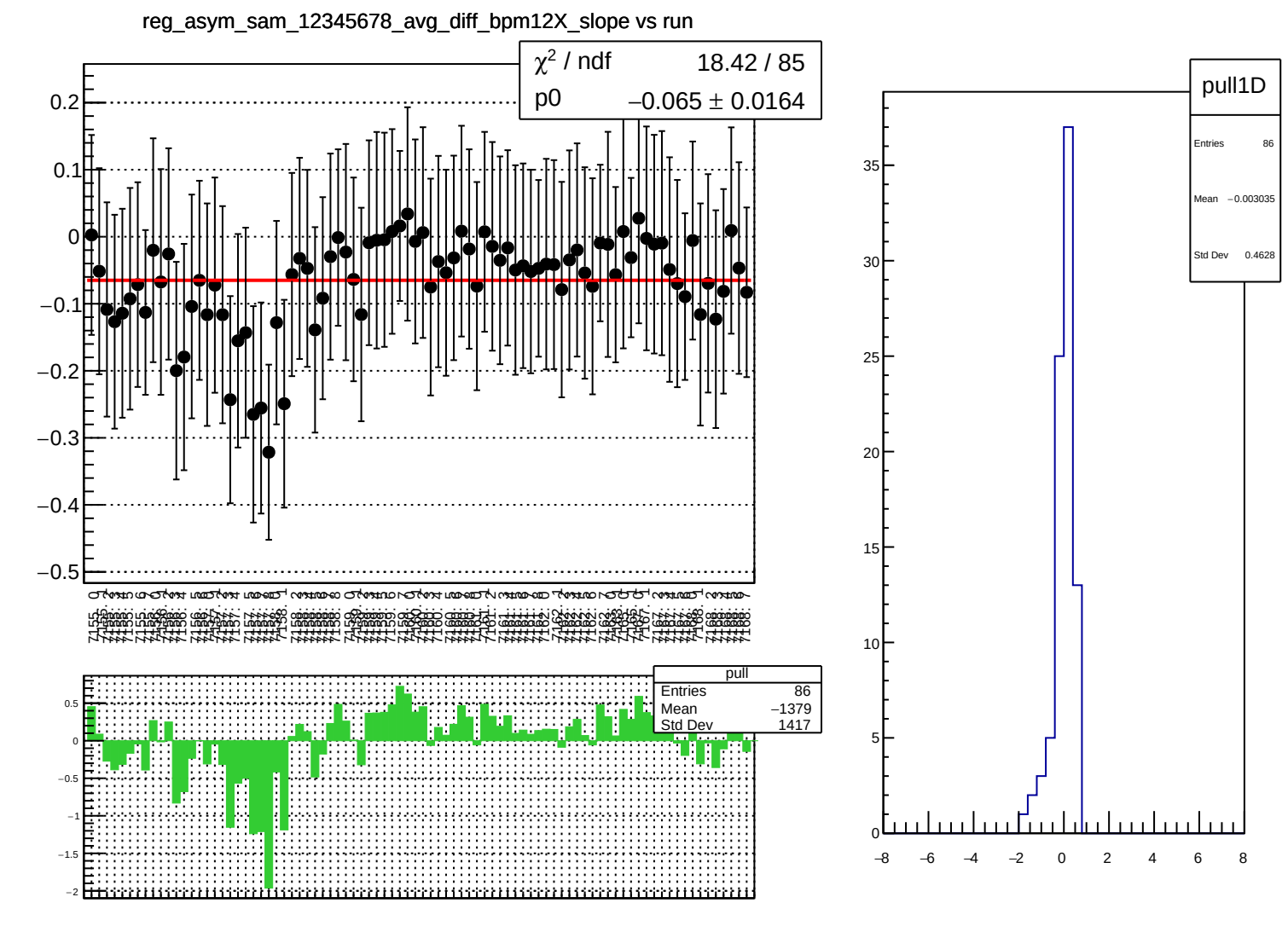

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 330.1 / 85
p0 −12.14 ± 0.4285
pull
Entries 86
Mean 222.2
Std Dev 179.5
pull1D
Entries 86
Mean 0.2449
Std Dev 1.724

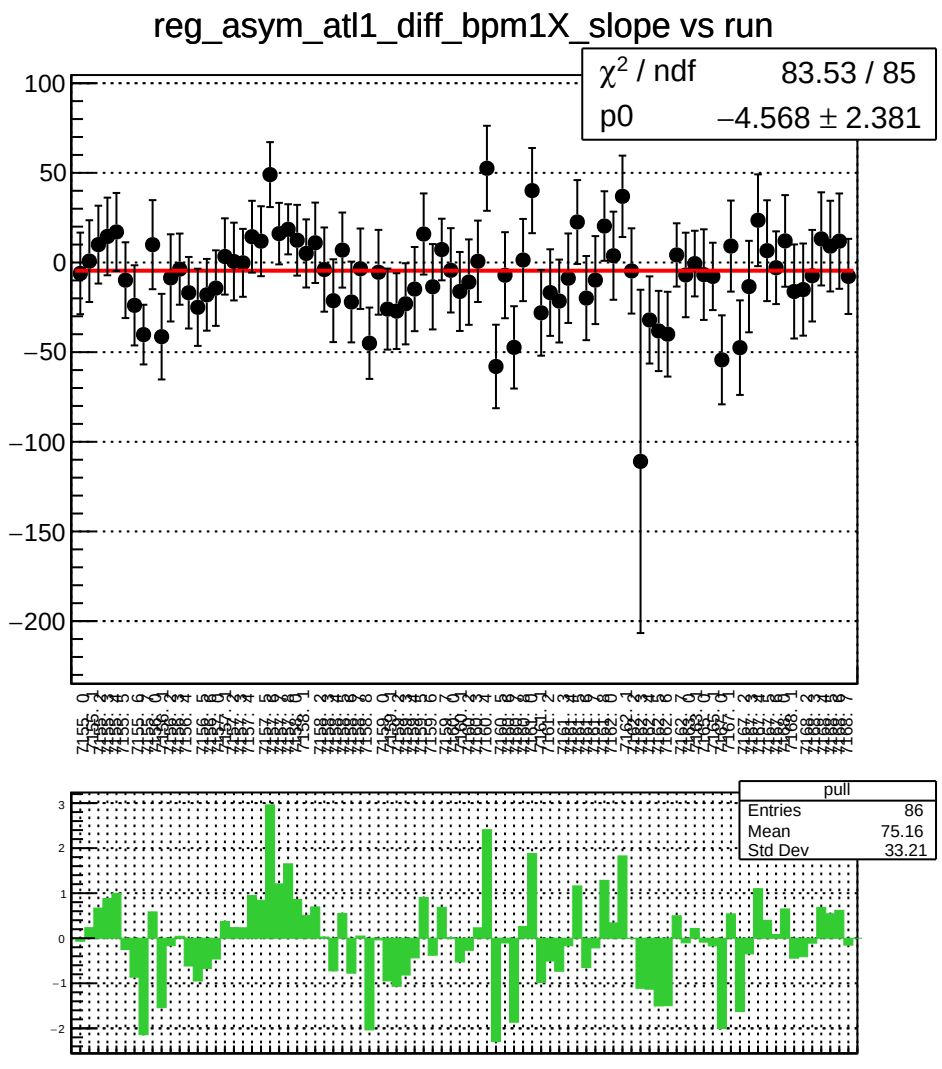

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 132.1 / 85
p0 4.299 ± 0.3628
pull
Entries 86
Mean 1371
Std Dev 1329
pull1D
Entries 86
Mean −0.01322
Std Dev 1.239

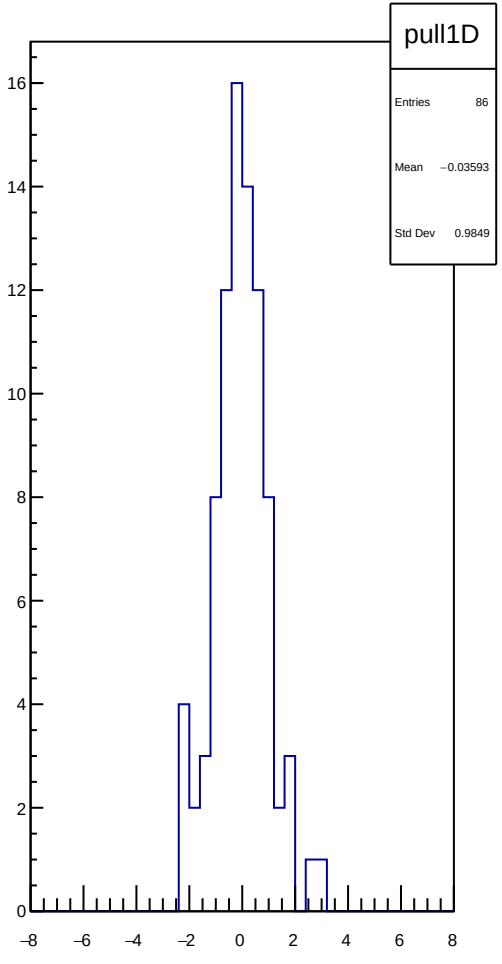

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 278.1 / 85
p0 −34.91 ± 0.434
pull
Entries 86
Mean 217.1
Std Dev 174.5
pull1D
Entries 86
Mean −0.1364
Std Dev 1.793

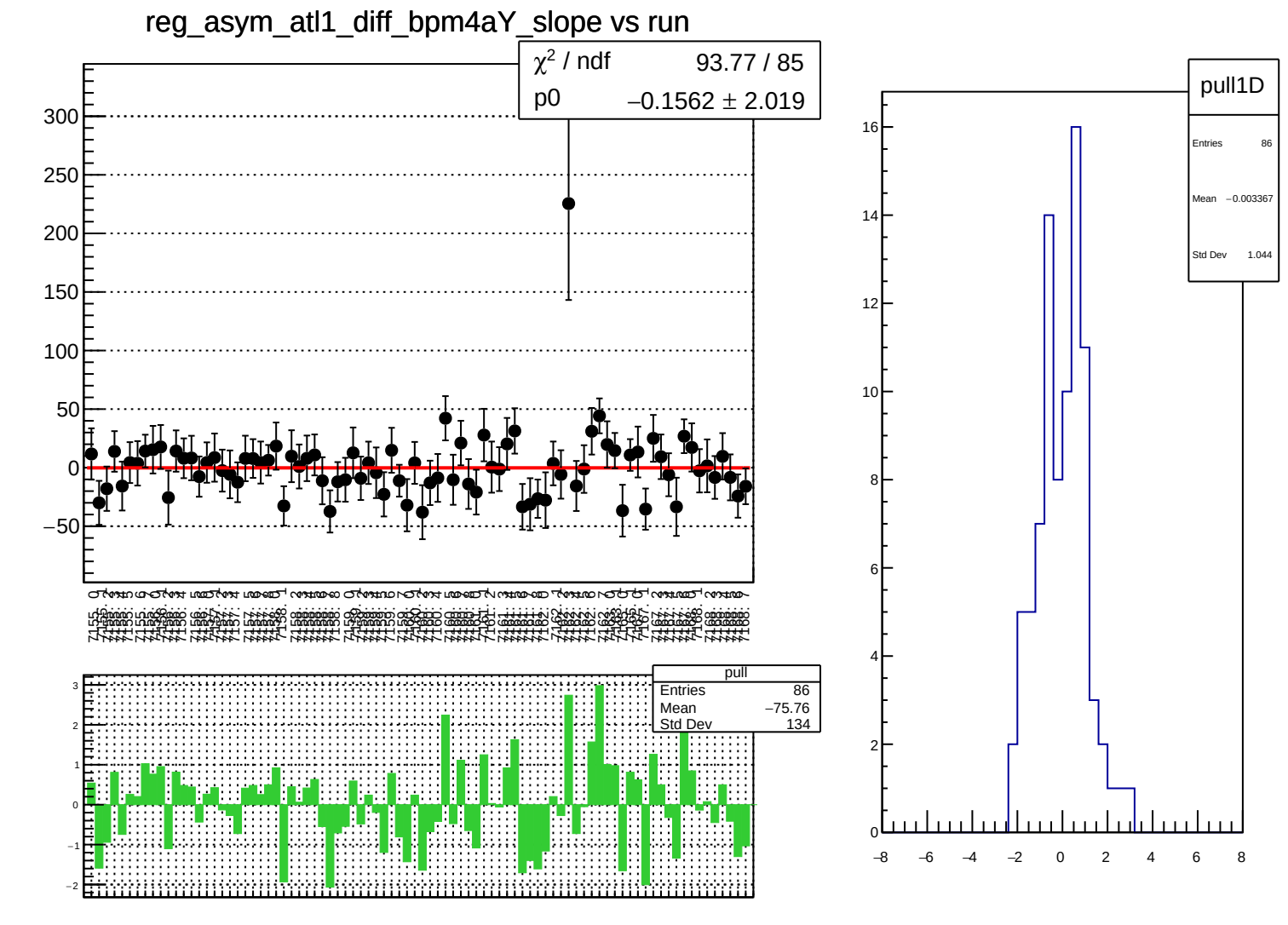

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 121.1 / 85
p0 27.86 ± 0.4218
pull
Entries 86
Mean 491
Std Dev 449.6

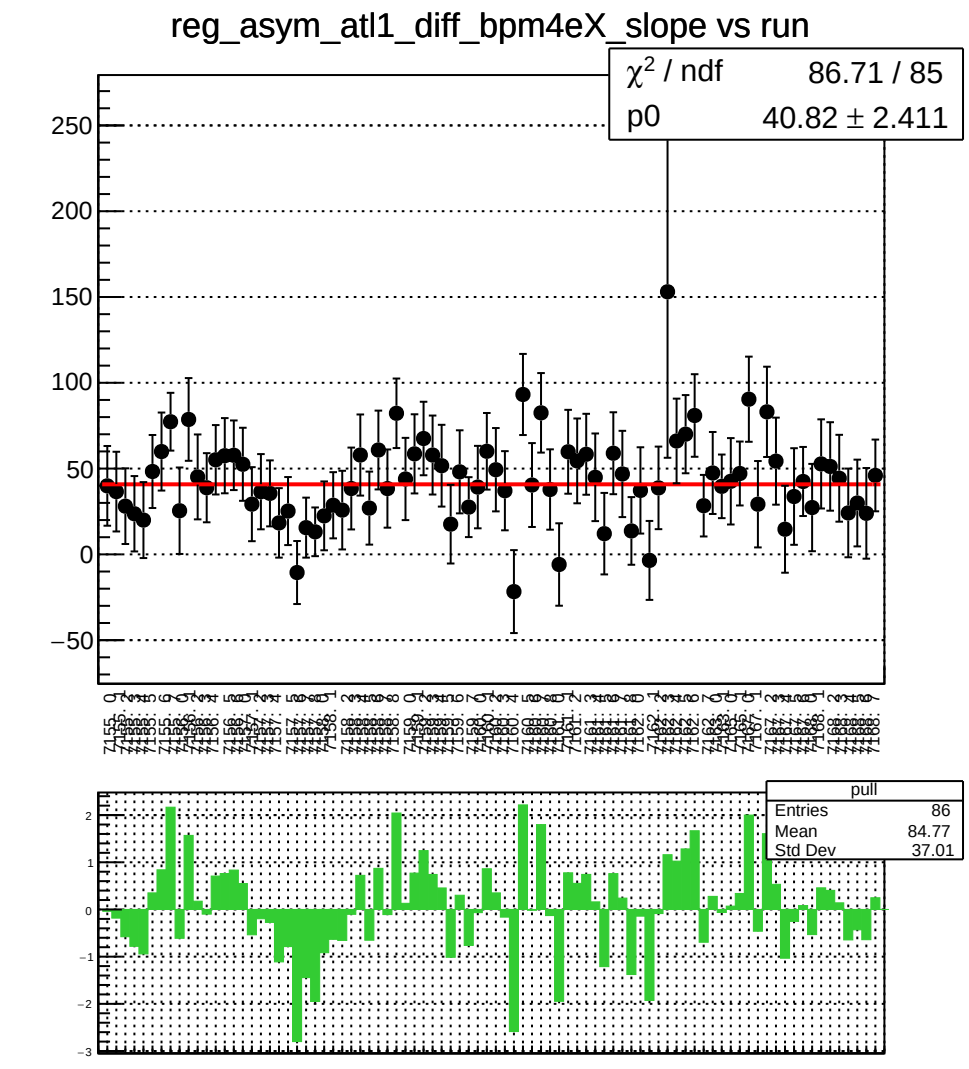

pull1D
Entries 86
Mean 0.03486
Std Dev 1.186

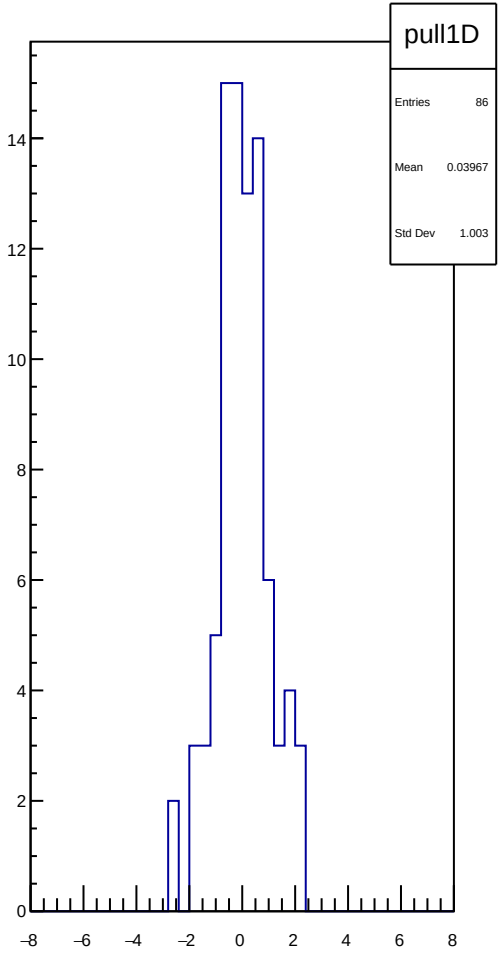

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 18.42 / 85
p0 −0.065 ± 0.0164
pull
Entries 86
Mean −1379
Std Dev 1417
pull1D
Entries 86
Mean −0.003035
Std Dev 0.4628

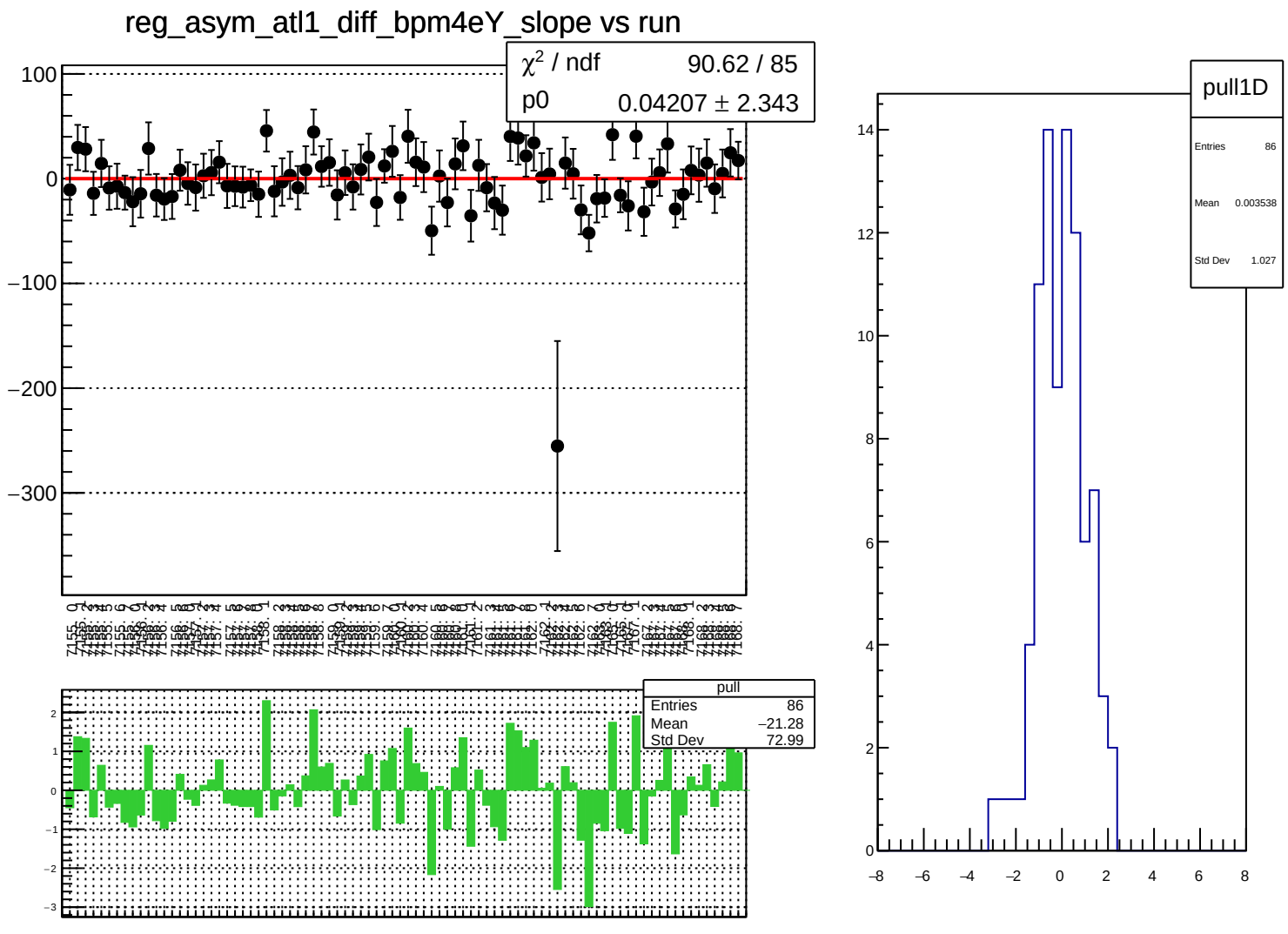

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 83.53 / 85
p0 −4.568 ± 2.381
pull
Entries 86
Mean 75.16
Std Dev 33.21

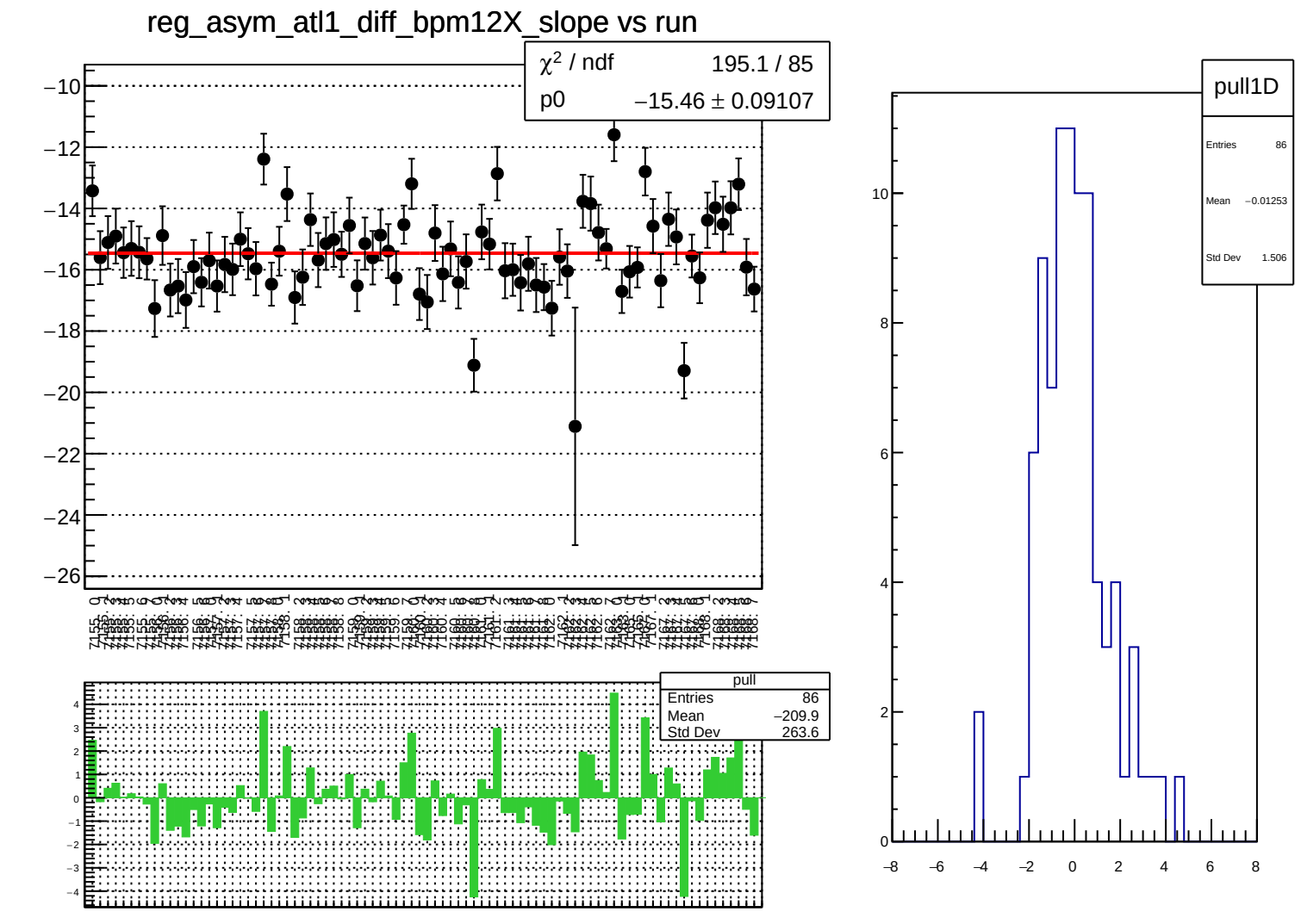

pull1D
Entries 86
Mean −0.03593
Std Dev 0.9849

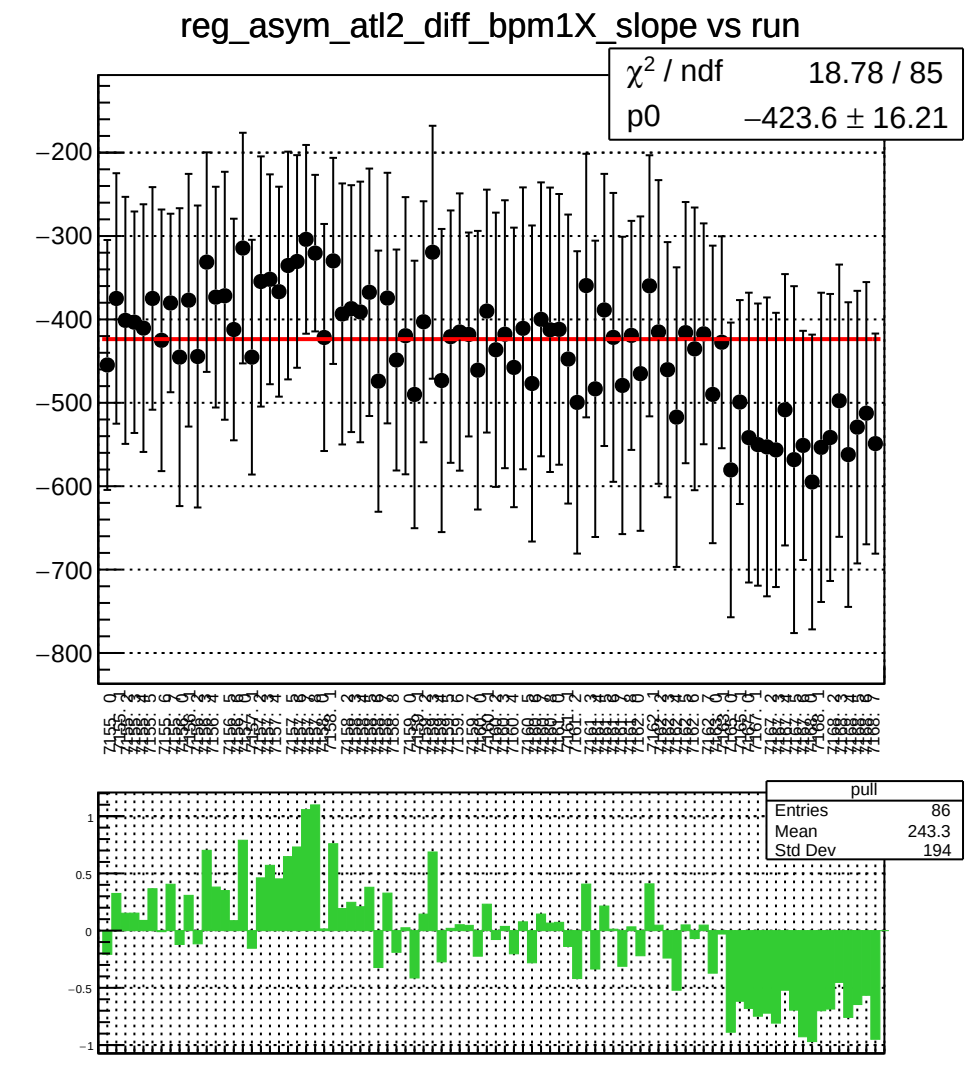

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 93.77 / 85
p0 −0.1562 ± 2.019
300
250
200
150
100
50
0
−50
pull
Entries 86
Mean −75.76
Std Dev 134
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.003367
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

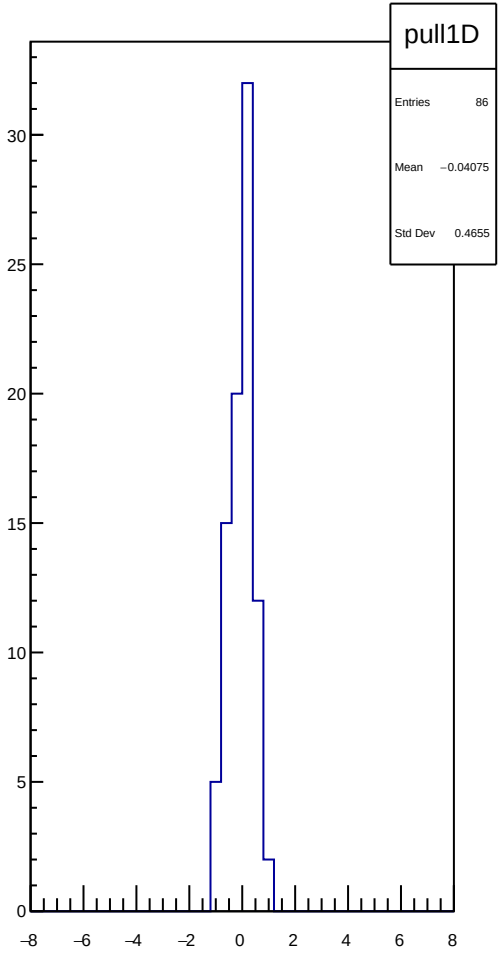

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 86.71 / 85
p0 40.82 ± 2.411
pull
Entries 86
Mean 84.77
Std Dev 37.01

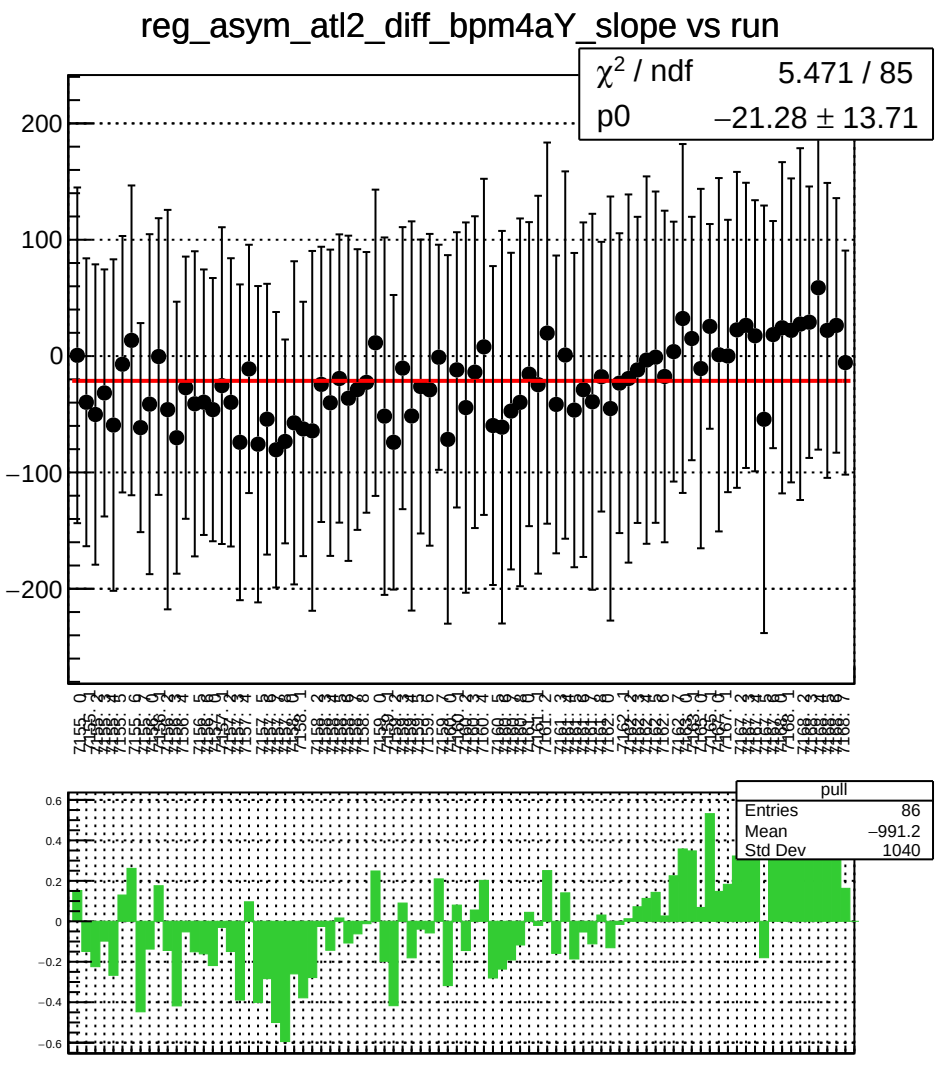

pull1D
Entries 86
Mean 0.03967
Std Dev 1.003

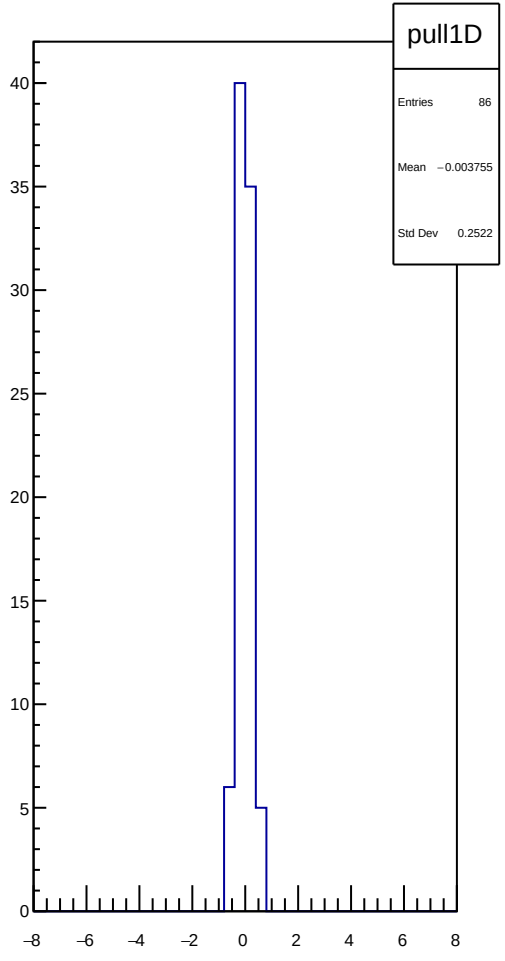

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 90.62 / 85
p0 0.04207 ± 2.343
100
0
−100
−200
−300
pull
Entries 86
Mean −21.28
Std Dev 72.99
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.003538
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

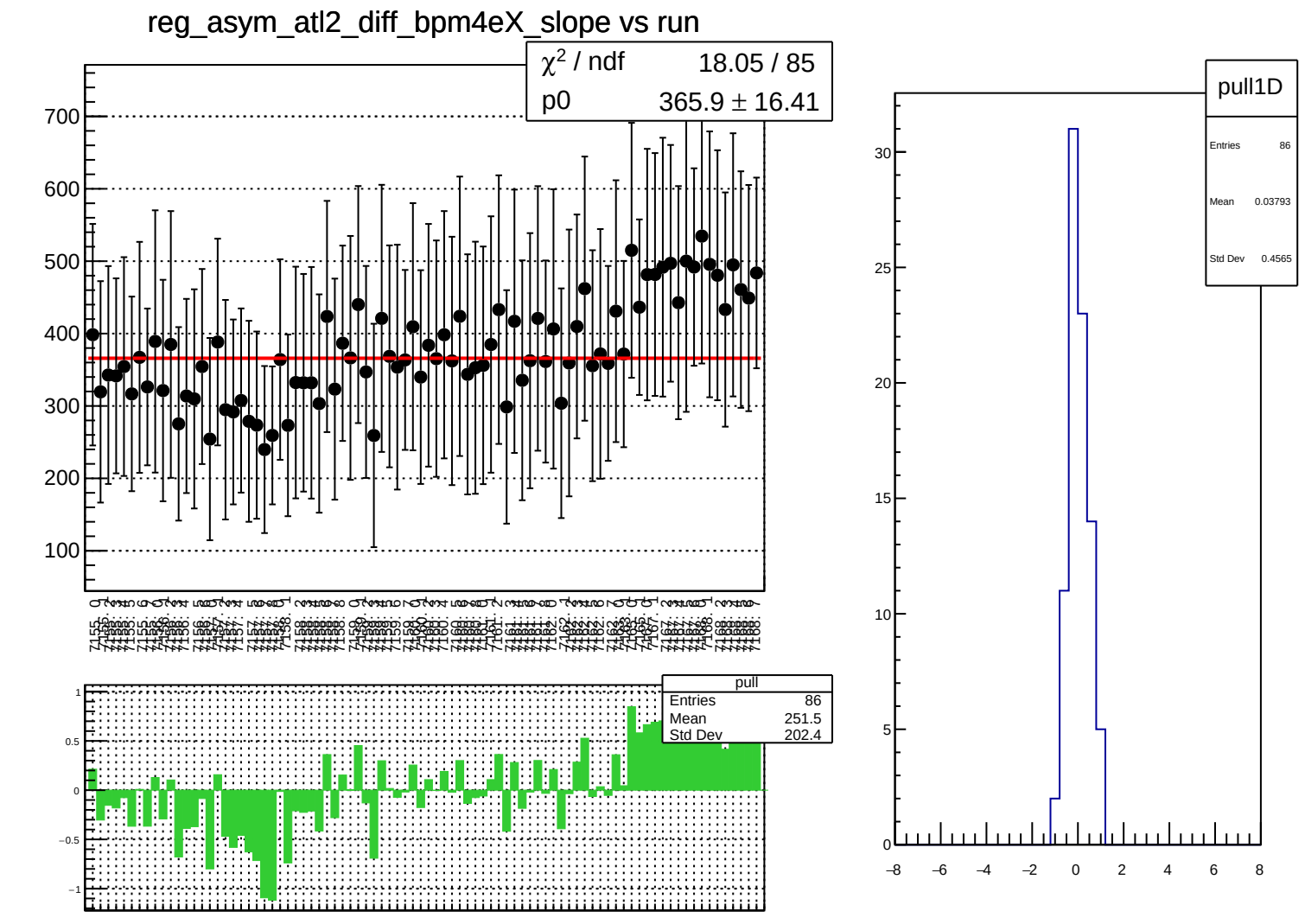

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 195.1 / 85
p0 −15.46 ± 0.09107
pull
Entries 86
Mean −209.9
Std Dev 263.6
pull1D
Entries 86
Mean −0.01253
Std Dev 1.506

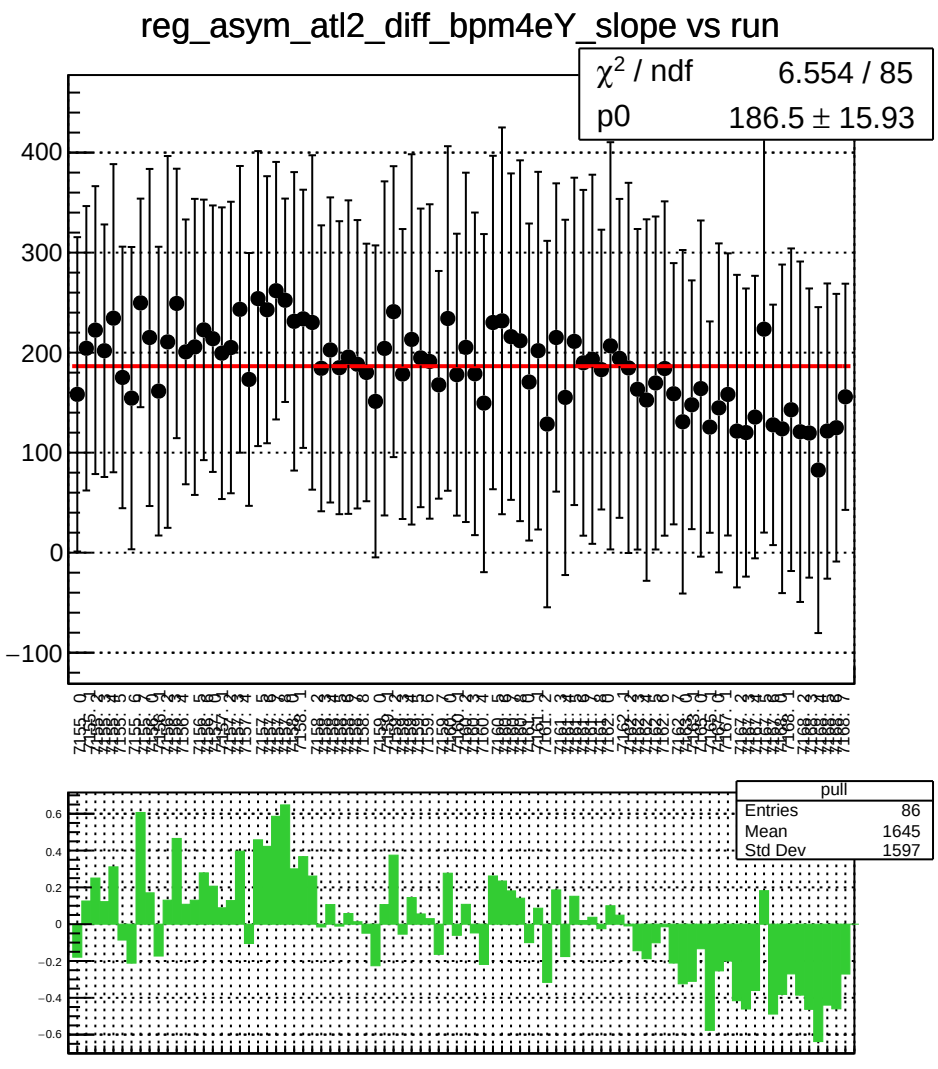

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 18.78 / 85
p0 −423.6 ± 16.21
pull
Entries 86
Mean 243.3
Std Dev 194

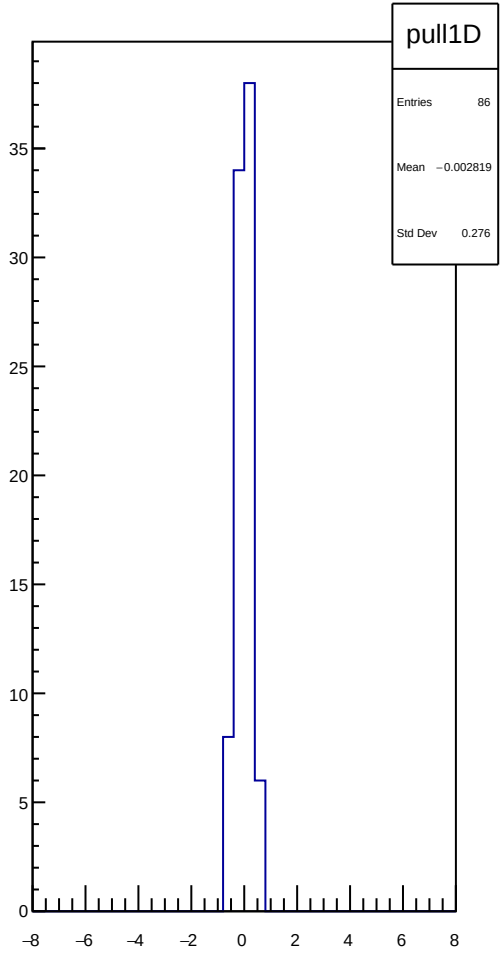

pull1D
Entries 86
Mean −0.04075
Std Dev 0.4655

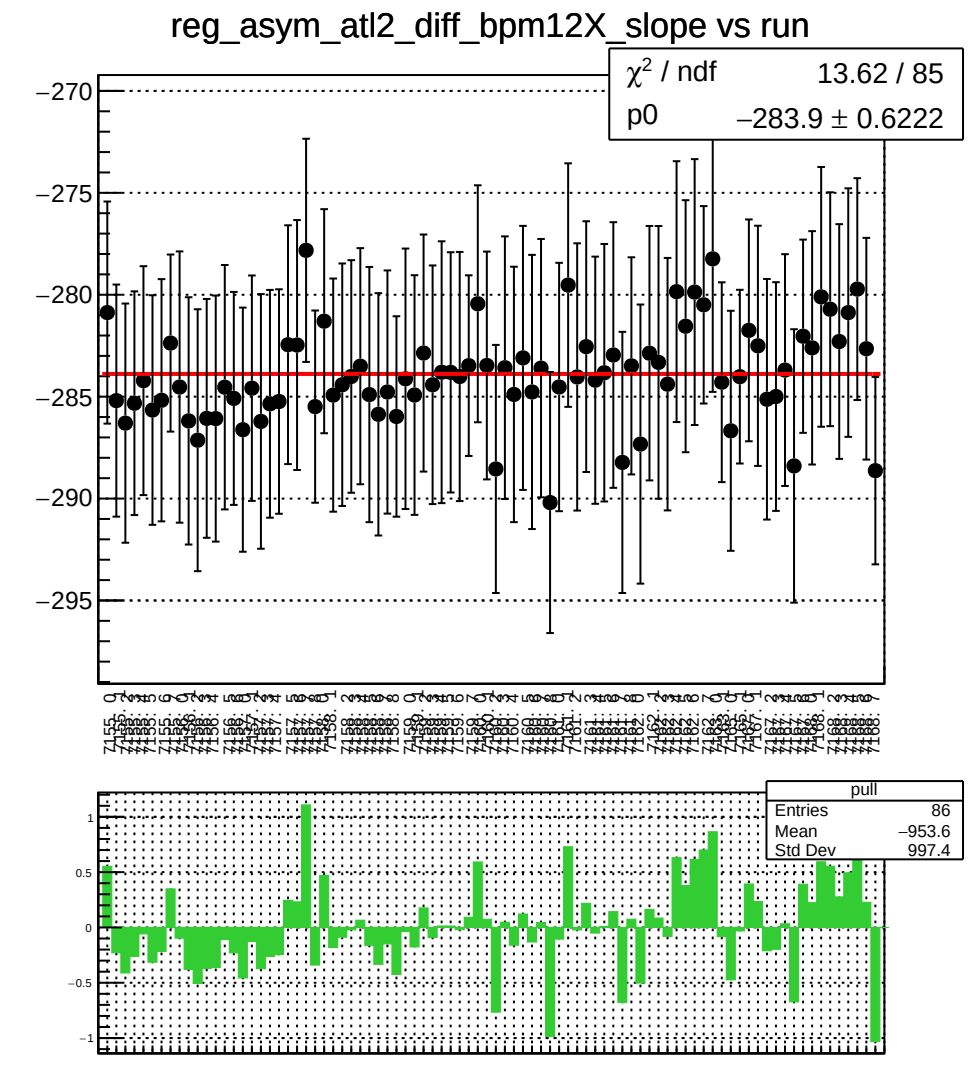

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.471 / 85
p0 −21.28 ± 13.71
200
100
0
−100
−200
pull
Entries 86
Mean −991.2
Std Dev 1040
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

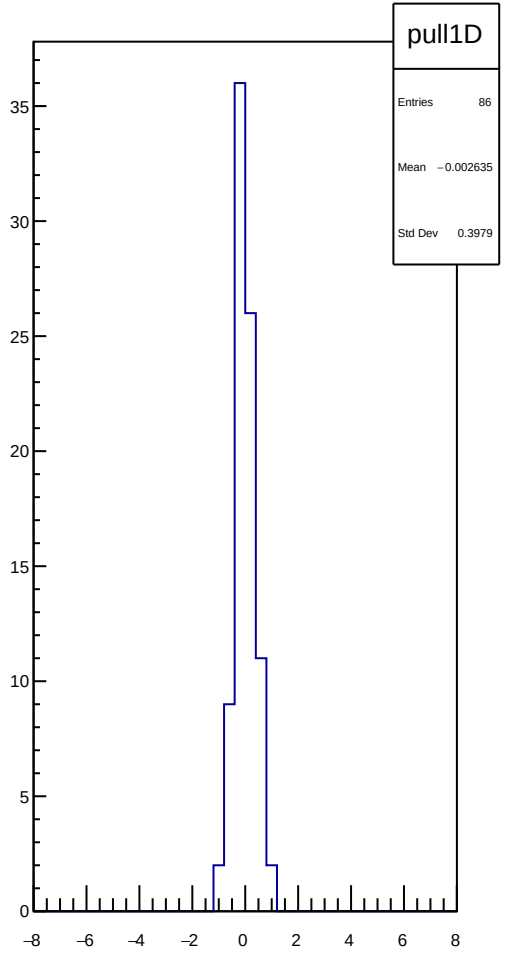

pull1D
Entries 86
Mean −0.003755
Std Dev 0.2522
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

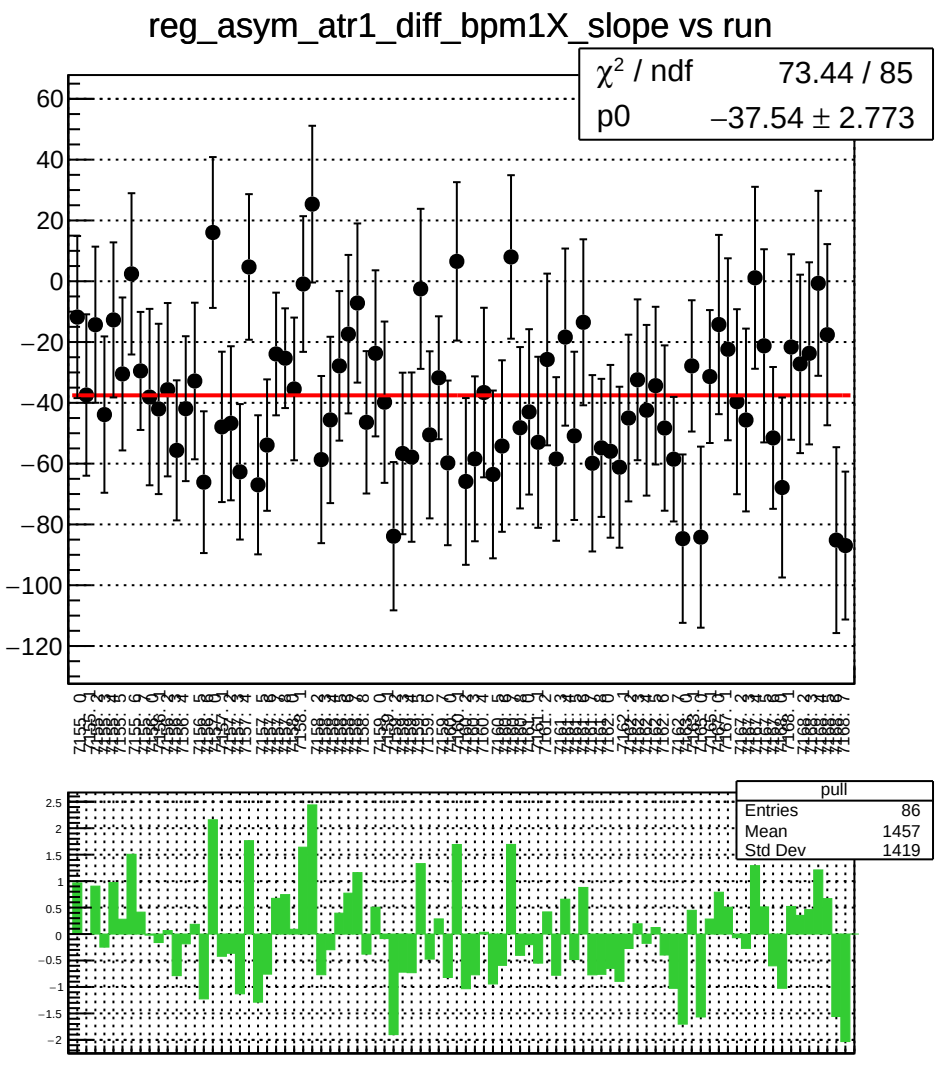

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 18.05 / 85
p0 365.9 ± 16.41
700
600
500
400
300
200
100
pull
Entries 86
Mean 251.5
Std Dev 202.4
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean 0.03793
Std Dev 0.4565
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

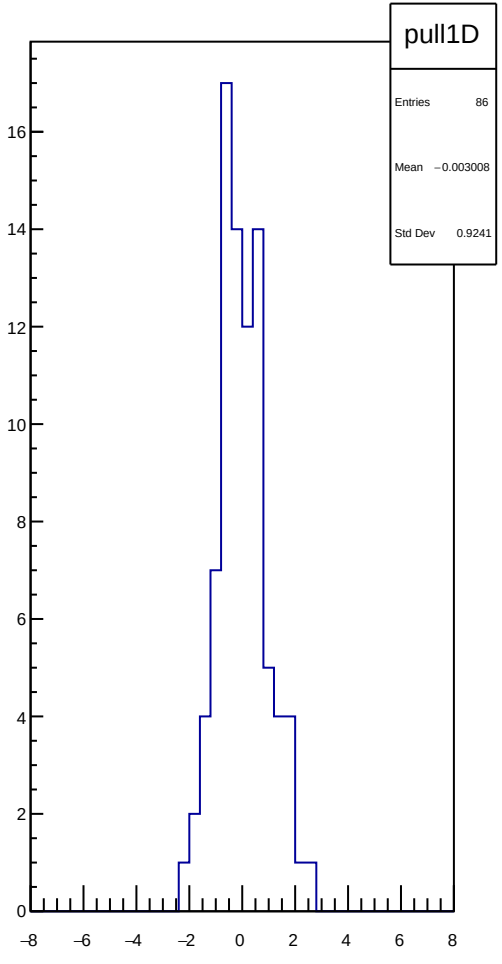

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.554 / 85
p0 186.5 ± 15.93
400
300
200
100
0
−100
pull
Entries 86
Mean 1645
Std Dev 1597
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

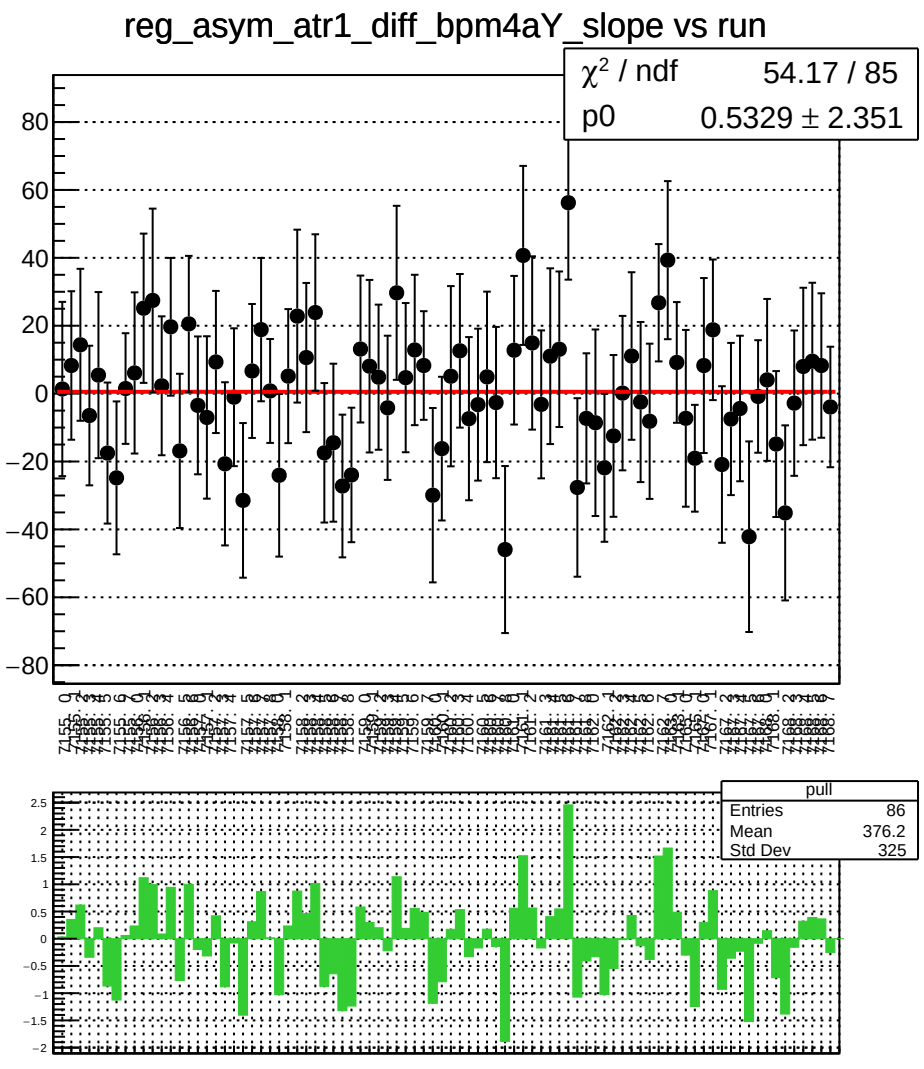

pull1D
Entries 86
Mean −0.002819
Std Dev 0.276
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

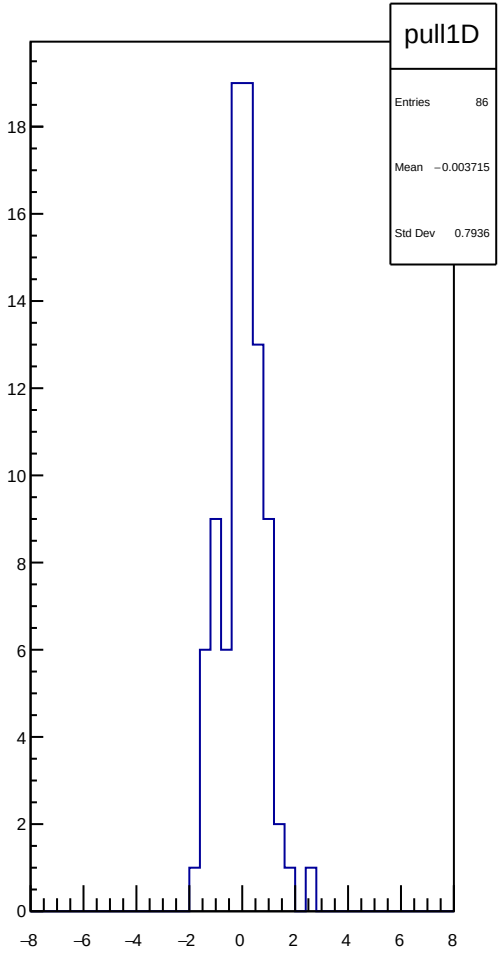

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 13.62 / 85
p0 −283.9 ± 0.6222
−270
−275
−280
−285
−290
−295
pull
Entries 86
Mean −953.6
Std Dev 997.4
1
0.5
0
−0.5
−1

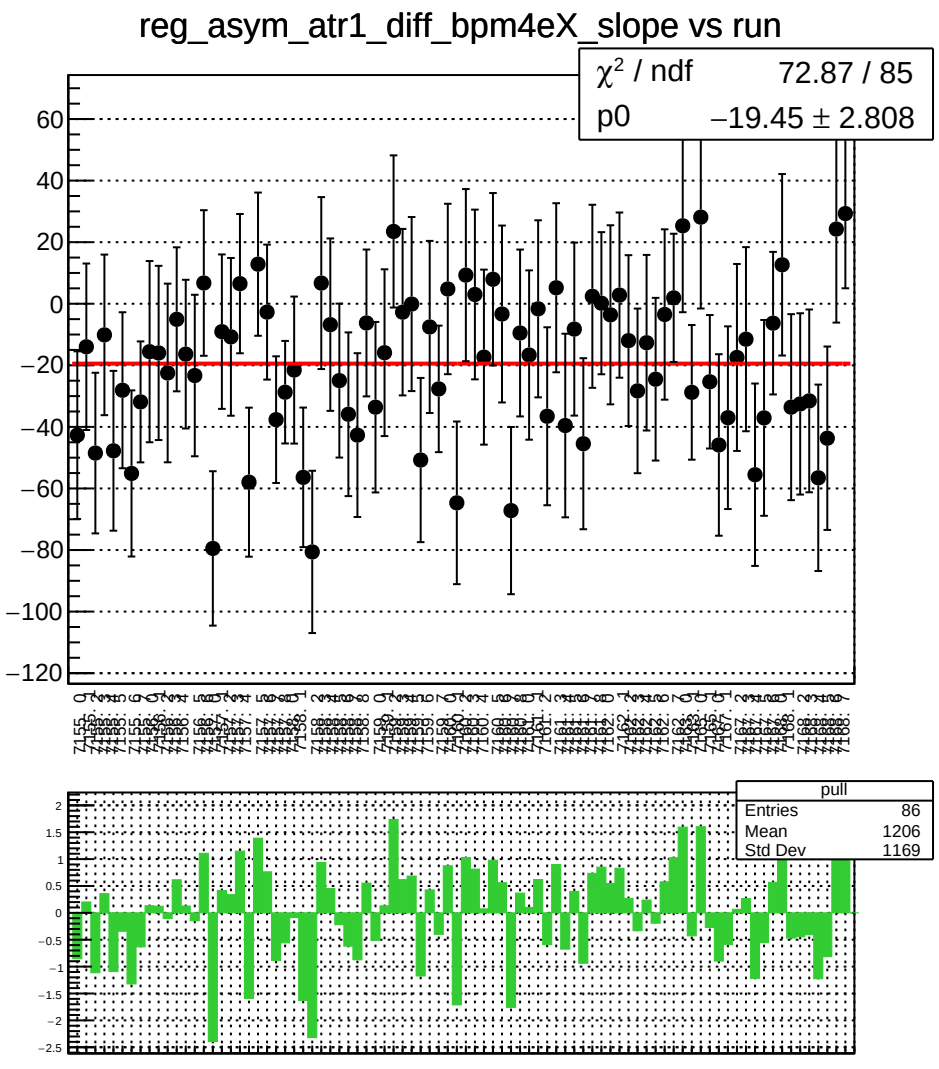

pull1D
Entries 86
Mean −0.002635
Std Dev 0.3979
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

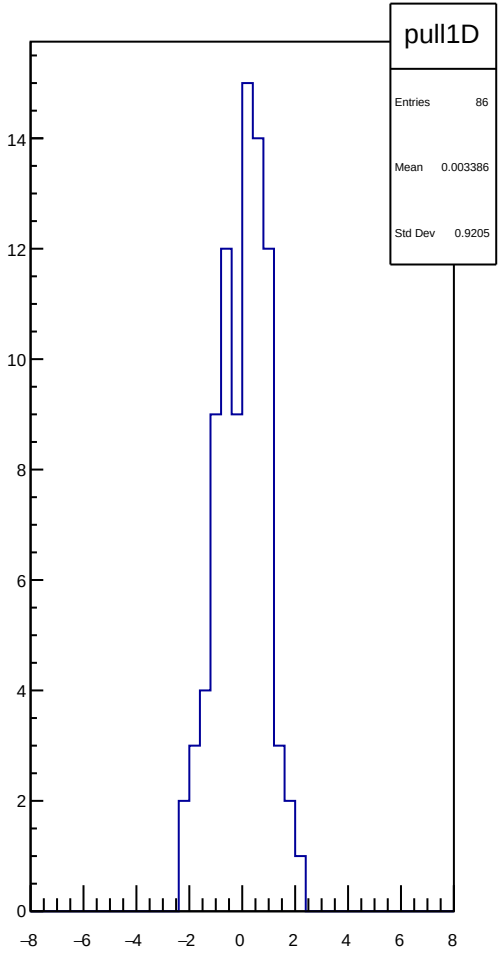

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 73.44 / 85
p0 −37.54 ± 2.773
pull
Entries 86
Mean 1457
Std Dev 1419

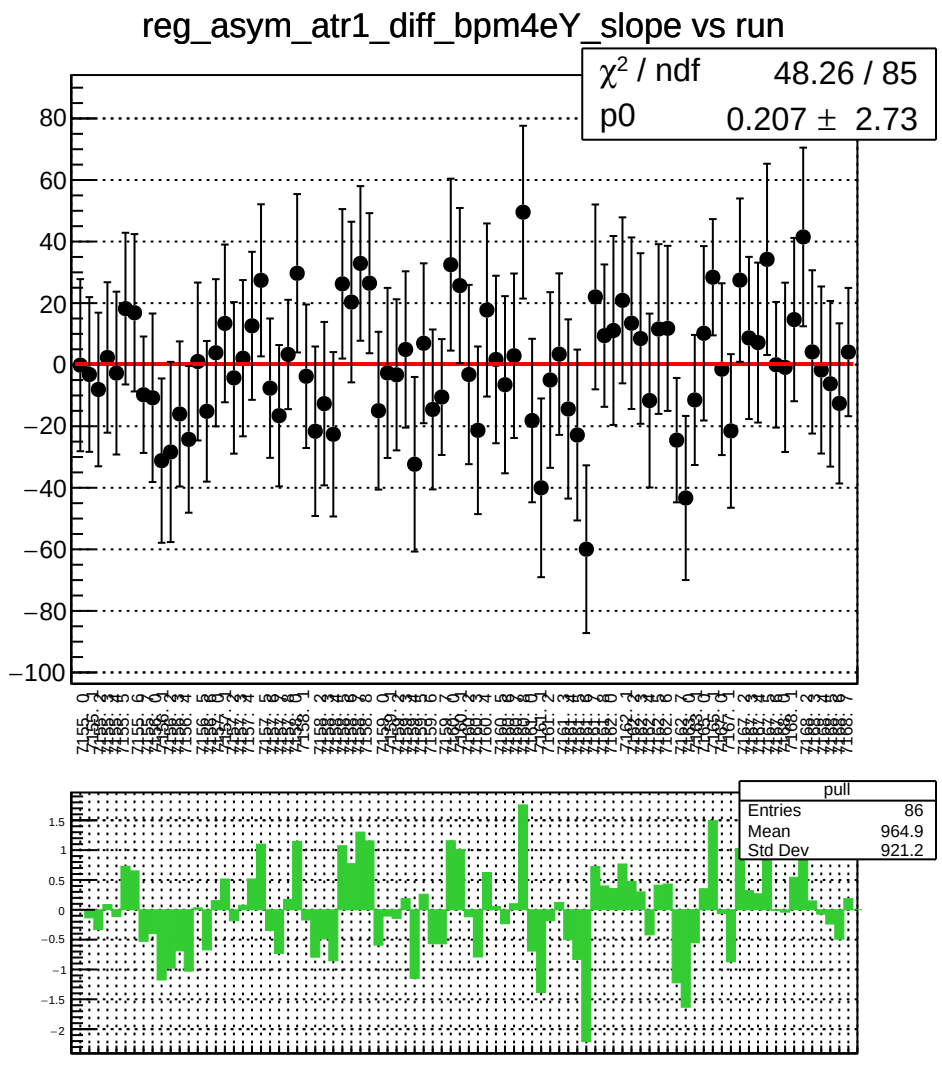

pull1D
Entries 86
Mean −0.003008
Std Dev 0.9241

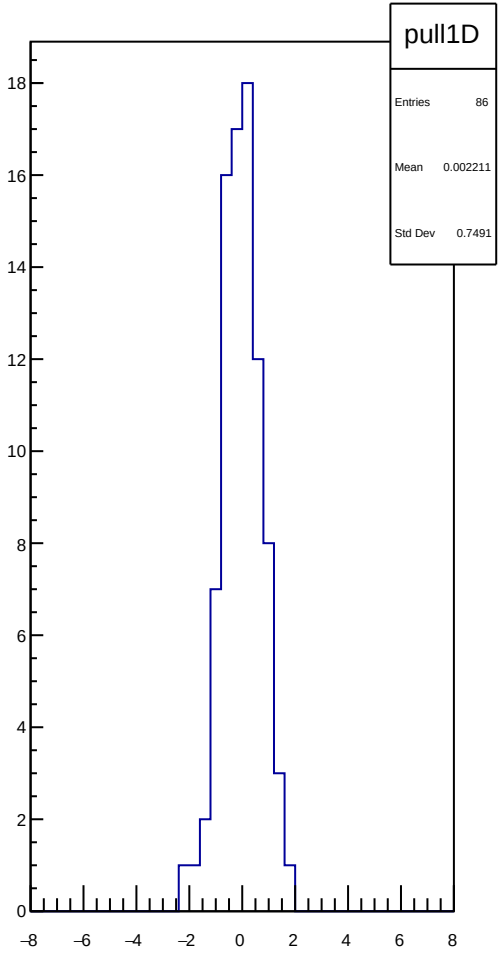

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 54.17 / 85
p0 0.5329 ± 2.351
pull
Entries 86
Mean 376.2
Std Dev 325

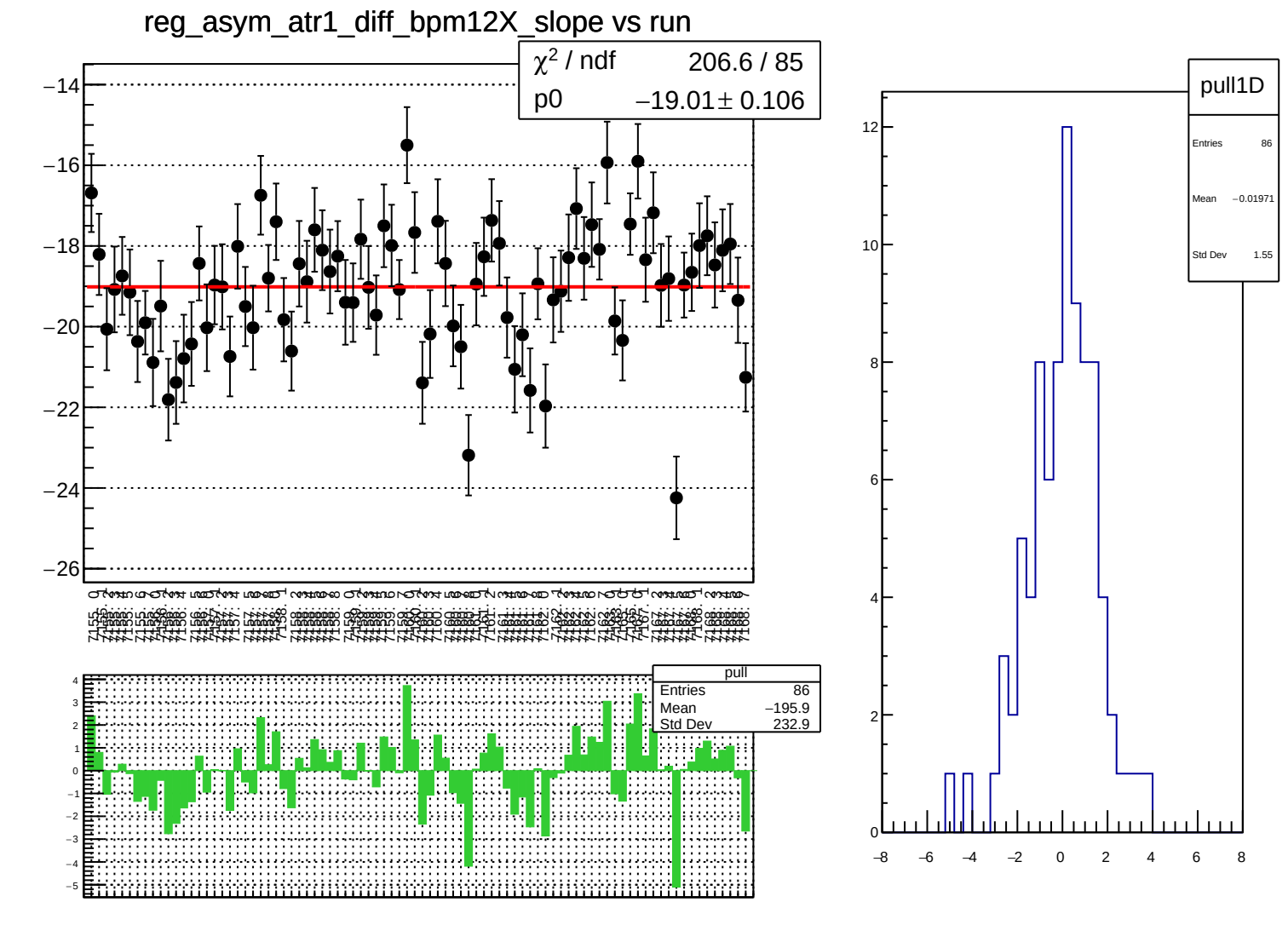

pull1D
Entries 86
Mean −0.003715
Std Dev 0.7936

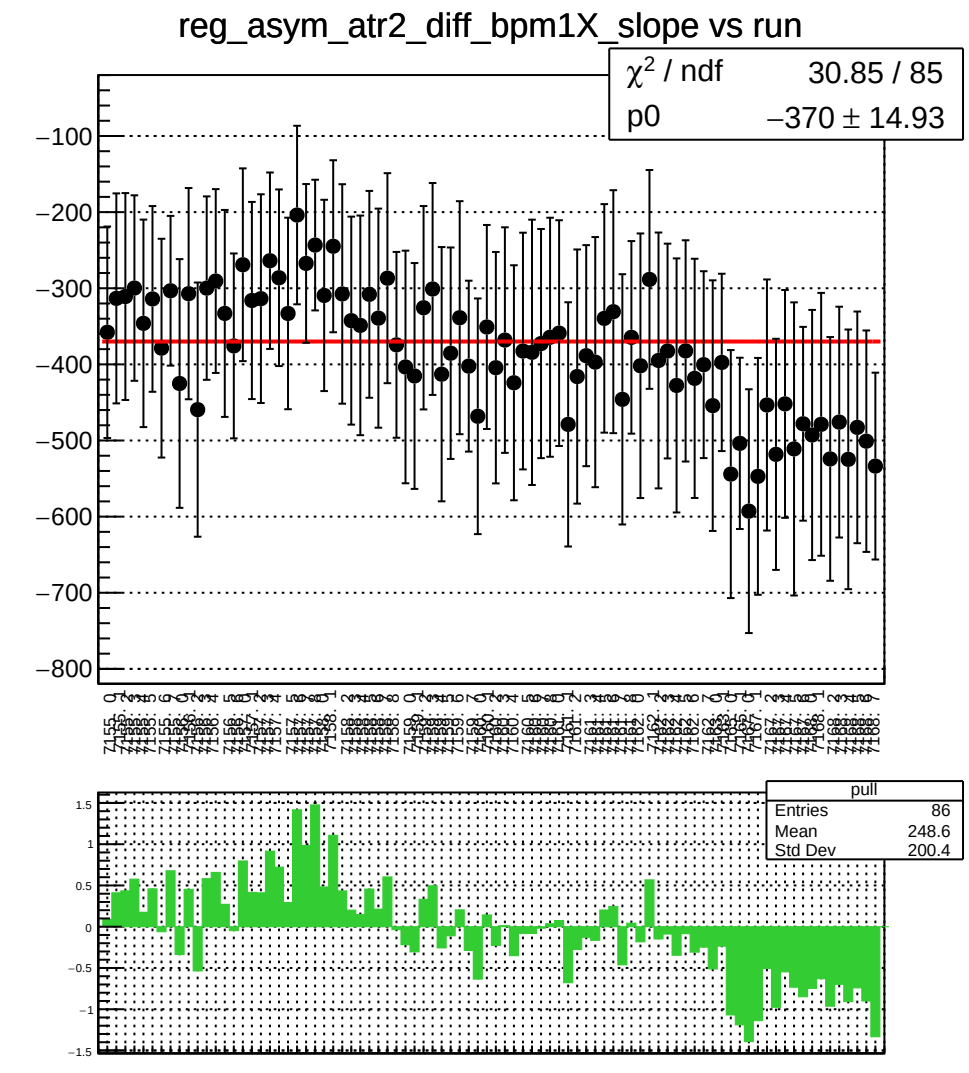

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 72.87 / 85
p0 −19.45 ± 2.808
pull
Entries 86
Mean 1206
Std Dev 1169

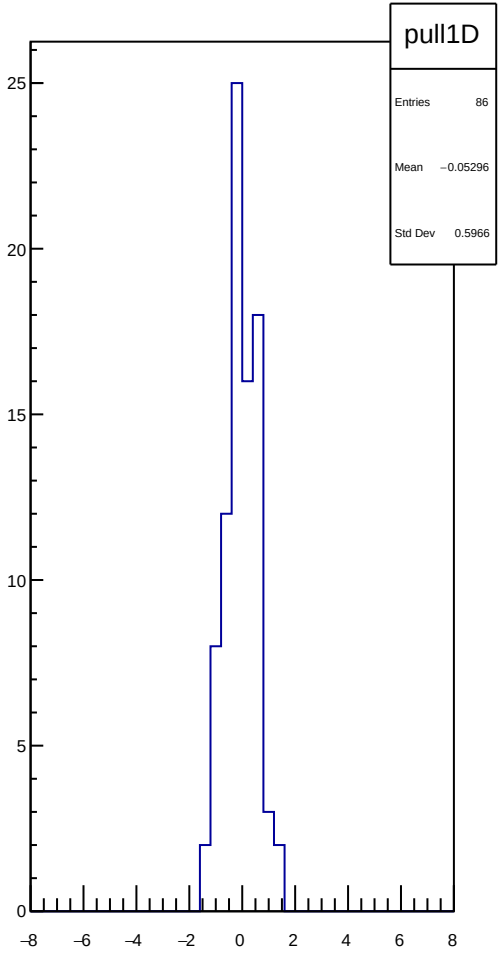

pull1D
Entries 86
Mean 0.003386
Std Dev 0.9205

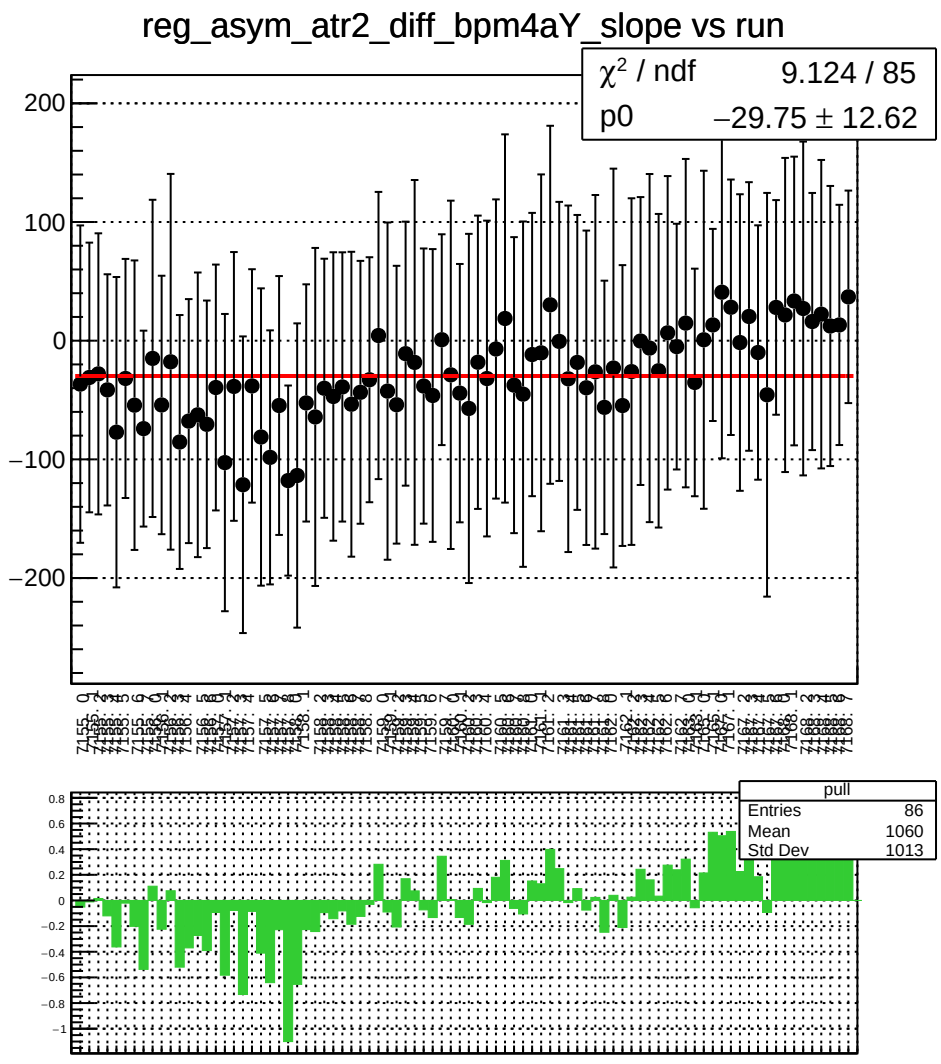

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 48.26 / 85
p0 0.207 ± 2.73
pull
Entries 86
Mean 964.9
Std Dev 921.2

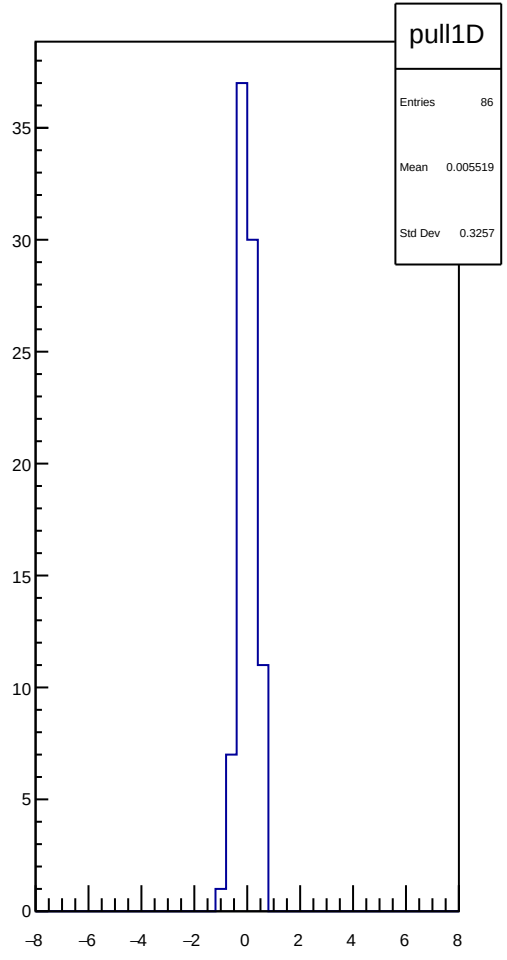

pull1D
Entries 86
Mean 0.002211
Std Dev 0.7491

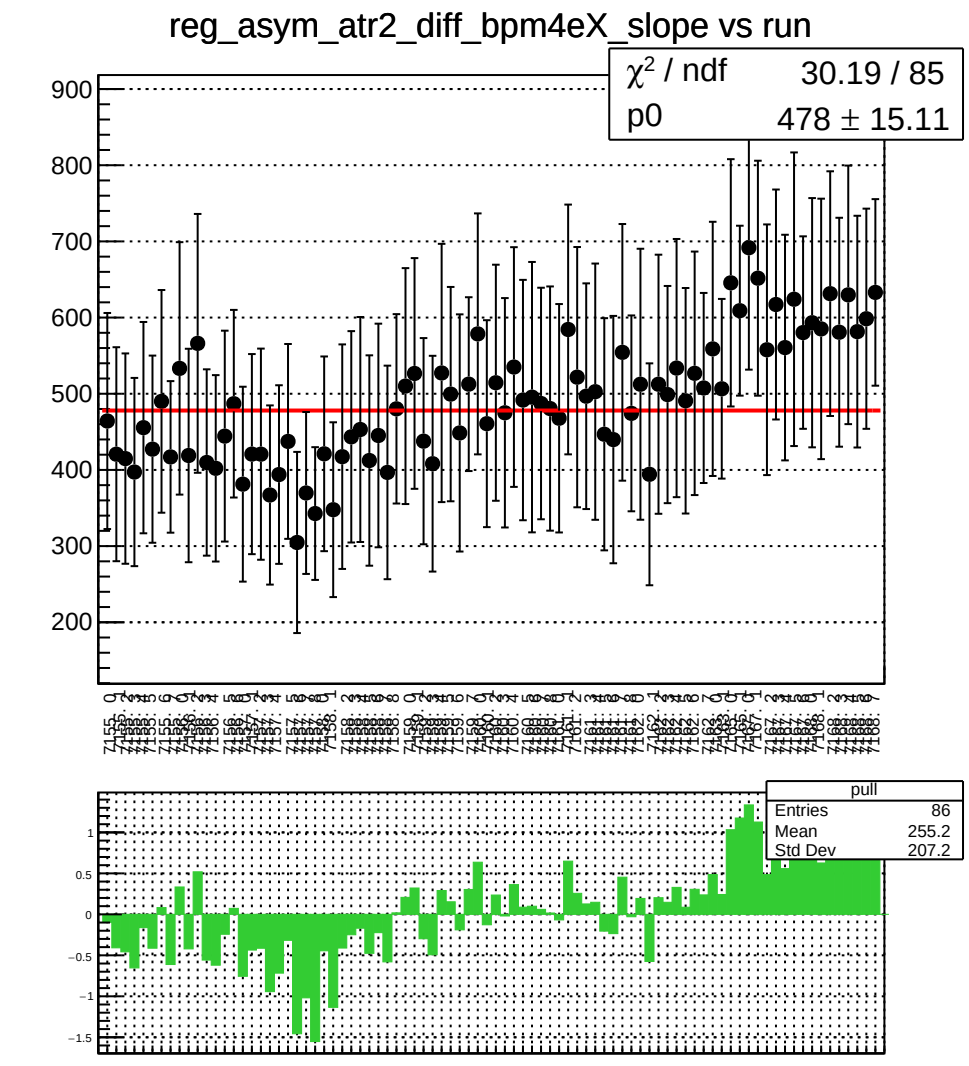

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 206.6 / 85
p0 −19.01 ± 0.106
pull
Entries 86
Mean −195.9
Std Dev 232.9
pull1D
Entries 86
Mean −0.01971
Std Dev 1.55

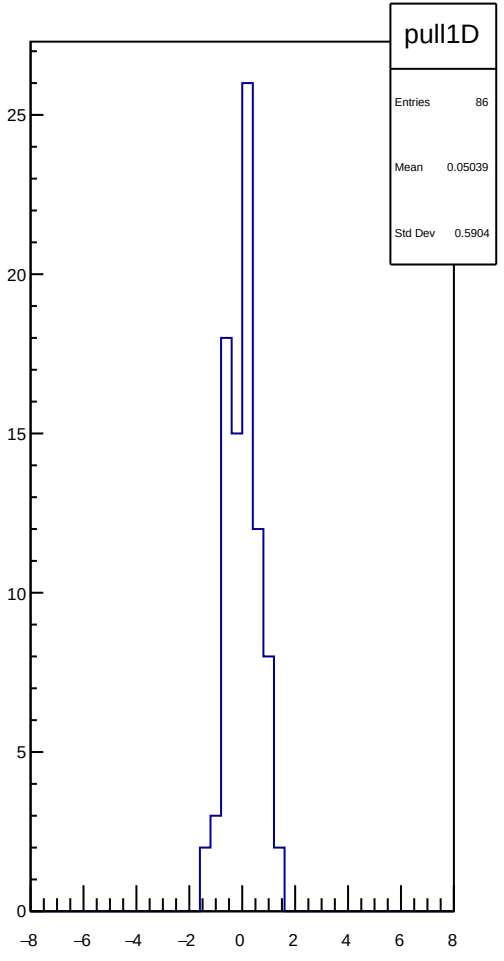

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 30.85 / 85
p0 −370 ± 14.93
pull
Entries 86
Mean 248.6
Std Dev 200.4

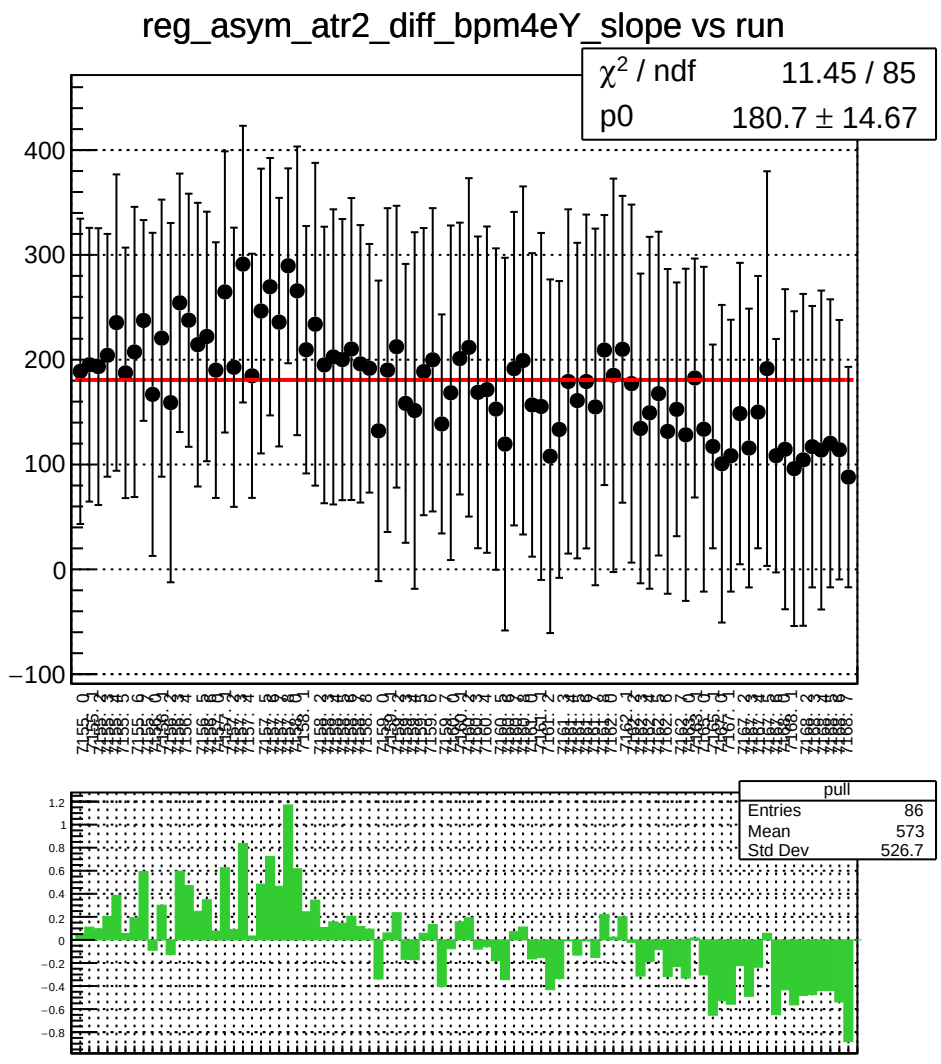

pull1D
Entries 86
Mean −0.05296
Std Dev 0.5966

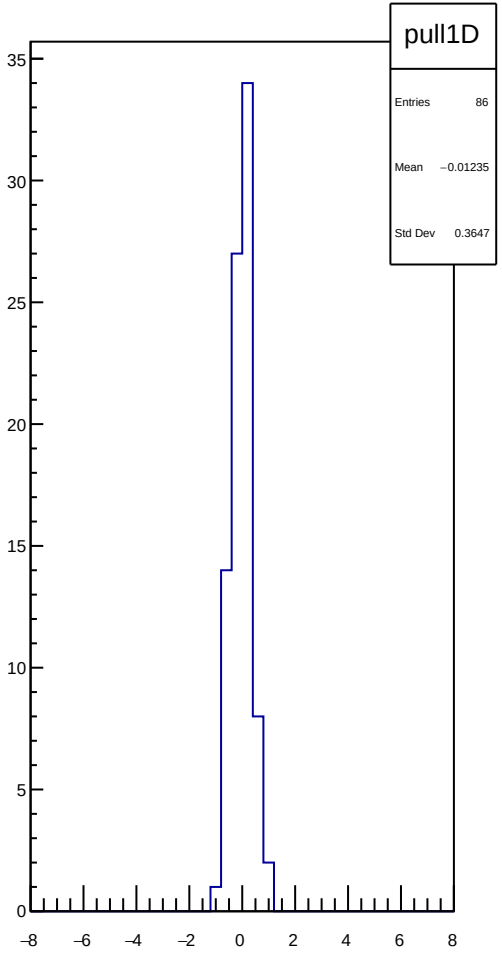

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 9.124 / 85
p0 −29.75 ± 12.62
200
100
0
−100
−200
pull
Entries 86
Mean 1060
Std Dev 1013
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

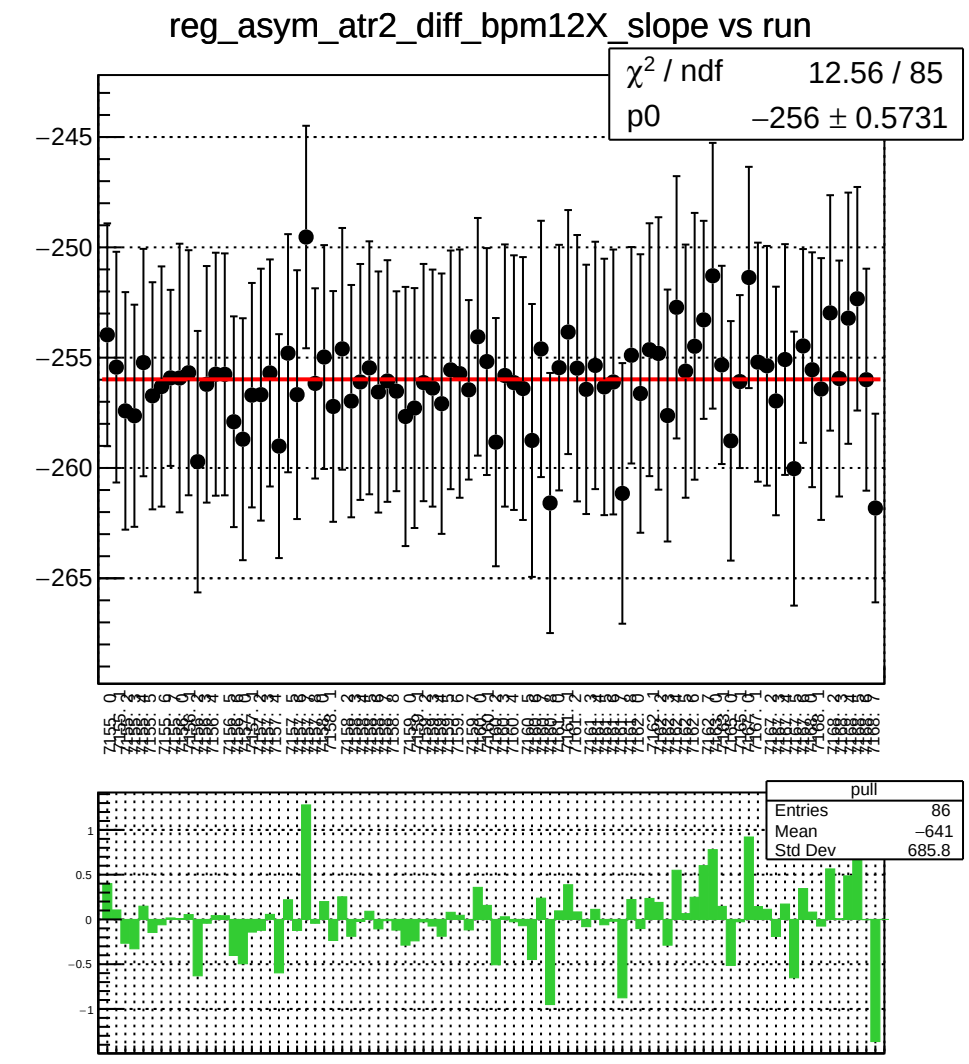

pull1D
Entries 86
Mean 0.005519
Std Dev 0.3257
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

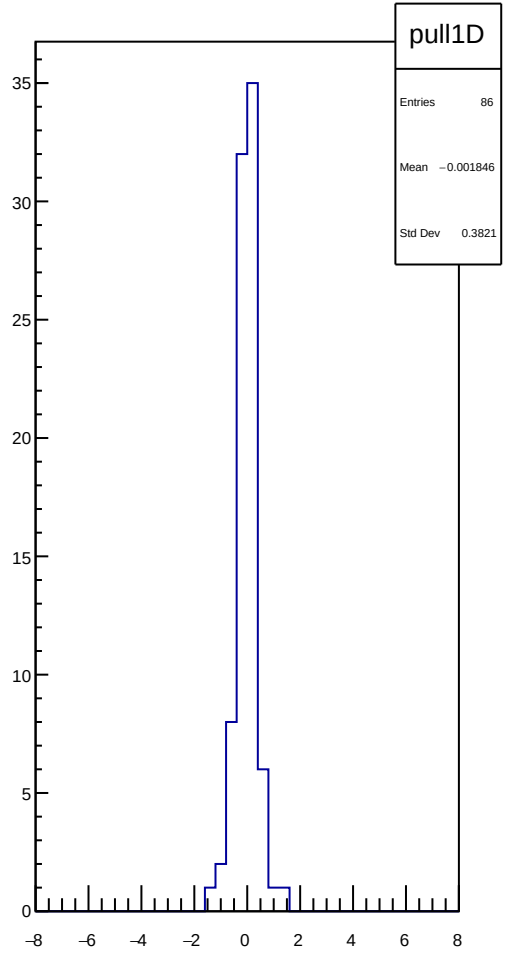

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 30.19 / 85
p0 478 ± 15.11
900
800
700
600
500
400
300
200
pull
Entries 86
Mean 255.2
Std Dev 207.2
1
0.5
0
−0.5
−1
−1.5

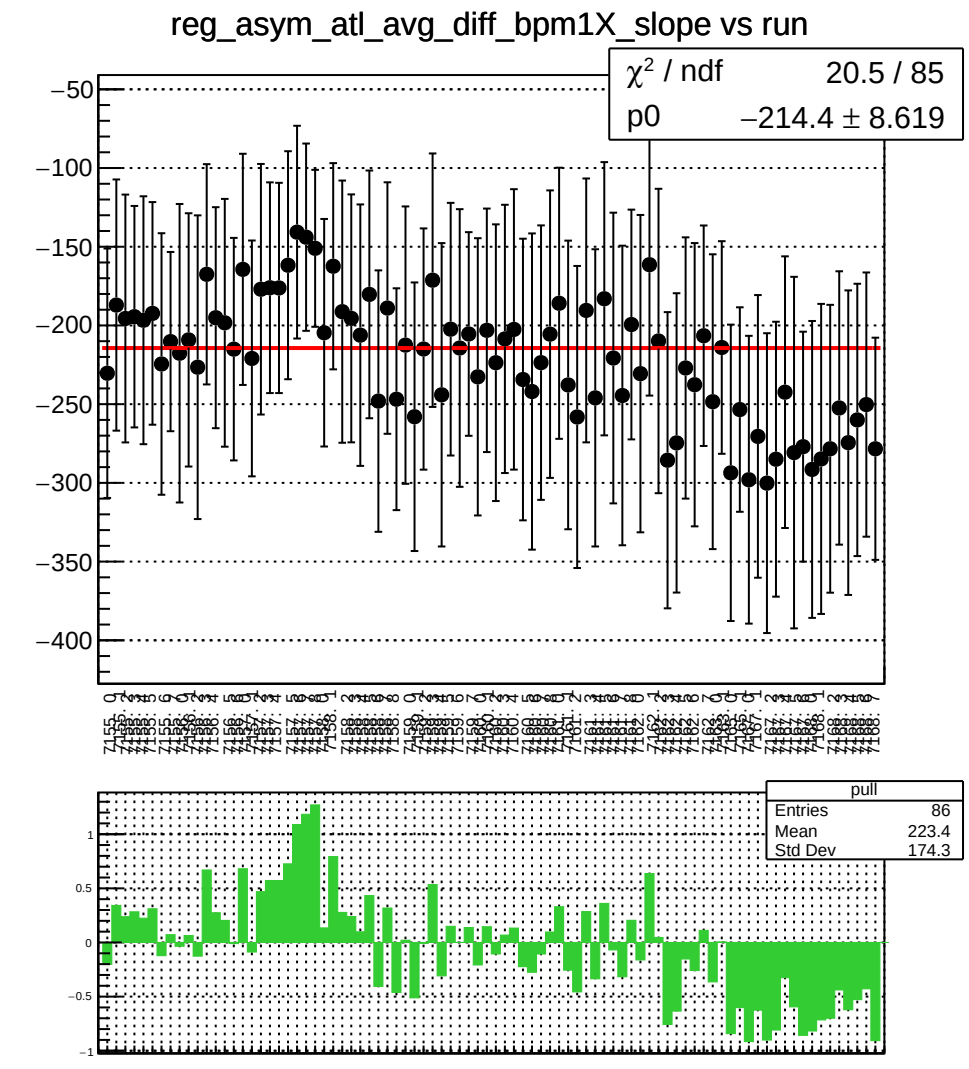

pull1D
Entries 86
Mean 0.05039
Std Dev 0.5904
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

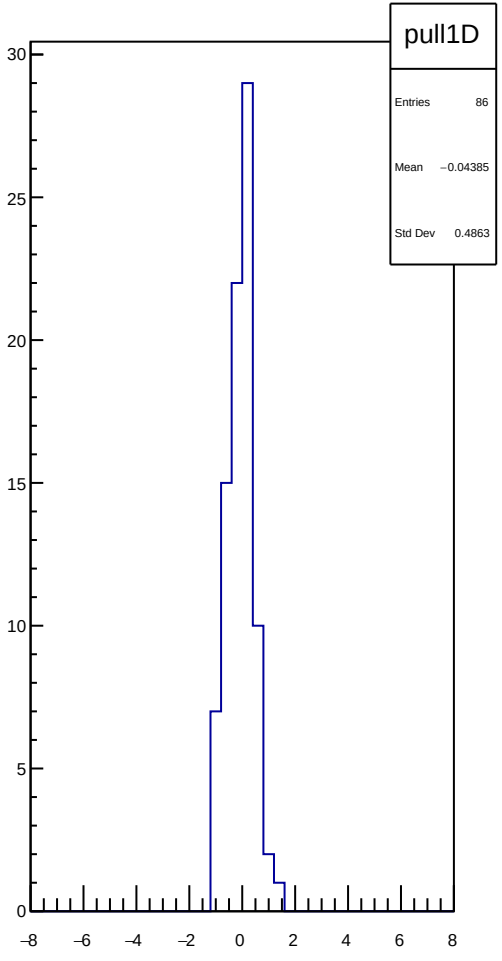

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 11.45 / 85
p0 180.7 ± 14.67
pull
Entries 86
Mean 573
Std Dev 526.7

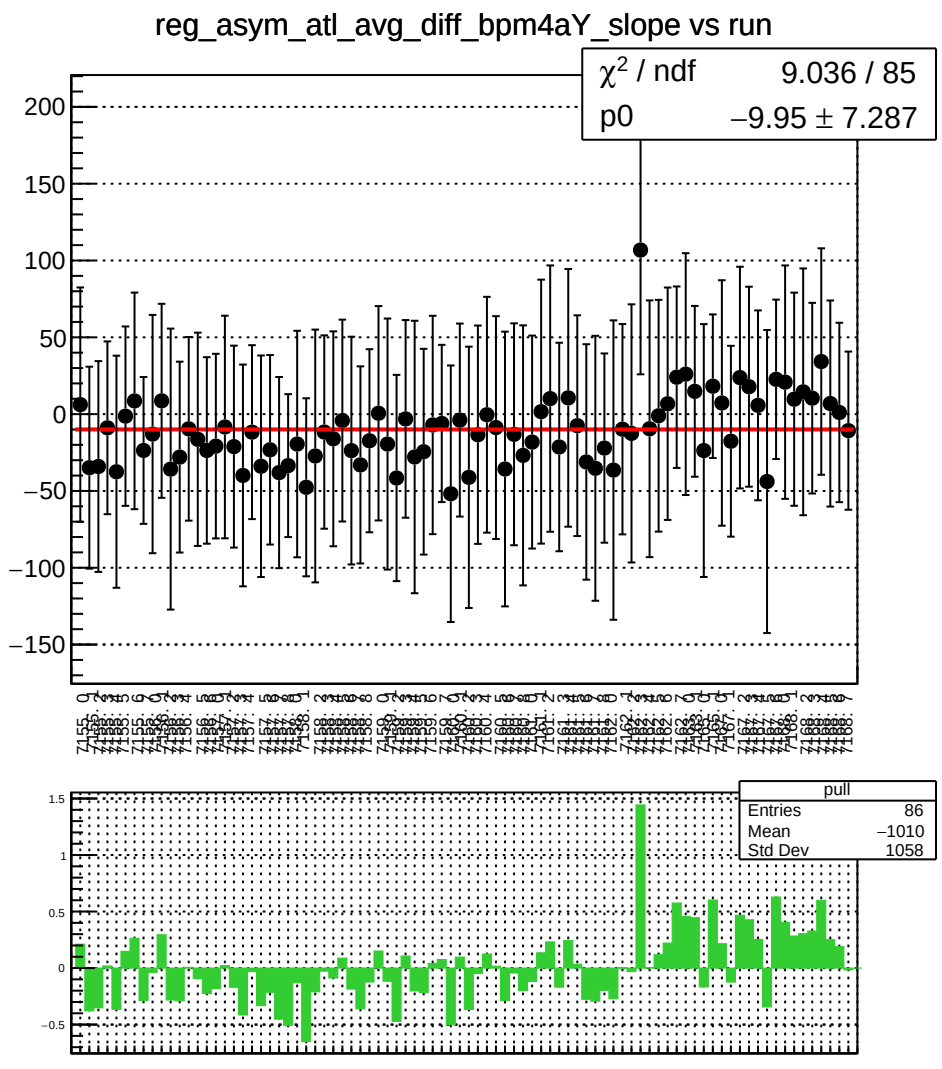

pull1D
Entries 86
Mean −0.01235
Std Dev 0.3647

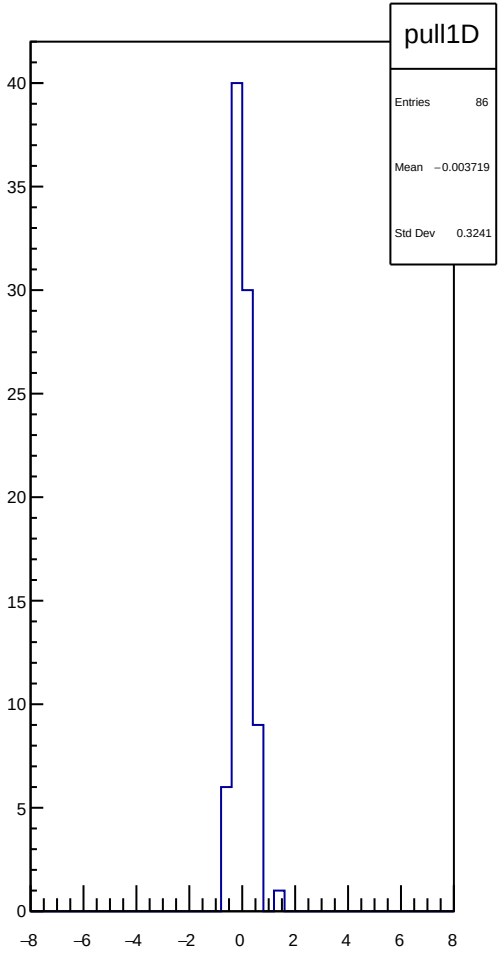

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 12.56 / 85
p0 −256 ± 0.5731
−245
−250
−255
−260
−265
pull
Entries 86
Mean −641
Std Dev 685.8
1
0.5
0
−0.5
−1

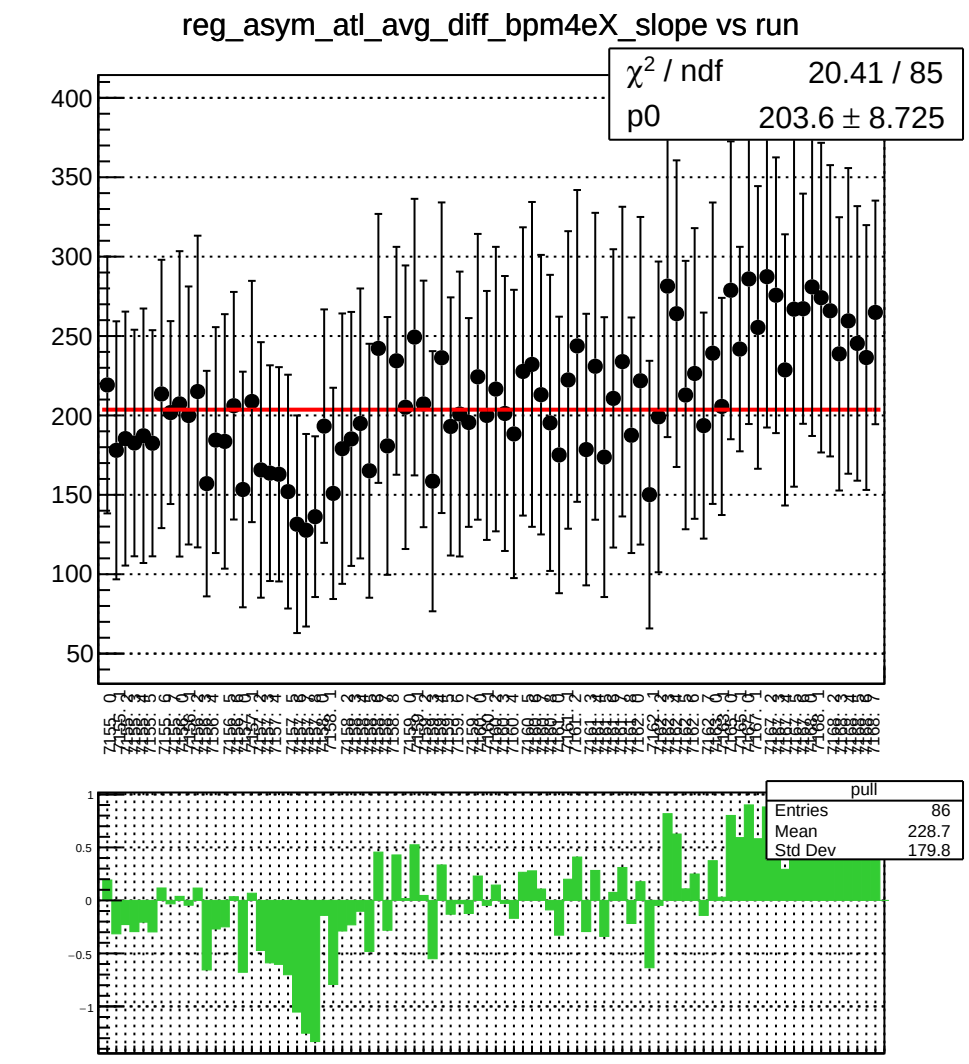

pull1D
Entries 86
Mean −0.001846
Std Dev 0.3821
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

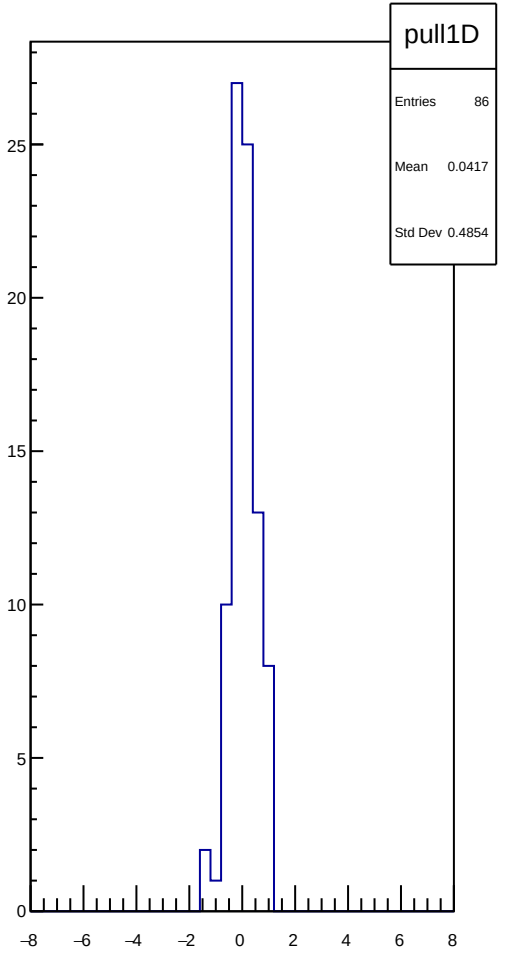

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 20.5 / 85
p0 −214.4 ± 8.619
pull
Entries 86
Mean 223.4
Std Dev 174.3

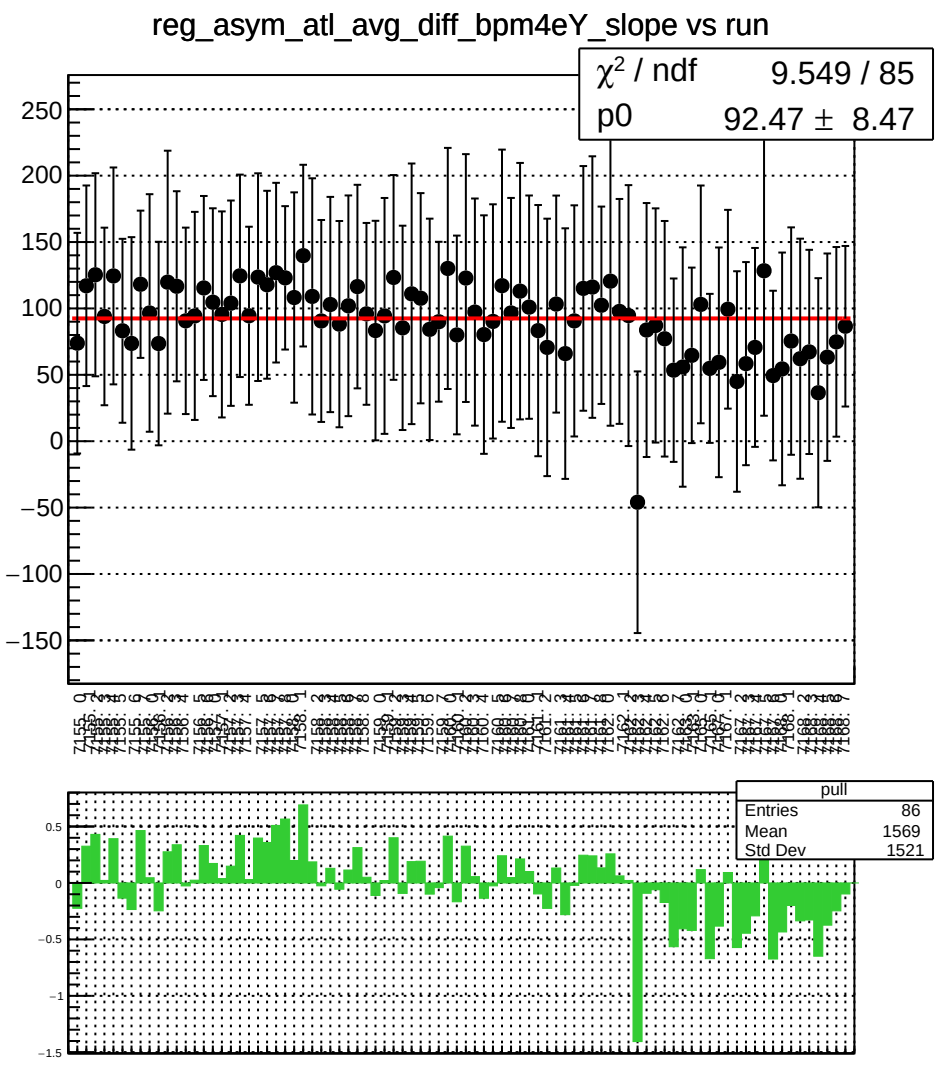

pull1D
Entries 86
Mean −0.04385
Std Dev 0.4863

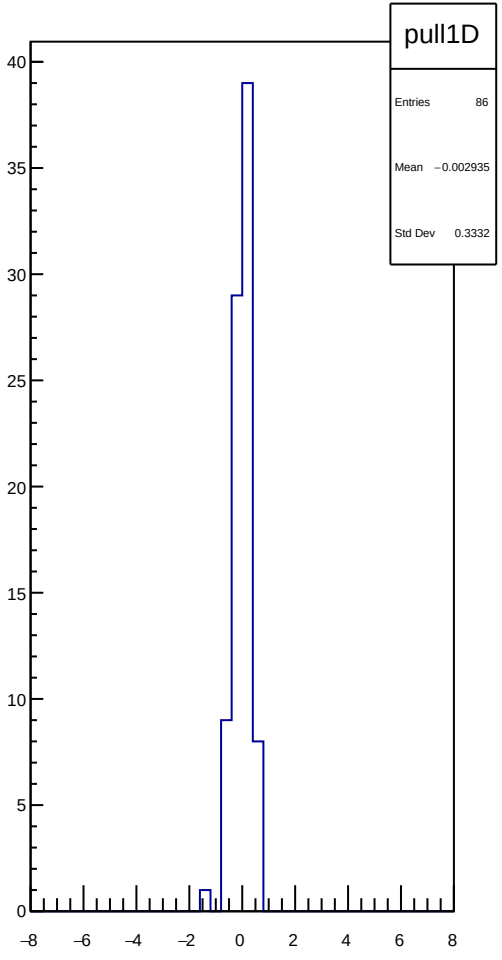

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.036 / 85
p0 −9.95 ± 7.287
pull
Entries 86
Mean −1010
Std Dev 1058

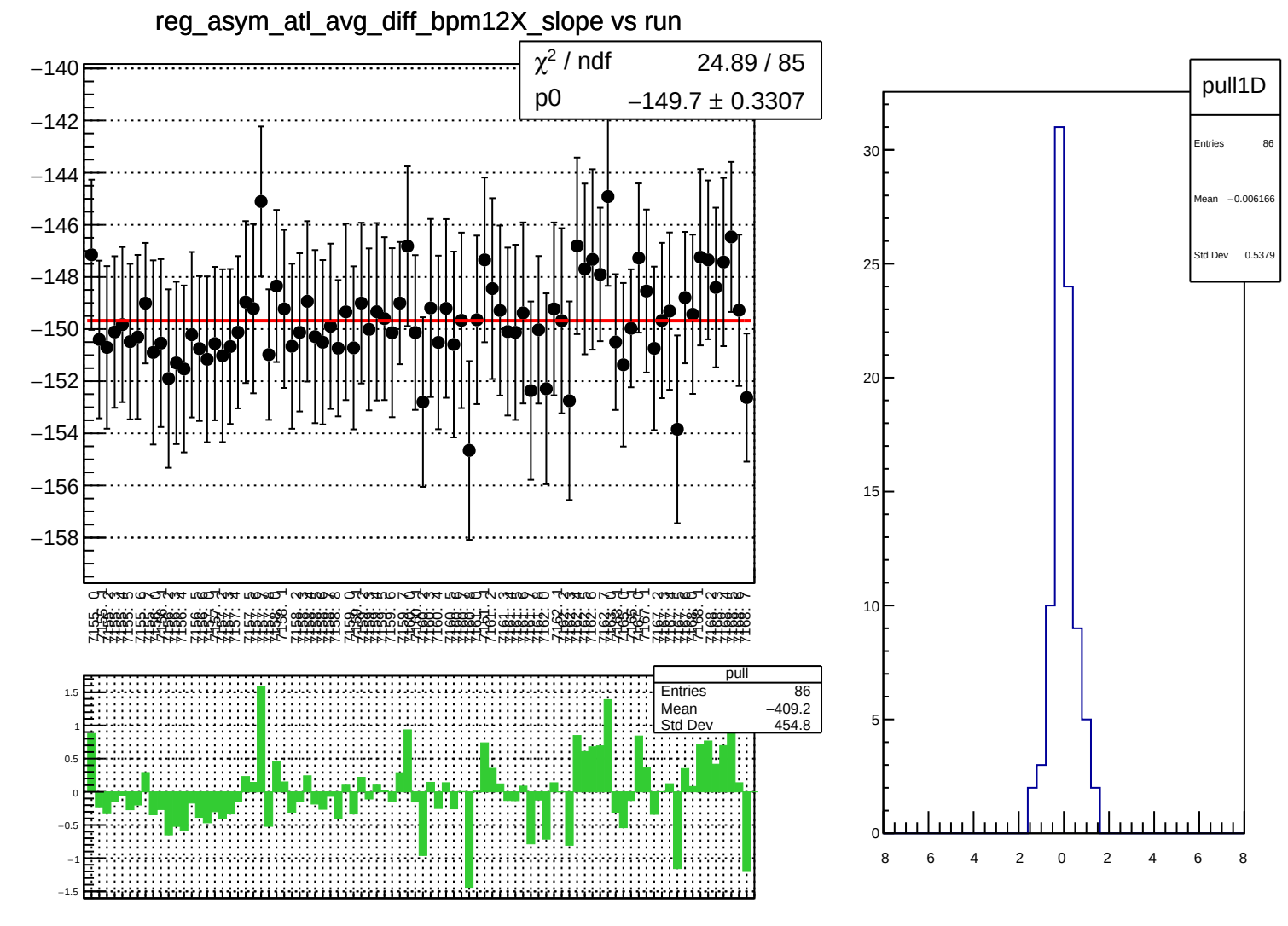

pull1D
Entries 86
Mean −0.003719
Std Dev 0.3241

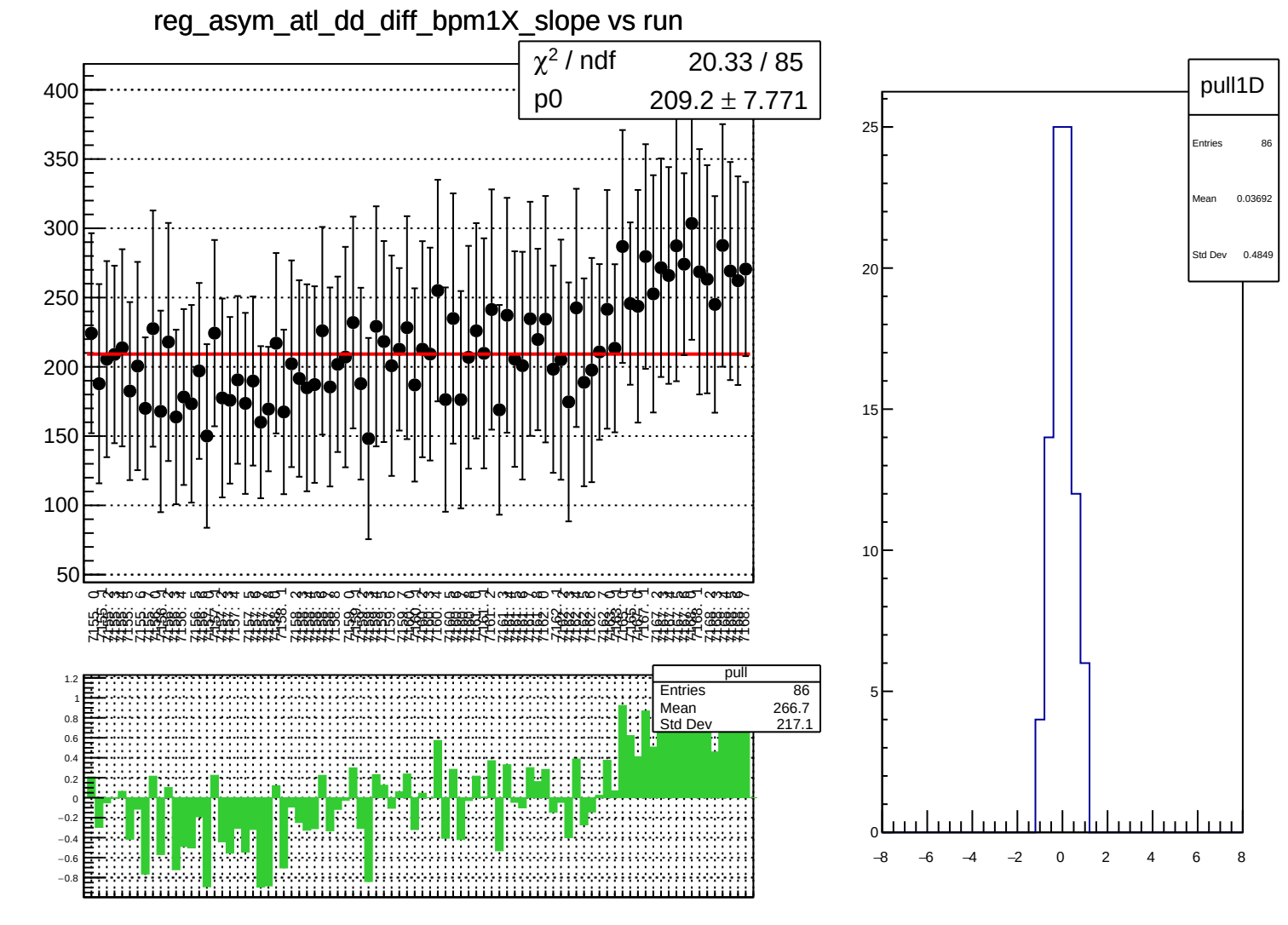

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.41 / 85
p0 203.6 ± 8.725
pull
Entries 86
Mean 228.7
Std Dev 179.8

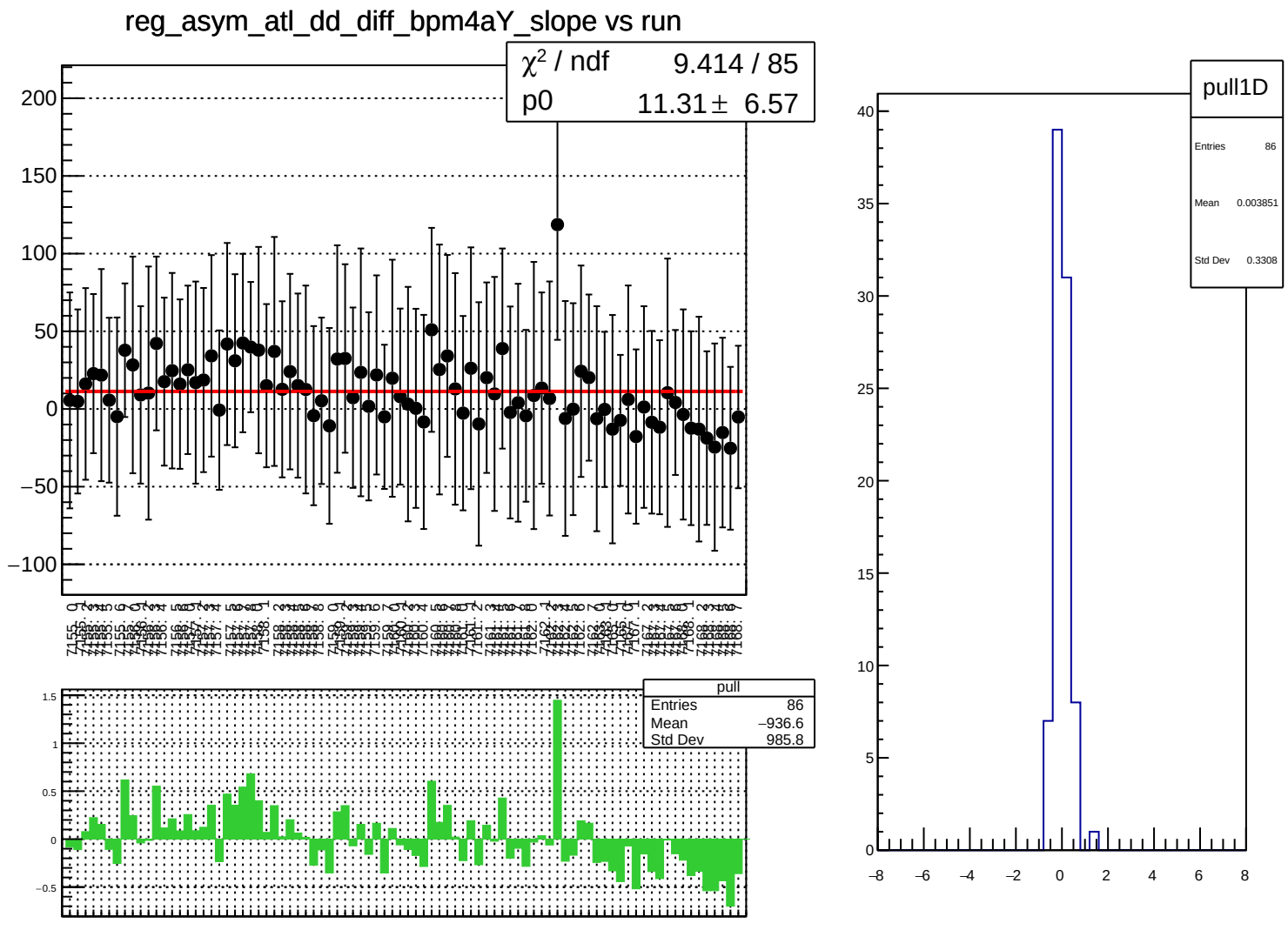

pull1D
Entries 86
Mean 0.0417
Std Dev 0.4854

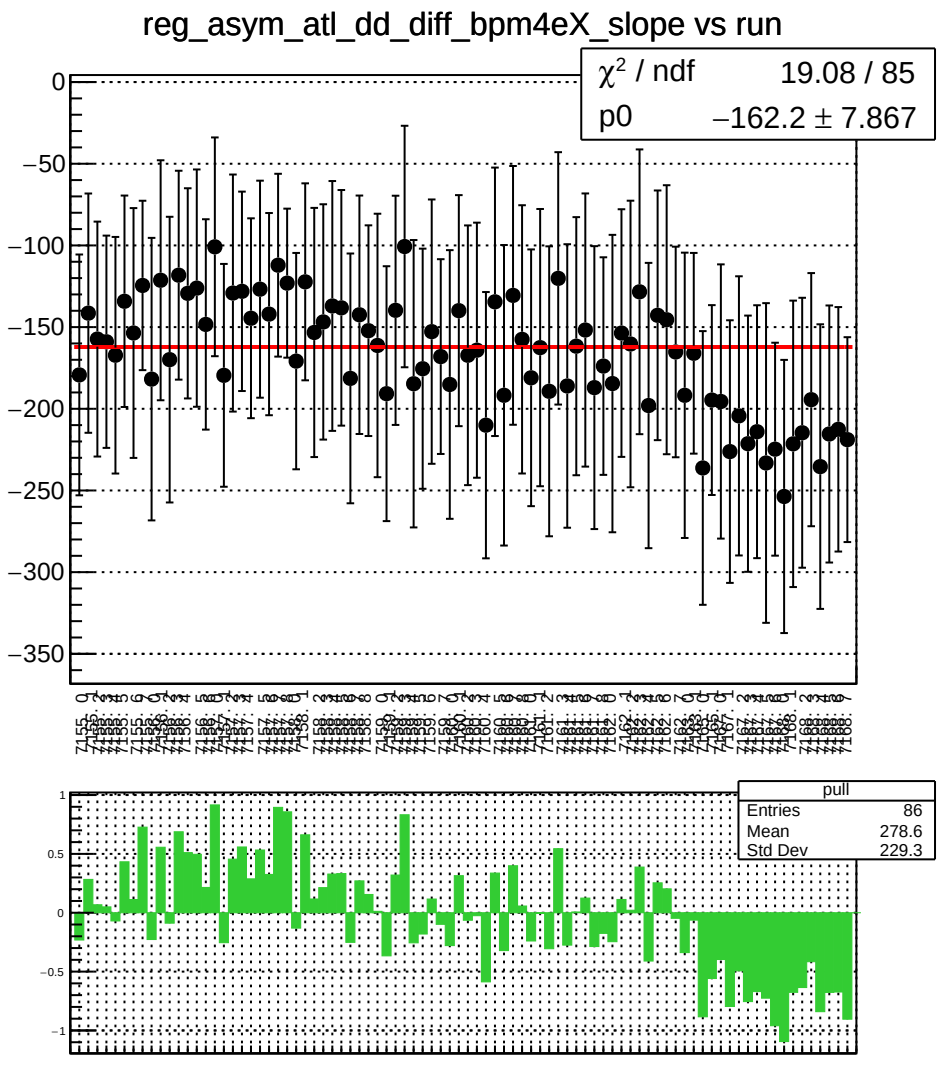

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.549 / 85
p0 92.47 ± 8.47
pull
Entries 86
Mean 1569
Std Dev 1521

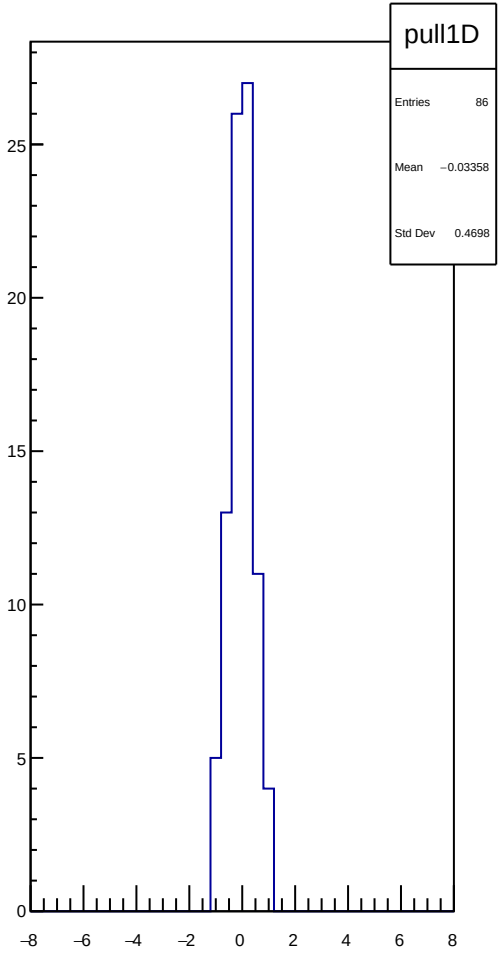

pull1D
Entries 86
Mean −0.002935
Std Dev 0.3332

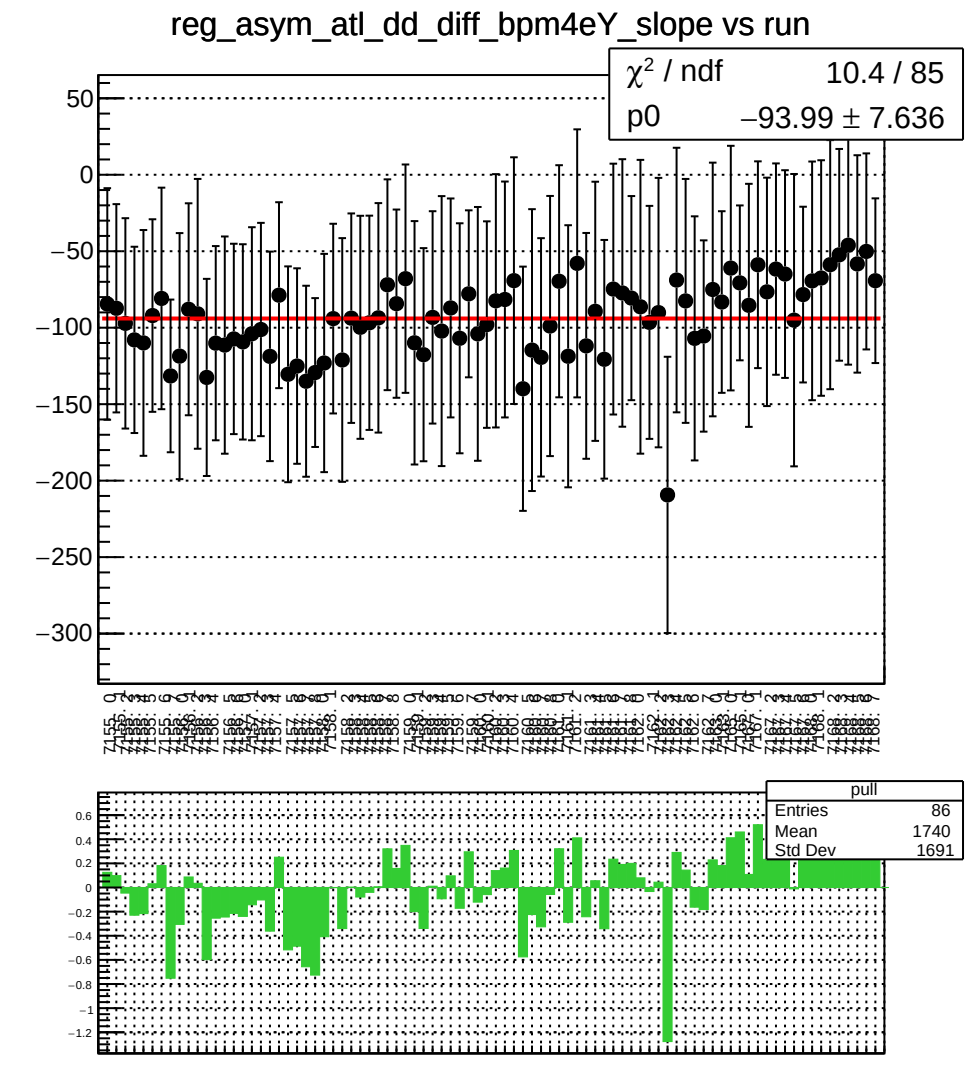

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 24.89 / 85
p0 −149.7 ± 0.3307
pull
Entries 86
Mean −409.2
Std Dev 454.8
pull1D
Entries 86
Mean −0.006166
Std Dev 0.5379

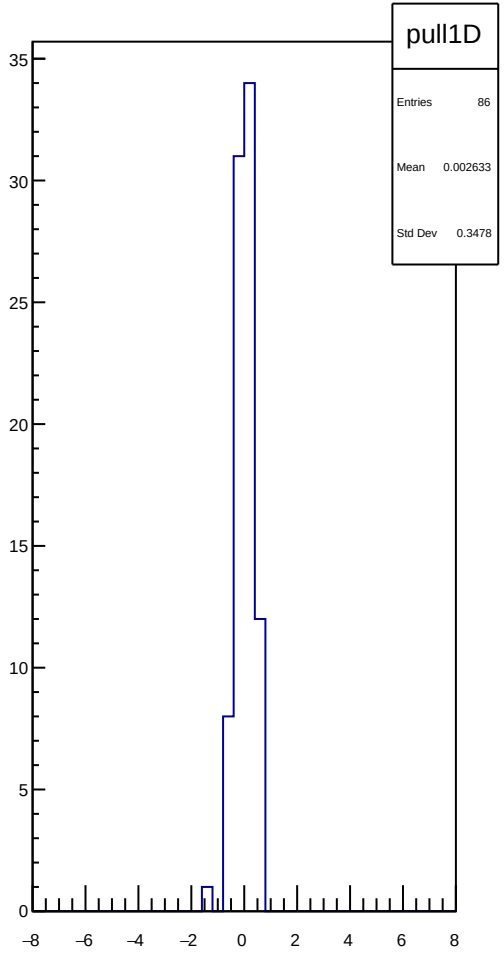

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 20.33 / 85
p0 209.2 ± 7.771
pull
Entries 86
Mean 266.7
Std Dev 217.1
pull1D
Entries 86
Mean 0.03692
Std Dev 0.4849

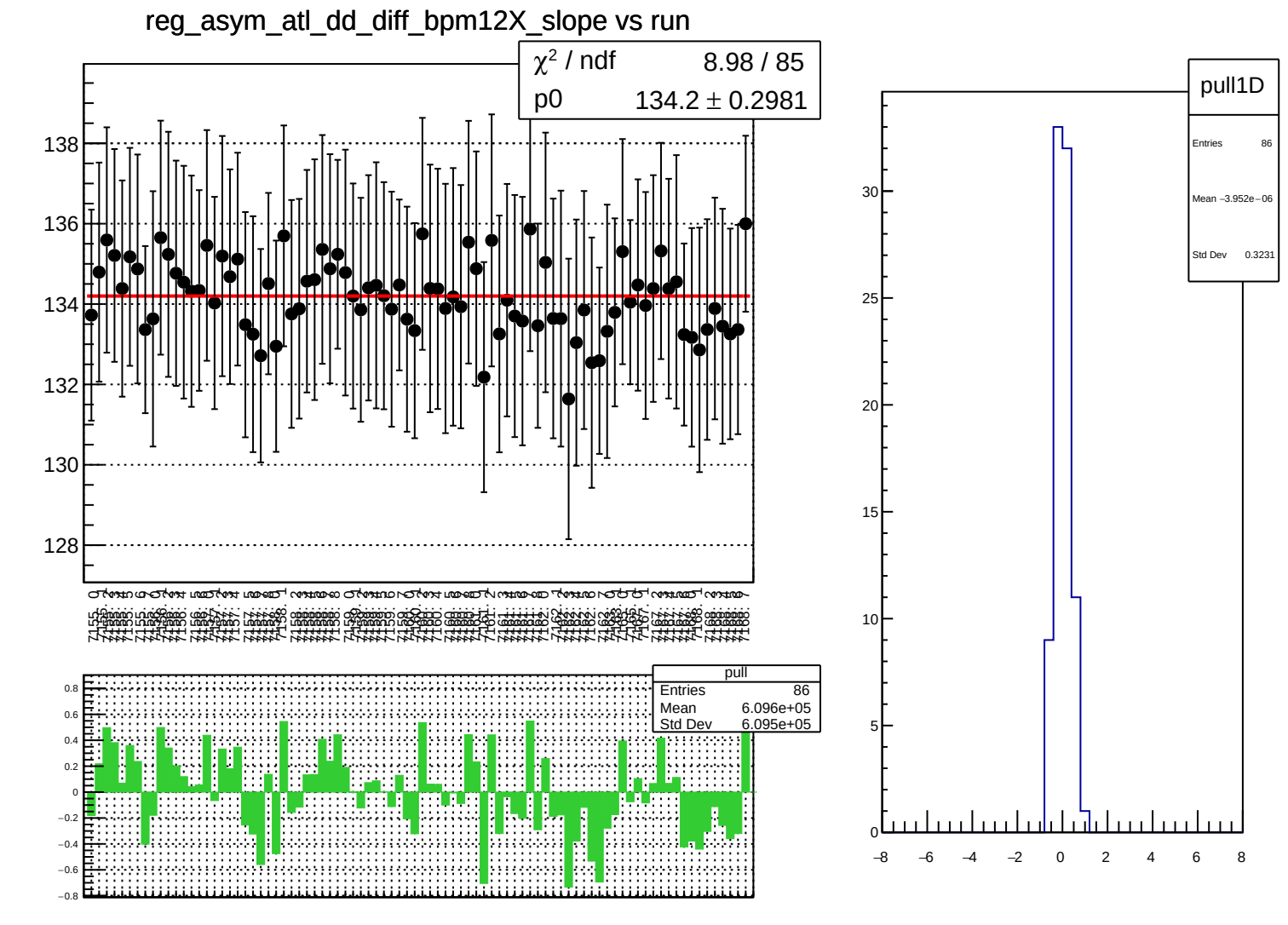

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.414 / 85
p0 11.31 ± 6.57
200
150
100
50
0
−50
−100
pull
Entries 86
Mean −936.6
Std Dev 985.8
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean 0.003851
Std Dev 0.3308
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

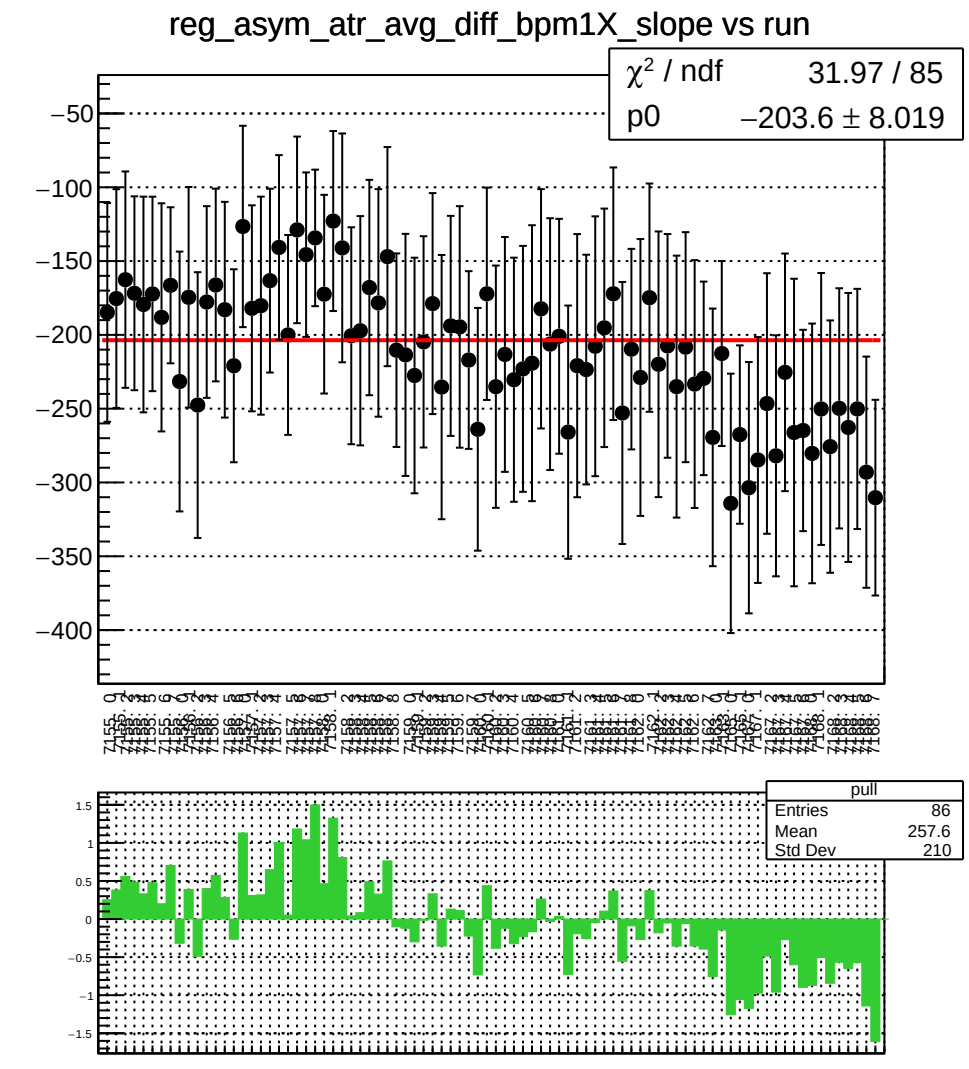

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.08 / 85
p0 −162.2 ± 7.867
pull
Entries 86
Mean 278.6
Std Dev 229.3

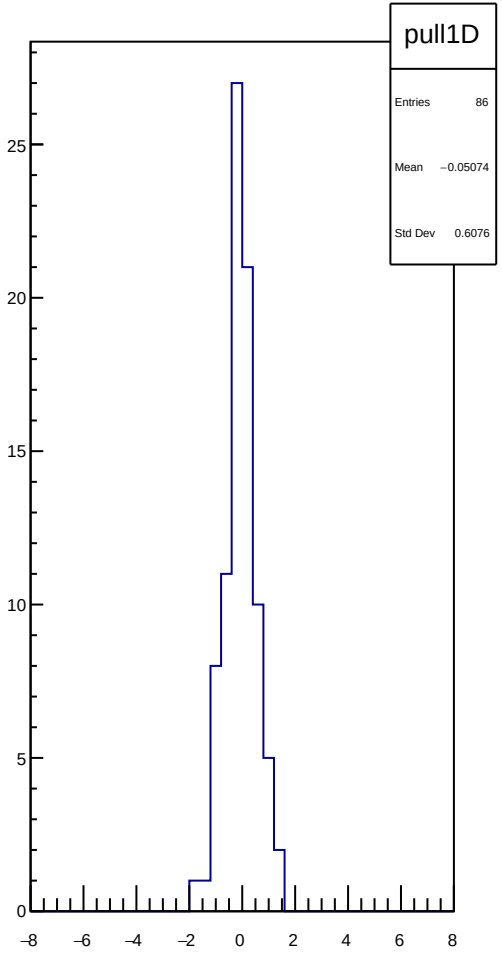

pull1D
Entries 86
Mean −0.03358
Std Dev 0.4698

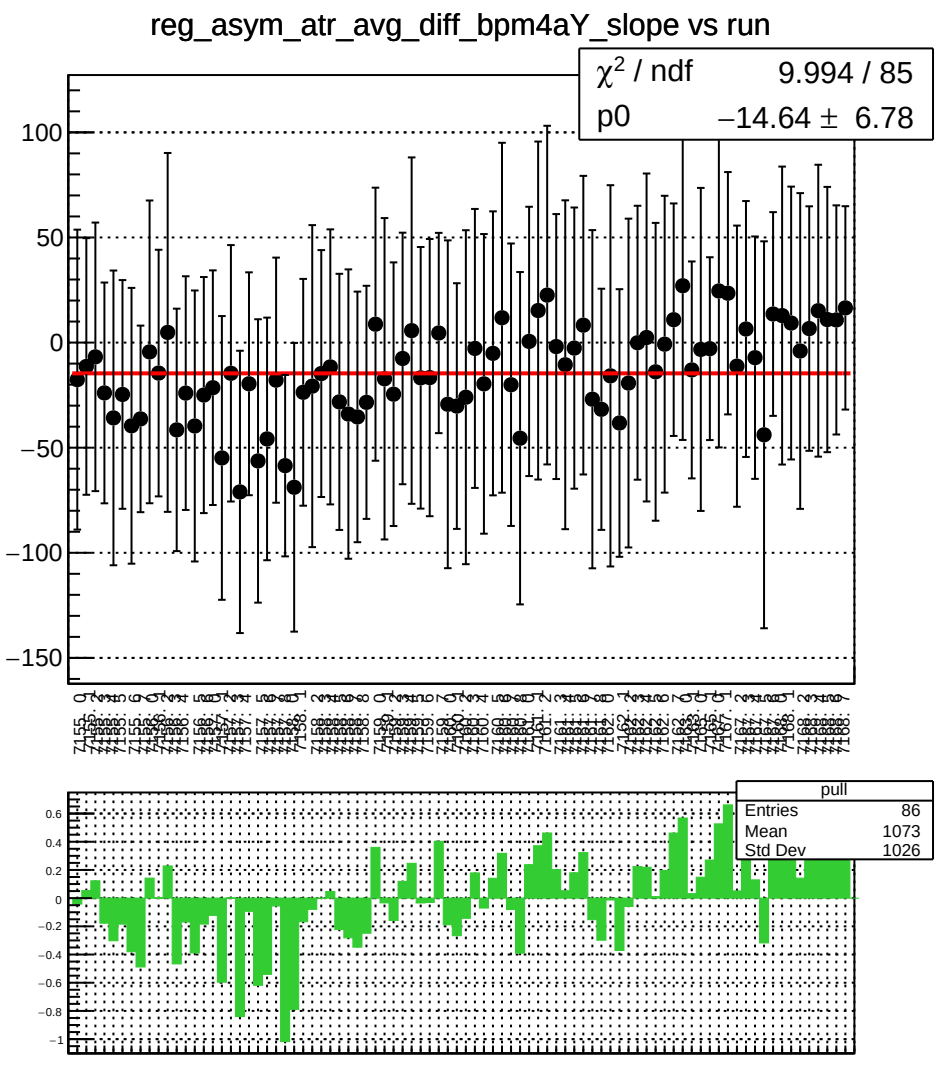

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.4 / 85
p0 −93.99 ± 7.636
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 86
Mean 1740
Std Dev 1691
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

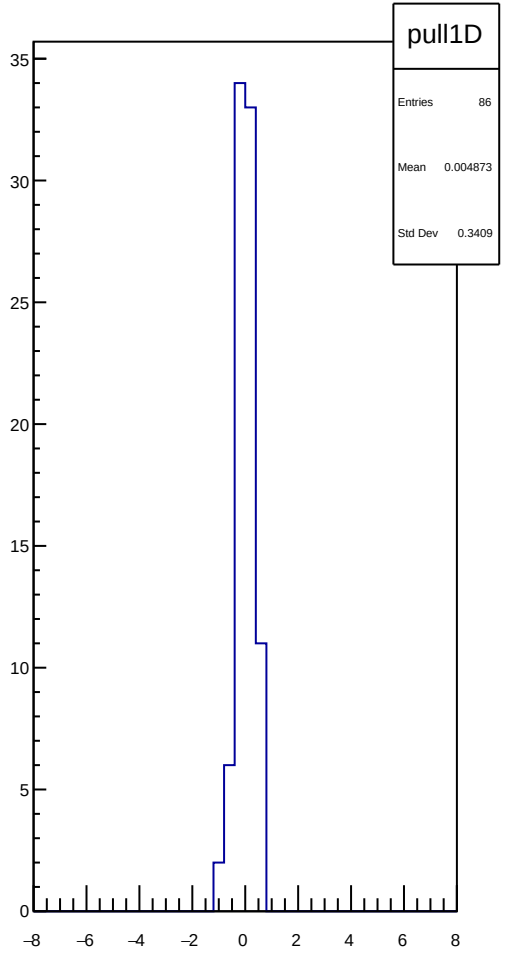

pull1D
Entries 86
Mean 0.002633
Std Dev 0.3478
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

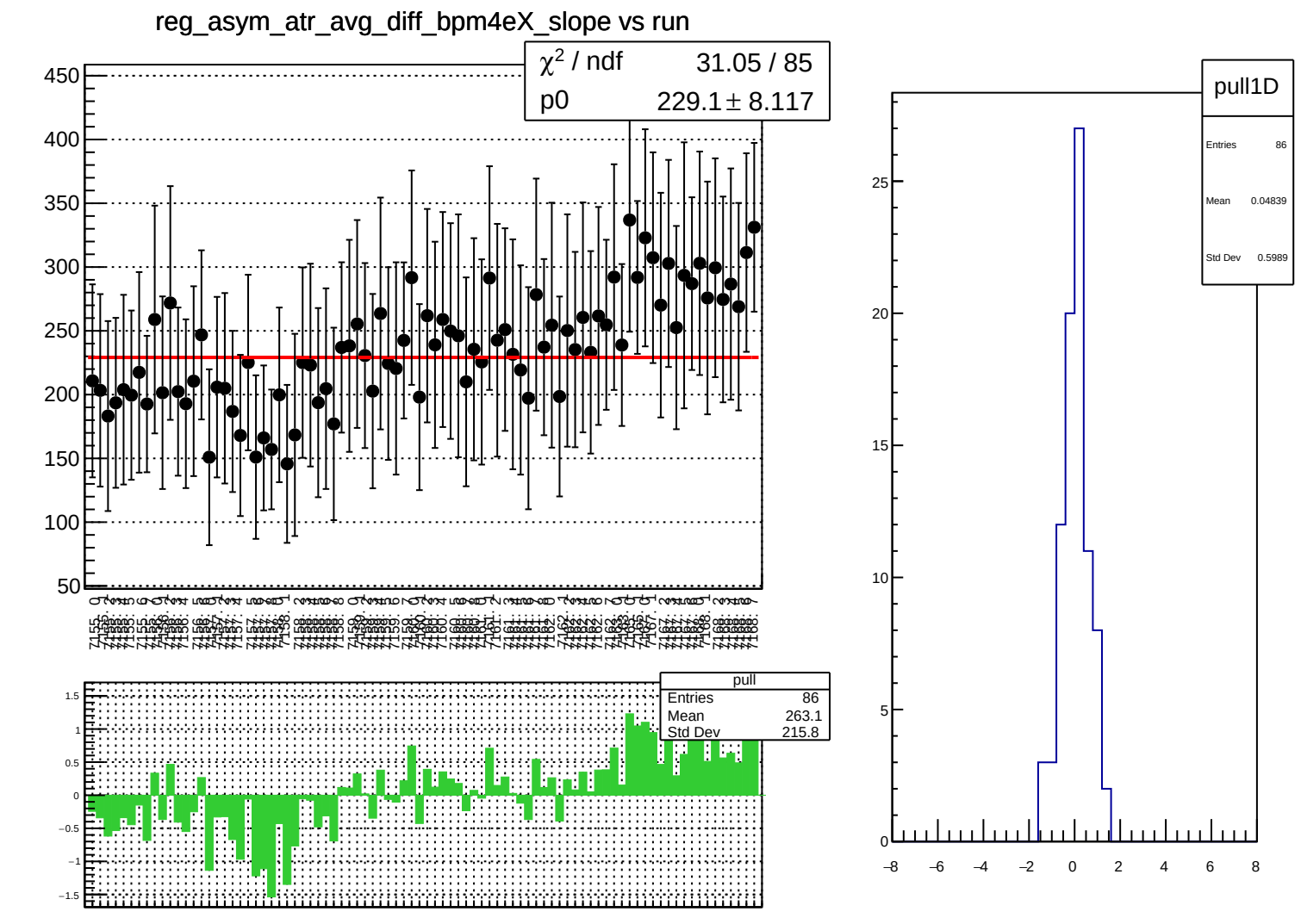

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 8.98 / 85
p0 134.2 ± 0.2981
pull
Entries 86
Mean 6.096e+05
Std Dev 6.095e+05
pull1D
Entries 86
Mean −3.952e−06
Std Dev 0.3231

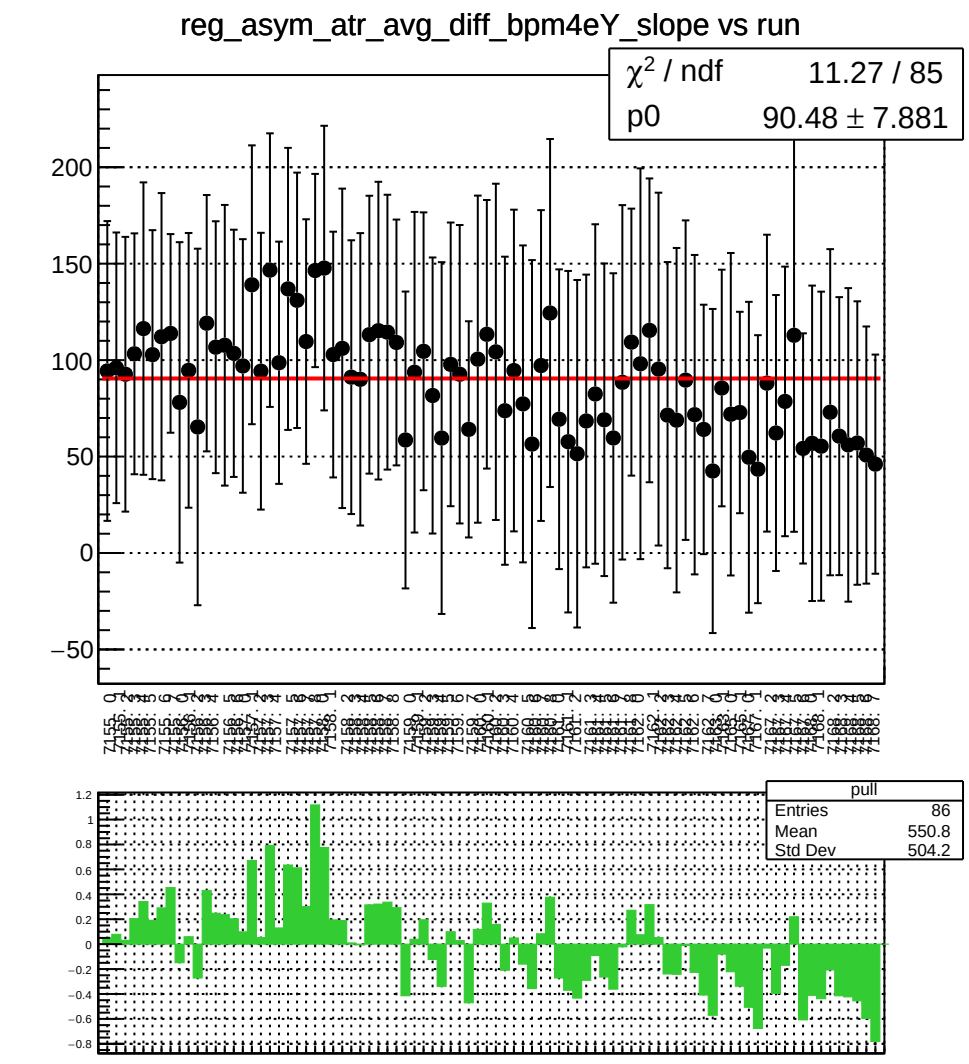

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 31.97 / 85
p0 −203.6 ± 8.019
pull
Entries 86
Mean 257.6
Std Dev 210

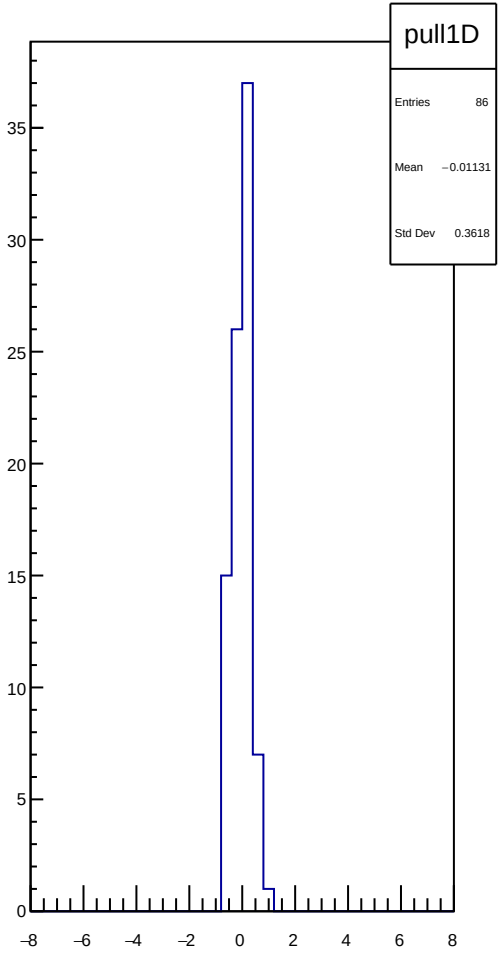

pull1D
Entries 86
Mean −0.05074
Std Dev 0.6076

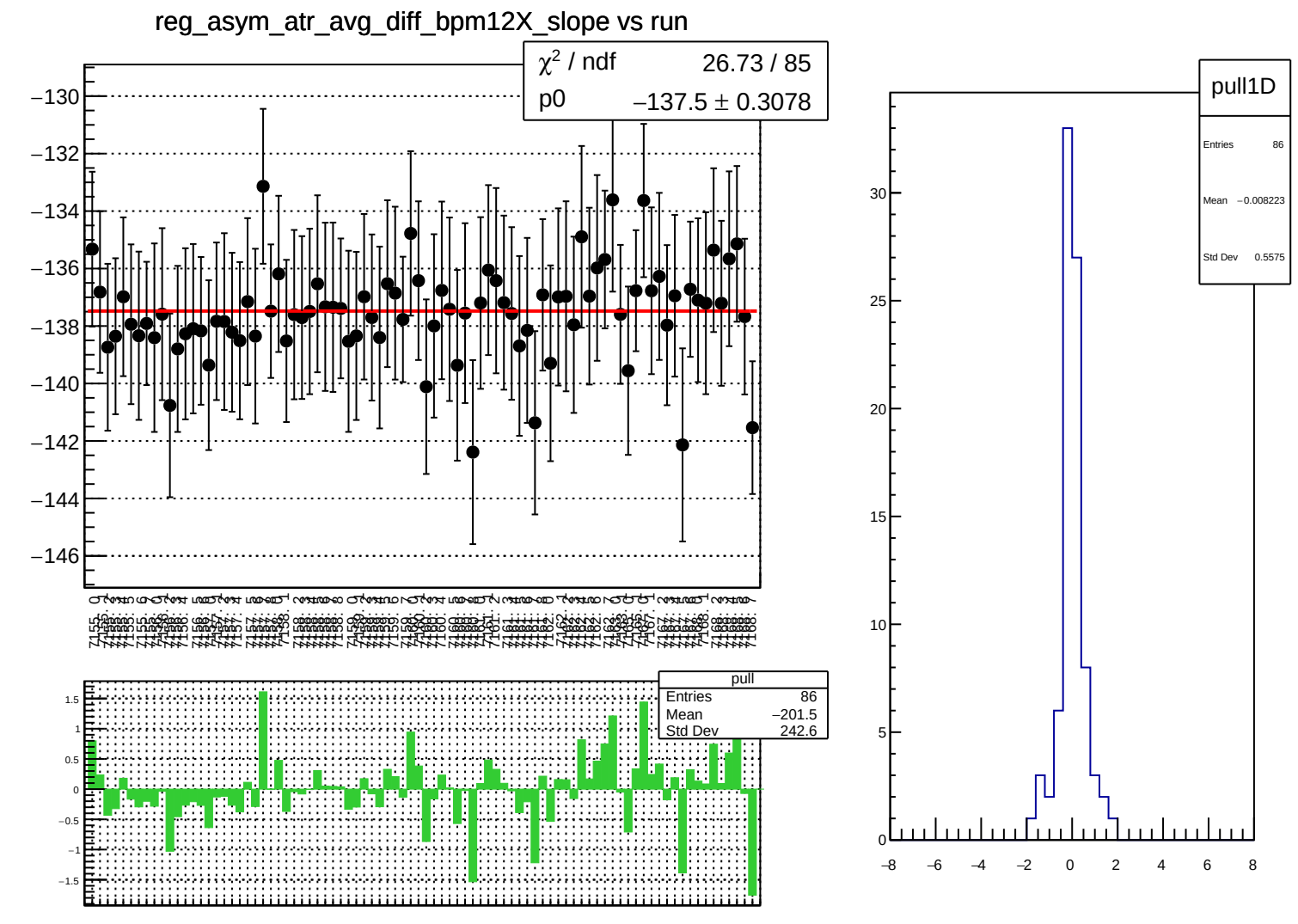

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.994 / 85
p0 −14.64 ± 6.78
100
50
0
−50
−100
−150
pull
Entries 86
Mean 1073
Std Dev 1026
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

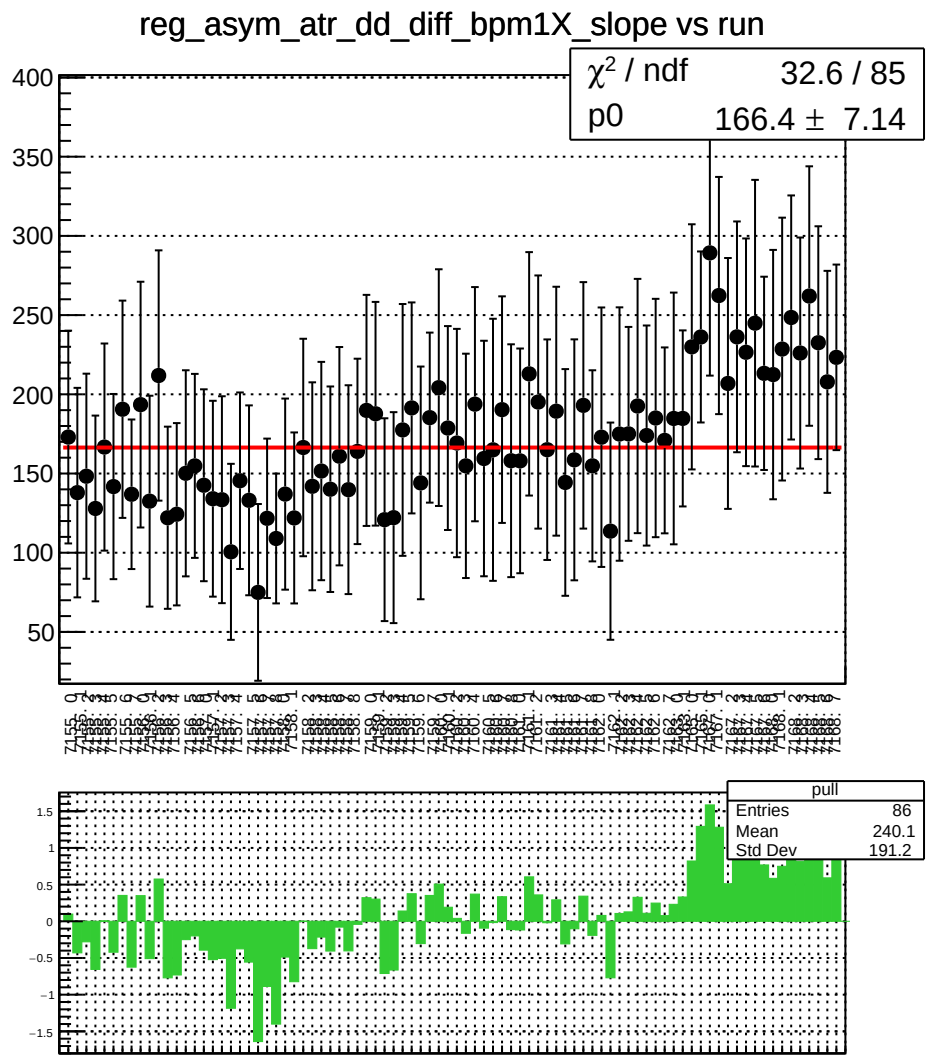

pull1D
Entries 86
Mean 0.004873
Std Dev 0.3409
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

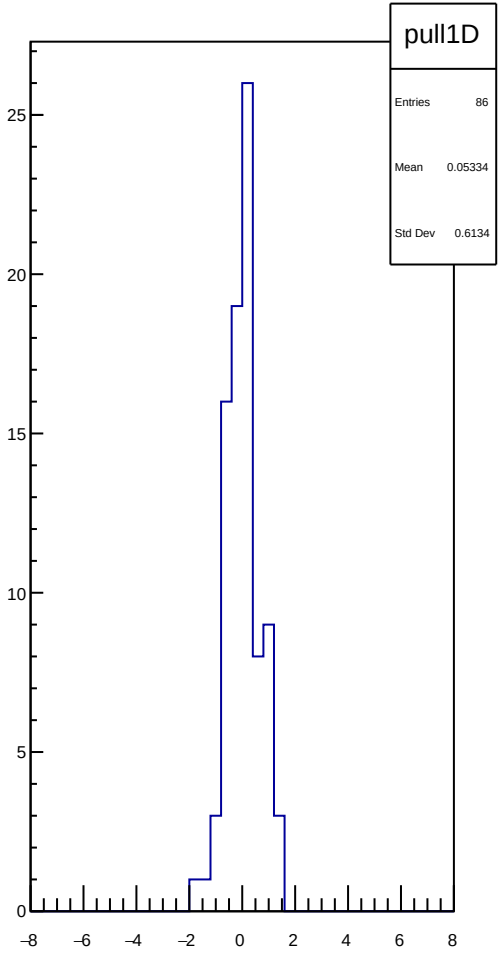

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.05 / 85
p0 229.1 ± 8.117
pull
Entries 86
Mean 263.1
Std Dev 215.8
pull1D
Entries 86
Mean 0.04839
Std Dev 0.5989

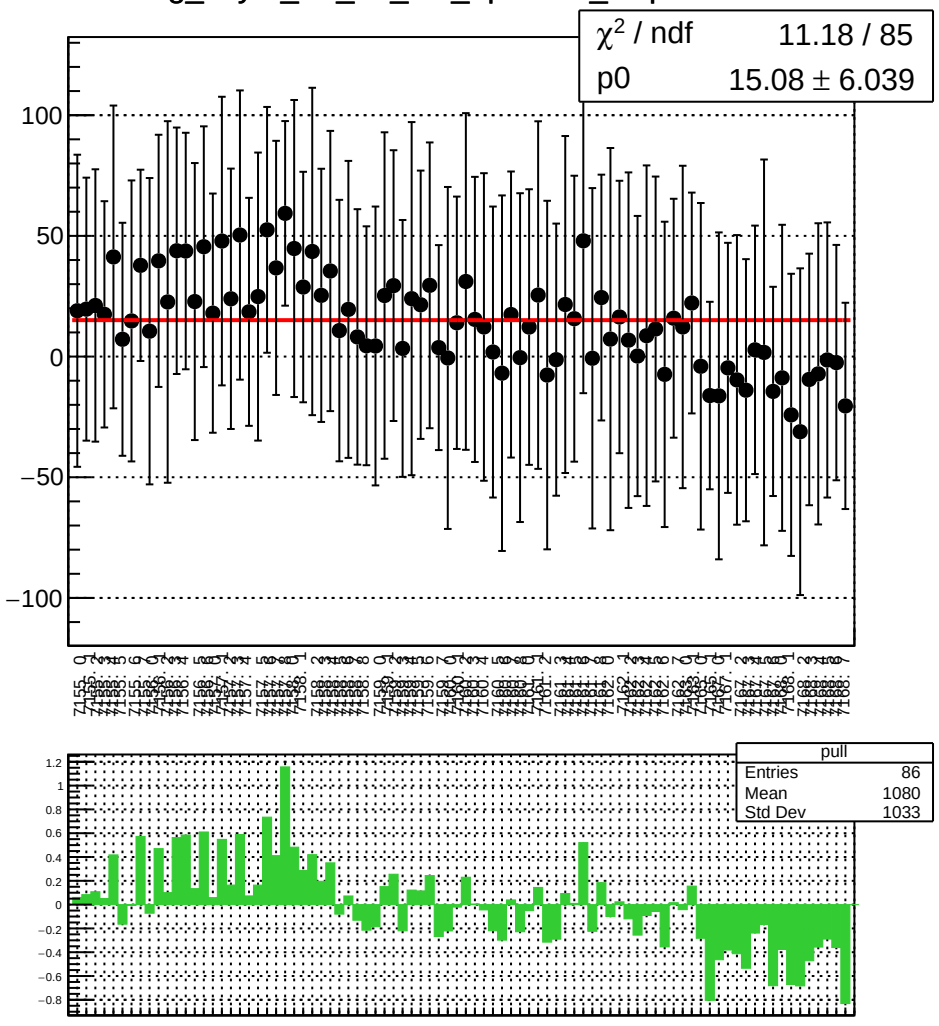

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.27 / 85
p0 90.48 ± 7.881
200
150
100
50
0
−50
pull
Entries 86
Mean 550.8
Std Dev 504.2
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

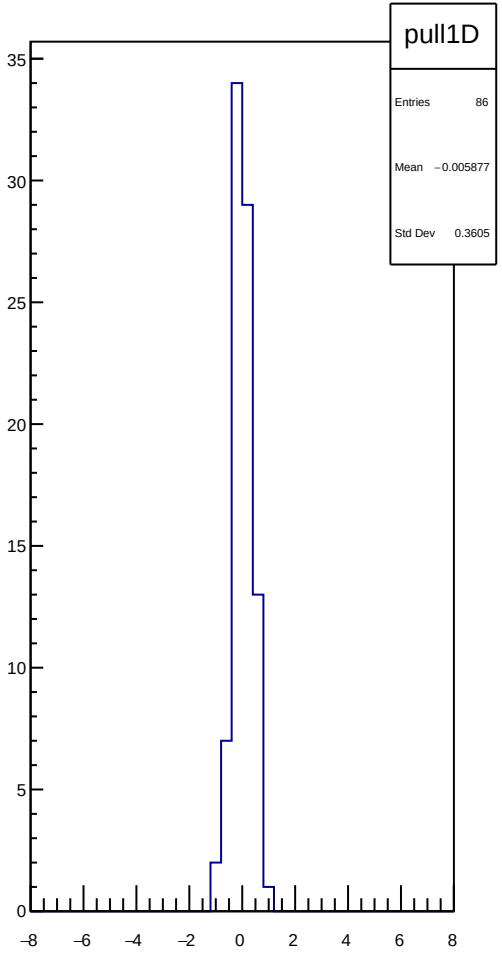

pull1D
Entries 86
Mean −0.01131
Std Dev 0.3618
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

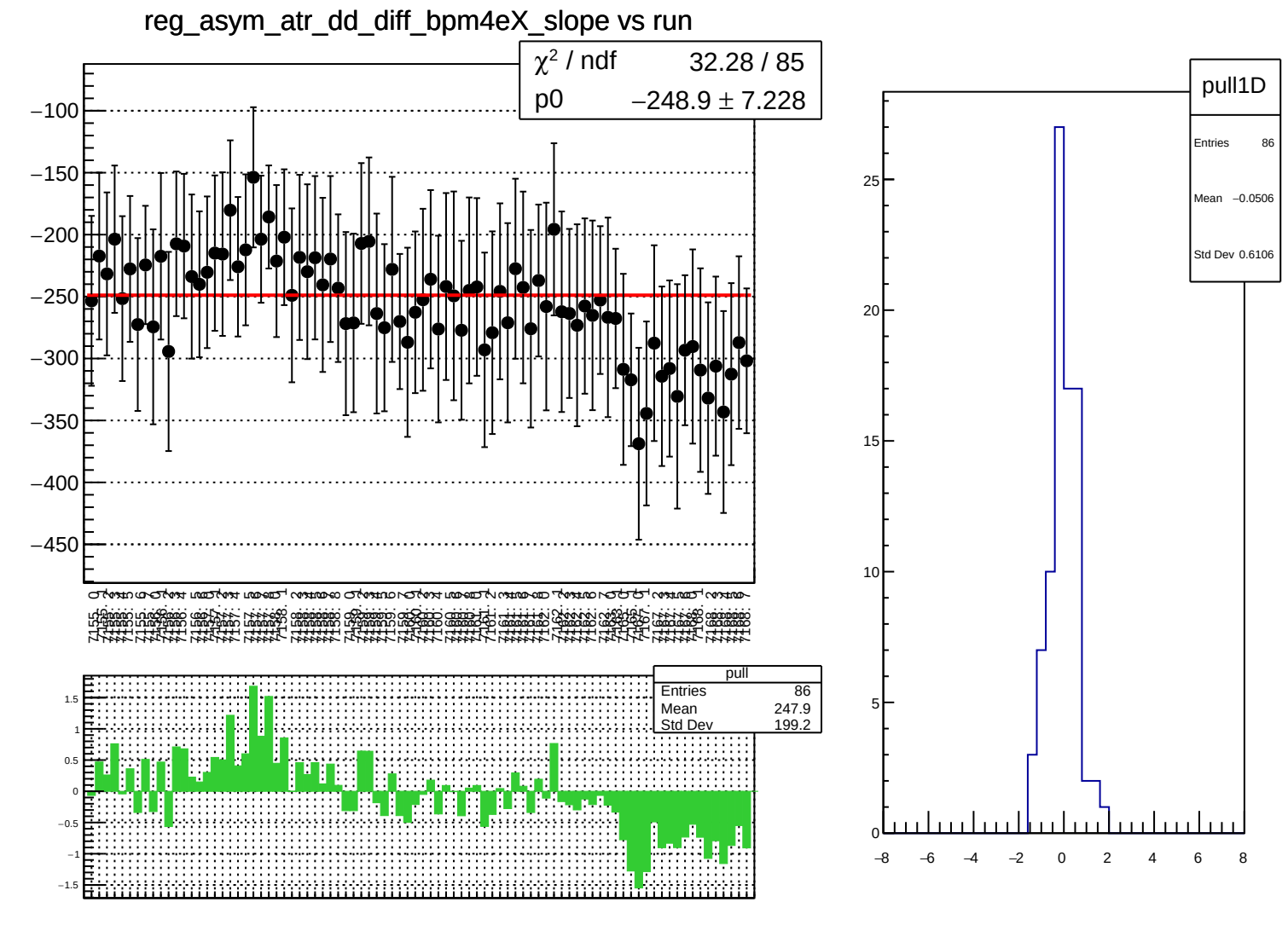

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 26.73 / 85
p0 −137.5 ± 0.3078
−130
−132
−134
−136
−138
−140
−142
−144
−146
pull
Entries 86
Mean −201.5
Std Dev 242.6
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.008223
Std Dev 0.5575
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

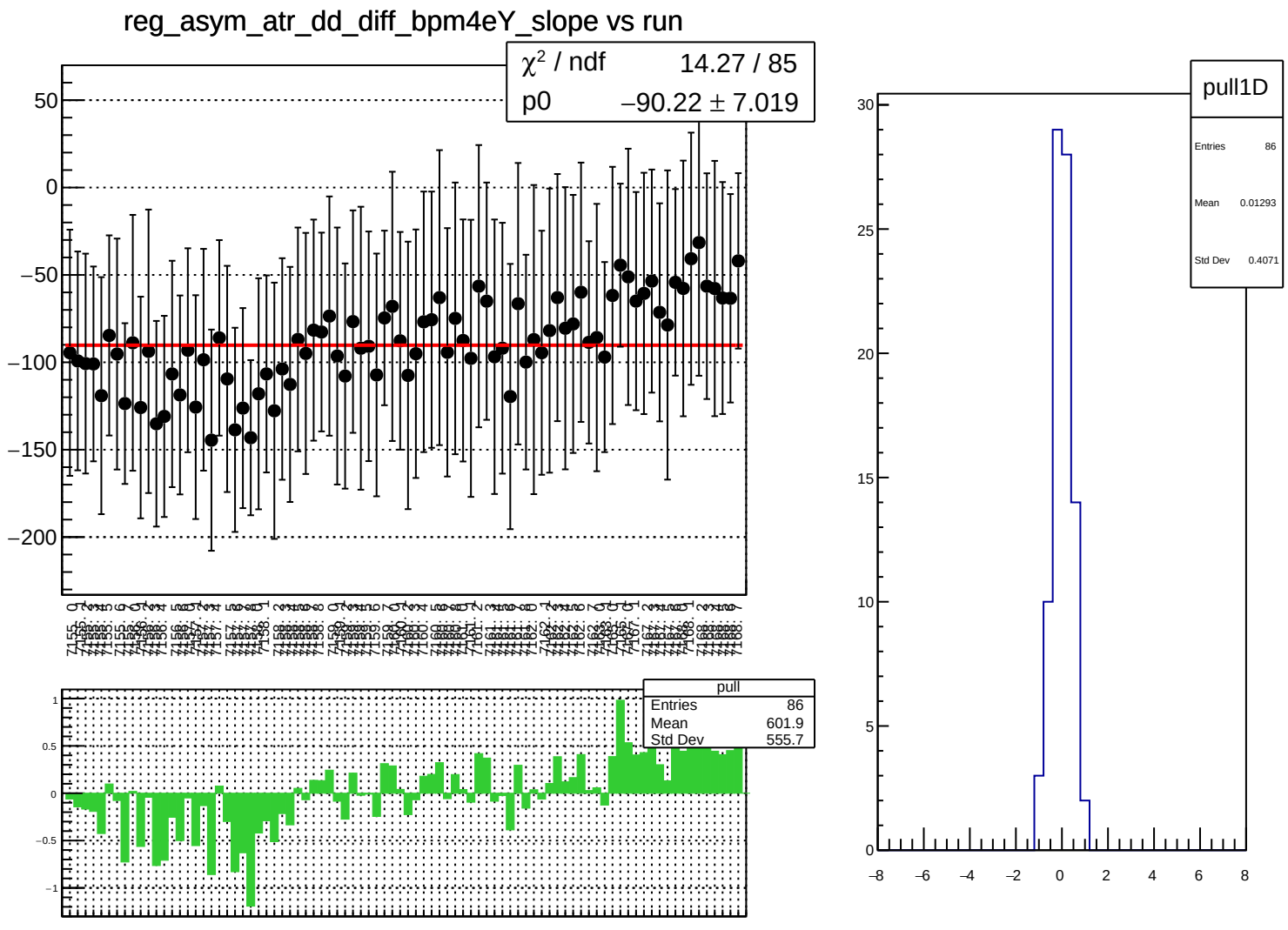

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 32.6 / 85
p0 166.4 ± 7.14
pull
Entries 86
Mean 240.1
Std Dev 191.2

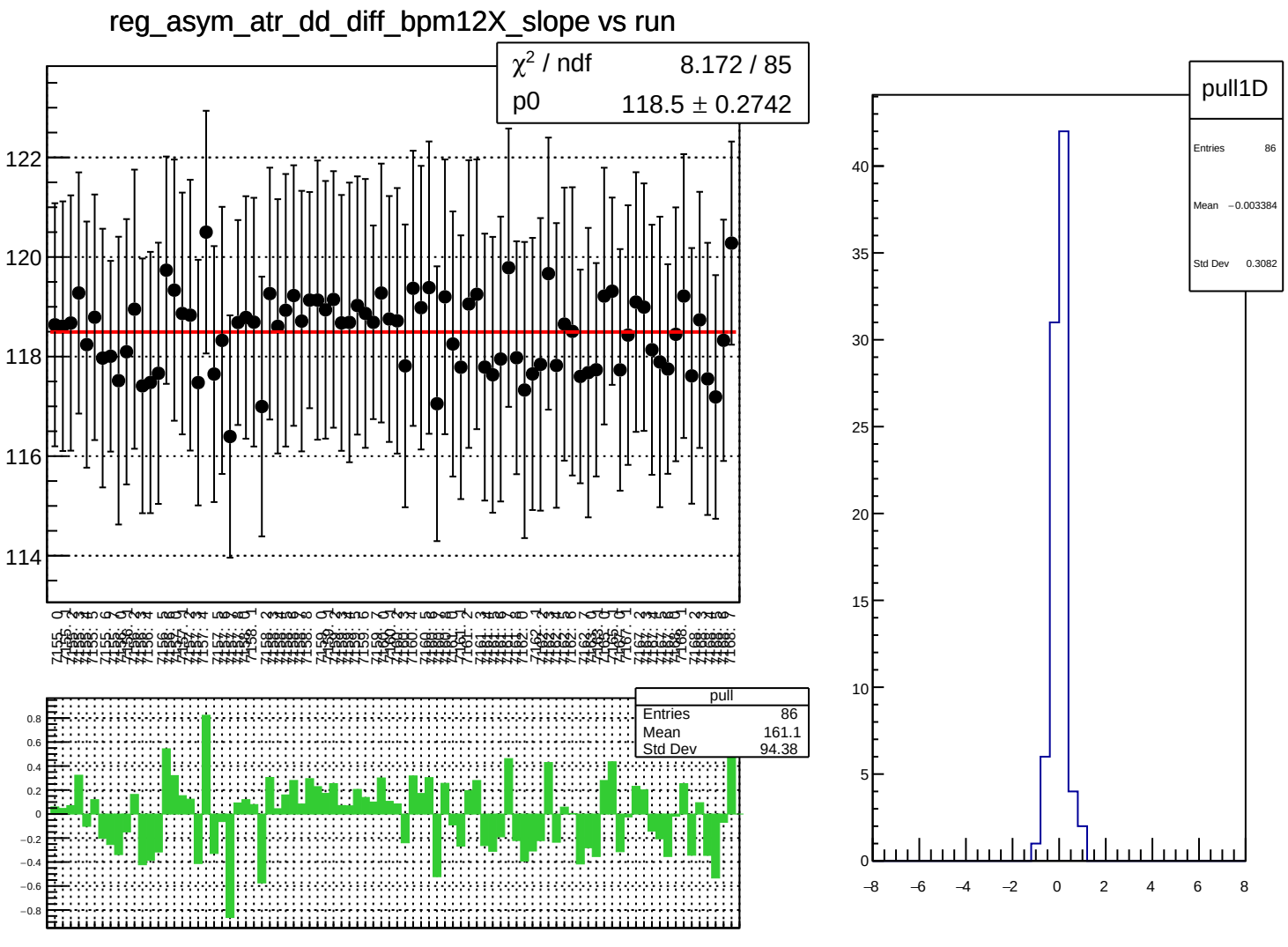

pull1D
Entries 86
Mean 0.05334
Std Dev 0.6134

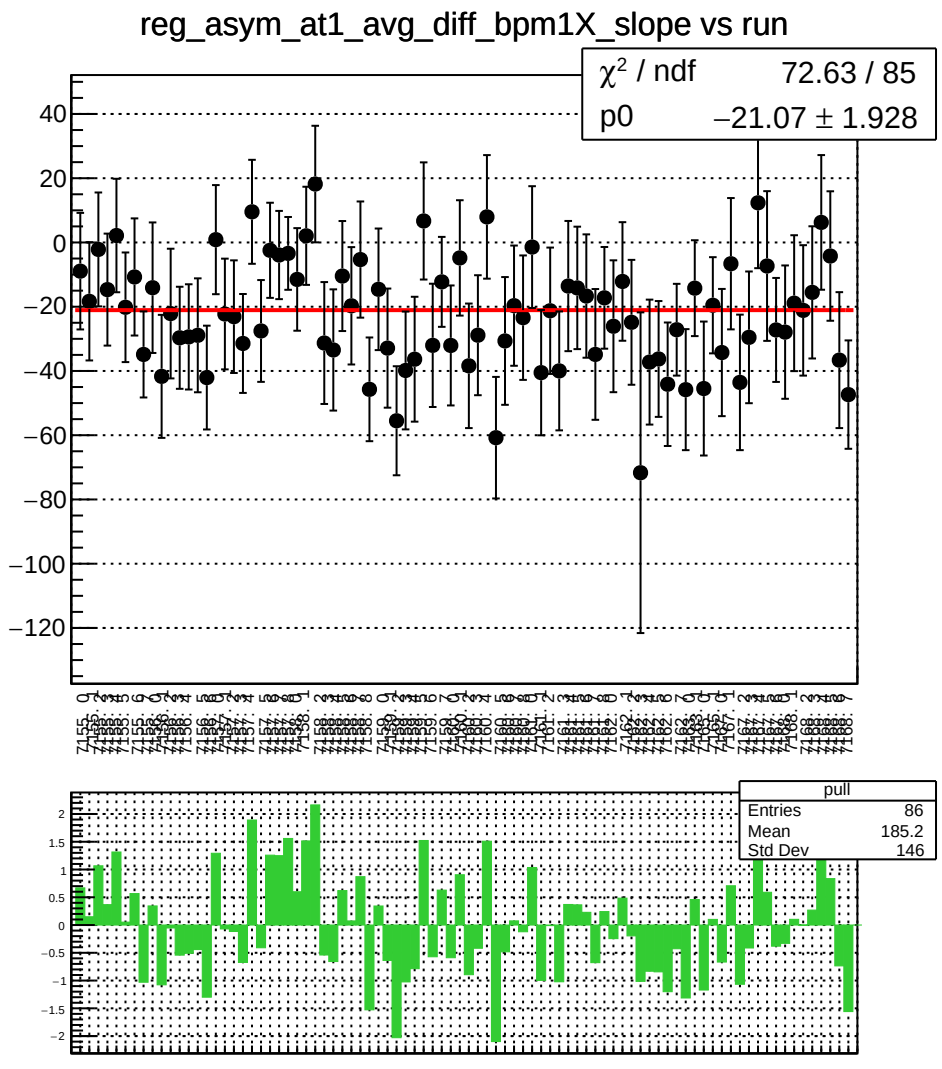

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.18 / 85
p0 15.08 ± 6.039
pull
Entries 86
Mean 1080
Std Dev 1033

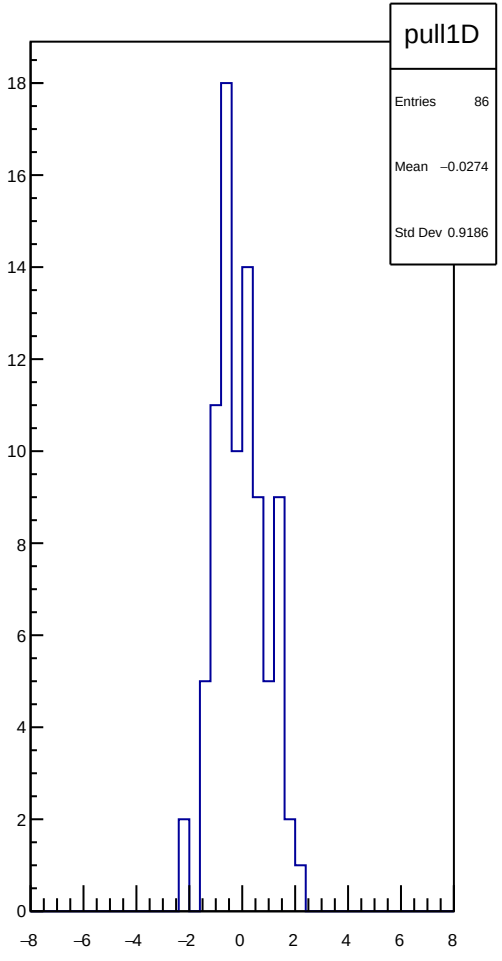

pull1D
Entries 86
Mean −0.005877
Std Dev 0.3605

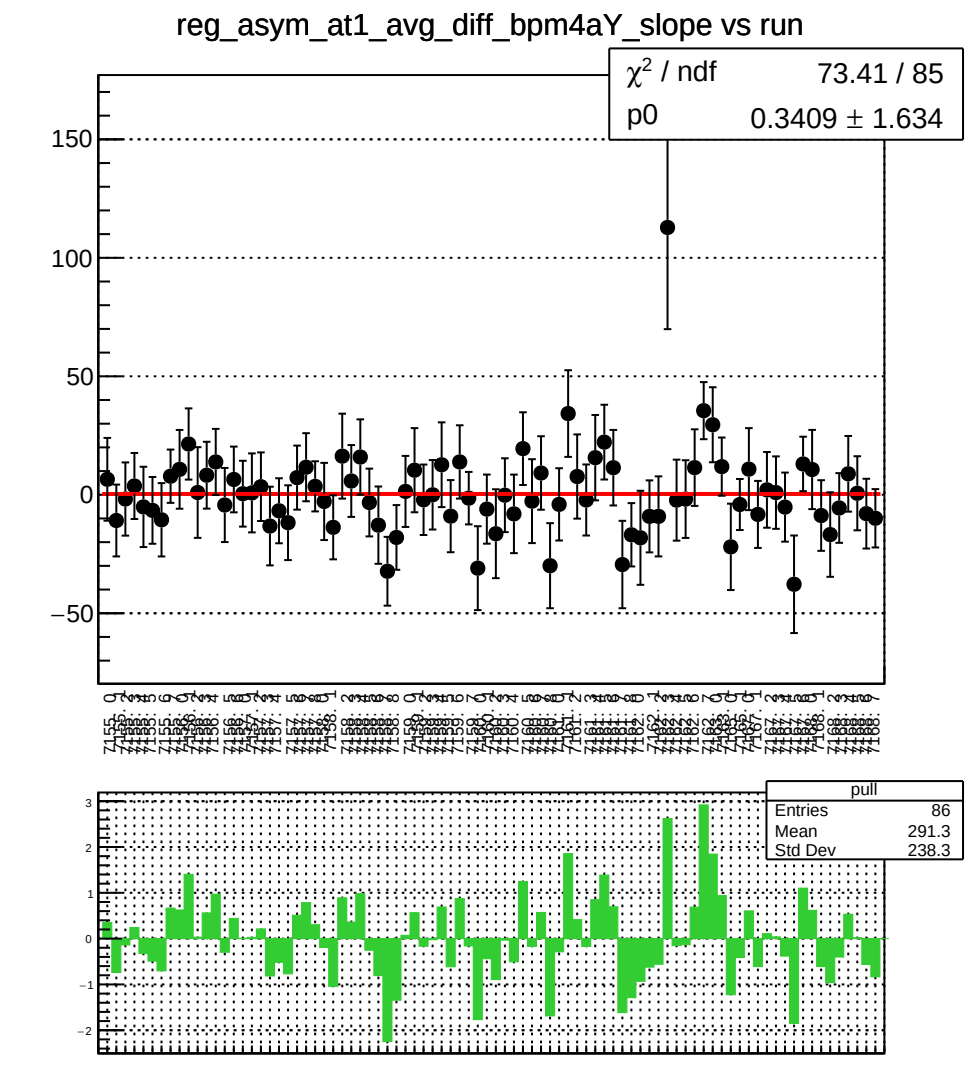

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.28 / 85
p0 −248.9 ± 7.228
−100
−150
−200
−250
−300
−350
−400
−450
pull
Entries 86
Mean 247.9
Std Dev 199.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.0506
Std Dev 0.6106
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

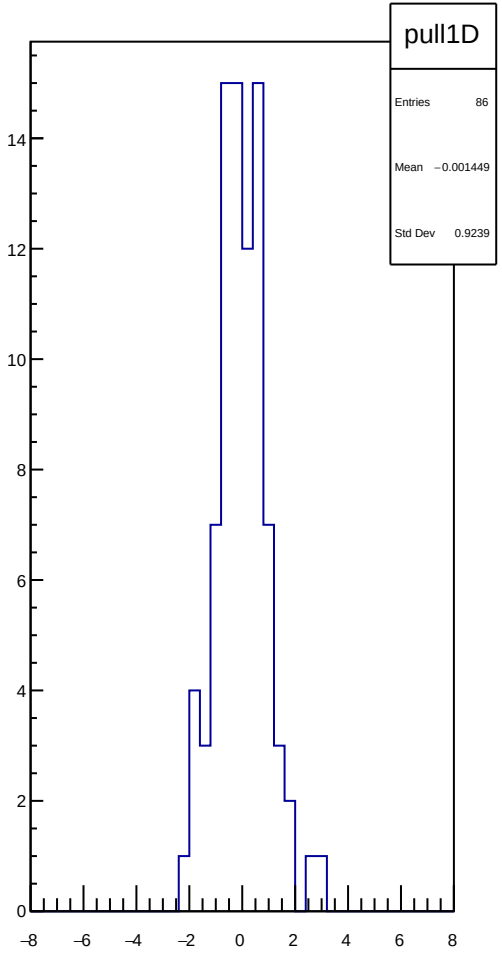

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.27 / 85
p0 −90.22 ± 7.019
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 601.9
Std Dev 555.7
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean 0.01293
Std Dev 0.4071
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

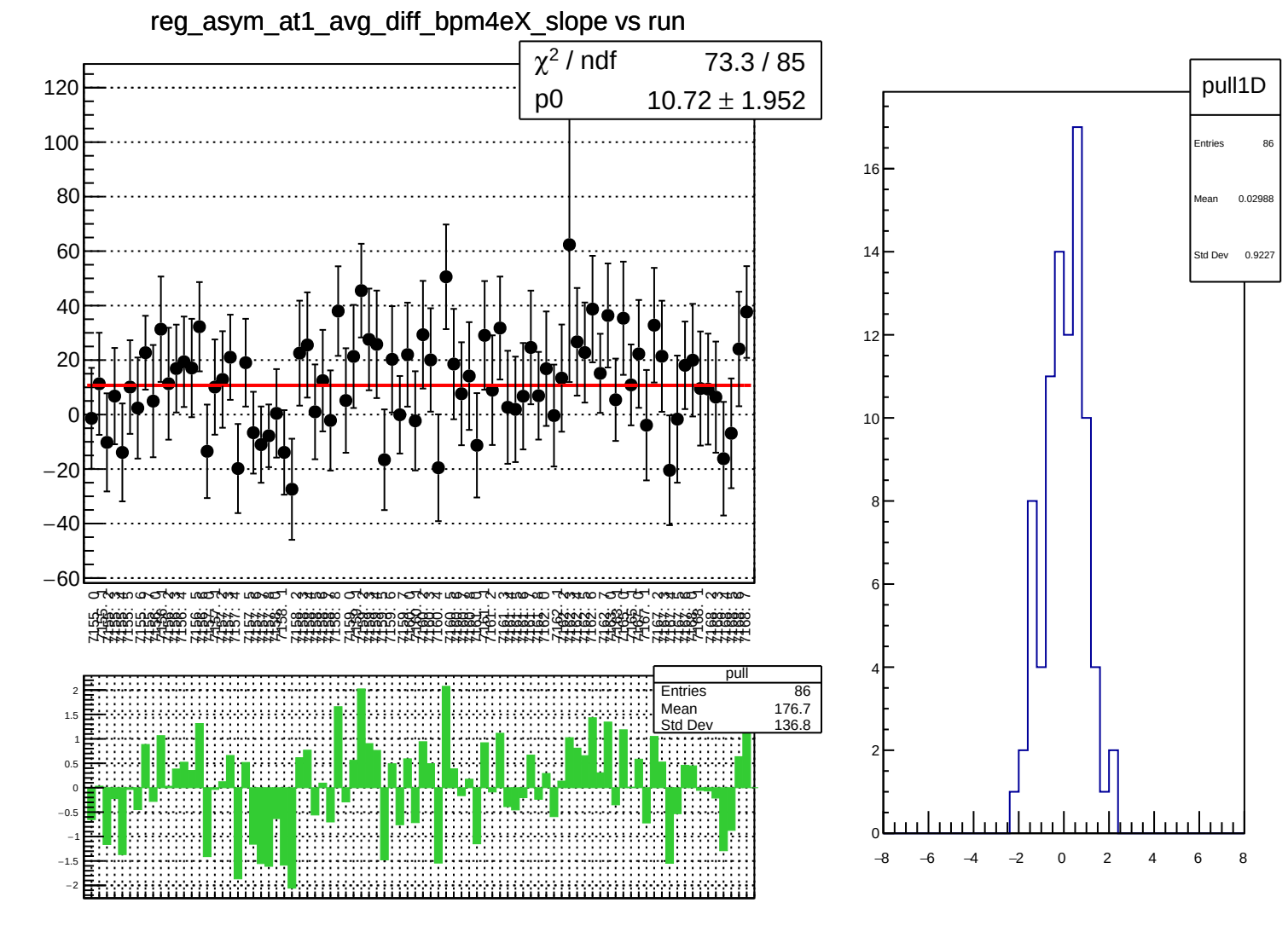

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 8.172 / 85
p0 118.5 ± 0.2742
122
120
118
116
114
pull
Entries 86
Mean 161.1
Std Dev 94.38
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 86
Mean −0.003384
Std Dev 0.3082
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

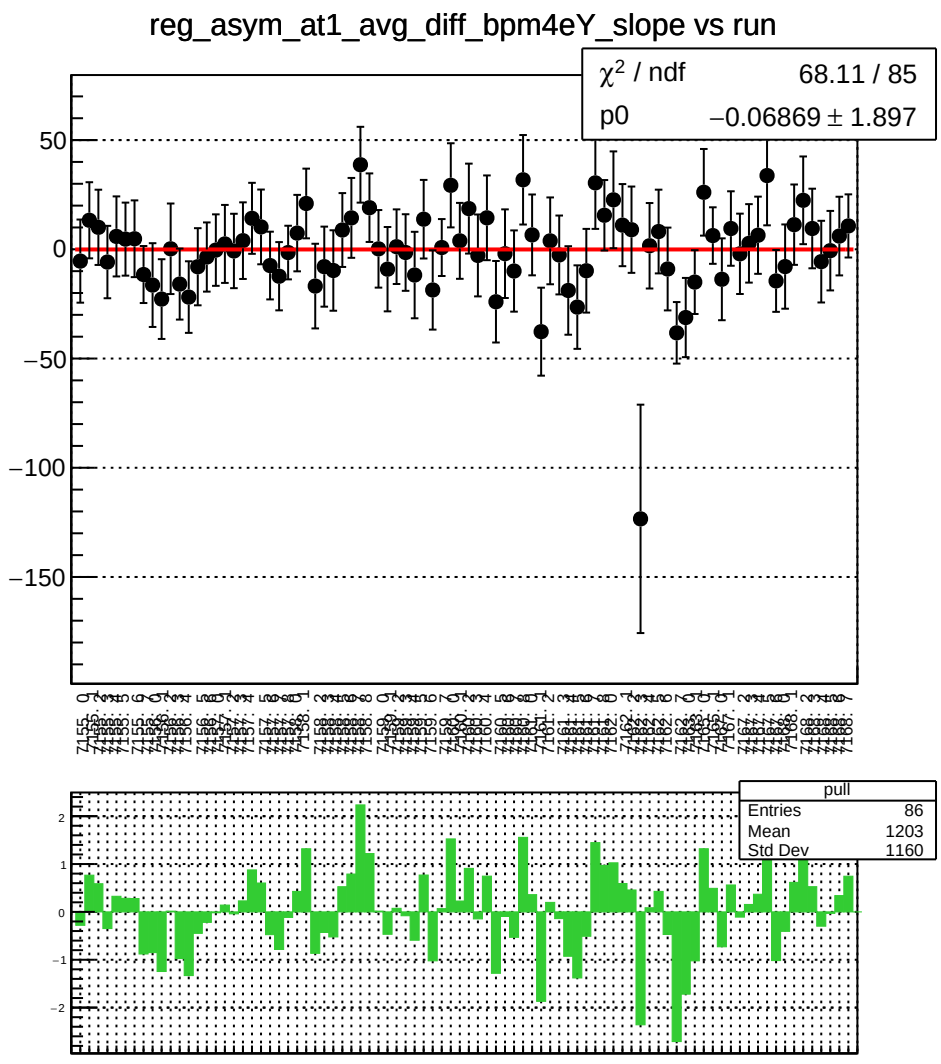

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 72.63 / 85
p0 −21.07 ± 1.928
pull
Entries 86
Mean 185.2
Std Dev 146

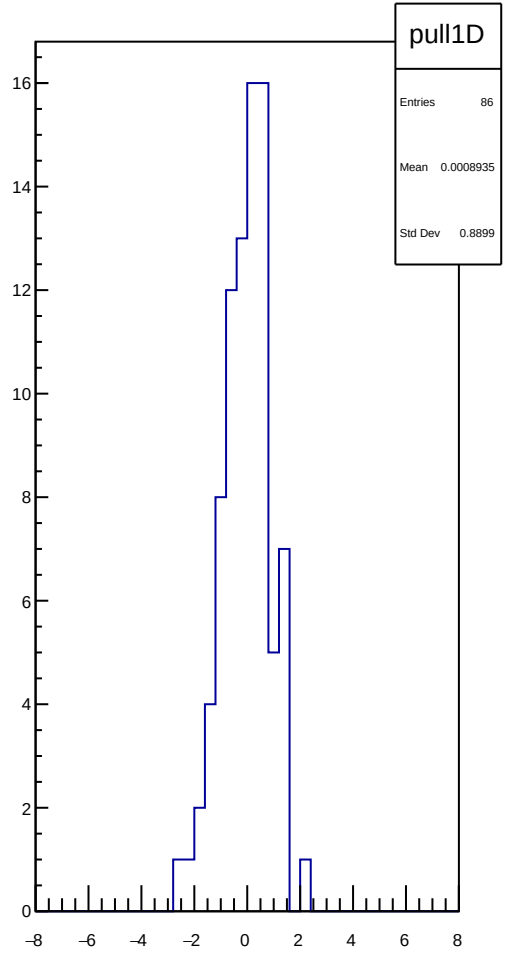

pull1D
Entries 86
Mean −0.0274
Std Dev 0.9186

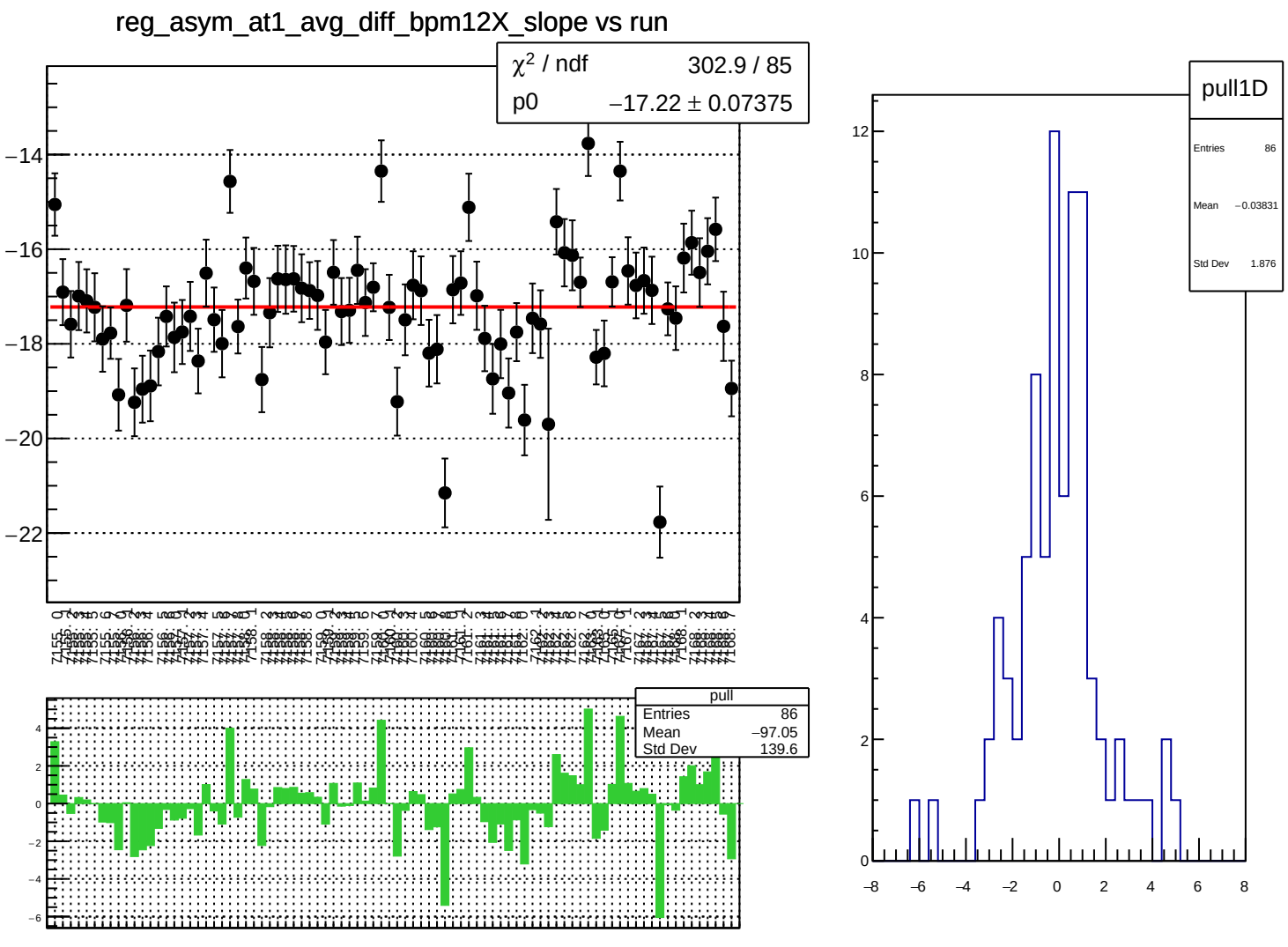

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.41 / 85
p0 0.3409 ± 1.634
150
100
50
0
−50
pull
Entries 86
Mean 291.3
Std Dev 238.3
3
2
1
0
−1
−2

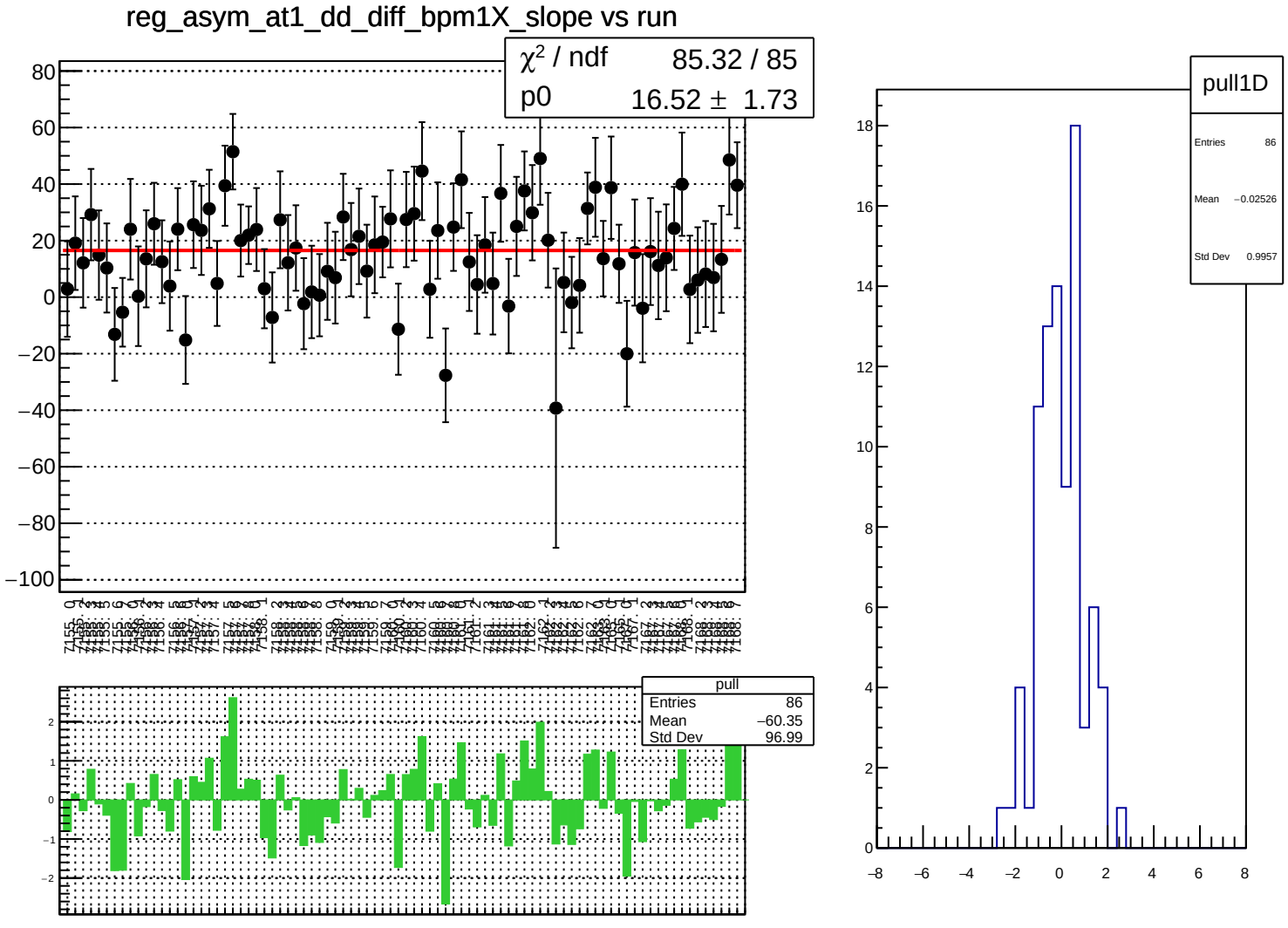

pull1D
Entries 86
Mean −0.001449
Std Dev 0.9239
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

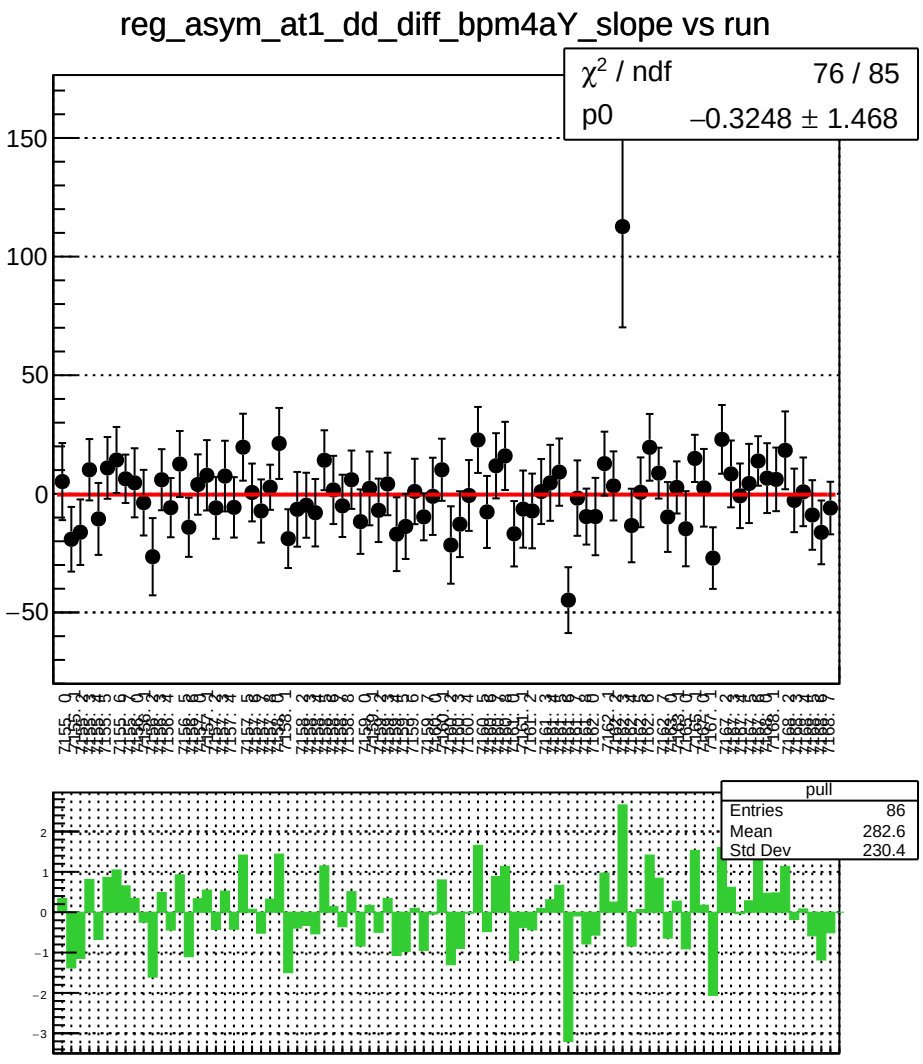

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.3 / 85
p0 10.72 ± 1.952
pull
Entries 86
Mean 176.7
Std Dev 136.8
pull1D
Entries 86
Mean 0.02988
Std Dev 0.9227

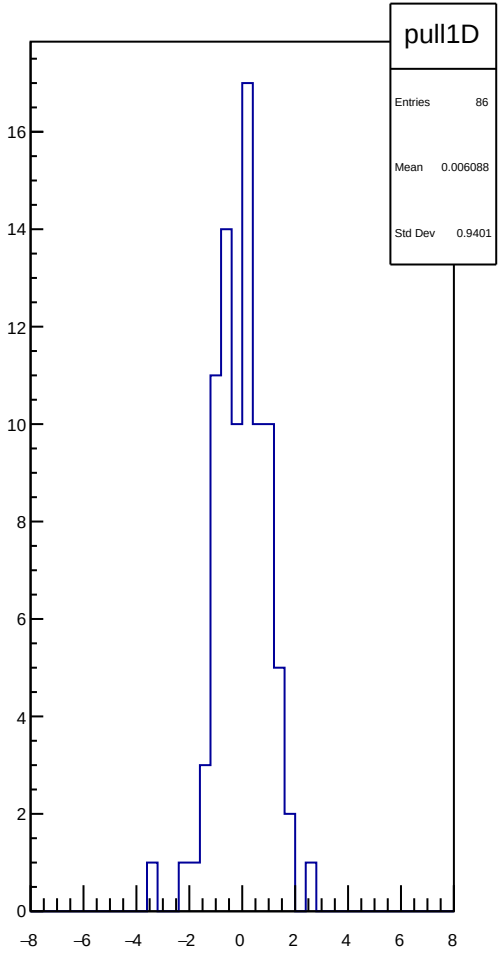

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 68.11 / 85
p0 −0.06869 ± 1.897
50
0
−50
−100
−150
pull
Entries 86
Mean 1203
Std Dev 1160
2
1
0
−1
−2

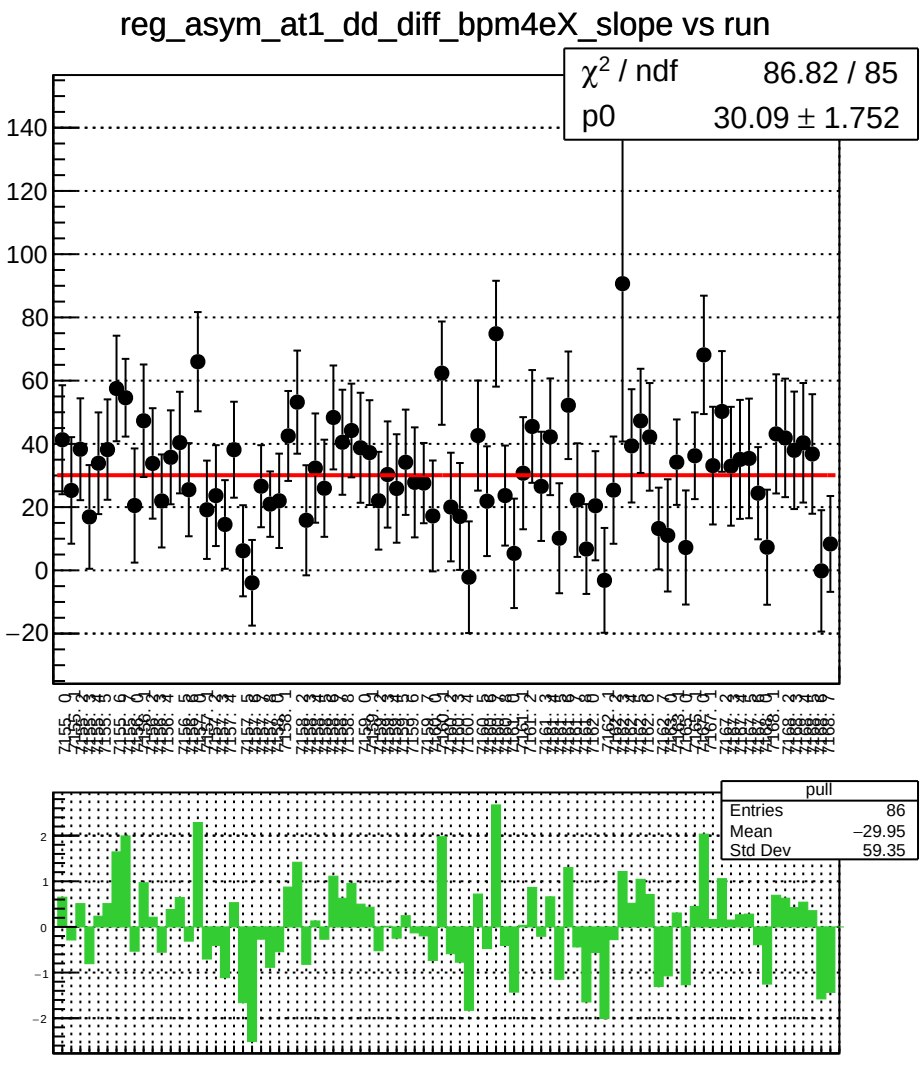

pull1D
Entries 86
Mean 0.0008935
Std Dev 0.8899
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

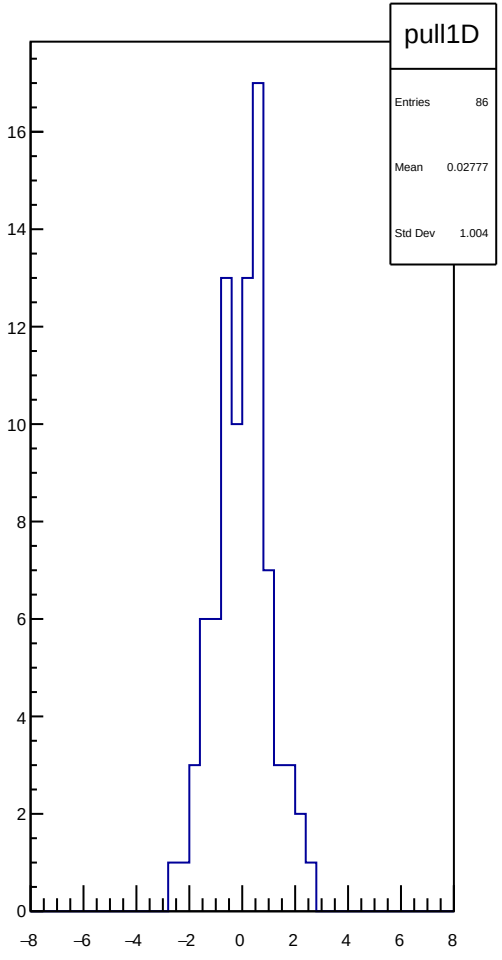

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 302.9 / 85
p0 −17.22 ± 0.07375
−14
−16
−18
−20
−22
pull
Entries 86
Mean −97.05
Std Dev 139.6
pull1D
Entries 86
Mean −0.03831
Std Dev 1.876

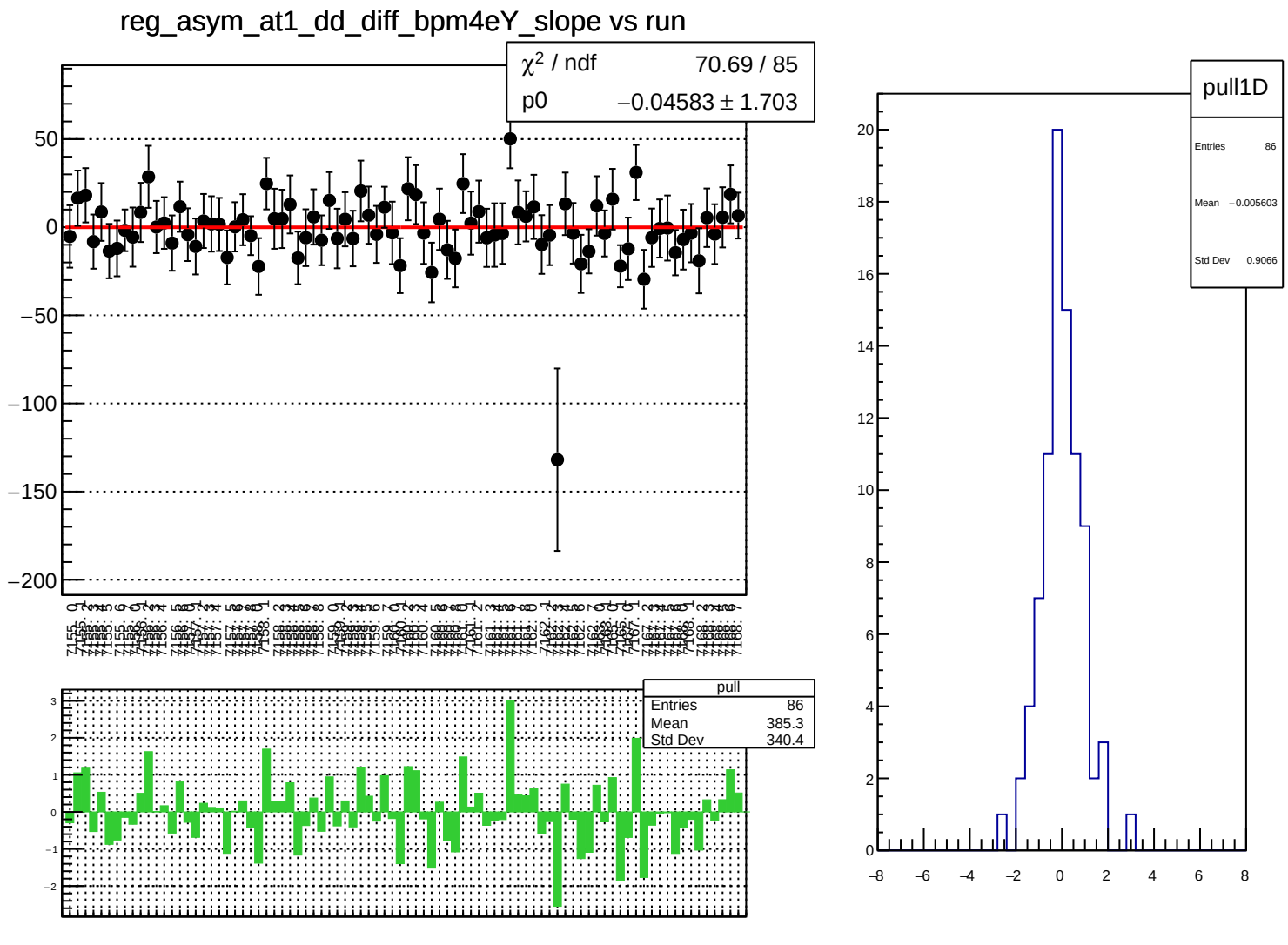

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 85.32 / 85
p0 16.52 ± 1.73
pull
Entries 86
Mean −60.35
Std Dev 96.99
pull1D
Entries 86
Mean −0.02526
Std Dev 0.9957

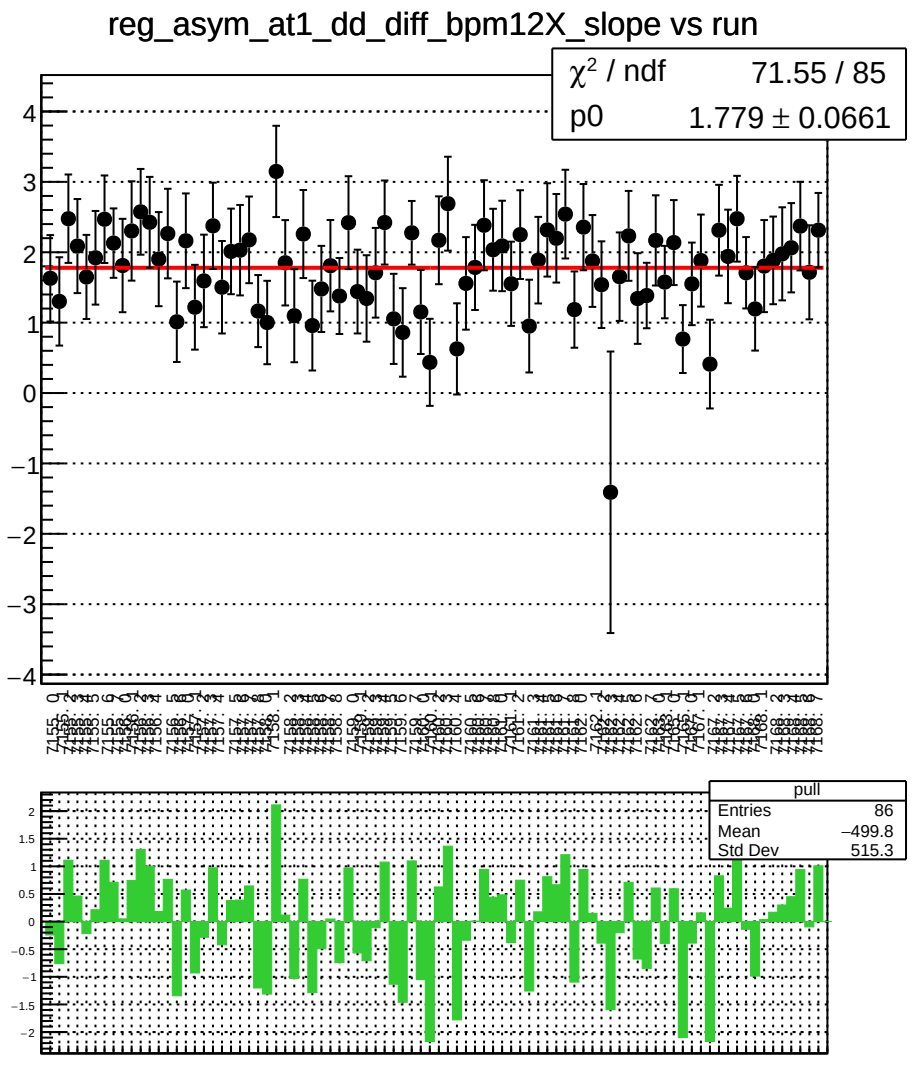

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 76 / 85
p0 −0.3248 ± 1.468
150
100
50
0
−50
pull
Entries 86
Mean 282.6
Std Dev 230.4
2
1
0
−1
−2
−3

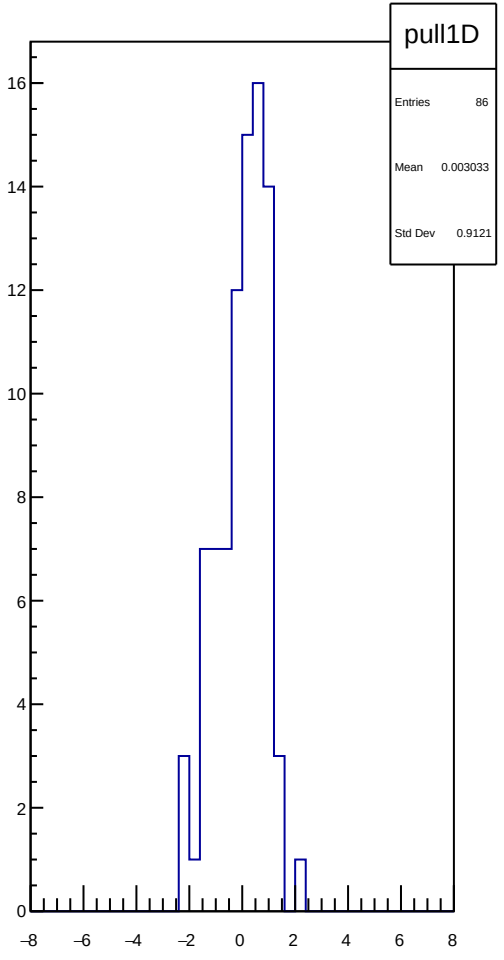

pull1D
Entries 86
Mean 0.006088
Std Dev 0.9401
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

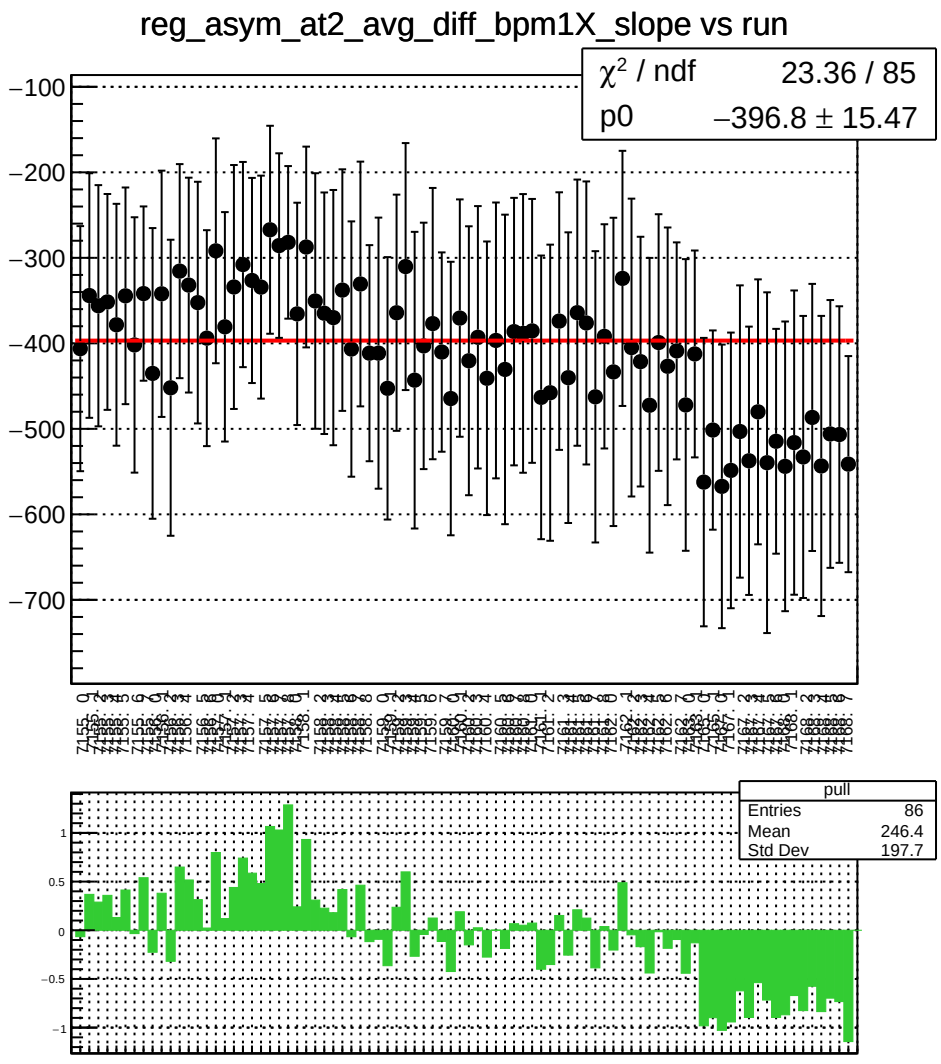

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 86.82 / 85
p0 30.09 ± 1.752
pull
Entries 86
Mean −29.95
Std Dev 59.35

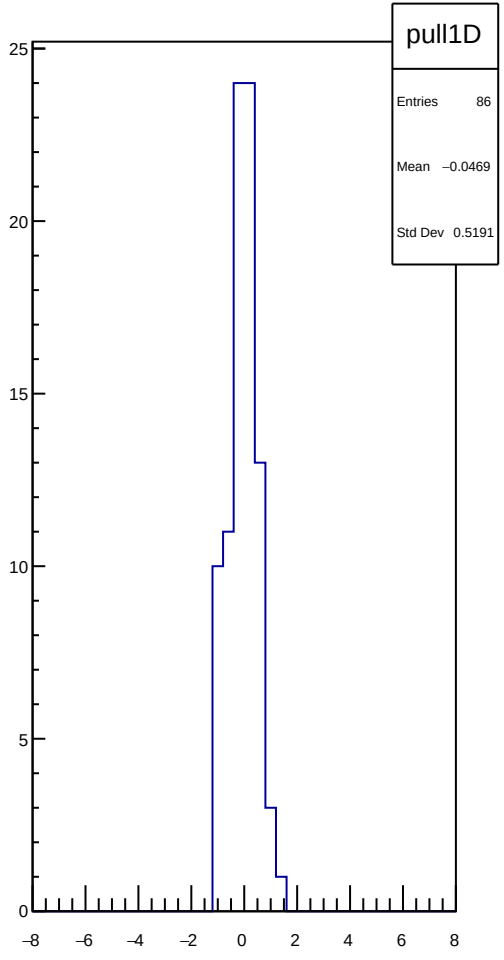

pull1D
Entries 86
Mean 0.02777
Std Dev 1.004

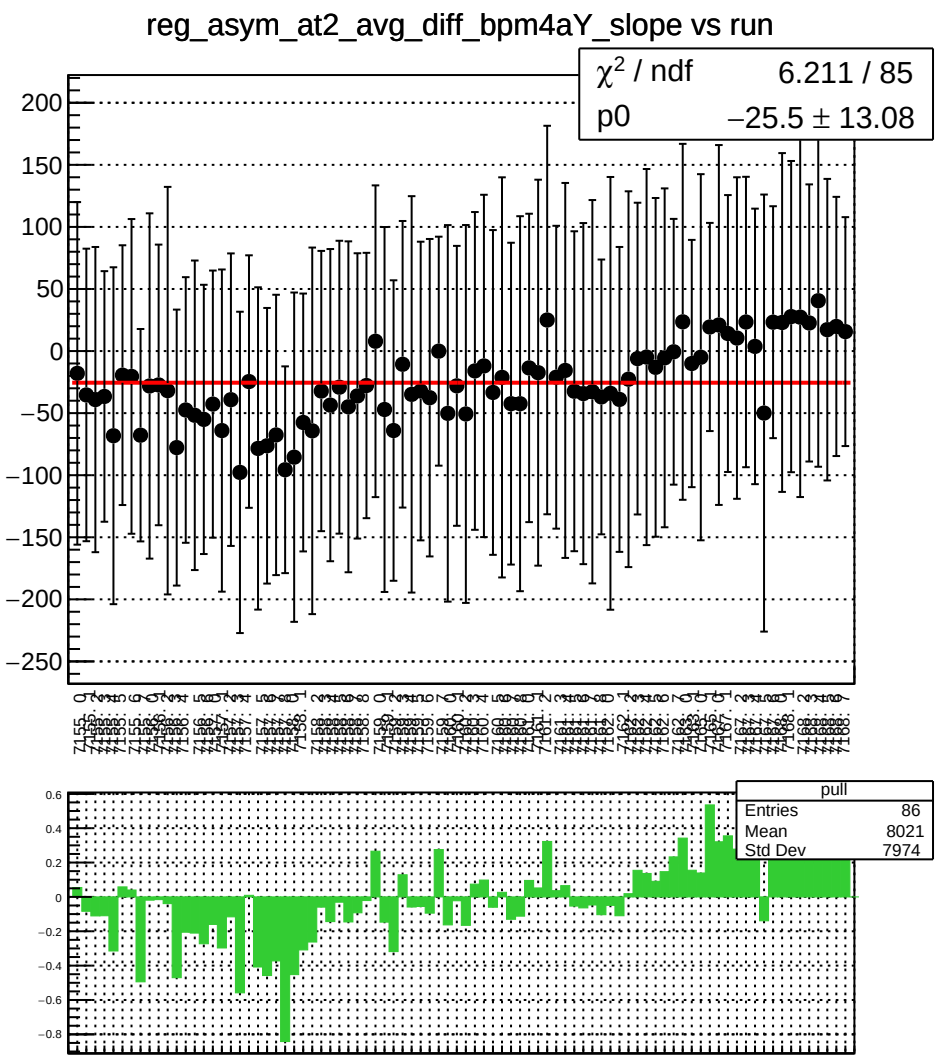

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.69 / 85
p0 −0.04583 ± 1.703
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 385.3
Std Dev 340.4
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.005603
Std Dev 0.9066
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

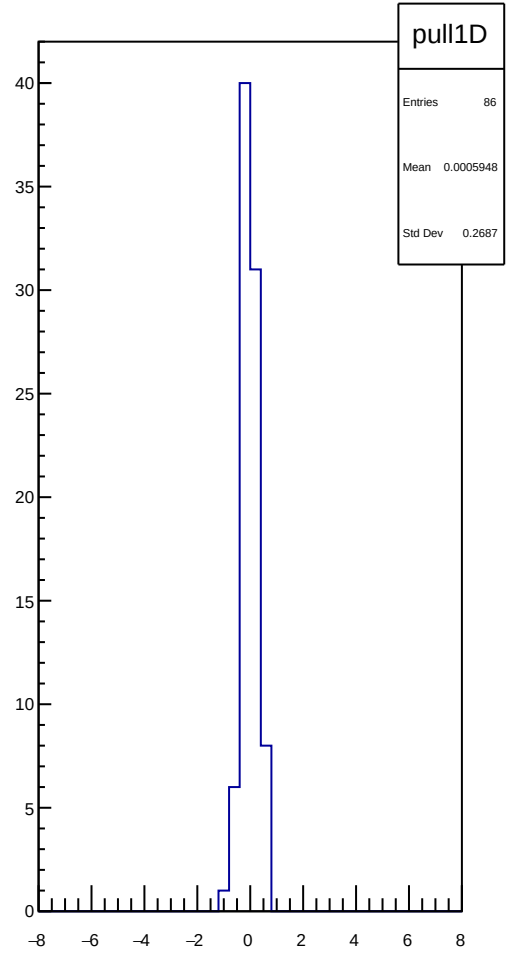

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 71.55 / 85
p0 1.779 ± 0.0661
pull
Entries 86
Mean −499.8
Std Dev 515.3

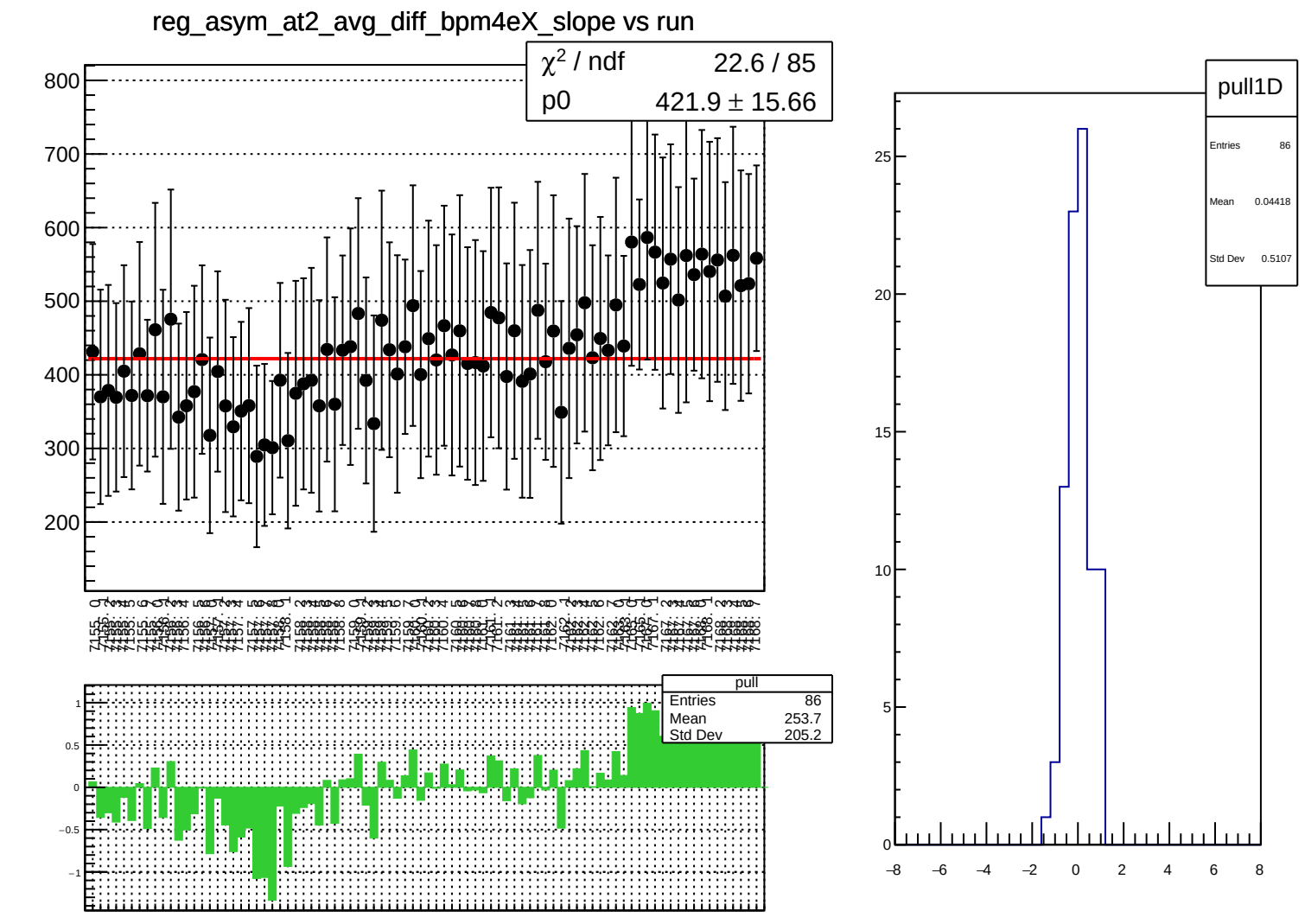

pull1D
Entries 86
Mean 0.003033
Std Dev 0.9121

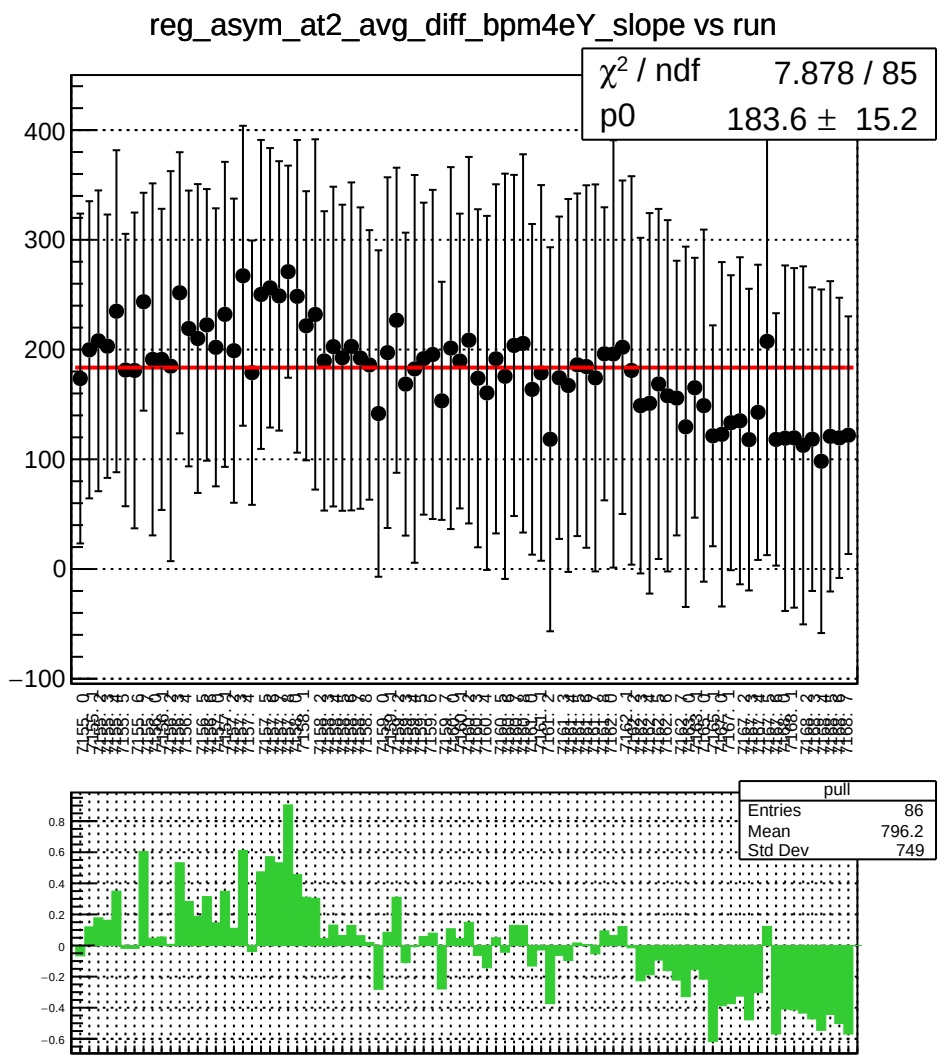

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 23.36 / 85
p0 −396.8 ± 15.47
−100
−200
−300
−400
−500
−600
−700
pull
Entries 86
Mean 246.4
Std Dev 197.7
1
0.5
0
−0.5
−1

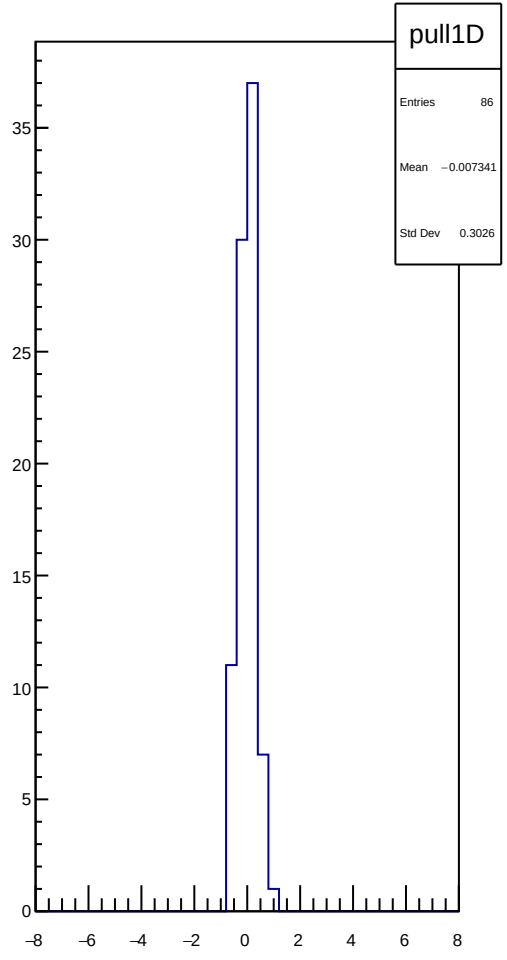

pull1D
Entries 86
Mean −0.0469
Std Dev 0.5191
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

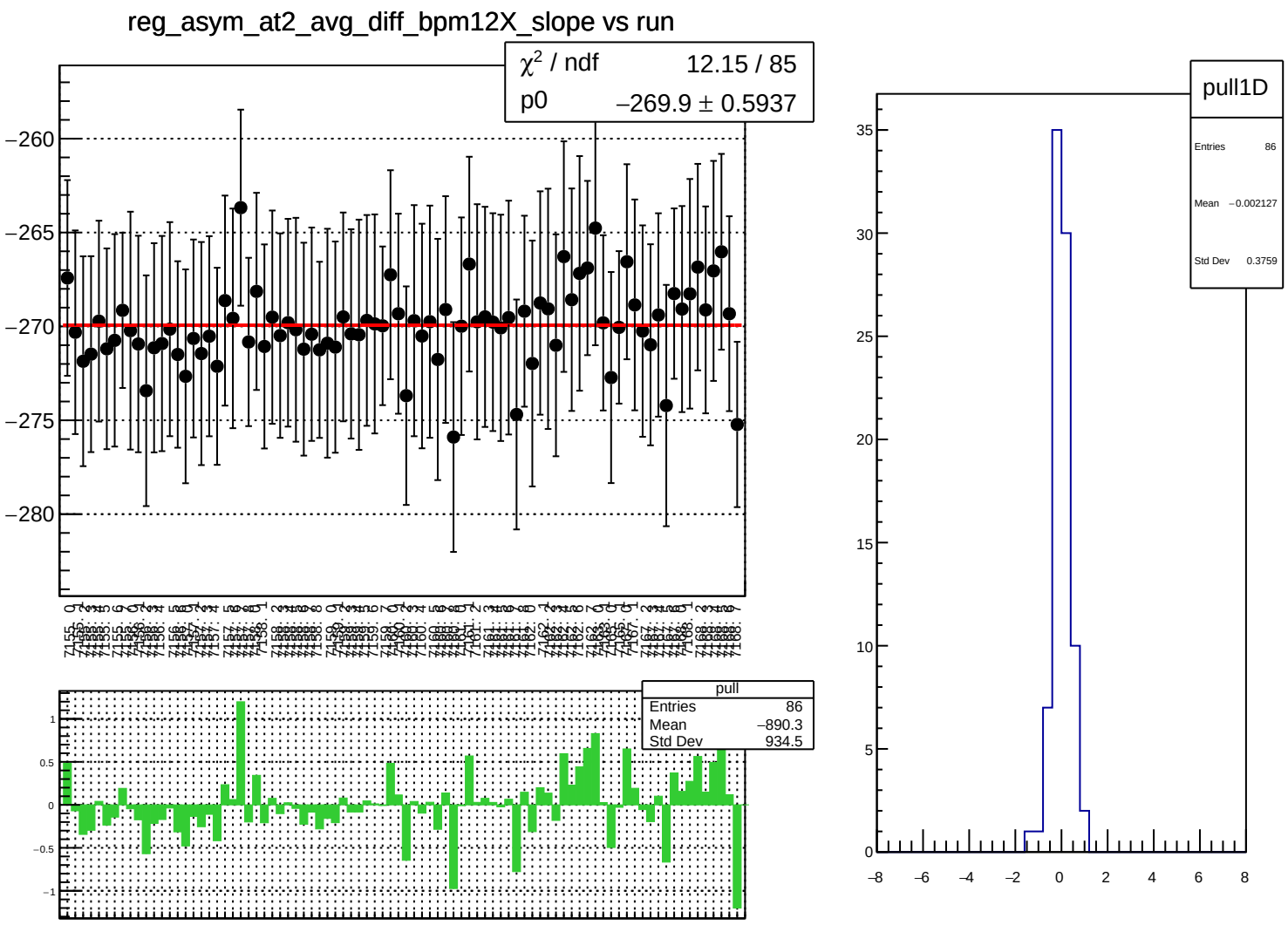

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.211 / 85
p0 −25.5 ± 13.08
pull
Entries 86
Mean 8021
Std Dev 7974

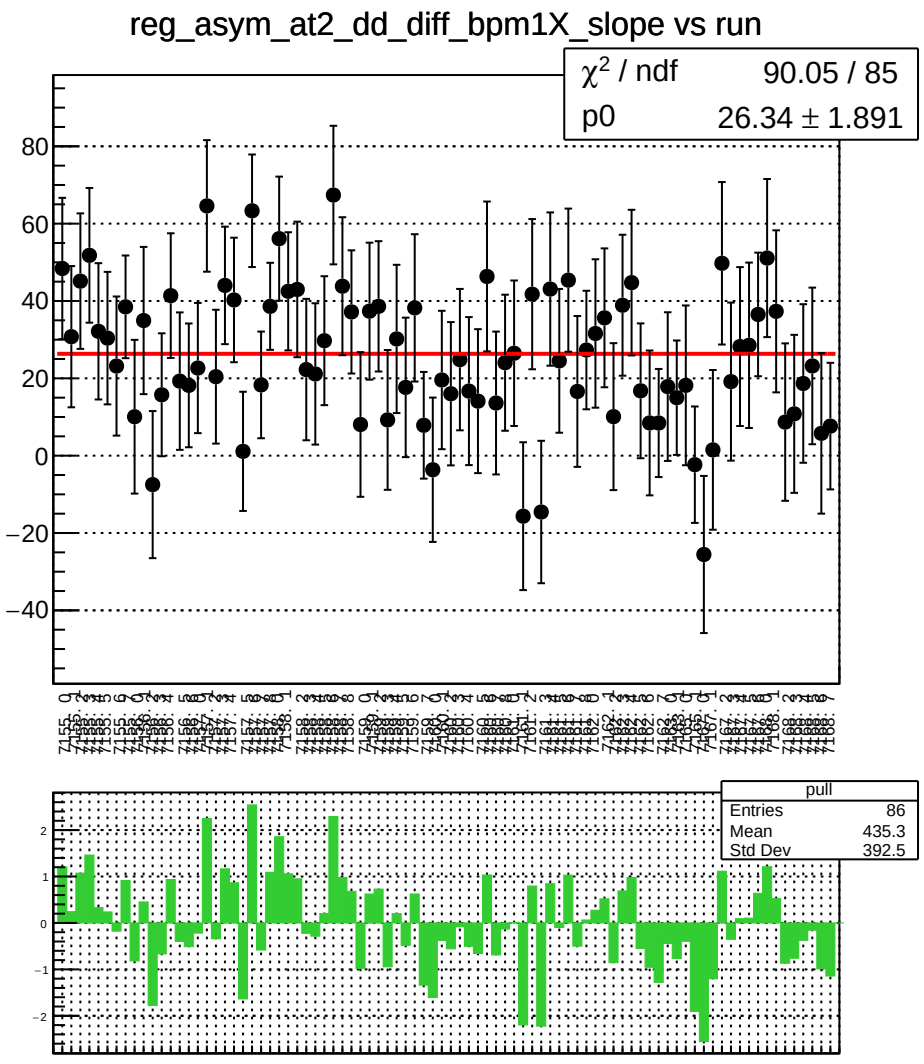

pull1D
Entries 86
Mean 0.0005948
Std Dev 0.2687

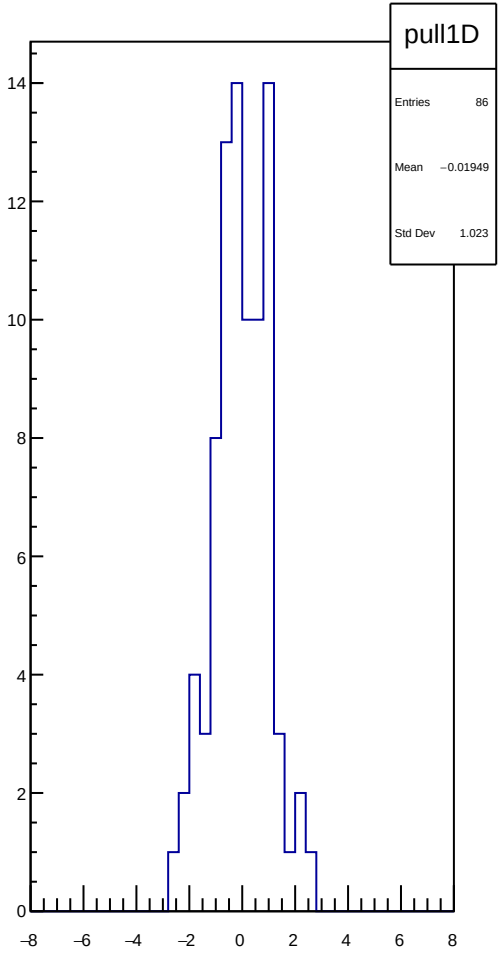

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.6 / 85
p0 421.9 ± 15.66
800
700
600
500
400
300
200
pull
Entries 86
Mean 253.7
Std Dev 205.2
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean 0.04418
Std Dev 0.5107
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

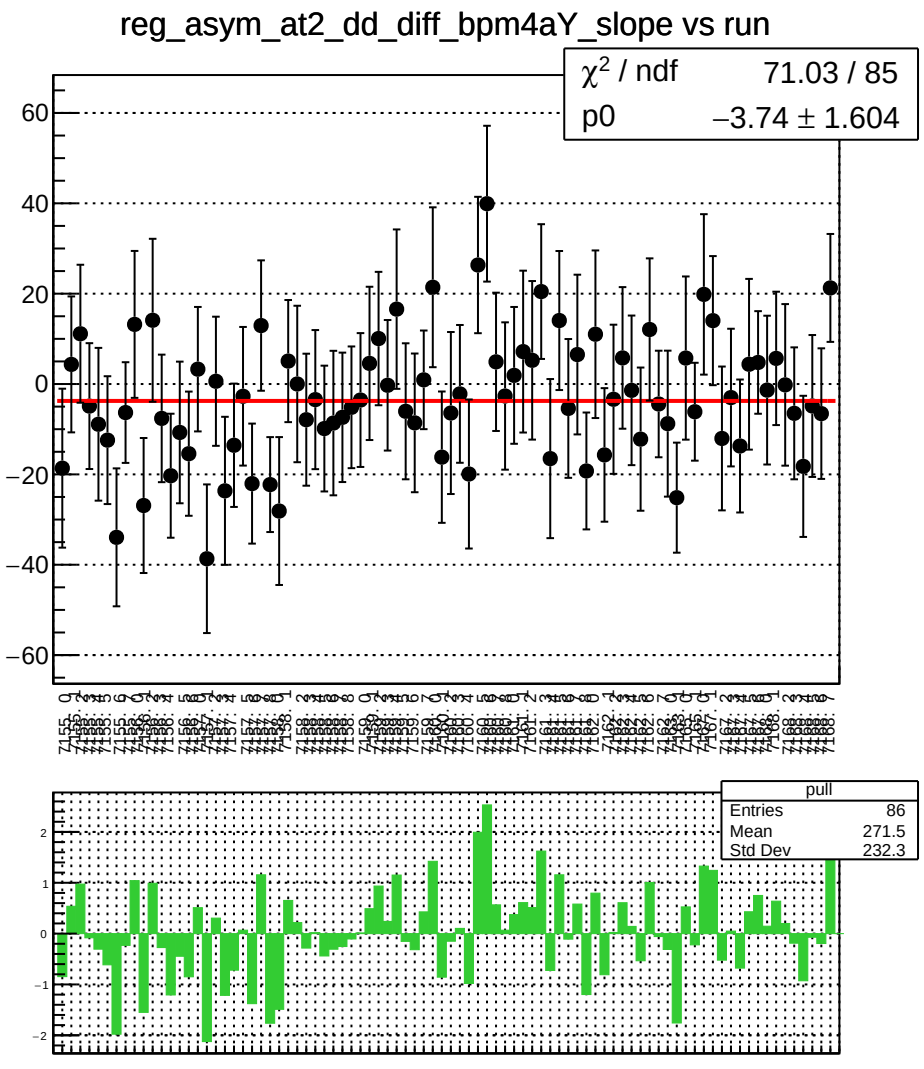

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.878 / 85
p0 183.6 ± 15.2
400
300
200
100
0
−100
pull
Entries 86
Mean 796.2
Std Dev 749
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

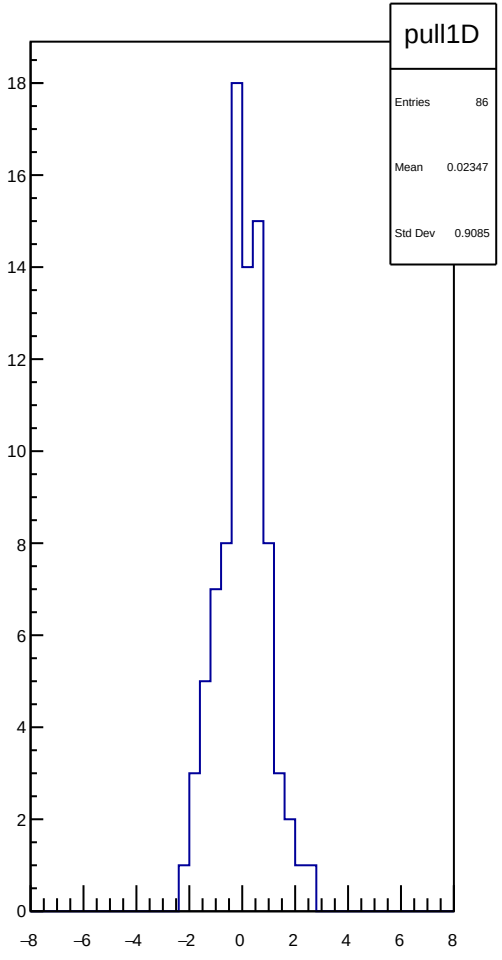

pull1D
Entries 86
Mean −0.007341
Std Dev 0.3026
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

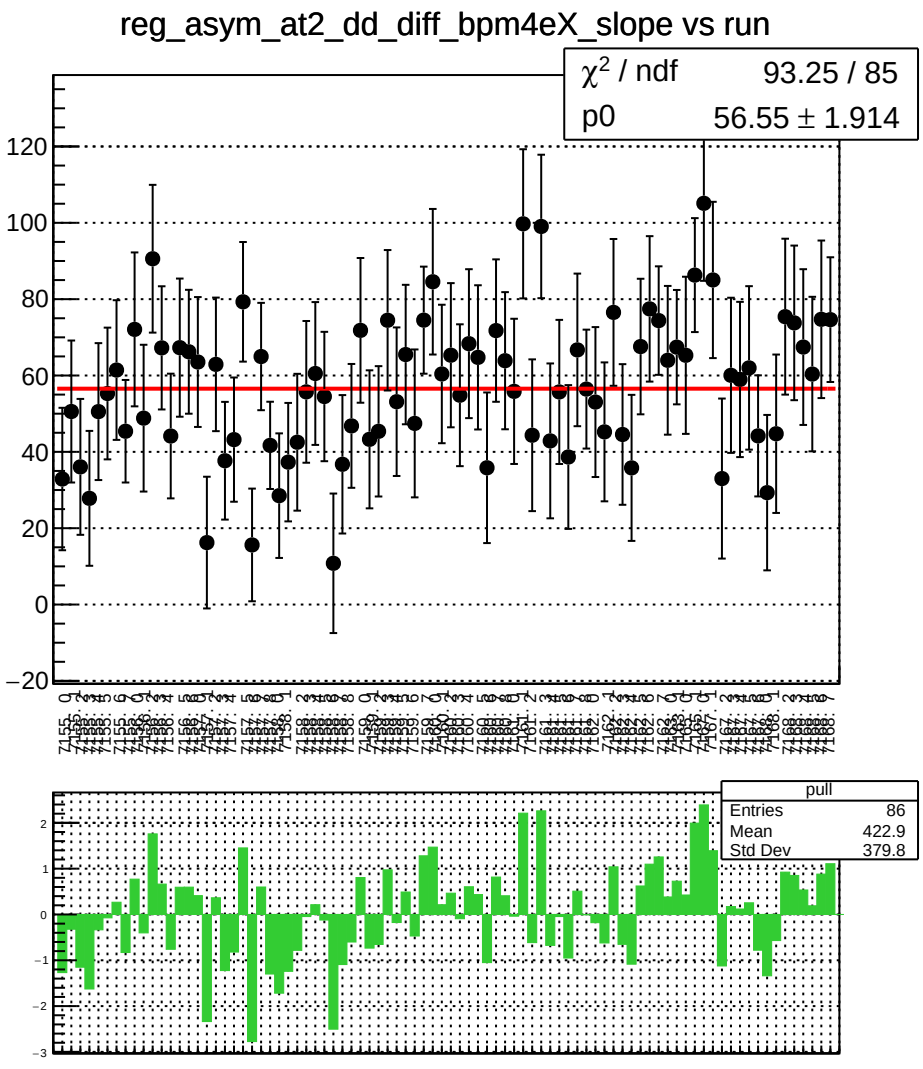

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.15 / 85
p0 −269.9 ± 0.5937
−260
−265
−270
−275
−280
pull
Entries 86
Mean −890.3
Std Dev 934.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.002127
Std Dev 0.3759
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

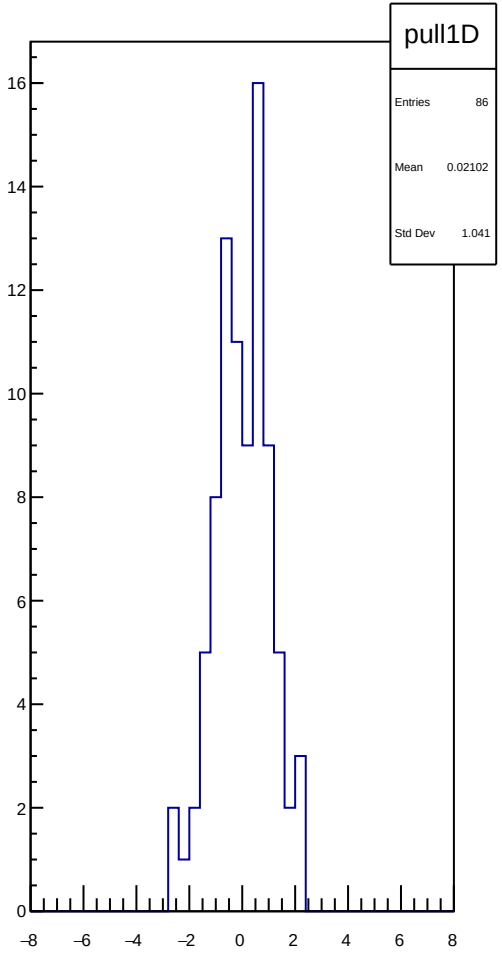

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 90.05 / 85
p0 26.34 ± 1.891
pull
Entries 86
Mean 435.3
Std Dev 392.5

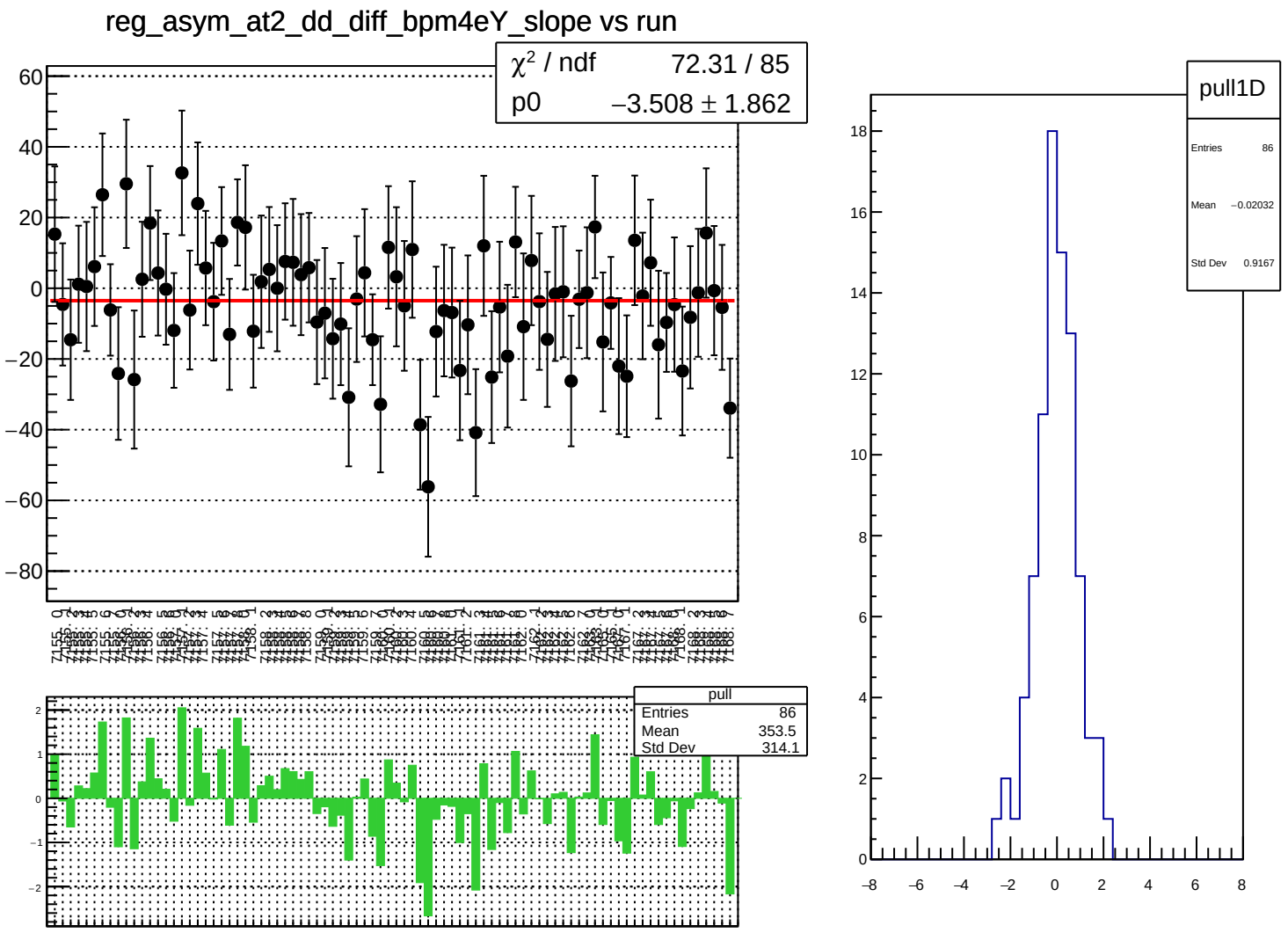

pull1D
Entries 86
Mean −0.01949
Std Dev 1.023

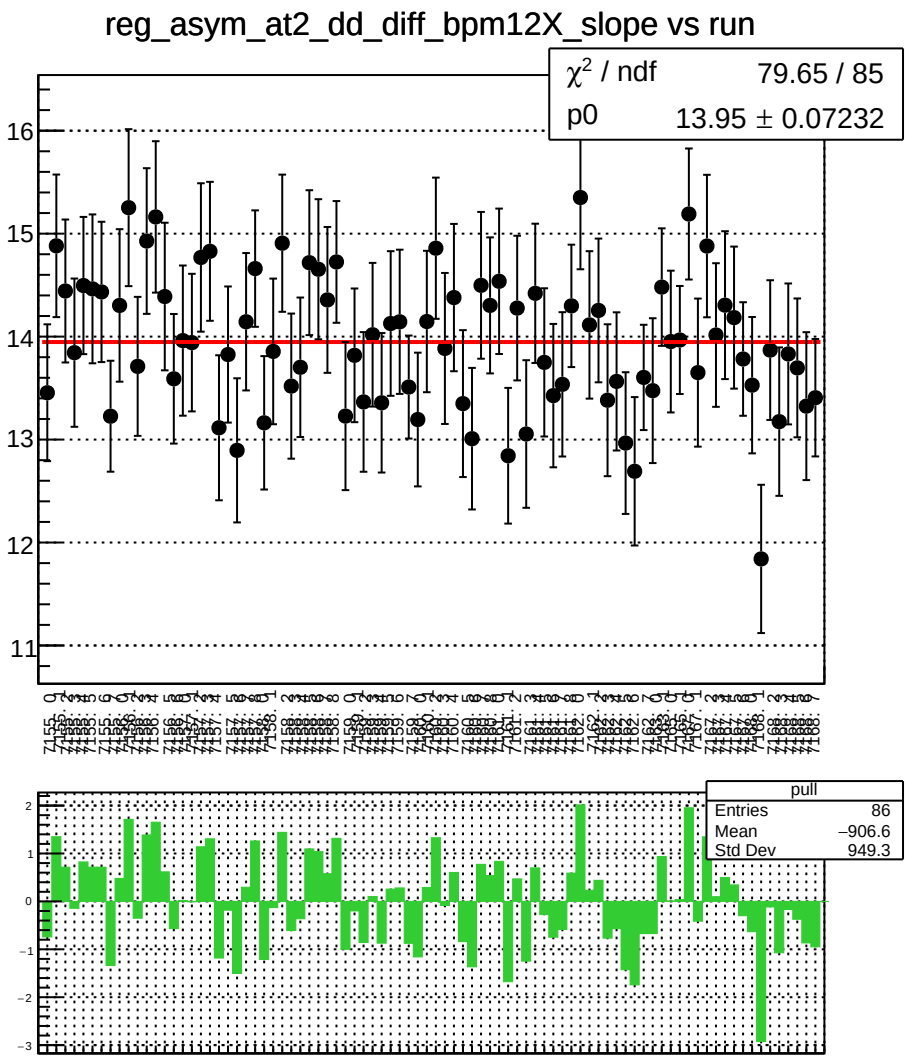

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.03 / 85
p0 −3.74 ± 1.604
pull
Entries 86
Mean 271.5
Std Dev 232.3

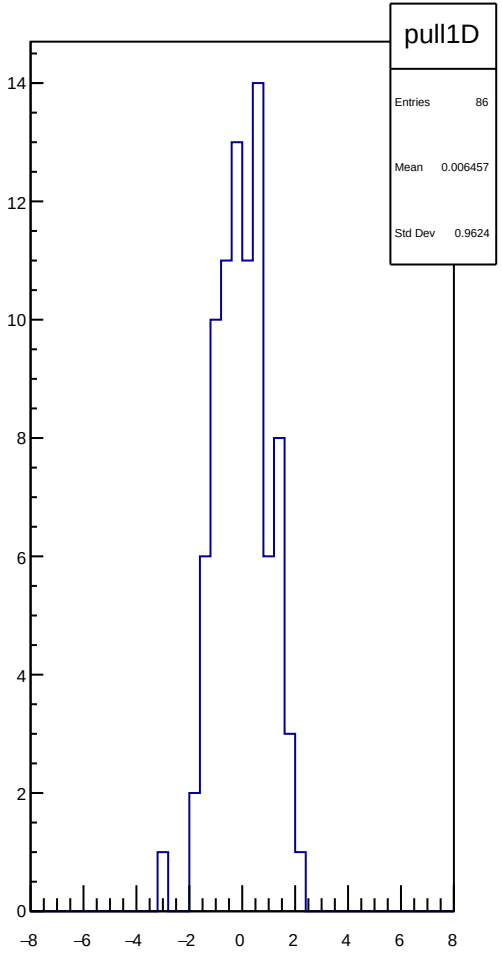

pull1D
Entries 86
Mean 0.02347
Std Dev 0.9085

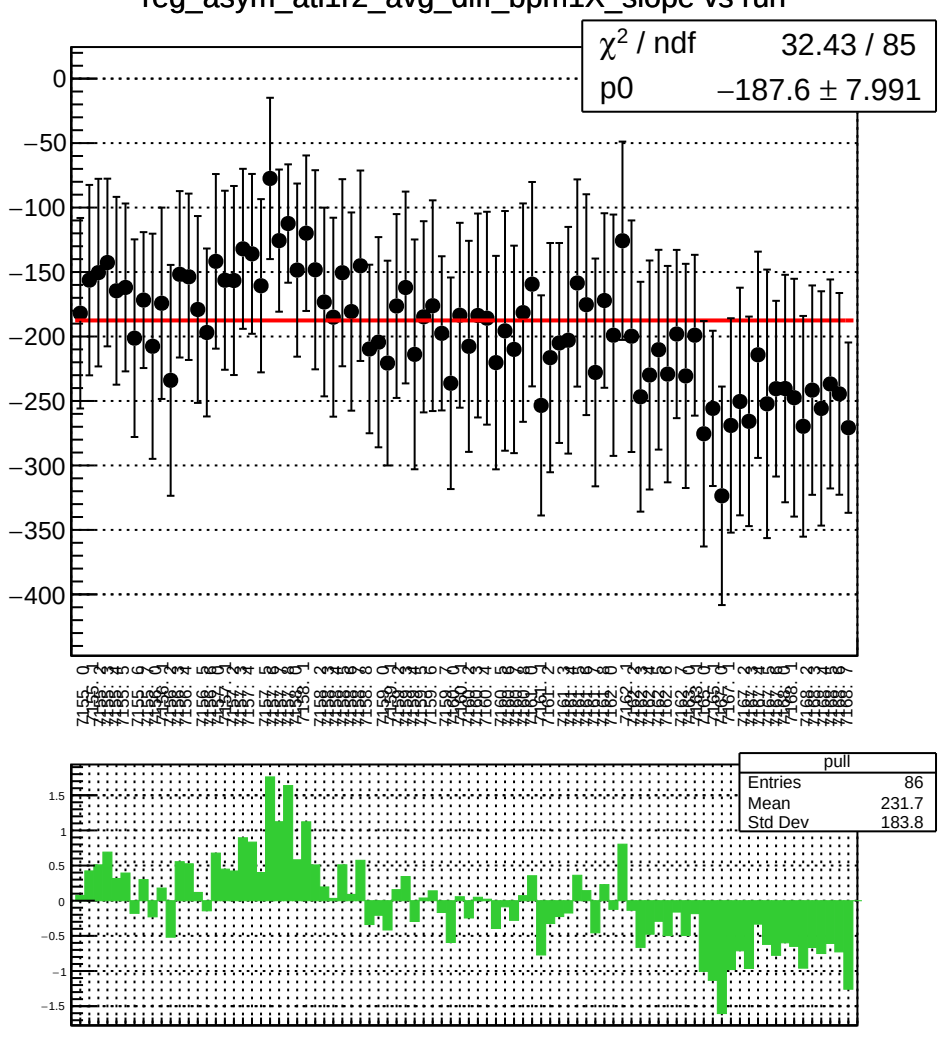

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.25 / 85
p0 56.55 ± 1.914
pull
Entries 86
Mean 422.9
Std Dev 379.8

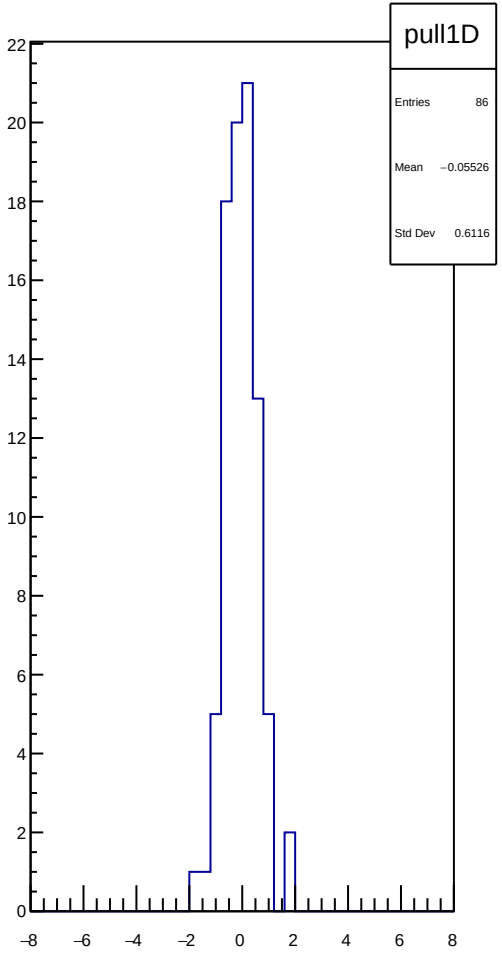

pull1D
Entries 86
Mean 0.02102
Std Dev 1.041

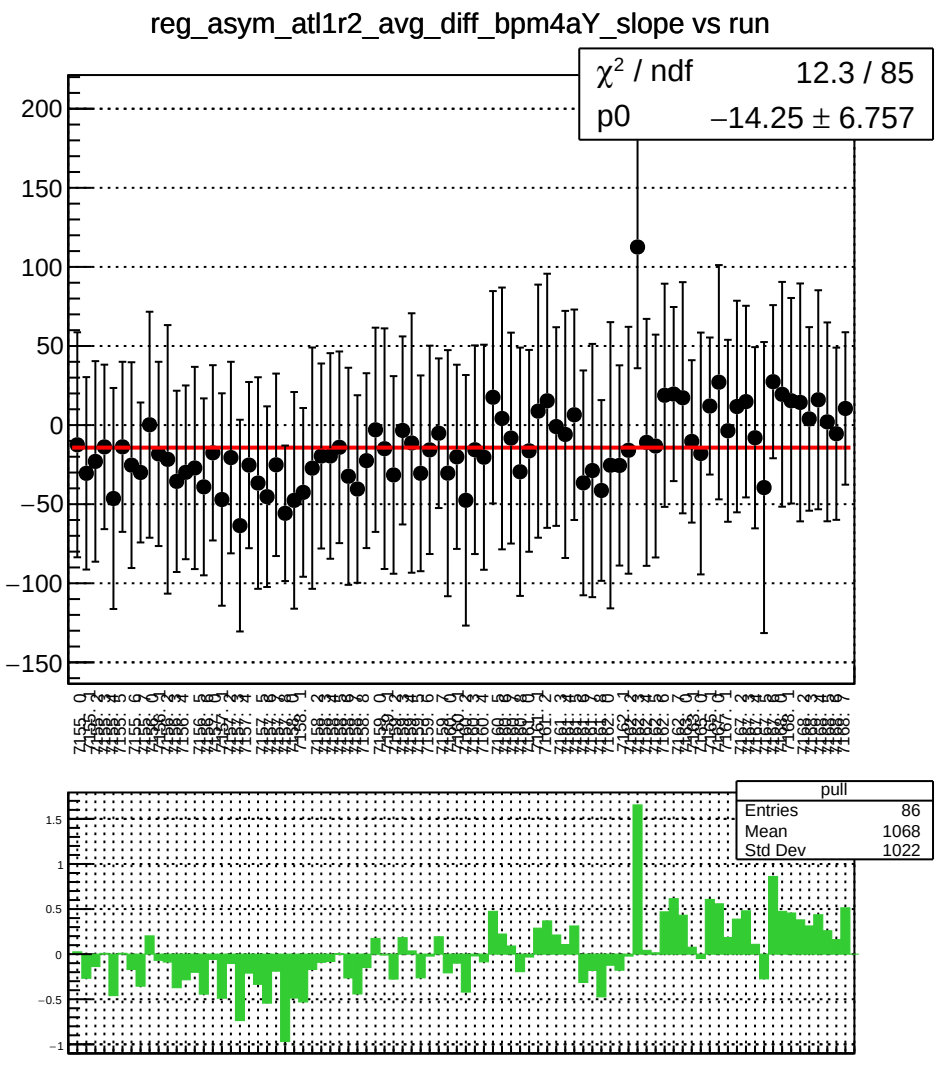

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.31 / 85
p0 −3.508 ± 1.862
pull
Entries 86
Mean 353.5
Std Dev 314.1
pull1D
Entries 86
Mean −0.02032
Std Dev 0.9167

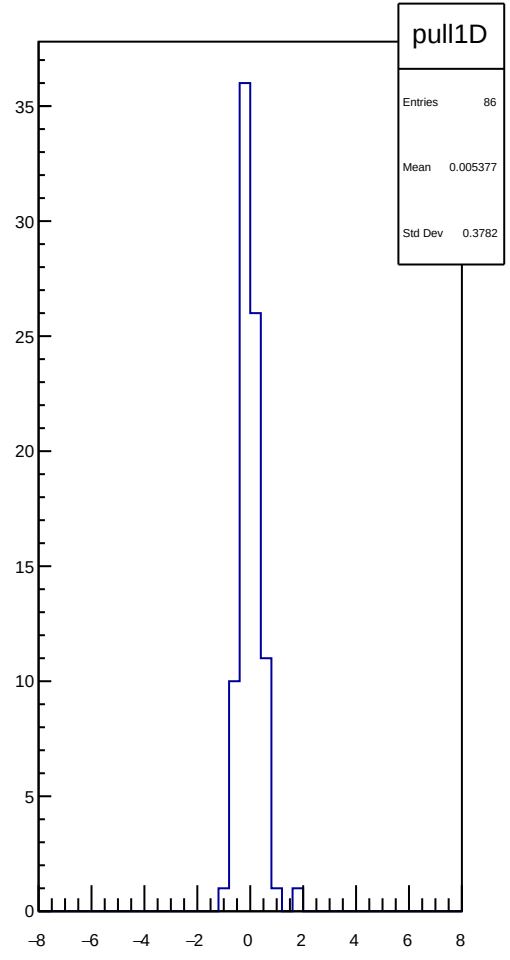

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 79.65 / 85
p0 13.95 ± 0.07232
pull
Entries 86
Mean −906.6
Std Dev 949.3

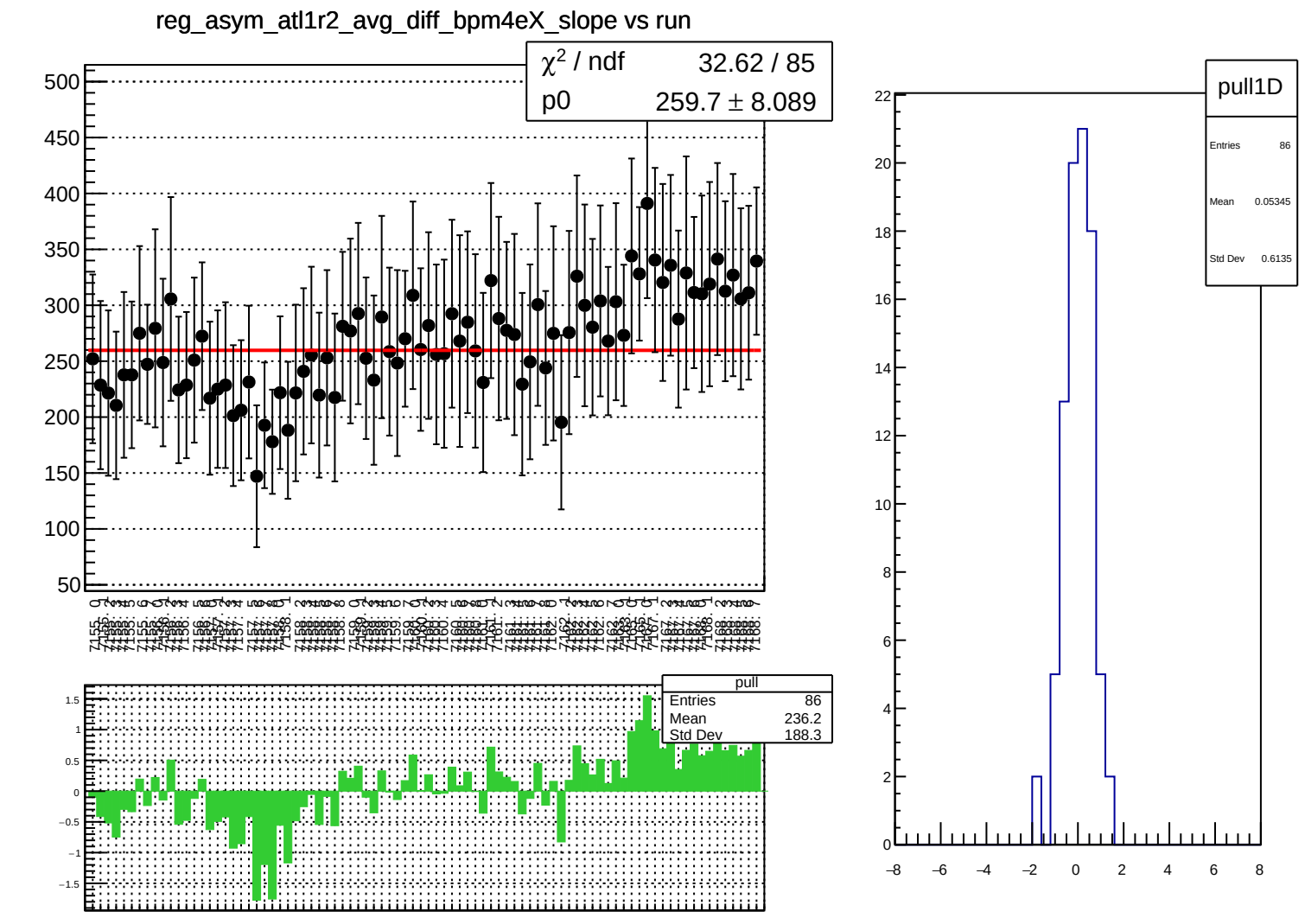

pull1D
Entries 86
Mean 0.006457
Std Dev 0.9624

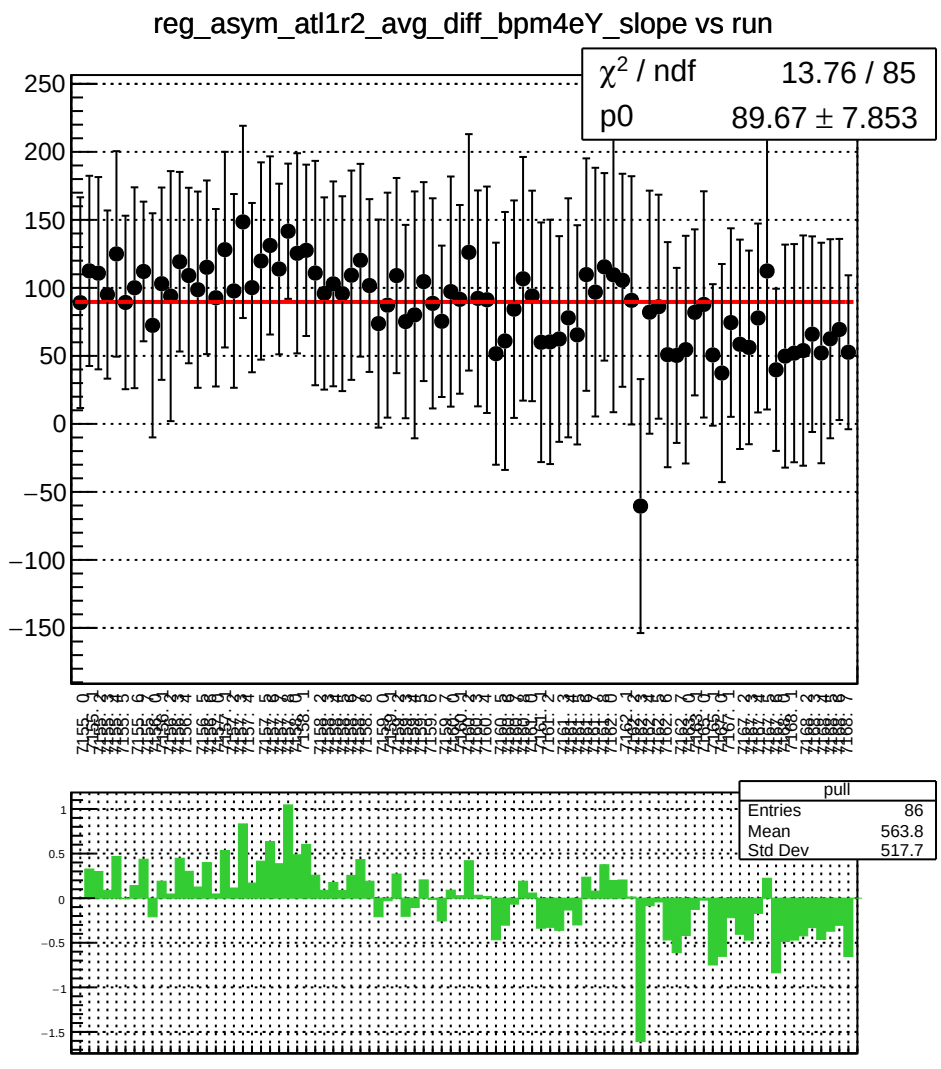

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 32.43 / 85
p0 −187.6 ± 7.991
pull
Entries 86
Mean 231.7
Std Dev 183.8

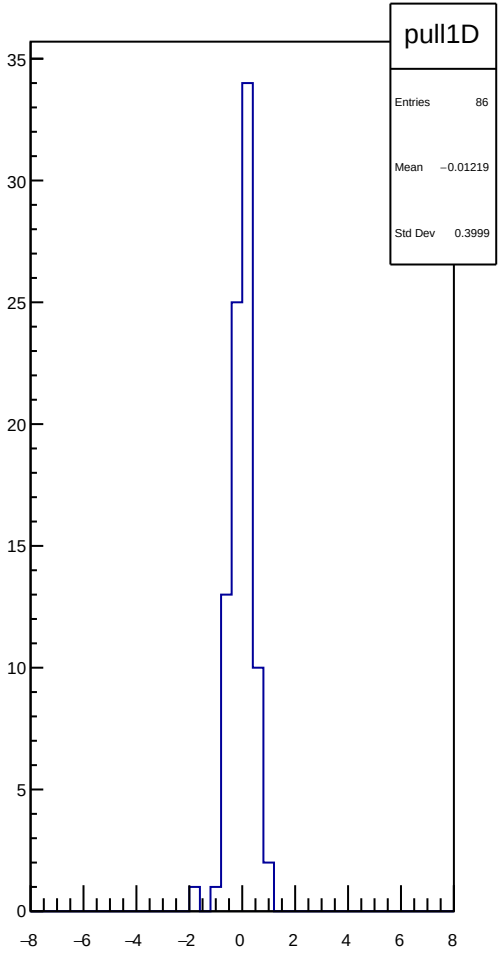

pull1D
Entries 86
Mean −0.05526
Std Dev 0.6116

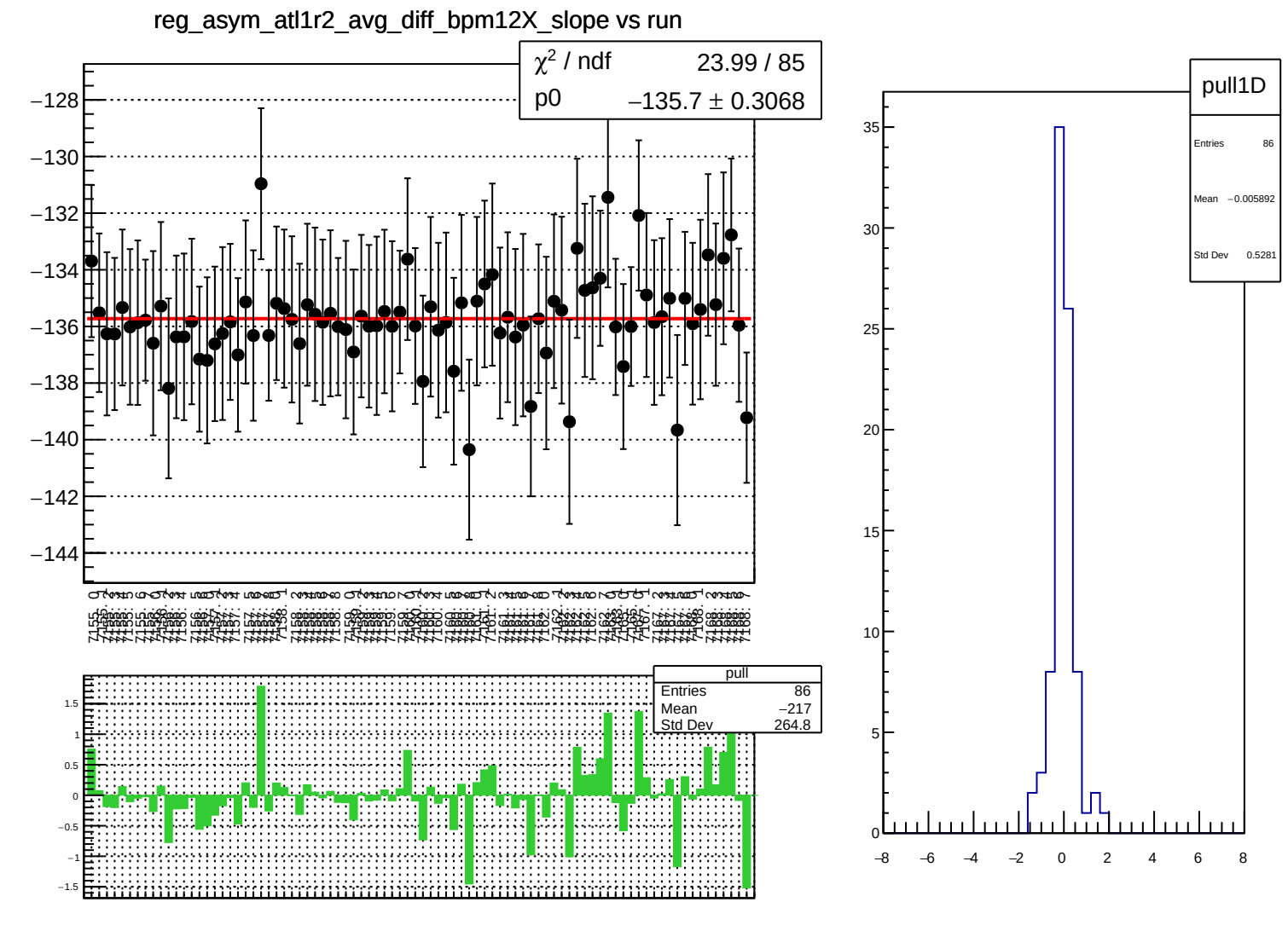

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.3 / 85
p0 −14.25 ± 6.757
200
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 1068
Std Dev 1022
1.5
1
0.5
0
−0.5
−1

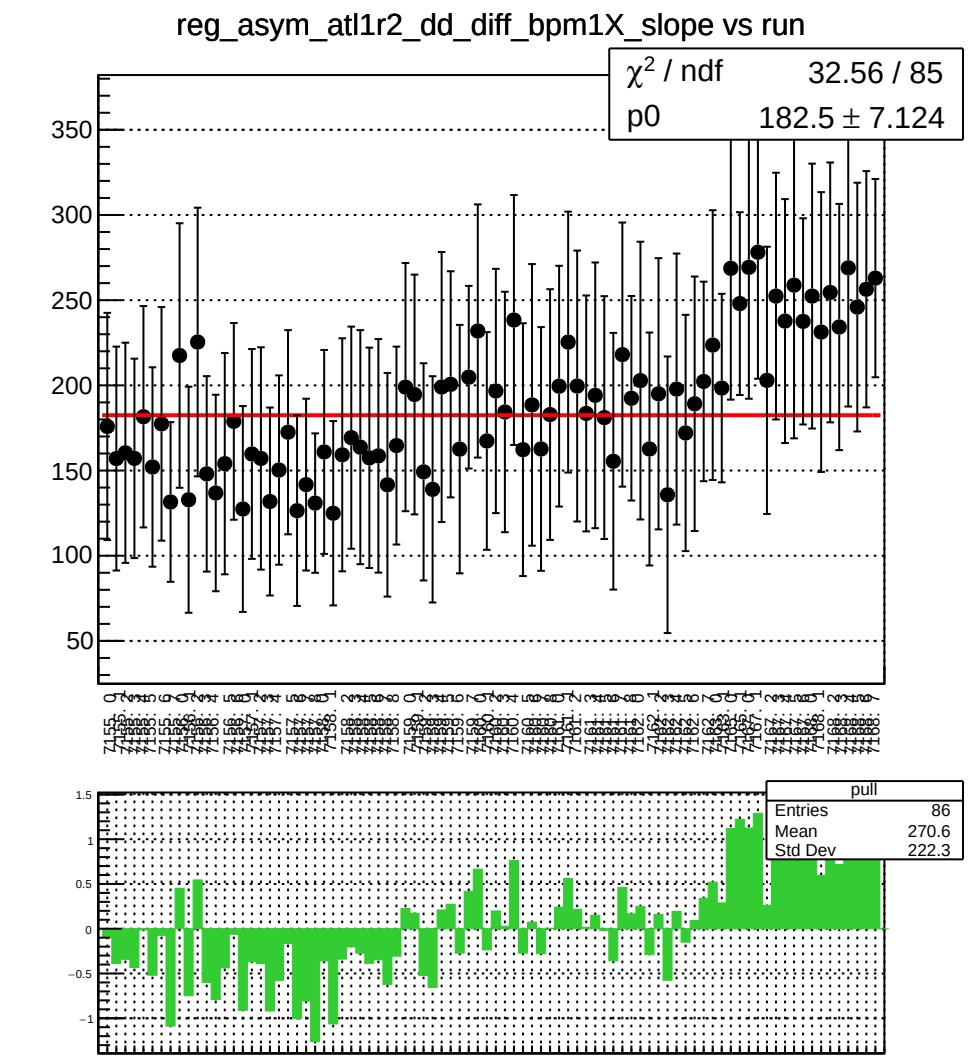

pull1D
Entries 86
Mean 0.005377
Std Dev 0.3782
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

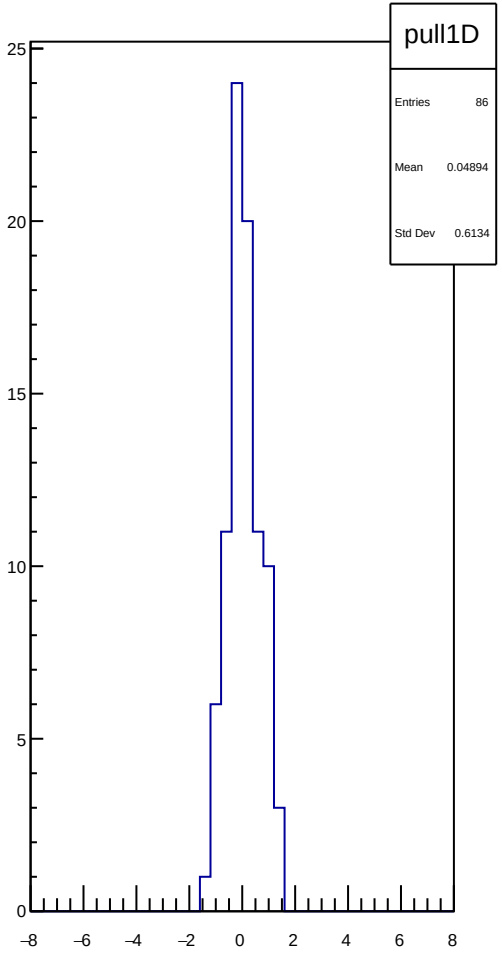

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.62 / 85
p0 259.7 ± 8.089
pull
Entries 86
Mean 236.2
Std Dev 188.3
pull1D
Entries 86
Mean 0.05345
Std Dev 0.6135

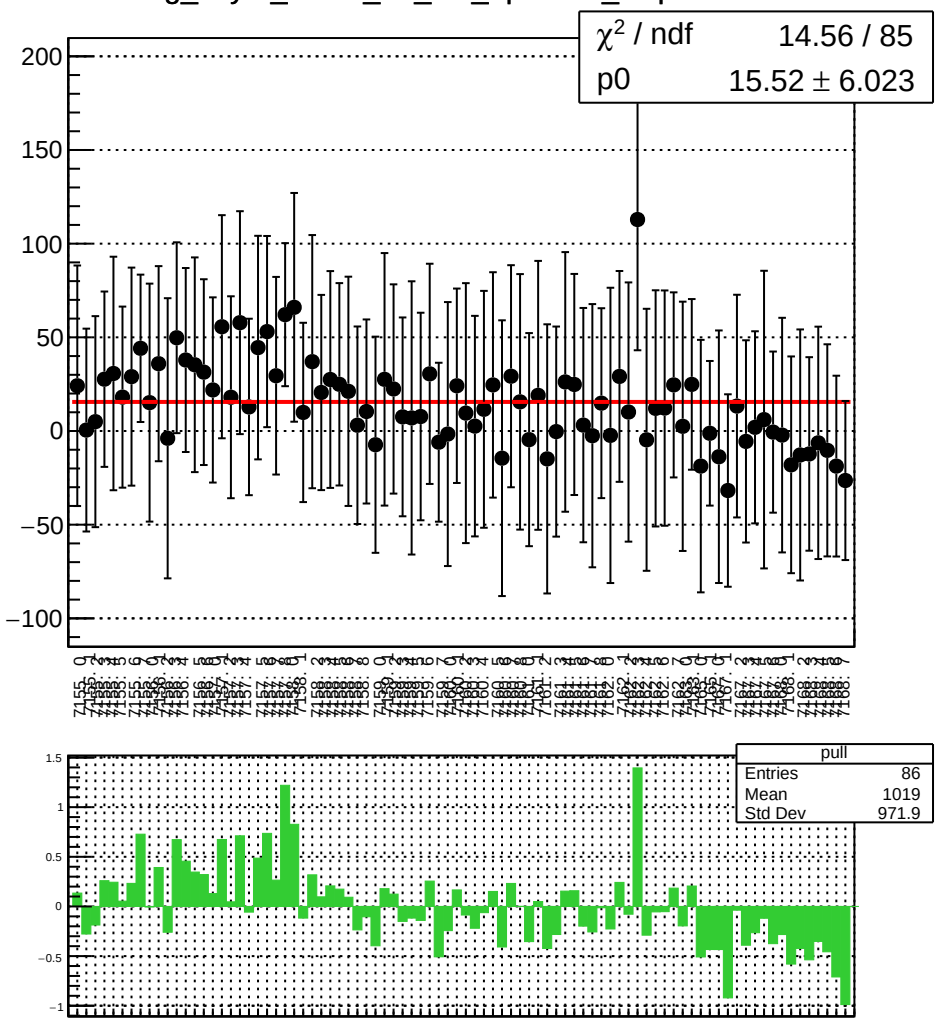

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.76 / 85
p0 89.67 ± 7.853
pull
Entries 86
Mean 563.8
Std Dev 517.7

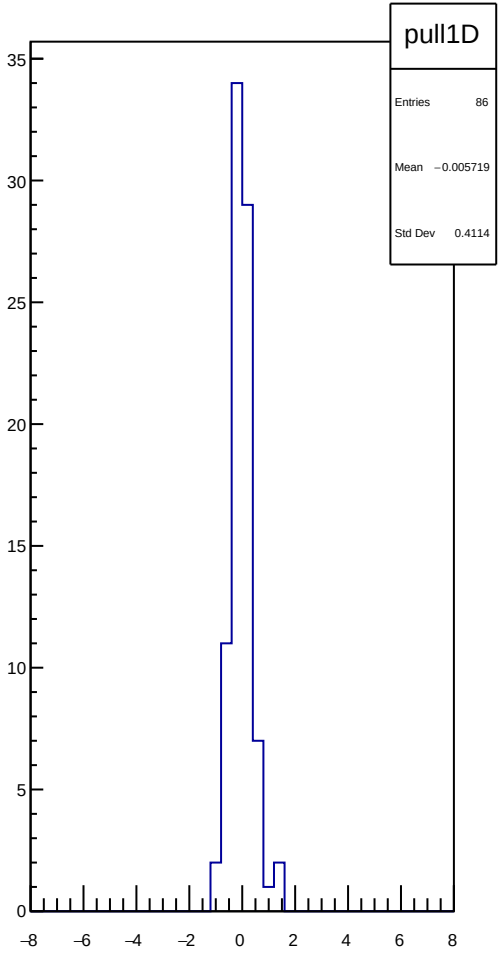

pull1D
Entries 86
Mean −0.01219
Std Dev 0.3999

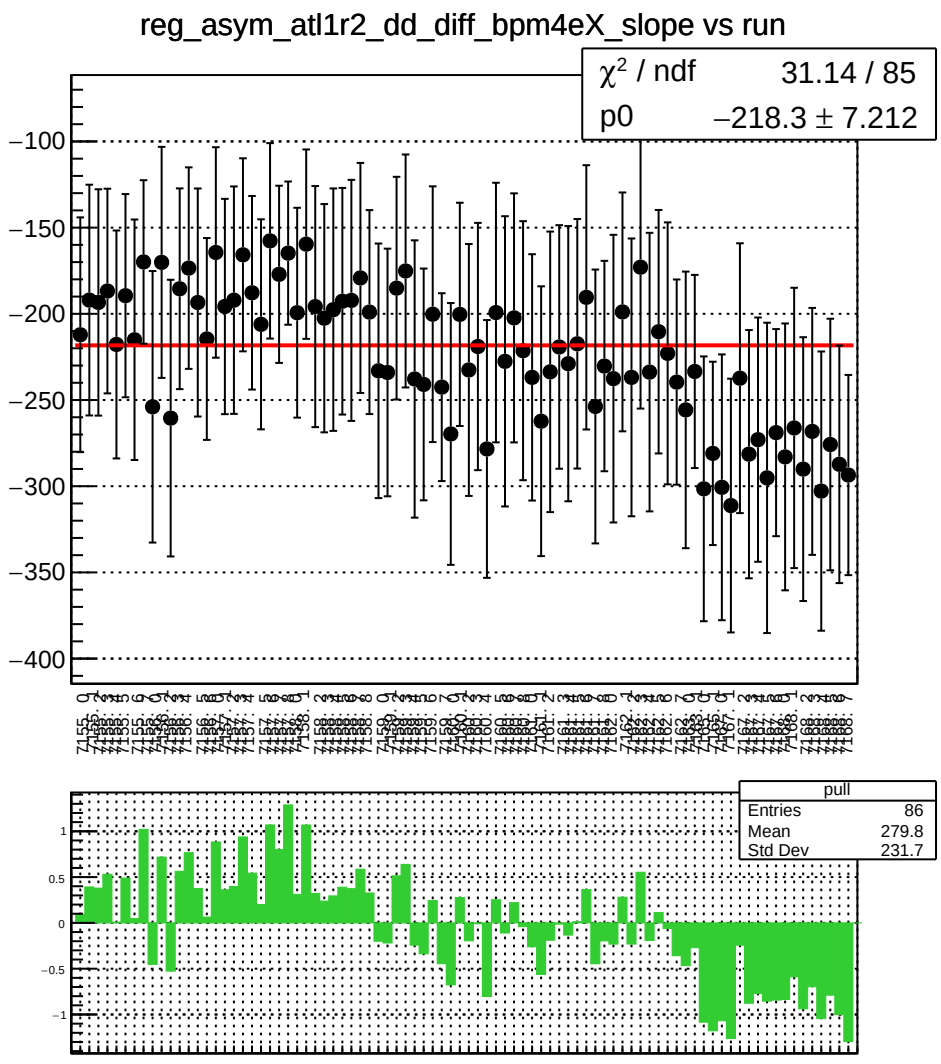

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.99 / 85
p0 −135.7 ± 0.3068
−128
−130
−132
−134
−136
−138
−140
−142
−144
pull
Entries 86
Mean −217
Std Dev 264.8
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.005892
Std Dev 0.5281
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

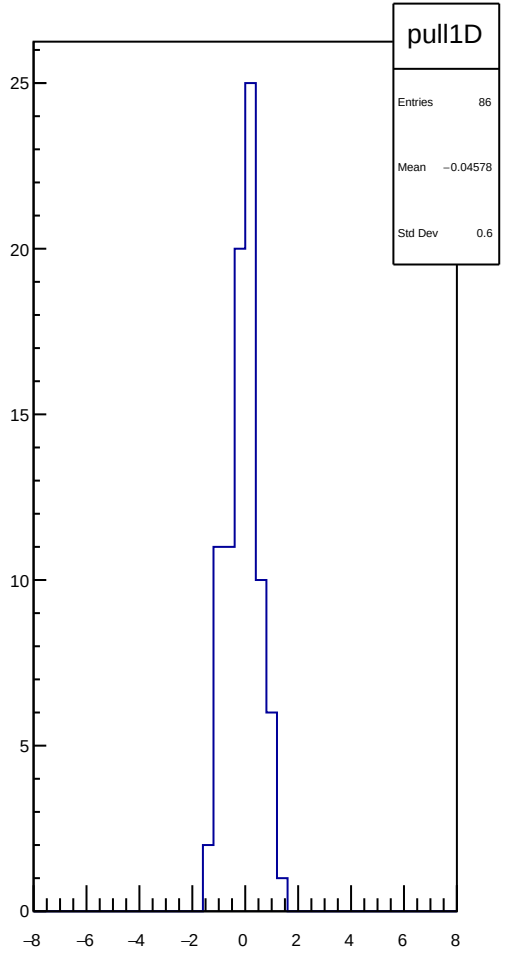

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 32.56 / 85
p0 182.5 ± 7.124
350
300
250
200
150
100
50
pull
Entries 86
Mean 270.6
Std Dev 222.3
1.5
1
0.5
0
−0.5
−1

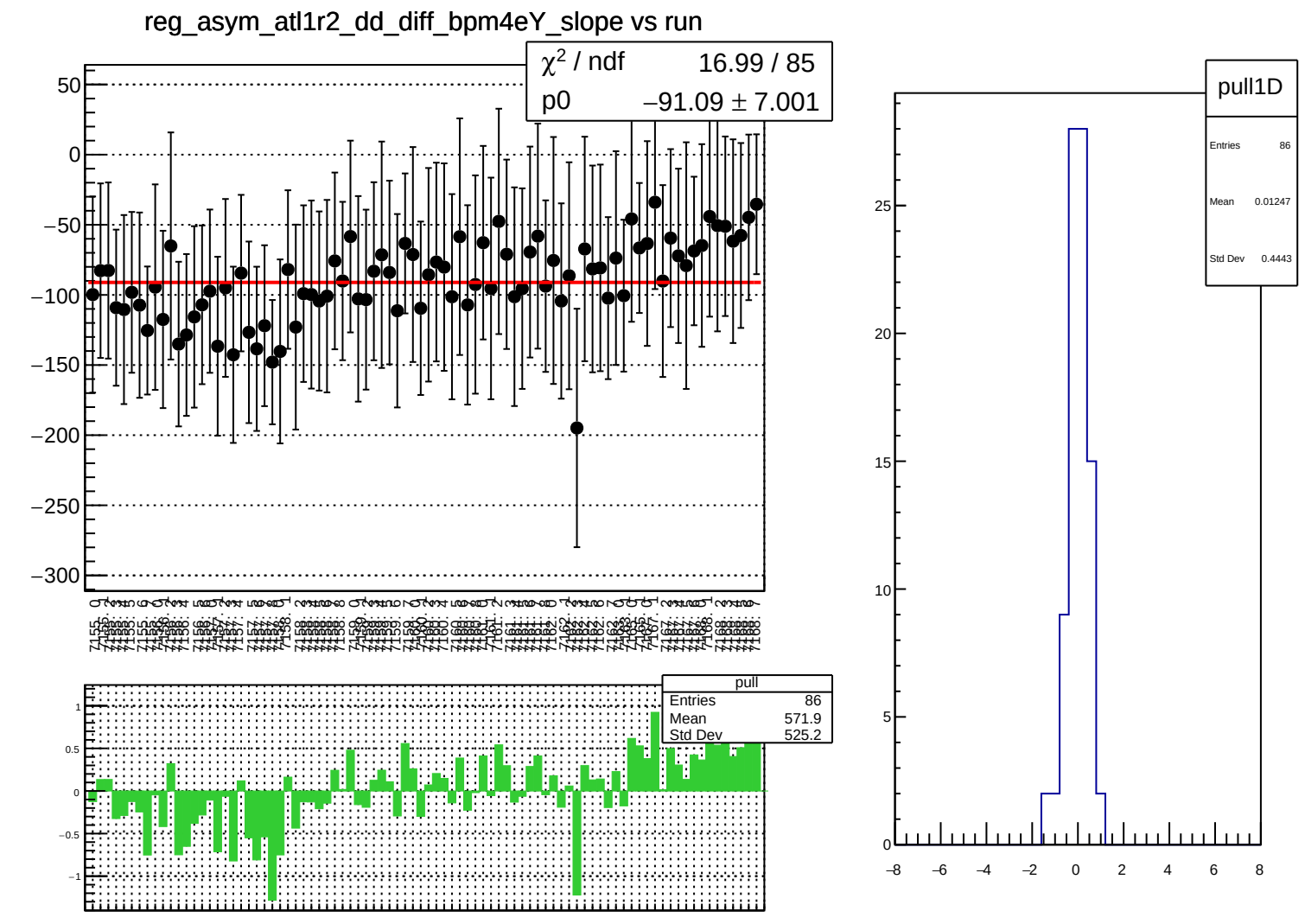

pull1D
Entries 86
Mean 0.04894
Std Dev 0.6134
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

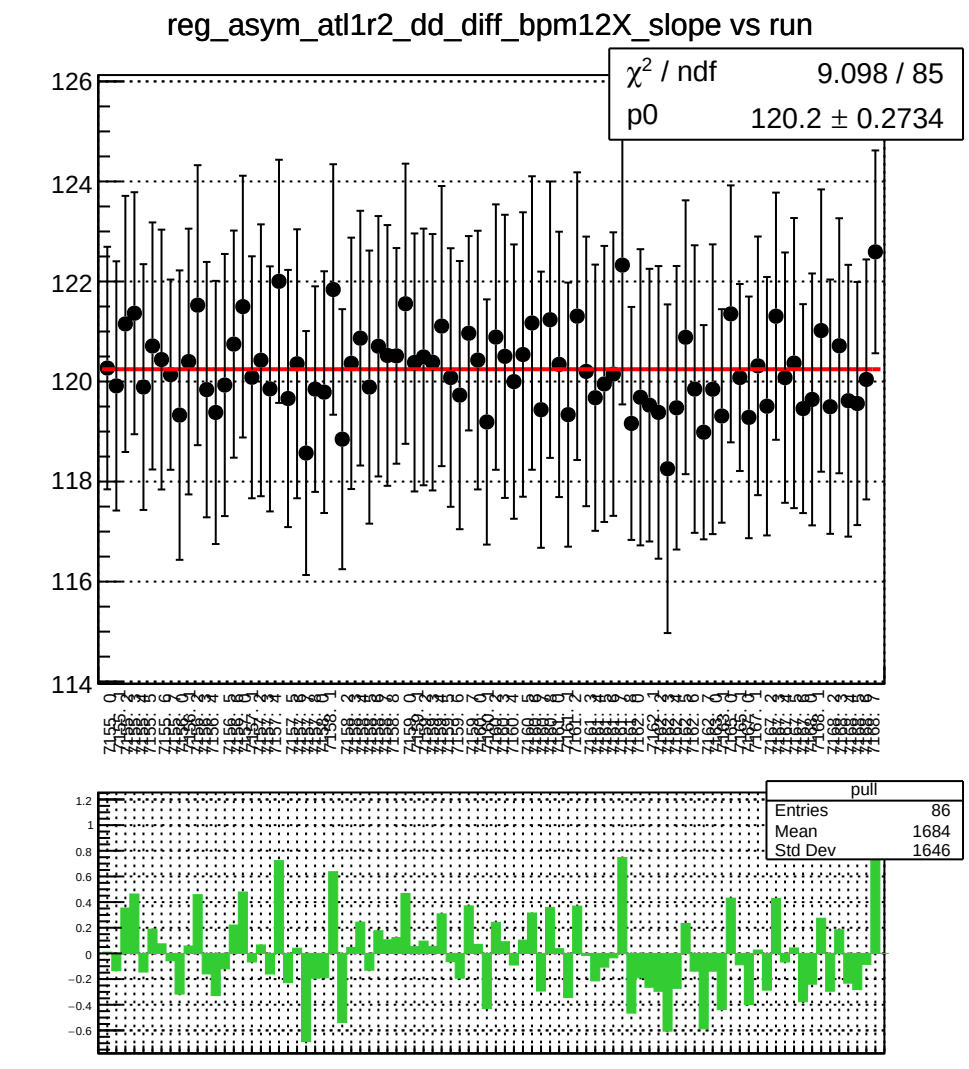

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.56 / 85
p0 15.52 ± 6.023
pull
Entries 86
Mean 1019
Std Dev 971.9

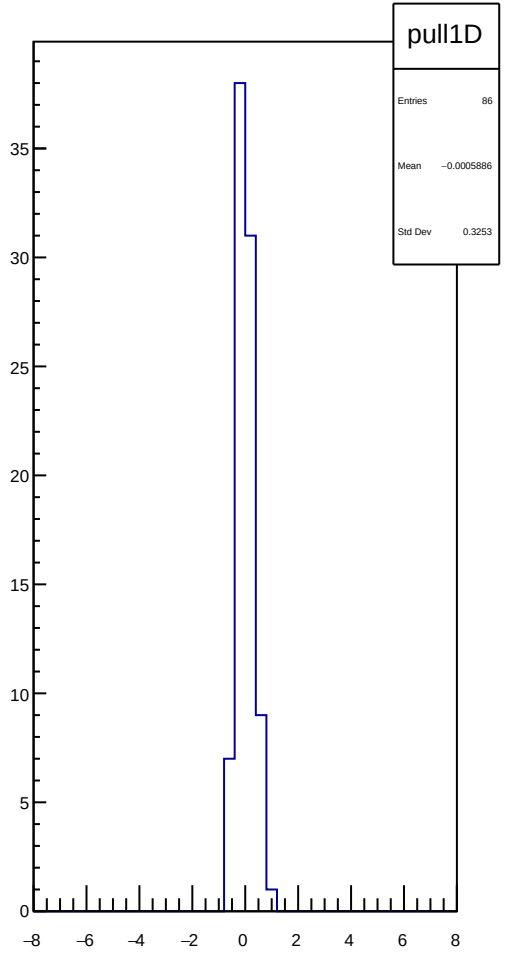

pull1D
Entries 86
Mean −0.005719
Std Dev 0.4114

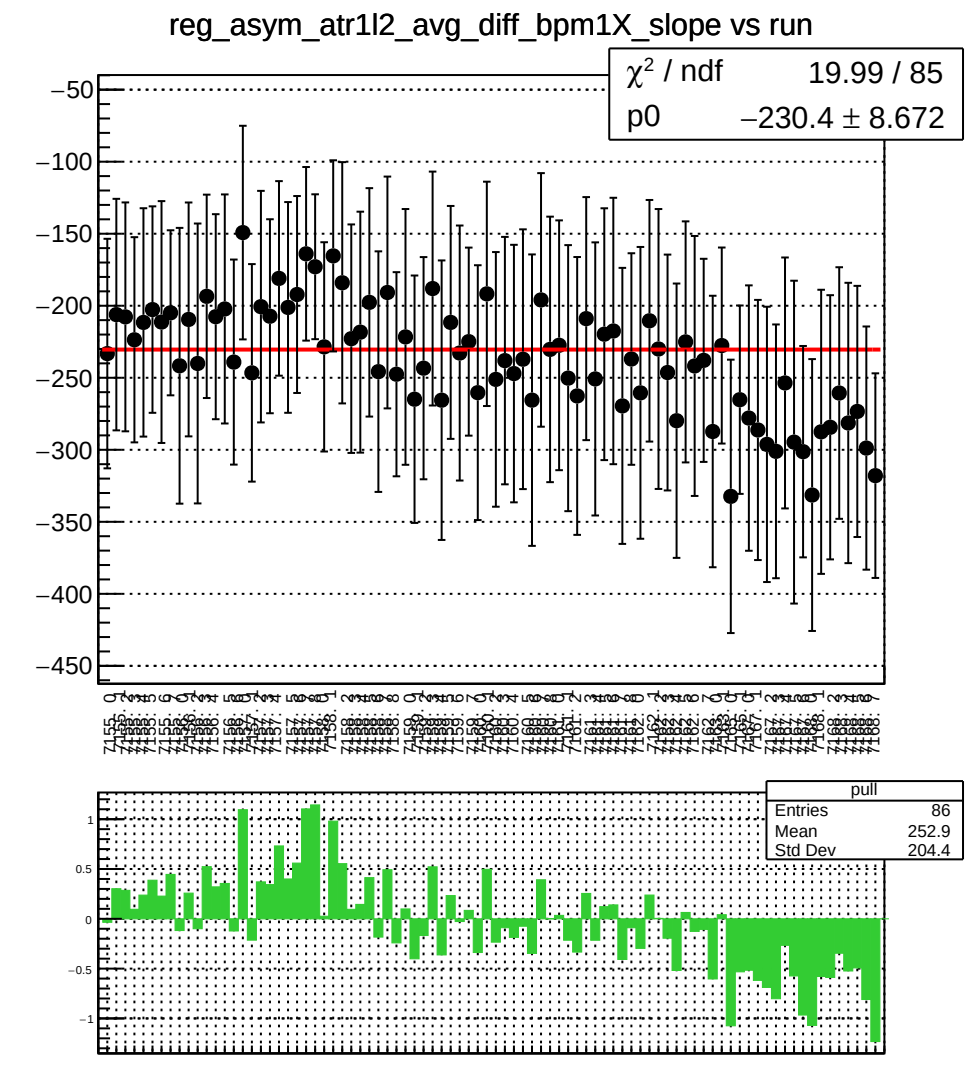

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.14 / 85
p0 −218.3 ± 7.212
−100
−150
−200
−250
−300
−350
−400
pull
Entries 86
Mean 279.8
Std Dev 231.7
1
0.5
0
−0.5
−1

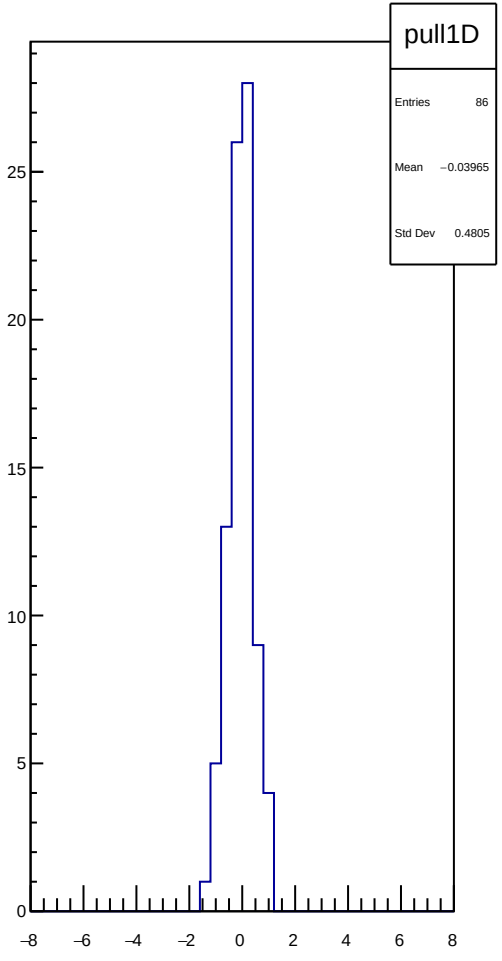

pull1D
Entries 86
Mean −0.04578
Std Dev 0.6
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

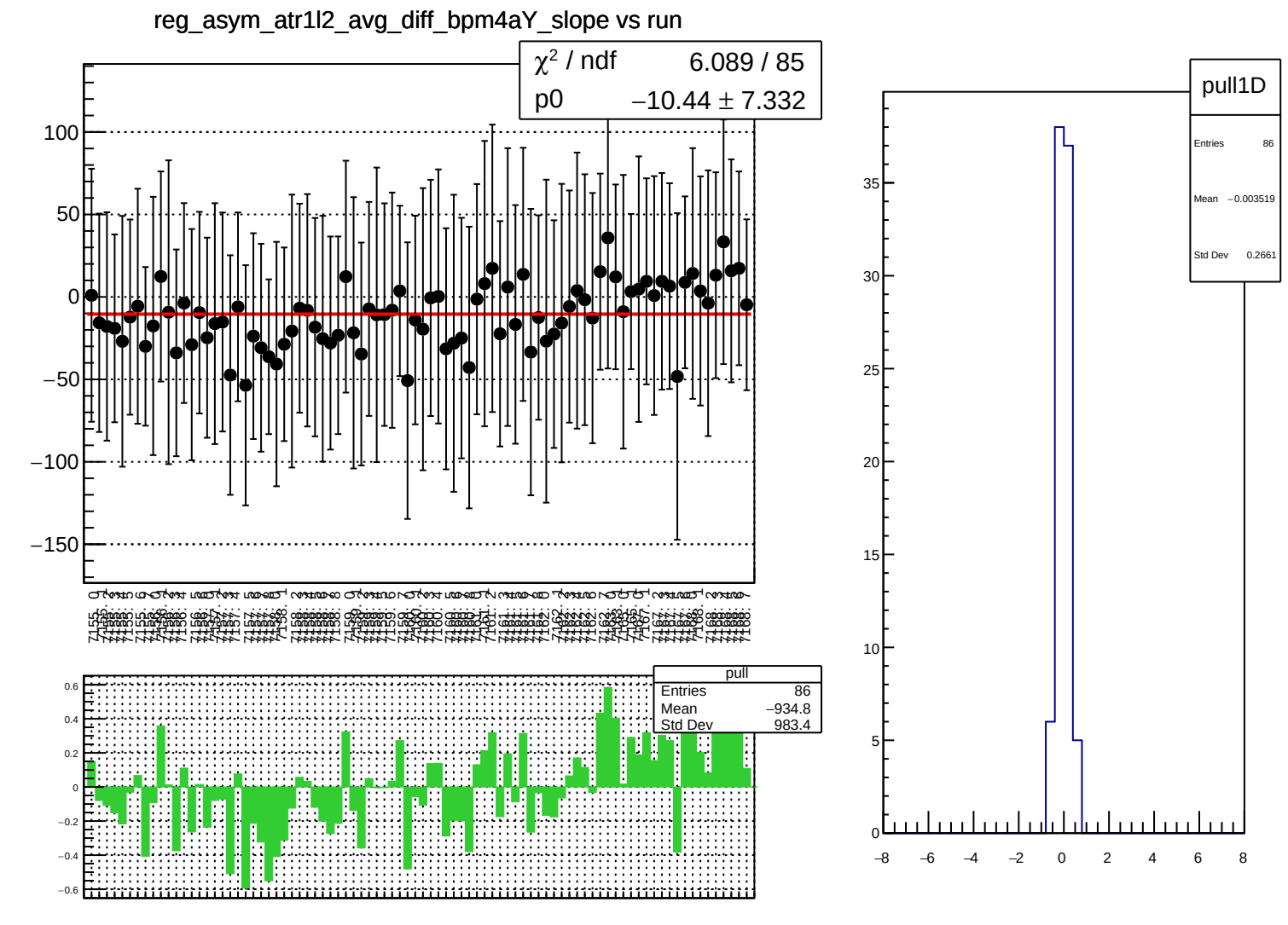

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.99 / 85
p0 −91.09 ± 7.001
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 86
Mean 571.9
Std Dev 525.2
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean 0.01247
Std Dev 0.4443
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

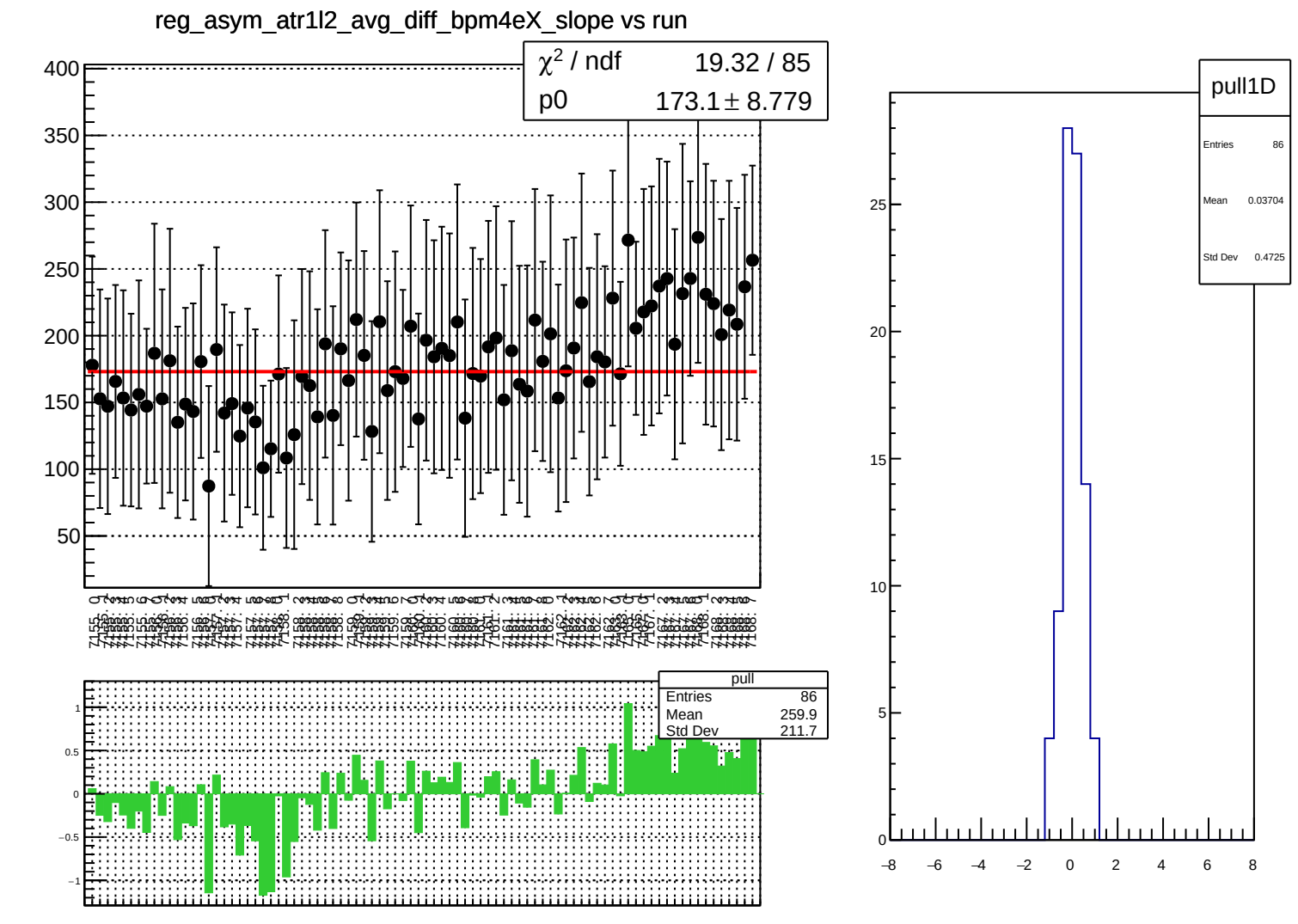

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 9.098 / 85
p0 120.2 ± 0.2734
126
124
122
120
118
116
114
pull
Entries 86
Mean 1684
Std Dev 1646
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

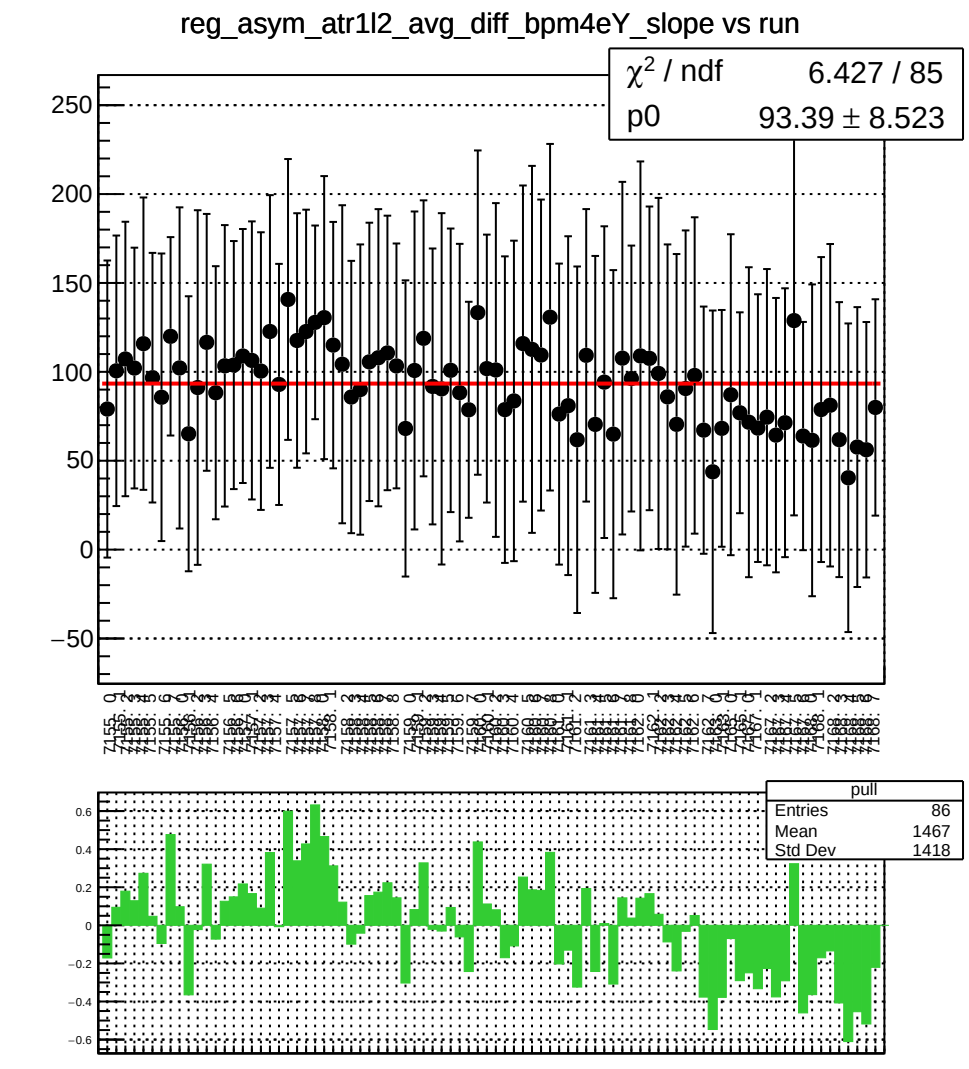

pull1D
Entries 86
Mean −0.0005886
Std Dev 0.3253
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

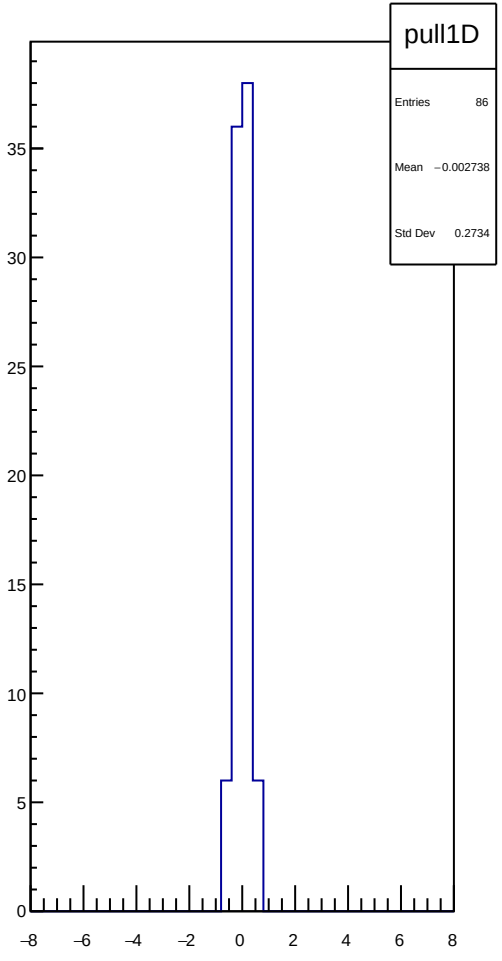

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 19.99 / 85
p0 −230.4 ± 8.672
pull
Entries 86
Mean 252.9
Std Dev 204.4

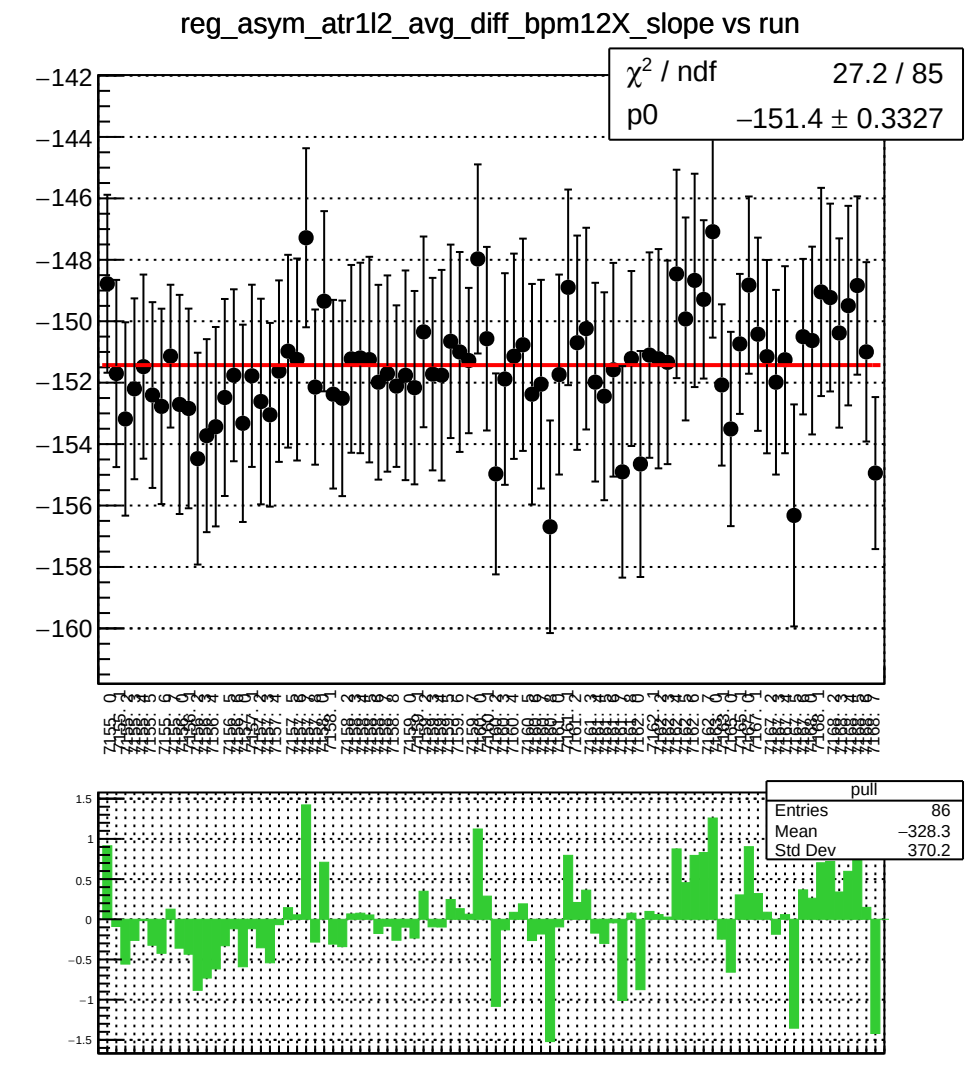

pull1D
Entries 86
Mean −0.03965
Std Dev 0.4805

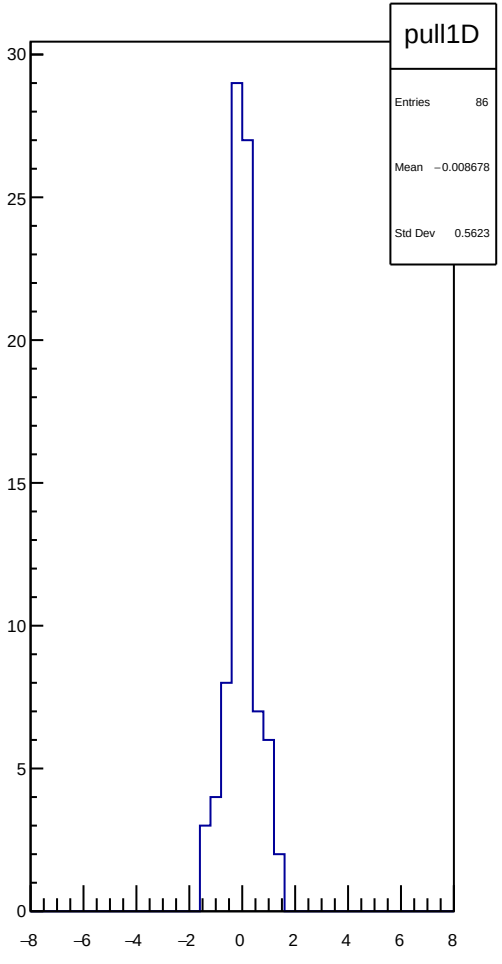

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.089 / 85
p0 −10.44 ± 7.332
100
50
0
−50
−100
−150
pull
Entries 86
Mean −934.8
Std Dev 983.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.003519
Std Dev 0.2661
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

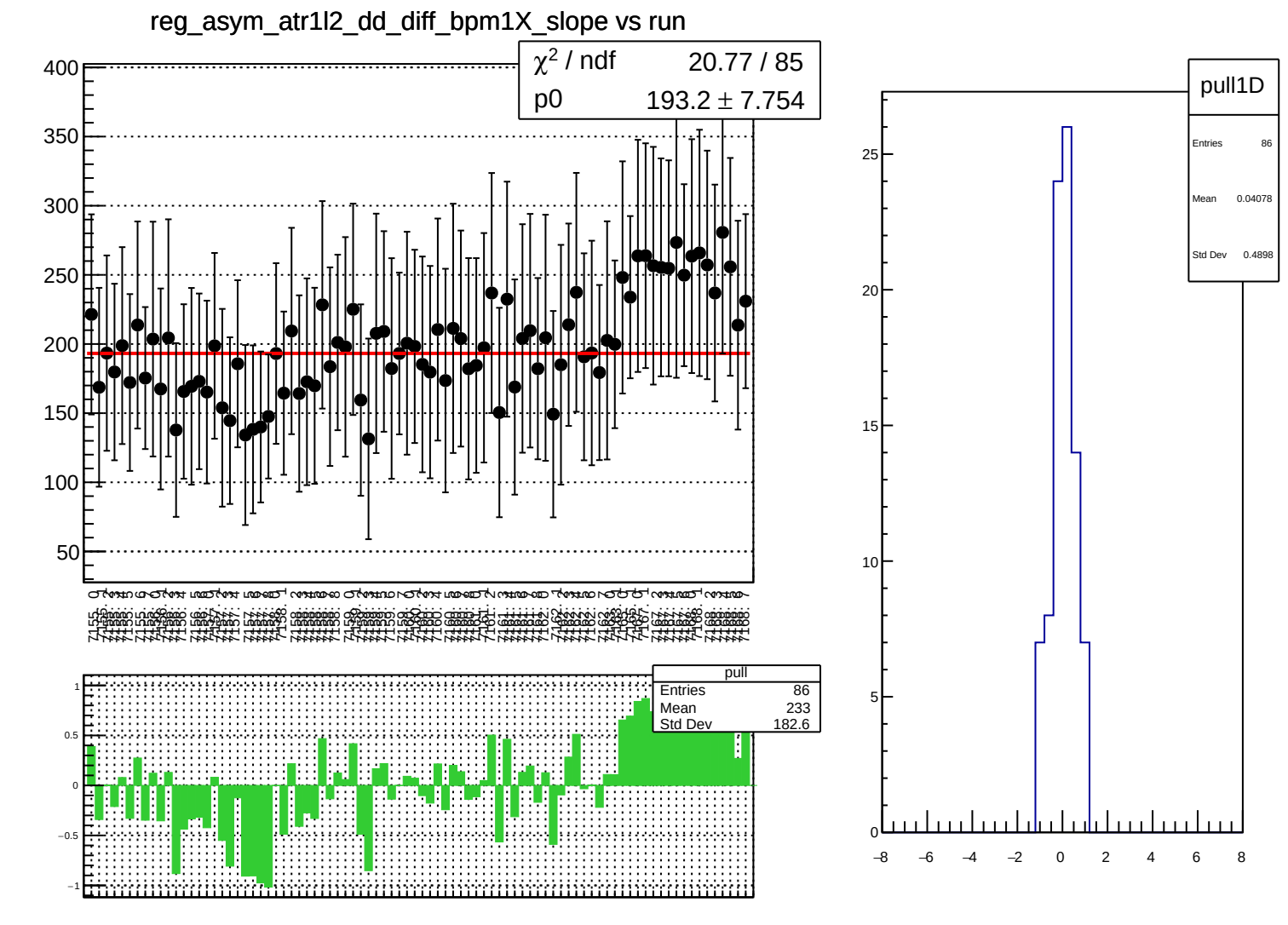

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.32 / 85
p0 173.1 ± 8.779
pull
Entries 86
Mean 259.9
Std Dev 211.7
pull1D
Entries 86
Mean 0.03704
Std Dev 0.4725

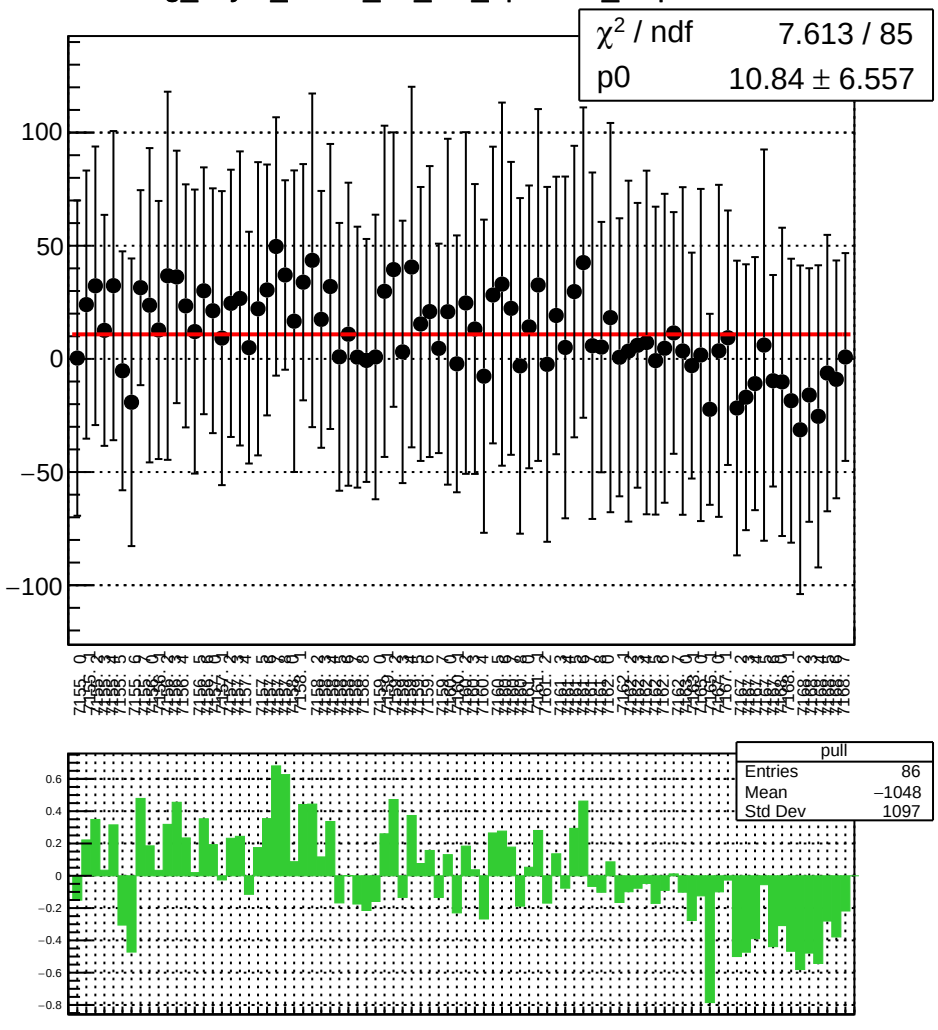

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.427 / 85
p0 93.39 ± 8.523
250
200
150
100
50
0
−50
pull
Entries 86
Mean 1467
Std Dev 1418
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

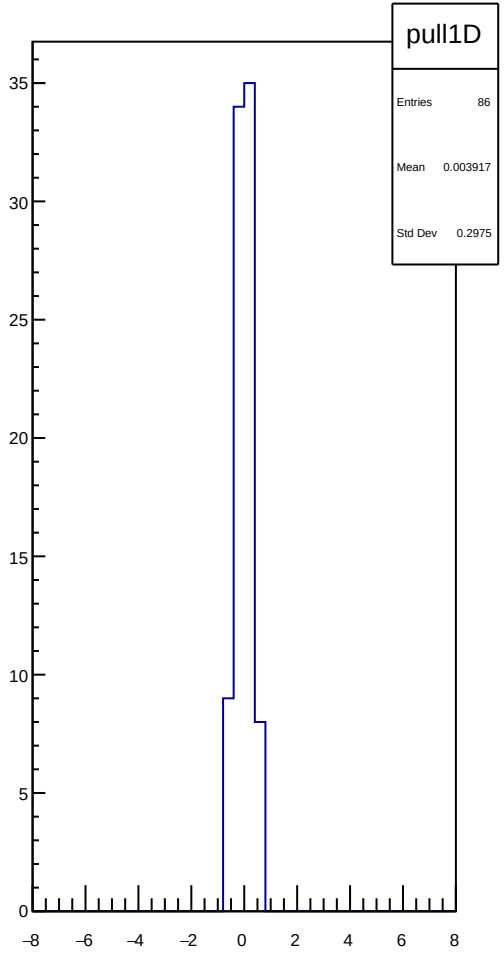

pull1D
Entries 86
Mean −0.002738
Std Dev 0.2734
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

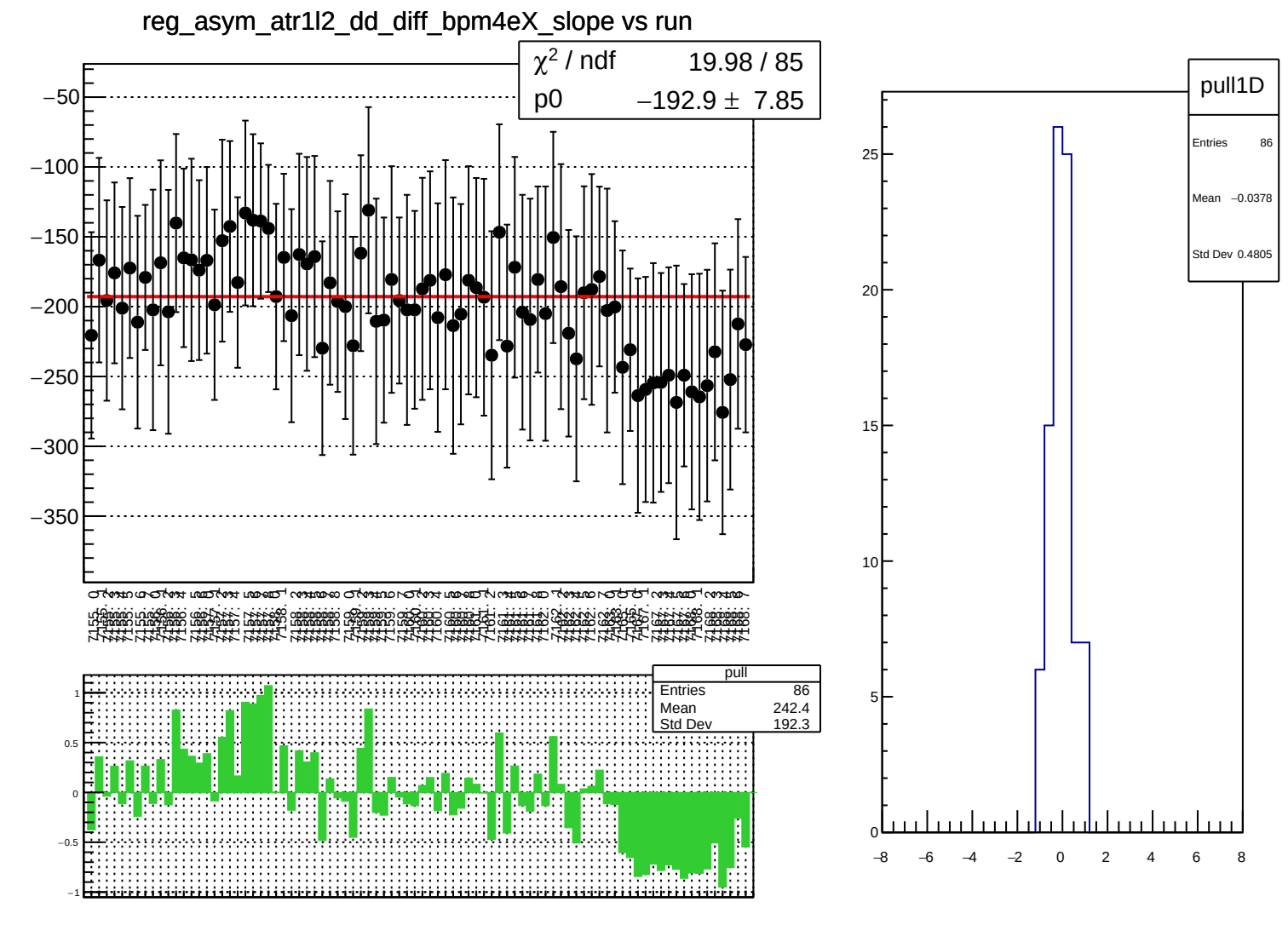

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 27.2 / 85
p0 −151.4 ± 0.3327
pull
Entries 86
Mean −328.3
Std Dev 370.2

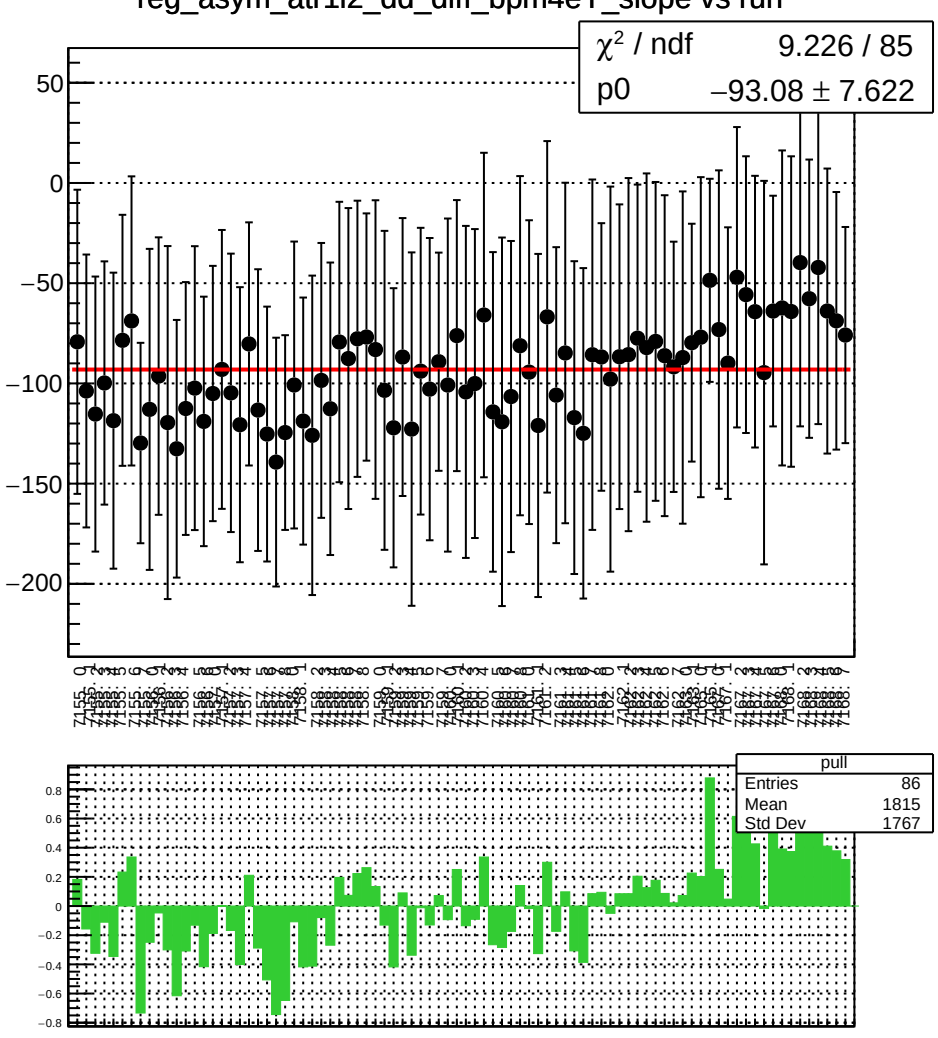

pull1D
Entries 86
Mean −0.008678
Std Dev 0.5623

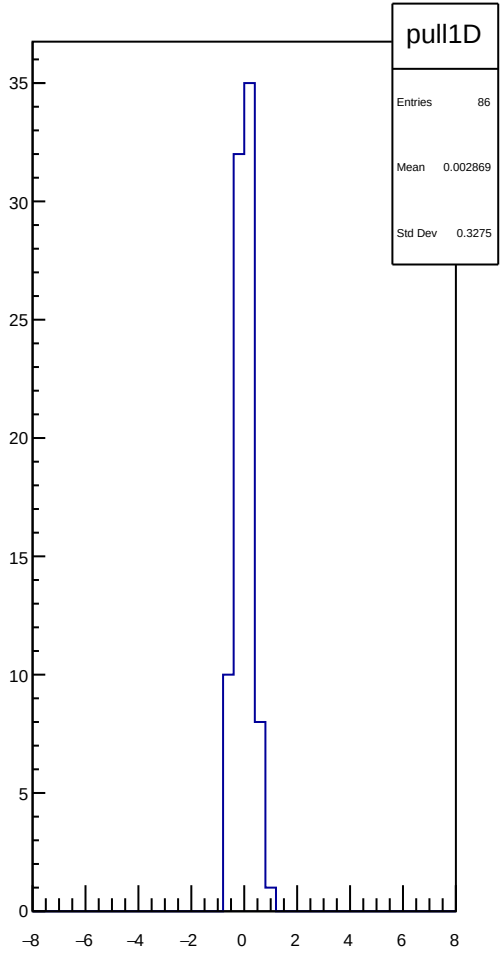

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 20.77 / 85
p0 193.2 ± 7.754
pull
Entries 86
Mean 233
Std Dev 182.6
pull1D
Entries 86
Mean 0.04078
Std Dev 0.4898

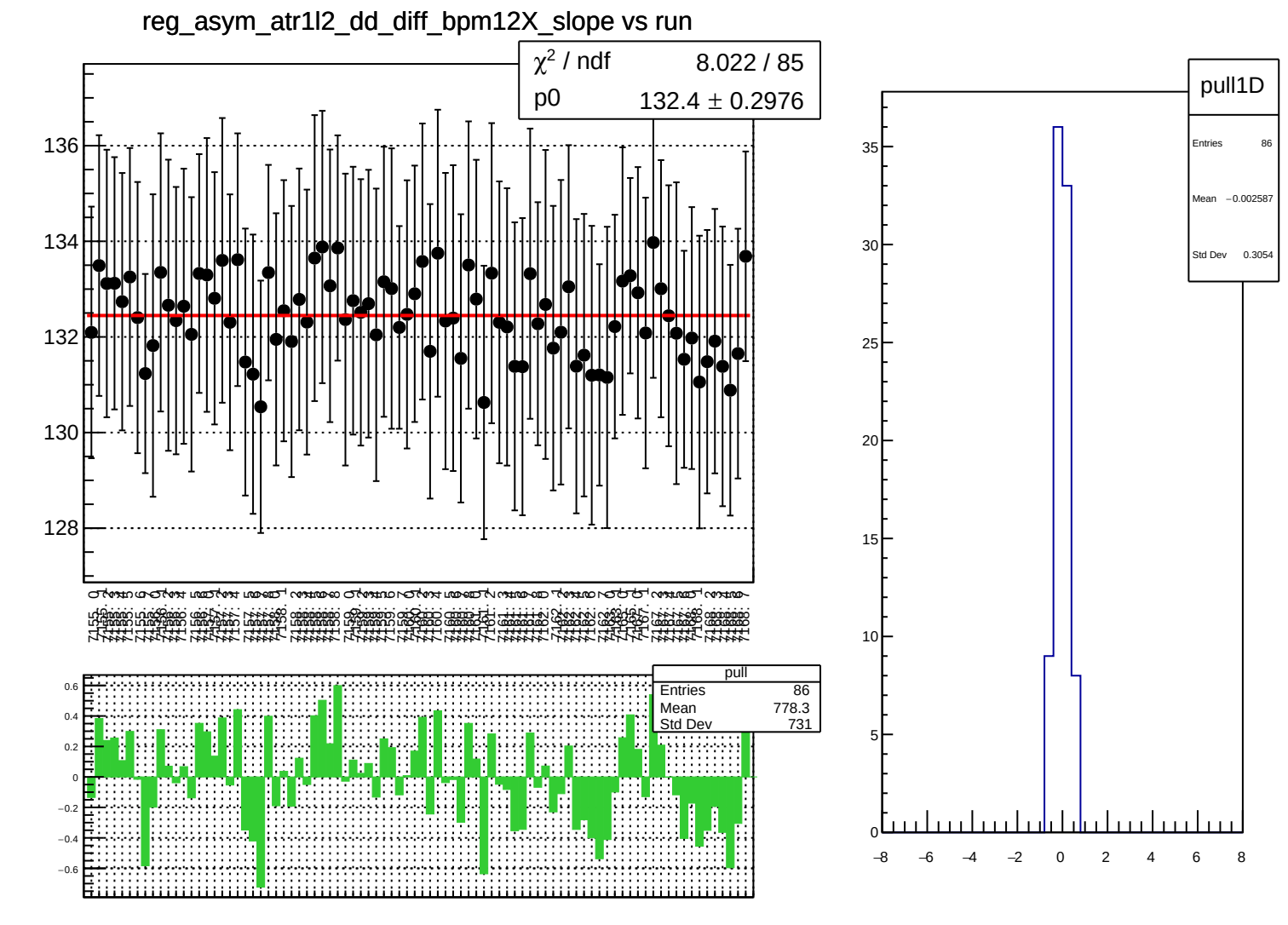

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.613 / 85
p0 10.84 ± 6.557
100
50
0
−50
−100
pull
Entries 86
Mean −1048
Std Dev 1097
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

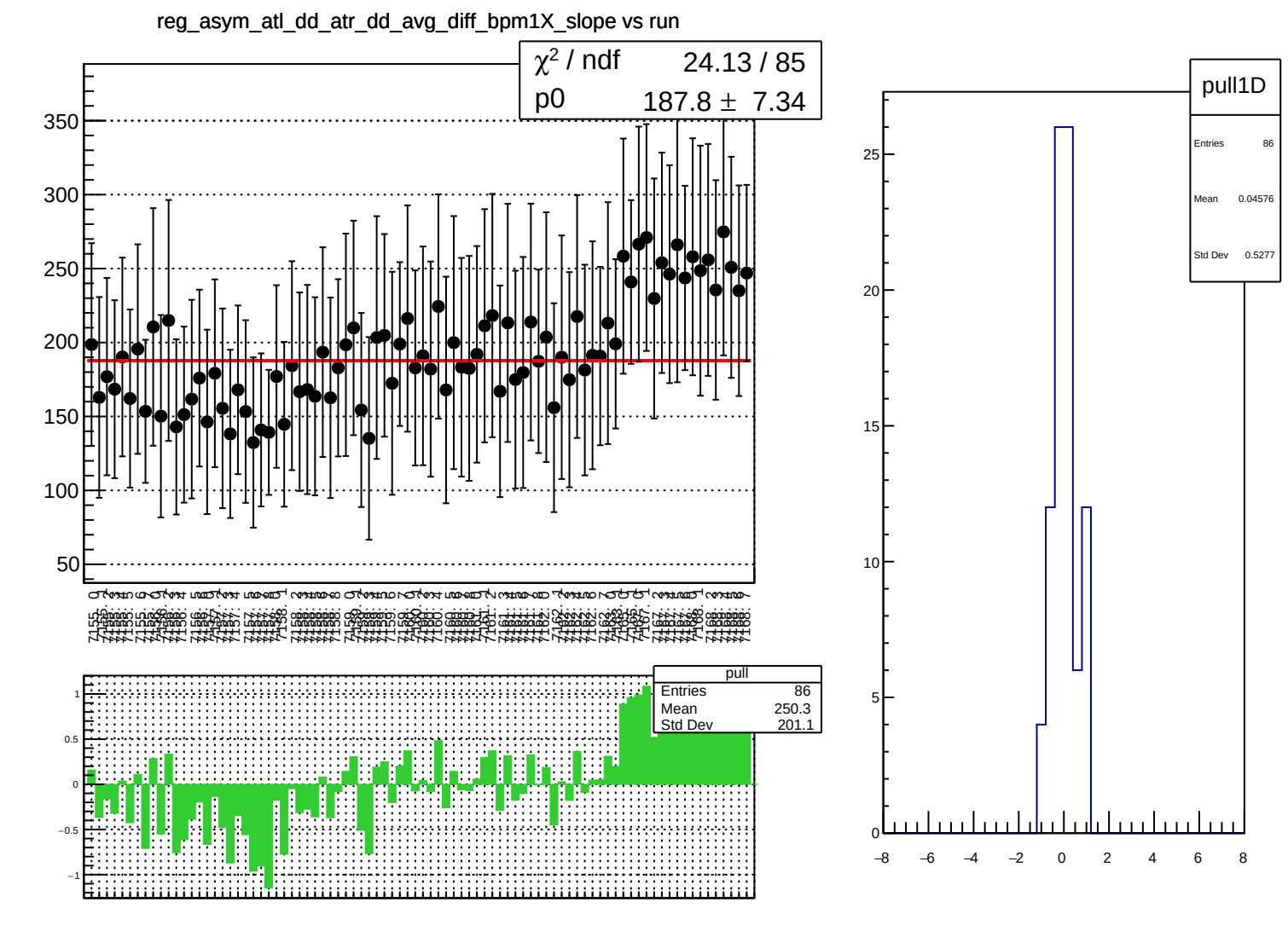

pull1D
Entries 86
Mean 0.003917
Std Dev 0.2975
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

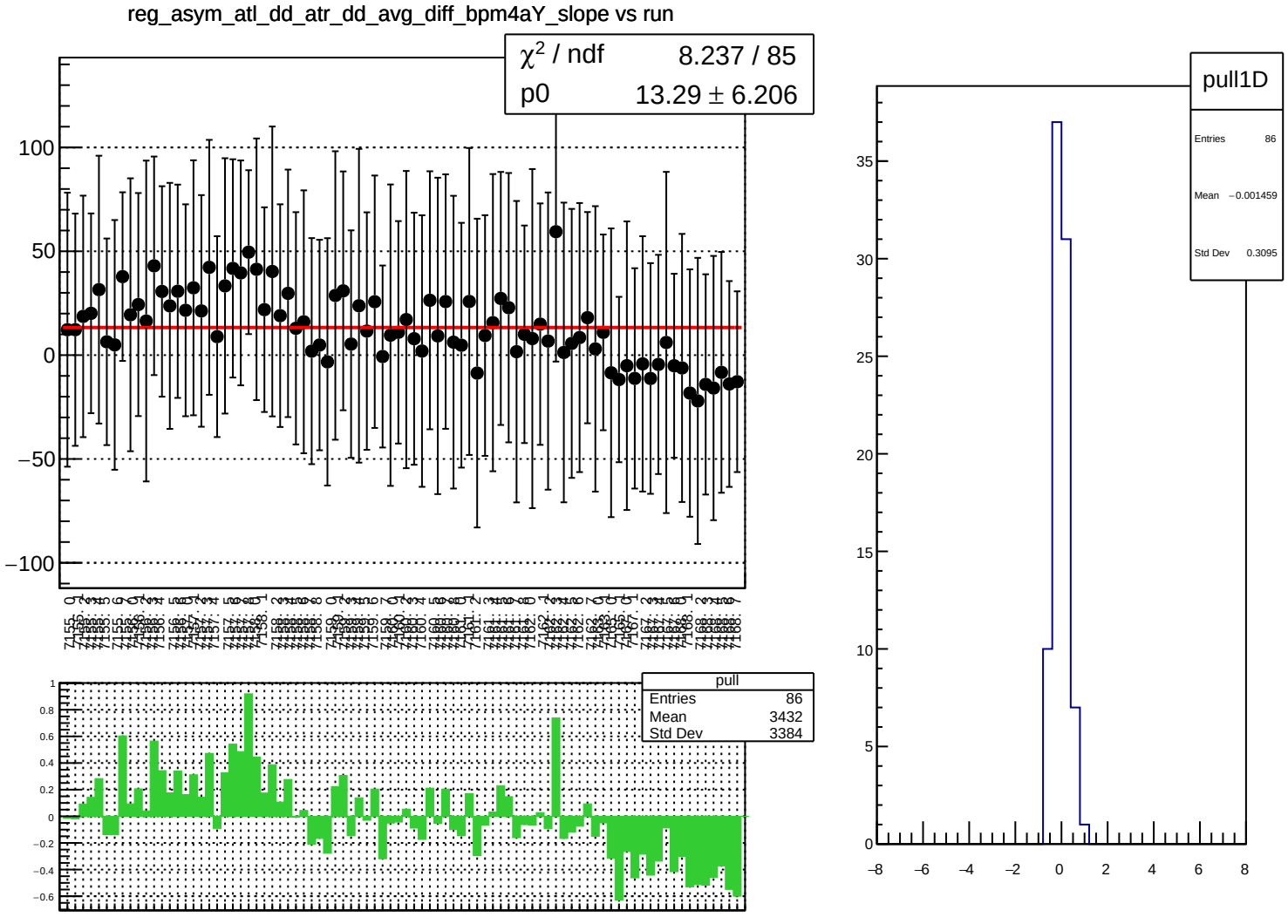

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.98 / 85
p0 −192.9 ± 7.85
−50
−100
−150
−200
−250
−300
−350
pull
Entries 86
Mean 242.4
Std Dev 192.3
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.0378
Std Dev 0.4805
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

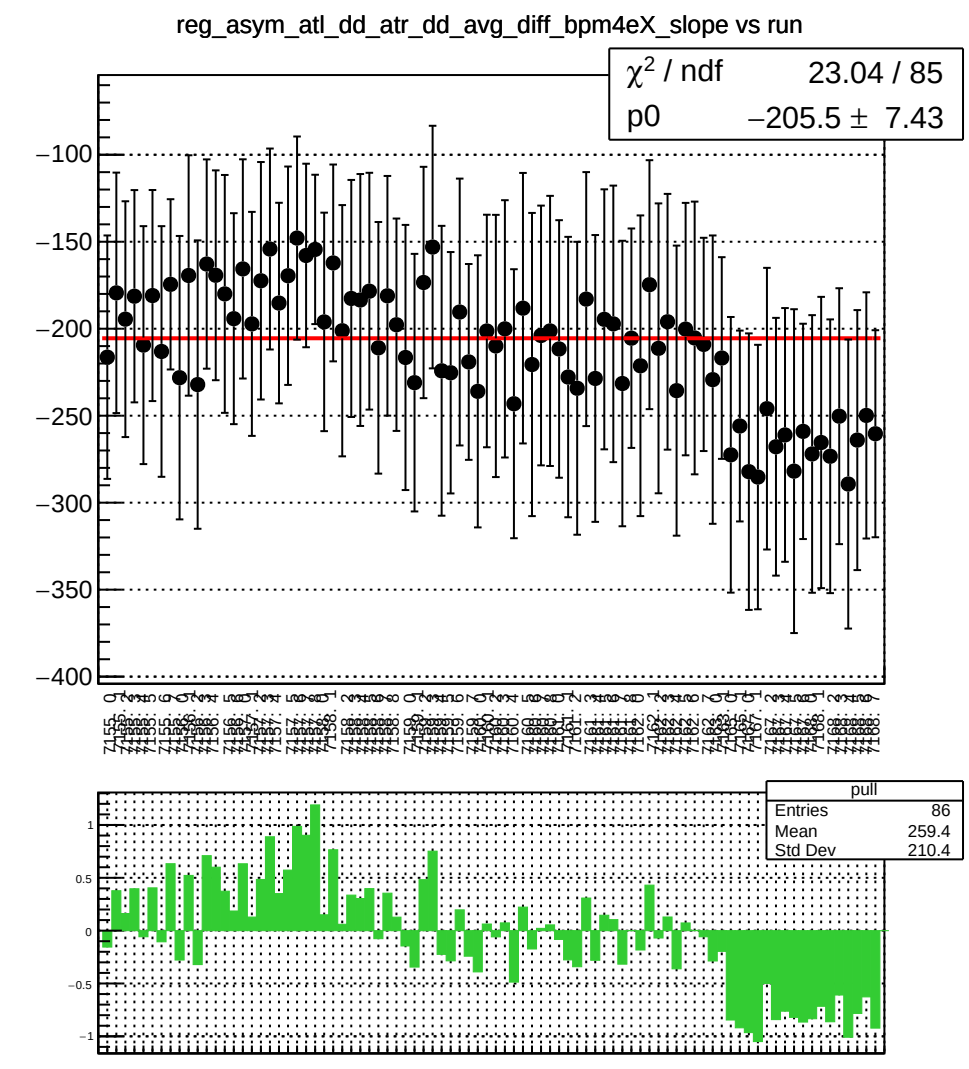

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.226 / 85
p0 −93.08 ± 7.622
pull
Entries 86
Mean 1815
Std Dev 1767

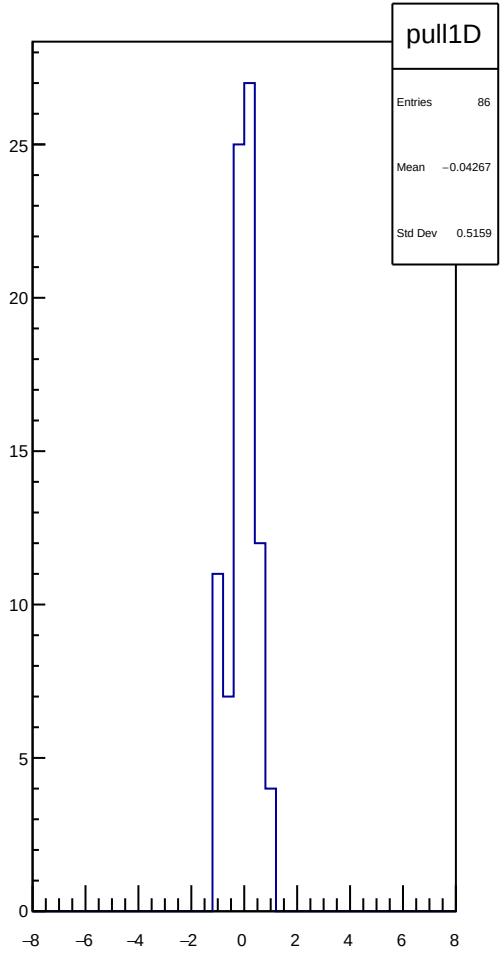

pull1D
Entries 86
Mean 0.002869
Std Dev 0.3275

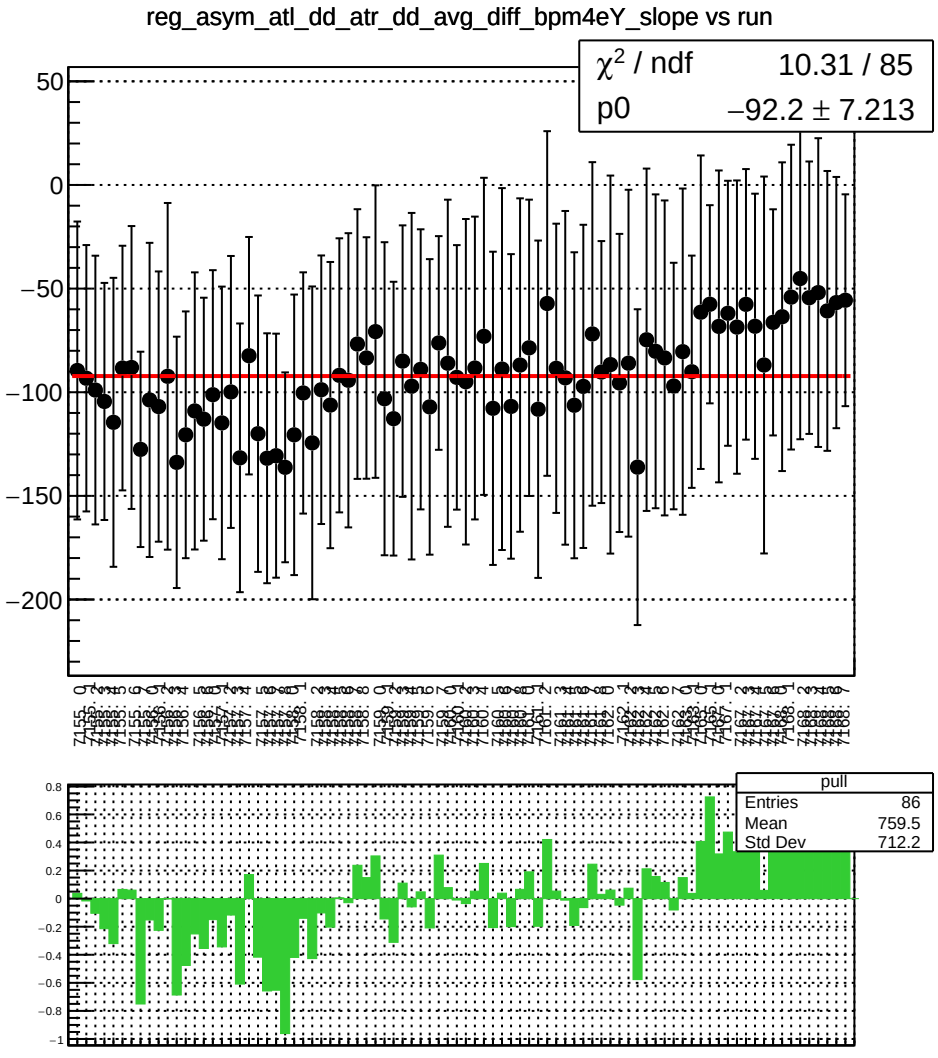

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.022 / 85
p0 132.4 ± 0.2976
136
134
132
130
128
pull
Entries 86
Mean 778.3
Std Dev 731
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.002587
Std Dev 0.3054
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

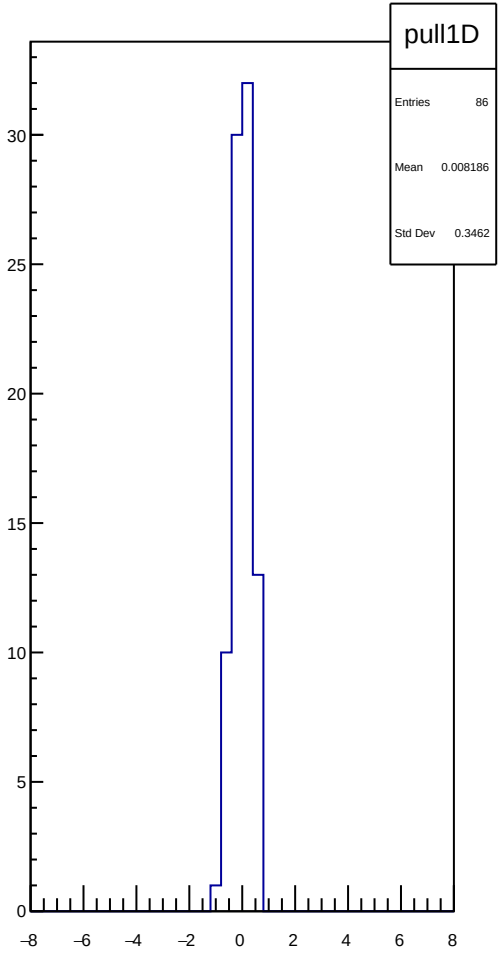

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 24.13 / 85
p0 187.8 ± 7.34
pull
Entries 86
Mean 250.3
Std Dev 201.1
pull1D
Entries 86
Mean 0.04576
Std Dev 0.5277

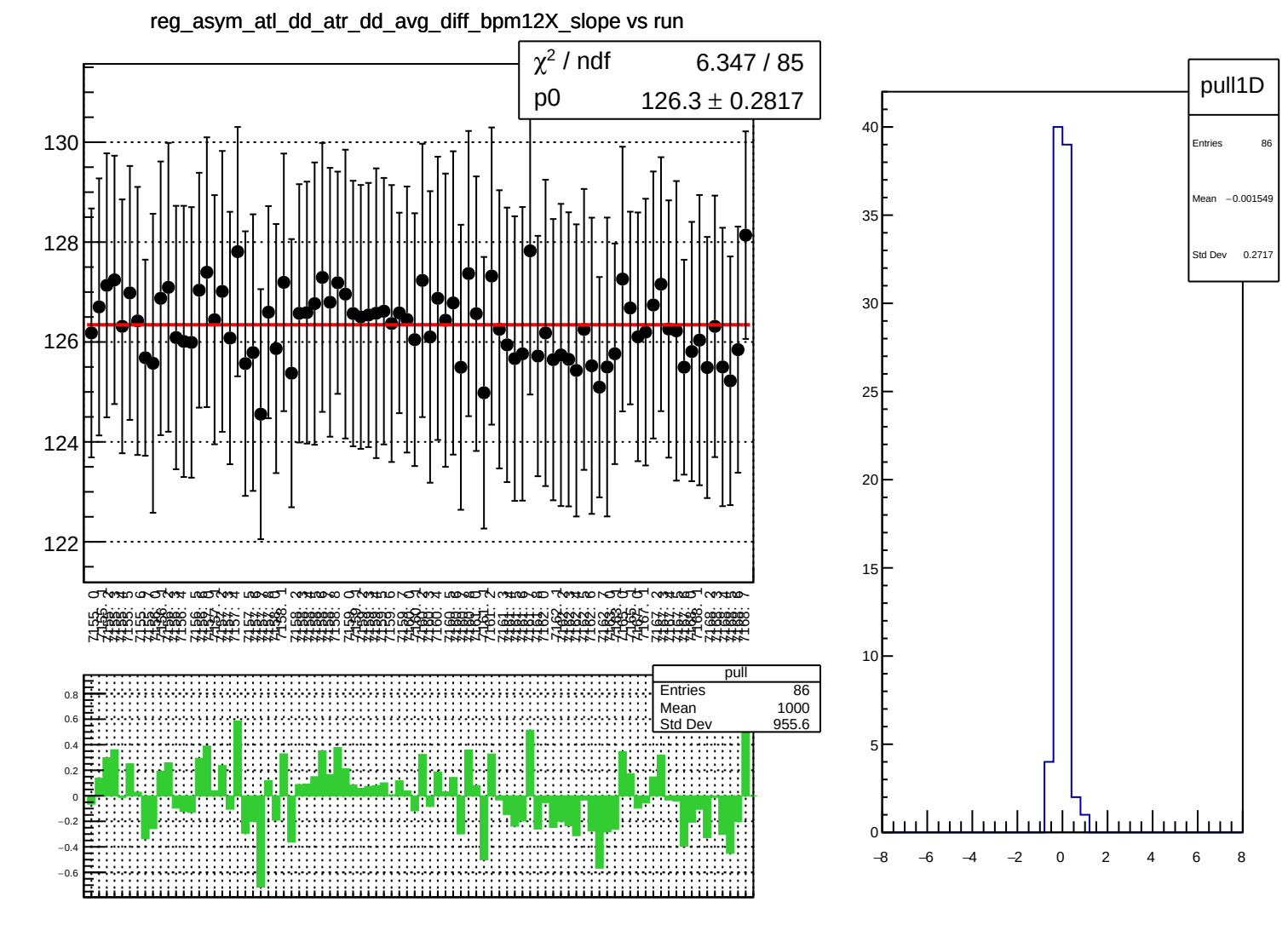

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.237 / 85
p0 13.29 ± 6.206
pull
Entries 86
Mean 3432
Std Dev 3384
pull1D
Entries 86
Mean −0.001459
Std Dev 0.3095

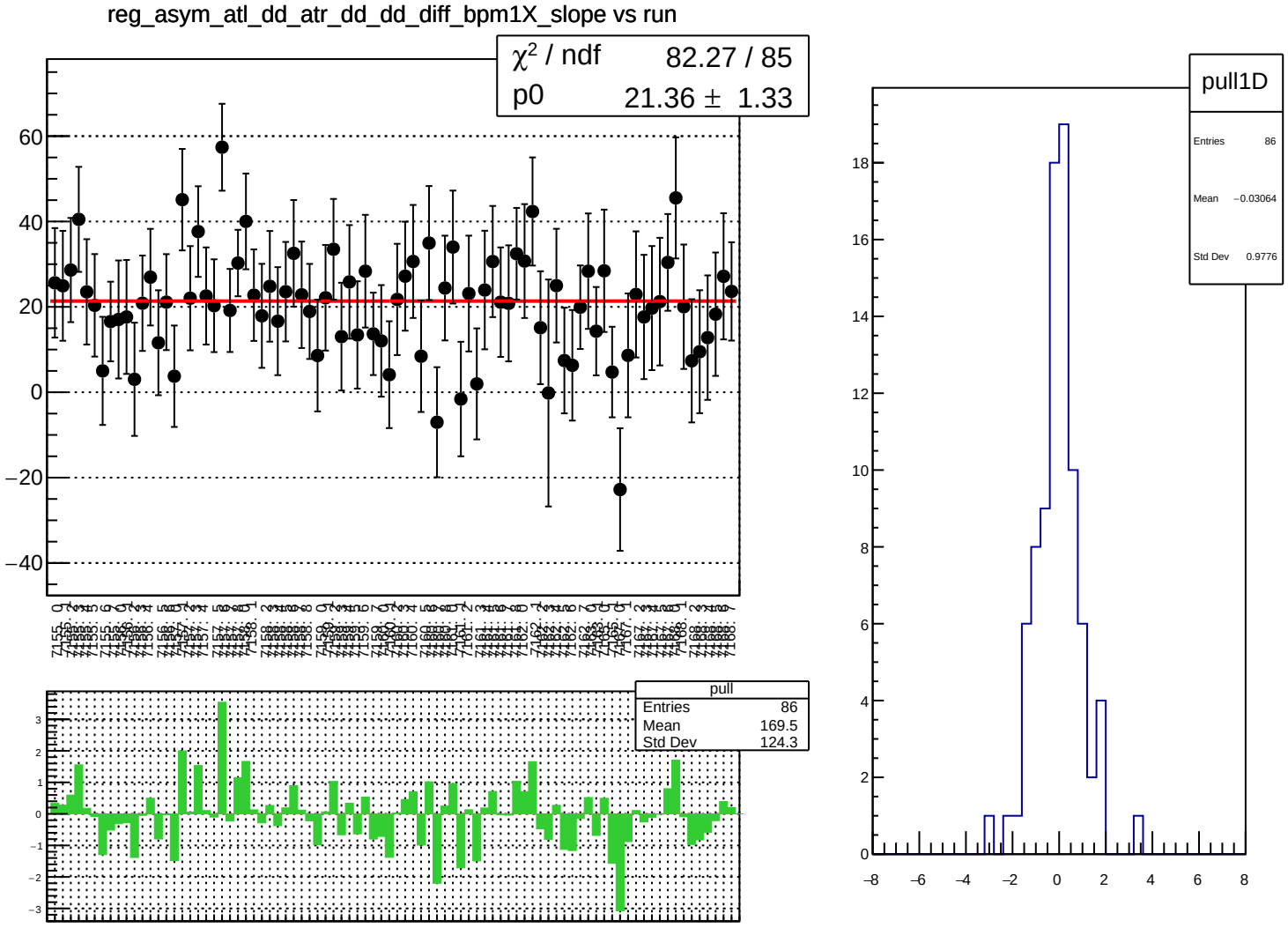

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.04 / 85
p0 −205.5 ± 7.43
−100
−150
−200
−250
−300
−350
−400
pull
Entries 86
Mean 259.4
Std Dev 210.4
1
0.5
0
−0.5
−1

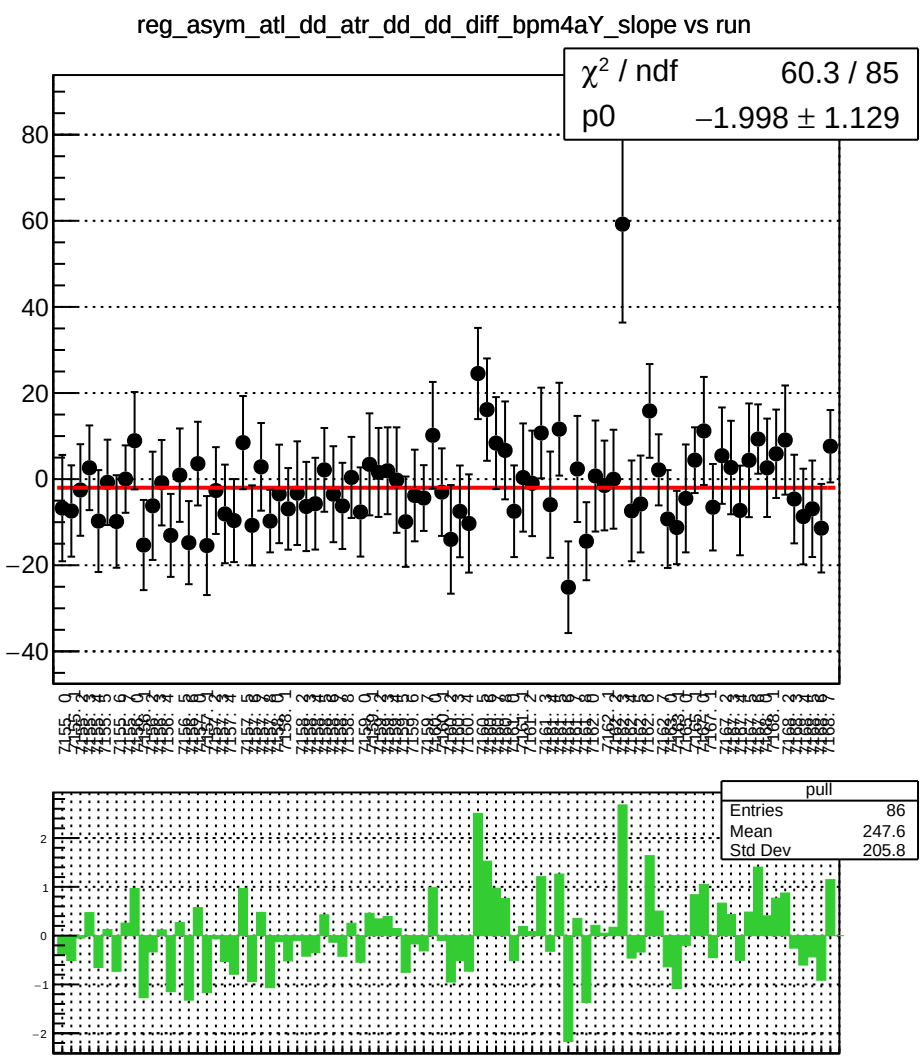

pull1D
Entries 86
Mean −0.04267
Std Dev 0.5159
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

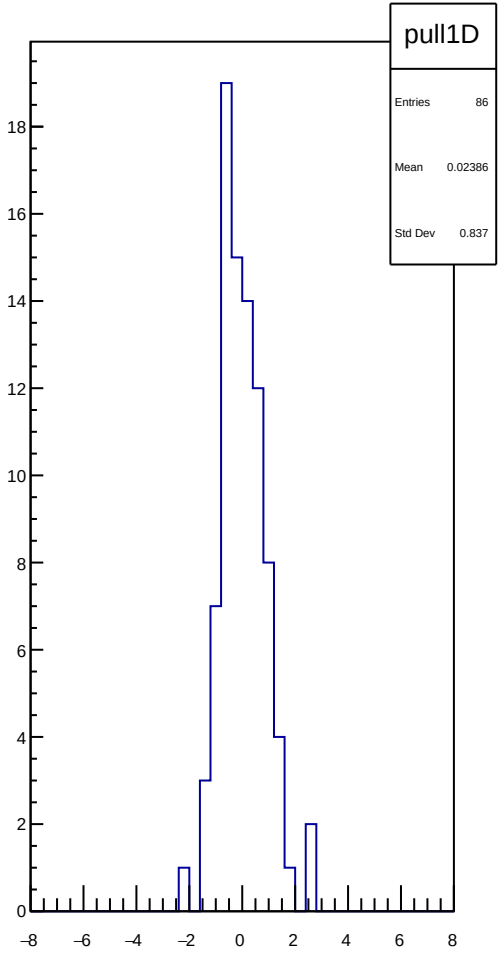

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.31 / 85
p0 −92.2 ± 7.213
pull
Entries 86
Mean 759.5
Std Dev 712.2

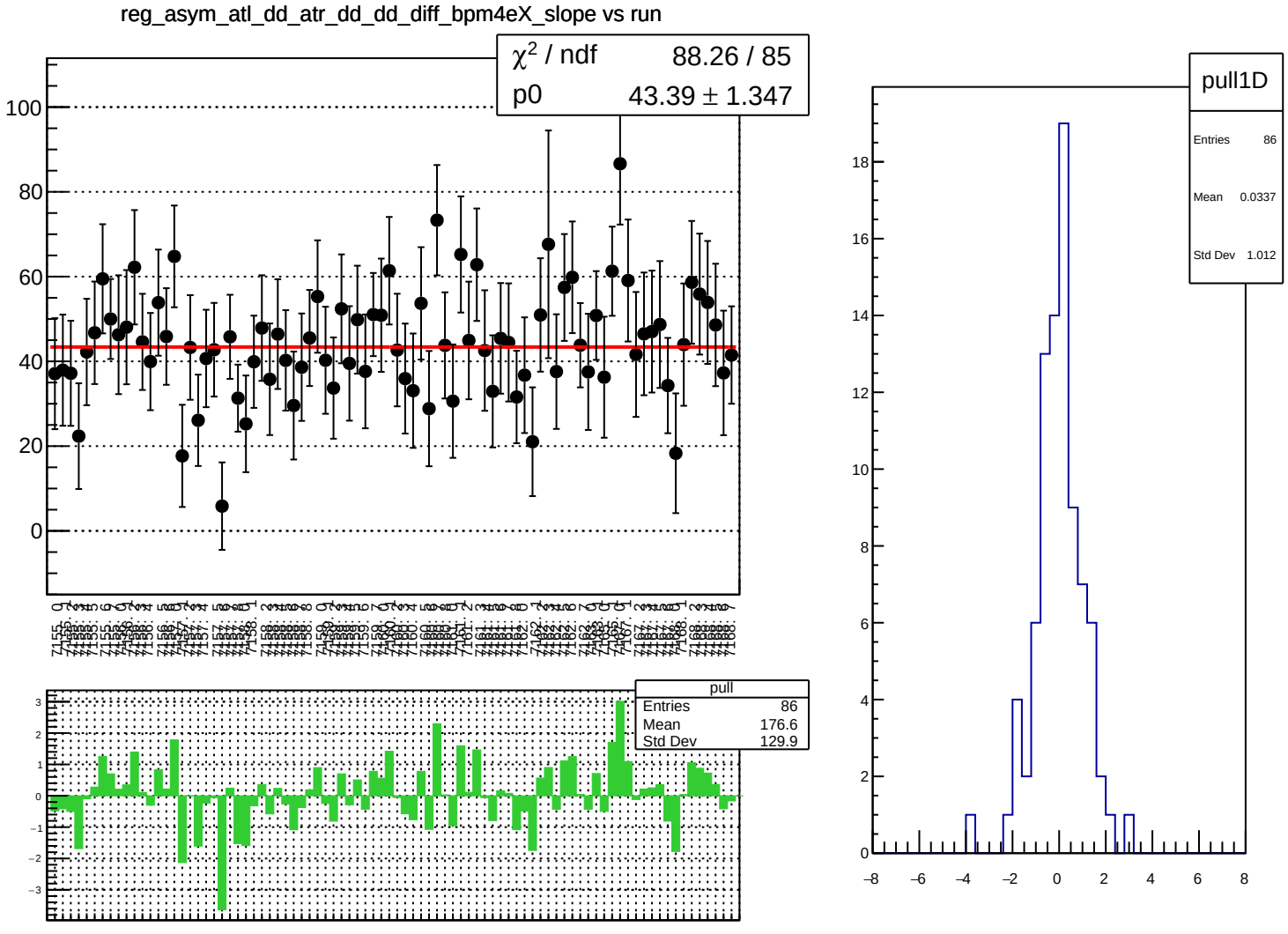

pull1D
Entries 86
Mean 0.008186
Std Dev 0.3462

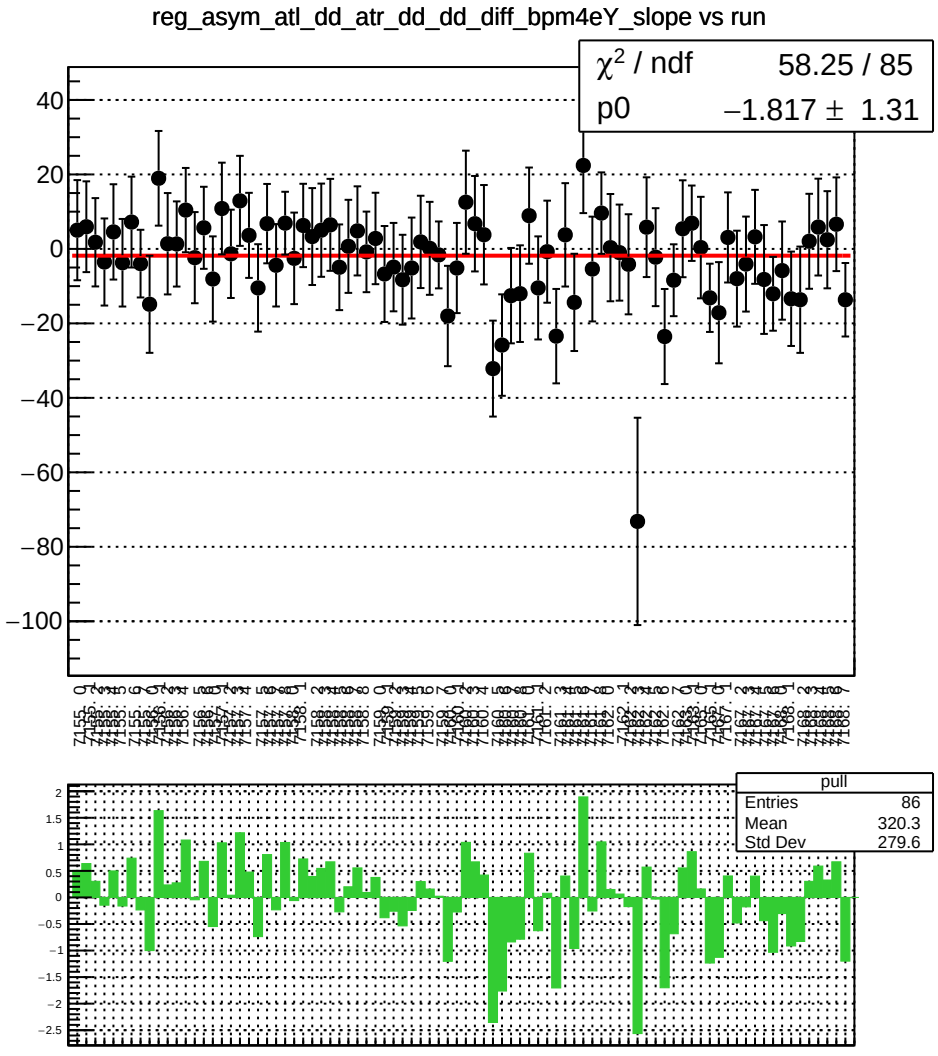

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6.347 / 85
p0 126.3 ± 0.2817
130
128
126
124
122
pull
Entries 86
Mean 1000
Std Dev 955.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.001549
Std Dev 0.2717
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

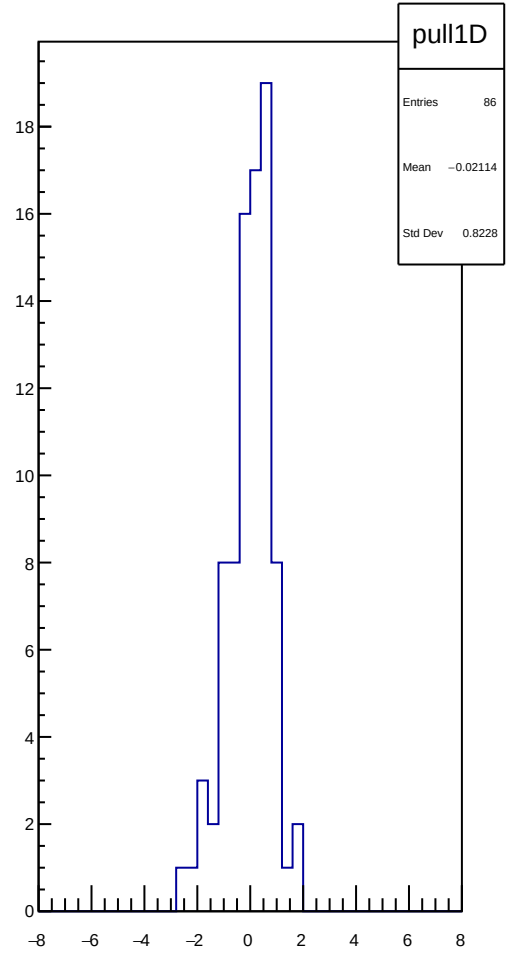

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 82.27 / 85
p0 21.36 ± 1.33
pull
Entries 86
Mean 169.5
Std Dev 124.3
pull1D
Entries 86
Mean −0.03064
Std Dev 0.9776

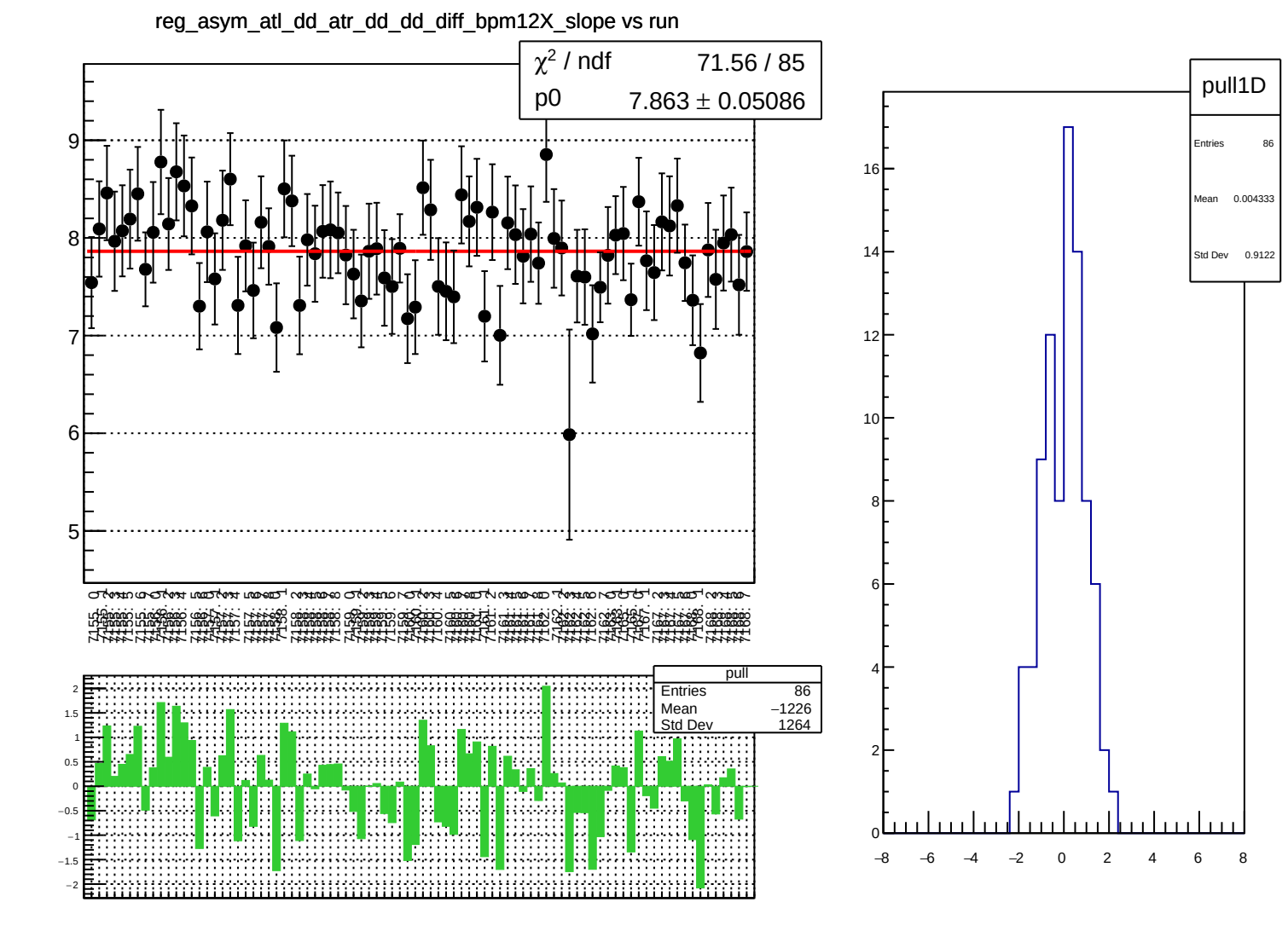

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.3 / 85
p0 −1.998 ± 1.129
pull
Entries 86
Mean 247.6
Std Dev 205.8

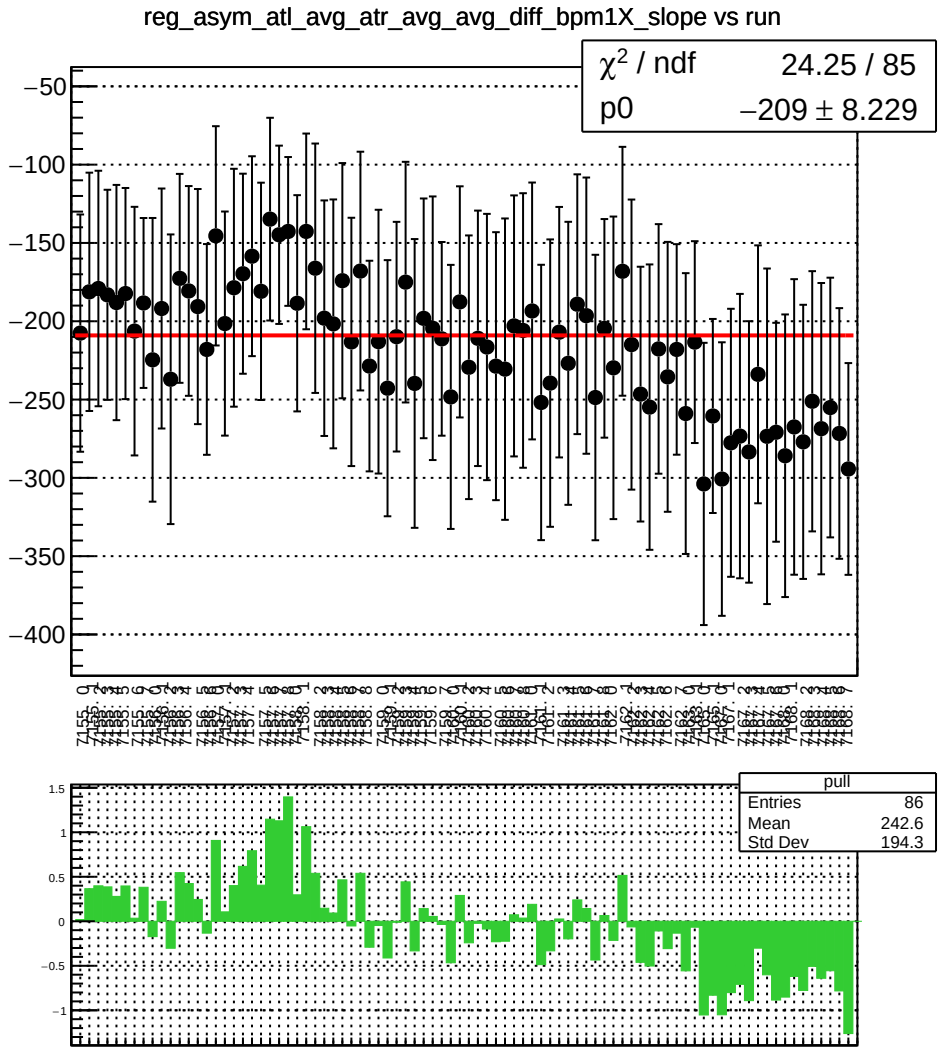

pull1D
Entries 86
Mean 0.02386
Std Dev 0.837

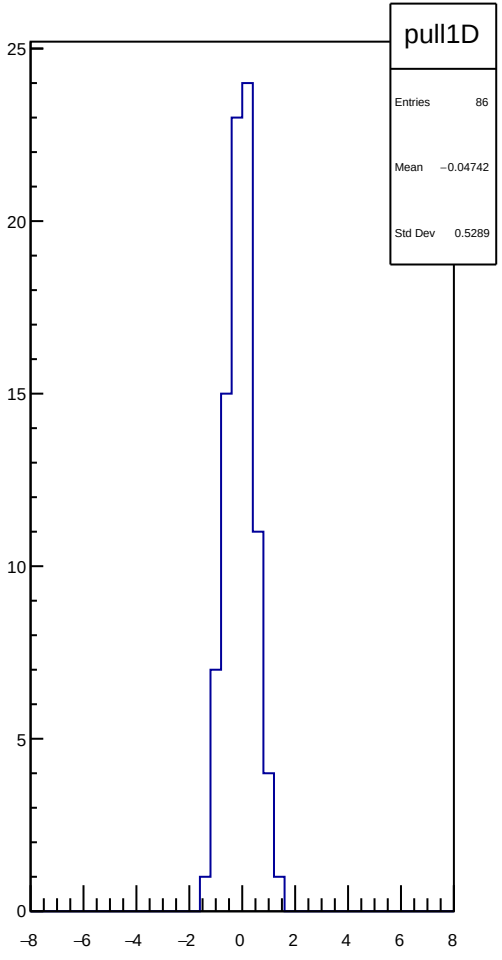

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.26 / 85
p0 43.39 ± 1.347
pull
Entries 86
Mean 176.6
Std Dev 129.9
pull1D
Entries 86
Mean 0.0337
Std Dev 1.012

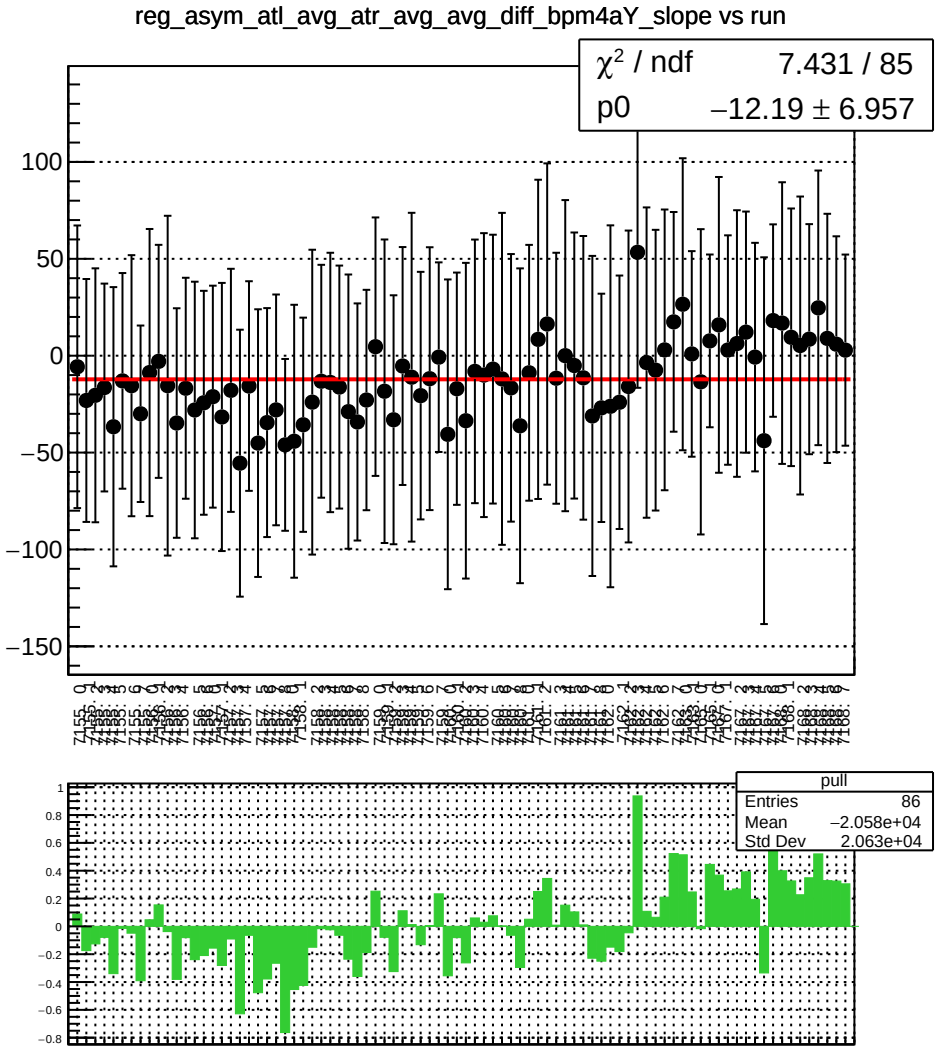

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.25 / 85
p0 −1.817 ± 1.31
pull
Entries 86
Mean 320.3
Std Dev 279.6

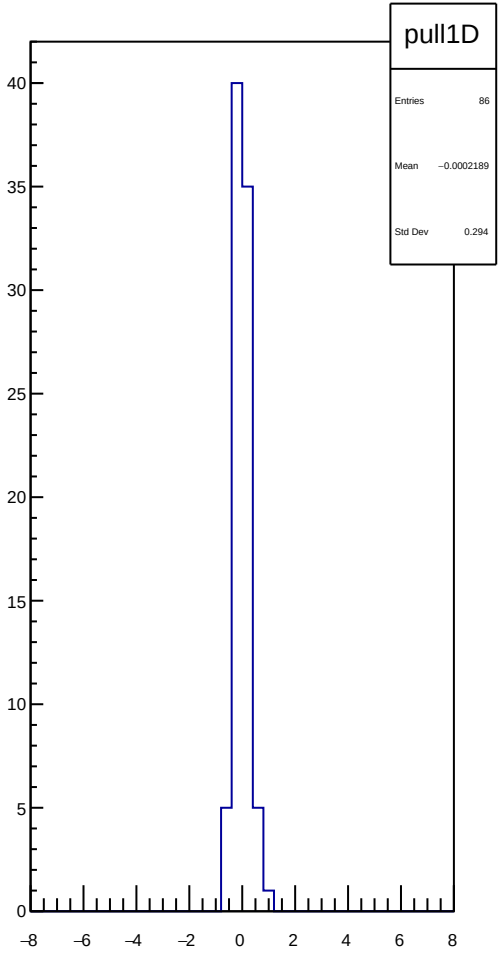

pull1D
Entries 86
Mean −0.02114
Std Dev 0.8228

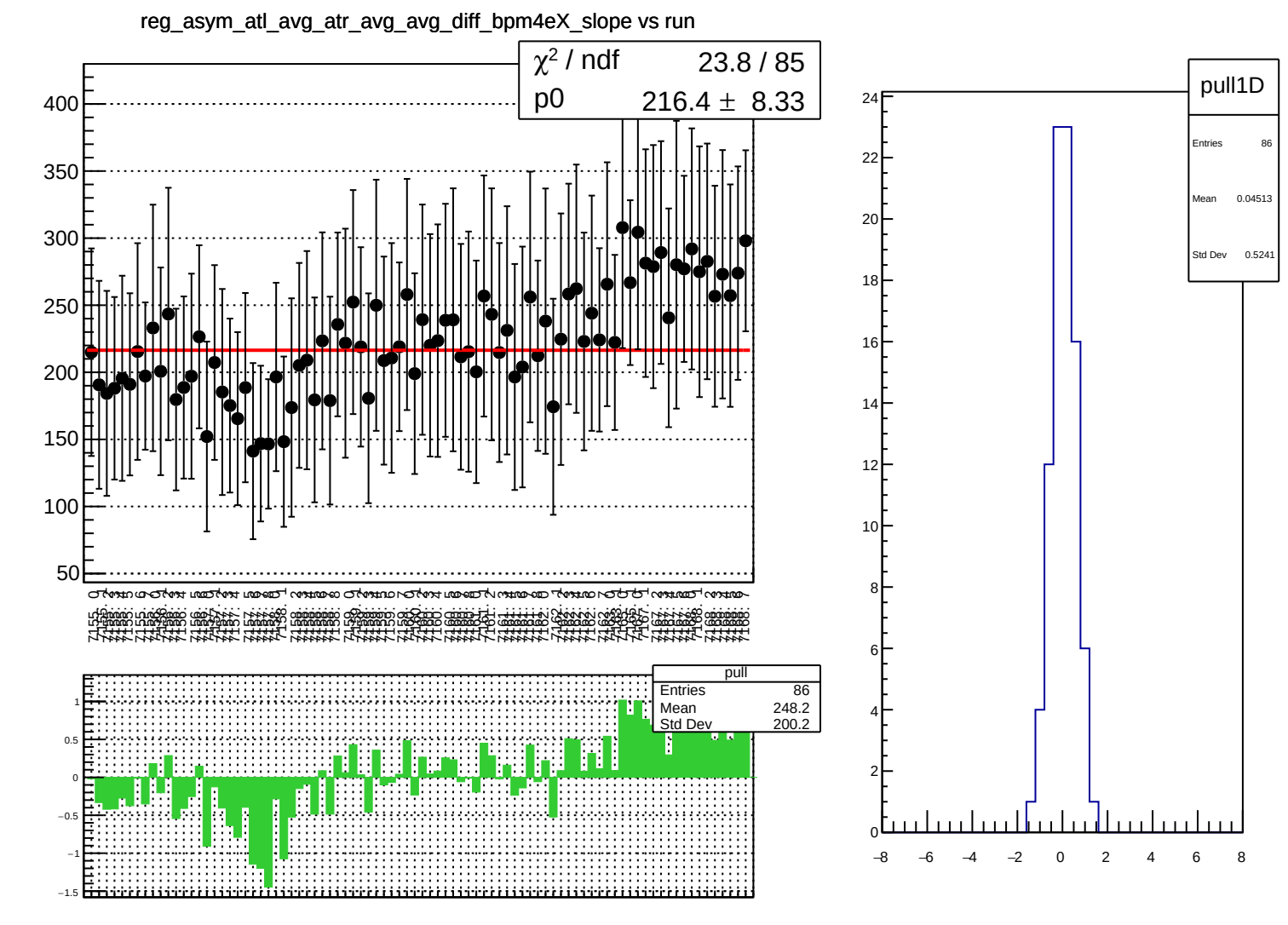

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 71.56 / 85
p0 7.863 ± 0.05086
pull
Entries 86
Mean −1226
Std Dev 1264
pull1D
Entries 86
Mean 0.004333
Std Dev 0.9122

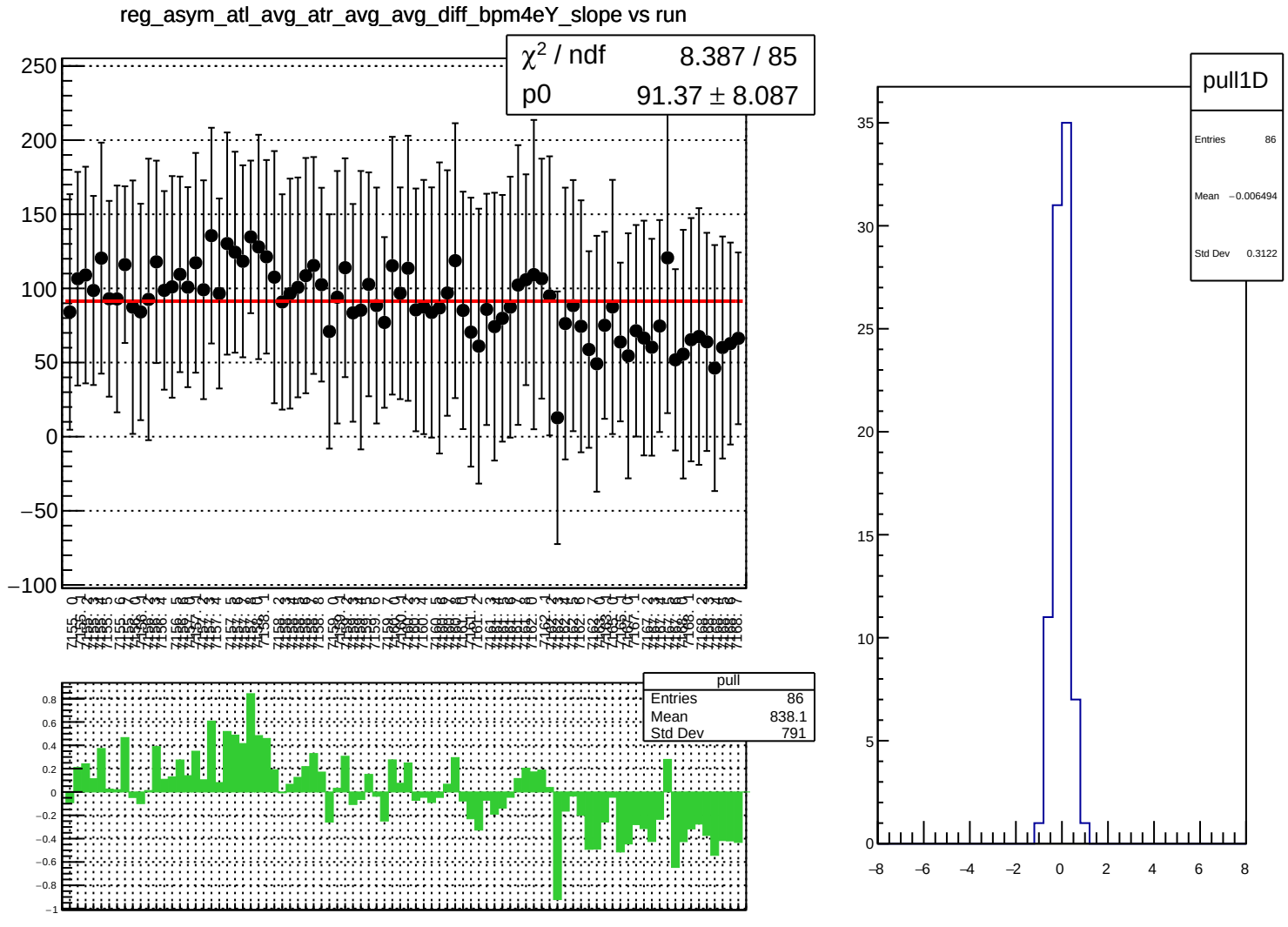

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 24.25 / 85
p0 −209 ± 8.229
pull
Entries 86
Mean 242.6
Std Dev 194.3

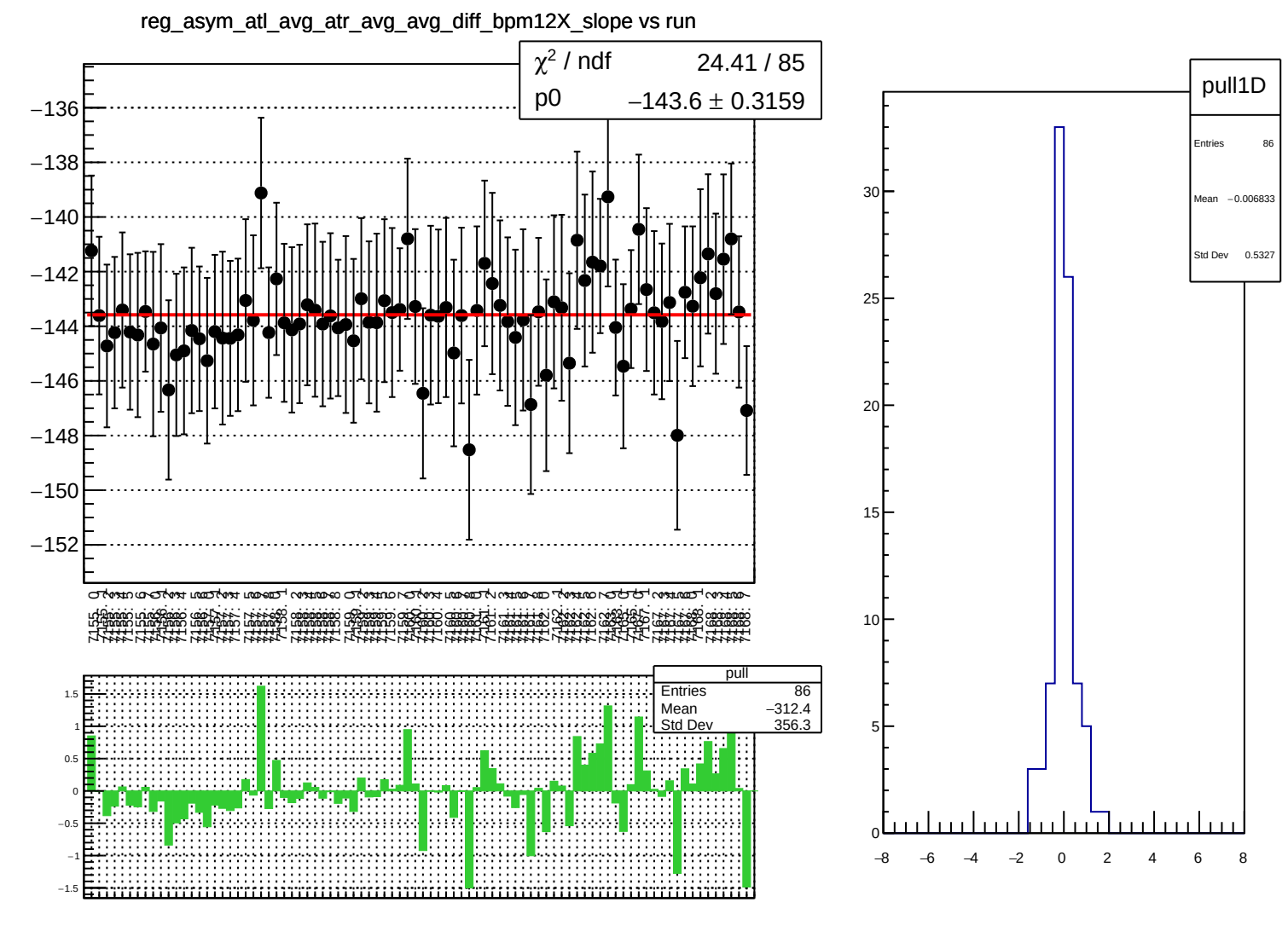

pull1D
Entries 86
Mean −0.04742
Std Dev 0.5289

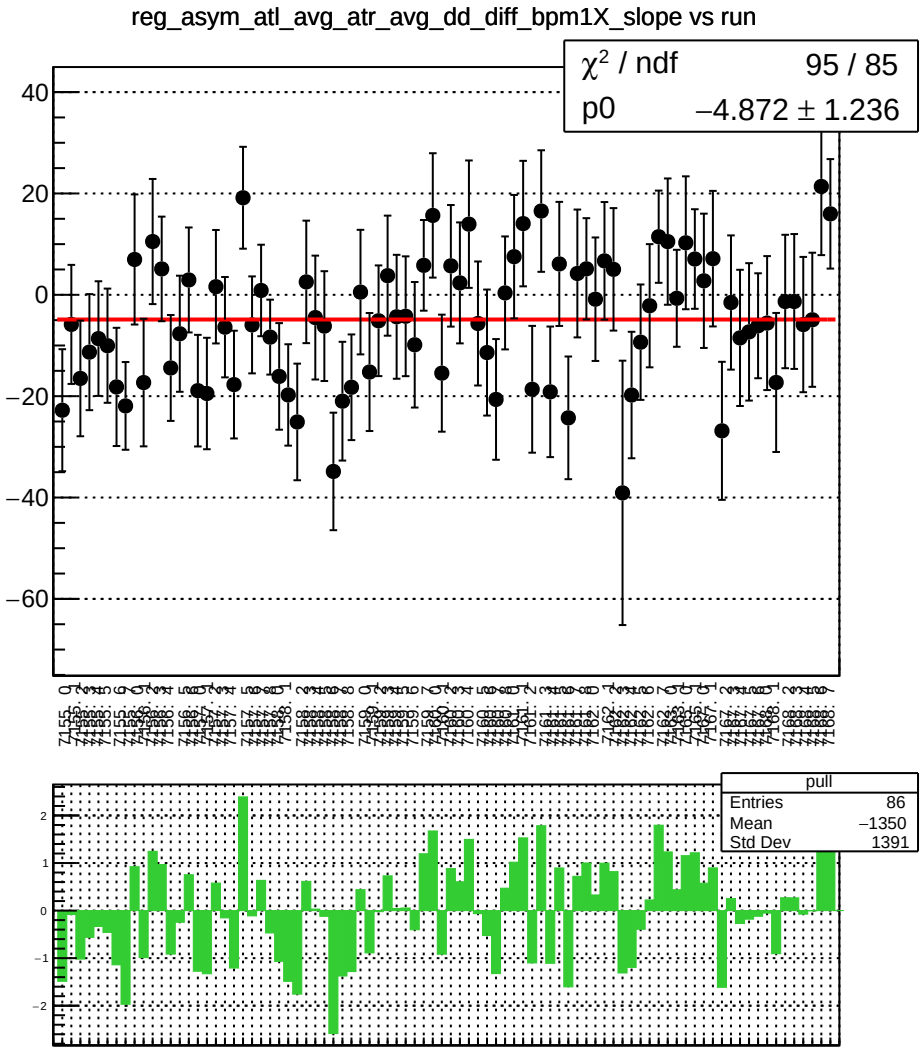

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.431 / 85
p0 −12.19 ± 6.957
pull
Entries 86
Mean −2.058e+04
Std Dev 2.063e+04

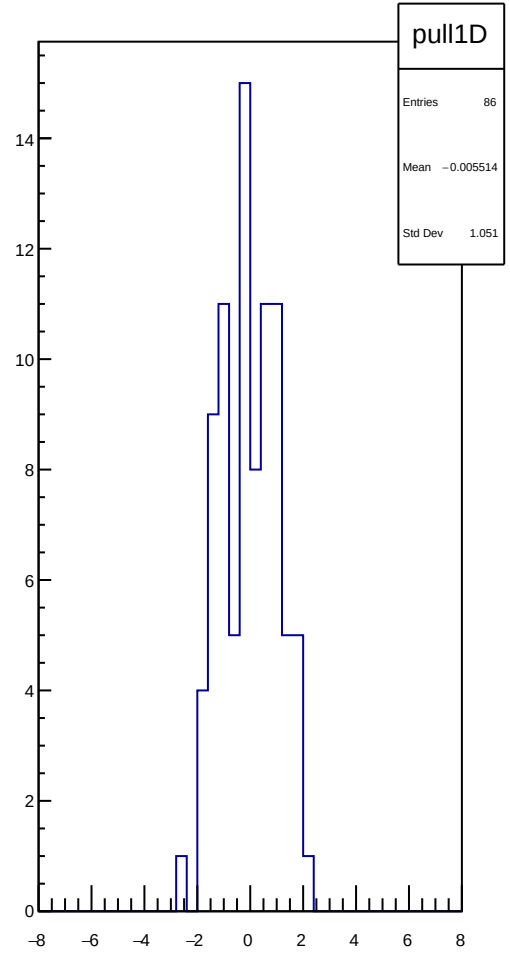

pull1D
Entries 86
Mean −0.0002189
Std Dev 0.294

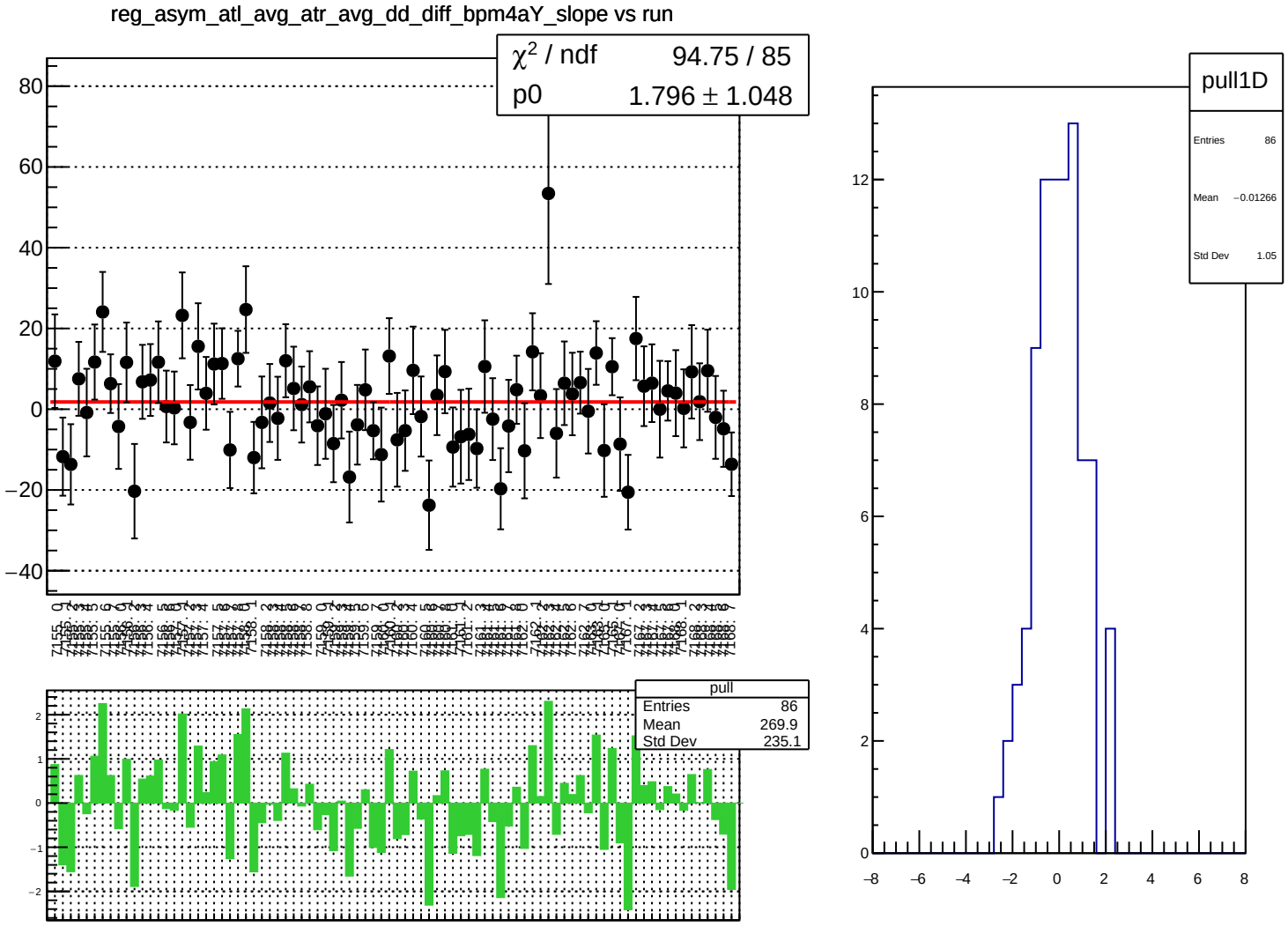

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.8 / 85
p0 216.4 ± 8.33
pull
Entries 86
Mean 248.2
Std Dev 200.2
pull1D
Entries 86
Mean 0.04513
Std Dev 0.5241

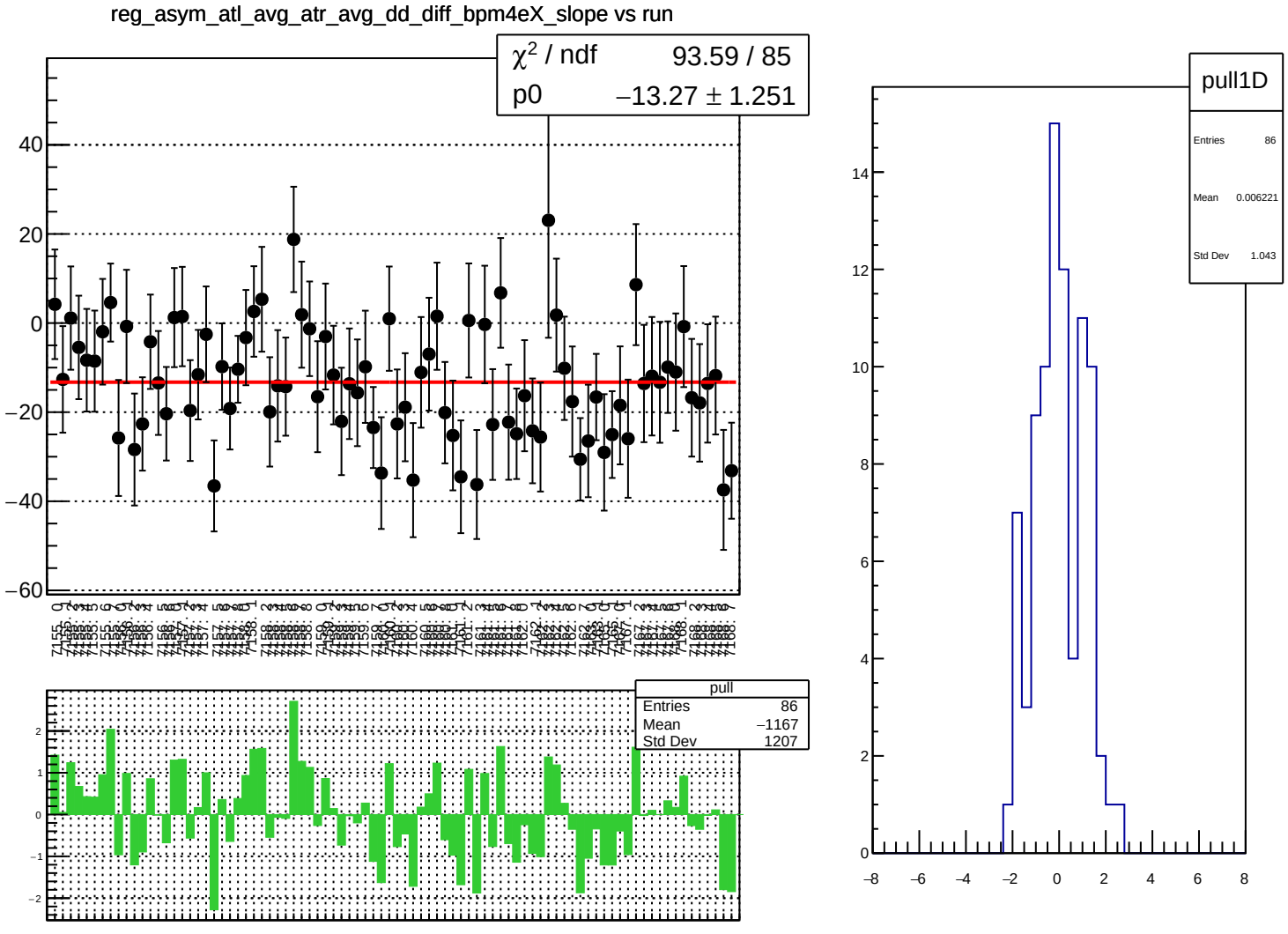

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.387 / 85
p0 91.37 ± 8.087
pull
Entries 86
Mean 838.1
Std Dev 791
pull1D
Entries 86
Mean −0.006494
Std Dev 0.3122

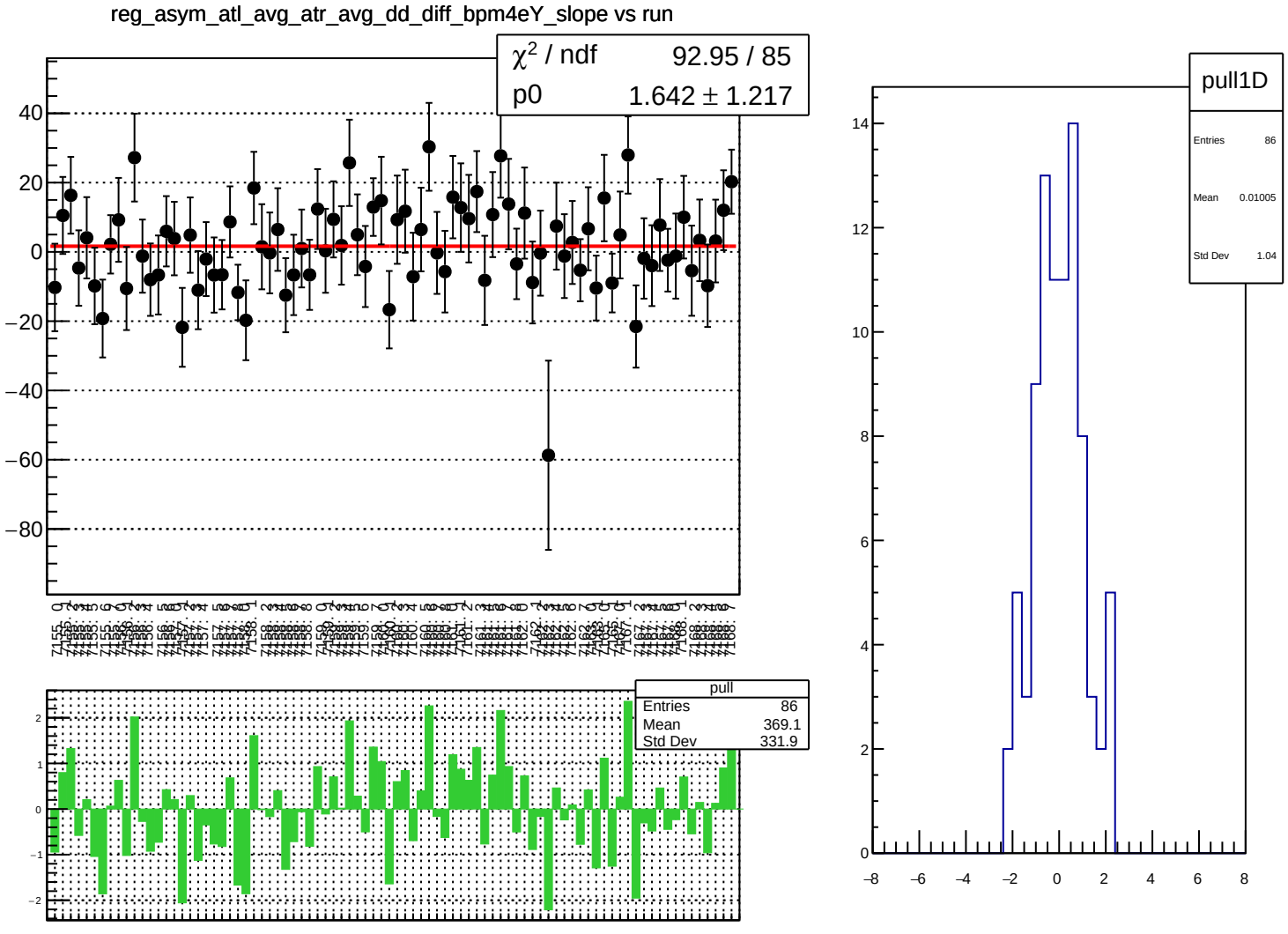

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 24.41 / 85
p0 −143.6 ± 0.3159
pull
Entries 86
Mean −312.4
Std Dev 356.3
pull1D
Entries 86
Mean −0.006833
Std Dev 0.5327

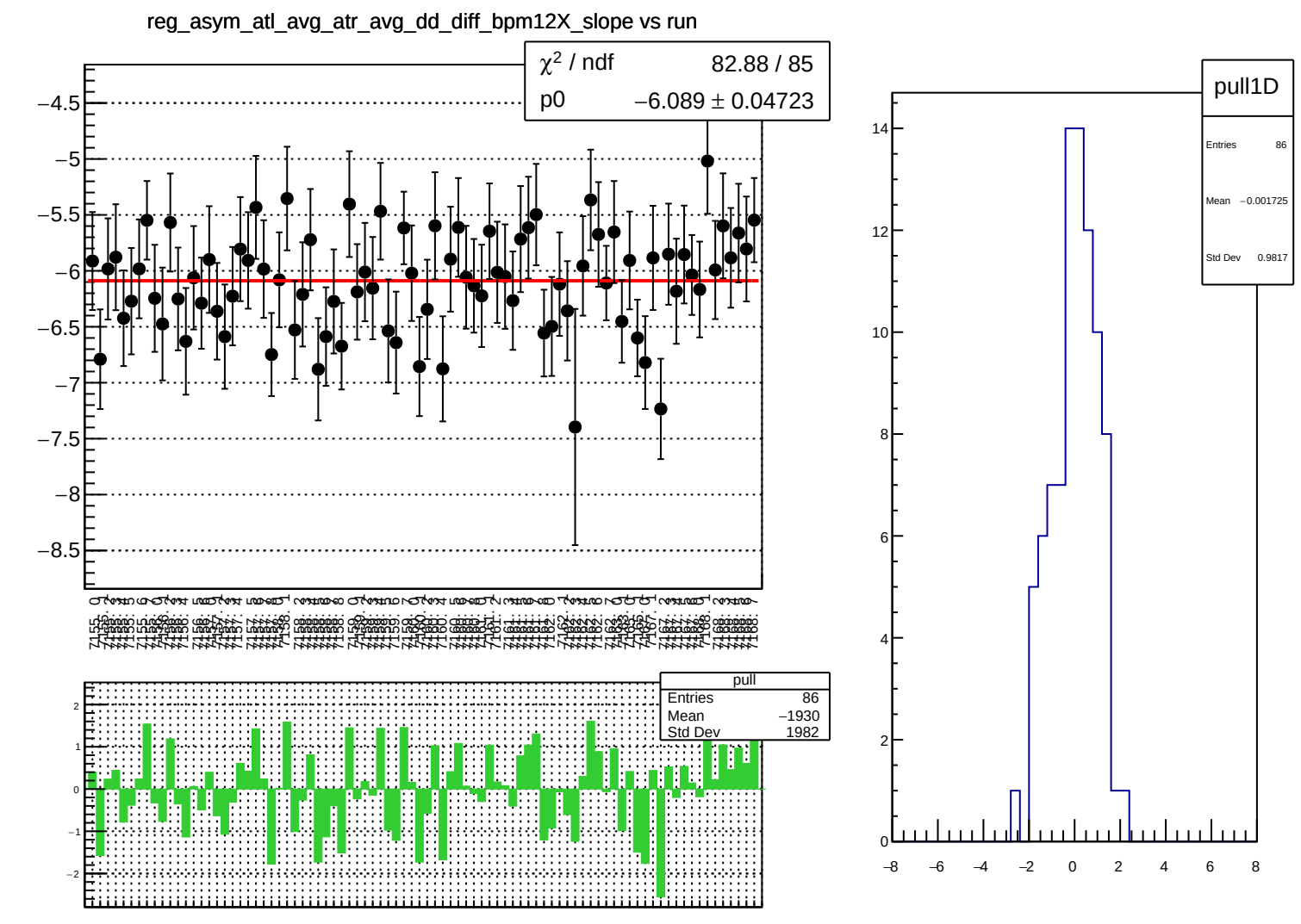

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 95 / 85
p0 −4.872 ± 1.236
pull
Entries 86
Mean −1350
Std Dev 1391

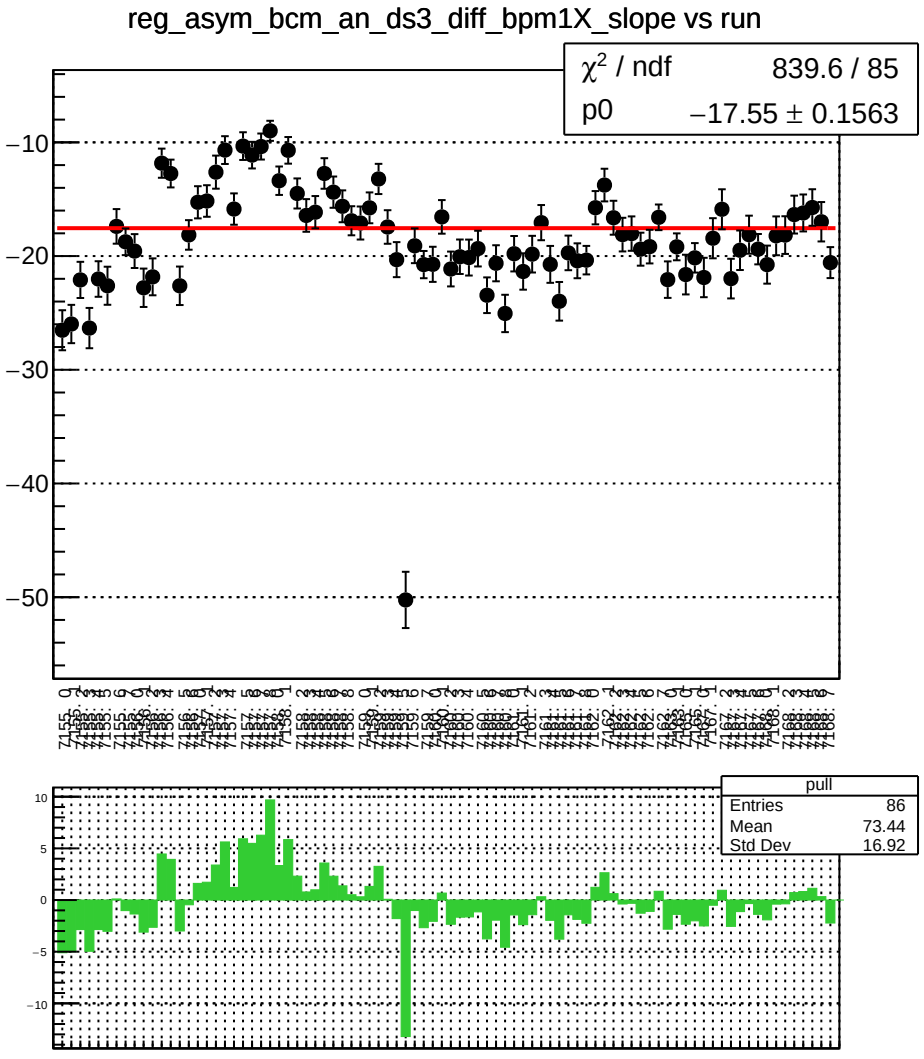

pull1D
Entries 86
Mean −0.005514
Std Dev 1.051

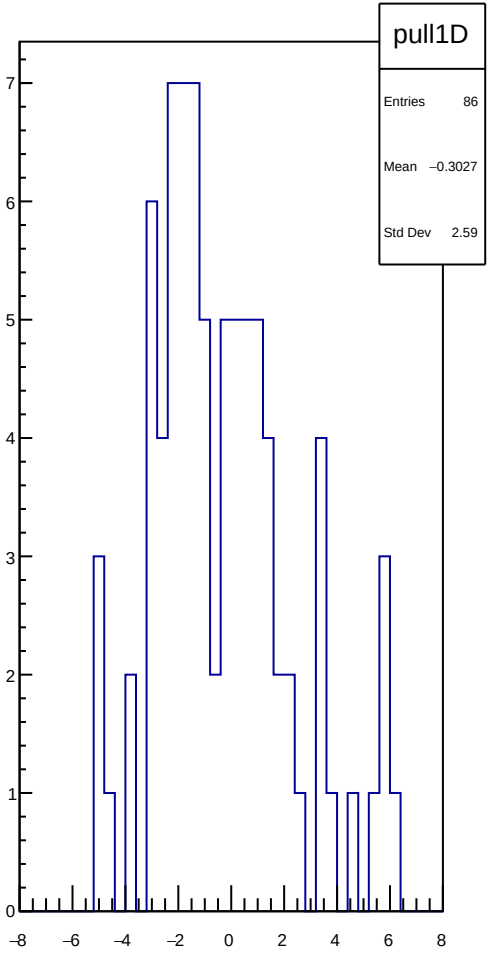

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 94.75 / 85
p0 1.796 ± 1.048
pull
Entries 86
Mean 269.9
Std Dev 235.1
pull1D
Entries 86
Mean −0.01266
Std Dev 1.05

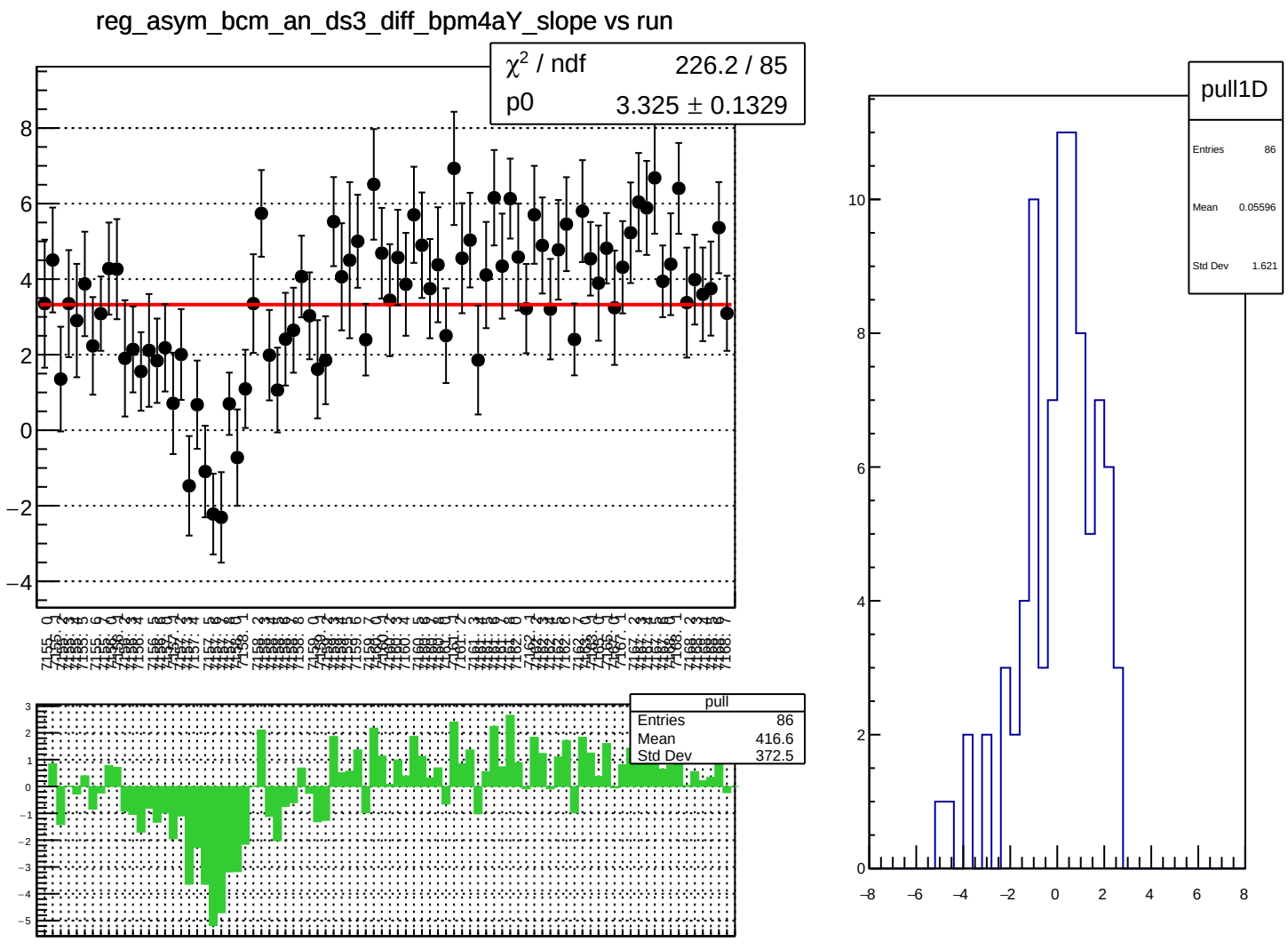

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.59 / 85
p0 −13.27 ± 1.251
pull
Entries 86
Mean −1167
Std Dev 1207
pull1D
Entries 86
Mean 0.006221
Std Dev 1.043

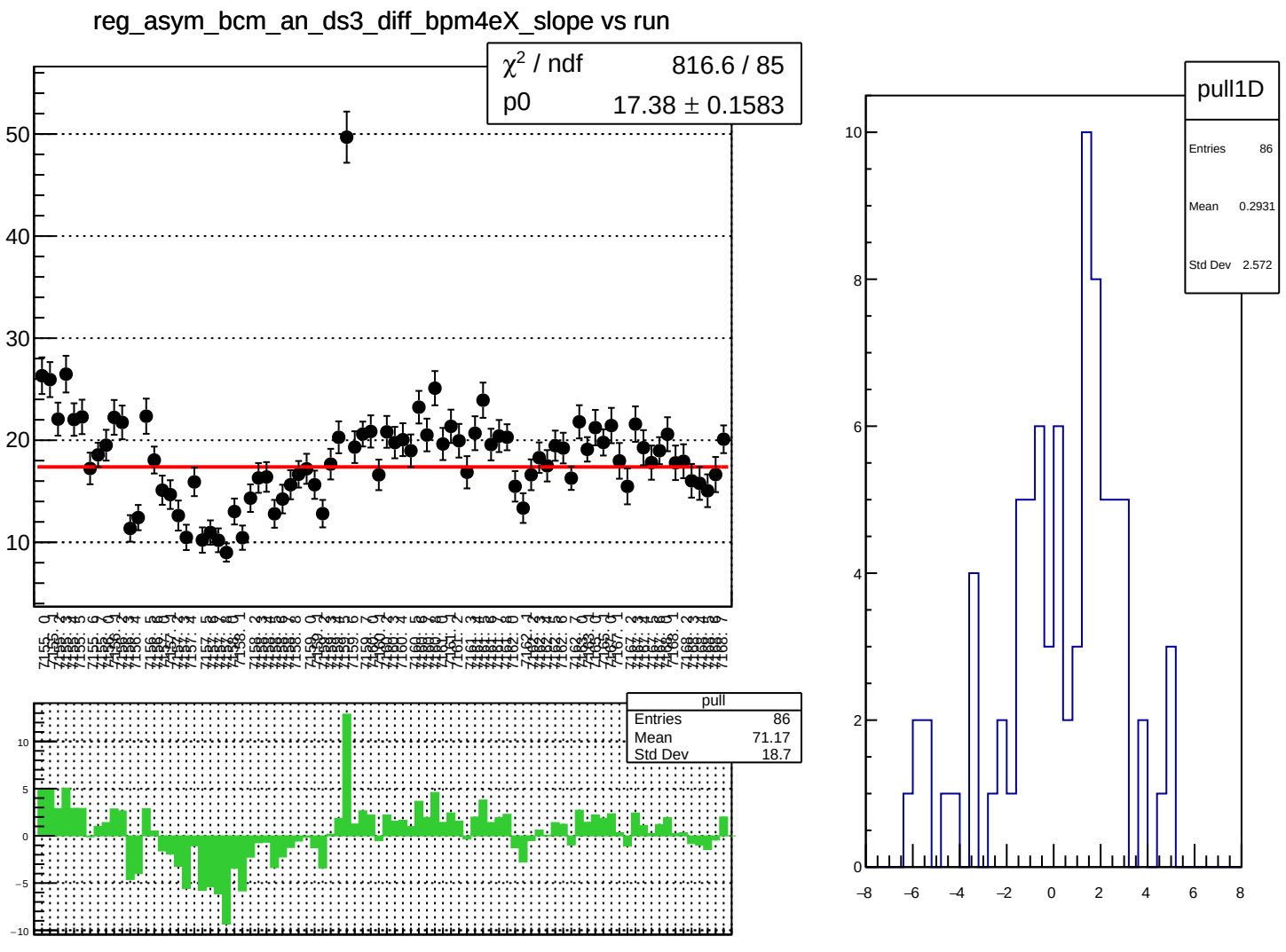

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.95 / 85
p0 1.642 ± 1.217
pull
Entries 86
Mean 369.1
Std Dev 331.9
pull1D
Entries 86
Mean 0.01005
Std Dev 1.04

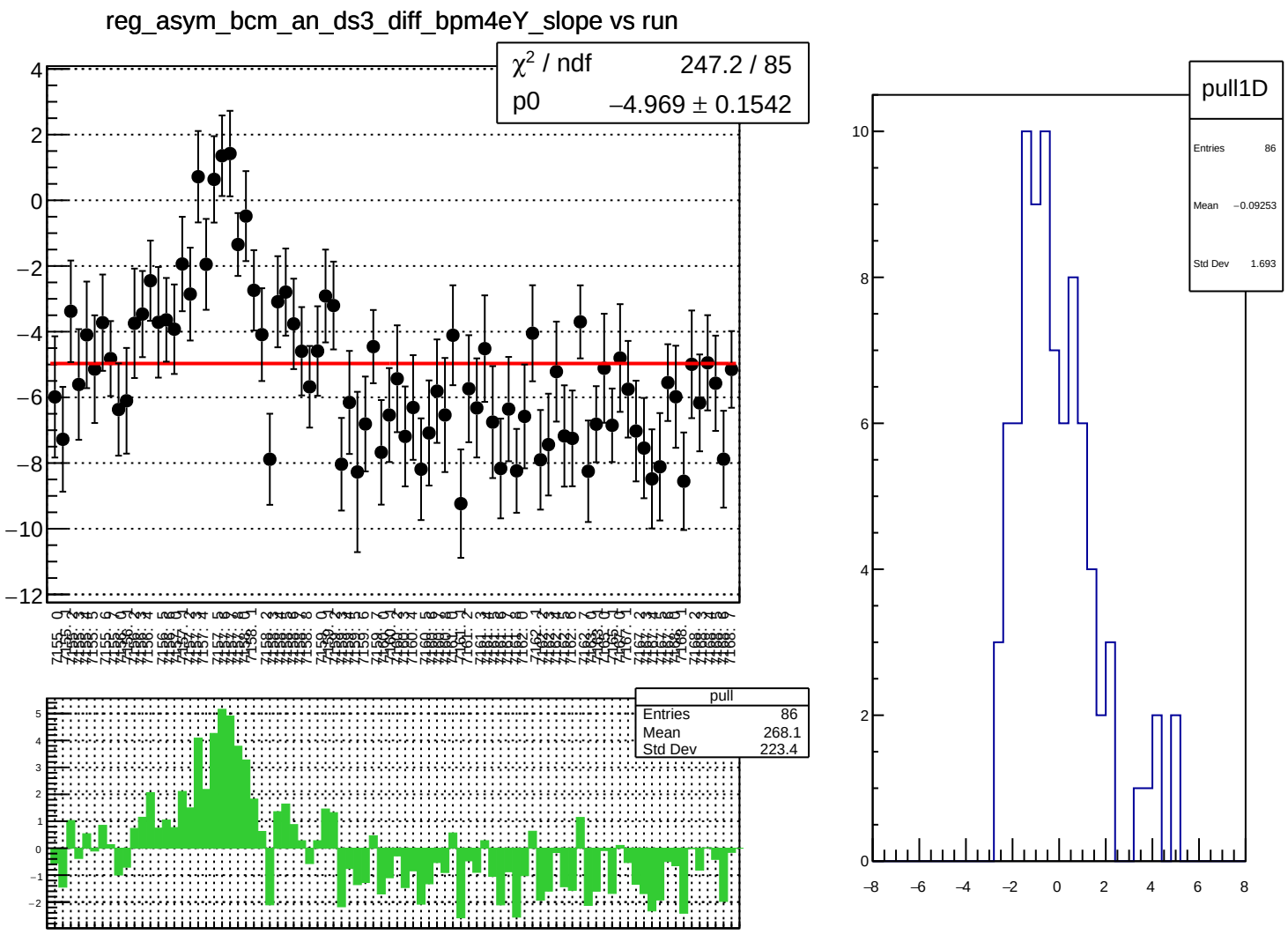

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 82.88 / 85
p0 −6.089 ± 0.04723
pull
Entries 86
Mean −1930
Std Dev 1982
pull1D
Entries 86
Mean −0.001725
Std Dev 0.9817

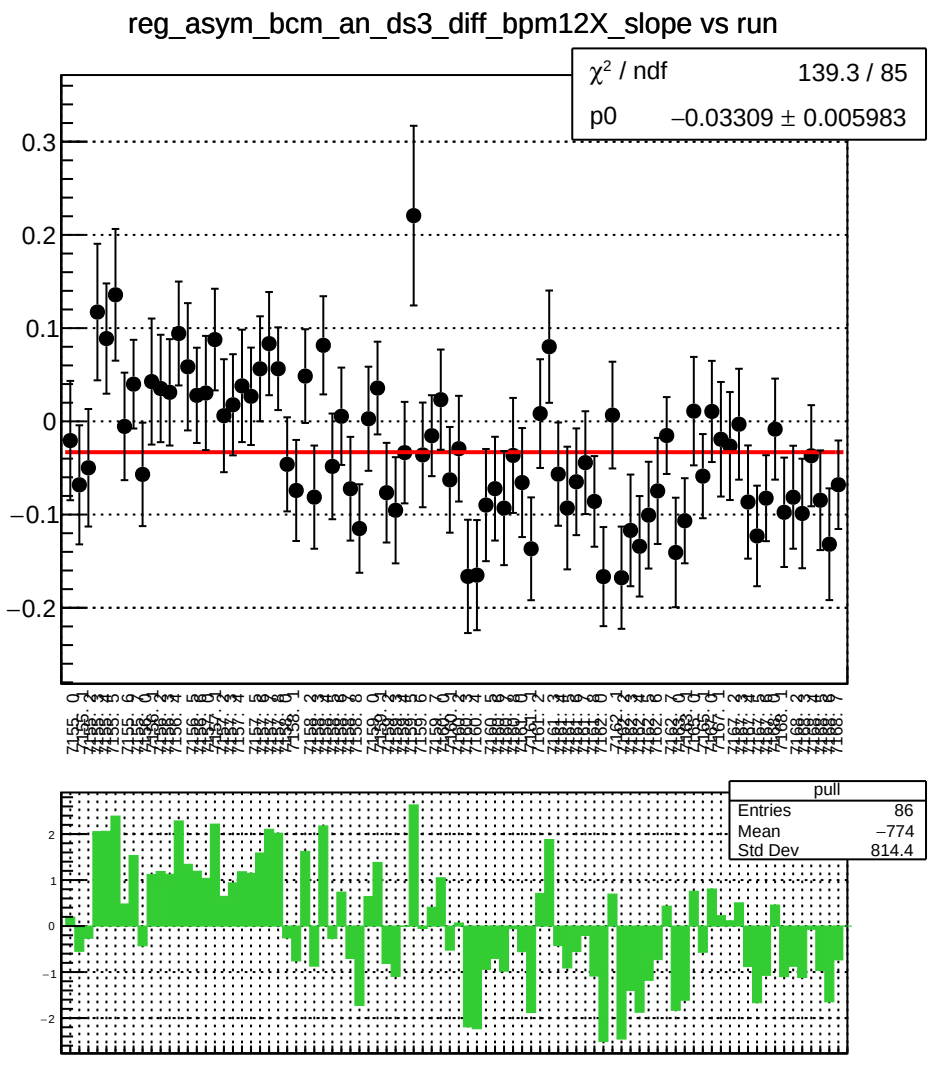

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 839.6 / 85
p0 −17.55 ± 0.1563
pull
Entries 86
Mean 73.44
Std Dev 16.92

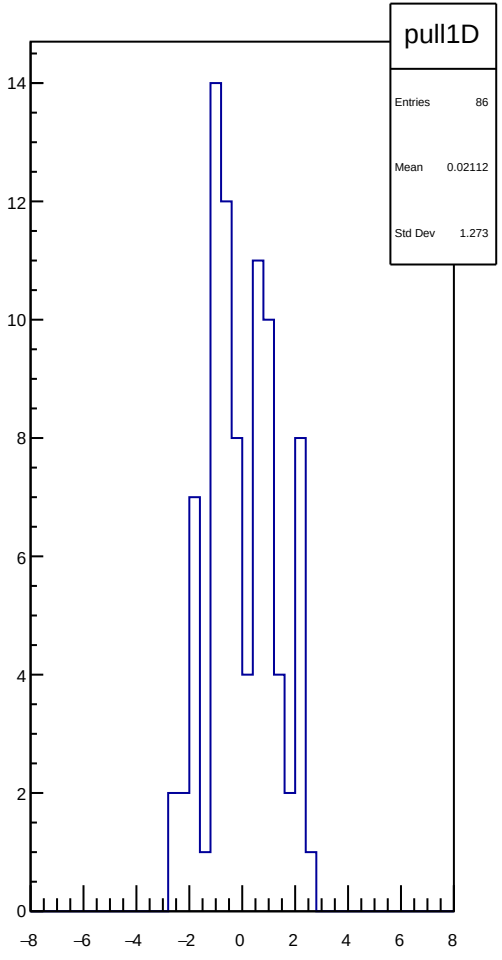

pull1D
Entries 86
Mean −0.3027
Std Dev 2.59

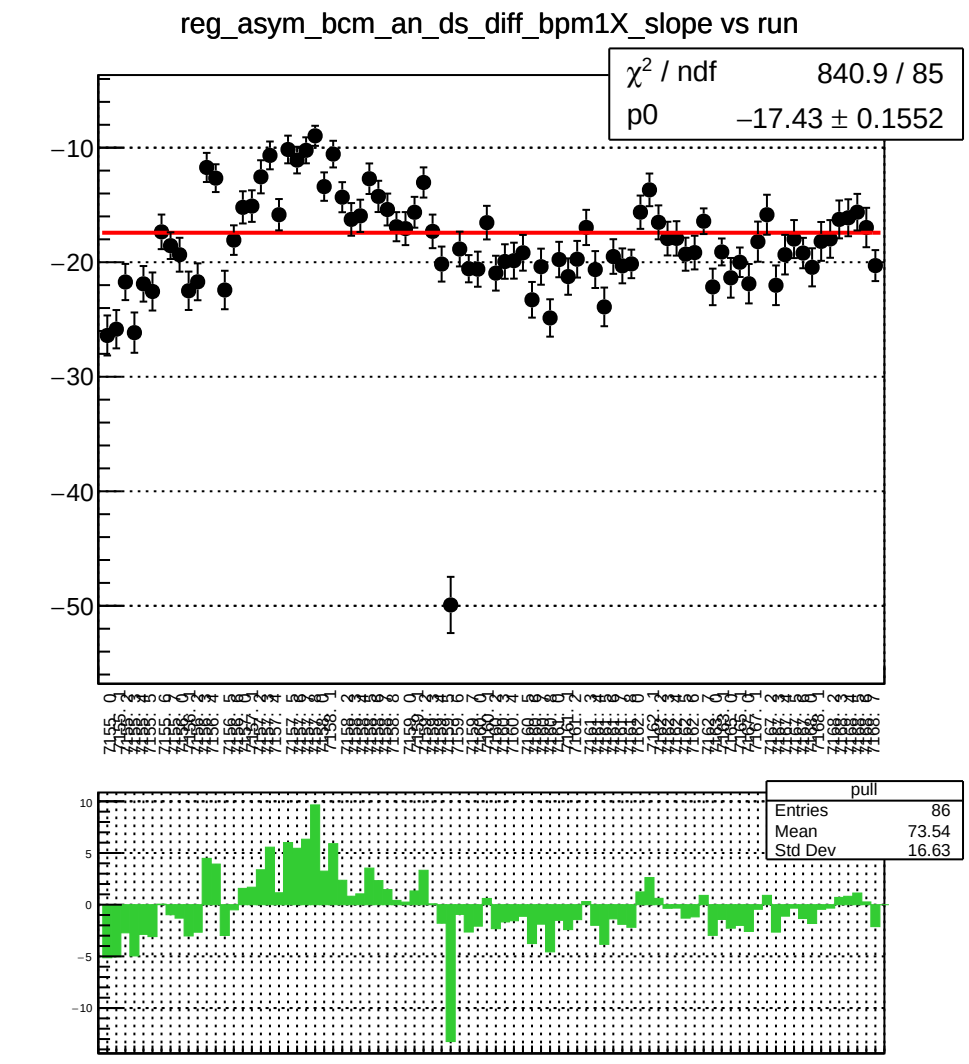

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 226.2 / 85
p0 3.325 ± 0.1329
pull
Entries 86
Mean 416.6
Std Dev 372.5
pull1D
Entries 86
Mean 0.05596
Std Dev 1.621

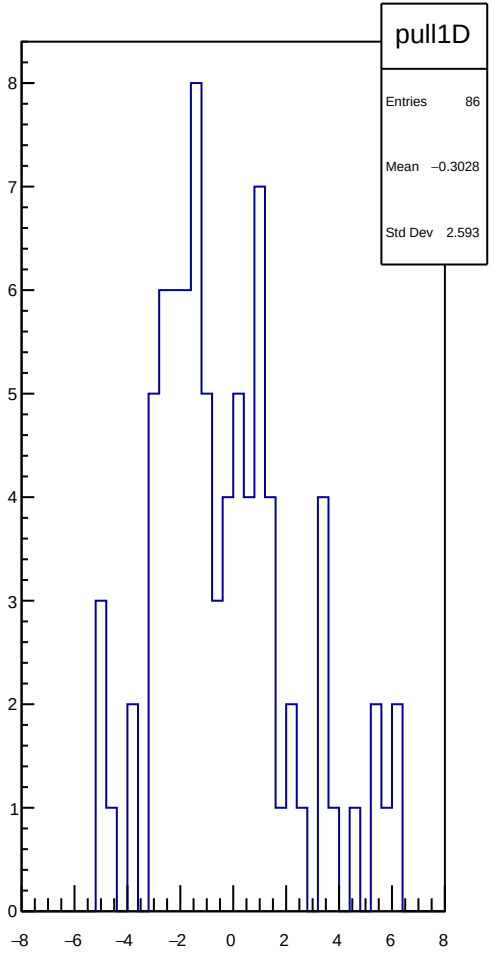

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 816.6 / 85
p0 17.38 ± 0.1583
pull
Entries 86
Mean 71.17
Std Dev 18.7
pull1D
Entries 86
Mean 0.2931
Std Dev 2.572

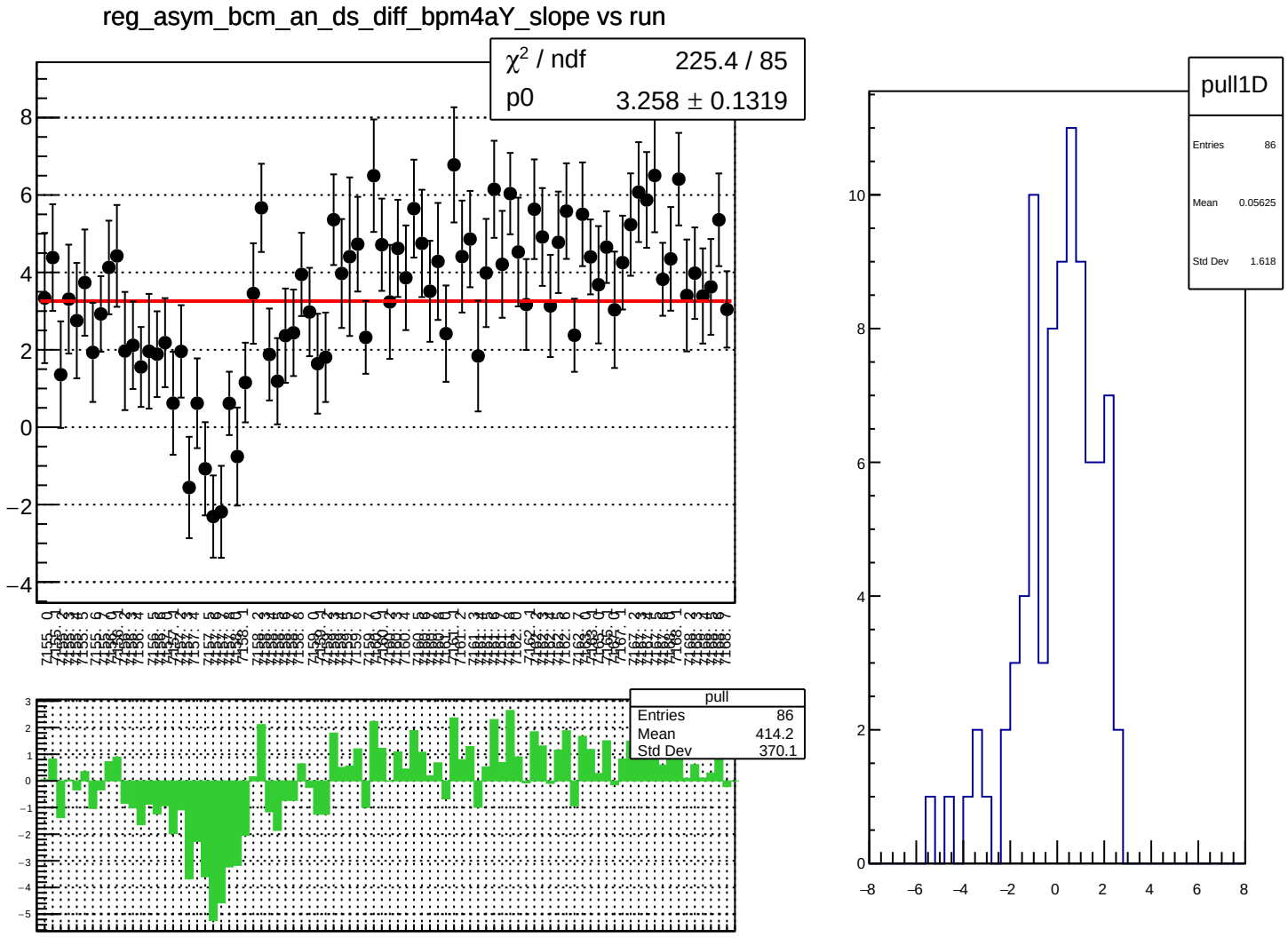

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 247.2 / 85
p0 −4.969 ± 0.1542
pull
Entries 86
Mean 268.1
Std Dev 223.4
pull1D
Entries 86
Mean −0.09253
Std Dev 1.693

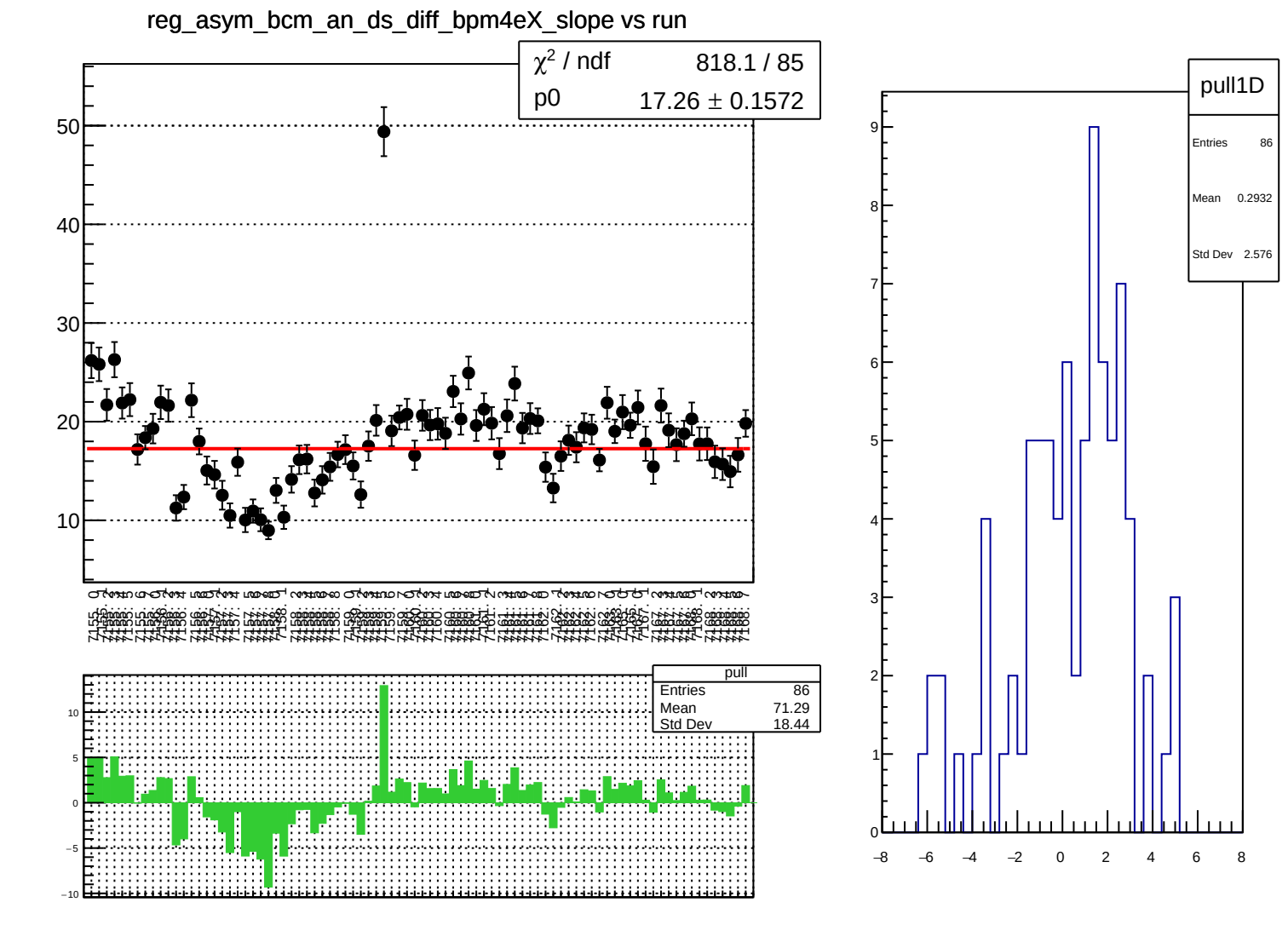

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 139.3 / 85
p0 −0.03309 ± 0.005983
pull
Entries 86
Mean −774
Std Dev 814.4

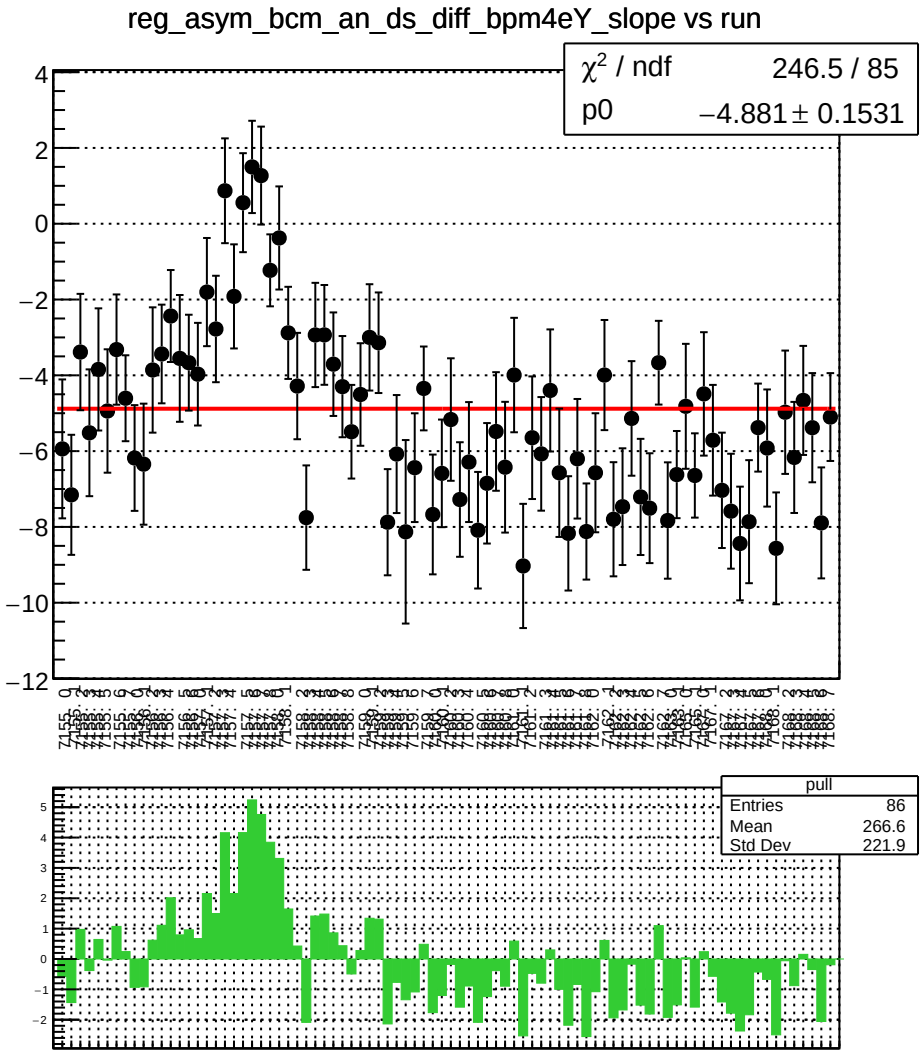

pull1D
Entries 86
Mean 0.02112
Std Dev 1.273

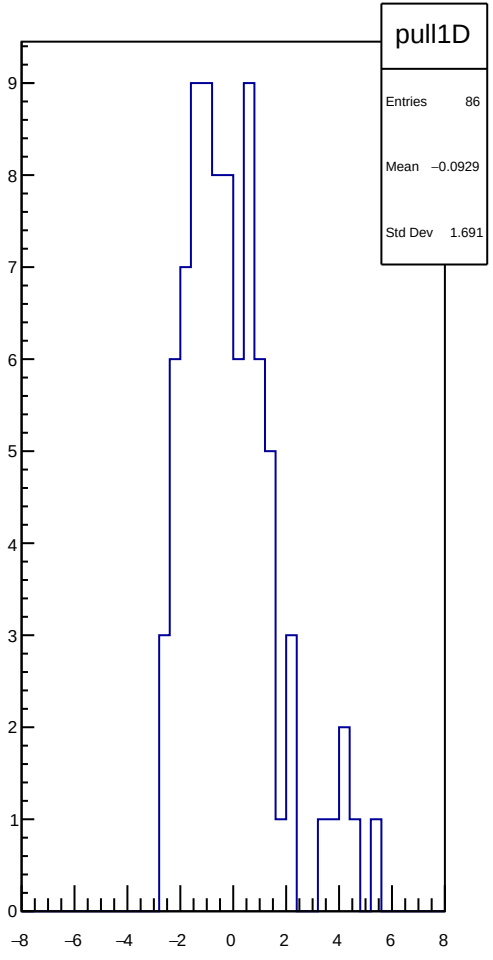

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 840.9 / 85
p0 −17.43 ± 0.1552
pull
Entries 86
Mean 73.54
Std Dev 16.63

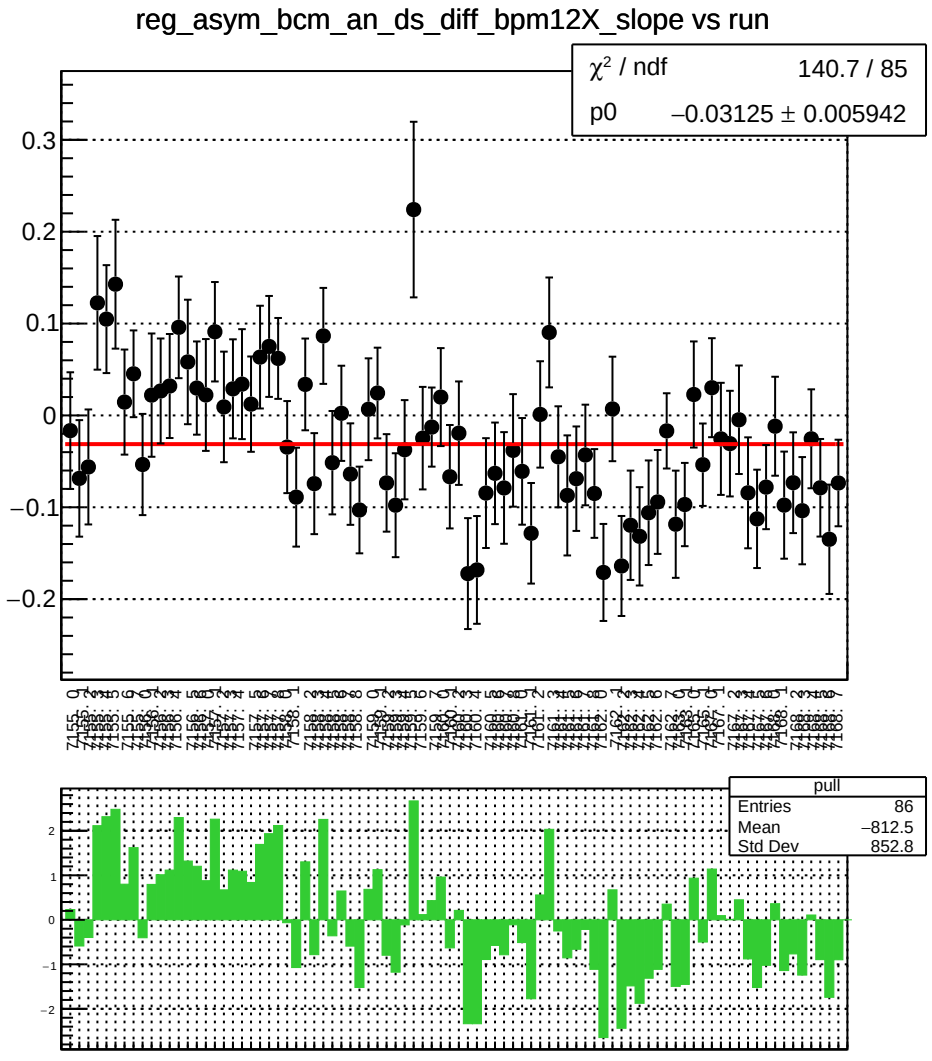

pull1D
Entries 86
Mean −0.3028
Std Dev 2.593

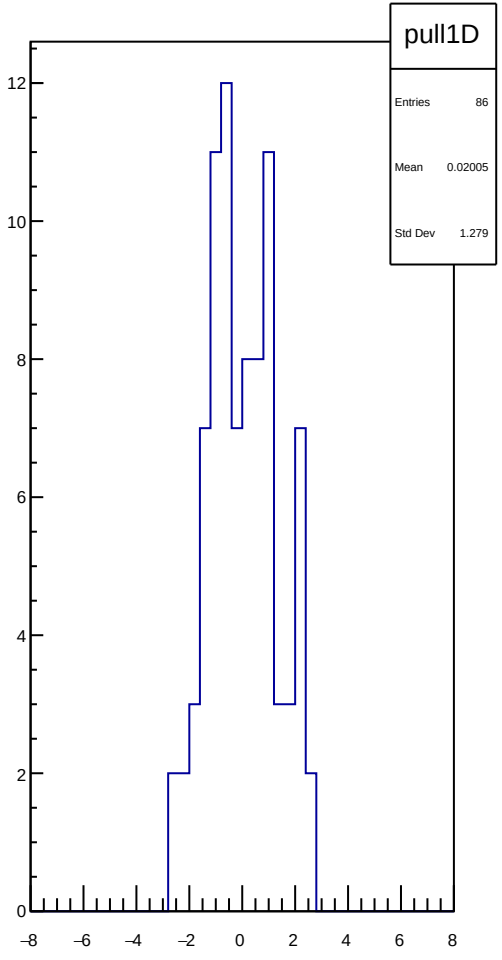

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 225.4 / 85
p0 3.258 ± 0.1319
pull
Entries 86
Mean 414.2
Std Dev 370.1
pull1D
Entries 86
Mean 0.05625
Std Dev 1.618

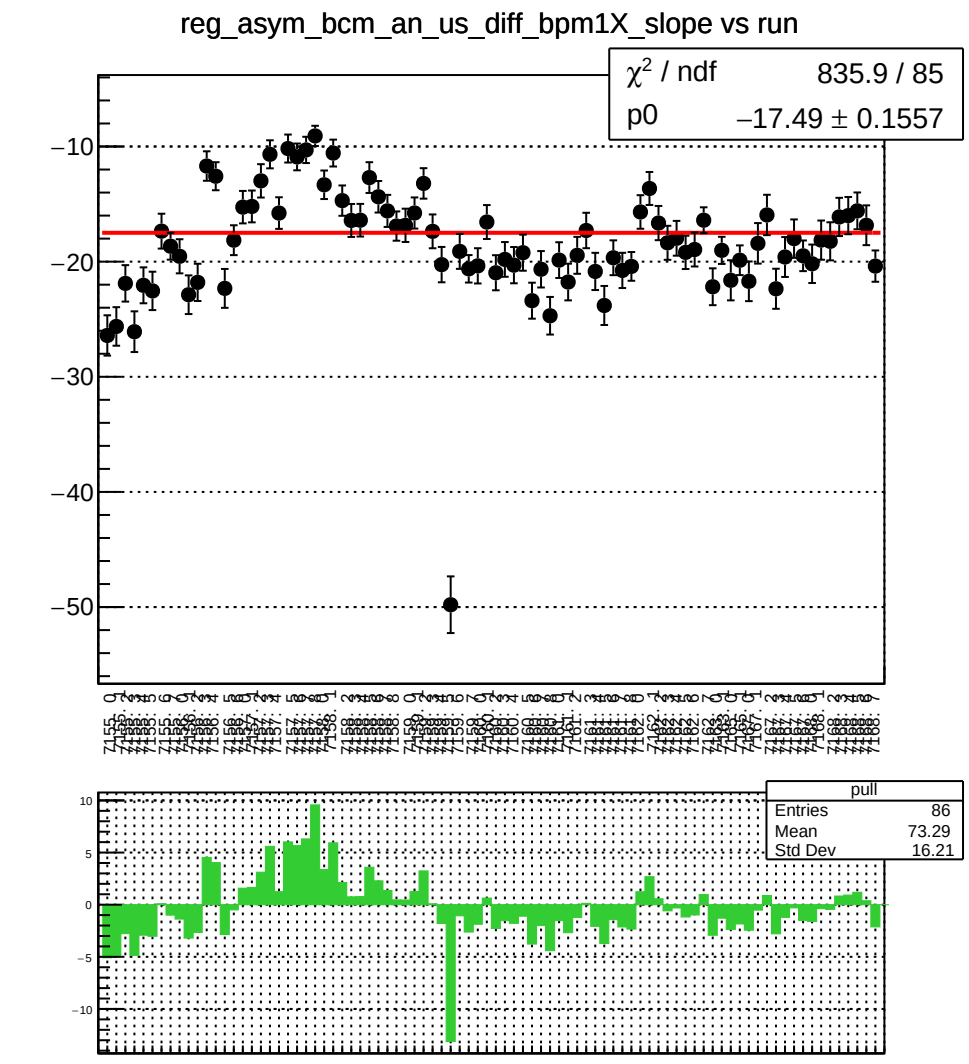

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 818.1 / 85
p0 17.26 ± 0.1572
pull
Entries 86
Mean 71.29
Std Dev 18.44
pull1D
Entries 86
Mean 0.2932
Std Dev 2.576

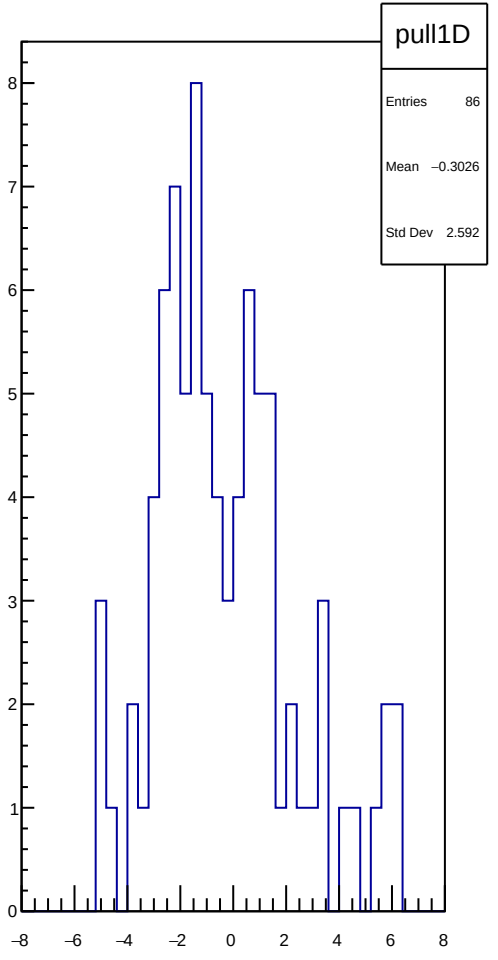

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 246.5 / 85
p0 −4.881 ± 0.1531
pull
Entries 86
Mean 266.6
Std Dev 221.9

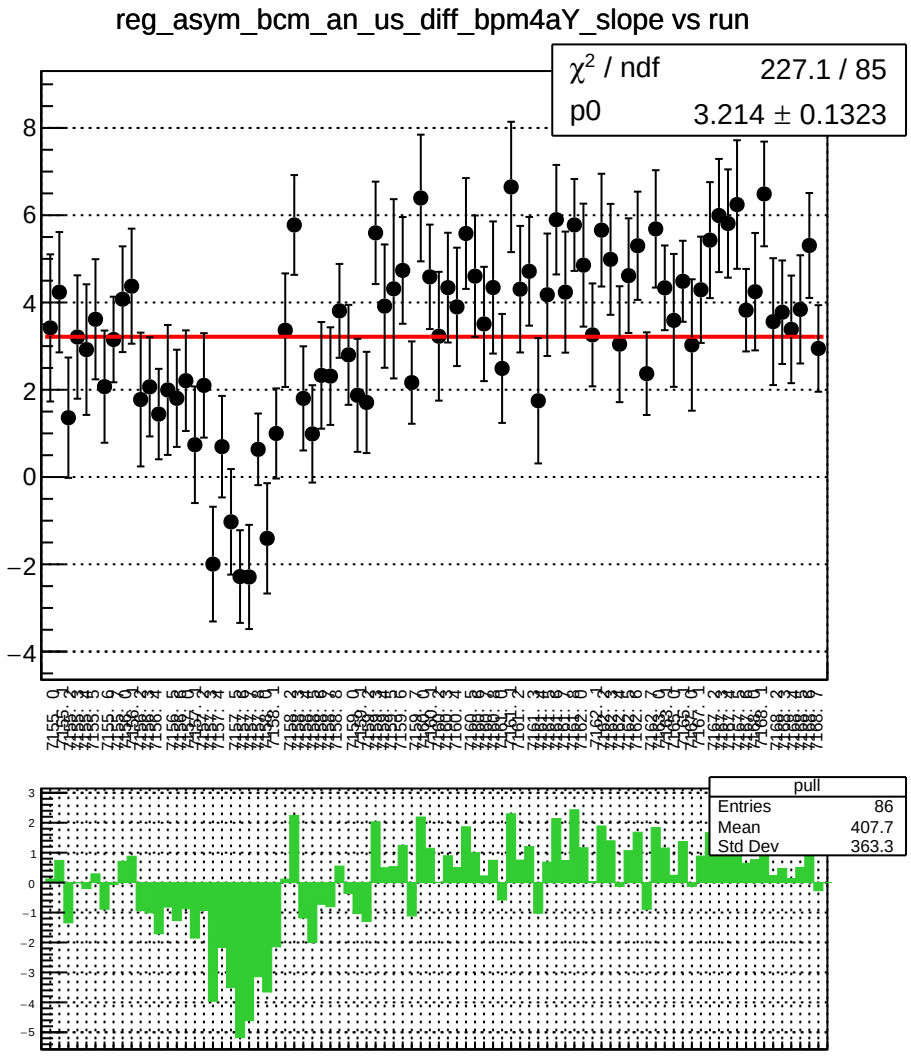

pull1D
Entries 86
Mean −0.0929
Std Dev 1.691

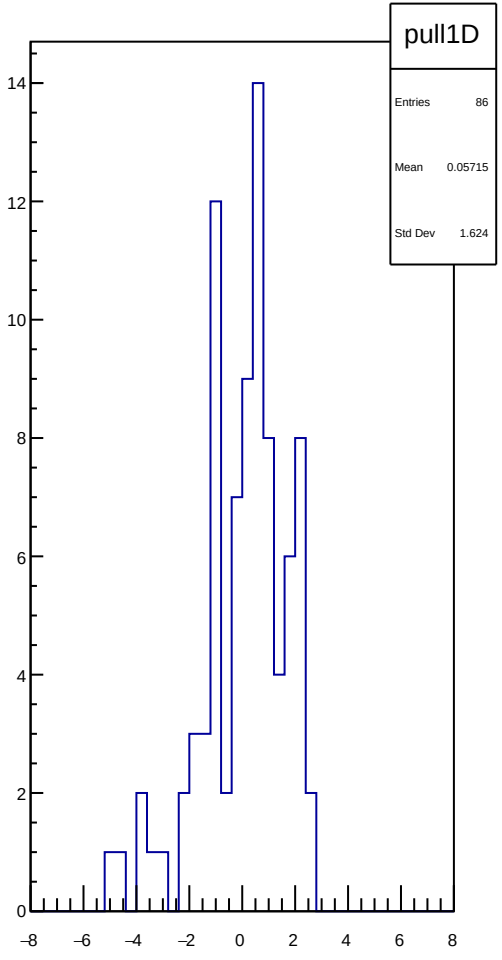

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 140.7 / 85
p0 −0.03125 ± 0.005942
pull
Entries 86
Mean −812.5
Std Dev 852.8

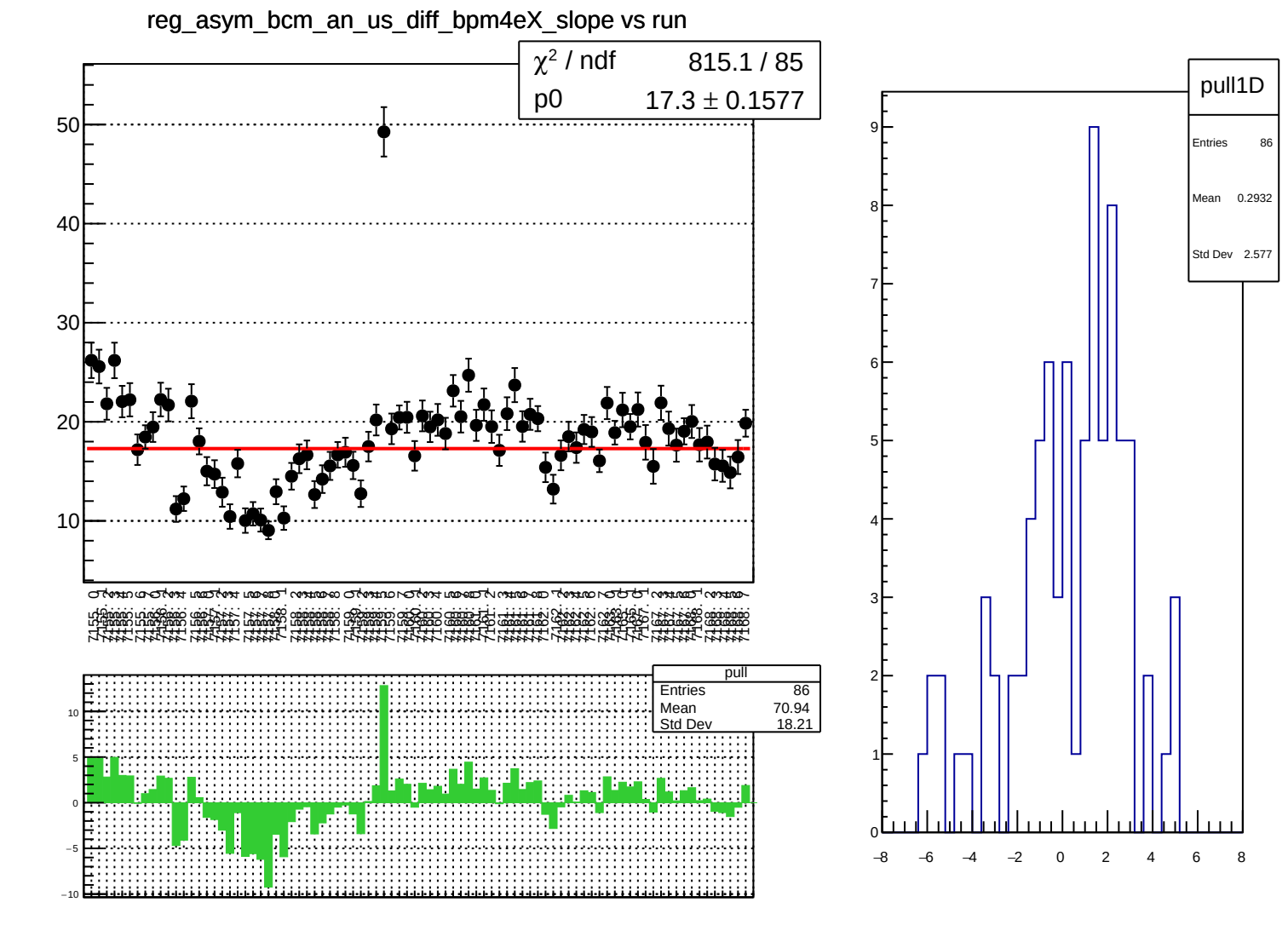

pull1D
Entries 86
Mean 0.02005
Std Dev 1.279

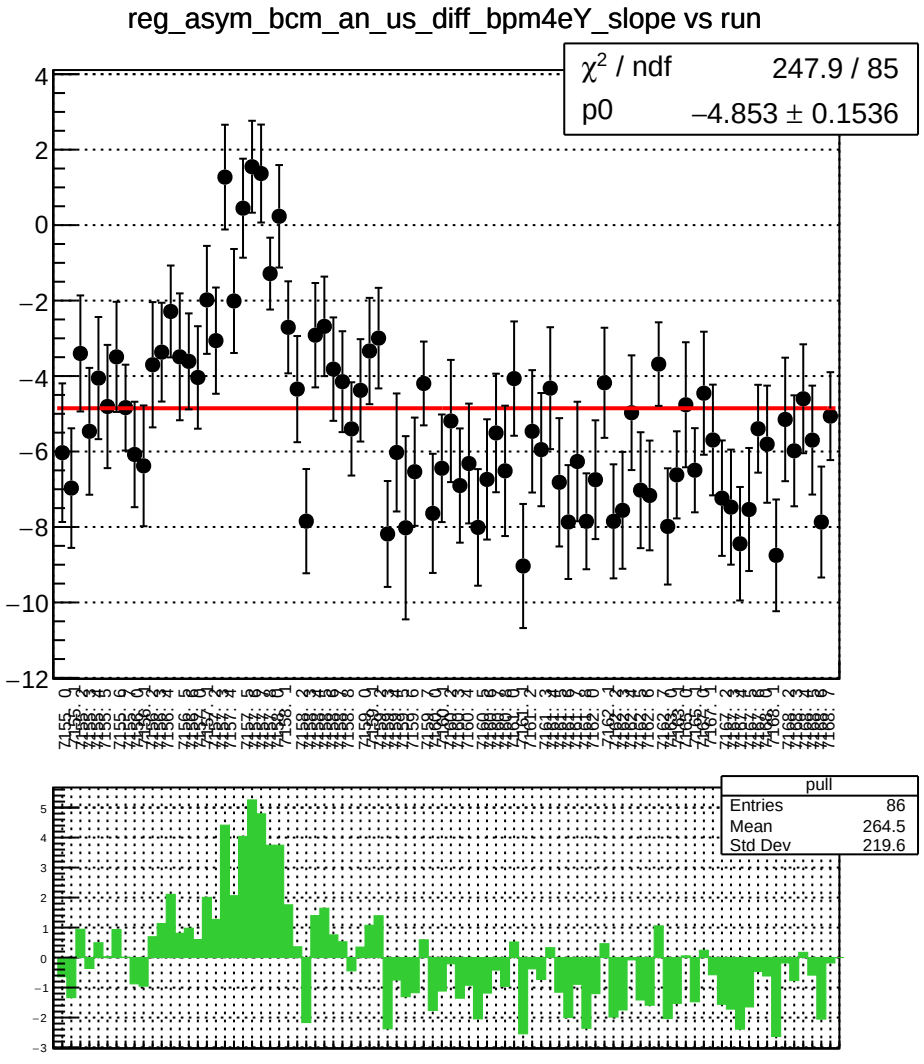

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 835.9 / 85
p0 −17.49 ± 0.1557
pull
Entries 86
Mean 73.29
Std Dev 16.21

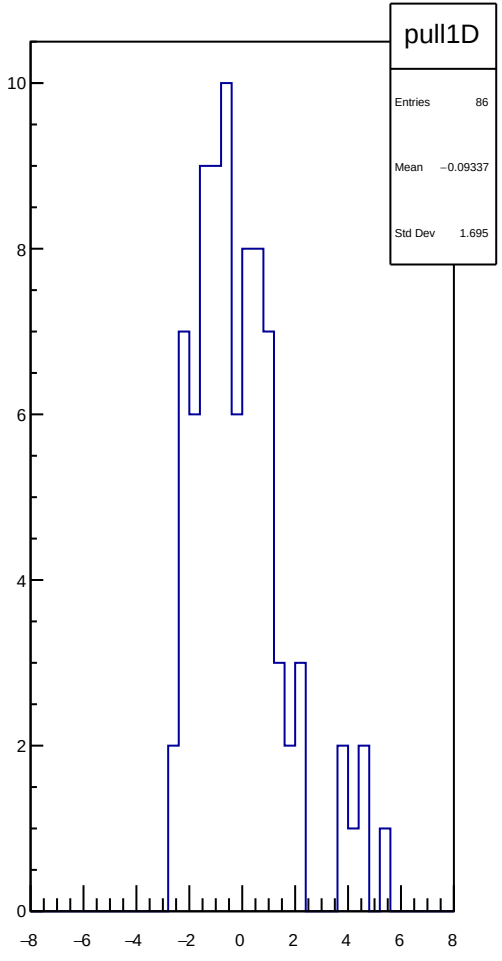

pull1D
Entries 86
Mean −0.3026
Std Dev 2.592

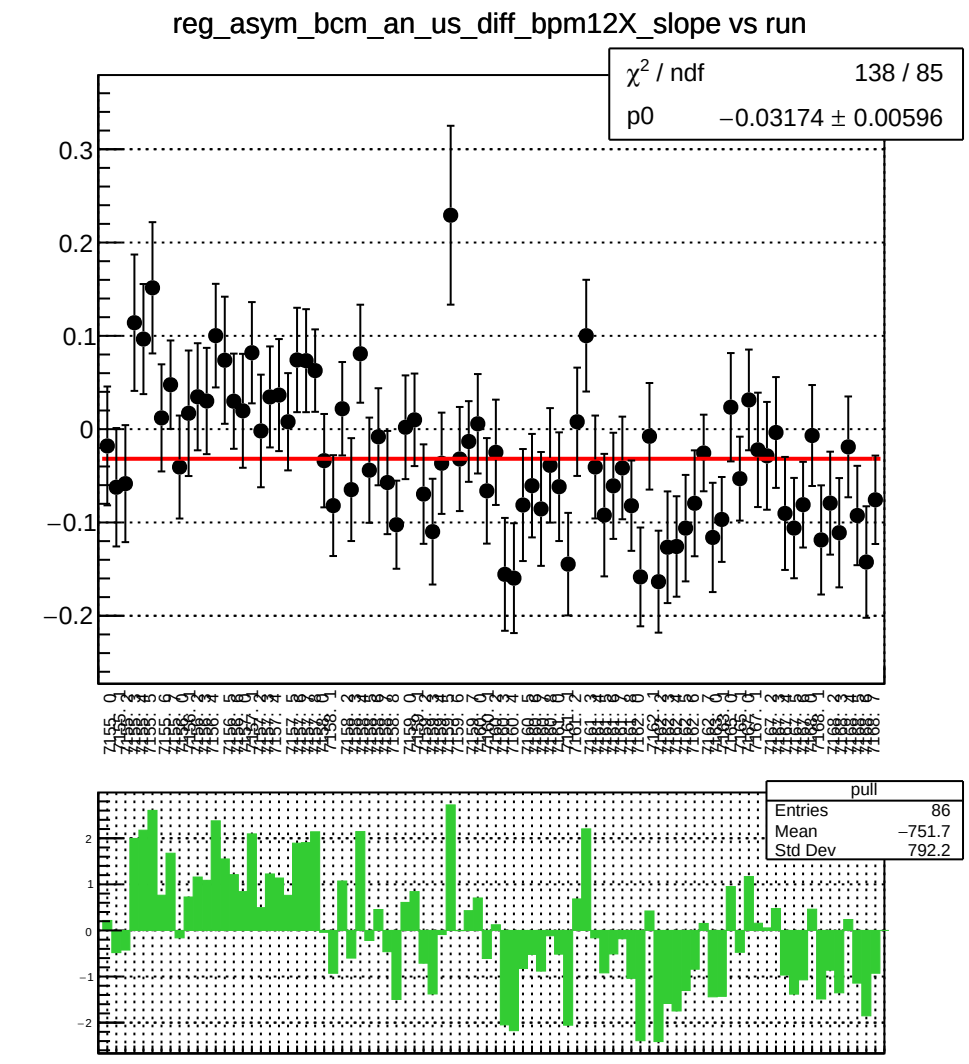

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 227.1 / 85
p0 3.214 ± 0.1323
pull
Entries 86
Mean 407.7
Std Dev 363.3

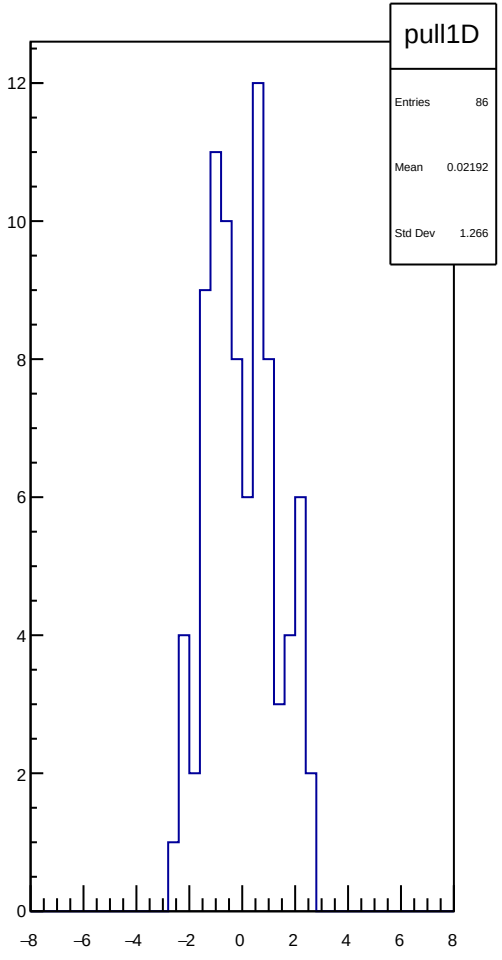

pull1D
Entries 86
Mean 0.05715
Std Dev 1.624

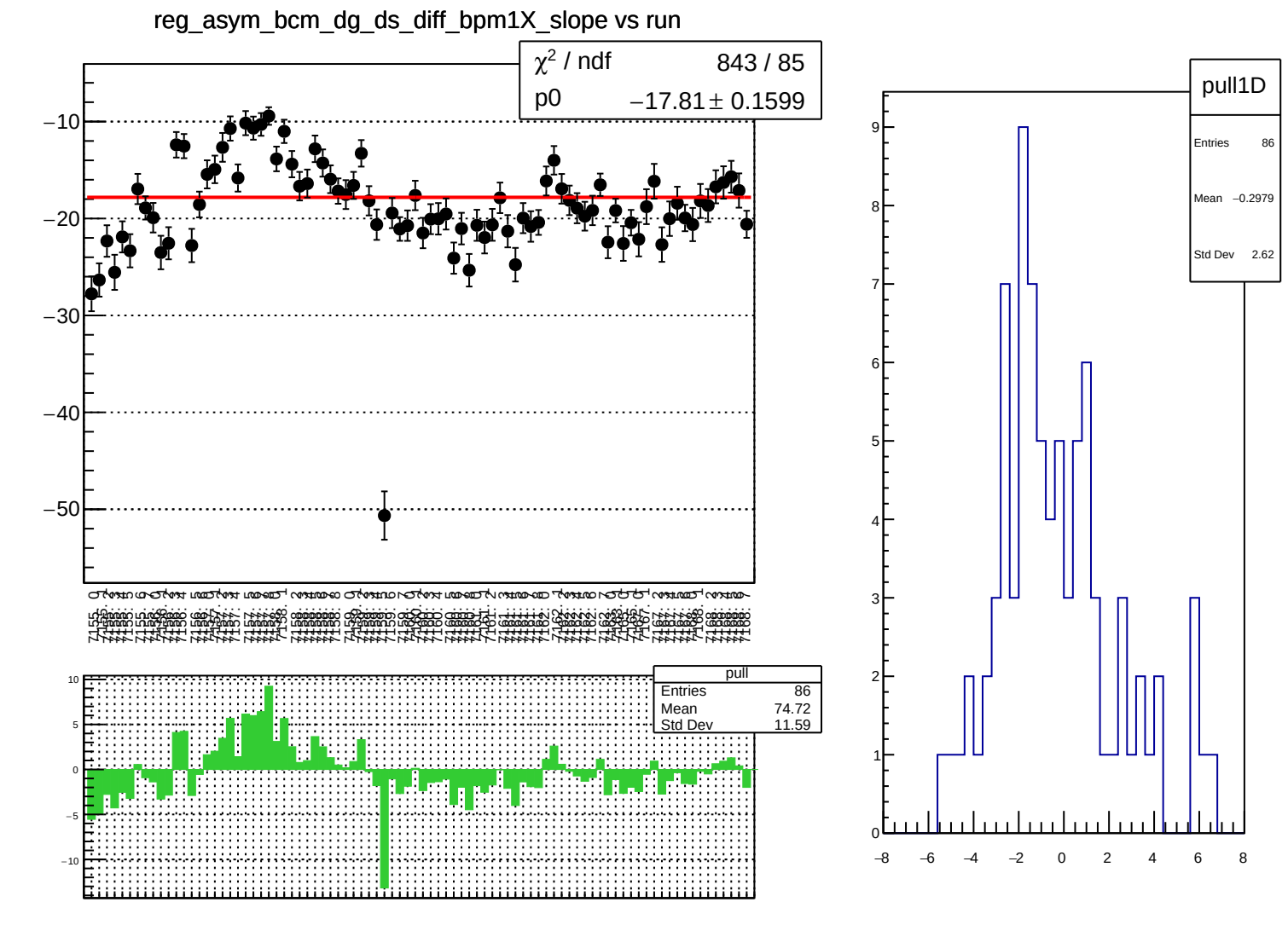

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 815.1 / 85
p0 17.3 ± 0.1577
pull
Entries 86
Mean 70.94
Std Dev 18.21
pull1D
Entries 86
Mean 0.2932
Std Dev 2.577

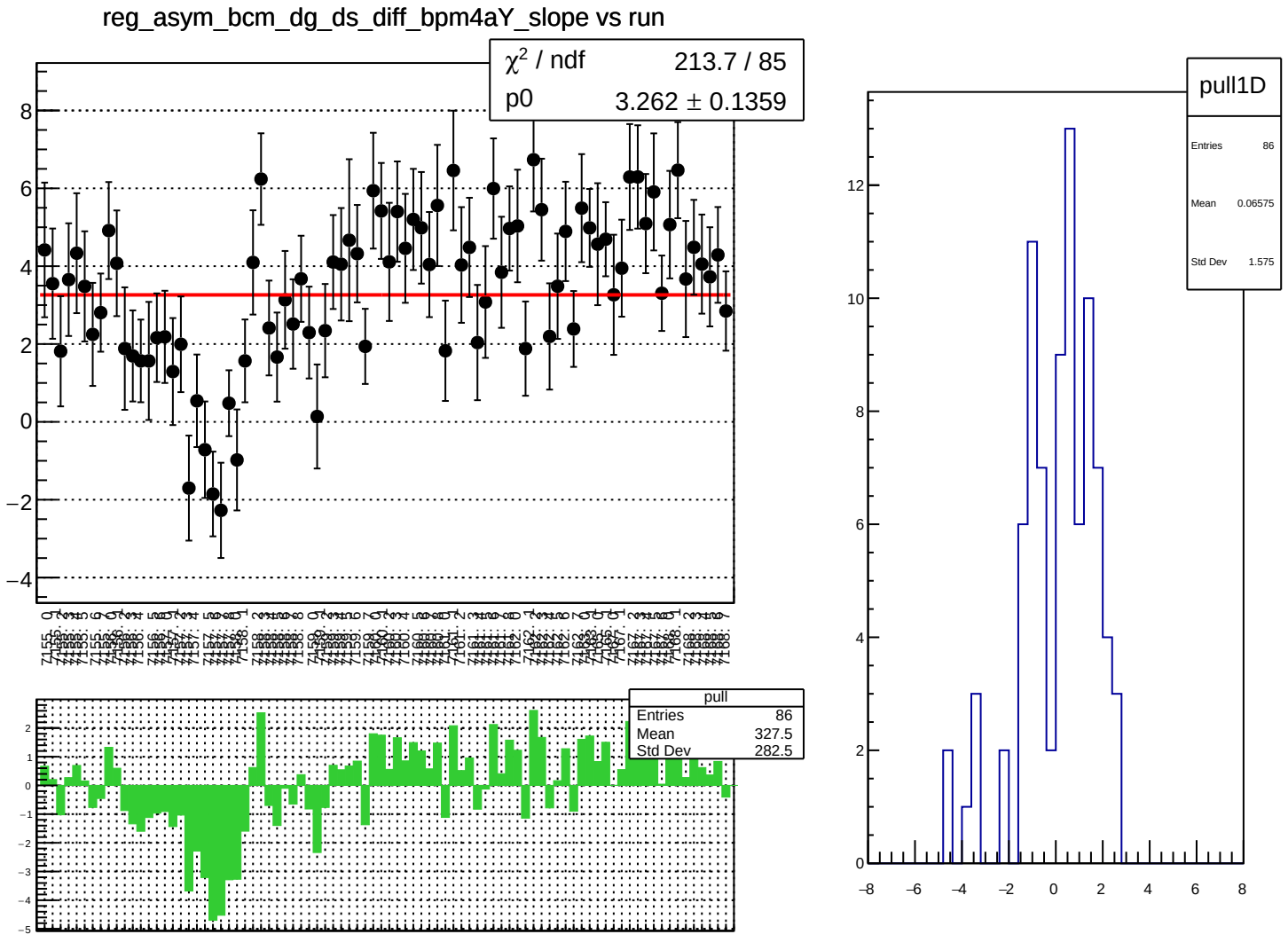

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 247.9 / 85
p0 −4.853 ± 0.1536
pull
Entries 86
Mean 264.5
Std Dev 219.6

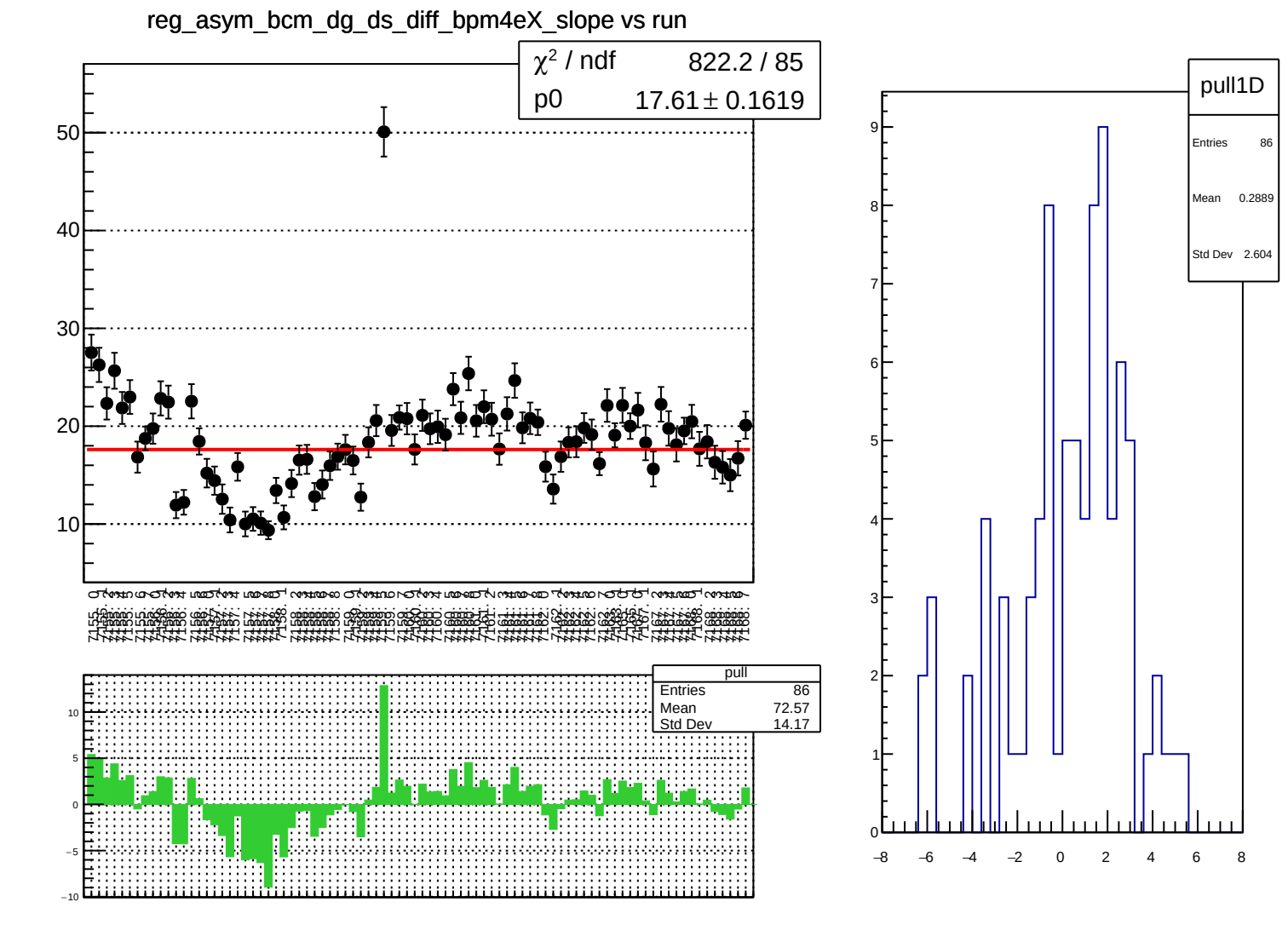

pull1D
Entries 86
Mean −0.09337
Std Dev 1.695

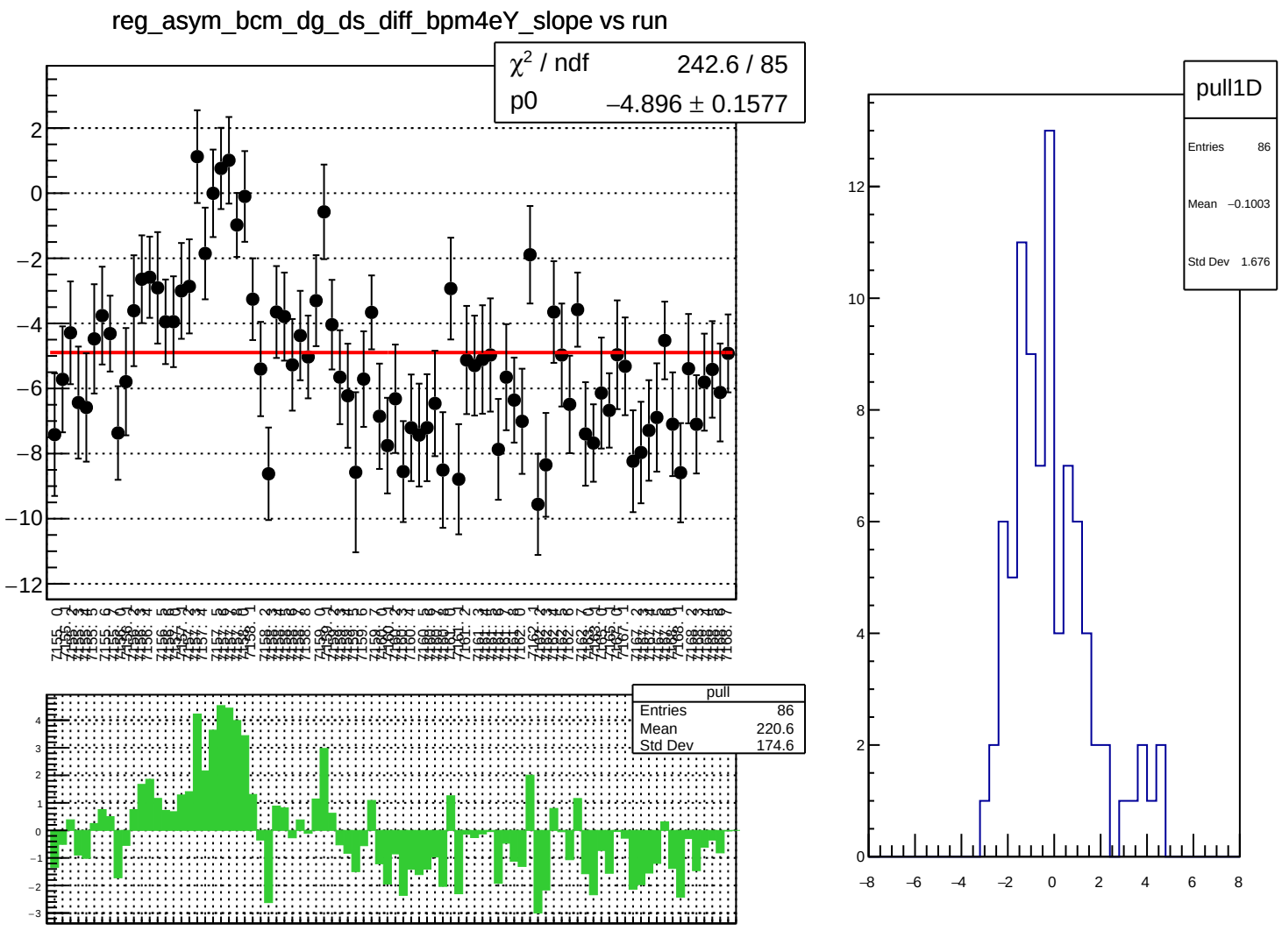

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 138 / 85
p0 −0.03174 ± 0.00596
pull
Entries 86
Mean −751.7
Std Dev 792.2

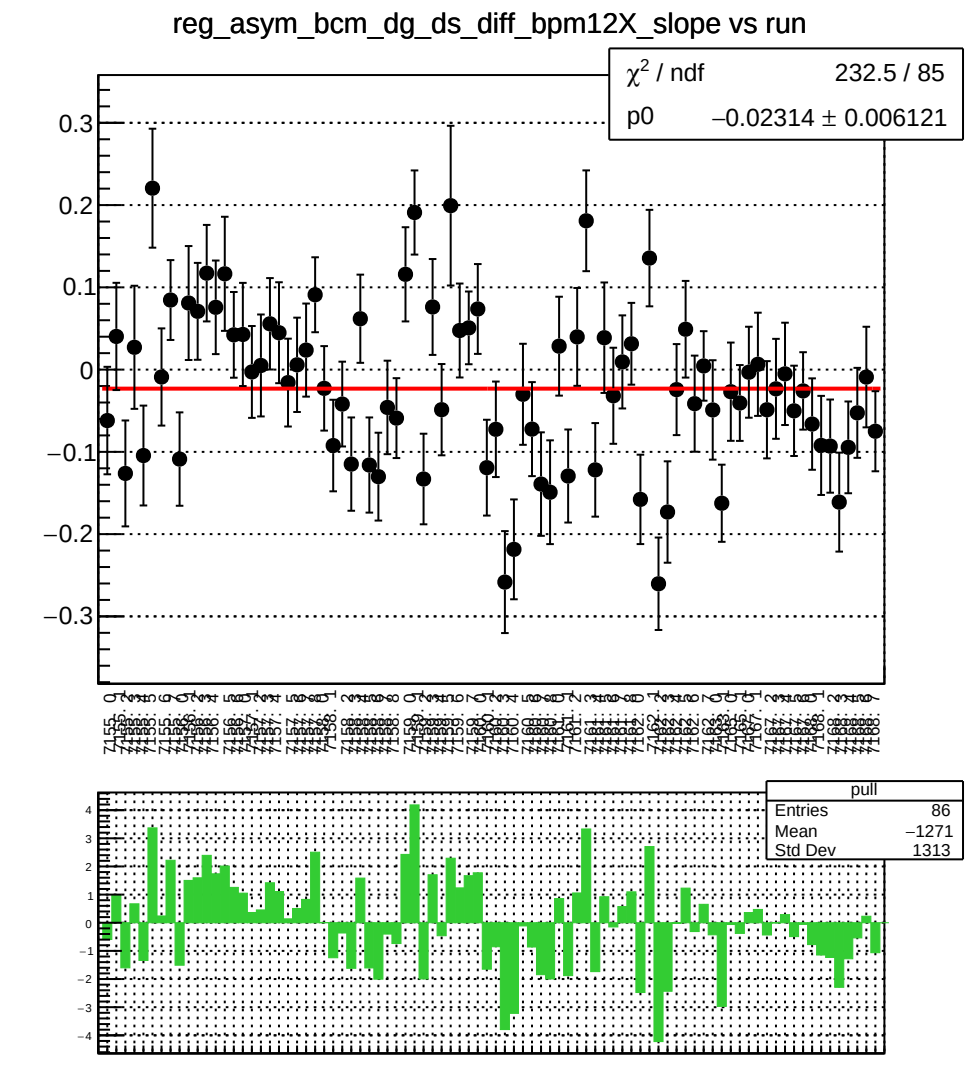

pull1D
Entries 86
Mean 0.02192
Std Dev 1.266

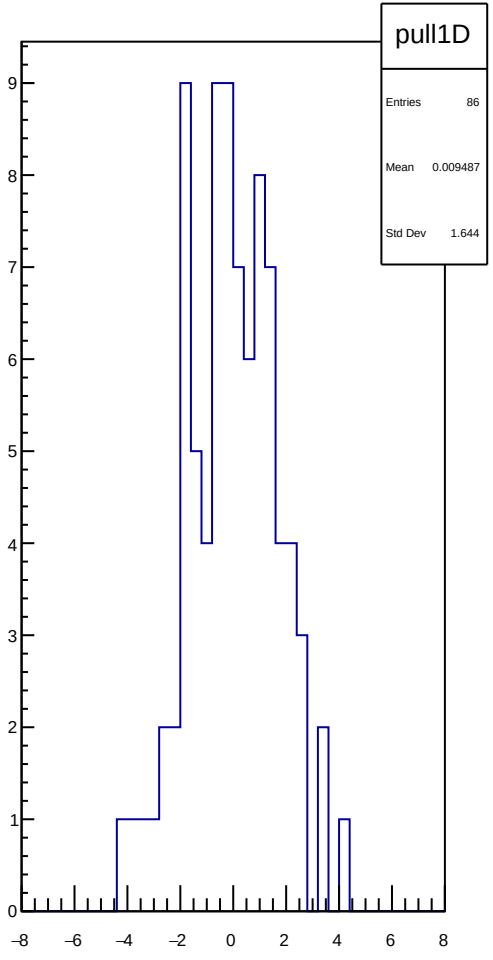

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 843 / 85
p0 −17.81 ± 0.1599
−10
−20
−30
−40
−50
pull
Entries 86
Mean 74.72
Std Dev 11.59
10
5
0
−5
−10
pull1D
Entries 86
Mean −0.2979
Std Dev 2.62
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

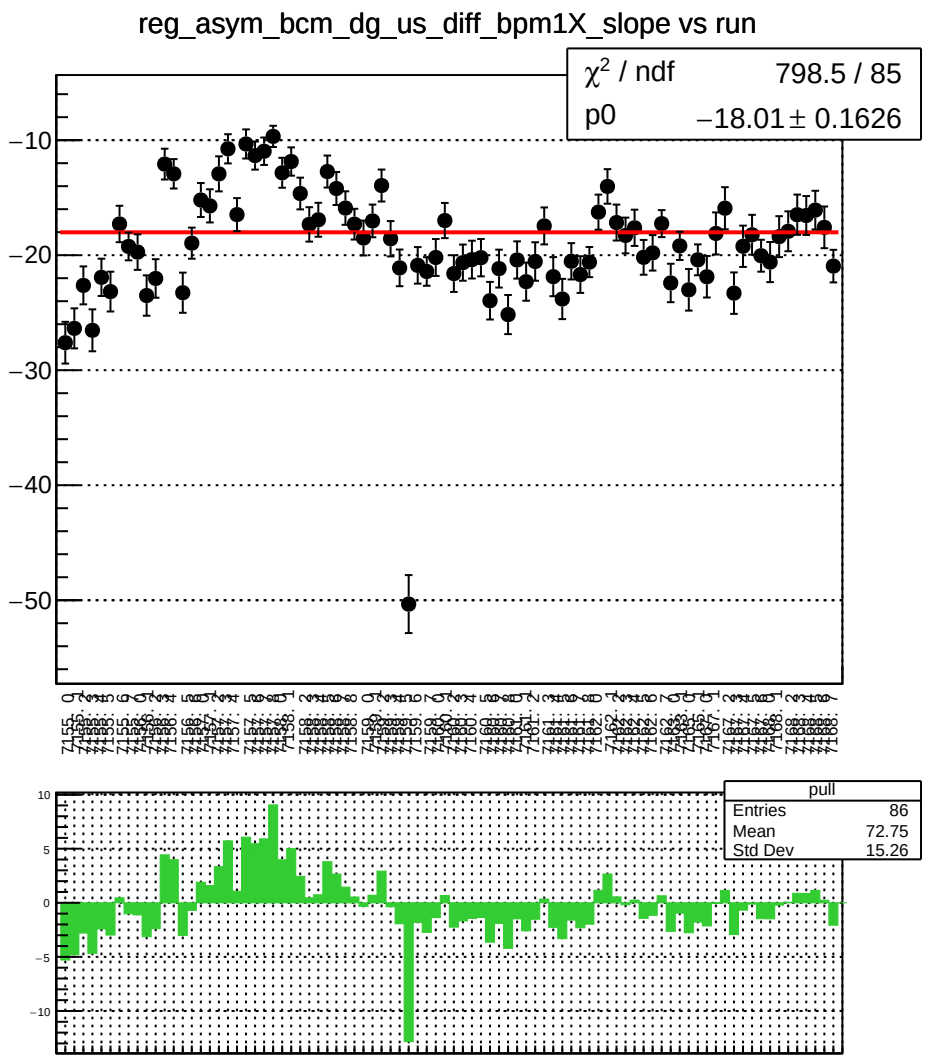

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 213.7 / 85
p0 3.262 ± 0.1359
pull
Entries 86
Mean 327.5
Std Dev 282.5
pull1D
Entries 86
Mean 0.06575
Std Dev 1.575

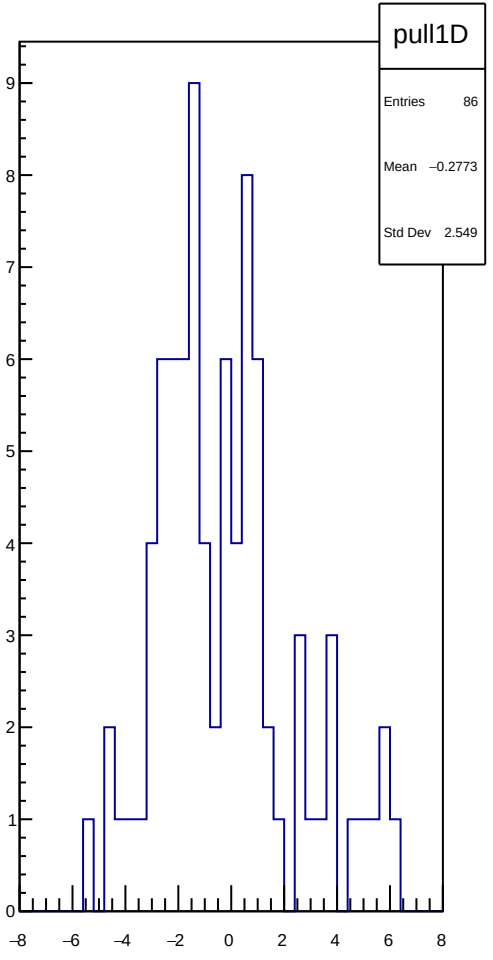

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 822.2 / 85
p0 17.61 ± 0.1619
pull
Entries 86
Mean 72.57
Std Dev 14.17
pull1D
Entries 86
Mean 0.2889
Std Dev 2.604

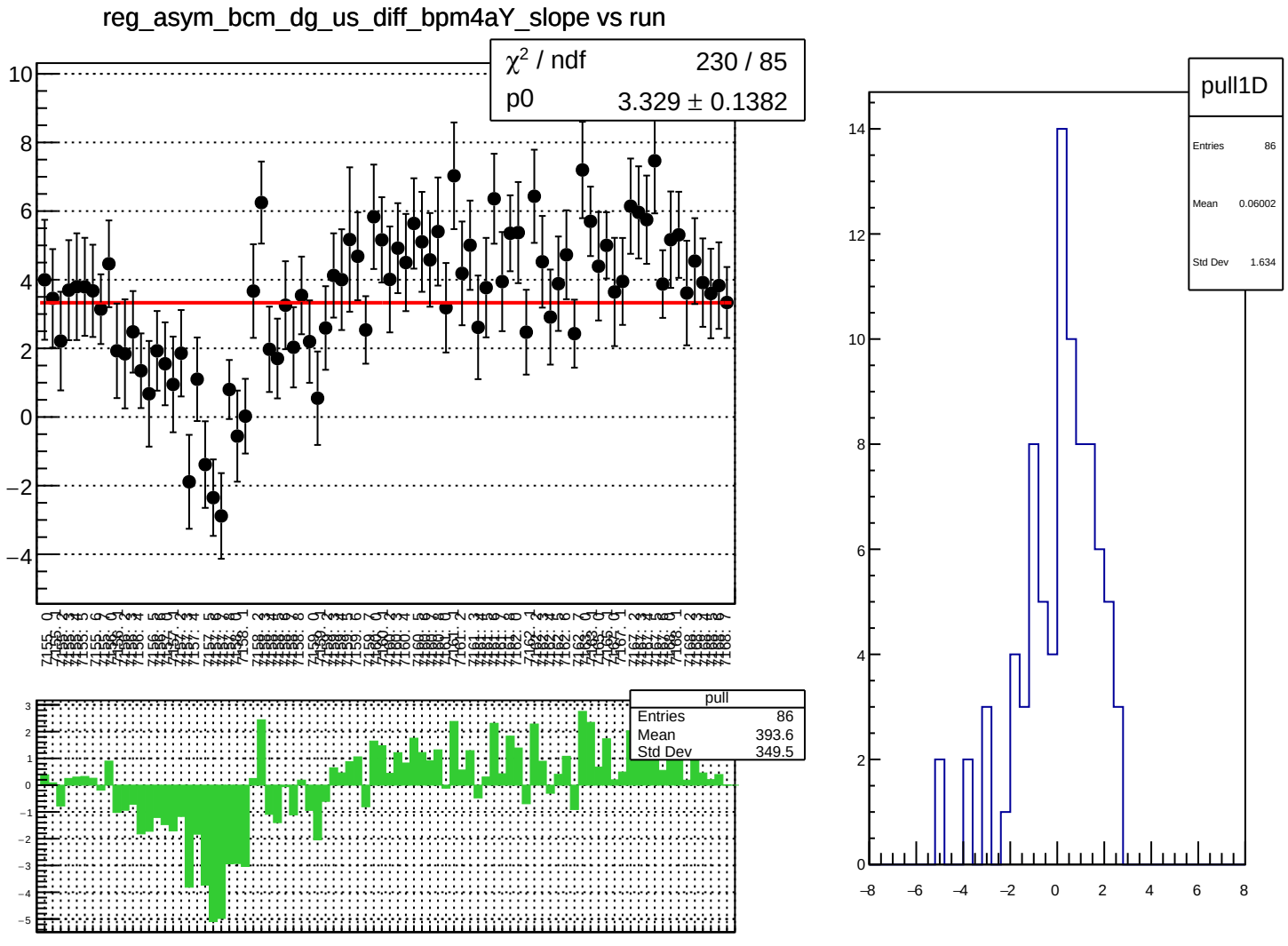

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 242.6 / 85
p0 −4.896 ± 0.1577
pull
Entries 86
Mean 220.6
Std Dev 174.6
pull1D
Entries 86
Mean −0.1003
Std Dev 1.676

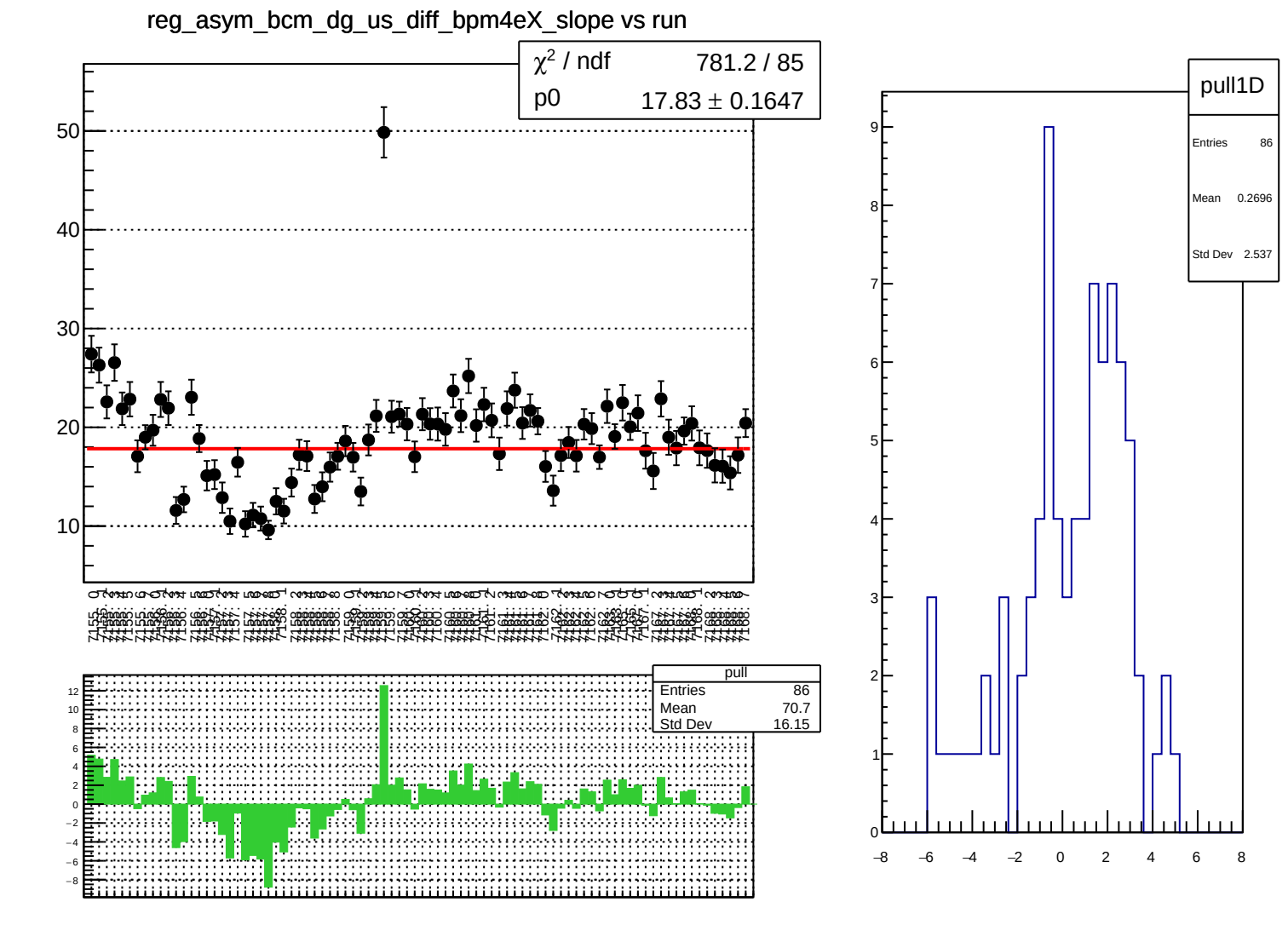

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 232.5 / 85
p0 −0.02314 ± 0.006121
pull
Entries 86
Mean −1271
Std Dev 1313

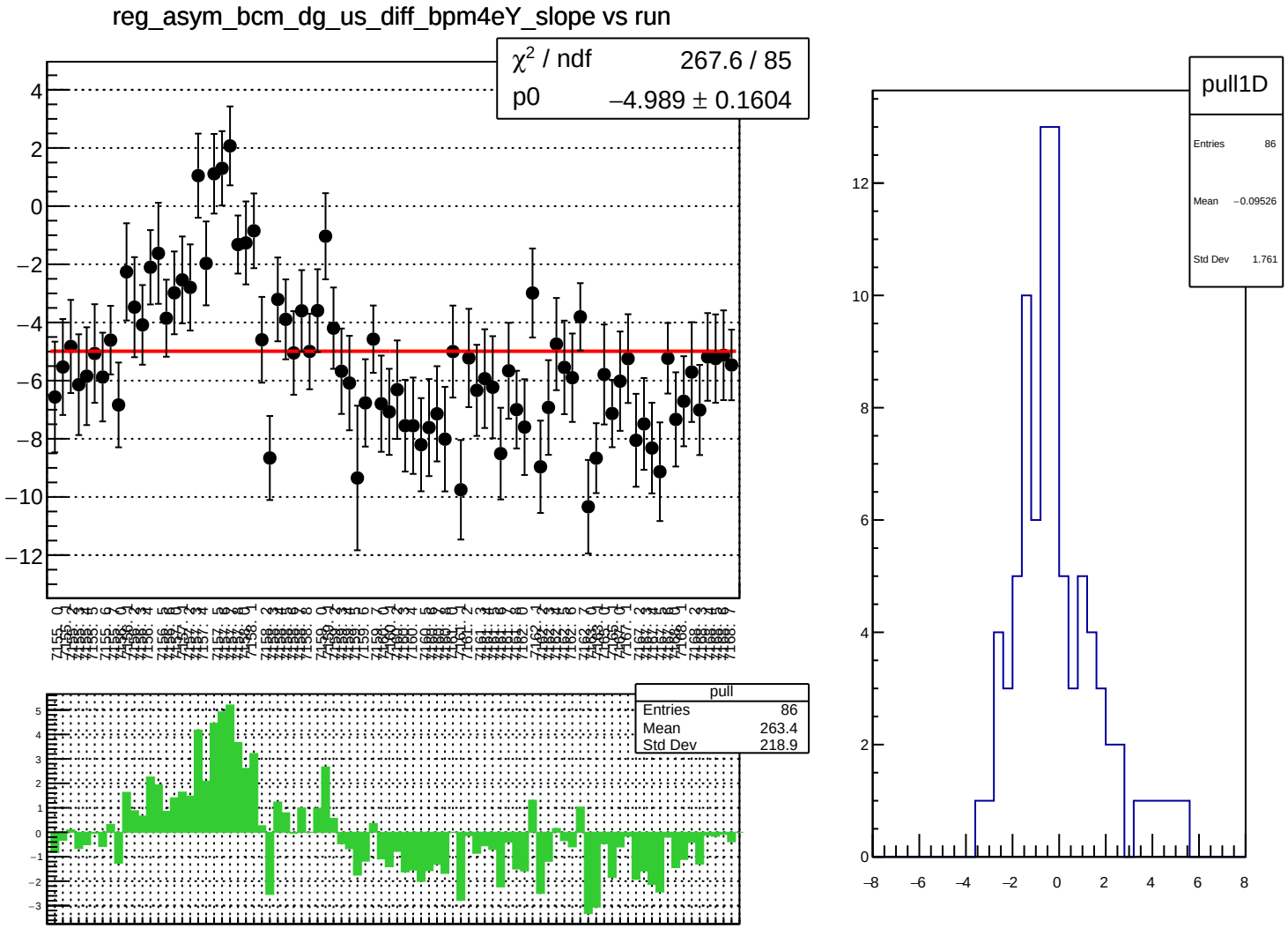

pull1D
Entries 86
Mean 0.009487
Std Dev 1.644

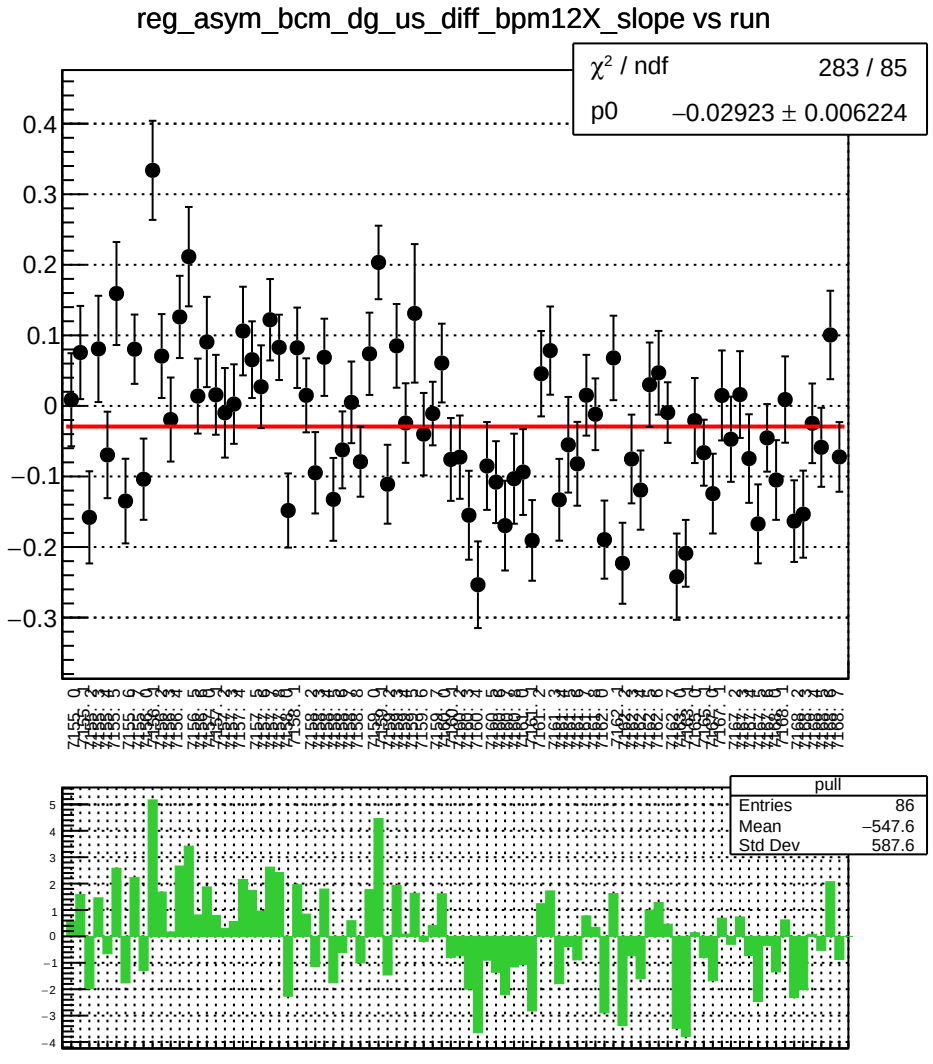

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 798.5 / 85
p0 −18.01 ± 0.1626
pull
Entries 86
Mean 72.75
Std Dev 15.26

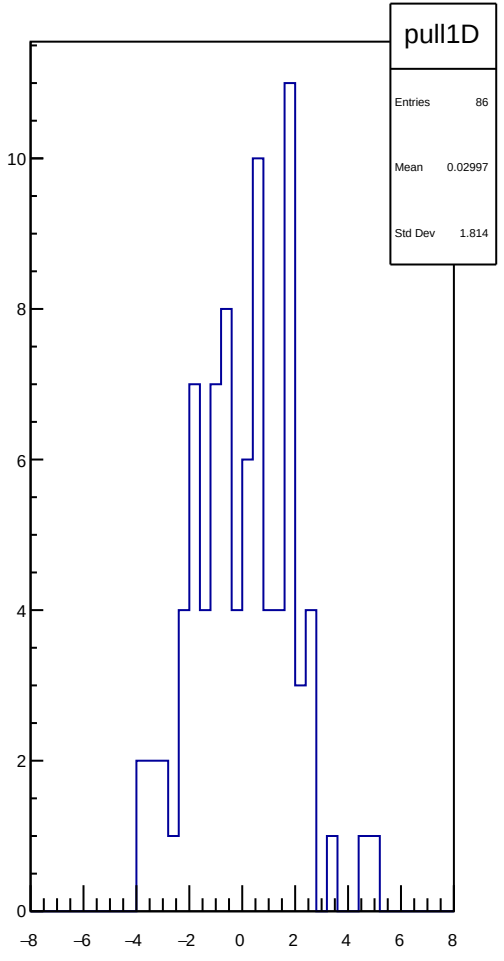

pull1D
Entries 86
Mean −0.2773
Std Dev 2.549


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 230 / 85
p0 3.329 ± 0.1382
pull
Entries 86
Mean 393.6
Std Dev 349.5
pull1D
Entries 86
Mean 0.06002
Std Dev 1.634


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 781.2 / 85
p0 17.83 ± 0.1647
pull
Entries 86
Mean 70.7
Std Dev 16.15
pull1D
Entries 86
Mean 0.2696
Std Dev 2.537


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 267.6 / 85
p0 −4.989 ± 0.1604
pull
Entries 86
Mean 263.4
Std Dev 218.9
pull1D
Entries 86
Mean −0.09526
Std Dev 1.761


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 283 / 85
p0 −0.02923 ± 0.006224
pull
Entries 86
Mean −547.6
Std Dev 587.6


pull1D
Entries 86
Mean 0.02997
Std Dev 1.814