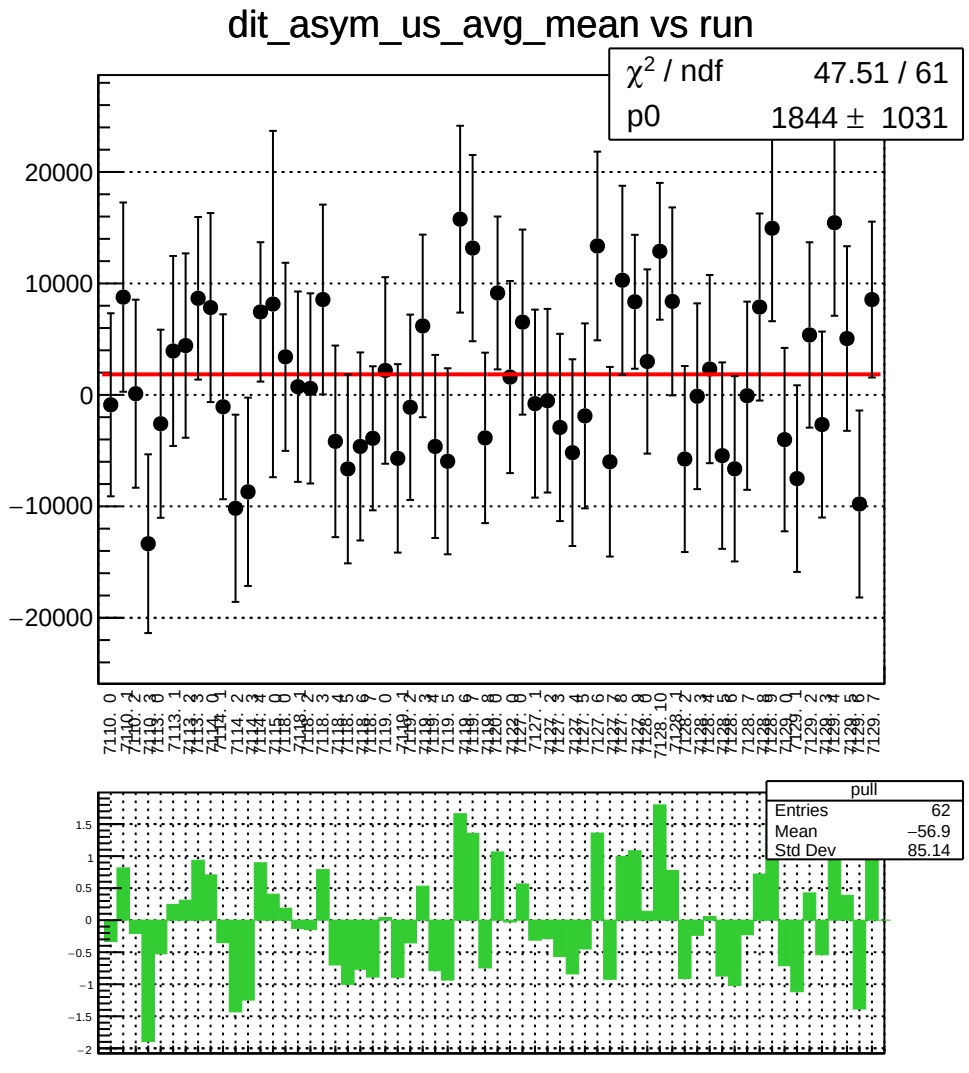
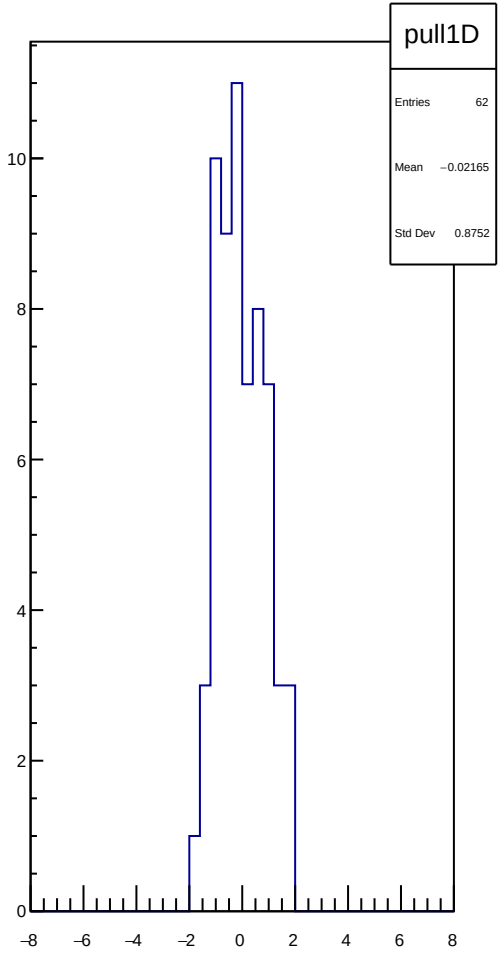
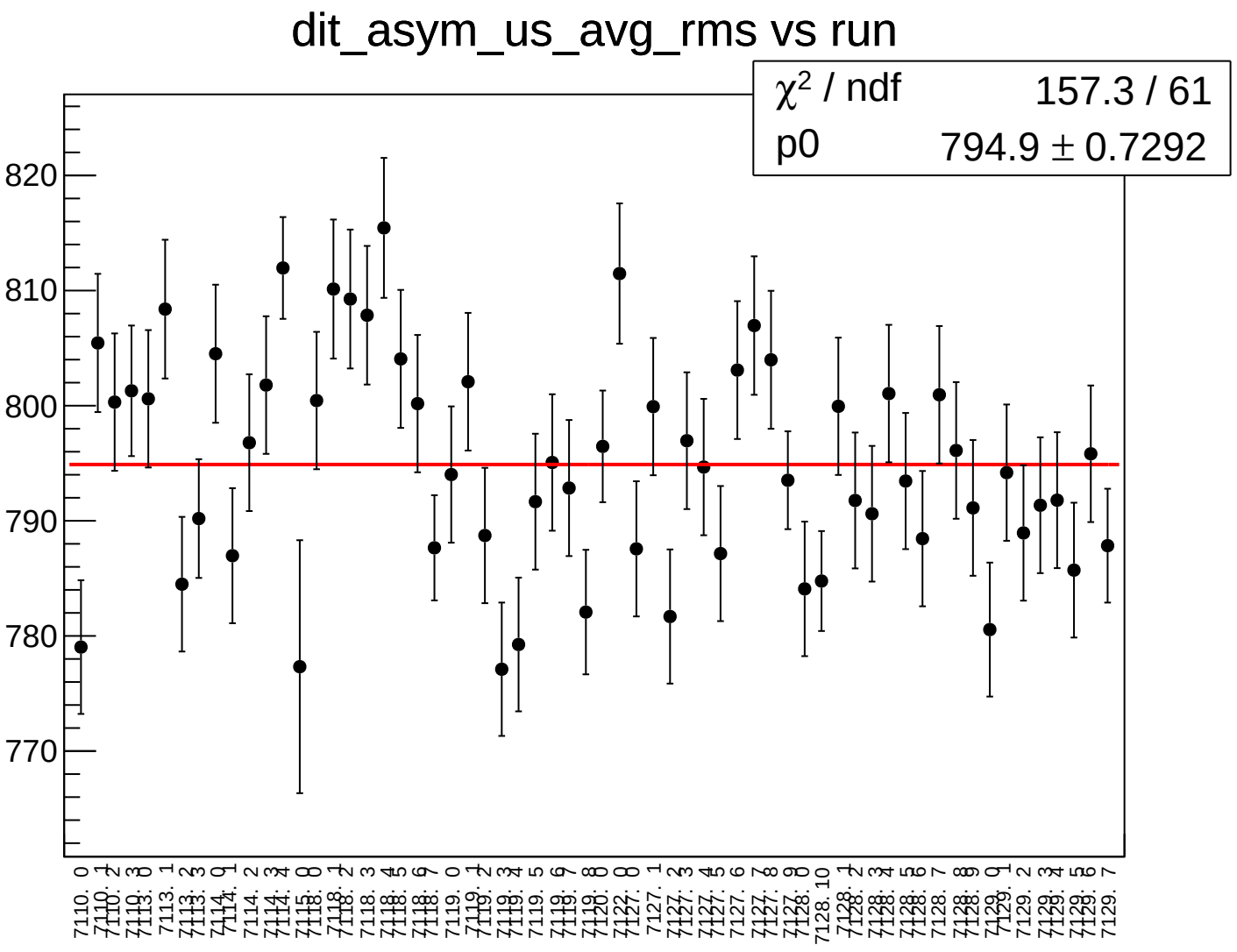
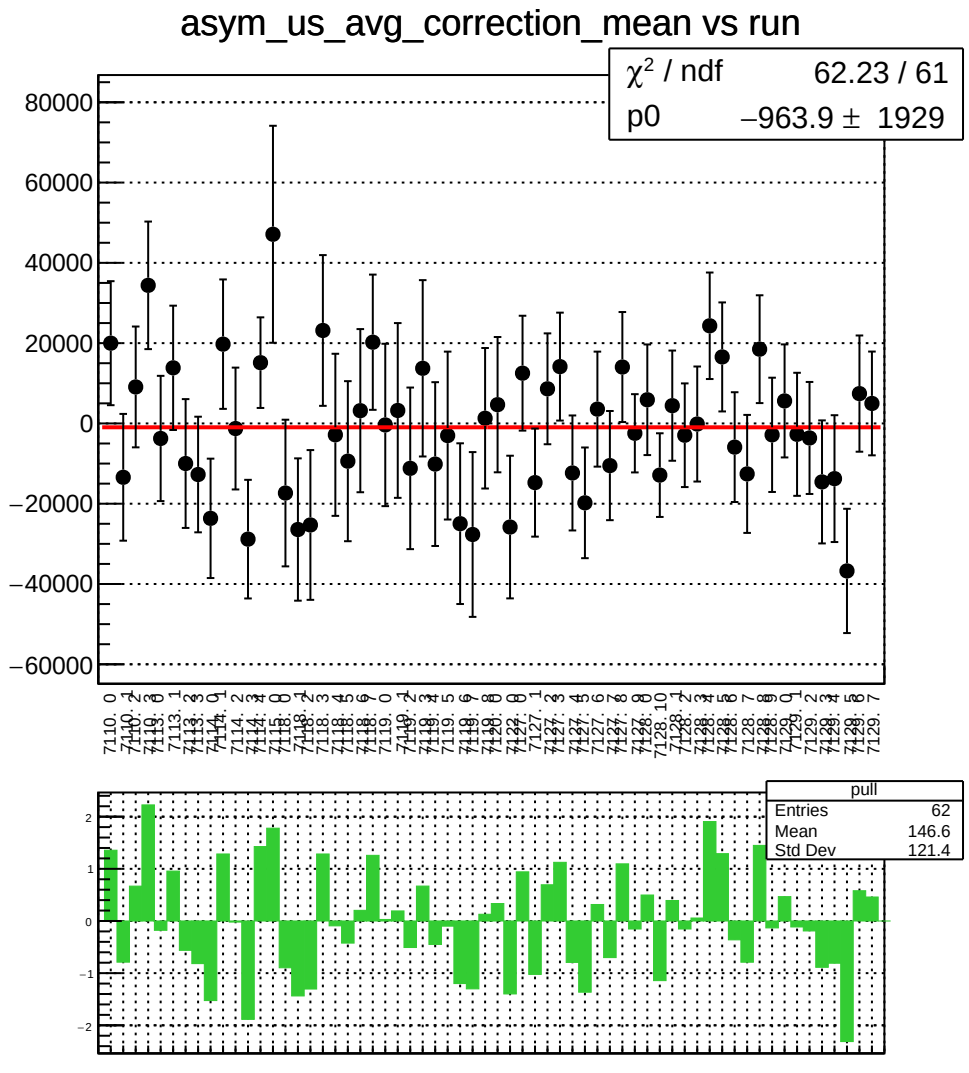
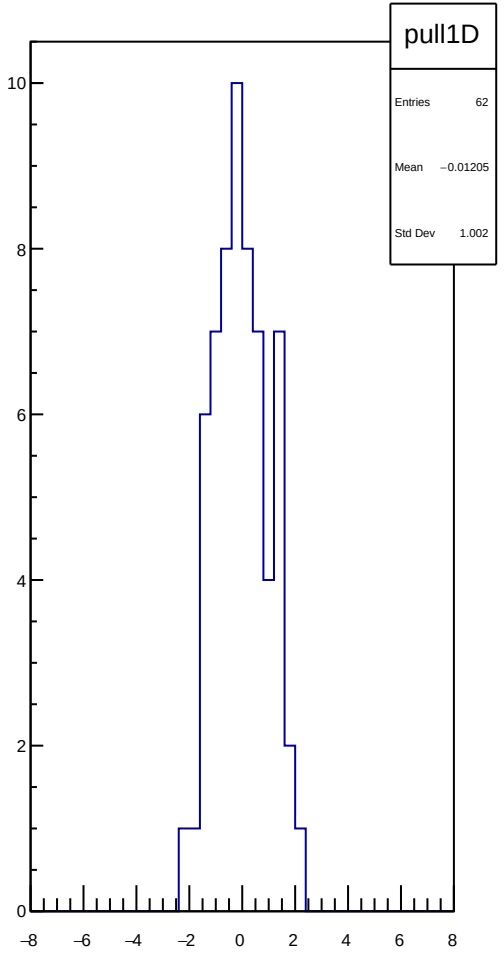
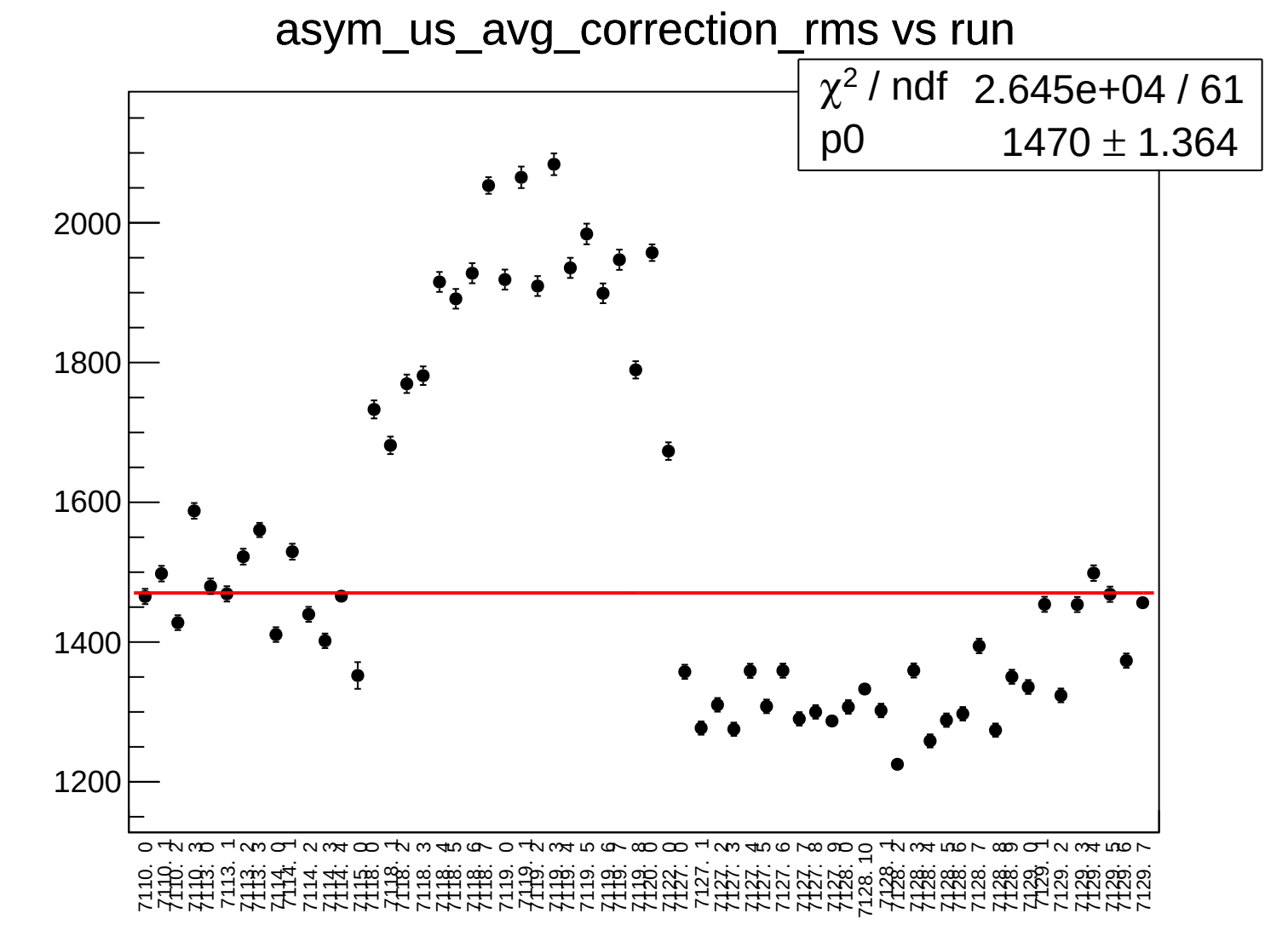

dit_asym_us_avg_mean vs run
χ^2 / ndf 47.51 / 61
p0 1844 ± 1031
20000
10000
0
−10000
−20000
pull
Entries 62
Mean −56.9
Std Dev 85.14
1.5
1
0.5
0
−0.5
−1
−1.5
−2

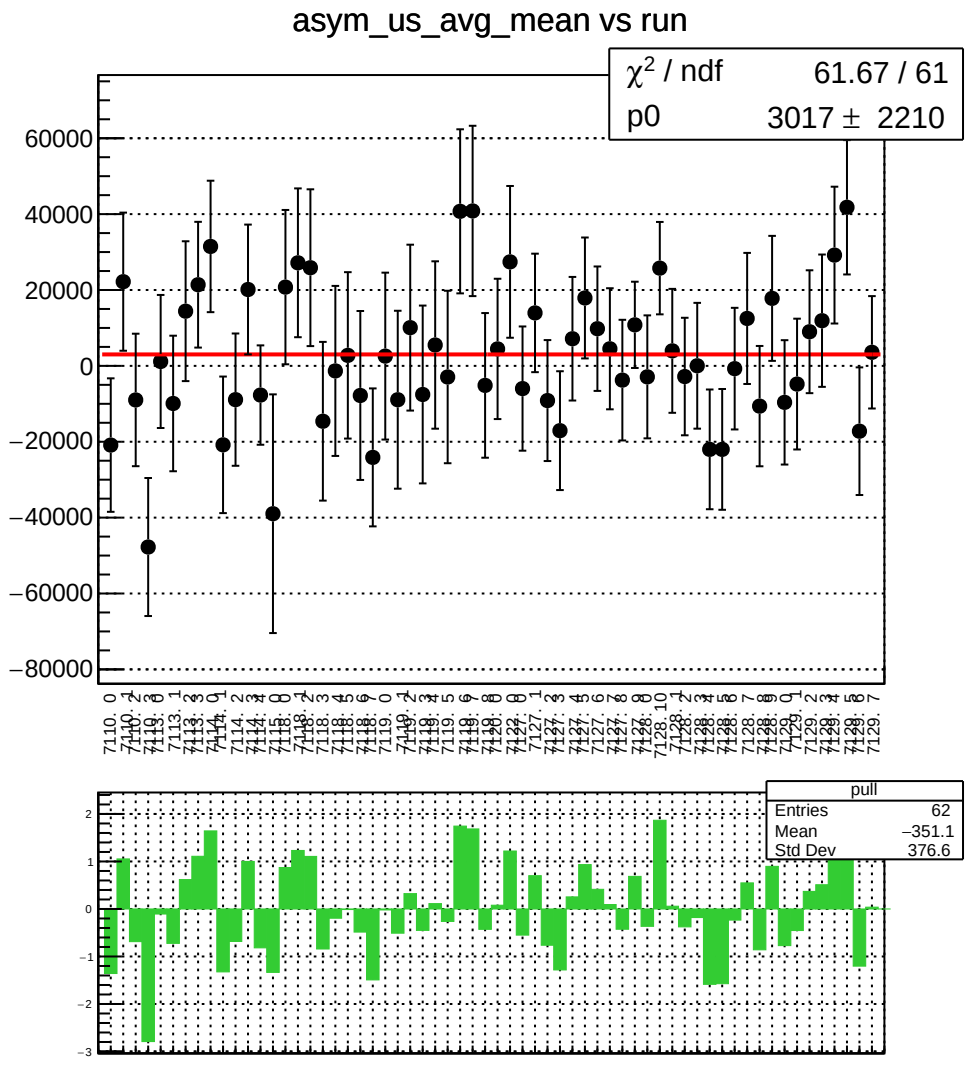

pull1D
Entries 62
Mean −0.02165
Std Dev 0.8752
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

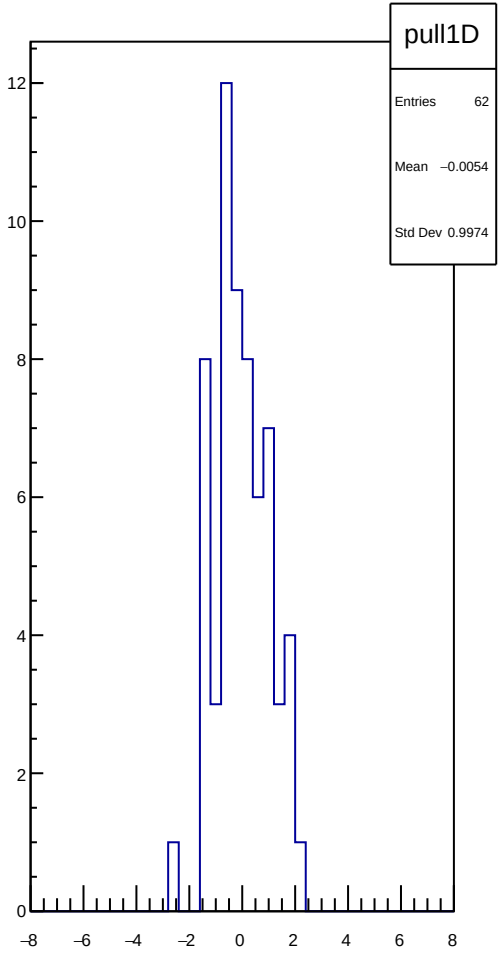

dit_asym_us_avg_rms vs run
χ² / ndf 157.3 / 61
p0 794.9 ± 0.7292
820
810
800
790
780
770

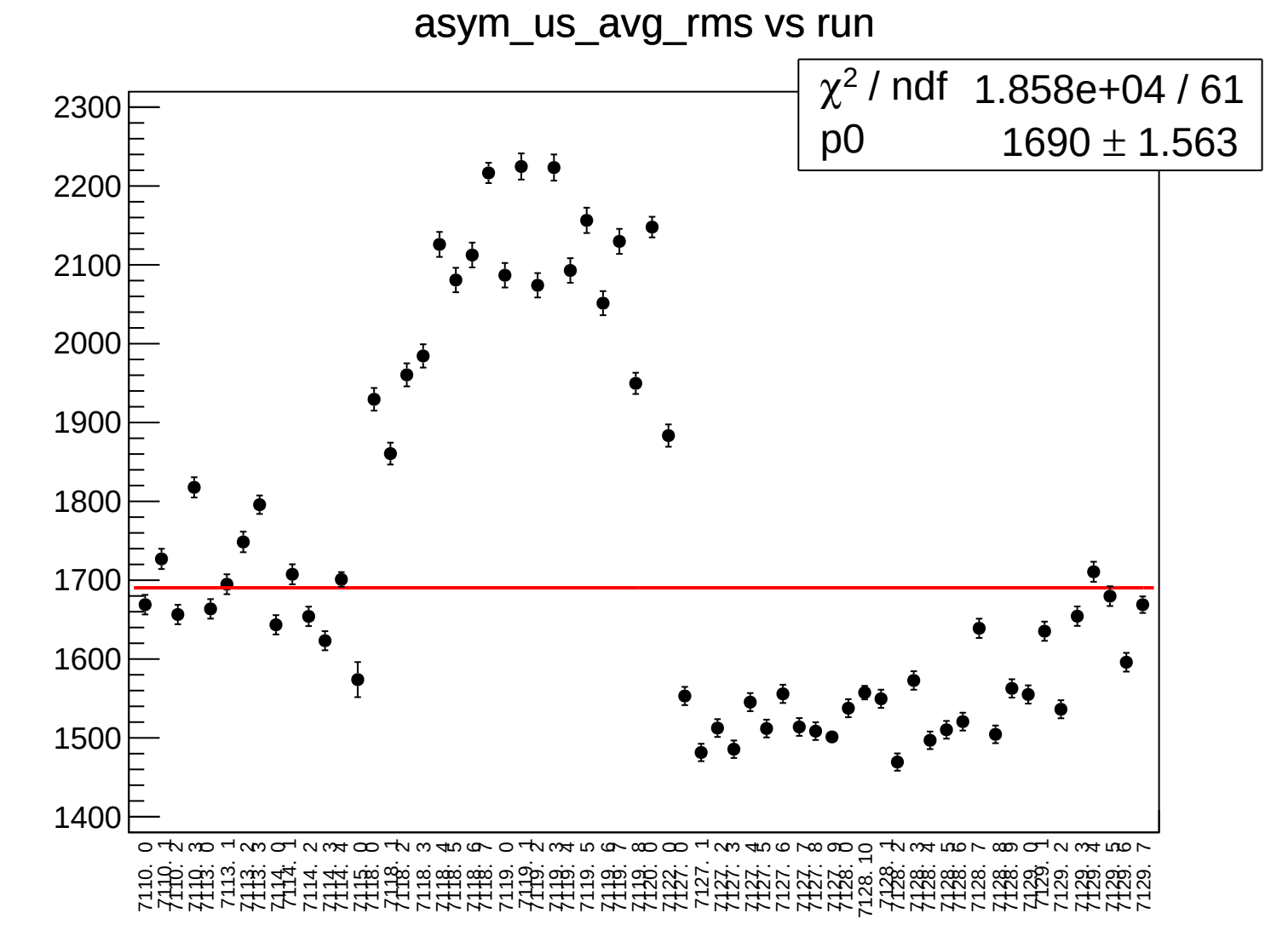

asym_us_avg_correction_mean vs run
χ² / ndf 62.23 / 61
p0 −963.9 ± 1929
pull
Entries 62
Mean 146.6
Std Dev 121.4

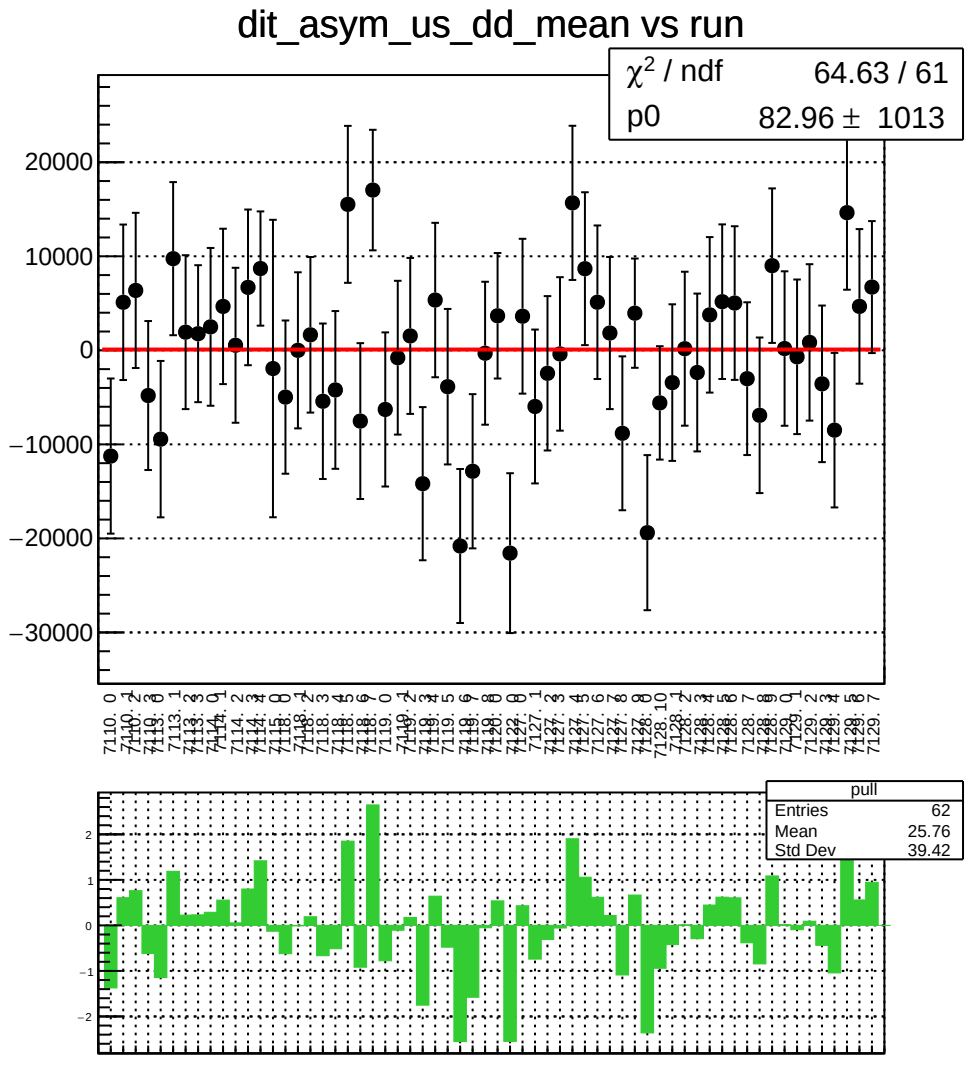

pull1D
Entries 62
Mean −0.01205
Std Dev 1.002

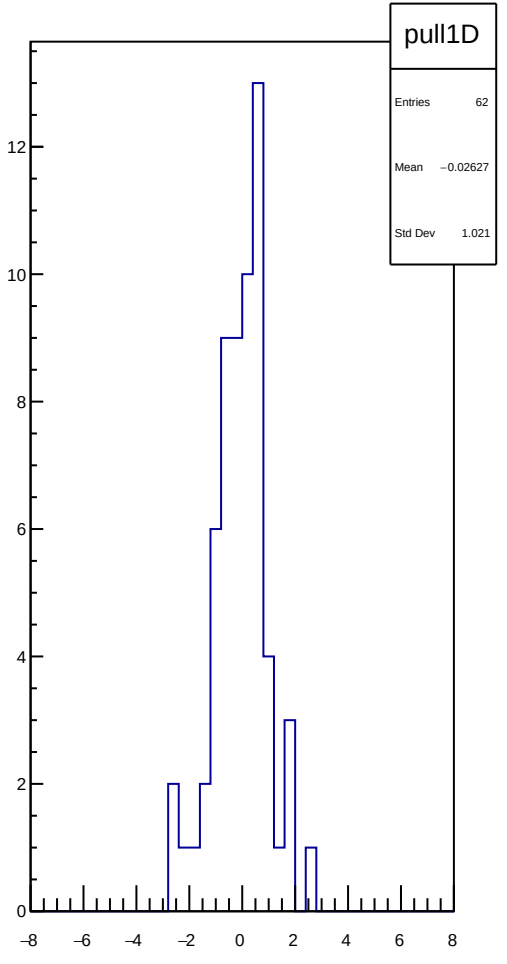

asym_us_avg_correction_rms vs run
χ^2 / ndf 2.645e+04 / 61
p0 1470 ± 1.364
2000
1800
1600
1400
1200

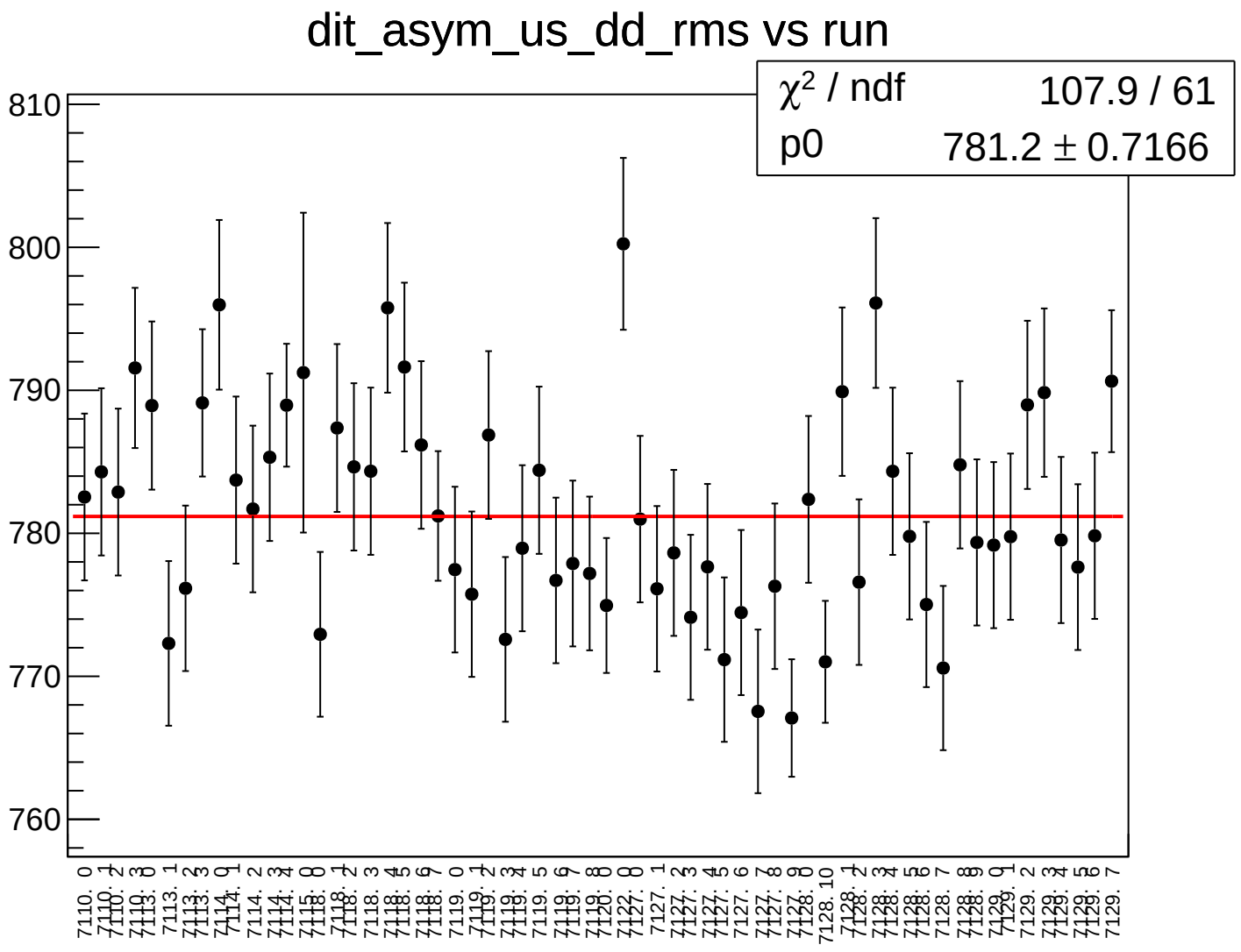

asym_us_avg_mean vs run
χ² / ndf 61.67 / 61
p0 3017 ± 2210
pull
Entries 62
Mean −351.1
Std Dev 376.6

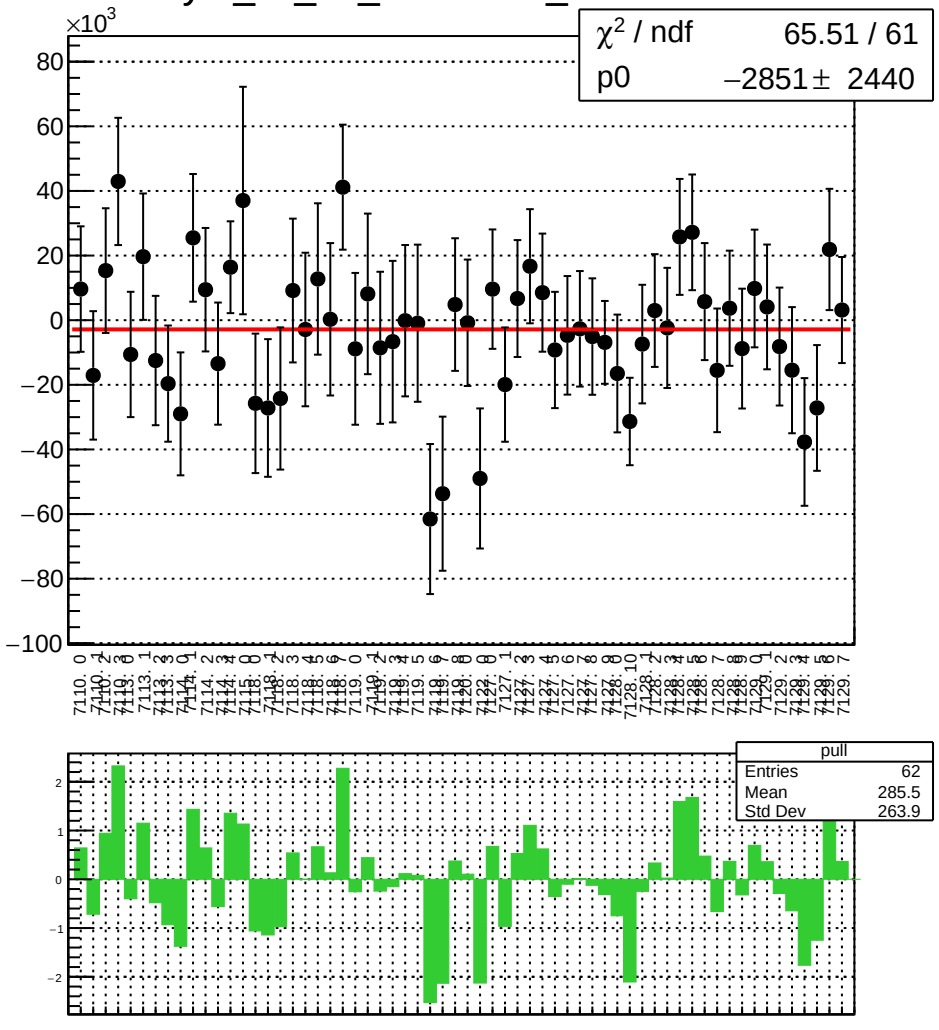

pull1D
Entries 62
Mean −0.0054
Std Dev 0.9974

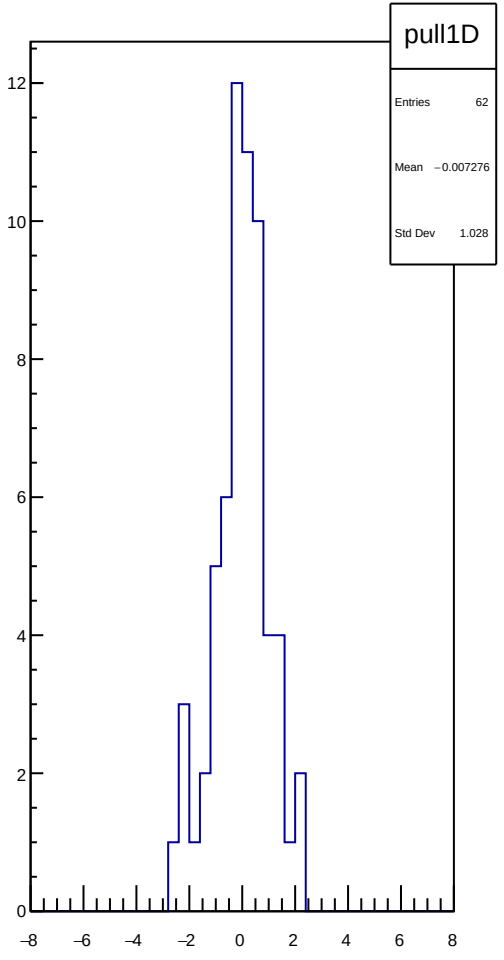

asym_us_avg_rms vs run
χ² / ndf 1.858e+04 / 61
p0 1690 ± 1.563
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400

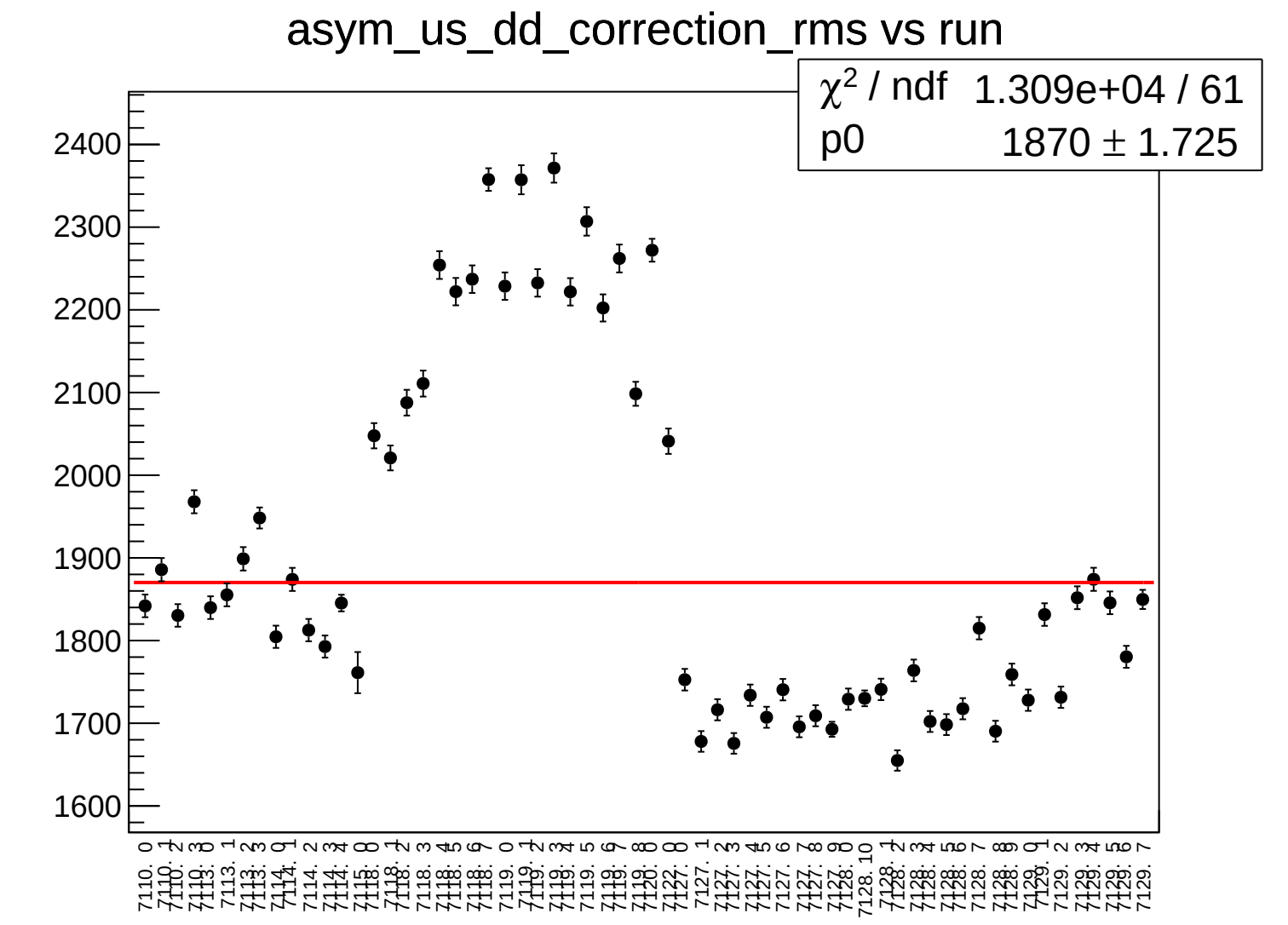

dit_asym_us_dd_mean vs run
χ² / ndf 64.63 / 61
p0 82.96 ± 1013
20000
10000
0
−10000
−20000
−30000
pull
Entries 62
Mean 25.76
Std Dev 39.42
2
1
0
−1
−2

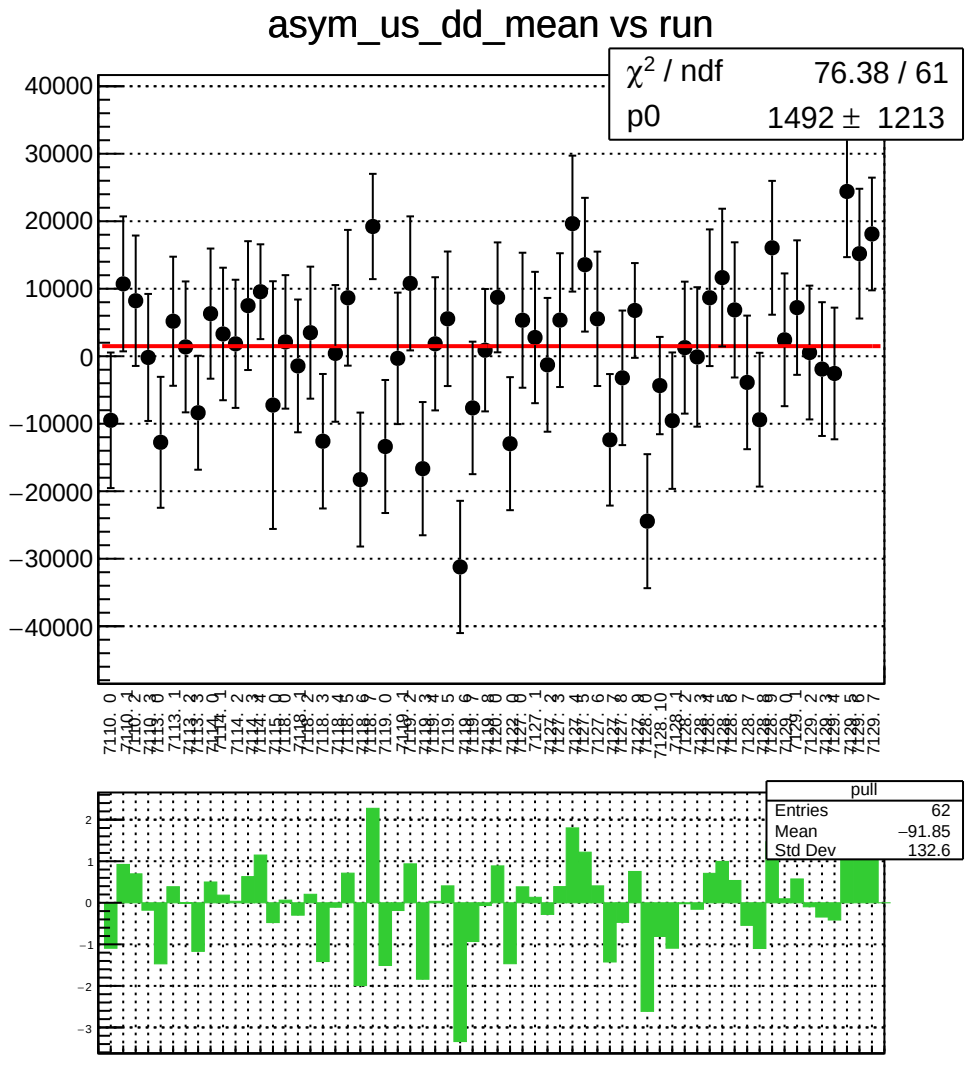

pull1D
Entries 62
Mean −0.02627
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

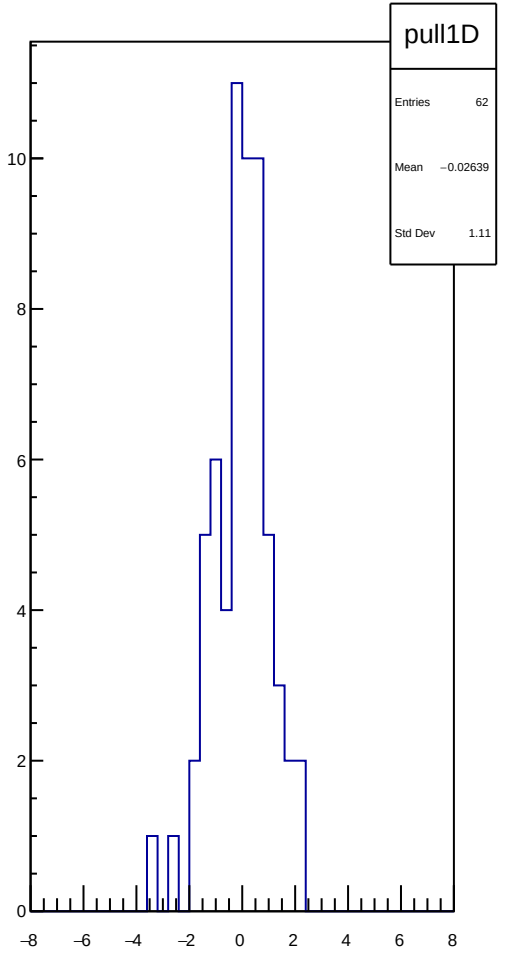

dit_asym_us_dd_rms vs run
χ² / ndf 107.9 / 61
p0 781.2 ± 0.7166
810
800
790
780
770
760
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

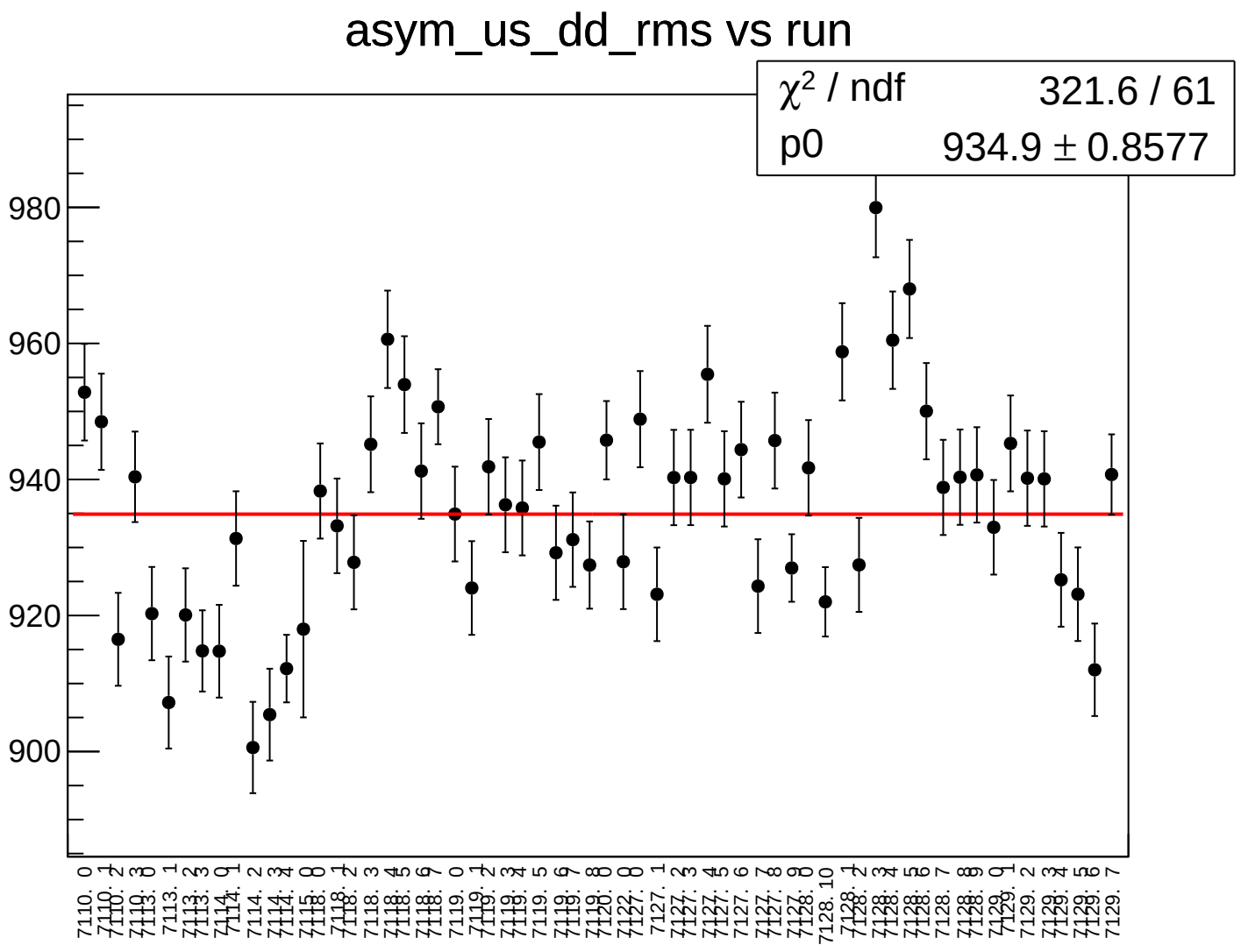

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 65.51 / 61
p0 −2851 ± 2440
pull
Entries 62
Mean 285.5
Std Dev 263.9

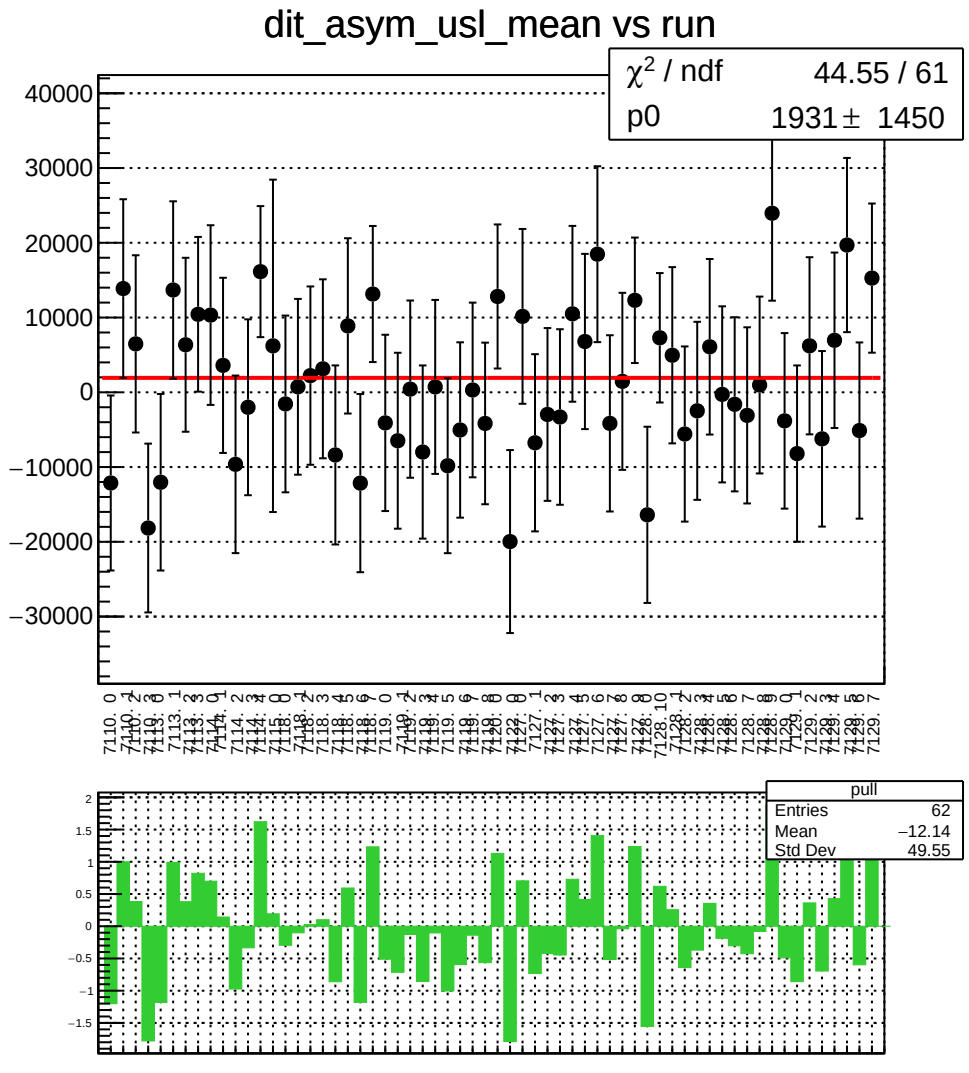

pull1D
Entries 62
Mean −0.007276
Std Dev 1.028

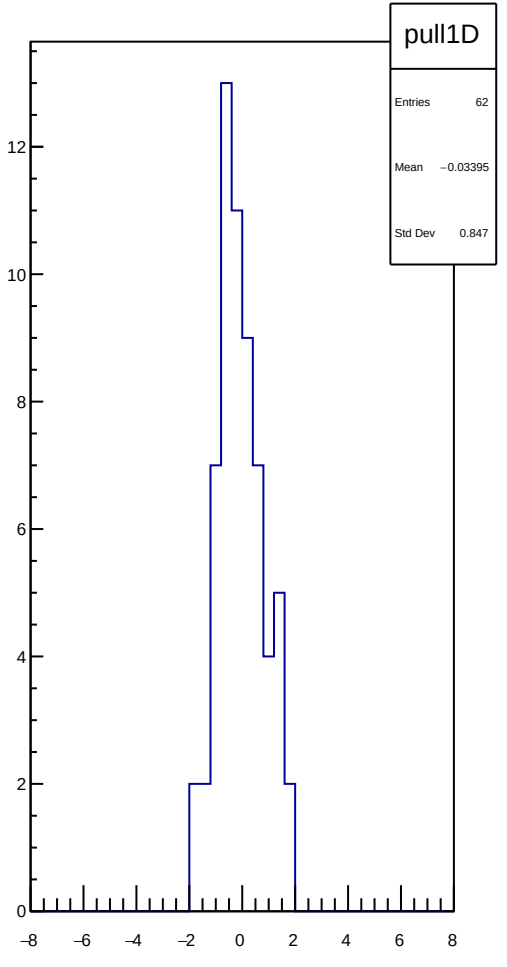

asym_us_dd_correction_rms vs run
χ² / ndf 1.309e+04 / 61
p0 1870 ± 1.725
2400
2300
2200
2100
2000
1900
1800
1700
1600
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

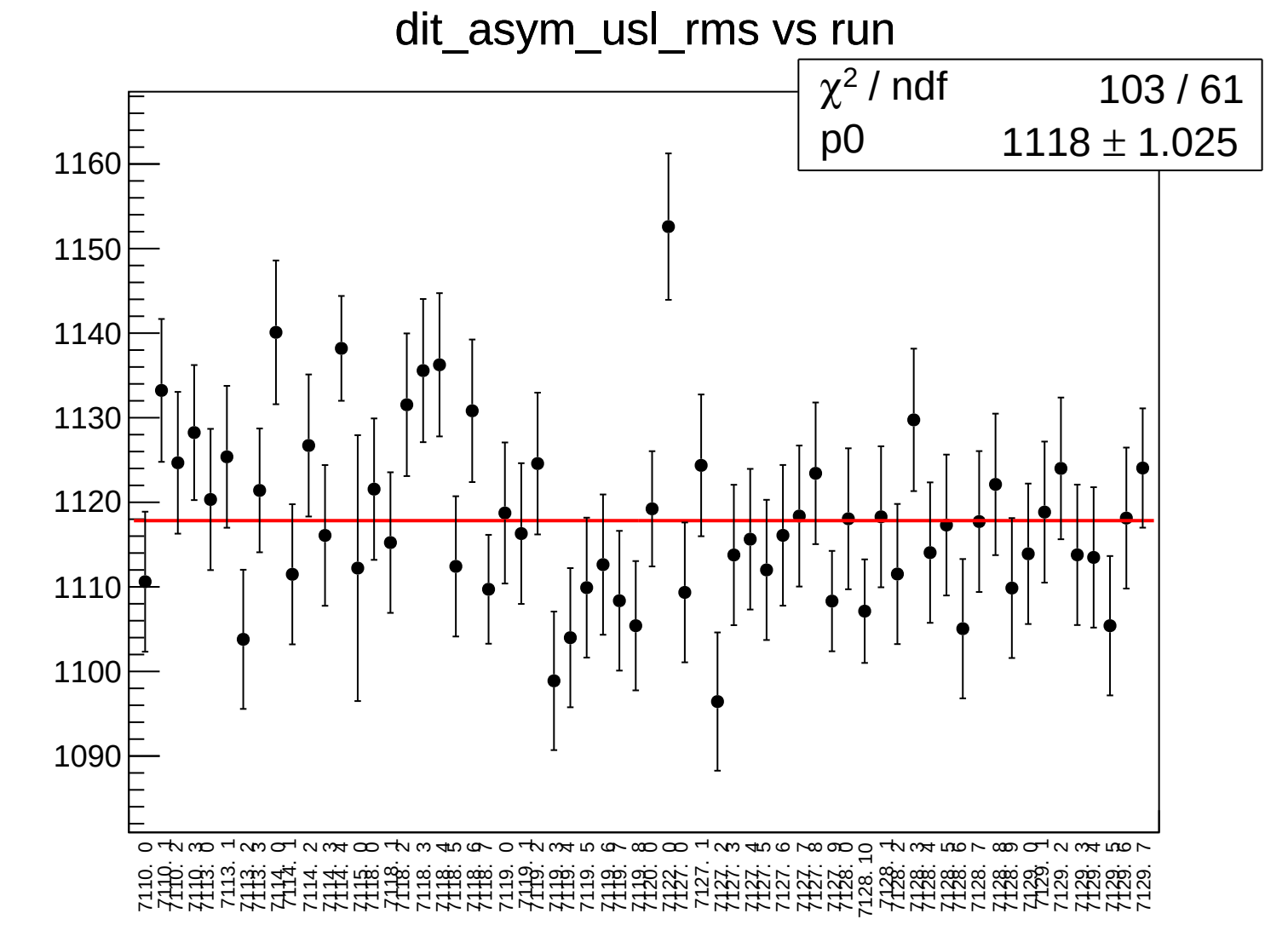

asym_us_dd_mean vs run
χ² / ndf 76.38 / 61
p0 1492 ± 1213
pull
Entries 62
Mean −91.85
Std Dev 132.6

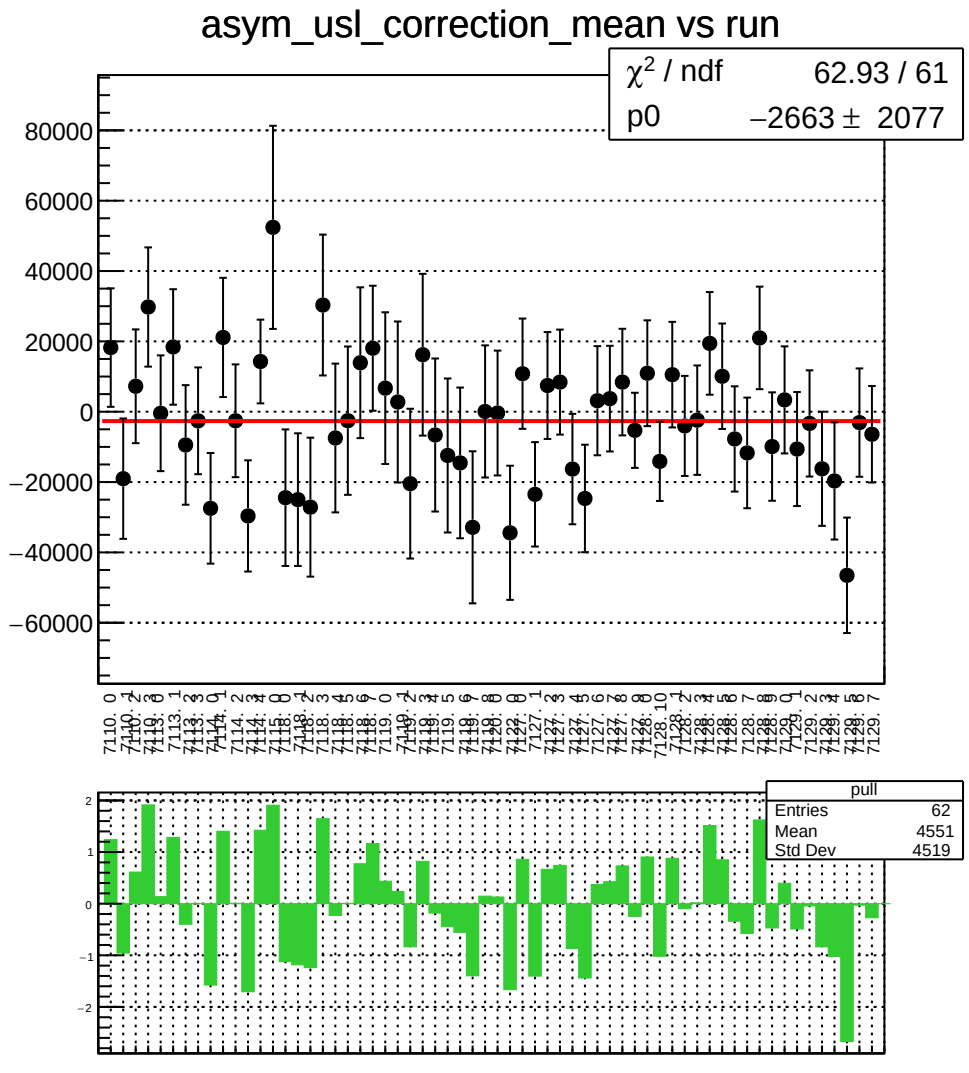

pull1D
Entries 62
Mean −0.02639
Std Dev 1.11

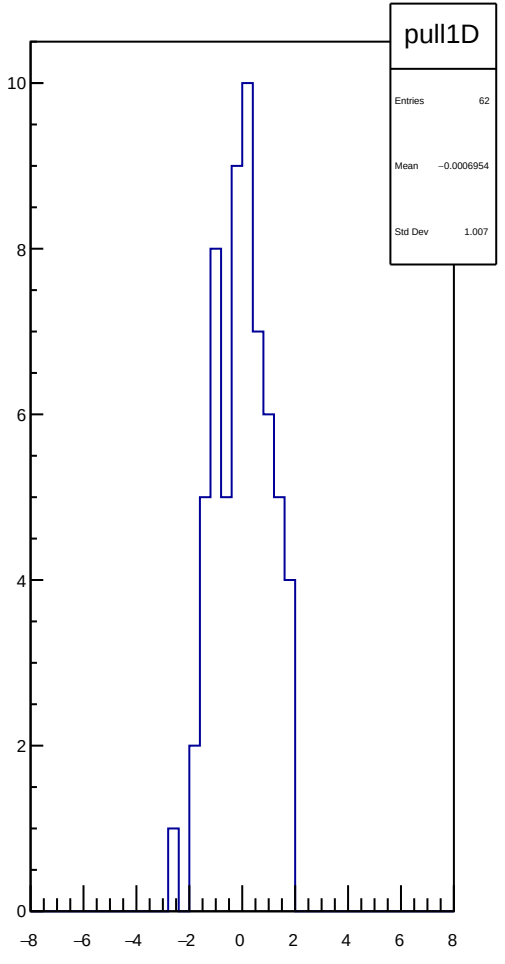

asym_us_dd_rms vs run
χ² / ndf 321.6 / 61
p0 934.9 ± 0.8577
980
960
940
920
900
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

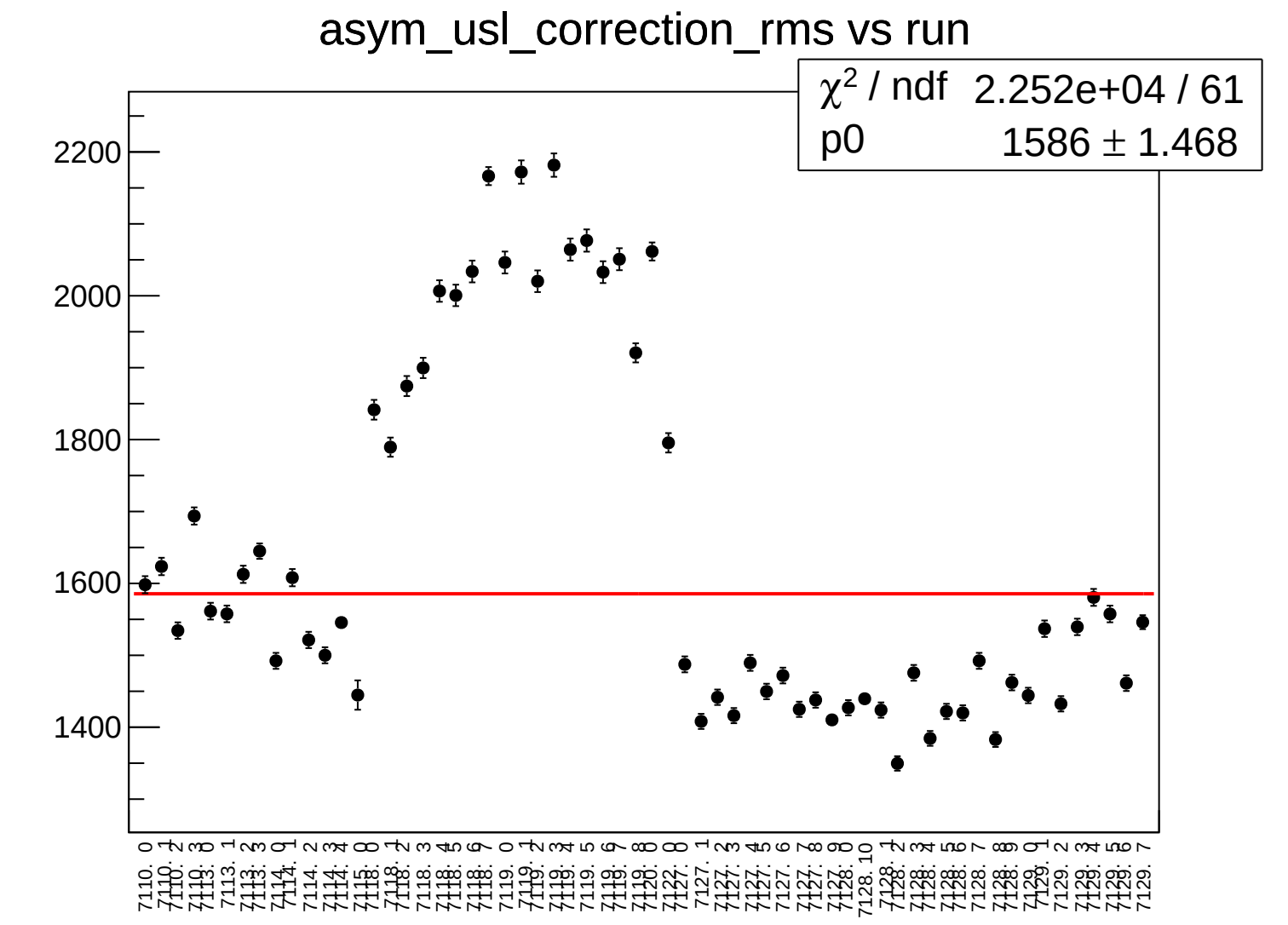

dit_asym_usl_mean vs run
χ² / ndf 44.55 / 61
p0 1931 ± 1450
pull
Entries 62
Mean −12.14
Std Dev 49.55

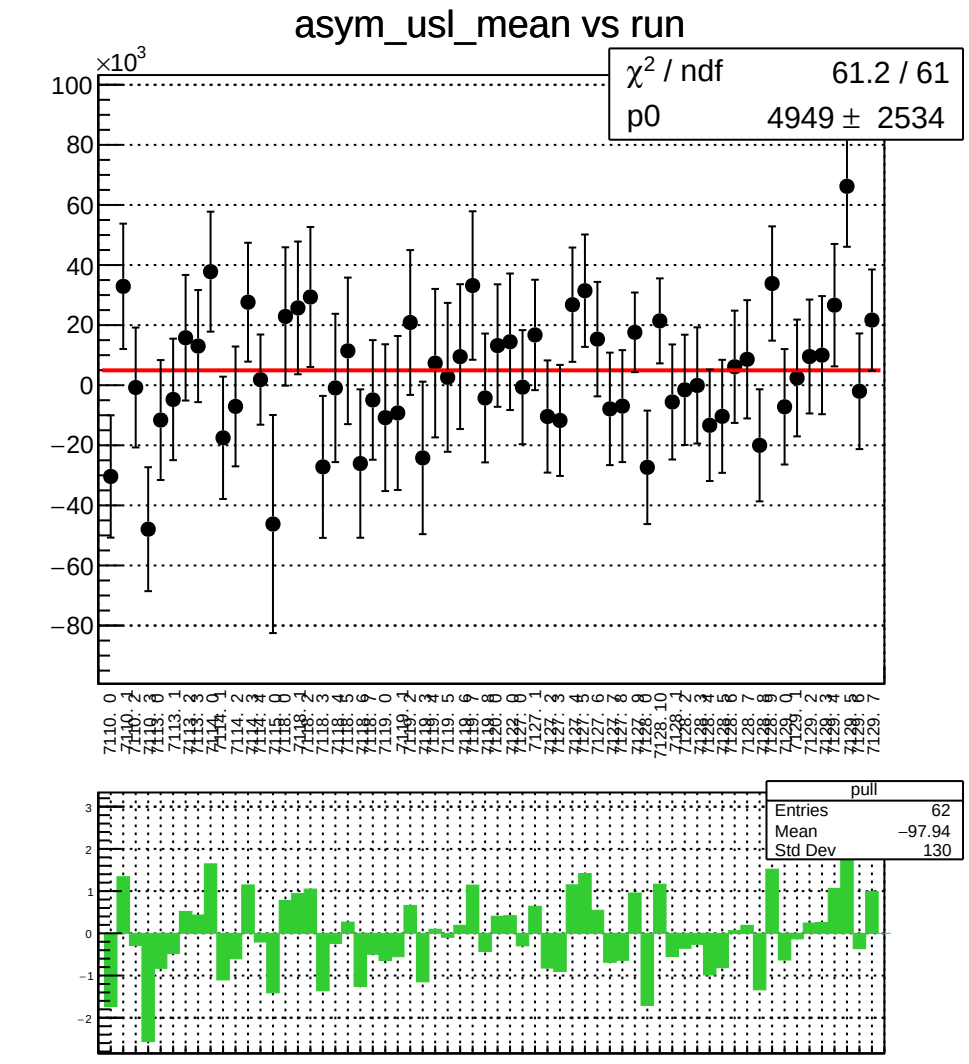

pull1D
Entries 62
Mean −0.03395
Std Dev 0.847

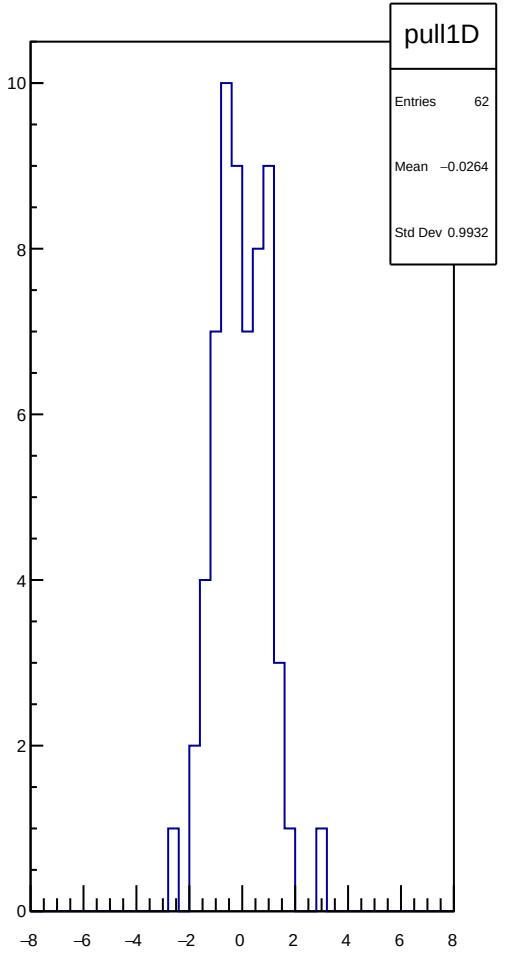

dit_asym_usl_rms vs run
χ^2 / ndf 103 / 61
p0 1118 ± 1.025
1160
1150
1140
1130
1120
1110
1100
1090

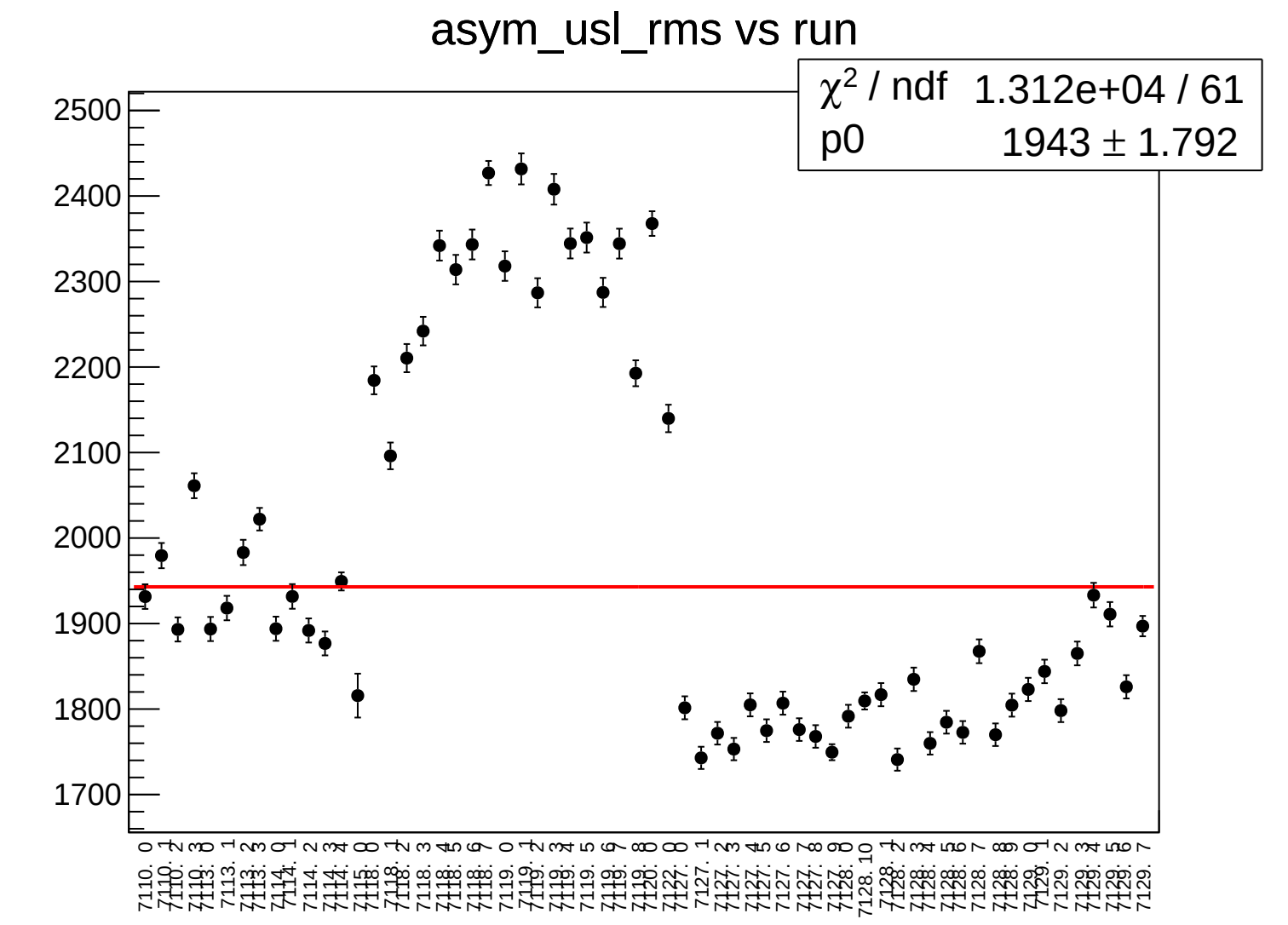

asym_usl_correction_mean vs run
χ² / ndf 62.93 / 61
p0 −2663 ± 2077
pull
Entries 62
Mean 4551
Std Dev 4519

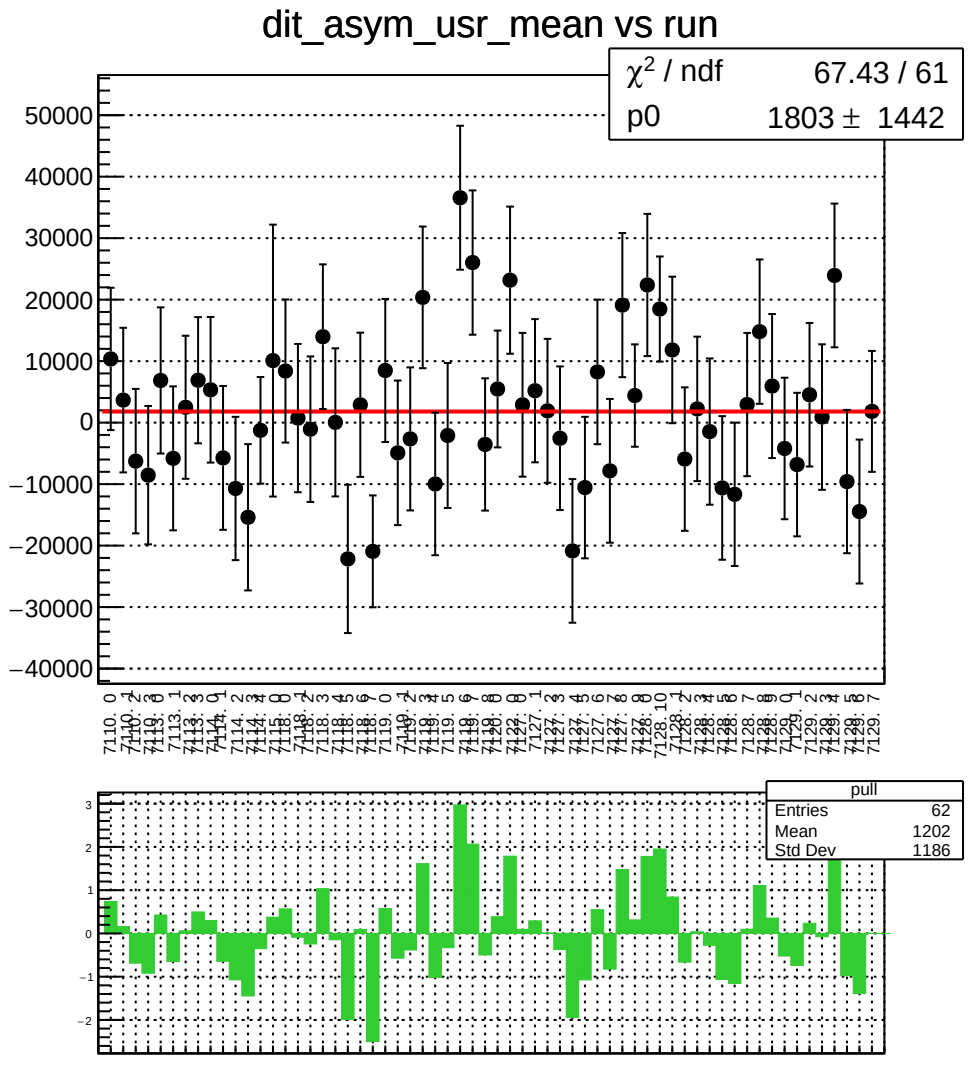

pull1D
Entries 62
Mean −0.0006954
Std Dev 1.007

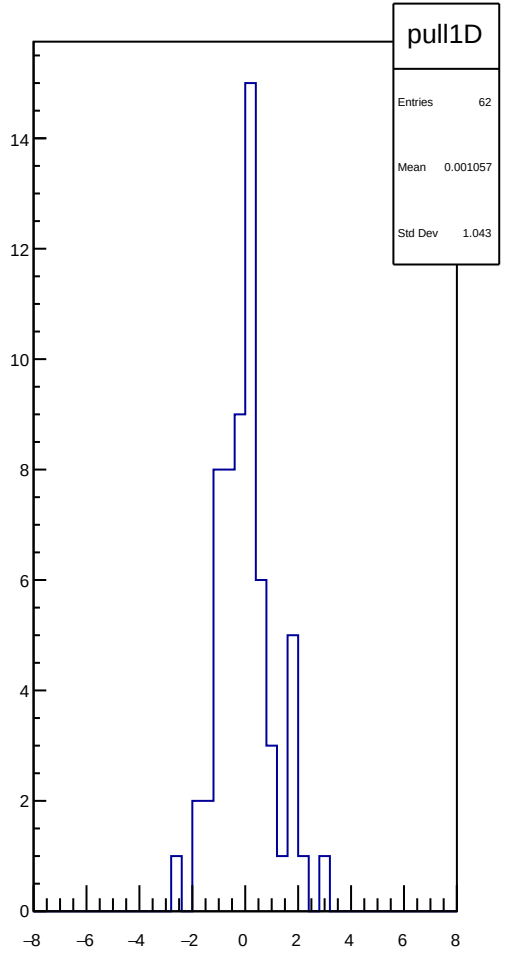

asym_usl_correction_rms vs run
χ² / ndf 2.252e+04 / 61
p0 1586 ± 1.468
2200
2000
1800
1600
1400
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 8
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

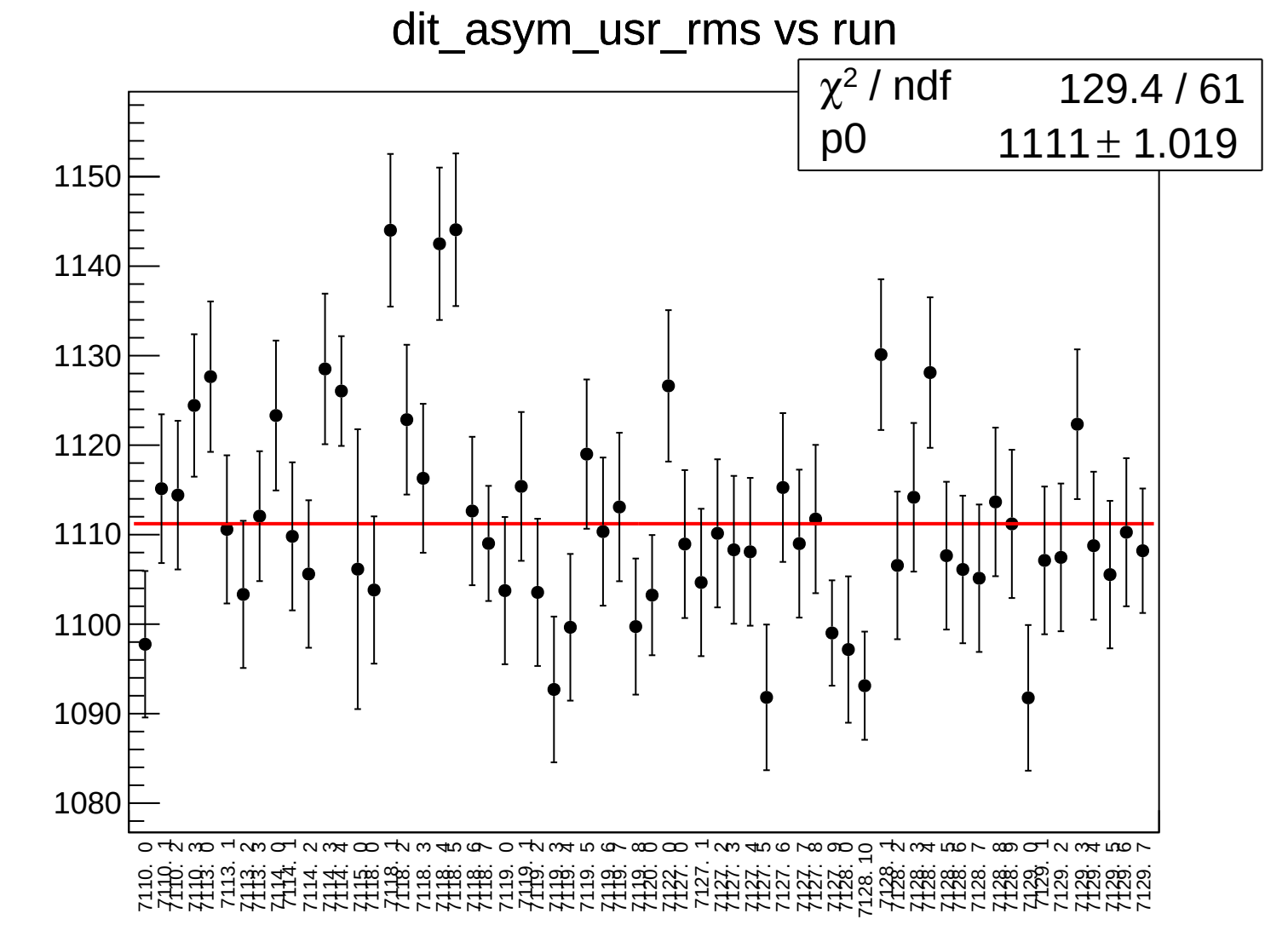

asym_usl_mean vs run
×10^3
χ^2 / ndf 61.2 / 61
p0 4949 ± 2534
pull
Entries 62
Mean −97.94
Std Dev 130

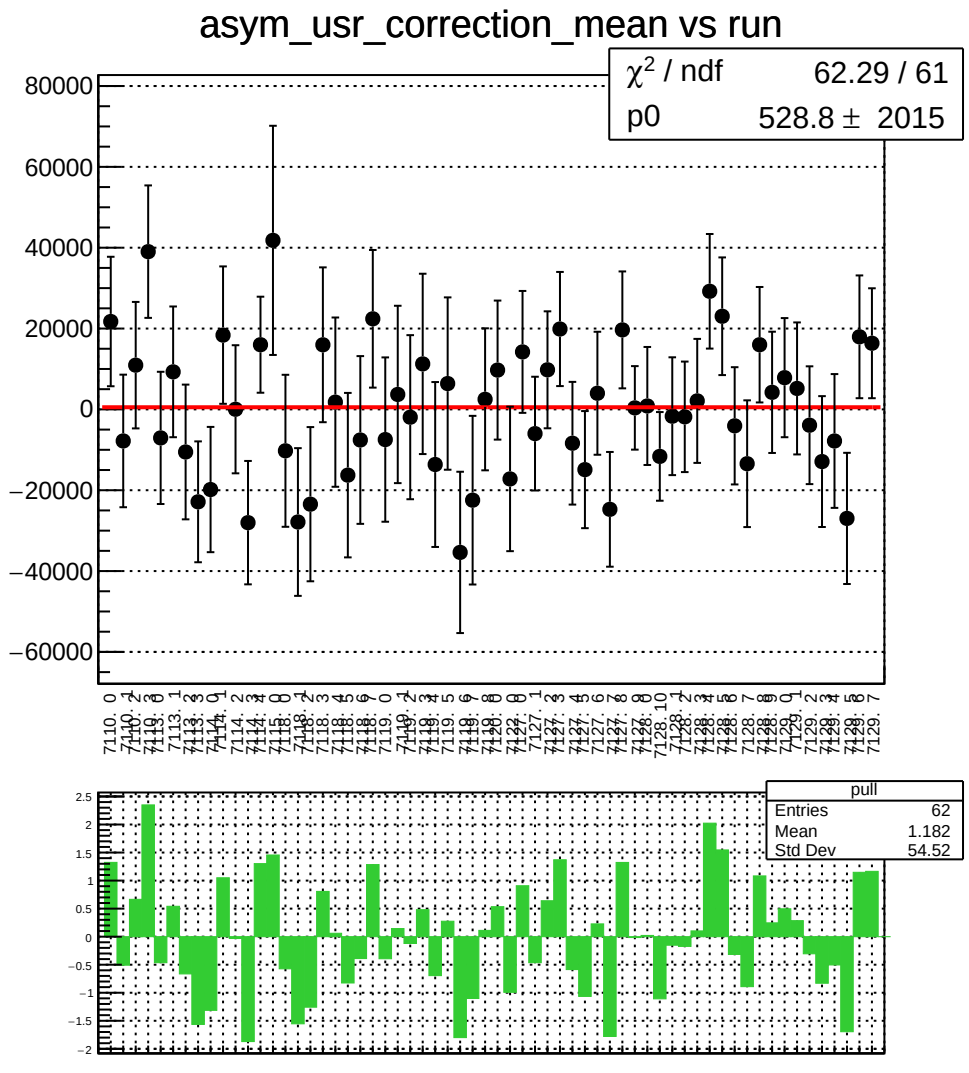

pull1D
Entries 62
Mean −0.0264
Std Dev 0.9932

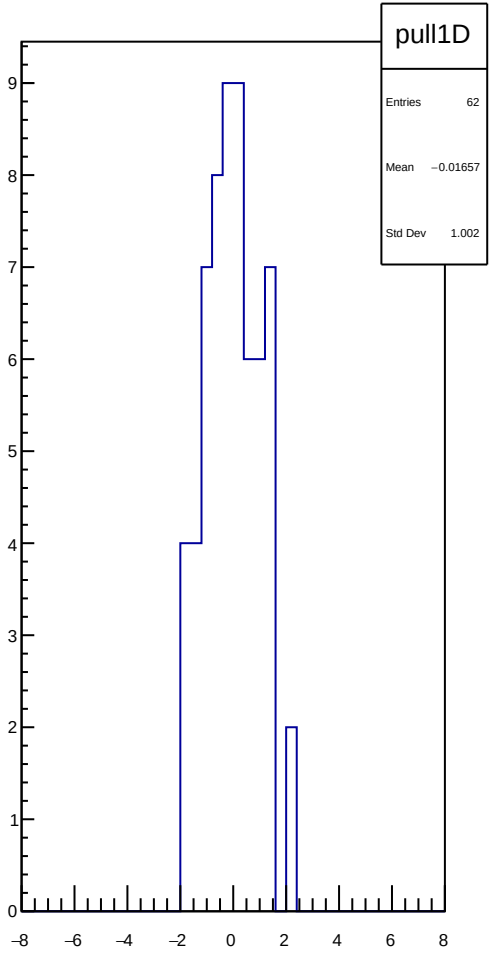

asym_usl_rms vs run
χ² / ndf 1.312e+04 / 61
p0 1943 ± 1.792
2500
2400
2300
2200
2100
2000
1900
1800
1700

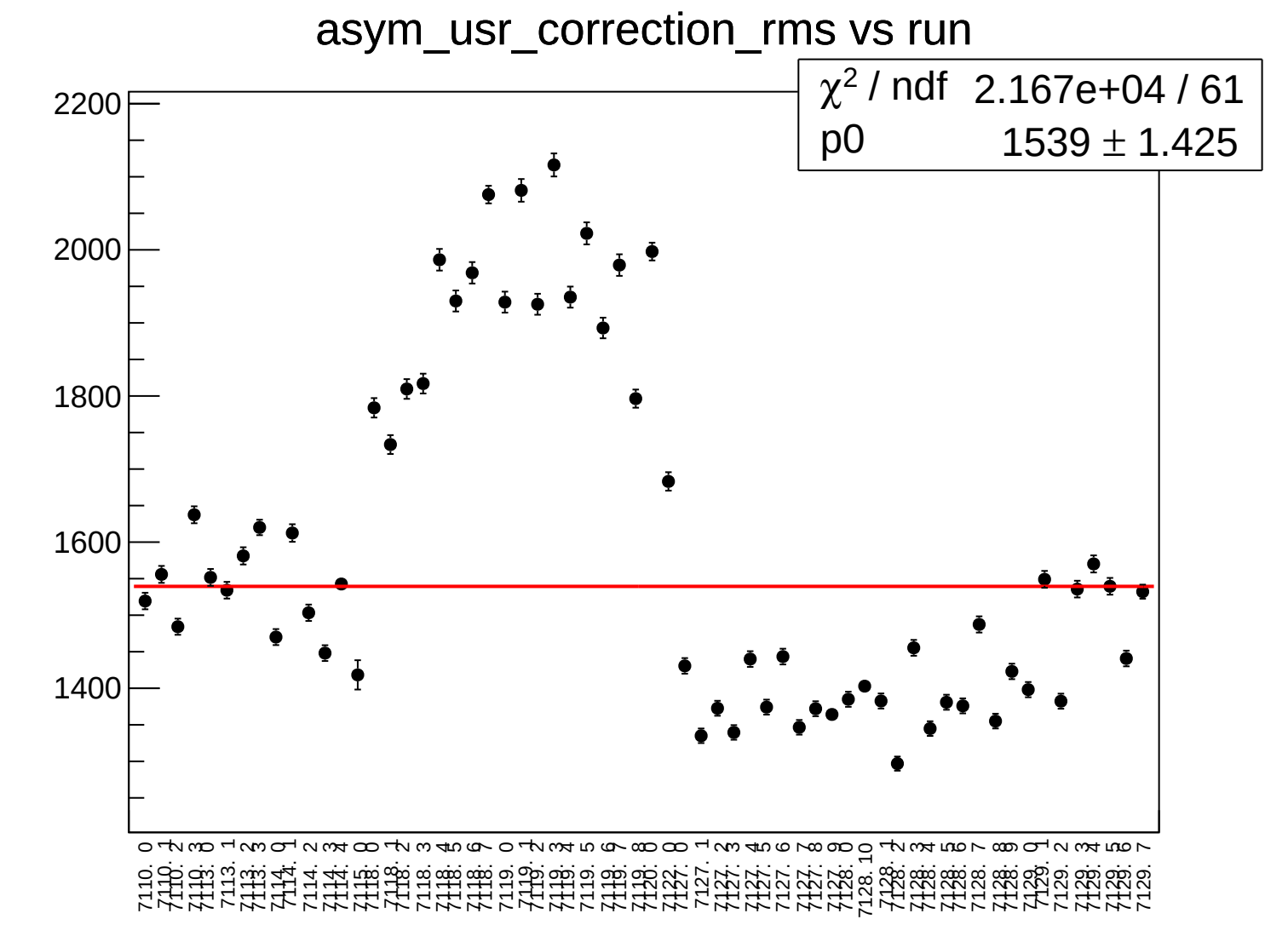

dit_asym_usr_mean vs run
χ² / ndf 67.43 / 61
p0 1803 ± 1442
pull
Entries 62
Mean 1202
Std Dev 1186

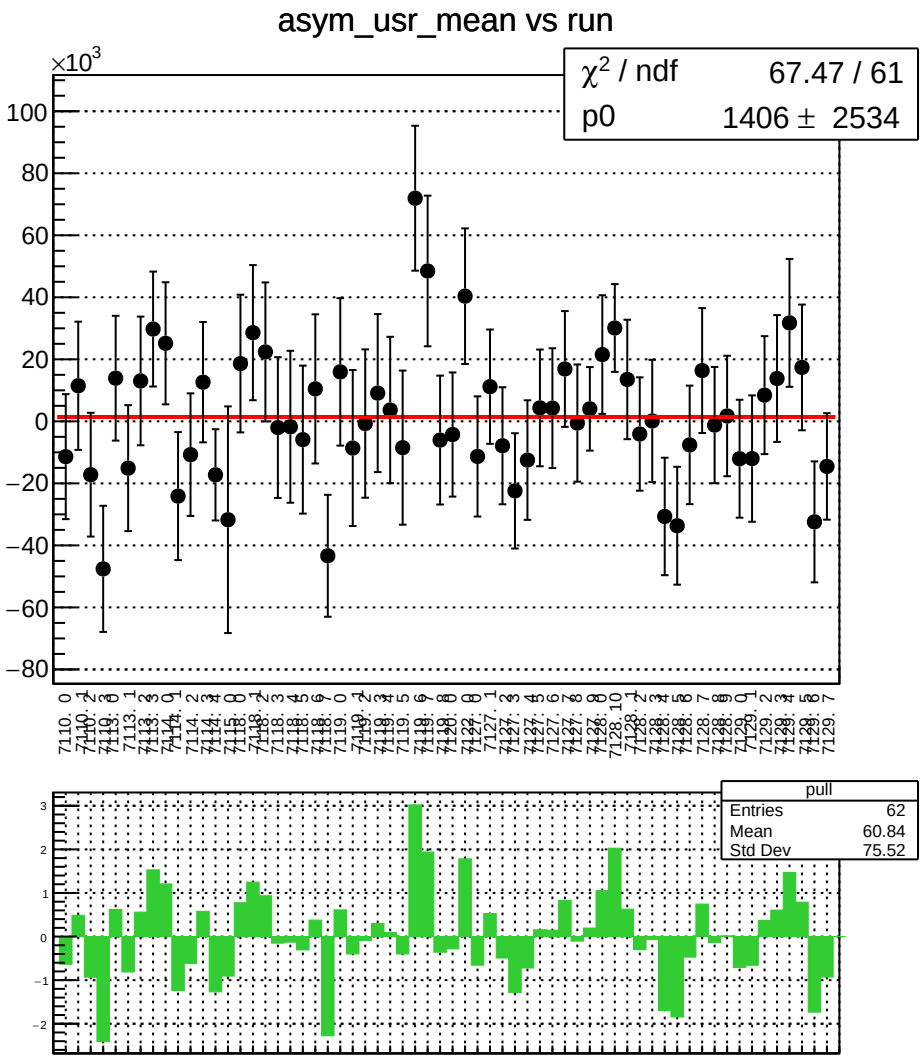

pull1D
Entries 62
Mean 0.001057
Std Dev 1.043

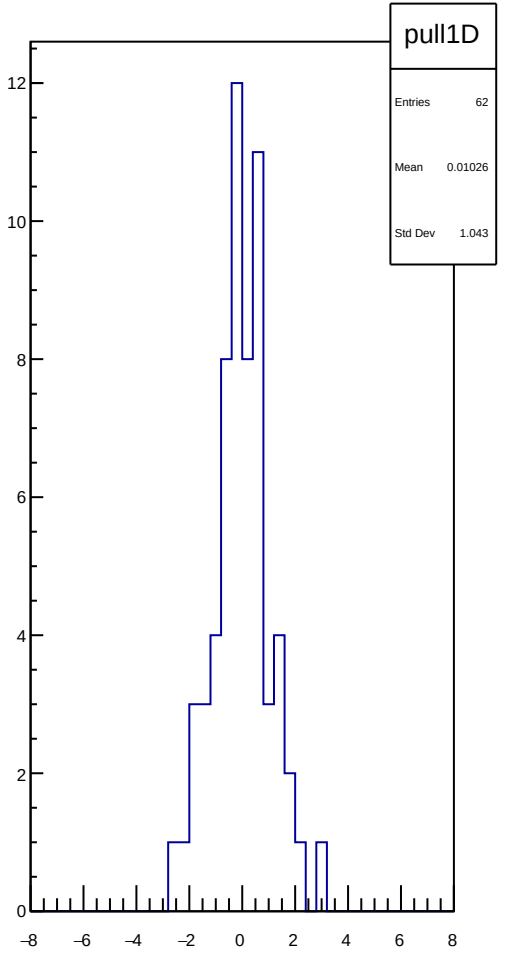

dit_asym_usr_rms vs run
χ² / ndf 129.4 / 61
p0 1111 ± 1.019
1150
1140
1130
1120
1110
1100
1090
1080

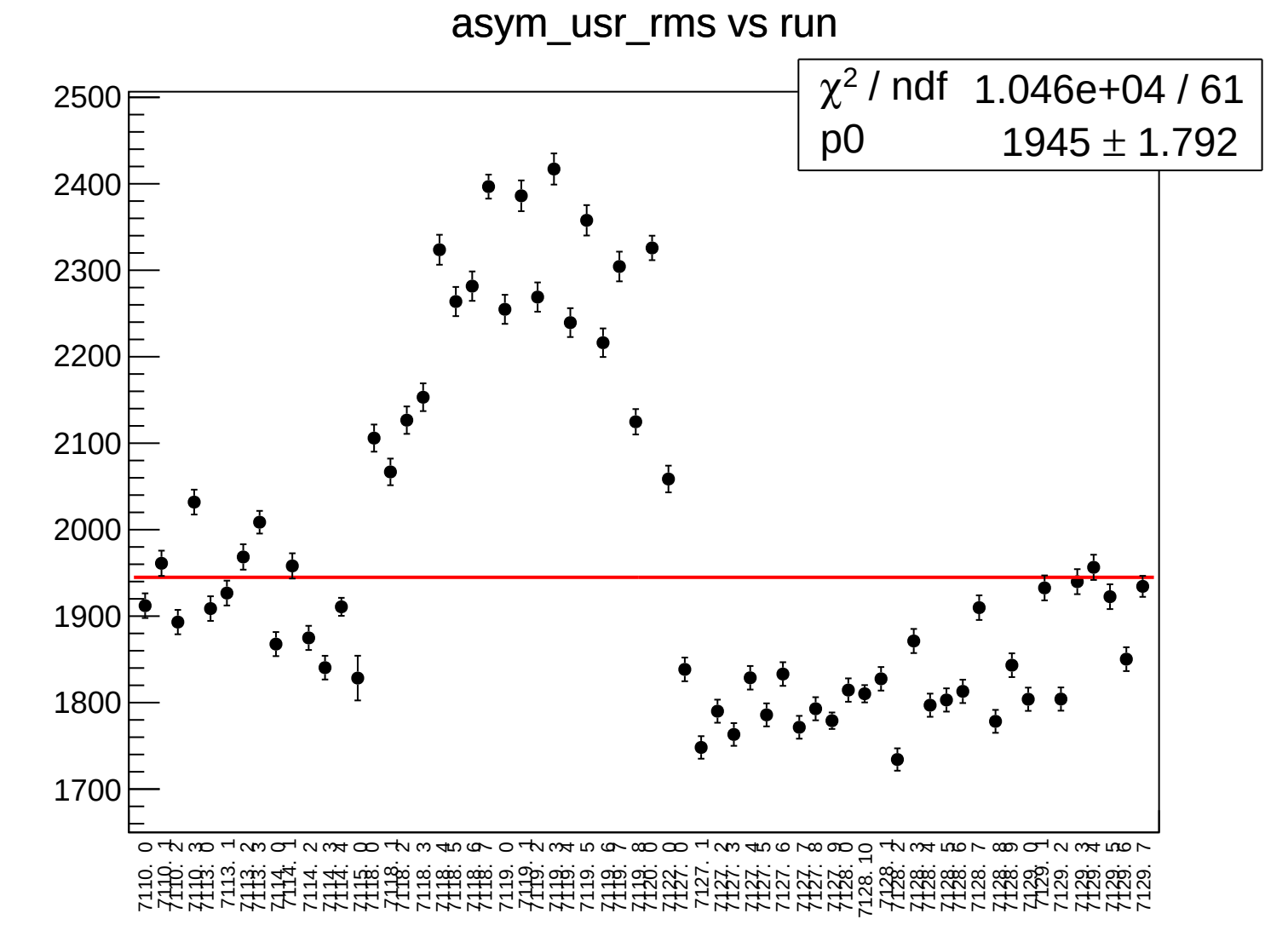

asym_usr_correction_mean vs run
χ² / ndf 62.29 / 61
p0 528.8 ± 2015
pull
Entries 62
Mean 1.182
Std Dev 54.52

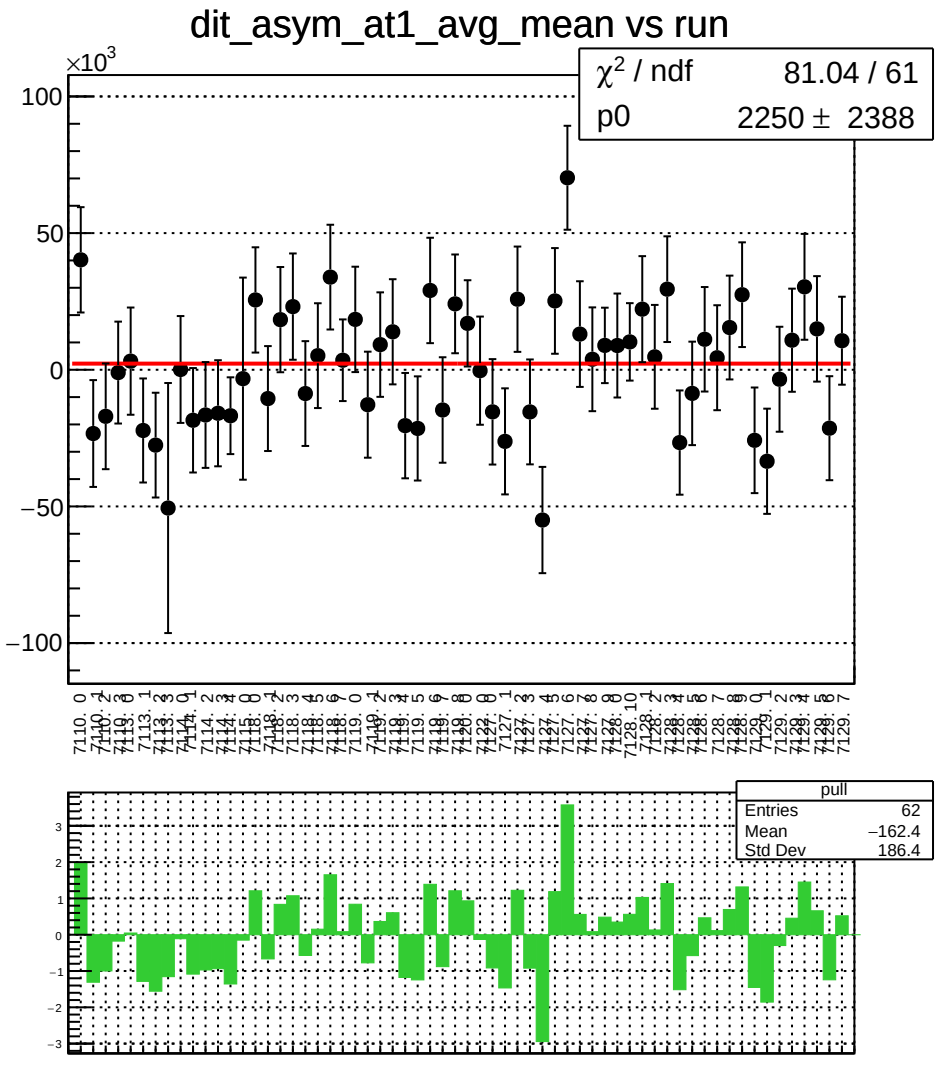

pull1D
Entries 62
Mean −0.01657
Std Dev 1.002

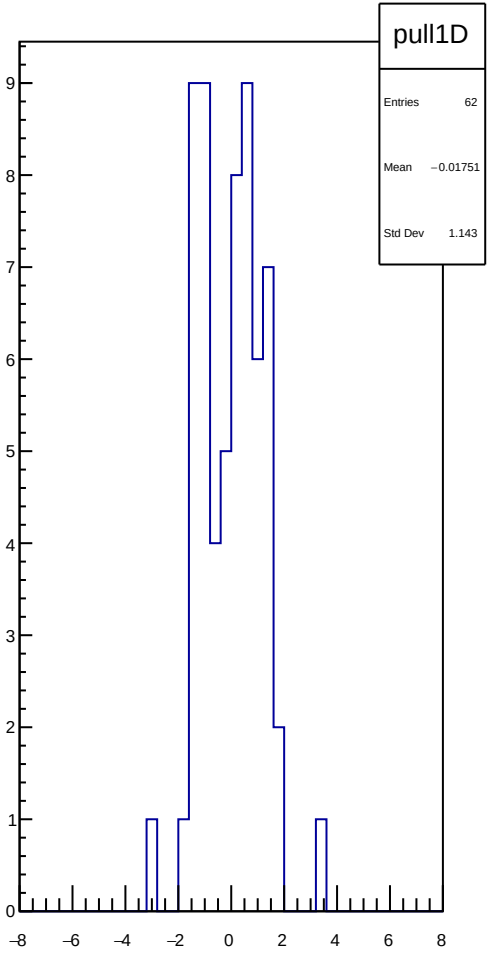

asym_usr_correction_rms vs run
χ² / ndf 2.167e+04 / 61
p0 1539 ± 1.425
2200
2000
1800
1600
1400
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

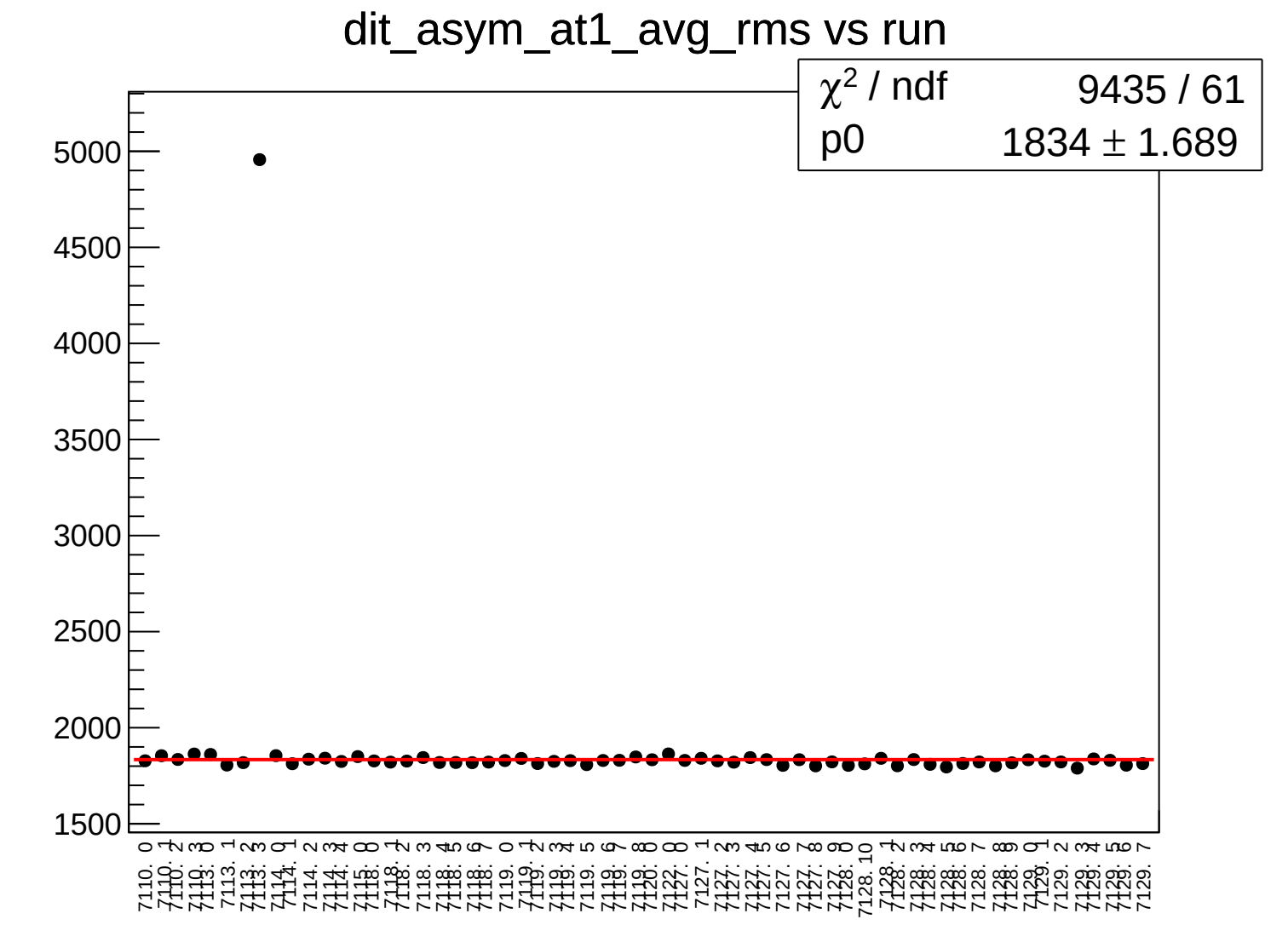

asym_usr_mean vs run
×10^3
χ² / ndf 67.47 / 61
p0 1406 ± 2534
pull
Entries 62
Mean 60.84
Std Dev 75.52

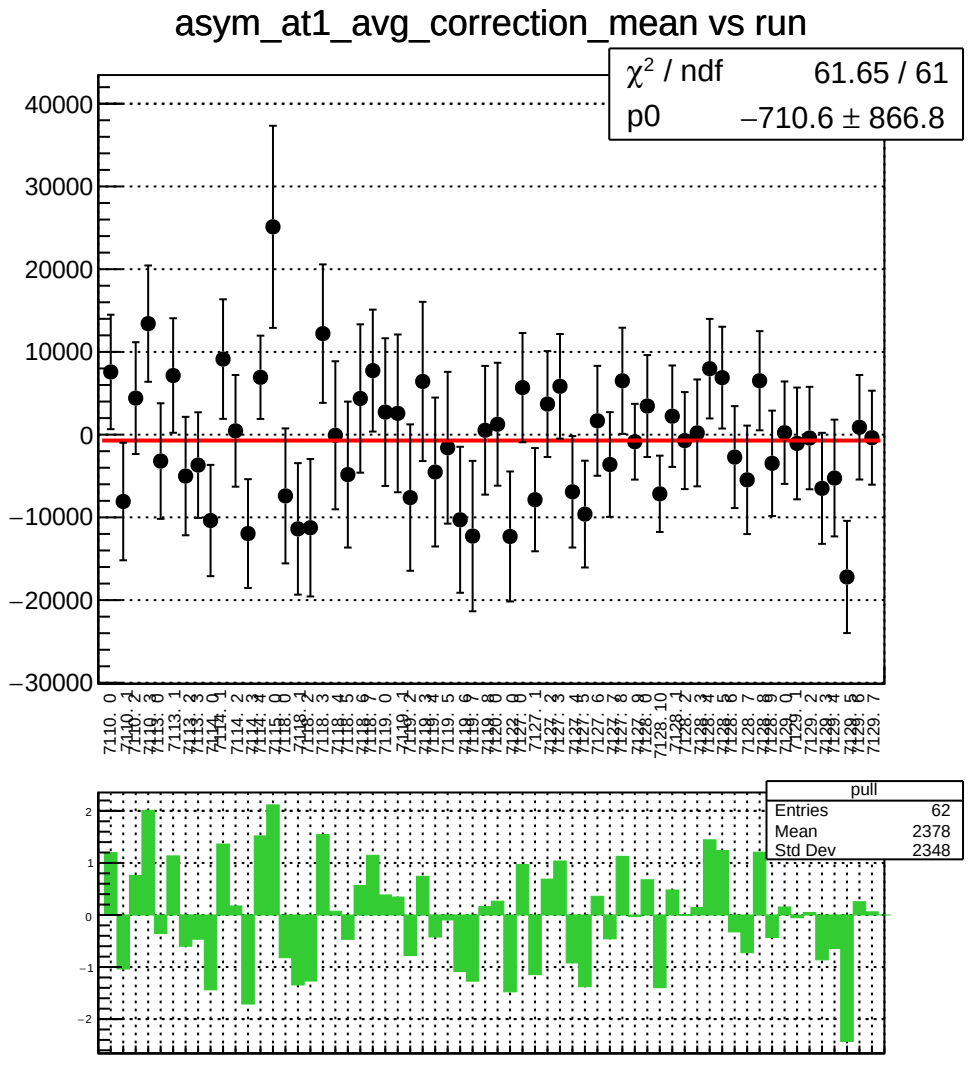

pull1D
Entries 62
Mean 0.01026
Std Dev 1.043

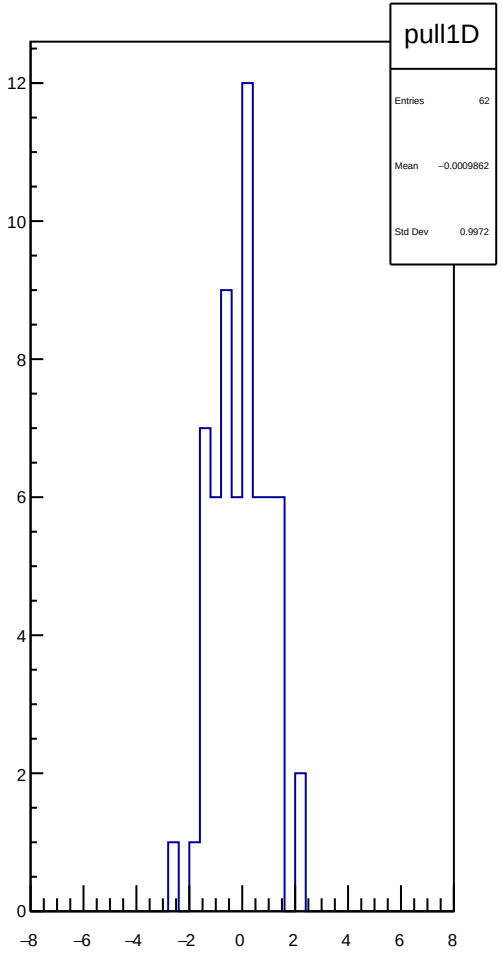

asym_usr_rms vs run
χ² / ndf 1.046e+04 / 61
p0 1945 ± 1.792
2500
2400
2300
2200
2100
2000
1900
1800
1700

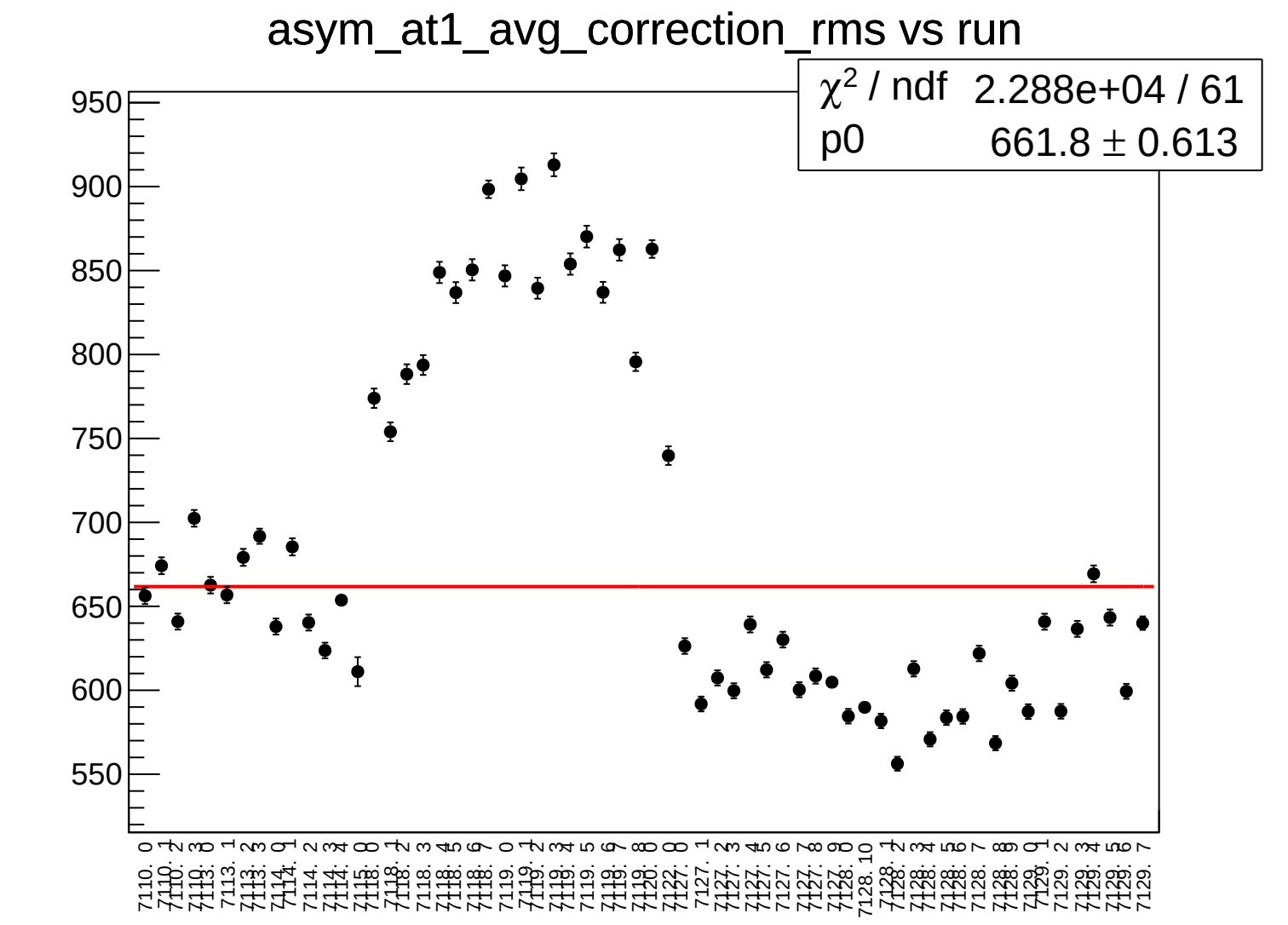

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 81.04 / 61
p0 2250 ± 2388
100
50
0
−50
−100
pull
Entries 62
Mean −162.4
Std Dev 186.4
3
2
1
0
−1
−2
−3

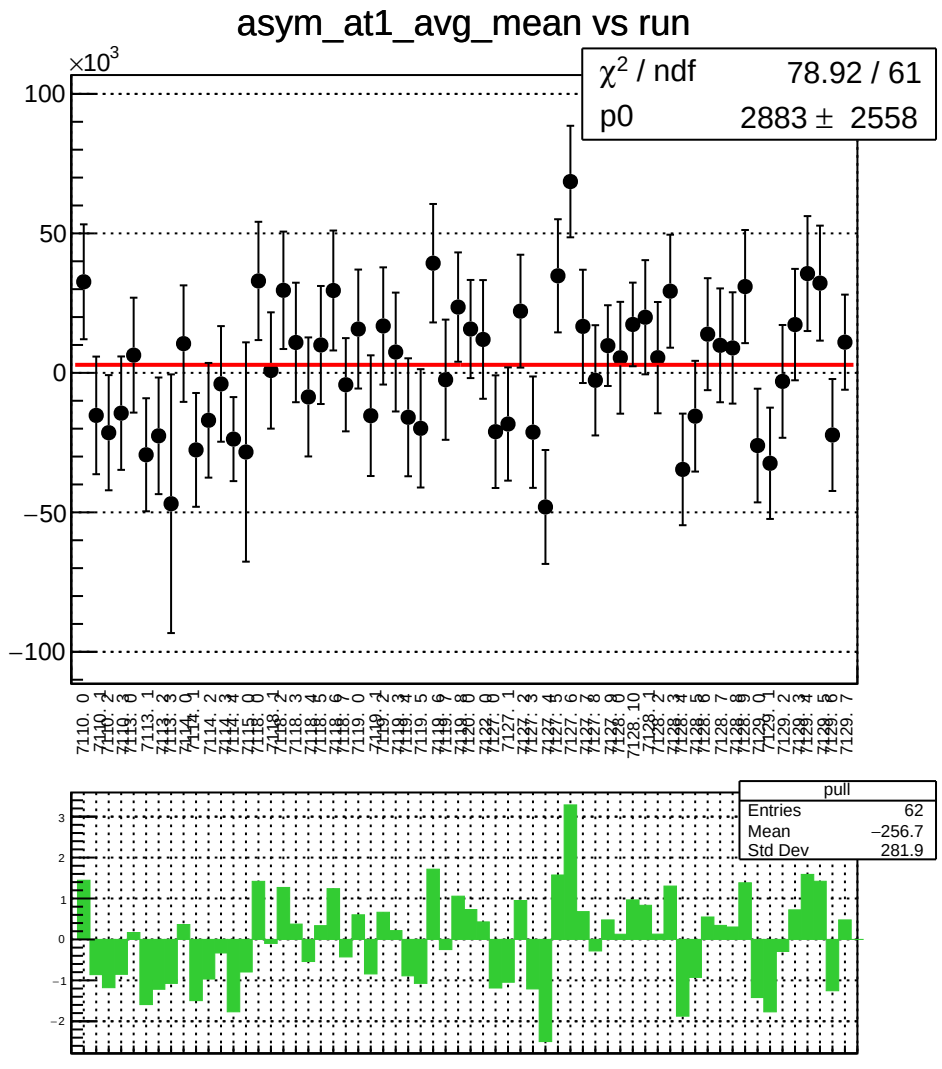

pull1D
Entries 62
Mean −0.01751
Std Dev 1.143
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

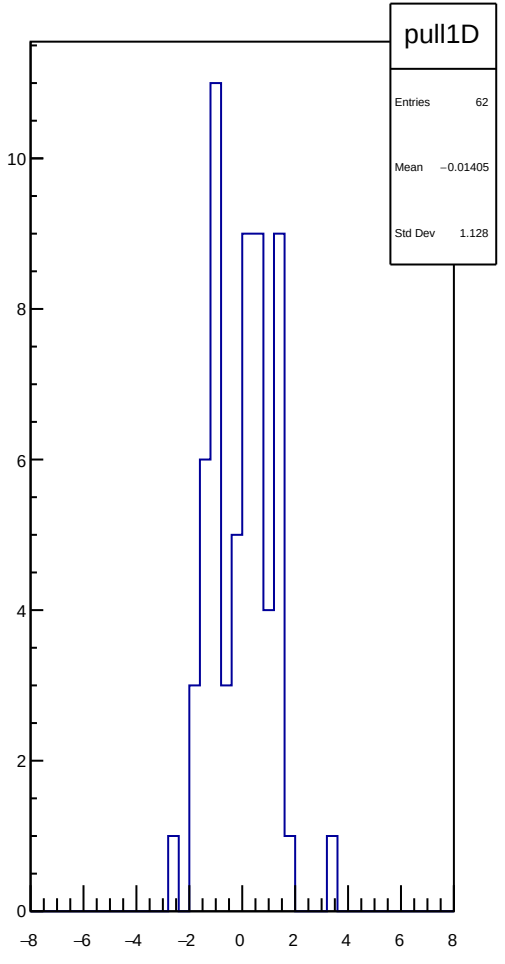

dit_asym_at1_avg_rms vs run
χ^2 / ndf 9435 / 61
p0 1834 ± 1.689
5000
4500
4000
3500
3000
2500
2000
1500
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 8
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

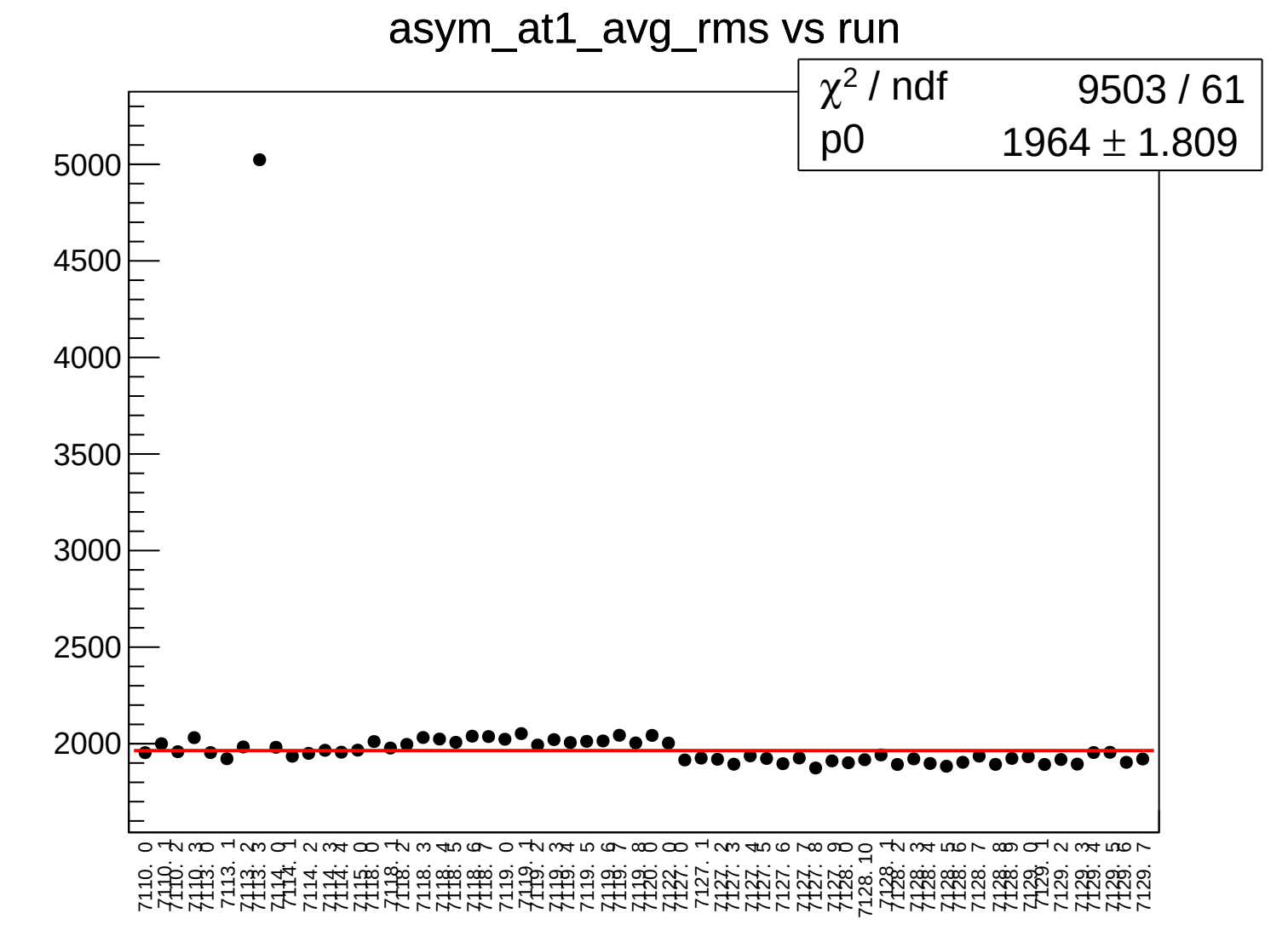

asym_at1_avg_correction_mean vs run
χ² / ndf 61.65 / 61
p0 −710.6 ± 866.8
pull
Entries 62
Mean 2378
Std Dev 2348

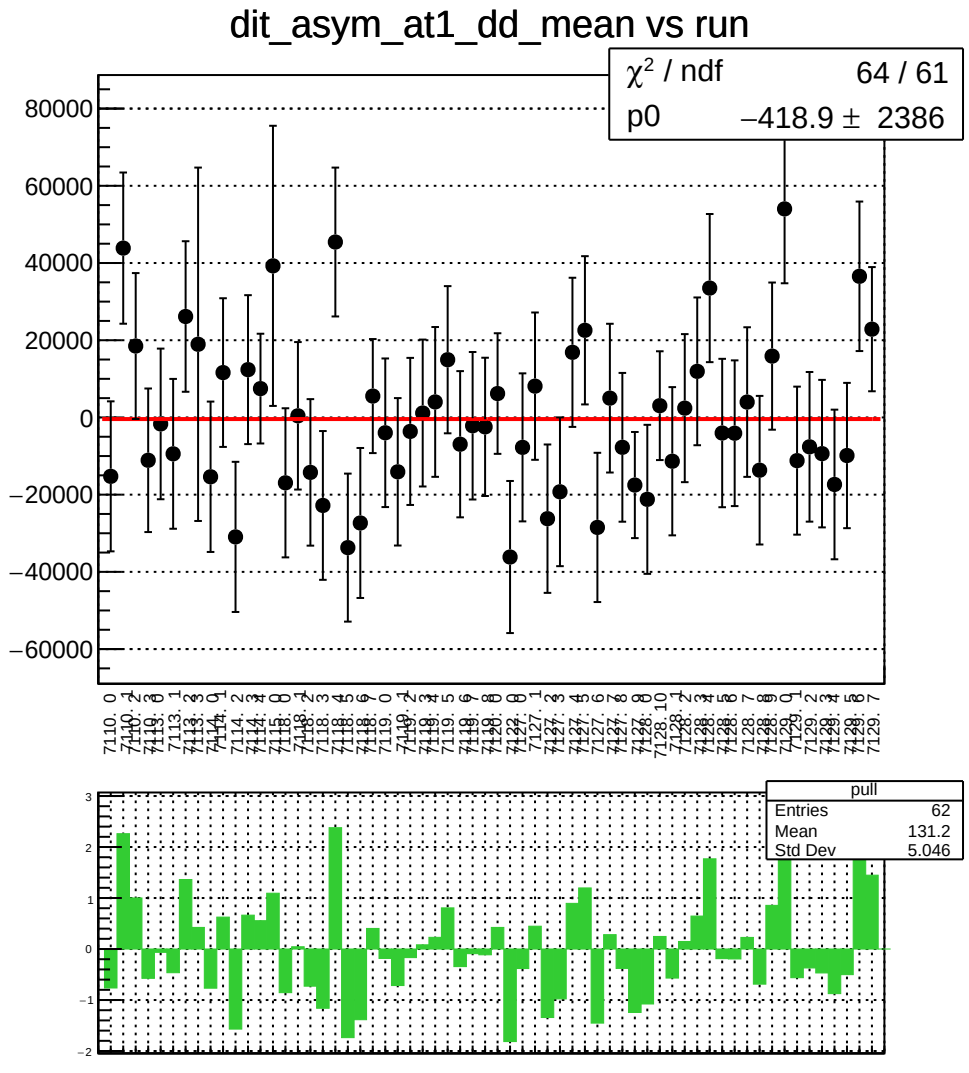

pull1D
Entries 62
Mean −0.0009862
Std Dev 0.9972

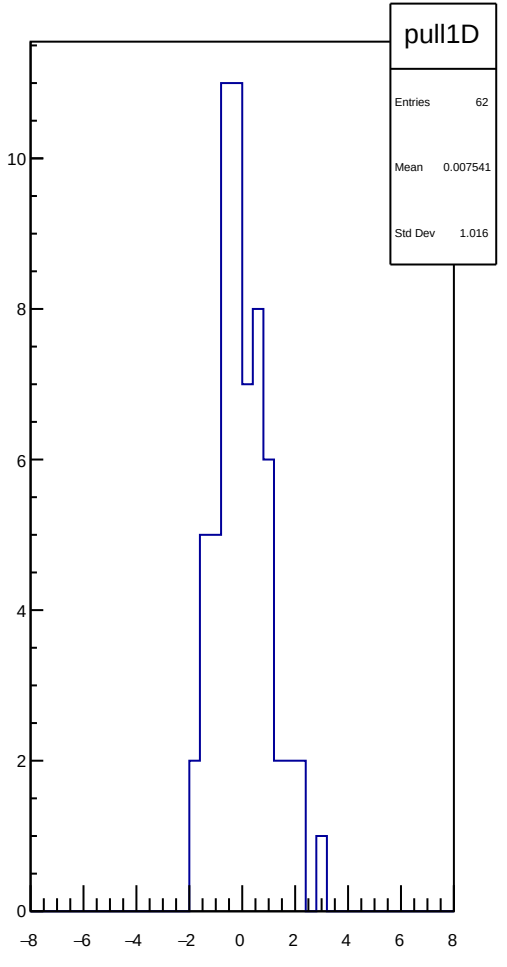

asym_at1_avg_correction_rms vs run
χ^2 / ndf 2.288e+04 / 61
p0 661.8 ± 0.613
950
900
850
800
750
700
650
600
550

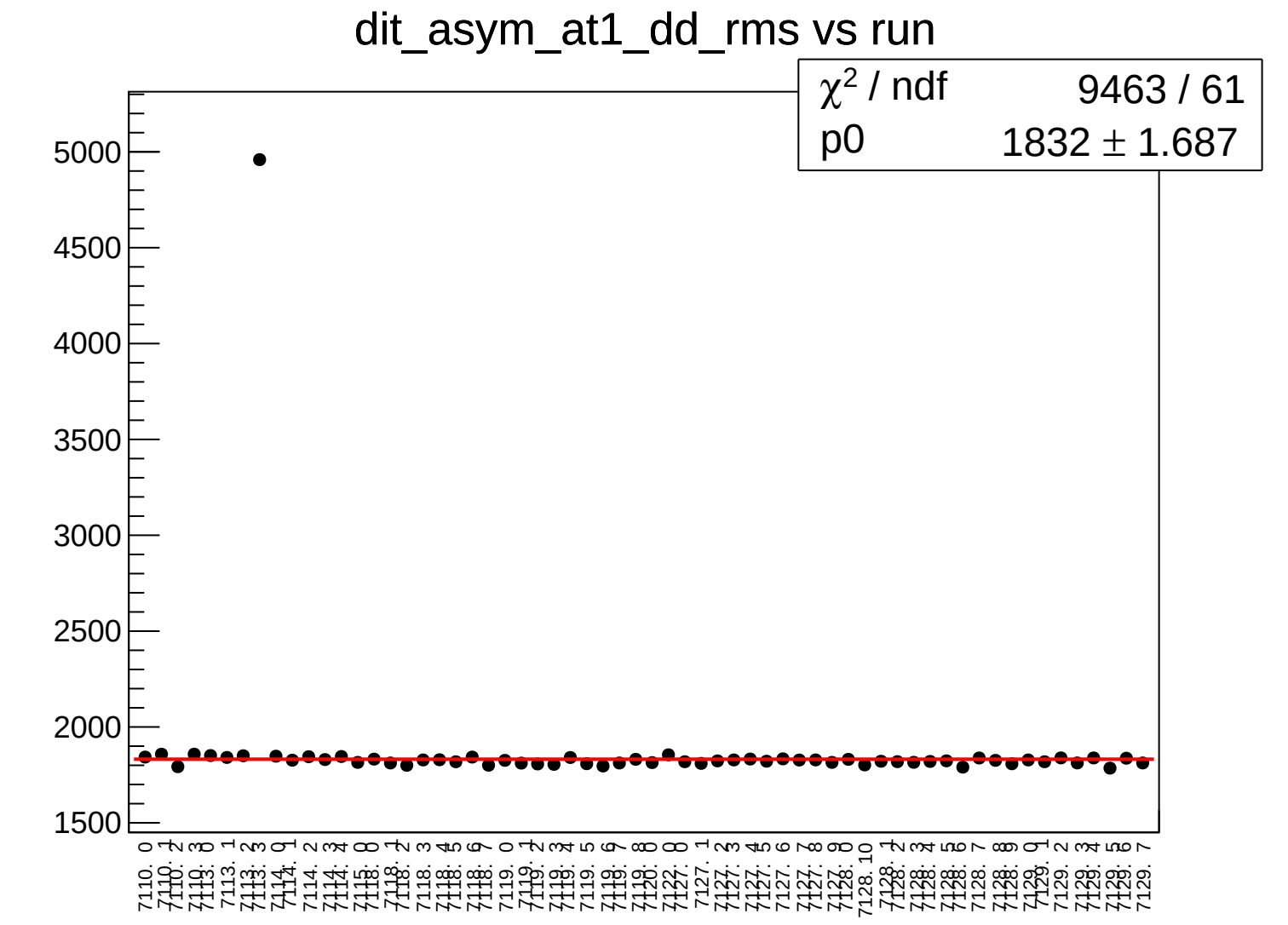

asym_at1_avg_mean vs run
×10^3
χ² / ndf 78.92 / 61
p0 2883 ± 2558
100
50
0
−50
−100
pull
Entries 62
Mean −256.7
Std Dev 281.9
3
2
1
0
−1
−2

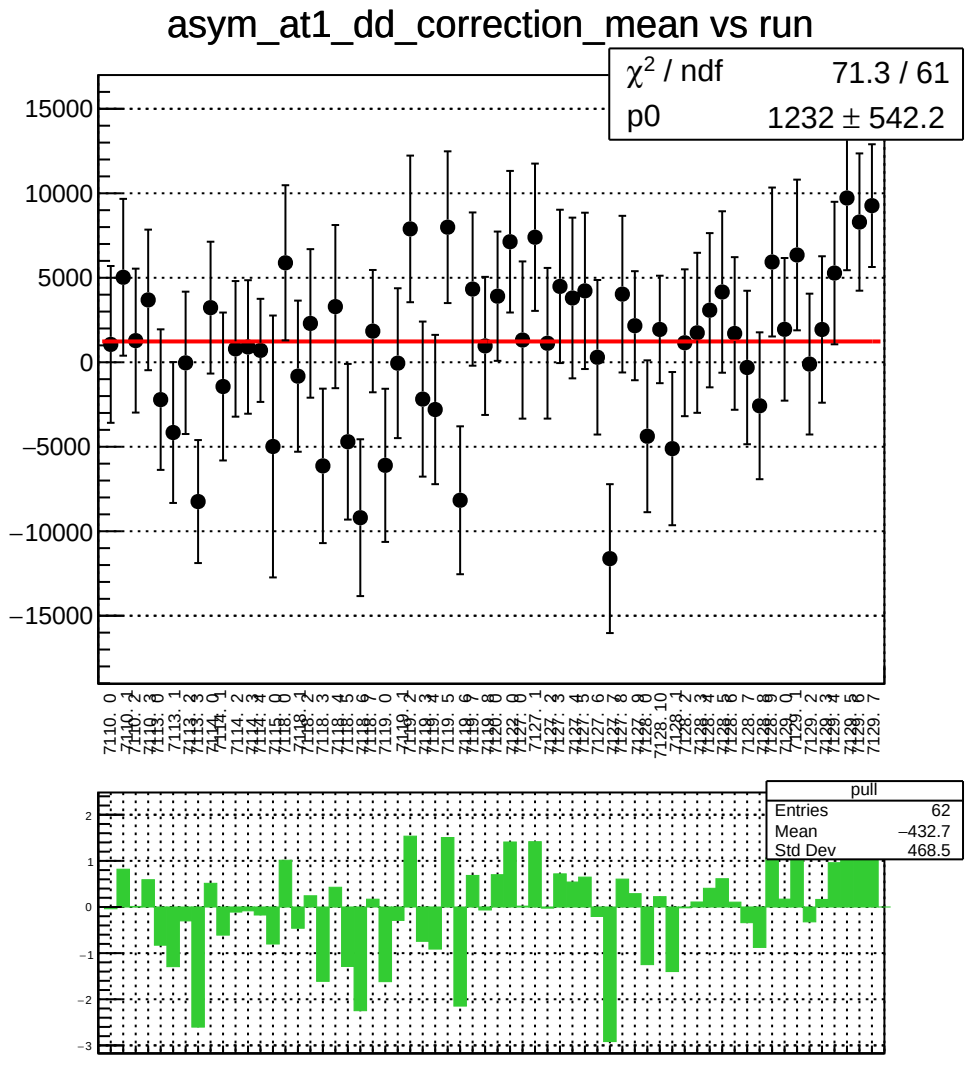

pull1D
Entries 62
Mean −0.01405
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

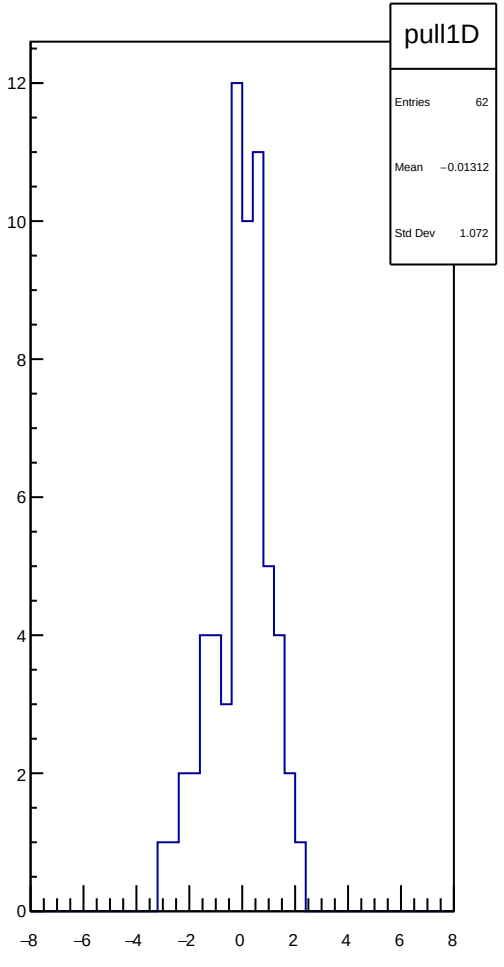

asym_at1_avg_rms vs run
χ^2 / ndf 9503 / 61
p0 1964 ± 1.809
5000
4500
4000
3500
3000
2500
2000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 8
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

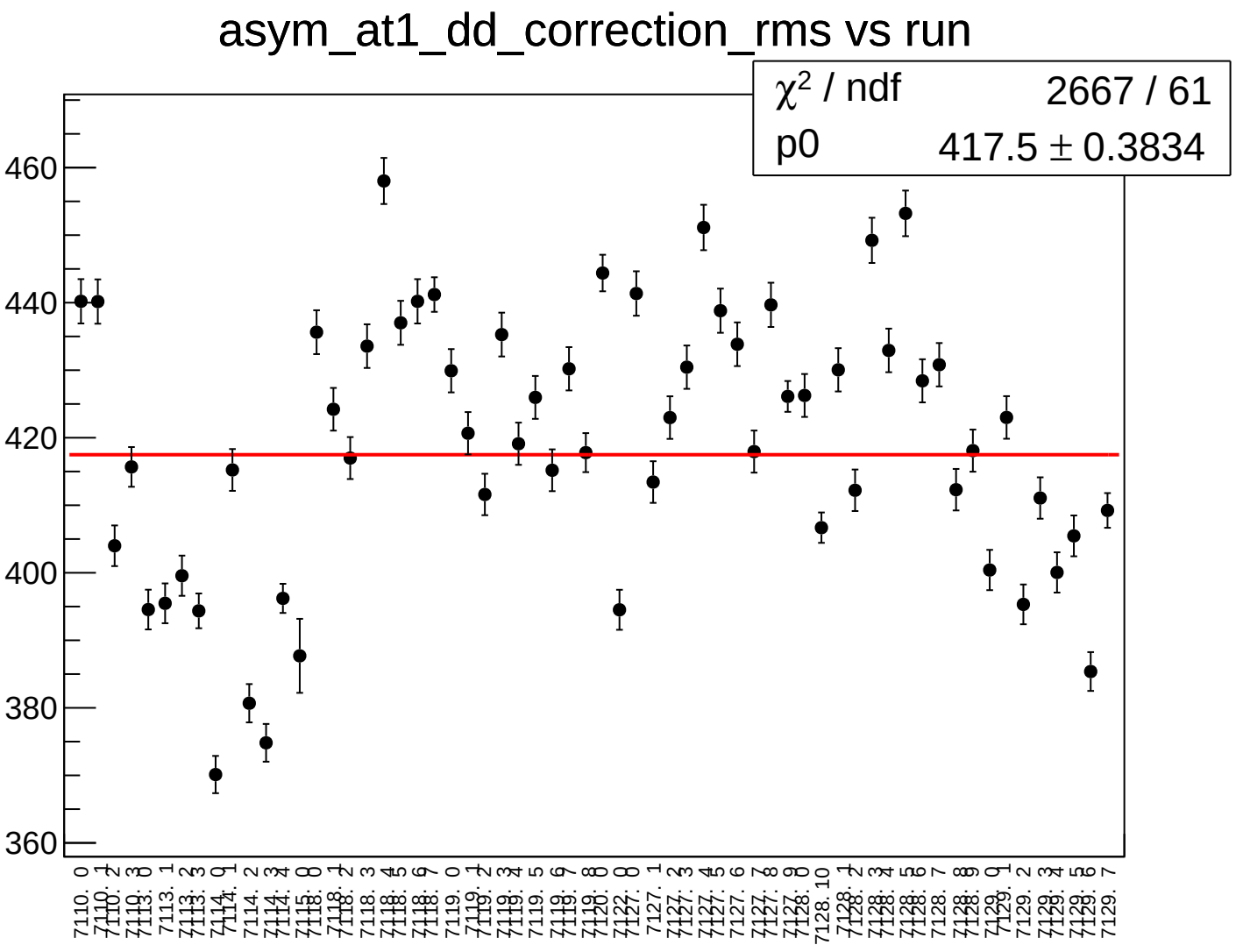

dit_asym_at1_dd_mean vs run
χ² / ndf 64 / 61
p0 −418.9 ± 2386
pull
Entries 62
Mean 131.2
Std Dev 5.046

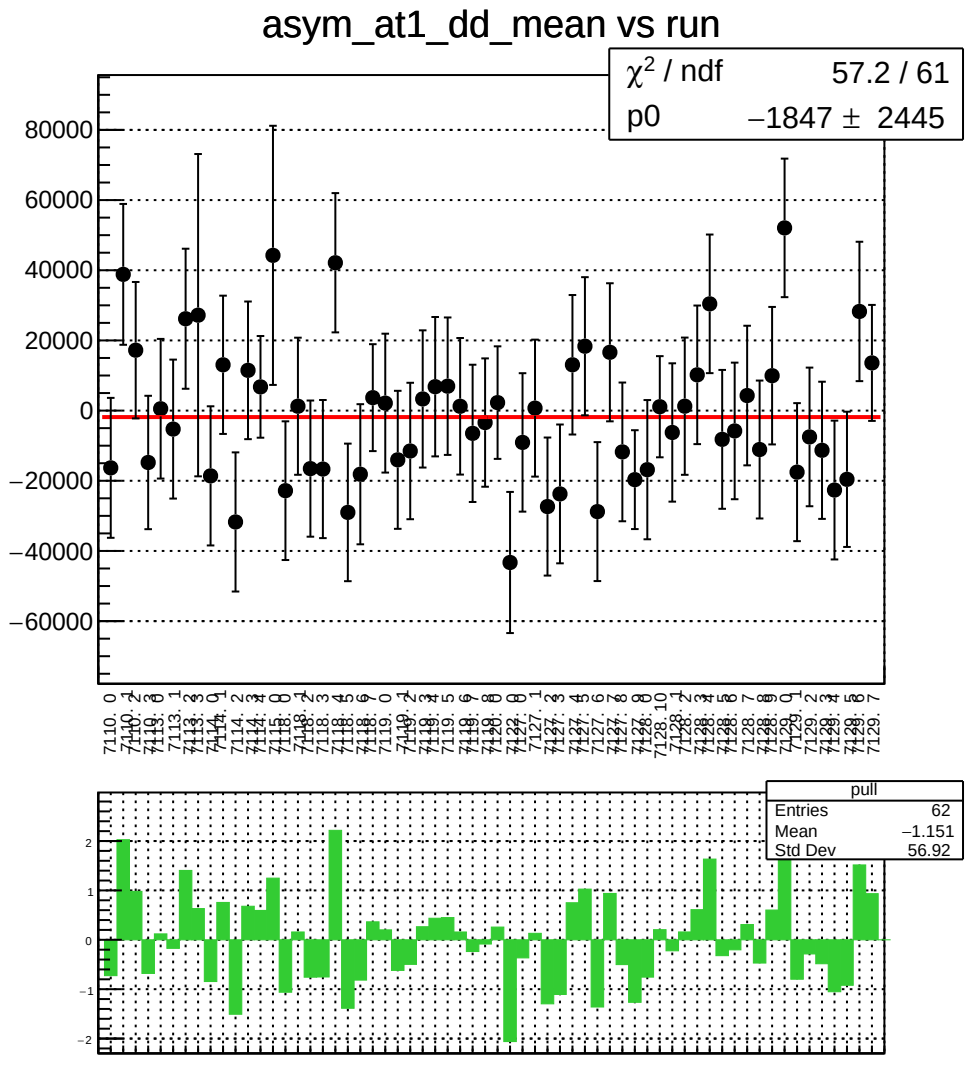

pull1D
Entries 62
Mean 0.007541
Std Dev 1.016

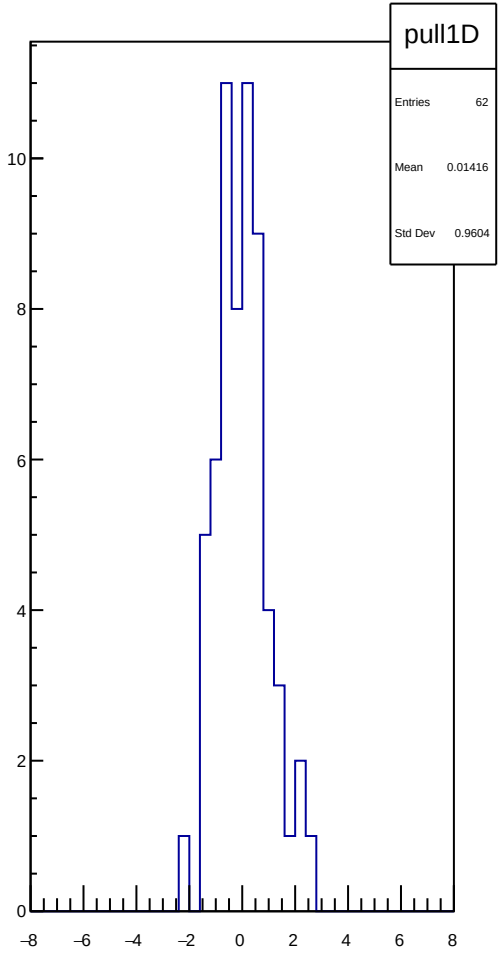

dit_asym_at1_dd_rms vs run
χ^2 / ndf 9463 / 61
p0 1832 ± 1.687
5000
4500
4000
3500
3000
2500
2000
1500
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

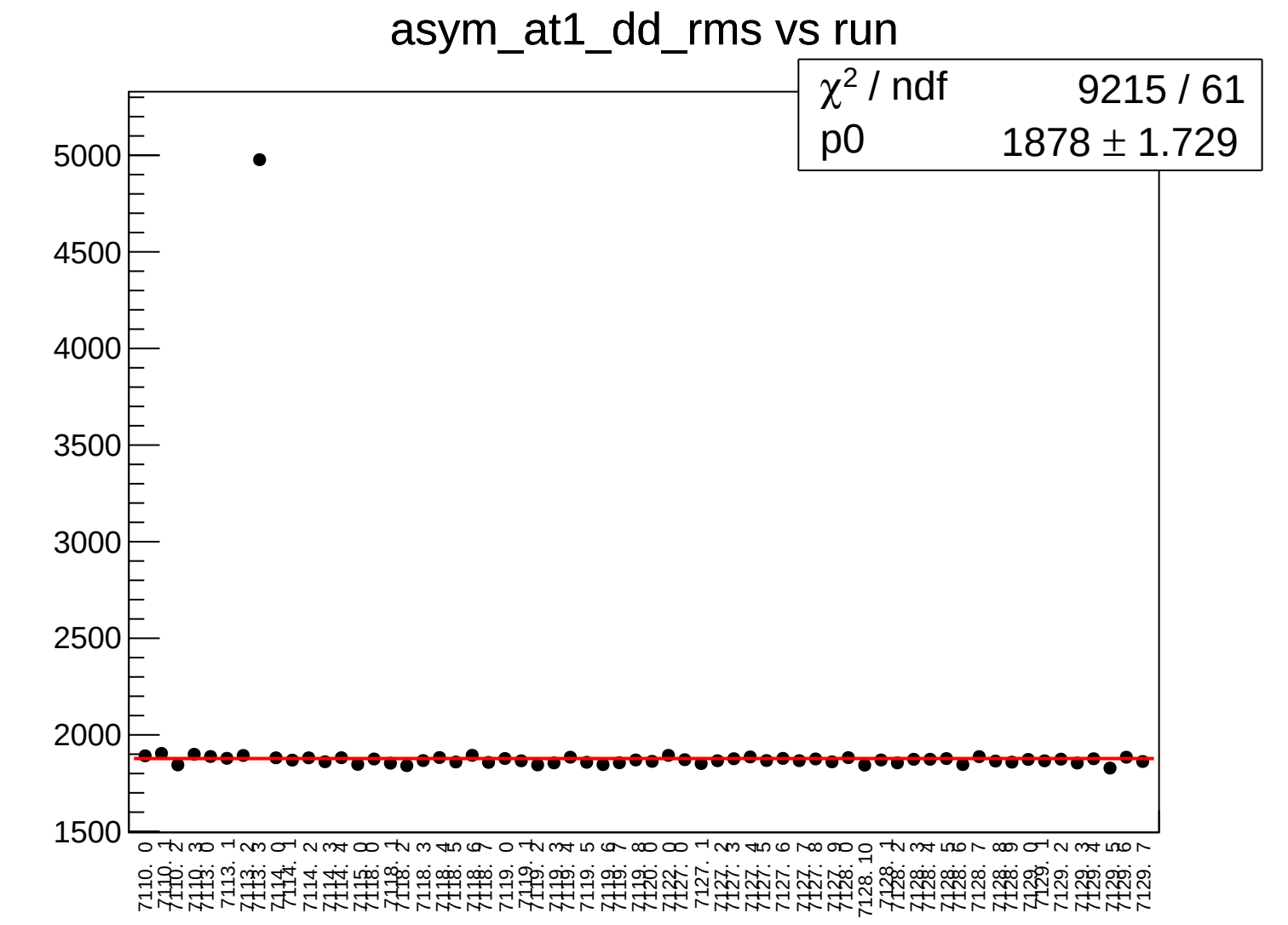

asym_at1_dd_correction_mean vs run
χ² / ndf 71.3 / 61
p0 1232 ± 542.2
pull
Entries 62
Mean −432.7
Std Dev 468.5

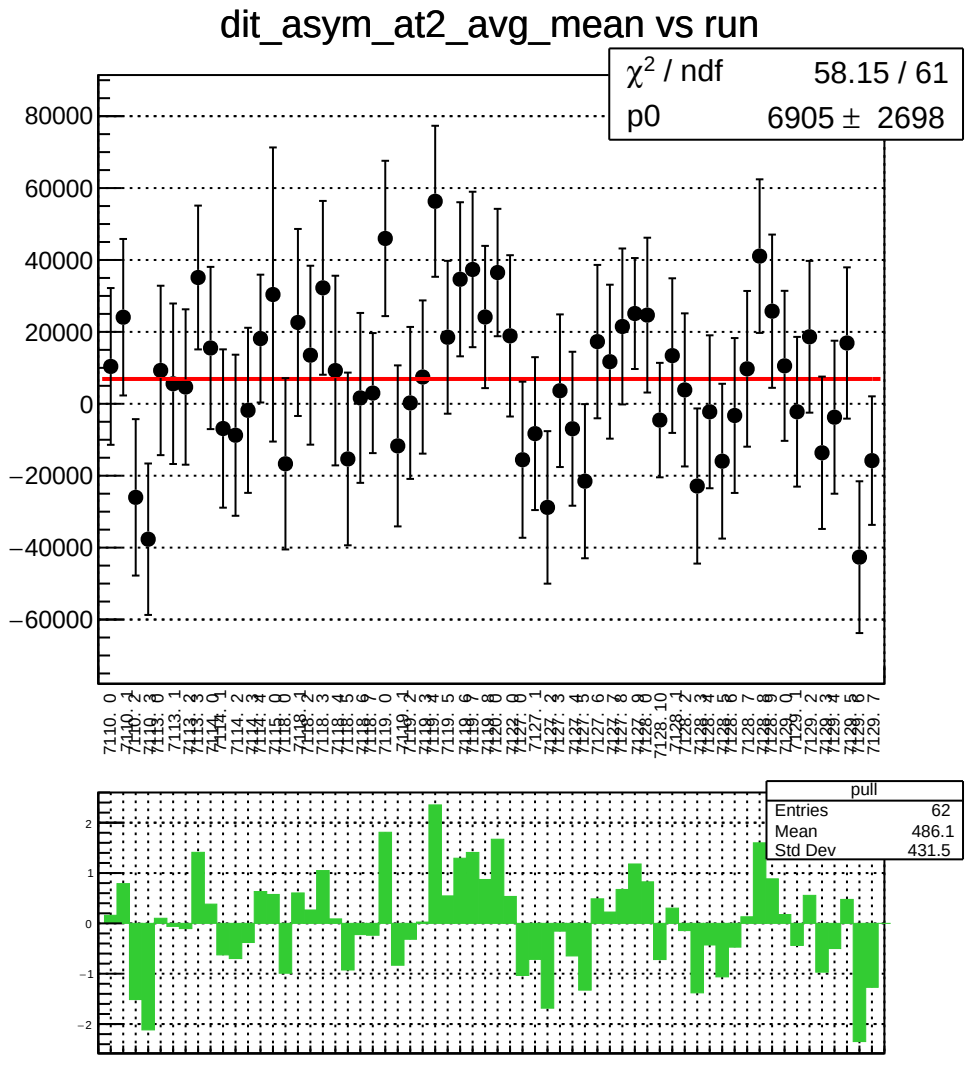

pull1D
Entries 62
Mean −0.01312
Std Dev 1.072

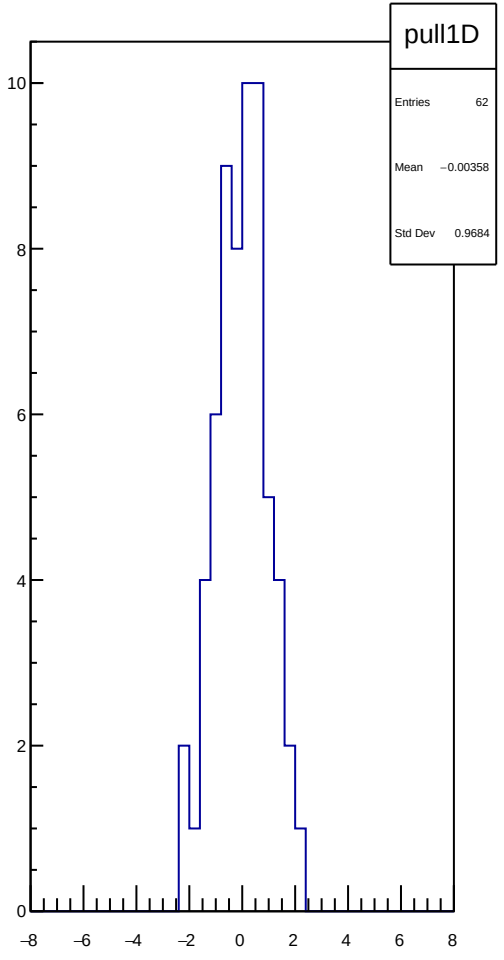

asym_at1_dd_correction_rms vs run
χ² / ndf 2667 / 61
p0 417.5 ± 0.3834
460
440
420
400
380
360

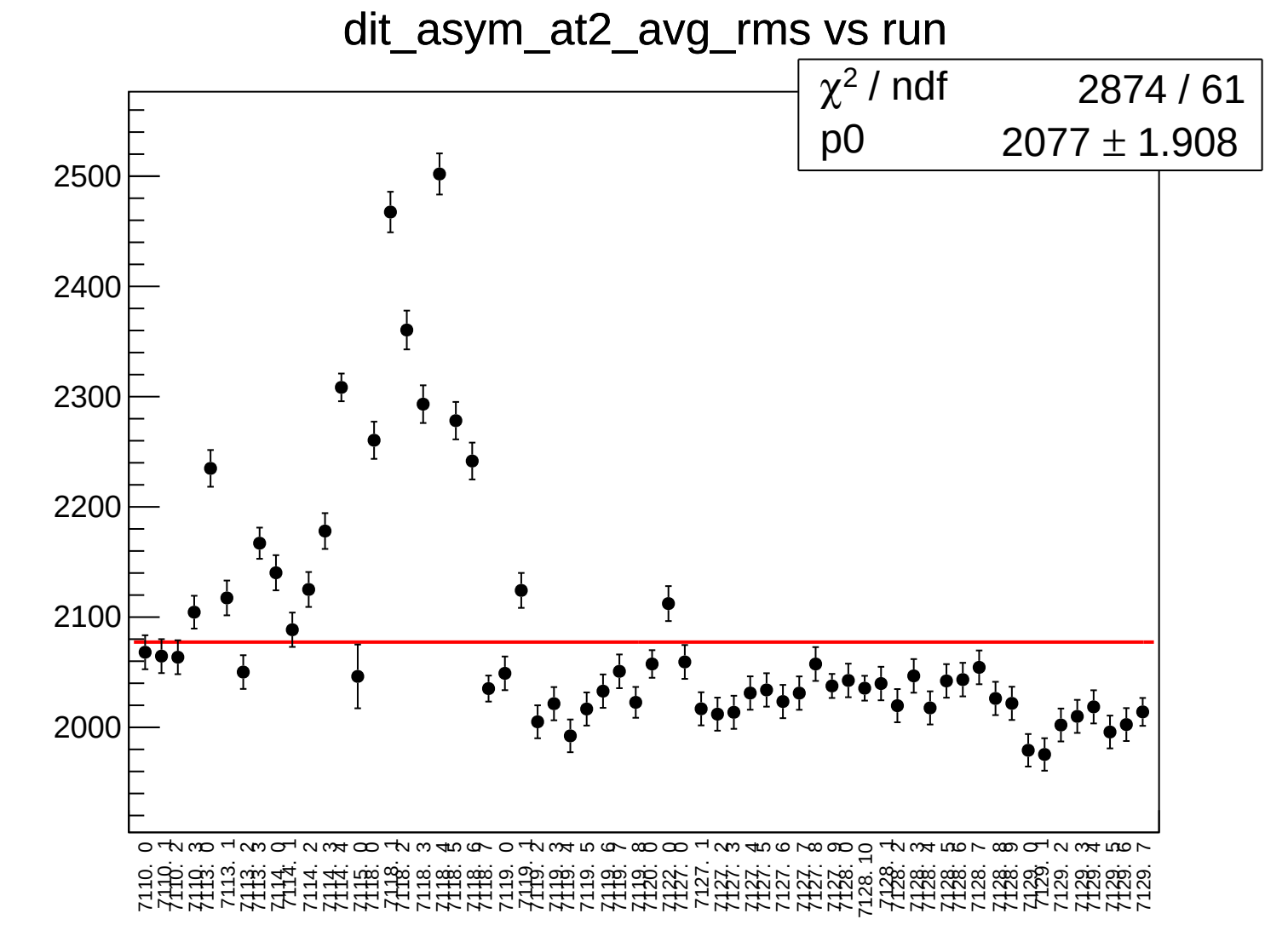

asym_at1_dd_mean vs run
χ² / ndf 57.2 / 61
p0 −1847 ± 2445
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 62
Mean −1.151
Std Dev 56.92
2
1
0
−1
−2

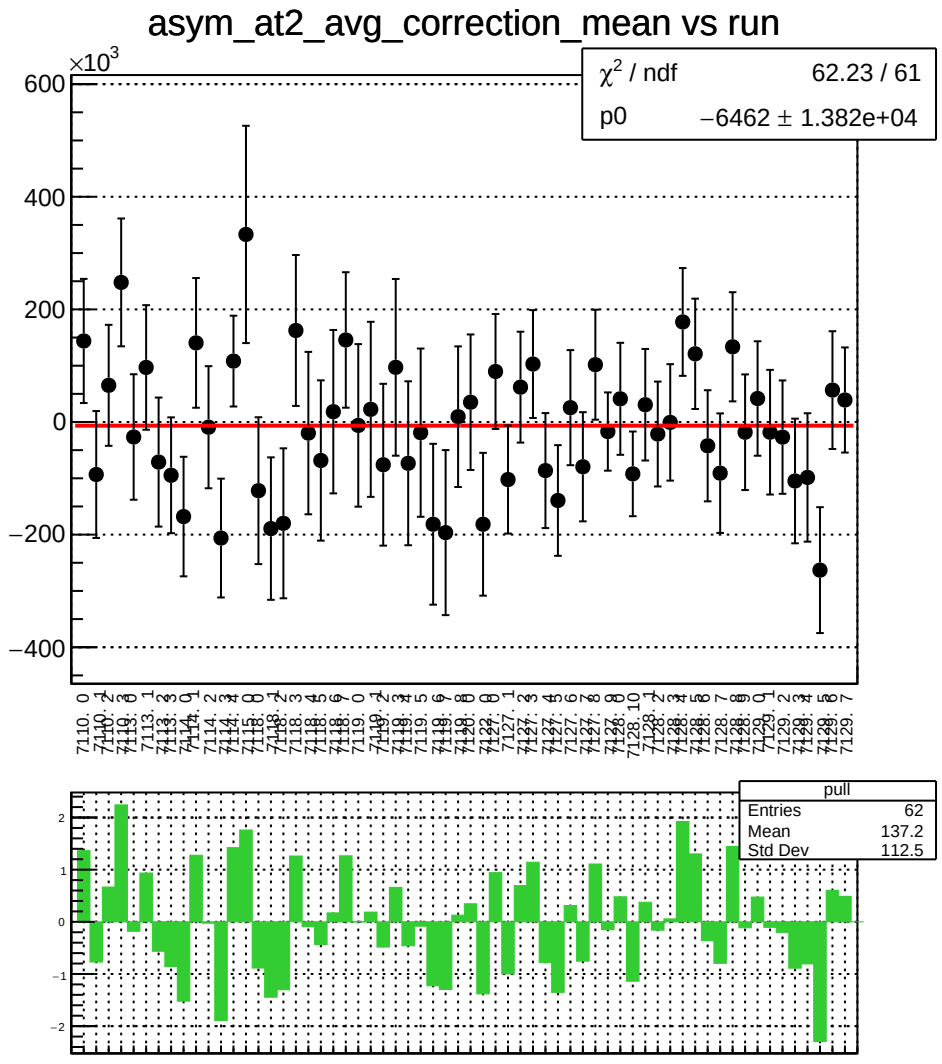

pull1D
Entries 62
Mean 0.01416
Std Dev 0.9604
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

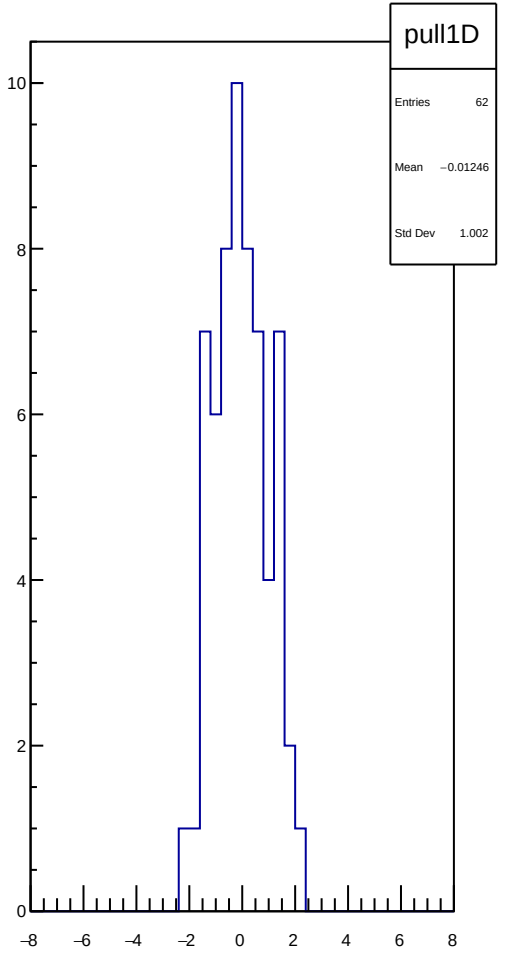

asym_at1_dd_rms vs run
χ^2 / ndf 9215 / 61
p0 1878 ± 1.729
5000
4500
4000
3500
3000
2500
2000
1500

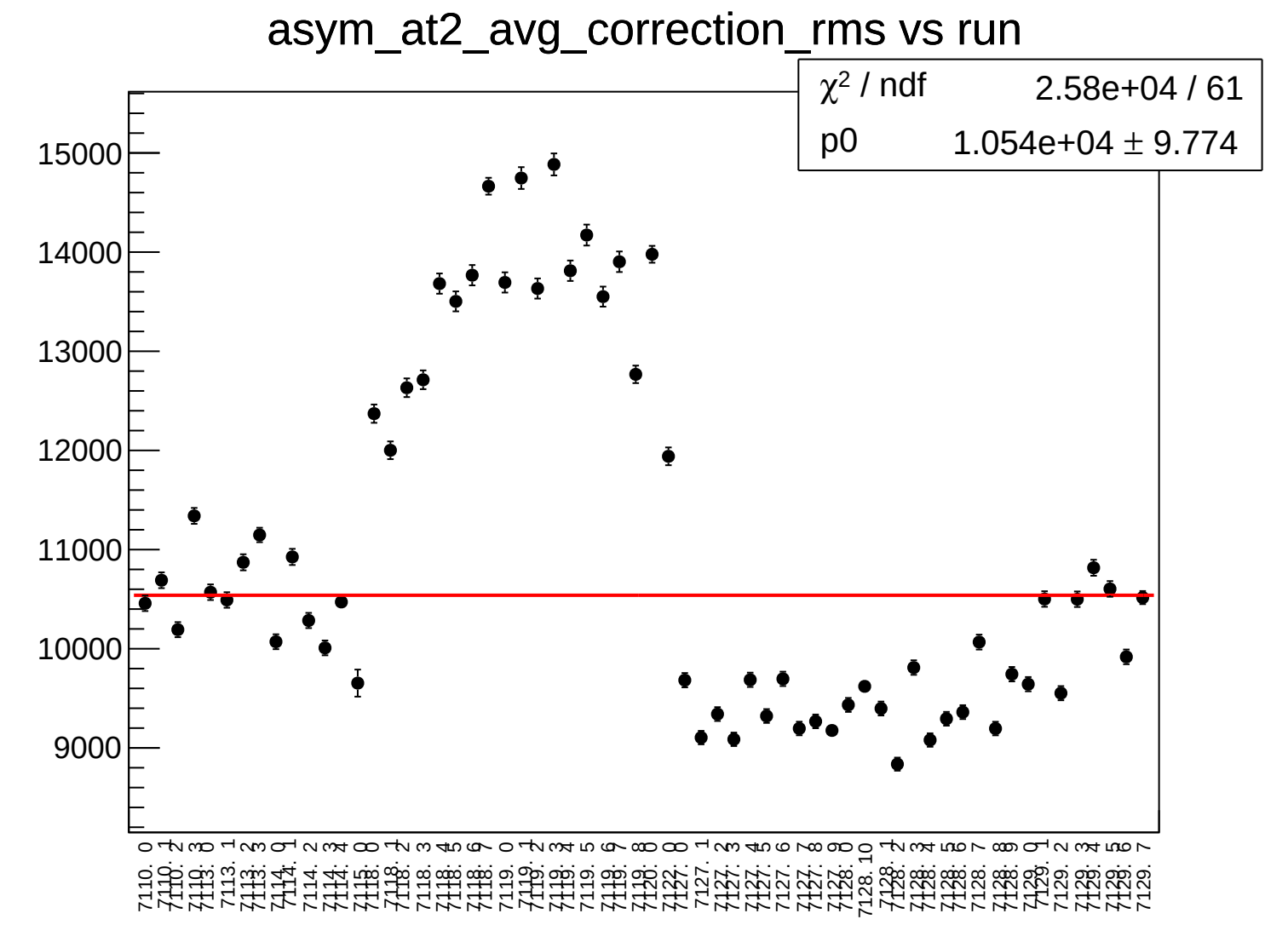

dit_asym_at2_avg_mean vs run
χ² / ndf 58.15 / 61
p0 6905 ± 2698
pull
Entries 62
Mean 486.1
Std Dev 431.5

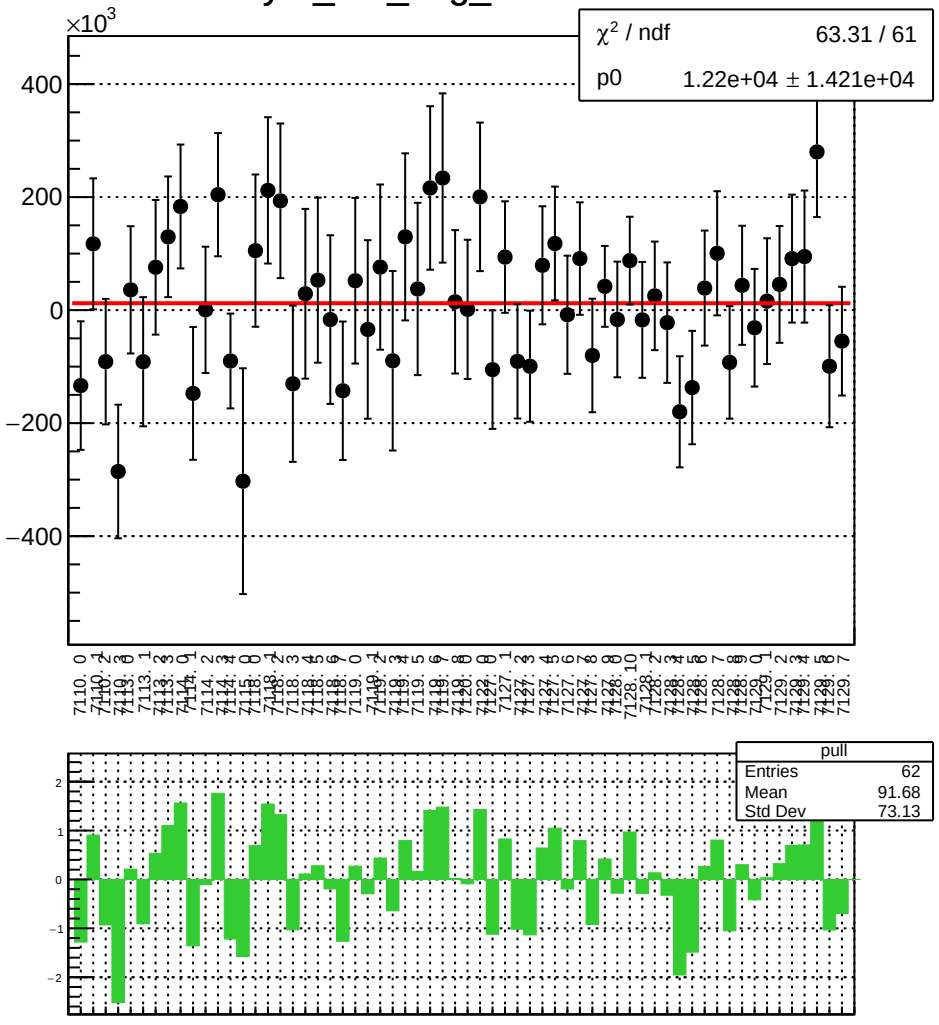

pull1D
Entries 62
Mean −0.00358
Std Dev 0.9684

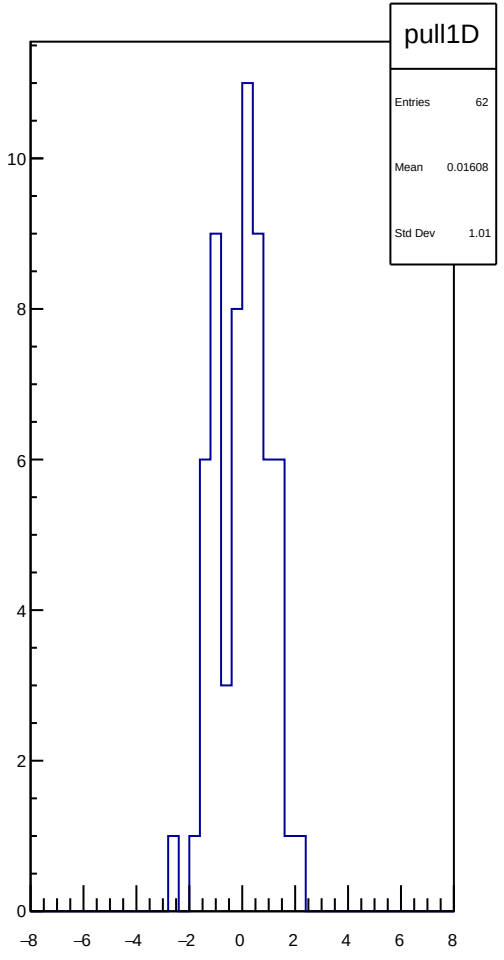

dit_asym_at2_avg_rms vs run
χ² / ndf 2874 / 61
p0 2077 ± 1.908
2500
2400
2300
2200
2100
2000

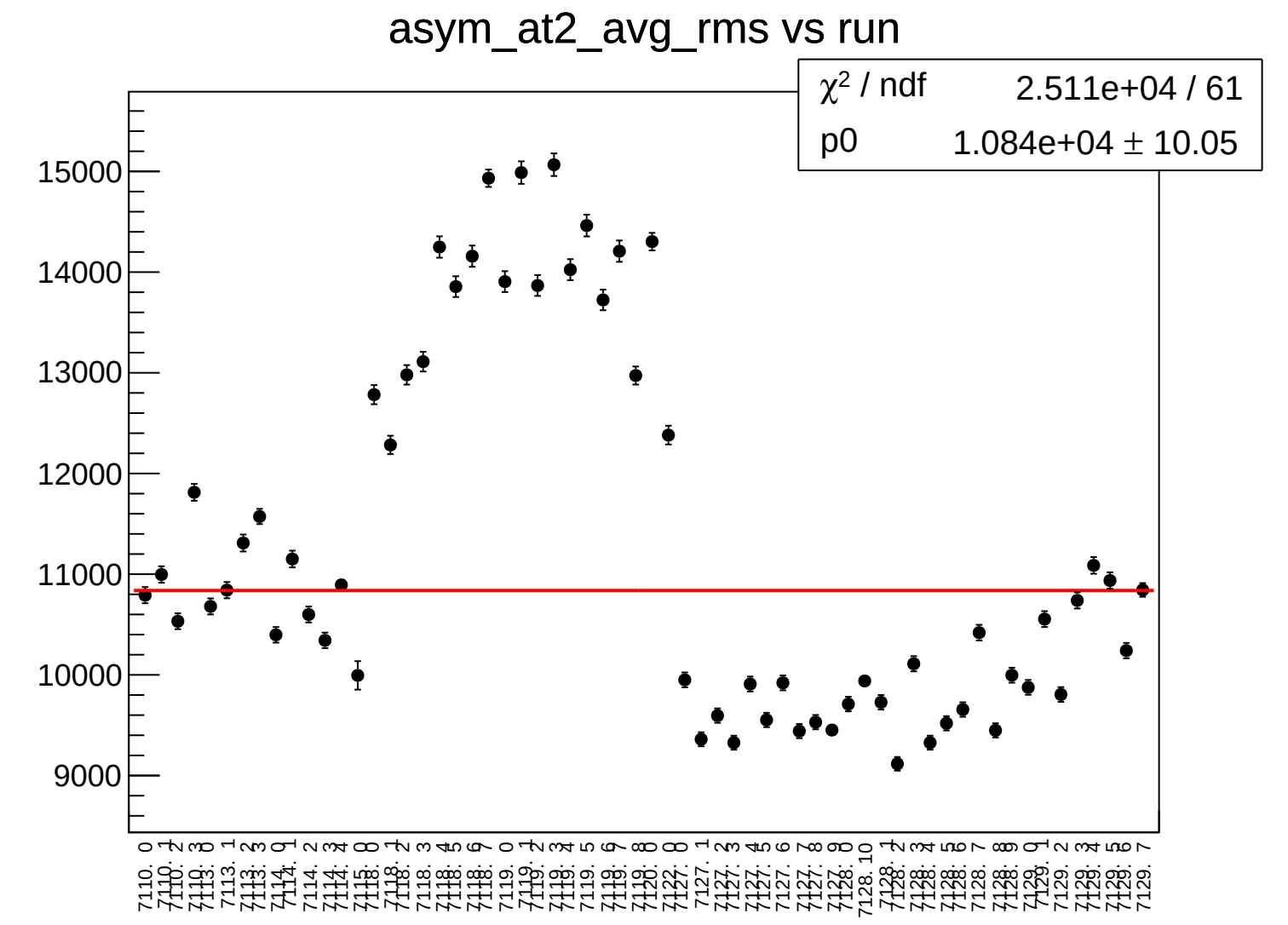

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 62.23 / 61
p0 −6462 ± 1.382e+04
pull
Entries 62
Mean 137.2
Std Dev 112.5

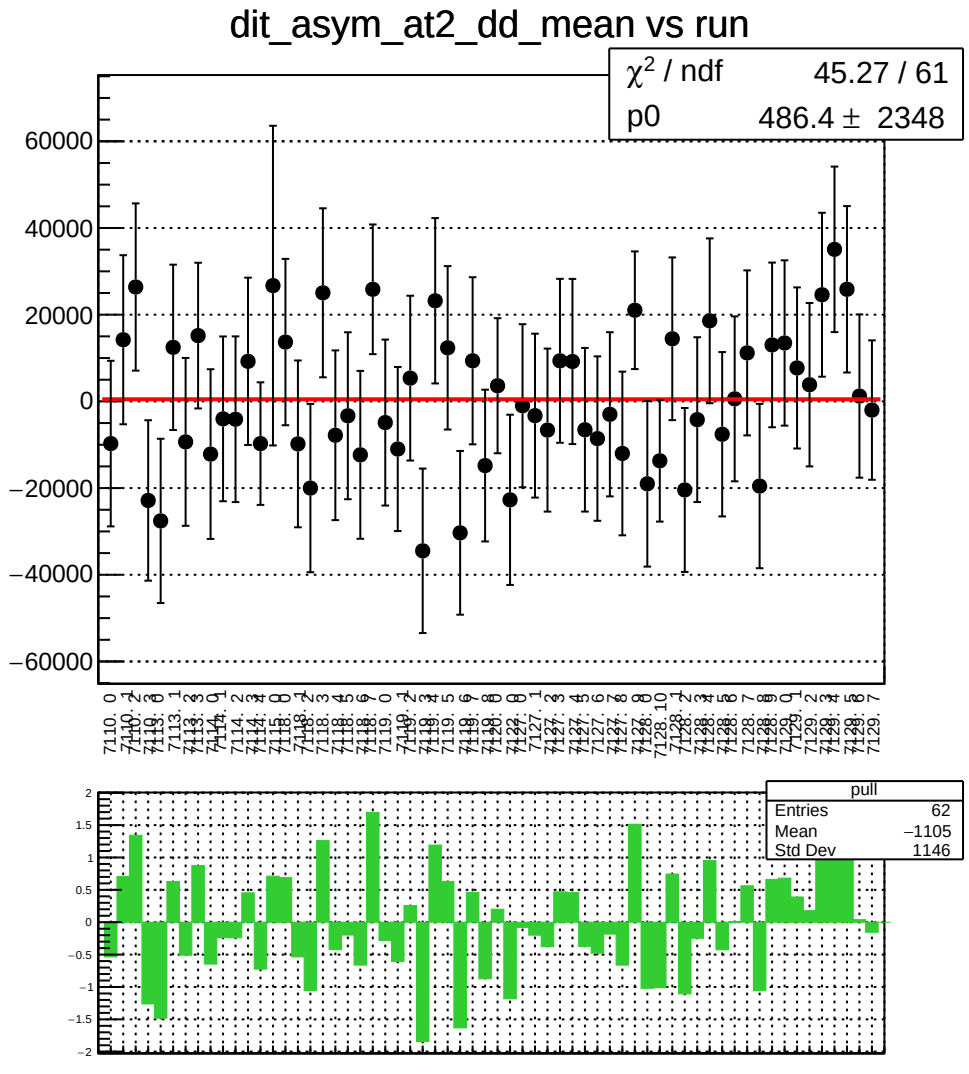

pull1D
Entries 62
Mean −0.01246
Std Dev 1.002

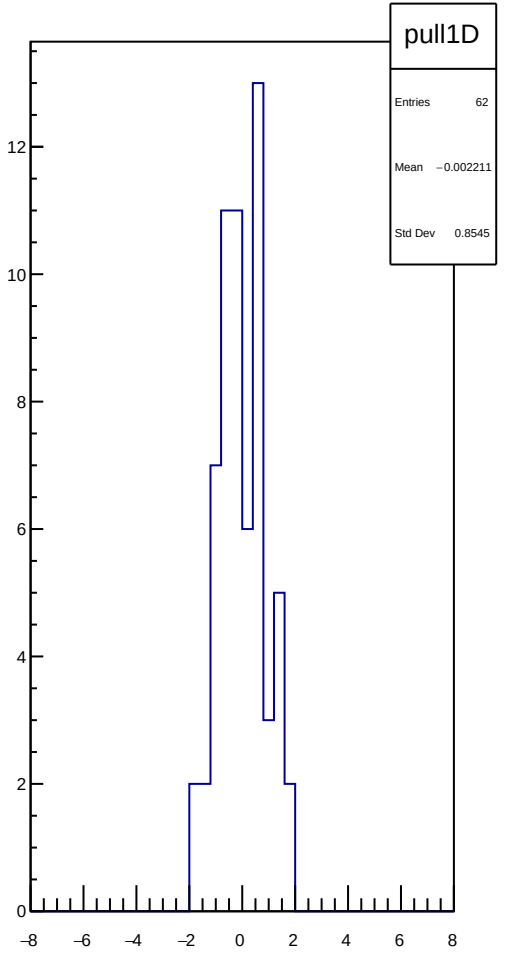

asym_at2_avg_correction_rms vs run
χ² / ndf 2.58e+04 / 61
p0 1.054e+04 ± 9.774
15000
14000
13000
12000
11000
10000
9000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

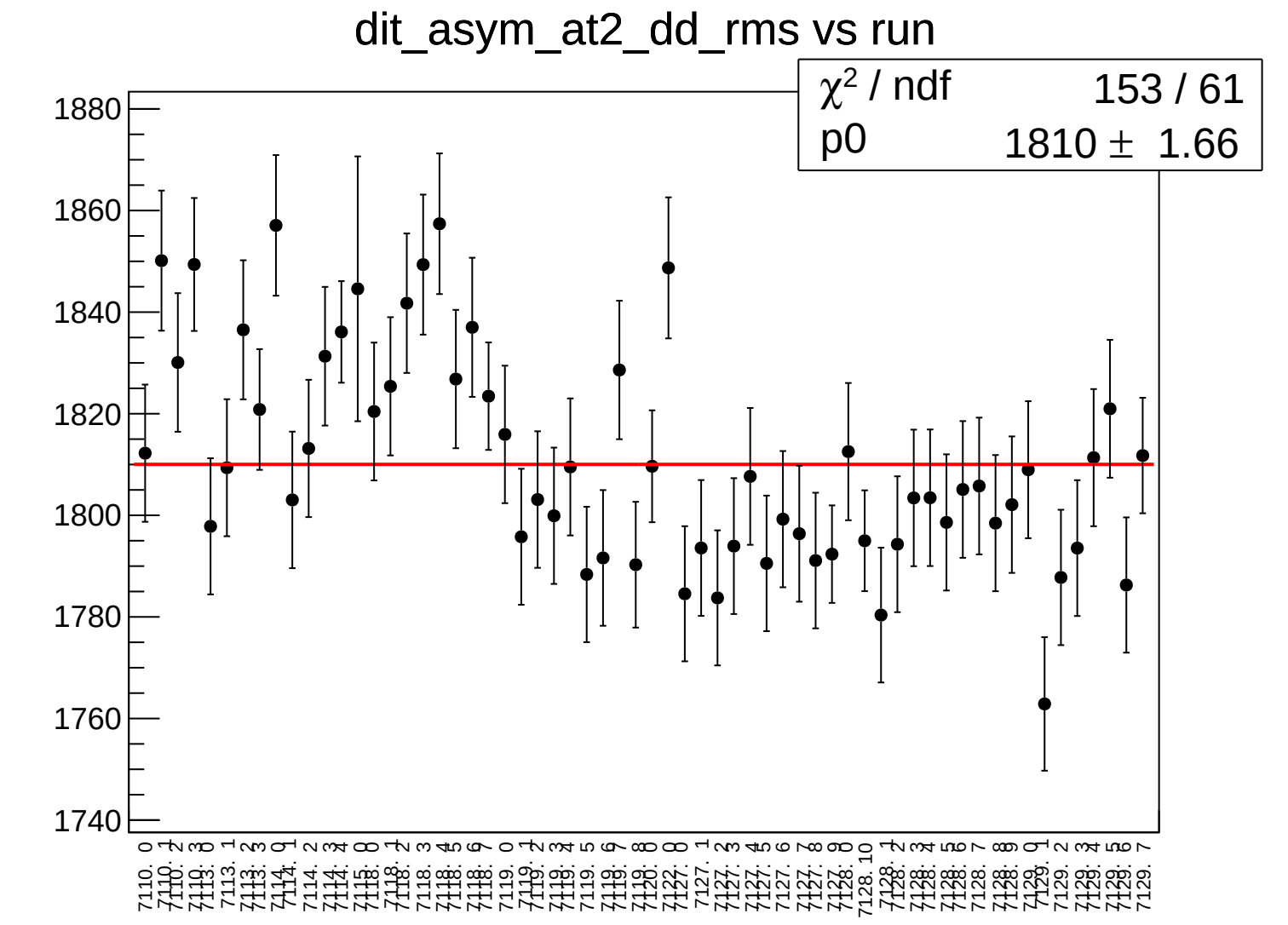

asym_at2_avg_mean vs run
×10^3
χ² / ndf 63.31 / 61
p0 1.22e+04 ± 1.421e+04
pull
Entries 62
Mean 91.68
Std Dev 73.13

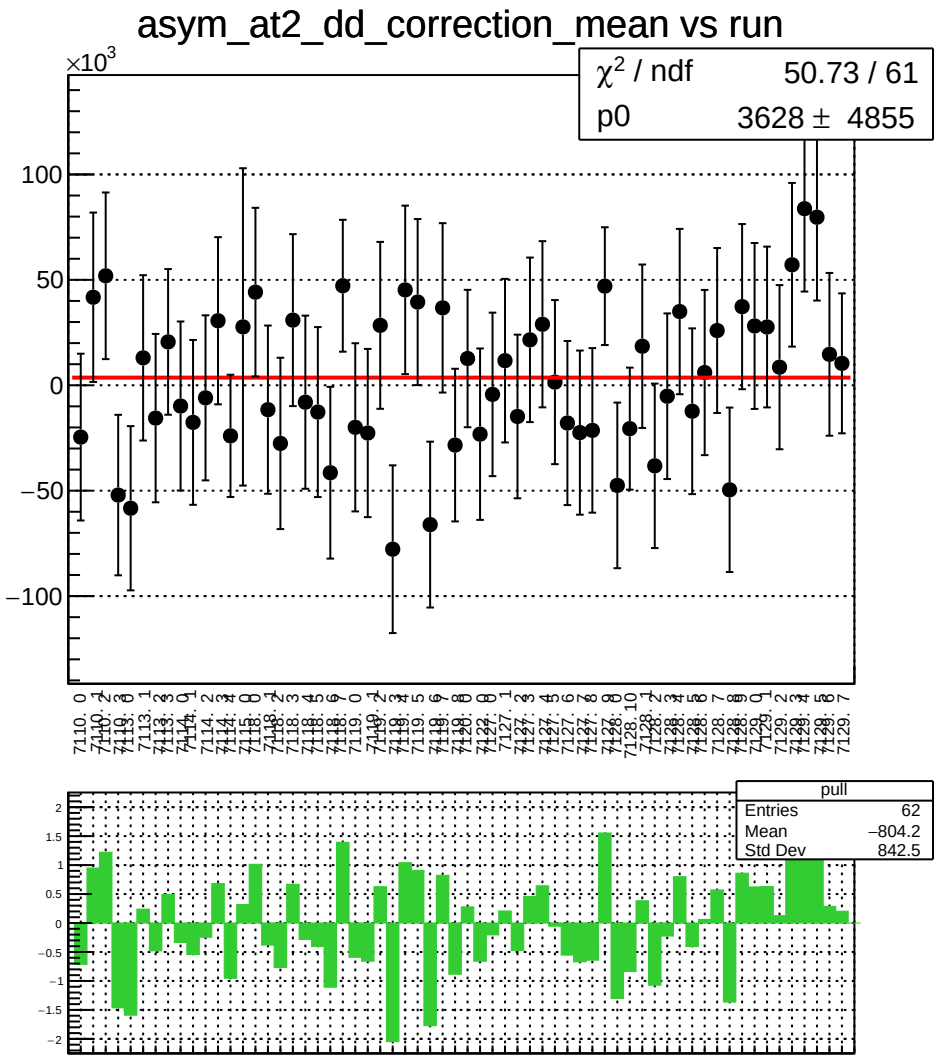

pull1D
Entries 62
Mean 0.01608
Std Dev 1.01

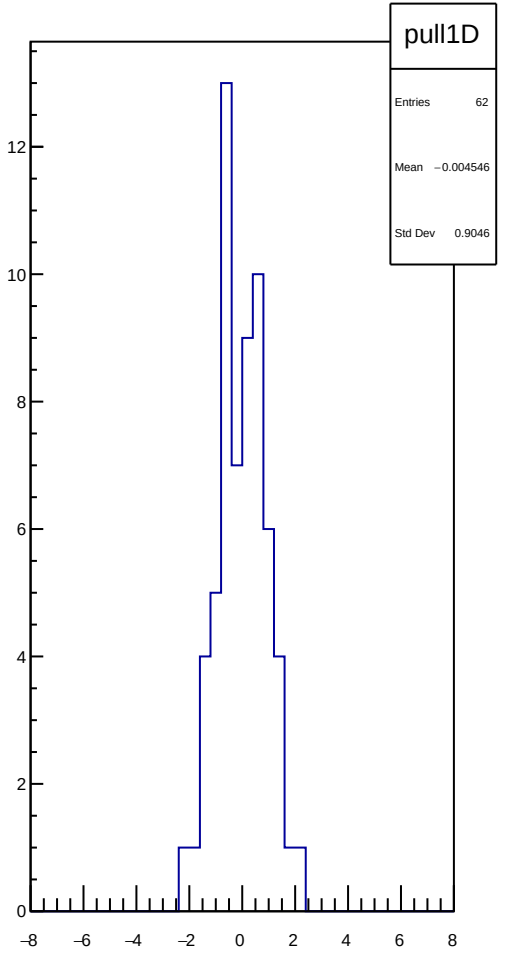

asym_at2_avg_rms vs run
χ² / ndf 2.511e+04 / 61
p0 1.084e+04 ± 10.05
15000
14000
13000
12000
11000
10000
9000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 8
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

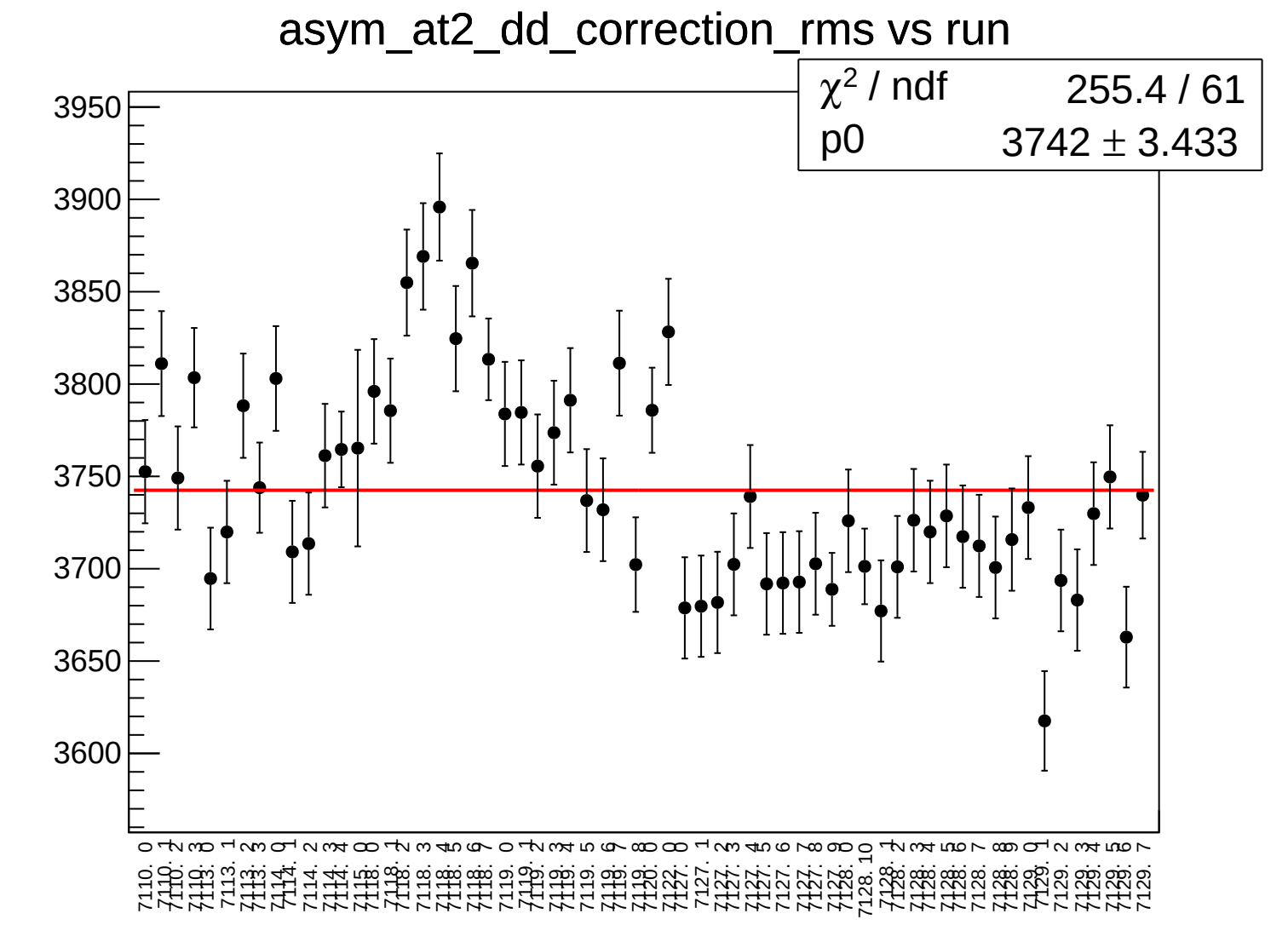

dit_asym_at2_dd_mean vs run
χ² / ndf 45.27 / 61
p0 486.4 ± 2348
pull
Entries 62
Mean −1105
Std Dev 1146

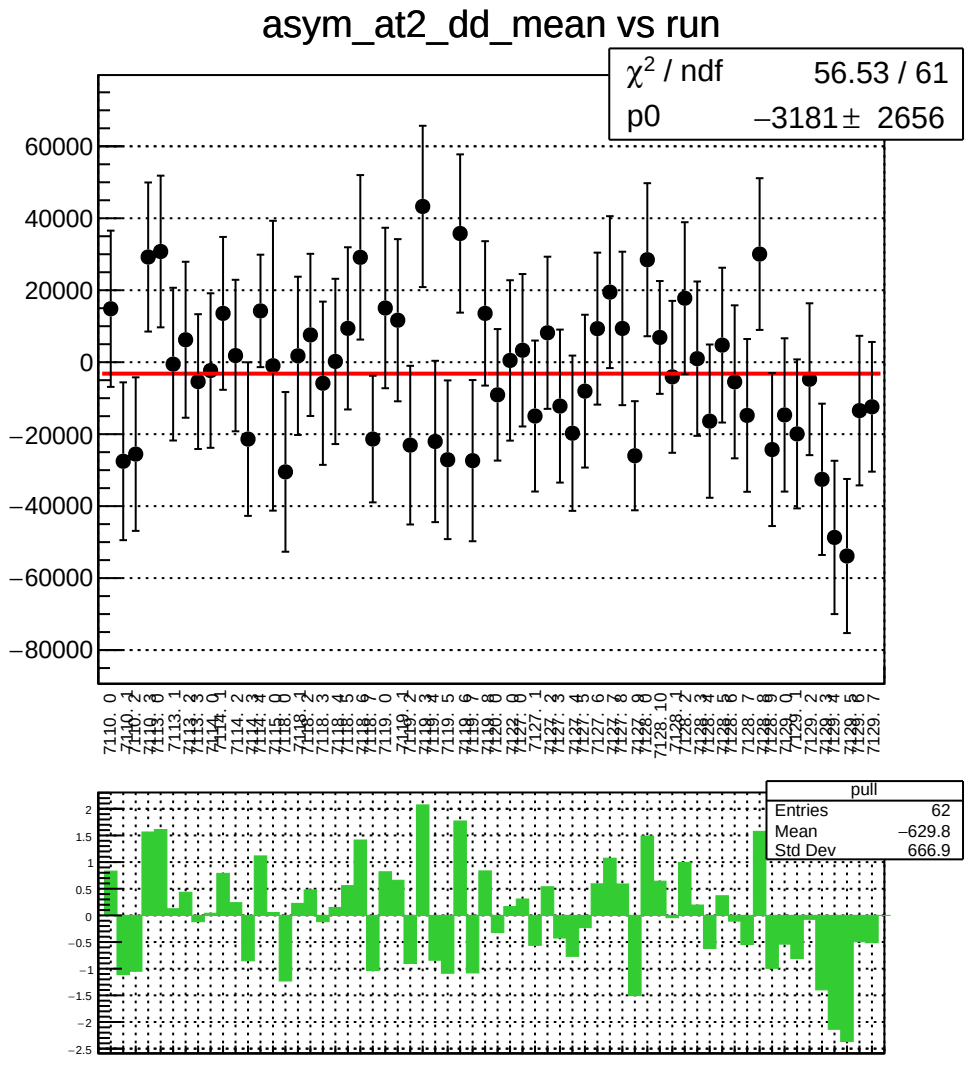

pull1D
Entries 62
Mean −0.002211
Std Dev 0.8545

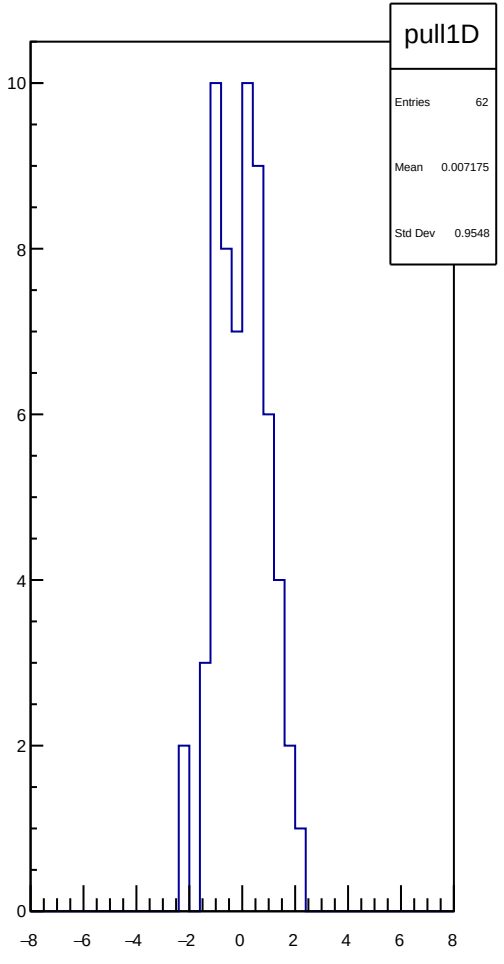

dit_asym_at2_dd_rms vs run
χ² / ndf 153 / 61
p0 1810 ± 1.66
1880
1860
1840
1820
1800
1780
1760
1740
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

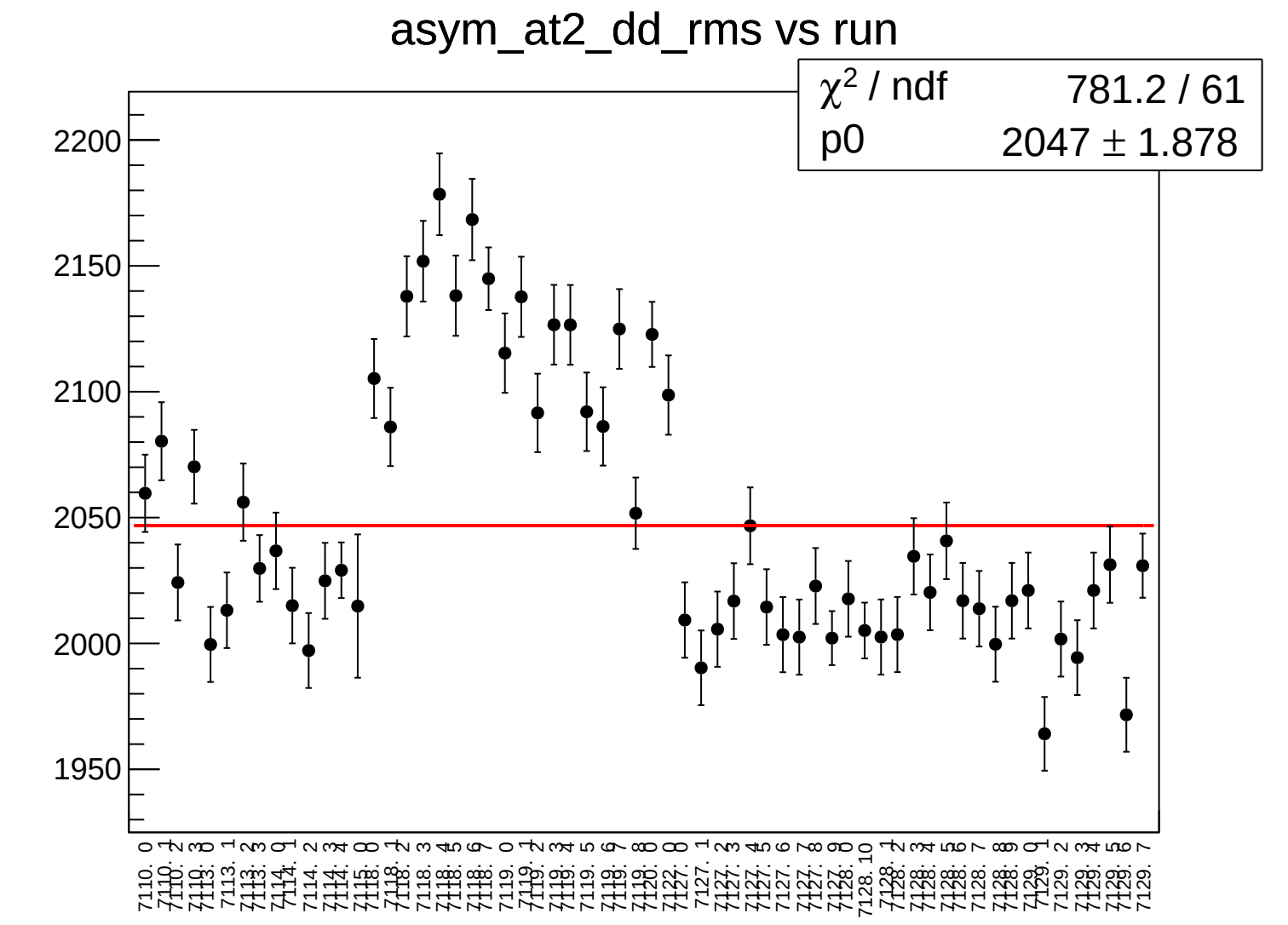

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 50.73 / 61
p0 3628 ± 4855
100
50
0
−50
−100
pull
Entries 62
Mean −804.2
Std Dev 842.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

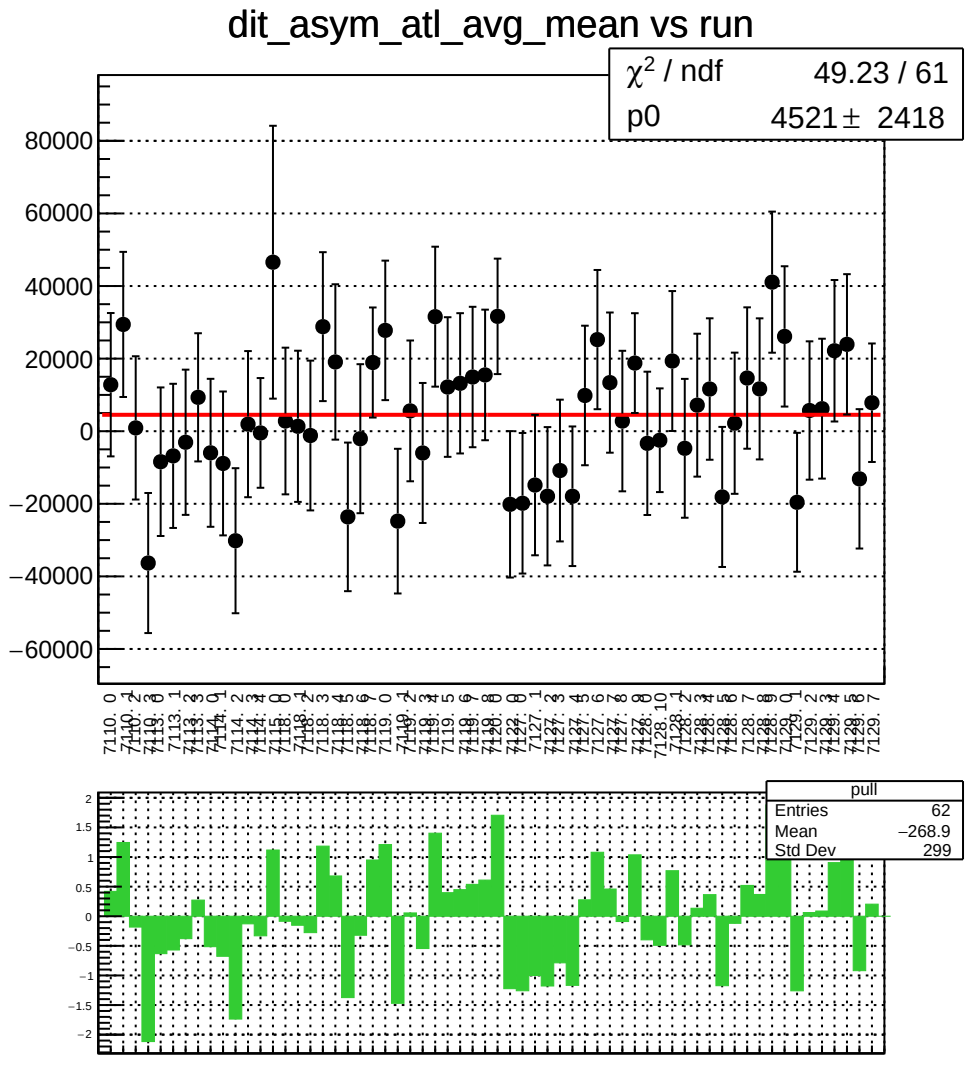

pull1D
Entries 62
Mean −0.004546
Std Dev 0.9046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

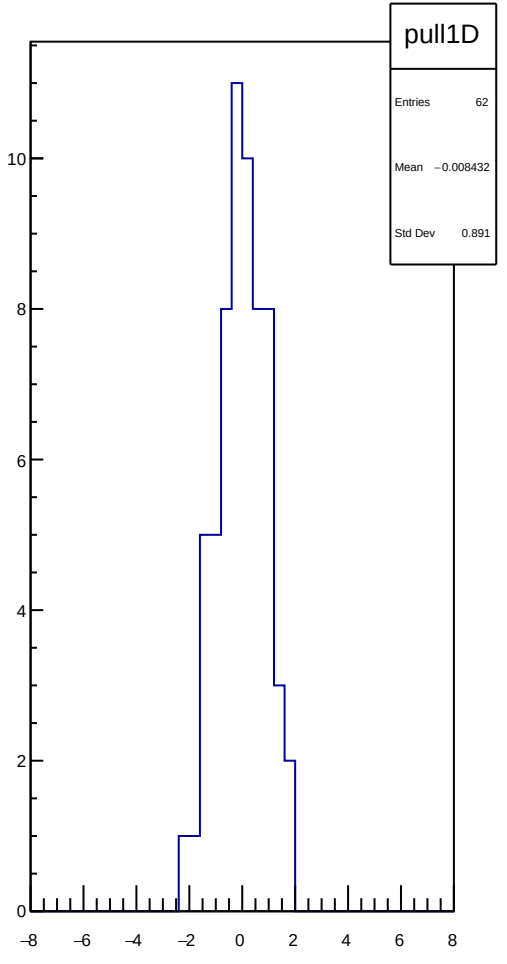

asym_at2_dd_correction_rms vs run
χ² / ndf 255.4 / 61
p0 3742 ± 3.433
3950
3900
3850
3800
3750
3700
3650
3600
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

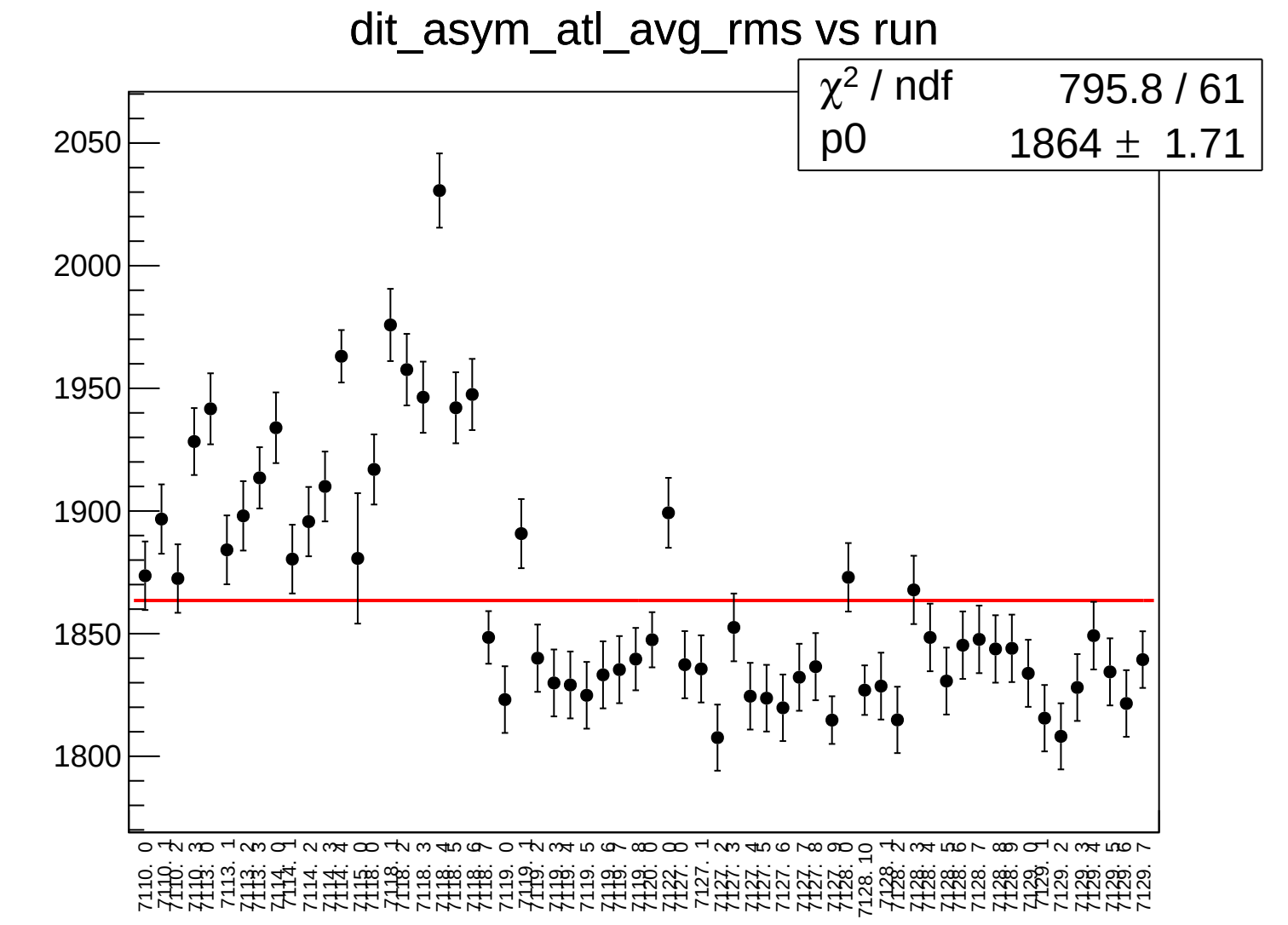

asym_at2_dd_mean vs run
χ² / ndf 56.53 / 61
p0 −3181 ± 2656
pull
Entries 62
Mean −629.8
Std Dev 666.9

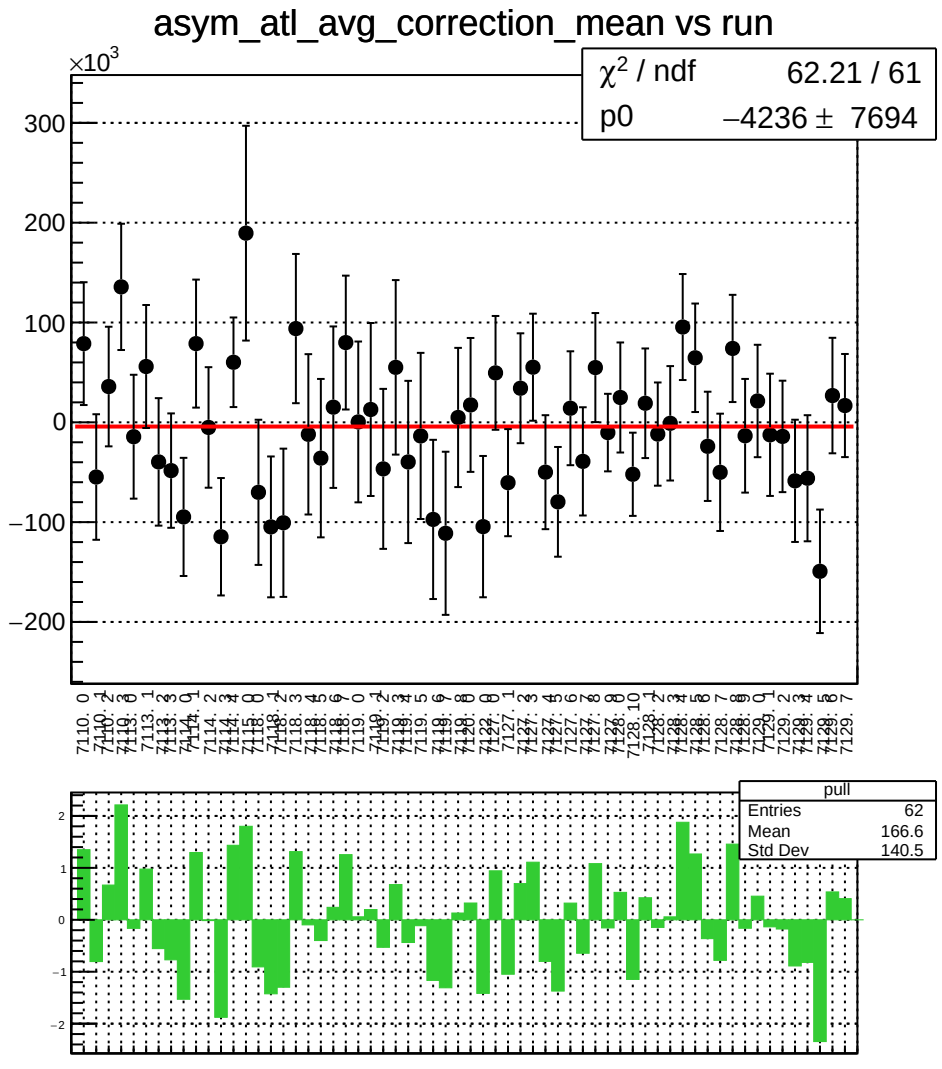

pull1D
Entries 62
Mean 0.007175
Std Dev 0.9548

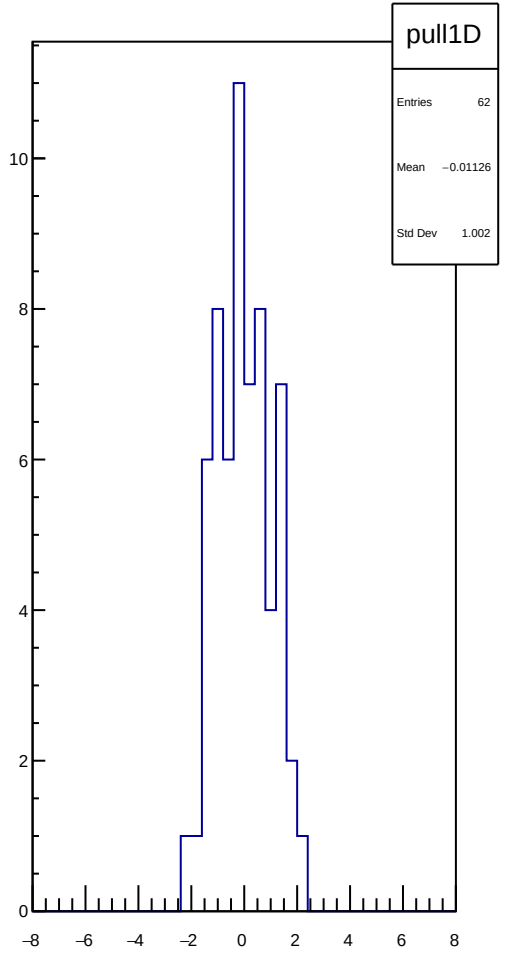

asym_at2_dd_rms vs run
χ^2 / ndf 781.2 / 61
p0 2047 ± 1.878
2200
2150
2100
2050
2000
1950

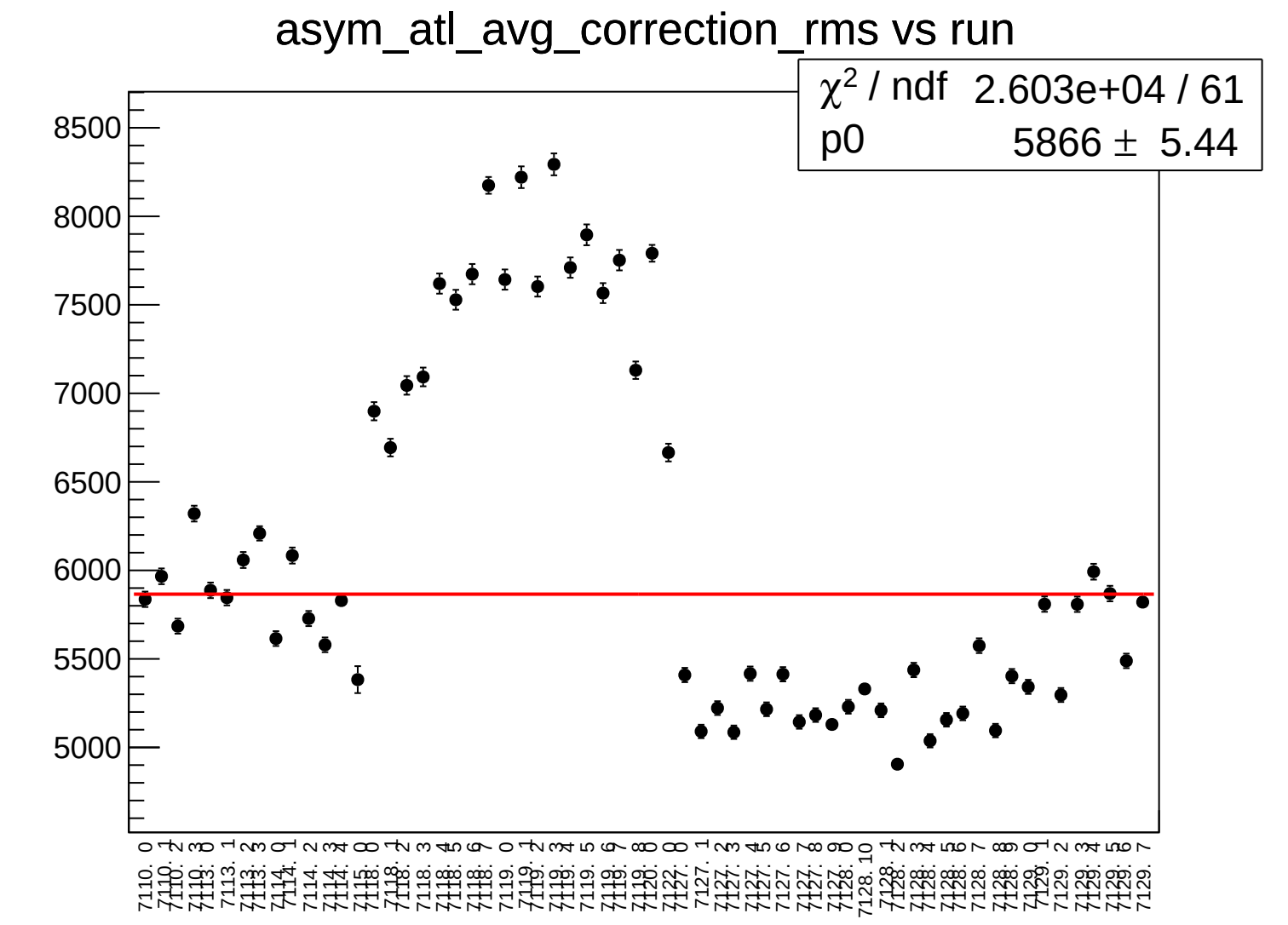

dit_asym_atl_avg_mean vs run
χ² / ndf 49.23 / 61
p0 4521 ± 2418
pull
Entries 62
Mean −268.9
Std Dev 299

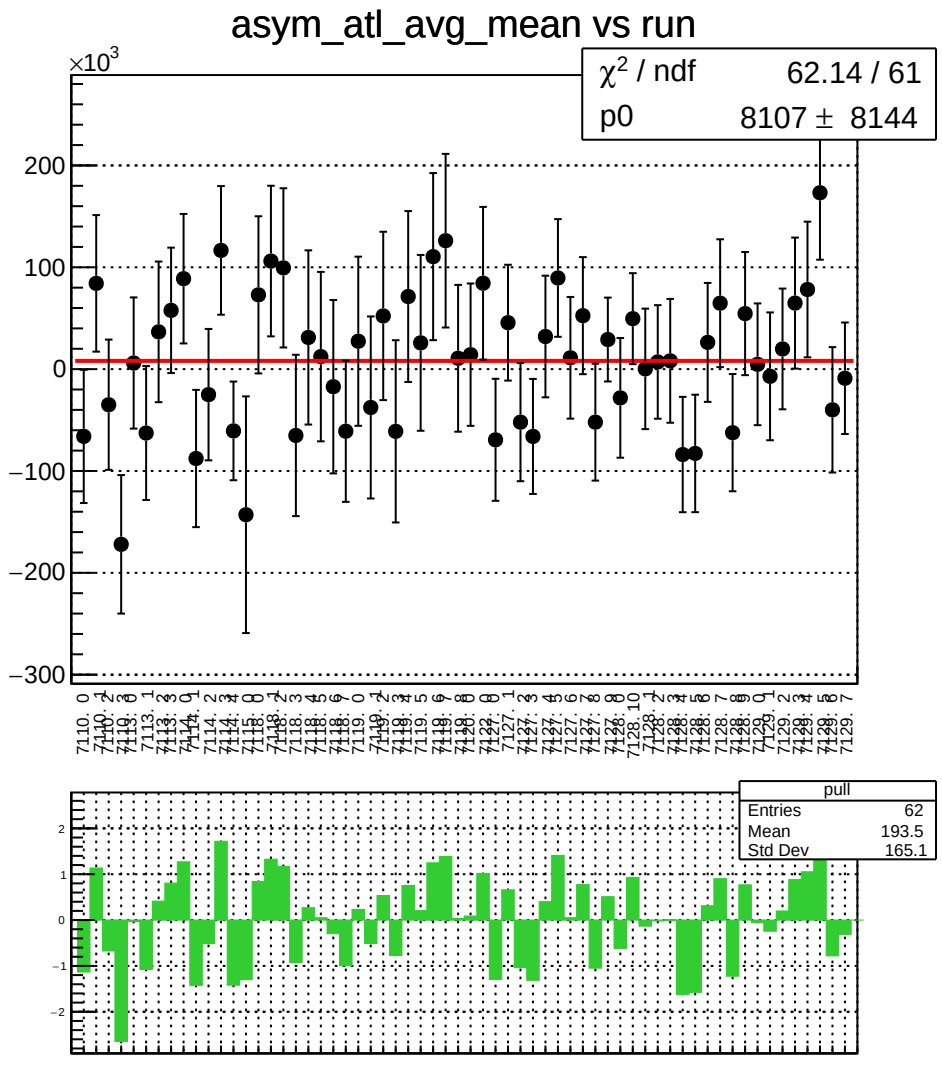

pull1D
Entries 62
Mean −0.008432
Std Dev 0.891

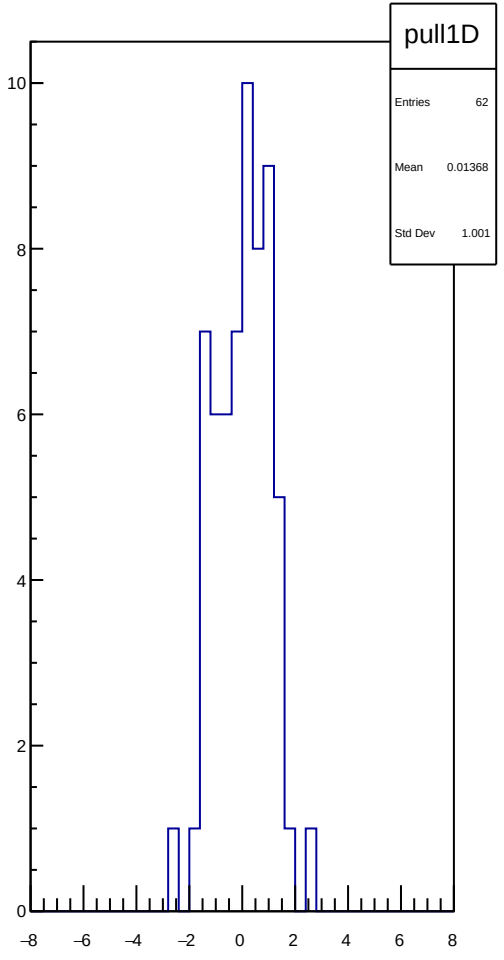

dit_asym_atl_avg_rms vs run
χ² / ndf 795.8 / 61
p0 1864 ± 1.71
2050
2000
1950
1900
1850
1800

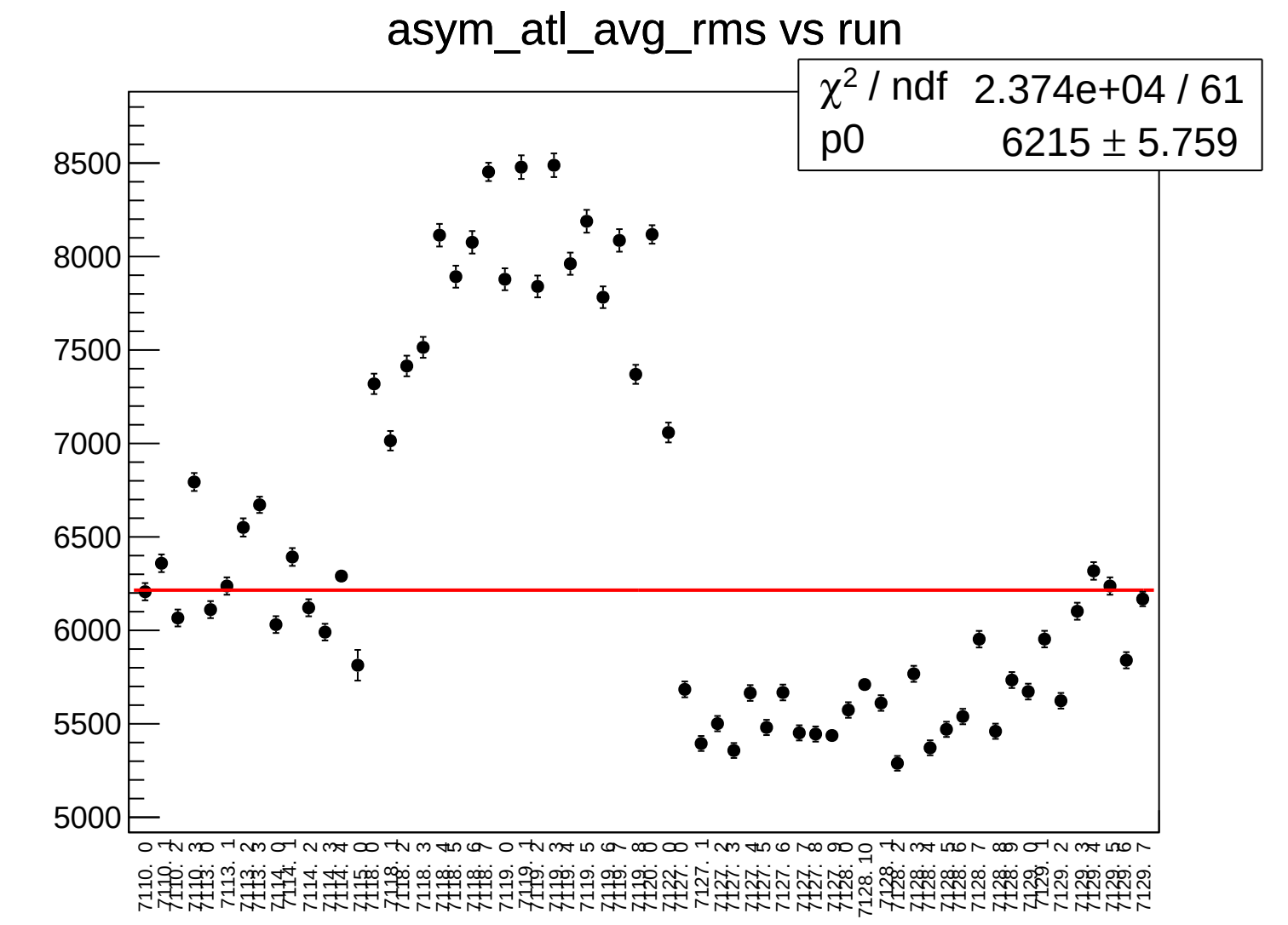

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 62.21 / 61
p0 −4236 ± 7694
300
200
100
0
−100
−200
pull
Entries 62
Mean 166.6
Std Dev 140.5
2
1
0
−1
−2

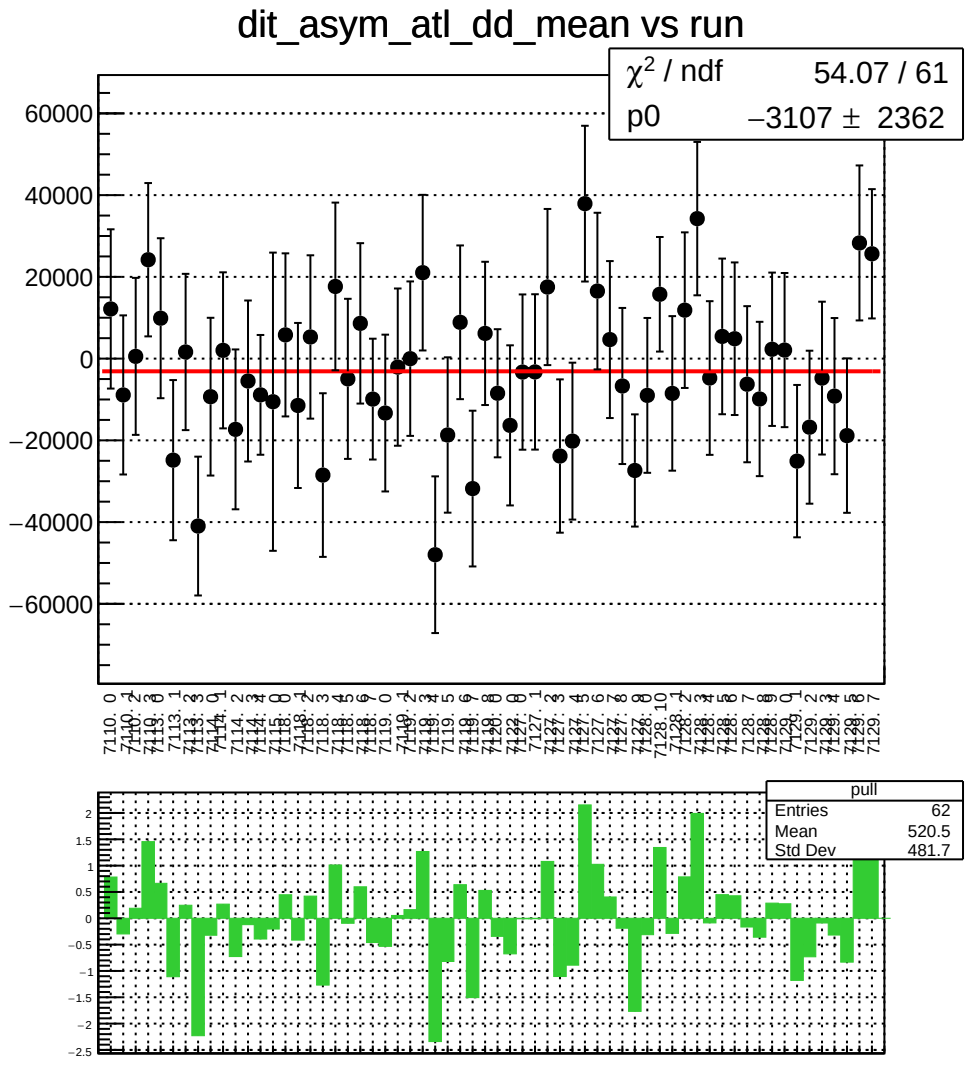

pull1D
Entries 62
Mean −0.01126
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

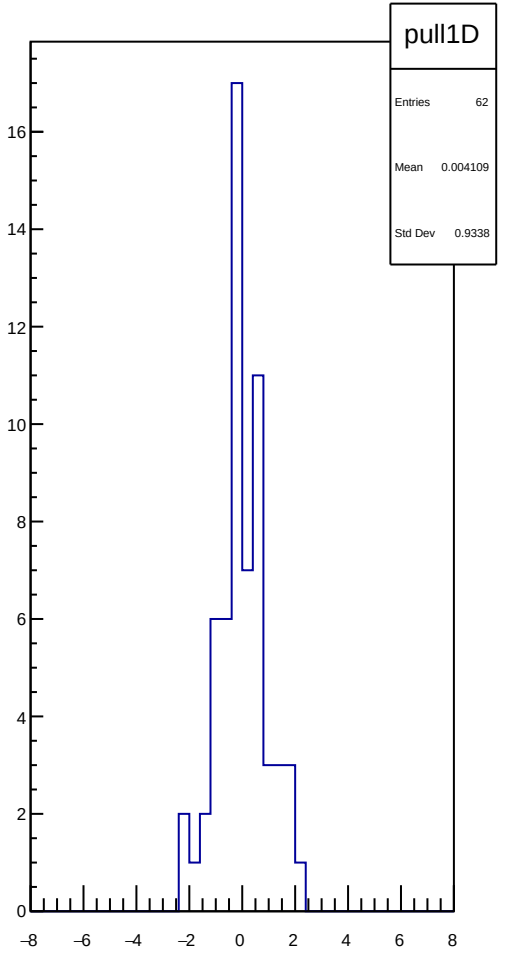

asym_atl_avg_correction_rms vs run
χ² / ndf 2.603e+04 / 61
p0 5866 ± 5.44
8500
8000
7500
7000
6500
6000
5500
5000

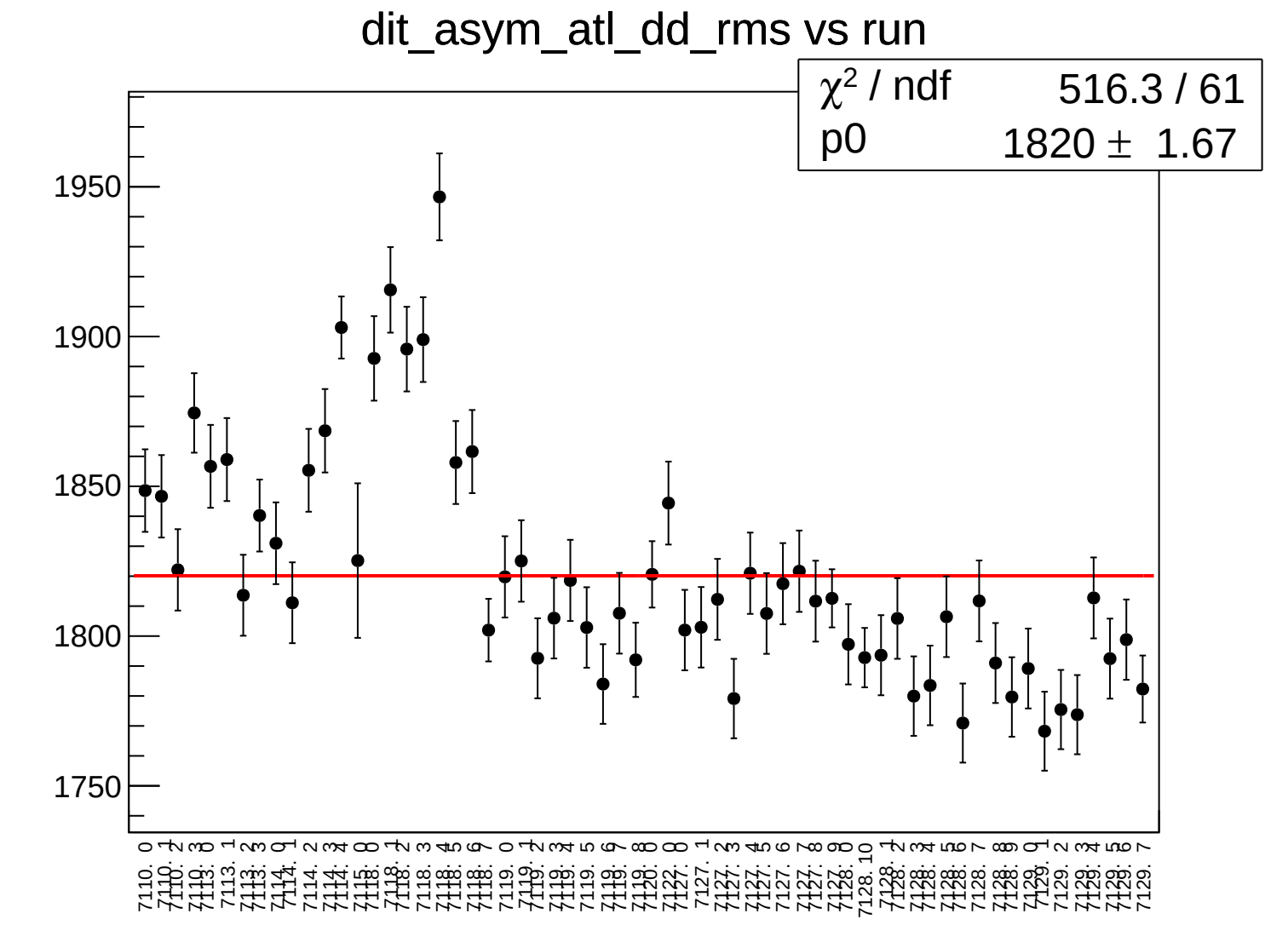

asym_atl_avg_mean vs run
×10^3
χ² / ndf 62.14 / 61
p0 8107 ± 8144
200
100
0
−100
−200
−300
pull
Entries 62
Mean 193.5
Std Dev 165.1
2
1
0
−1
−2

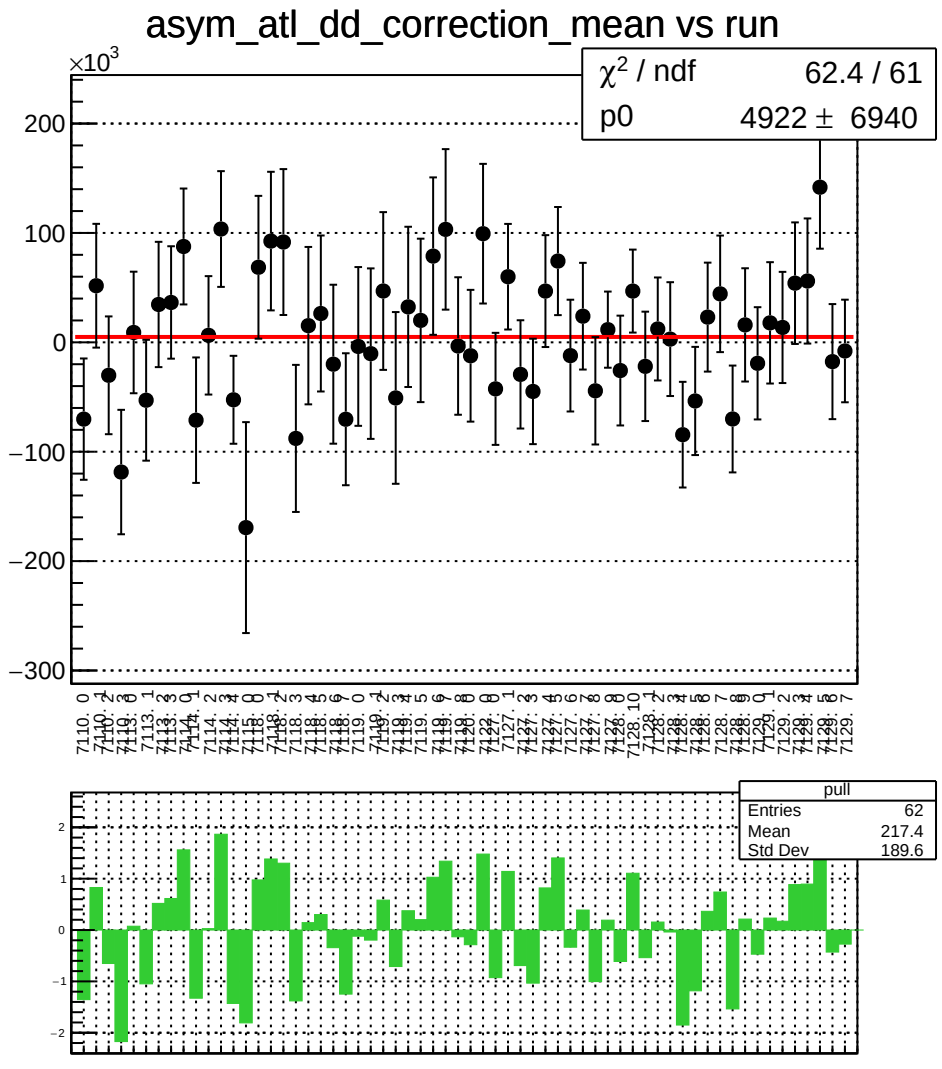

pull1D
Entries 62
Mean 0.01368
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

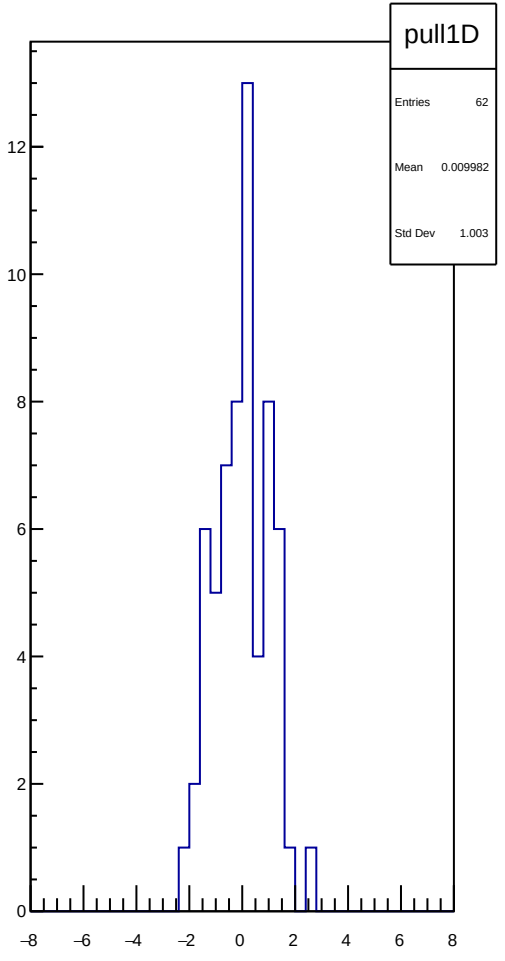

asym_atl_avg_rms vs run
χ^2 / ndf 2.374e+04 / 61
p0 6215 ± 5.759
8500
8000
7500
7000
6500
6000
5500
5000
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

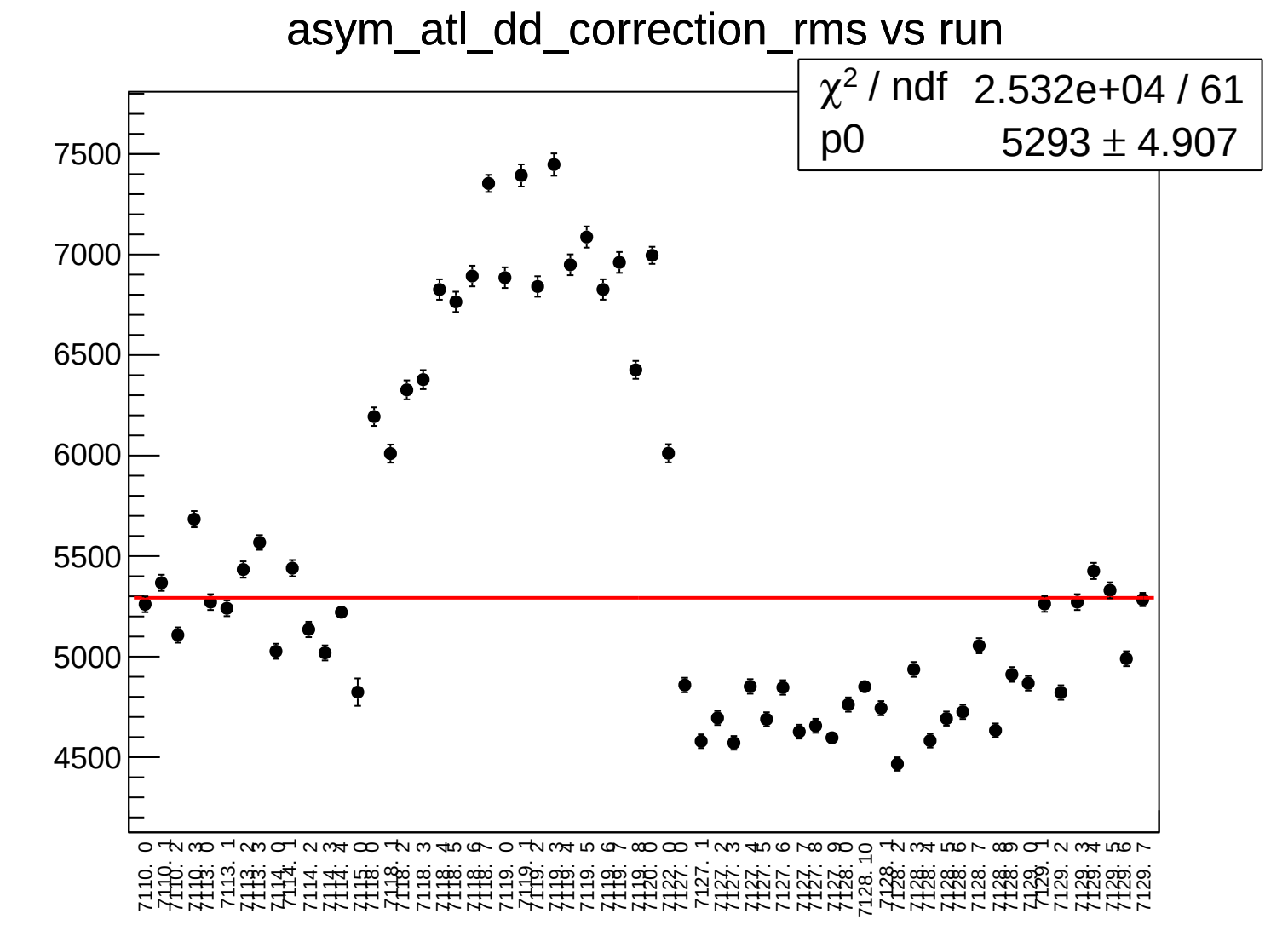

dit_asym_atl_dd_mean vs run
χ² / ndf 54.07 / 61
p0 −3107 ± 2362
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 62
Mean 520.5
Std Dev 481.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

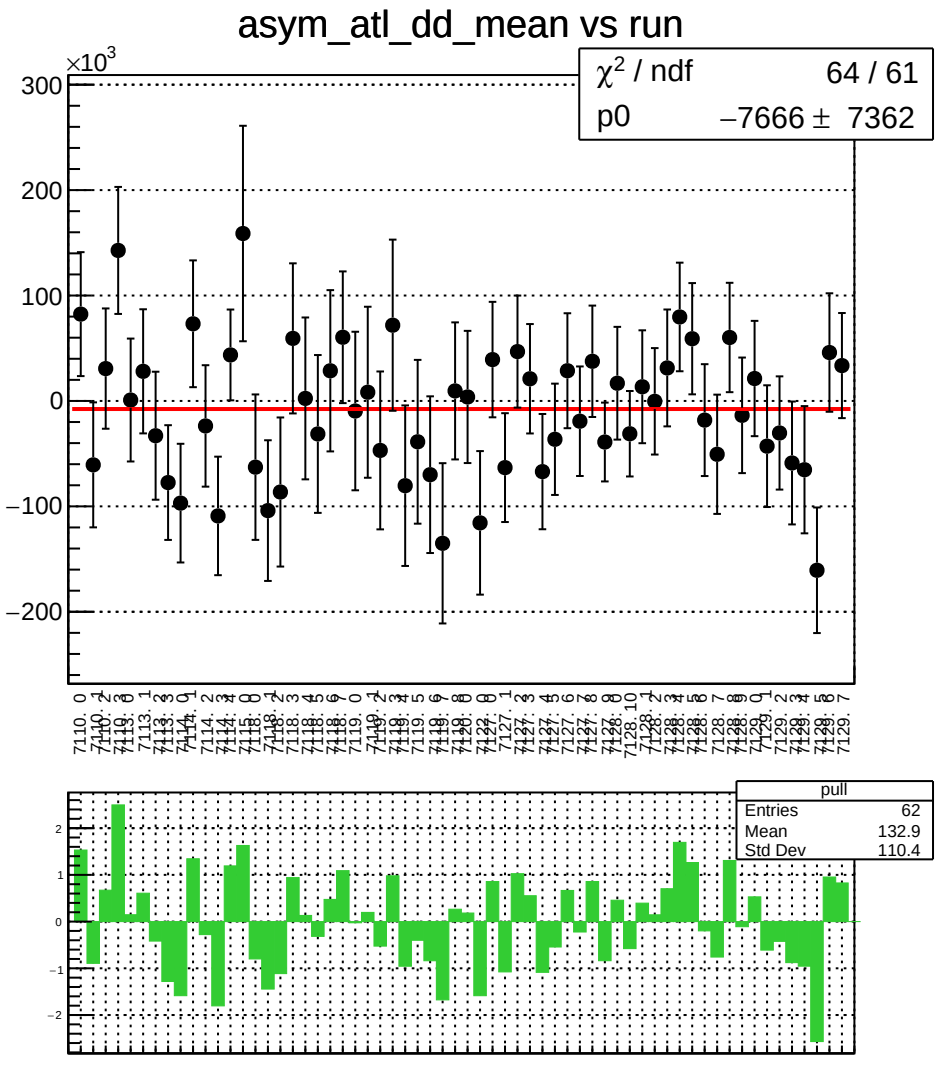

pull1D
Entries 62
Mean 0.004109
Std Dev 0.9338
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

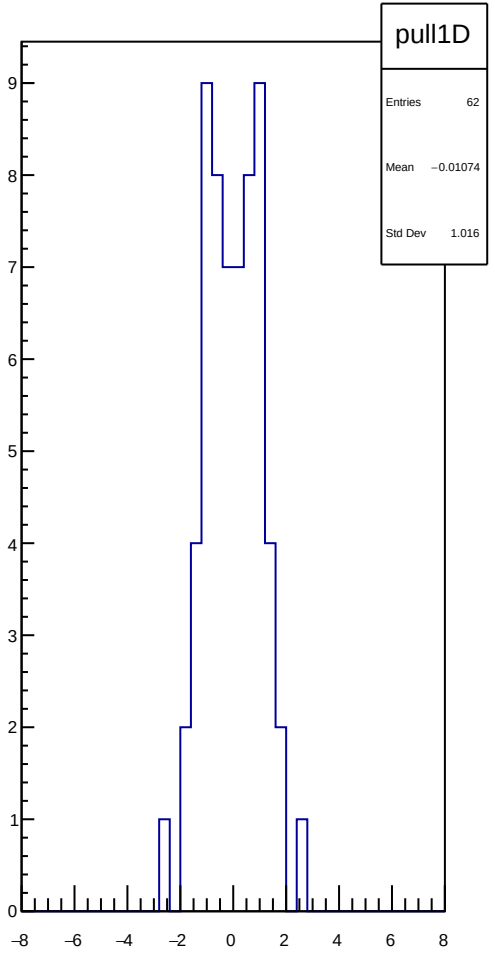

dit_asym_atl_dd_rms vs run
χ² / ndf 516.3 / 61
p0 1820 ± 1.67
1950
1900
1850
1800
1750
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

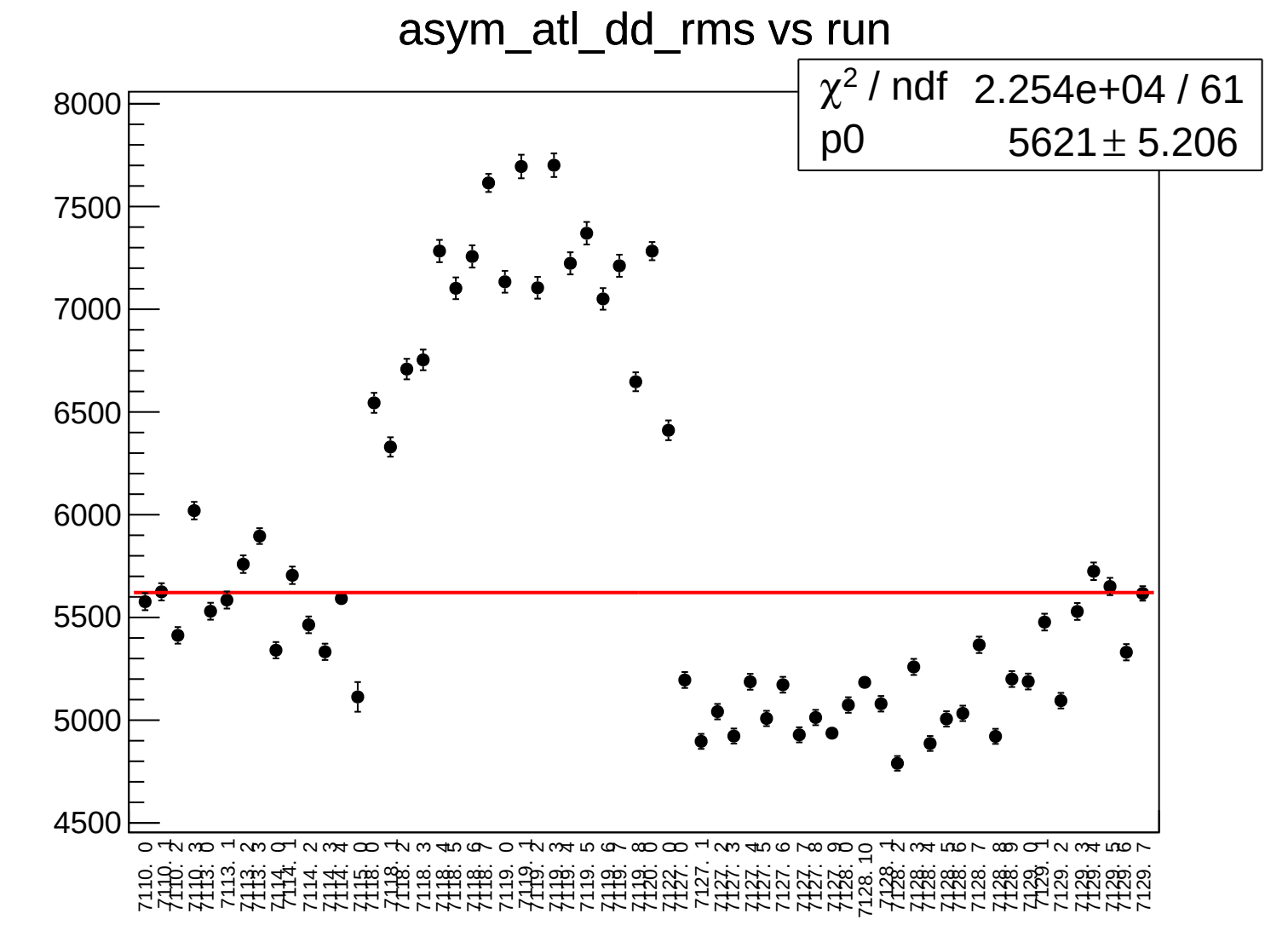

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 62.4 / 61
p0 4922 ± 6940
200
100
0
−100
−200
−300
pull
Entries 62
Mean 217.4
Std Dev 189.6
2
1
0
−1
−2

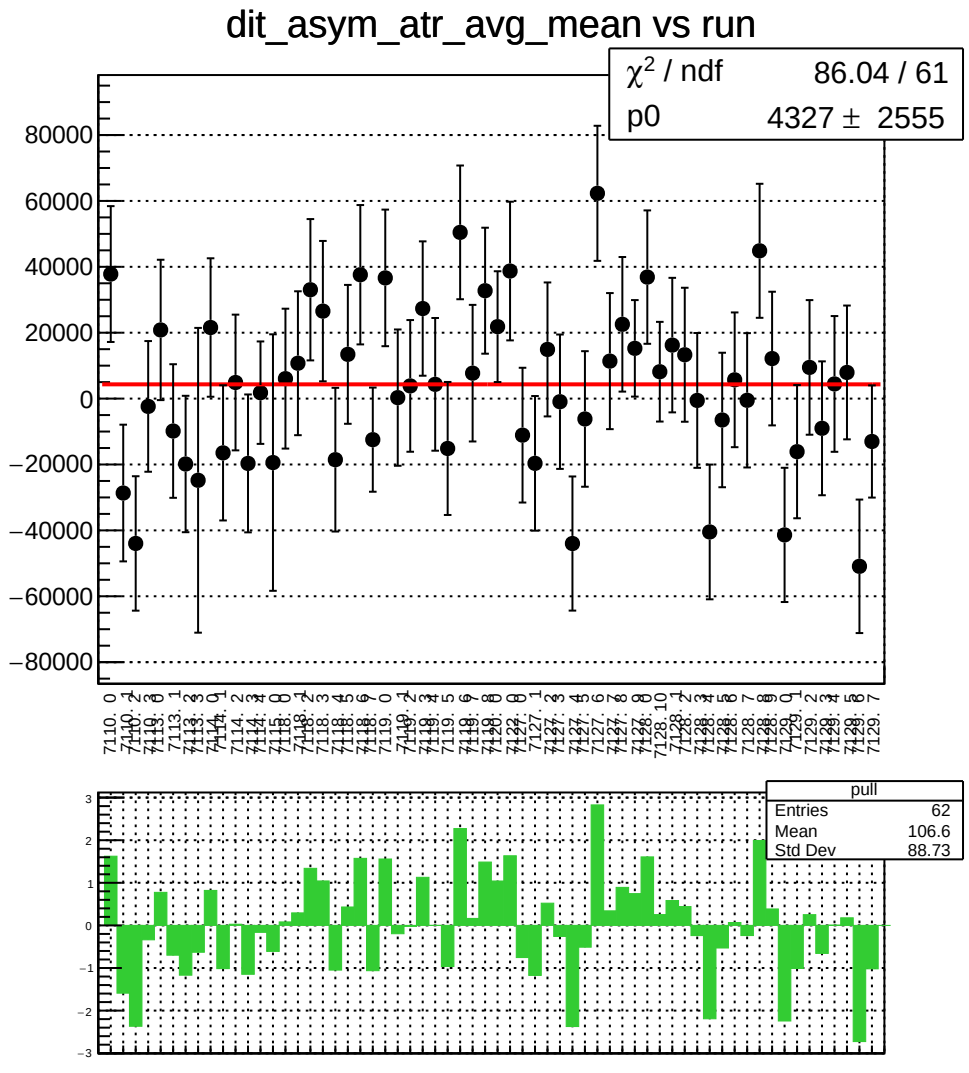

pull1D
Entries 62
Mean 0.009982
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

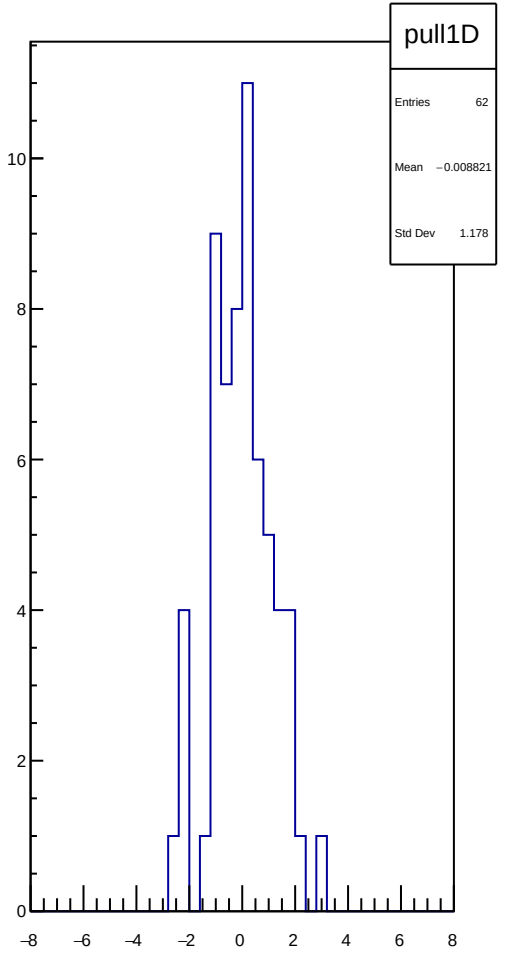

asym_atl_dd_correction_rms vs run
χ² / ndf 2.532e+04 / 61
p0 5293 ± 4.907
7500
7000
6500
6000
5500
5000
4500

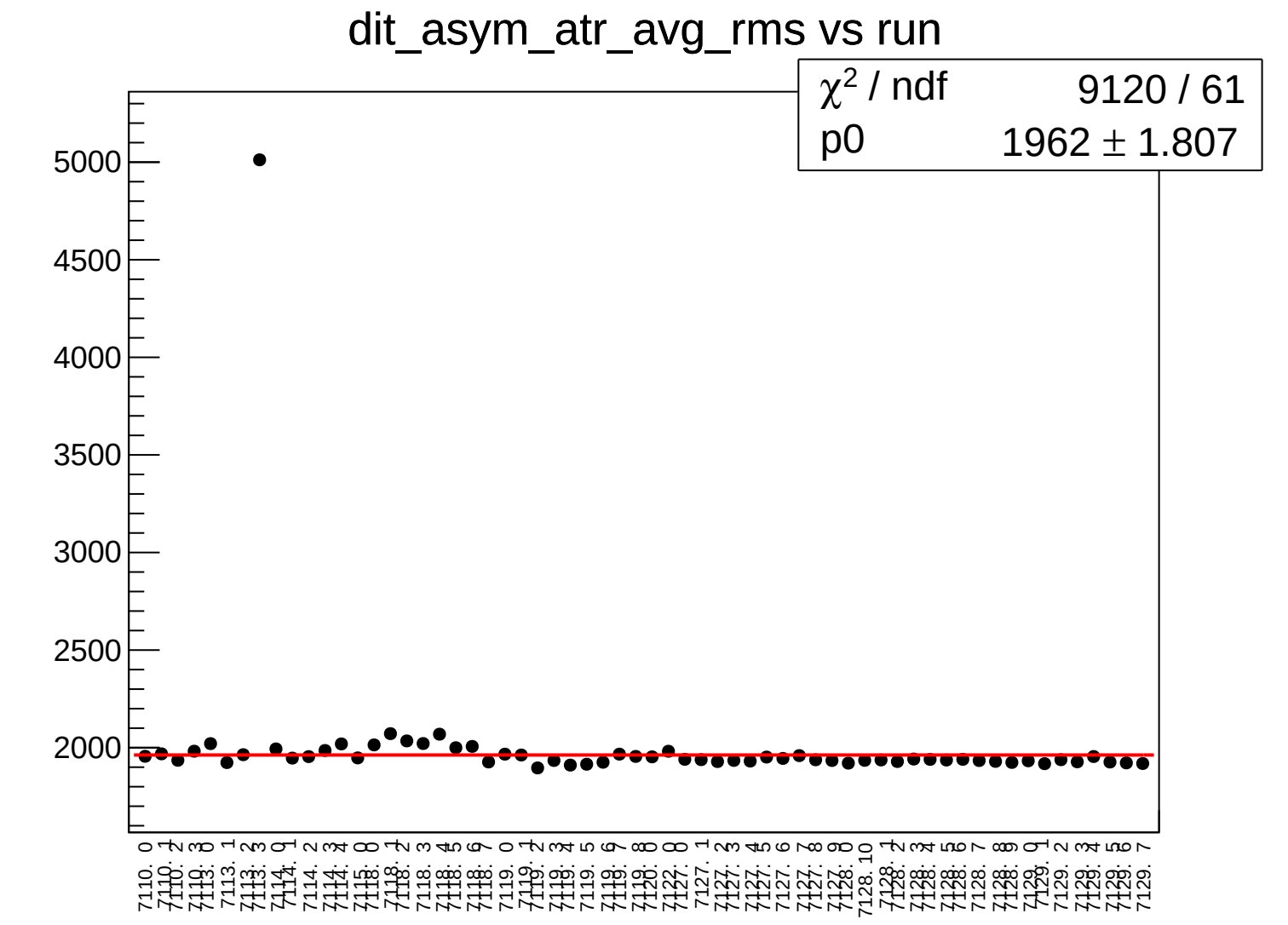

asym_atl_dd_mean vs run
×10^3
χ² / ndf 64 / 61
p0 −7666 ± 7362
pull
Entries 62
Mean 132.9
Std Dev 110.4

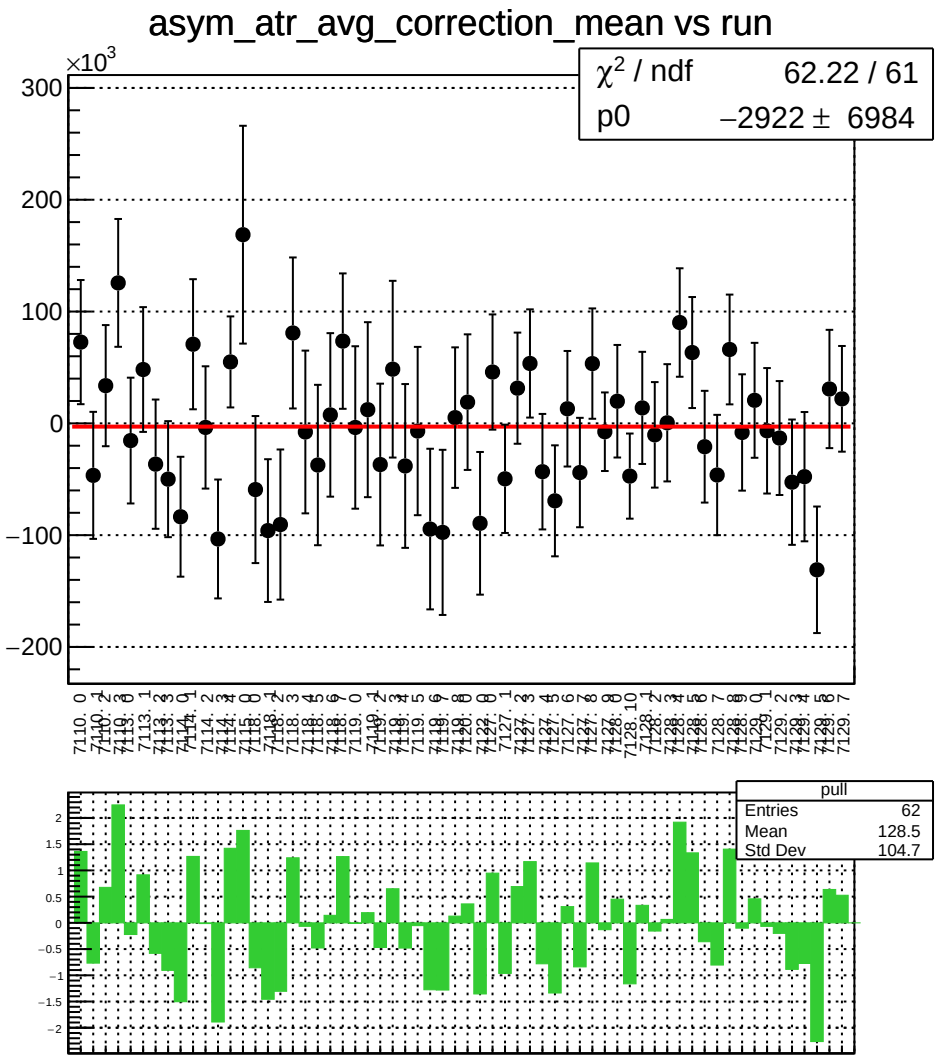

pull1D
Entries 62
Mean −0.01074
Std Dev 1.016

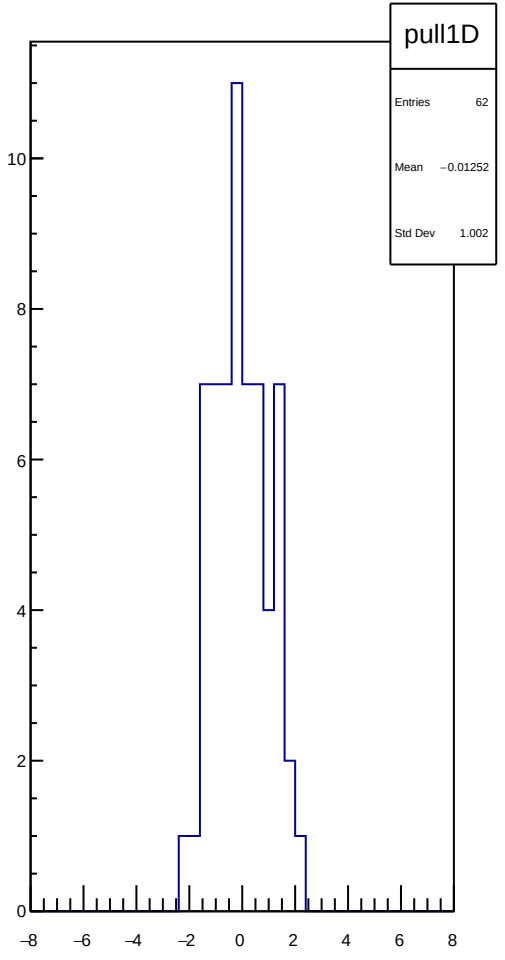

asym_atl_dd_rms vs run
χ² / ndf 2.254e+04 / 61
p0 5621 ± 5.206
8000
7500
7000
6500
6000
5500
5000
4500
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

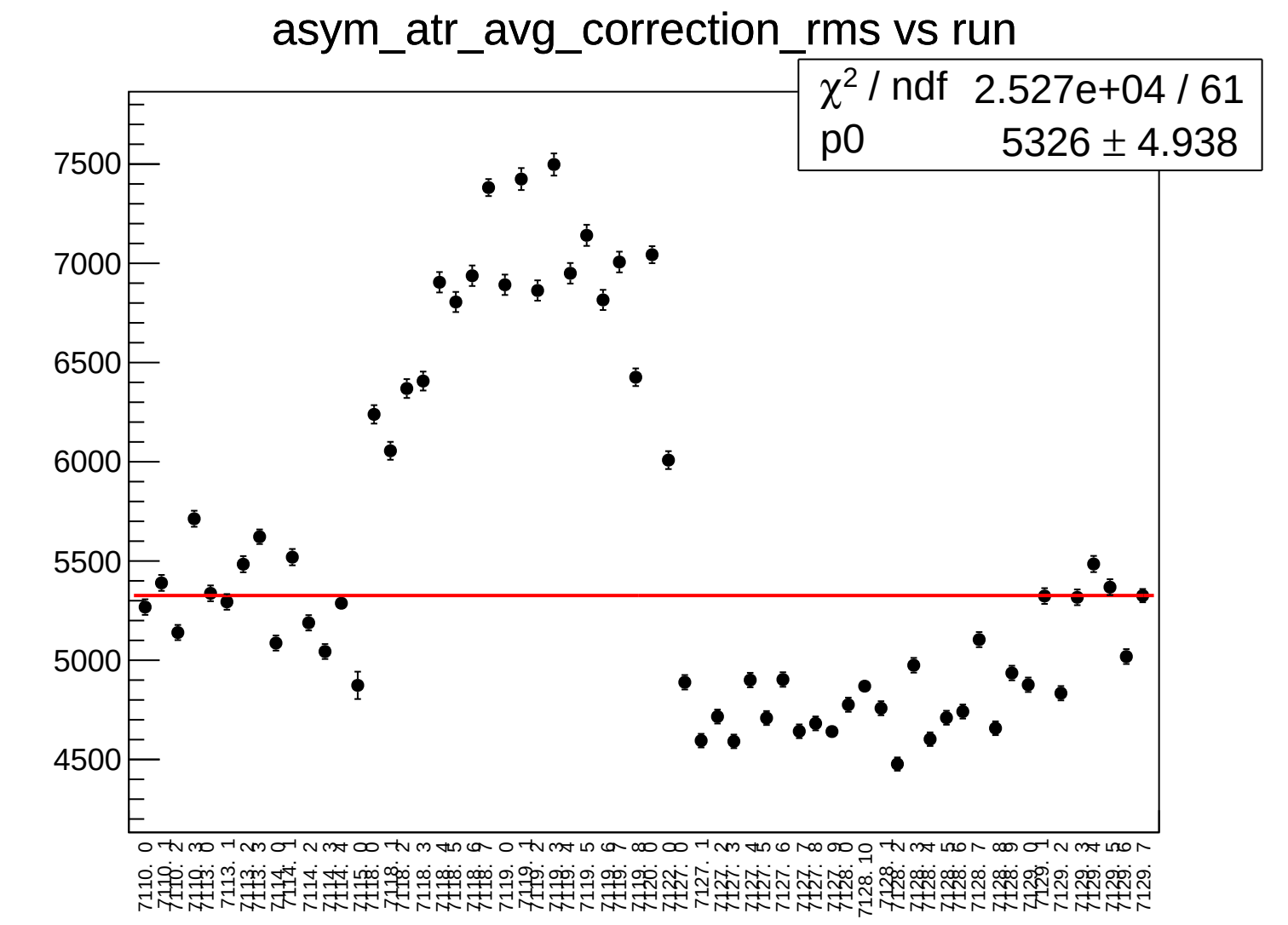

dit_asym_atr_avg_mean vs run
χ² / ndf 86.04 / 61
p0 4327 ± 2555
pull
Entries 62
Mean 106.6
Std Dev 88.73

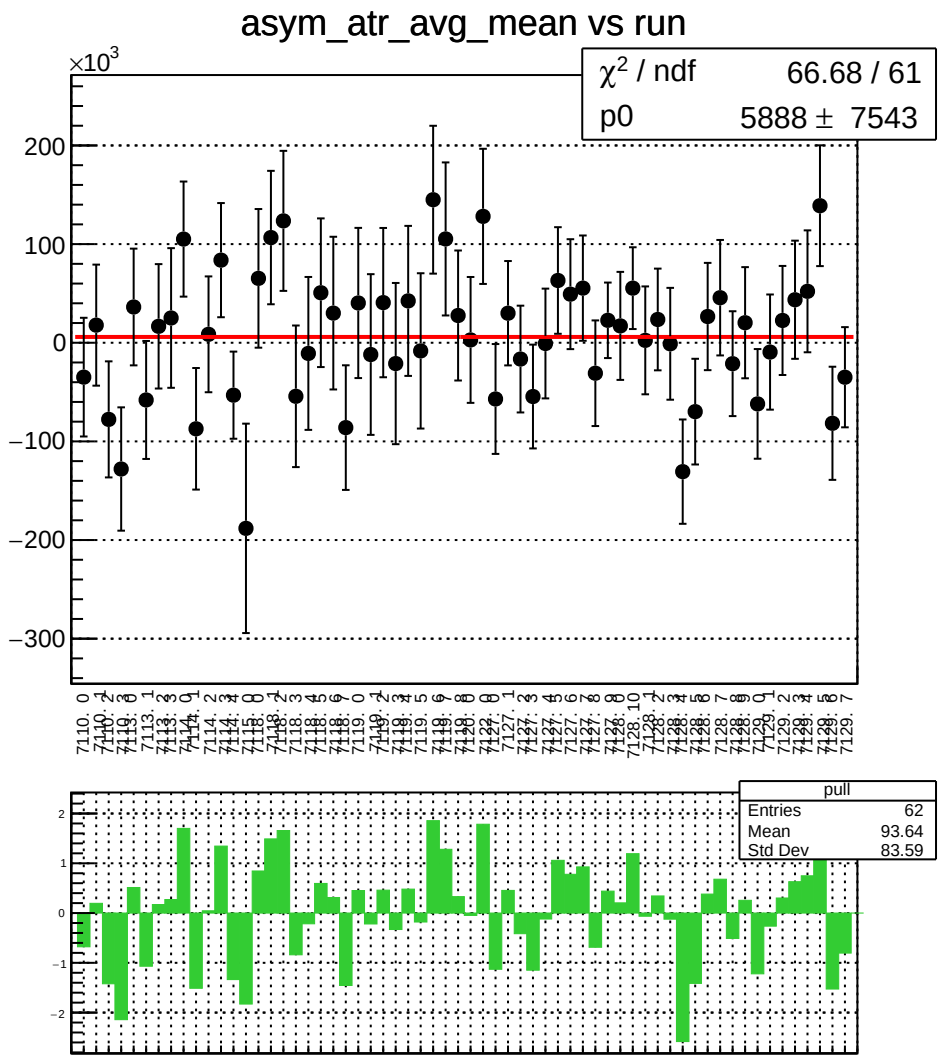

pull1D
Entries 62
Mean −0.008821
Std Dev 1.178

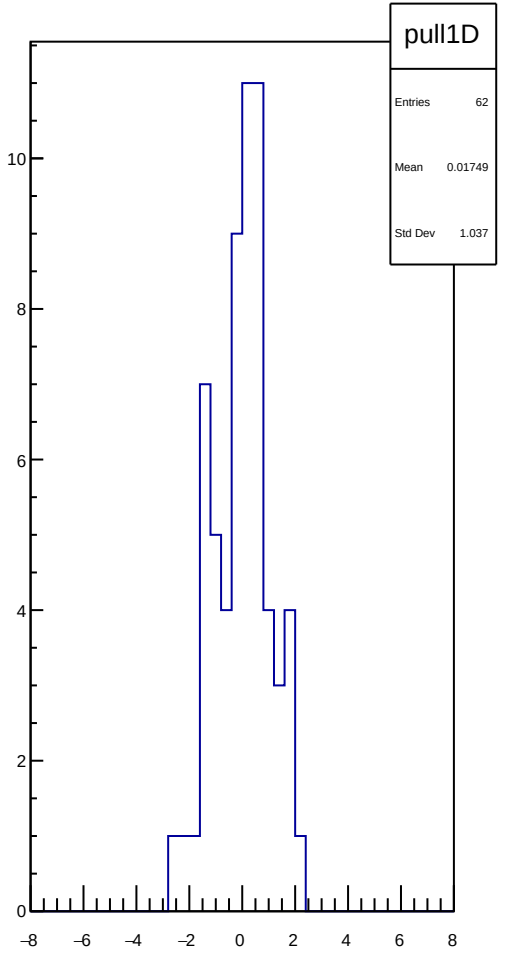

dit_asym_atr_avg_rms vs run
χ² / ndf 9120 / 61
p0 1962 ± 1.807
5000
4500
4000
3500
3000
2500
2000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

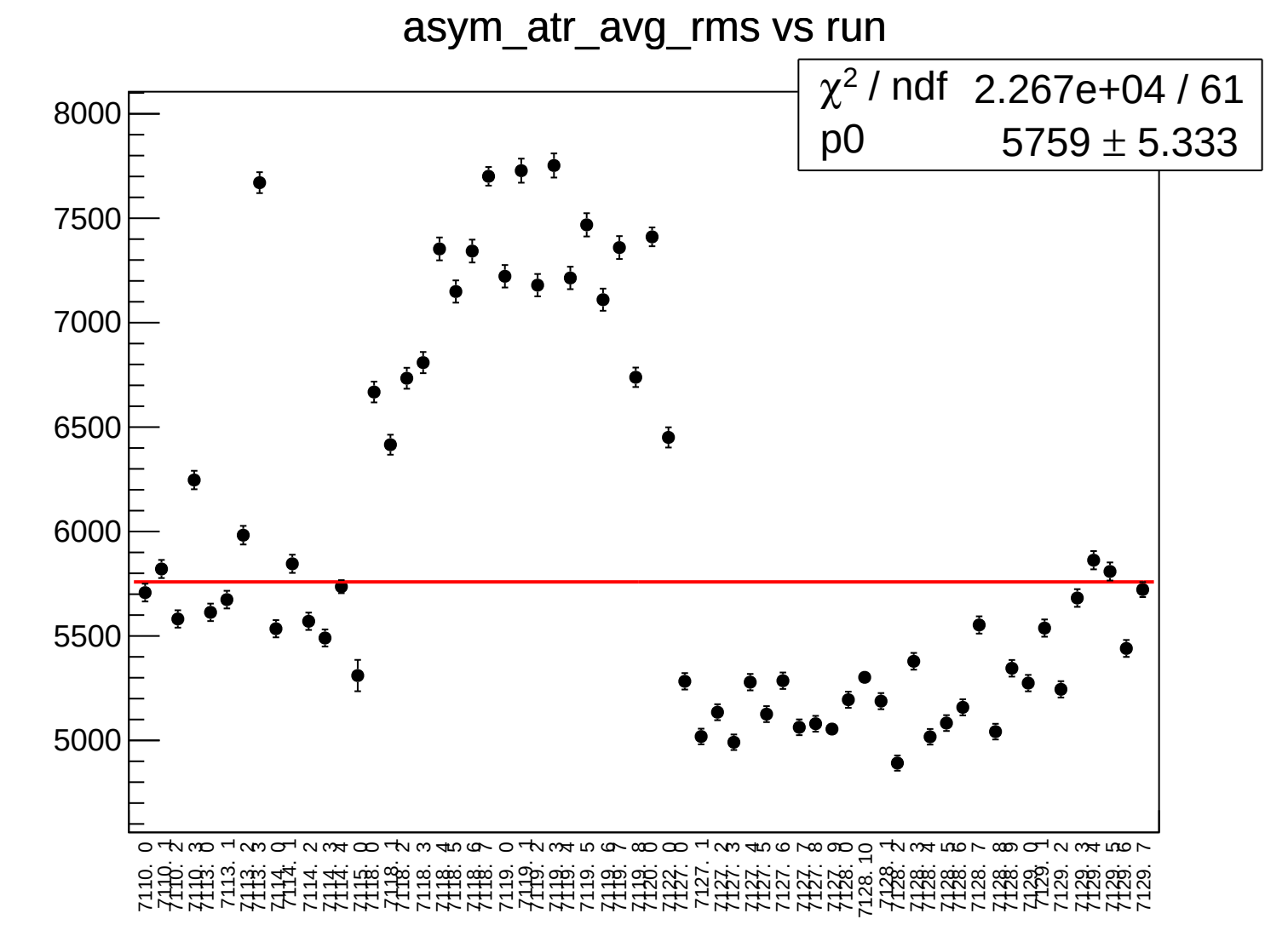

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 62.22 / 61
p0 −2922 ± 6984
pull
Entries 62
Mean 128.5
Std Dev 104.7

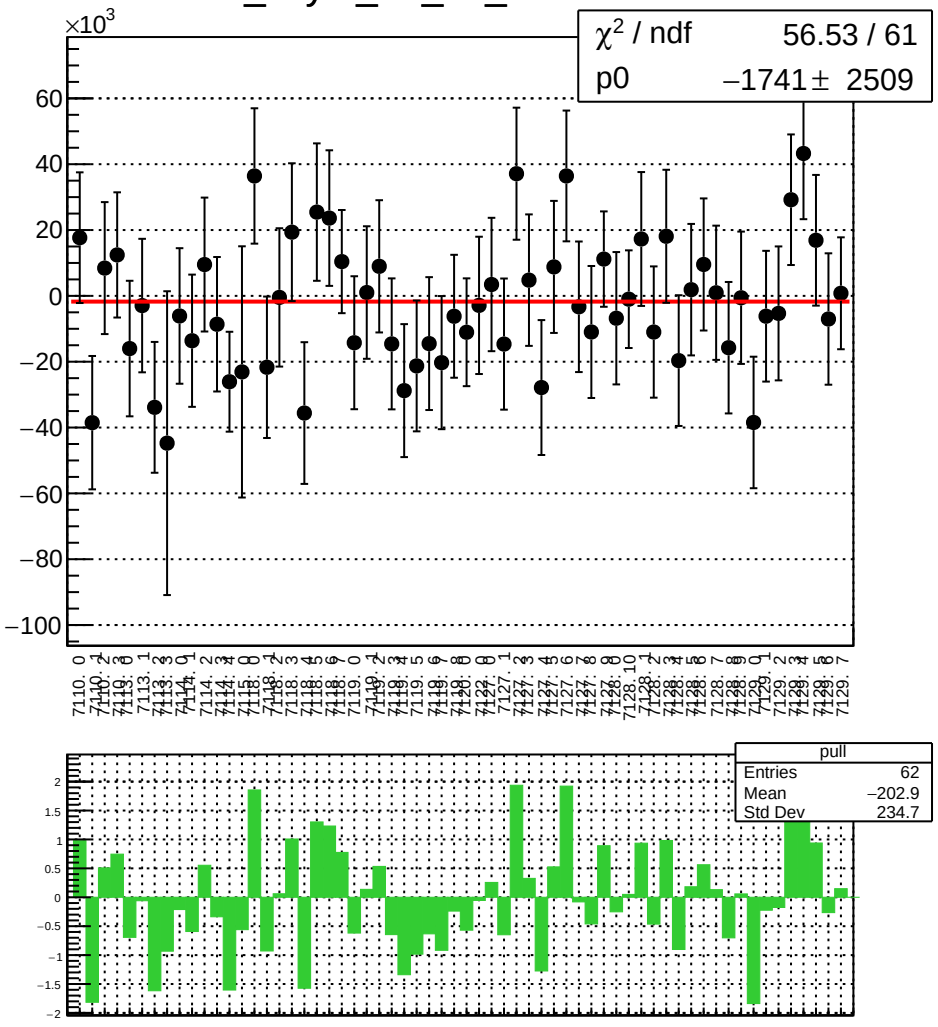

pull1D
Entries 62
Mean −0.01252
Std Dev 1.002

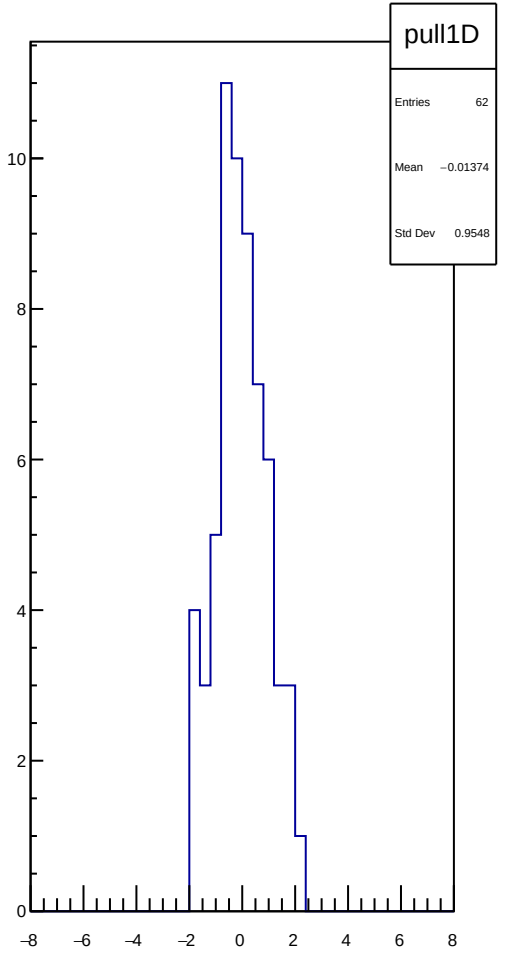

asym_atr_avg_correction_rms vs run
χ² / ndf 2.527e+04 / 61
p0 5326 ± 4.938
7500
7000
6500
6000
5500
5000
4500
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

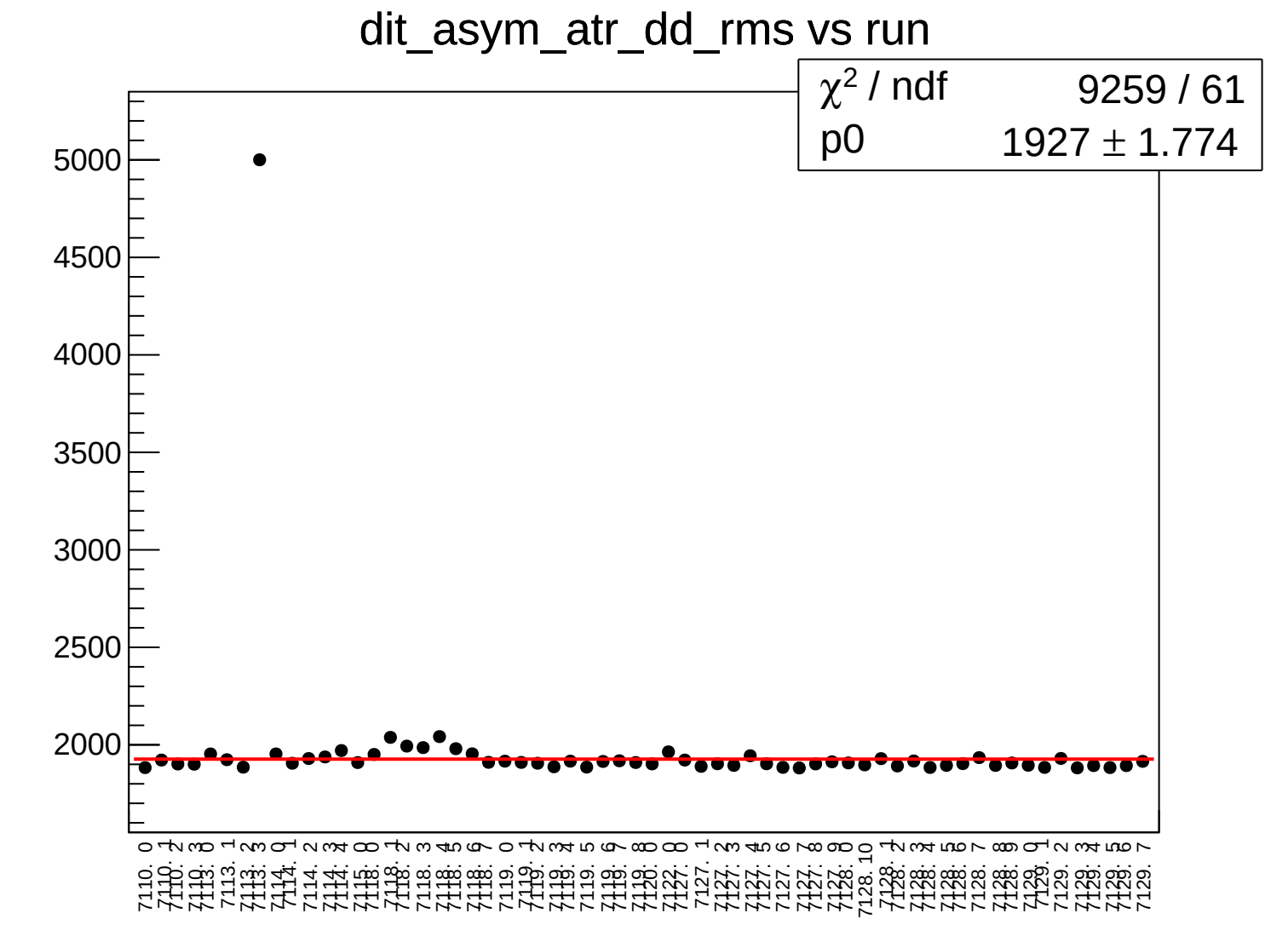

asym_atr_avg_mean vs run
×10^3
χ² / ndf 66.68 / 61
p0 5888 ± 7543
200
100
0
−100
−200
−300
pull
Entries 62
Mean 93.64
Std Dev 83.59
2
1
0
−1
−2

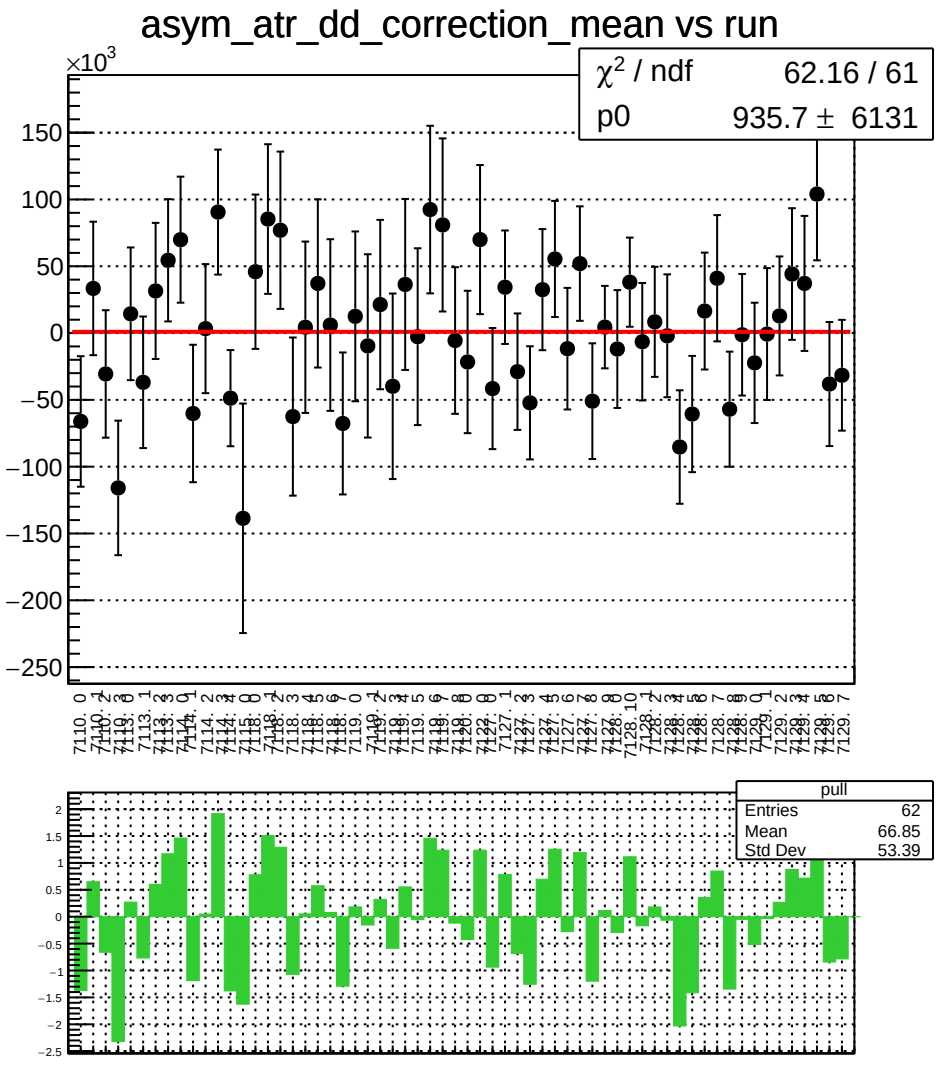

pull1D
Entries 62
Mean 0.01749
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

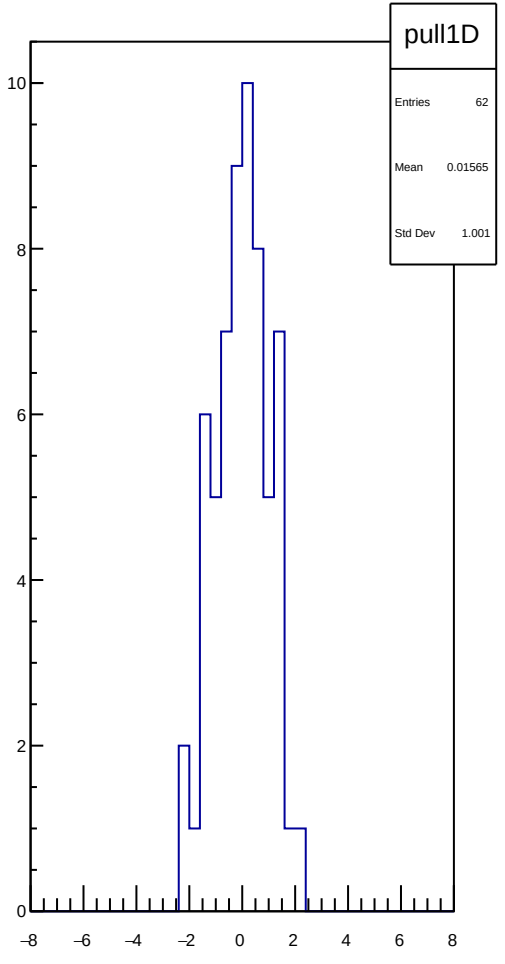

asym_atr_avg_rms vs run
χ² / ndf 2.267e+04 / 61
p0 5759 ± 5.333
8000
7500
7000
6500
6000
5500
5000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

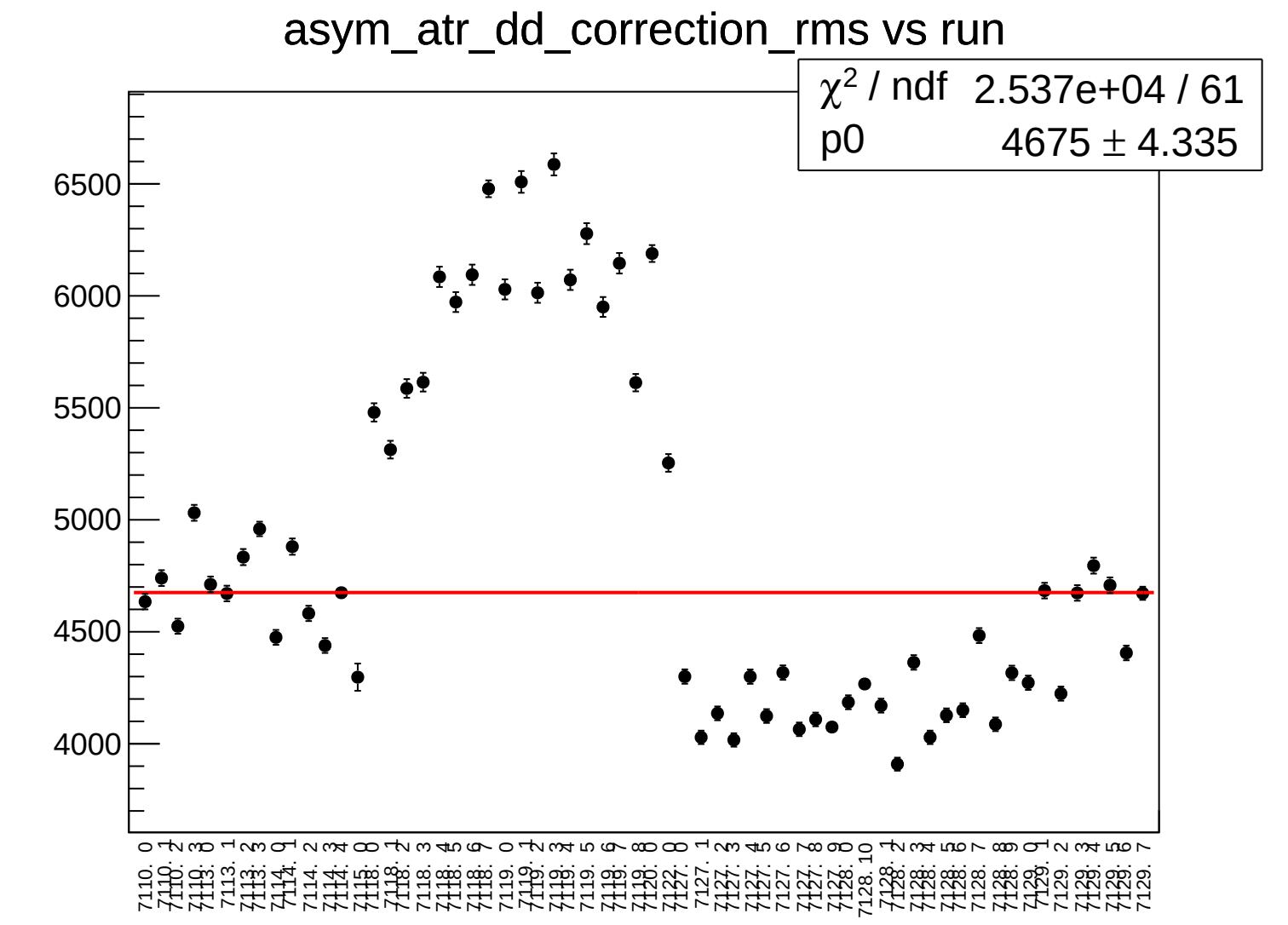

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 56.53 / 61
p0 −1741 ± 2509
pull
Entries 62
Mean −202.9
Std Dev 234.7

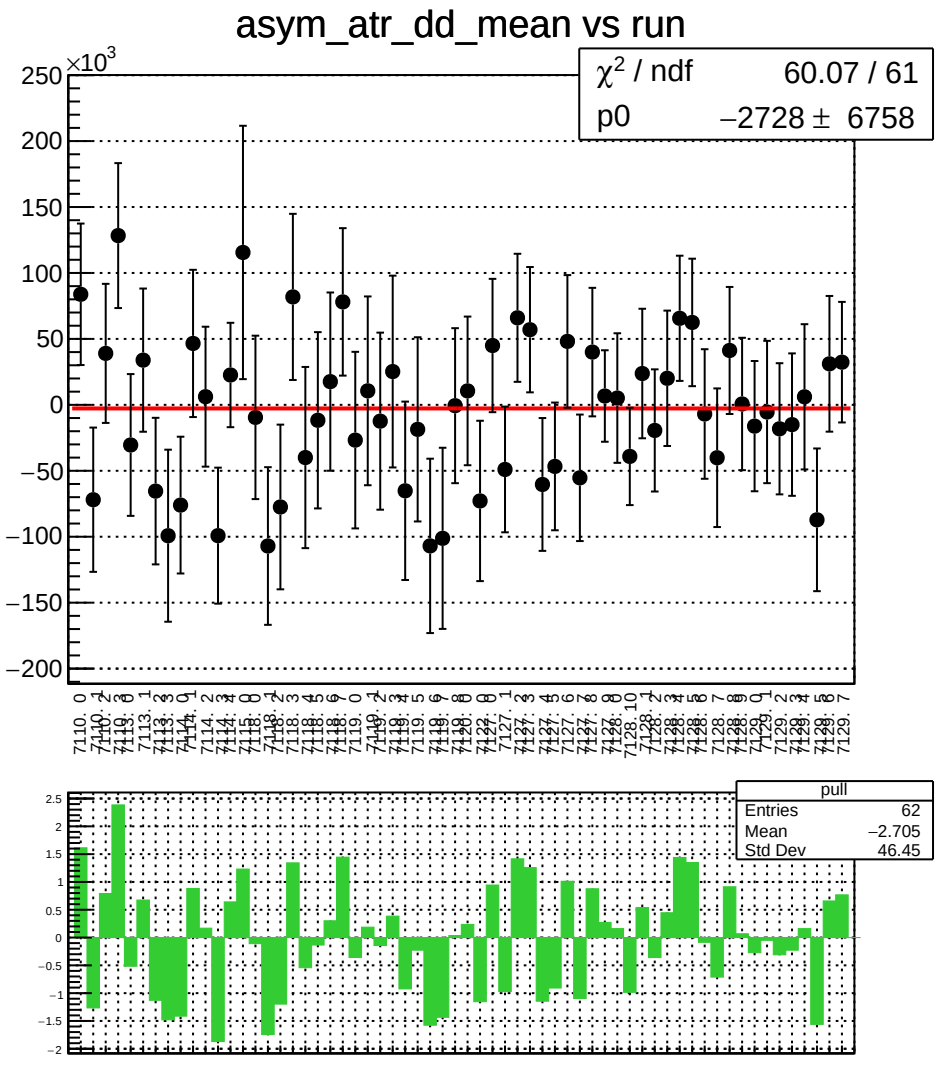

pull1D
Entries 62
Mean −0.01374
Std Dev 0.9548

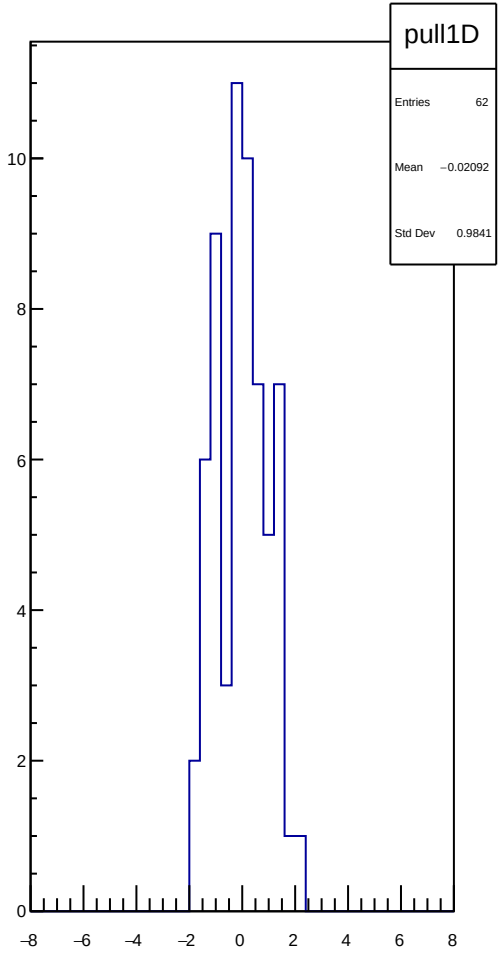

dit_asym_atr_dd_rms vs run
χ^2 / ndf 9259 / 61
p0 1927 ± 1.774
5000
4500
4000
3500
3000
2500
2000

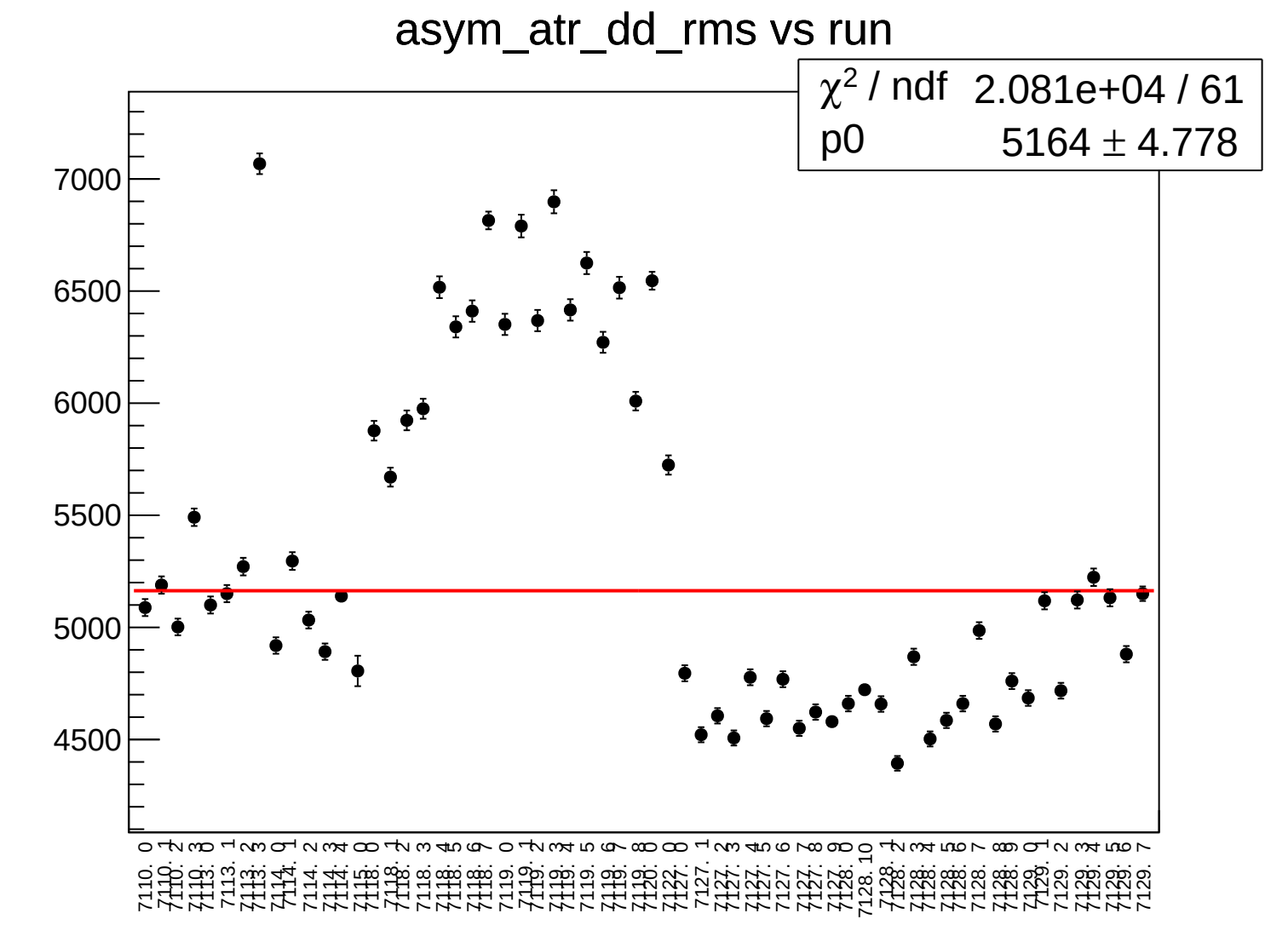

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 62.16 / 61
p0 935.7 ± 6131
pull
Entries 62
Mean 66.85
Std Dev 53.39

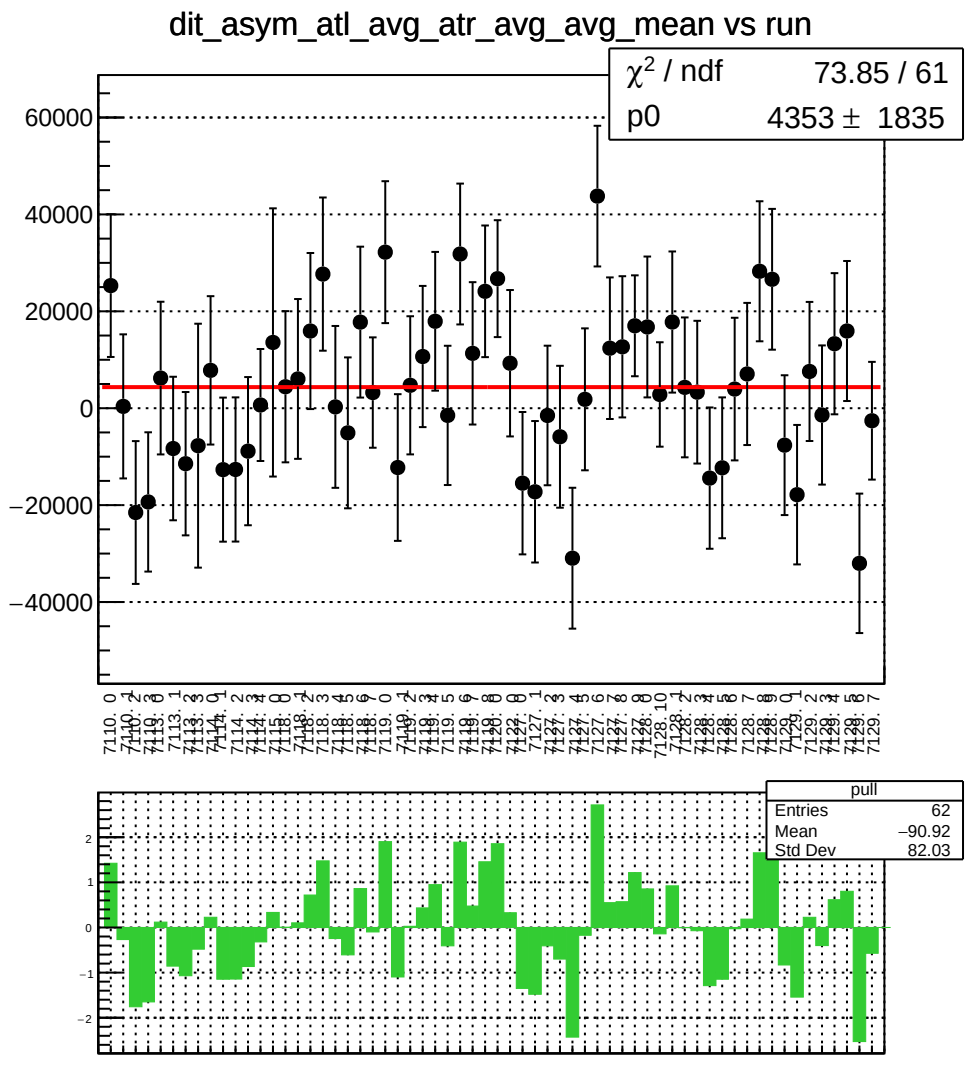

pull1D
Entries 62
Mean 0.01565
Std Dev 1.001

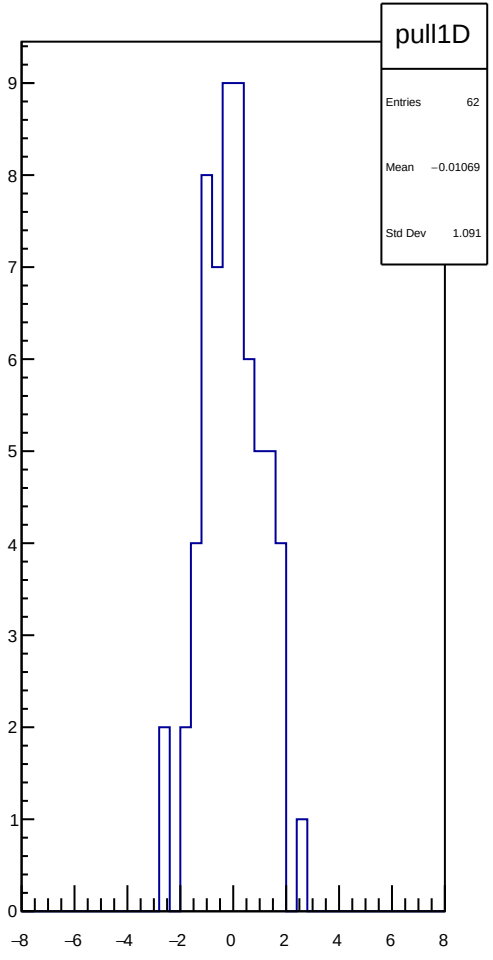

asym_atr_dd_correction_rms vs run
χ² / ndf 2.537e+04 / 61
p0 4675 ± 4.335
6500
6000
5500
5000
4500
4000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 1
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

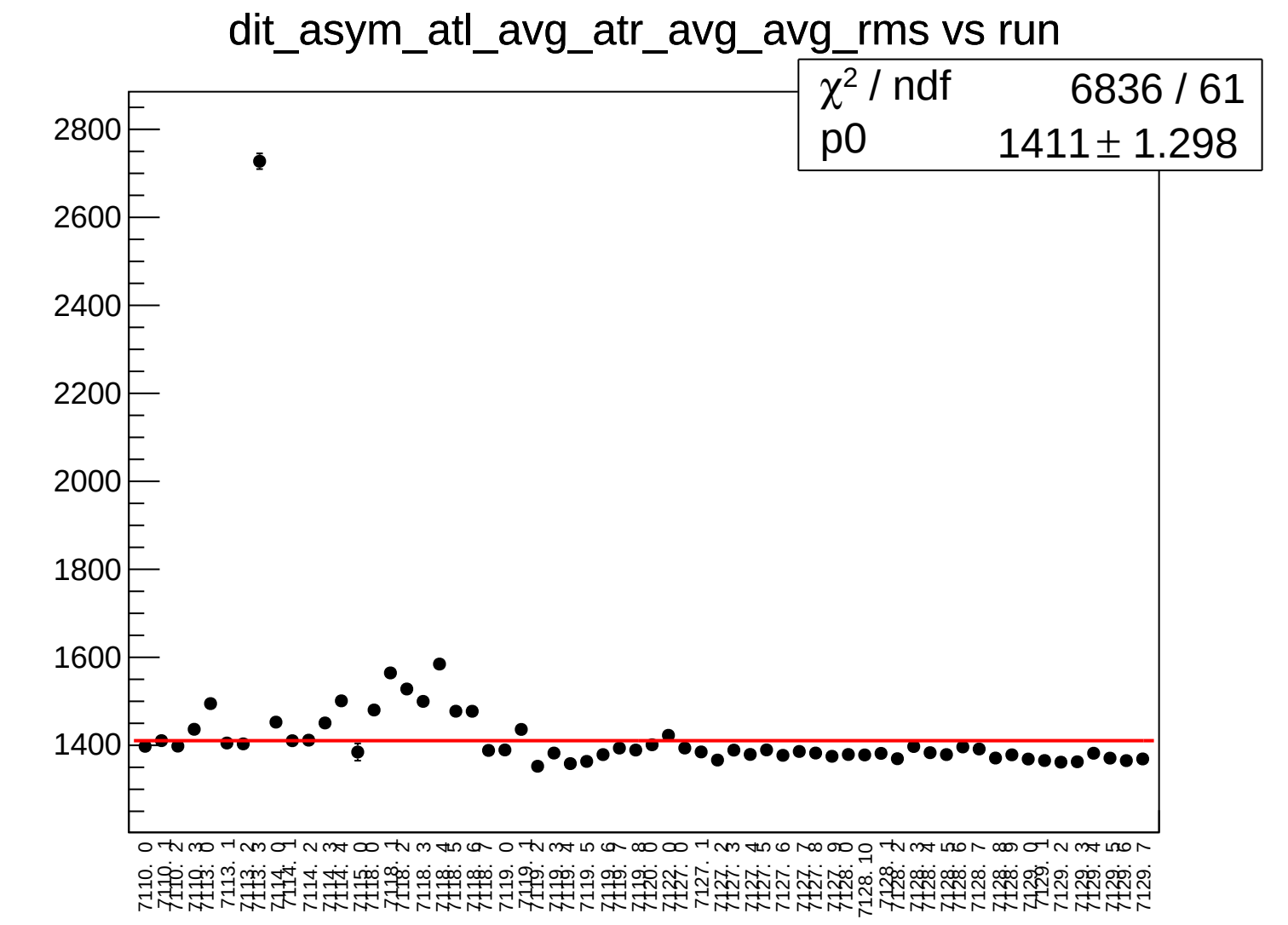

asym_atr_dd_mean vs run
χ² / ndf 60.07 / 61
p0 −2728 ± 6758
×10³
pull
Entries 62
Mean −2.705
Std Dev 46.45

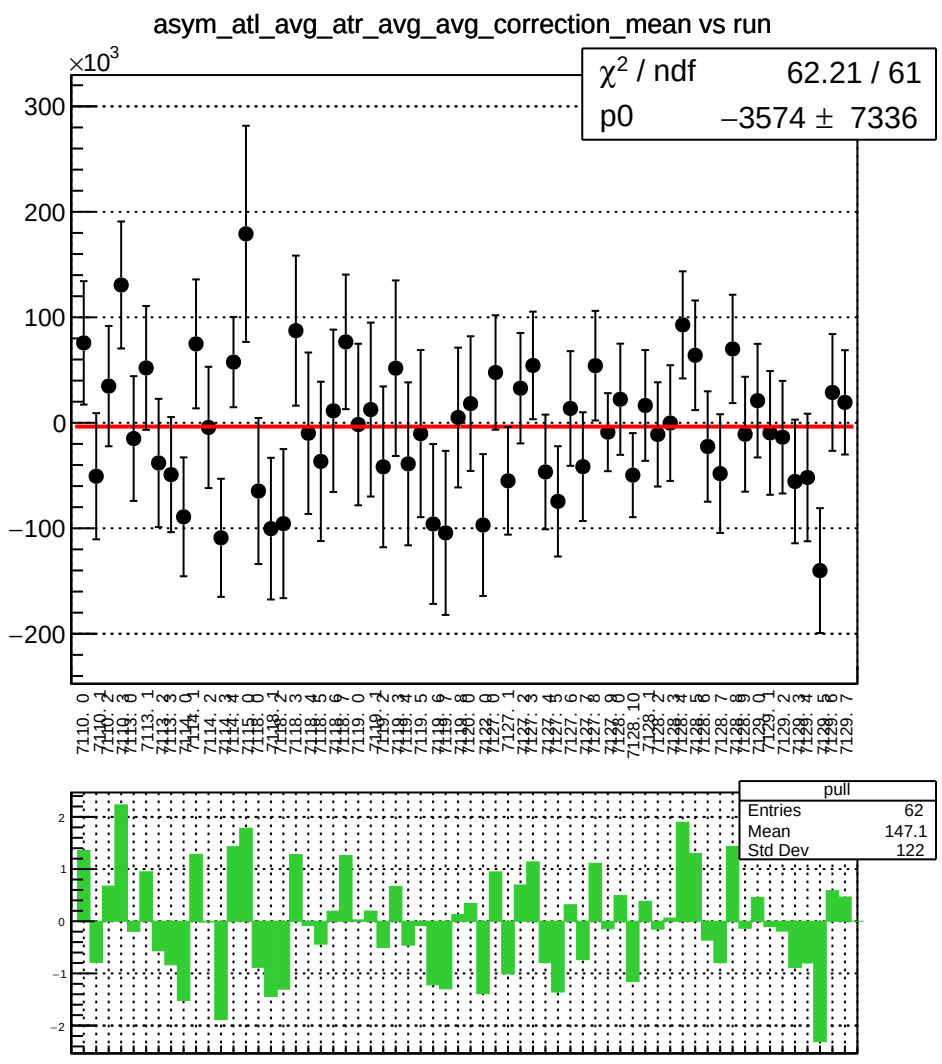

pull1D
Entries 62
Mean −0.02092
Std Dev 0.9841

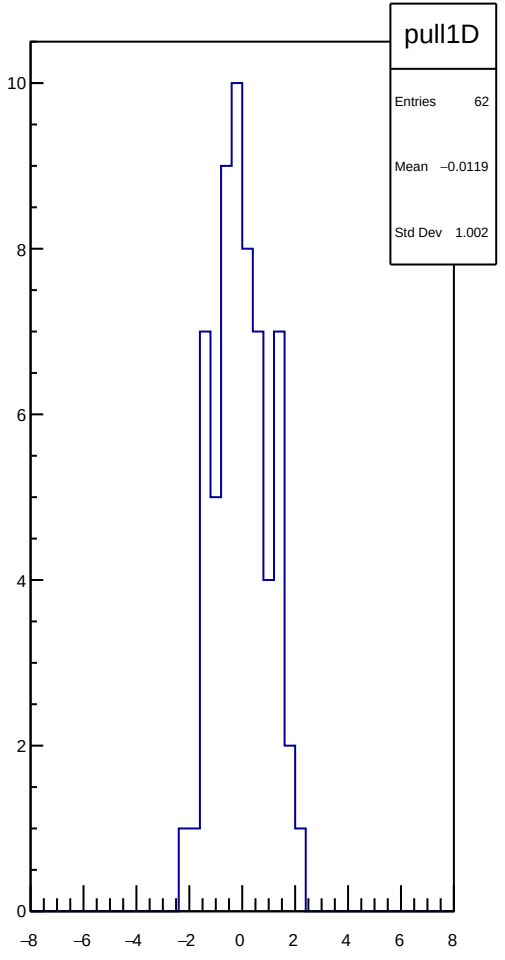

asym_atr_dd_rms vs run
χ^2 / ndf 2.081e+04 / 61
p0 5164 ± 4.778
7000
6500
6000
5500
5000
4500

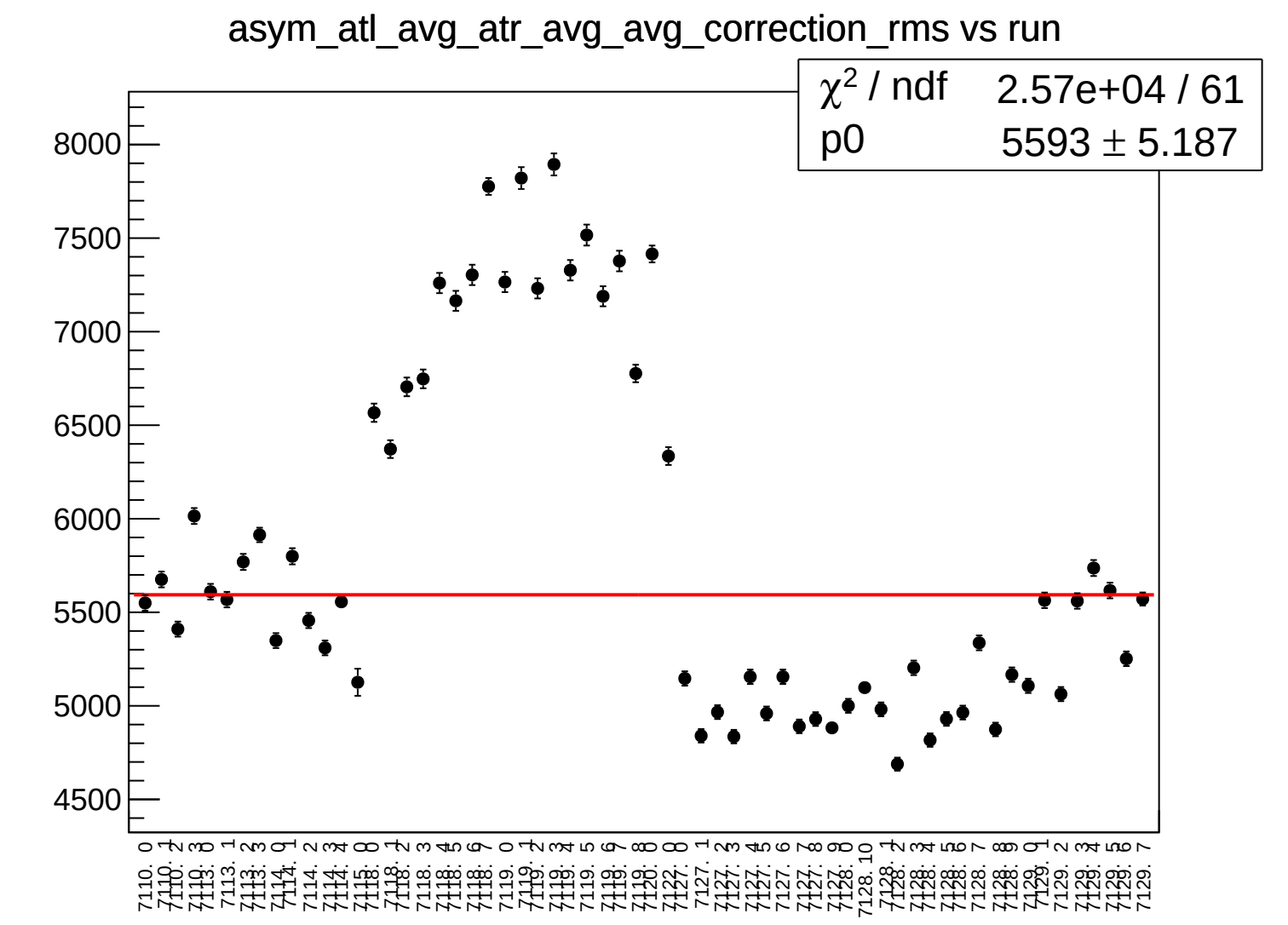

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 73.85 / 61
p0 4353 ± 1835
60000
40000
20000
0
−20000
−40000
pull
Entries 62
Mean −90.92
Std Dev 82.03
2
1
0
−1
−2

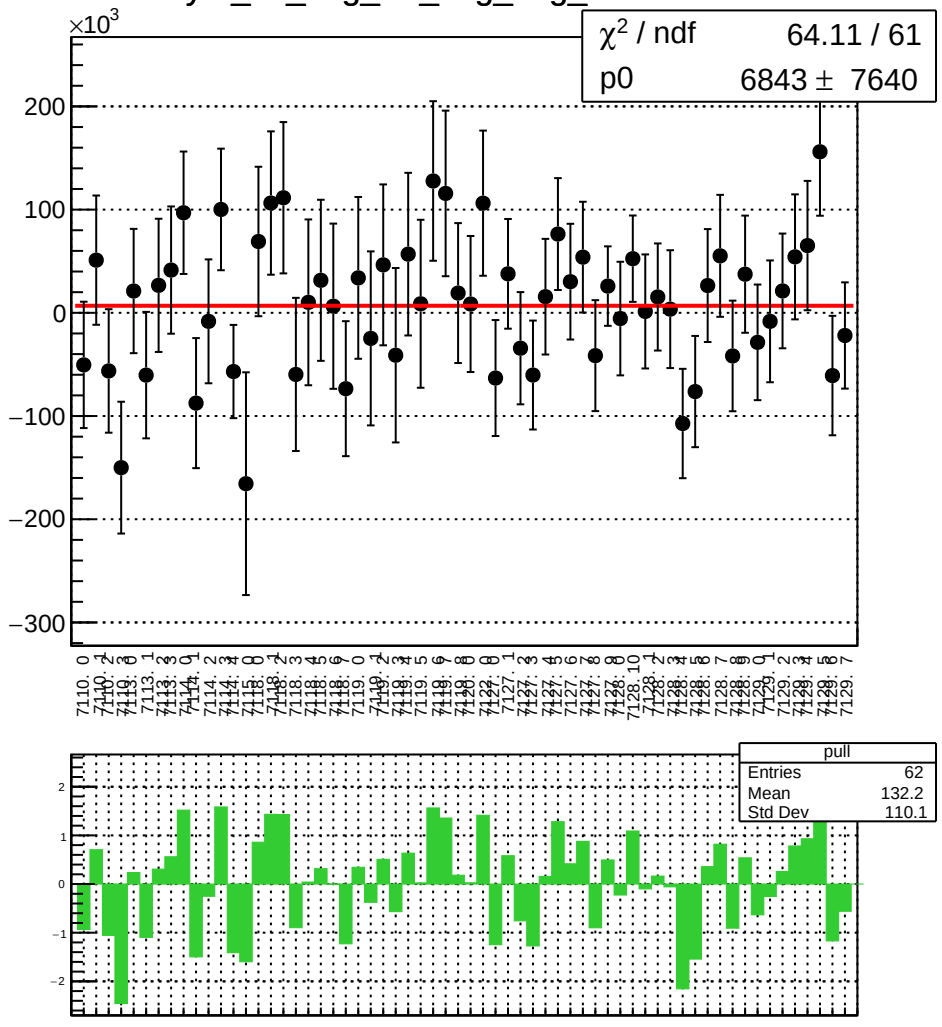

pull1D
Entries 62
Mean −0.01069
Std Dev 1.091
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

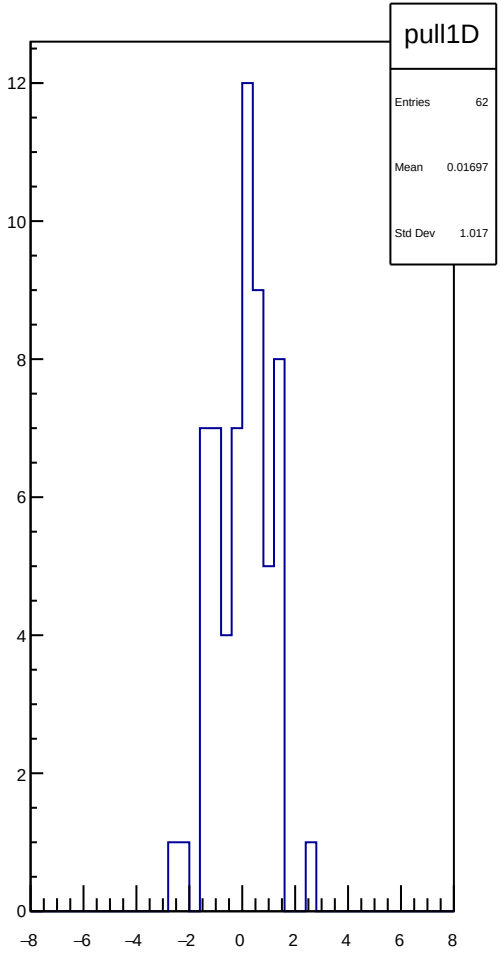

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6836 / 61
p0 1411 ± 1.298
2800
2600
2400
2200
2000
1800
1600
1400

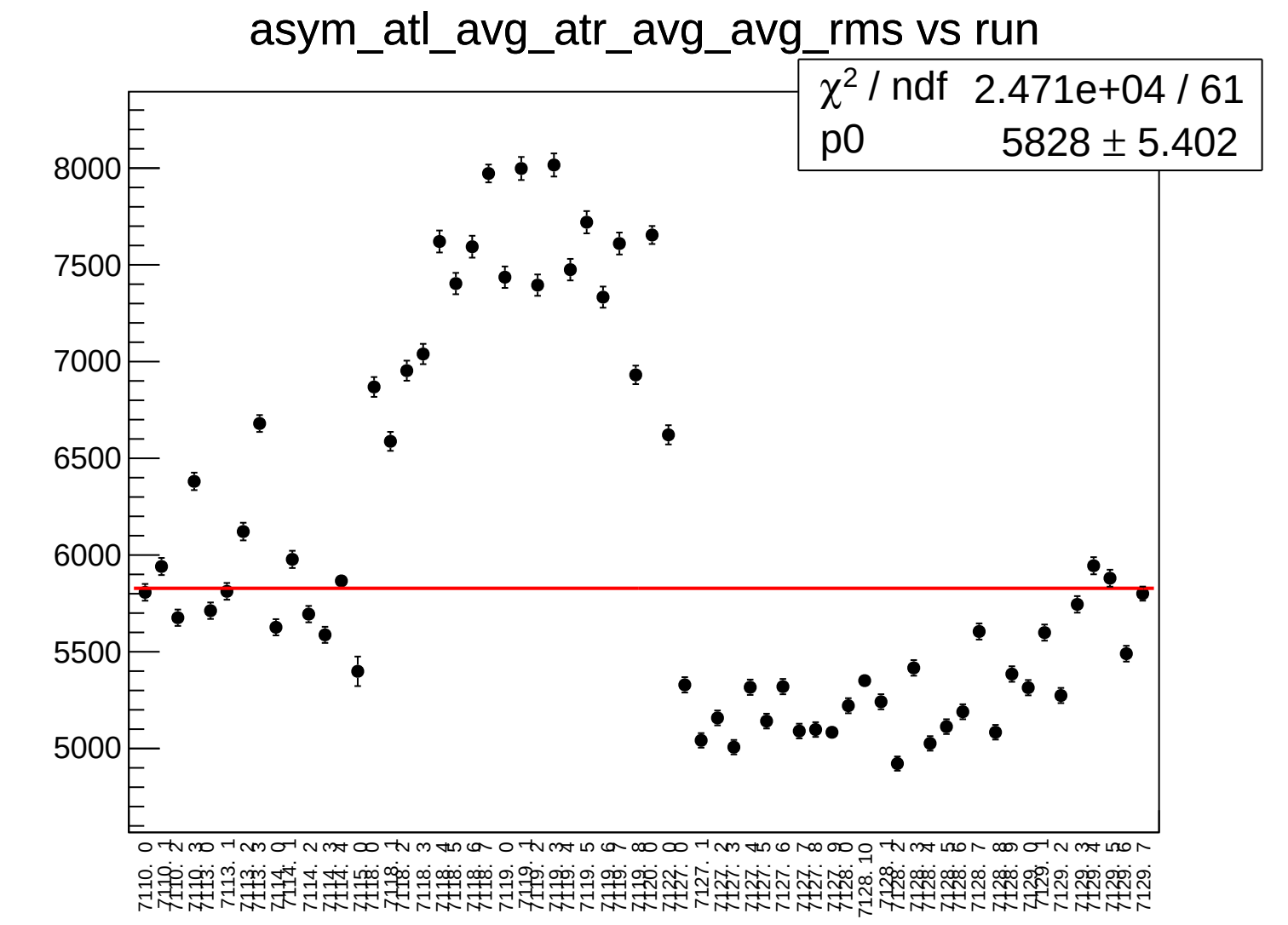

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 62.21 / 61
p0 −3574 ± 7336
300
200
100
0
−100
−200
pull
Entries 62
Mean 147.1
Std Dev 122
2
1
0
−1
−2

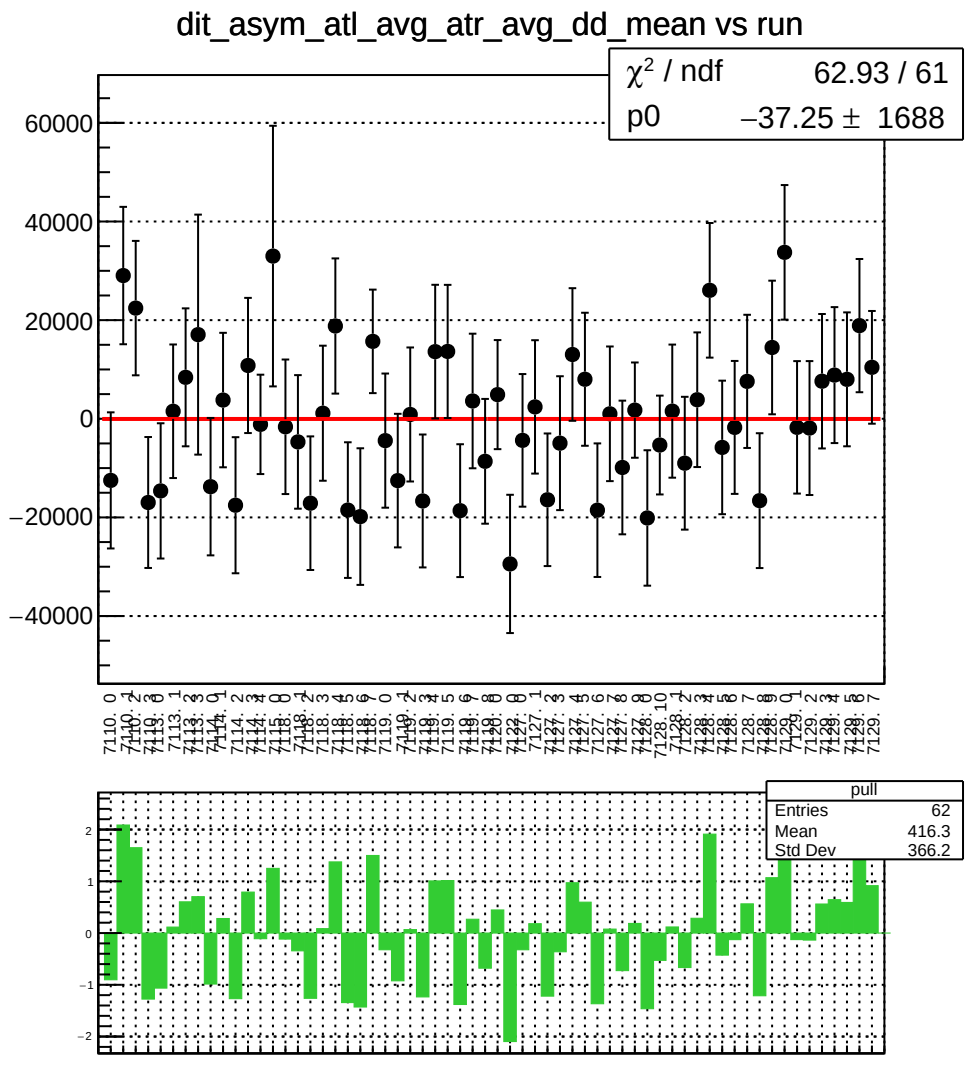

pull1D
Entries 62
Mean −0.0119
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

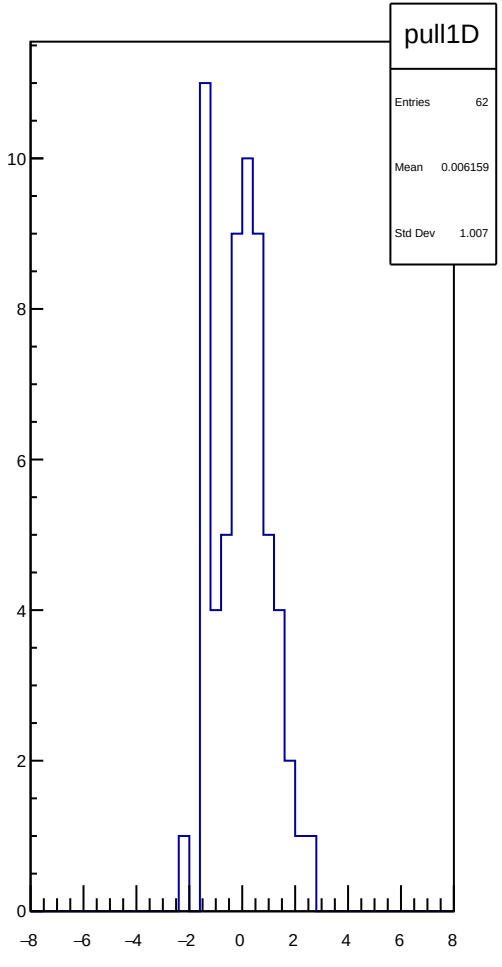

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.57e+04 / 61
p0 5593 ± 5.187
8000
7500
7000
6500
6000
5500
5000
4500

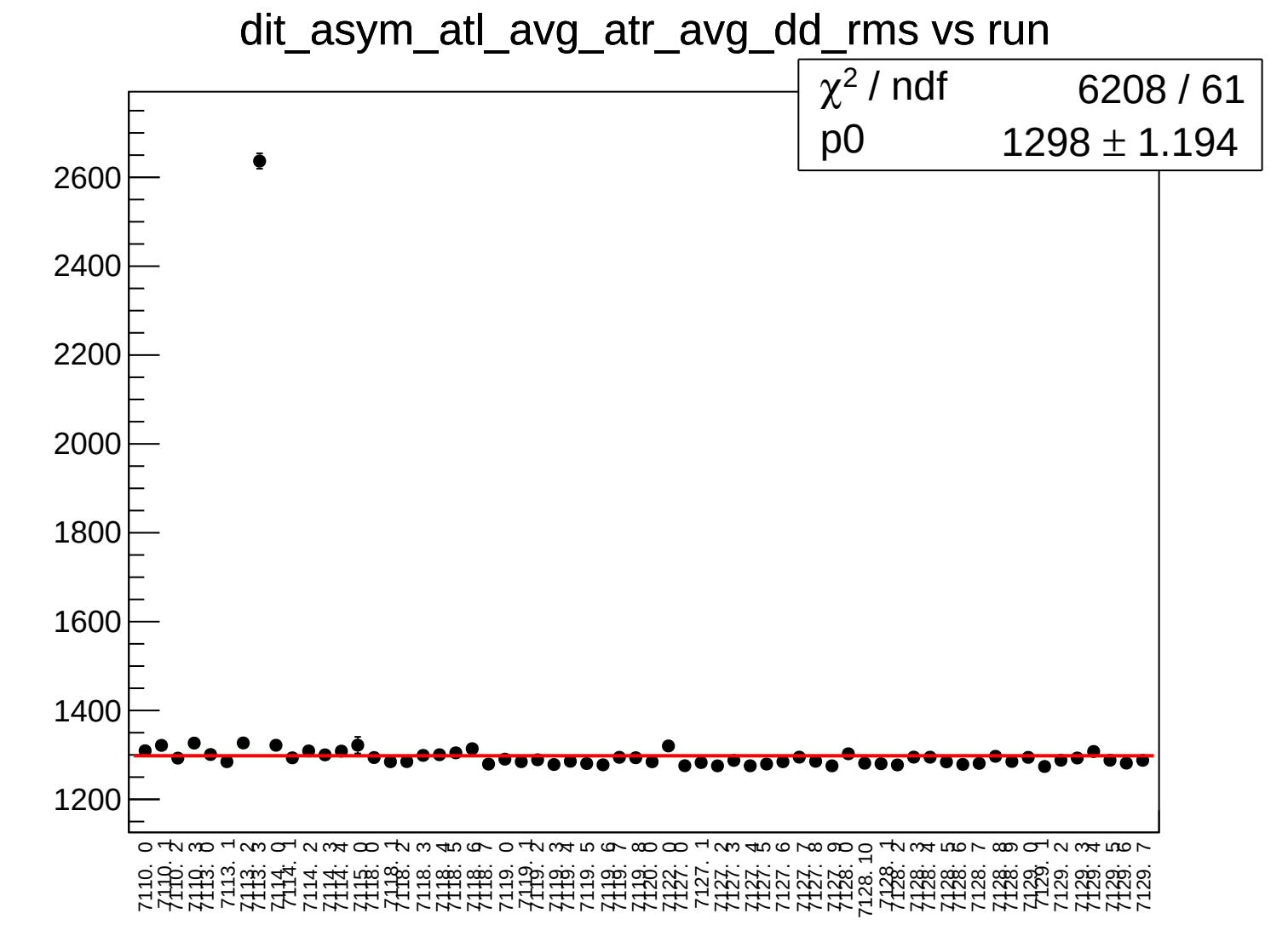

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 64.11 / 61
p0 6843 ± 7640
pull
Entries 62
Mean 132.2
Std Dev 110.1

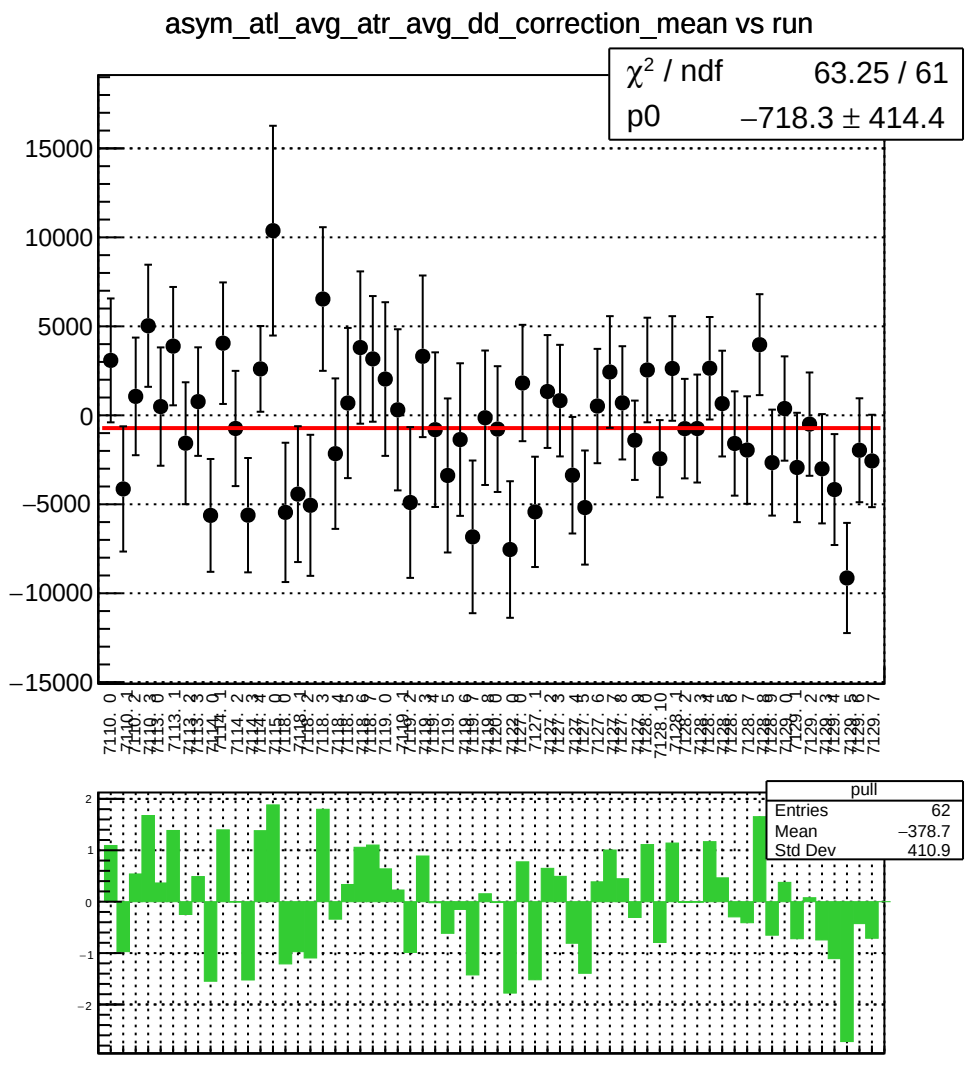

pull1D
Entries 62
Mean 0.01697
Std Dev 1.017

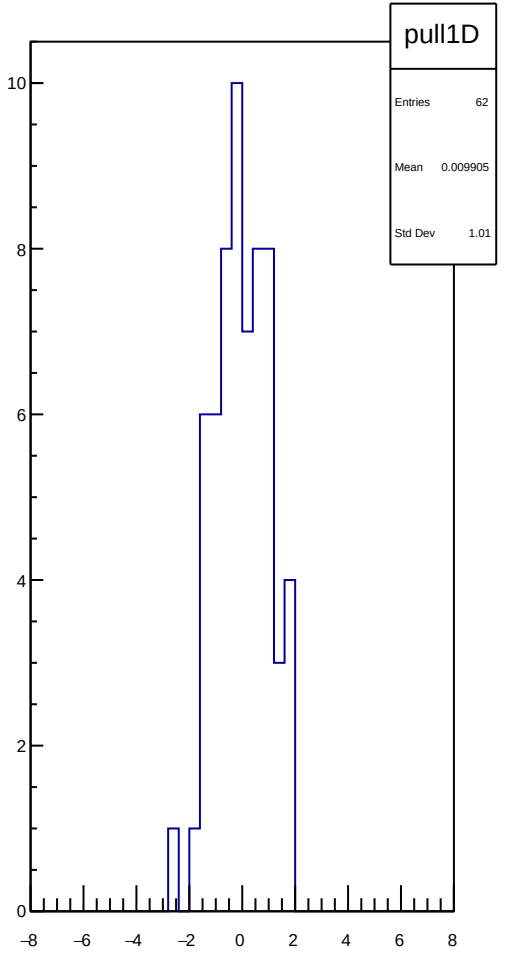

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.471e+04 / 61
p0 5828 ± 5.402
8000
7500
7000
6500
6000
5500
5000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

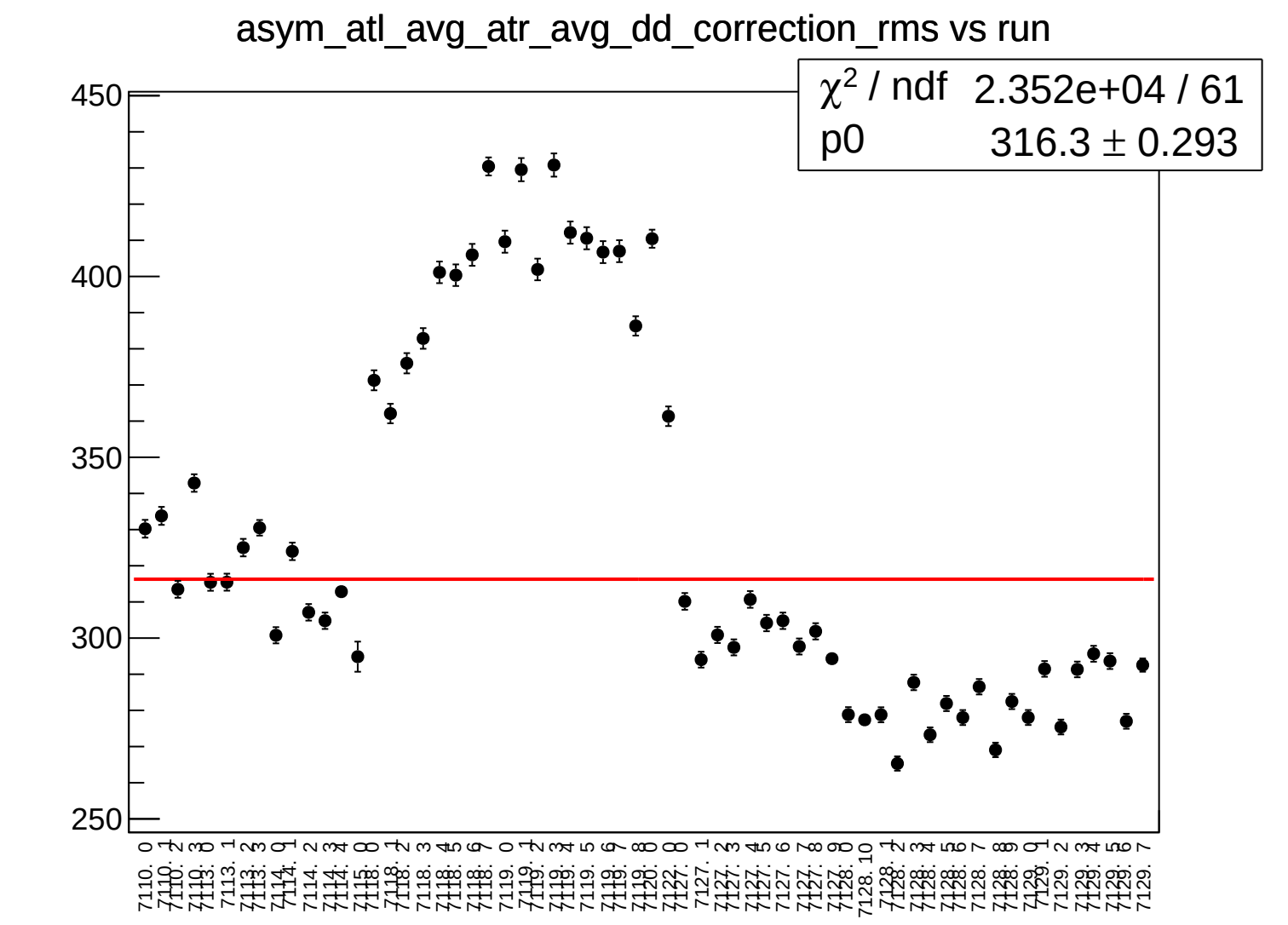

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 62.93 / 61
p0 −37.25 ± 1688
pull
Entries 62
Mean 416.3
Std Dev 366.2

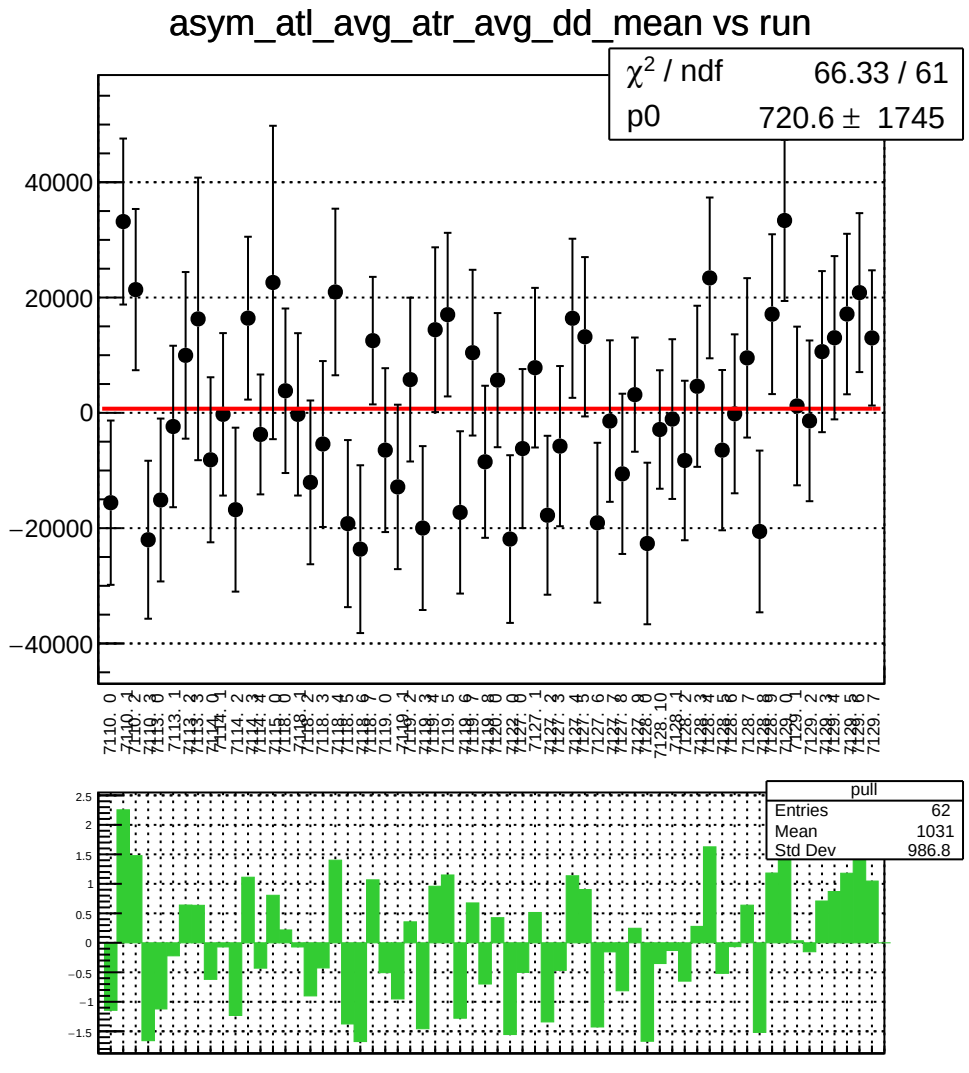

pull1D
Entries 62
Mean 0.006159
Std Dev 1.007

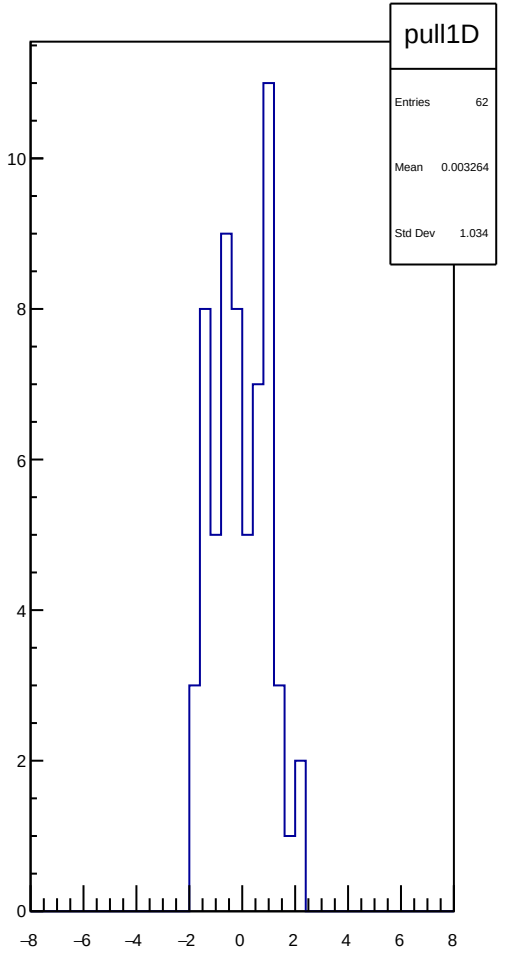

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6208 / 61
p0 1298 ± 1.194
2600
2400
2200
2000
1800
1600
1400
1200

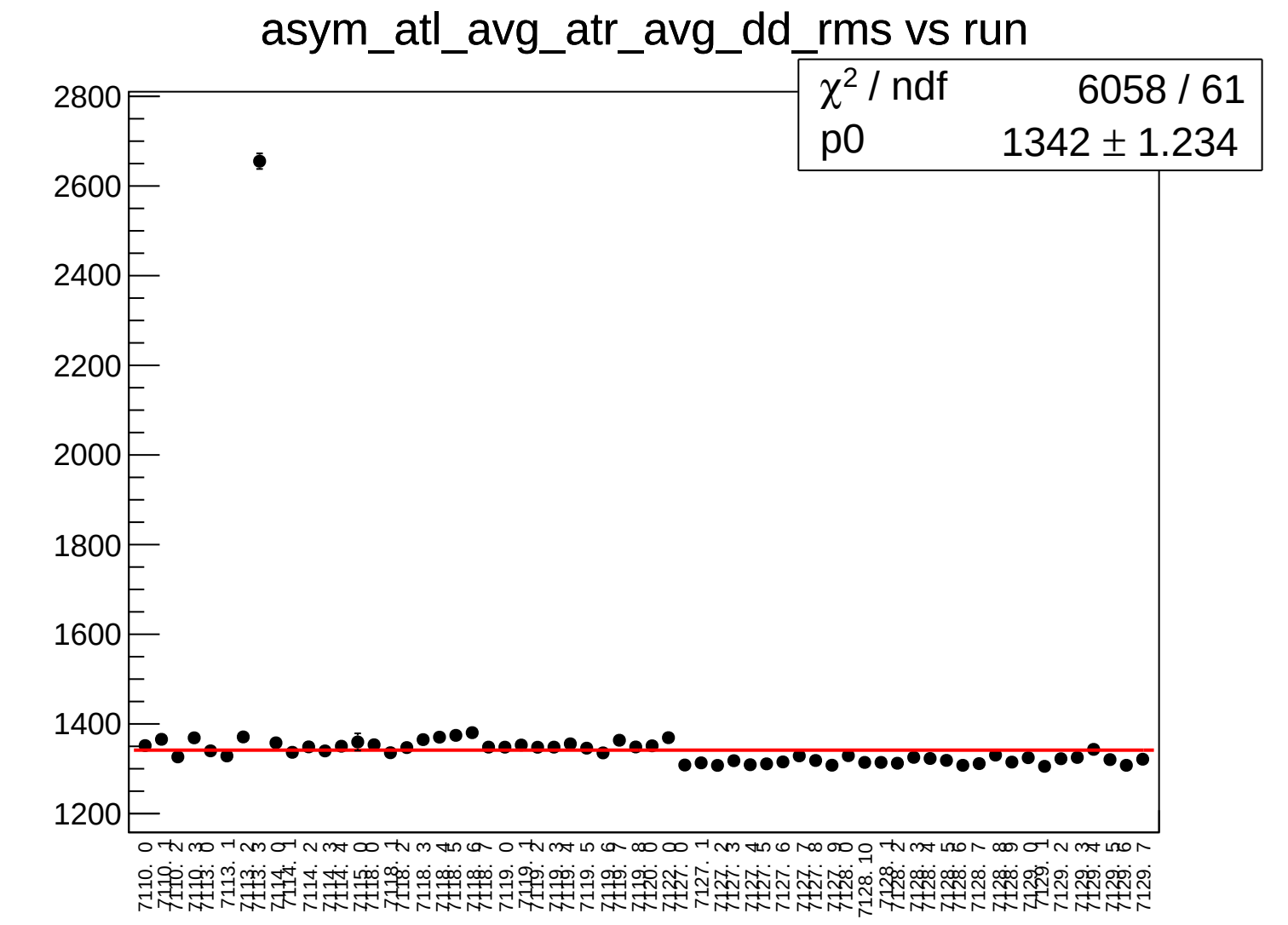

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 63.25 / 61
p0 −718.3 ± 414.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 62
Mean −378.7
Std Dev 410.9
2
1
0
−1
−2

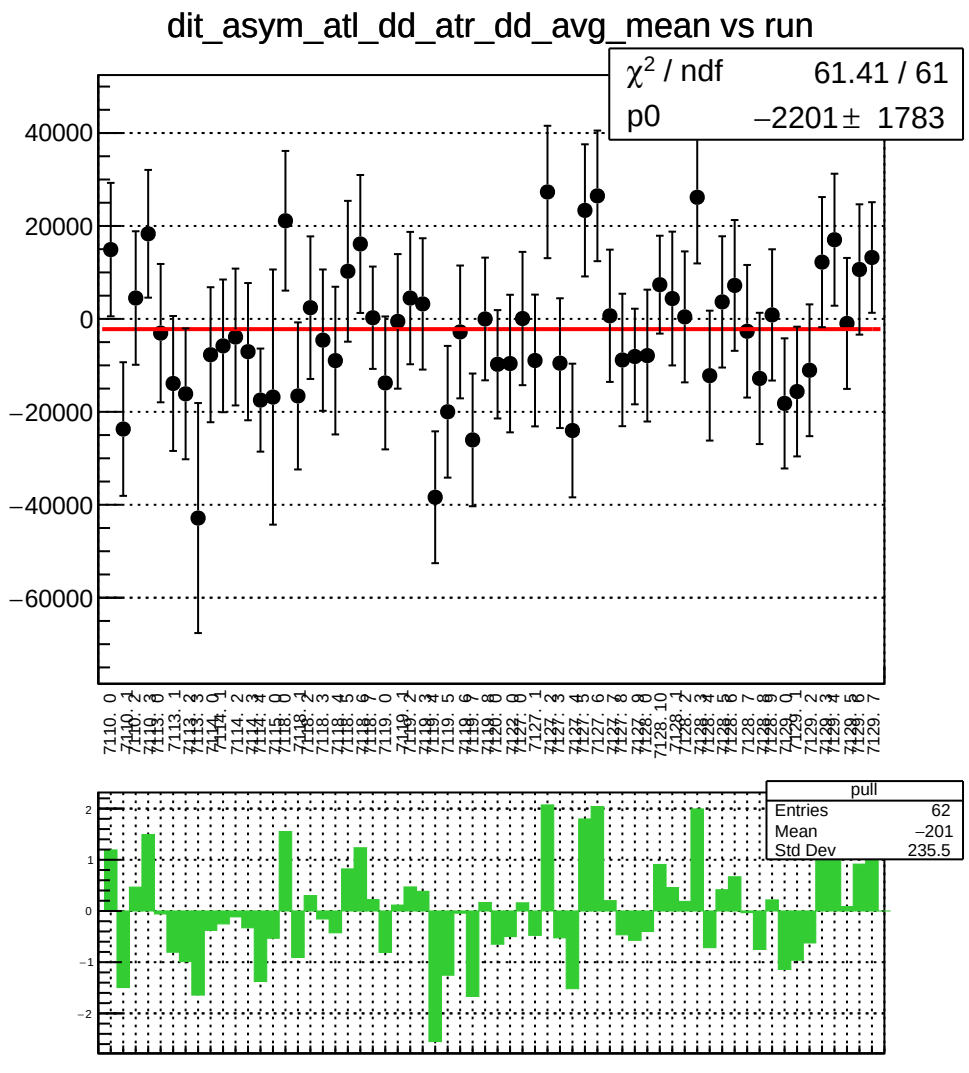

pull1D
Entries 62
Mean 0.009905
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

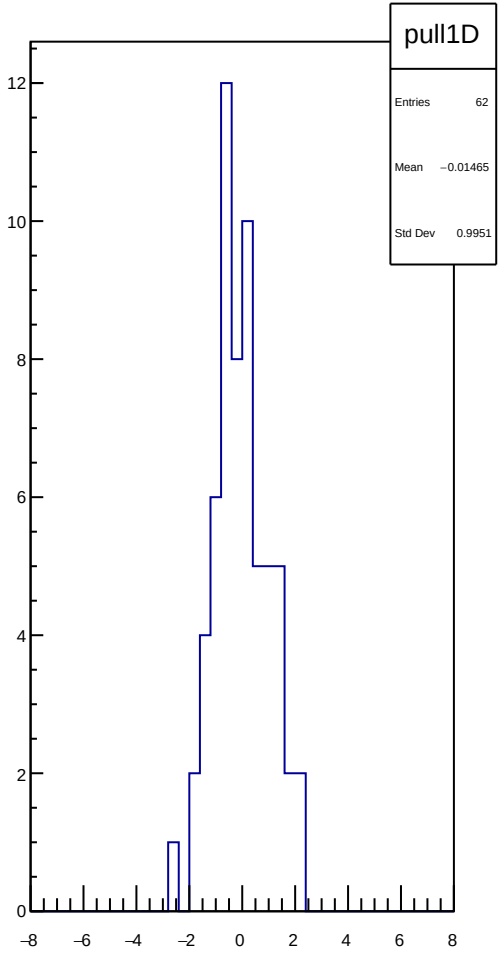

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 2.352e+04 / 61
p0 316.3 ± 0.293
450
400
350
300
250

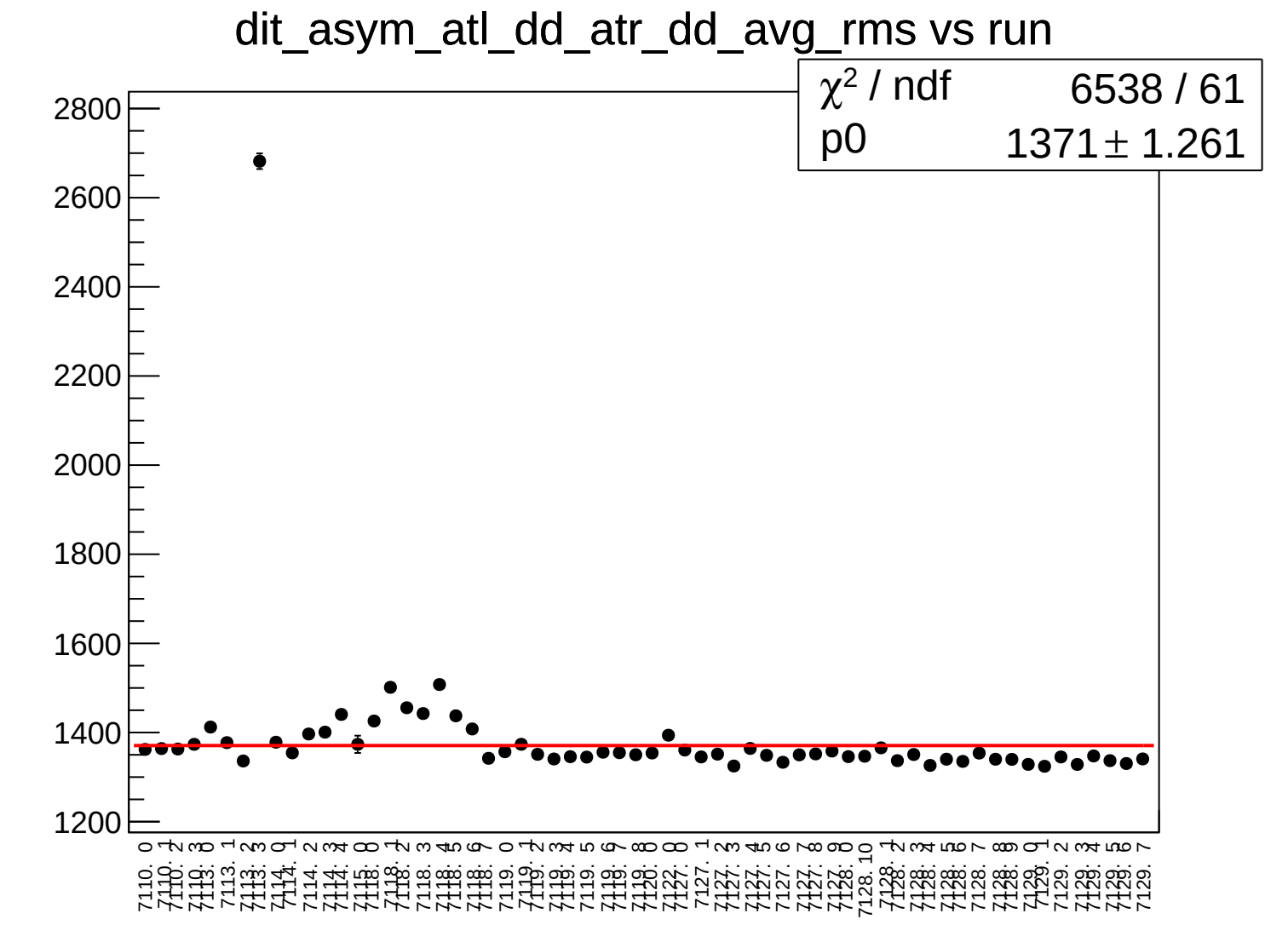

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 66.33 / 61
p0 720.6 ± 1745
40000
20000
0
−20000
−40000
pull
Entries 62
Mean 1031
Std Dev 986.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

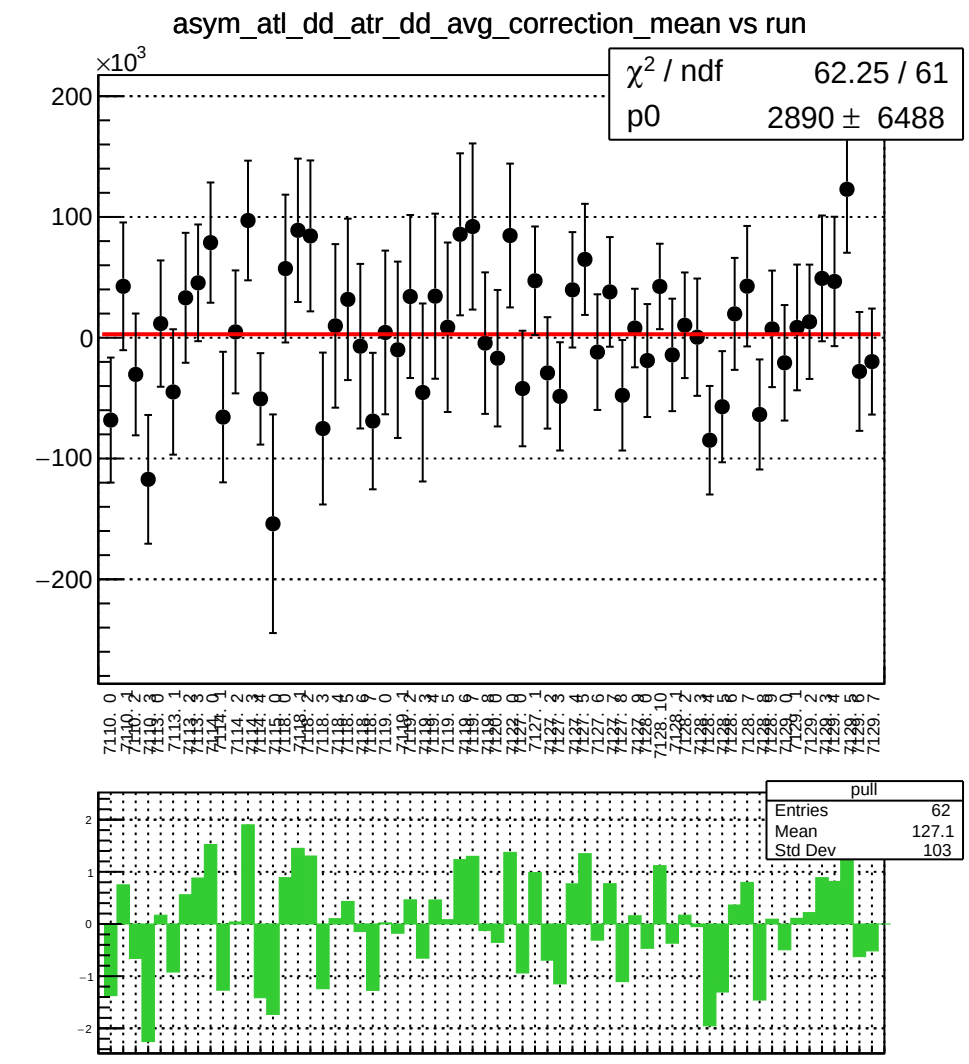

pull1D
Entries 62
Mean 0.003264
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

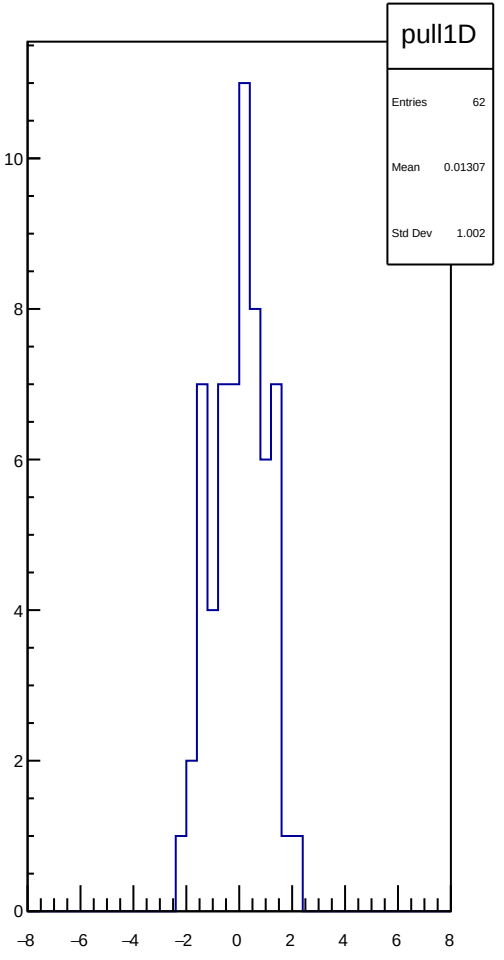

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6058 / 61
p0 1342 ± 1.234
2800
2600
2400
2200
2000
1800
1600
1400
1200

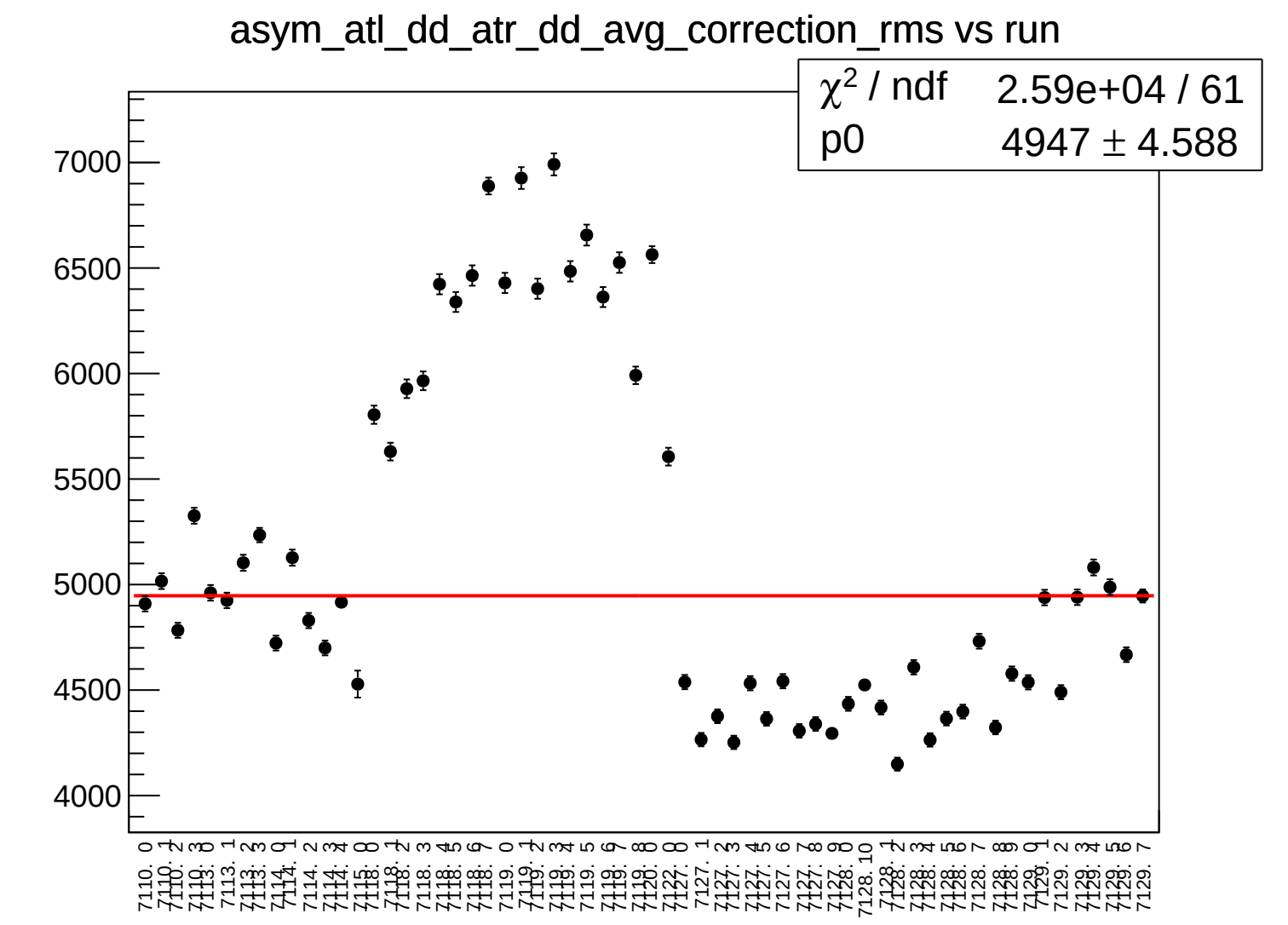

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 61.41 / 61
p0 −2201 ± 1783
40000
20000
0
−20000
−40000
−60000
pull
Entries 62
Mean −201
Std Dev 235.5
2
1
0
−1
−2

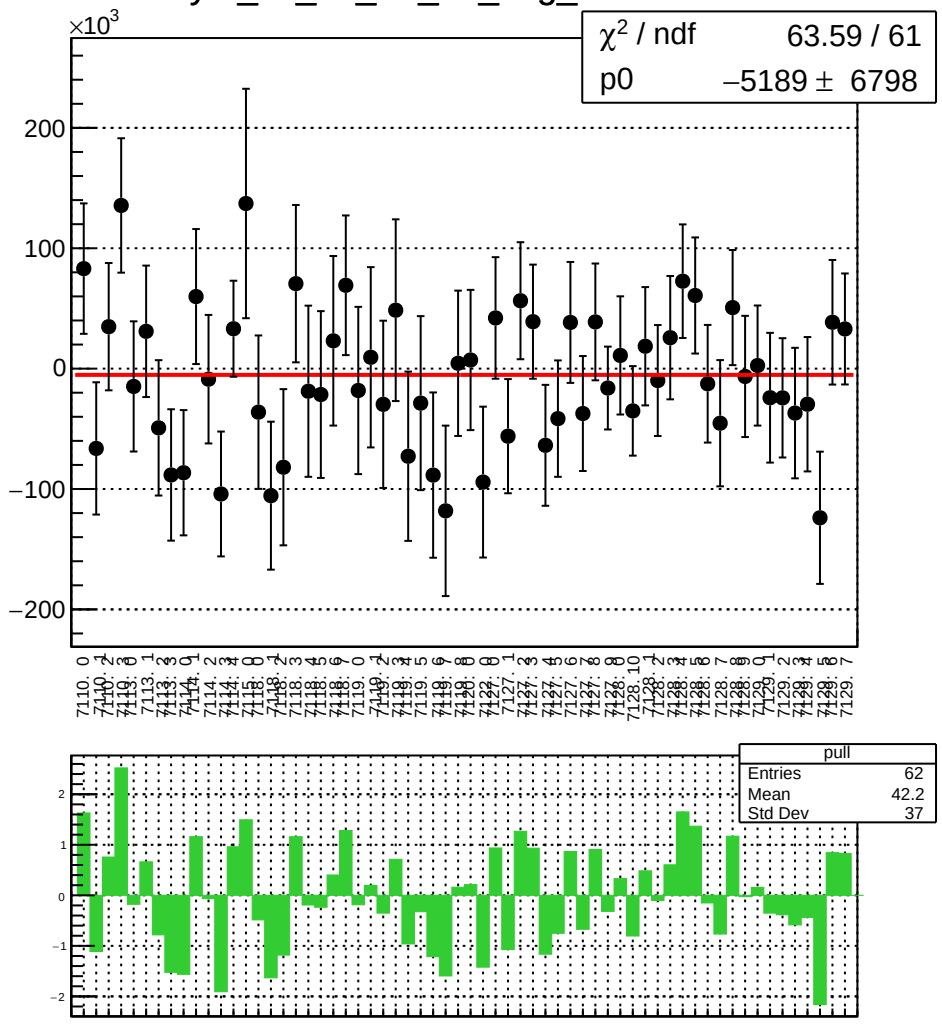

pull1D
Entries 62
Mean −0.01465
Std Dev 0.9951
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

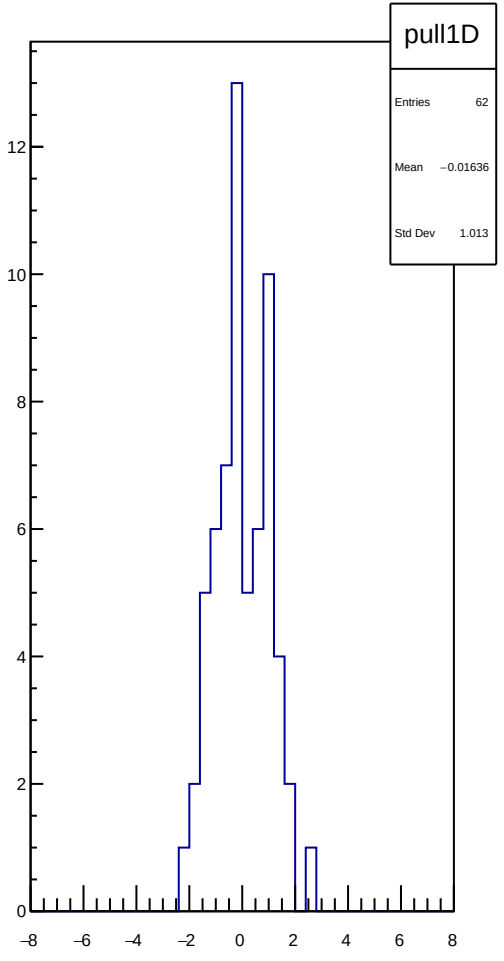

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6538 / 61
p0 1371 ± 1.261
2800
2600
2400
2200
2000
1800
1600
1400
1200

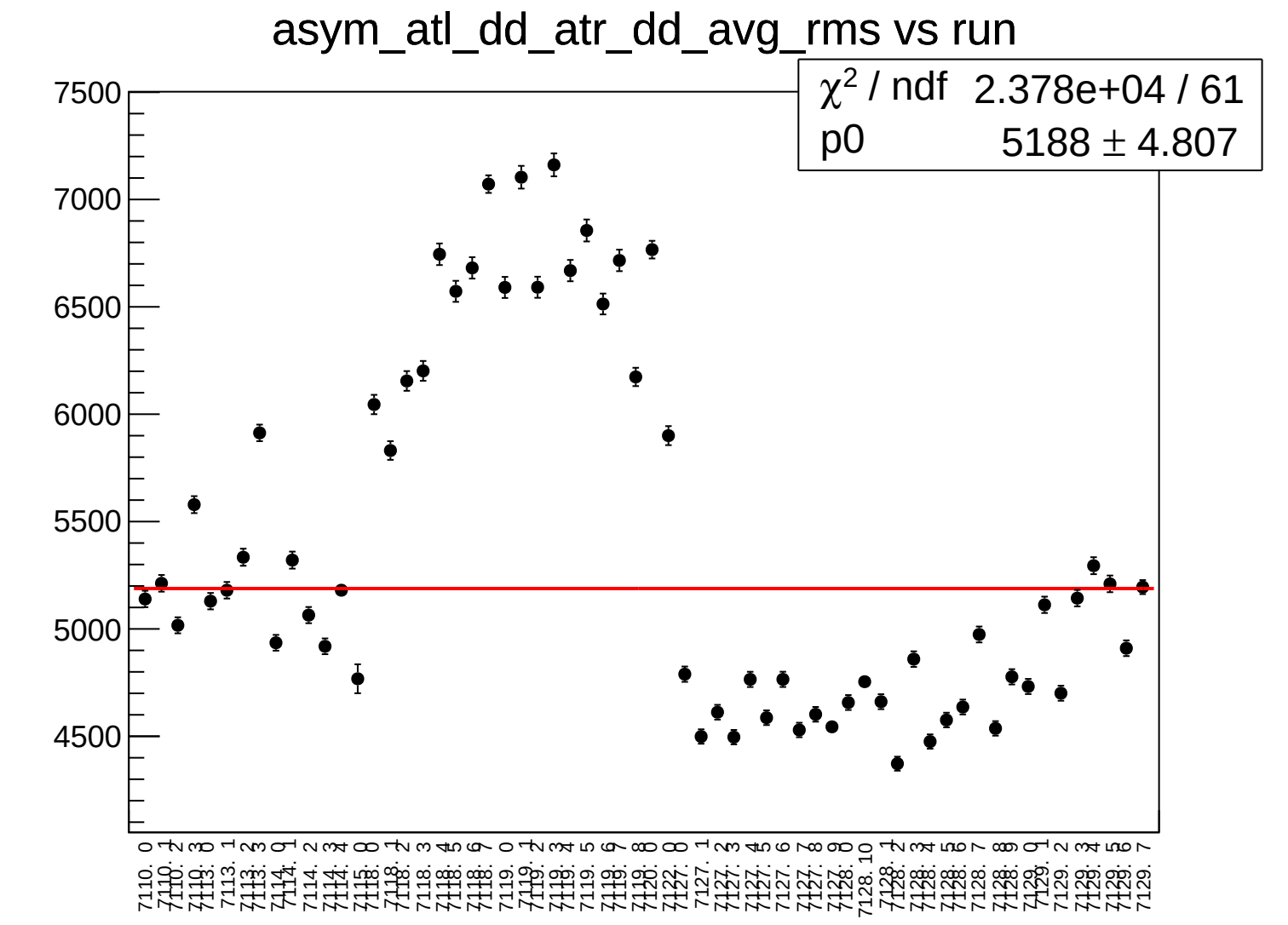

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 62.25 / 61
p0 2890 ± 6488
200
100
0
−100
−200
pull
Entries 62
Mean 127.1
Std Dev 103
2
1
0
−1
−2

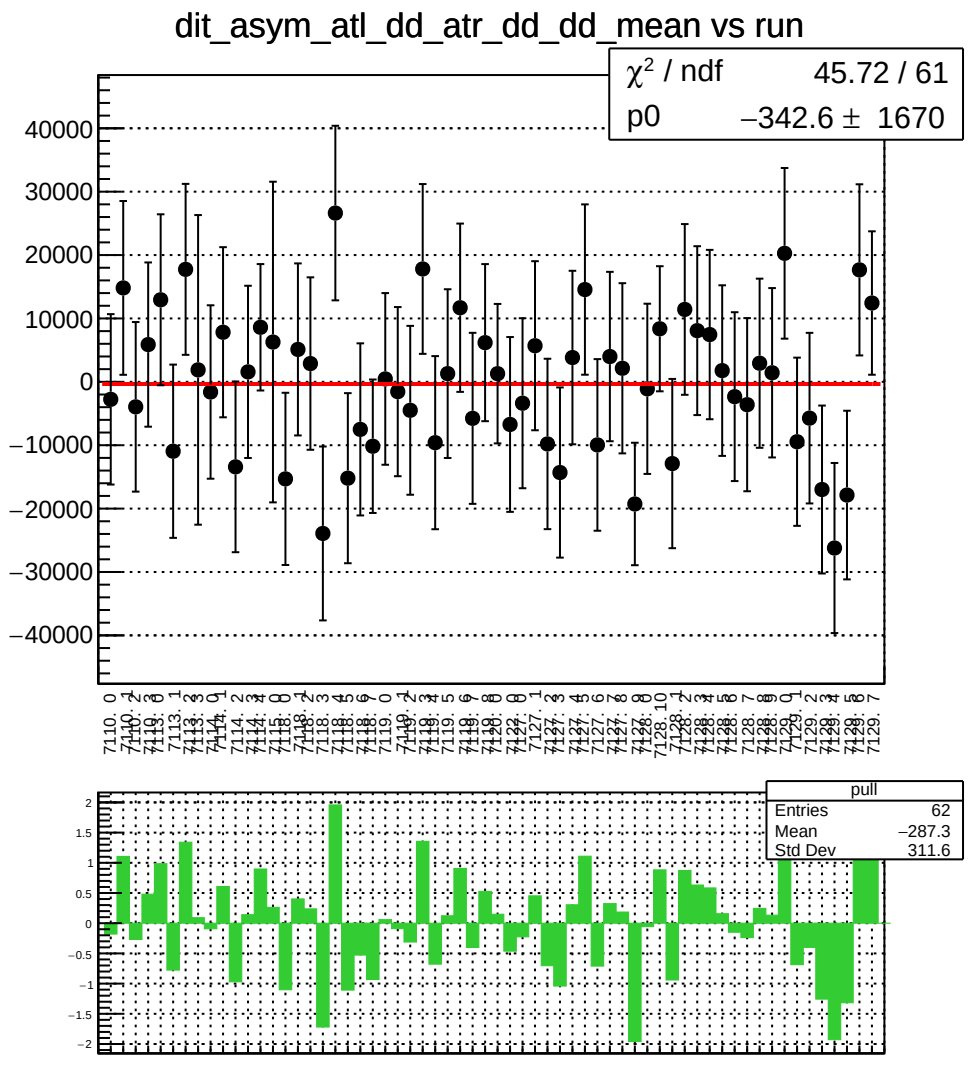

pull1D
Entries 62
Mean 0.01307
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

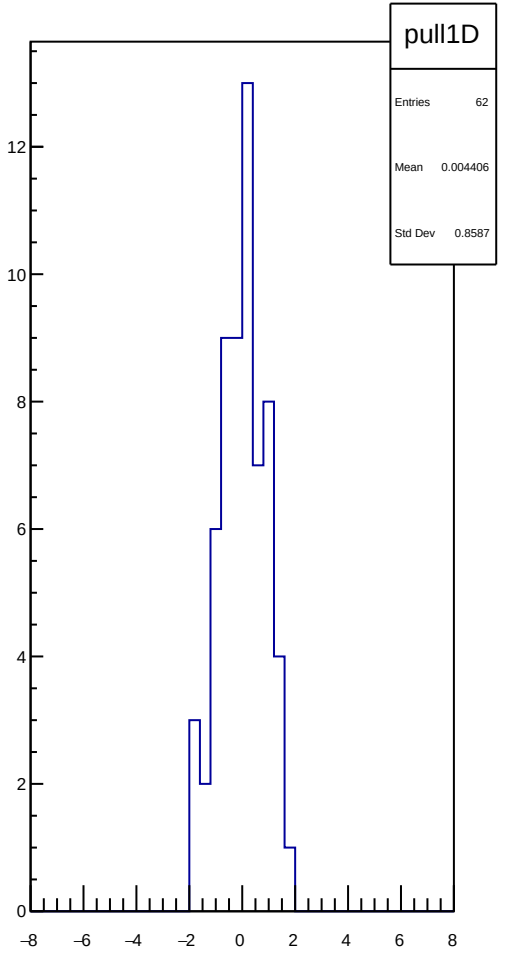

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 2.59e+04 / 61
p0 4947 ± 4.588
7000
6500
6000
5500
5000
4500
4000

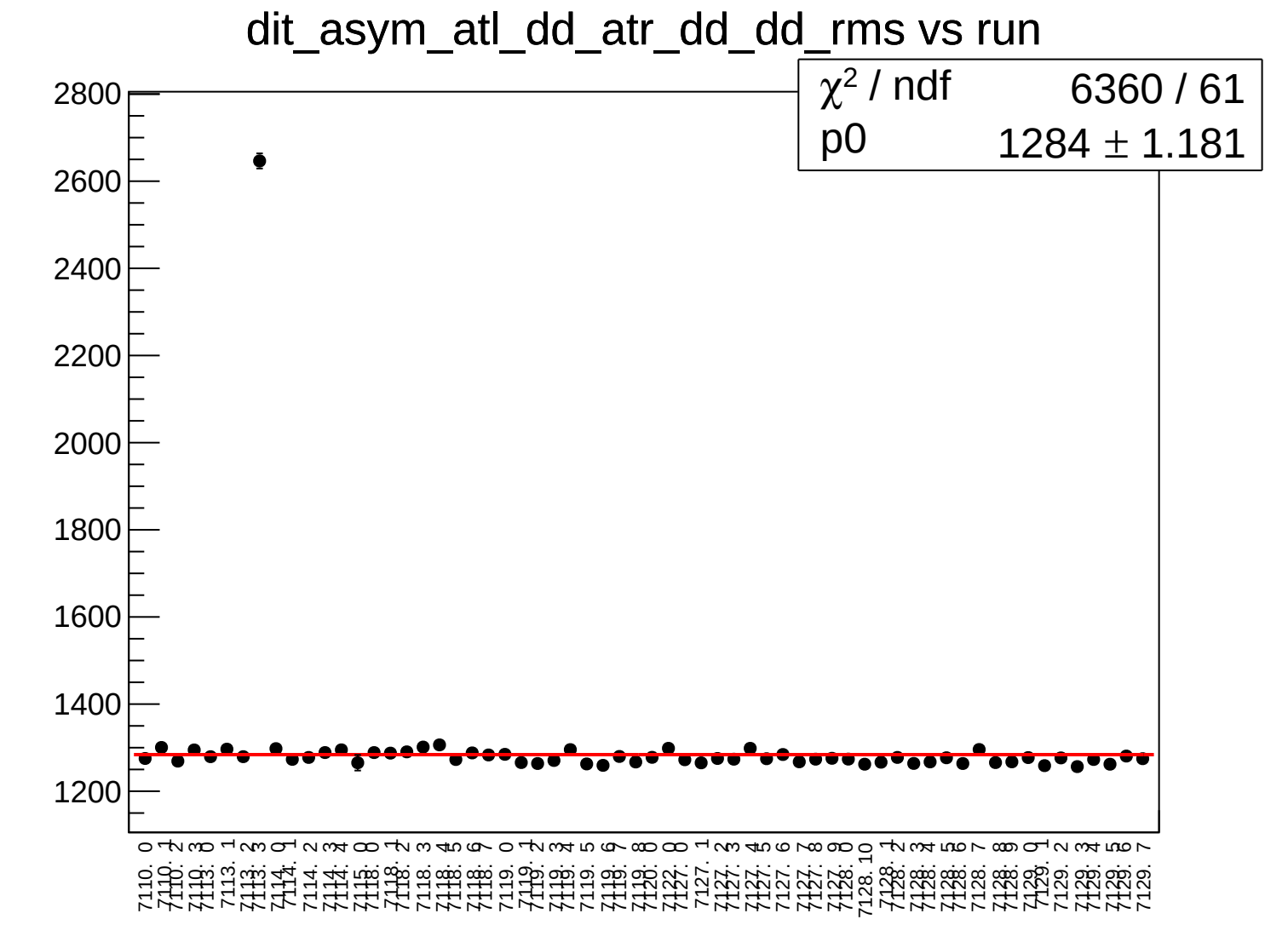

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 63.59 / 61
p0 −5189 ± 6798
200
100
0
−100
−200
pull
Entries 62
Mean 42.2
Std Dev 37
2
1
0
−1
−2

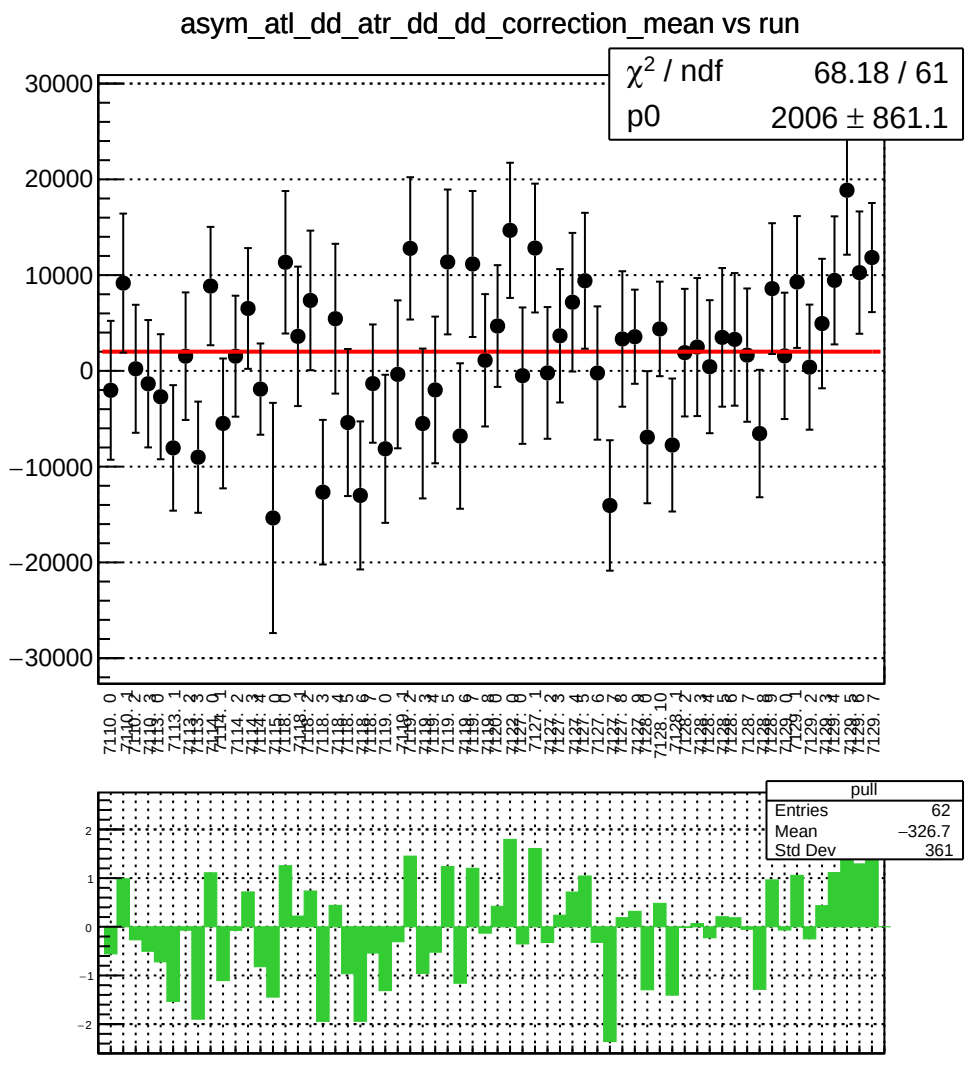

pull1D
Entries 62
Mean −0.01636
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

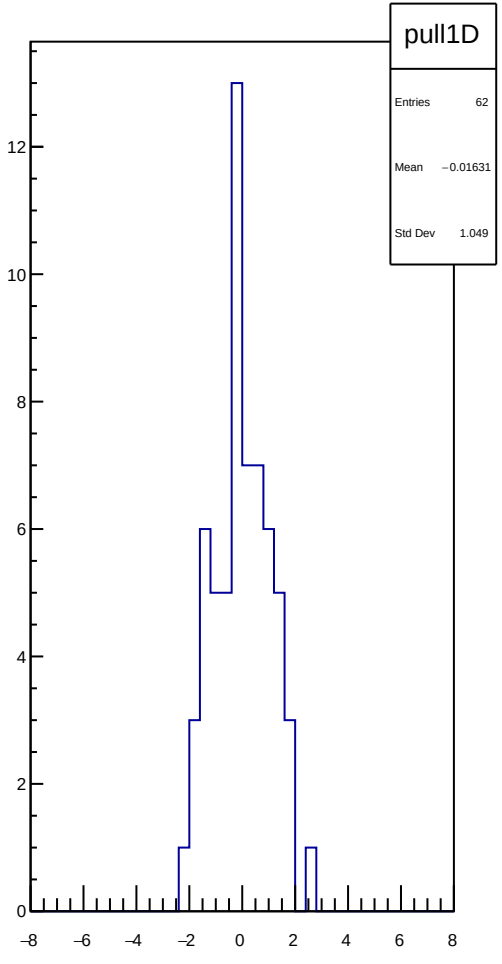

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.378e+04 / 61
p0 5188 ± 4.807
7500
7000
6500
6000
5500
5000
4500

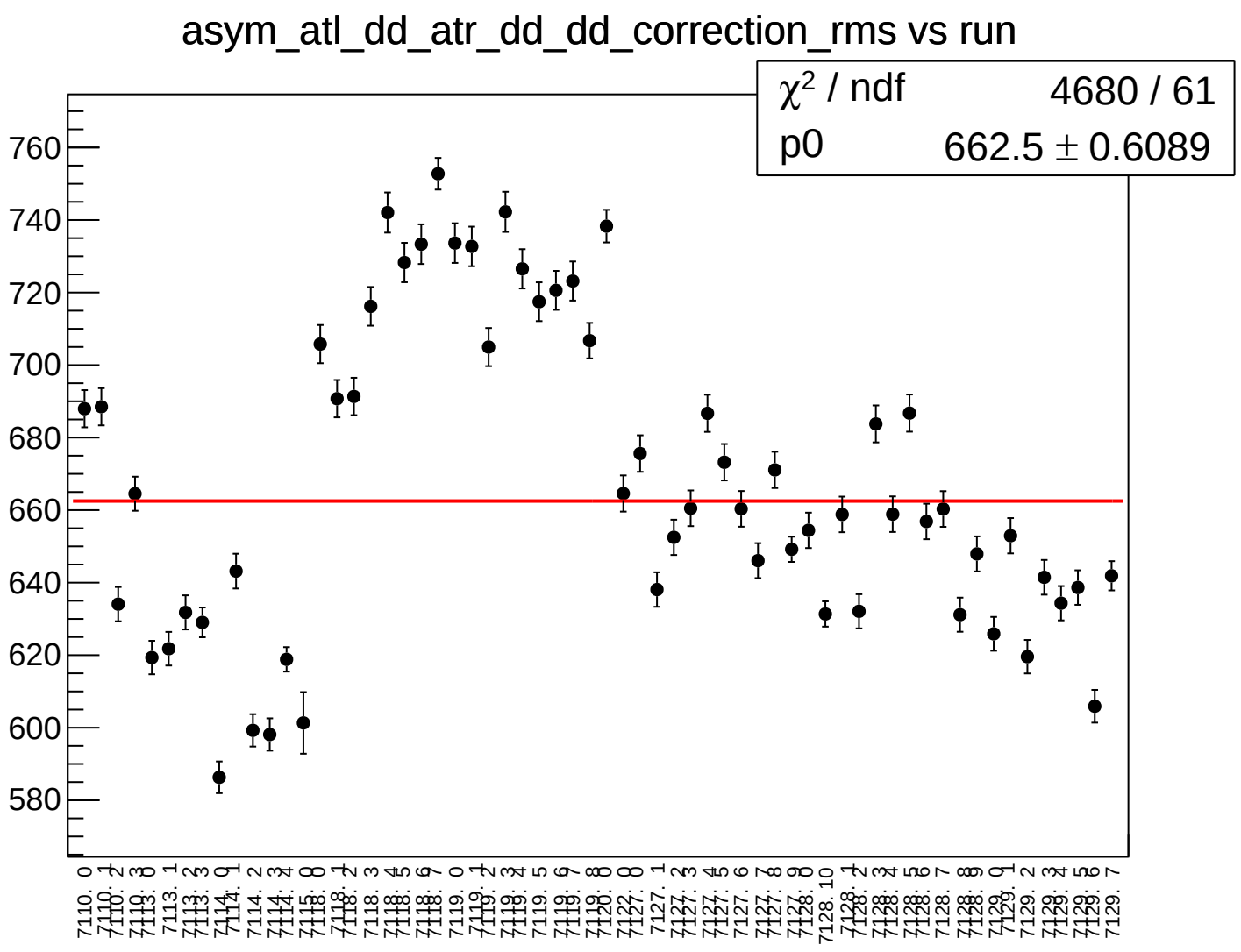

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 45.72 / 61
p0 −342.6 ± 1670
pull
Entries 62
Mean −287.3
Std Dev 311.6

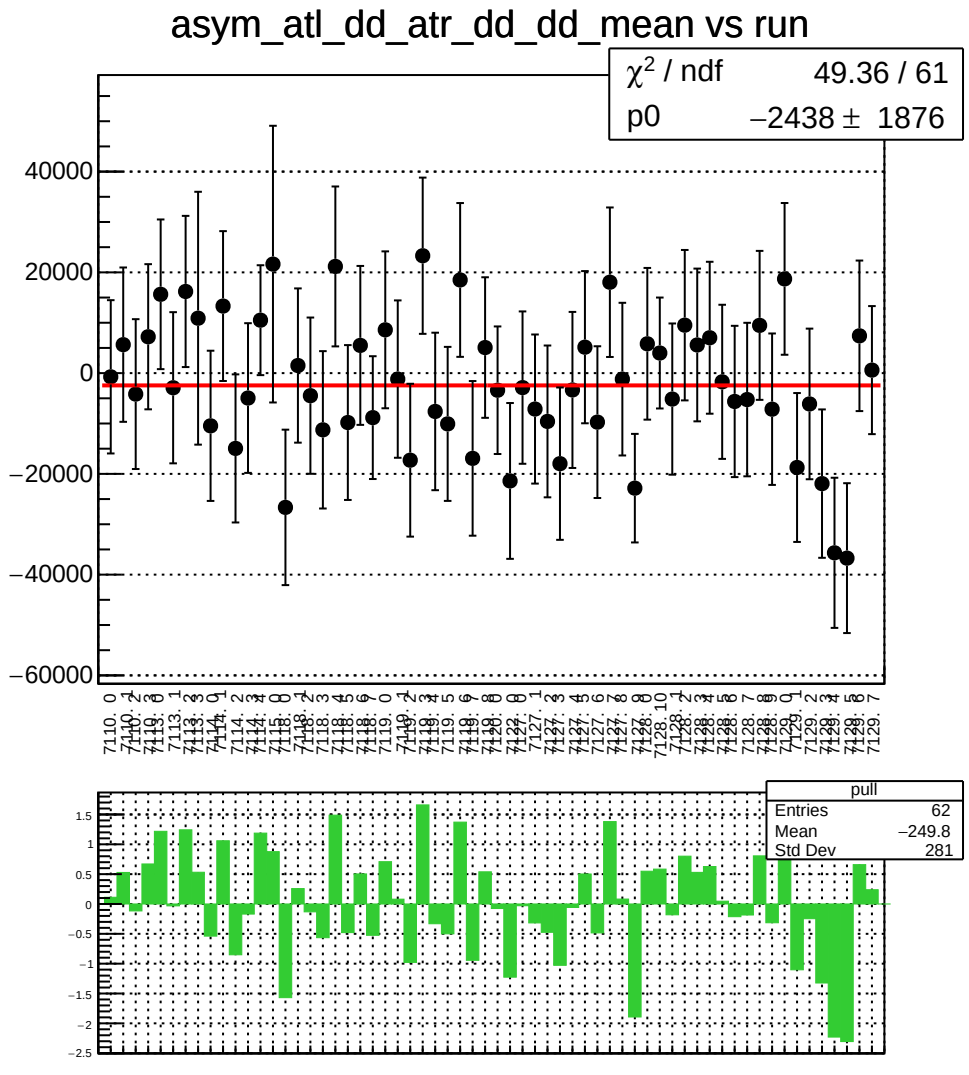

pull1D
Entries 62
Mean 0.004406
Std Dev 0.8587

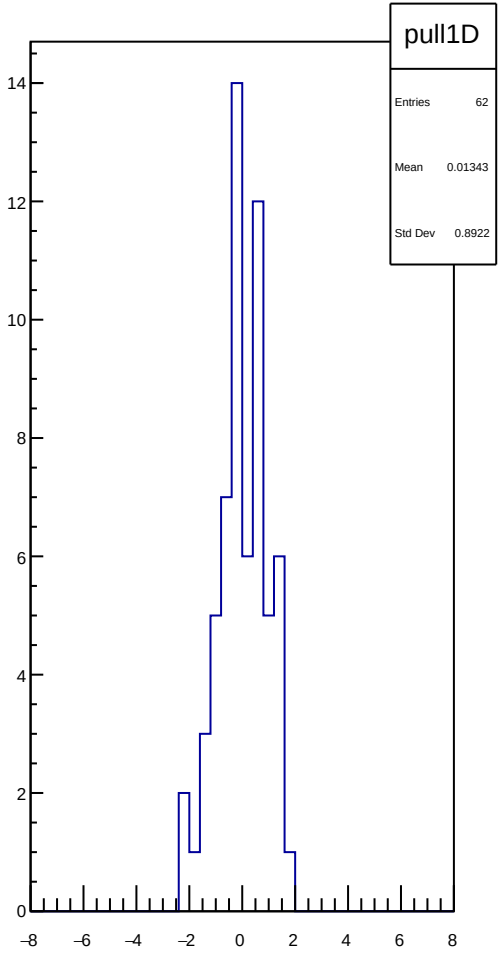

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6360 / 61
p0 1284 ± 1.181
2800
2600
2400
2200
2000
1800
1600
1400
1200
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7122. 8
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

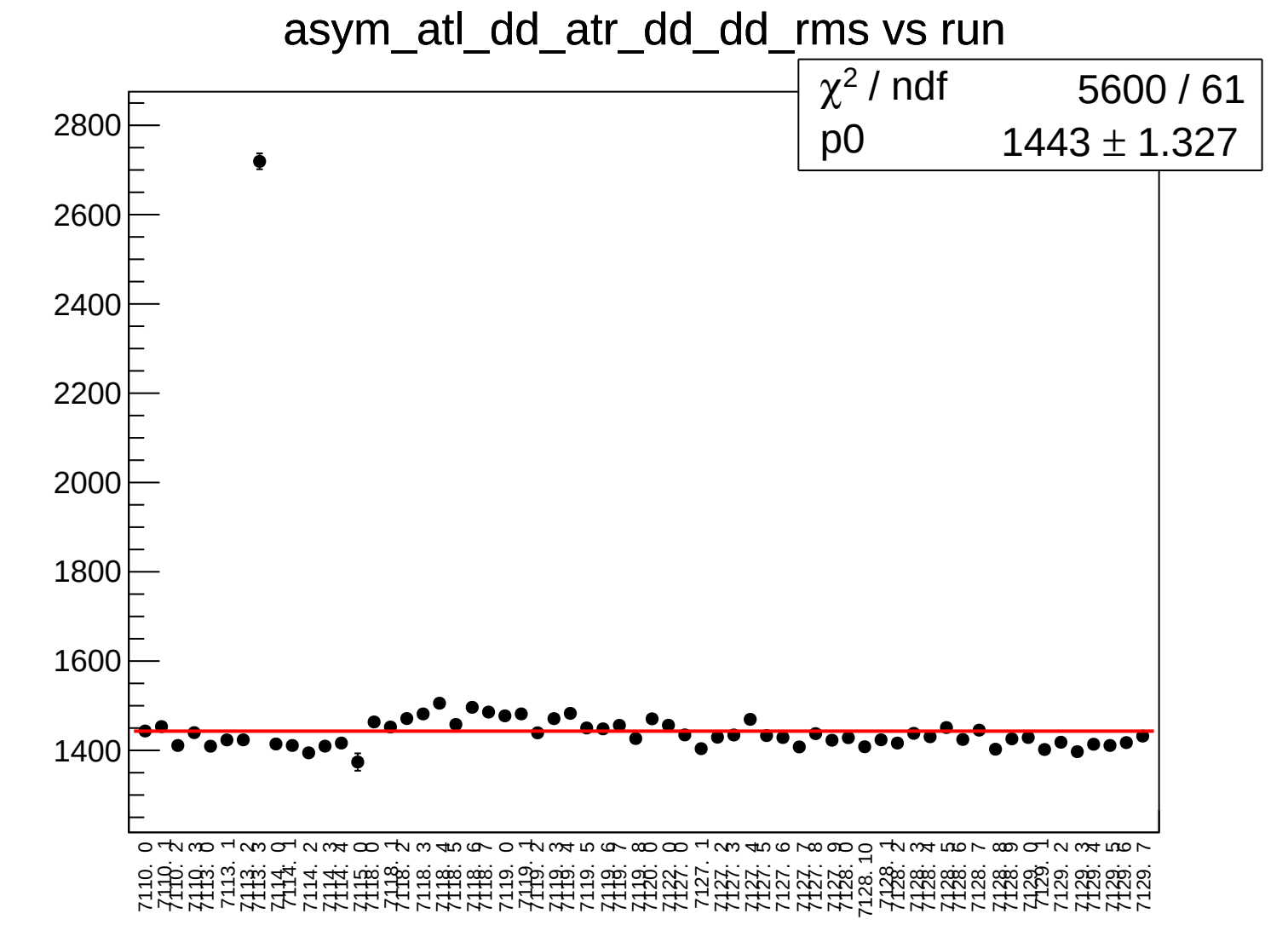

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 68.18 / 61
p0 2006 ± 861.1
pull
Entries 62
Mean −326.7
Std Dev 361

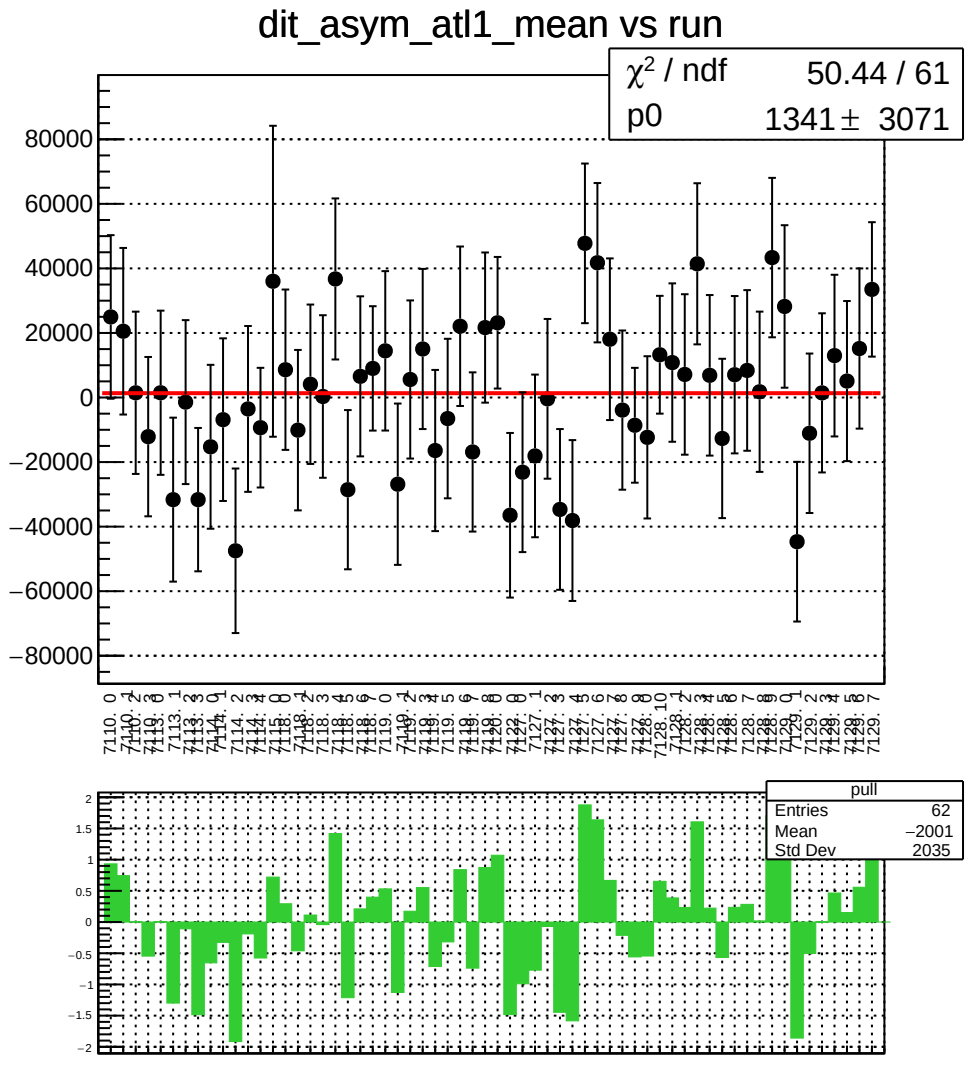

pull1D
Entries 62
Mean −0.01631
Std Dev 1.049

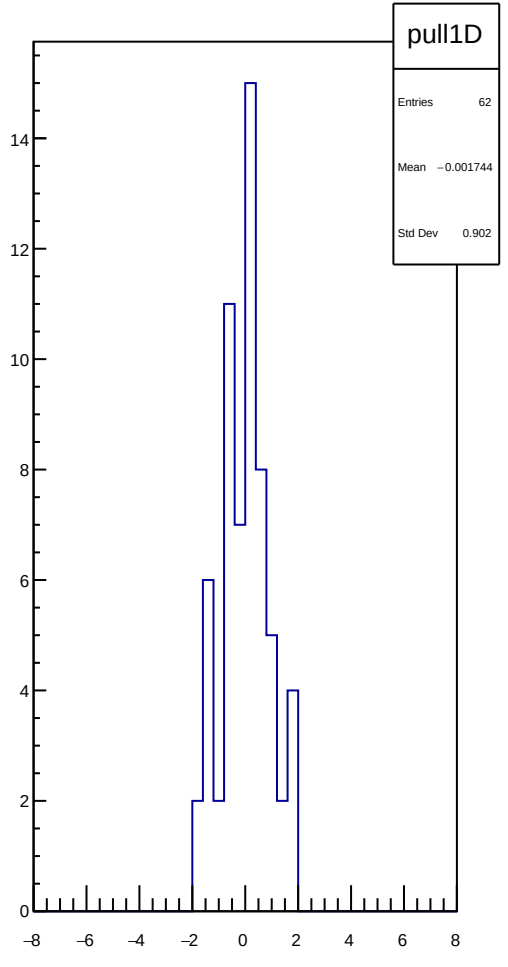

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4680 / 61
p0 662.5 ± 0.6089
760
740
720
700
680
660
640
620
600
580

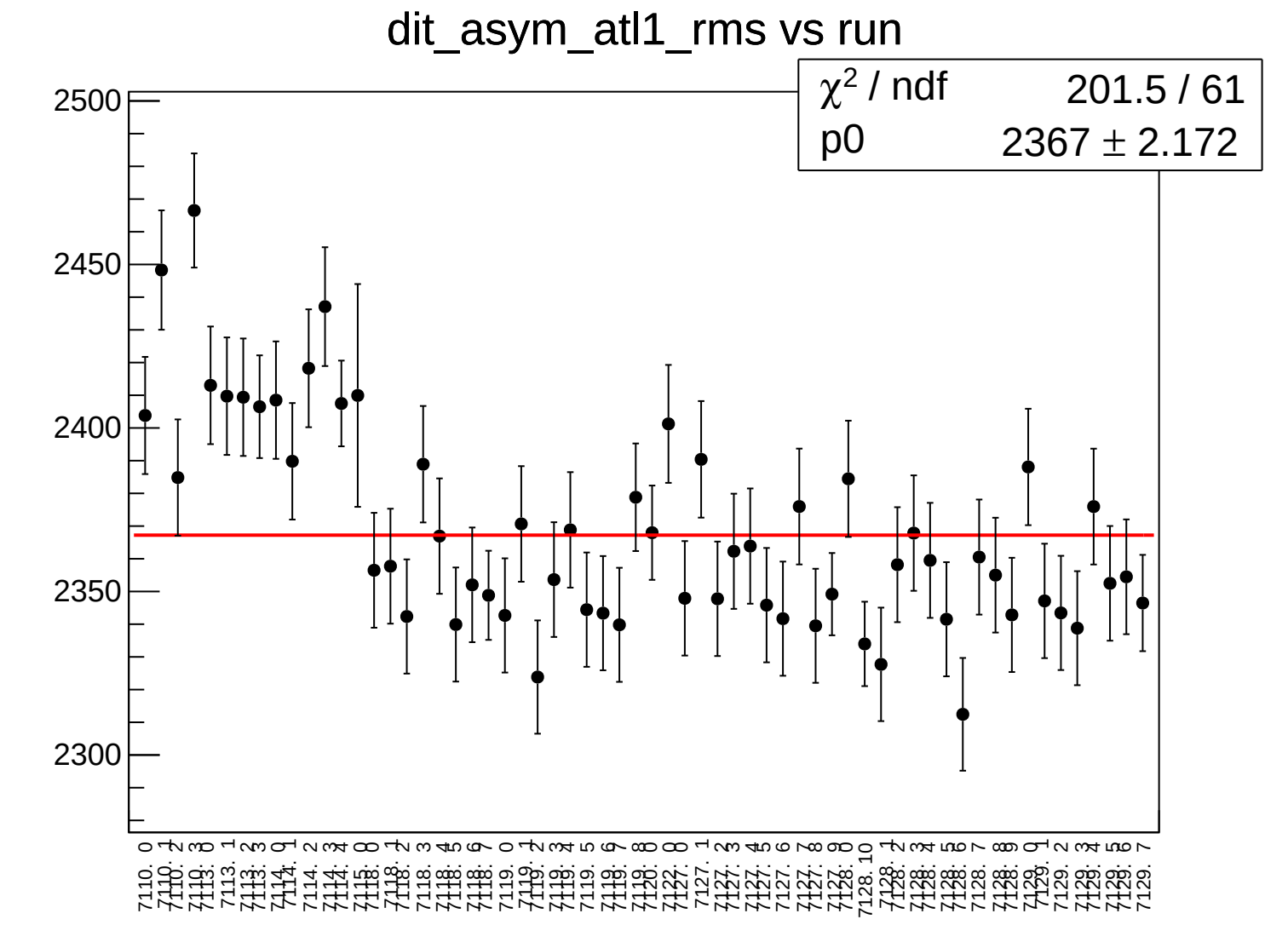

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 49.36 / 61
p0 −2438 ± 1876
40000
20000
0
−20000
−40000
−60000
pull
Entries 62
Mean −249.8
Std Dev 281
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

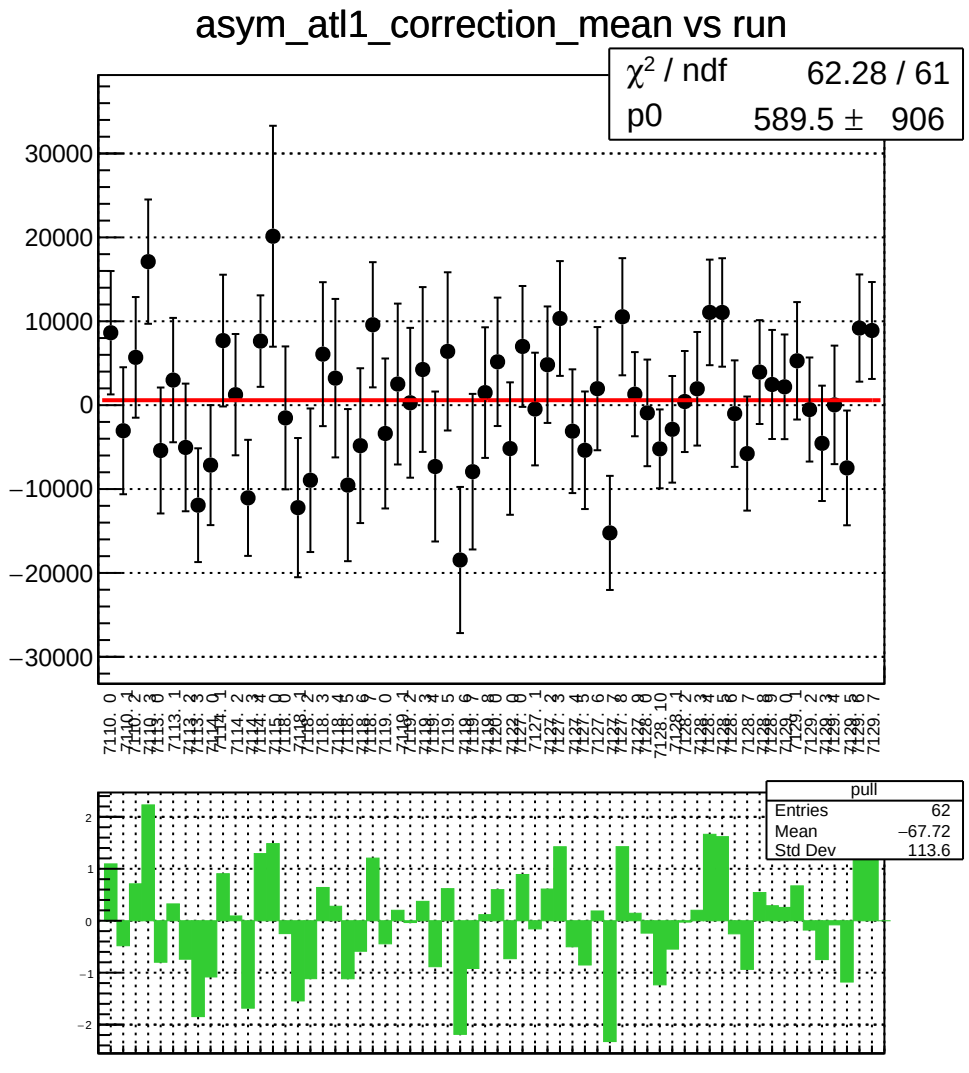

pull1D
Entries 62
Mean 0.01343
Std Dev 0.8922
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

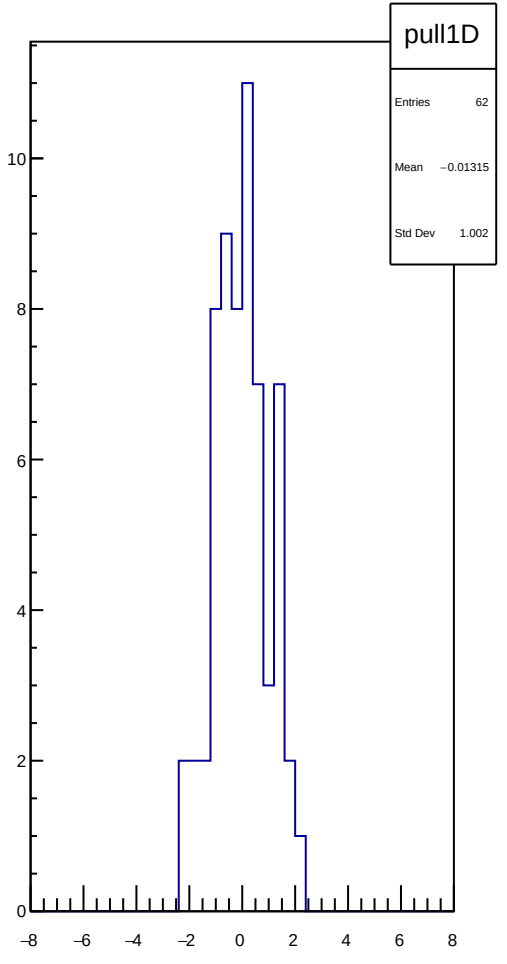

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5600 / 61
p0 1443 ± 1.327
2800
2600
2400
2200
2000
1800
1600
1400

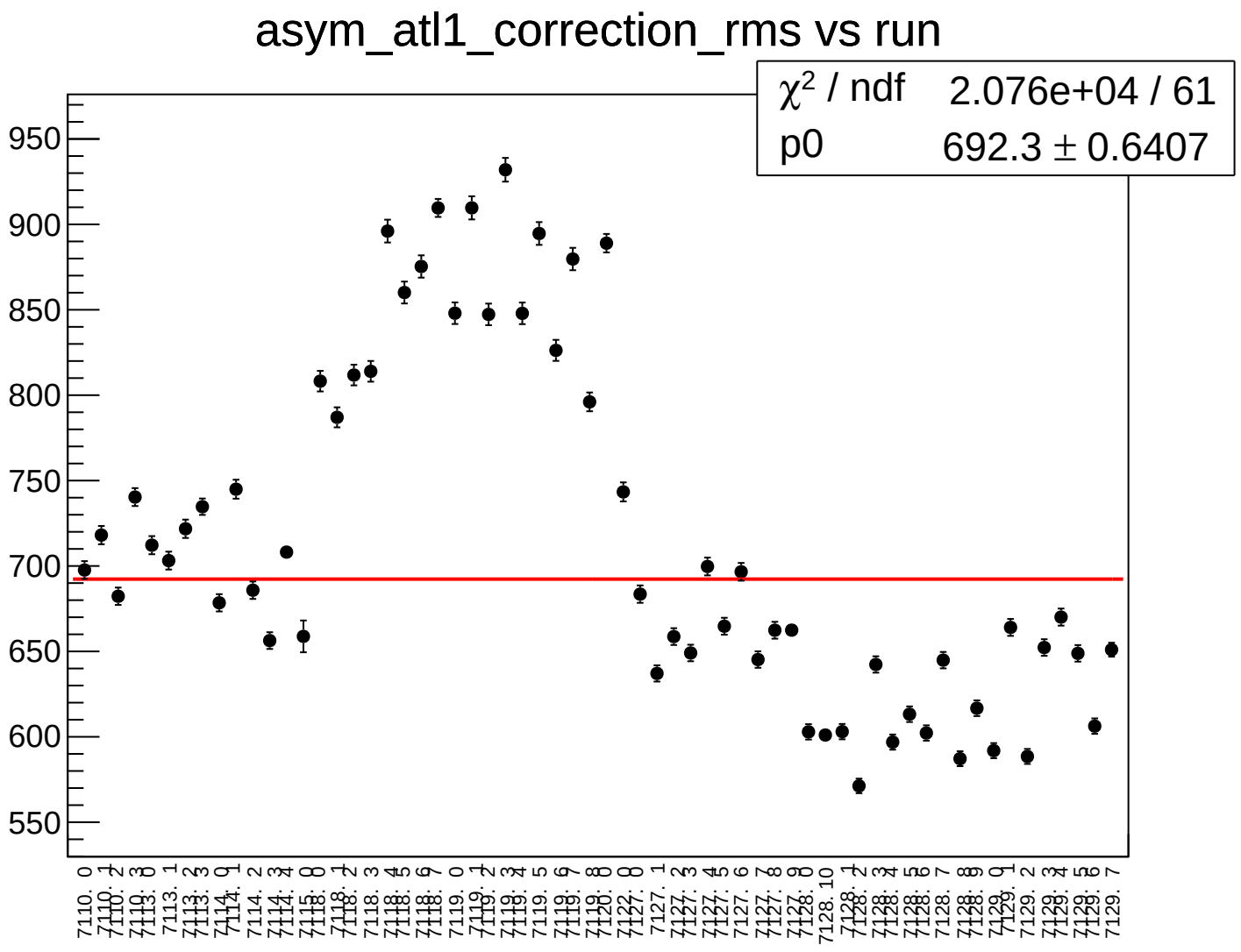

dit_asym_atl1_mean vs run
χ² / ndf 50.44 / 61
p0 1341 ± 3071
pull
Entries 62
Mean −2001
Std Dev 2035

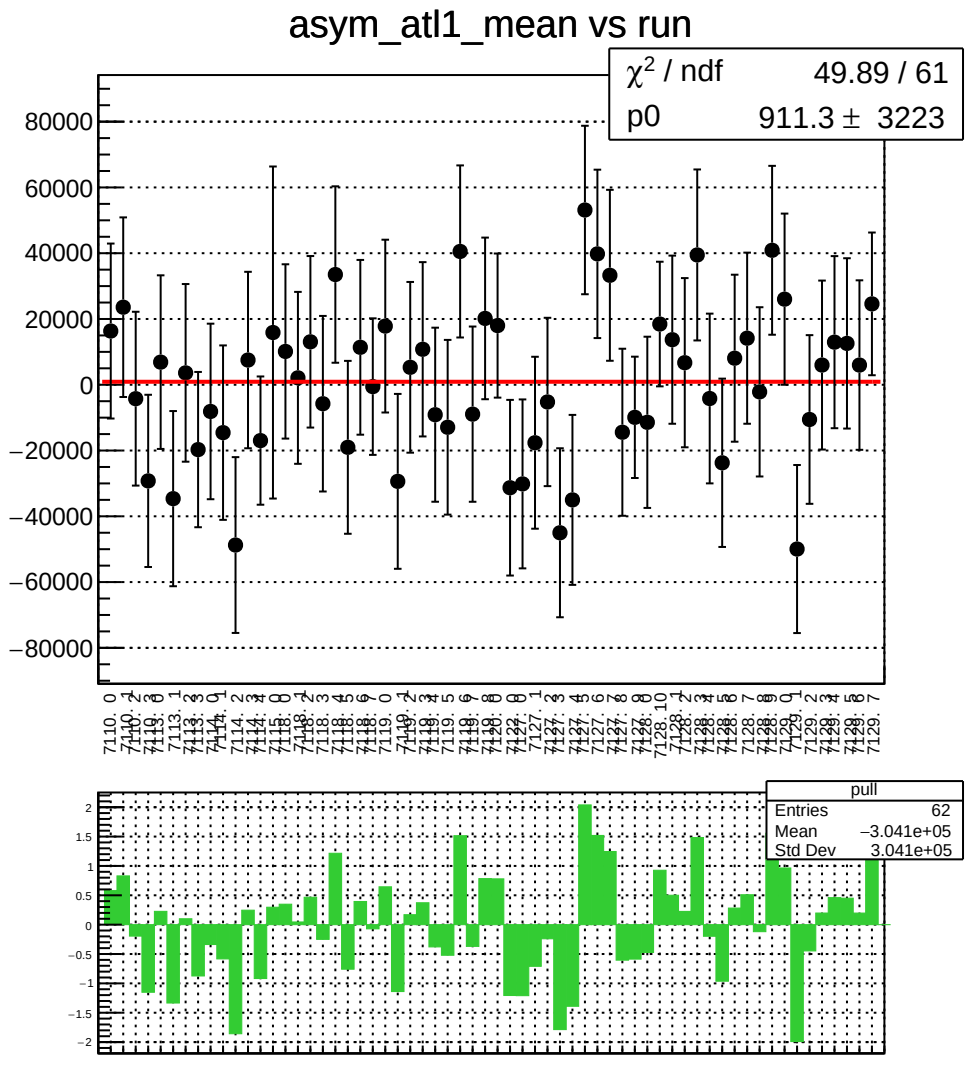

pull1D
Entries 62
Mean −0.001744
Std Dev 0.902

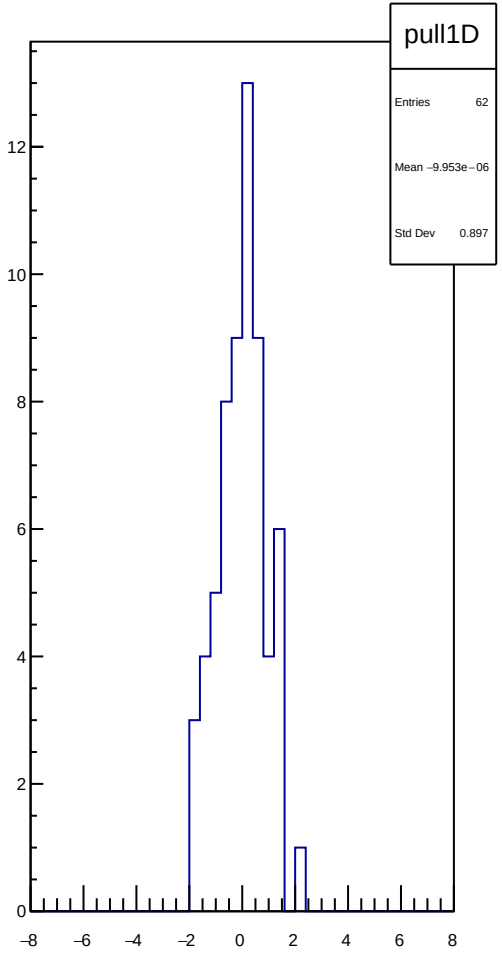

dit_asym_atl1_rms vs run
χ² / ndf 201.5 / 61
p0 2367 ± 2.172
2500
2450
2400
2350
2300

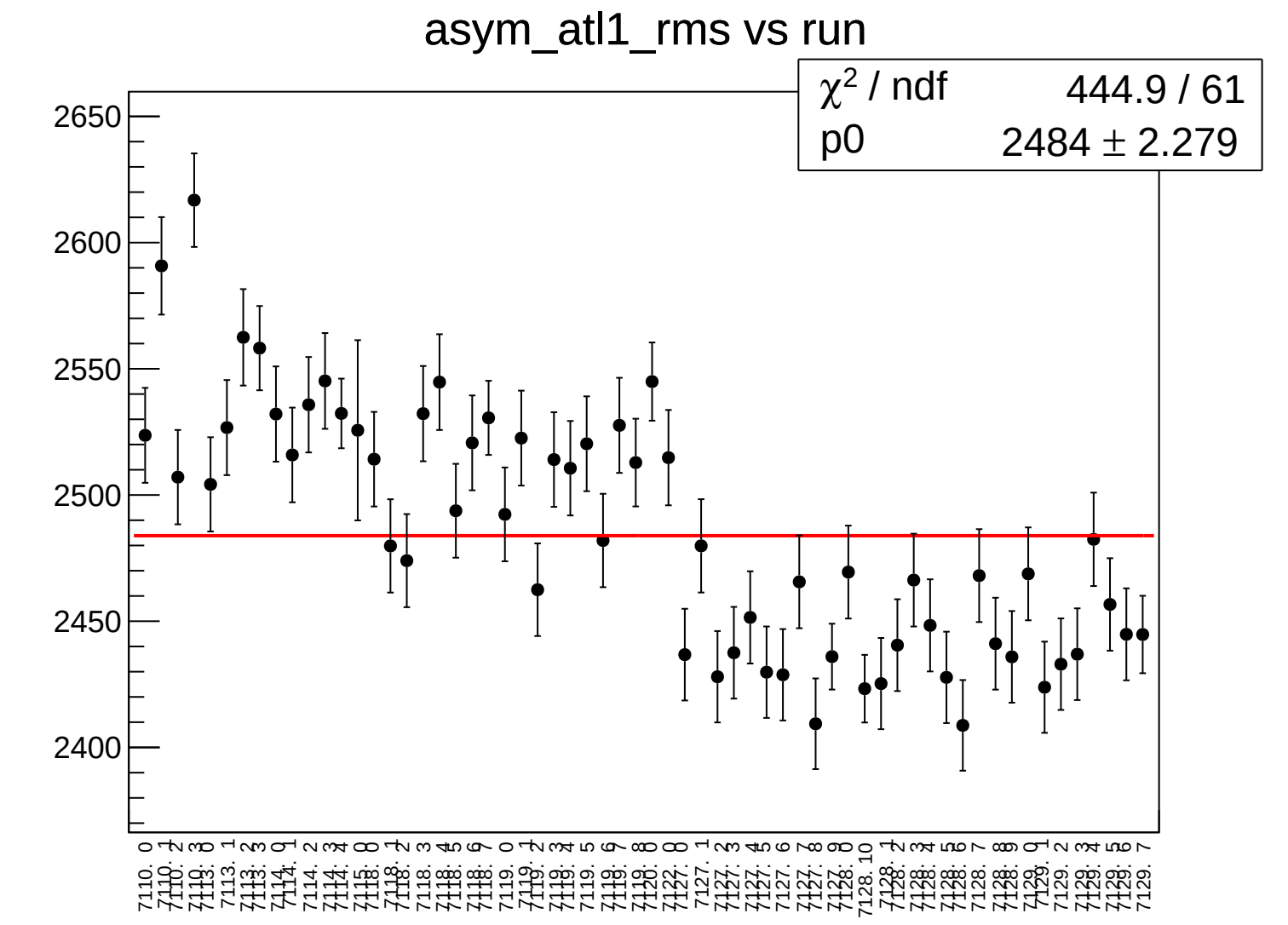

asym_atl1_correction_mean vs run
χ² / ndf 62.28 / 61
p0 589.5 ± 906
pull
Entries 62
Mean −67.72
Std Dev 113.6

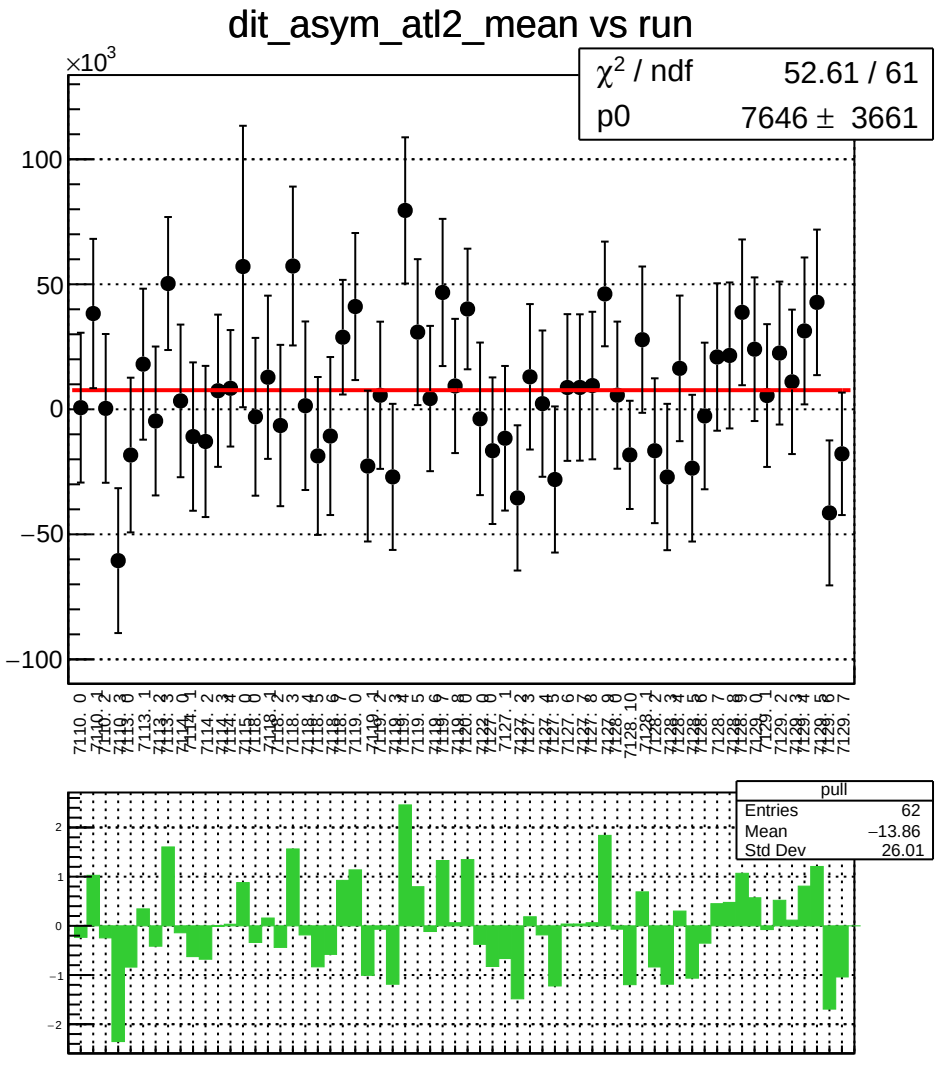

pull1D
Entries 62
Mean −0.01315
Std Dev 1.002

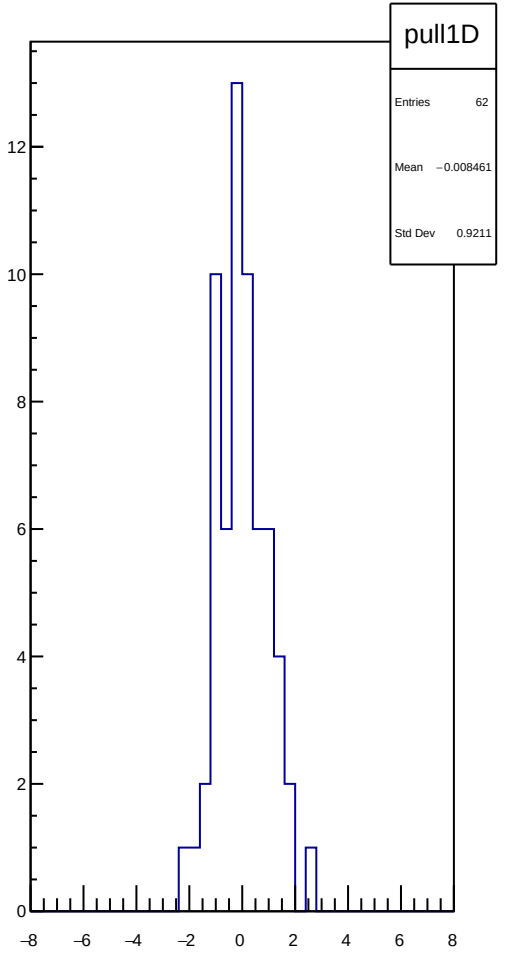

asym_atl1_correction_rms vs run
χ² / ndf 2.076e+04 / 61
p0 692.3 ± 0.6407
950
900
850
800
750
700
650
600
550

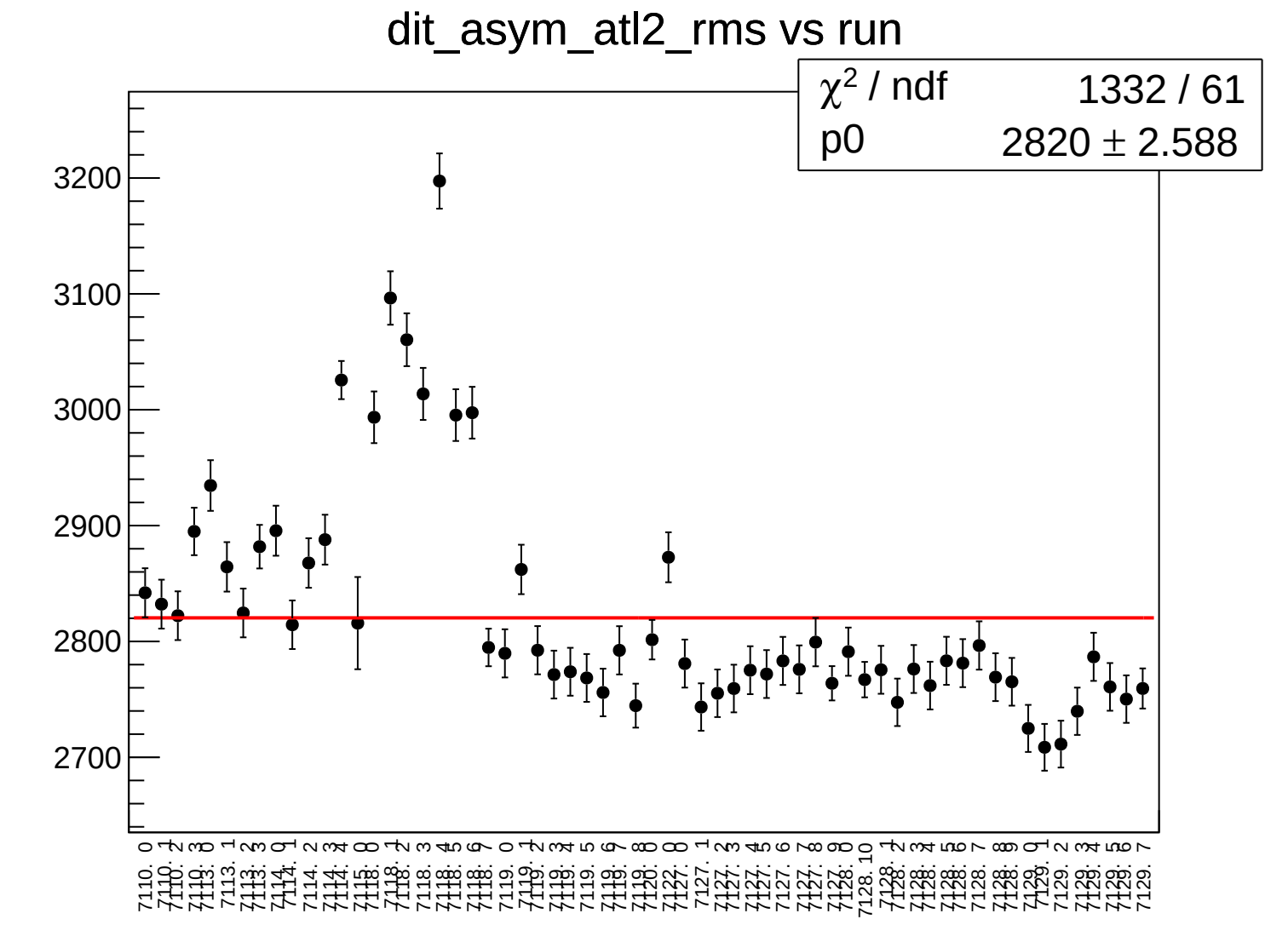

asym_atl1_mean vs run
χ² / ndf 49.89 / 61
p0 911.3 ± 3223
pull
Entries 62
Mean −3.041e+05
Std Dev 3.041e+05

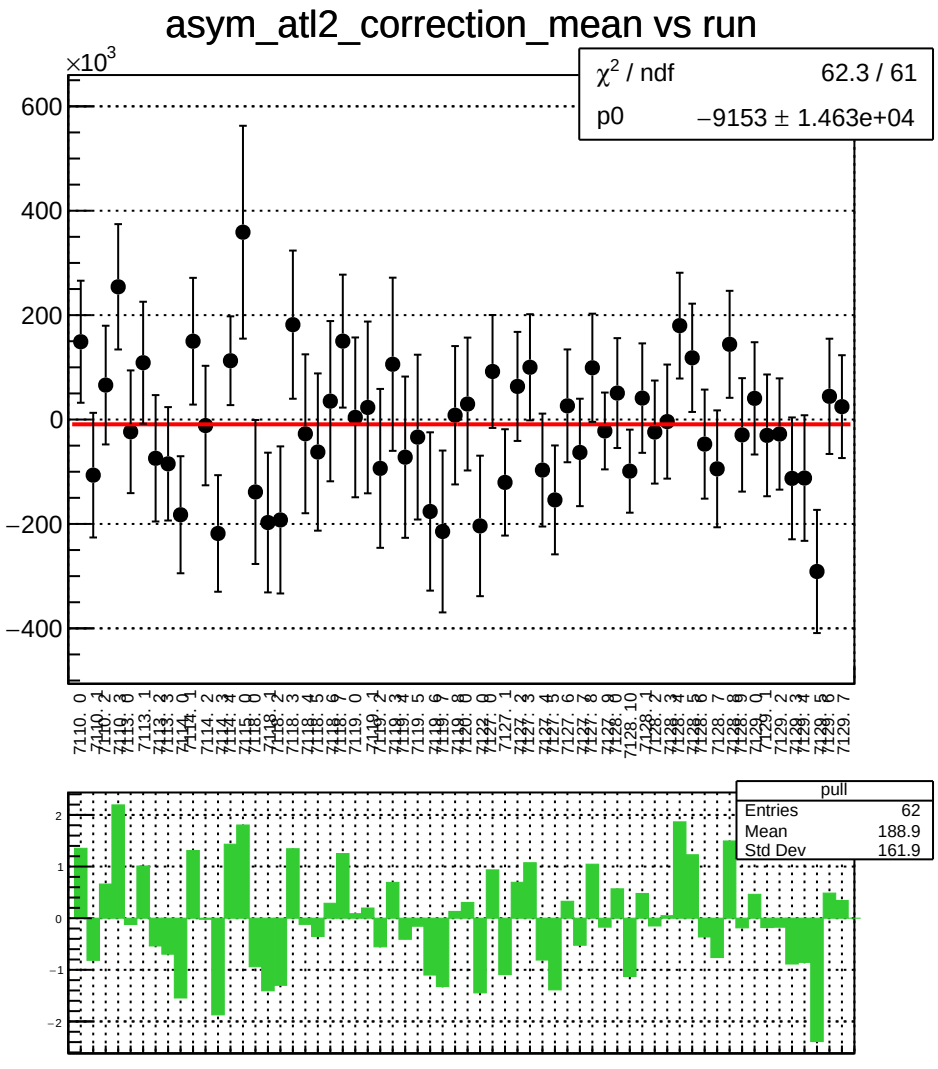

pull1D
Entries 62
Mean −9.953e−06
Std Dev 0.897

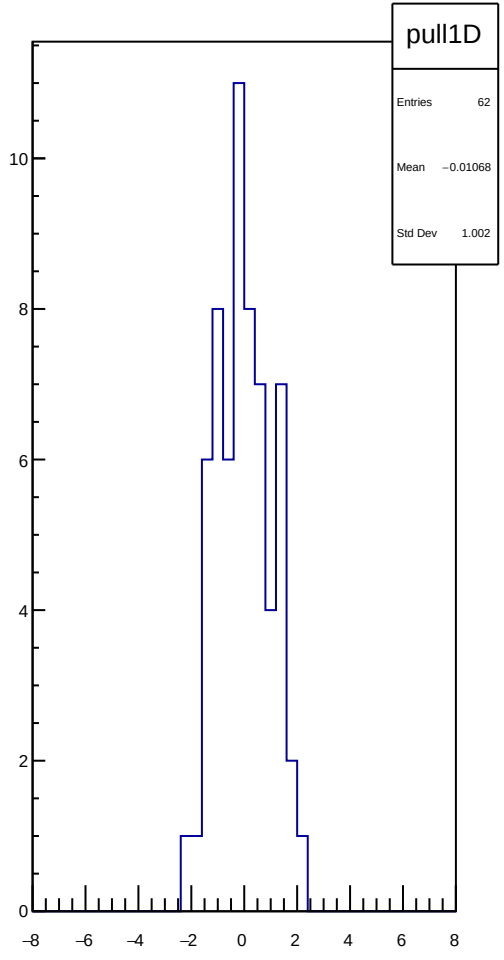

asym_atl1_rms vs run
χ^2 / ndf 444.9 / 61
p0 2484 ± 2.279
2650
2600
2550
2500
2450
2400

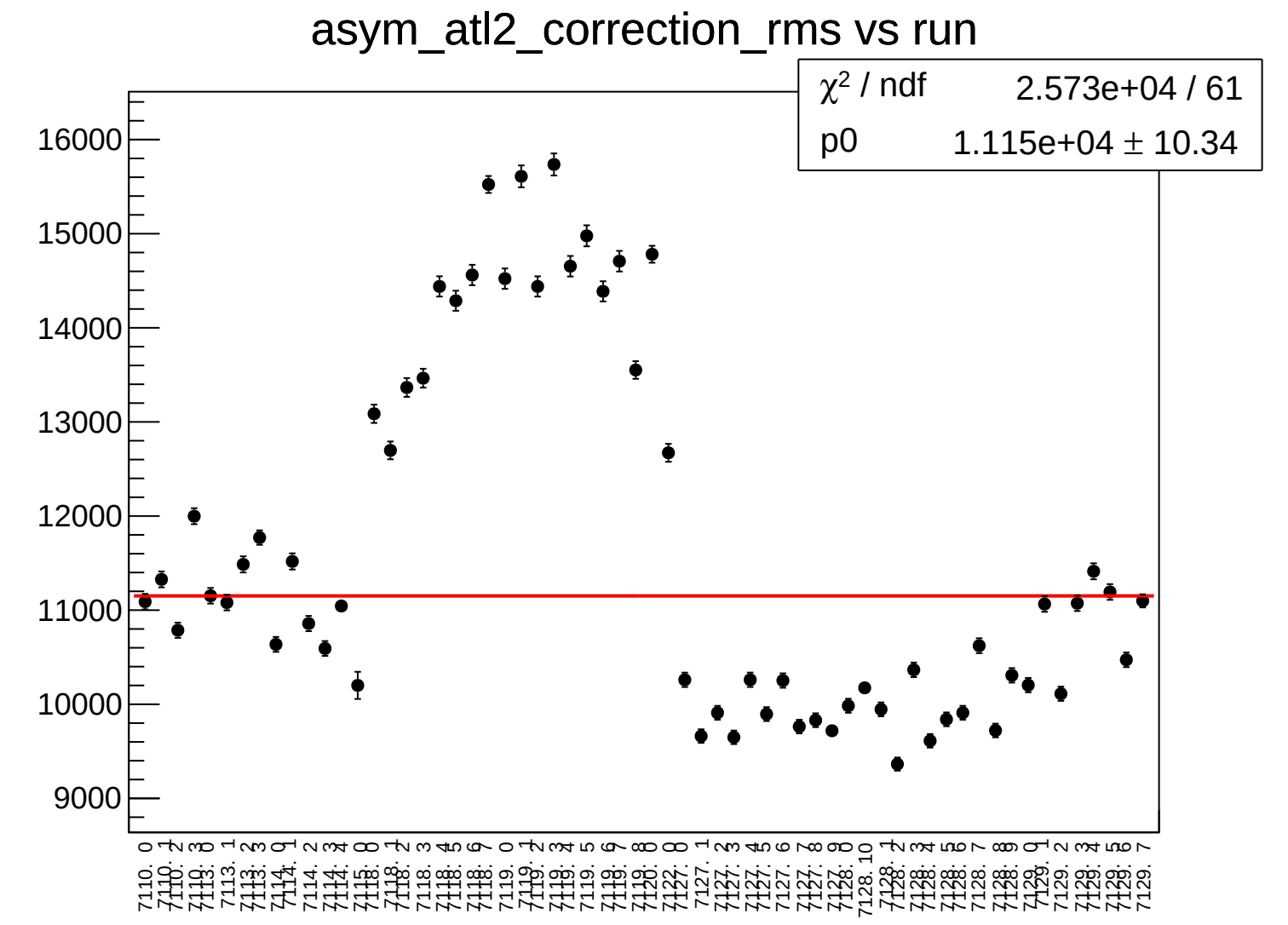

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 52.61 / 61
p0 7646 ± 3661
100
50
0
−50
−100
pull
Entries 62
Mean −13.86
Std Dev 26.01
2
1
0
−1
−2

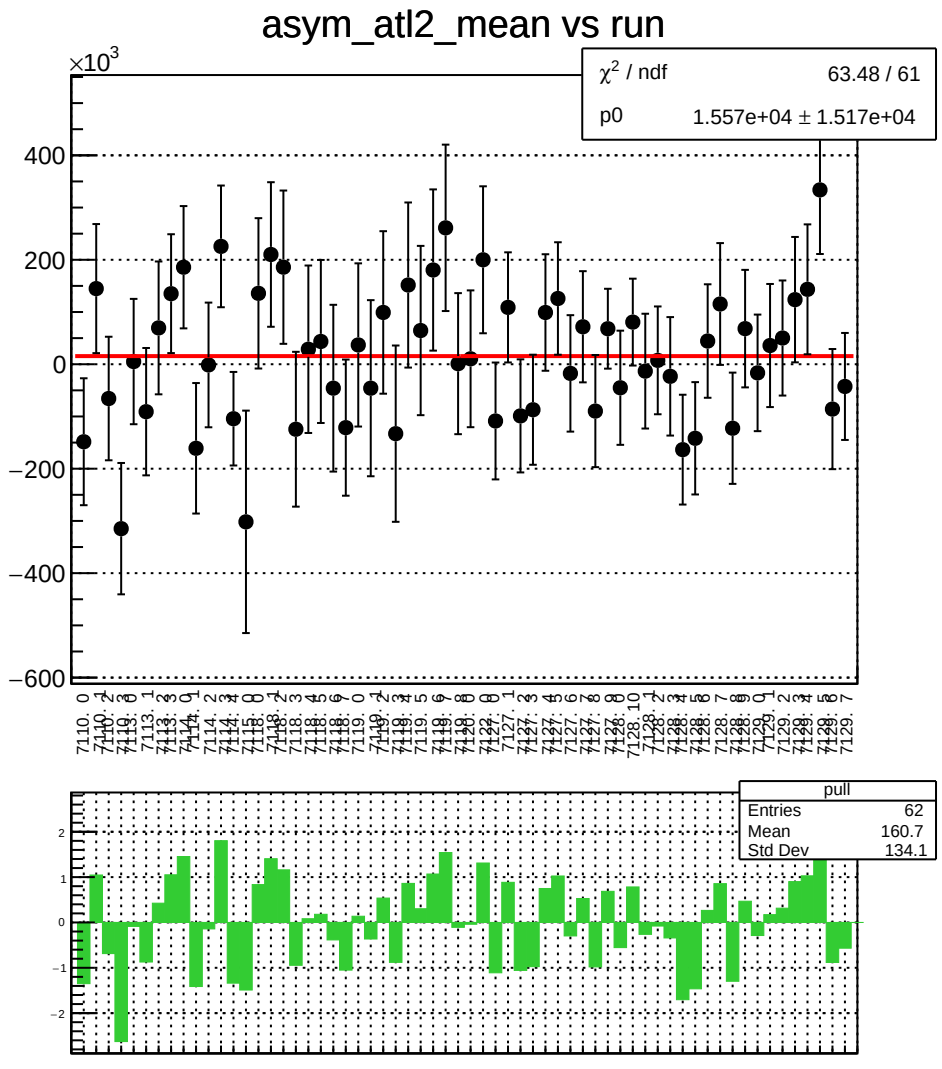

pull1D
Entries 62
Mean −0.008461
Std Dev 0.9211
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

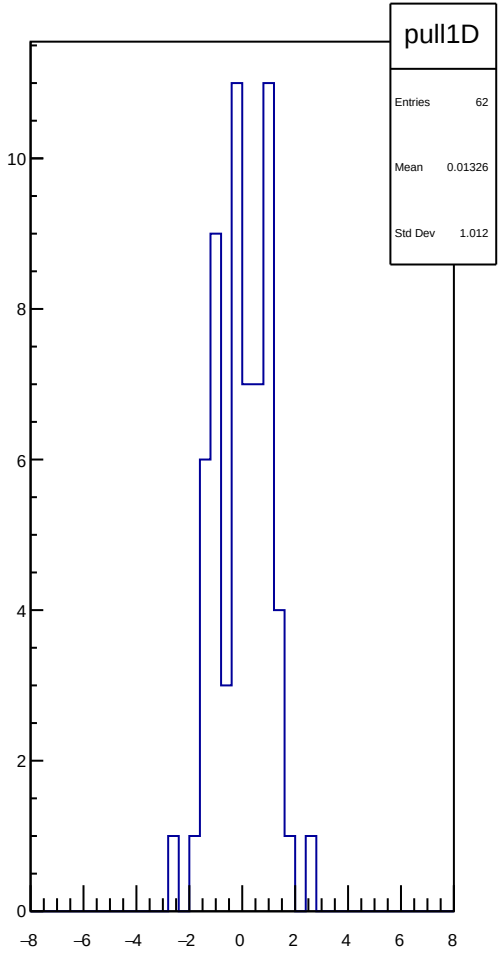

dit_asym_atl2_rms vs run
χ² / ndf 1332 / 61
p0 2820 ± 2.588
3200
3100
3000
2900
2800
2700

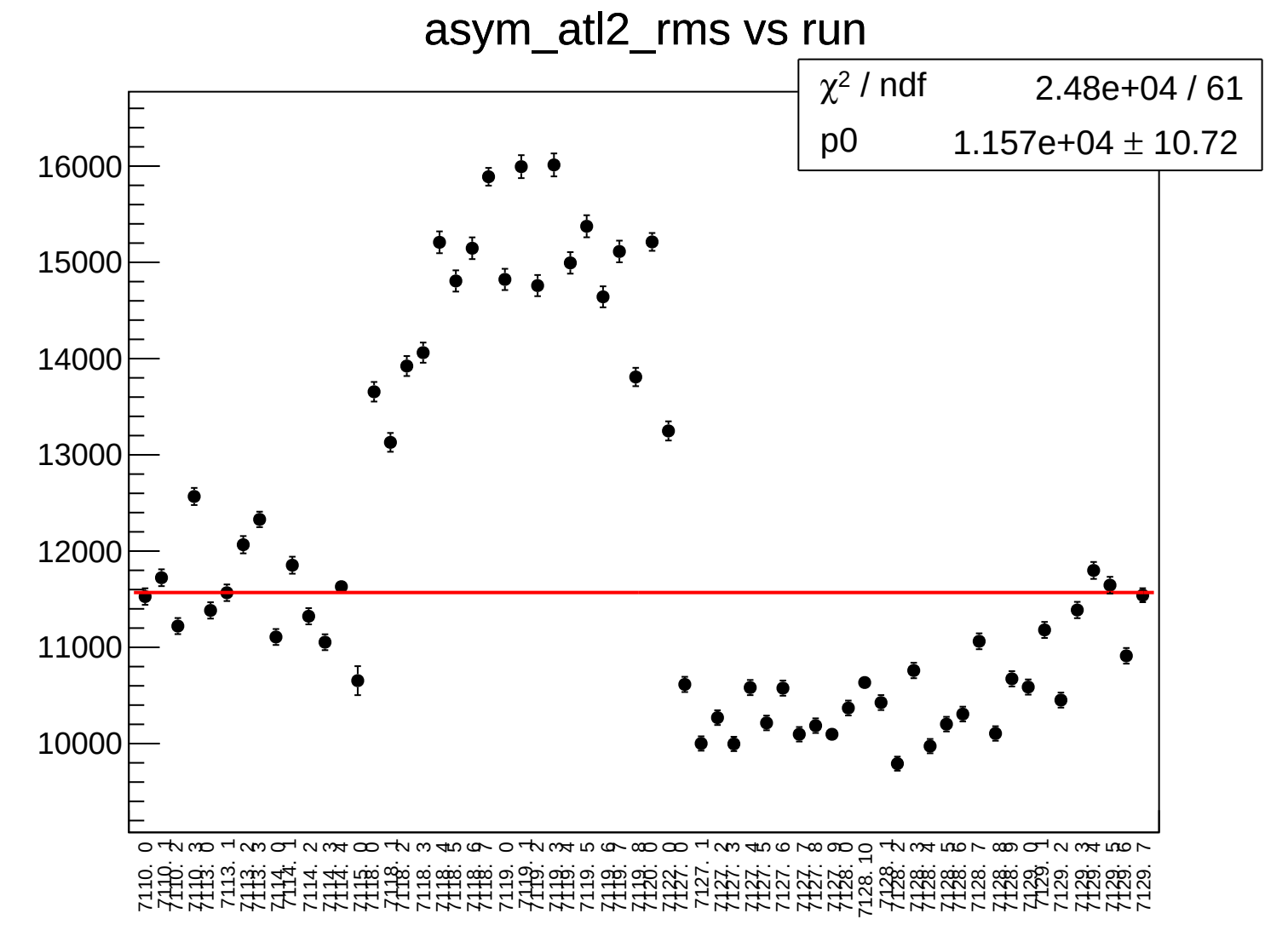

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 62.3 / 61
p0 −9153 ± 1.463e+04
600
400
200
0
−200
−400
pull
Entries 62
Mean 188.9
Std Dev 161.9
2
1
0
−1
−2

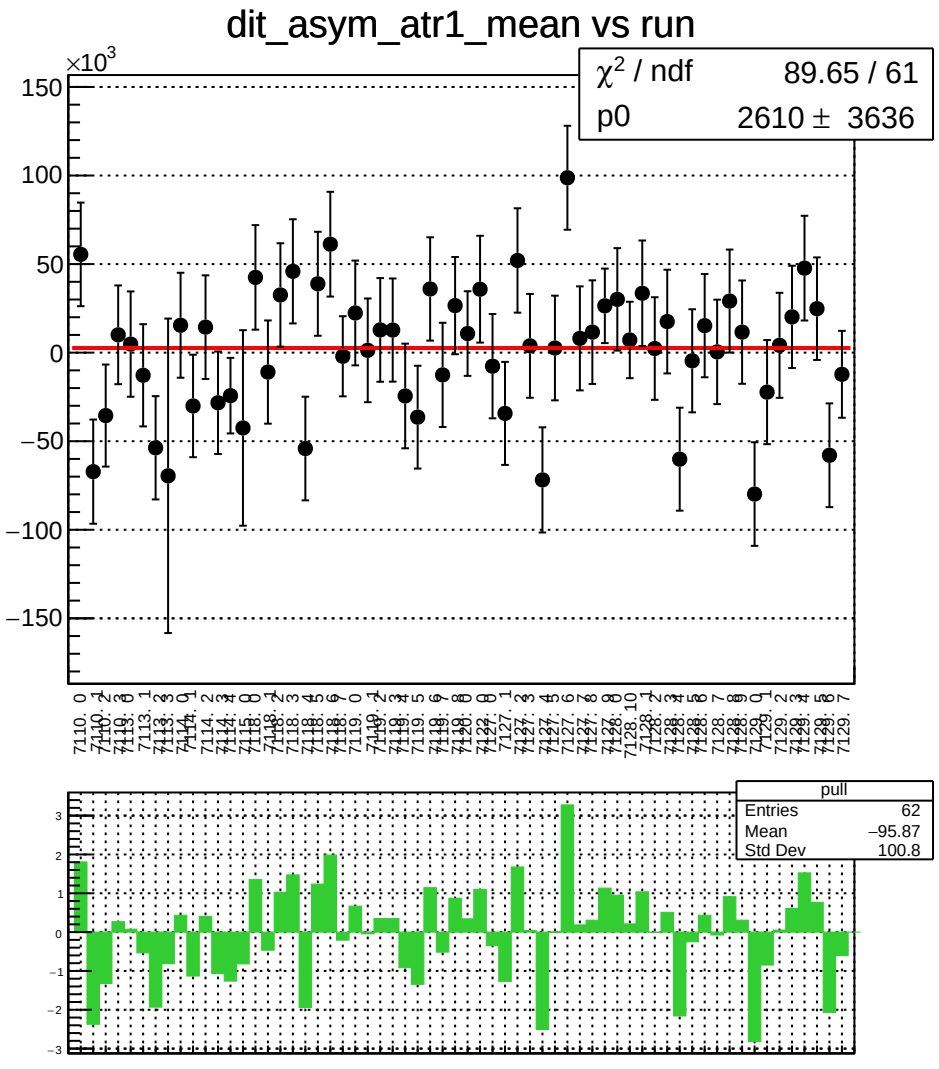

pull1D
Entries 62
Mean −0.01068
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

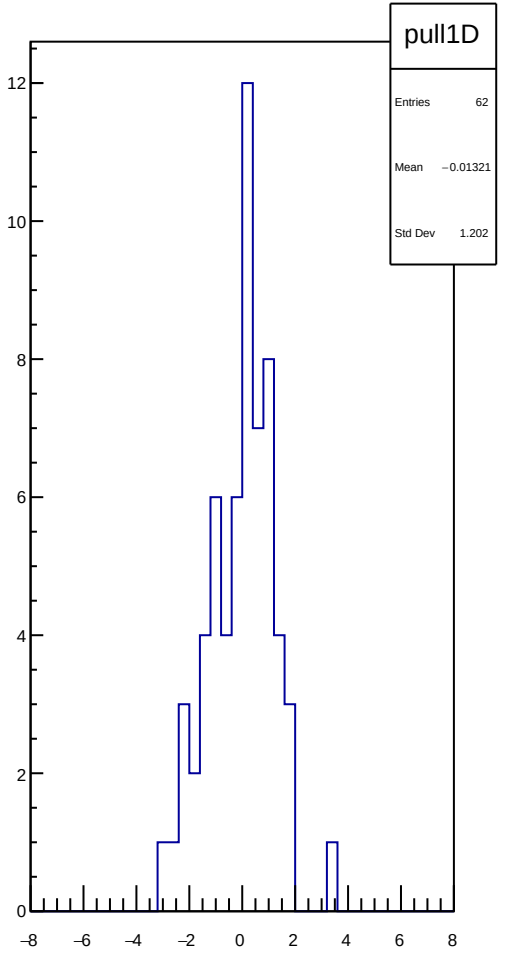

asym_atl2_correction_rms vs run
χ² / ndf 2.573e+04 / 61
p0 1.115e+04 ± 10.34
16000
15000
14000
13000
12000
11000
10000
9000

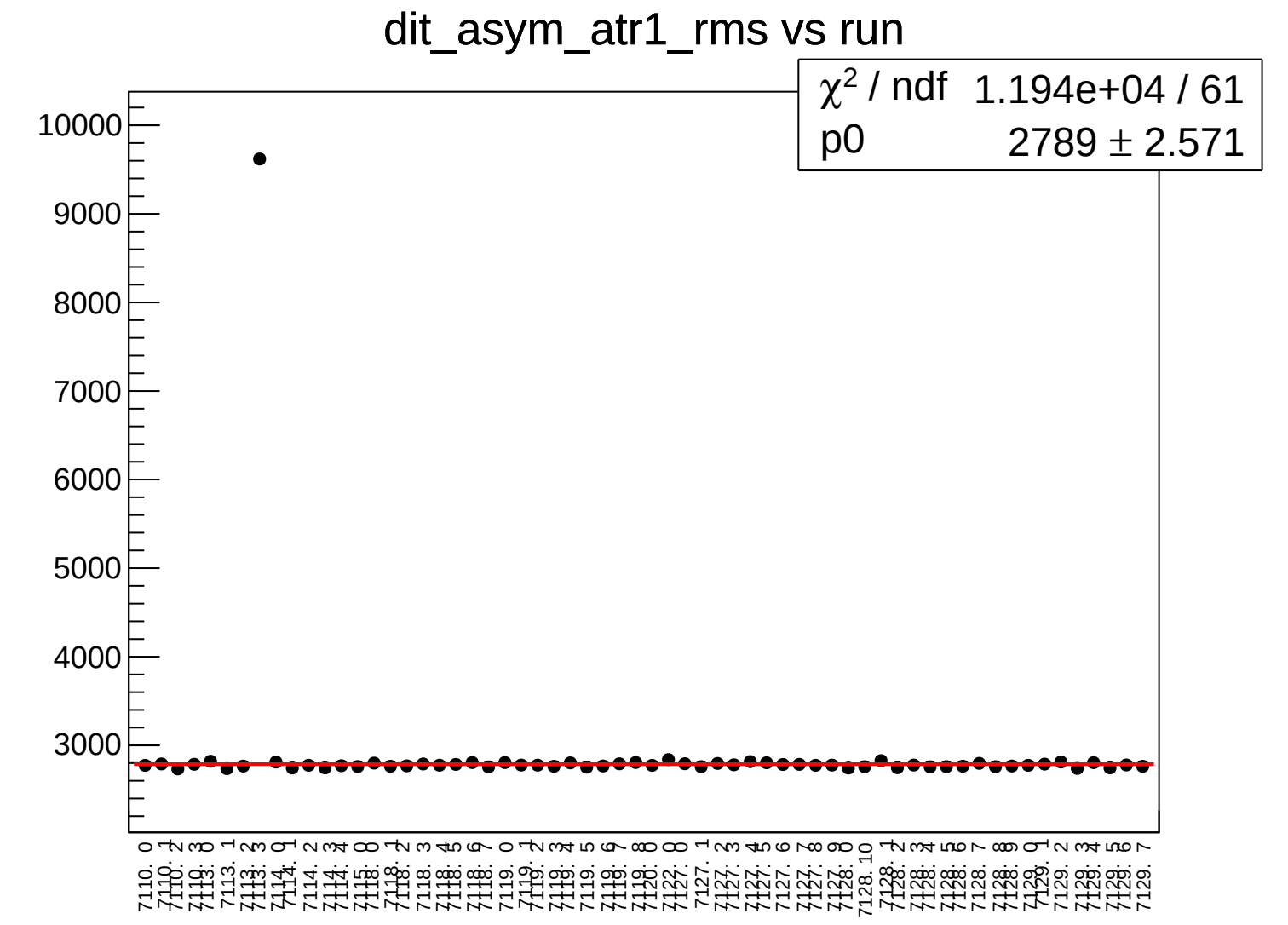

asym_atl2_mean vs run
×10^3
χ² / ndf 63.48 / 61
p0 1.557e+04 ± 1.517e+04
400
200
0
−200
−400
−600
pull
Entries 62
Mean 160.7
Std Dev 134.1
2
1
0
−1
−2

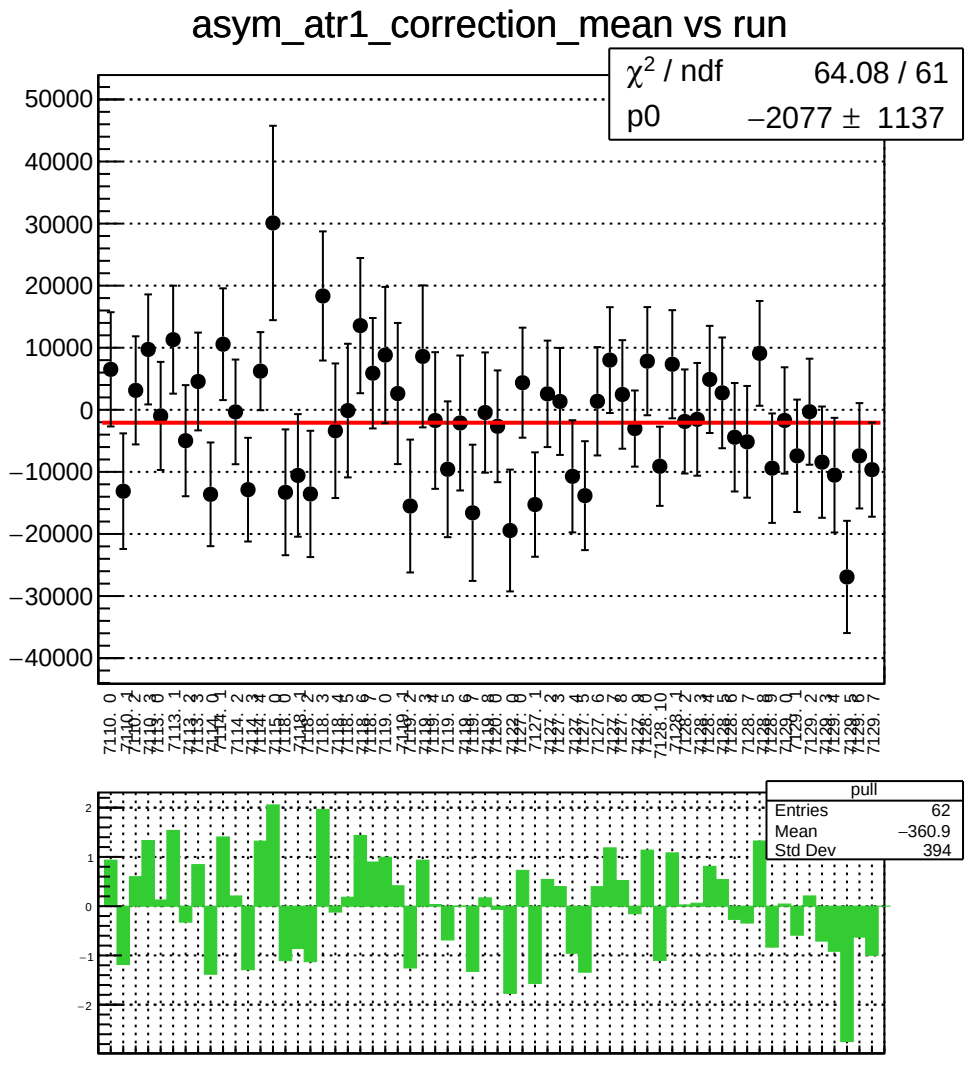

pull1D
Entries 62
Mean 0.01326
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

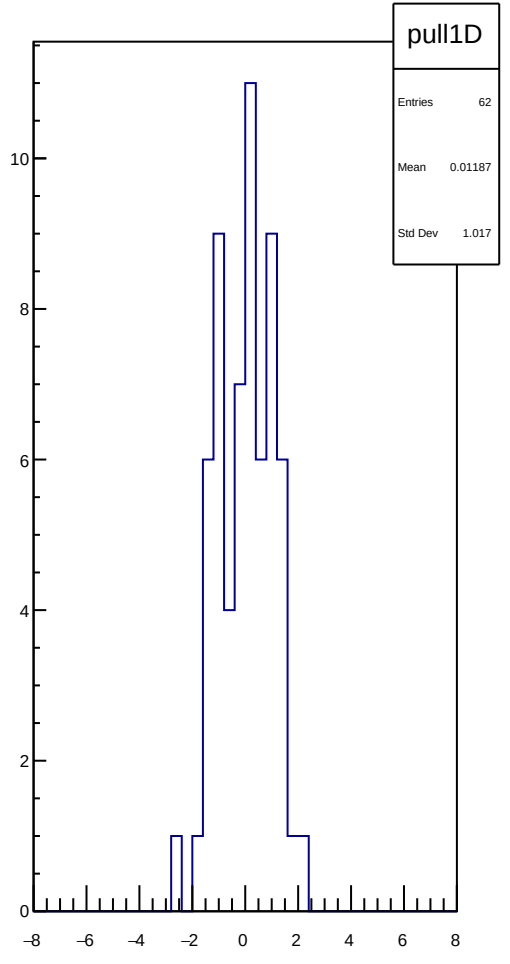

asym_atl2_rms vs run
χ² / ndf 2.48e+04 / 61
p0 1.157e+04 ± 10.72
16000
15000
14000
13000
12000
11000
10000
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

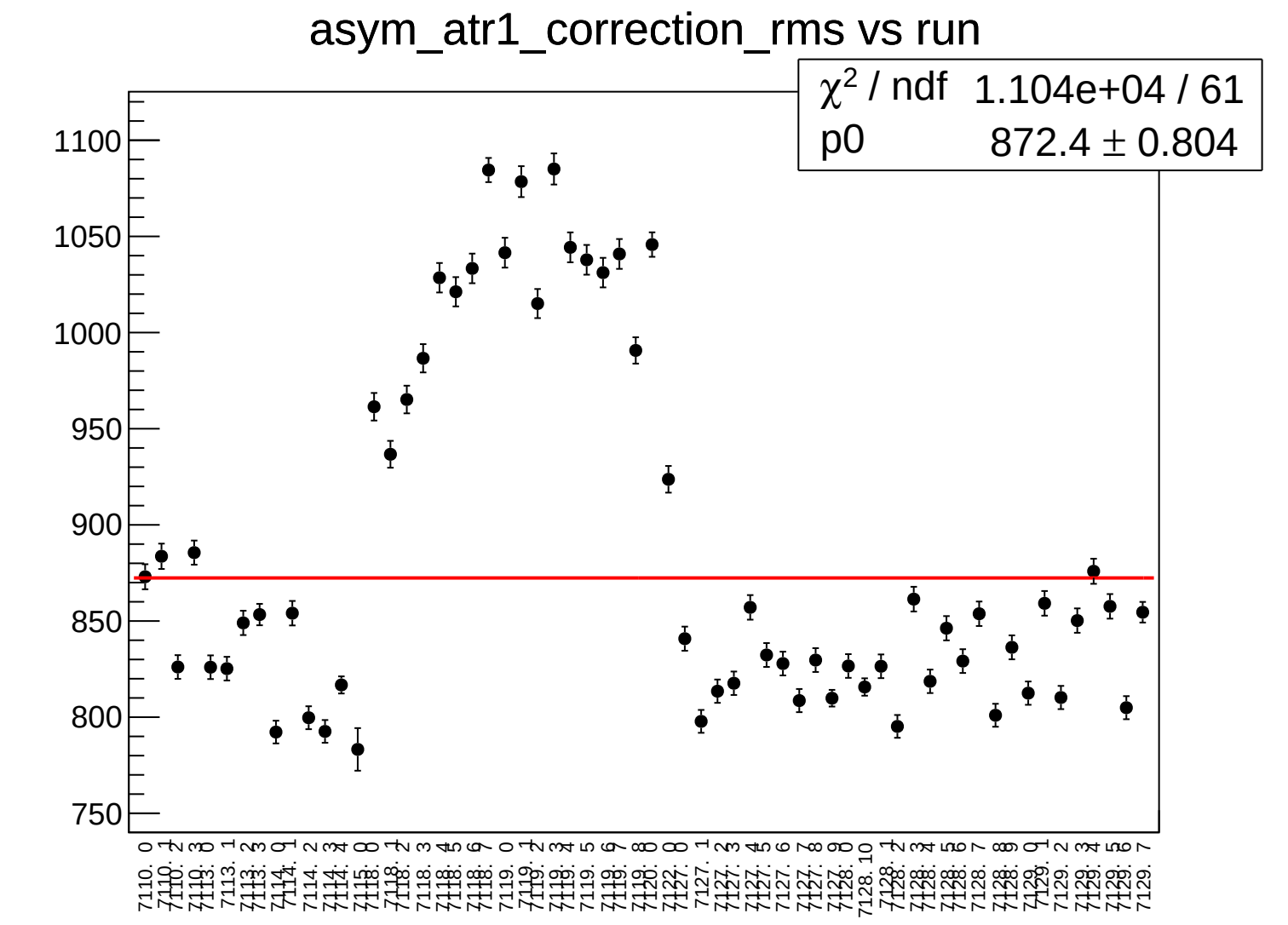

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 89.65 / 61
p0 2610 ± 3636
pull
Entries 62
Mean −95.87
Std Dev 100.8

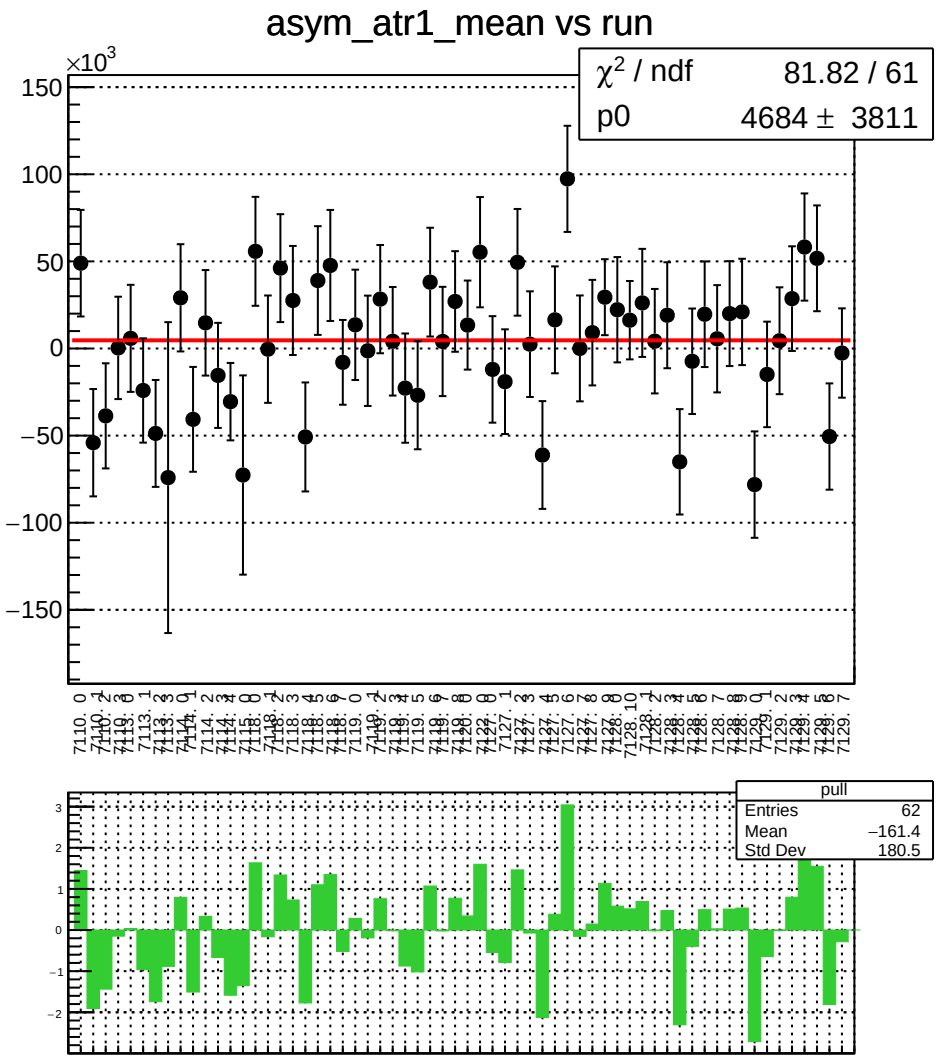

pull1D
Entries 62
Mean −0.01321
Std Dev 1.202

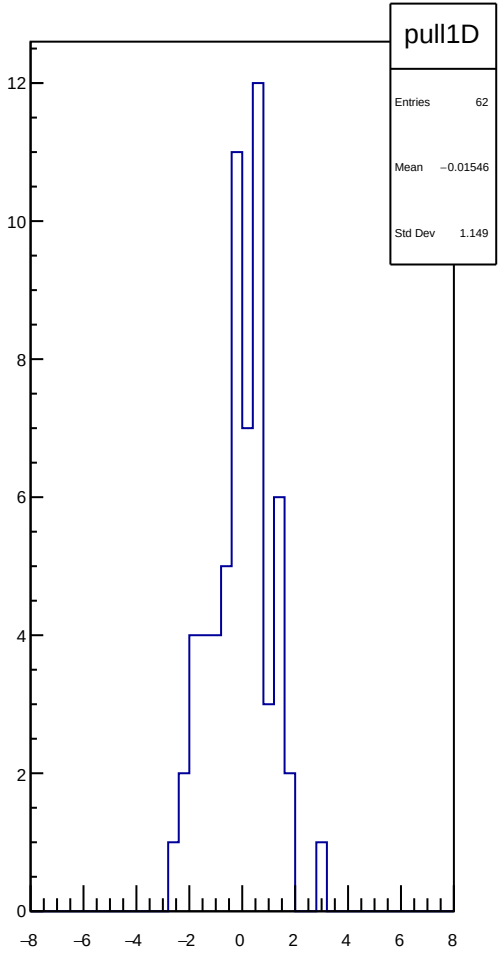

dit_asym_atr1_rms vs run
χ² / ndf 1.194e+04 / 61
p0 2789 ± 2.571
10000
9000
8000
7000
6000
5000
4000
3000
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

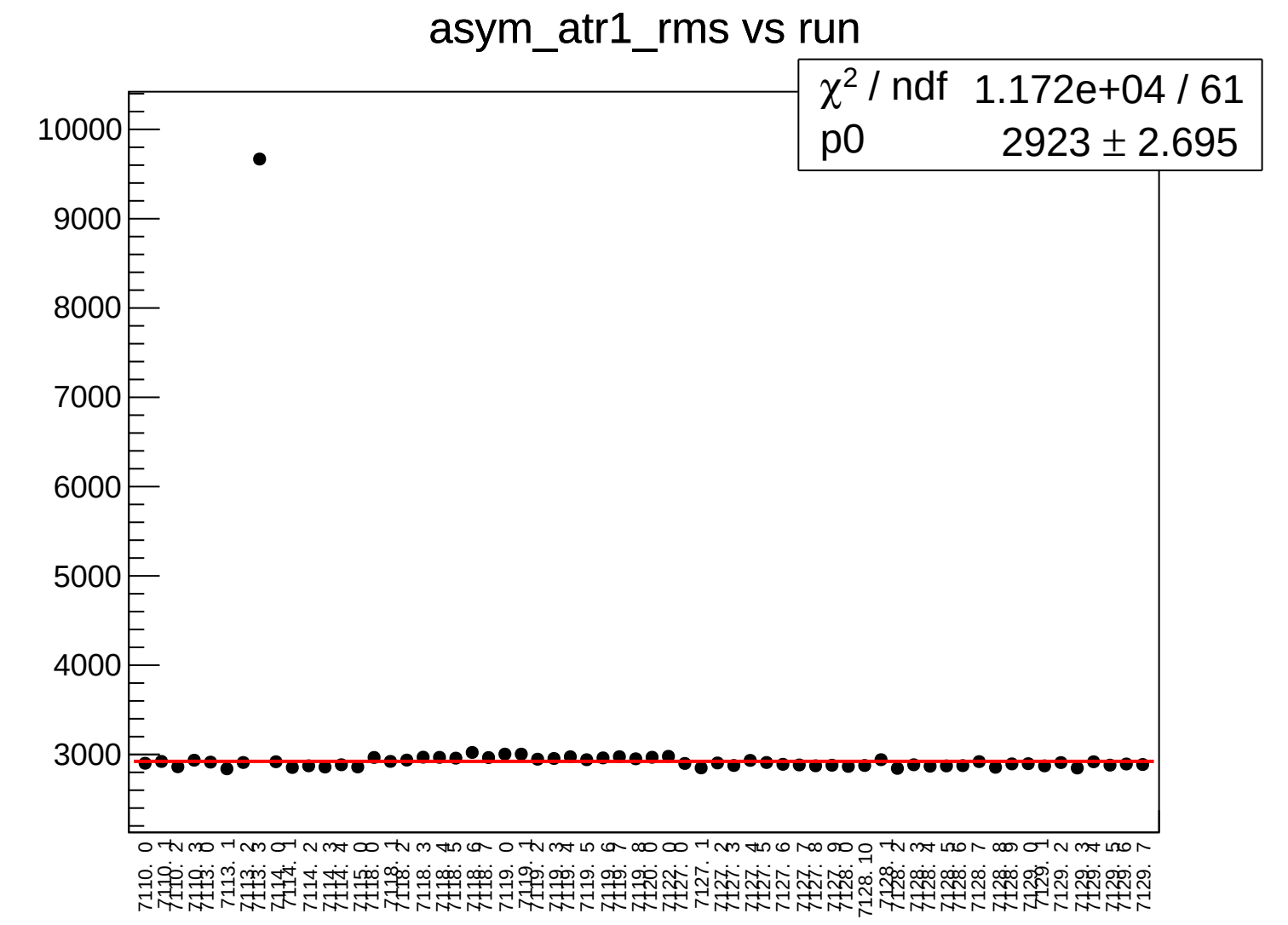

asym_atr1_correction_mean vs run
χ² / ndf 64.08 / 61
p0 −2077 ± 1137
pull
Entries 62
Mean −360.9
Std Dev 394

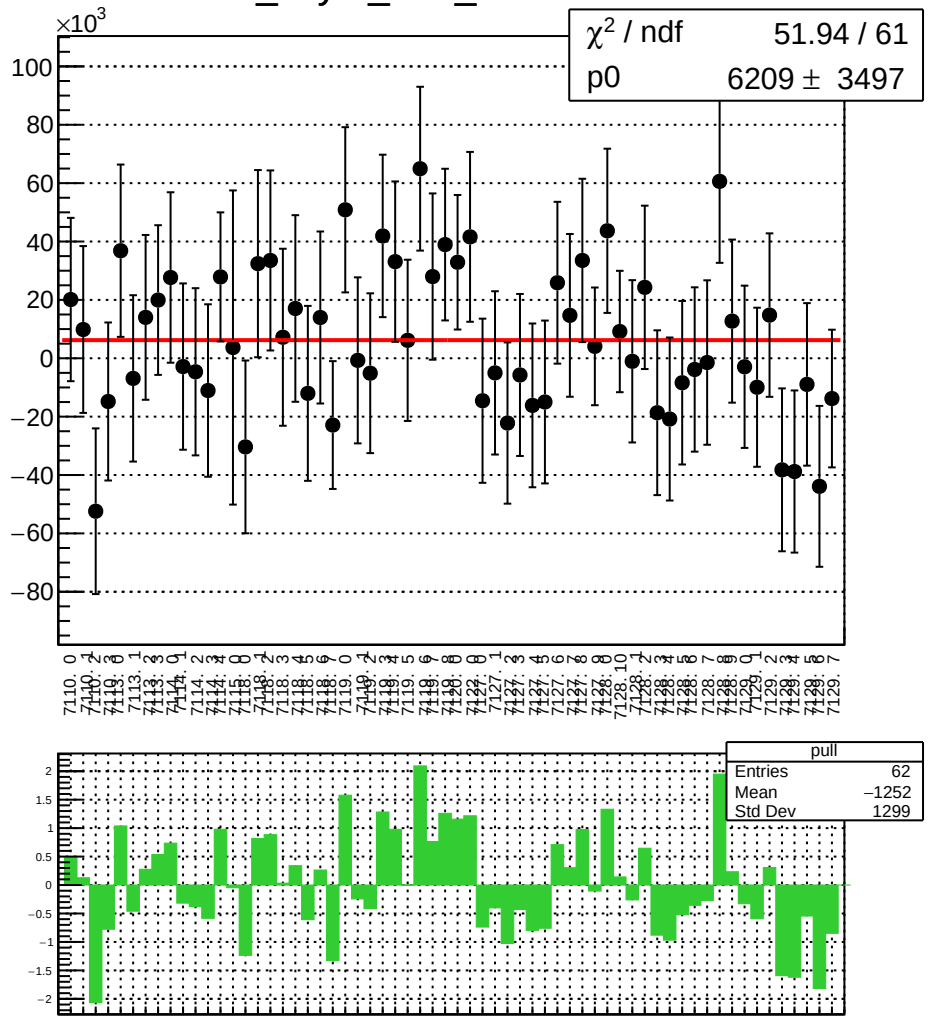

pull1D
Entries 62
Mean 0.01187
Std Dev 1.017

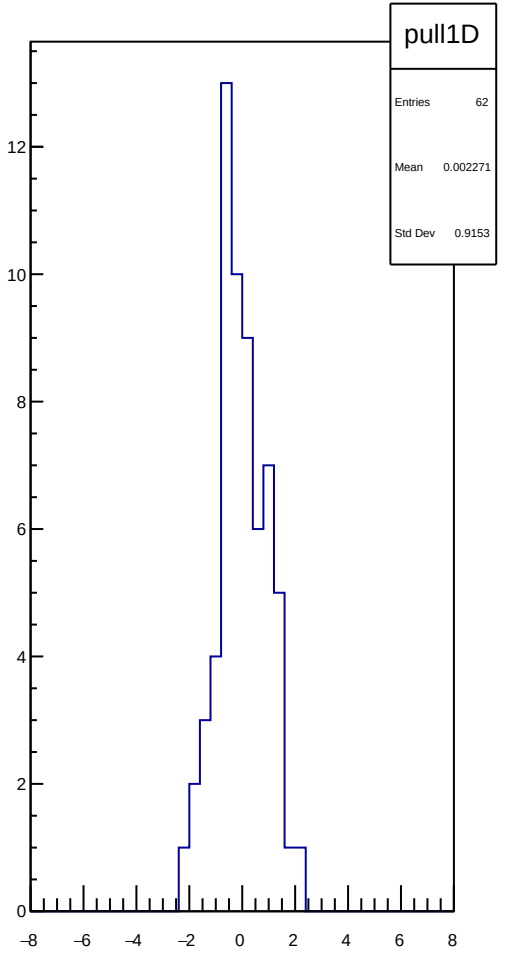

asym_atr1_correction_rms vs run
χ² / ndf 1.104e+04 / 61
p0 872.4 ± 0.804
1100
1050
1000
950
900
850
800
750
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

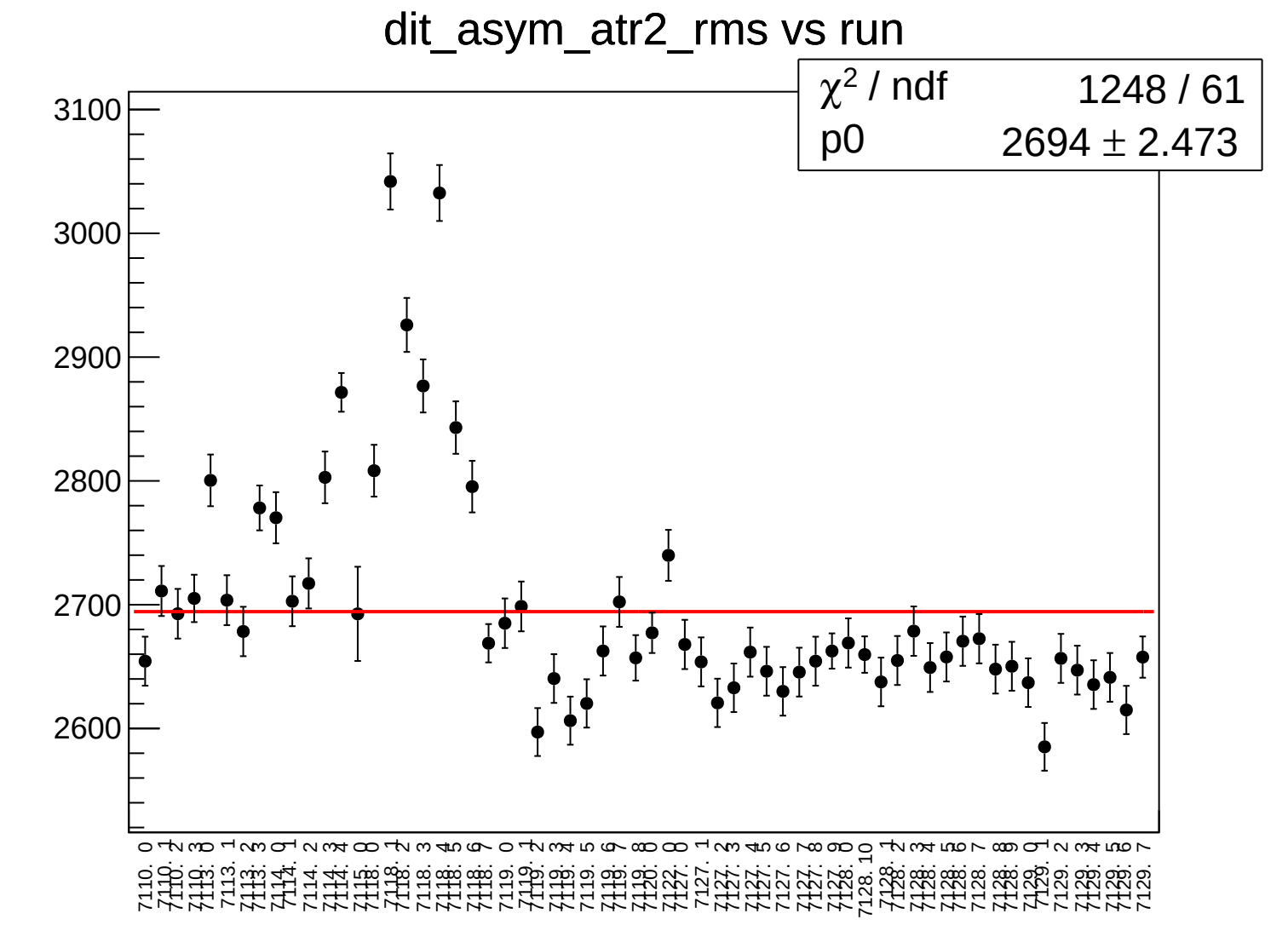

asym_atr1_mean vs run
×10^3
χ² / ndf 81.82 / 61
p0 4684 ± 3811
pull
Entries 62
Mean −161.4
Std Dev 180.5

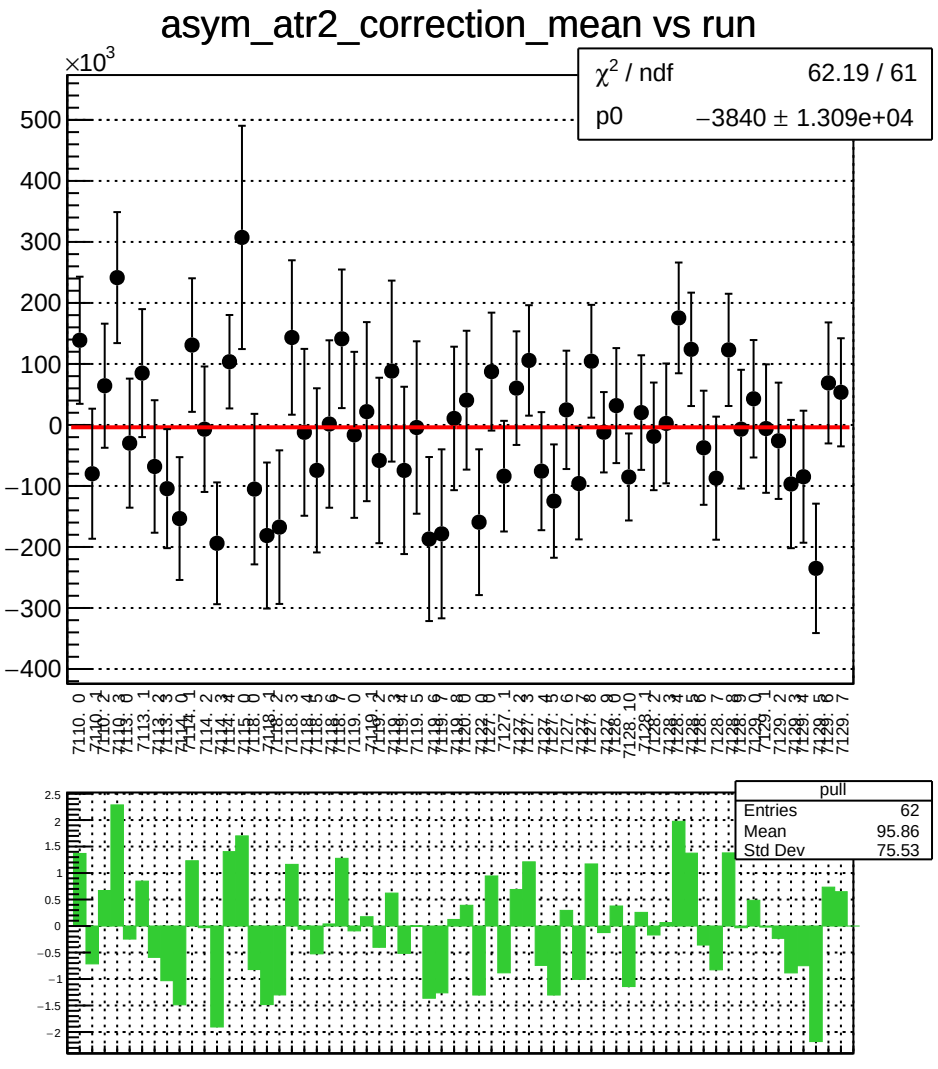

pull1D
Entries 62
Mean −0.01546
Std Dev 1.149

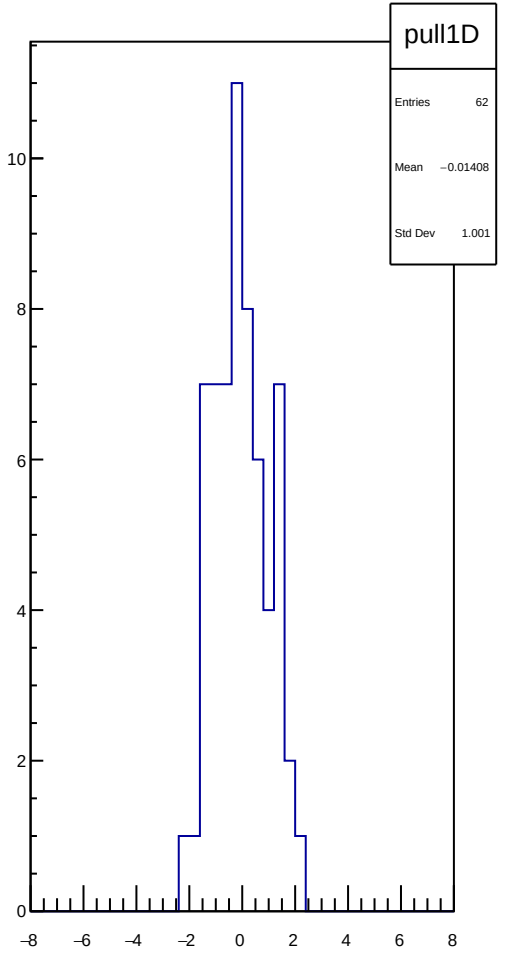

asym_atr1_rms vs run
χ² / ndf 1.172e+04 / 61
p0 2923 ± 2.695
10000
9000
8000
7000
6000
5000
4000
3000

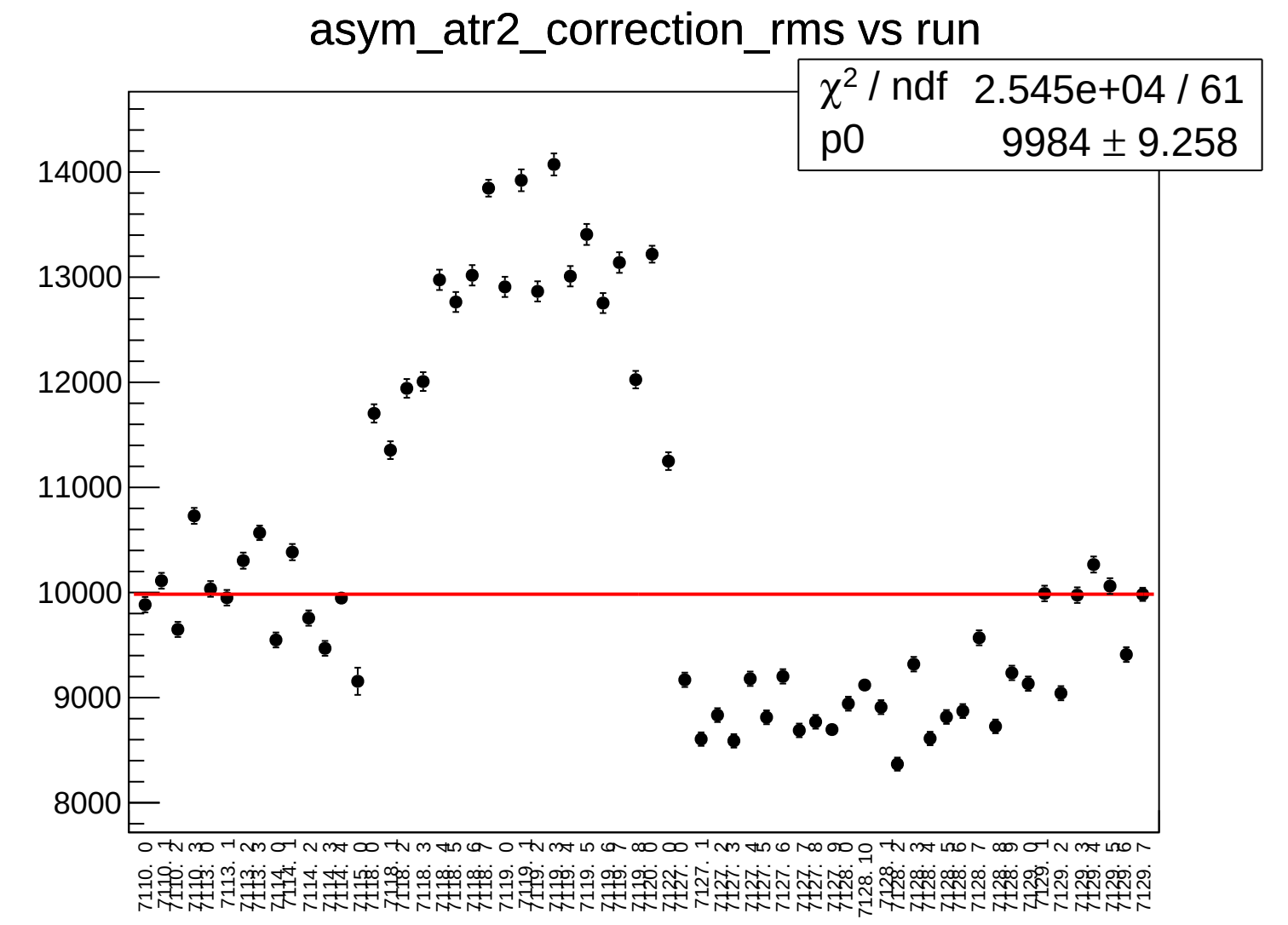

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 51.94 / 61
p0 6209 ± 3497
pull
Entries 62
Mean −1252
Std Dev 1299

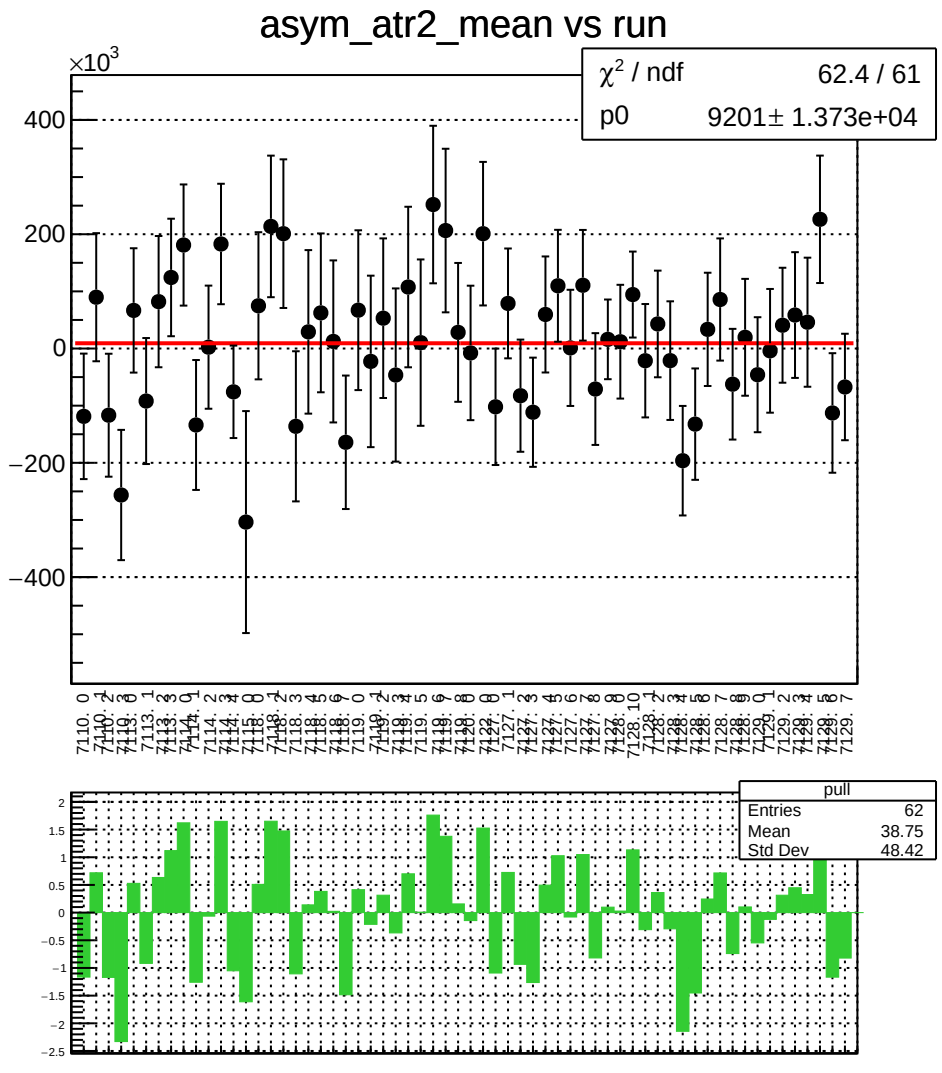

pull1D
Entries 62
Mean 0.002271
Std Dev 0.9153

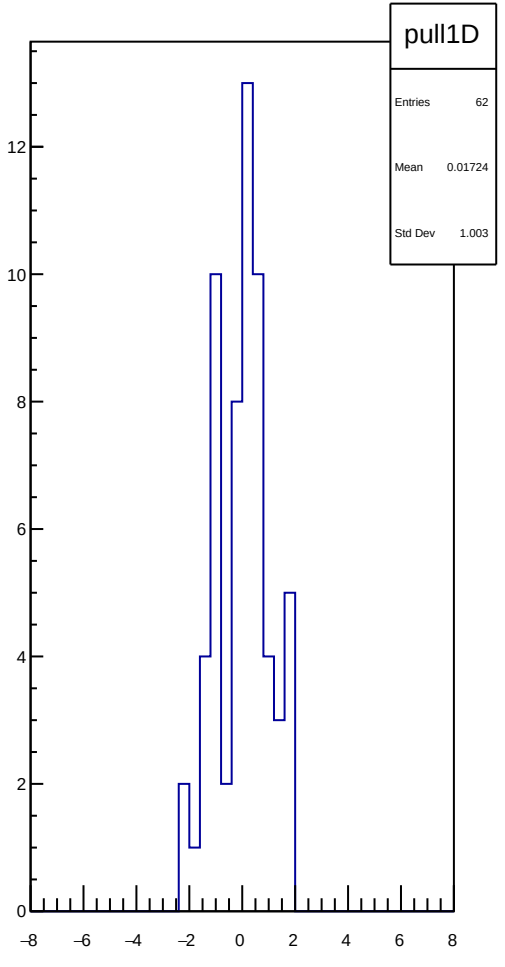

dit_asym_atr2_rms vs run
χ² / ndf 1248 / 61
p0 2694 ± 2.473
3100
3000
2900
2800
2700
2600

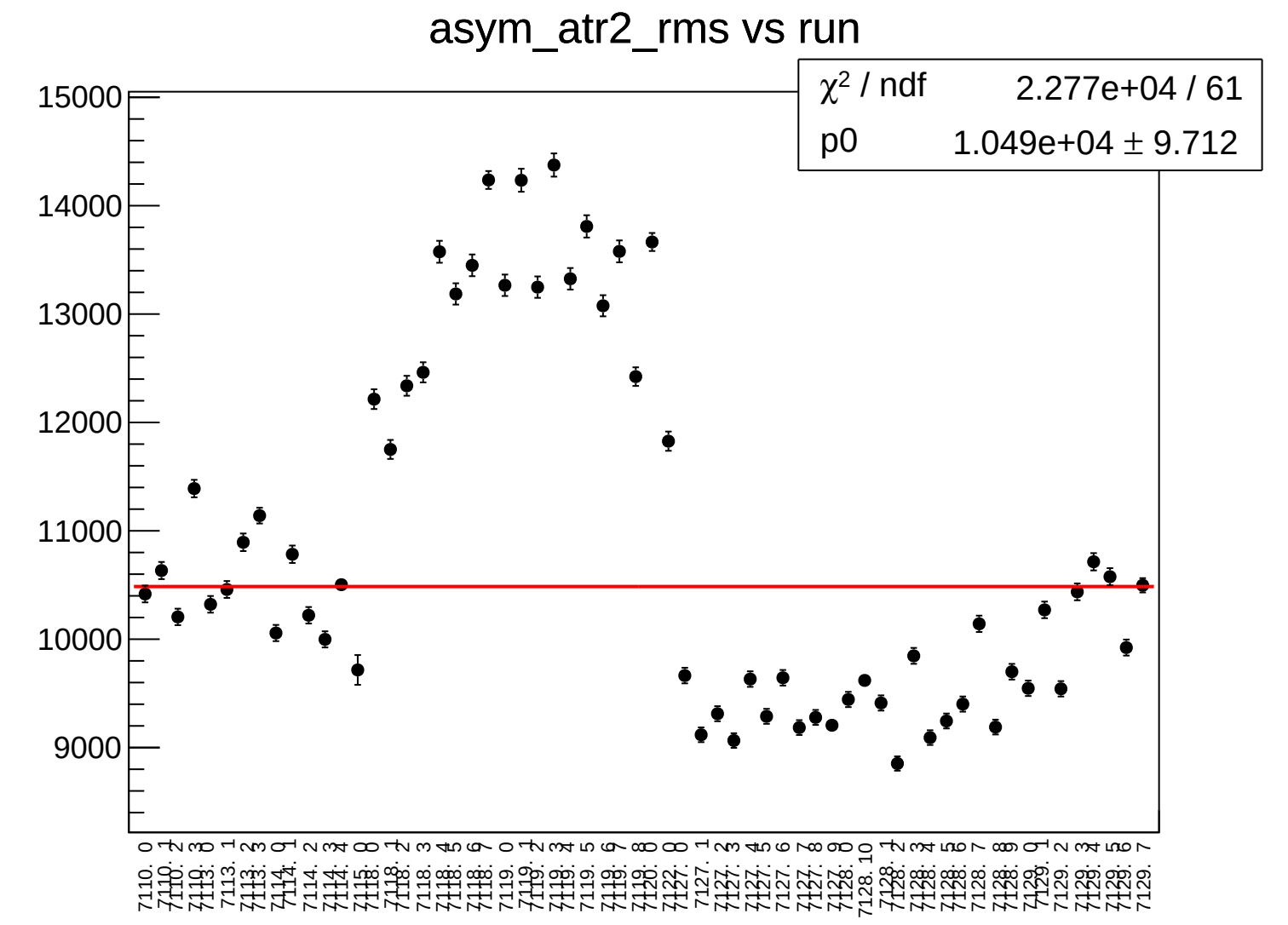

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 62.19 / 61
p0 −3840 ± 1.309e+04
pull
Entries 62
Mean 95.86
Std Dev 75.53

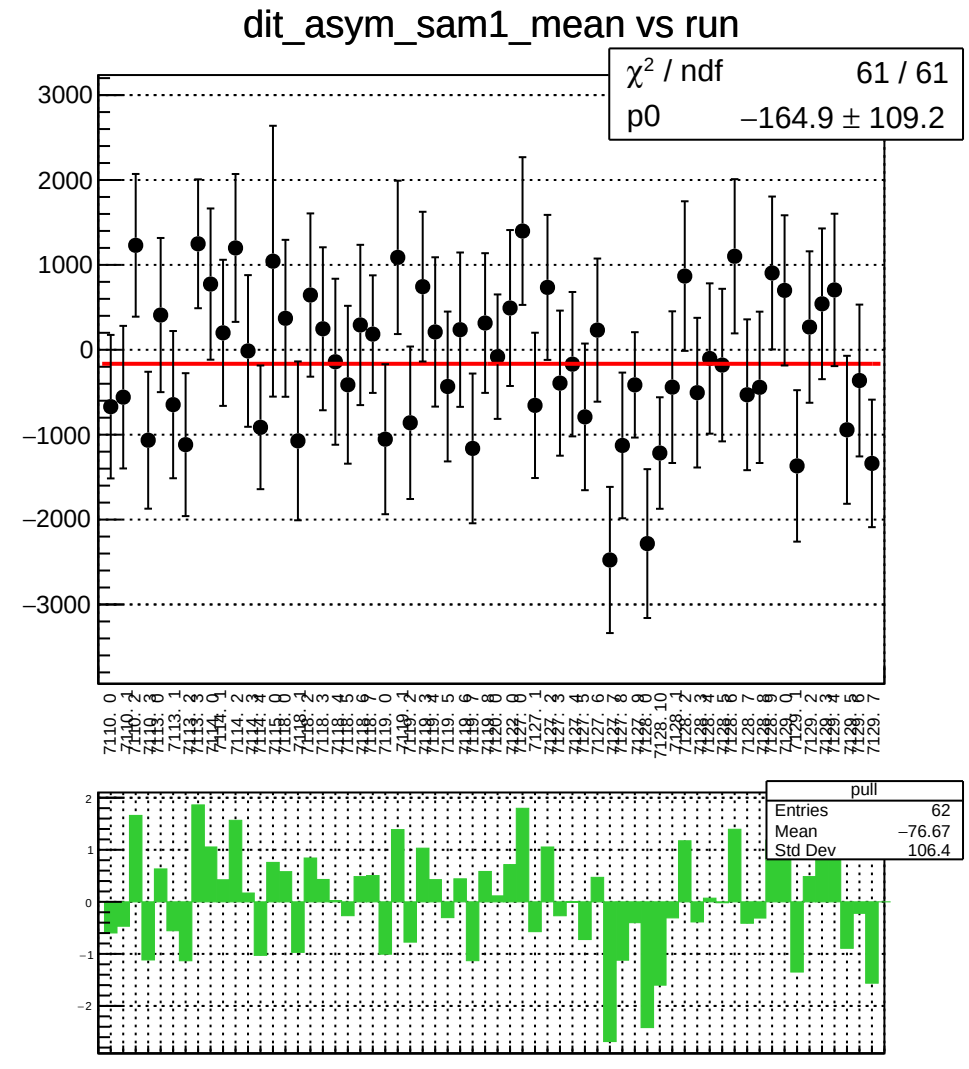

pull1D
Entries 62
Mean −0.01408
Std Dev 1.001

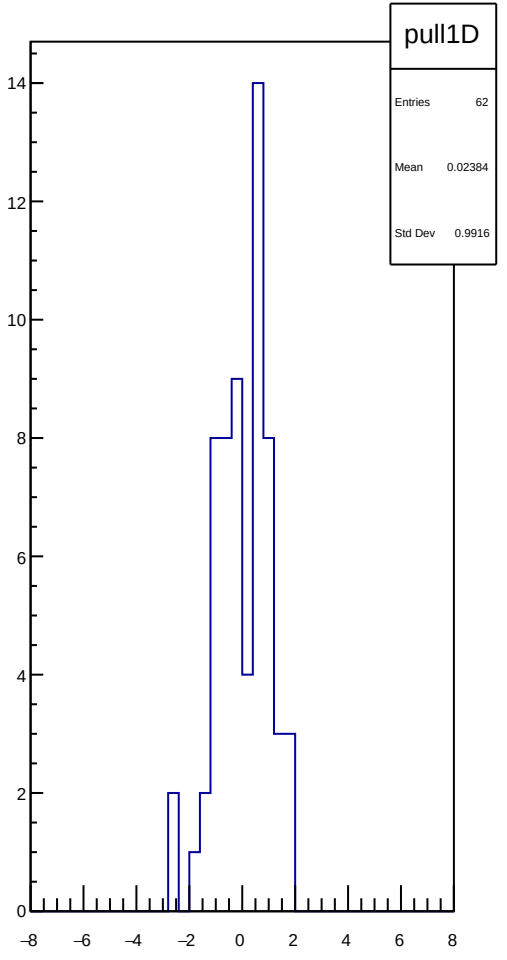

asym_atr2_correction_rms vs run
χ² / ndf 2.545e+04 / 61
p0 9984 ± 9.258
14000
13000
12000
11000
10000
9000
8000

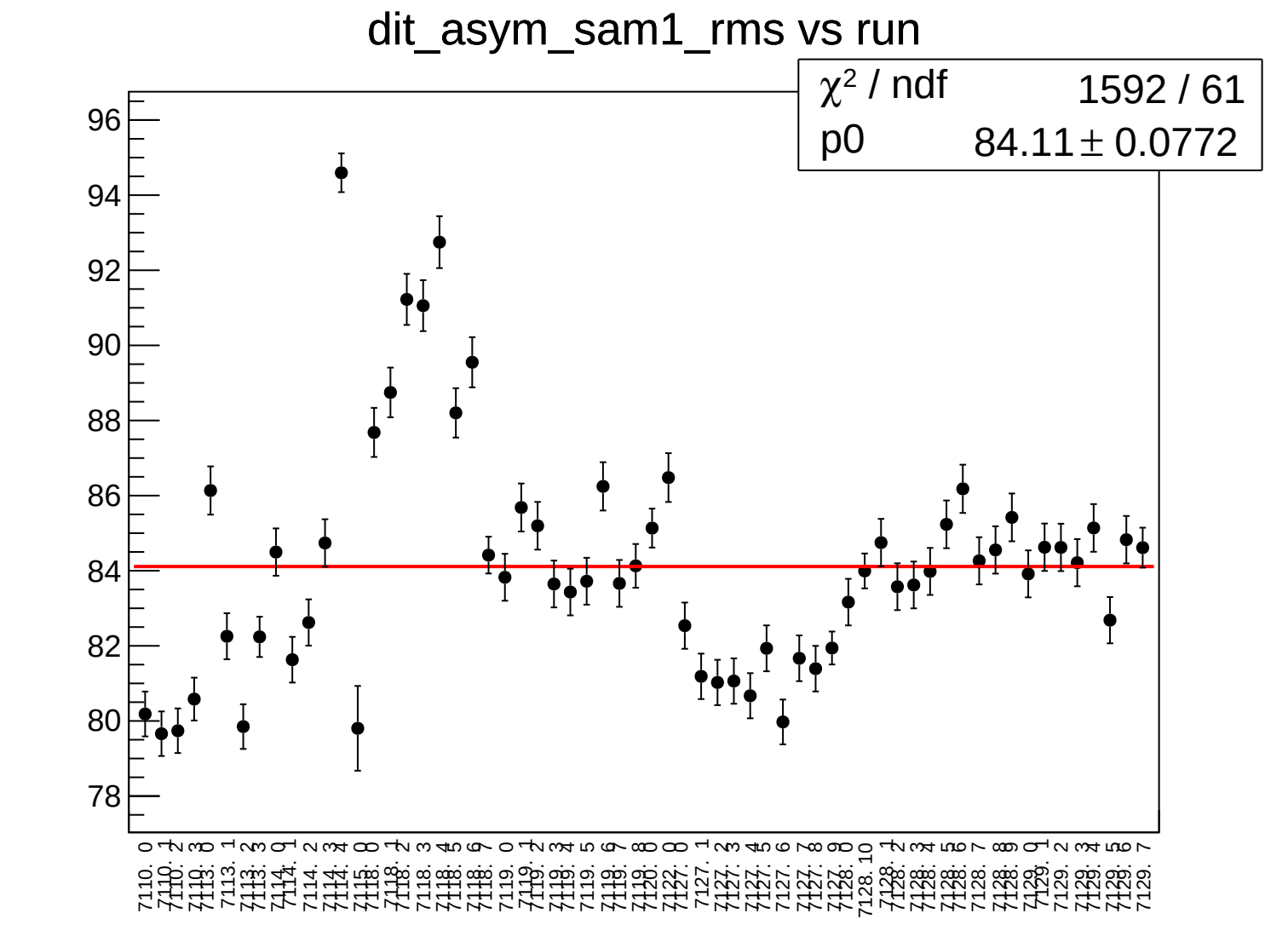

asym_atr2_mean vs run
×10^3
χ² / ndf 62.4 / 61
p0 9201± 1.373e+04
400
200
0
−200
−400
pull
Entries 62
Mean 38.75
Std Dev 48.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

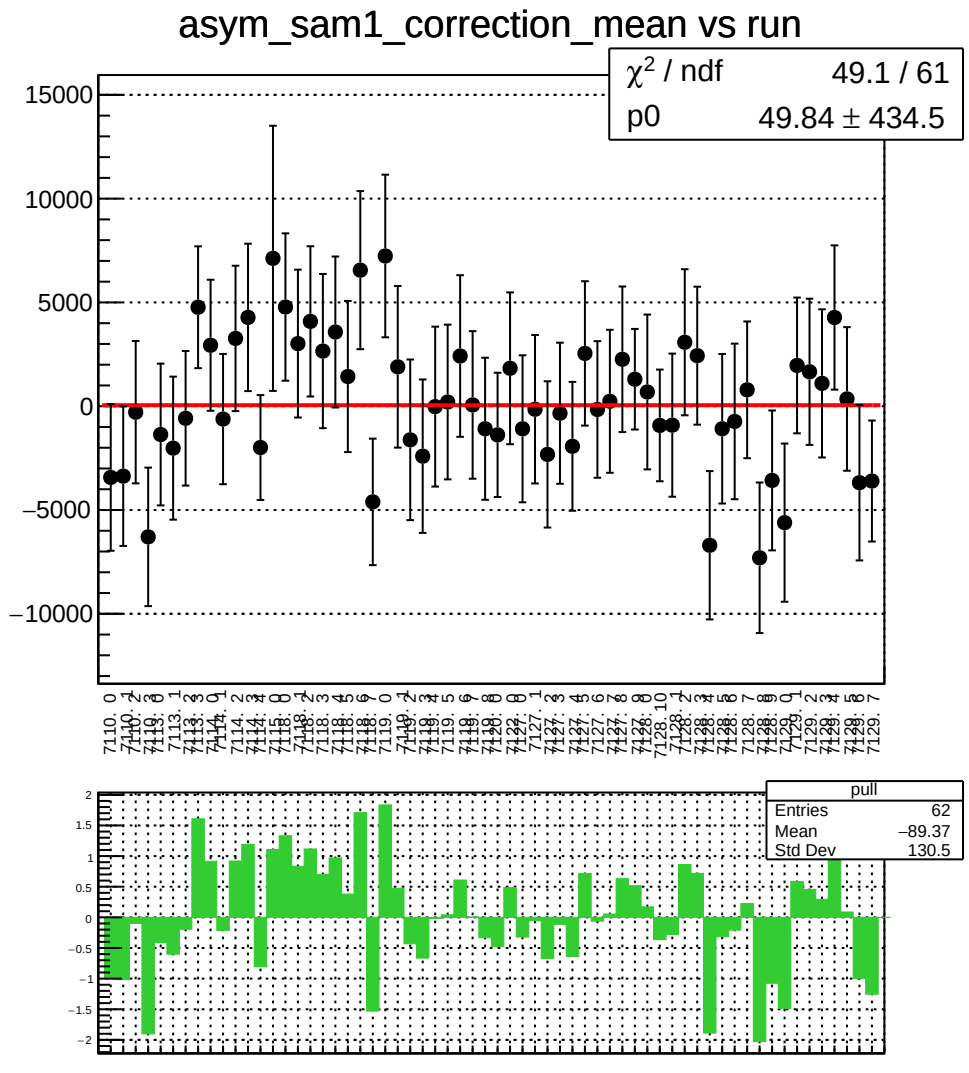

pull1D
Entries 62
Mean 0.01724
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

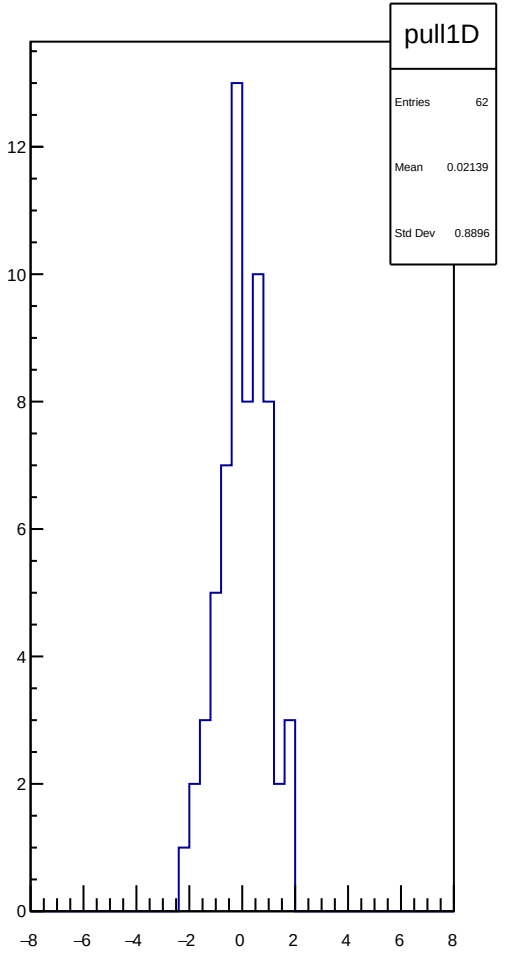

asym_atr2_rms vs run
χ^2 / ndf 2.277e+04 / 61
p0 1.049e+04 ± 9.712
15000
14000
13000
12000
11000
10000
9000

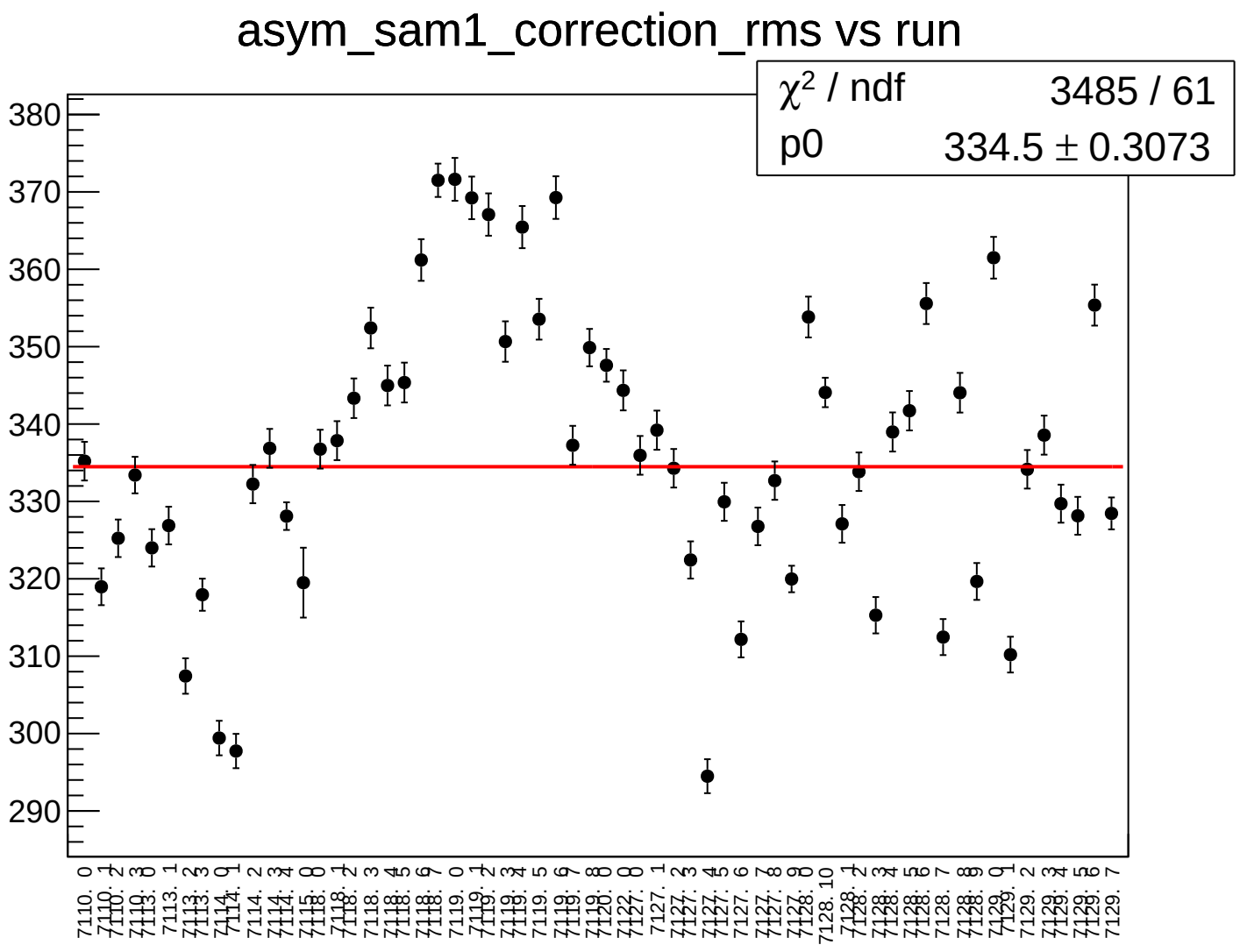

dit_asym_sam1_mean vs run
χ² / ndf 61 / 61
p0 −164.9 ± 109.2
pull
Entries 62
Mean −76.67
Std Dev 106.4

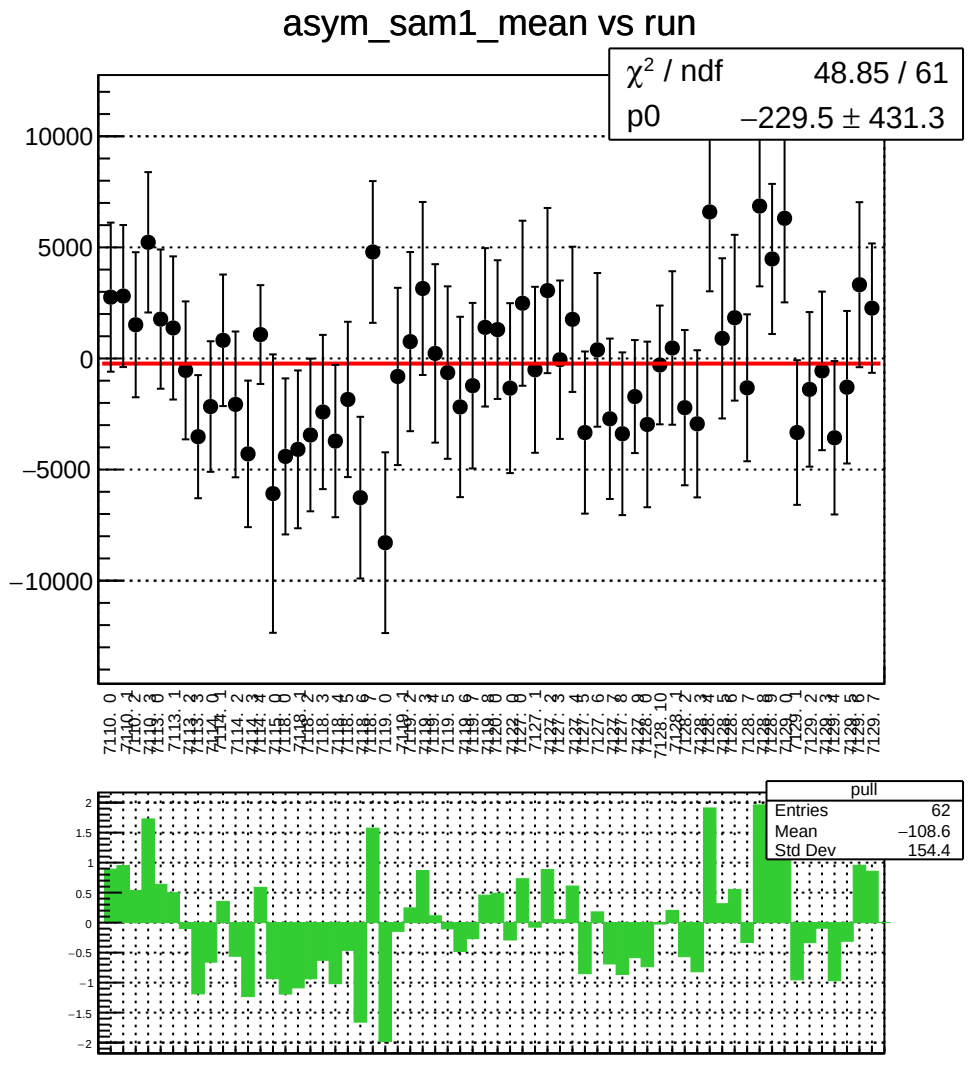

pull1D
Entries 62
Mean 0.02384
Std Dev 0.9916

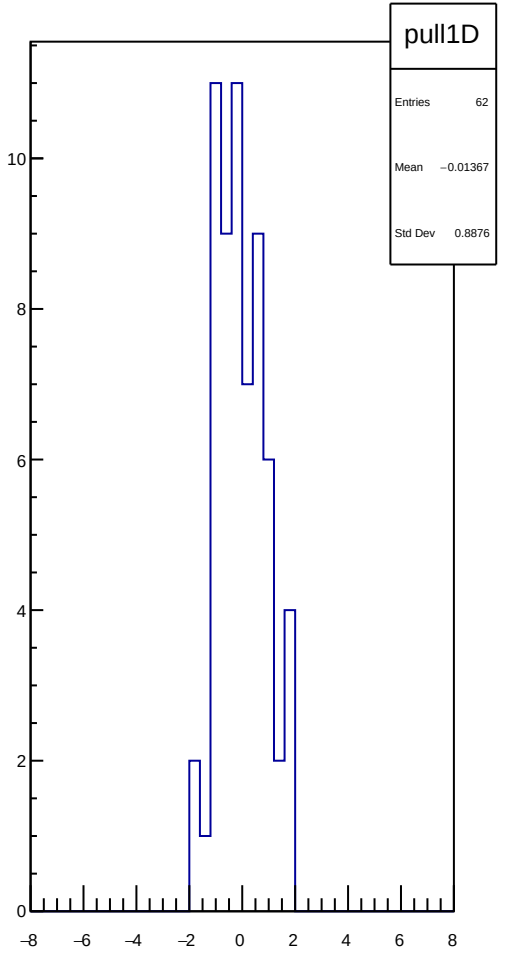

dit_asym_sam1_rms vs run
χ² / ndf 1592 / 61
p0 84.11 ± 0.0772
96
94
92
90
88
86
84
82
80
78
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

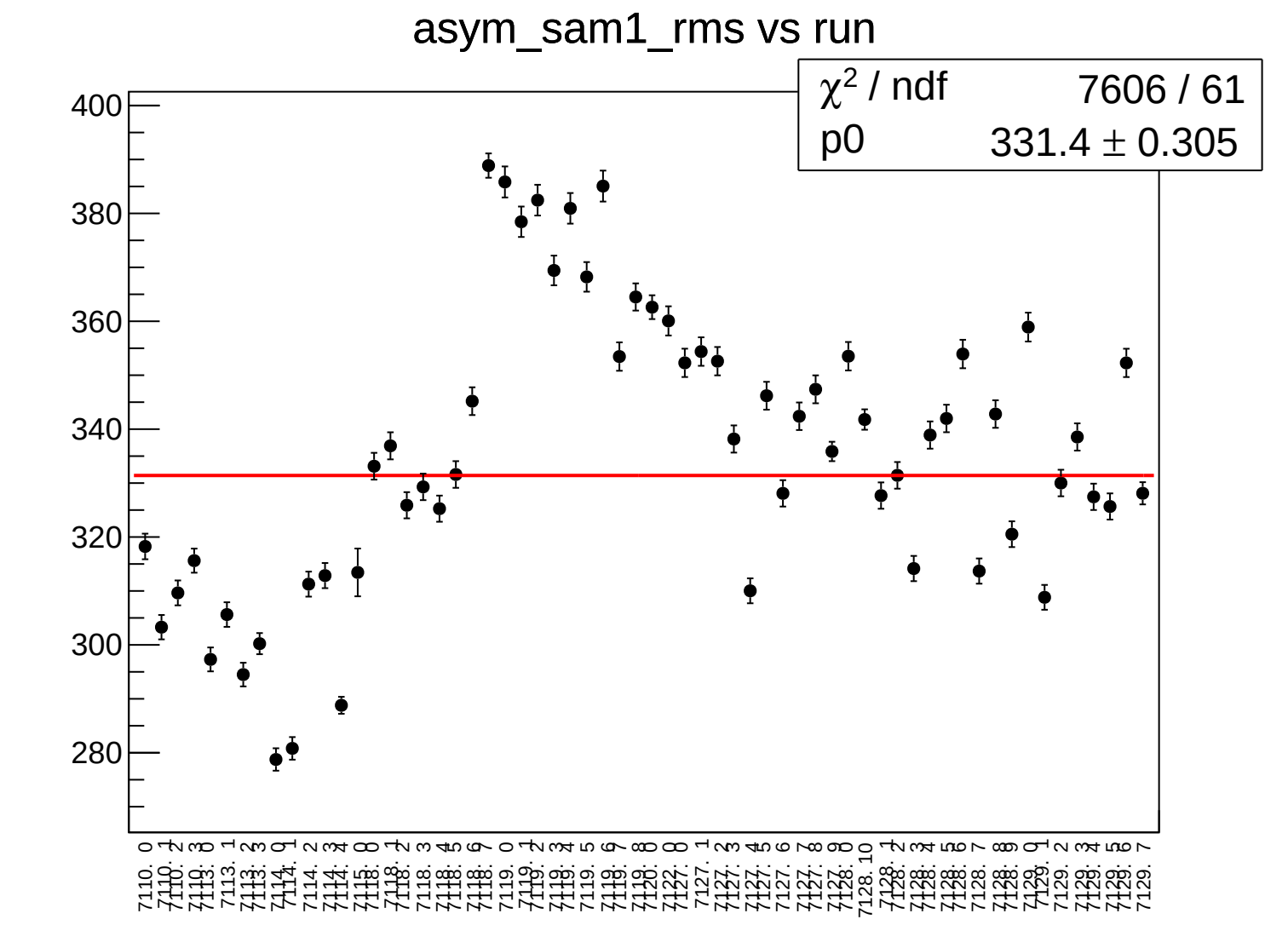

asym_sam1_correction_mean vs run
χ² / ndf 49.1 / 61
p0 49.84 ± 434.5
15000
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −89.37
Std Dev 130.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

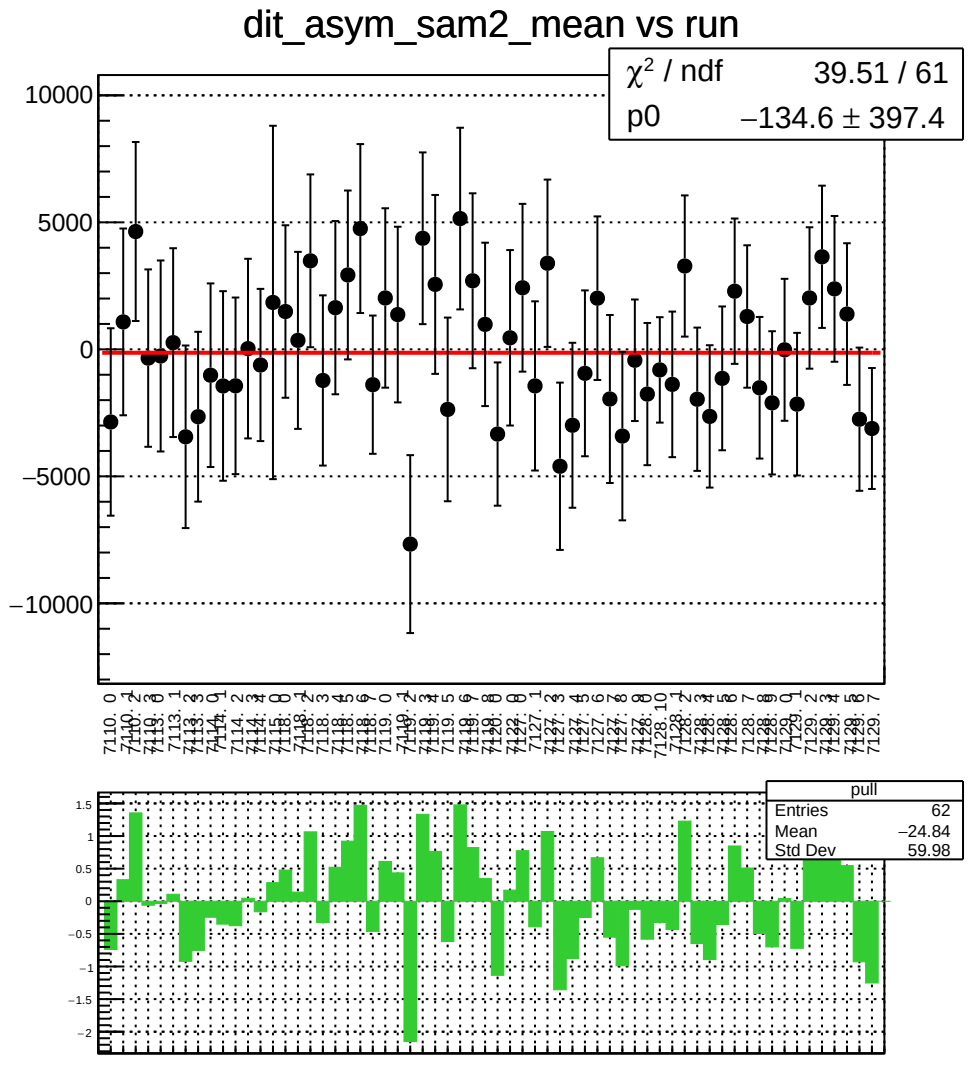

pull1D
Entries 62
Mean 0.02139
Std Dev 0.8896
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

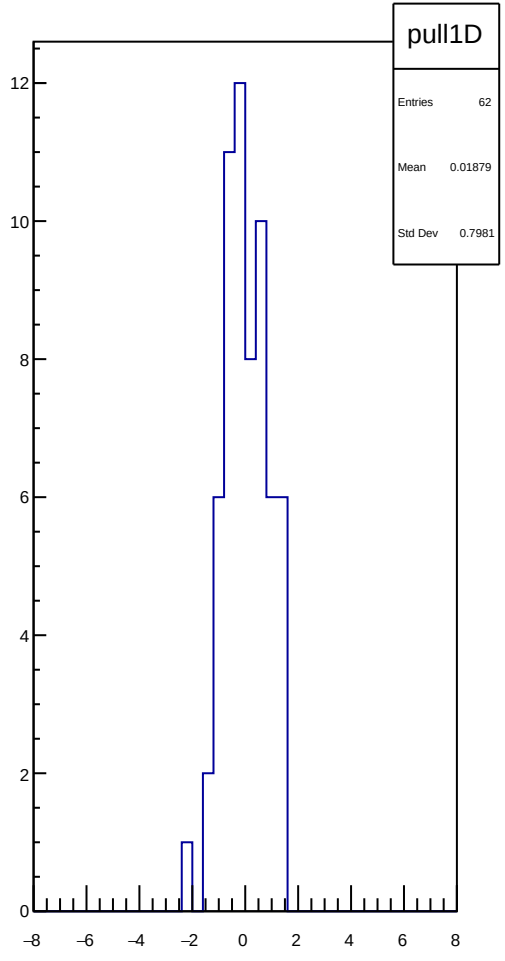

asym_sam1_correction_rms vs run
χ² / ndf 3485 / 61
p0 334.5 ± 0.3073
380
370
360
350
340
330
320
310
300
290
7110. 0
7110. 1
7110. 2
7110. 3
7110. 4
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

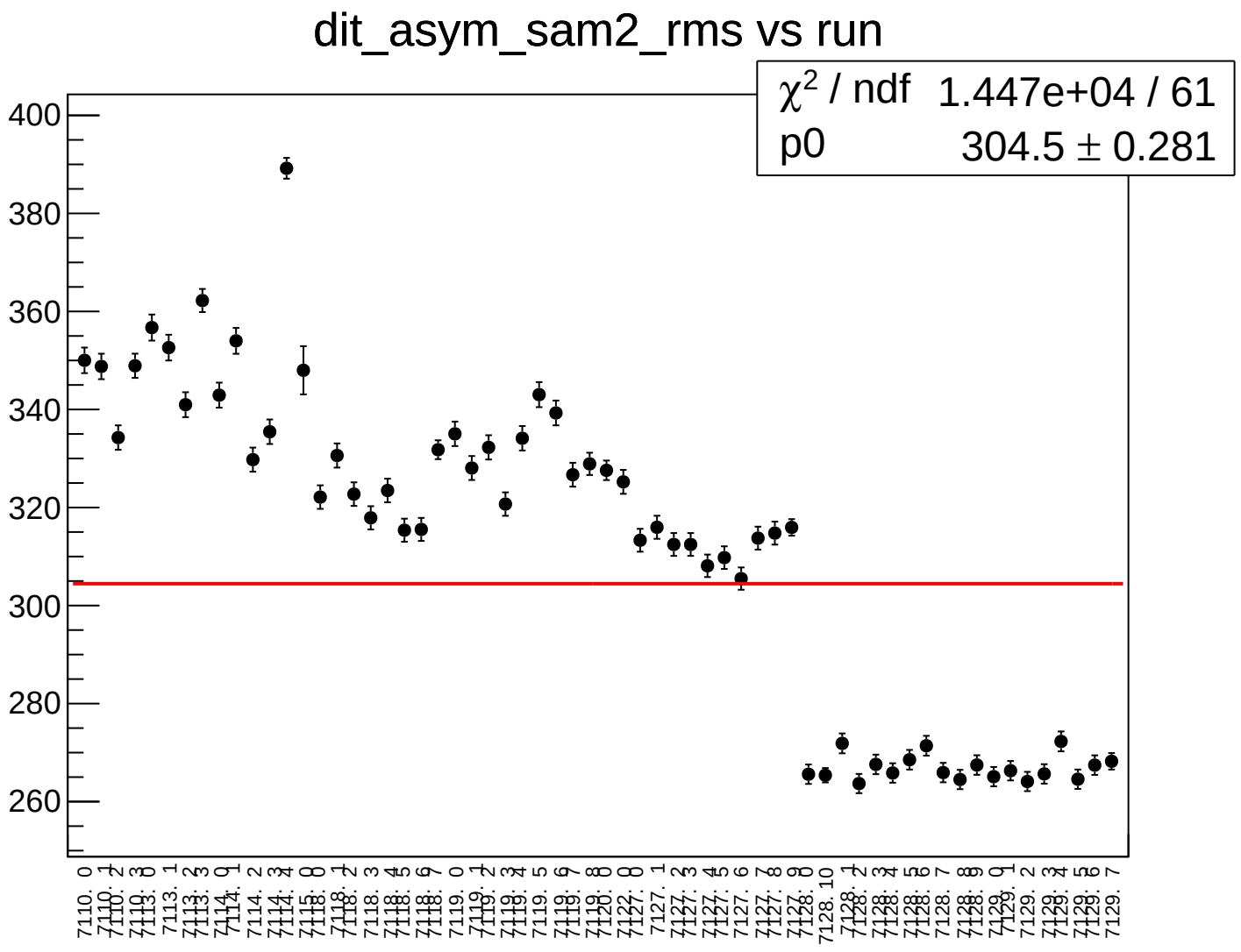

asym_sam1_mean vs run
χ² / ndf 48.85 / 61
p0 −229.5 ± 431.3
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −108.6
Std Dev 154.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

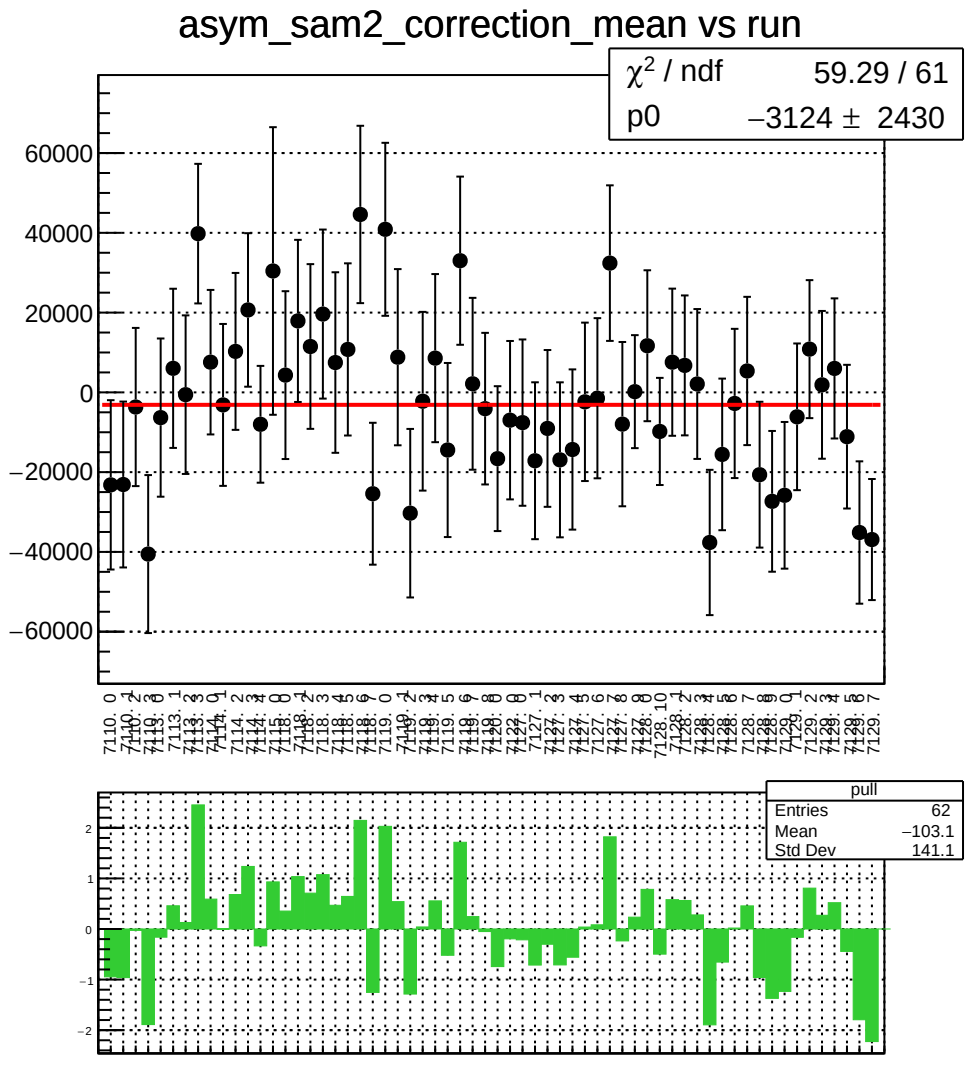

pull1D
Entries 62
Mean −0.01367
Std Dev 0.8876
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

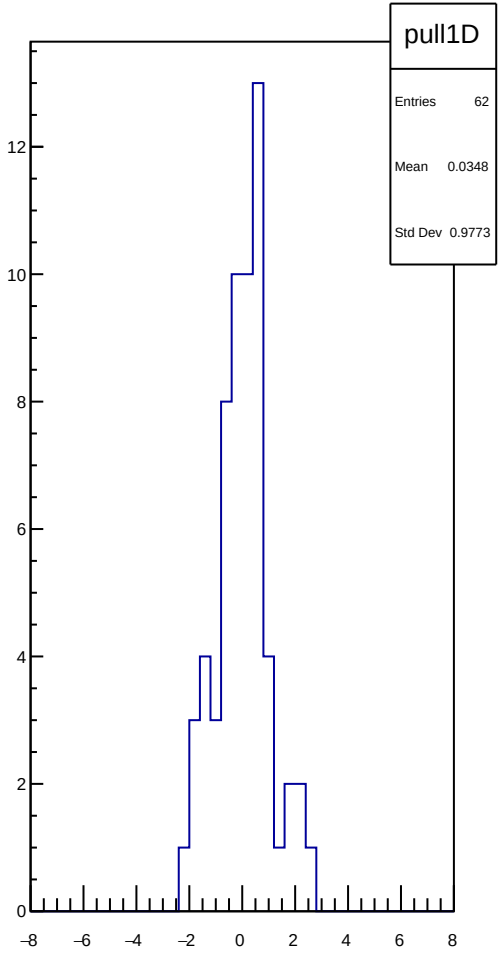

asym_sam1_rms vs run
χ² / ndf 7606 / 61
p0 331.4 ± 0.305
400
380
360
340
320
300
280
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

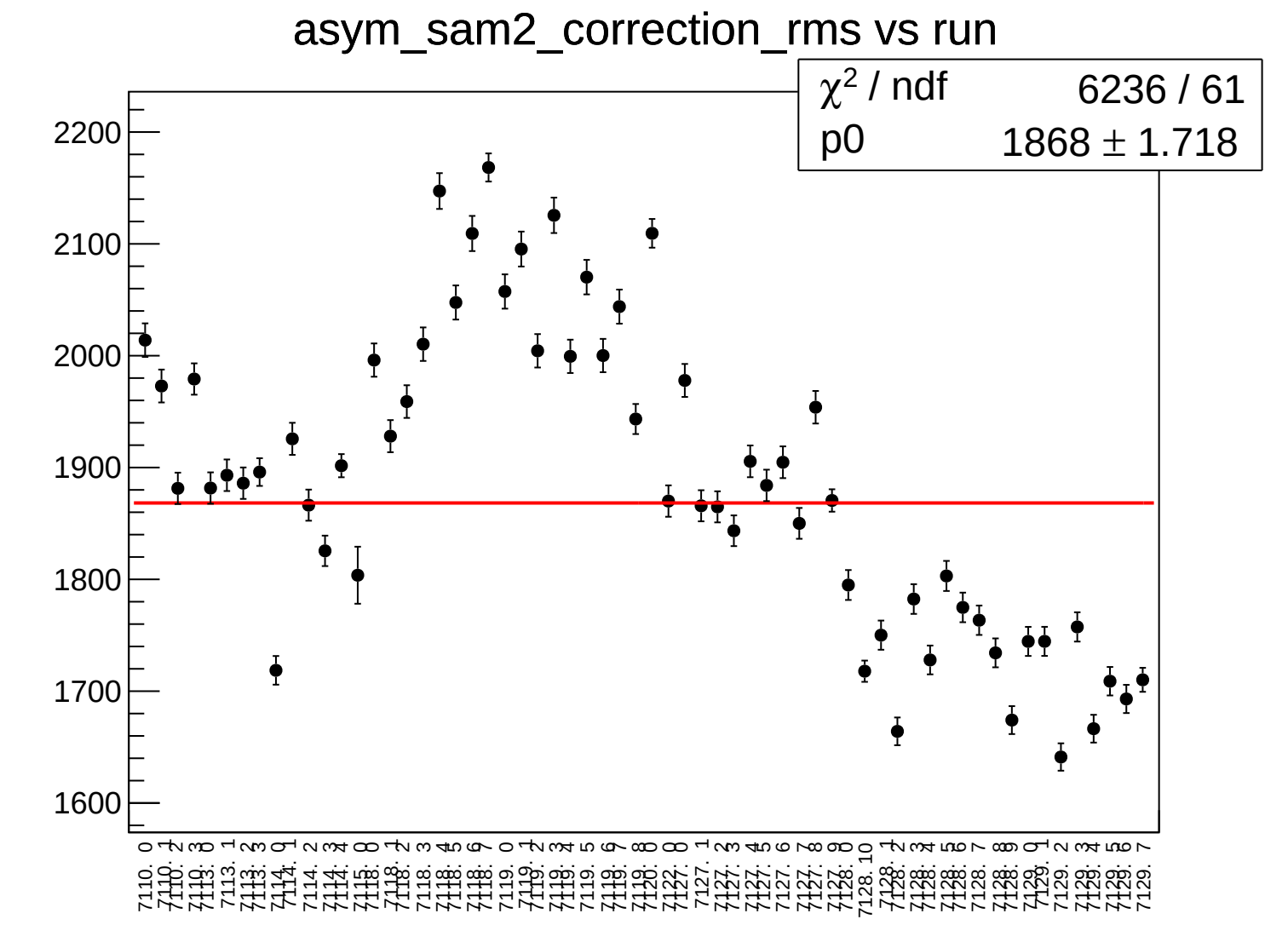

dit_asym_sam2_mean vs run
χ² / ndf 39.51 / 61
p0 −134.6 ± 397.4
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −24.84
Std Dev 59.98
1.5
1
0.5
0
−0.5
−1
−1.5
−2

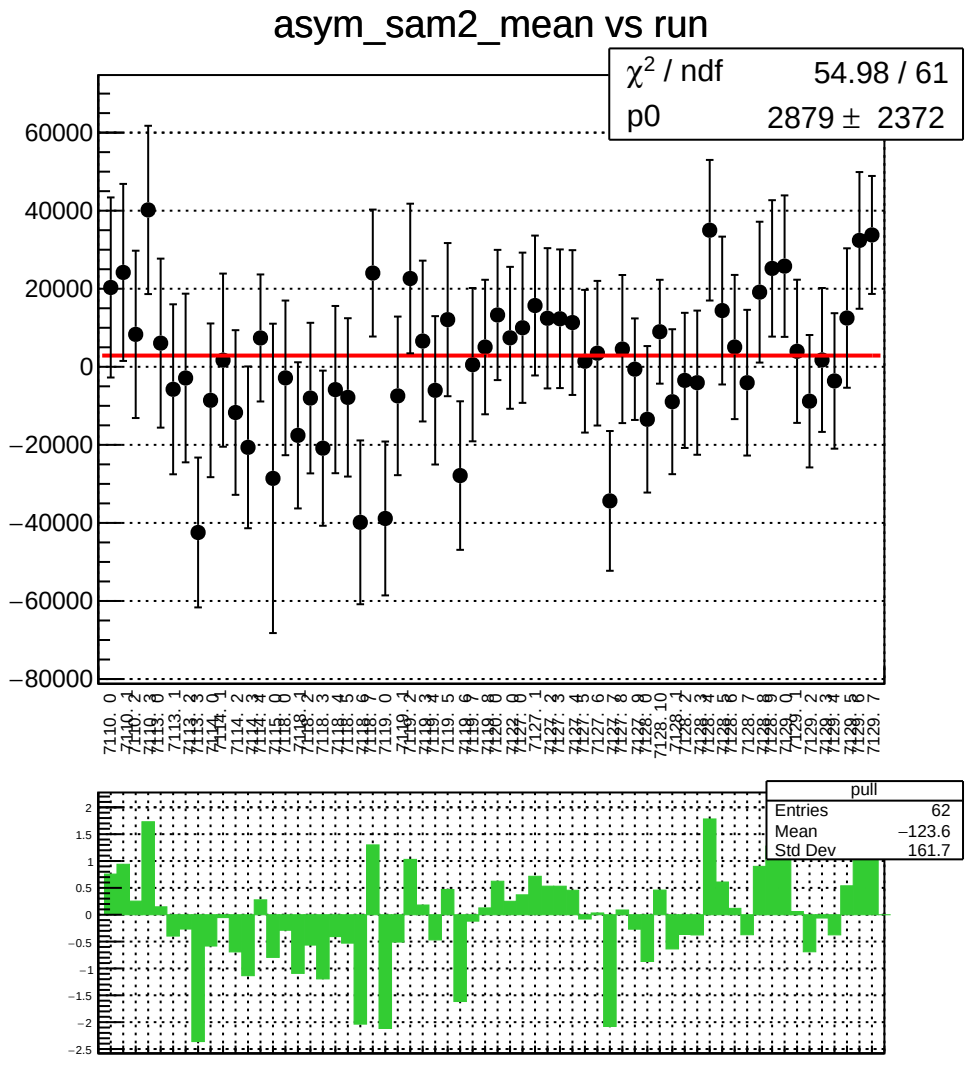

pull1D
Entries 62
Mean 0.01879
Std Dev 0.7981
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

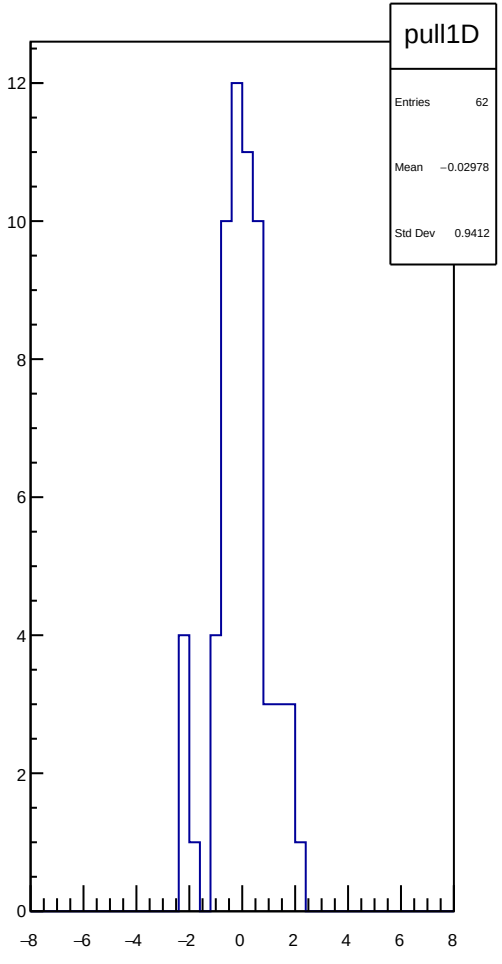

dit_asym_sam2_rms vs run
χ² / ndf 1.447e+04 / 61
p0 304.5 ± 0.281
400
380
360
340
320
300
280
260

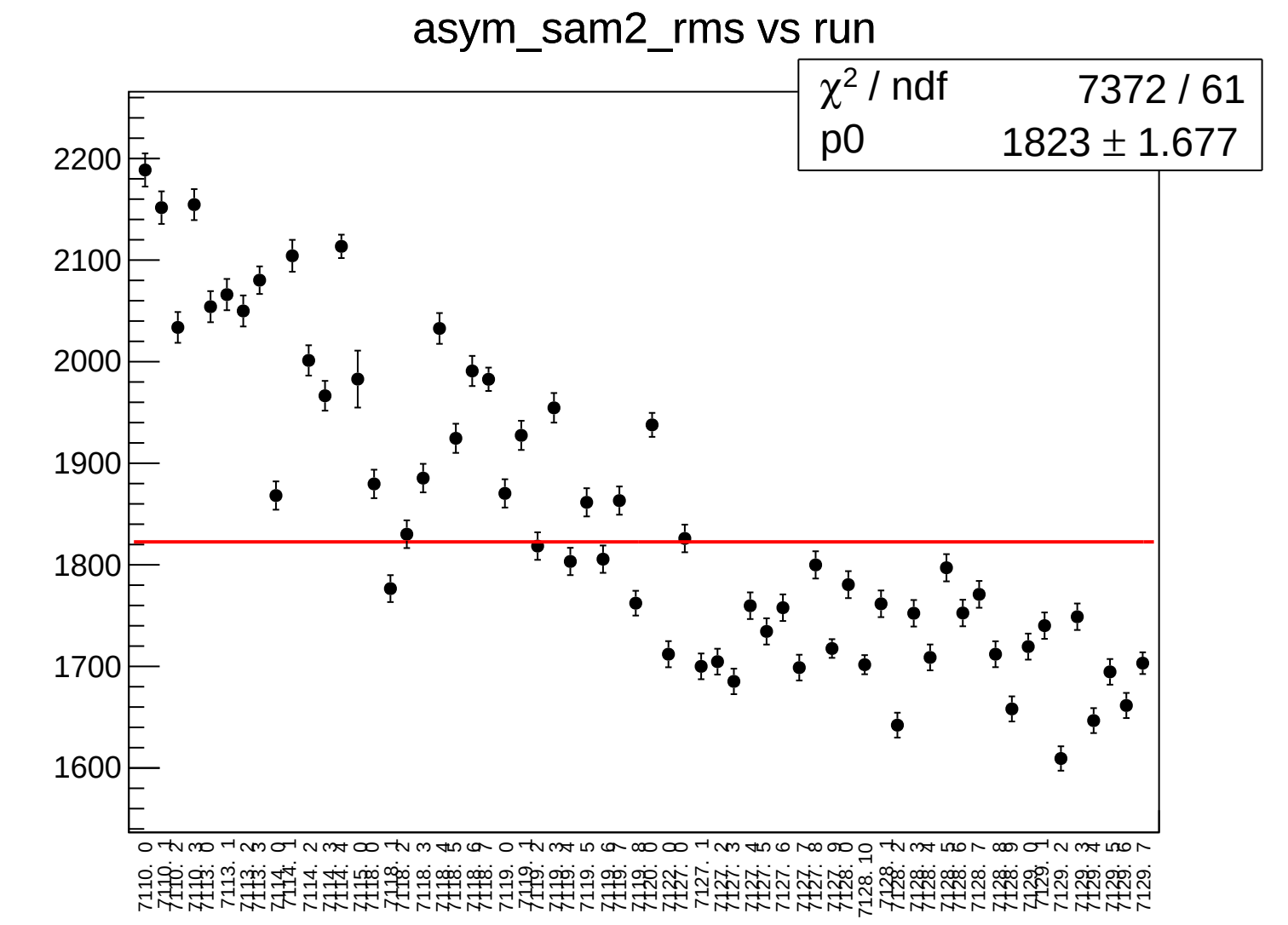

asym_sam2_correction_mean vs run
χ² / ndf 59.29 / 61
p0 −3124 ± 2430
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 62
Mean −103.1
Std Dev 141.1
2
1
0
−1
−2

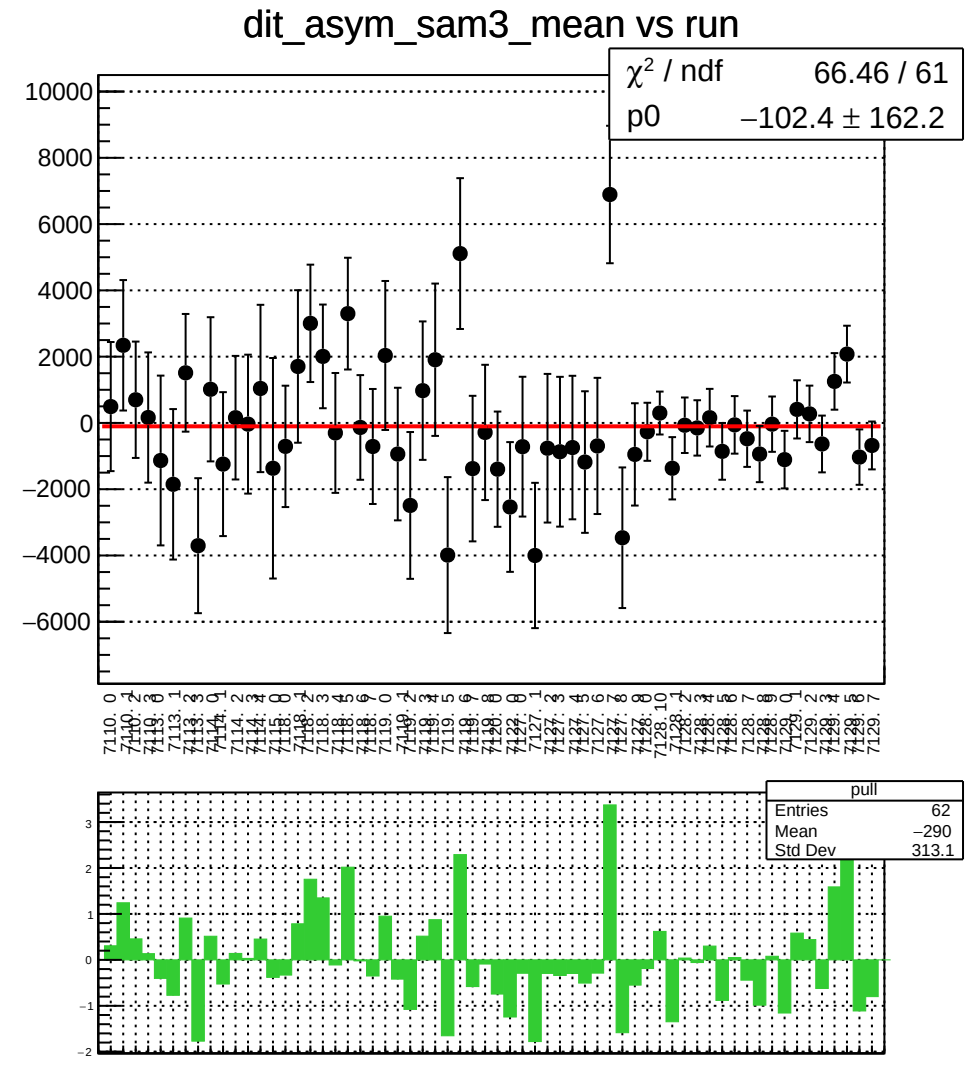

pull1D
Entries 62
Mean 0.0348
Std Dev 0.9773
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

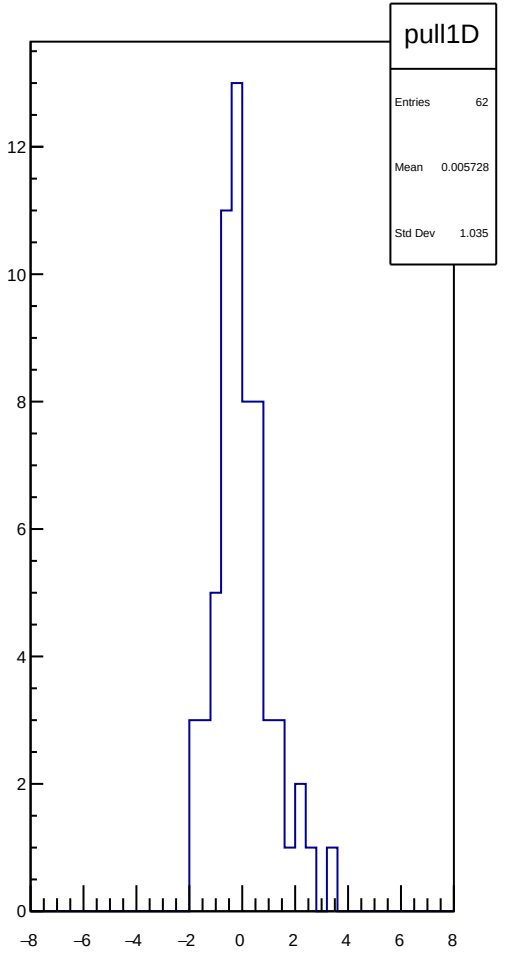

asym_sam2_correction_rms vs run
χ^2 / ndf 6236 / 61
p0 1868 ± 1.718
2200
2100
2000
1900
1800
1700
1600
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

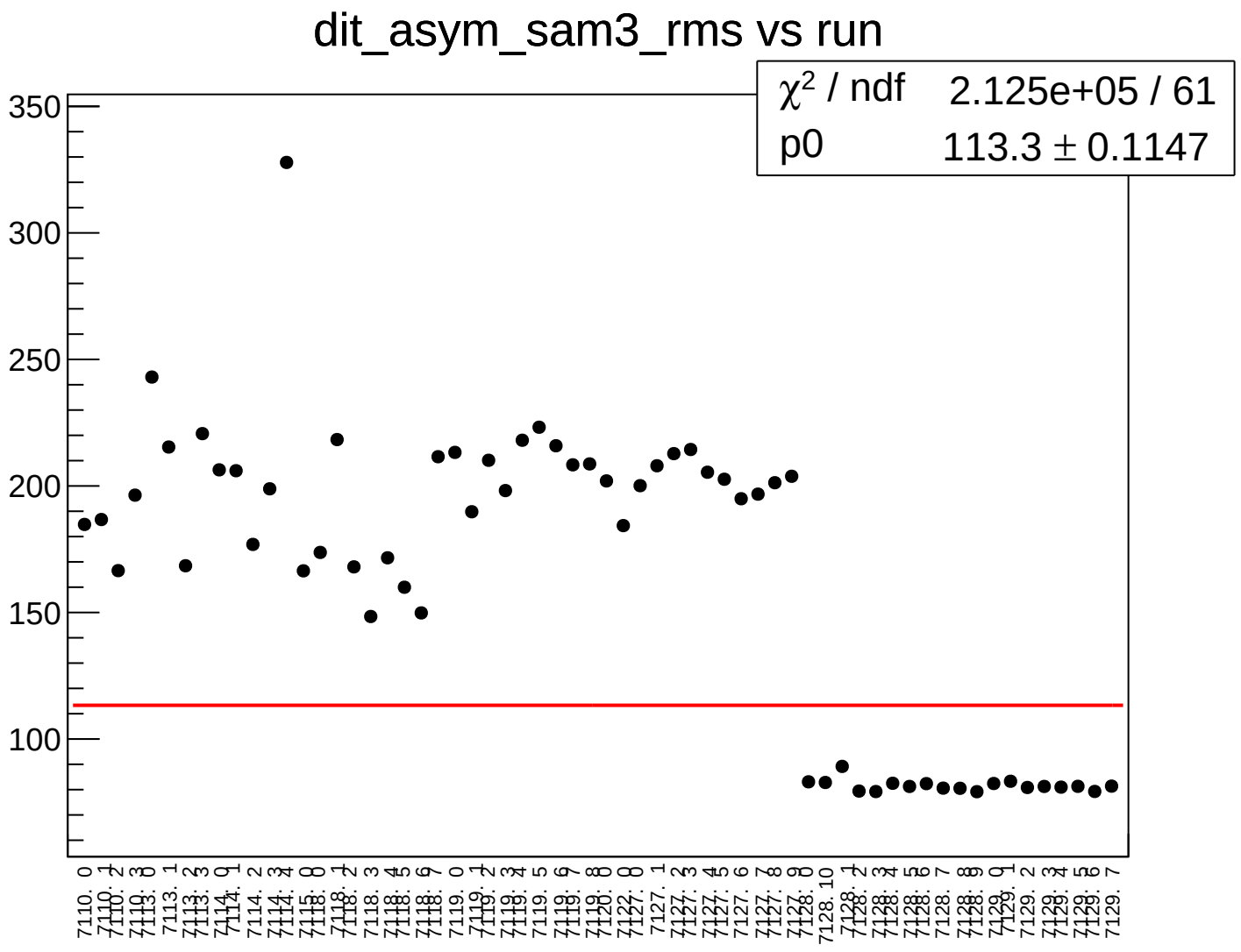

asym_sam2_mean vs run
χ² / ndf 54.98 / 61
p0 2879 ± 2372
pull
Entries 62
Mean −123.6
Std Dev 161.7

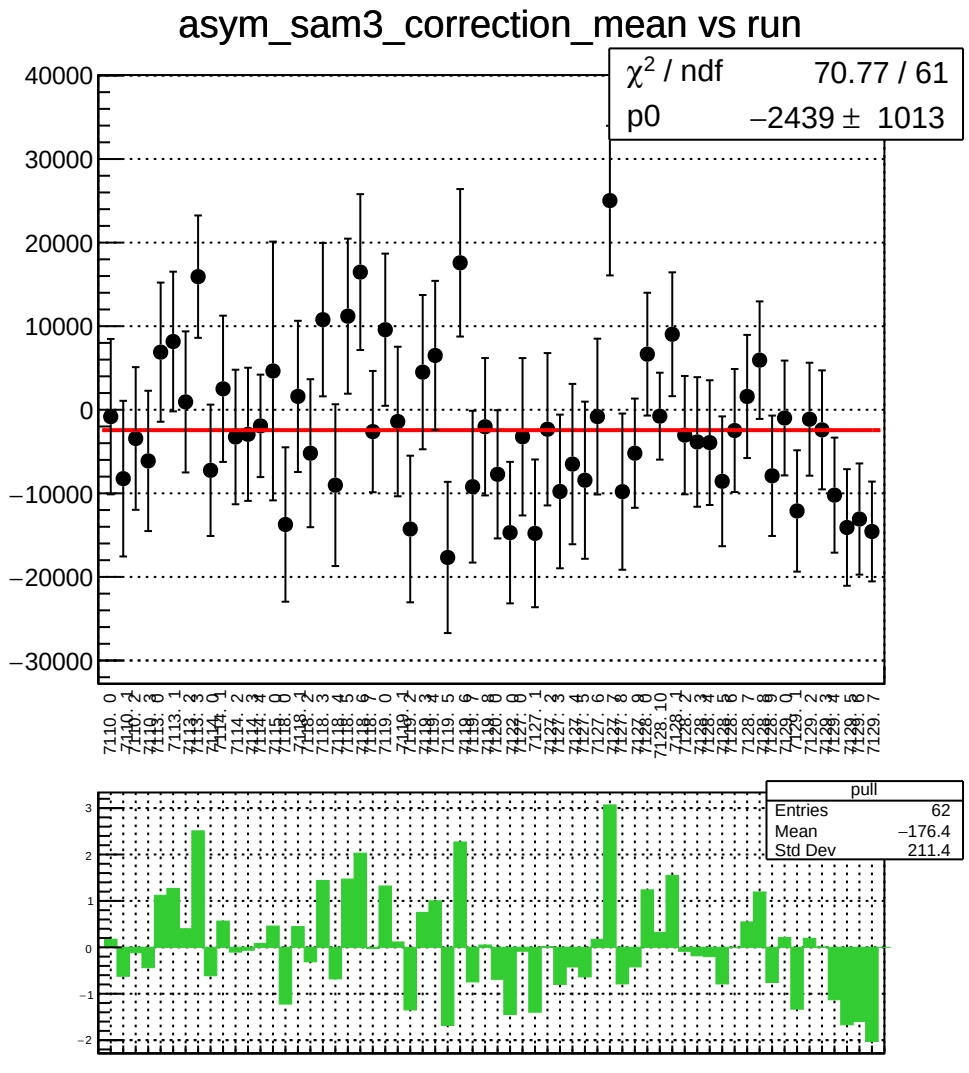

pull1D
Entries 62
Mean −0.02978
Std Dev 0.9412

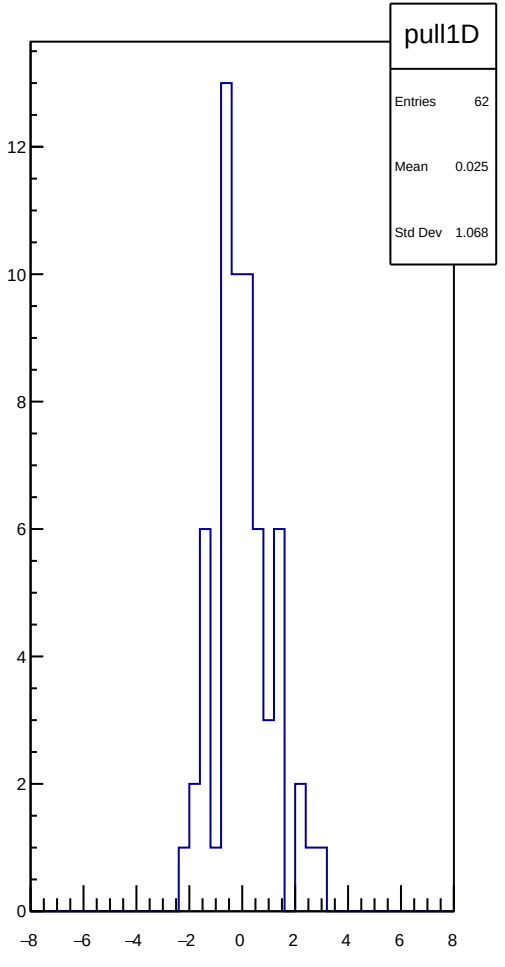

asym_sam2_rms vs run
χ² / ndf 7372 / 61
p0 1823 ± 1.677
2200
2100
2000
1900
1800
1700
1600
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

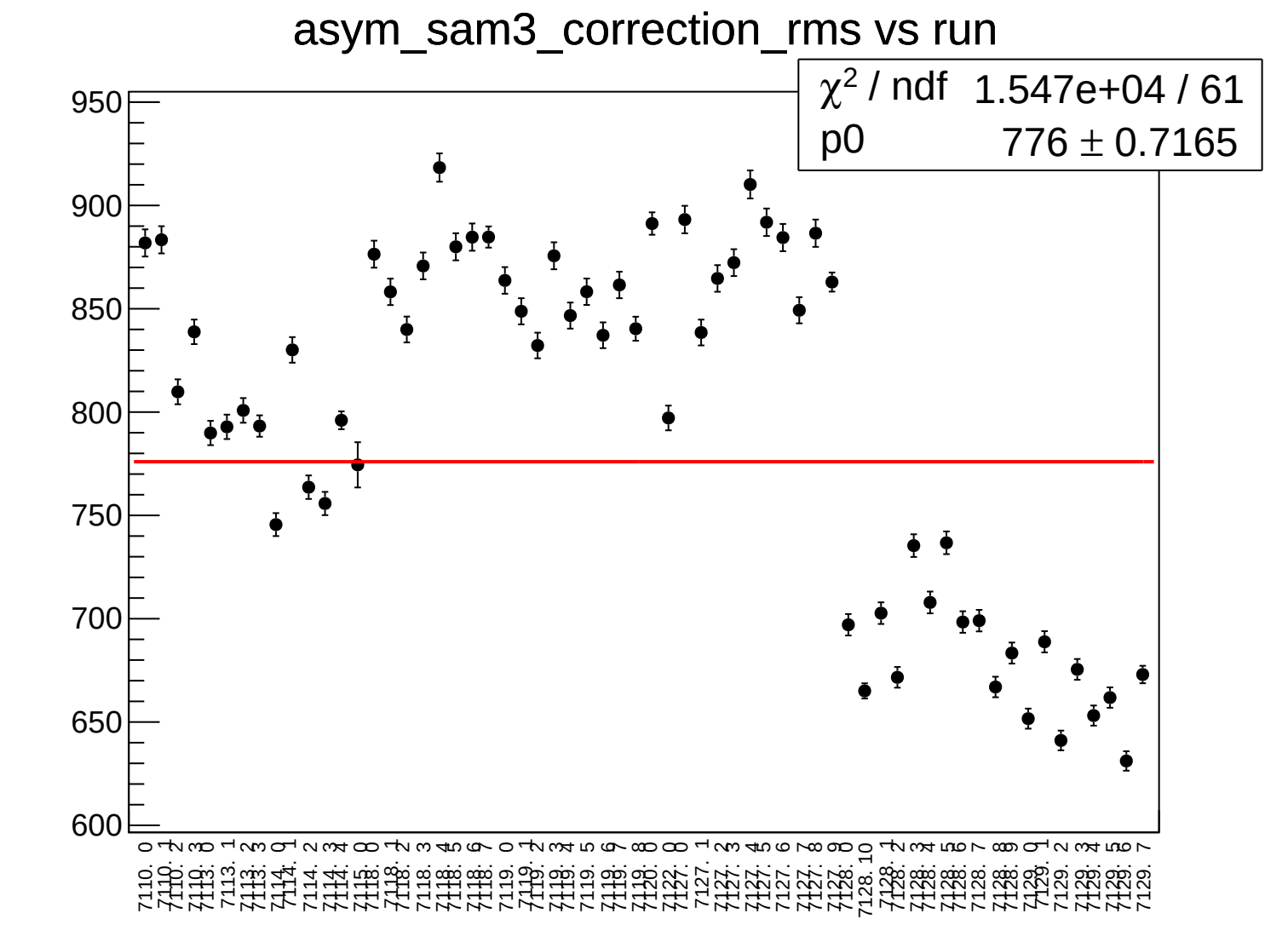

dit_asym_sam3_mean vs run
χ² / ndf 66.46 / 61
p0 −102.4 ± 162.2
pull
Entries 62
Mean −290
Std Dev 313.1

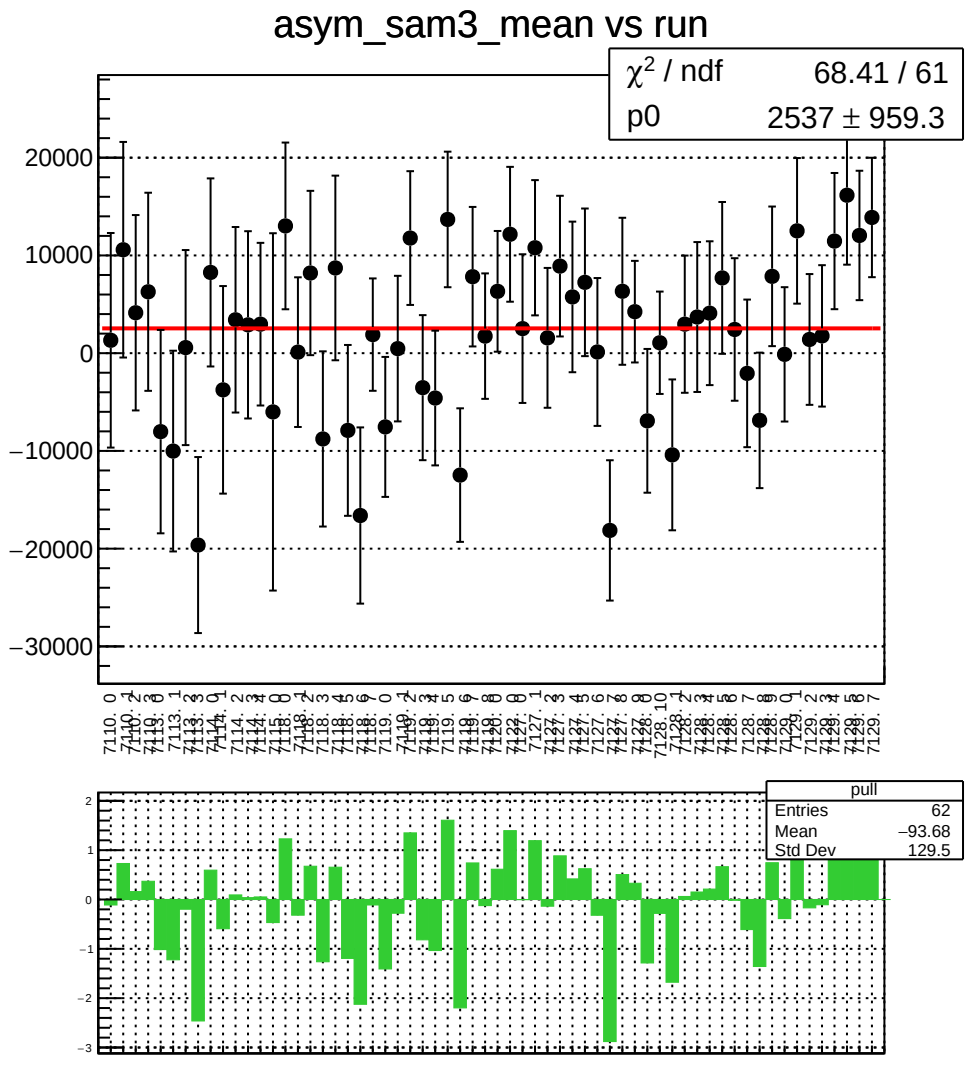

pull1D
Entries 62
Mean 0.005728
Std Dev 1.035

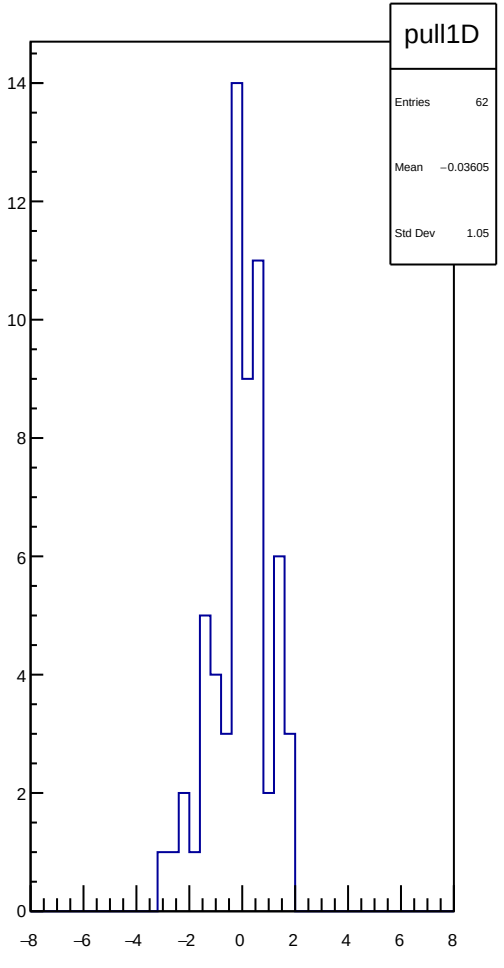

dit_asym_sam3_rms vs run
χ² / ndf 2.125e+05 / 61
p0 113.3 ± 0.1147
350
300
250
200
150
100

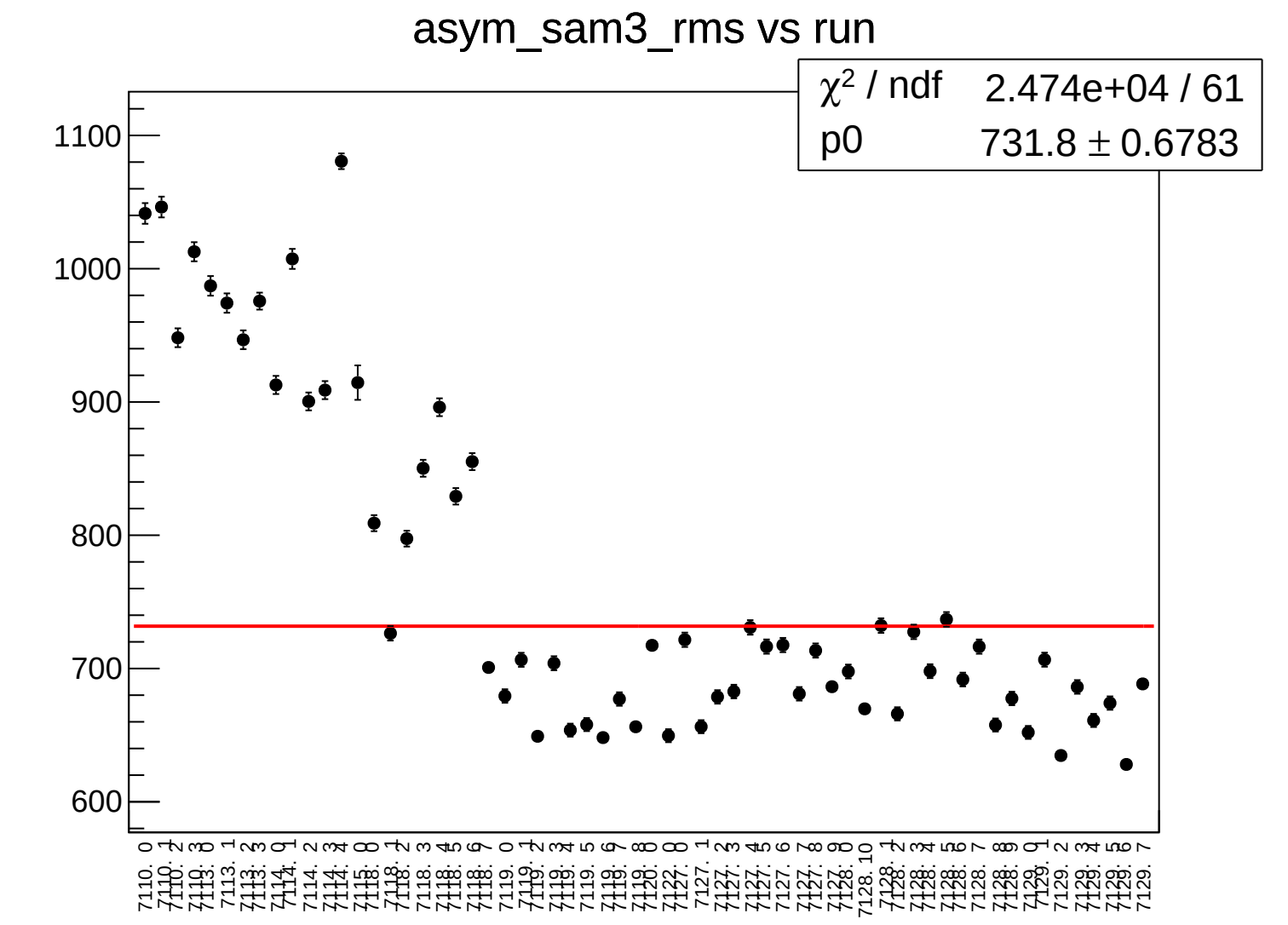

asym_sam3_correction_mean vs run
χ² / ndf 70.77 / 61
p0 −2439 ± 1013
pull
Entries 62
Mean −176.4
Std Dev 211.4

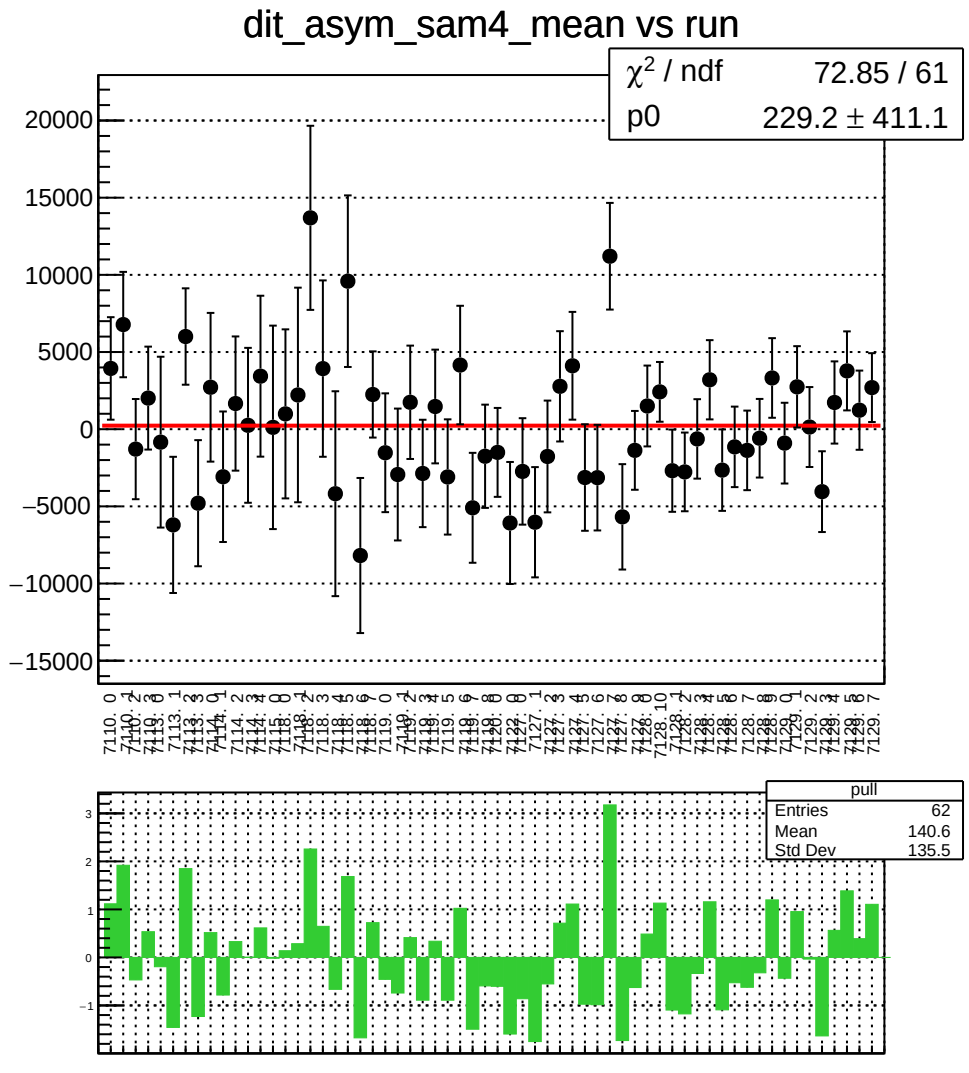

pull1D
Entries 62
Mean 0.025
Std Dev 1.068

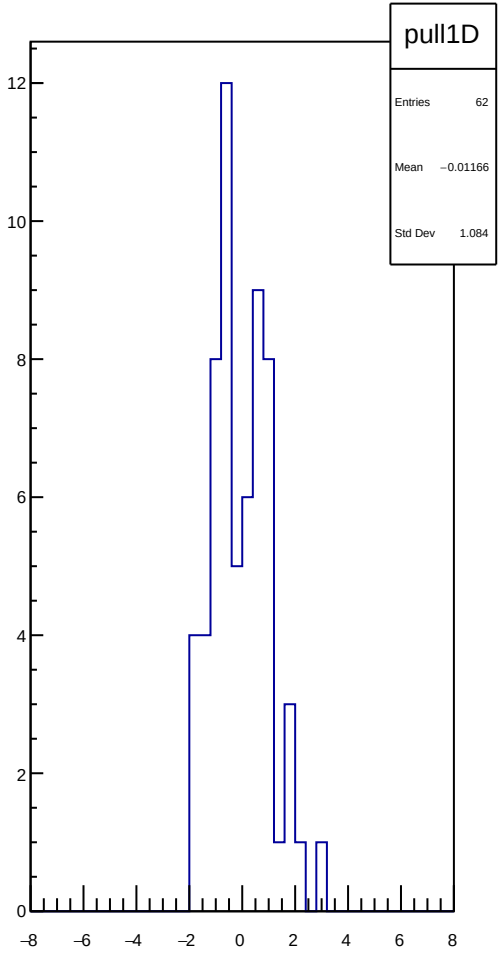

asym_sam3_correction_rms vs run
χ² / ndf 1.547e+04 / 61
p0 776 ± 0.7165
950
900
850
800
750
700
650
600
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

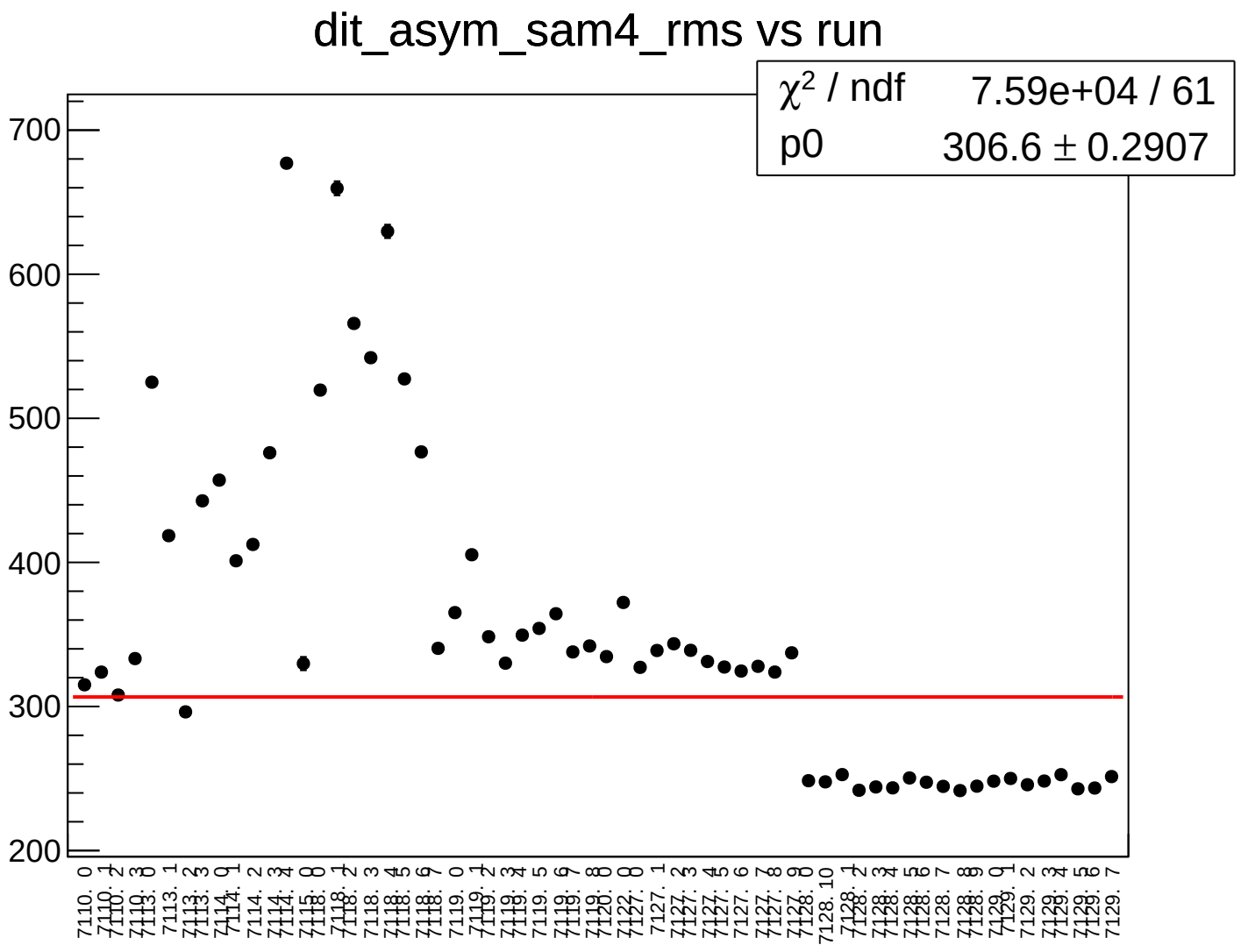

asym_sam3_mean vs run
χ² / ndf 68.41 / 61
p0 2537 ± 959.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 62
Mean −93.68
Std Dev 129.5
2
1
0
−1
−2
−3

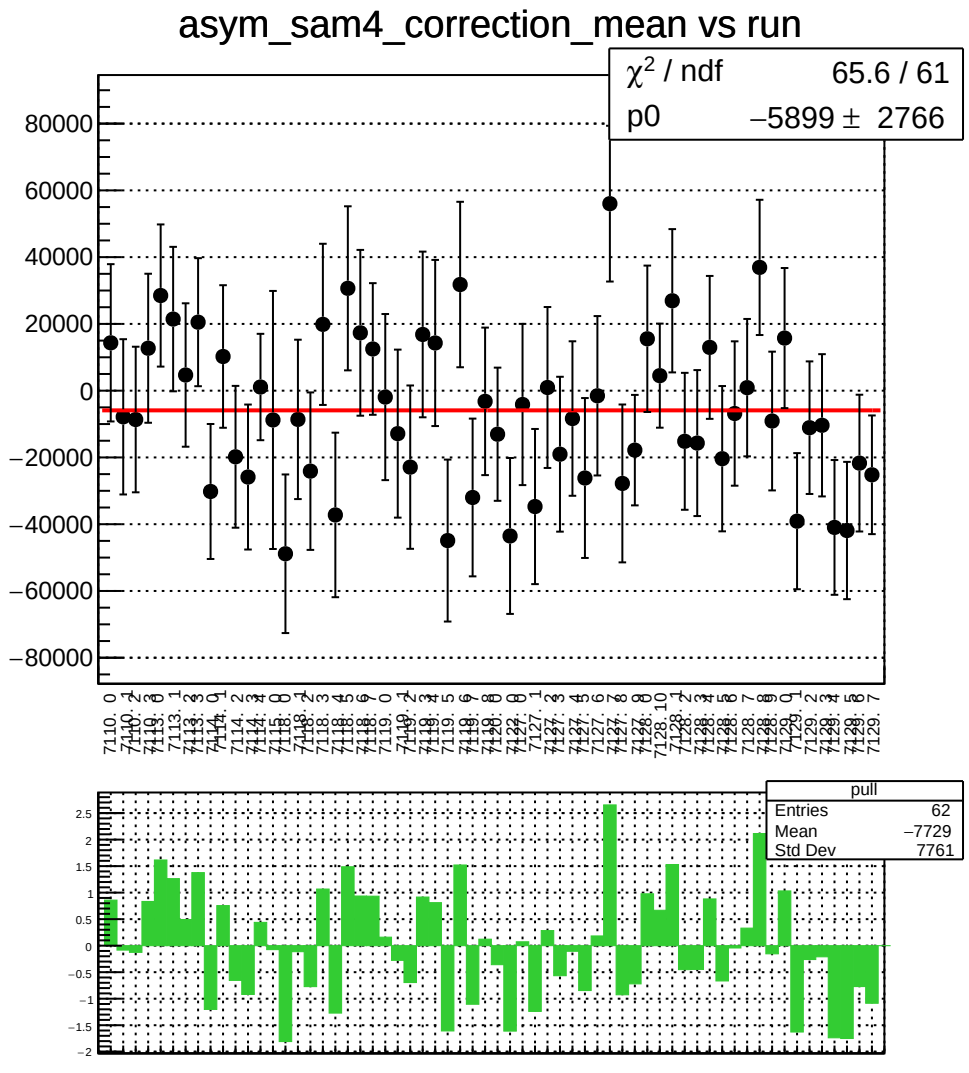

pull1D
Entries 62
Mean −0.03605
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

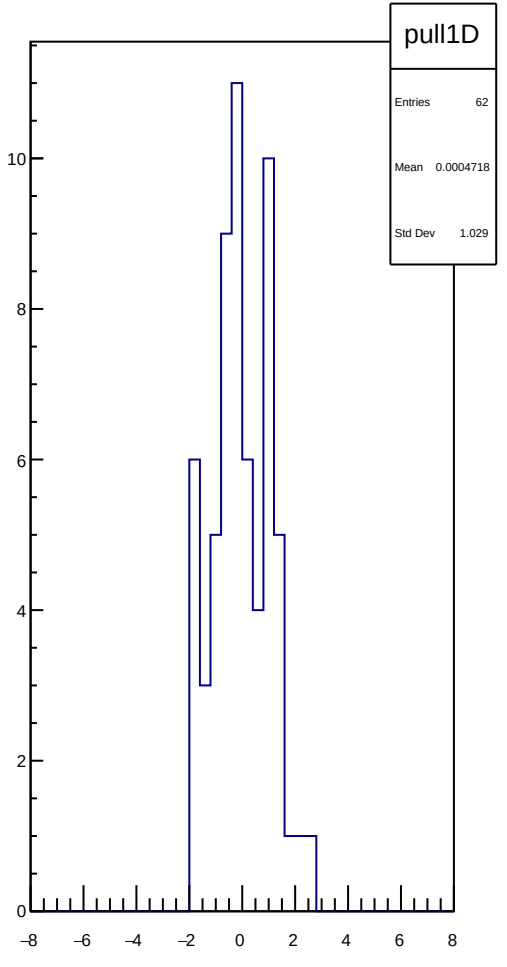

asym_sam3_rms vs run
χ^2 / ndf 2.474e+04 / 61
p0 731.8 ± 0.6783
1100
1000
900
800
700
600

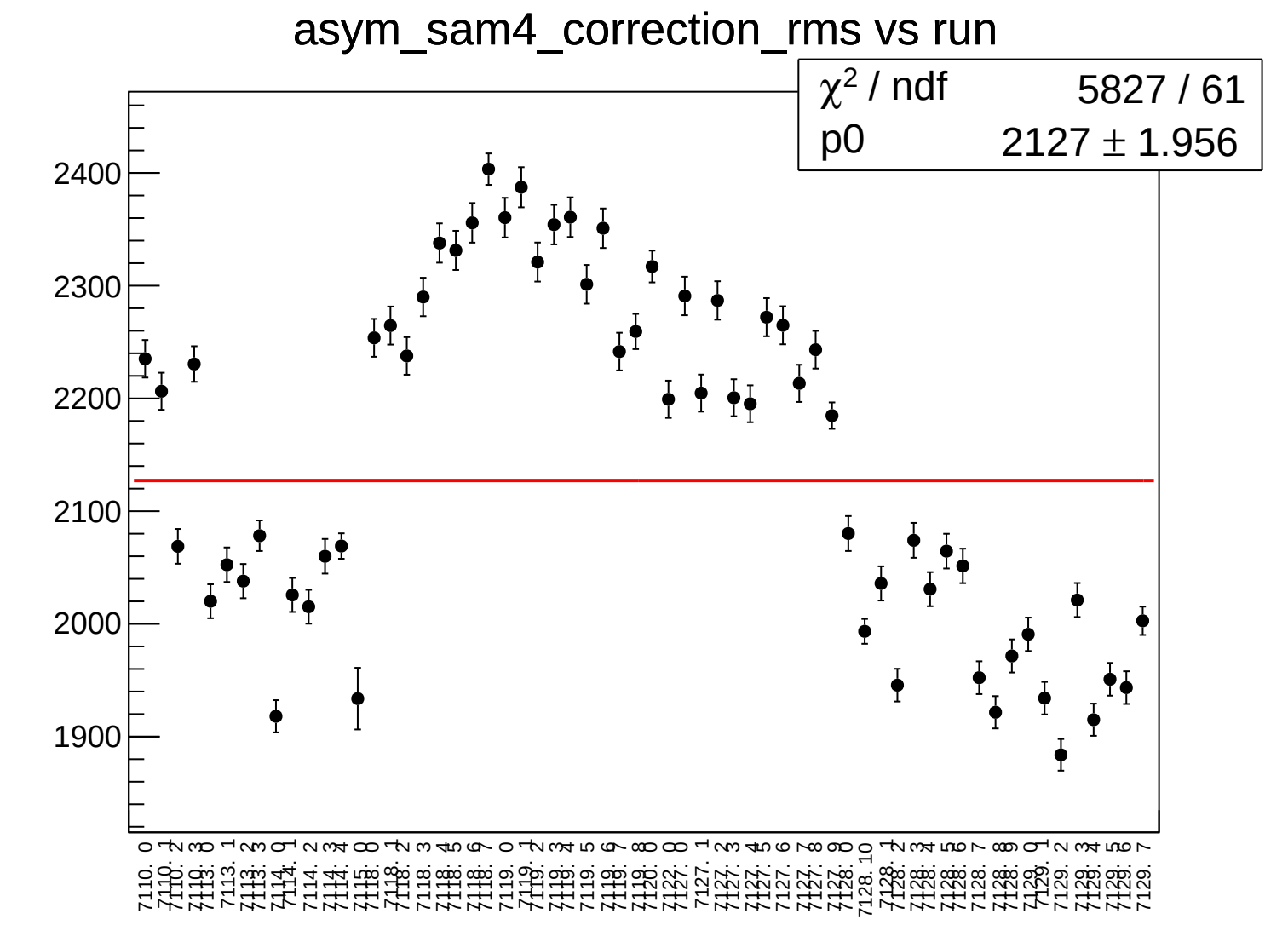

dit_asym_sam4_mean vs run
χ² / ndf 72.85 / 61
p0 229.2 ± 411.1
pull
Entries 62
Mean 140.6
Std Dev 135.5

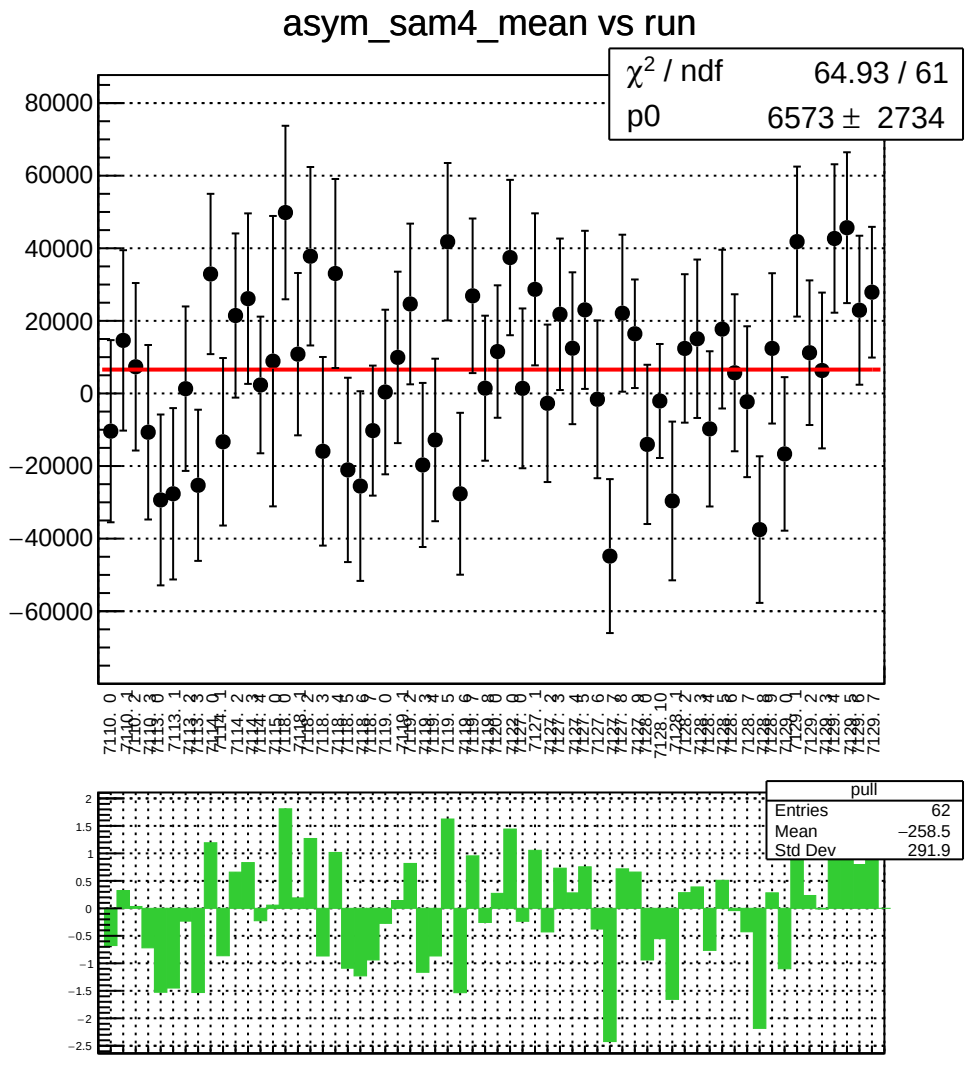

pull1D
Entries 62
Mean −0.01166
Std Dev 1.084

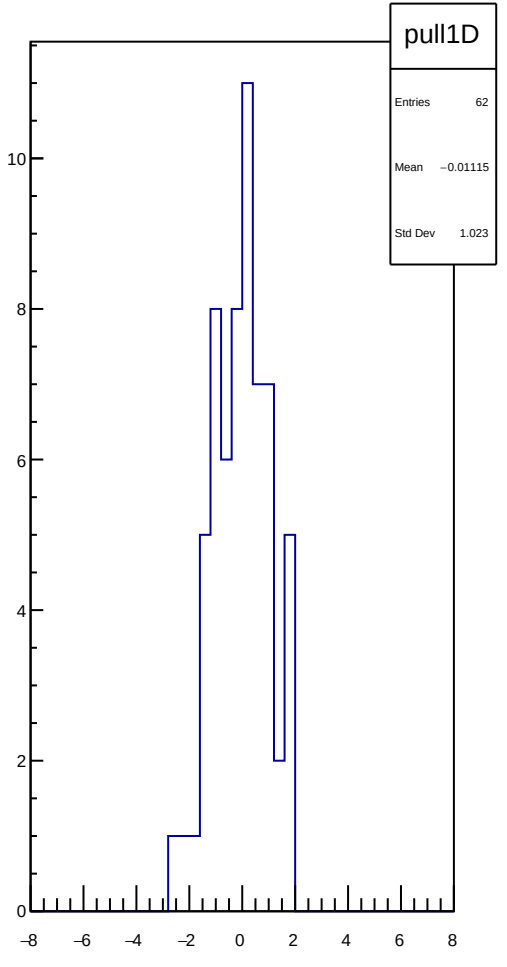

dit_asym_sam4_rms vs run
χ² / ndf 7.59e+04 / 61
p0 306.6 ± 0.2907
700
600
500
400
300
200

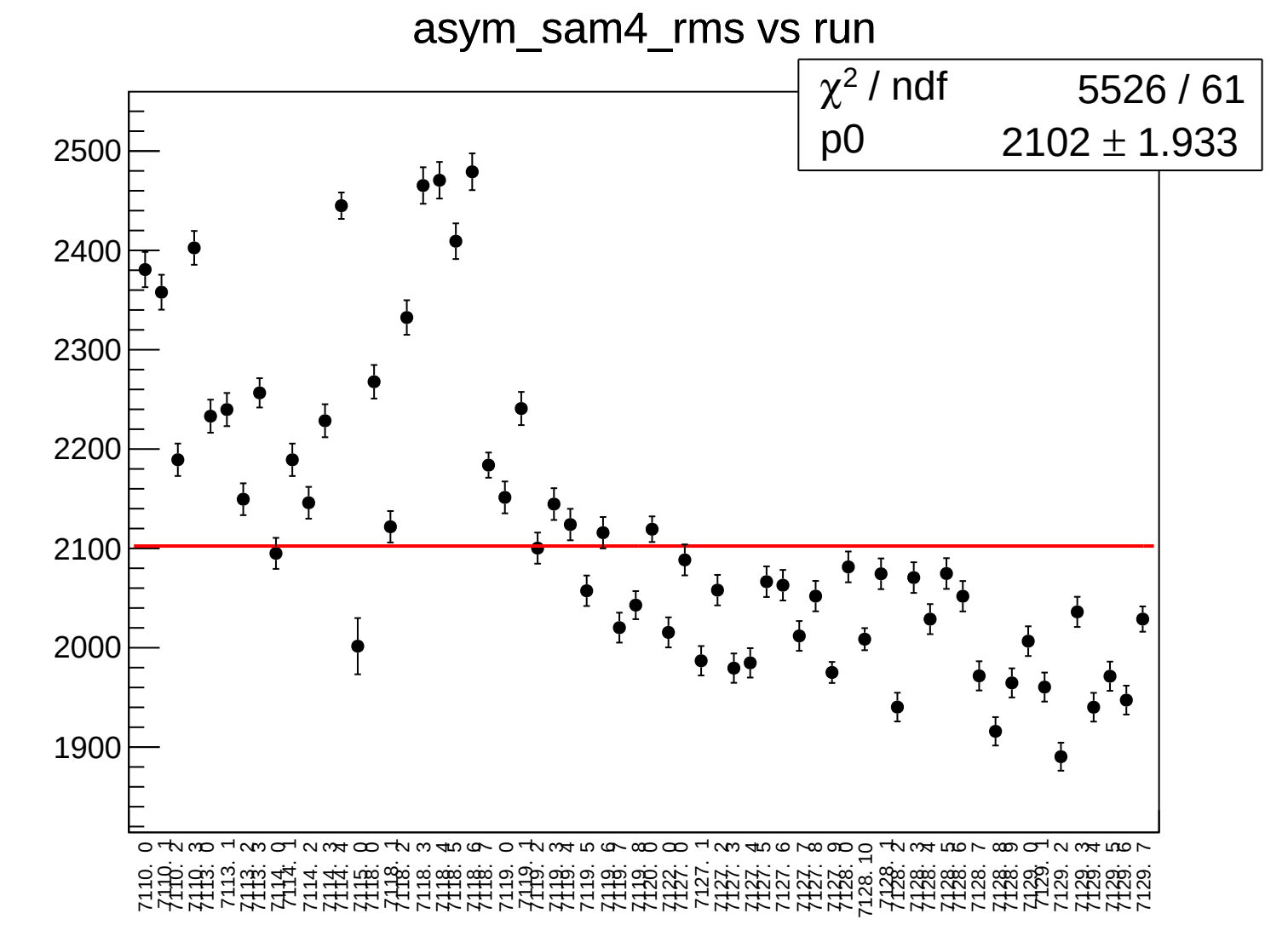

asym_sam4_correction_mean vs run
χ² / ndf 65.6 / 61
p0 −5899 ± 2766
pull
Entries 62
Mean −7729
Std Dev 7761

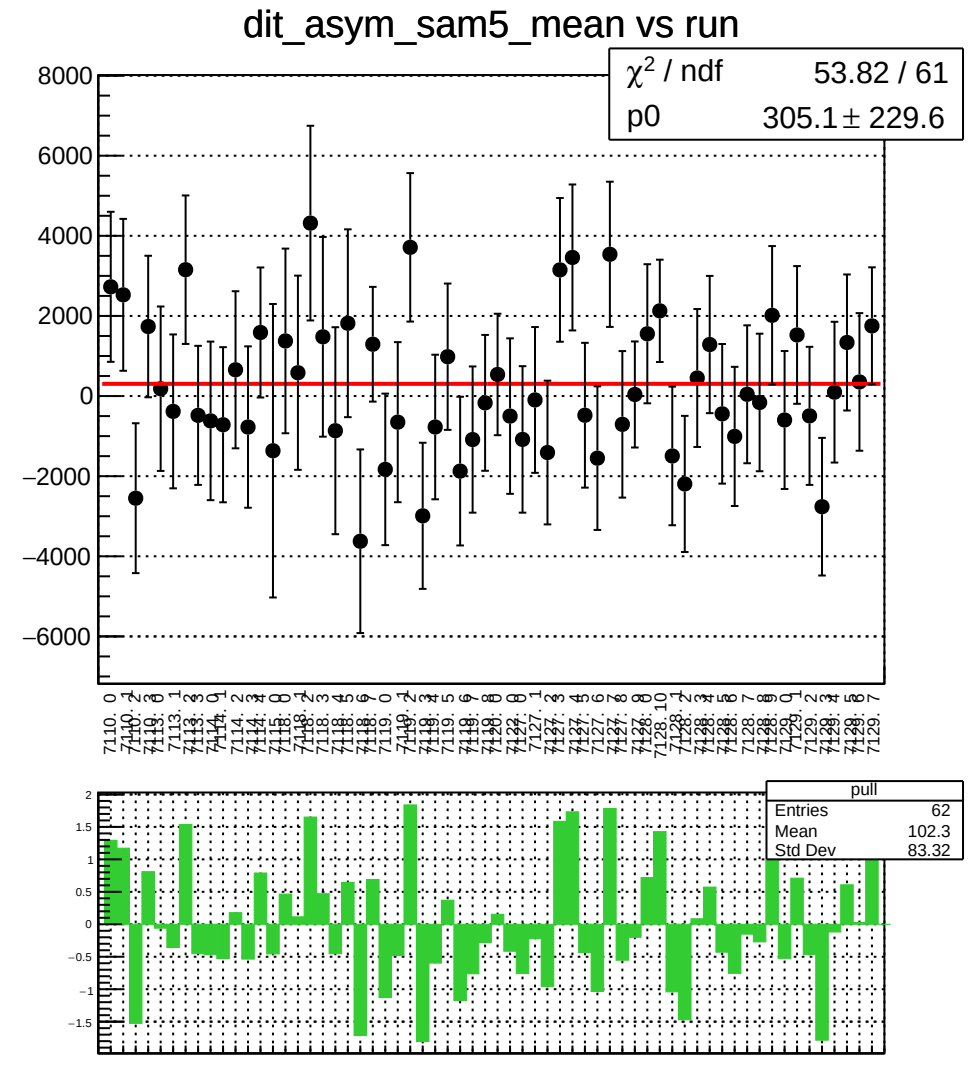

pull1D
Entries 62
Mean 0.0004718
Std Dev 1.029

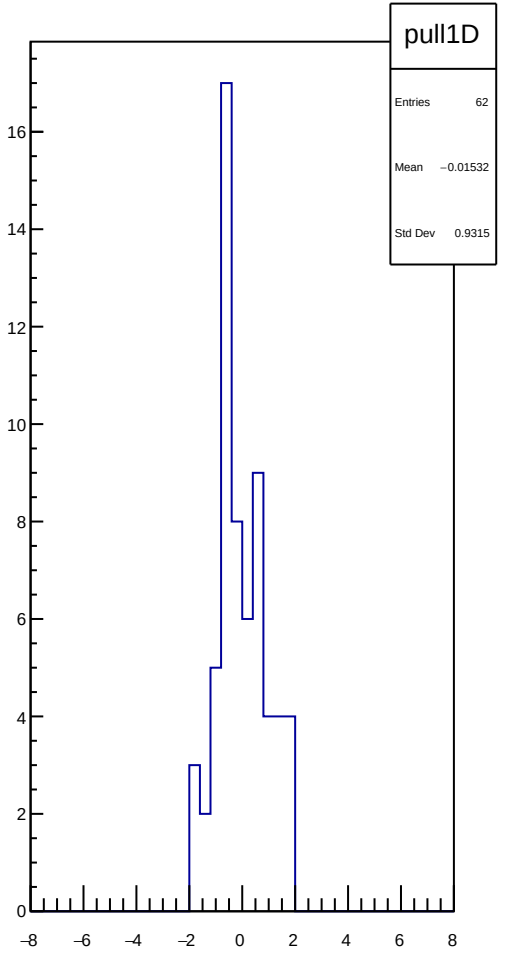

asym_sam4_correction_rms vs run
χ² / ndf 5827 / 61
p0 2127 ± 1.956
2400
2300
2200
2100
2000
1900
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

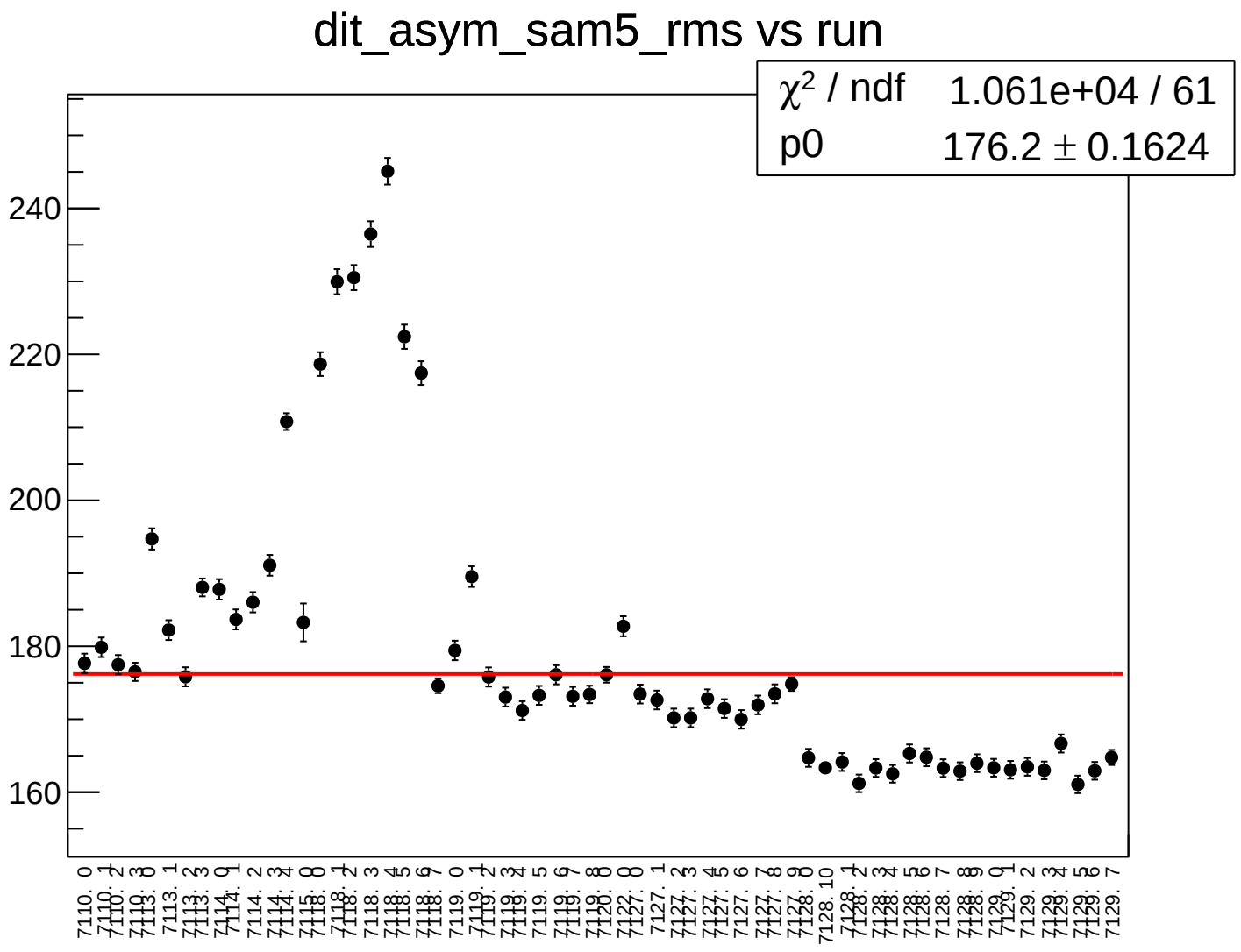

asym_sam4_mean vs run
χ² / ndf 64.93 / 61
p0 6573 ± 2734
pull
Entries 62
Mean −258.5
Std Dev 291.9

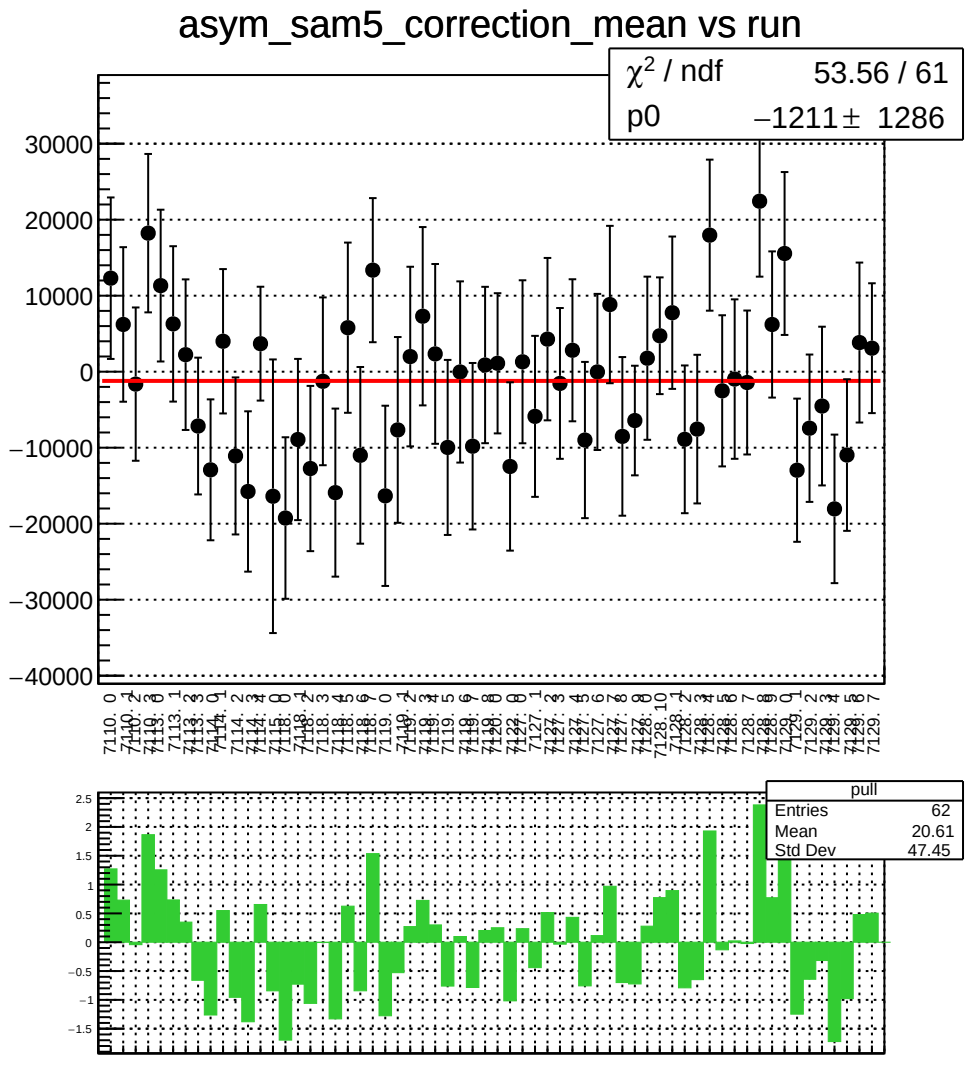

pull1D
Entries 62
Mean −0.01115
Std Dev 1.023

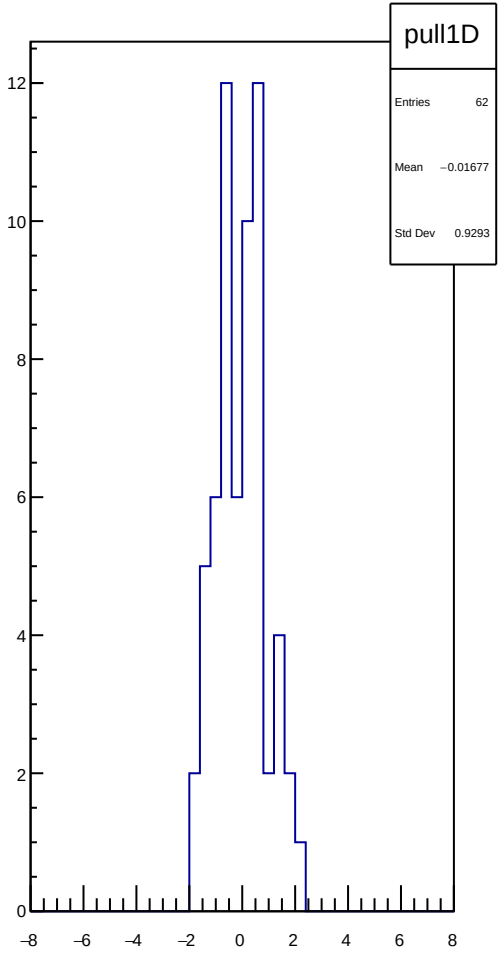

asym_sam4_rms vs run
χ² / ndf 5526 / 61
p0 2102 ± 1.933
2500
2400
2300
2200
2100
2000
1900

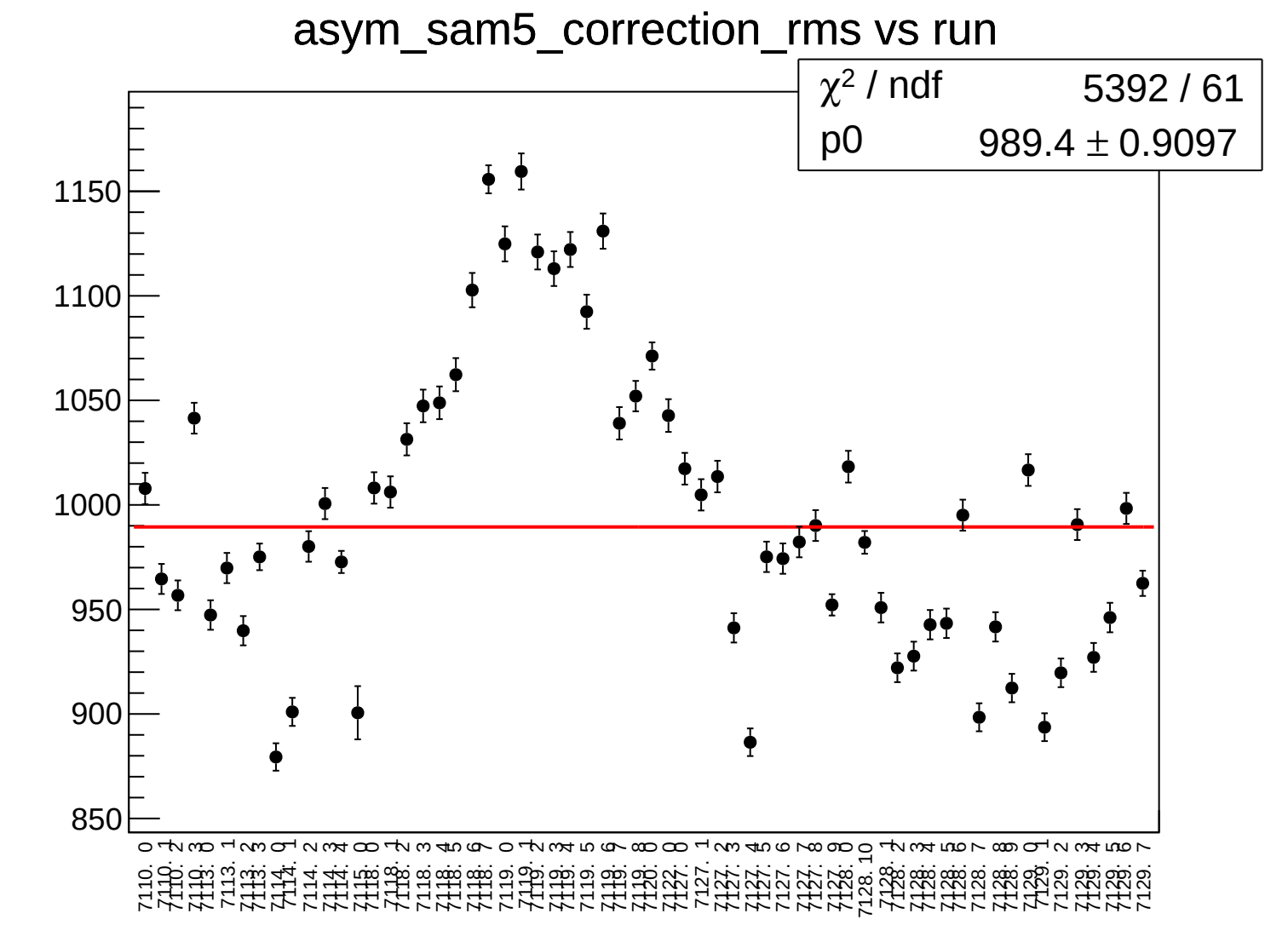

dit_asym_sam5_mean vs run
χ^2 / ndf 53.82 / 61
p0 305.1 ± 229.6
pull
Entries 62
Mean 102.3
Std Dev 83.32

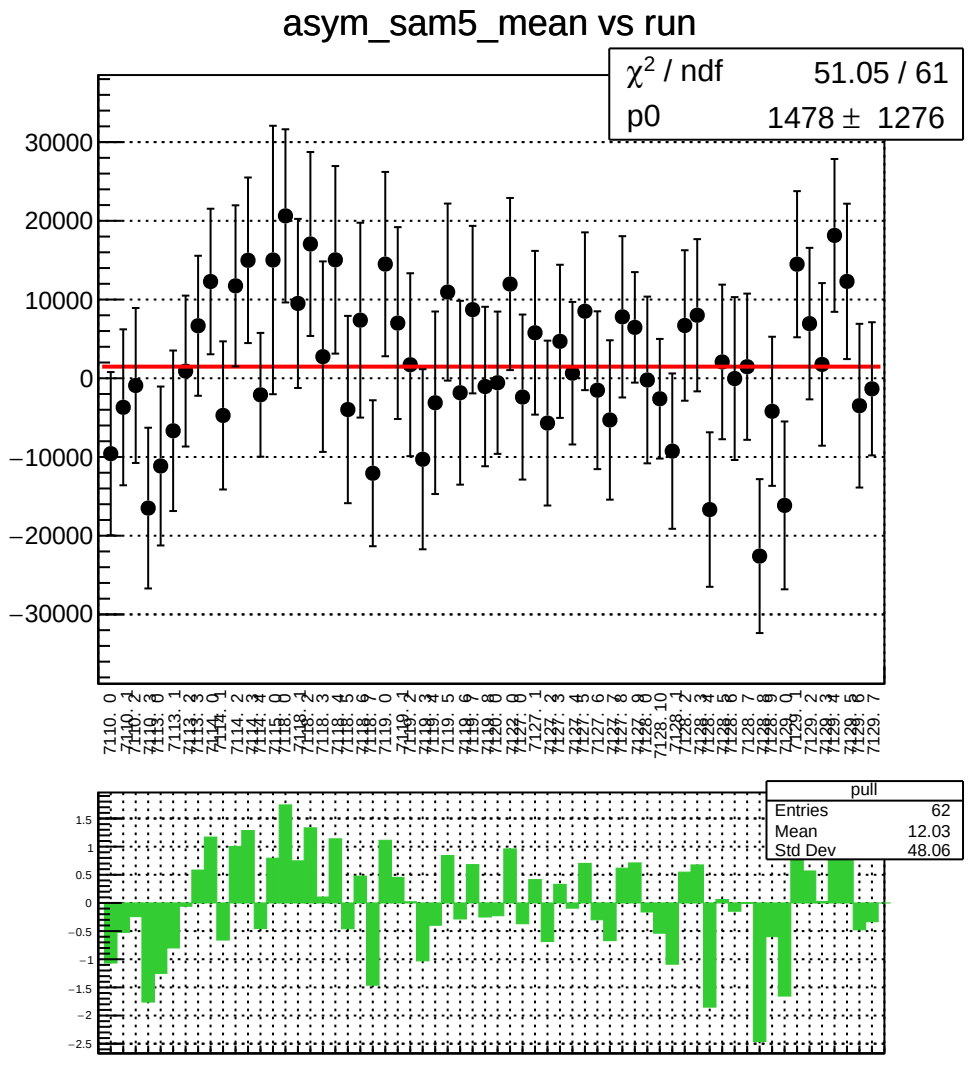

pull1D
Entries 62
Mean −0.01532
Std Dev 0.9315

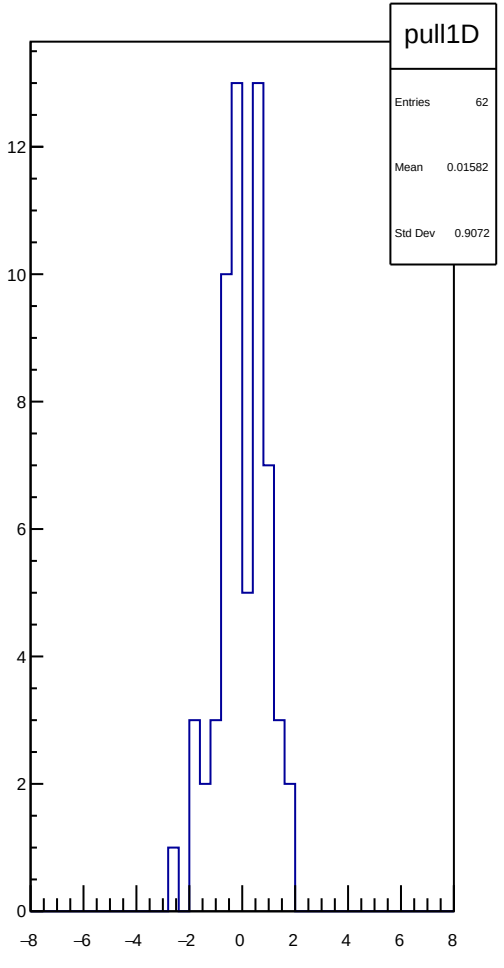

dit_asym_sam5_rms vs run
χ² / ndf 1.061e+04 / 61
p0 176.2 ± 0.1624
240
220
200
180
160
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

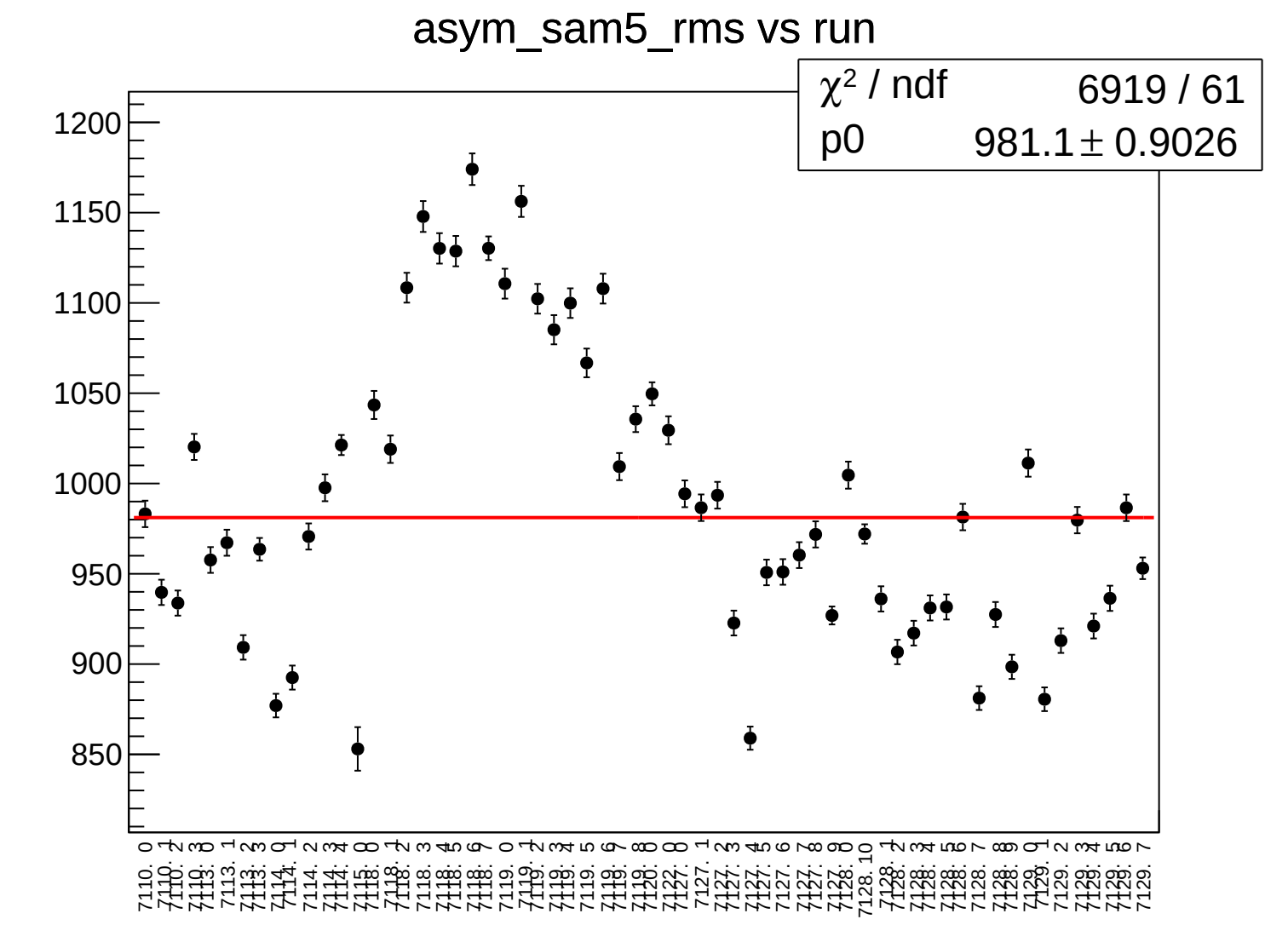

asym_sam5_correction_mean vs run
χ² / ndf 53.56 / 61
p0 −1211 ± 1286
pull
Entries 62
Mean 20.61
Std Dev 47.45

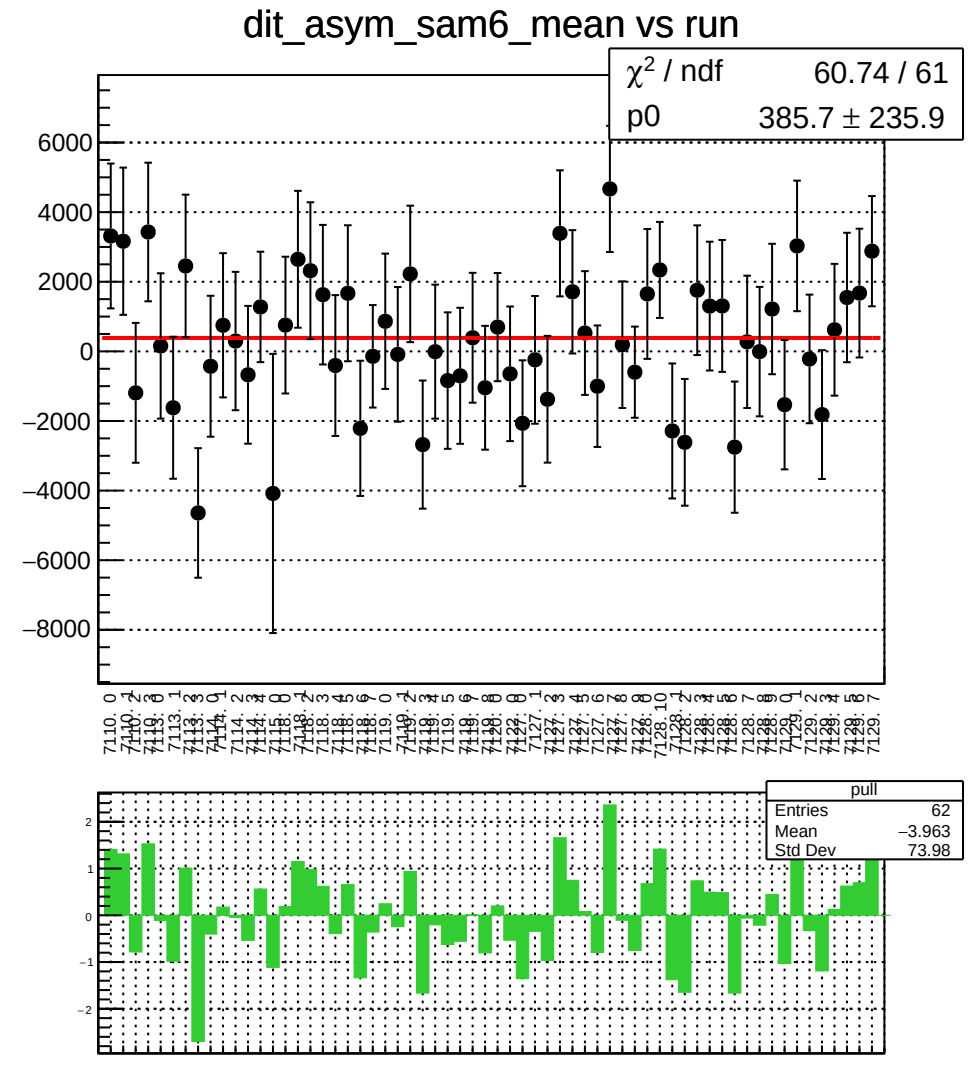

pull1D
Entries 62
Mean −0.01677
Std Dev 0.9293

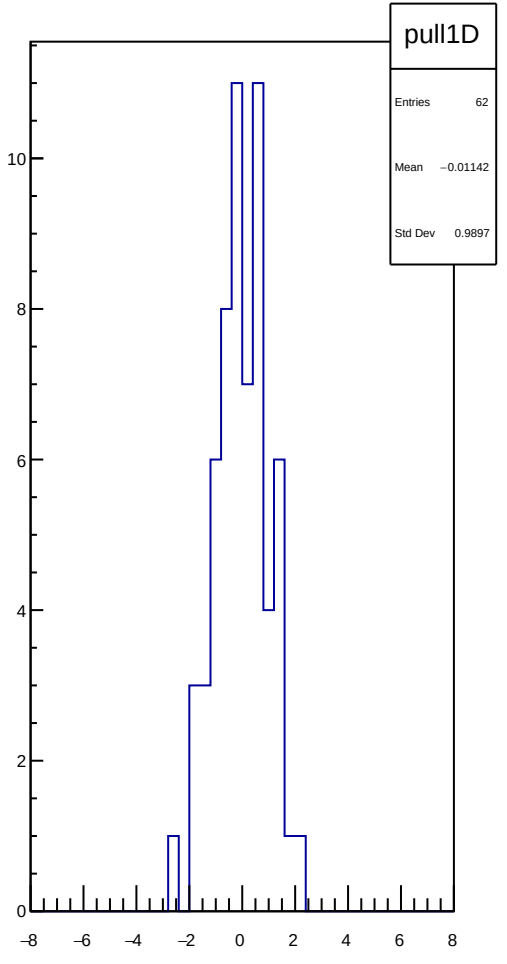

asym_sam5_correction_rms vs run
χ² / ndf 5392 / 61
p0 989.4 ± 0.9097
1150
1100
1050
1000
950
900
850
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 8
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

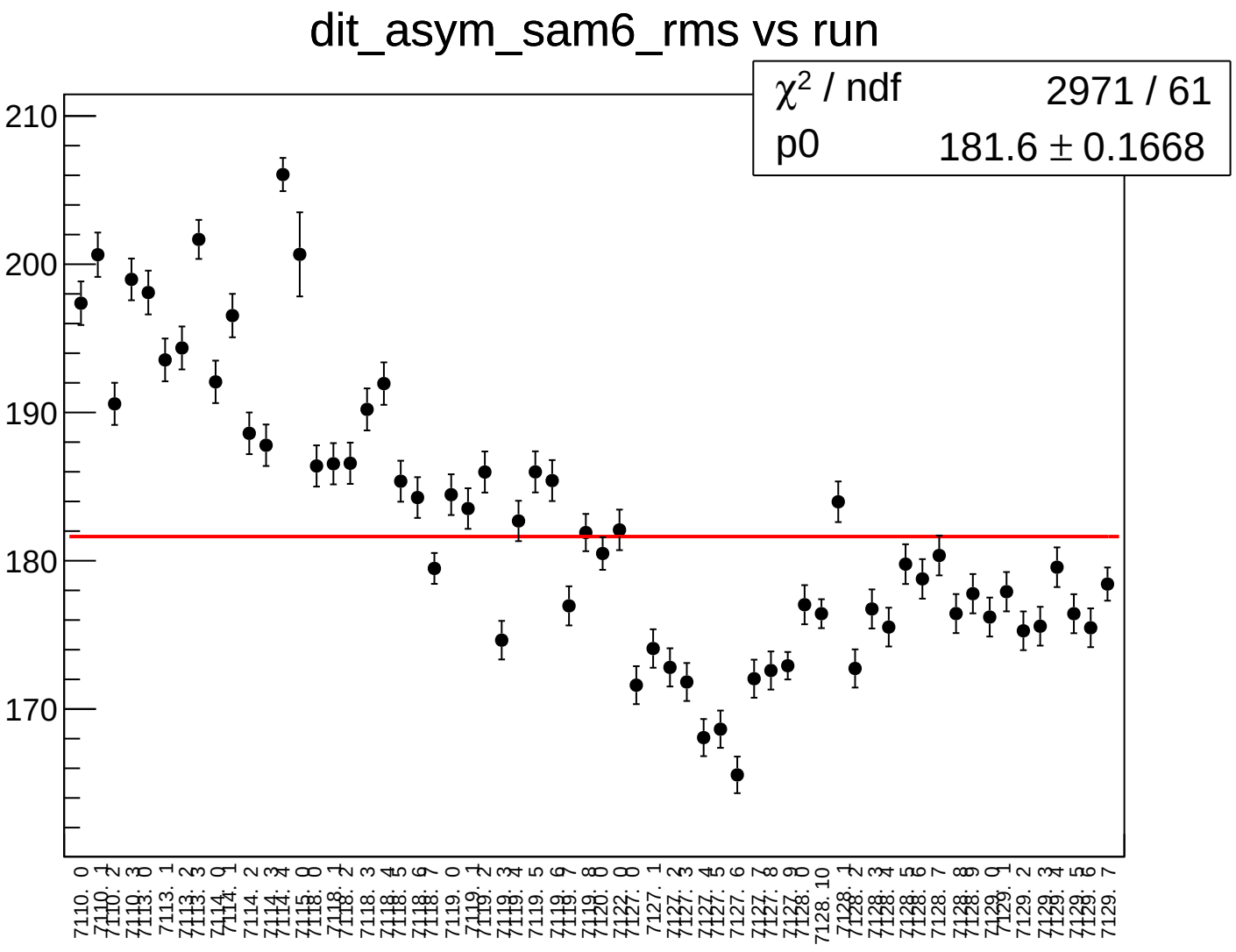

asym_sam5_mean vs run
χ² / ndf 51.05 / 61
p0 1478 ± 1276
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 62
Mean 12.03
Std Dev 48.06
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

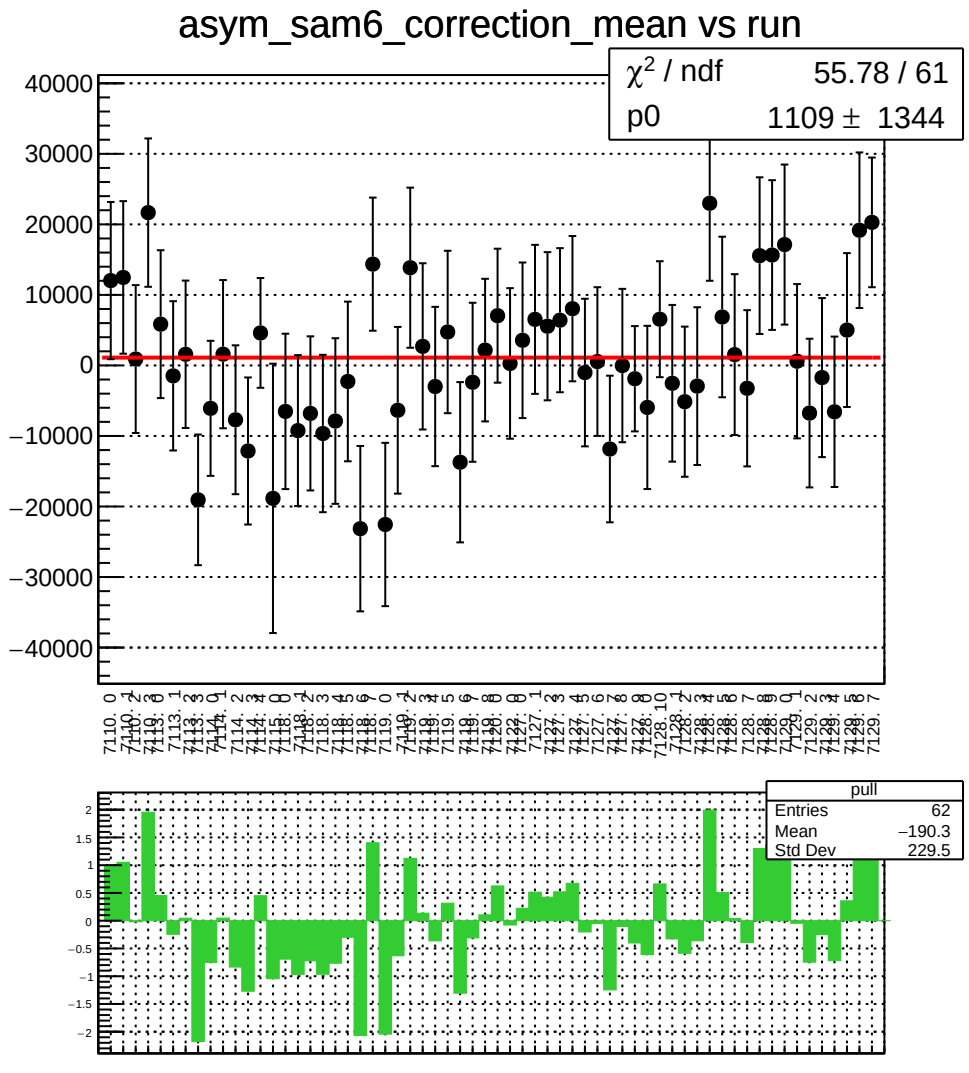

pull1D
Entries 62
Mean 0.01582
Std Dev 0.9072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

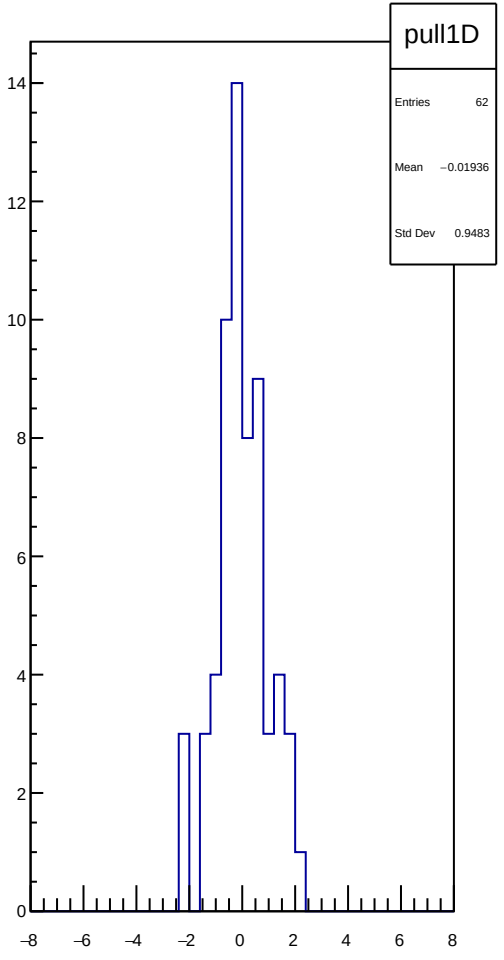

asym_sam5_rms vs run
χ² / ndf 6919 / 61
p0 981.1 ± 0.9026
1200
1150
1100
1050
1000
950
900
850

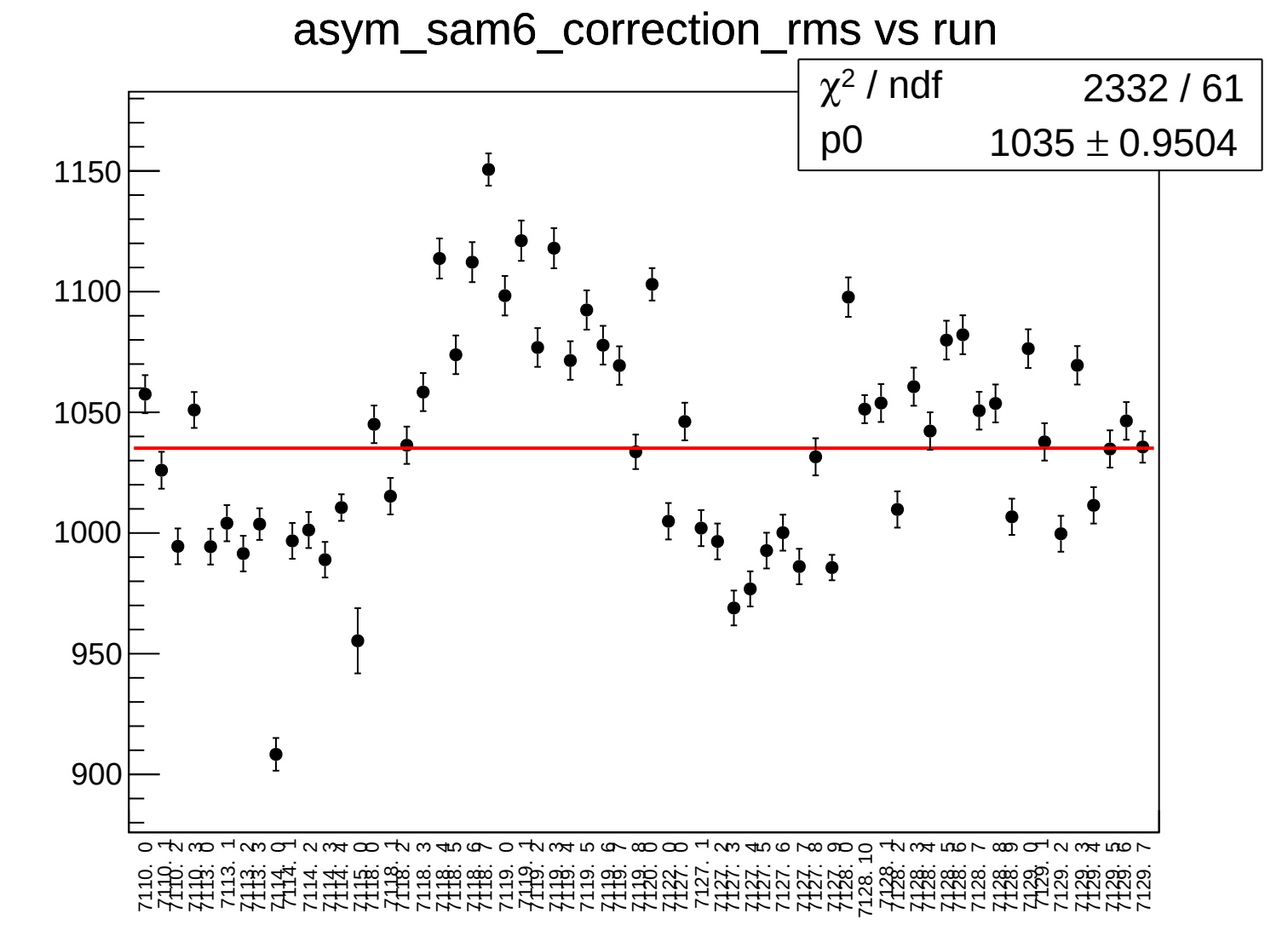

dit_asym_sam6_mean vs run
χ^2 / ndf 60.74 / 61
p0 385.7 ± 235.9
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 62
Mean −3.963
Std Dev 73.98
2
1
0
−1
−2

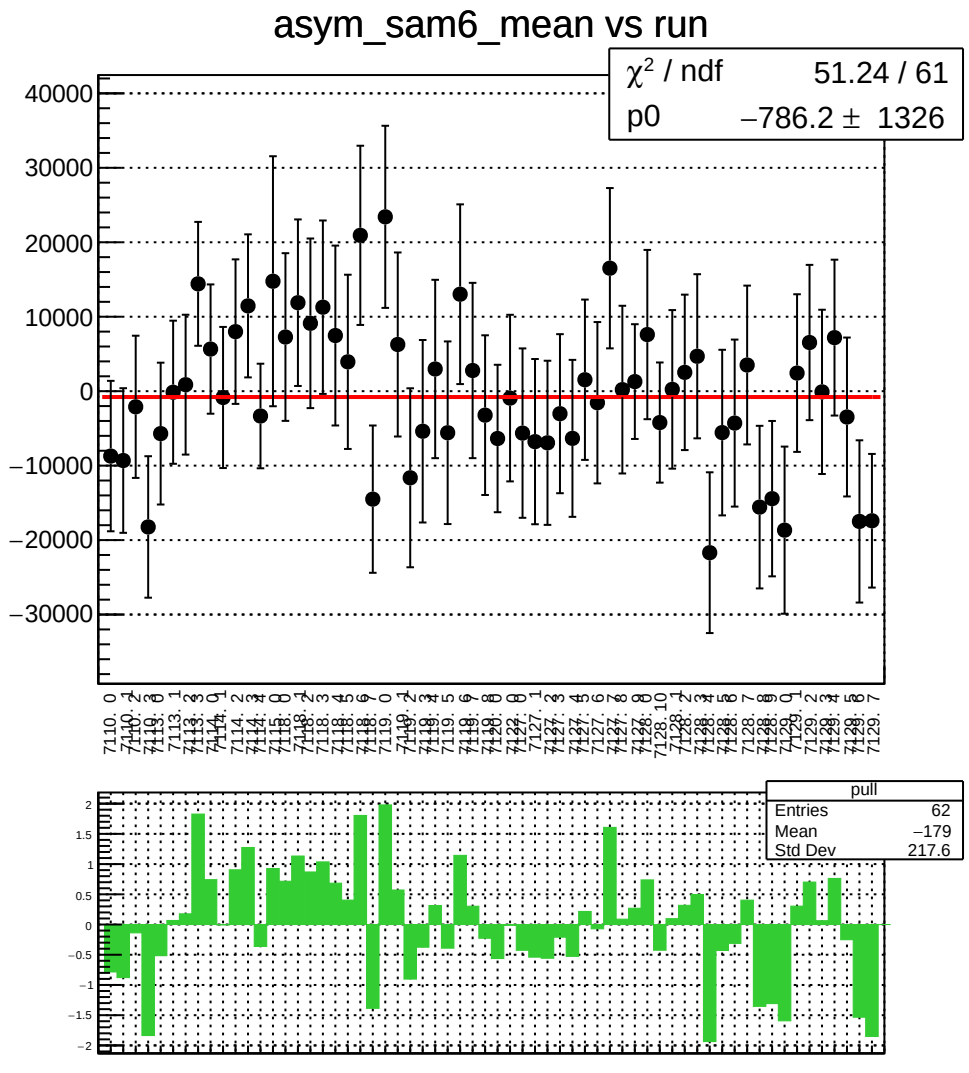

pull1D
Entries 62
Mean −0.01142
Std Dev 0.9897
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

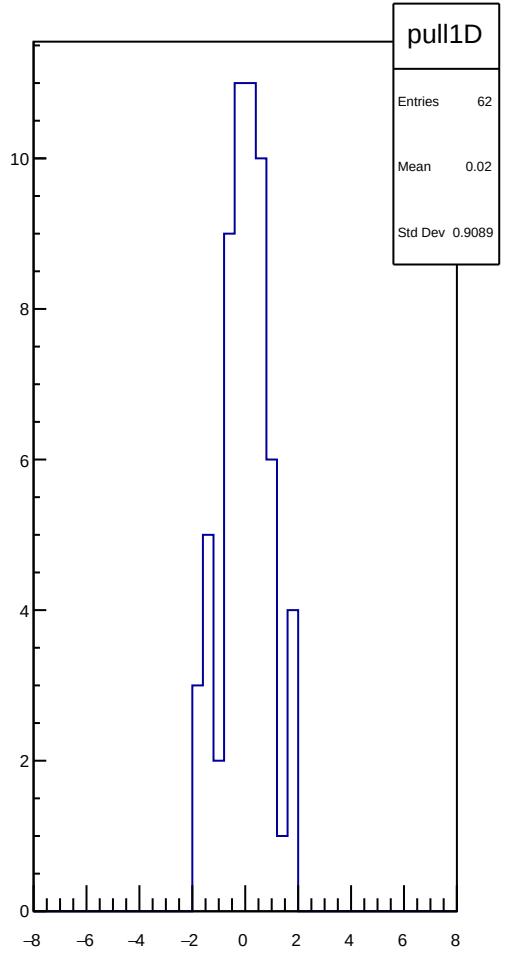

dit_asym_sam6_rms vs run
χ² / ndf 2971 / 61
p0 181.6 ± 0.1668
210
200
190
180
170

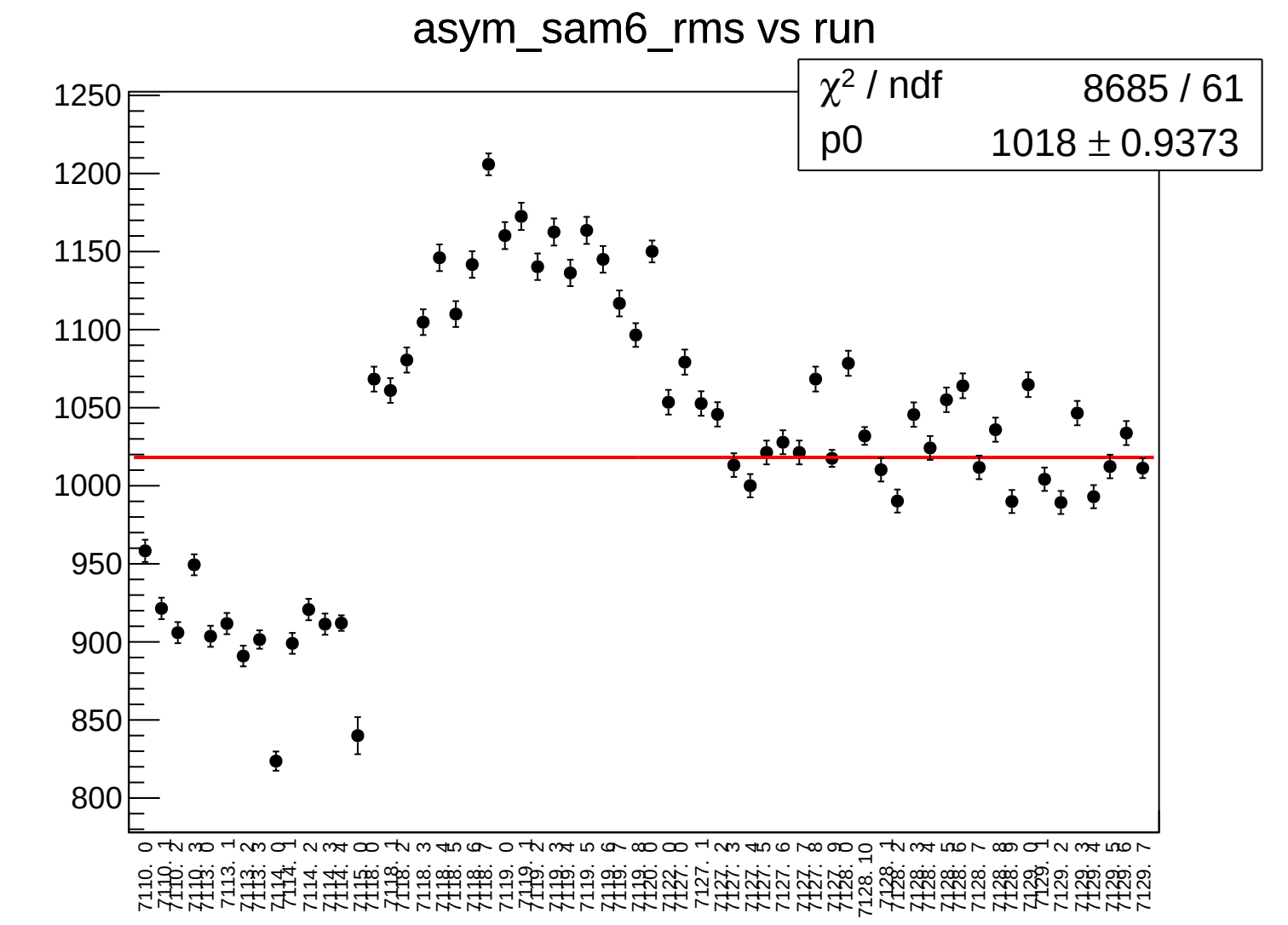

asym_sam6_correction_mean vs run
χ² / ndf 55.78 / 61
p0 1109 ± 1344
pull
Entries 62
Mean −190.3
Std Dev 229.5

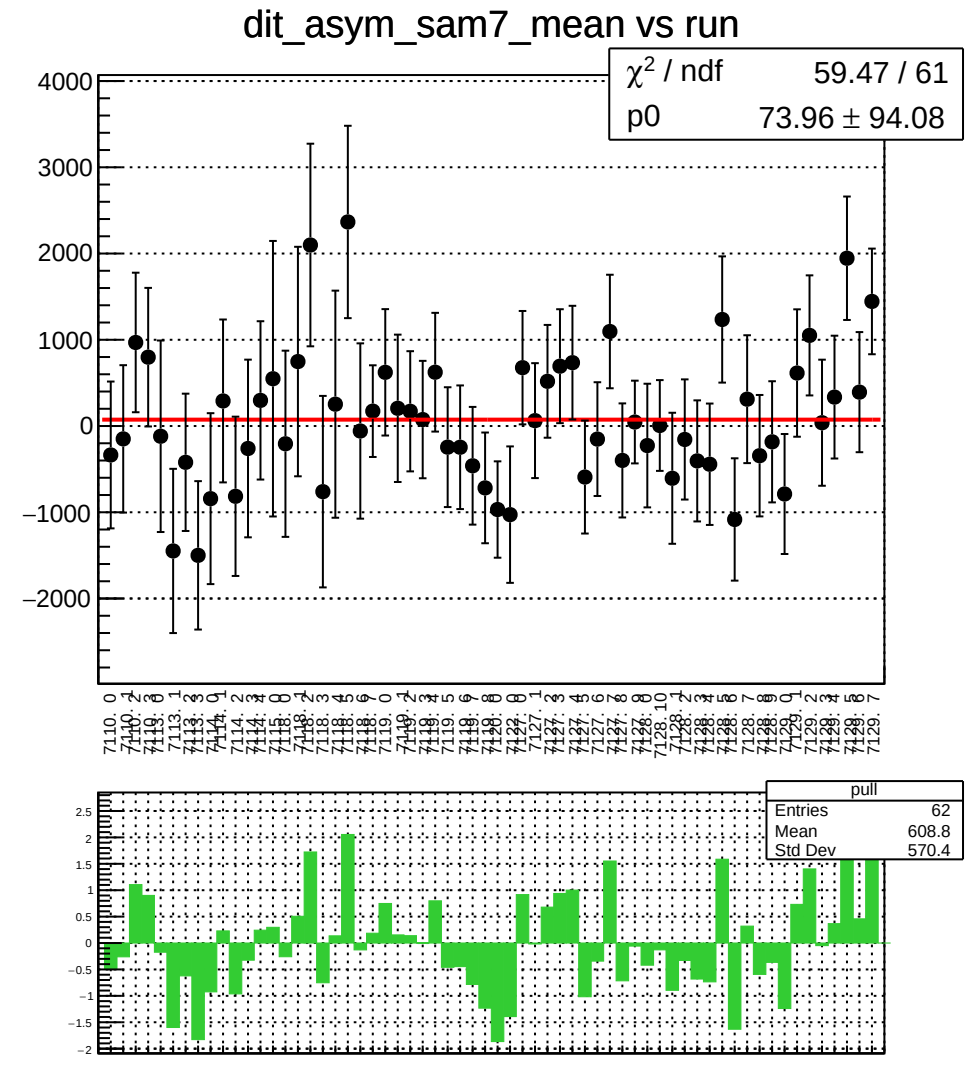

pull1D
Entries 62
Mean −0.01936
Std Dev 0.9483

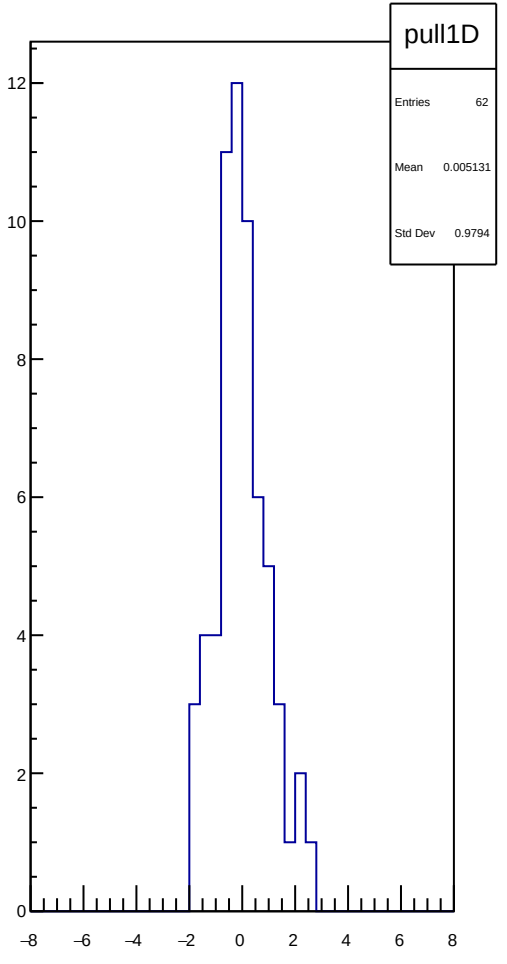

asym_sam6_correction_rms vs run
χ² / ndf 2332 / 61
p0 1035 ± 0.9504
1150
1100
1050
1000
950
900

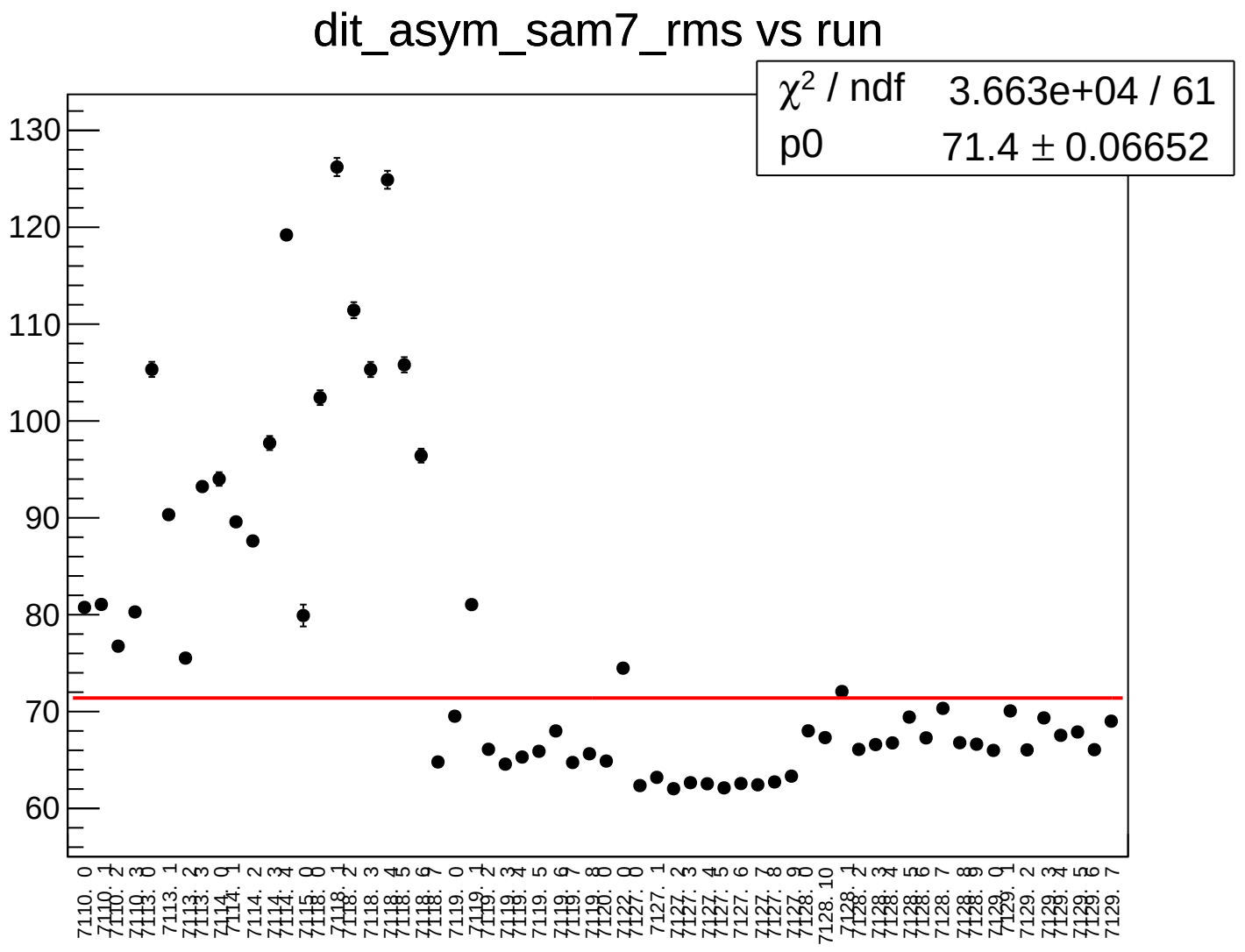

asym_sam6_mean vs run
χ² / ndf 51.24 / 61
p0 −786.2 ± 1326
pull
Entries 62
Mean −179
Std Dev 217.6

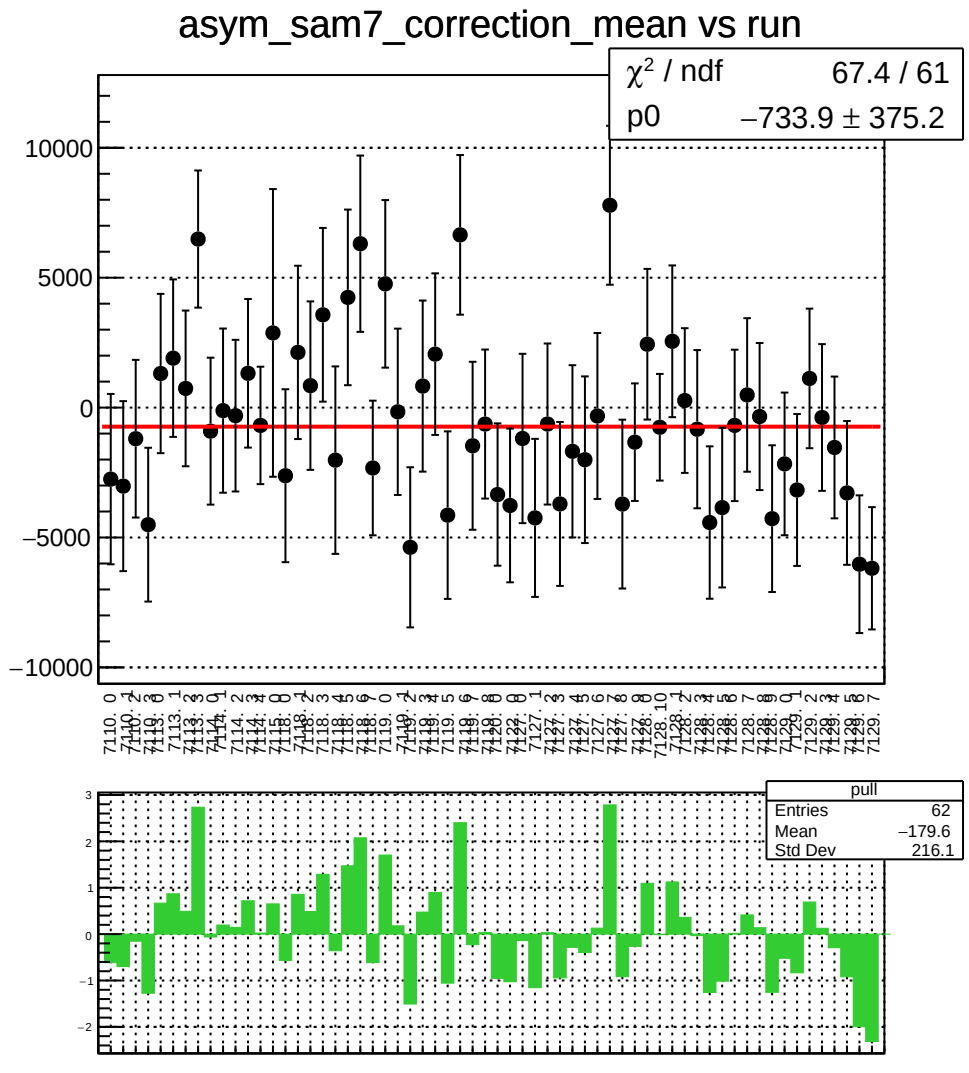

pull1D
Entries 62
Mean 0.02
Std Dev 0.9089

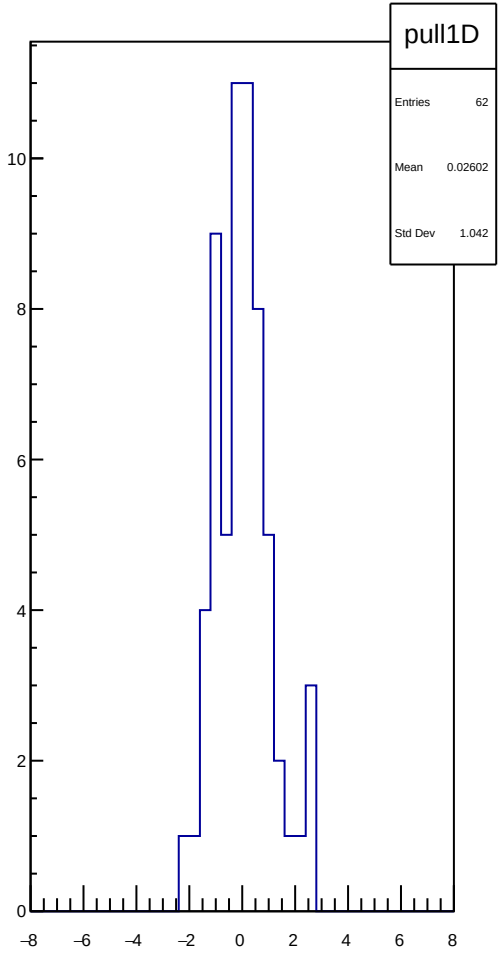

asym_sam6_rms vs run
χ² / ndf 8685 / 61
p0 1018 ± 0.9373
1250
1200
1150
1100
1050
1000
950
900
850
800
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

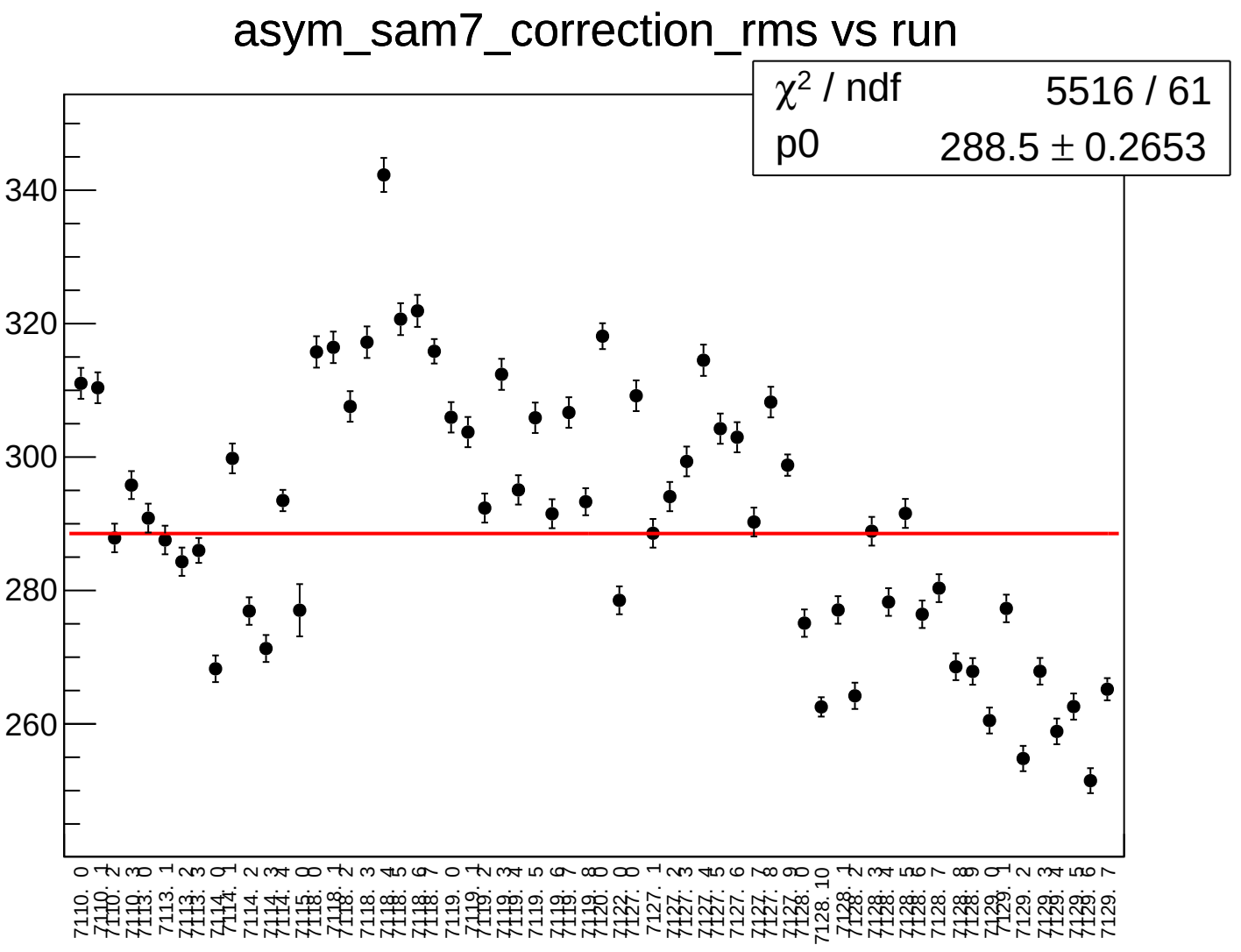

dit_asym_sam7_mean vs run
χ² / ndf 59.47 / 61
p0 73.96 ± 94.08
pull
Entries 62
Mean 608.8
Std Dev 570.4

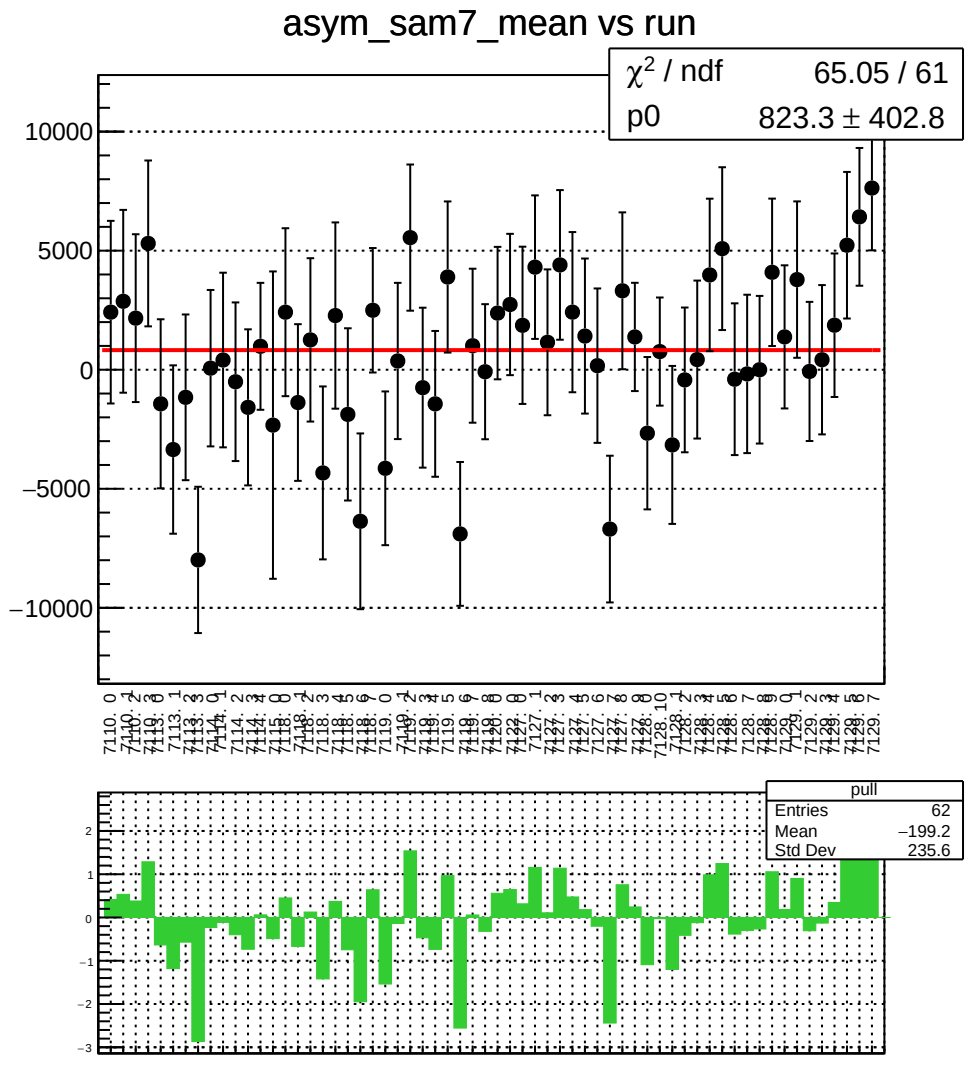

pull1D
Entries 62
Mean 0.005131
Std Dev 0.9794

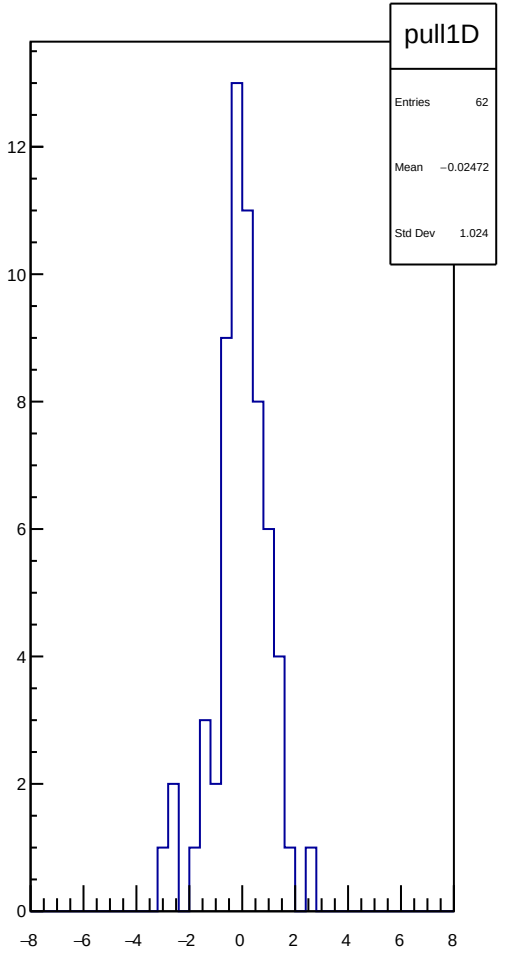

dit_asym_sam7_rms vs run
χ² / ndf 3.663e+04 / 61
p0 71.4 ± 0.06652
130
120
110
100
90
80
70
60

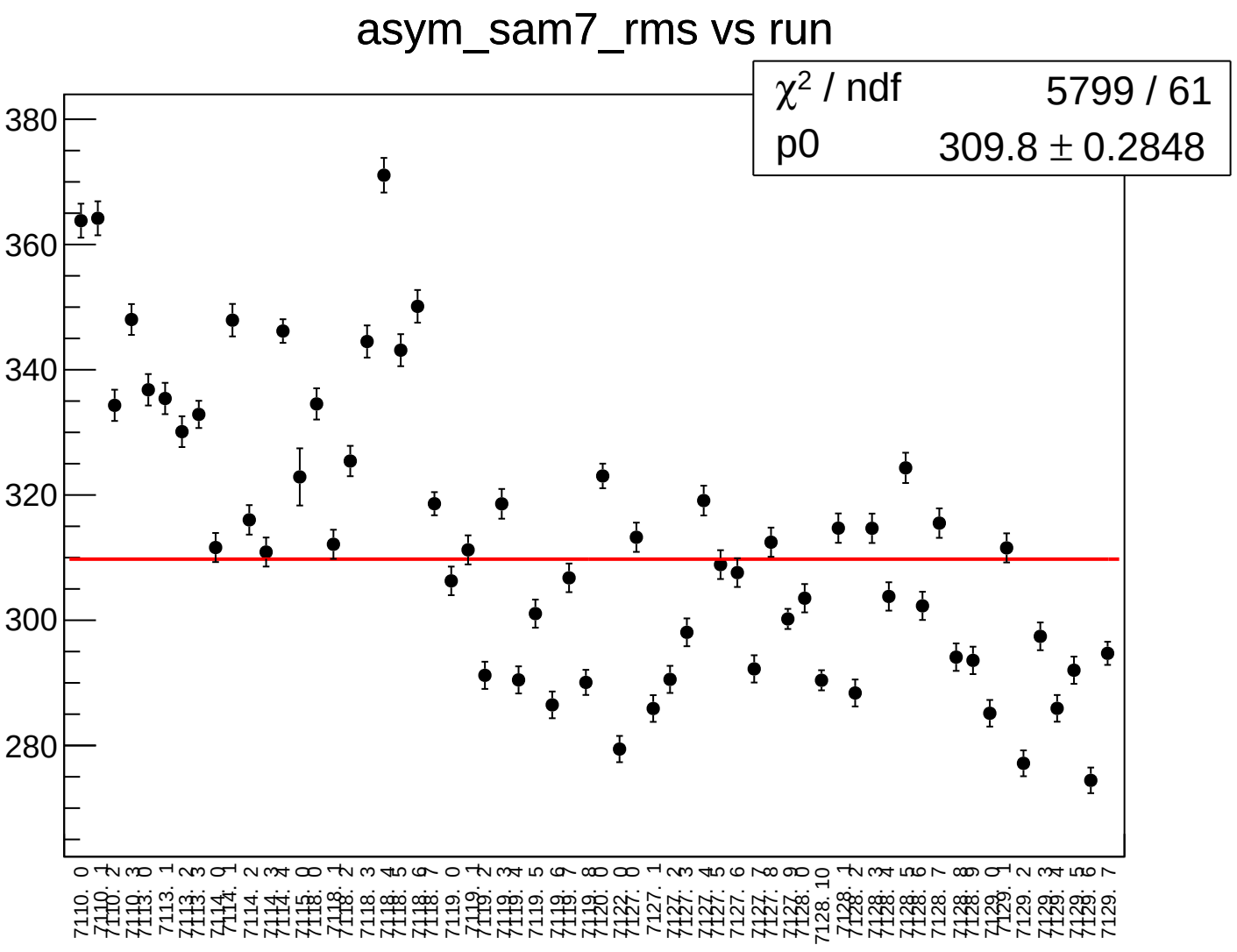

asym_sam7_correction_mean vs run
χ² / ndf 67.4 / 61
p0 −733.9 ± 375.2
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −179.6
Std Dev 216.1
3
2
1
0
−1
−2

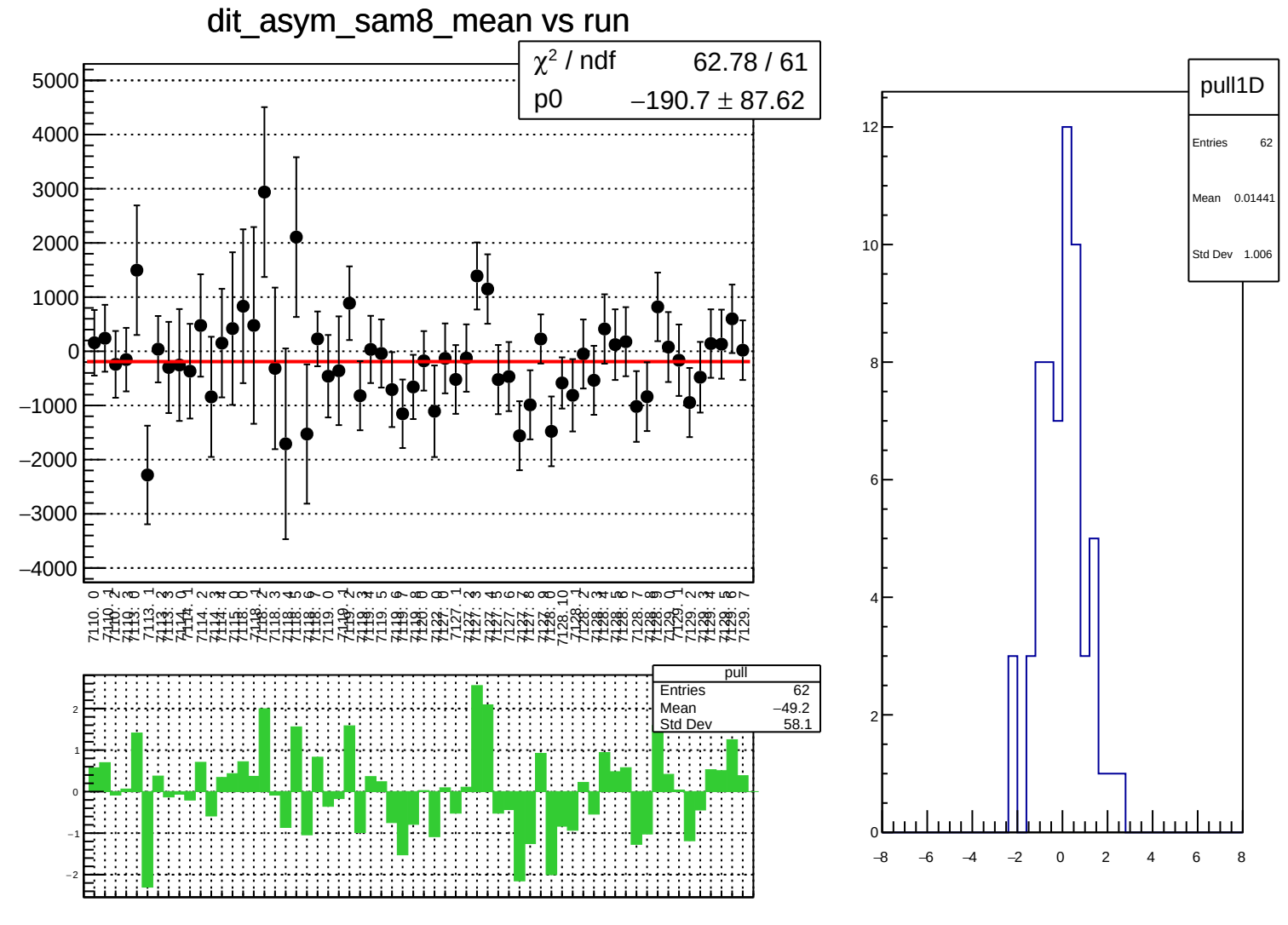

pull1D
Entries 62
Mean 0.02602
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

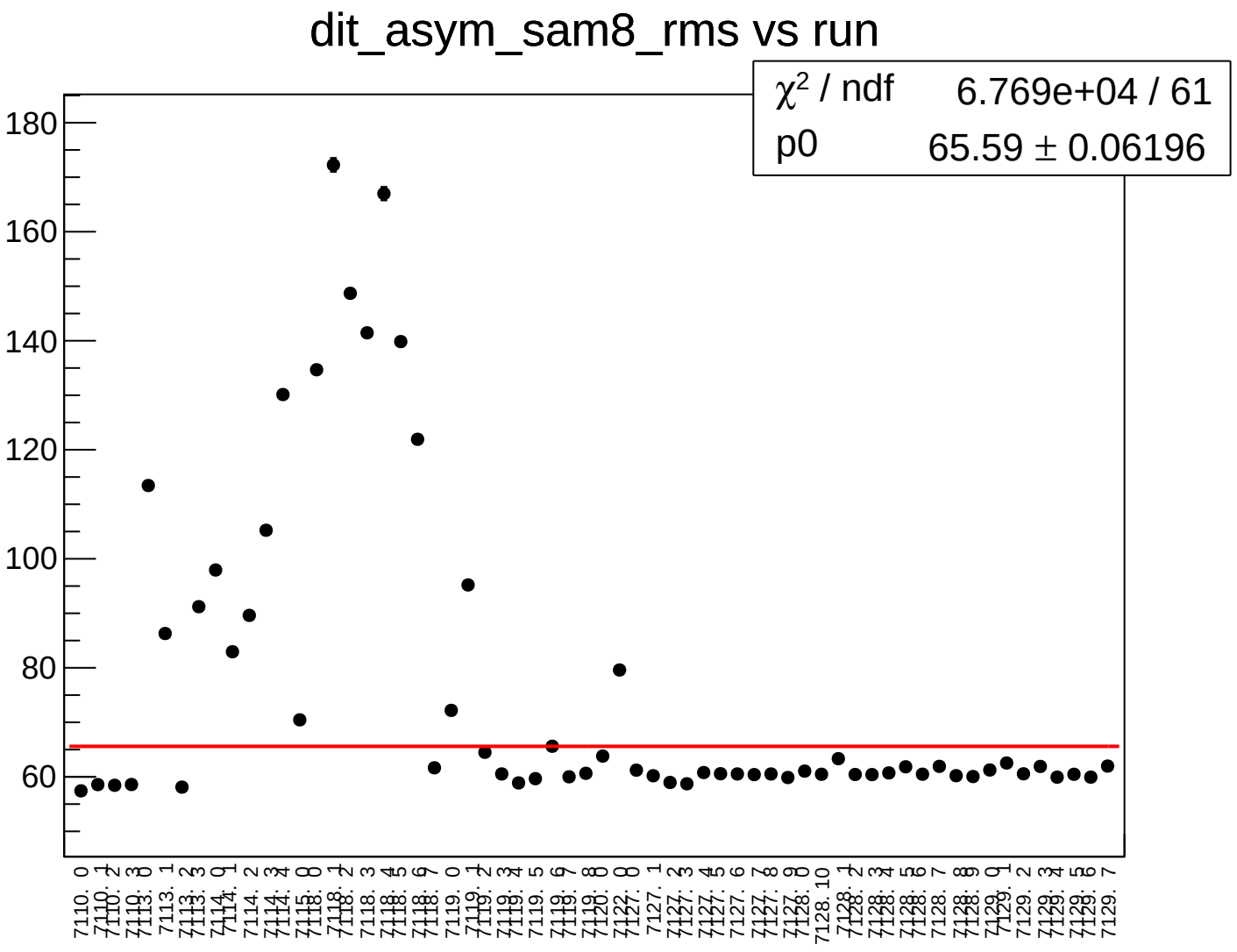

asym_sam7_correction_rms vs run
χ² / ndf 5516 / 61
p0 288.5 ± 0.2653
340
320
300
280
260
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

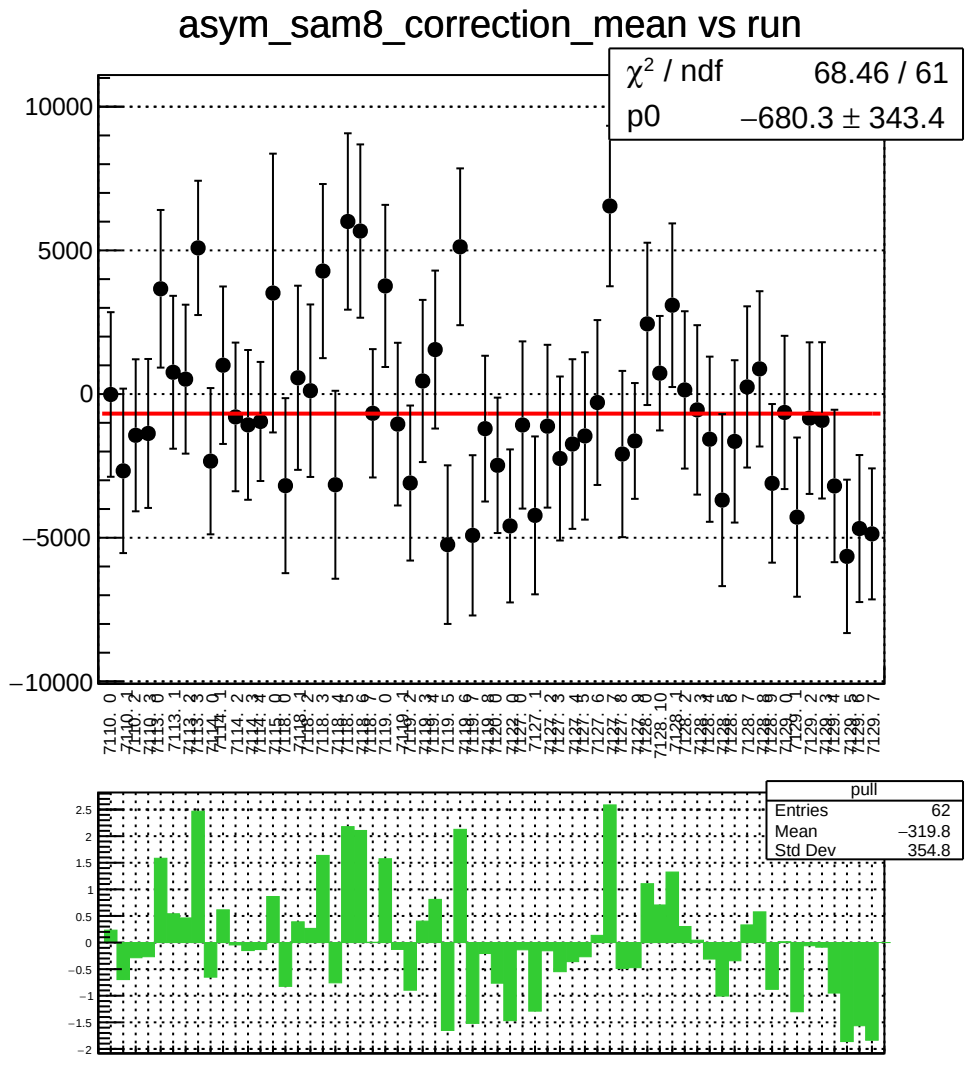

asym_sam7_mean vs run
χ² / ndf 65.05 / 61
p0 823.3 ± 402.8
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −199.2
Std Dev 235.6
2
1
0
−1
−2
−3

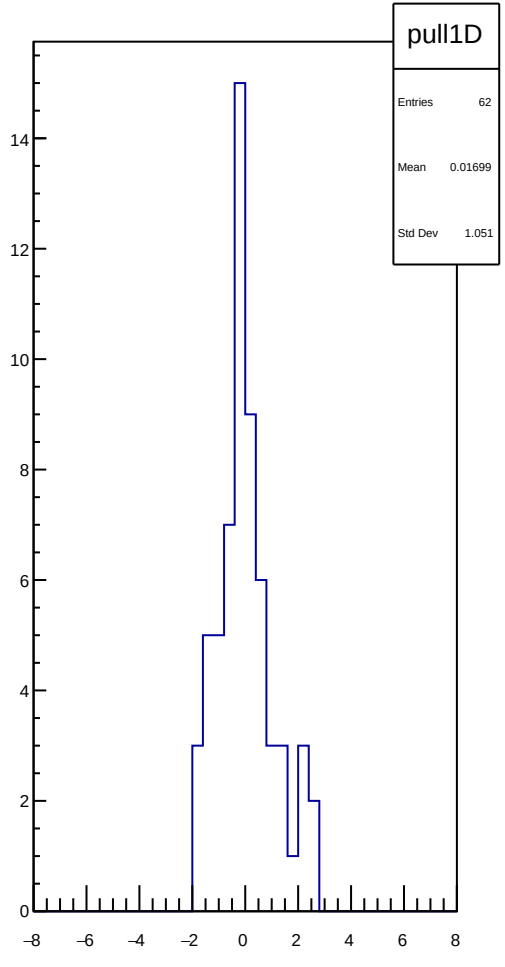

pull1D
Entries 62
Mean −0.02472
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

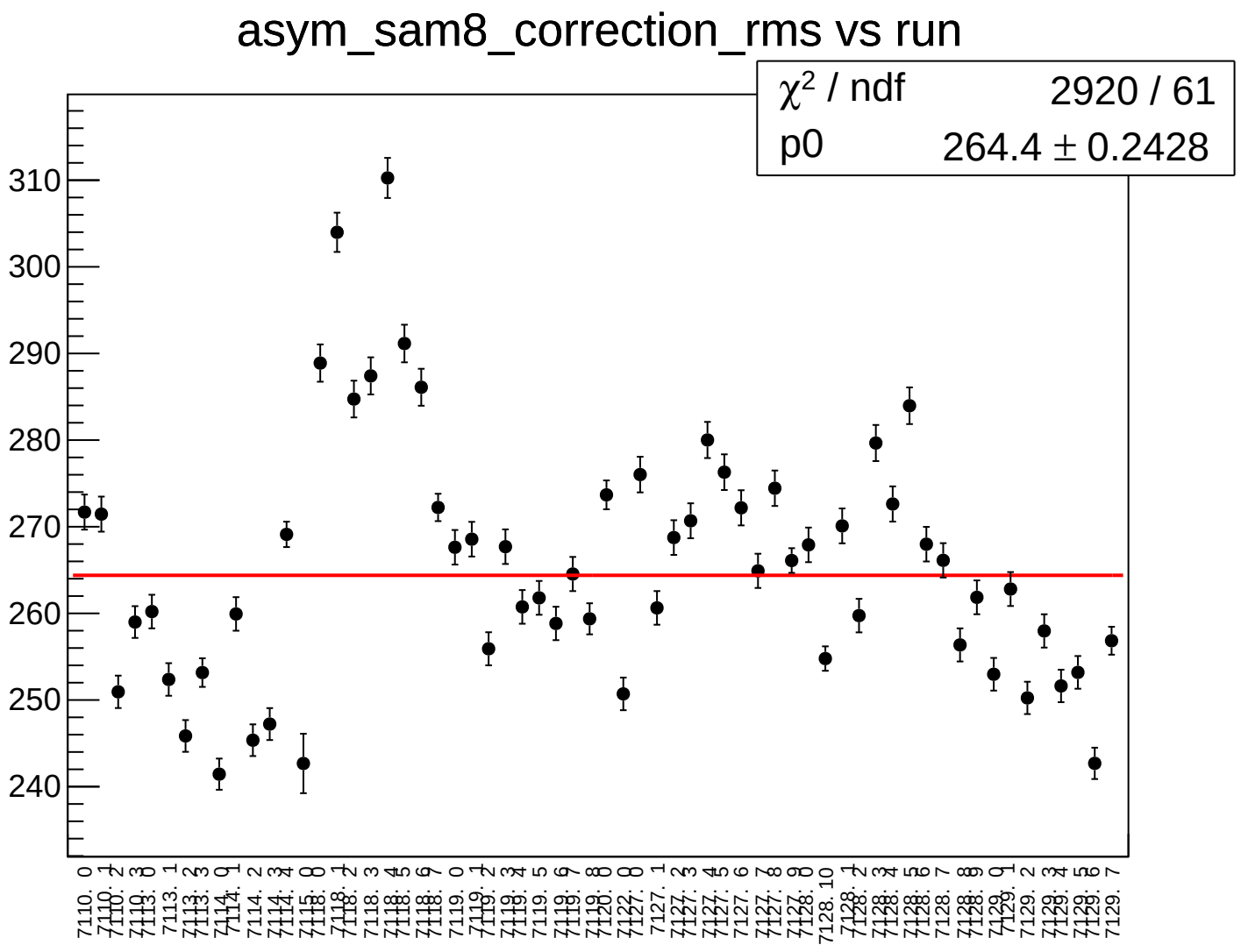

asym_sam7_rms vs run
χ^2 / ndf 5799 / 61
p0 309.8 ± 0.2848
380
360
340
320
300
280
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

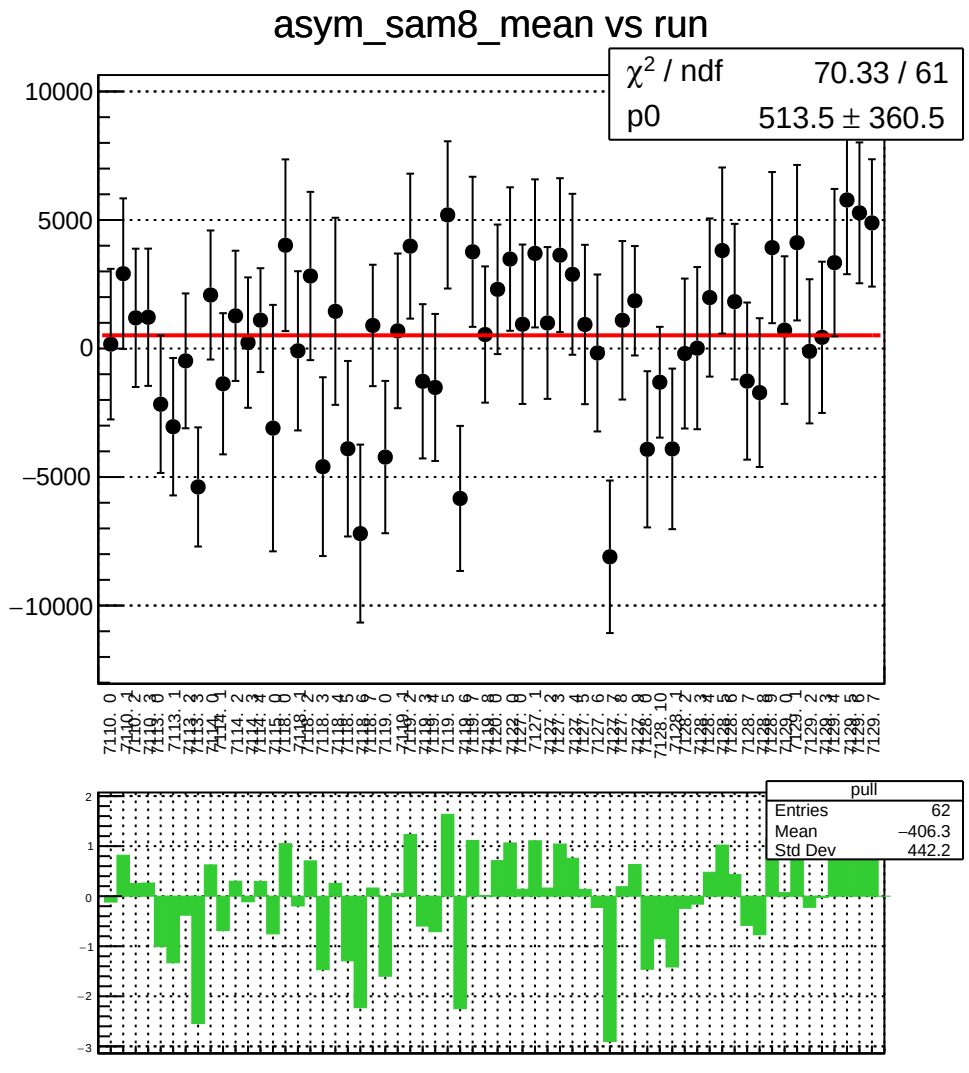

dit_asym_sam8_mean vs run
χ² / ndf 62.78 / 61
p0 −190.7 ± 87.62
pull
Entries 62
Mean −49.2
Std Dev 58.1
pull1D
Entries 62
Mean 0.01441
Std Dev 1.006

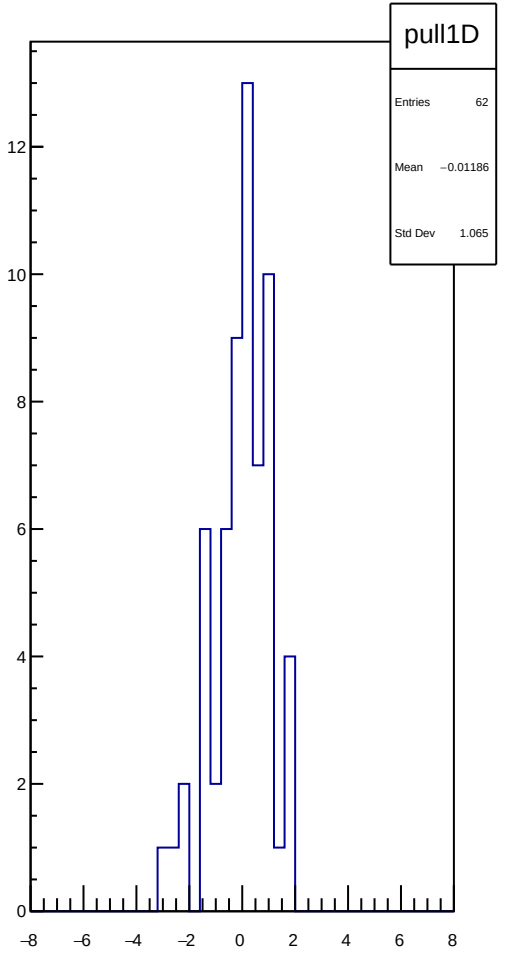

dit_asym_sam8_rms vs run
χ^2 / ndf 6.769e+04 / 61
p0 65.59 ± 0.06196
180
160
140
120
100
80
60

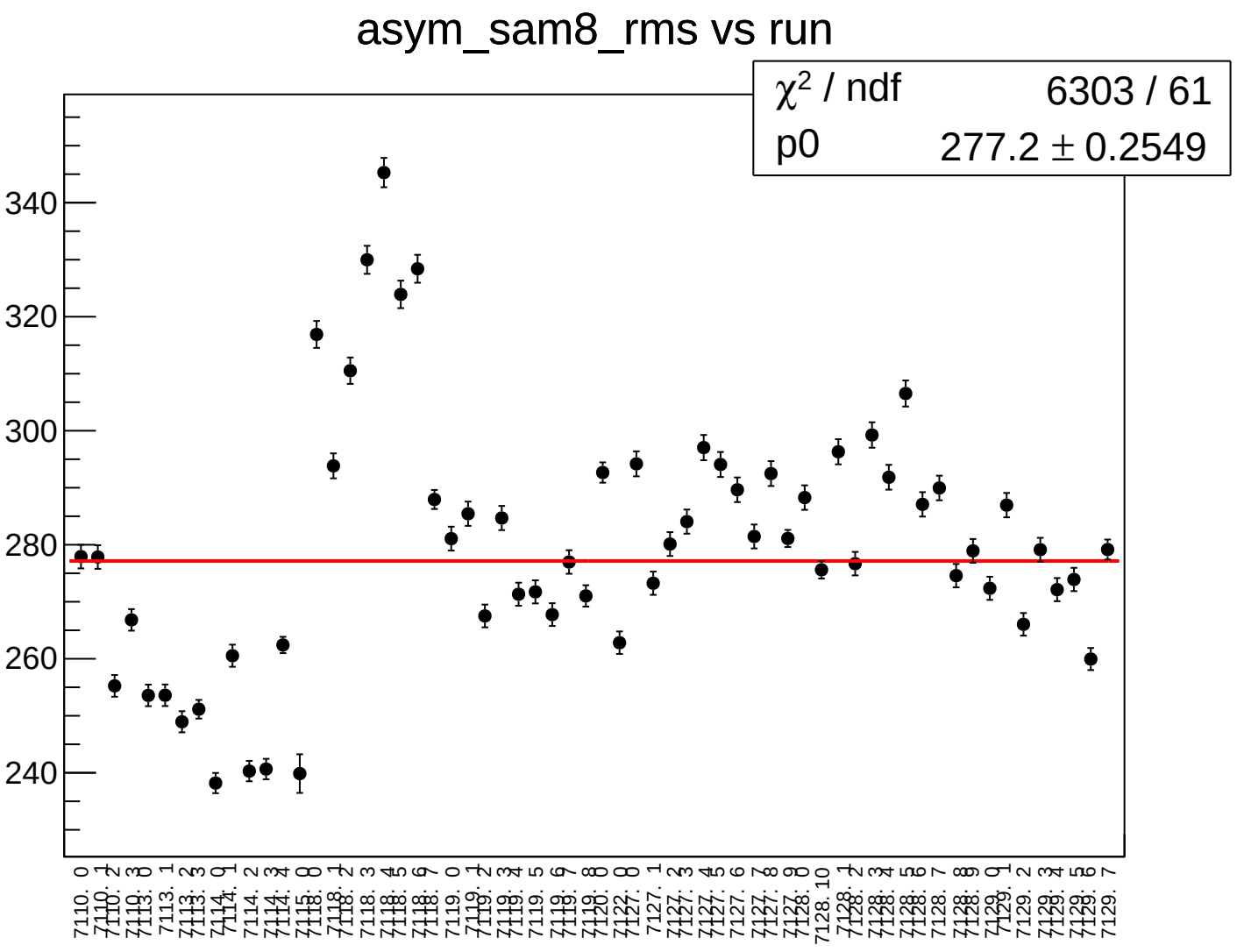

asym_sam8_correction_mean vs run
χ² / ndf 68.46 / 61
p0 −680.3 ± 343.4
pull
Entries 62
Mean −319.8
Std Dev 354.8

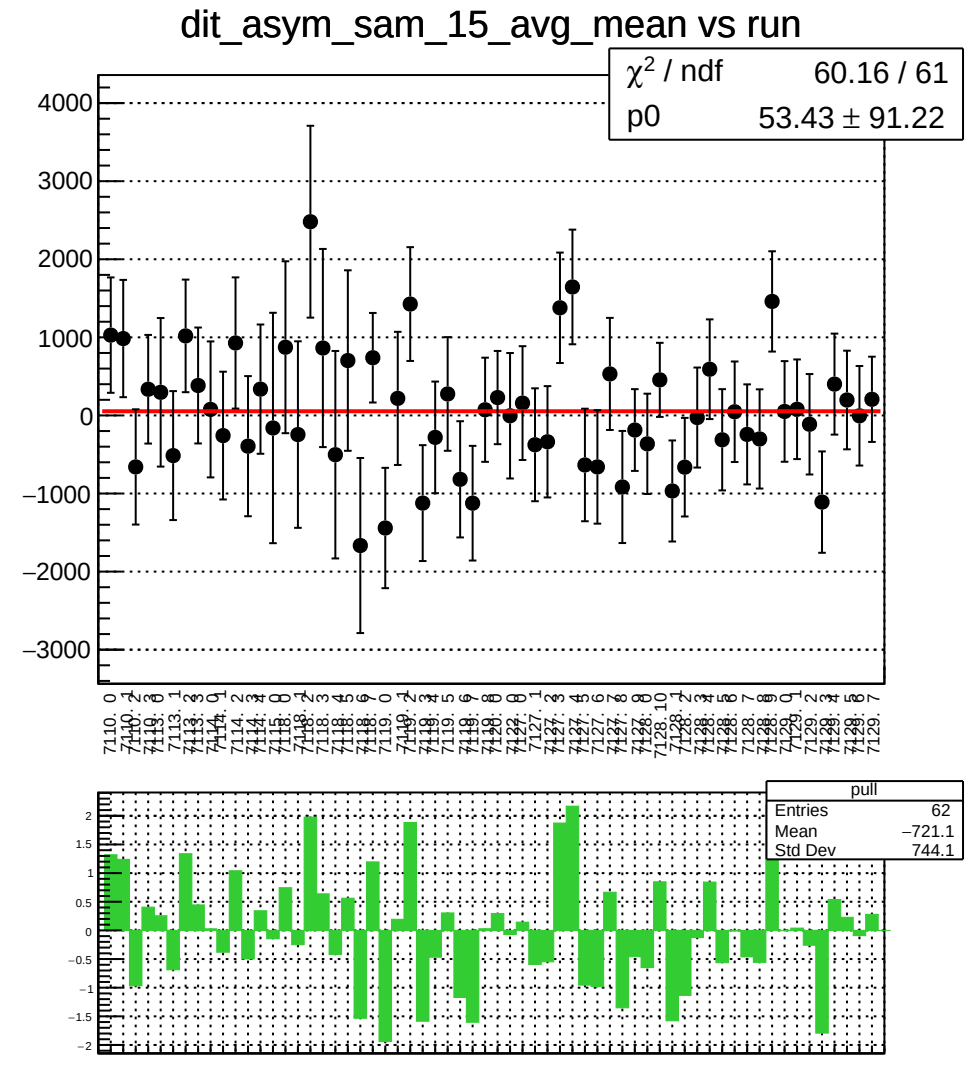

pull1D
Entries 62
Mean 0.01699
Std Dev 1.051

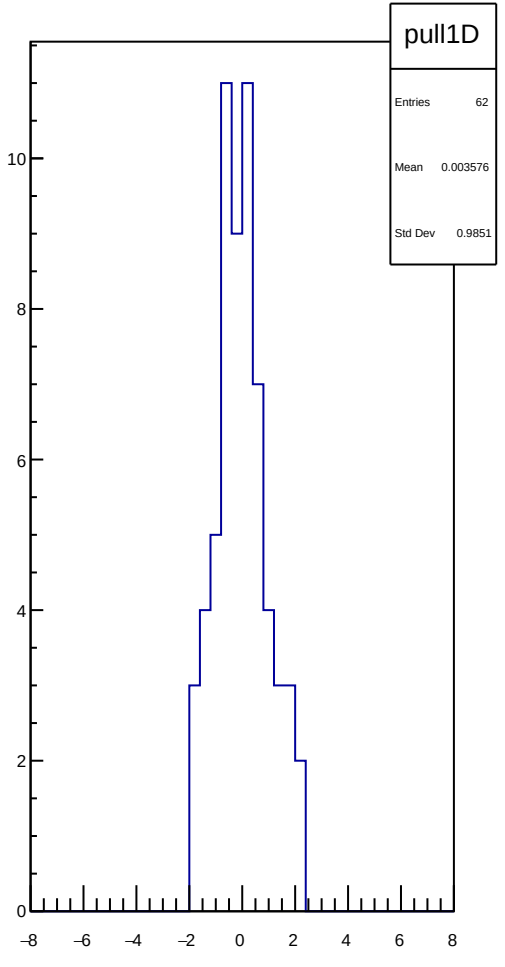

asym_sam8_correction_rms vs run
χ² / ndf 2920 / 61
p0 264.4 ± 0.2428
310
300
290
280
270
260
250
240

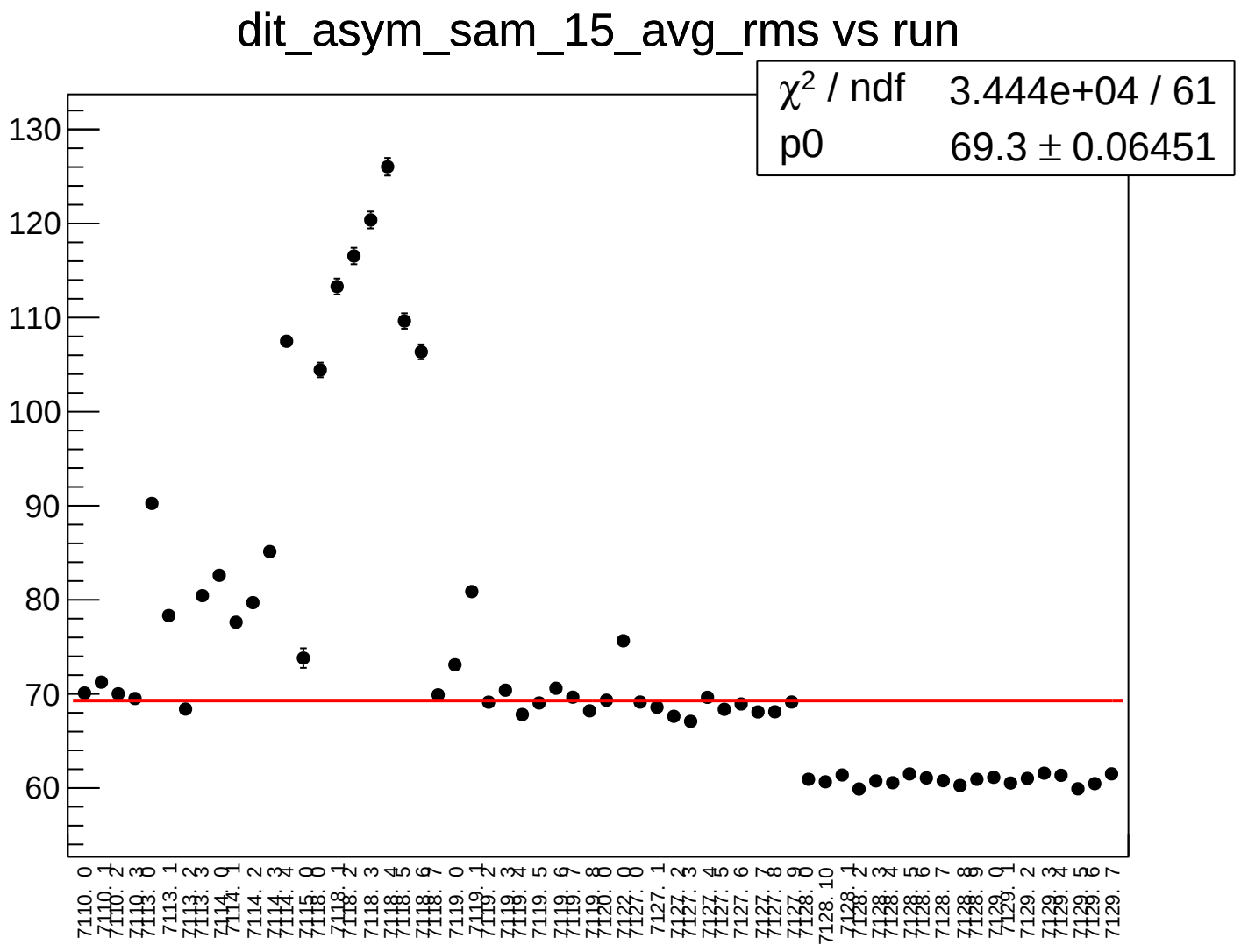

asym_sam8_mean vs run
χ² / ndf 70.33 / 61
p0 513.5 ± 360.5
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −406.3
Std Dev 442.2
2
1
0
−1
−2
−3

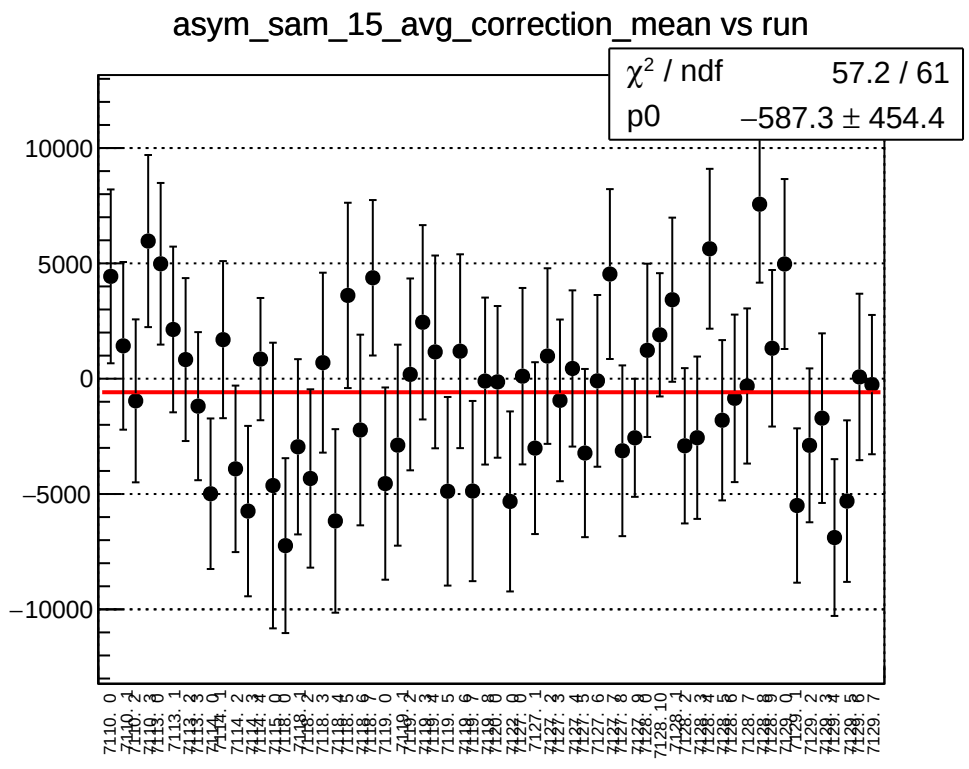

pull1D
Entries 62
Mean −0.01186
Std Dev 1.065
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

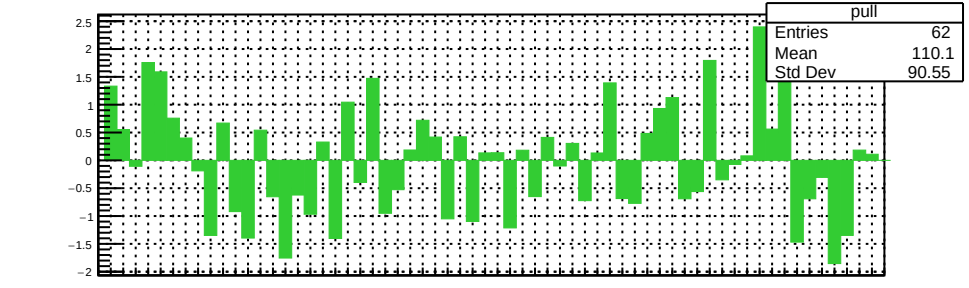

asym_sam8_rms vs run
χ² / ndf 6303 / 61
p0 277.2 ± 0.2549
340
320
300
280
260
240
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

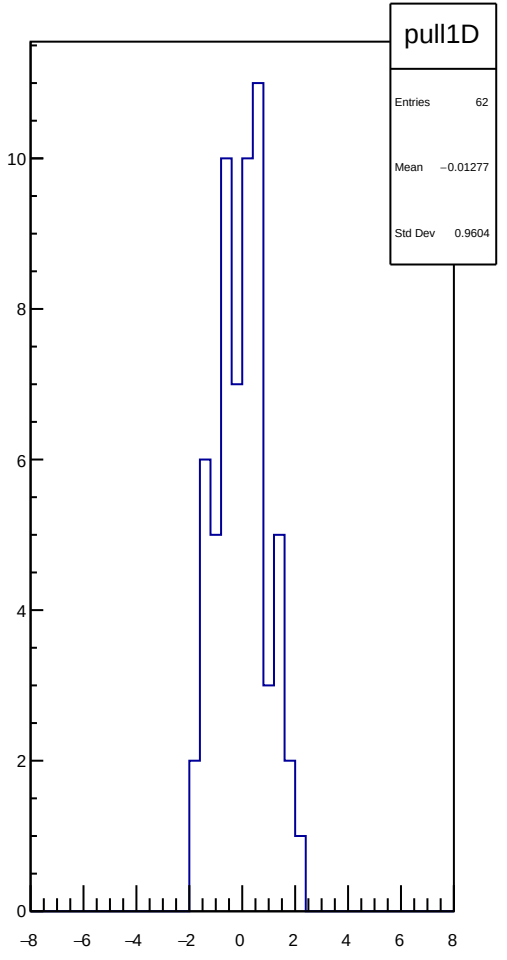

dit_asym_sam_15_avg_mean vs run
χ² / ndf 60.16 / 61
p0 53.43 ± 91.22
pull
Entries 62
Mean −721.1
Std Dev 744.1

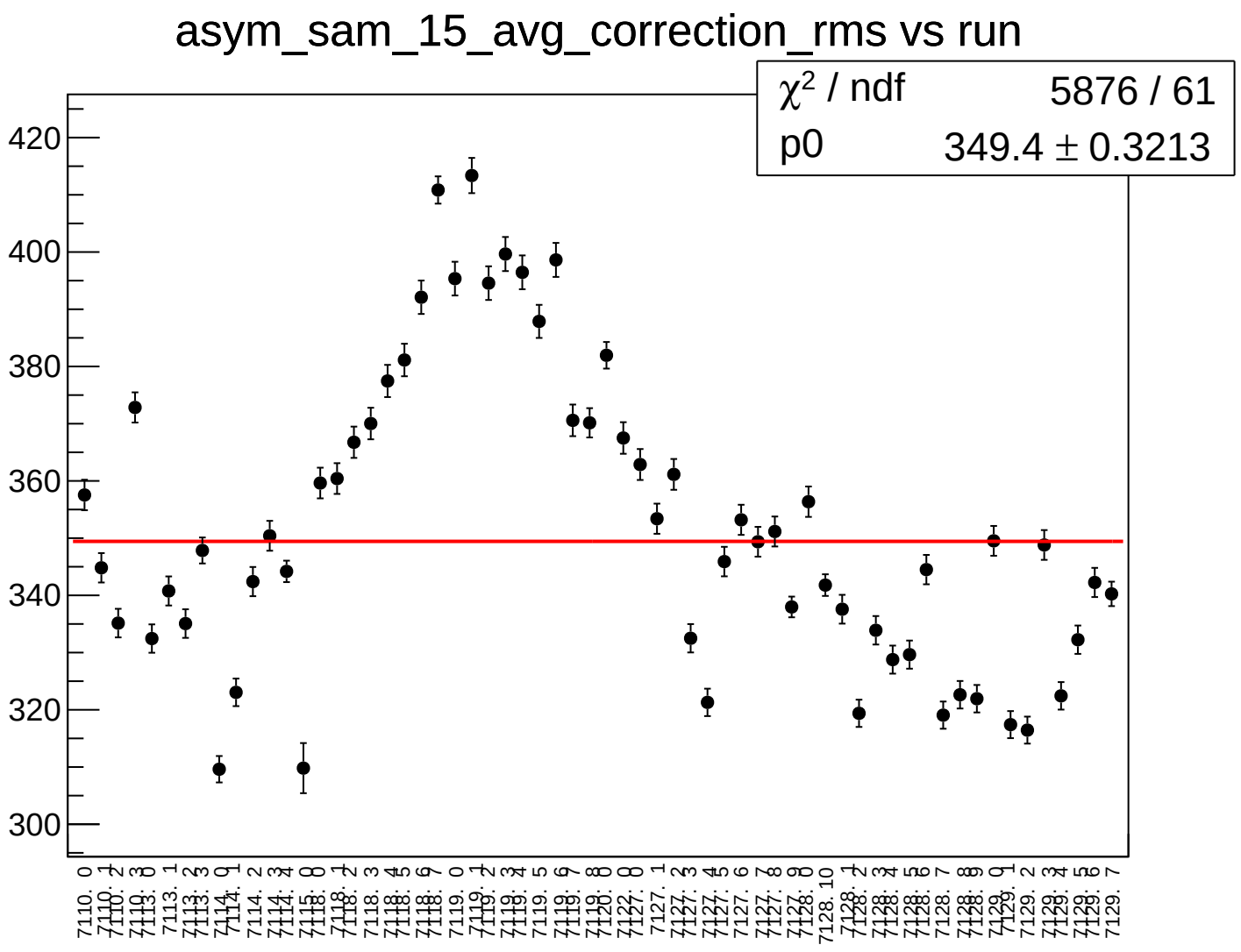

pull1D
Entries 62
Mean 0.003576
Std Dev 0.9851

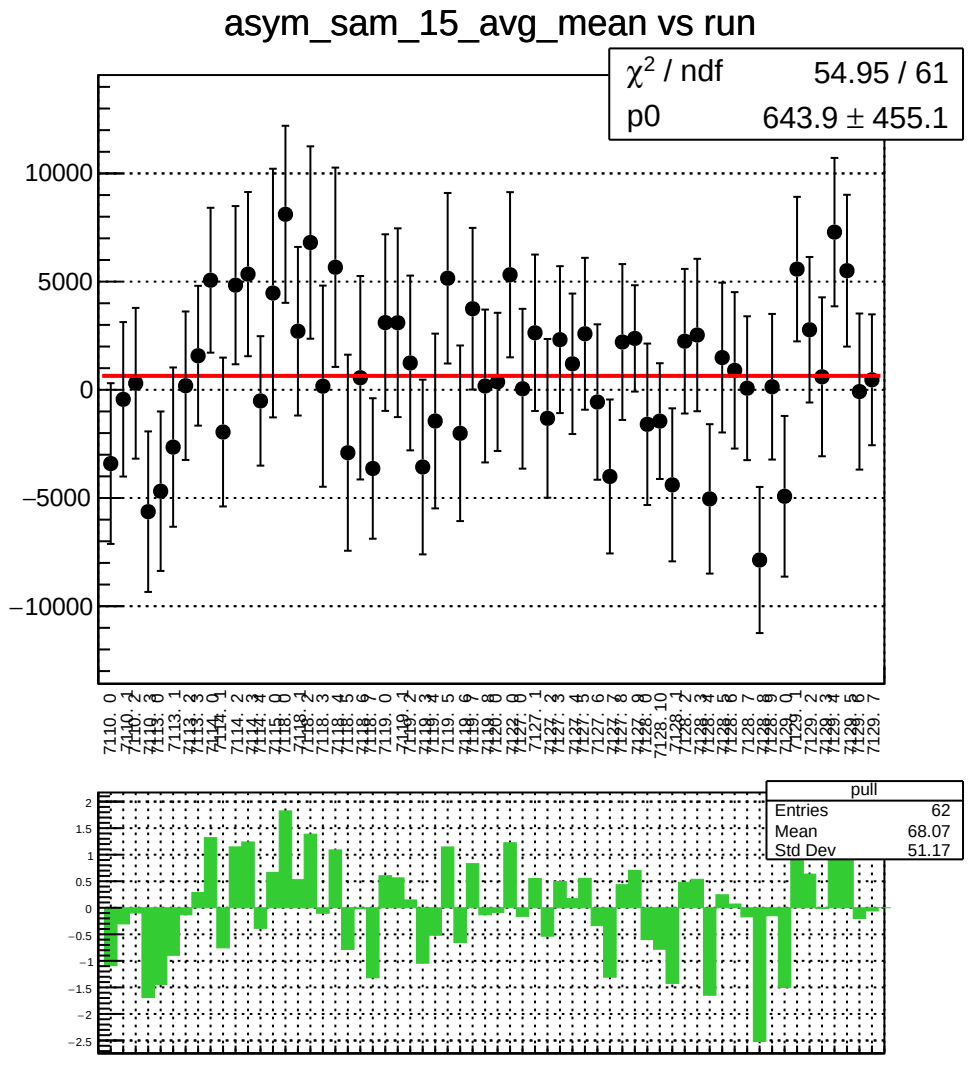

dit_asym_sam_15_avg_rms vs run
χ² / ndf 3.444e+04 / 61
p0 69.3 ± 0.06451
130
120
110
100
90
80
70
60

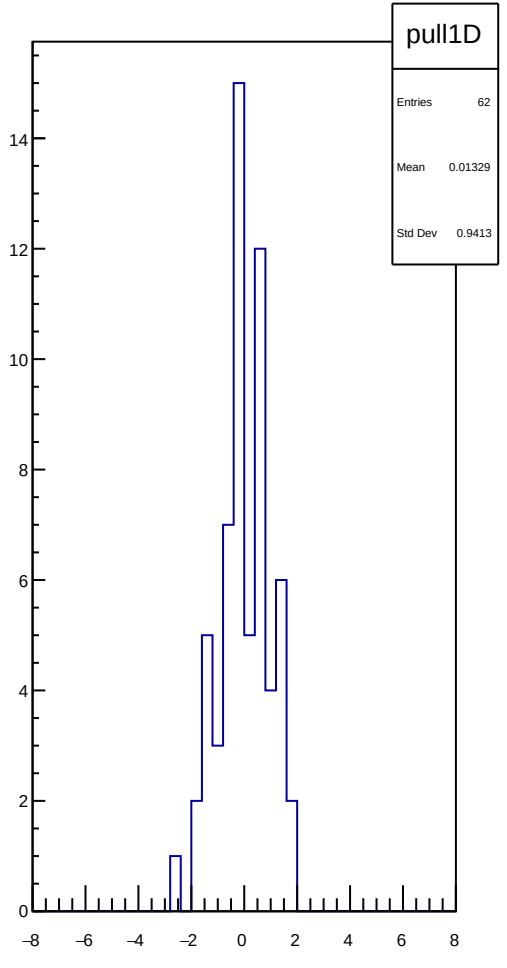

asym_sam_15_avg_correction_mean vs run
χ² / ndf 57.2 / 61
p0 −587.3 ± 454.4
10000
5000
0
−5000
−10000

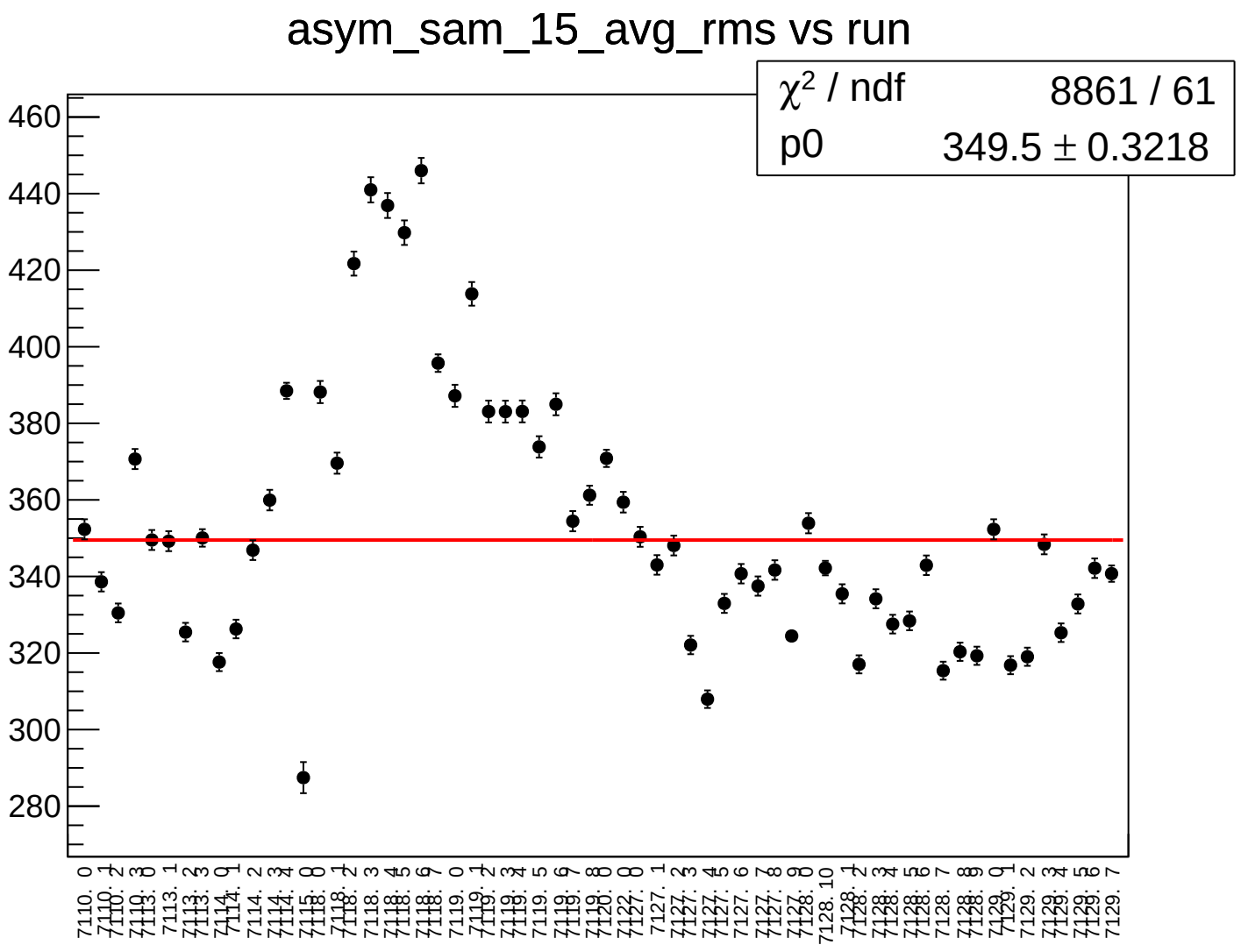

pull
Entries 62
Mean 110.1
Std Dev 90.55
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

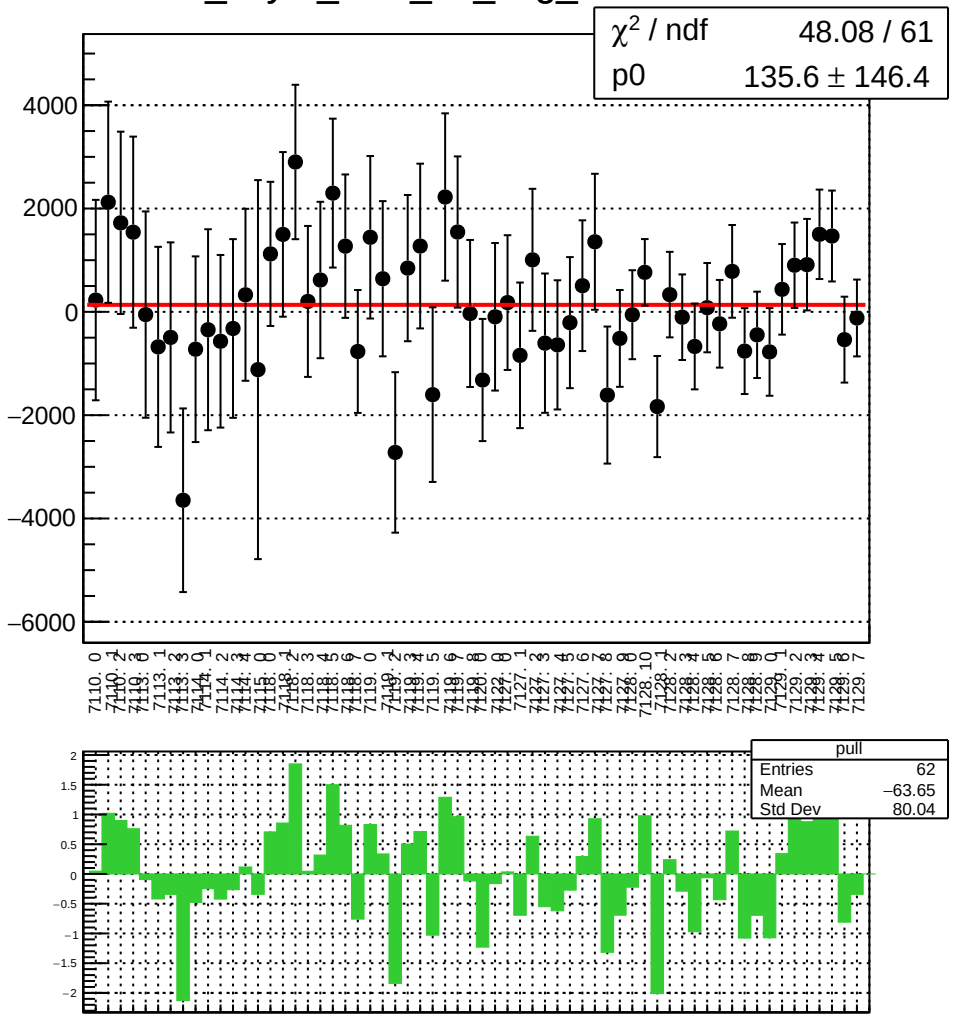

pull1D
Entries 62
Mean −0.01277
Std Dev 0.9604
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

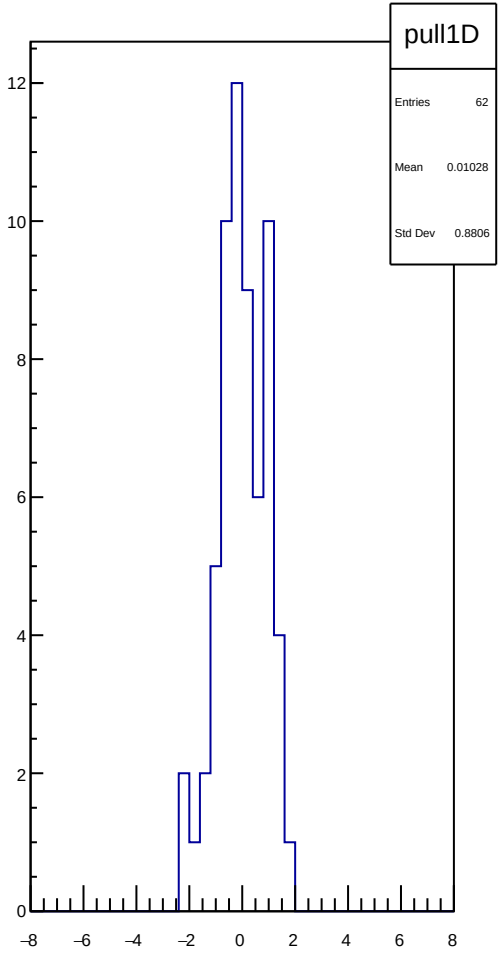

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5876 / 61
p0 349.4 ± 0.3213
420
400
380
360
340
320
300
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7120. 8
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

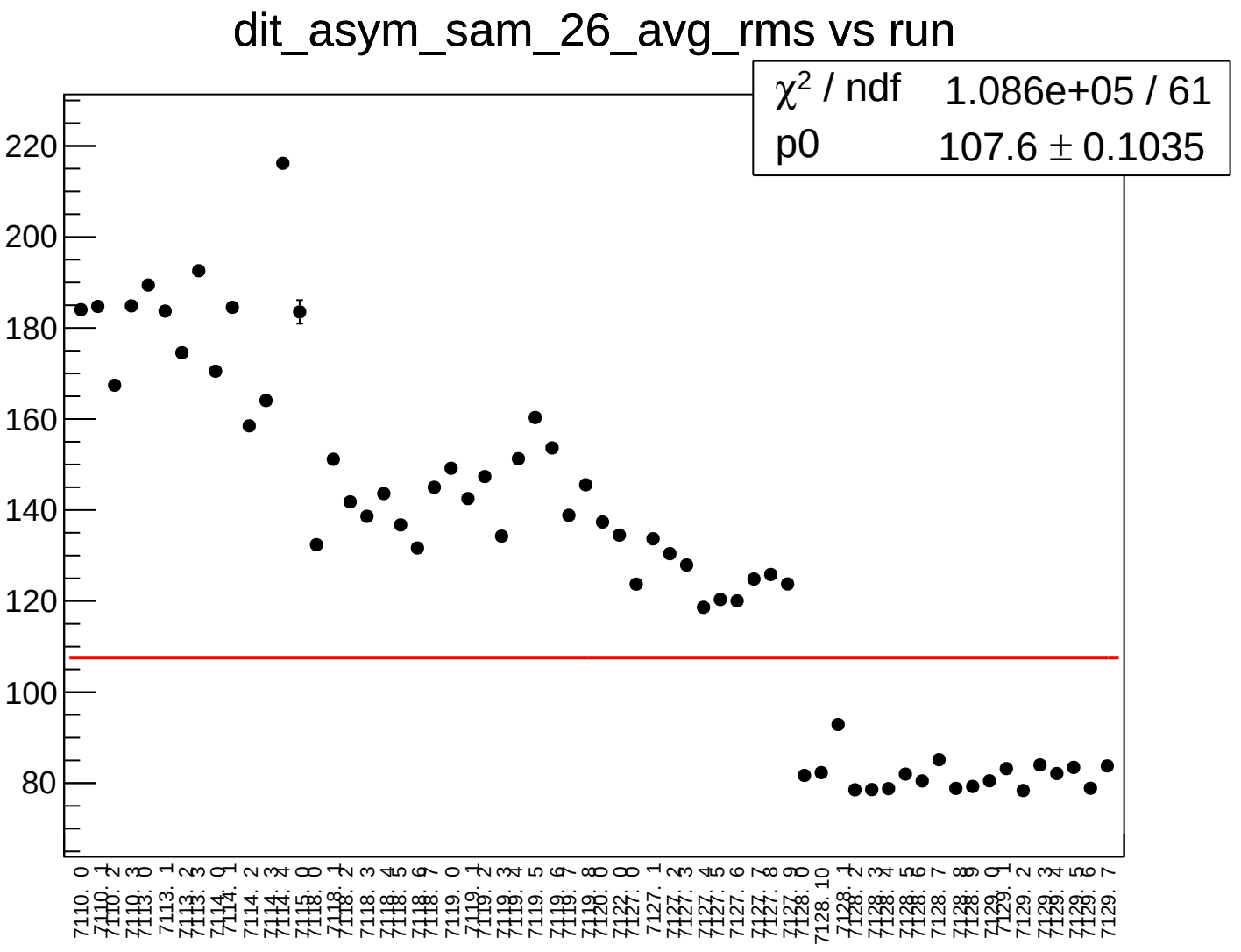

asym_sam_15_avg_mean vs run
χ² / ndf 54.95 / 61
p0 643.9 ± 455.1
10000
5000
0
−5000
−10000
pull
Entries 62
Mean 68.07
Std Dev 51.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

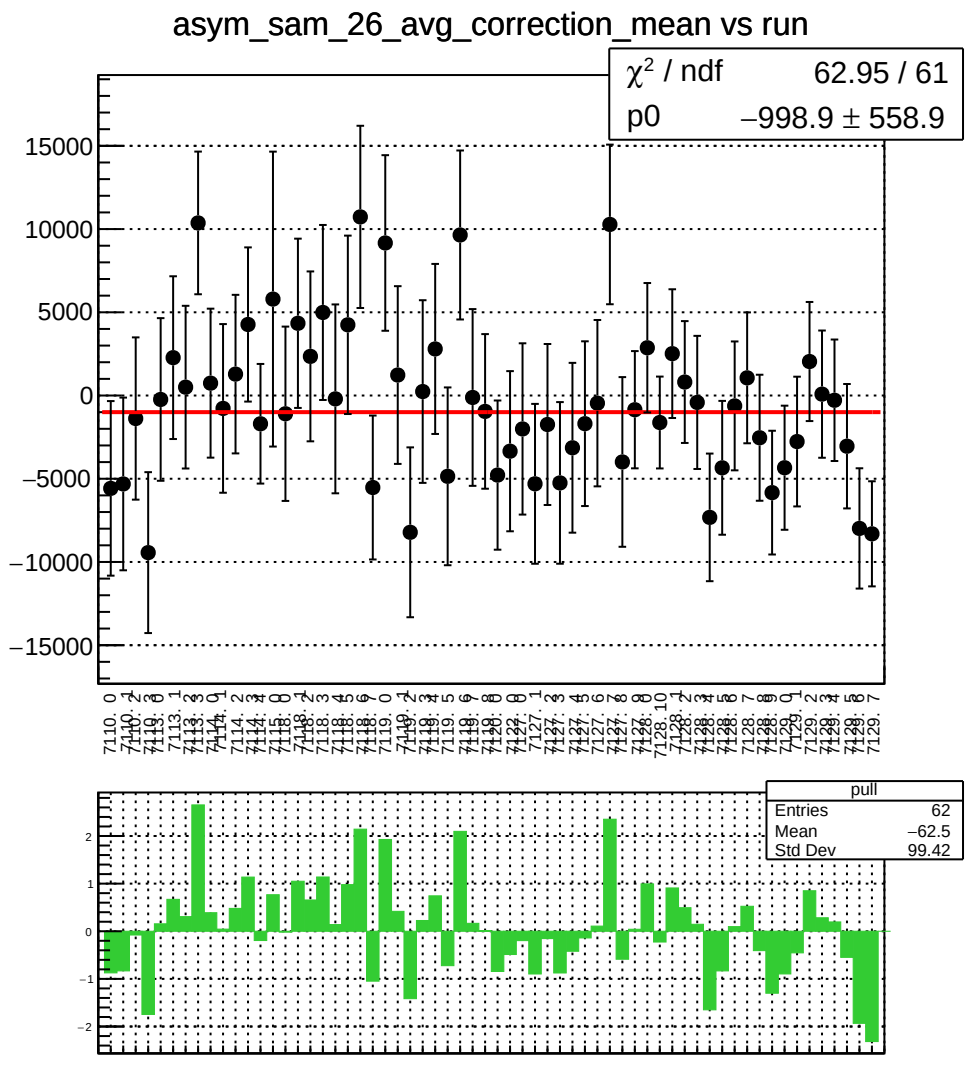

pull1D
Entries 62
Mean 0.01329
Std Dev 0.9413
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

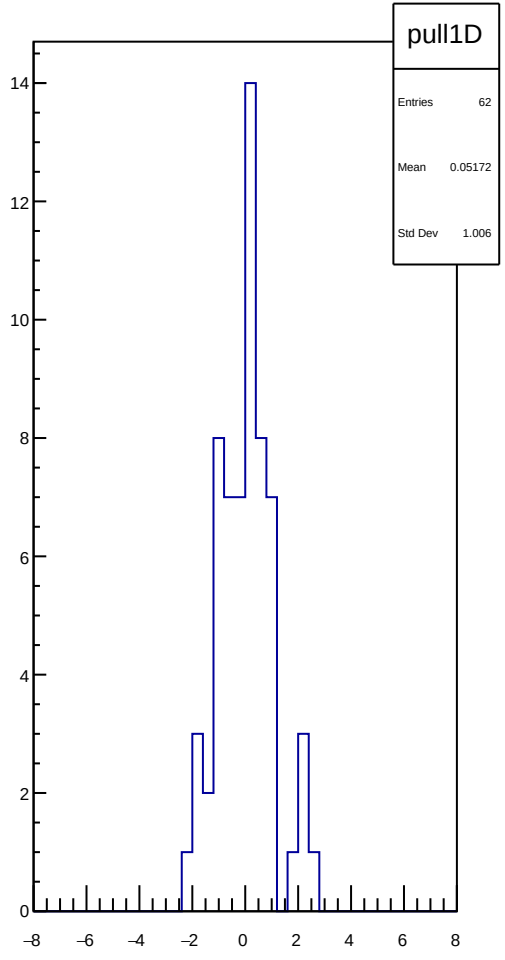

asym_sam_15_avg_rms vs run
χ^2 / ndf 8861 / 61
p0 349.5 ± 0.3218
460
440
420
400
380
360
340
320
300
280

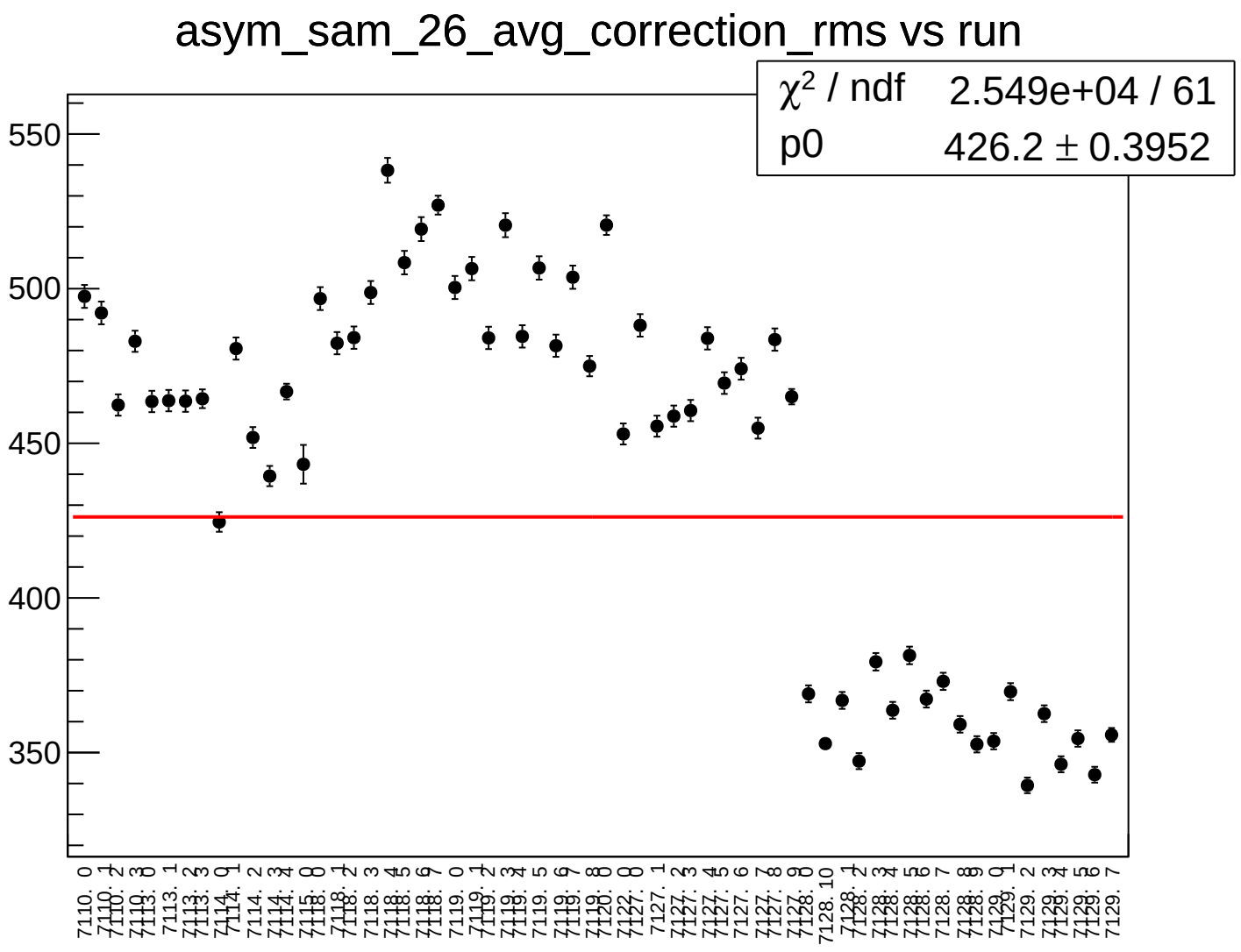

dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 48.08 / 61
p0 135.6 ± 146.4
pull
Entries 62
Mean −63.65
Std Dev 80.04

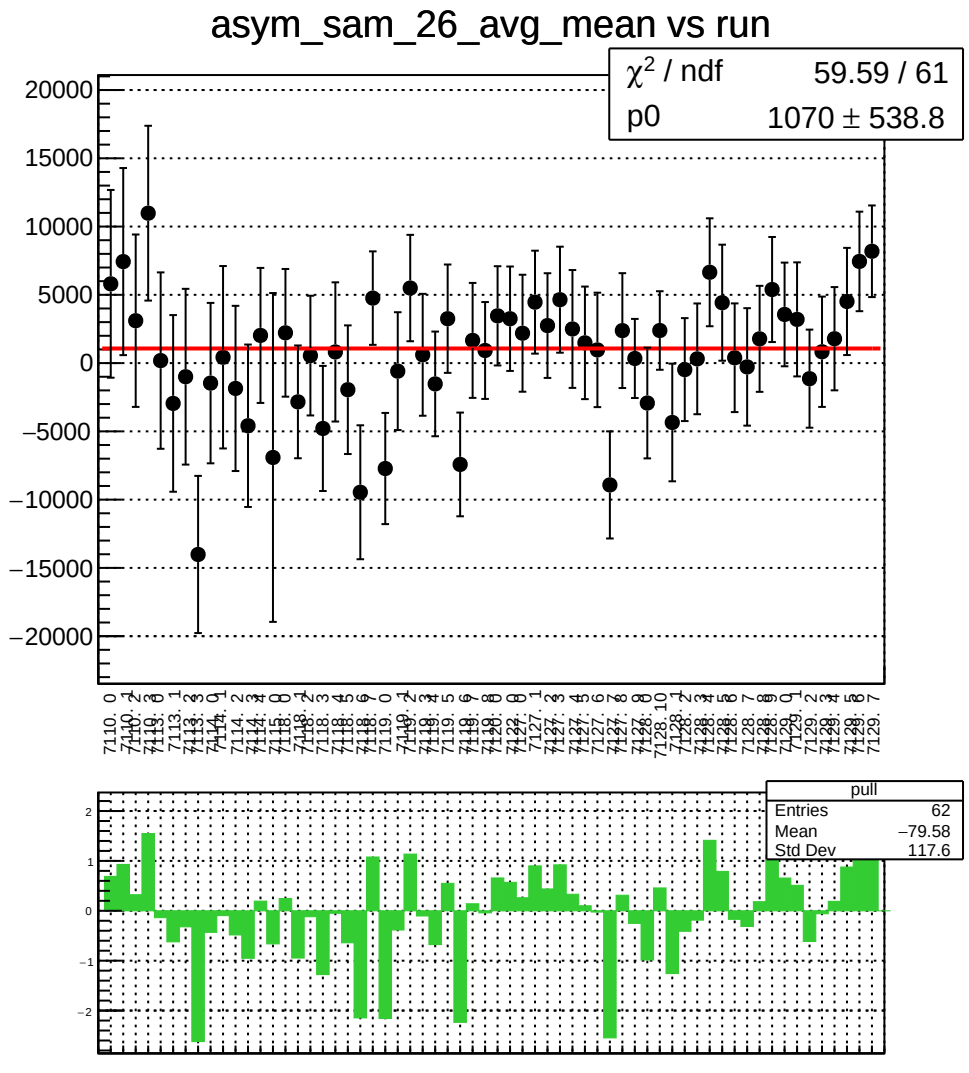

pull1D
Entries 62
Mean 0.01028
Std Dev 0.8806

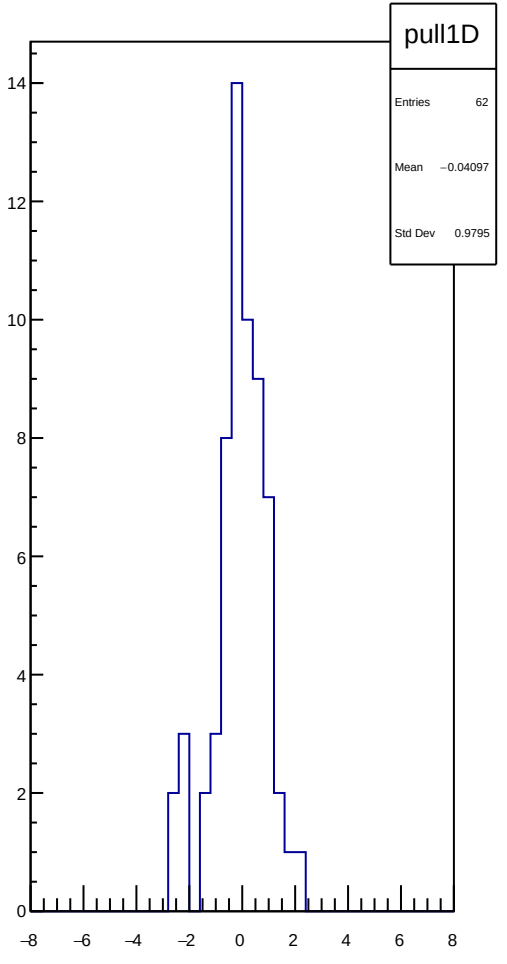

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.086e+05 / 61
p0 107.6 ± 0.1035
220
200
180
160
140
120
100
80
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

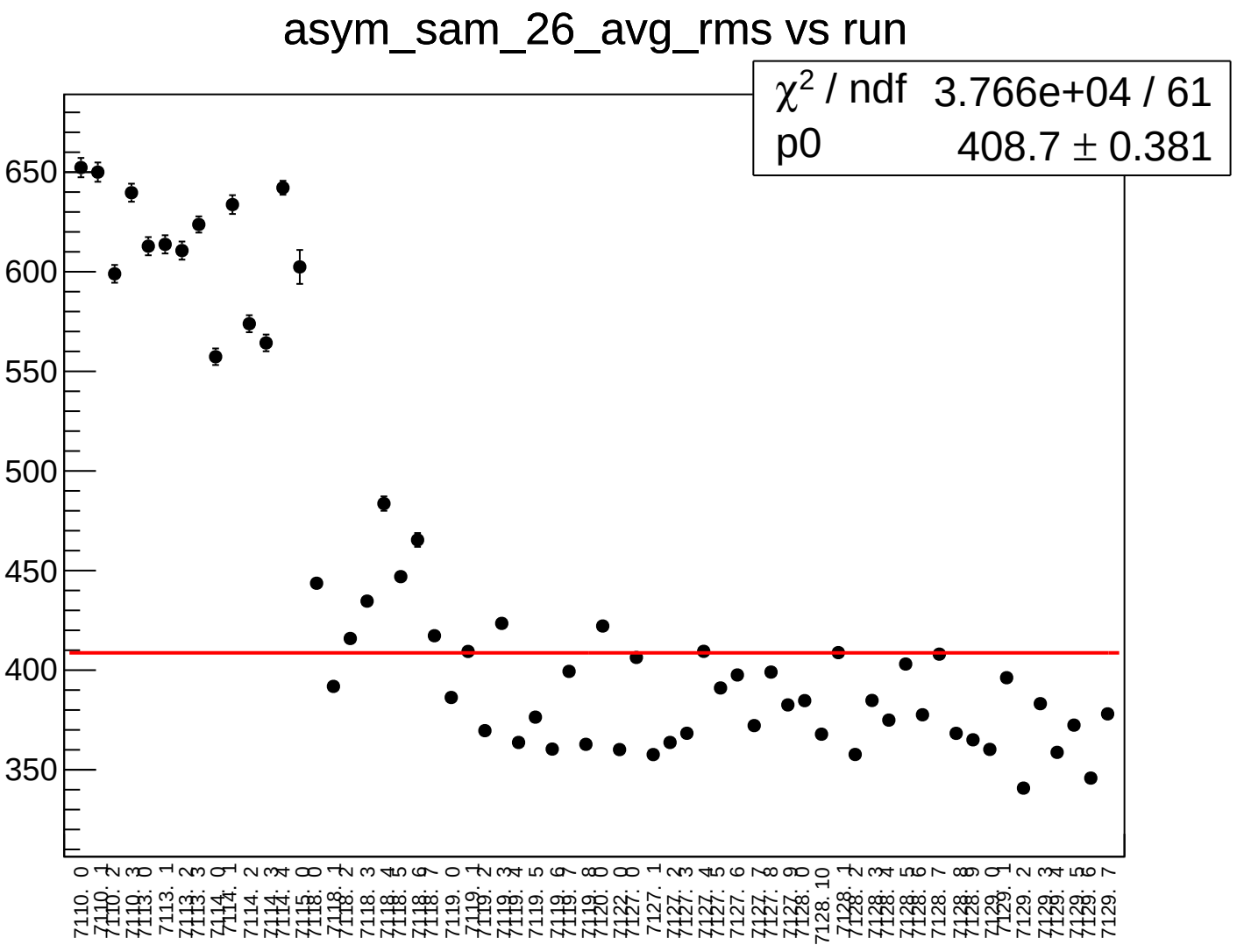

asym_sam_26_avg_correction_mean vs run
χ² / ndf 62.95 / 61
p0 −998.9 ± 558.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 62
Mean −62.5
Std Dev 99.42
2
1
0
−1
−2

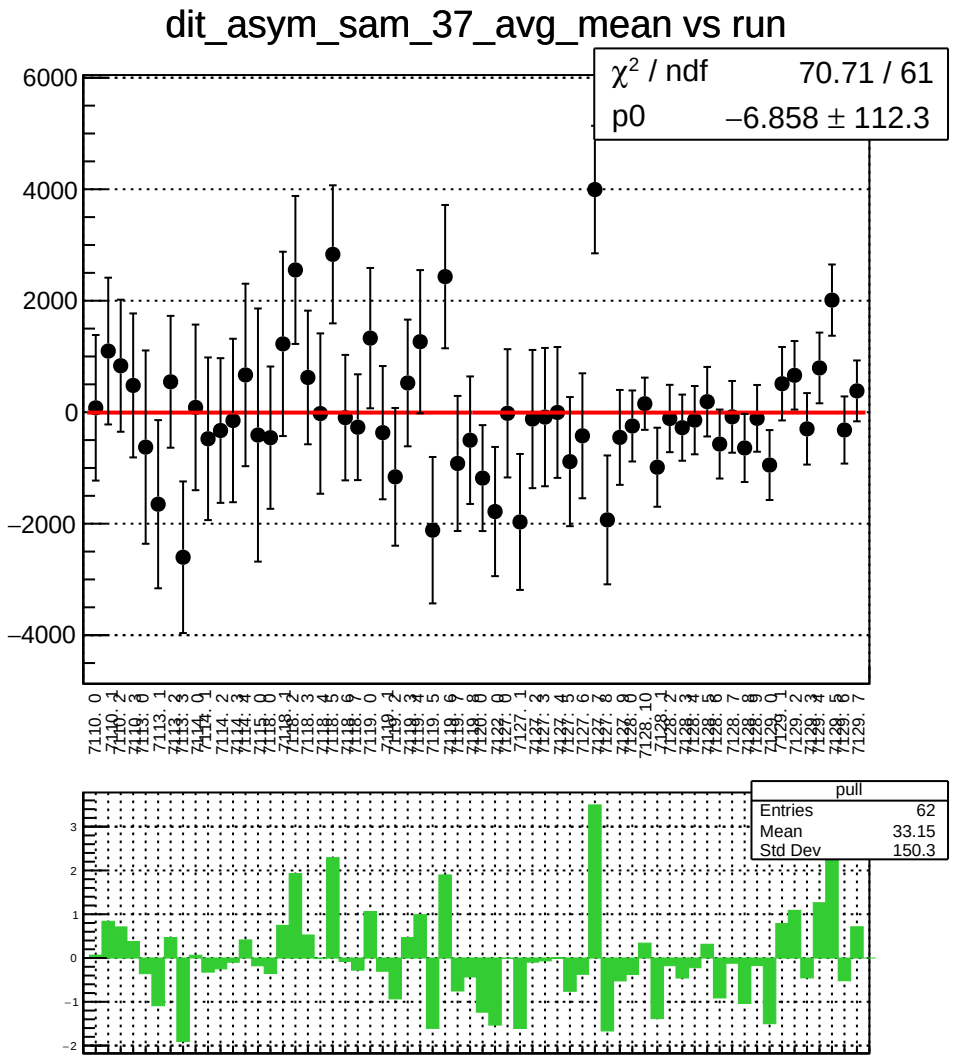

pull1D
Entries 62
Mean 0.05172
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

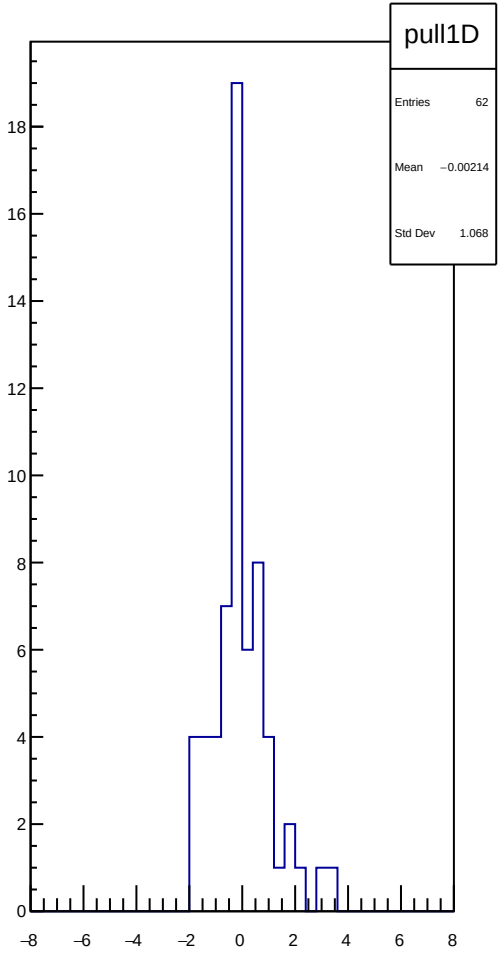

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2.549e+04 / 61
p0 426.2 ± 0.3952
550
500
450
400
350

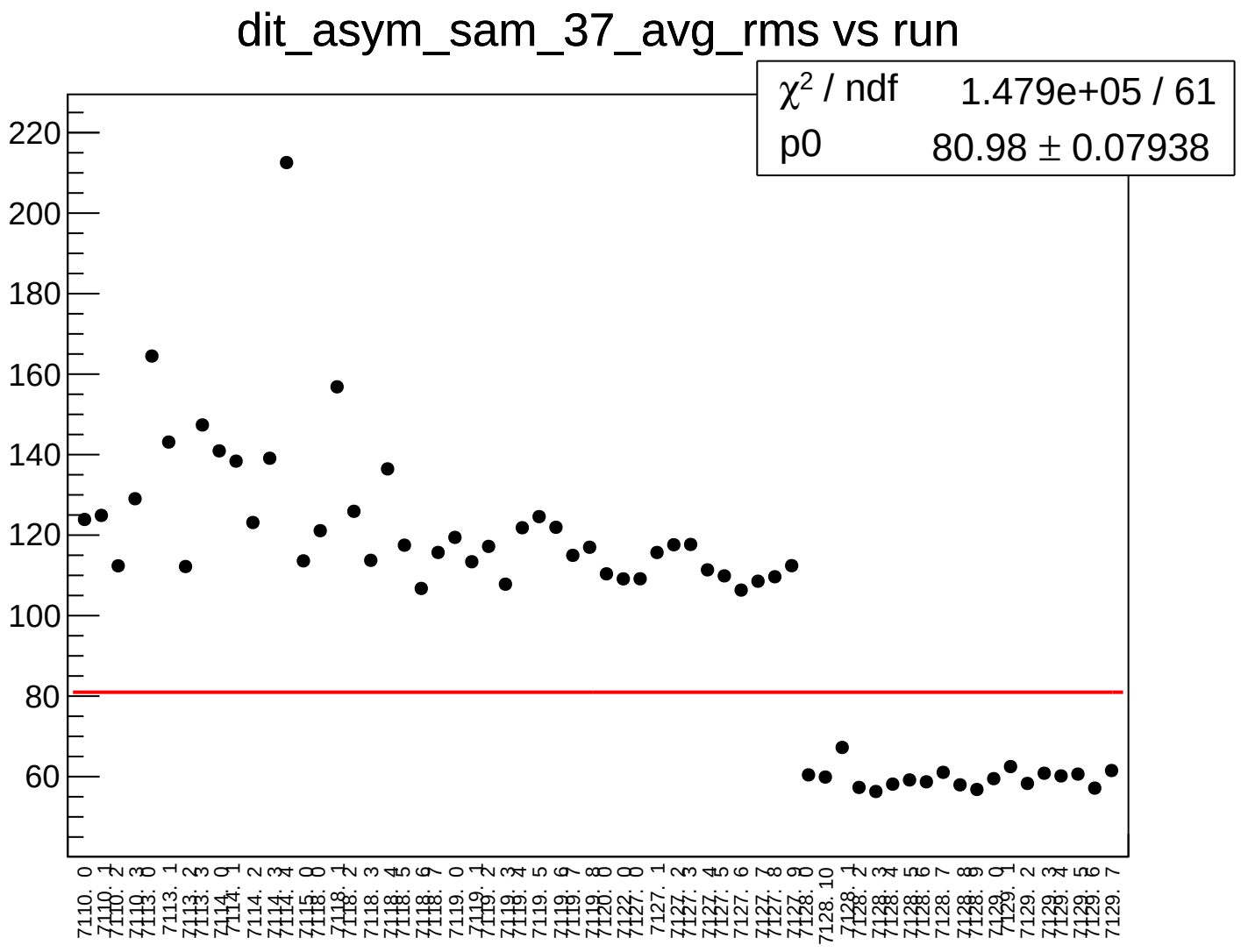

asym_sam_26_avg_mean vs run
χ² / ndf 59.59 / 61
p0 1070 ± 538.8
pull
Entries 62
Mean −79.58
Std Dev 117.6

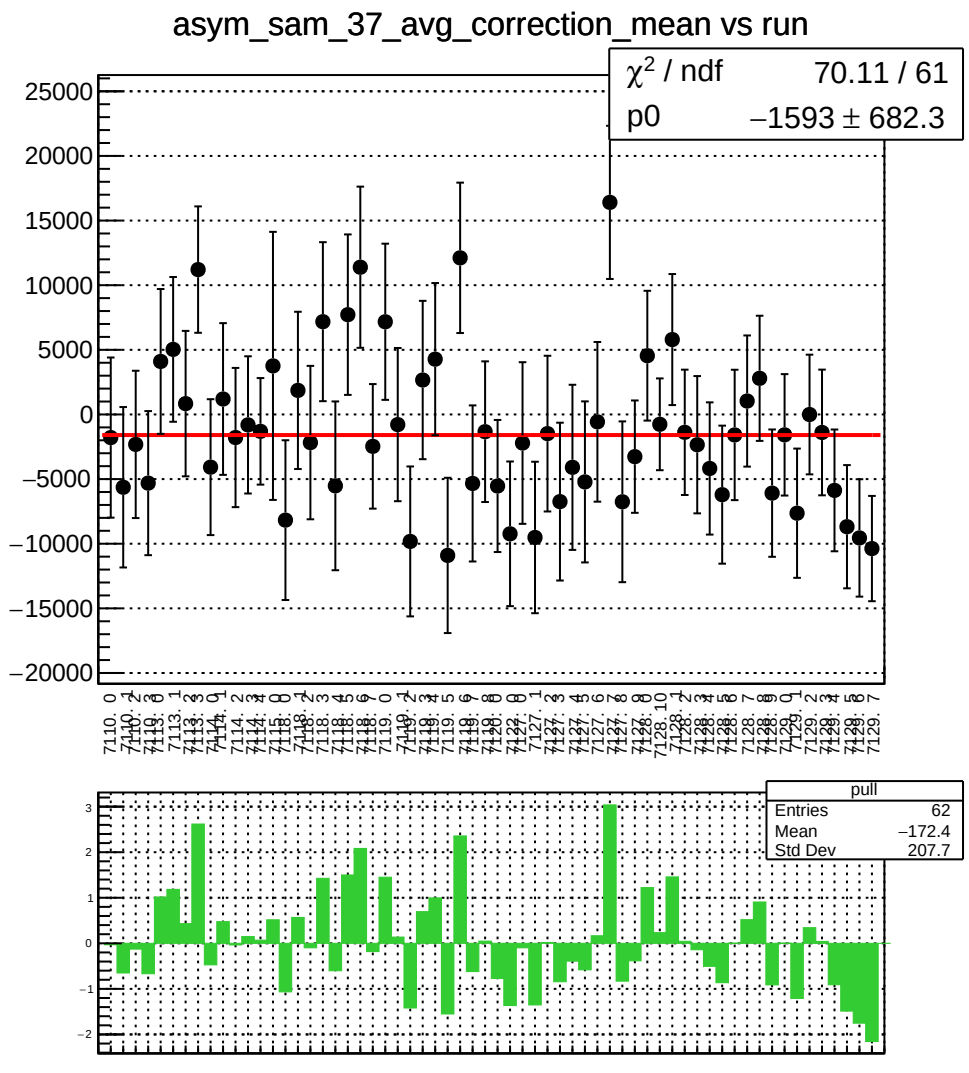

pull1D
Entries 62
Mean −0.04097
Std Dev 0.9795

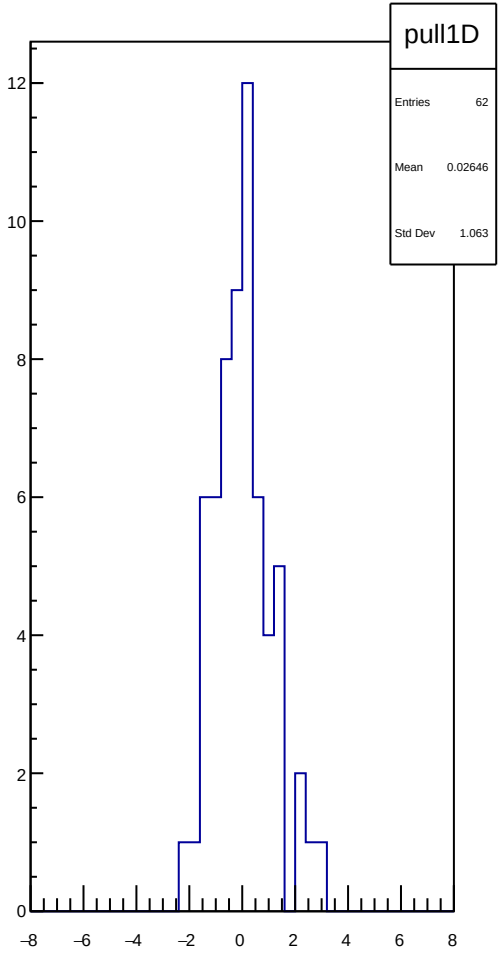

asym_sam_26_avg_rms vs run
χ² / ndf 3.766e+04 / 61
p0 408.7 ± 0.381
650
600
550
500
450
400
350

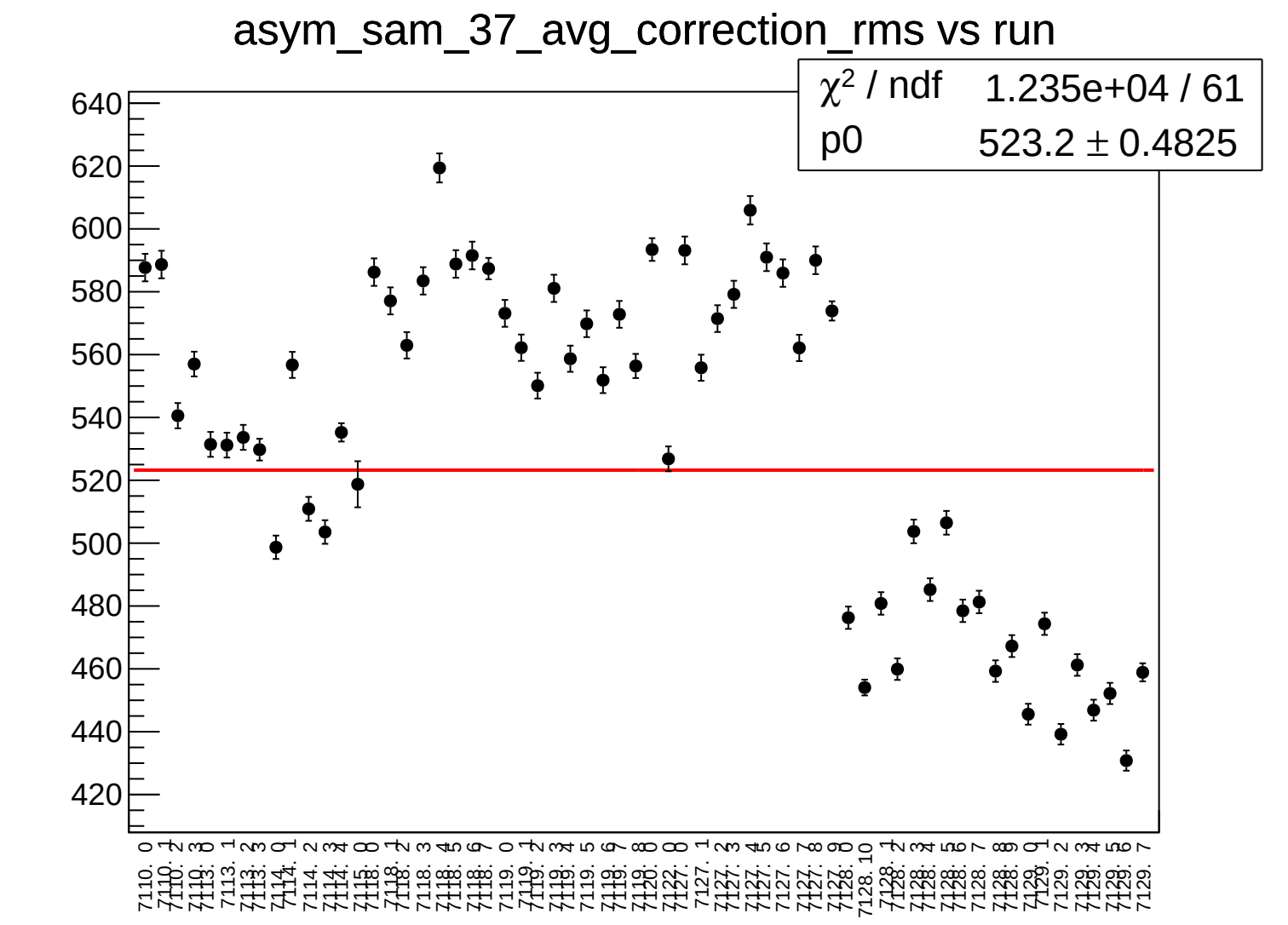

dit_asym_sam_37_avg_mean vs run
χ² / ndf 70.71 / 61
p0 −6.858 ± 112.3
pull
Entries 62
Mean 33.15
Std Dev 150.3

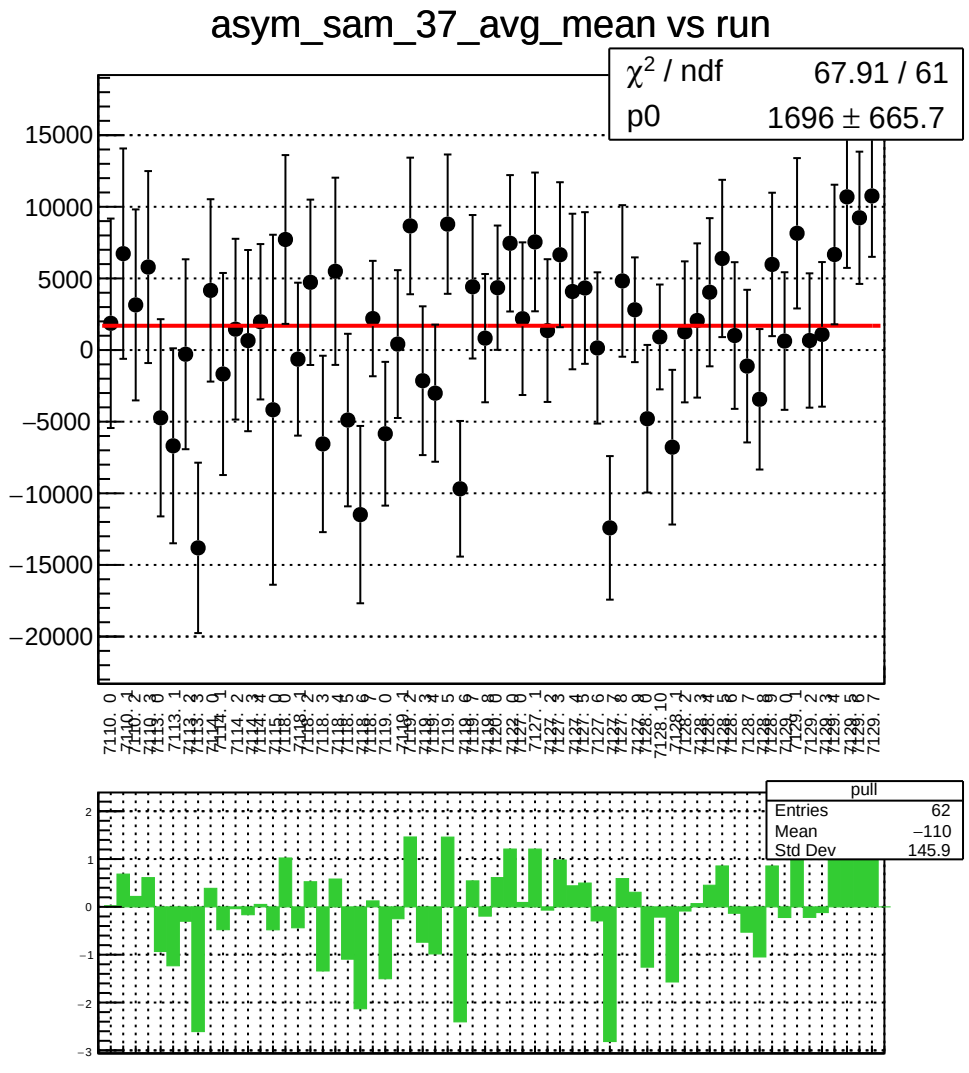

pull1D
Entries 62
Mean −0.00214
Std Dev 1.068

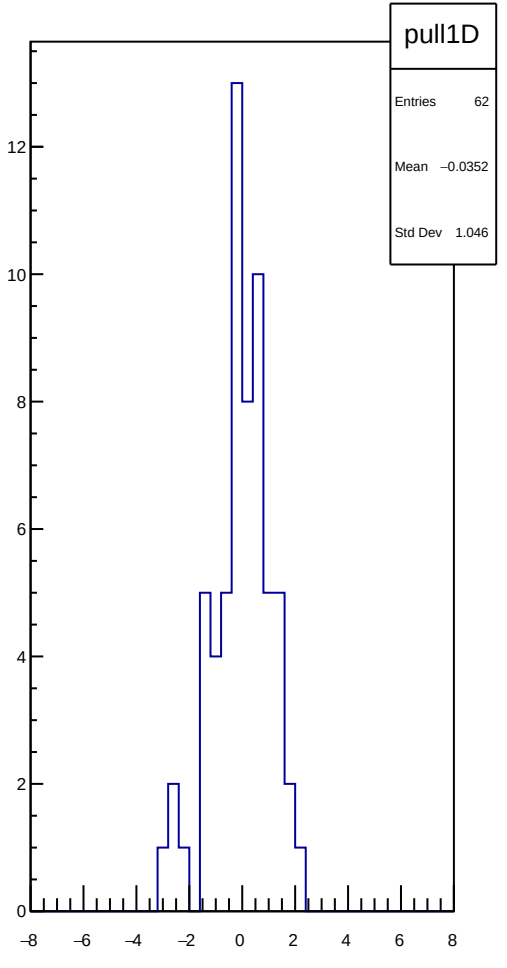

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.479e+05 / 61
p0 80.98 ± 0.07938
220
200
180
160
140
120
100
80
60

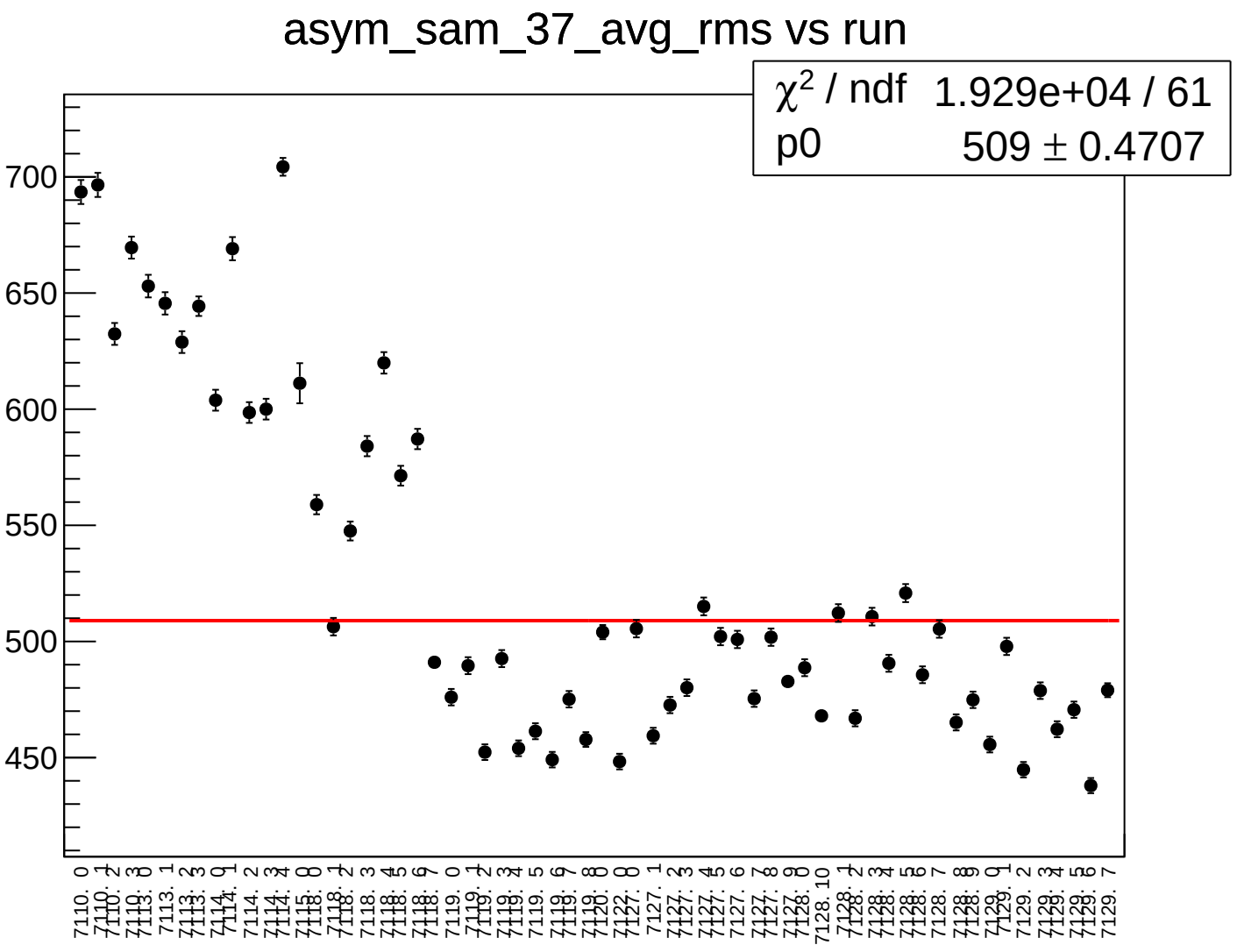

asym_sam_37_avg_correction_mean vs run
χ² / ndf 70.11 / 61
p0 −1593 ± 682.3
pull
Entries 62
Mean −172.4
Std Dev 207.7

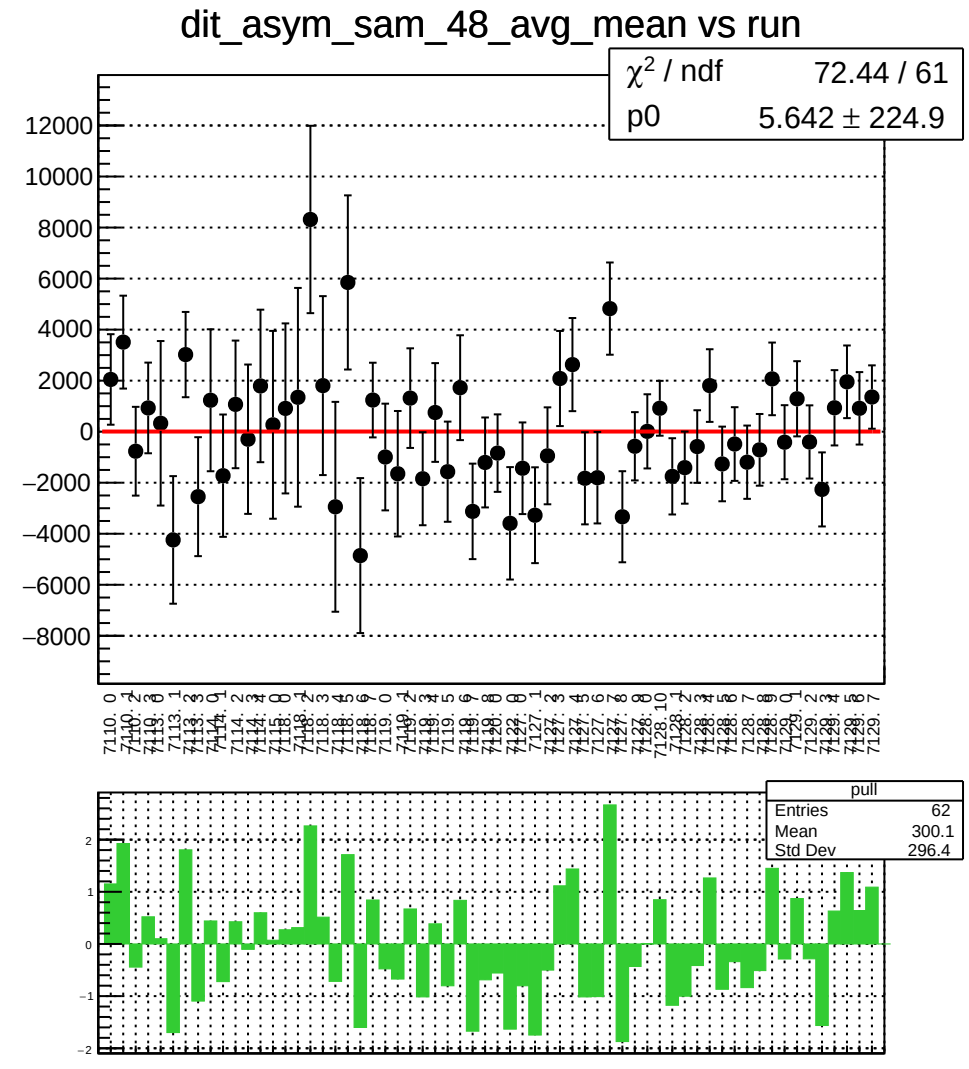

pull1D
Entries 62
Mean 0.02646
Std Dev 1.063

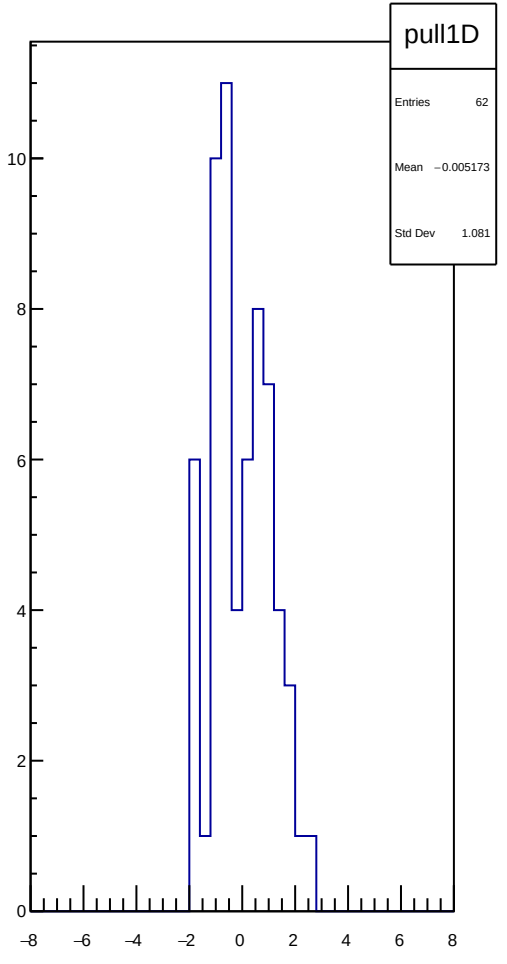

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.235e+04 / 61
p0 523.2 ± 0.4825
640
620
600
580
560
540
520
500
480
460
440
420

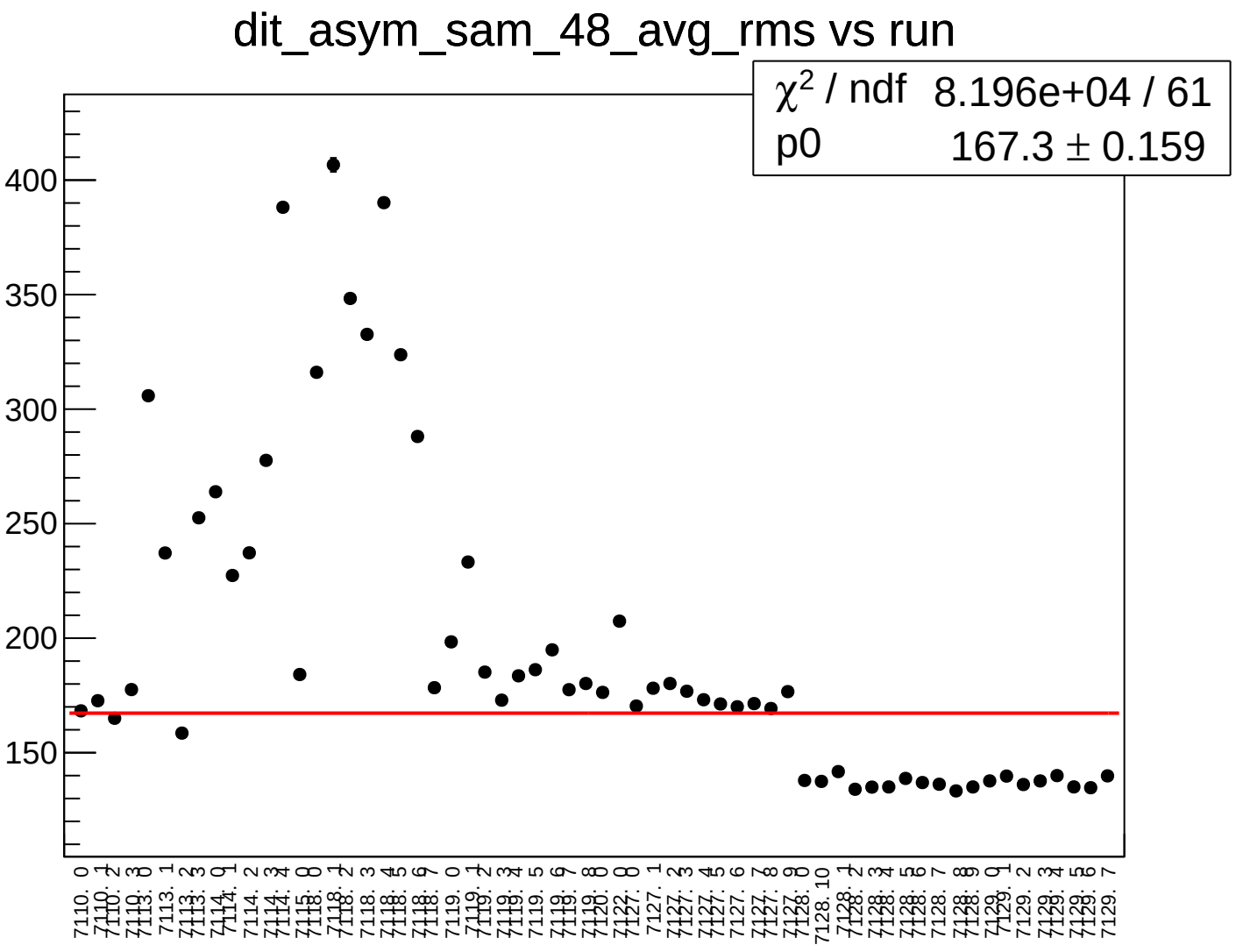

asym_sam_37_avg_mean vs run
χ² / ndf 67.91 / 61
p0 1696 ± 665.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 62
Mean −110
Std Dev 145.9
2
1
0
−1
−2
−3

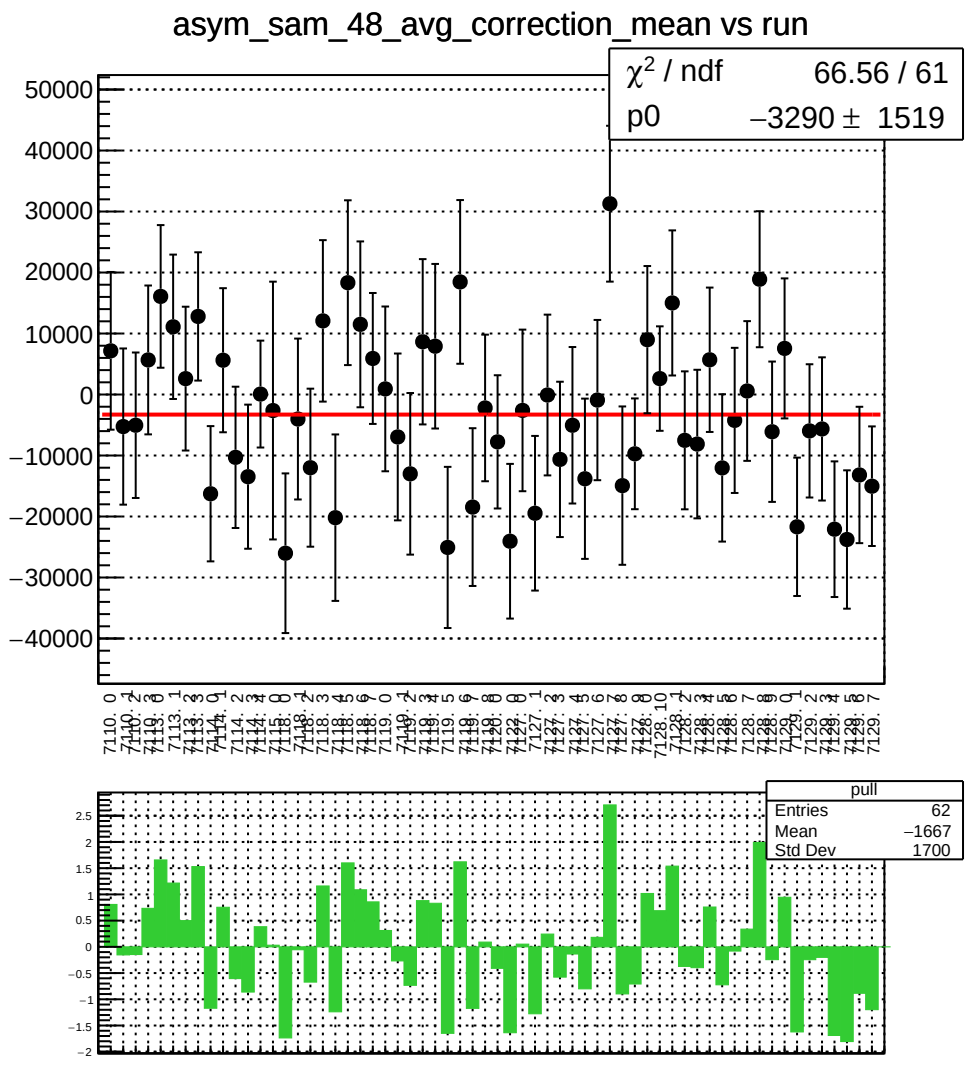

pull1D
Entries 62
Mean −0.0352
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

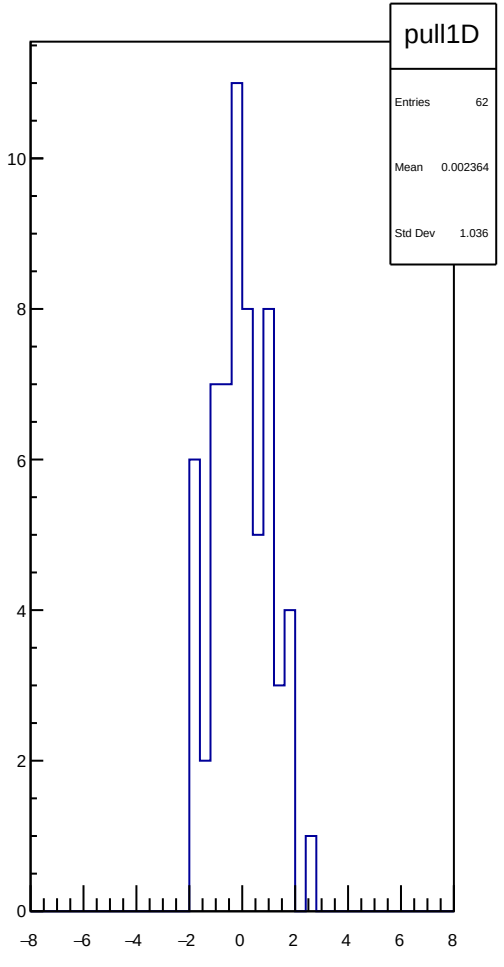

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.929e+04 / 61
p0 509 ± 0.4707
700
650
600
550
500
450
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

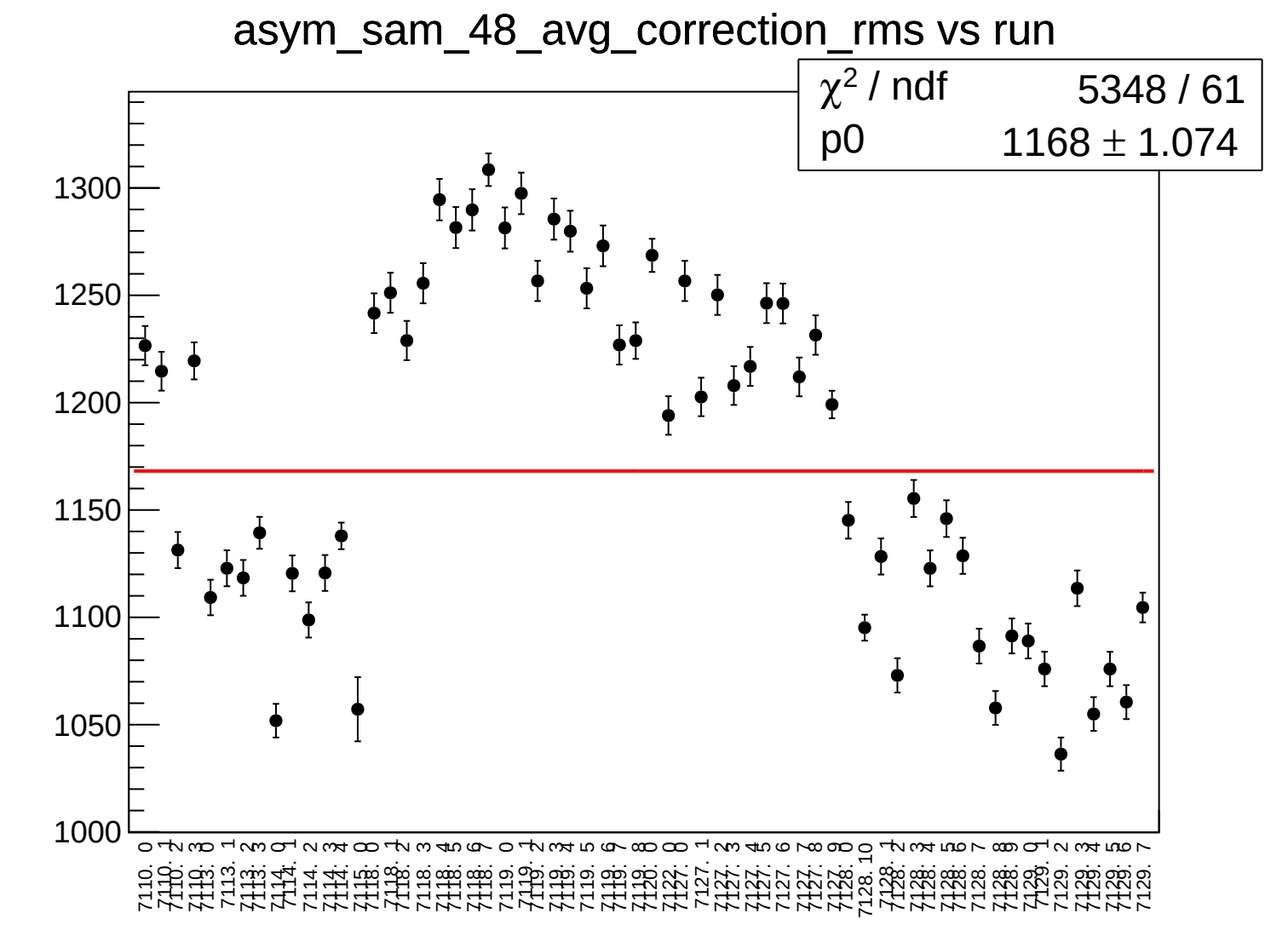

dit_asym_sam_48_avg_mean vs run
χ² / ndf 72.44 / 61
p0 5.642 ± 224.9
pull
Entries 62
Mean 300.1
Std Dev 296.4

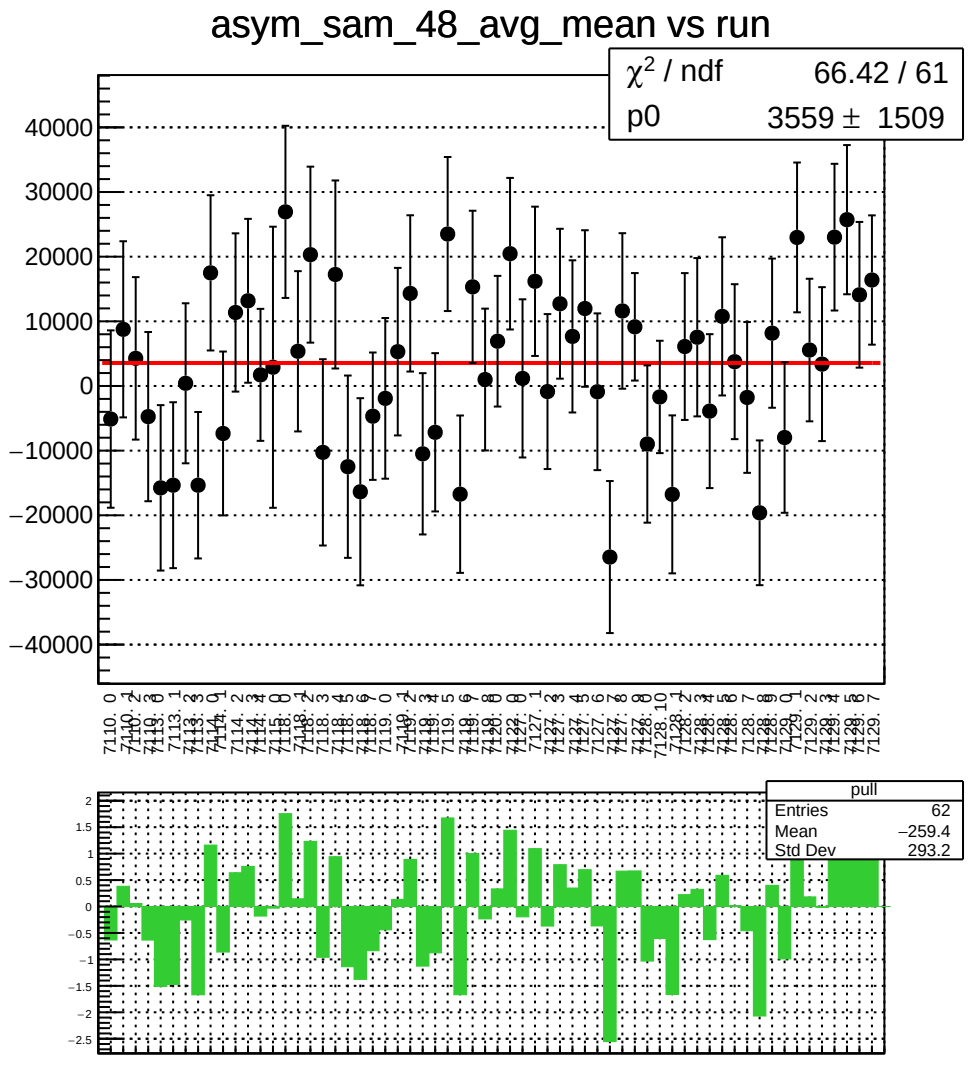

pull1D
Entries 62
Mean −0.005173
Std Dev 1.081

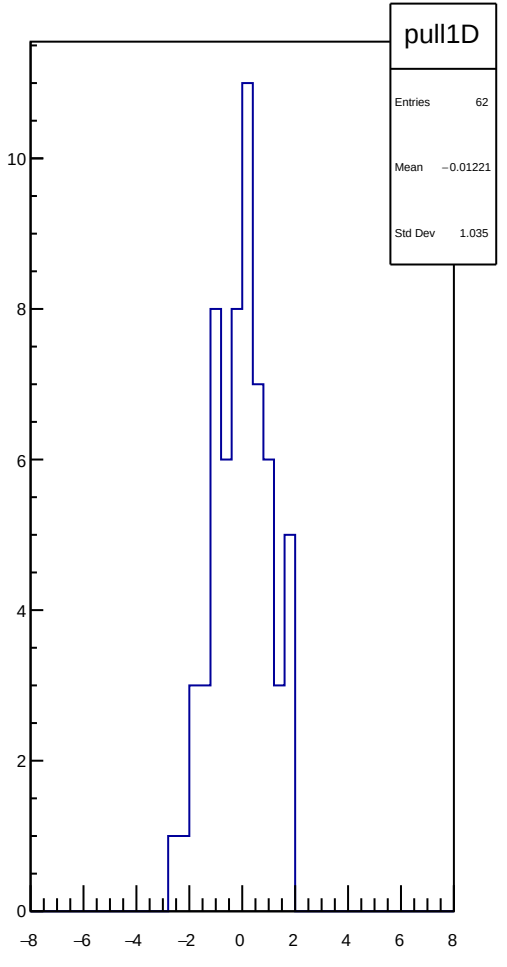

dit_asym_sam_48_avg_rms vs run
χ² / ndf 8.196e+04 / 61
p0 167.3 ± 0.159
400
350
300
250
200
150

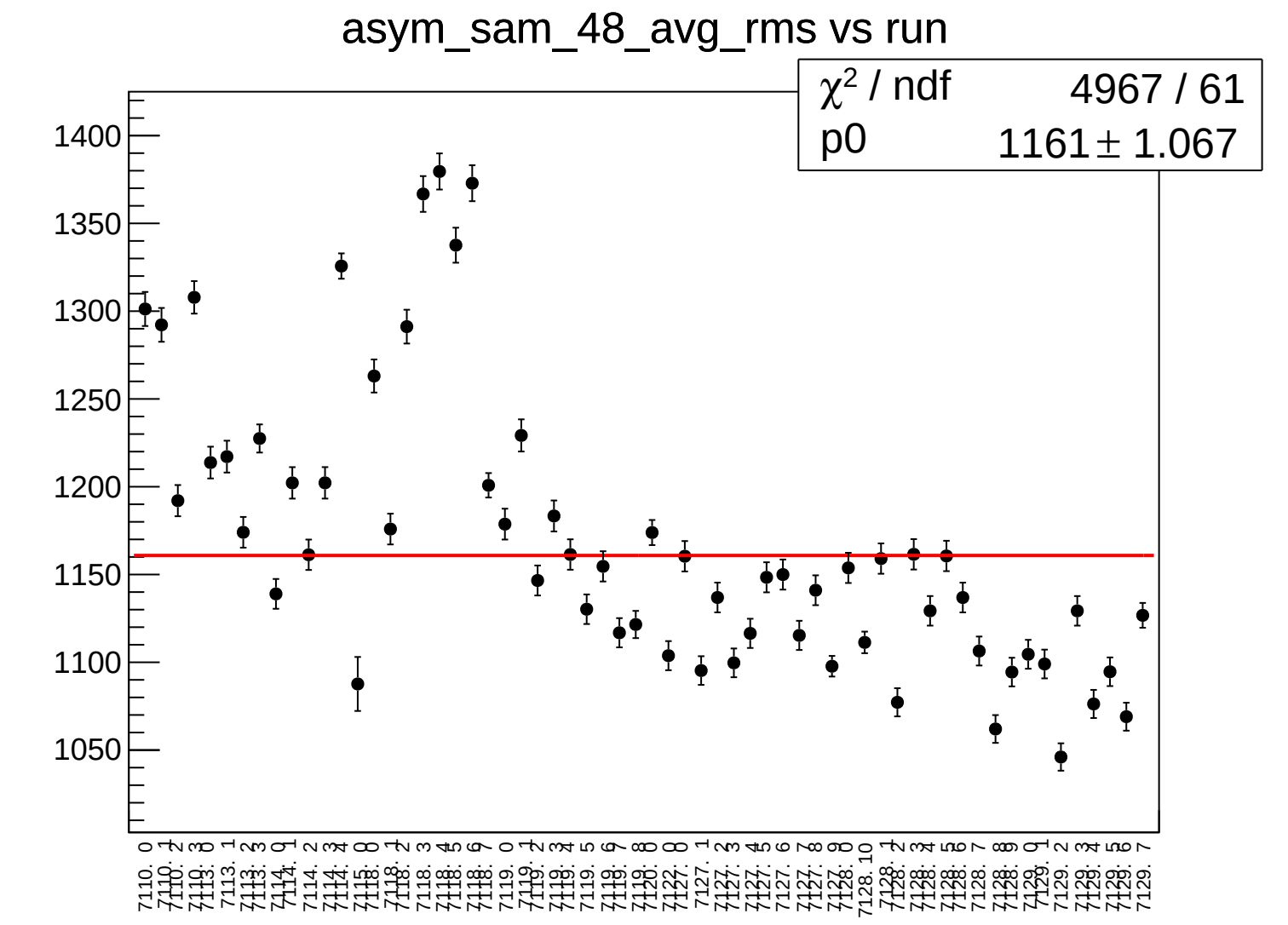

asym_sam_48_avg_correction_mean vs run
χ² / ndf 66.56 / 61
p0 −3290 ± 1519
pull
Entries 62
Mean −1667
Std Dev 1700

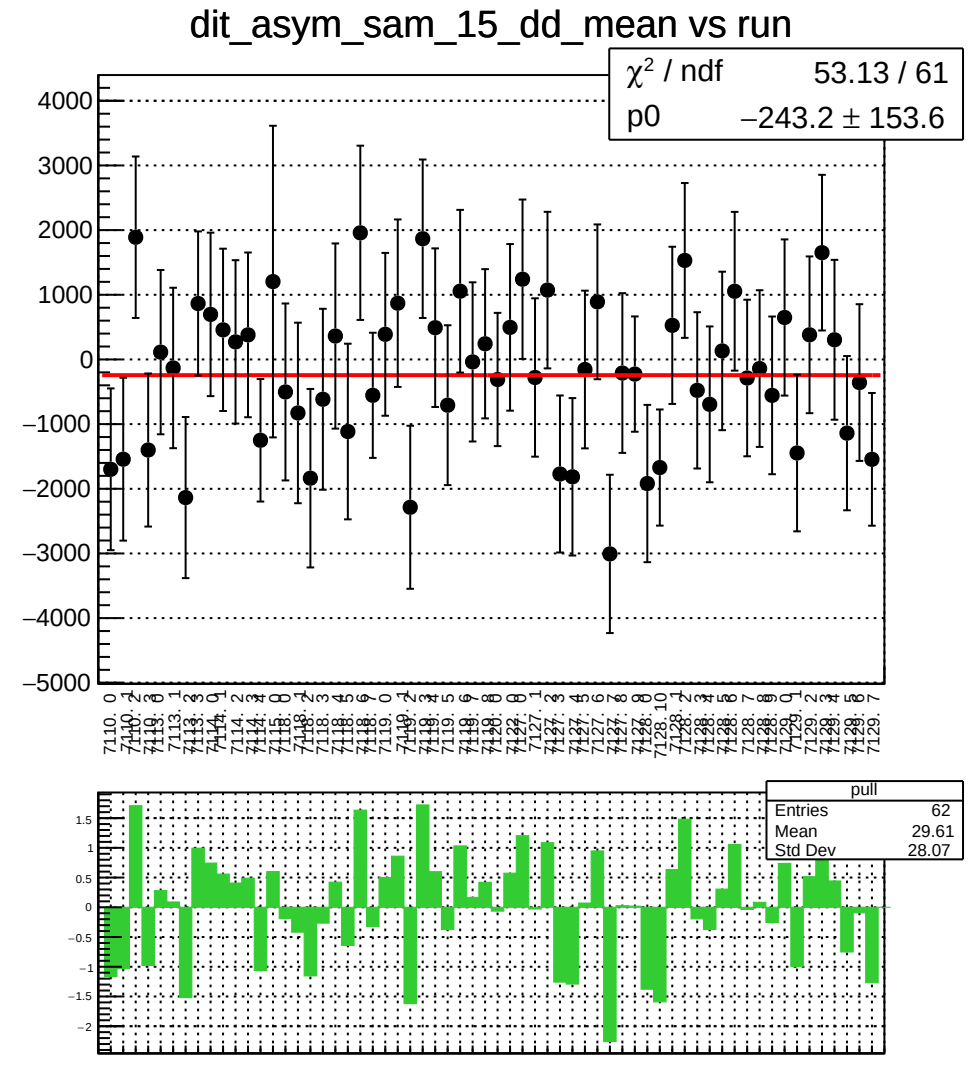

pull1D
Entries 62
Mean 0.002364
Std Dev 1.036

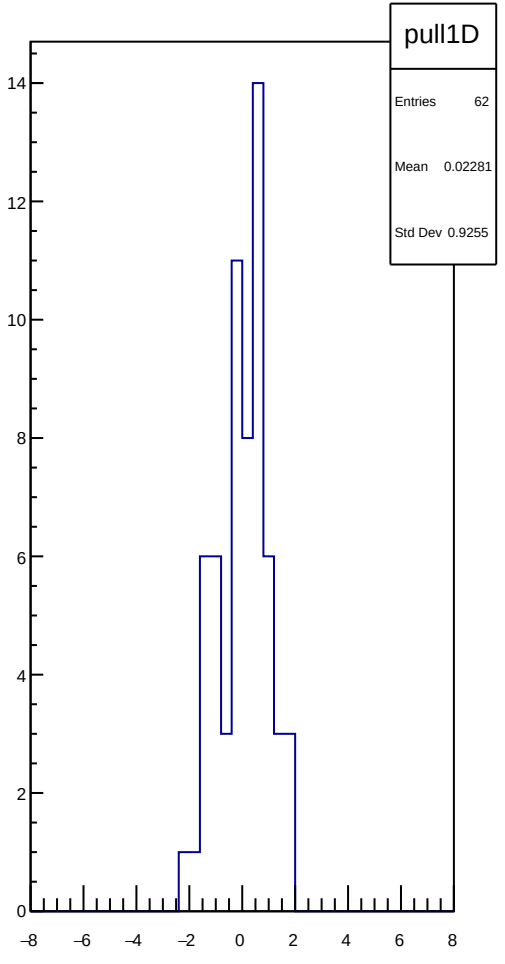

asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 5348 / 61
p0 1168 ± 1.074
1300
1250
1200
1150
1100
1050
1000
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

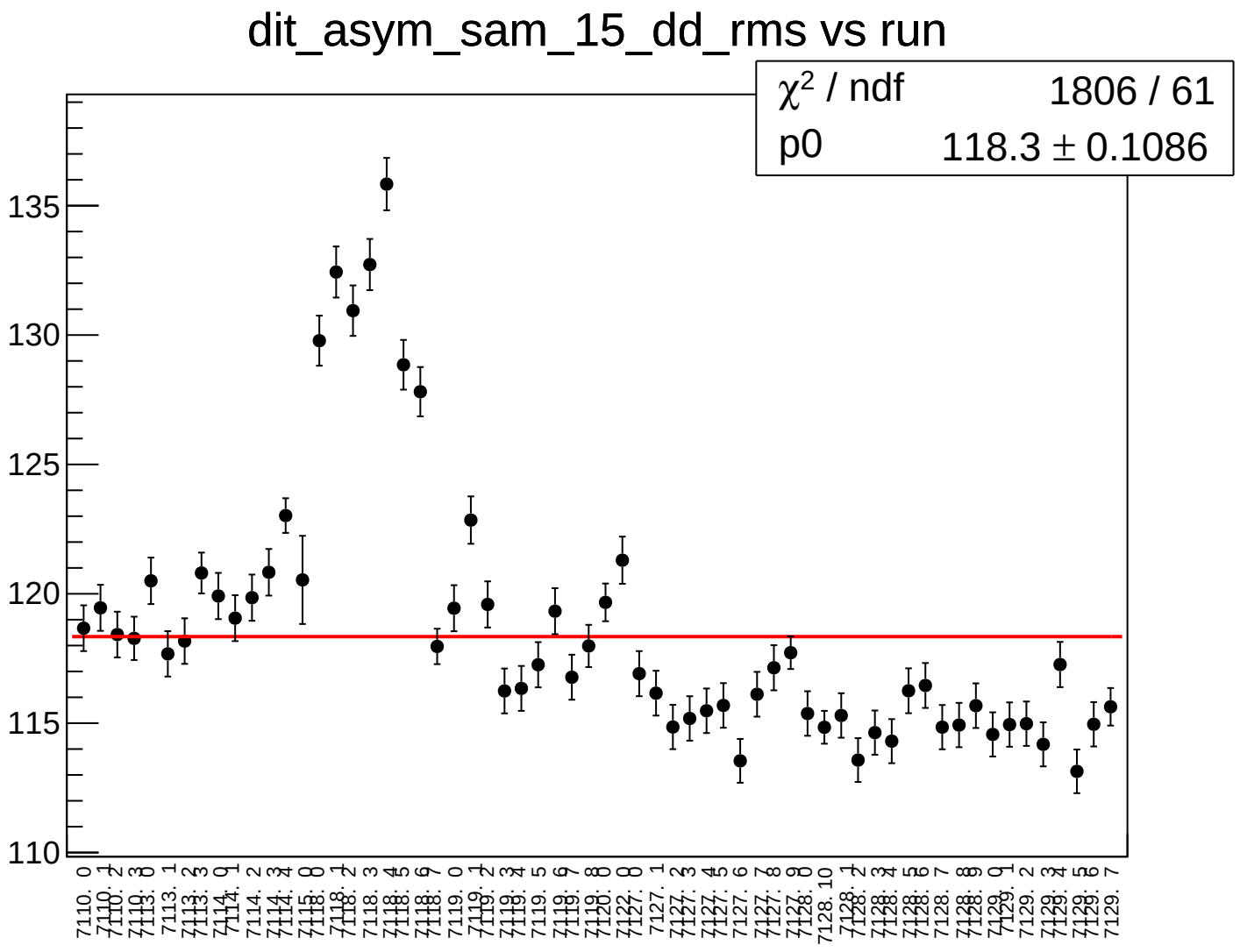

asym_sam_48_avg_mean vs run
χ² / ndf 66.42 / 61
p0 3559 ± 1509
pull
Entries 62
Mean −259.4
Std Dev 293.2

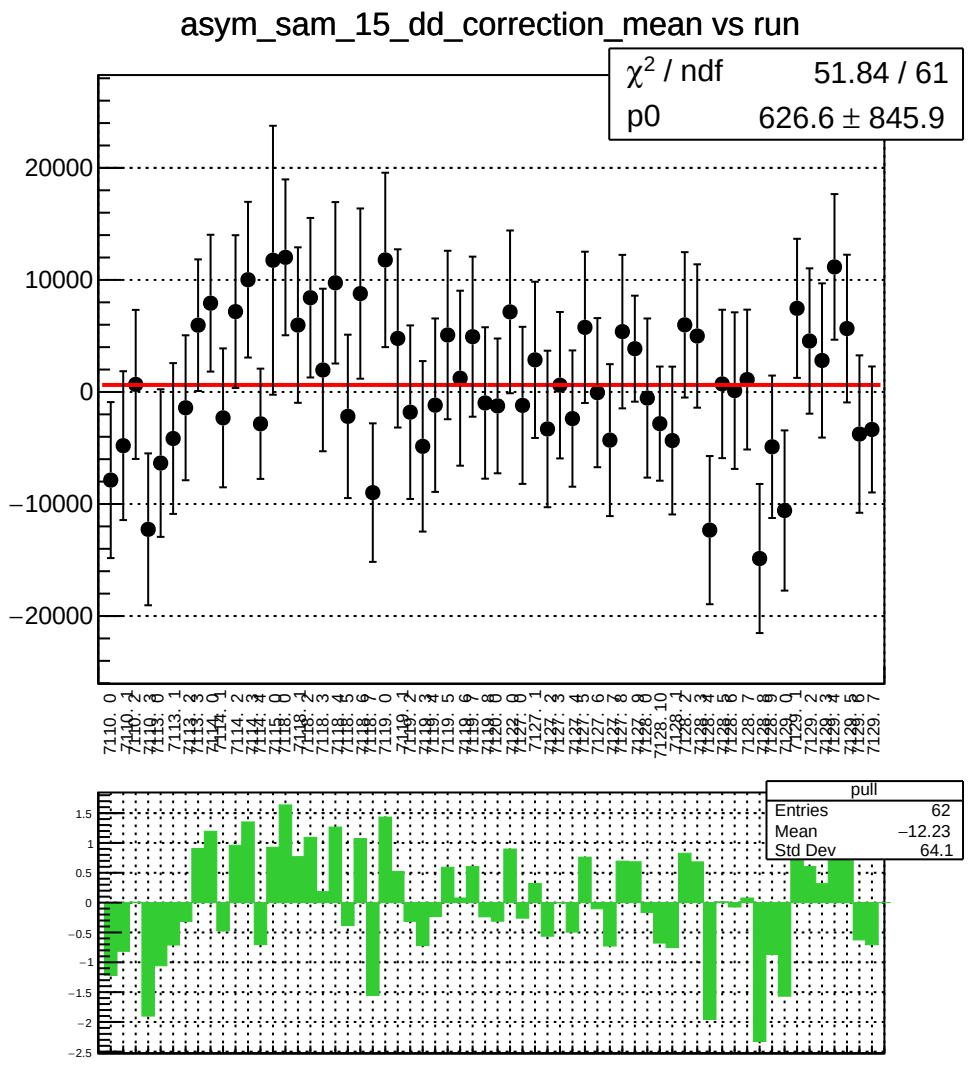

pull1D
Entries 62
Mean −0.01221
Std Dev 1.035

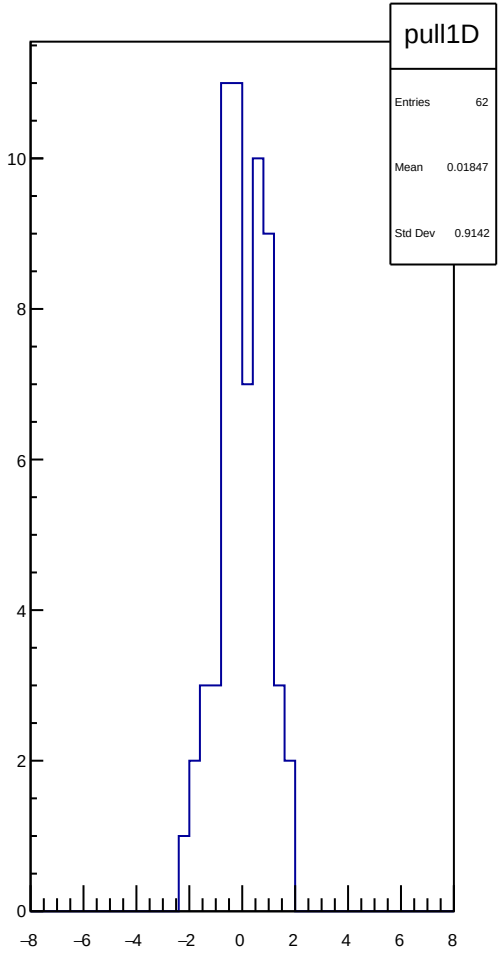

asym_sam_48_avg_rms vs run
χ² / ndf 4967 / 61
p0 1161 ± 1.067
1400
1350
1300
1250
1200
1150
1100
1050

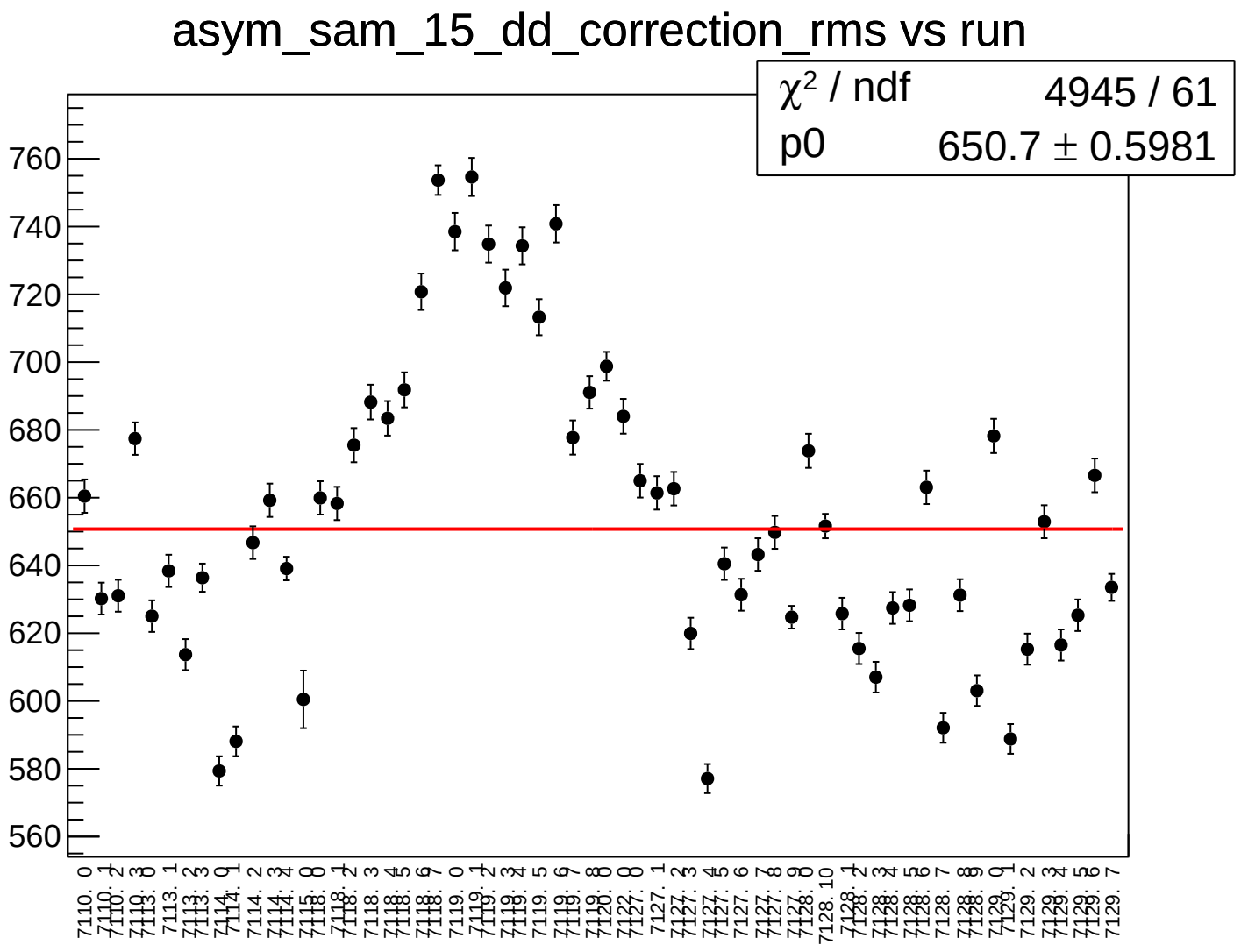

dit_asym_sam_15_dd_mean vs run
χ² / ndf 53.13 / 61
p0 −243.2 ± 153.6
pull
Entries 62
Mean 29.61
Std Dev 28.07

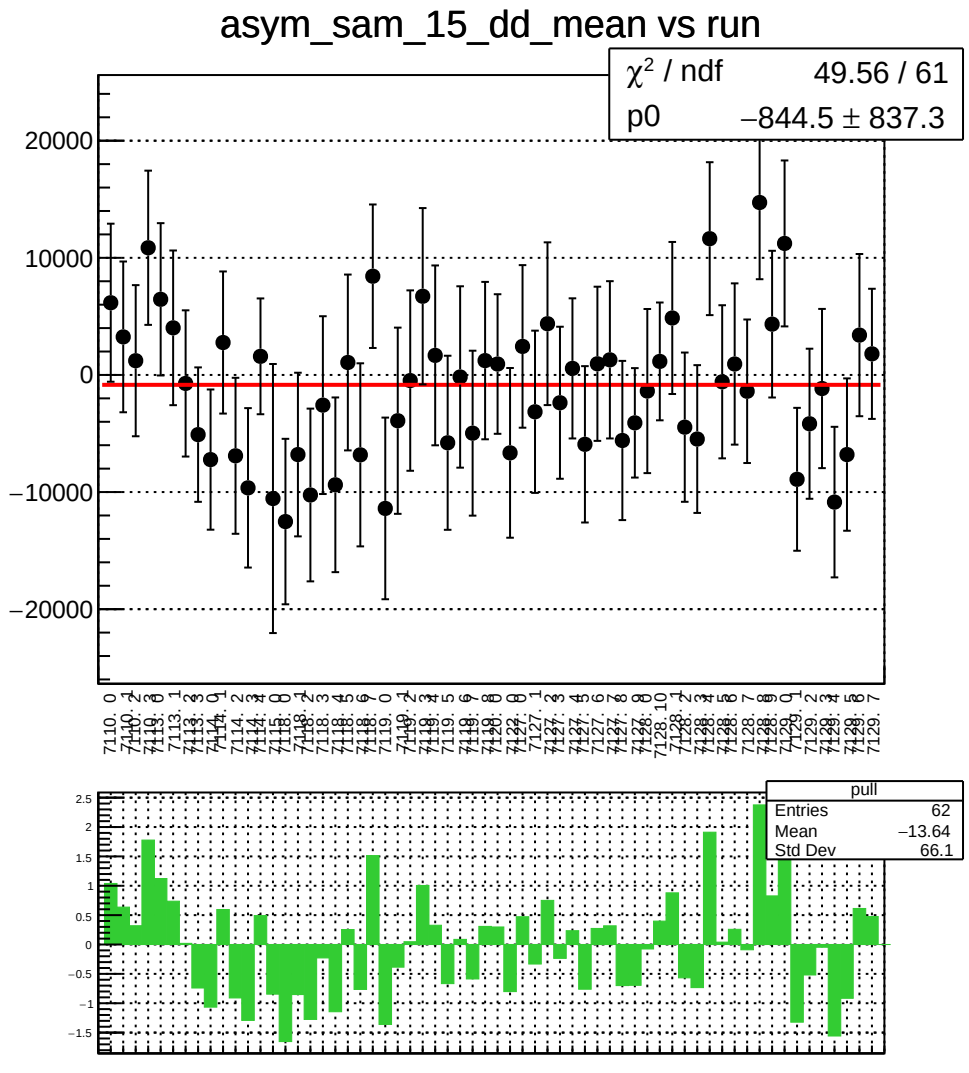

pull1D
Entries 62
Mean 0.02281
Std Dev 0.9255

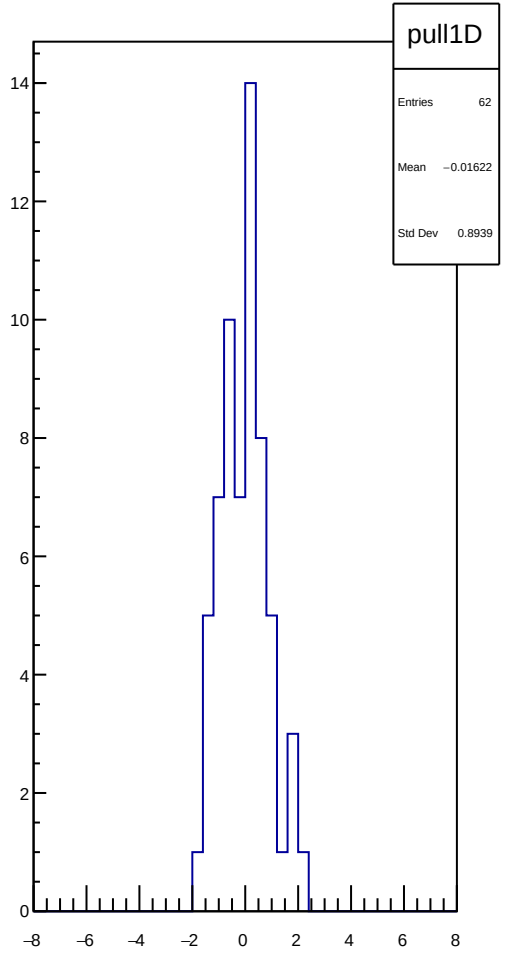

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1806 / 61
p0 118.3 ± 0.1086
135
130
125
120
115
110

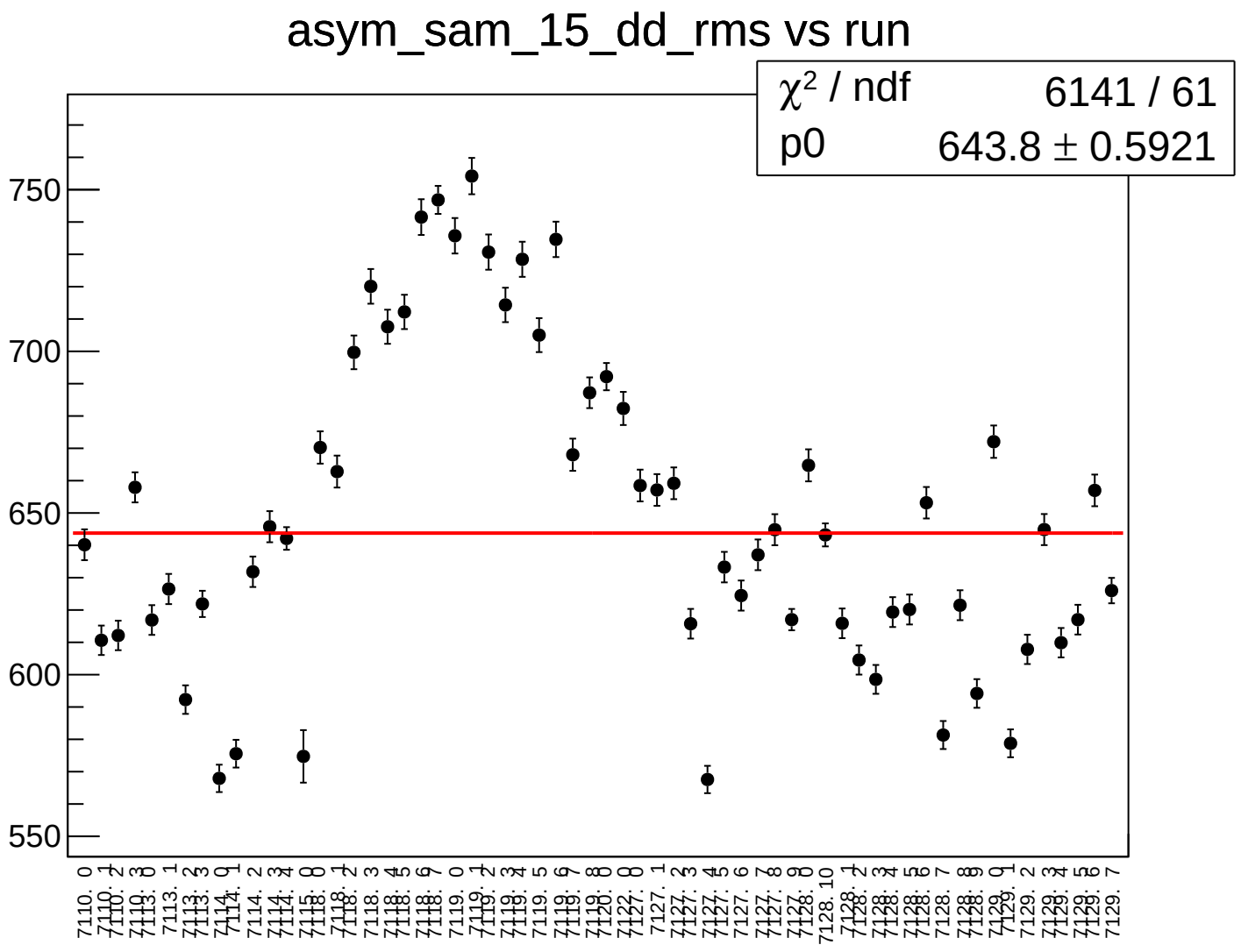

asym_sam_15_dd_correction_mean vs run
χ² / ndf 51.84 / 61
p0 626.6 ± 845.9
20000
10000
0
−10000
−20000
pull
Entries 62
Mean −12.23
Std Dev 64.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

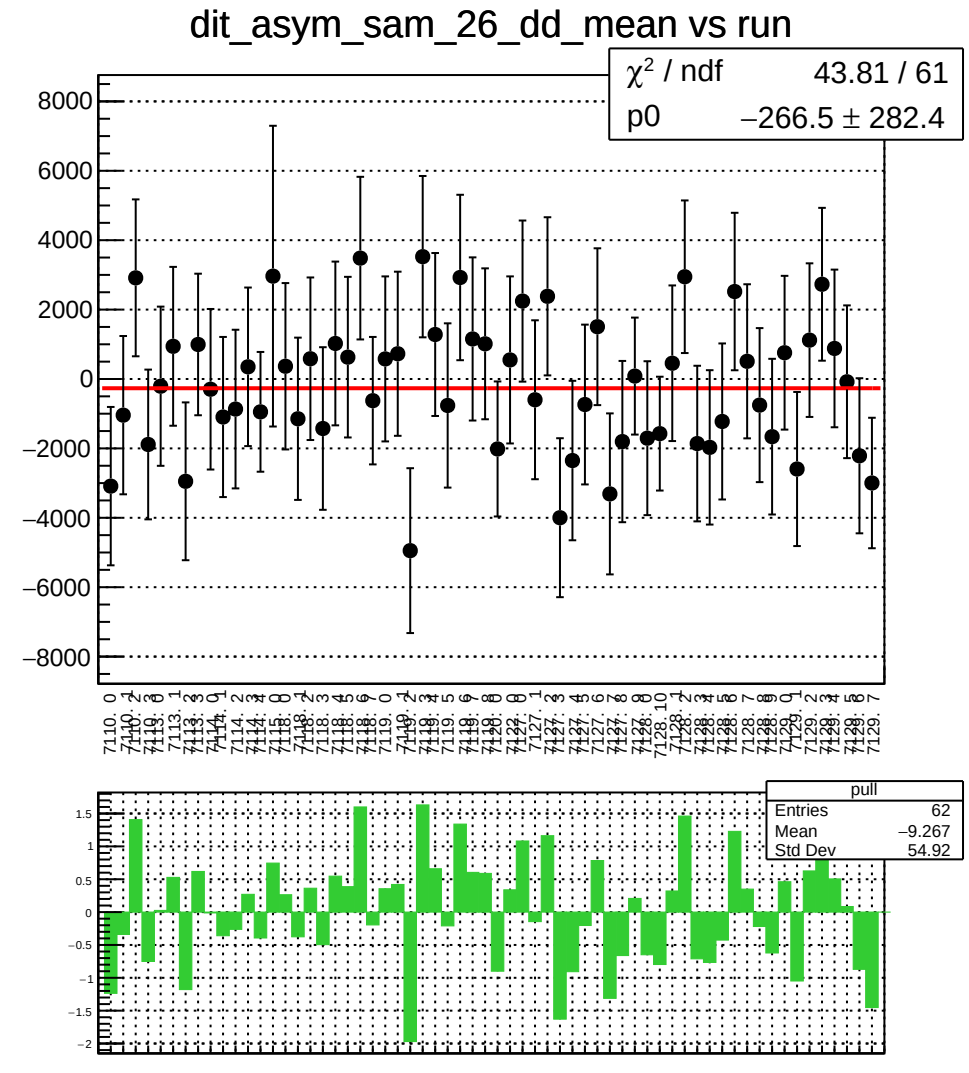

pull1D
Entries 62
Mean 0.01847
Std Dev 0.9142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

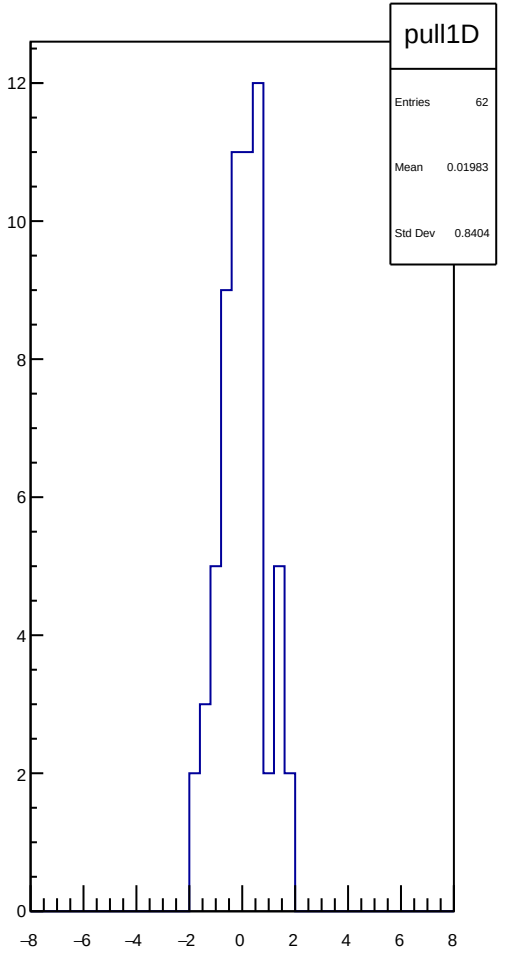

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4945 / 61
p0 650.7 ± 0.5981
760
740
720
700
680
660
640
620
600
580
560

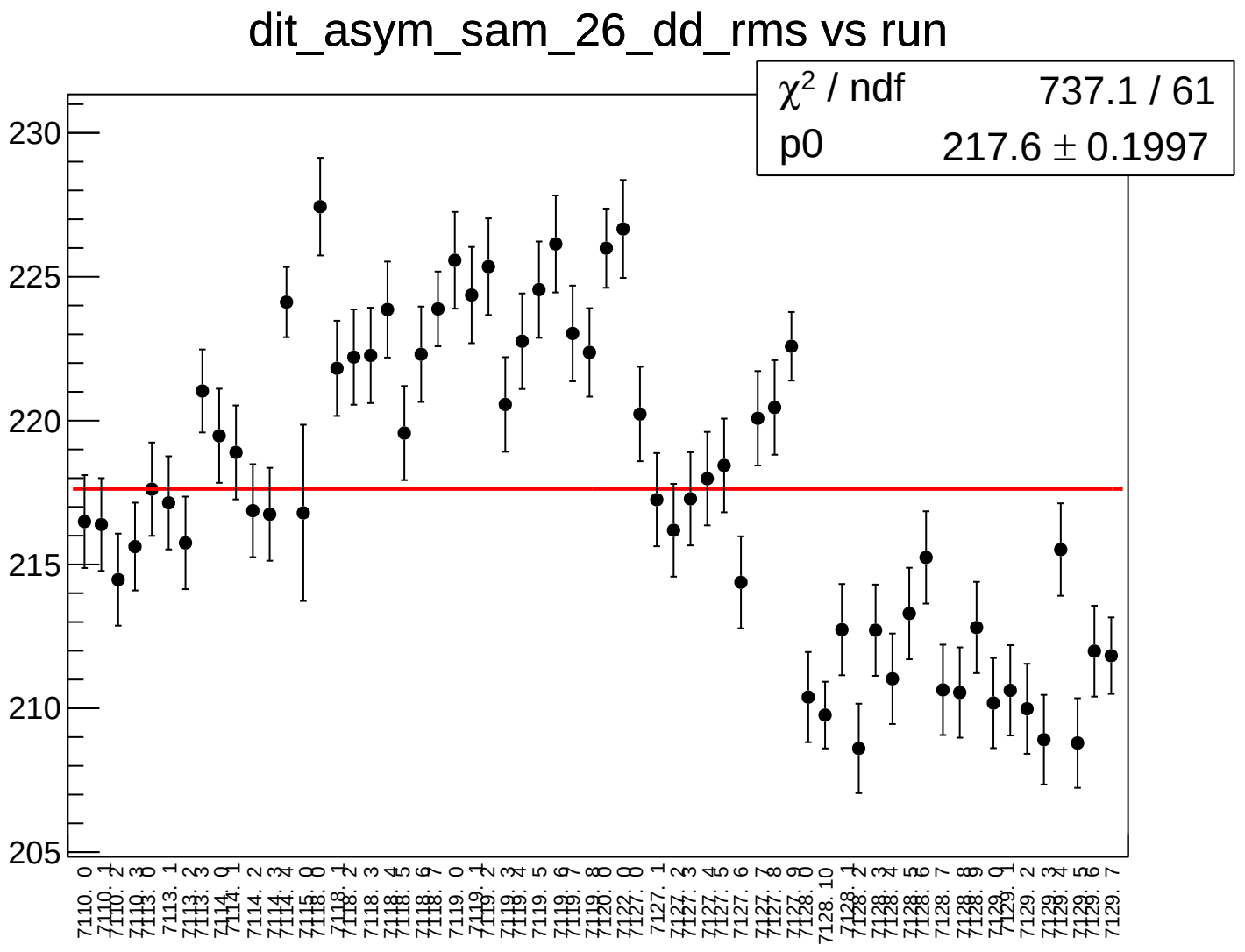

asym_sam_15_dd_mean vs run
χ² / ndf 49.56 / 61
p0 −844.5 ± 837.3
20000
10000
0
−10000
−20000
pull
Entries 62
Mean −13.64
Std Dev 66.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

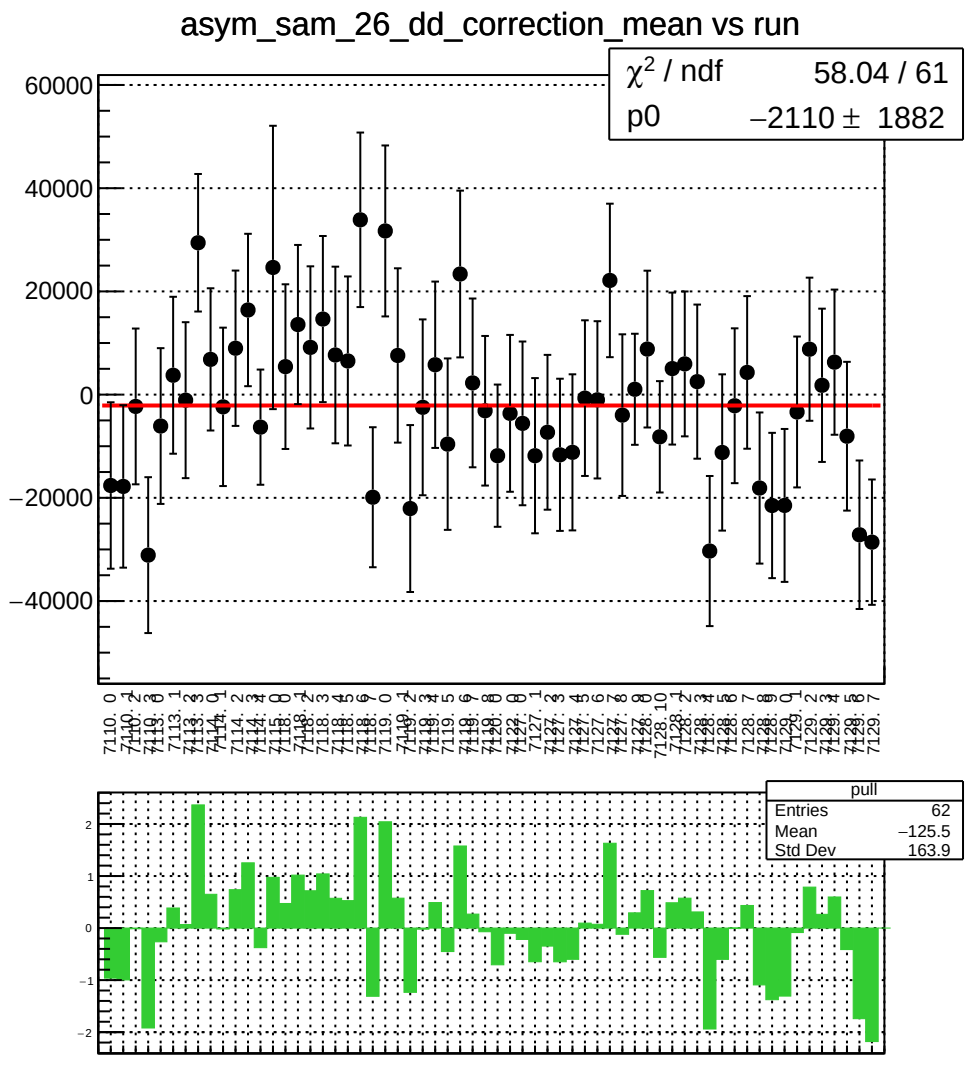

pull1D
Entries 62
Mean −0.01622
Std Dev 0.8939
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

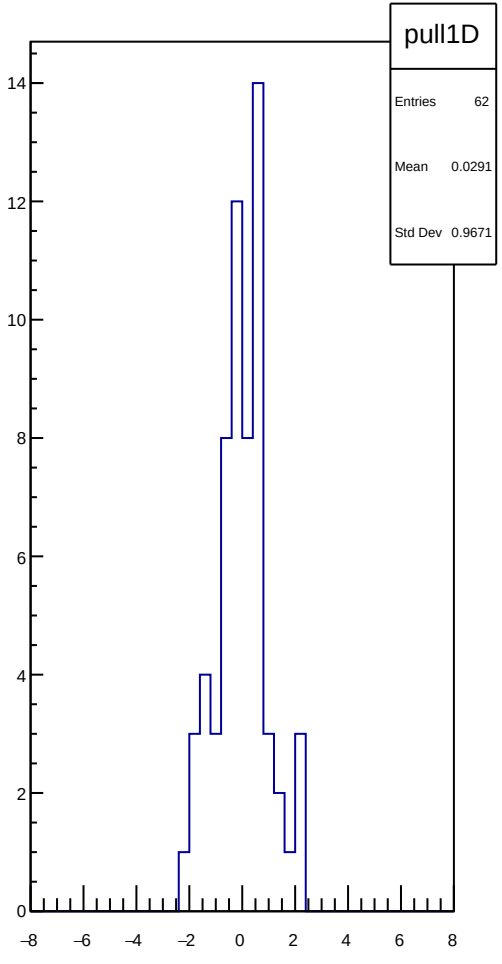

asym_sam_15_dd_rms vs run
χ² / ndf 6141 / 61
p0 643.8 ± 0.5921
750
700
650
600
550

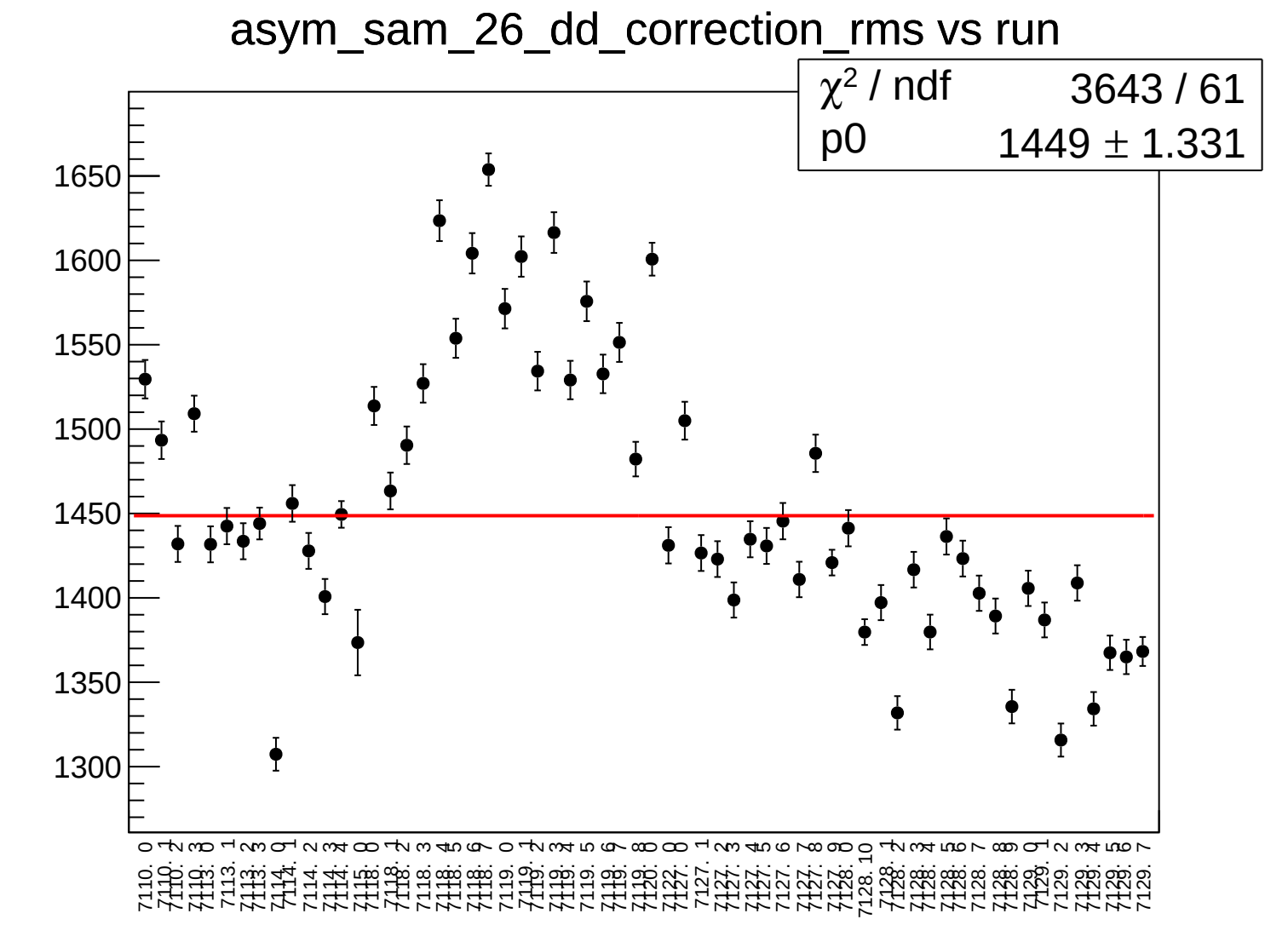

dit_asym_sam_26_dd_mean vs run
χ² / ndf 43.81 / 61
p0 −266.5 ± 282.4
pull
Entries 62
Mean −9.267
Std Dev 54.92

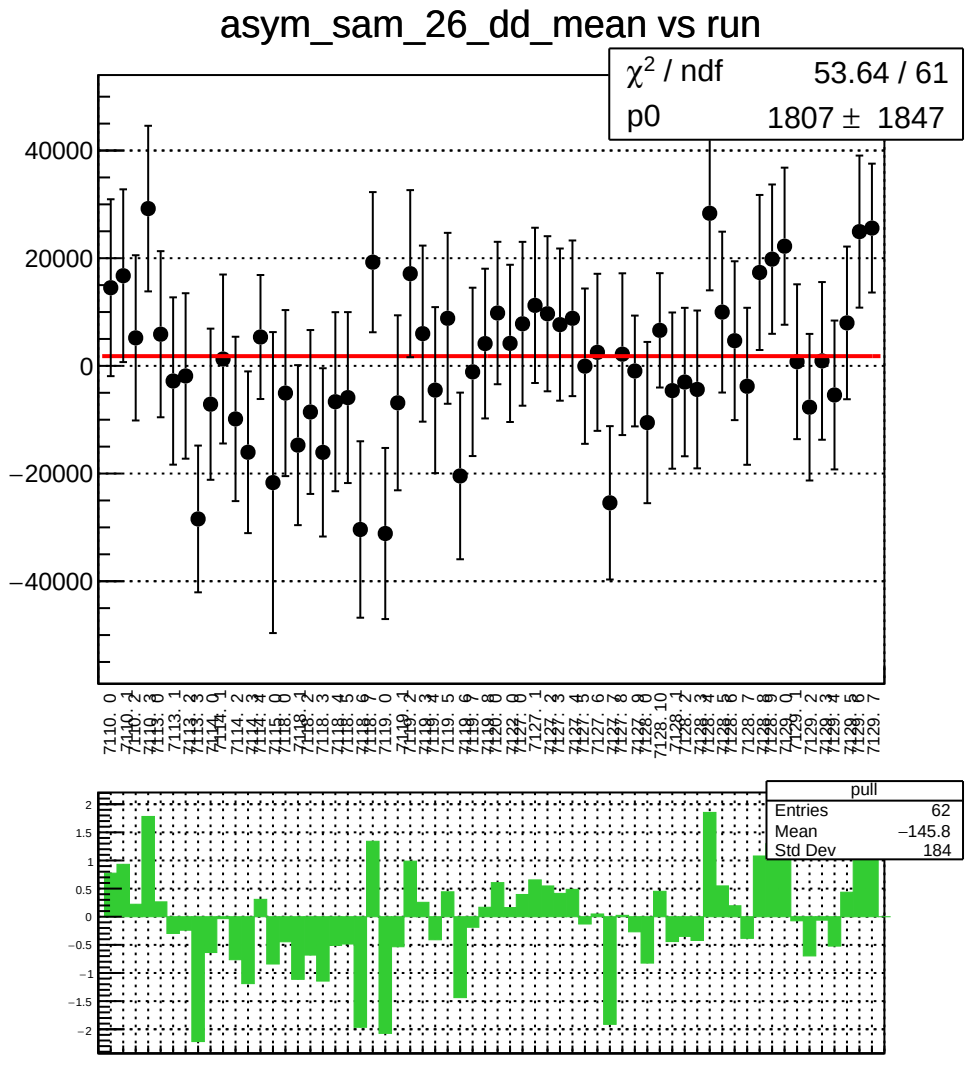

pull1D
Entries 62
Mean 0.01983
Std Dev 0.8404

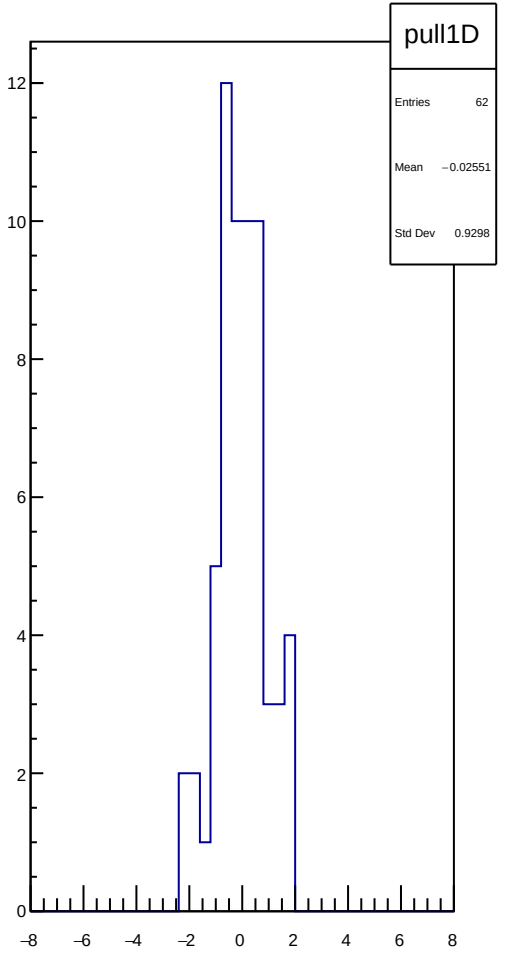

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 737.1 / 61
p0 217.6 ± 0.1997
230
225
220
215
210
205

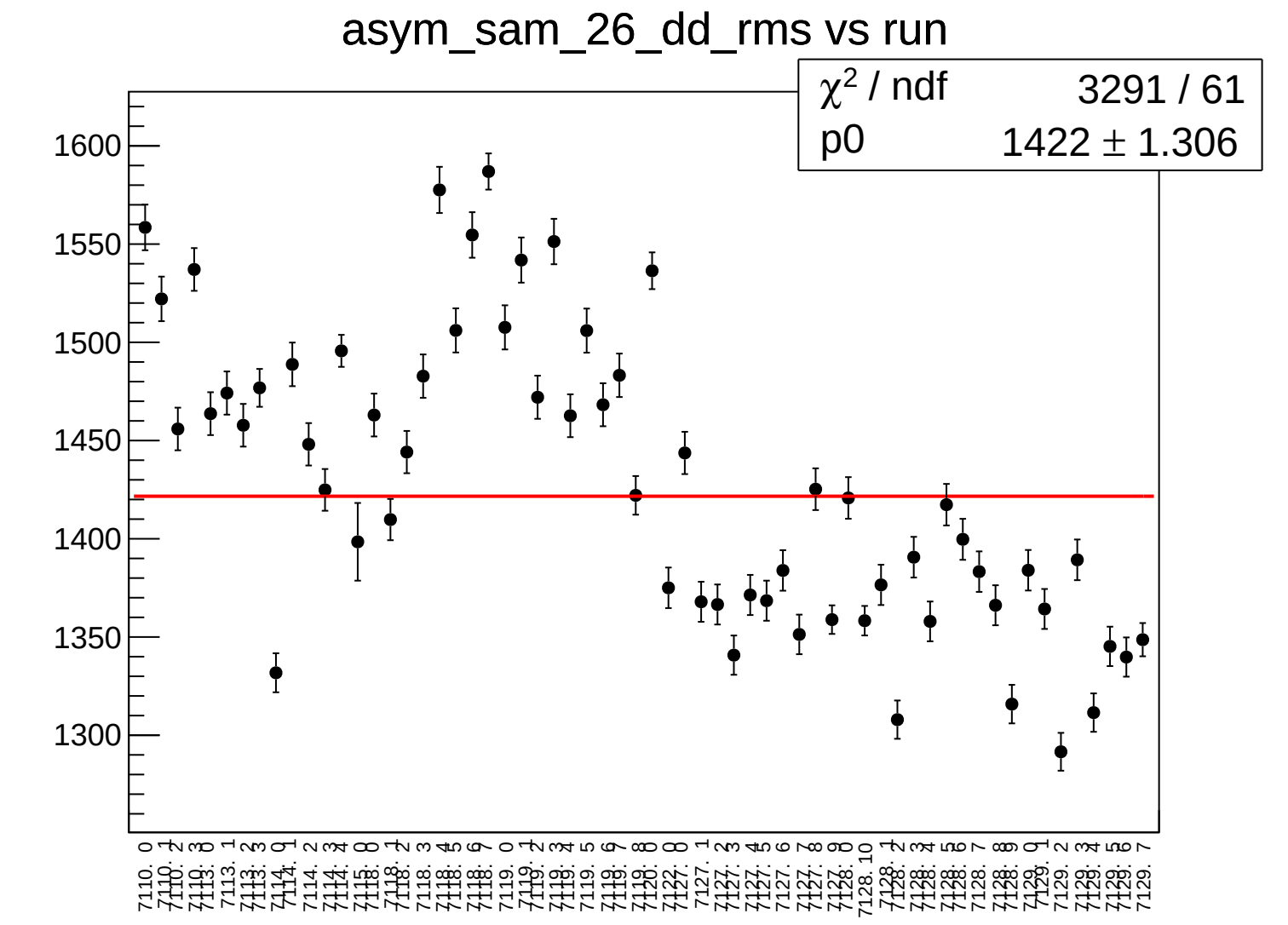

asym_sam_26_dd_correction_mean vs run
χ² / ndf 58.04 / 61
p0 −2110 ± 1882
60000
40000
20000
0
−20000
−40000
pull
Entries 62
Mean −125.5
Std Dev 163.9
2
1
0
−1
−2

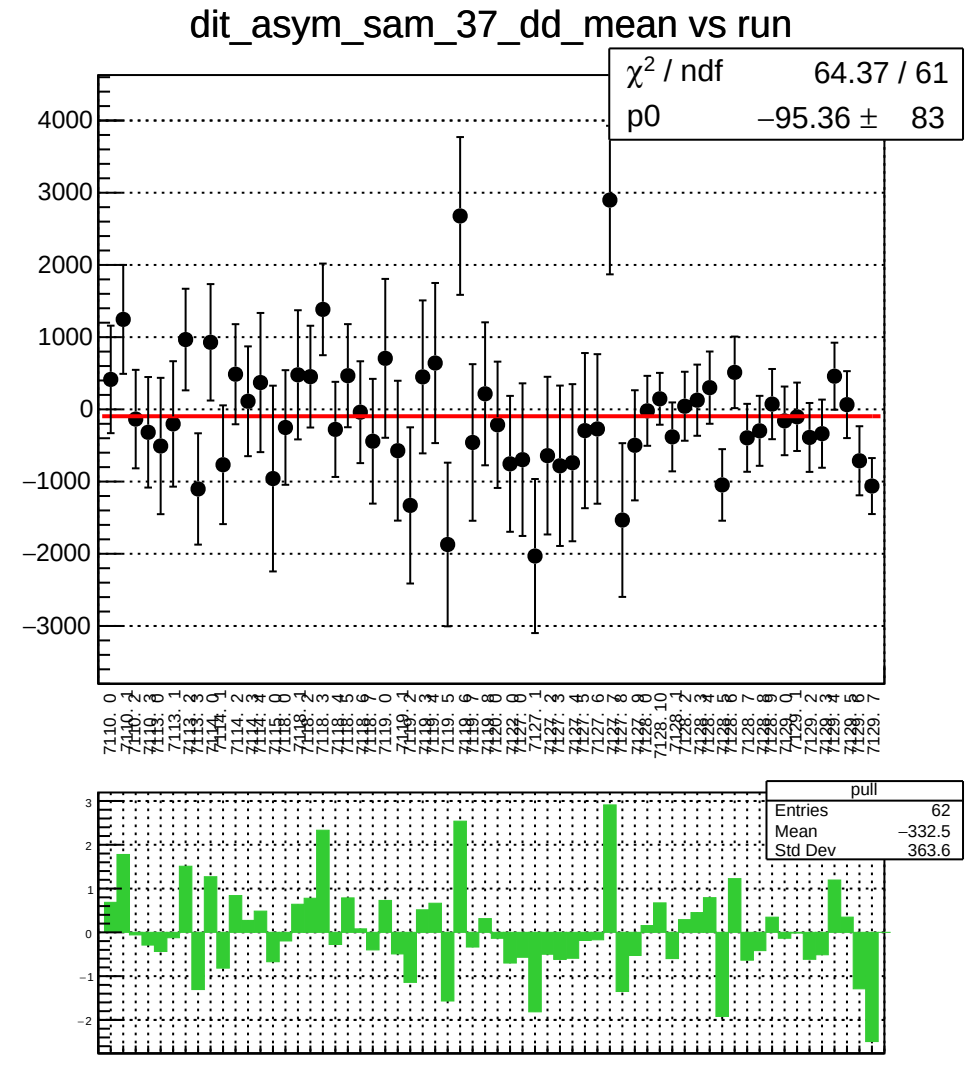

pull1D
Entries 62
Mean 0.0291
Std Dev 0.9671
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

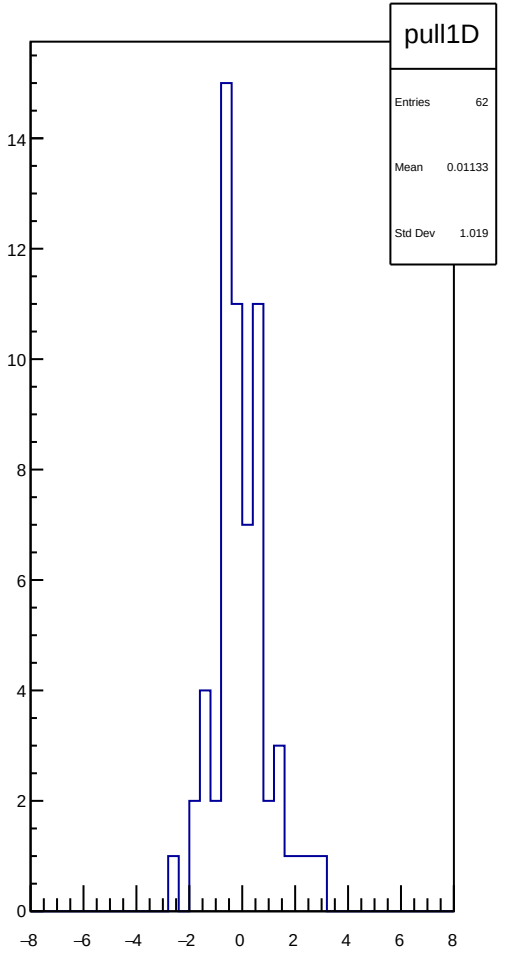

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3643 / 61
p0 1449 ± 1.331
1650
1600
1550
1500
1450
1400
1350
1300
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

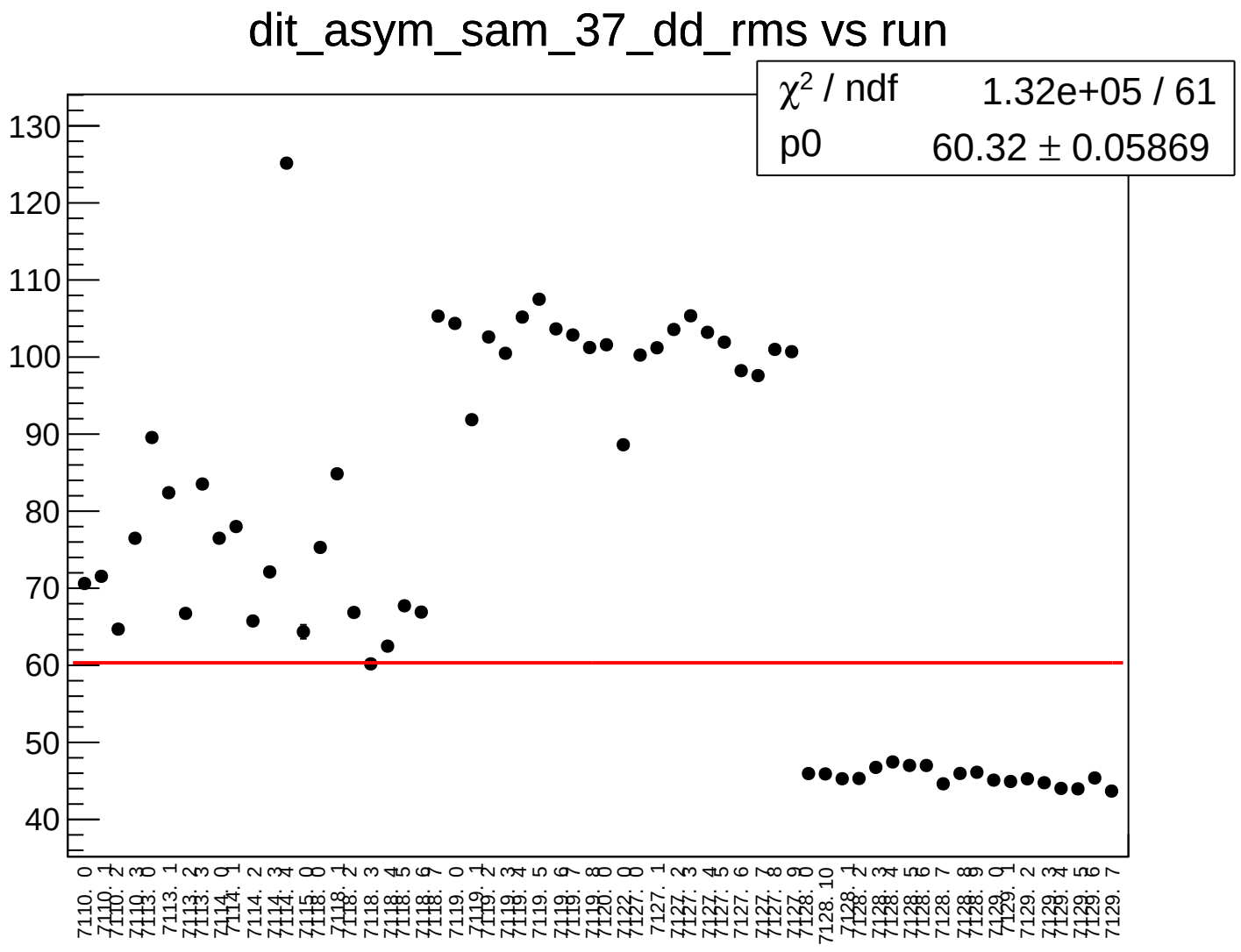

asym_sam_26_dd_mean vs run
χ² / ndf 53.64 / 61
p0 1807 ± 1847
40000
20000
0
−20000
−40000
pull
Entries 62
Mean −145.8
Std Dev 184
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

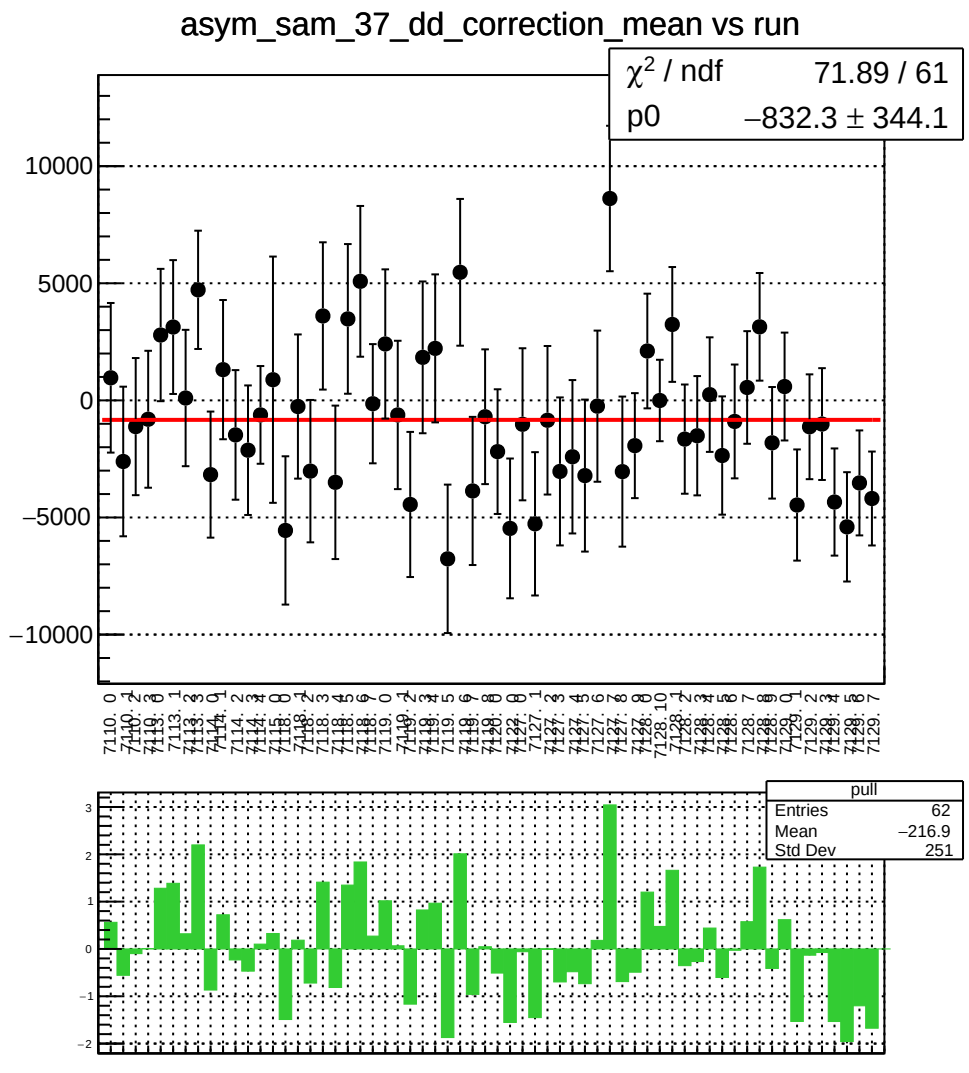

pull1D
Entries 62
Mean −0.02551
Std Dev 0.9298
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

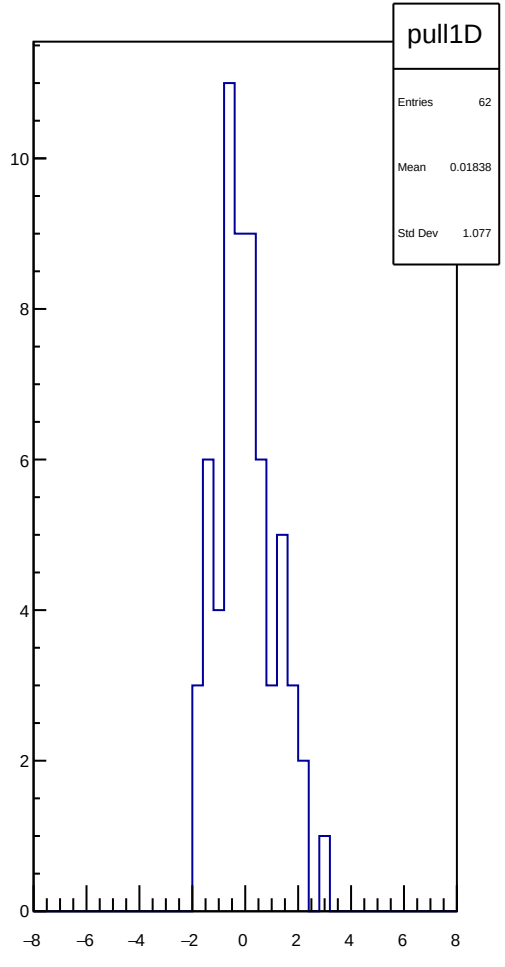

asym_sam_26_dd_rms vs run
χ² / ndf 3291 / 61
p0 1422 ± 1.306
1600
1550
1500
1450
1400
1350
1300

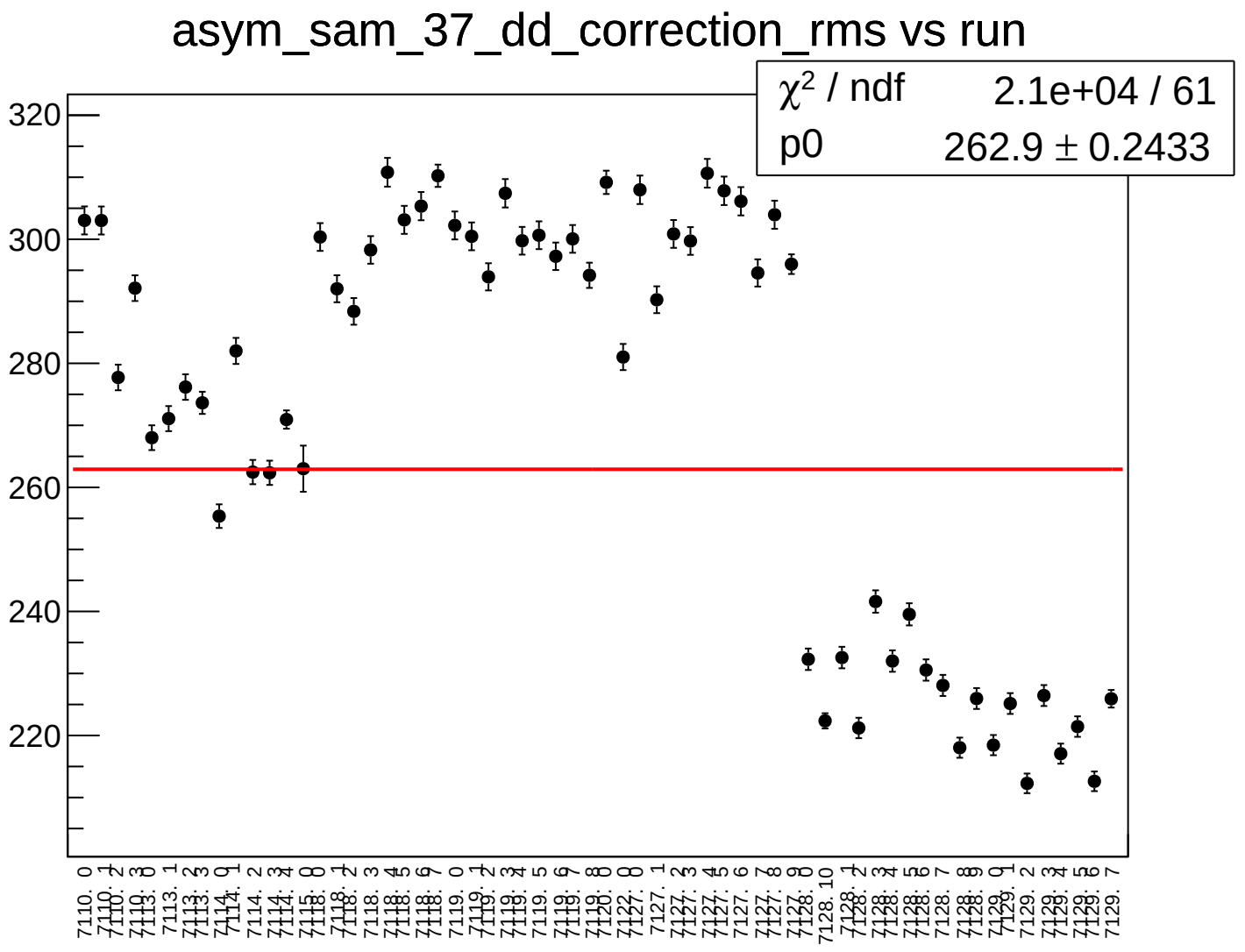

dit_asym_sam_37_dd_mean vs run
χ² / ndf 64.37 / 61
p0 −95.36 ± 83
pull
Entries 62
Mean −332.5
Std Dev 363.6

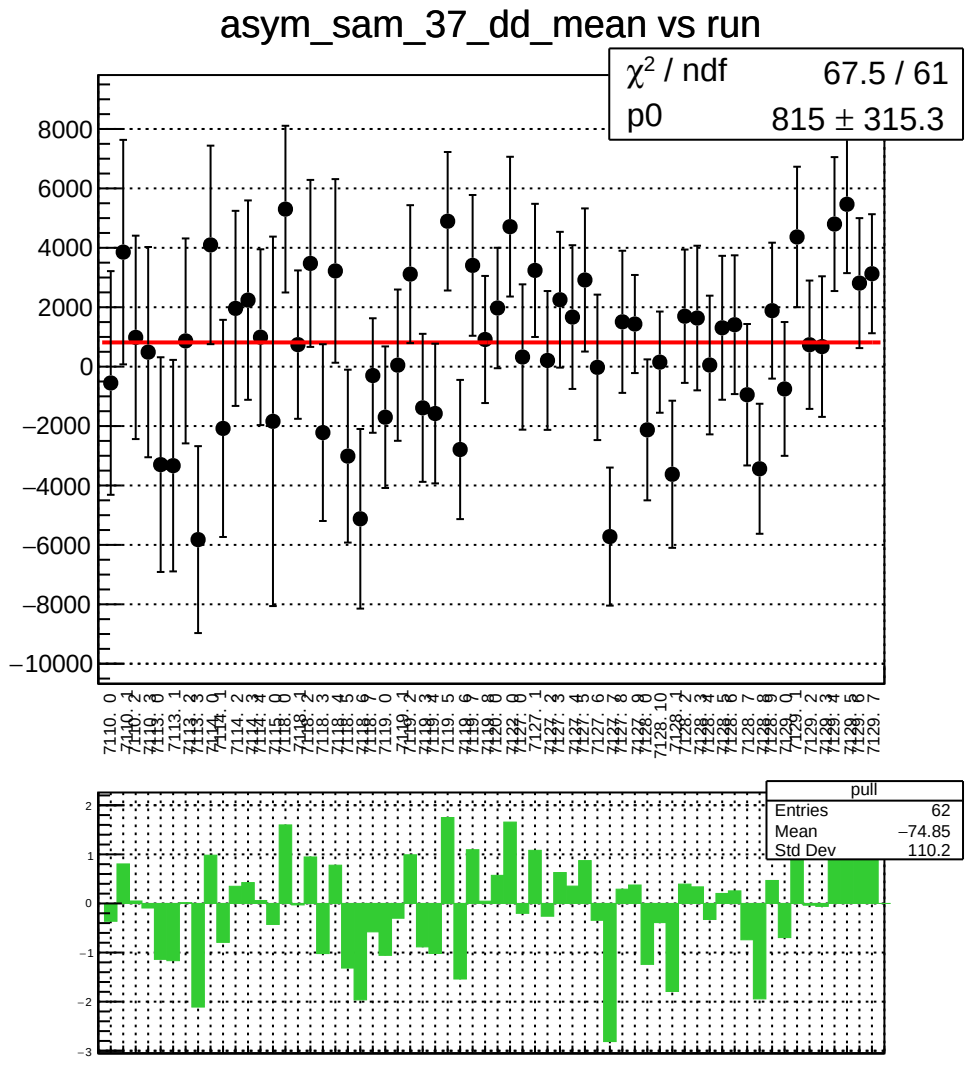

pull1D
Entries 62
Mean 0.01133
Std Dev 1.019

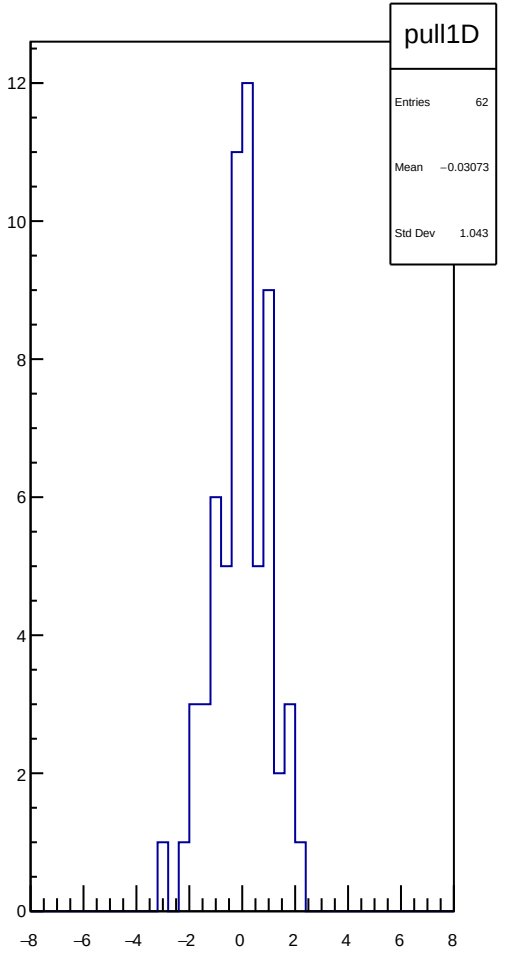

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.32e+05 / 61
p0 60.32 ± 0.05869
130
120
110
100
90
80
70
60
50
40

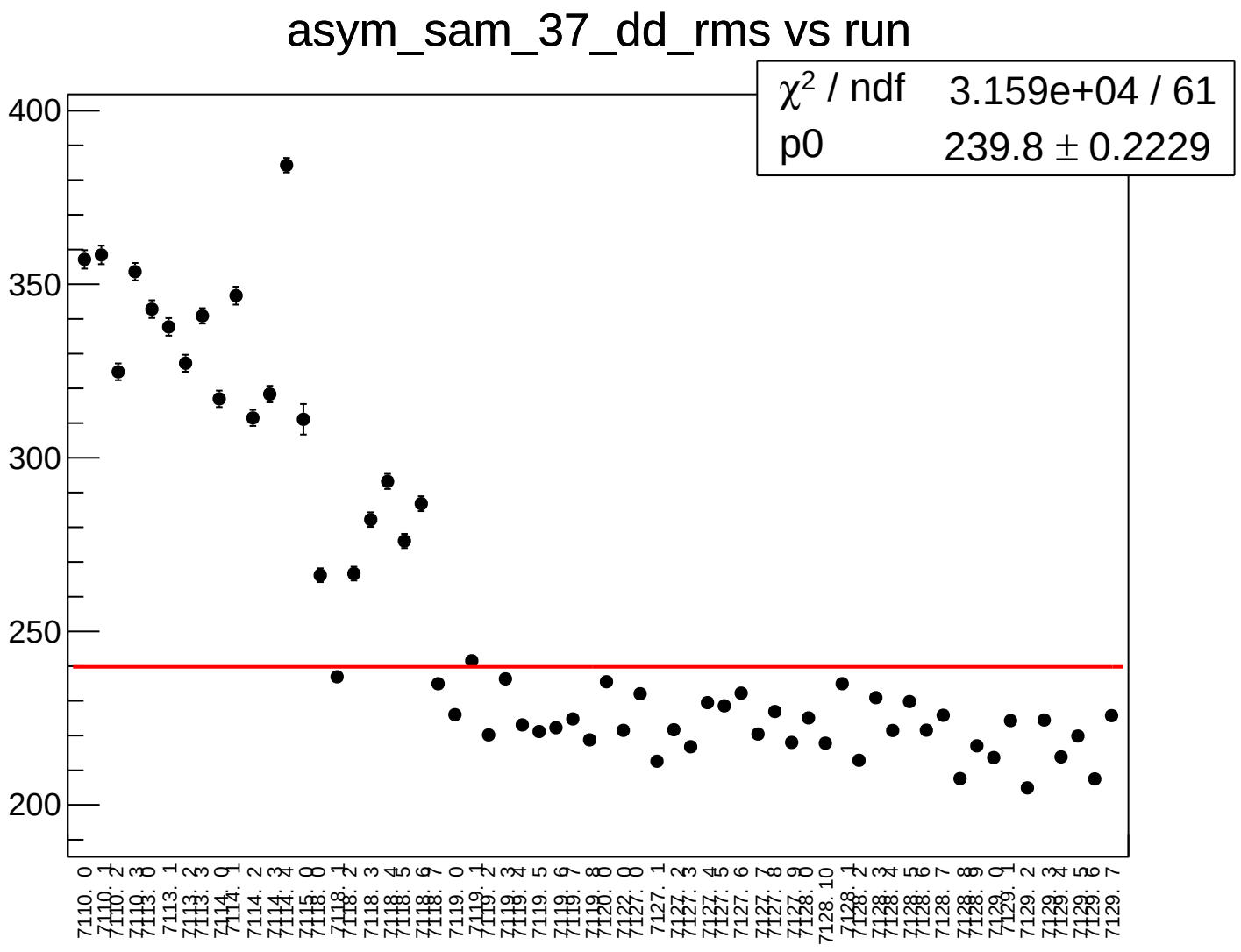

asym_sam_37_dd_correction_mean vs run
χ² / ndf 71.89 / 61
p0 −832.3 ± 344.1
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −216.9
Std Dev 251
3
2
1
0
−1
−2

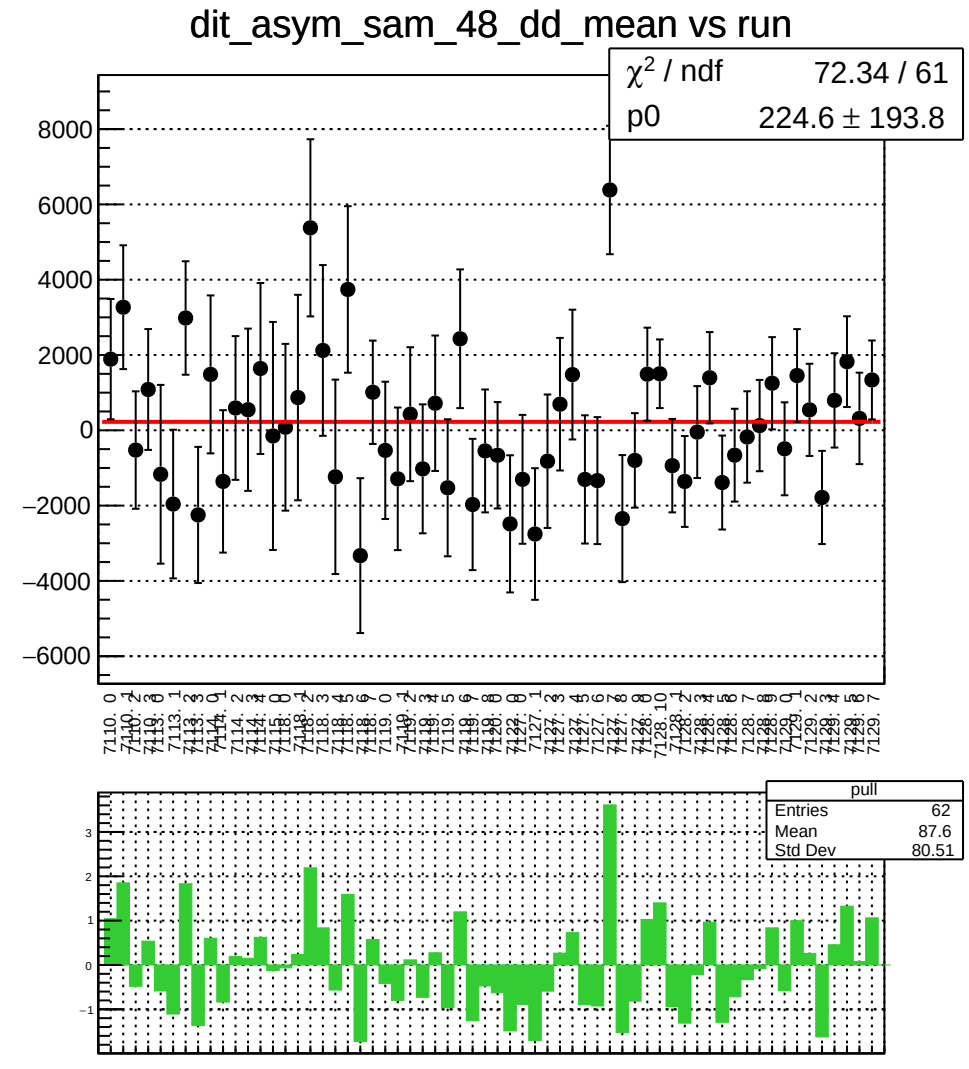

pull1D
Entries 62
Mean 0.01838
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

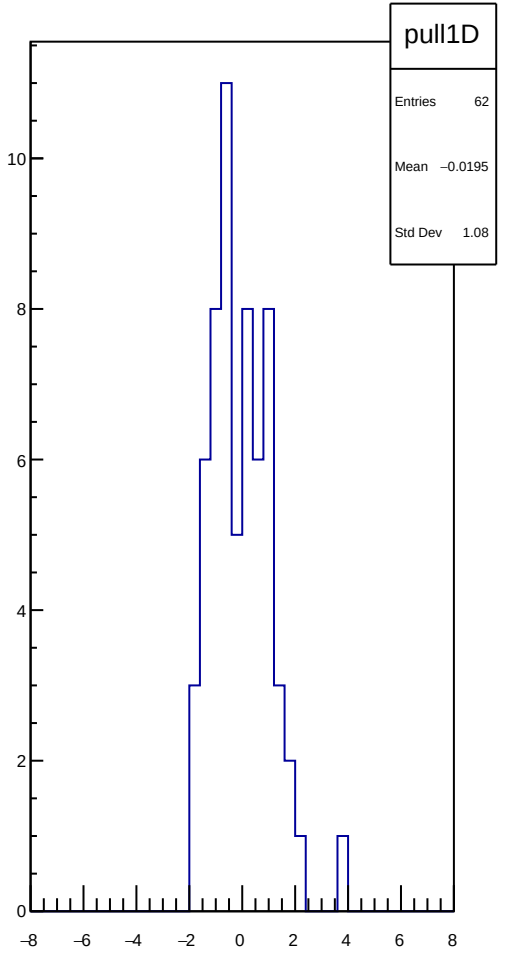

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2.1e+04 / 61
p0 262.9 ± 0.2433
320
300
280
260
240
220

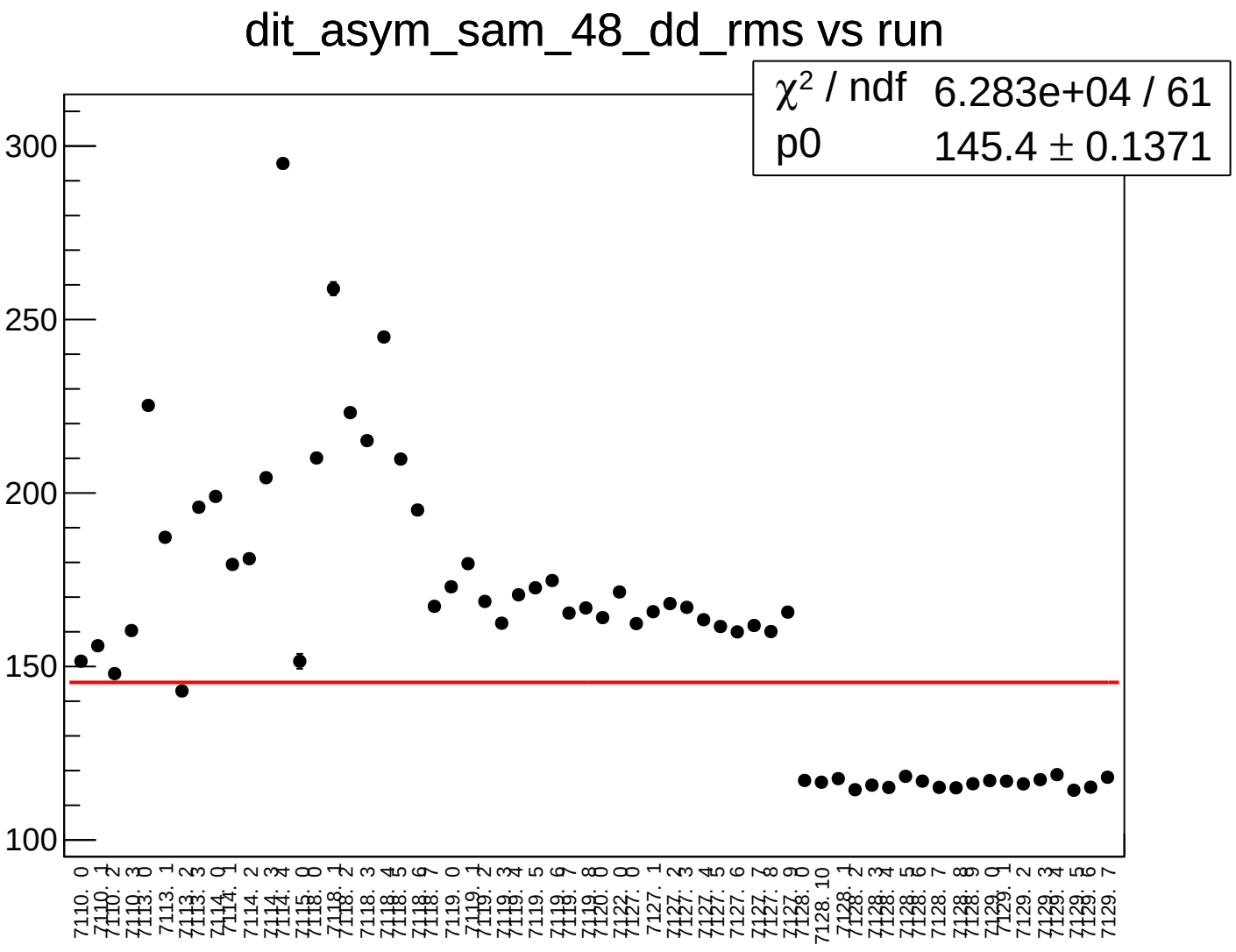

asym_sam_37_dd_mean vs run
χ² / ndf 67.5 / 61
p0 815 ± 315.3
pull
Entries 62
Mean −74.85
Std Dev 110.2

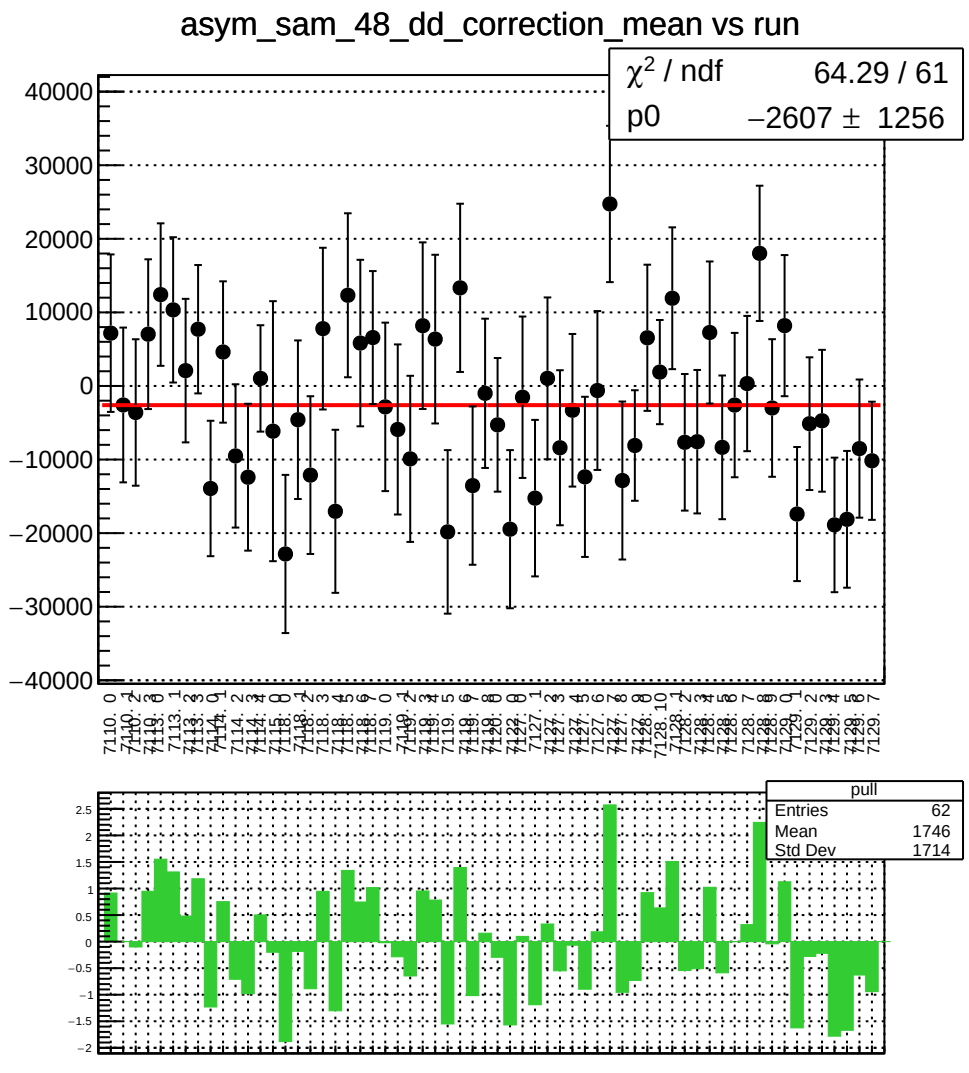

pull1D
Entries 62
Mean −0.03073
Std Dev 1.043

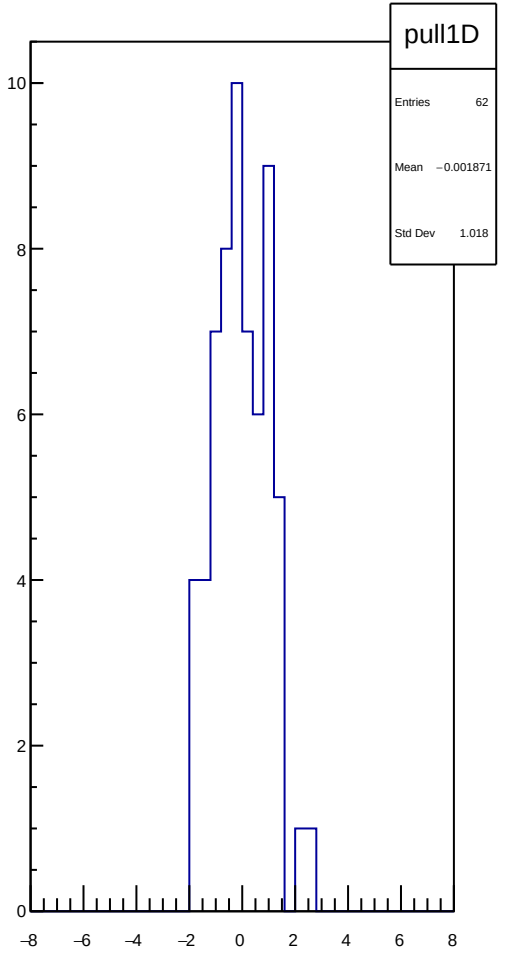

asym_sam_37_dd_rms vs run
χ² / ndf 3.159e+04 / 61
p0 239.8 ± 0.2229
400
350
300
250
200
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

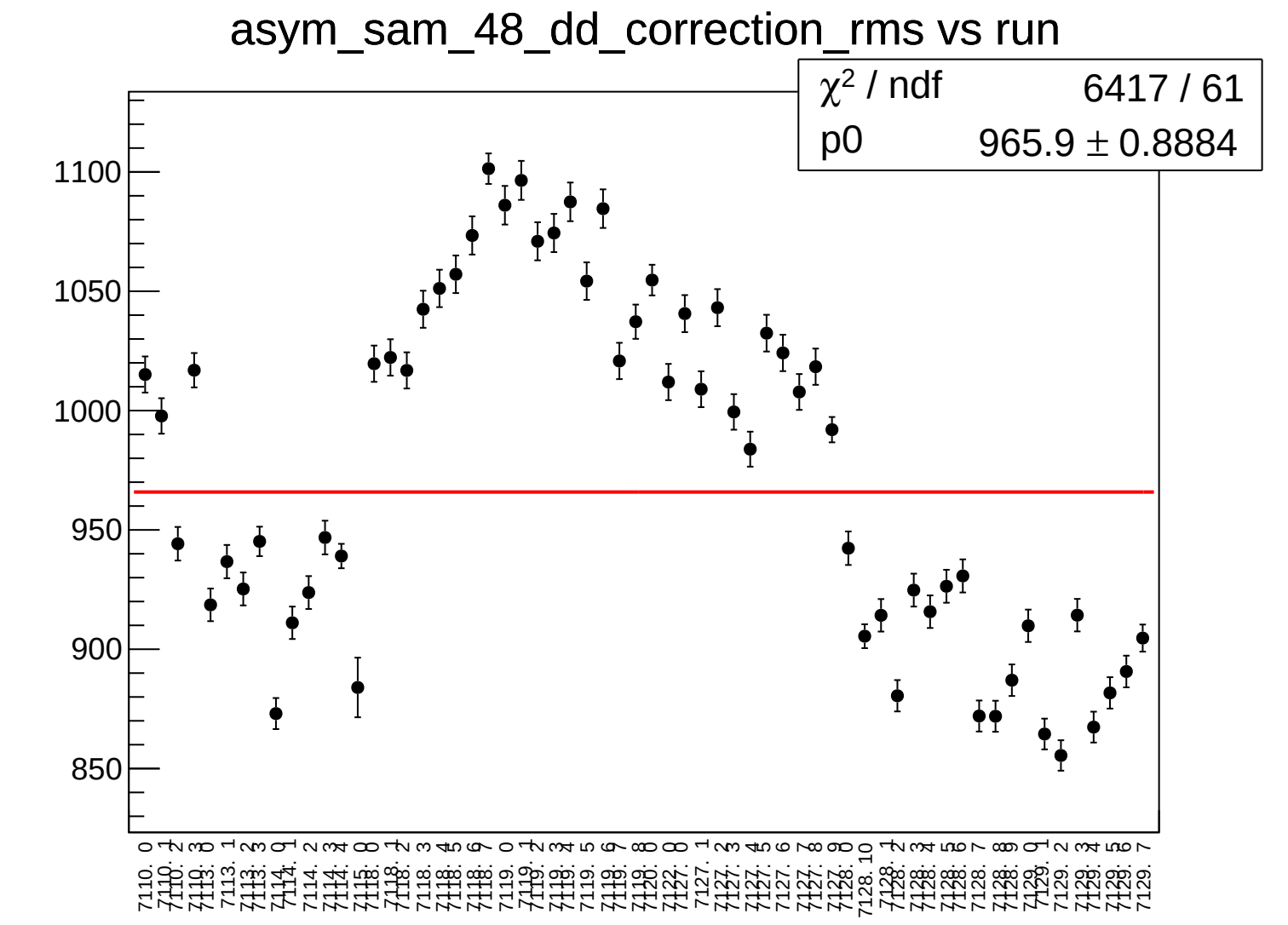

dit_asym_sam_48_dd_mean vs run
χ² / ndf 72.34 / 61
p0 224.6 ± 193.8
pull
Entries 62
Mean 87.6
Std Dev 80.51

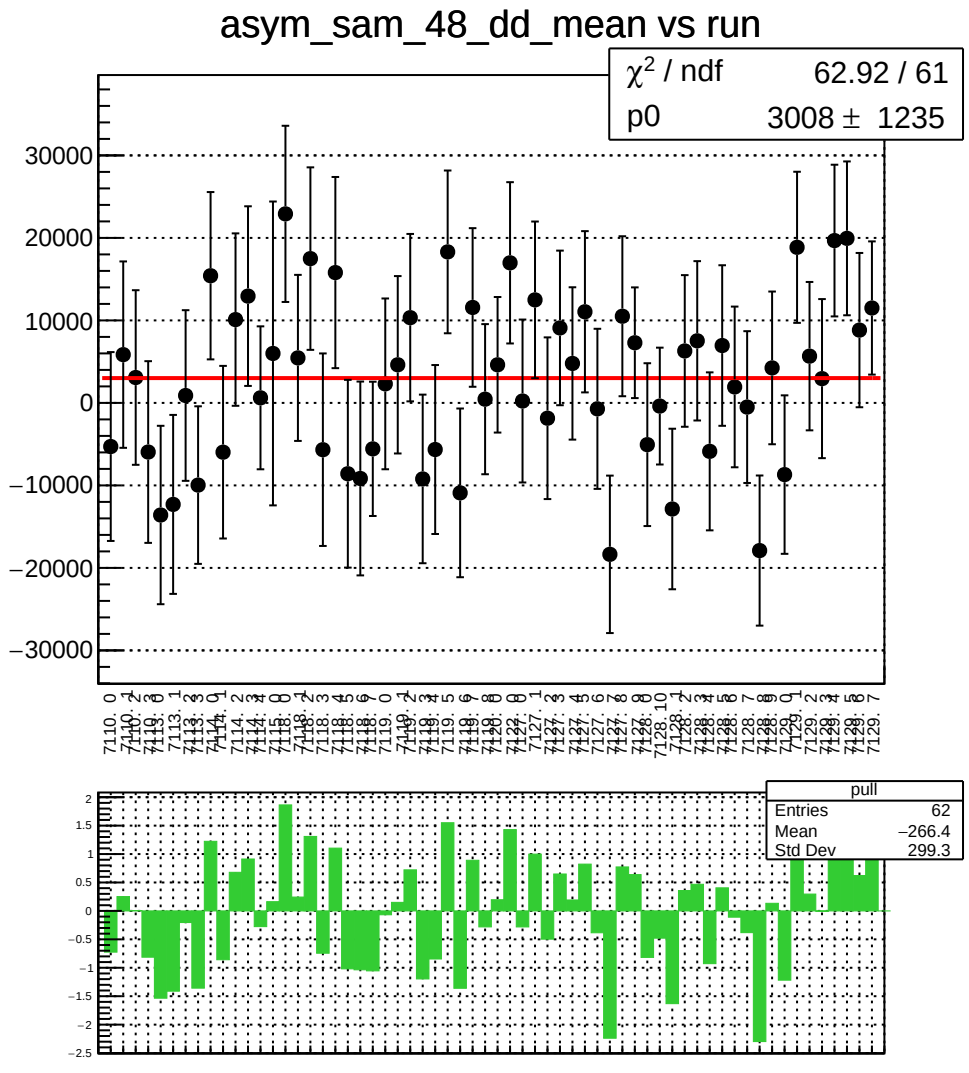

pull1D
Entries 62
Mean −0.0195
Std Dev 1.08

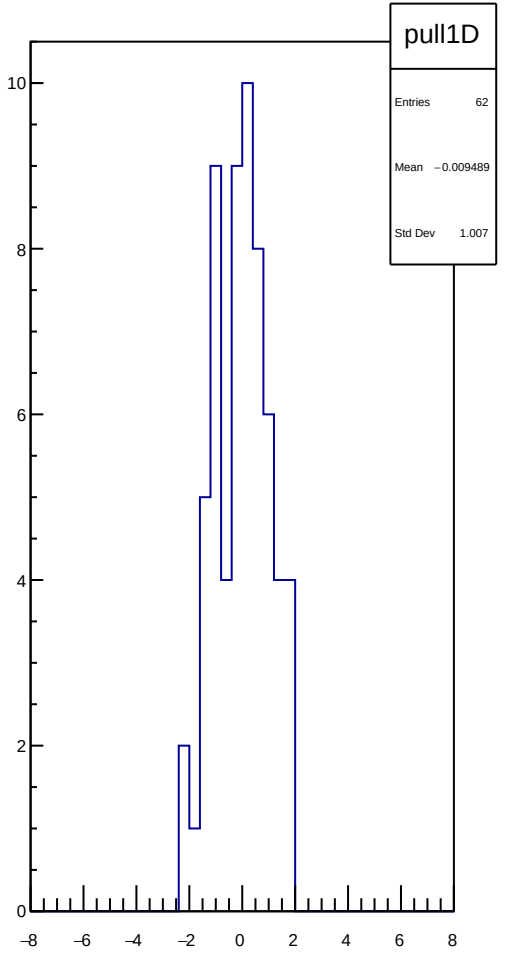

dit_asym_sam_48_dd_rms vs run
χ² / ndf 6.283e+04 / 61
p0 145.4 ± 0.1371
300
250
200
150
100
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

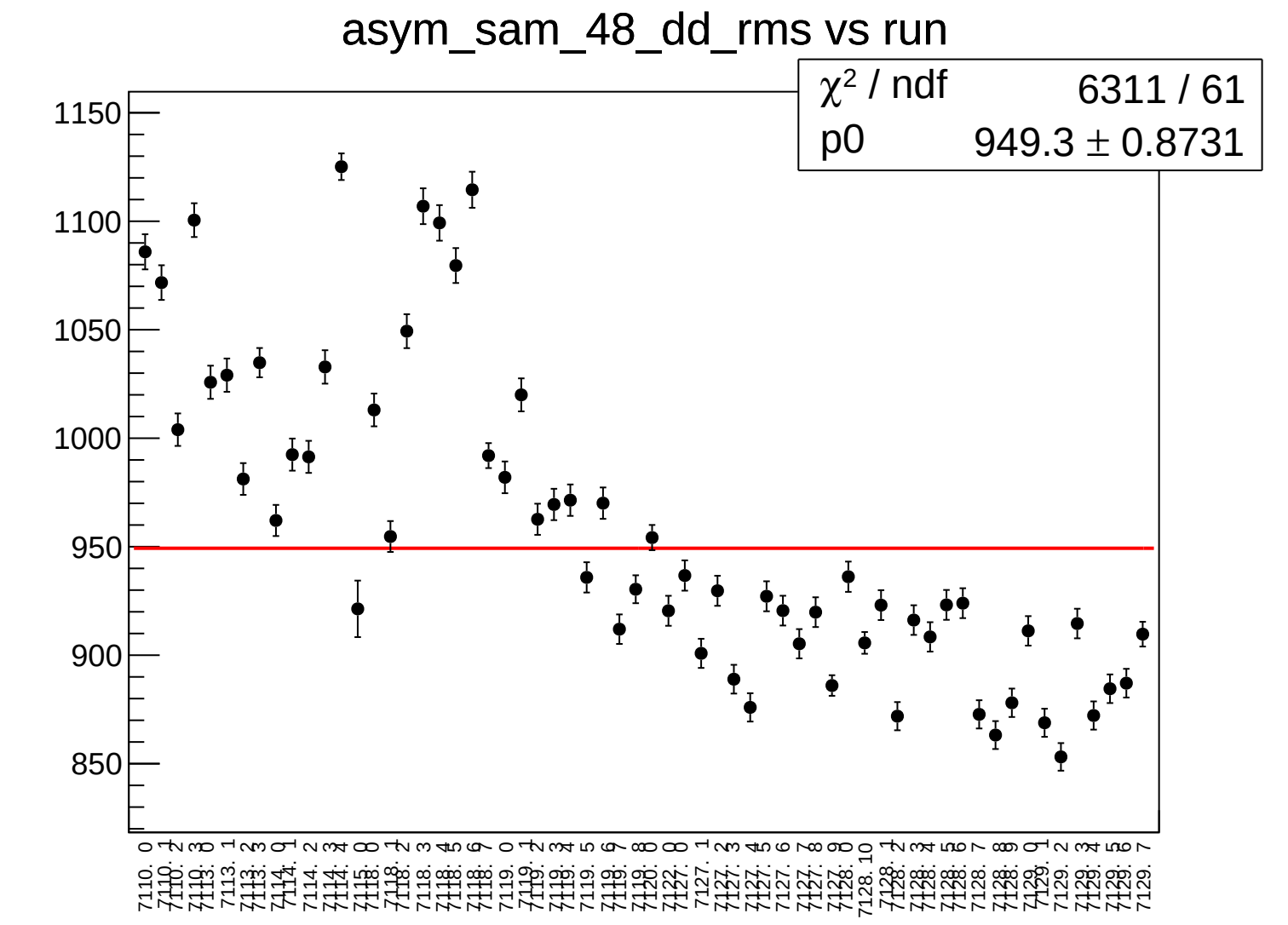

asym_sam_48_dd_correction_mean vs run
χ² / ndf 64.29 / 61
p0 −2607 ± 1256
pull
Entries 62
Mean 1746
Std Dev 1714

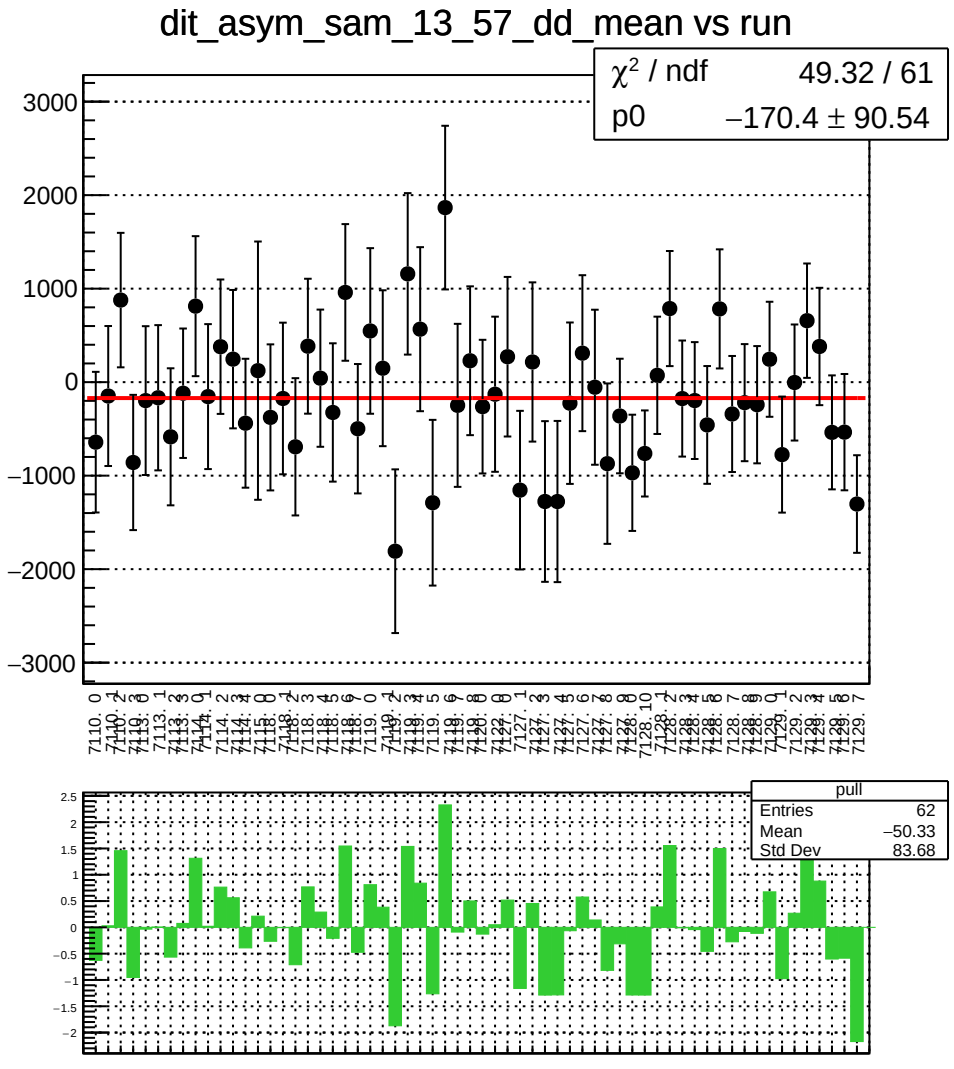

pull1D
Entries 62
Mean −0.001871
Std Dev 1.018

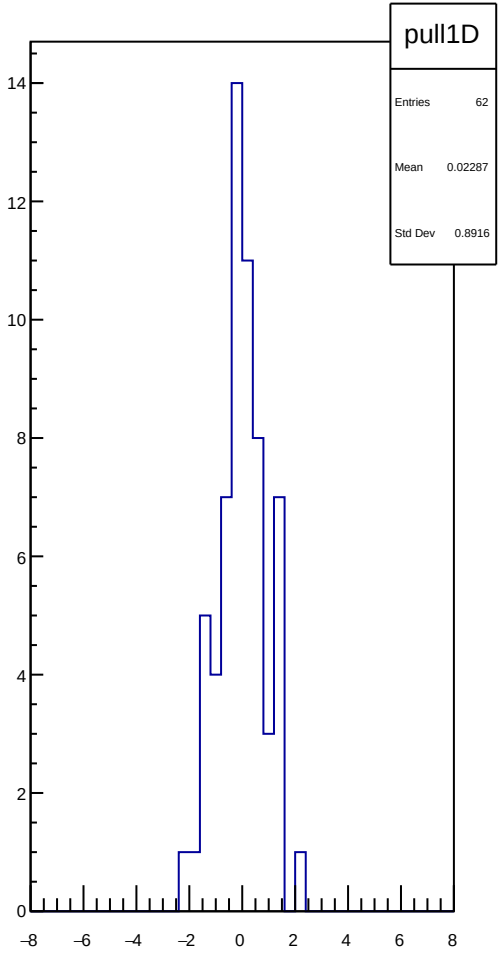

asym_sam_48_dd_correction_rms vs run
χ² / ndf 6417 / 61
p0 965.9 ± 0.8884
1100
1050
1000
950
900
850
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

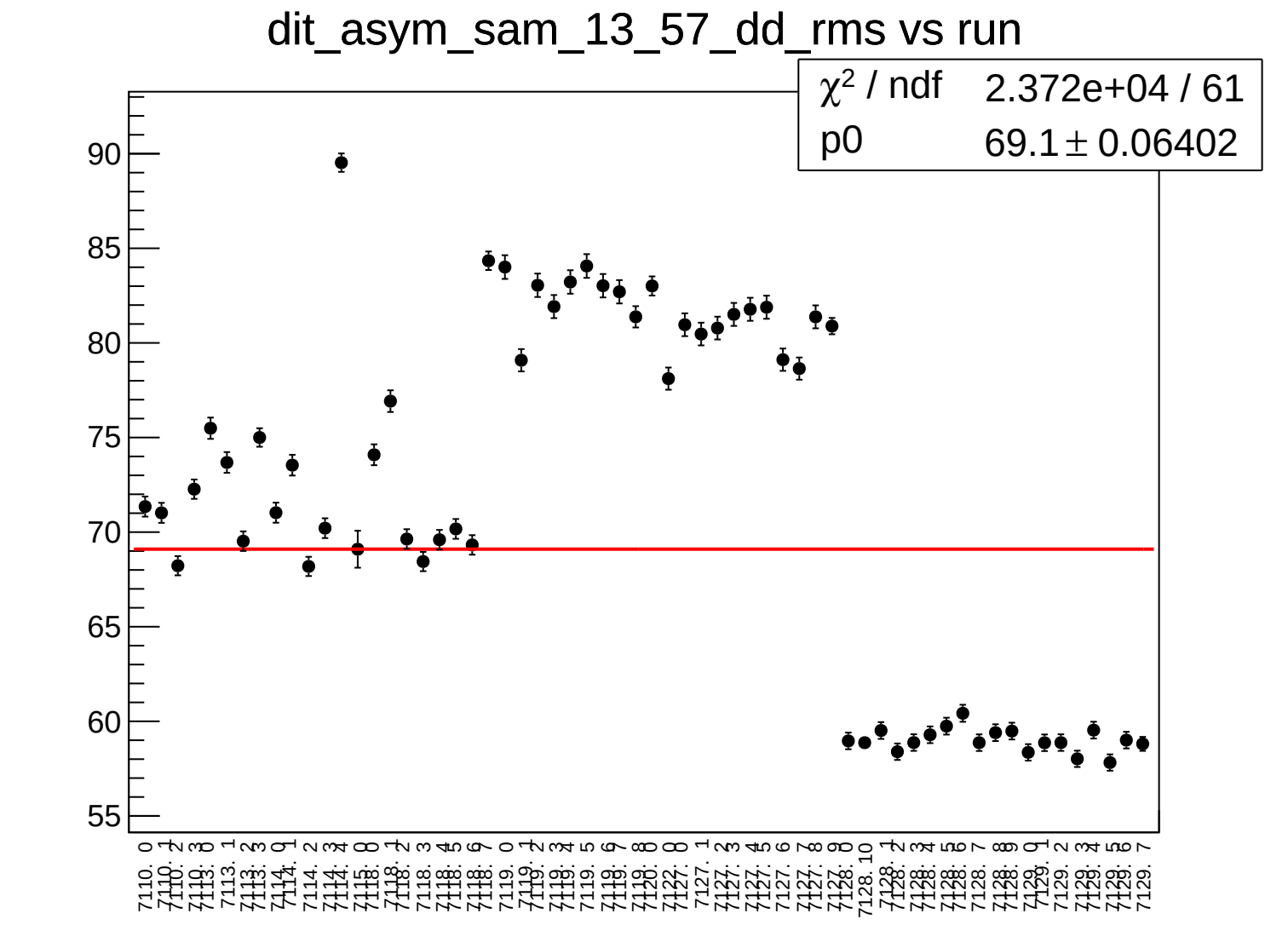

asym_sam_48_dd_mean vs run
χ² / ndf 62.92 / 61
p0 3008 ± 1235
pull
Entries 62
Mean −266.4
Std Dev 299.3

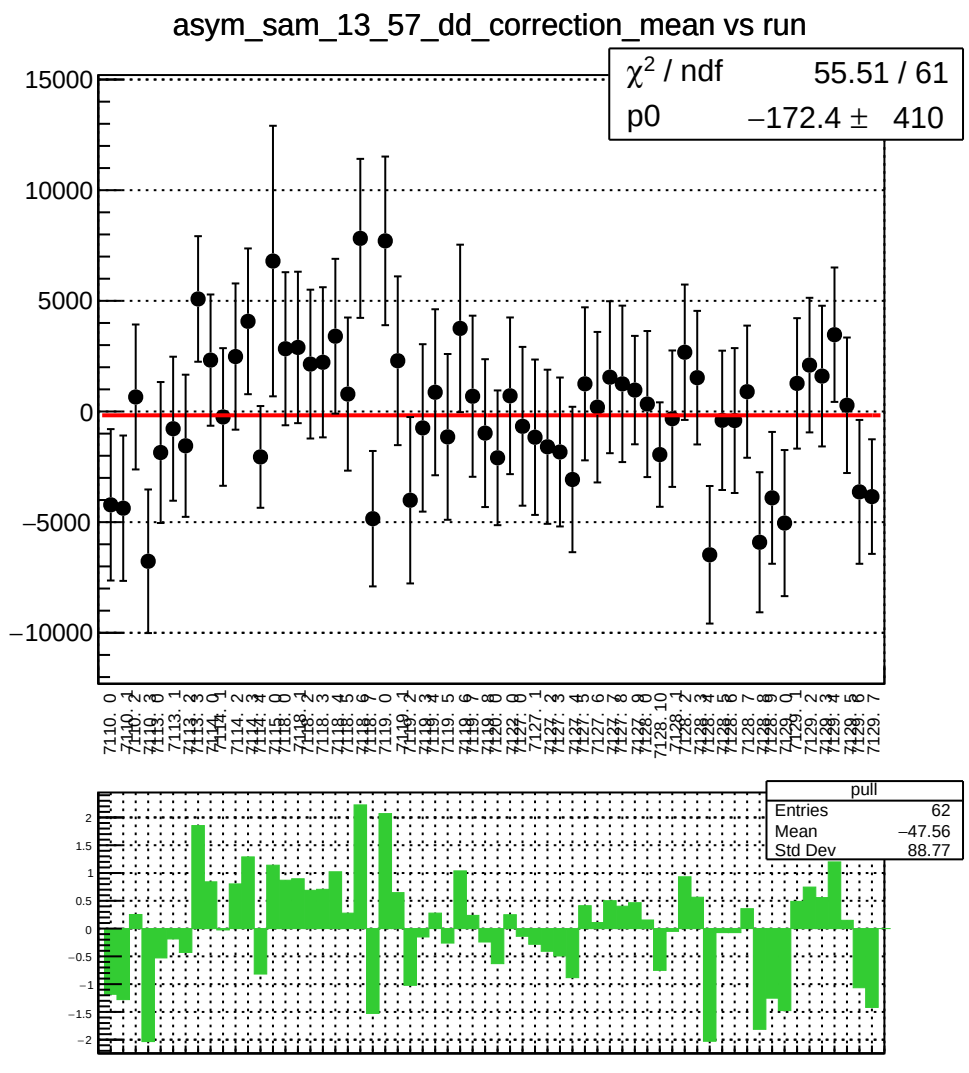

pull1D
Entries 62
Mean −0.009489
Std Dev 1.007

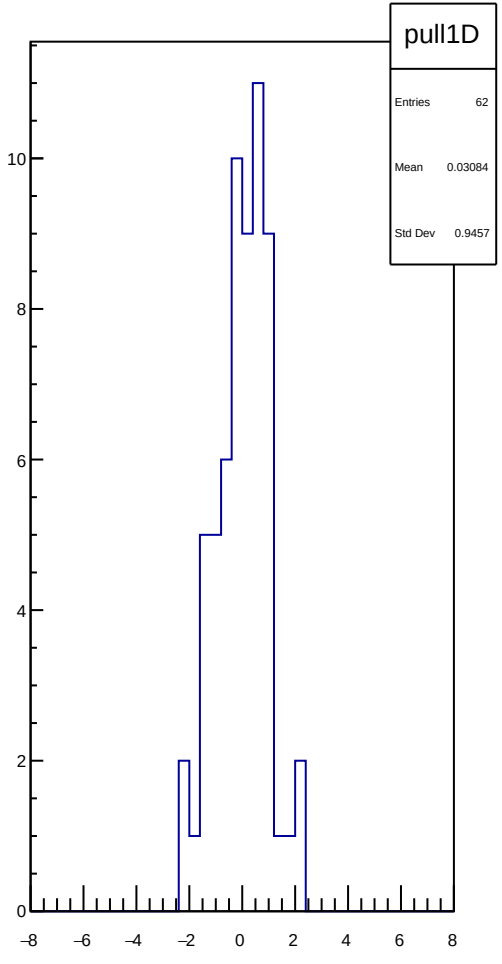

asym_sam_48_dd_rms vs run
χ² / ndf 6311 / 61
p0 949.3 ± 0.8731
1150
1100
1050
1000
950
900
850
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

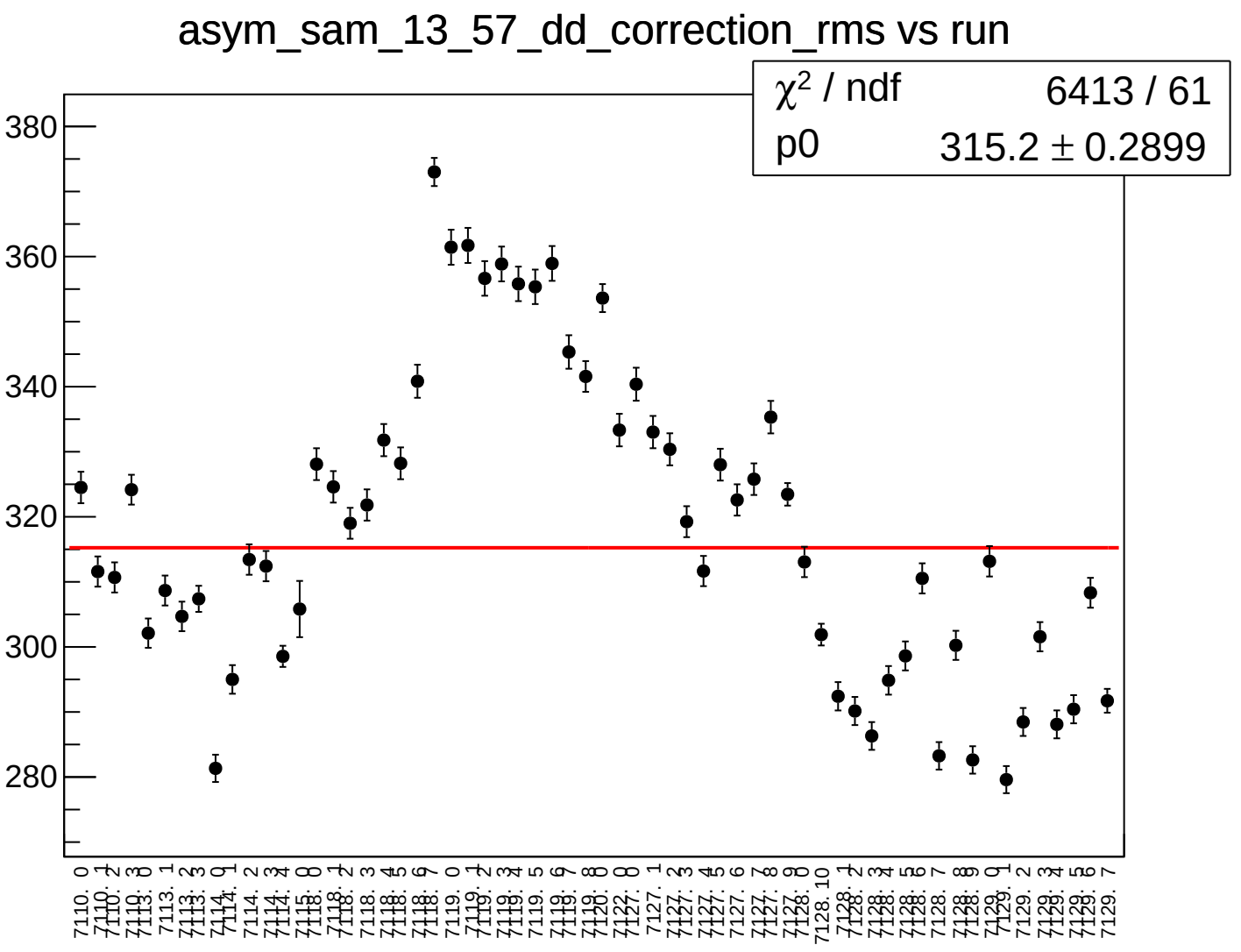

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 49.32 / 61
p0 −170.4 ± 90.54
pull
Entries 62
Mean −50.33
Std Dev 83.68

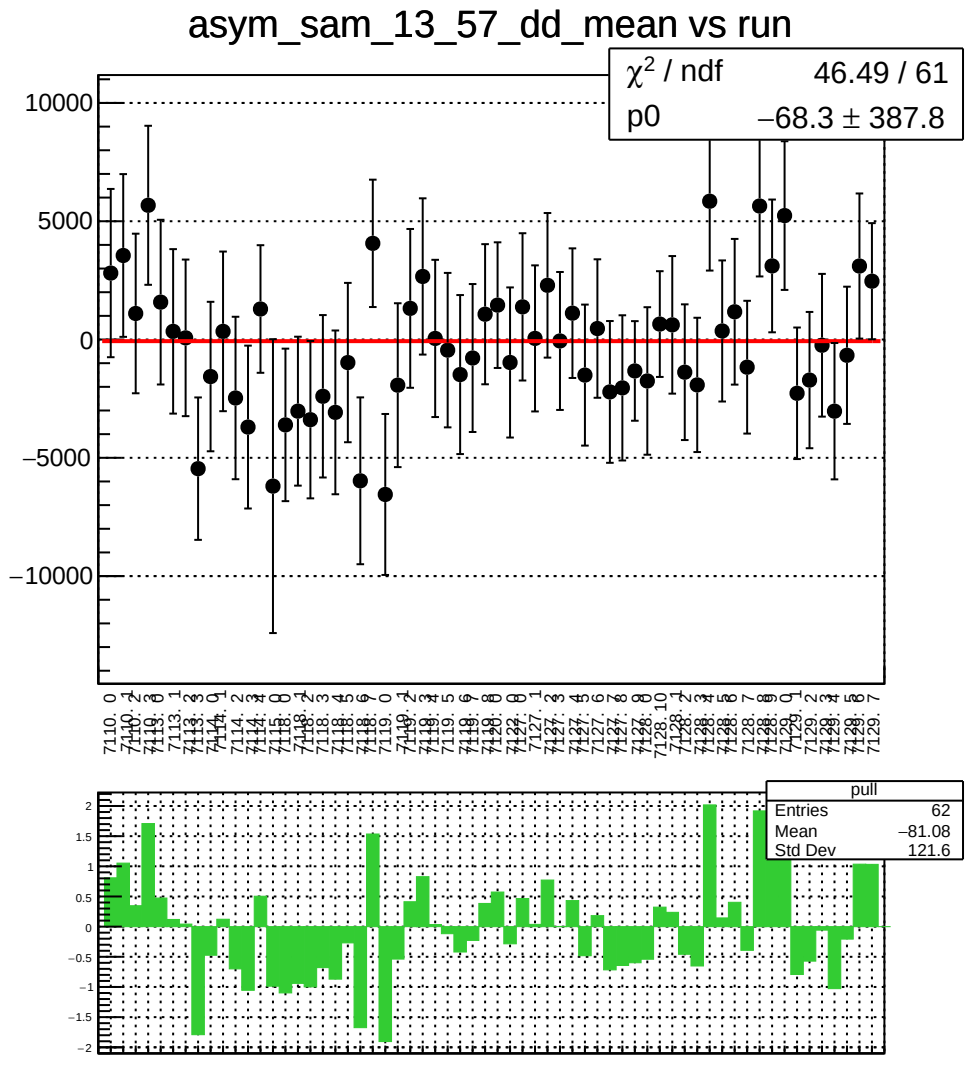

pull1D
Entries 62
Mean 0.02287
Std Dev 0.8916

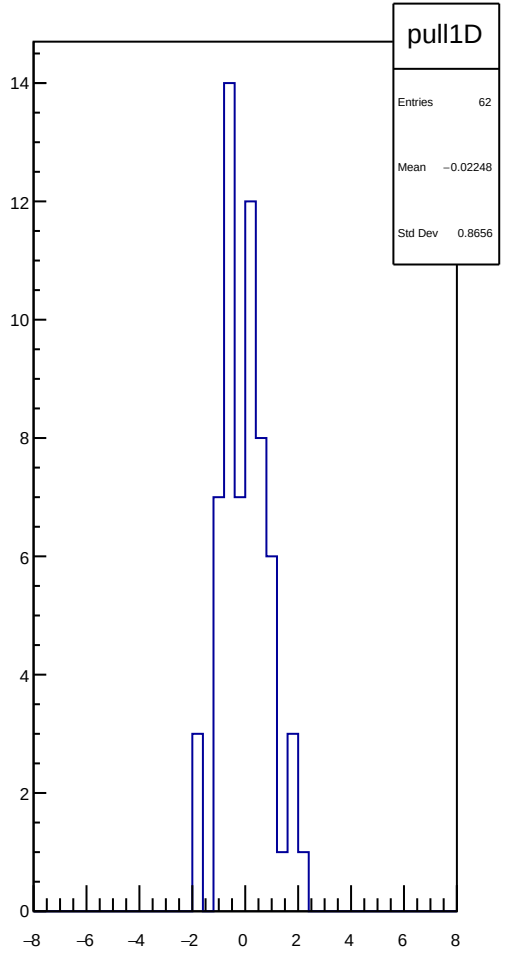

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.372e+04 / 61
p0 69.1 ± 0.06402
90
85
80
75
70
65
60
55

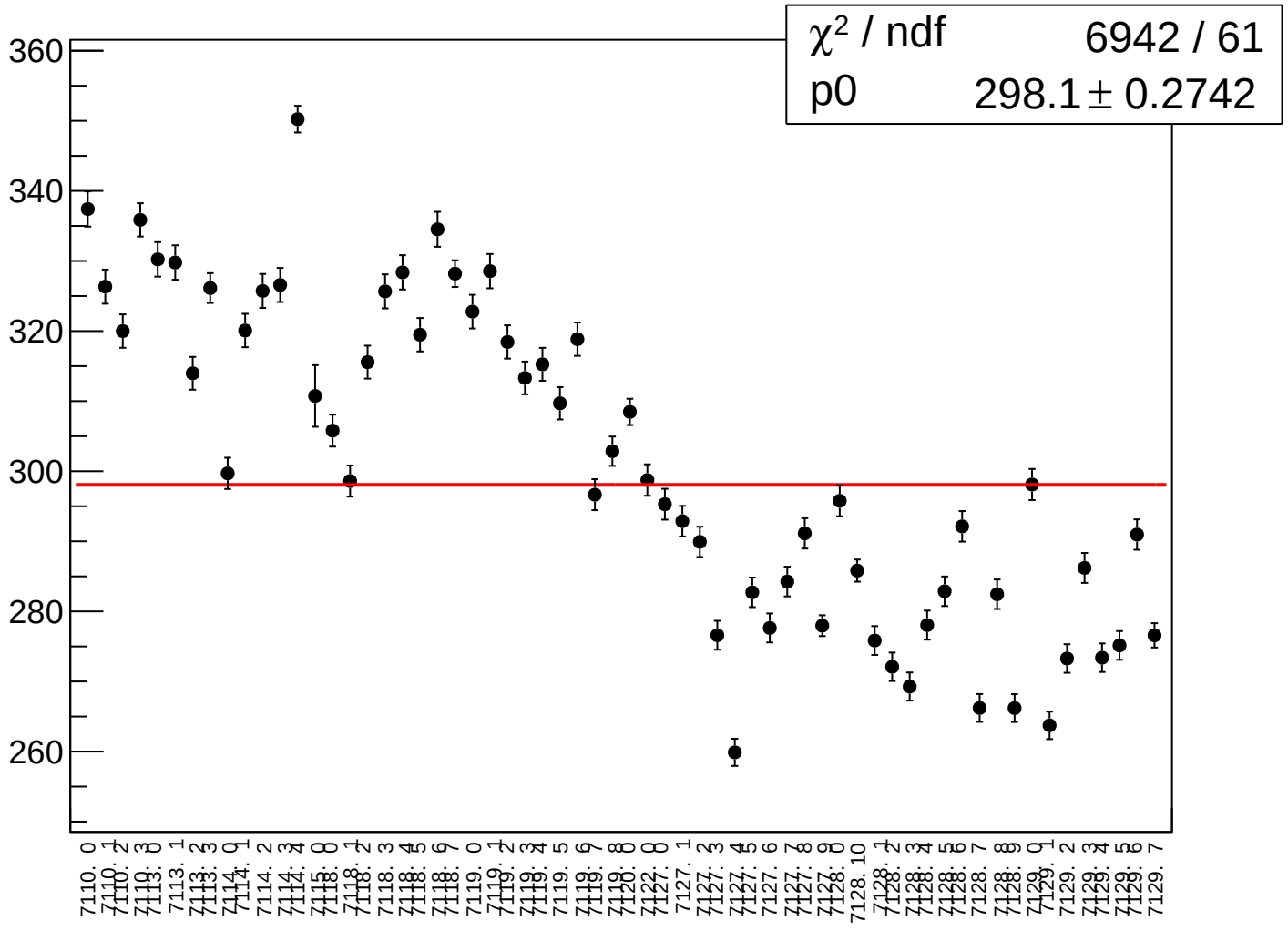

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 55.51 / 61
p0 −172.4 ± 410
pull
Entries 62
Mean −47.56
Std Dev 88.77

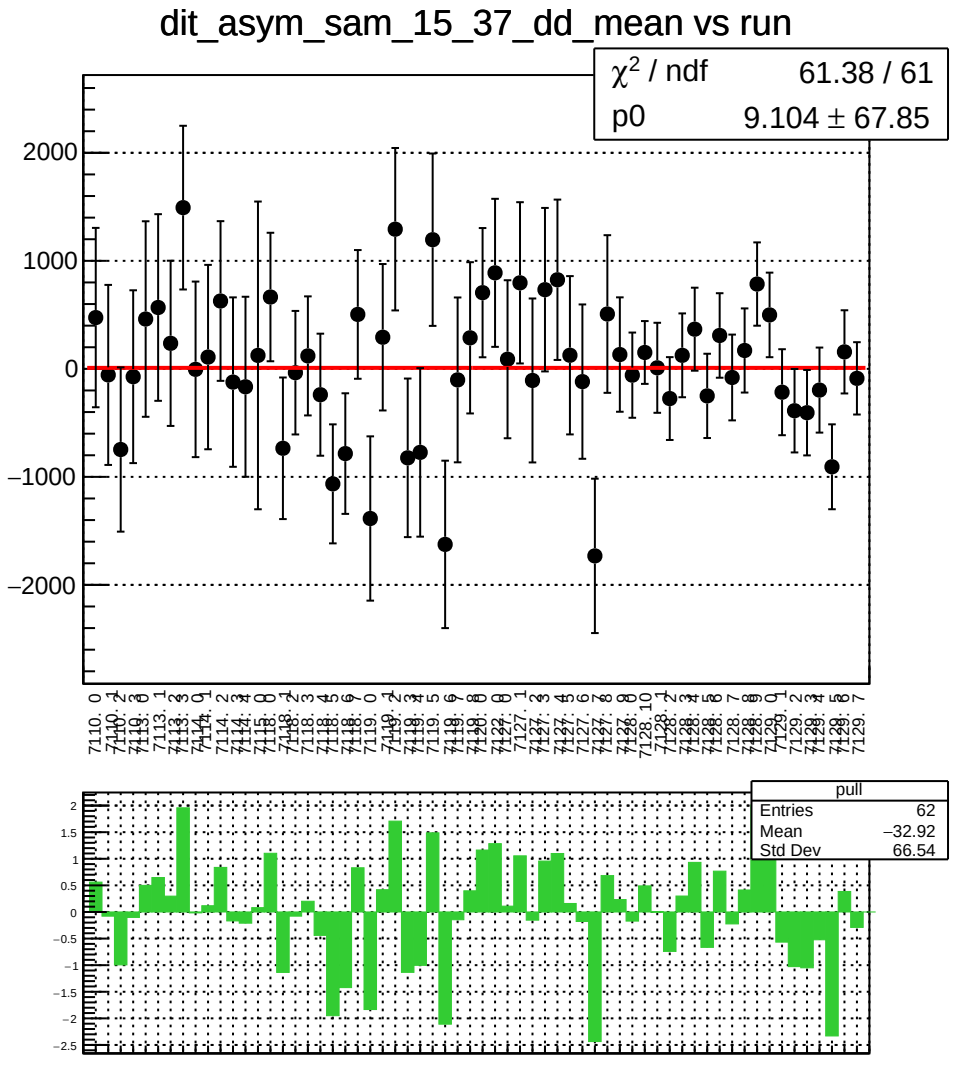

pull1D
Entries 62
Mean 0.03084
Std Dev 0.9457

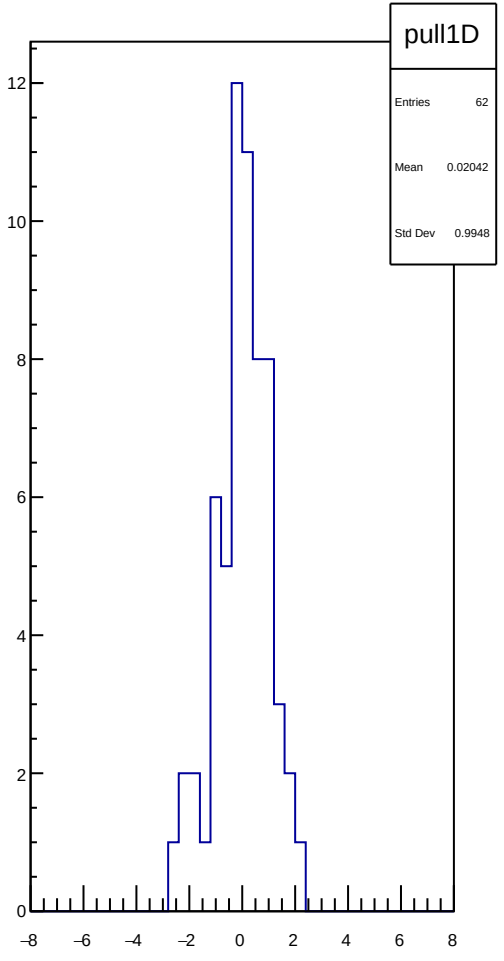

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 6413 / 61
p0 315.2 ± 0.2899
380
360
340
320
300
280
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

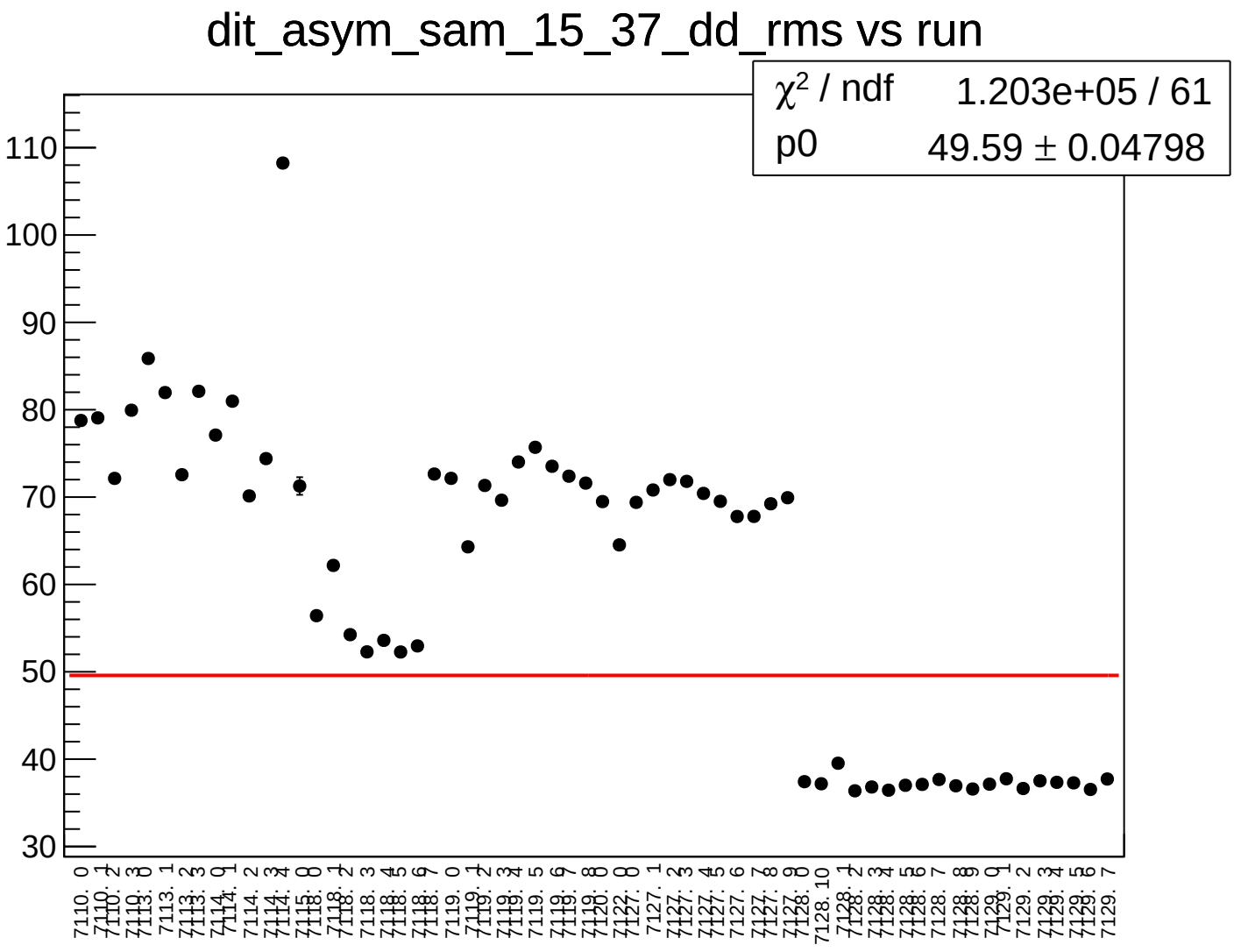

asym_sam_13_57_dd_mean vs run
χ² / ndf 46.49 / 61
p0 −68.3 ± 387.8
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −81.08
Std Dev 121.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

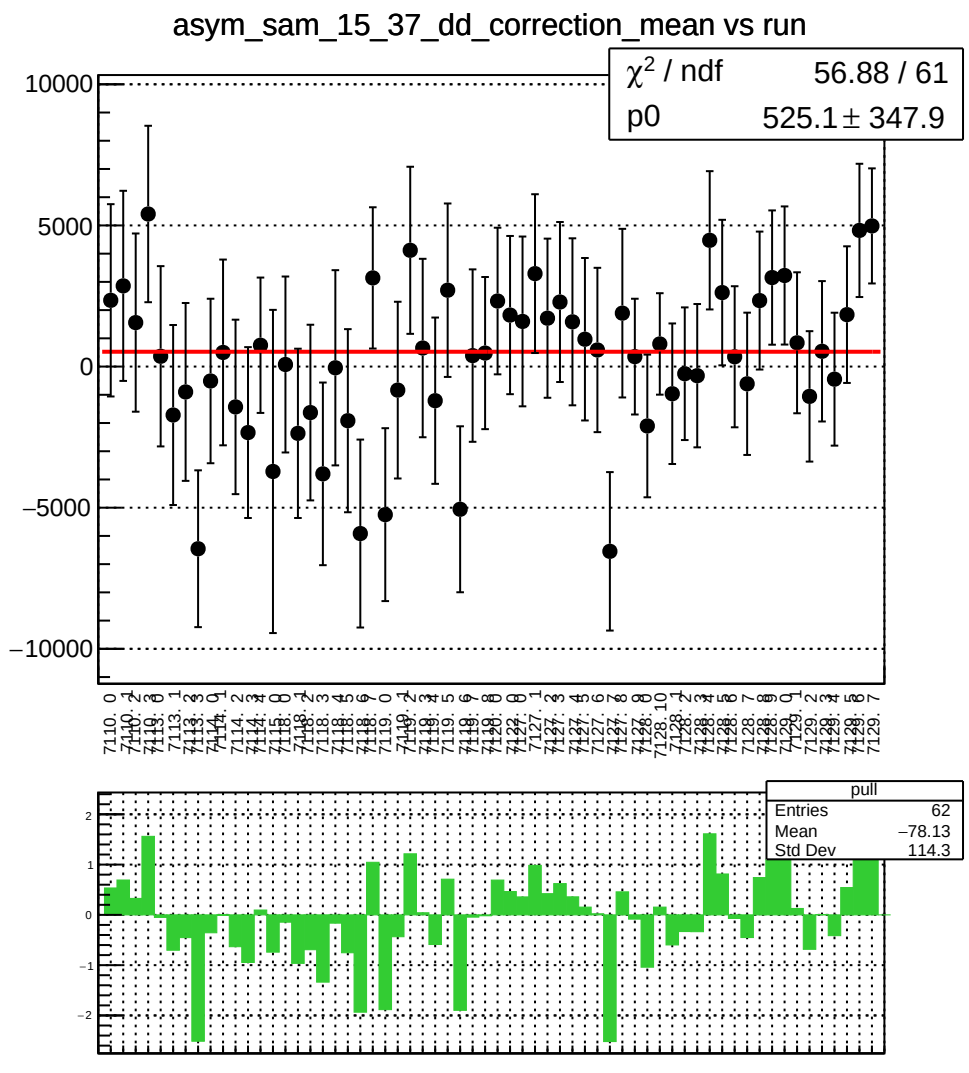

pull1D
Entries 62
Mean −0.02248
Std Dev 0.8656
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

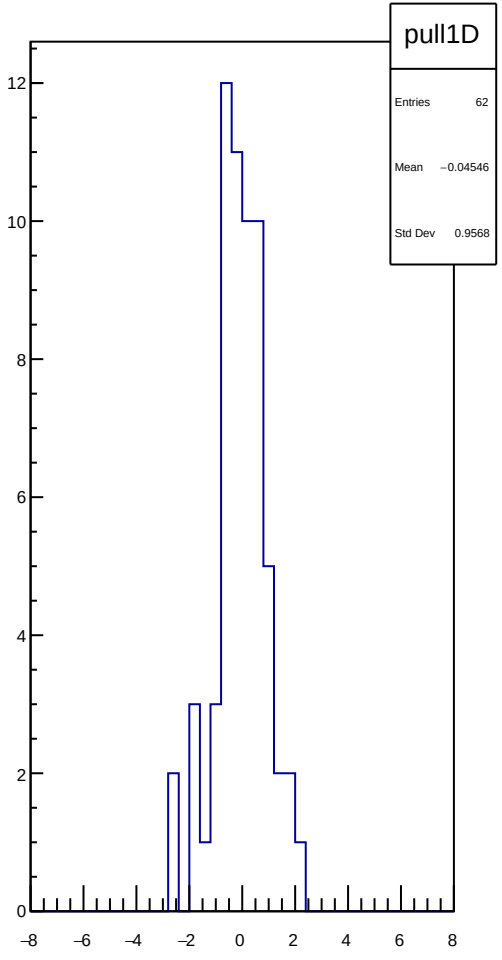

asym_sam_13_57_dd_rms vs run
χ² / ndf 6942 / 61
p0 298.1 ± 0.2742
360
340
320
300
280
260

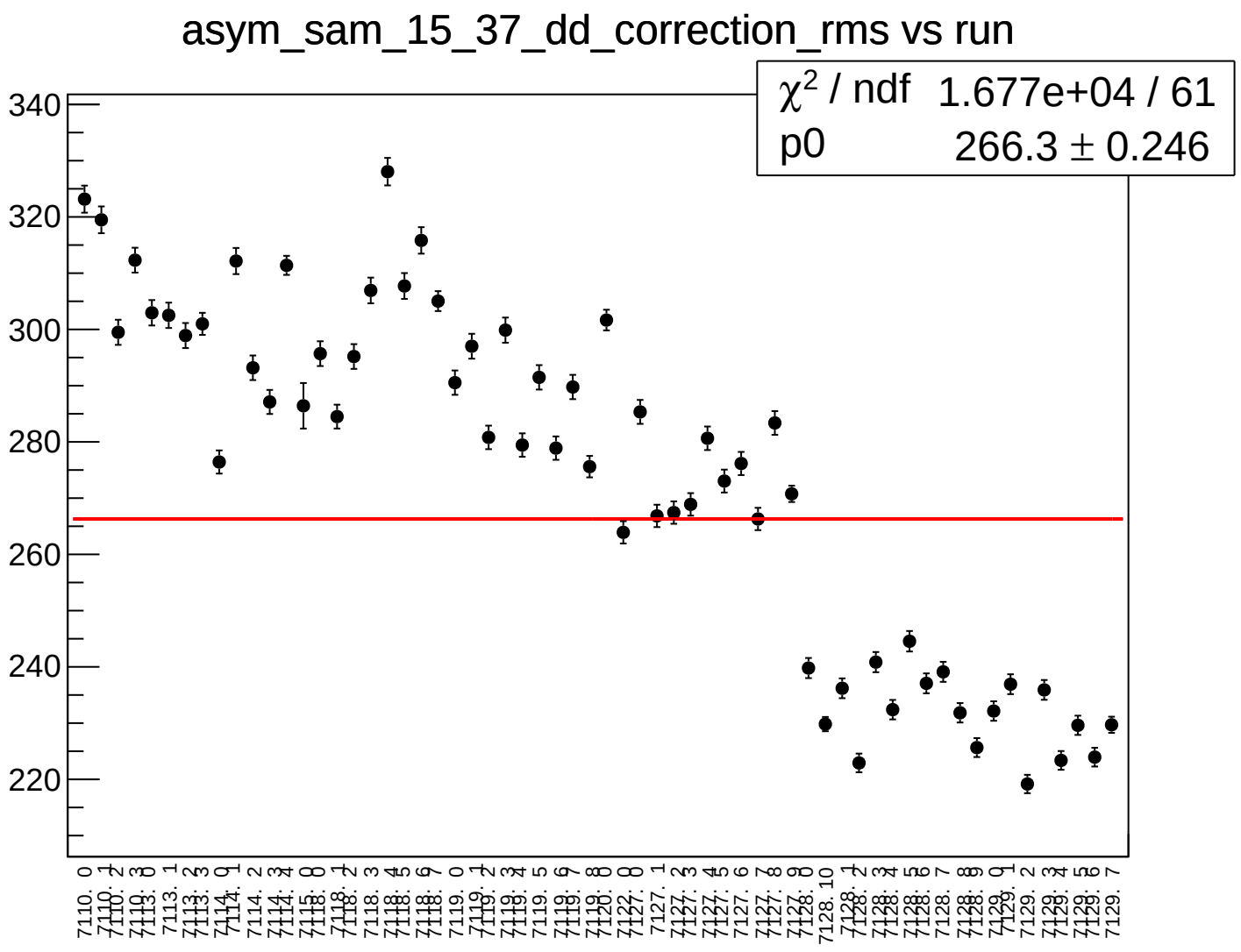

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 61.38 / 61
p0 9.104 ± 67.85
pull
Entries 62
Mean −32.92
Std Dev 66.54

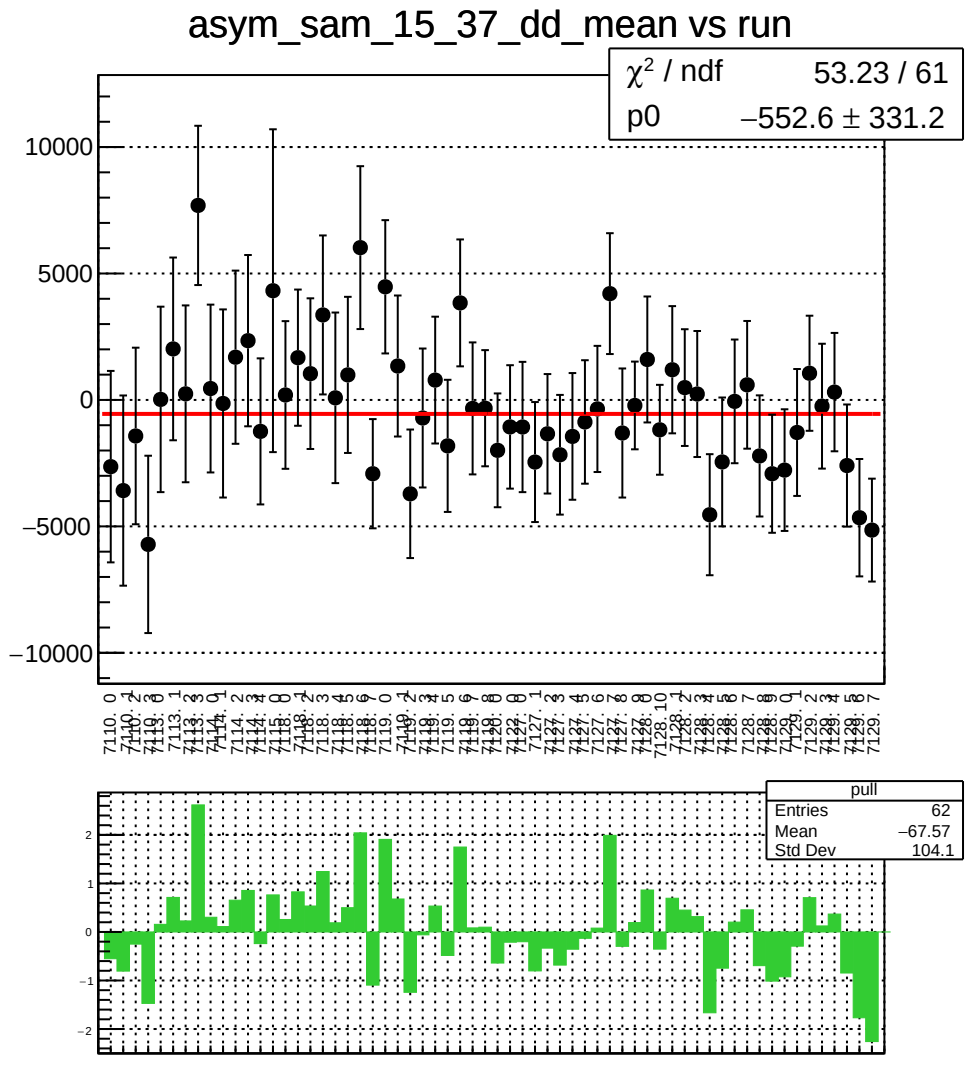

pull1D
Entries 62
Mean 0.02042
Std Dev 0.9948

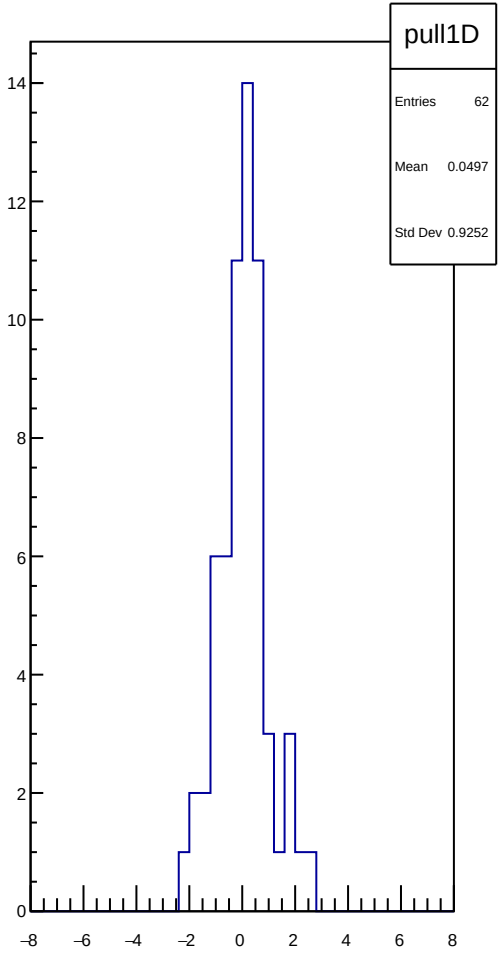

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.203e+05 / 61
p0 49.59 ± 0.04798
110
100
90
80
70
60
50
40
30

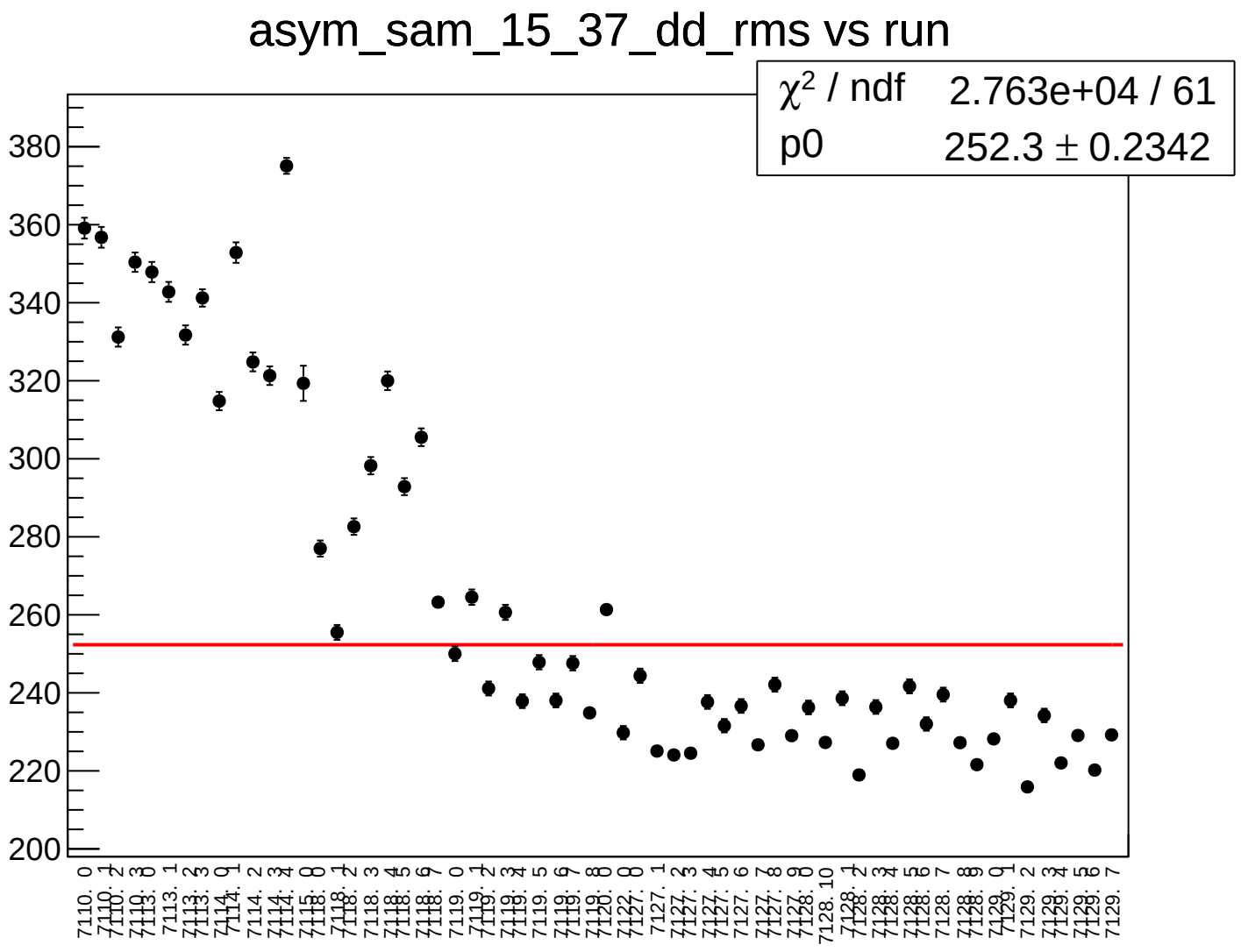

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 56.88 / 61
p0 525.1 ± 347.9
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −78.13
Std Dev 114.3
2
1
0
−1
−2

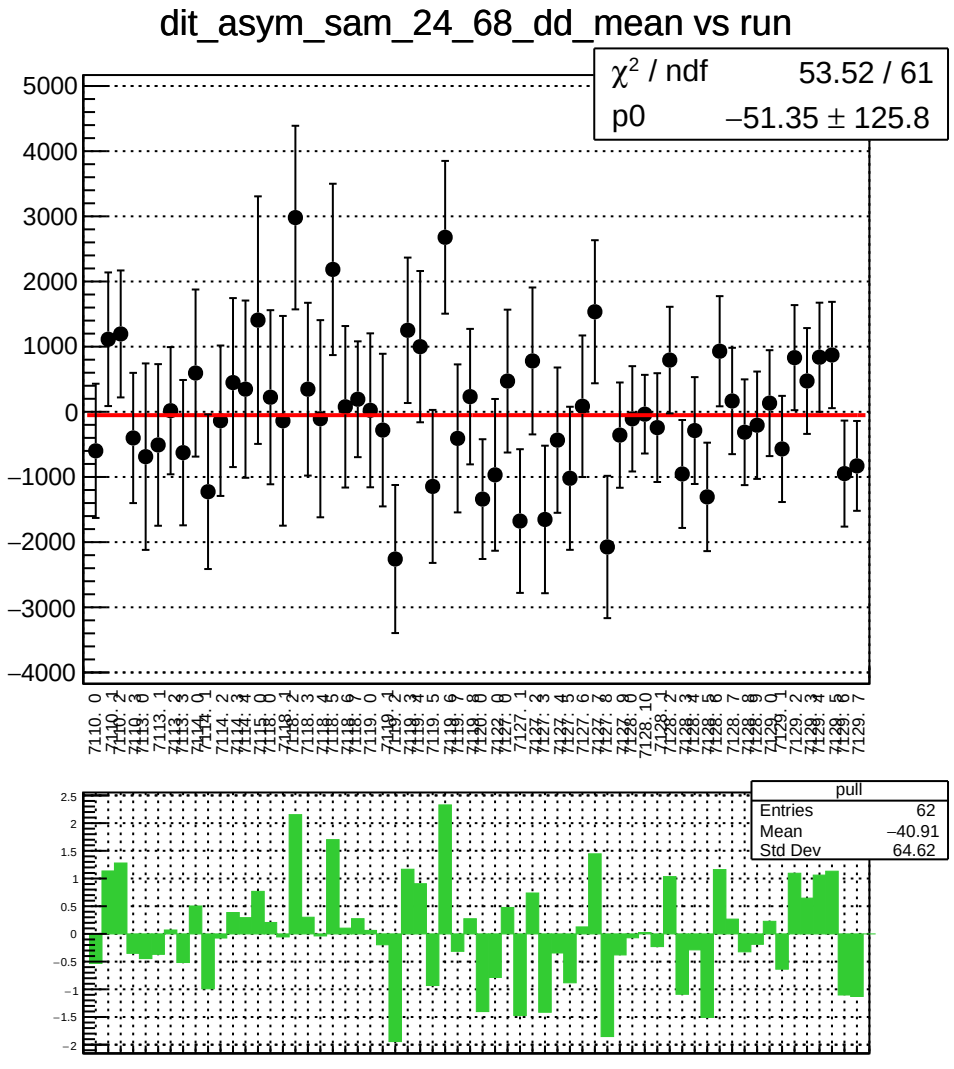

pull1D
Entries 62
Mean −0.04546
Std Dev 0.9568
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

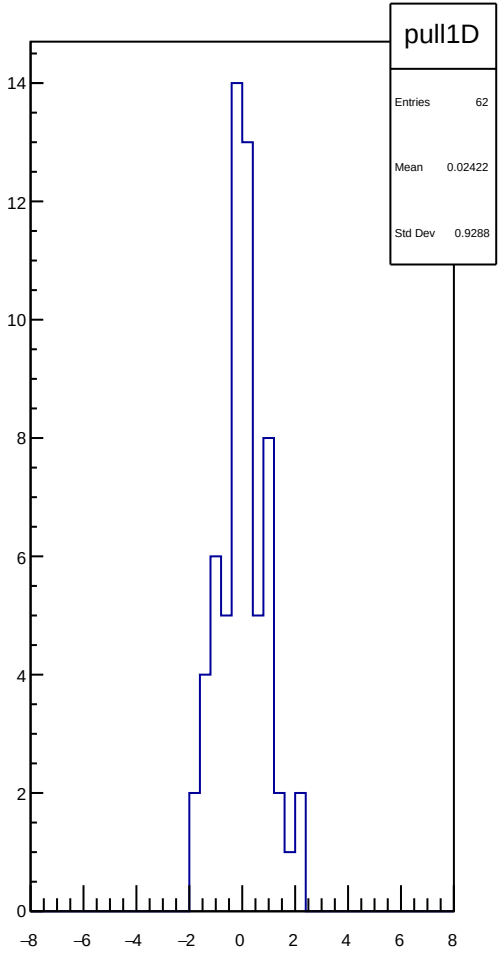

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.677e+04 / 61
p0 266.3 ± 0.246
340
320
300
280
260
240
220
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

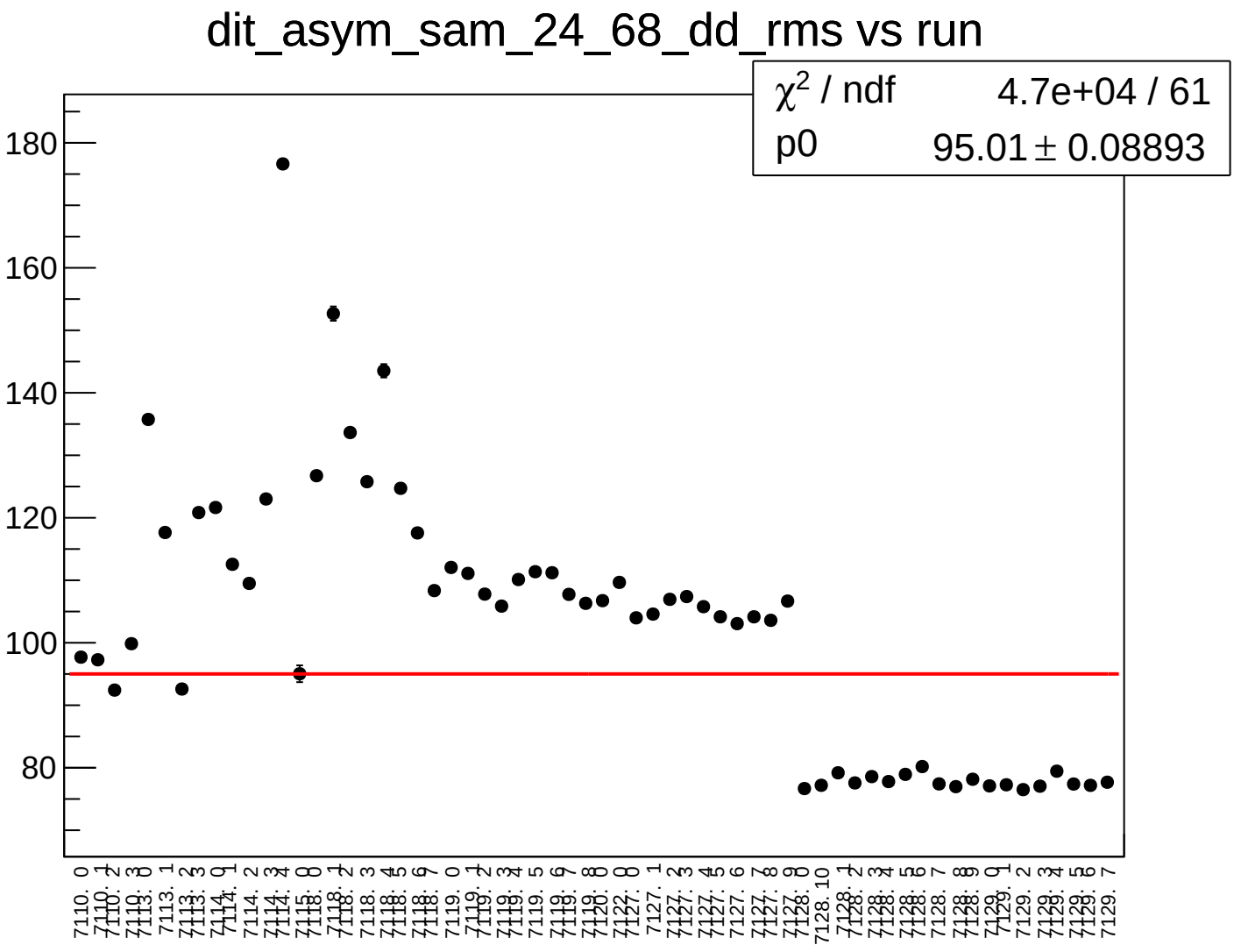

asym_sam_15_37_dd_mean vs run
χ² / ndf 53.23 / 61
p0 −552.6 ± 331.2
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −67.57
Std Dev 104.1
2
1
0
−1
−2

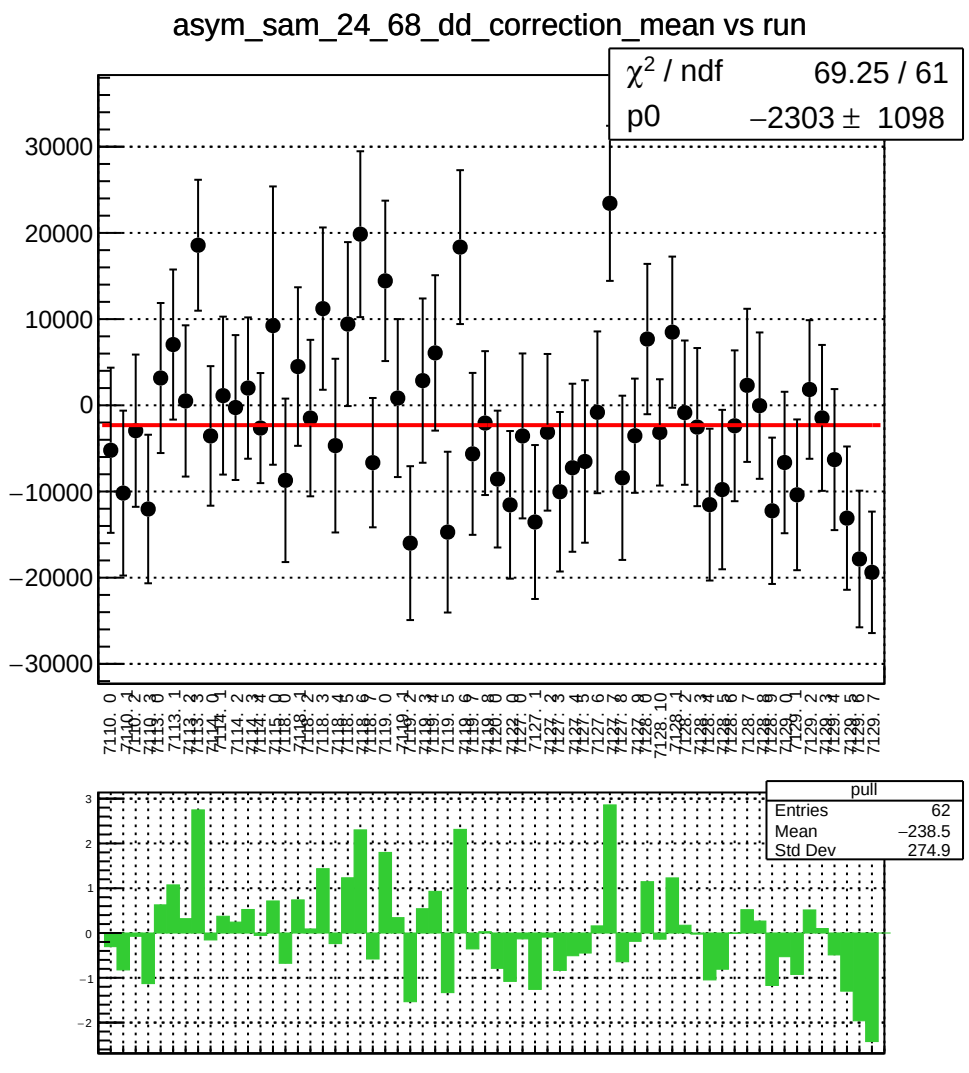

pull1D
Entries 62
Mean 0.0497
Std Dev 0.9252
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

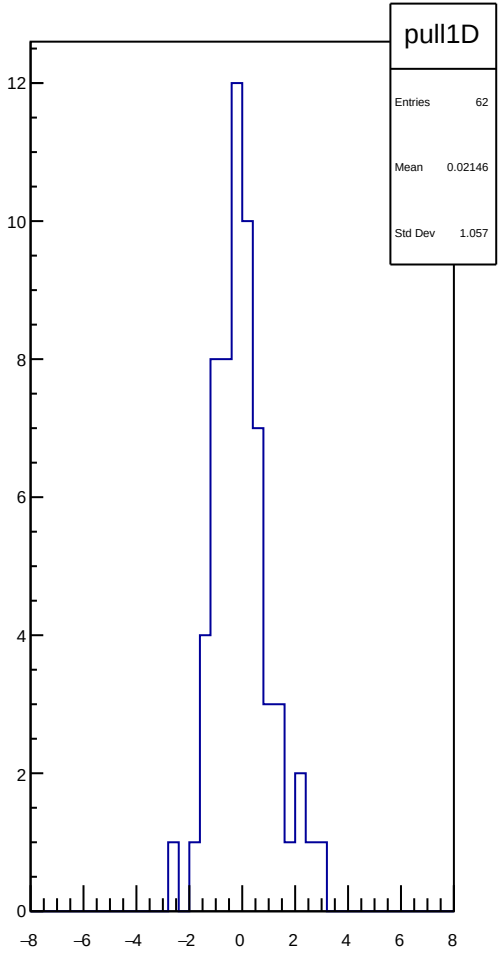

asym_sam_15_37_dd_rms vs run
χ² / ndf 2.763e+04 / 61
p0 252.3 ± 0.2342
380
360
340
320
300
280
260
240
220
200

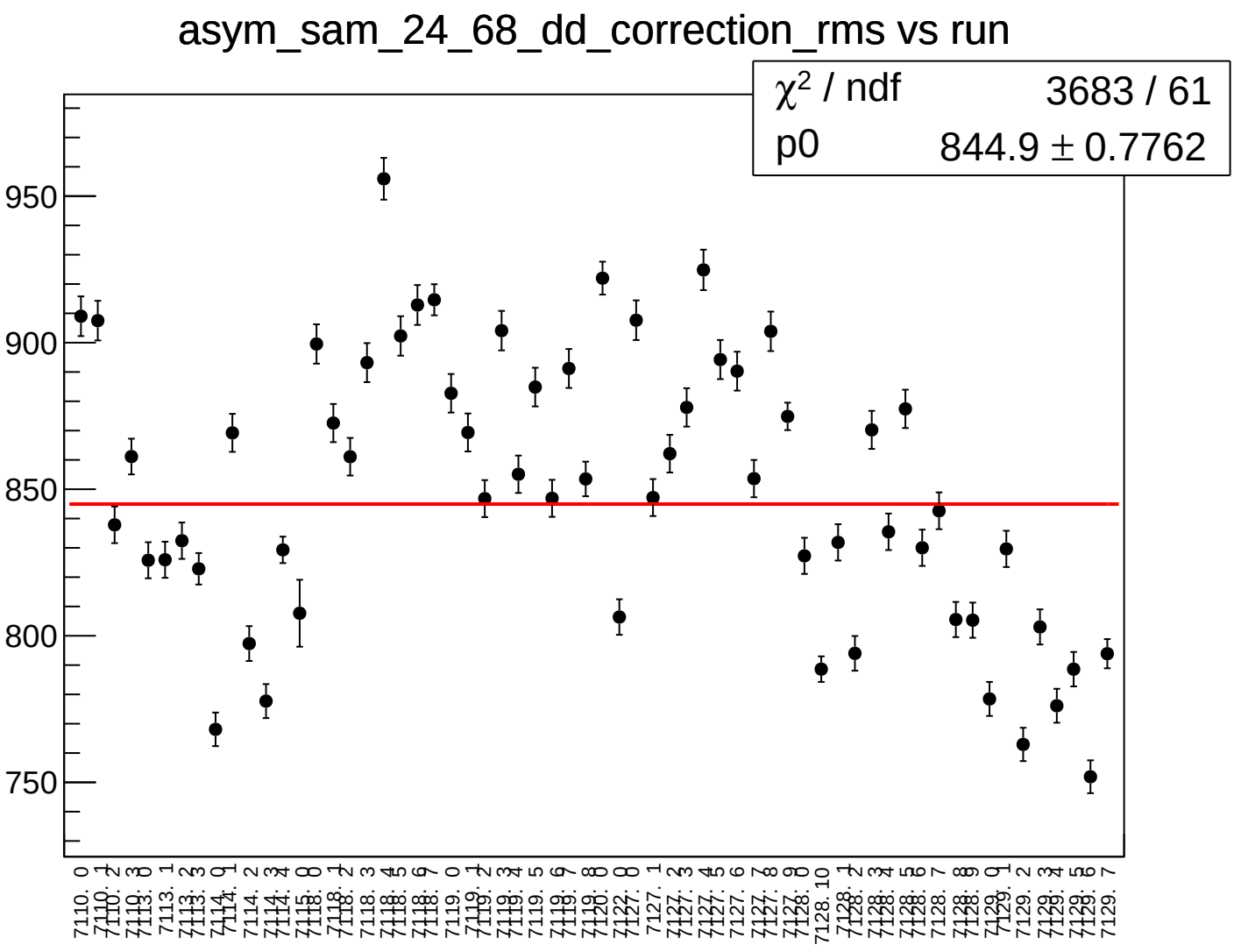

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 53.52 / 61
p0 −51.35 ± 125.8
pull
Entries 62
Mean −40.91
Std Dev 64.62

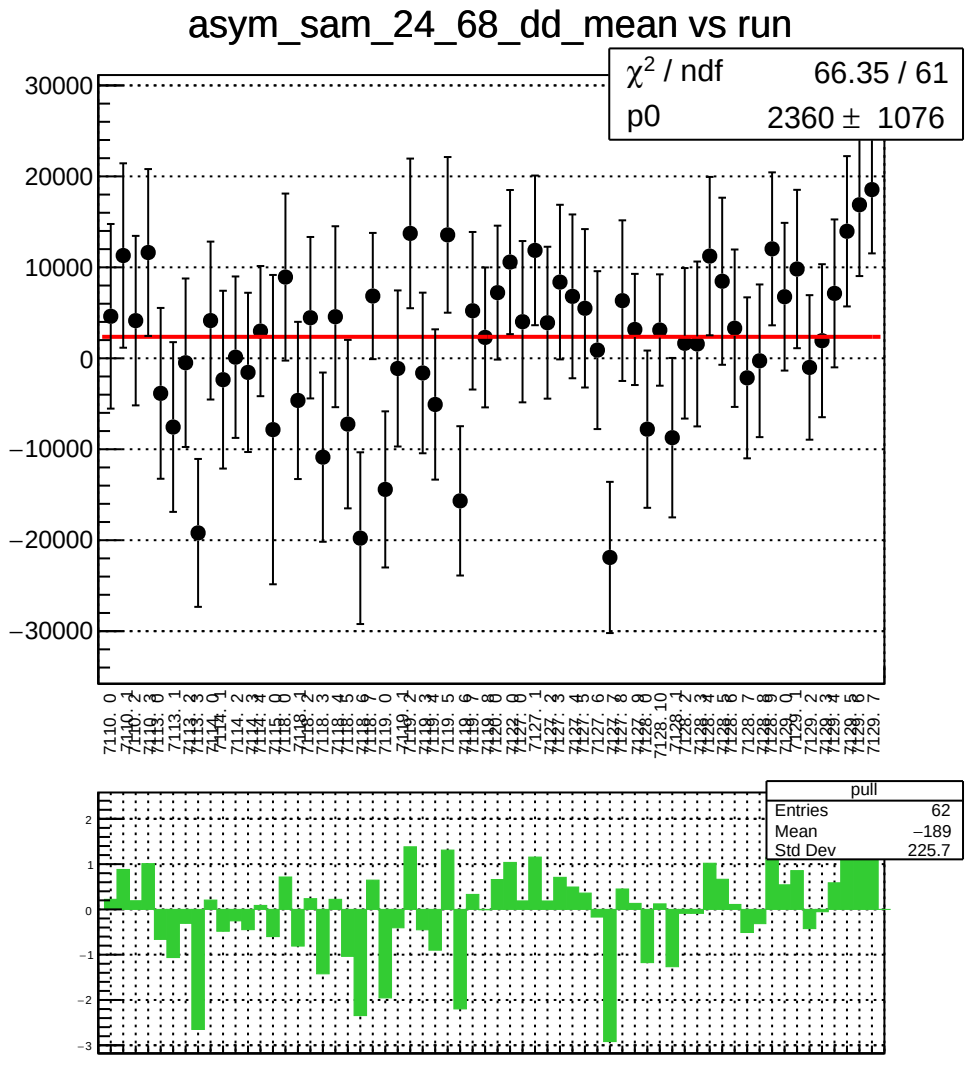

pull1D
Entries 62
Mean 0.02422
Std Dev 0.9288

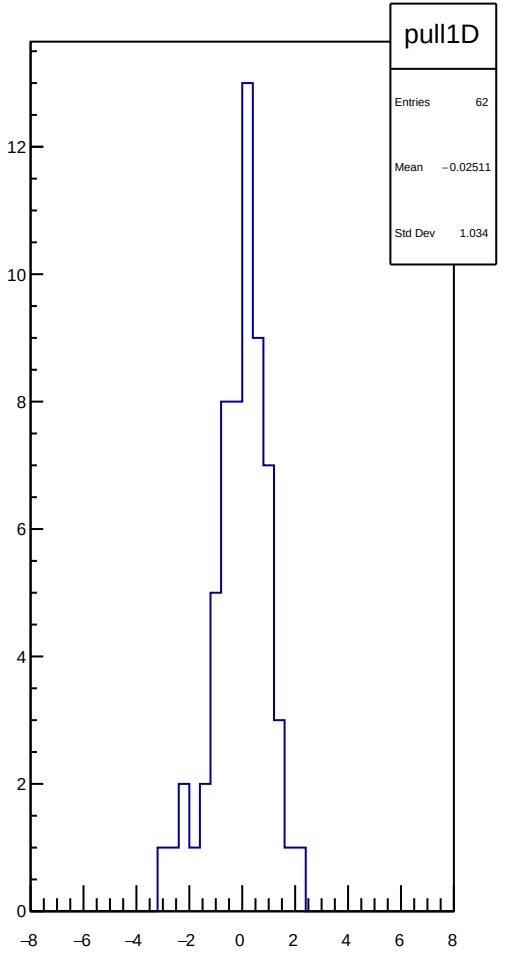

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 4.7e+04 / 61
p0 95.01 ± 0.08893
180
160
140
120
100
80

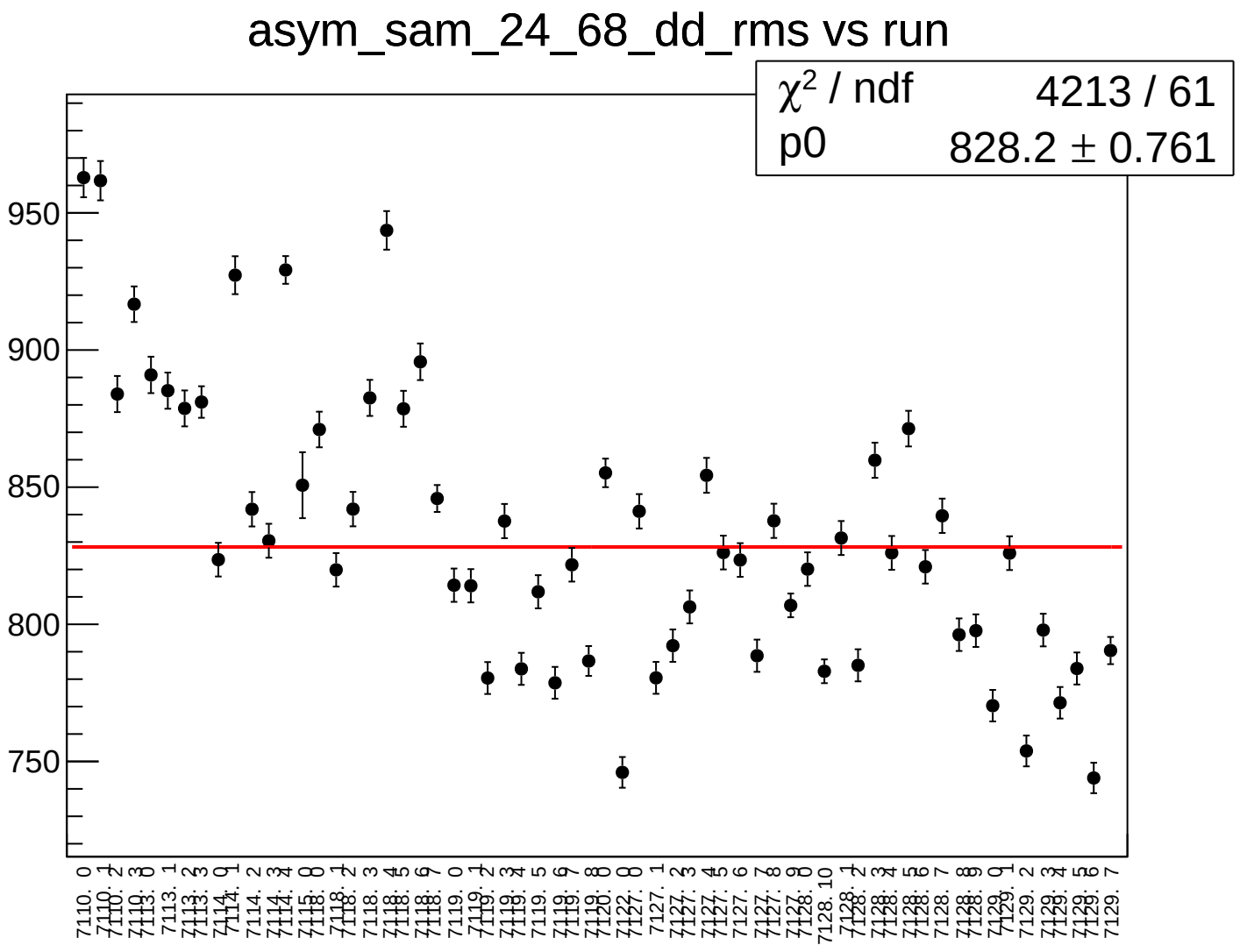

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 69.25 / 61
p0 −2303 ± 1098
pull
Entries 62
Mean −238.5
Std Dev 274.9

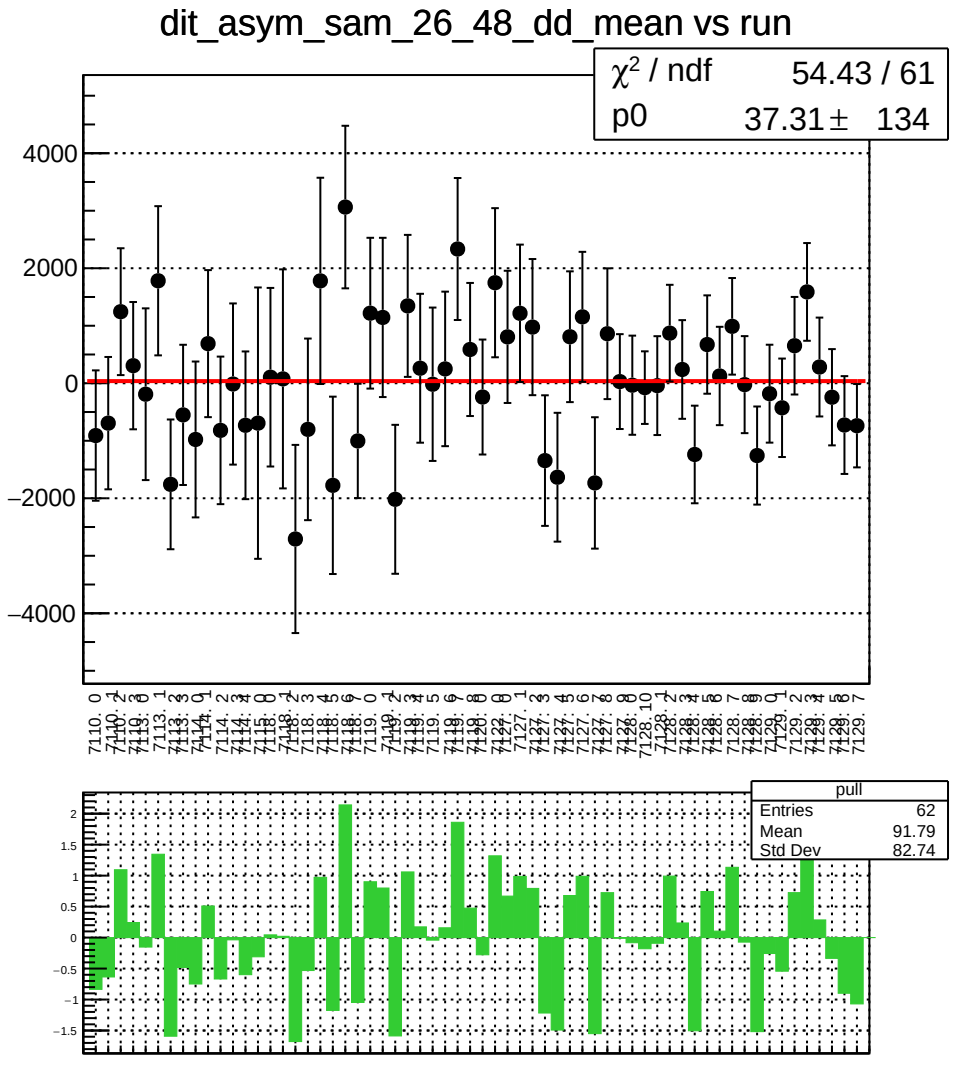

pull1D
Entries 62
Mean 0.02146
Std Dev 1.057

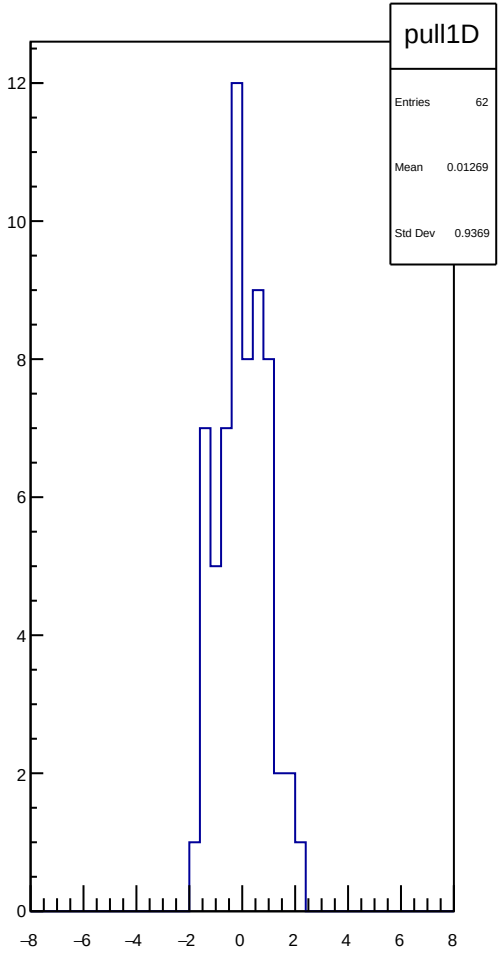

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3683 / 61
p0 844.9 ± 0.7762
950
900
850
800
750
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

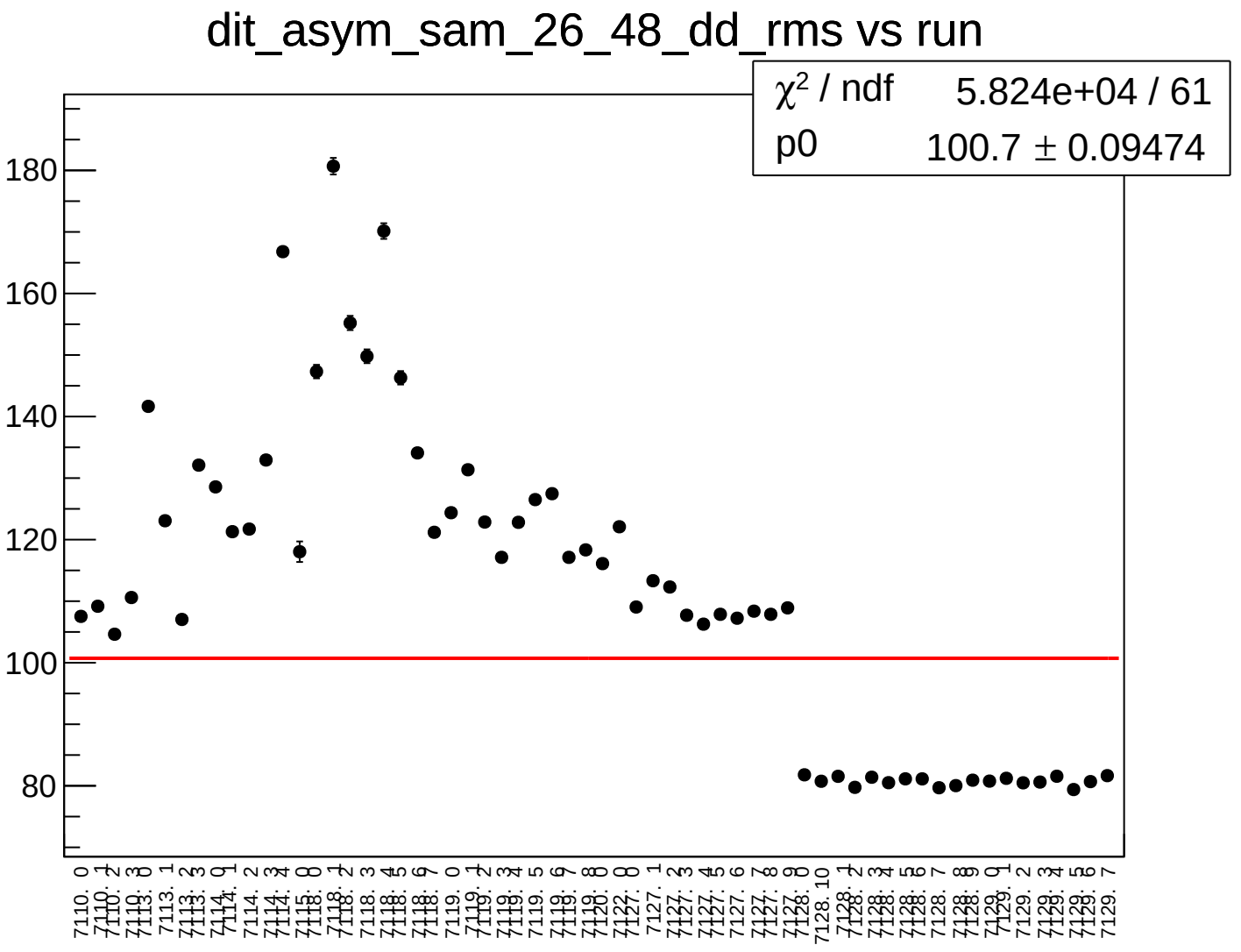

asym_sam_24_68_dd_mean vs run
χ² / ndf 66.35 / 61
p0 2360 ± 1076
pull
Entries 62
Mean −189
Std Dev 225.7

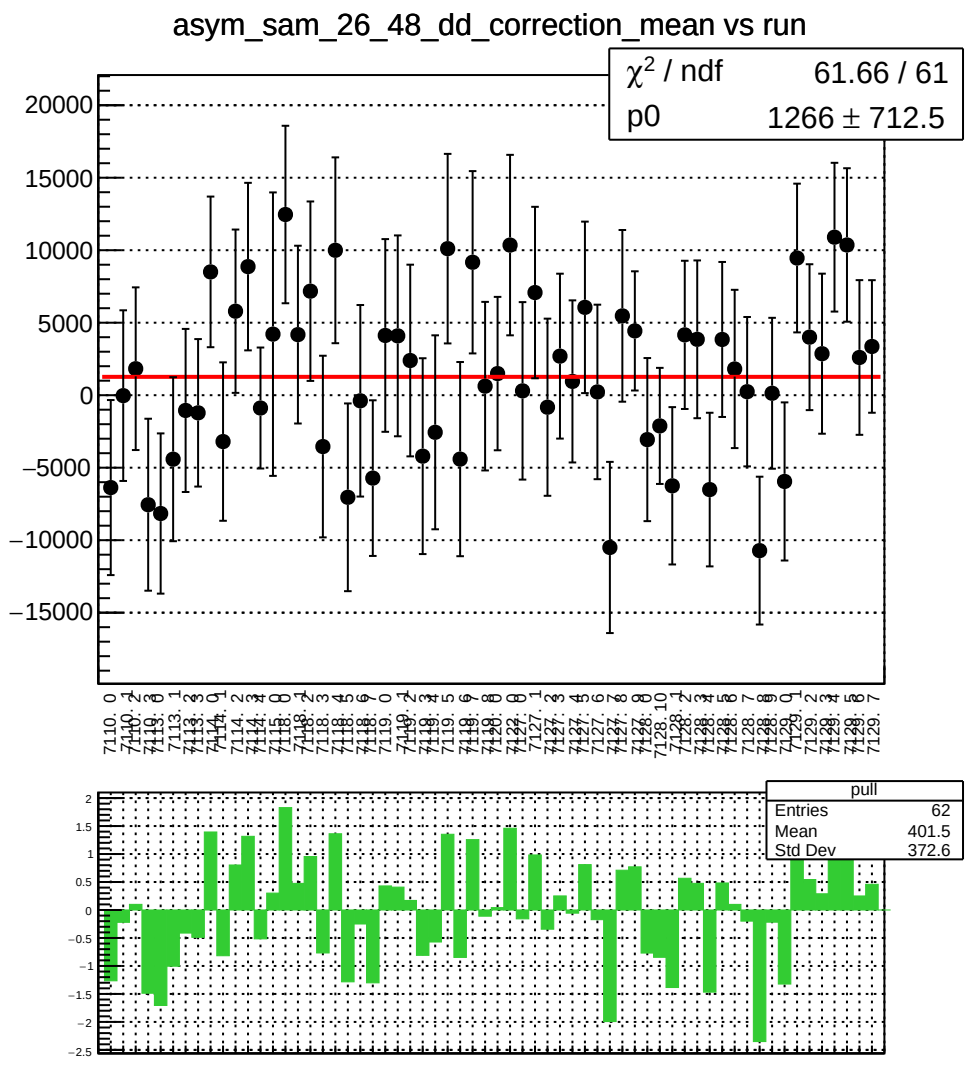

pull1D
Entries 62
Mean −0.02511
Std Dev 1.034

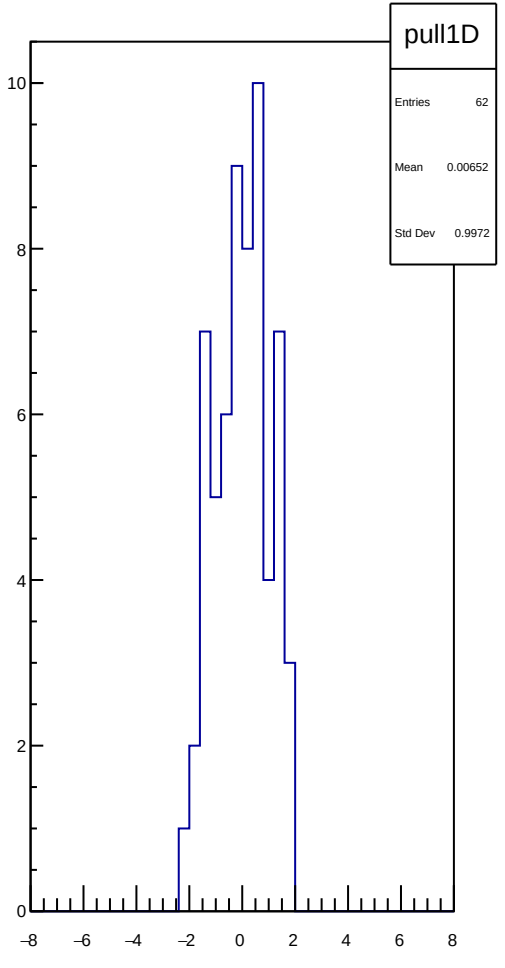

asym_sam_24_68_dd_rms vs run
χ² / ndf 4213 / 61
p0 828.2 ± 0.761
950
900
850
800
750

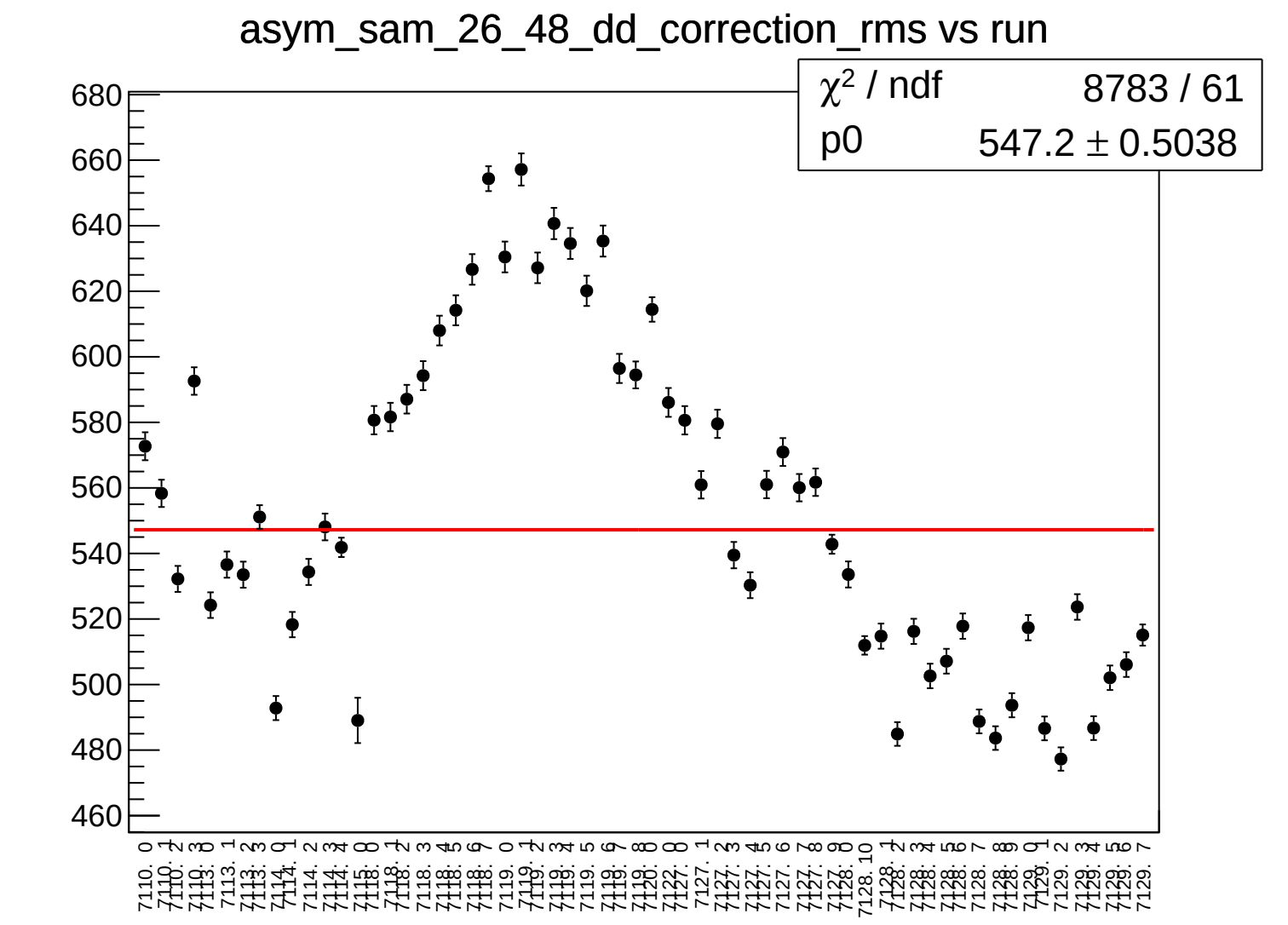

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 54.43 / 61
p0 37.31 ± 134
4000
2000
0
−2000
−4000
pull
Entries 62
Mean 91.79
Std Dev 82.74
2
1.5
1
0.5
0
−0.5
−1
−1.5

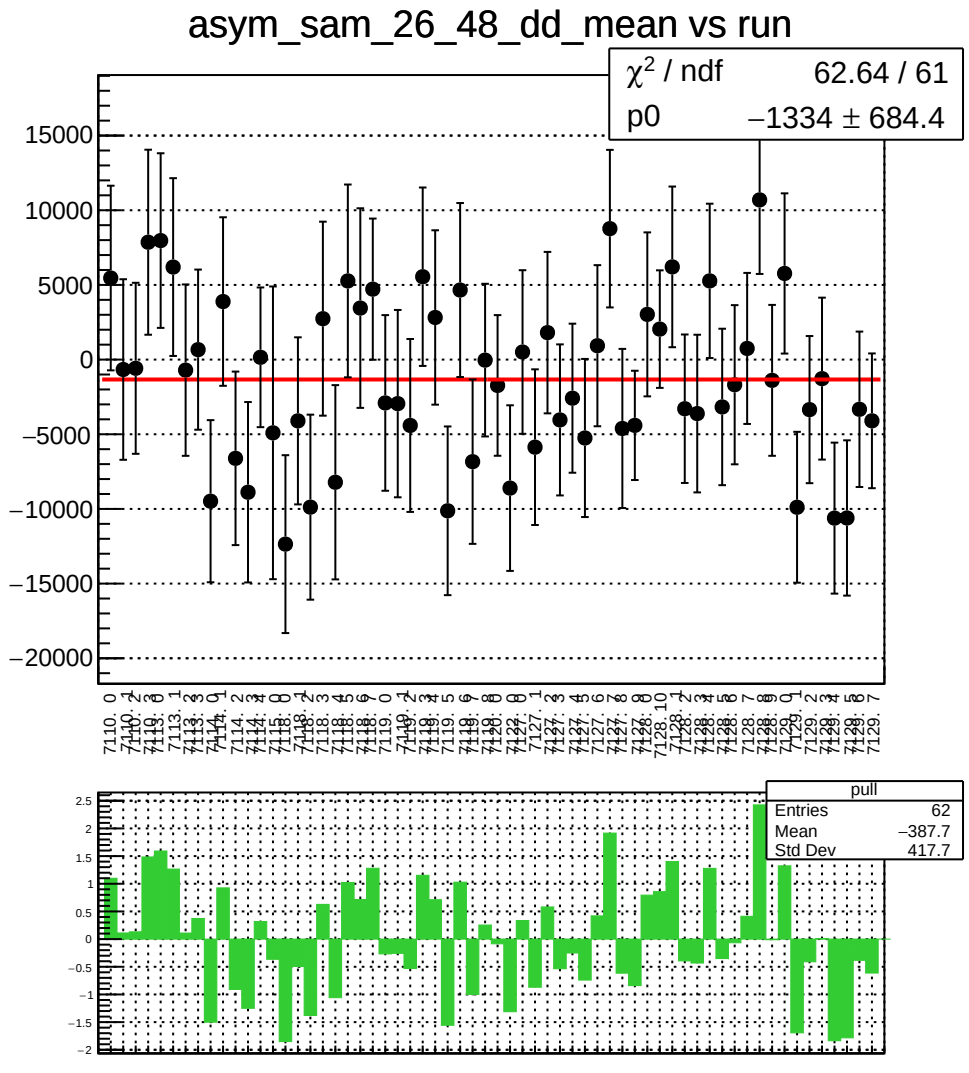

pull1D
Entries 62
Mean 0.01269
Std Dev 0.9369
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

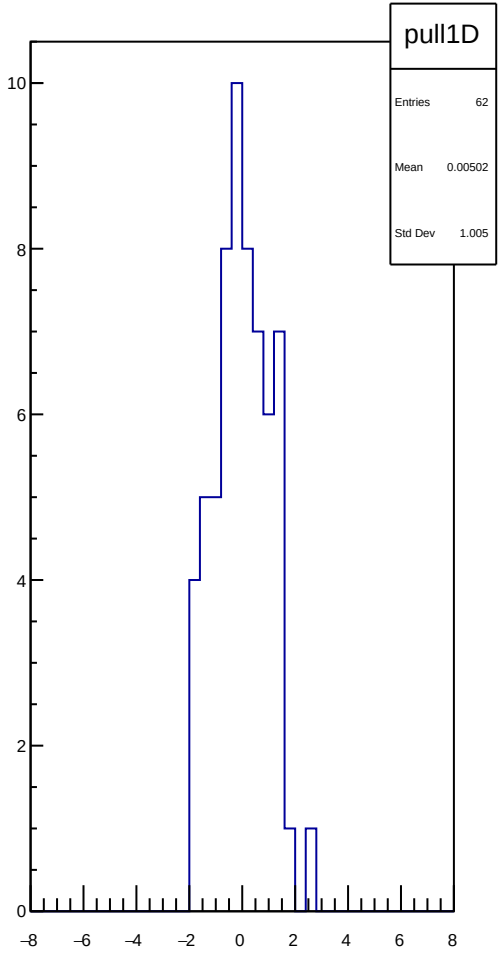

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 5.824e+04 / 61
p0 100.7 ± 0.09474
180
160
140
120
100
80

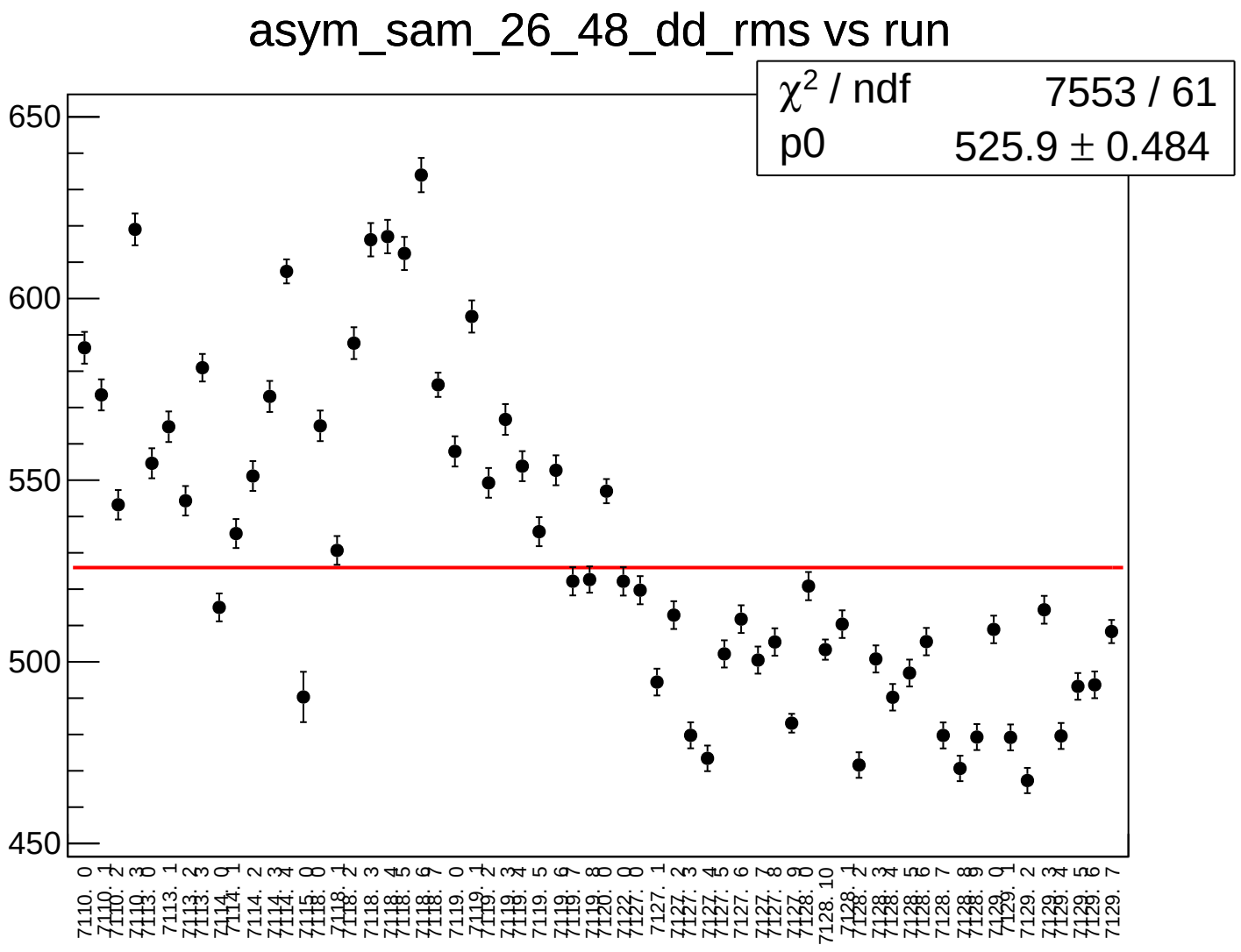

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 61.66 / 61
p0 1266 ± 712.5
pull
Entries 62
Mean 401.5
Std Dev 372.6

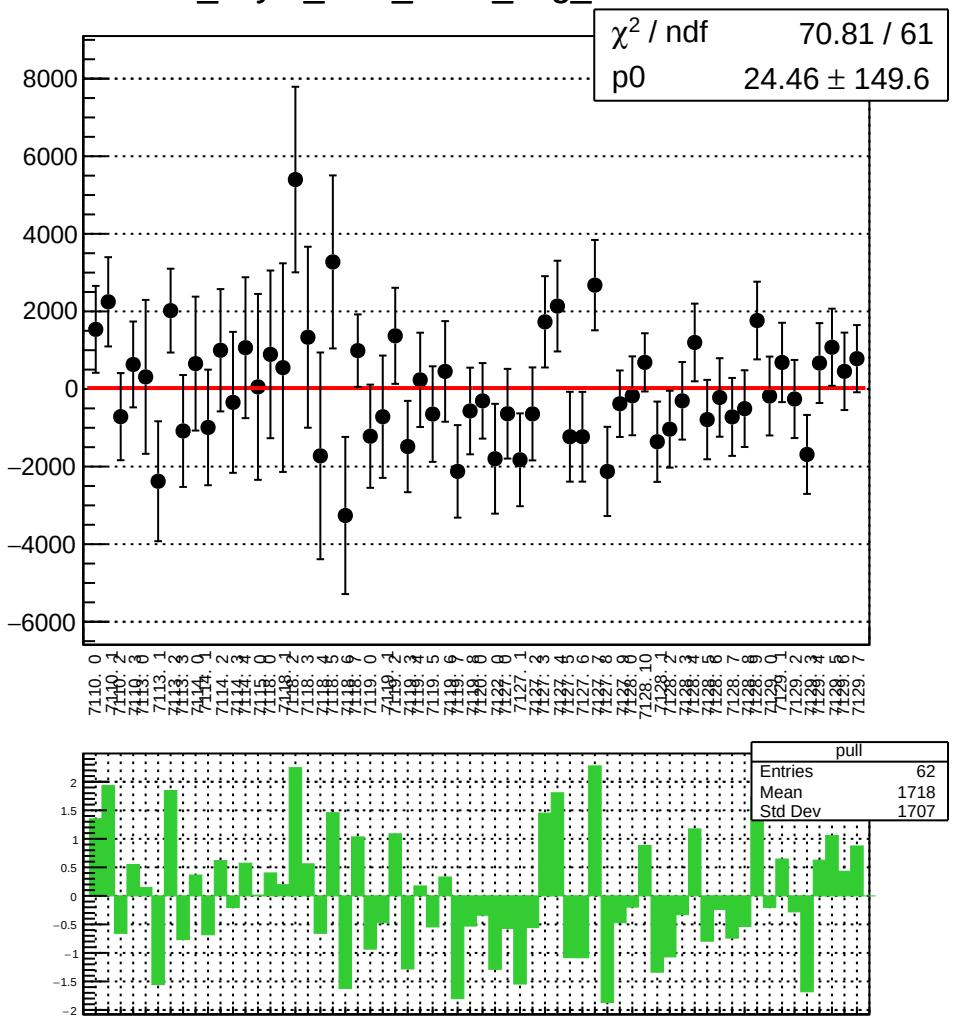

pull1D
Entries 62
Mean 0.00652
Std Dev 0.9972

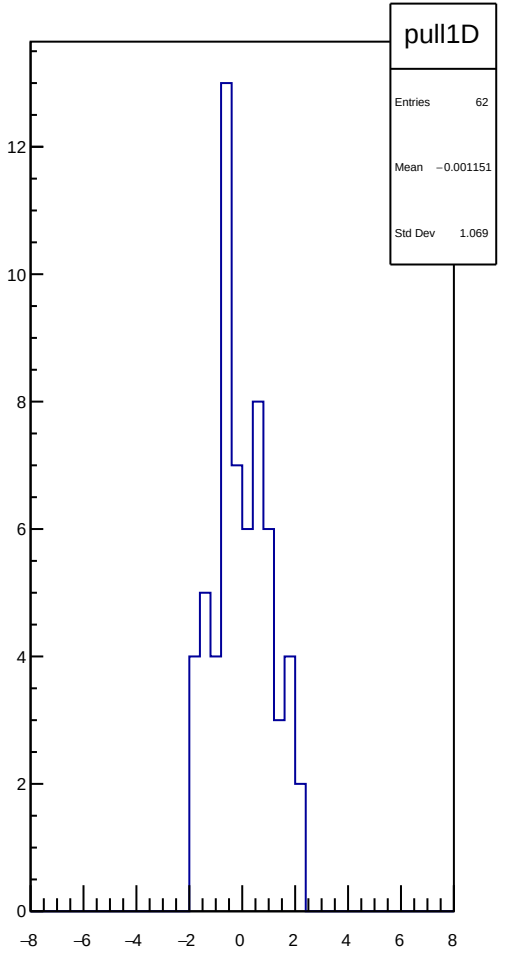

asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 8783 / 61
p0 547.2 ± 0.5038
680
660
640
620
600
580
560
540
520
500
480
460
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
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7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

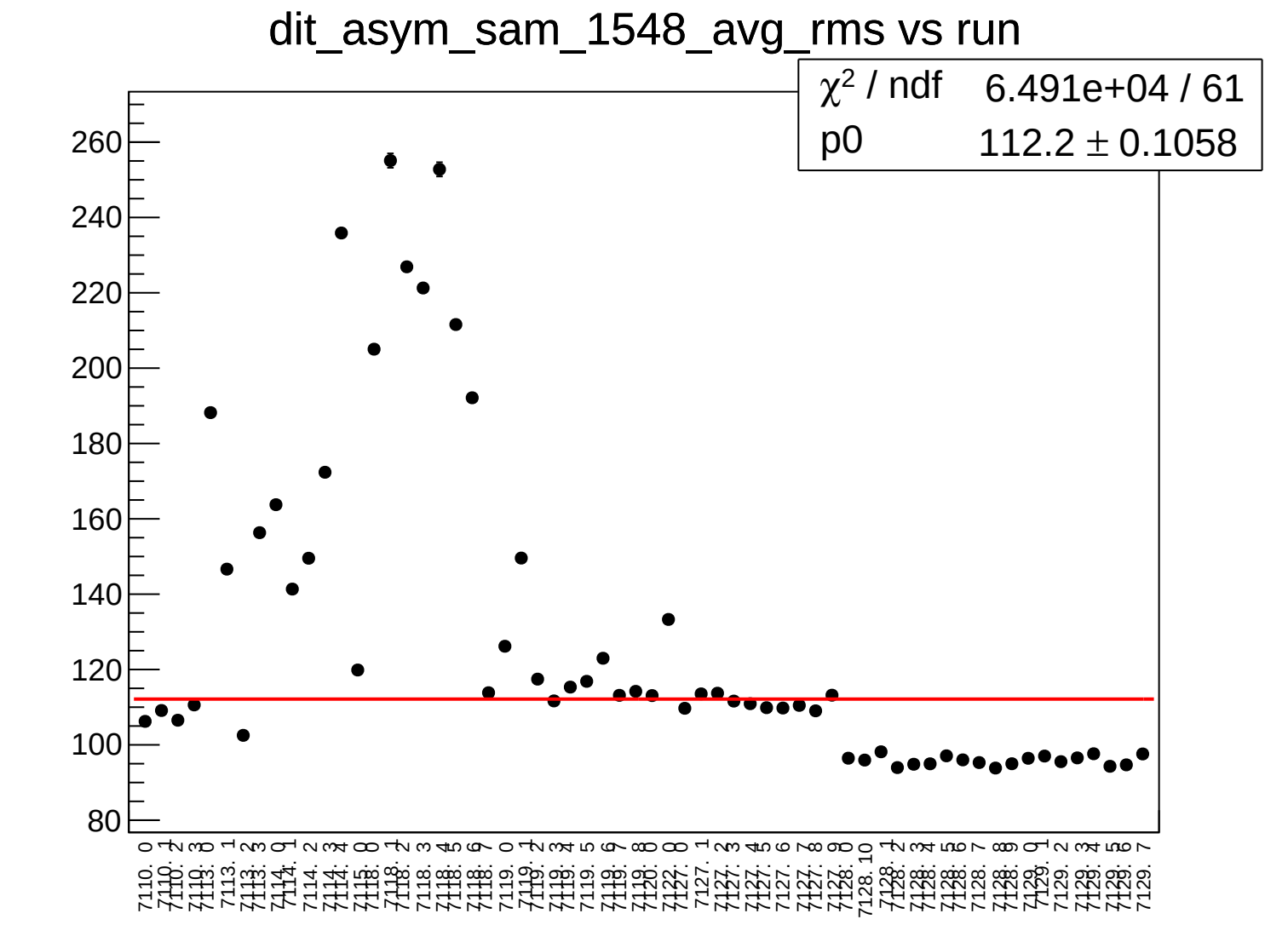

asym_sam_26_48_dd_mean vs run
χ² / ndf 62.64 / 61
p0 −1334 ± 684.4
pull
Entries 62
Mean −387.7
Std Dev 417.7

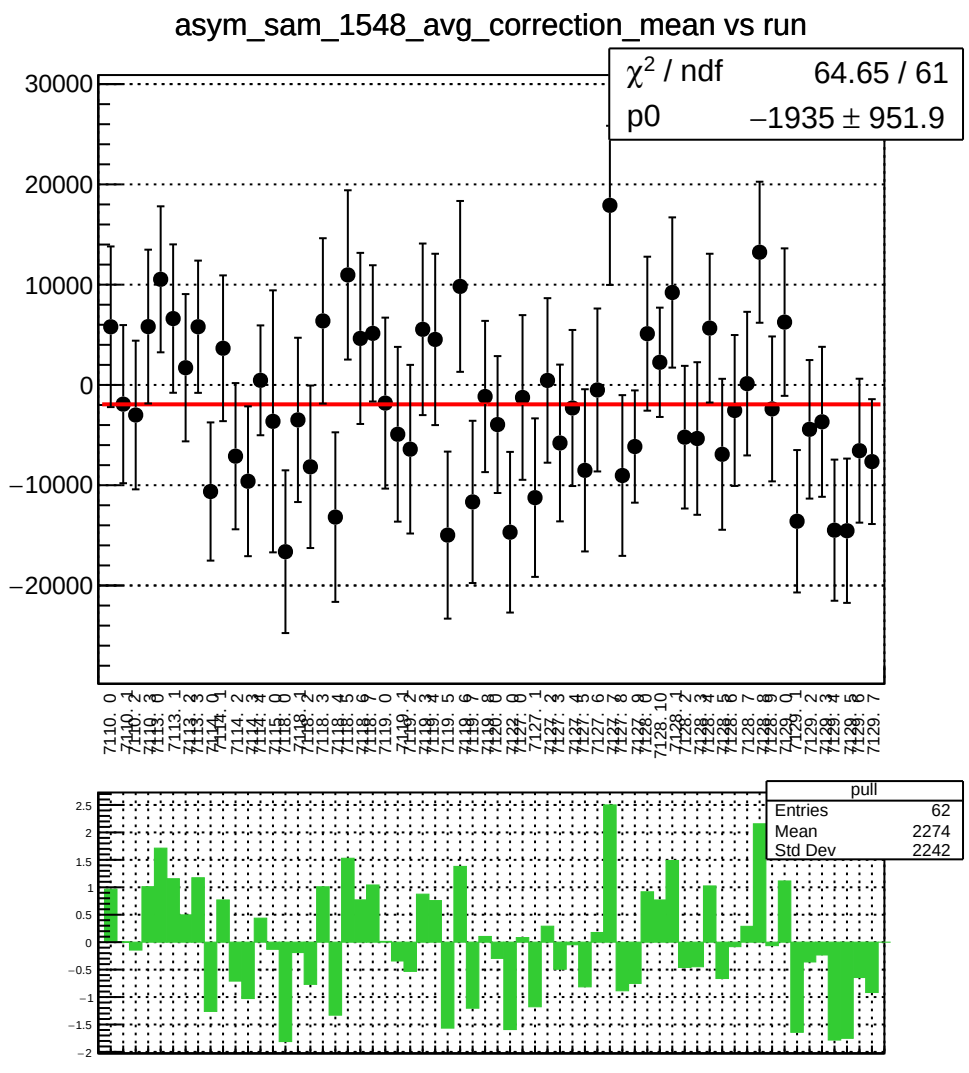

pull1D
Entries 62
Mean 0.00502
Std Dev 1.005

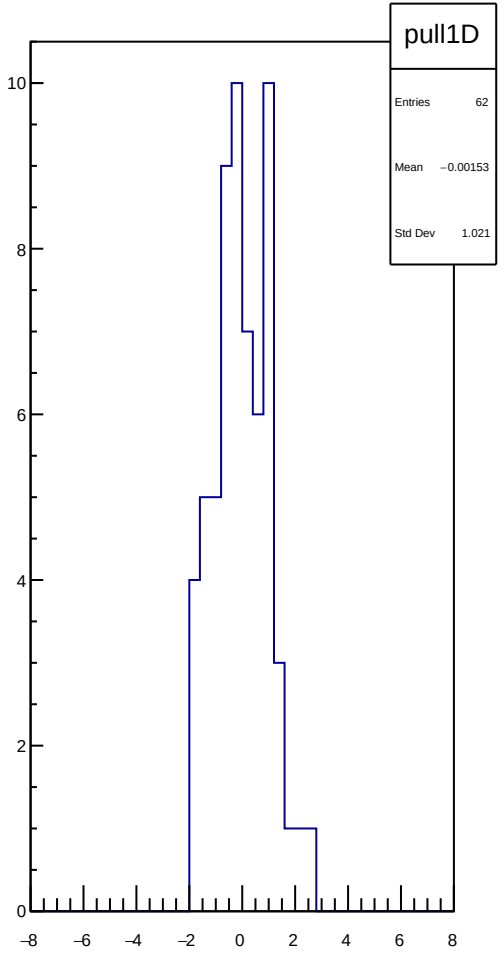

asym_sam_26_48_dd_rms vs run
χ² / ndf 7553 / 61
p0 525.9 ± 0.484
650
600
550
500
450
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

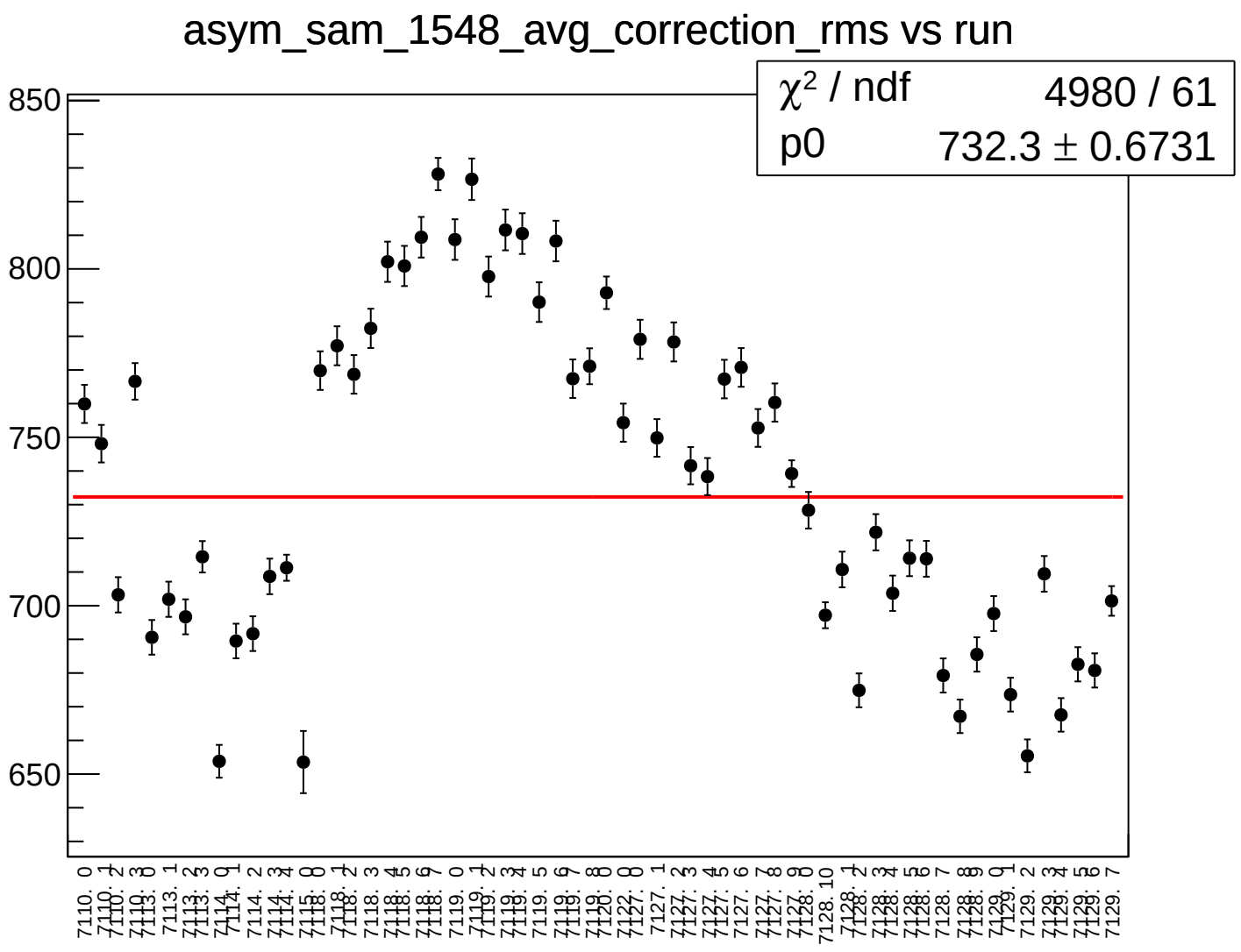

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 70.81 / 61
p0 24.46 ± 149.6
pull
Entries 62
Mean 1718
Std Dev 1707

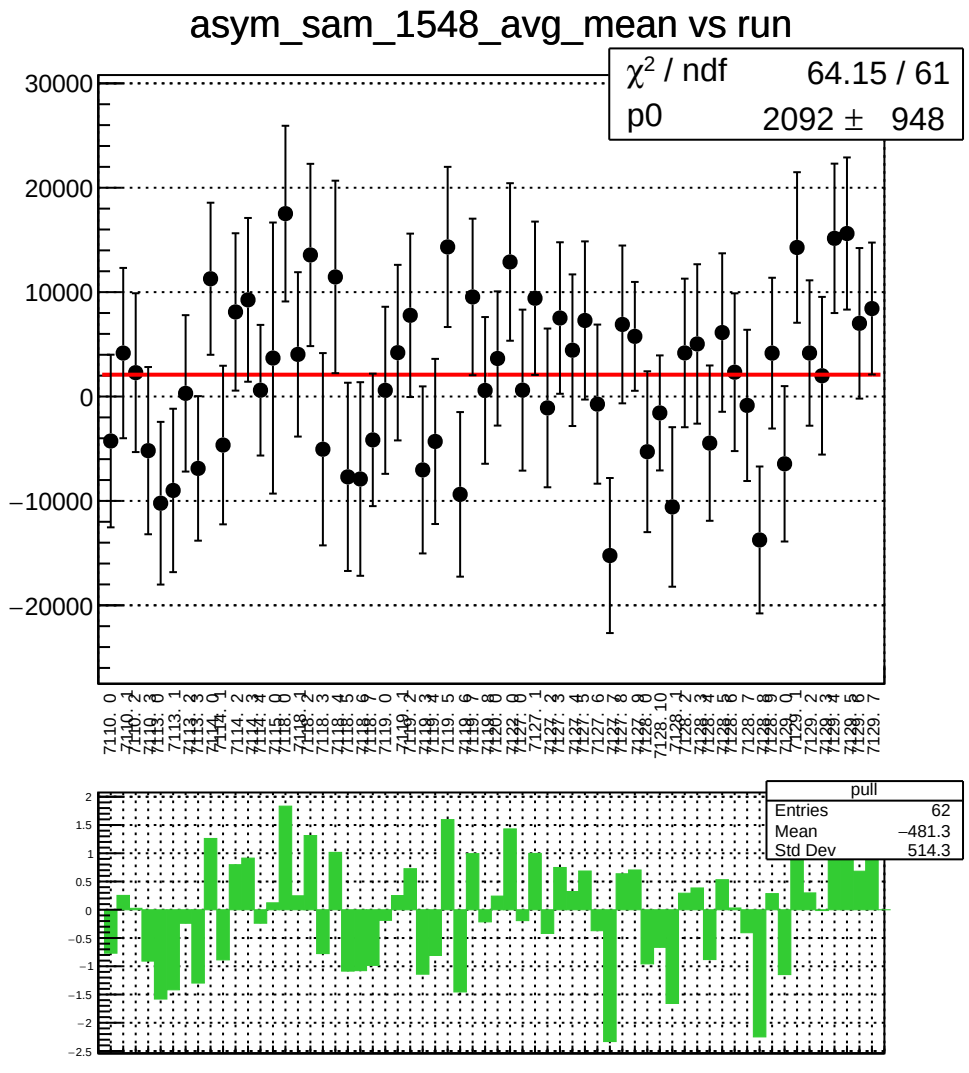

pull1D
Entries 62
Mean −0.001151
Std Dev 1.069

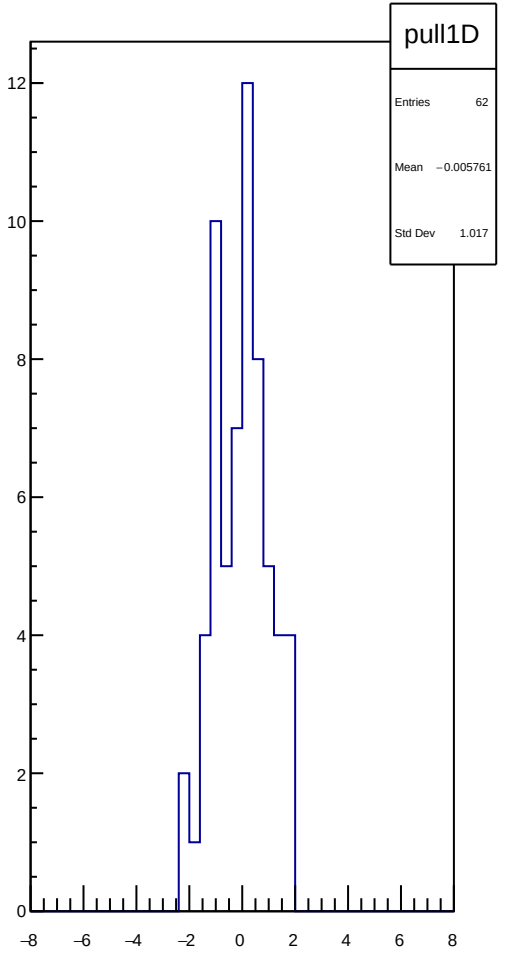

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 6.491e+04 / 61
p0 112.2 ± 0.1058
260
240
220
200
180
160
140
120
100
80

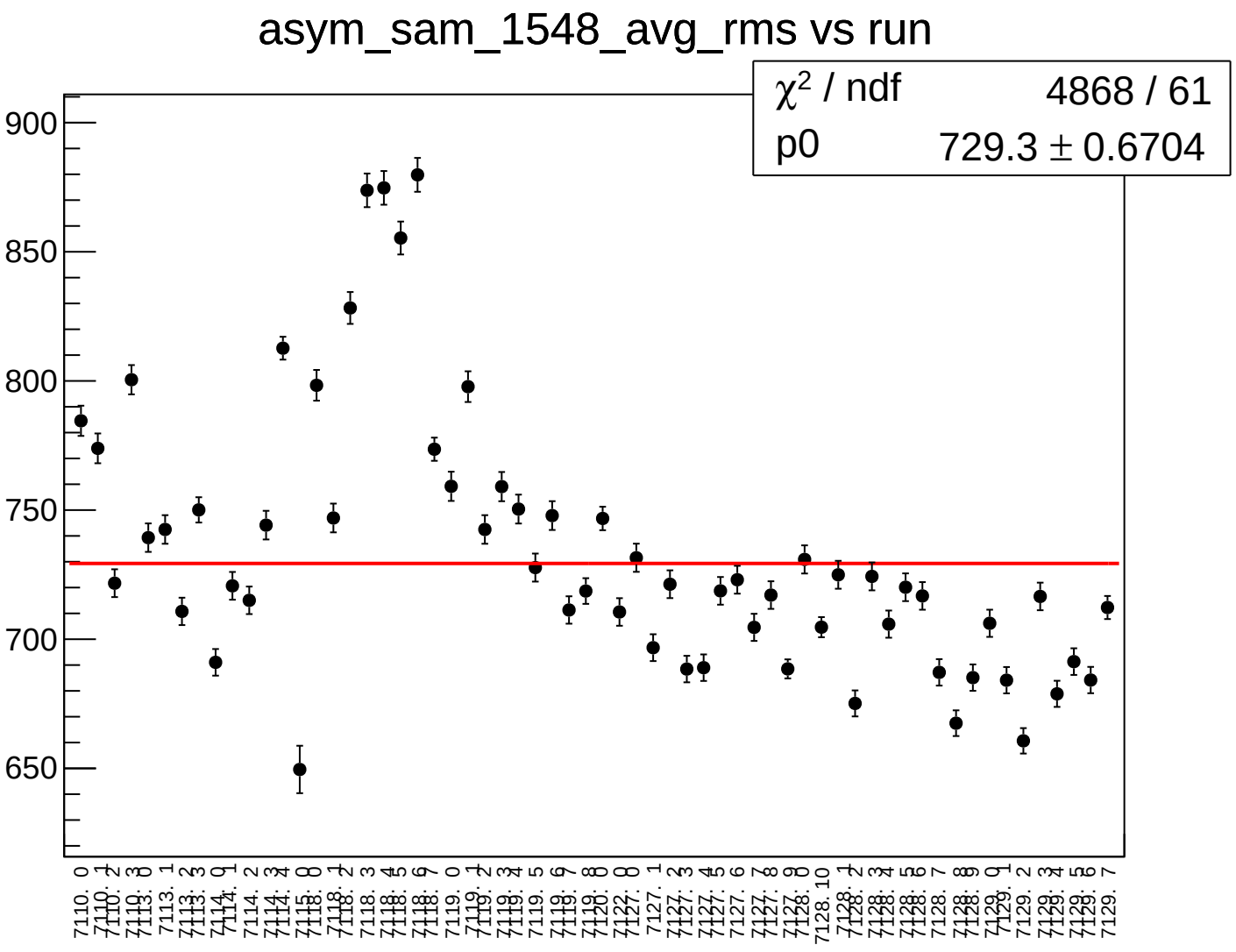

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 64.65 / 61
p0 −1935 ± 951.9
pull
Entries 62
Mean 2274
Std Dev 2242

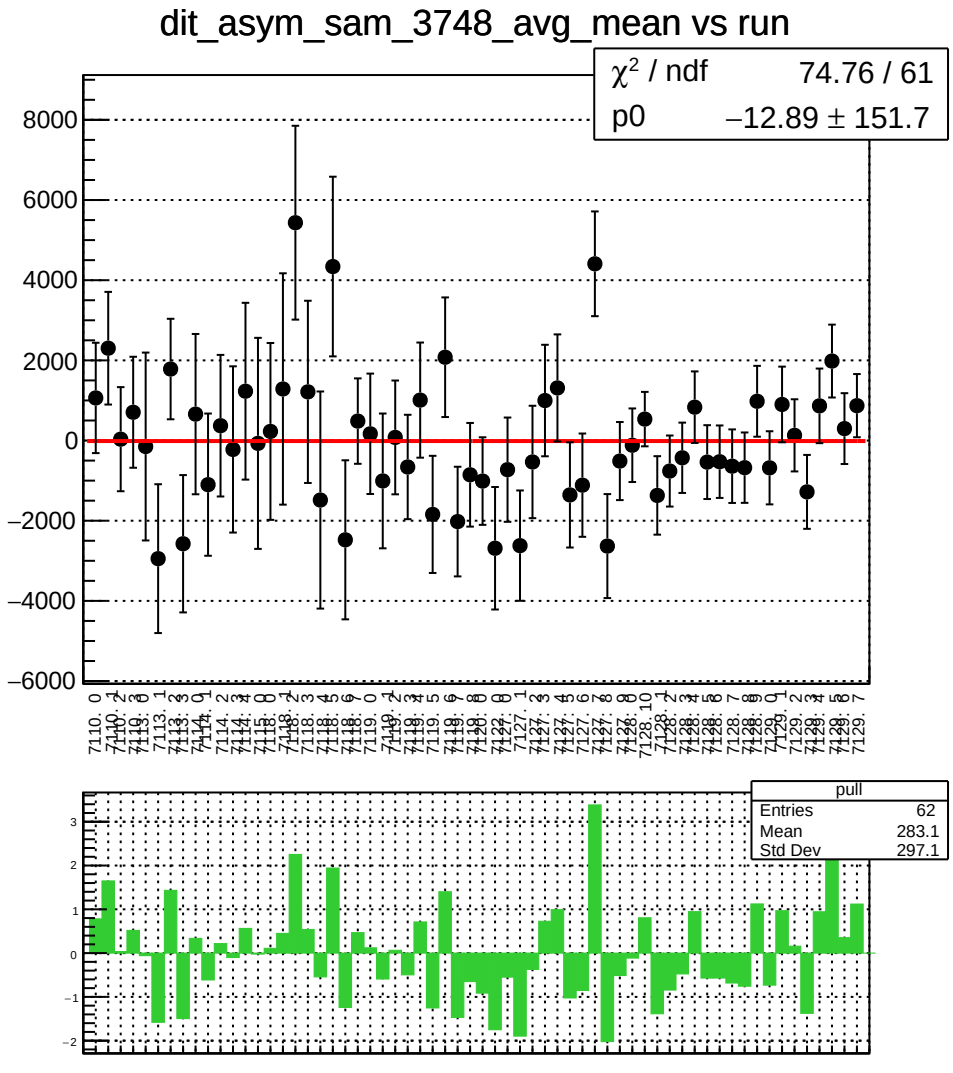

pull1D
Entries 62
Mean −0.00153
Std Dev 1.021

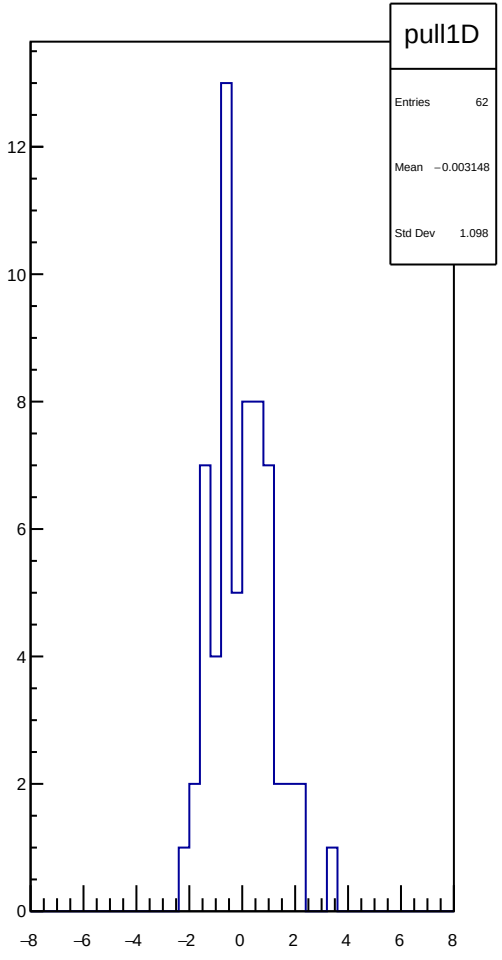

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 4980 / 61
p0 732.3 ± 0.6731
850
800
750
700
650

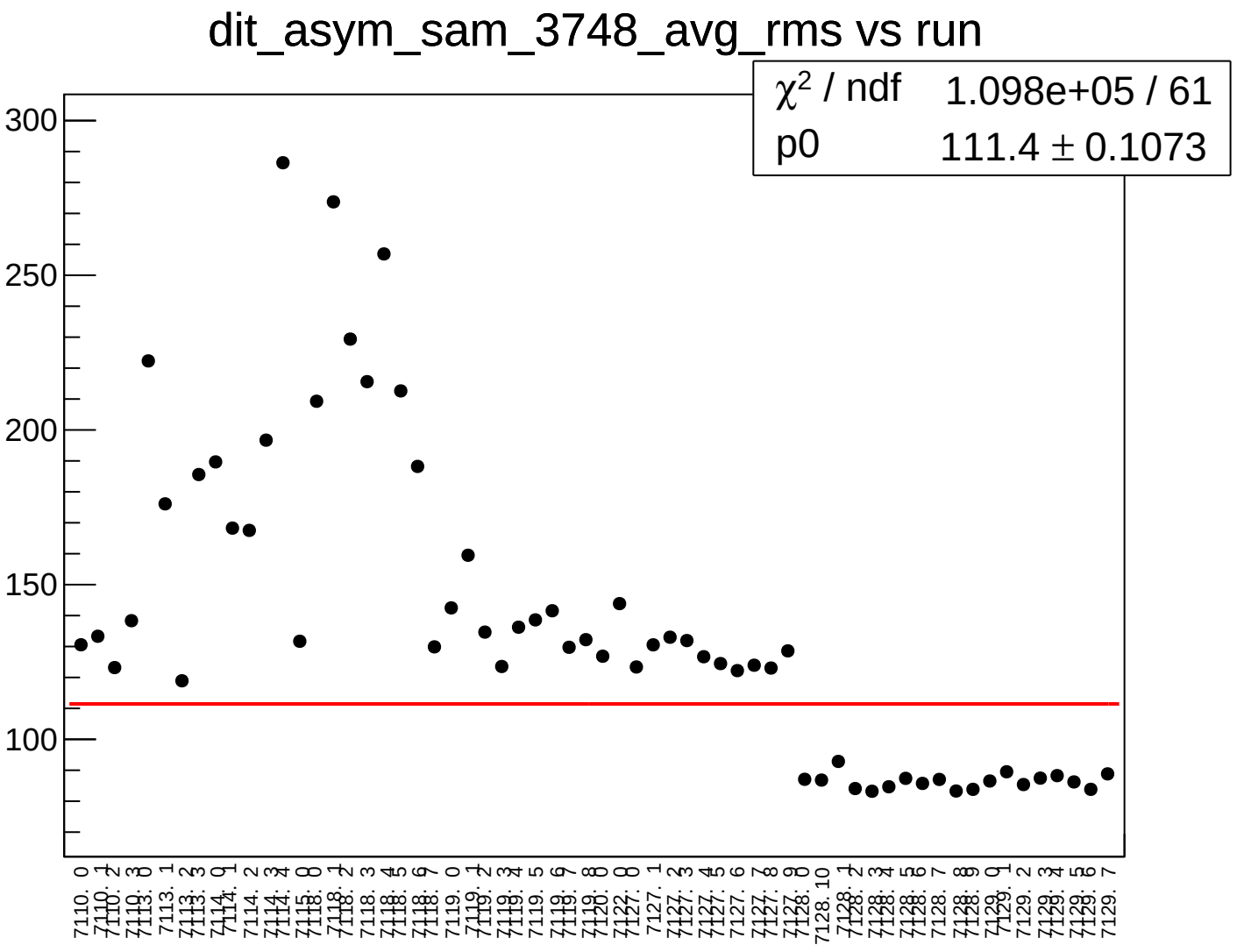

asym_sam_1548_avg_mean vs run
χ² / ndf 64.15 / 61
p0 2092 ± 948
pull
Entries 62
Mean −481.3
Std Dev 514.3

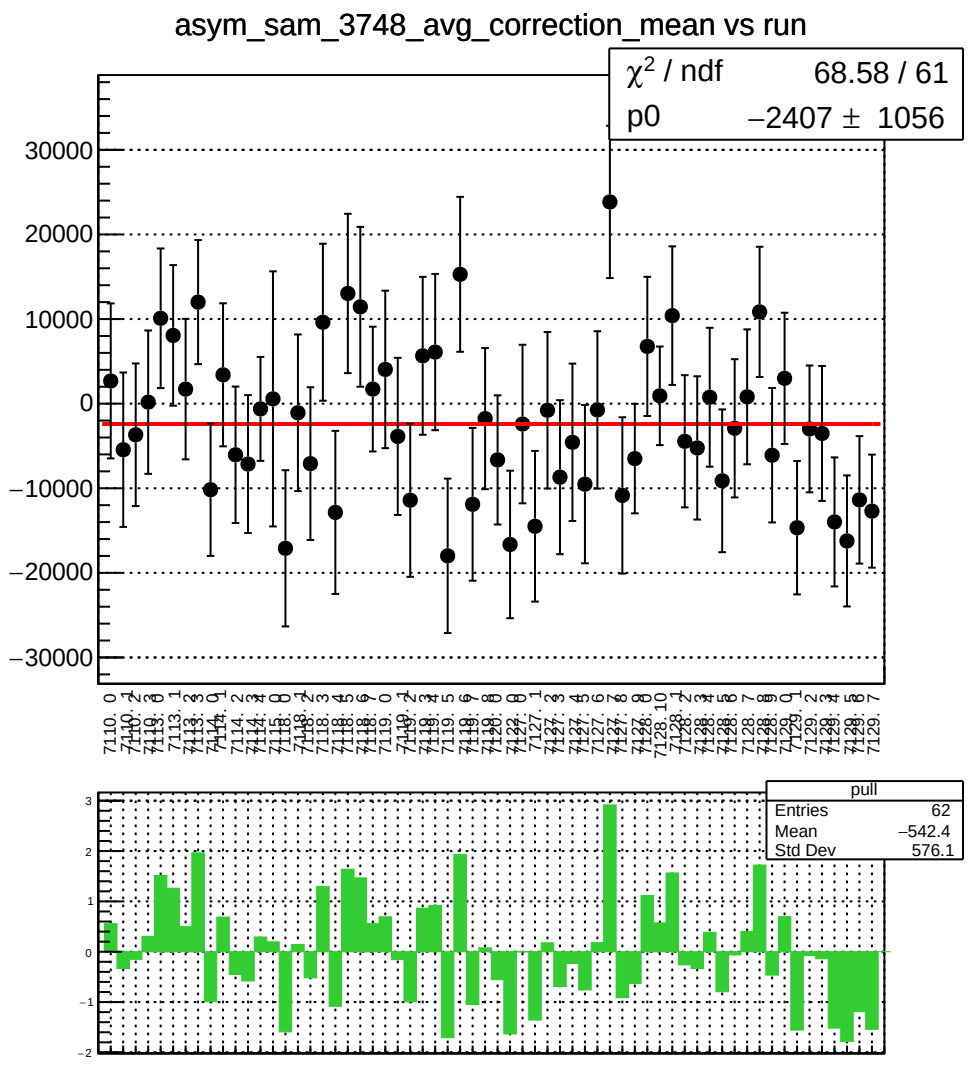

pull1D
Entries 62
Mean −0.005761
Std Dev 1.017

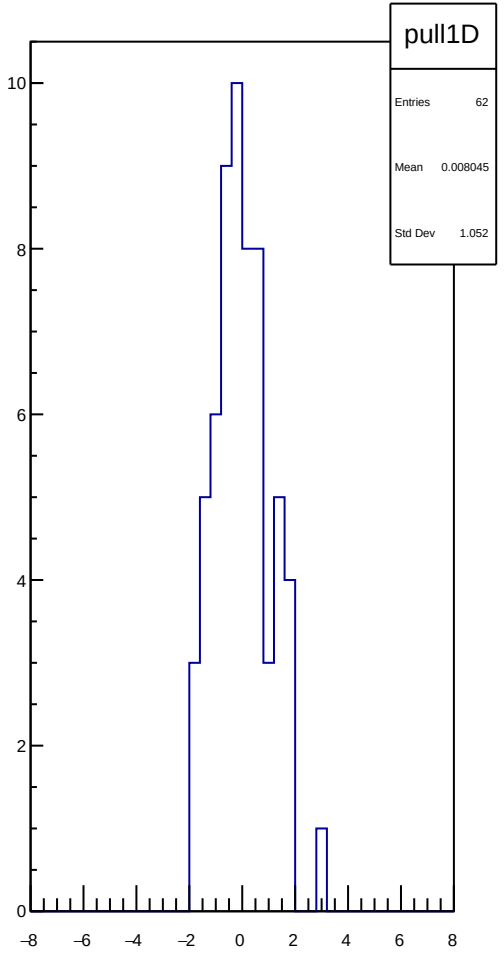

asym_sam_1548_avg_rms vs run
χ² / ndf 4868 / 61
p0 729.3 ± 0.6704
900
850
800
750
700
650

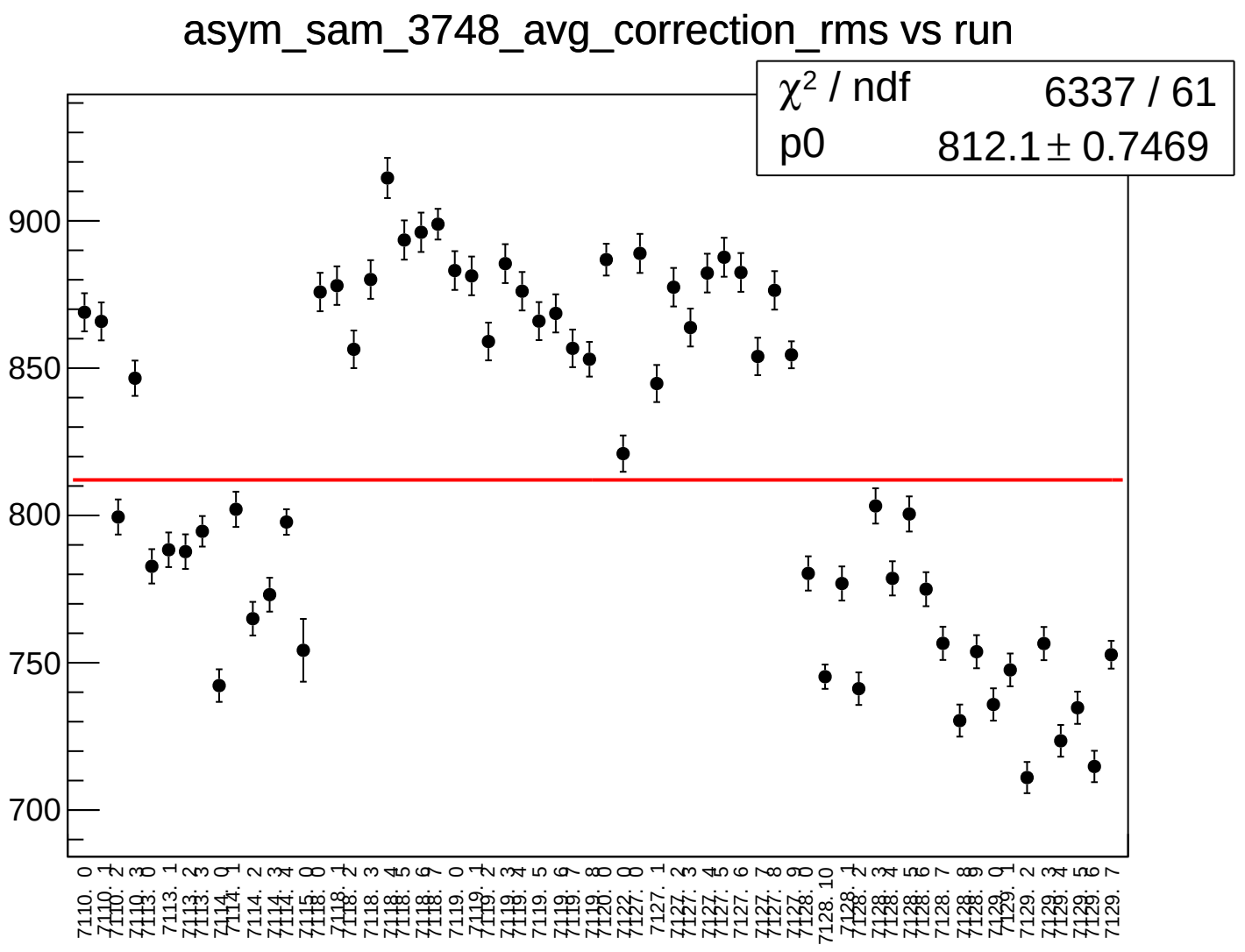

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 74.76 / 61
p0 −12.89 ± 151.7
pull
Entries 62
Mean 283.1
Std Dev 297.1

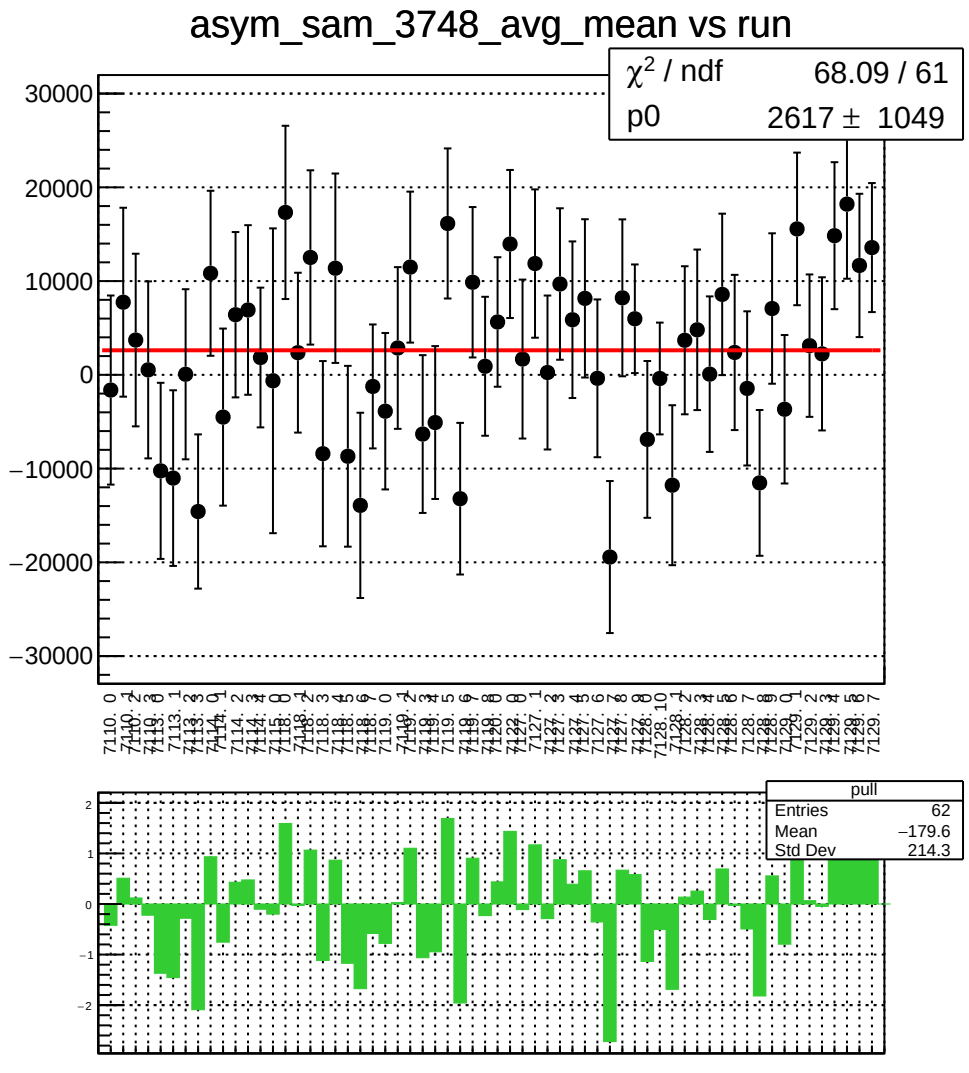

pull1D
Entries 62
Mean −0.003148
Std Dev 1.098

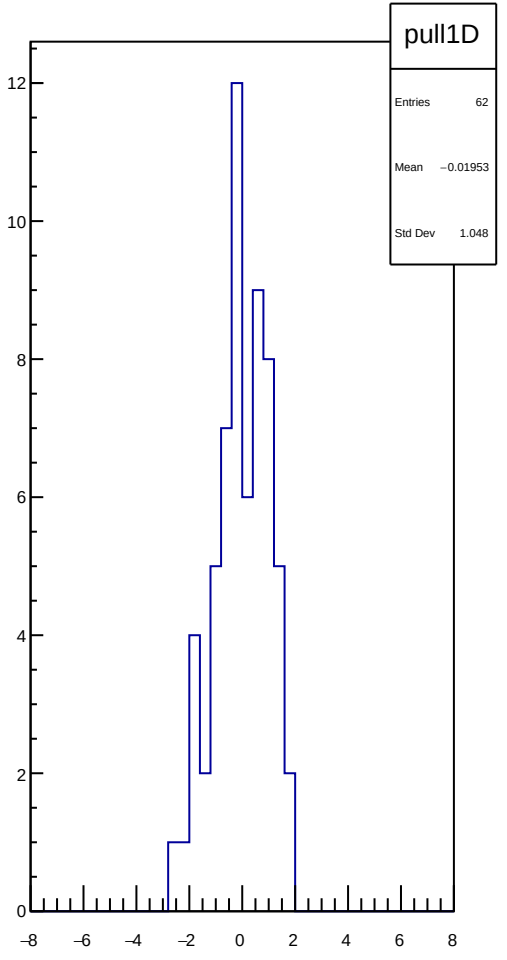

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.098e+05 / 61
p0 111.4 ± 0.1073
300
250
200
150
100

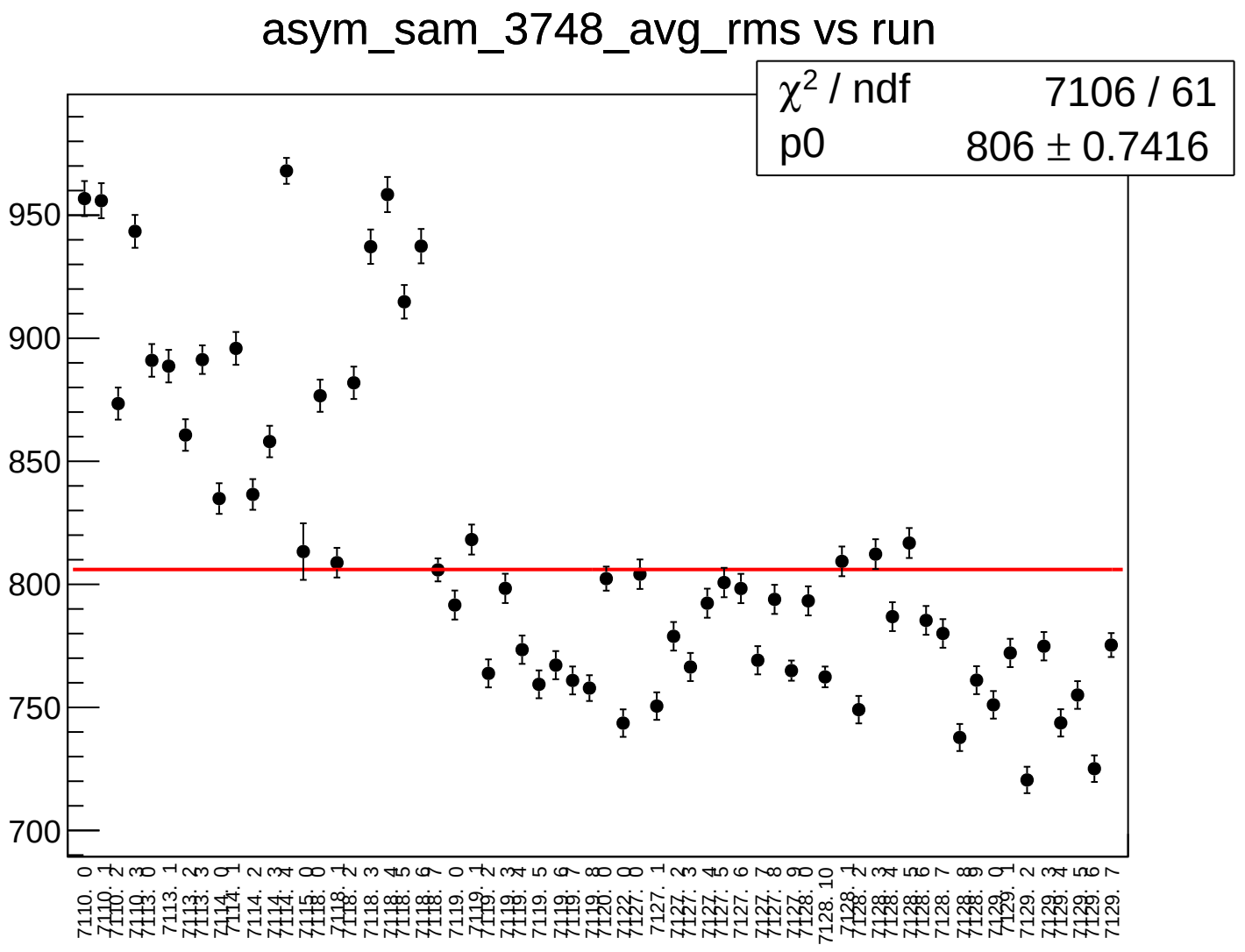

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 68.58 / 61
p0 −2407 ± 1056
pull
Entries 62
Mean −542.4
Std Dev 576.1

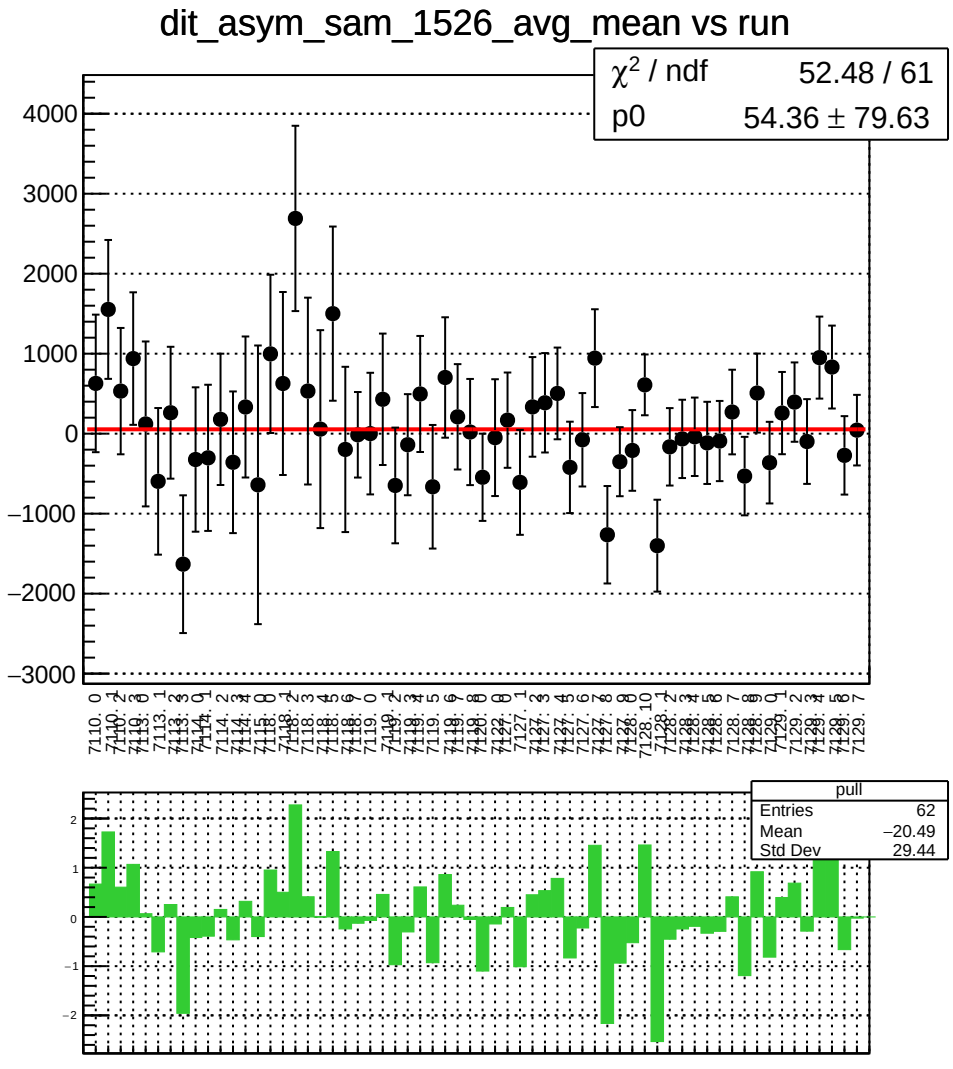

pull1D
Entries 62
Mean 0.008045
Std Dev 1.052

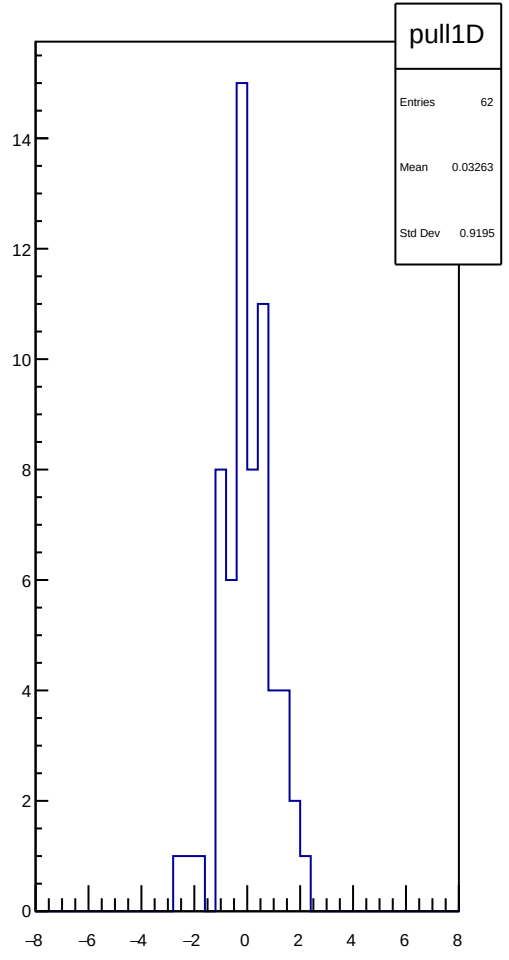

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 6337 / 61
p0 812.1 ± 0.7469
900
850
800
750
700
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

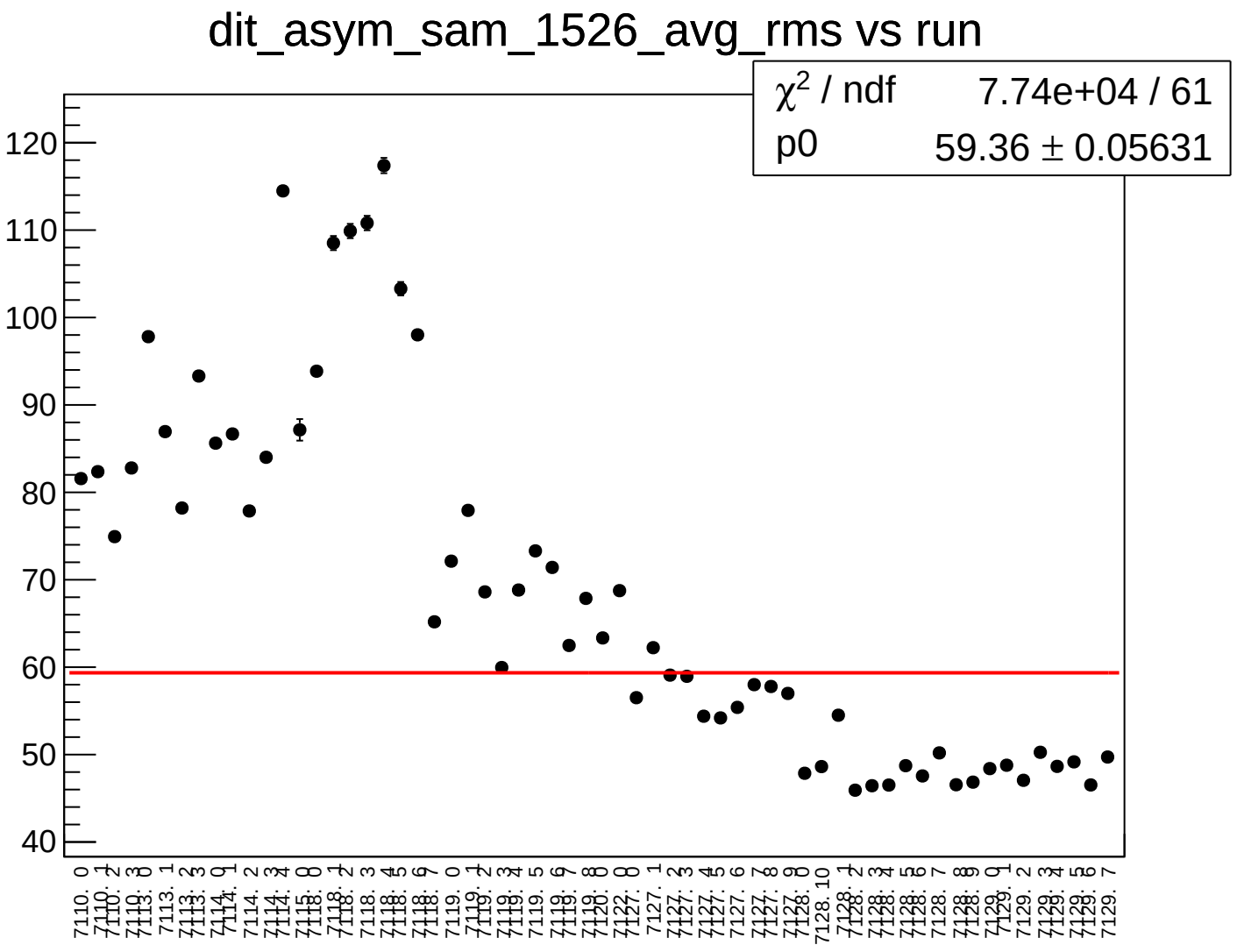

asym_sam_3748_avg_mean vs run
χ² / ndf 68.09 / 61
p0 2617 ± 1049
pull
Entries 62
Mean −179.6
Std Dev 214.3

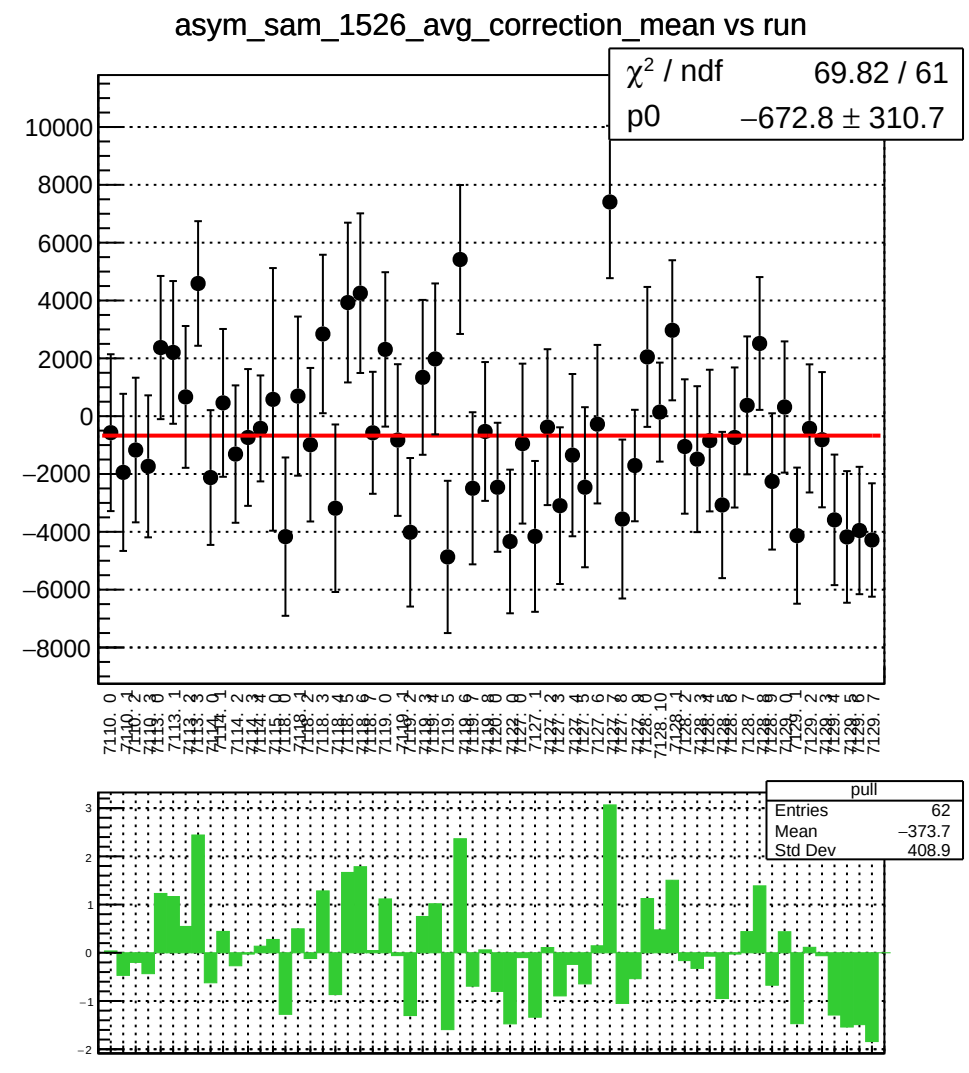

pull1D
Entries 62
Mean −0.01953
Std Dev 1.048

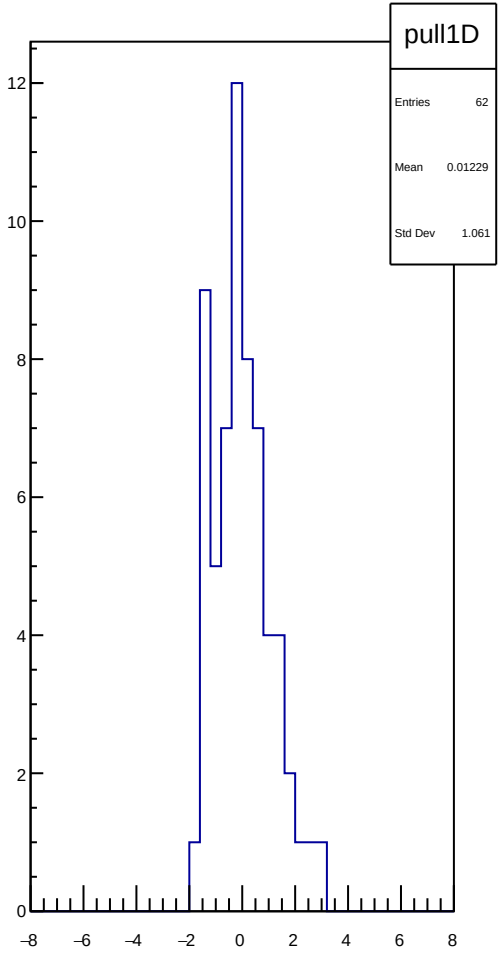

asym_sam_3748_avg_rms vs run
χ^2 / ndf 7106 / 61
p0 806 ± 0.7416
950
900
850
800
750
700

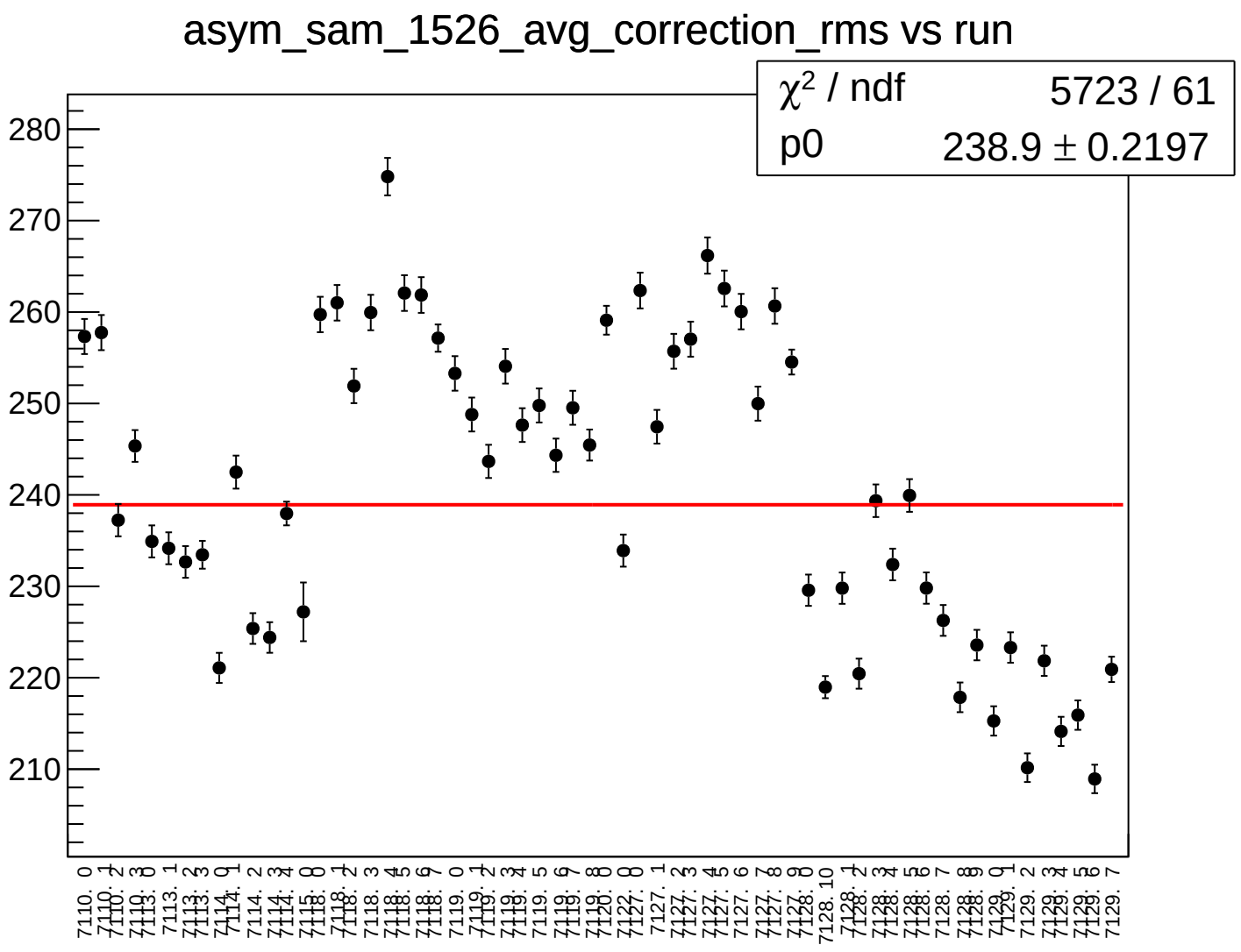

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 52.48 / 61
p0 54.36 ± 79.63
pull
Entries 62
Mean −20.49
Std Dev 29.44

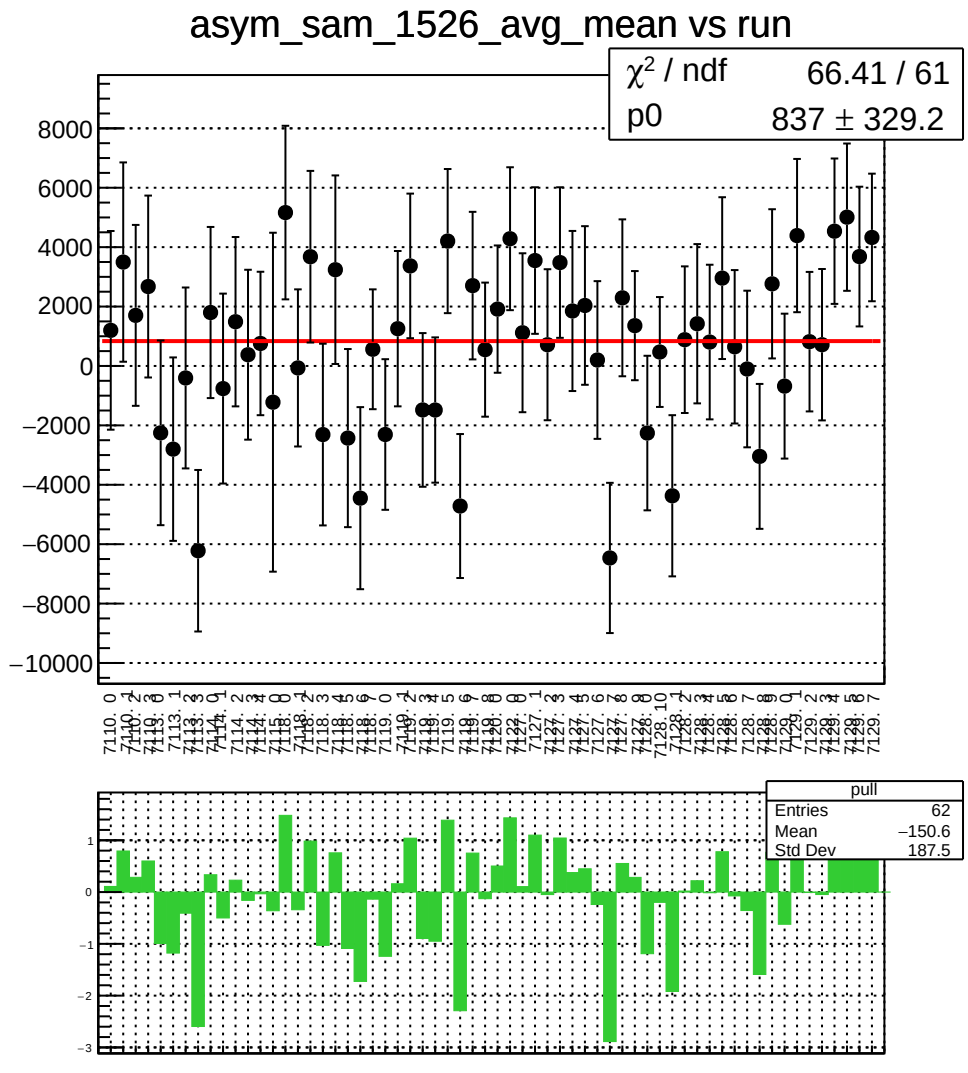

pull1D
Entries 62
Mean 0.03263
Std Dev 0.9195

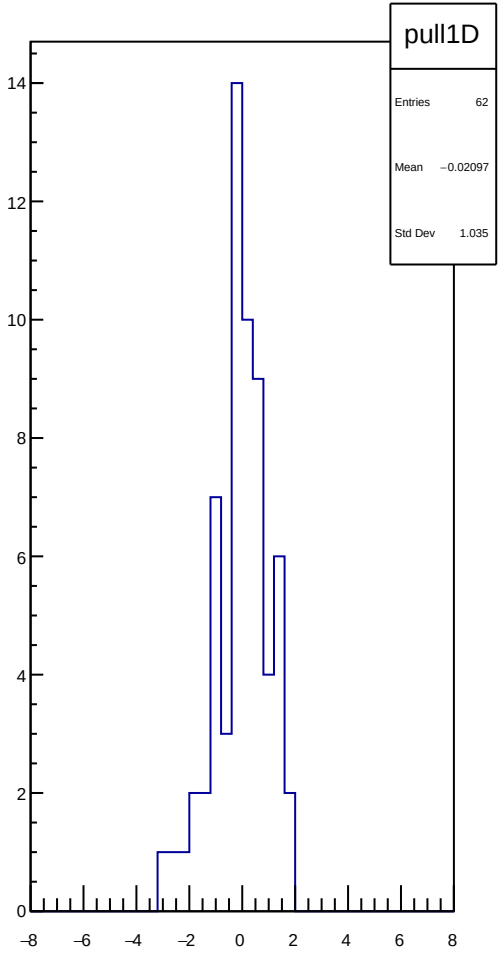

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 7.74e+04 / 61
p0 59.36 ± 0.05631
120
110
100
90
80
70
60
50
40

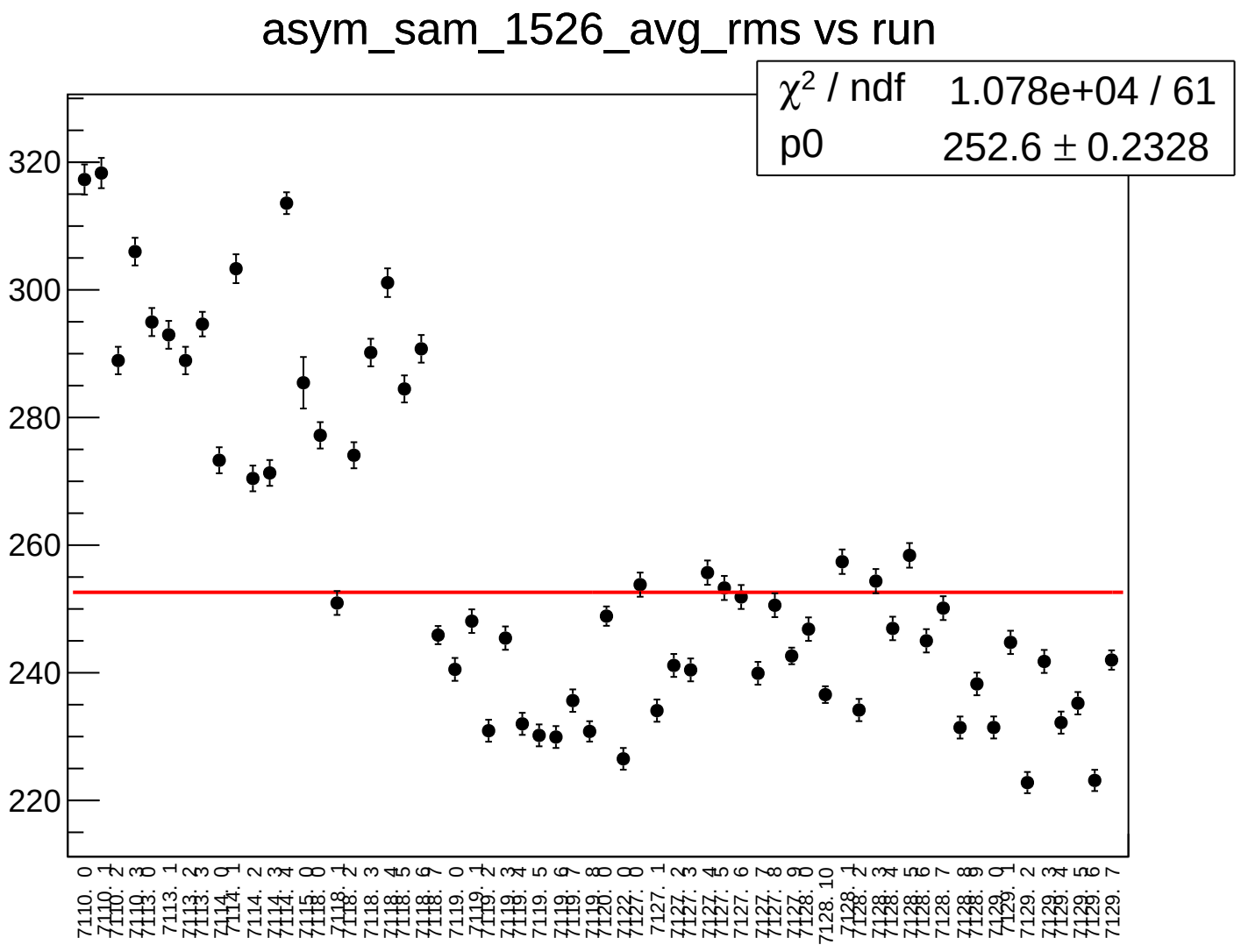

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 69.82 / 61
p0 −672.8 ± 310.7
pull
Entries 62
Mean −373.7
Std Dev 408.9

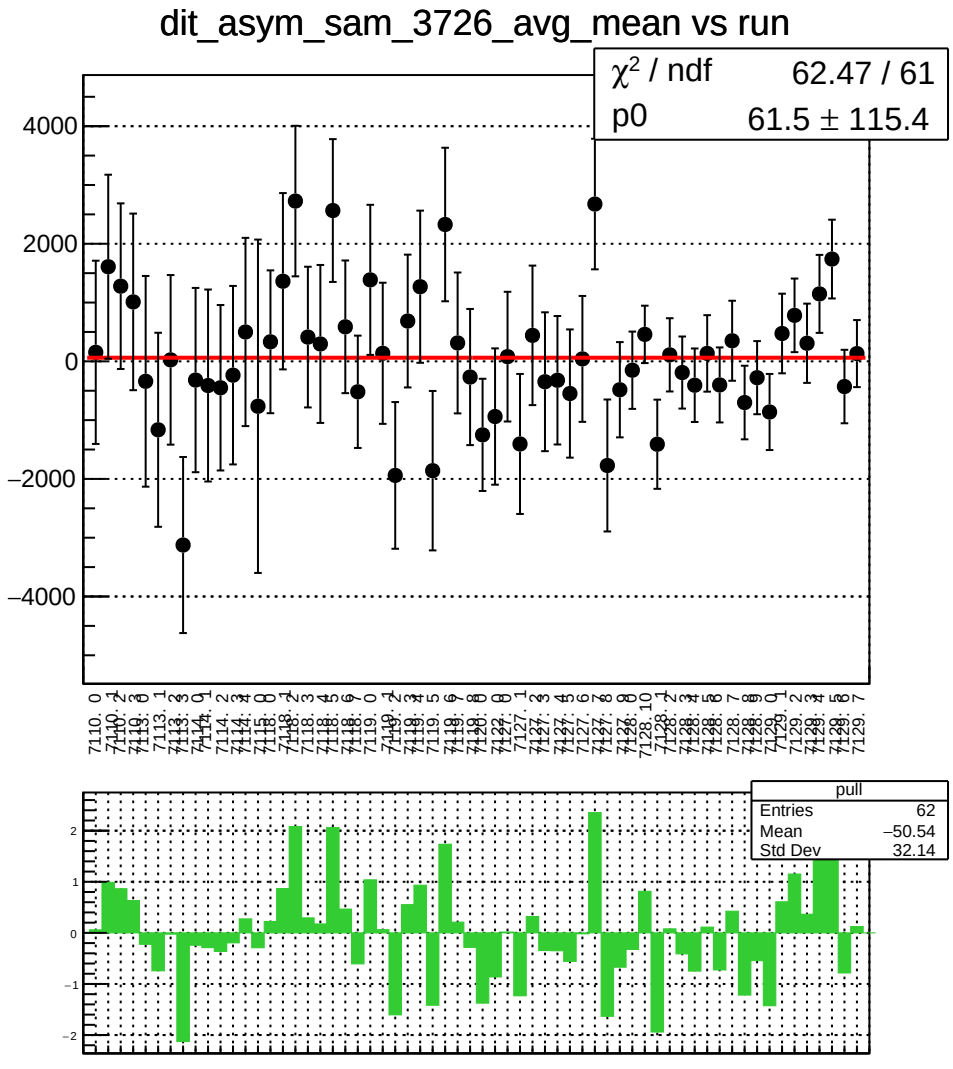

pull1D
Entries 62
Mean 0.01229
Std Dev 1.061

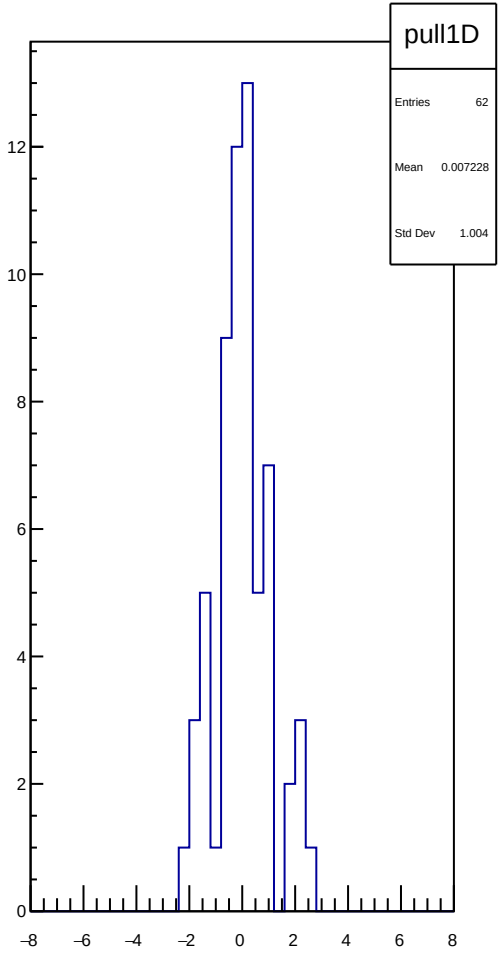

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 5723 / 61
p0 238.9 ± 0.2197
280
270
260
250
240
230
220
210

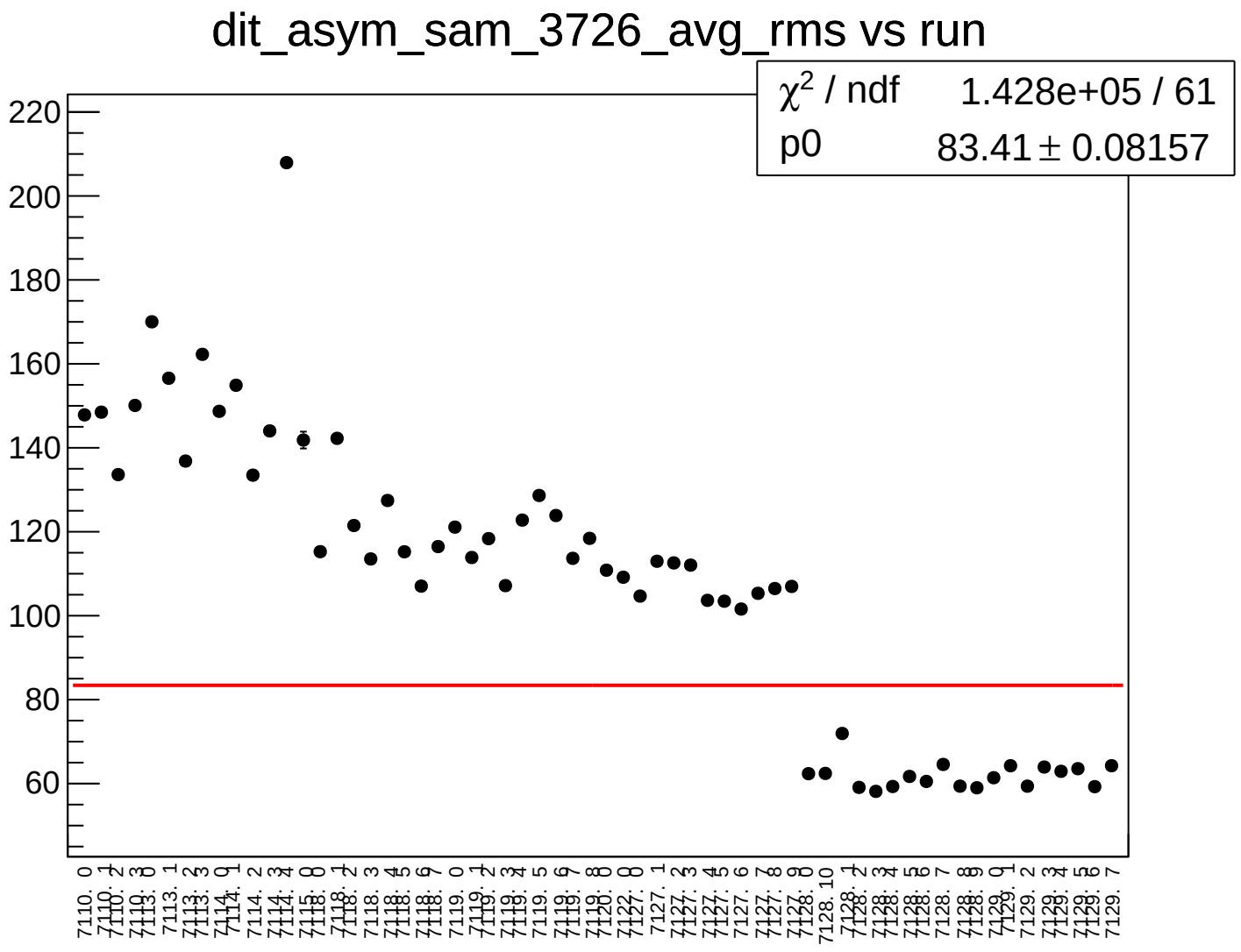

asym_sam_1526_avg_mean vs run
χ² / ndf 66.41 / 61
p0 837 ± 329.2
pull
Entries 62
Mean −150.6
Std Dev 187.5

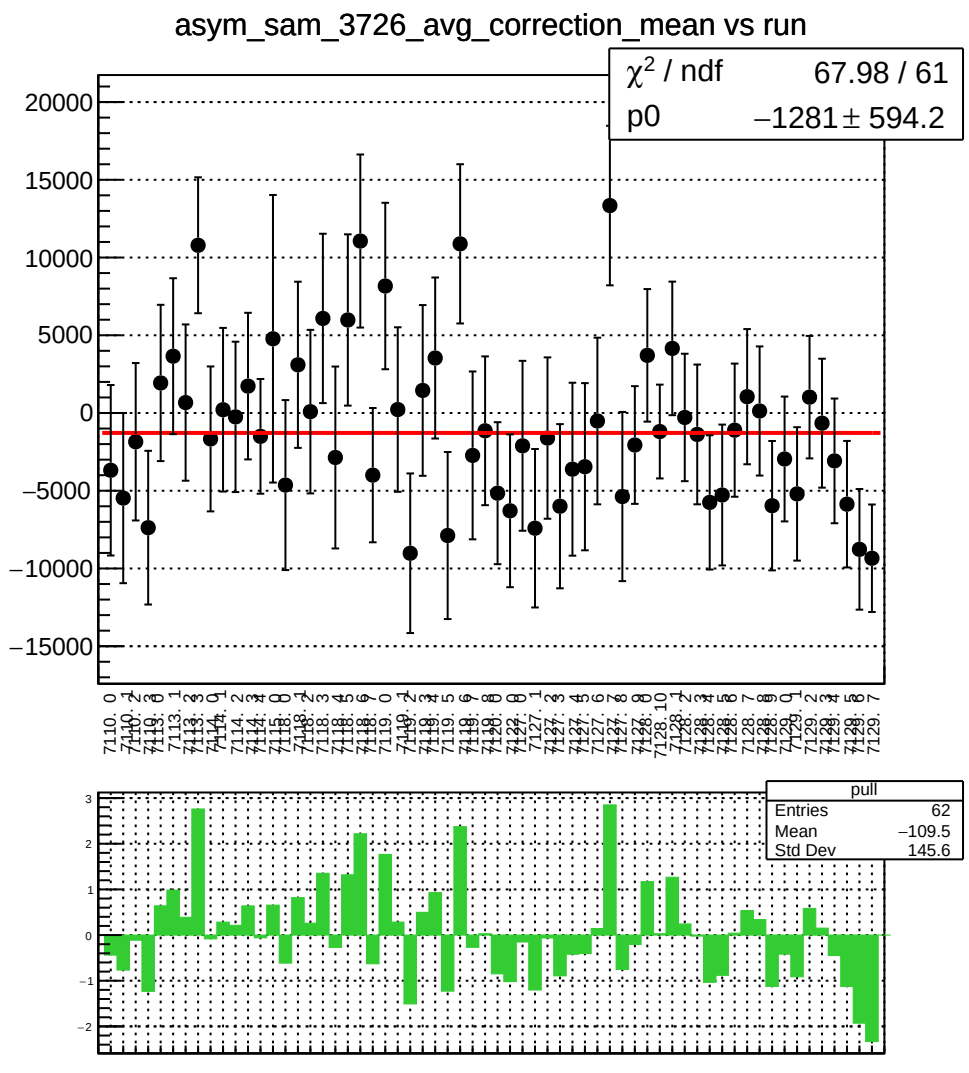

pull1D
Entries 62
Mean −0.02097
Std Dev 1.035

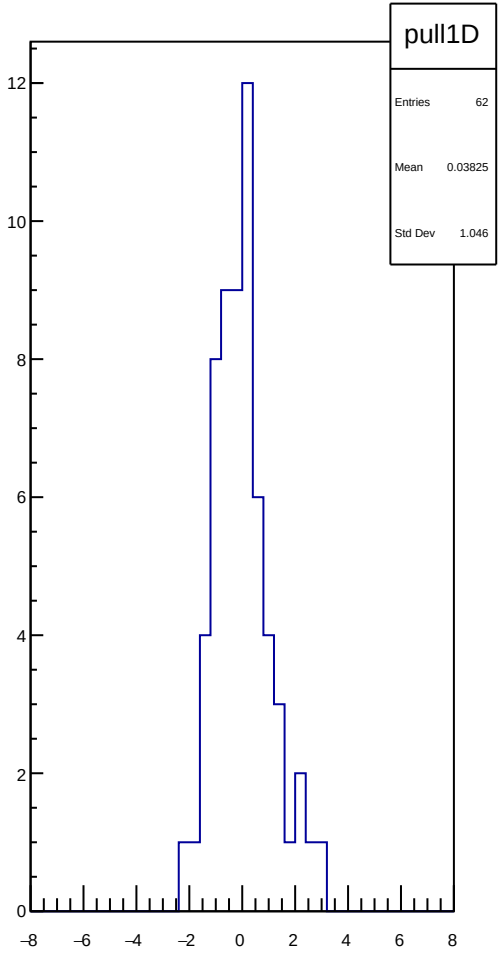

asym_sam_1526_avg_rms vs run
χ² / ndf 1.078e+04 / 61
p0 252.6 ± 0.2328
320
300
280
260
240
220

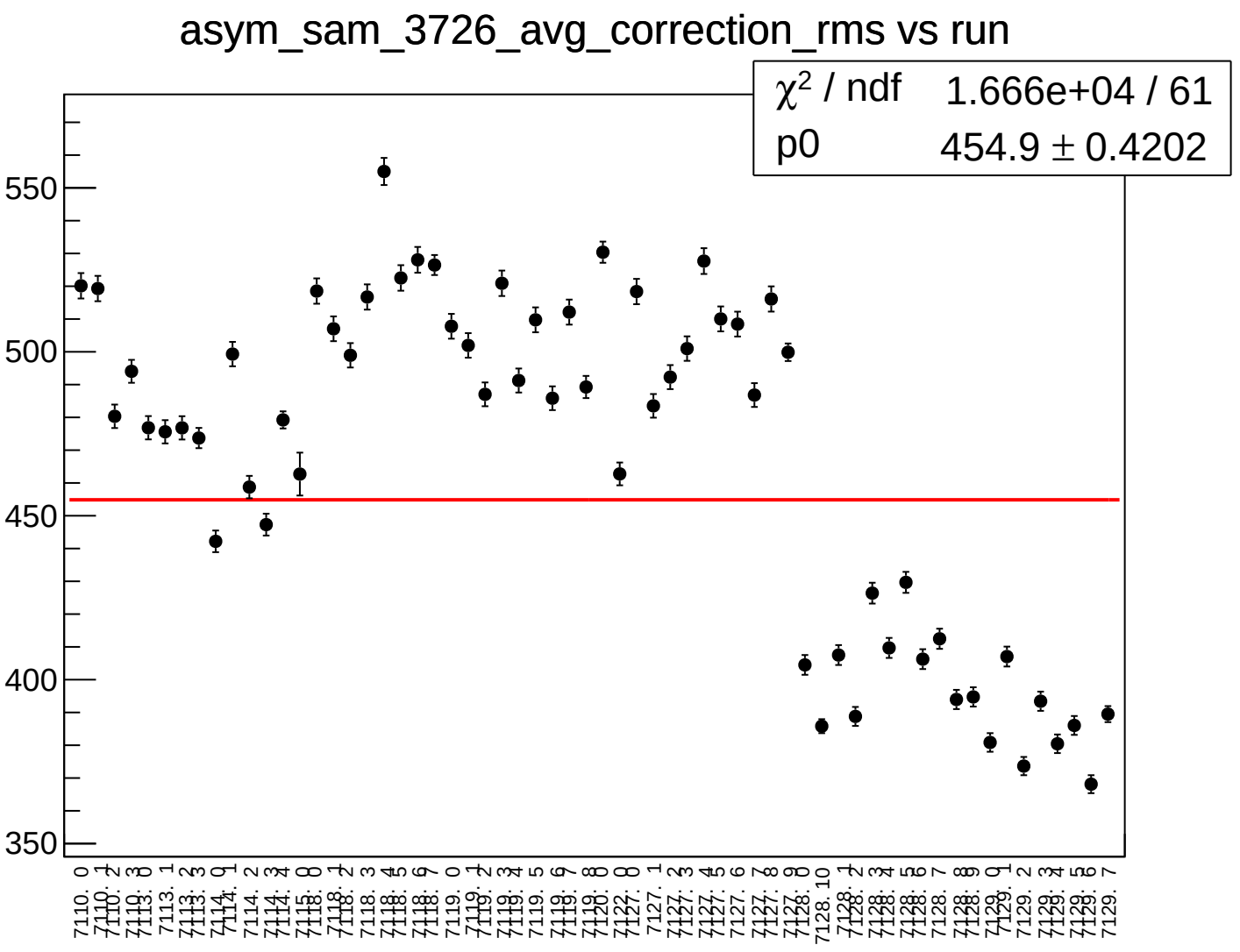

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 62.47 / 61
p0 61.5 ± 115.4
4000
2000
0
−2000
−4000
pull
Entries 62
Mean −50.54
Std Dev 32.14
2
1
0
−1
−2

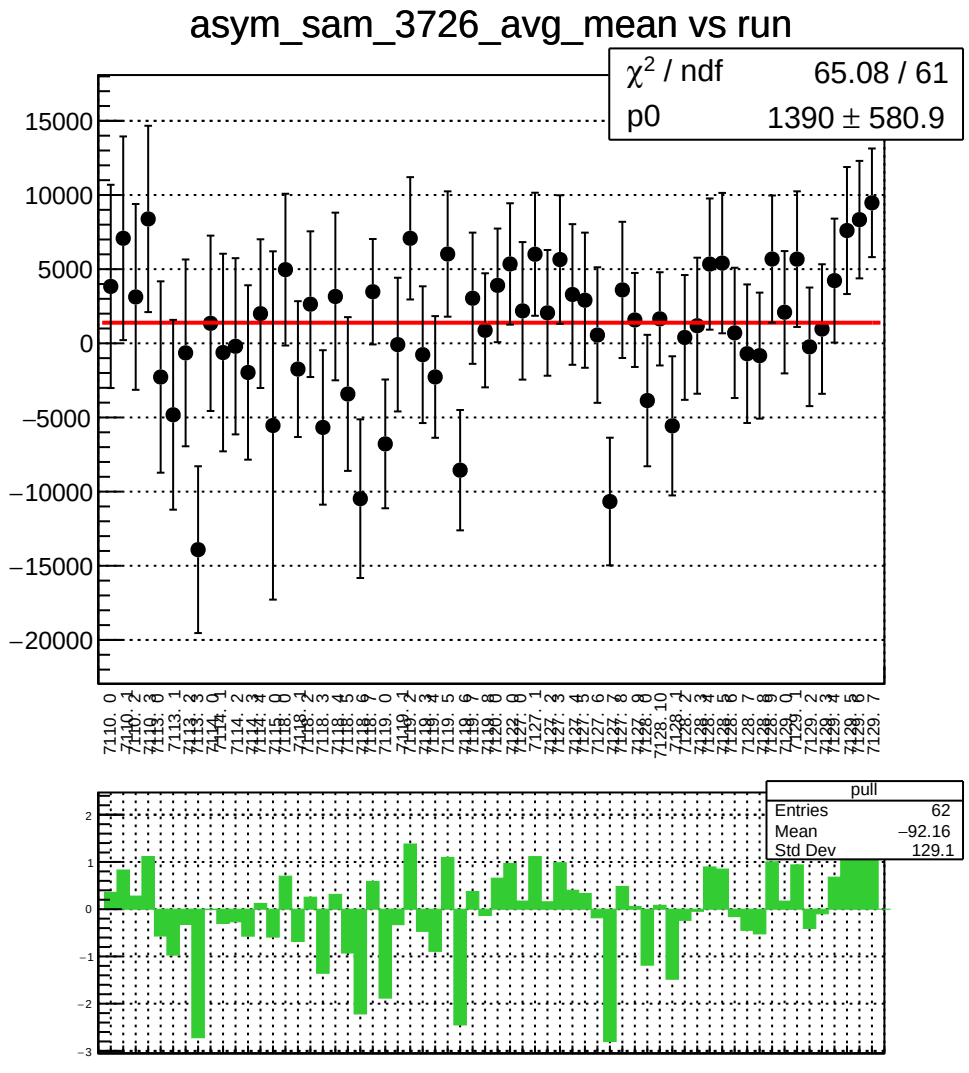

pull1D
Entries 62
Mean 0.007228
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

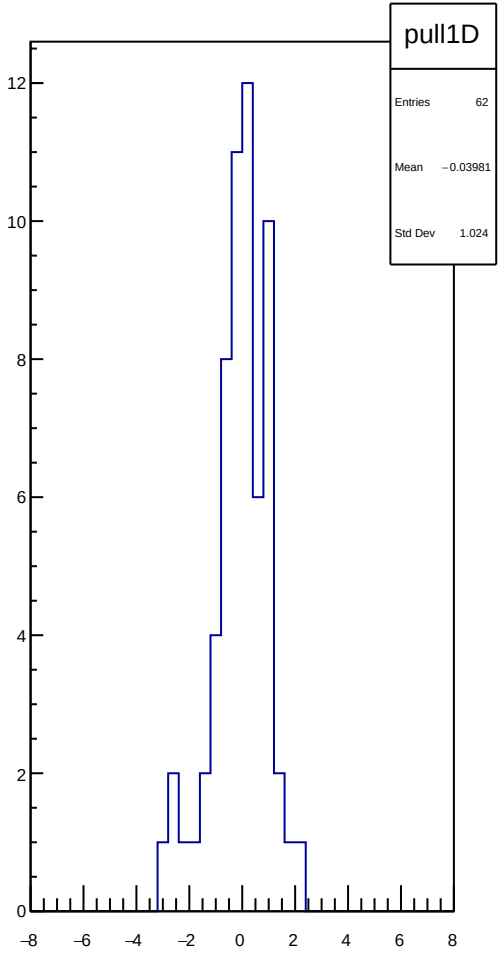

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.428e+05 / 61
p0 83.41 ± 0.08157
220
200
180
160
140
120
100
80
60

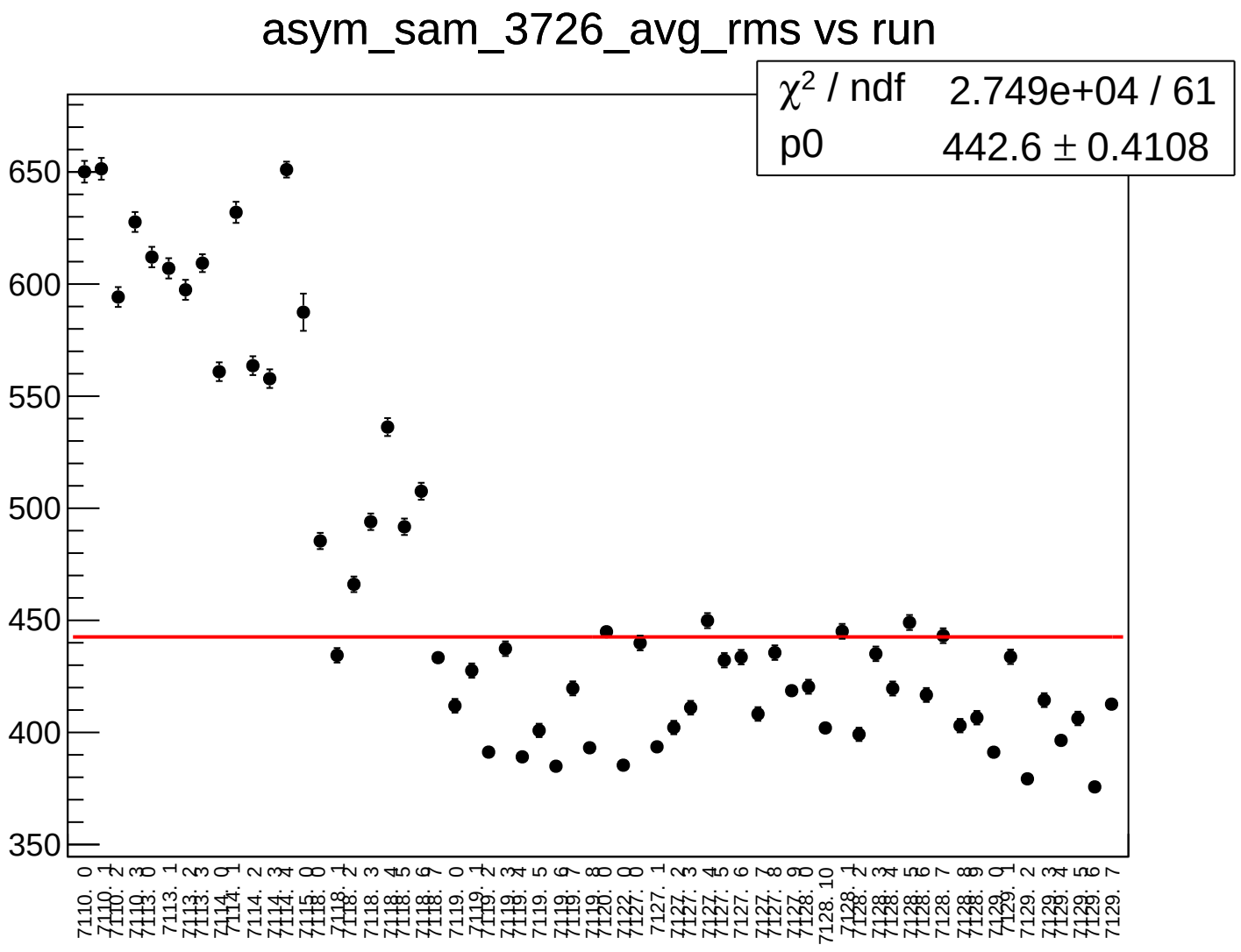

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 67.98 / 61
p0 −1281 ± 594.2
pull
Entries 62
Mean −109.5
Std Dev 145.6

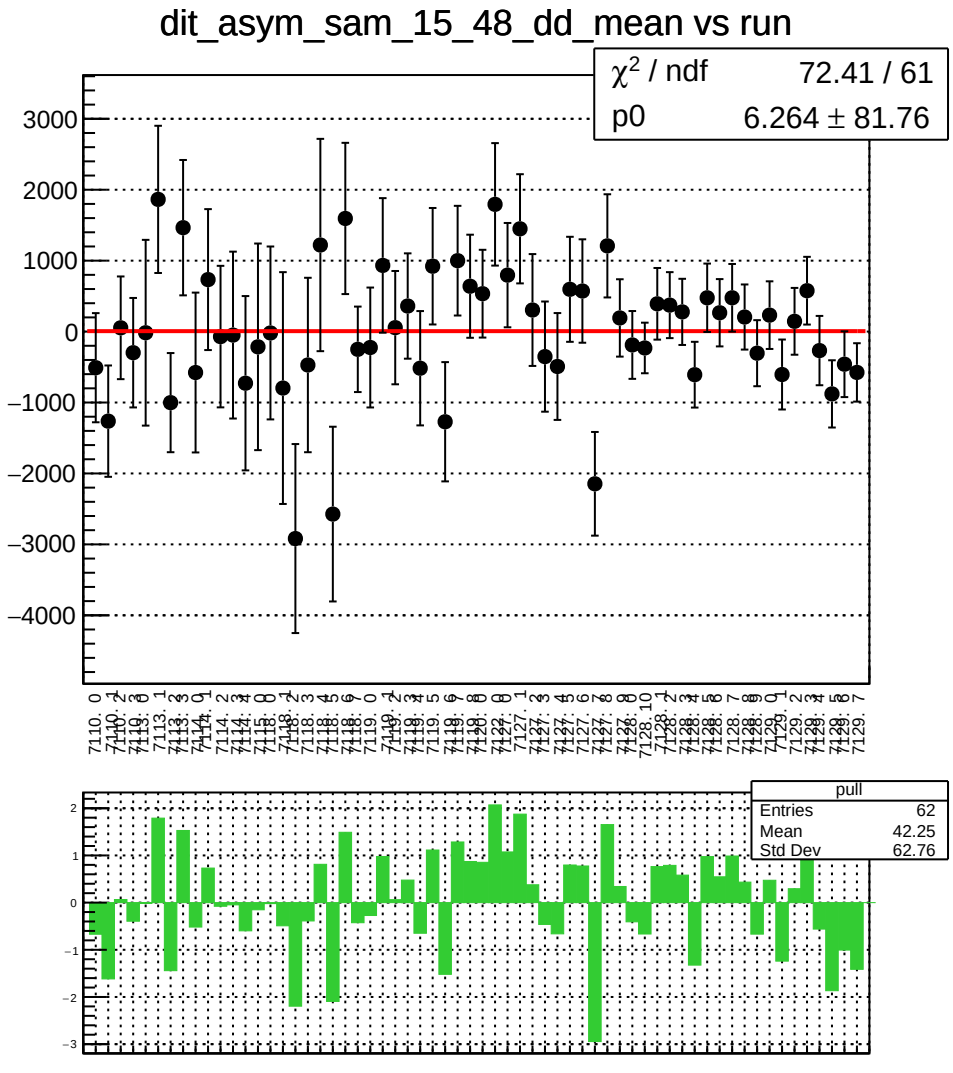

pull1D
Entries 62
Mean 0.03825
Std Dev 1.046

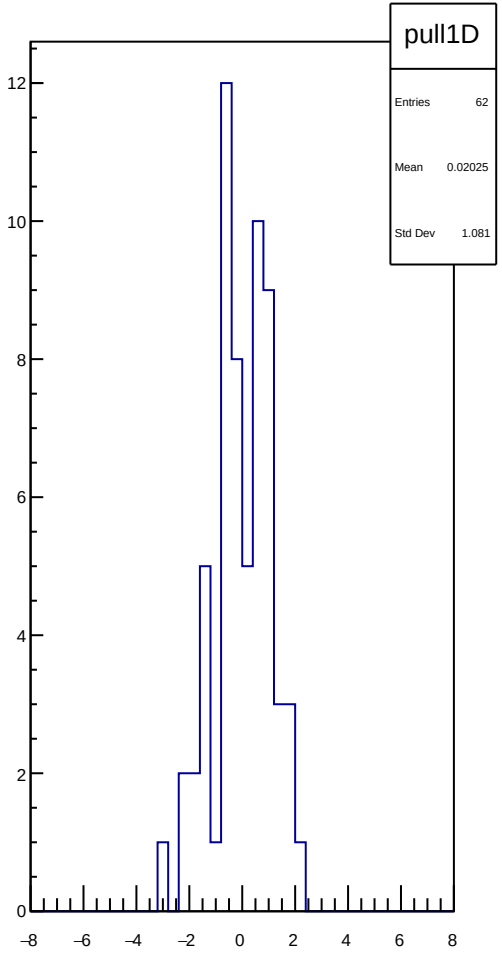

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.666e+04 / 61
p0 454.9 ± 0.4202
550
500
450
400
350

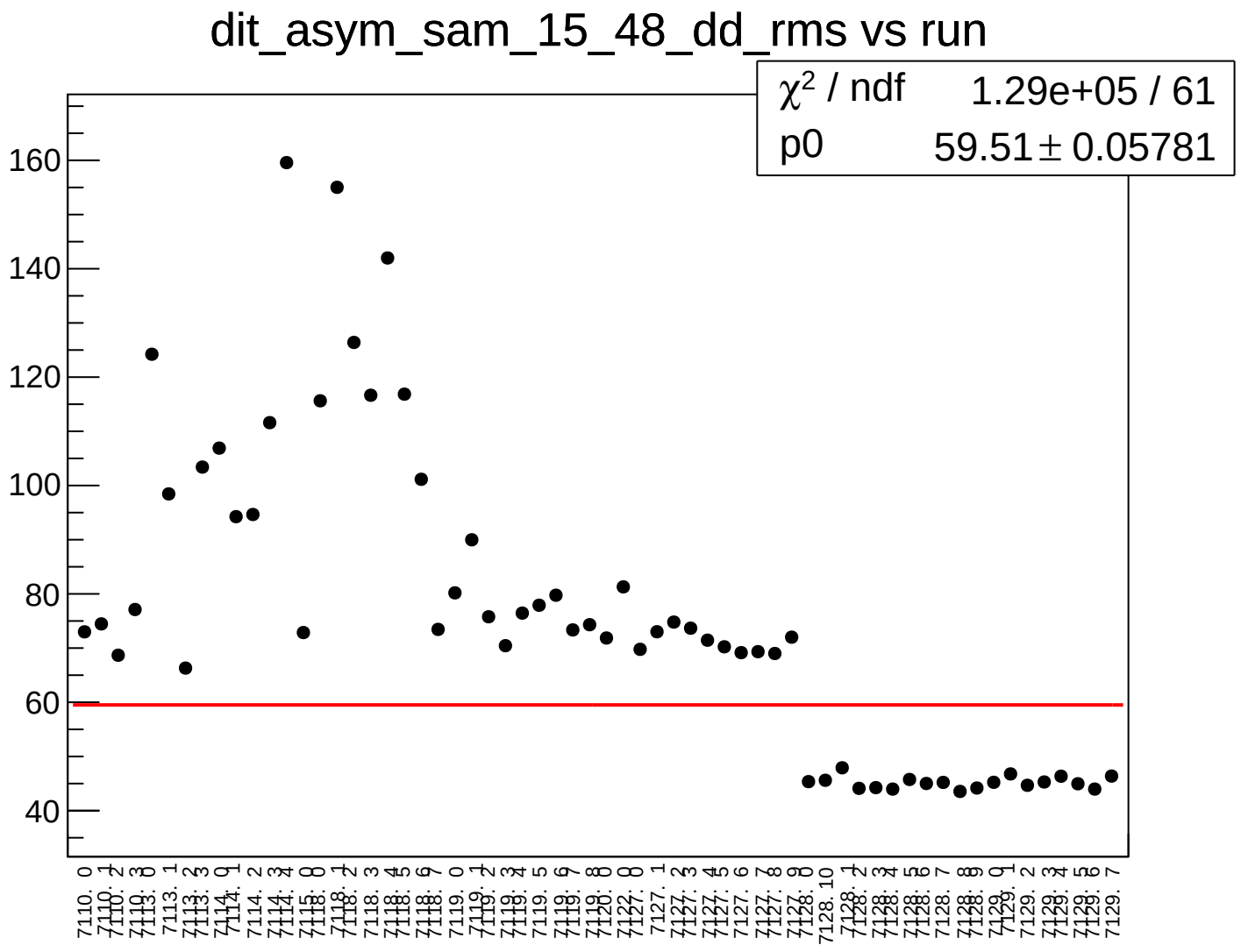

asym_sam_3726_avg_mean vs run
χ² / ndf 65.08 / 61
p0 1390 ± 580.9
pull
Entries 62
Mean −92.16
Std Dev 129.1

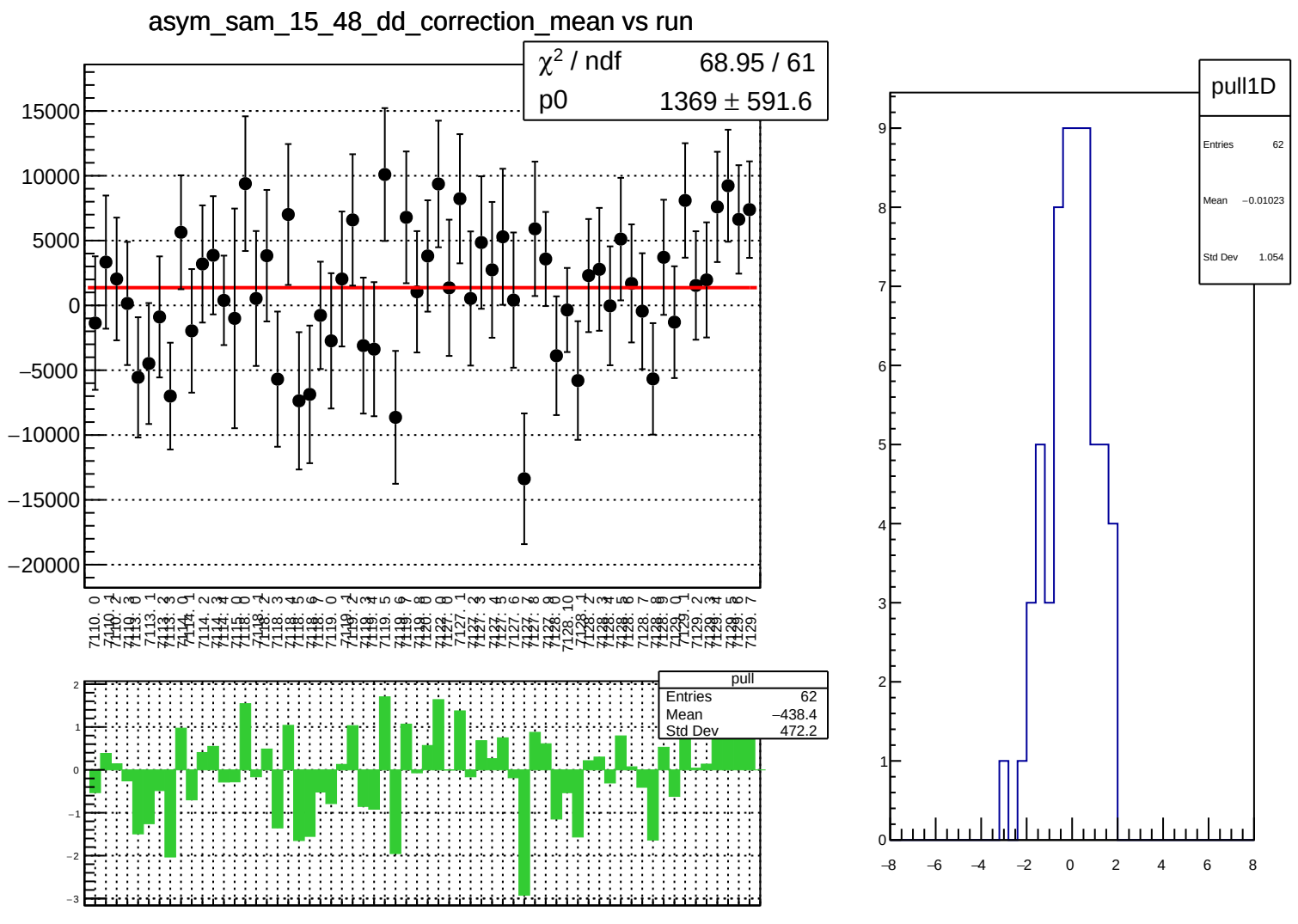

pull1D
Entries 62
Mean −0.03981
Std Dev 1.024

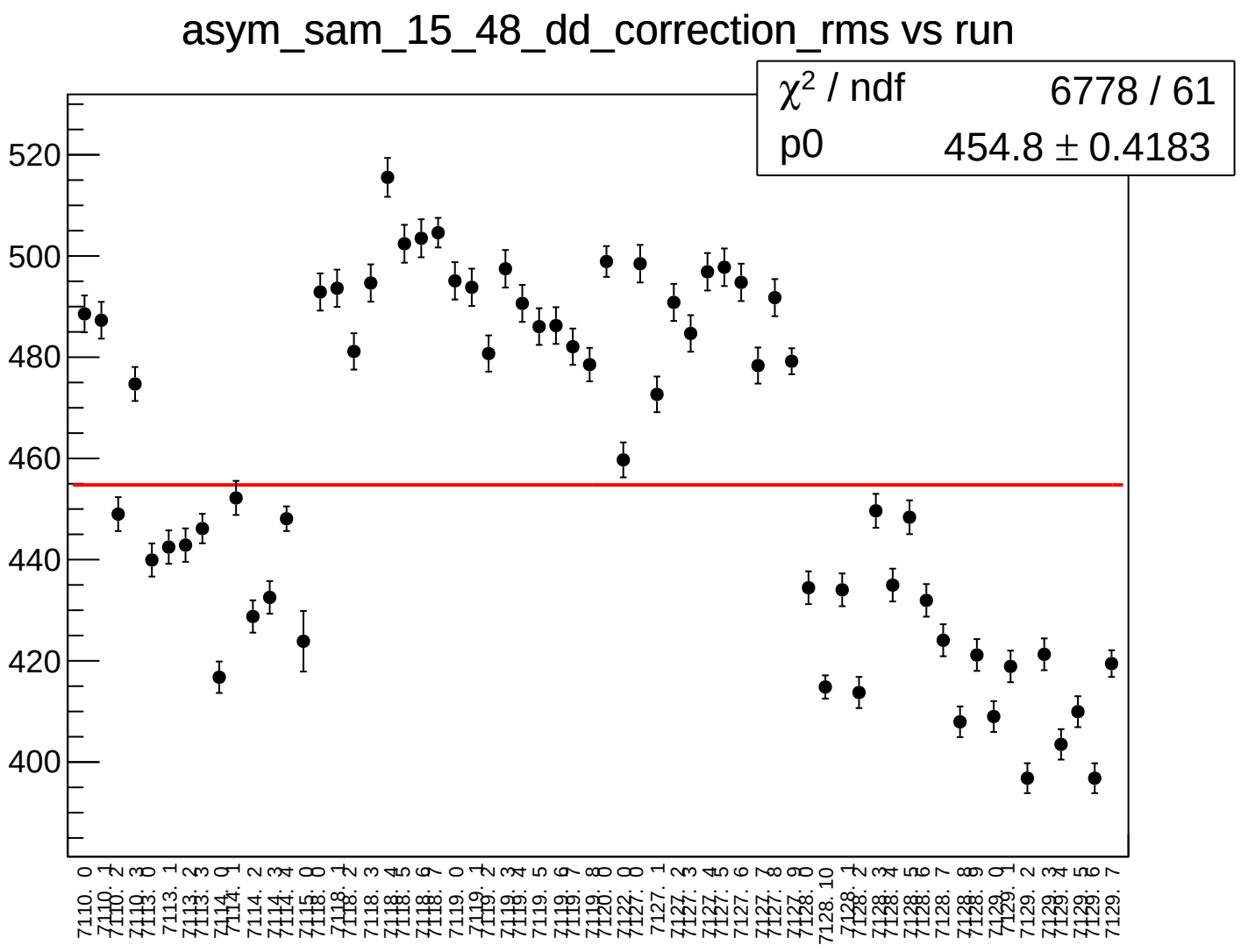

asym_sam_3726_avg_rms vs run
χ² / ndf 2.749e+04 / 61
p0 442.6 ± 0.4108
650
600
550
500
450
400
350

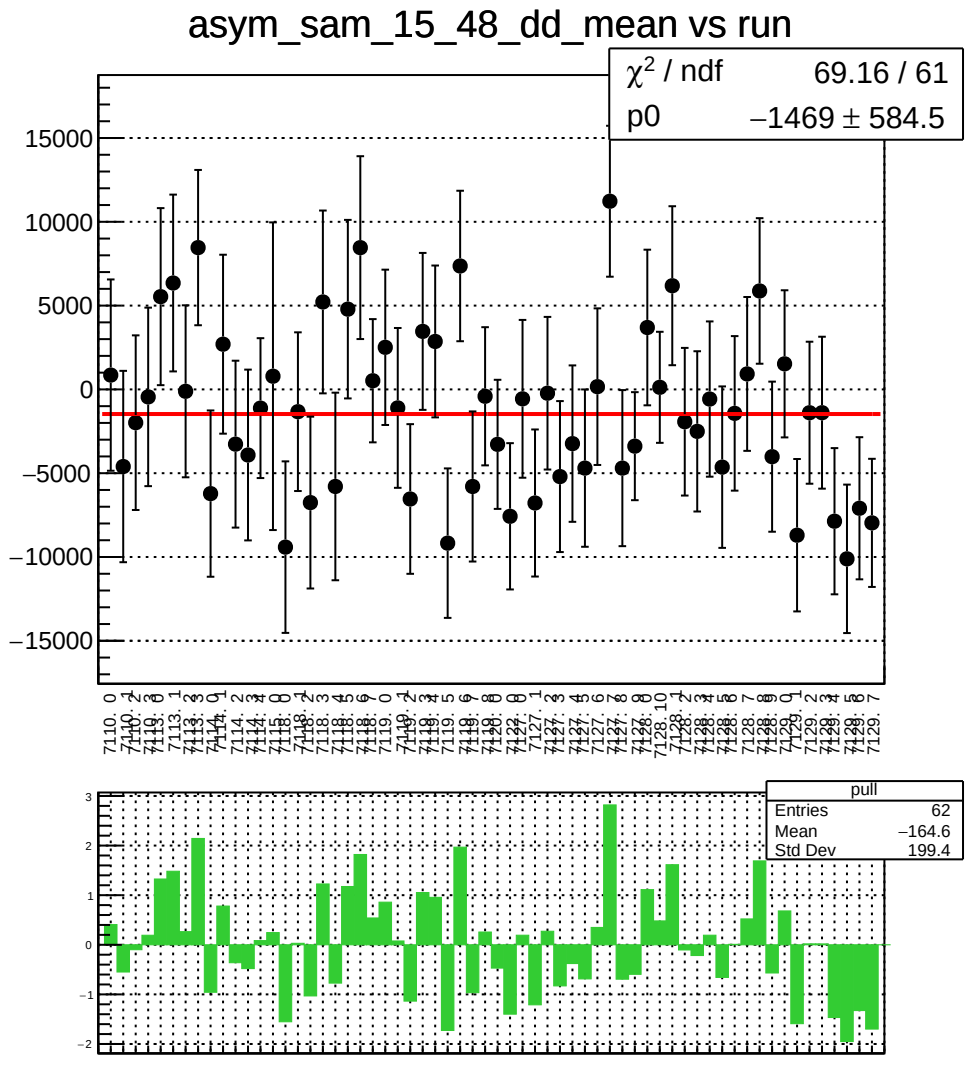

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 72.41 / 61
p0 6.264 ± 81.76
pull
Entries 62
Mean 42.25
Std Dev 62.76

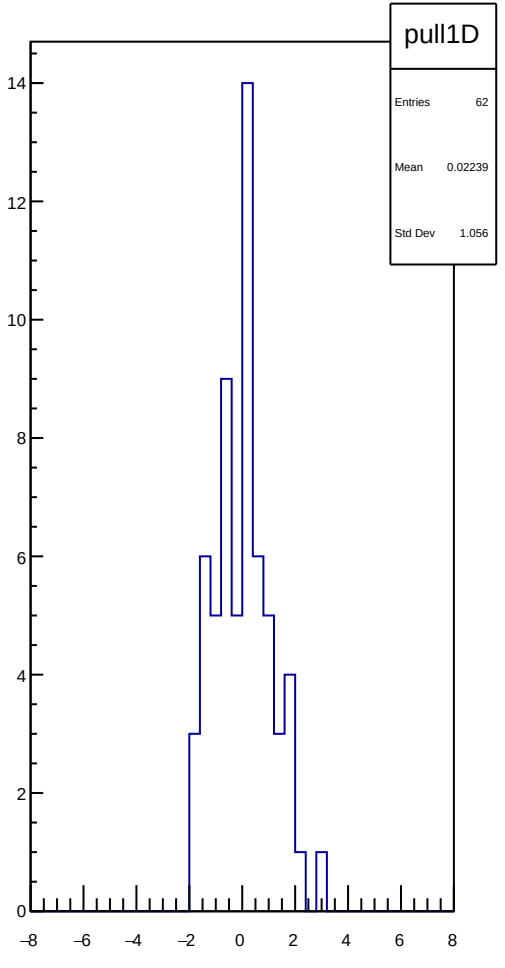

pull1D
Entries 62
Mean 0.02025
Std Dev 1.081

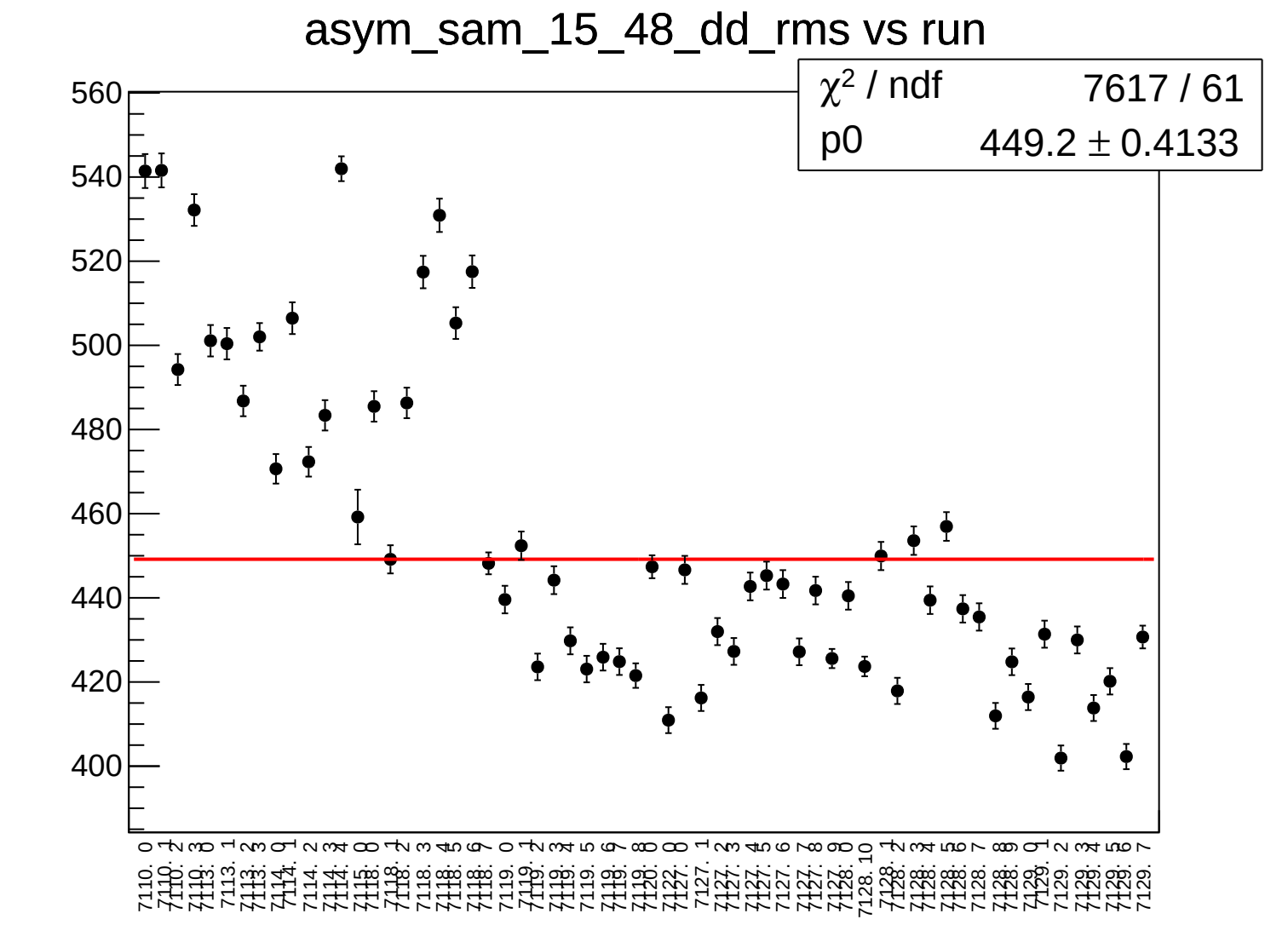

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.29e+05 / 61
p0 59.51 ± 0.05781
160
140
120
100
80
60
40

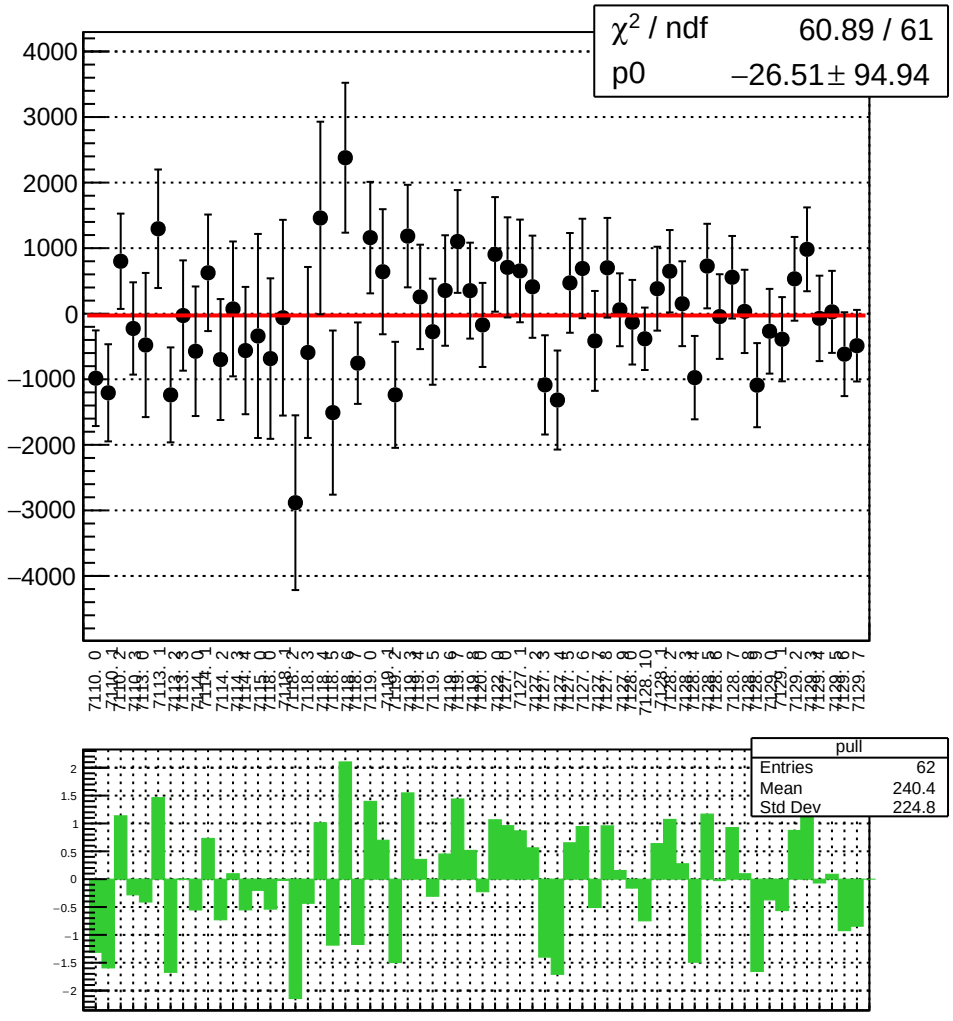

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 68.95 / 61
p0 1369 ± 591.6
pull
Entries 62
Mean −438.4
Std Dev 472.2
pull1D
Entries 62
Mean −0.01023
Std Dev 1.054

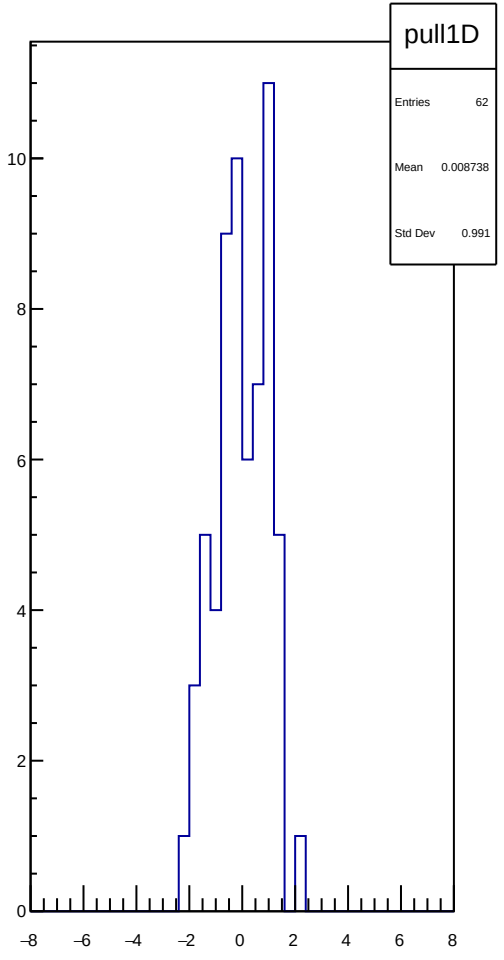

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 6778 / 61
p0 454.8 ± 0.4183
520
500
480
460
440
420
400
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

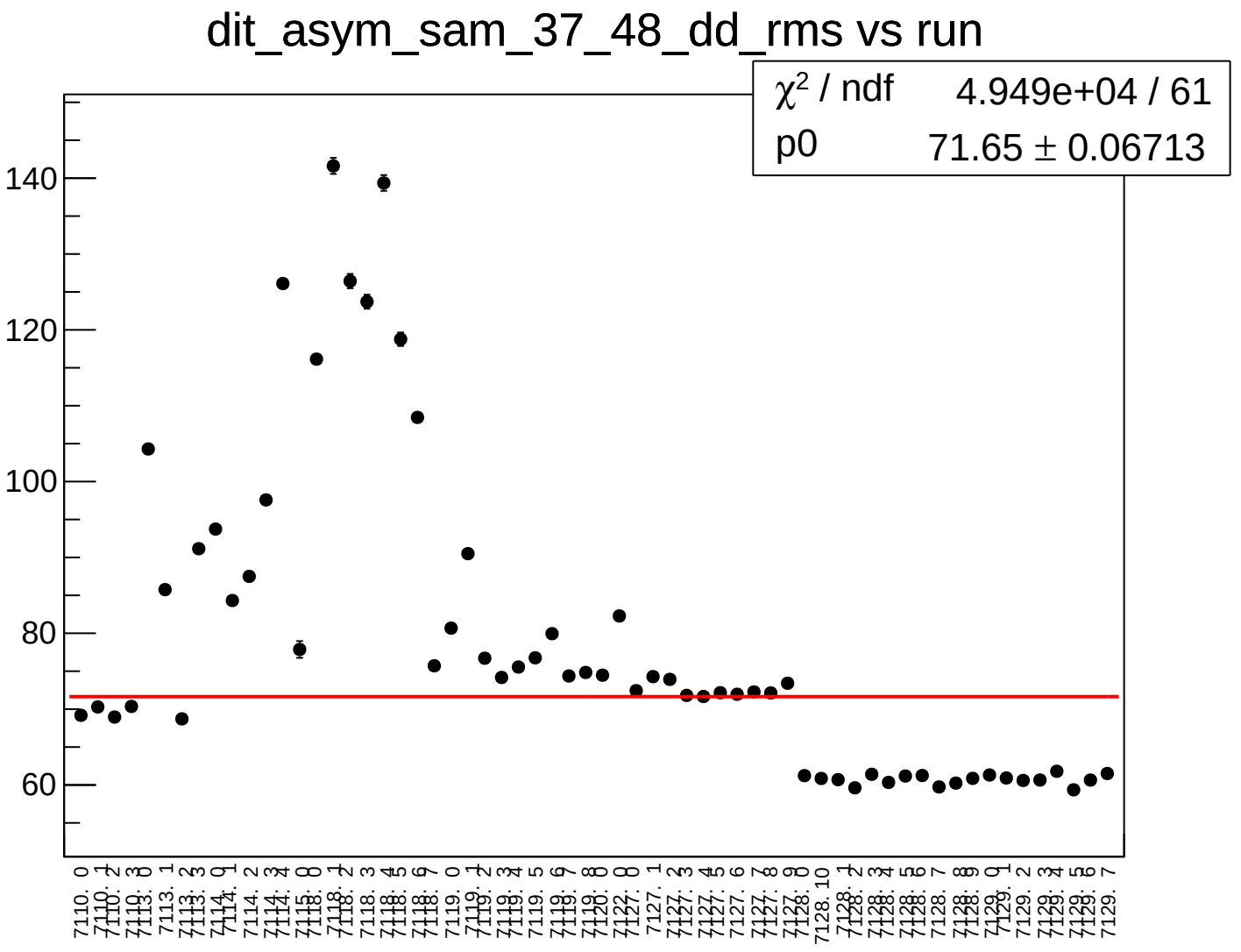

asym_sam_15_48_dd_mean vs run
χ² / ndf 69.16 / 61
p0 −1469 ± 584.5
pull
Entries 62
Mean −164.6
Std Dev 199.4

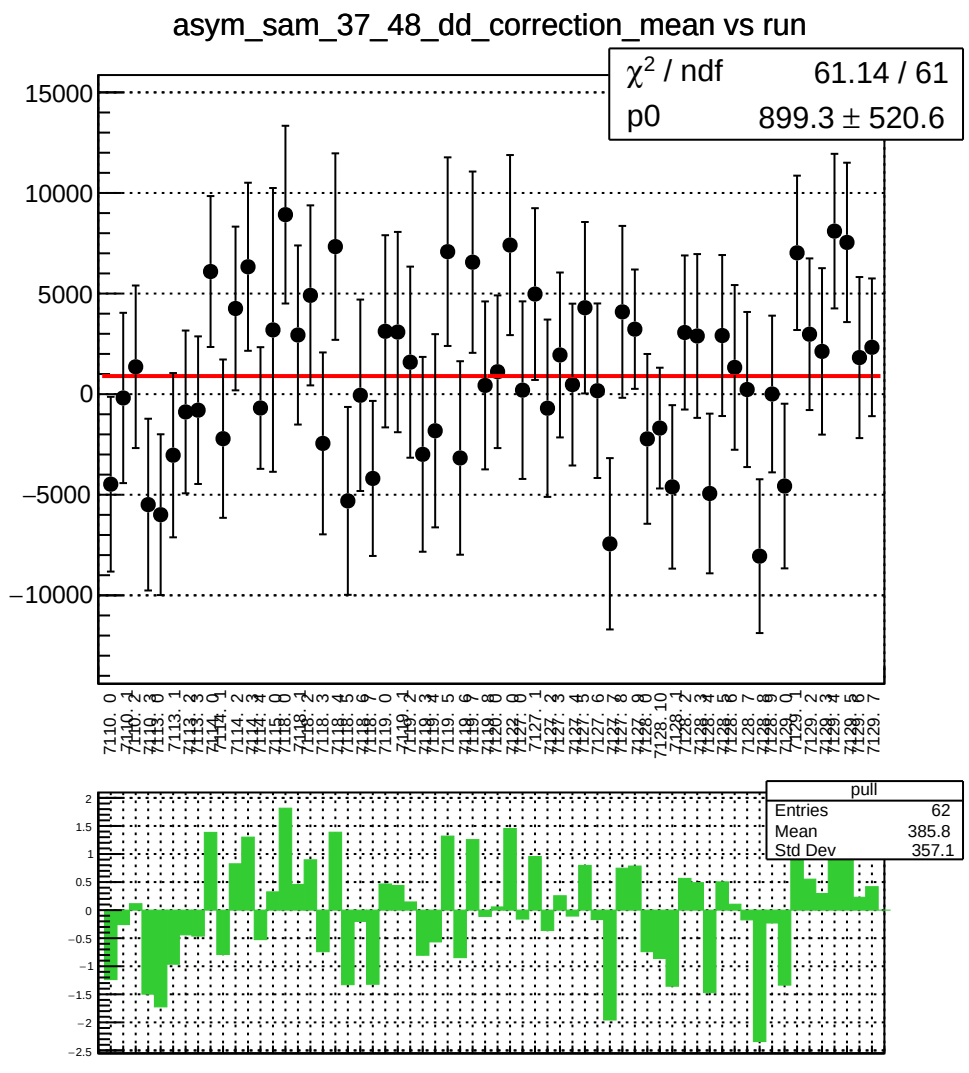

pull1D
Entries 62
Mean 0.02239
Std Dev 1.056

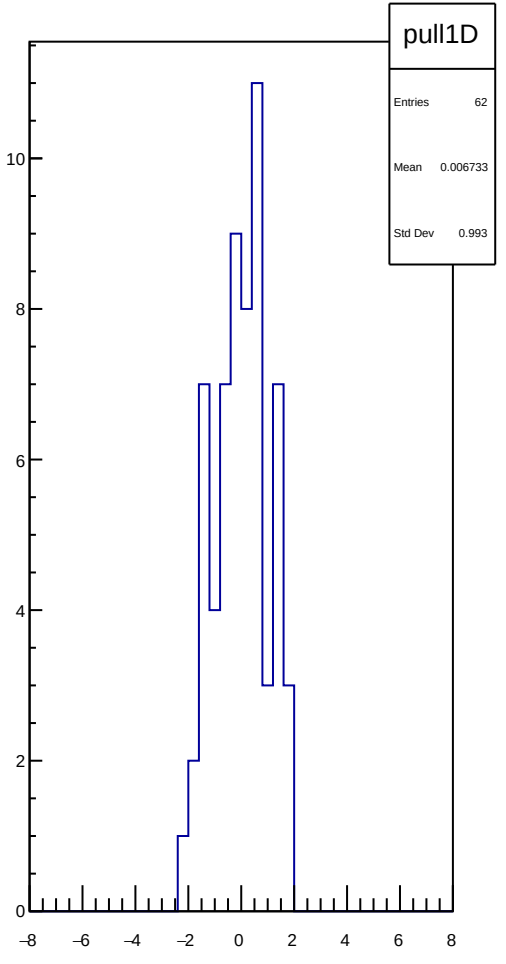

asym_sam_15_48_dd_rms vs run
χ² / ndf 7617 / 61
p0 449.2 ± 0.4133
560
540
520
500
480
460
440
420
400

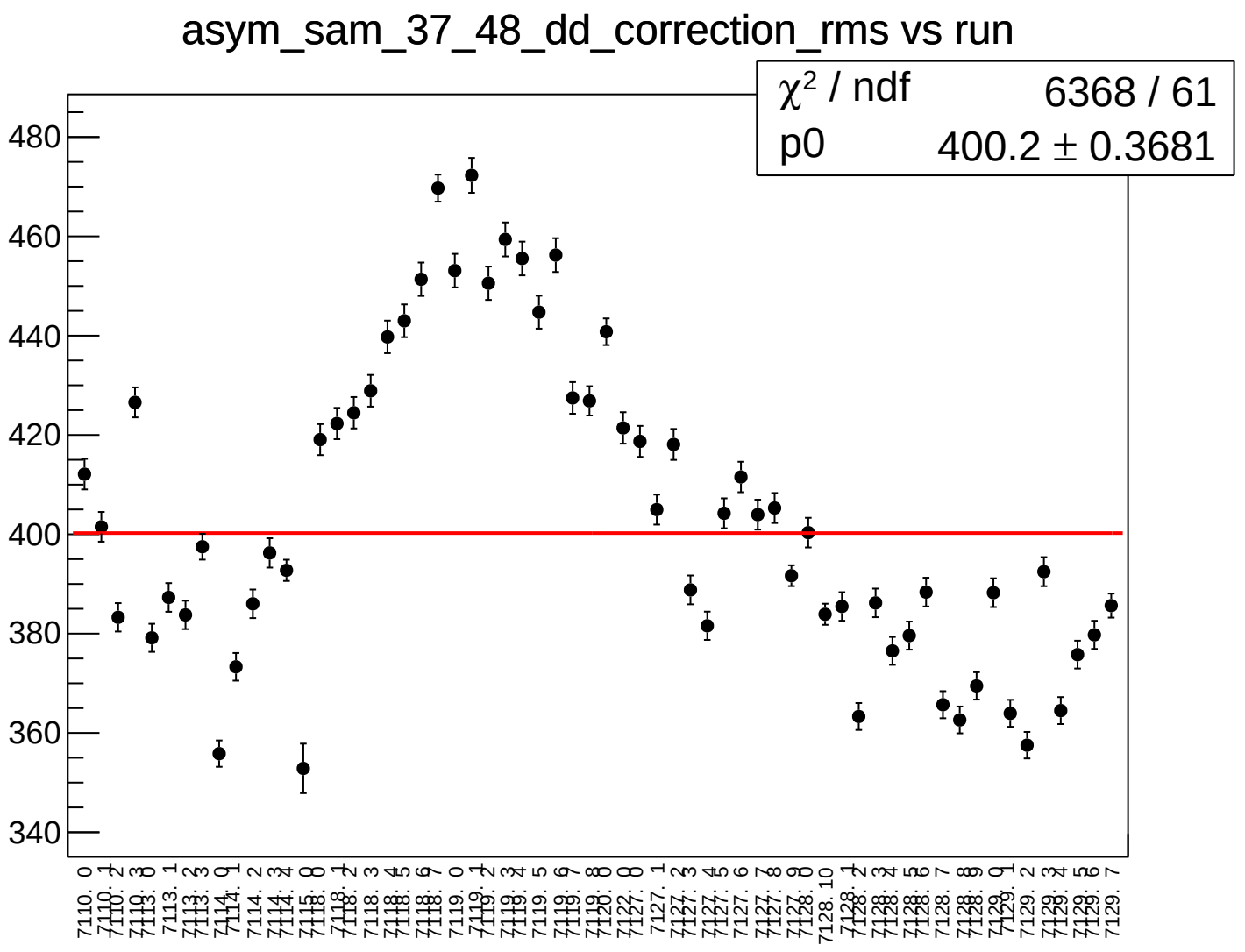

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 60.89 / 61
p0 −26.51± 94.94
pull
Entries 62
Mean 240.4
Std Dev 224.8

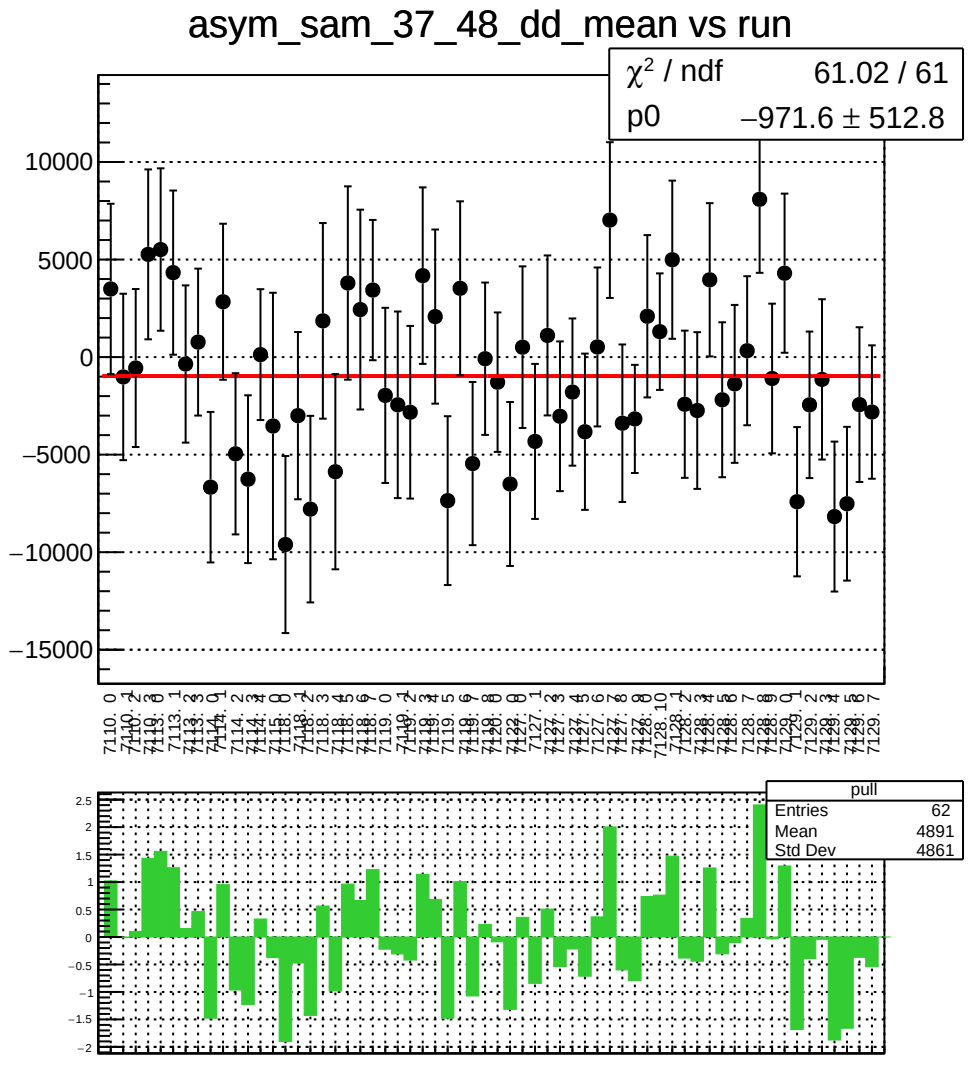

pull1D
Entries 62
Mean 0.008738
Std Dev 0.991

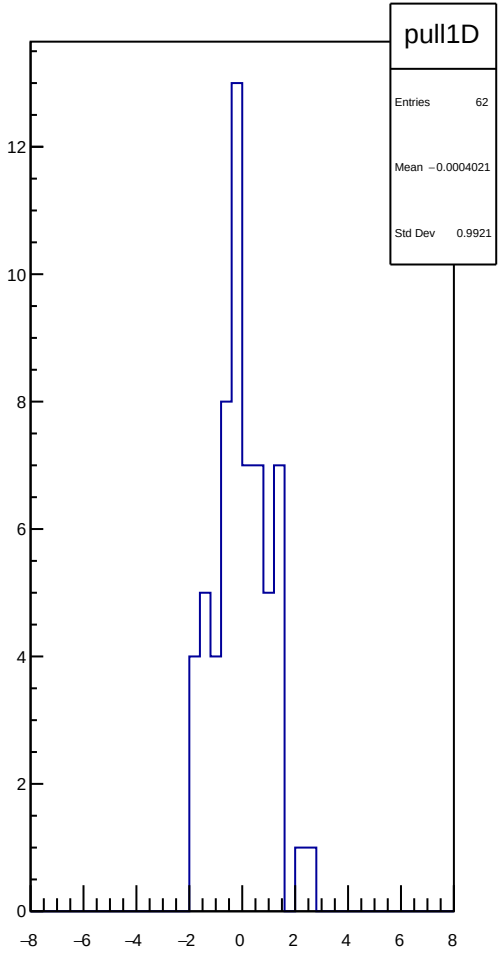

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 4.949e+04 / 61
p0 71.65 ± 0.06713
140
120
100
80
60

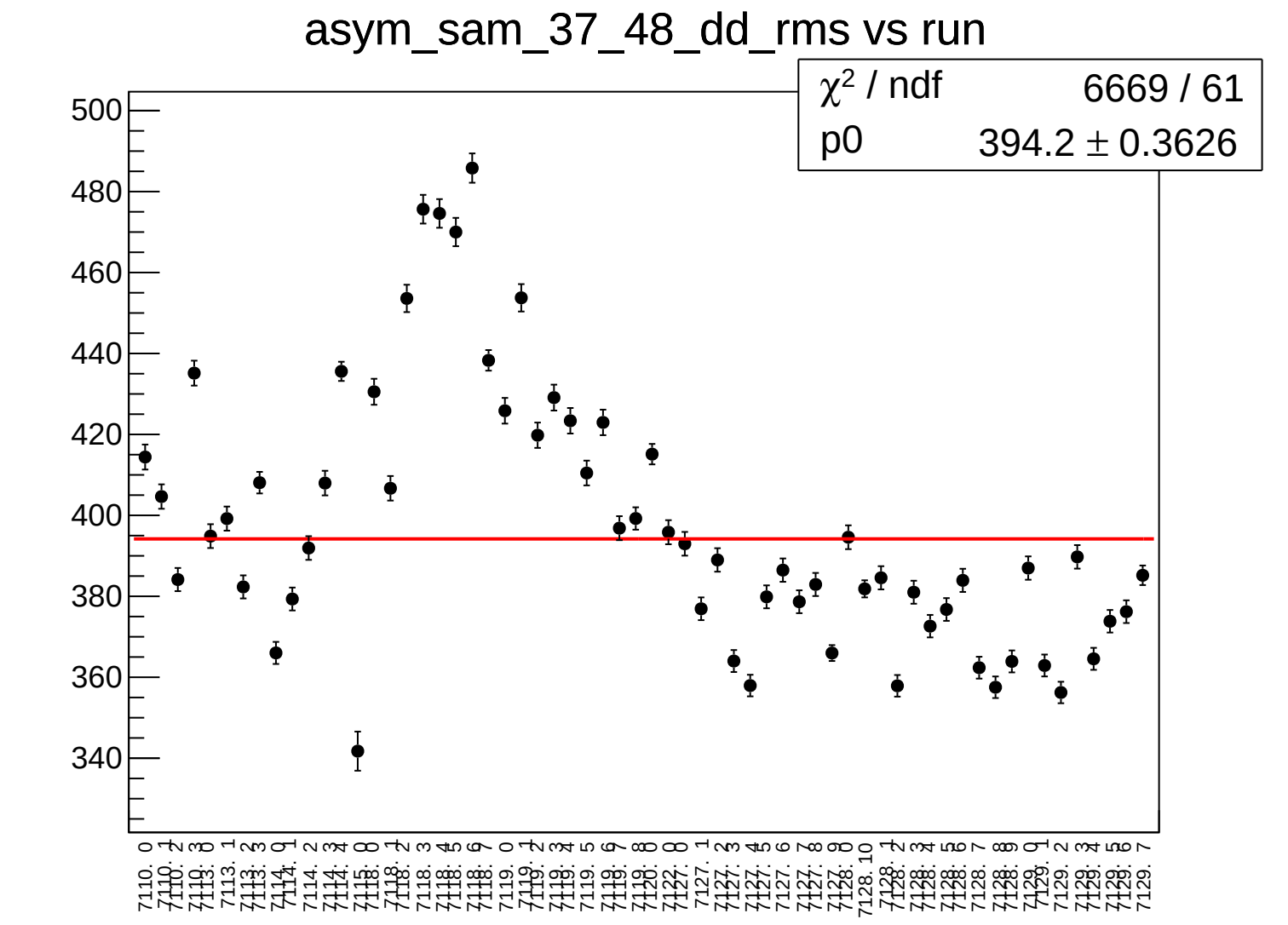

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 61.14 / 61
p0 899.3 ± 520.6
15000
10000
5000
0
−5000
−10000
pull
Entries 62
Mean 385.8
Std Dev 357.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

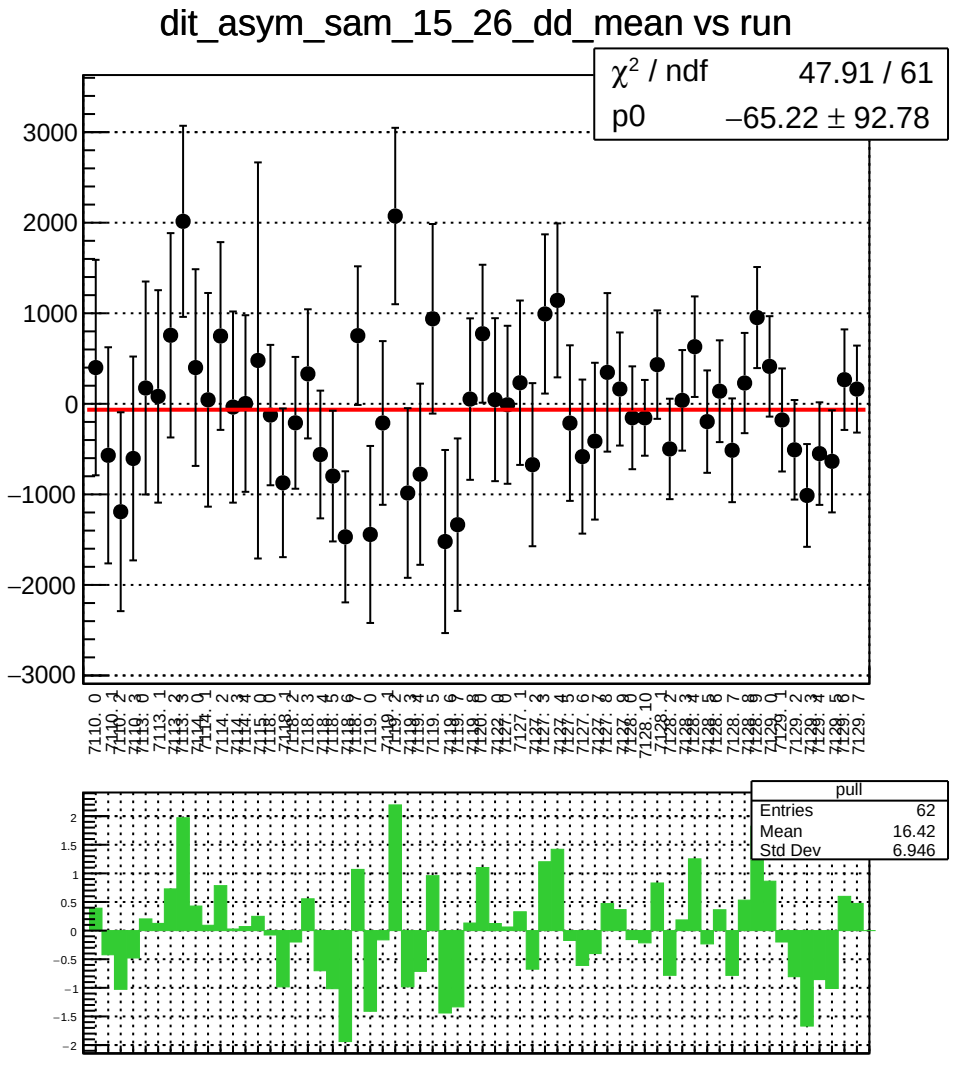

pull1D
Entries 62
Mean 0.006733
Std Dev 0.993
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

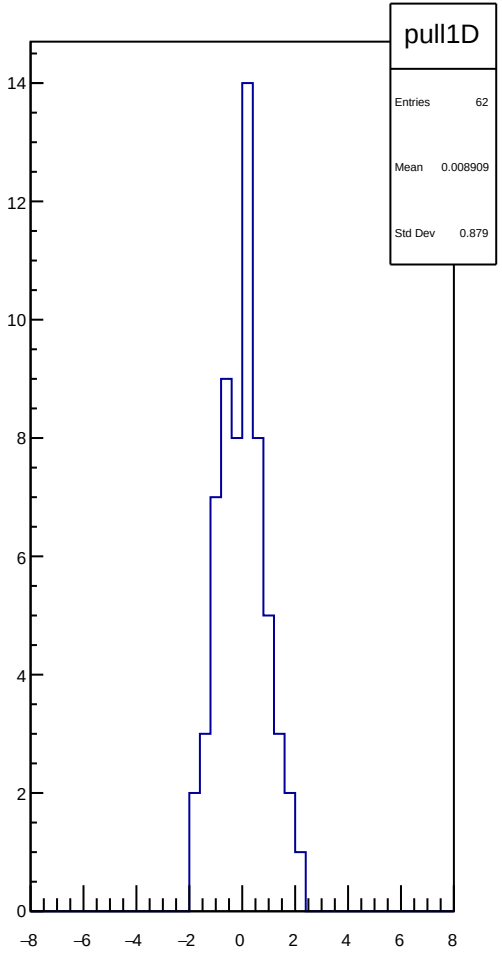

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 6368 / 61
p0 400.2 ± 0.3681
480
460
440
420
400
380
360
340

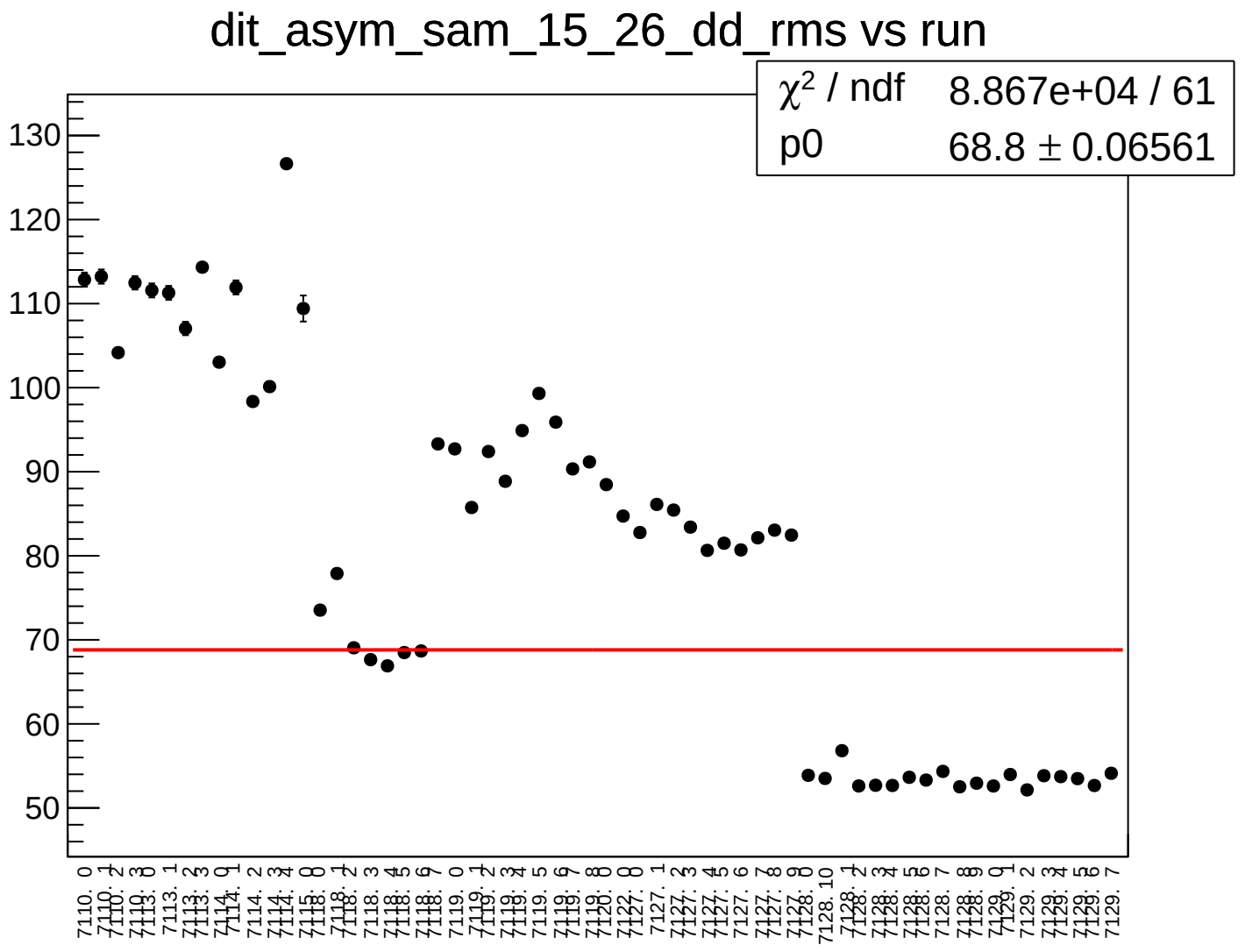

asym_sam_37_48_dd_mean vs run
χ² / ndf 61.02 / 61
p0 −971.6 ± 512.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 62
Mean 4891
Std Dev 4861
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

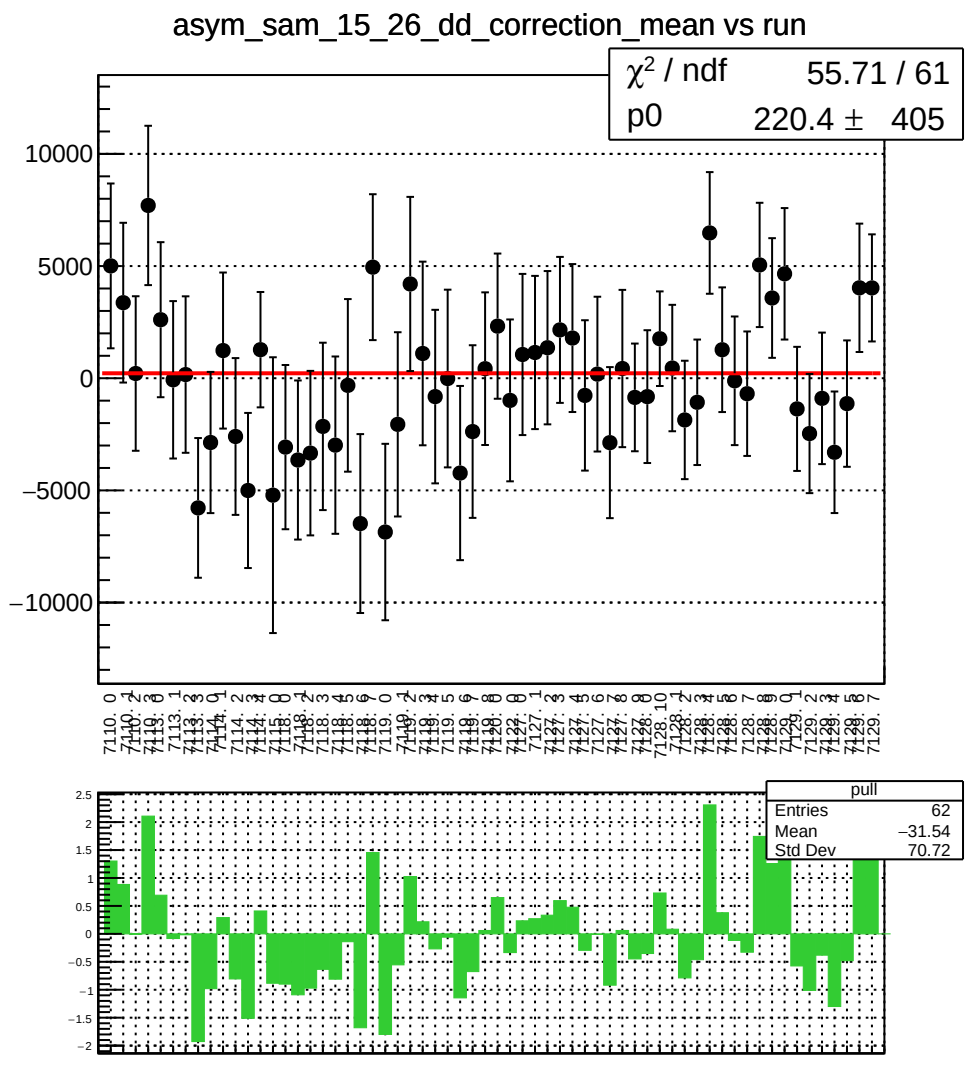

pull1D
Entries 62
Mean −0.0004021
Std Dev 0.9921
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

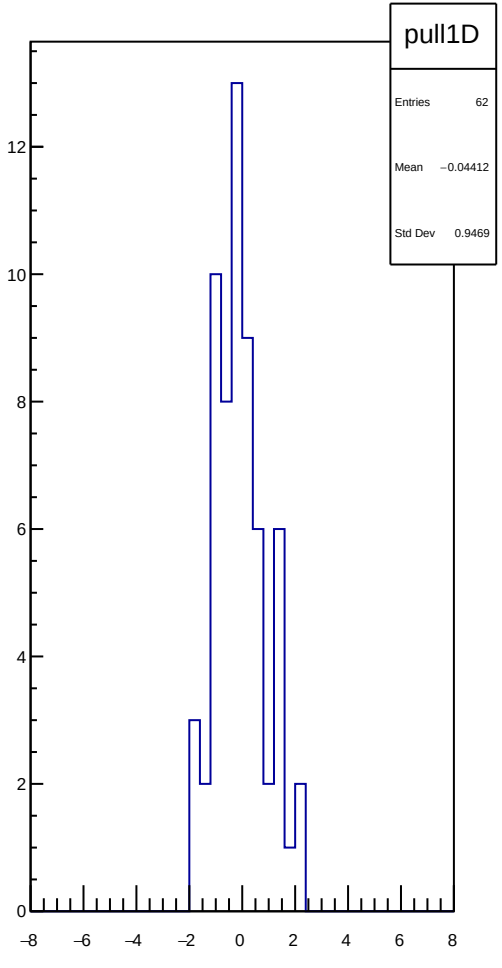

asym_sam_37_48_dd_rms vs run
χ² / ndf 6669 / 61
p0 394.2 ± 0.3626
500
480
460
440
420
400
380
360
340

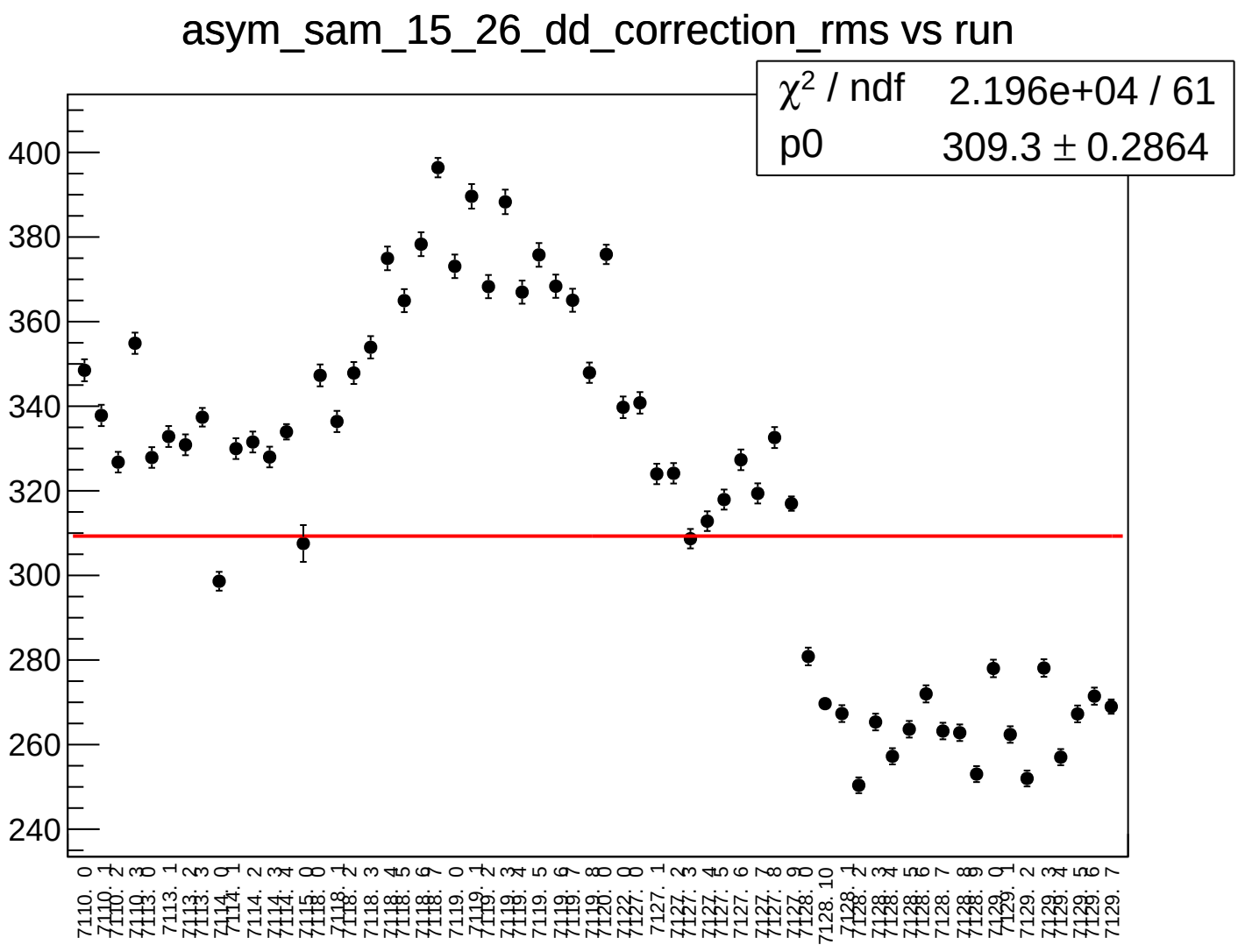

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 47.91 / 61
p0 −65.22 ± 92.78
pull
Entries 62
Mean 16.42
Std Dev 6.946

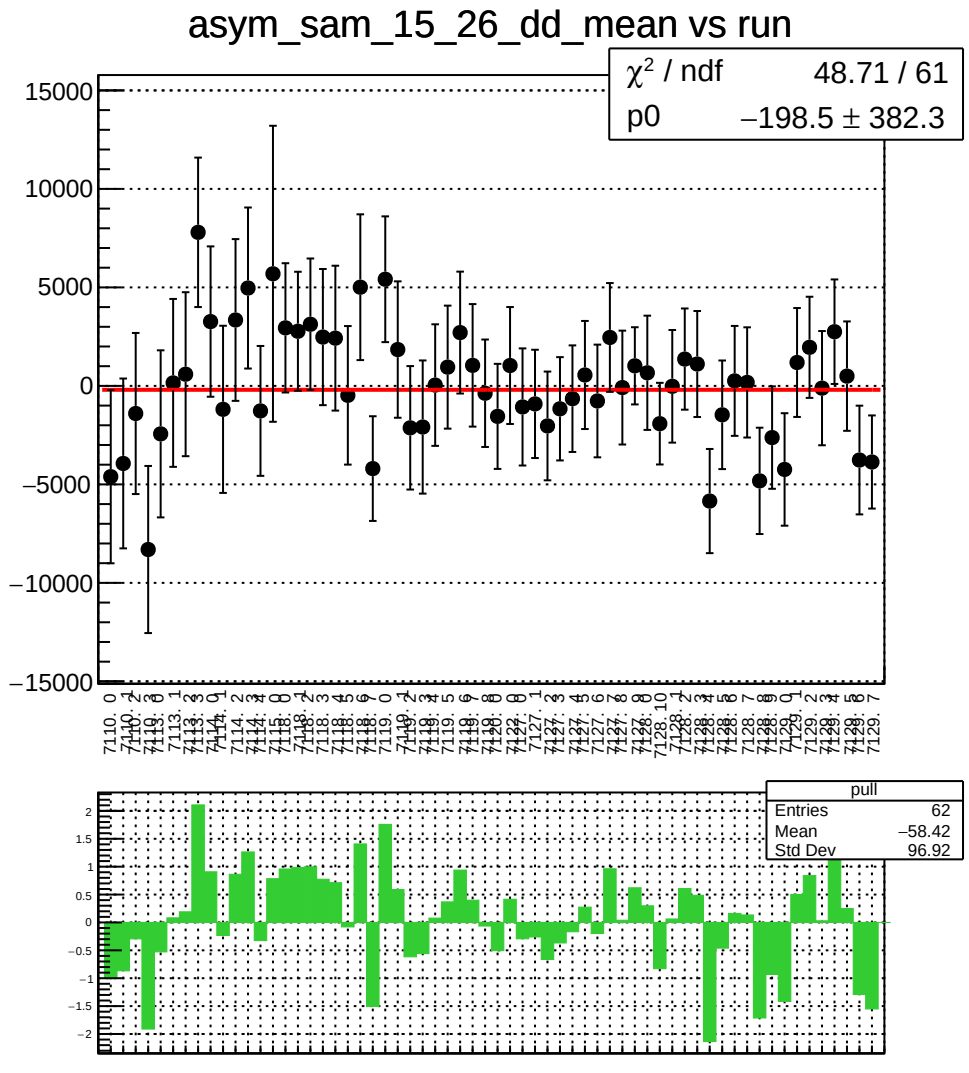

pull1D
Entries 62
Mean 0.008909
Std Dev 0.879

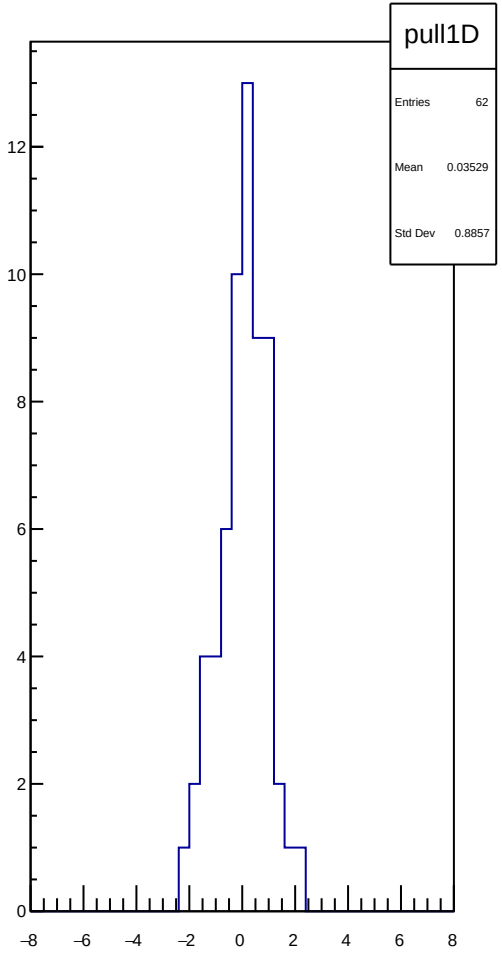

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 8.867e+04 / 61
p0 68.8 ± 0.06561
130
120
110
100
90
80
70
60
50

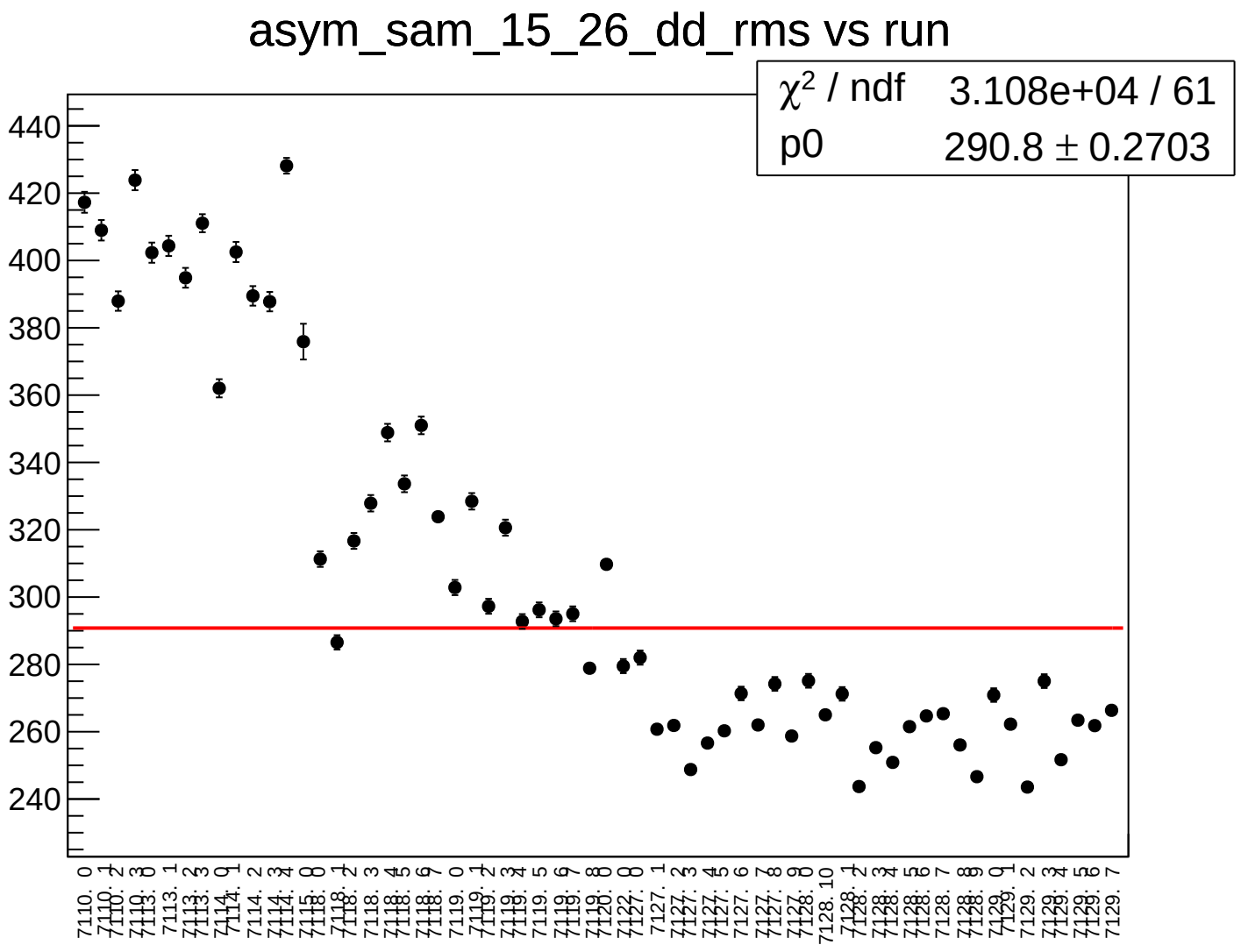

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 55.71 / 61
p0 220.4 ± 405
pull
Entries 62
Mean −31.54
Std Dev 70.72

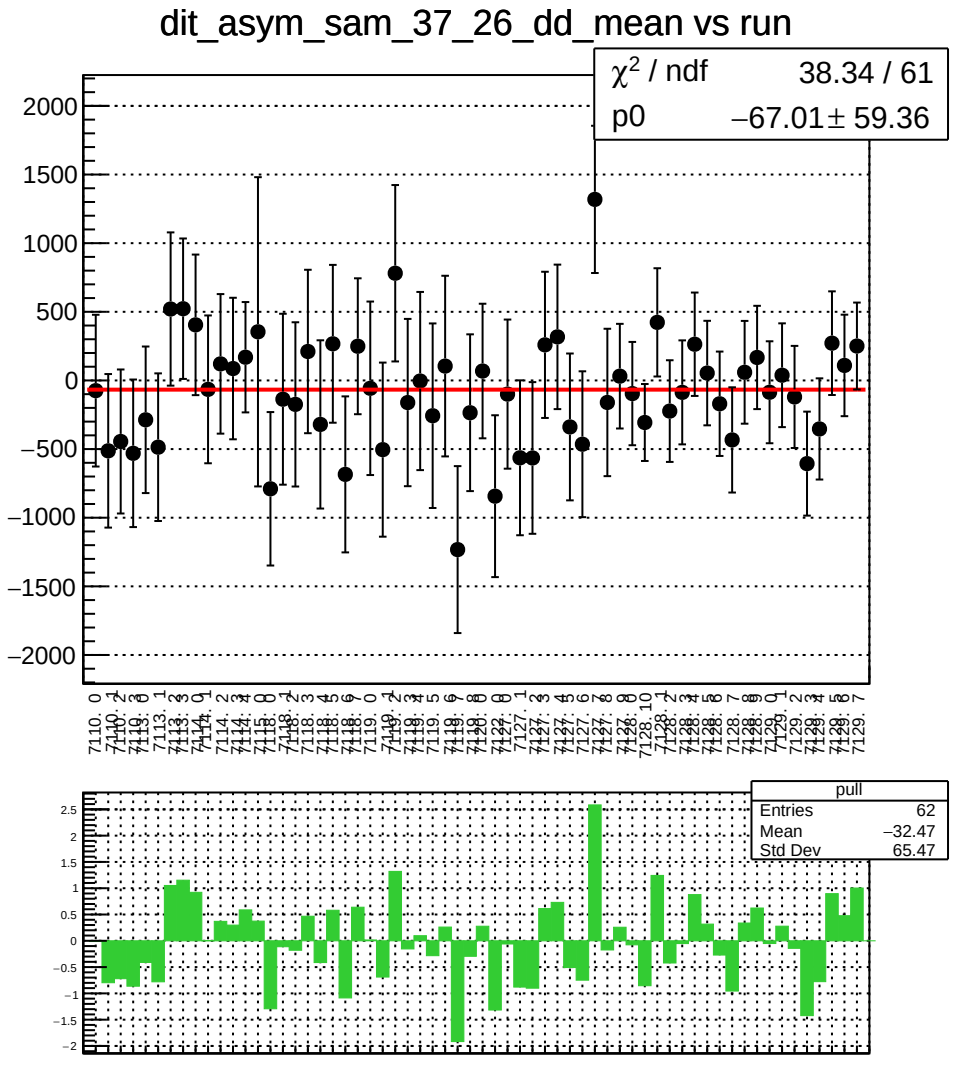

pull1D
Entries 62
Mean −0.04412
Std Dev 0.9469

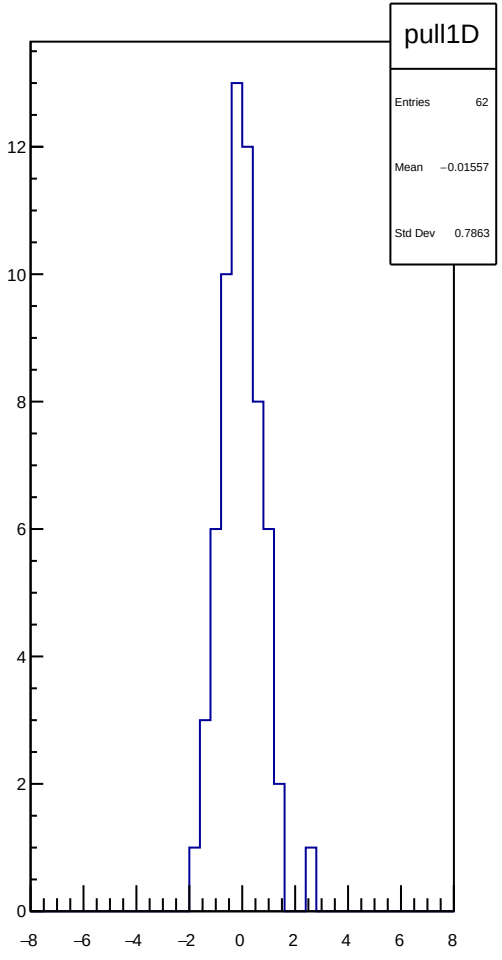

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2.196e+04 / 61
p0 309.3 ± 0.2864
400
380
360
340
320
300
280
260
240

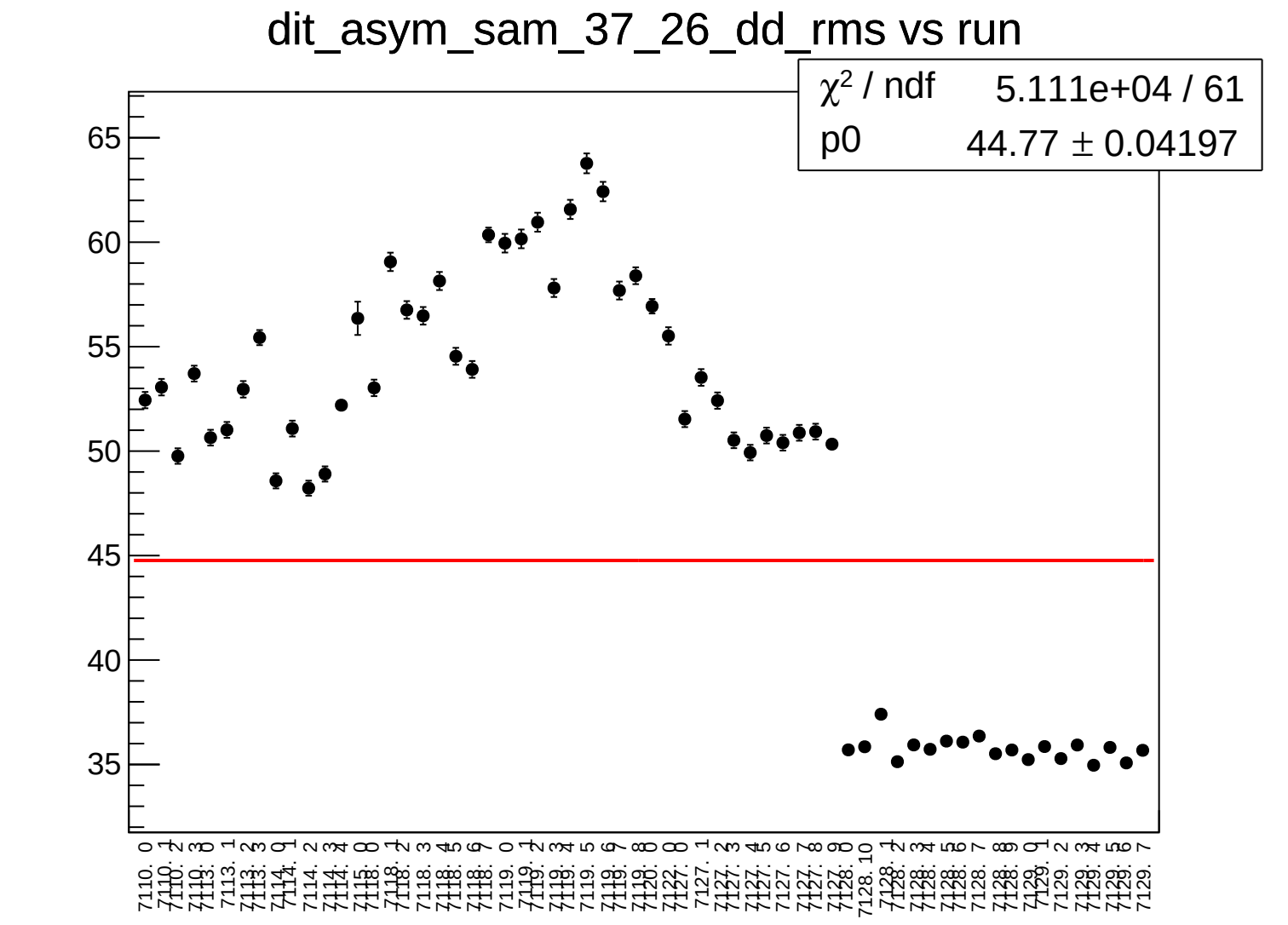

asym_sam_15_26_dd_mean vs run
χ² / ndf 48.71 / 61
p0 −198.5 ± 382.3
pull
Entries 62
Mean −58.42
Std Dev 96.92

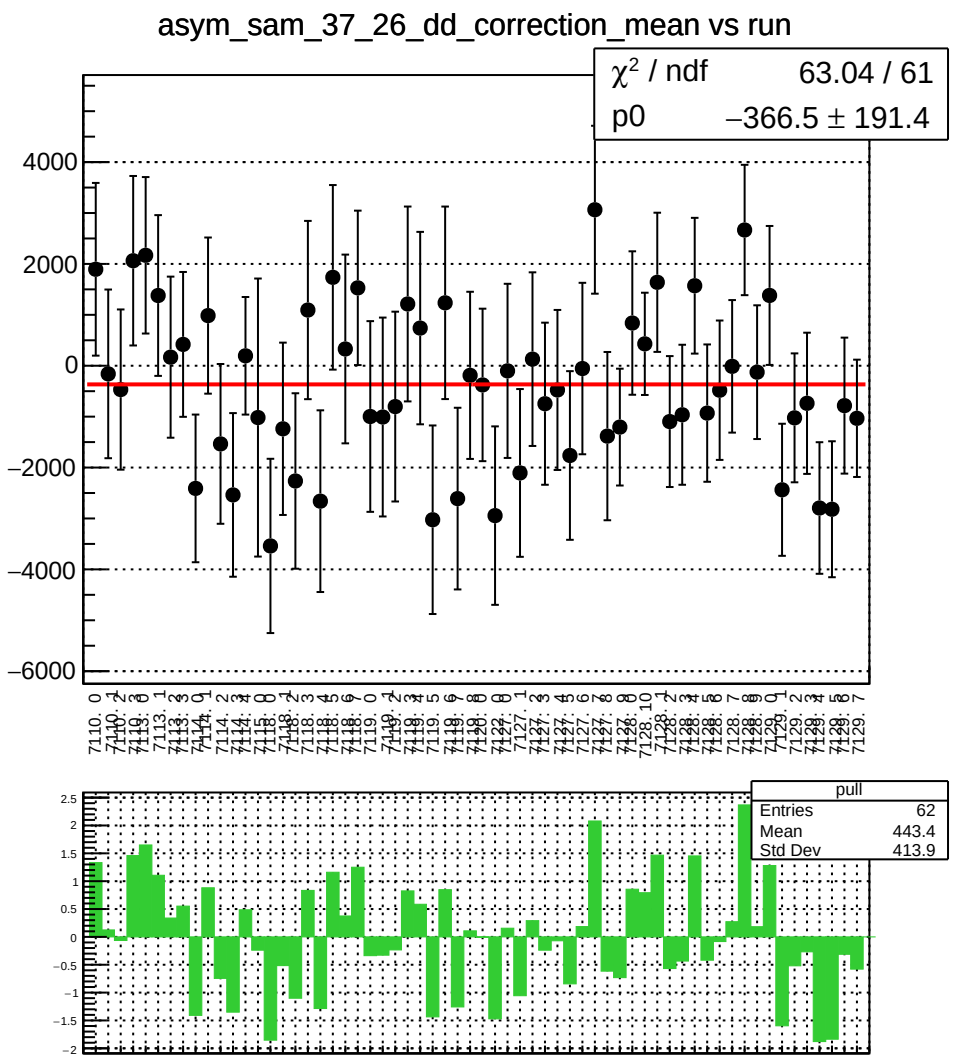

pull1D
Entries 62
Mean 0.03529
Std Dev 0.8857

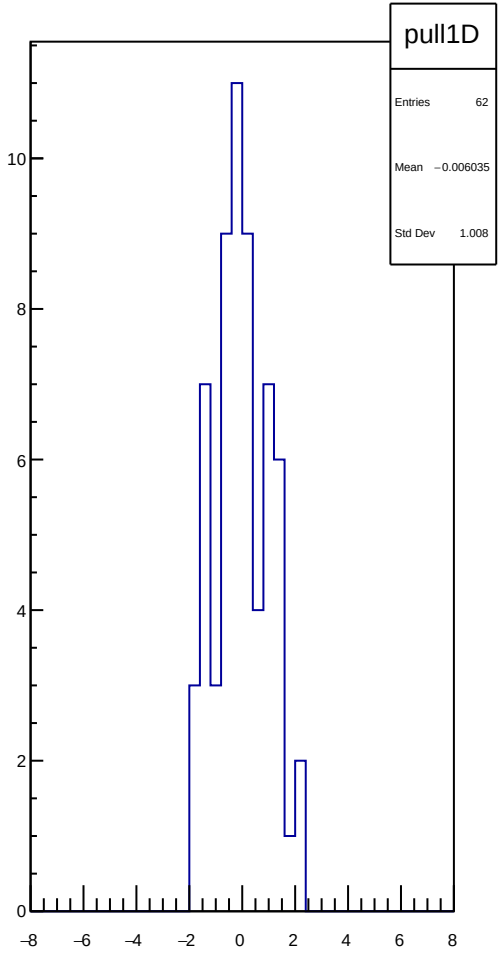

asym_sam_15_26_dd_rms vs run
χ² / ndf 3.108e+04 / 61
p0 290.8 ± 0.2703
440
420
400
380
360
340
320
300
280
260
240

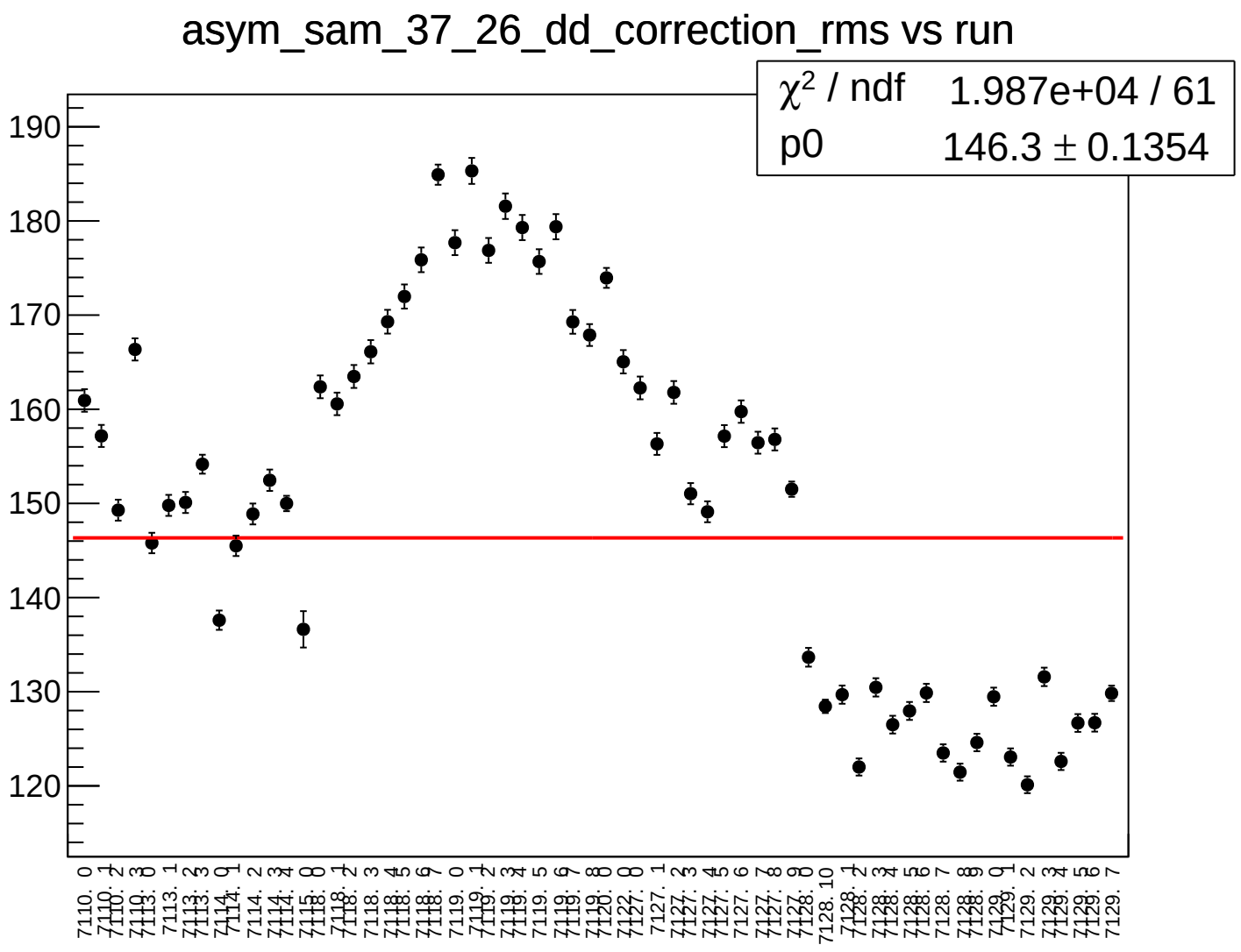

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 38.34 / 61
p0 −67.01 ± 59.36
pull
Entries 62
Mean −32.47
Std Dev 65.47

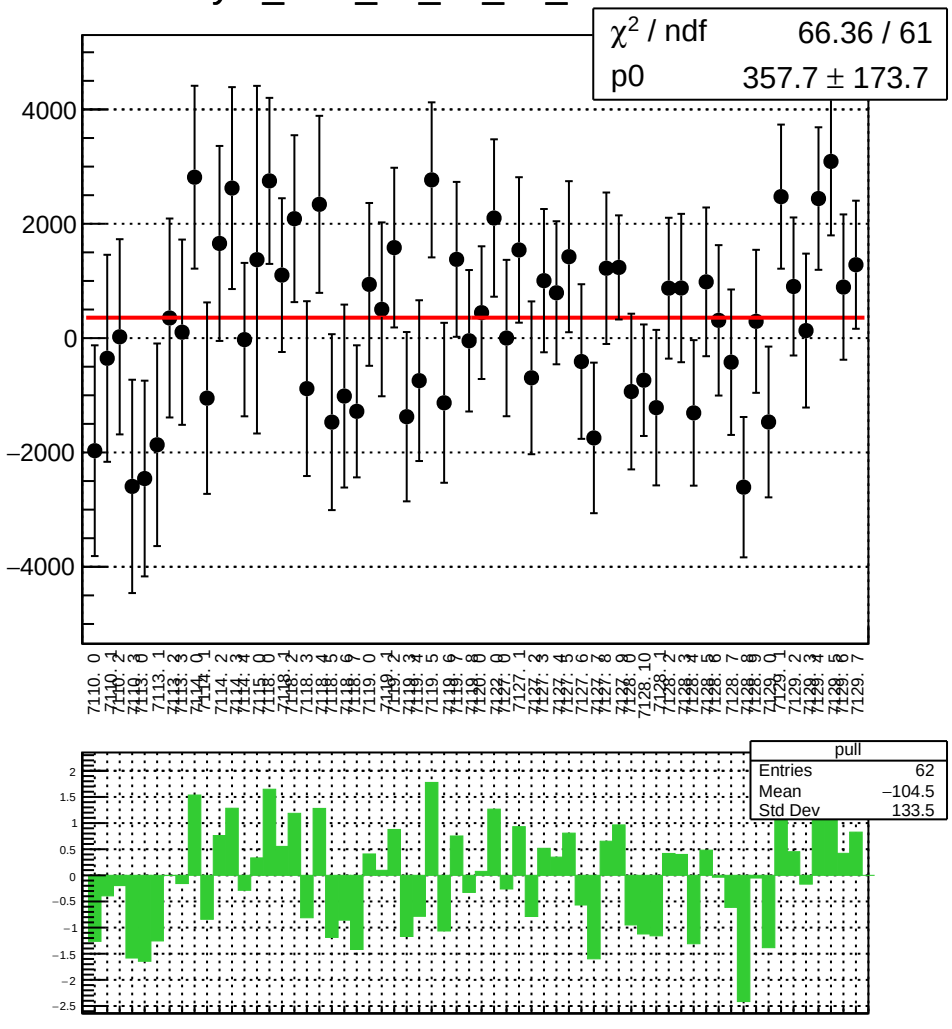

pull1D
Entries 62
Mean −0.01557
Std Dev 0.7863

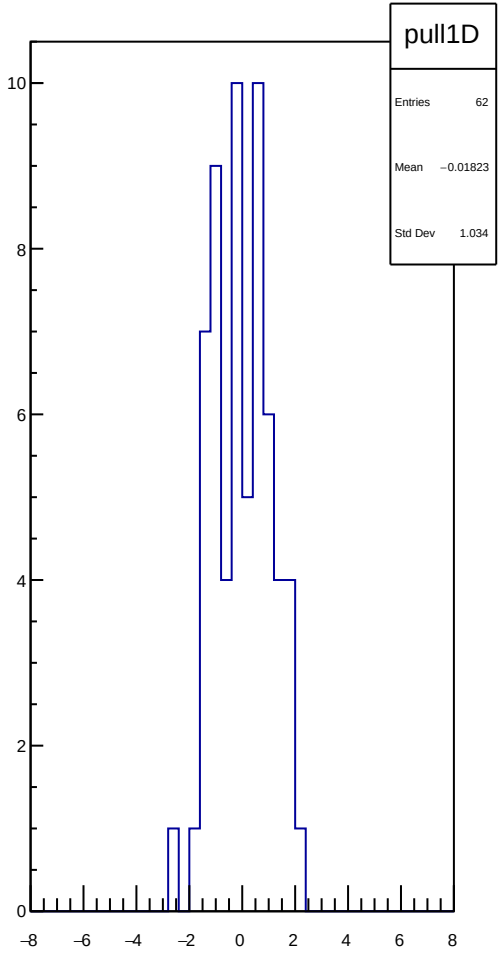

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5.111e+04 / 61
p0 44.77 ± 0.04197
65
60
55
50
45
40
35
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

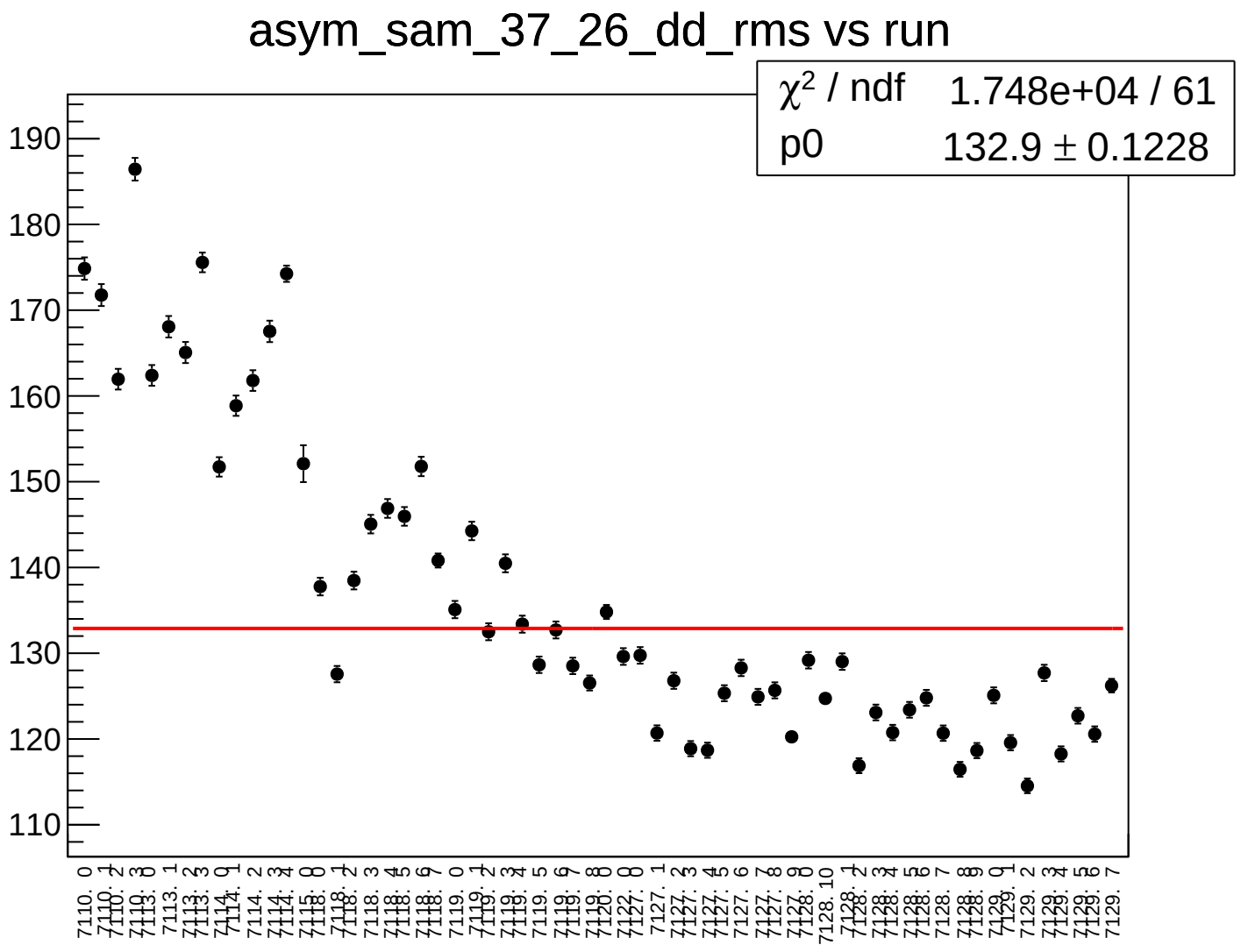

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 63.04 / 61
p0 −366.5 ± 191.4
pull
Entries 62
Mean 443.4
Std Dev 413.9

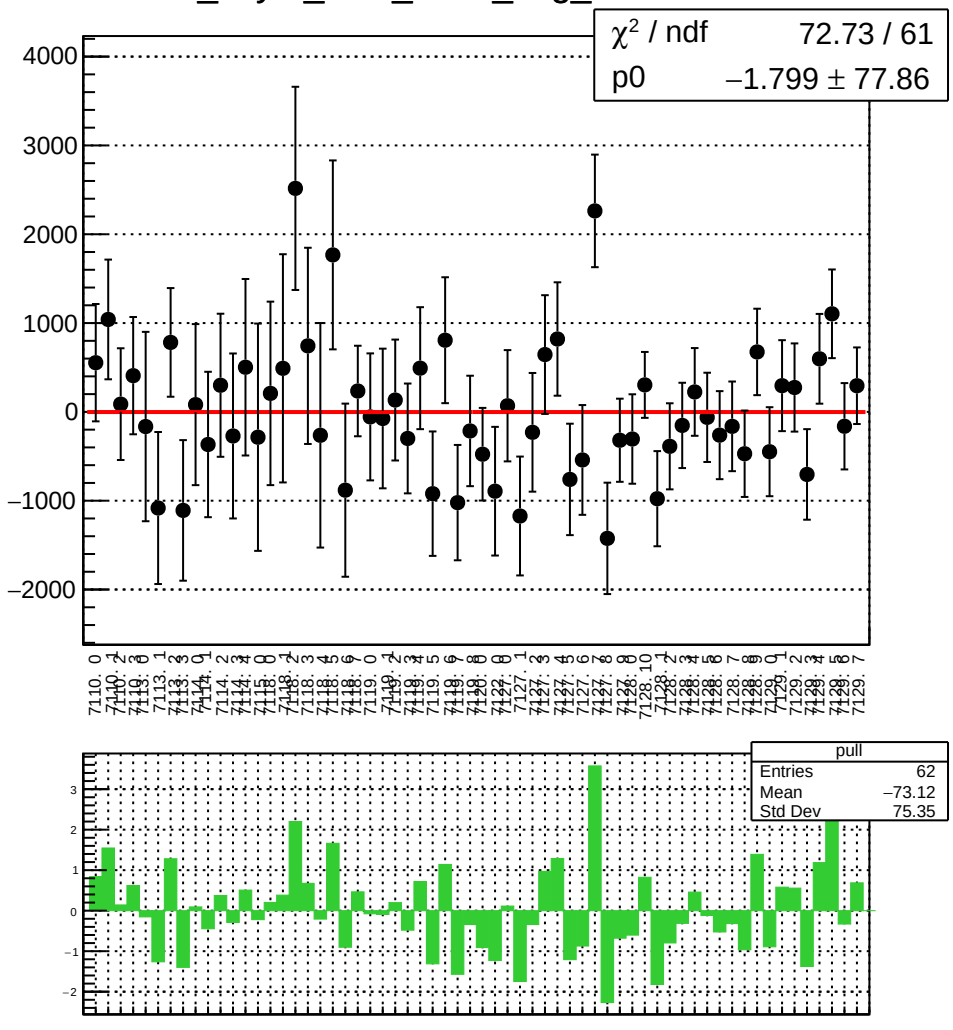

pull1D
Entries 62
Mean −0.006035
Std Dev 1.008

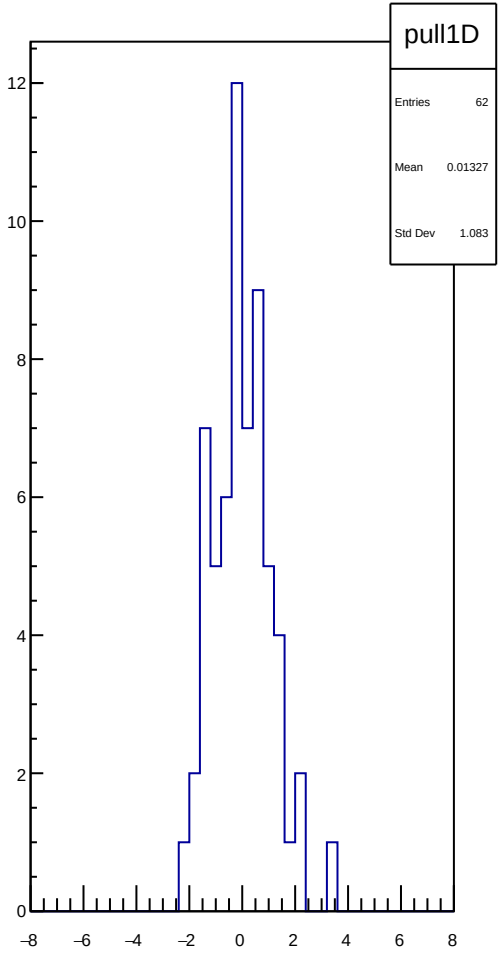

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.987e+04 / 61
p0 146.3 ± 0.1354
190
180
170
160
150
140
130
120

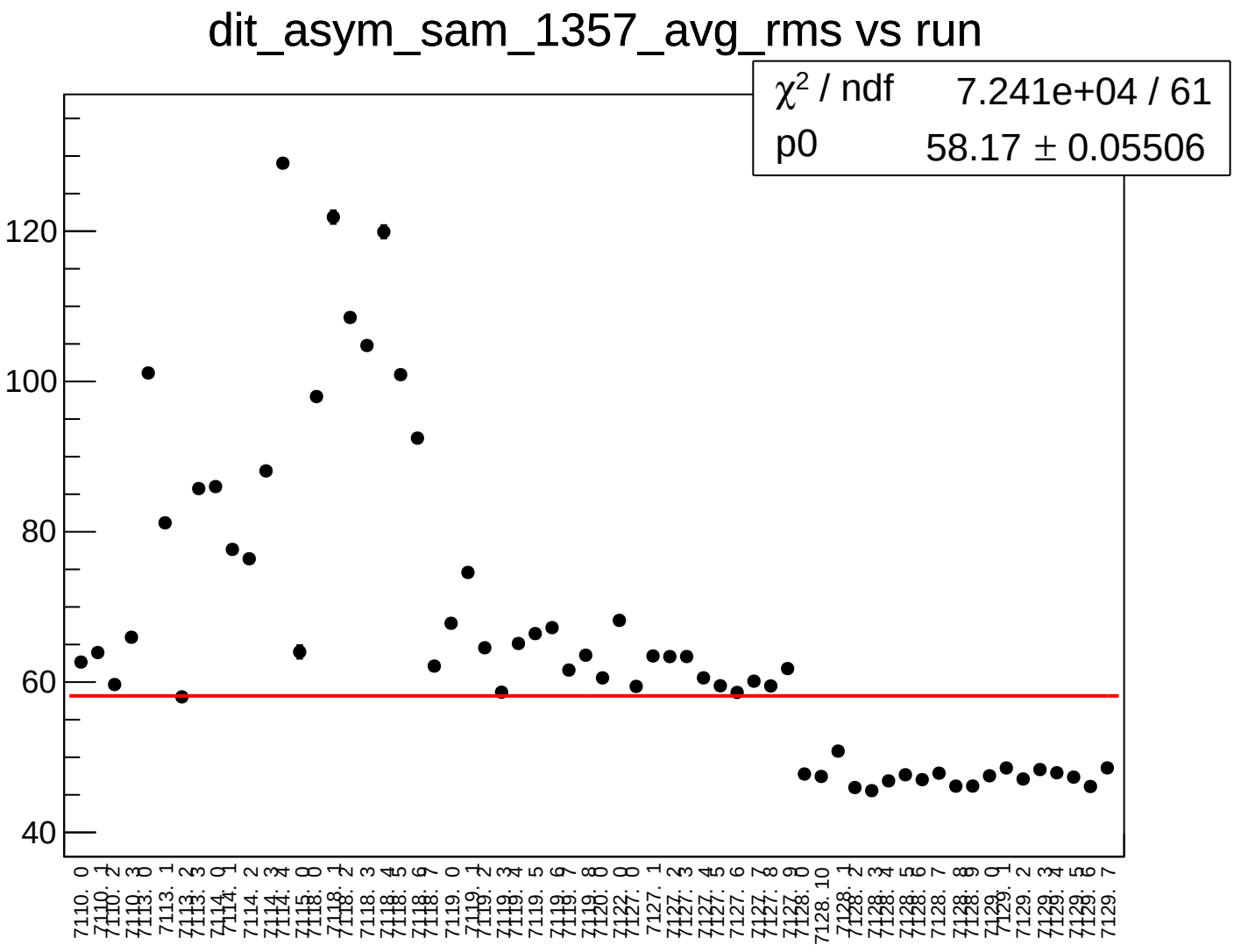

asym_sam_37_26_dd_mean vs run
χ² / ndf 66.36 / 61
p0 357.7 ± 173.7
pull
Entries 62
Mean −104.5
Std Dev 133.5

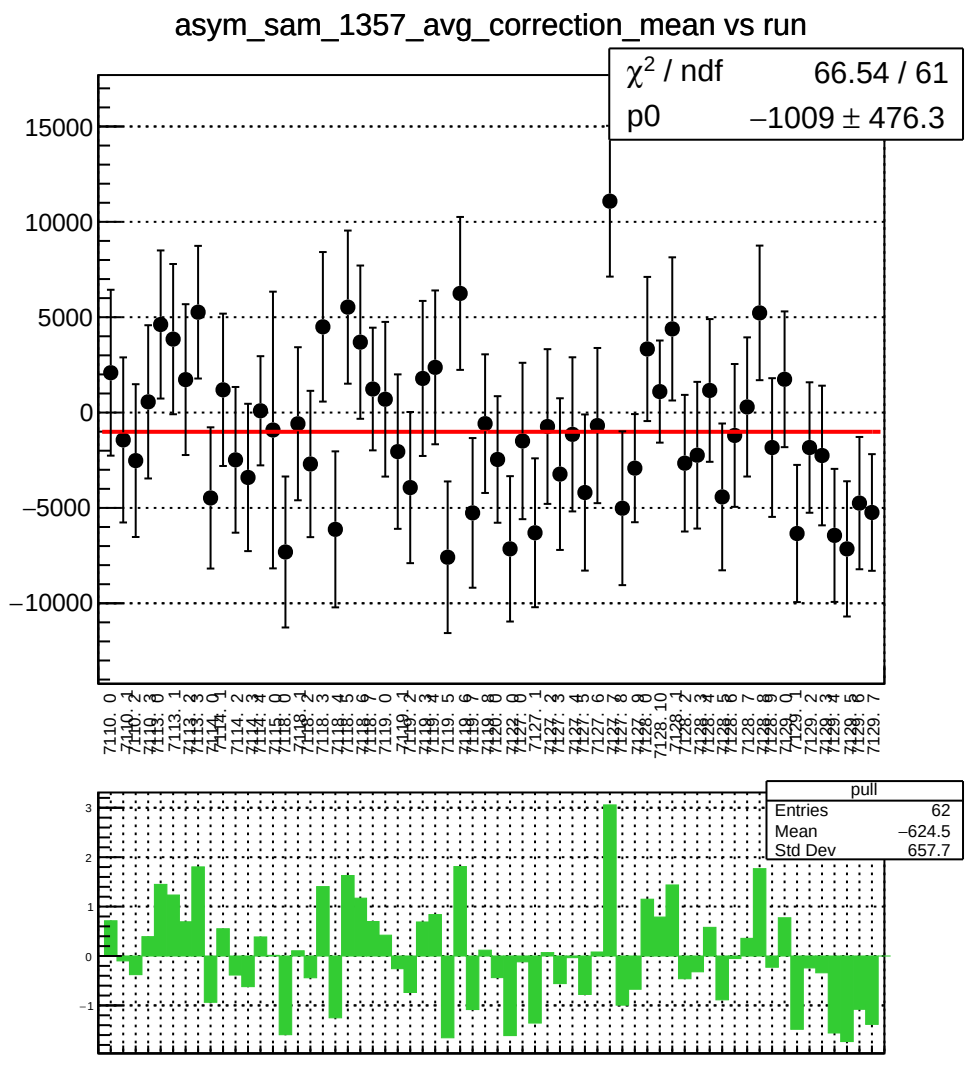

pull1D
Entries 62
Mean −0.01823
Std Dev 1.034

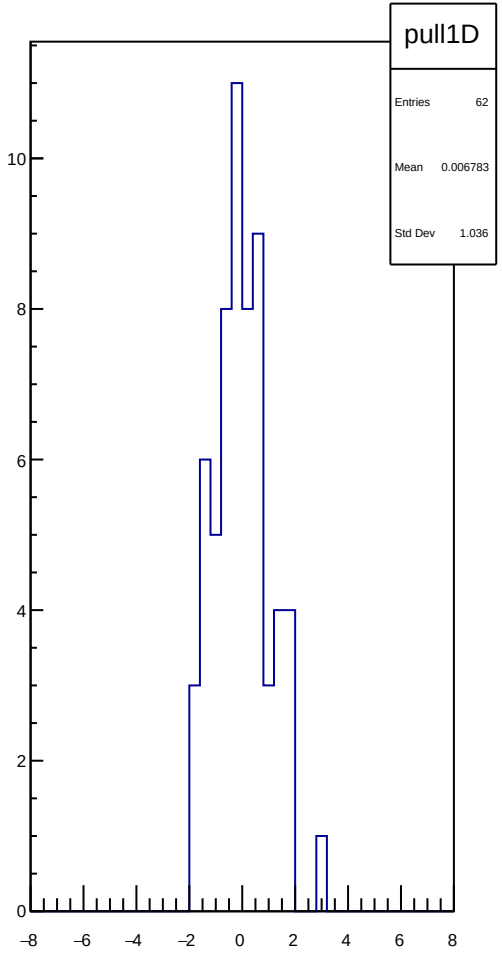

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.748e+04 / 61
p0 132.9 ± 0.1228
190
180
170
160
150
140
130
120
110

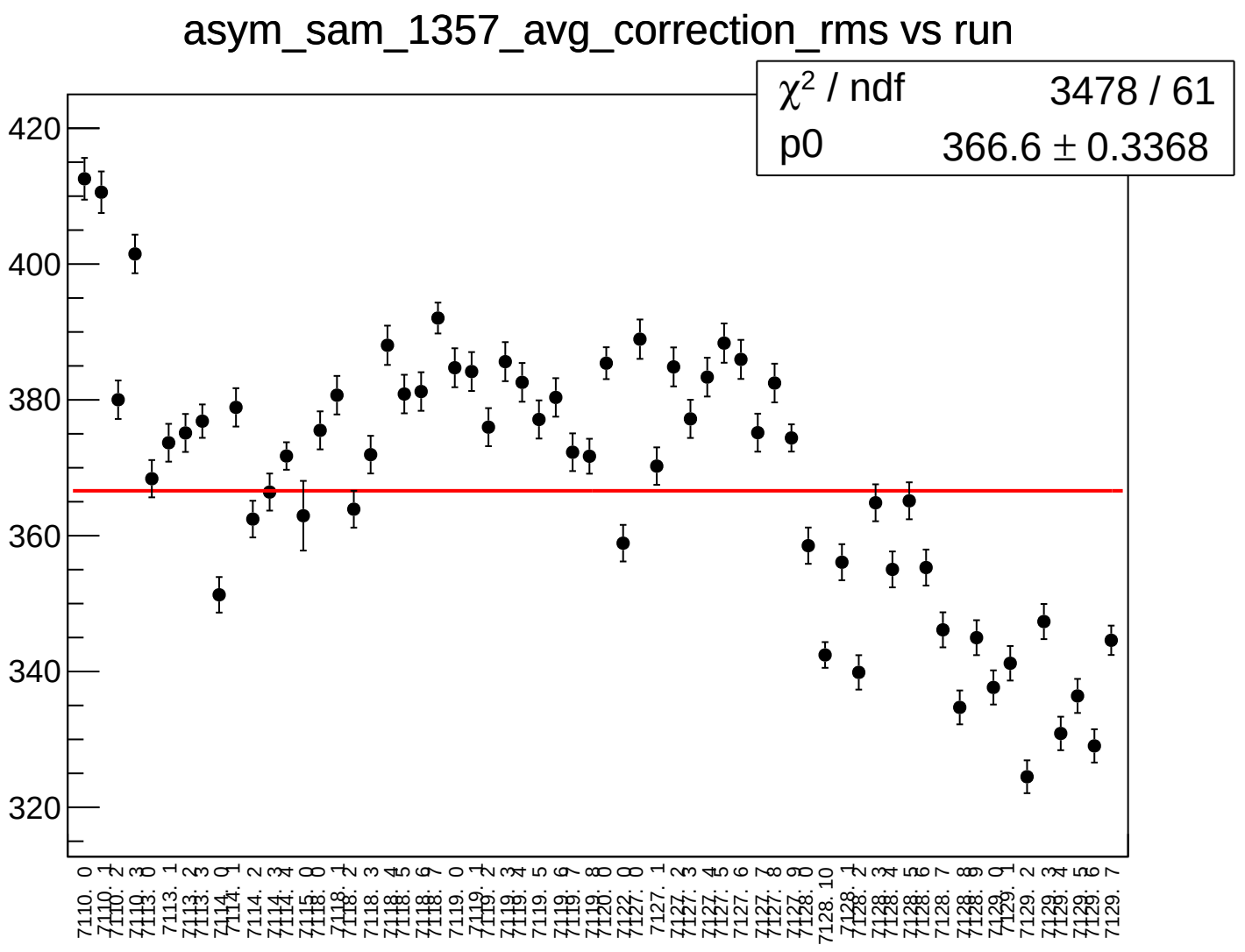

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 72.73 / 61
p0 −1.799 ± 77.86
pull
Entries 62
Mean −73.12
Std Dev 75.35

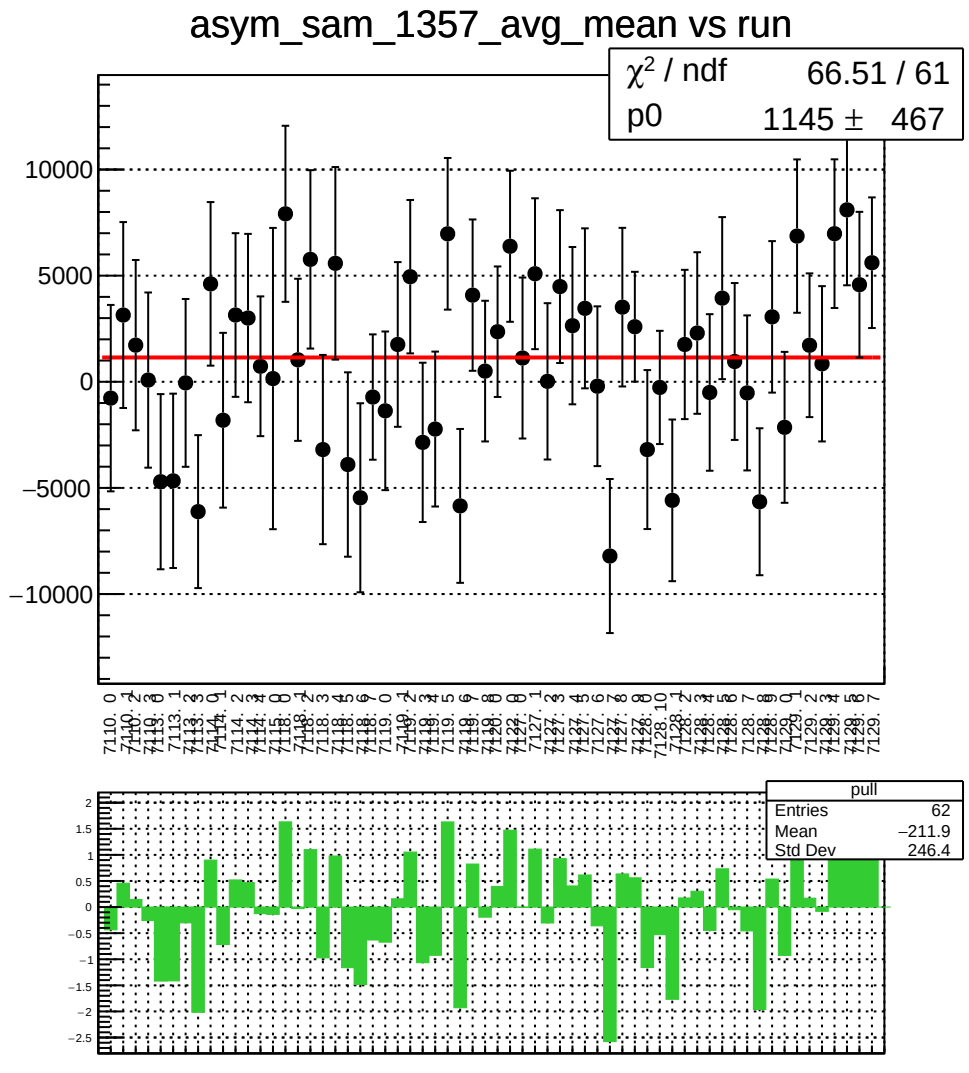

pull1D
Entries 62
Mean 0.01327
Std Dev 1.083

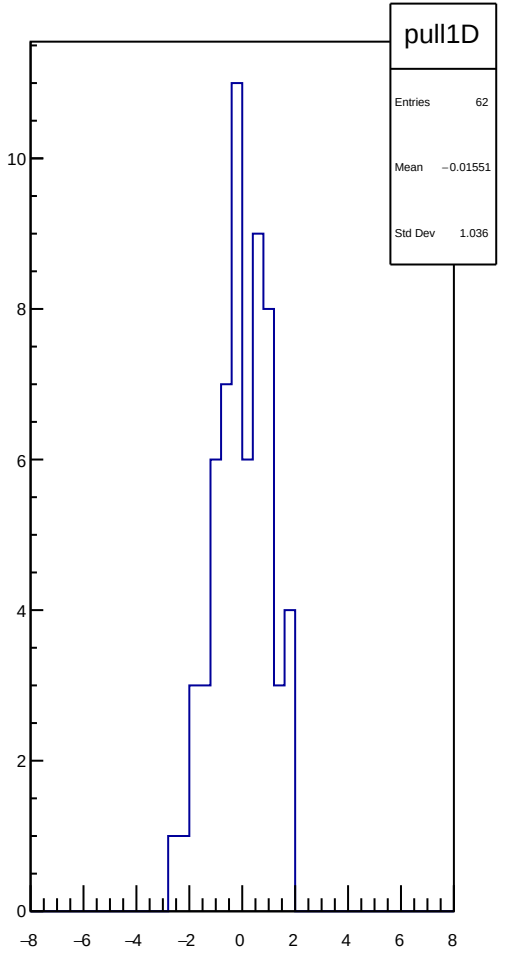

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 7.241e+04 / 61
p0 58.17 ± 0.05506
120
100
80
60
40
7110. 0
7110. 1
7110. 2
7110. 3
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

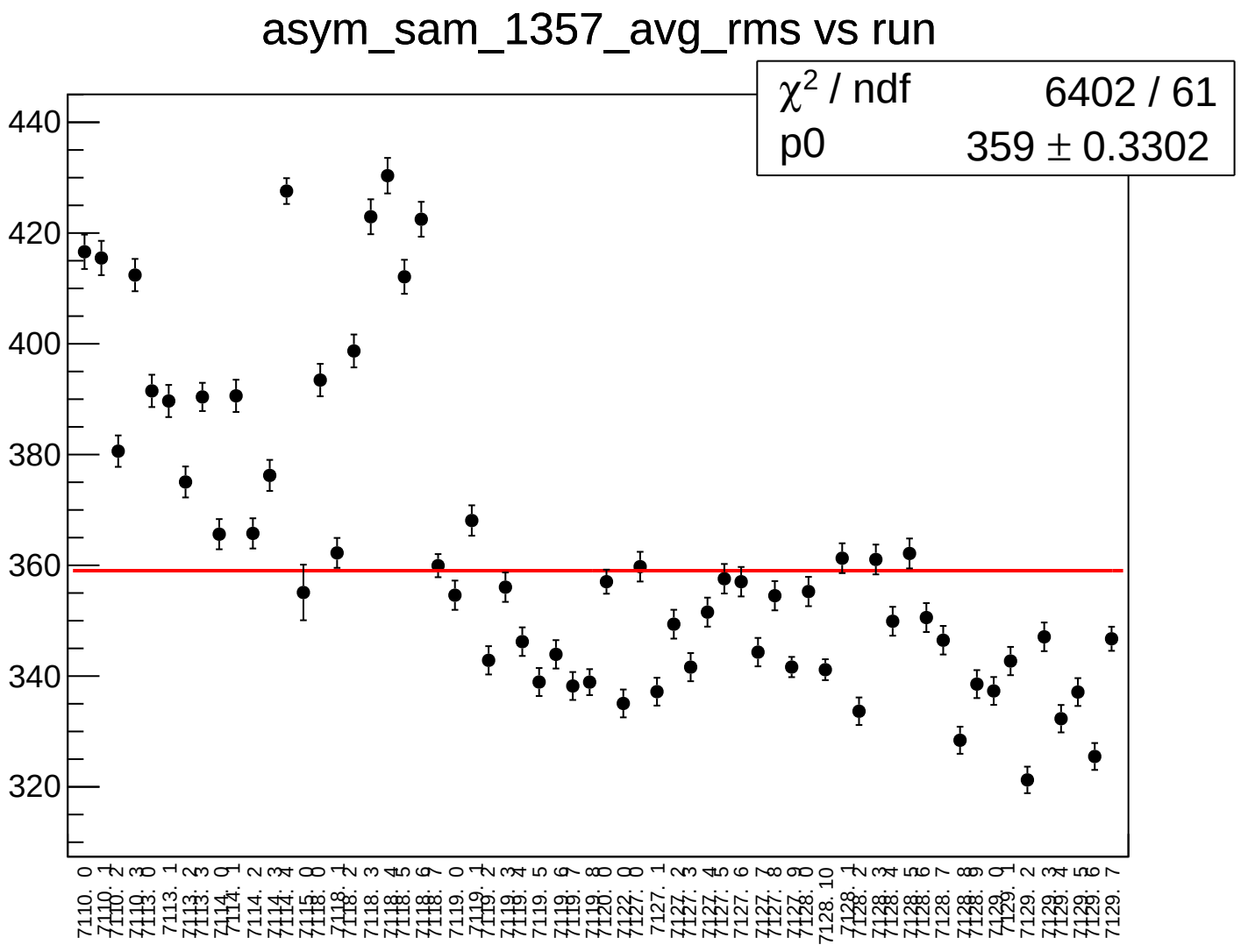

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 66.54 / 61
p0 −1009 ± 476.3
15000
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −624.5
Std Dev 657.7
3
2
1
0
−1

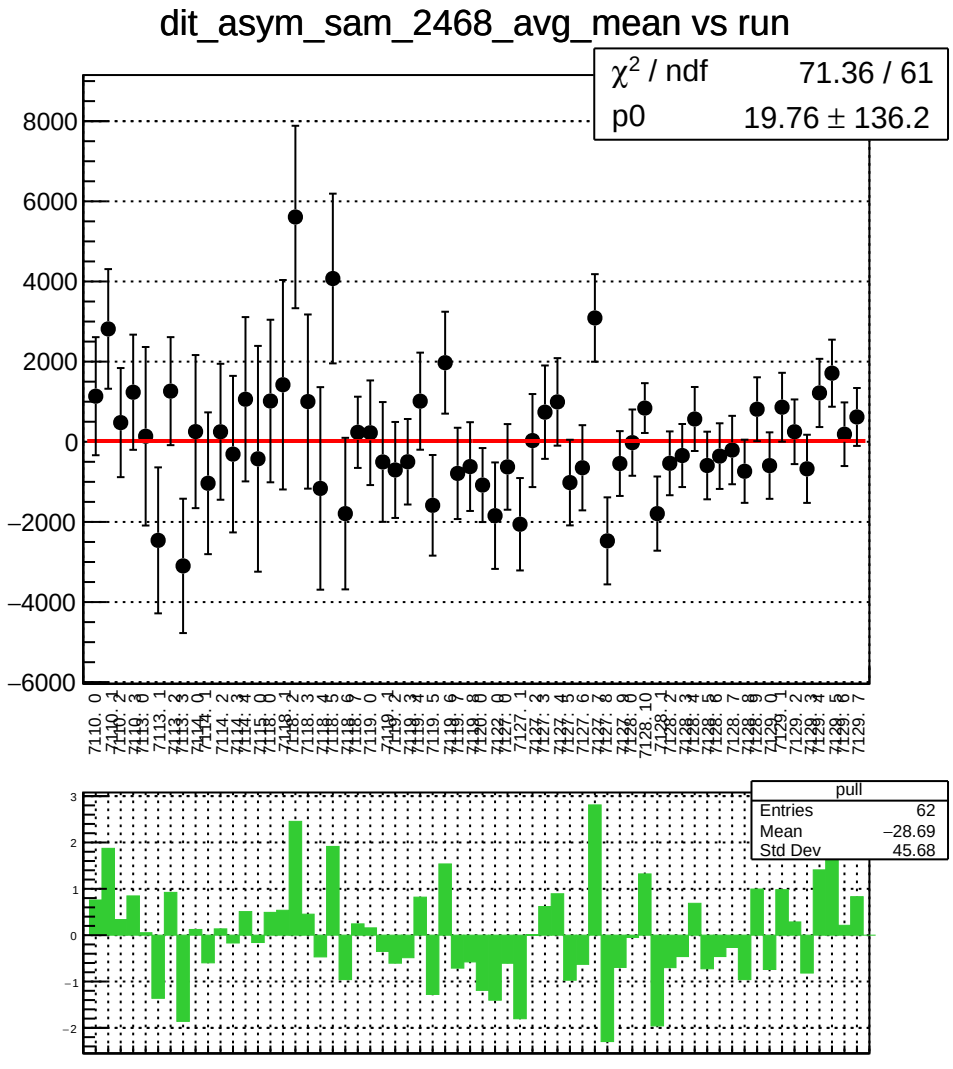

pull1D
Entries 62
Mean 0.006783
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

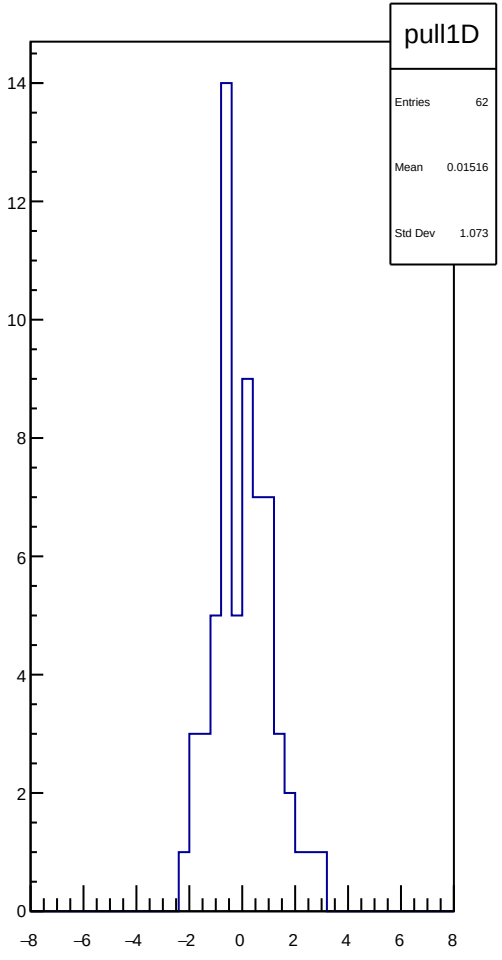

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3478 / 61
p0 366.6 ± 0.3368
420
400
380
360
340
320

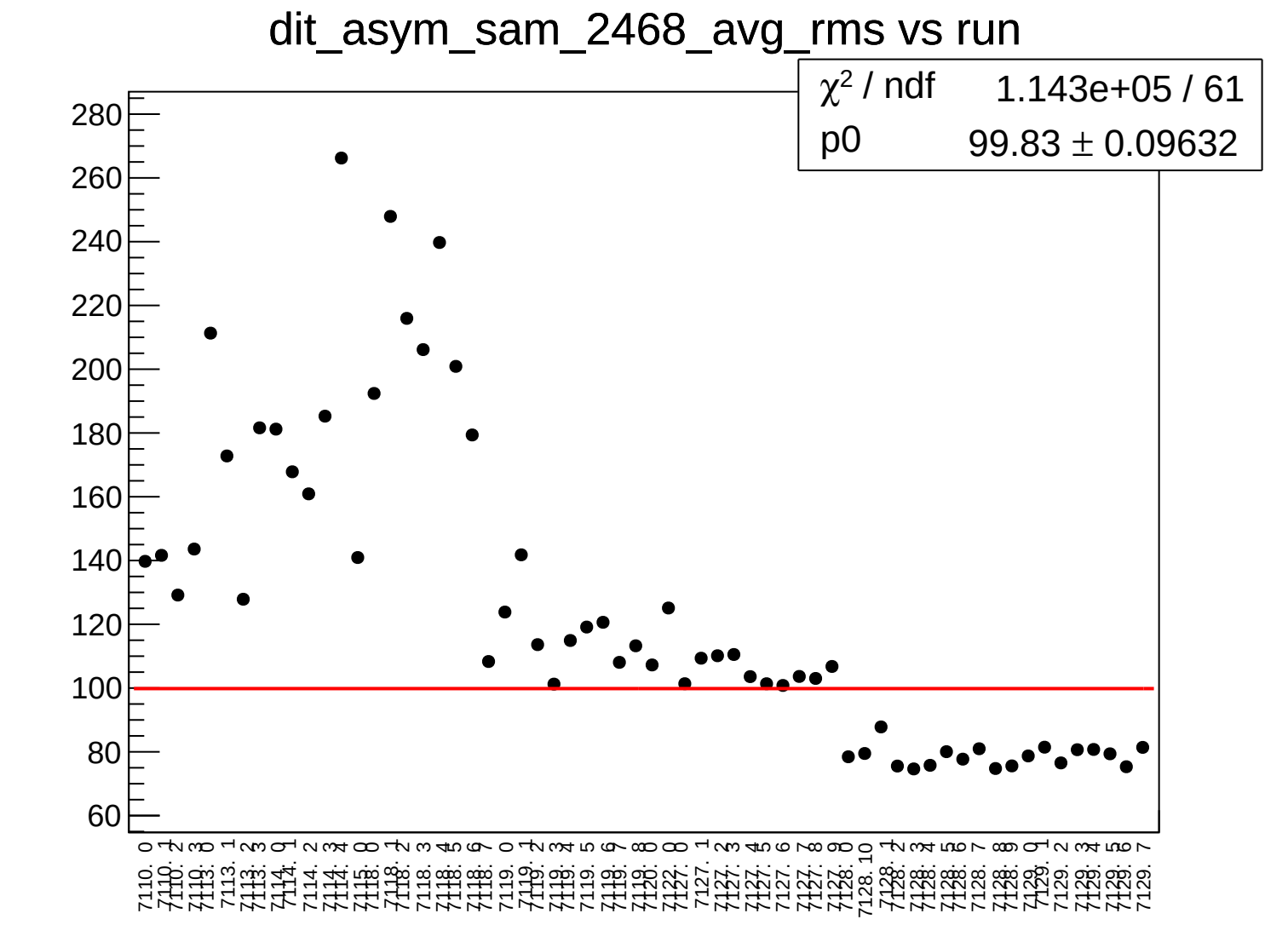

asym_sam_1357_avg_mean vs run
χ² / ndf 66.51 / 61
p0 1145 ± 467
10000
5000
0
−5000
−10000
pull
Entries 62
Mean −211.9
Std Dev 246.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

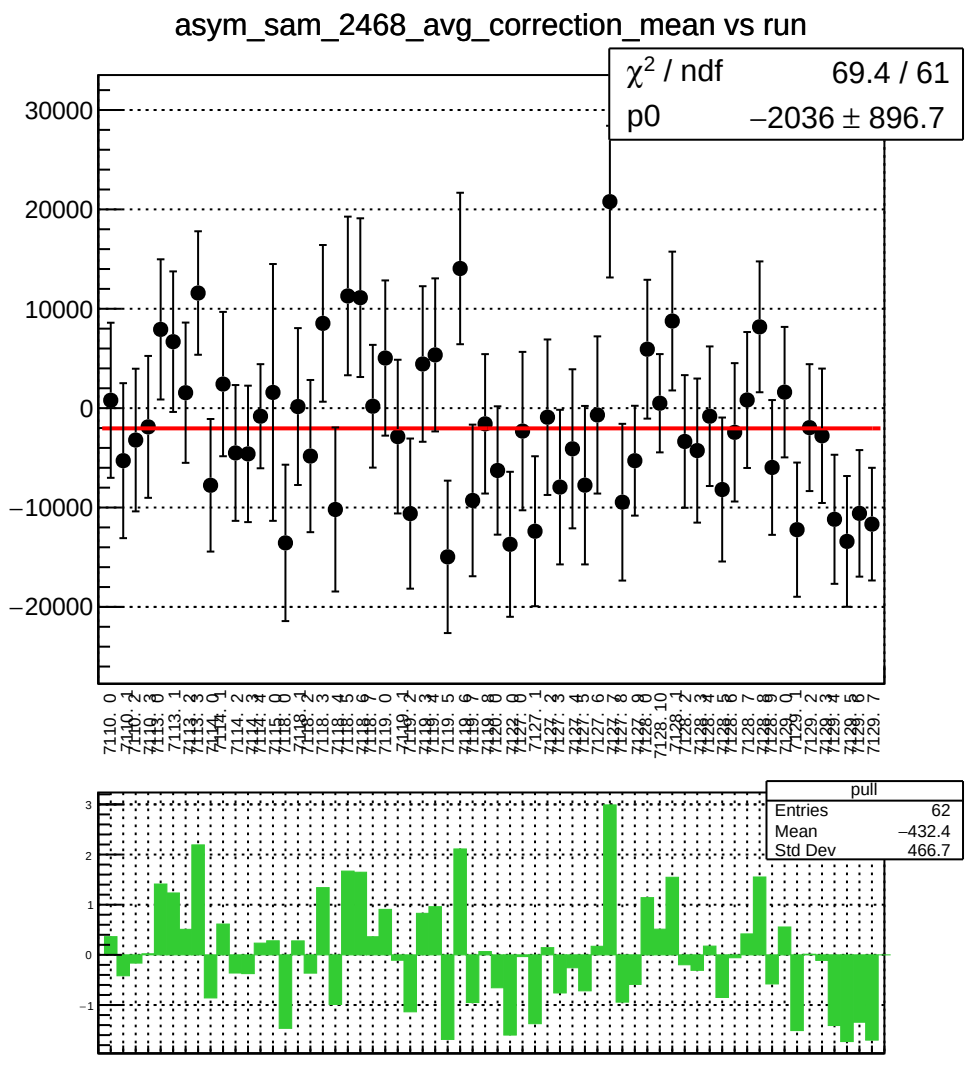

pull1D
Entries 62
Mean −0.01551
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

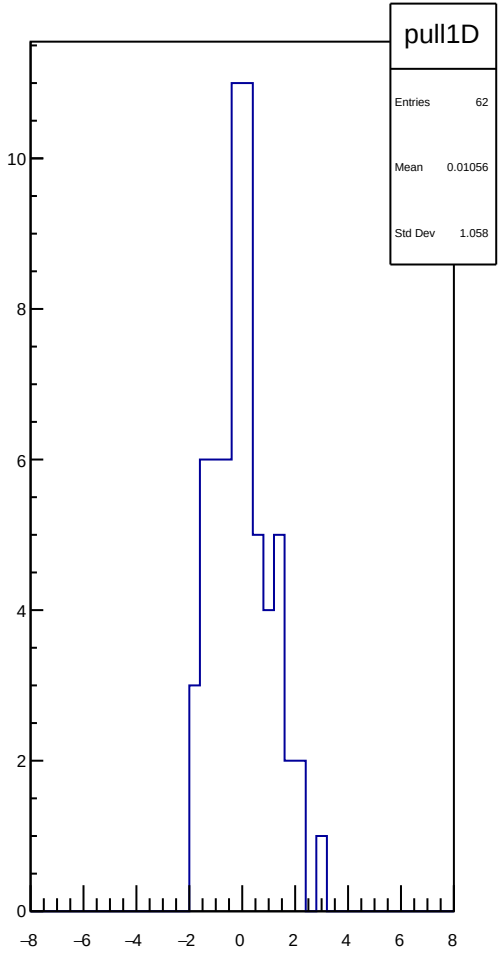

asym_sam_1357_avg_rms vs run
χ^2 / ndf 6402 / 61
p0 359 ± 0.3302
440
420
400
380
360
340
320
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7122. 8
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

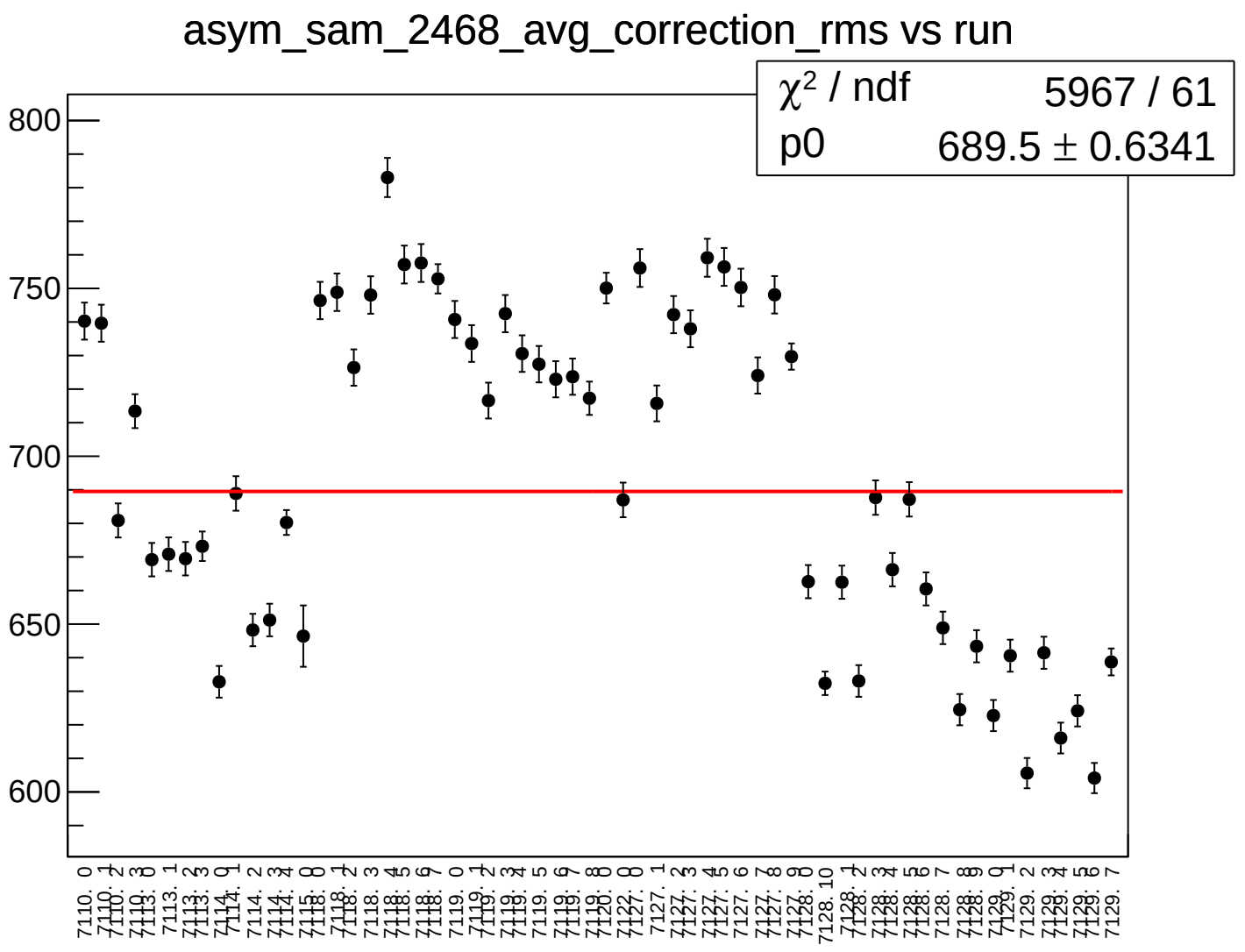

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 71.36 / 61
p0 19.76 ± 136.2
pull
Entries 62
Mean −28.69
Std Dev 45.68

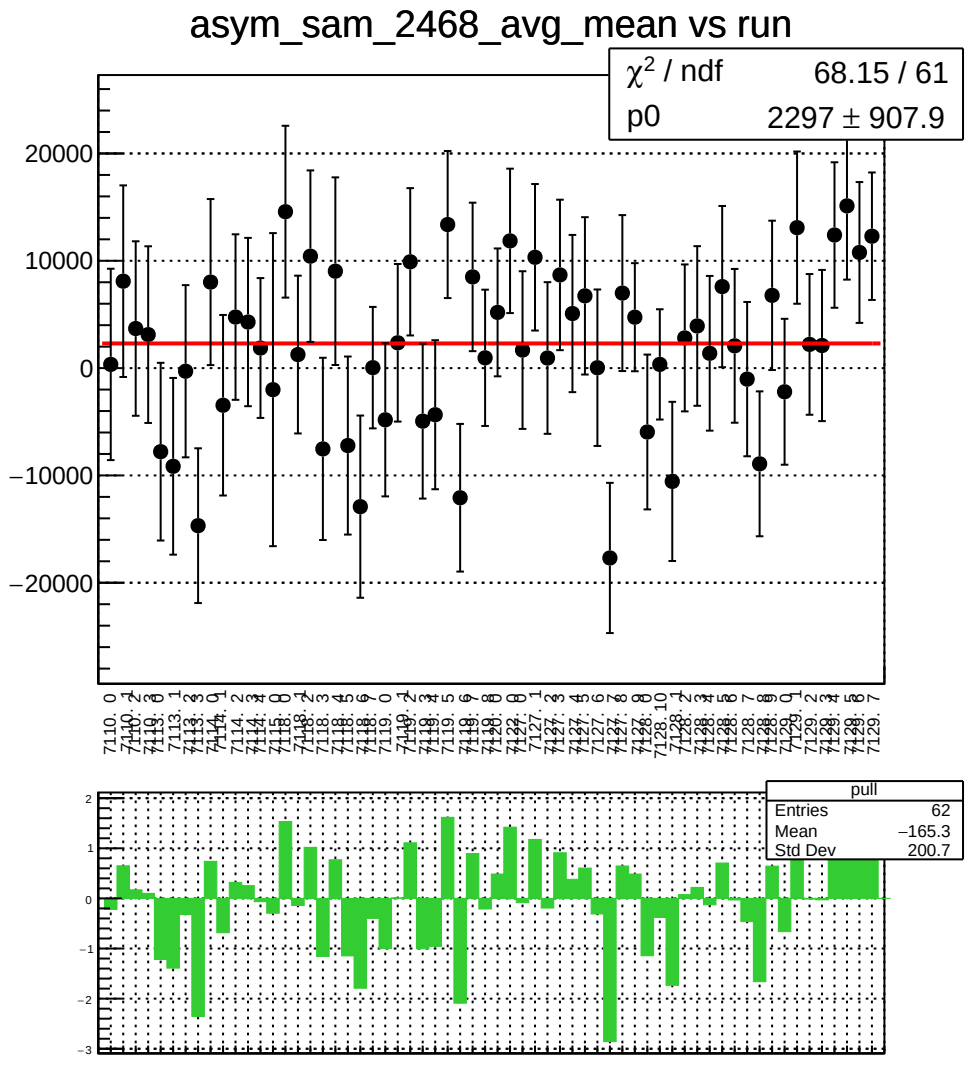

pull1D
Entries 62
Mean 0.01516
Std Dev 1.073

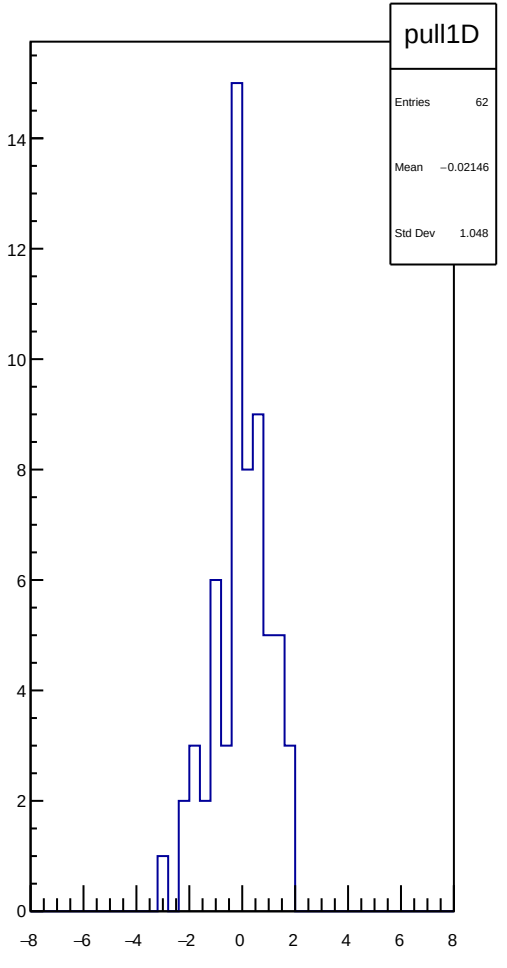

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.143e+05 / 61
p0 99.83 ± 0.09632
280
260
240
220
200
180
160
140
120
100
80
60

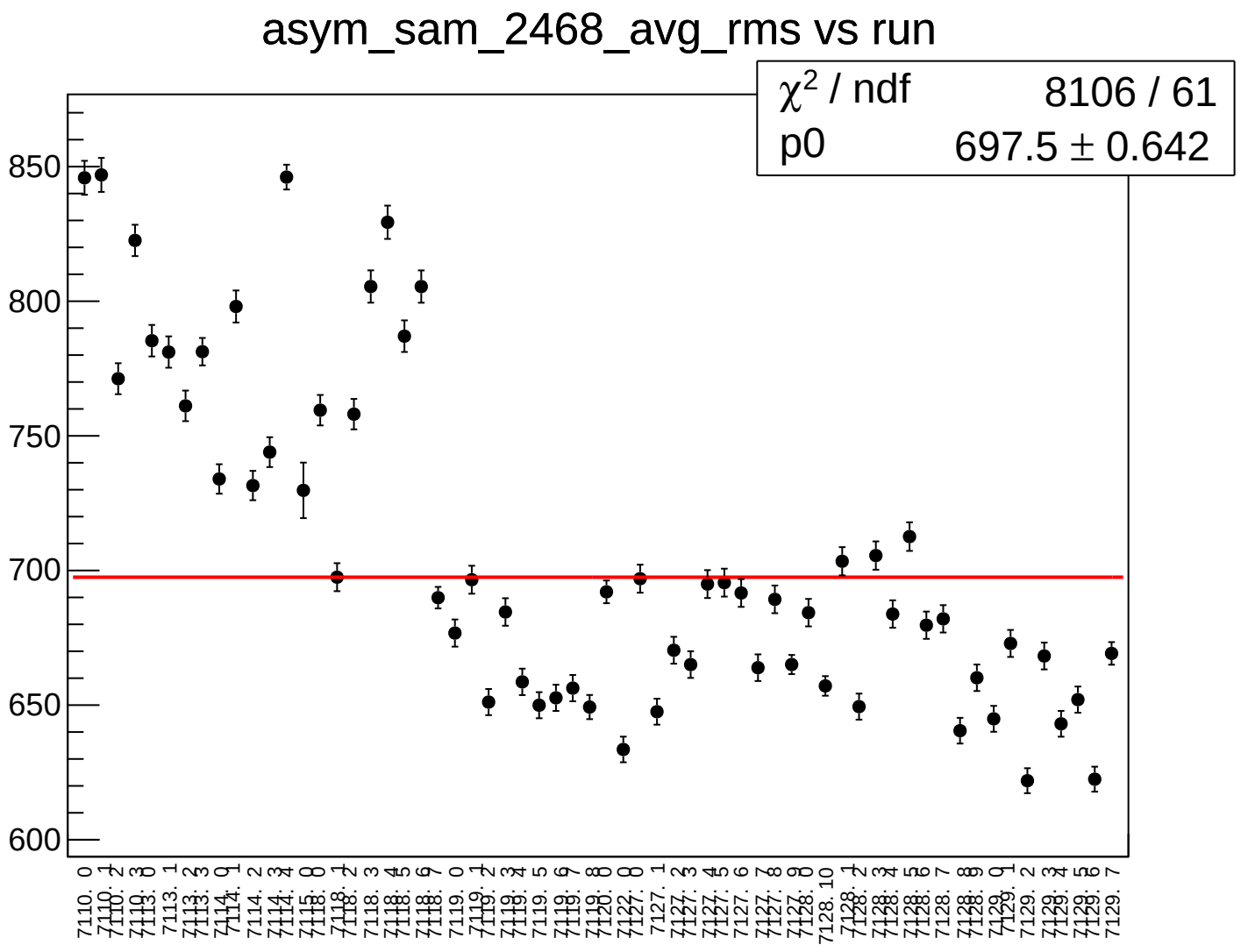

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 69.4 / 61
p0 −2036 ± 896.7
pull
Entries 62
Mean −432.4
Std Dev 466.7

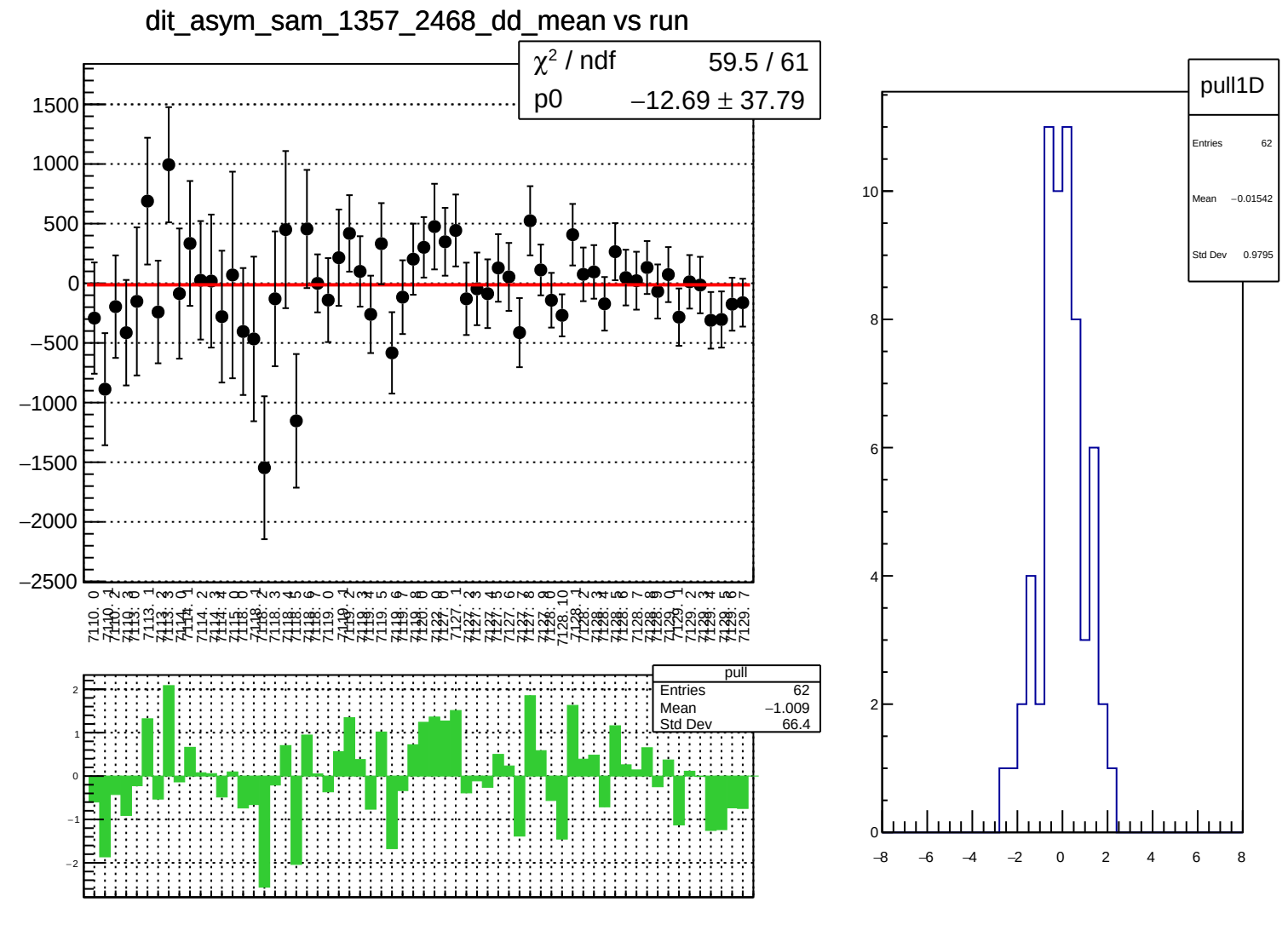

pull1D
Entries 62
Mean 0.01056
Std Dev 1.058

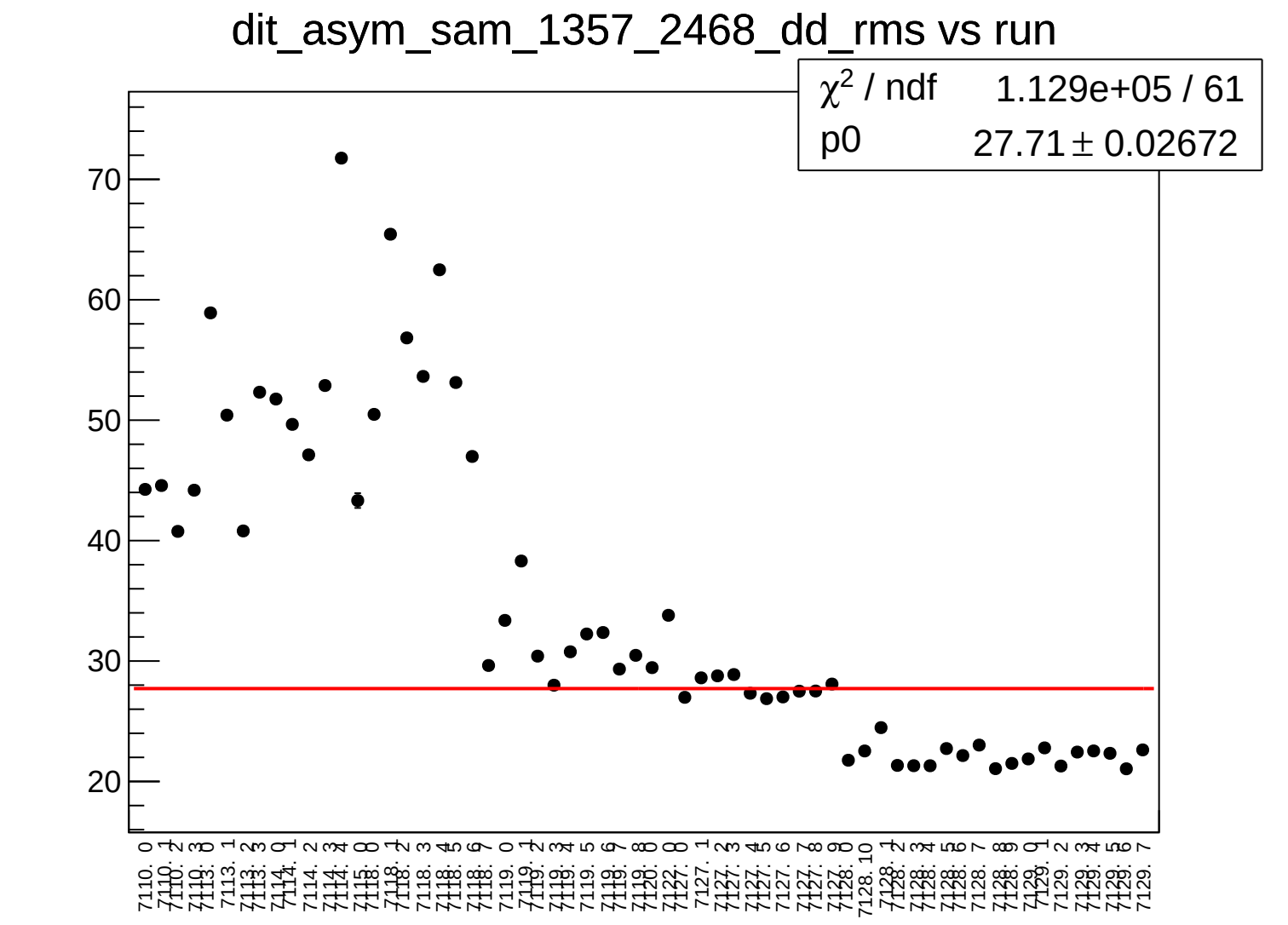

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 5967 / 61
p0 689.5 ± 0.6341
800
750
700
650
600

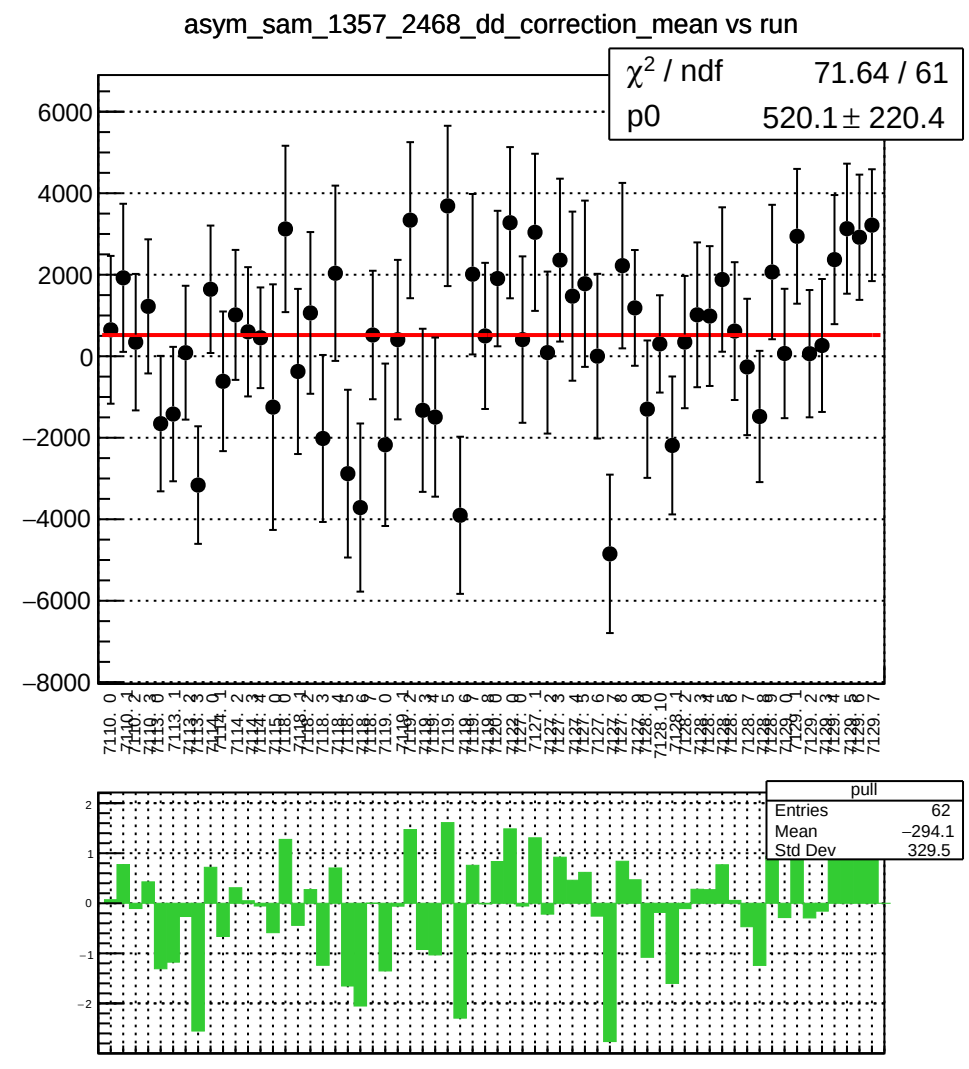

asym_sam_2468_avg_mean vs run
χ² / ndf 68.15 / 61
p0 2297 ± 907.9
20000
10000
0
−10000
−20000
pull
Entries 62
Mean −165.3
Std Dev 200.7
2
1
0
−1
−2
−3

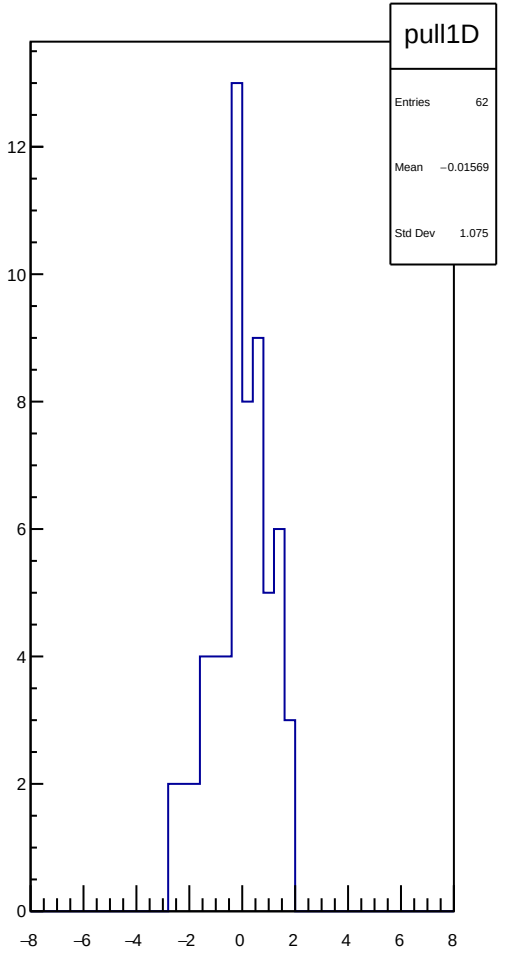

pull1D
Entries 62
Mean −0.02146
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

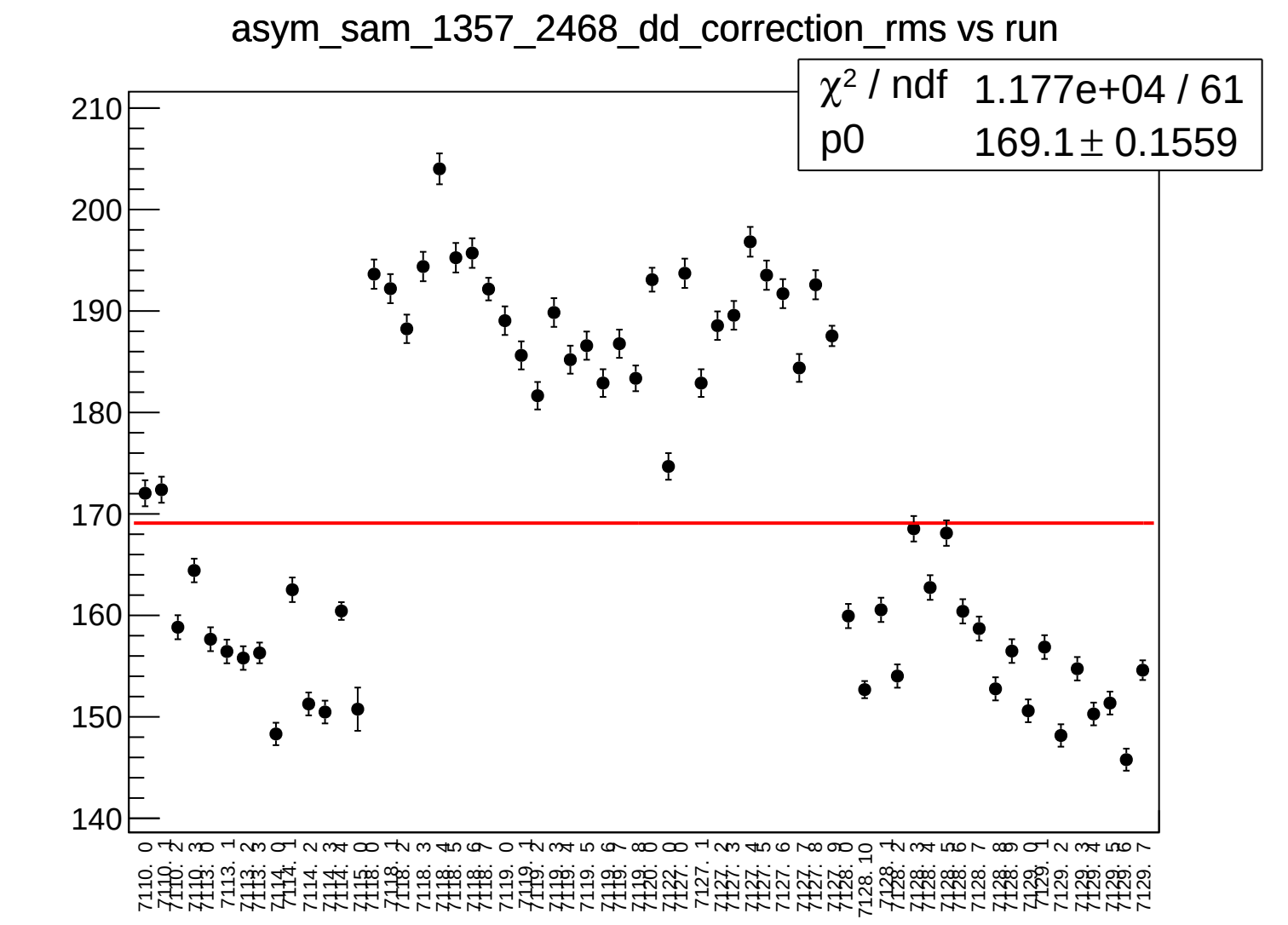

asym_sam_2468_avg_rms vs run
χ² / ndf 8106 / 61
p0 697.5 ± 0.642
850
800
750
700
650
600

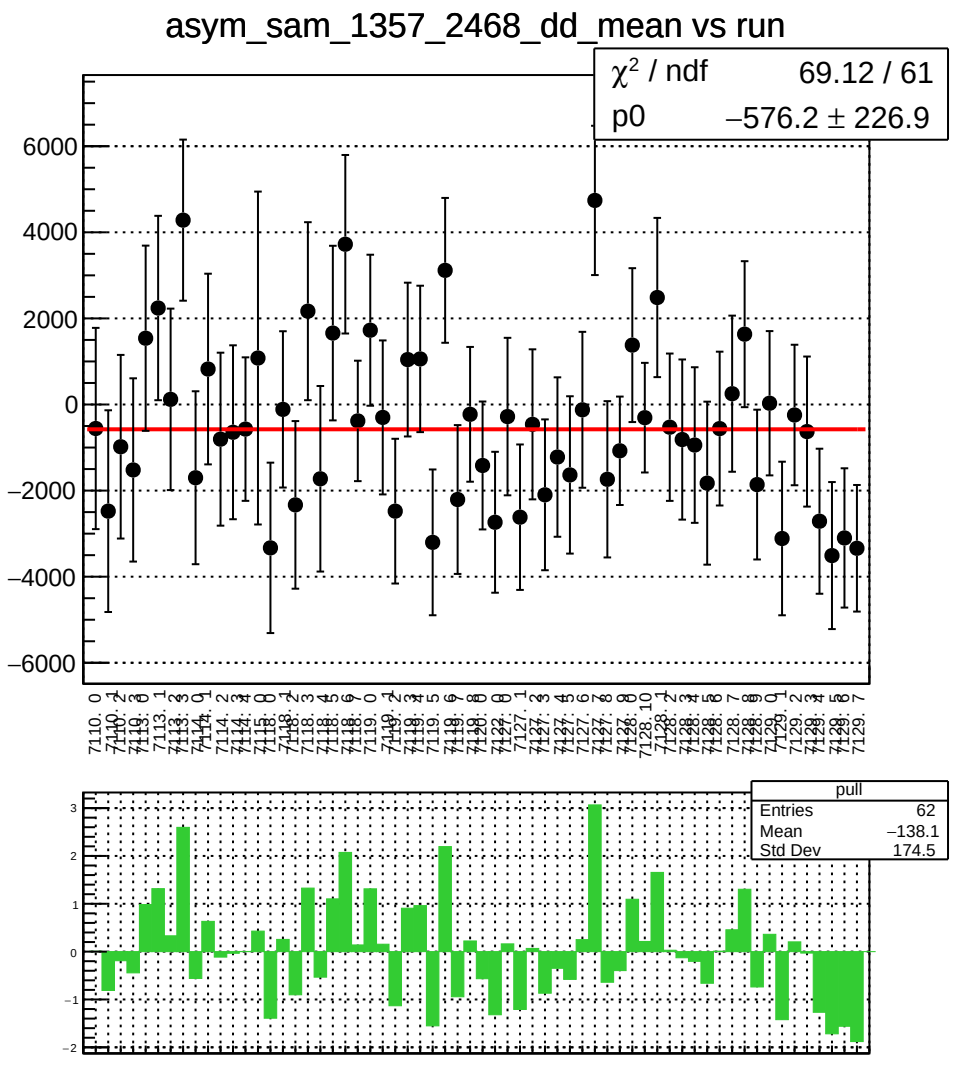

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 59.5 / 61
p0 −12.69 ± 37.79
pull
Entries 62
Mean −1.009
Std Dev 66.4
pull1D
Entries 62
Mean −0.01542
Std Dev 0.9795

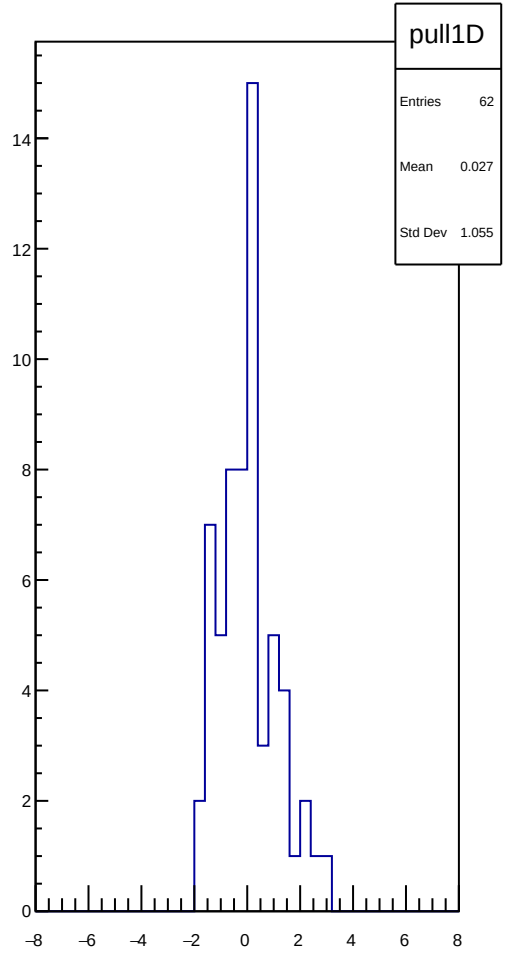

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.129e+05 / 61
p0 27.71 ± 0.02672
70
60
50
40
30
20
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

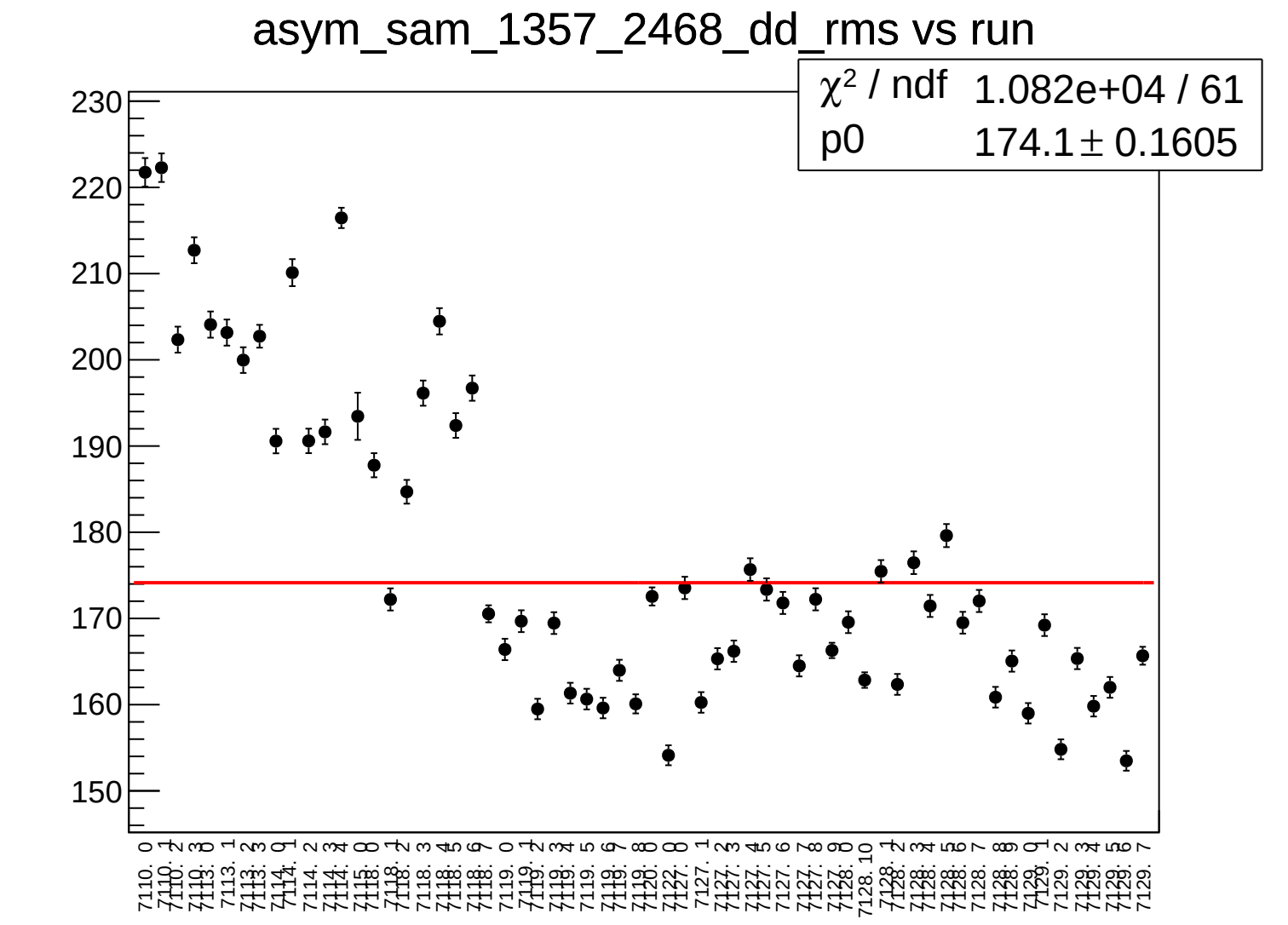

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 71.64 / 61
p0 520.1 ± 220.4
pull
Entries 62
Mean −294.1
Std Dev 329.5

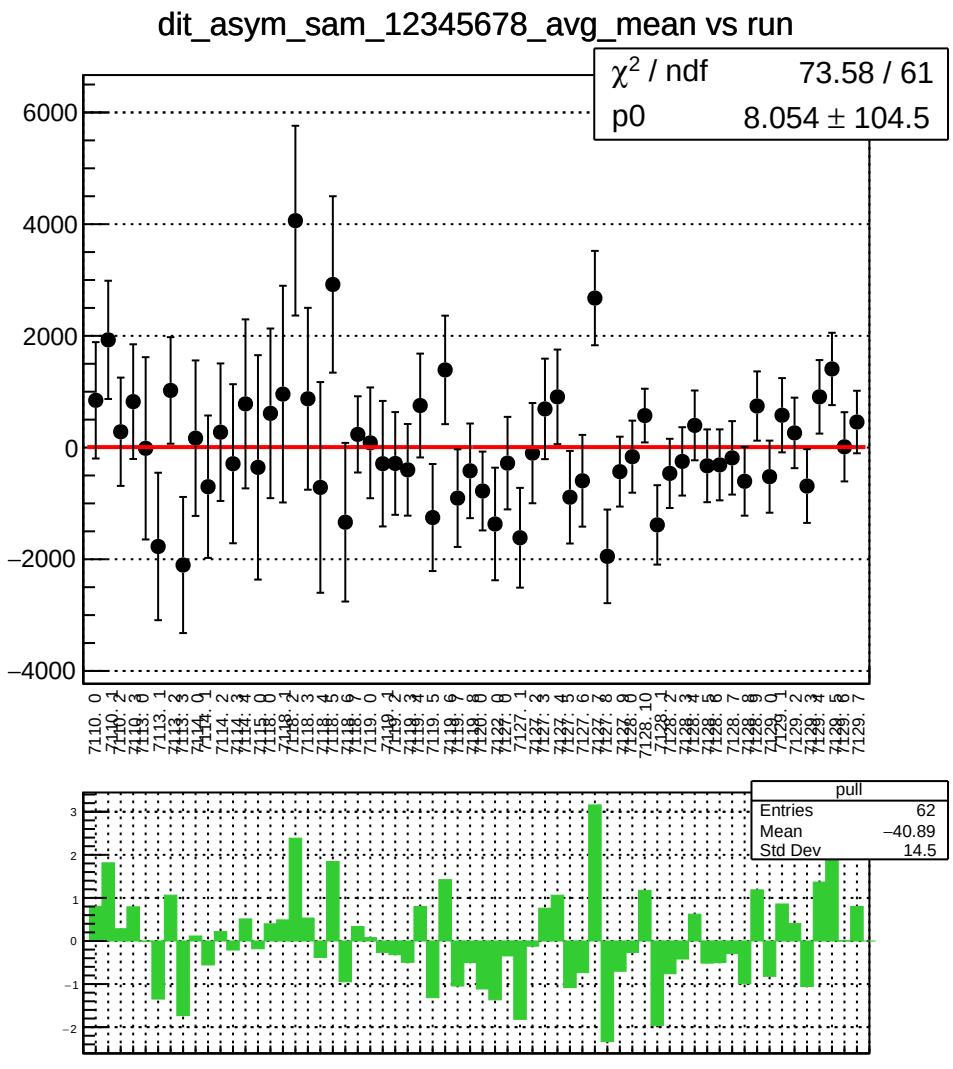

pull1D
Entries 62
Mean −0.01569
Std Dev 1.075

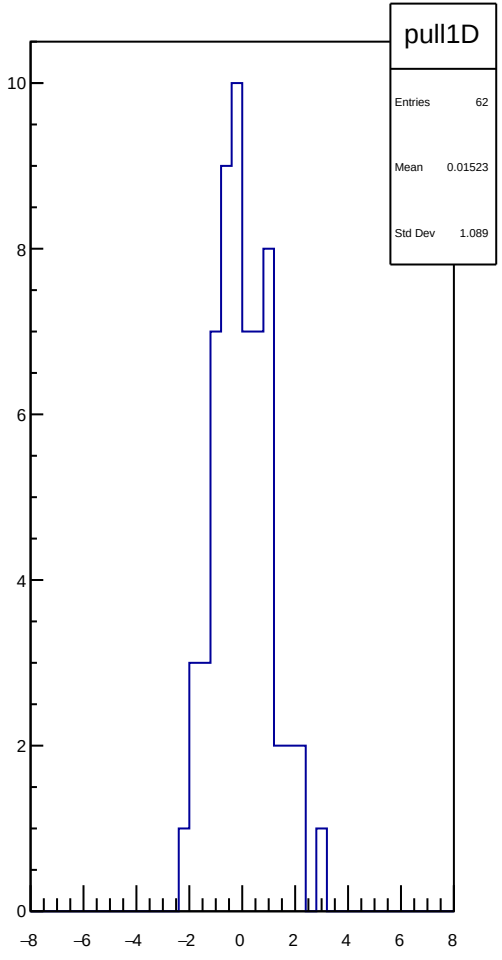

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.177e+04 / 61
p0 169.1 ± 0.1559
210
200
190
180
170
160
150
140
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

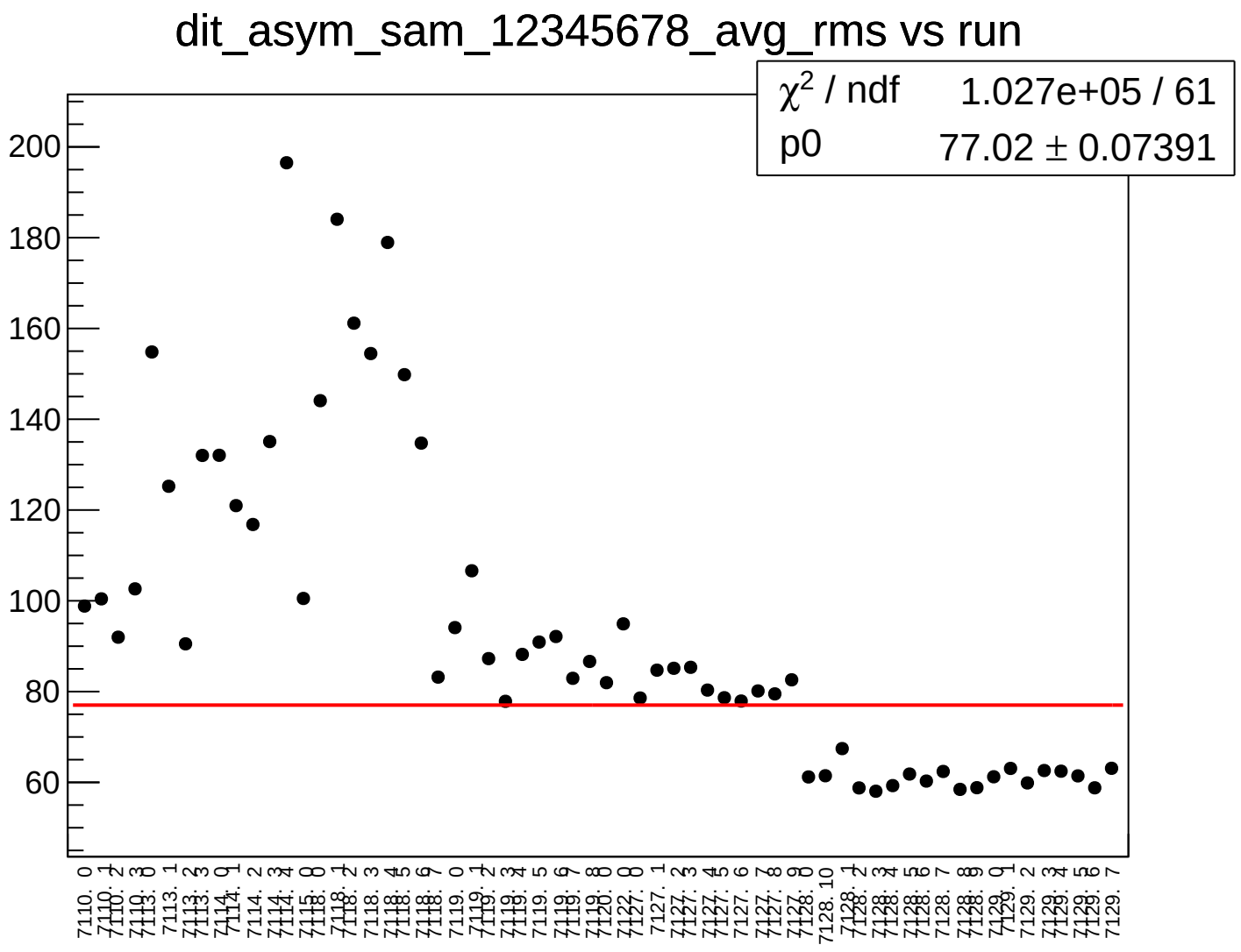

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 69.12 / 61
p0 −576.2 ± 226.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 62
Mean −138.1
Std Dev 174.5
3
2
1
0
−1
−2

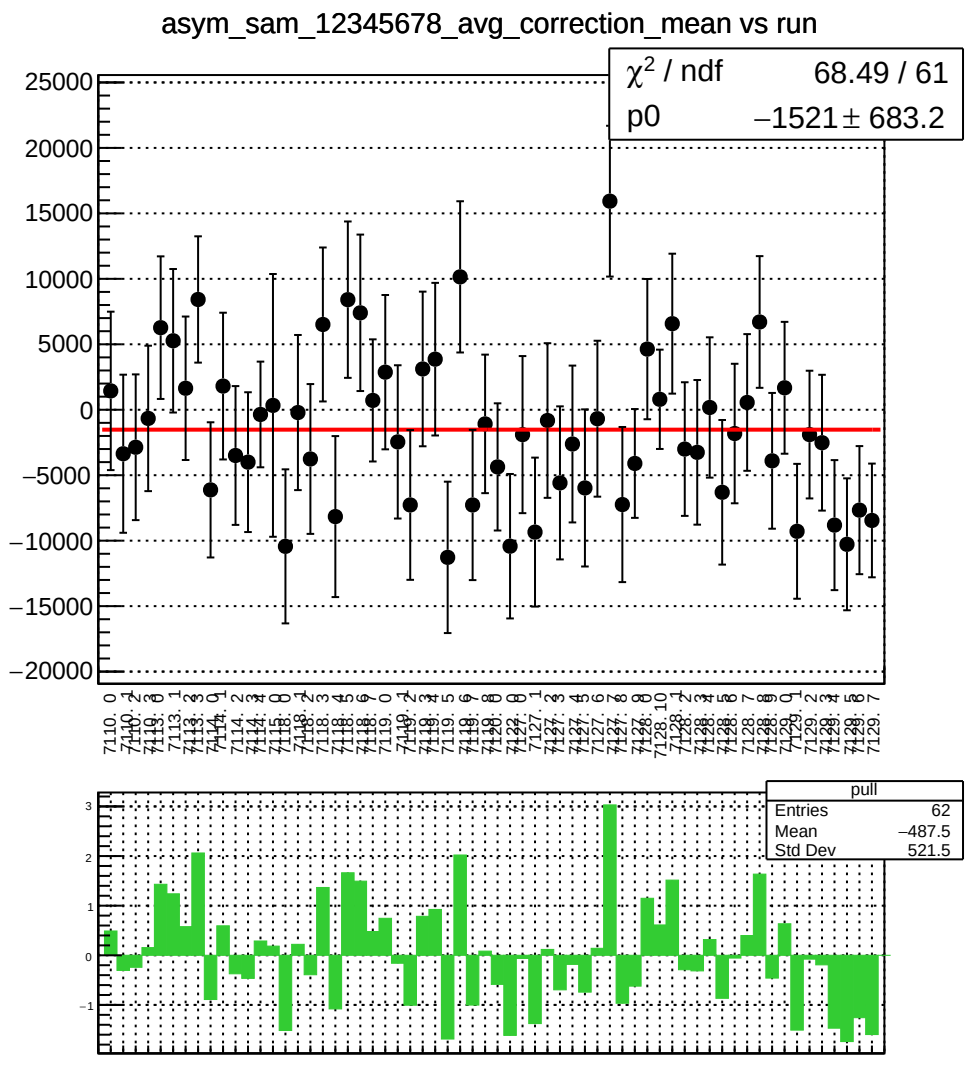

pull1D
Entries 62
Mean 0.027
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

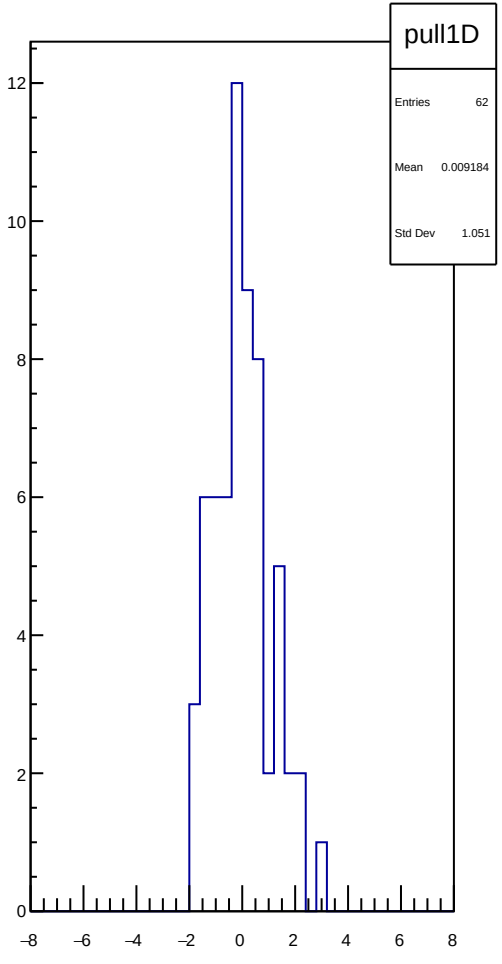

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.082e+04 / 61
p0 174.1 ± 0.1605
230
220
210
200
190
180
170
160
150
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7119. 8
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7127. 9
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

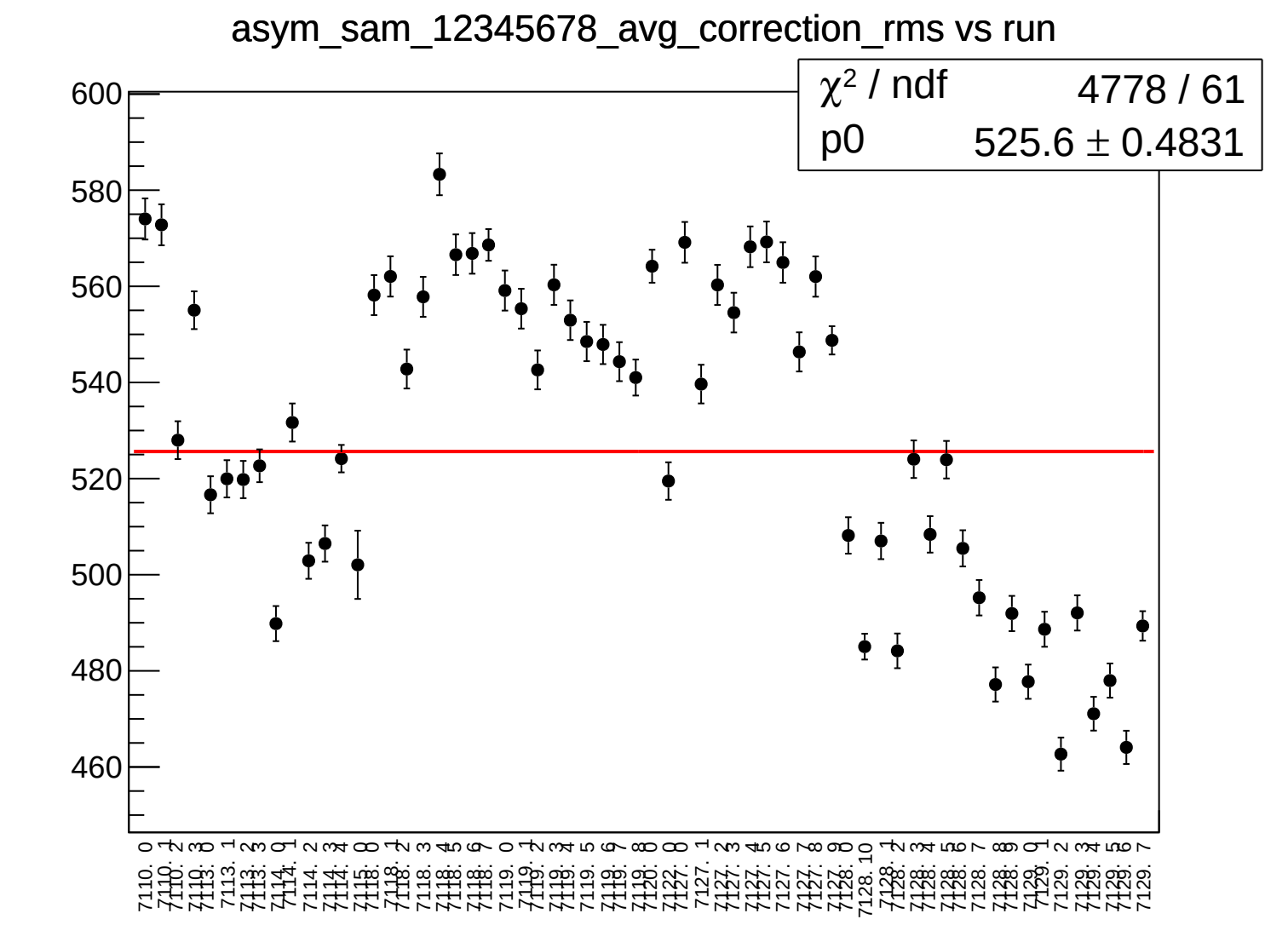

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 73.58 / 61
p0 8.054 ± 104.5
pull
Entries 62
Mean −40.89
Std Dev 14.5

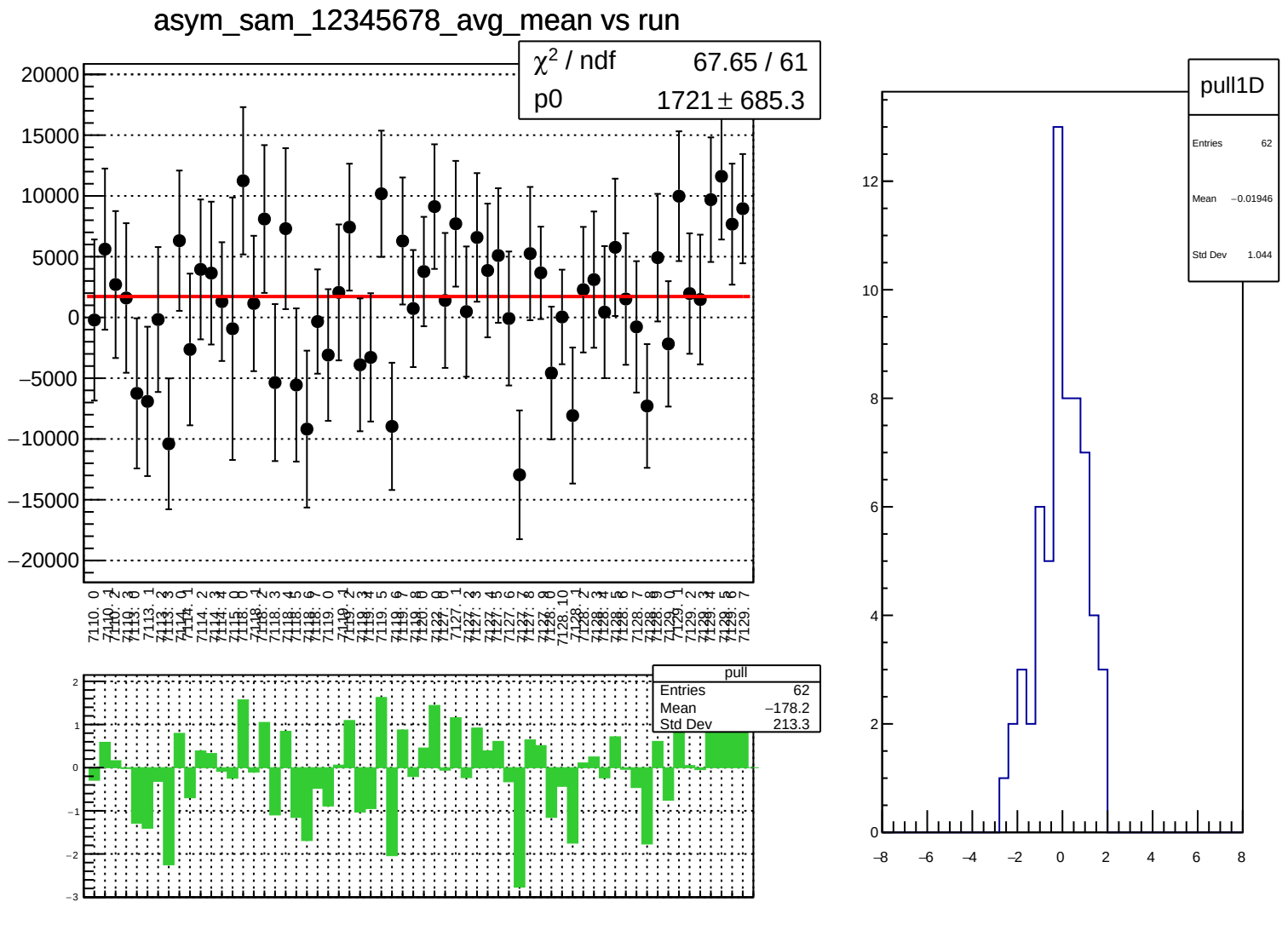

pull1D
Entries 62
Mean 0.01523
Std Dev 1.089

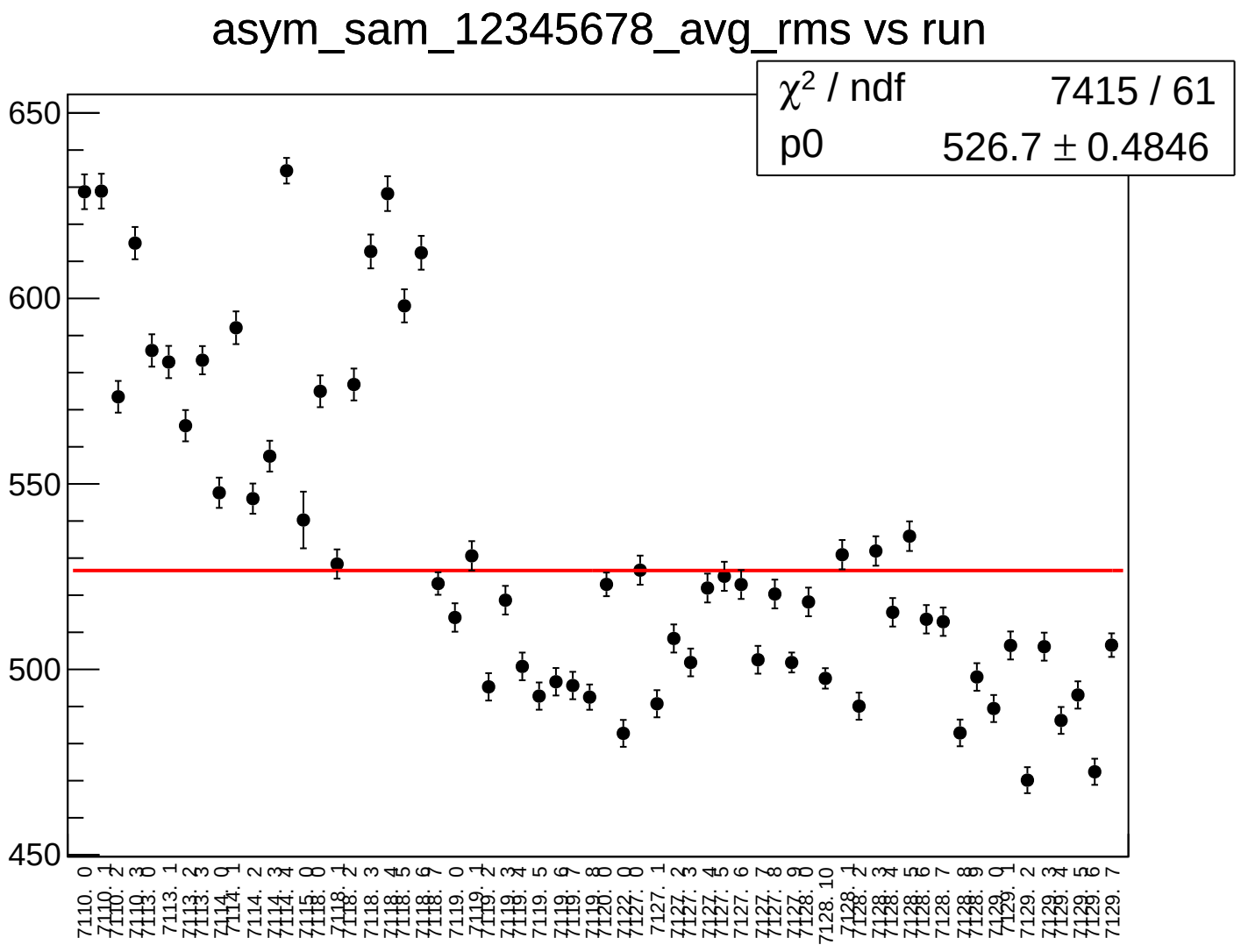

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.027e+05 / 61
p0 77.02 ± 0.07391
200
180
160
140
120
100
80
60

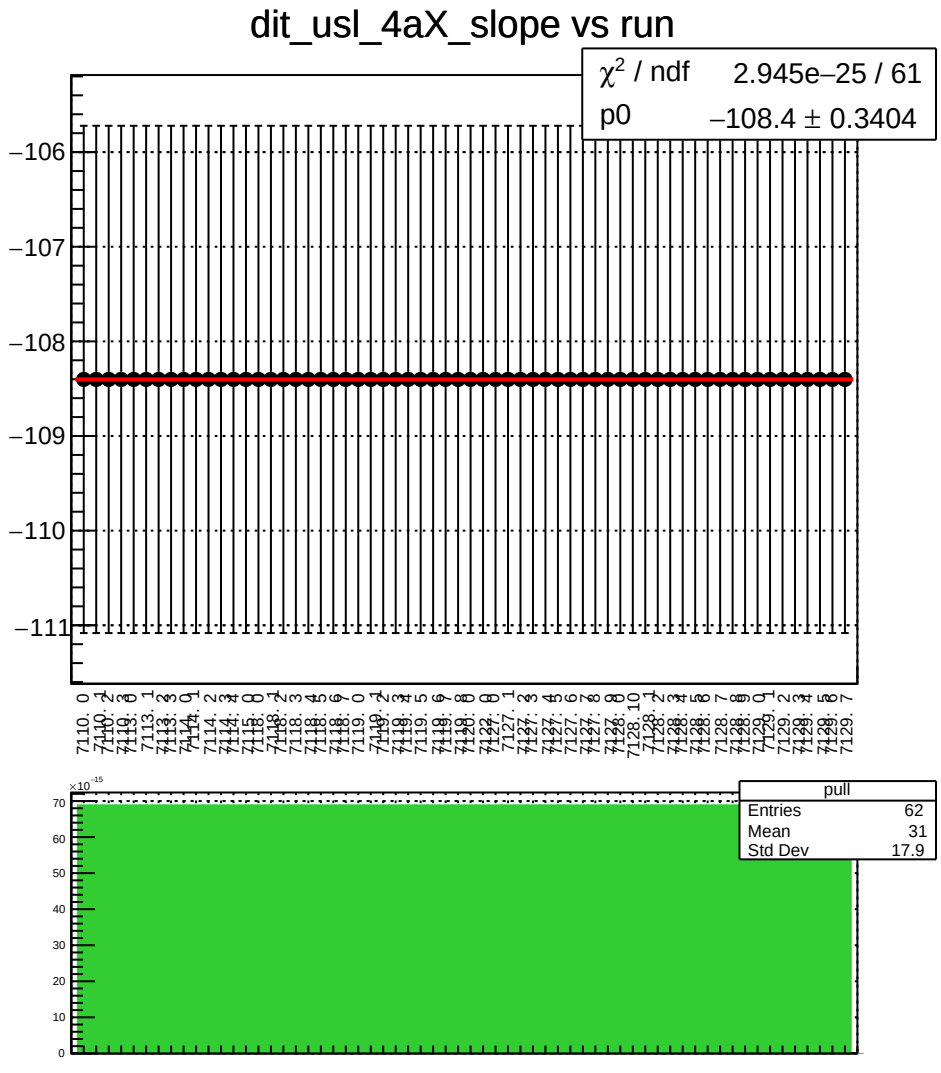

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 68.49 / 61
p0 −1521 ± 683.2
pull
Entries 62
Mean −487.5
Std Dev 521.5

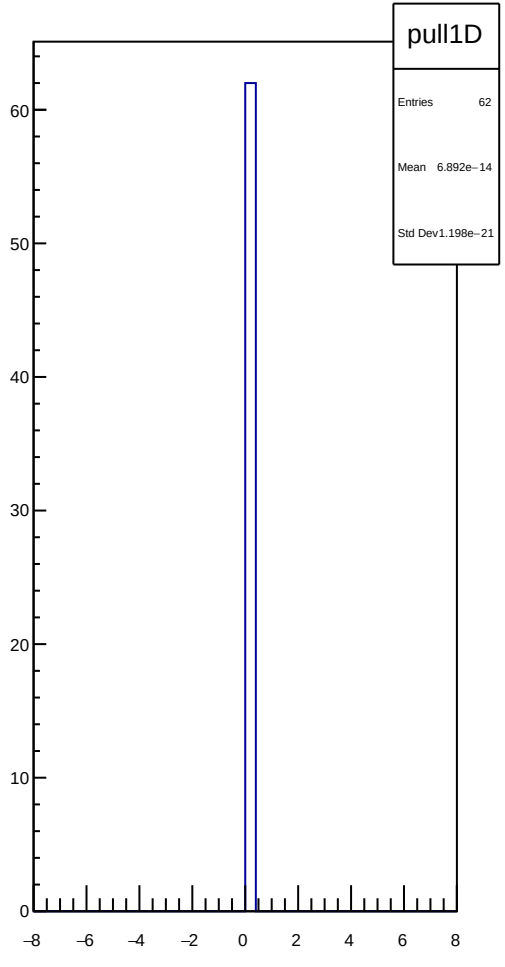

pull1D
Entries 62
Mean 0.009184
Std Dev 1.051

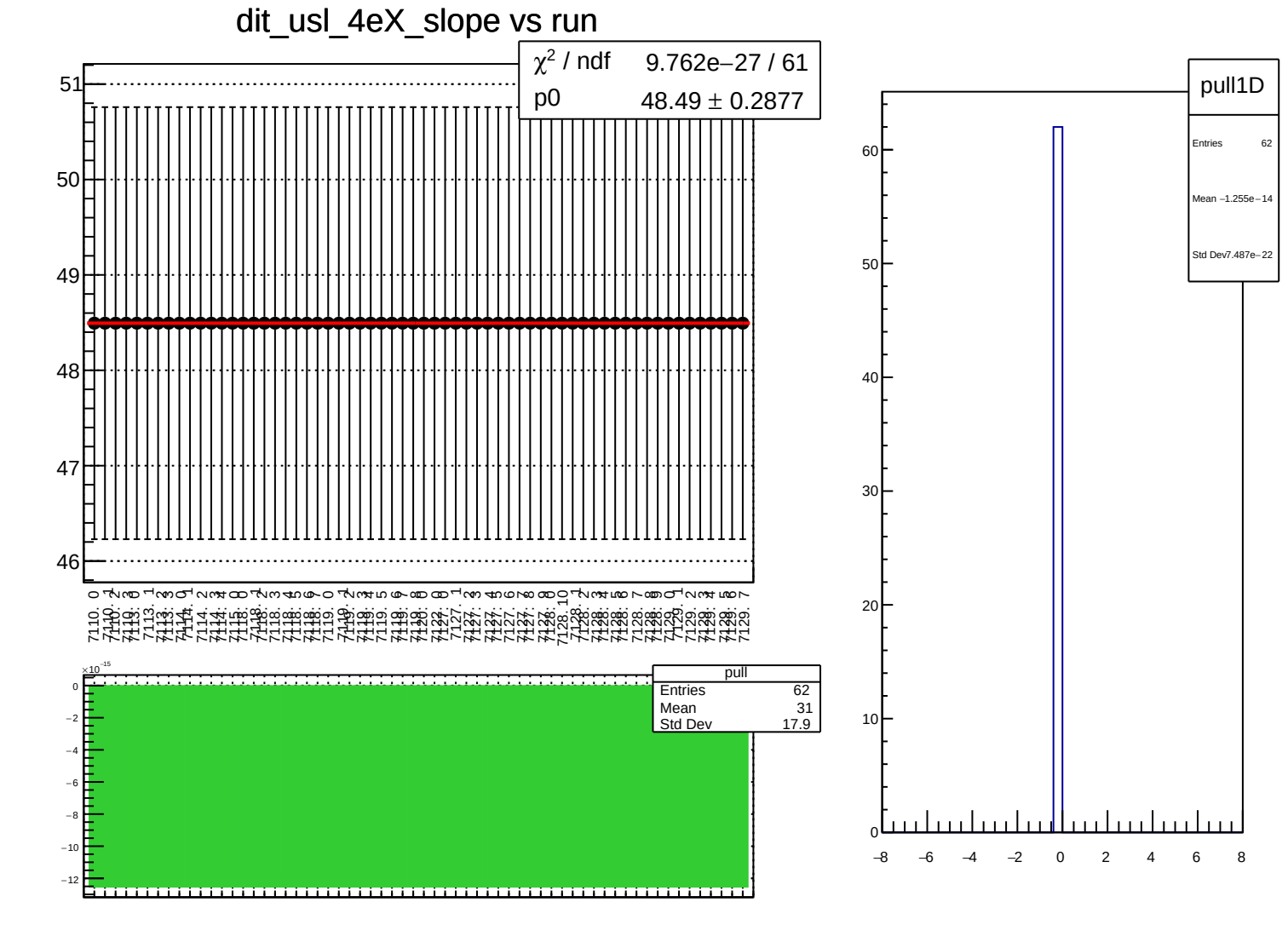

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 4778 / 61
p0 525.6 ± 0.4831
600
580
560
540
520
500
480
460
7110. 0
7110. 1
7110. 2
7113. 0
7113. 1
7113. 2
7113. 3
7114. 0
7114. 1
7114. 2
7114. 3
7114. 4
7115. 0
7118. 1
7118. 2
7118. 3
7118. 4
7118. 5
7118. 6
7118. 7
7119. 0
7119. 1
7119. 2
7119. 3
7119. 4
7119. 5
7119. 6
7119. 7
7120. 0
7122. 0
7127. 0
7127. 1
7127. 2
7127. 3
7127. 4
7127. 5
7127. 6
7127. 7
7127. 8
7128. 0
7128. 10
7128. 1
7128. 2
7128. 3
7128. 4
7128. 5
7128. 6
7128. 7
7128. 8
7128. 9
7129. 0
7129. 1
7129. 2
7129. 3
7129. 4
7129. 5
7129. 6
7129. 7

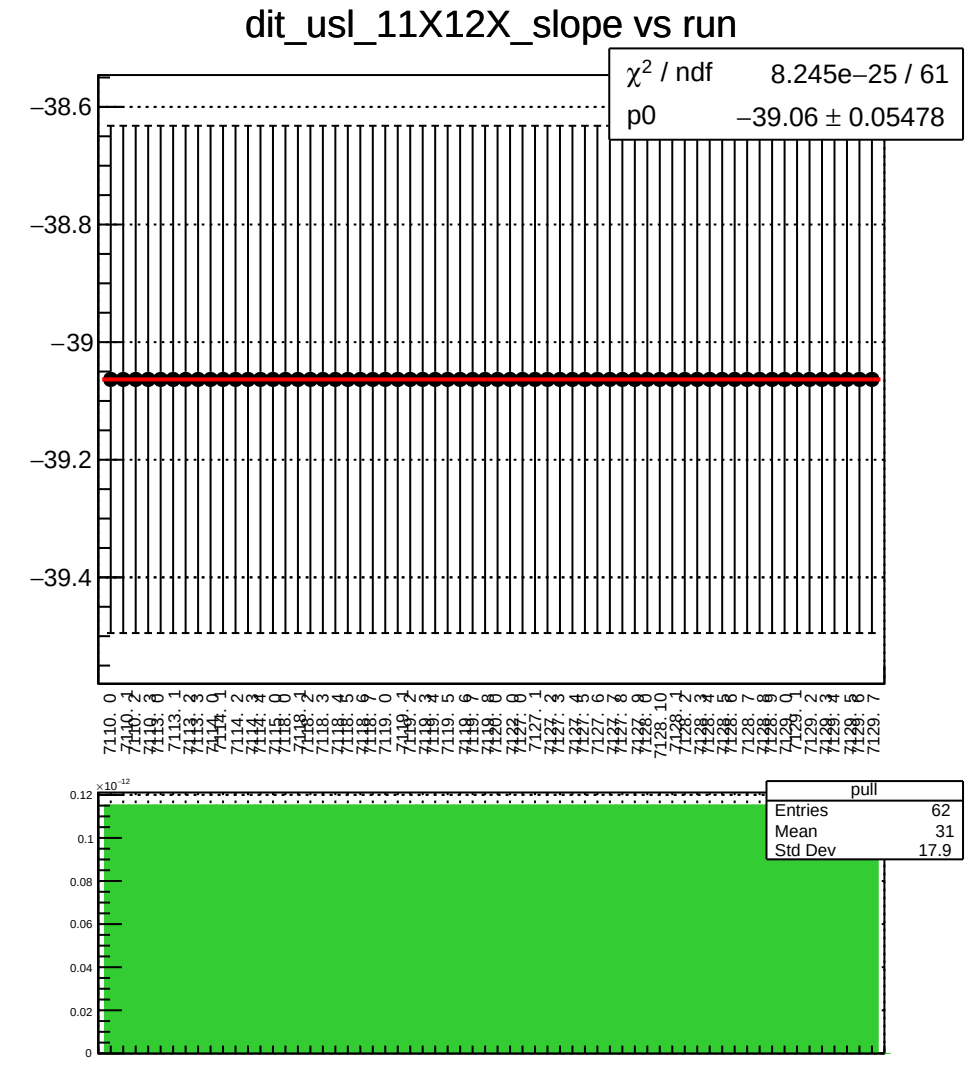

asym_sam_12345678_avg_mean vs run
χ² / ndf 67.65 / 61
p0 1721 ± 685.3
pull
Entries 62
Mean −178.2
Std Dev 213.3
pull1D
Entries 62
Mean −0.01946
Std Dev 1.044

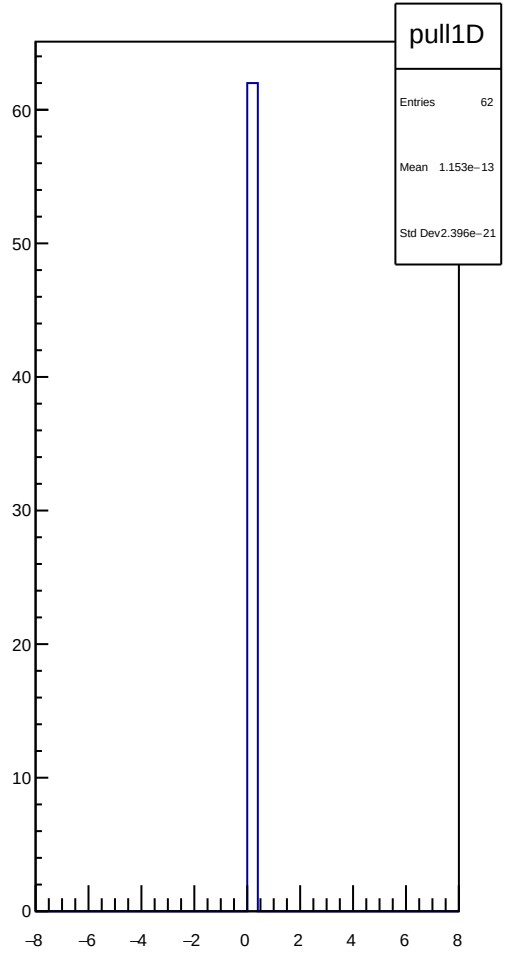

asym_sam_12345678_avg_rms vs run
χ² / ndf 7415 / 61
p0 526.7 ± 0.4846
650
600
550
500
450

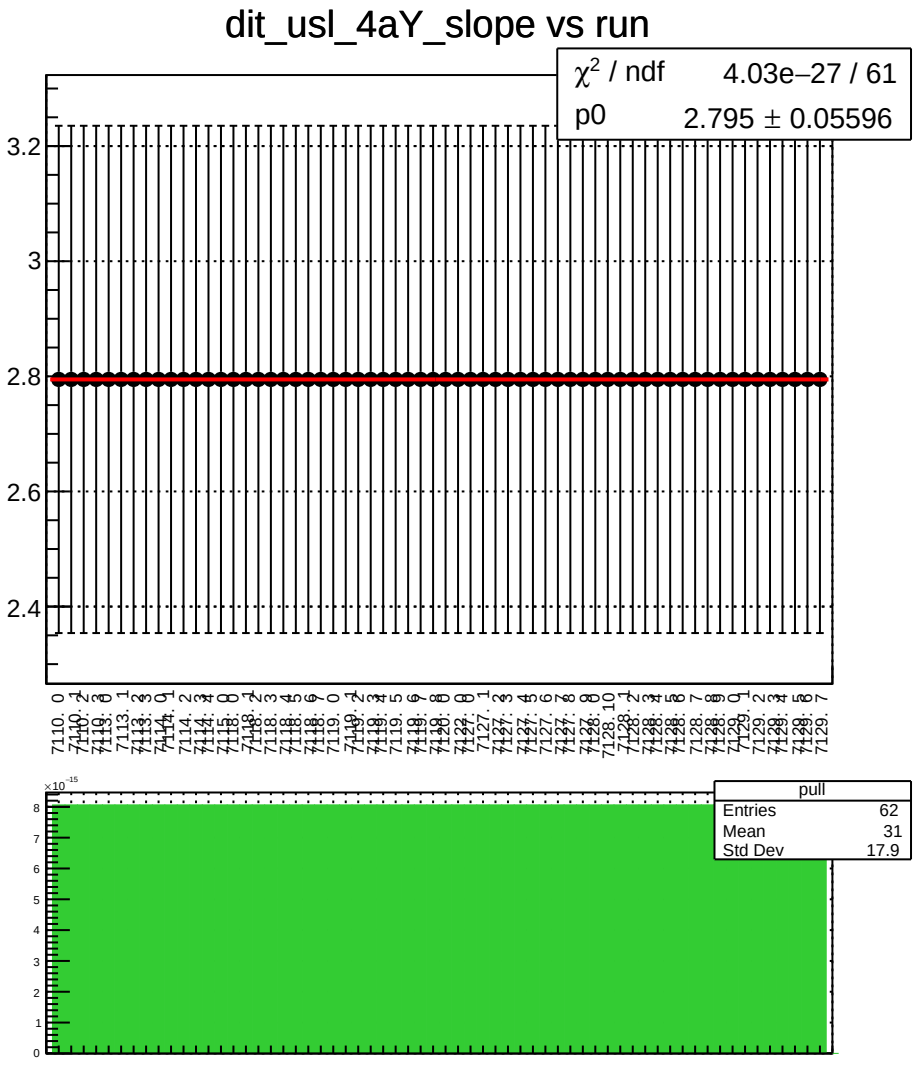

dit_usl_4aX_slope vs run
χ² / ndf 2.945e−25 / 61
p0 −108.4 ± 0.3404
−106
−107
−108
−109
−110
−111
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
70
60
50
40
30
20
10
0

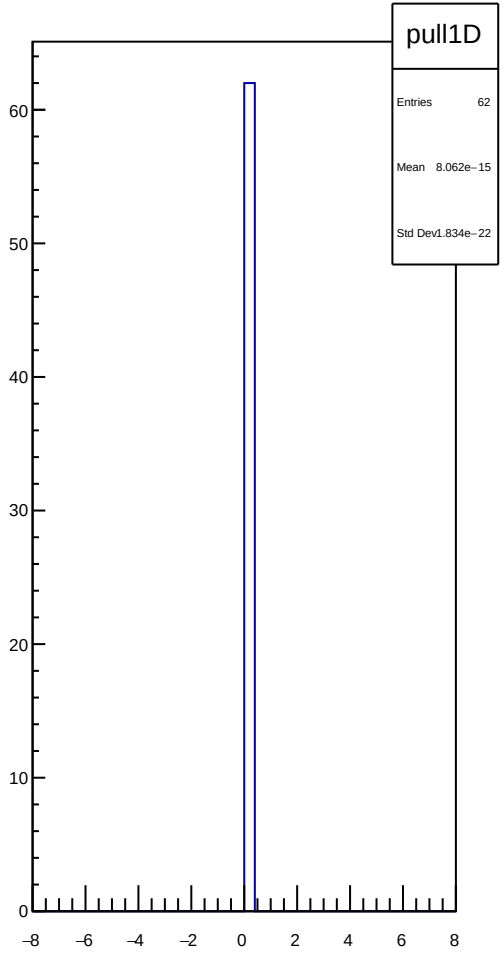

pull1D
Entries 62
Mean 6.892e−14
Std Dev1.198e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

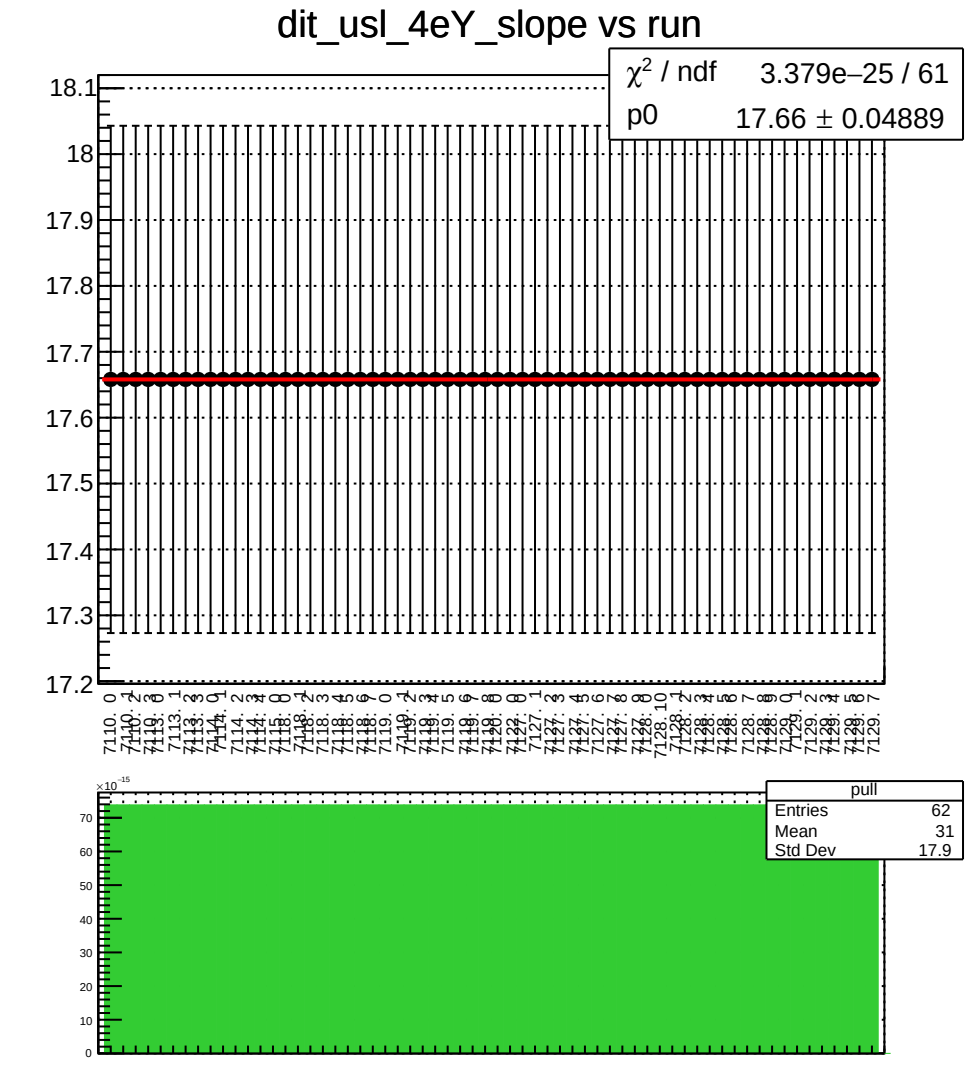

dit_usl_4eX_slope vs run
χ² / ndf 9.762e−27 / 61
p0 48.49 ± 0.2877
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean −1.255e−14
Std Dev7.487e−22

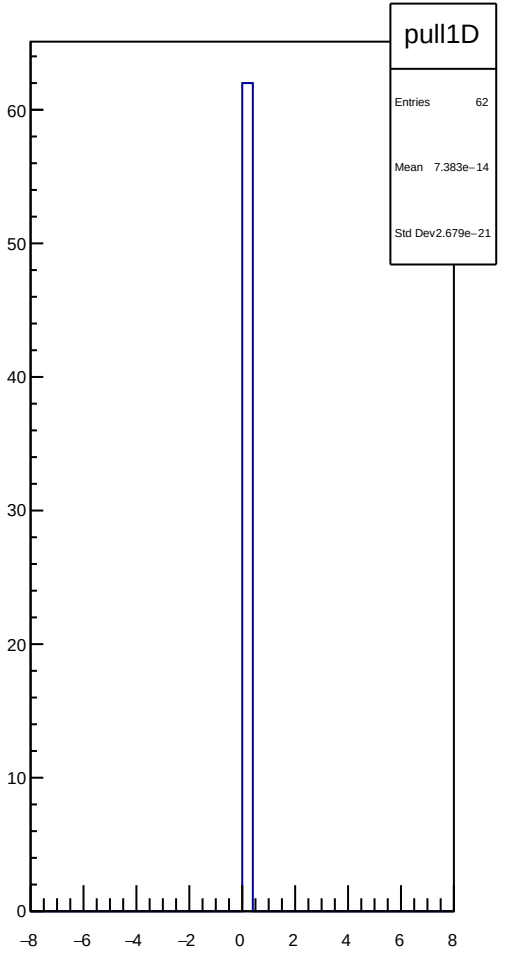

dit_usl_11X12X_slope vs run
χ² / ndf 8.245e−25 / 61
p0 −39.06 ± 0.05478
−38.6
−38.8
−39
−39.2
−39.4
pull
Entries 62
Mean 31
Std Dev 17.9
0.12
0.1
0.08
0.06
0.04
0.02
0

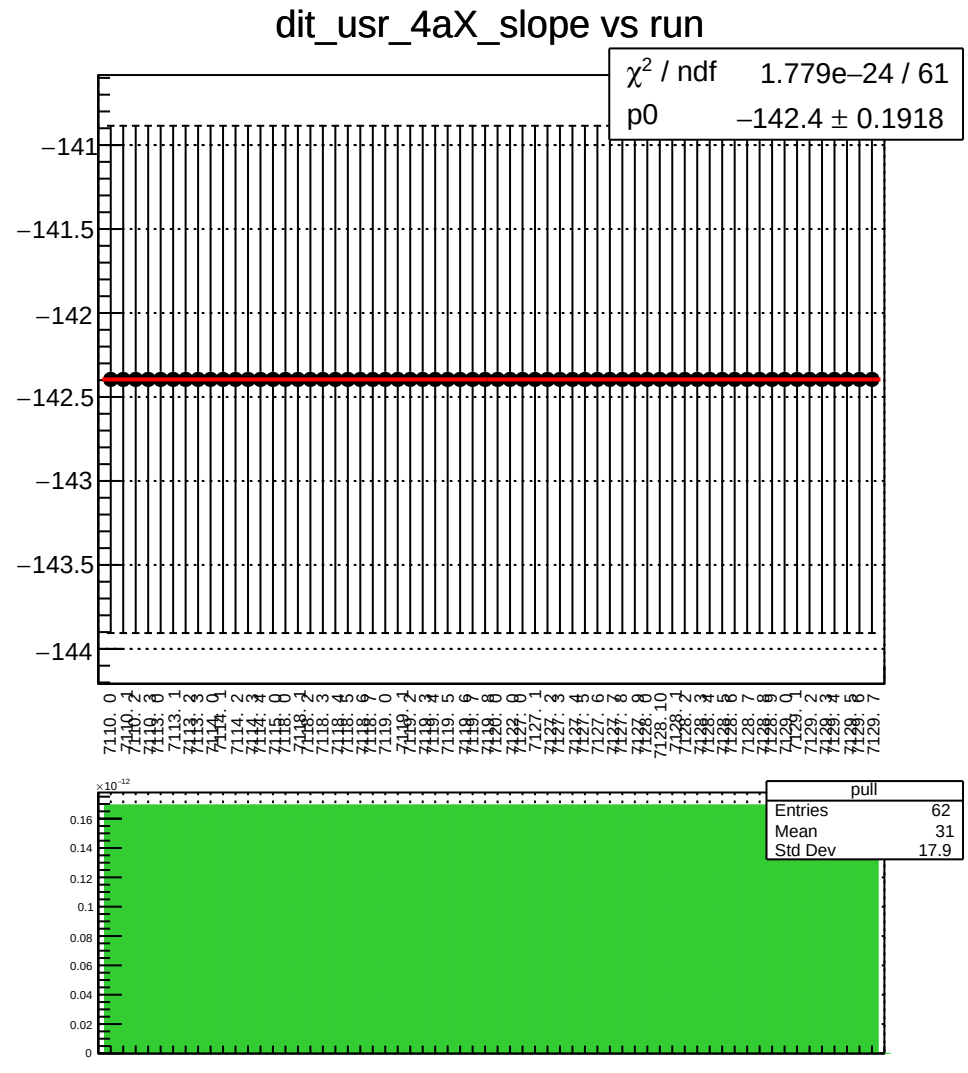

pull1D
Entries 62
Mean 1.153e−13
Std Dev2.396e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

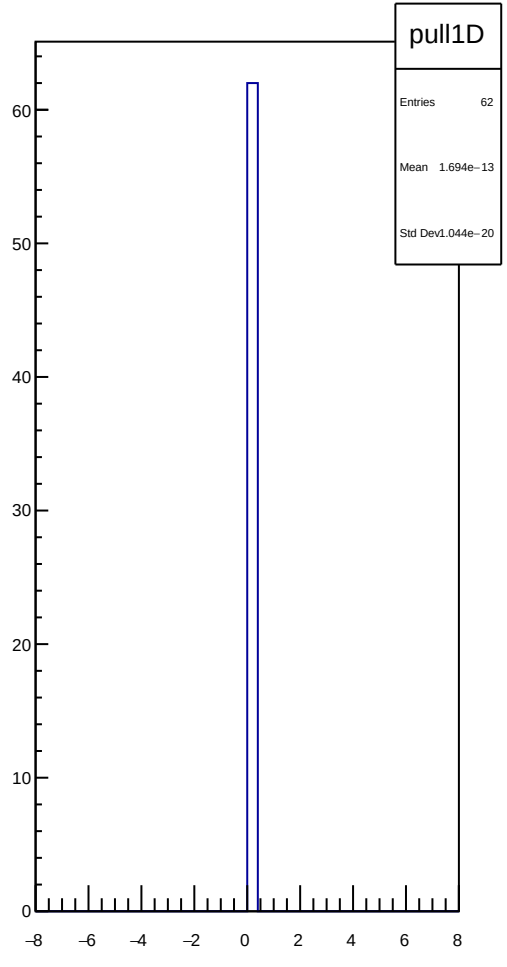

dit_usl_4aY_slope vs run
χ² / ndf 4.03e−27 / 61
p0 2.795 ± 0.05596
3.2
3
2.8
2.6
2.4
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵

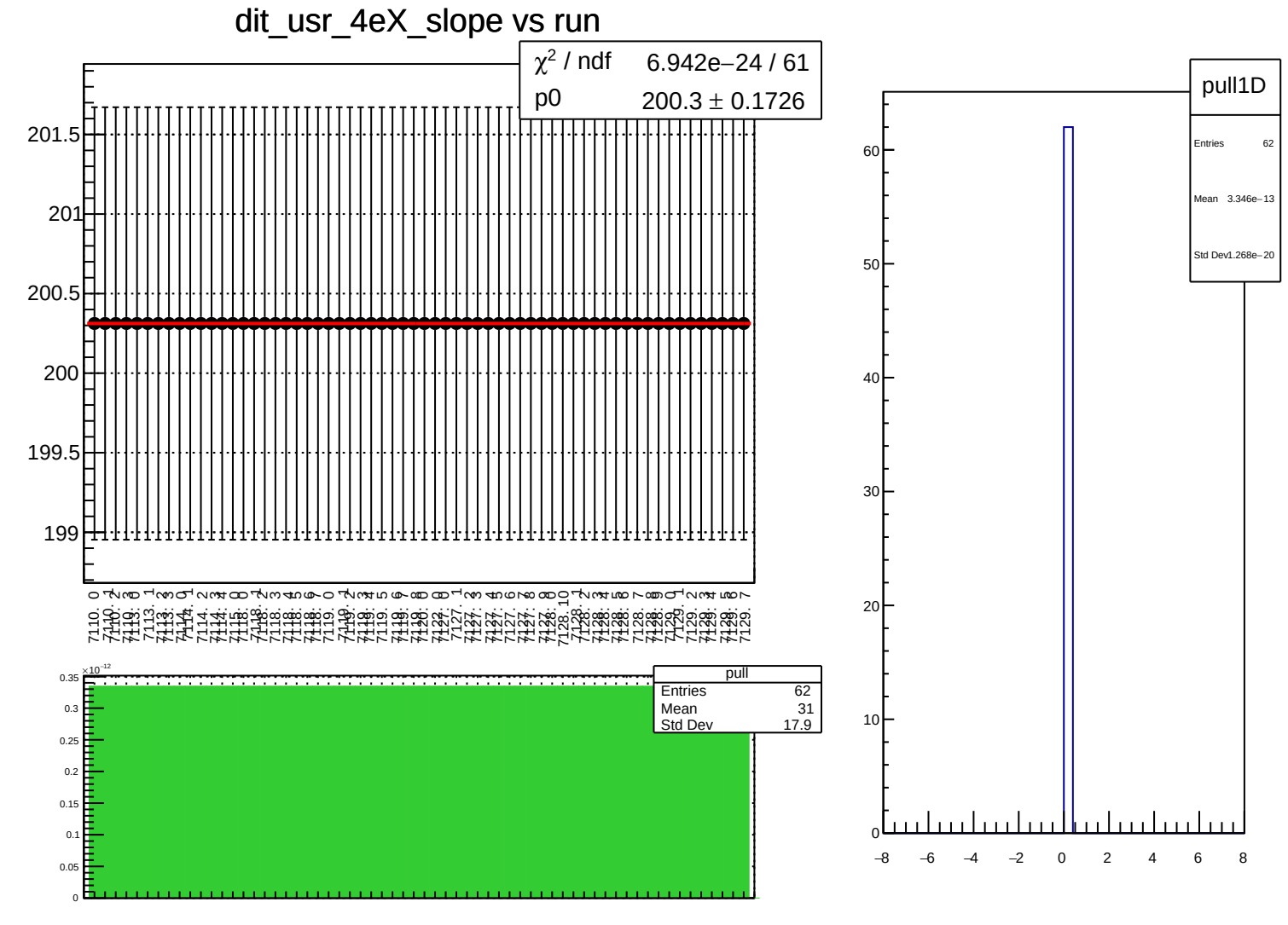

pull1D
Entries 62
Mean 8.062e−15
Std Dev1.834e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

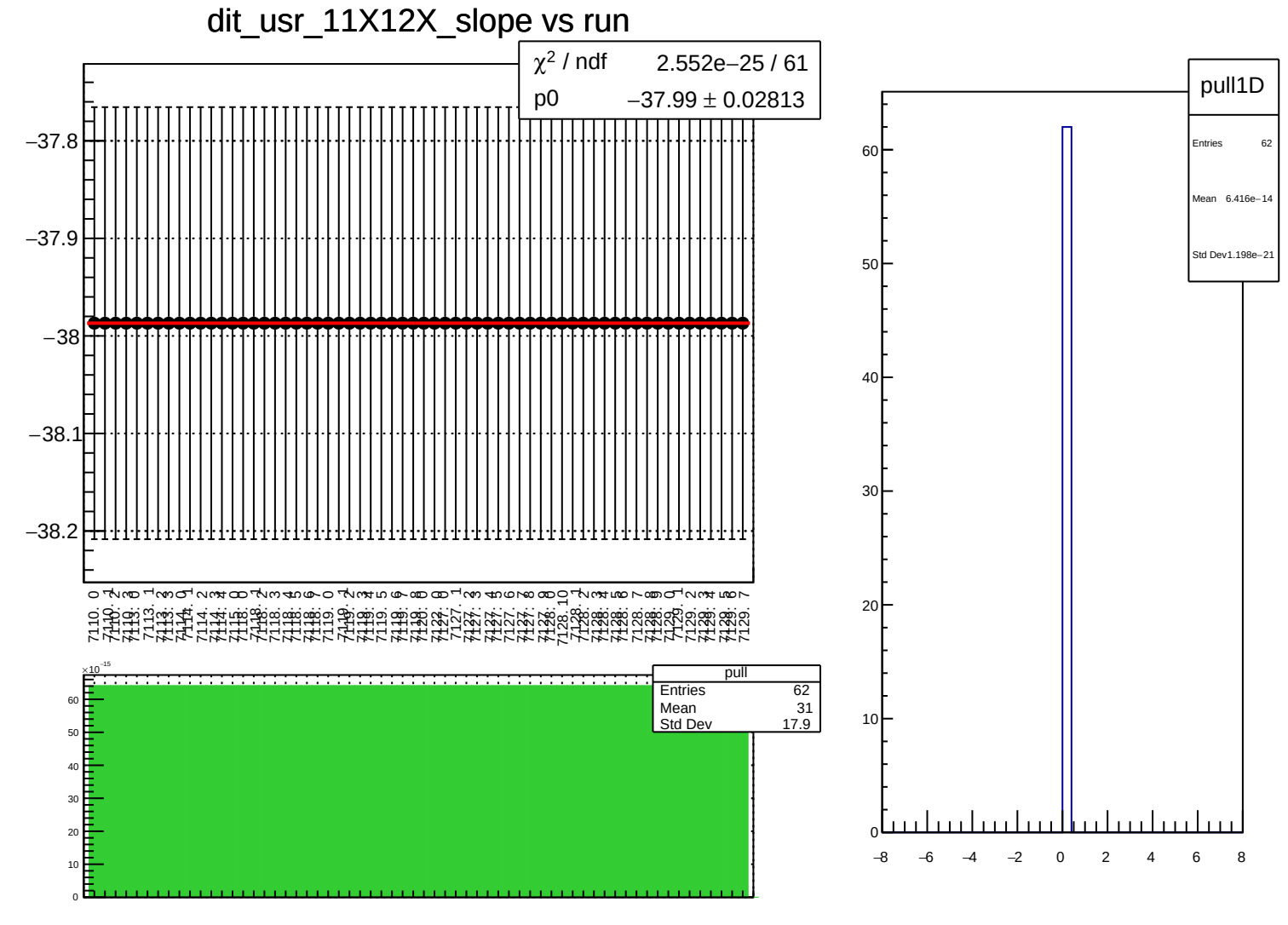

dit_usl_4eY_slope vs run
χ² / ndf 3.379e−25 / 61
p0 17.66 ± 0.04889
pull
Entries 62
Mean 31
Std Dev 17.9

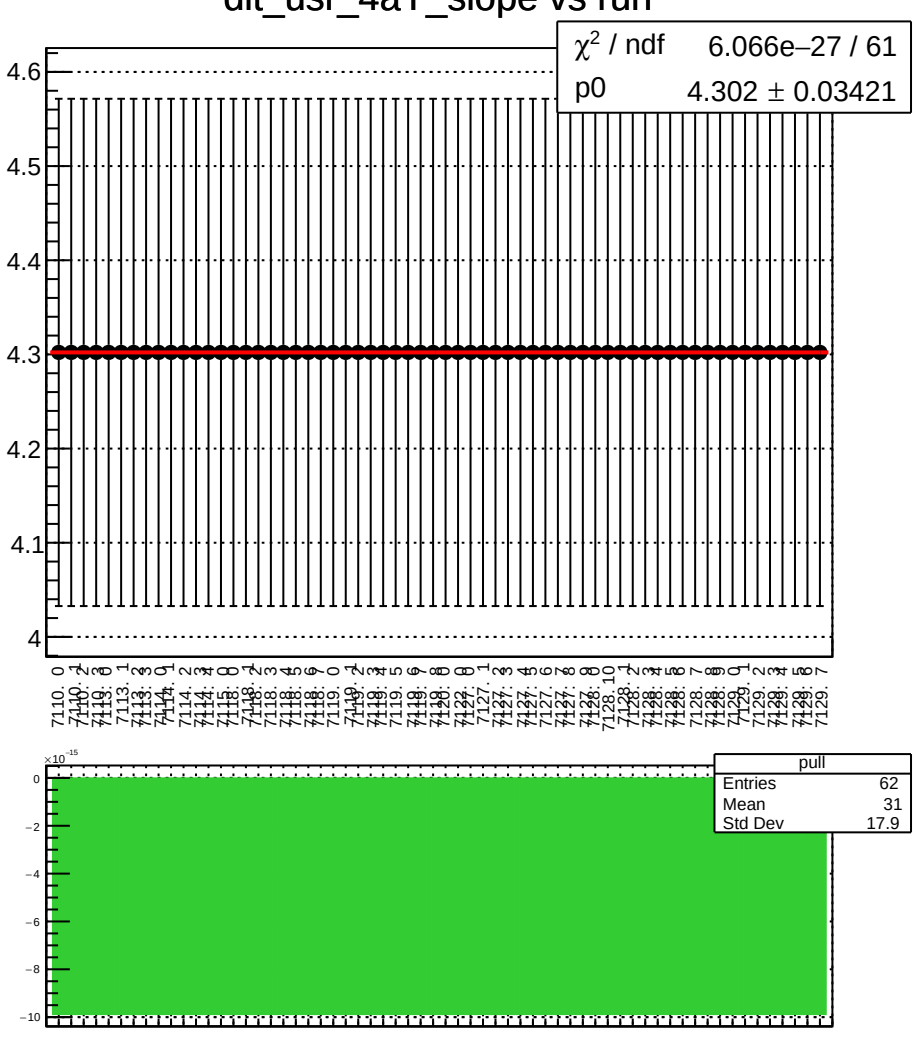

pull1D
Entries 62
Mean 7.383e−14
Std Dev2.679e−21

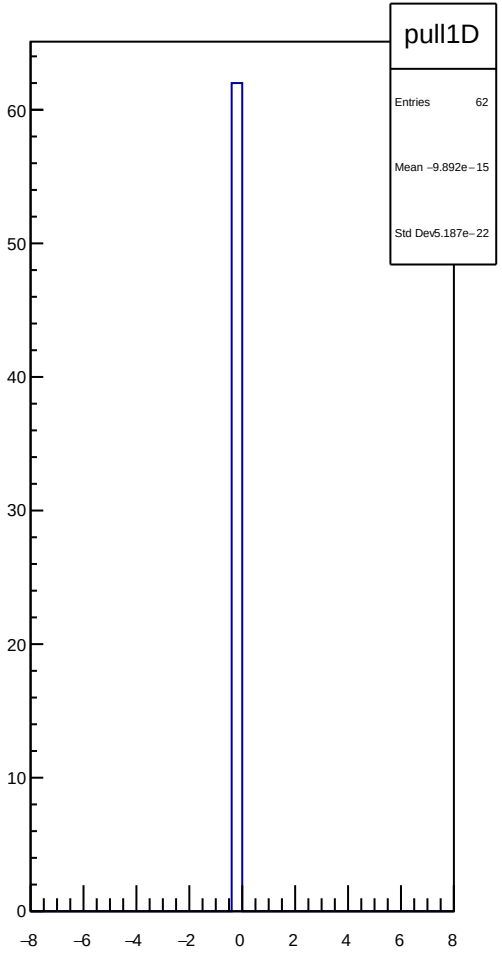

dit_usr_4aX_slope vs run
χ² / ndf 1.779e−24 / 61
p0 −142.4 ± 0.1918
−141
−141.5
−142
−142.5
−143
−143.5
−144
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

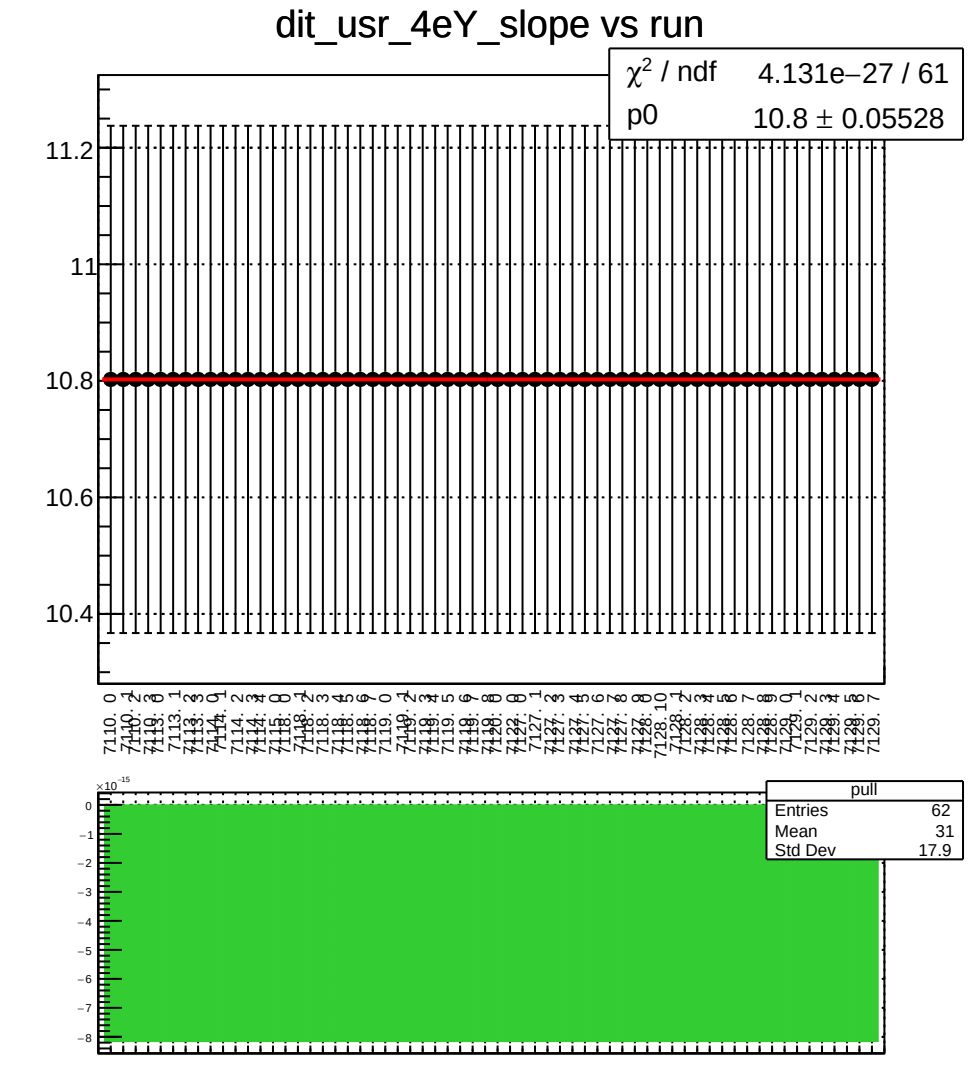

pull1D
Entries 62
Mean 1.694e−13
Std Dev1.044e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

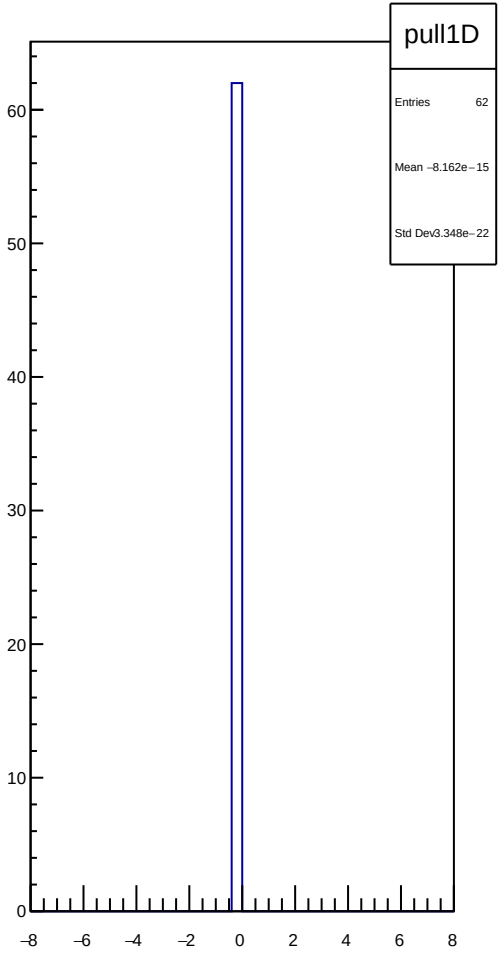

dit_usr_4eX_slope vs run
χ² / ndf 6.942e−24 / 61
p0 200.3 ± 0.1726
201.5
201
200.5
200
199.5
199
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 62
Mean 3.346e−13
Std Dev1.268e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

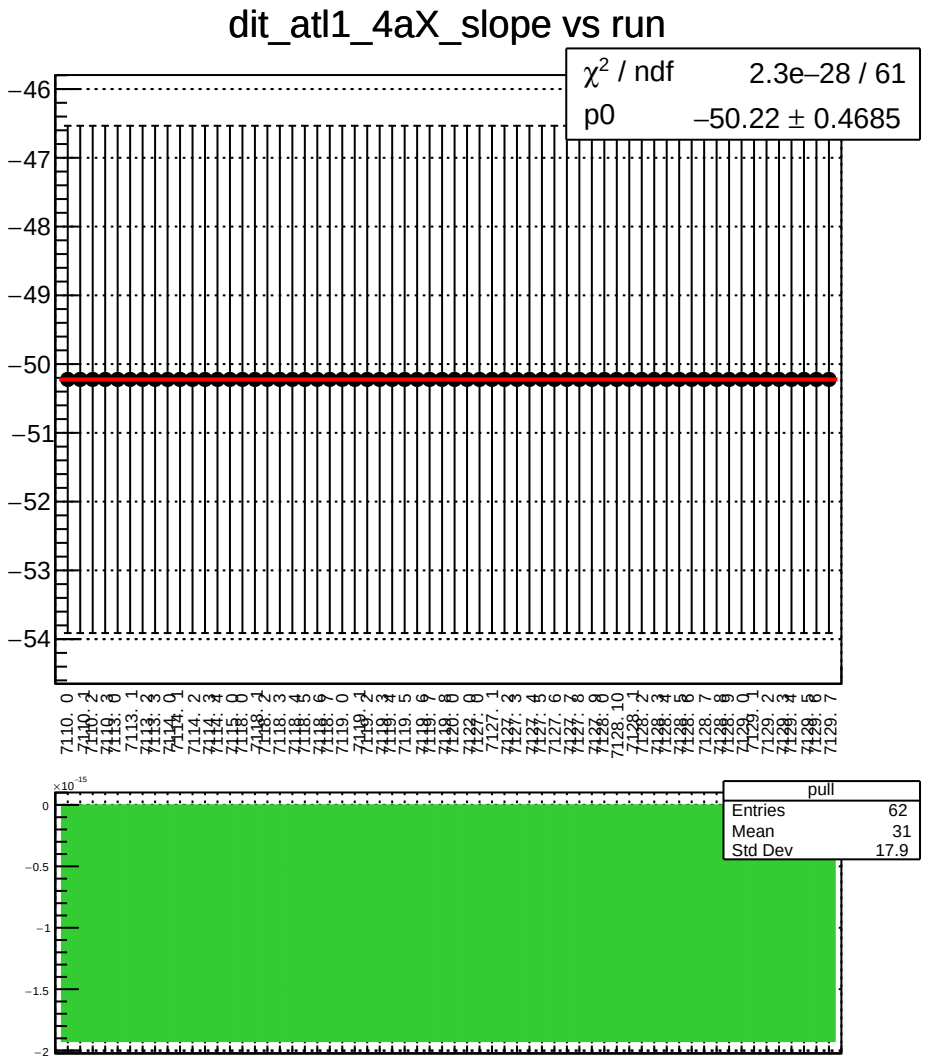

dit_usr_11X12X_slope vs run
χ² / ndf 2.552e−25 / 61
p0 −37.99 ± 0.02813
−37.8
−37.9
−38
−38.1
−38.2
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean 6.416e−14
Std Dev1.198e−21

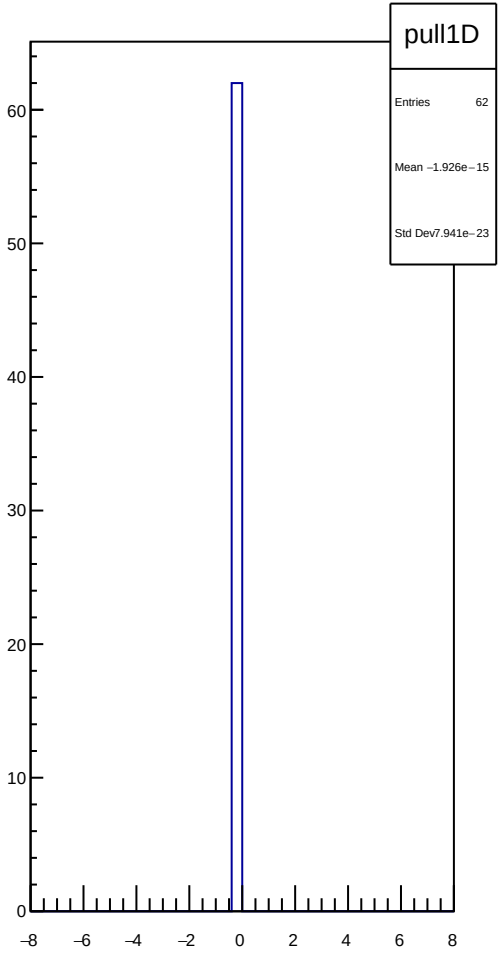

dit_usr_4aY_slope vs run
χ² / ndf 6.066e−27 / 61
p0 4.302 ± 0.03421
pull
Entries 62
Mean 31
Std Dev 17.9

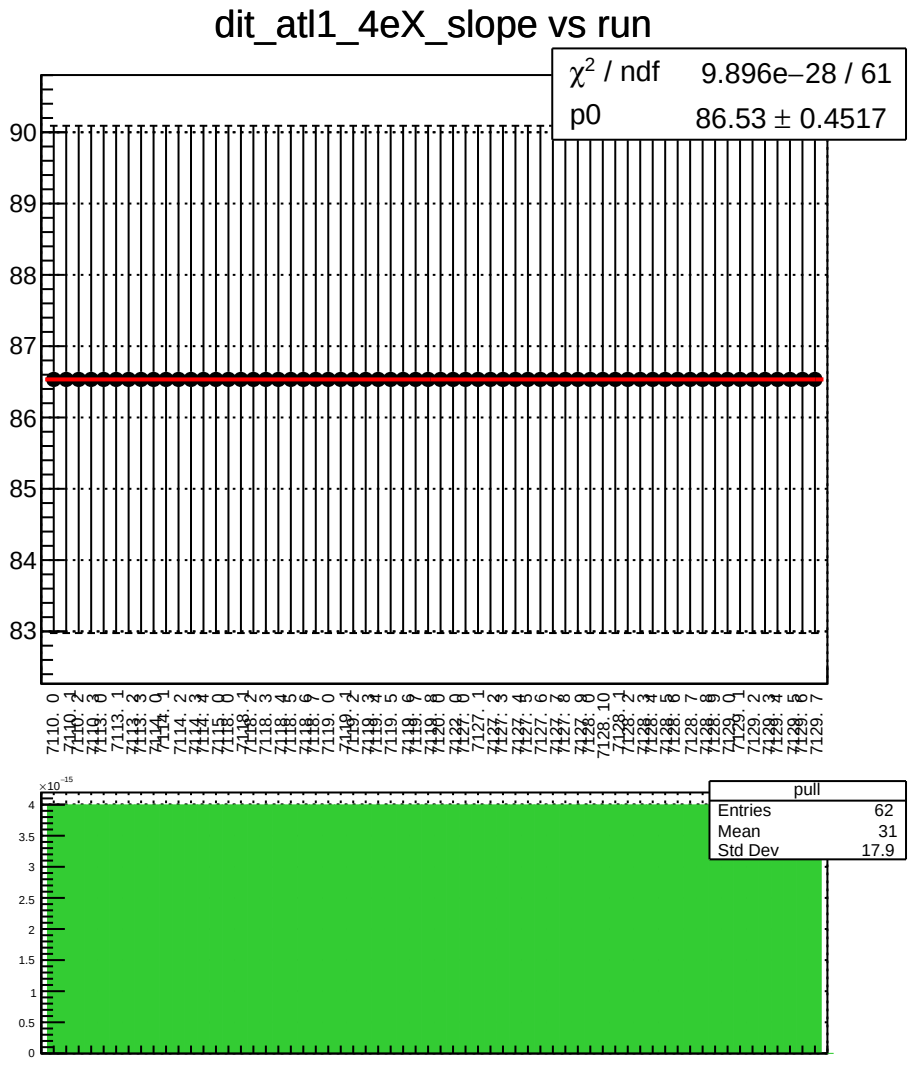

pull1D
Entries 62
Mean −9.892e−15
Std Dev 5.187e−22

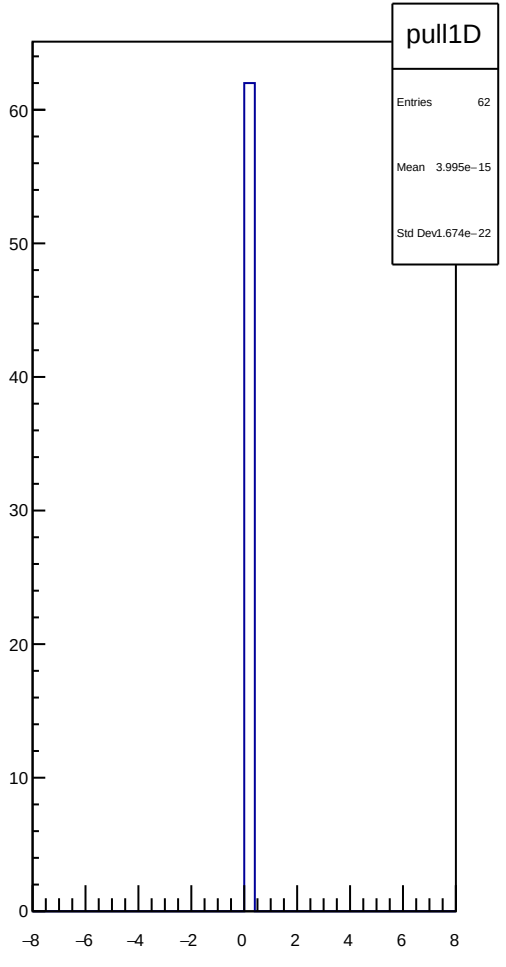

dit_usr_4eY_slope vs run
χ² / ndf 4.131e−27 / 61
p0 10.8 ± 0.05528
11.2
11
10.8
10.6
10.4
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵

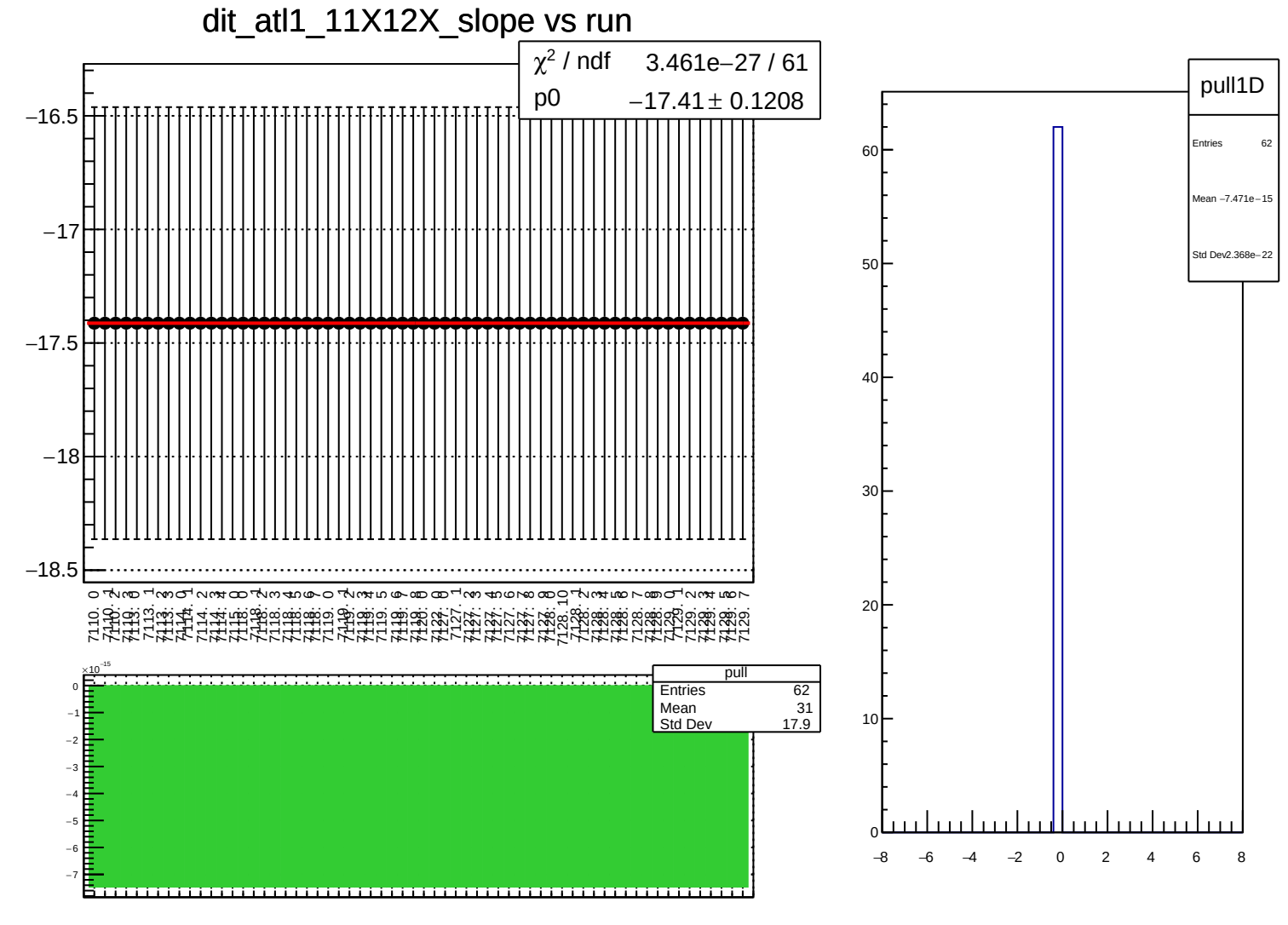

pull1D
Entries 62
Mean −8.162e−15
Std Dev3.348e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

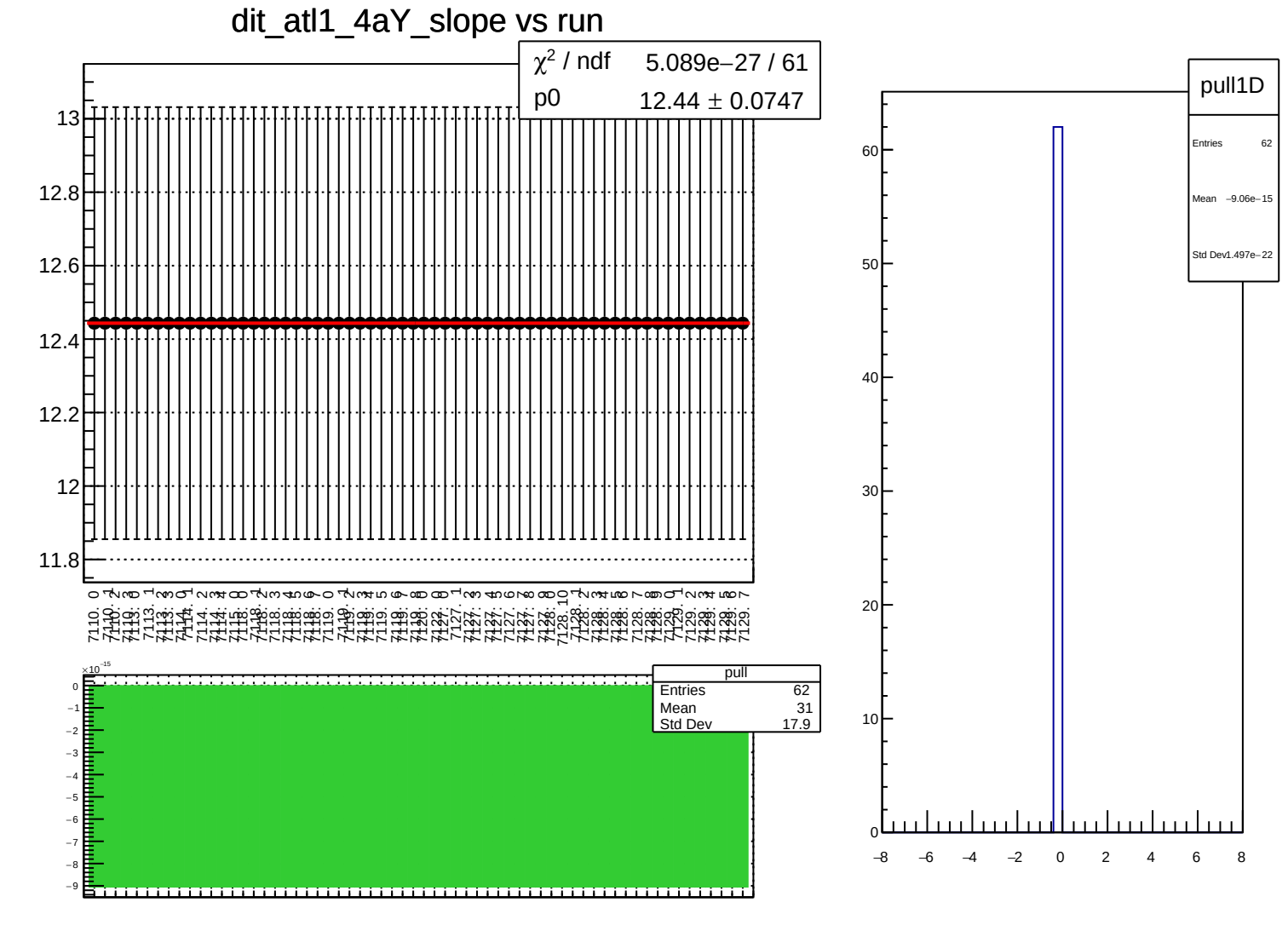

dit_atl1_4aX_slope vs run
χ² / ndf 2.3e−28 / 61
p0 −50.22 ± 0.4685
pull
Entries 62
Mean 31
Std Dev 17.9

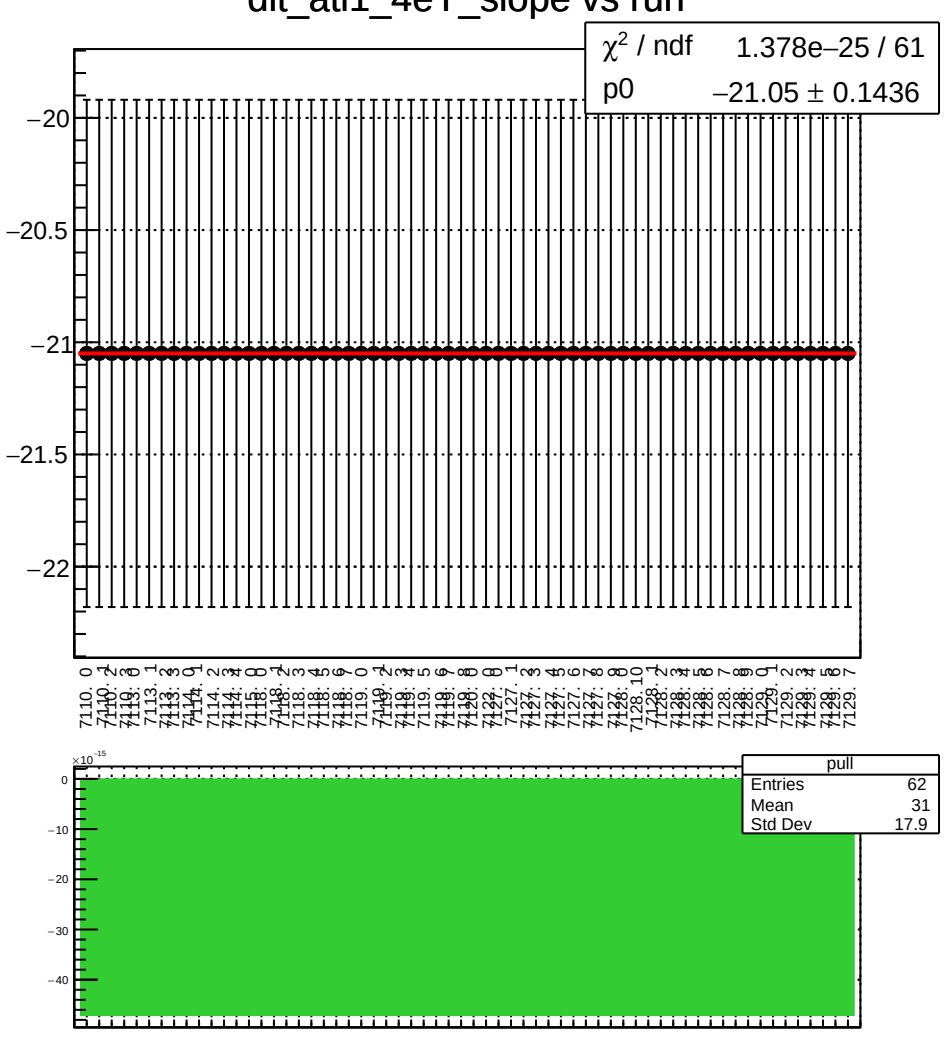

pull1D
Entries 62
Mean −1.926e−15
Std Dev7.941e−23

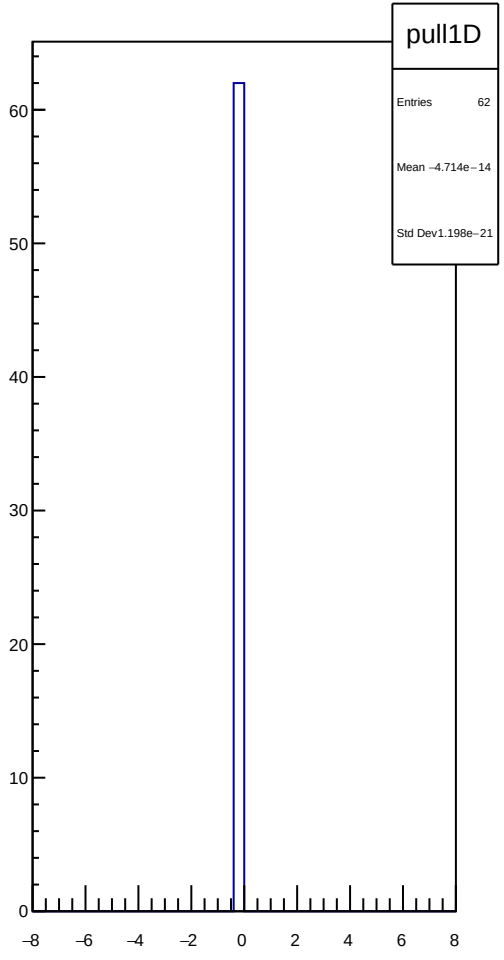

dit_atl1_4eX_slope vs run
χ² / ndf 9.896e−28 / 61
p0 86.53 ± 0.4517
pull
Entries 62
Mean 31
Std Dev 17.9

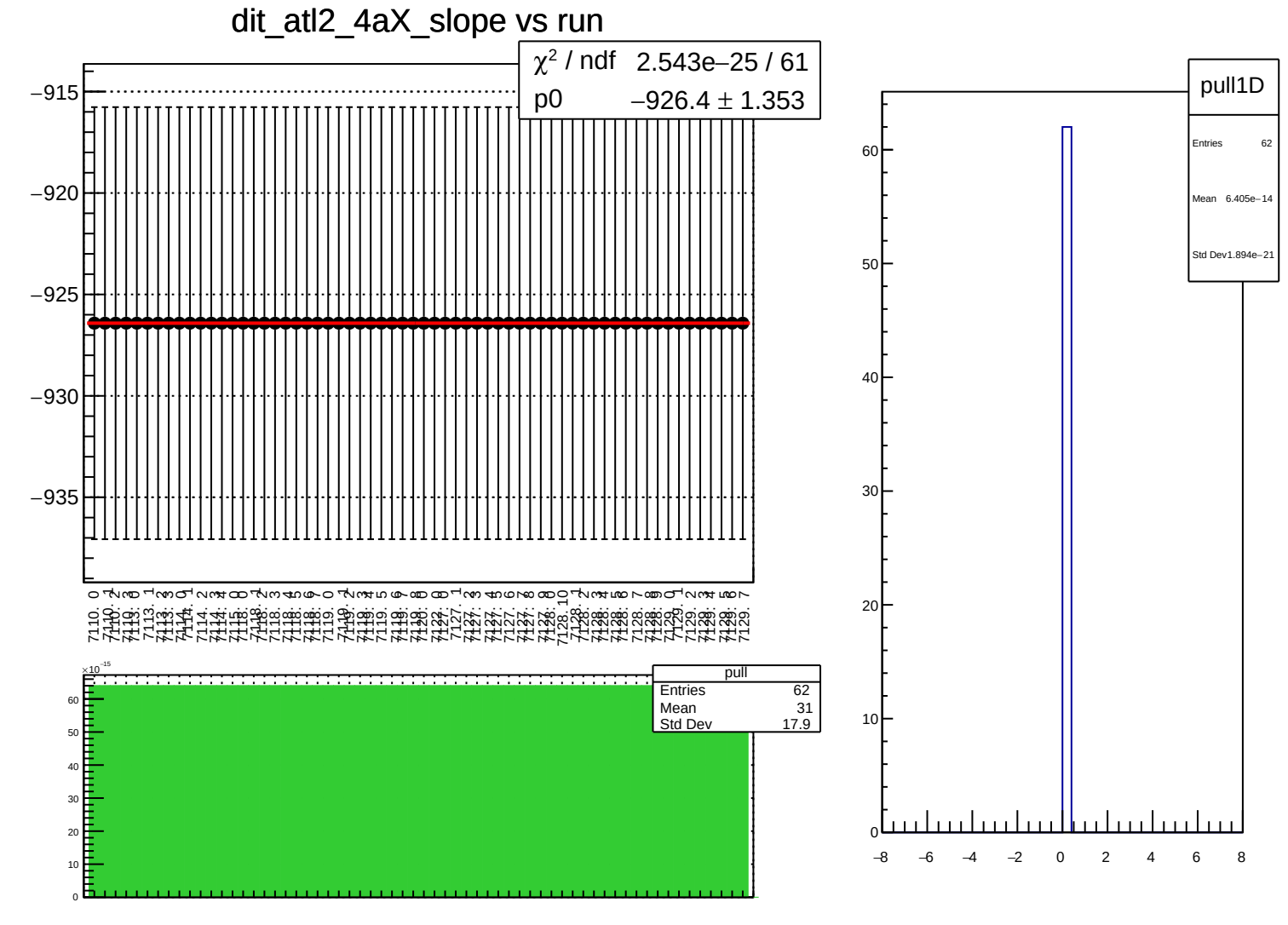

pull1D
Entries 62
Mean 3.995e−15
Std Dev1.674e−22

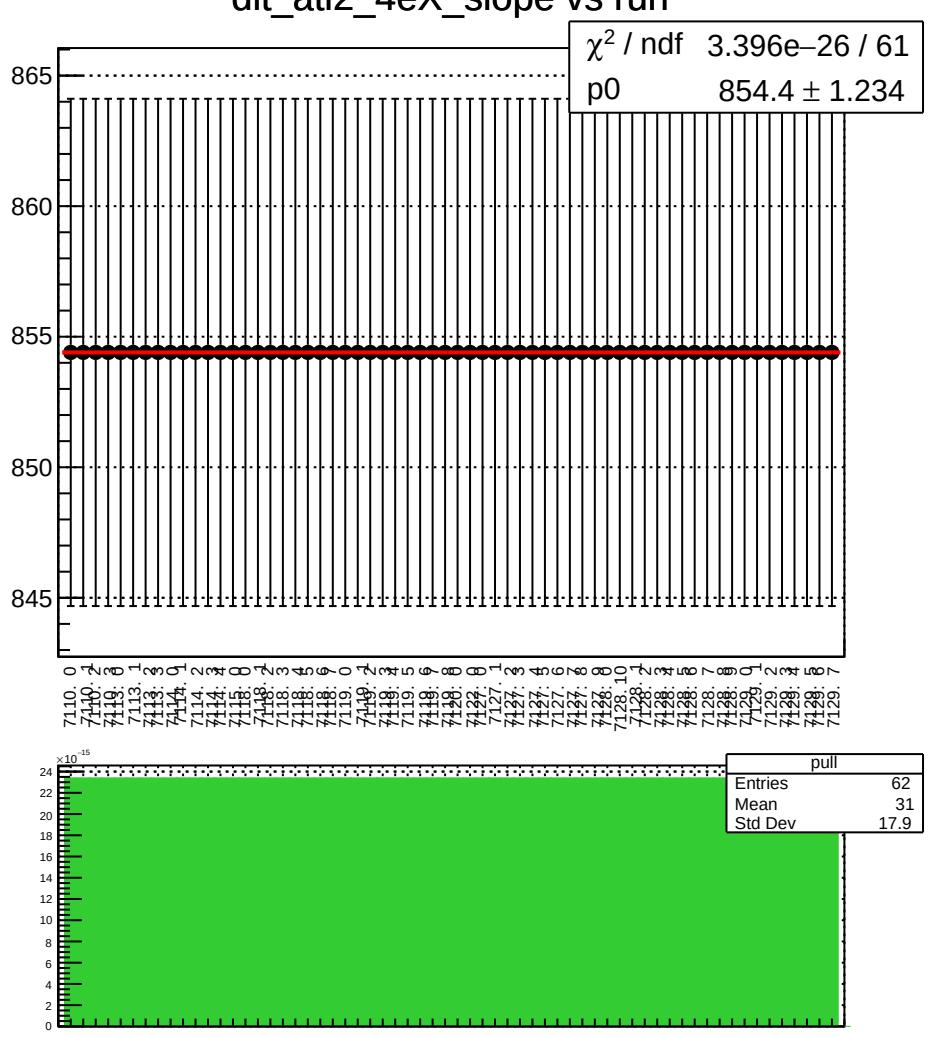

dit_atl1_11X12X_slope vs run
χ² / ndf 3.461e−27 / 61
p0 −17.41 ± 0.1208
−16.5
−17
−17.5
−18
−18.5
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
pull1D
Entries 62
Mean −7.471e−15
Std Dev 2.368e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

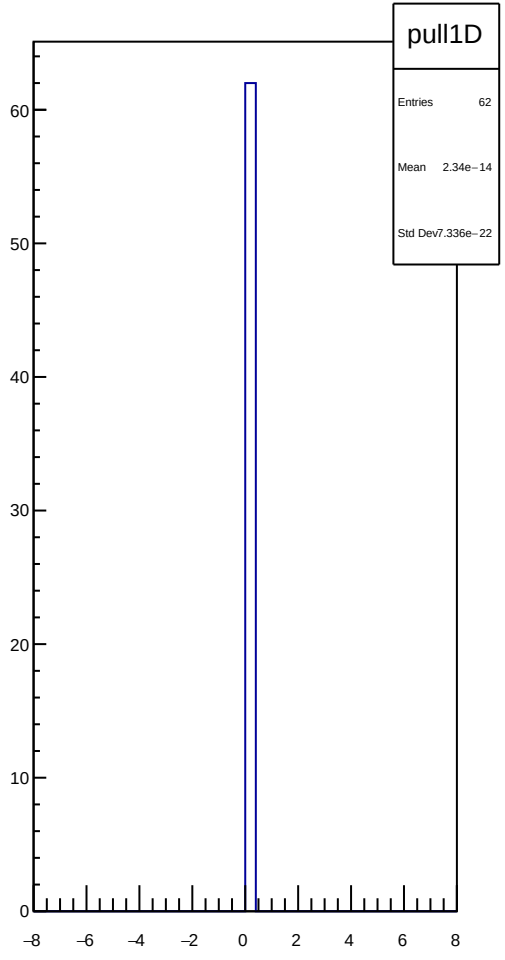

dit_atl1_4aY_slope vs run
χ² / ndf 5.089e−27 / 61
p0 12.44 ± 0.0747
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean −9.06e−15
Std Dev1.497e−22

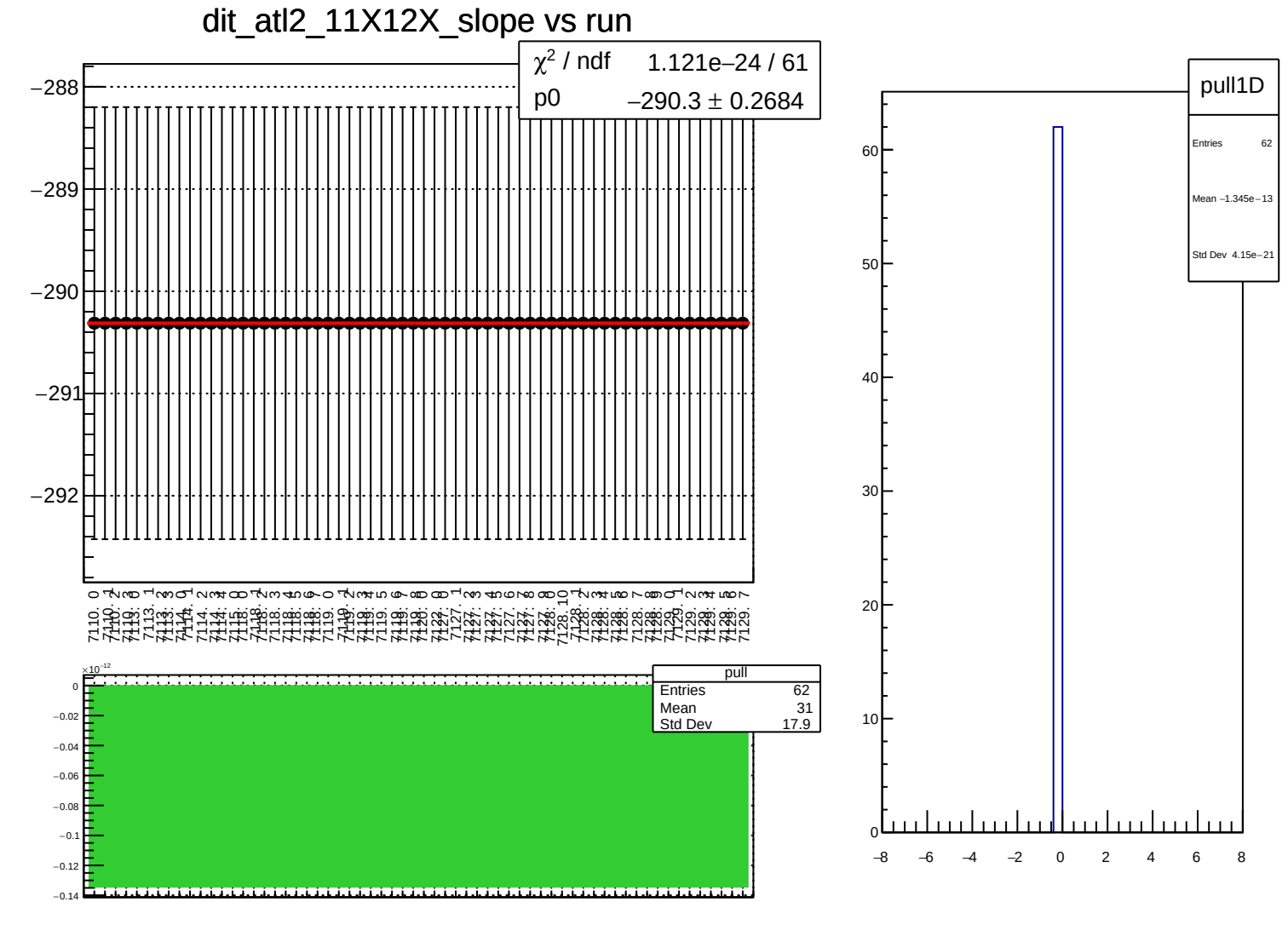

dit_atl1_4eY_slope vs run
χ² / ndf 1.378e−25 / 61
p0 −21.05 ± 0.1436
−20
−20.5
−21
−21.5
−22
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
−10
−20
−30
−40

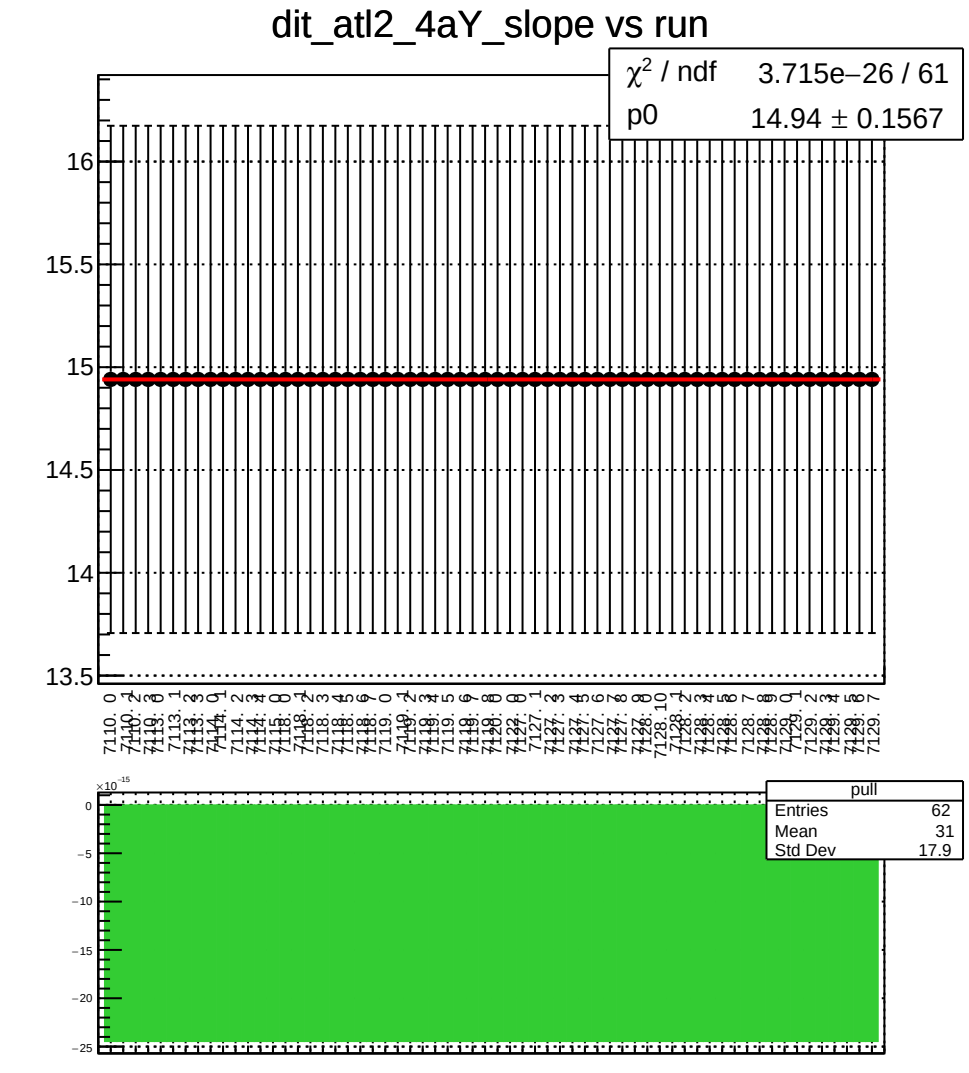

pull1D
Entries 62
Mean −4.714e−14
Std Dev 1.198e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

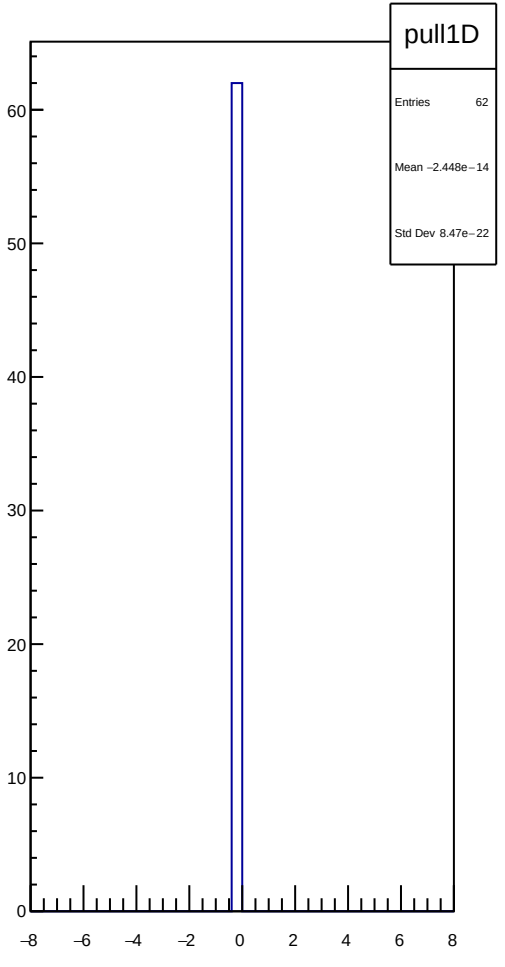

dit_atl2_4aX_slope vs run
χ² / ndf 2.543e−25 / 61
p0 −926.4 ± 1.353
−915
−920
−925
−930
−935
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean 6.405e−14
Std Dev1.894e−21

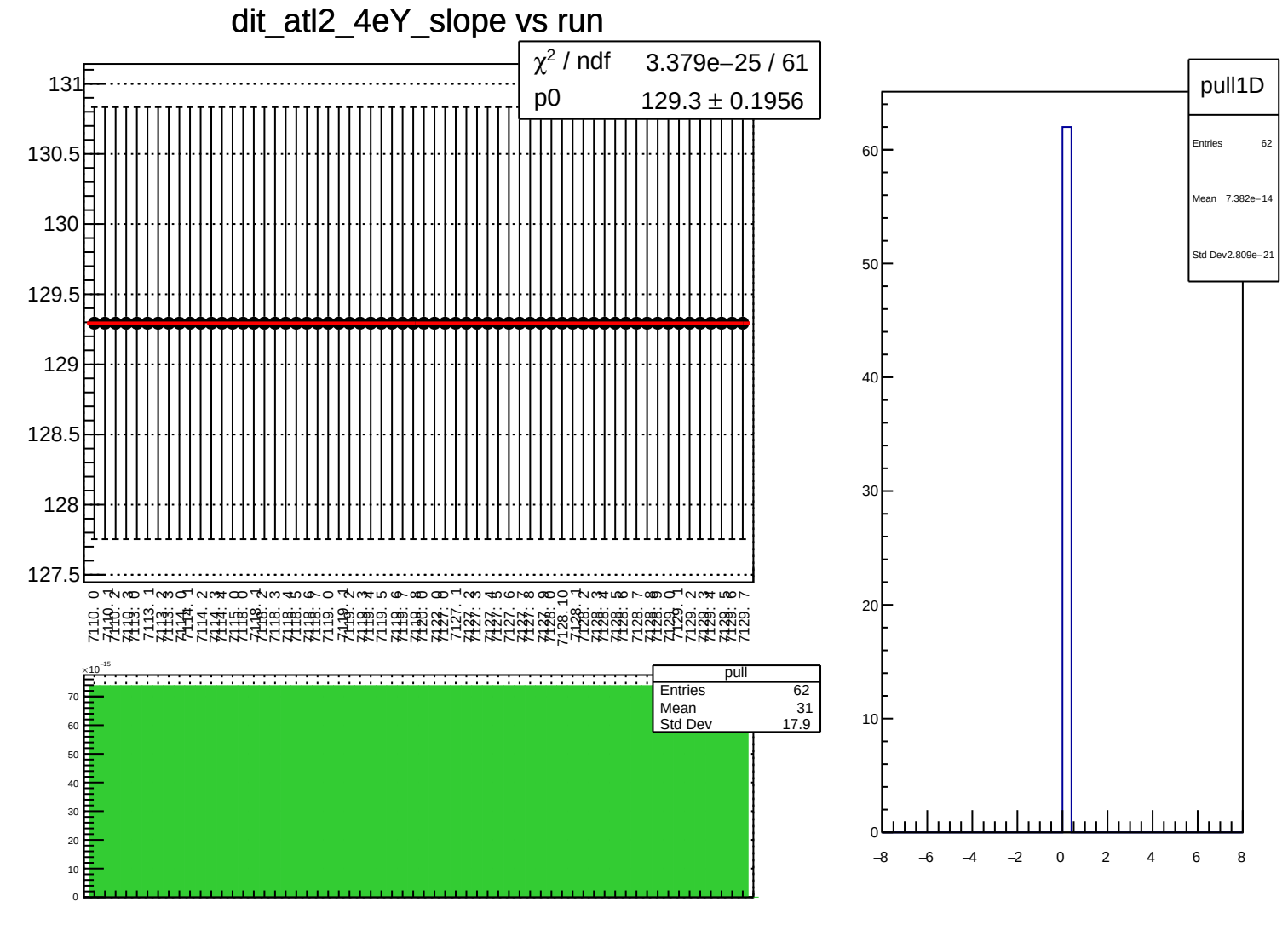

dit_atl2_4eX_slope vs run
χ^2 / ndf 3.396e−26 / 61
p0 854.4 ± 1.234
865
860
855
850
845
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0

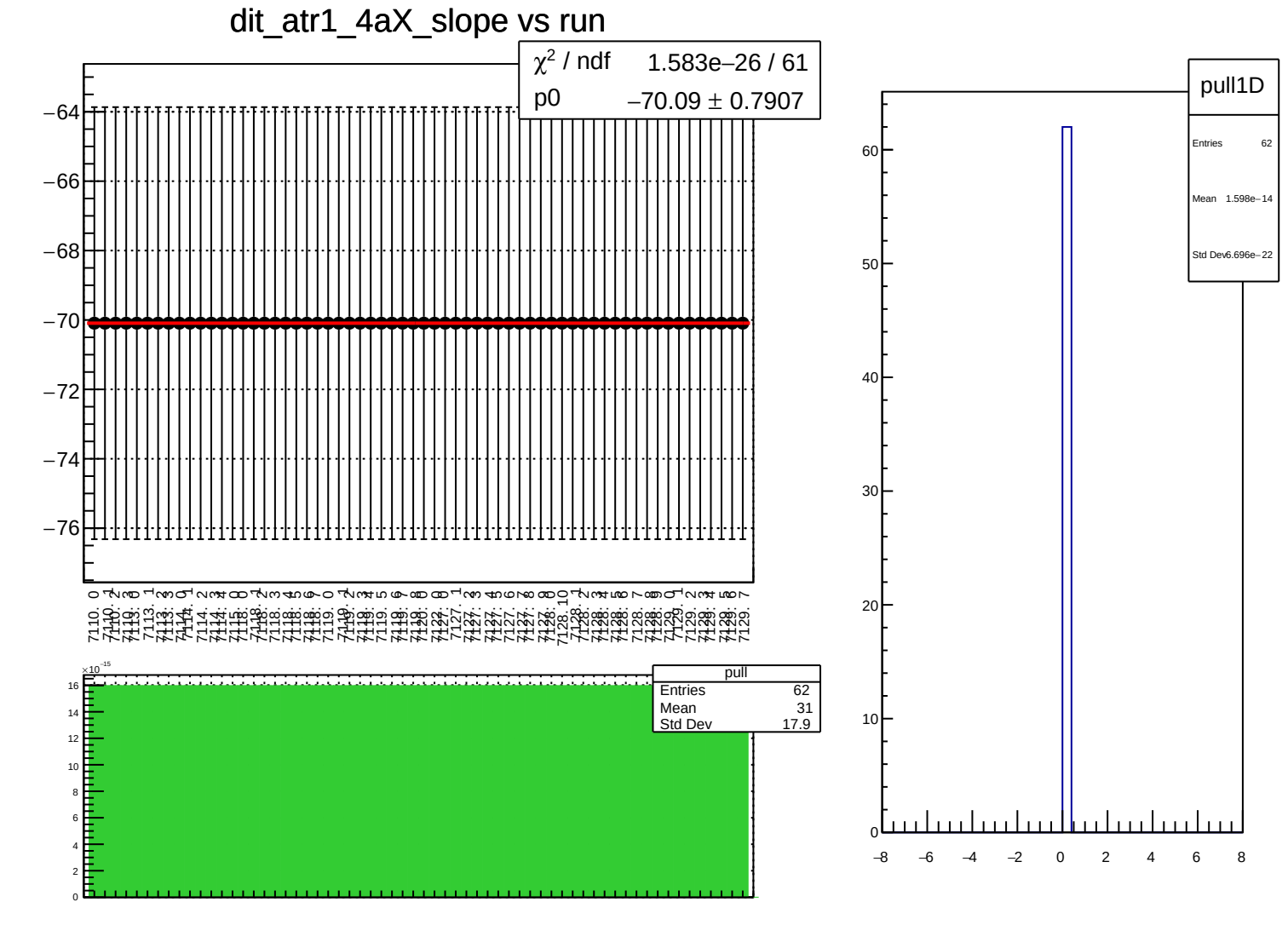

pull1D
Entries 62
Mean 2.34e−14
Std Dev7.336e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

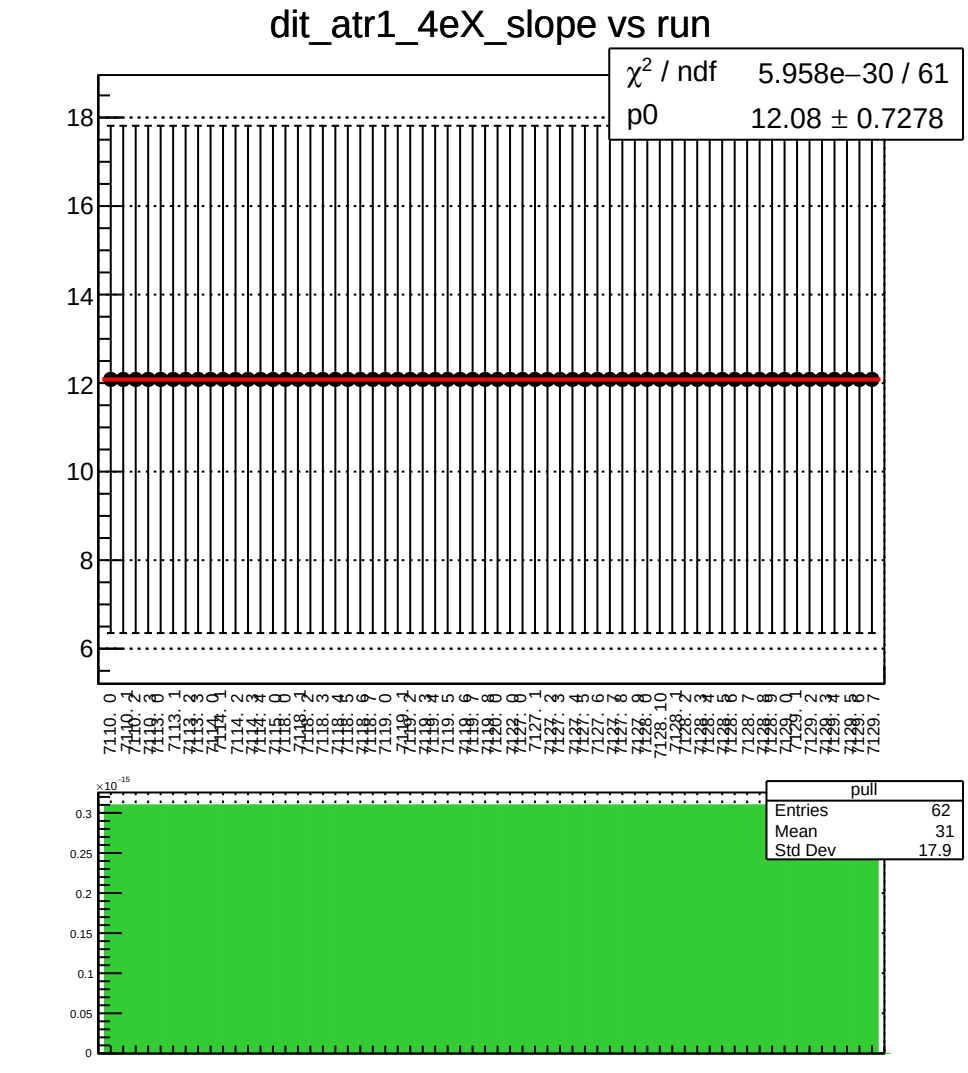

dit_atl2_11X12X_slope vs run
χ² / ndf 1.121e−24 / 61
p0 −290.3 ± 0.2684
−288
−289
−290
−291
−292
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 62
Mean −1.345e−13
Std Dev 4.15e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

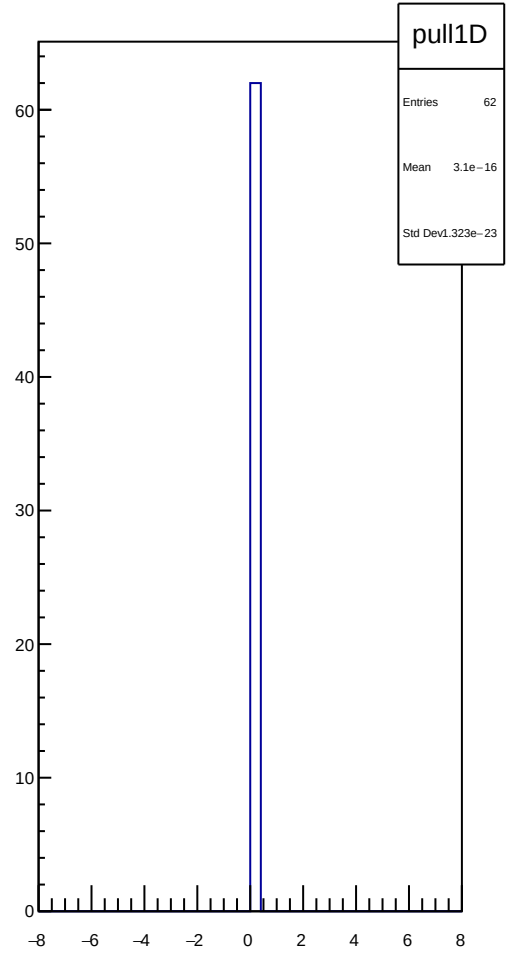

dit_atl2_4aY_slope vs run
χ² / ndf 3.715e−26 / 61
p0 14.94 ± 0.1567
pull
Entries 62
Mean 31
Std Dev 17.9

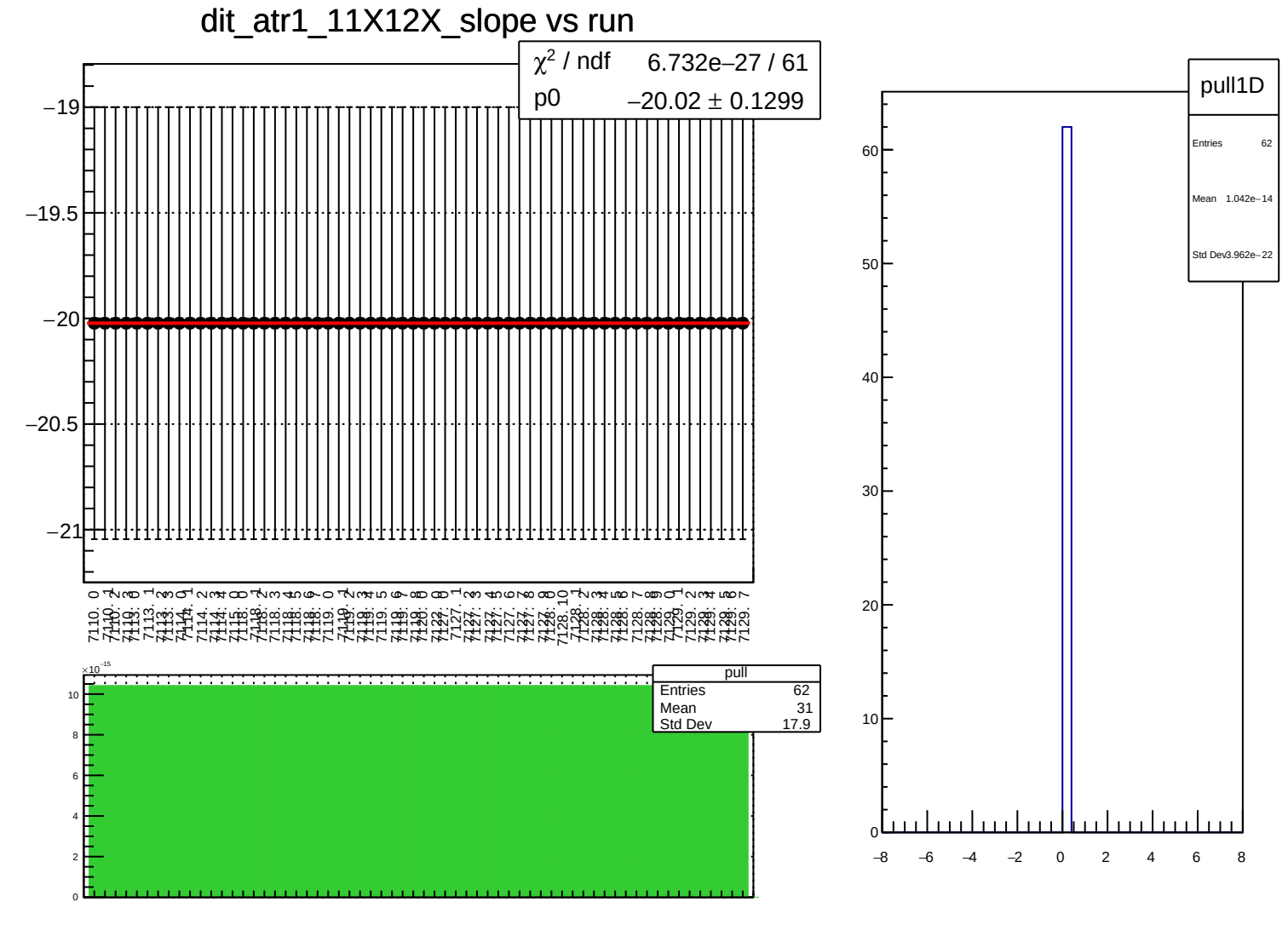

pull1D
Entries 62
Mean −2.448e−14
Std Dev 8.47e−22

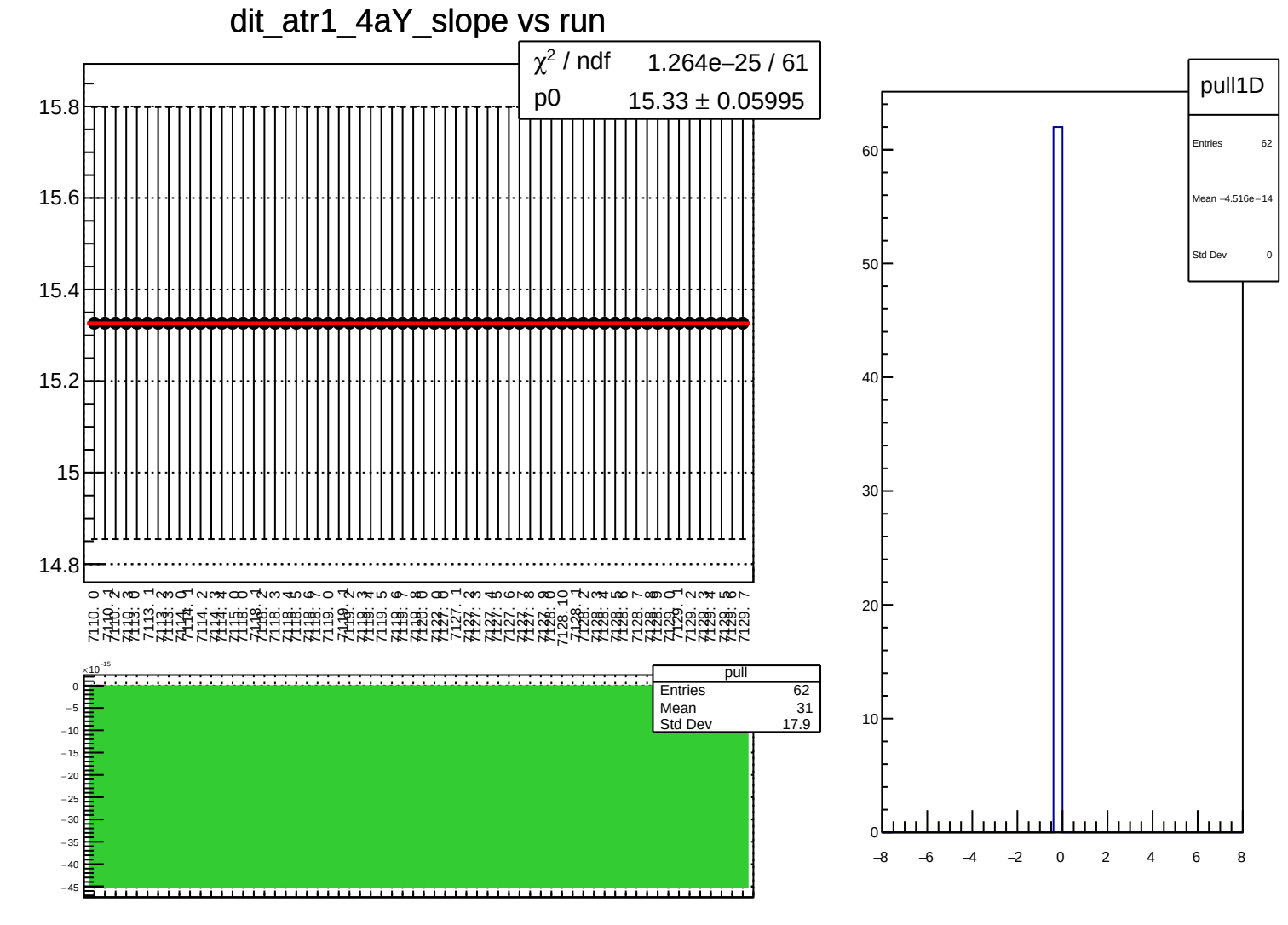

dit_atl2_4eY_slope vs run
χ² / ndf 3.379e−25 / 61
p0 129.3 ± 0.1956
131
130.5
130
129.5
129
128.5
128
127.5
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
pull1D
Entries 62
Mean 7.382e−14
Std Dev2.809e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

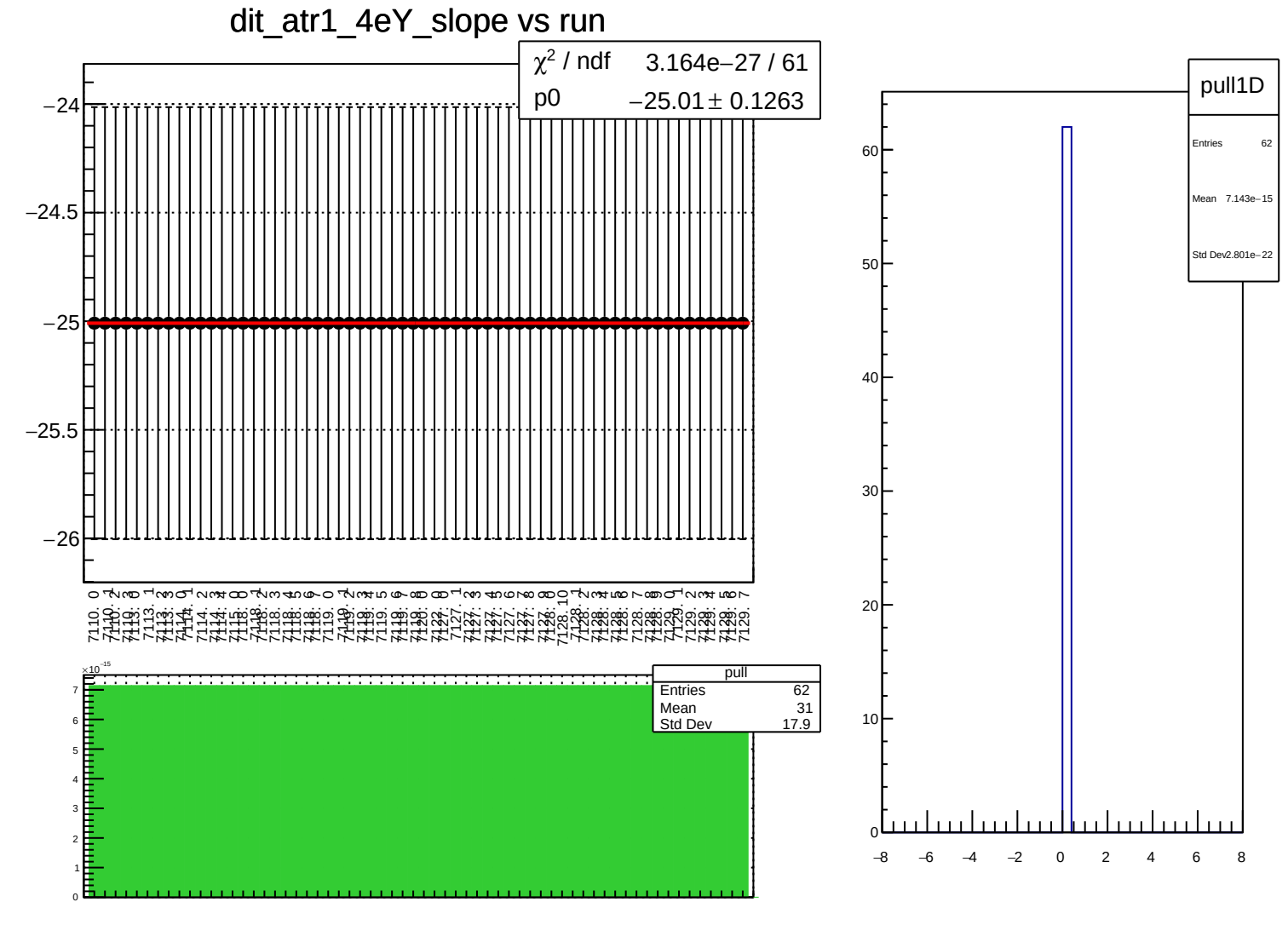

dit_atr1_4aX_slope vs run
χ² / ndf 1.583e−26 / 61
p0 −70.09 ± 0.7907
−64
−66
−68
−70
−72
−74
−76
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull1D
Entries 62
Mean 1.598e−14
Std Dev 6.696e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

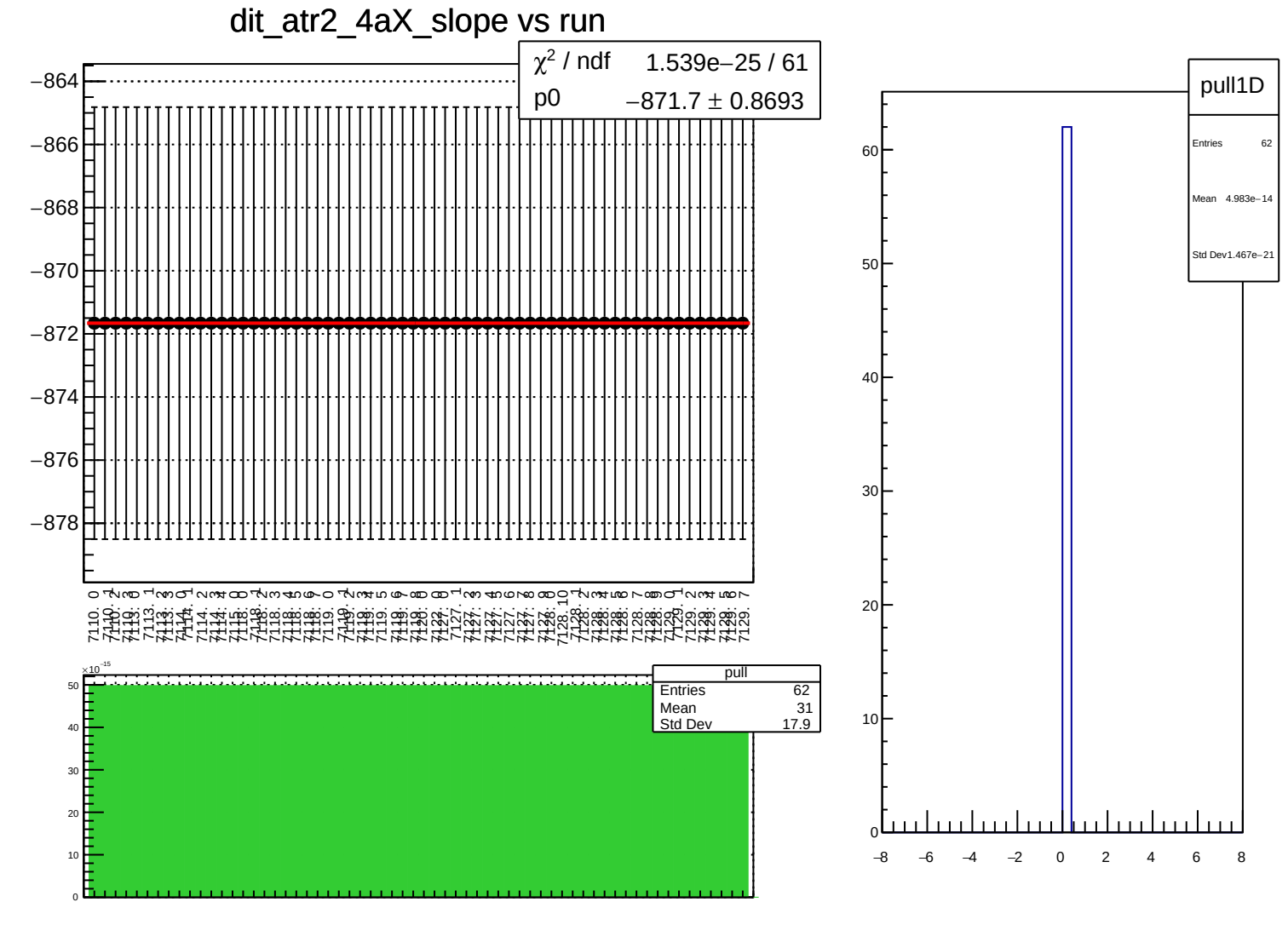

dit_atr1_4eX_slope vs run
χ² / ndf 5.958e−30 / 61
p0 12.08 ± 0.7278
pull
Entries 62
Mean 31
Std Dev 17.9

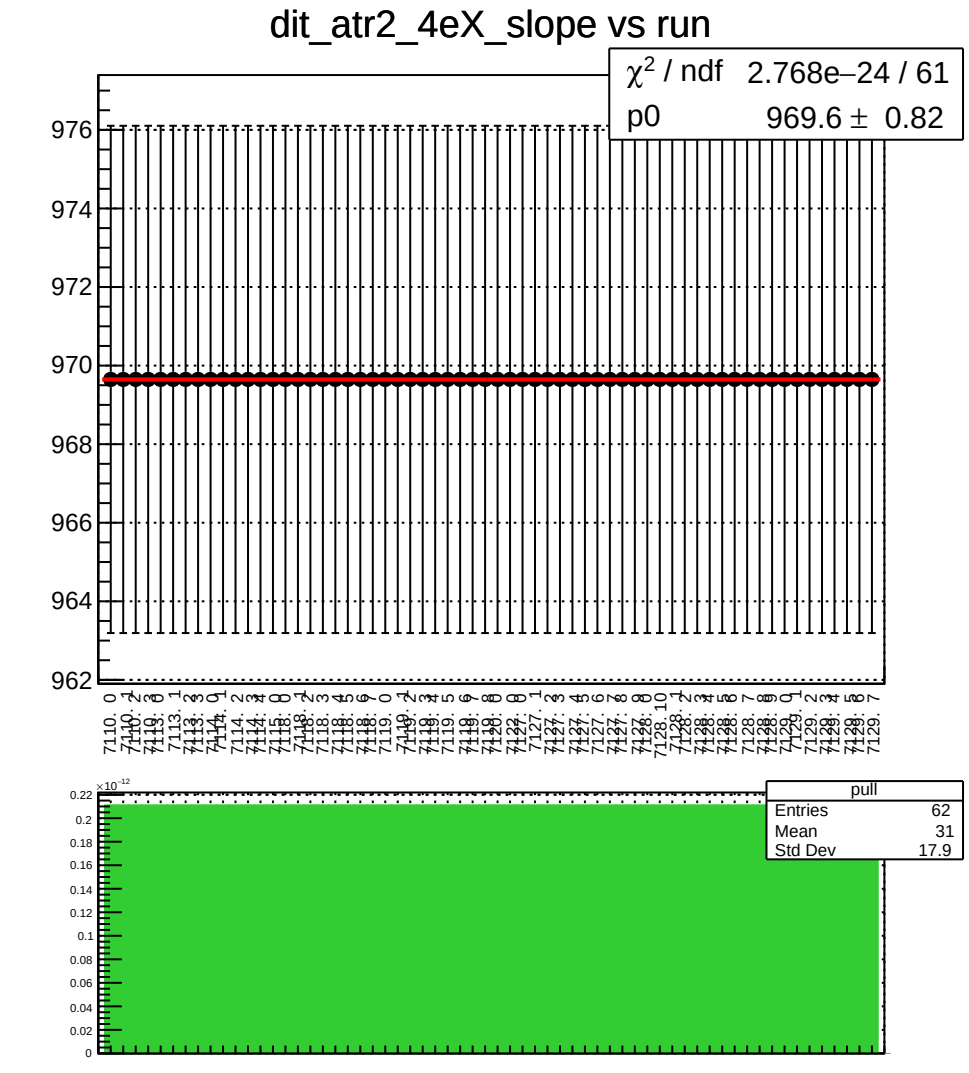

pull1D
Entries 62
Mean 3.1e−16
Std Dev 1.323e−23

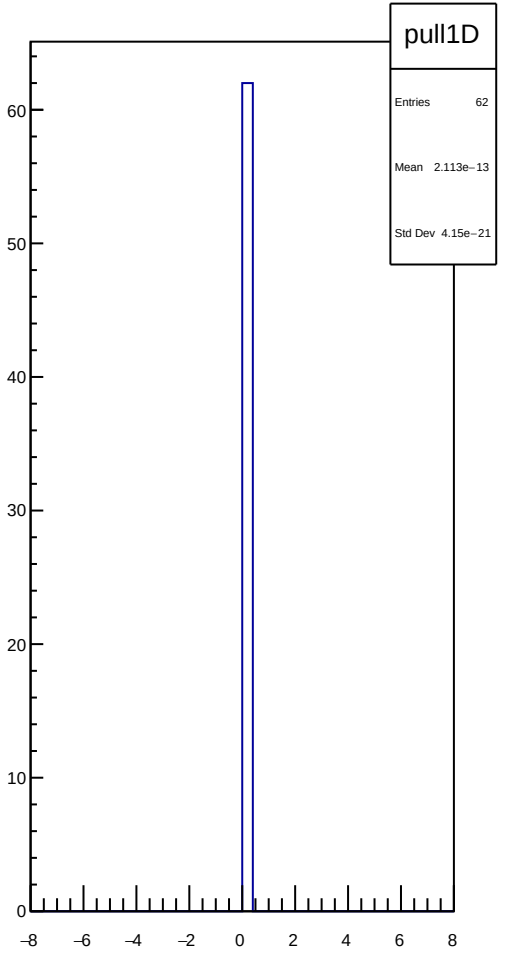

dit_atr1_11X12X_slope vs run
χ² / ndf 6.732e−27 / 61
p0 −20.02 ± 0.1299
−19
−19.5
−20
−20.5
−21
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean 1.042e−14
Std Dev 3.962e−22

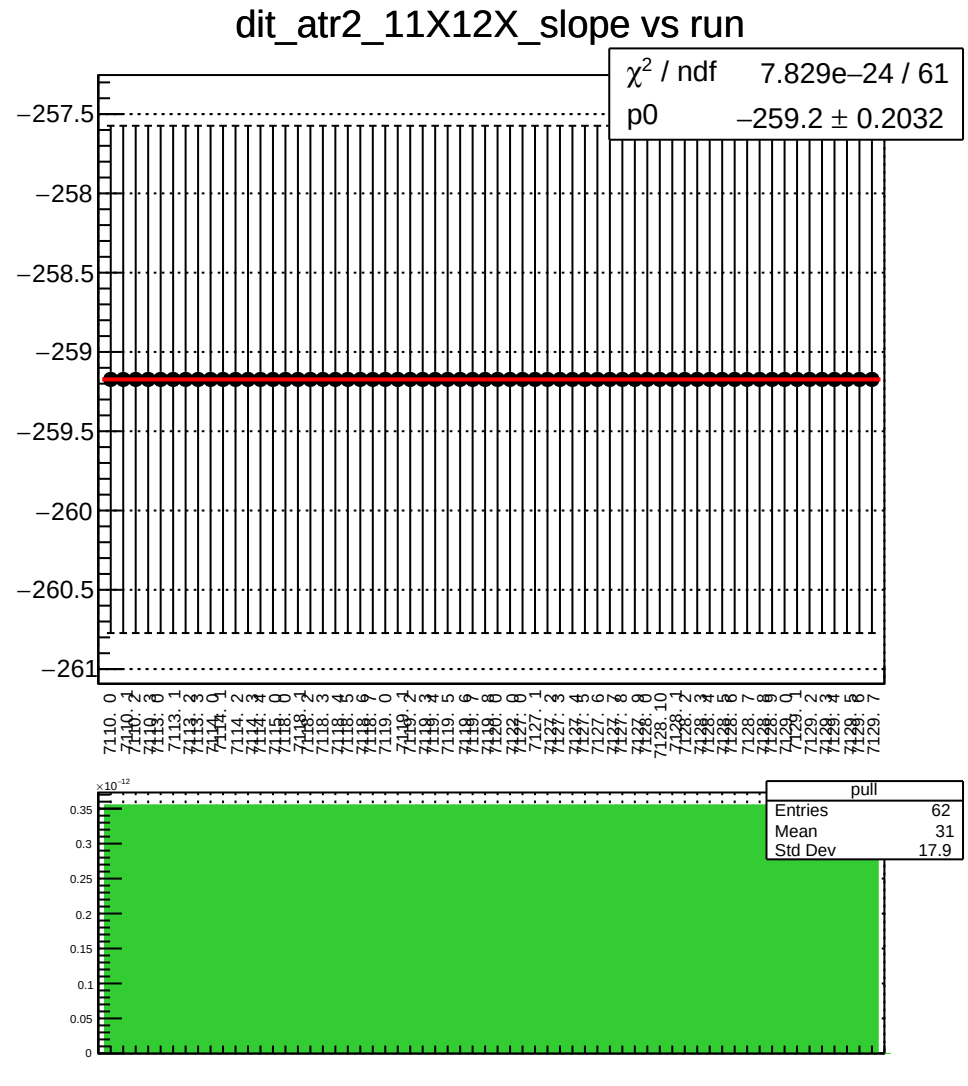

dit_atr1_4aY_slope vs run
χ² / ndf 1.264e−25 / 61
p0 15.33 ± 0.05995
15.8
15.6
15.4
15.2
15
14.8
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull1D
Entries 62
Mean −4.516e−14
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

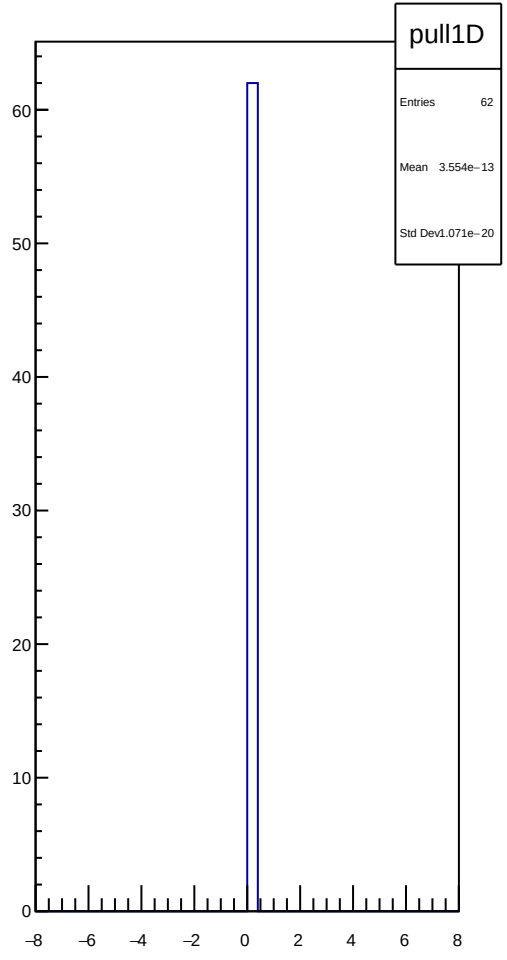

dit_atr1_4eY_slope vs run
χ² / ndf 3.164e−27 / 61
p0 −25.01 ± 0.1263
−24
−24.5
−25
−25.5
−26
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean 7.143e−15
Std Dev 2.801e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

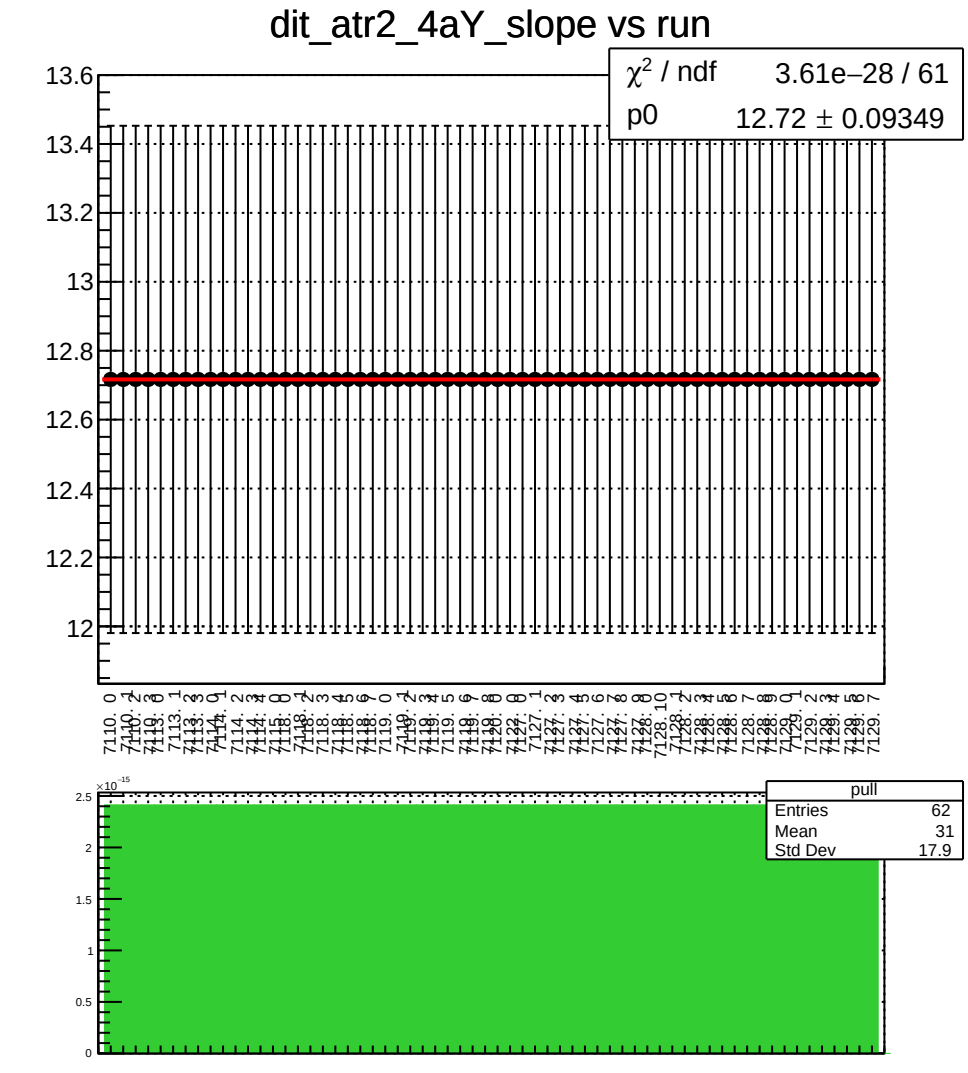

dit_atr2_4aX_slope vs run
χ² / ndf 1.539e−25 / 61
p0 −871.7 ± 0.8693
−864
−866
−868
−870
−872
−874
−876
−878
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 62
Mean 4.983e−14
Std Dev 1.467e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

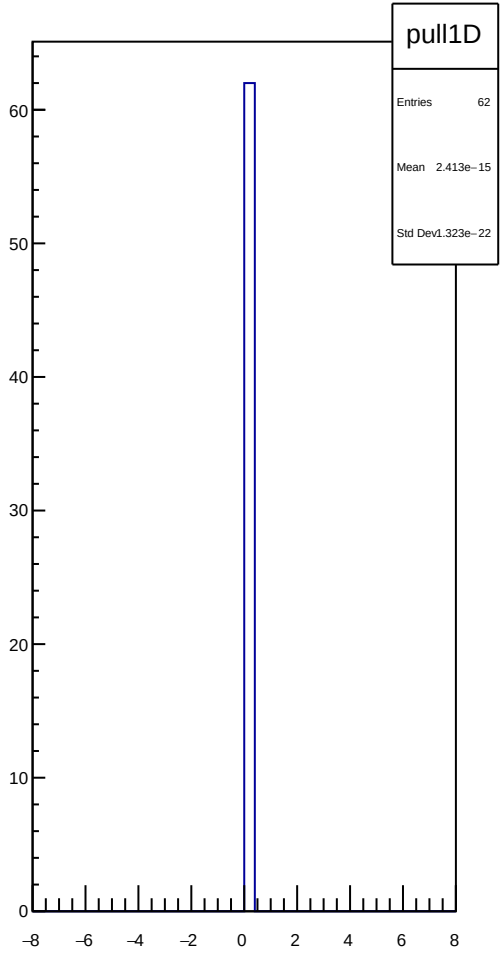

dit_atr2_4eX_slope vs run
χ² / ndf 2.768e−24 / 61
p0 969.6 ± 0.82
976
974
972
970
968
966
964
962
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

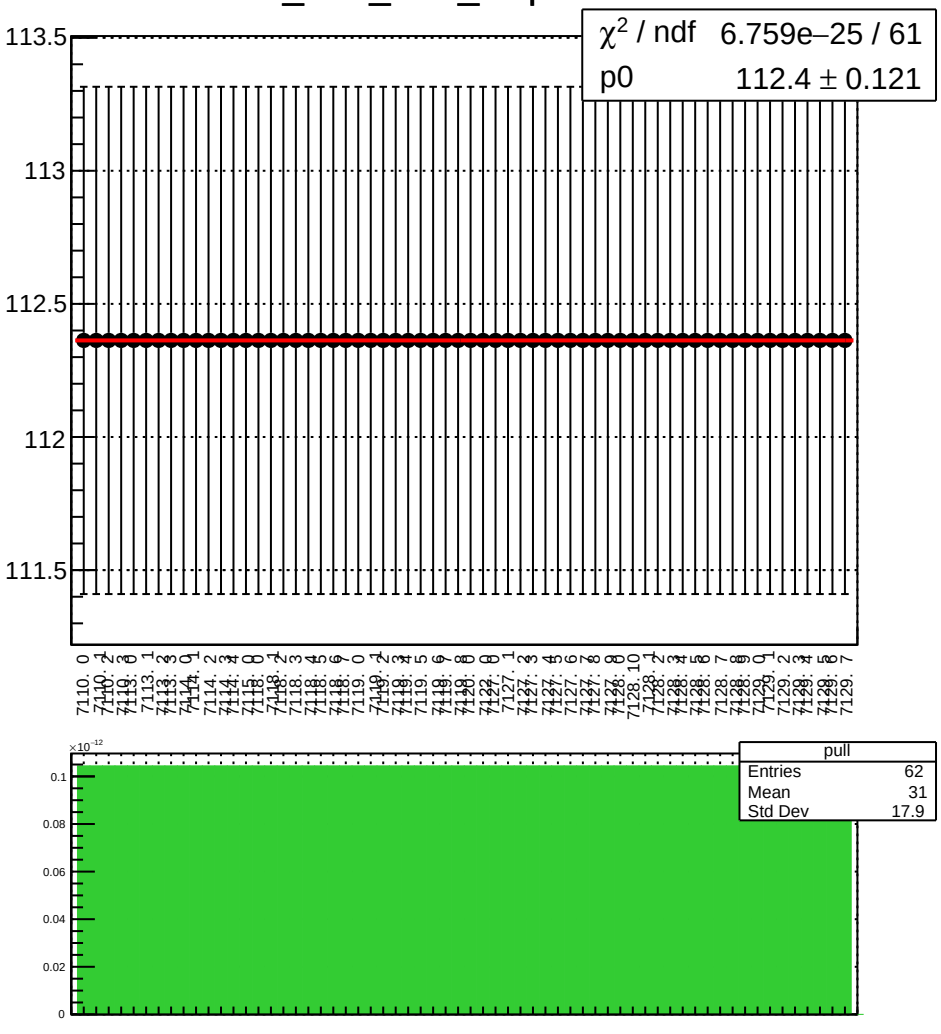

pull1D
Entries 62
Mean 2.113e−13
Std Dev 4.15e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

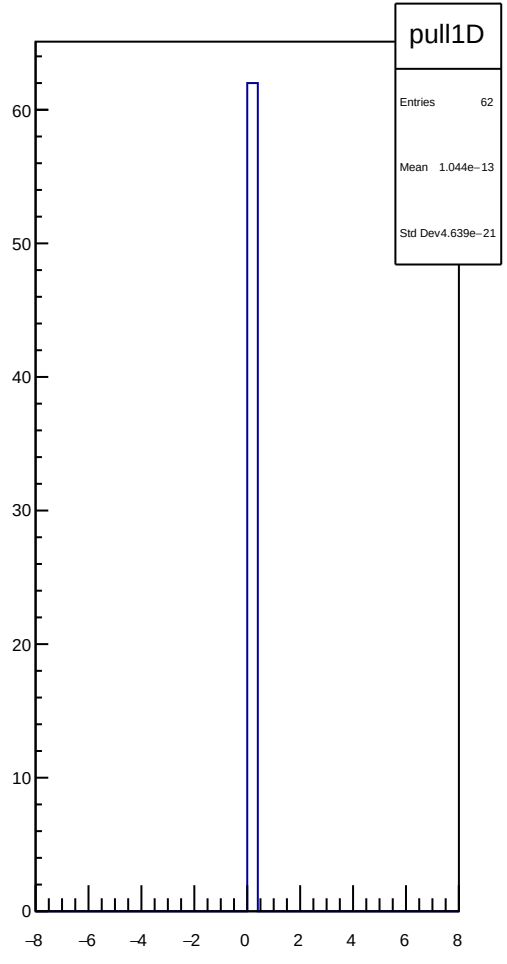

dit_atr2_11X12X_slope vs run
χ² / ndf 7.829e−24 / 61
p0 −259.2 ± 0.2032
−257.5
−258
−258.5
−259
−259.5
−260
−260.5
−261
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

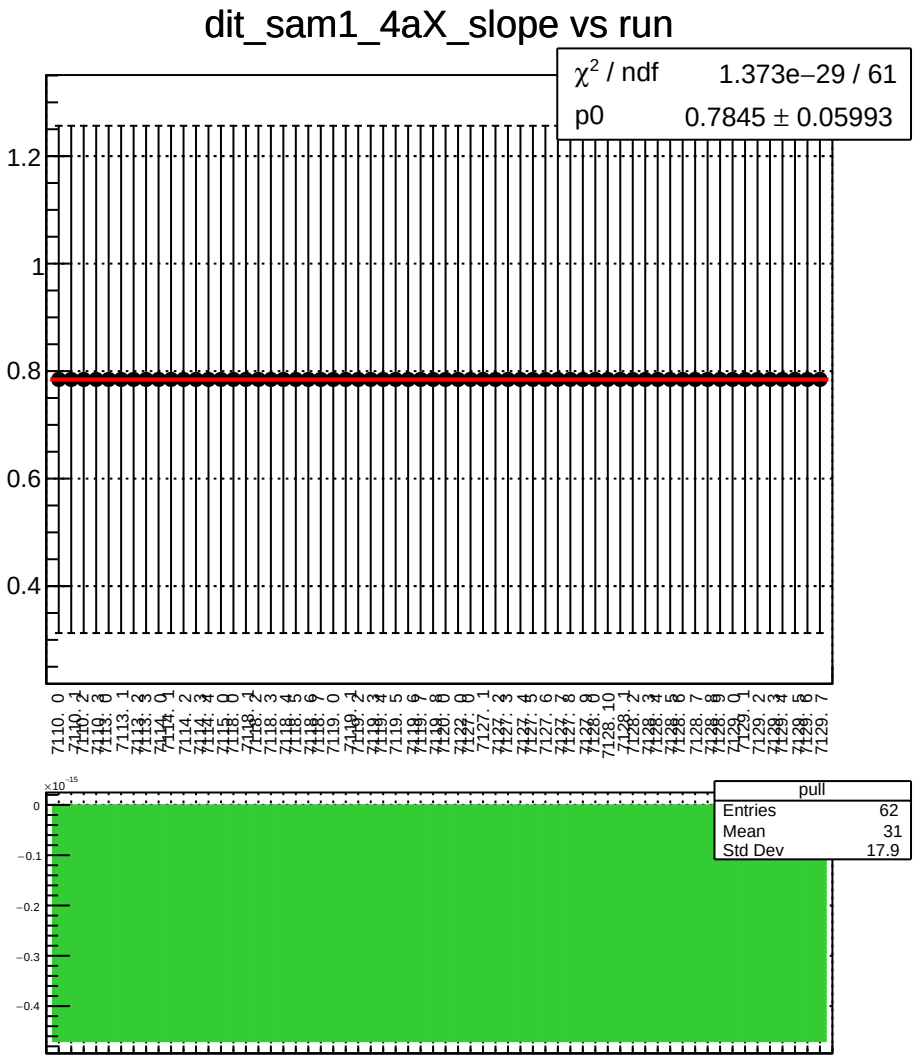

pull1D
Entries 62
Mean 3.554e−13
Std Dev1.071e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

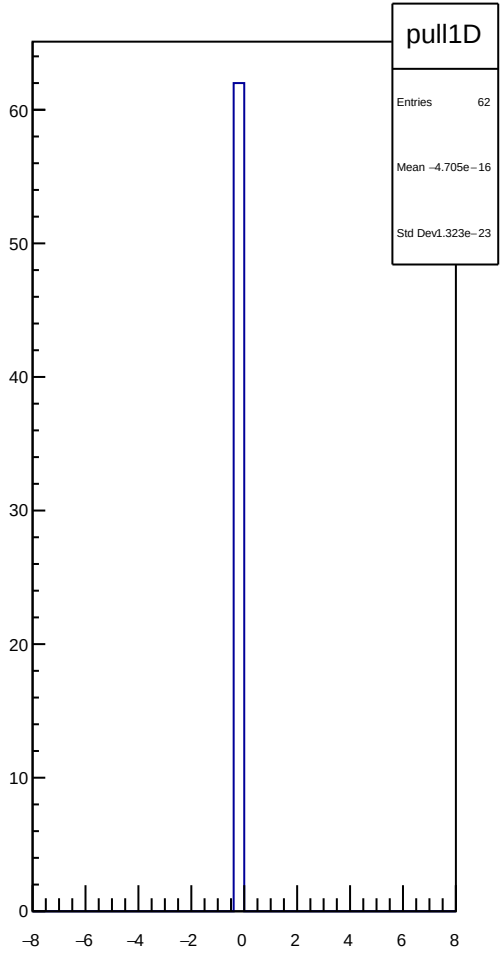

dit_atr2_4aY_slope vs run
χ² / ndf 3.61e−28 / 61
p0 12.72 ± 0.09349
pull
Entries 62
Mean 31
Std Dev 17.9

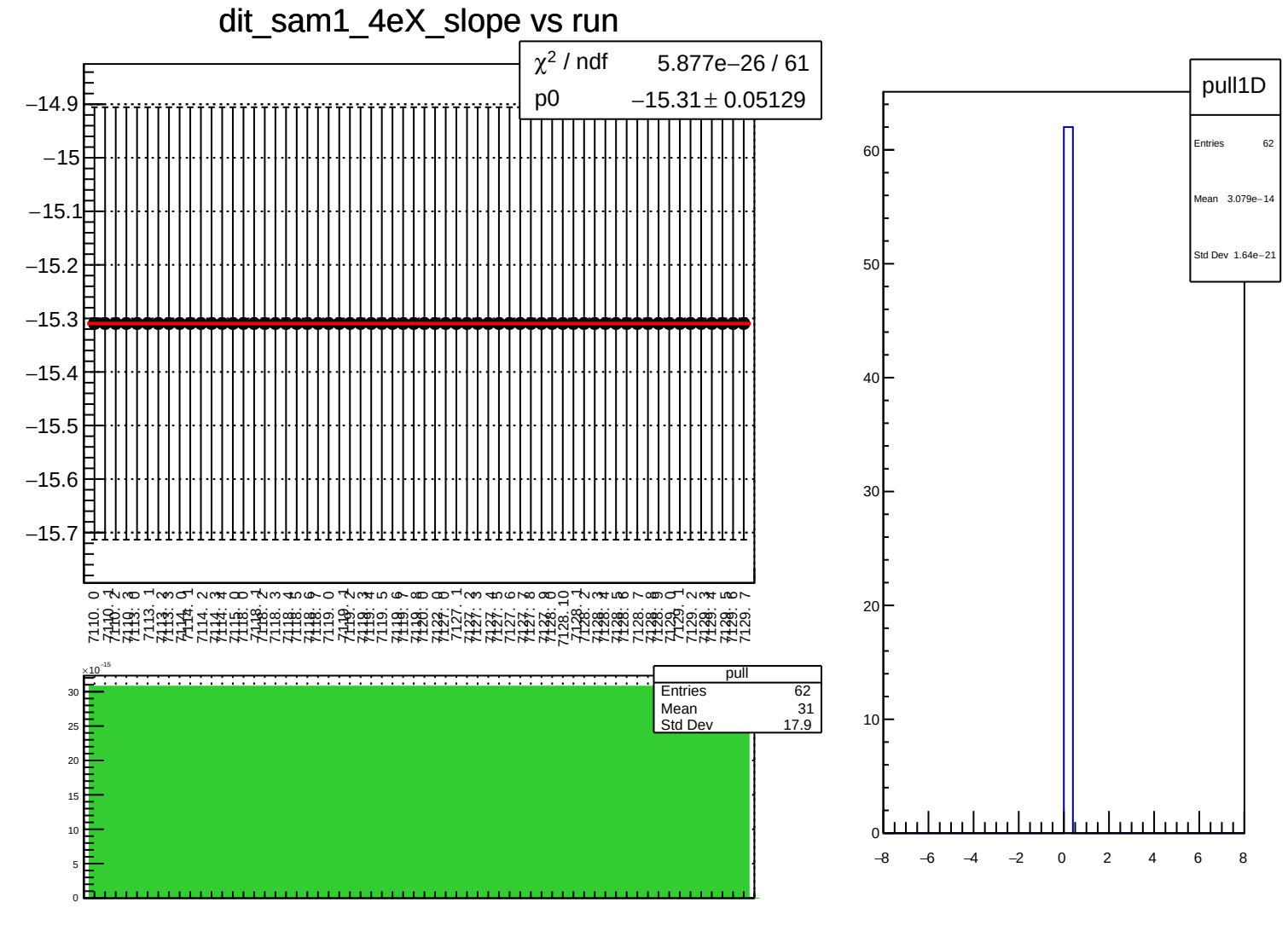

pull1D
Entries 62
Mean 2.413e−15
Std Dev 1.323e−22

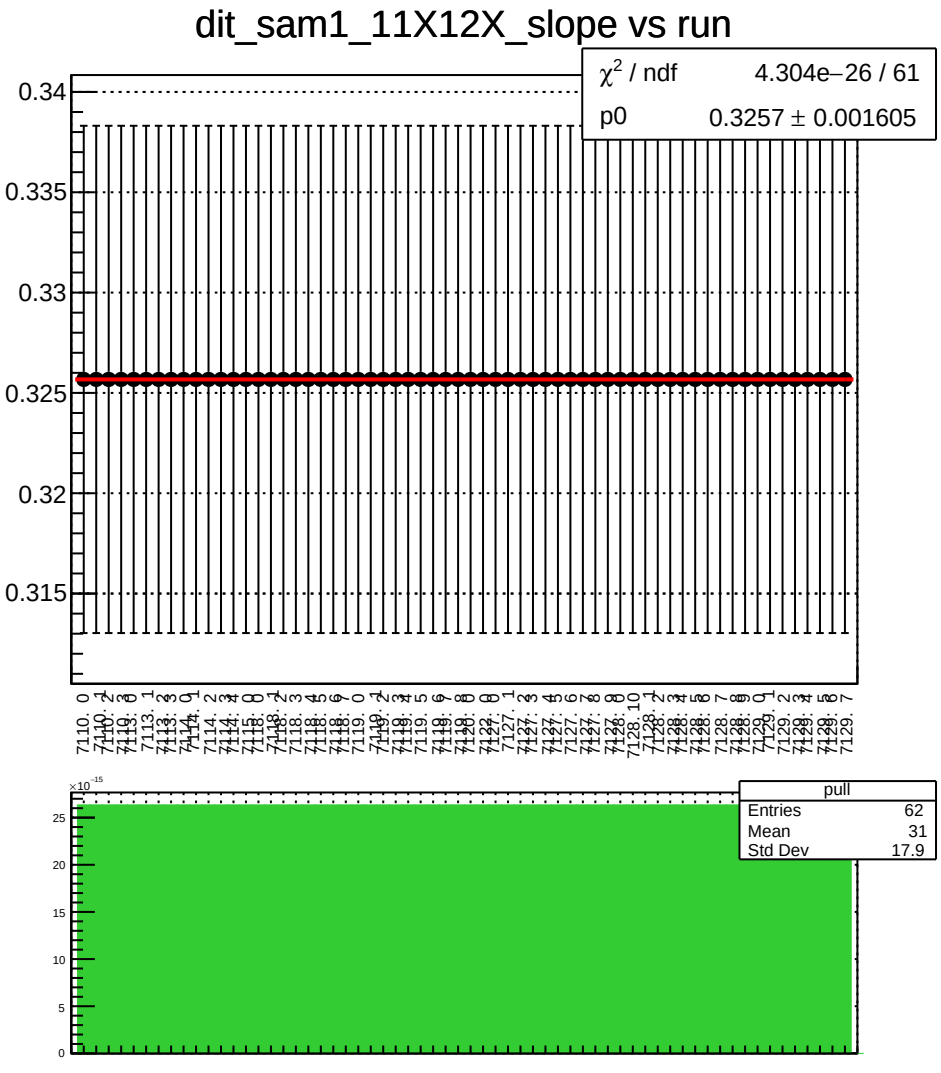

dit_atr2_4eY_slope vs run
χ² / ndf 6.759e−25 / 61
p0 112.4 ± 0.121
113.5
113
112.5
112
111.5
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

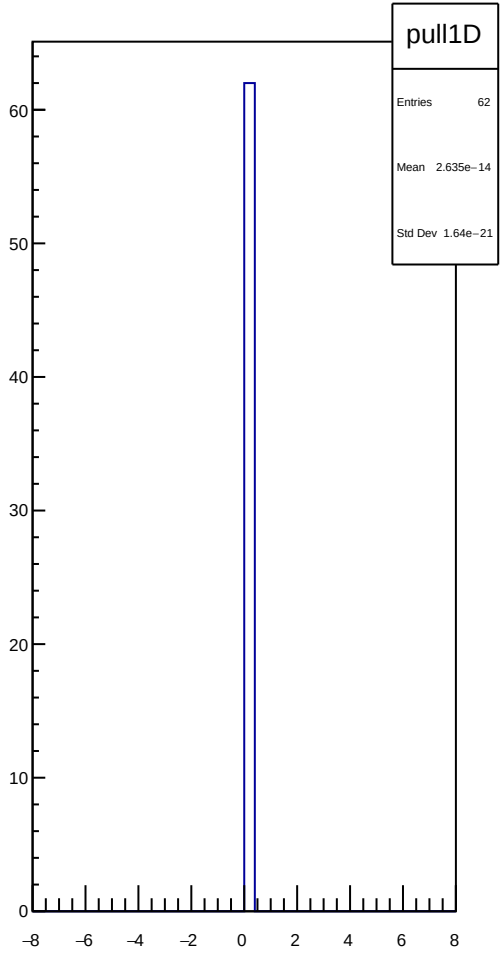

pull1D
Entries 62
Mean 1.044e−13
Std Dev 4.639e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

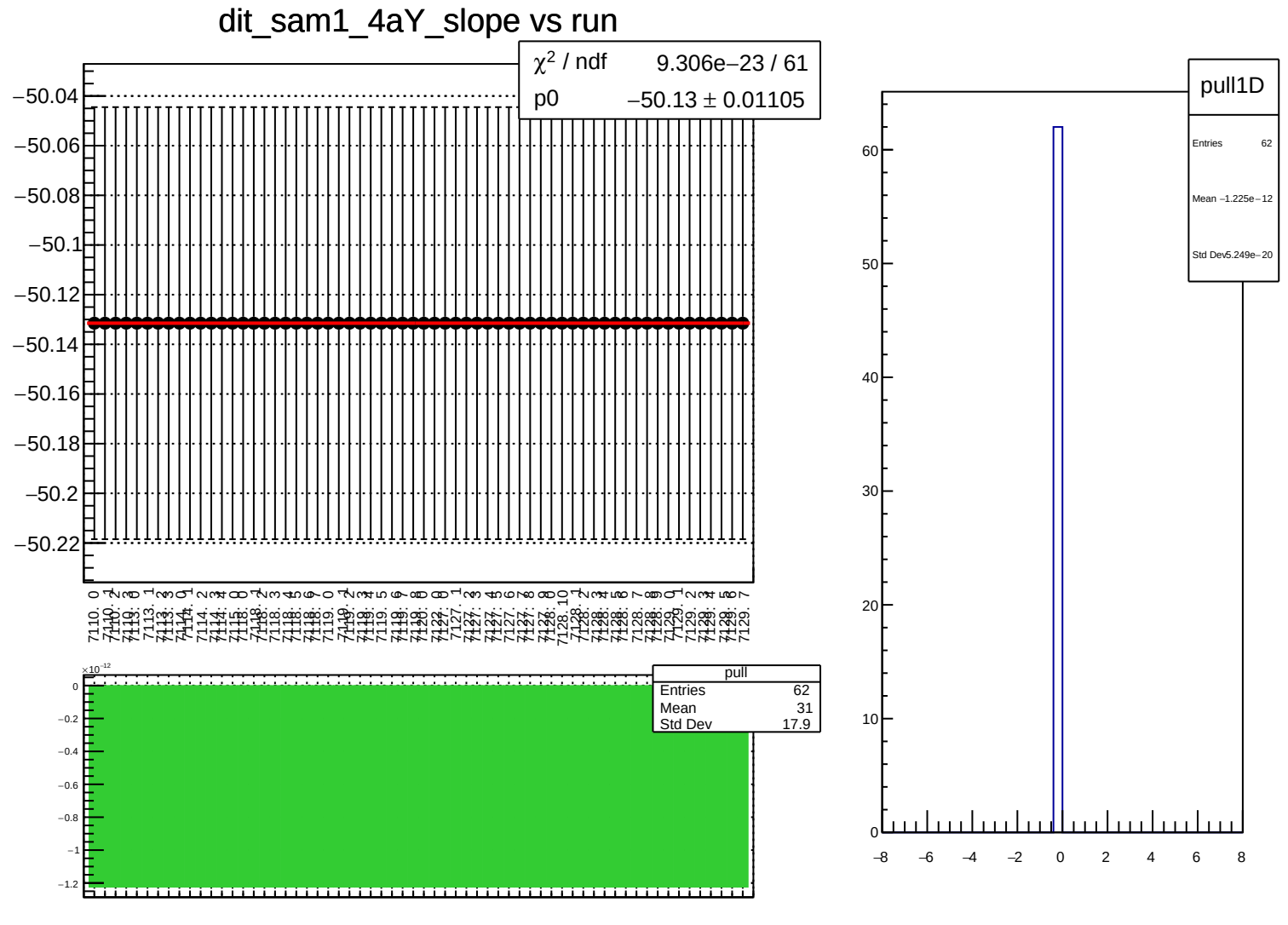

dit_sam1_4aX_slope vs run
χ² / ndf 1.373e−29 / 61
p0 0.7845 ± 0.05993
1.2
1
0.8
0.6
0.4
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4

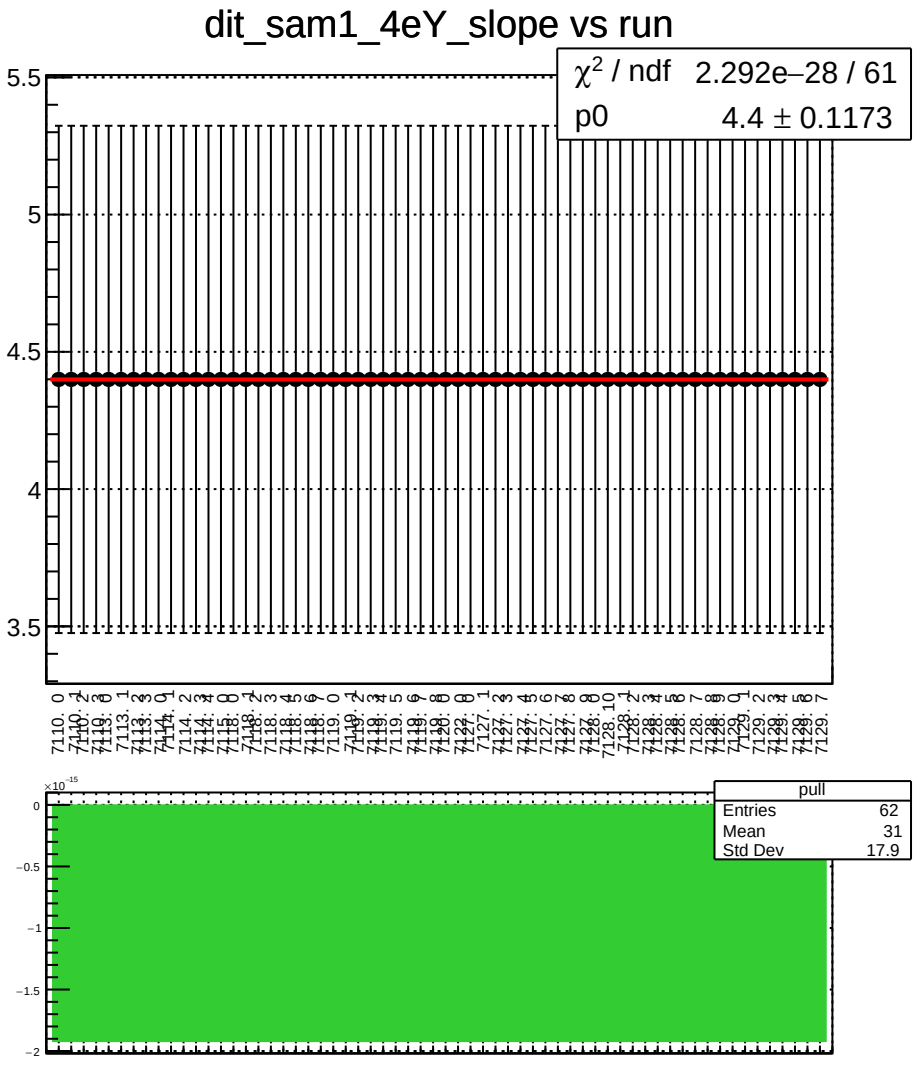

pull1D
Entries 62
Mean −4.705e−16
Std Dev1.323e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

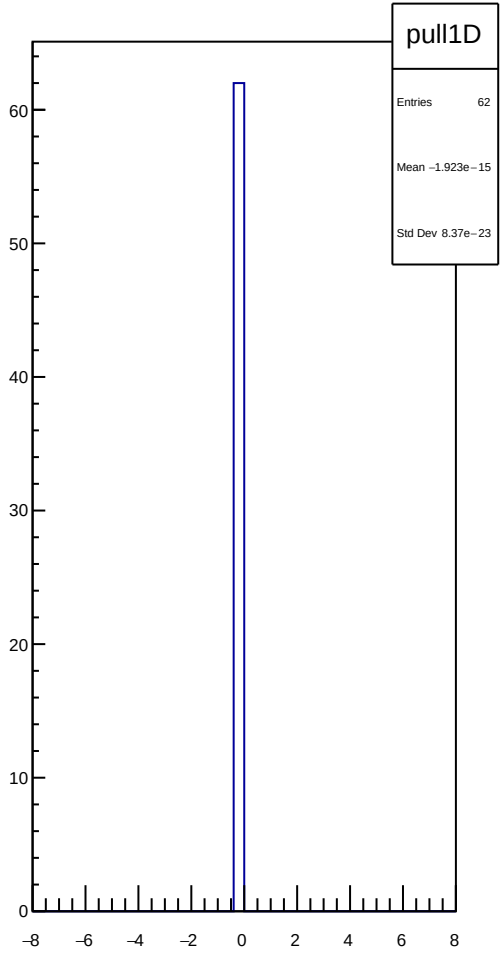

dit_sam1_4eX_slope vs run
χ² / ndf 5.877e−26 / 61
p0 −15.31 ± 0.05129
−14.9
−15
−15.1
−15.2
−15.3
−15.4
−15.5
−15.6
−15.7
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
pull1D
Entries 62
Mean 3.079e−14
Std Dev 1.64e−21

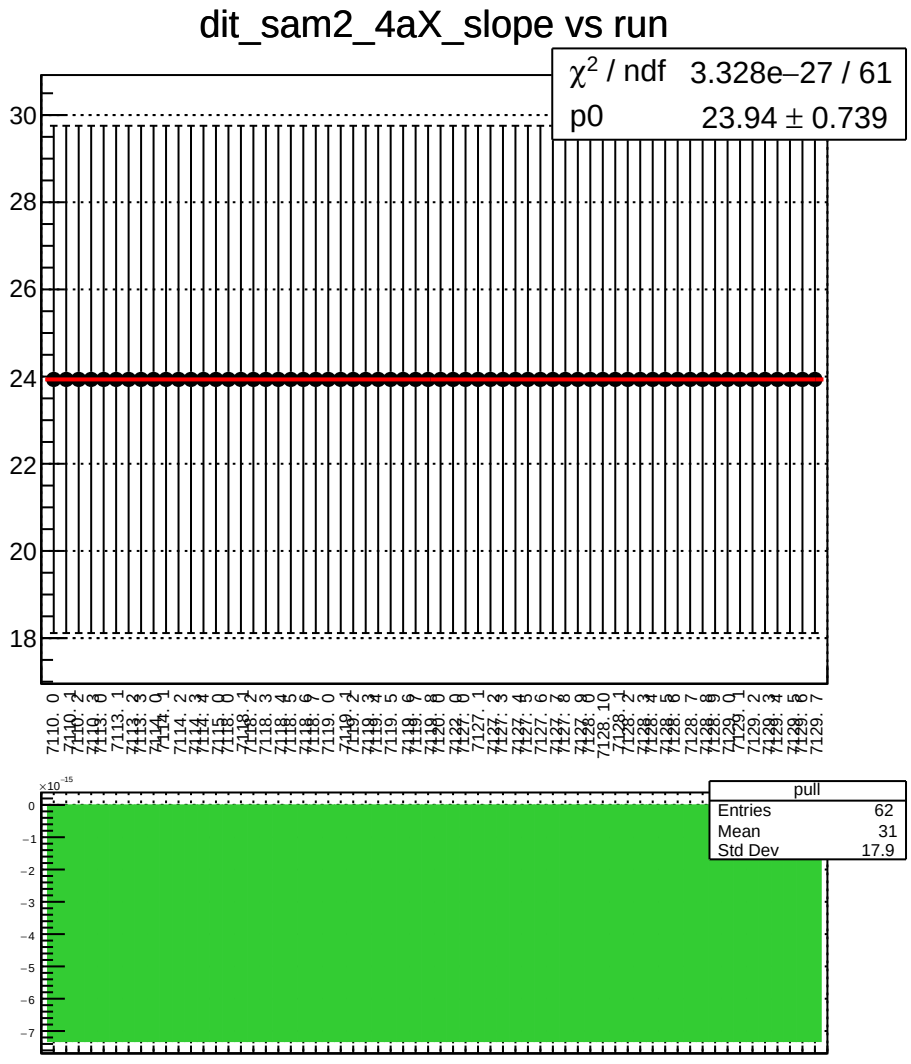

dit_sam1_11X12X_slope vs run
χ² / ndf 4.304e−26 / 61
p0 0.3257 ± 0.001605
0.34
0.335
0.33
0.325
0.32
0.315
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
25
20
15
10
5
0

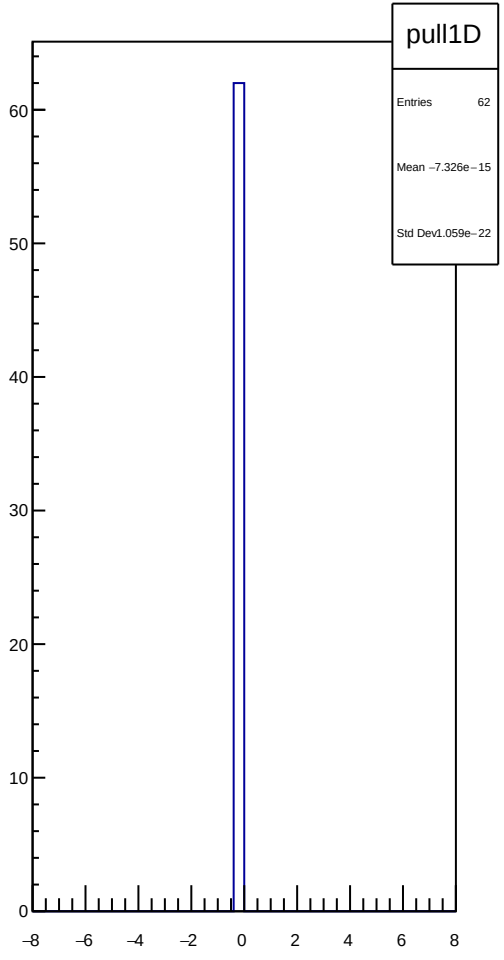

pull1D
Entries 62
Mean 2.635e−14
Std Dev 1.64e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

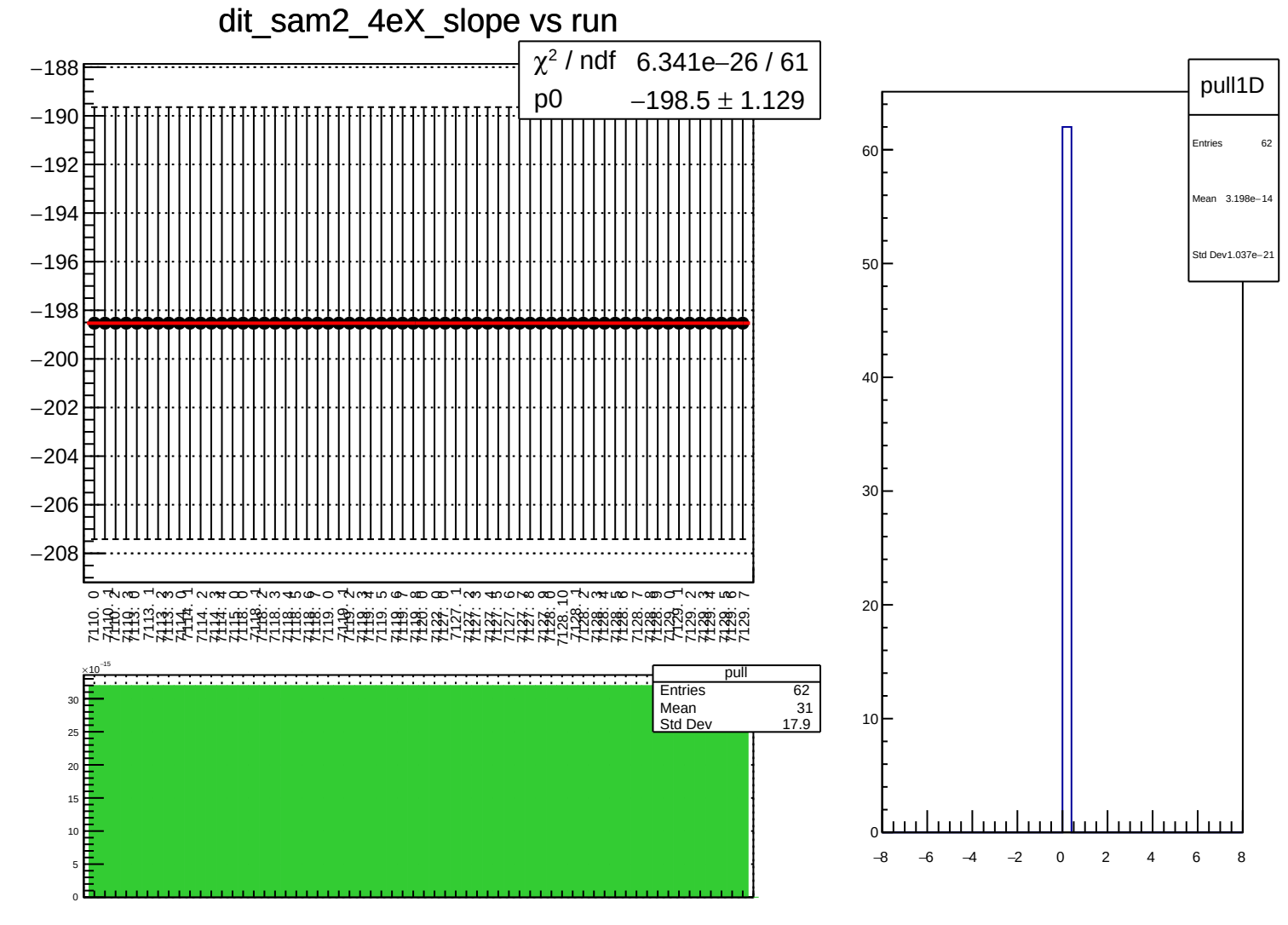

dit_sam1_4aY_slope vs run
χ² / ndf 9.306e−23 / 61
p0 −50.13 ± 0.01105
−50.04
−50.06
−50.08
−50.1
−50.12
−50.14
−50.16
−50.18
−50.2
−50.22
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 62
Mean −1.225e−12
Std Dev5.249e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

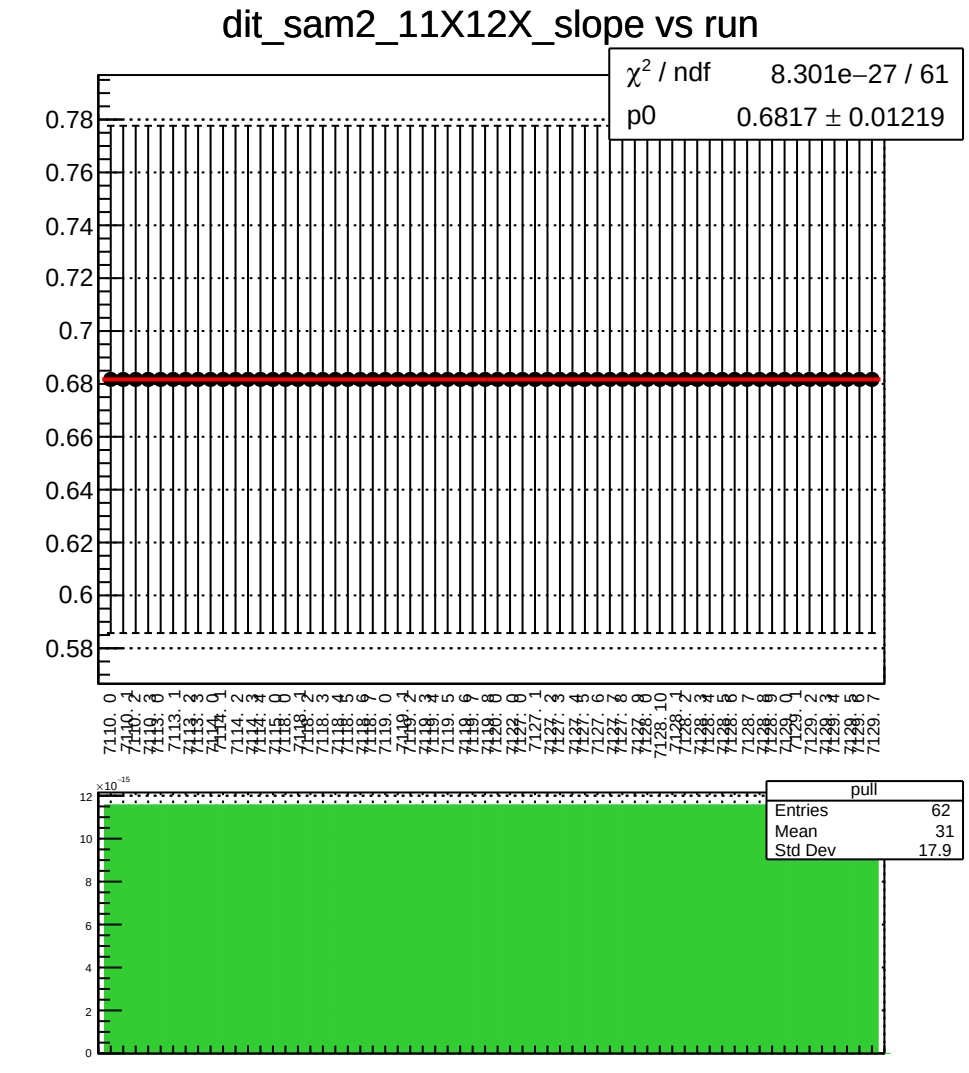

dit_sam1_4eY_slope vs run
χ² / ndf 2.292e−28 / 61
p0 4.4 ± 0.1173
pull
Entries 62
Mean 31
Std Dev 17.9

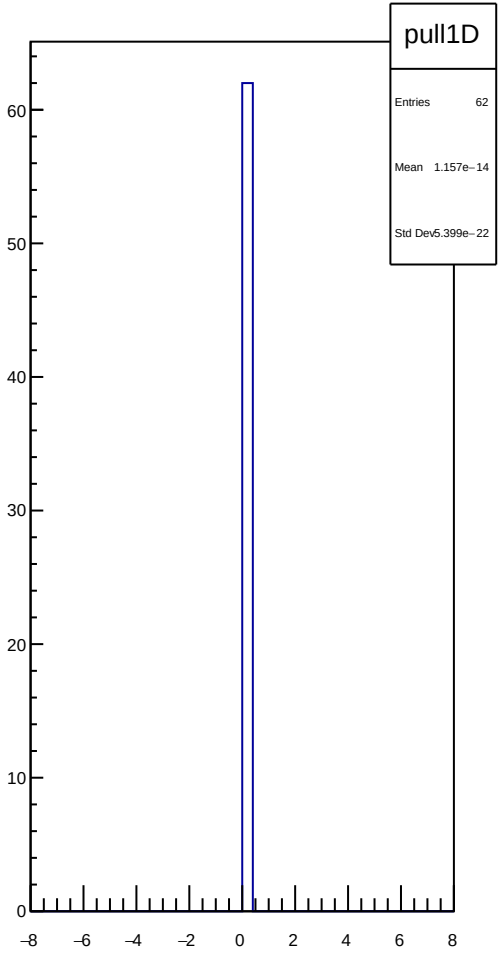

pull1D
Entries 62
Mean −1.923e−15
Std Dev 8.37e−23

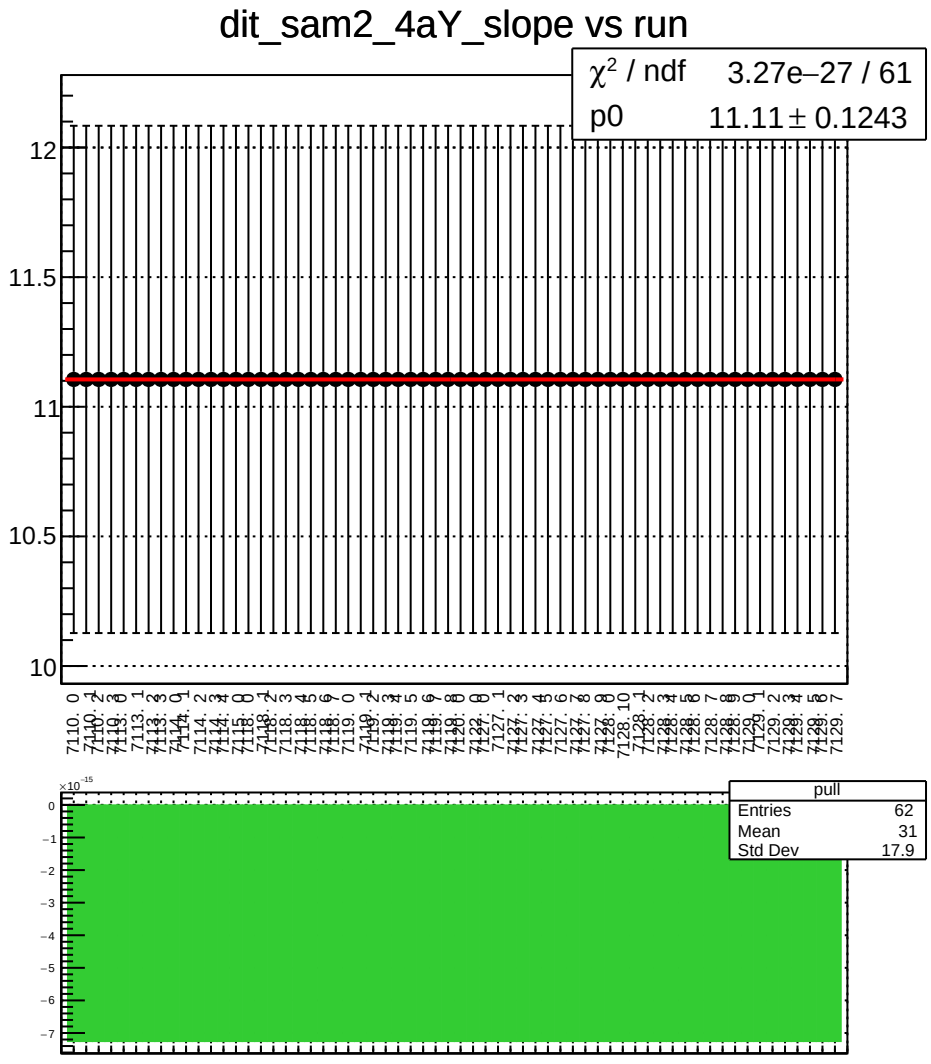

dit_sam2_4aX_slope vs run
χ^2 / ndf 3.328e−27 / 61
p0 23.94 ± 0.739
pull
Entries 62
Mean 31
Std Dev 17.9

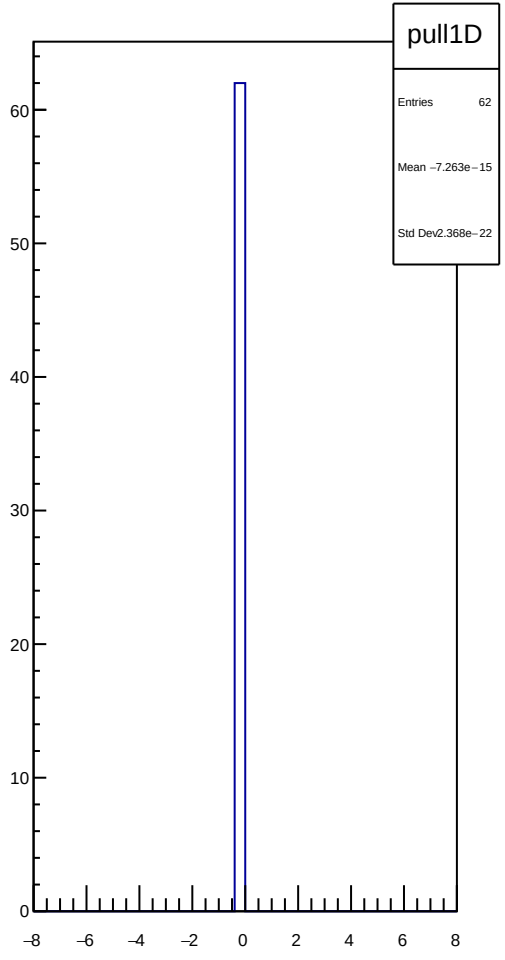

pull1D
Entries 62
Mean −7.326e−15
Std Dev1.059e−22

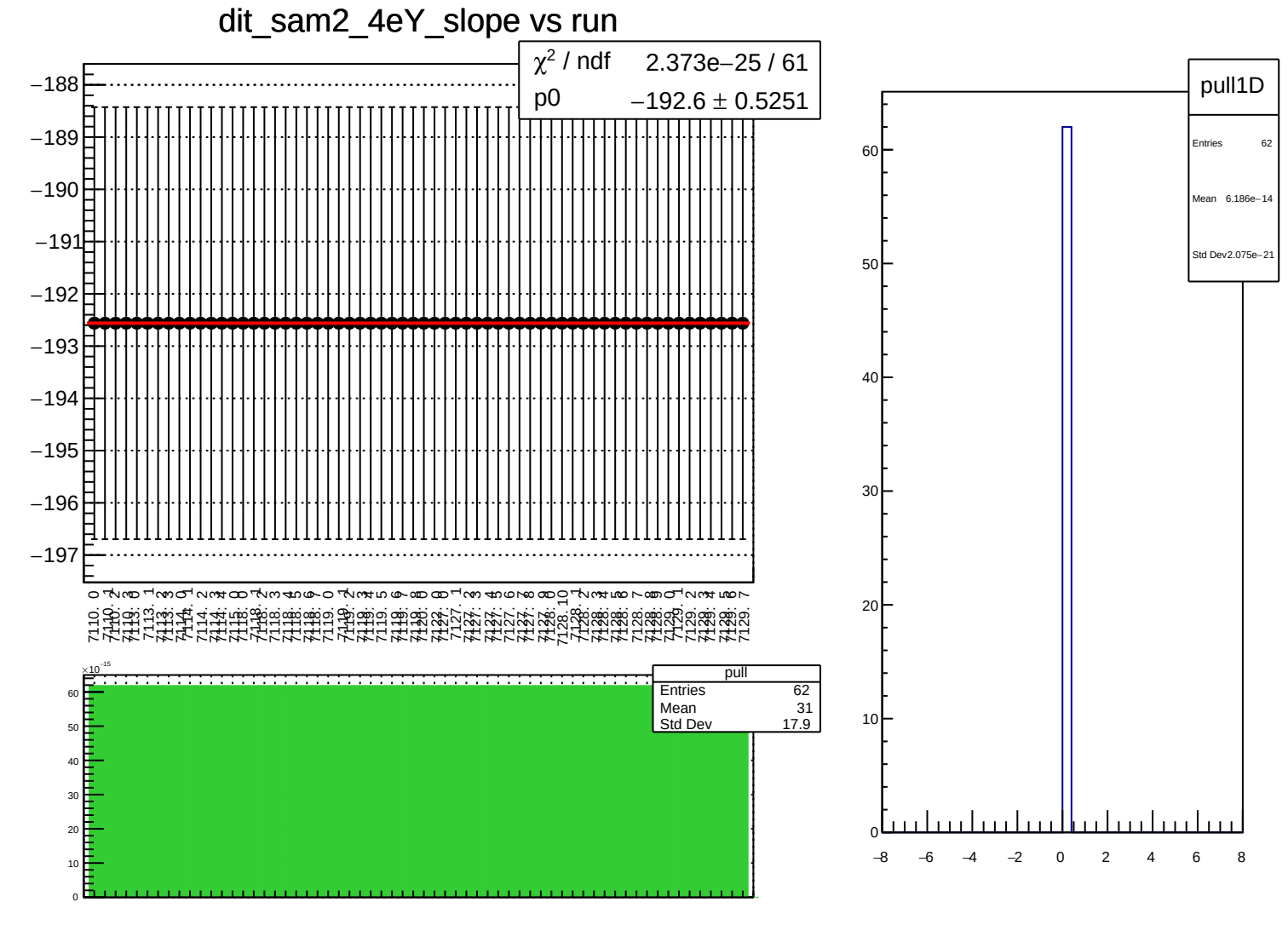

dit_sam2_4eX_slope vs run
χ² / ndf 6.341e−26 / 61
p0 −198.5 ± 1.129
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean 3.198e−14
Std Dev1.037e−21

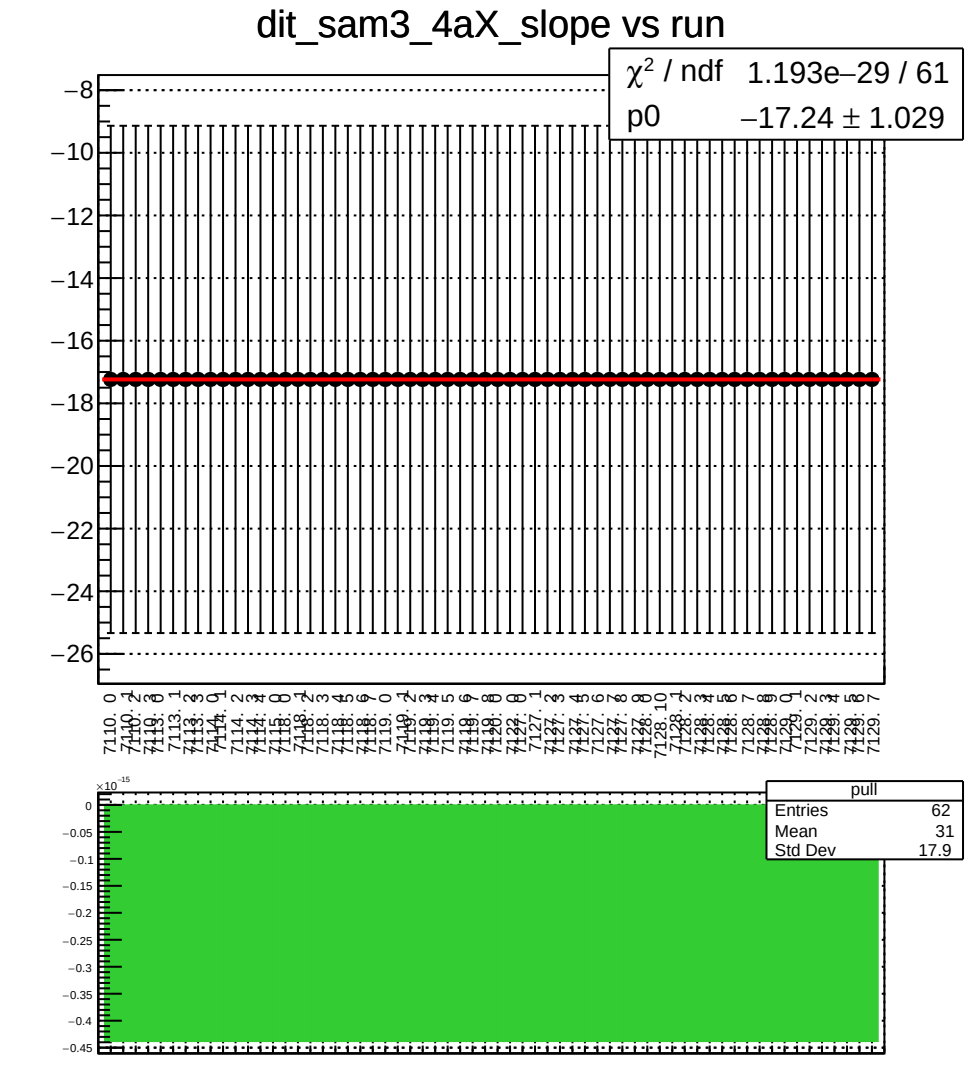

dit_sam2_11X12X_slope vs run
χ² / ndf 8.301e−27 / 61
p0 0.6817 ± 0.01219
pull
Entries 62
Mean 31
Std Dev 17.9

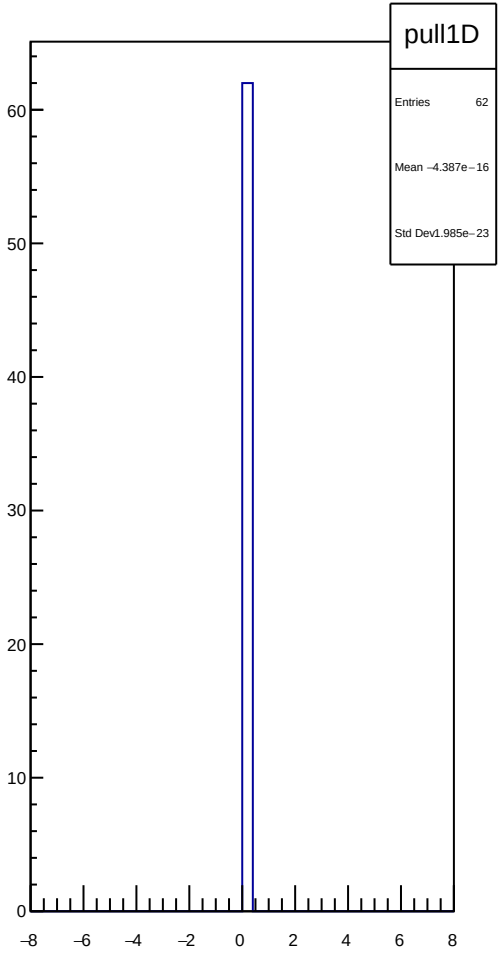

pull1D
Entries 62
Mean 1.157e−14
Std Dev 5.399e−22

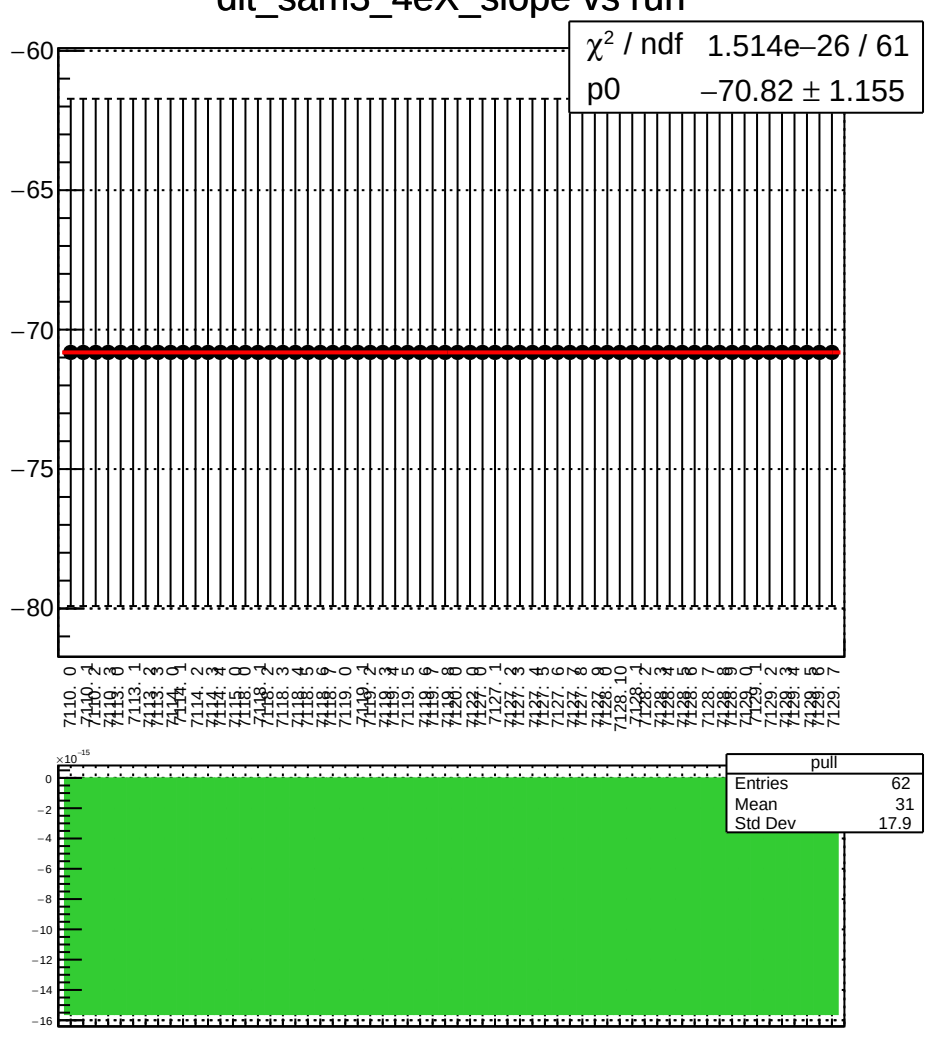

dit_sam2_4aY_slope vs run
χ^2 / ndf 3.27e−27 / 61
p0 11.11 ± 0.1243
12
11.5
11
10.5
10
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

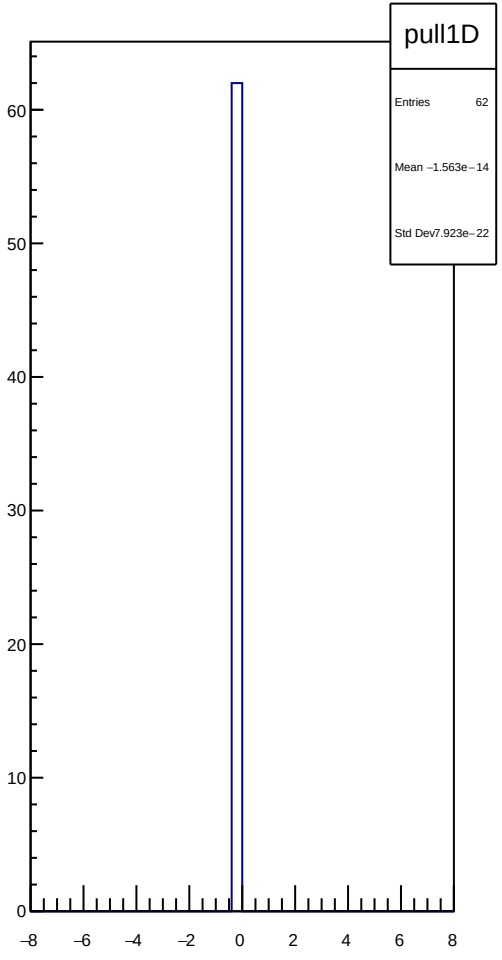

pull1D
Entries 62
Mean −7.263e−15
Std Dev 2.368e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

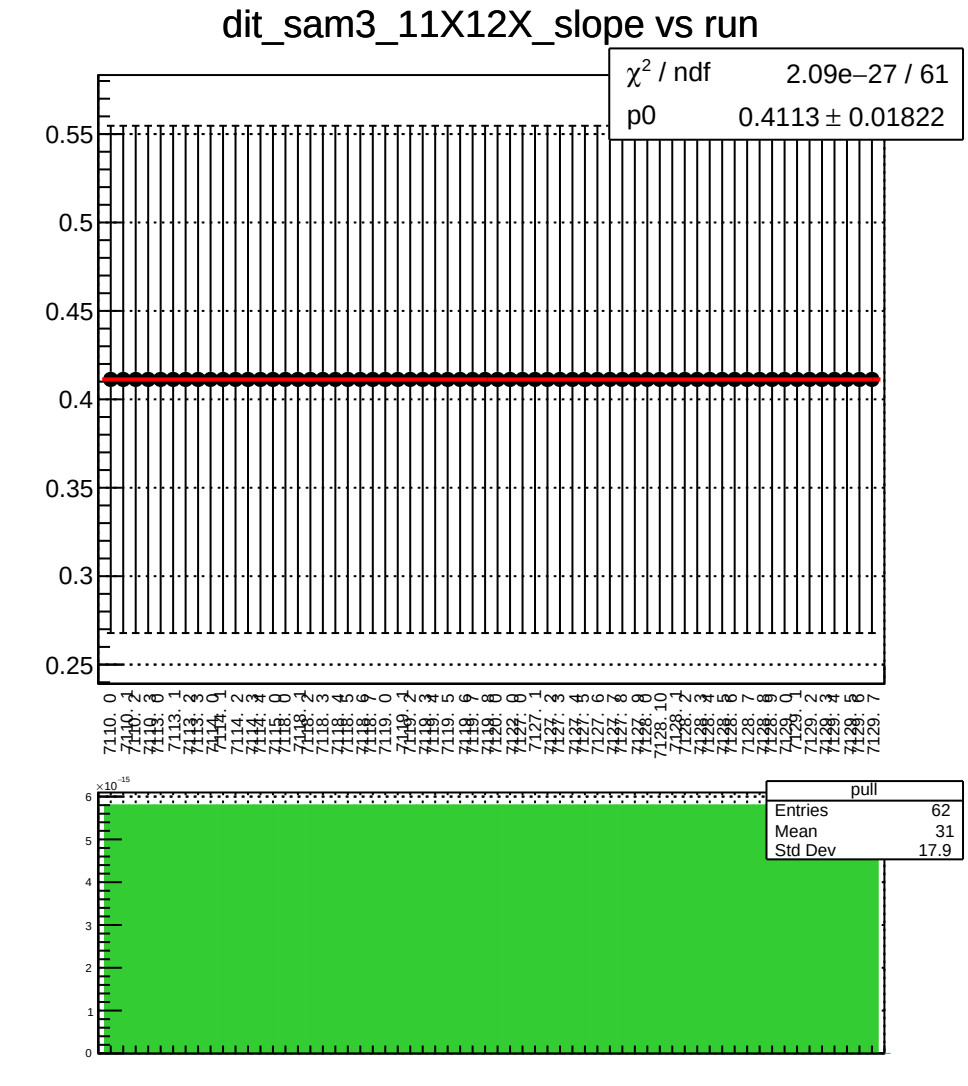

dit_sam2_4eY_slope vs run
χ² / ndf 2.373e−25 / 61
p0 −192.6 ± 0.5251
−188
−189
−190
−191
−192
−193
−194
−195
−196
−197
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean 6.186e−14
Std Dev2.075e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

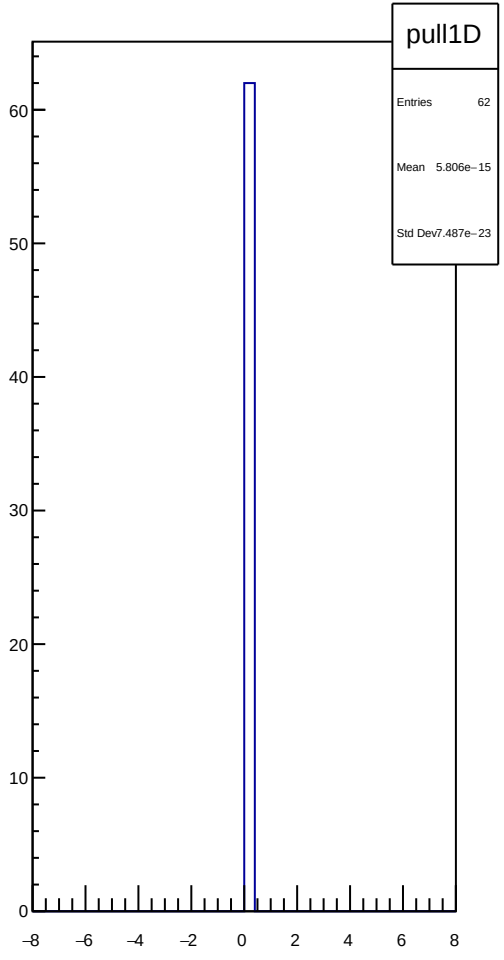

dit_sam3_4aX_slope vs run
χ² / ndf 1.193e−29 / 61
p0 −17.24 ± 1.029
pull
Entries 62
Mean 31
Std Dev 17.9

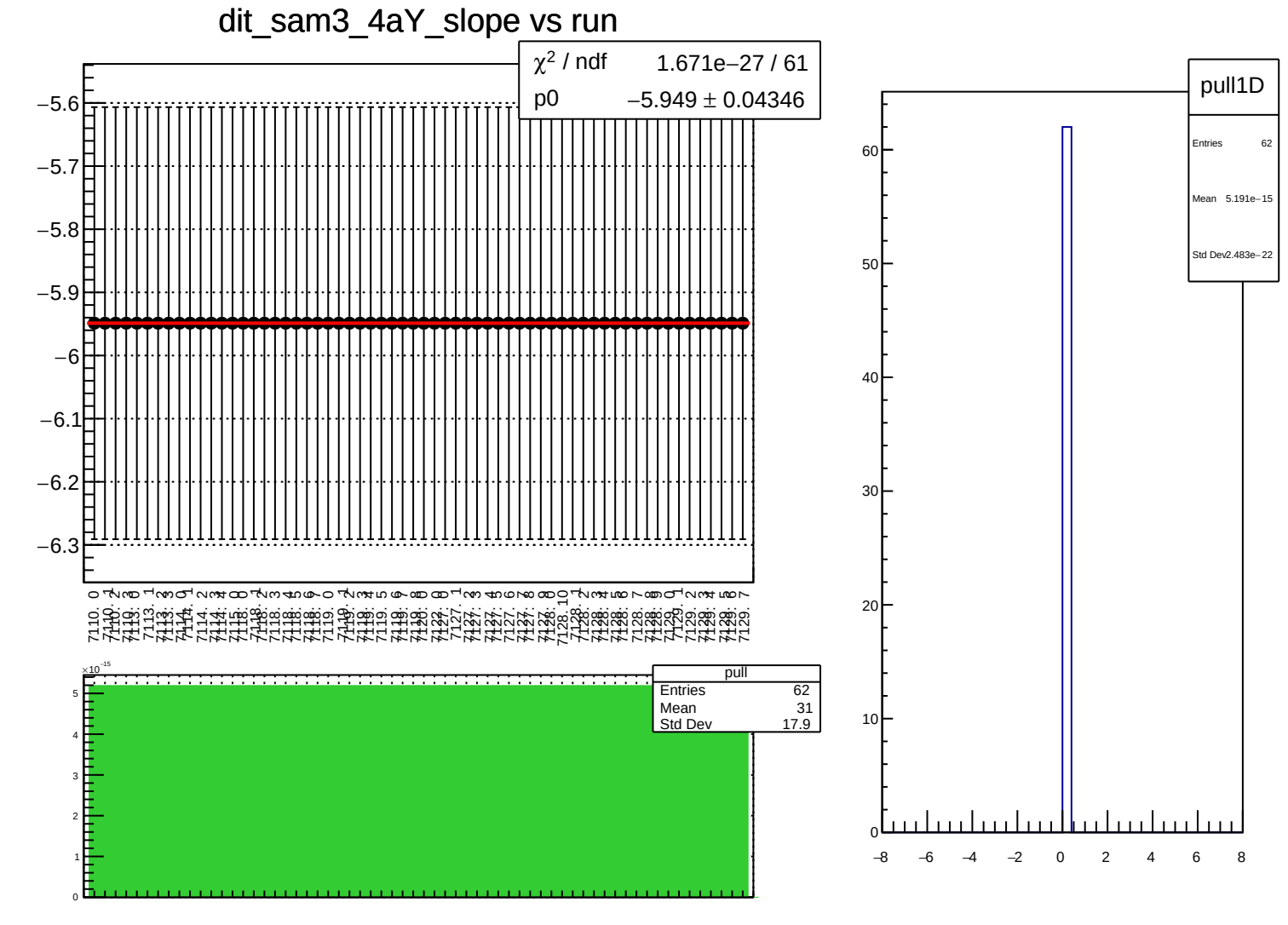

pull1D
Entries 62
Mean −4.387e−16
Std Dev1.985e−23

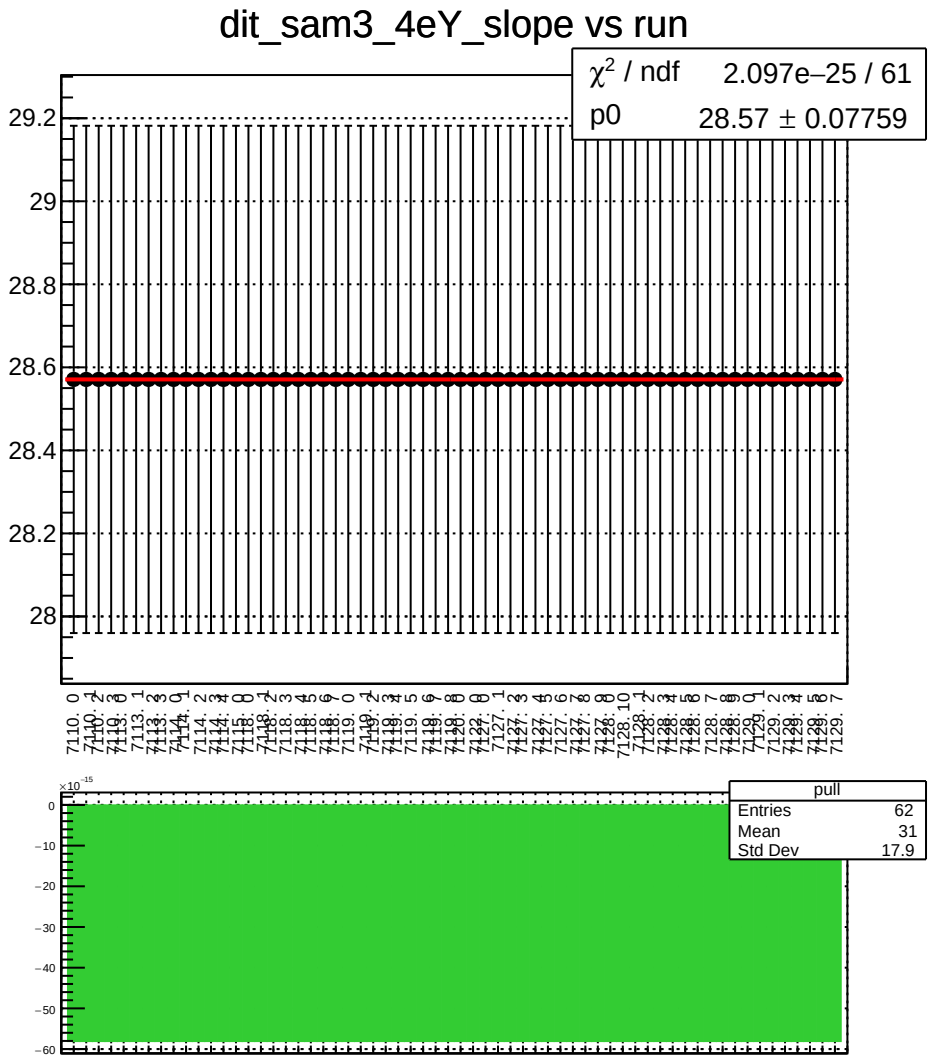

dit_sam3_4eX_slope vs run
χ² / ndf 1.514e−26 / 61
p0 −70.82 ± 1.155
pull
Entries 62
Mean 31
Std Dev 17.9

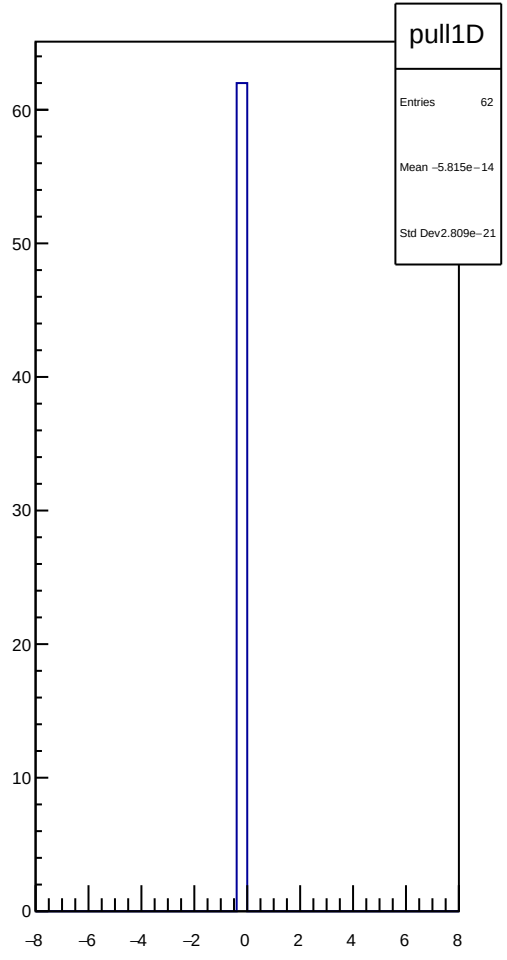

pull1D
Entries 62
Mean −1.563e−14
Std Dev7.923e−22

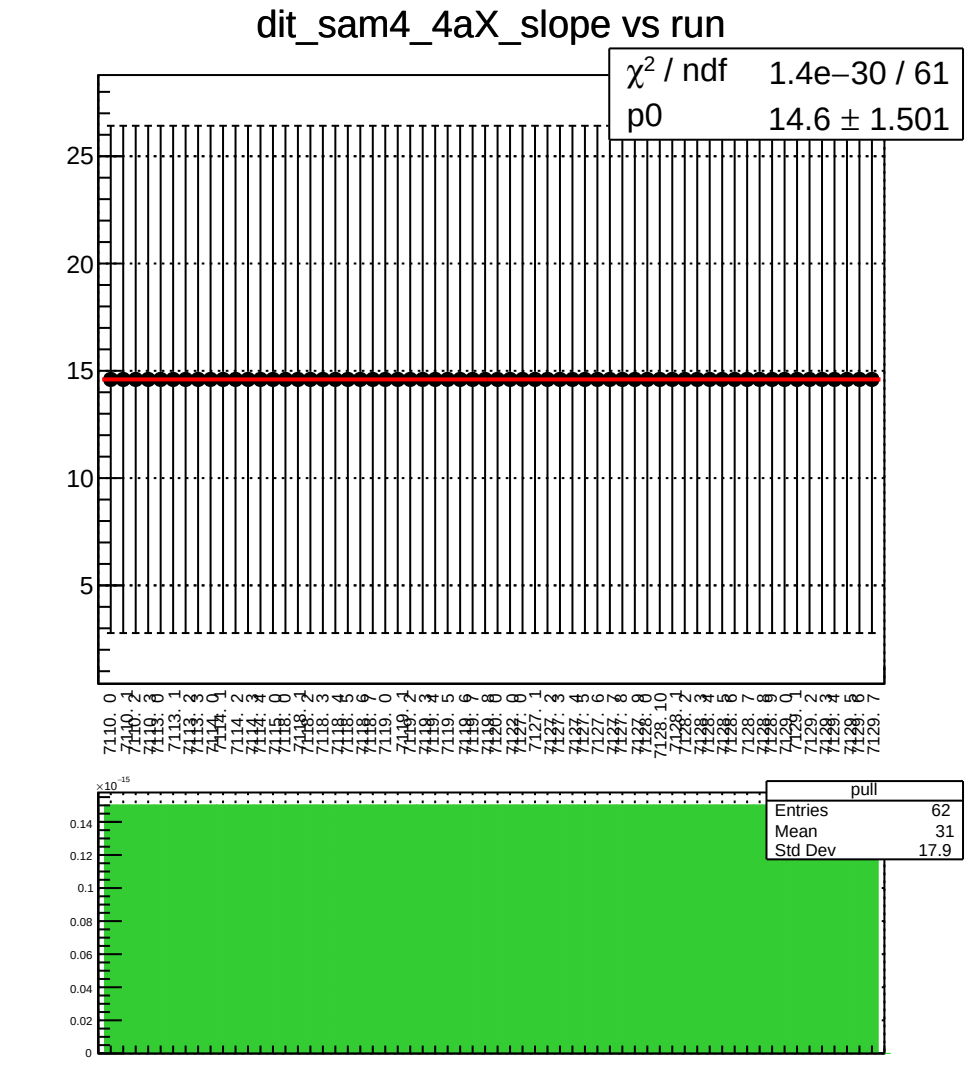

dit_sam3_11X12X_slope vs run
χ² / ndf 2.09e−27 / 61
p0 0.4113 ± 0.01822
0.55
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
6
5
4
3
2
1
0

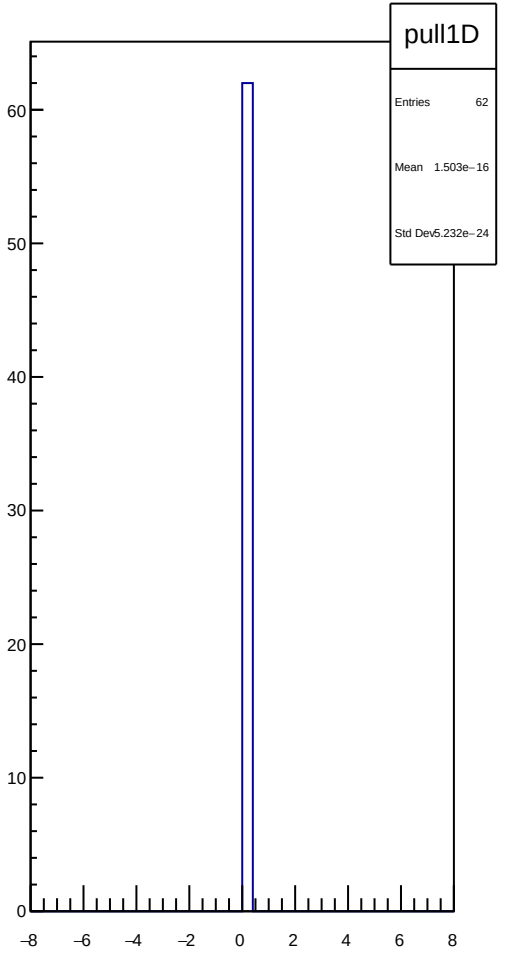

pull1D
Entries 62
Mean 5.806e−15
Std Dev7.487e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

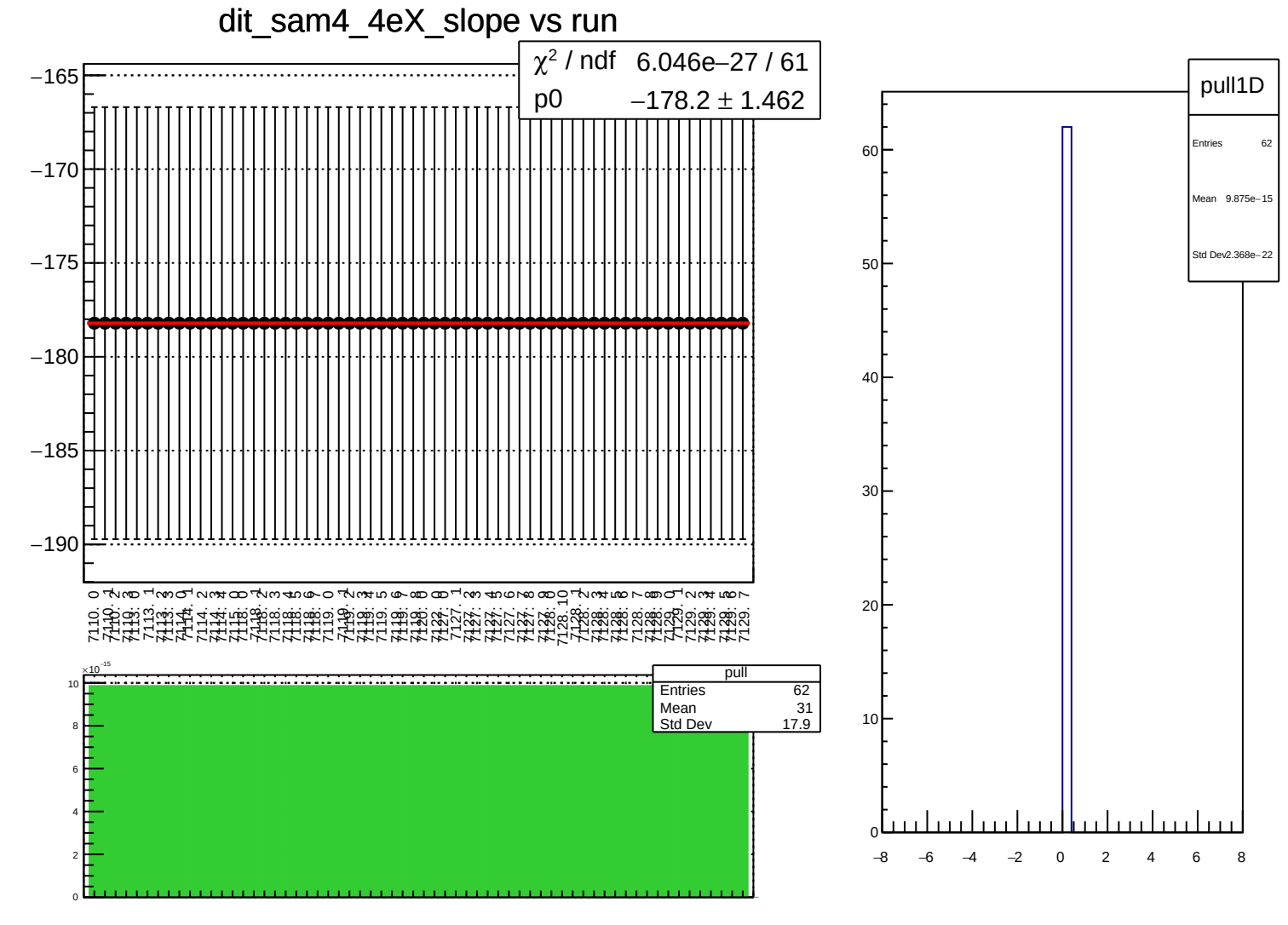

dit_sam3_4aY_slope vs run
χ² / ndf 1.671e−27 / 61
p0 −5.949 ± 0.04346
−5.6
−5.7
−5.8
−5.9
−6
−6.1
−6.2
−6.3
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean 5.191e−15
Std Dev2.483e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

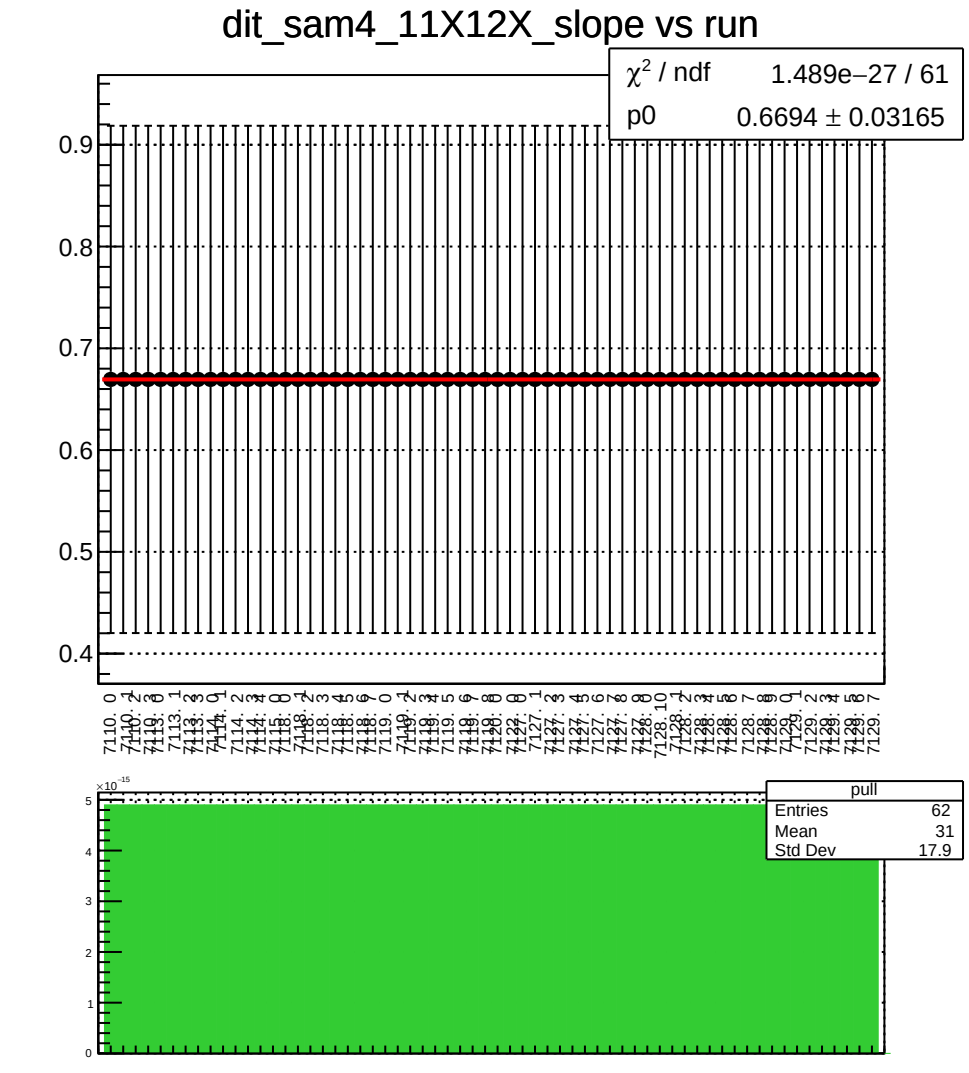

dit_sam3_4eY_slope vs run
χ² / ndf 2.097e−25 / 61
p0 28.57 ± 0.07759
29.2
29
28.8
28.6
28.4
28.2
28
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

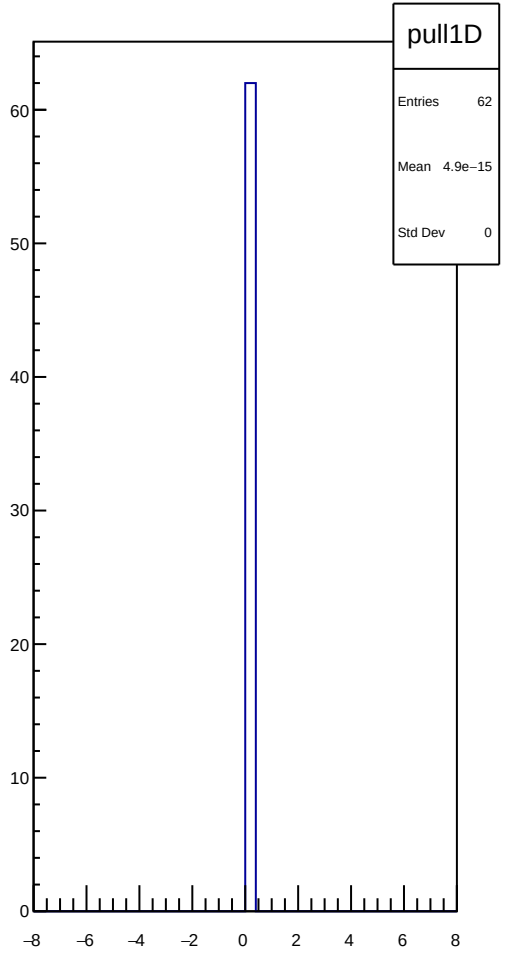

pull1D
Entries 62
Mean −5.815e−14
Std Dev2.809e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

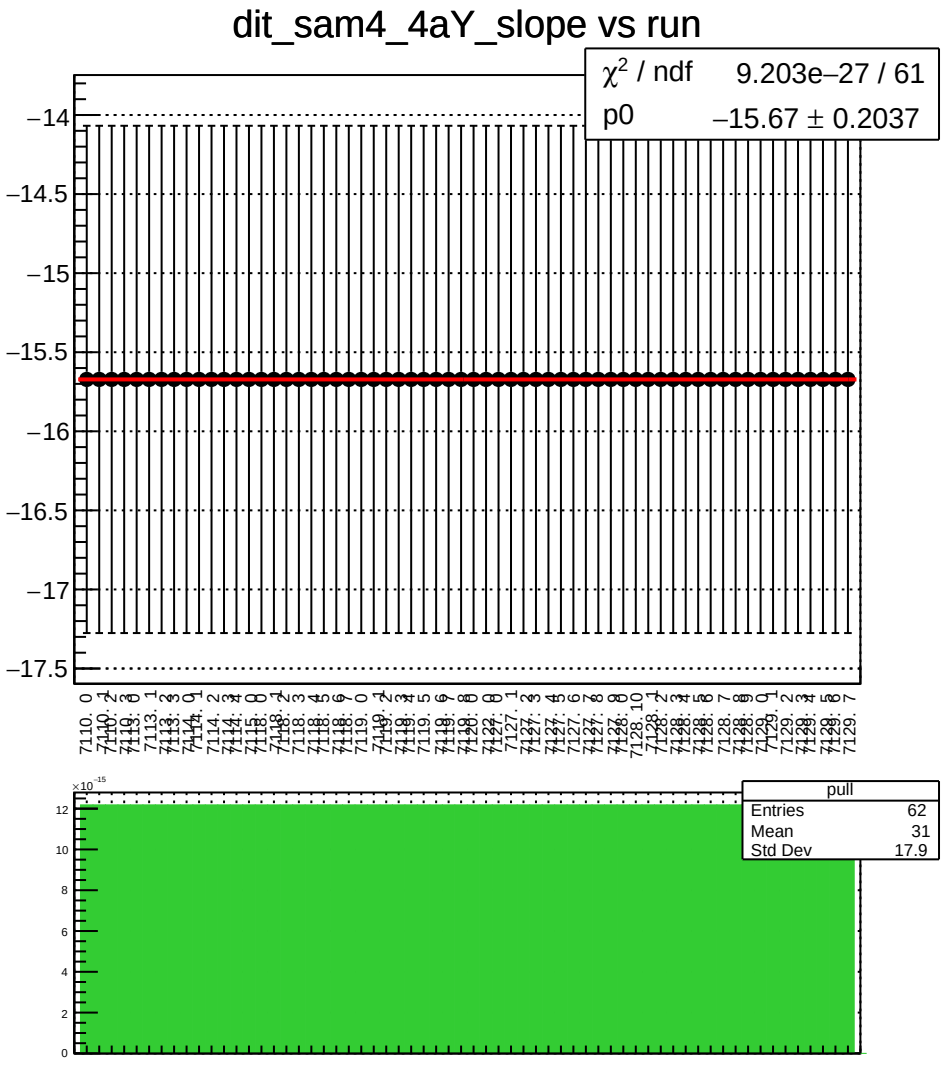

dit_sam4_4aX_slope vs run
χ² / ndf 1.4e−30 / 61
p0 14.6 ± 1.501
pull
Entries 62
Mean 31
Std Dev 17.9

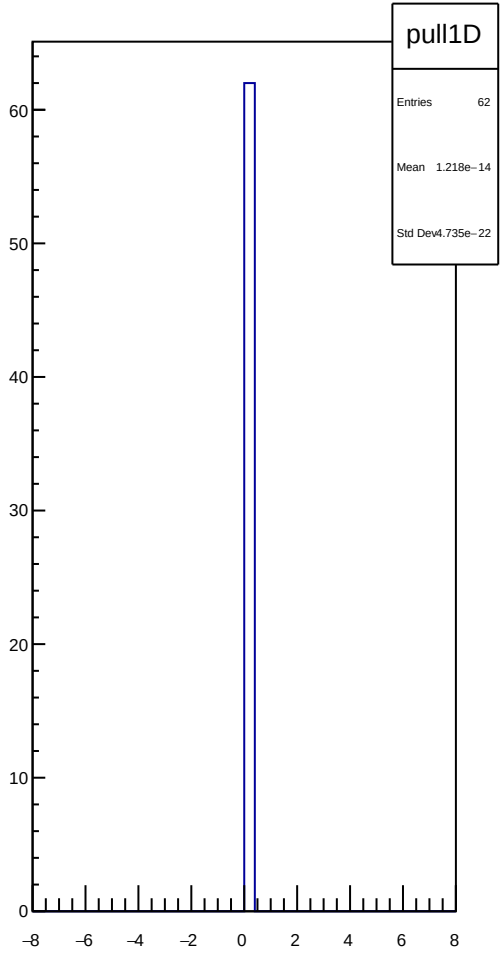

pull1D
Entries 62
Mean 1.503e−16
Std Dev5.232e−24

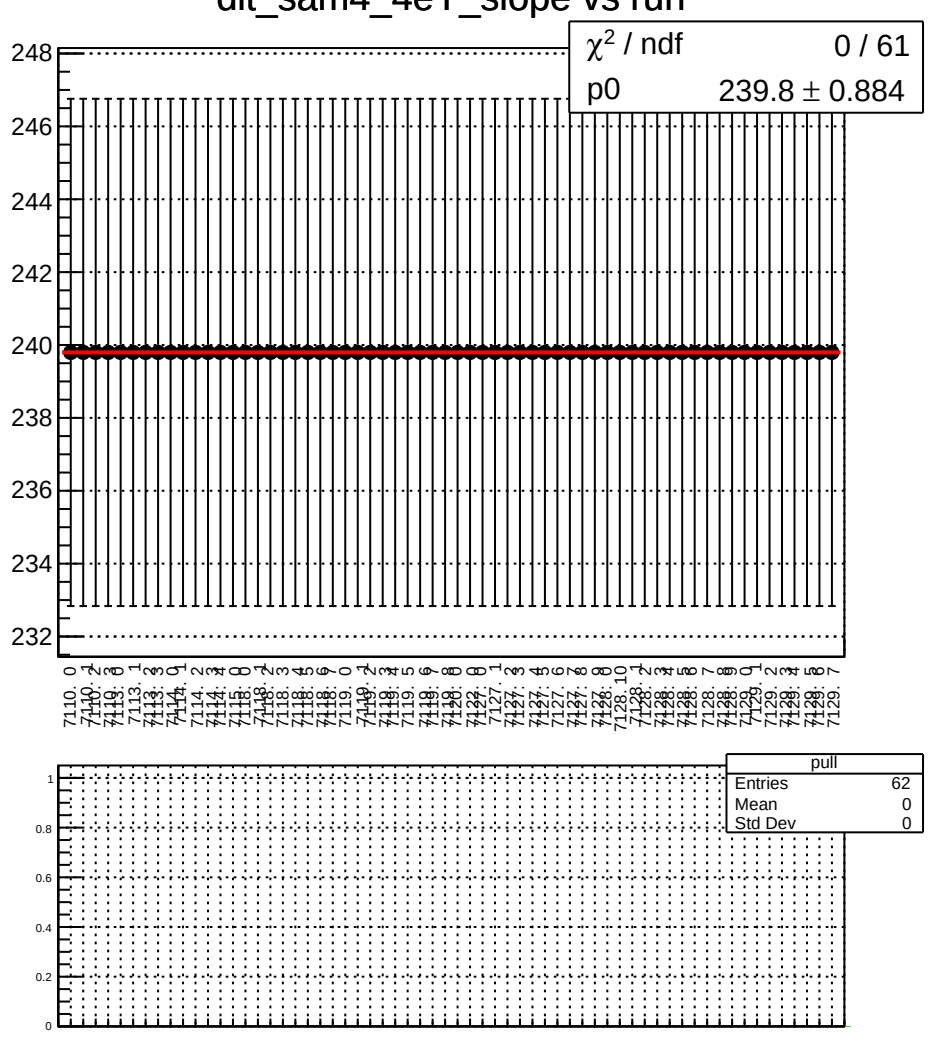

dit_sam4_4eX_slope vs run
χ² / ndf 6.046e−27 / 61
p0 −178.2 ± 1.462
−165
−170
−175
−180
−185
−190
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean 9.875e−15
Std Dev 2.368e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

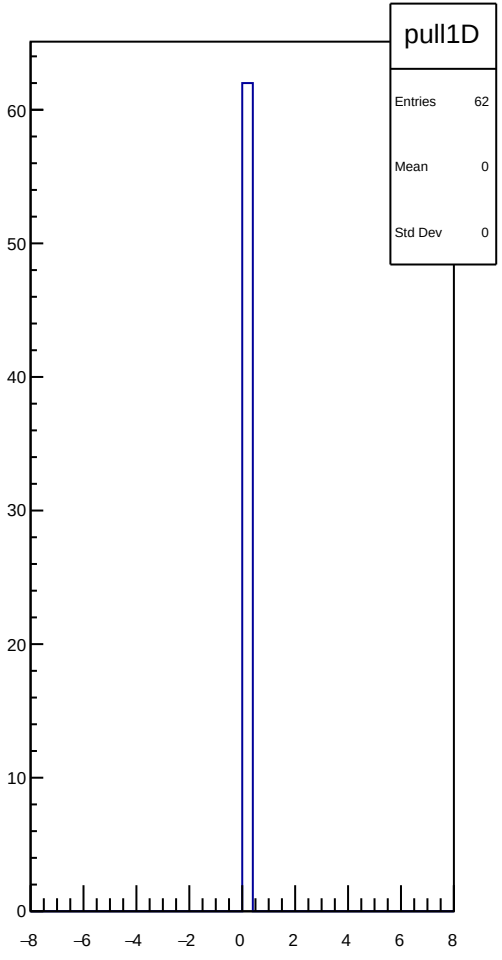

dit_sam4_11X12X_slope vs run
χ² / ndf 1.489e−27 / 61
p0 0.6694 ± 0.03165
pull
Entries 62
Mean 31
Std Dev 17.9

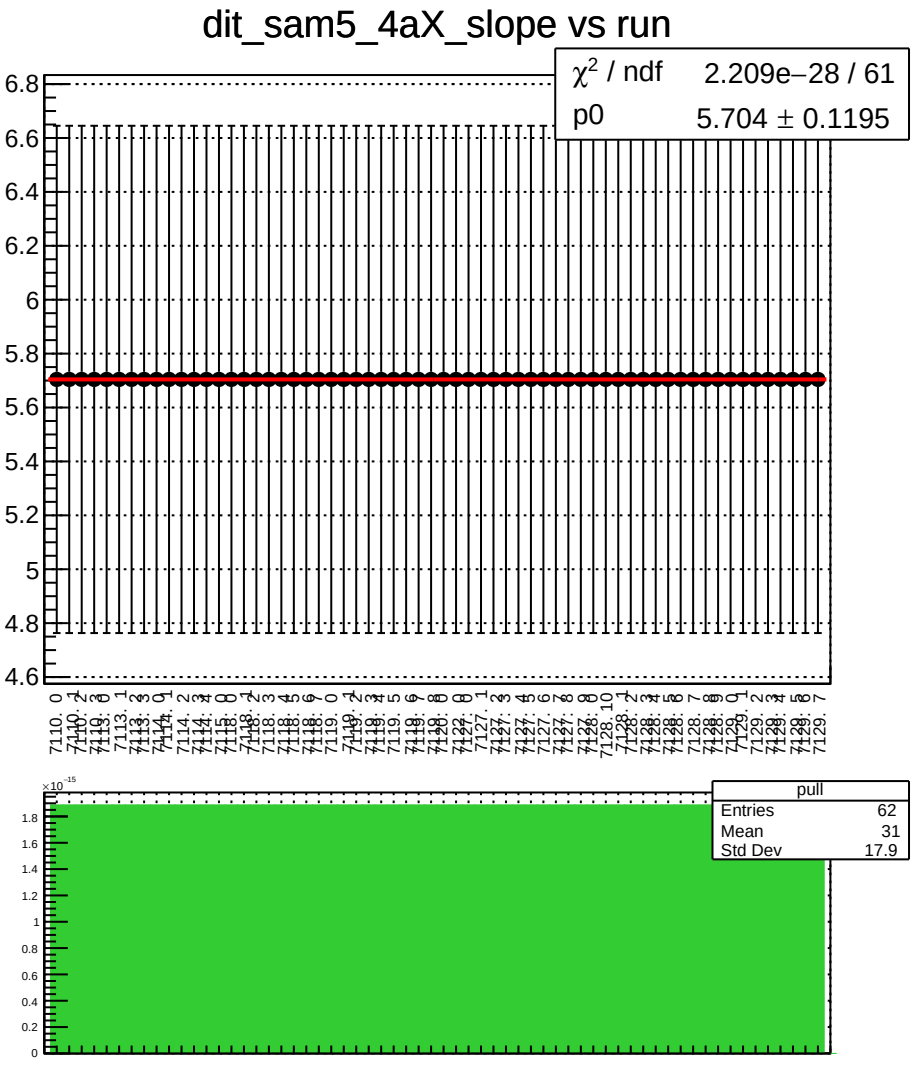

pull1D
Entries 62
Mean 4.9e−15
Std Dev 0

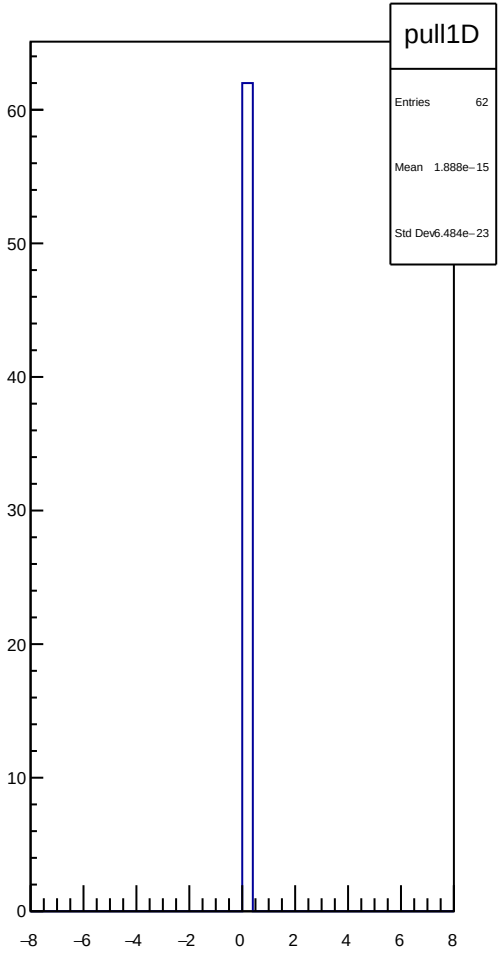

dit_sam4_4aY_slope vs run
χ² / ndf 9.203e−27 / 61
p0 −15.67 ± 0.2037
−14
−14.5
−15
−15.5
−16
−16.5
−17
−17.5
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
12
10
8
6
4
2
0

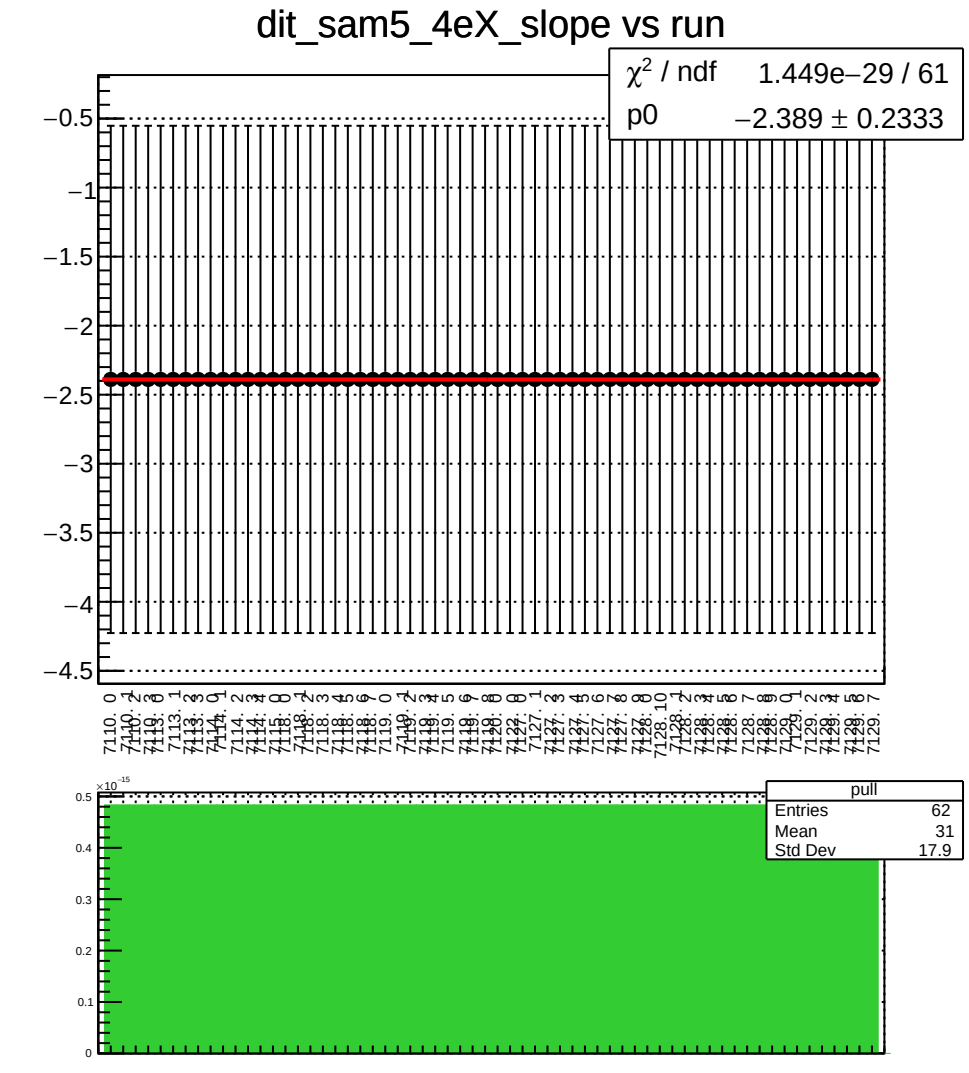

pull1D
Entries 62
Mean 1.218e−14
Std Dev 4.735e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

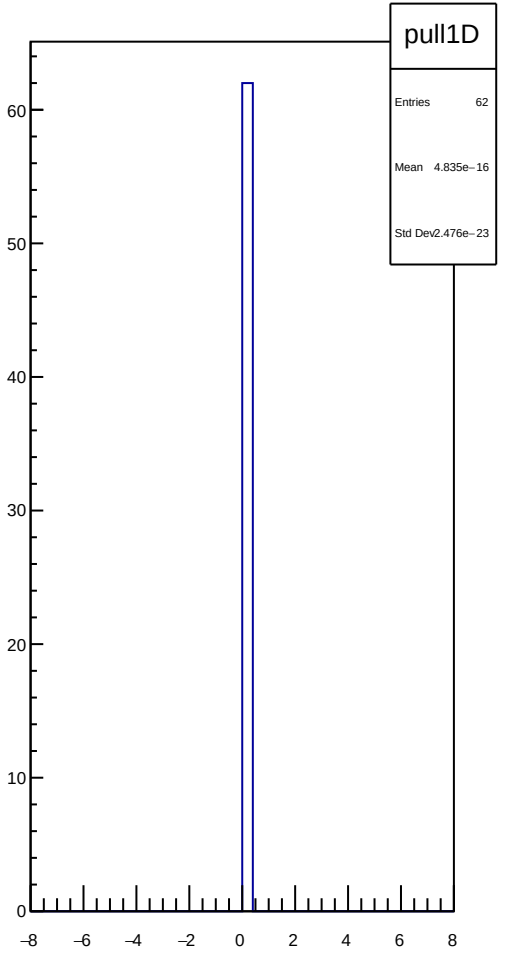

dit_sam4_4eY_slope vs run
χ^2 / ndf 0 / 61
p0 239.8 ± 0.884
248
246
244
242
240
238
236
234
232
pull
Entries 62
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

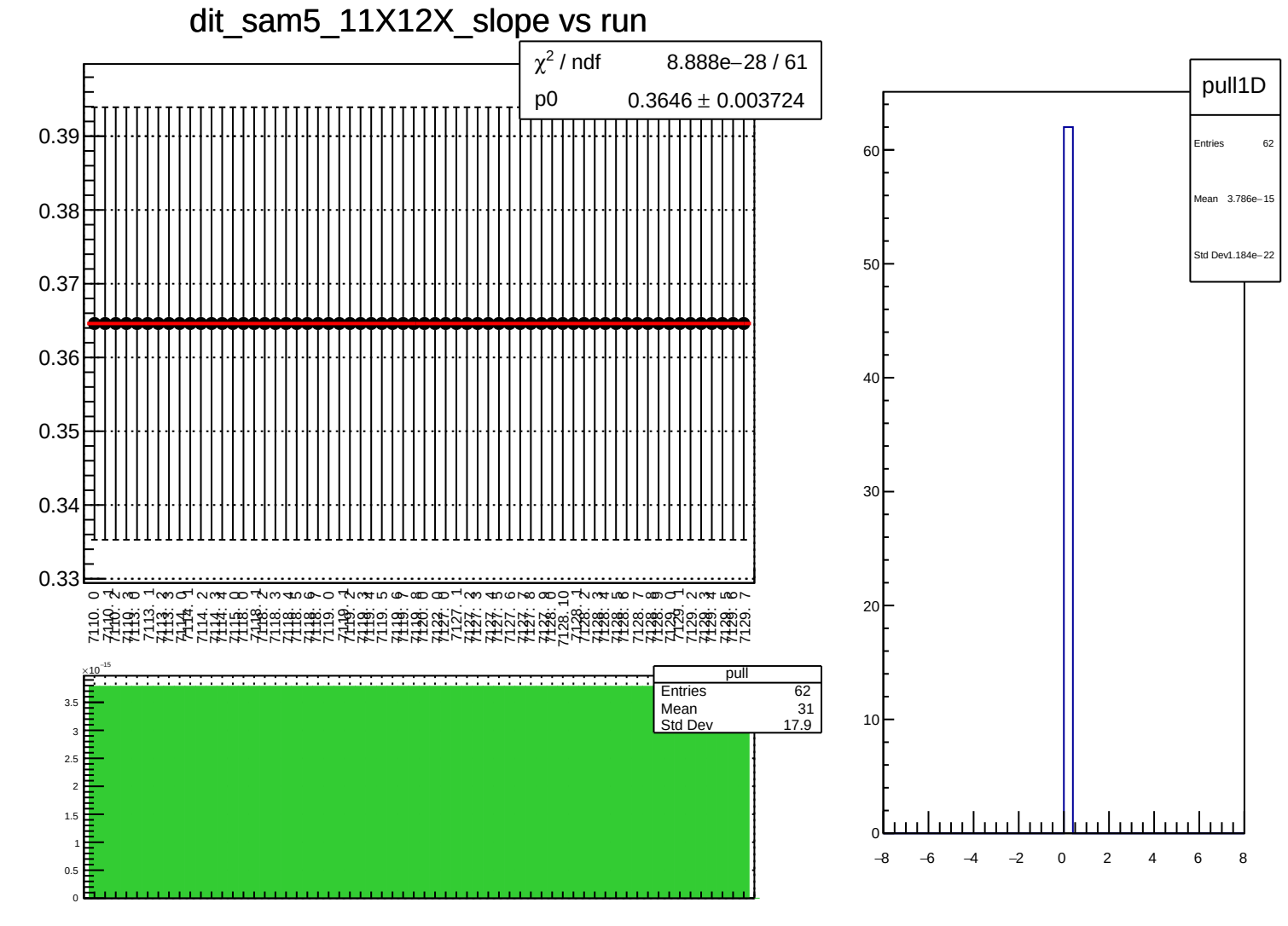

pull1D
Entries 62
Mean 0
Std Dev 0
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

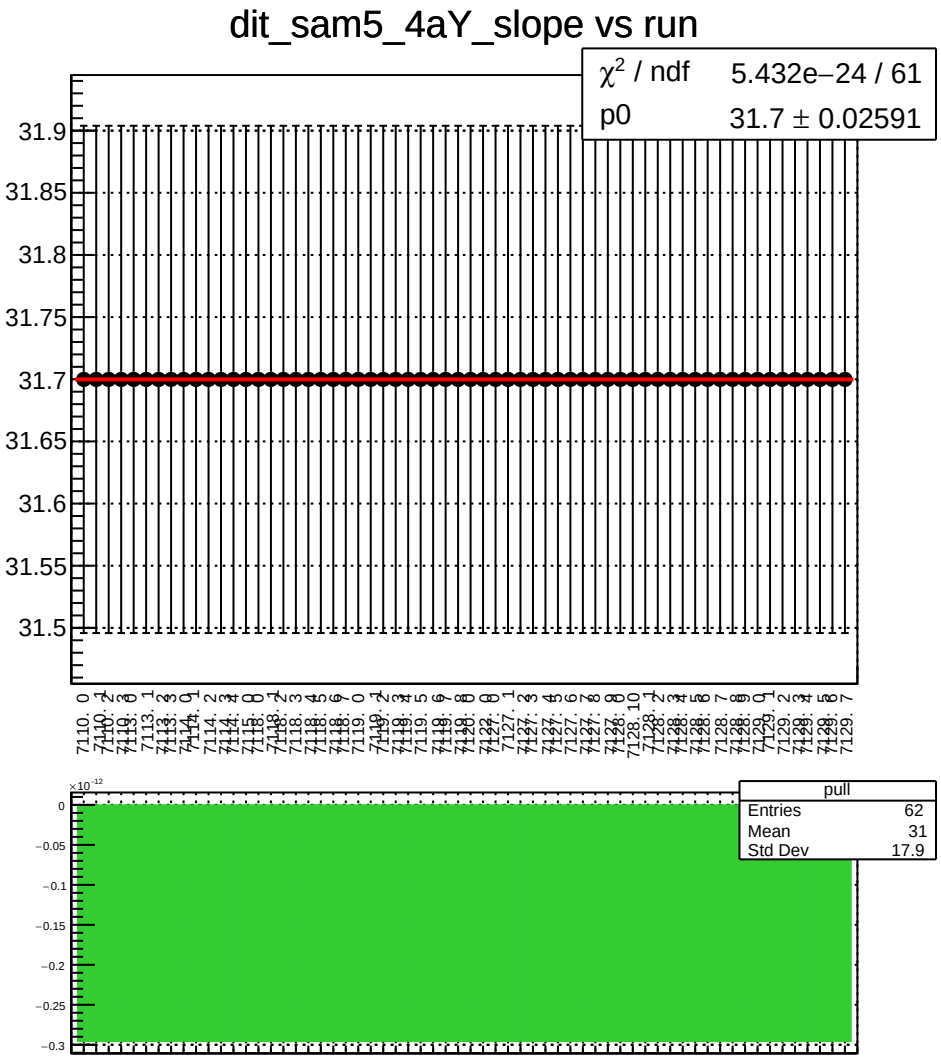

dit_sam5_4aX_slope vs run
χ² / ndf 2.209e−28 / 61
p0 5.704 ± 0.1195
pull
Entries 62
Mean 31
Std Dev 17.9

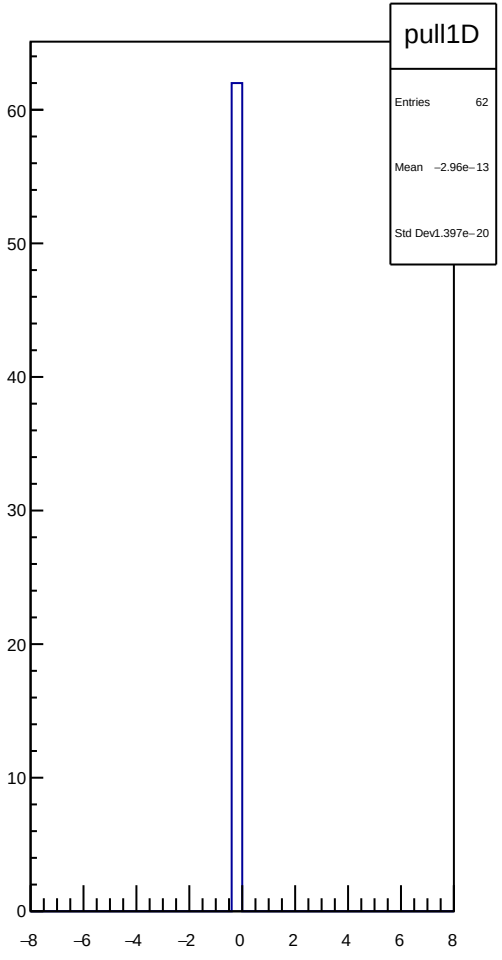

pull1D
Entries 62
Mean 1.888e−15
Std Dev 6.484e−23

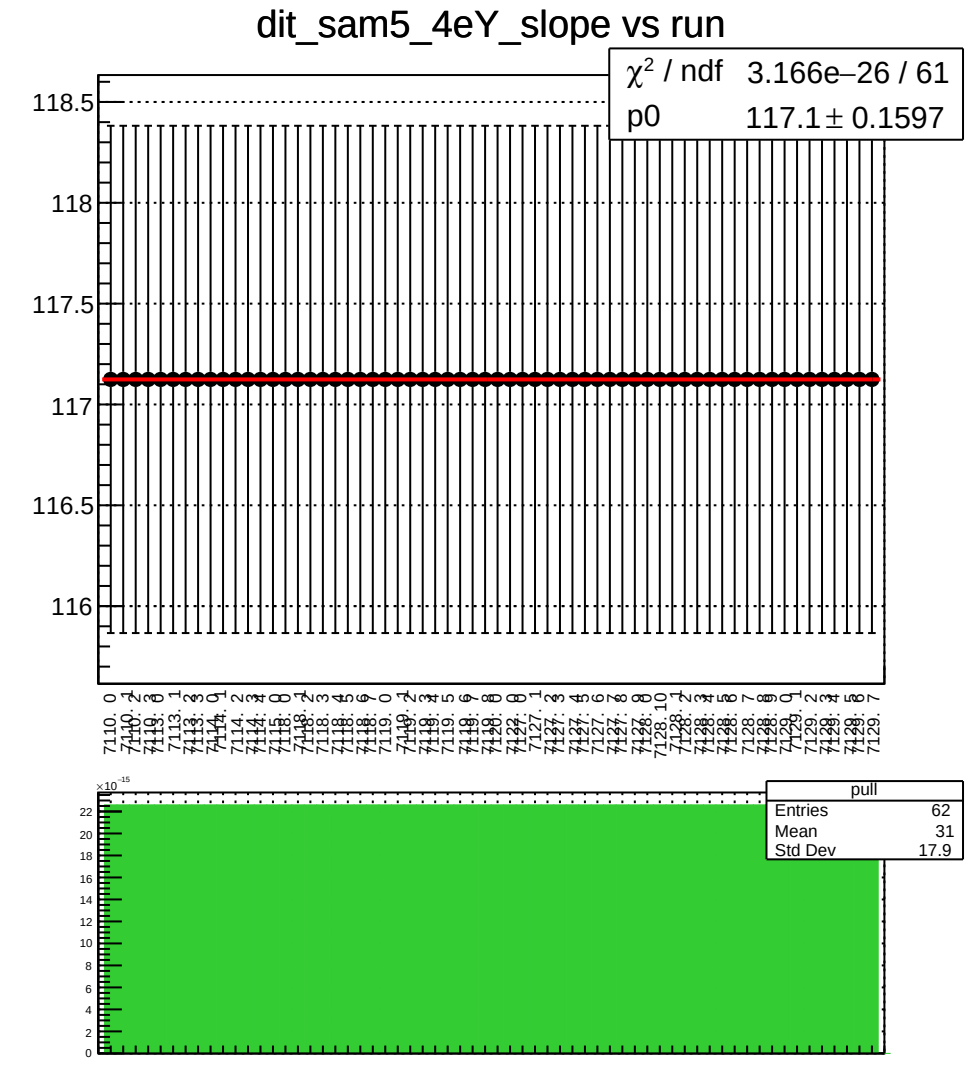

dit_sam5_4eX_slope vs run
χ² / ndf 1.449e−29 / 61
p0 −2.389 ± 0.2333
pull
Entries 62
Mean 31
Std Dev 17.9

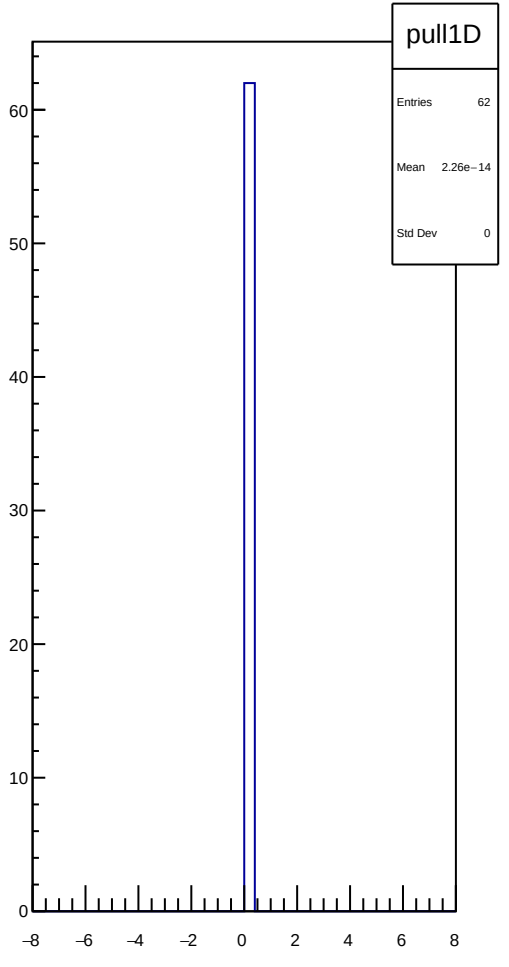

pull1D
Entries 62
Mean 4.835e−16
Std Dev 2.476e−23

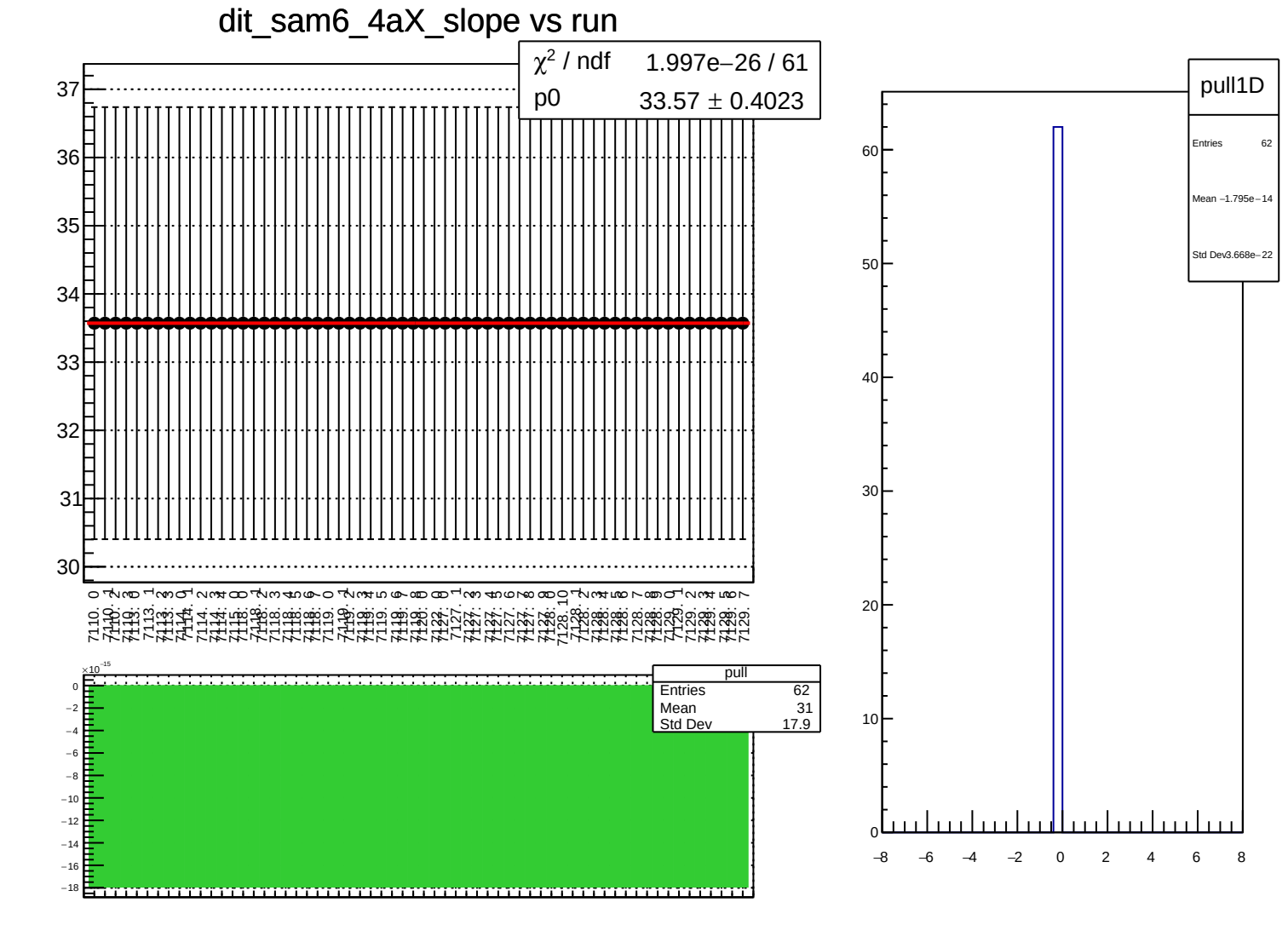

dit_sam5_11X12X_slope vs run
χ² / ndf 8.888e−28 / 61
p0 0.3646 ± 0.003724
0.39
0.38
0.37
0.36
0.35
0.34
0.33
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 62
Mean 3.786e−15
Std Dev1.184e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

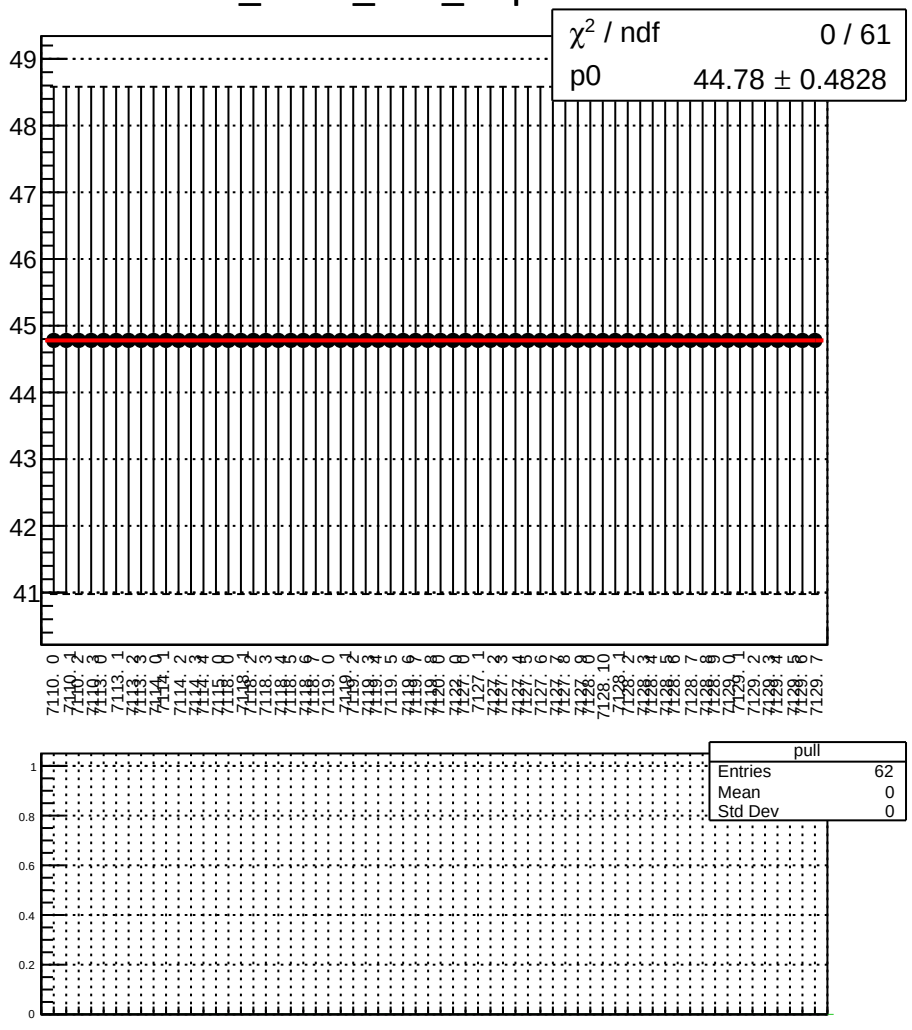

dit_sam5_4aY_slope vs run
χ² / ndf 5.432e−24 / 61
p0 31.7 ± 0.02591
pull
Entries 62
Mean 31
Std Dev 17.9

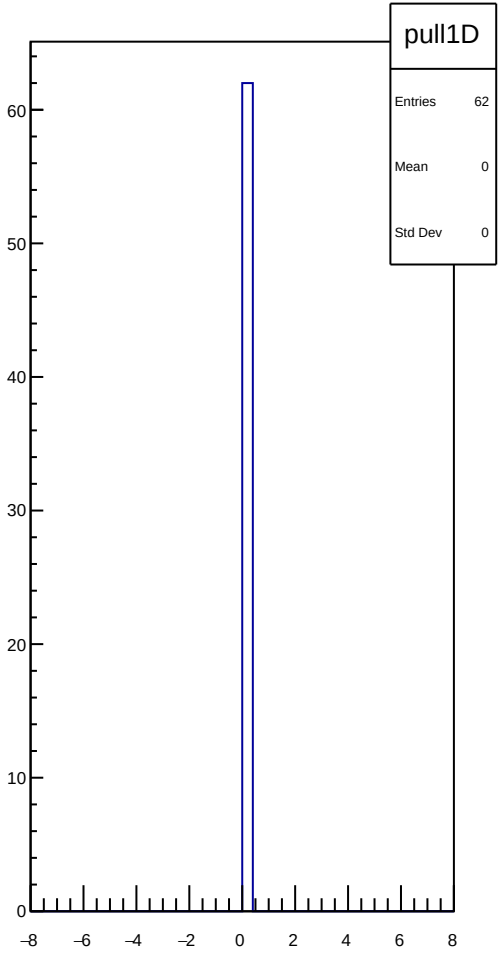

pull1D
Entries 62
Mean −2.96e−13
Std Dev1.397e−20

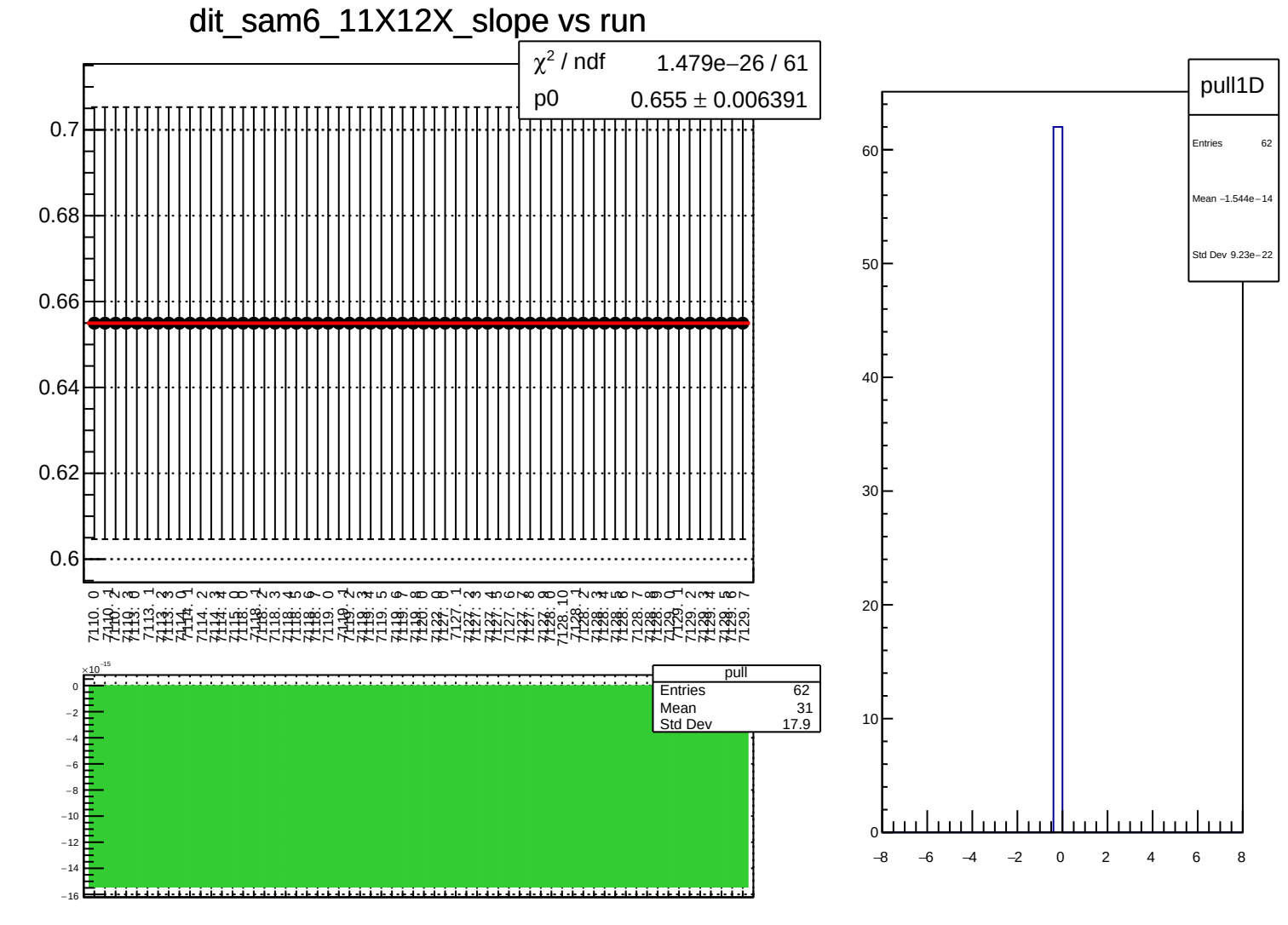

dit_sam5_4eY_slope vs run
χ^2 / ndf 3.166e−26 / 61
p0 117.1 ± 0.1597
118.5
118
117.5
117
116.5
116
pull
Entries 62
Mean 31
Std Dev 17.9
×10^-15
22
20
18
16
14
12
10
8
6
4
2
0

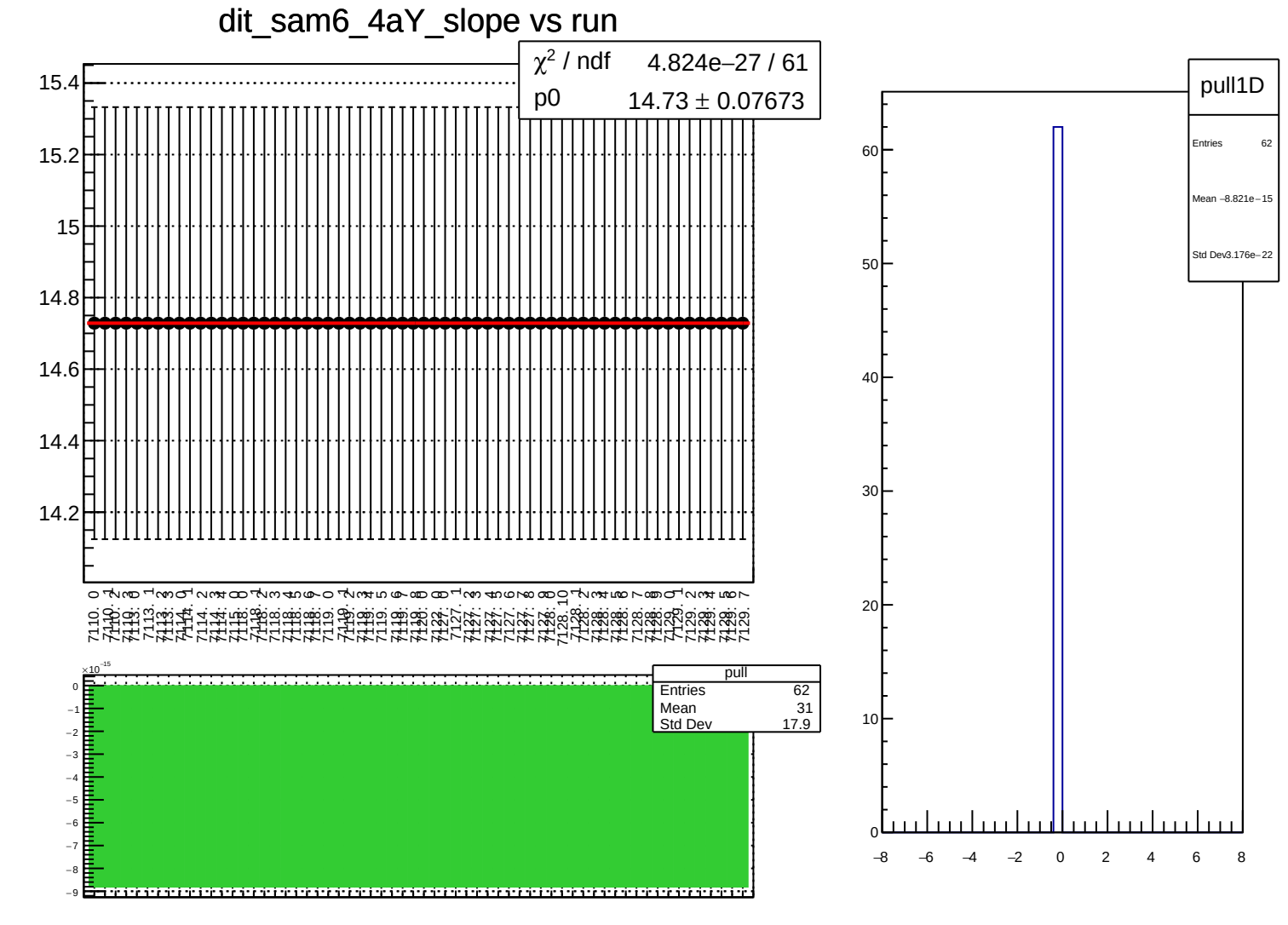

pull1D
Entries 62
Mean 2.26e−14
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

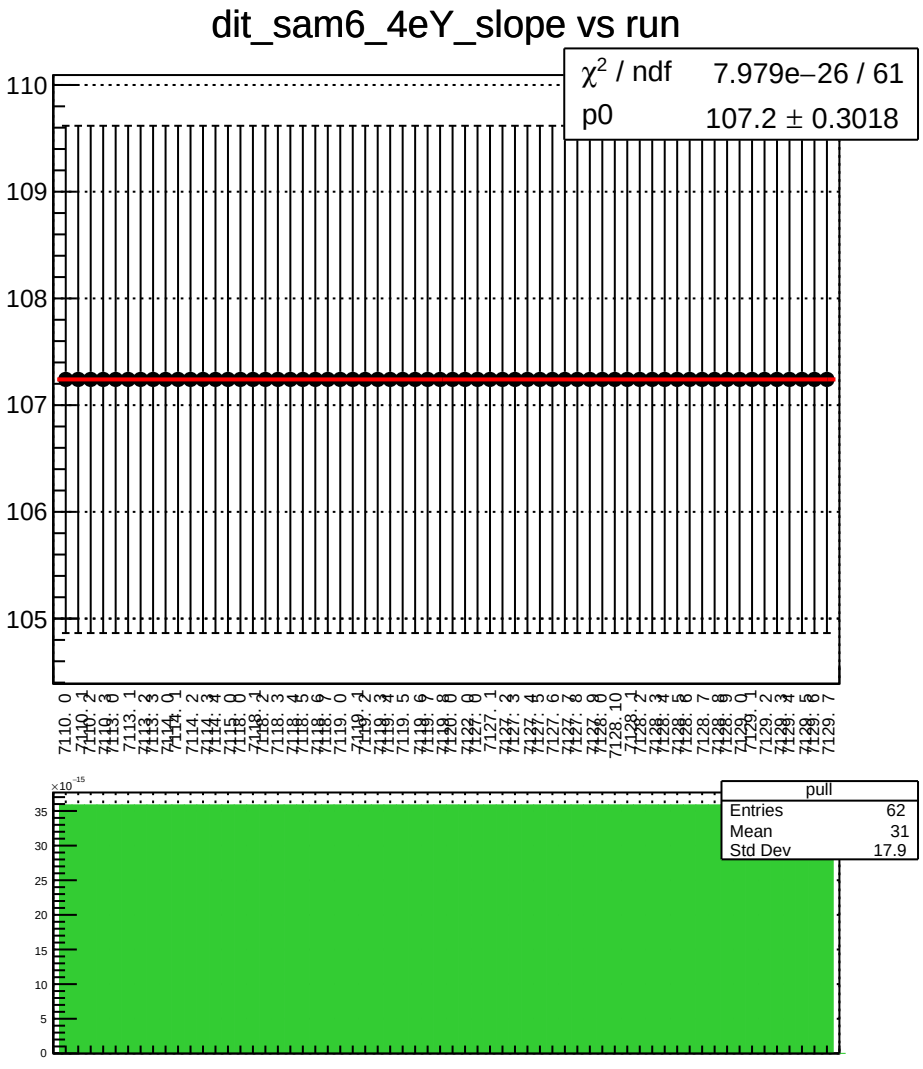

dit_sam6_4aX_slope vs run
χ² / ndf 1.997e−26 / 61
p0 33.57 ± 0.4023
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean −1.795e−14
Std Dev3.668e−22

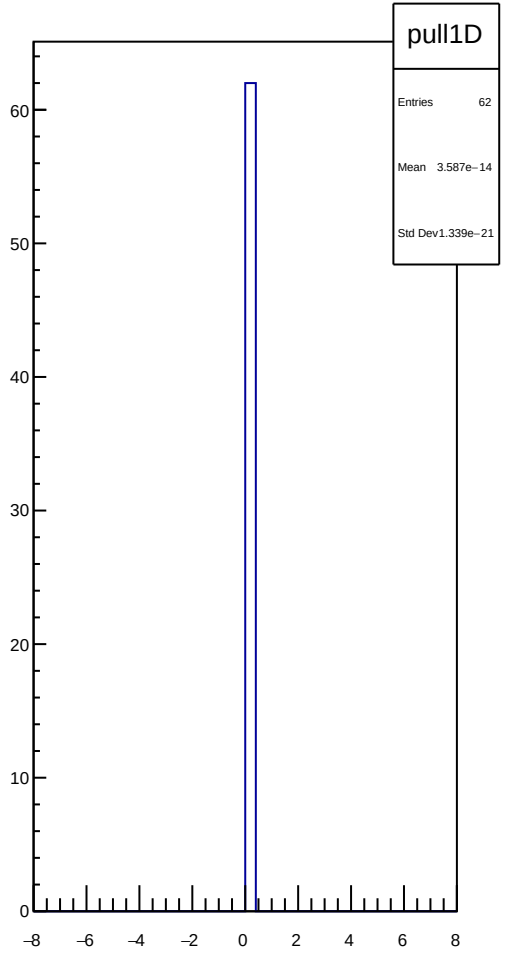

dit_sam6_4eX_slope vs run
χ² / ndf 0 / 61
p0 44.78 ± 0.4828
pull
Entries 62
Mean 0
Std Dev 0

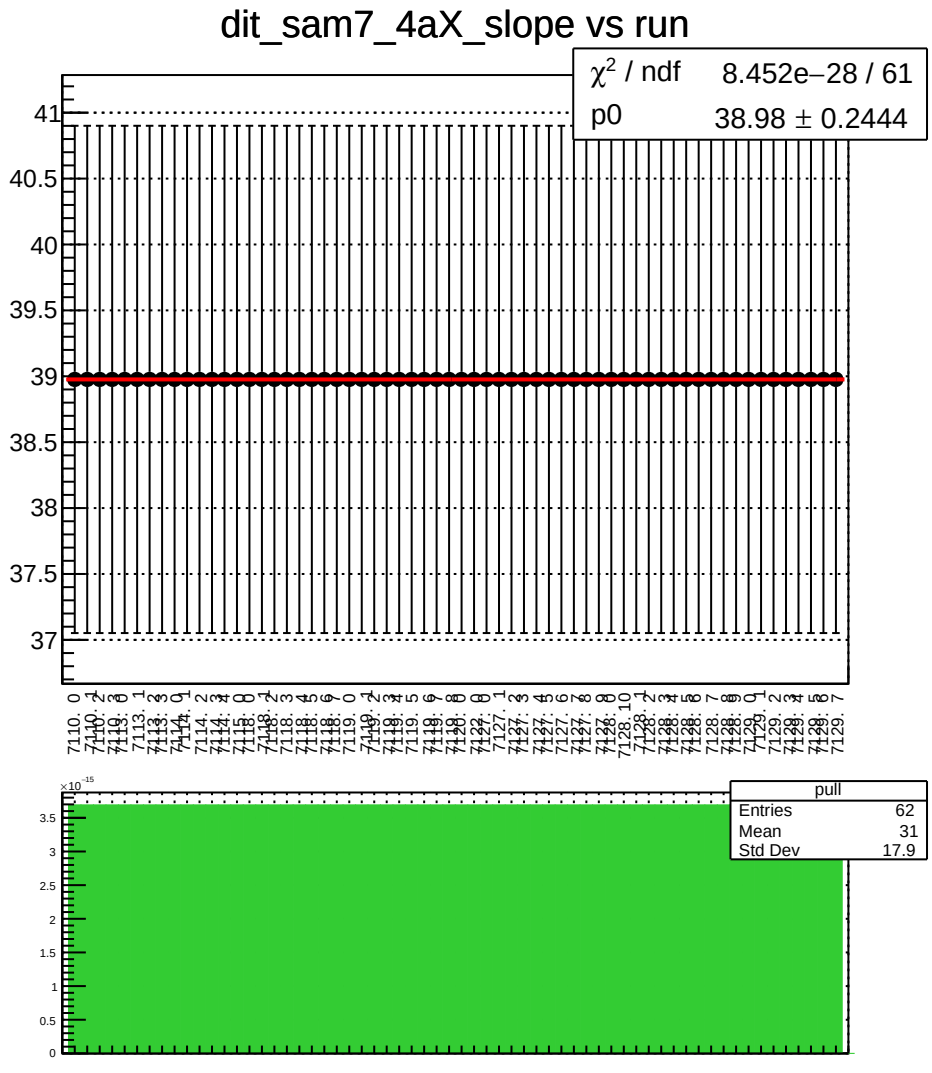

pull1D
Entries 62
Mean 0
Std Dev 0

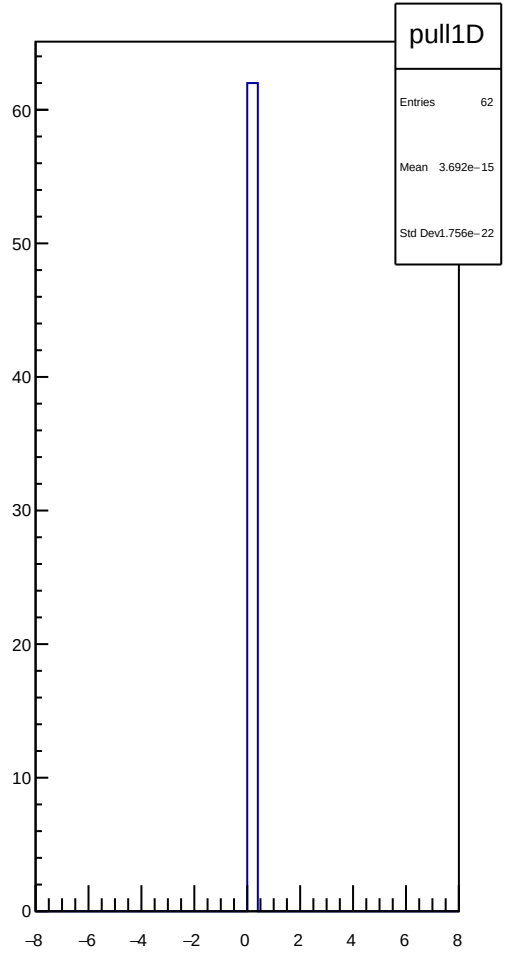

dit_sam6_11X12X_slope vs run
χ² / ndf 1.479e−26 / 61
p0 0.655 ± 0.006391
0.7
0.68
0.66
0.64
0.62
0.6
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 62
Mean −1.544e−14
Std Dev 9.23e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

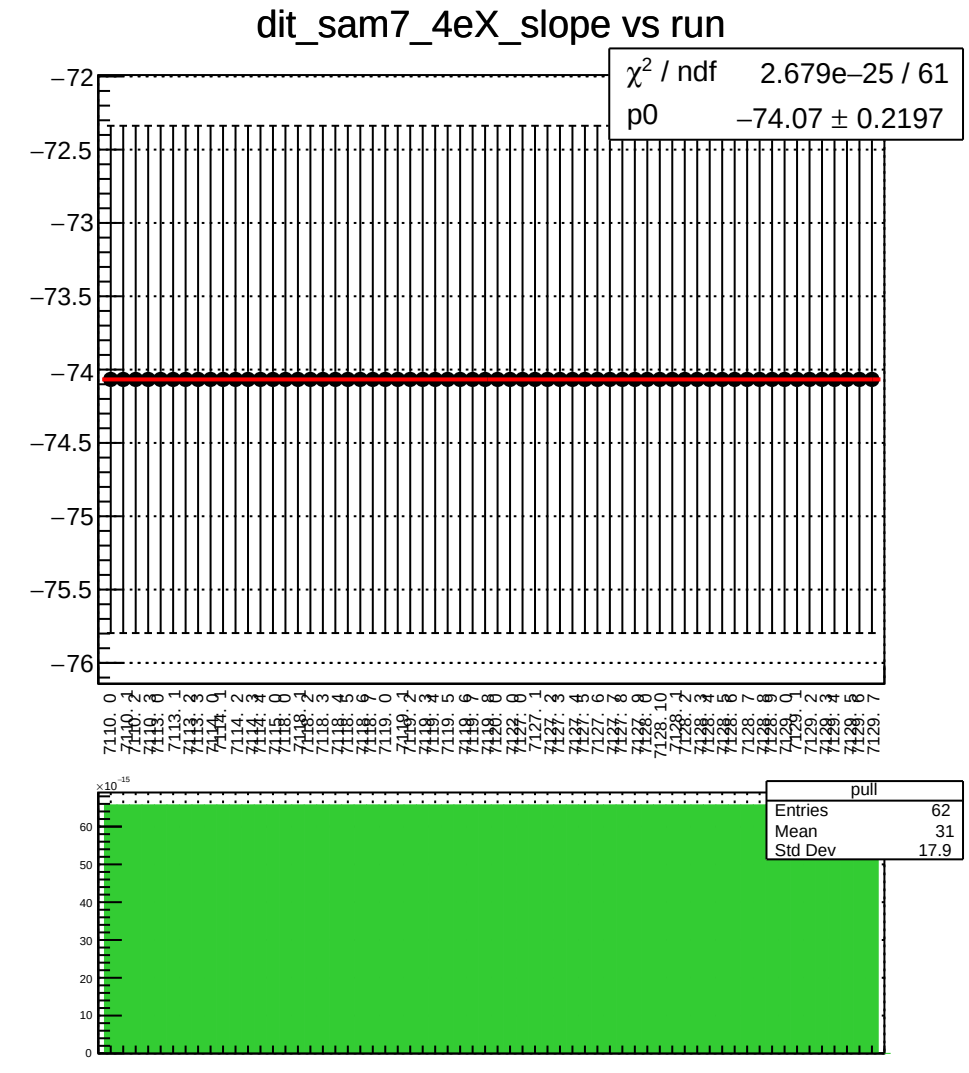

dit_sam6_4aY_slope vs run
χ² / ndf 4.824e−27 / 61
p0 14.73 ± 0.07673
15.4
15.2
15
14.8
14.6
14.4
14.2
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
pull1D
Entries 62
Mean −8.821e−15
Std Dev3.176e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

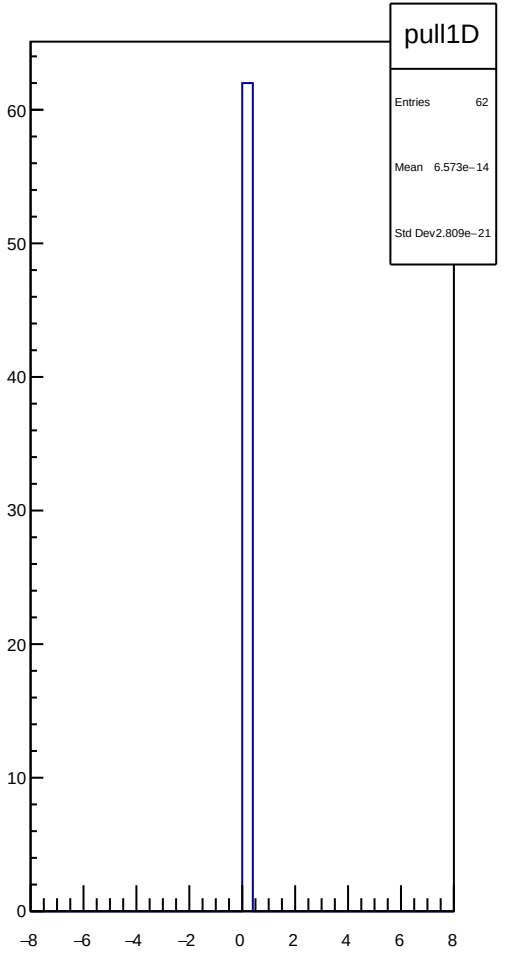

dit_sam6_4eY_slope vs run
χ² / ndf 7.979e−26 / 61
p0 107.2 ± 0.3018
110
109
108
107
106
105
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
35
30
25
20
15
10
5
0

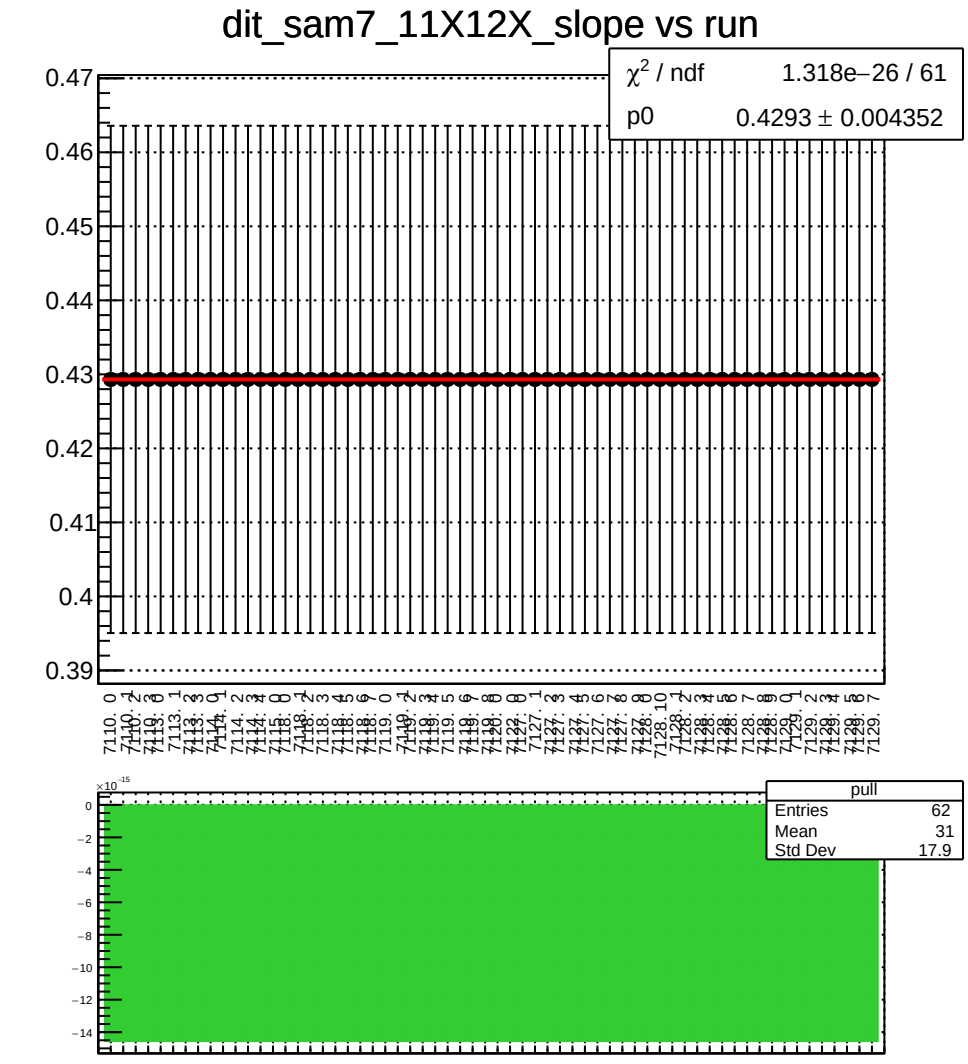

pull1D
Entries 62
Mean 3.587e−14
Std Dev1.339e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

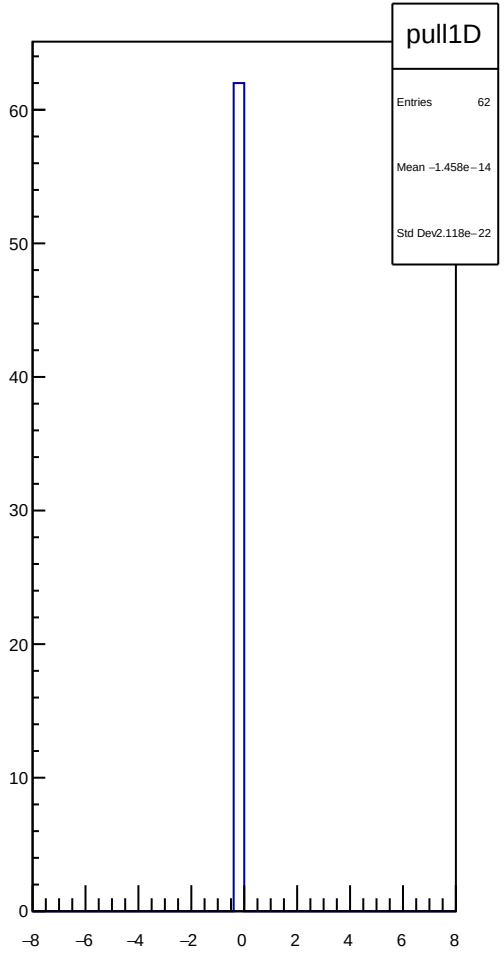

dit_sam7_4aX_slope vs run
χ² / ndf 8.452e−28 / 61
p0 38.98 ± 0.2444
pull
Entries 62
Mean 31
Std Dev 17.9

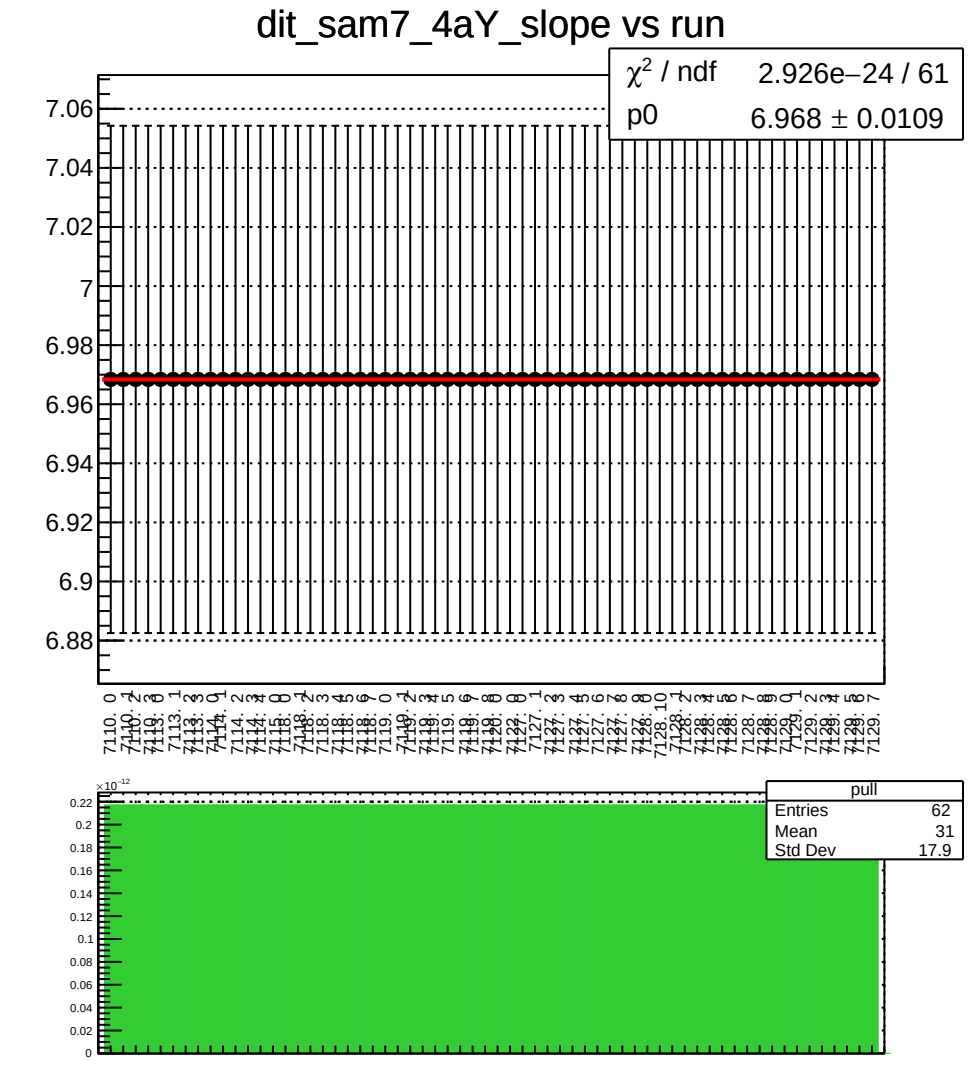

pull1D
Entries 62
Mean 3.692e−15
Std Dev1.756e−22

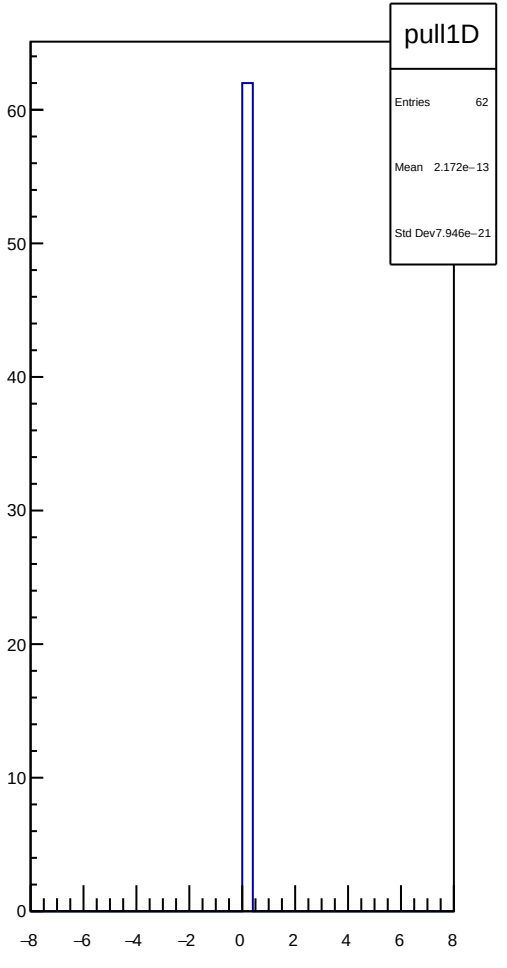

dit_sam7_4eX_slope vs run
χ² / ndf 2.679e−25 / 61
p0 −74.07 ± 0.2197
−72
−72.5
−73
−73.5
−74
−74.5
−75
−75.5
−76
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
10
20
30
40
50
60

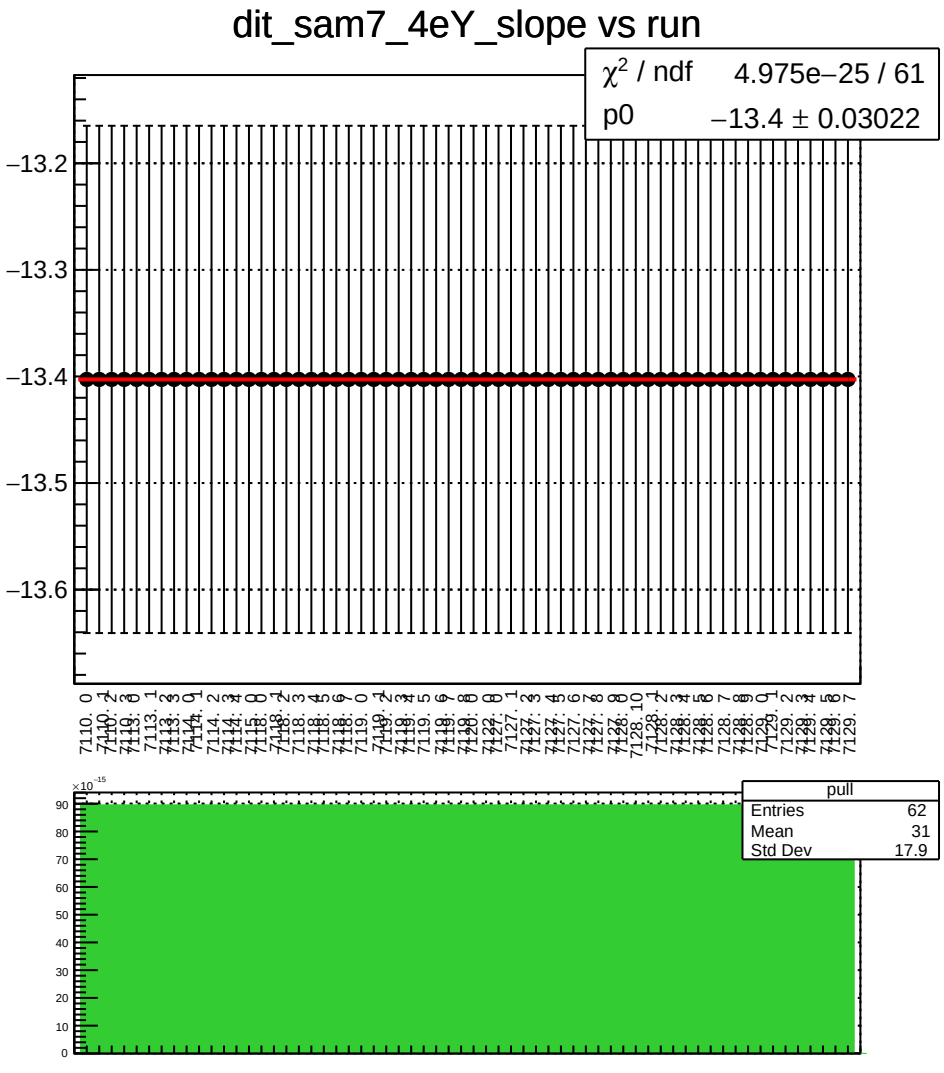

pull1D
Entries 62
Mean 6.573e−14
Std Dev2.809e−21
0
10
20
30
40
50
60
−8
−6
−4
−2
0
2
4
6
8

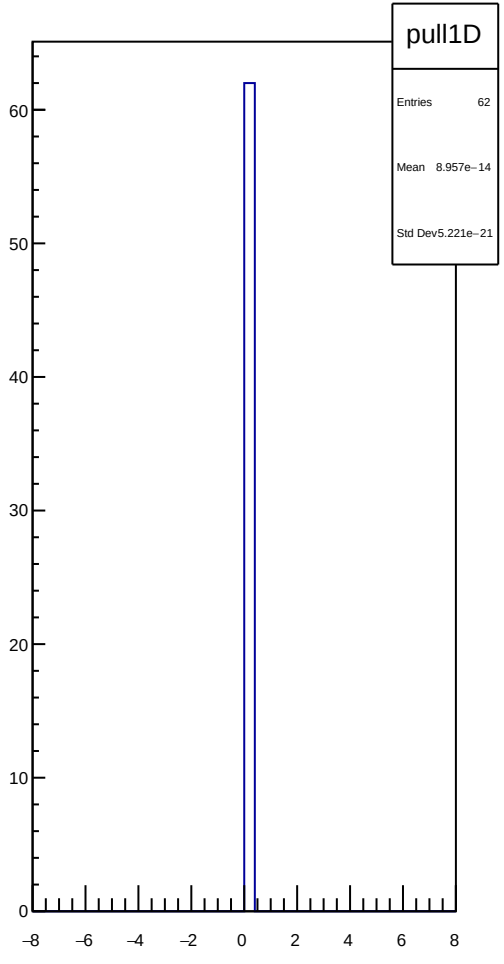

dit_sam7_11X12X_slope vs run
χ² / ndf 1.318e−26 / 61
p0 0.4293 ± 0.004352
0.47
0.46
0.45
0.44
0.43
0.42
0.41
0.4
0.39
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

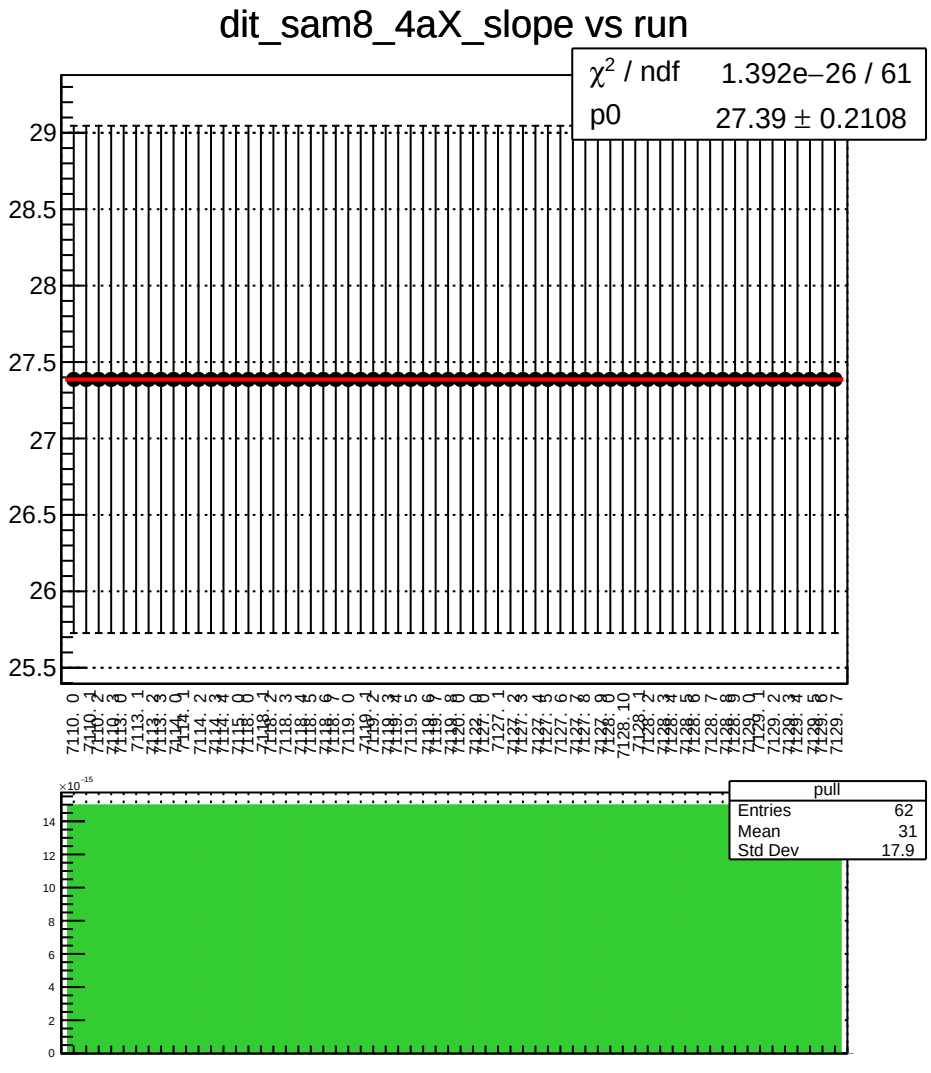

pull1D
Entries 62
Mean −1.458e−14
Std Dev 2.118e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

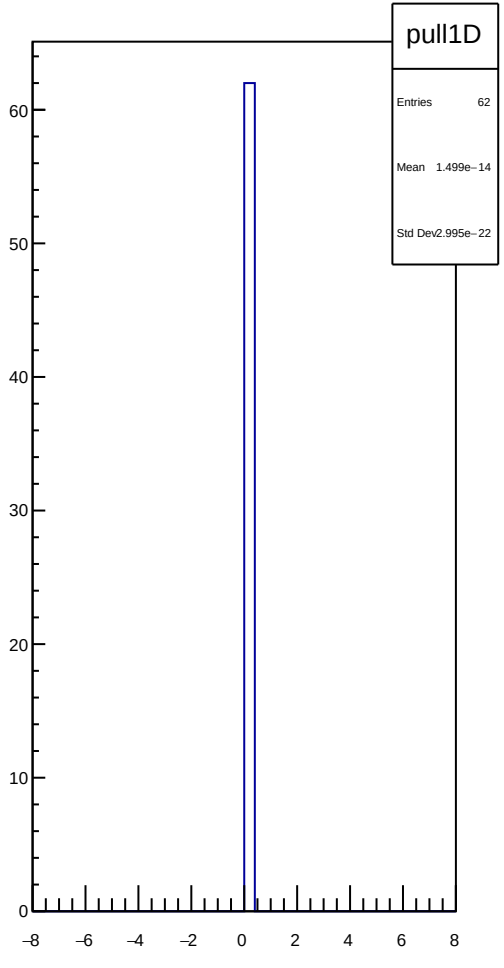

dit_sam7_4aY_slope vs run
χ² / ndf 2.926e−24 / 61
p0 6.968 ± 0.0109
pull
Entries 62
Mean 31
Std Dev 17.9

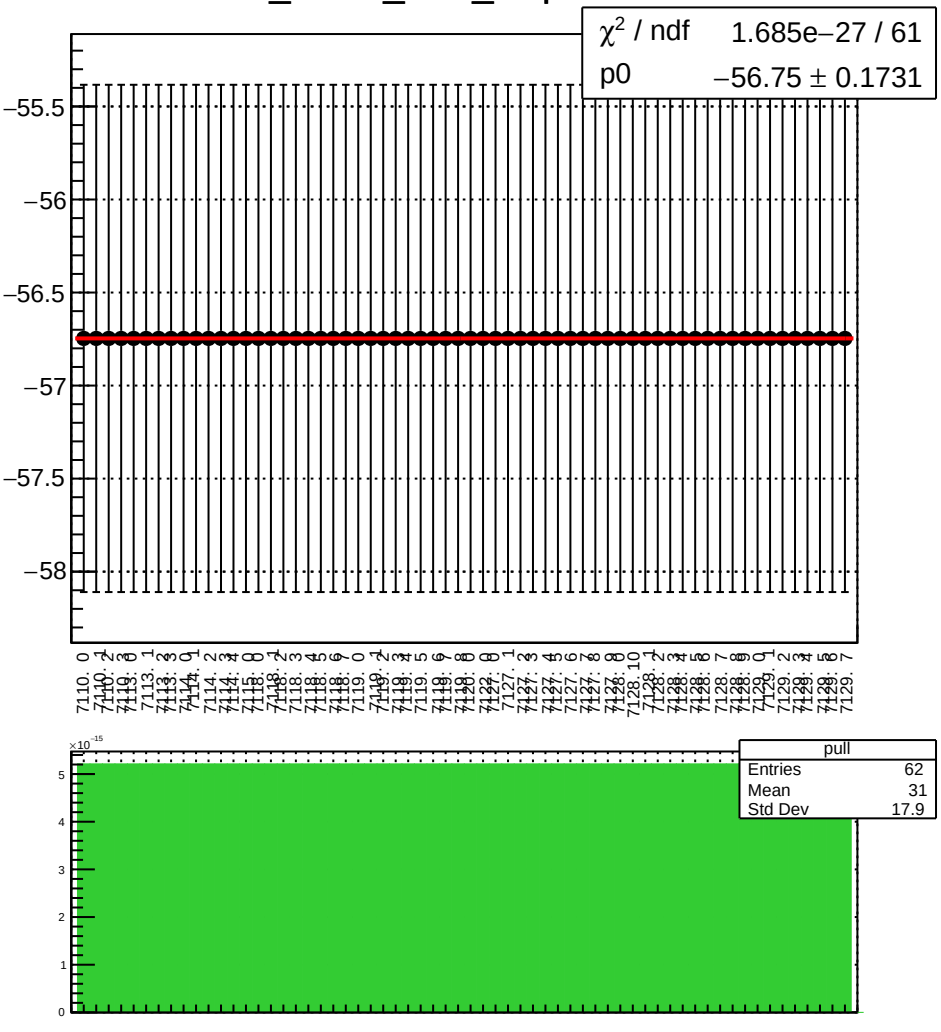

pull1D
Entries 62
Mean 2.172e−13
Std Dev 7.946e−21

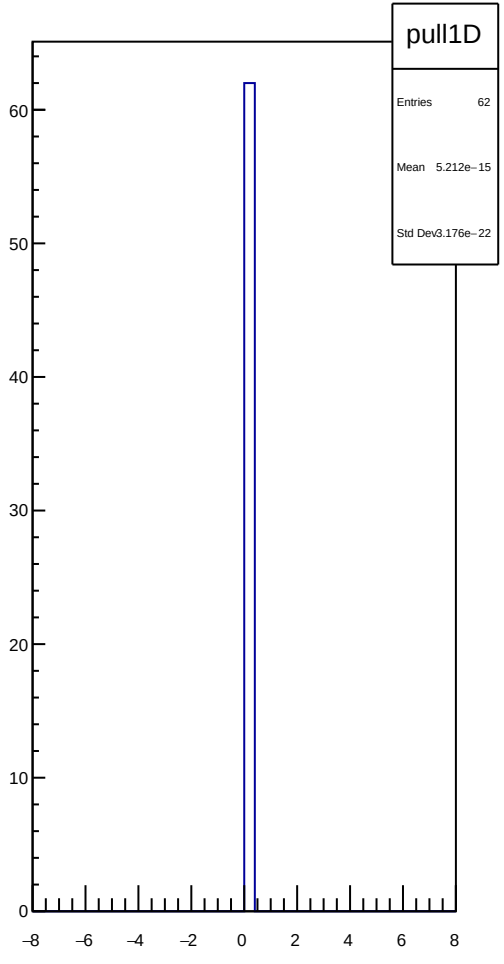

dit_sam7_4eY_slope vs run
χ² / ndf 4.975e−25 / 61
p0 −13.4 ± 0.03022
−13.2
−13.3
−13.4
−13.5
−13.6
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵

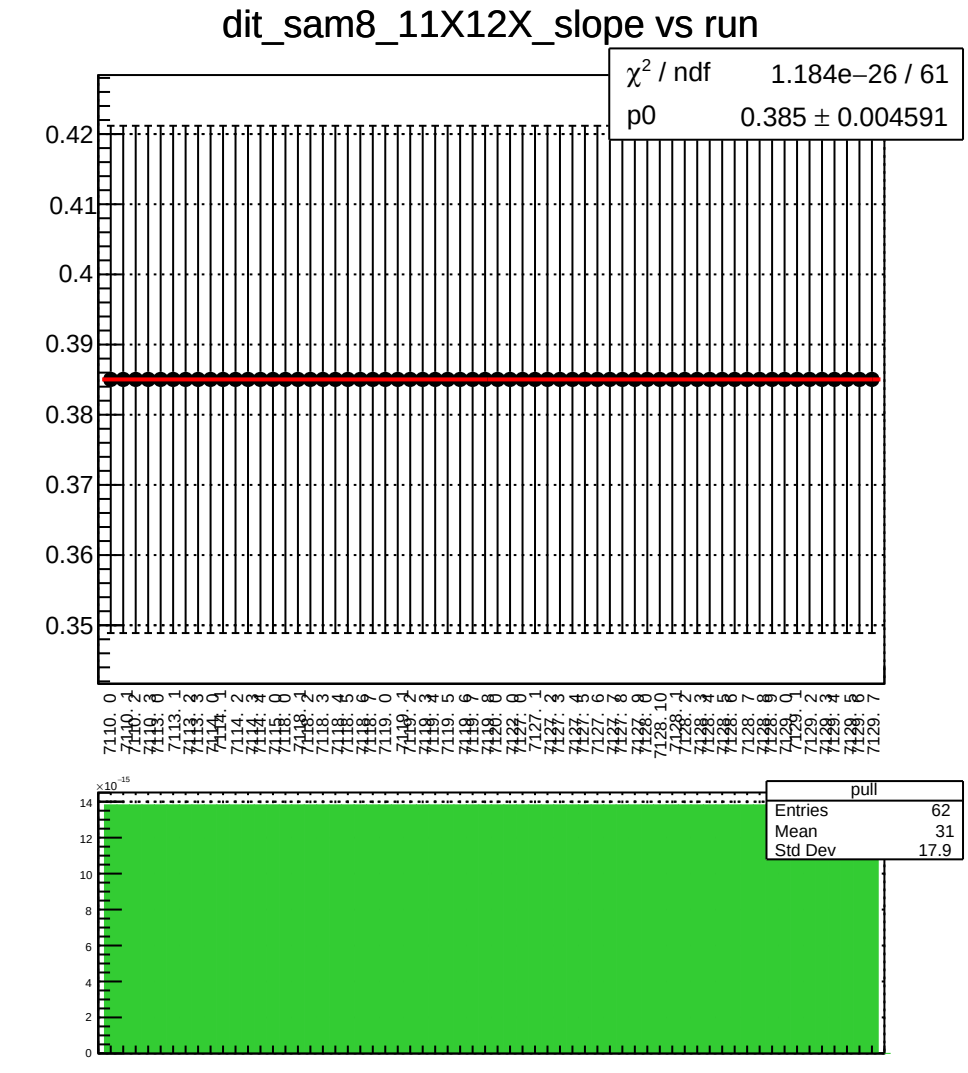

pull1D
Entries 62
Mean 8.957e−14
Std Dev5.221e−21

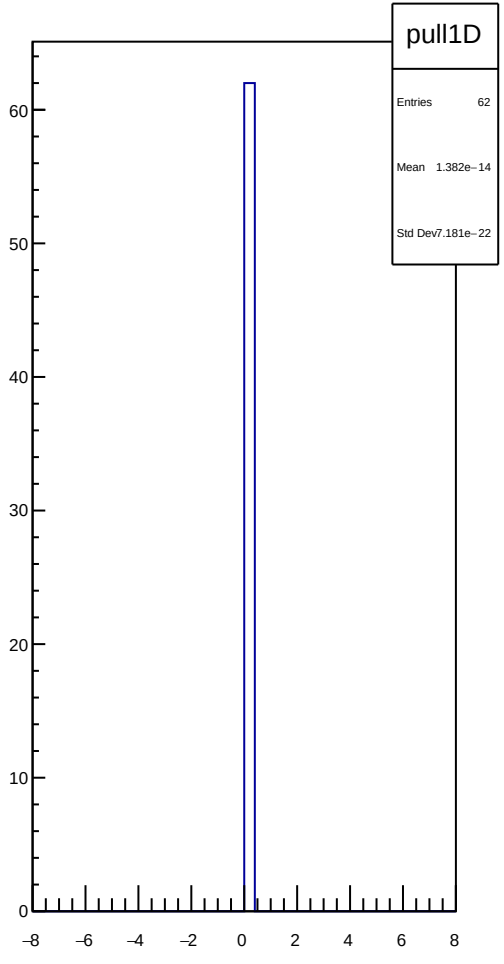

dit_sam8_4aX_slope vs run
χ² / ndf 1.392e−26 / 61
p0 27.39 ± 0.2108
pull
Entries 62
Mean 31
Std Dev 17.9

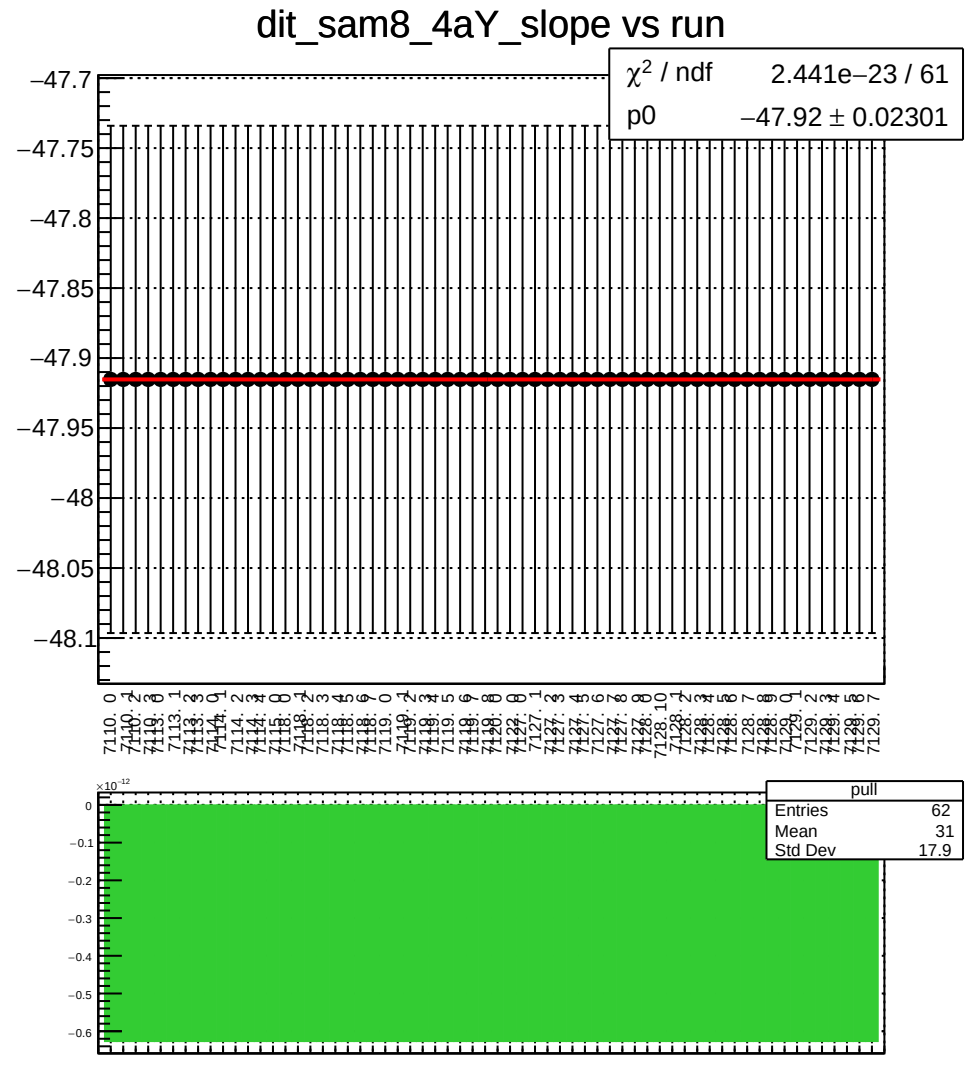

pull1D
Entries 62
Mean 1.499e−14
Std Dev 2.995e−22

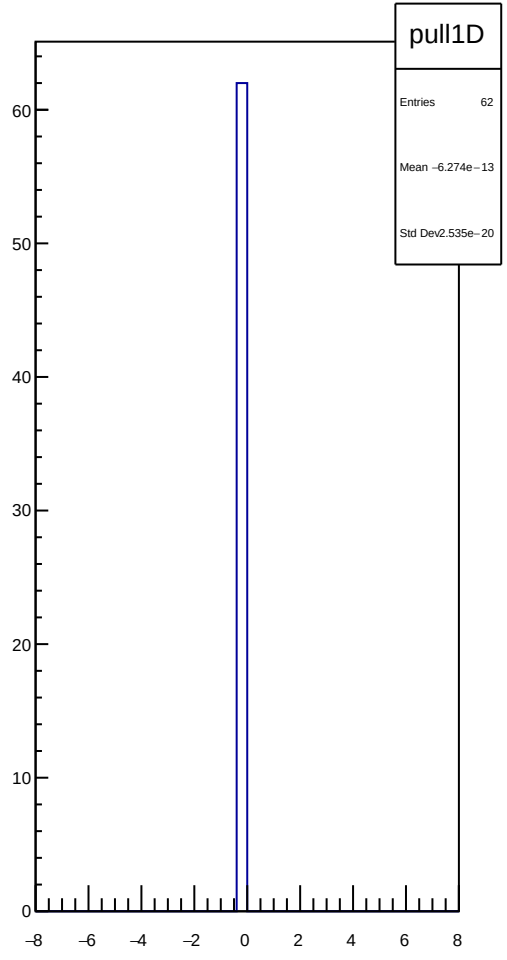

dit_sam8_4eX_slope vs run
χ² / ndf 1.685e−27 / 61
p0 −56.75 ± 0.1731
−55.5
−56
−56.5
−57
−57.5
−58
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
0
1
2
3
4
5

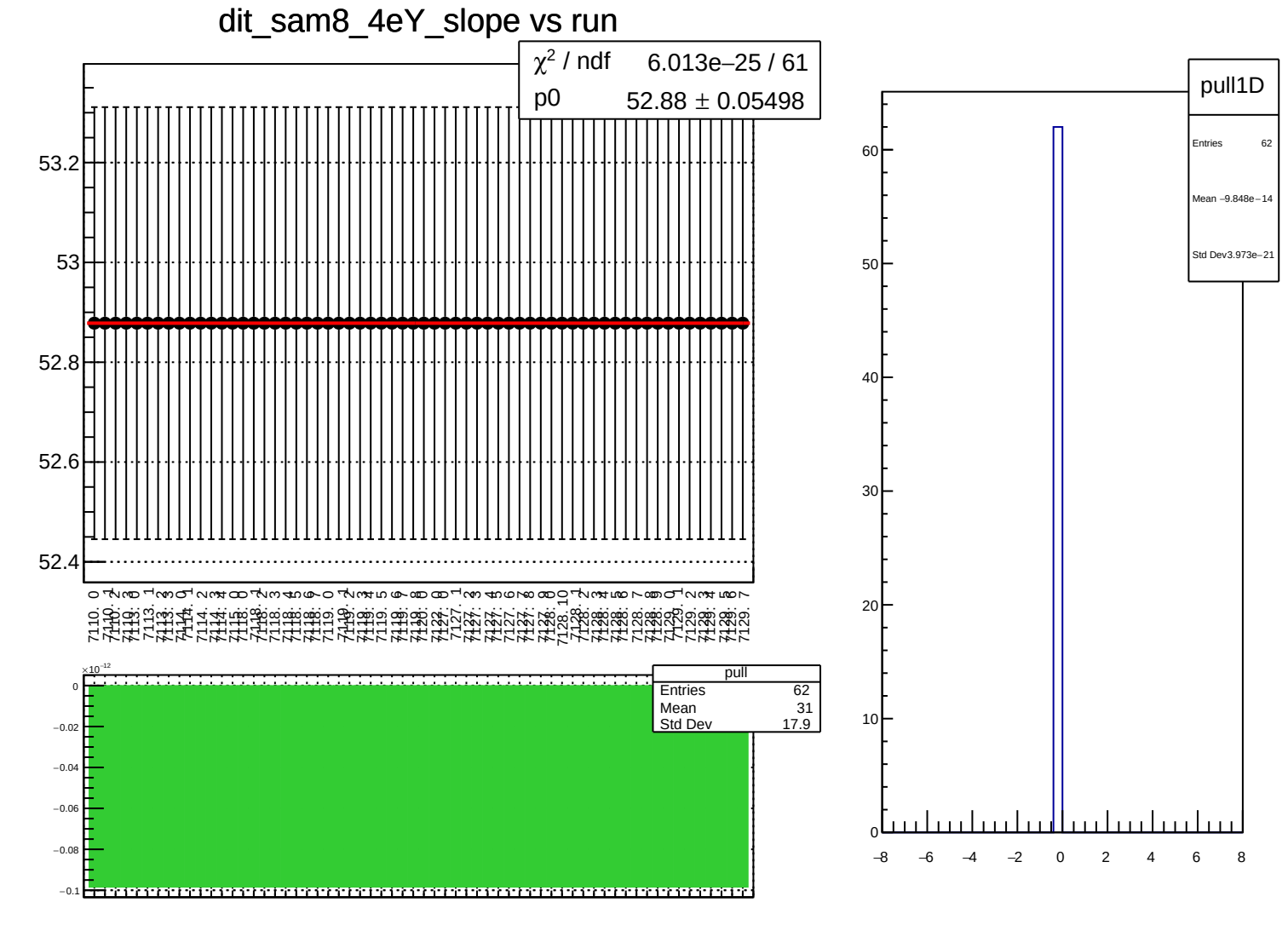

pull1D
Entries 62
Mean 5.212e−15
Std Dev 3.176e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

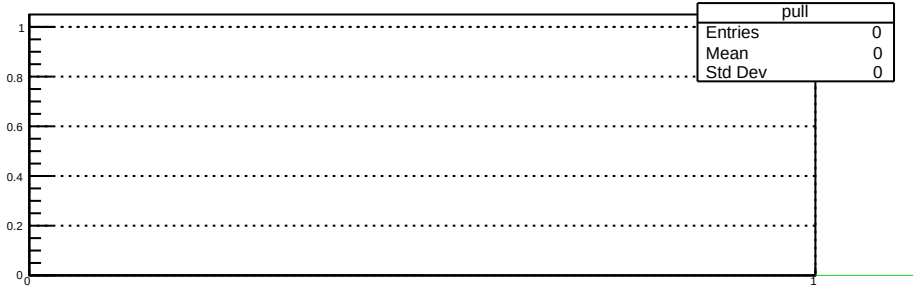

dit_sam8_11X12X_slope vs run
χ² / ndf 1.184e−26 / 61
p0 0.385 ± 0.004591
0.42
0.41
0.4
0.39
0.38
0.37
0.36
0.35
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹⁵
14
12
10
8
6
4
2
0

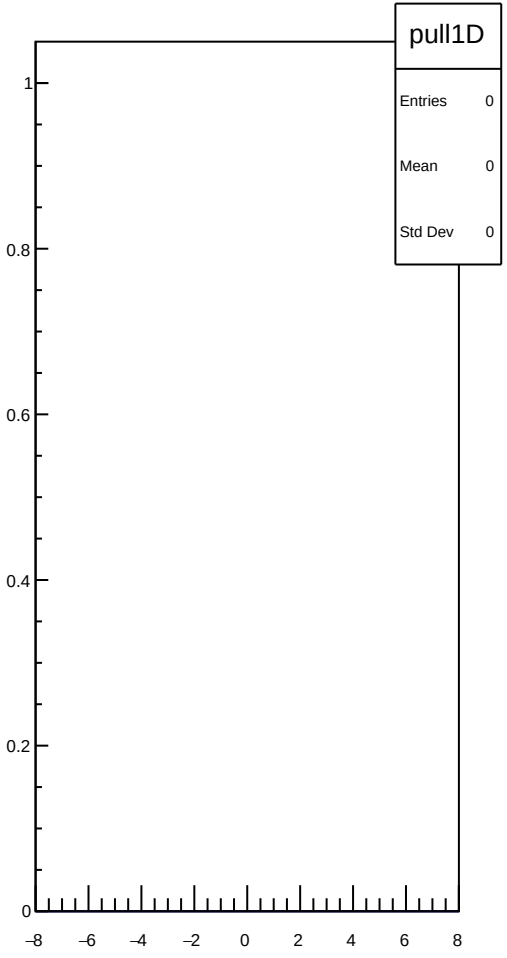

pull1D
Entries 62
Mean 1.382e−14
Std Dev7.181e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

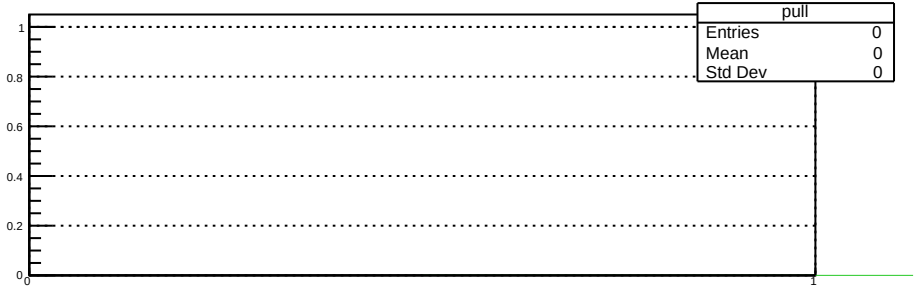

dit_sam8_4aY_slope vs run
χ² / ndf 2.441e−23 / 61
p0 −47.92 ± 0.02301
−47.7
−47.75
−47.8
−47.85
−47.9
−47.95
−48
−48.05
−48.1
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

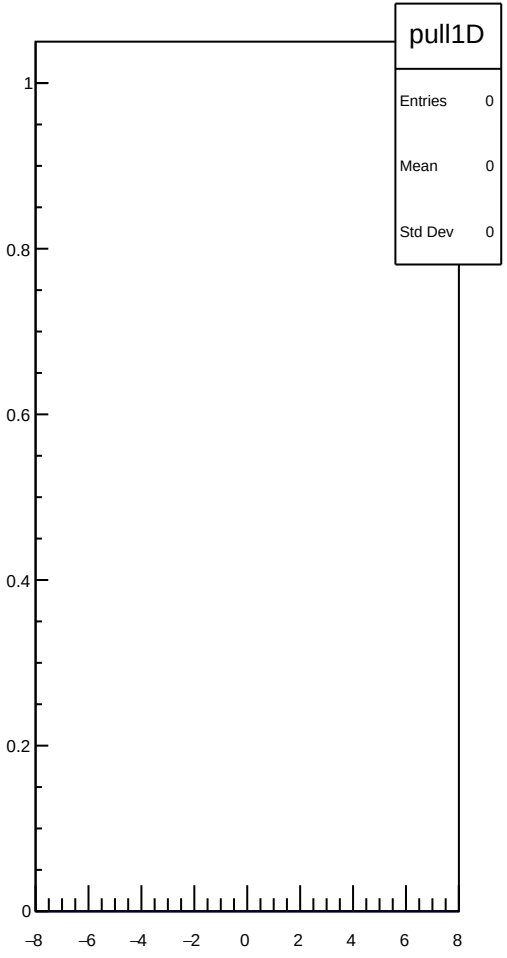

pull1D
Entries 62
Mean −6.274e−13
Std Dev 2.535e−20
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50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

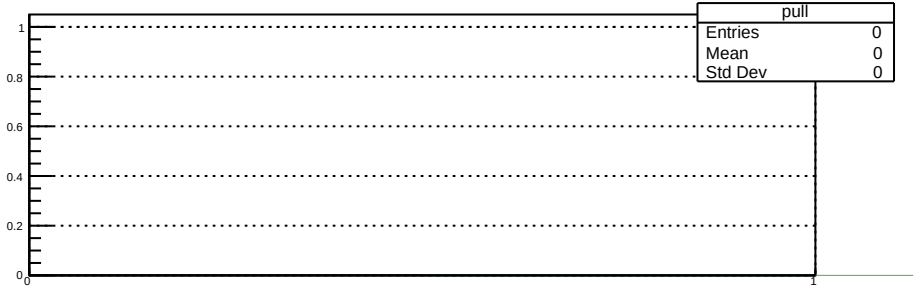

dit_sam8_4eY_slope vs run
χ² / ndf 6.013e−25 / 61
p0 52.88 ± 0.05498
53.2
53
52.8
52.6
52.4
pull
Entries 62
Mean 31
Std Dev 17.9
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 62
Mean −9.848e−14
Std Dev3.973e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

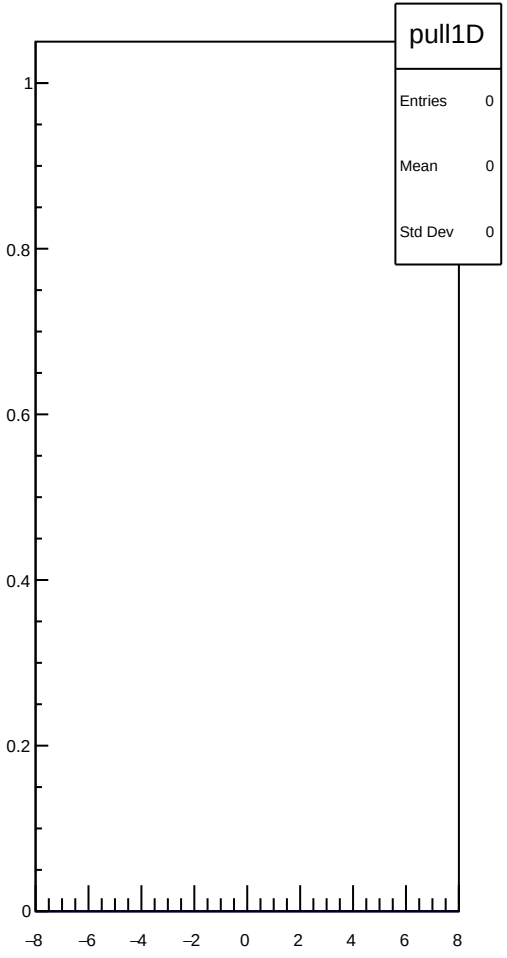

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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1

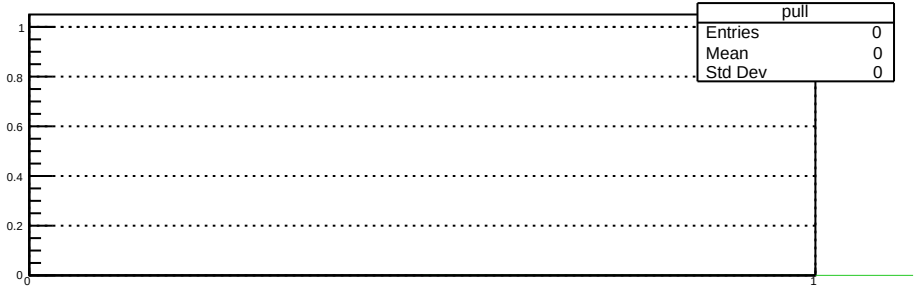

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
2
4
6
8

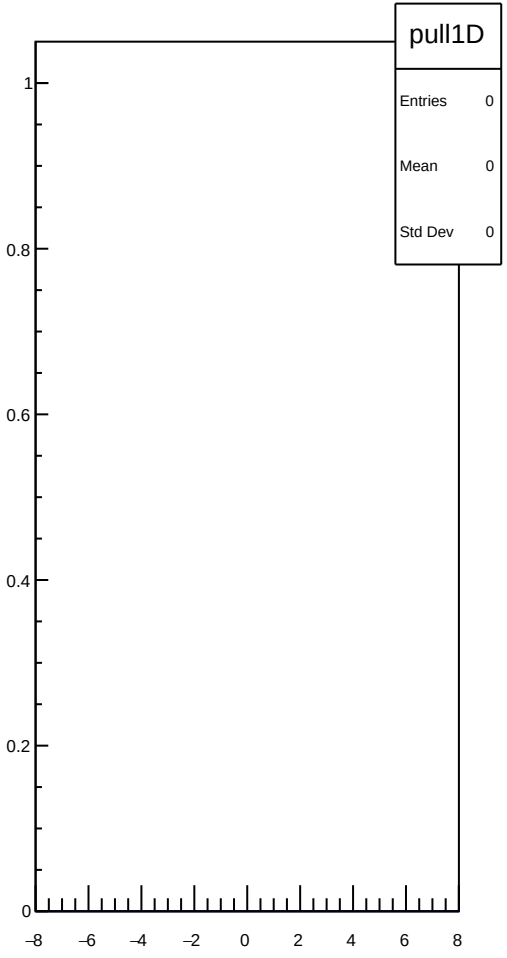

pull
Entries 0
Mean 0
Std Dev 0
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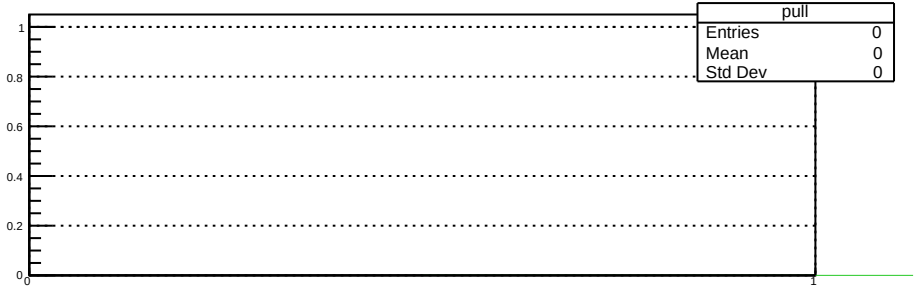

pull1D
Entries 0
Mean 0
Std Dev 0
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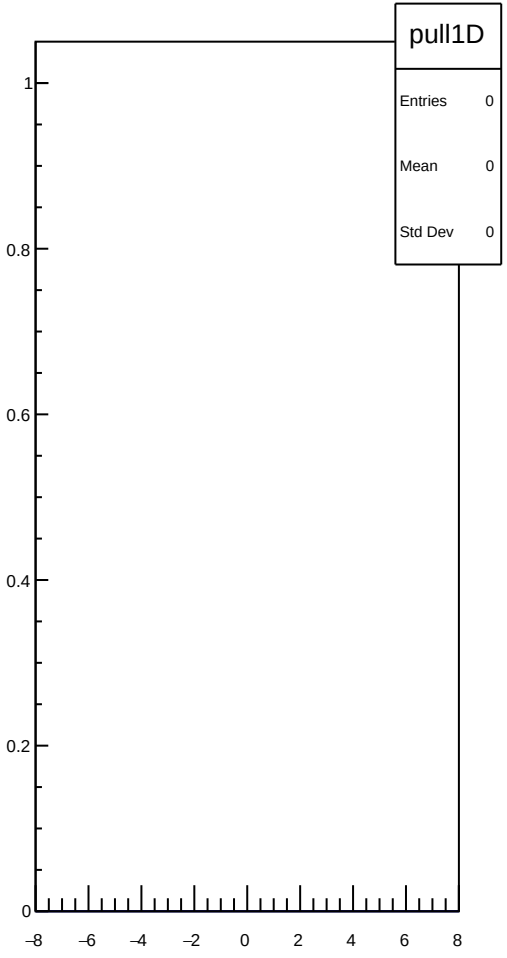

pull
Entries 0
Mean 0
Std Dev 0
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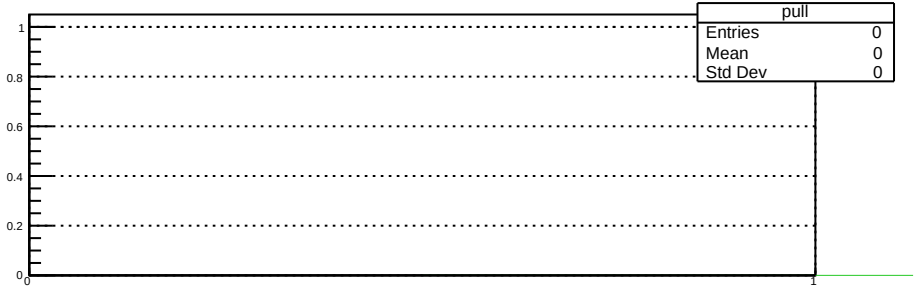

pull1D
Entries 0
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Std Dev 0
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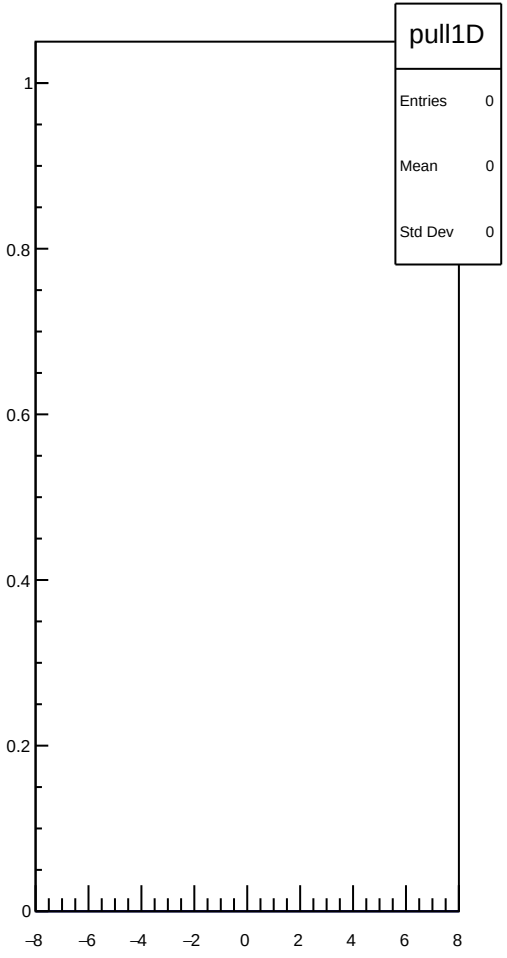

pull
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Std Dev 0
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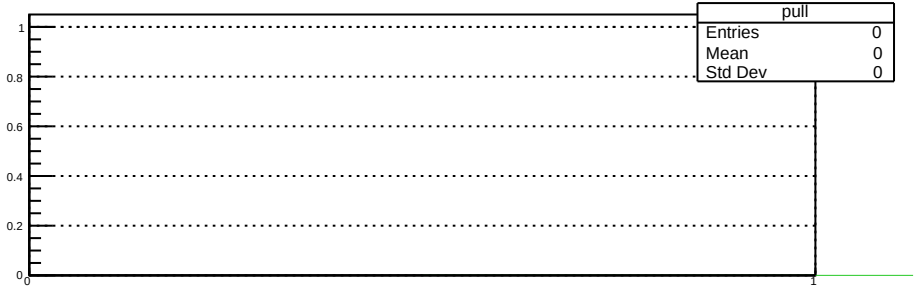

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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–4
–2
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2
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6
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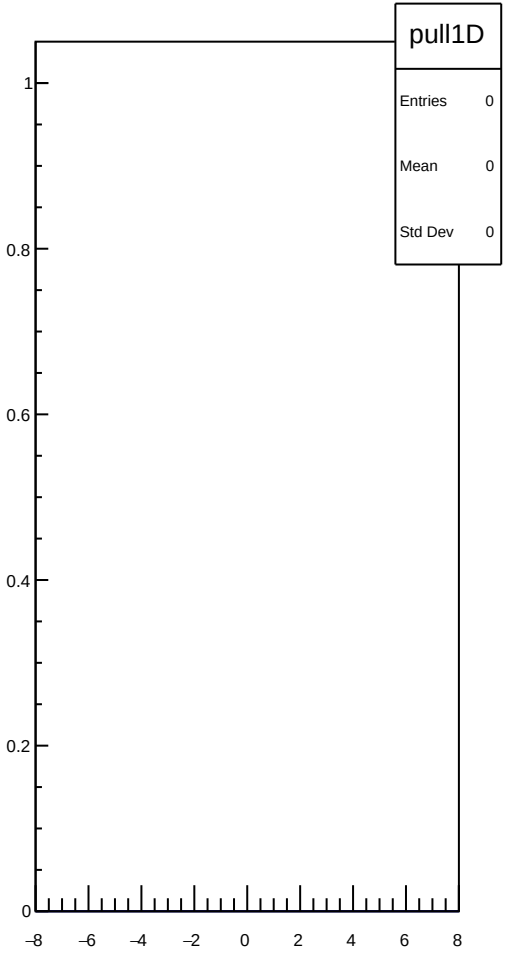

pull
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Mean 0
Std Dev 0
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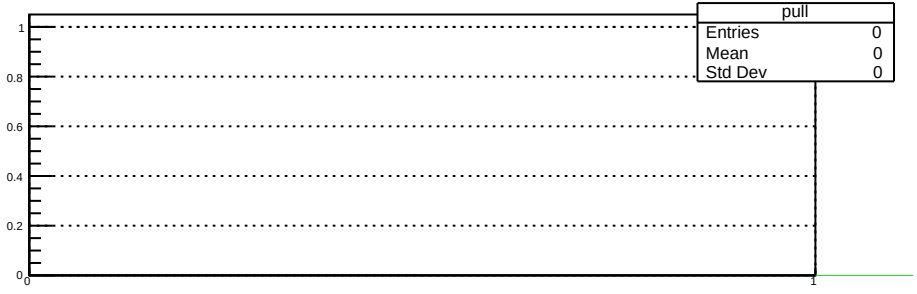

pull1D
Entries 0
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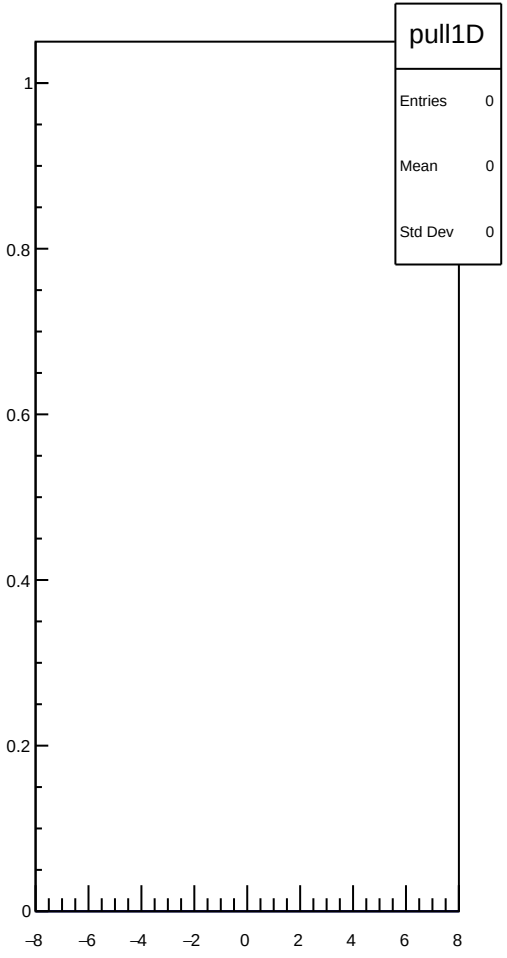

pull
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Std Dev 0
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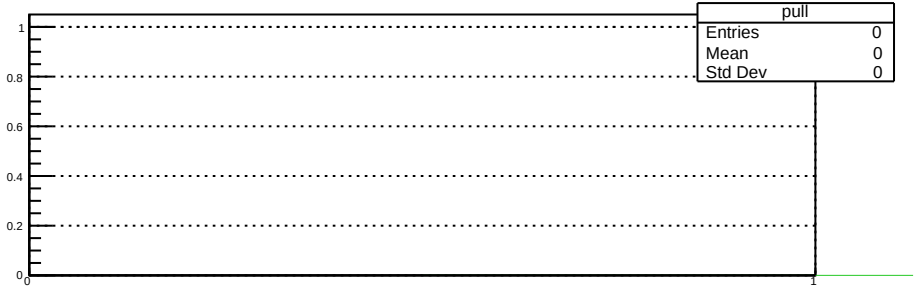

pull1D
Entries 0
Mean 0
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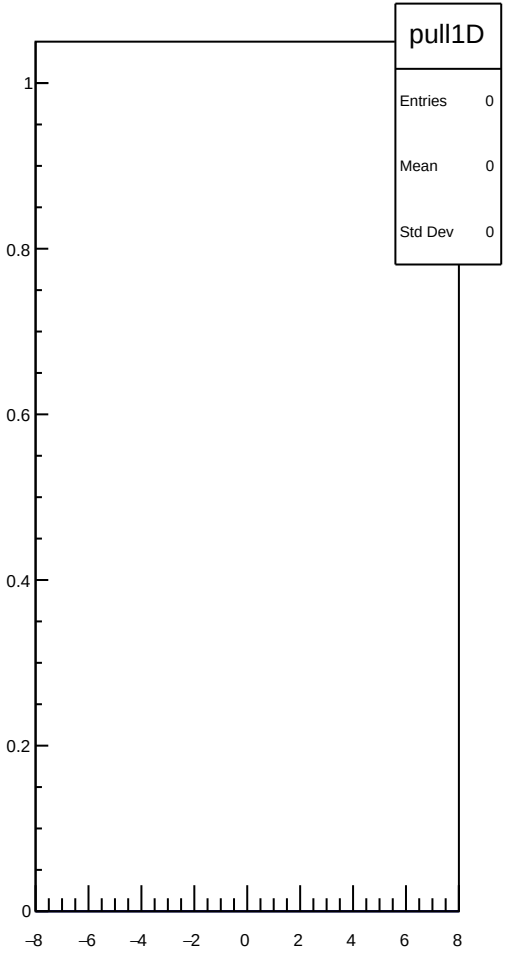

pull
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Std Dev 0
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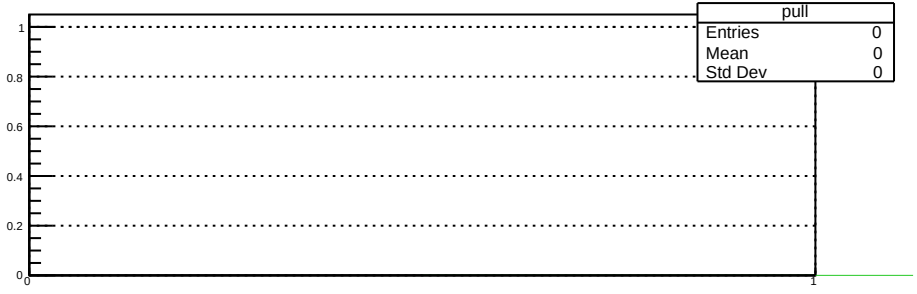

pull1D
Entries 0
Mean 0
Std Dev 0
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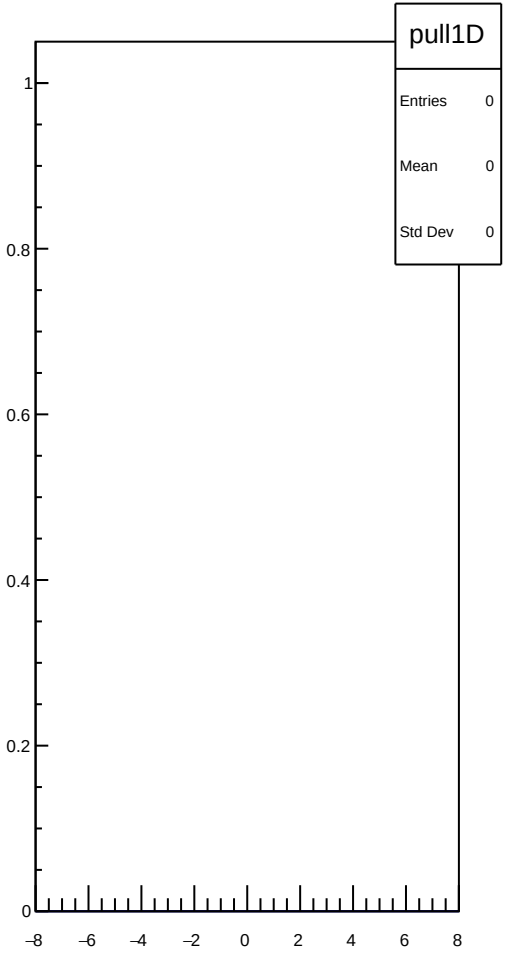

pull
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Std Dev 0
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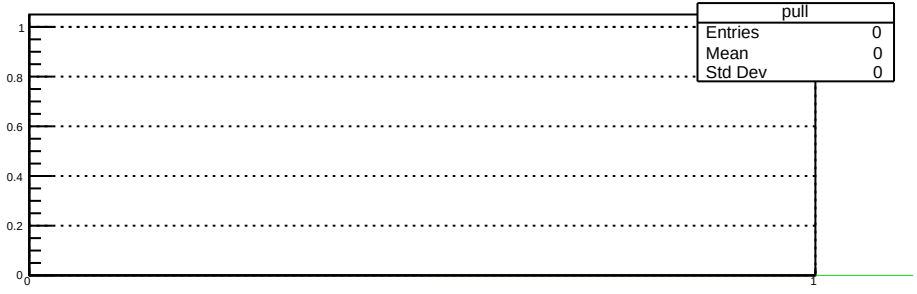

pull1D
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Mean 0
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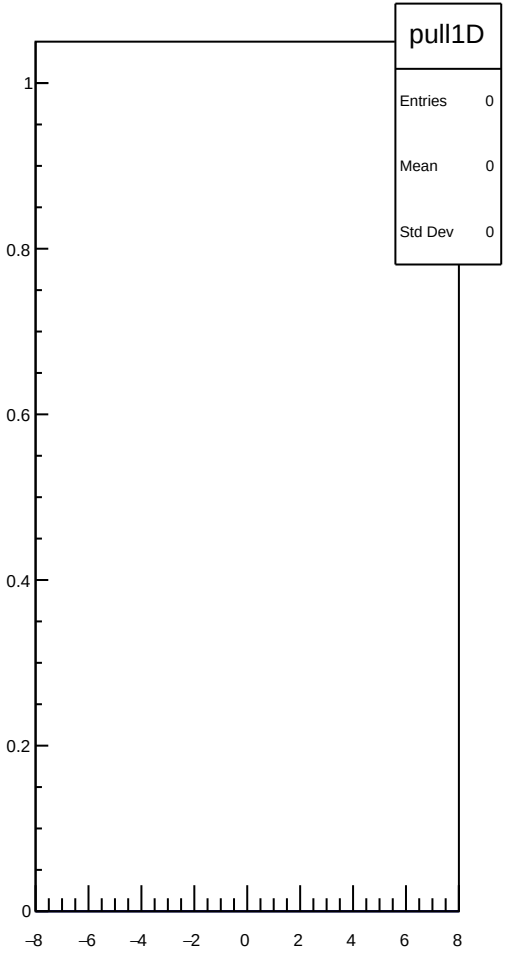

pull
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Std Dev 0
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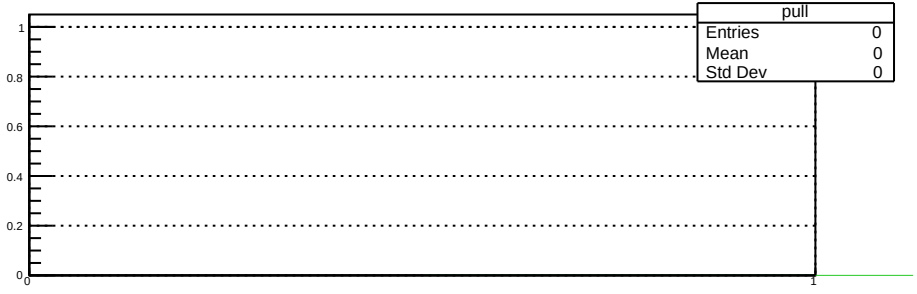

pull1D
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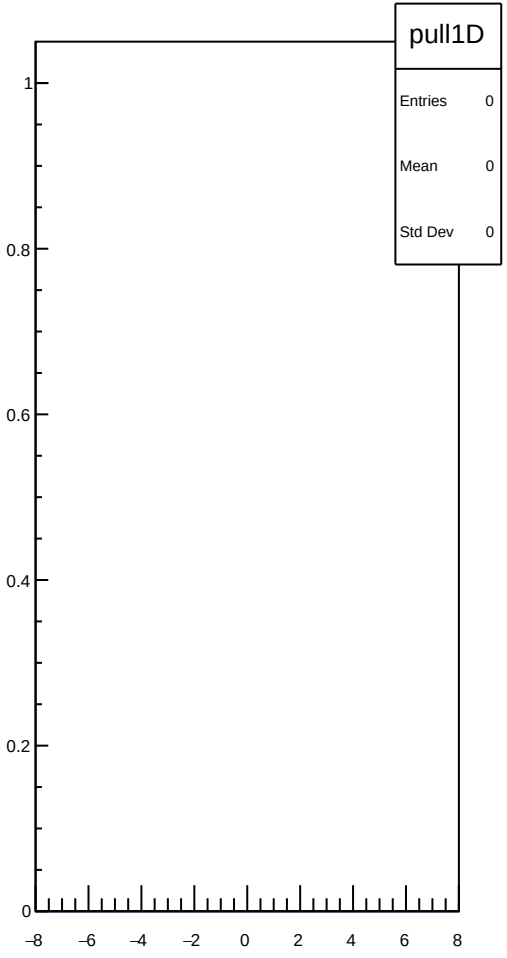

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Std Dev 0
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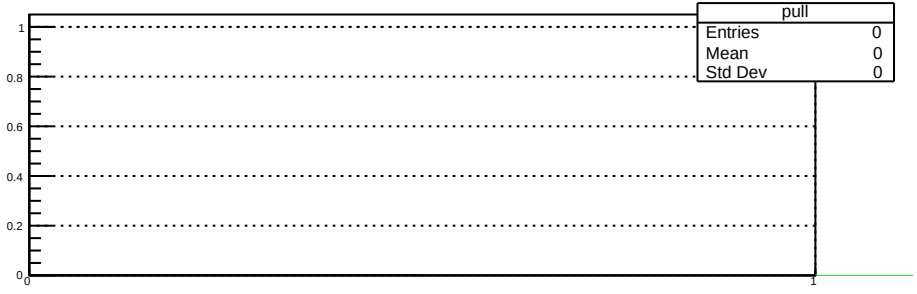

pull1D
Entries 0
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Std Dev 0
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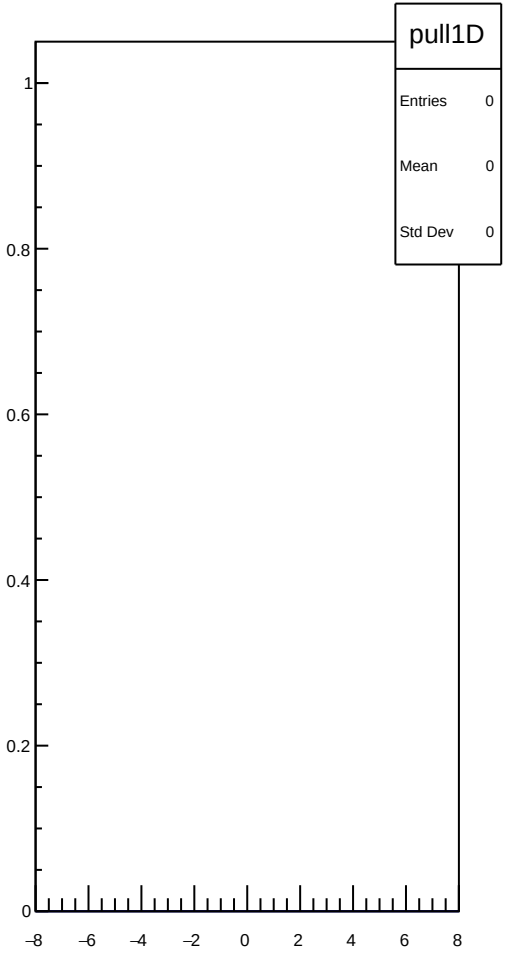

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Std Dev 0
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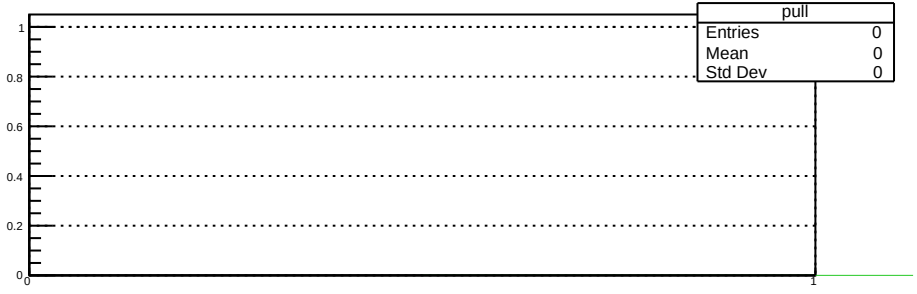

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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4
6
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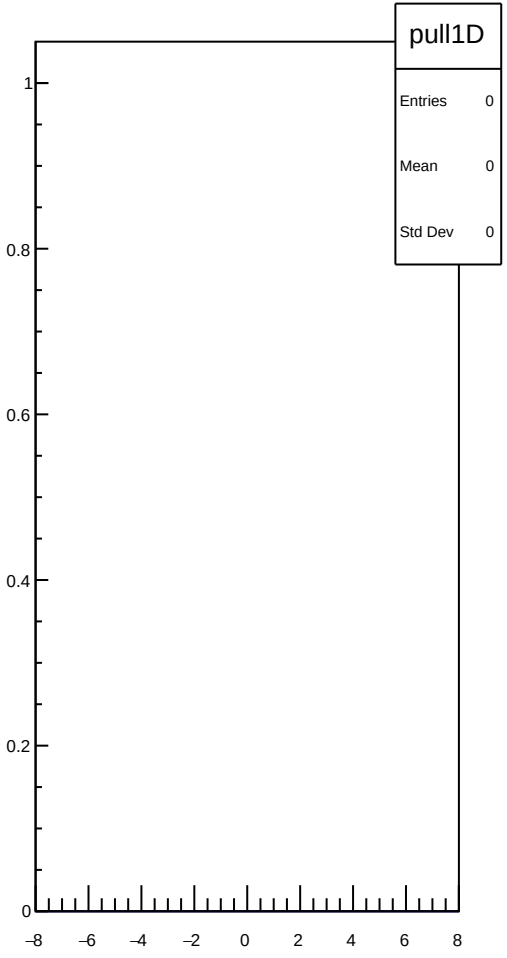

pull
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Mean 0
Std Dev 0
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0.4
0.2
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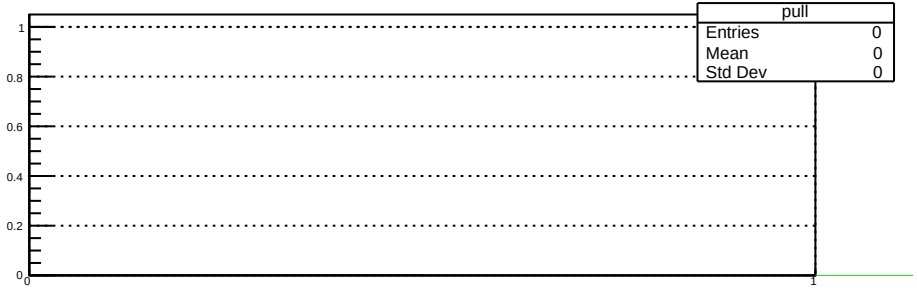

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–2
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6
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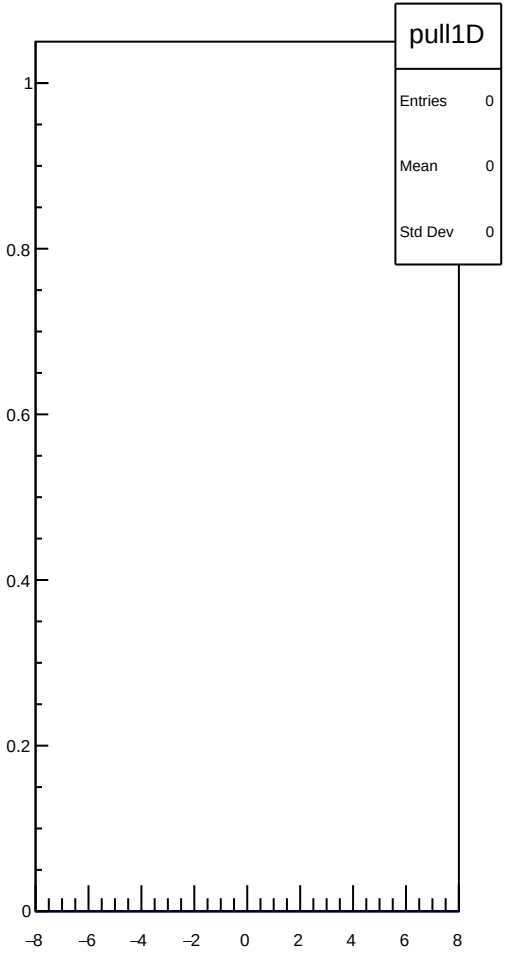

pull
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Mean 0
Std Dev 0
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0.2
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1

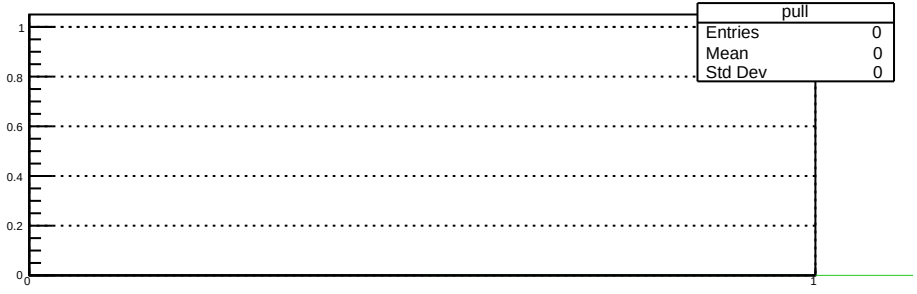

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.4
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–8
–6
–4
–2
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2
4
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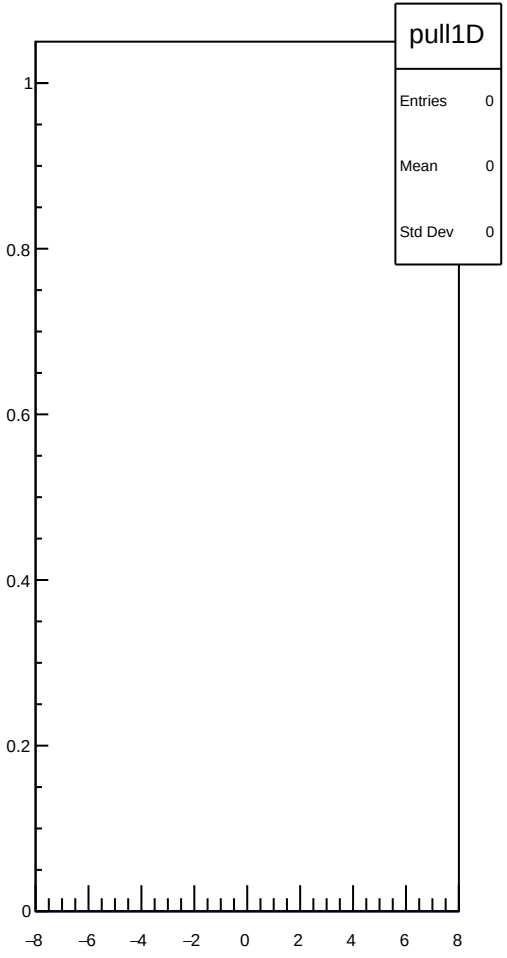

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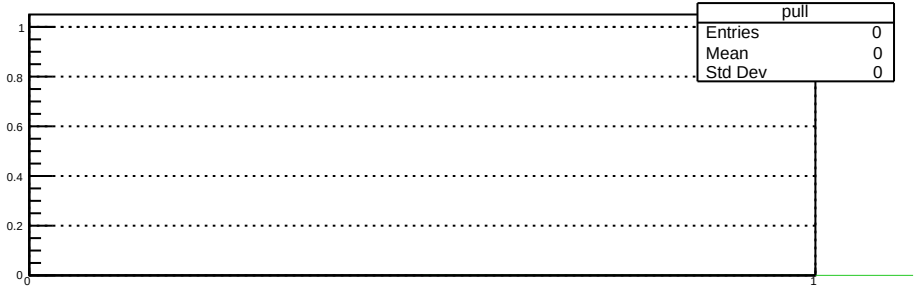

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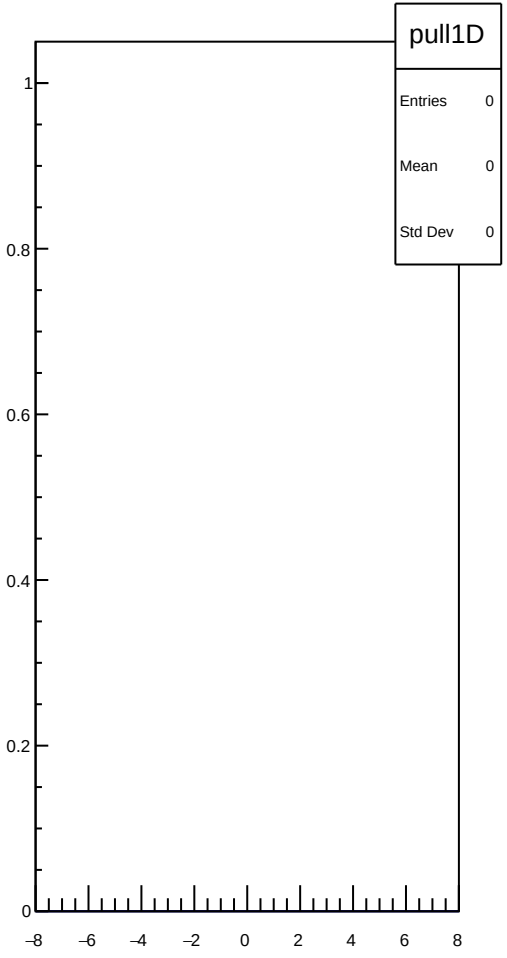

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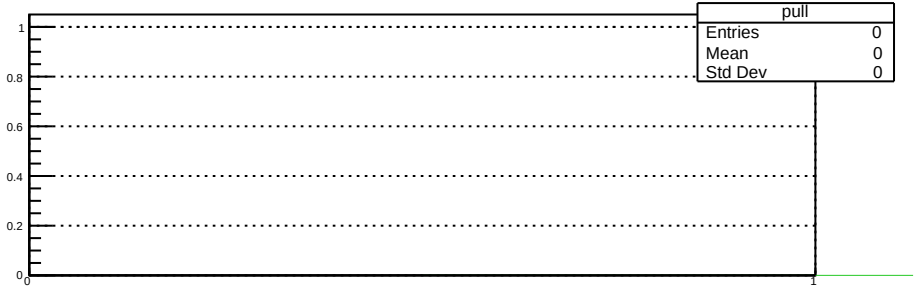

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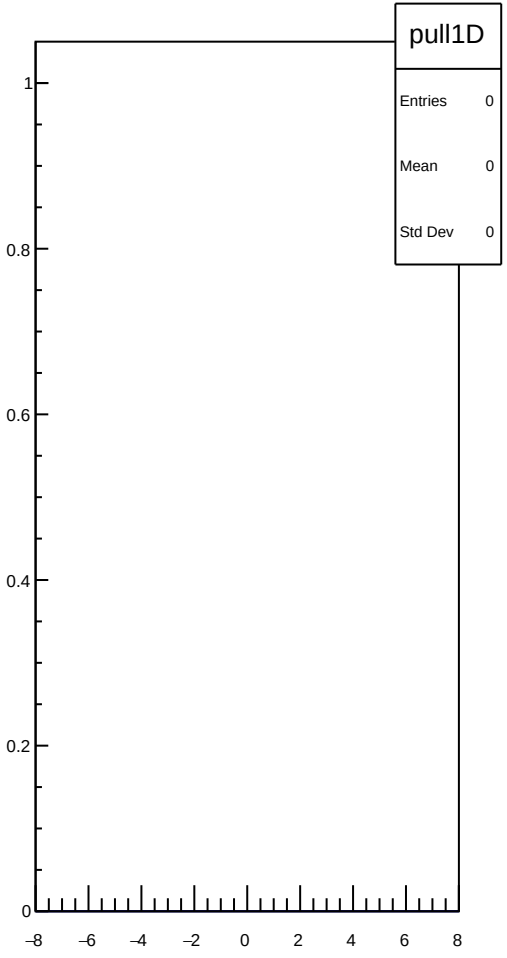

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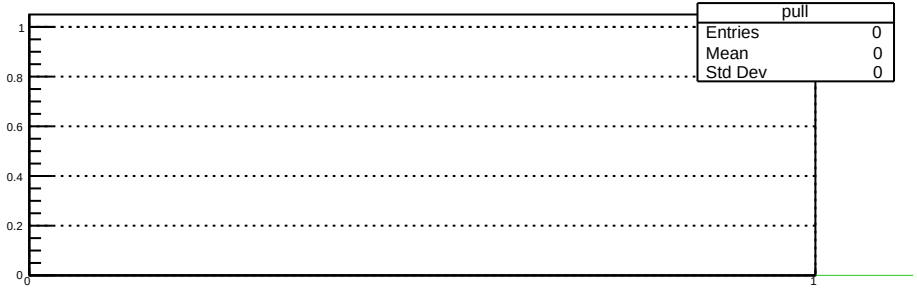

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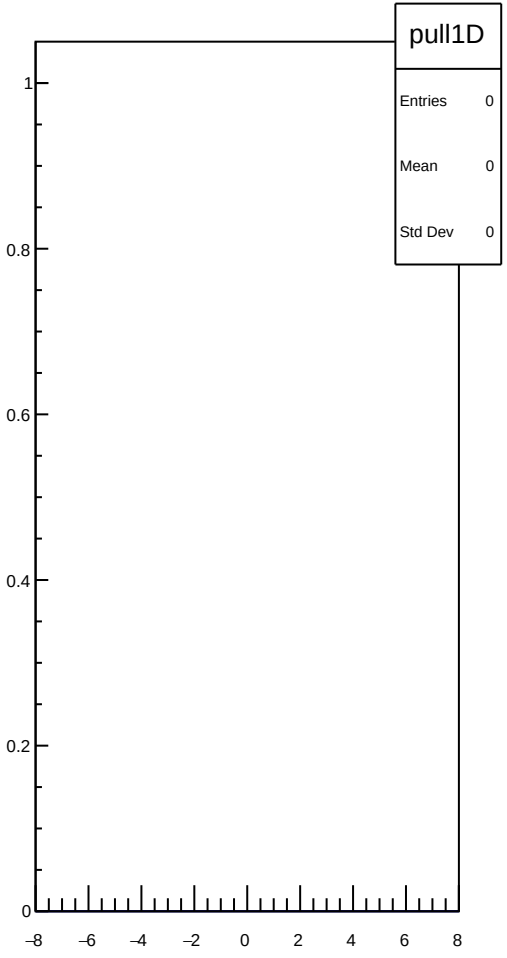

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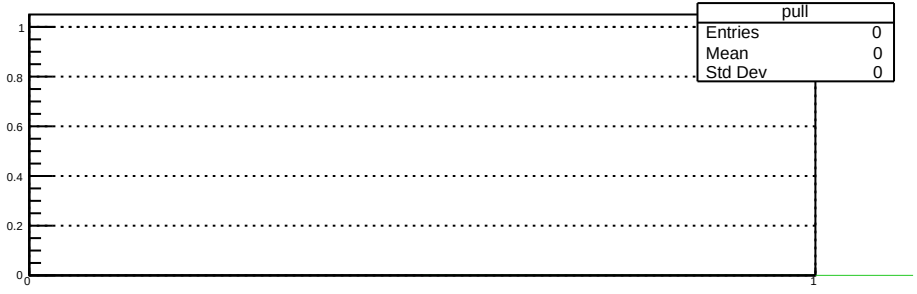

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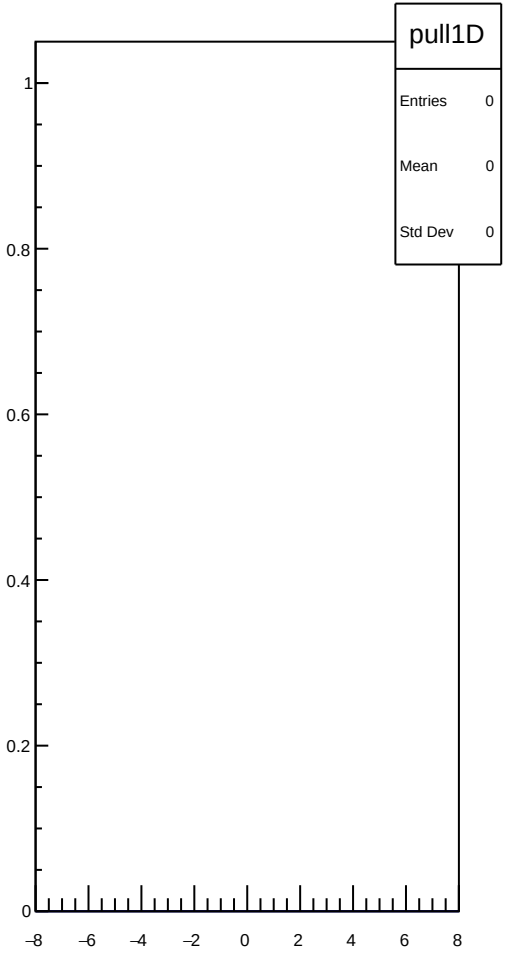

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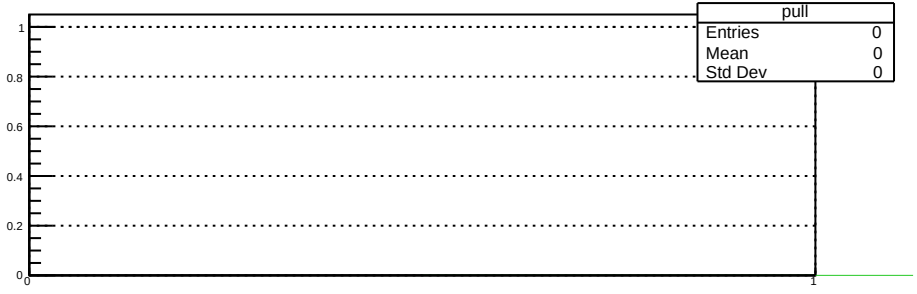

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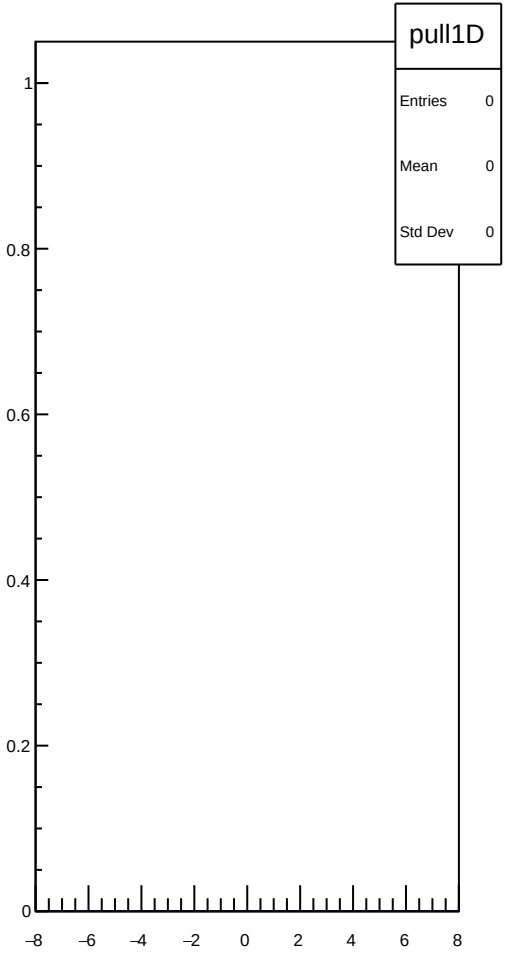

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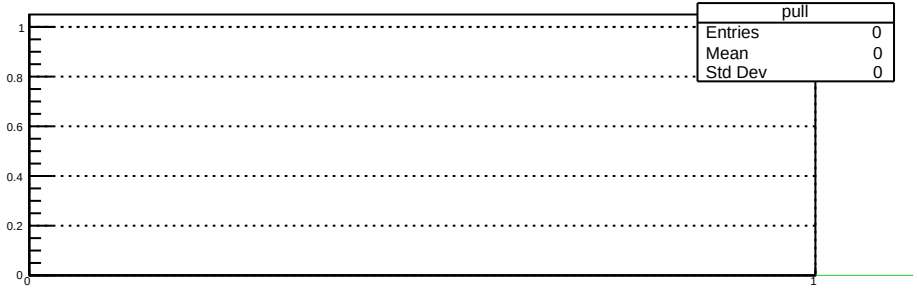

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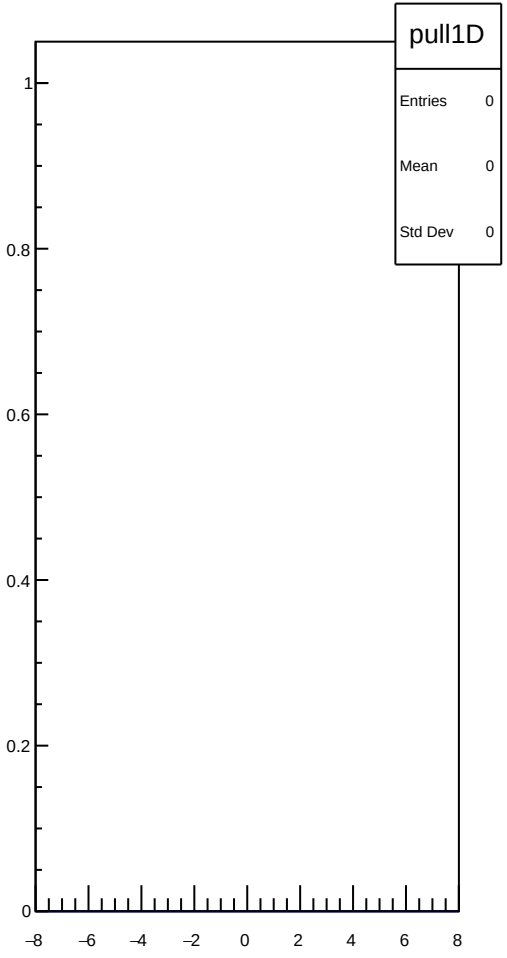

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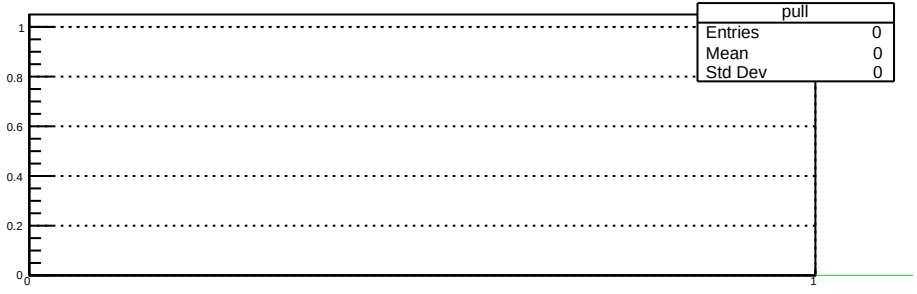

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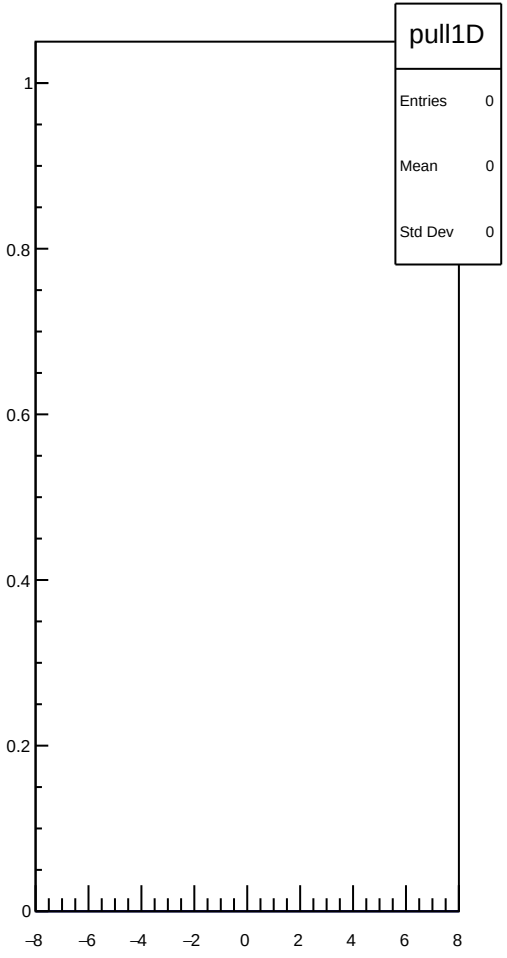

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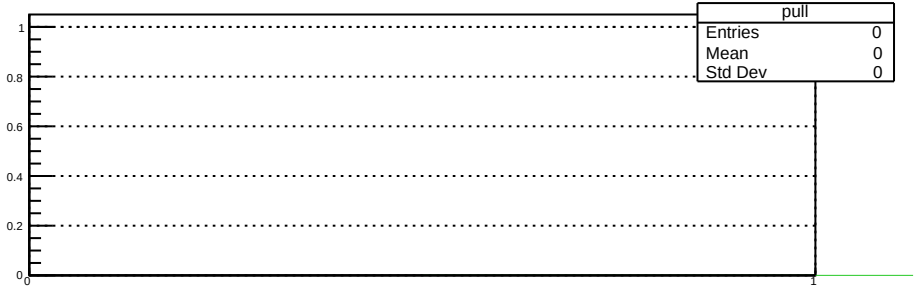

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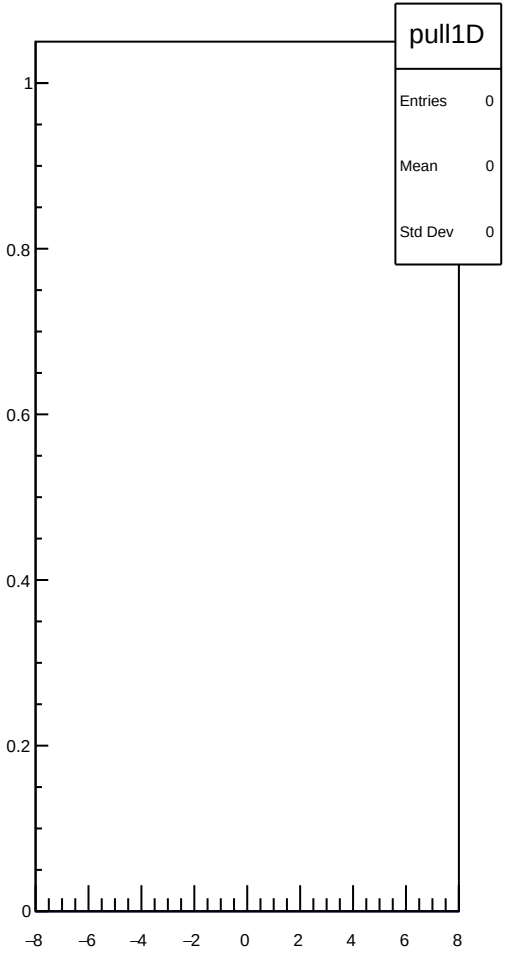

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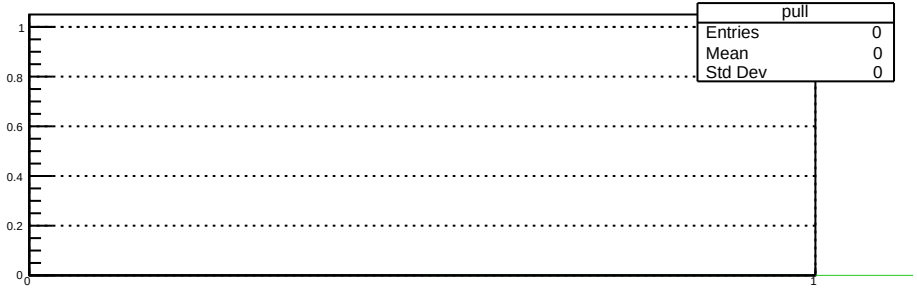

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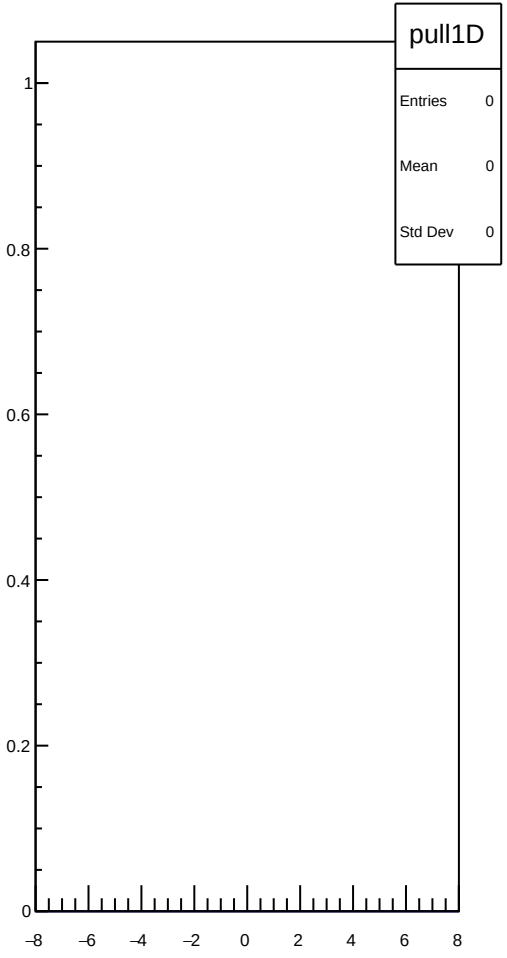

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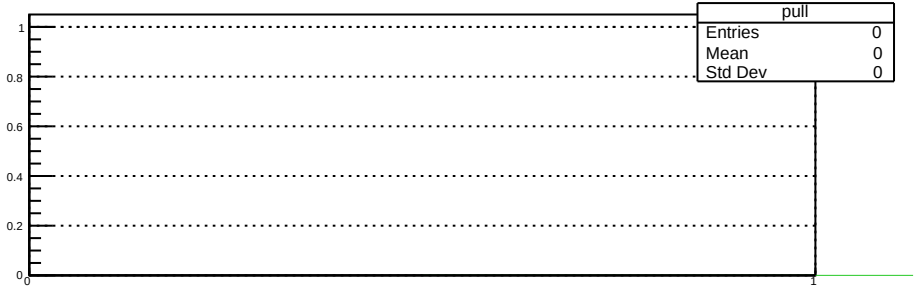

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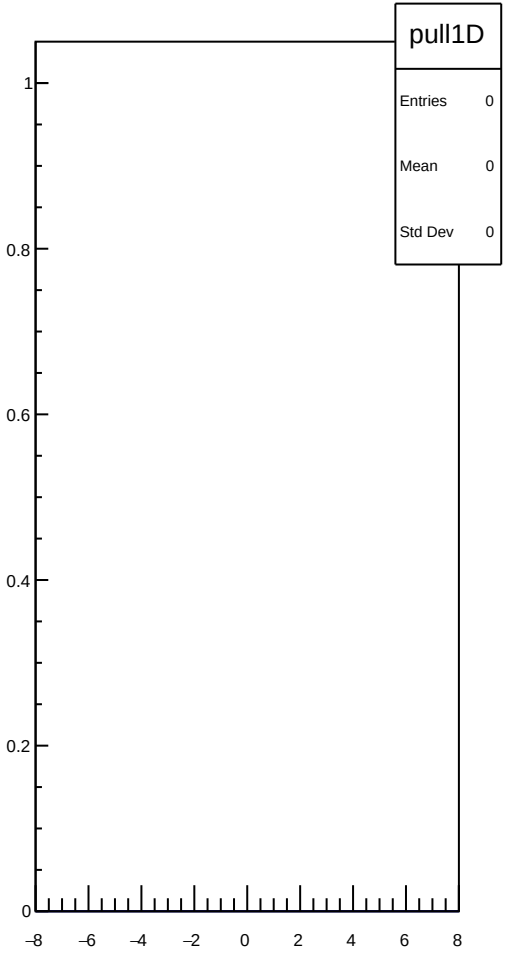

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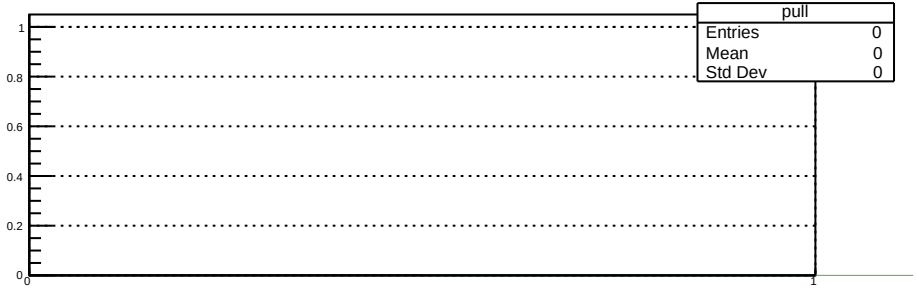

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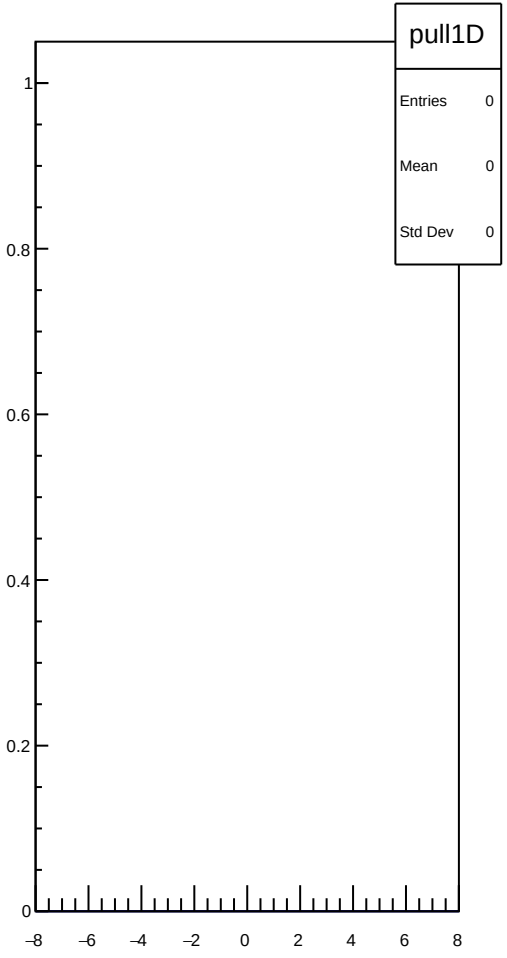

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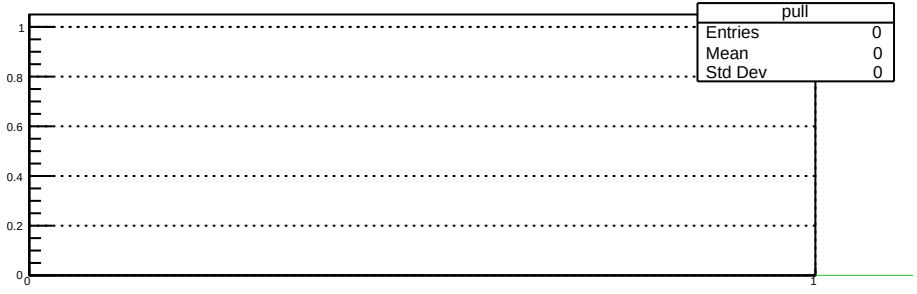

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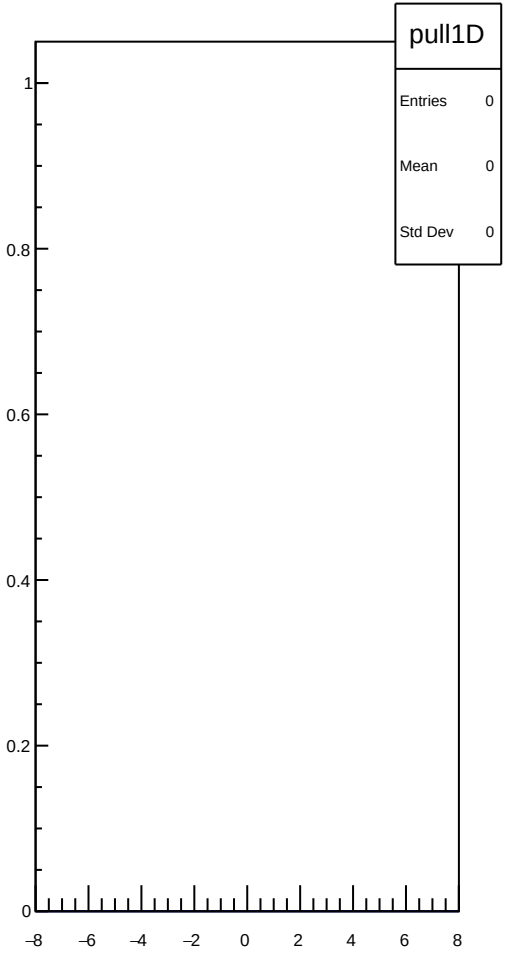

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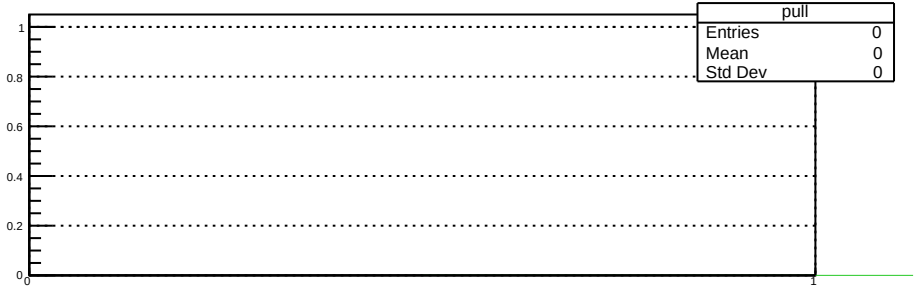

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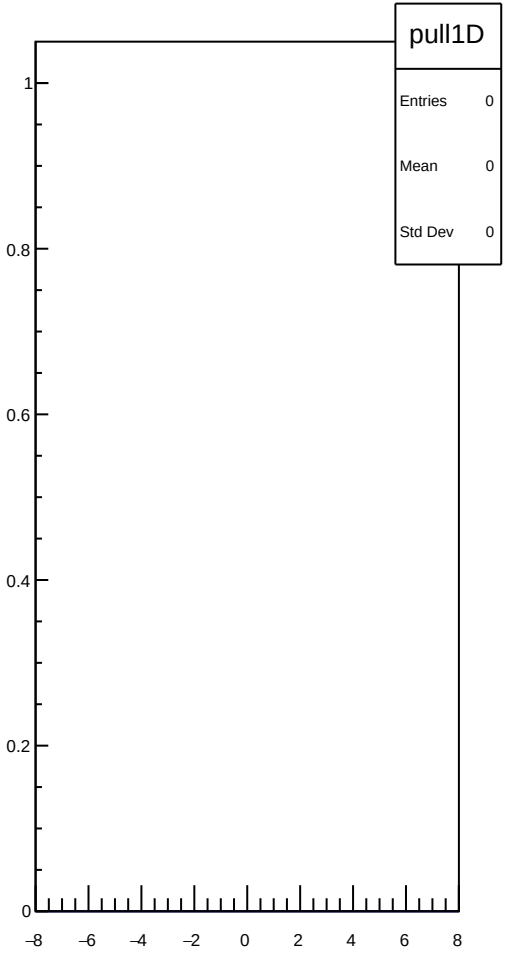

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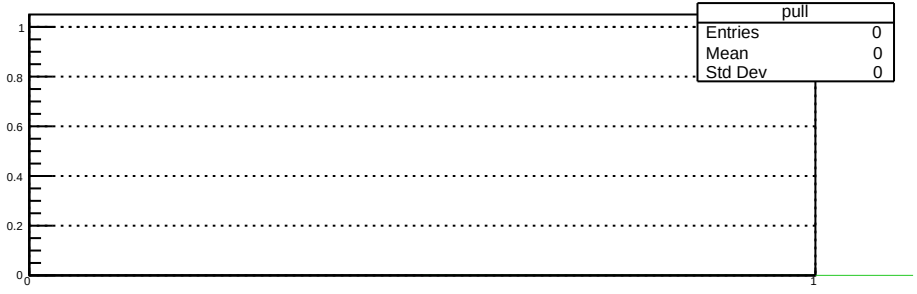

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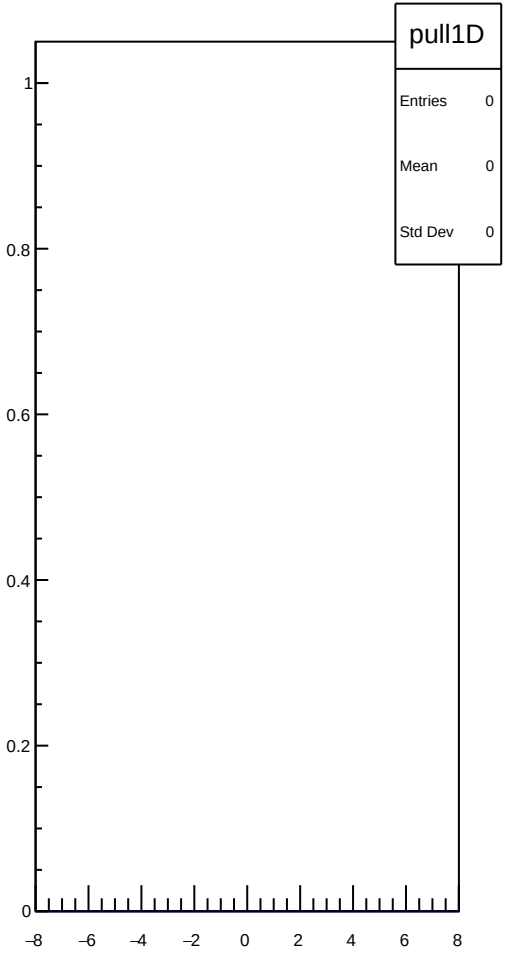

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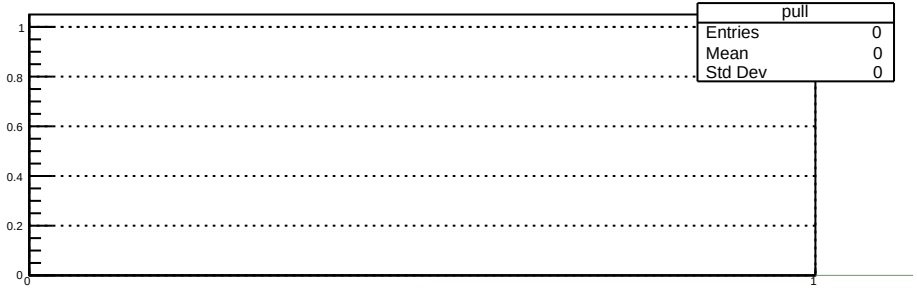

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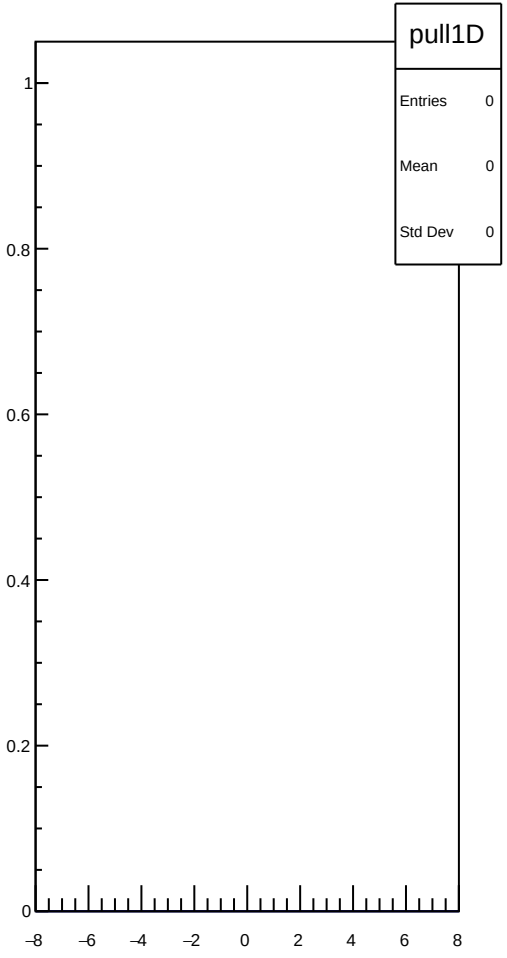

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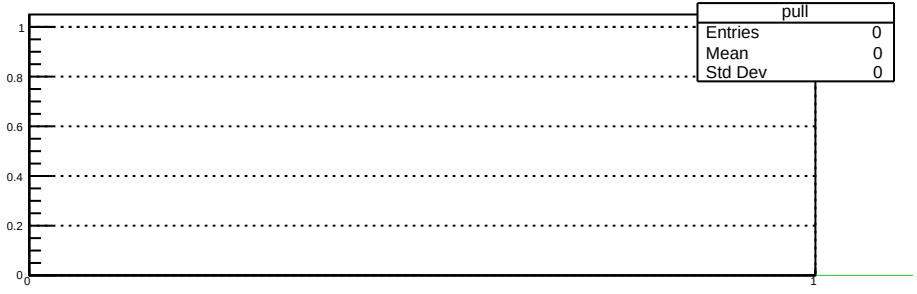

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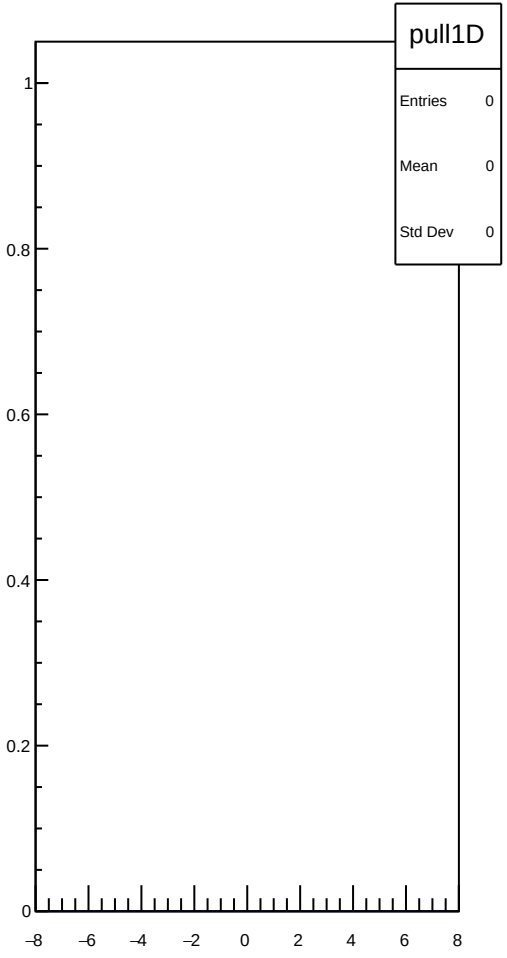

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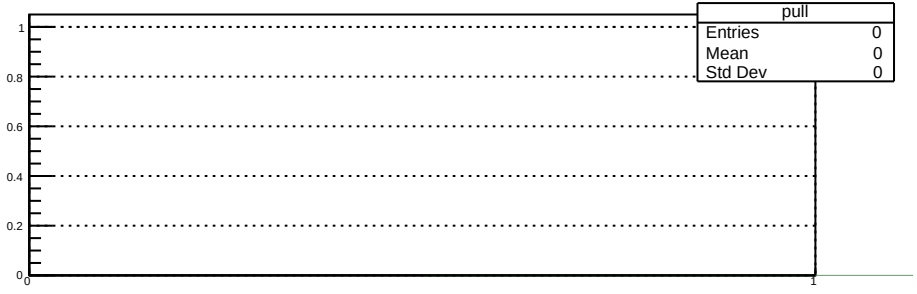

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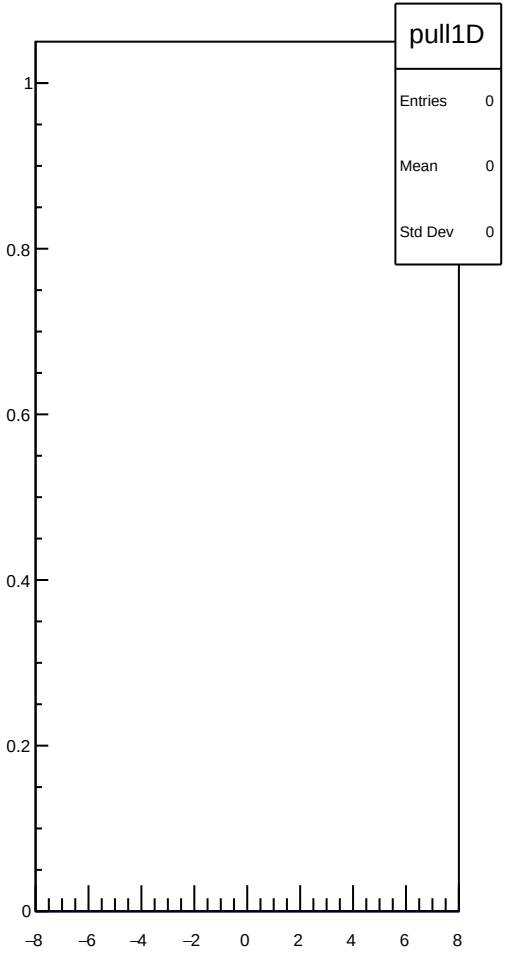

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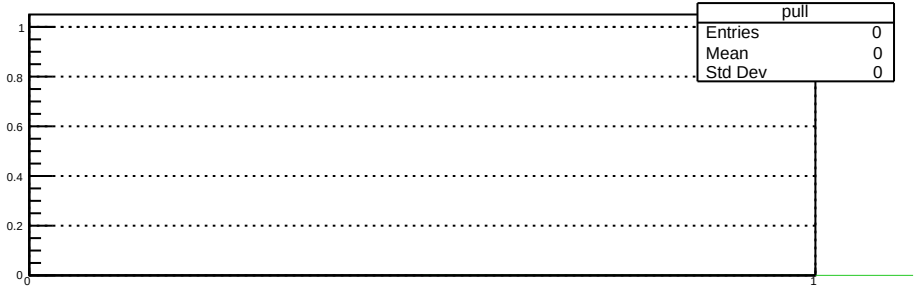

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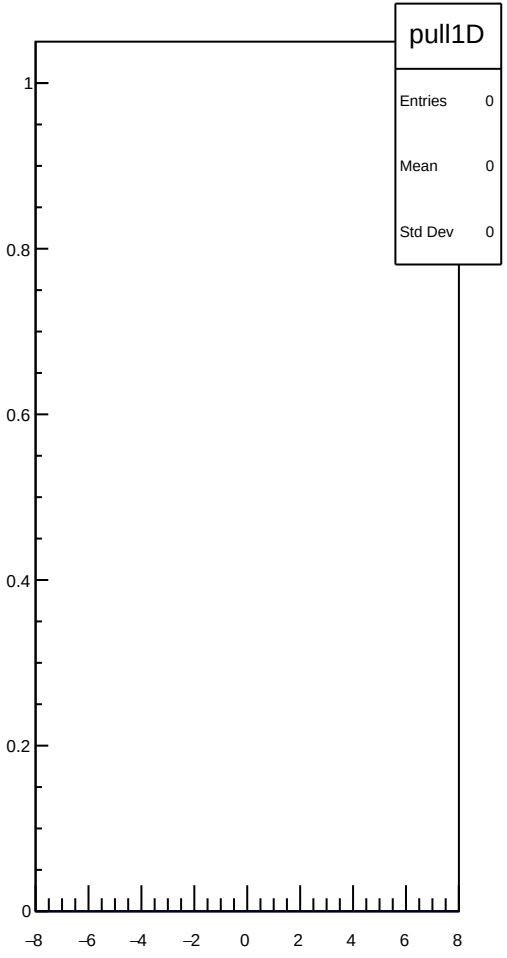

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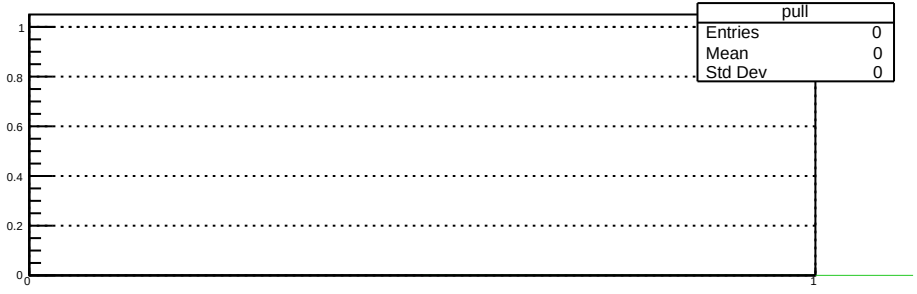

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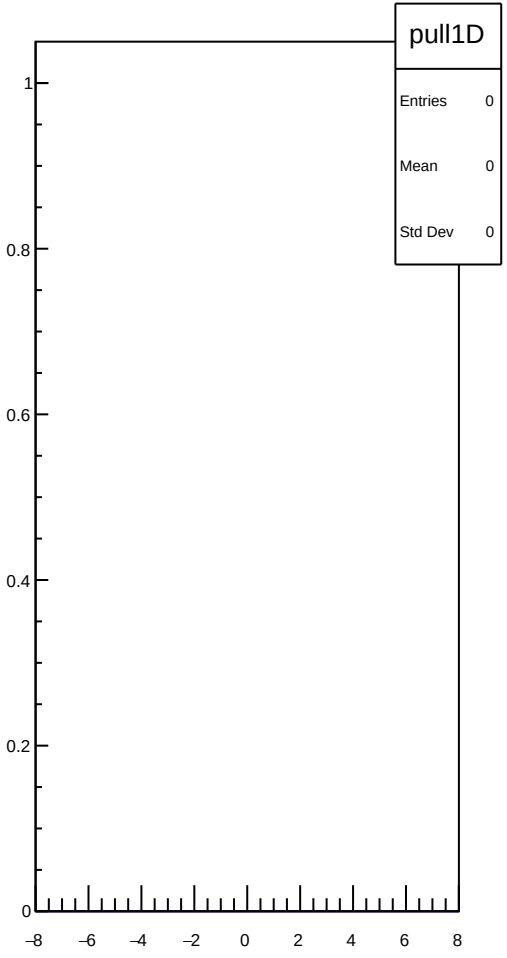

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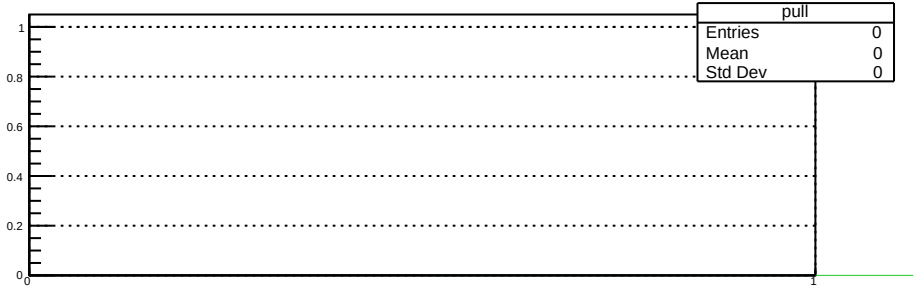

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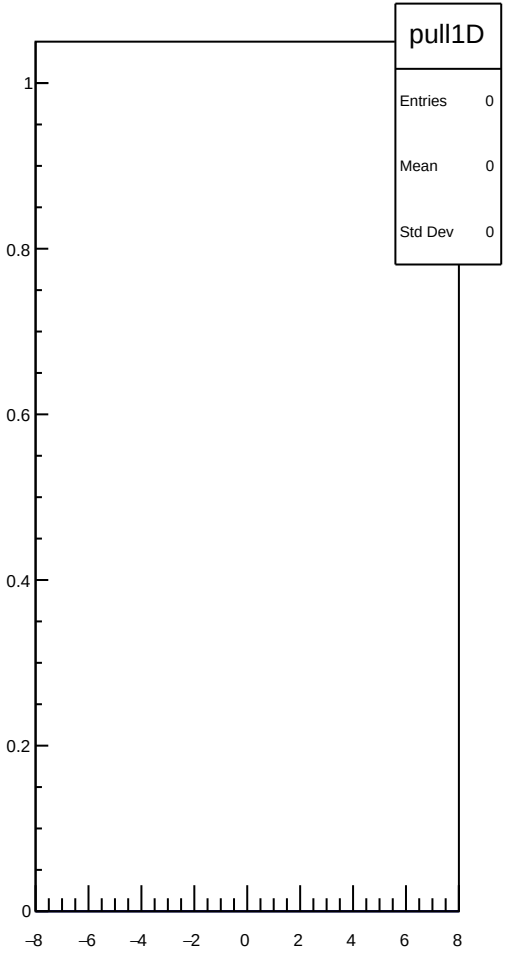

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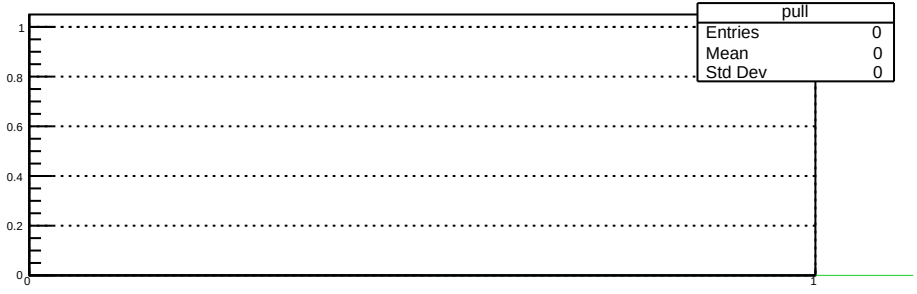

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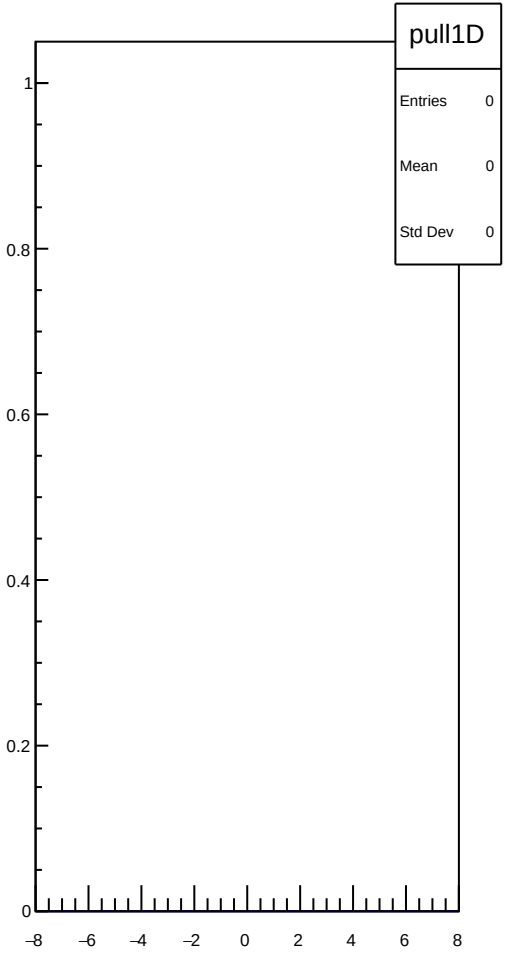

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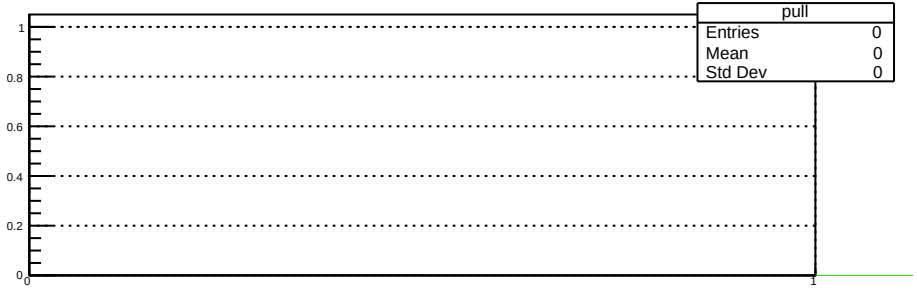

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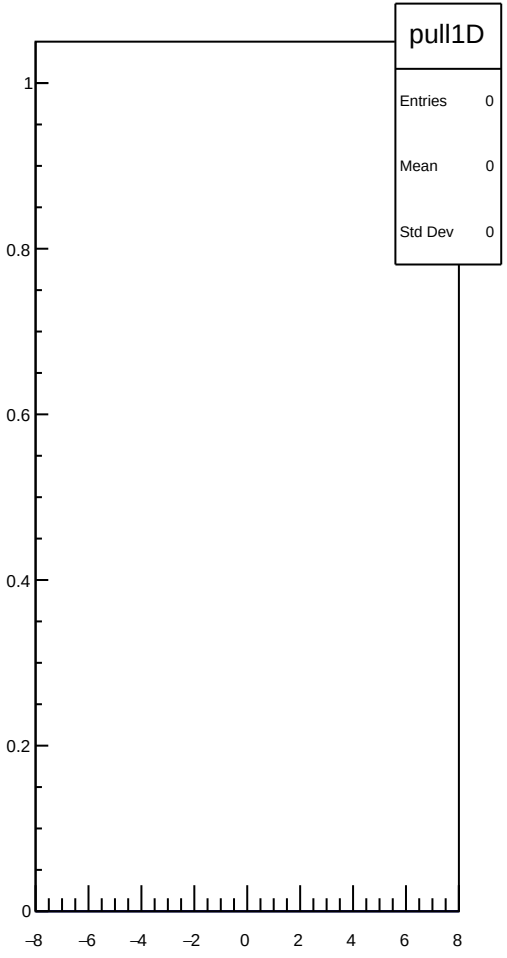

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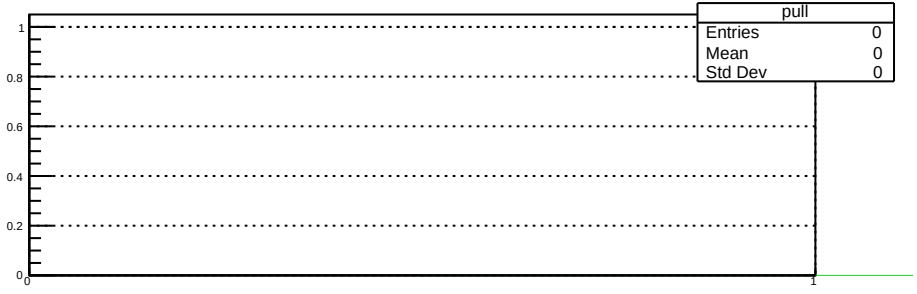

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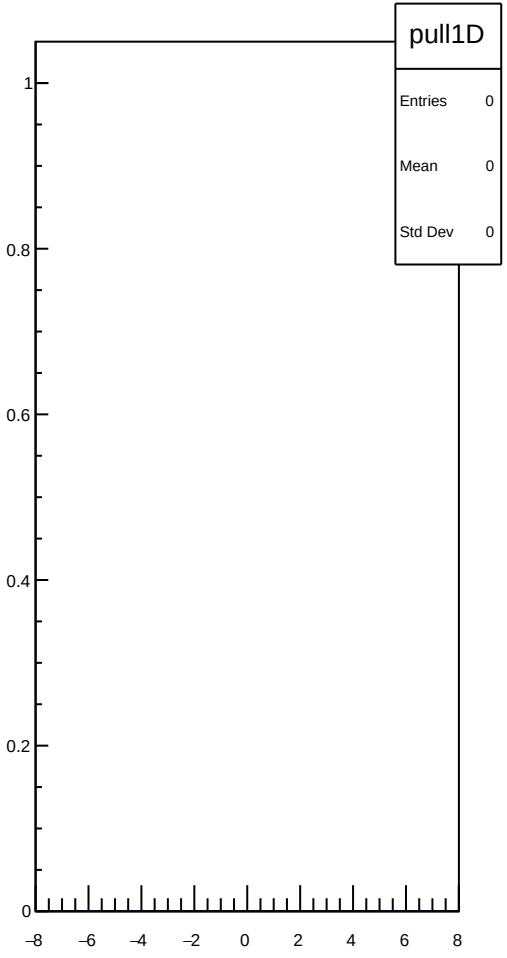

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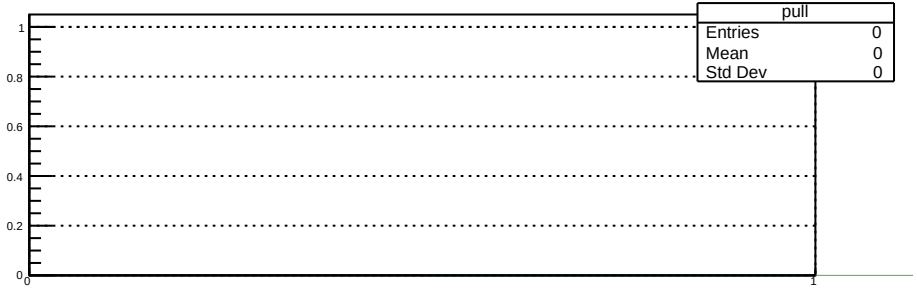

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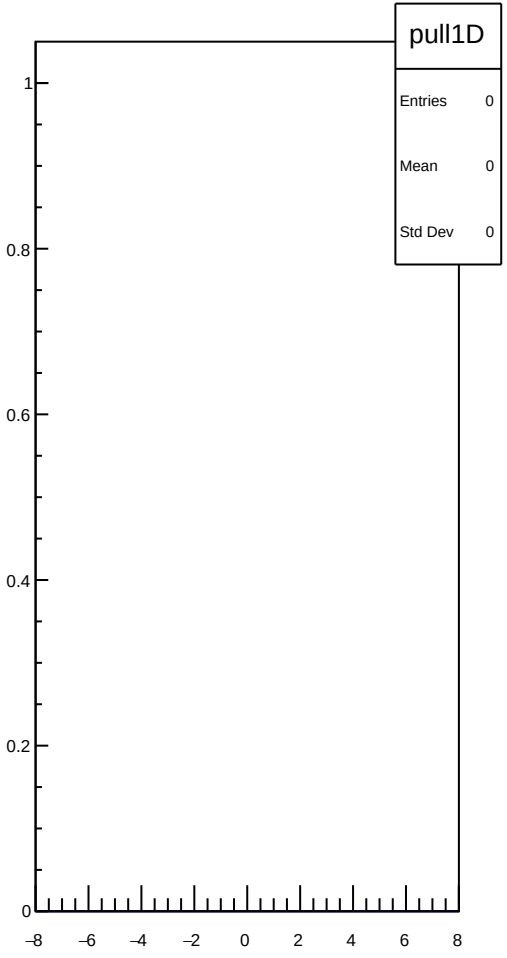

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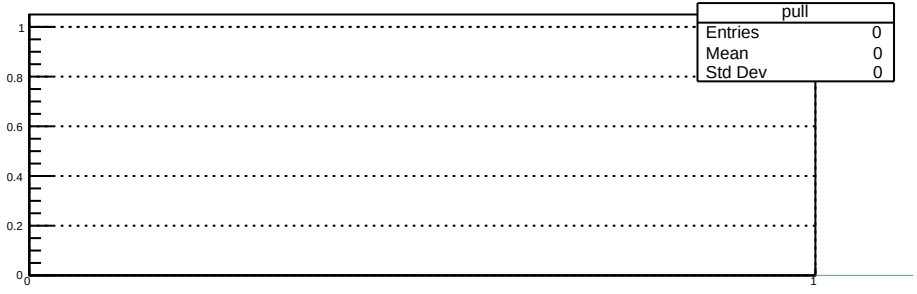

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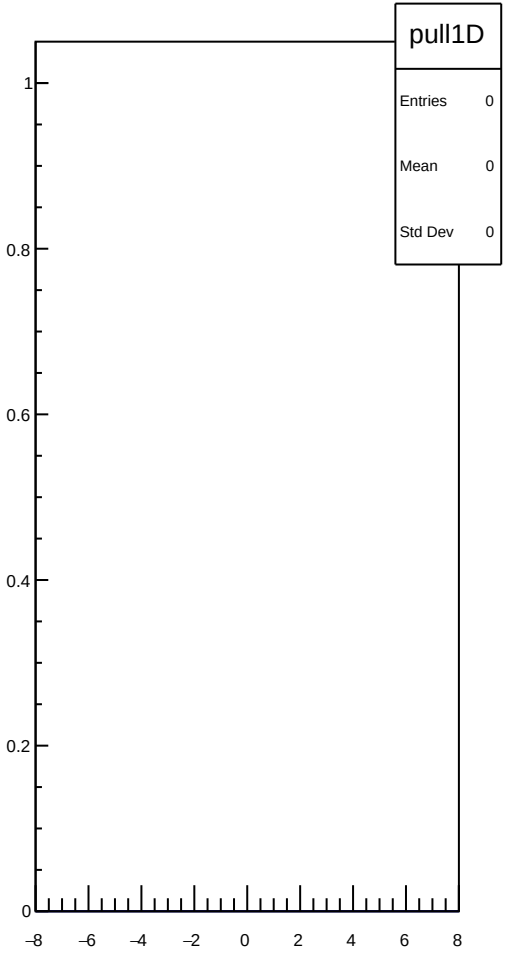

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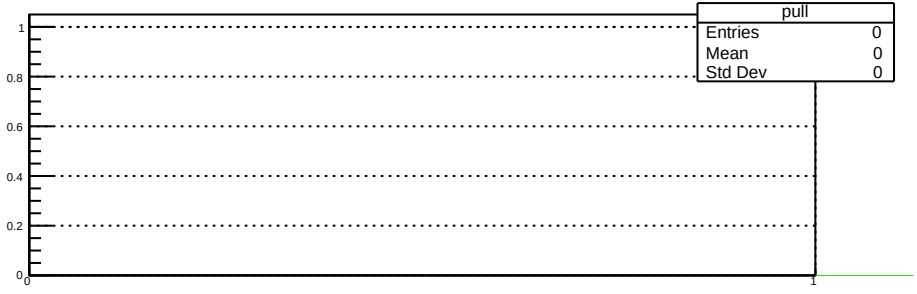

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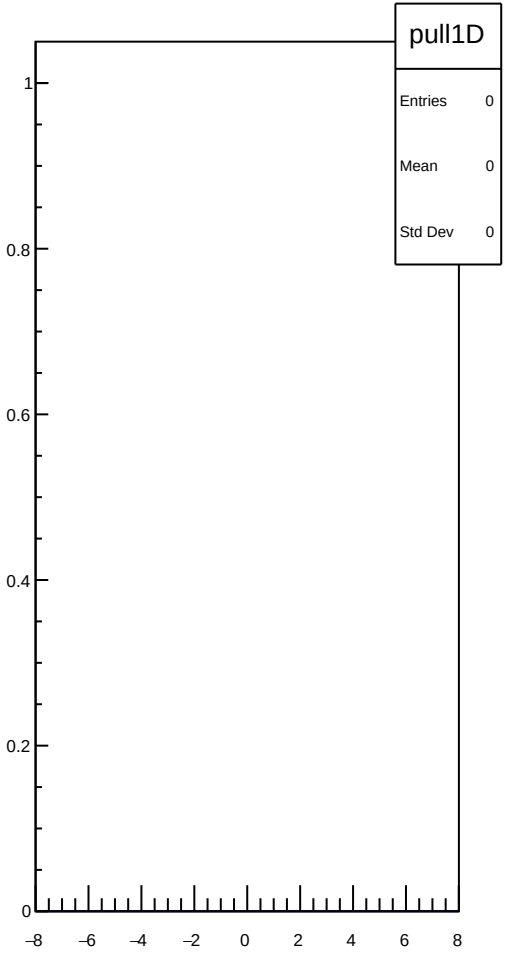

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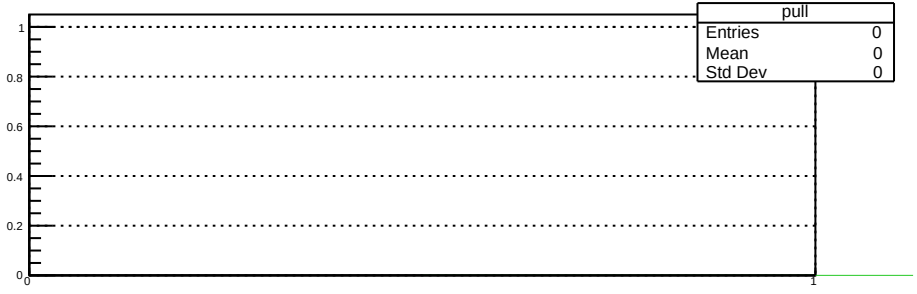

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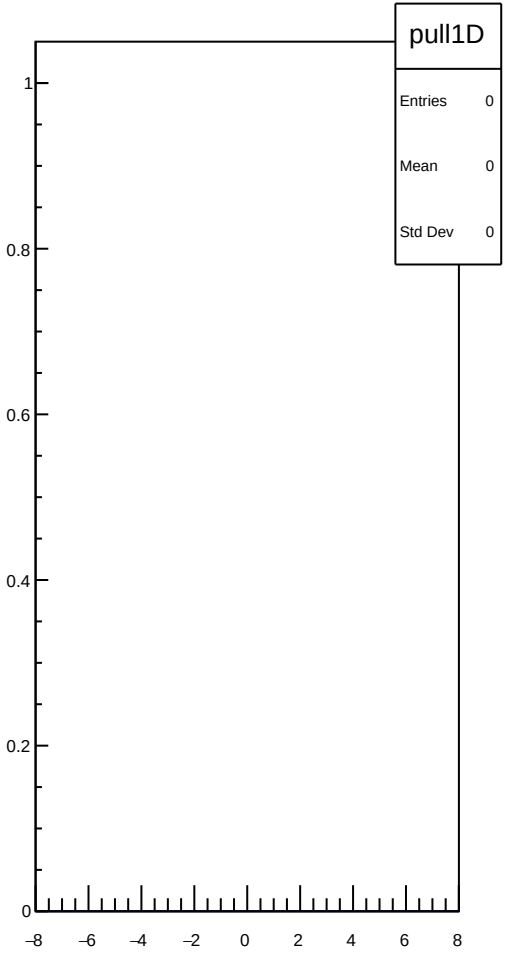

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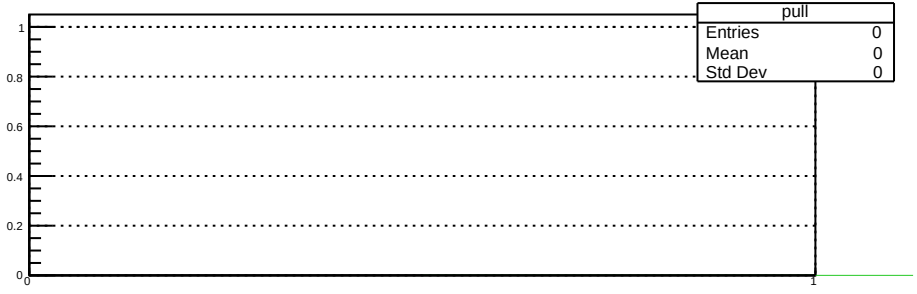

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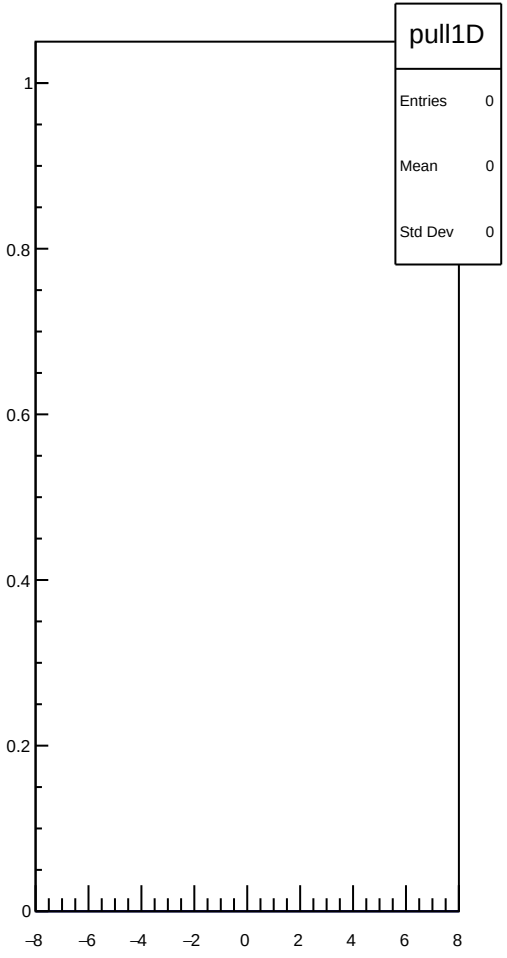

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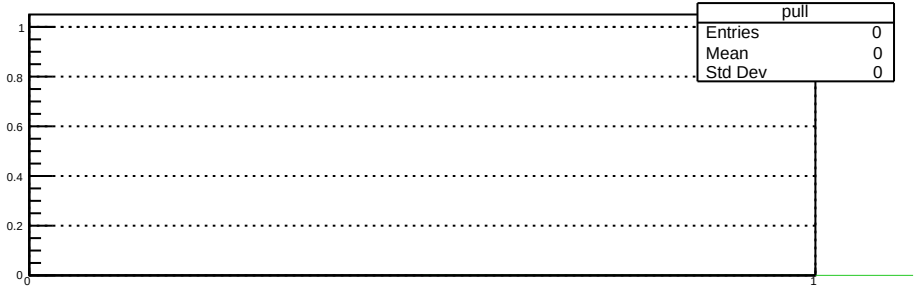

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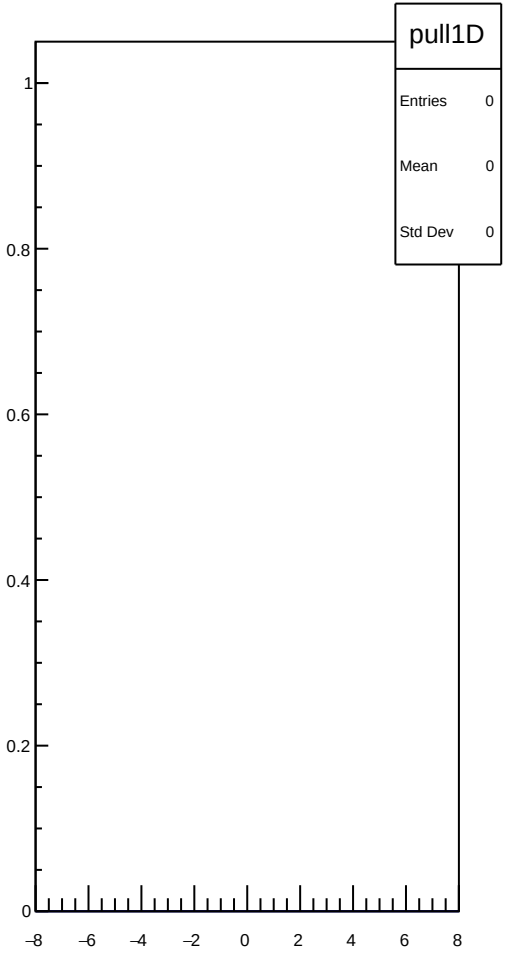

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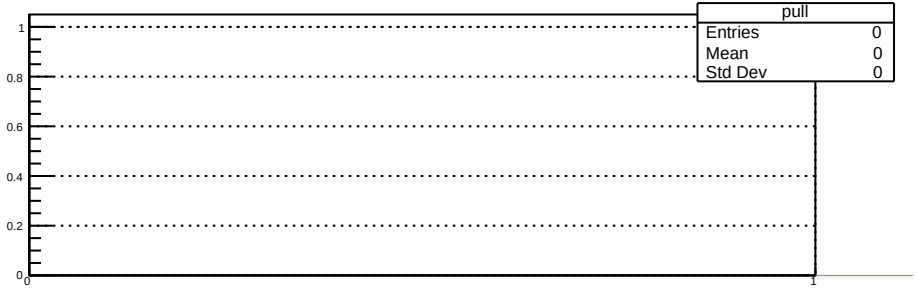

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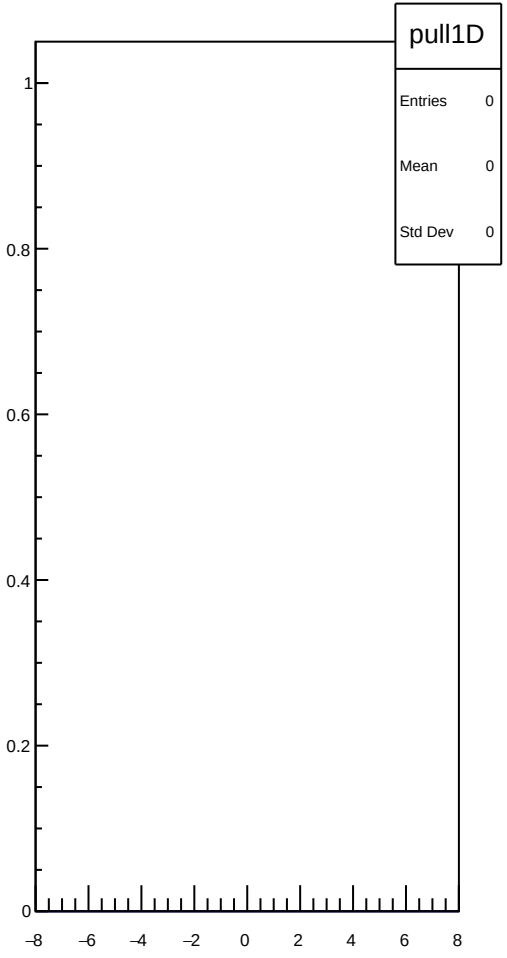

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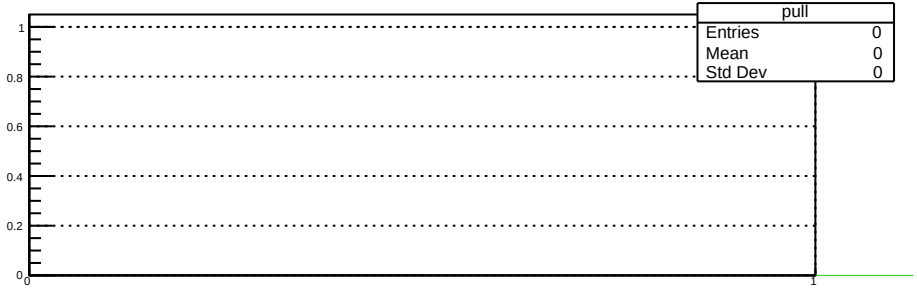

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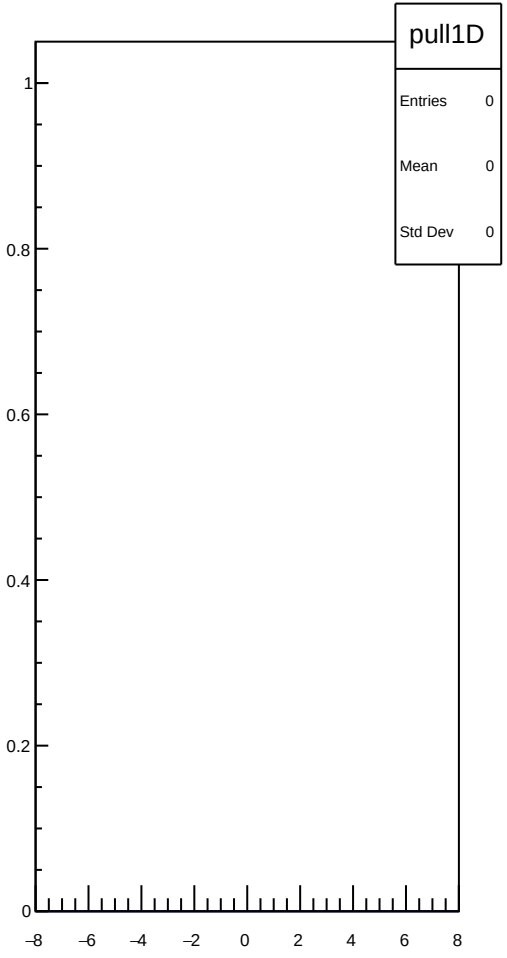

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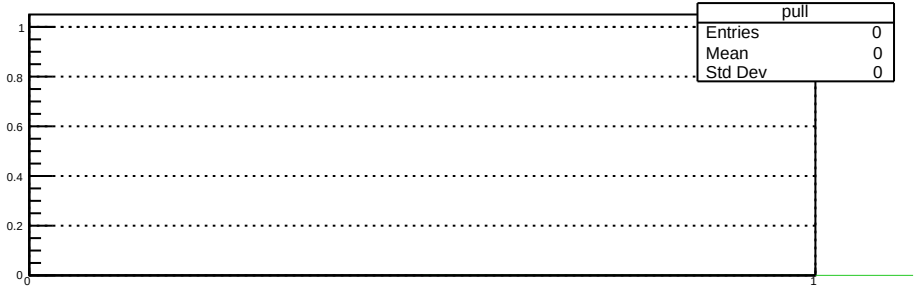

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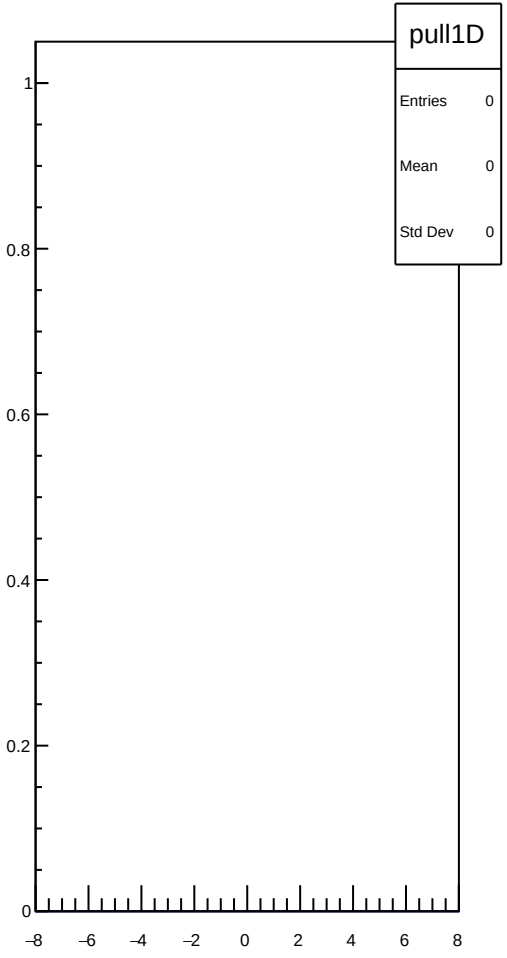

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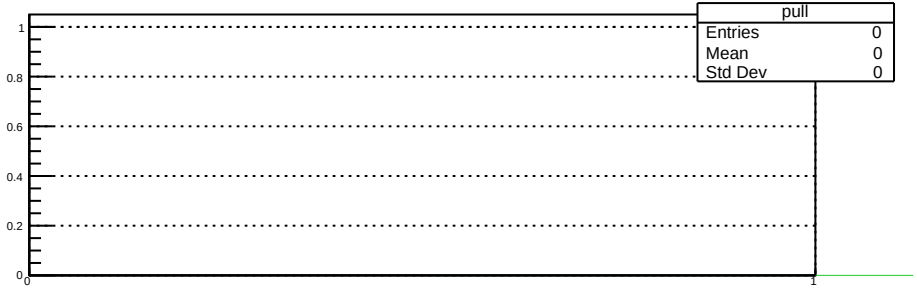

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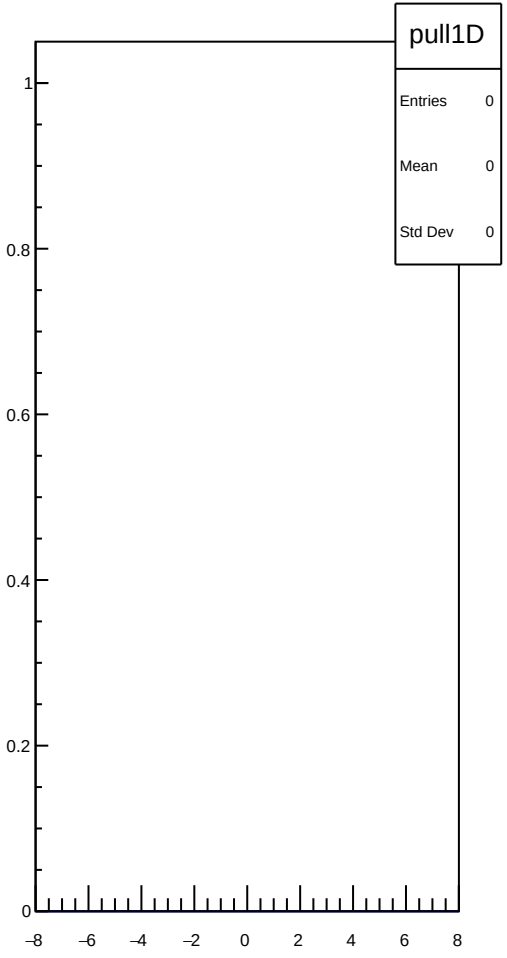

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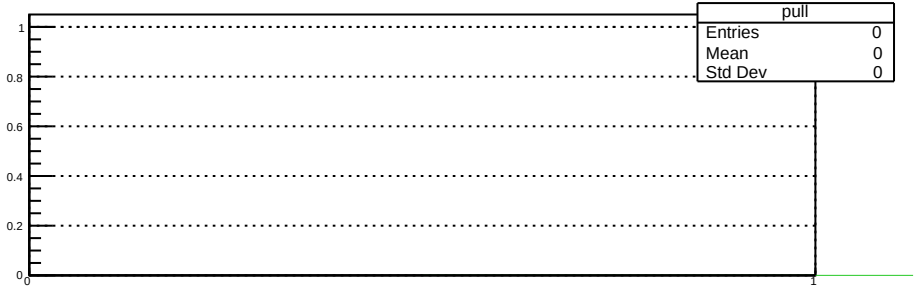

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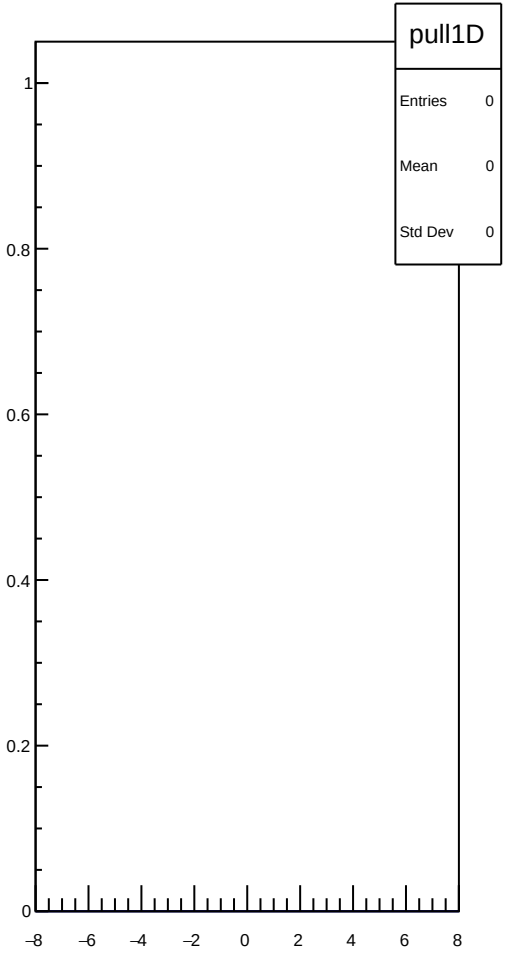

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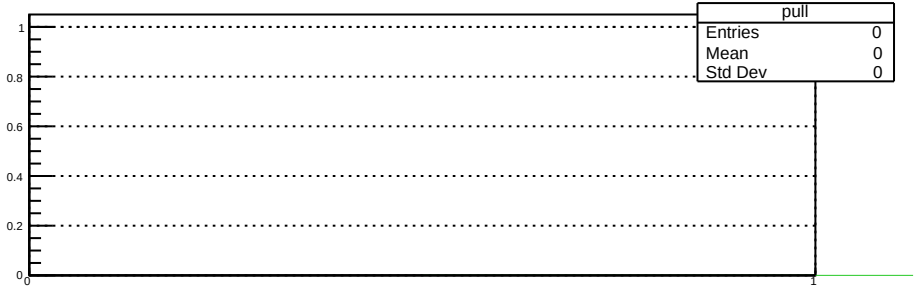

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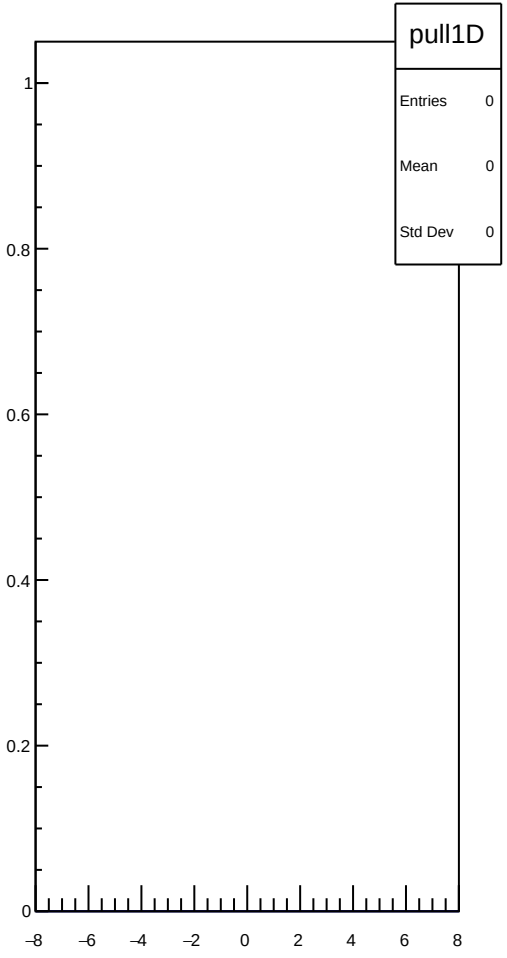

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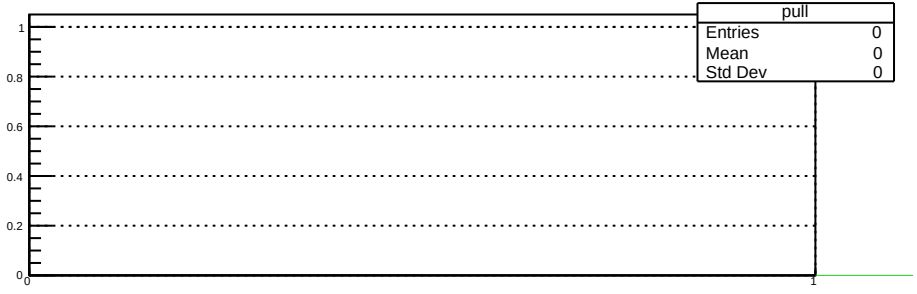

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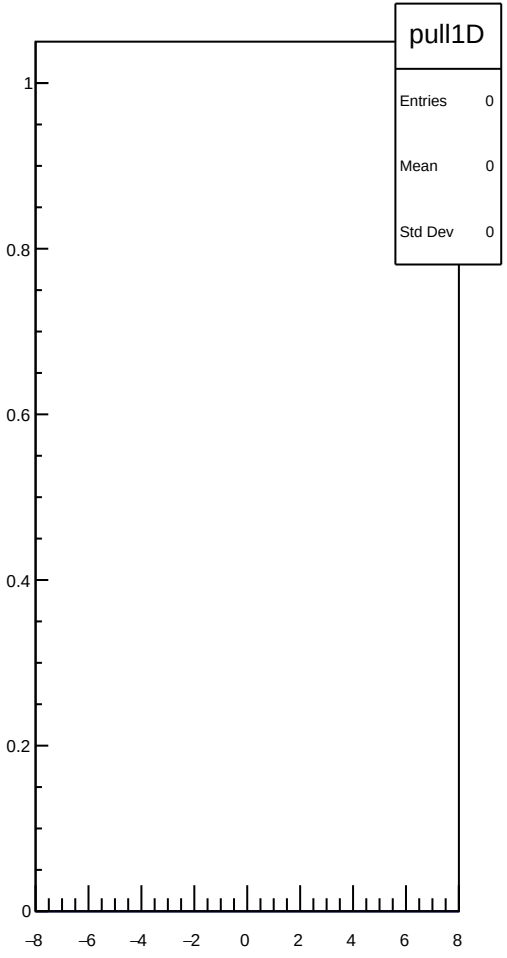

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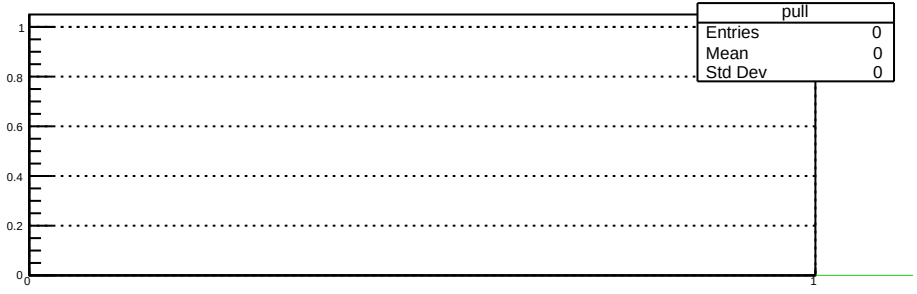

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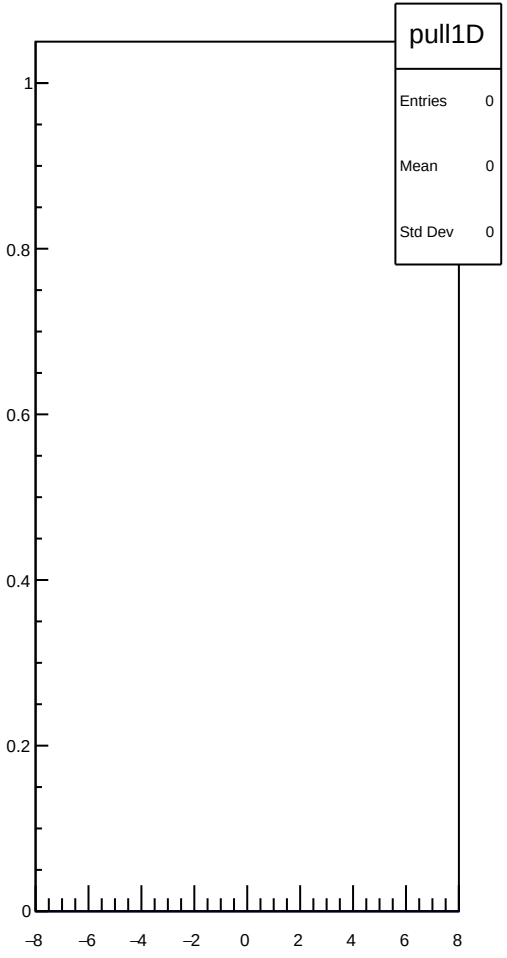

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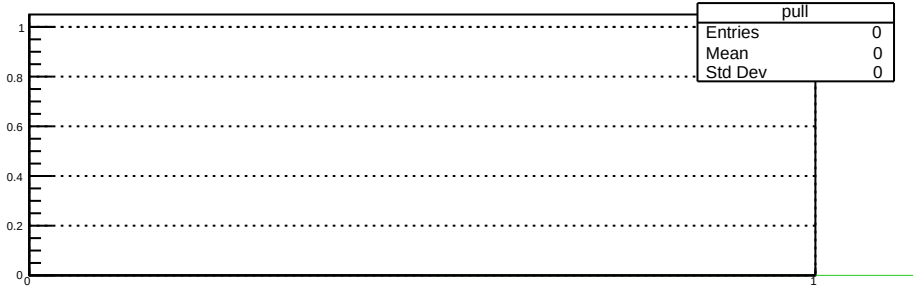

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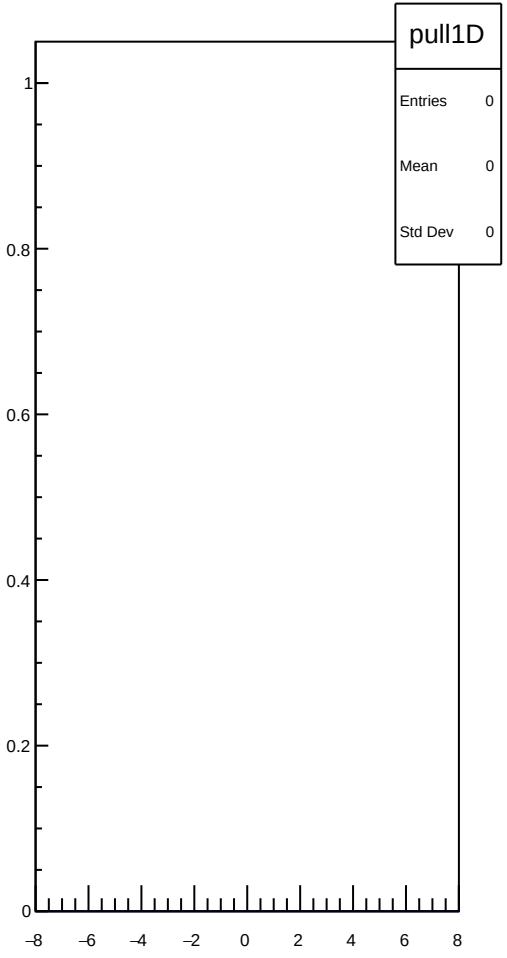

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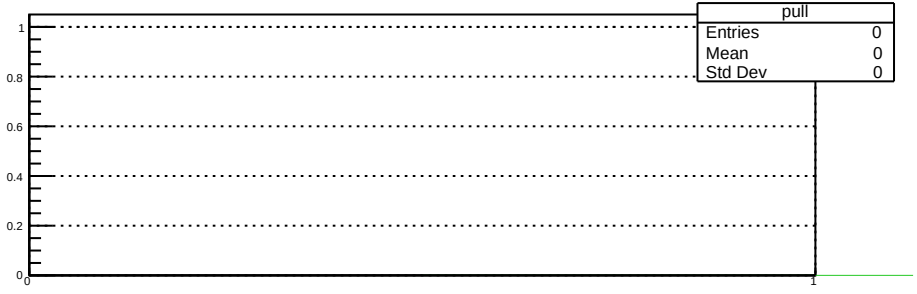

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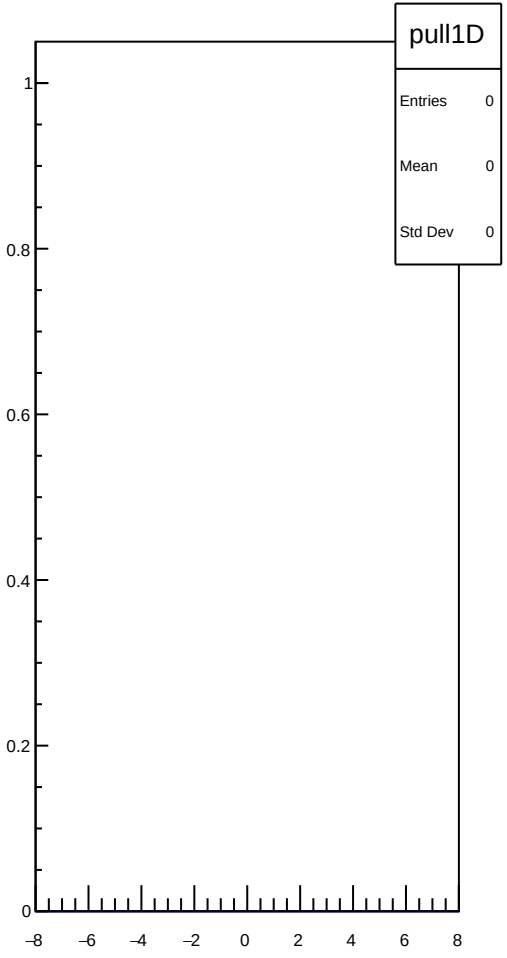

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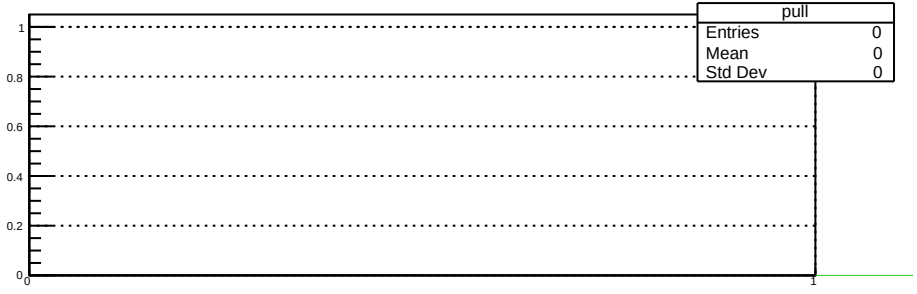

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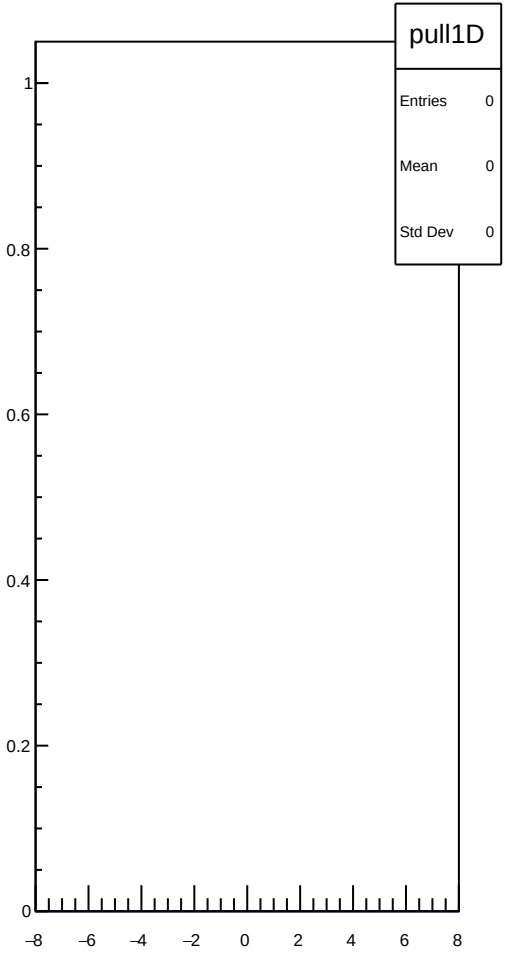

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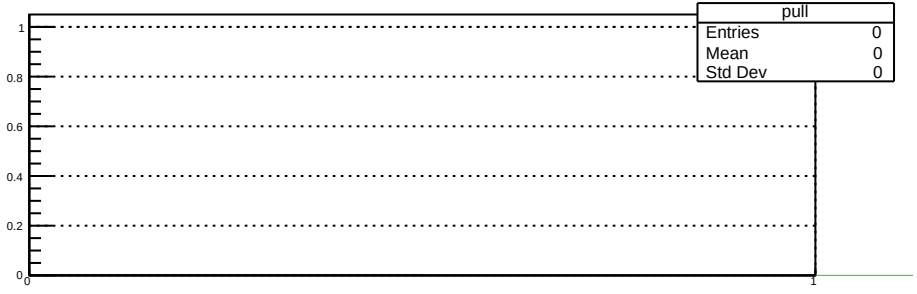

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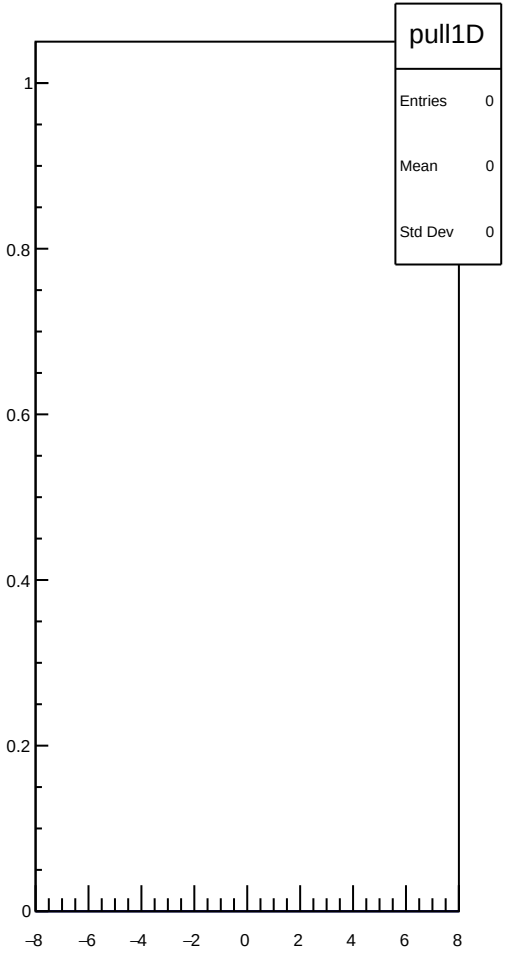

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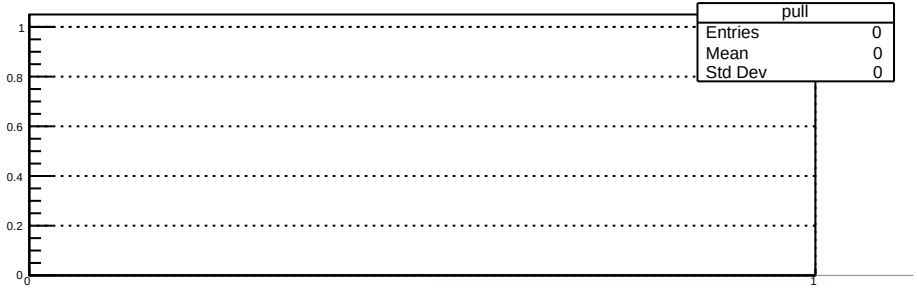

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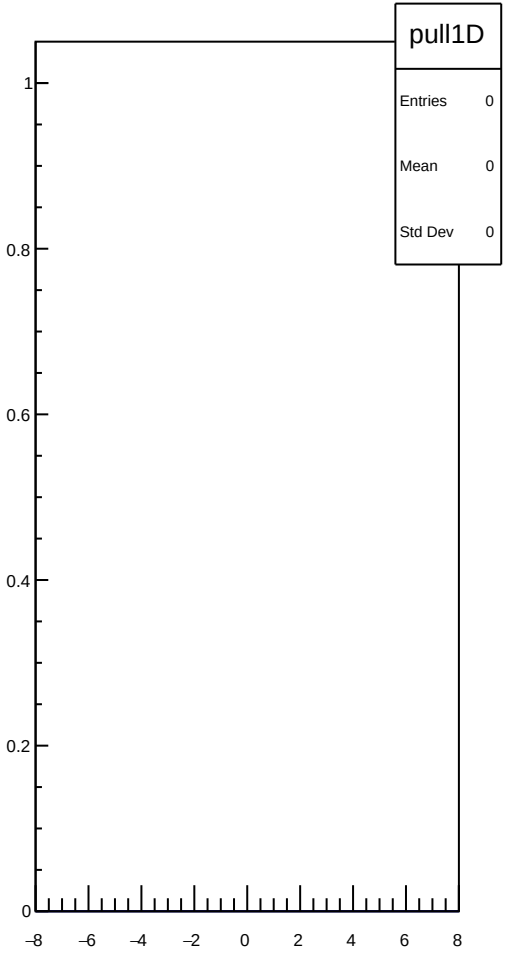

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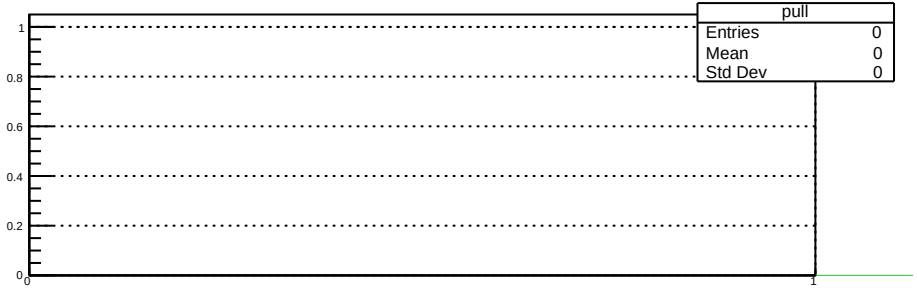

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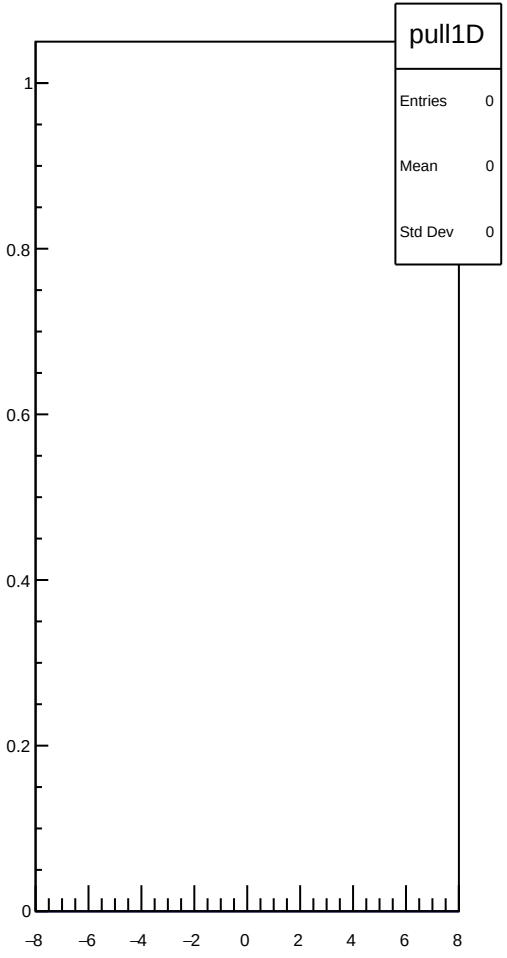

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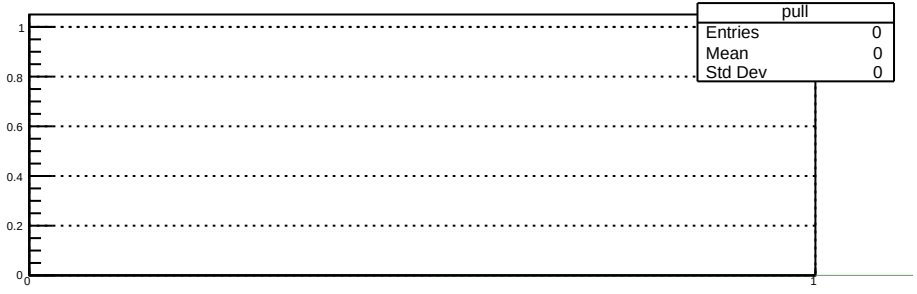

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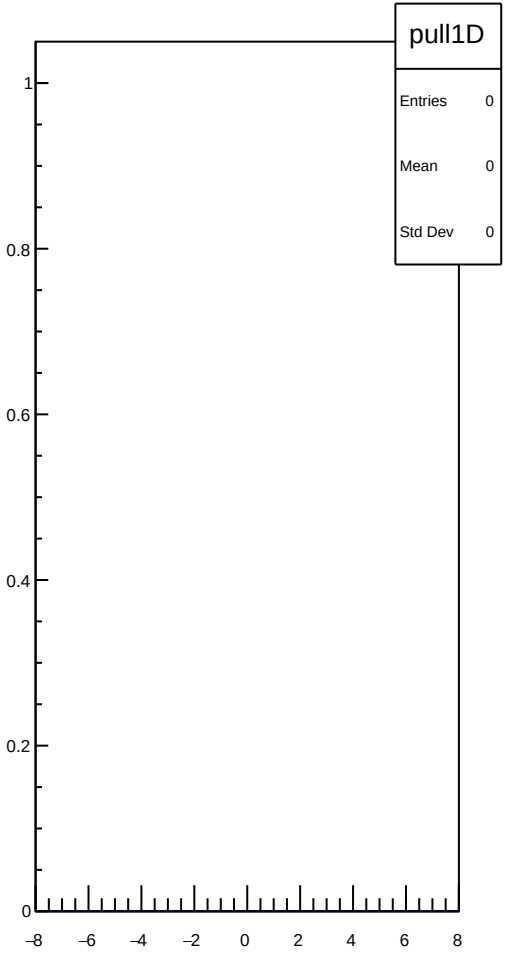

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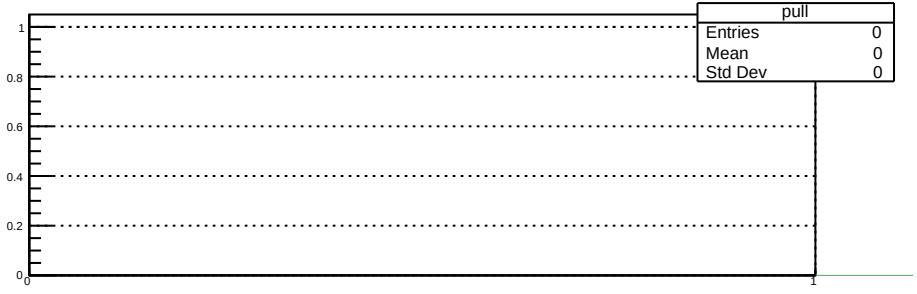

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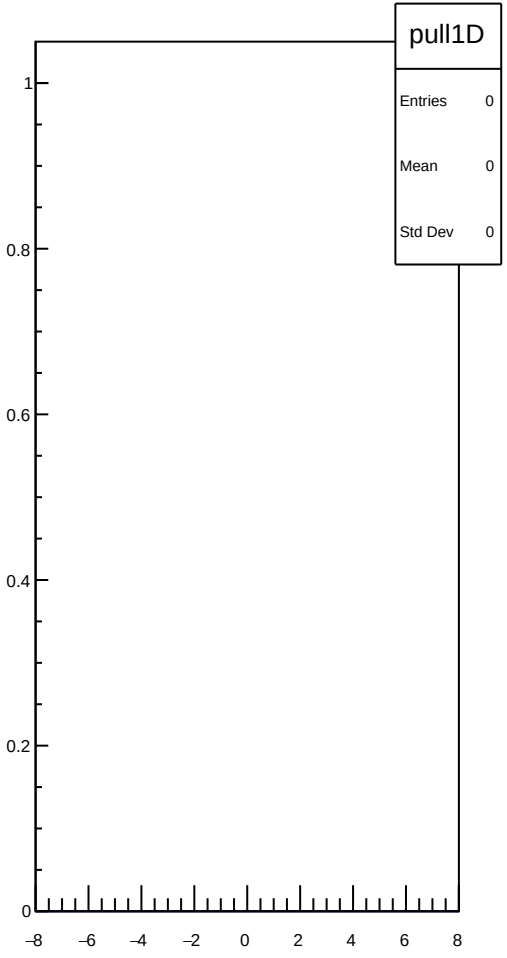

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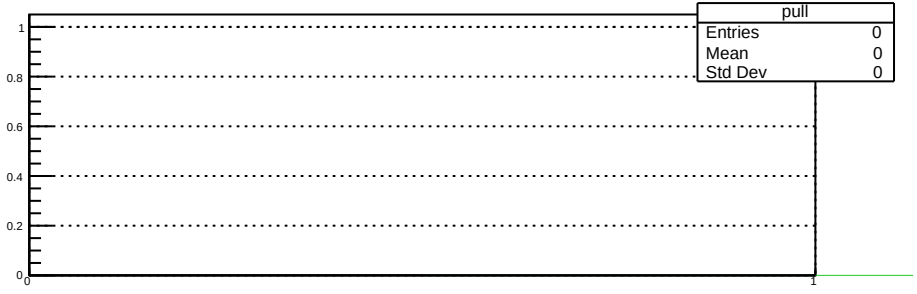

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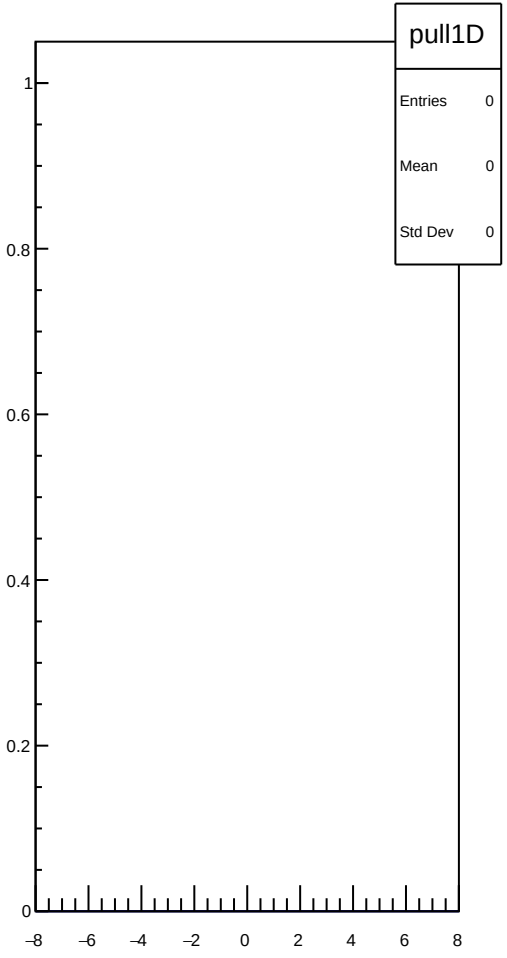

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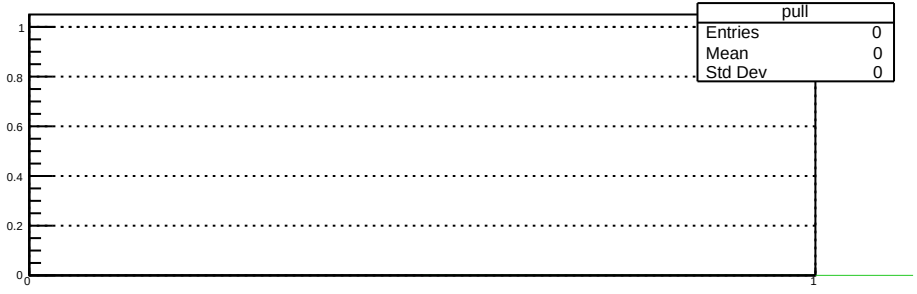

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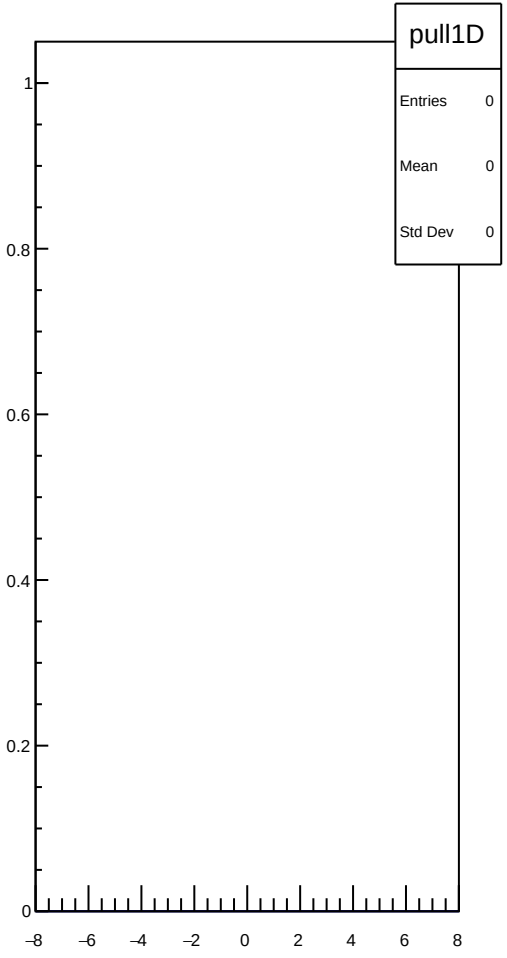

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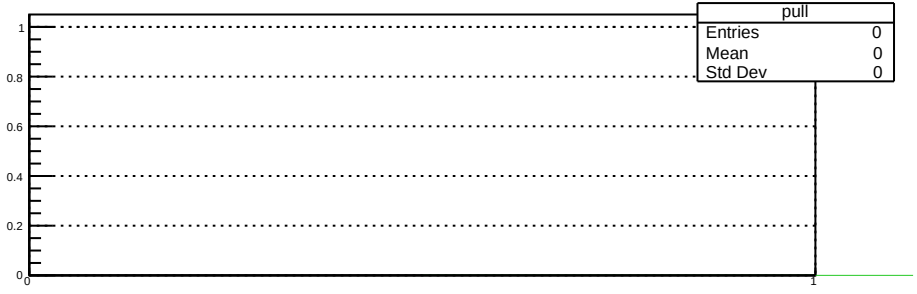

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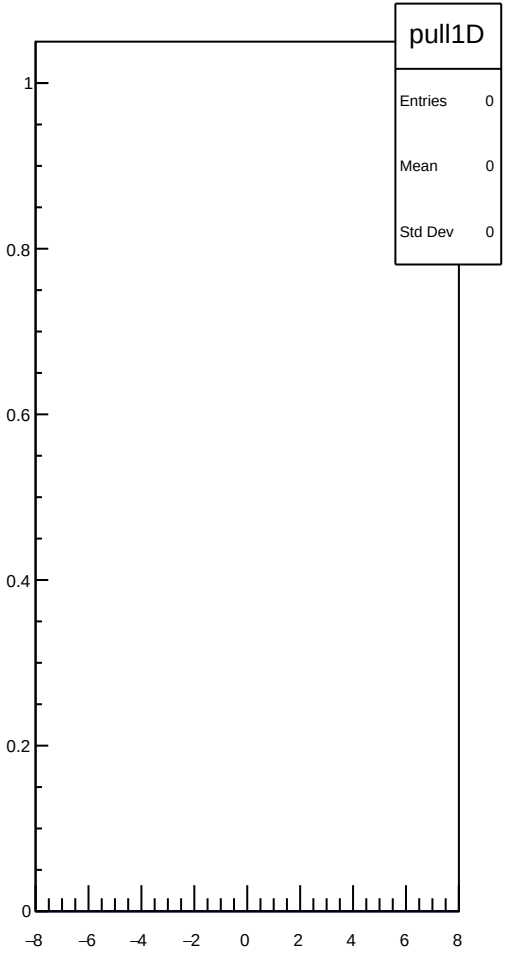

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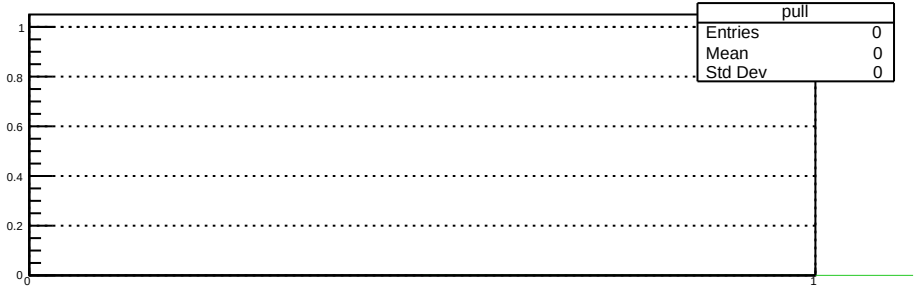

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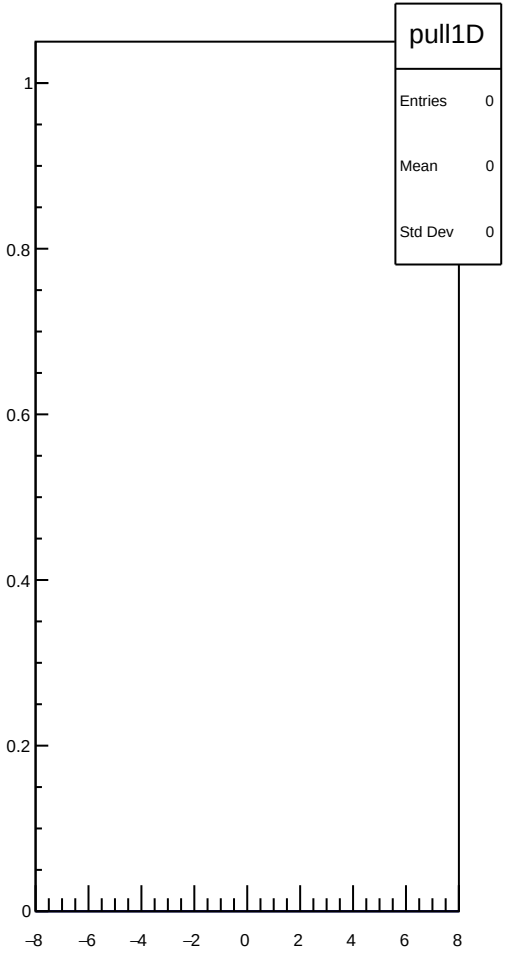

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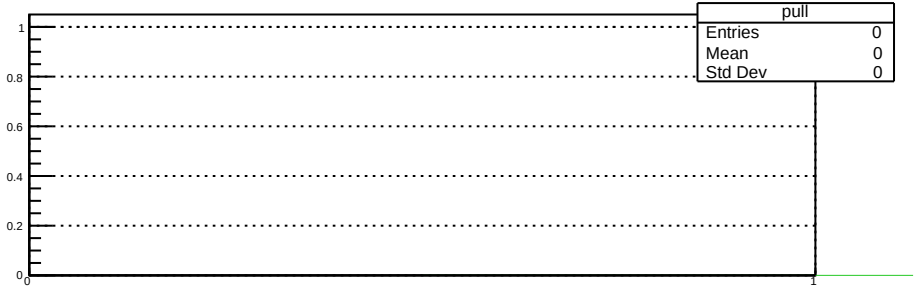

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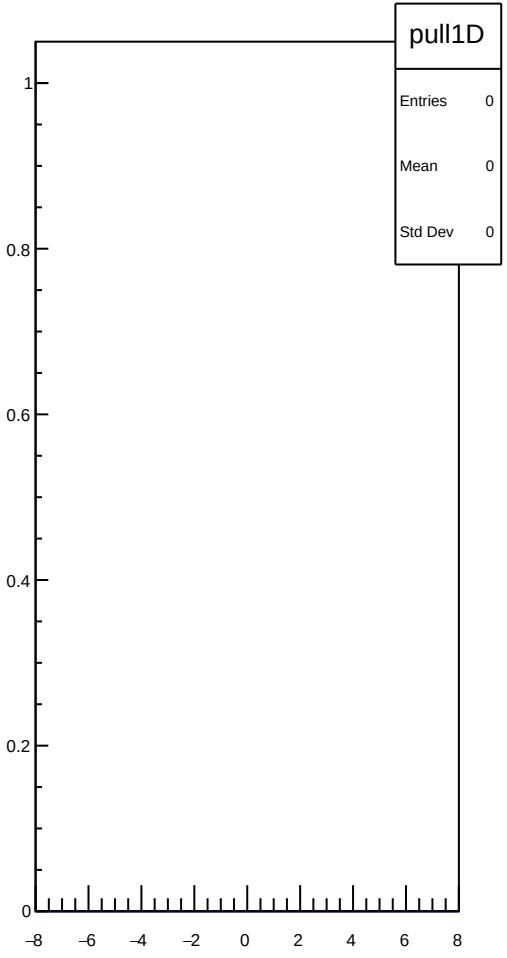

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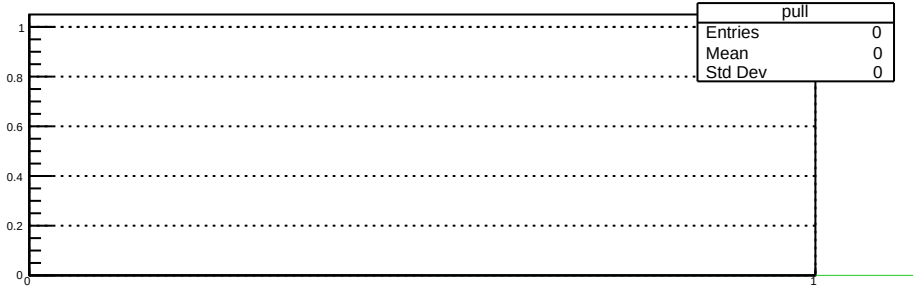

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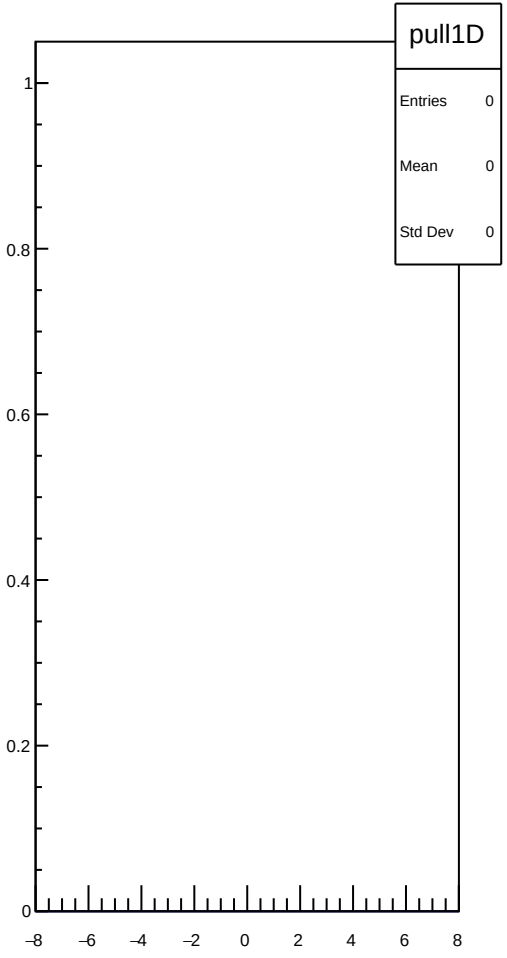

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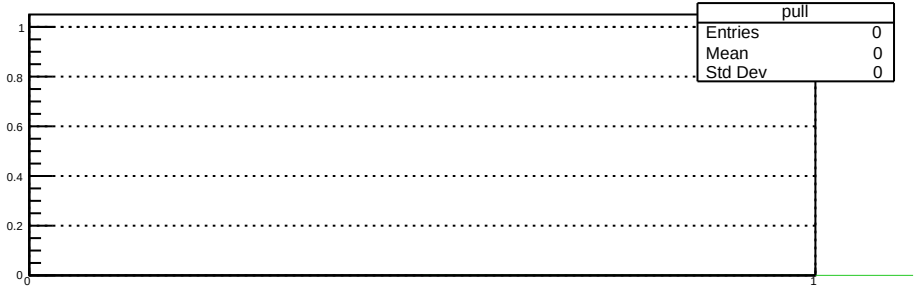

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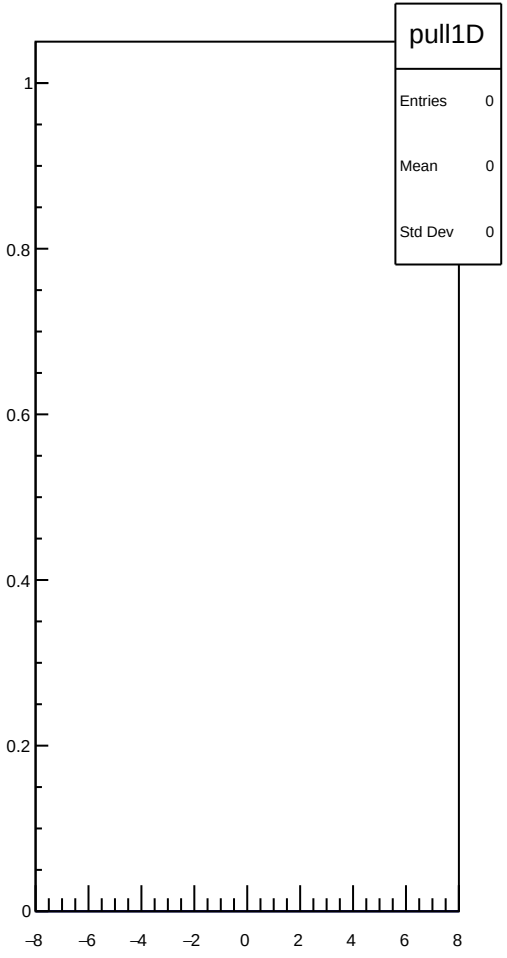

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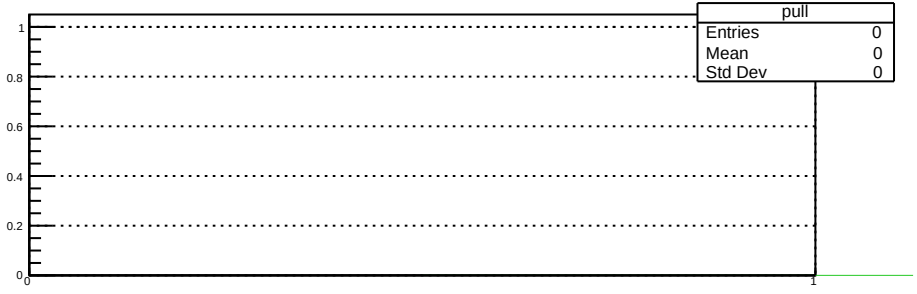

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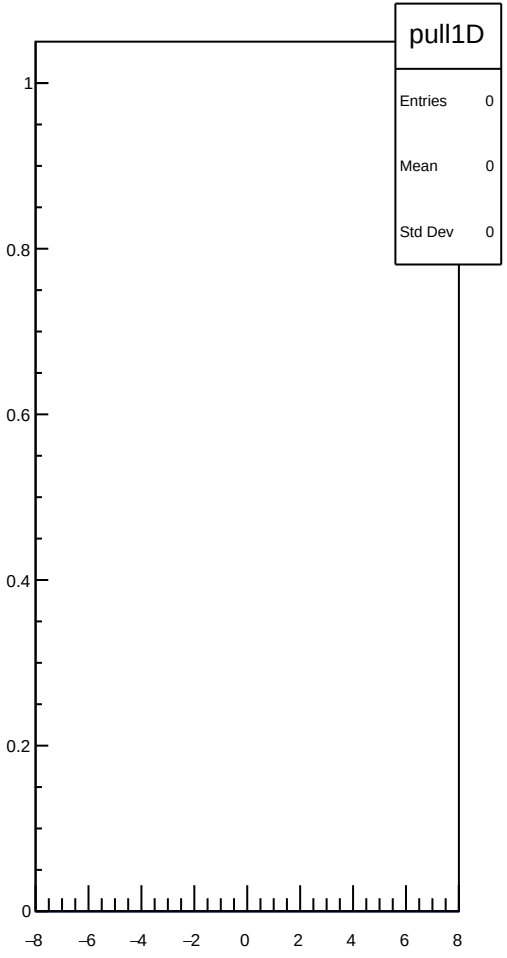

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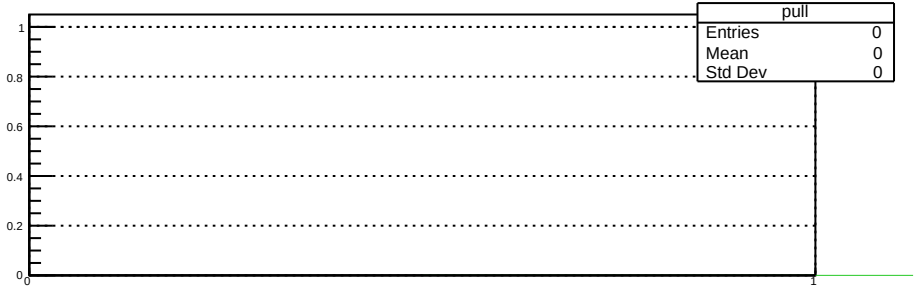

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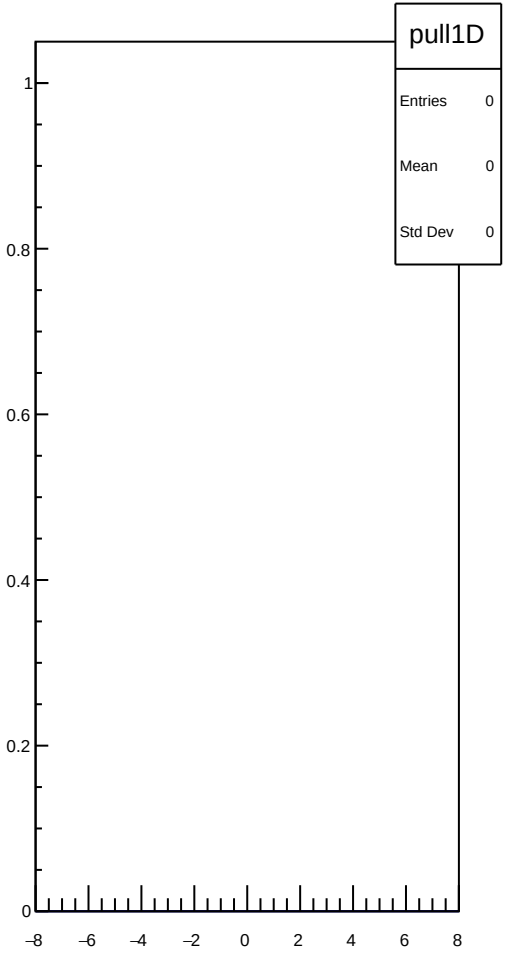

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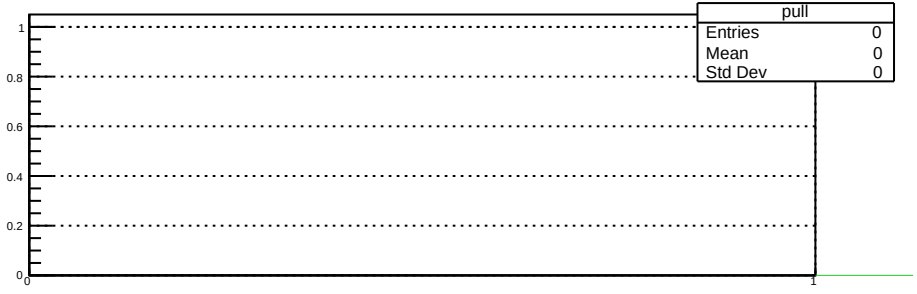

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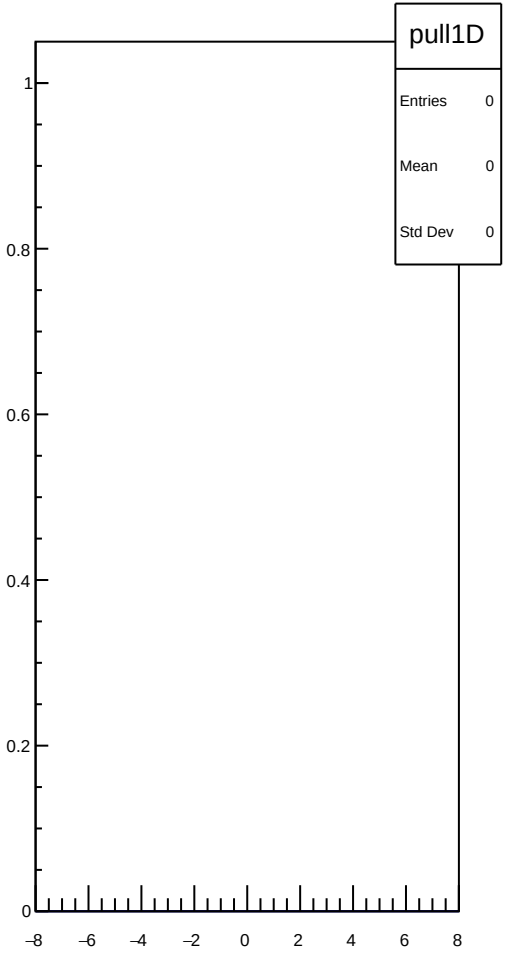

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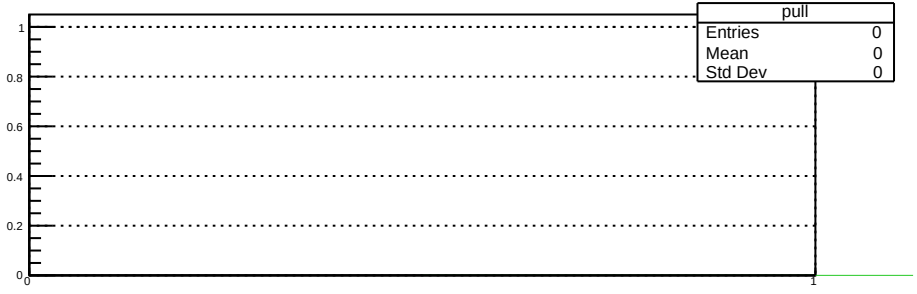

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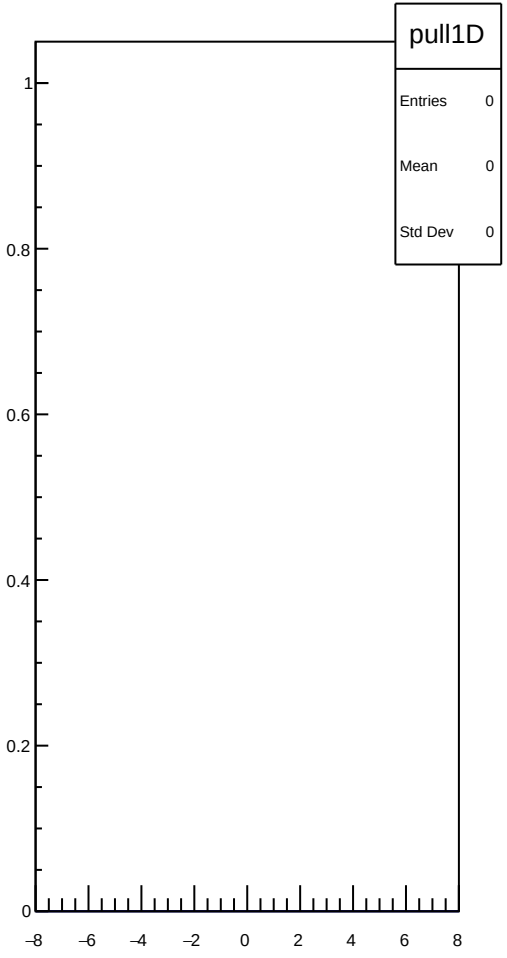

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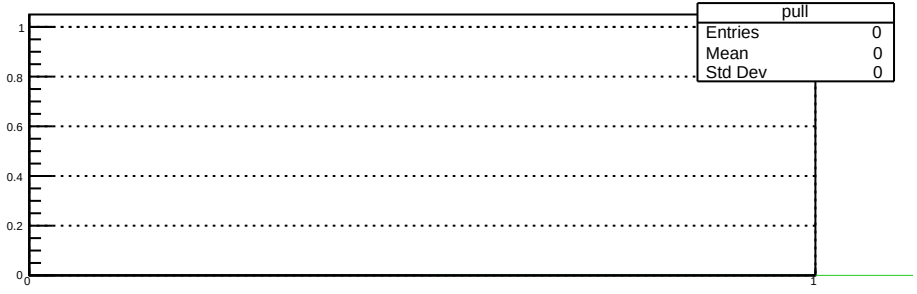

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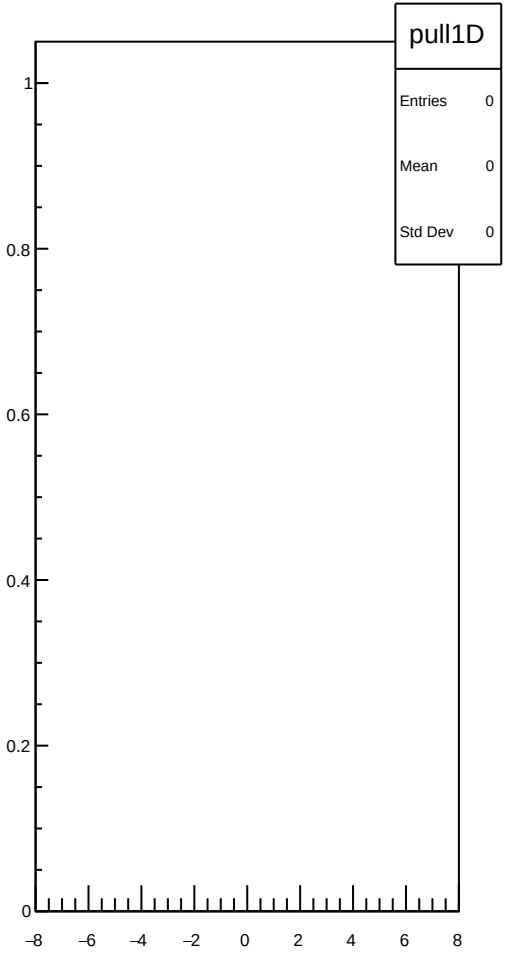

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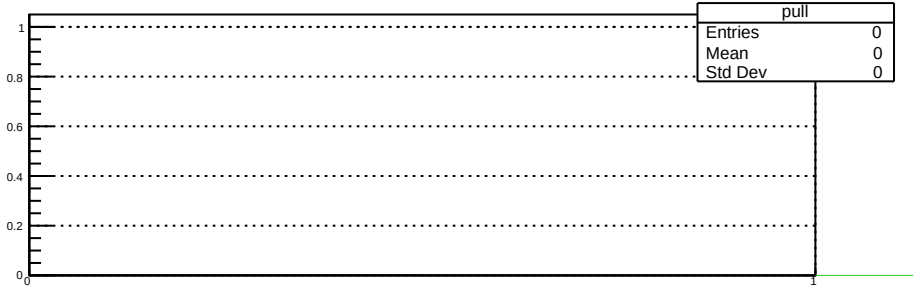

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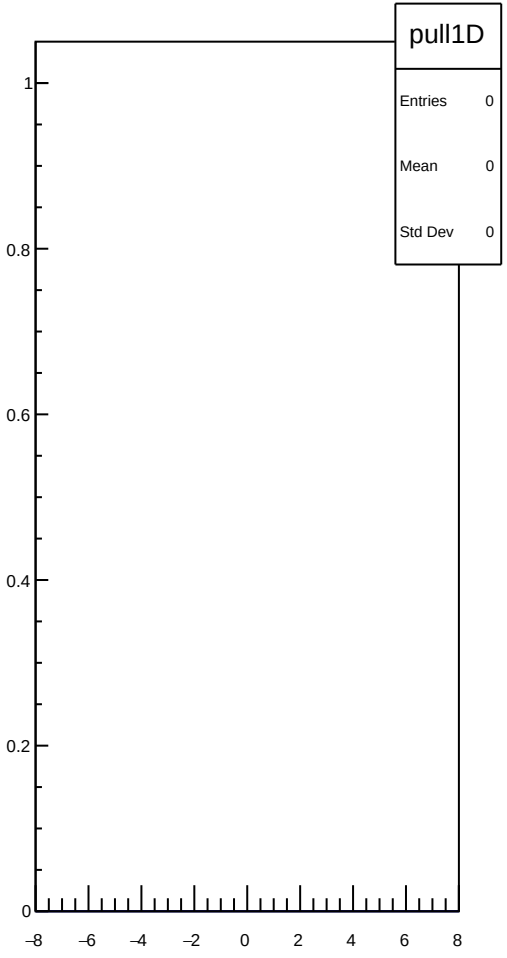

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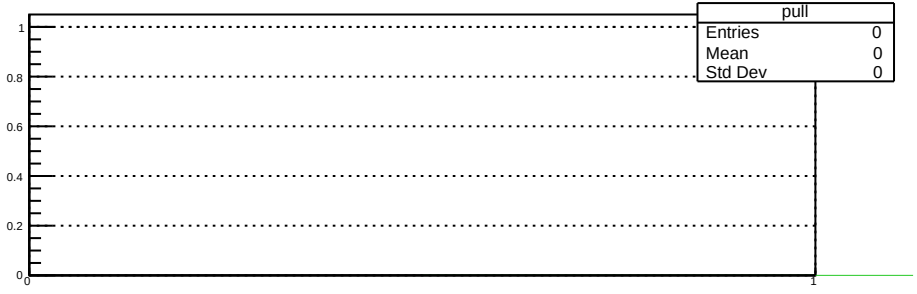

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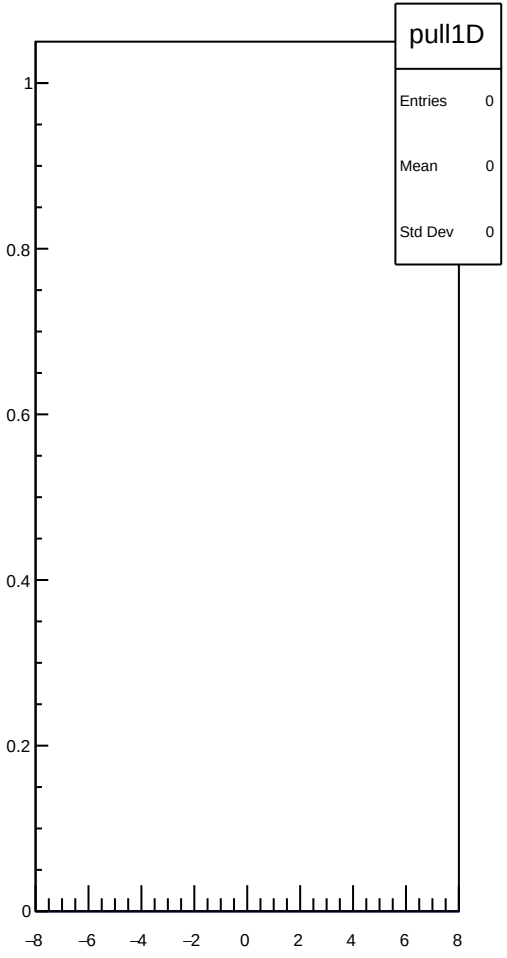

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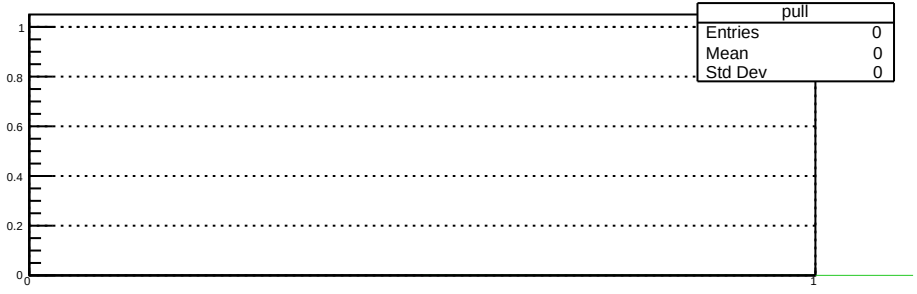

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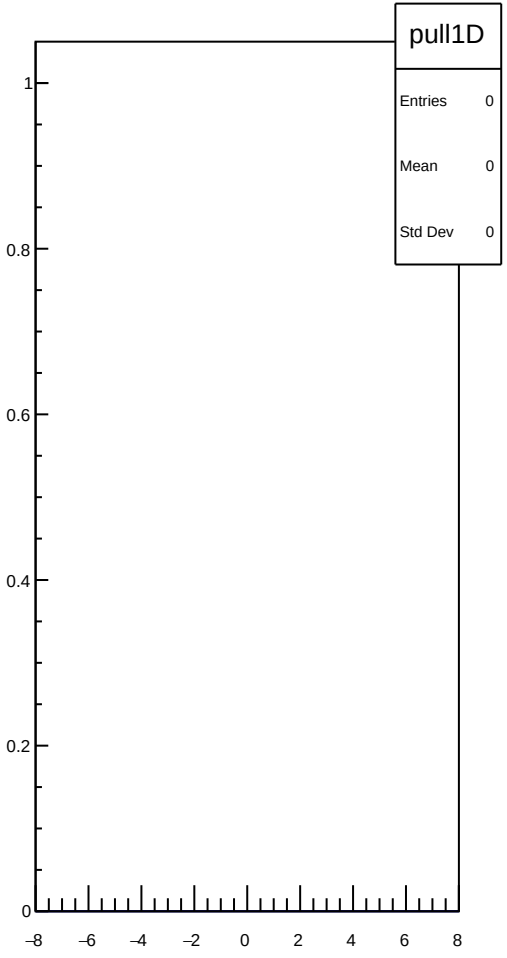

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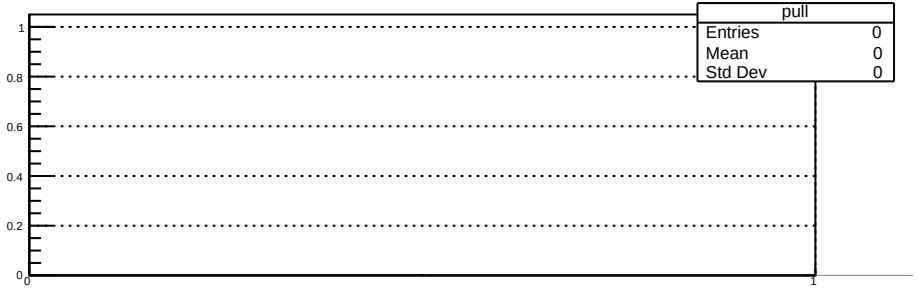

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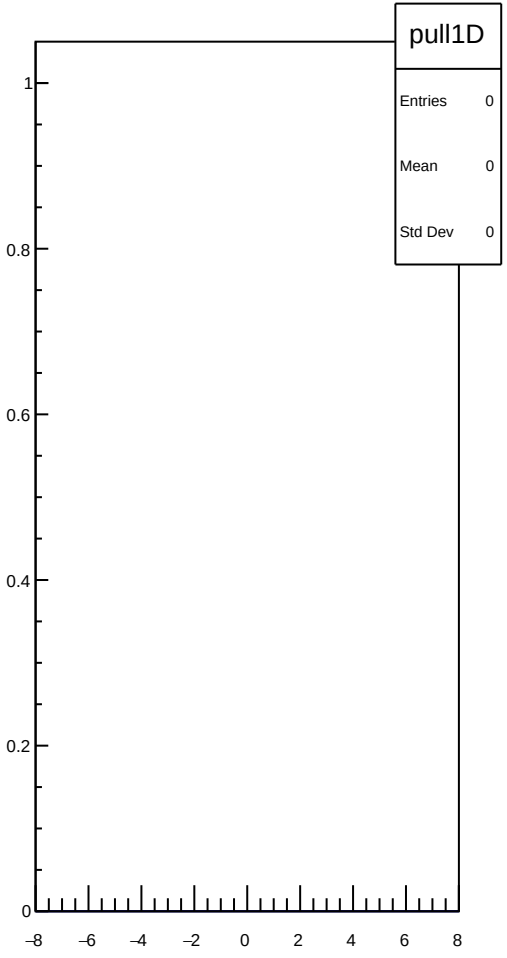

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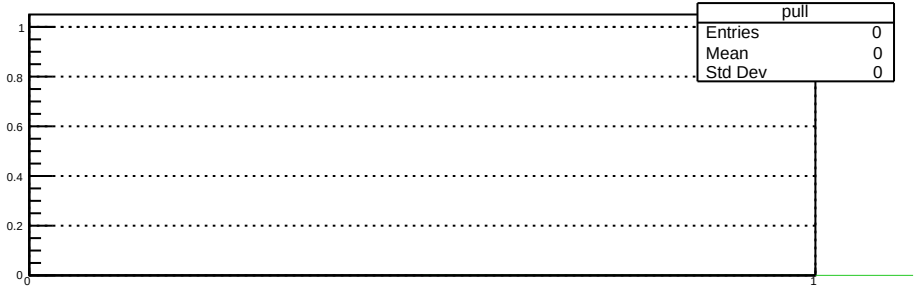

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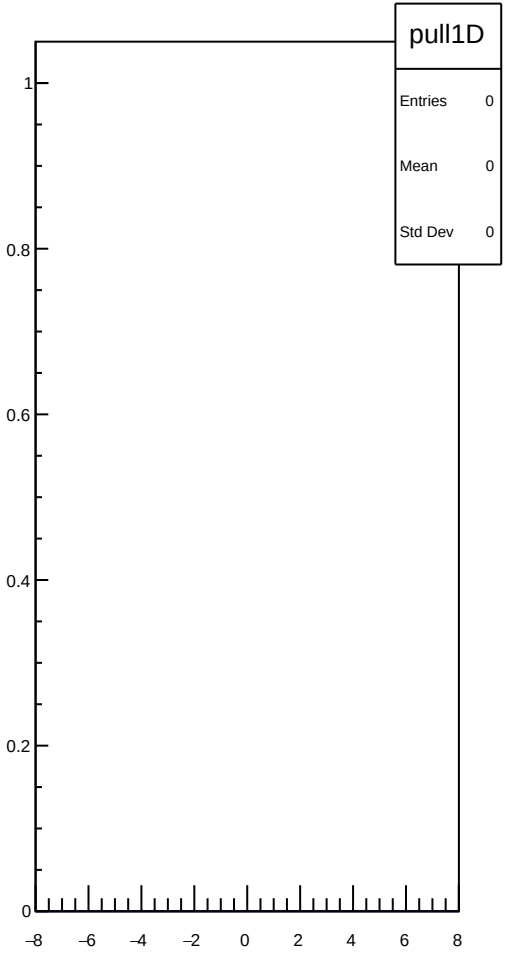

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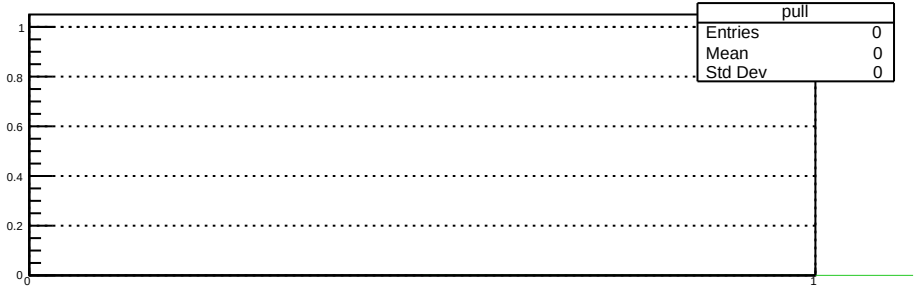

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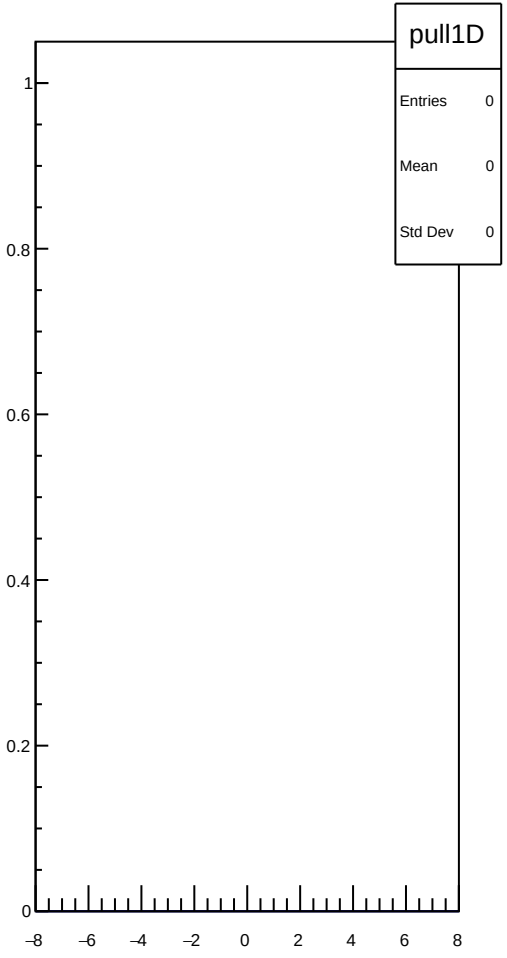

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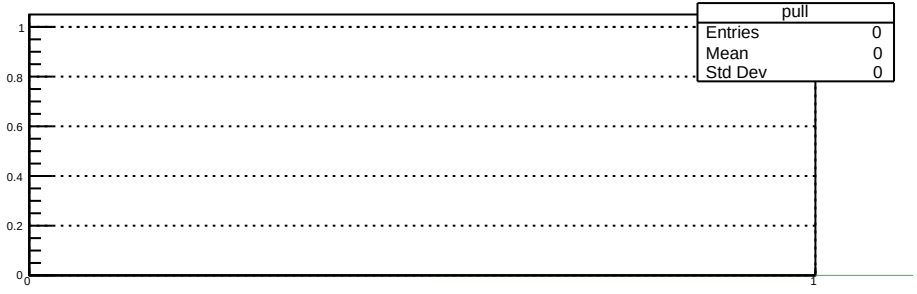

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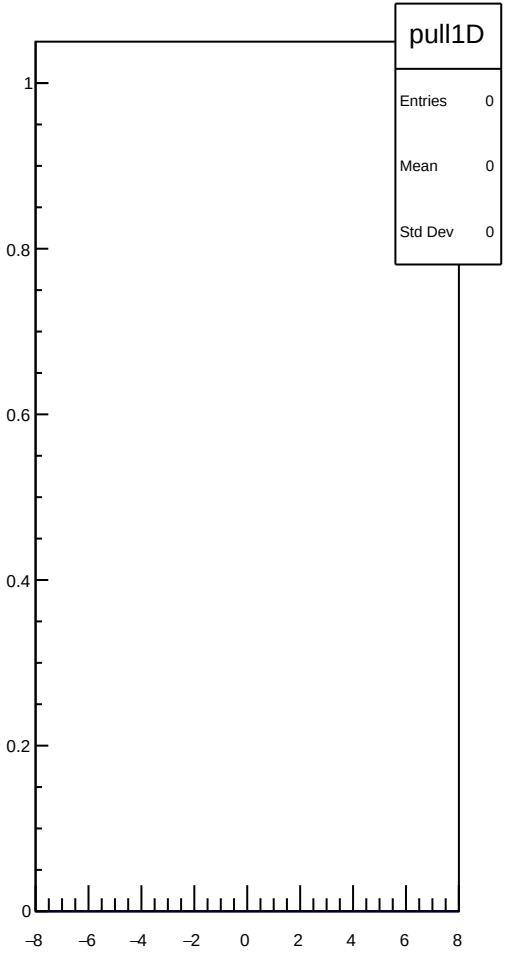

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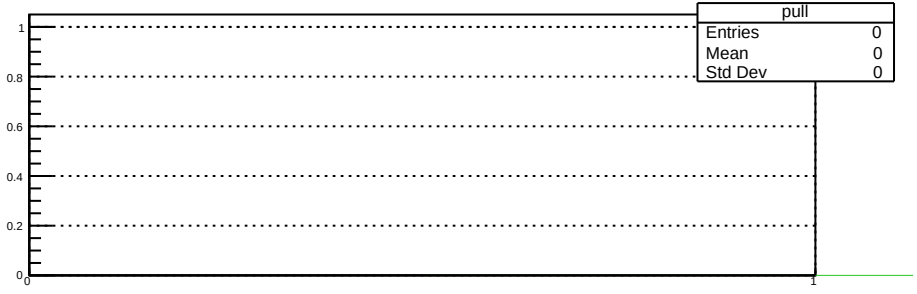

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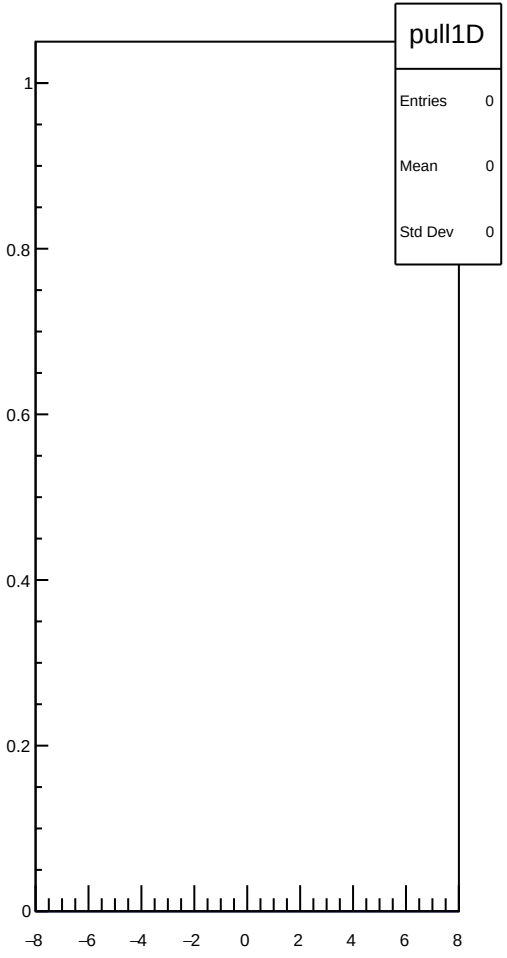

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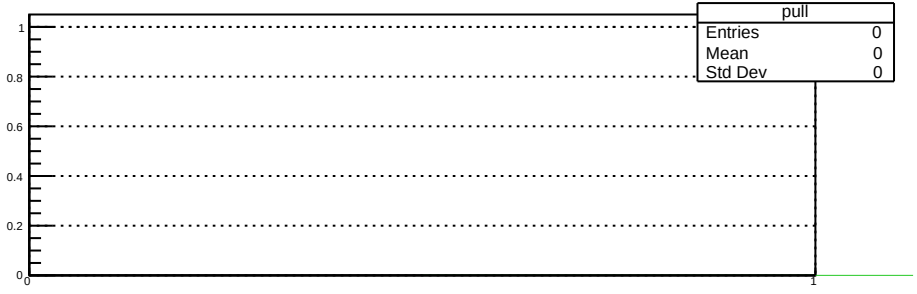

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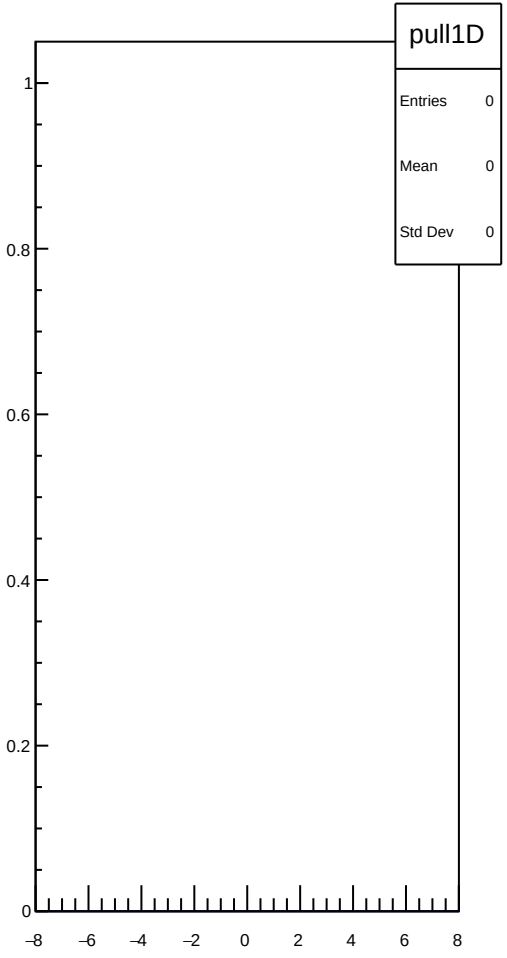

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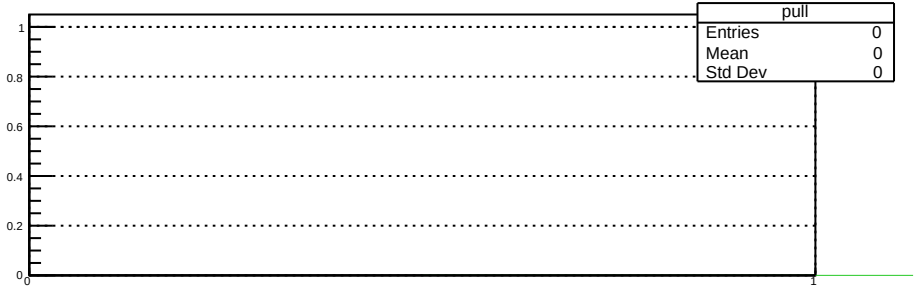

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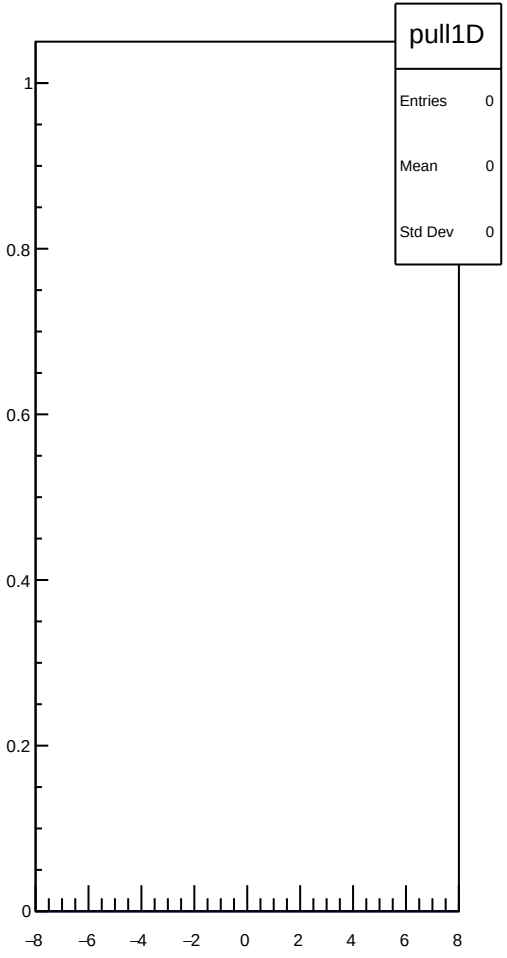

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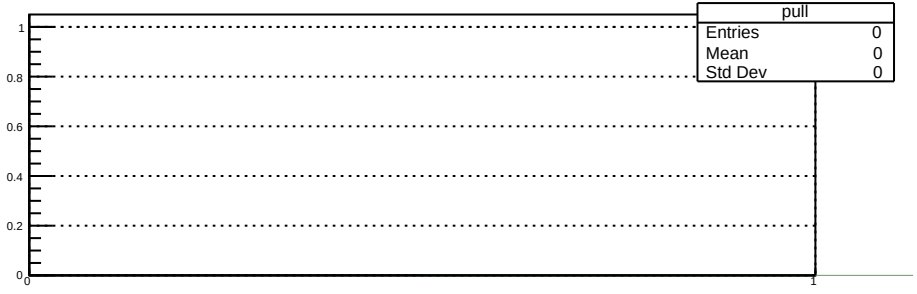

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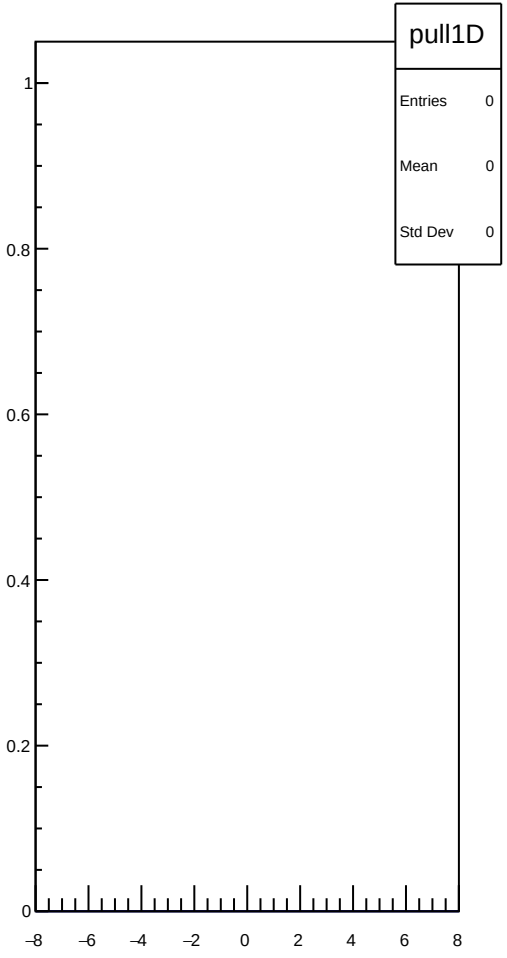

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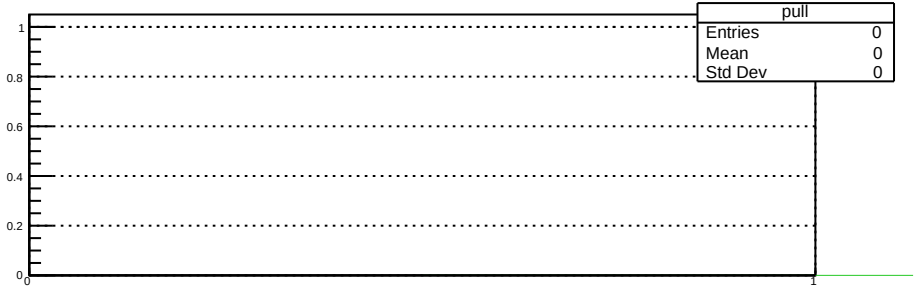

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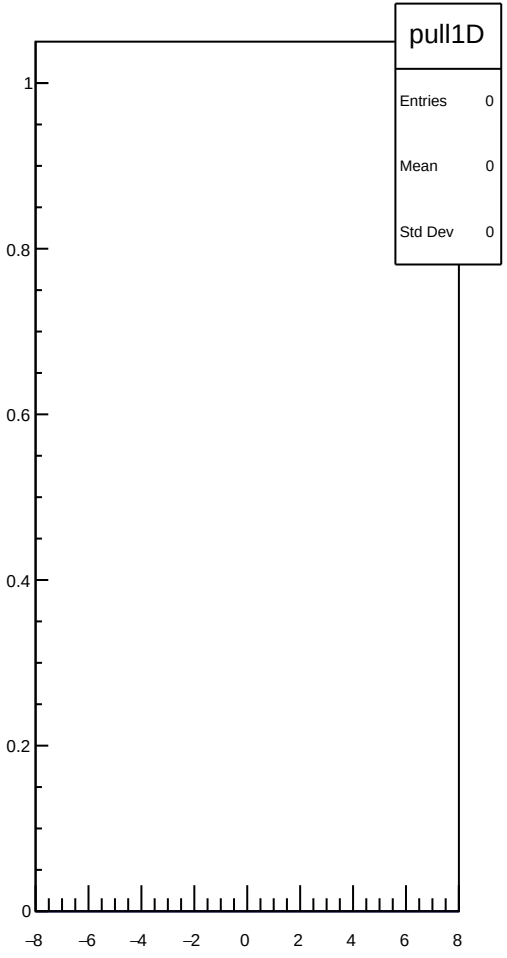

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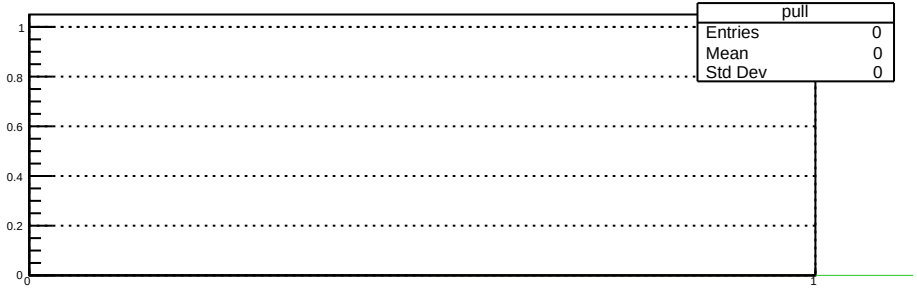

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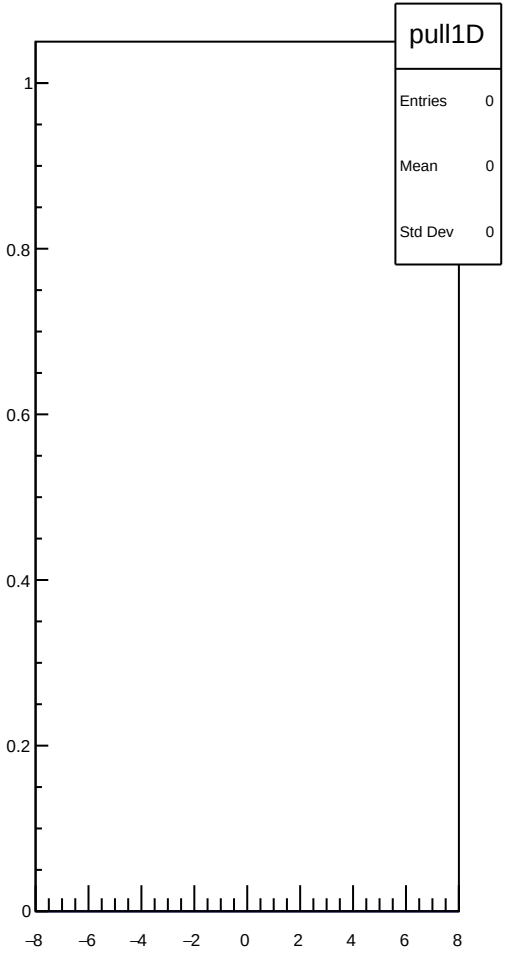

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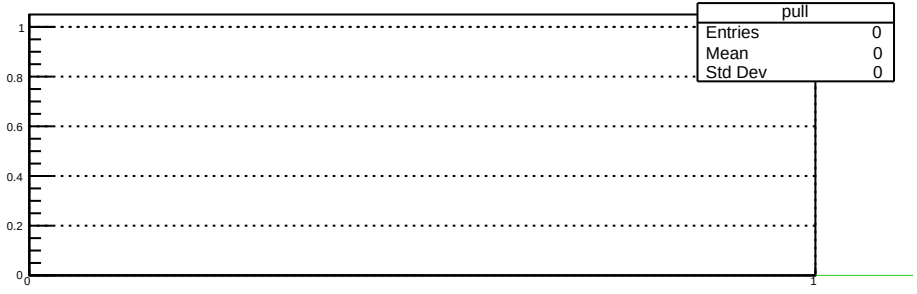

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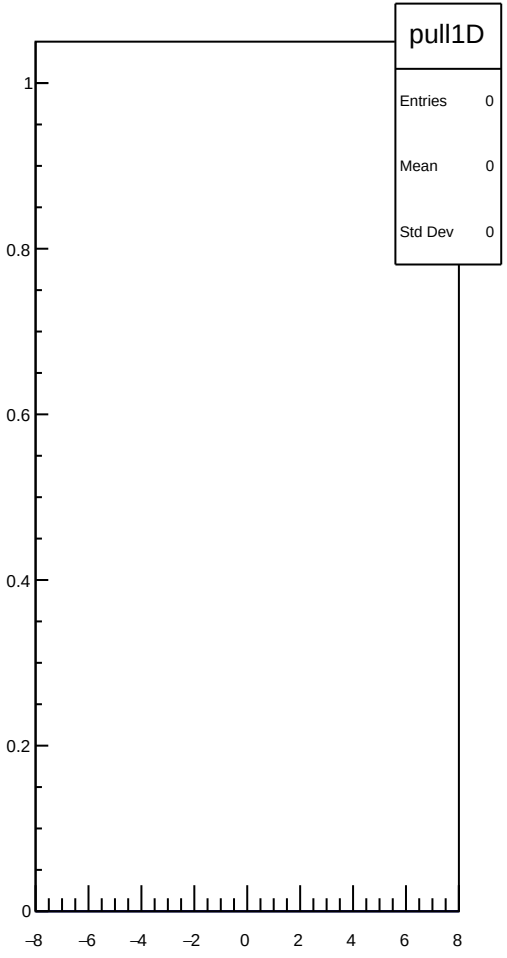

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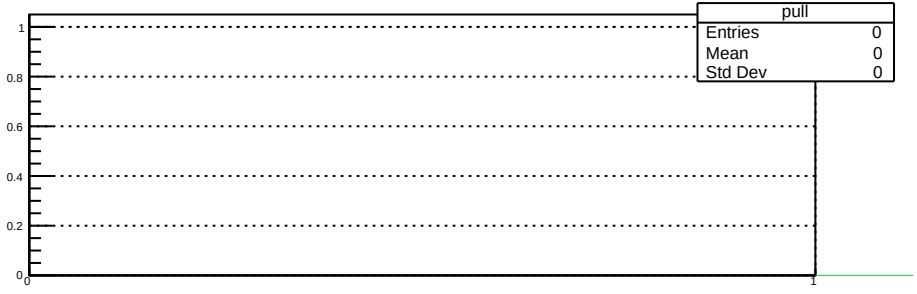

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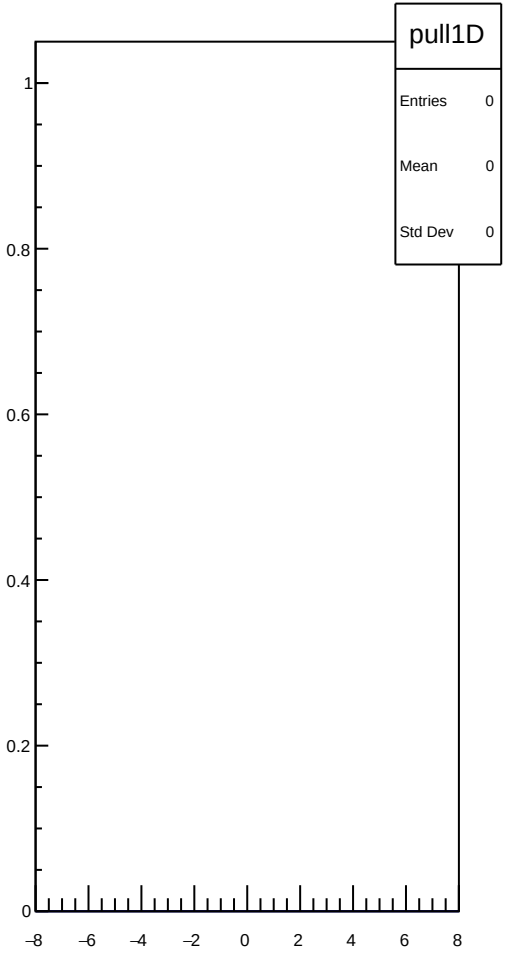

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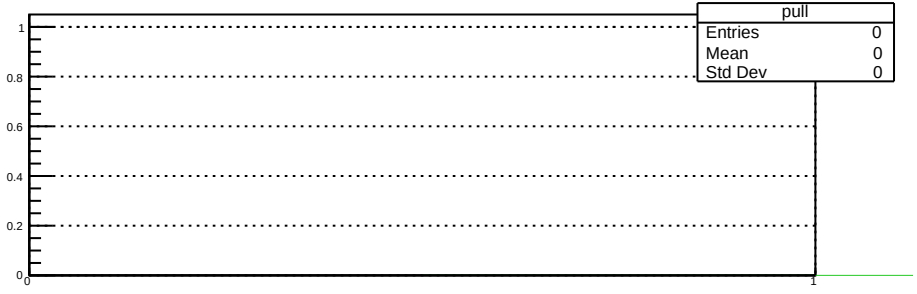

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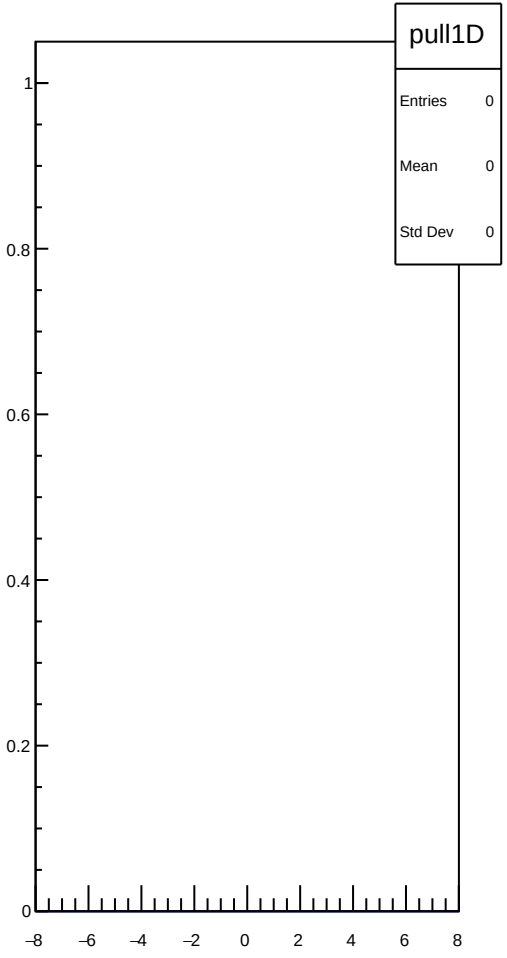

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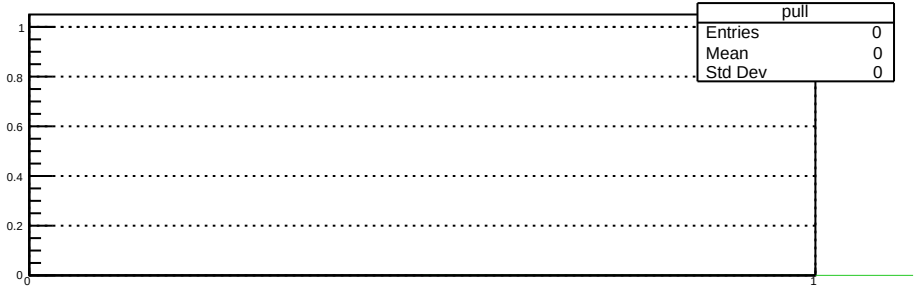

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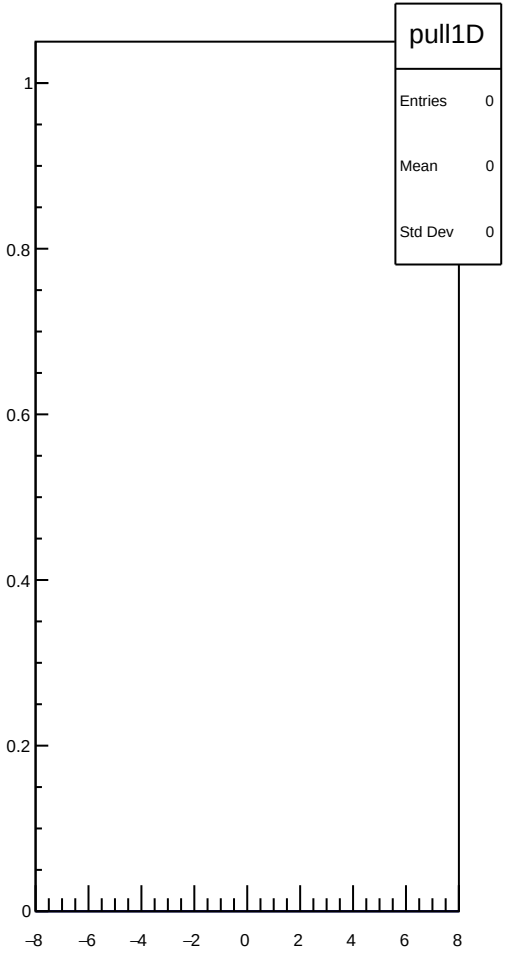

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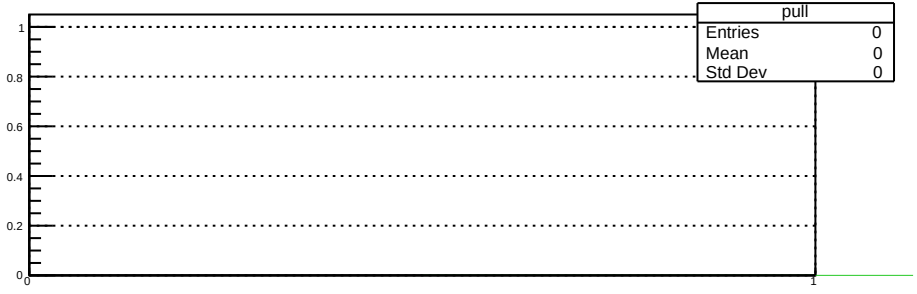

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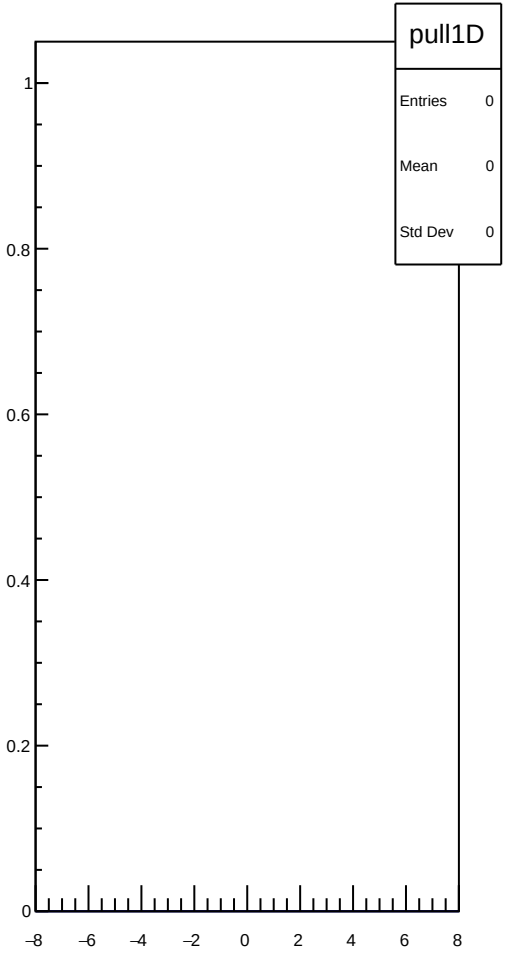

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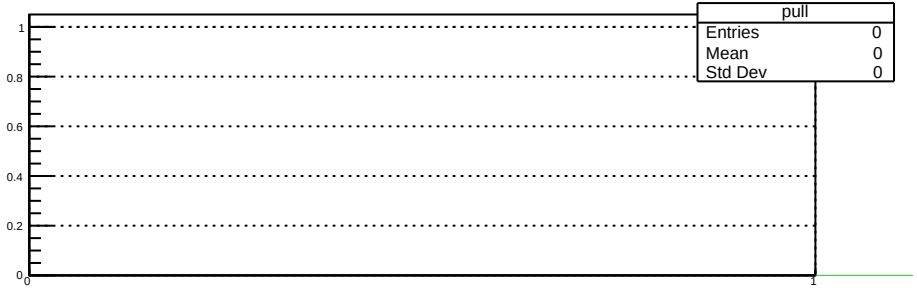

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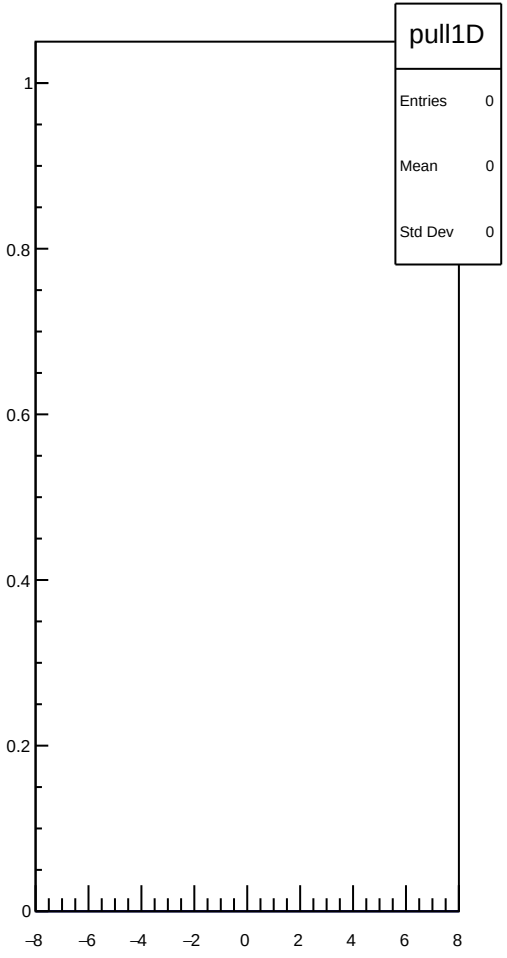

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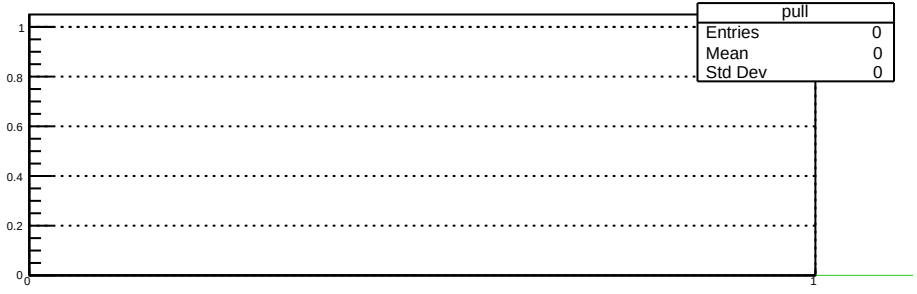

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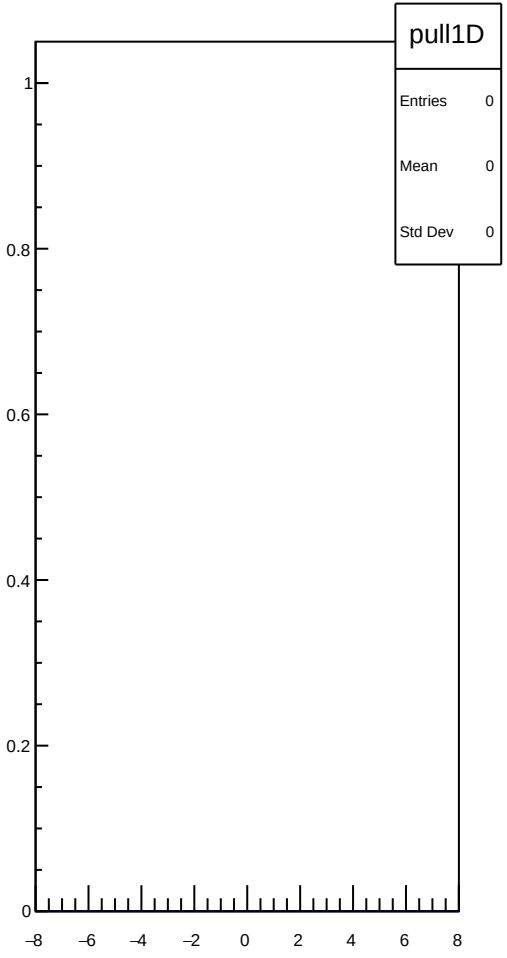

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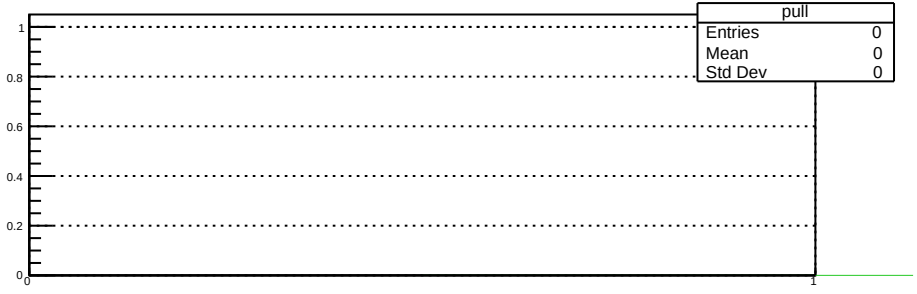

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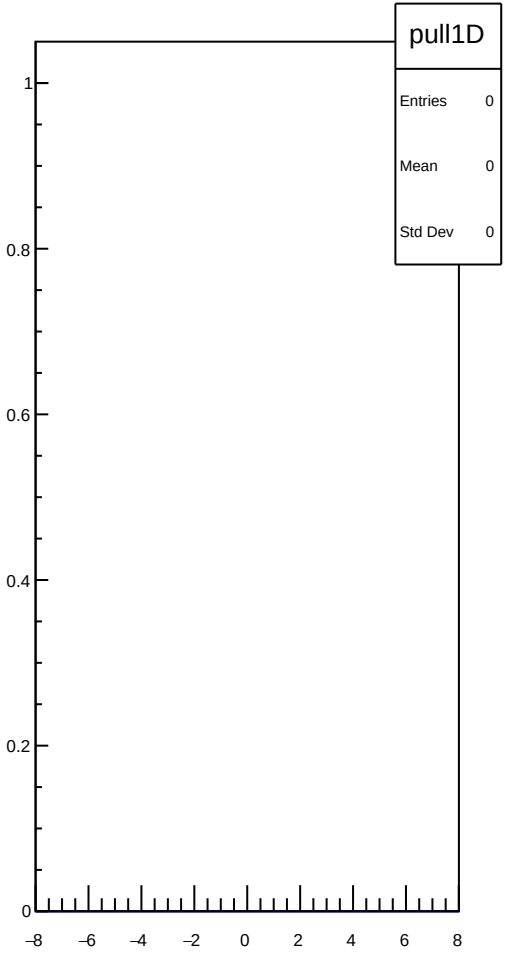

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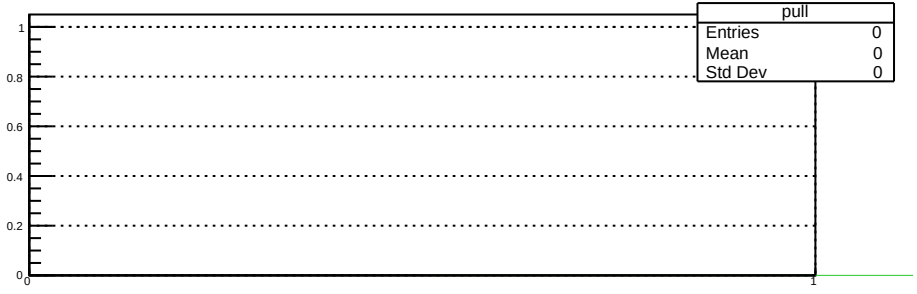

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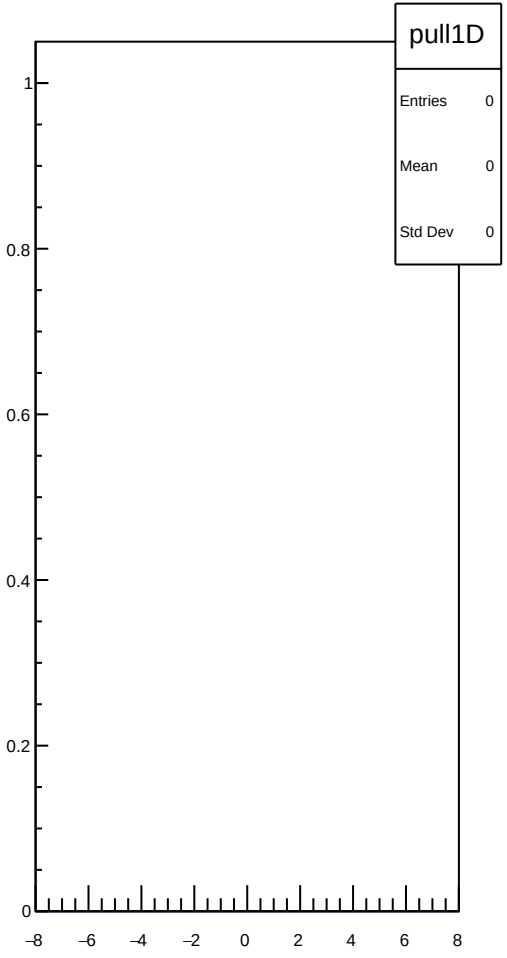

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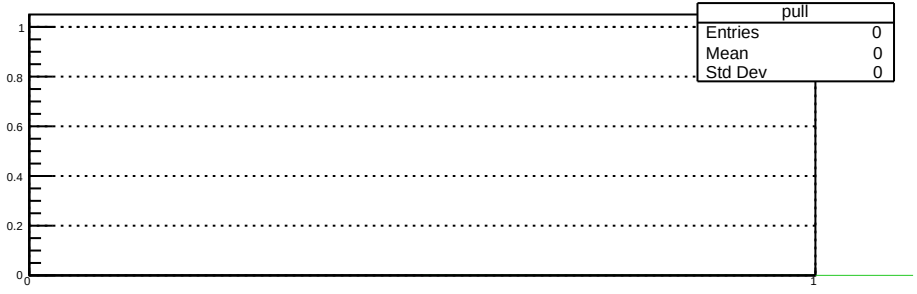

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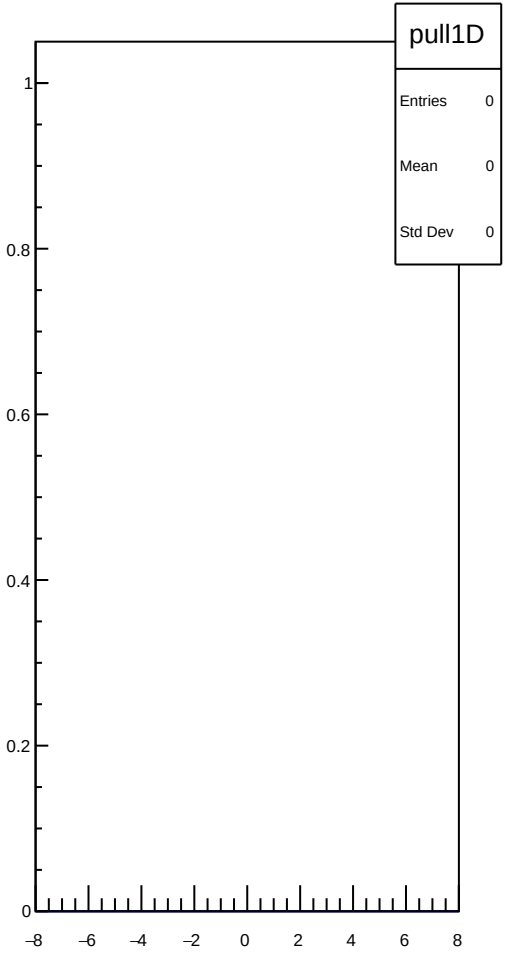

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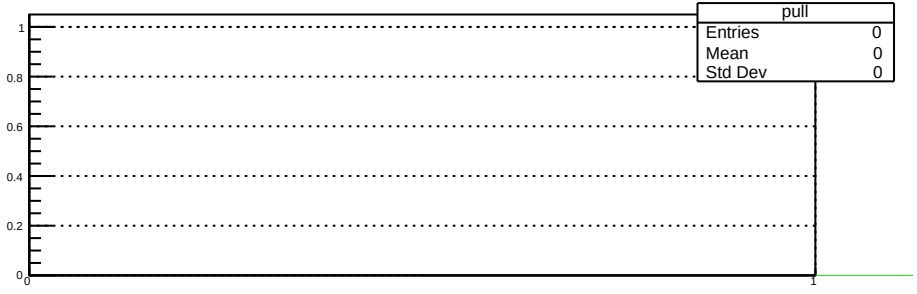

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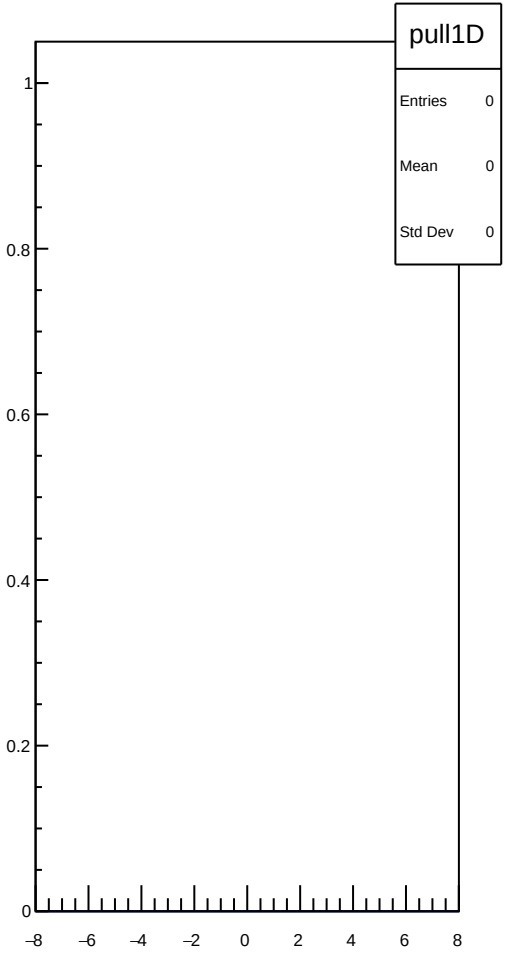

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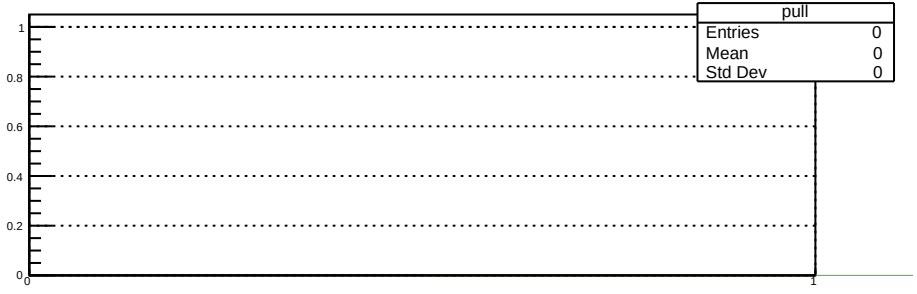

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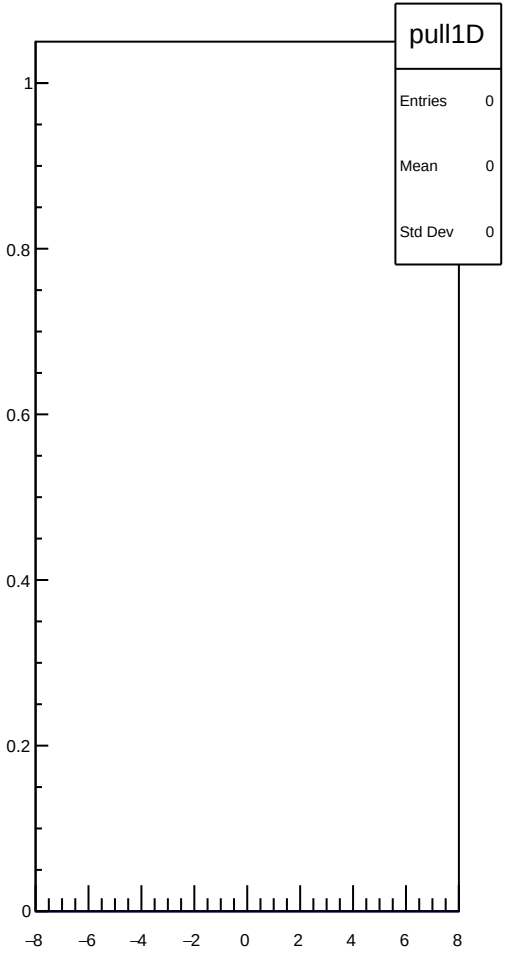

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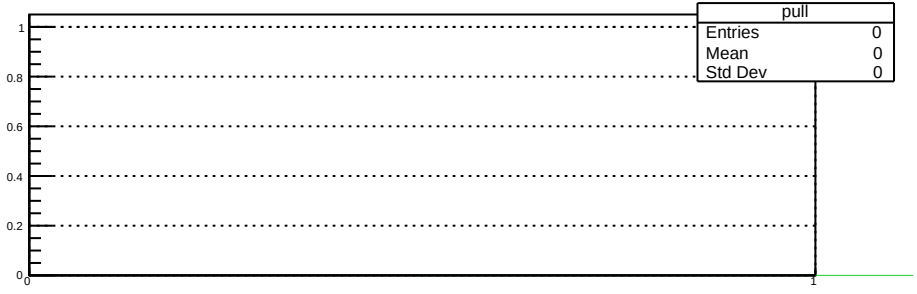

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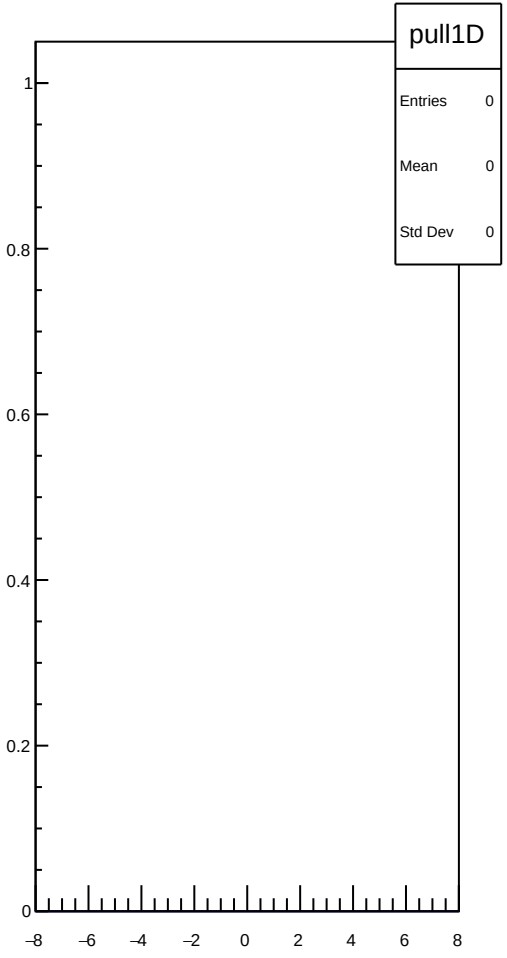

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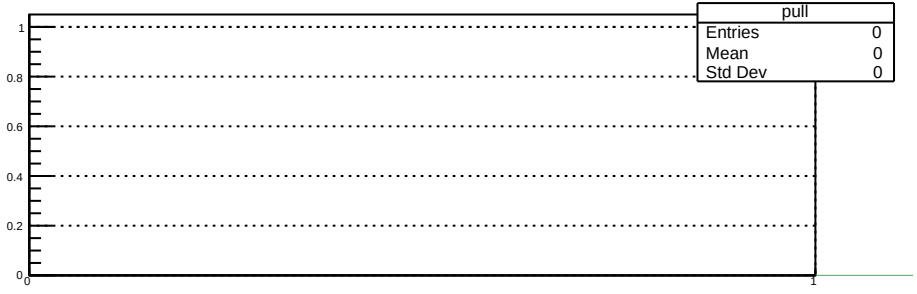

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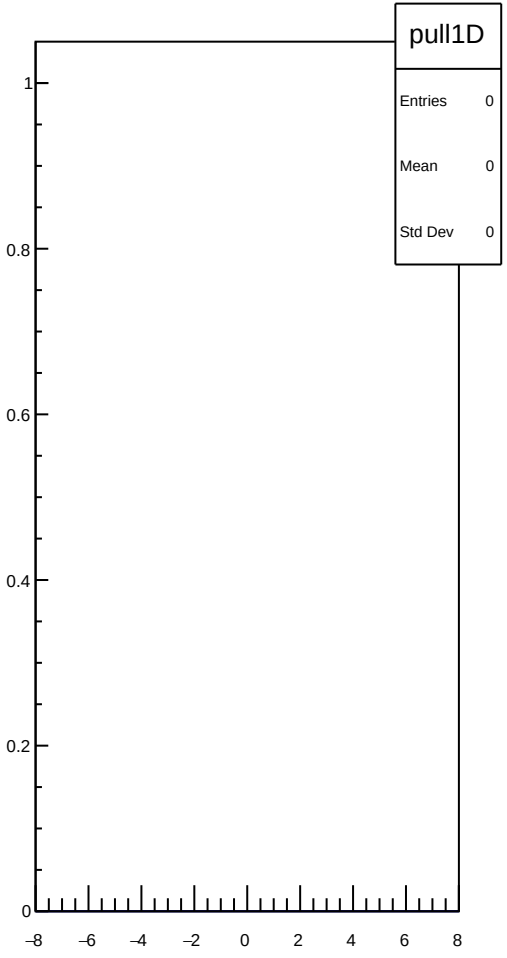

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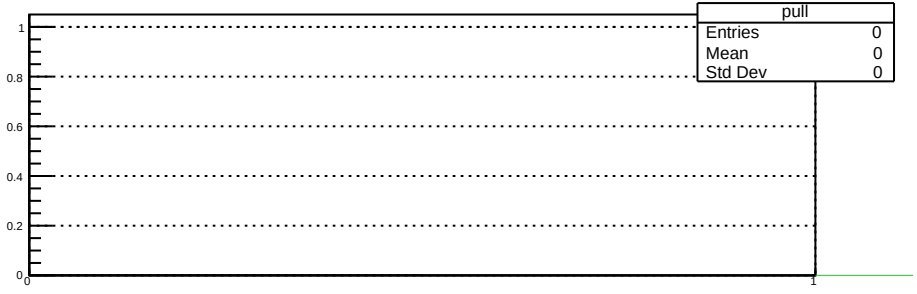

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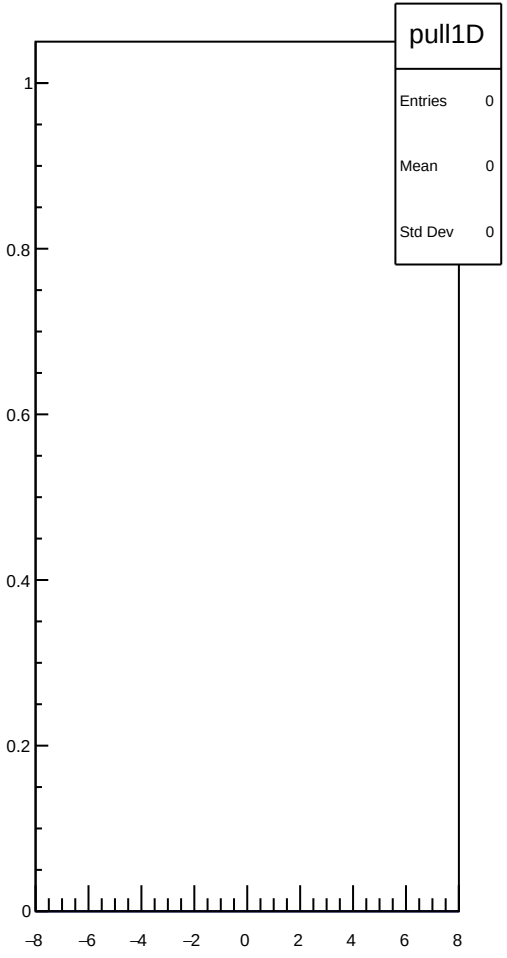

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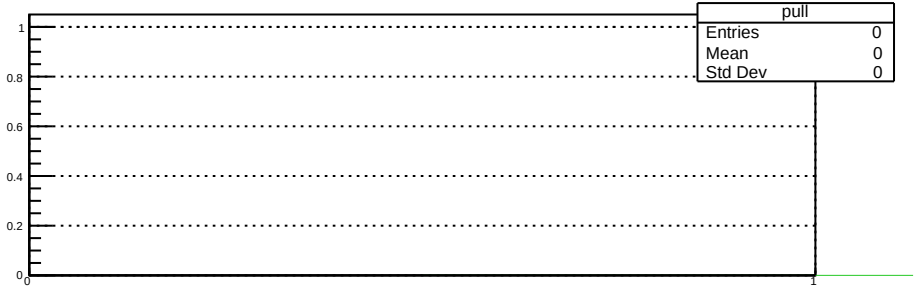

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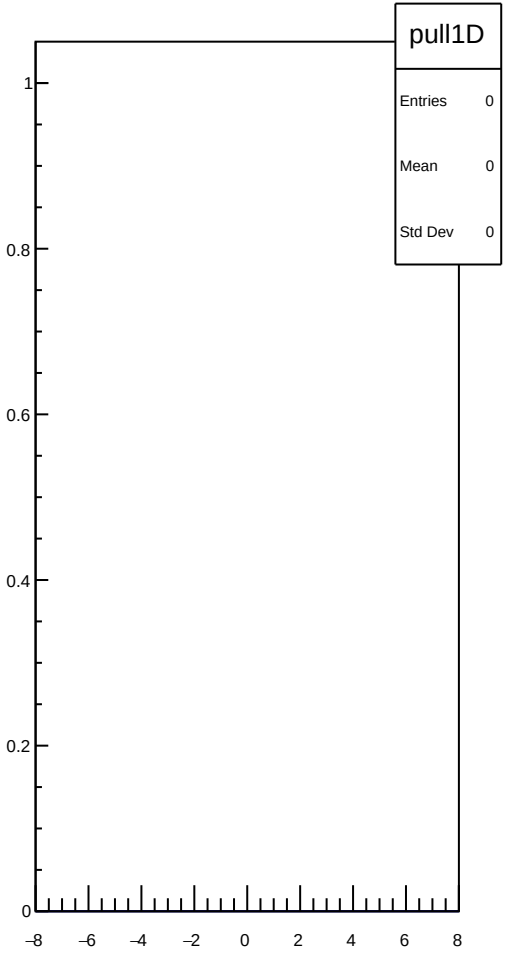

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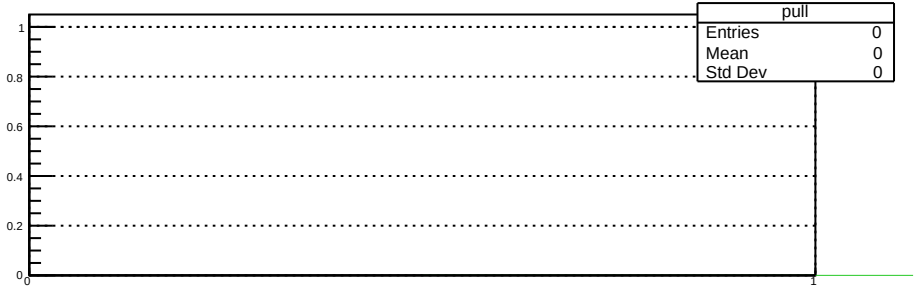

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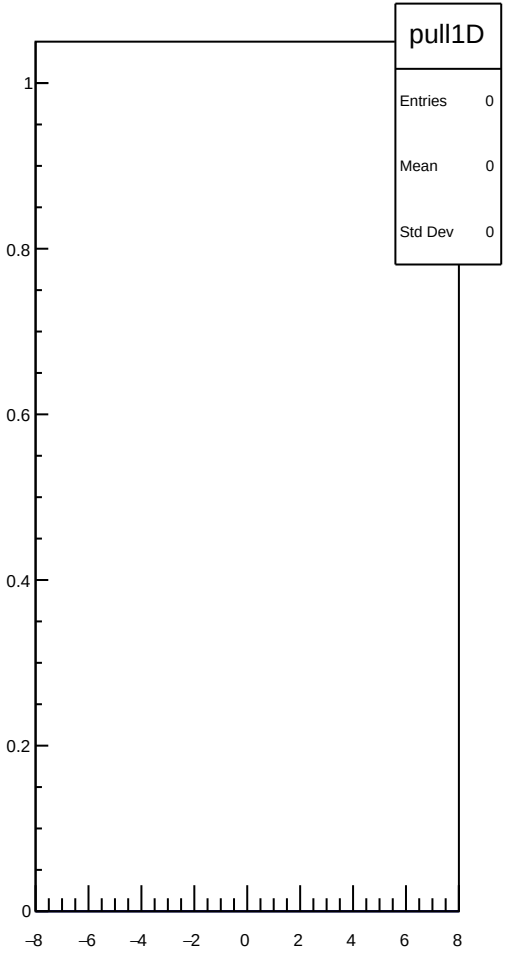

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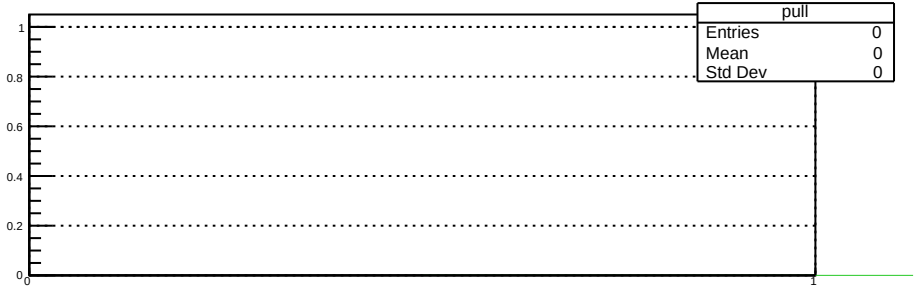

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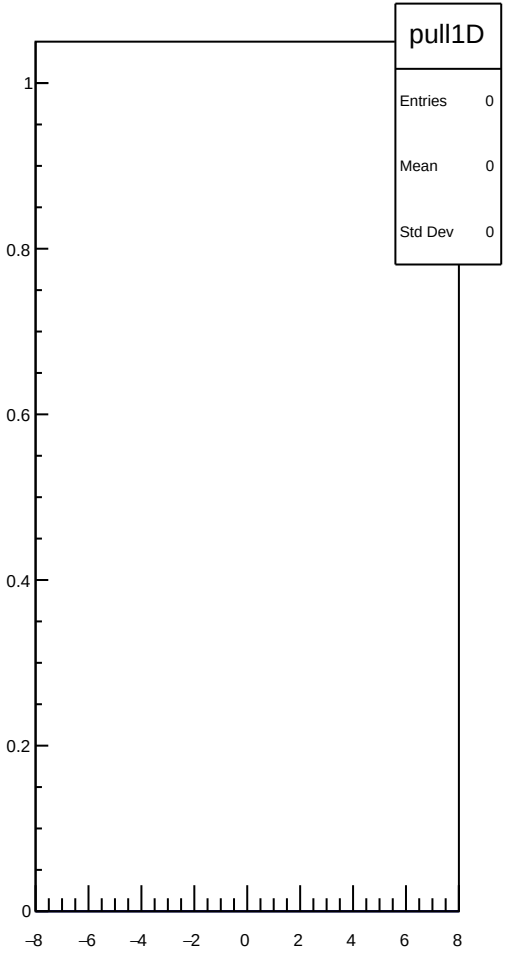

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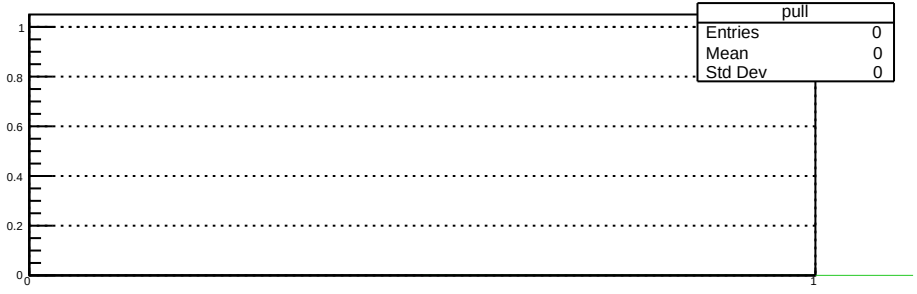

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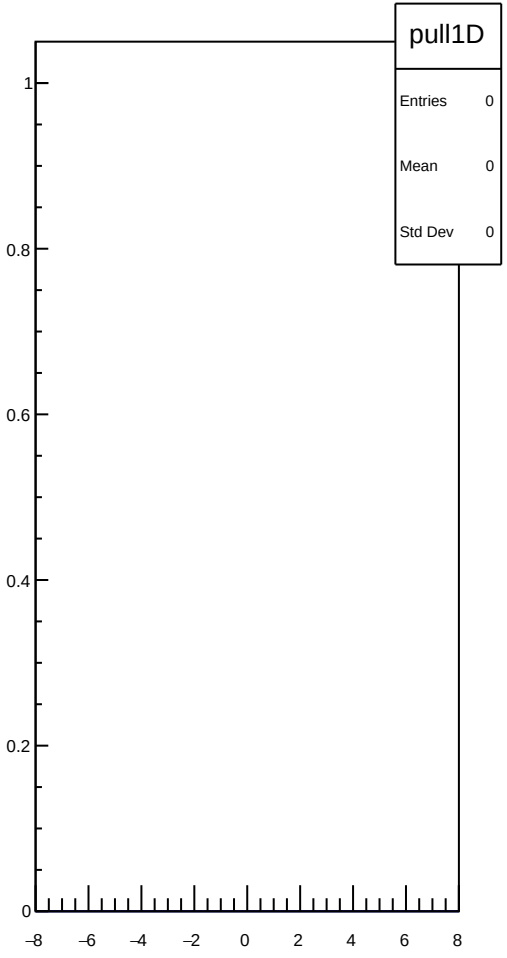

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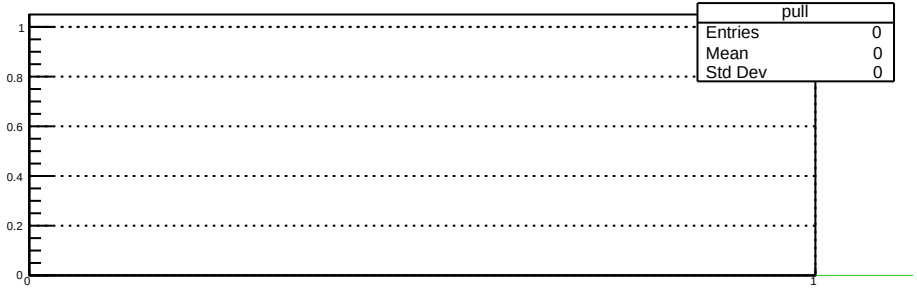

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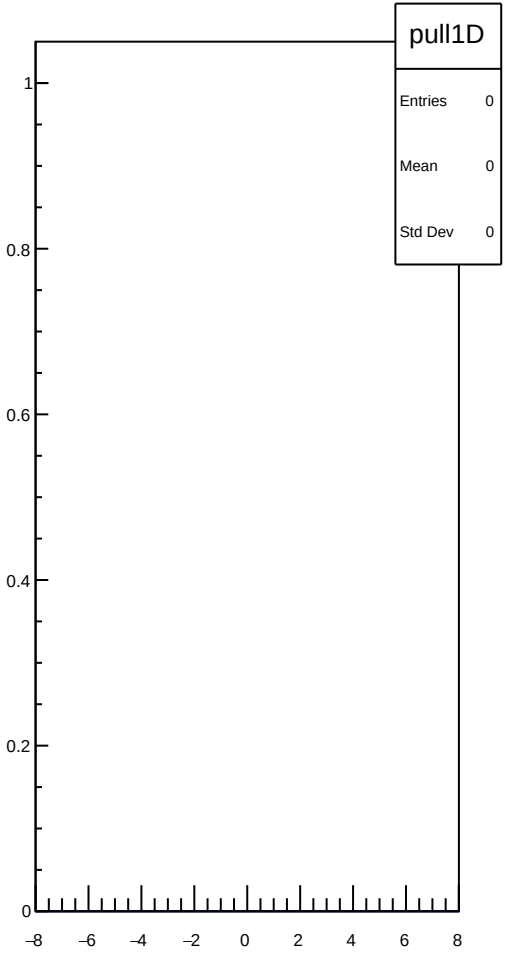

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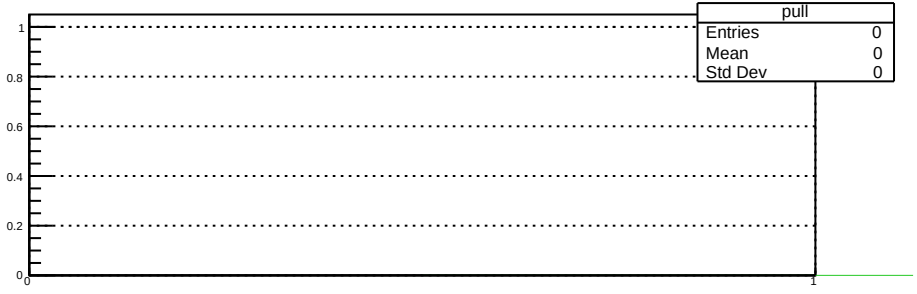

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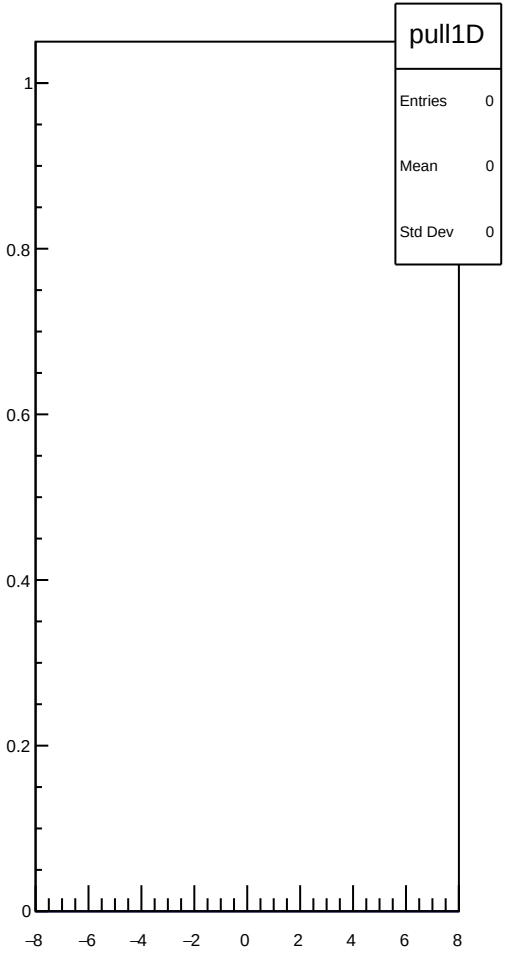

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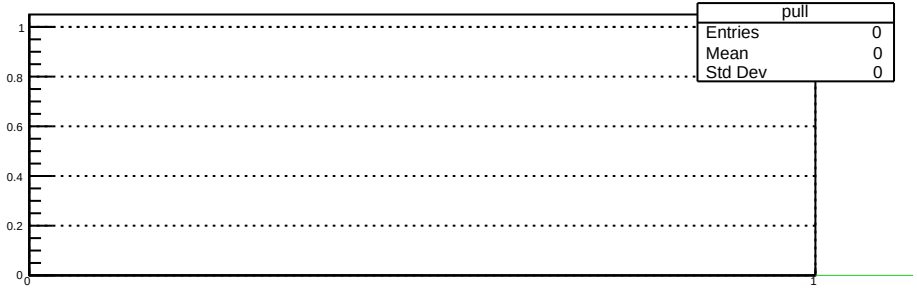

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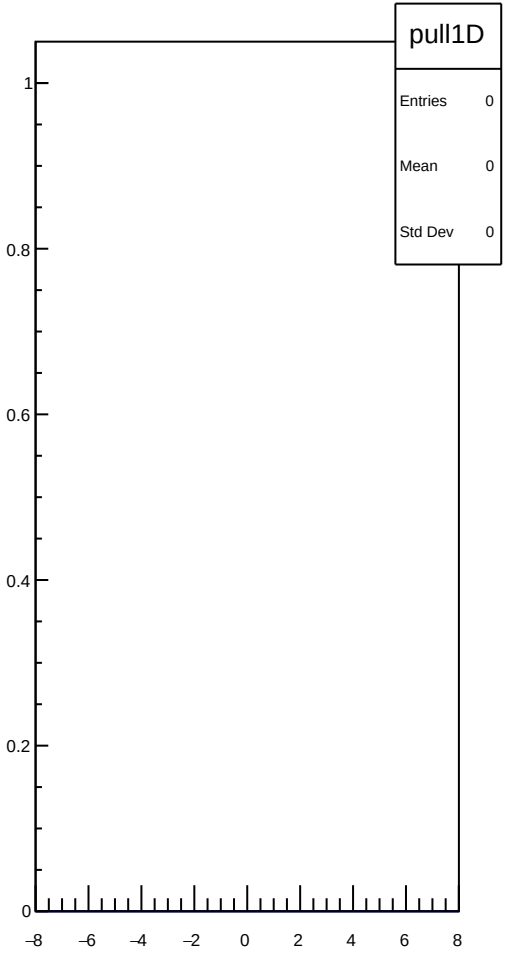

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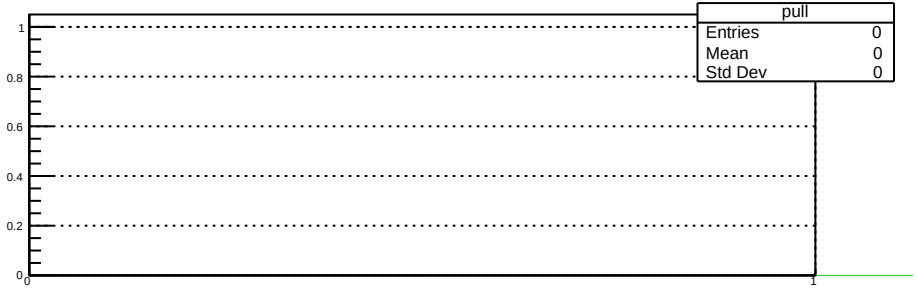

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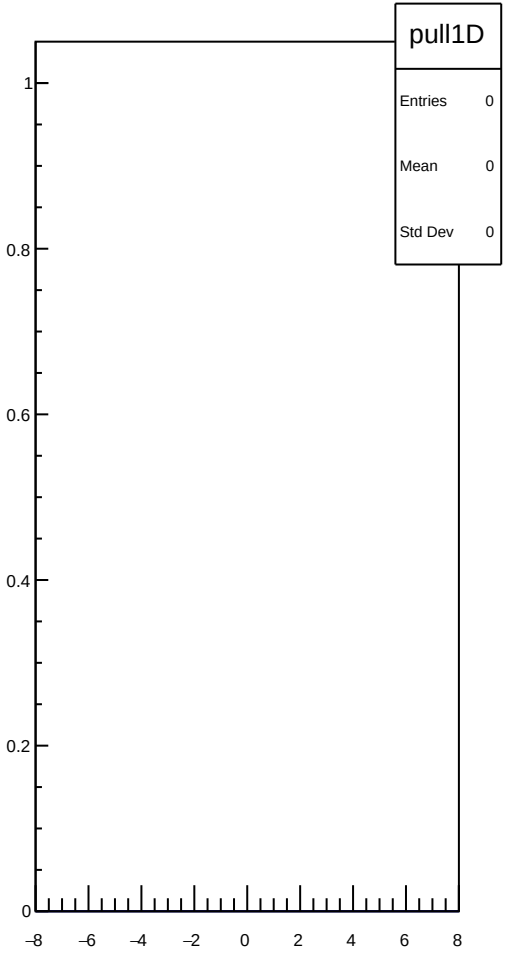

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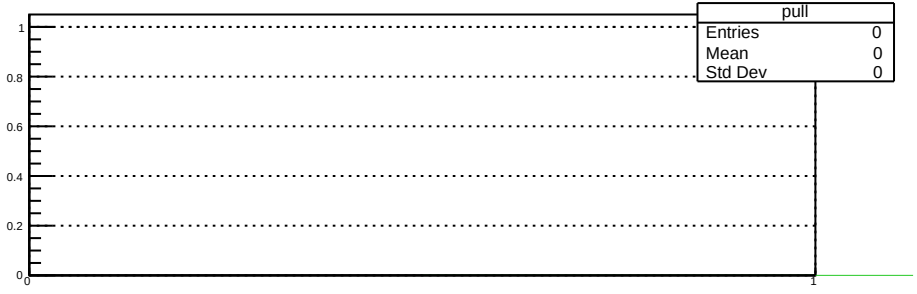

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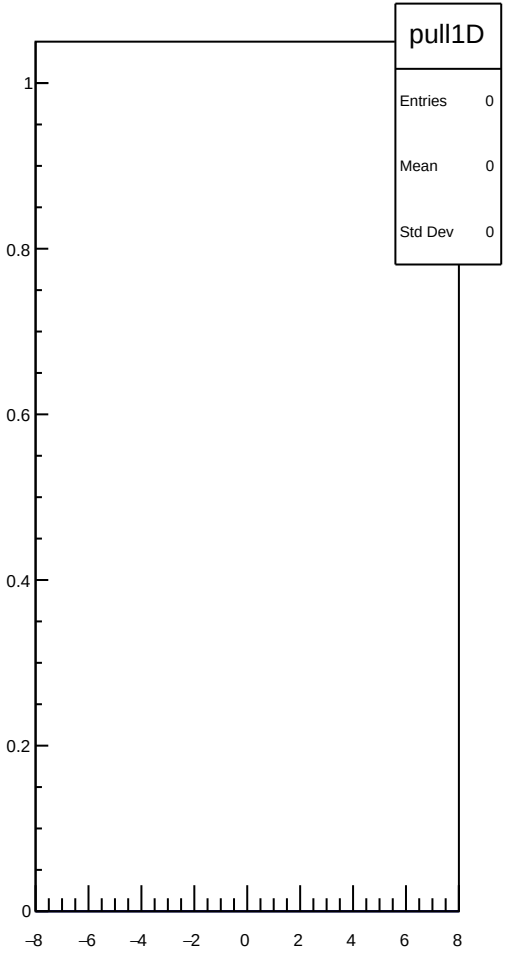

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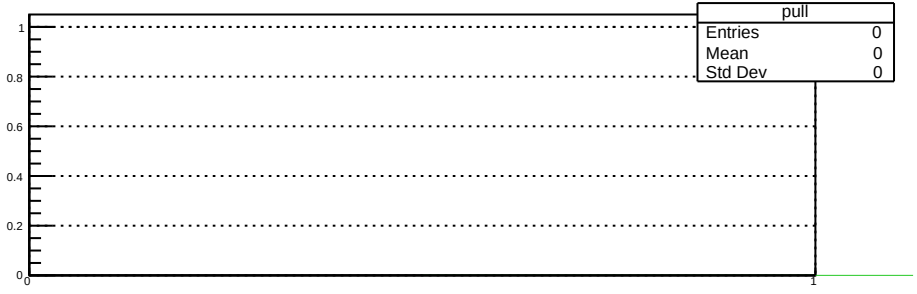

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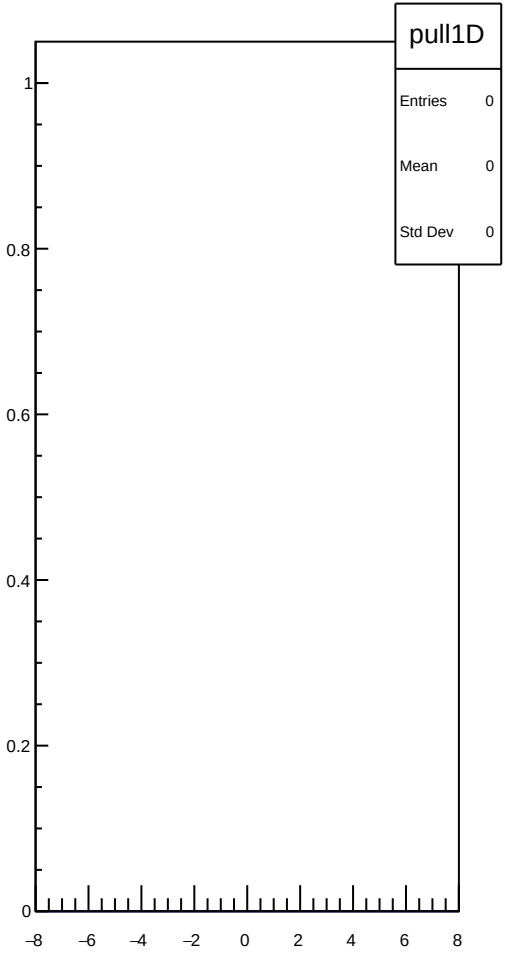

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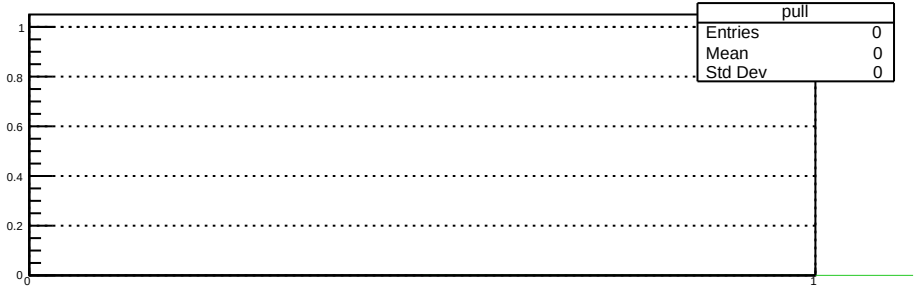

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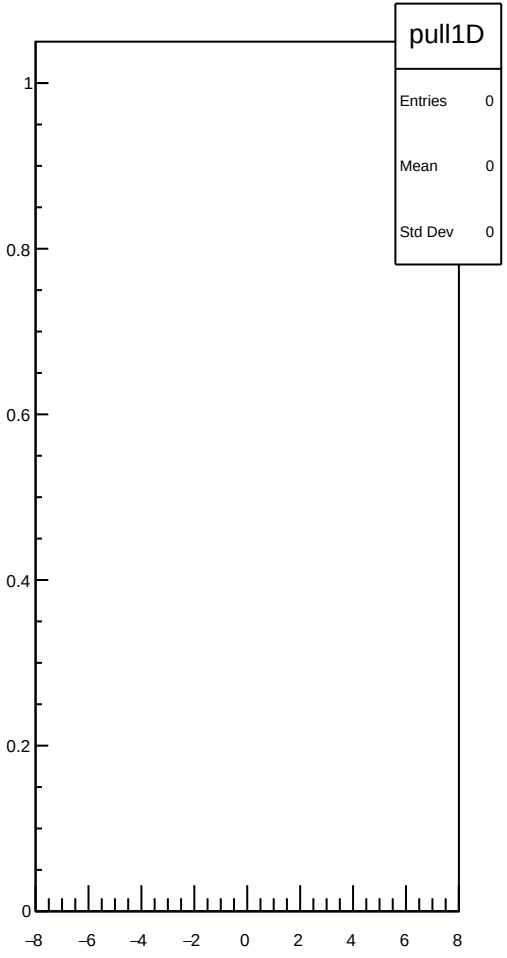

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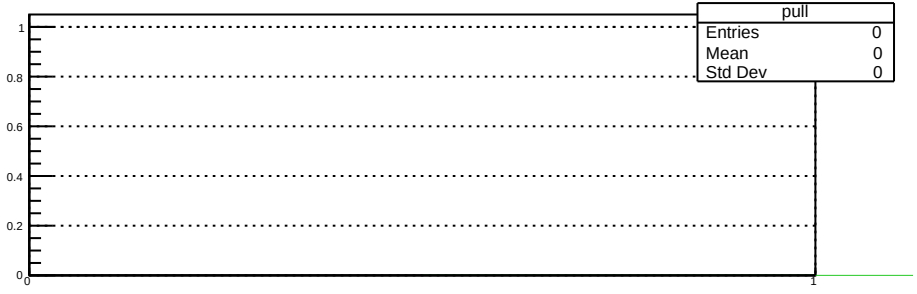

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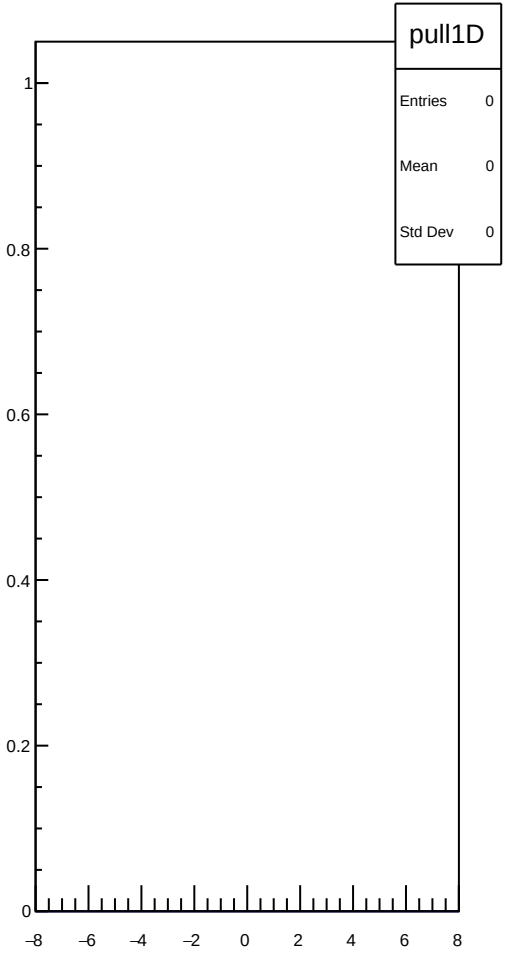

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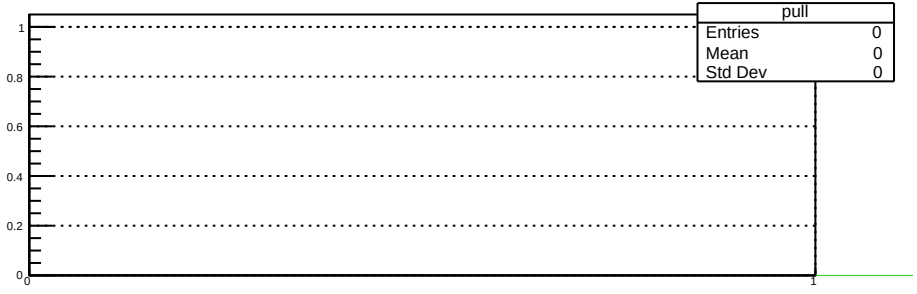

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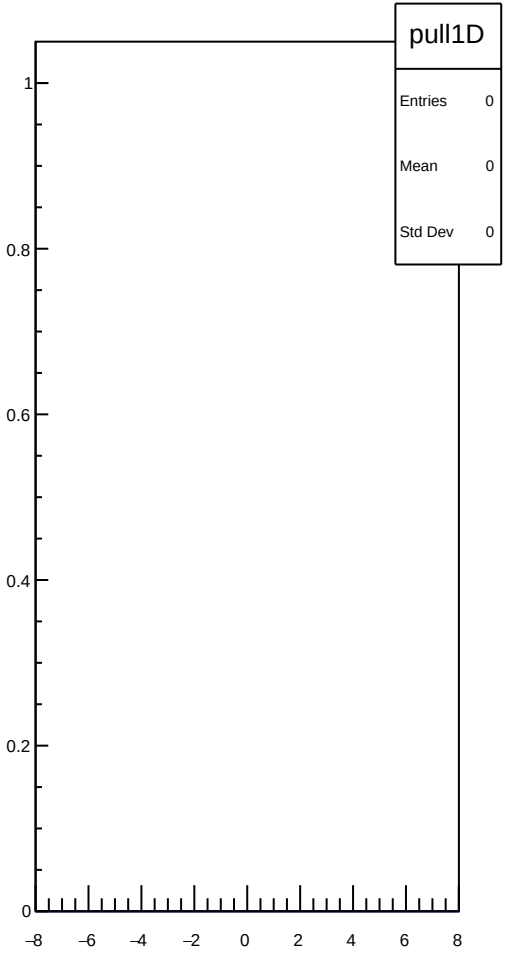

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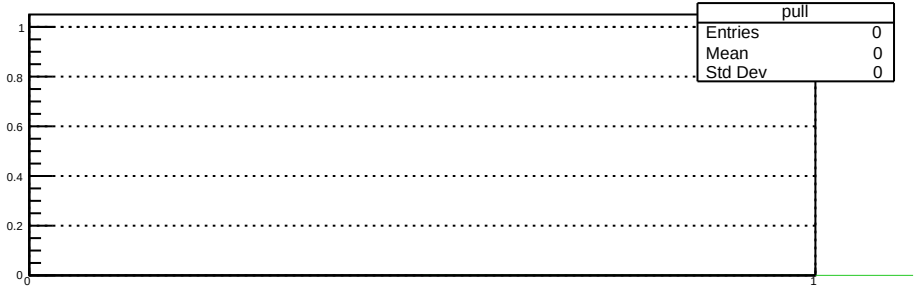

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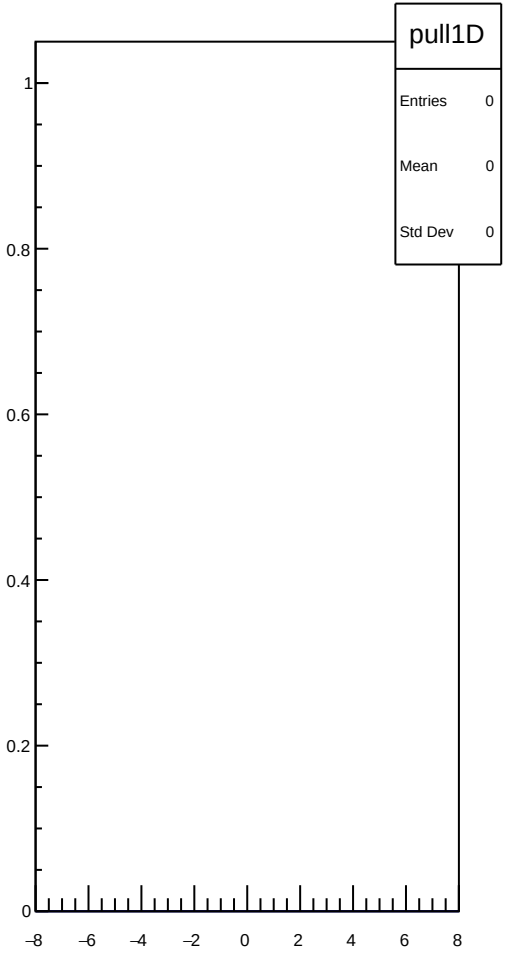

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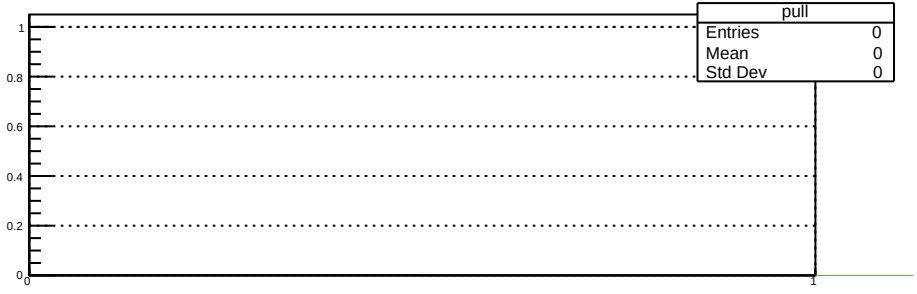

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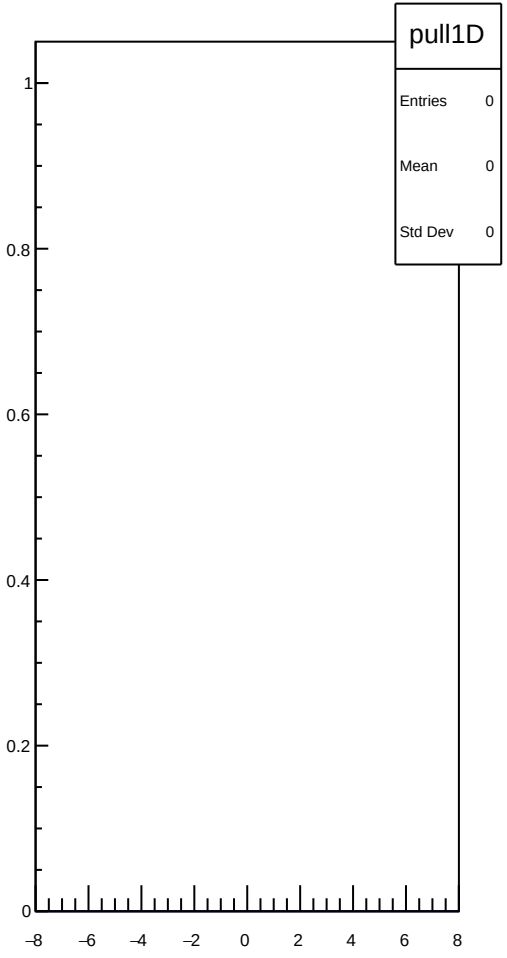

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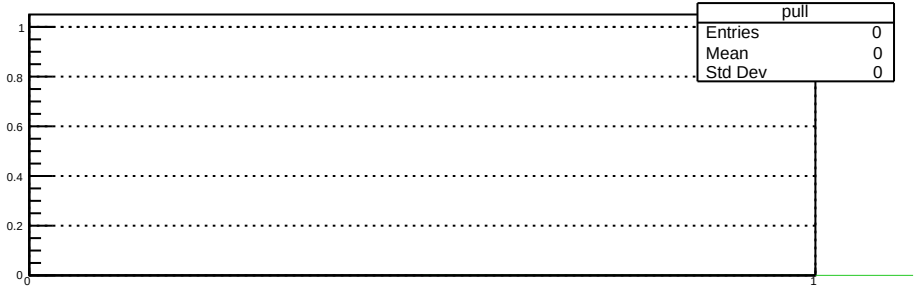

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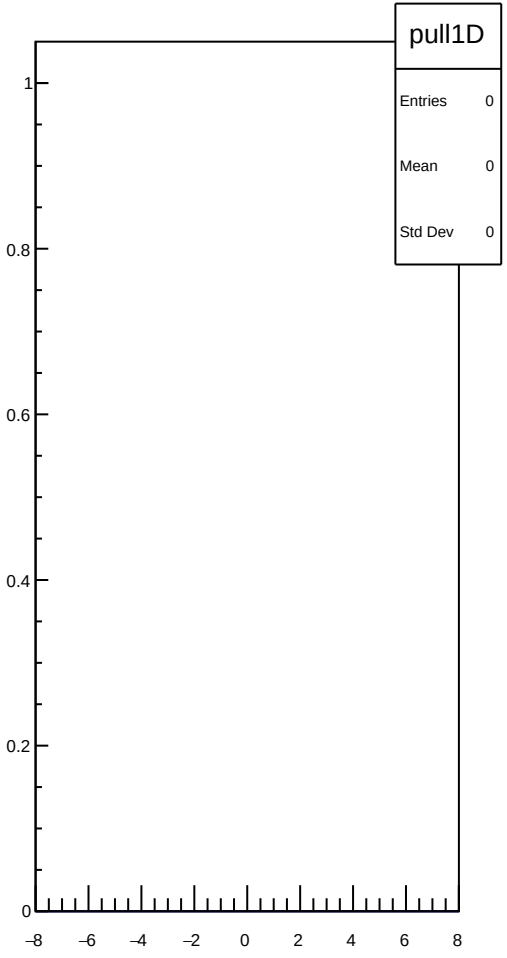

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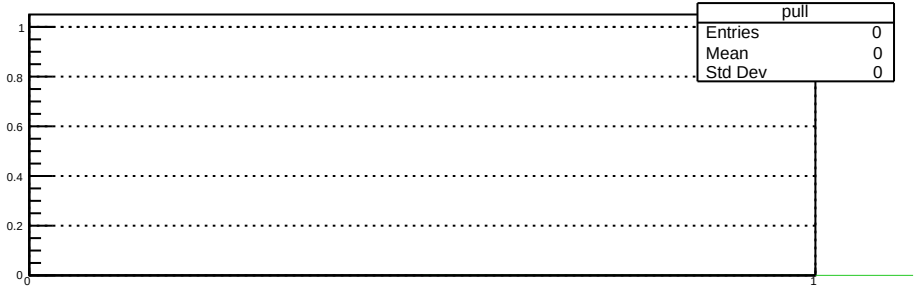

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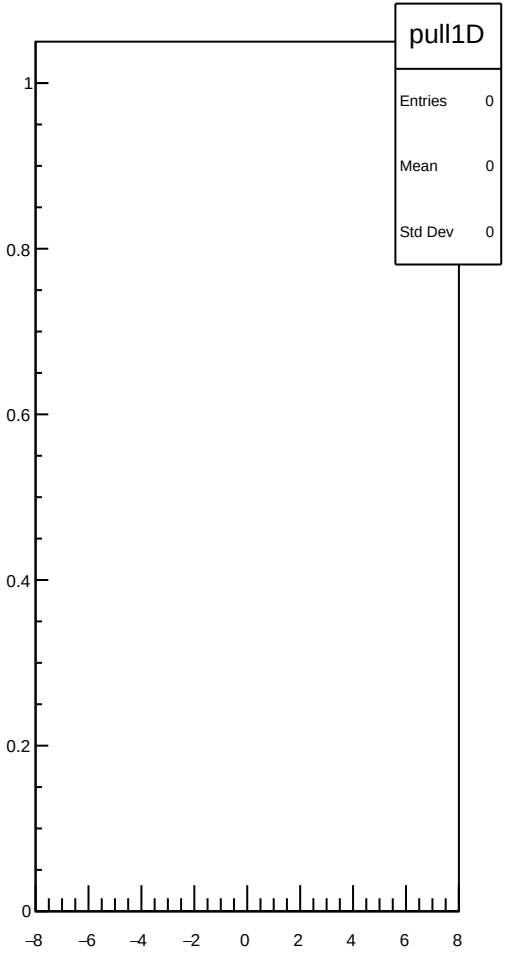

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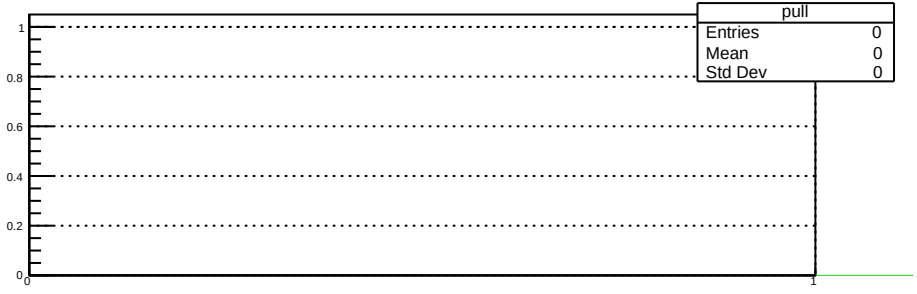

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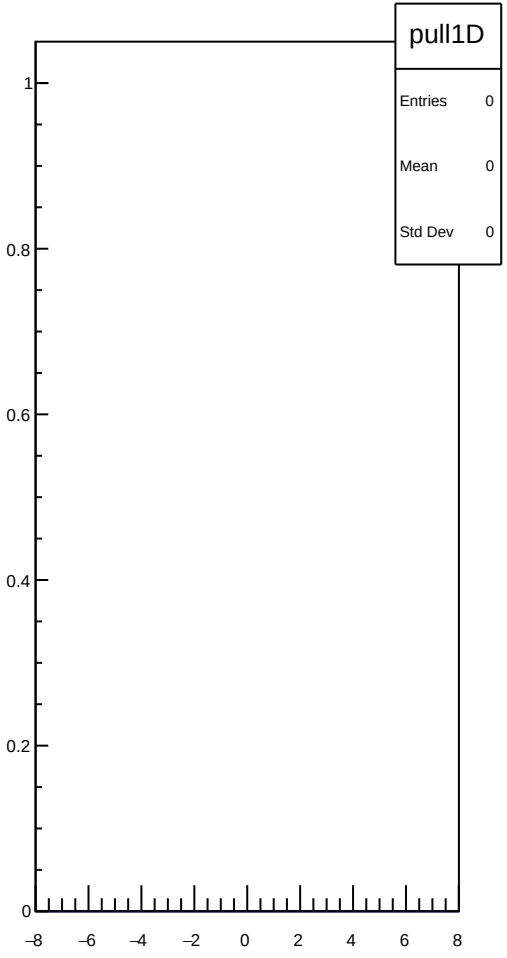

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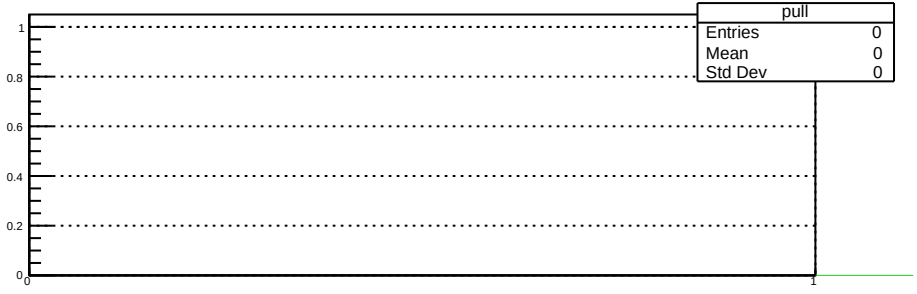

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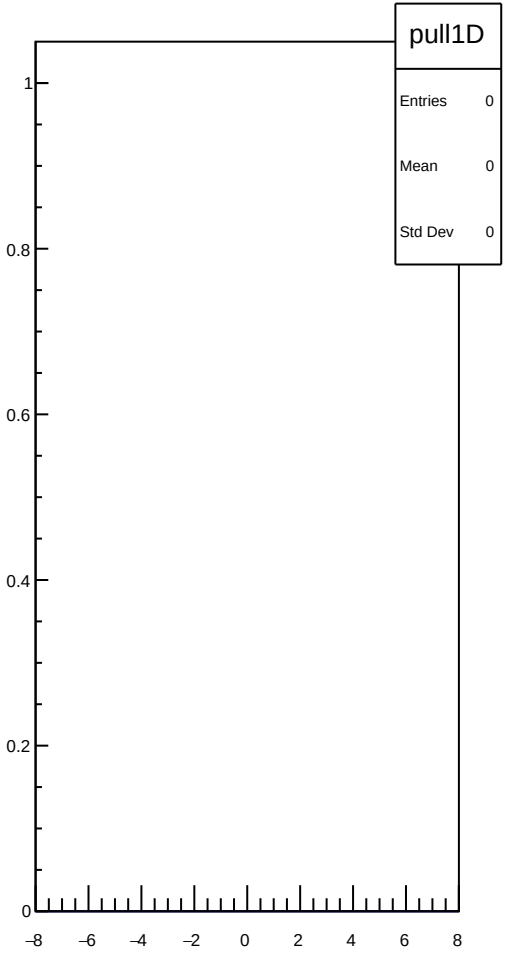

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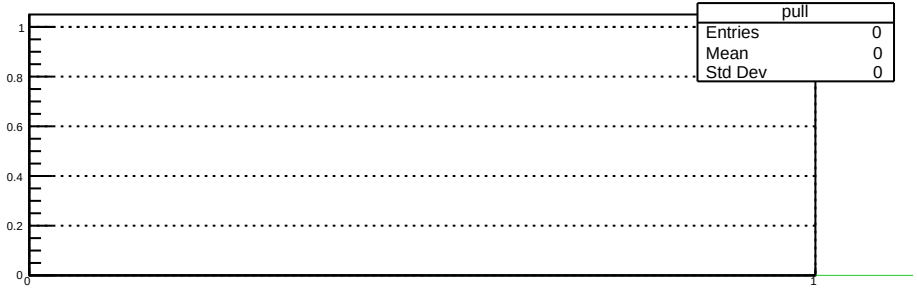

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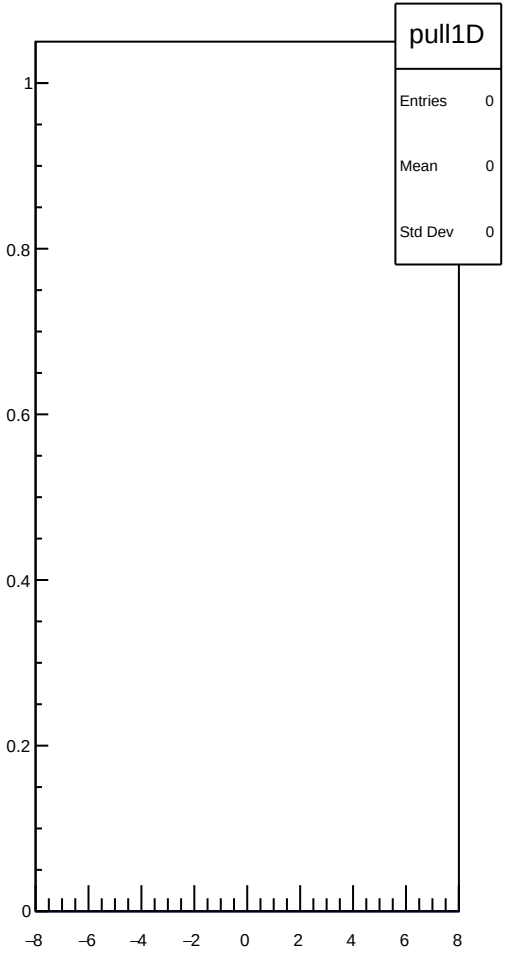

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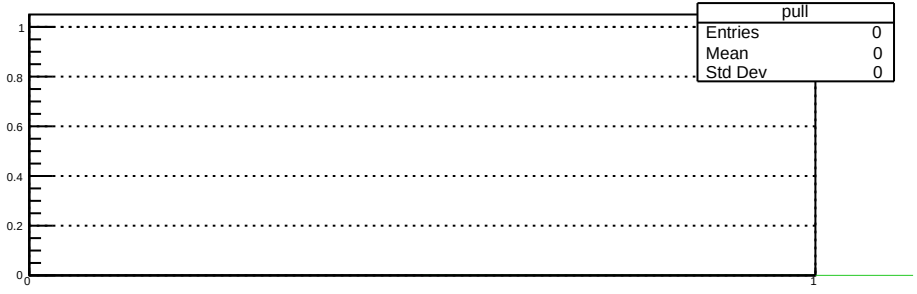

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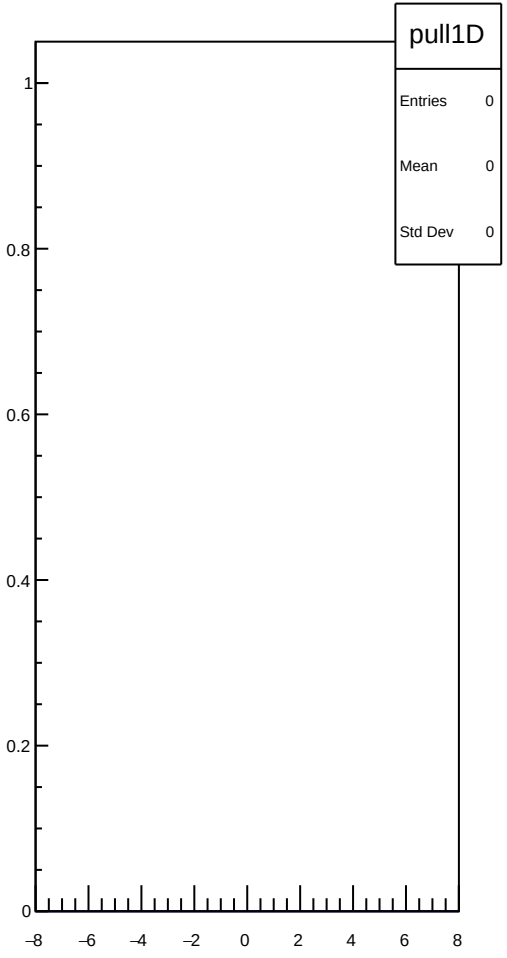

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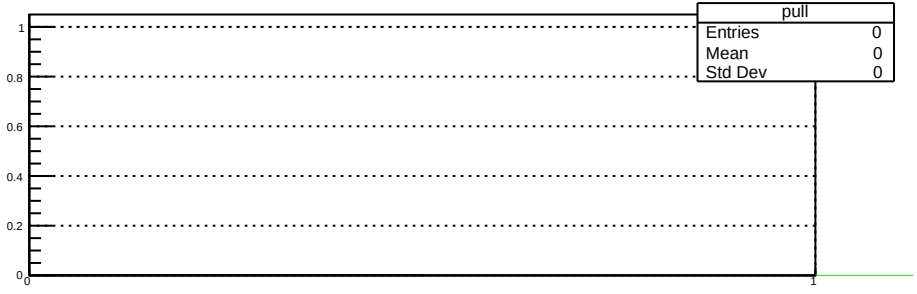

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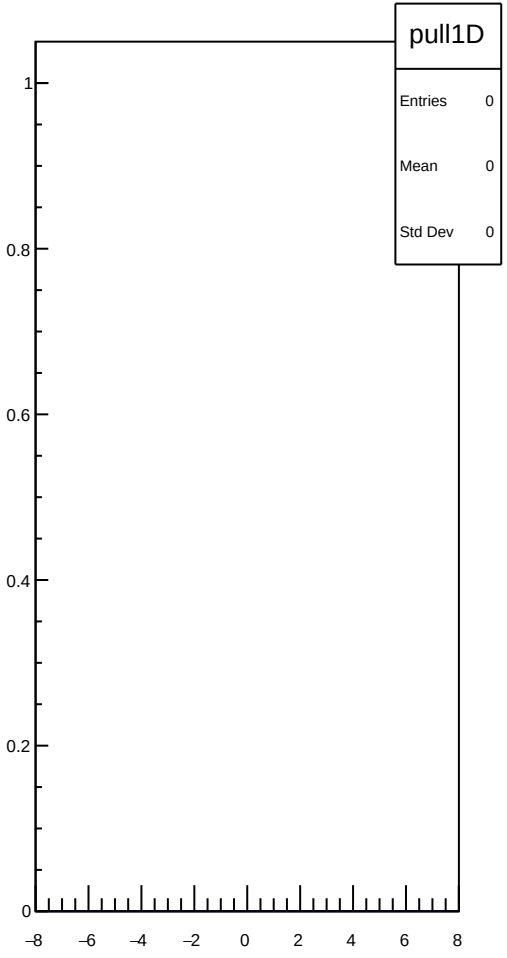

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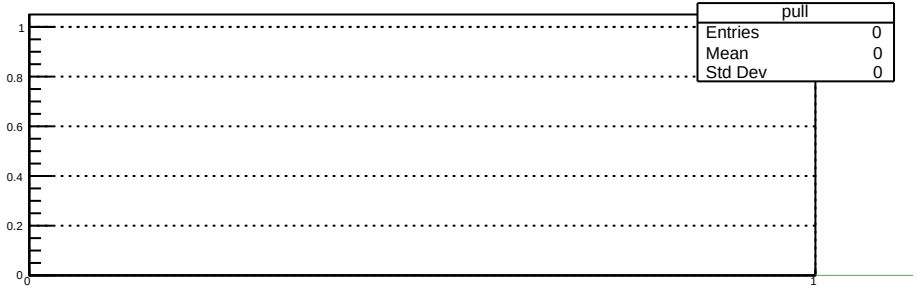

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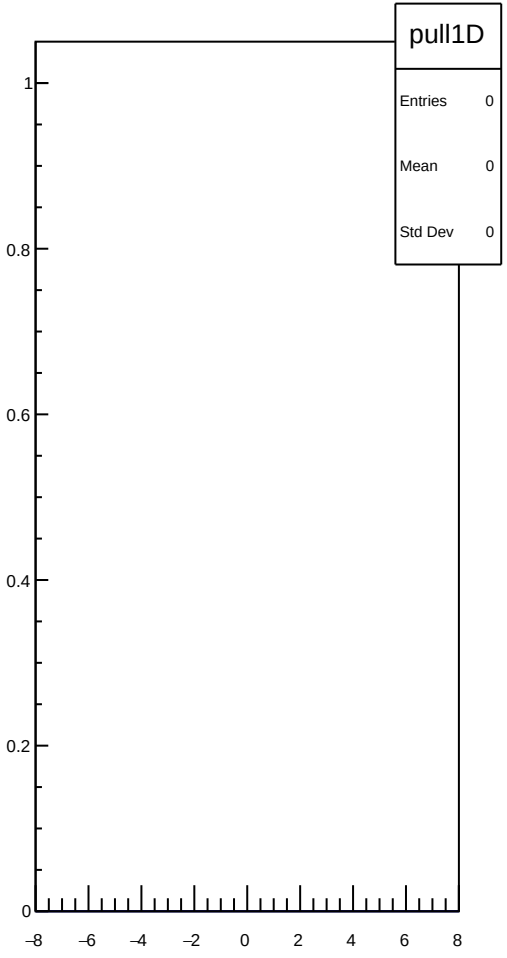

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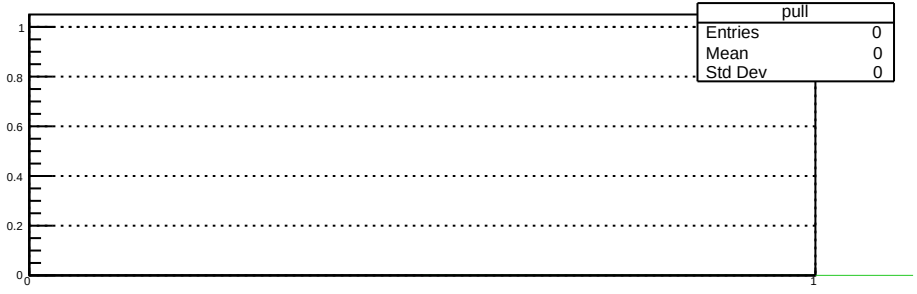

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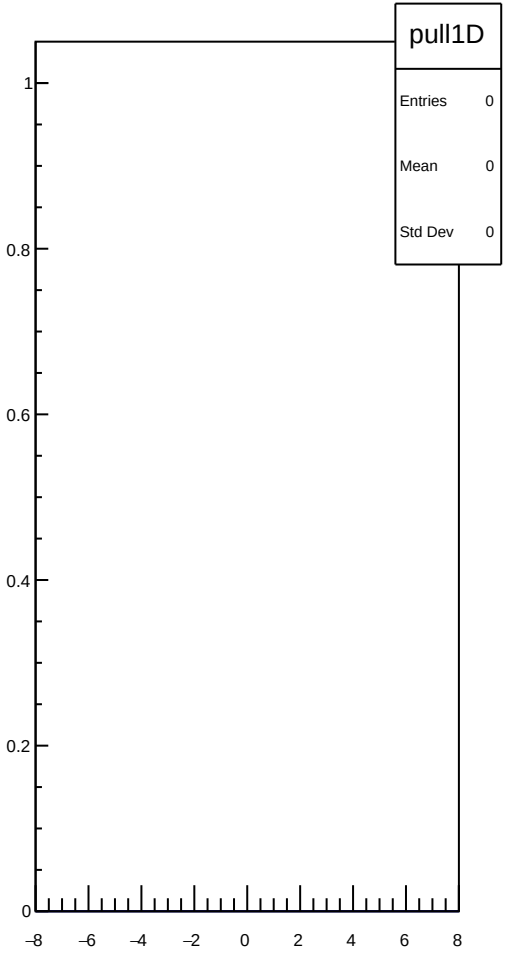

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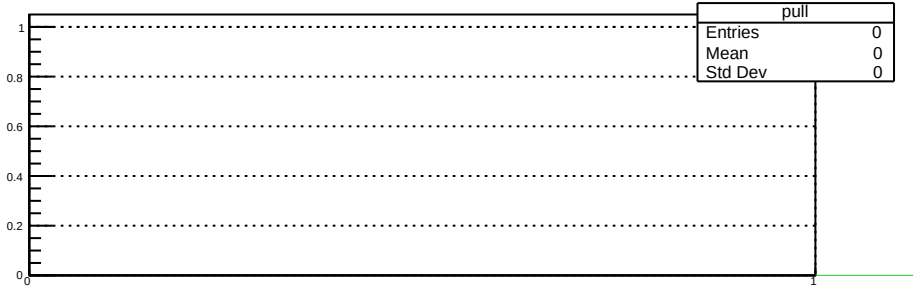

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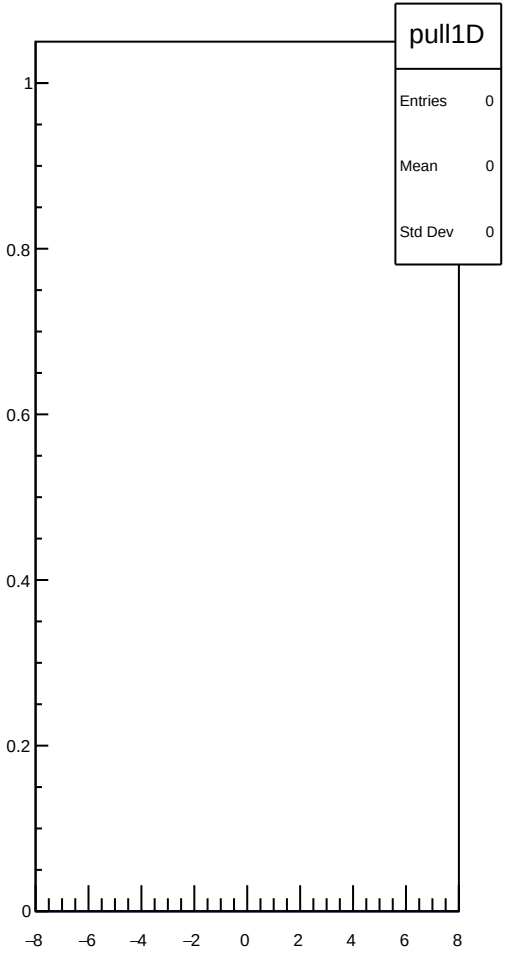

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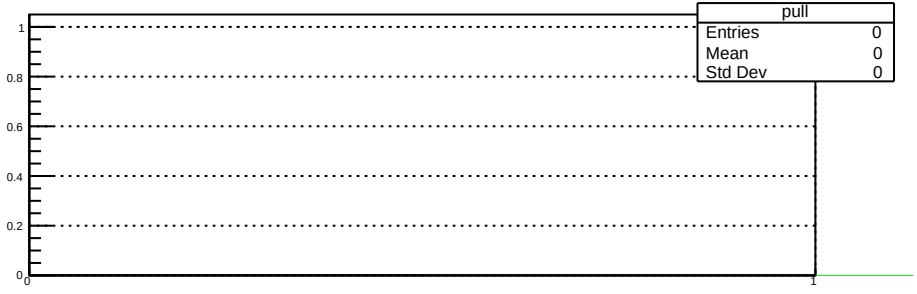

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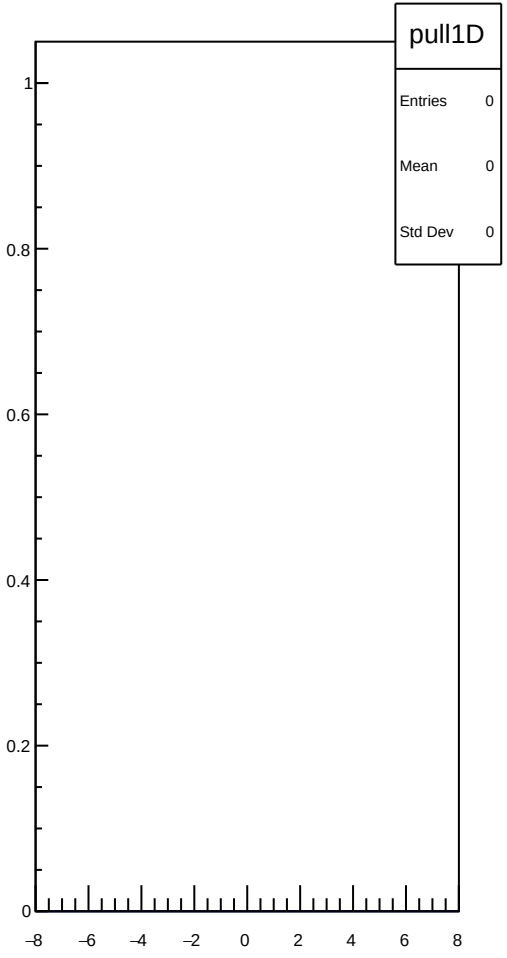

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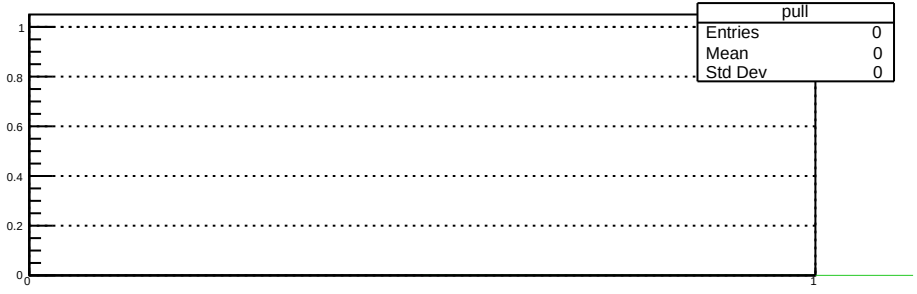

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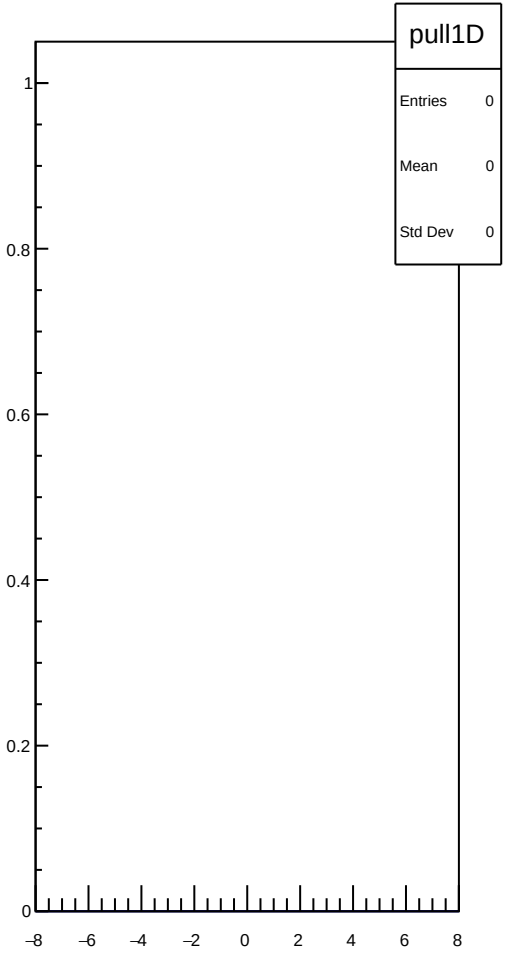

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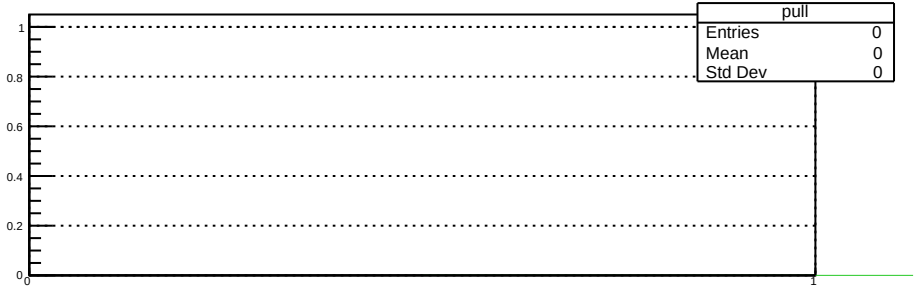

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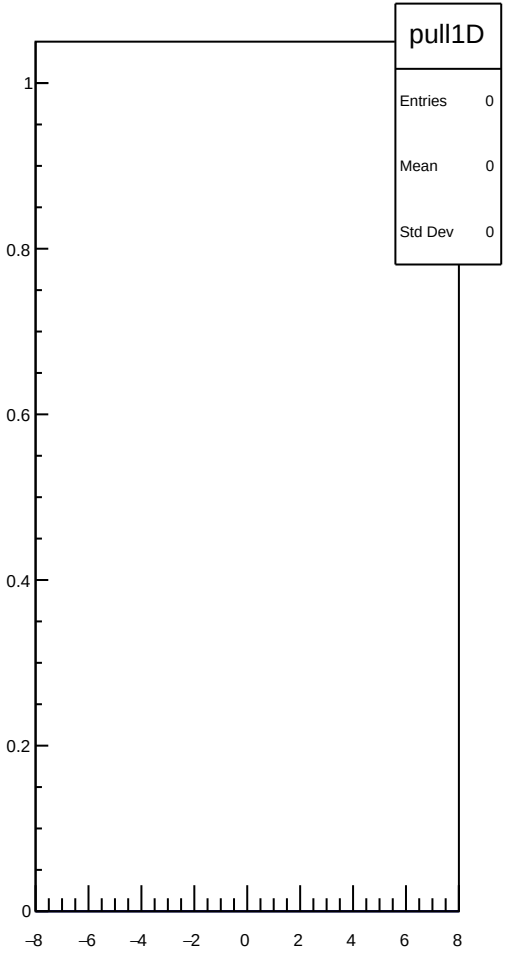

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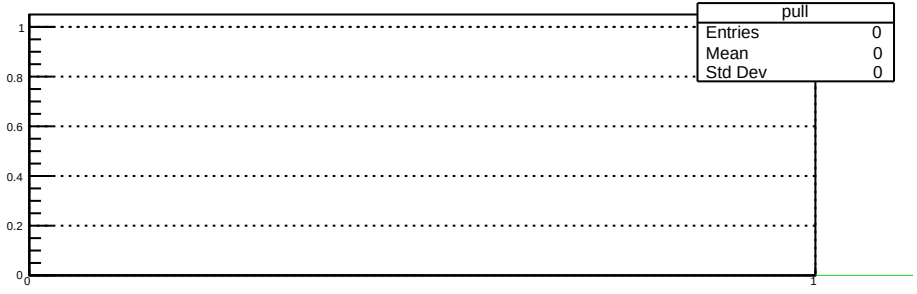

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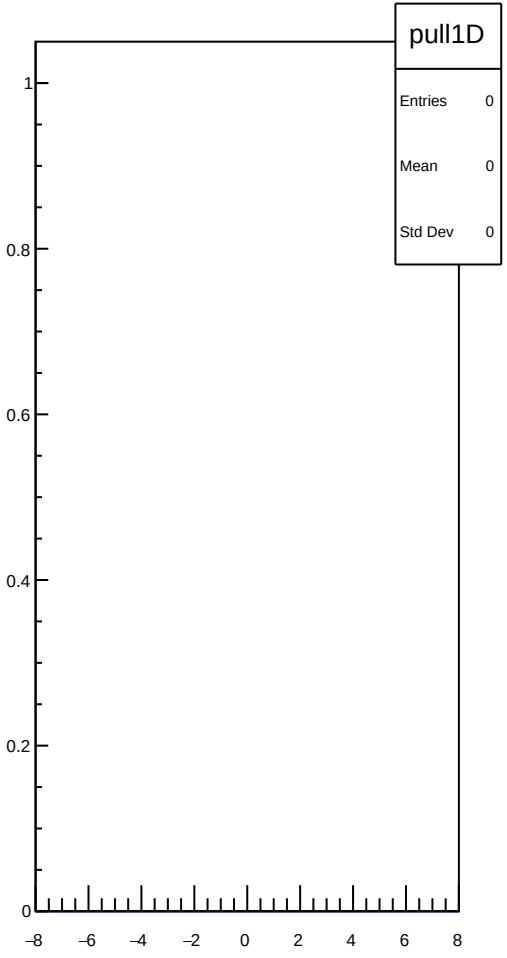

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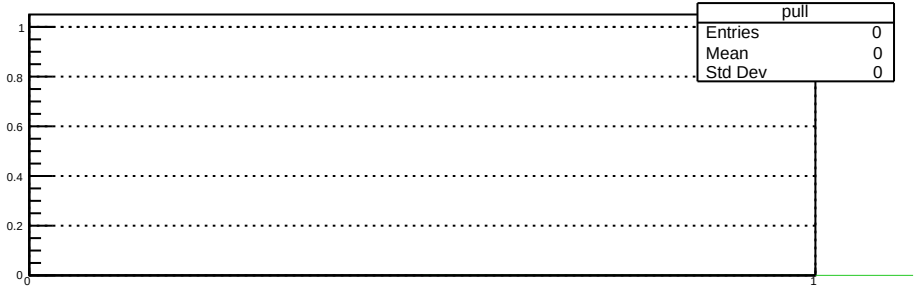

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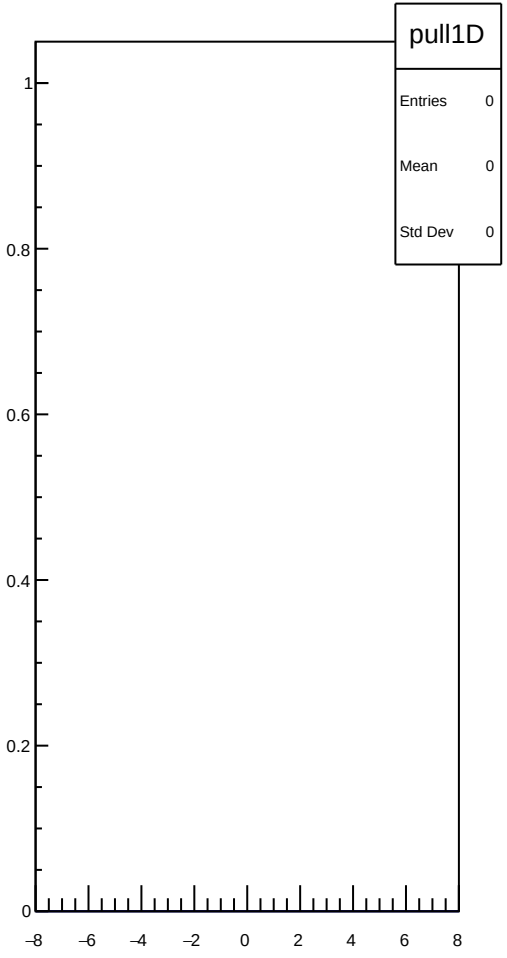

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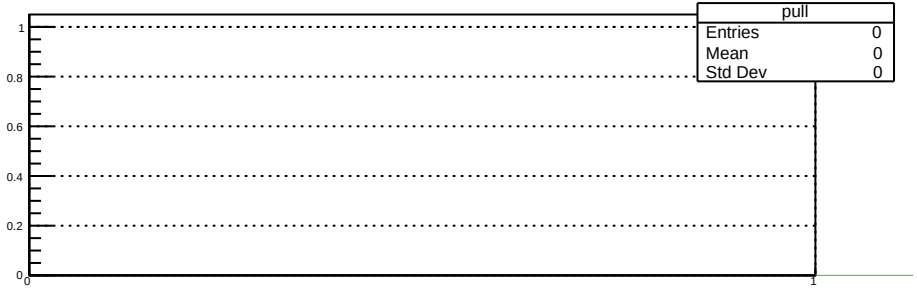

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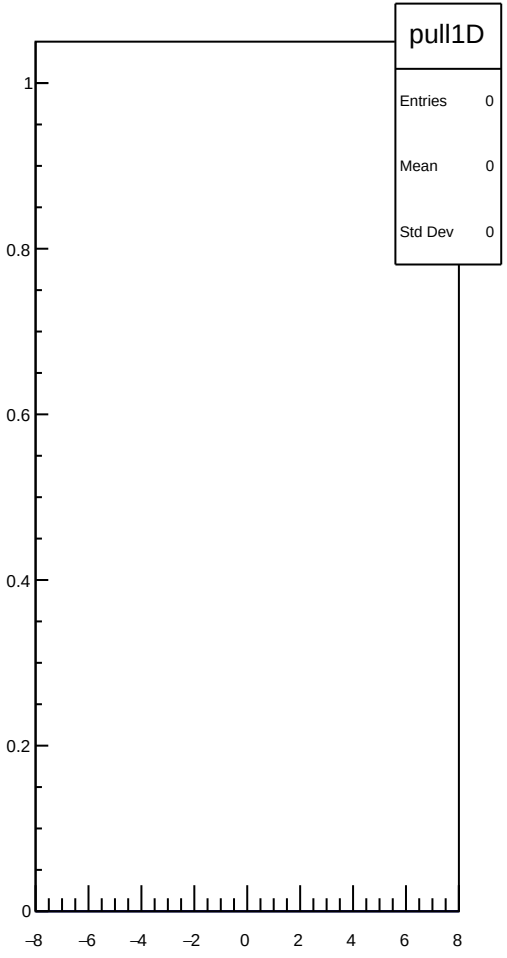

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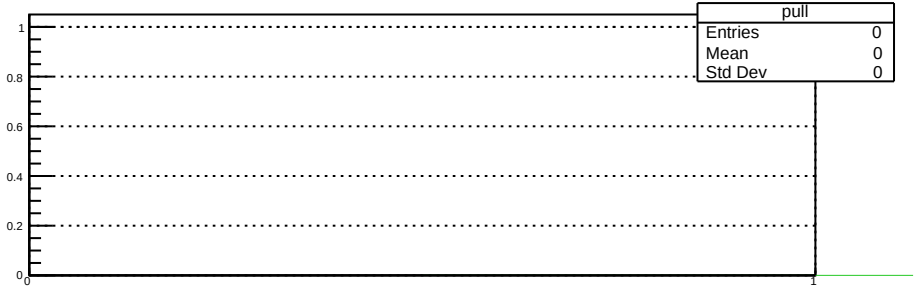

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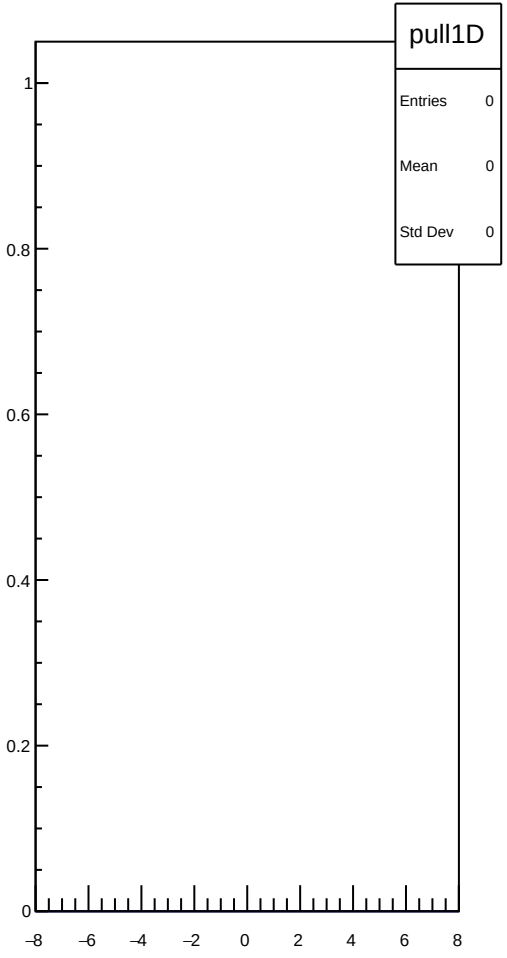

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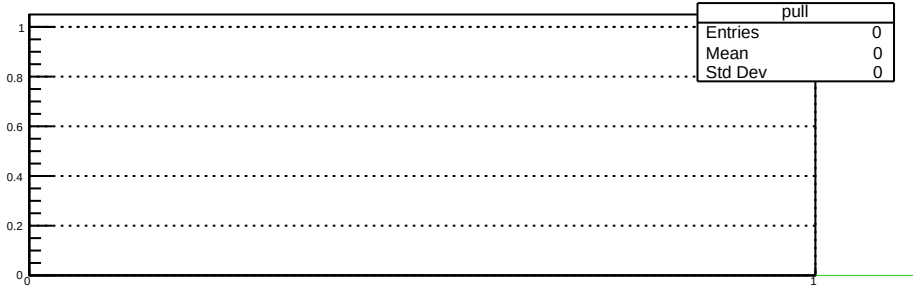

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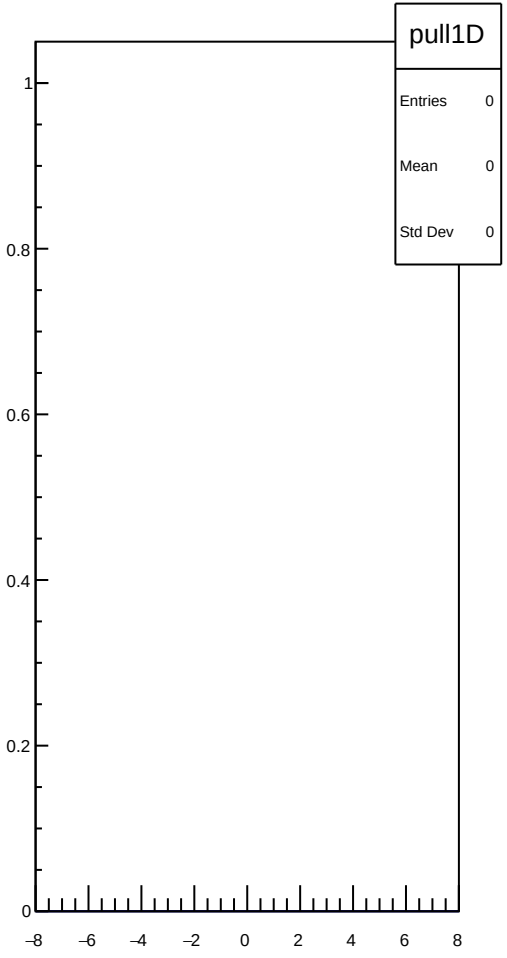

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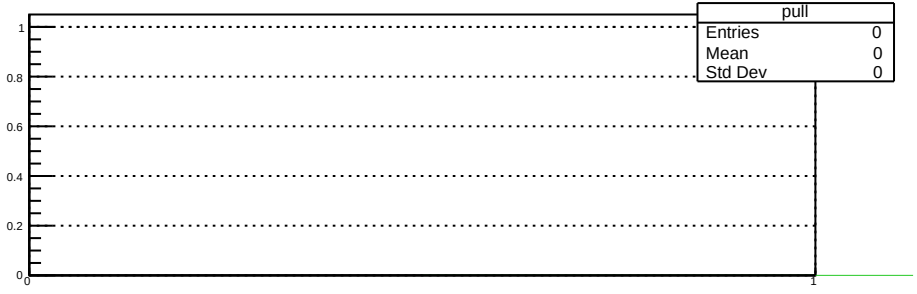

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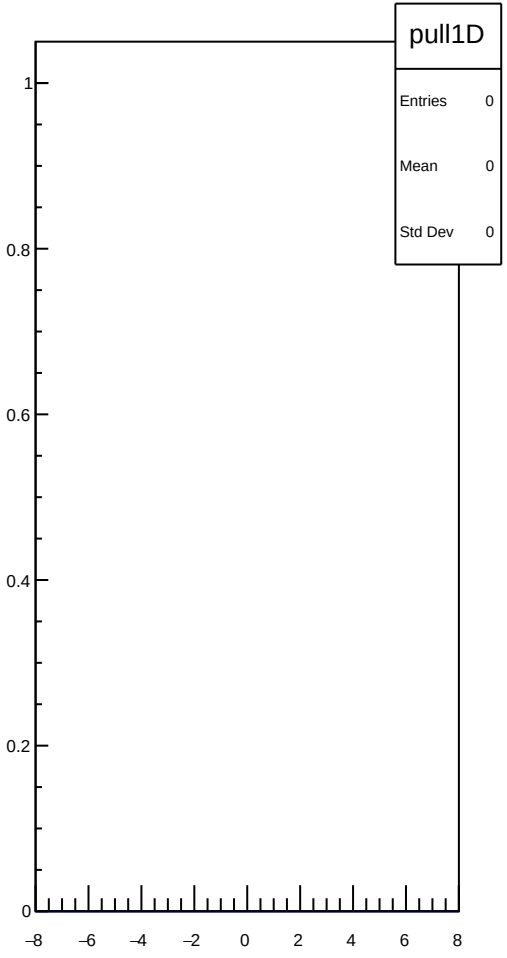

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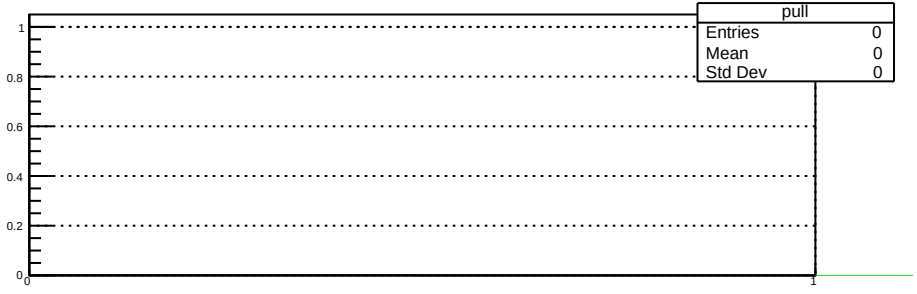

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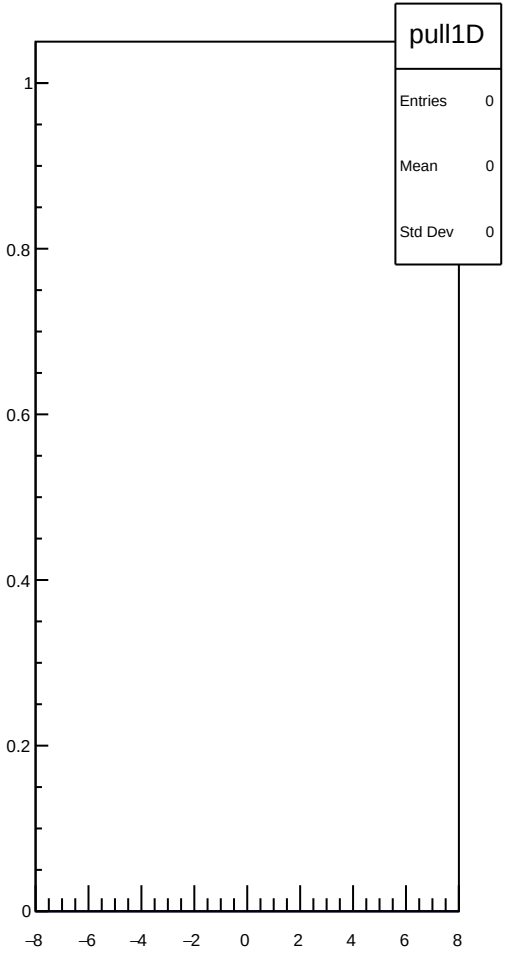

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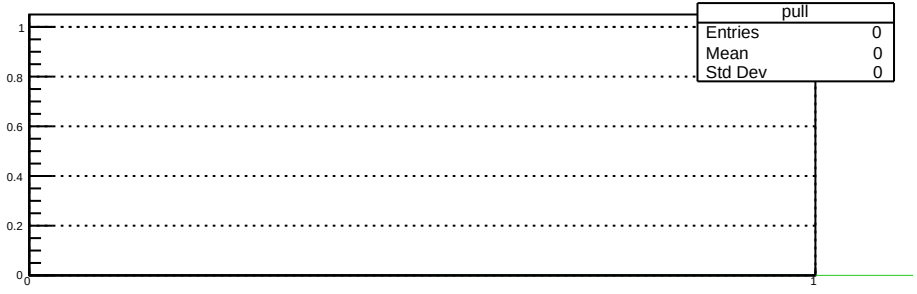

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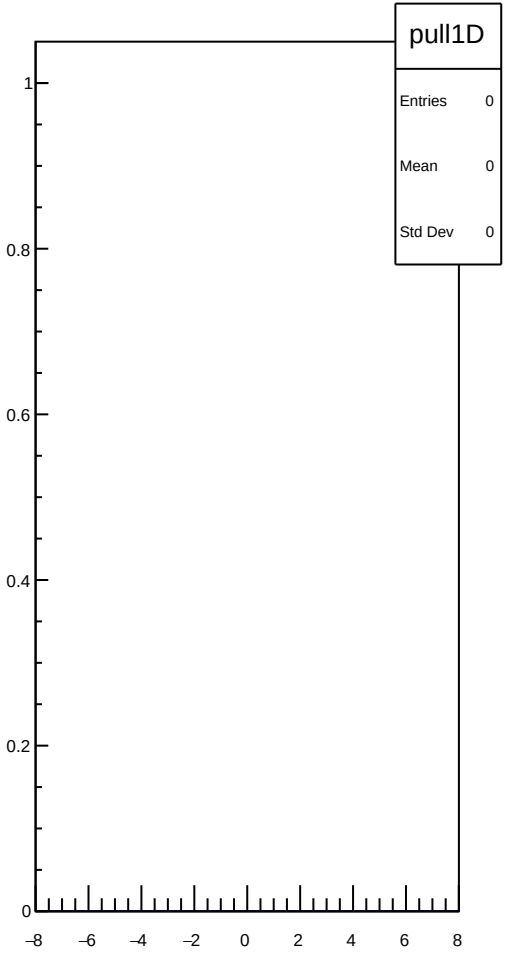

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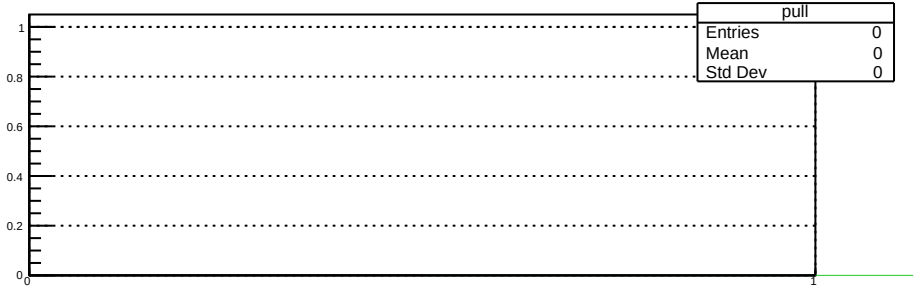

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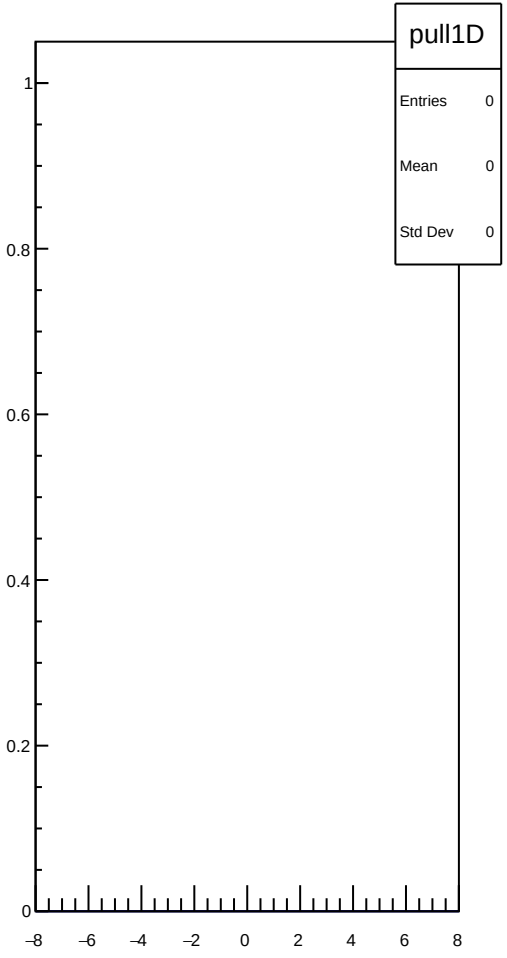

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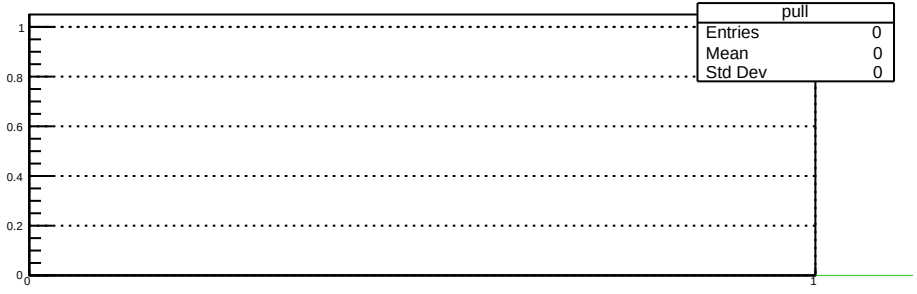

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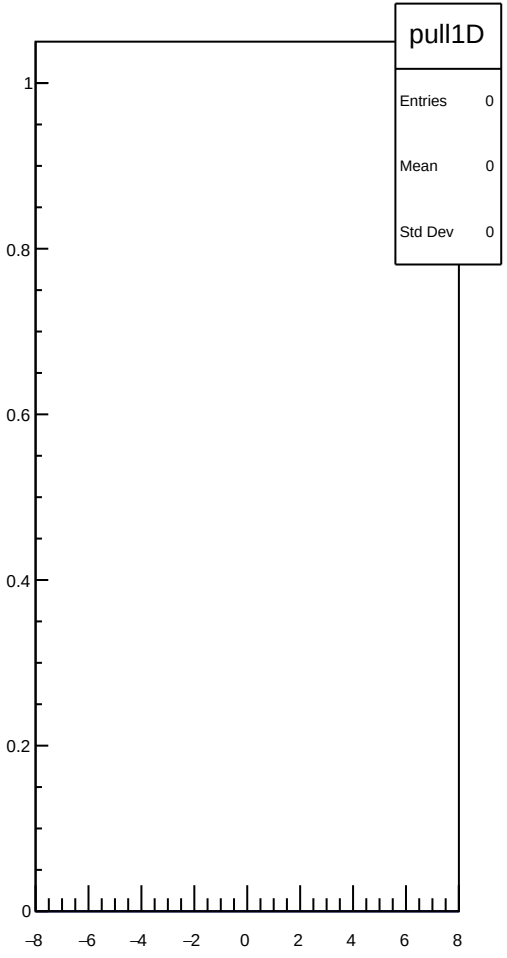

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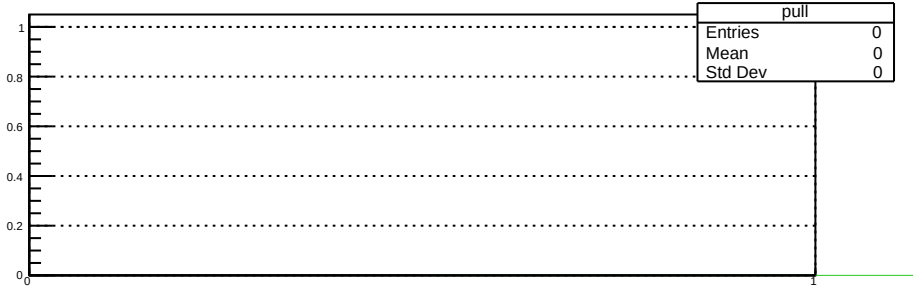

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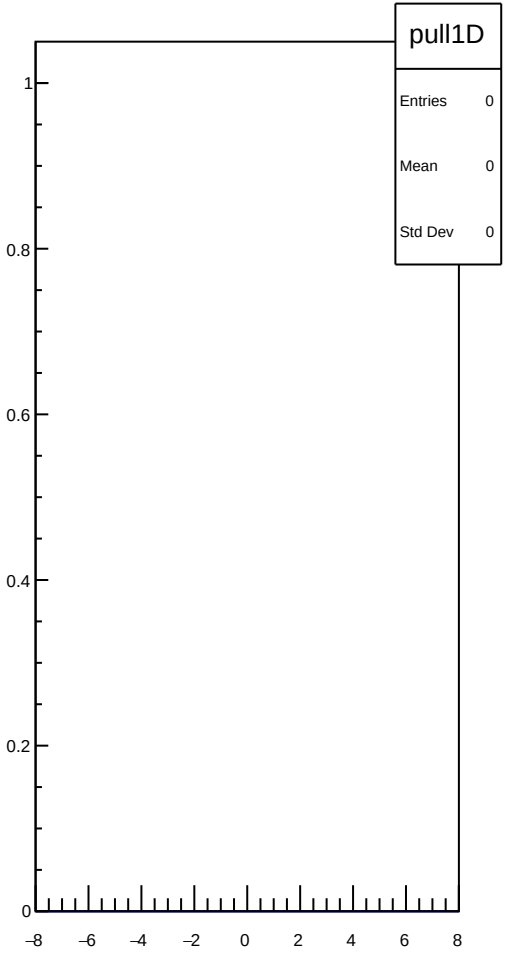

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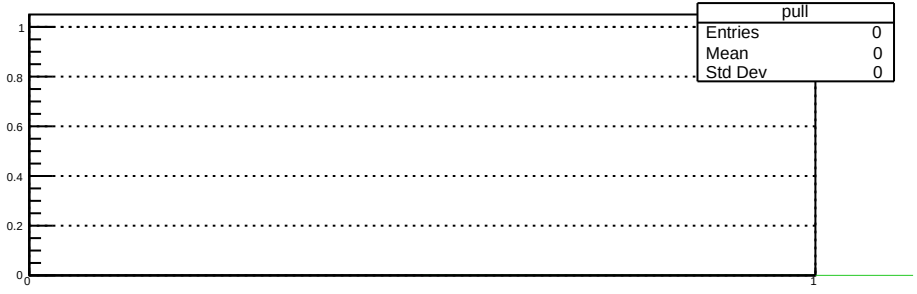

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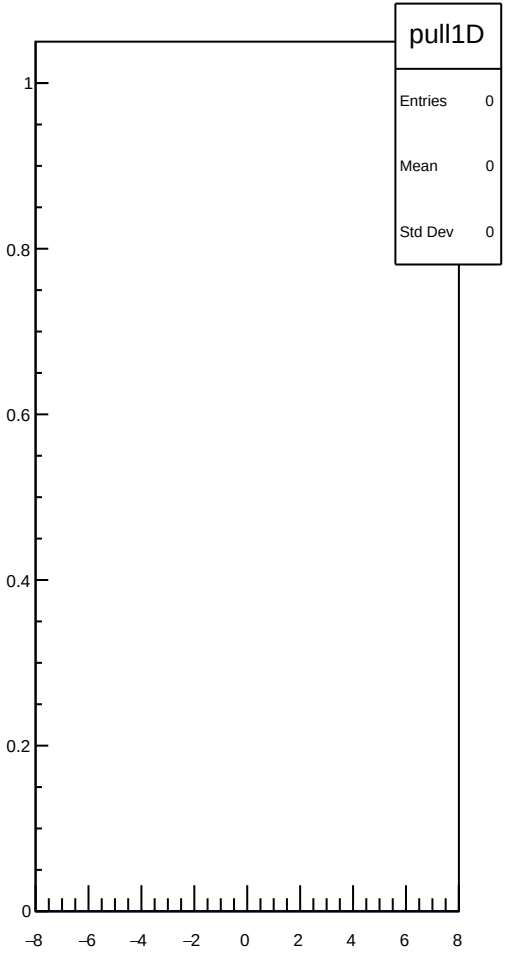

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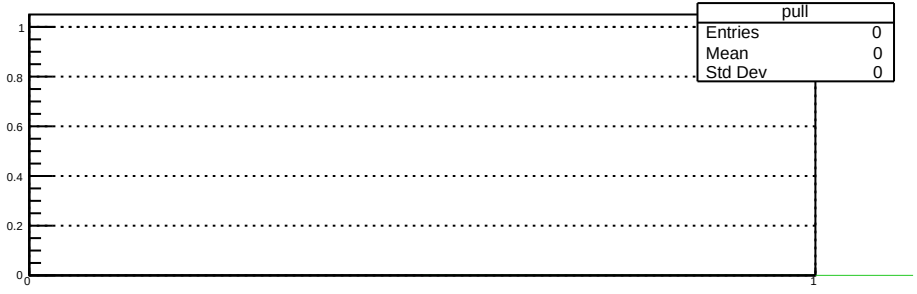

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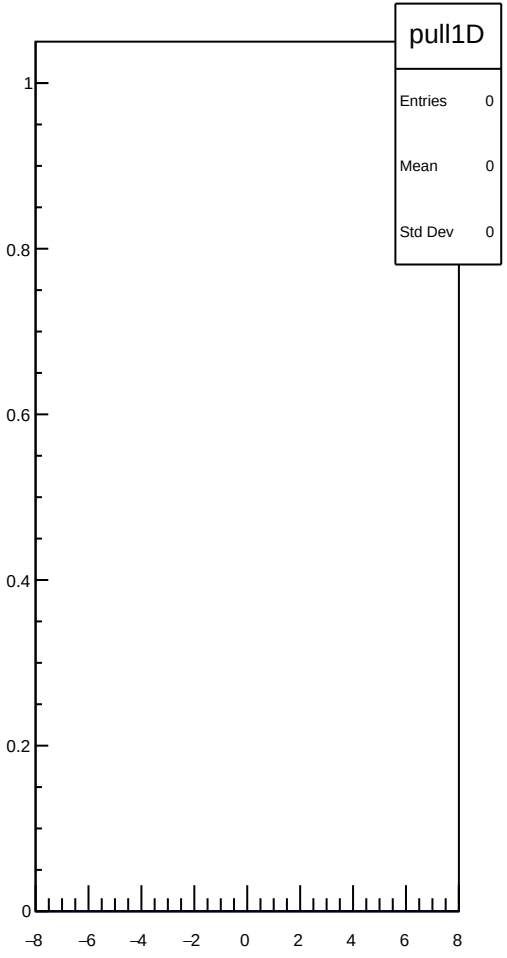

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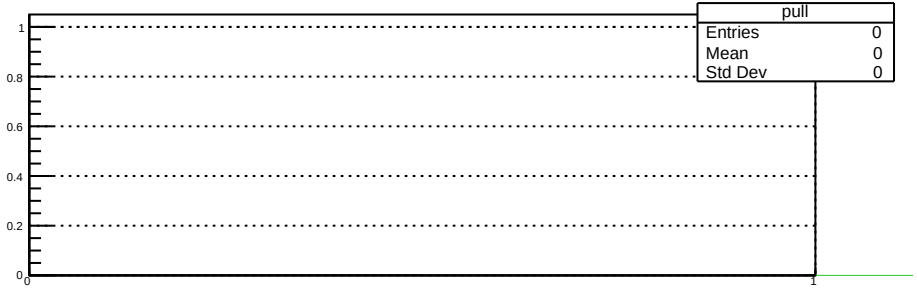

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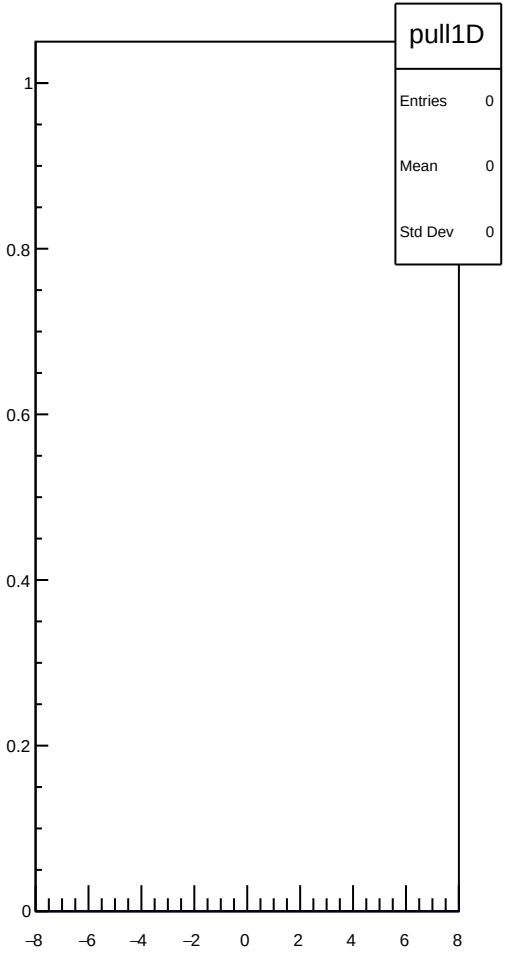

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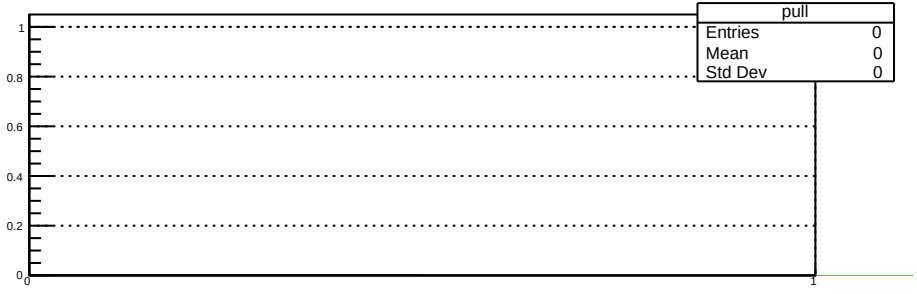

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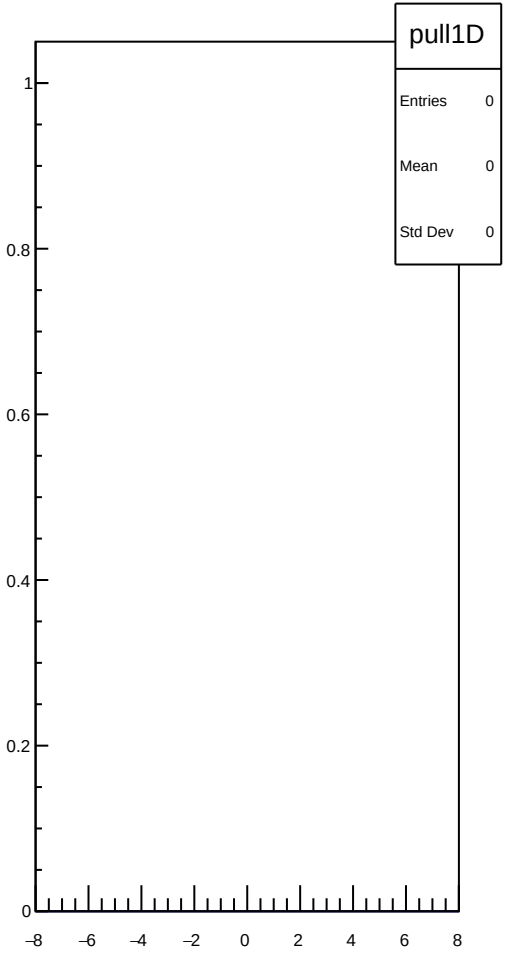

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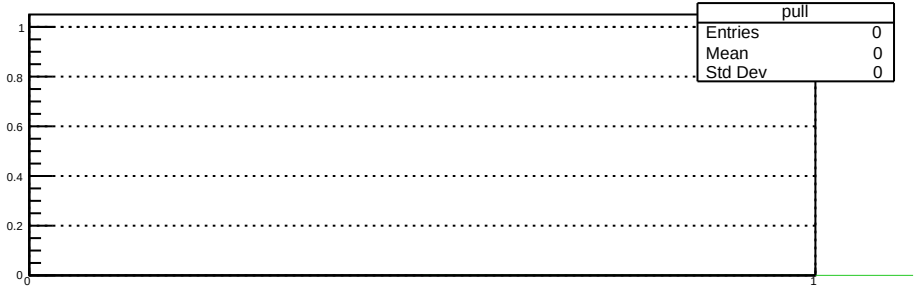

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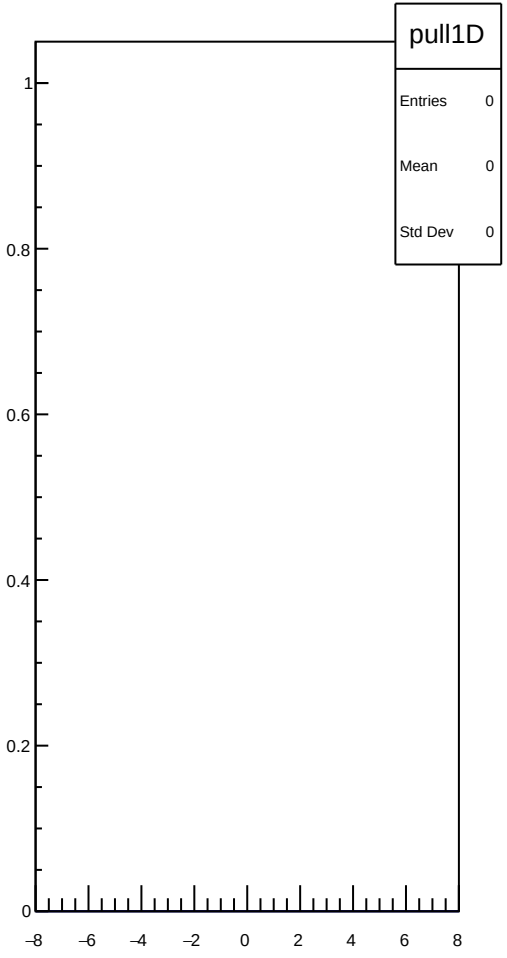

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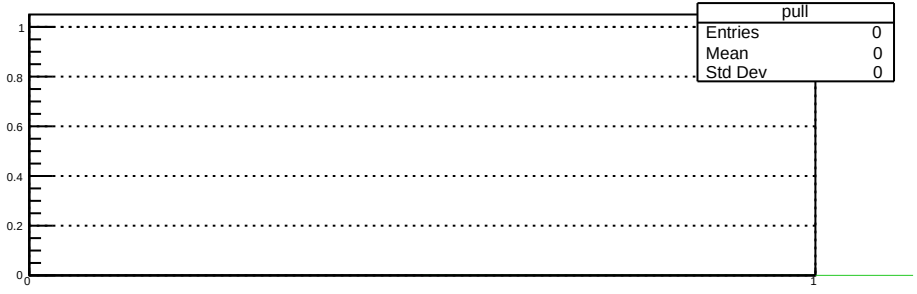

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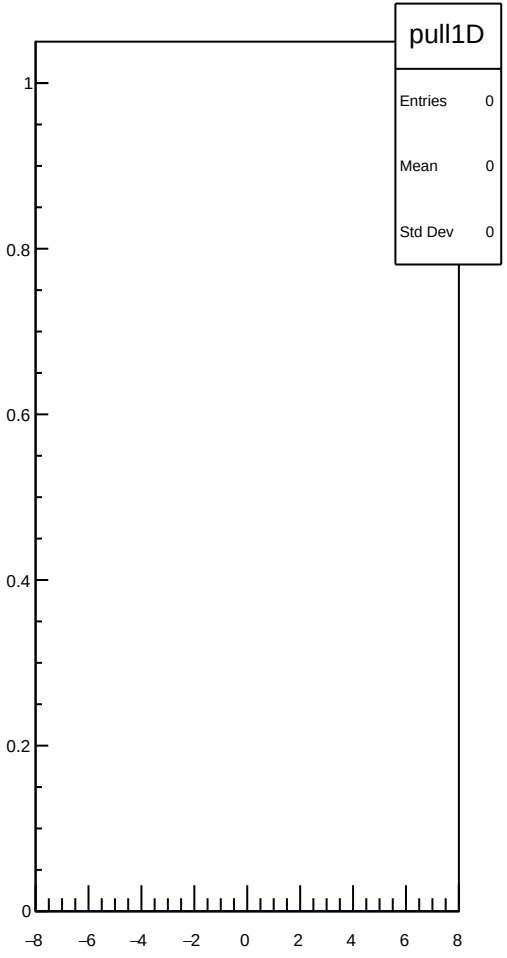

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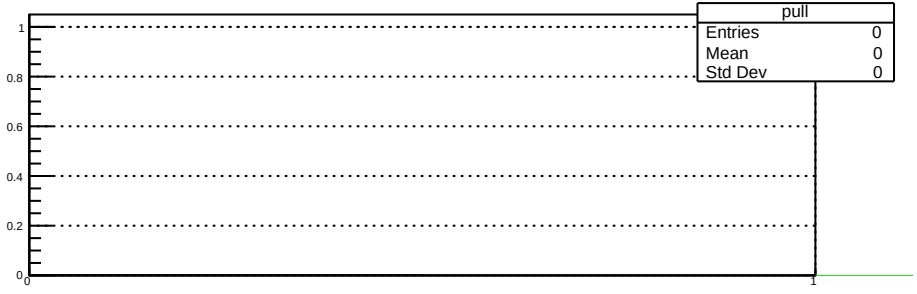

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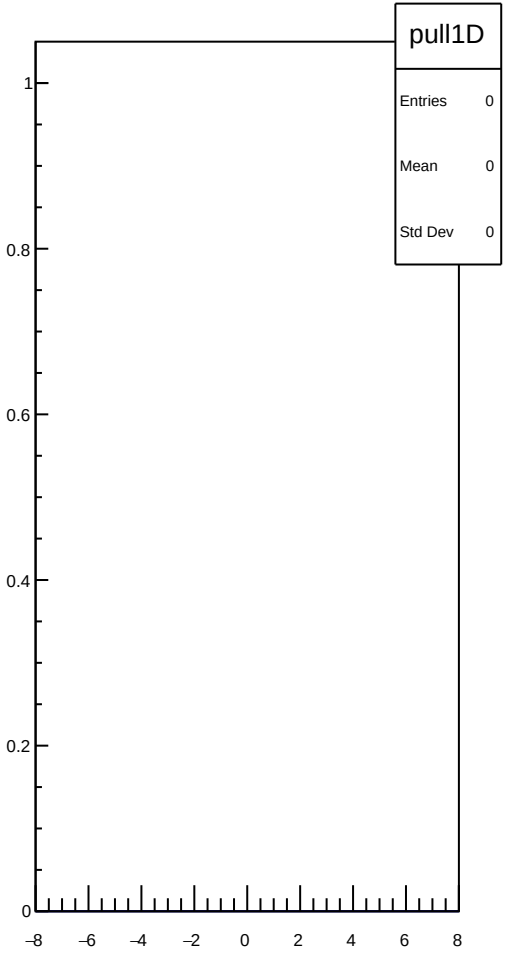

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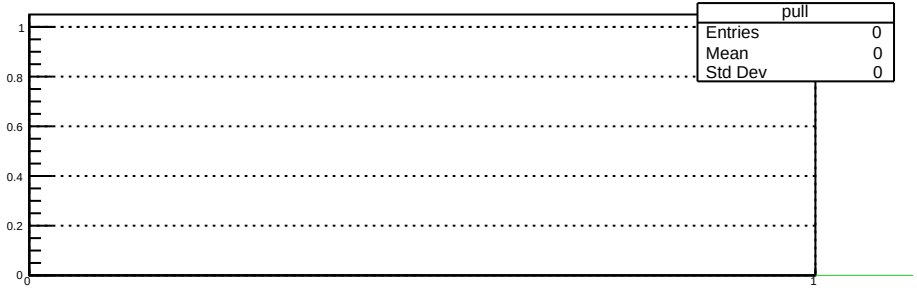

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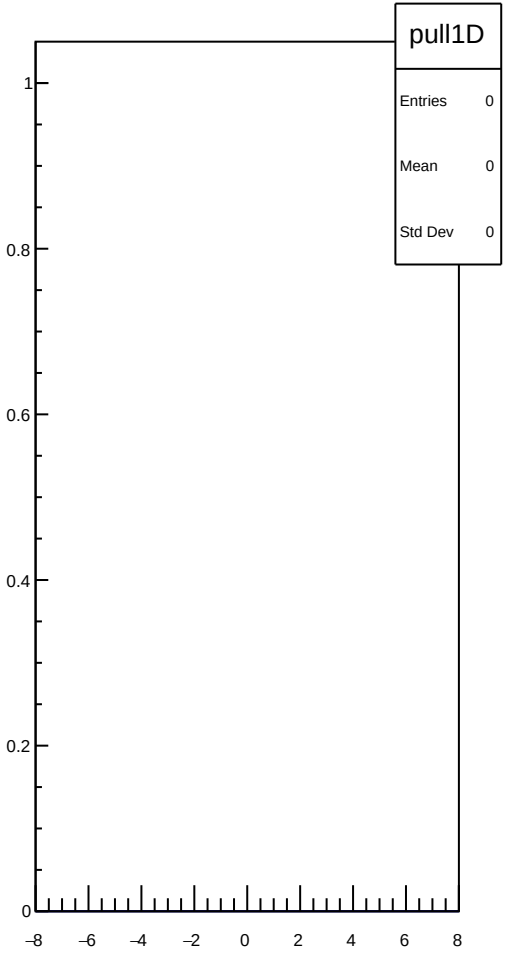

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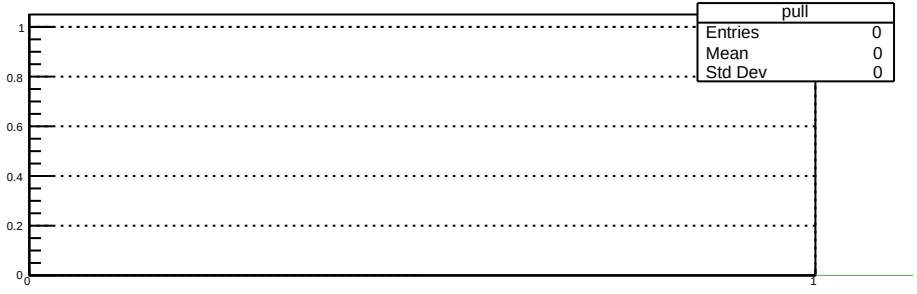

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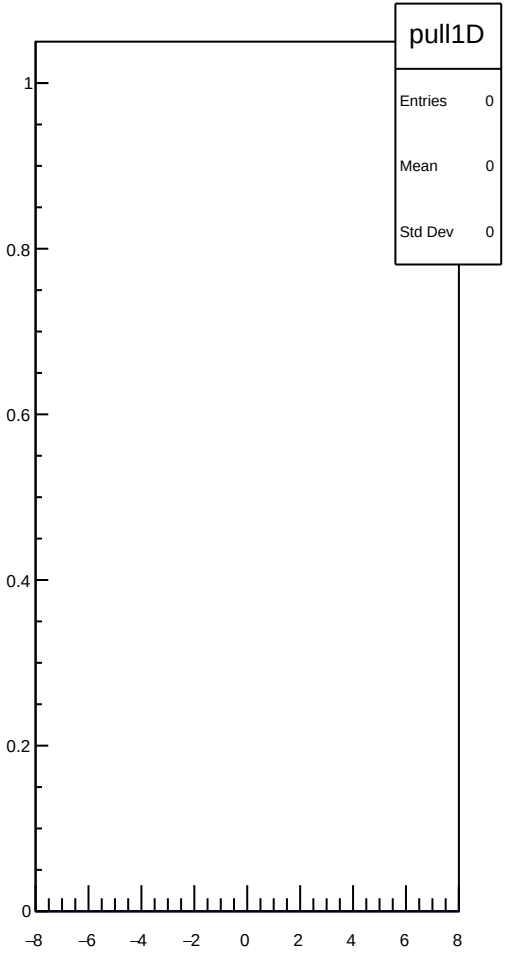

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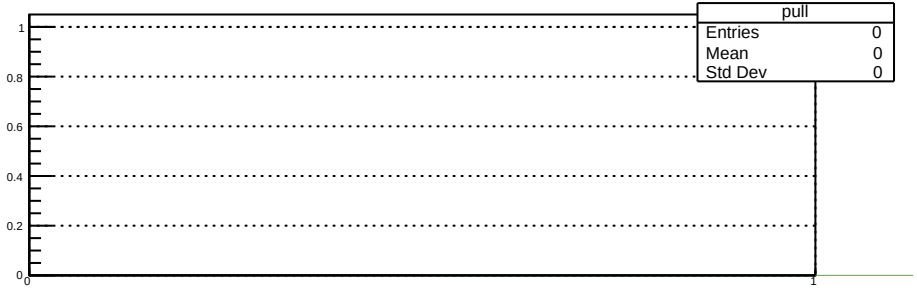

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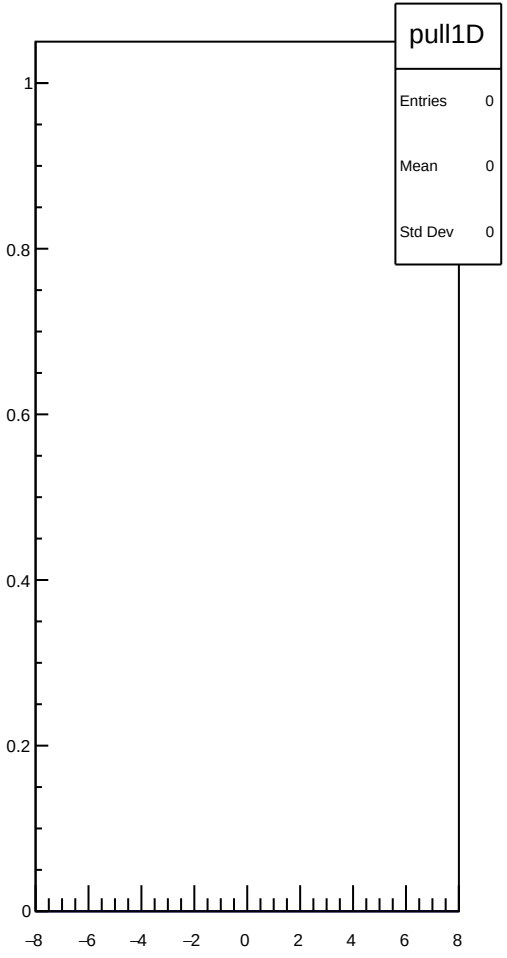

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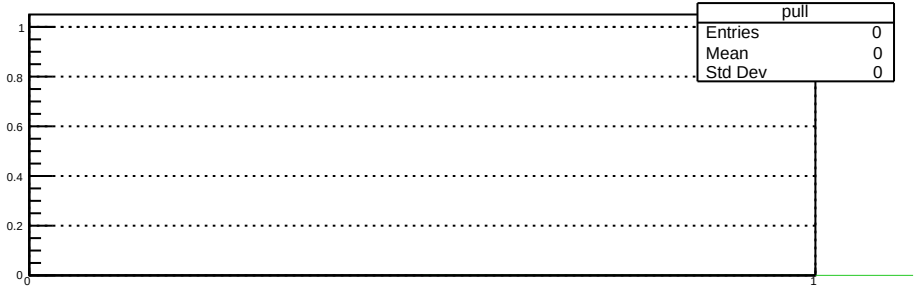

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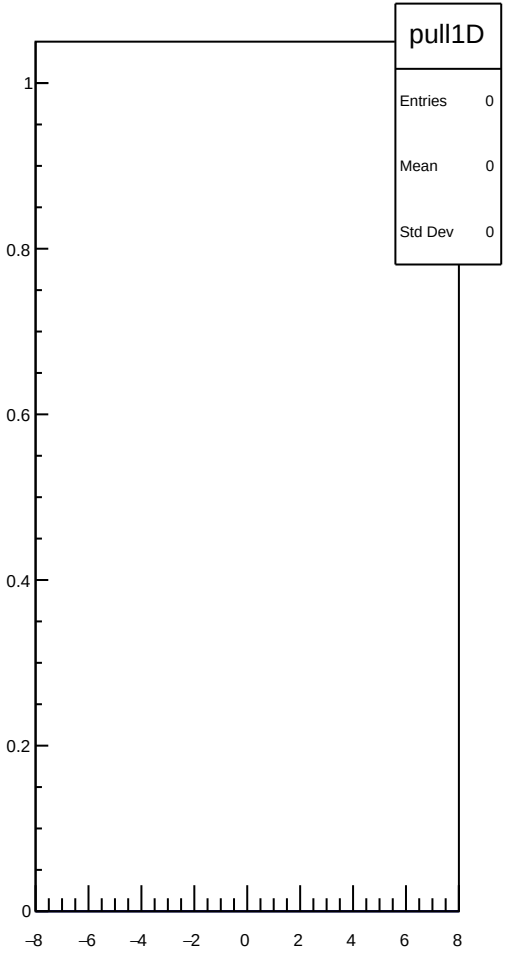

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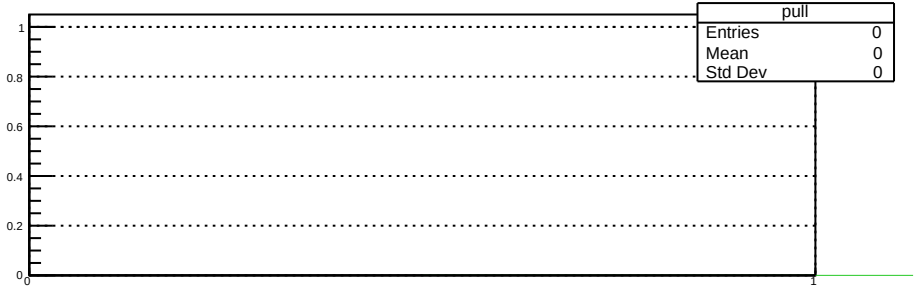

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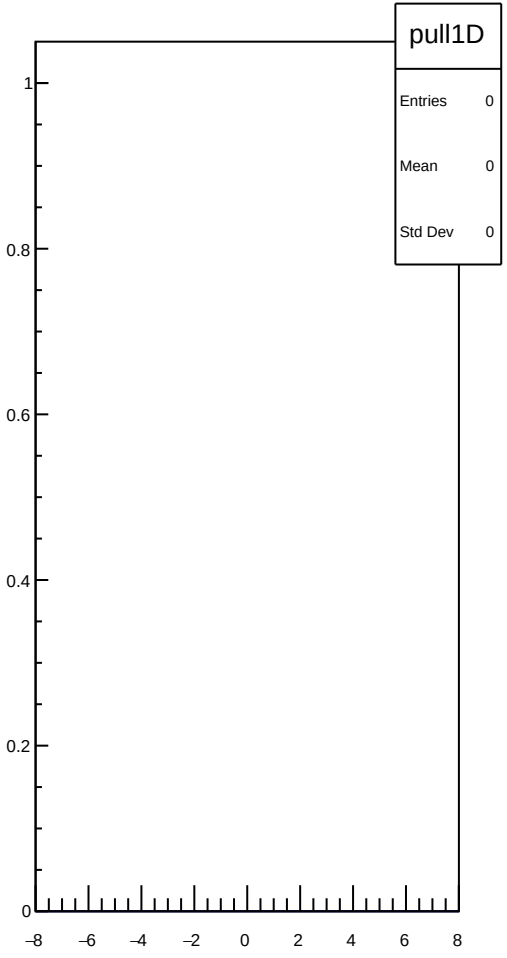

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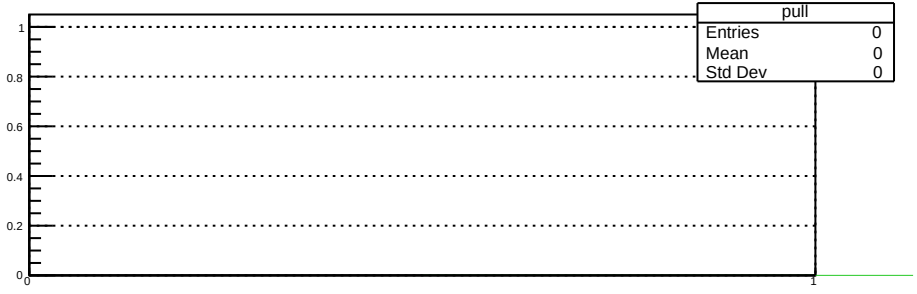

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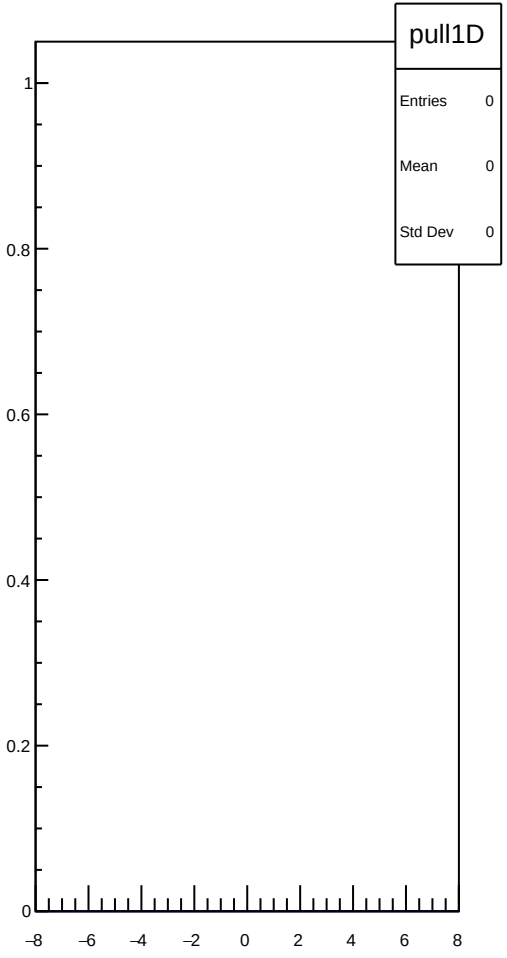

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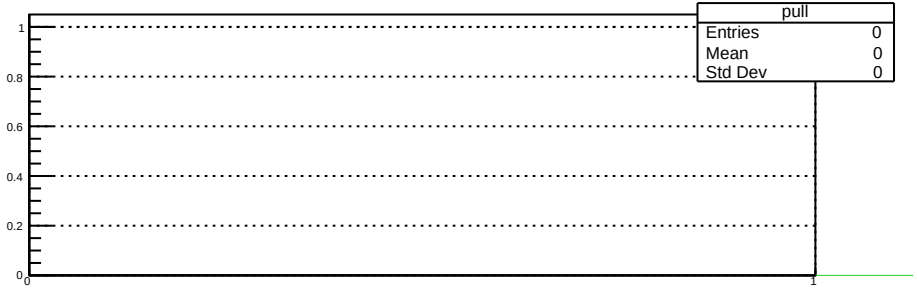

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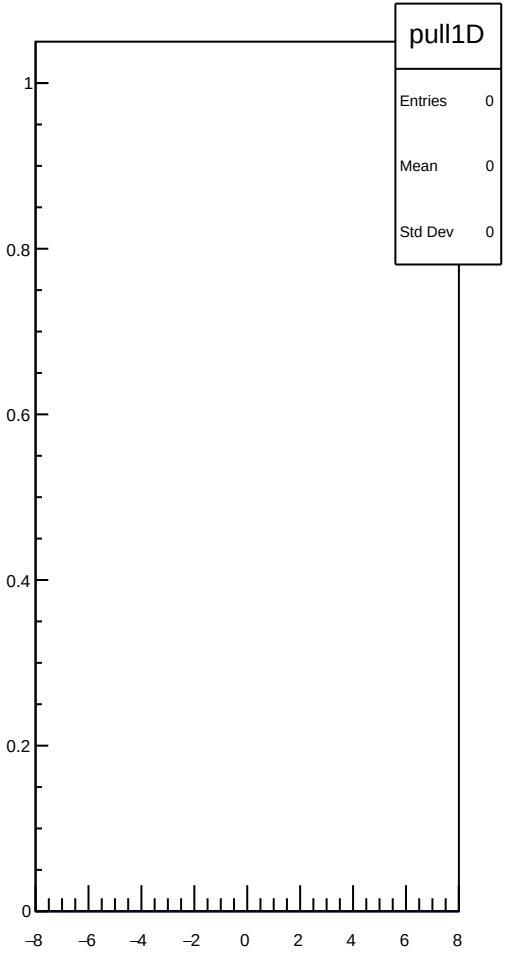

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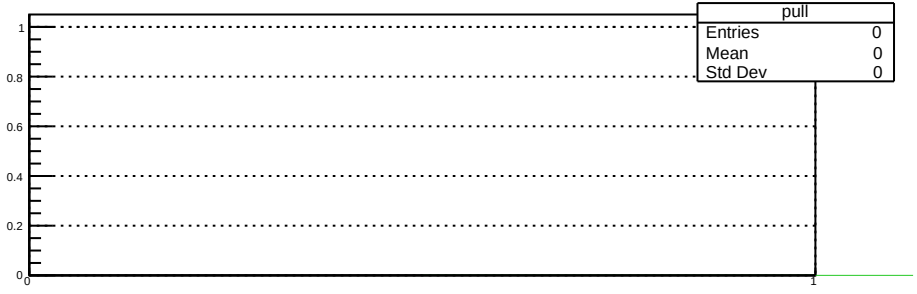

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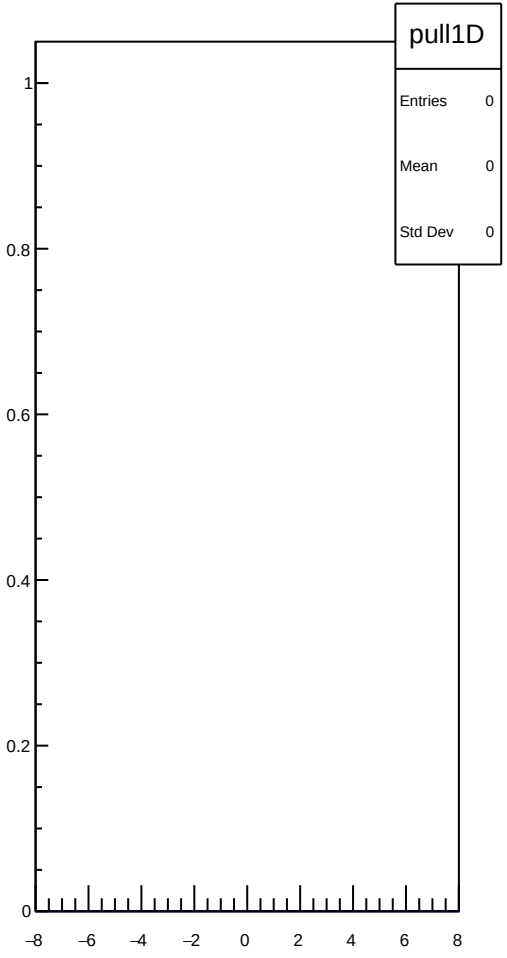

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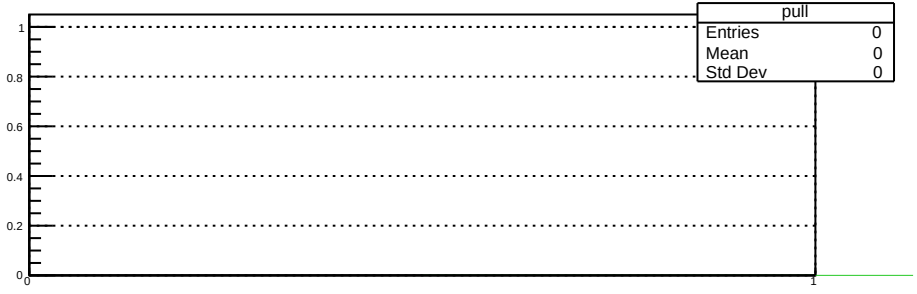

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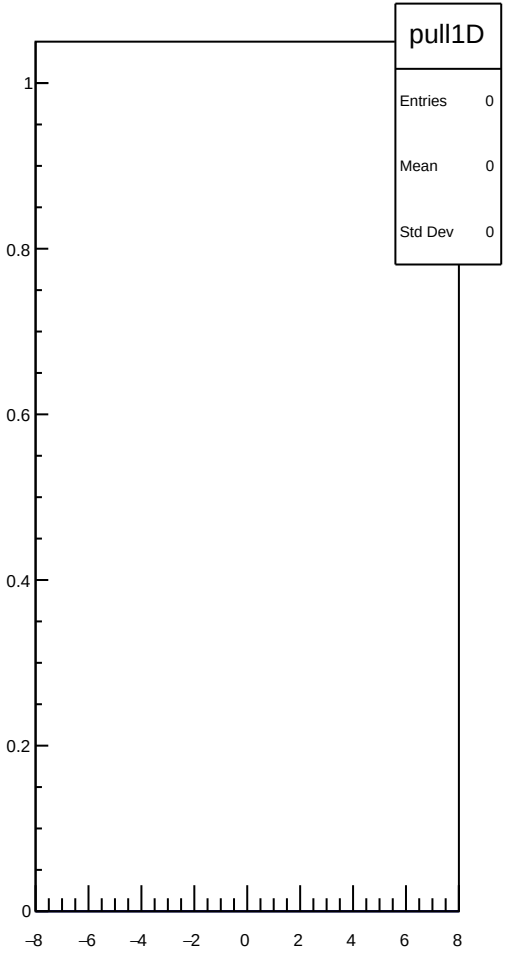

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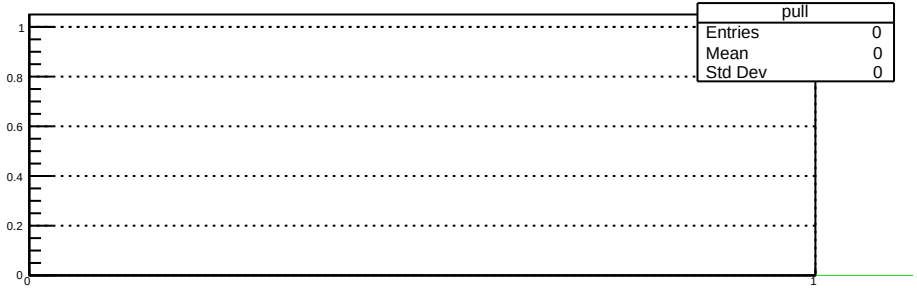

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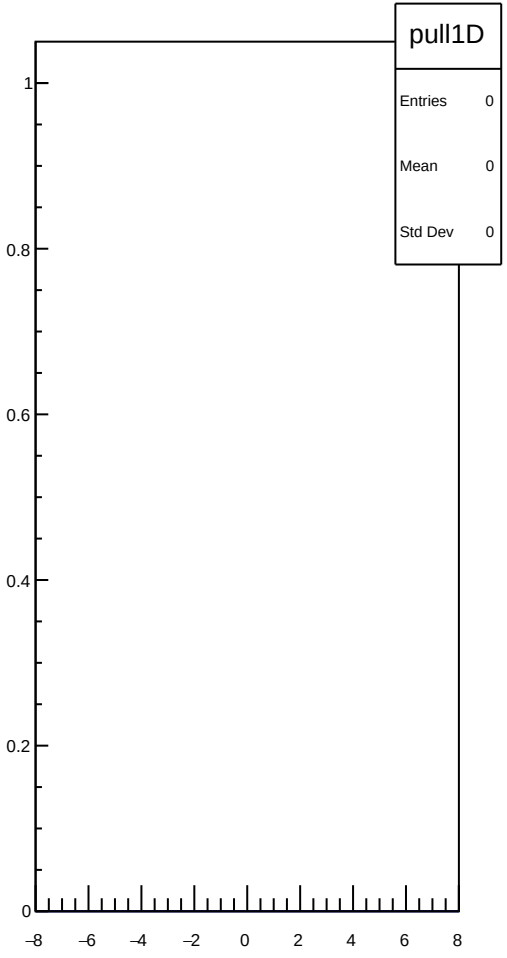

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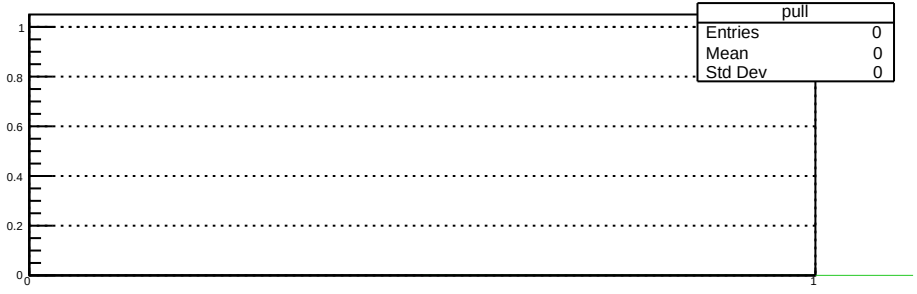

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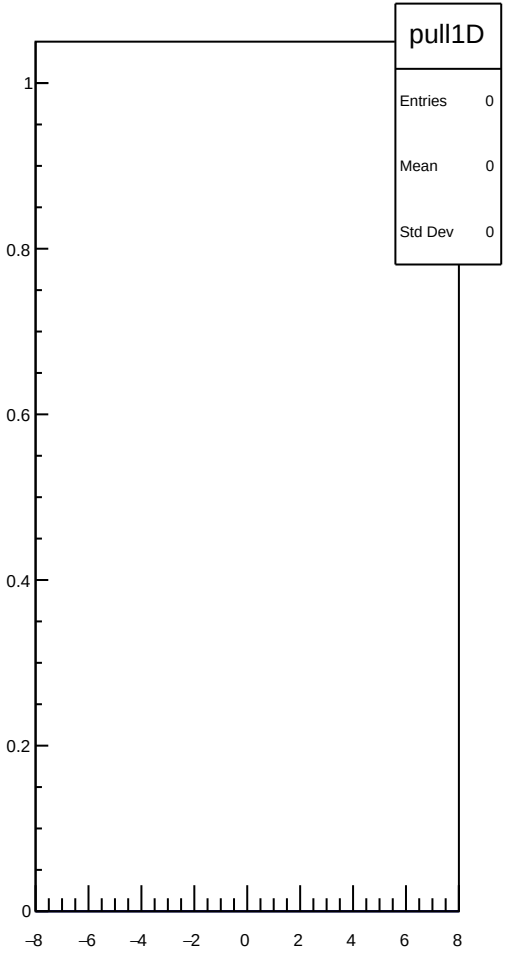

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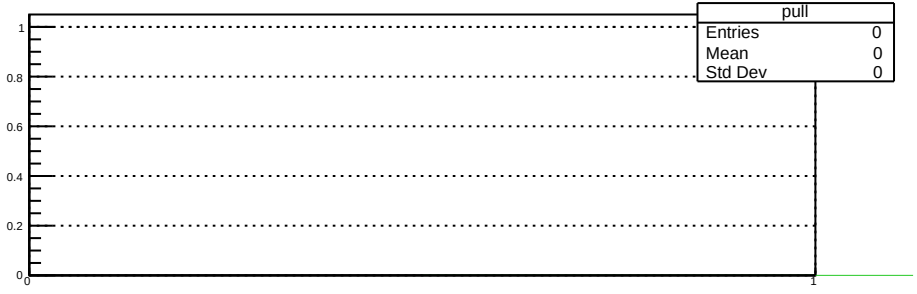

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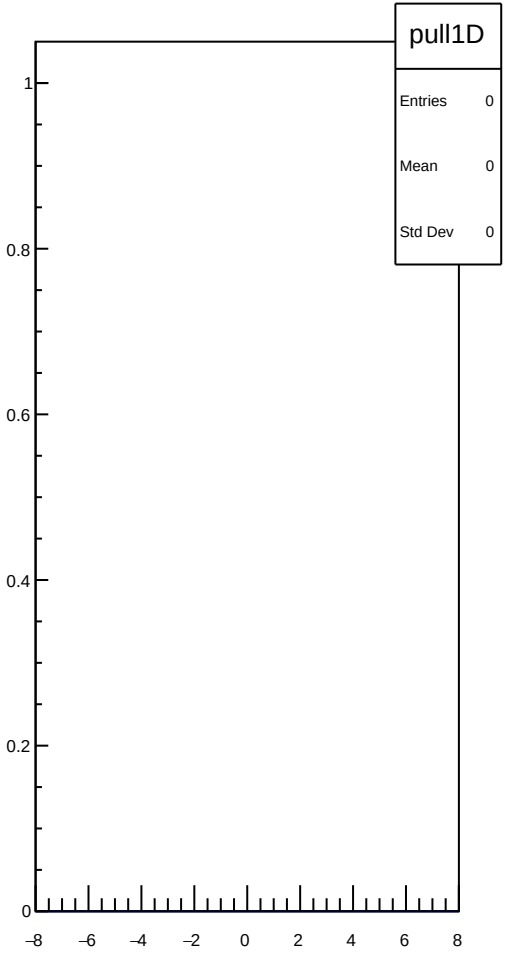

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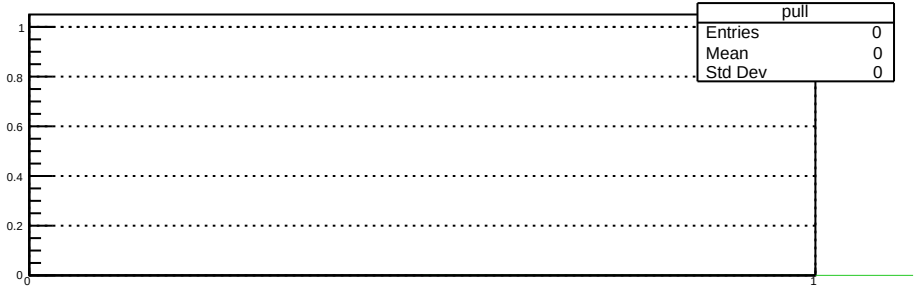

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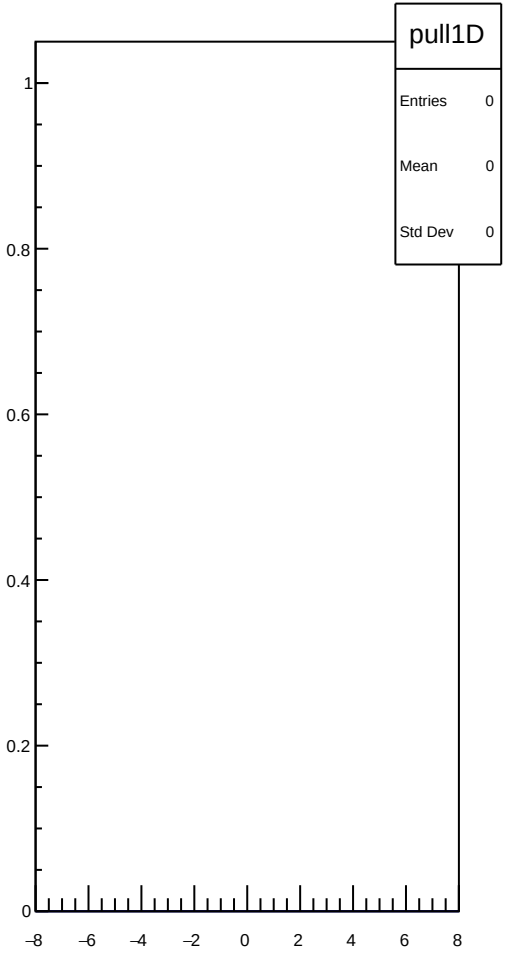

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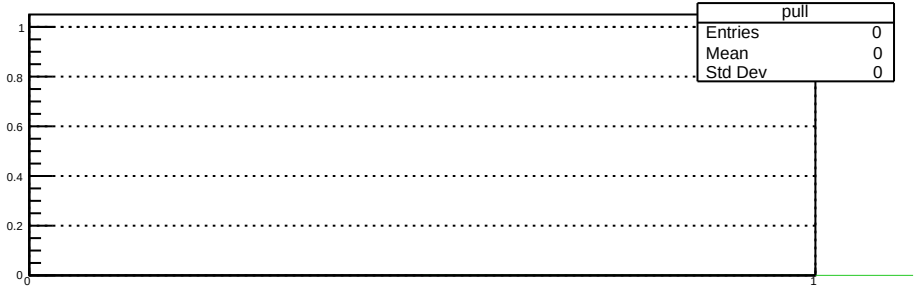

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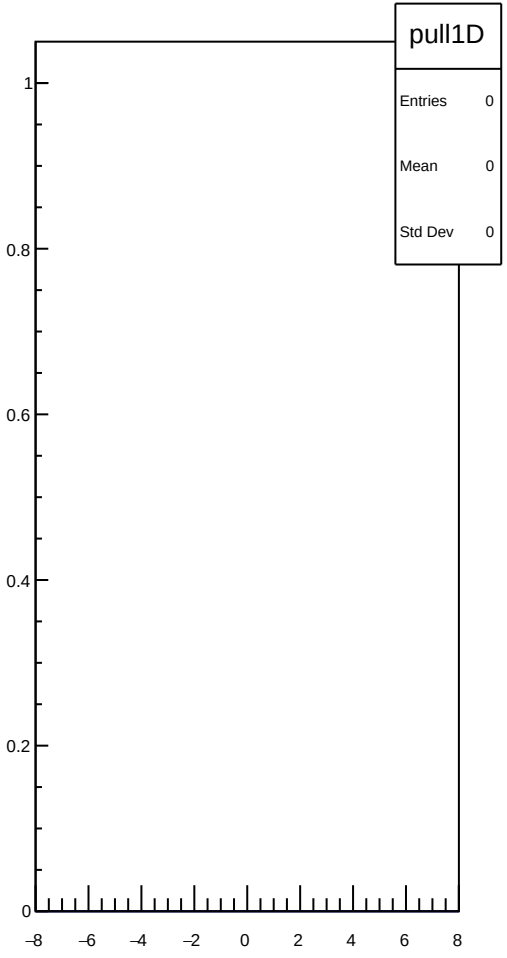

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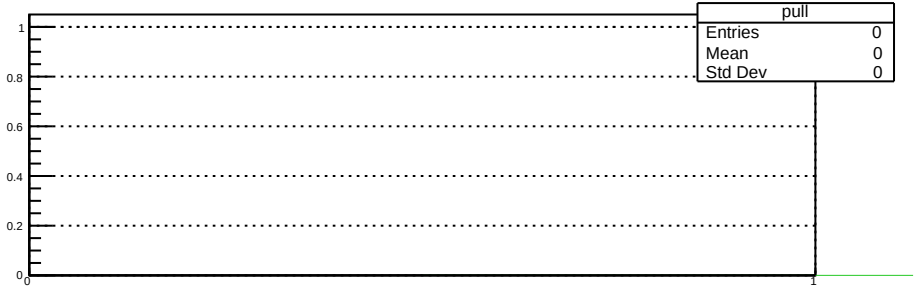

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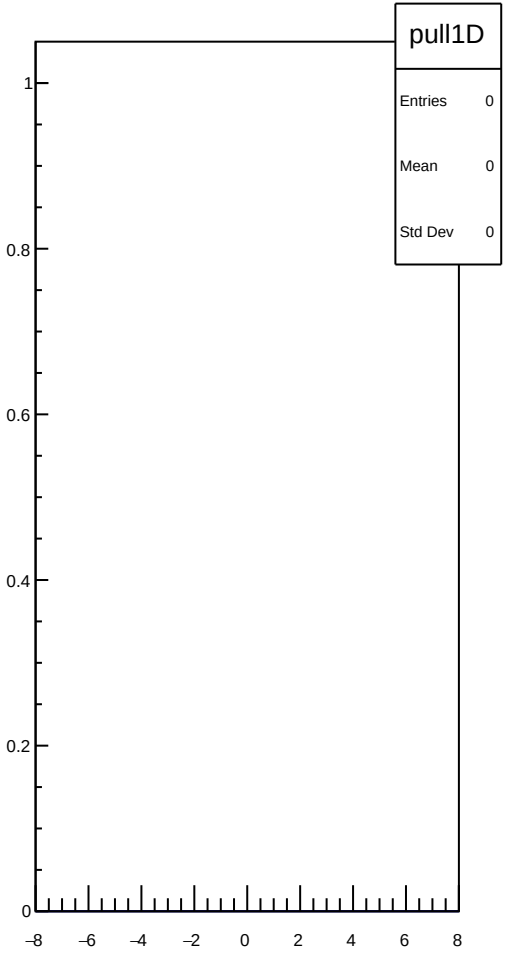

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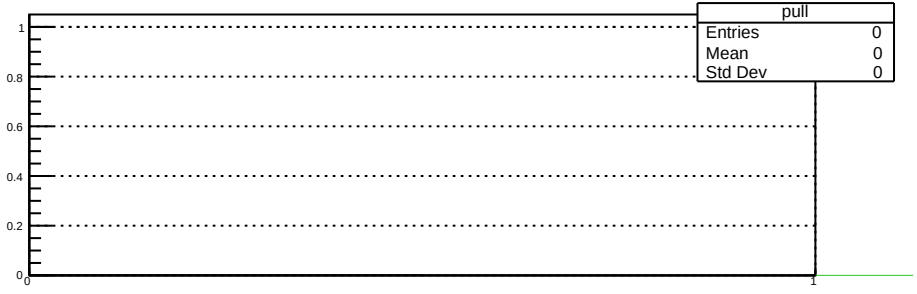

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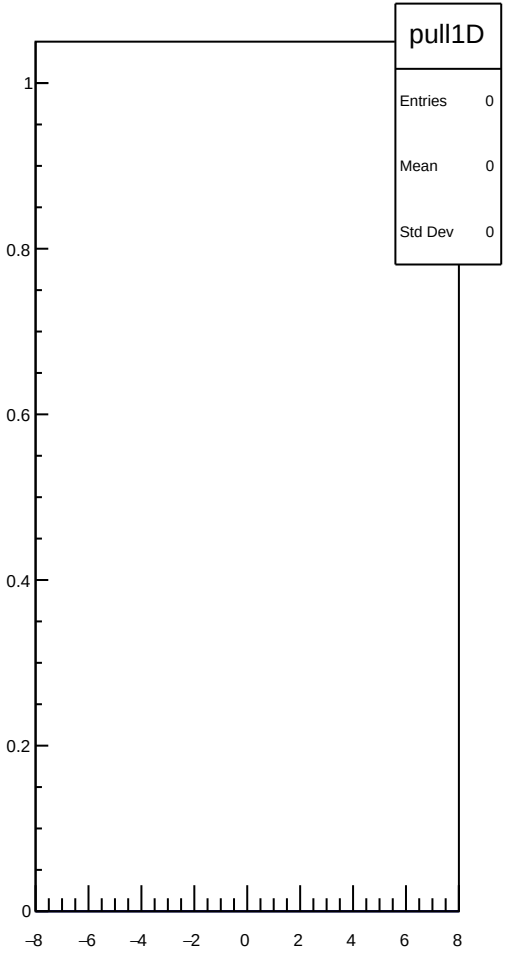

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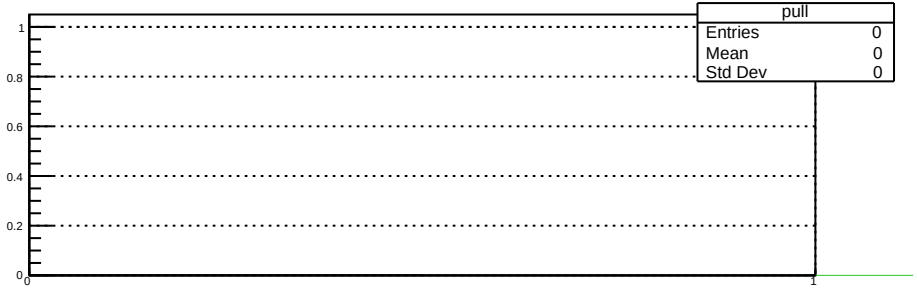

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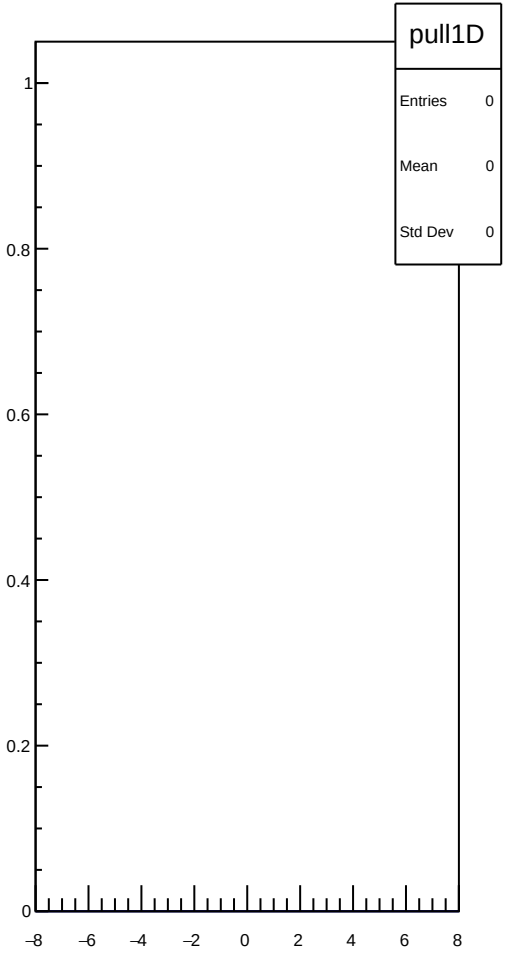

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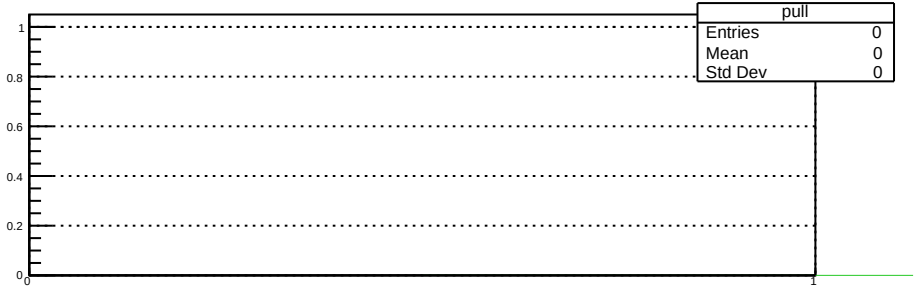

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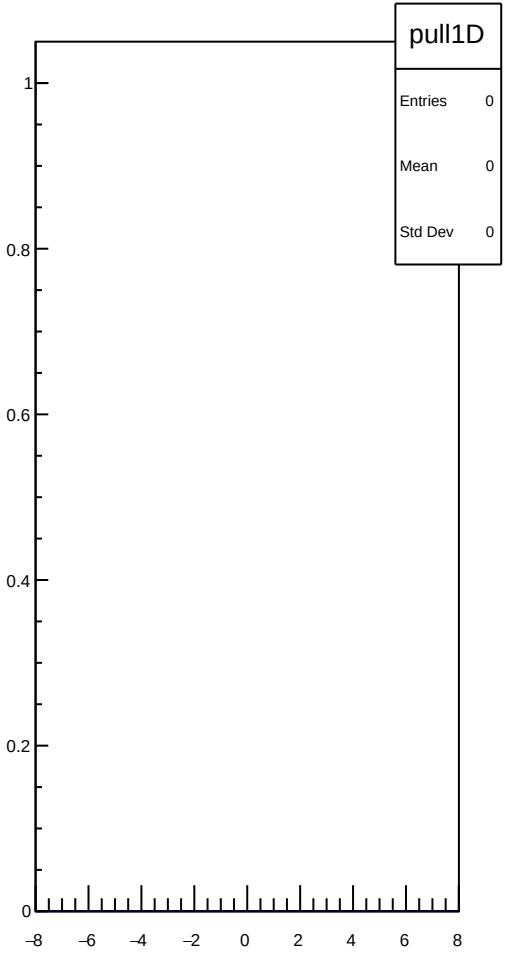

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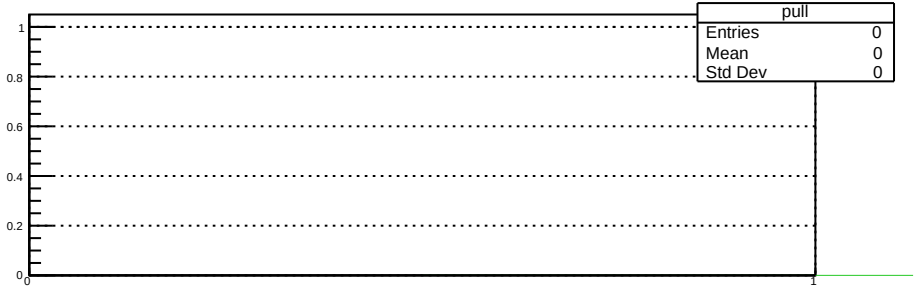

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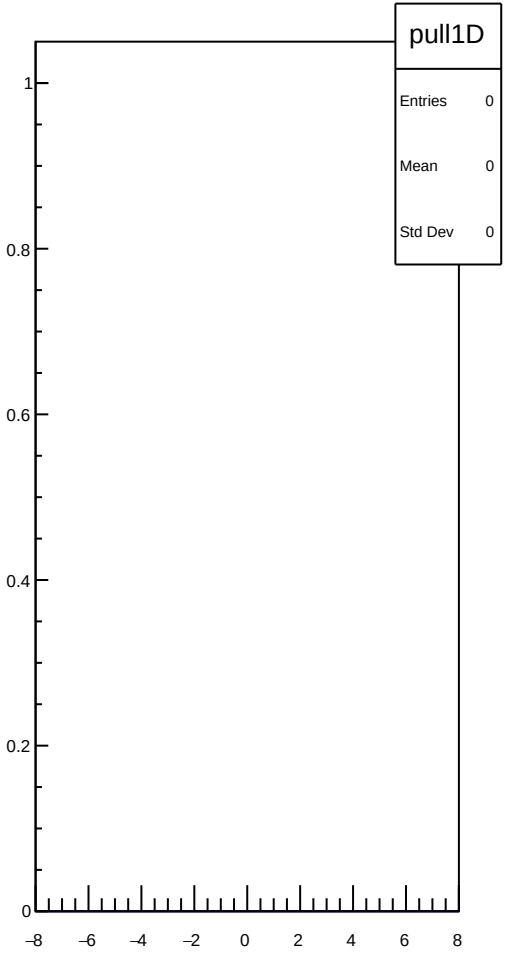

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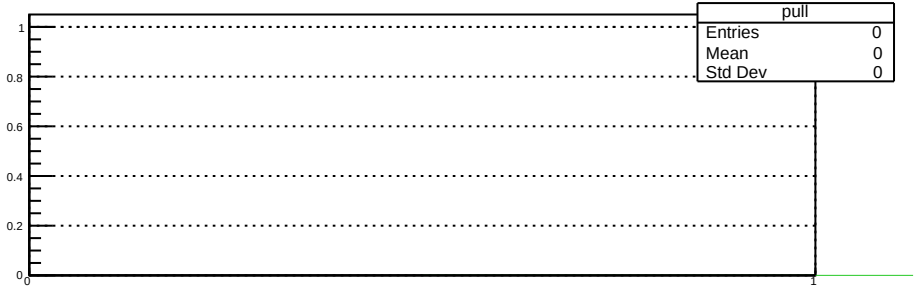

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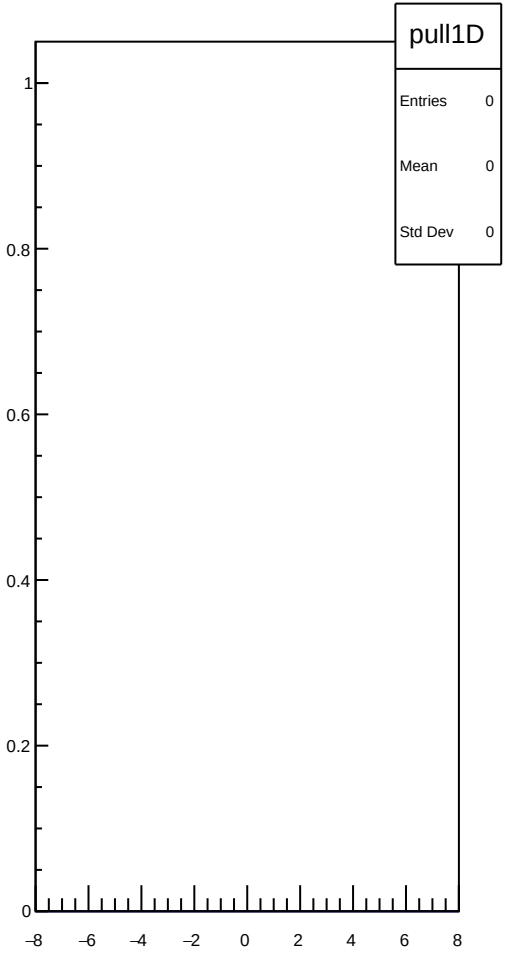

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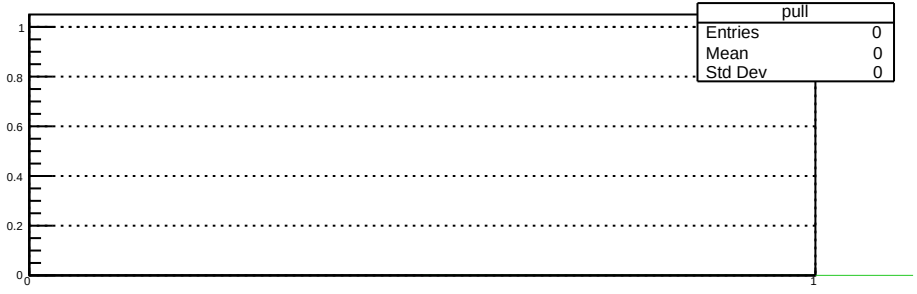

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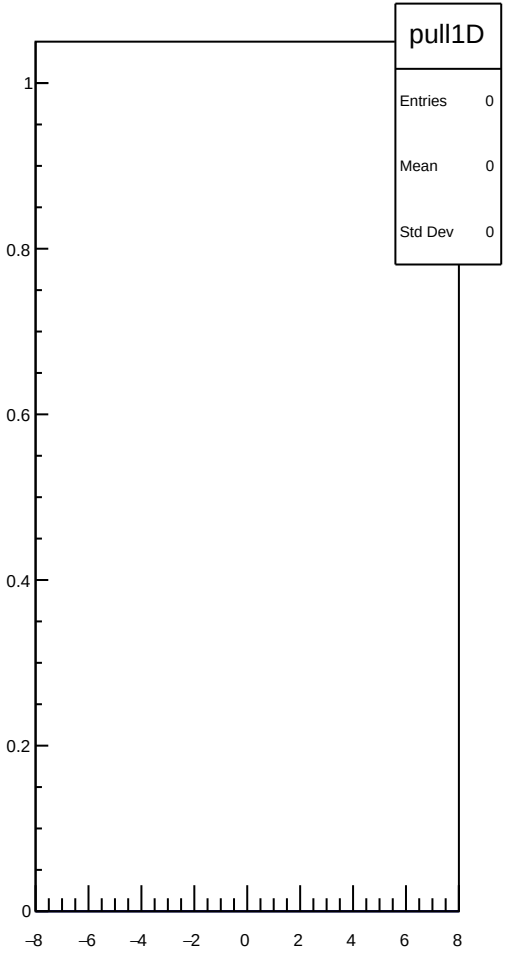

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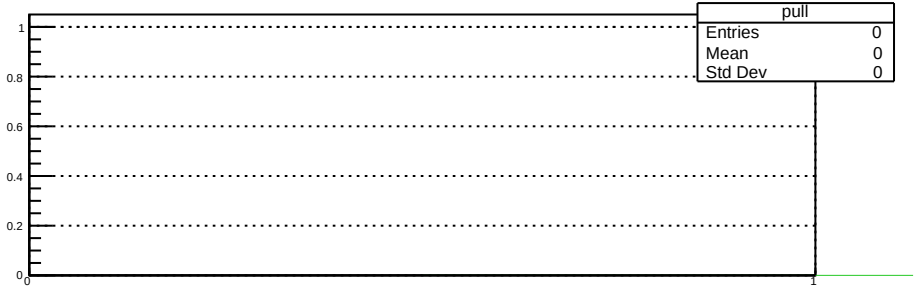

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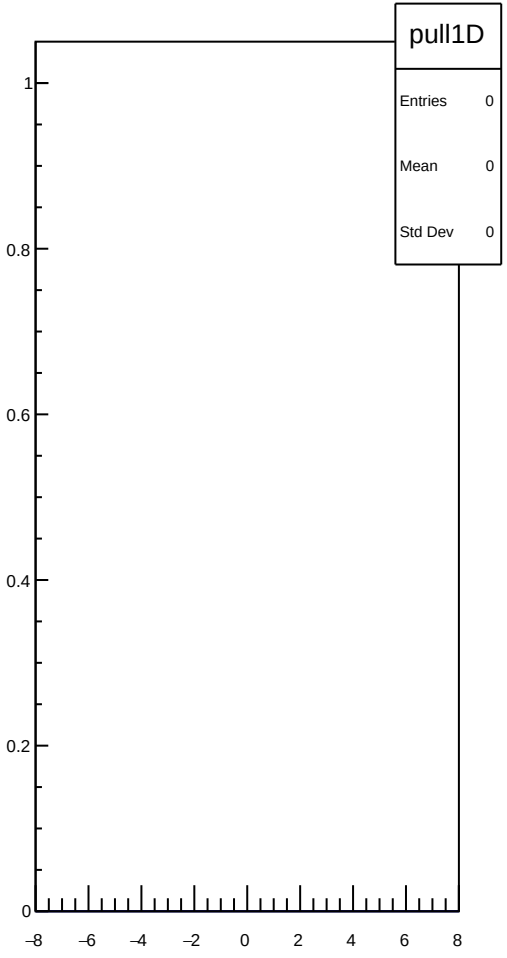

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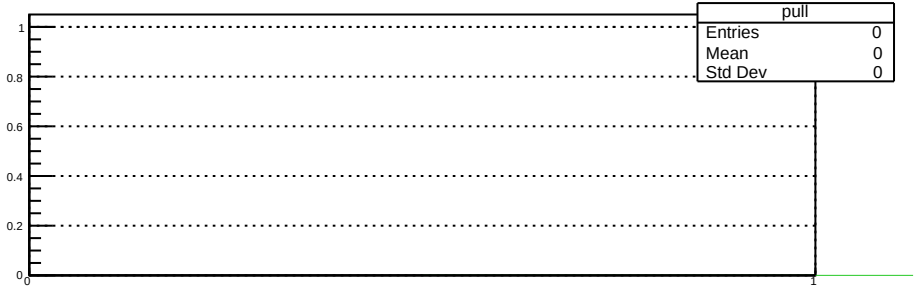

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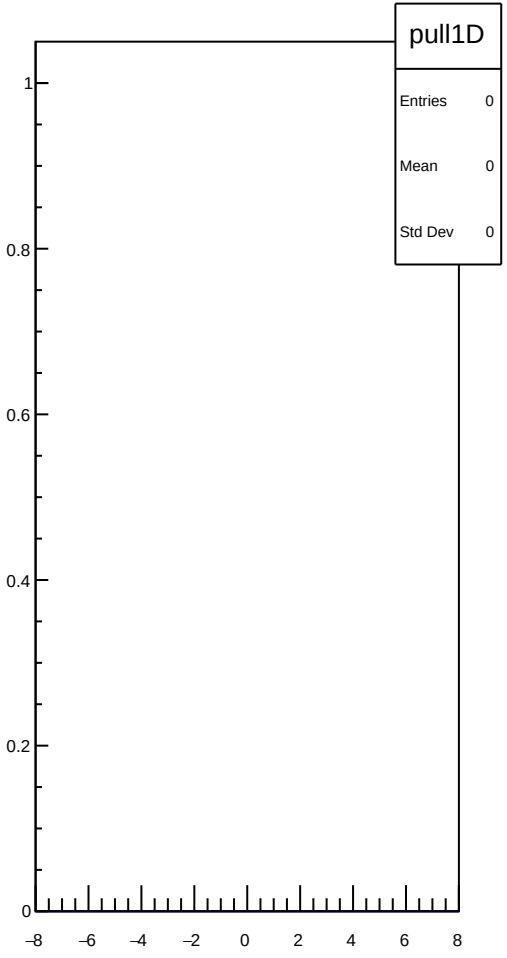

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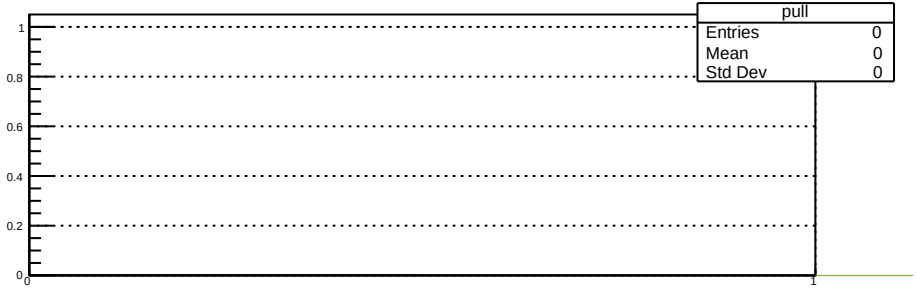

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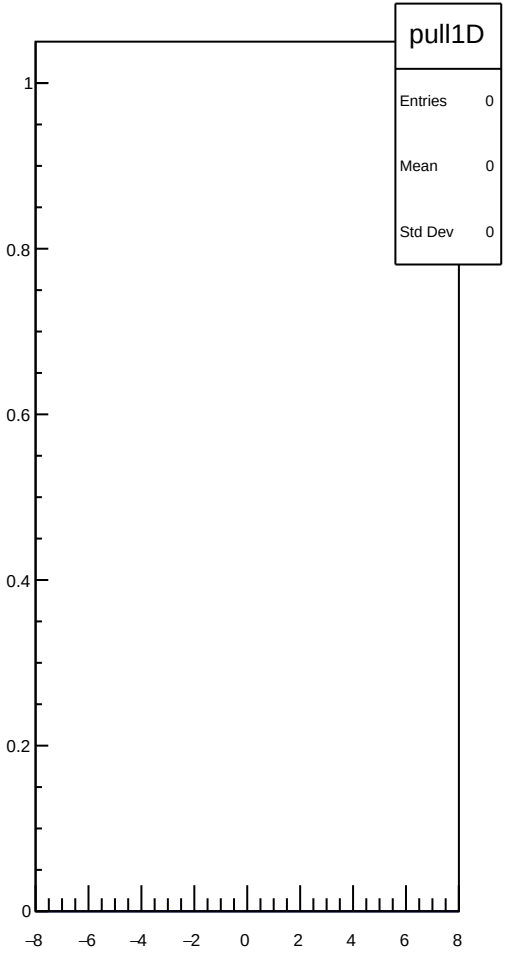

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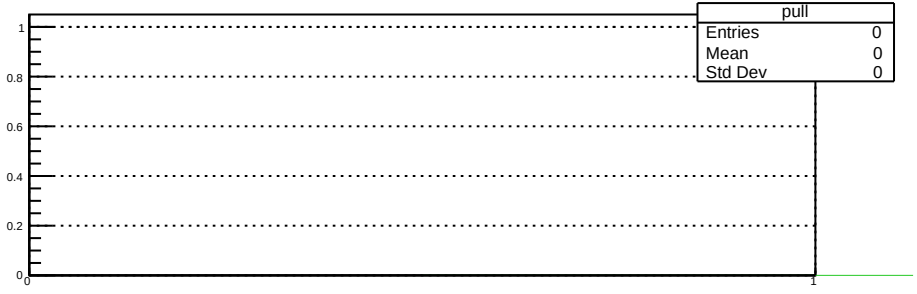

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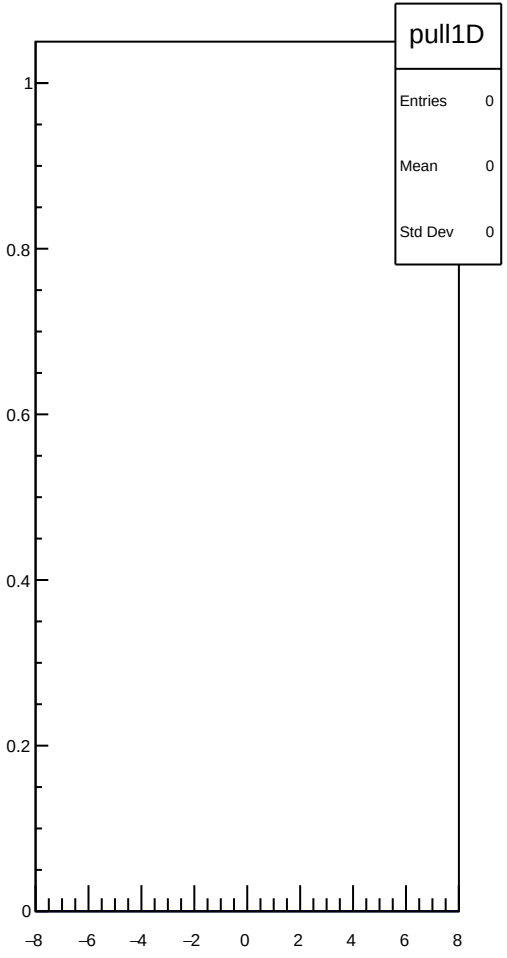

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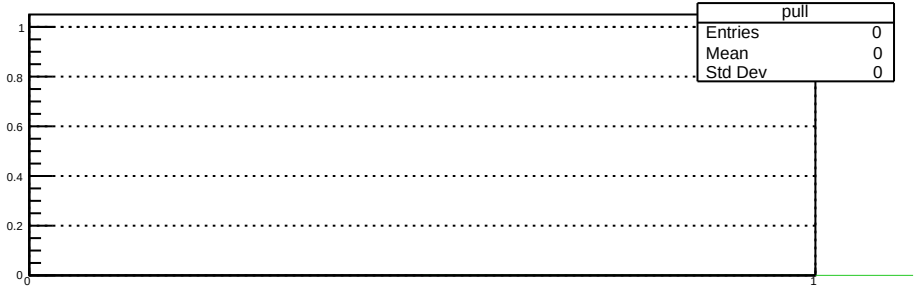

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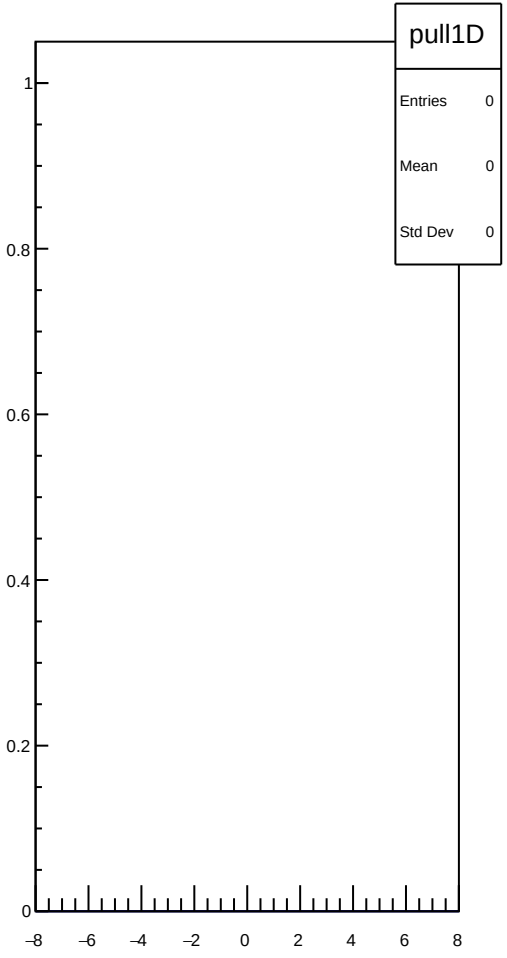

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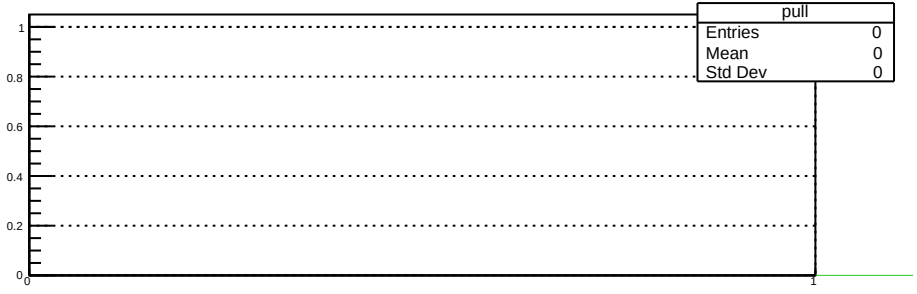

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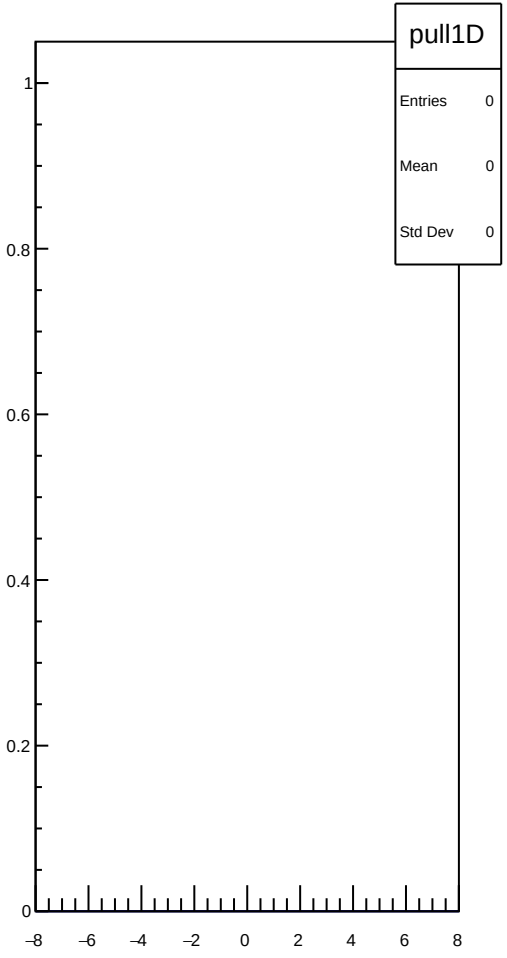

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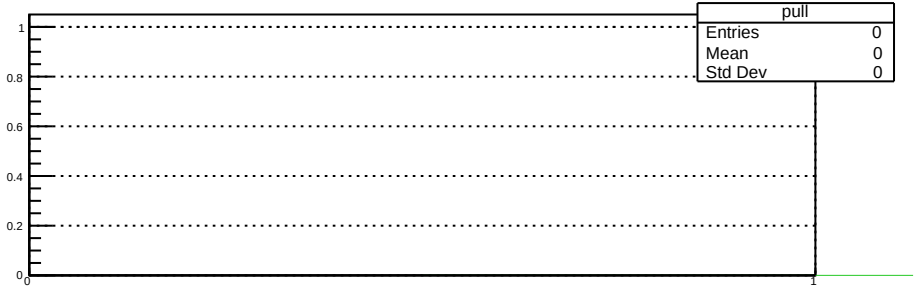

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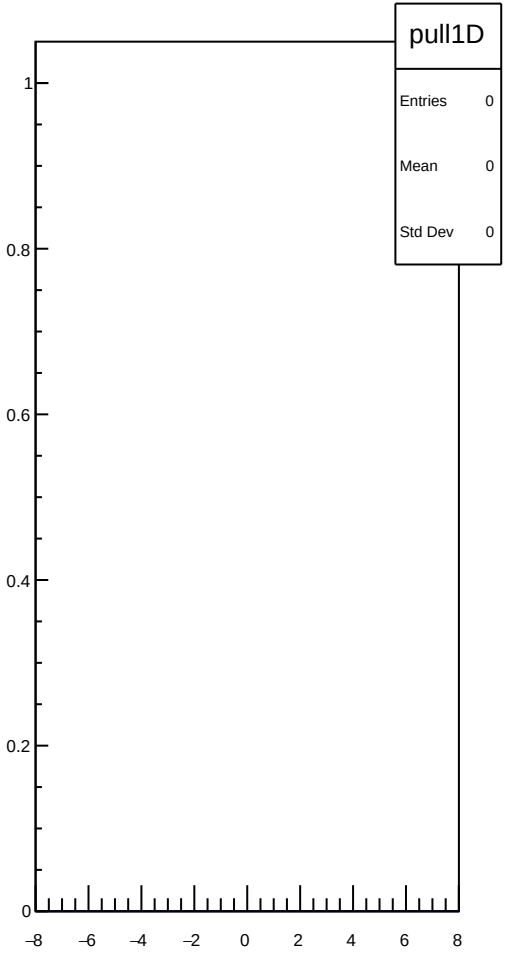

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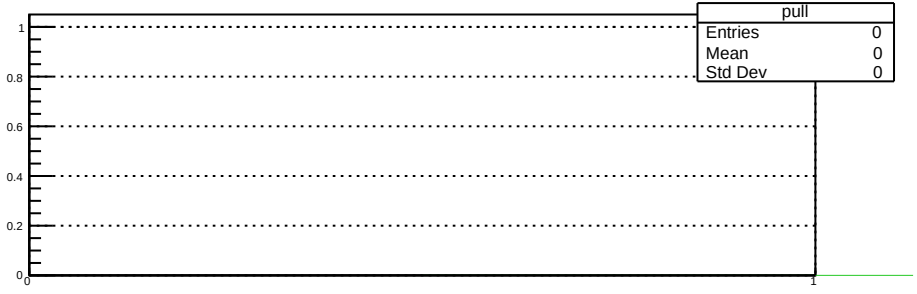

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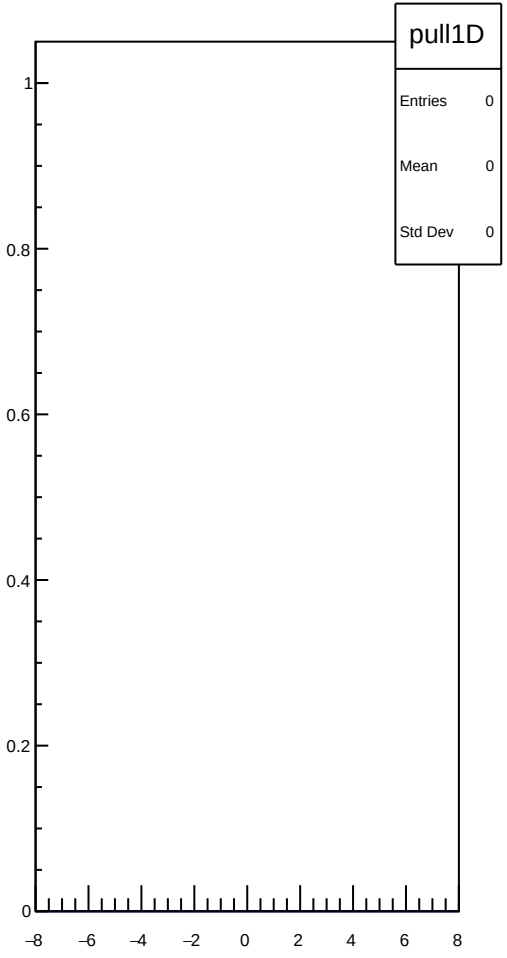

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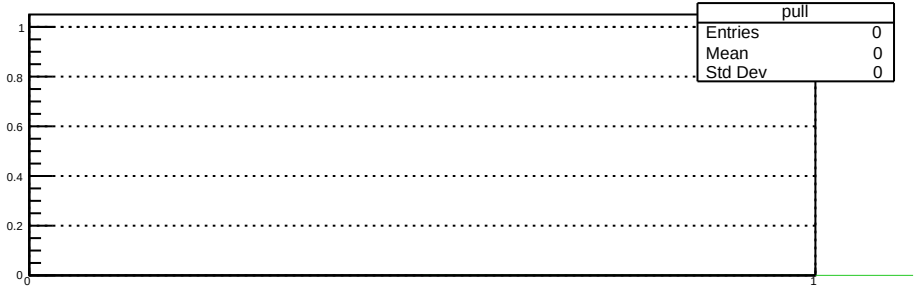

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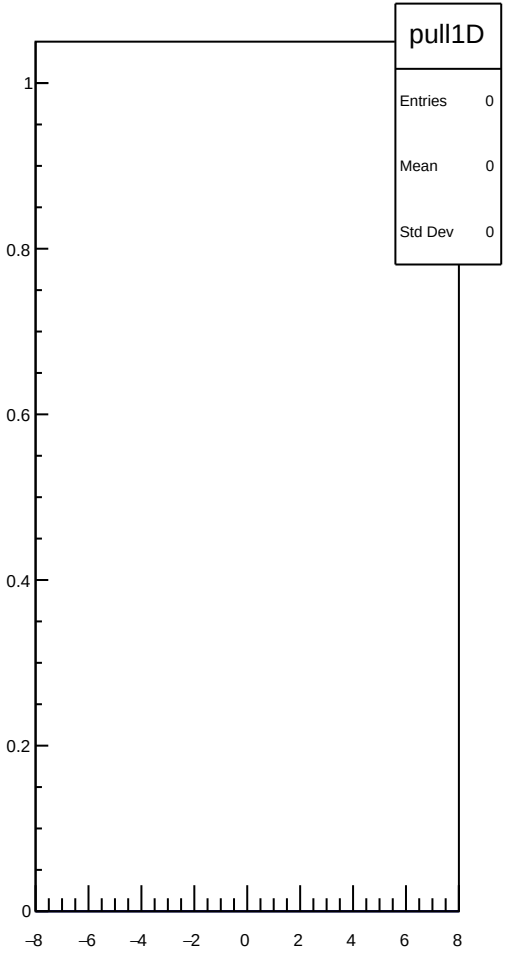

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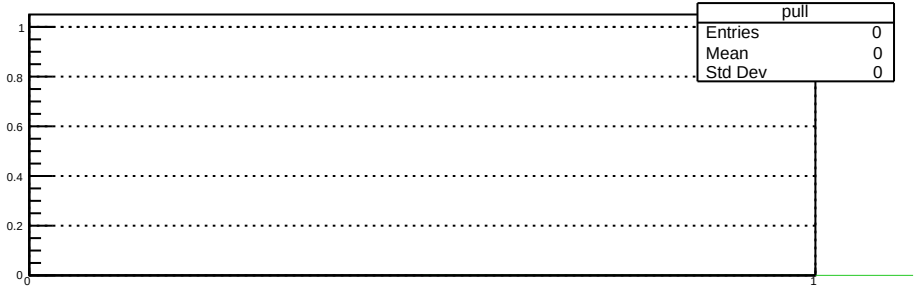

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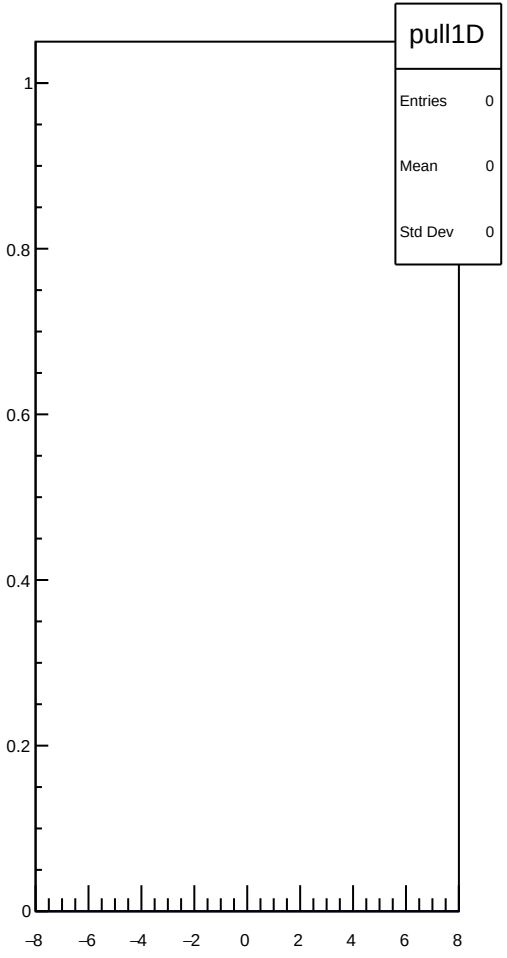

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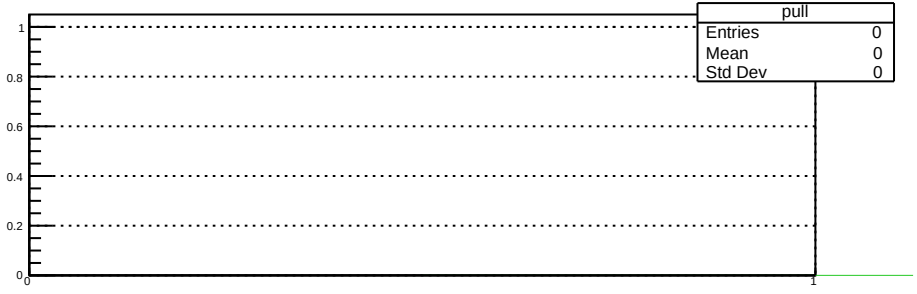

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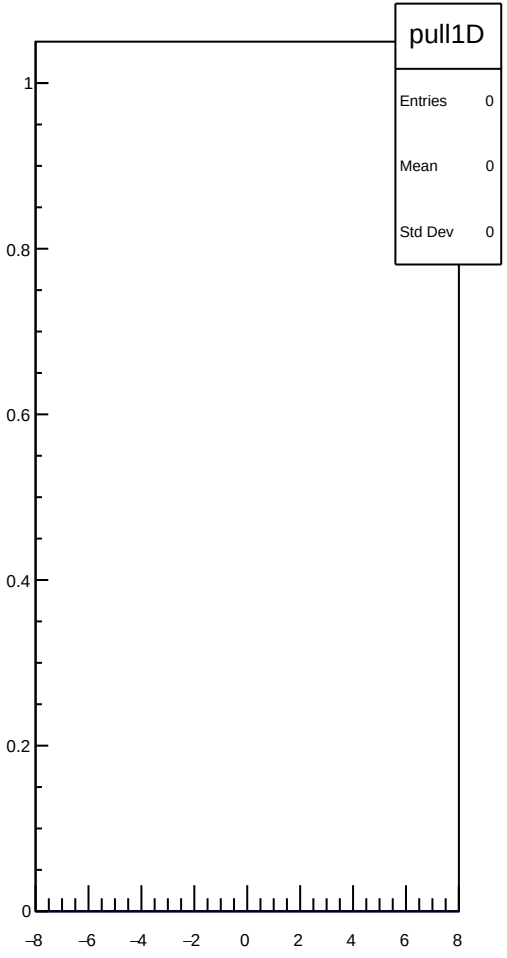

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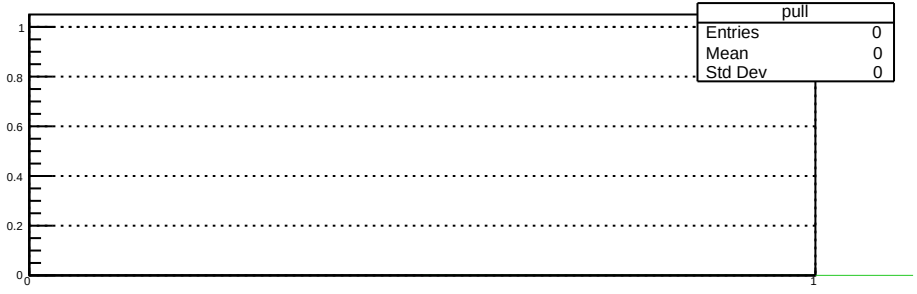

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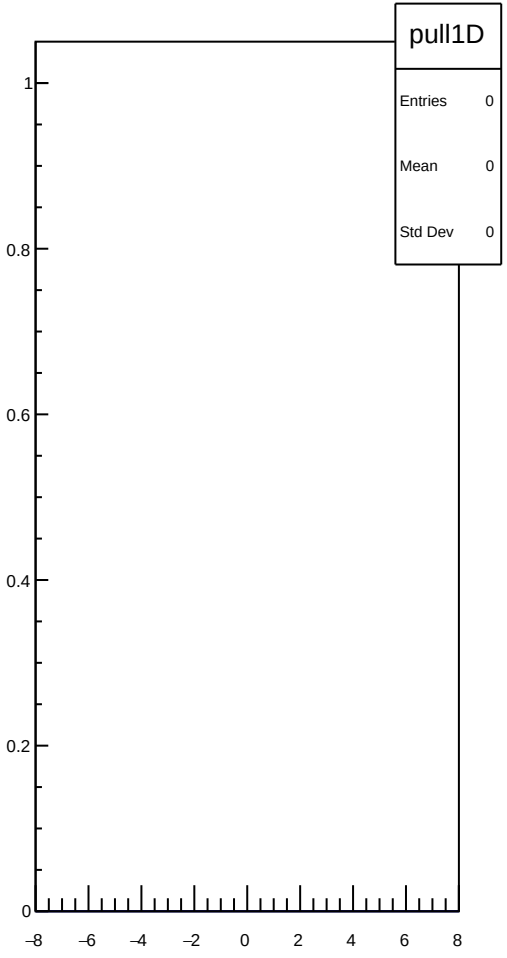

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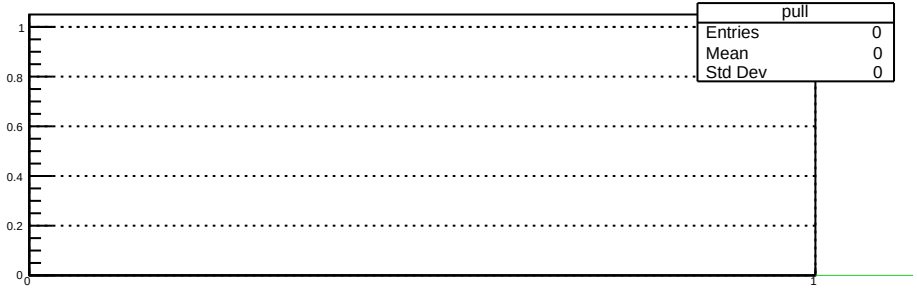

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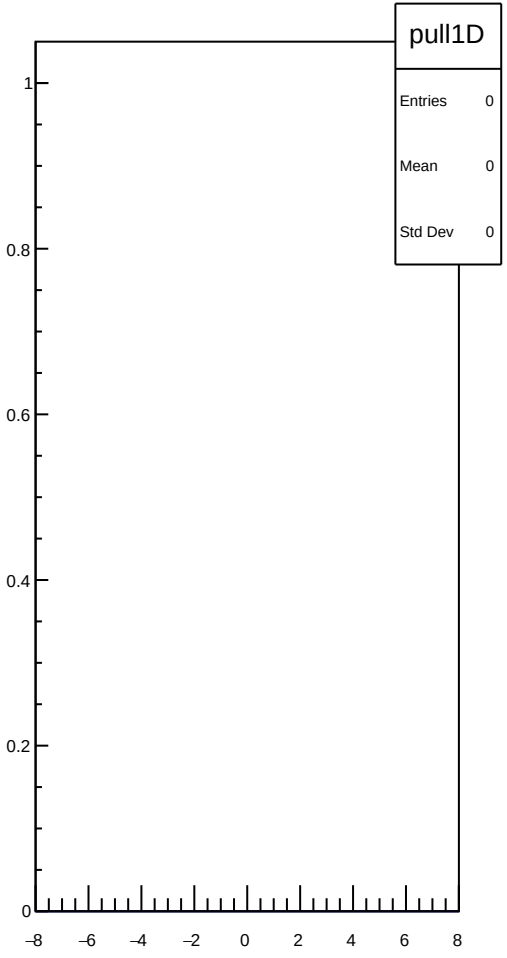

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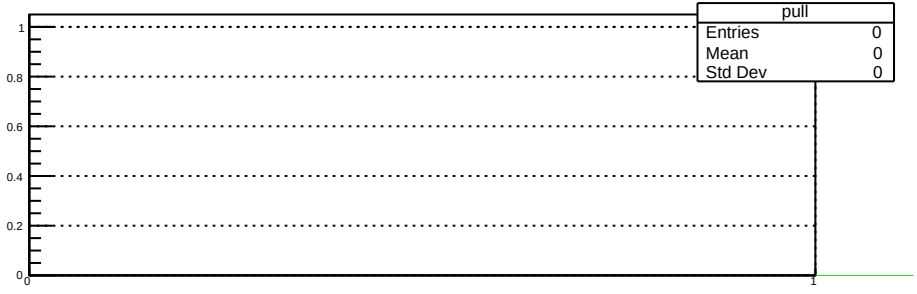

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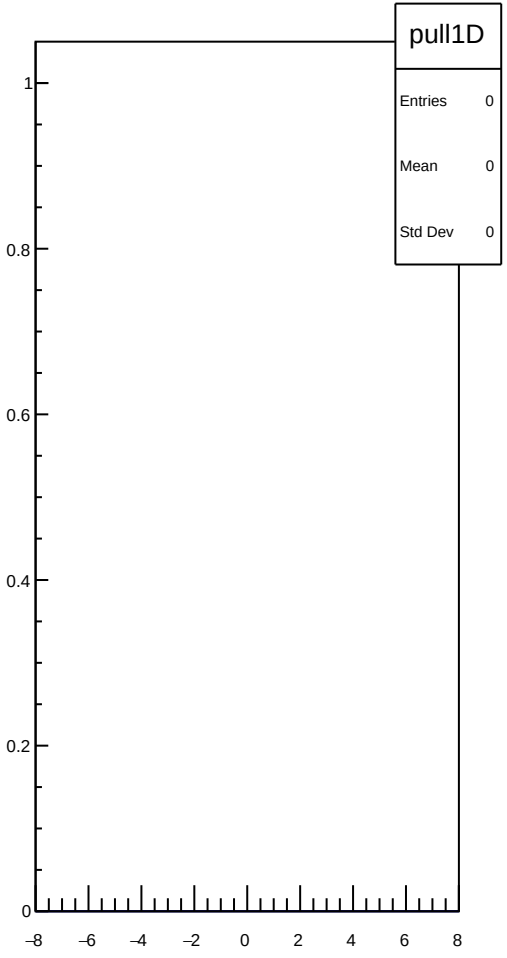

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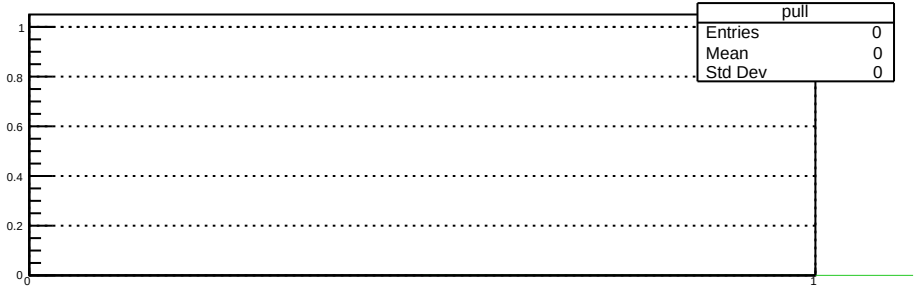

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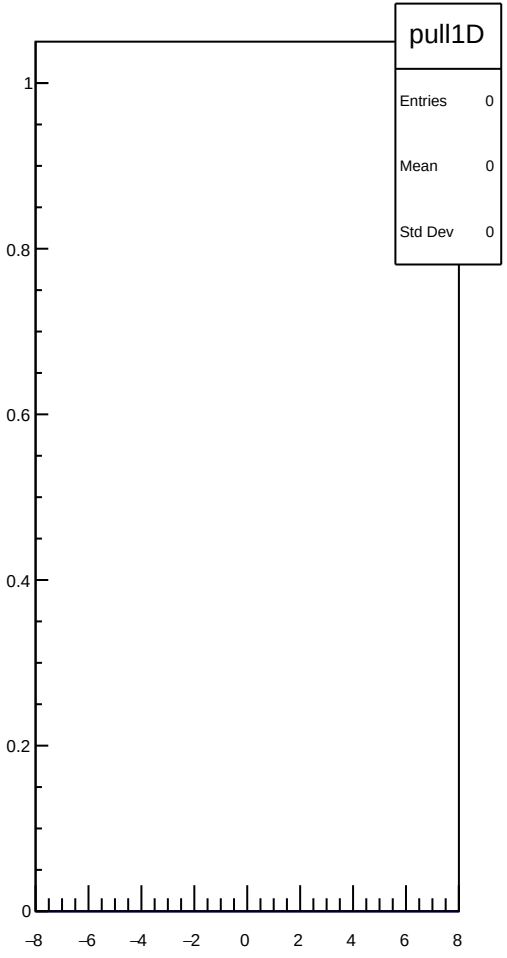

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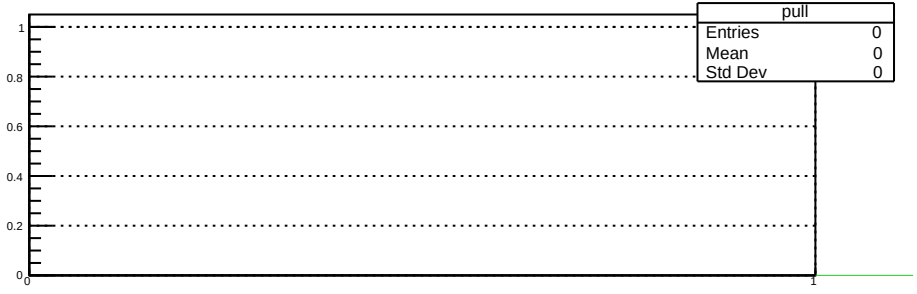

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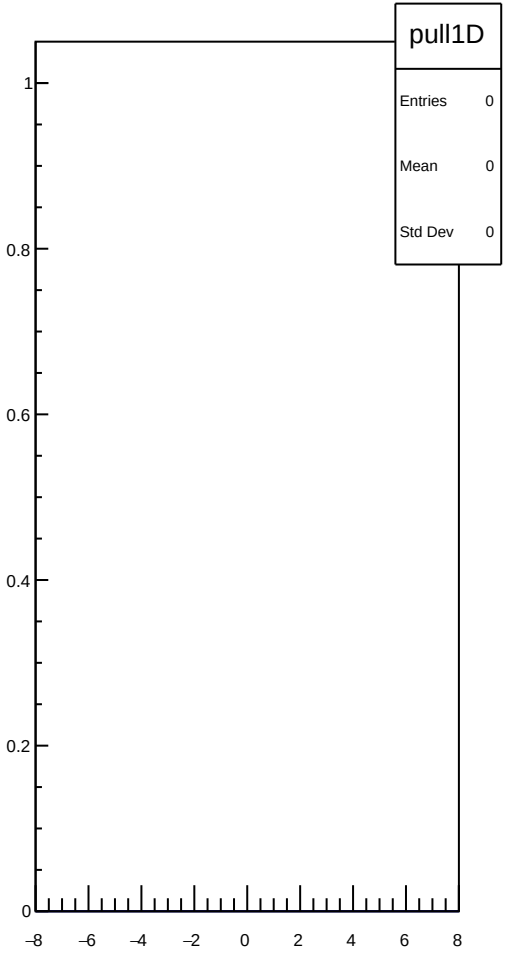

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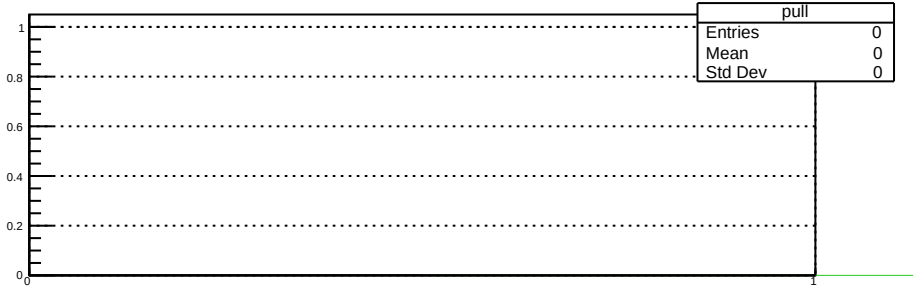

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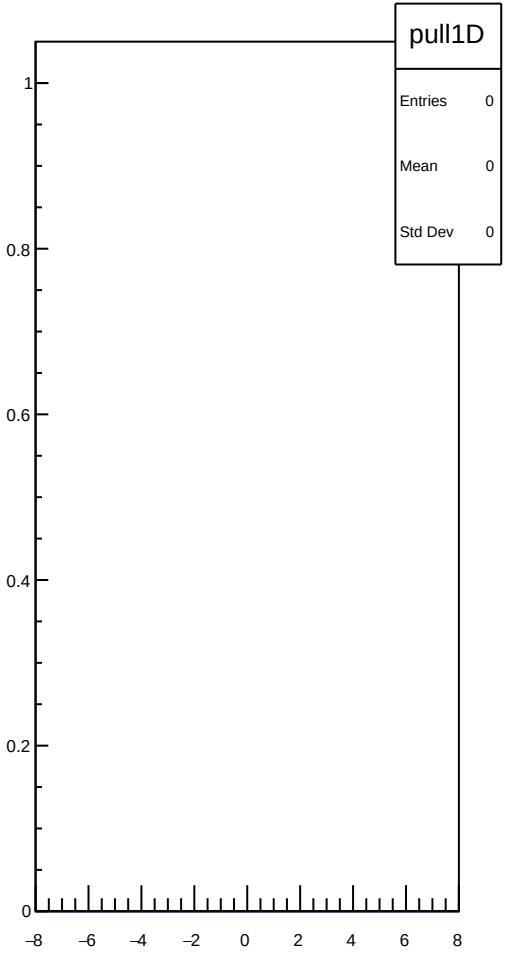

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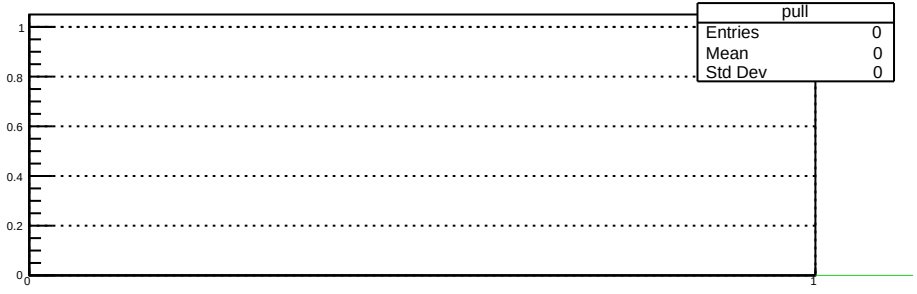

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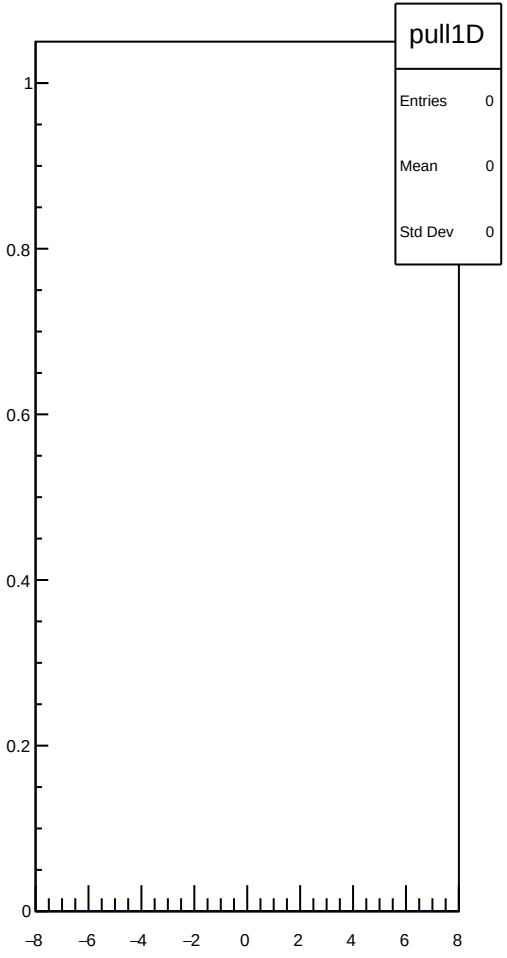

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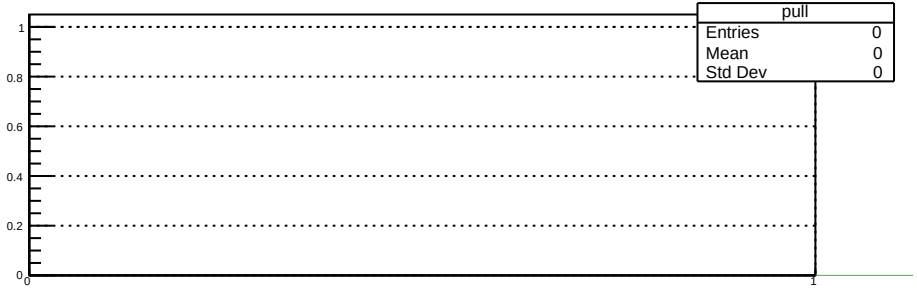

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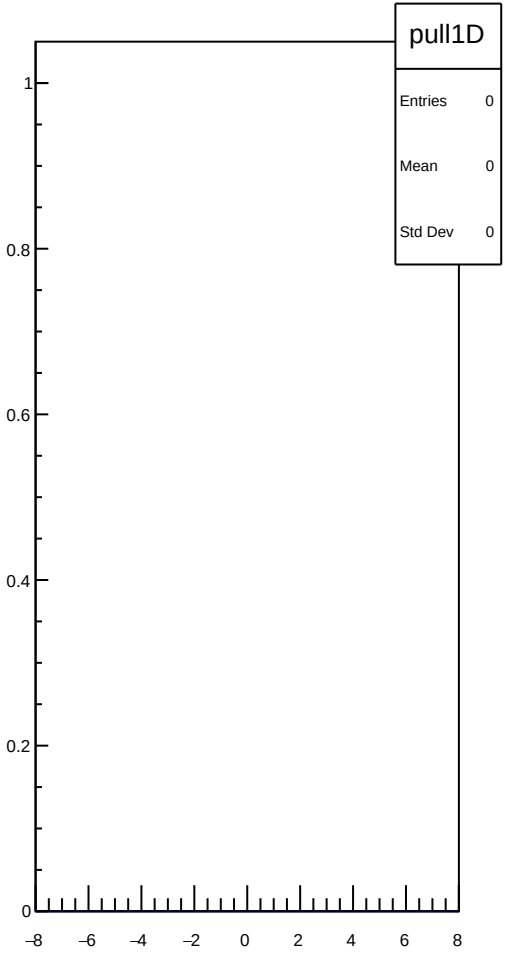

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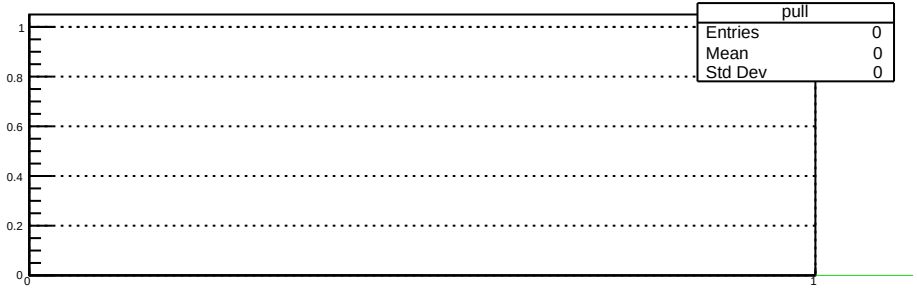

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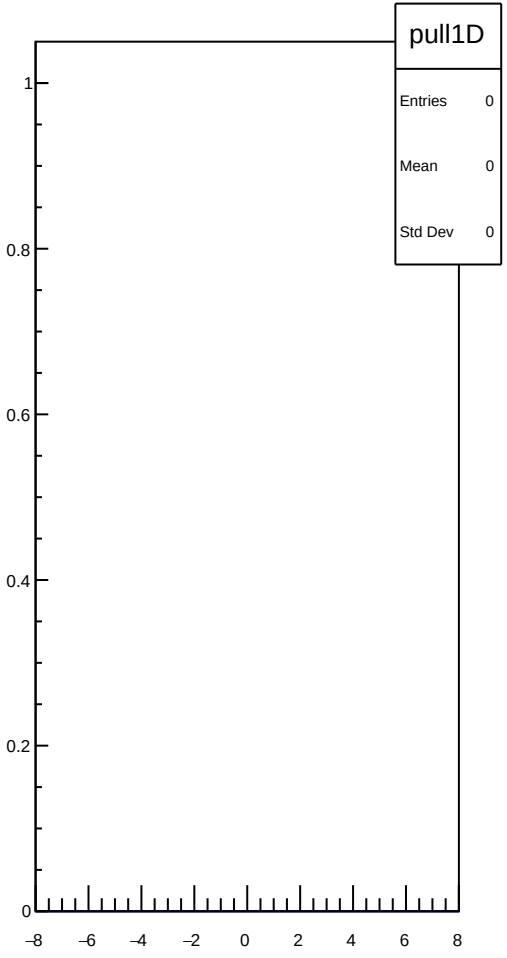

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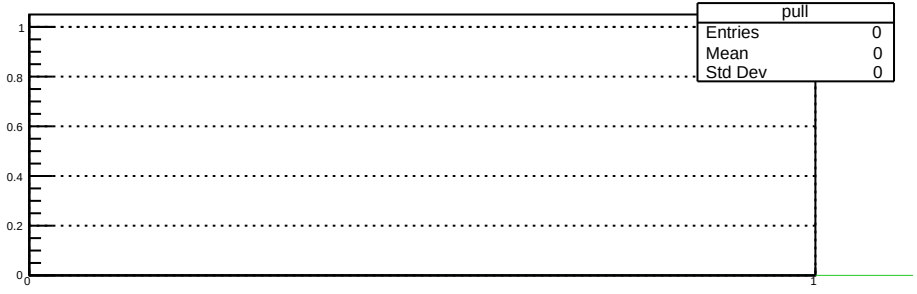

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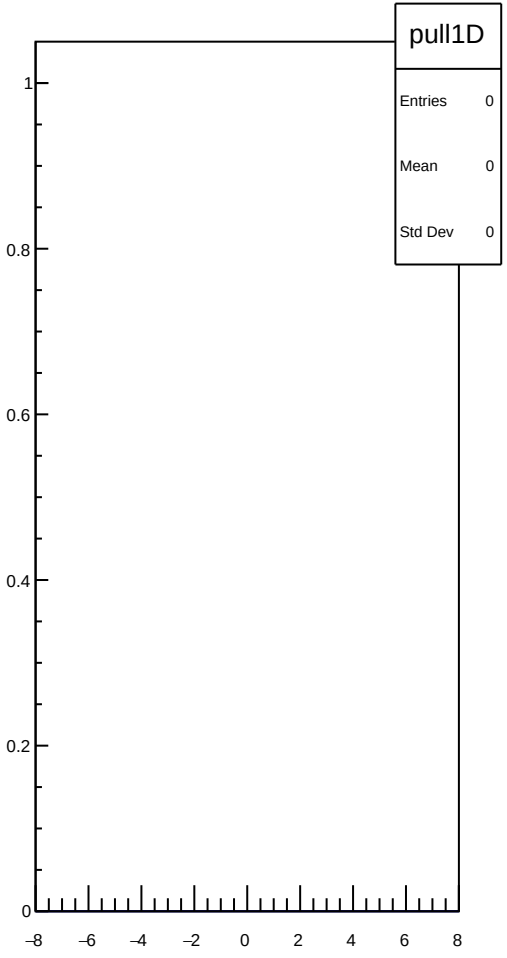

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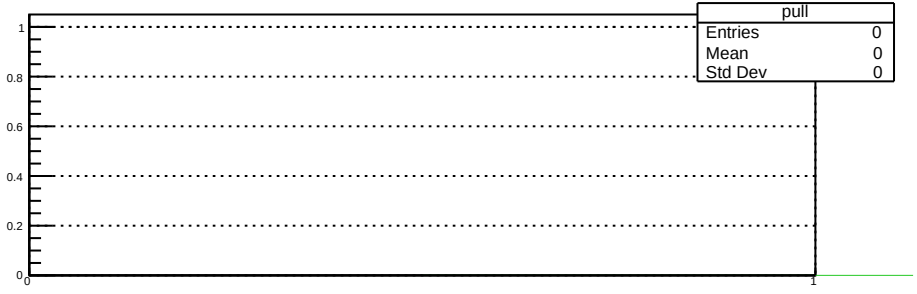

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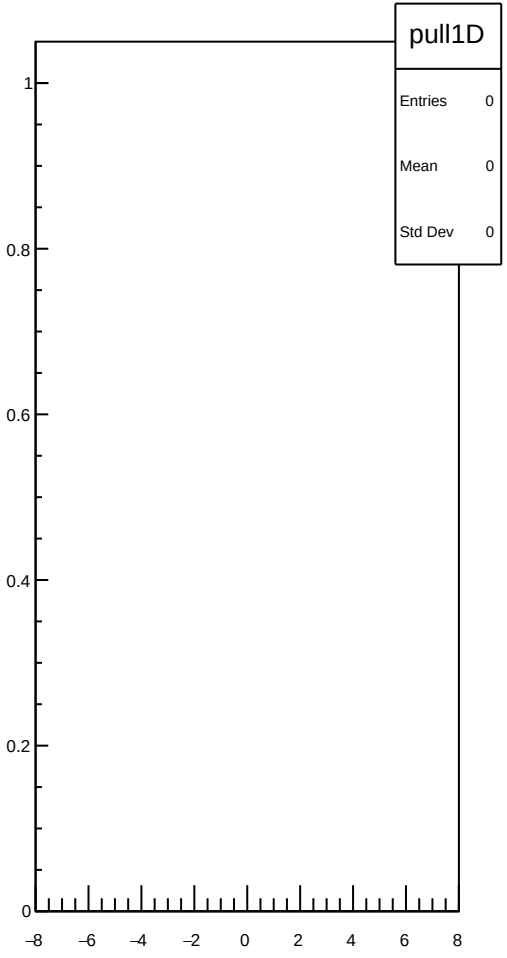

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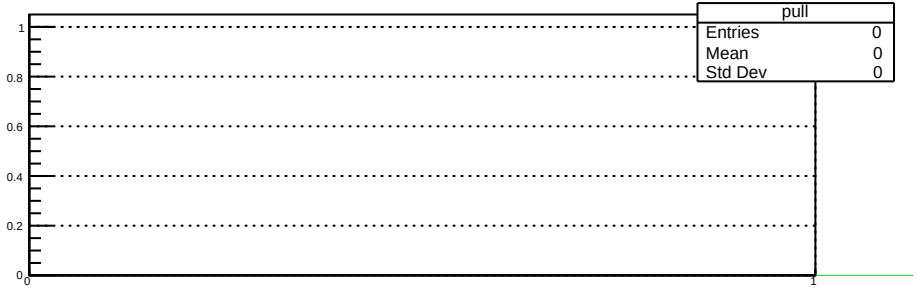

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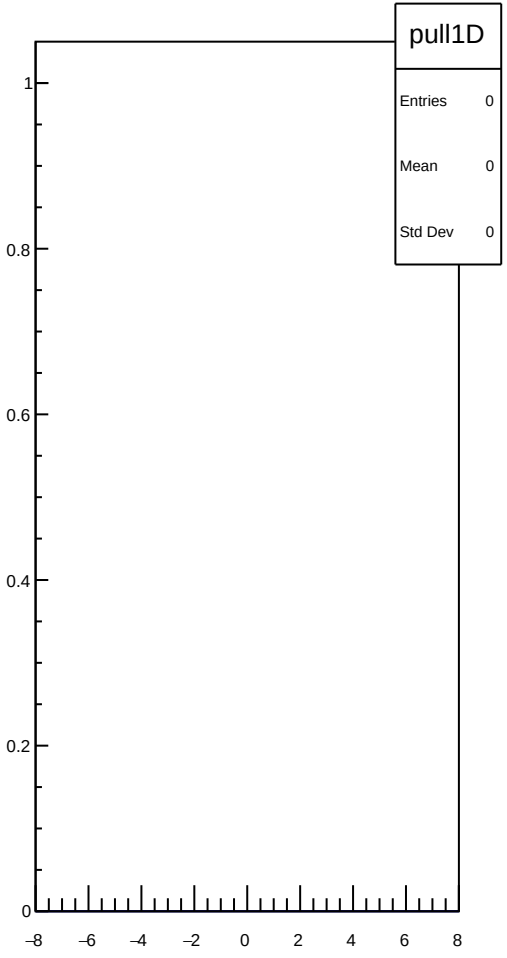

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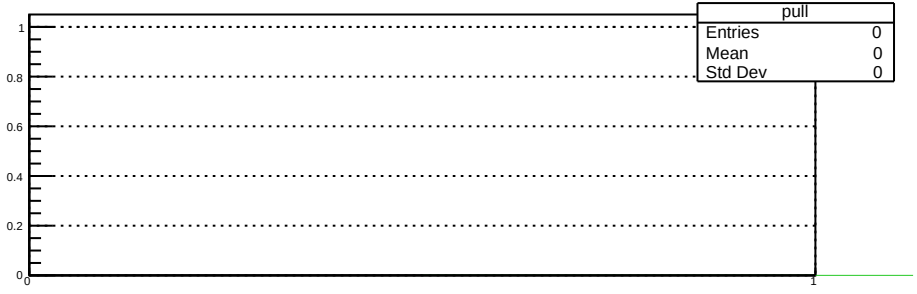

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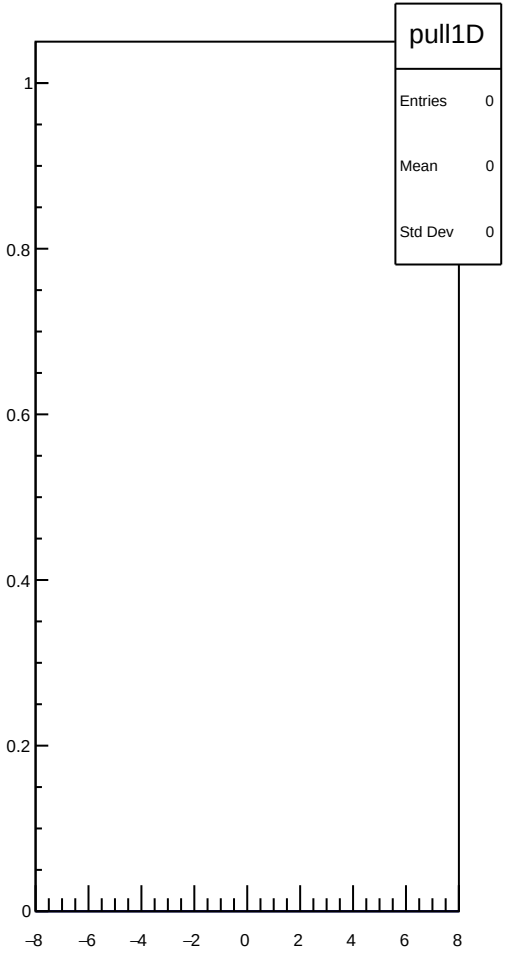

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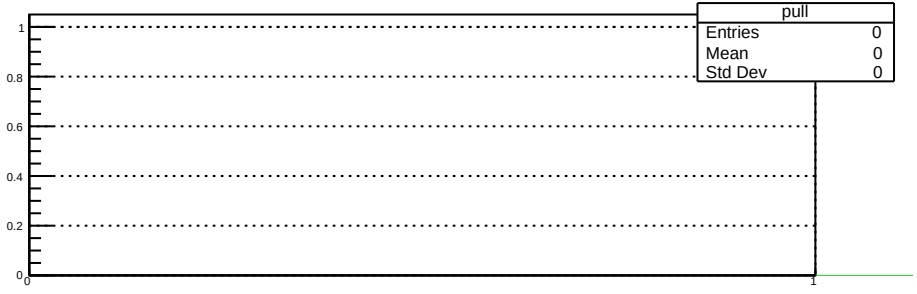

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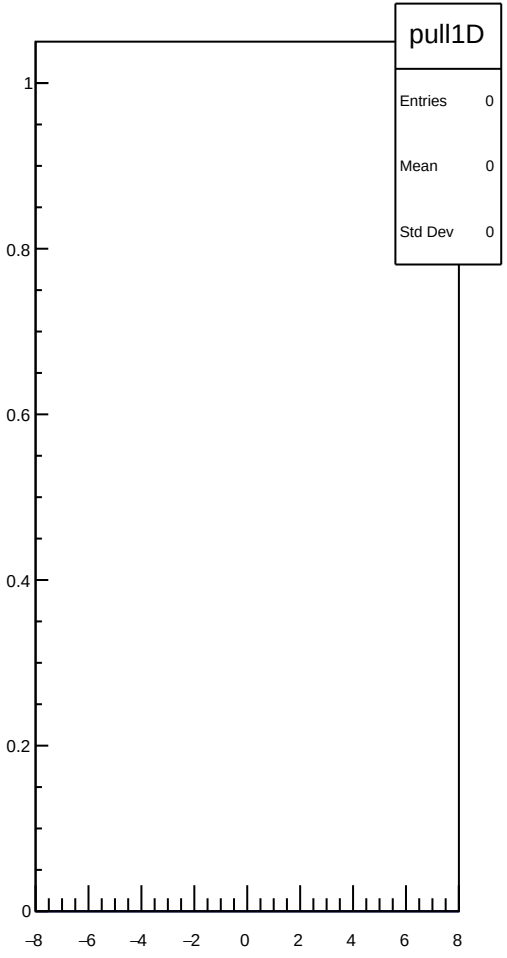

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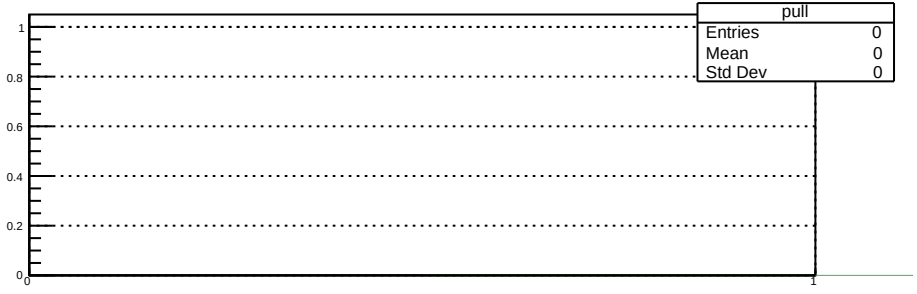

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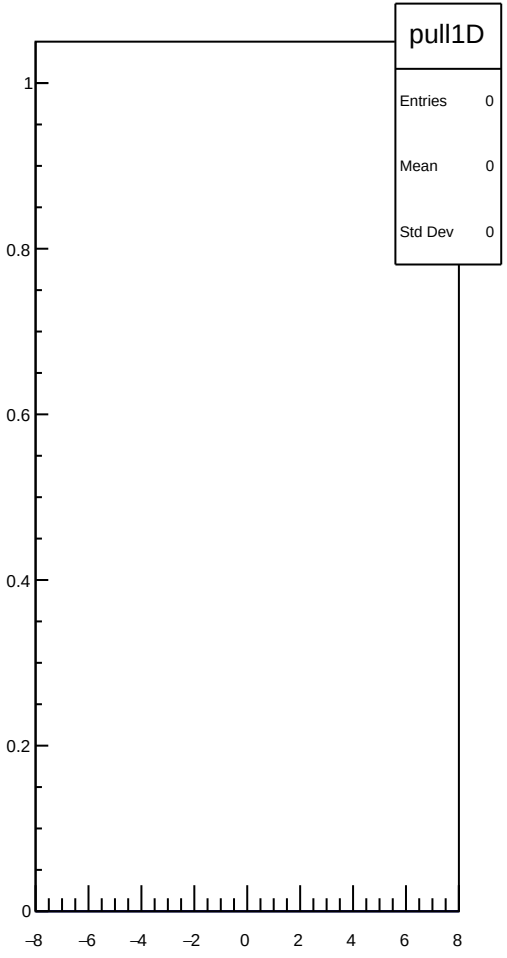

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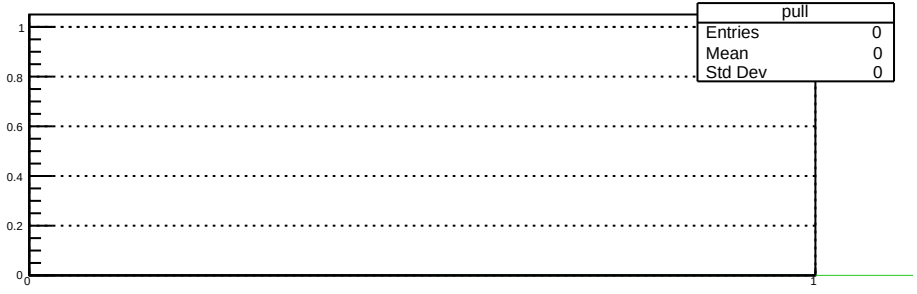

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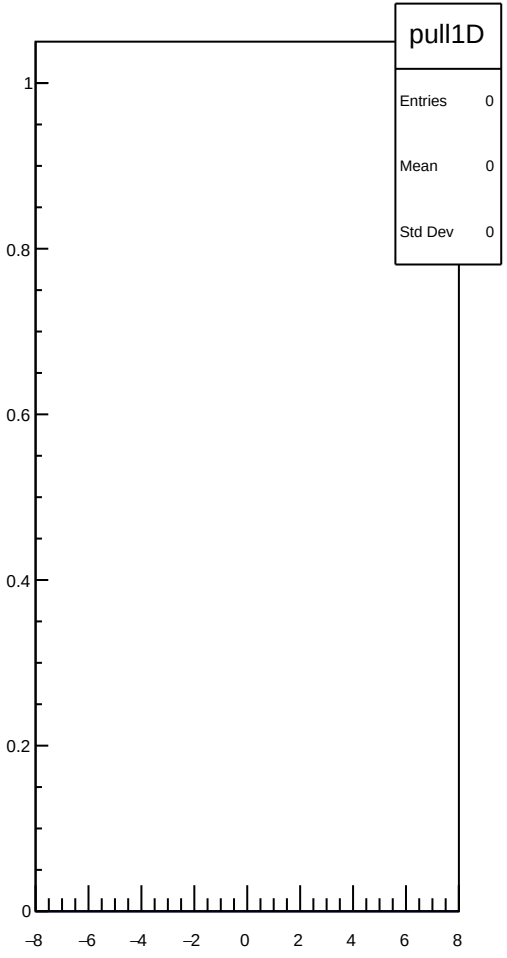

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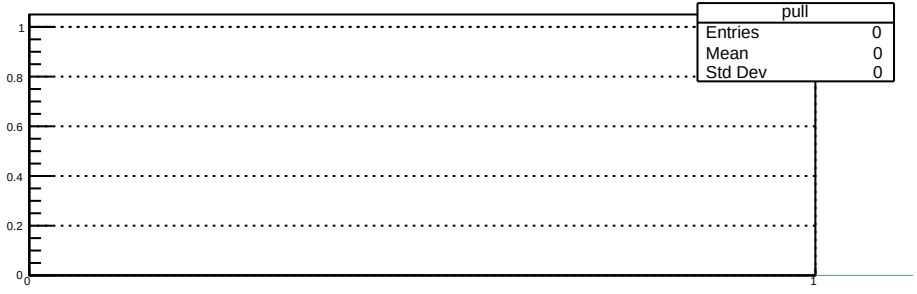

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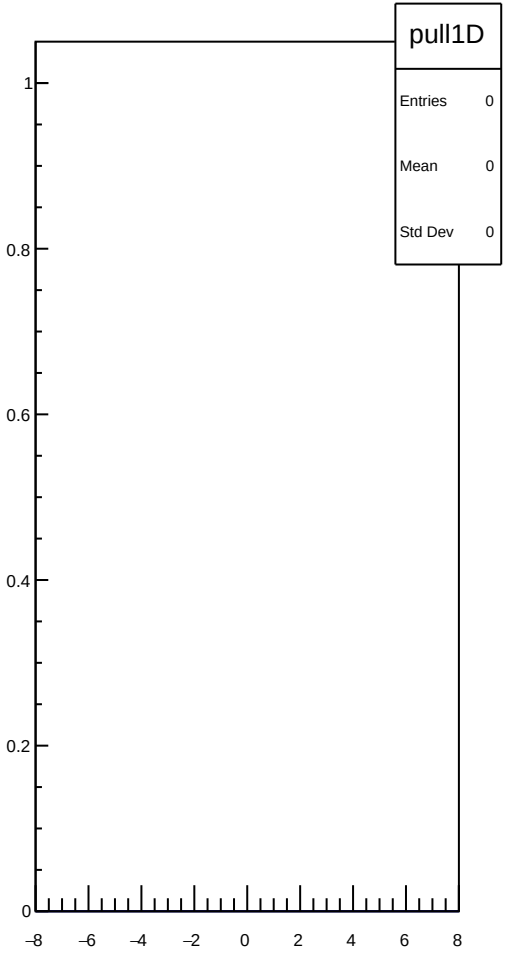

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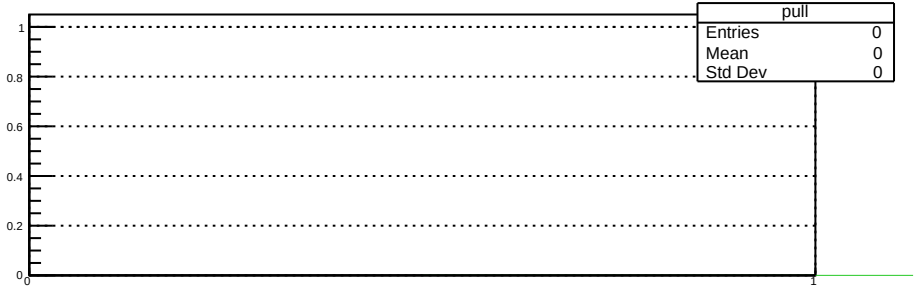

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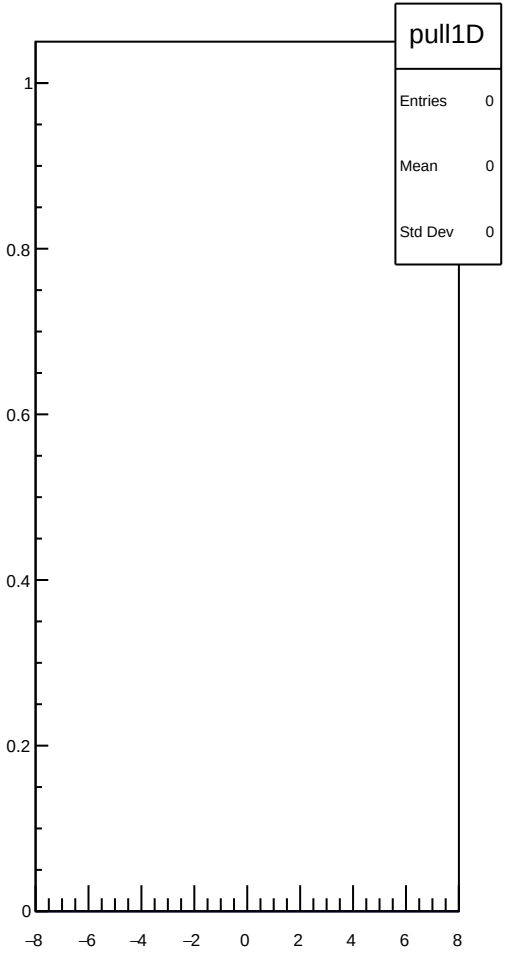

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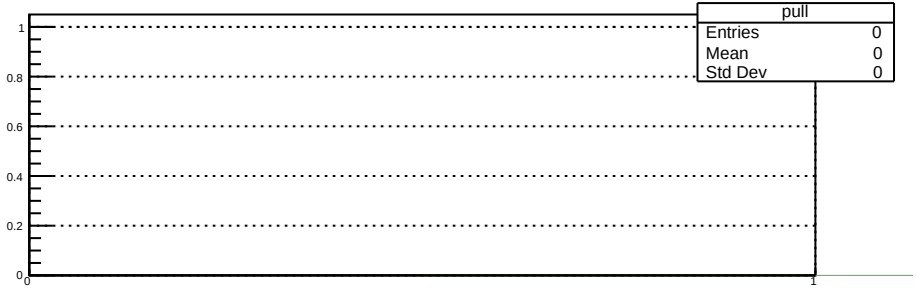

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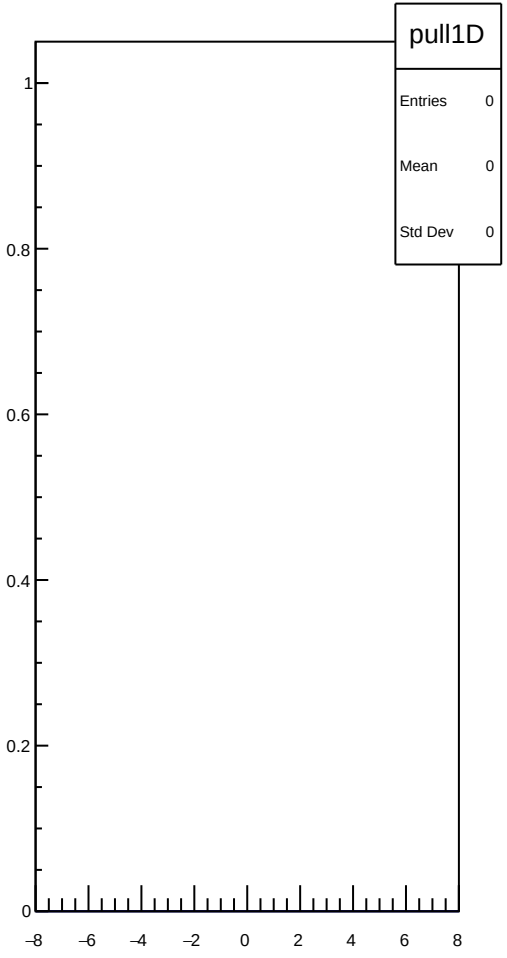

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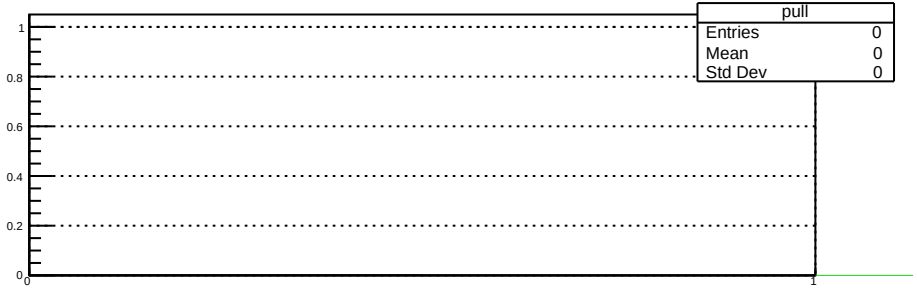

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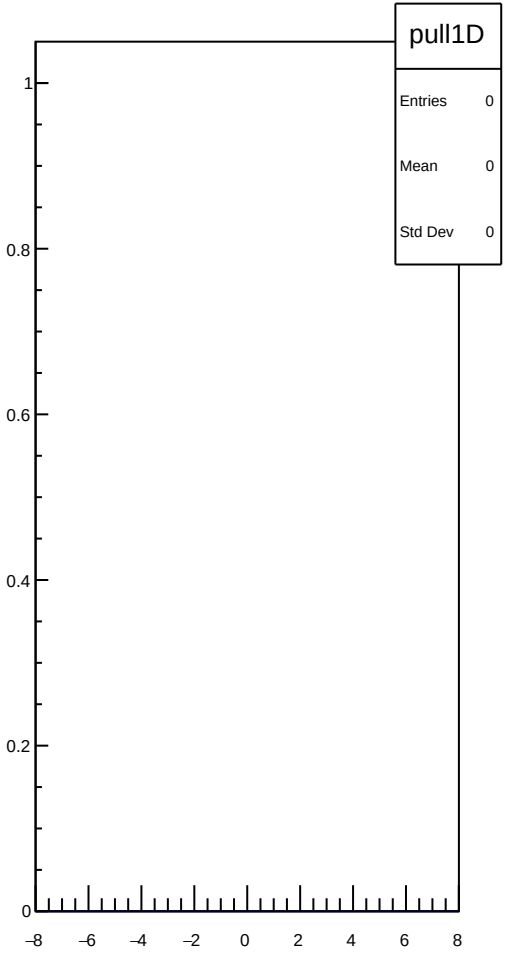

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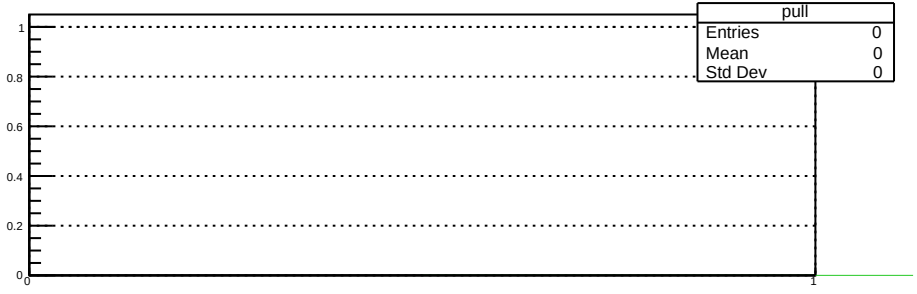

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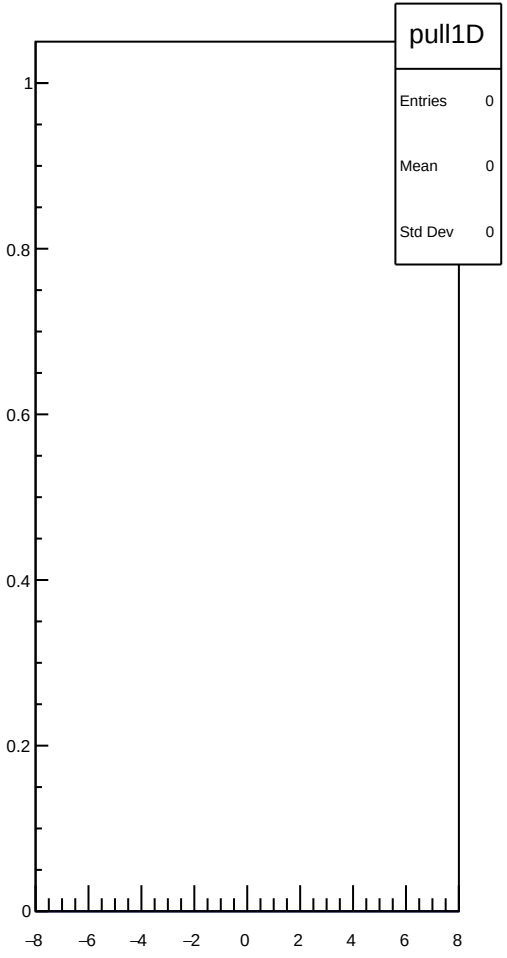

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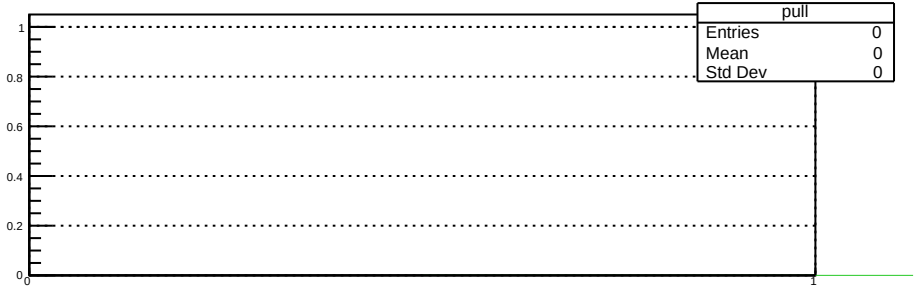

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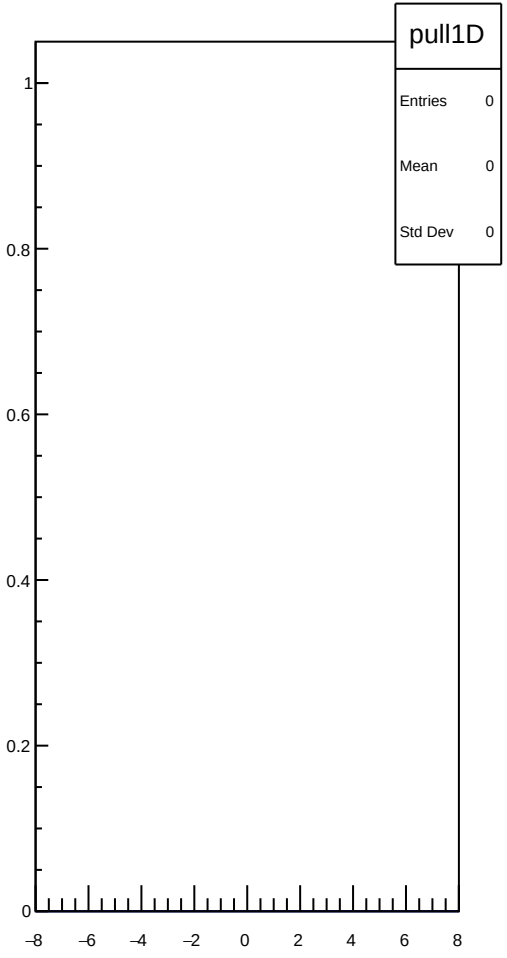

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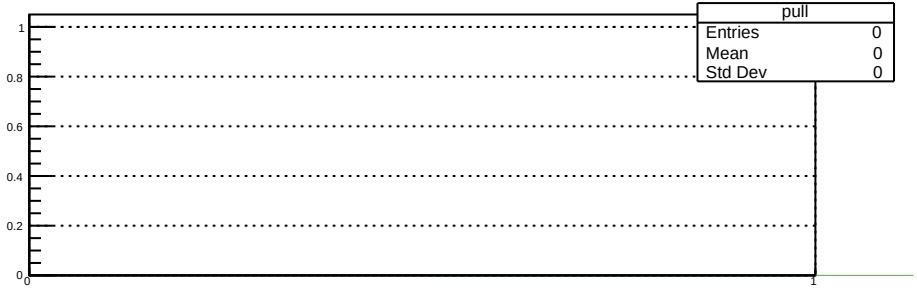

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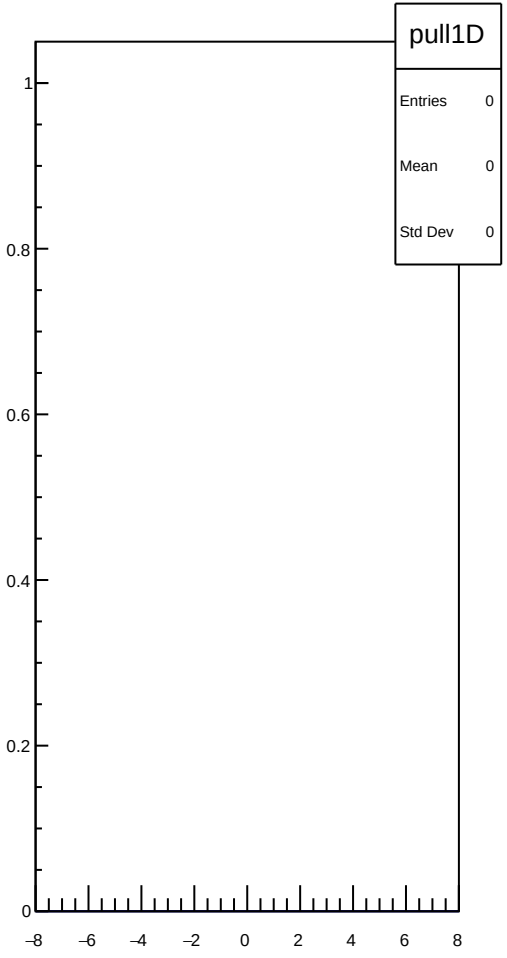

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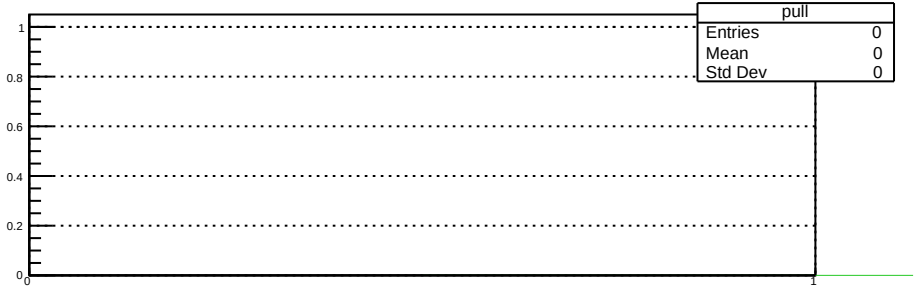

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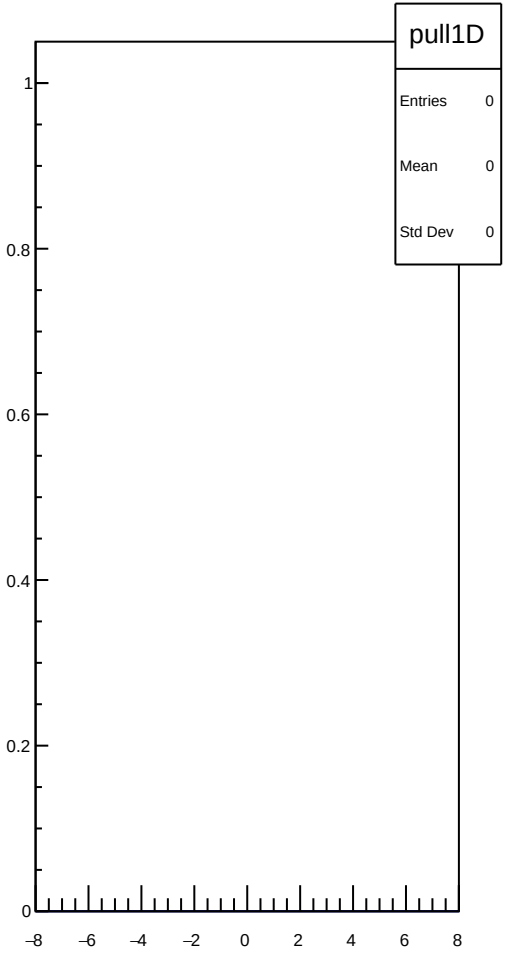

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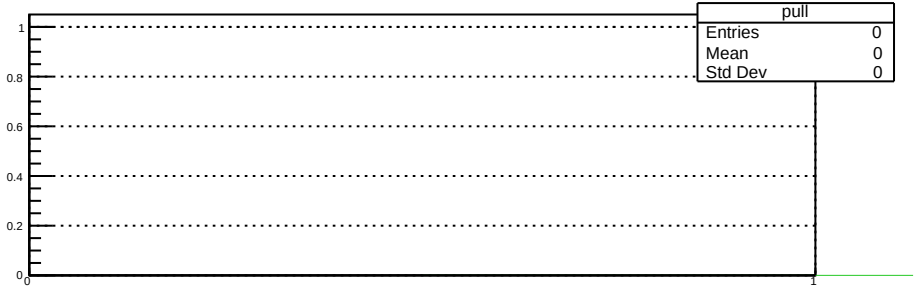

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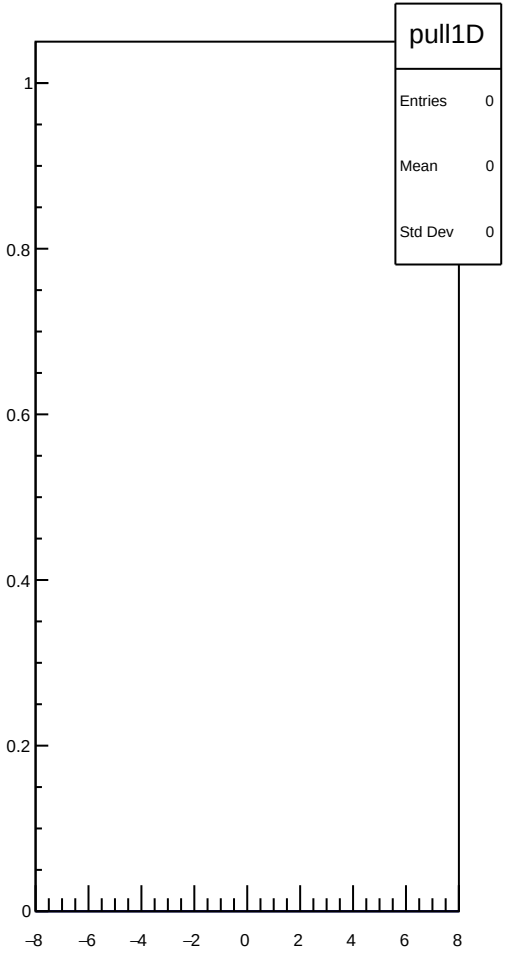

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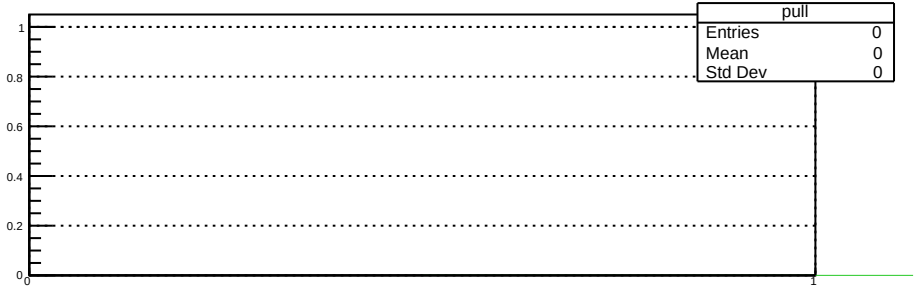

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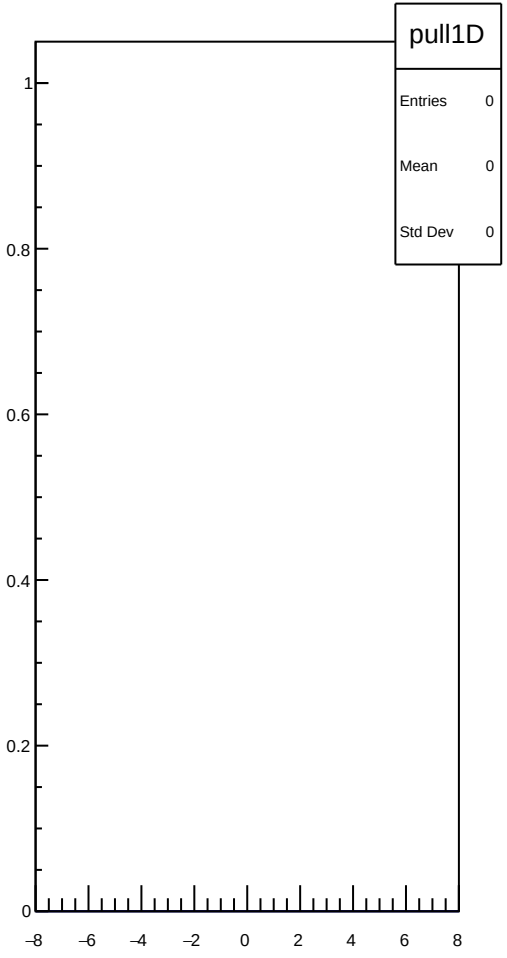

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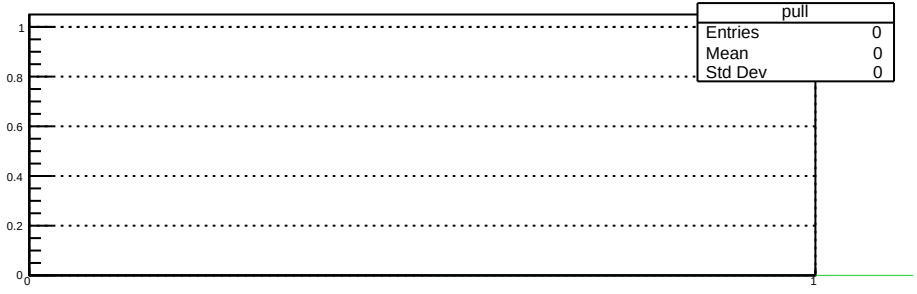

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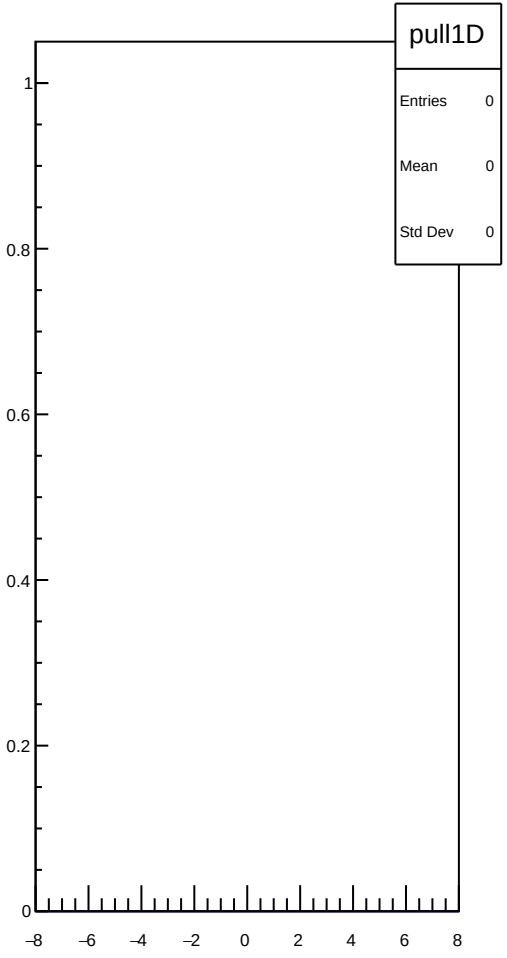

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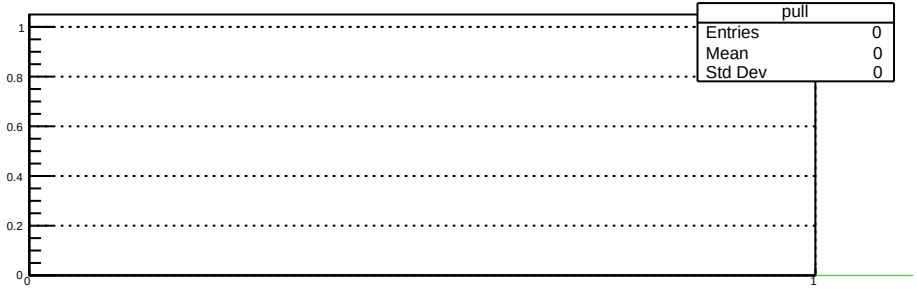

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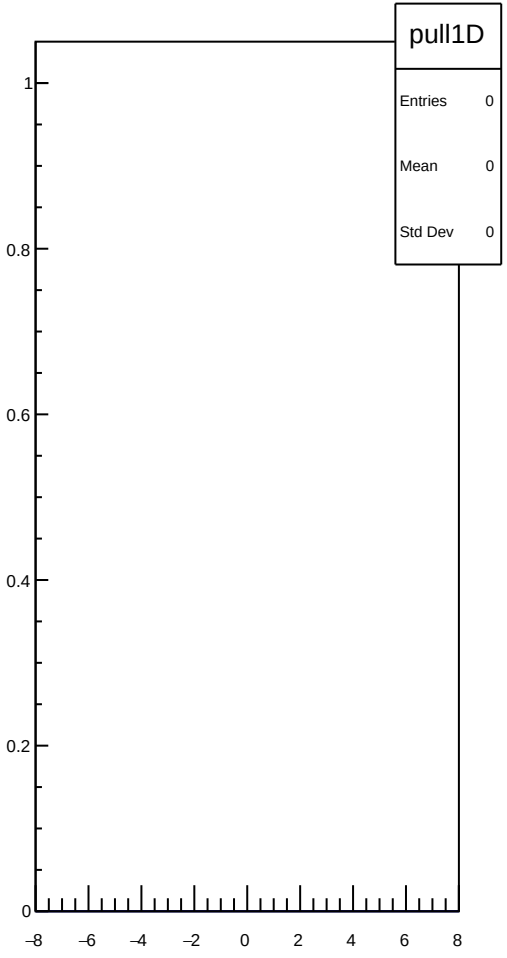

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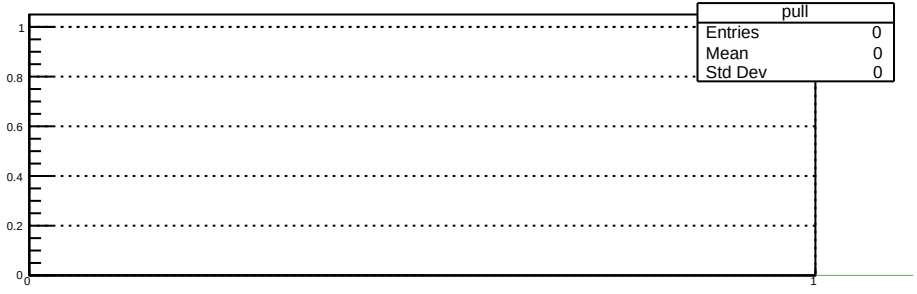

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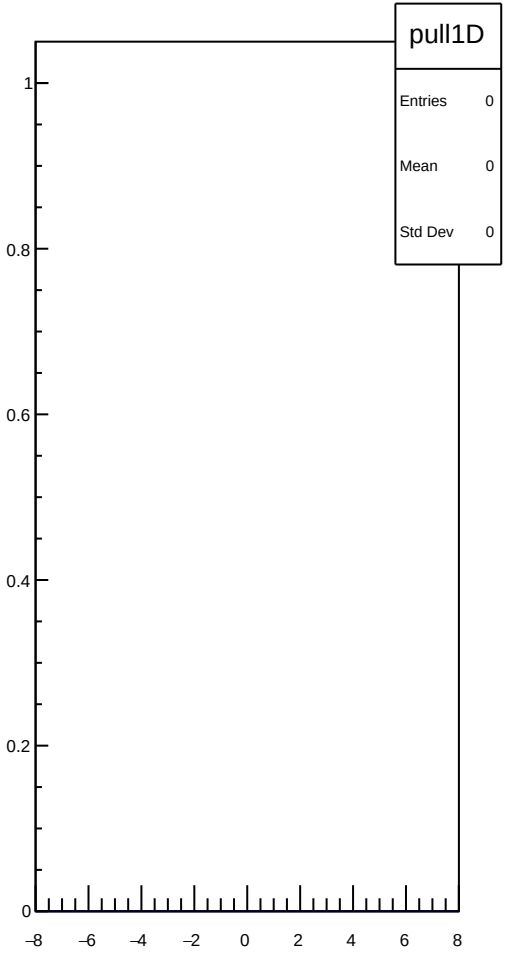

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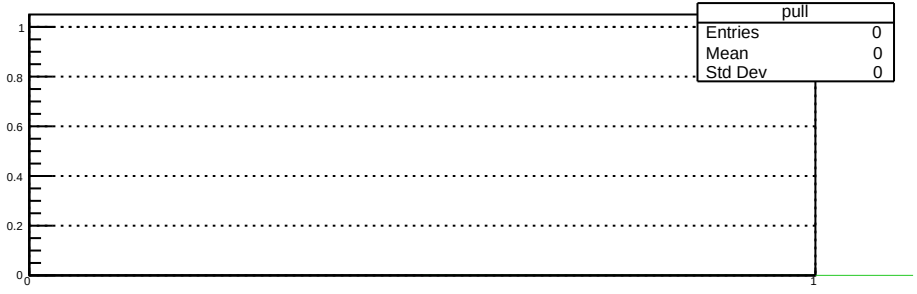

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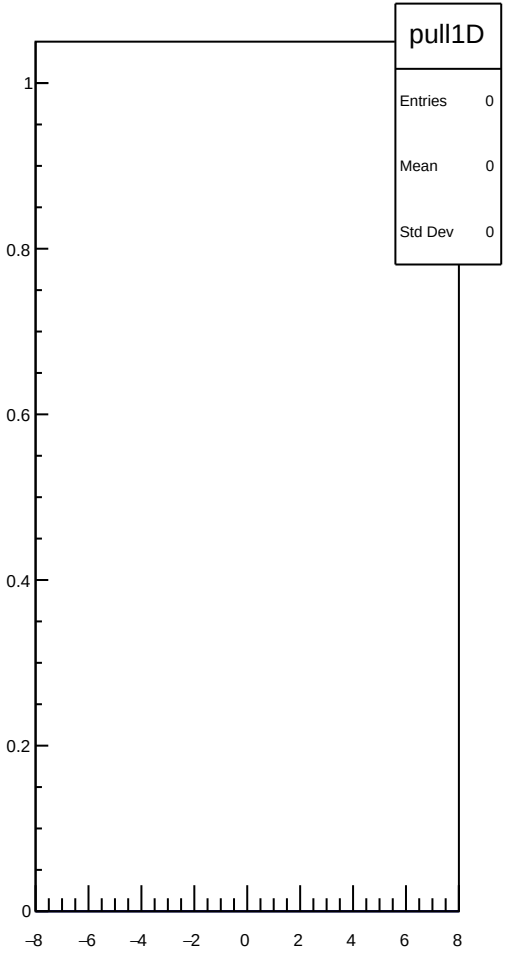

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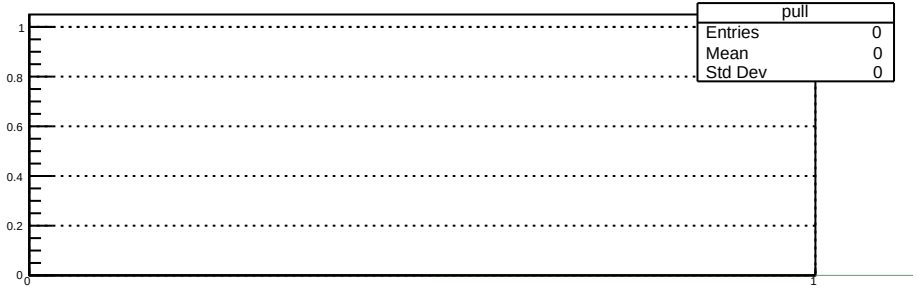

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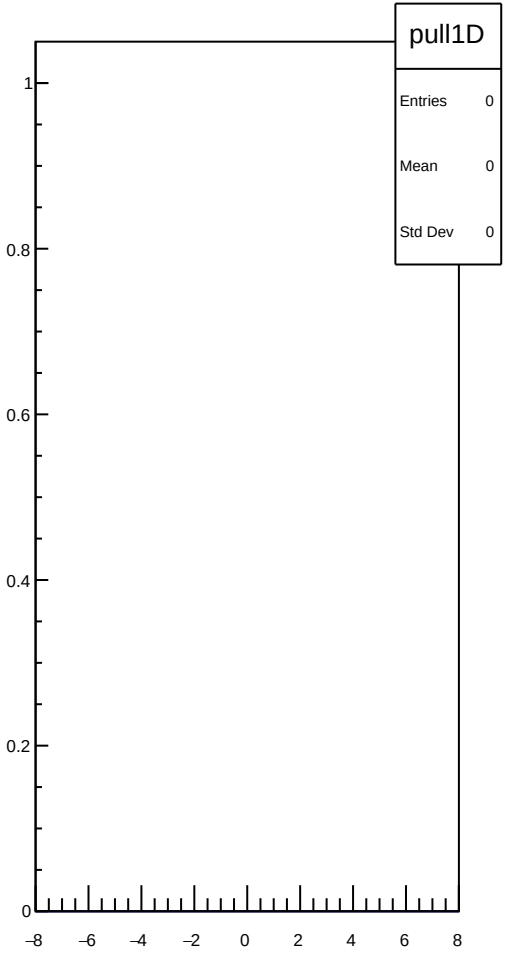

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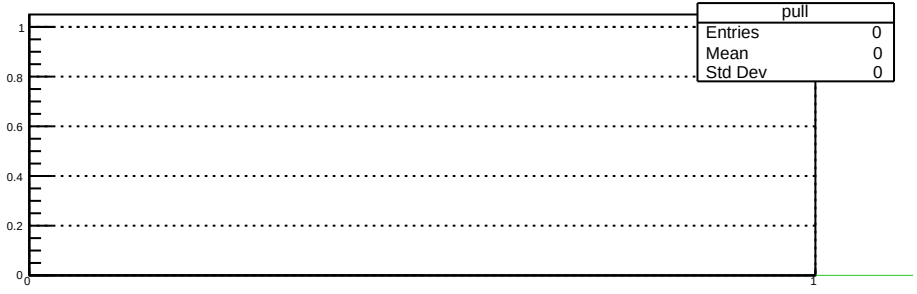

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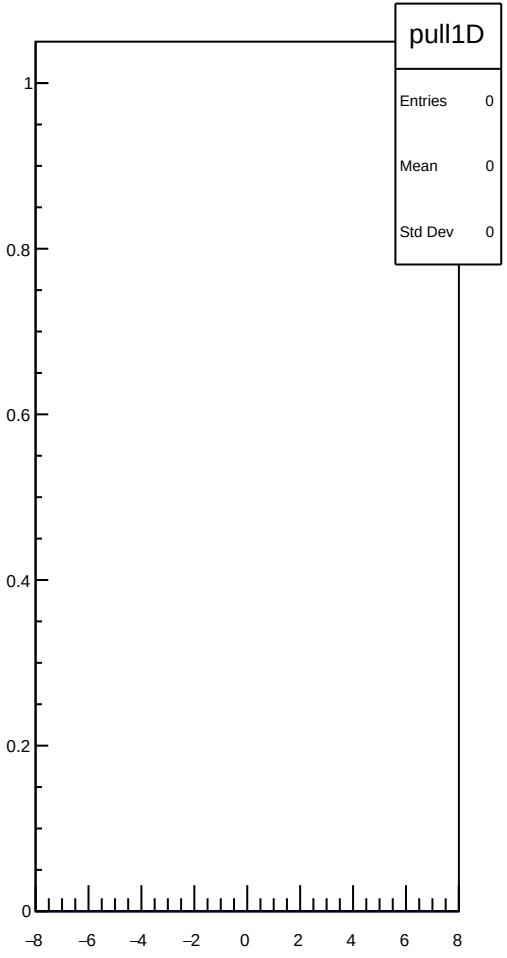

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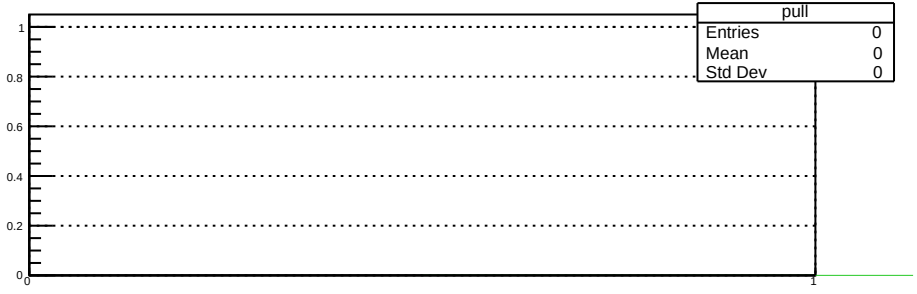

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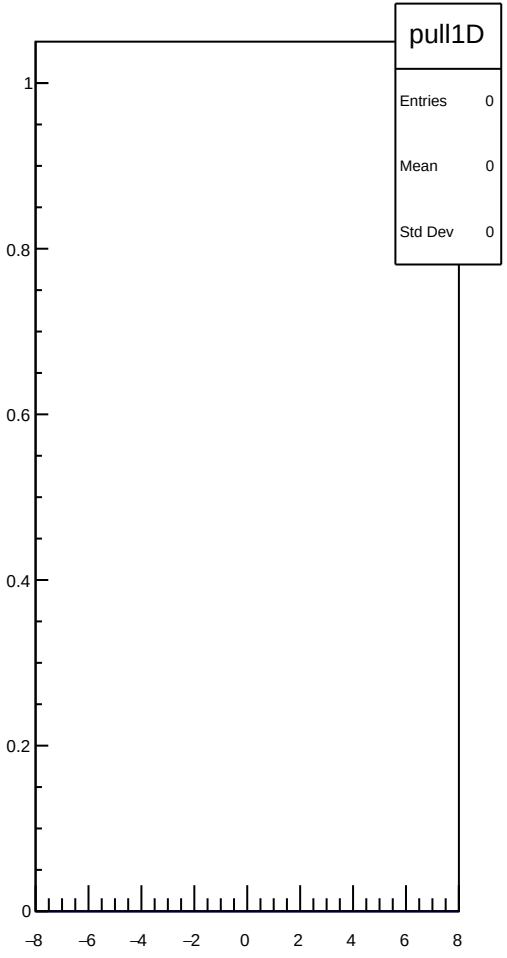

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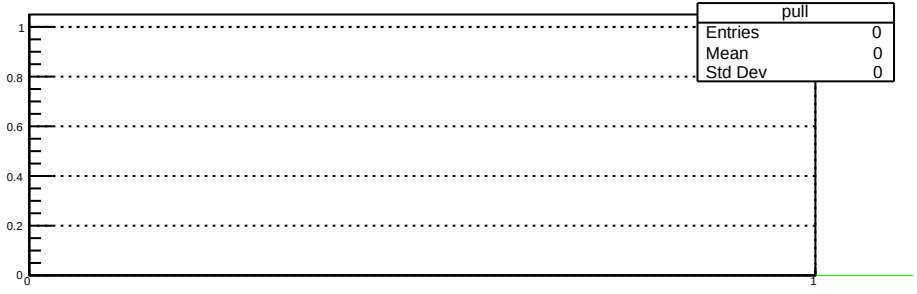

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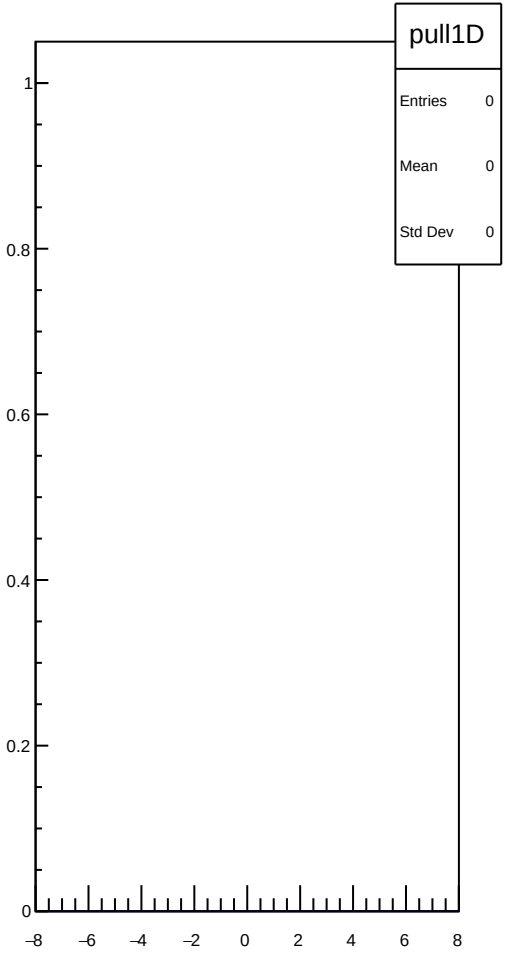

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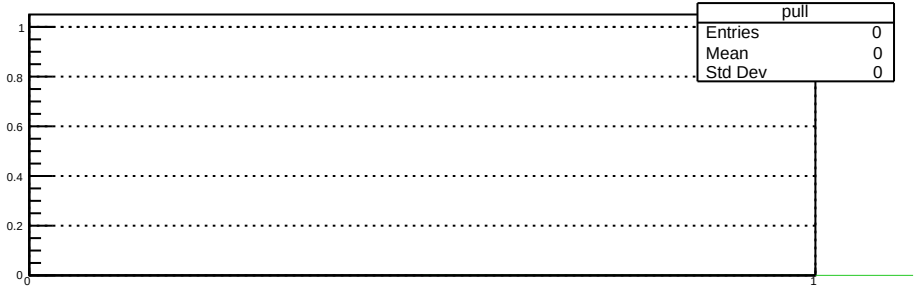

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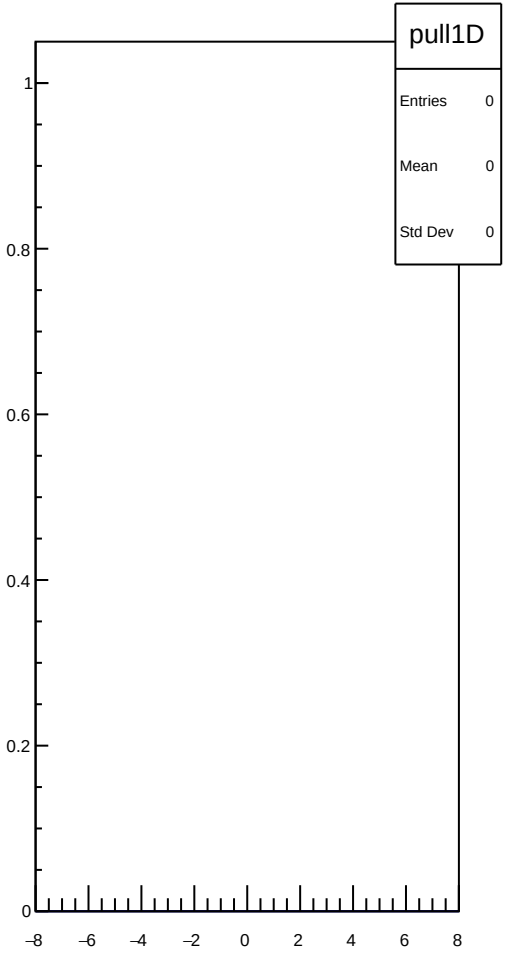

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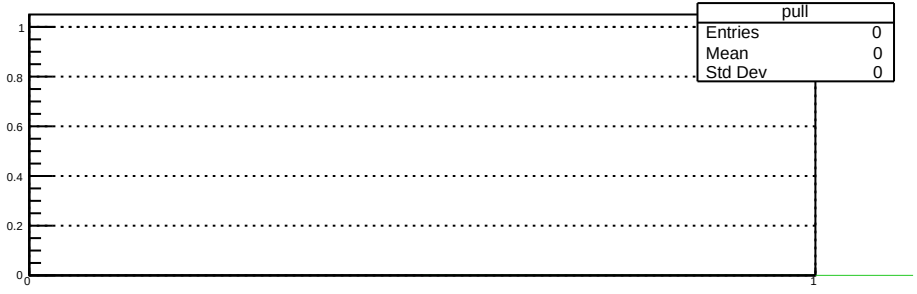

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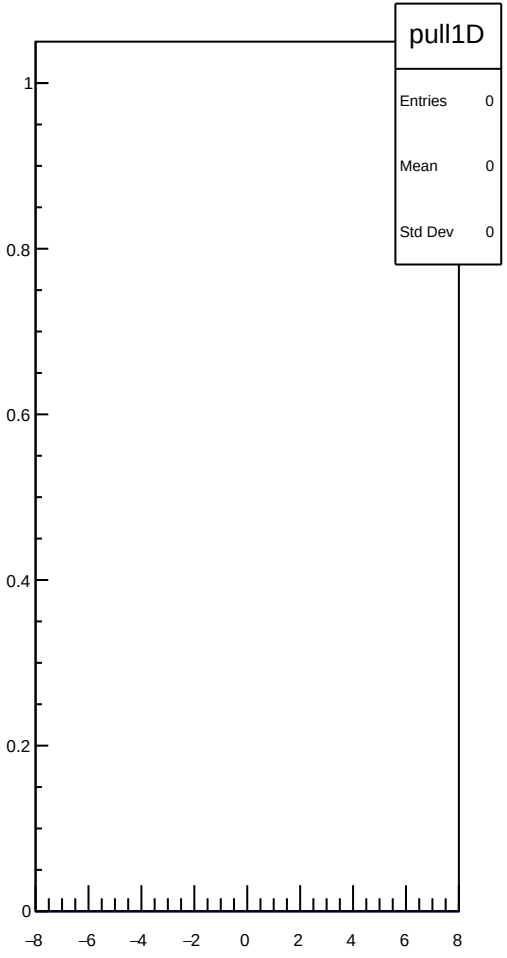

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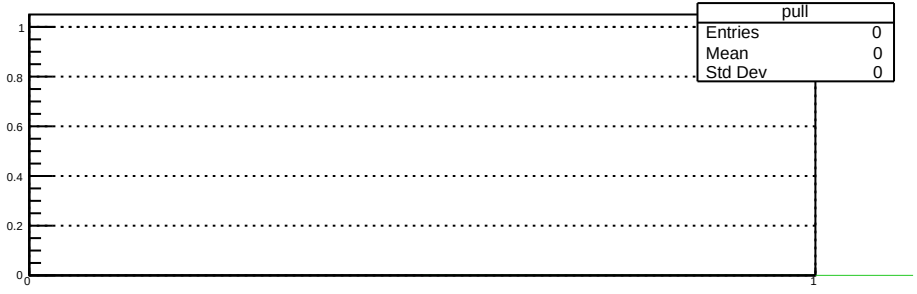

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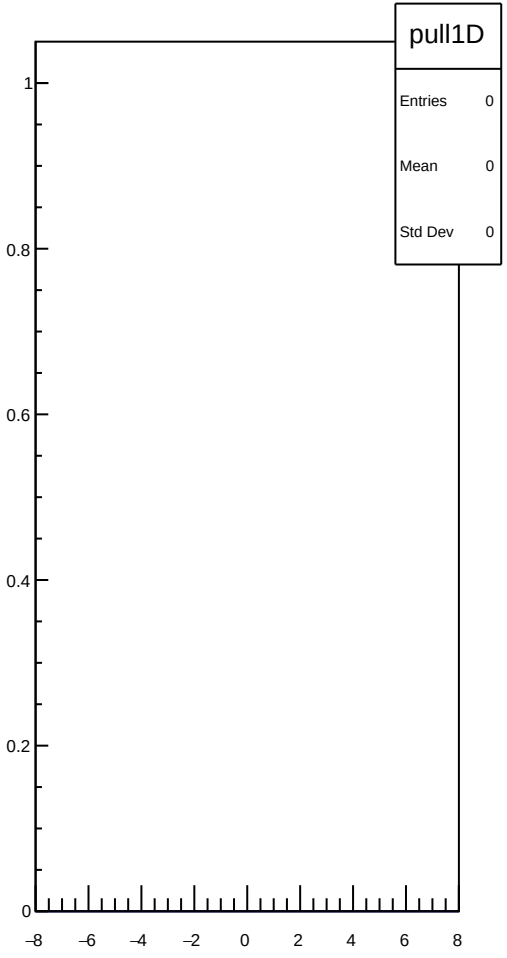

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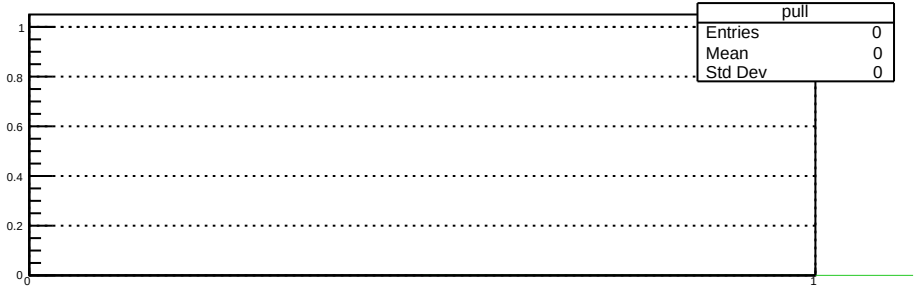

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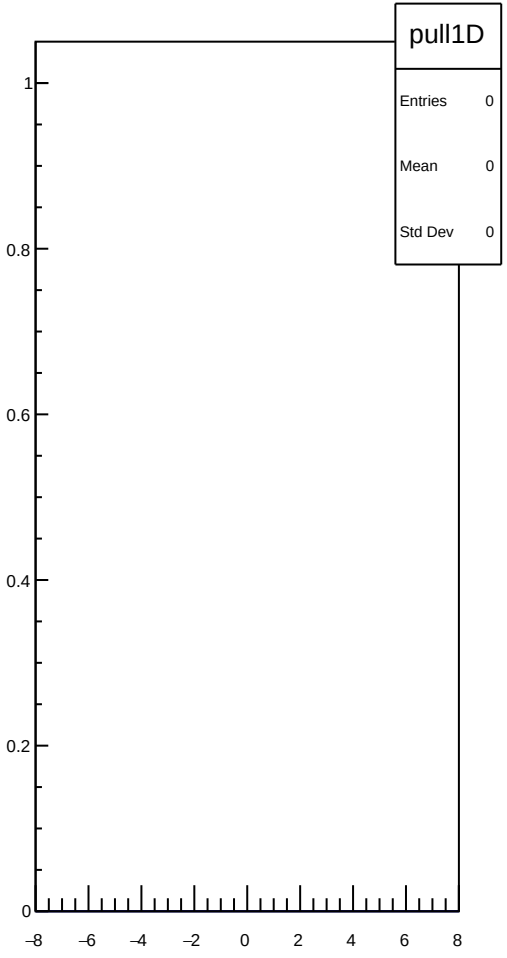

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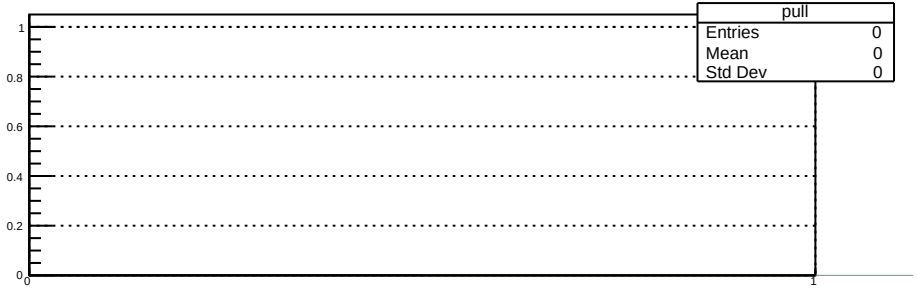

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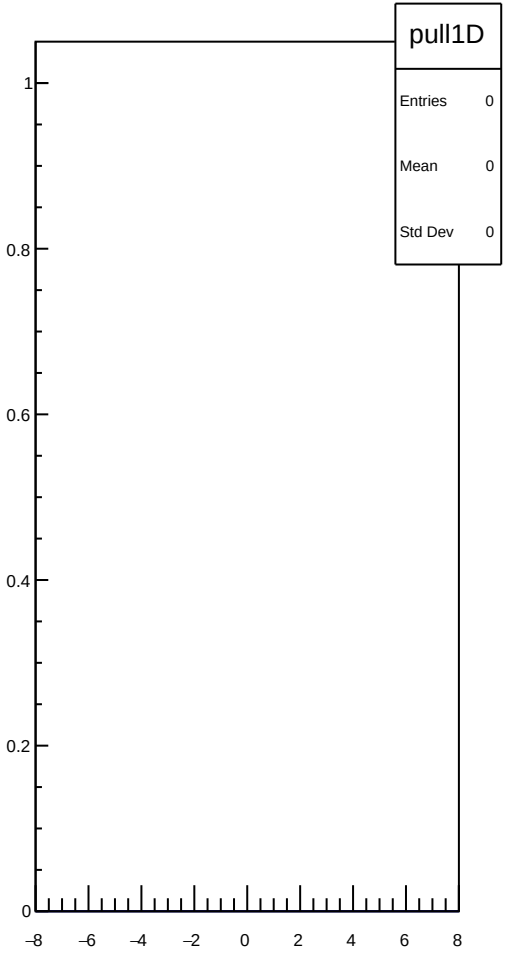

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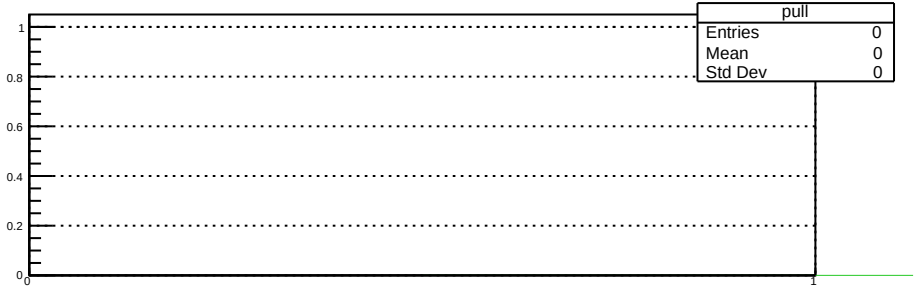

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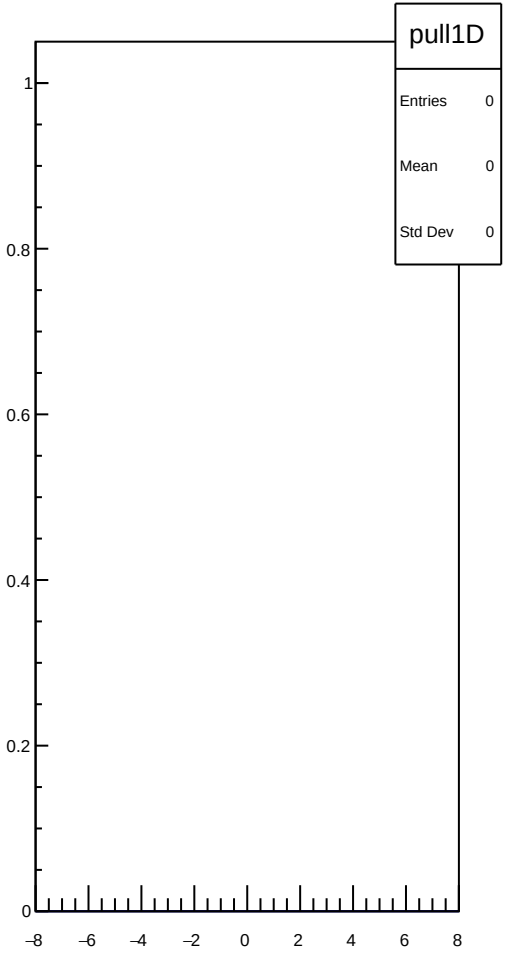

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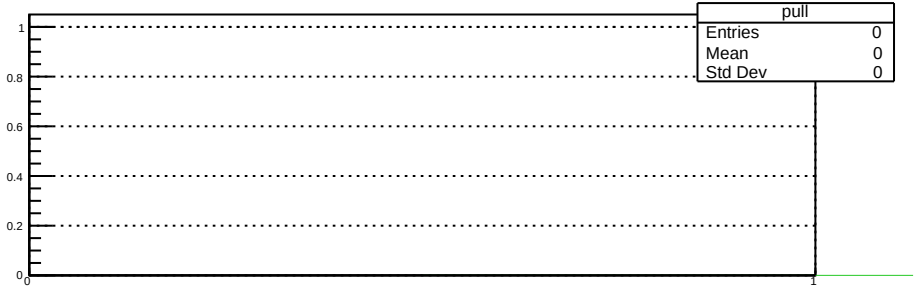

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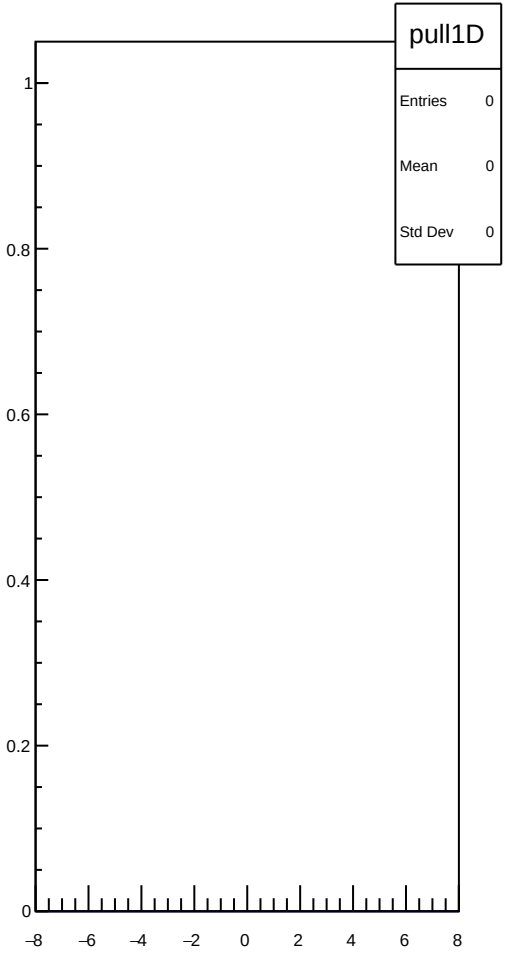

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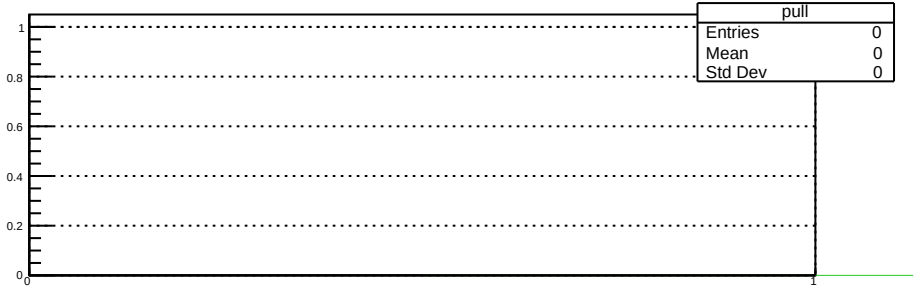

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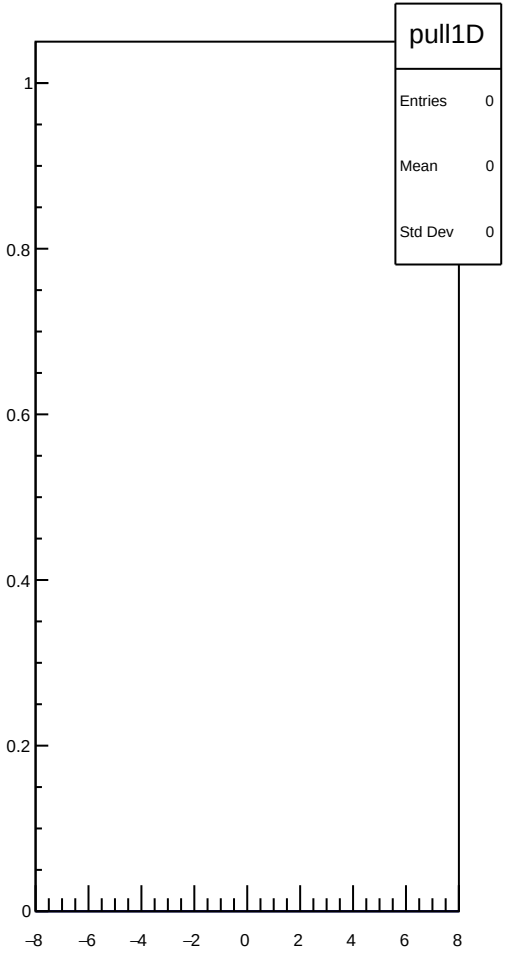

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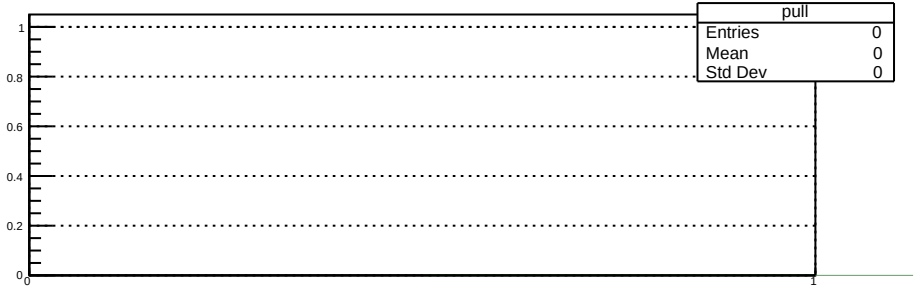

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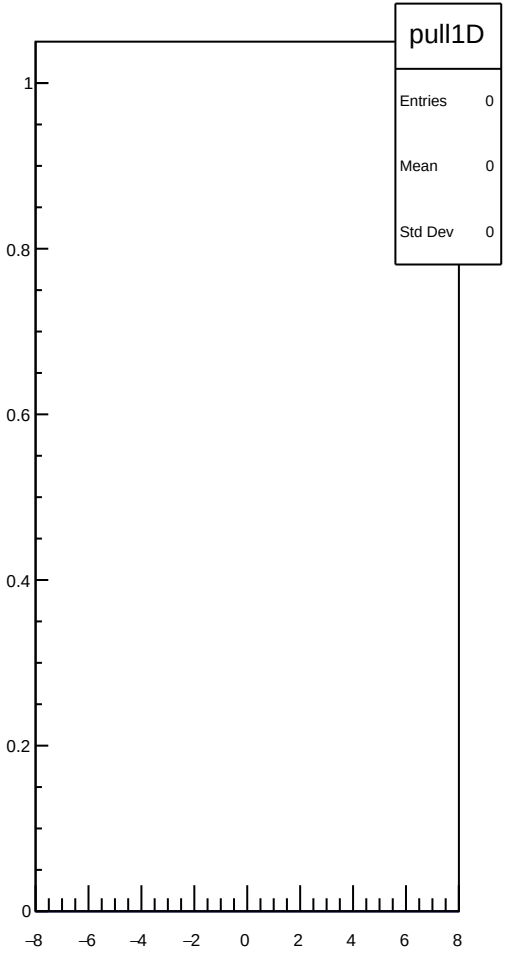

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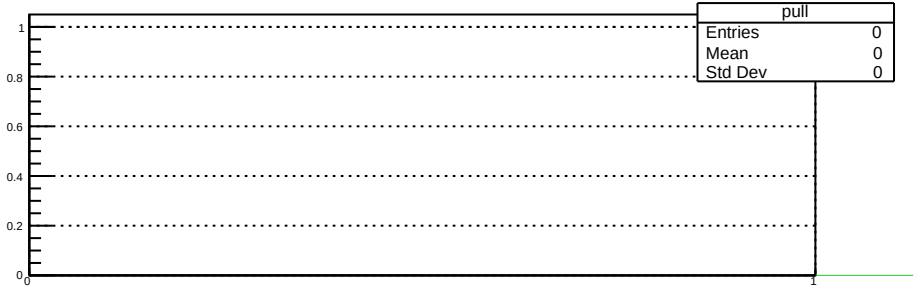

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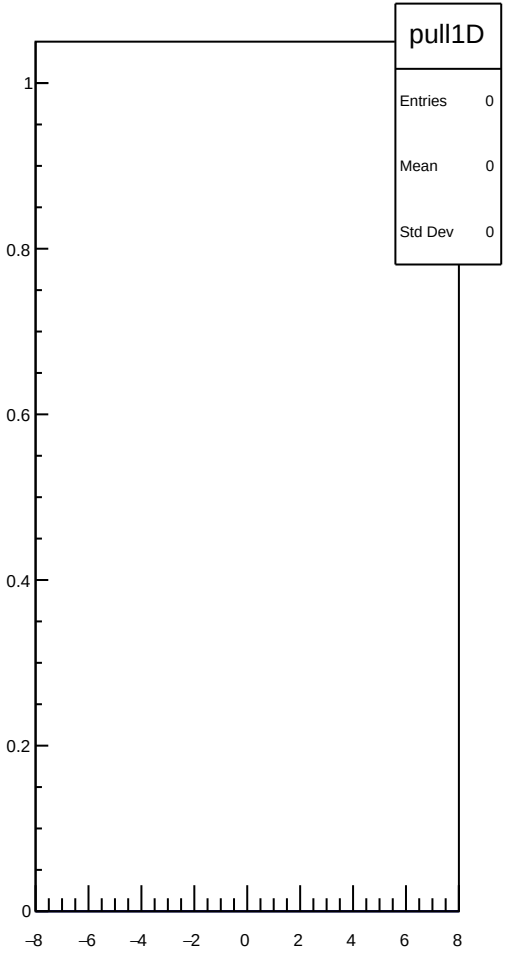

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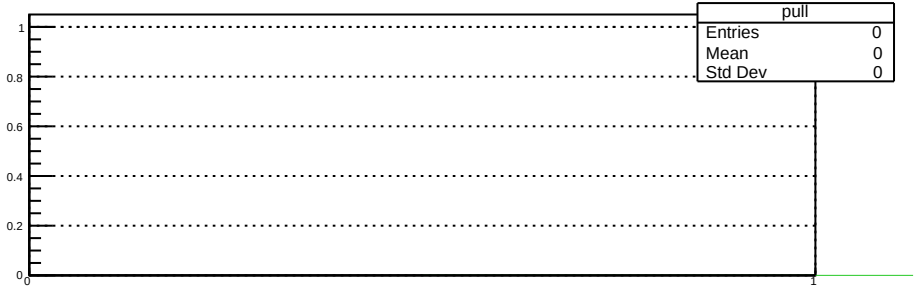

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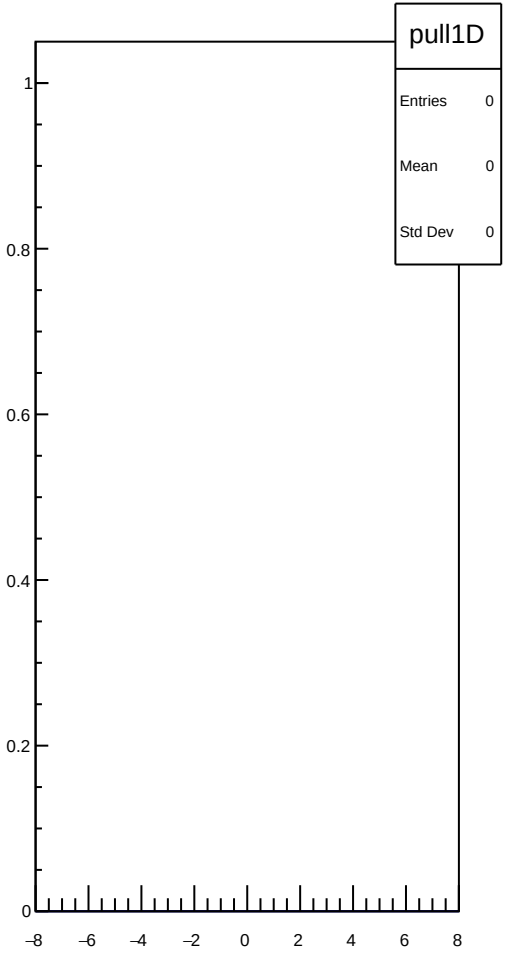

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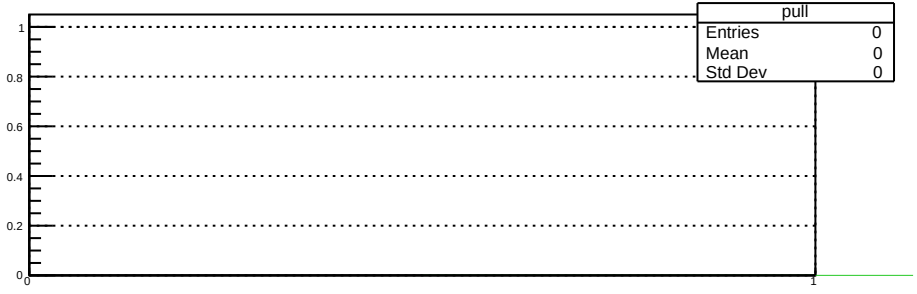

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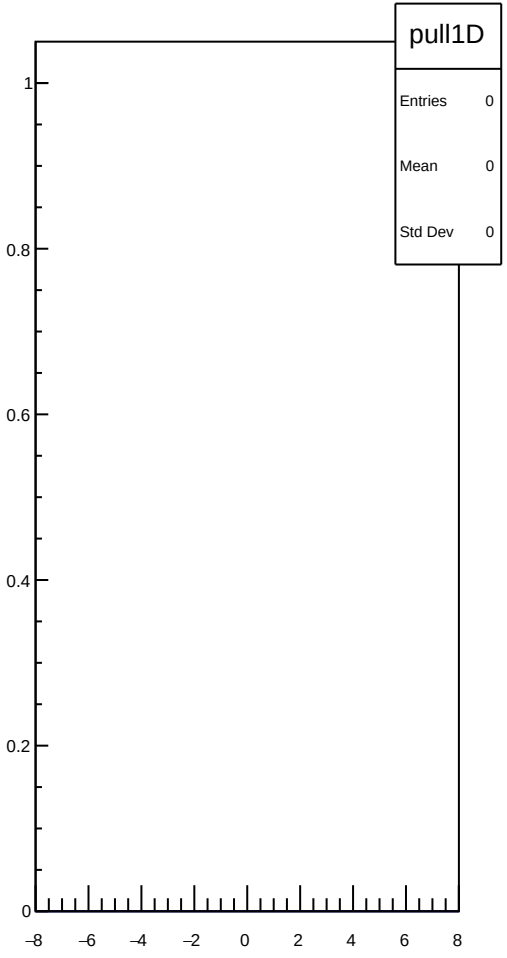

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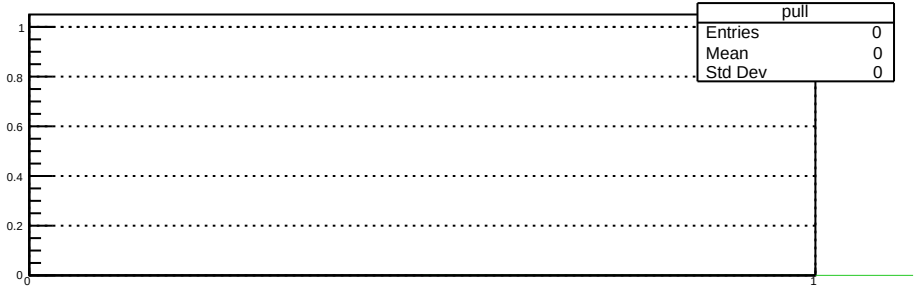

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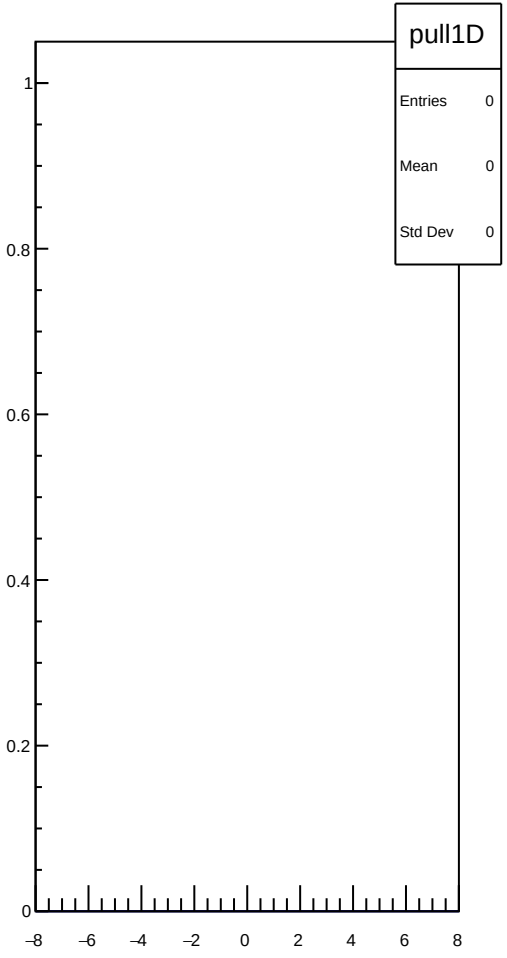

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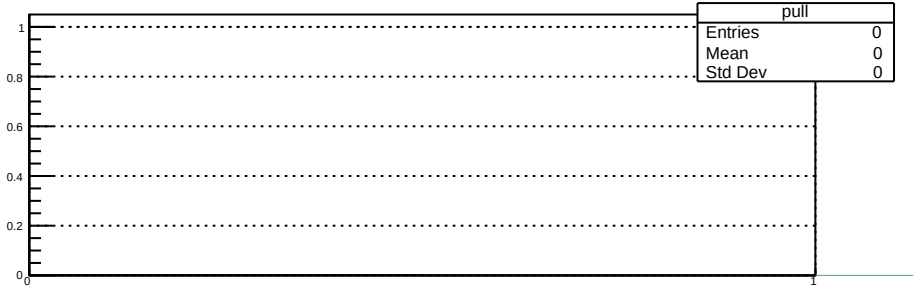

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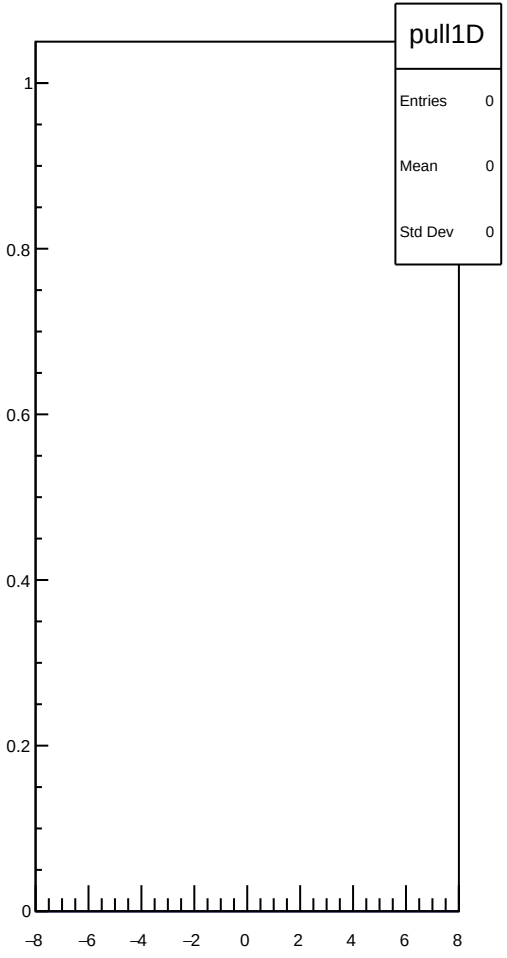

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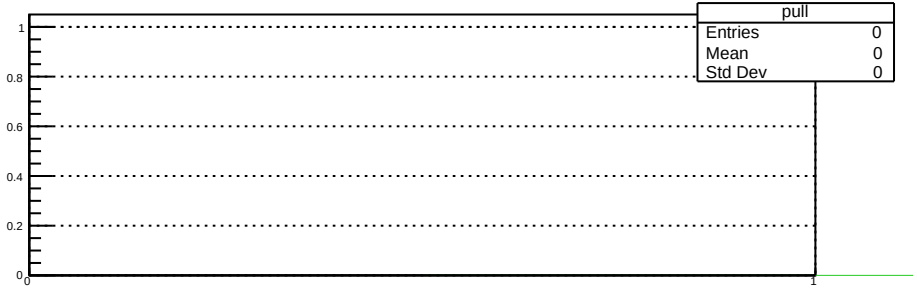

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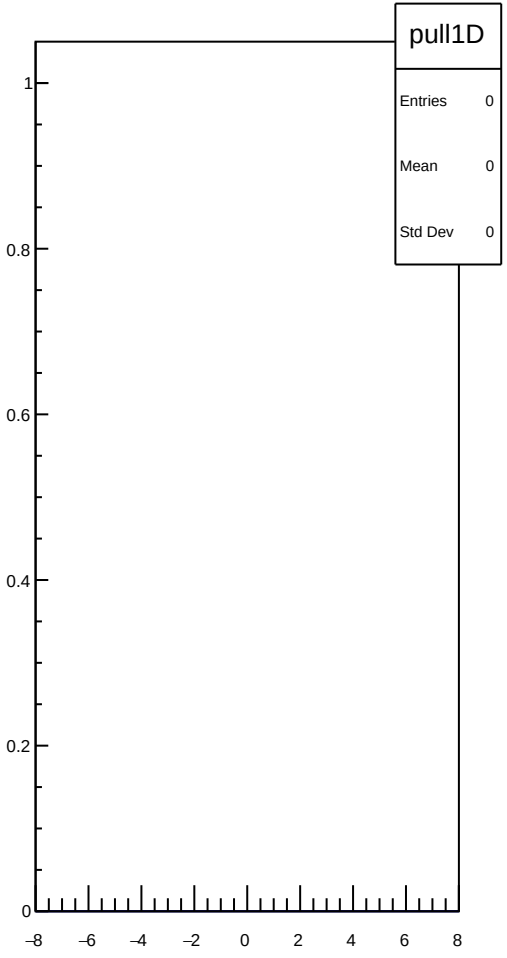

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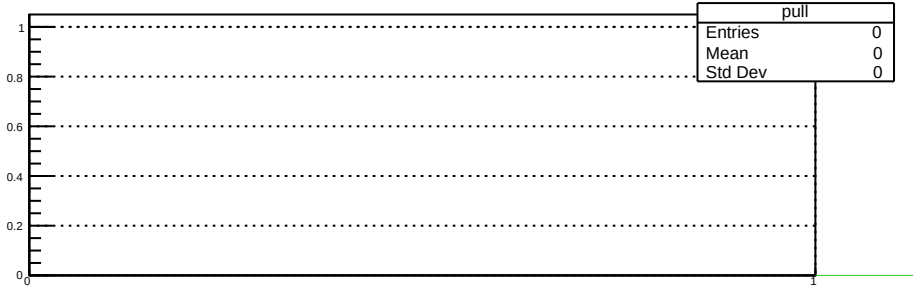

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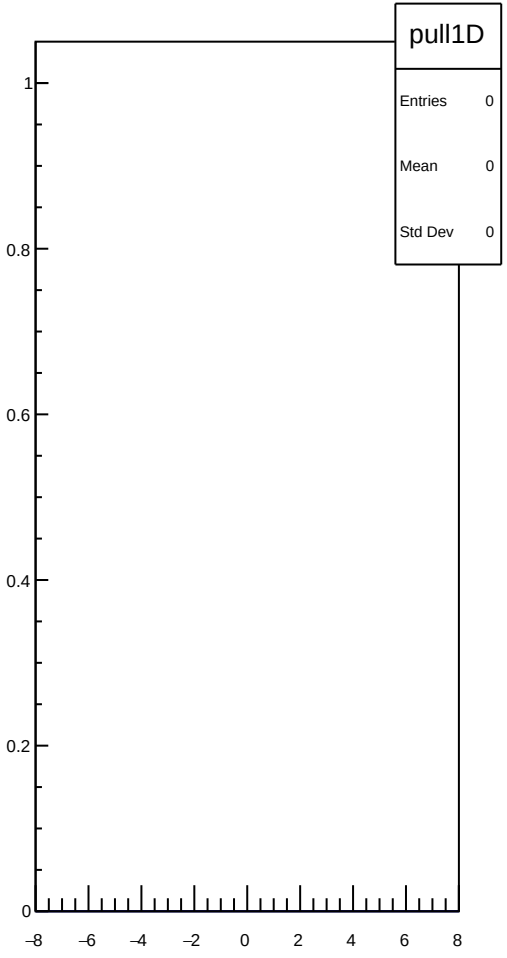

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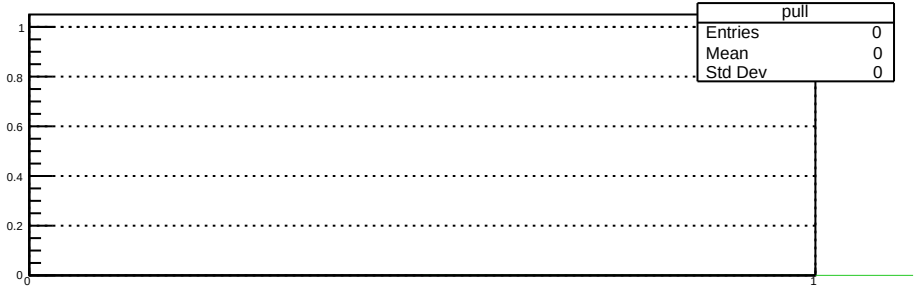

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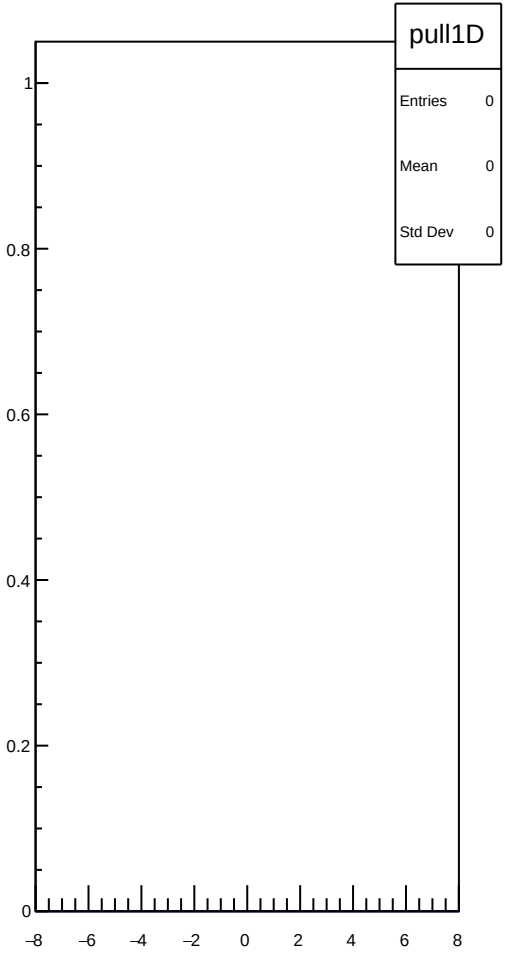

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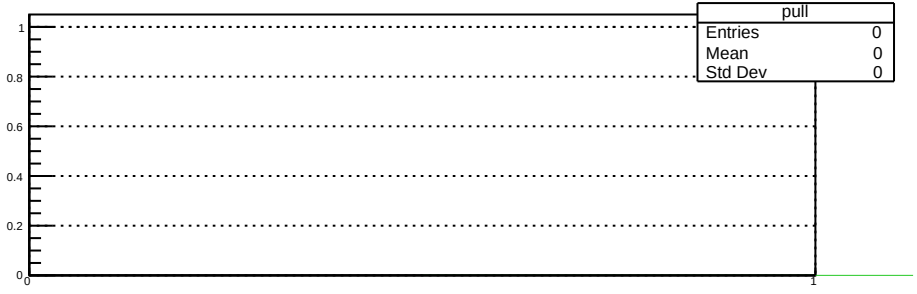

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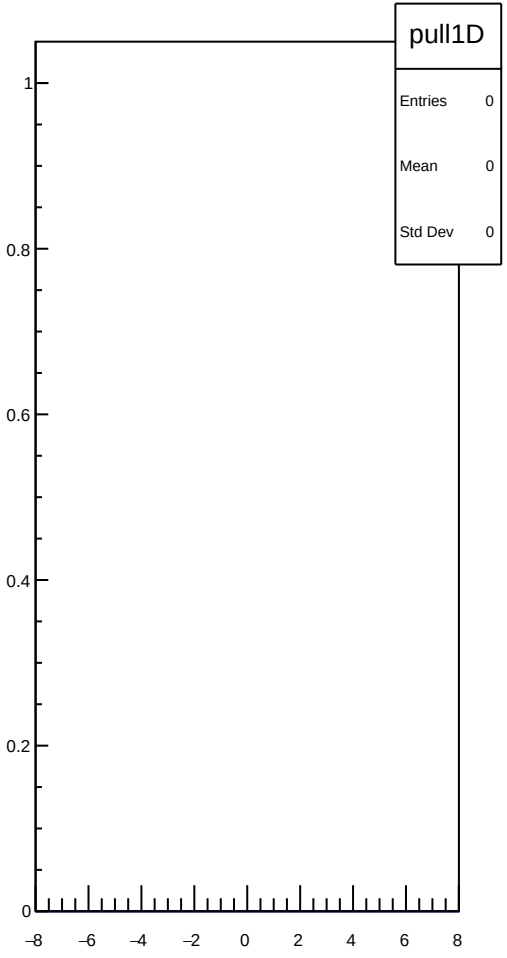

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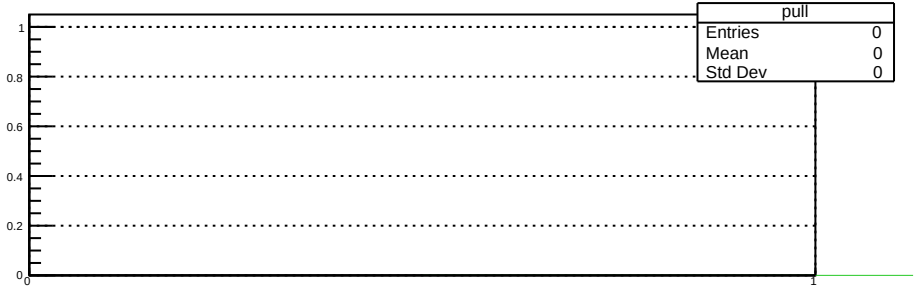

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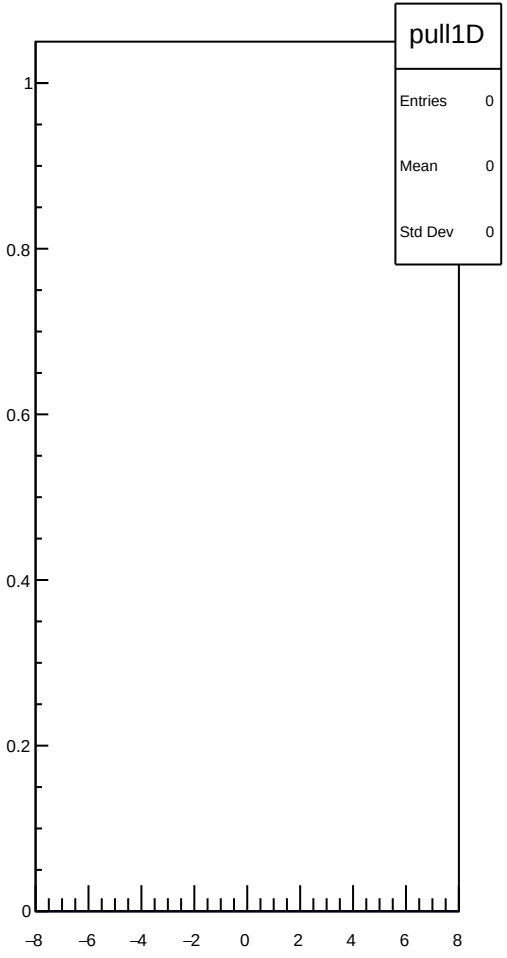

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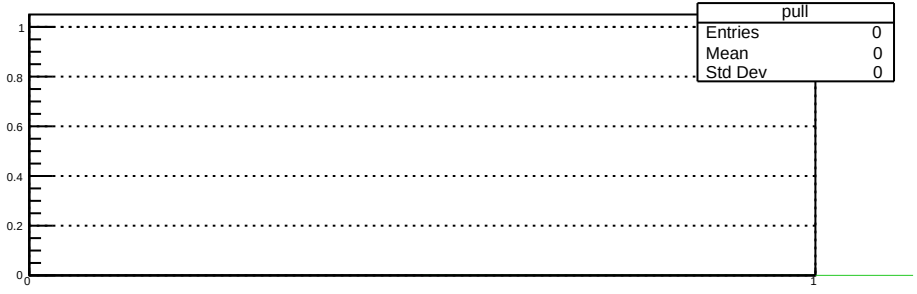

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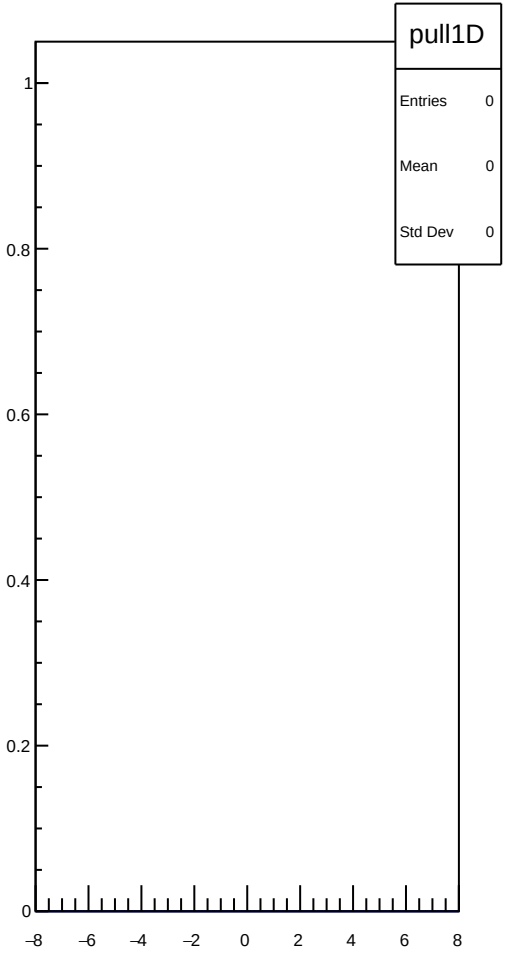

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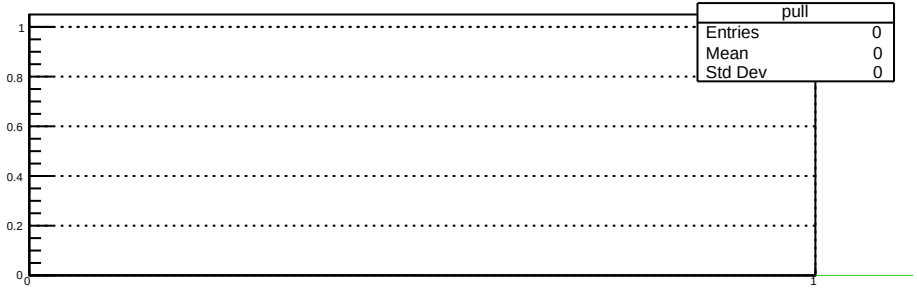

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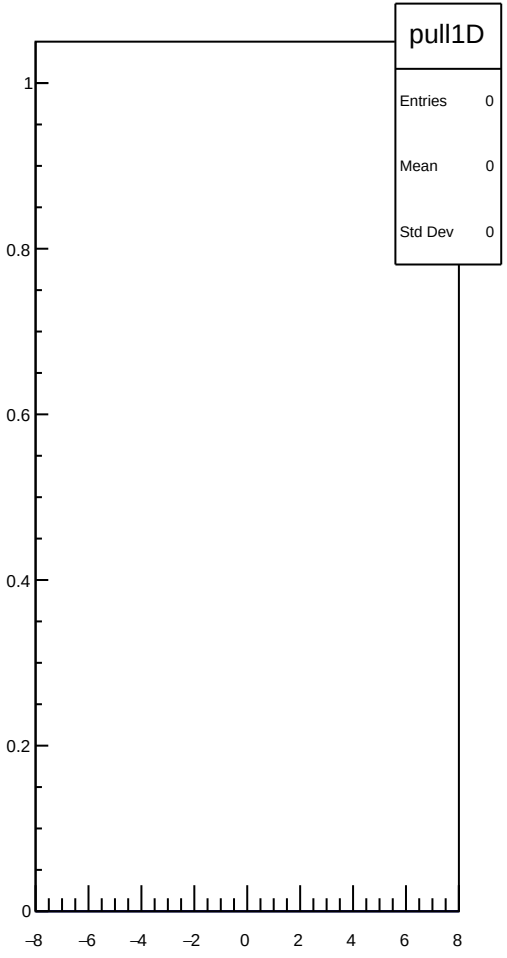

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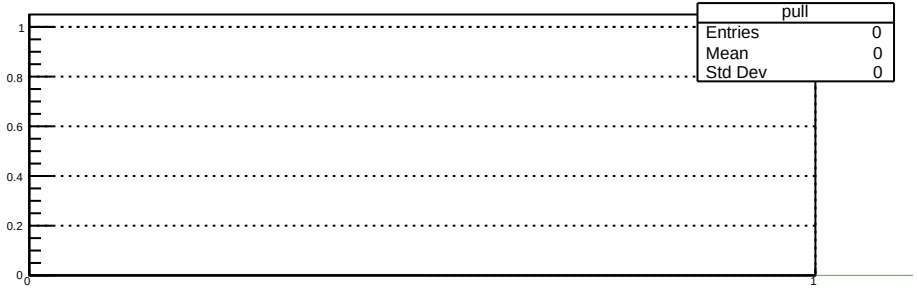

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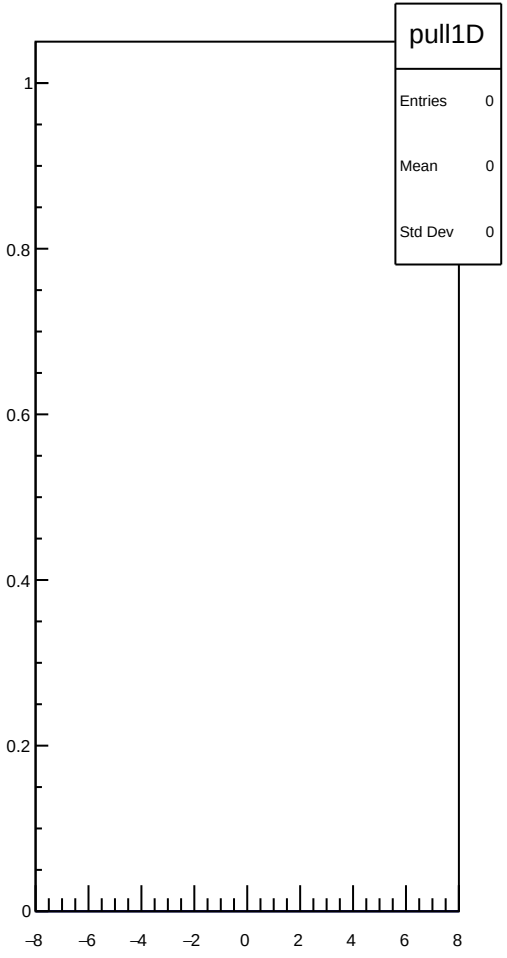

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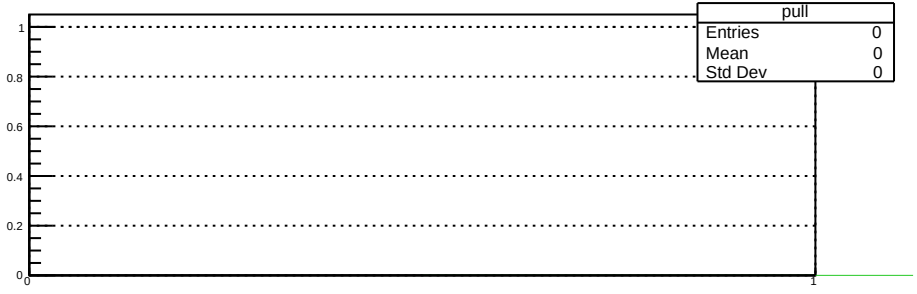

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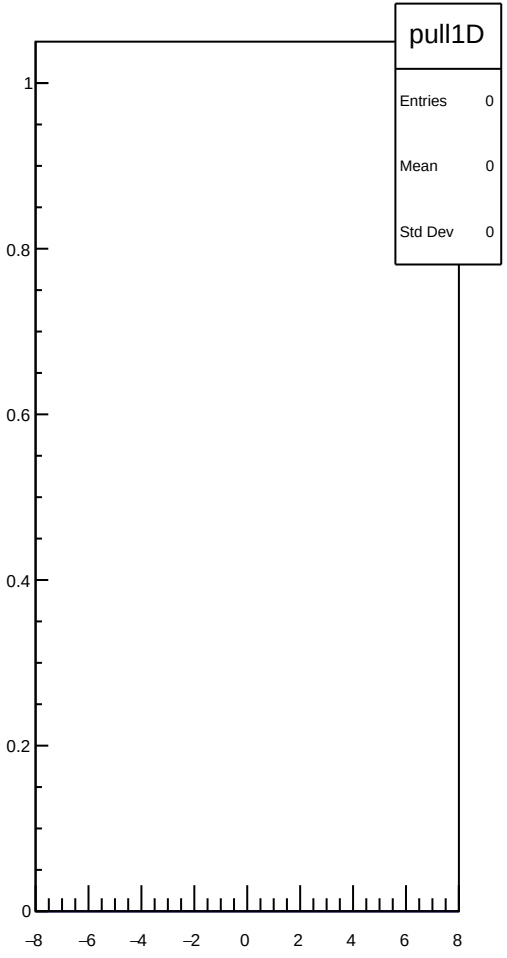

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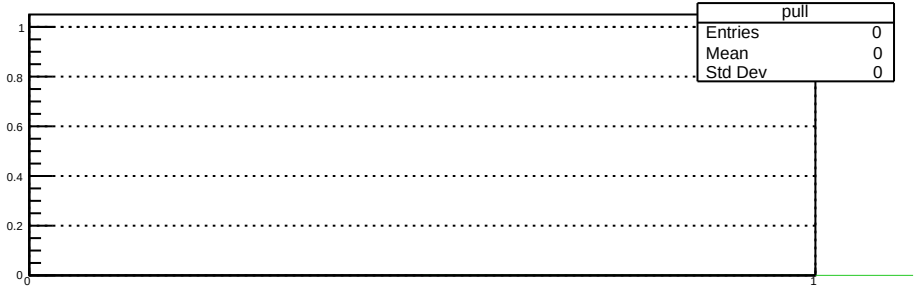

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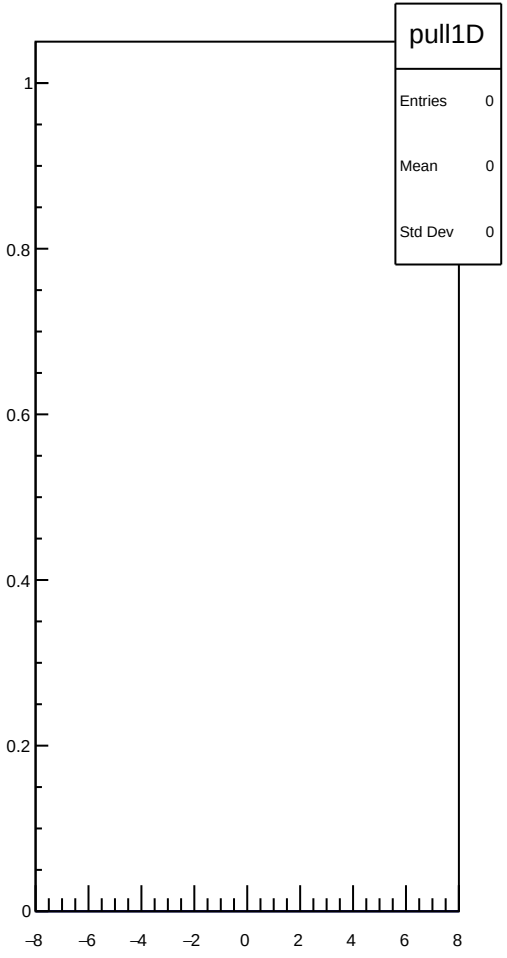

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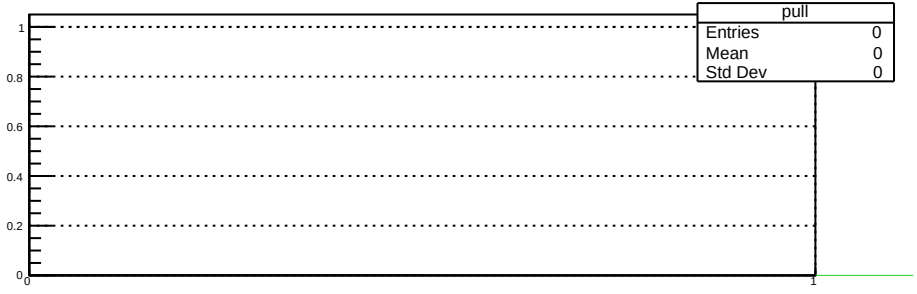

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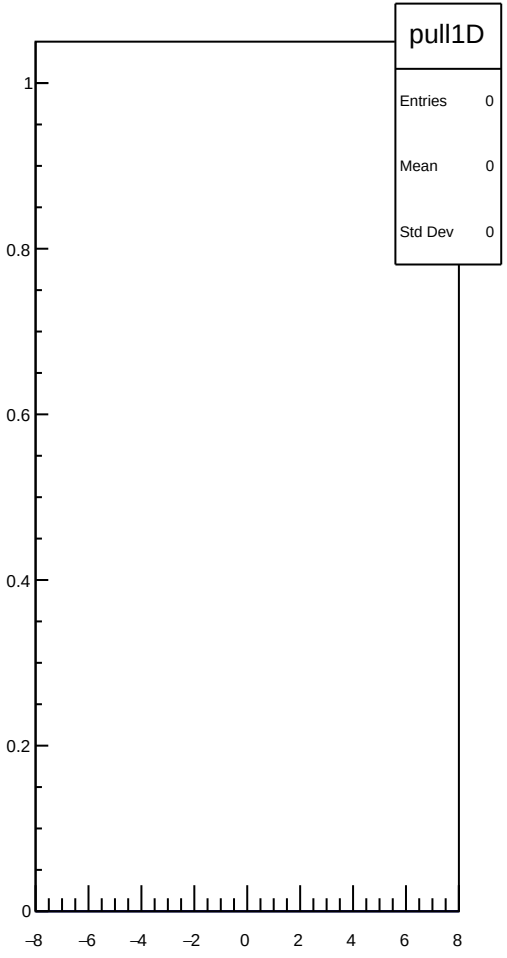

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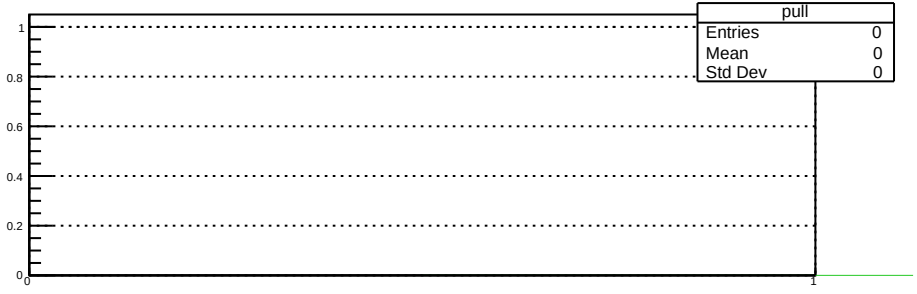

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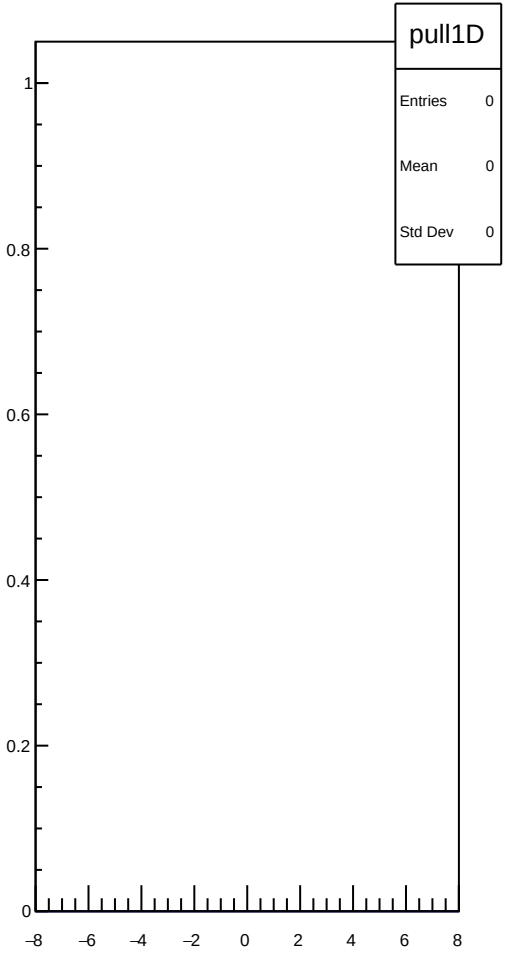

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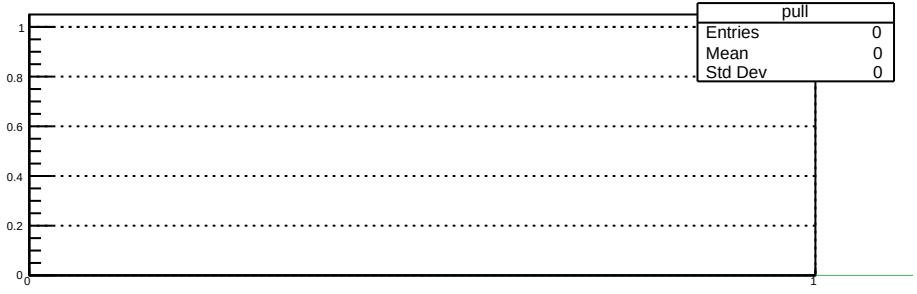

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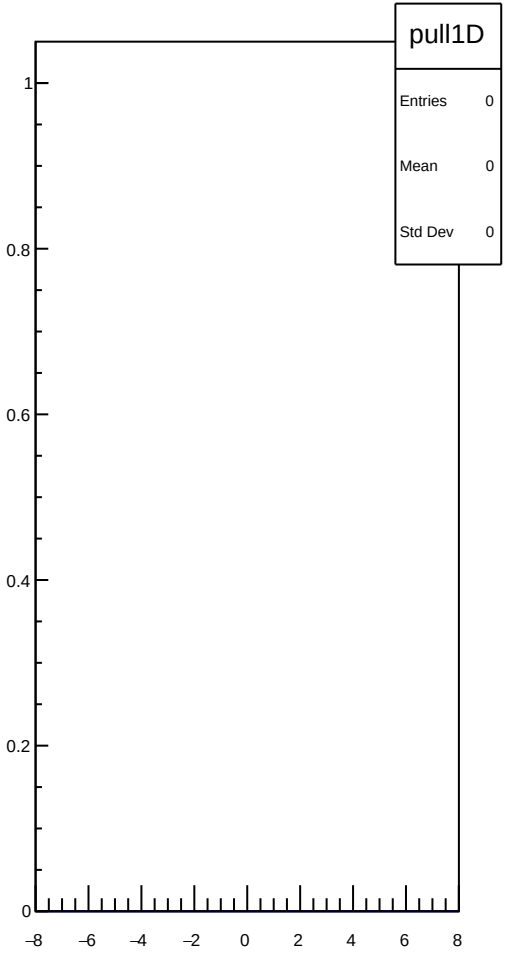

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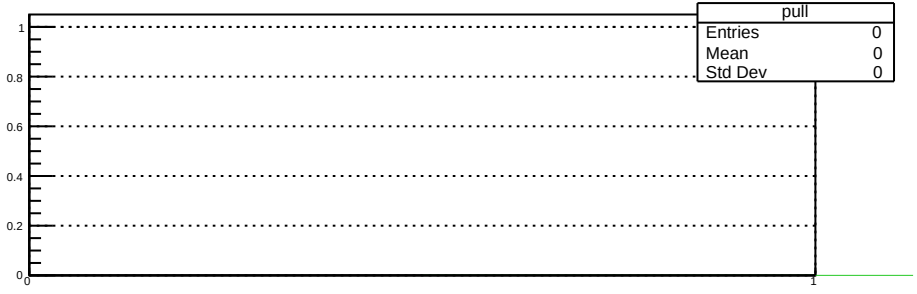

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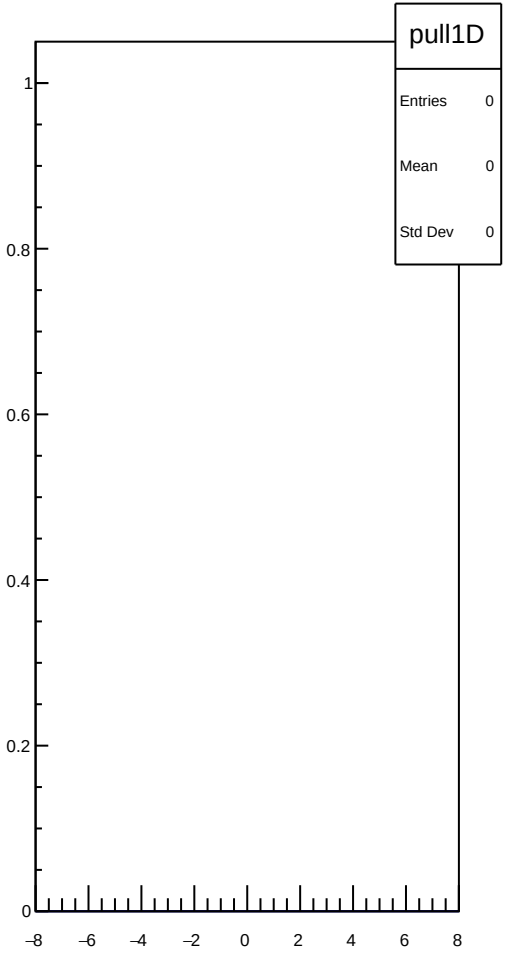

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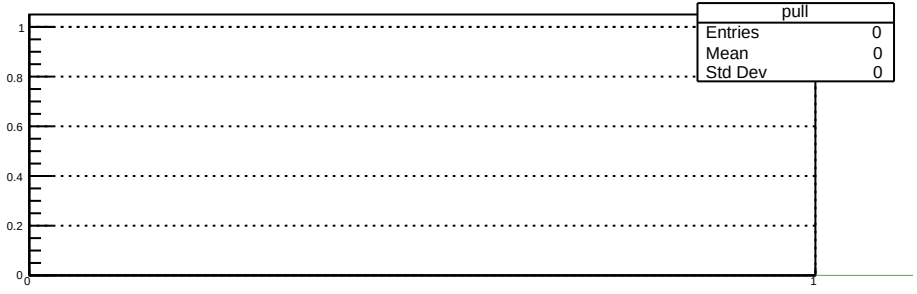

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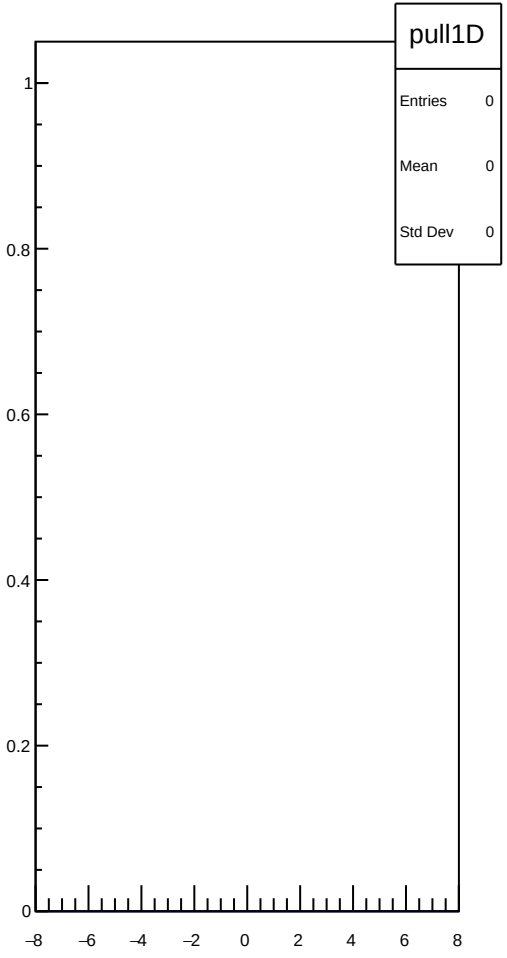

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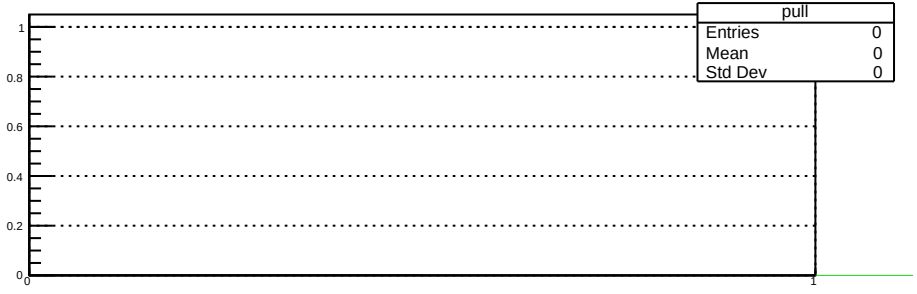

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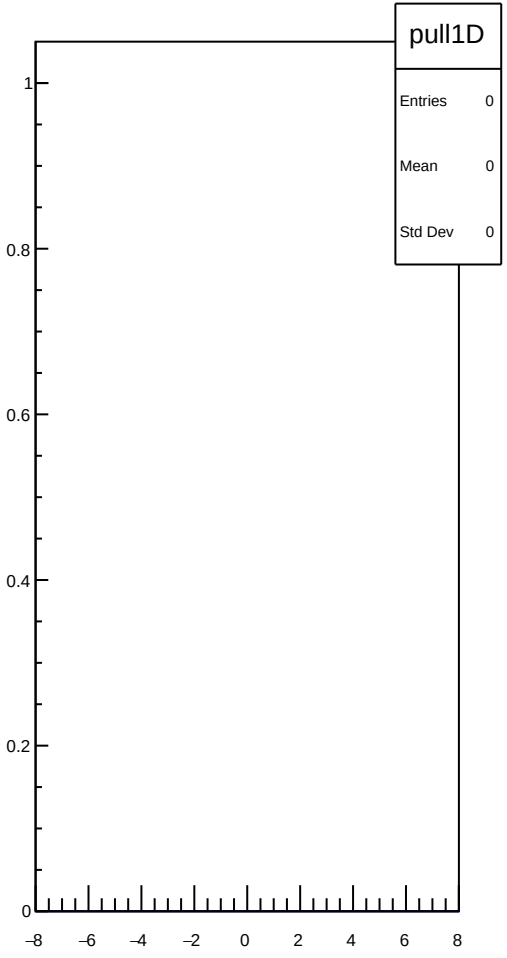

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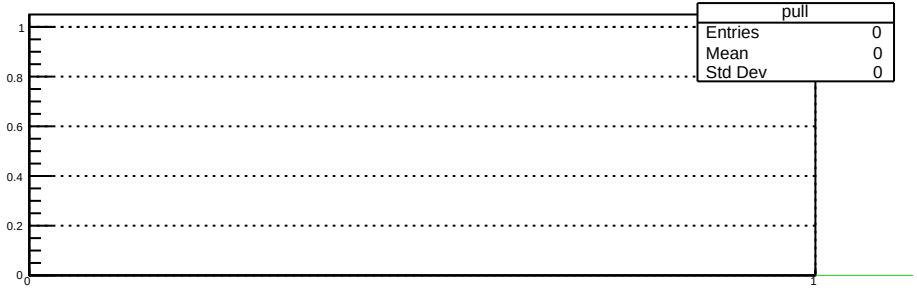

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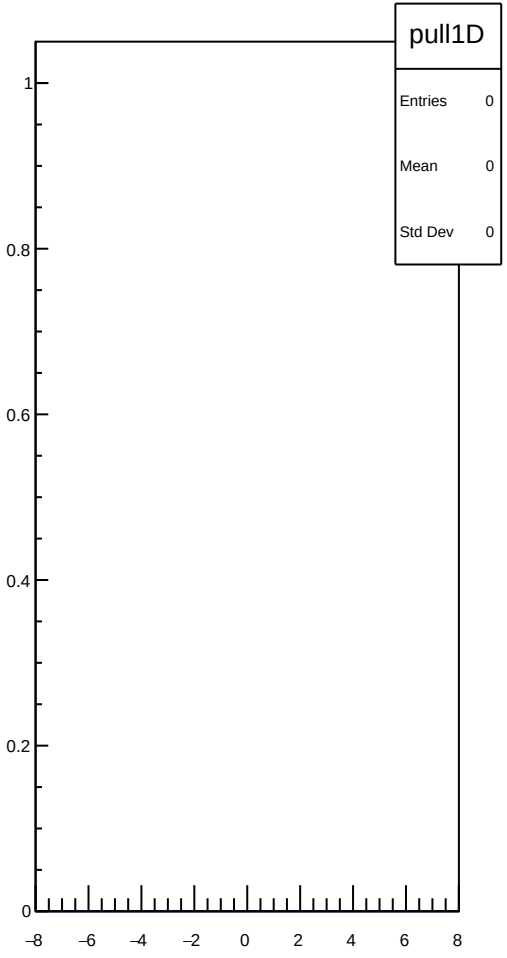

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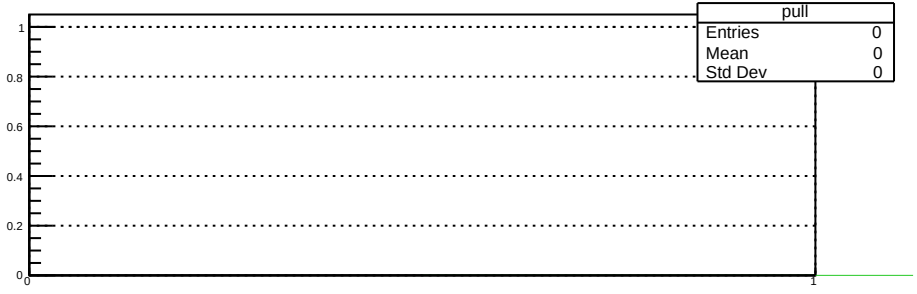

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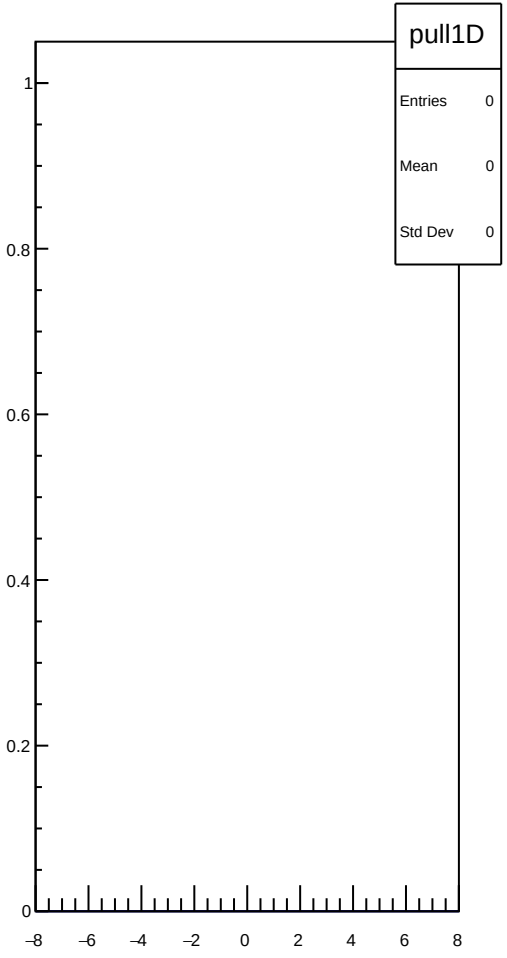

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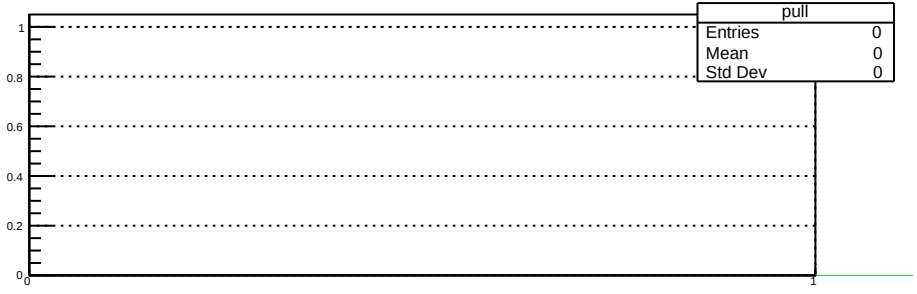

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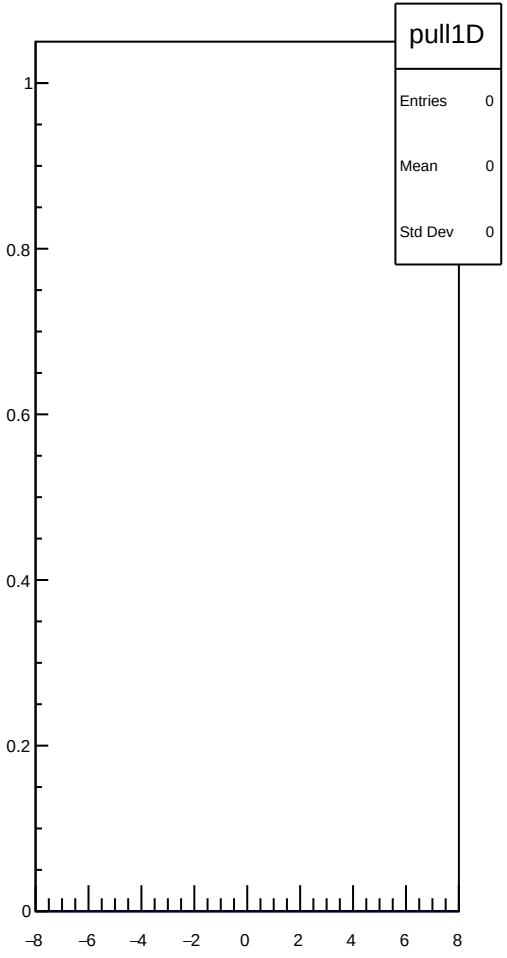

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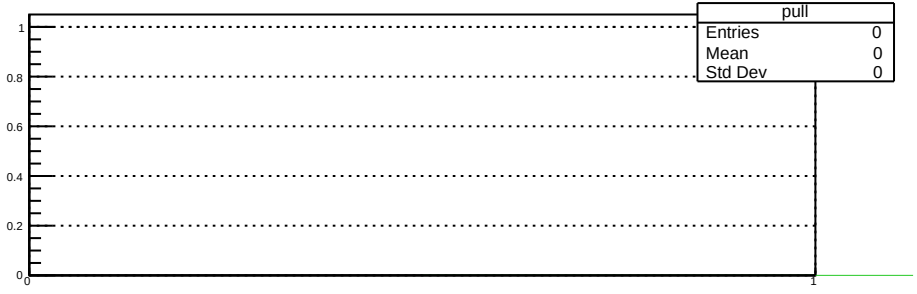

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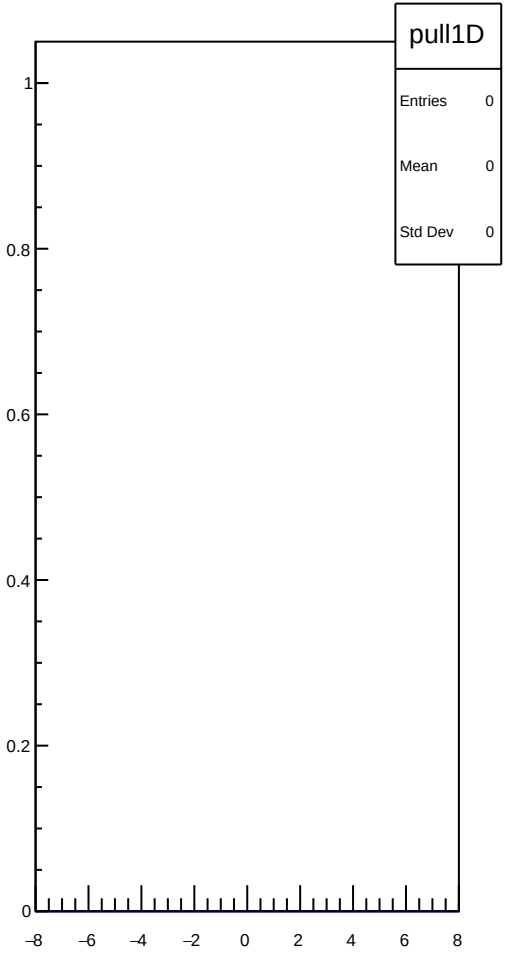

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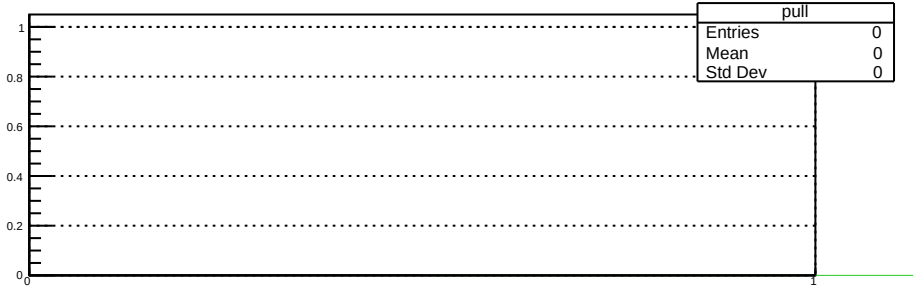

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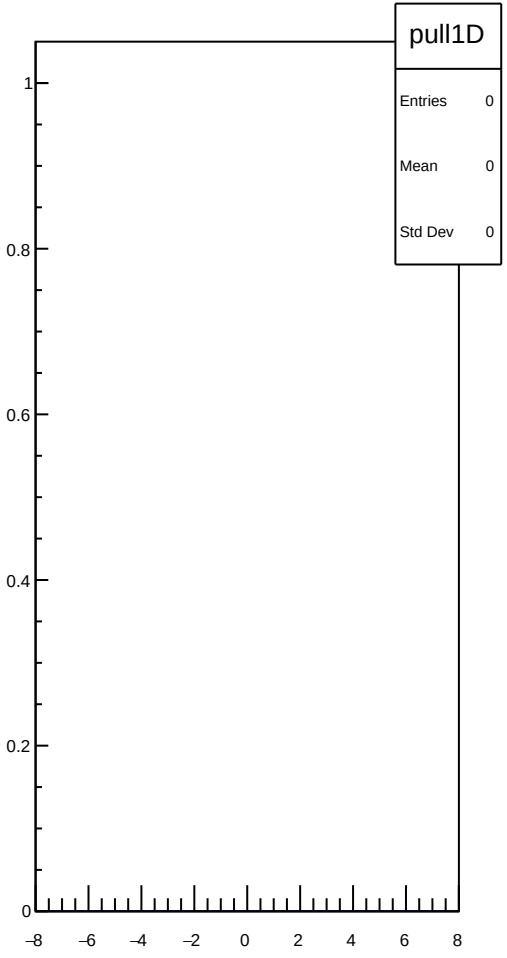

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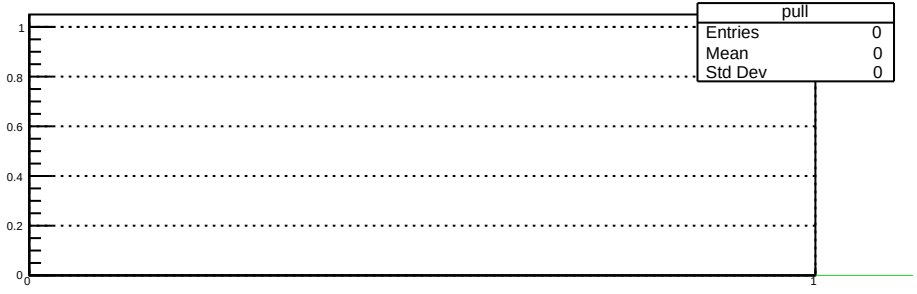

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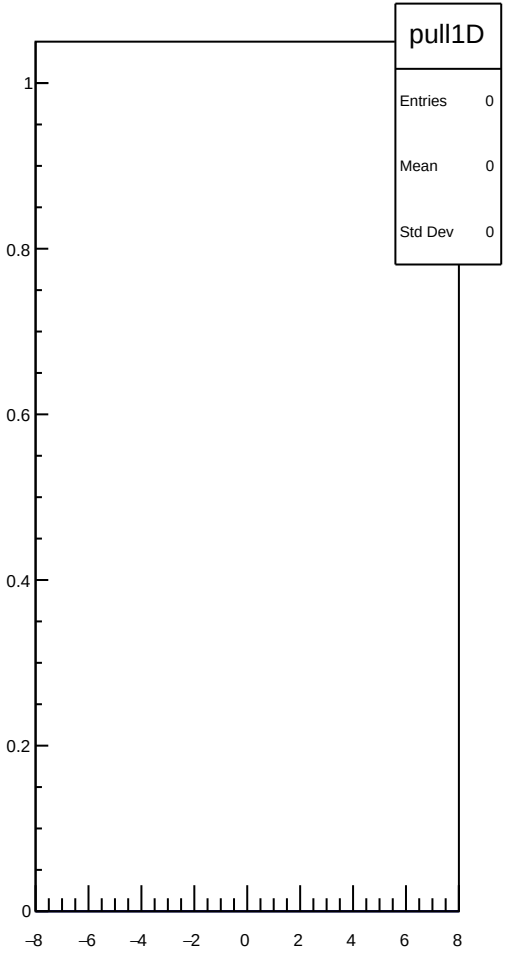

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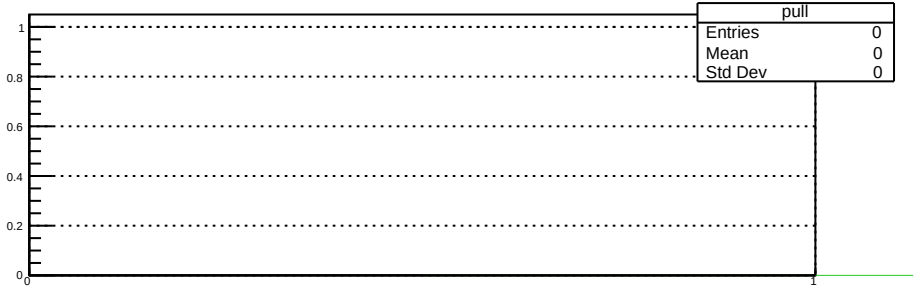

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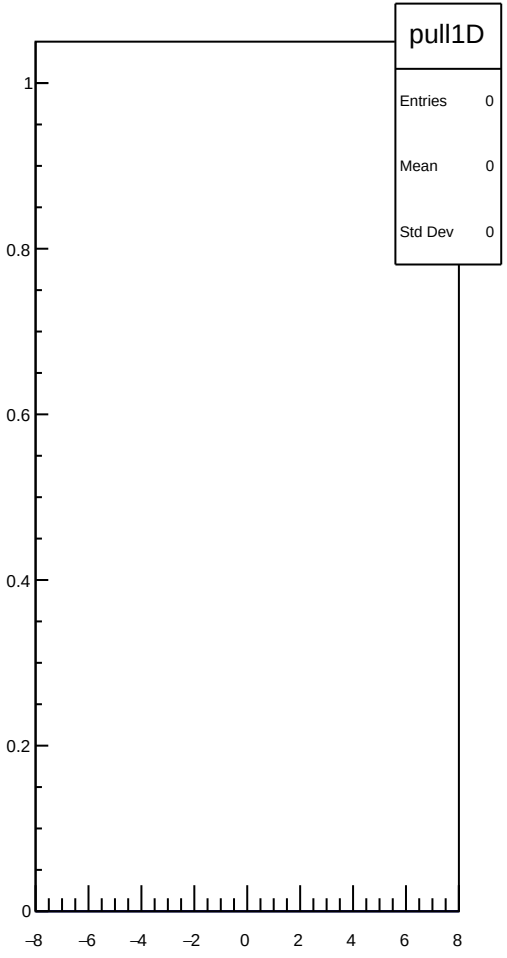

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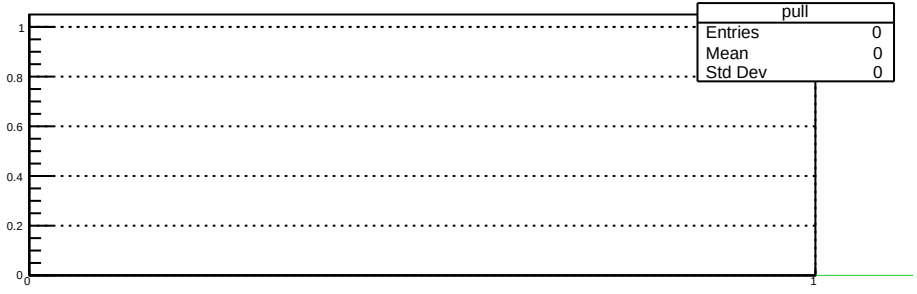

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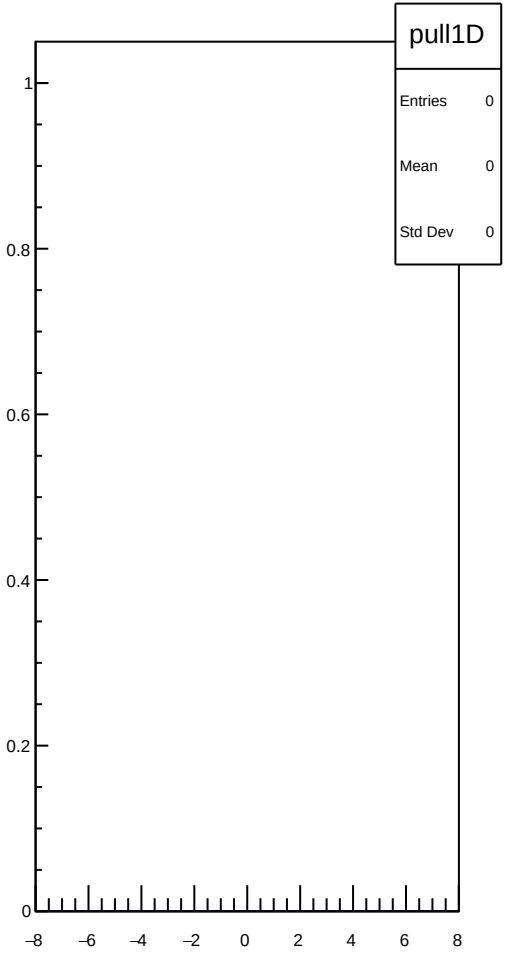

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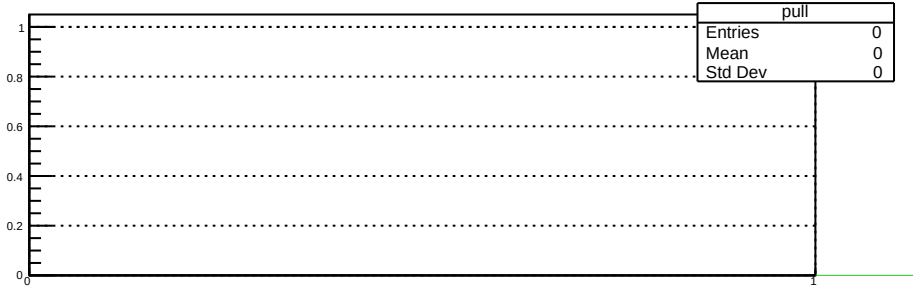

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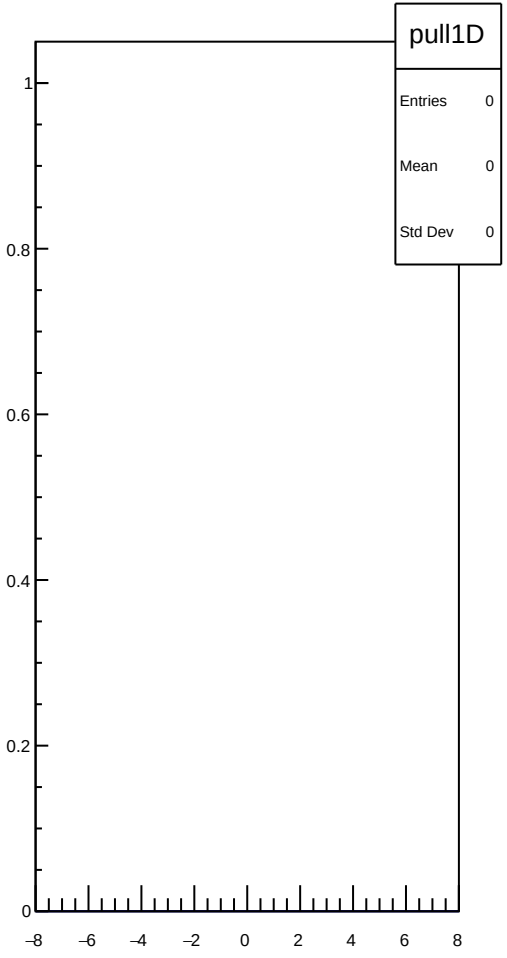

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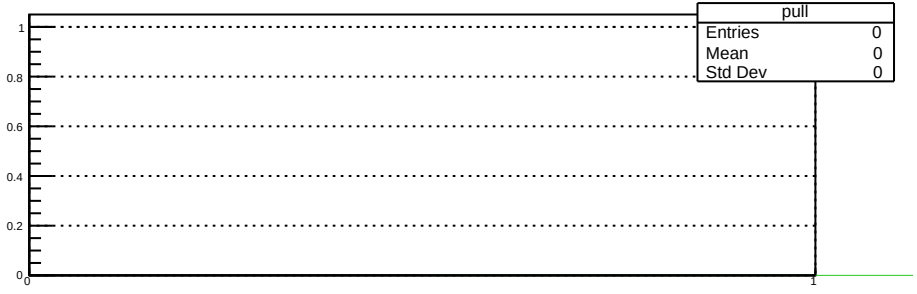

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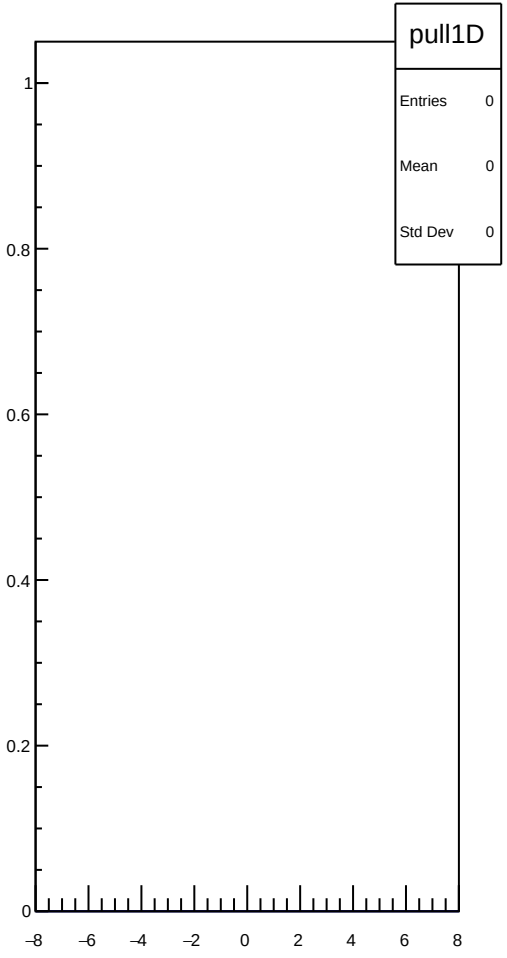

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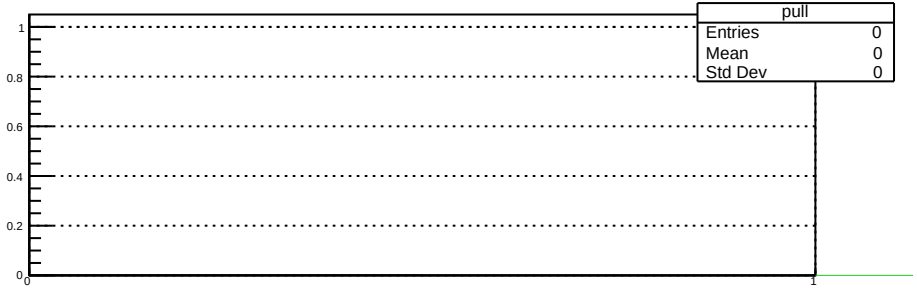

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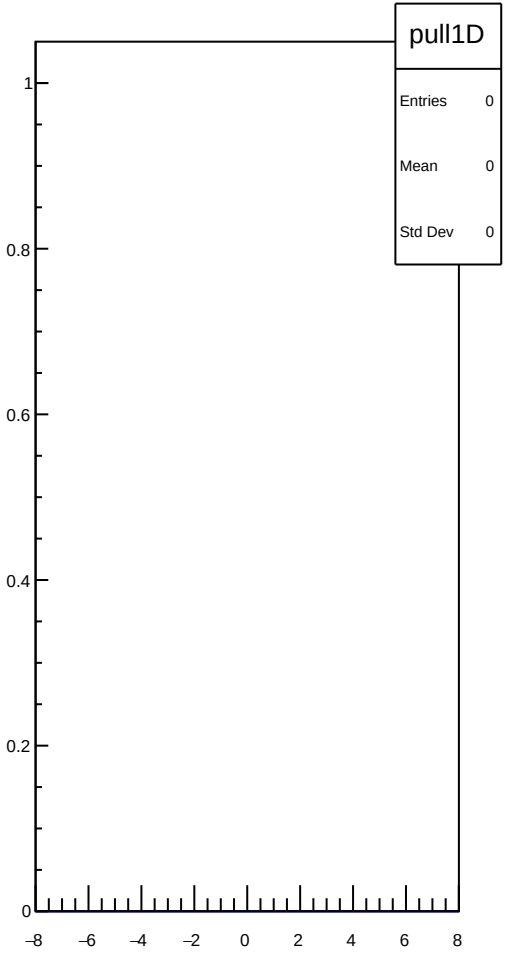

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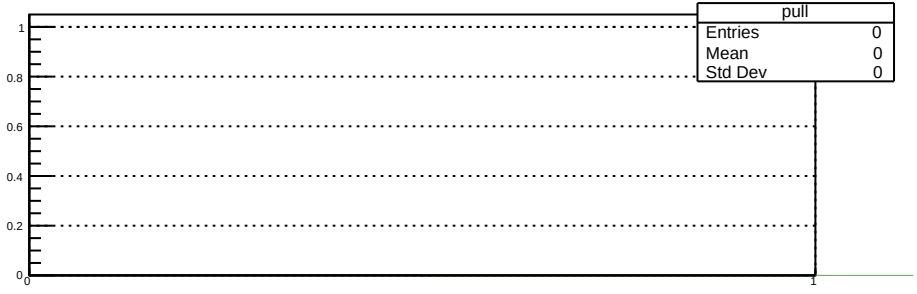

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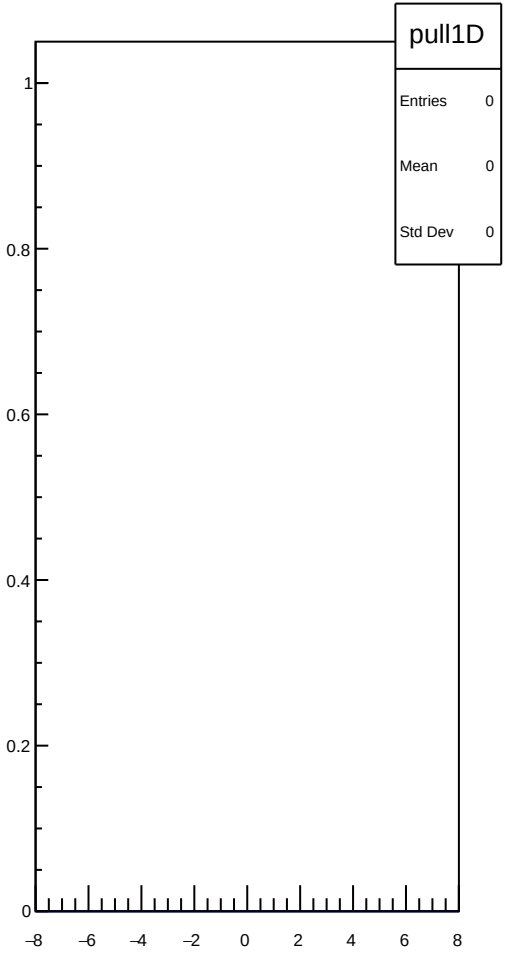

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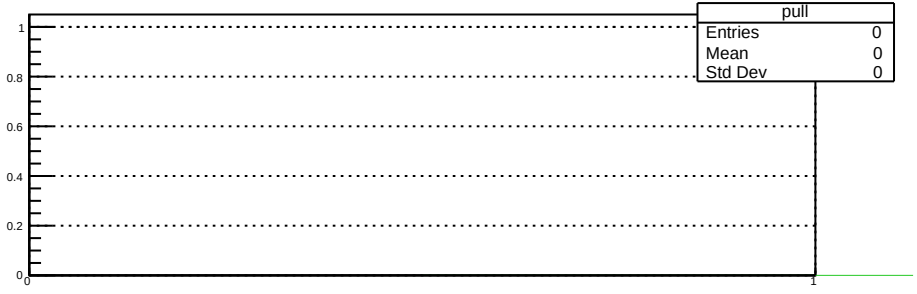

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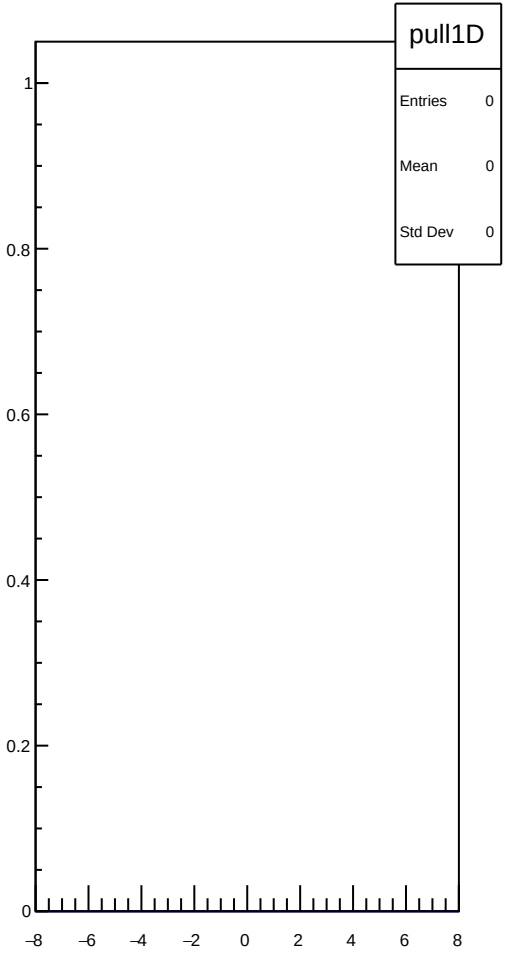

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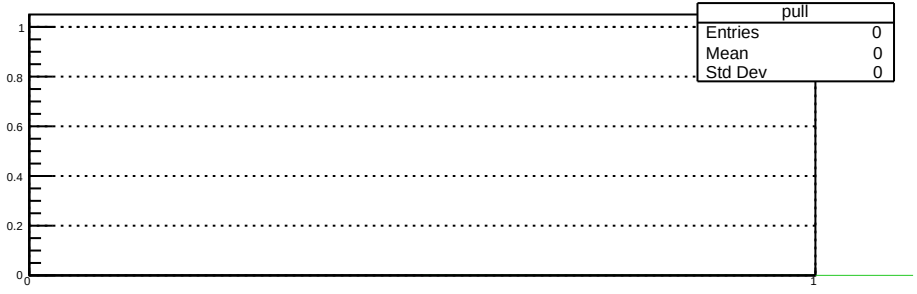

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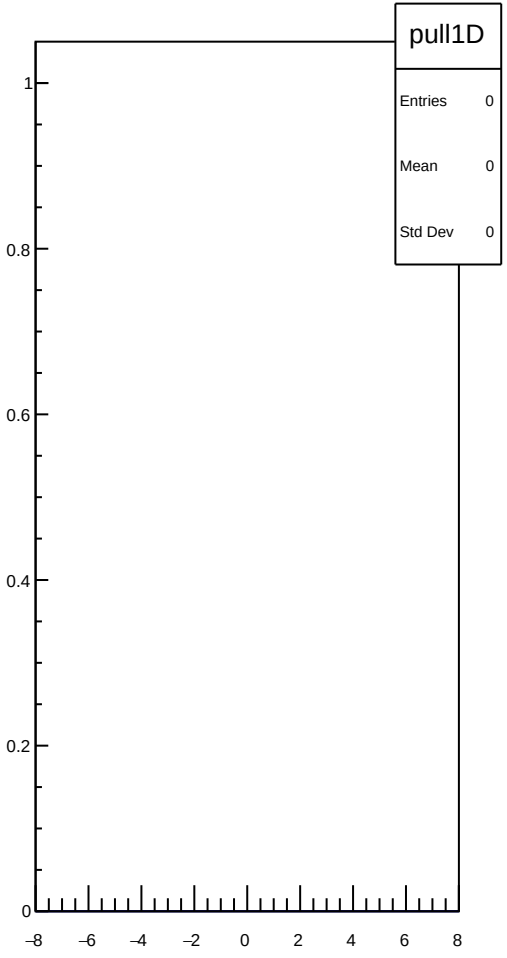

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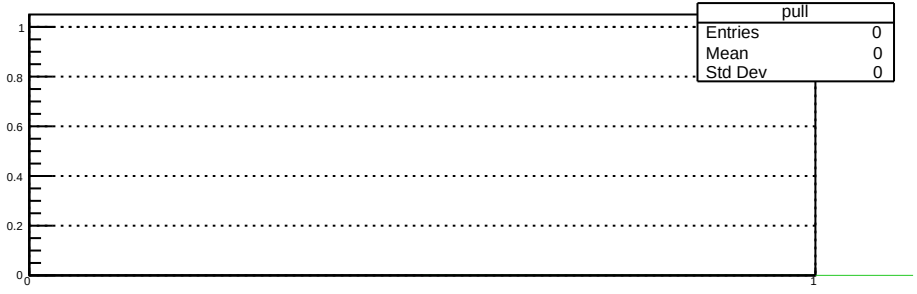

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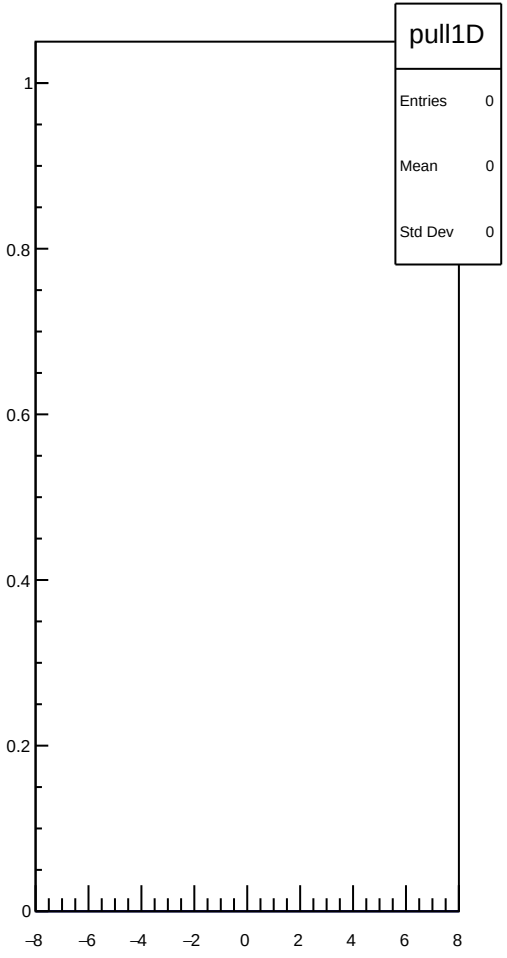

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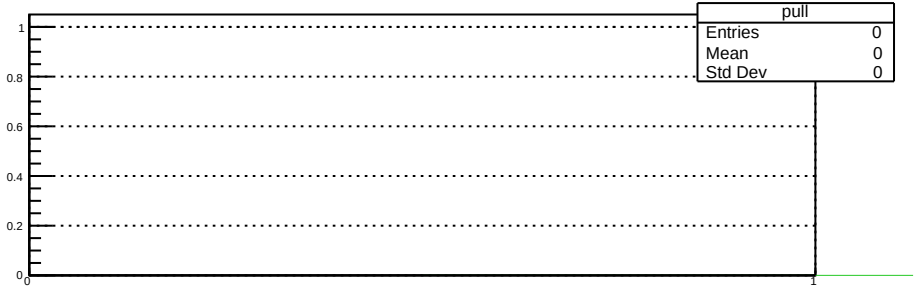

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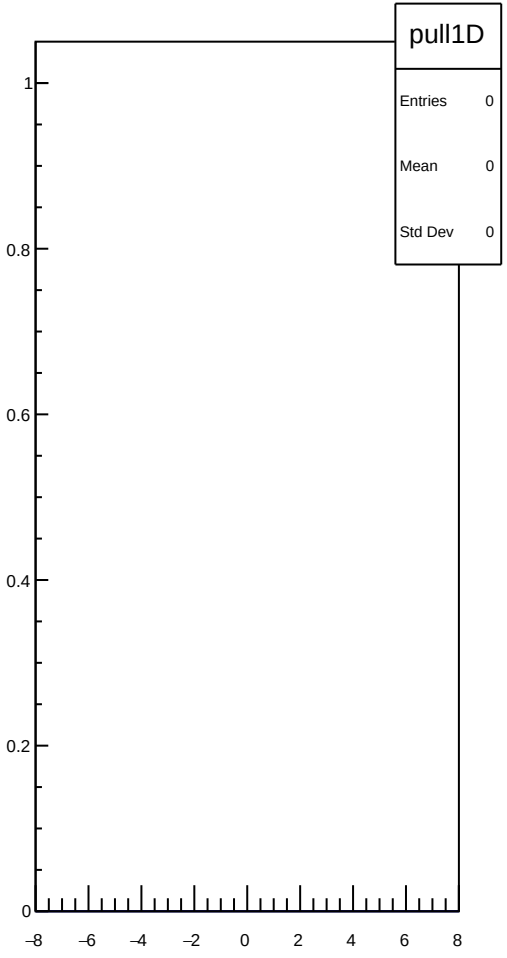

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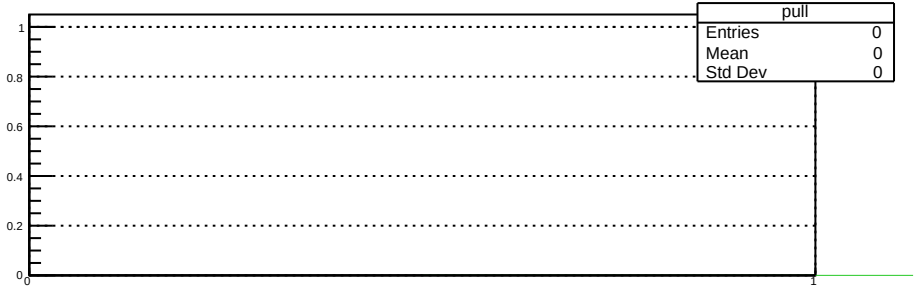

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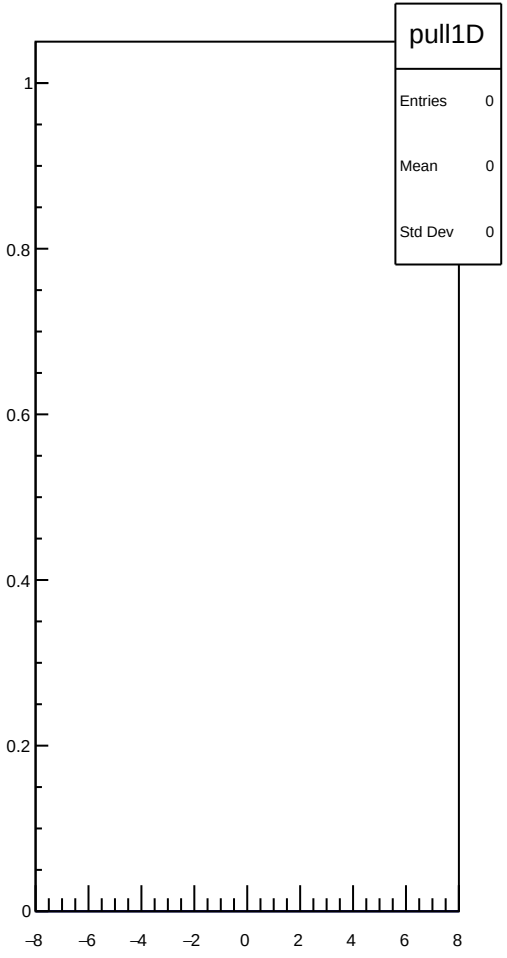

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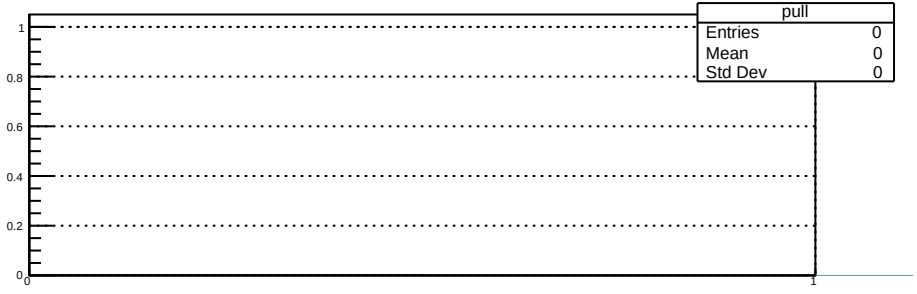

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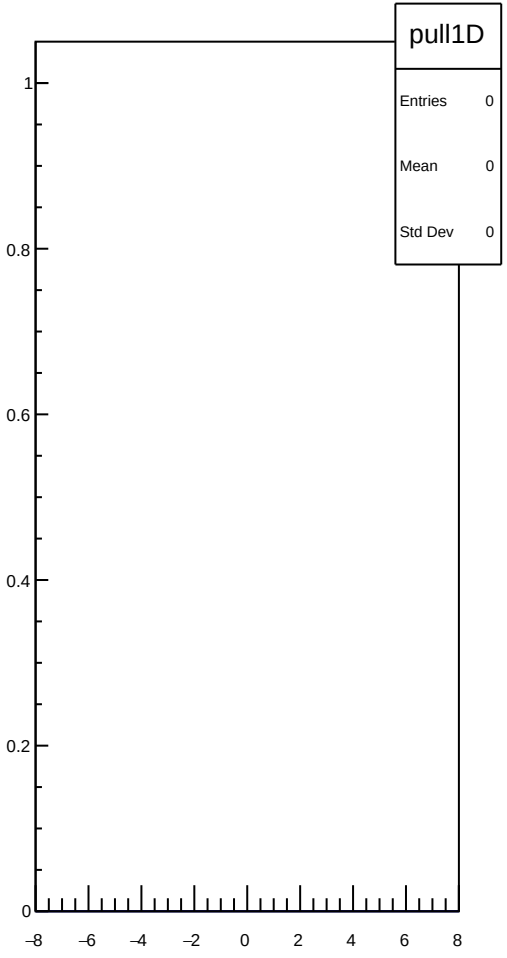

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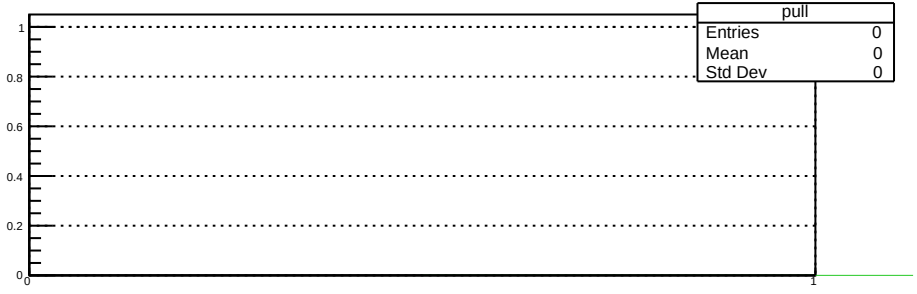

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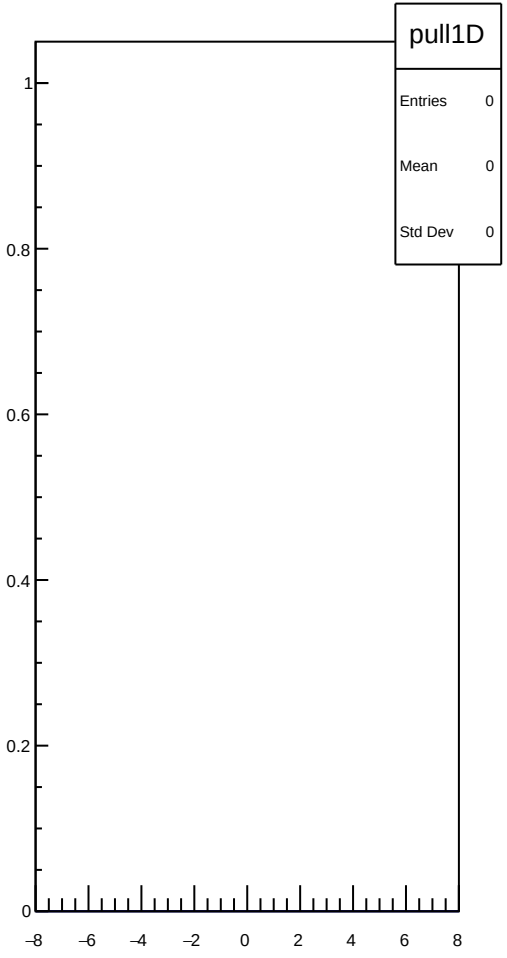

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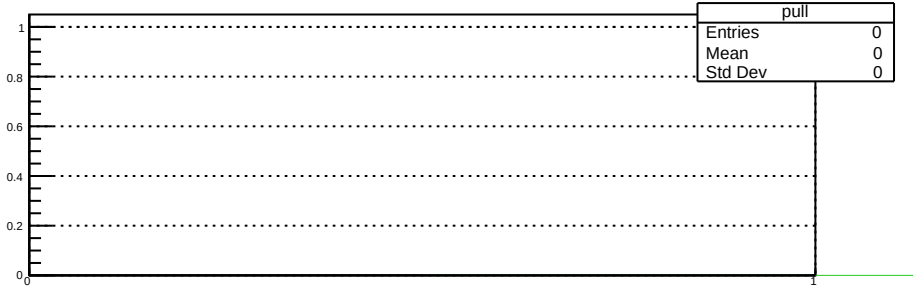

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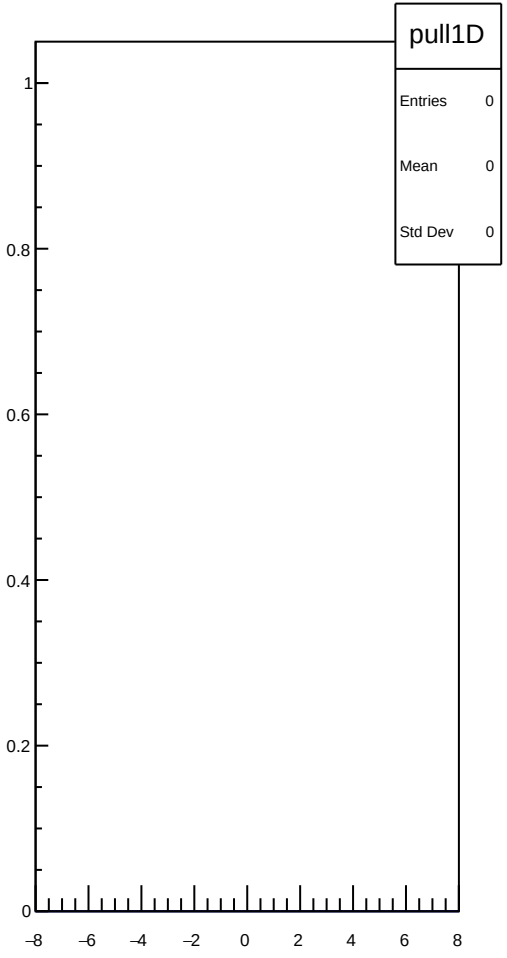

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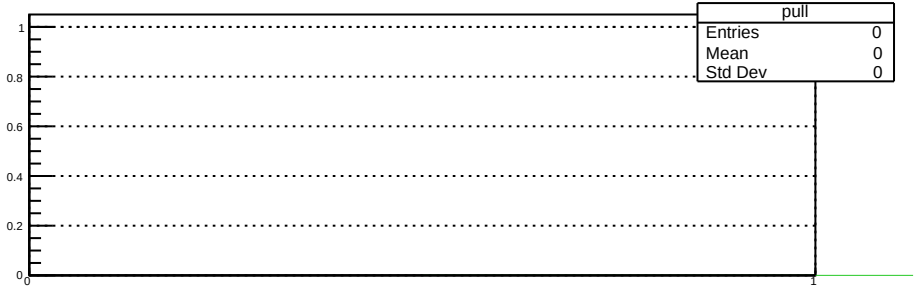

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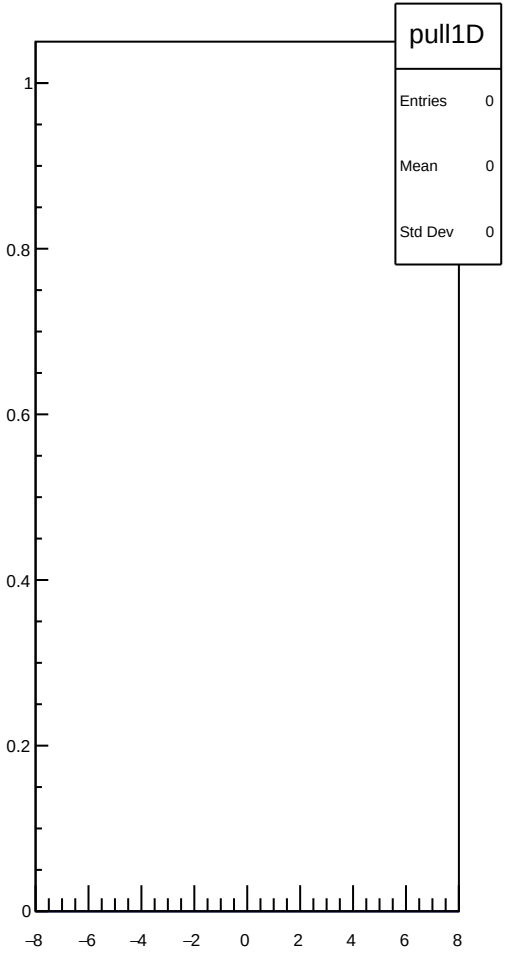

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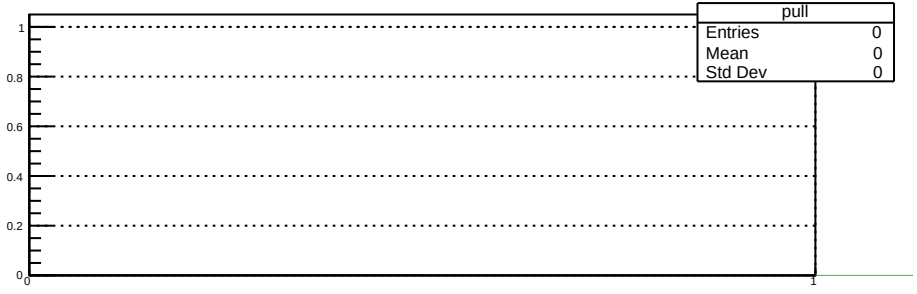

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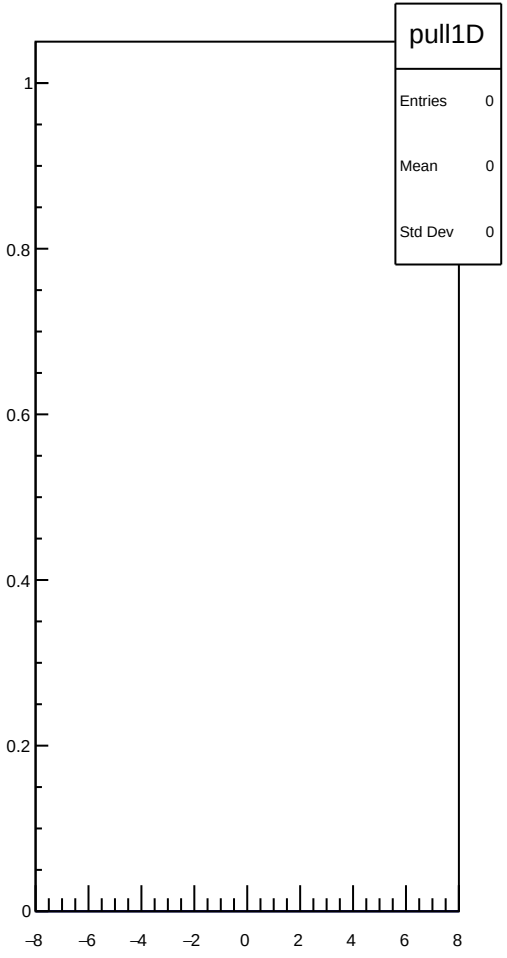

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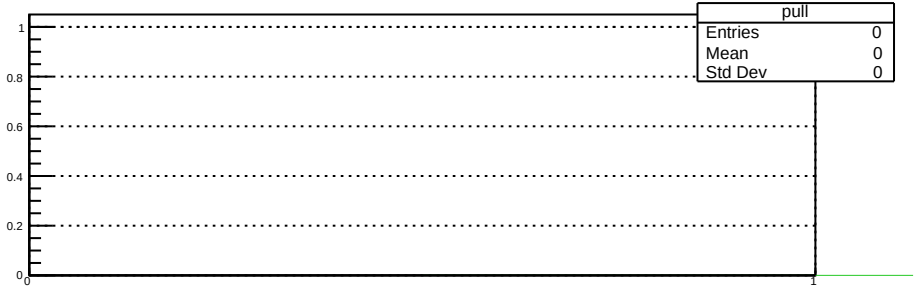

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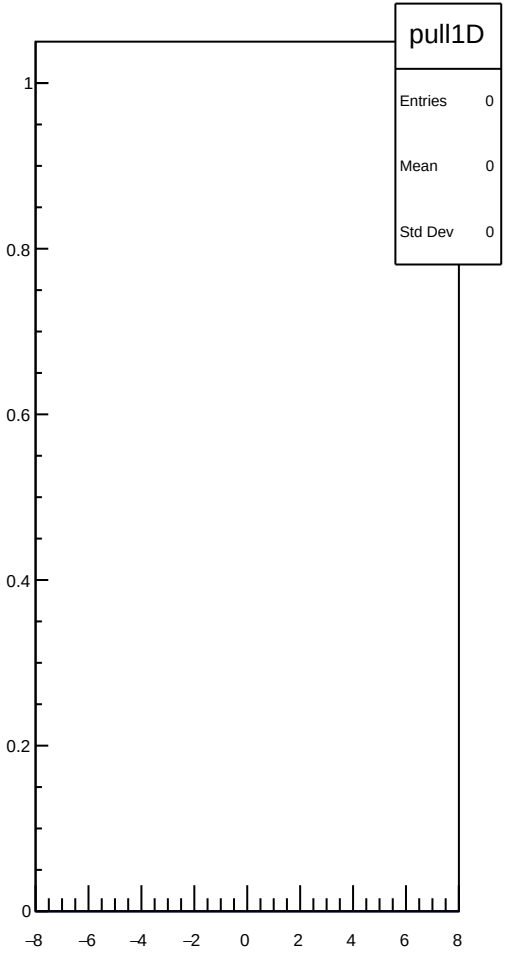

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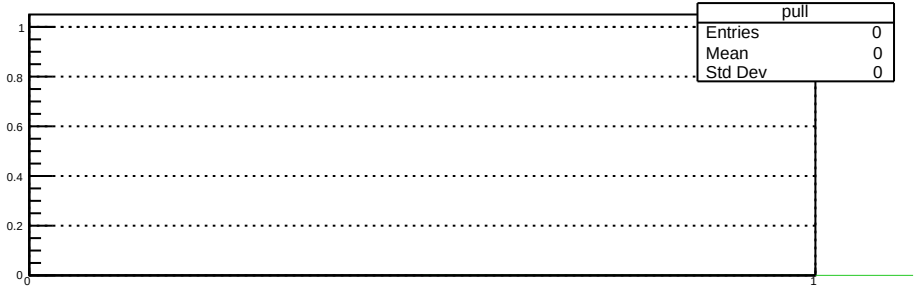

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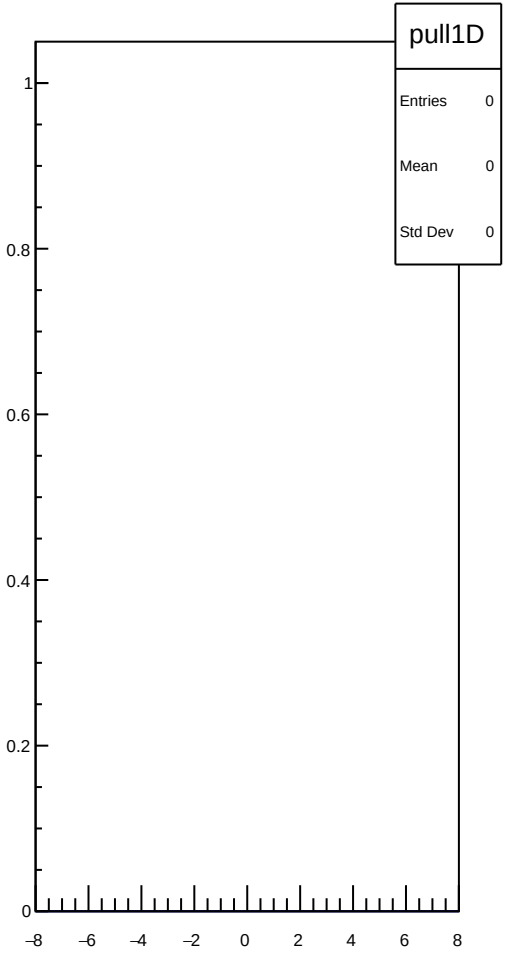

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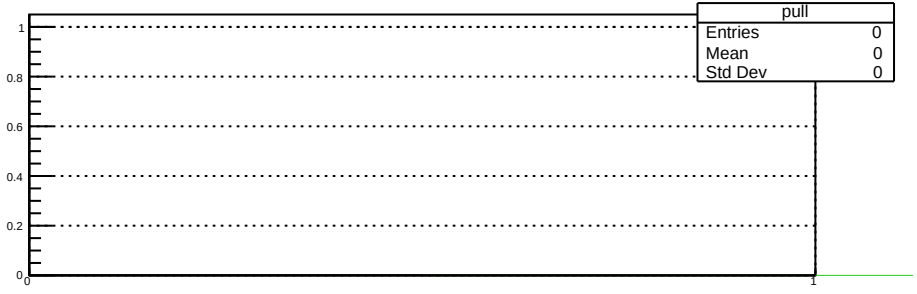

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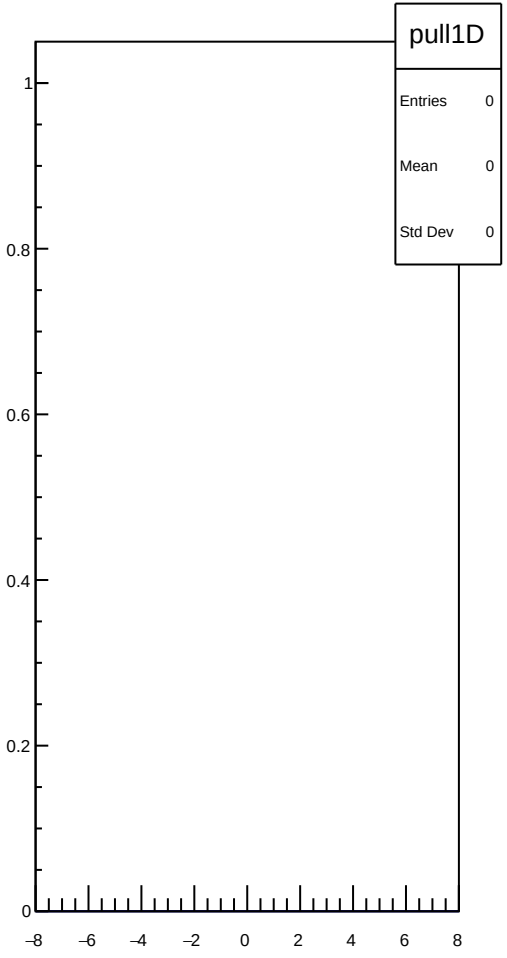

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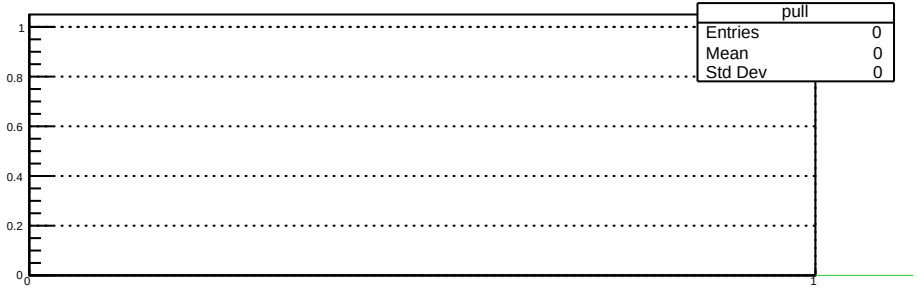

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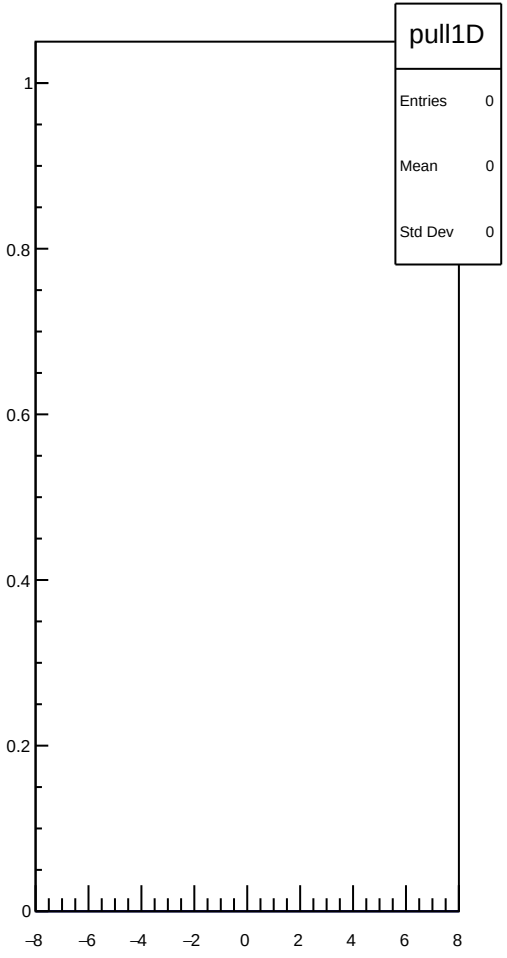

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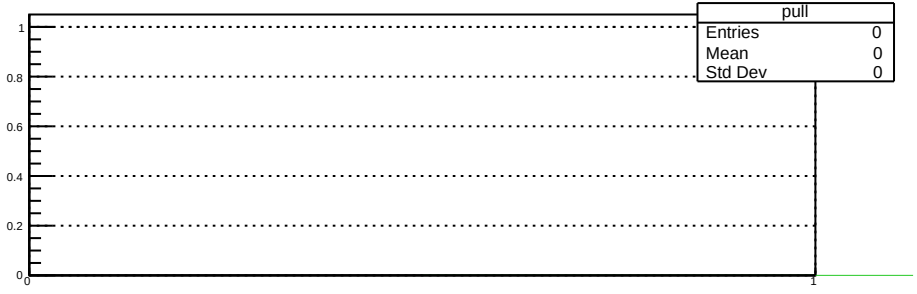

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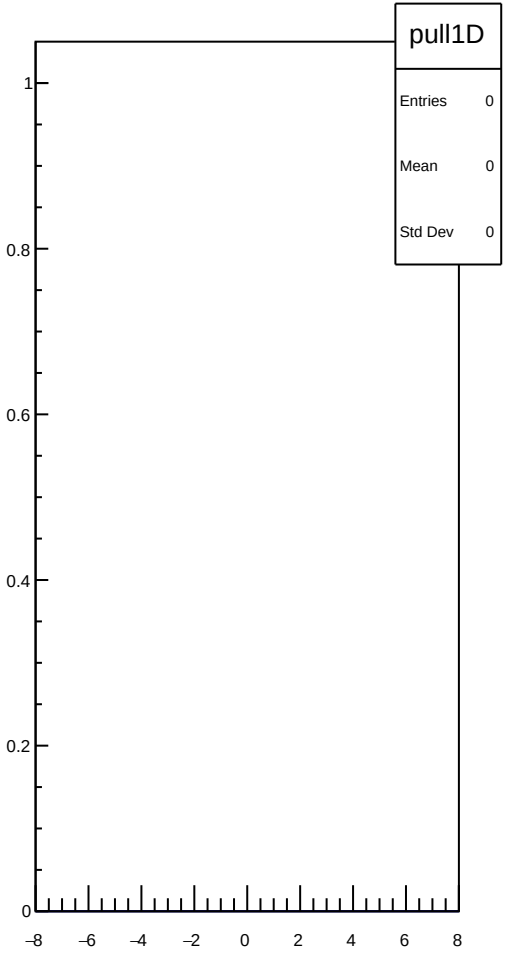

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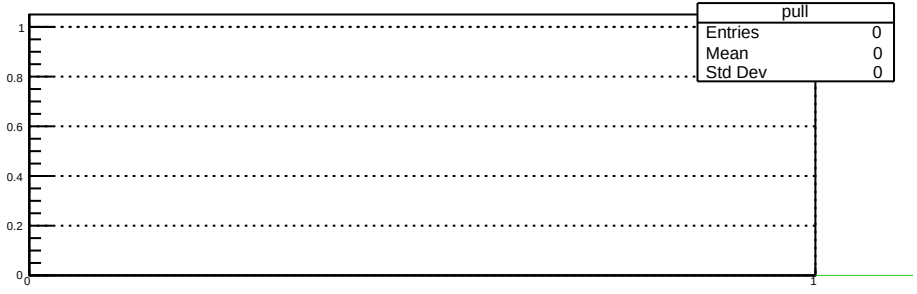

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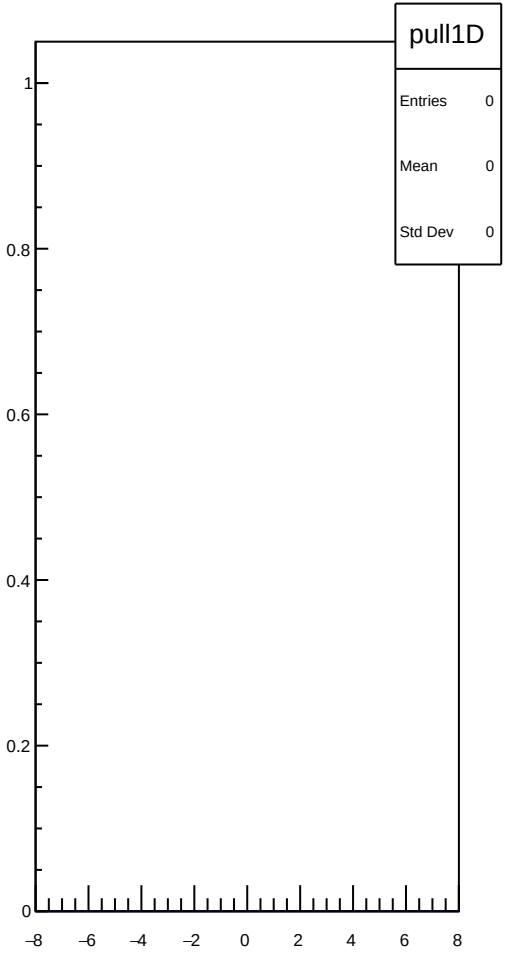

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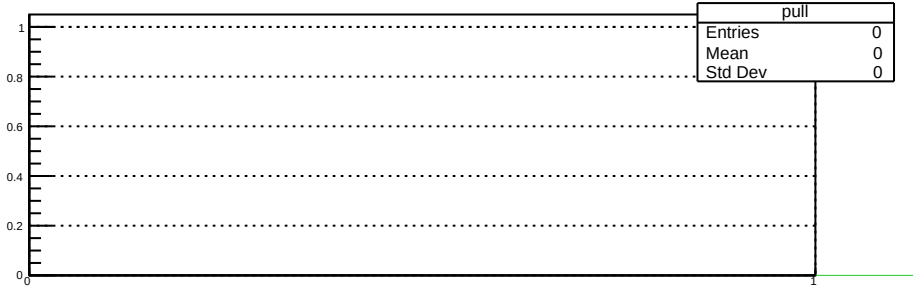

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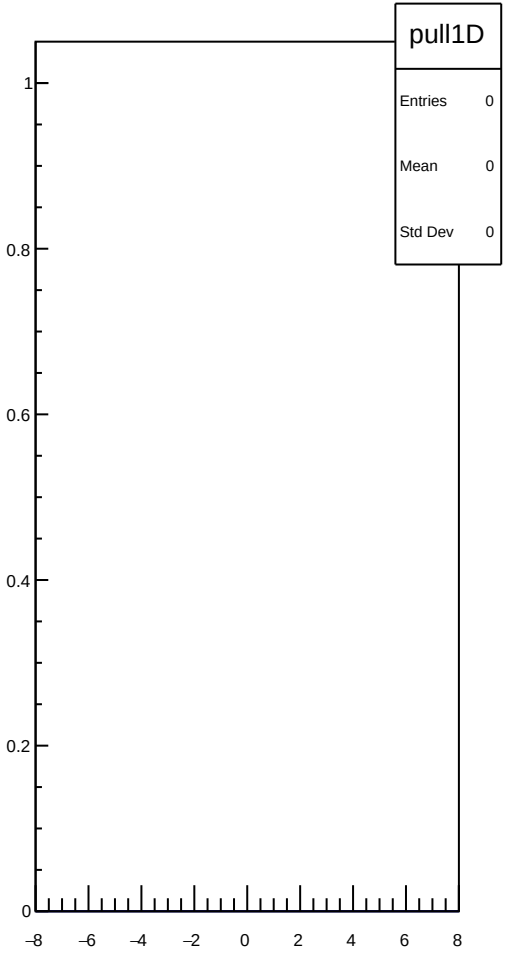

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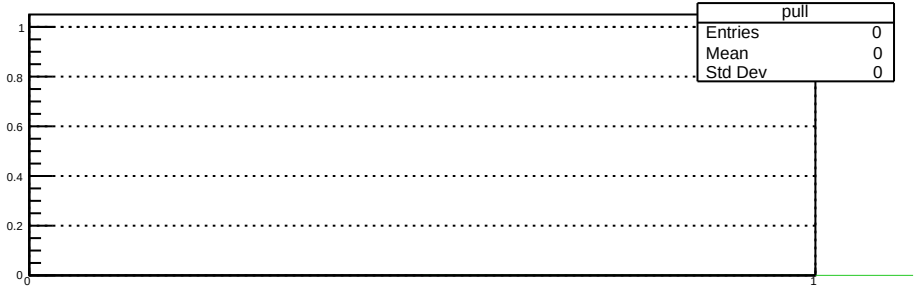

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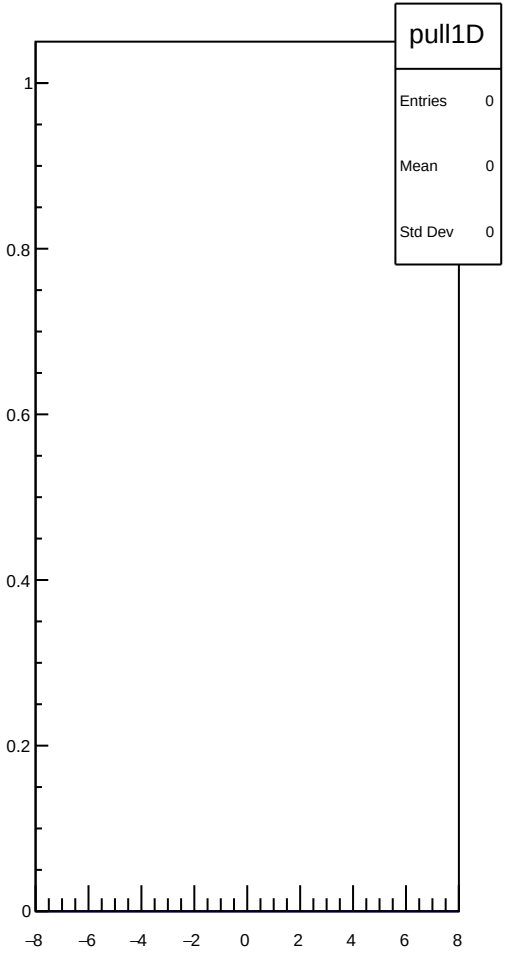

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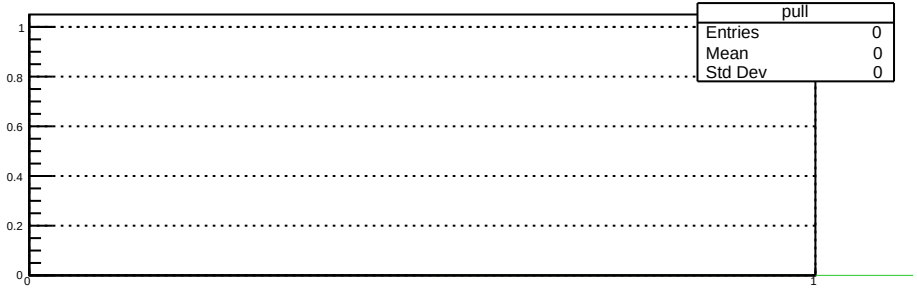

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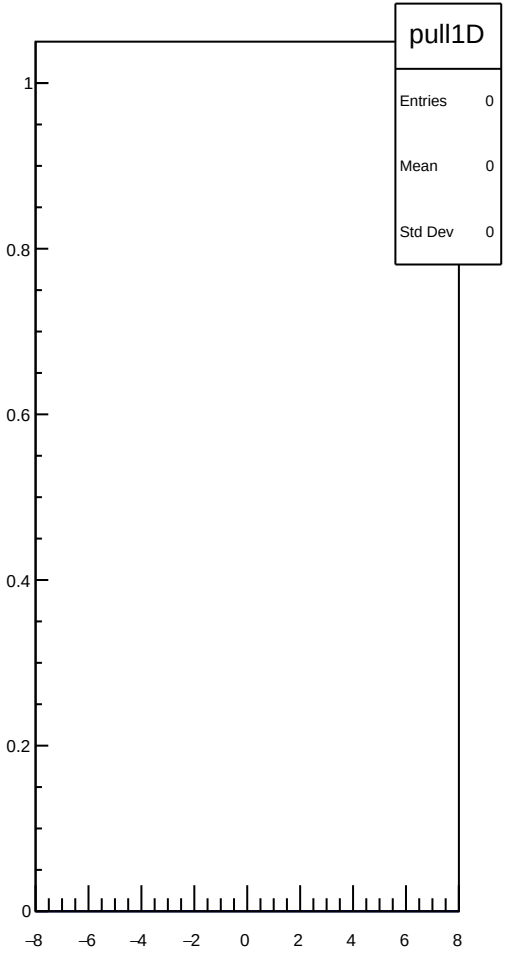

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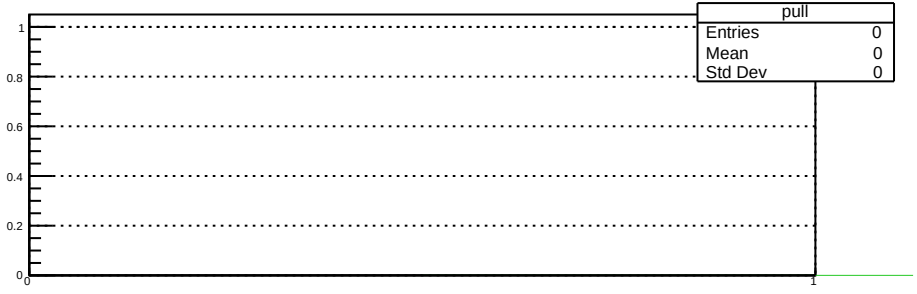

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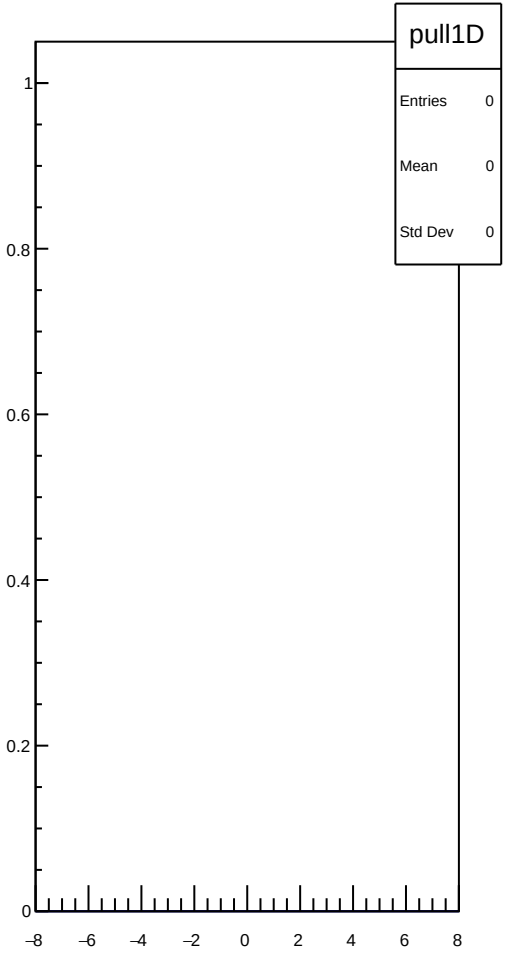

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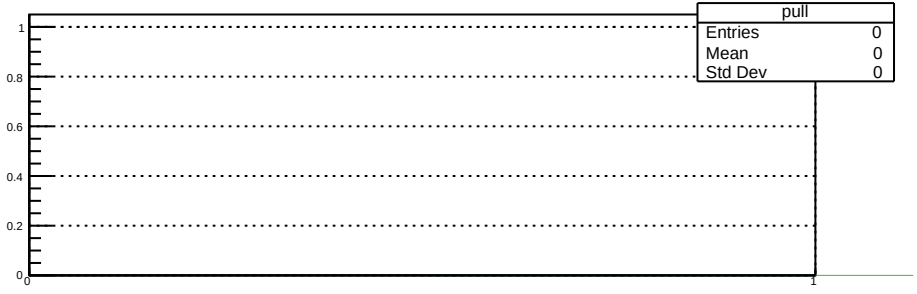

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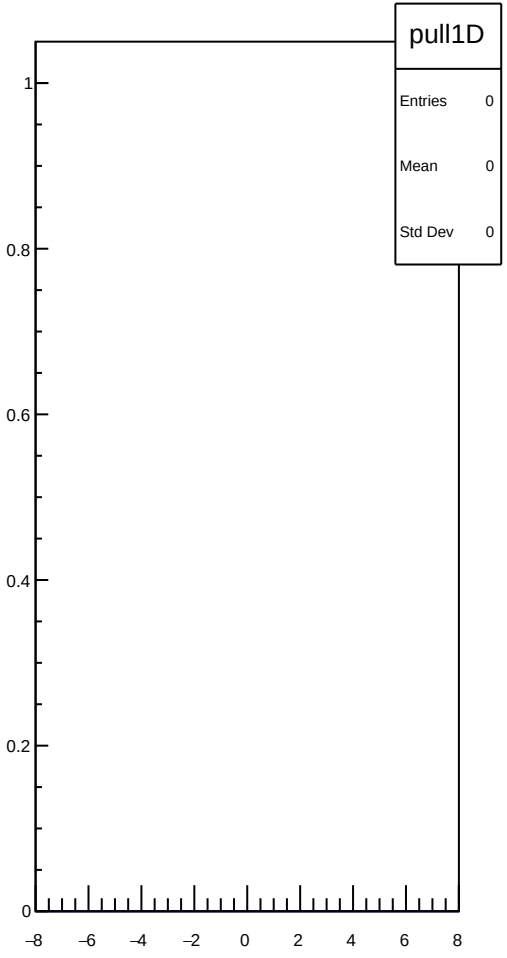

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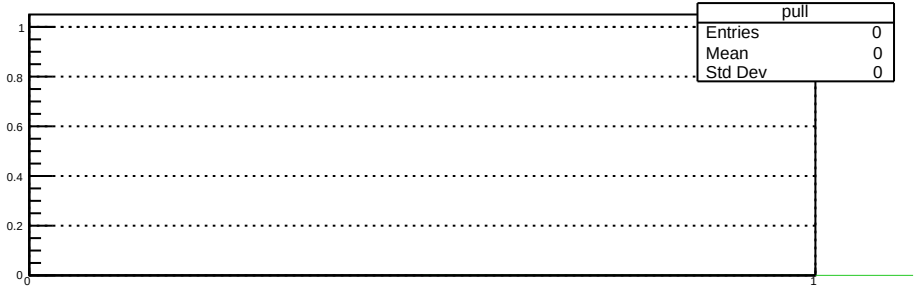

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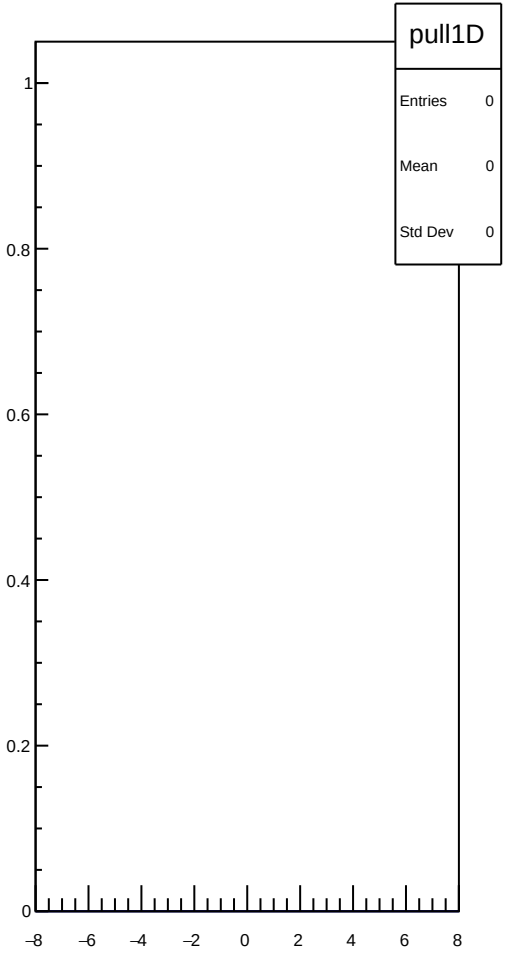

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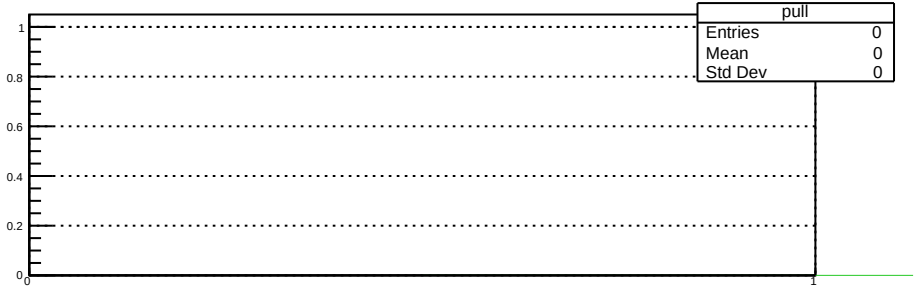

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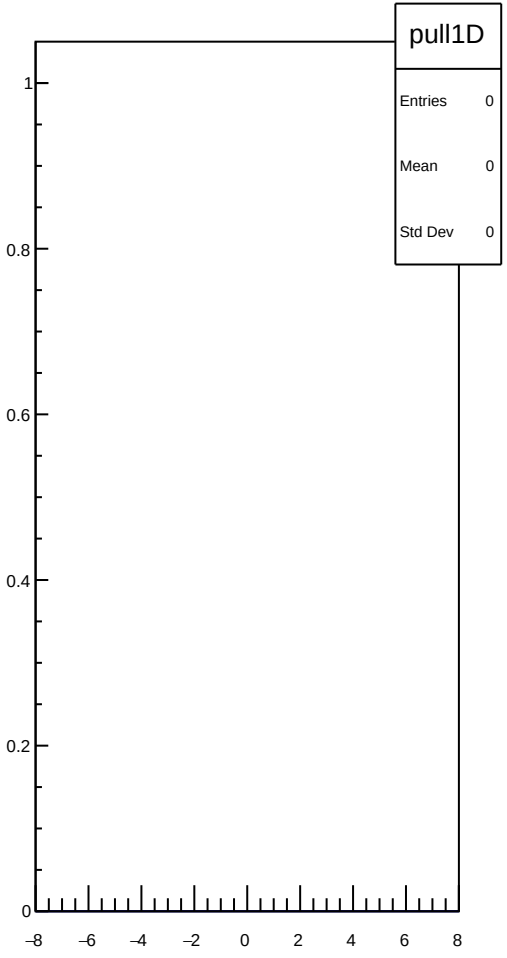

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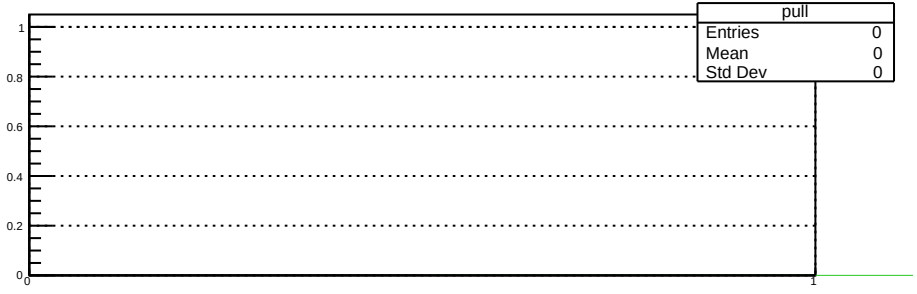

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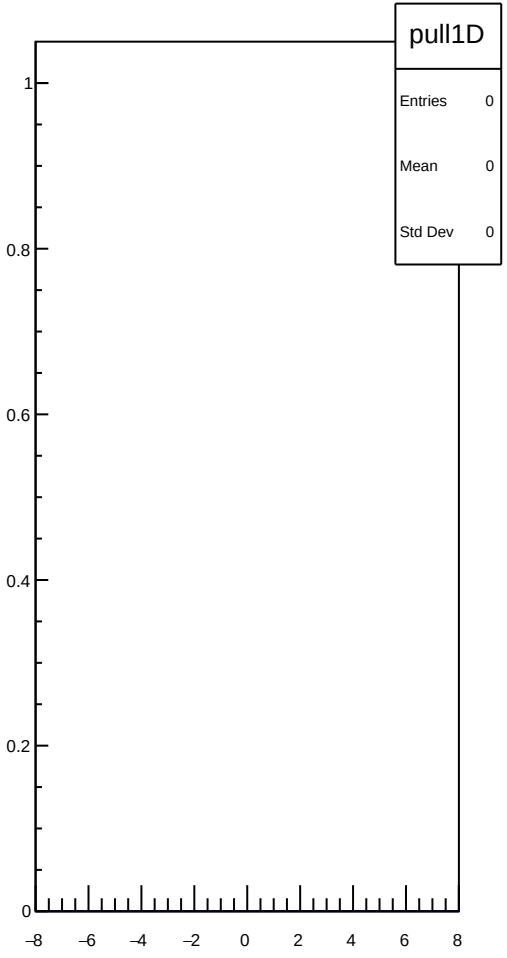

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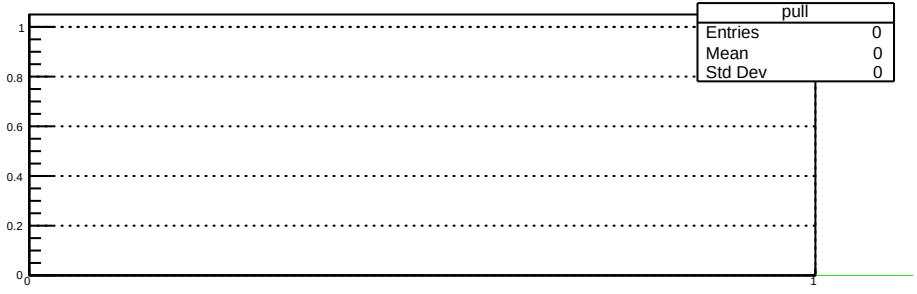

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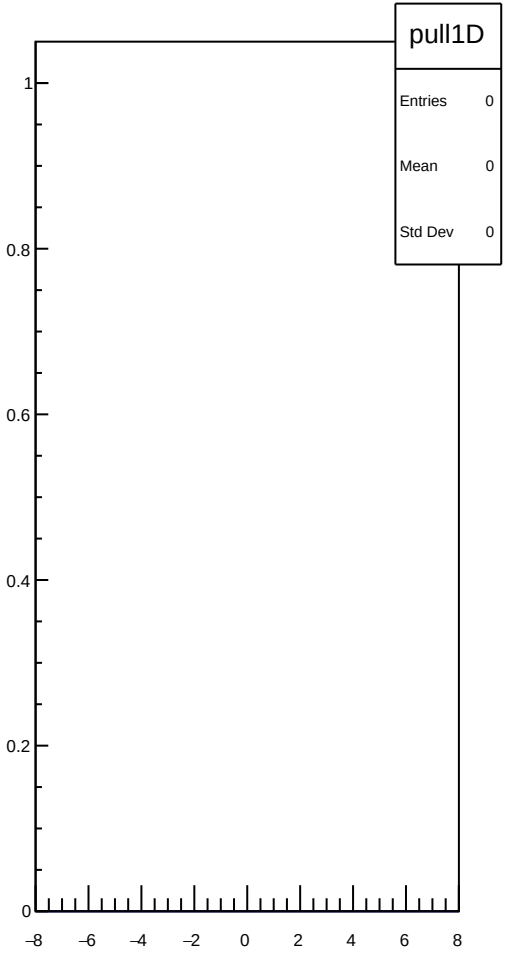

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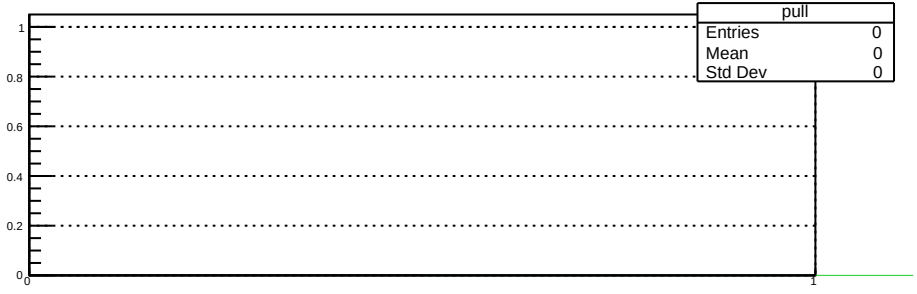

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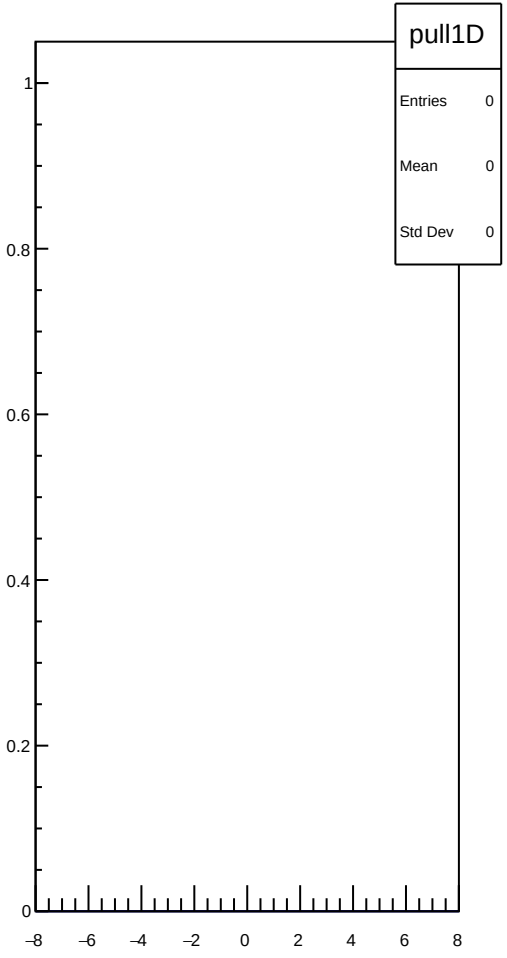

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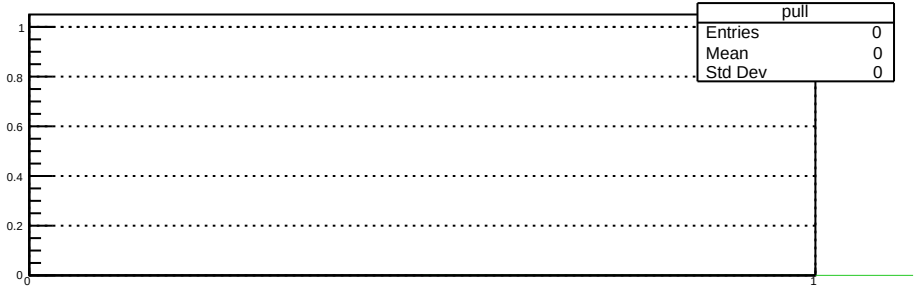

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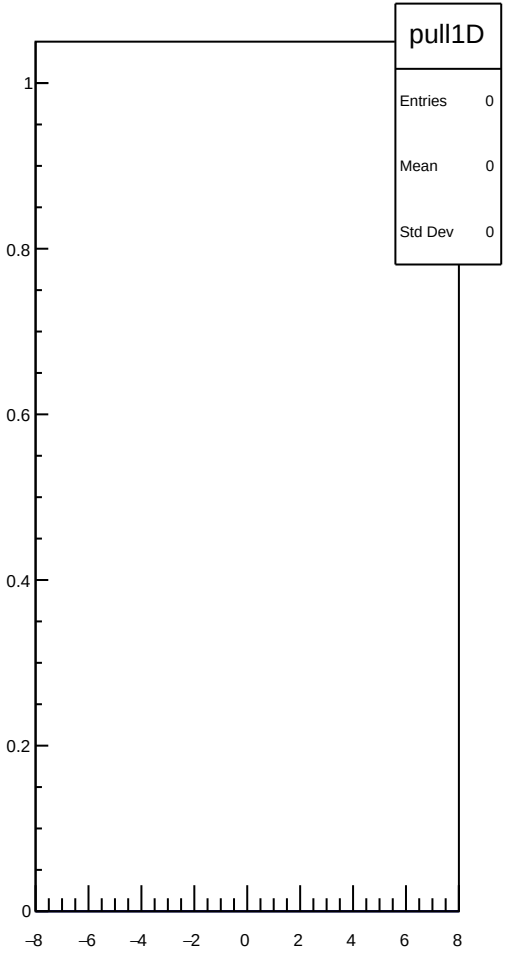

pull
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Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

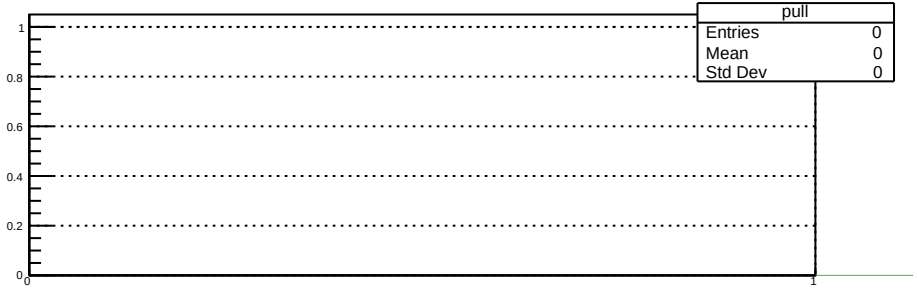

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

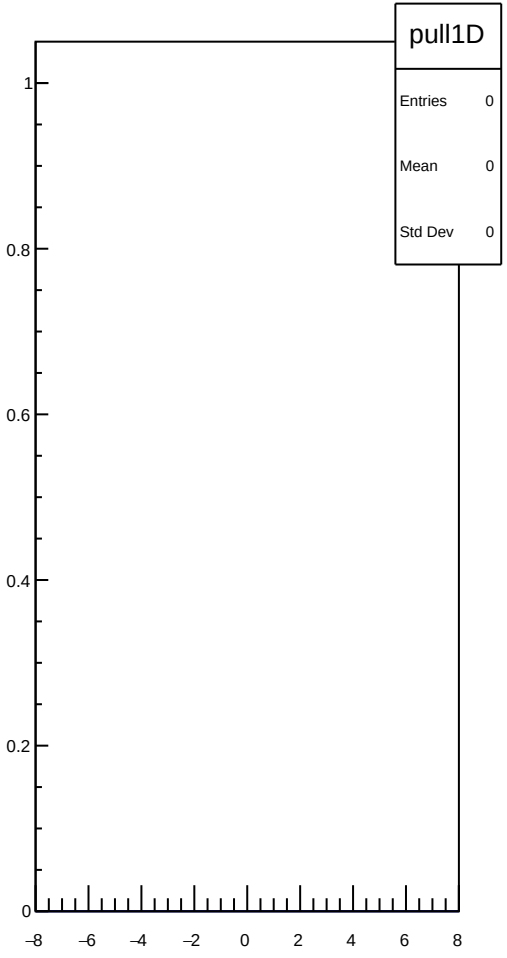

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

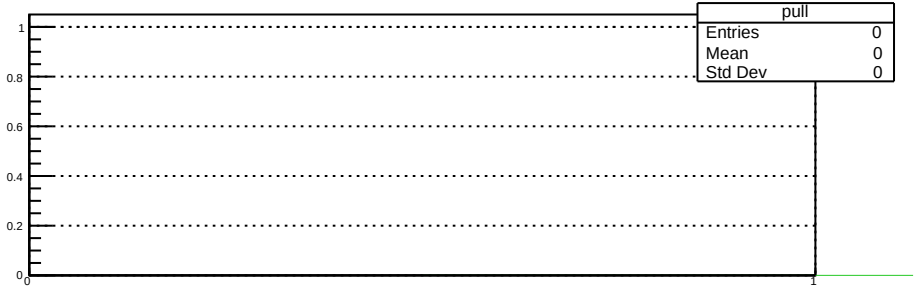

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

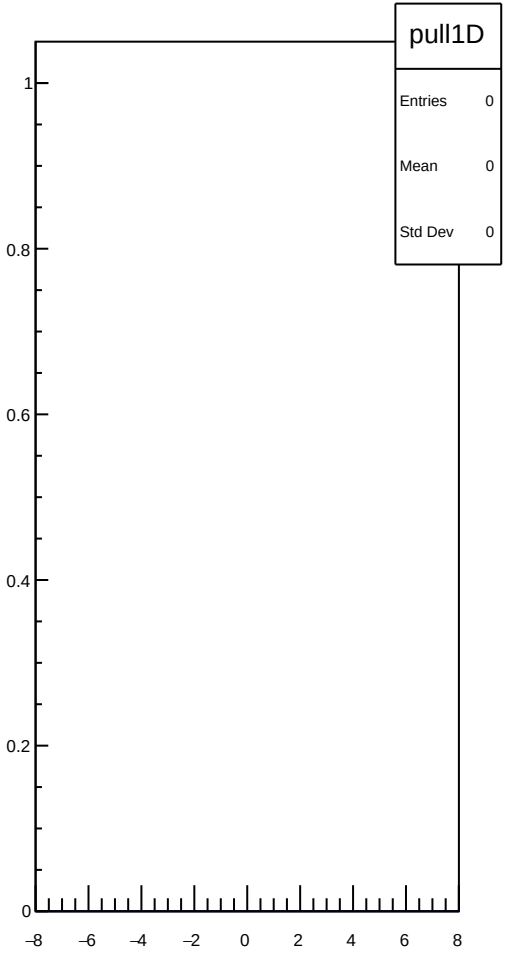

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

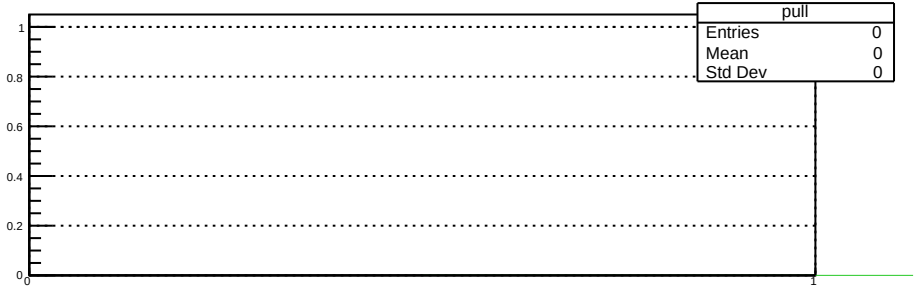

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

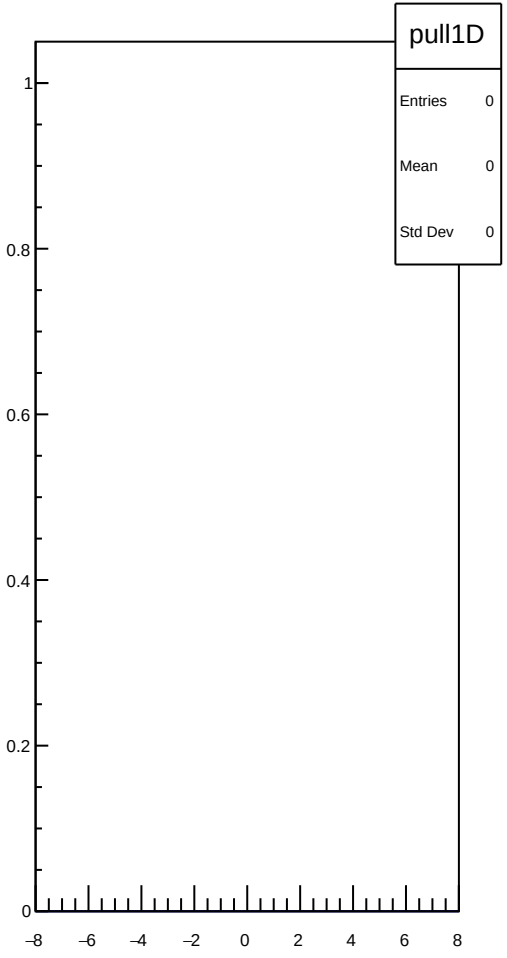

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

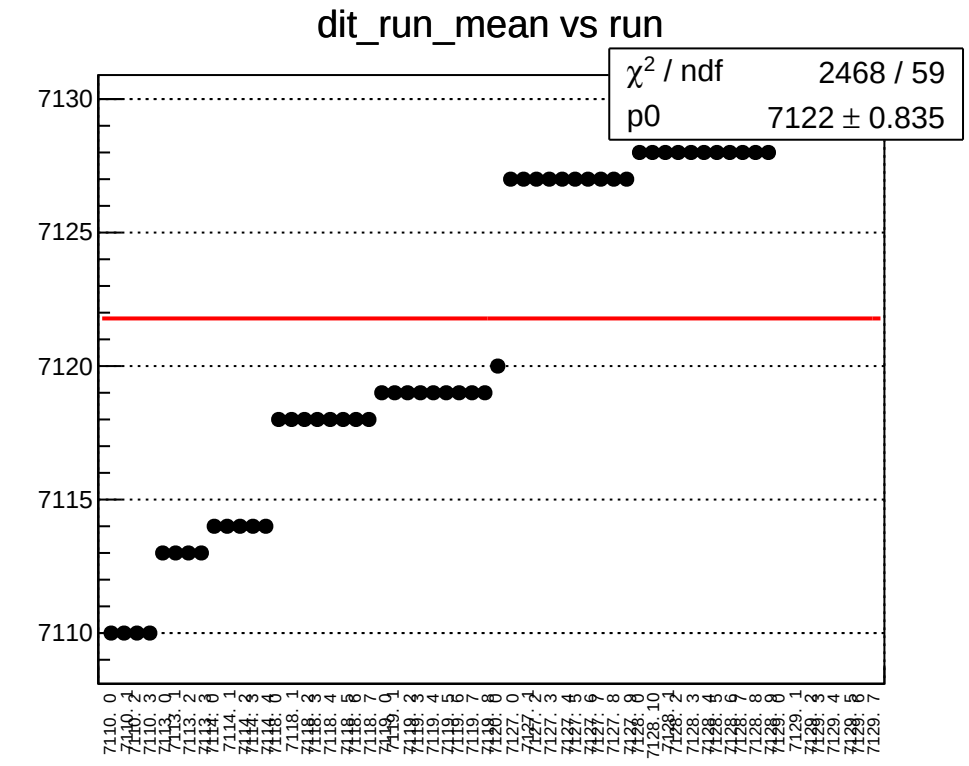

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

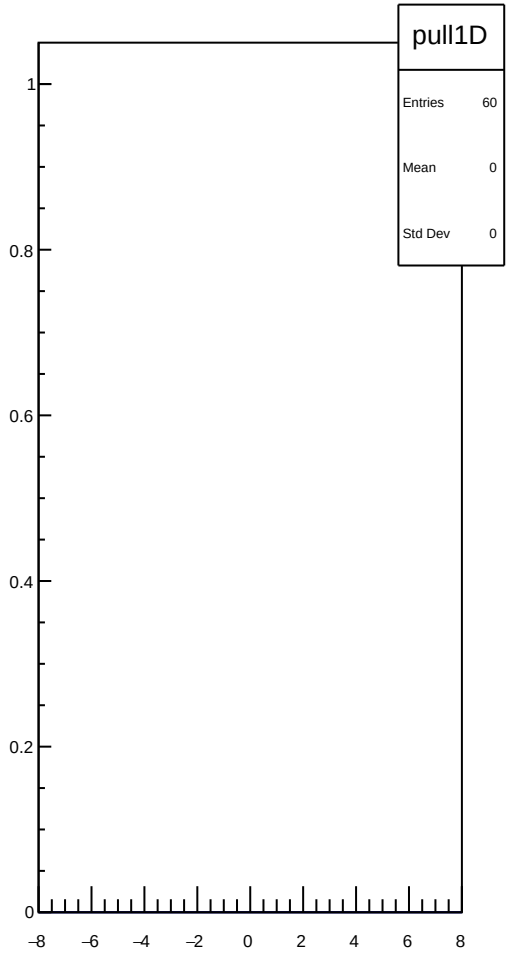

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

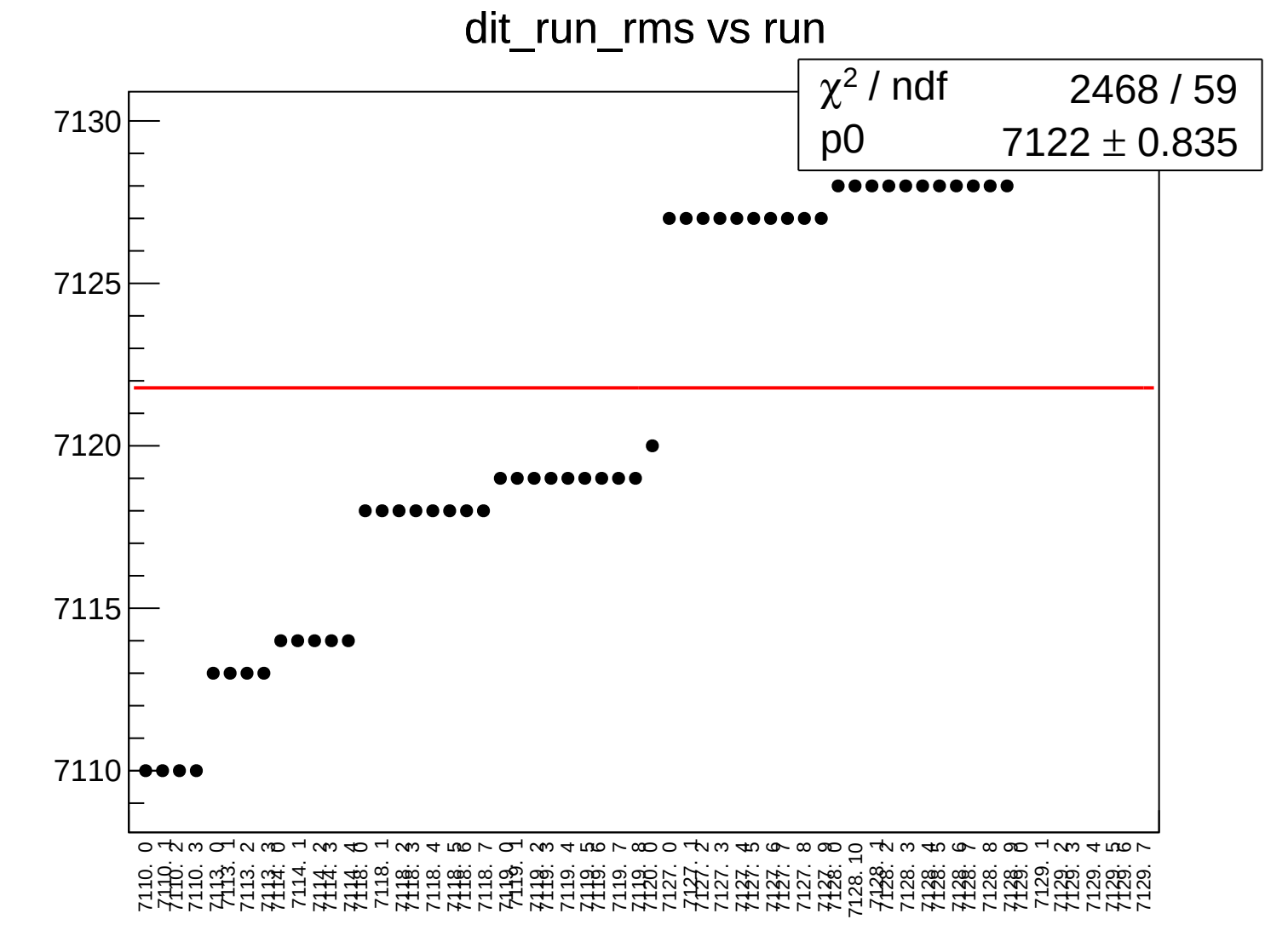

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

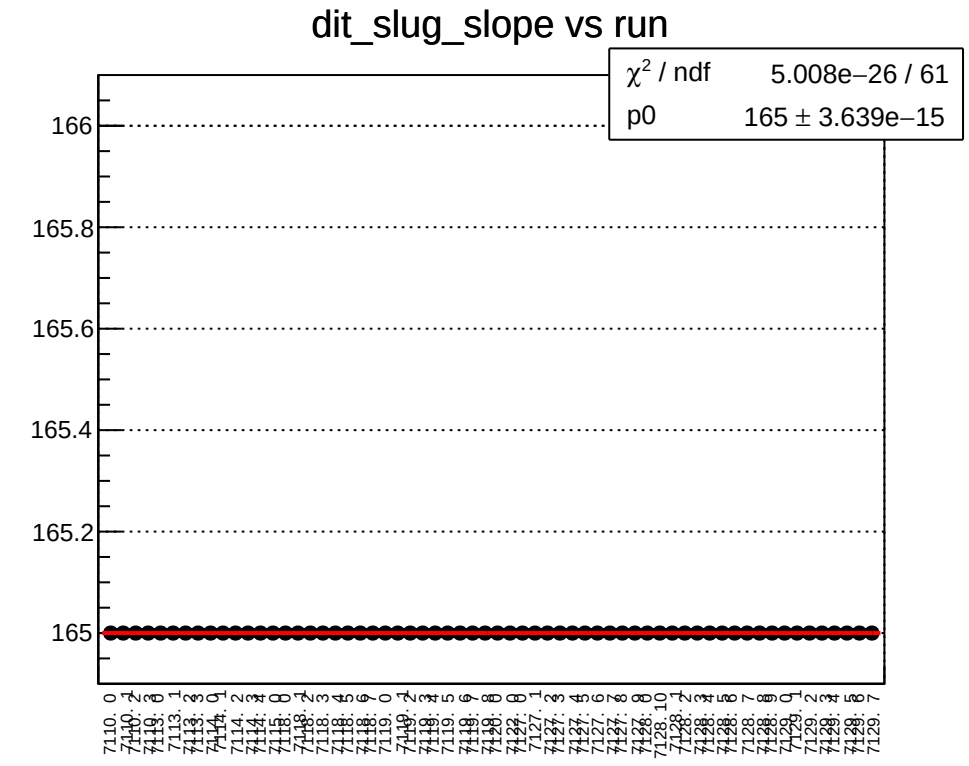

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

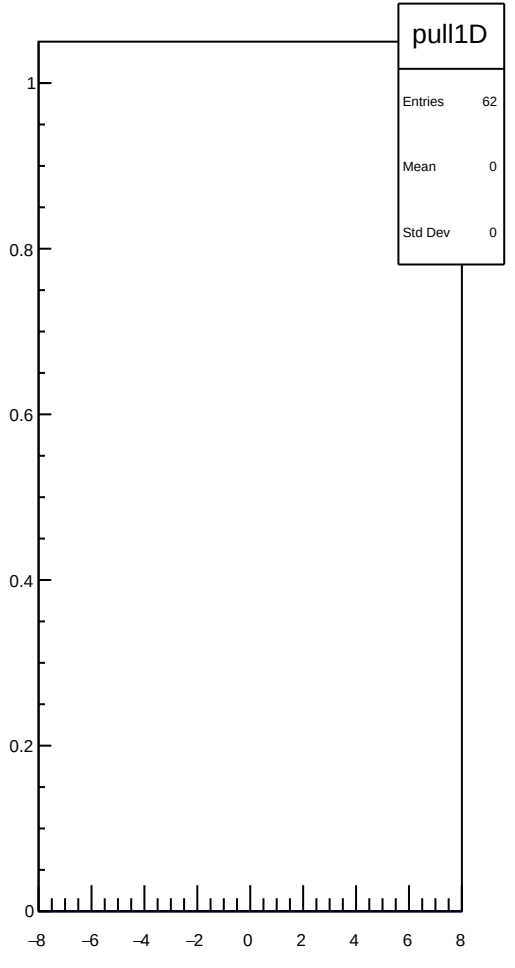

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

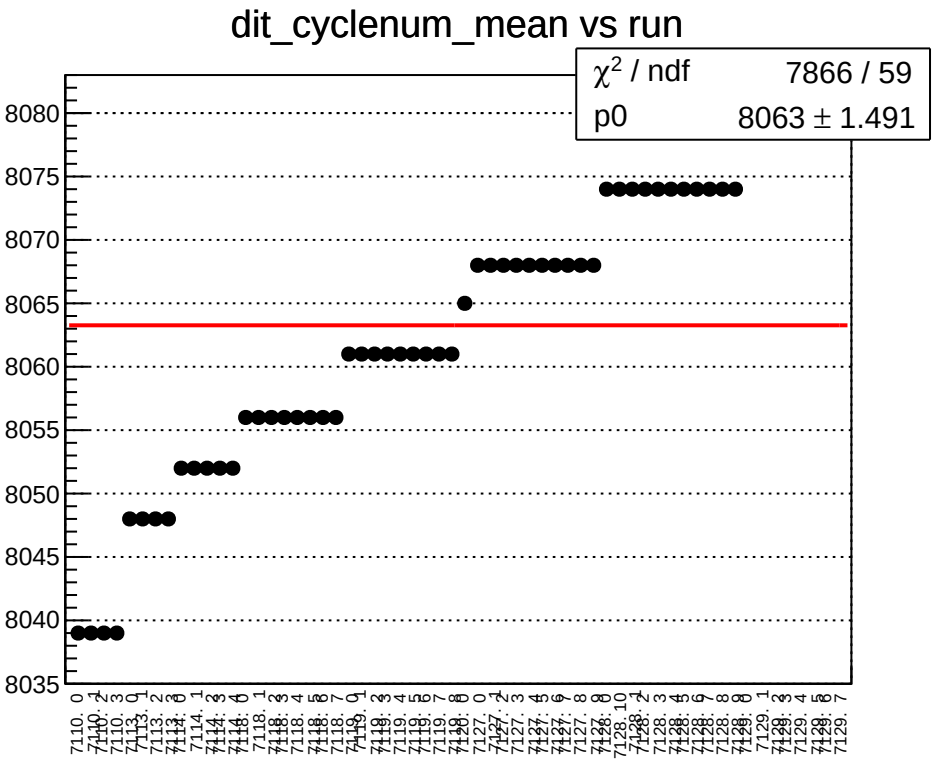

dit_run_mean vs run
χ² / ndf 2468 / 59
p0 7122 ± 0.835
7130
7125
7120
7115
7110

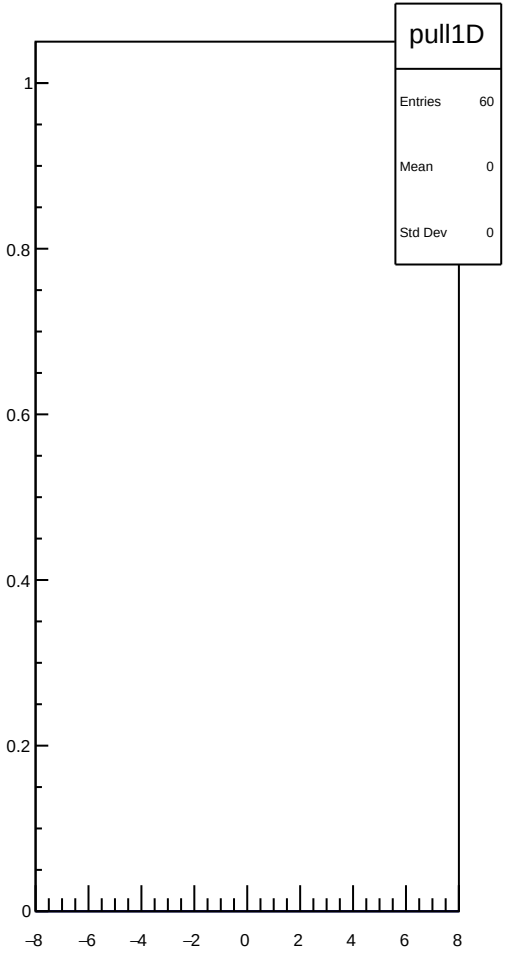

pull1D
Entries 60
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

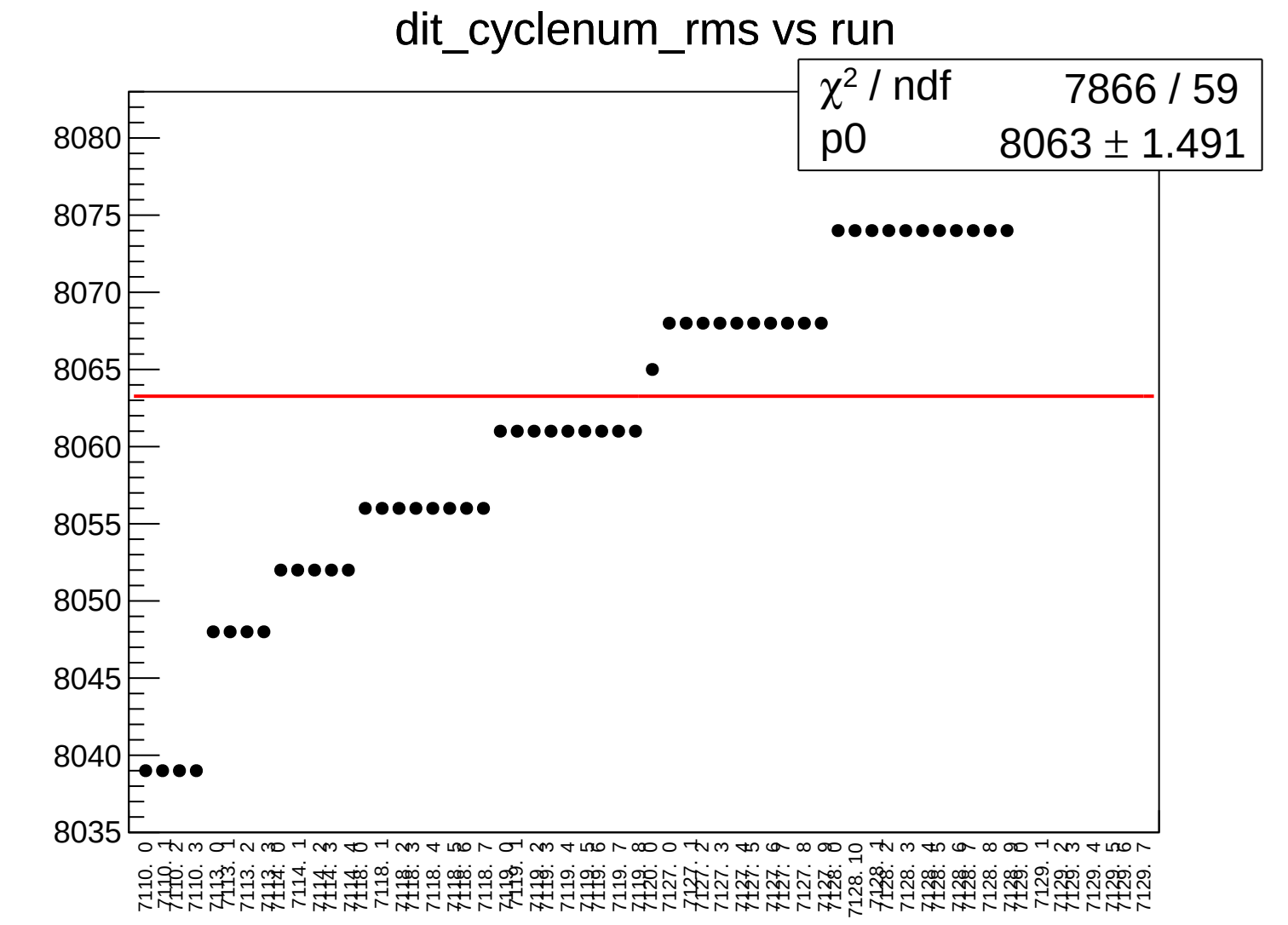

dit_run_rms vs run
χ^2 / ndf 2468 / 59
p0 7122 ± 0.835
7130
7125
7120
7115
7110

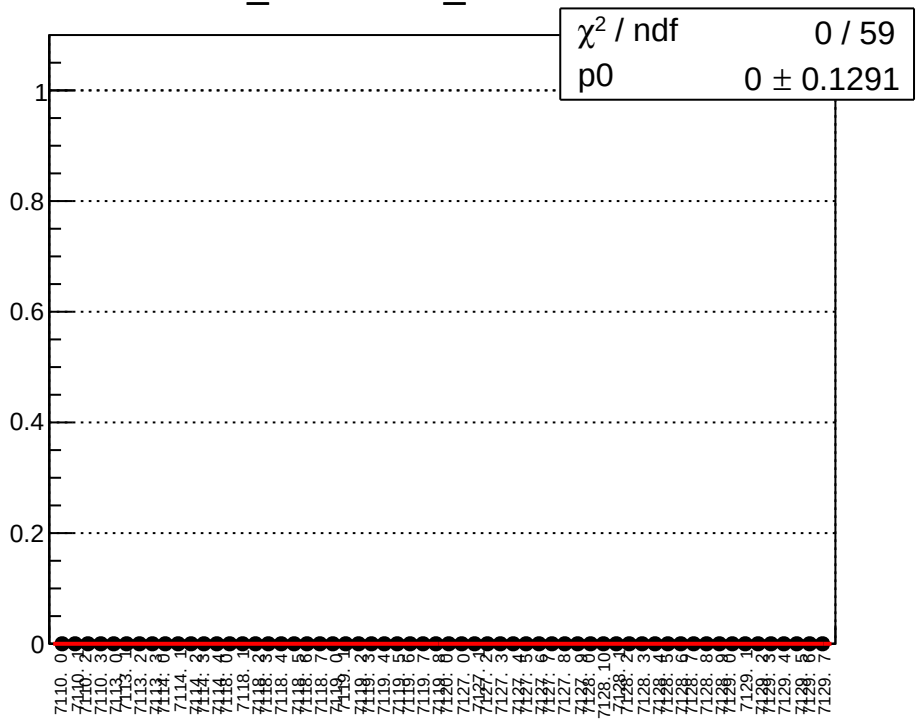

dit_slug_slope vs run
χ² / ndf 5.008e−26 / 61
p0 165 ± 3.639e−15
166
165.8
165.6
165.4
165.2
165

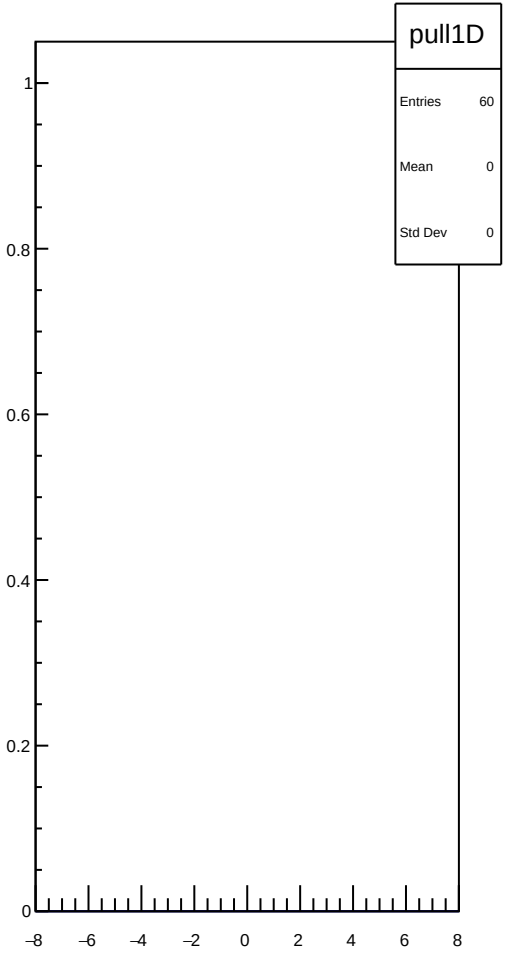

pull1D
Entries 62
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

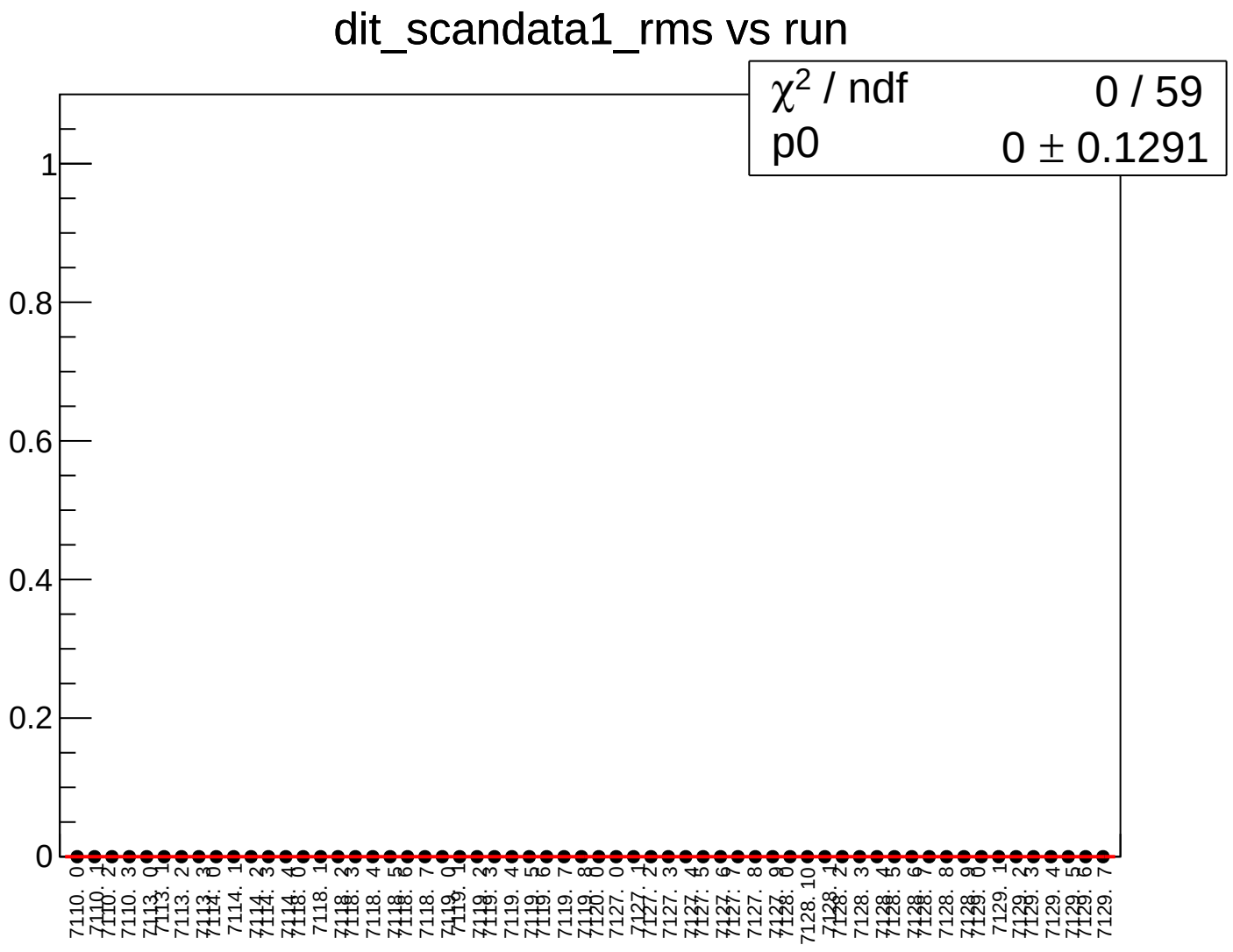

dit_cyclenum_mean vs run
χ² / ndf 7866 / 59
p0 8063 ± 1.491
8080
8075
8070
8065
8060
8055
8050
8045
8040
8035

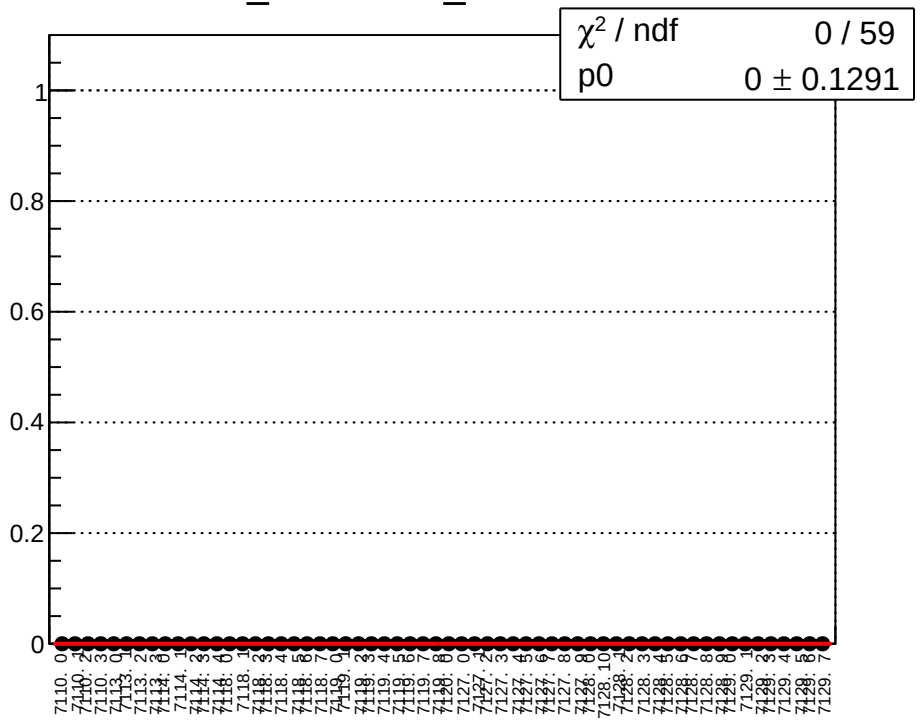

pull1D
Entries 60
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

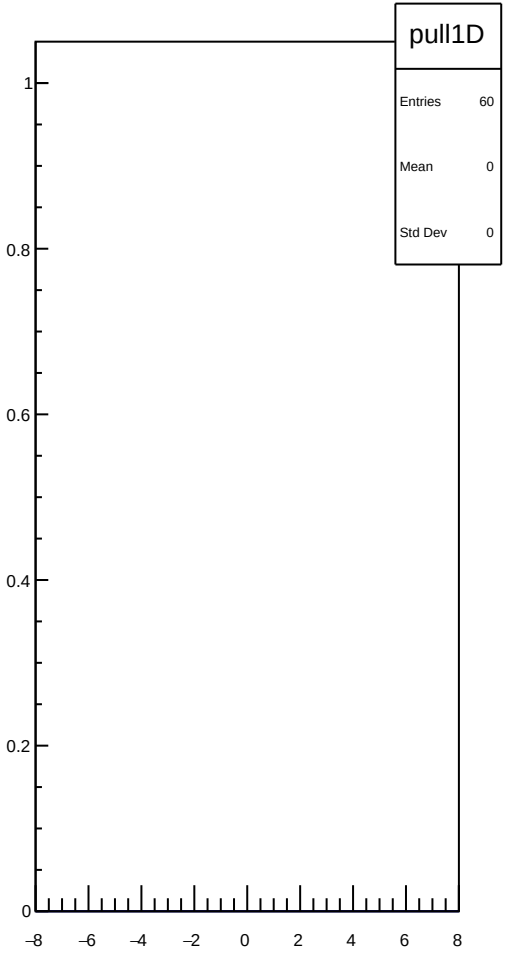

dit_cyclenum_rms vs run
χ² / ndf 7866 / 59
p0 8063 ± 1.491
8080
8075
8070
8065
8060
8055
8050
8045
8040
8035

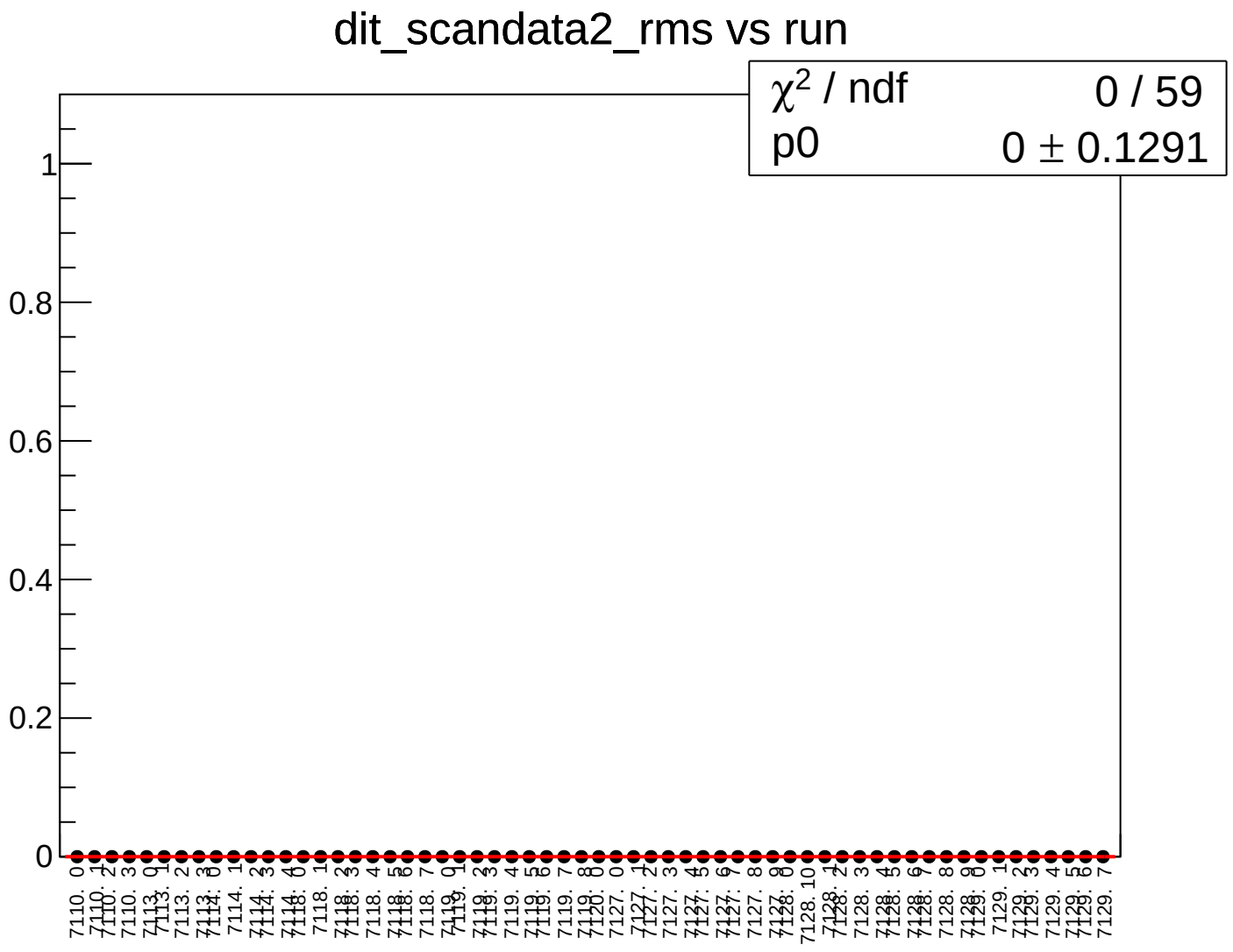

dit_scandata1_mean vs run
χ² / ndf 0 / 59
p0 0 ± 0.1291
1
0.8
0.6
0.4
0.2
0

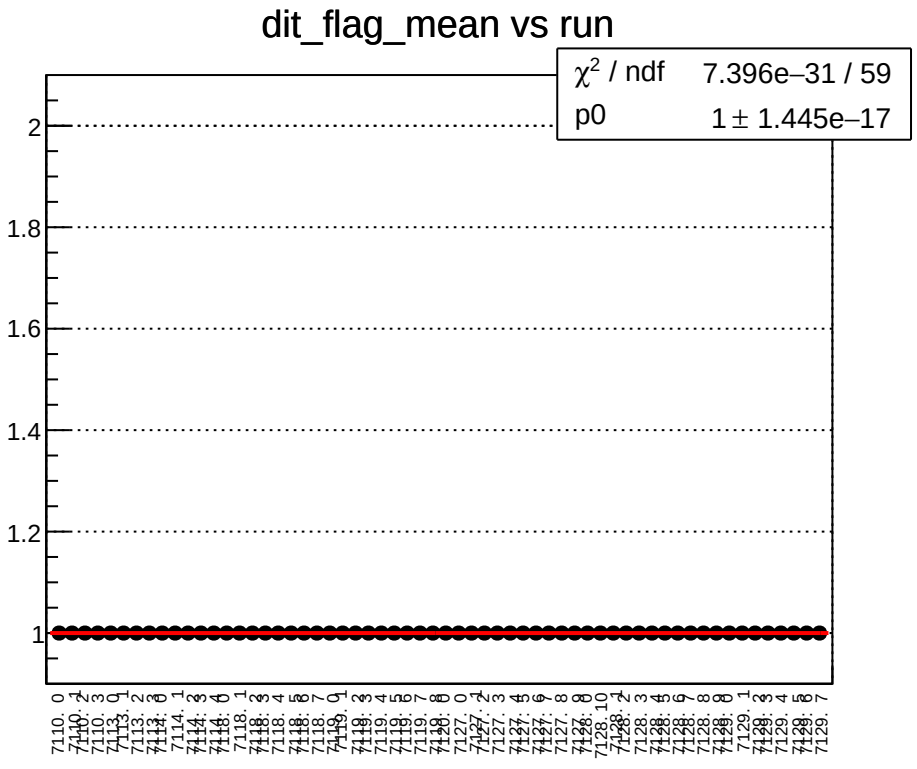

pull1D
Entries 60
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

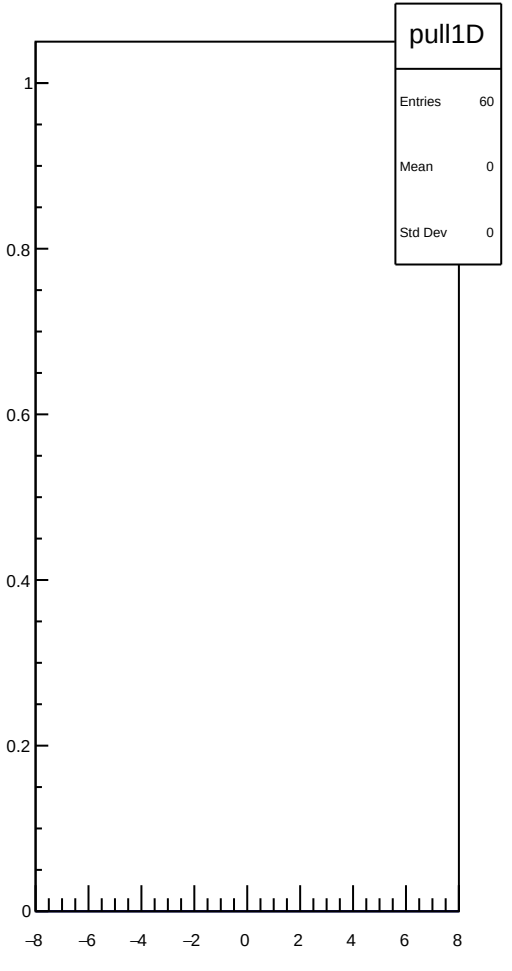

dit_scandata1_rms vs run
χ² / ndf 0 / 59
p0 0 ± 0.1291
1
0.8
0.6
0.4
0.2
0

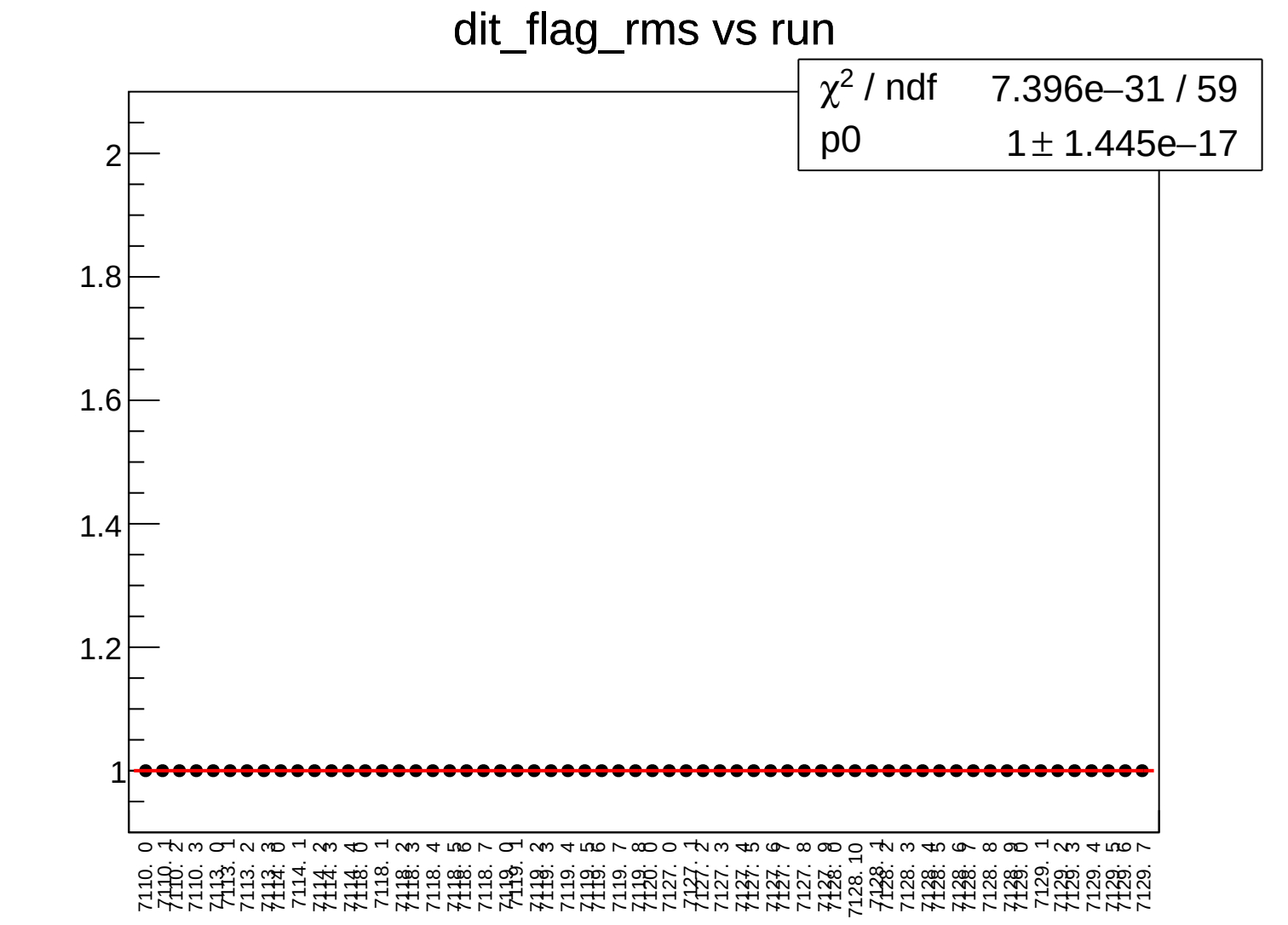

dit_scandata2_mean vs run
χ² / ndf 0 / 59
p0 0 ± 0.1291
1
0.8
0.6
0.4
0.2
0

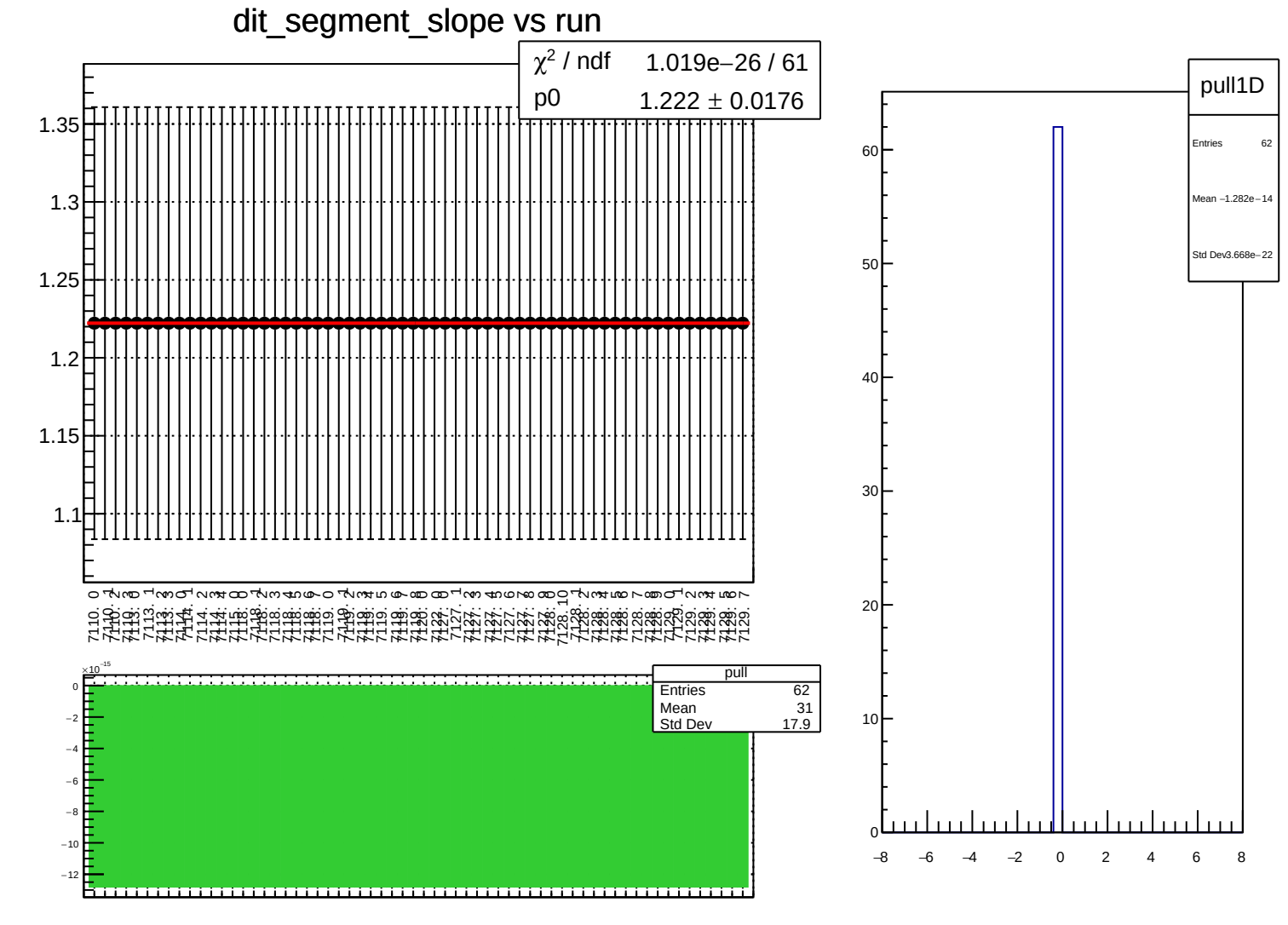

pull1D
Entries 60
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

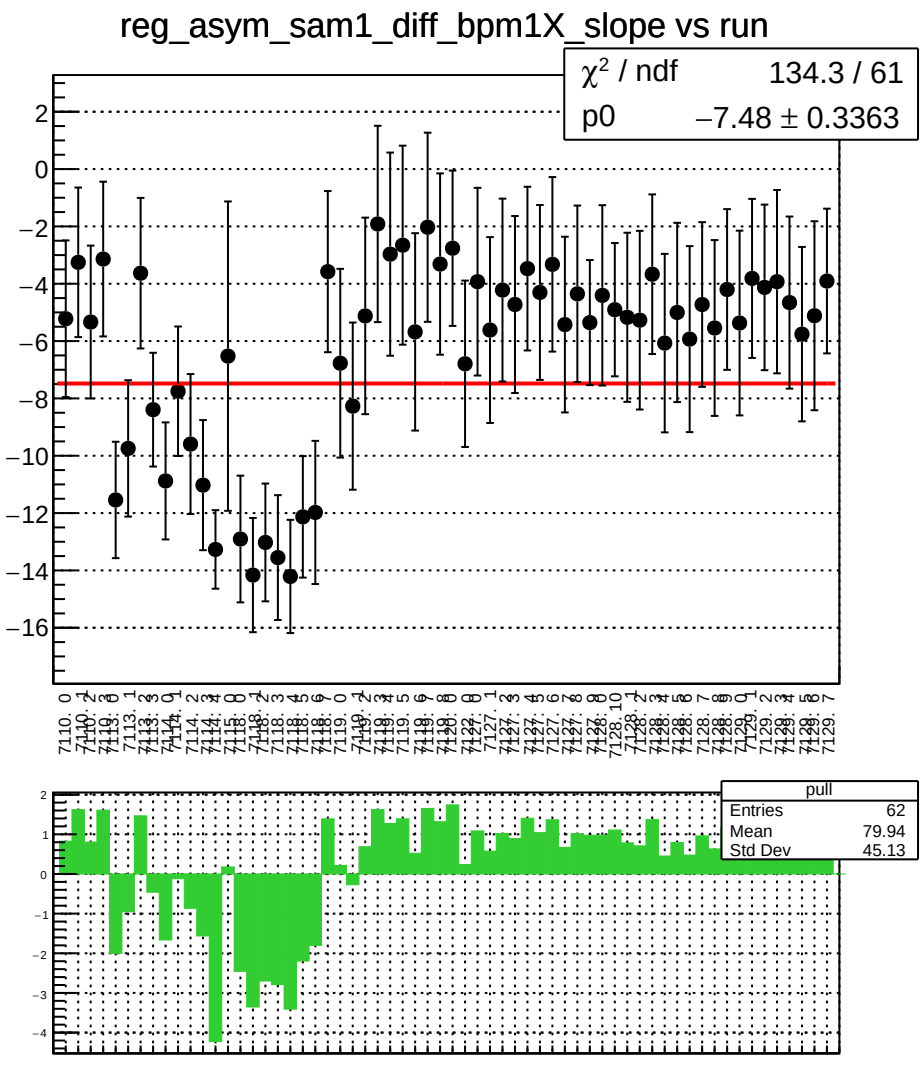

dit_scandata2_rms vs run
χ² / ndf 0 / 59
p0 0 ± 0.1291
1
0.8
0.6
0.4
0.2
0

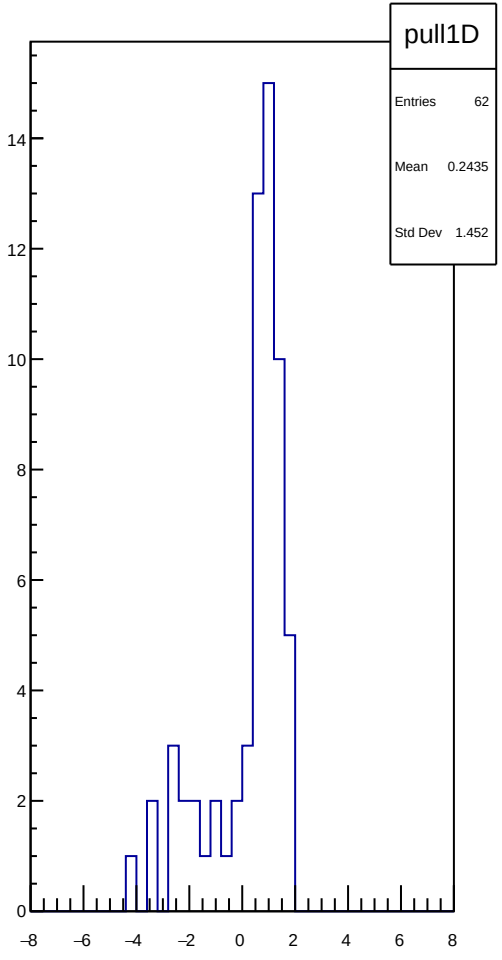

dit_flag_mean vs run
χ² / ndf 7.396e−31 / 59
p0 1 ± 1.445e−17
2
1.8
1.6
1.4
1.2
1

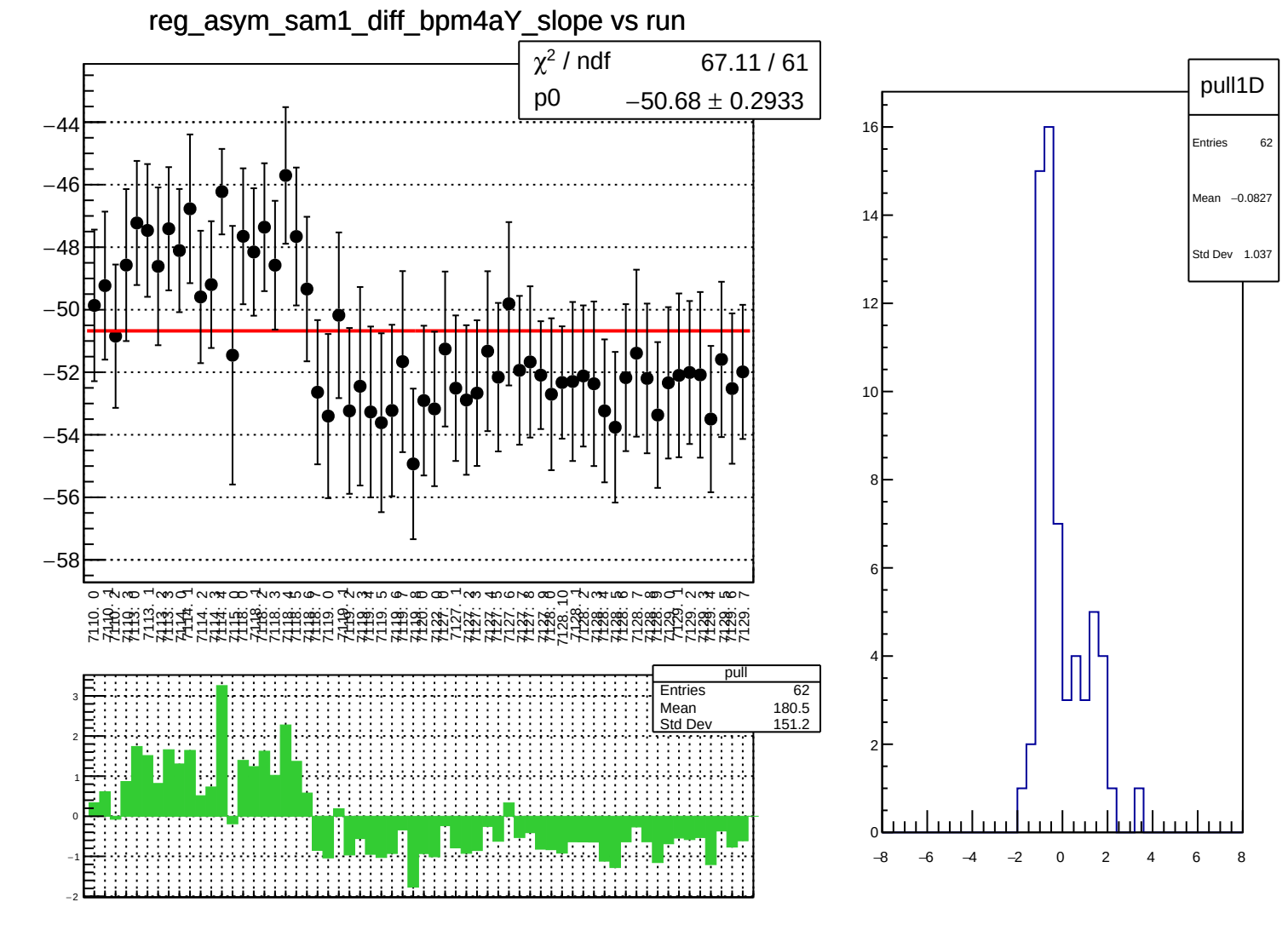

pull1D
Entries 60
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

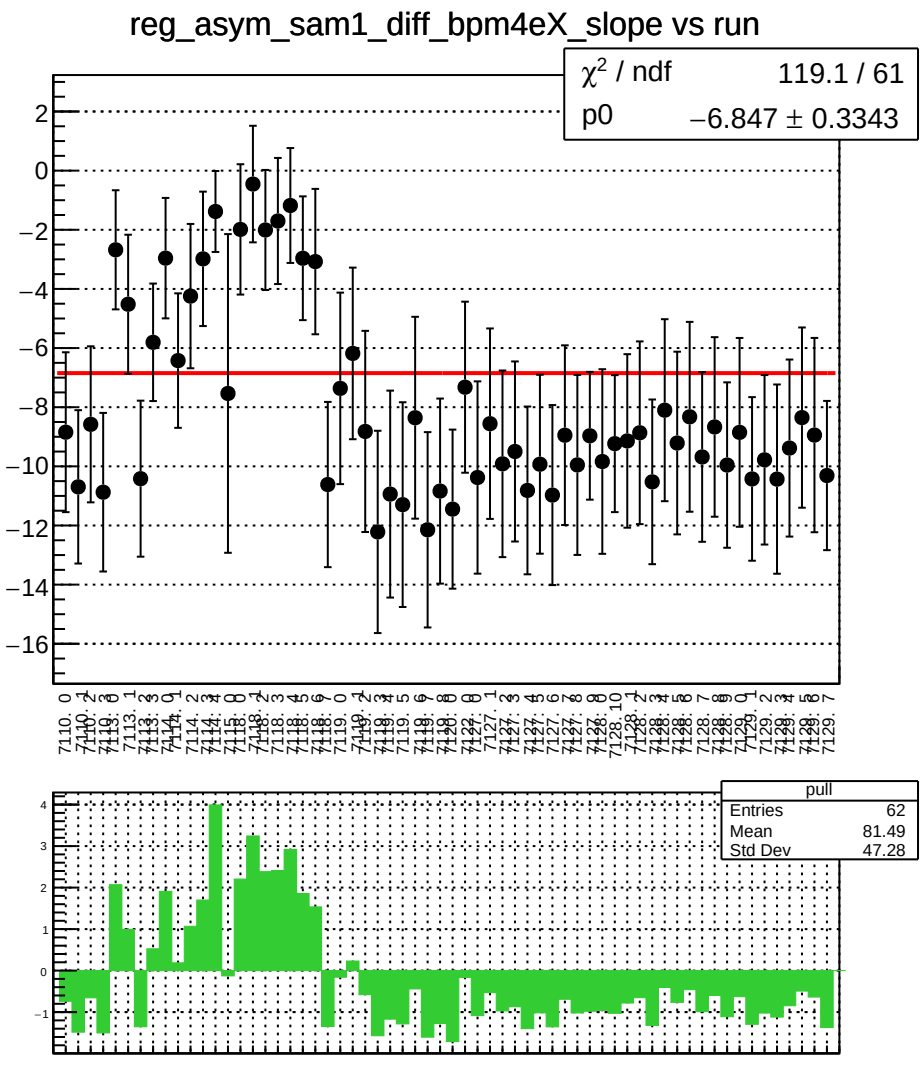

dit_flag_rms vs run
χ^2 / ndf 7.396e−31 / 59
p0 1 ± 1.445e−17
2
1.8
1.6
1.4
1.2
1

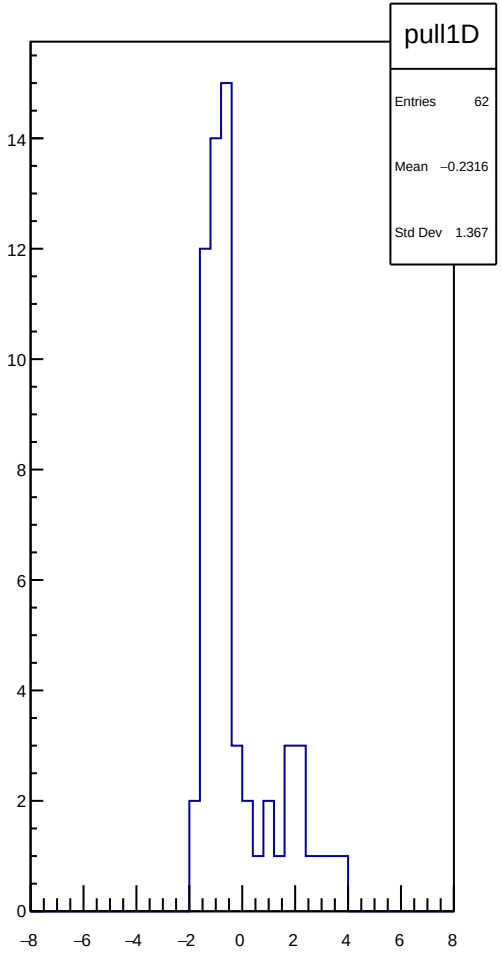

dit_segment_slope vs run
χ^2 / ndf 1.019e−26 / 61
p0 1.222 ± 0.0176
1.35
1.3
1.25
1.2
1.15
1.1
pull
Entries 62
Mean 31
Std Dev 17.9
pull1D
Entries 62
Mean −1.282e−14
Std Dev3.668e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

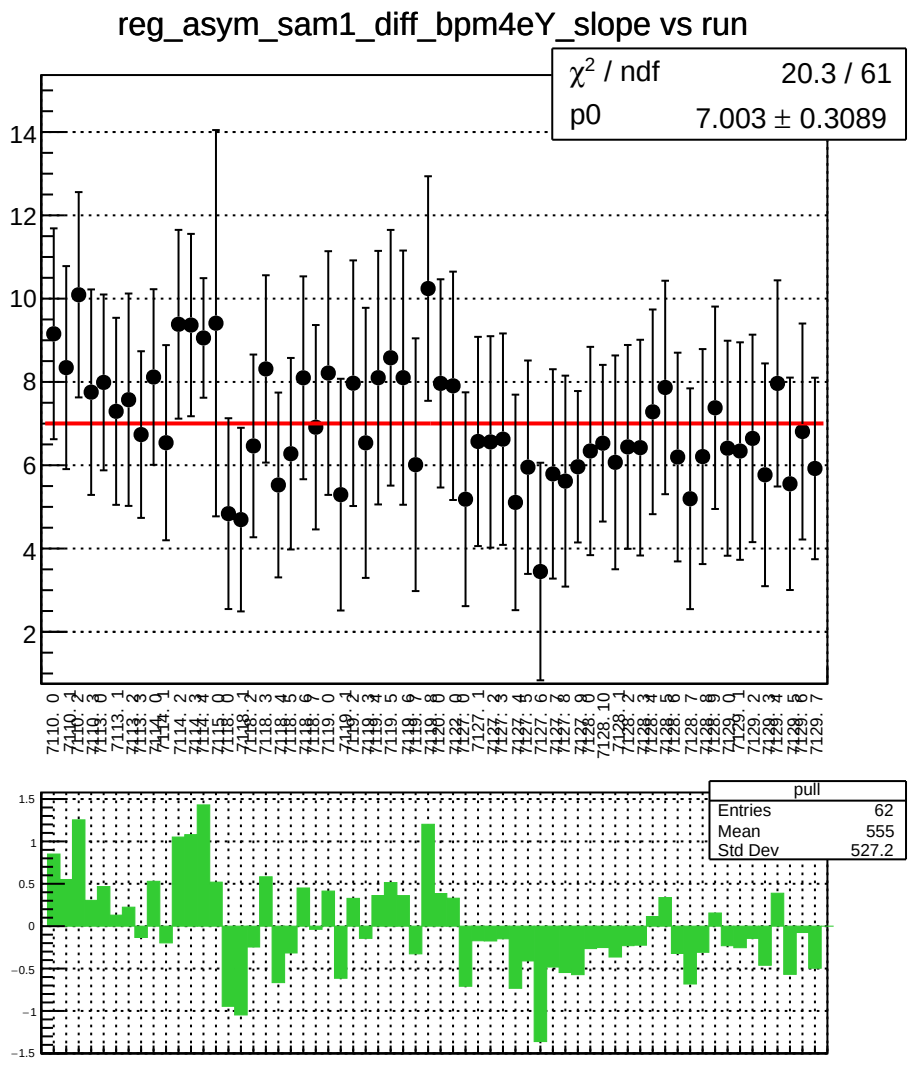

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 134.3 / 61
p0 −7.48 ± 0.3363
pull
Entries 62
Mean 79.94
Std Dev 45.13

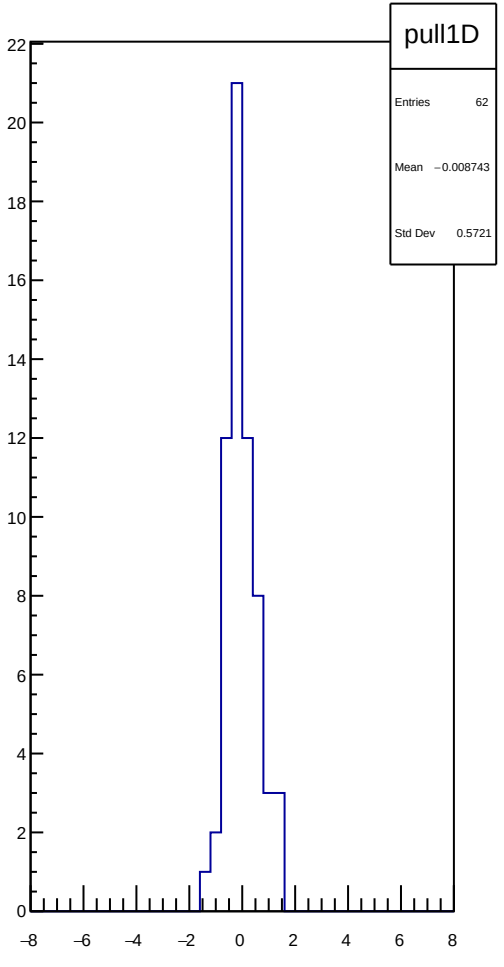

pull1D
Entries 62
Mean 0.2435
Std Dev 1.452

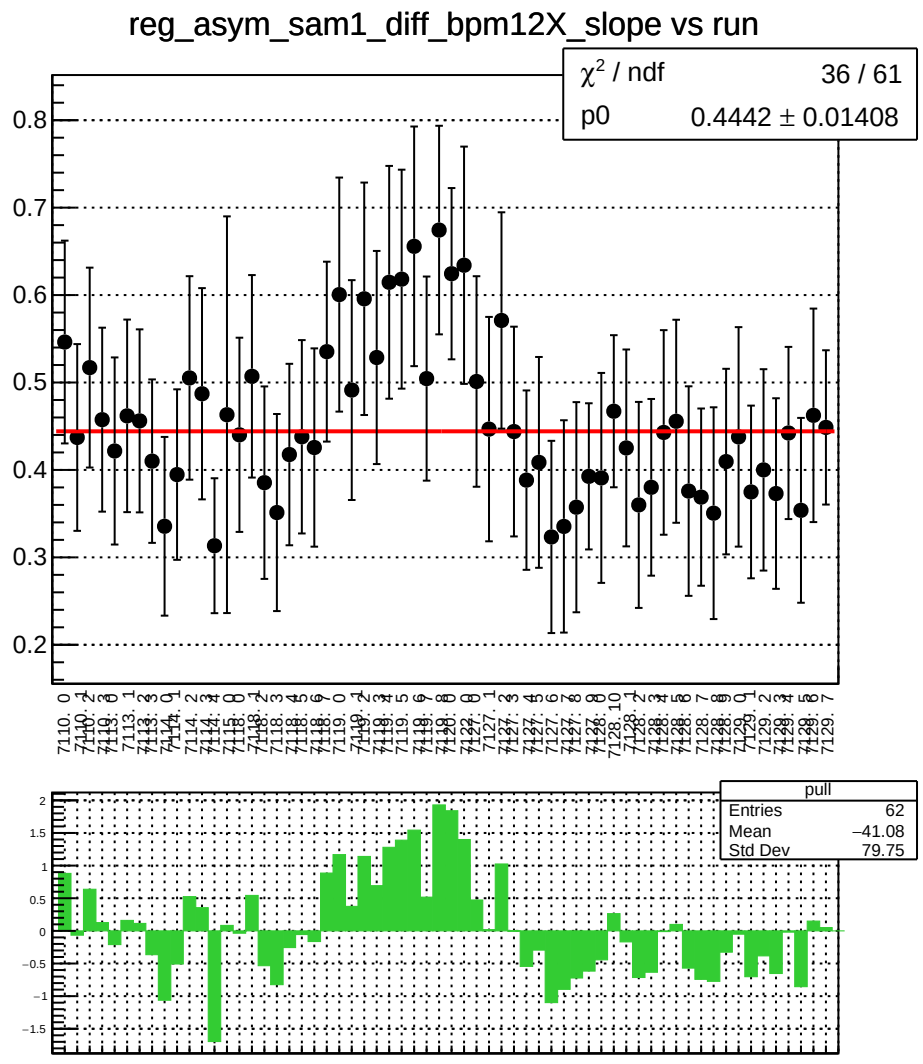

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 67.11 / 61
p0 −50.68 ± 0.2933
pull
Entries 62
Mean 180.5
Std Dev 151.2
pull1D
Entries 62
Mean −0.0827
Std Dev 1.037

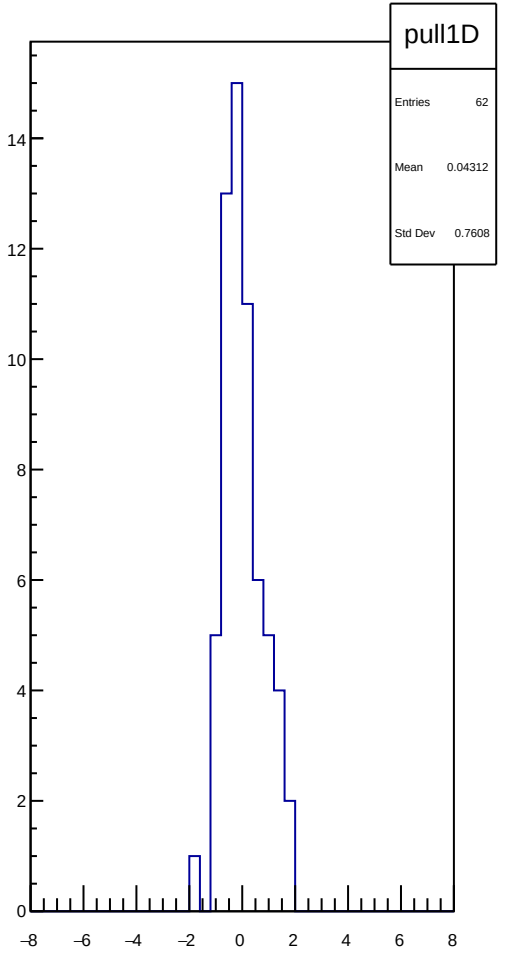

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 119.1 / 61
p0 −6.847 ± 0.3343
pull
Entries 62
Mean 81.49
Std Dev 47.28

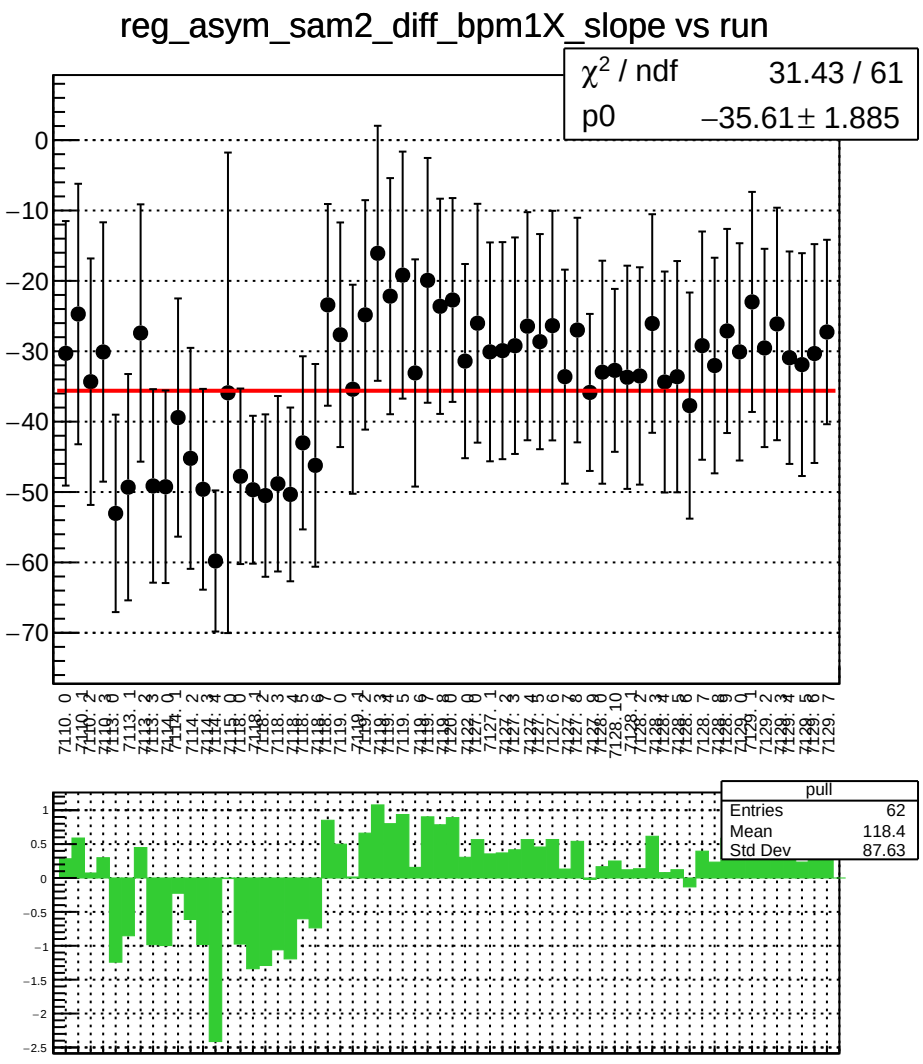

pull1D
Entries 62
Mean −0.2316
Std Dev 1.367

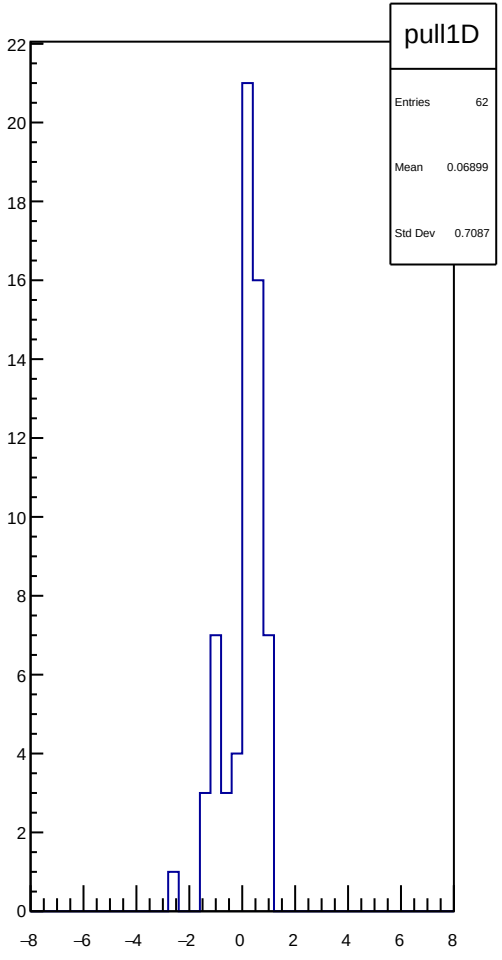

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 20.3 / 61
p0 7.003 ± 0.3089
pull
Entries 62
Mean 555
Std Dev 527.2

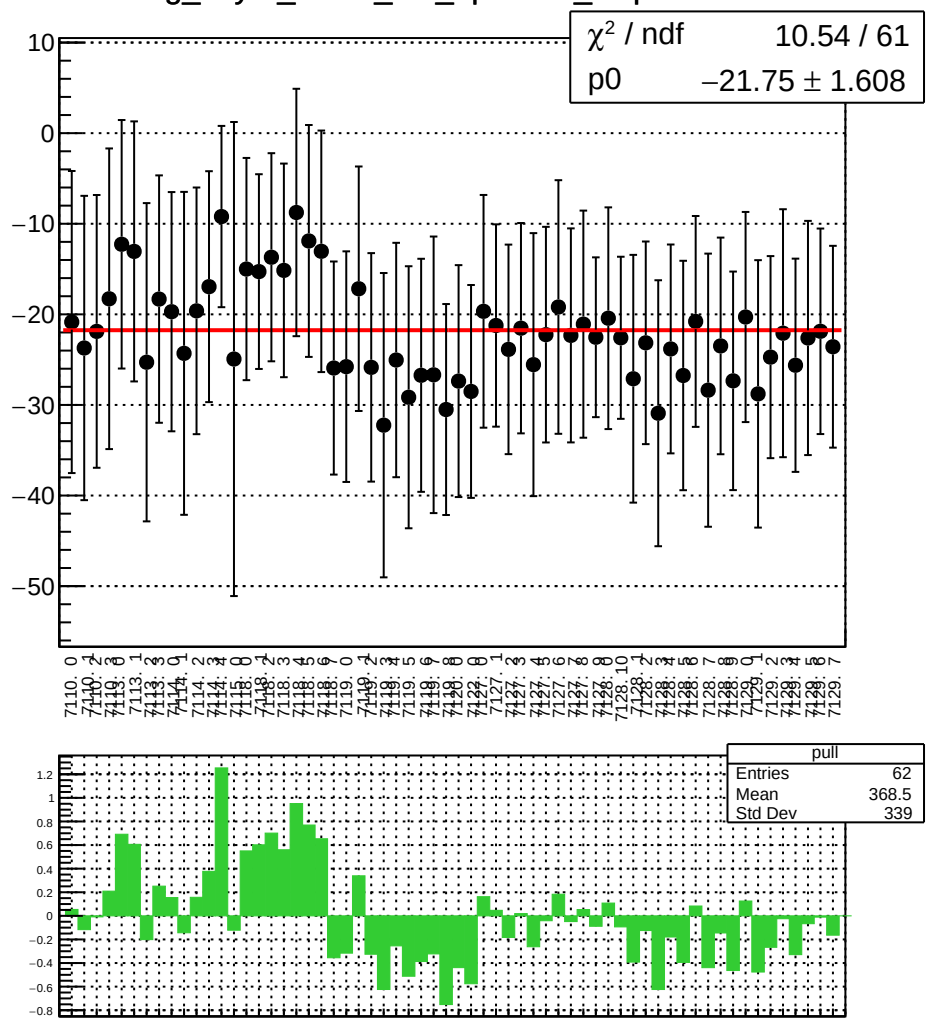

pull1D
Entries 62
Mean −0.008743
Std Dev 0.5721

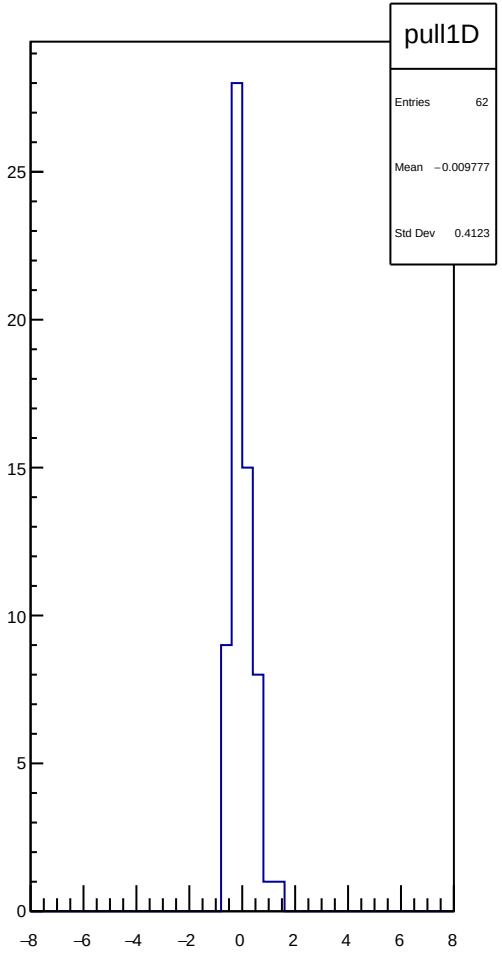

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 36 / 61
p0 0.4442 ± 0.01408
pull
Entries 62
Mean −41.08
Std Dev 79.75

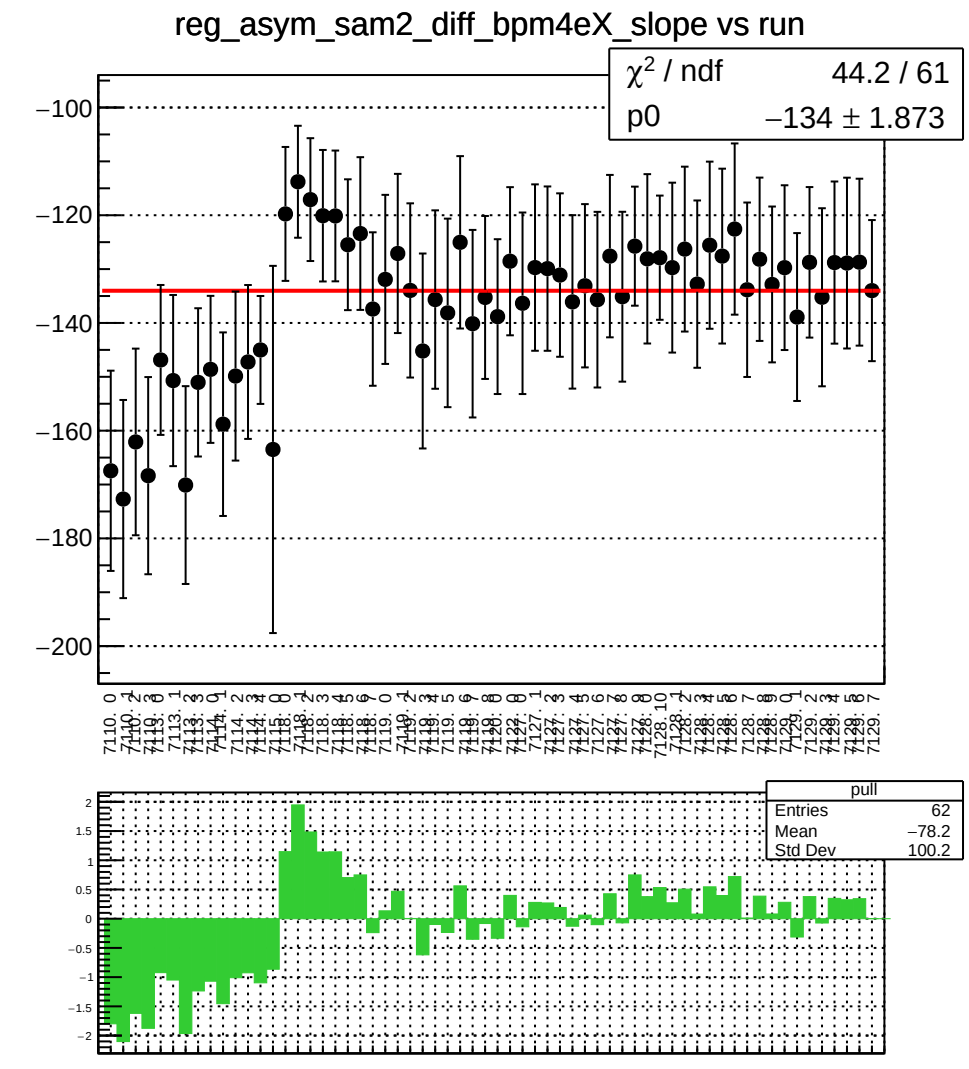

pull1D
Entries 62
Mean 0.04312
Std Dev 0.7608

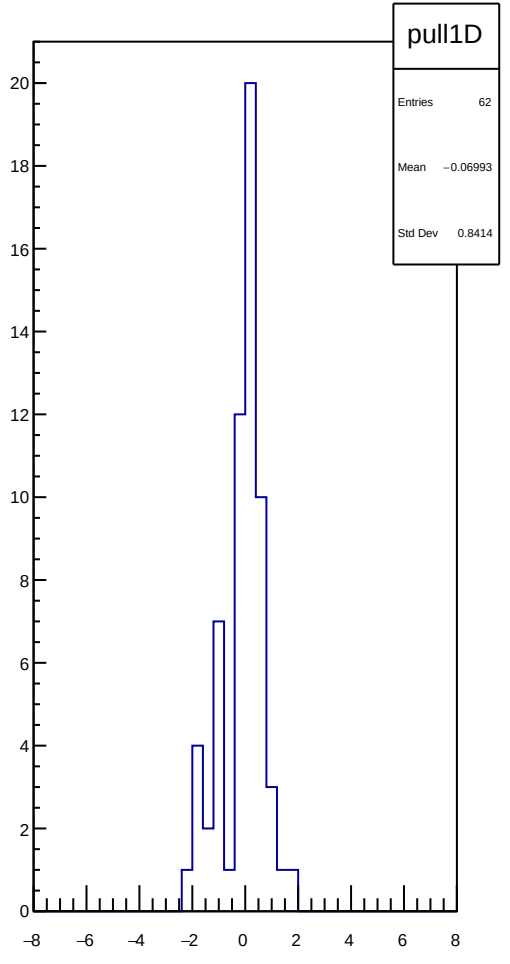

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 31.43 / 61
p0 −35.61 ± 1.885
pull
Entries 62
Mean 118.4
Std Dev 87.63

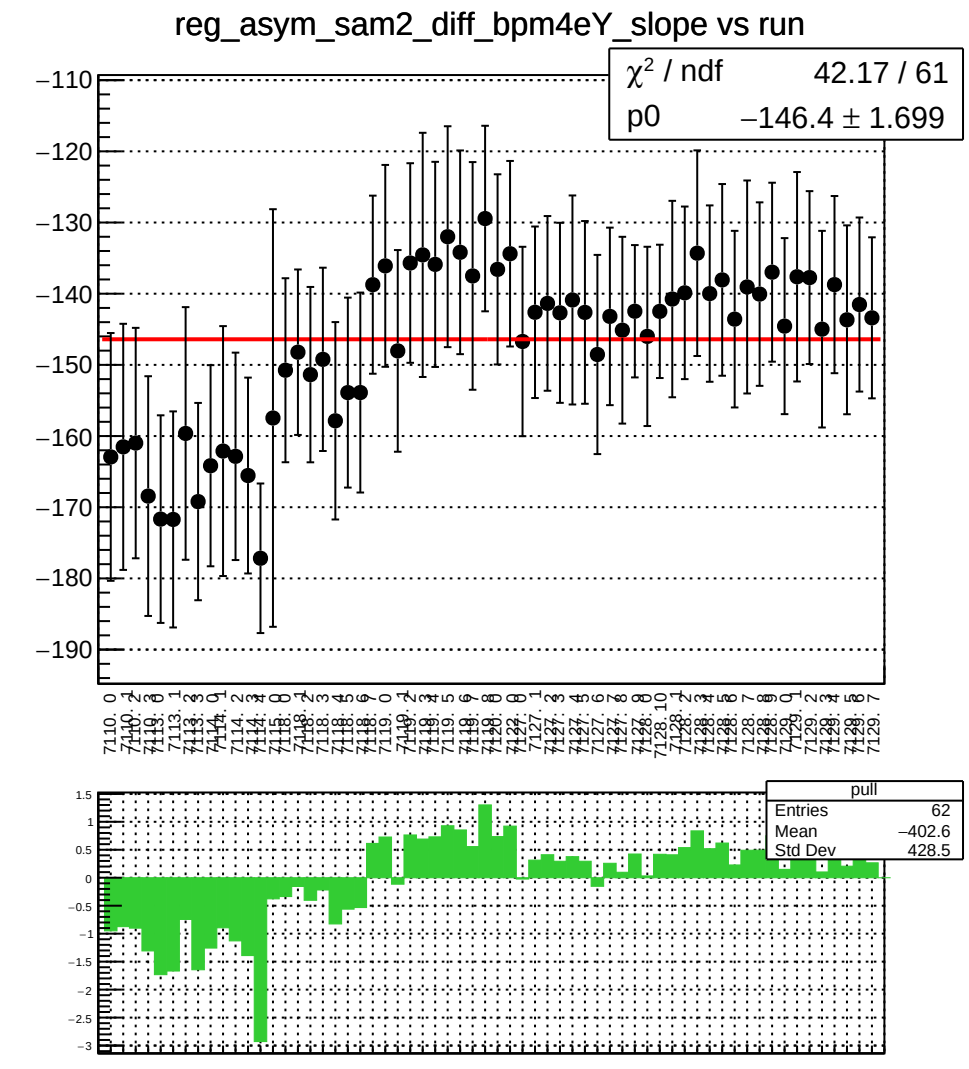

pull1D
Entries 62
Mean 0.06899
Std Dev 0.7087

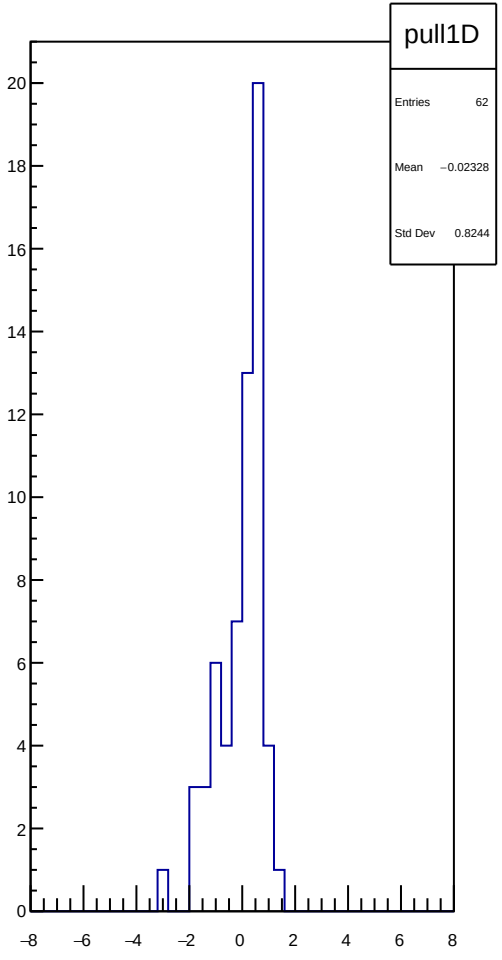

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 10.54 / 61
p0 −21.75 ± 1.608
pull
Entries 62
Mean 368.5
Std Dev 339

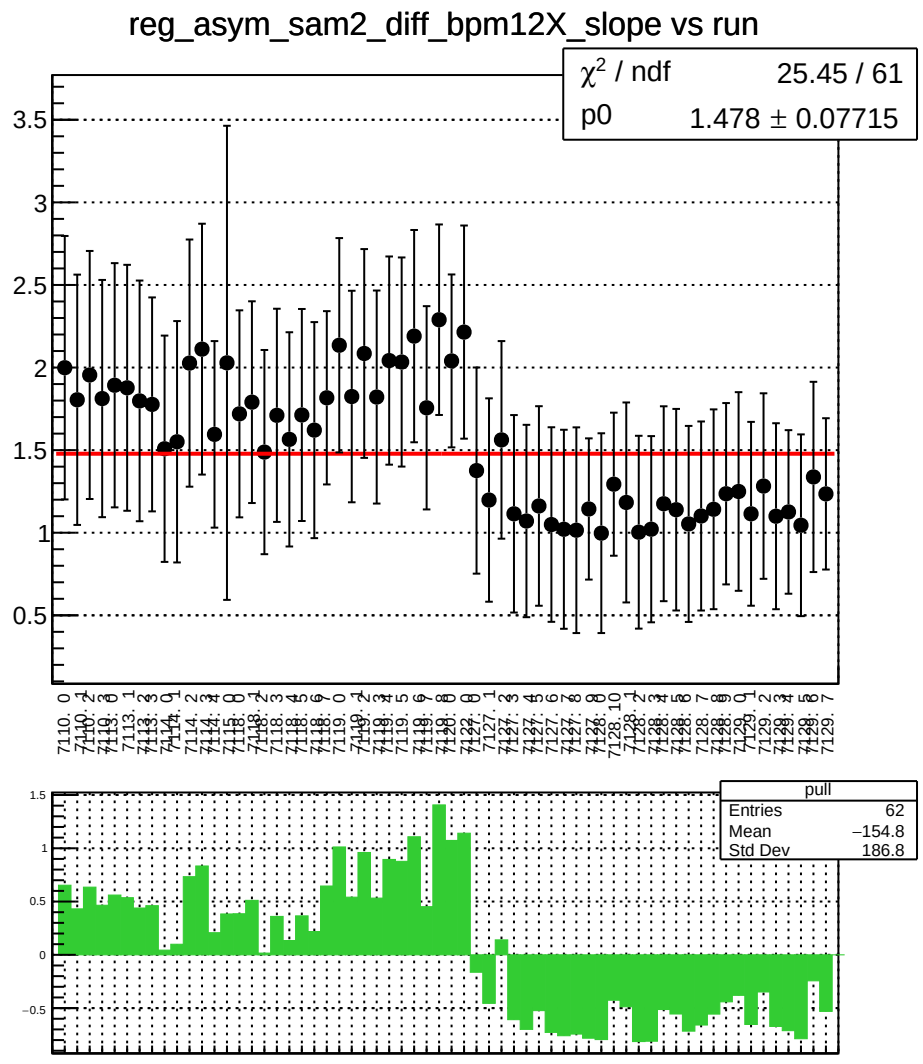

pull1D
Entries 62
Mean −0.009777
Std Dev 0.4123

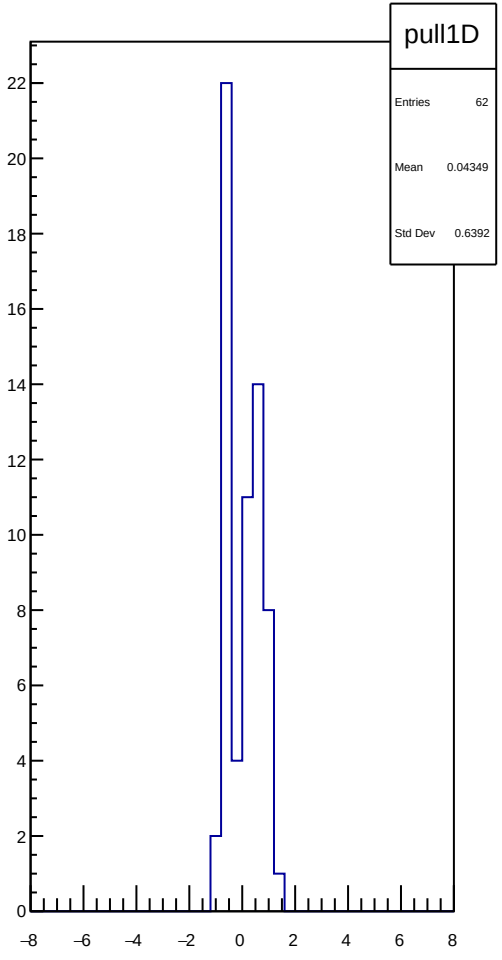

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 44.2 / 61
p0 −134 ± 1.873
−100
−120
−140
−160
−180
−200
pull
Entries 62
Mean −78.2
Std Dev 100.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

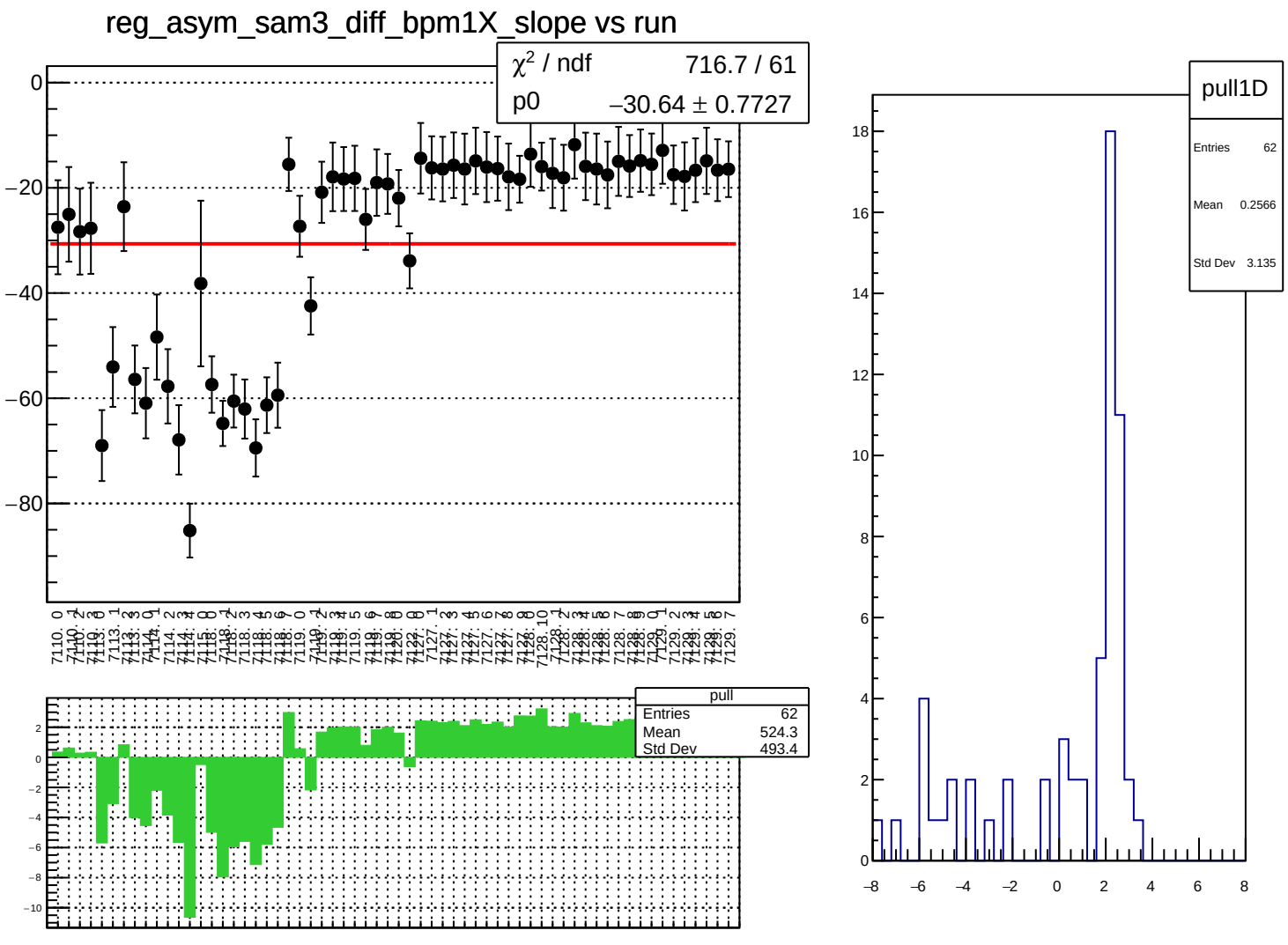

pull1D
Entries 62
Mean −0.06993
Std Dev 0.8414
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

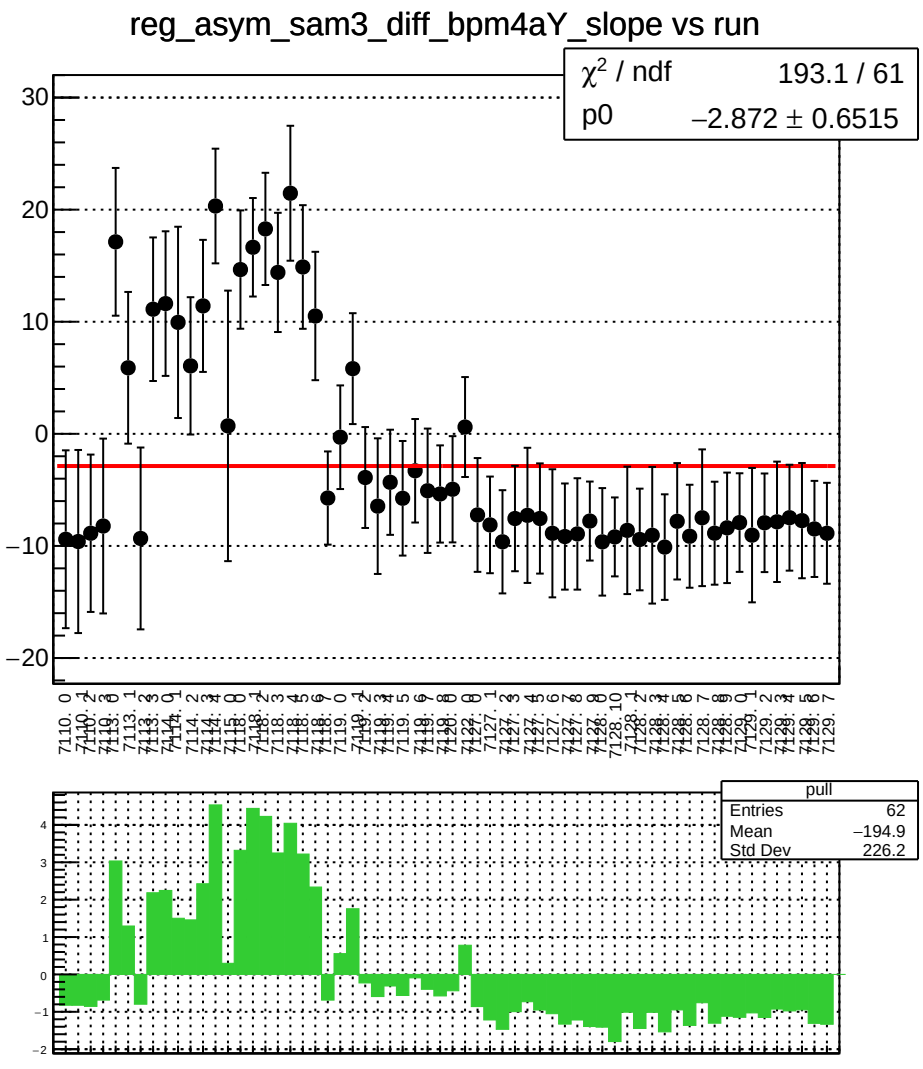

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 42.17 / 61
p0 −146.4 ± 1.699
pull
Entries 62
Mean −402.6
Std Dev 428.5

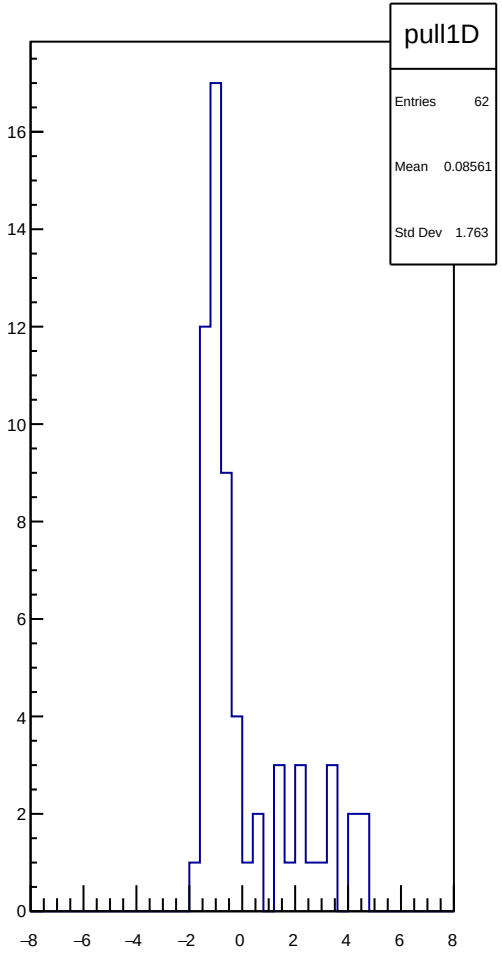

pull1D
Entries 62
Mean −0.02328
Std Dev 0.8244

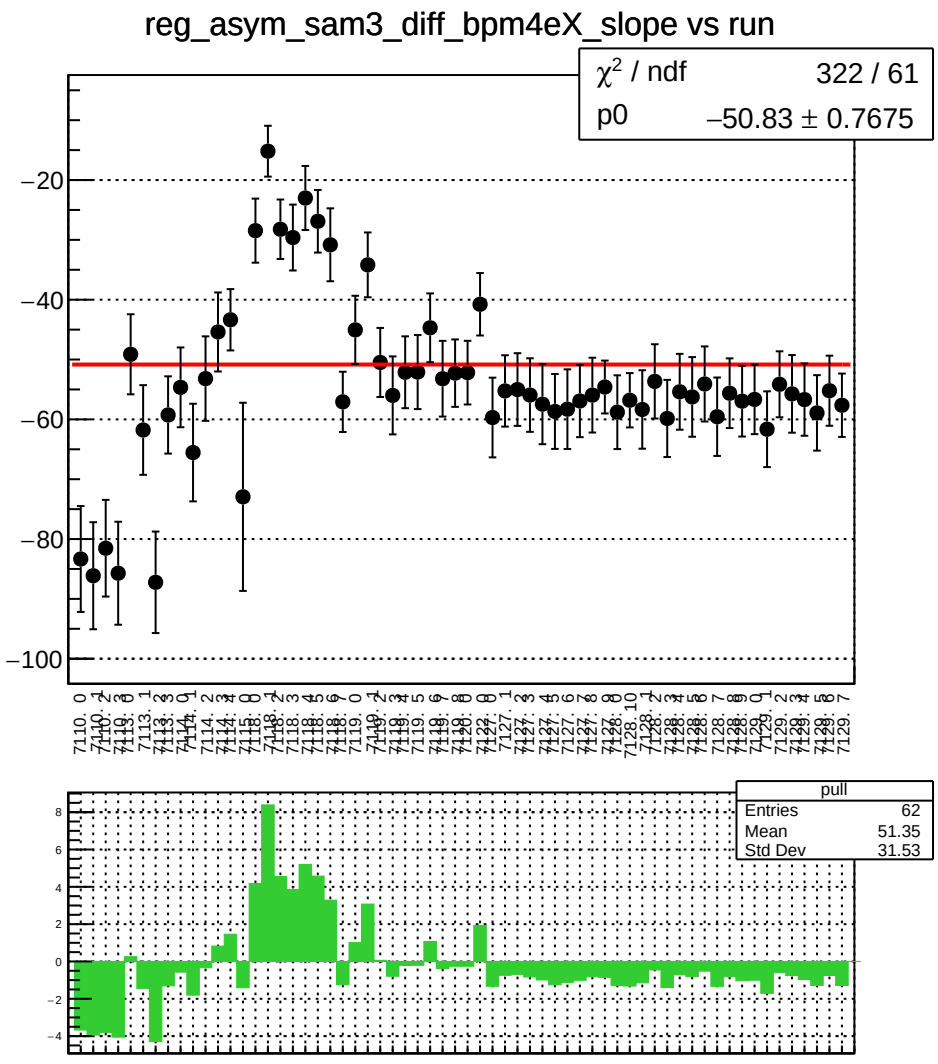

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 25.45 / 61
p0 1.478 ± 0.07715
pull
Entries 62
Mean −154.8
Std Dev 186.8

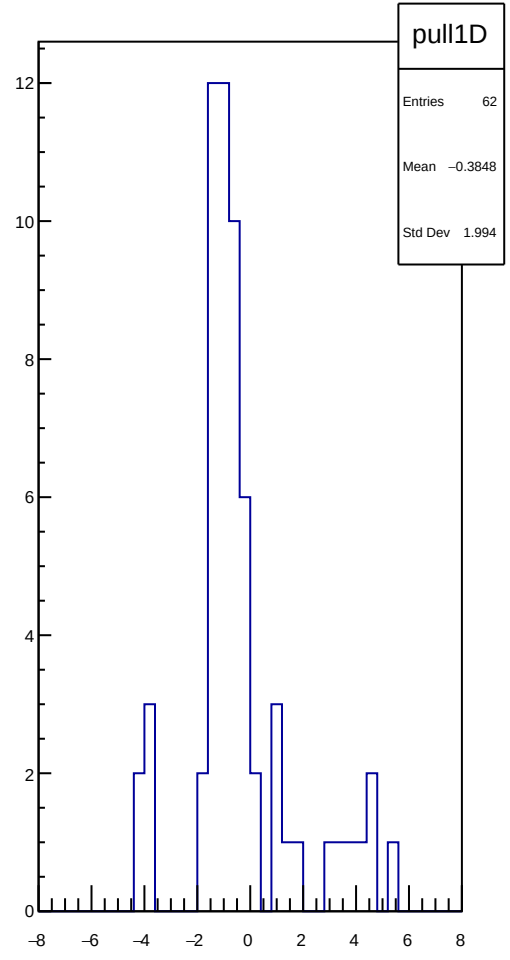

pull1D
Entries 62
Mean 0.04349
Std Dev 0.6392

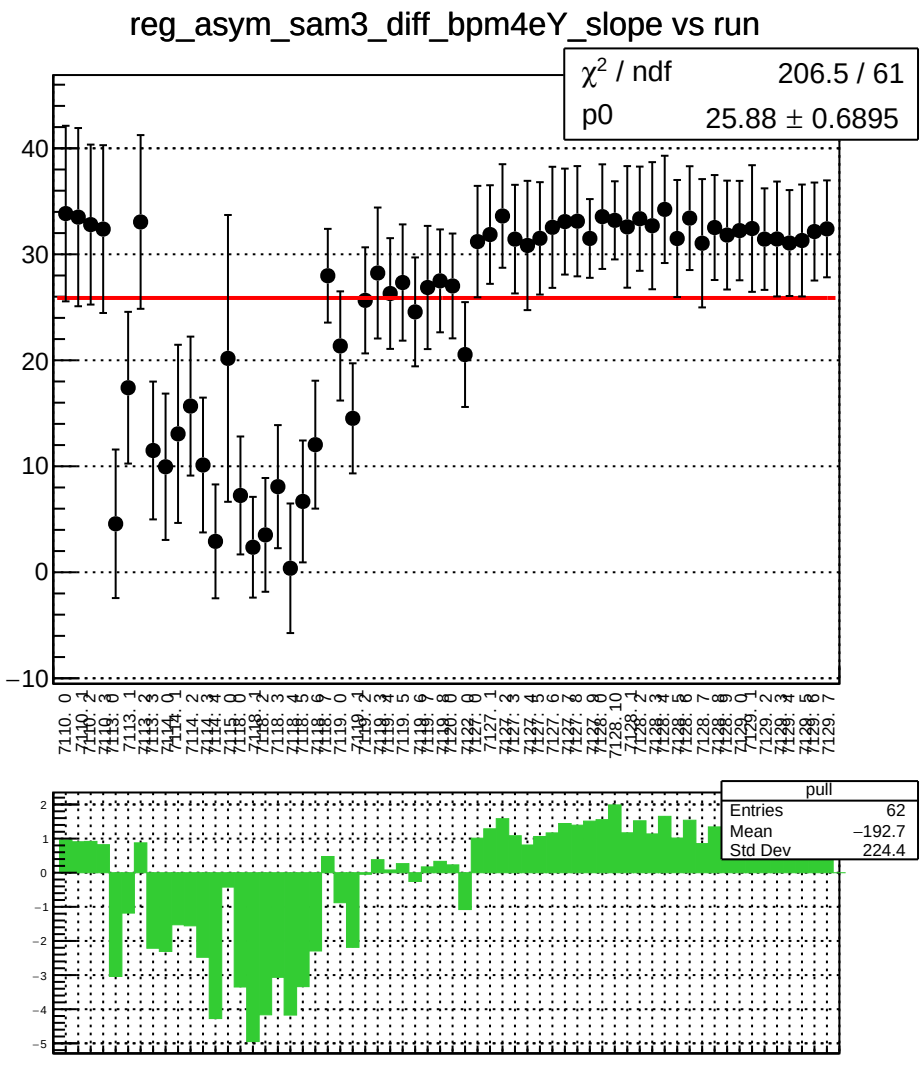

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 716.7 / 61
p0 −30.64 ± 0.7727
pull
Entries 62
Mean 524.3
Std Dev 493.4
pull1D
Entries 62
Mean 0.2566
Std Dev 3.135

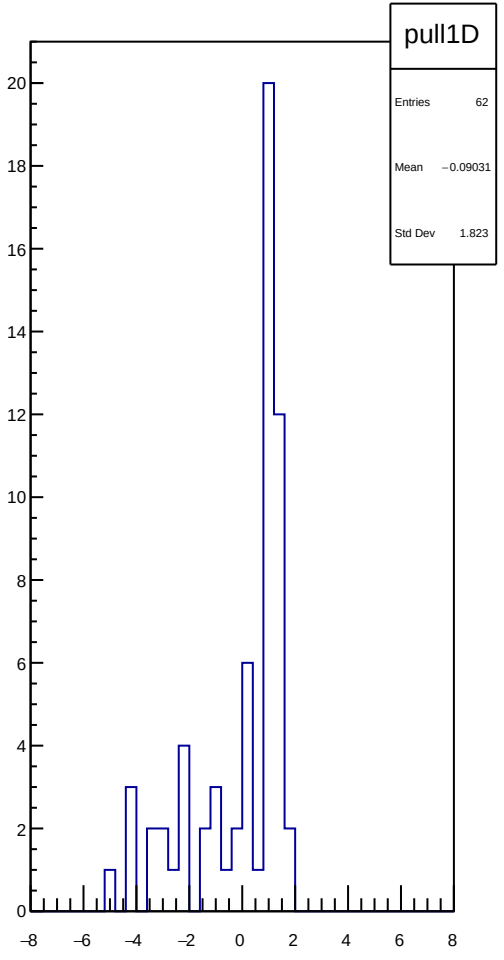

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 193.1 / 61
p0 −2.872 ± 0.6515
pull
Entries 62
Mean −194.9
Std Dev 226.2

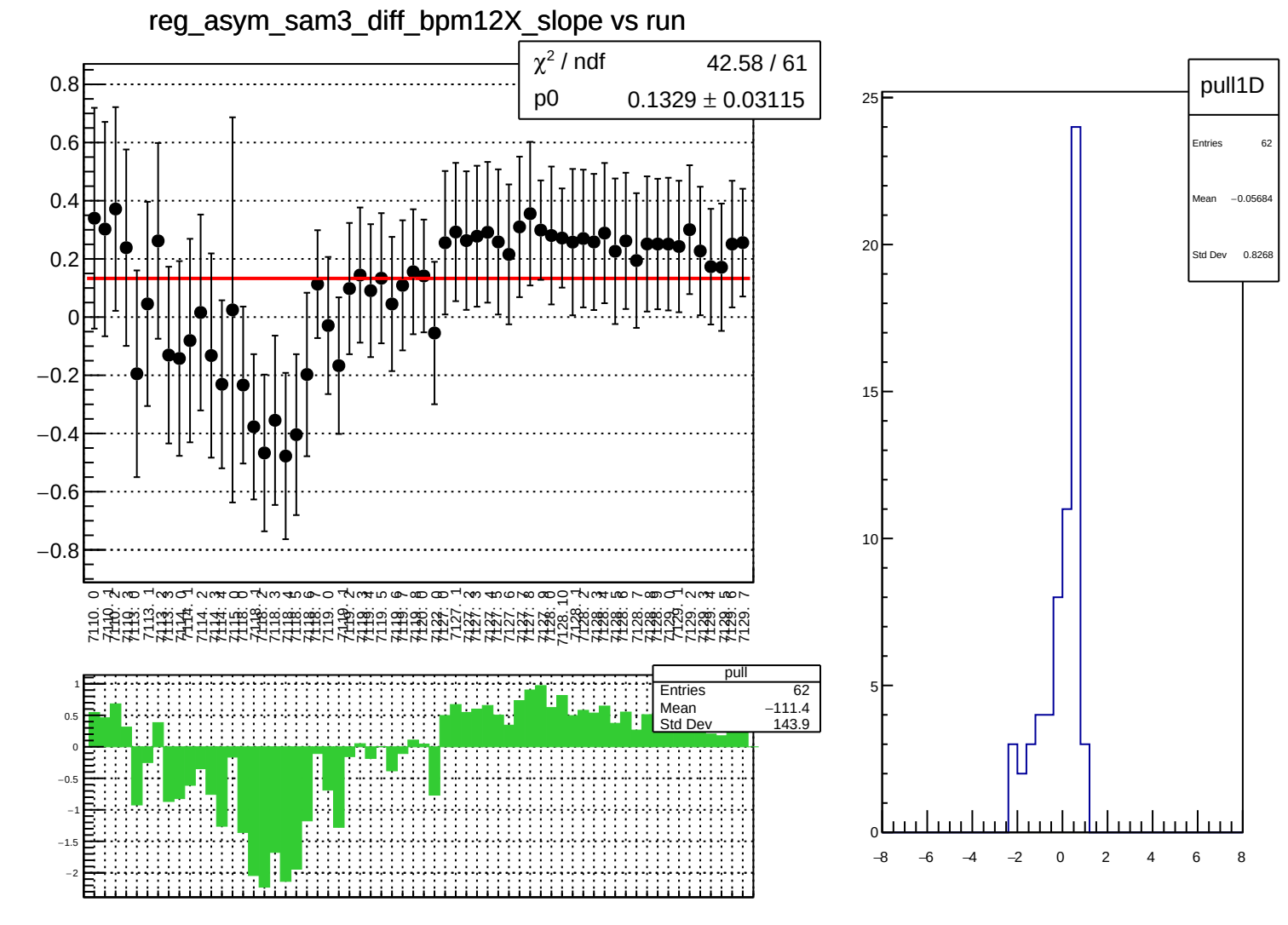

pull1D
Entries 62
Mean 0.08561
Std Dev 1.763

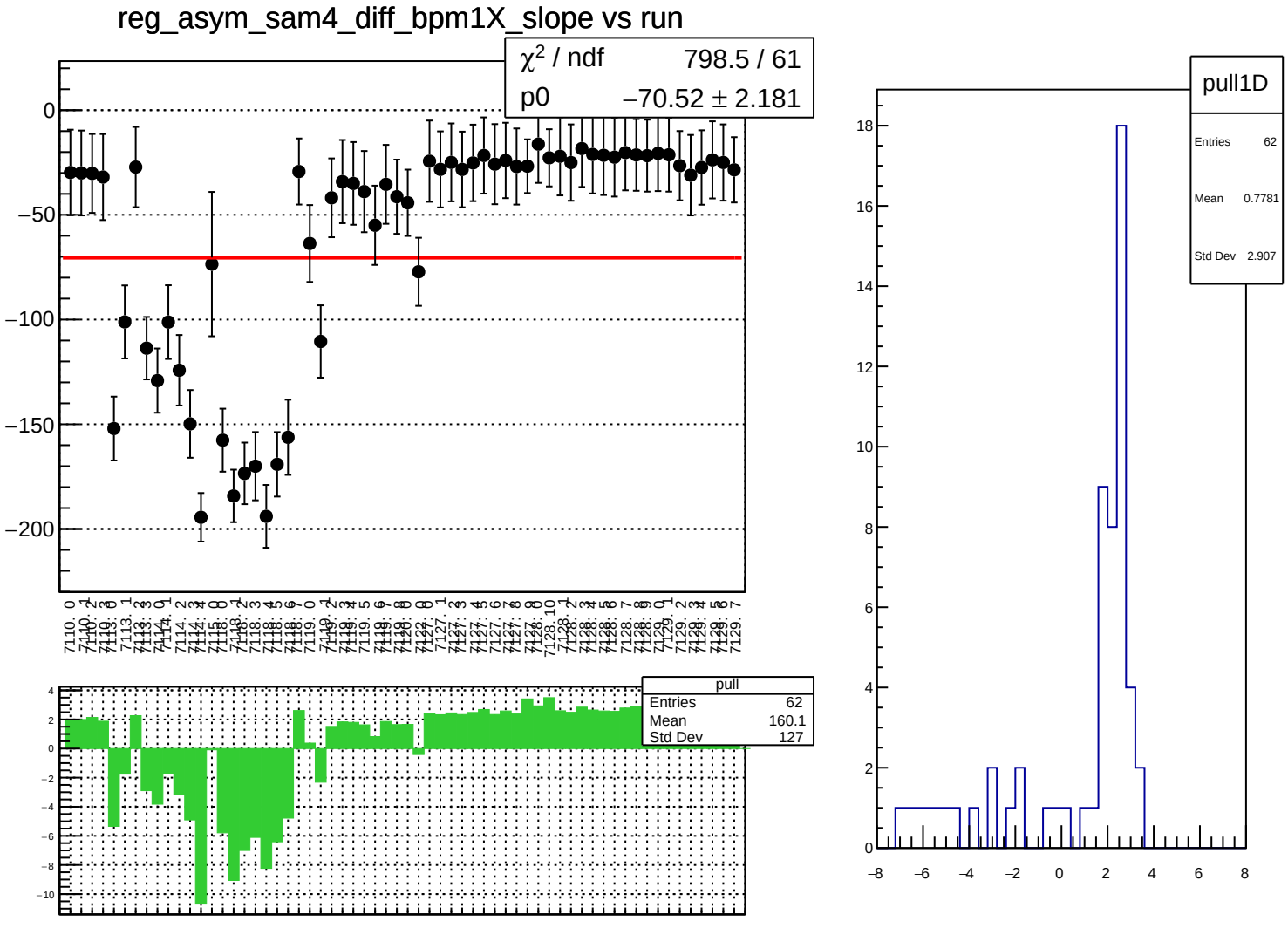

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 322 / 61
p0 −50.83 ± 0.7675
pull
Entries 62
Mean 51.35
Std Dev 31.53

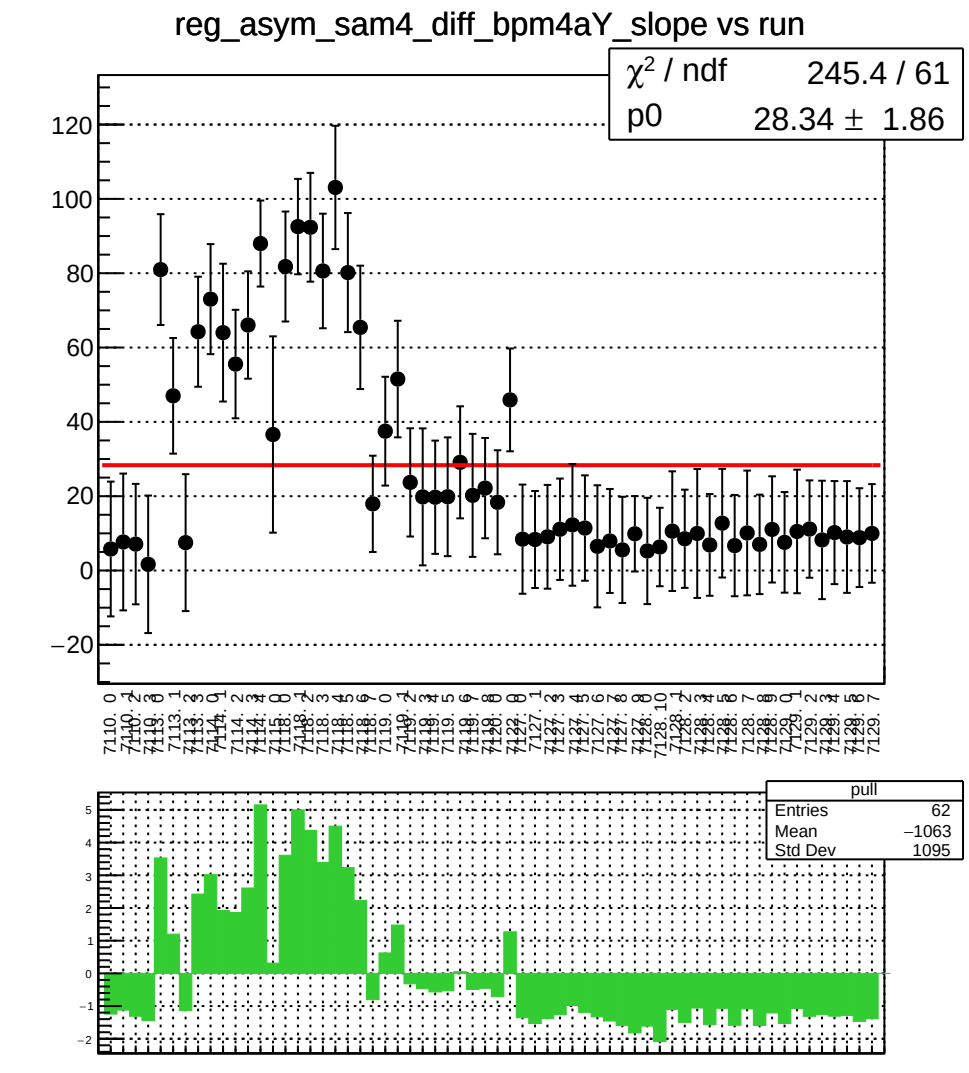

pull1D
Entries 62
Mean −0.3848
Std Dev 1.994

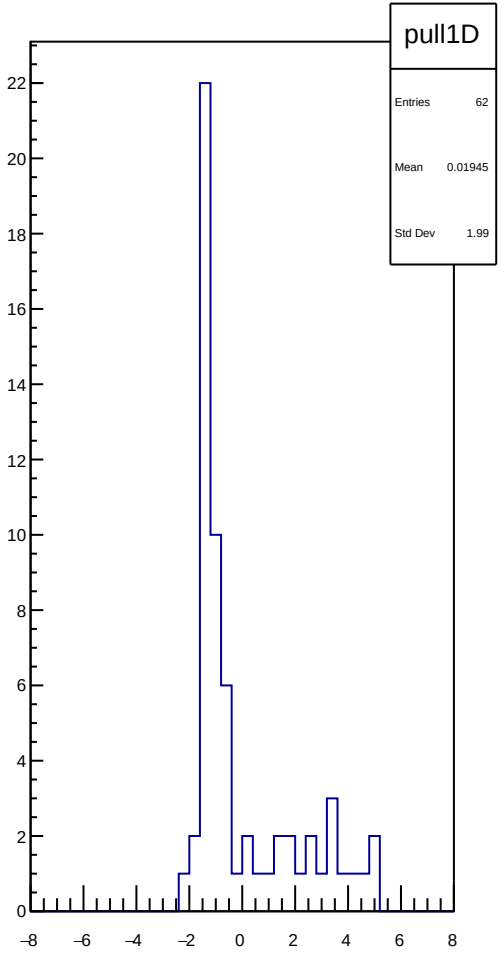

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 206.5 / 61
p0 25.88 ± 0.6895
pull
Entries 62
Mean −192.7
Std Dev 224.4

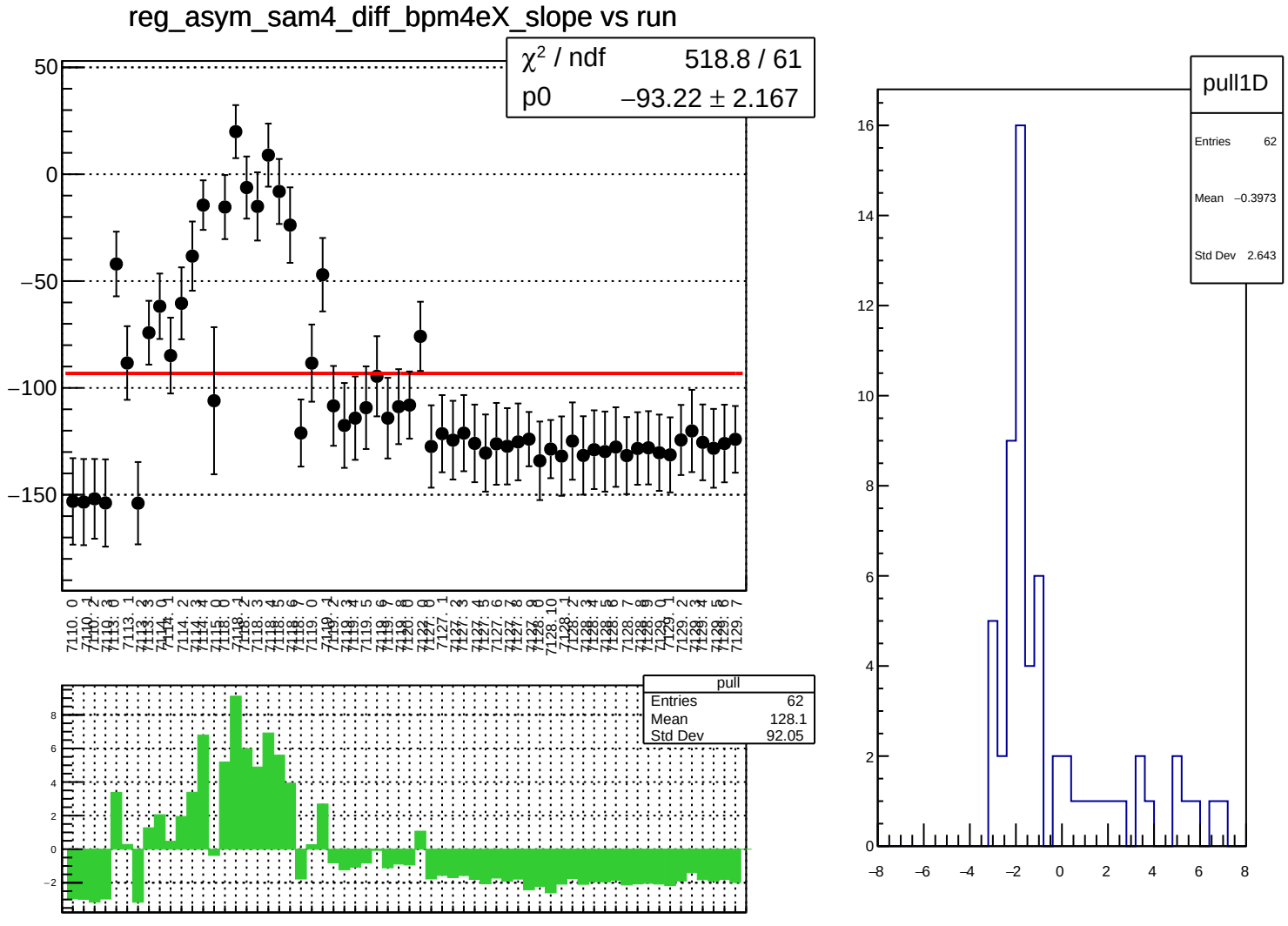

pull1D
Entries 62
Mean −0.09031
Std Dev 1.823

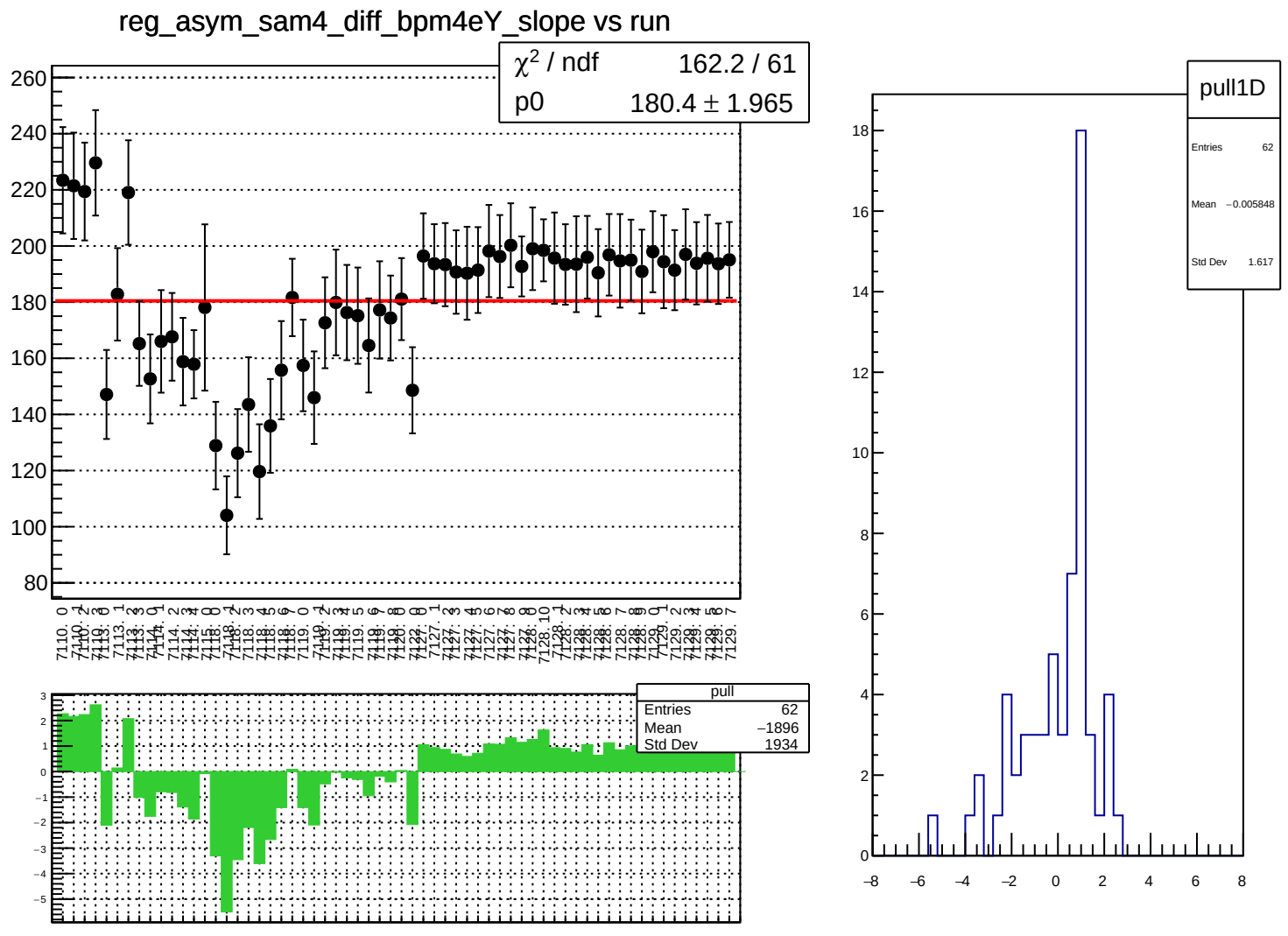

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 42.58 / 61
p0 0.1329 ± 0.03115
pull
Entries 62
Mean −111.4
Std Dev 143.9
pull1D
Entries 62
Mean −0.05684
Std Dev 0.8268

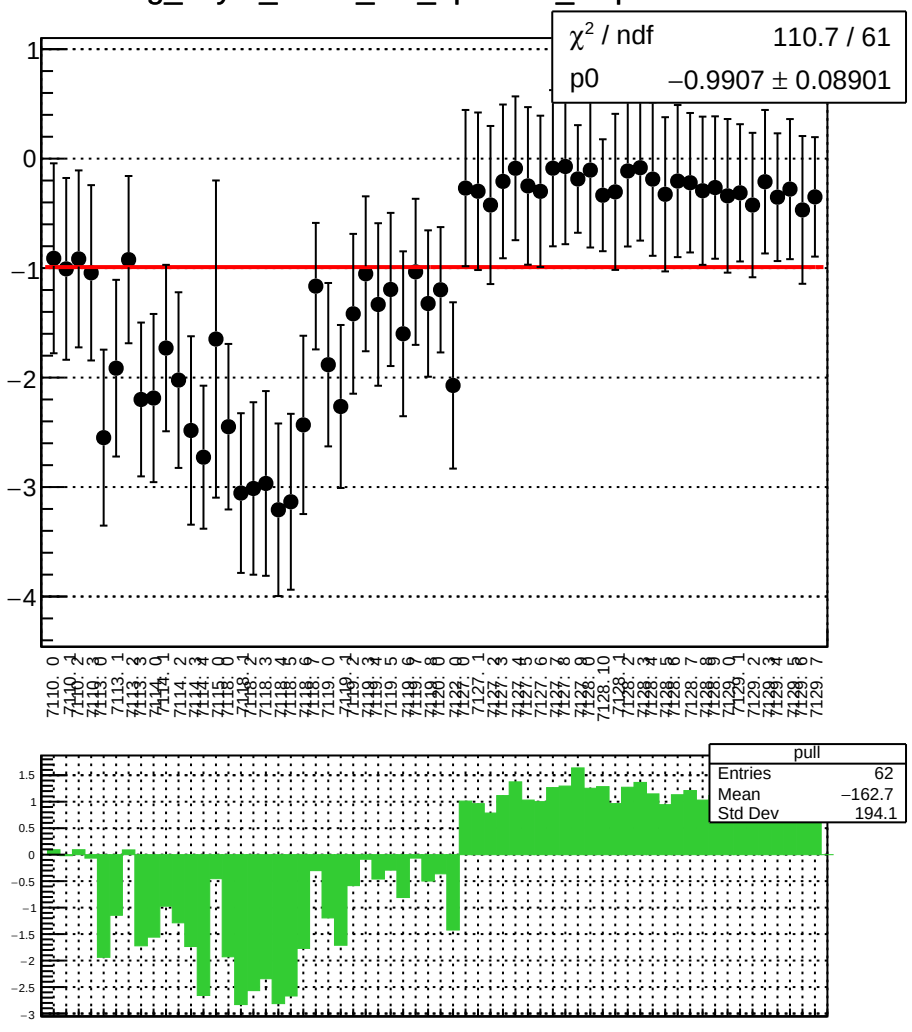

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 798.5 / 61
p0 −70.52 ± 2.181
pull
Entries 62
Mean 160.1
Std Dev 127
pull1D
Entries 62
Mean 0.7781
Std Dev 2.907

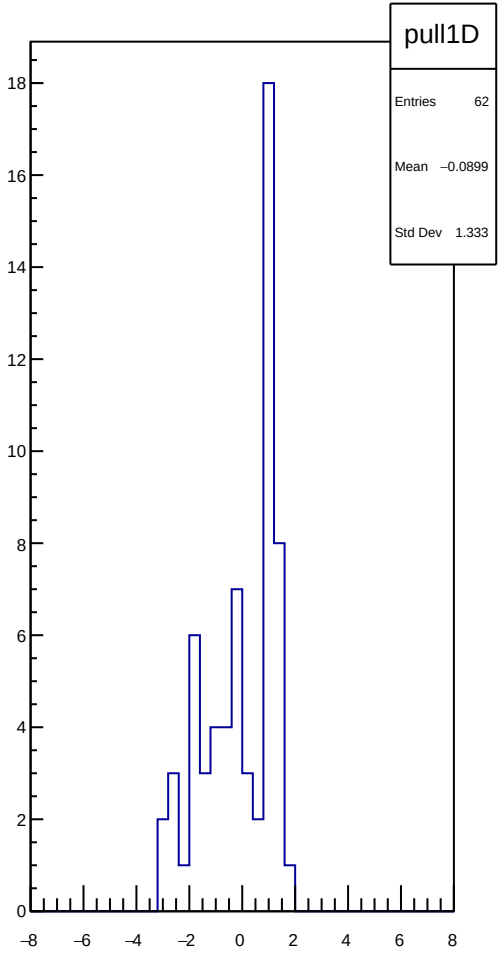

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 245.4 / 61
p0 28.34 ± 1.86
pull
Entries 62
Mean −1063
Std Dev 1095

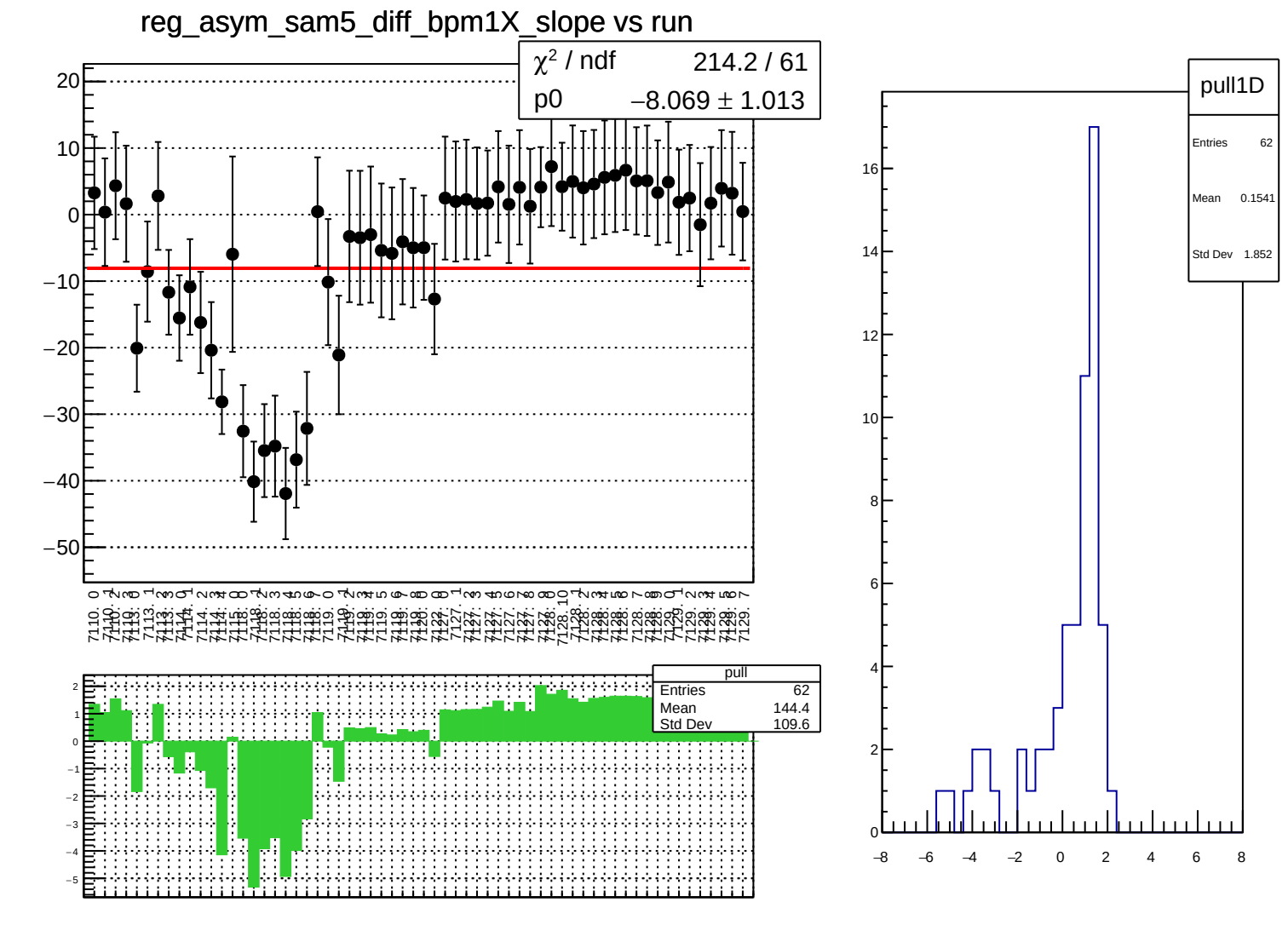

pull1D
Entries 62
Mean 0.01945
Std Dev 1.99

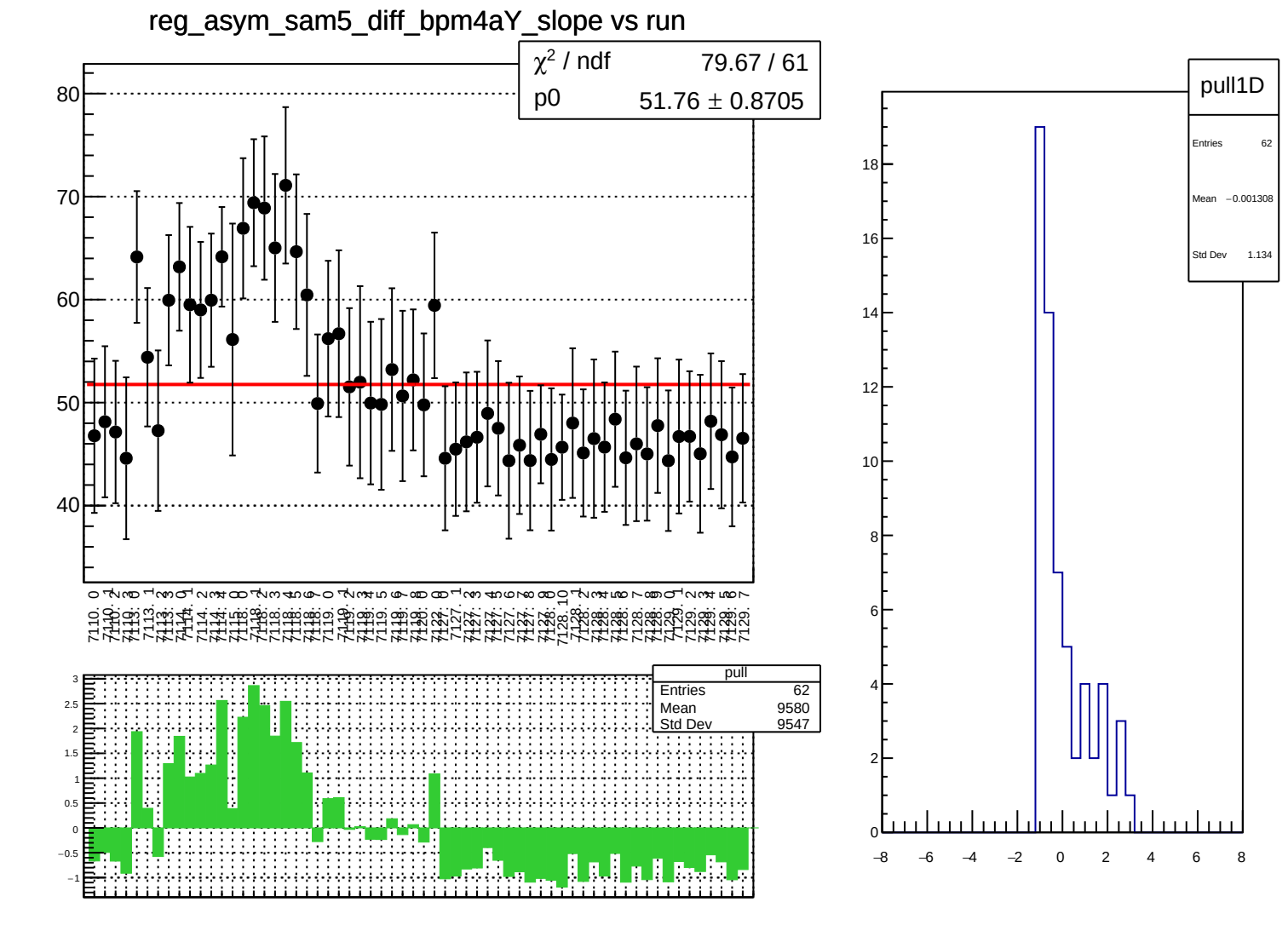

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 518.8 / 61
p0 −93.22 ± 2.167
pull
Entries 62
Mean 128.1
Std Dev 92.05
pull1D
Entries 62
Mean −0.3973
Std Dev 2.643

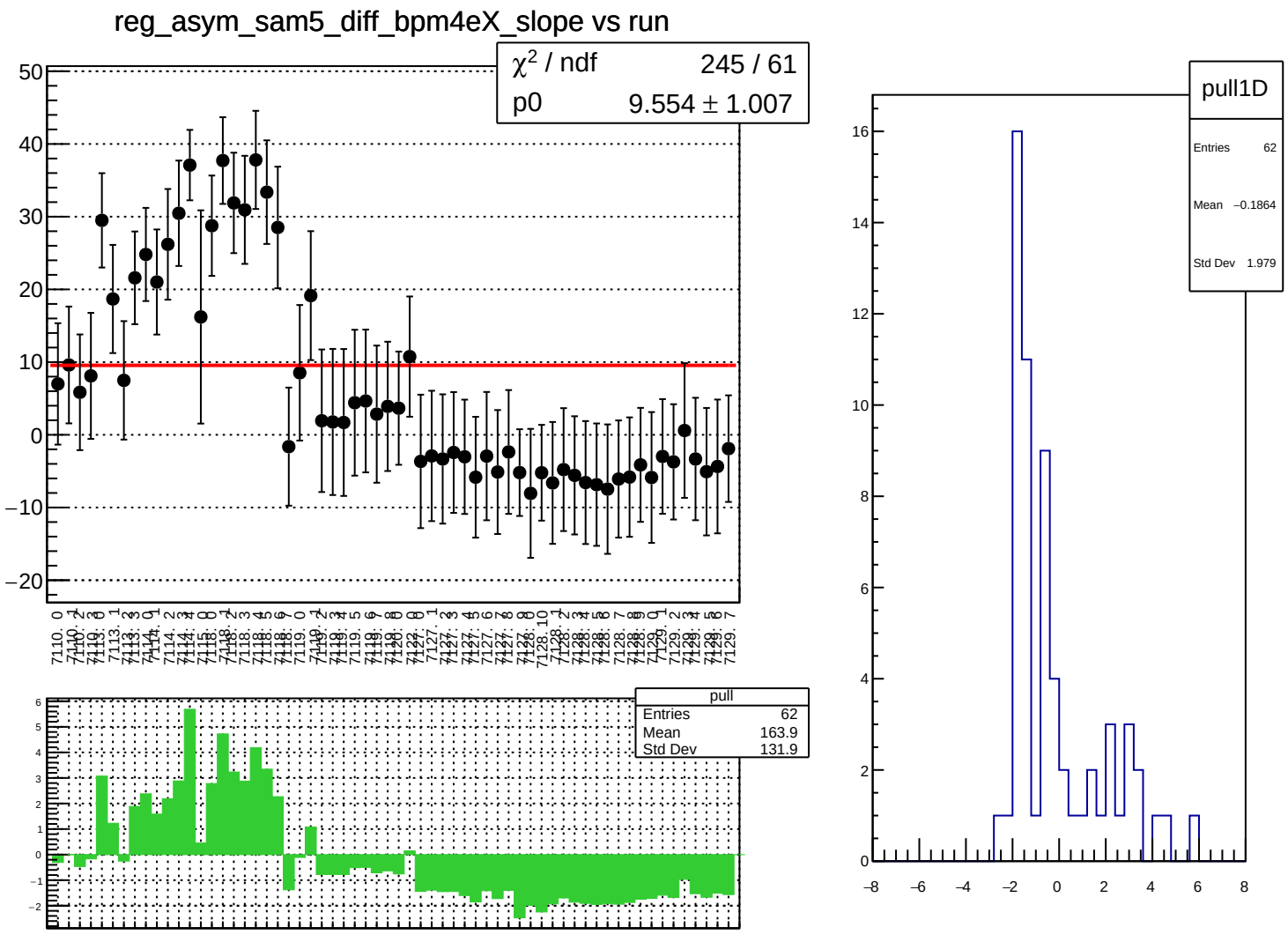

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 162.2 / 61
p0 180.4 ± 1.965
pull
Entries 62
Mean −1896
Std Dev 1934
pull1D
Entries 62
Mean −0.005848
Std Dev 1.617

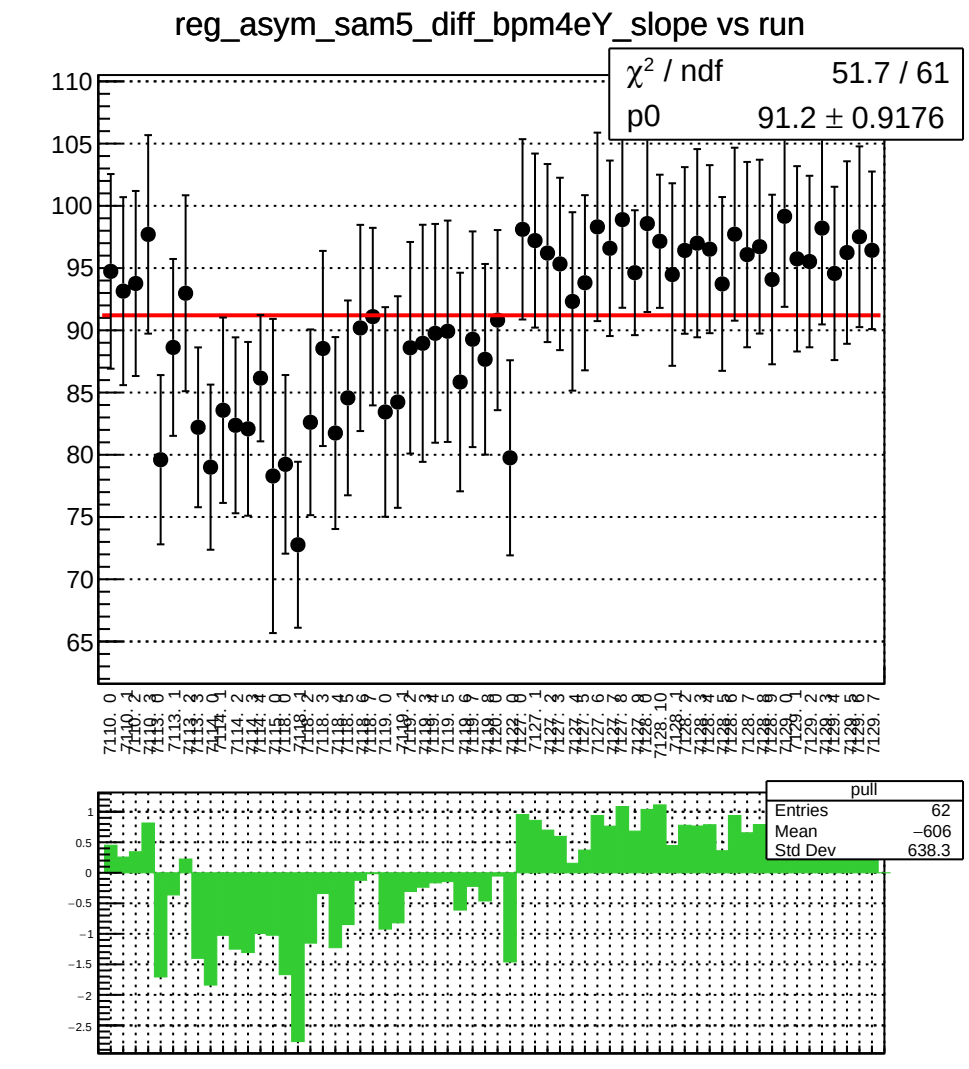

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 110.7 / 61
p0 −0.9907 ± 0.08901
pull
Entries 62
Mean −162.7
Std Dev 194.1

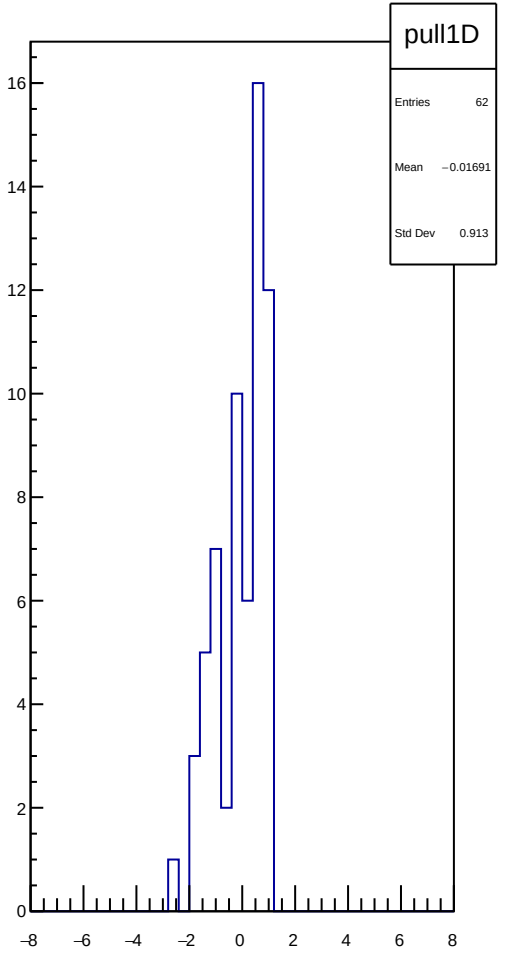

pull1D
Entries 62
Mean −0.0899
Std Dev 1.333

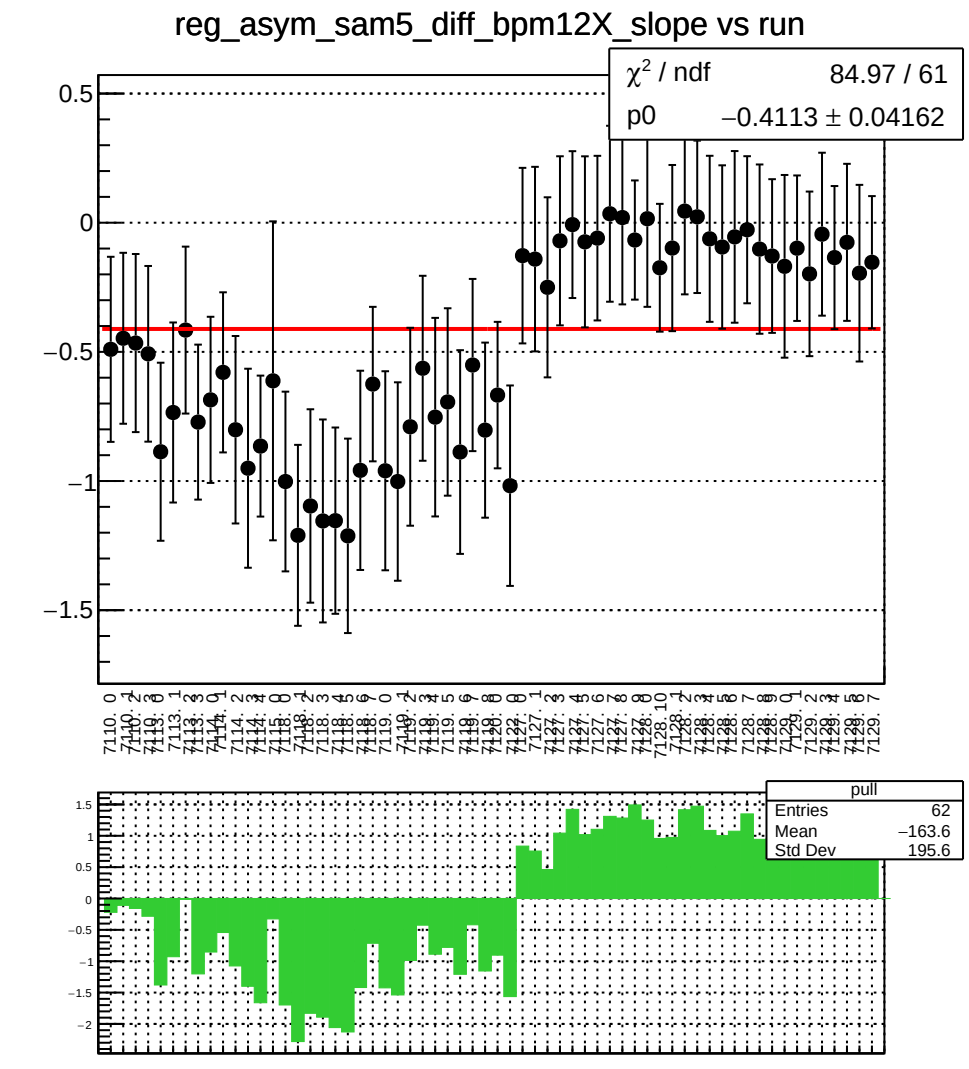

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 214.2 / 61
p0 −8.069 ± 1.013
pull
Entries 62
Mean 144.4
Std Dev 109.6
pull1D
Entries 62
Mean 0.1541
Std Dev 1.852

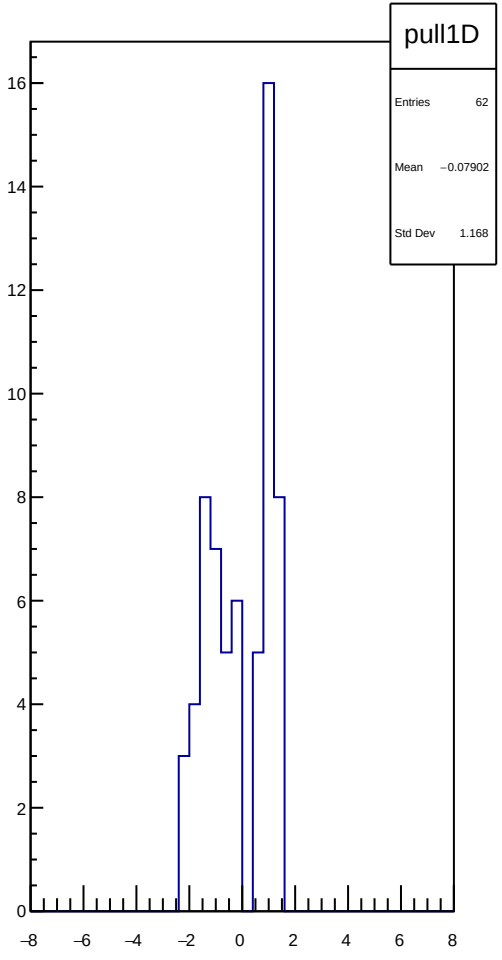

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 79.67 / 61
p0 51.76 ± 0.8705
pull
Entries 62
Mean 9580
Std Dev 9547
pull1D
Entries 62
Mean −0.001308
Std Dev 1.134

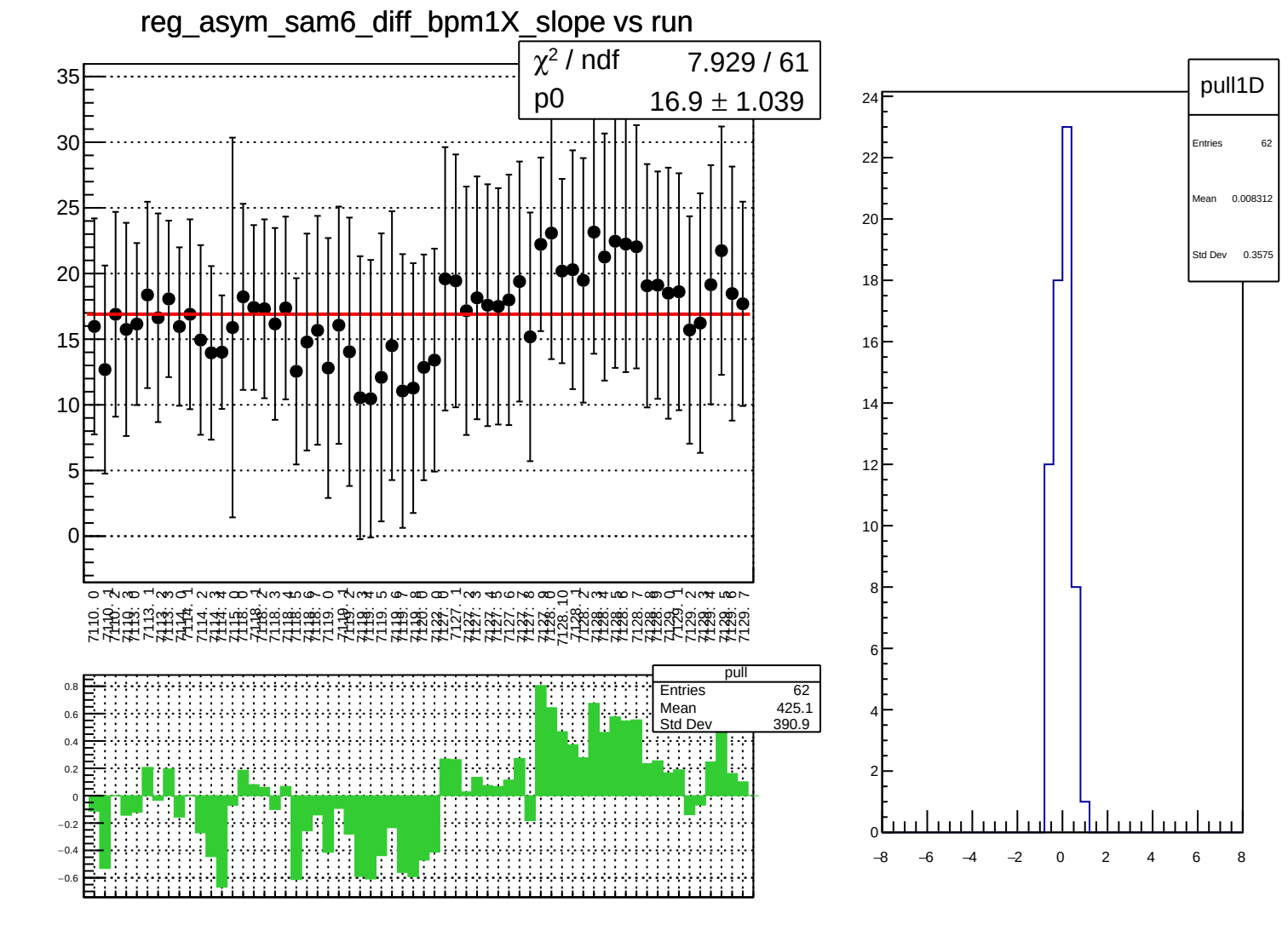

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 245 / 61
p0 9.554 ± 1.007
pull
Entries 62
Mean 163.9
Std Dev 131.9
pull1D
Entries 62
Mean −0.1864
Std Dev 1.979

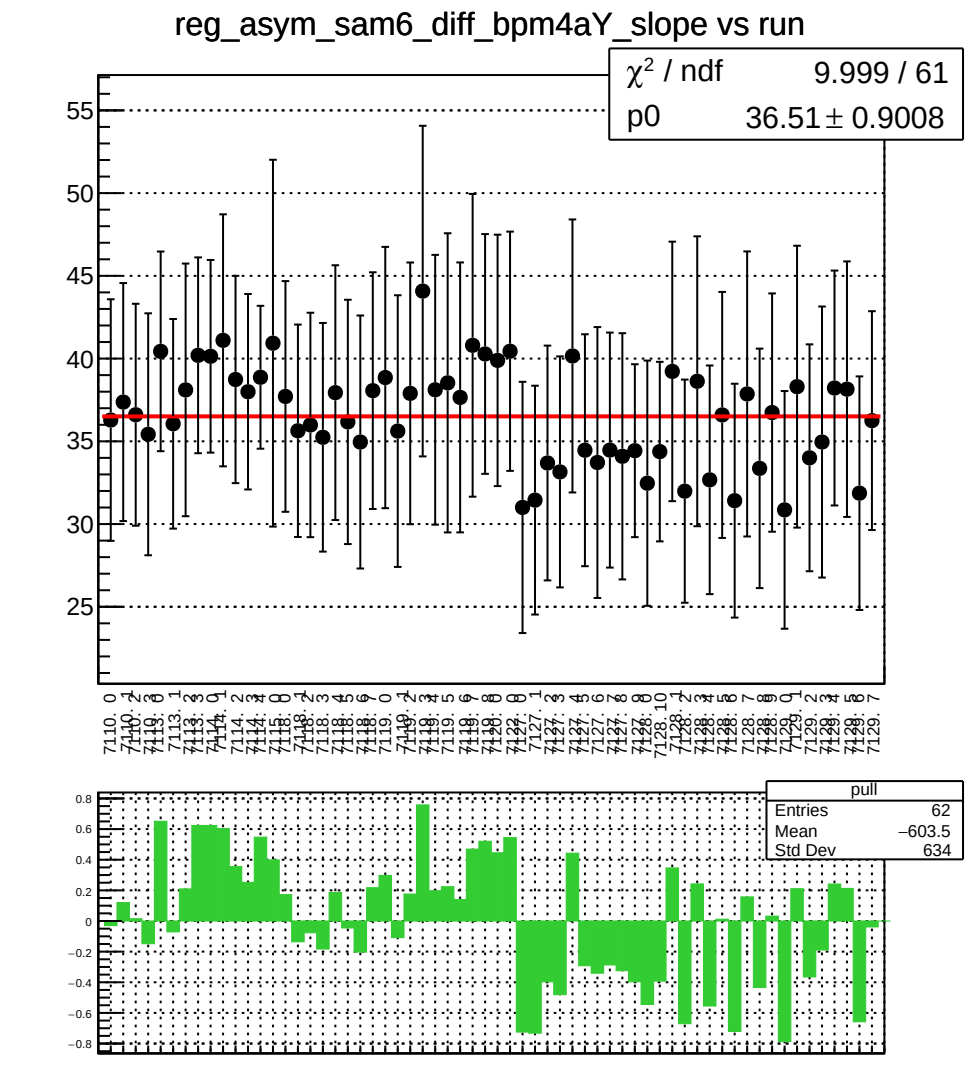

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 51.7 / 61
p0 91.2 ± 0.9176
pull
Entries 62
Mean −606
Std Dev 638.3

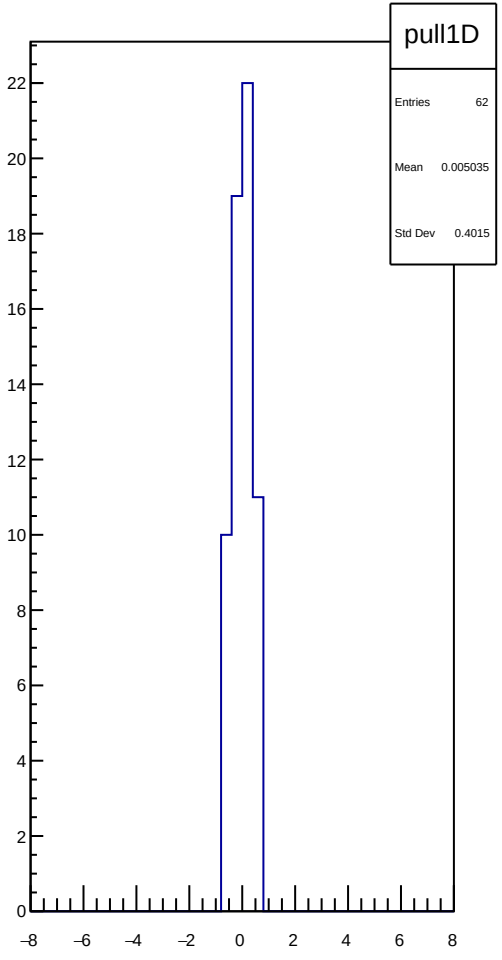

pull1D
Entries 62
Mean −0.01691
Std Dev 0.913

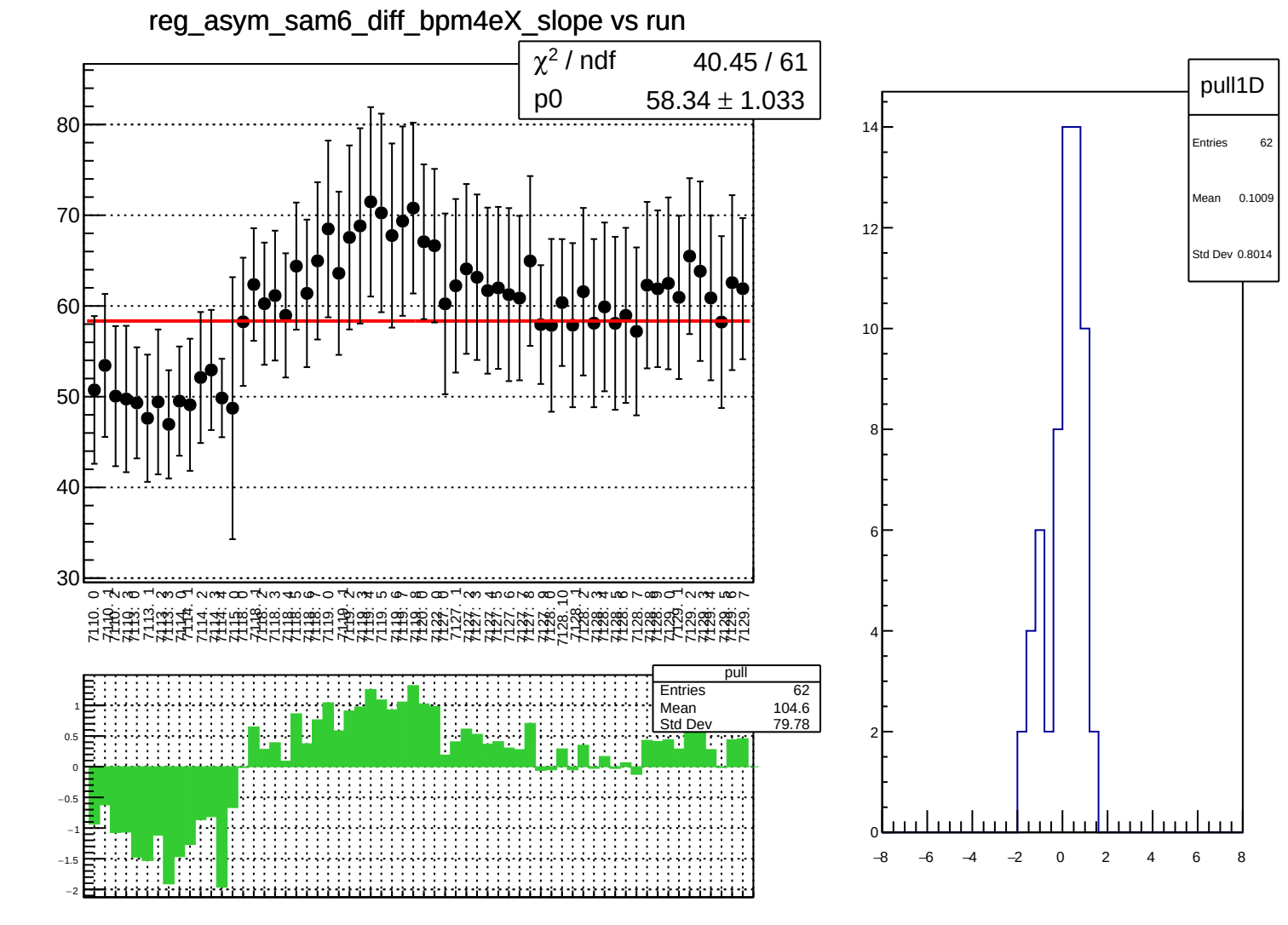

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 84.97 / 61
p0 −0.4113 ± 0.04162
pull
Entries 62
Mean −163.6
Std Dev 195.6

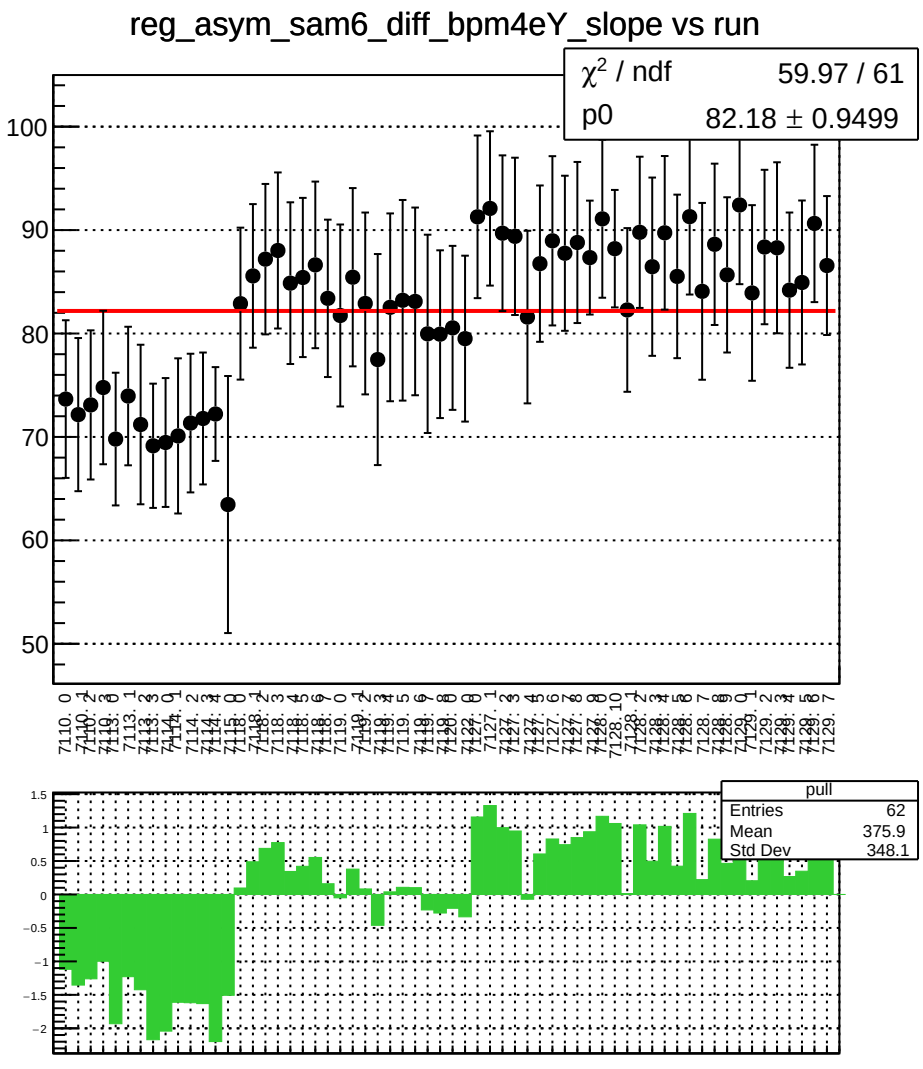

pull1D
Entries 62
Mean −0.07902
Std Dev 1.168

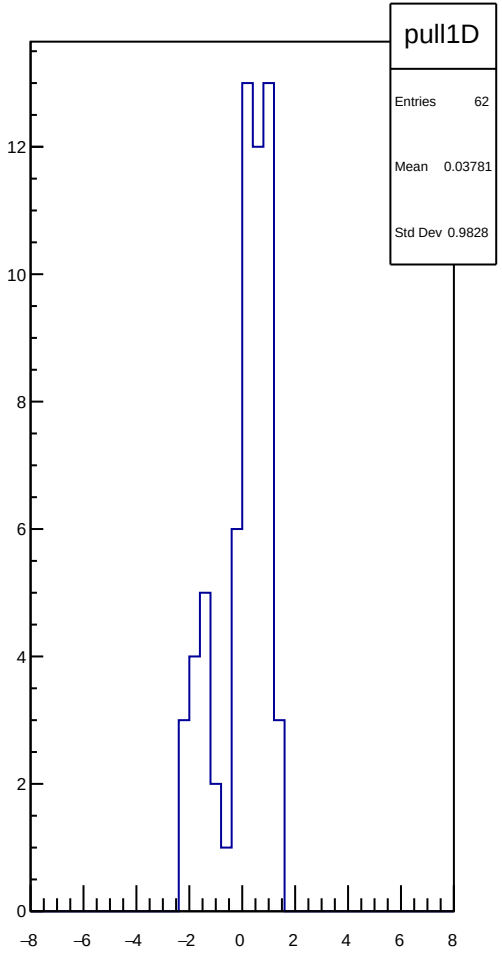

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.929 / 61
p0 16.9 ± 1.039
pull
Entries 62
Mean 425.1
Std Dev 390.9
pull1D
Entries 62
Mean 0.008312
Std Dev 0.3575

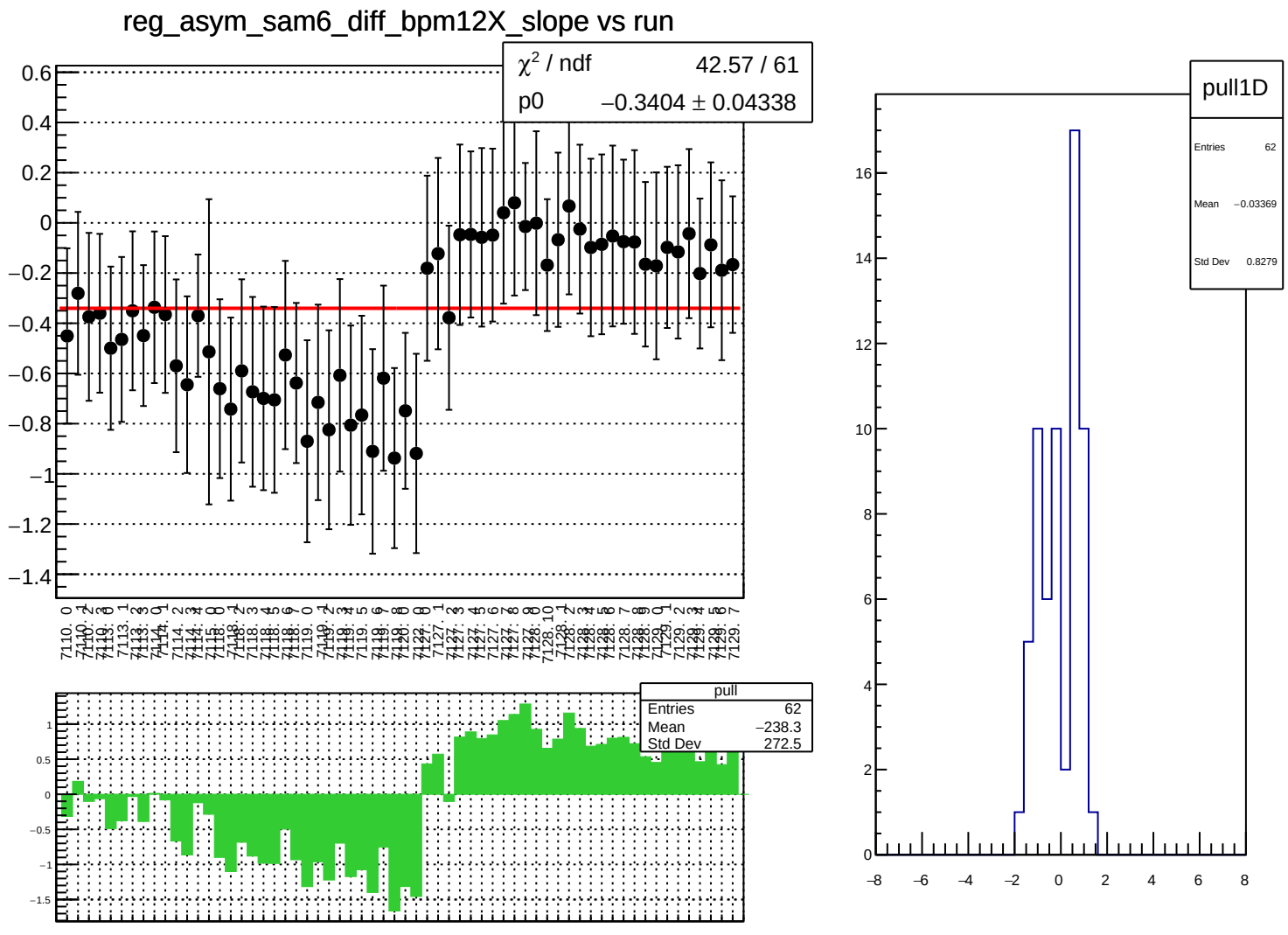

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 9.999 / 61
p0 36.51 ± 0.9008
pull
Entries 62
Mean −603.5
Std Dev 634

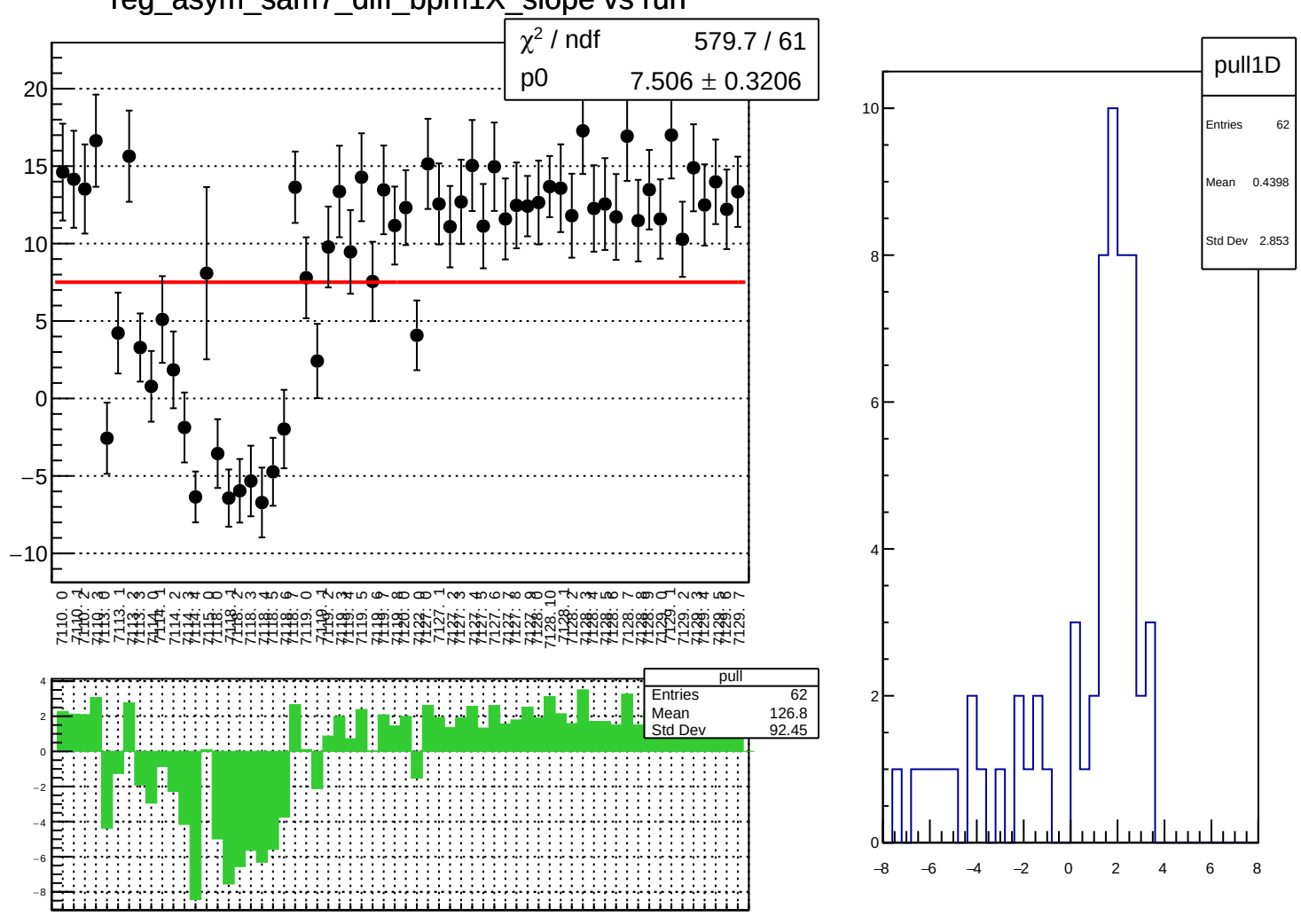

pull1D
Entries 62
Mean 0.005035
Std Dev 0.4015

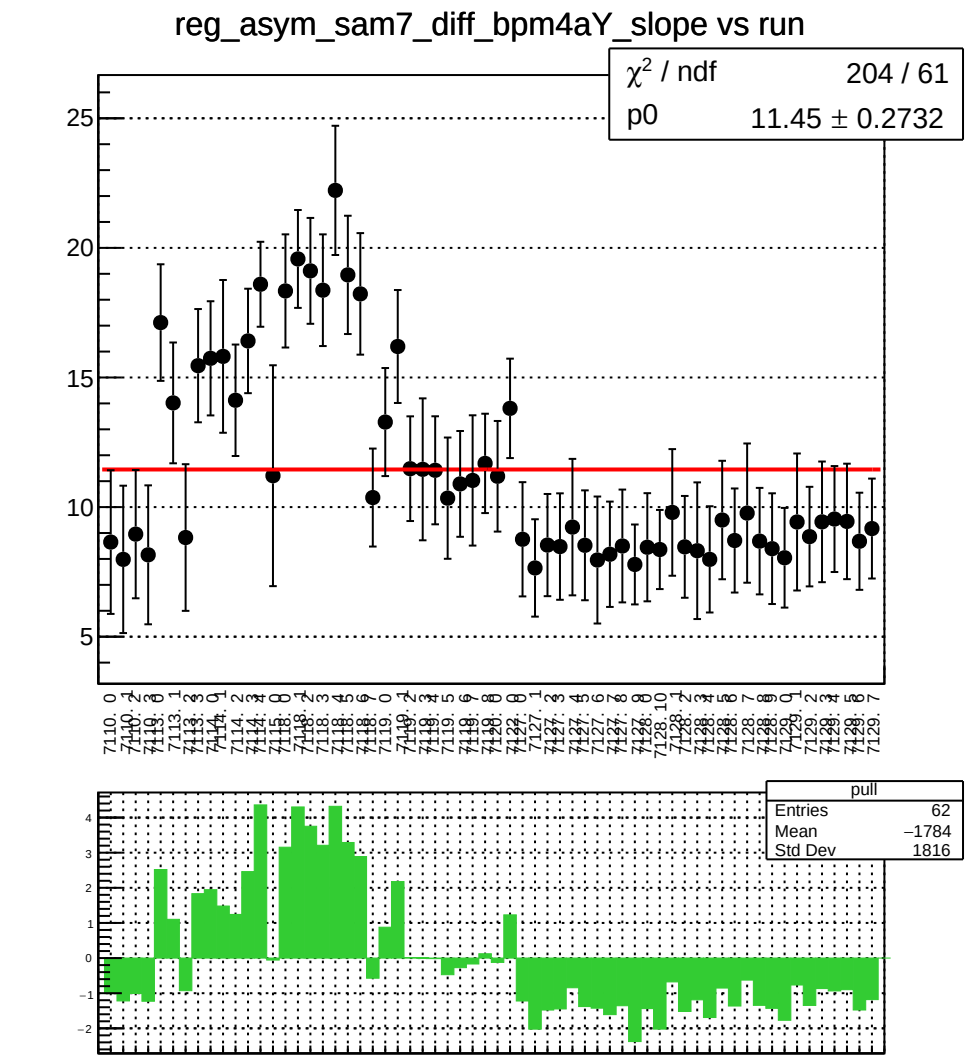

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 40.45 / 61
p0 58.34 ± 1.033
pull
Entries 62
Mean 104.6
Std Dev 79.78
pull1D
Entries 62
Mean 0.1009
Std Dev 0.8014

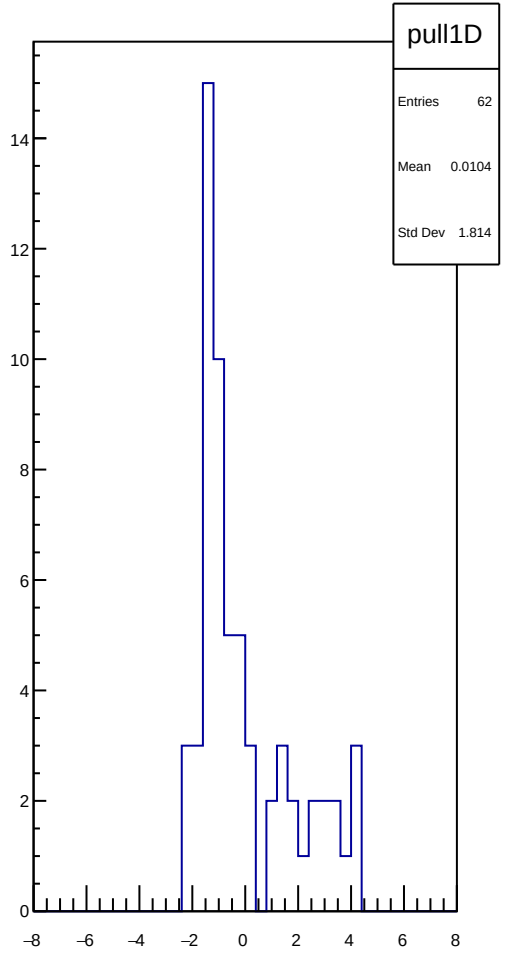

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 59.97 / 61
p0 82.18 ± 0.9499
pull
Entries 62
Mean 375.9
Std Dev 348.1

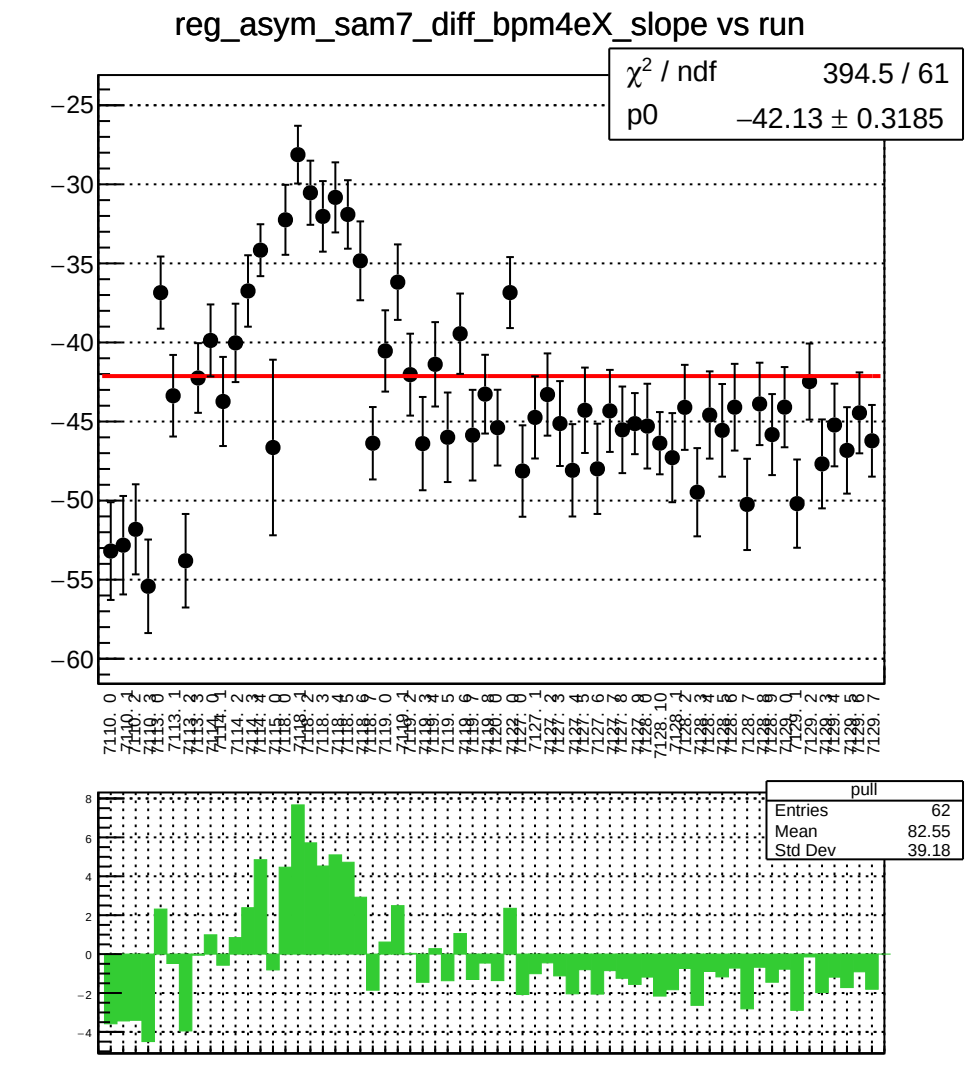

pull1D
Entries 62
Mean 0.03781
Std Dev 0.9828

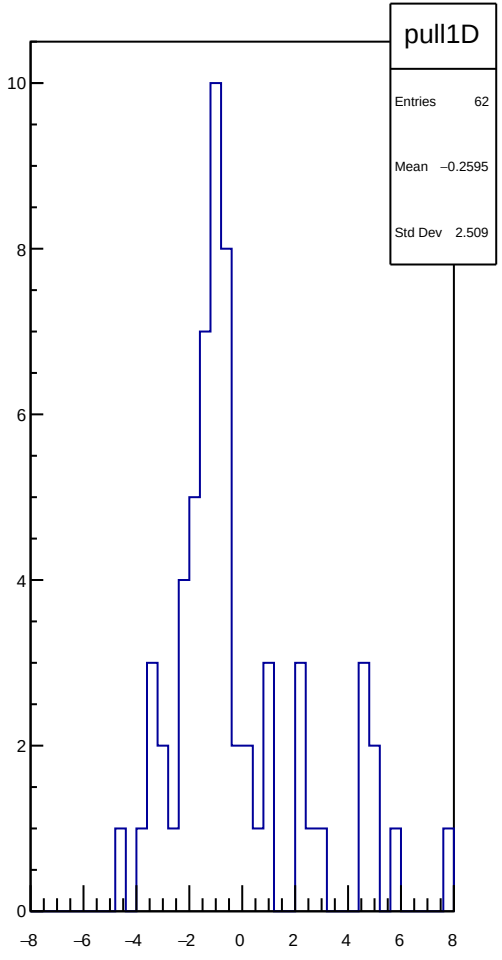

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 42.57 / 61
p0 −0.3404 ± 0.04338
pull
Entries 62
Mean −238.3
Std Dev 272.5
pull1D
Entries 62
Mean −0.03369
Std Dev 0.8279

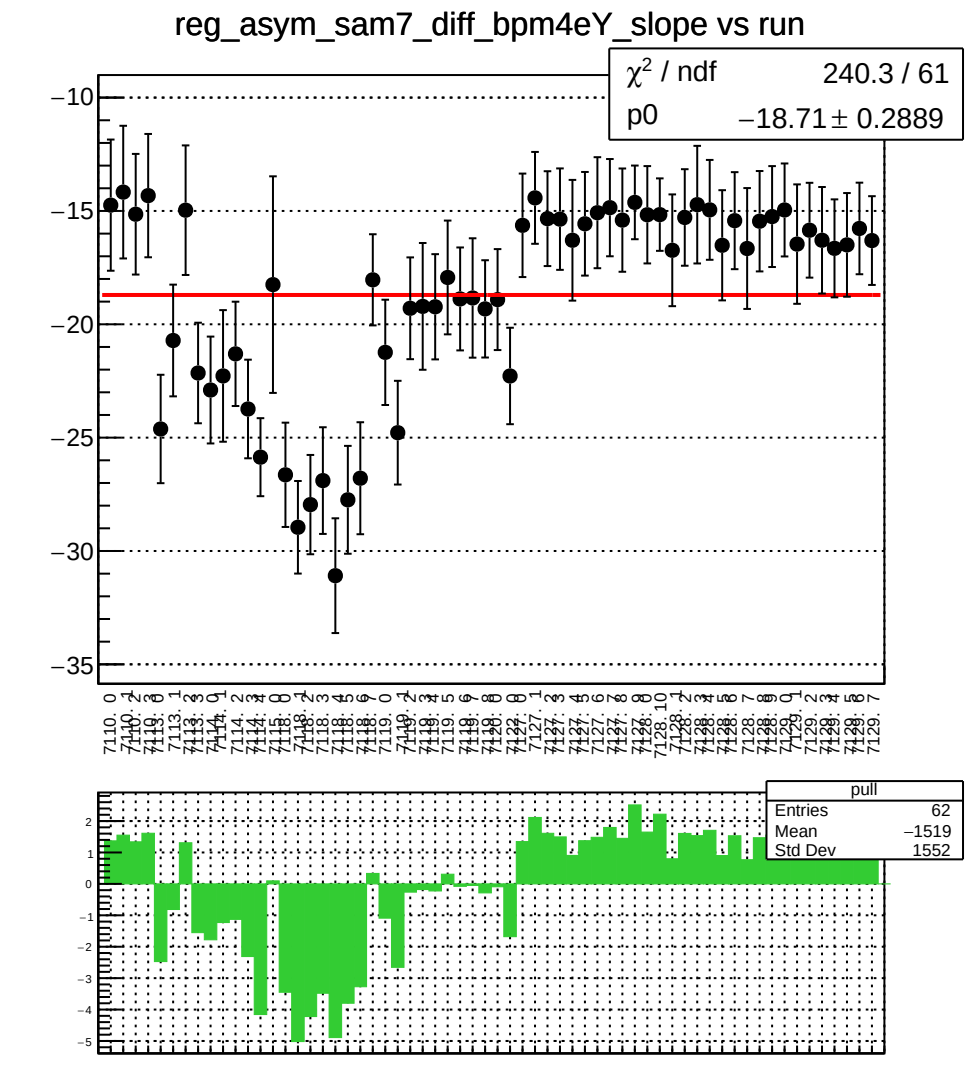

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 579.7 / 61
p0 7.506 ± 0.3206
pull
Entries 62
Mean 126.8
Std Dev 92.45
pull1D
Entries 62
Mean 0.4398
Std Dev 2.853

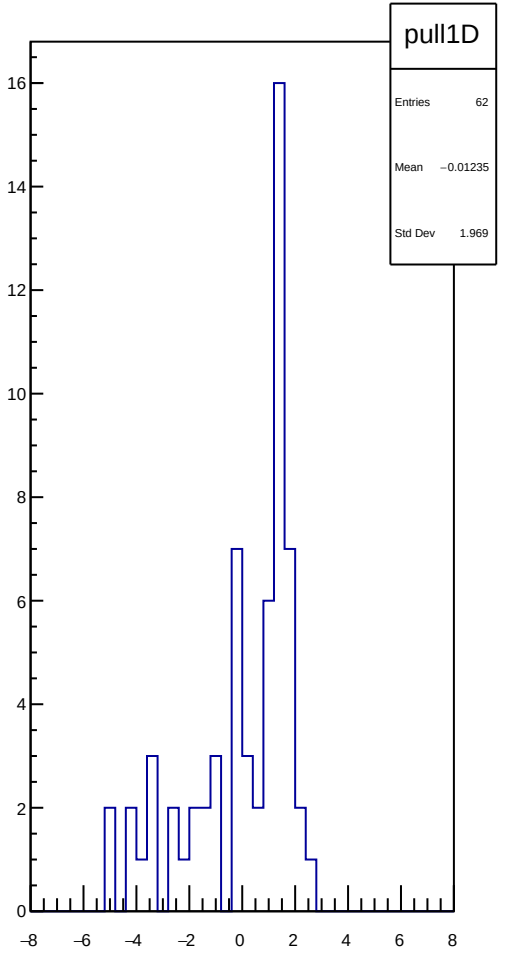

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 204 / 61
p0 11.45 ± 0.2732
pull
Entries 62
Mean −1784
Std Dev 1816

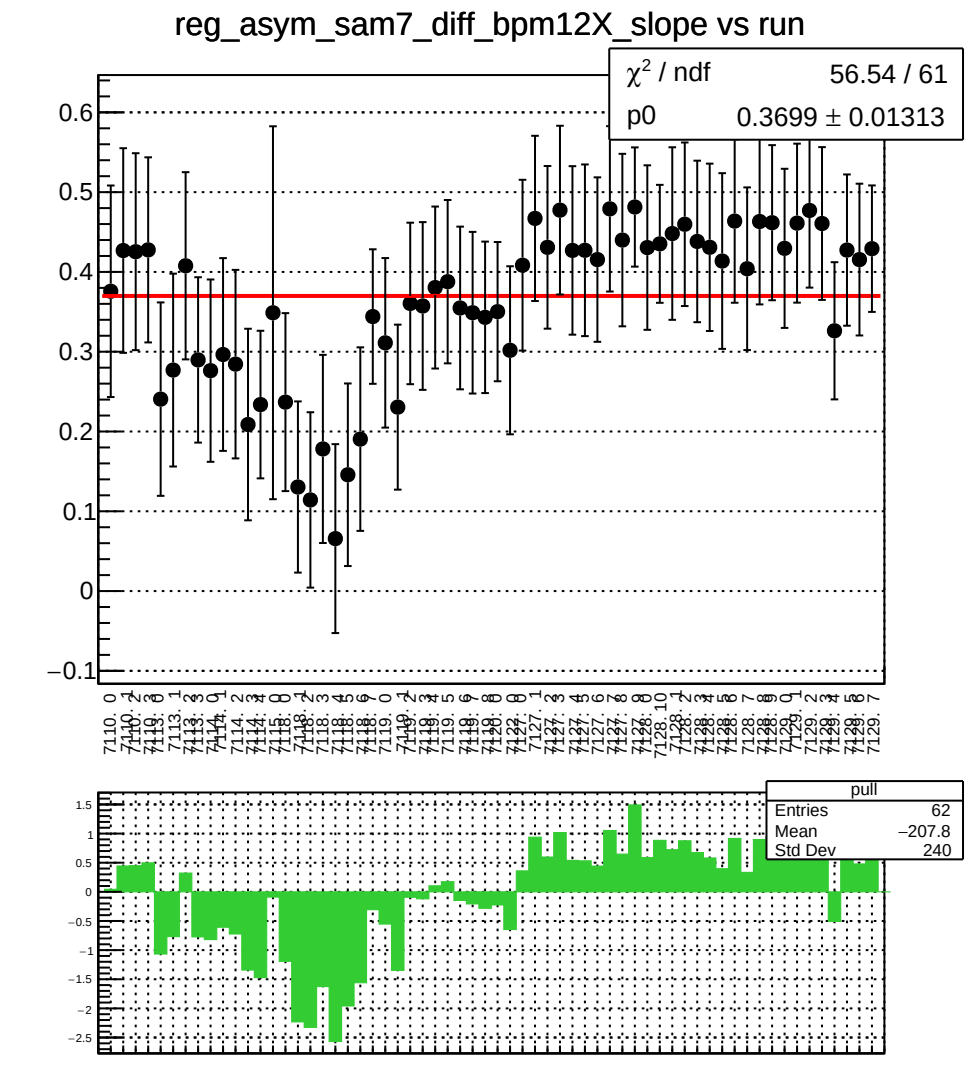

pull1D
Entries 62
Mean 0.0104
Std Dev 1.814

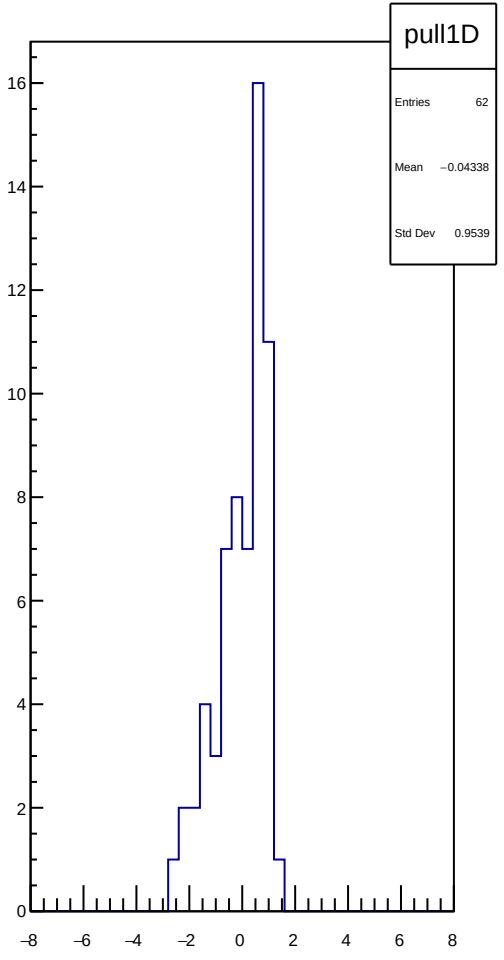

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 394.5 / 61
p0 −42.13 ± 0.3185
pull
Entries 62
Mean 82.55
Std Dev 39.18

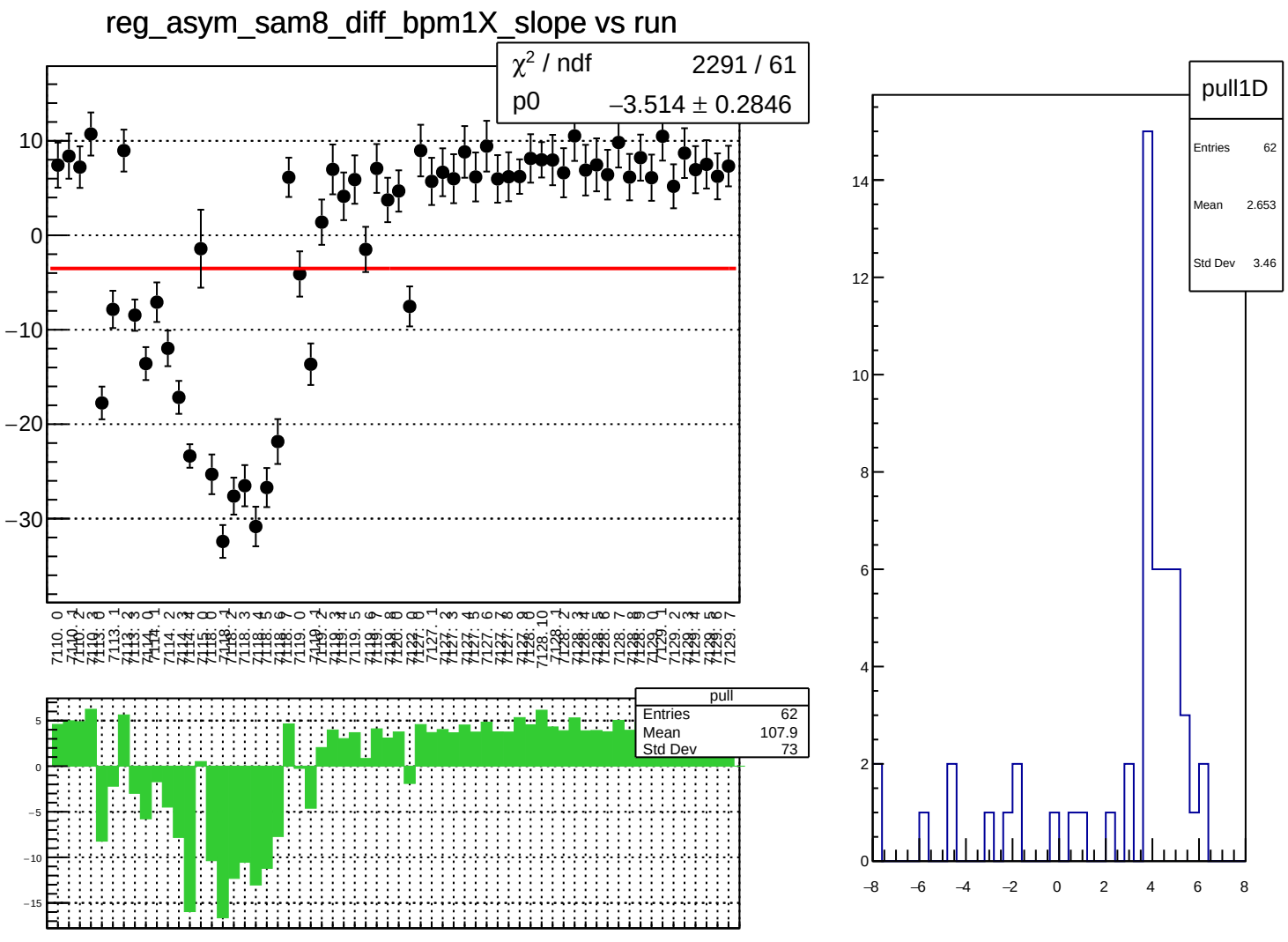

pull1D
Entries 62
Mean −0.2595
Std Dev 2.509

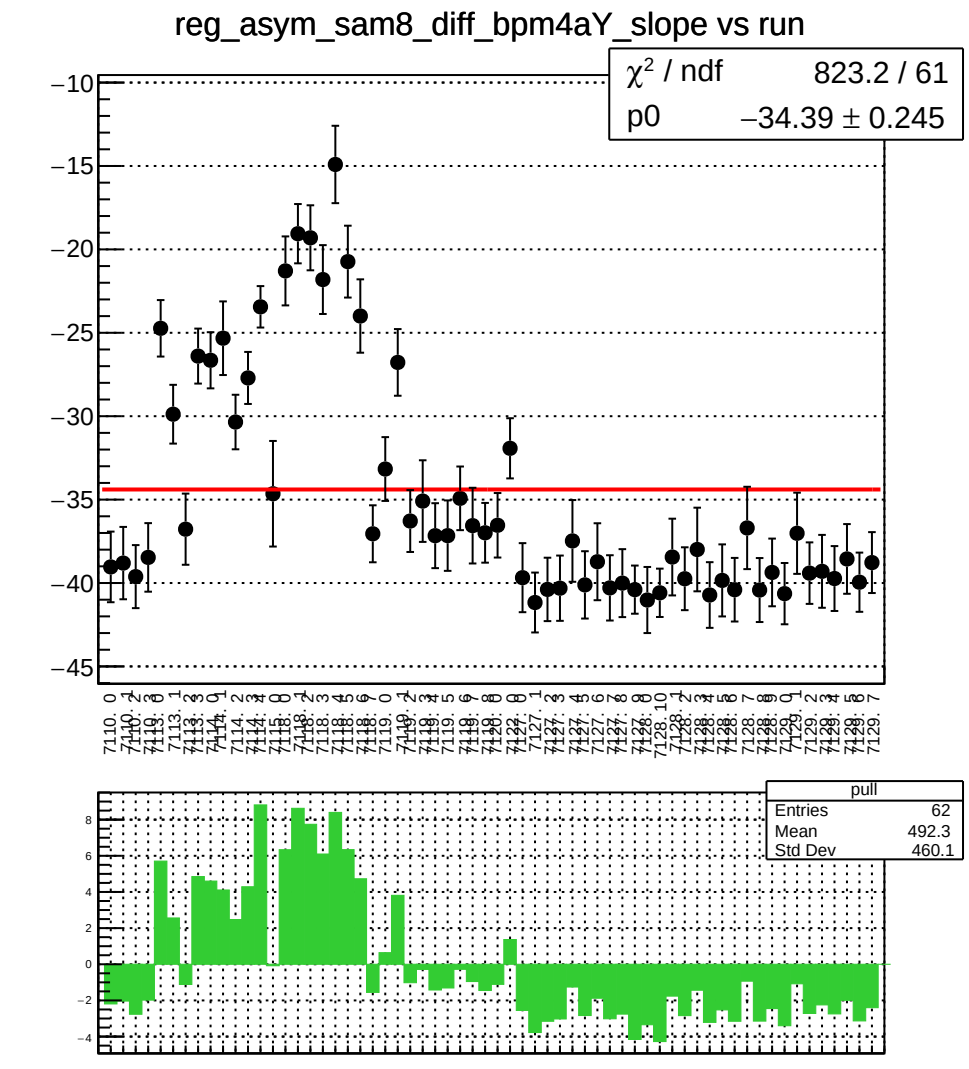

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 240.3 / 61
p0 −18.71 ± 0.2889
pull
Entries 62
Mean −1519
Std Dev 1552

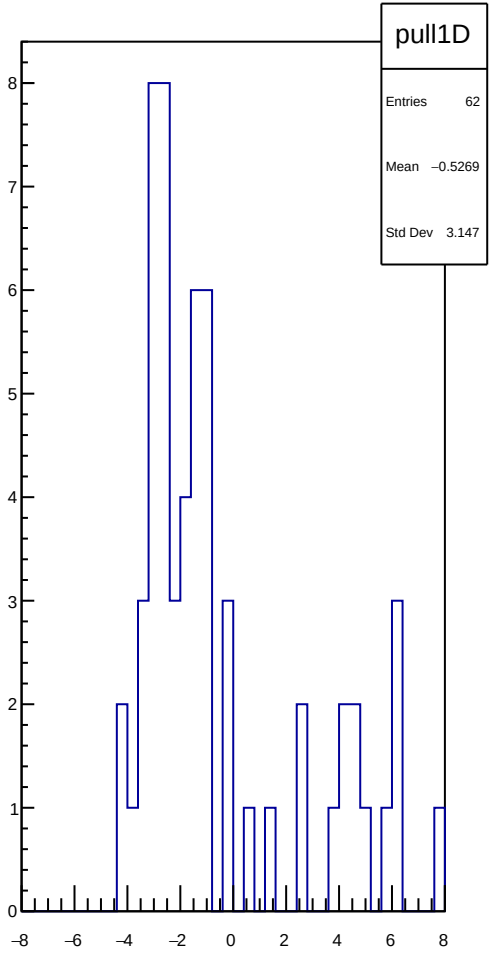

pull1D
Entries 62
Mean −0.01235
Std Dev 1.969

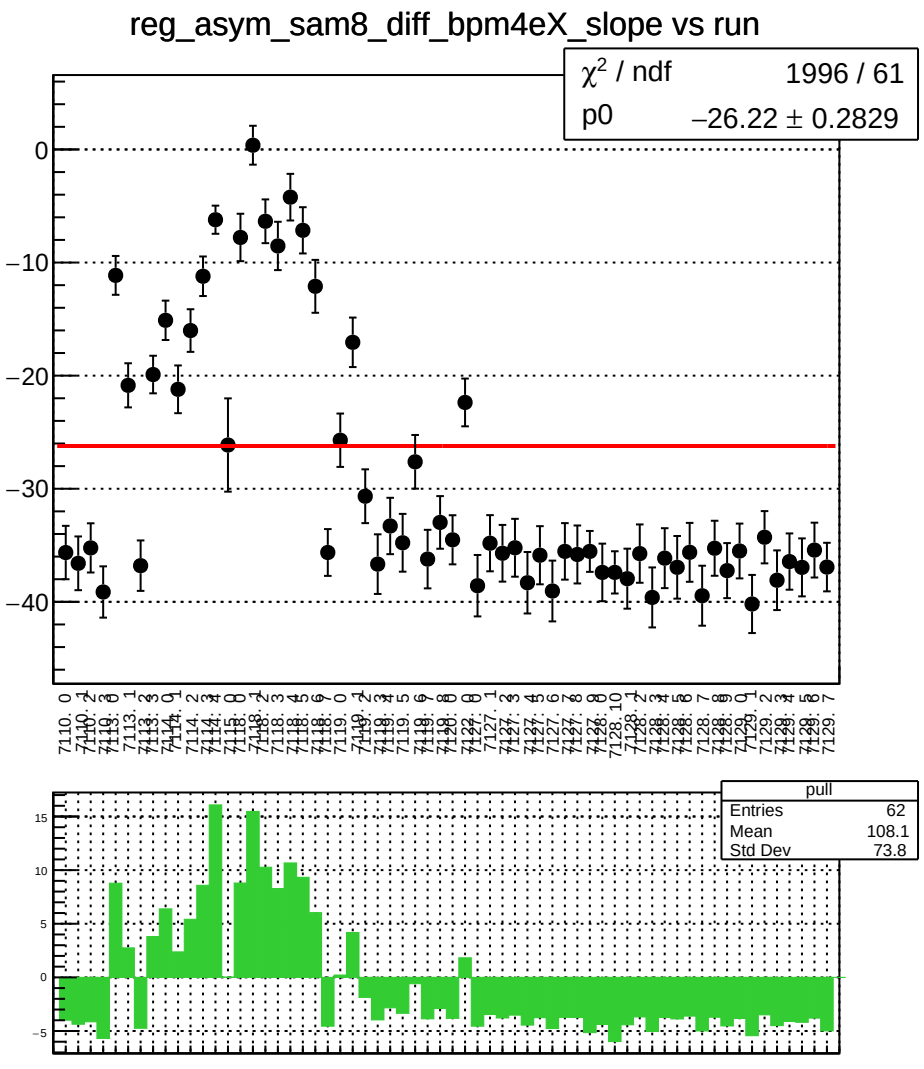

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 56.54 / 61
p0 0.3699 ± 0.01313
pull
Entries 62
Mean −207.8
Std Dev 240

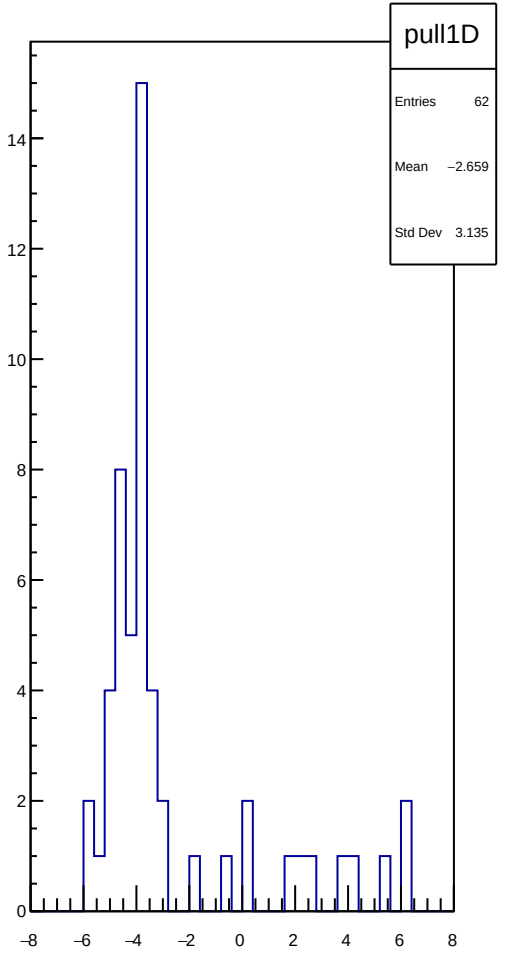

pull1D
Entries 62
Mean −0.04338
Std Dev 0.9539

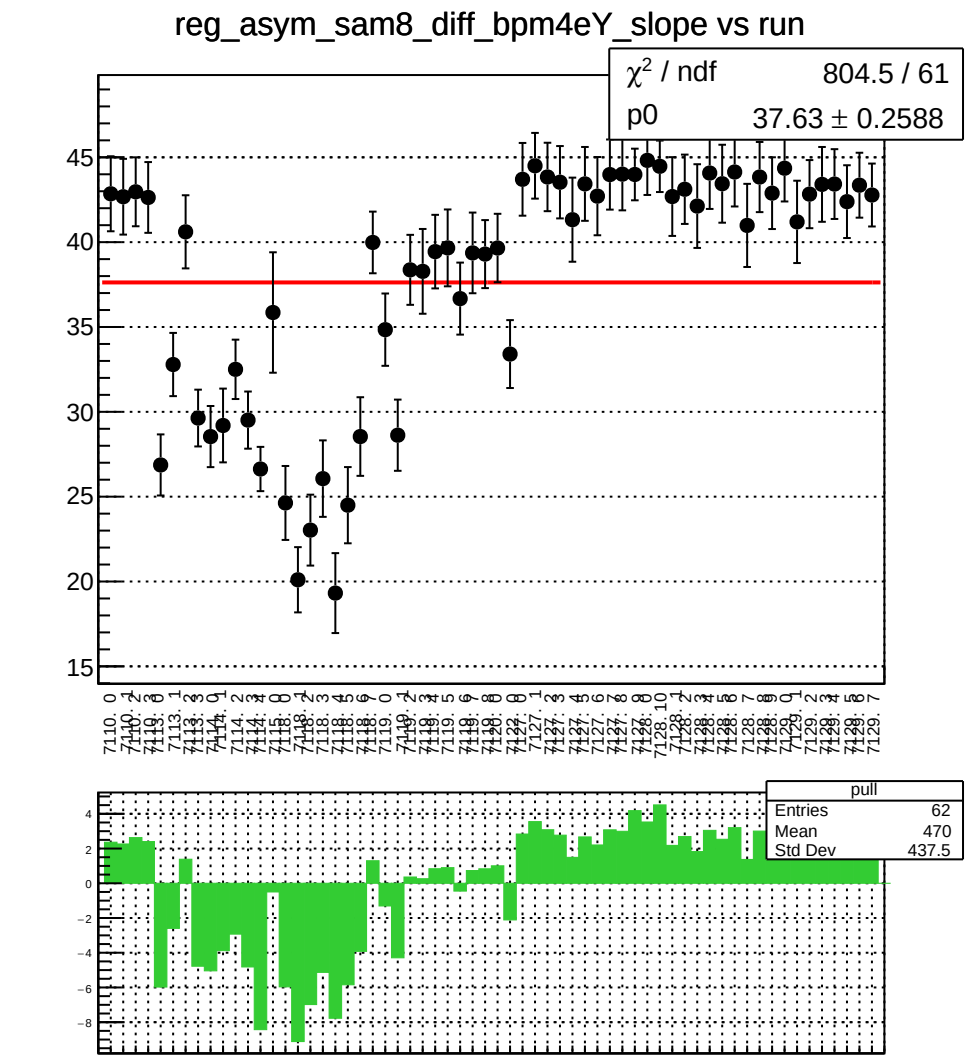

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 2291 / 61
p0 −3.514 ± 0.2846
pull
Entries 62
Mean 107.9
Std Dev 73
pull1D
Entries 62
Mean 2.653
Std Dev 3.46

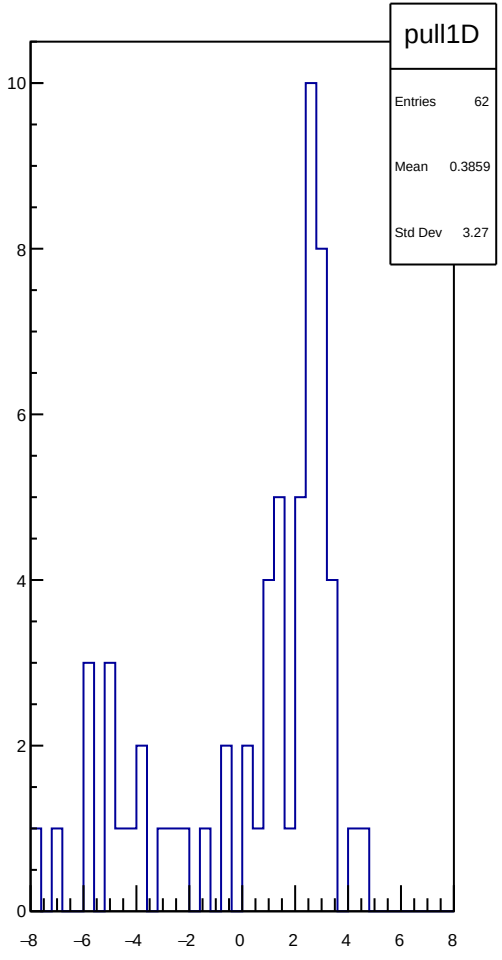

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 823.2 / 61
p0 −34.39 ± 0.245
pull
Entries 62
Mean 492.3
Std Dev 460.1

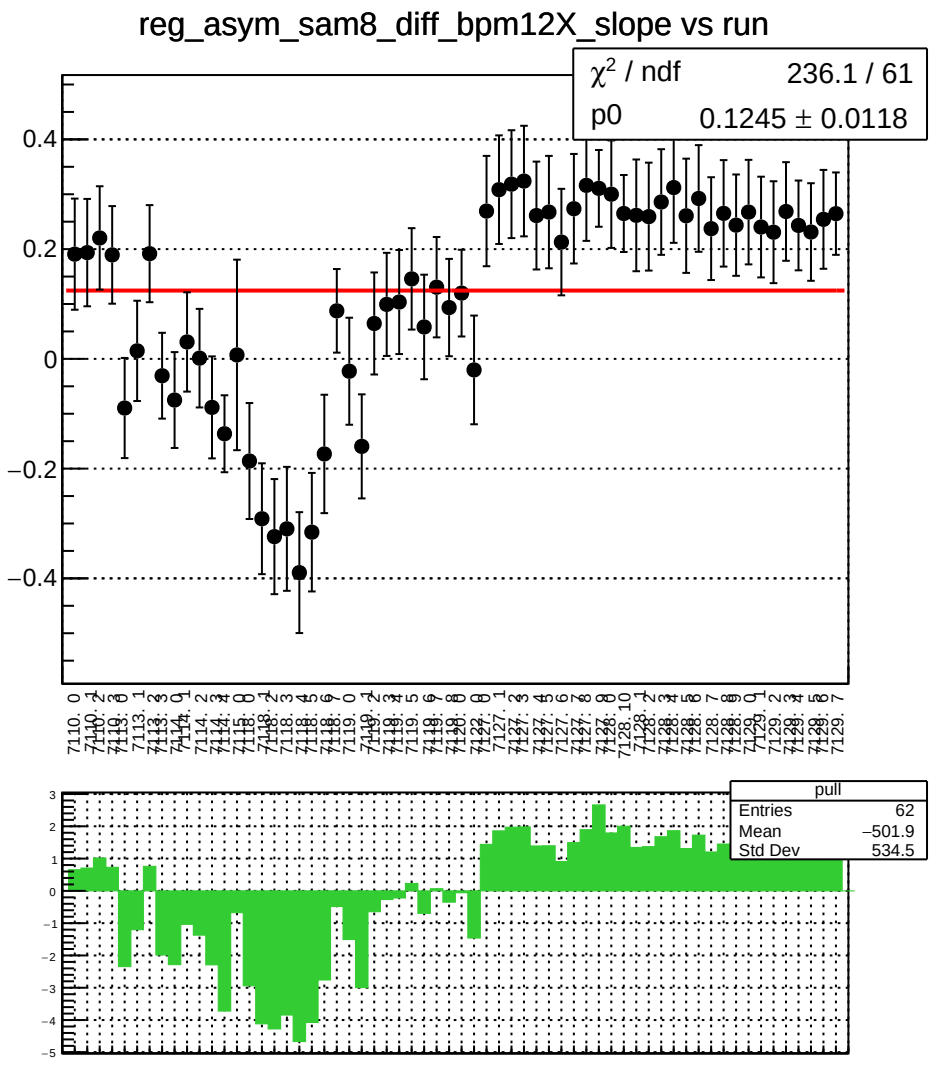

pull1D
Entries 62
Mean −0.5269
Std Dev 3.147

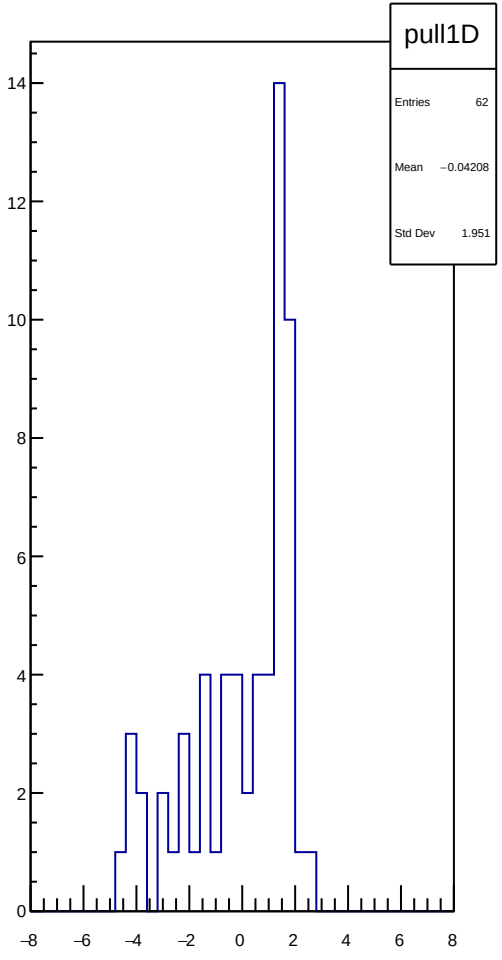

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 1996 / 61
p0 −26.22 ± 0.2829
pull
Entries 62
Mean 108.1
Std Dev 73.8

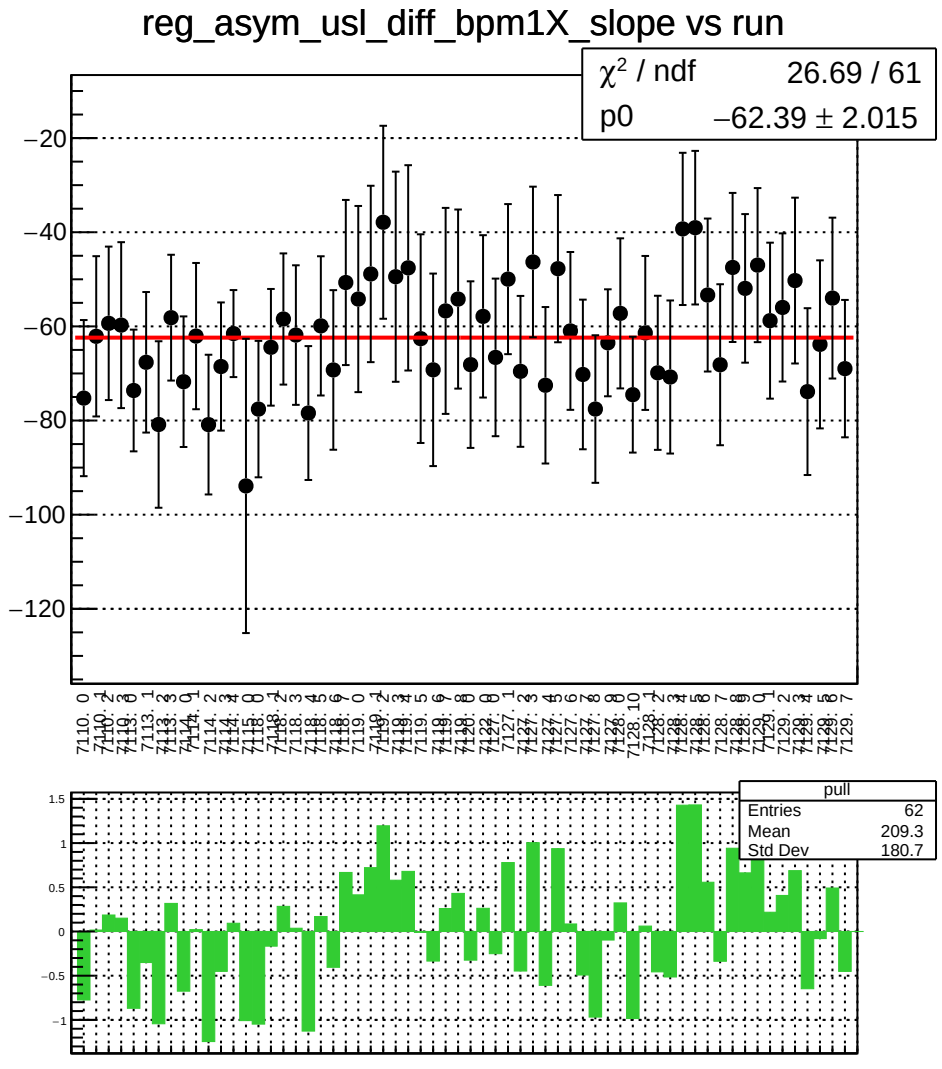

pull1D
Entries 62
Mean −2.659
Std Dev 3.135

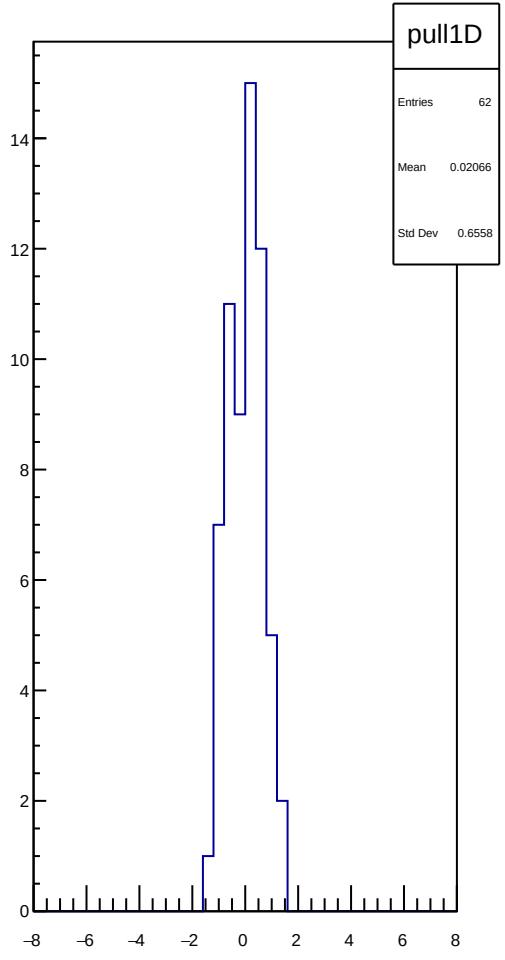

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 804.5 / 61
p0 37.63 ± 0.2588
pull
Entries 62
Mean 470
Std Dev 437.5

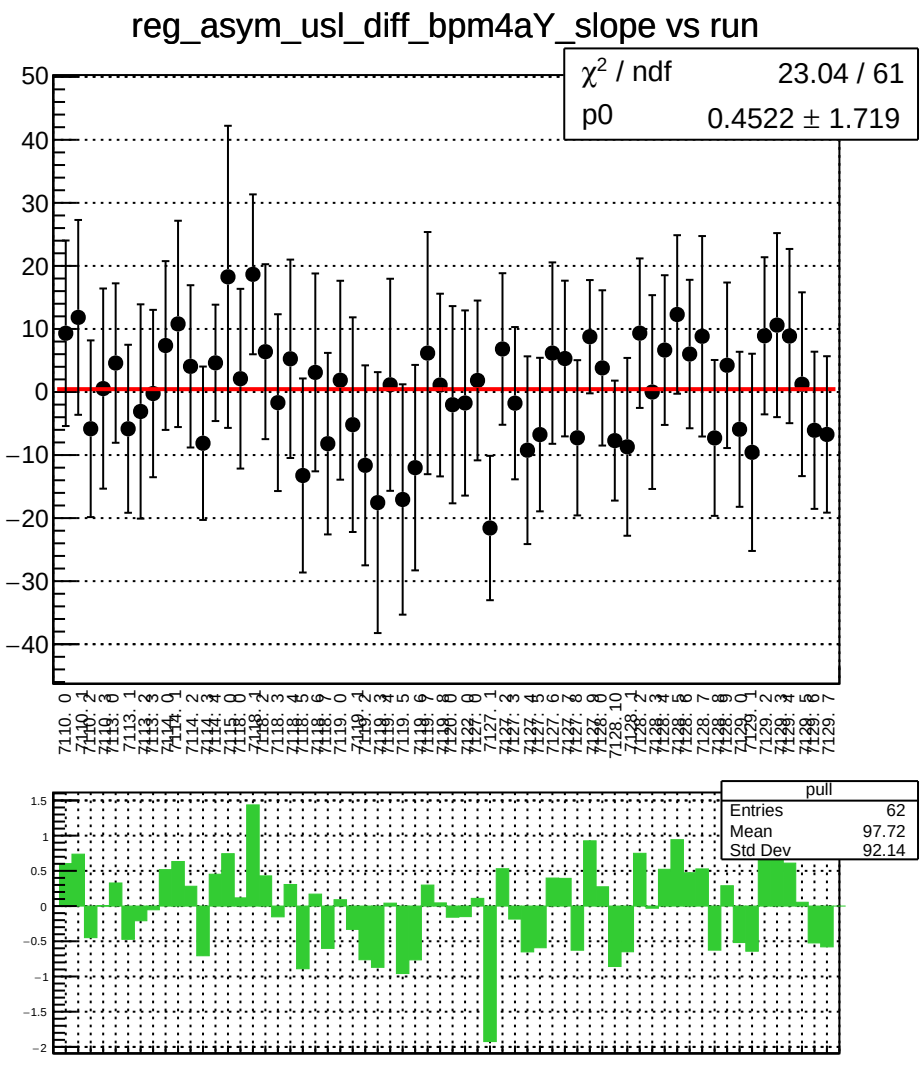

pull1D
Entries 62
Mean 0.3859
Std Dev 3.27

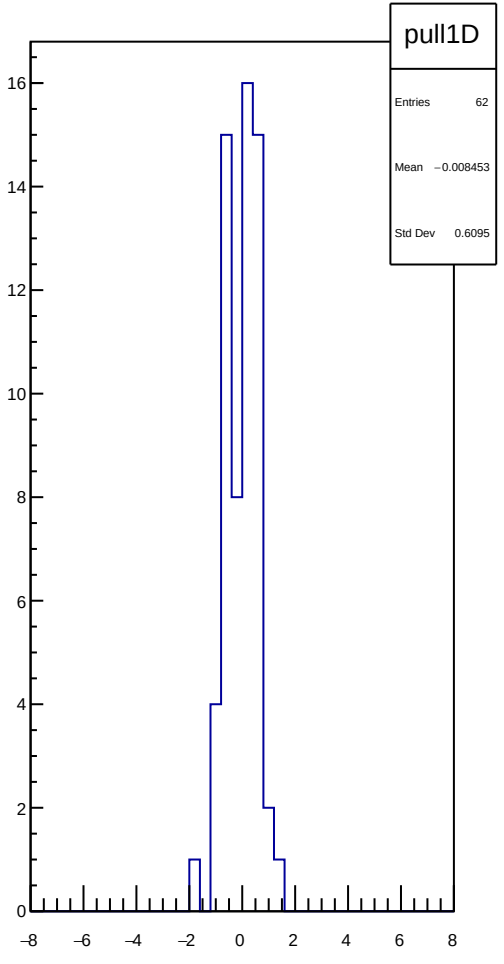

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 236.1 / 61
p0 0.1245 ± 0.0118
pull
Entries 62
Mean −501.9
Std Dev 534.5

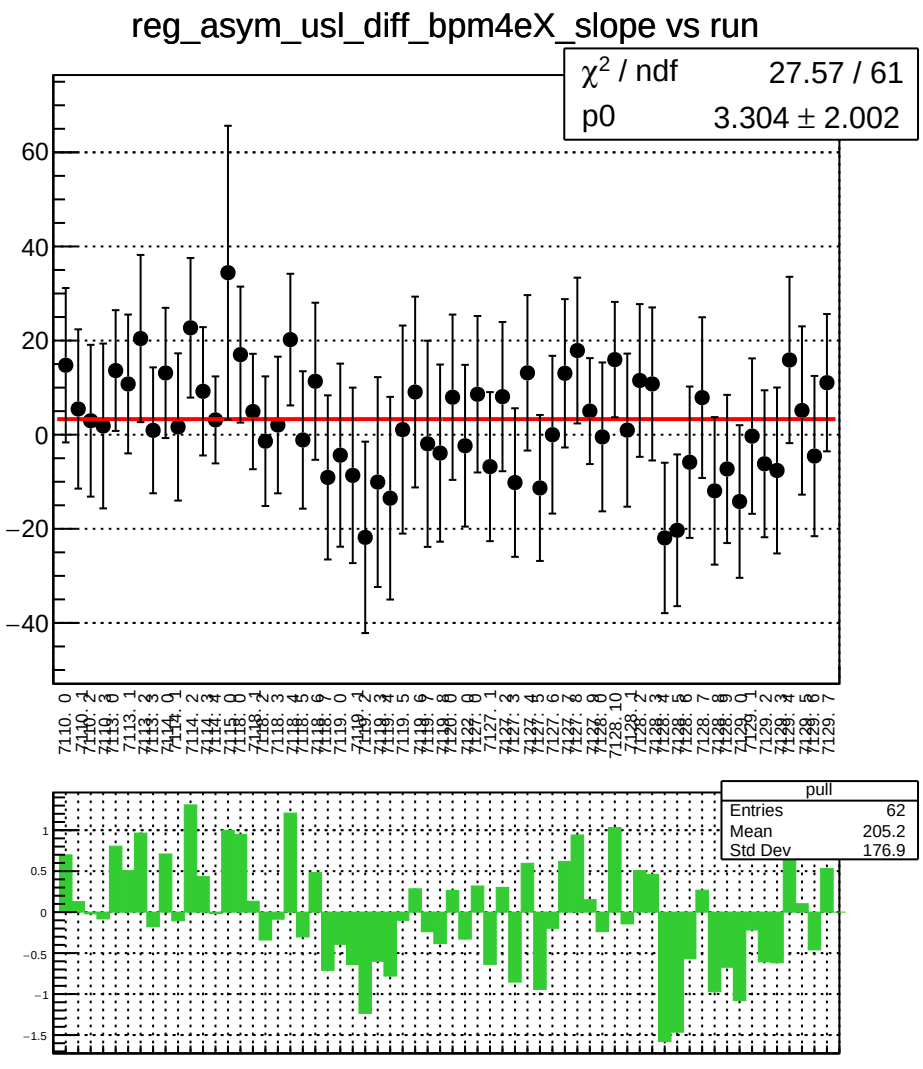

pull1D
Entries 62
Mean −0.04208
Std Dev 1.951

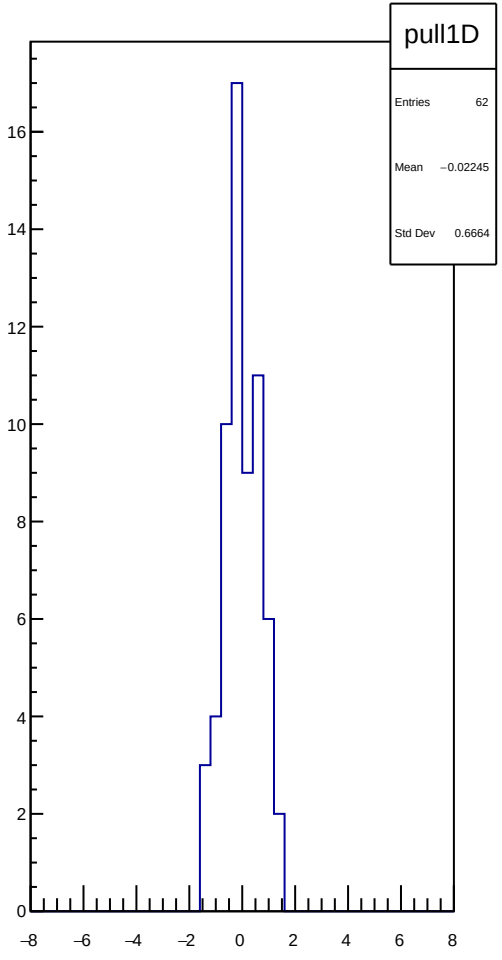

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 26.69 / 61
p0 −62.39 ± 2.015
−20
−40
−60
−80
−100
−120
pull
Entries 62
Mean 209.3
Std Dev 180.7
1.5
1
0.5
0
−0.5
−1

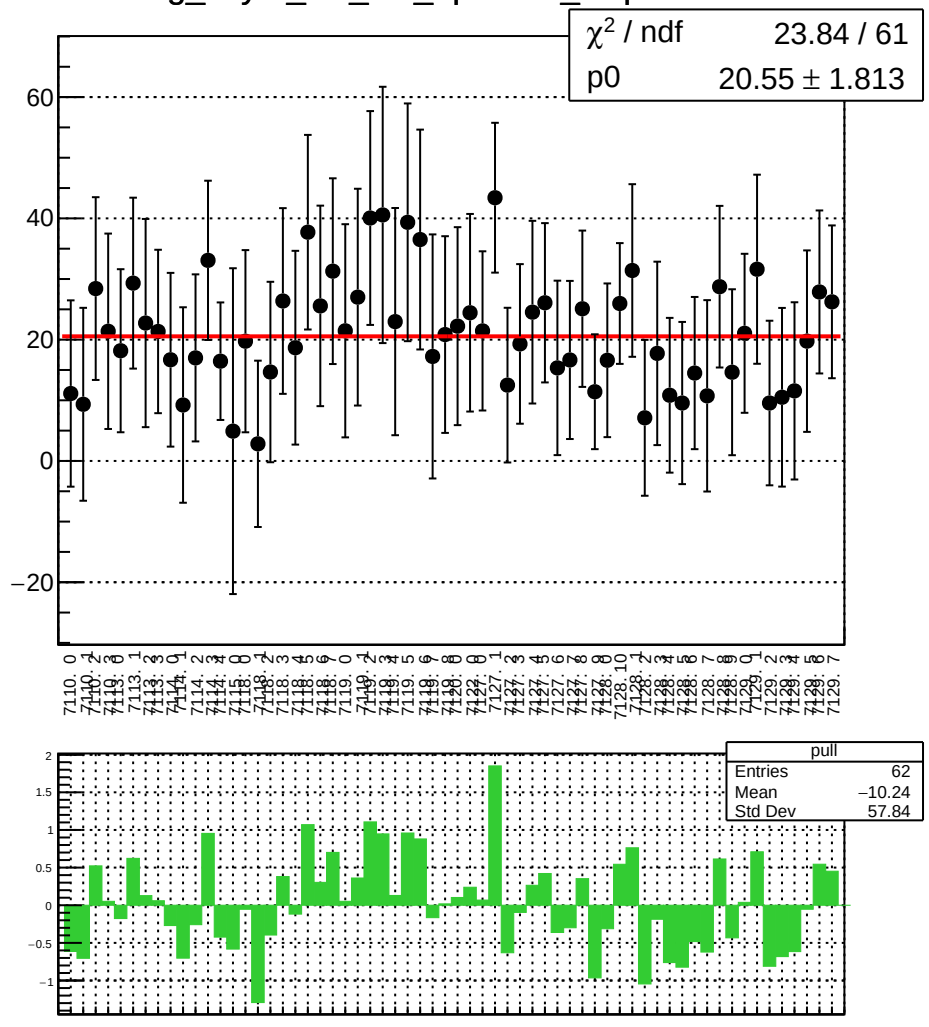

pull1D
Entries 62
Mean 0.02066
Std Dev 0.6558
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

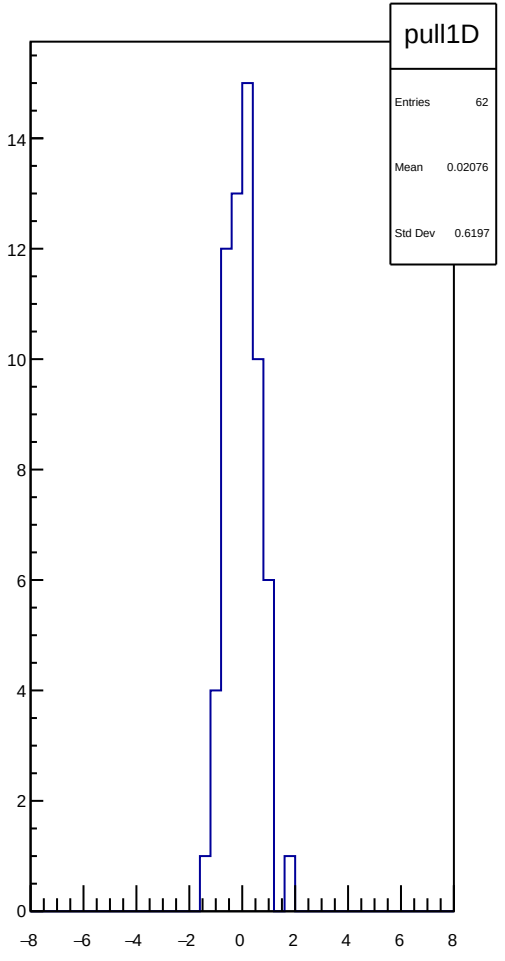

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 23.04 / 61
p0 0.4522 ± 1.719
pull
Entries 62
Mean 97.72
Std Dev 92.14

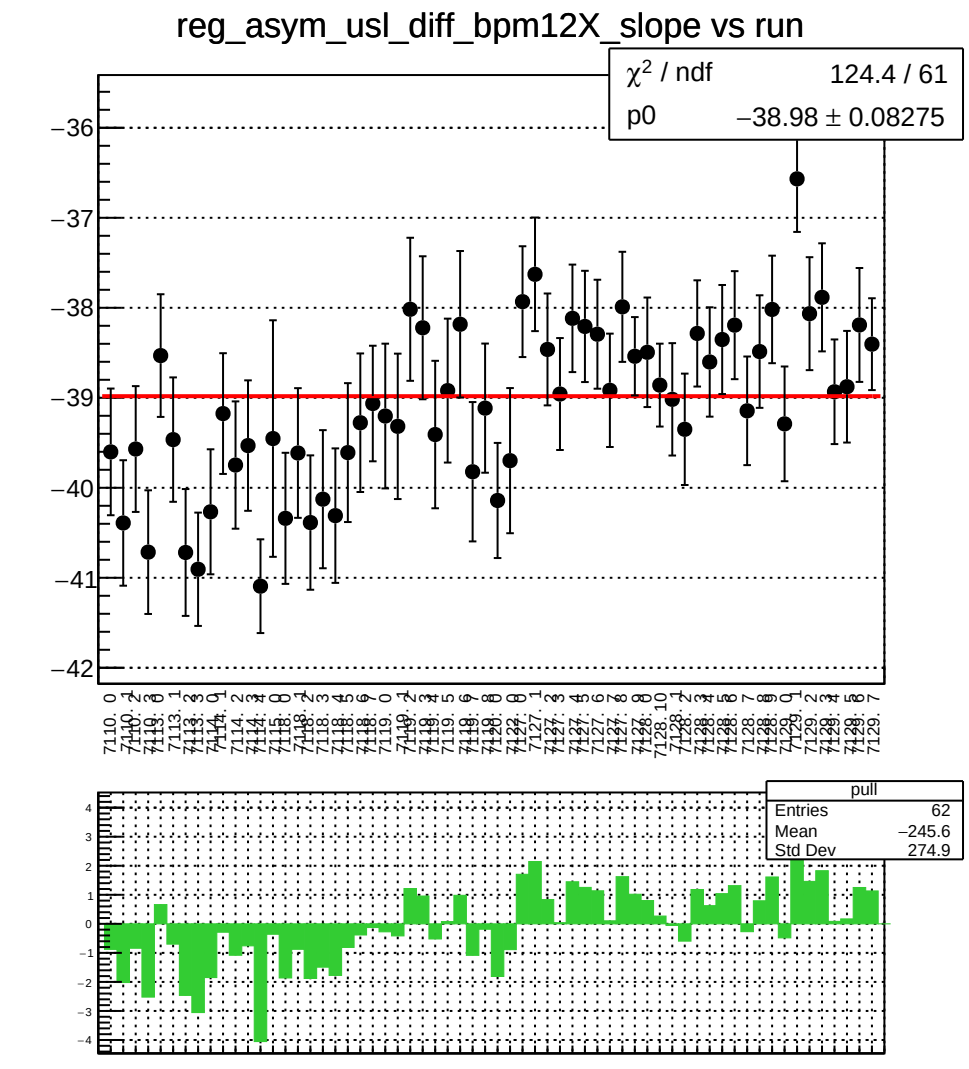

pull1D
Entries 62
Mean −0.008453
Std Dev 0.6095

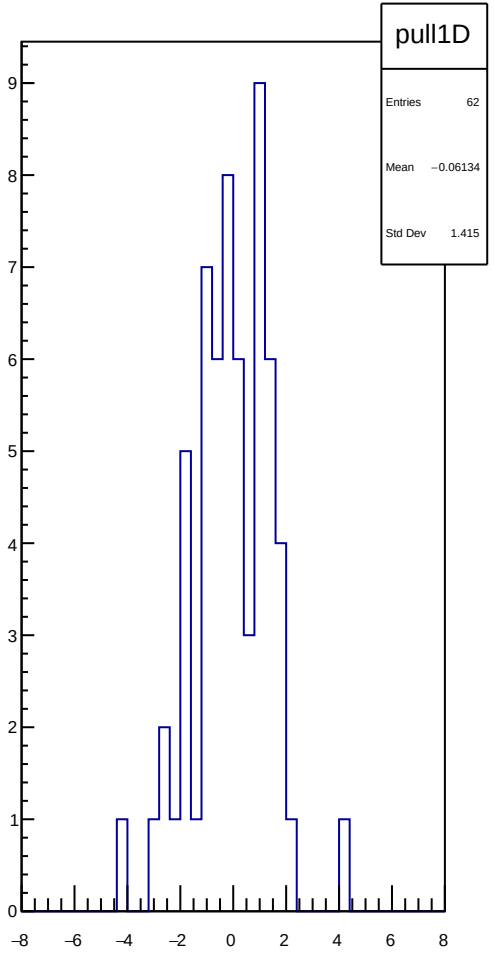

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 27.57 / 61
p0 3.304 ± 2.002
pull
Entries 62
Mean 205.2
Std Dev 176.9

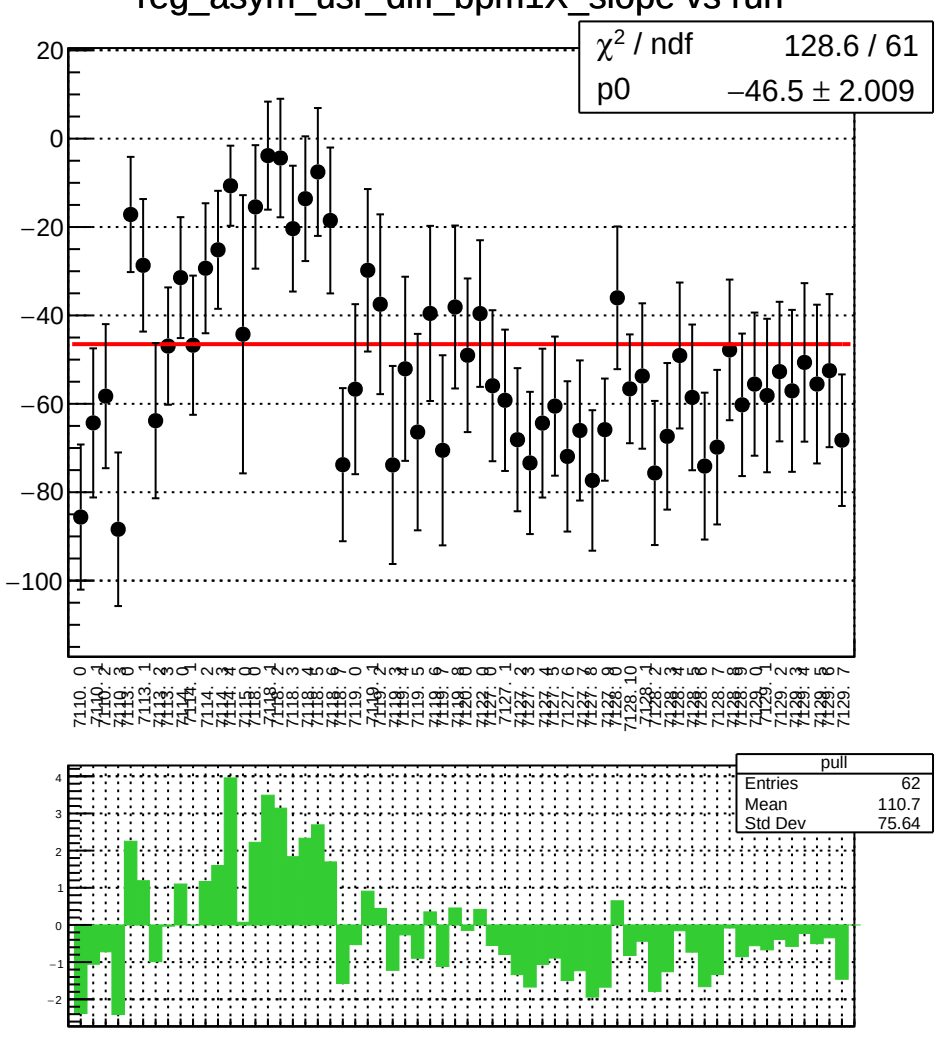

pull1D
Entries 62
Mean −0.02245
Std Dev 0.6664

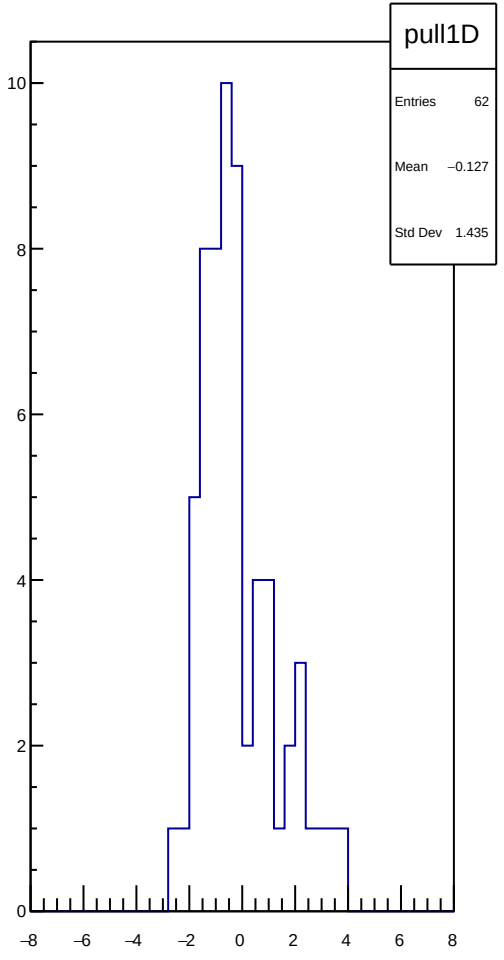

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 23.84 / 61
p0 20.55 ± 1.813
pull
Entries 62
Mean −10.24
Std Dev 57.84

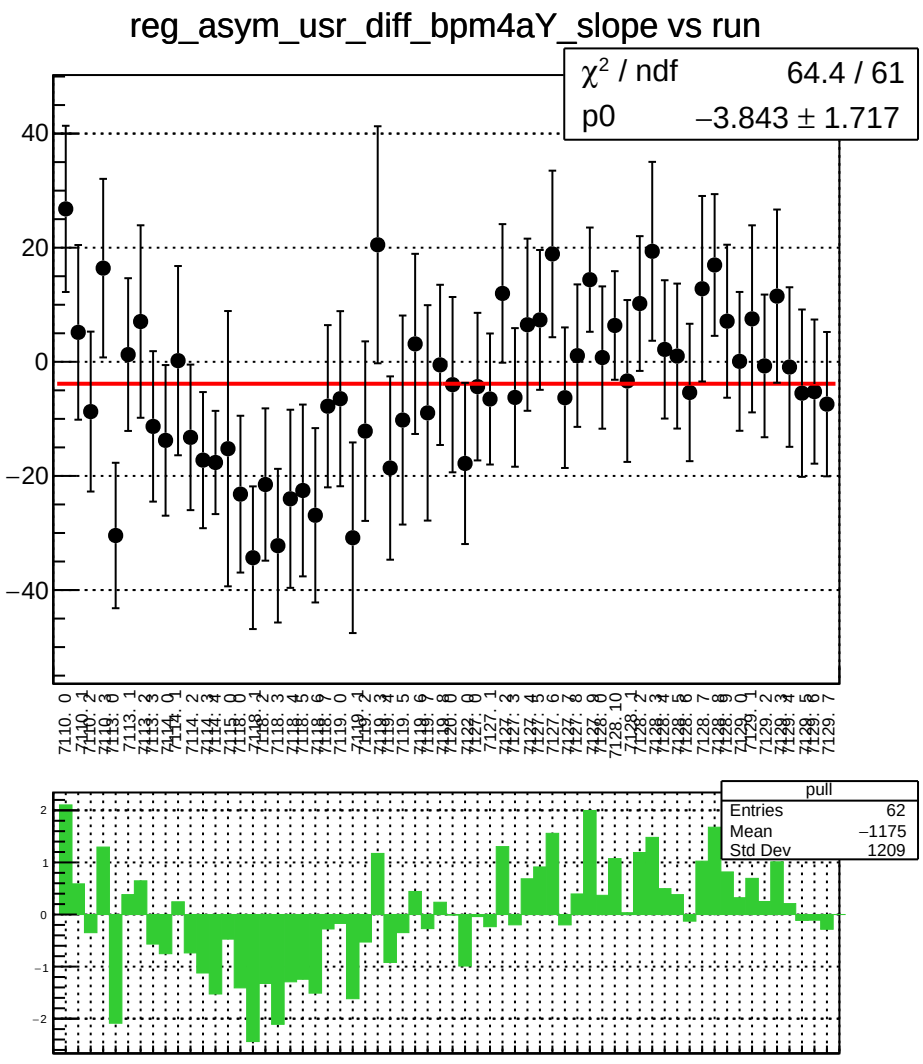

pull1D
Entries 62
Mean 0.02076
Std Dev 0.6197

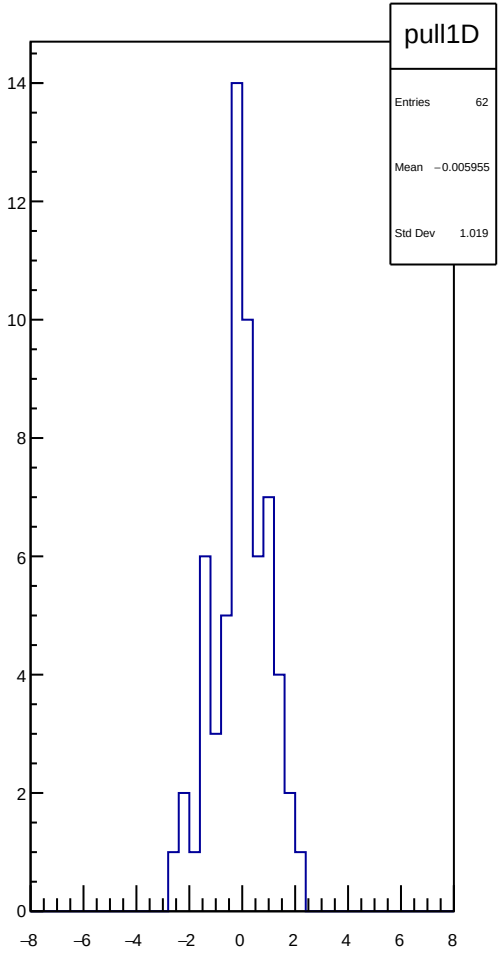

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 124.4 / 61
p0 −38.98 ± 0.08275
pull
Entries 62
Mean −245.6
Std Dev 274.9

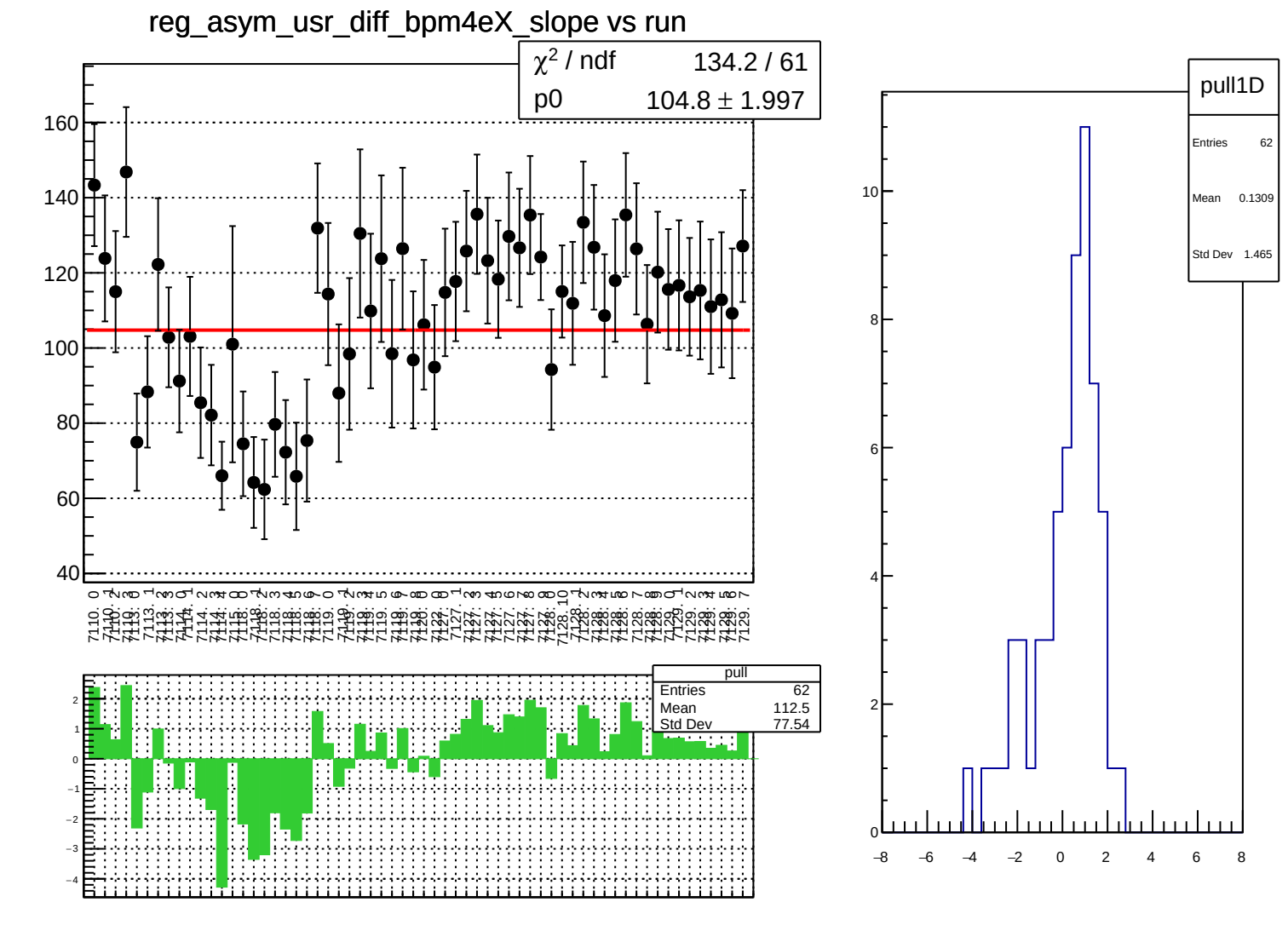

pull1D
Entries 62
Mean −0.06134
Std Dev 1.415

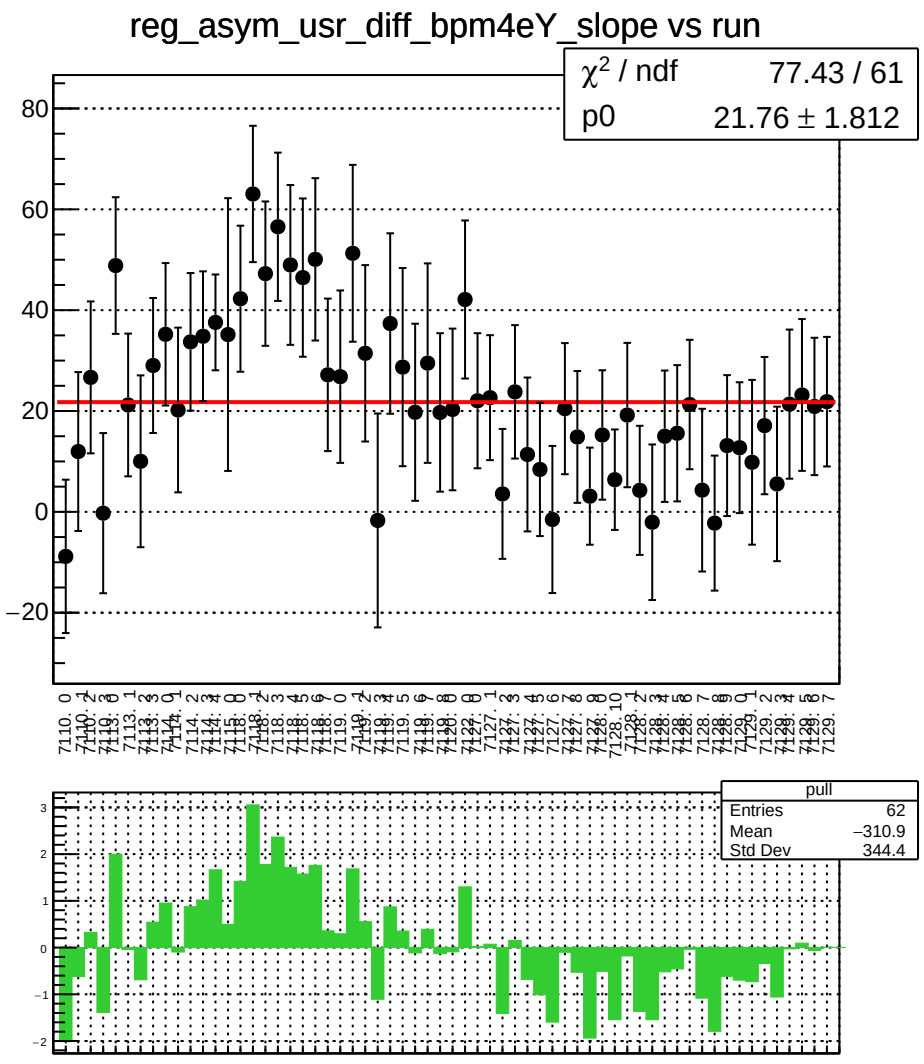

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 128.6 / 61
p0 −46.5 ± 2.009
pull
Entries 62
Mean 110.7
Std Dev 75.64

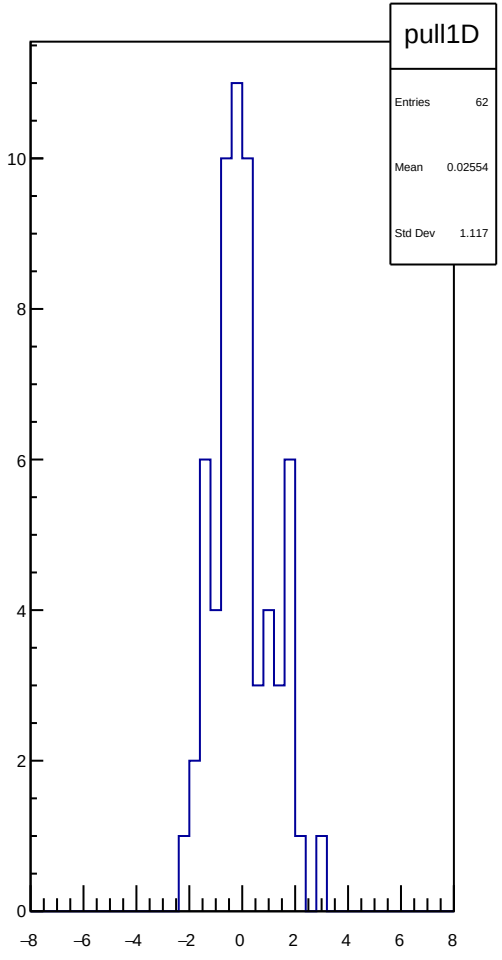

pull1D
Entries 62
Mean −0.127
Std Dev 1.435

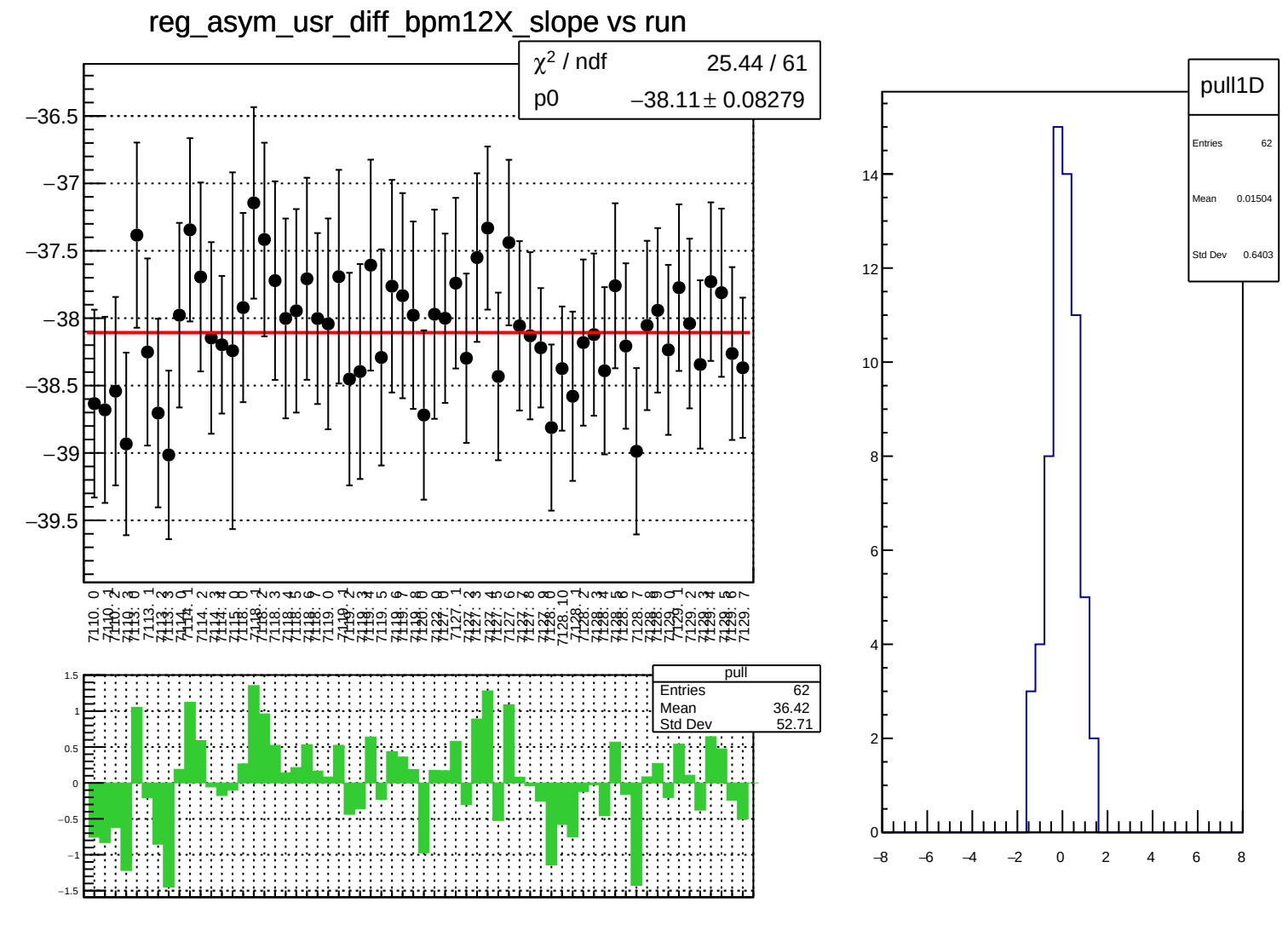

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 64.4 / 61
p0 −3.843 ± 1.717
pull
Entries 62
Mean −1175
Std Dev 1209

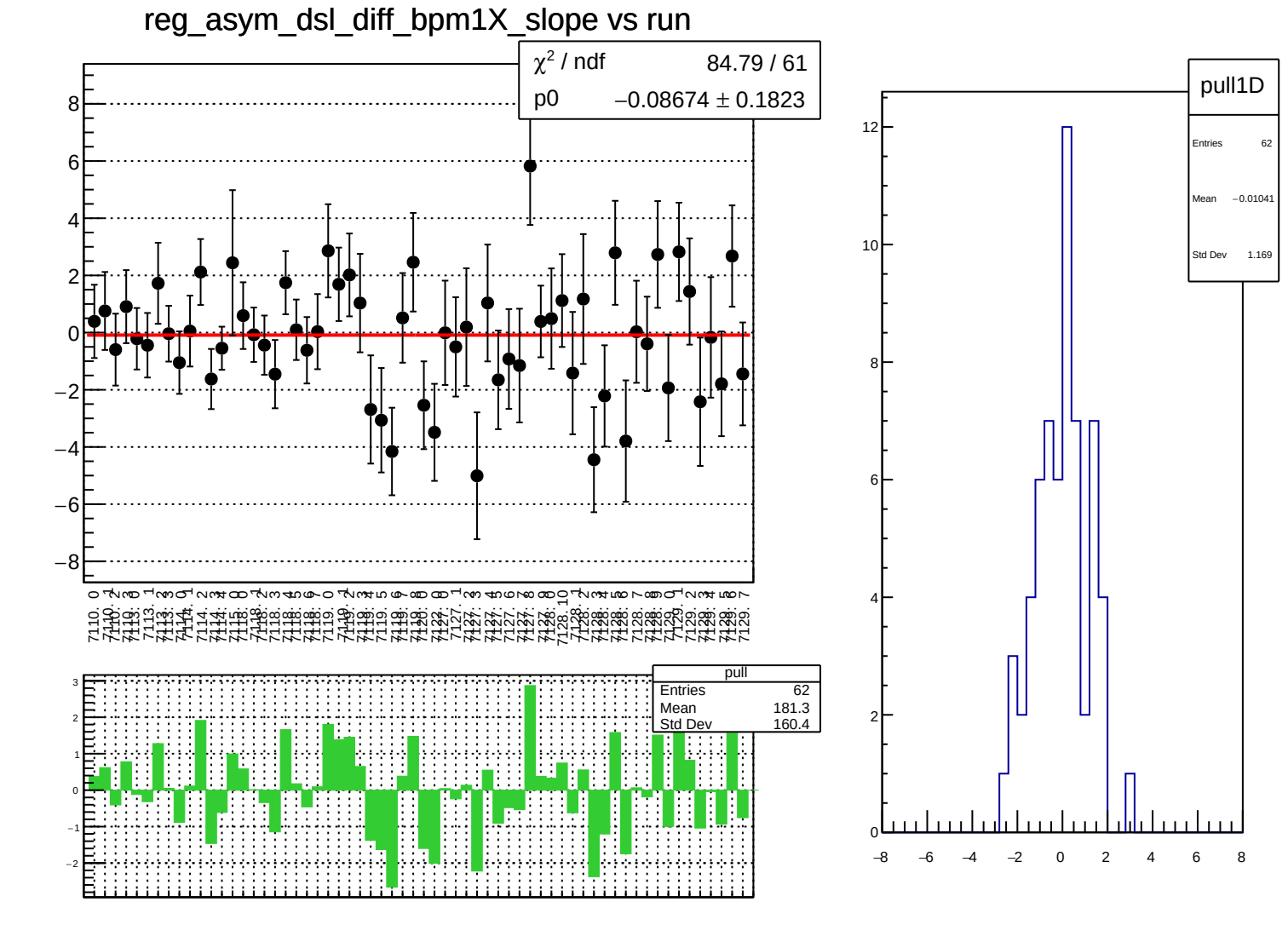

pull1D
Entries 62
Mean −0.005955
Std Dev 1.019

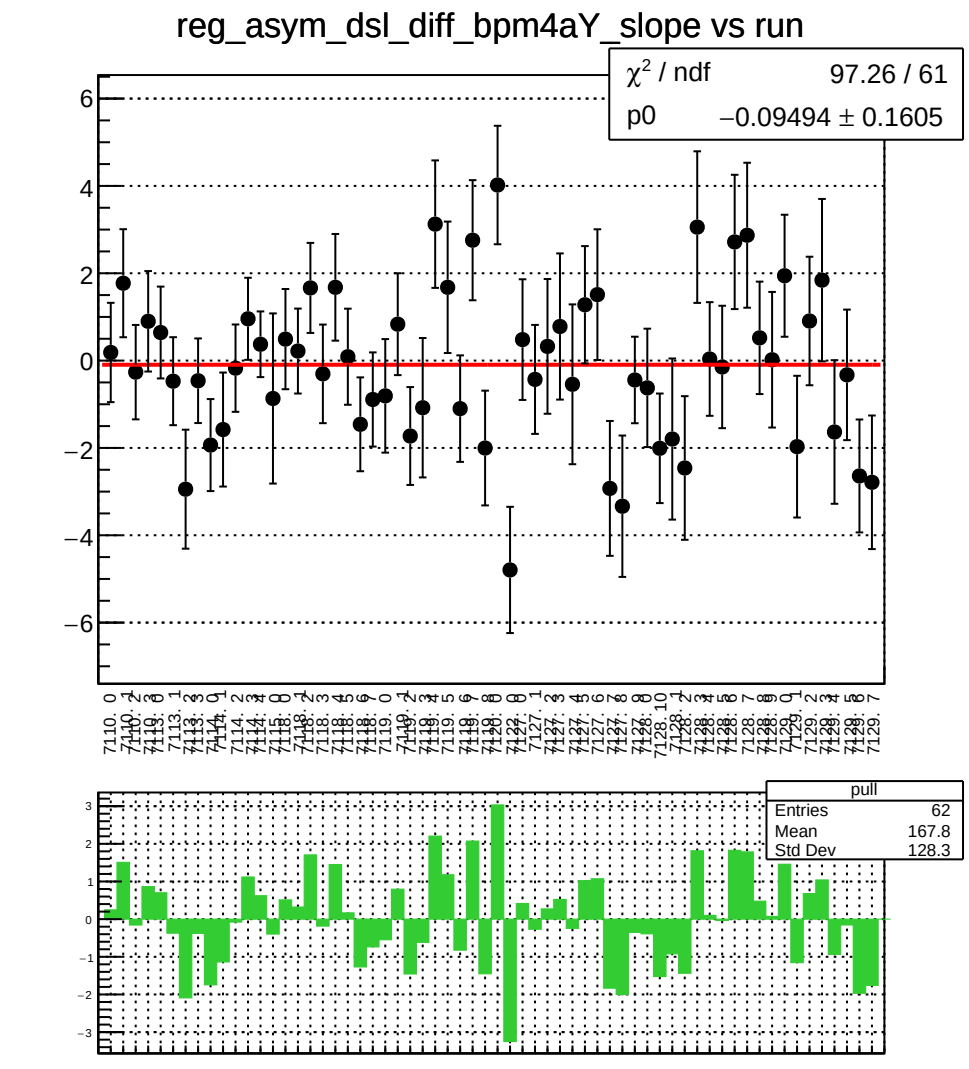

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 134.2 / 61
p0 104.8 ± 1.997
pull
Entries 62
Mean 112.5
Std Dev 77.54
pull1D
Entries 62
Mean 0.1309
Std Dev 1.465

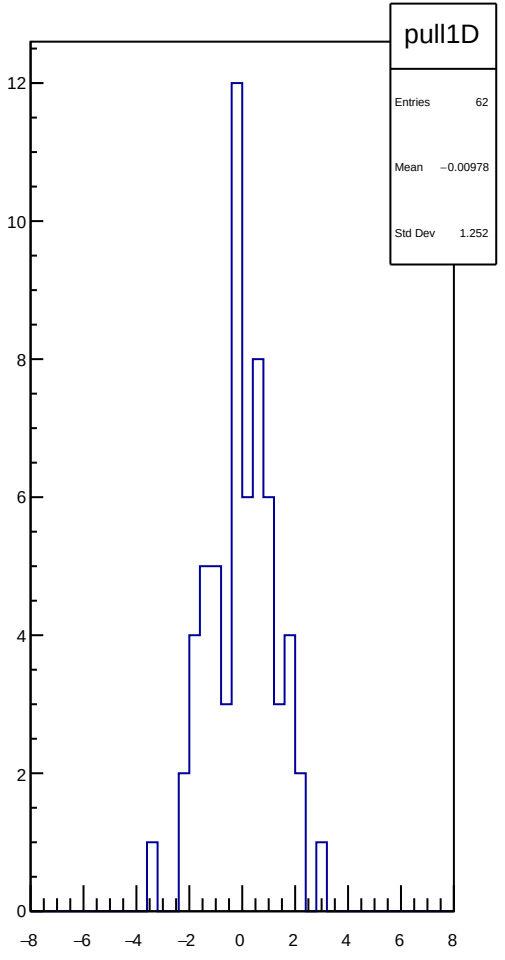

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 77.43 / 61
p0 21.76 ± 1.812
pull
Entries 62
Mean −310.9
Std Dev 344.4

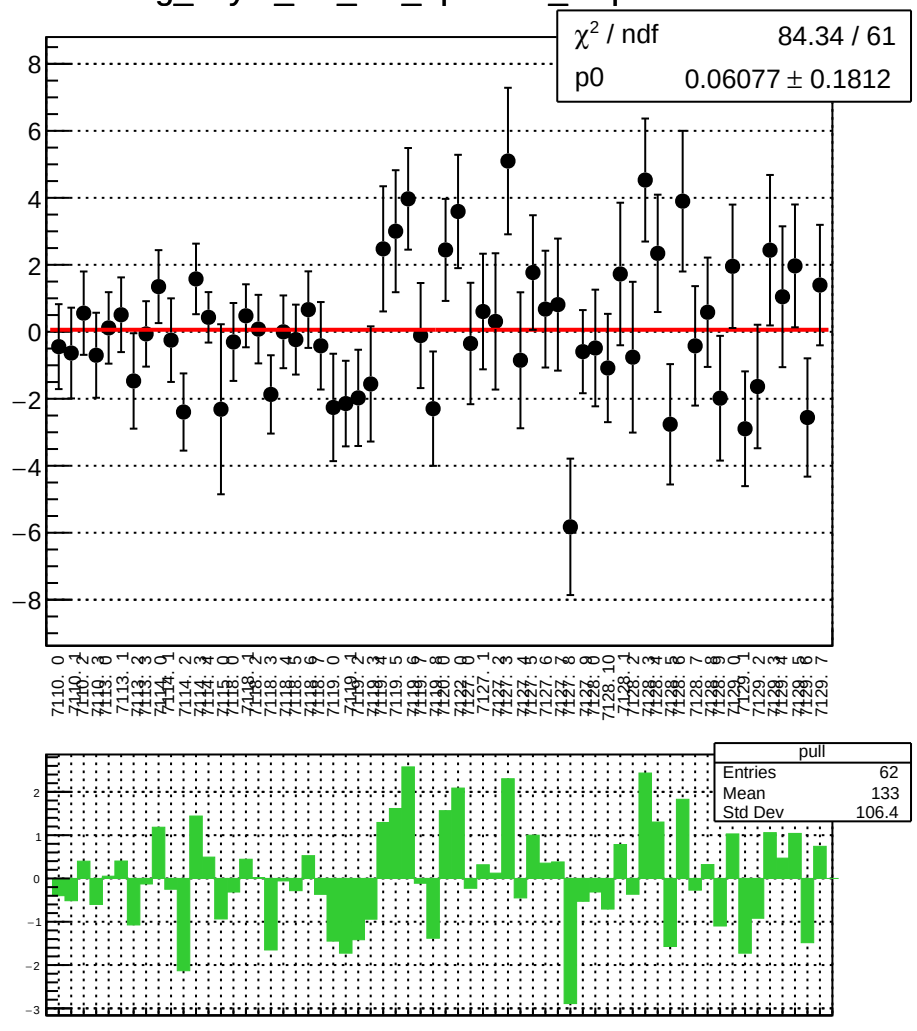

pull1D
Entries 62
Mean 0.02554
Std Dev 1.117

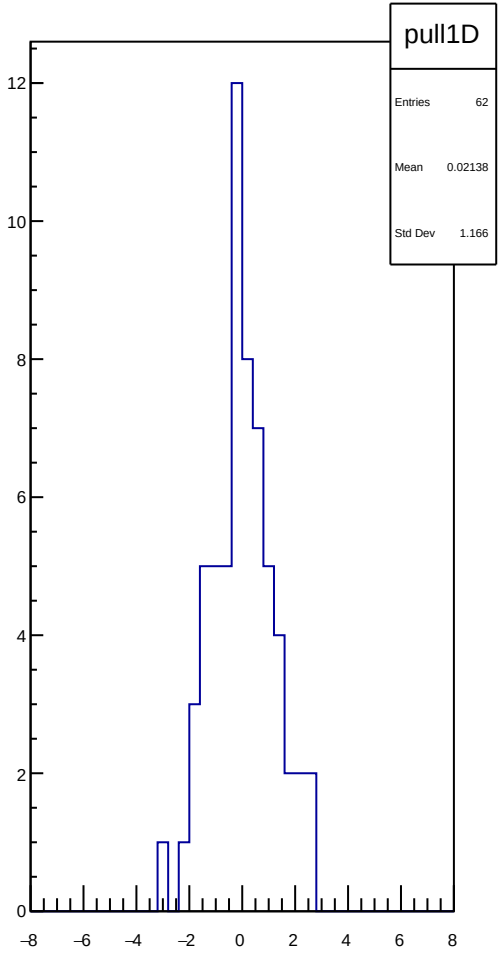

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 25.44 / 61
p0 −38.11 ± 0.08279
pull
Entries 62
Mean 36.42
Std Dev 52.71
pull1D
Entries 62
Mean 0.01504
Std Dev 0.6403

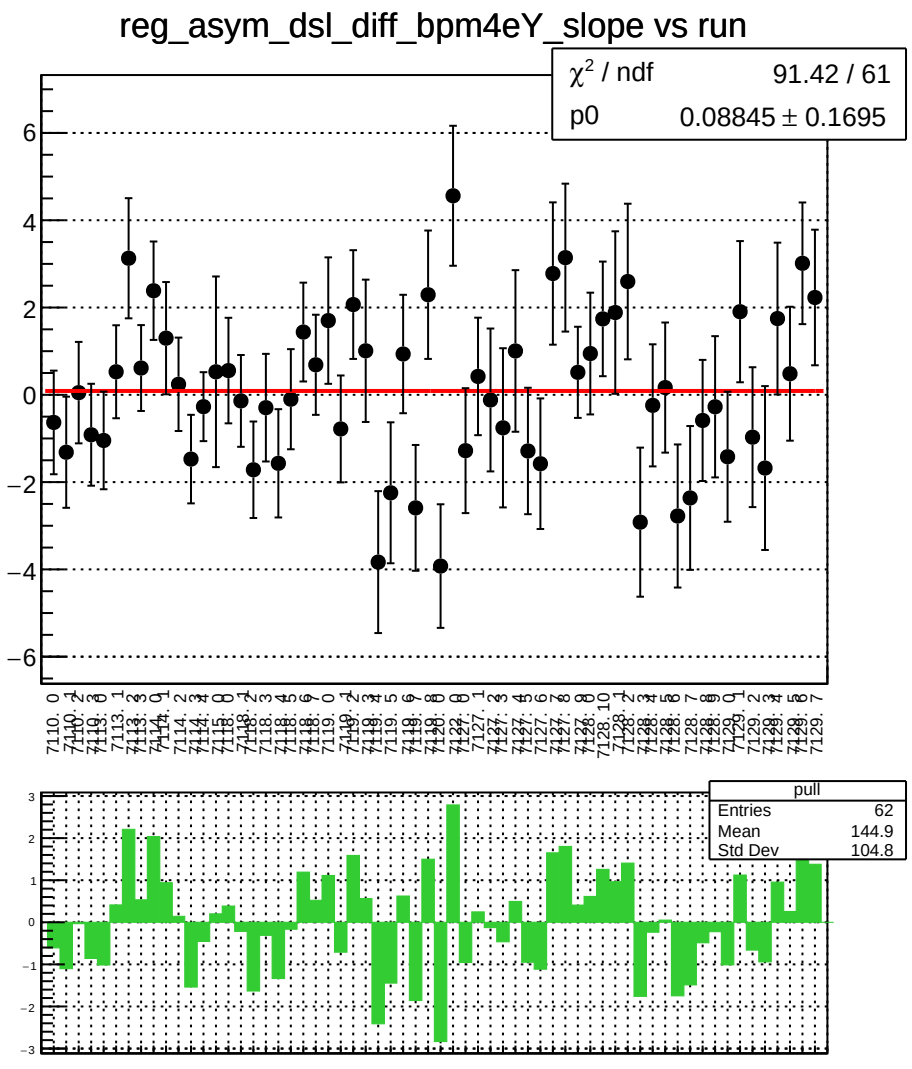

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 84.79 / 61
p0 −0.08674 ± 0.1823
pull
Entries 62
Mean 181.3
Std Dev 160.4
pull1D
Entries 62
Mean −0.01041
Std Dev 1.169

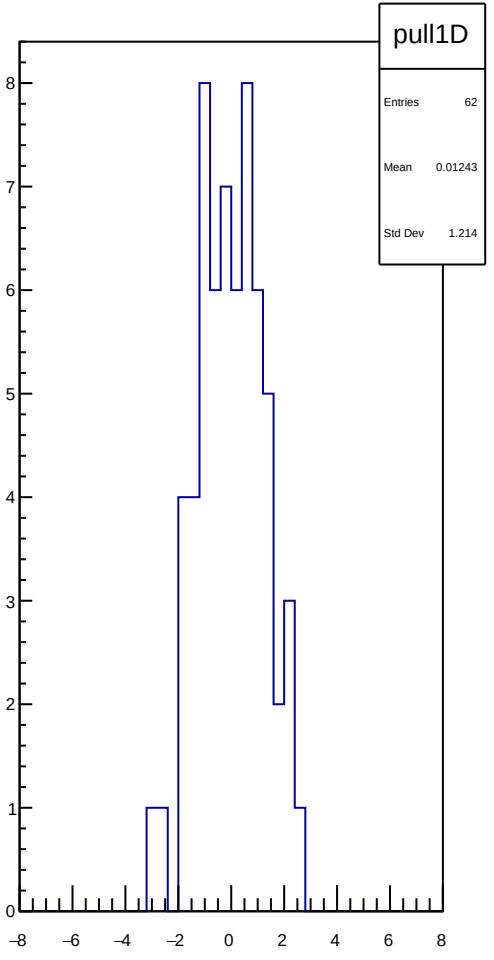

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 97.26 / 61
p0 −0.09494 ± 0.1605
pull
Entries 62
Mean 167.8
Std Dev 128.3

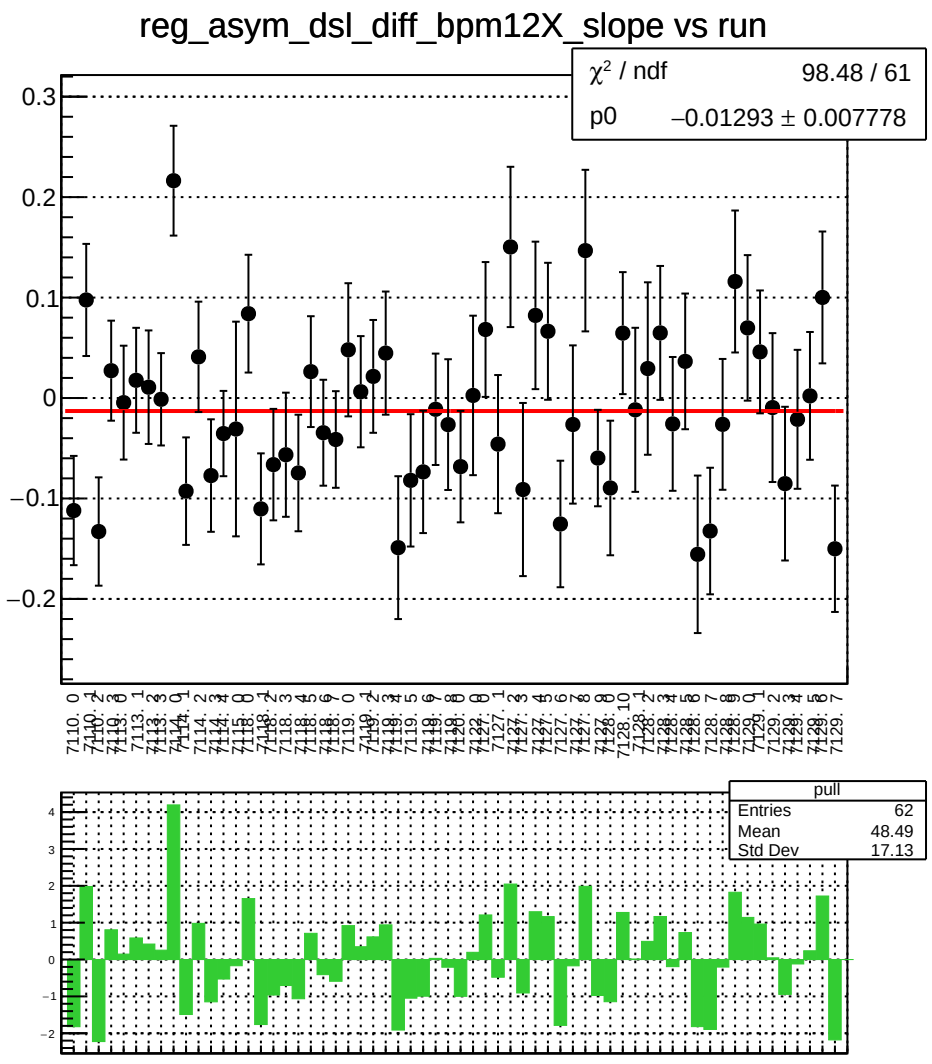

pull1D
Entries 62
Mean −0.00978
Std Dev 1.252

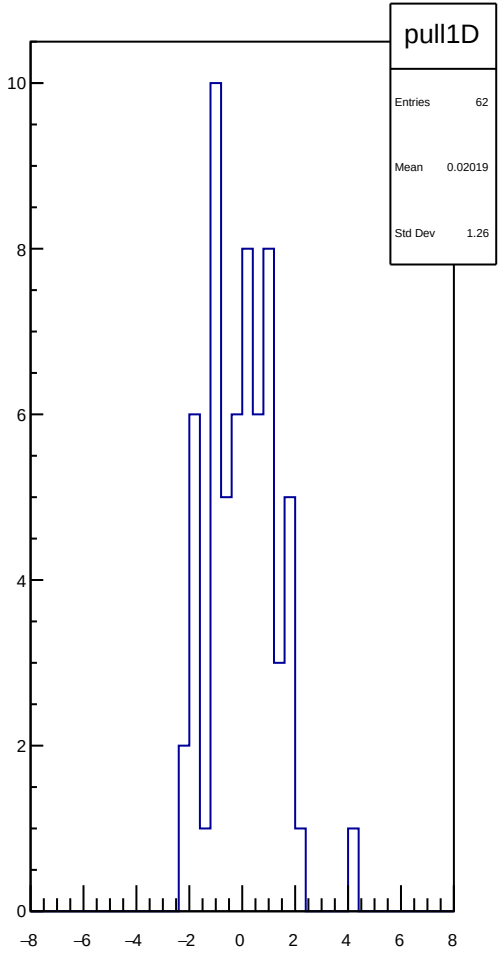

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 84.34 / 61
p0 0.06077 ± 0.1812
pull
Entries 62
Mean 133
Std Dev 106.4

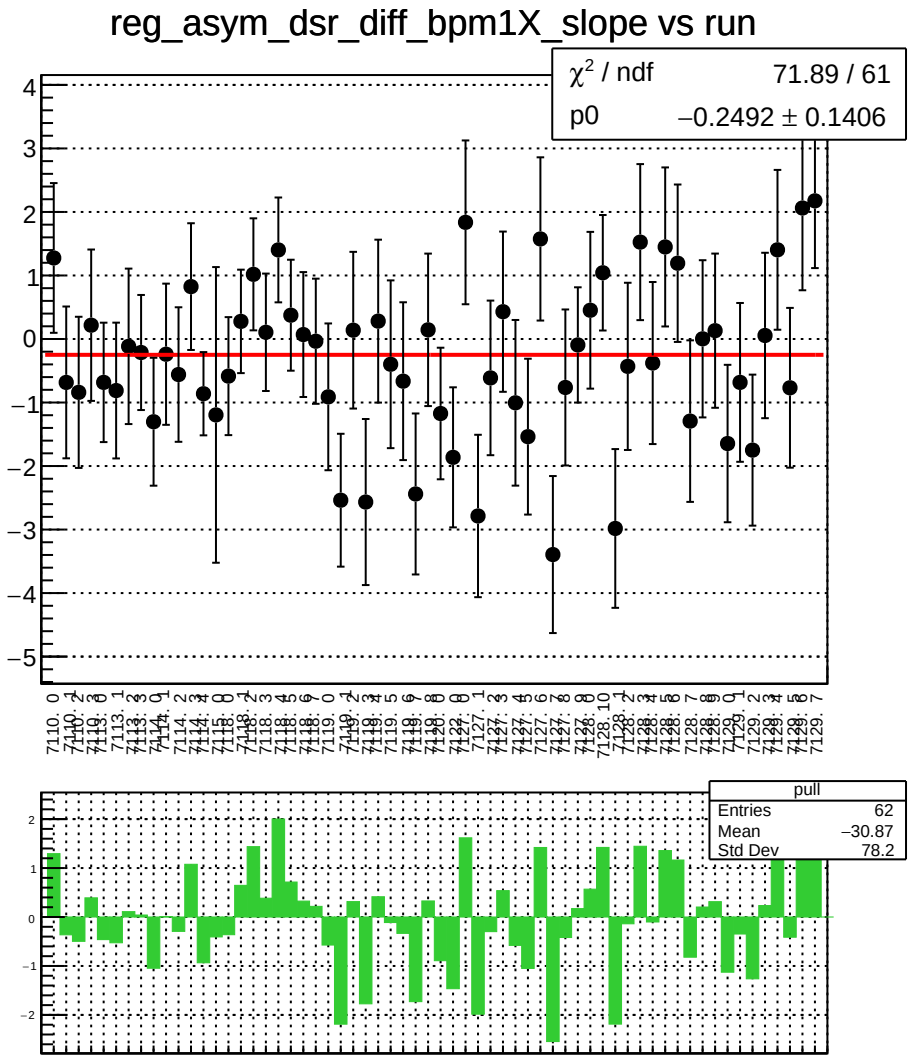

pull1D
Entries 62
Mean 0.02138
Std Dev 1.166

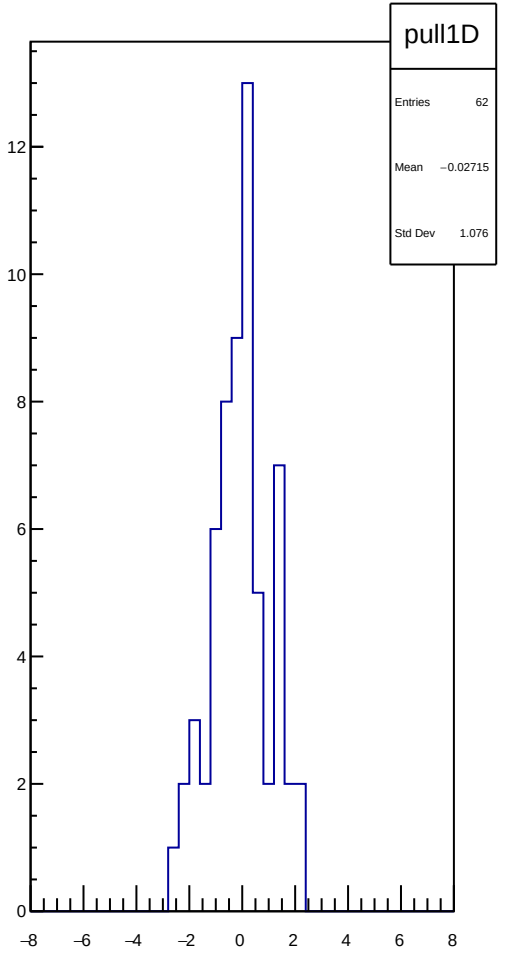

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 91.42 / 61
p0 0.08845 ± 0.1695
pull
Entries 62
Mean 144.9
Std Dev 104.8

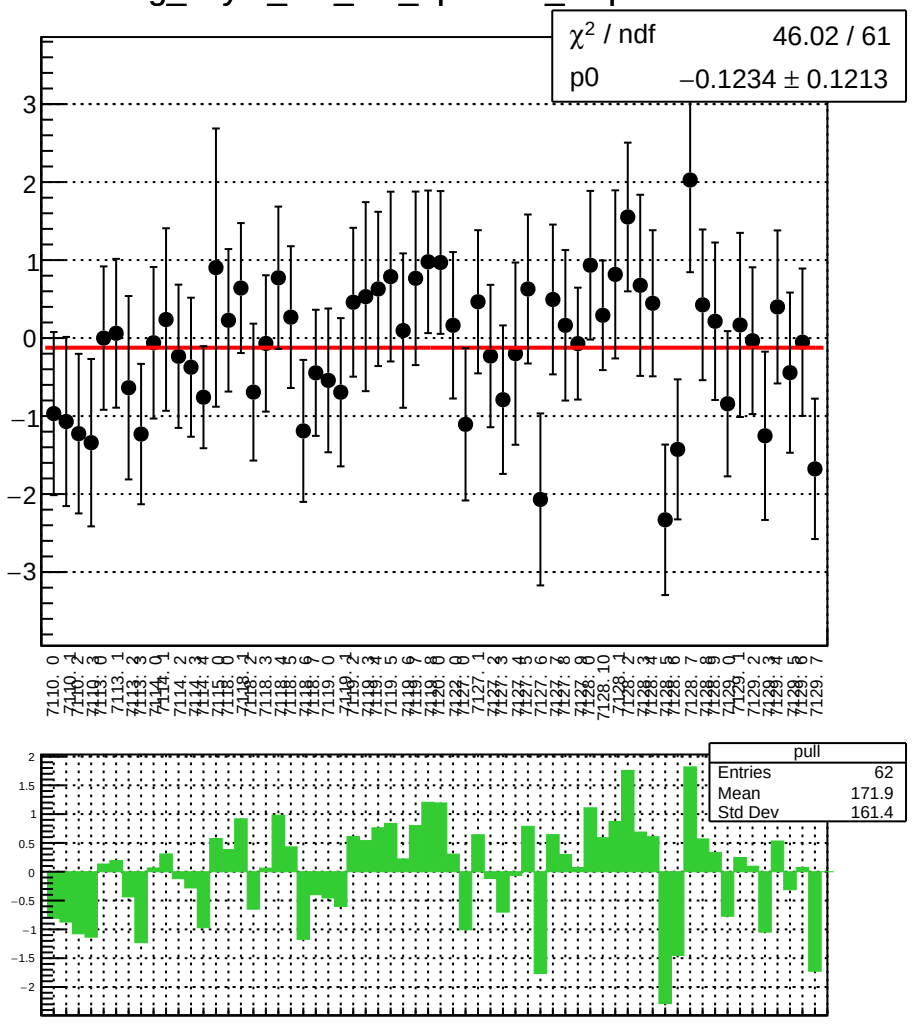

pull1D
Entries 62
Mean 0.01243
Std Dev 1.214

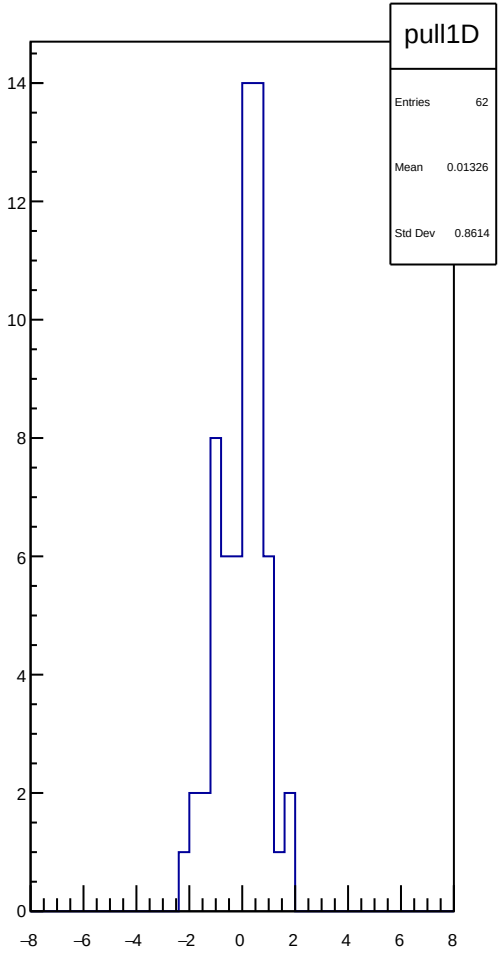

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 98.48 / 61
p0 −0.01293 ± 0.007778
pull
Entries 62
Mean 48.49
Std Dev 17.13

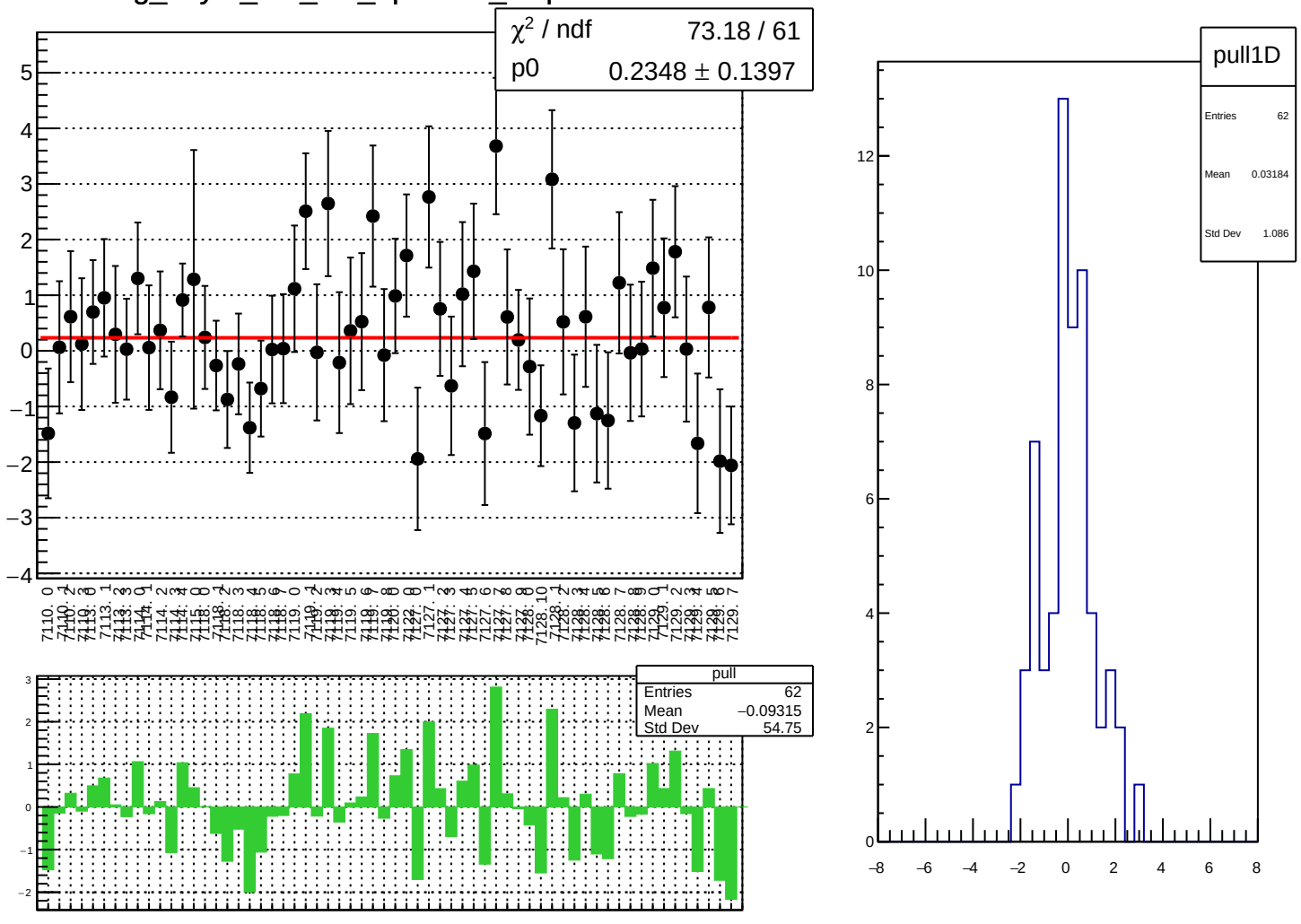

pull1D
Entries 62
Mean 0.02019
Std Dev 1.26

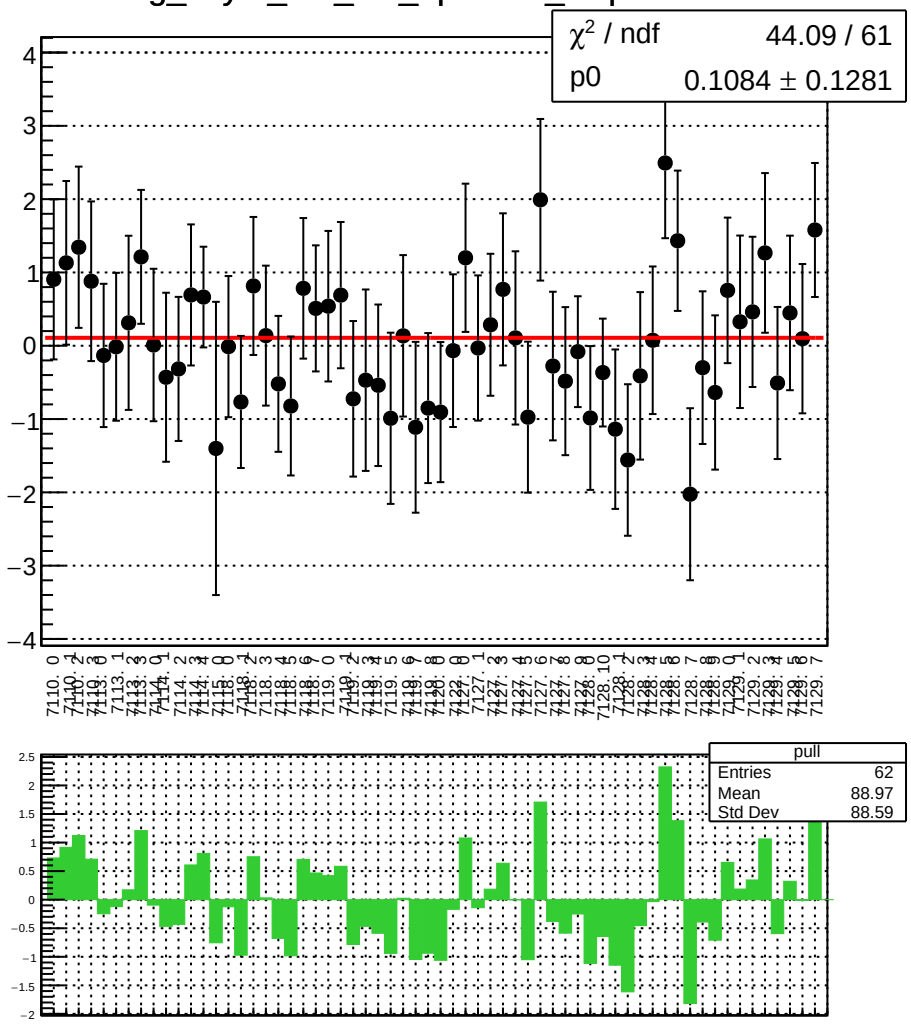

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 71.89 / 61
p0 −0.2492 ± 0.1406
pull
Entries 62
Mean −30.87
Std Dev 78.2

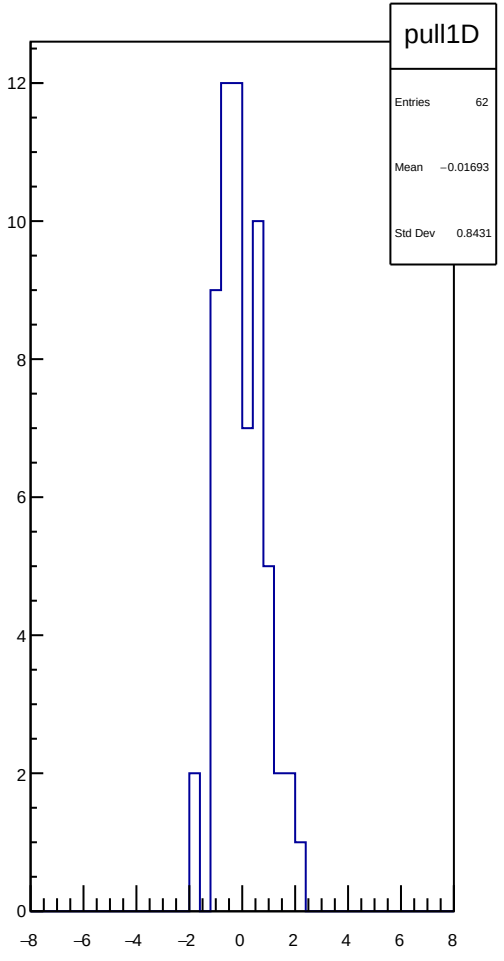

pull1D
Entries 62
Mean −0.02715
Std Dev 1.076

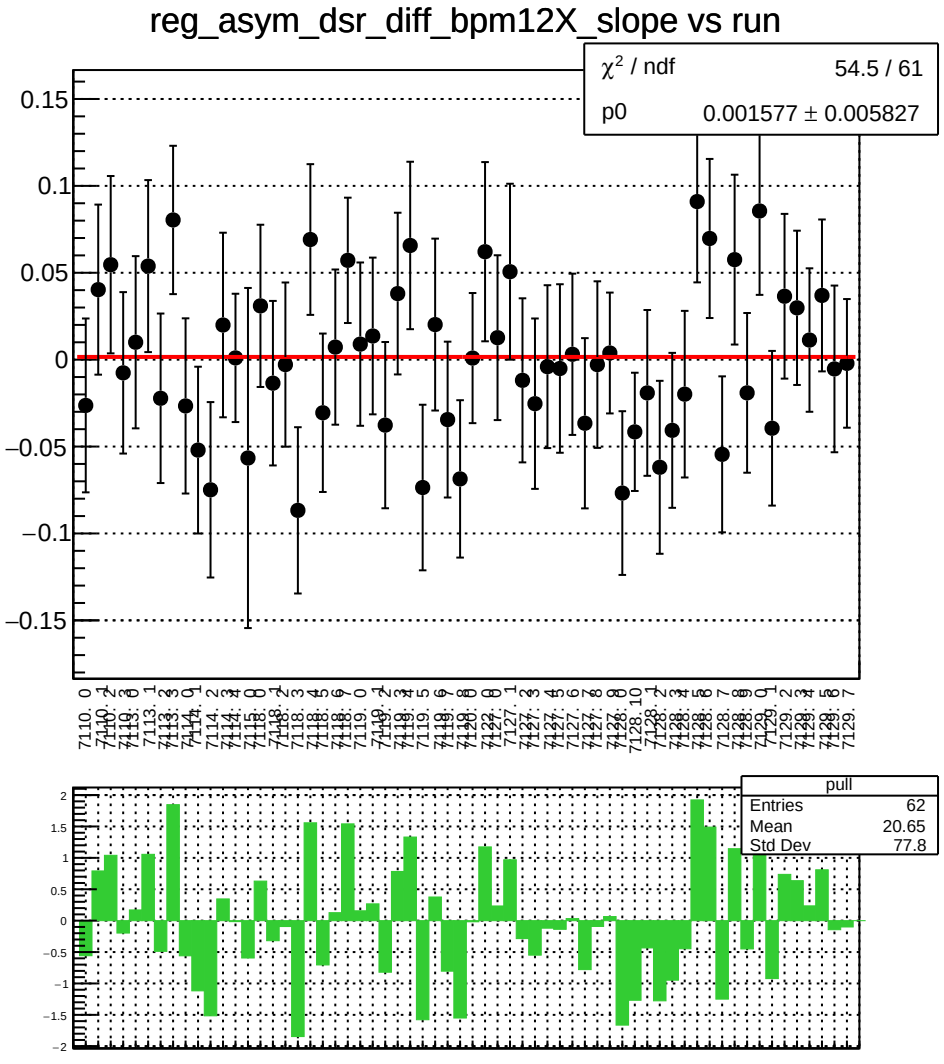

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 46.02 / 61
p0 −0.1234 ± 0.1213
pull
Entries 62
Mean 171.9
Std Dev 161.4

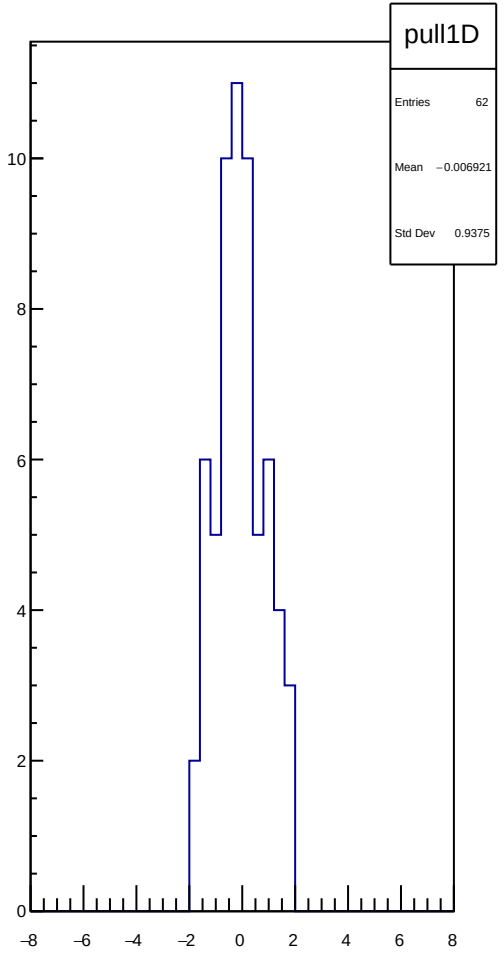

pull1D
Entries 62
Mean 0.01326
Std Dev 0.8614

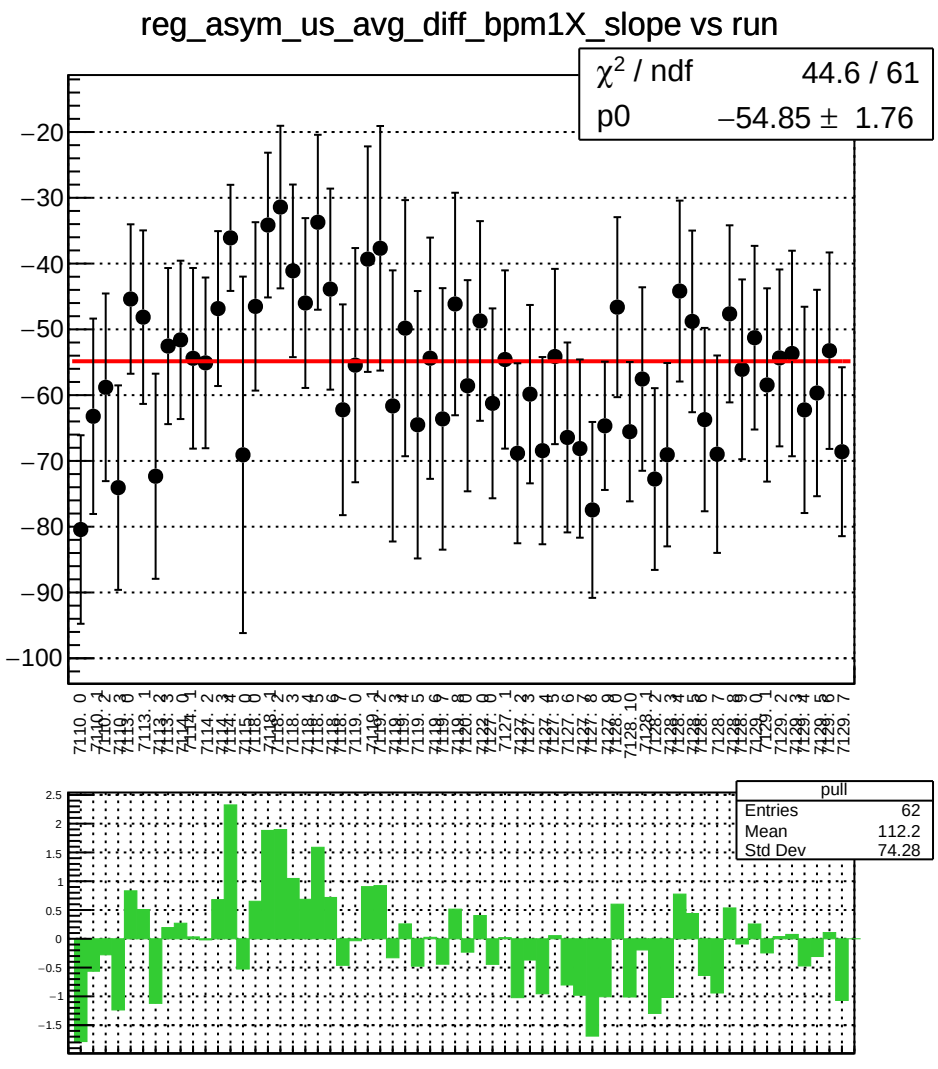

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 73.18 / 61
p0 0.2348 ± 0.1397
pull
Entries 62
Mean −0.09315
Std Dev 54.75
pull1D
Entries 62
Mean 0.03184
Std Dev 1.086

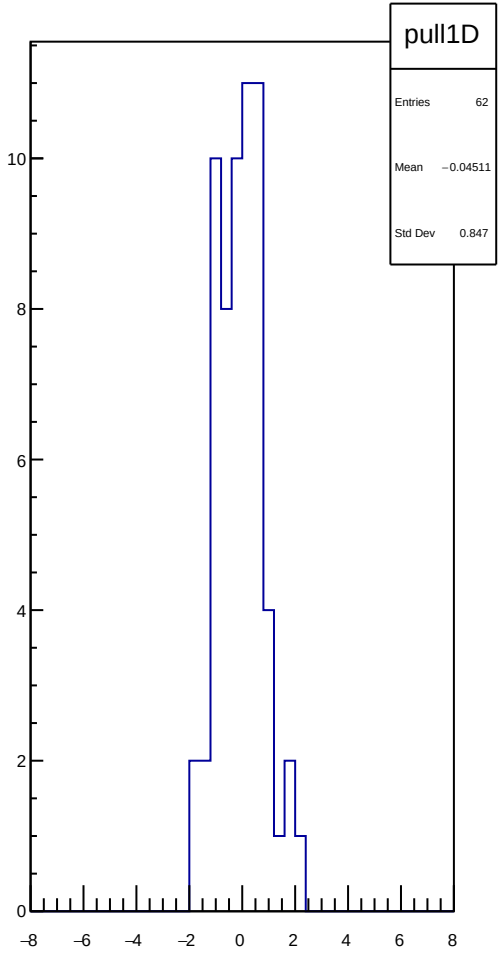

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 44.09 / 61
p0 0.1084 ± 0.1281
pull
Entries 62
Mean 88.97
Std Dev 88.59

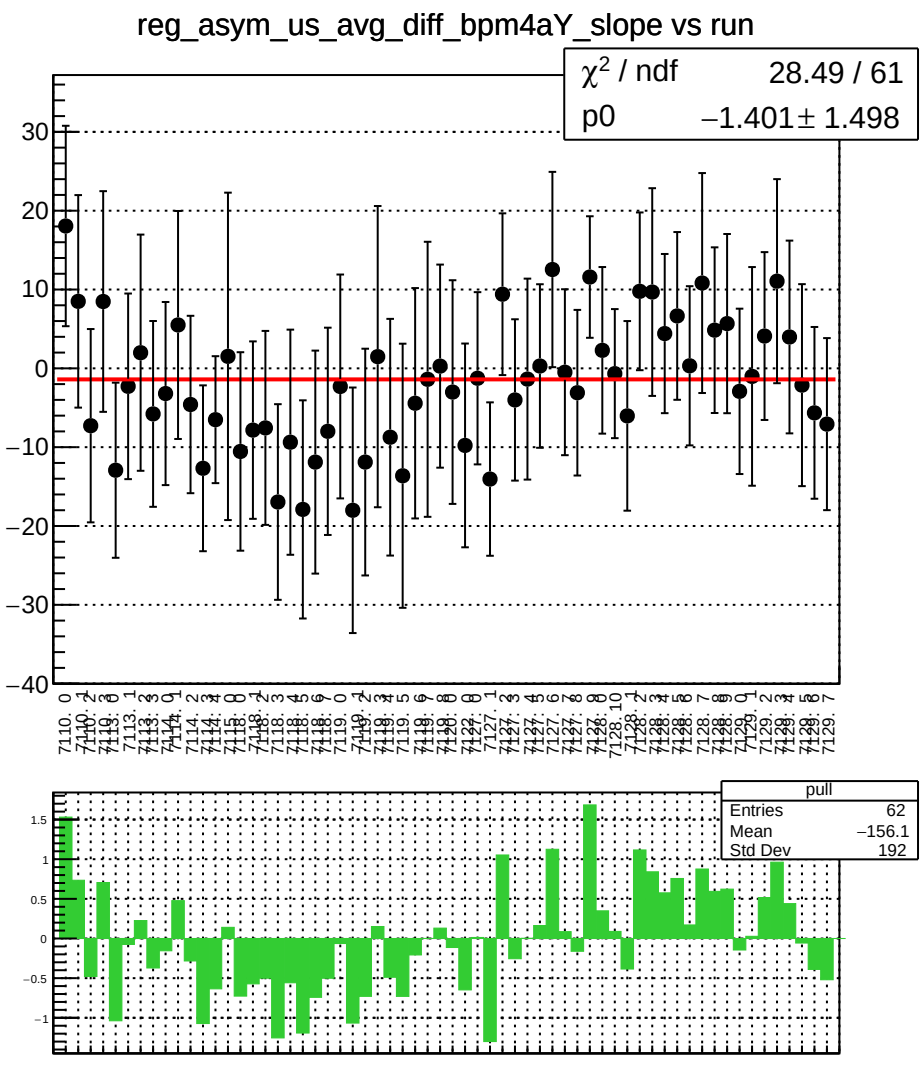

pull1D
Entries 62
Mean −0.01693
Std Dev 0.8431

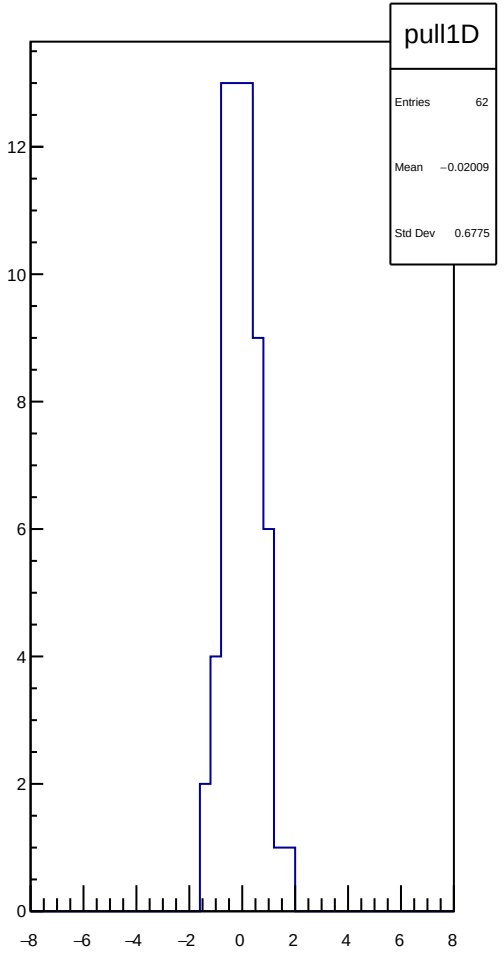

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 54.5 / 61
p0 0.001577 ± 0.005827
pull
Entries 62
Mean 20.65
Std Dev 77.8

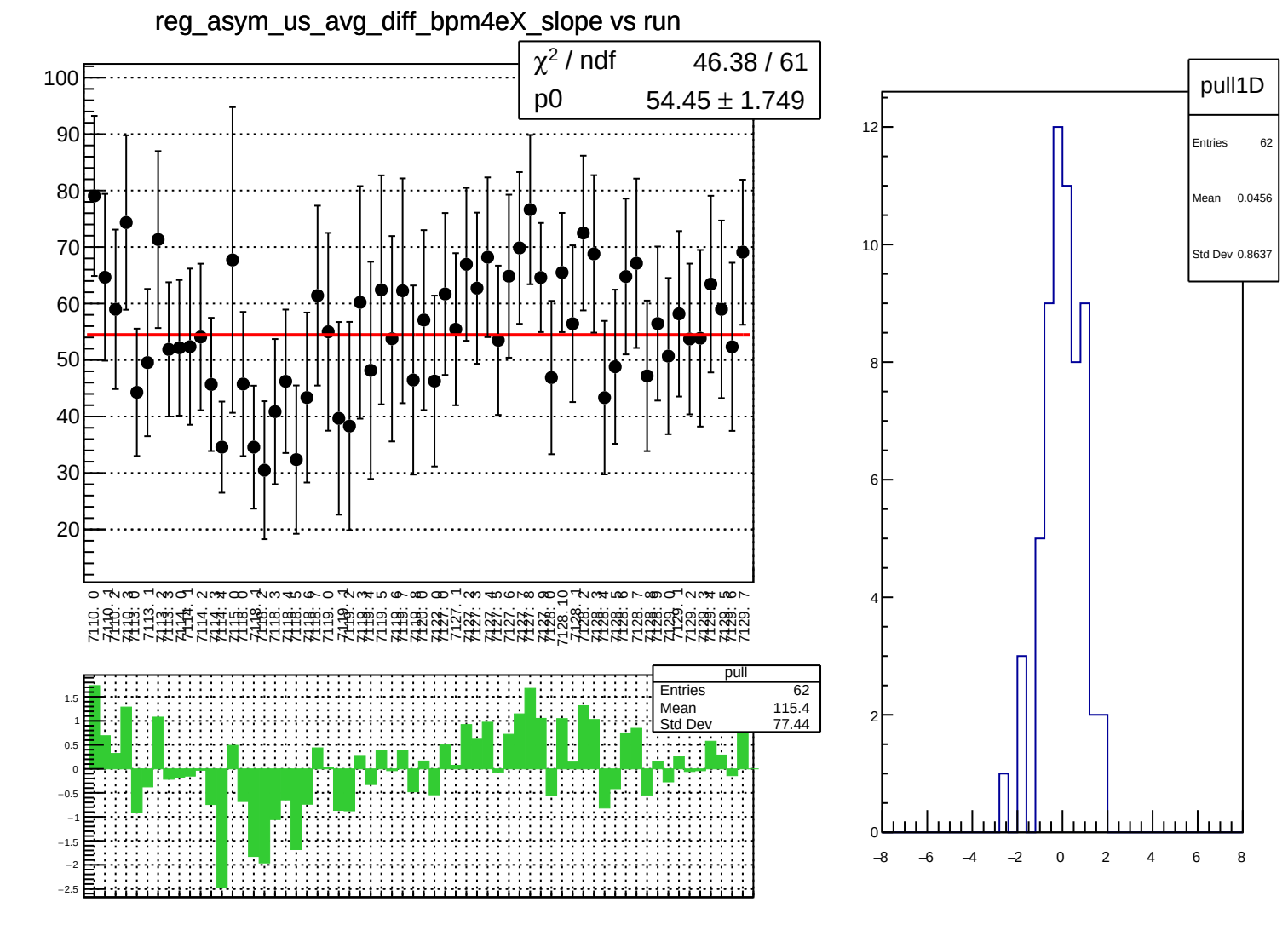

pull1D
Entries 62
Mean −0.006921
Std Dev 0.9375

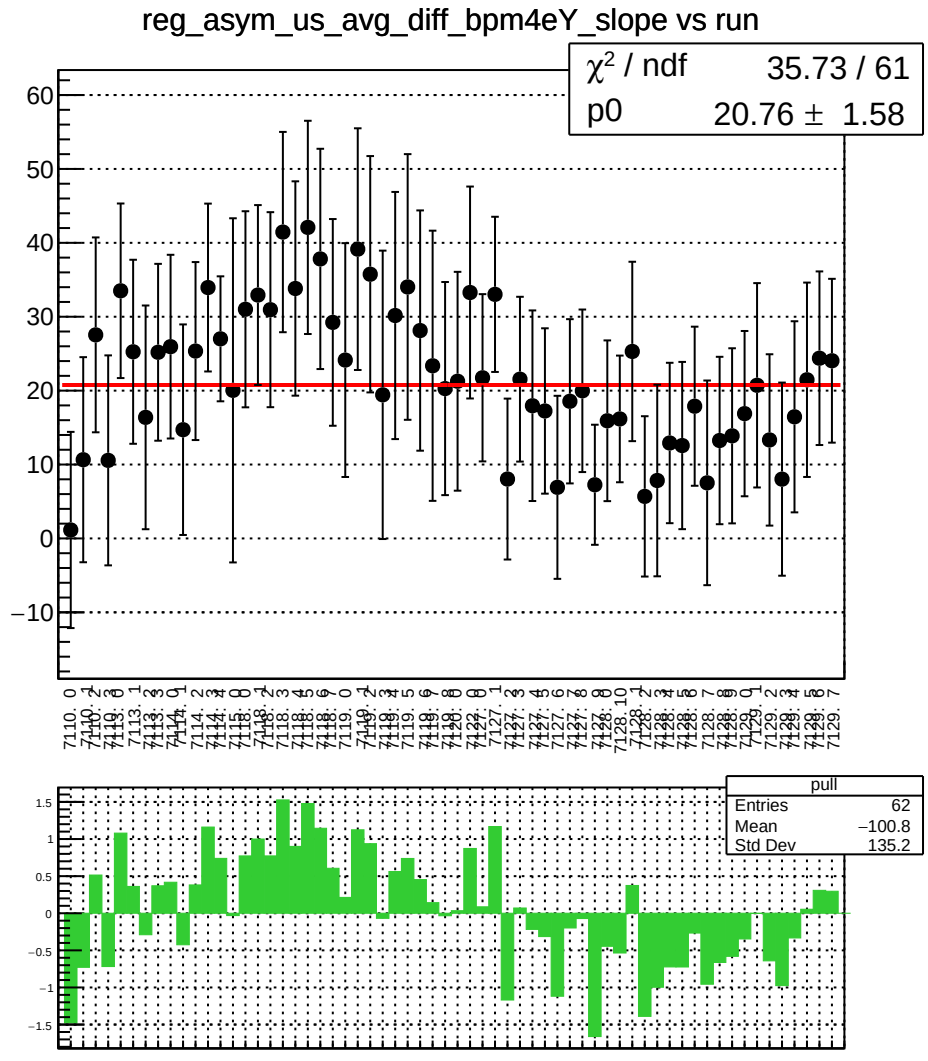

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 44.6 / 61
p0 −54.85 ± 1.76
pull
Entries 62
Mean 112.2
Std Dev 74.28

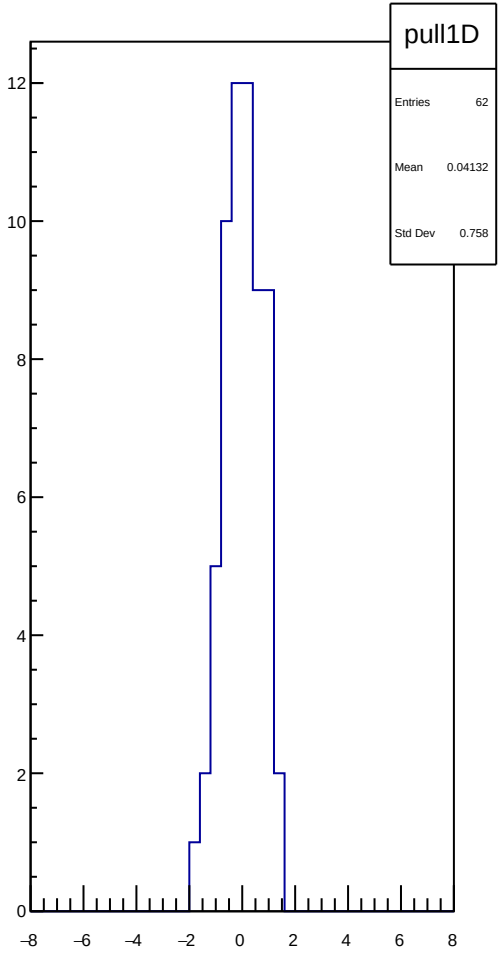

pull1D
Entries 62
Mean −0.04511
Std Dev 0.847

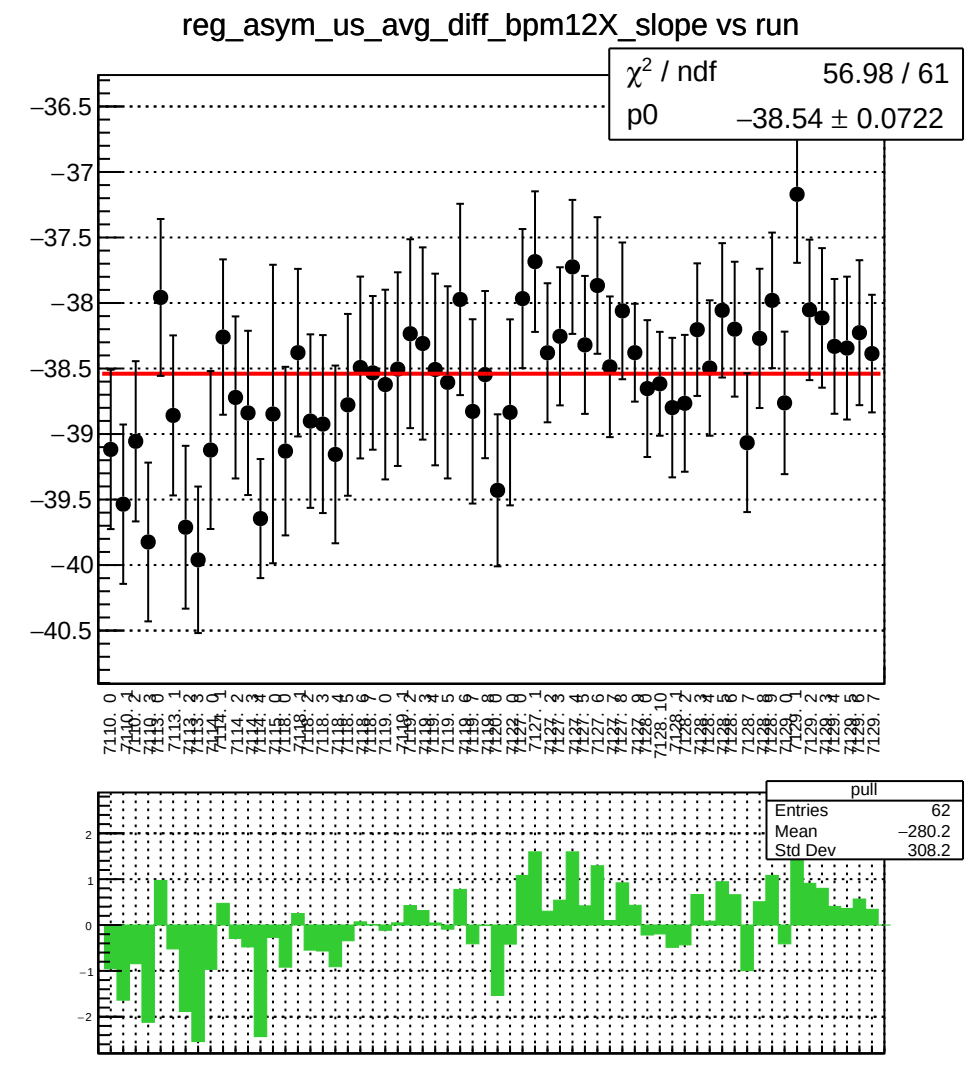

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.49 / 61
p0 −1.401 ± 1.498
pull
Entries 62
Mean −156.1
Std Dev 192

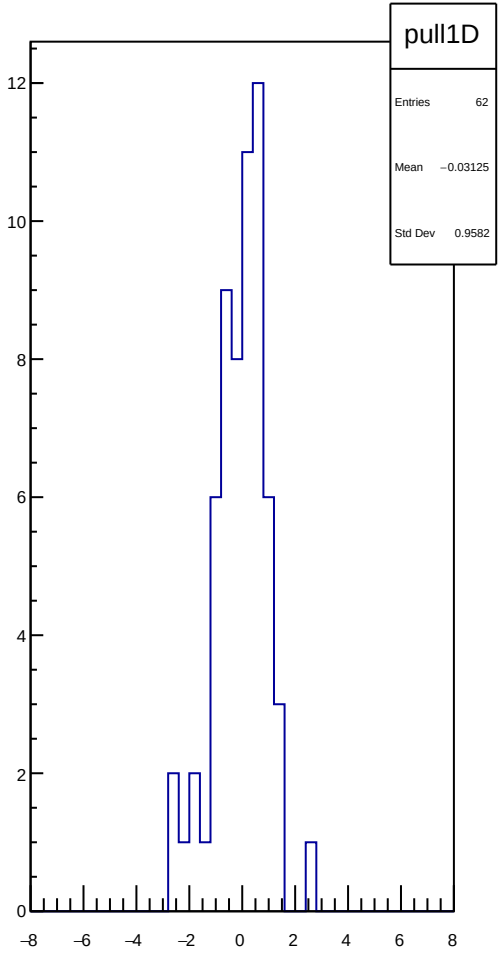

pull1D
Entries 62
Mean −0.02009
Std Dev 0.6775

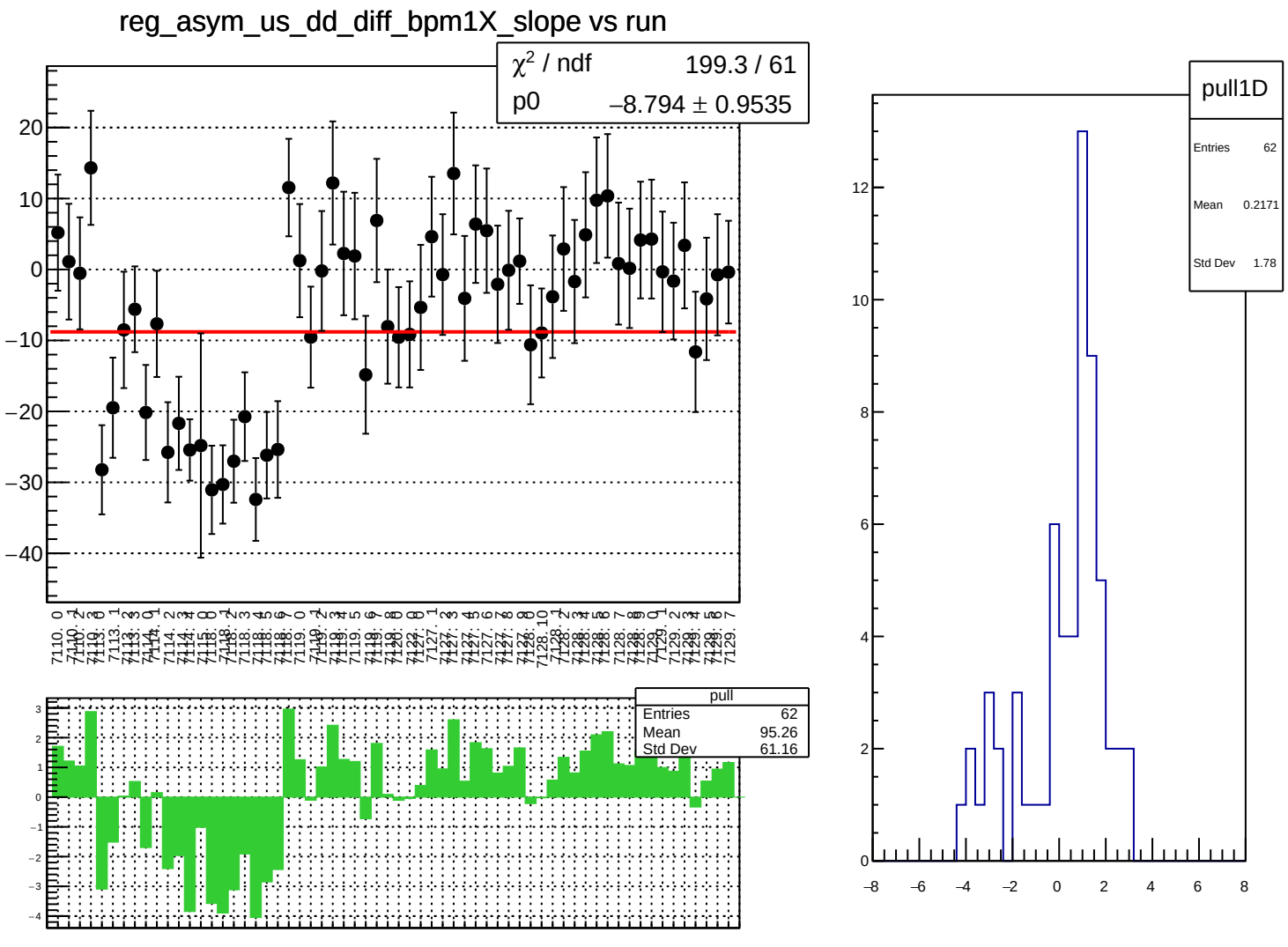

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.38 / 61
p0 54.45 ± 1.749
pull
Entries 62
Mean 115.4
Std Dev 77.44
pull1D
Entries 62
Mean 0.0456
Std Dev 0.8637

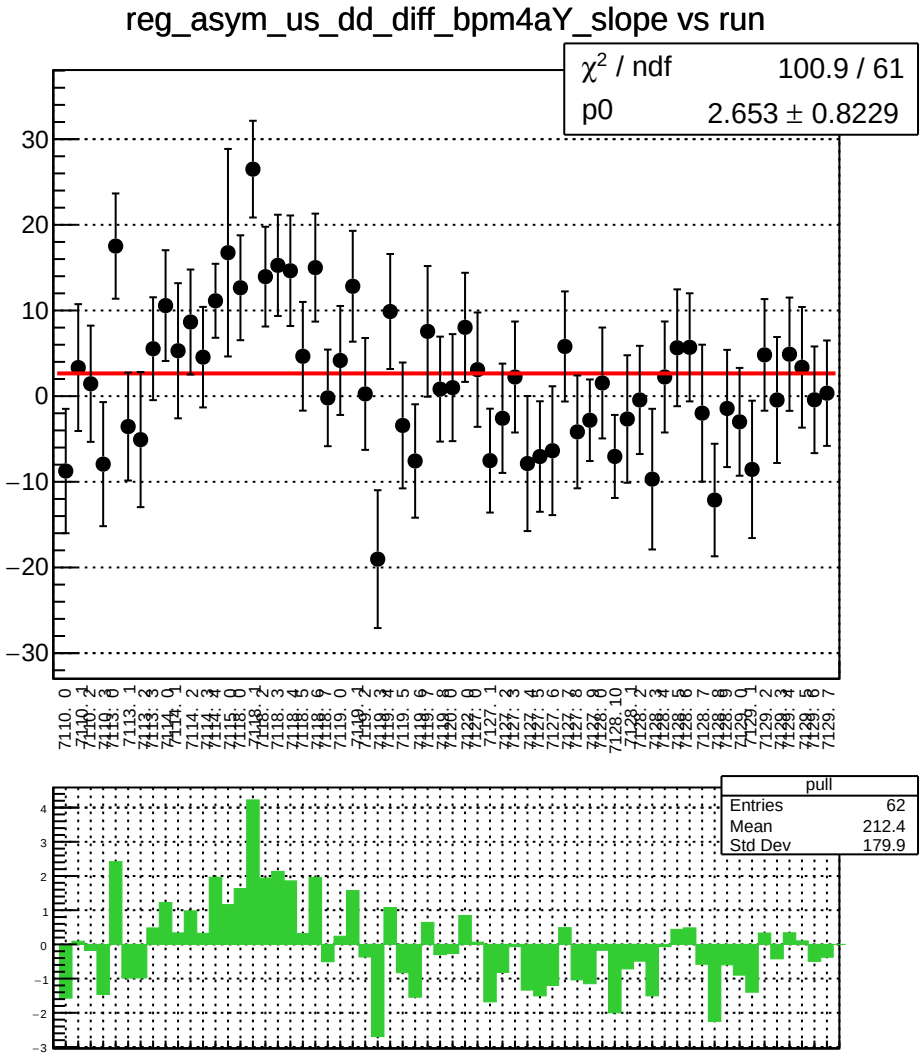

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.73 / 61
p0 20.76 ± 1.58
pull
Entries 62
Mean −100.8
Std Dev 135.2

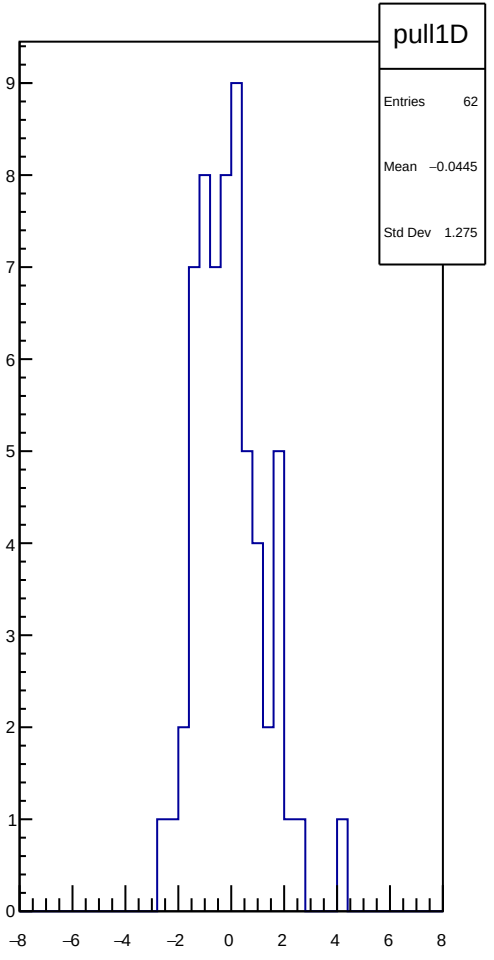

pull1D
Entries 62
Mean 0.04132
Std Dev 0.758

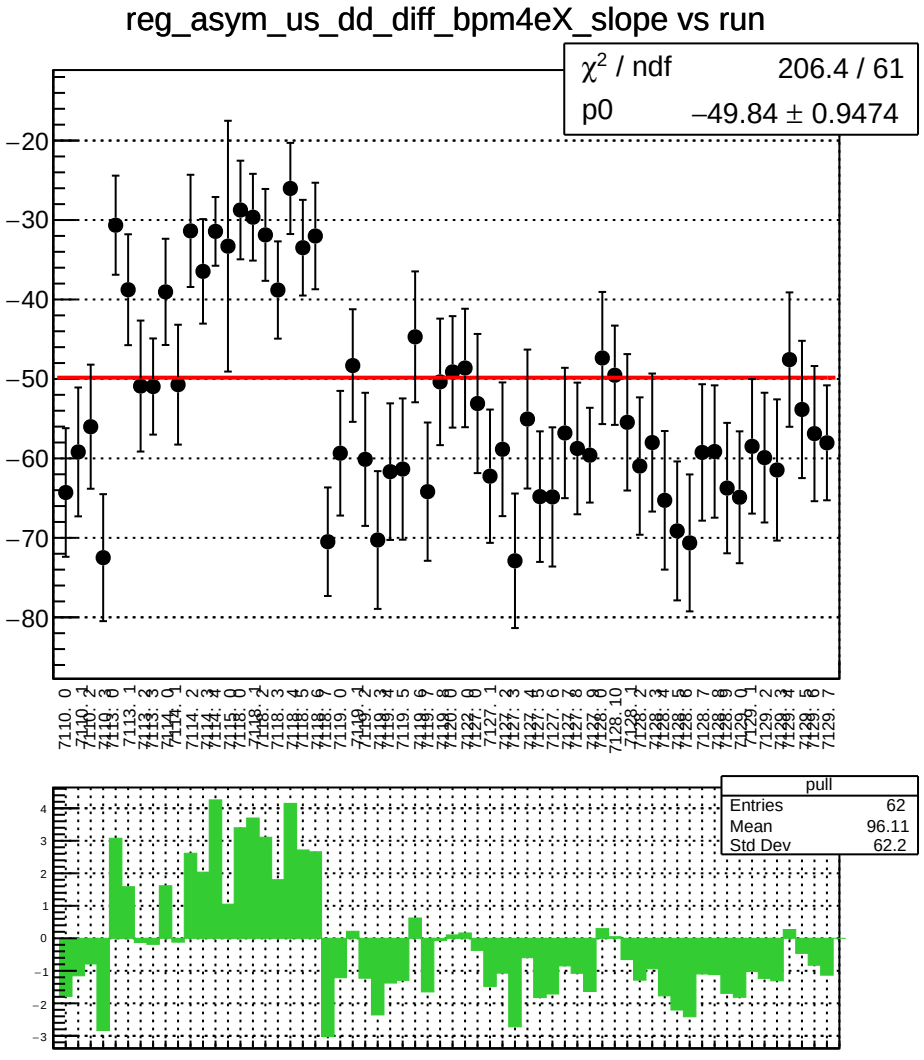

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 56.98 / 61
p0 −38.54 ± 0.0722
pull
Entries 62
Mean −280.2
Std Dev 308.2

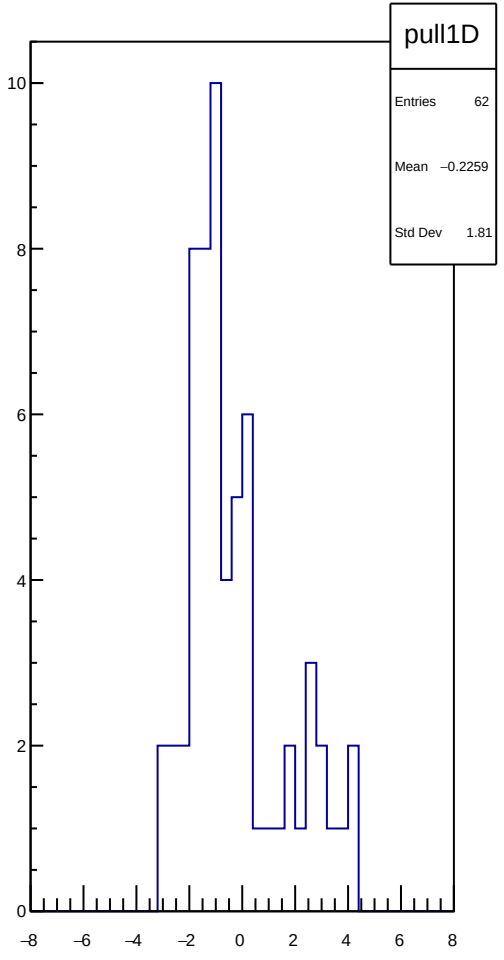

pull1D
Entries 62
Mean −0.03125
Std Dev 0.9582

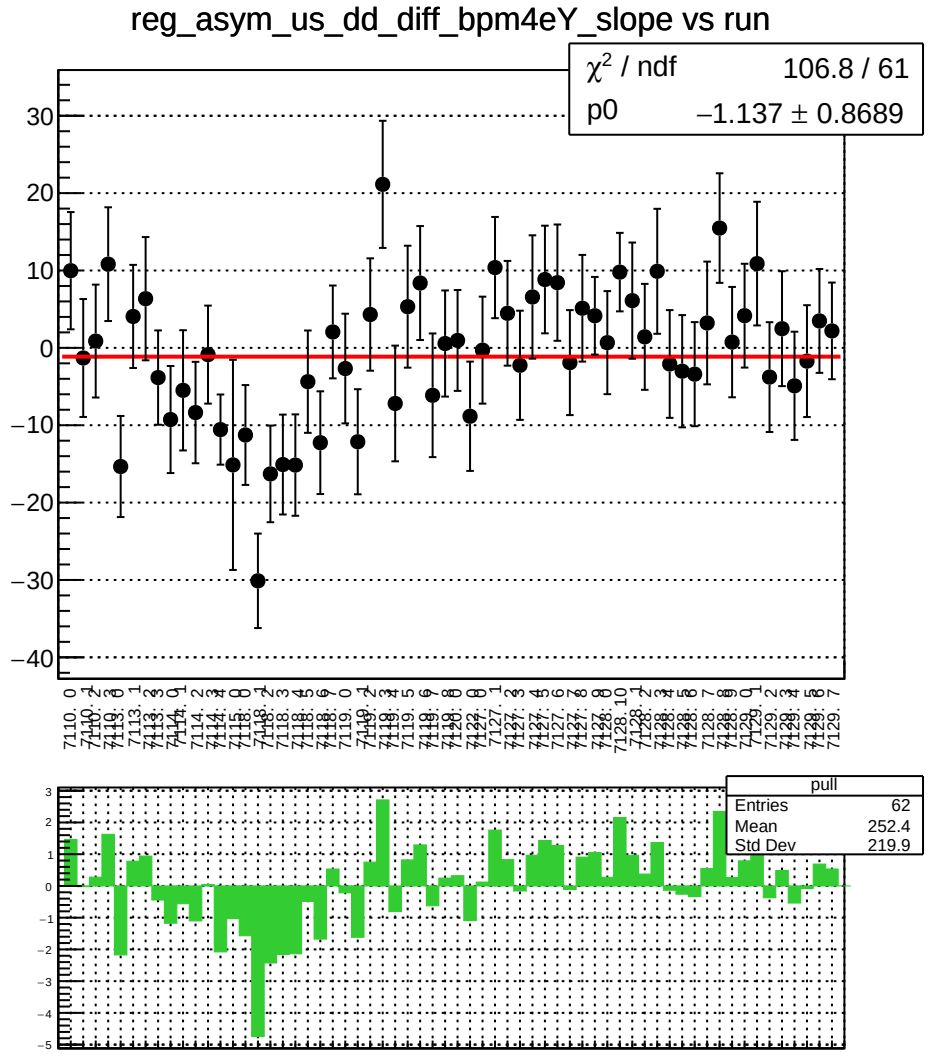

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 199.3 / 61
p0 −8.794 ± 0.9535
pull
Entries 62
Mean 95.26
Std Dev 61.16
pull1D
Entries 62
Mean 0.2171
Std Dev 1.78

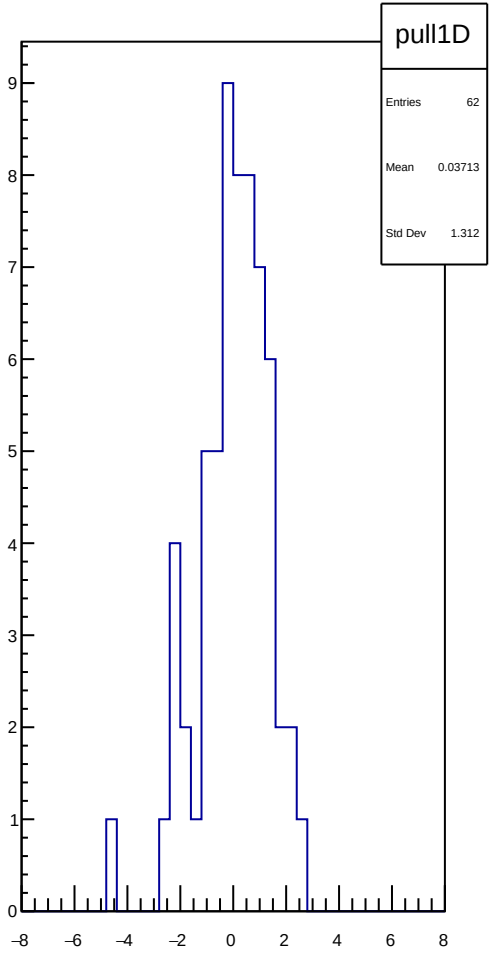

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.9 / 61
p0 2.653 ± 0.8229
pull
Entries 62
Mean 212.4
Std Dev 179.9

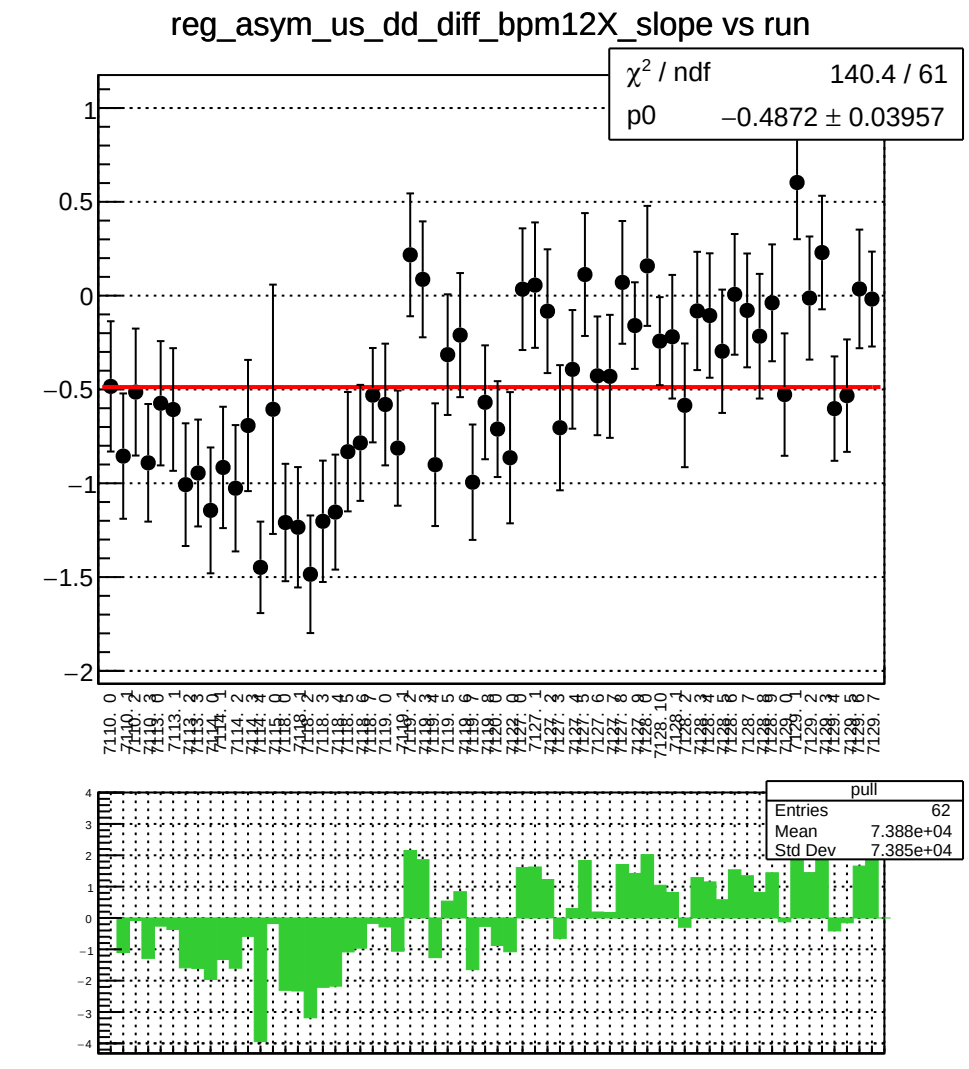

pull1D
Entries 62
Mean −0.0445
Std Dev 1.275

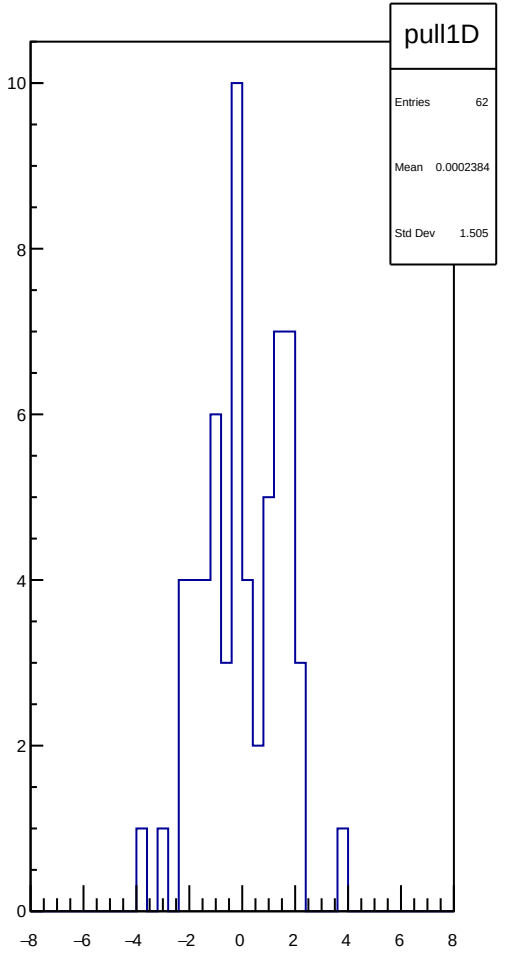

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 206.4 / 61
p0 −49.84 ± 0.9474
pull
Entries 62
Mean 96.11
Std Dev 62.2

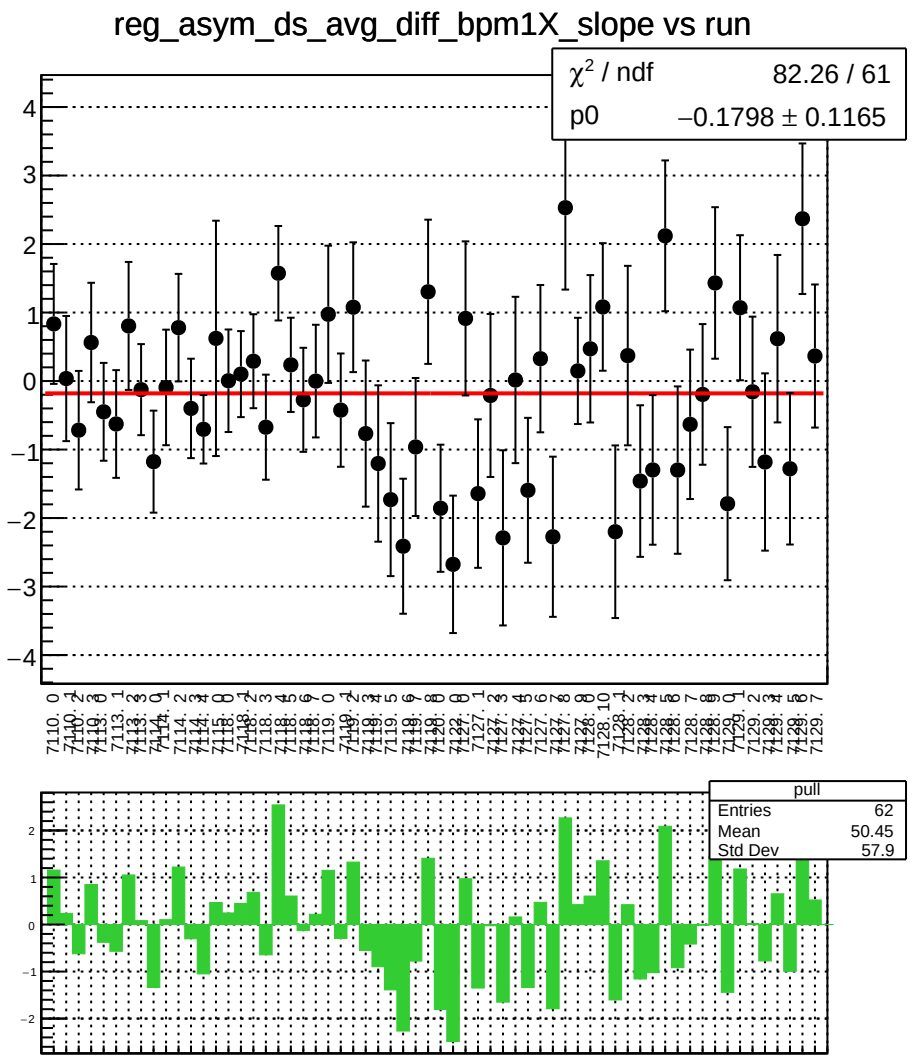

pull1D
Entries 62
Mean −0.2259
Std Dev 1.81

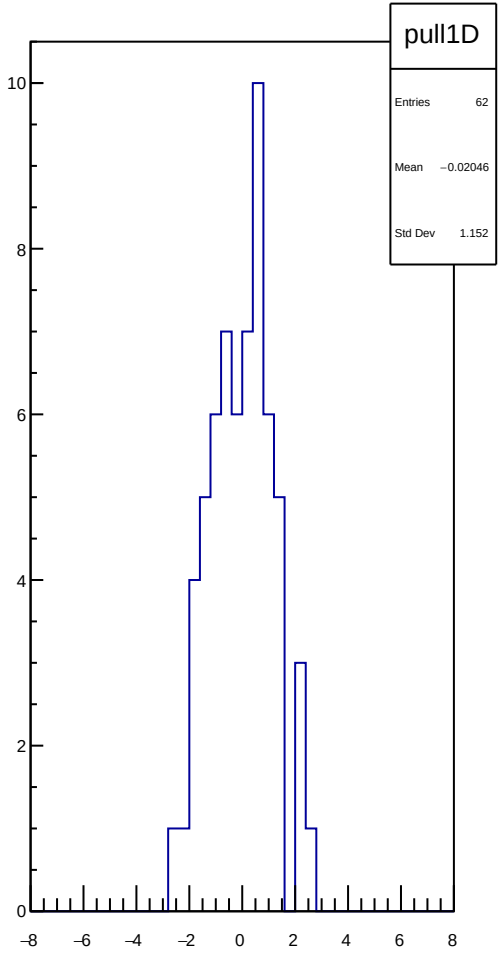

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 106.8 / 61
p0 −1.137 ± 0.8689
pull
Entries 62
Mean 252.4
Std Dev 219.9

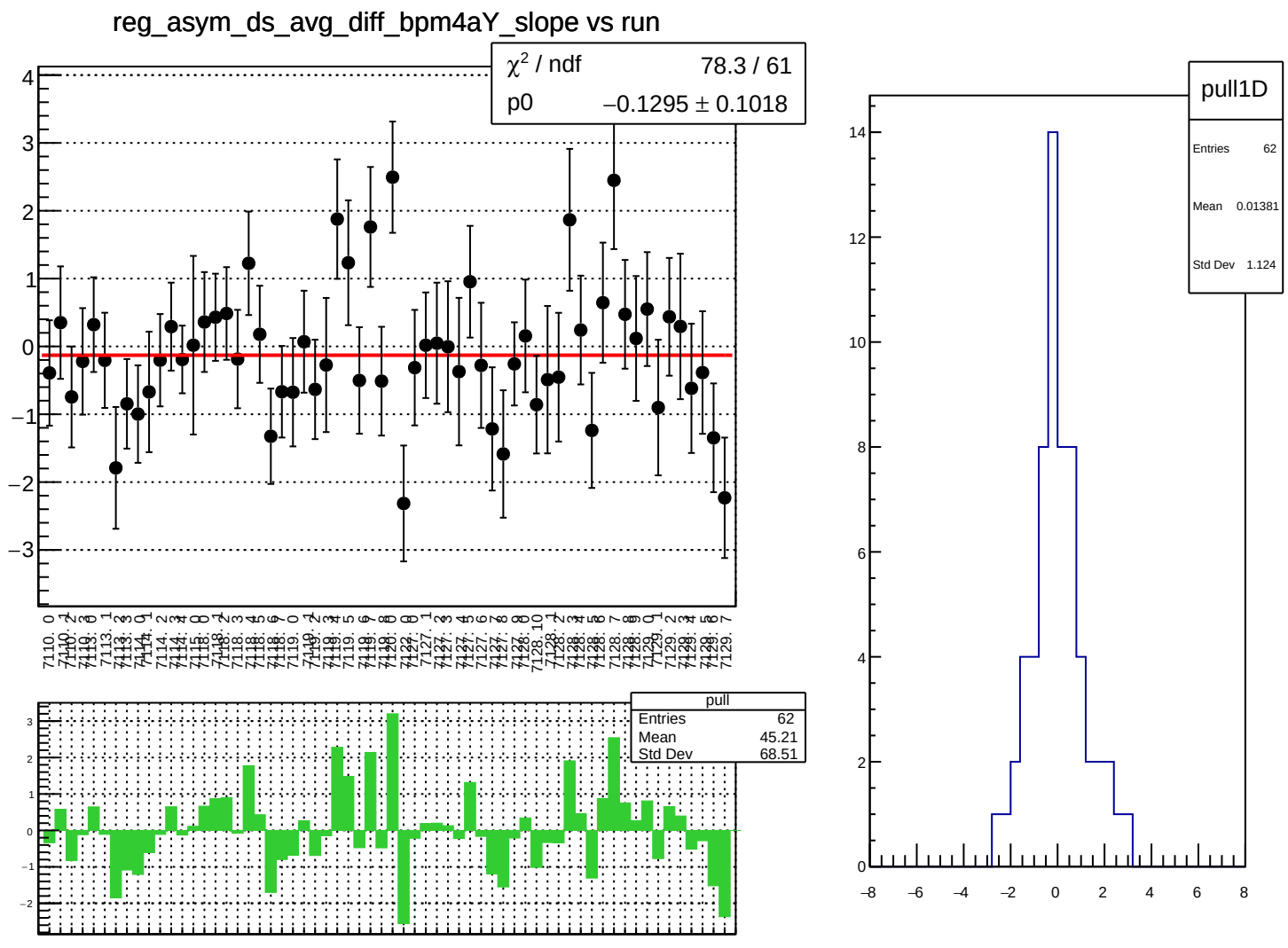

pull1D
Entries 62
Mean 0.03713
Std Dev 1.312

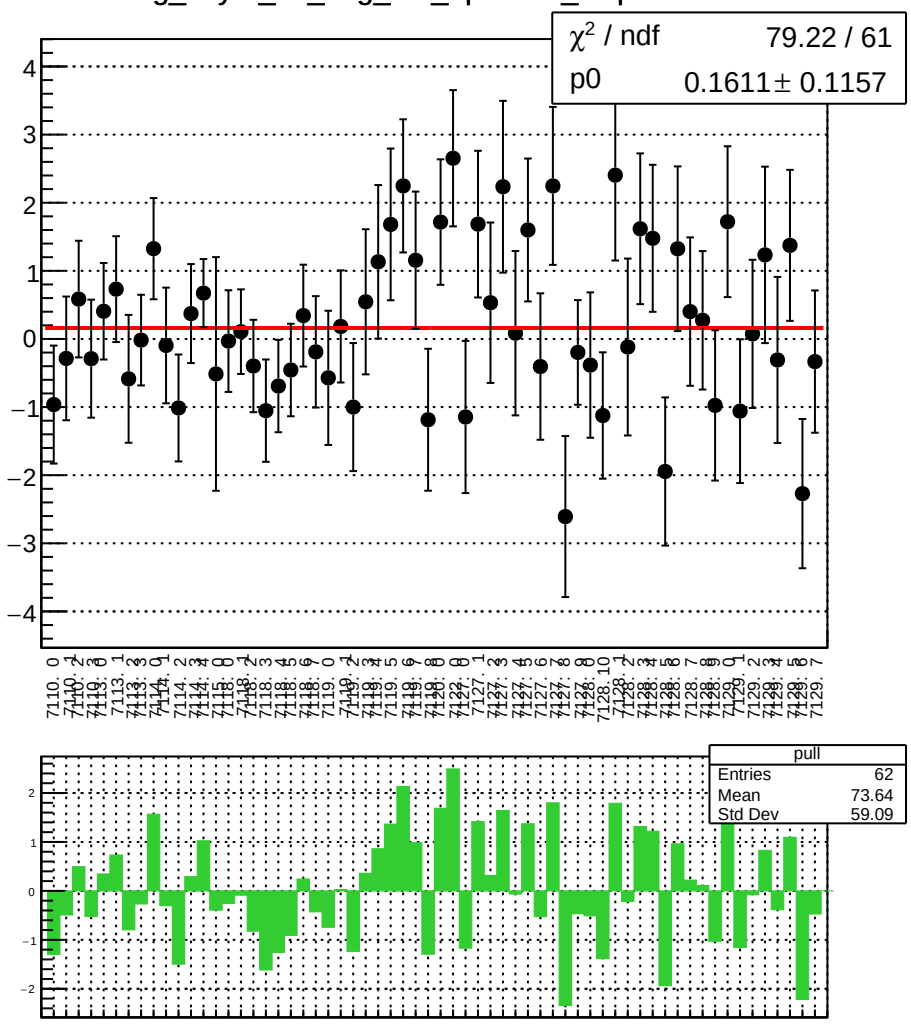

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 140.4 / 61
p0 −0.4872 ± 0.03957
pull
Entries 62
Mean 7.388e+04
Std Dev 7.385e+04

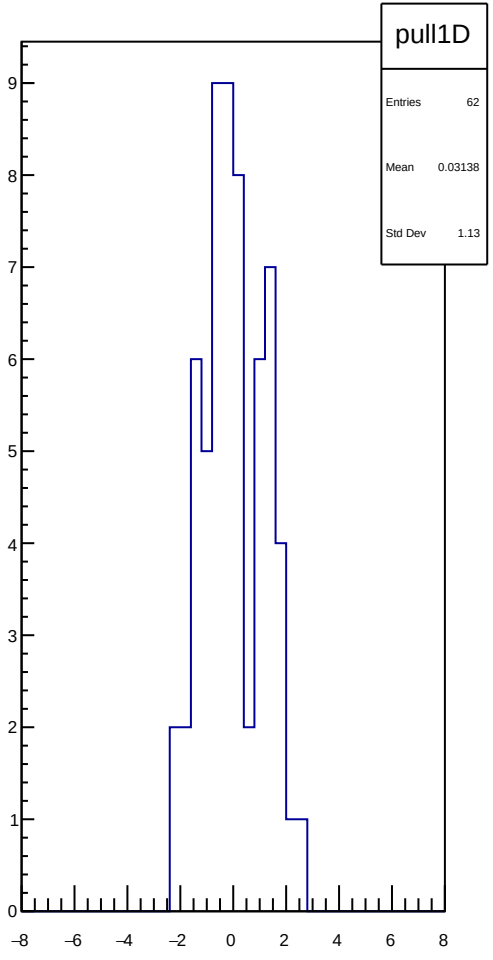

pull1D
Entries 62
Mean 0.0002384
Std Dev 1.505

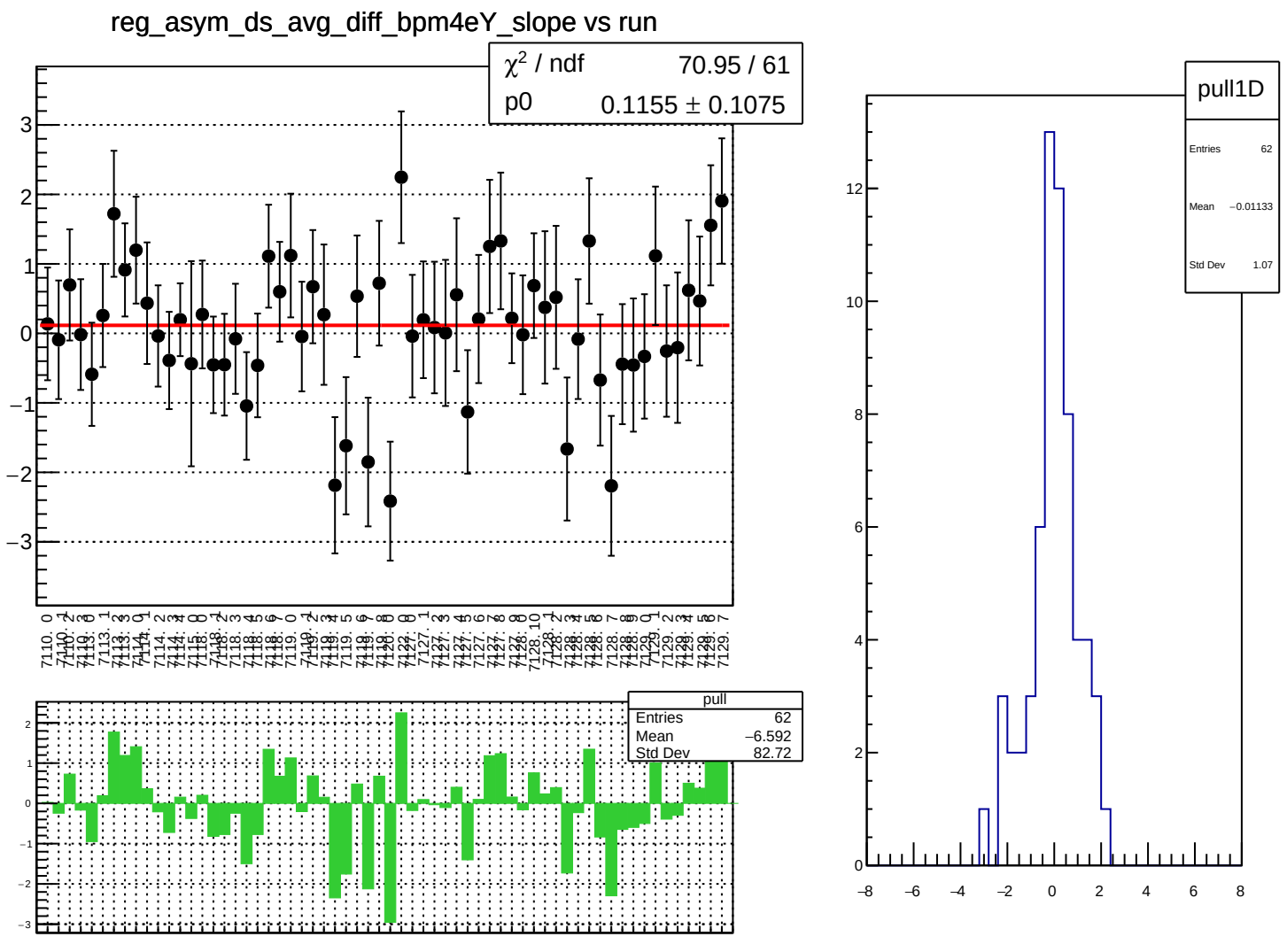

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 82.26 / 61
p0 −0.1798 ± 0.1165
pull
Entries 62
Mean 50.45
Std Dev 57.9

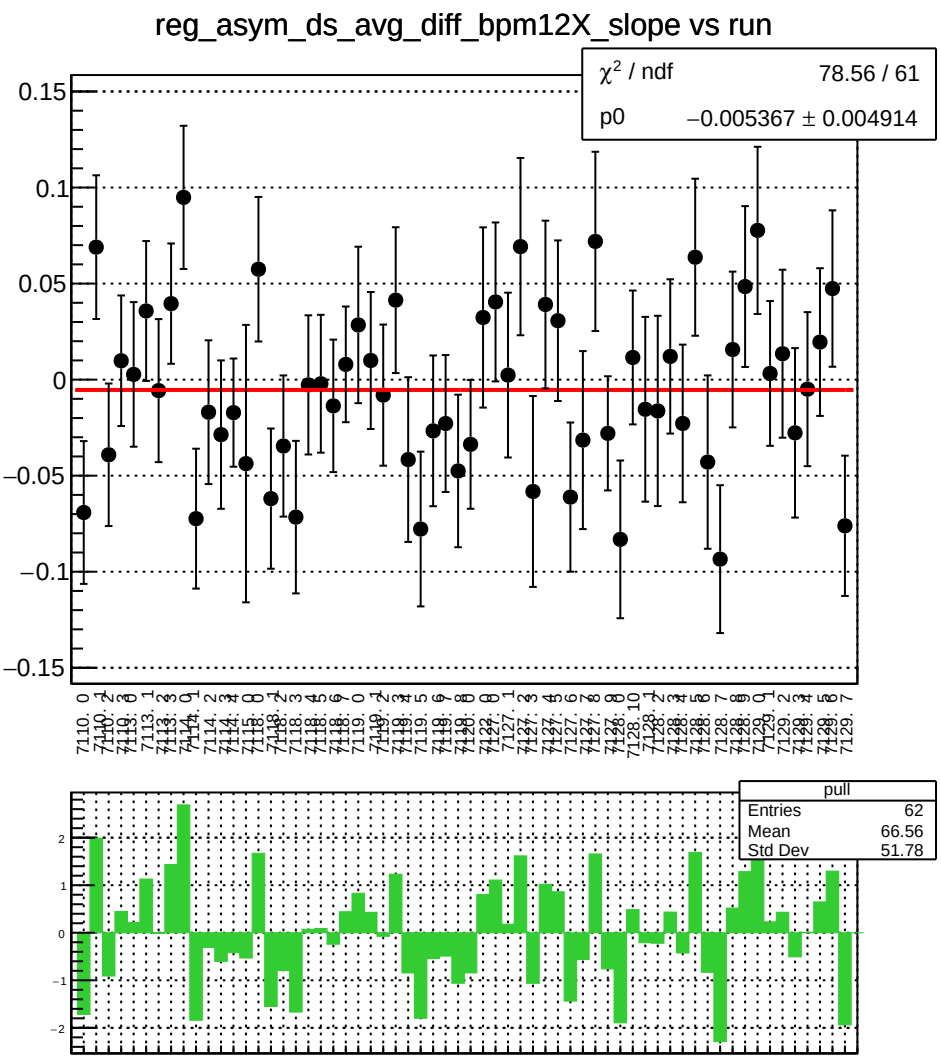

pull1D
Entries 62
Mean −0.02046
Std Dev 1.152

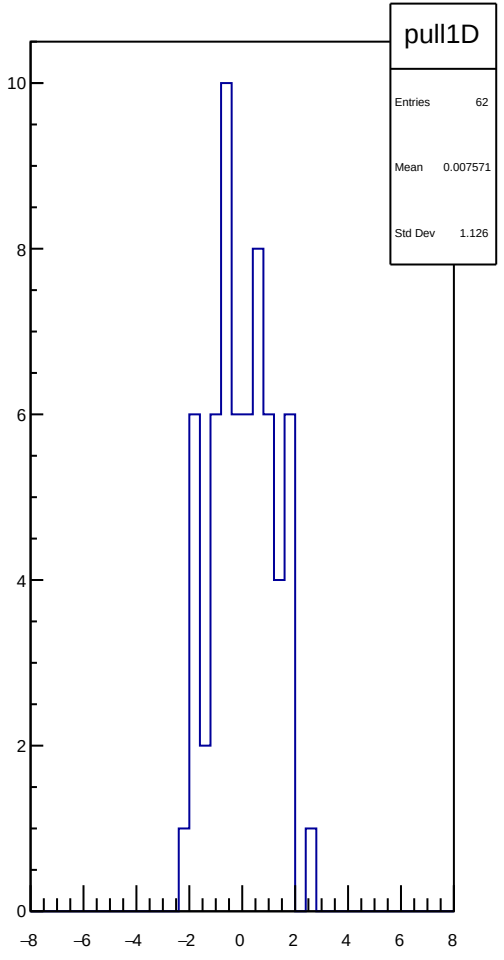

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.3 / 61
p0 −0.1295 ± 0.1018
pull
Entries 62
Mean 45.21
Std Dev 68.51
pull1D
Entries 62
Mean 0.01381
Std Dev 1.124

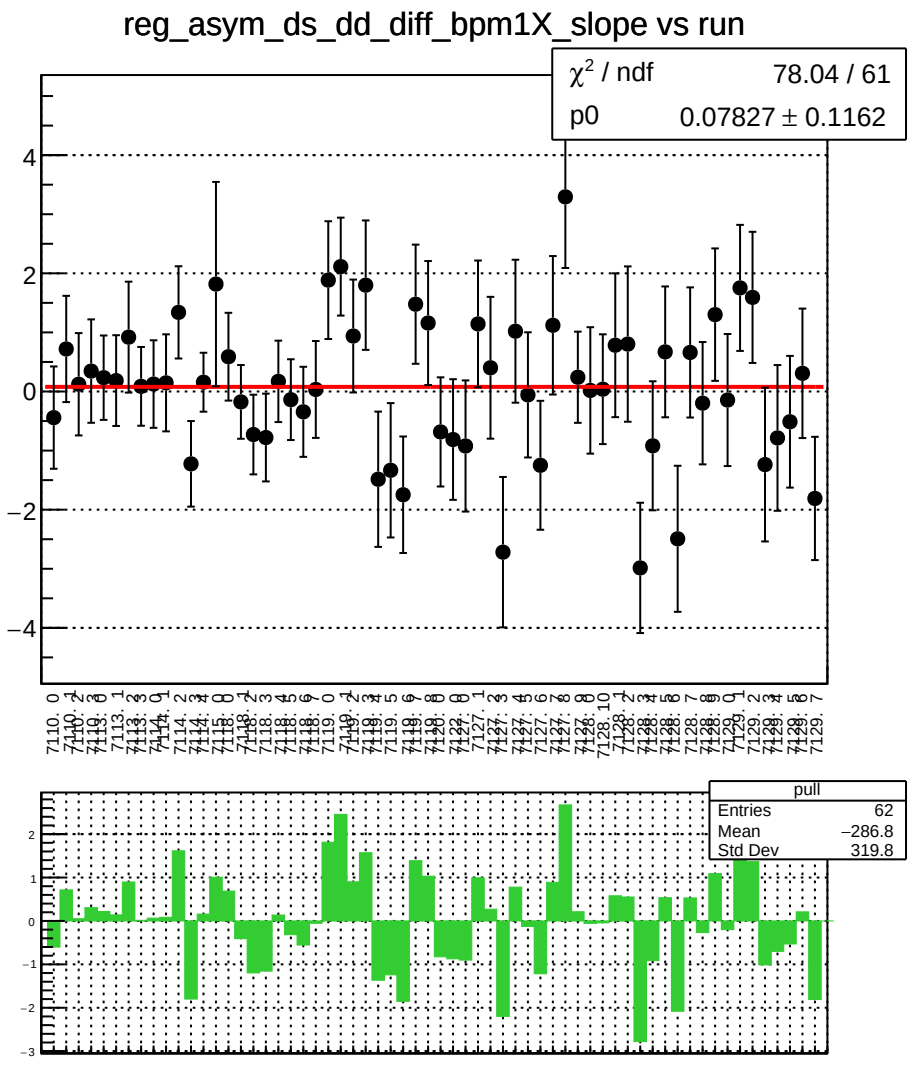

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.22 / 61
p0 0.1611 ± 0.1157
pull
Entries 62
Mean 73.64
Std Dev 59.09

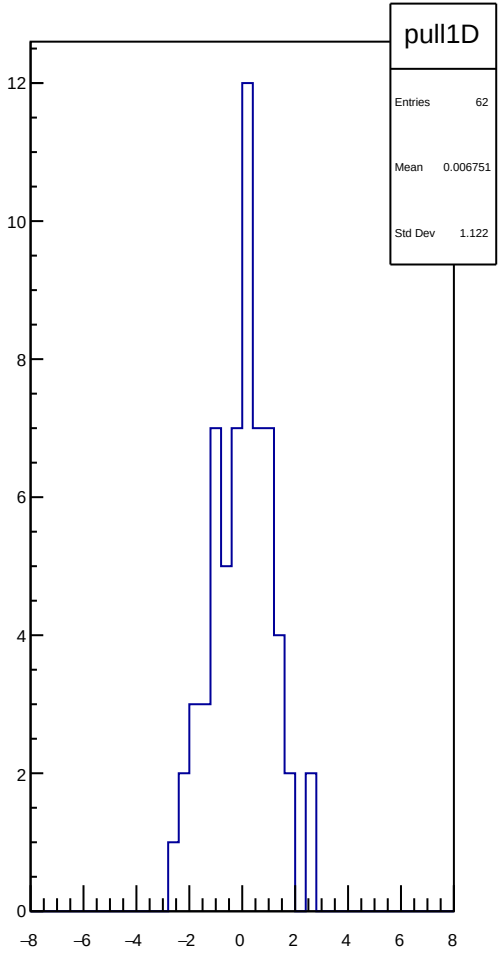

pull1D
Entries 62
Mean 0.03138
Std Dev 1.13

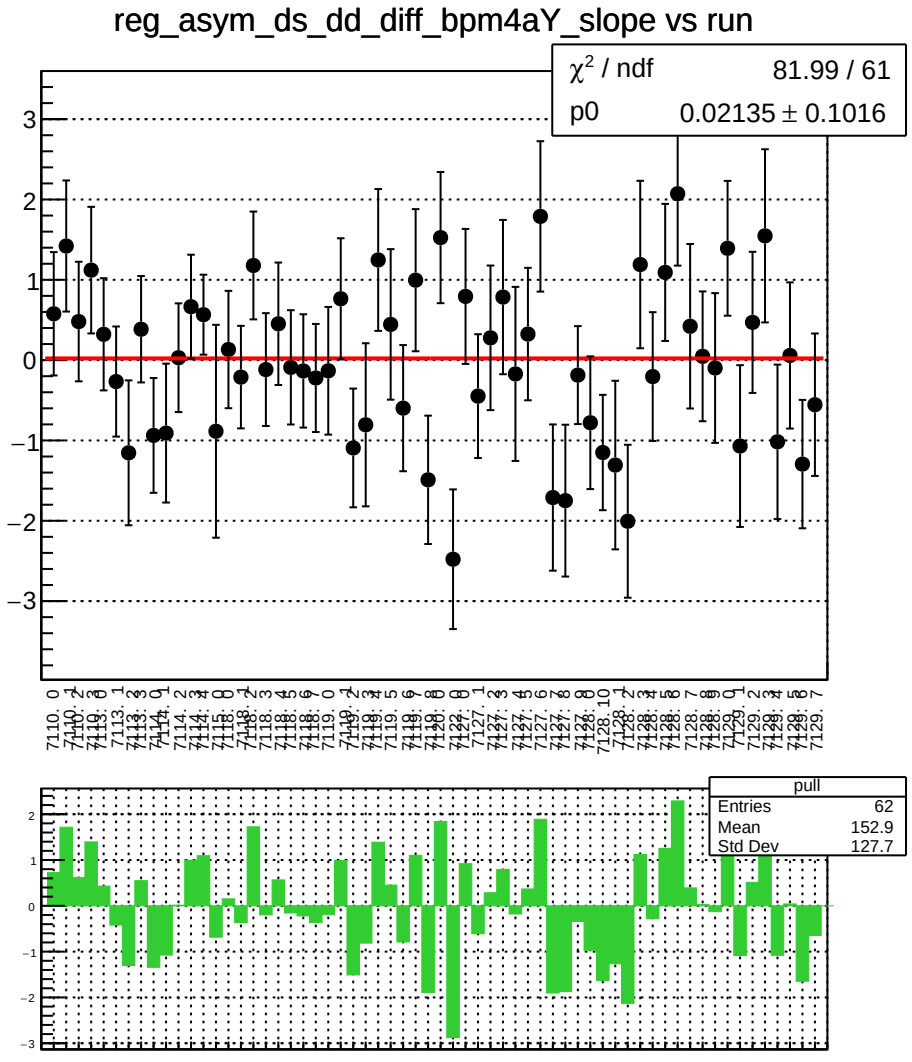

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 70.95 / 61
p0 0.1155 ± 0.1075
pull
Entries 62
Mean −6.592
Std Dev 82.72
pull1D
Entries 62
Mean −0.01133
Std Dev 1.07

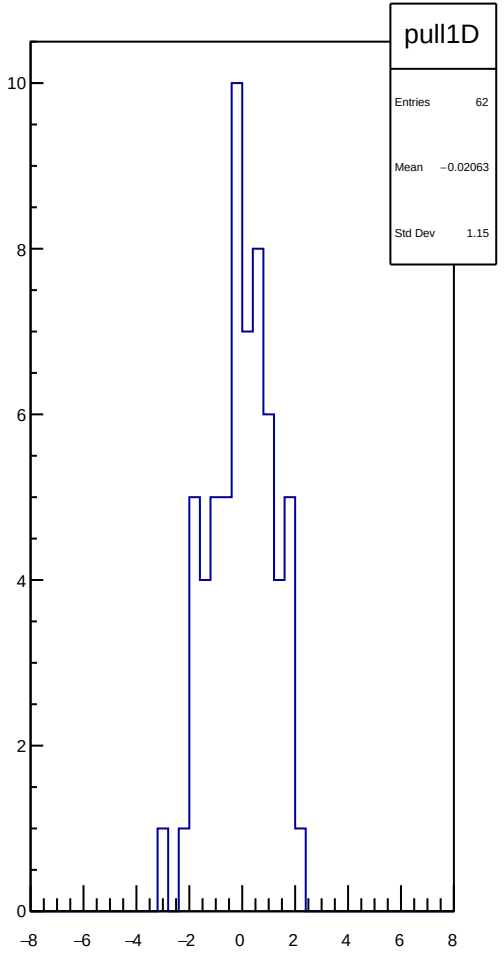

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 78.56 / 61
p0 −0.005367 ± 0.004914
pull
Entries 62
Mean 66.56
Std Dev 51.78

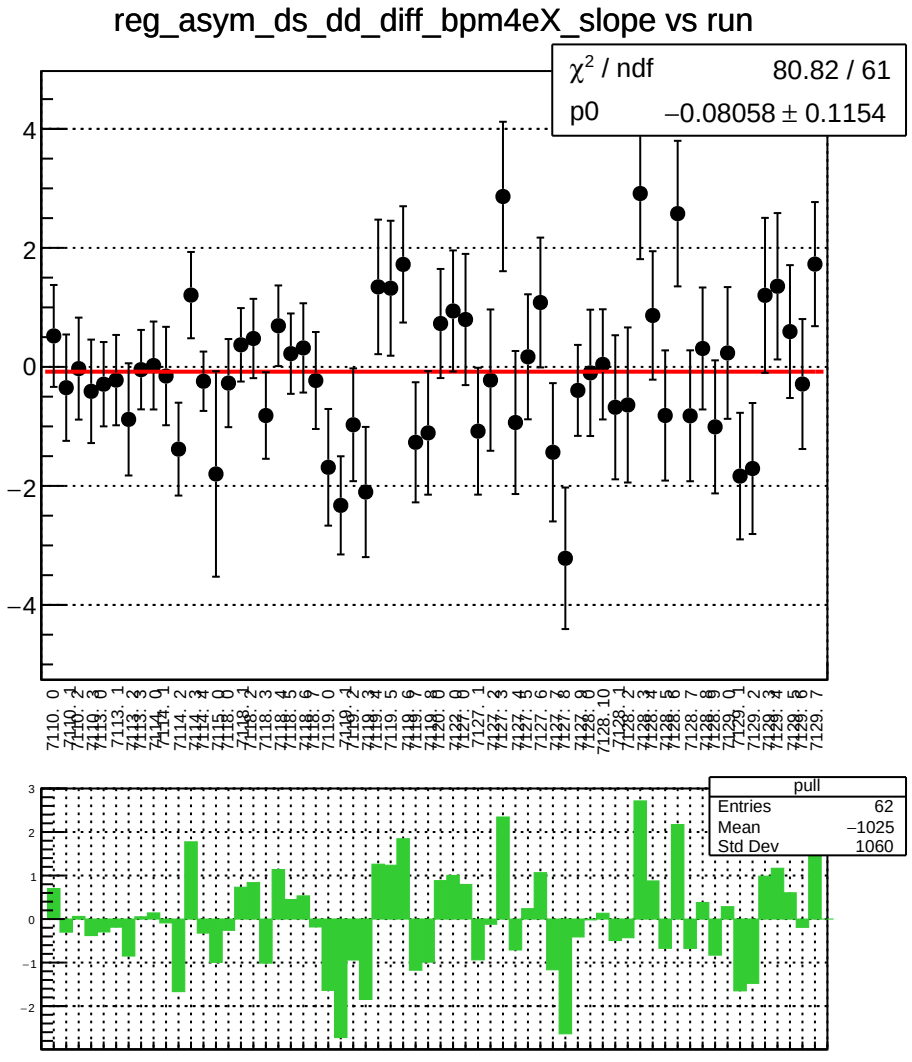

pull1D
Entries 62
Mean 0.007571
Std Dev 1.126

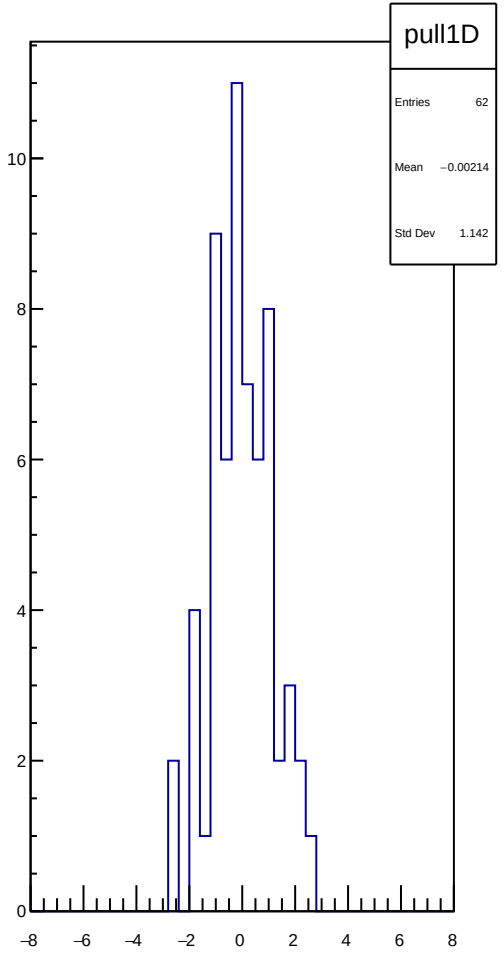

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 78.04 / 61
p0 0.07827 ± 0.1162
pull
Entries 62
Mean −286.8
Std Dev 319.8

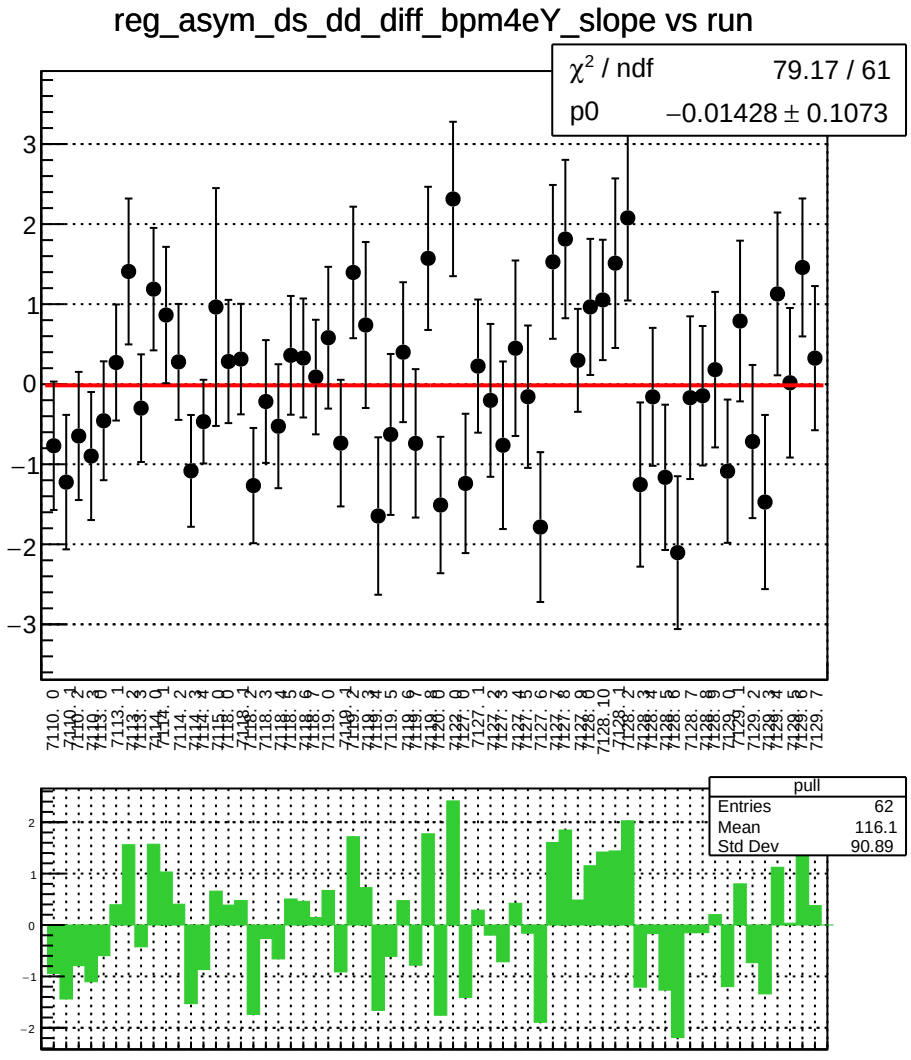

pull1D
Entries 62
Mean 0.006751
Std Dev 1.122

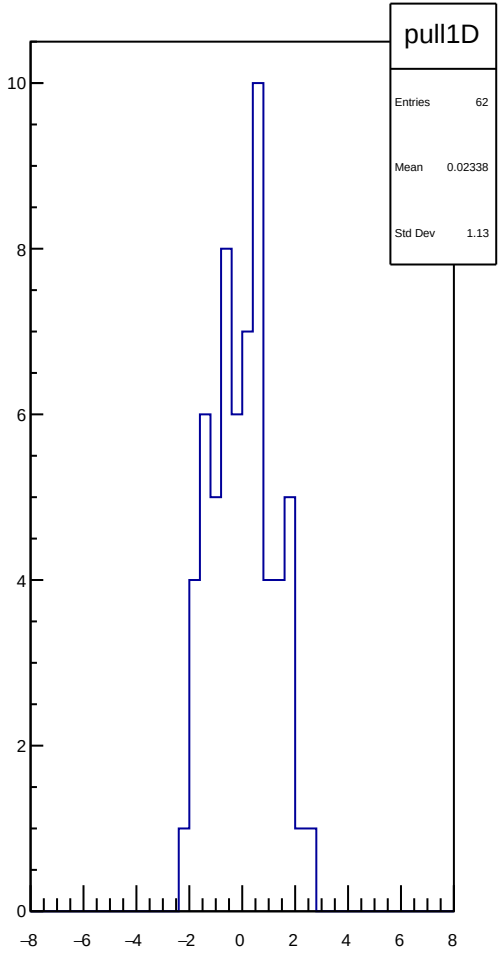

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.99 / 61
p0 0.02135 ± 0.1016
pull
Entries 62
Mean 152.9
Std Dev 127.7

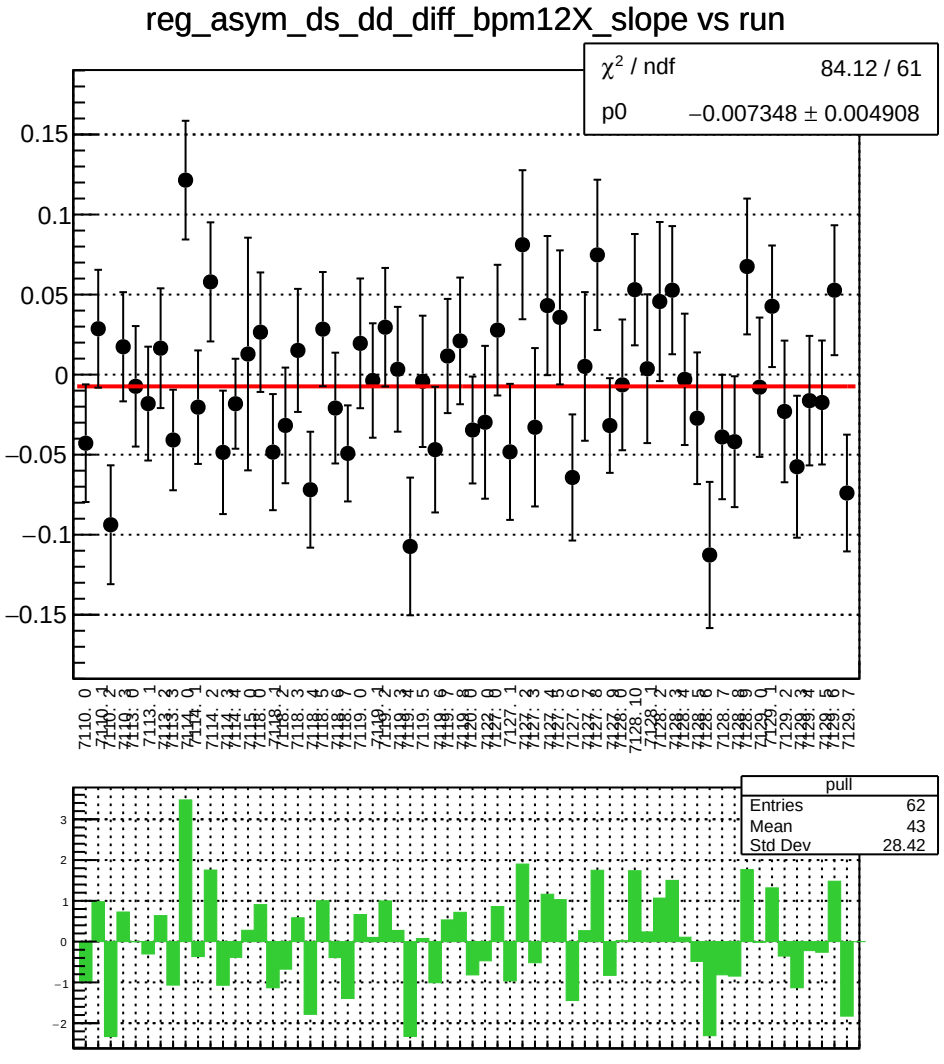

pull1D
Entries 62
Mean −0.02063
Std Dev 1.15

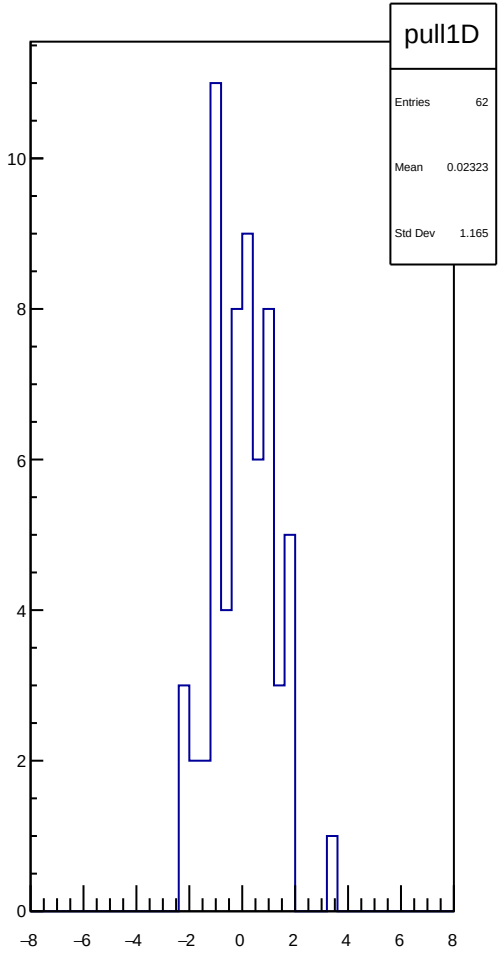

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.82 / 61
p0 −0.08058 ± 0.1154
pull
Entries 62
Mean −1025
Std Dev 1060

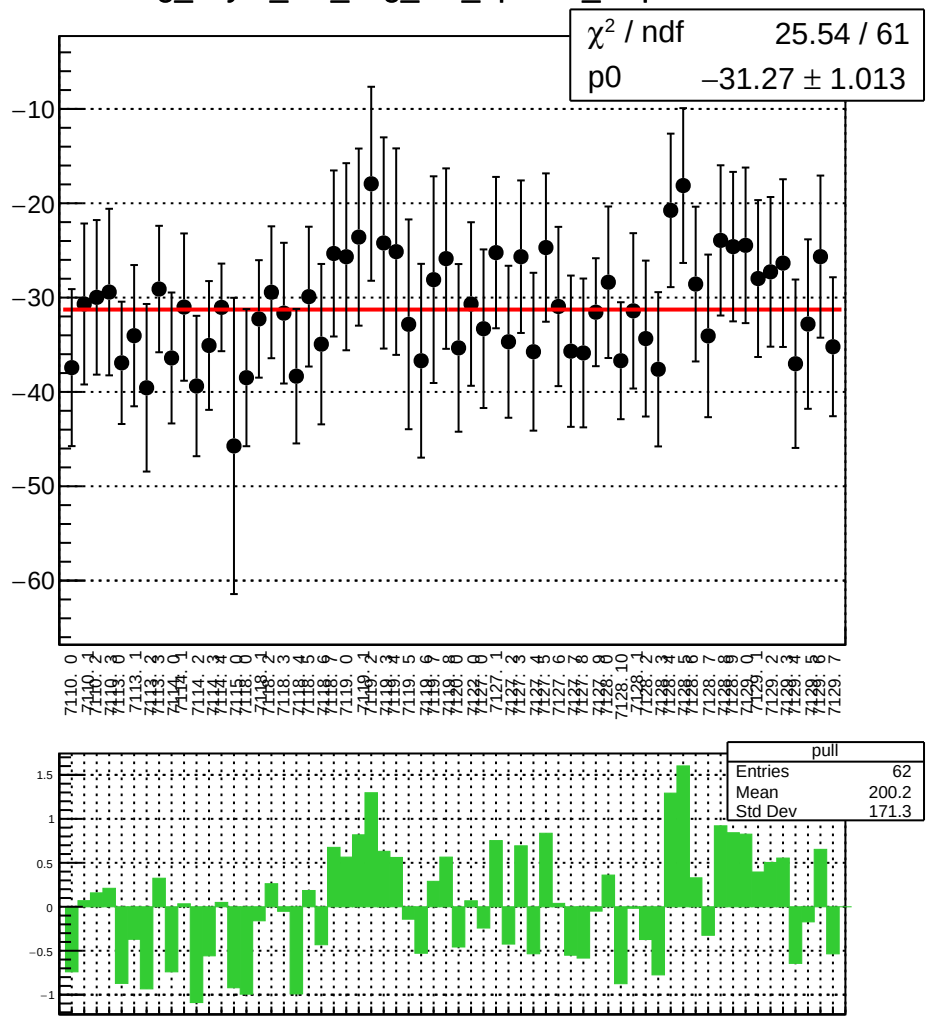

pull1D
Entries 62
Mean −0.00214
Std Dev 1.142

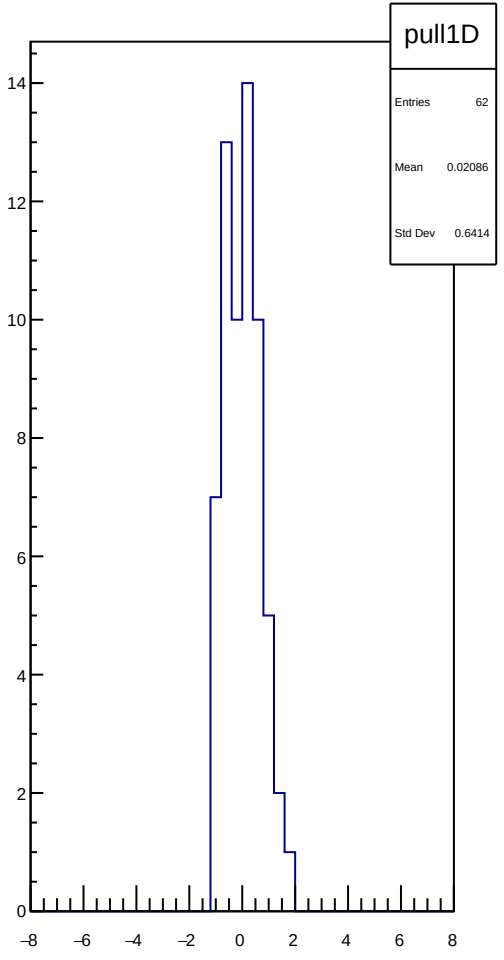

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.17 / 61
p0 −0.01428 ± 0.1073
pull
Entries 62
Mean 116.1
Std Dev 90.89

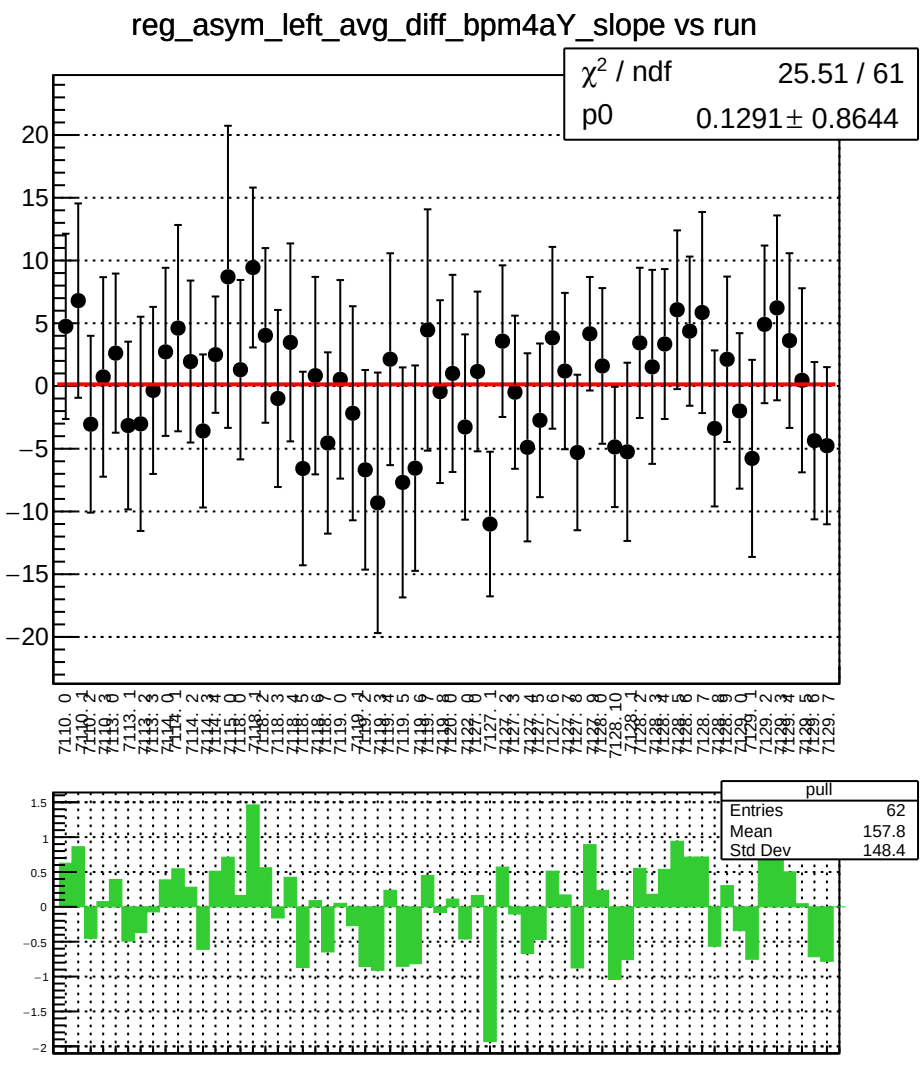

pull1D
Entries 62
Mean 0.02338
Std Dev 1.13

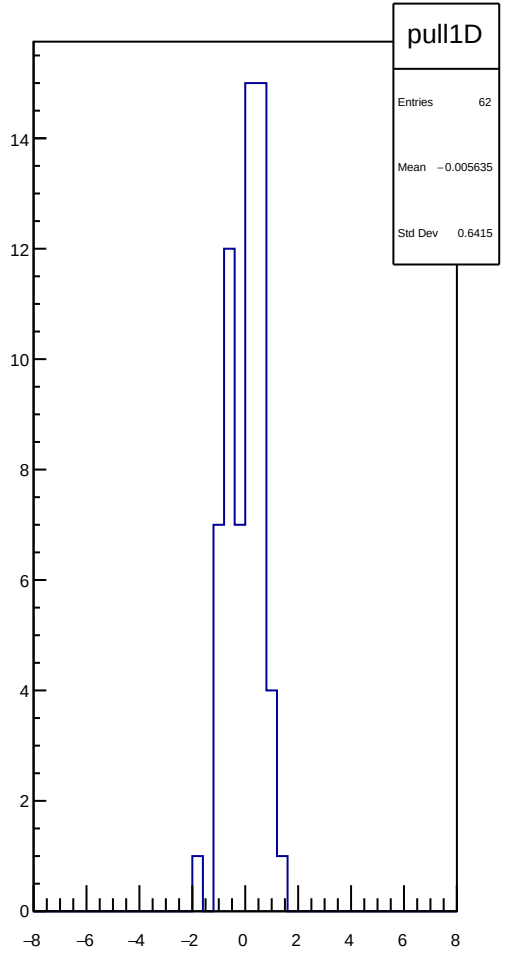

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 84.12 / 61
p0 −0.007348 ± 0.004908
pull
Entries 62
Mean 43
Std Dev 28.42

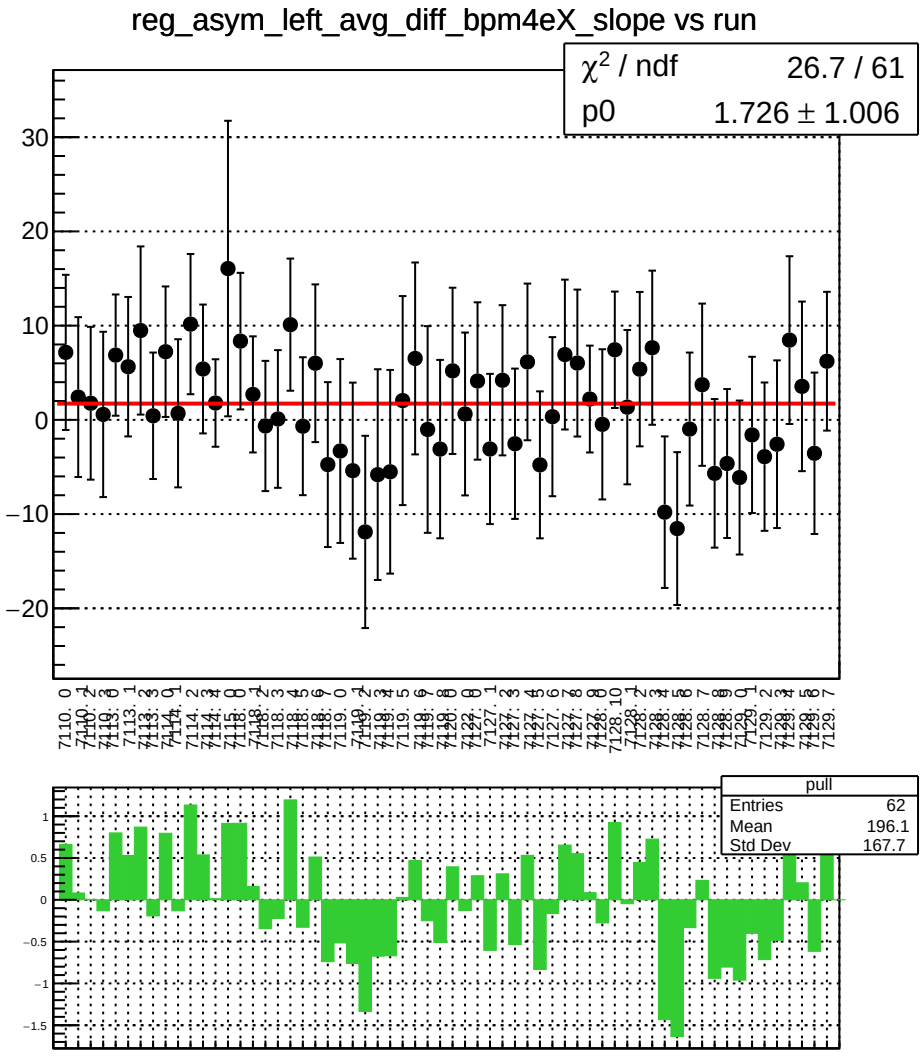

pull1D
Entries 62
Mean 0.02323
Std Dev 1.165

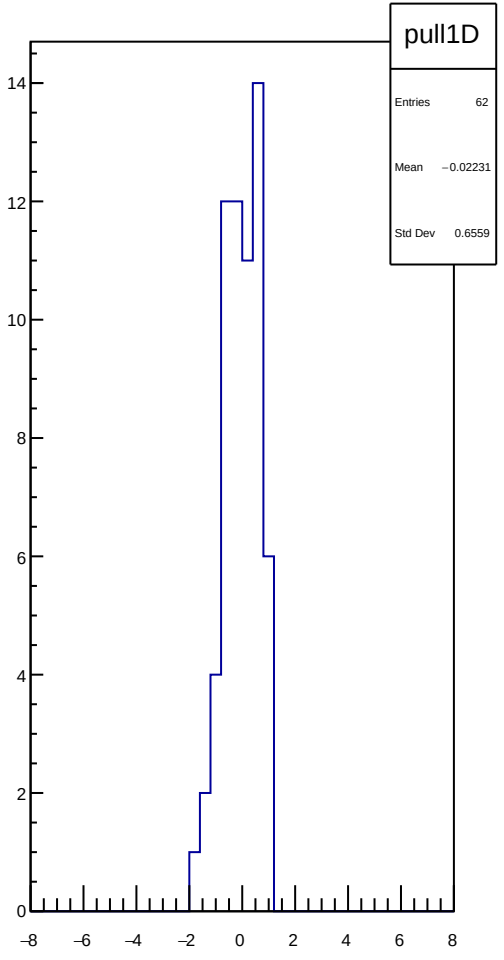

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 25.54 / 61
p0 −31.27 ± 1.013
pull
Entries 62
Mean 200.2
Std Dev 171.3

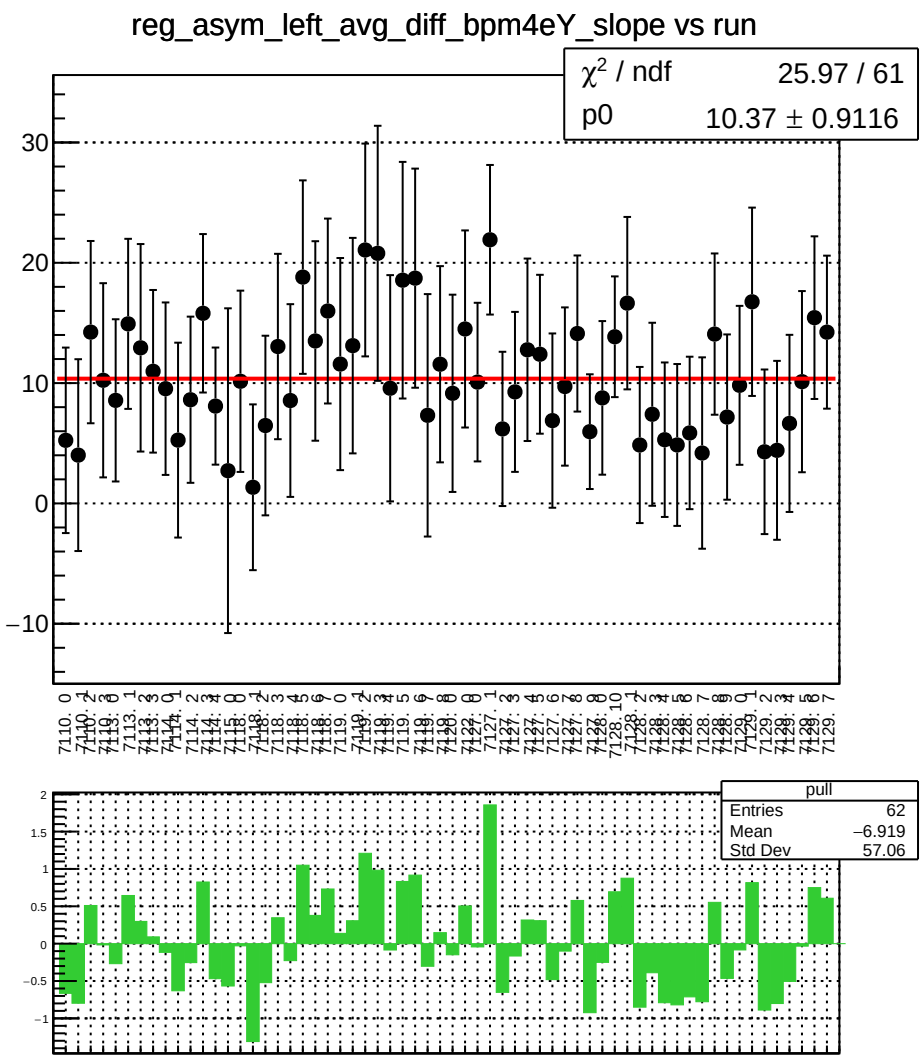

pull1D
Entries 62
Mean 0.02086
Std Dev 0.6414

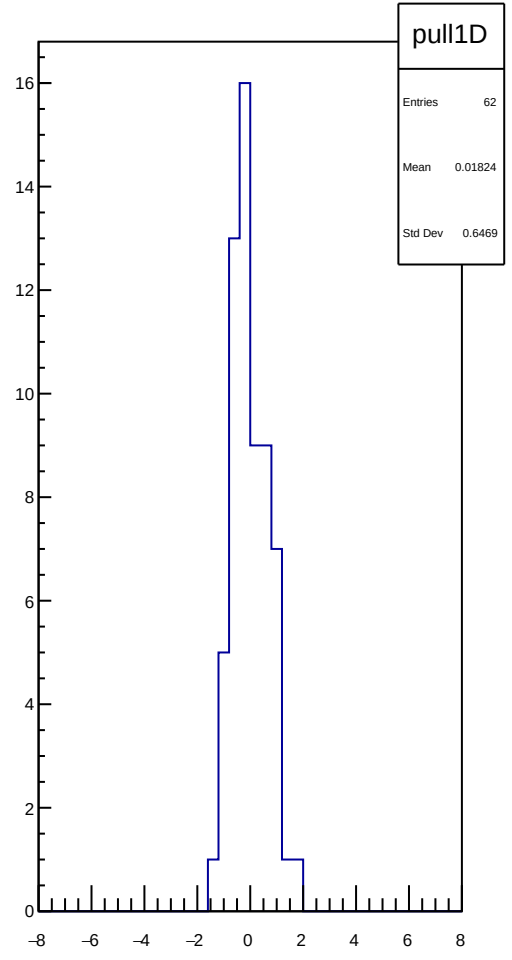

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.51 / 61
p0 0.1291 ± 0.8644
pull
Entries 62
Mean 157.8
Std Dev 148.4

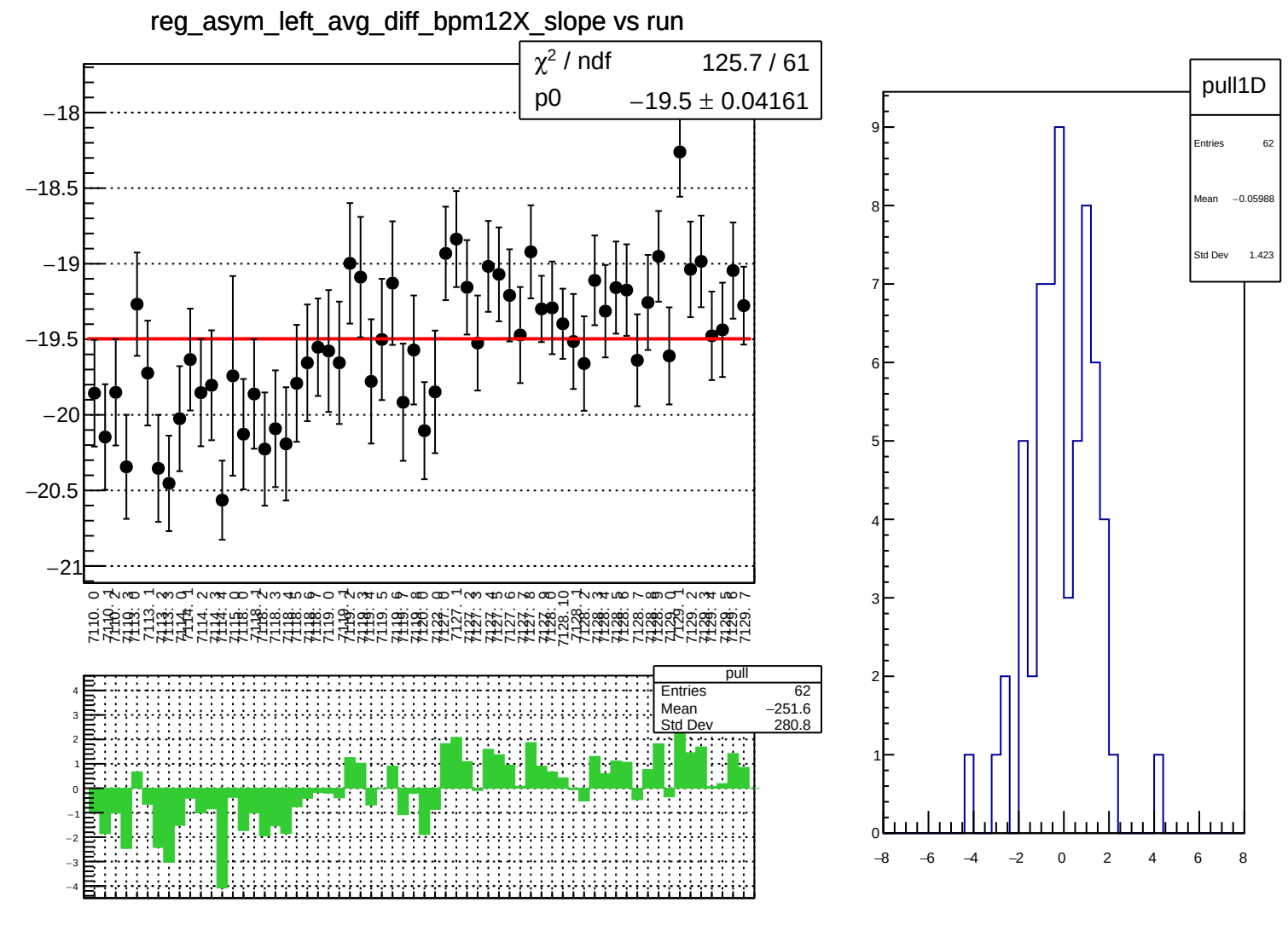

pull1D
Entries 62
Mean −0.005635
Std Dev 0.6415

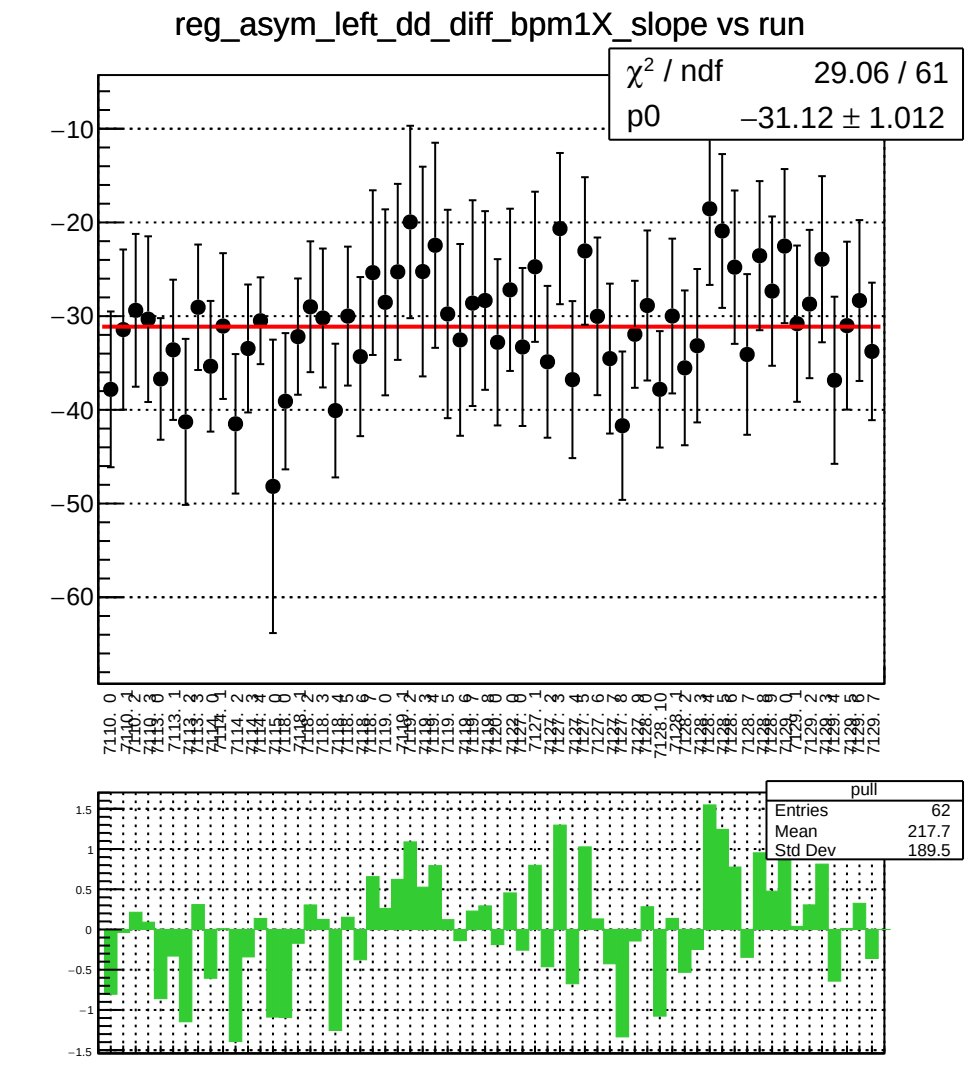

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.7 / 61
p0 1.726 ± 1.006
pull
Entries 62
Mean 196.1
Std Dev 167.7

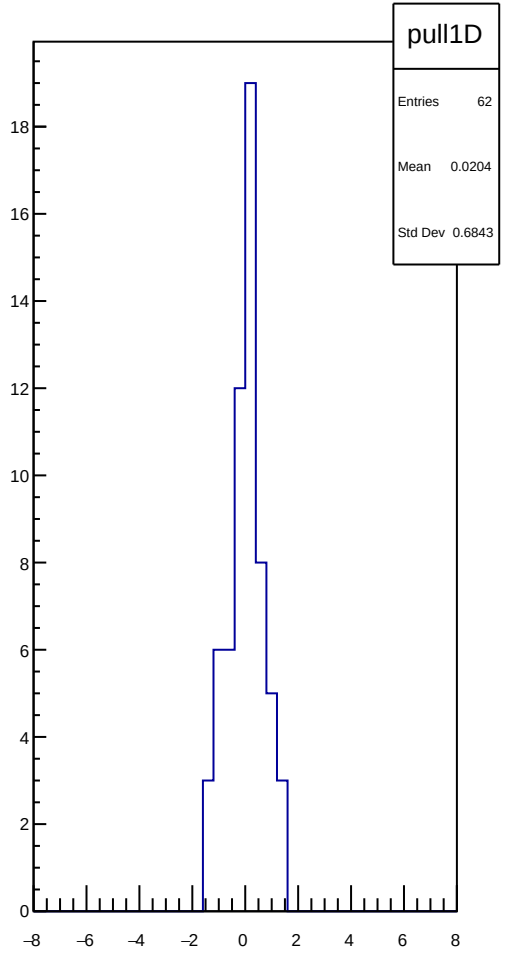

pull1D
Entries 62
Mean −0.02231
Std Dev 0.6559

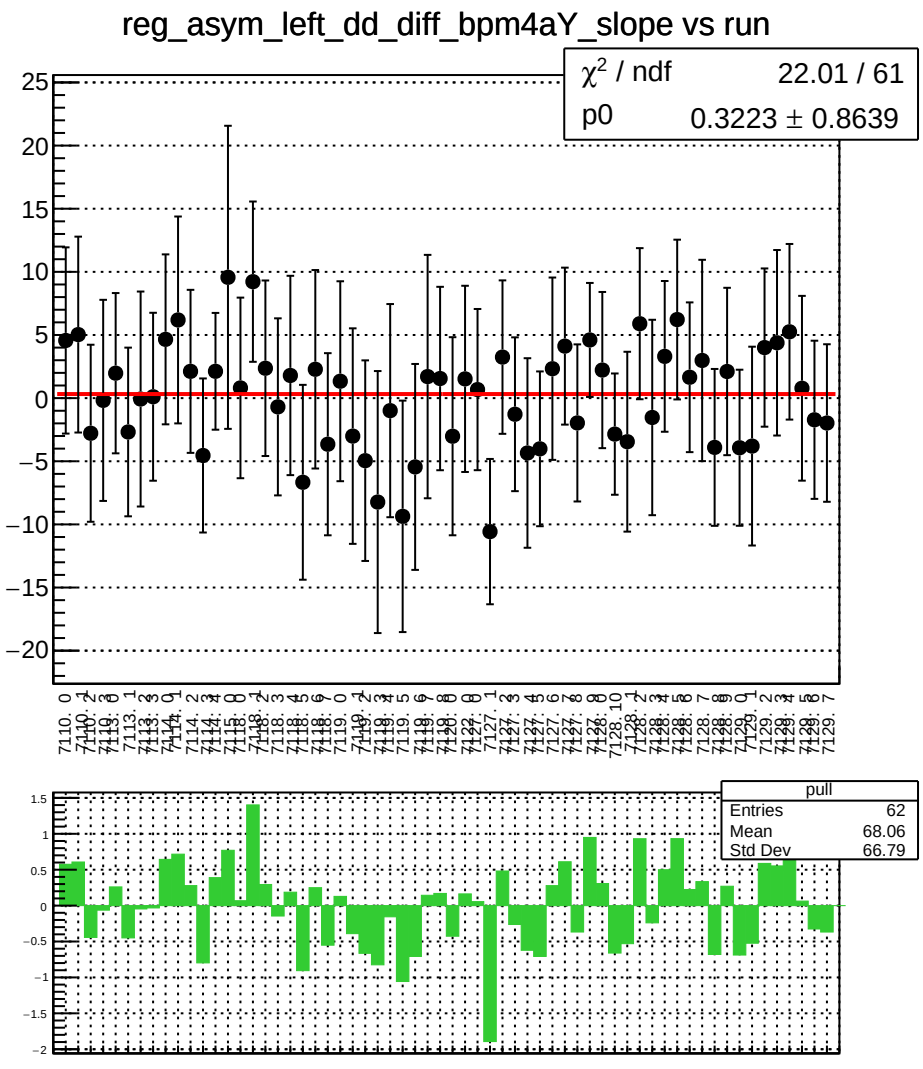

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.97 / 61
p0 10.37 ± 0.9116
pull
Entries 62
Mean −6.919
Std Dev 57.06

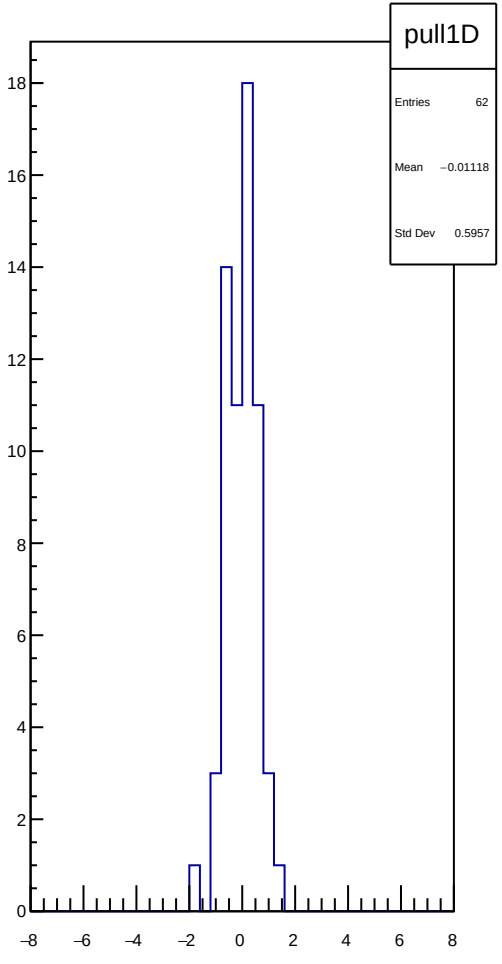

pull1D
Entries 62
Mean 0.01824
Std Dev 0.6469

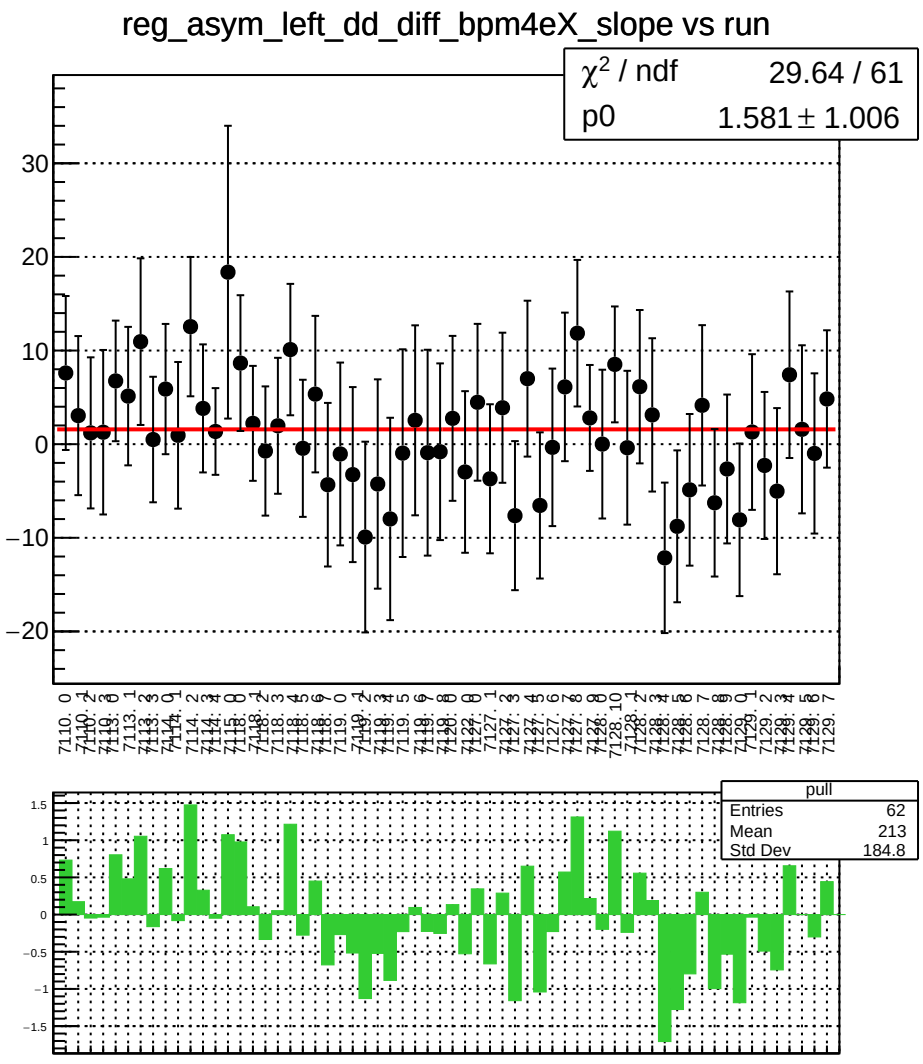

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 125.7 / 61
p0 −19.5 ± 0.04161
pull
Entries 62
Mean −251.6
Std Dev 280.8
pull1D
Entries 62
Mean −0.05988
Std Dev 1.423

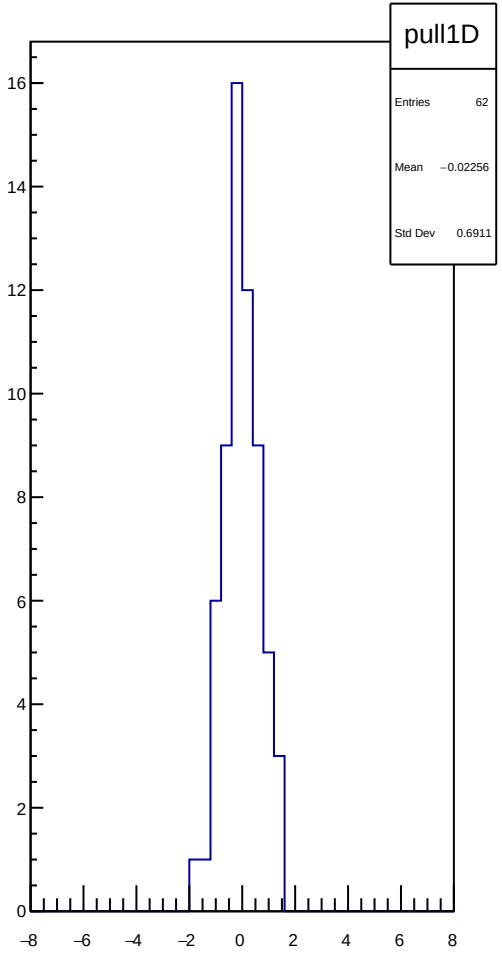

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 29.06 / 61
p0 −31.12 ± 1.012
pull
Entries 62
Mean 217.7
Std Dev 189.5

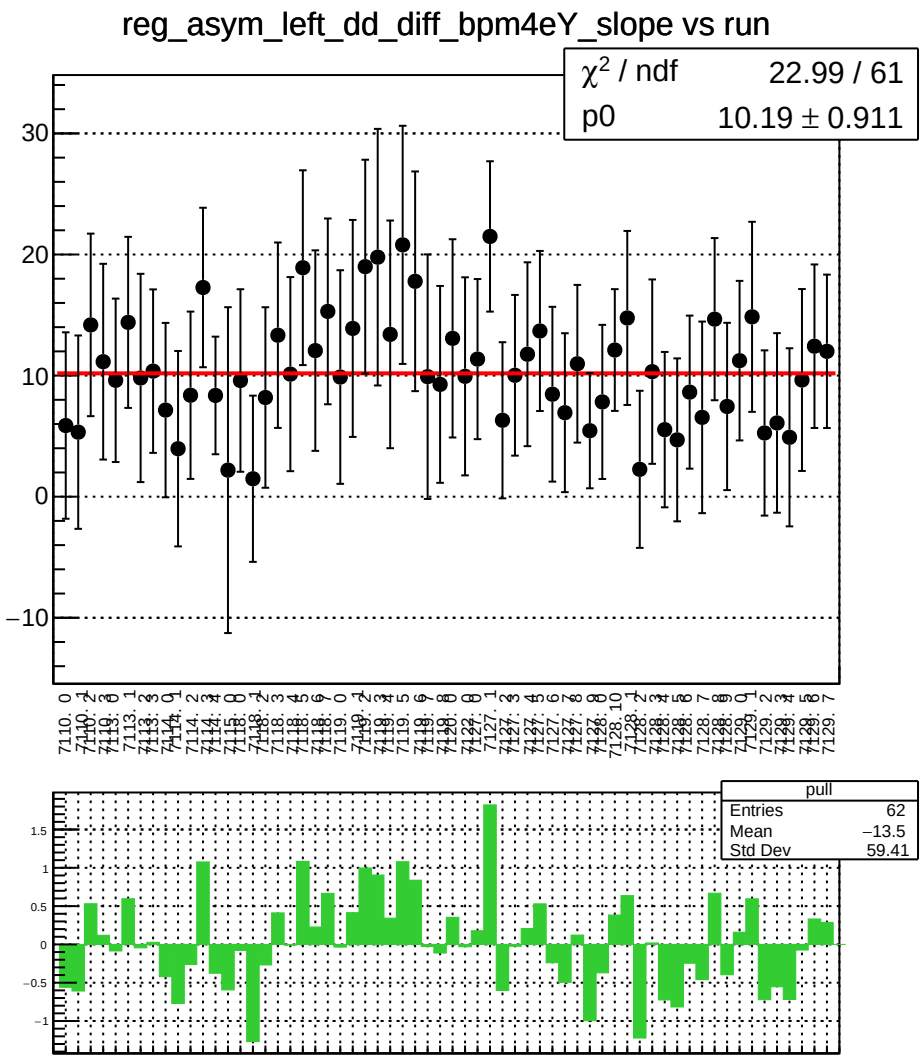

pull1D
Entries 62
Mean 0.0204
Std Dev 0.6843

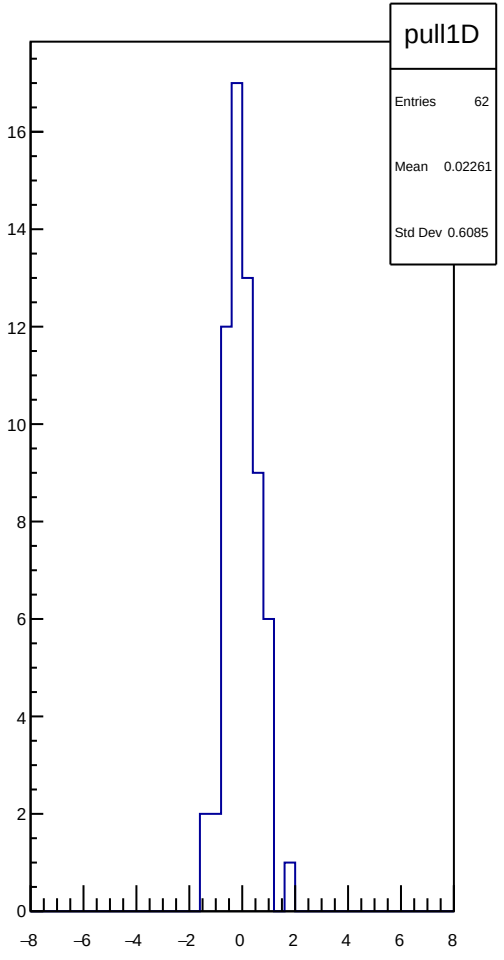

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.01 / 61
p0 0.3223 ± 0.8639
pull
Entries 62
Mean 68.06
Std Dev 66.79

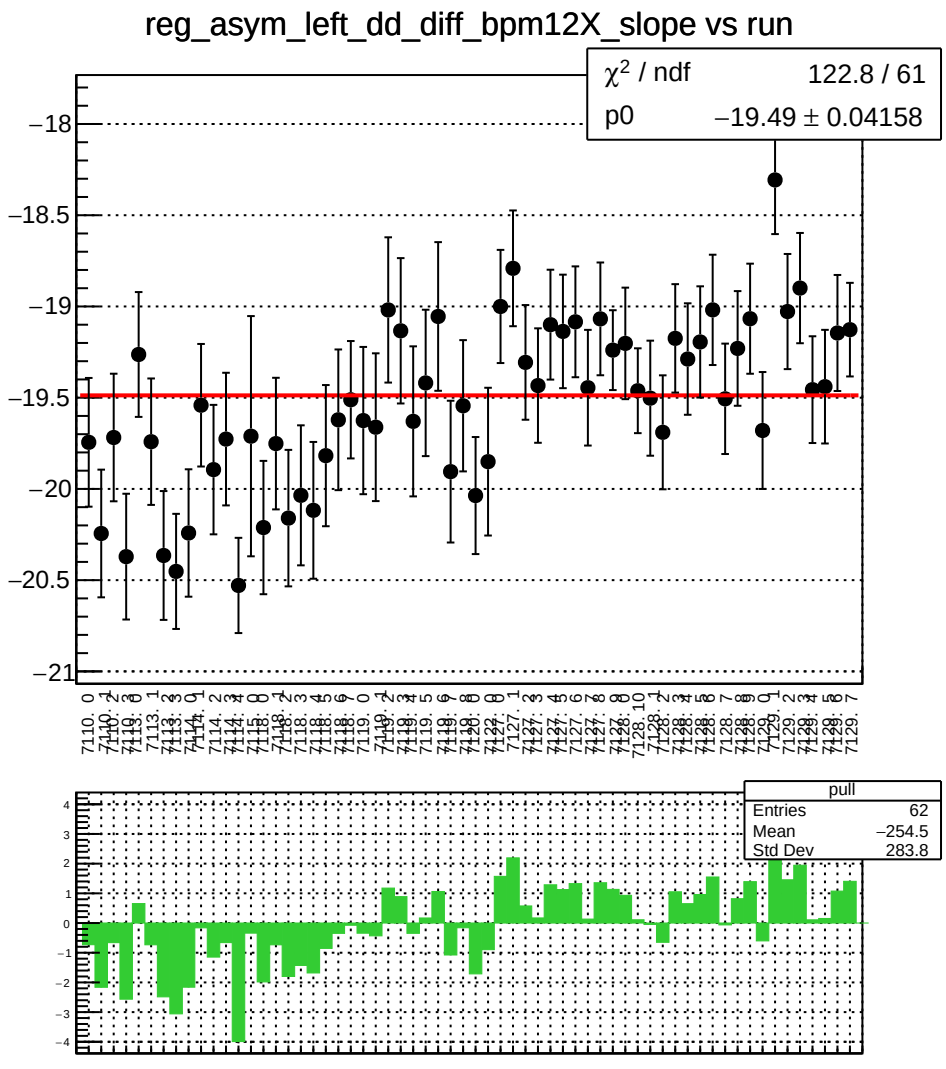

pull1D
Entries 62
Mean −0.01118
Std Dev 0.5957

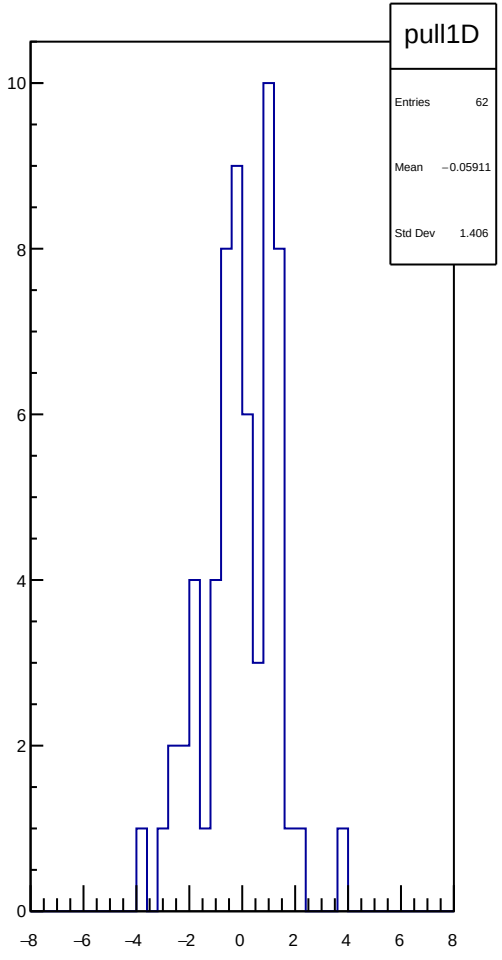

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.64 / 61
p0 1.581 ± 1.006
pull
Entries 62
Mean 213
Std Dev 184.8

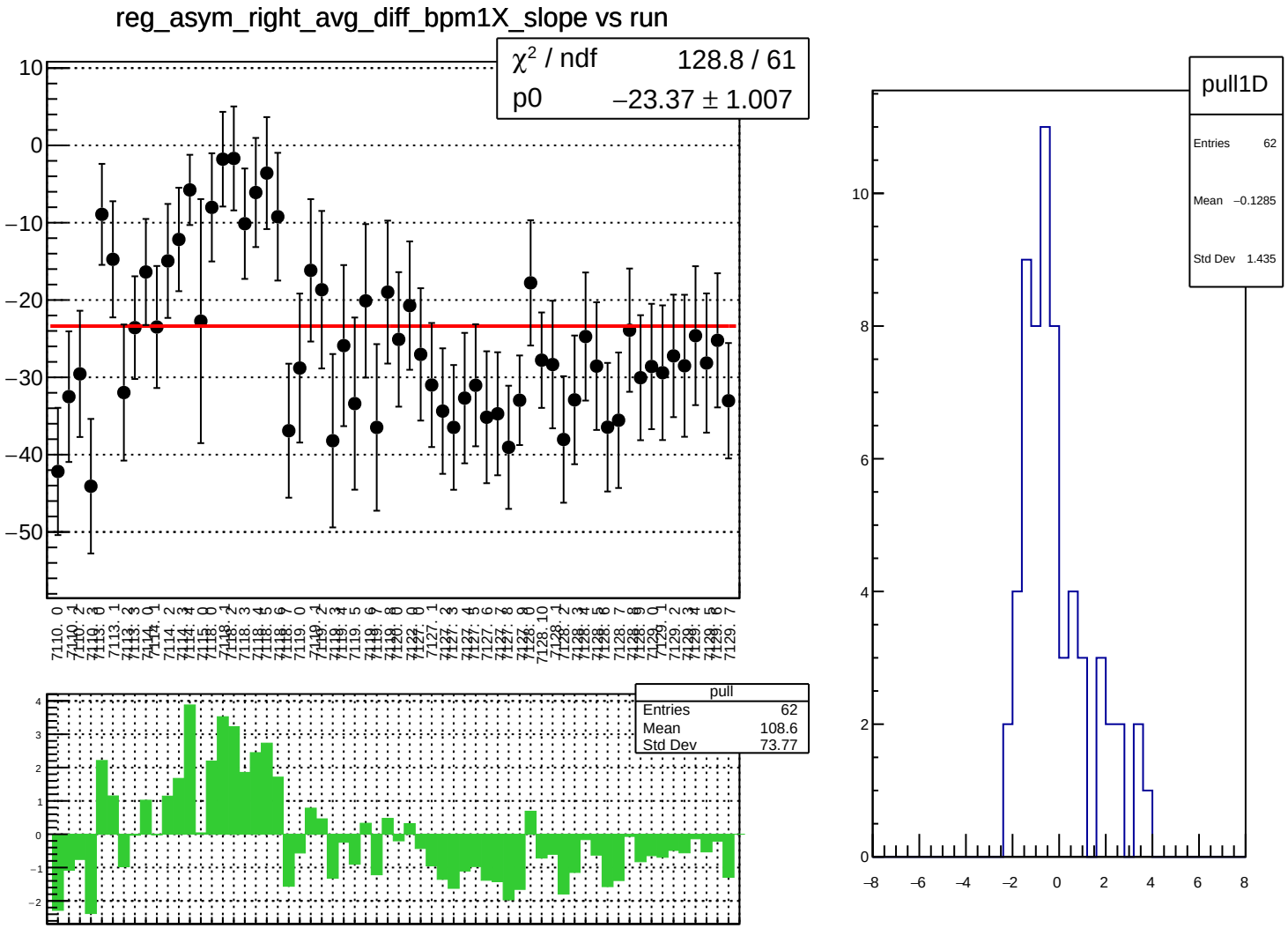

pull1D
Entries 62
Mean −0.02256
Std Dev 0.6911

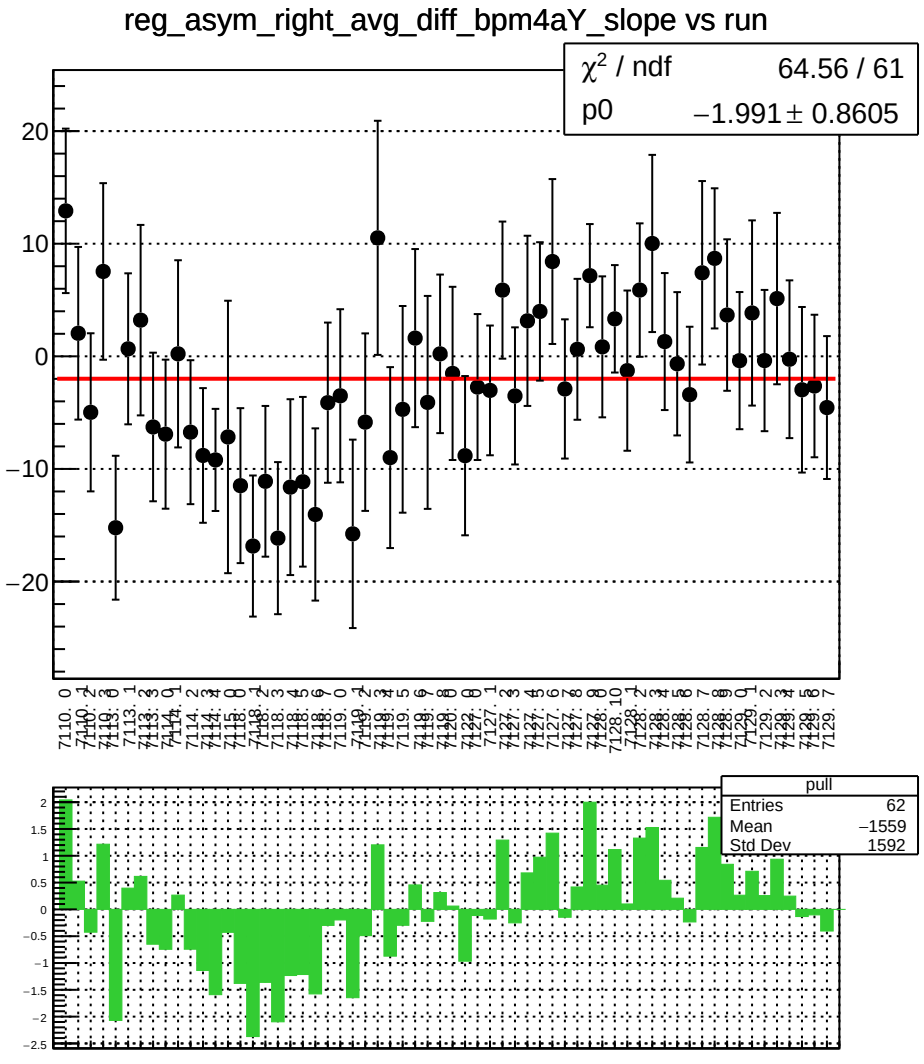

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.99 / 61
p0 10.19 ± 0.911
pull
Entries 62
Mean −13.5
Std Dev 59.41

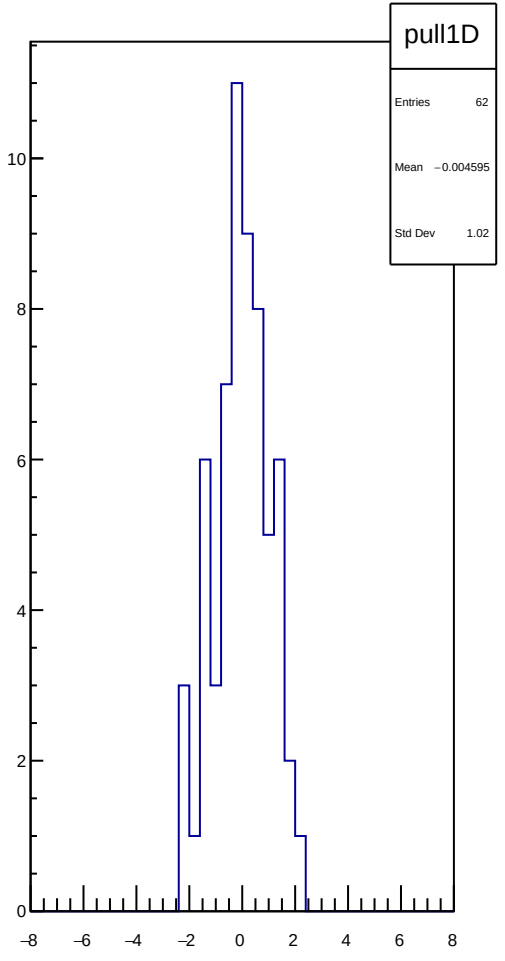

pull1D
Entries 62
Mean 0.02261
Std Dev 0.6085

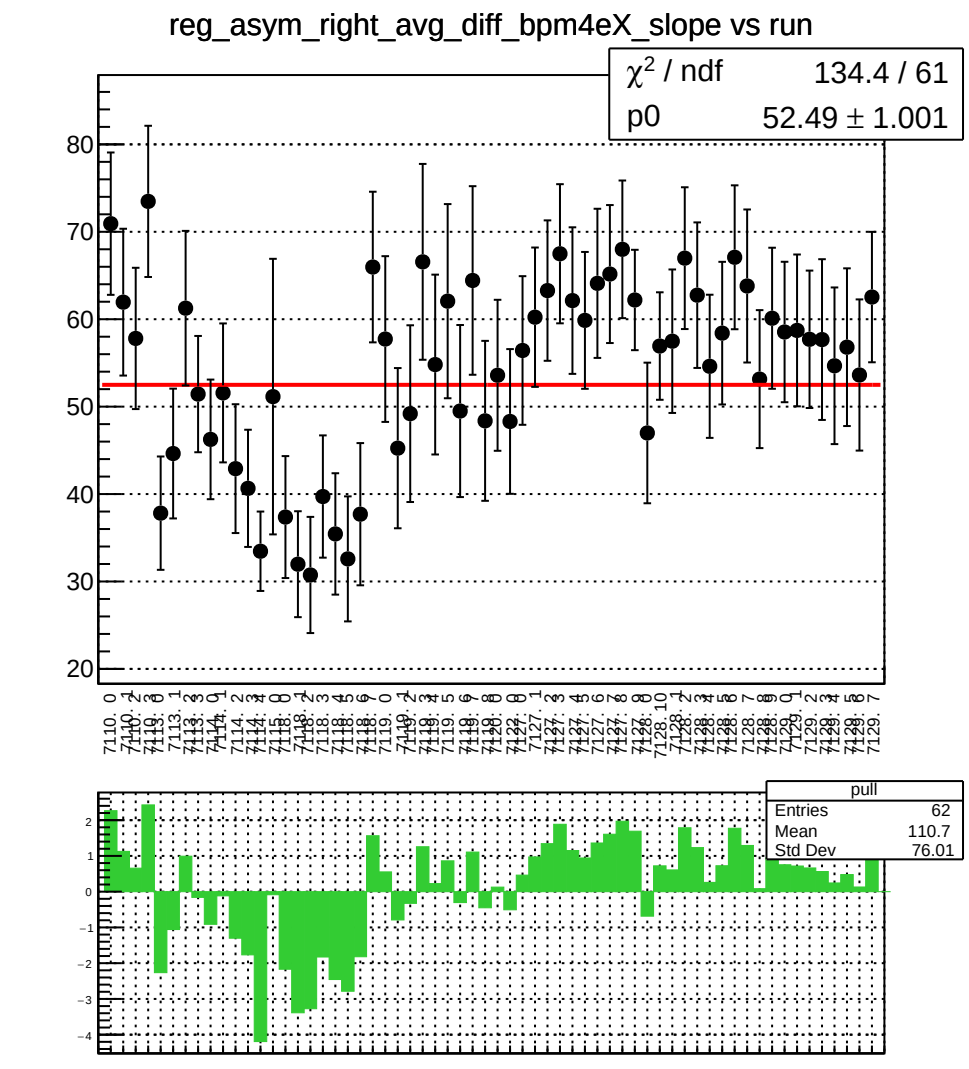

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 122.8 / 61
p0 −19.49 ± 0.04158
pull
Entries 62
Mean −254.5
Std Dev 283.8

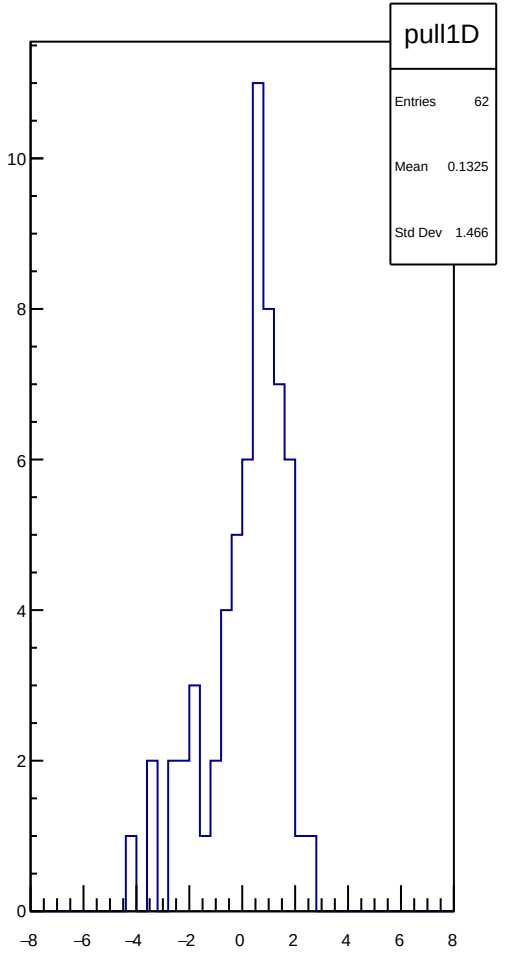

pull1D
Entries 62
Mean −0.05911
Std Dev 1.406

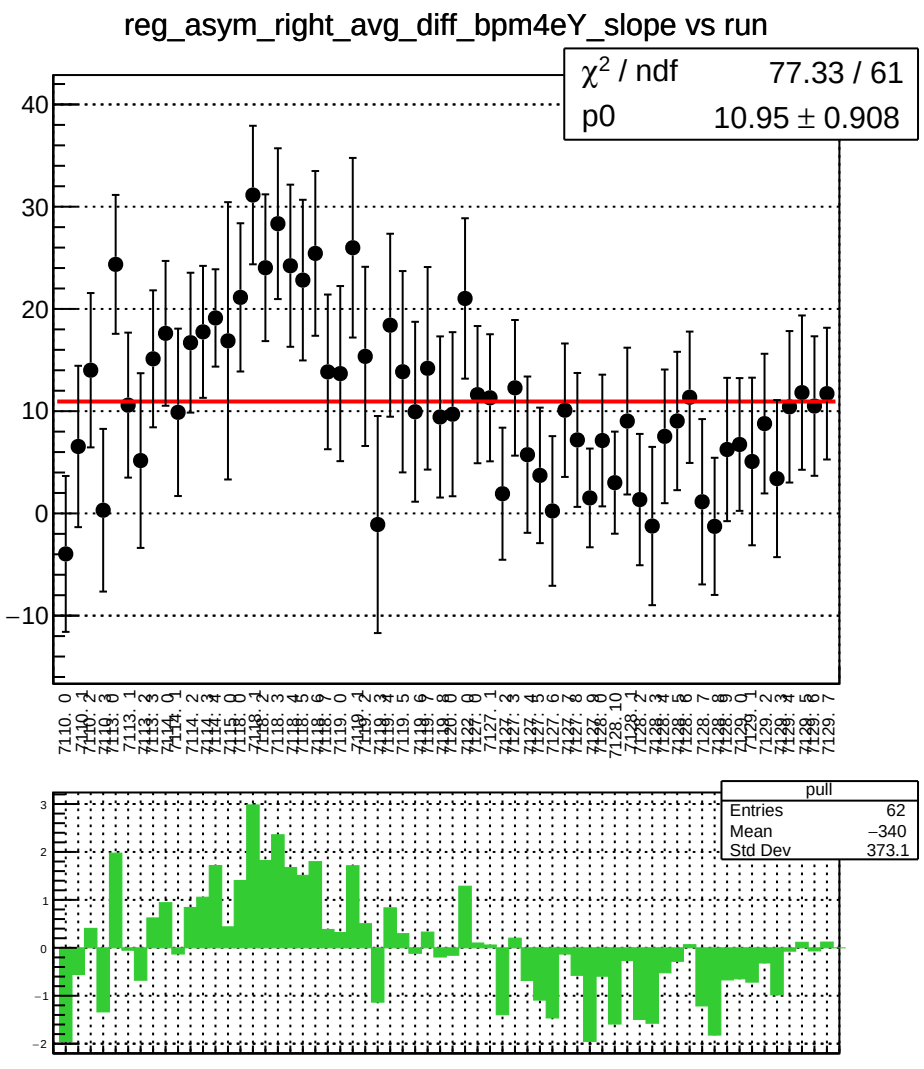

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 128.8 / 61
p0 −23.37 ± 1.007
pull
Entries 62
Mean 108.6
Std Dev 73.77
pull1D
Entries 62
Mean −0.1285
Std Dev 1.435

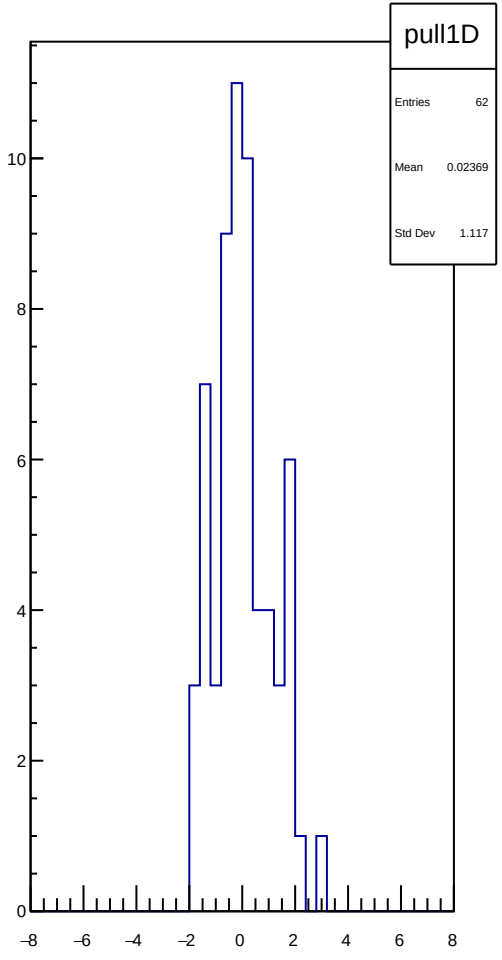

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.56 / 61
p0 −1.991 ± 0.8605
pull
Entries 62
Mean −1559
Std Dev 1592

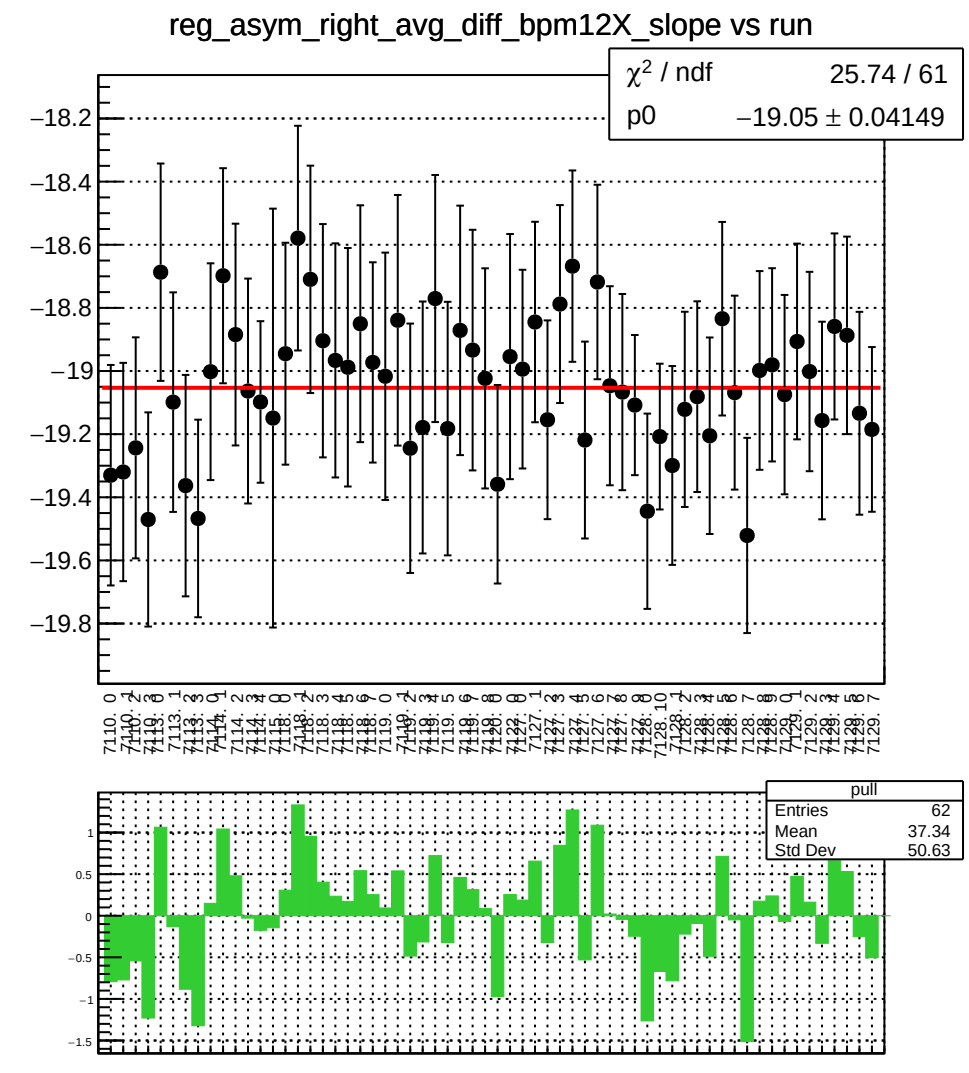

pull1D
Entries 62
Mean −0.004595
Std Dev 1.02

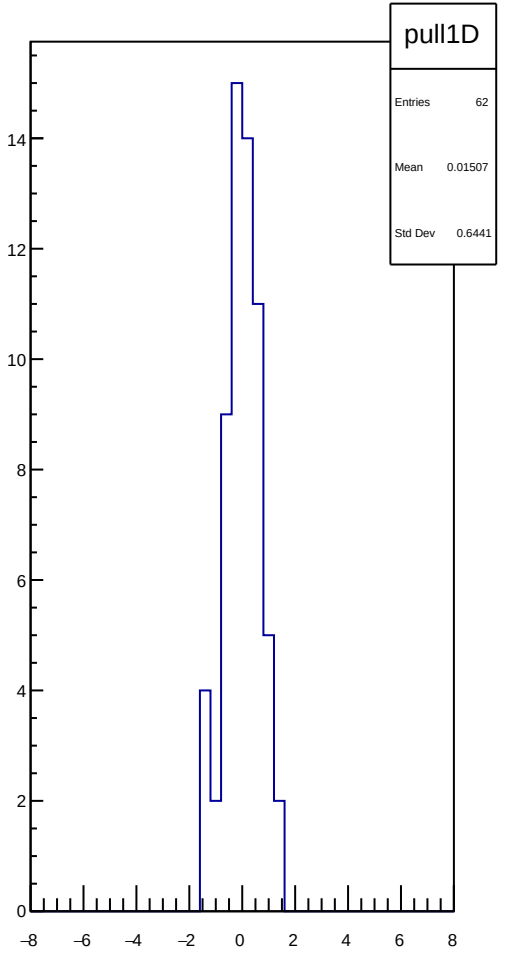

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 134.4 / 61
p0 52.49 ± 1.001
pull
Entries 62
Mean 110.7
Std Dev 76.01

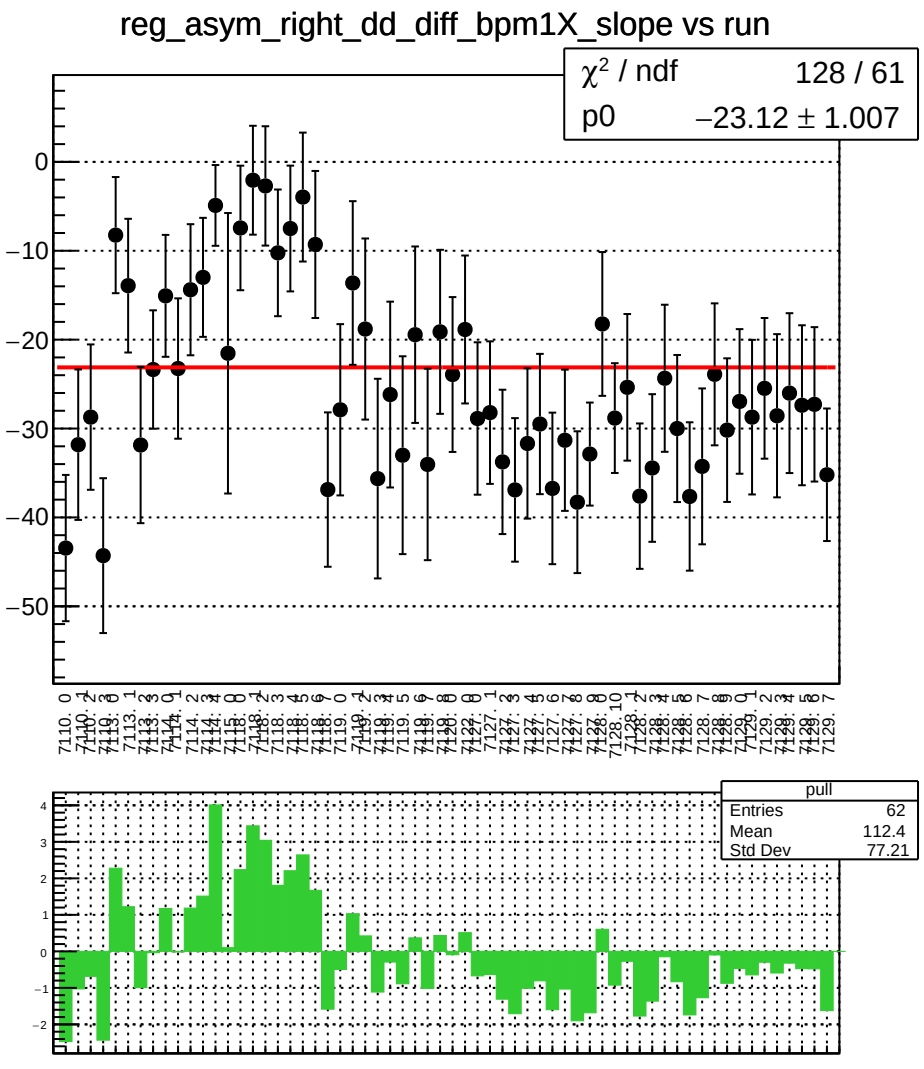

pull1D
Entries 62
Mean 0.1325
Std Dev 1.466

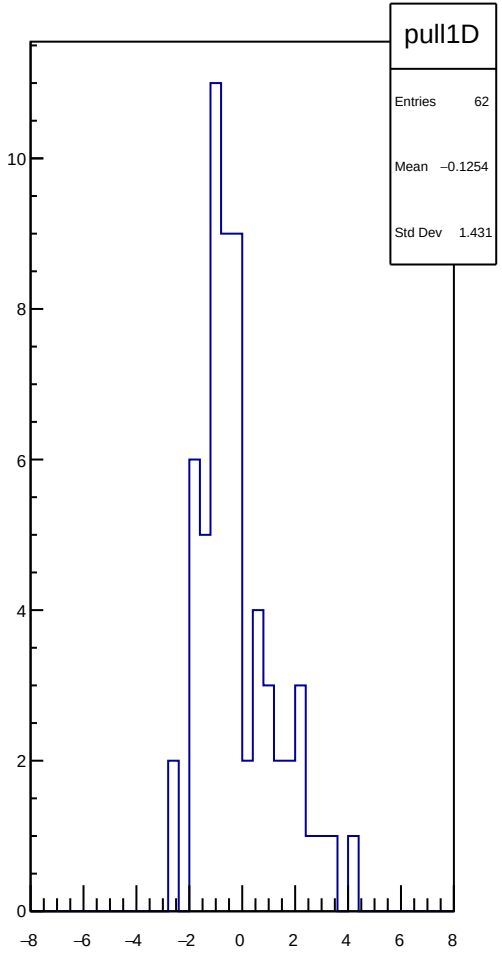

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 77.33 / 61
p0 10.95 ± 0.908
pull
Entries 62
Mean −340
Std Dev 373.1

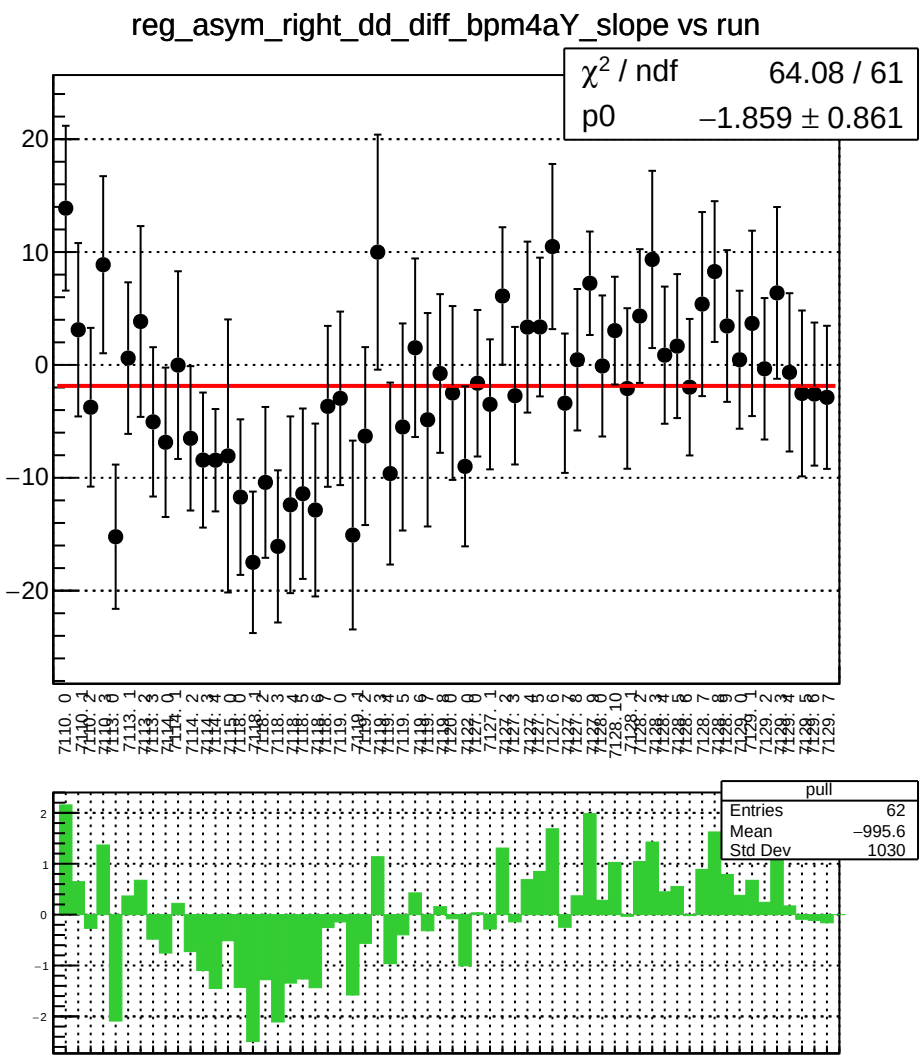

pull1D
Entries 62
Mean 0.02369
Std Dev 1.117

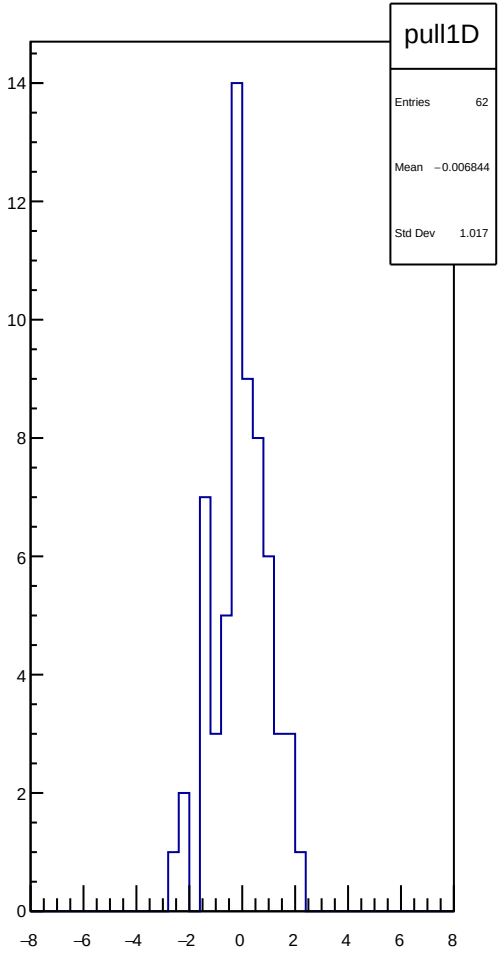

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 25.74 / 61
p0 −19.05 ± 0.04149
pull
Entries 62
Mean 37.34
Std Dev 50.63

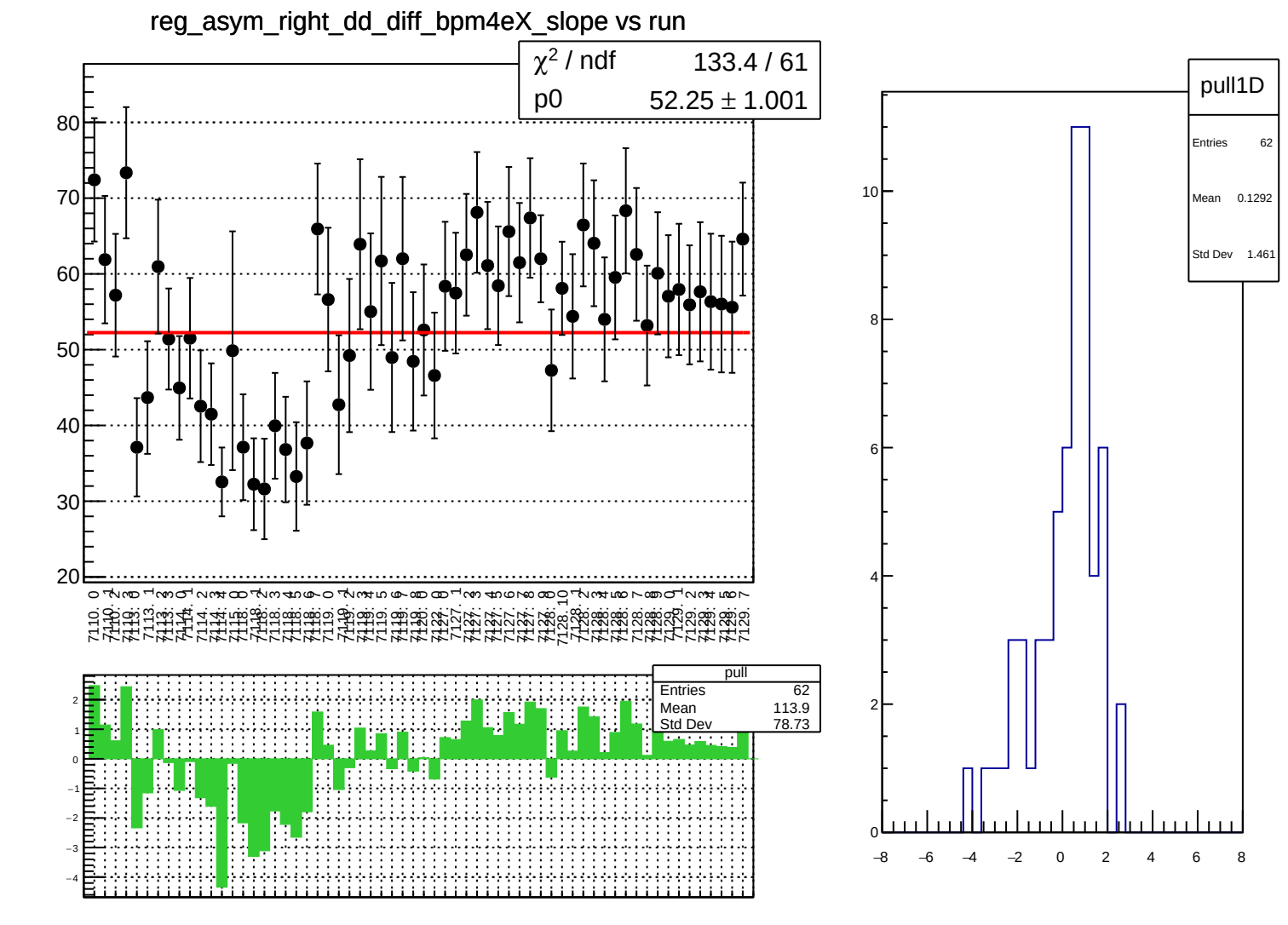

pull1D
Entries 62
Mean 0.01507
Std Dev 0.6441

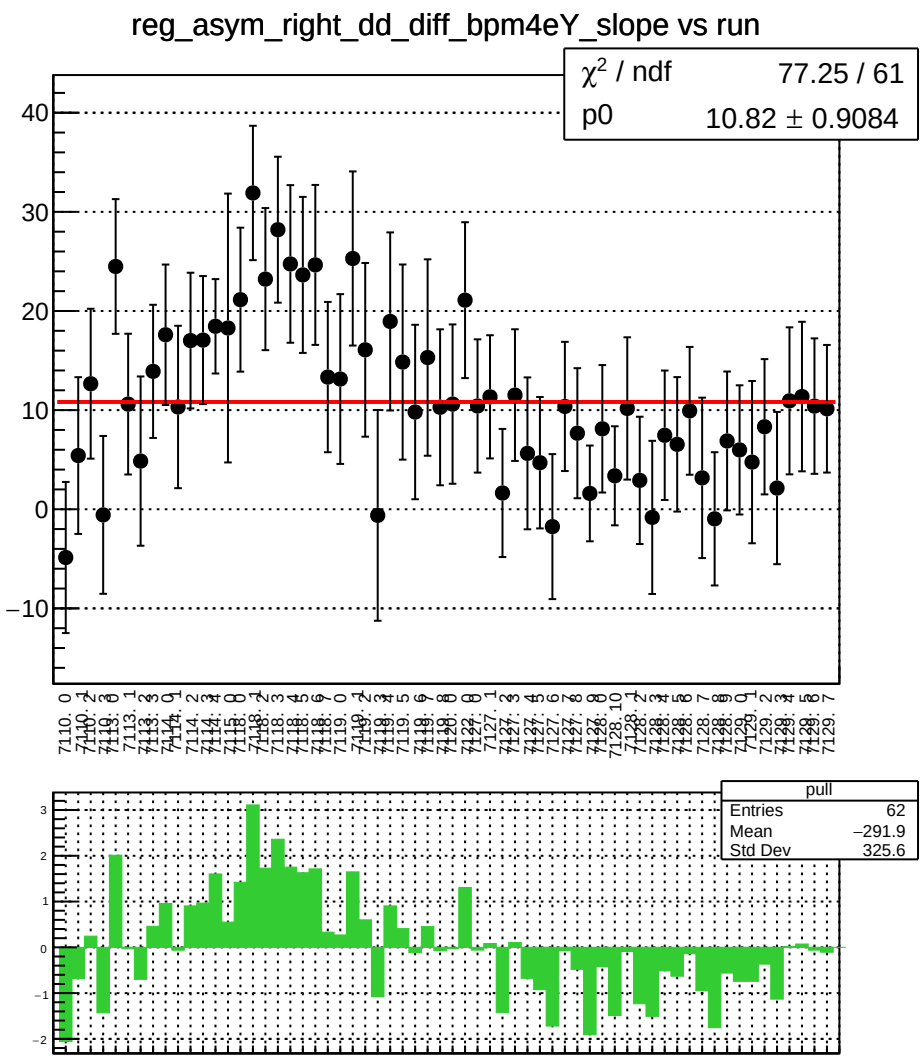

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 128 / 61
p0 −23.12 ± 1.007
pull
Entries 62
Mean 112.4
Std Dev 77.21

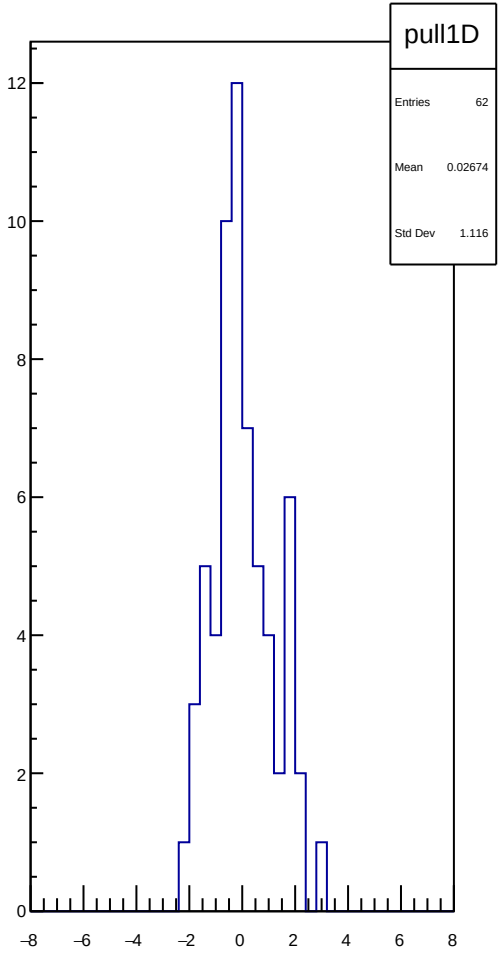

pull1D
Entries 62
Mean −0.1254
Std Dev 1.431

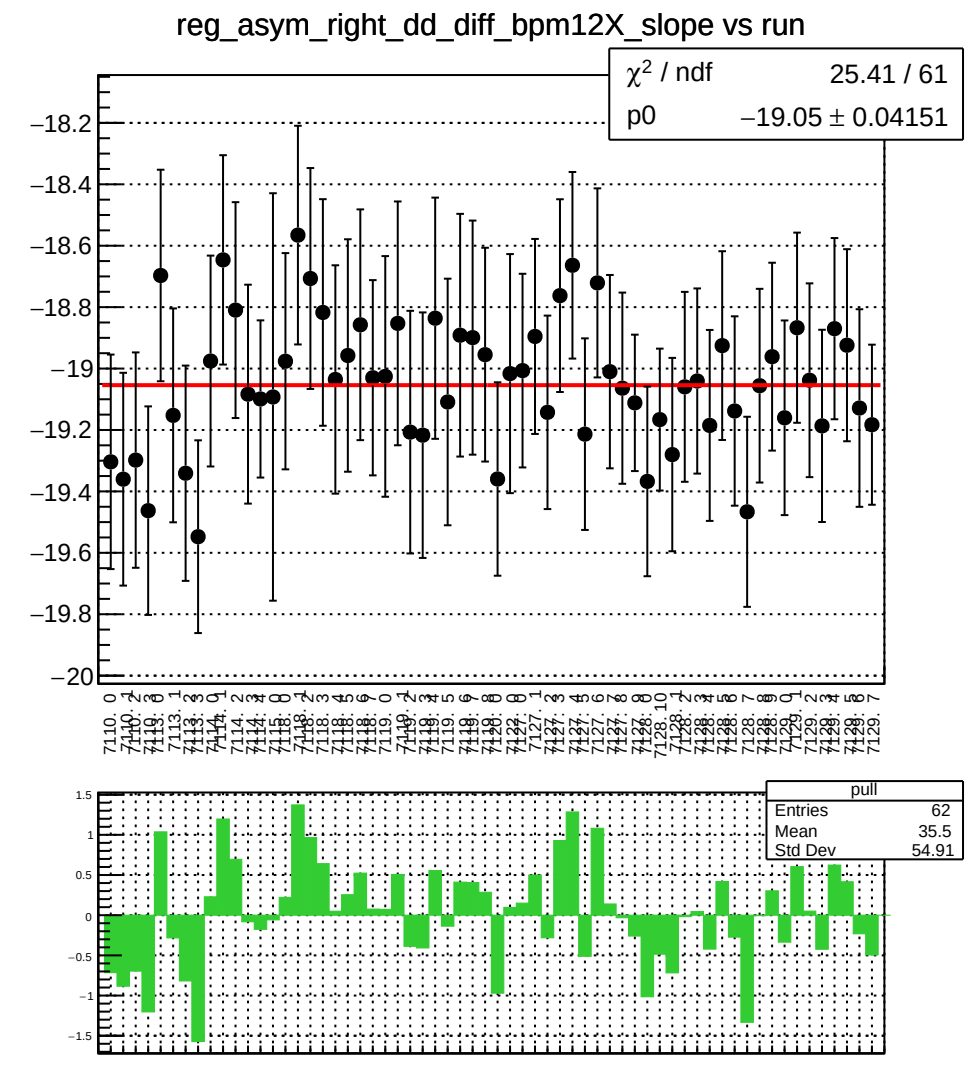

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.08 / 61
p0 −1.859 ± 0.861
pull
Entries 62
Mean −995.6
Std Dev 1030

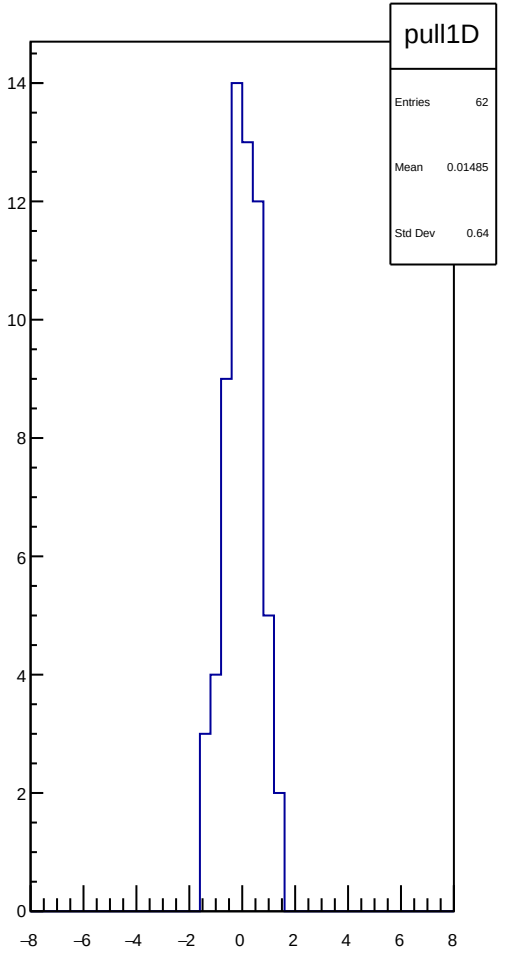

pull1D
Entries 62
Mean −0.006844
Std Dev 1.017

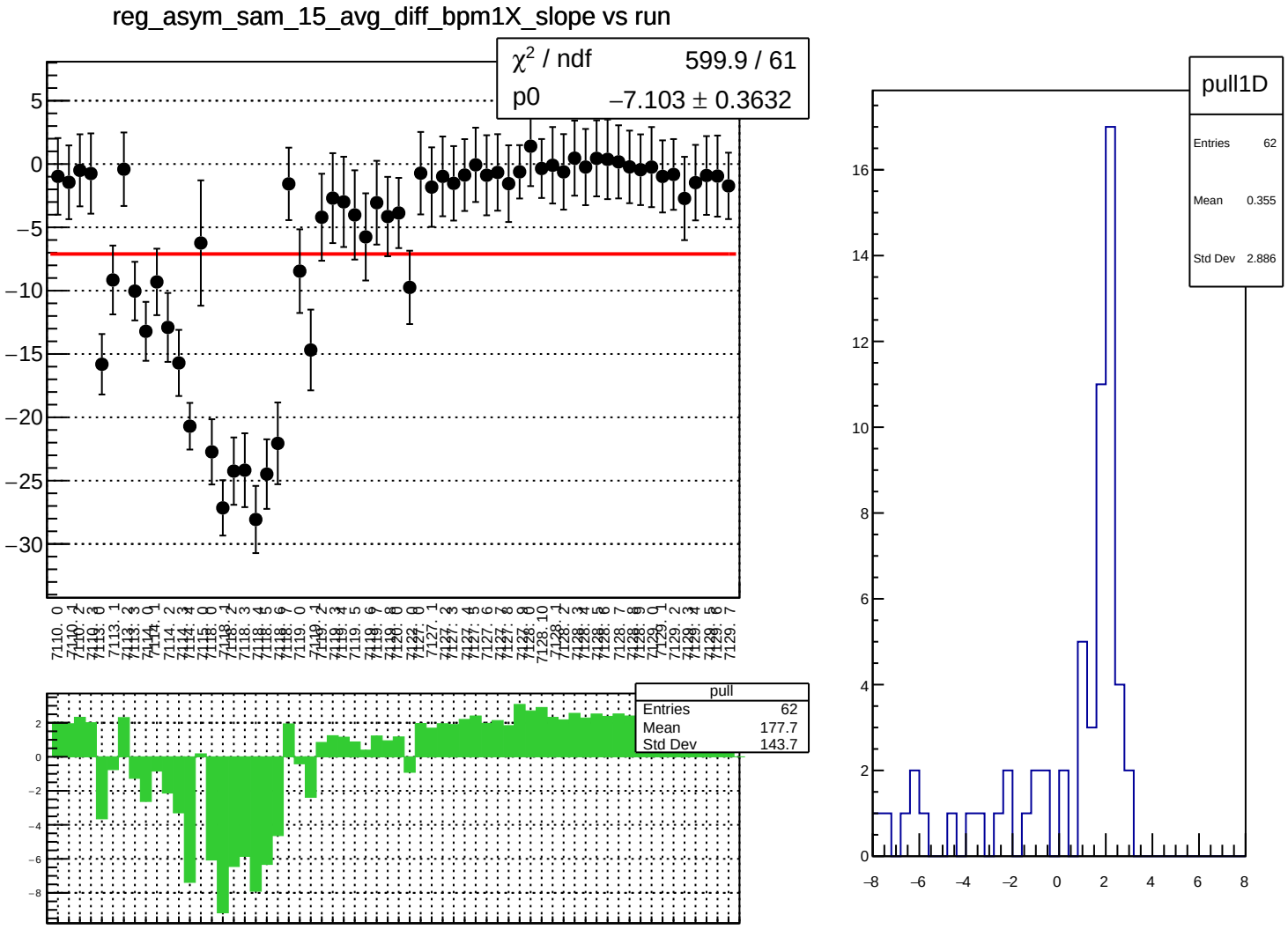

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 133.4 / 61
p0 52.25 ± 1.001
pull
Entries 62
Mean 113.9
Std Dev 78.73
pull1D
Entries 62
Mean 0.1292
Std Dev 1.461

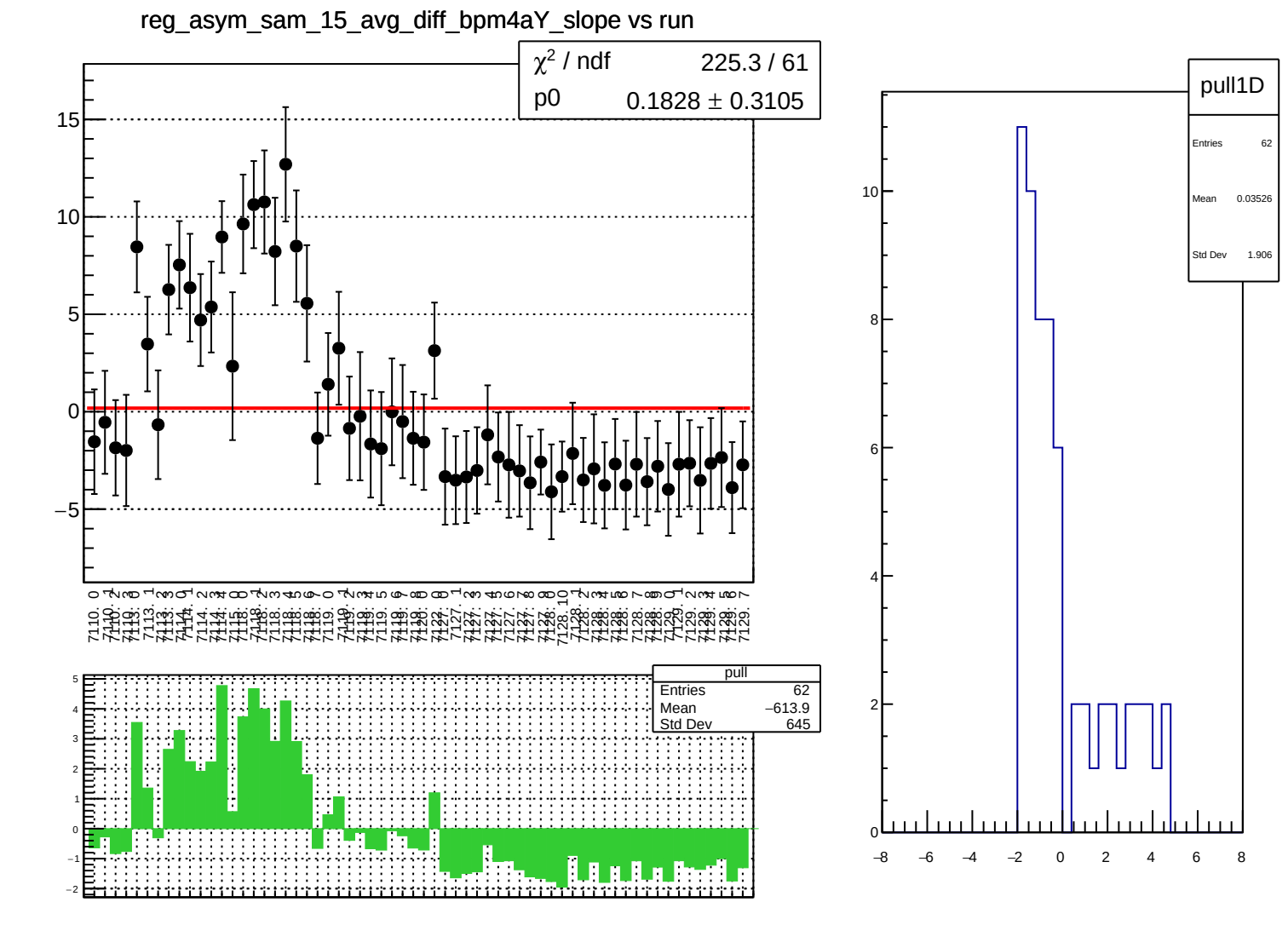

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.25 / 61
p0 10.82 ± 0.9084
pull
Entries 62
Mean −291.9
Std Dev 325.6

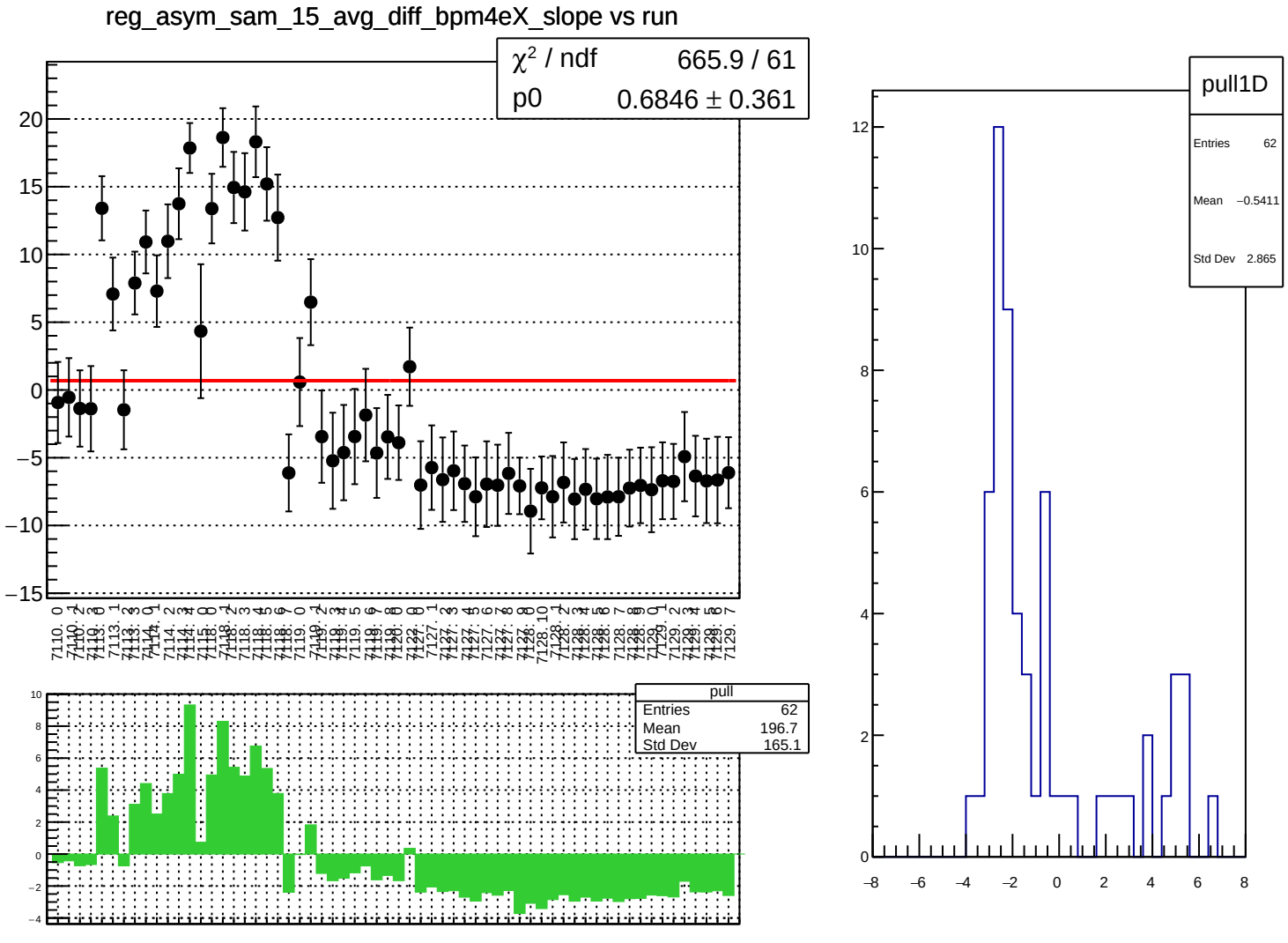

pull1D
Entries 62
Mean 0.02674
Std Dev 1.116

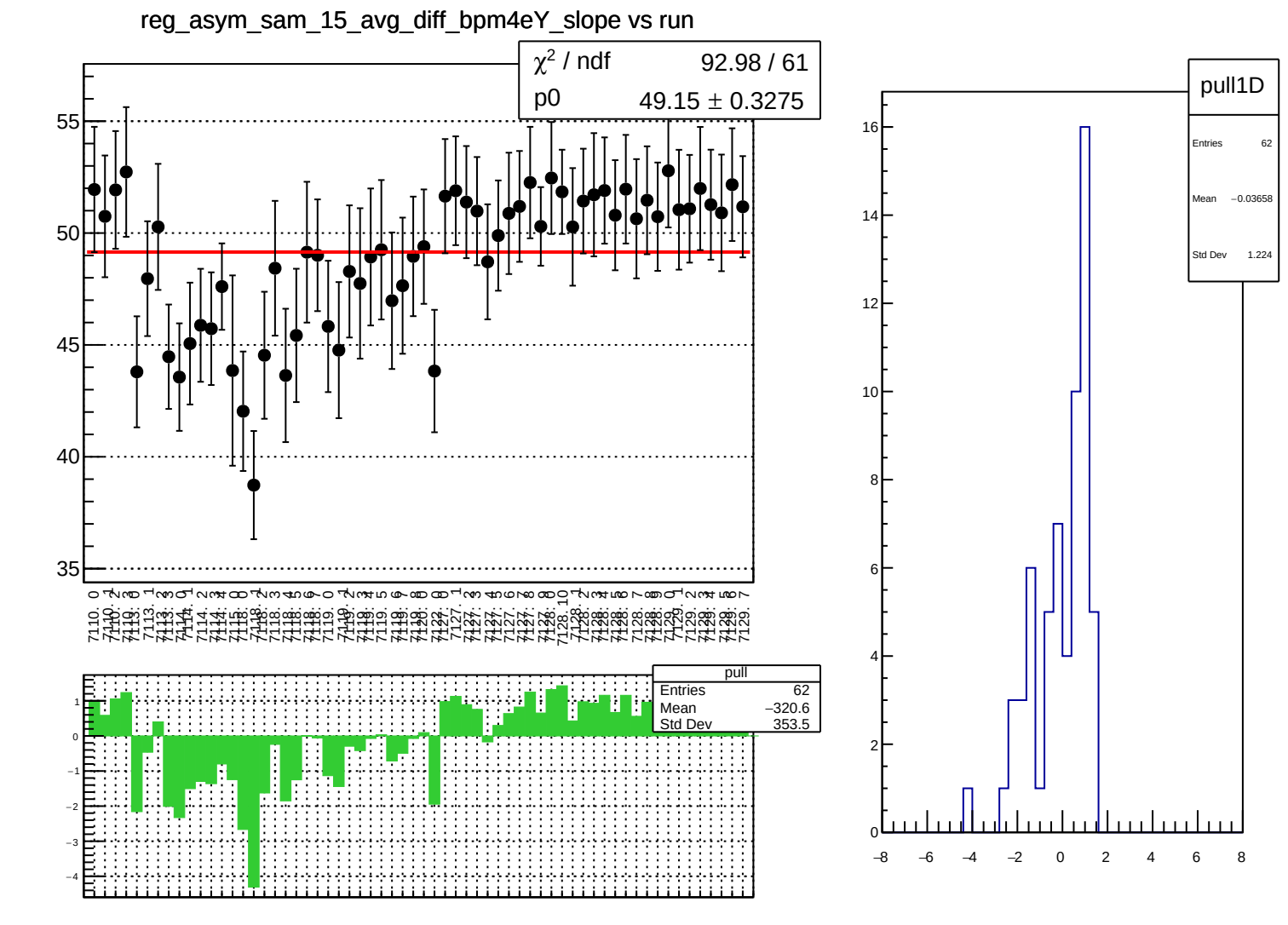

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 25.41 / 61
p0 −19.05 ± 0.04151
pull
Entries 62
Mean 35.5
Std Dev 54.91

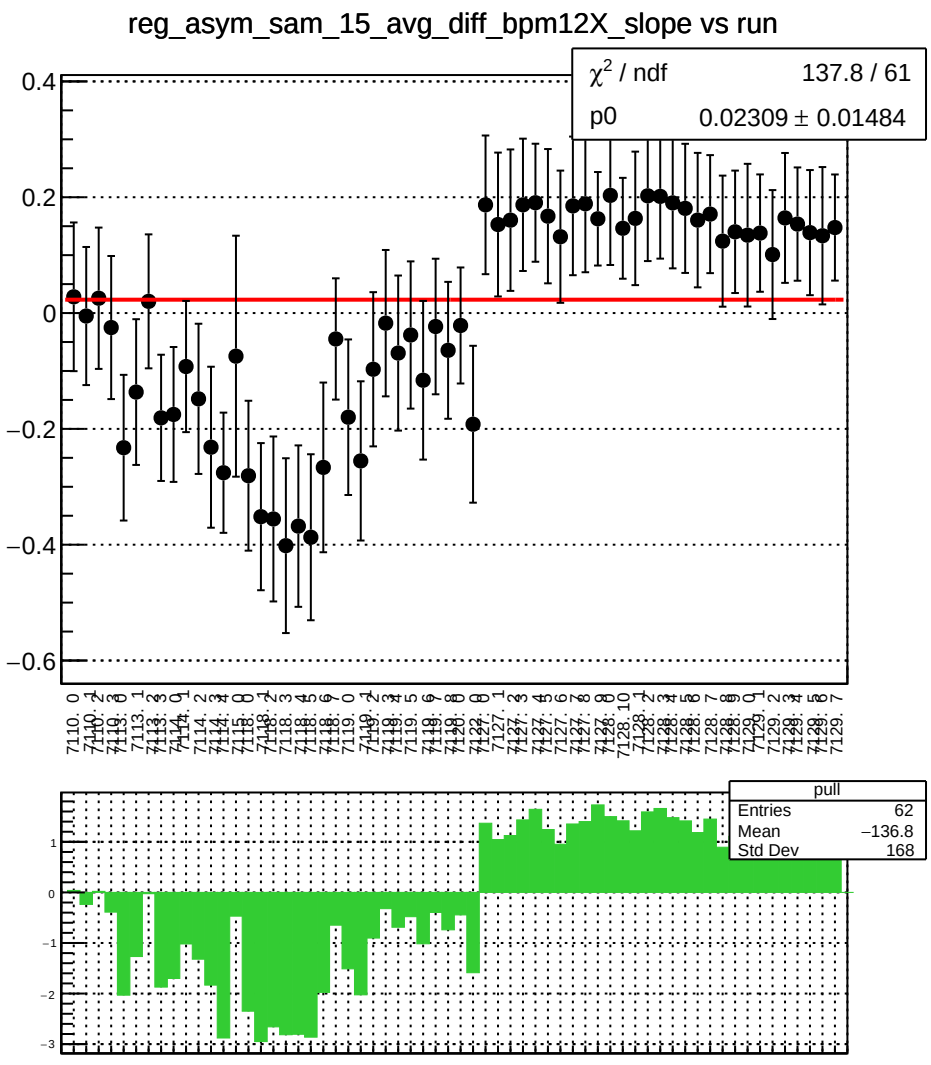

pull1D
Entries 62
Mean 0.01485
Std Dev 0.64

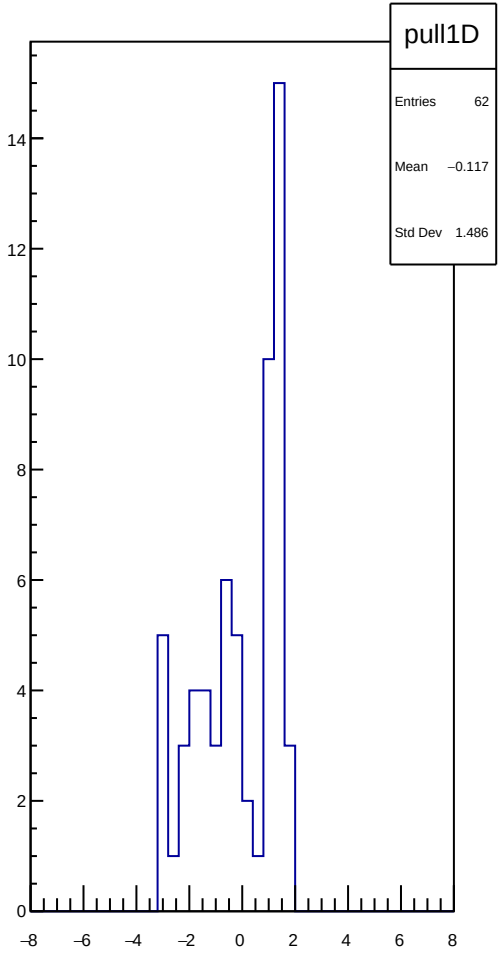

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 599.9 / 61
p0 −7.103 ± 0.3632
pull
Entries 62
Mean 177.7
Std Dev 143.7
pull1D
Entries 62
Mean 0.355
Std Dev 2.886

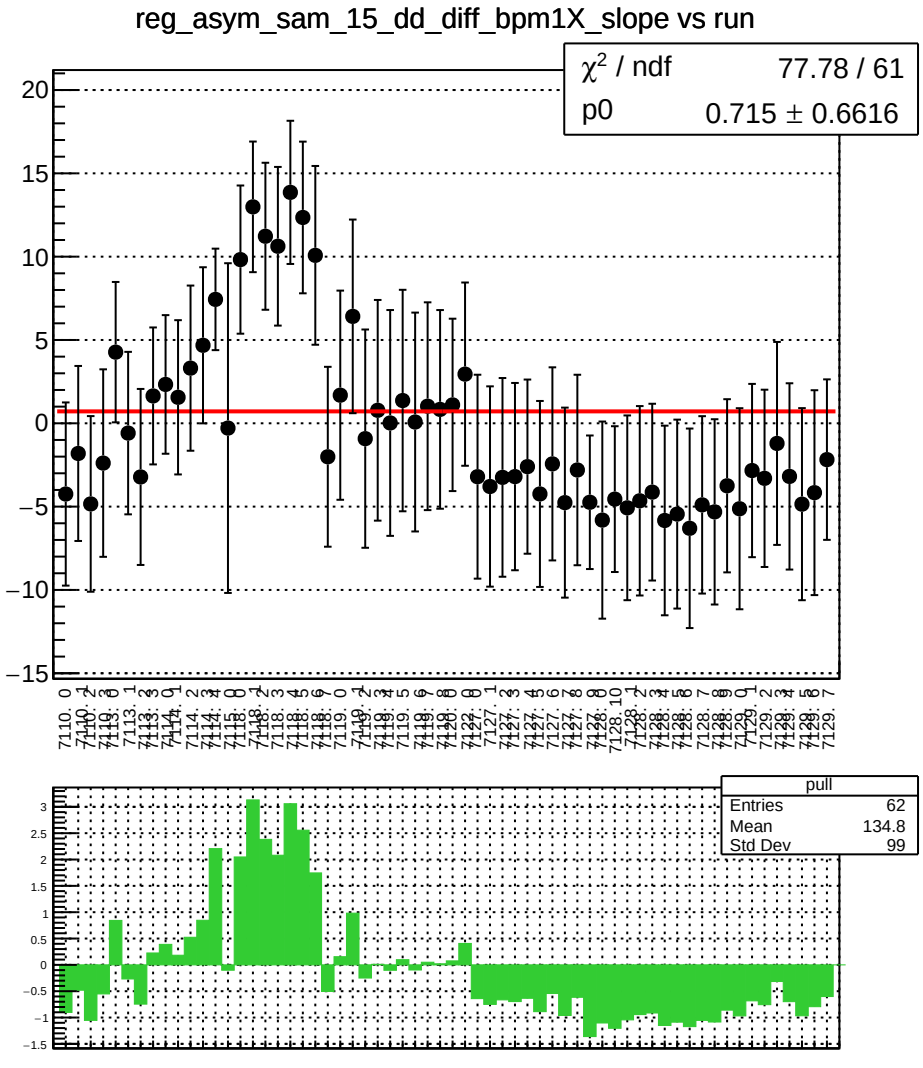

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 225.3 / 61
p0 0.1828 ± 0.3105
pull
Entries 62
Mean −613.9
Std Dev 645
pull1D
Entries 62
Mean 0.03526
Std Dev 1.906

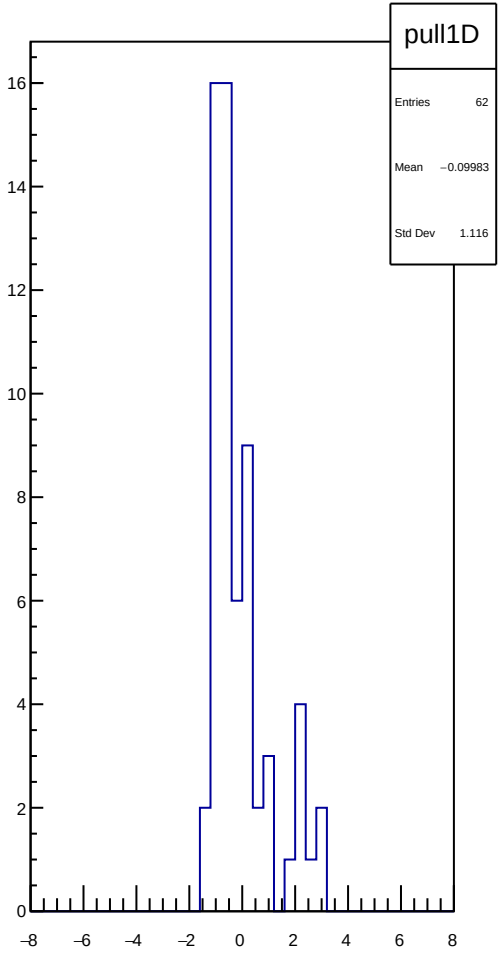

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 665.9 / 61
p0 0.6846 ± 0.361
pull
Entries 62
Mean 196.7
Std Dev 165.1
pull1D
Entries 62
Mean −0.5411
Std Dev 2.865

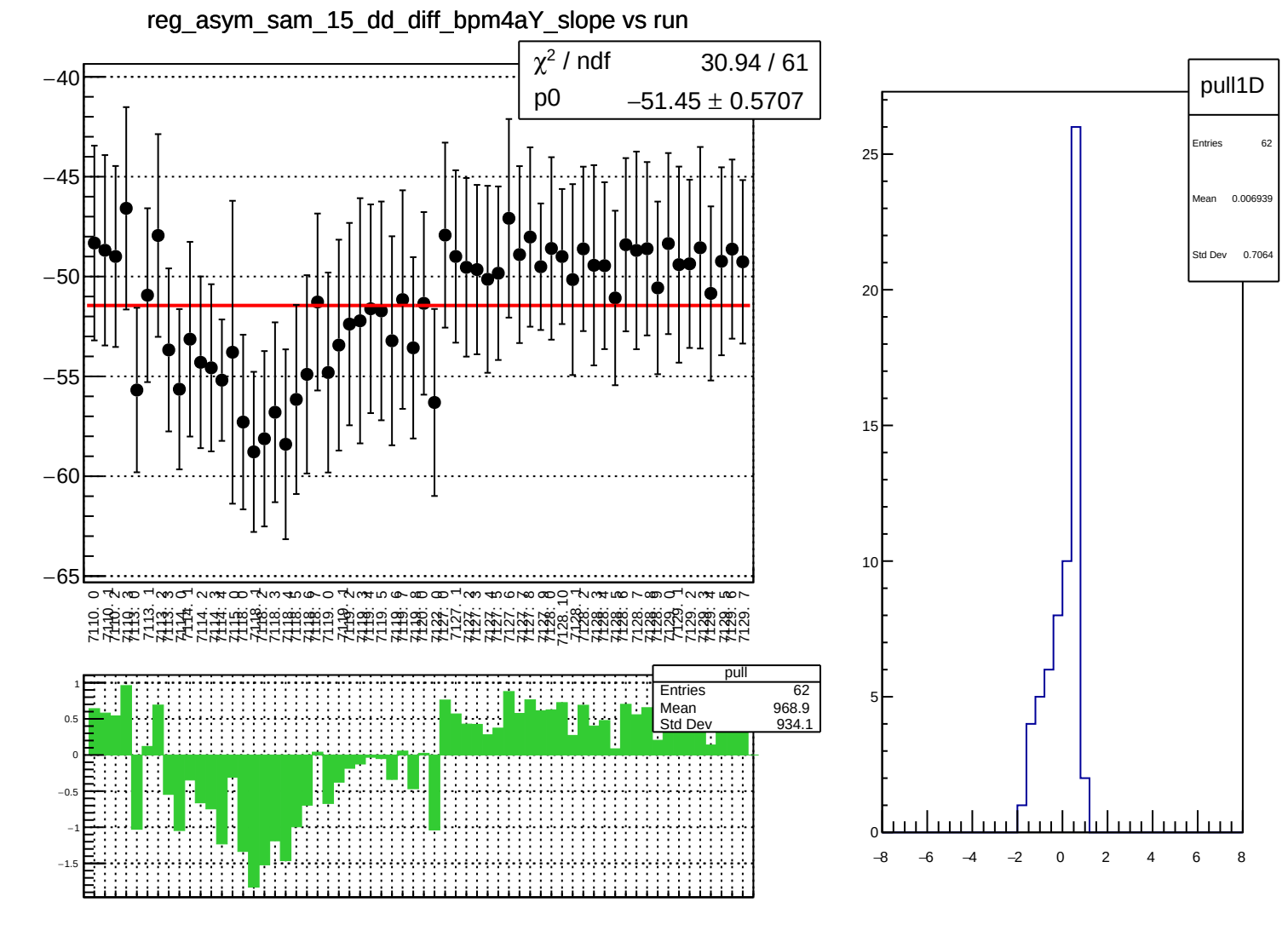

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 92.98 / 61
p0 49.15 ± 0.3275
pull
Entries 62
Mean −320.6
Std Dev 353.5
pull1D
Entries 62
Mean −0.03658
Std Dev 1.224

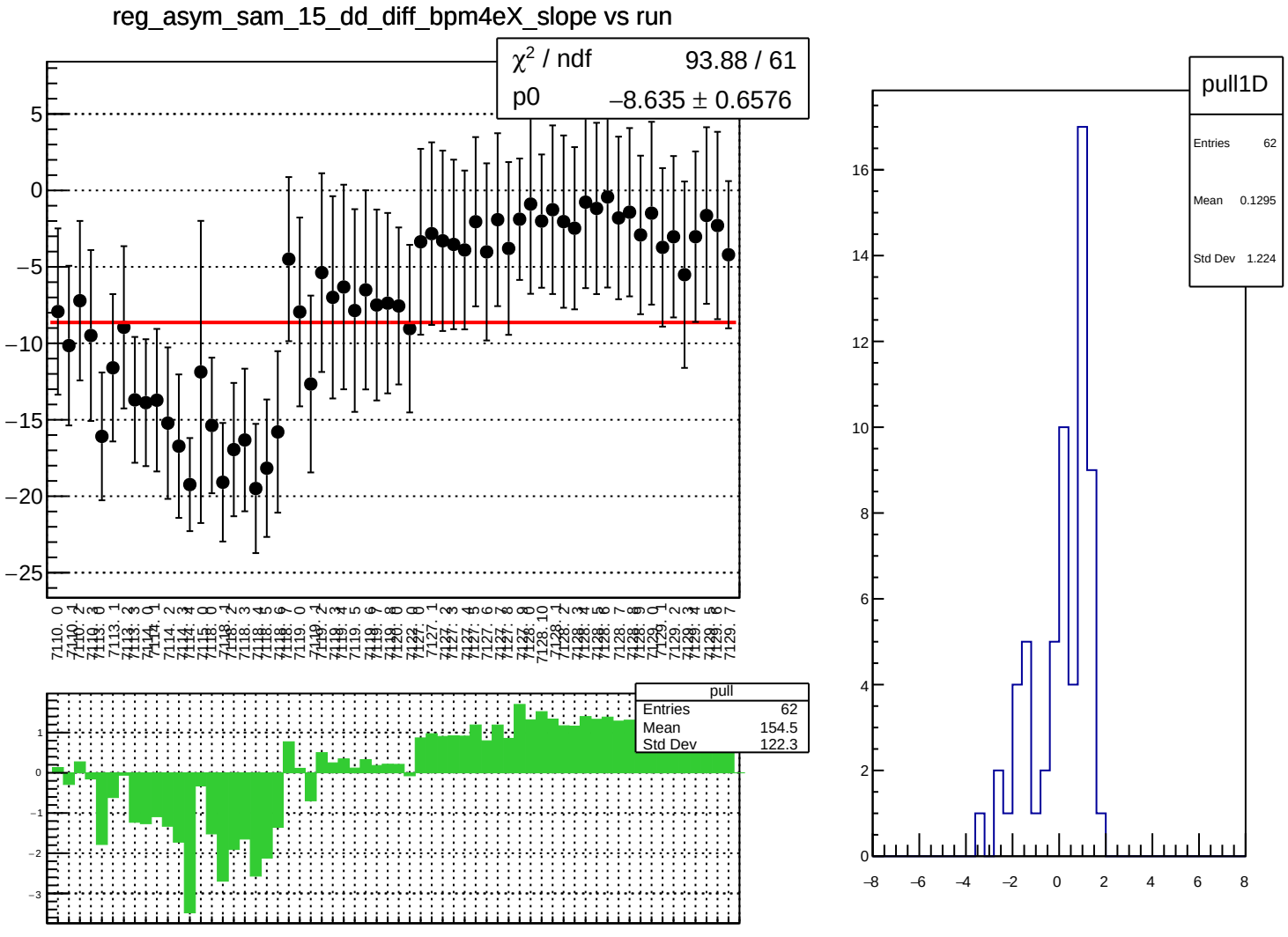

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 137.8 / 61
p0 0.02309 ± 0.01484
pull
Entries 62
Mean −136.8
Std Dev 168

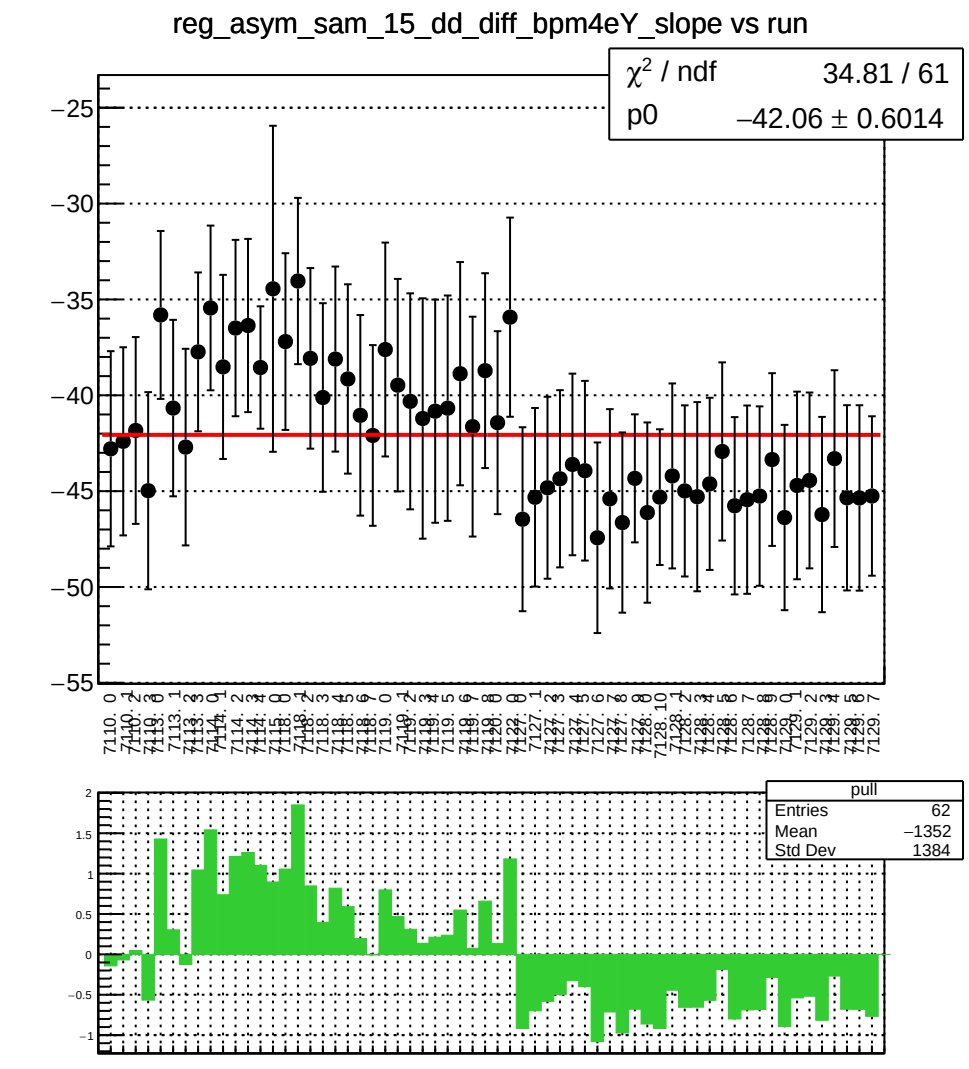

pull1D
Entries 62
Mean −0.117
Std Dev 1.486

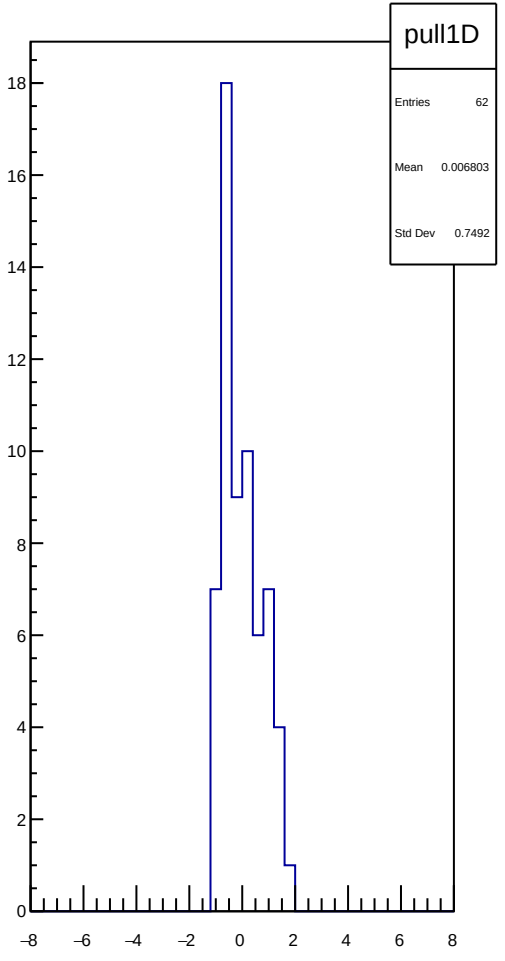

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 77.78 / 61
p0 0.715 ± 0.6616
pull
Entries 62
Mean 134.8
Std Dev 99

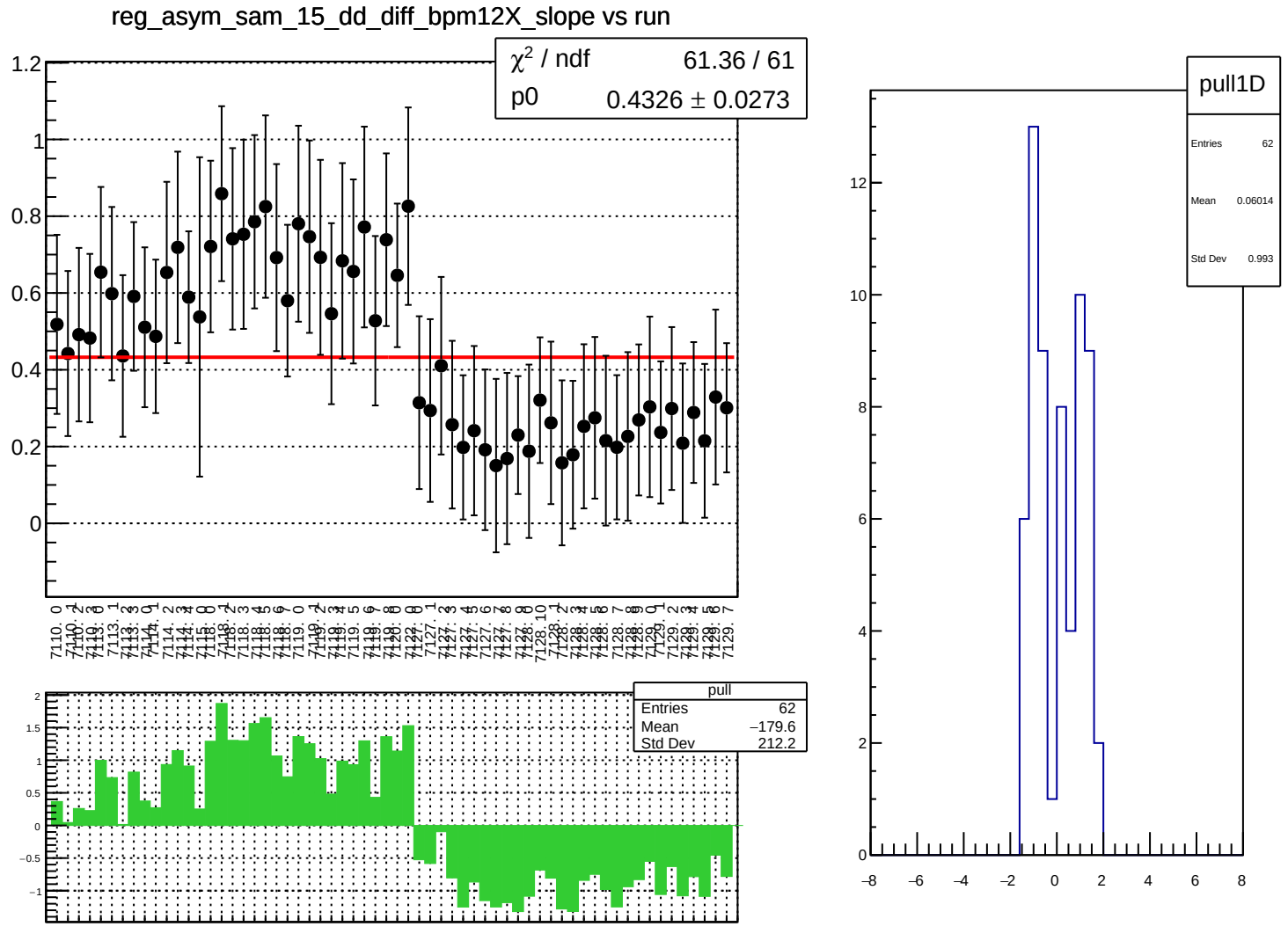

pull1D
Entries 62
Mean −0.09983
Std Dev 1.116

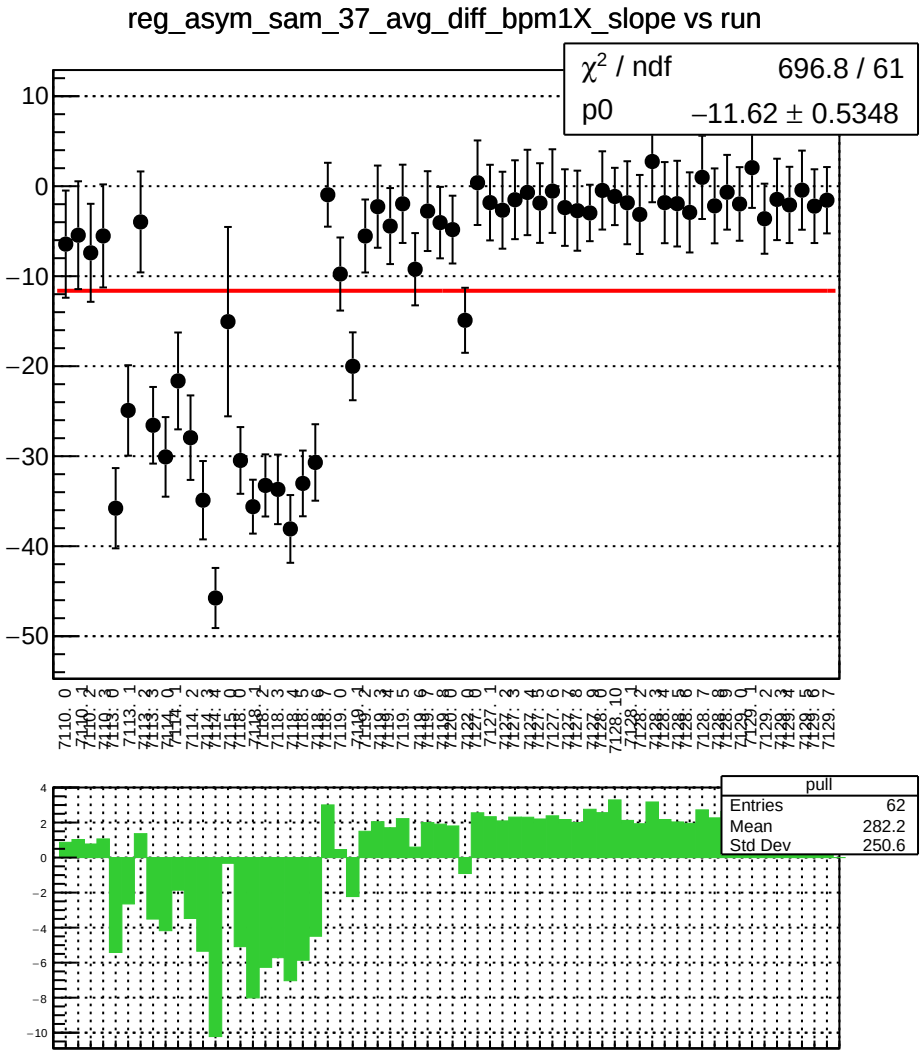

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.94 / 61
p0 −51.45 ± 0.5707
pull
Entries 62
Mean 968.9
Std Dev 934.1
pull1D
Entries 62
Mean 0.006939
Std Dev 0.7064

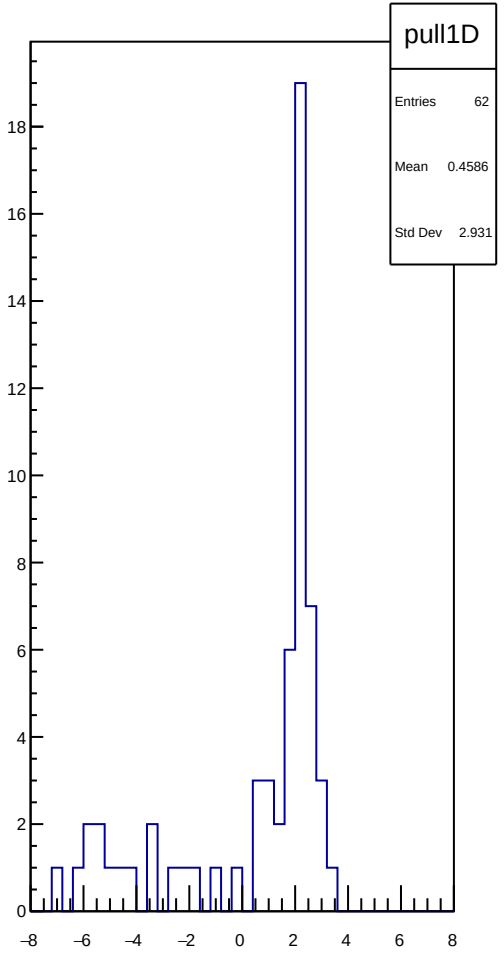

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.88 / 61
p0 −8.635 ± 0.6576
pull
Entries 62
Mean 154.5
Std Dev 122.3
pull1D
Entries 62
Mean 0.1295
Std Dev 1.224

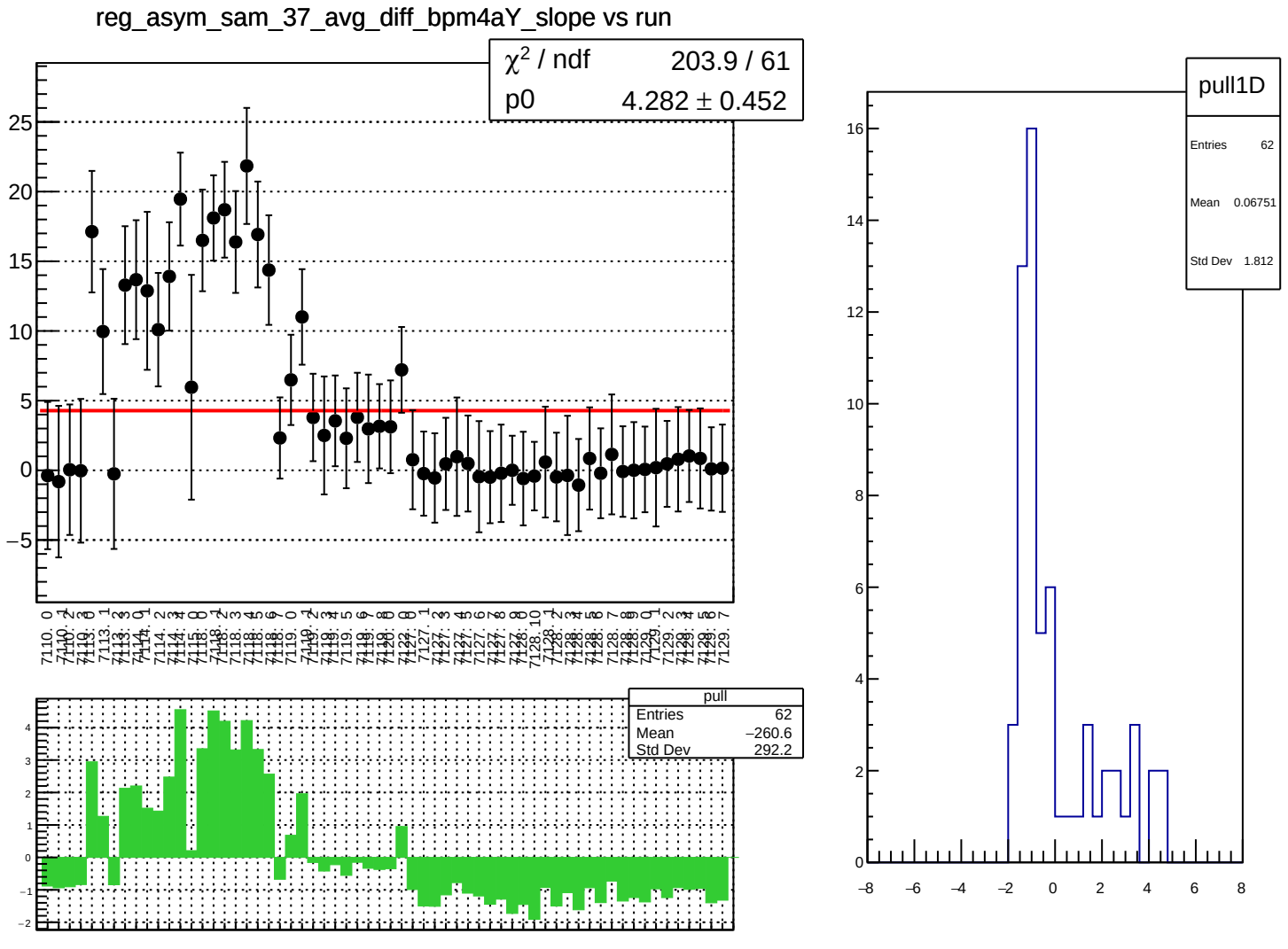

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.81 / 61
p0 −42.06 ± 0.6014
pull
Entries 62
Mean −1352
Std Dev 1384

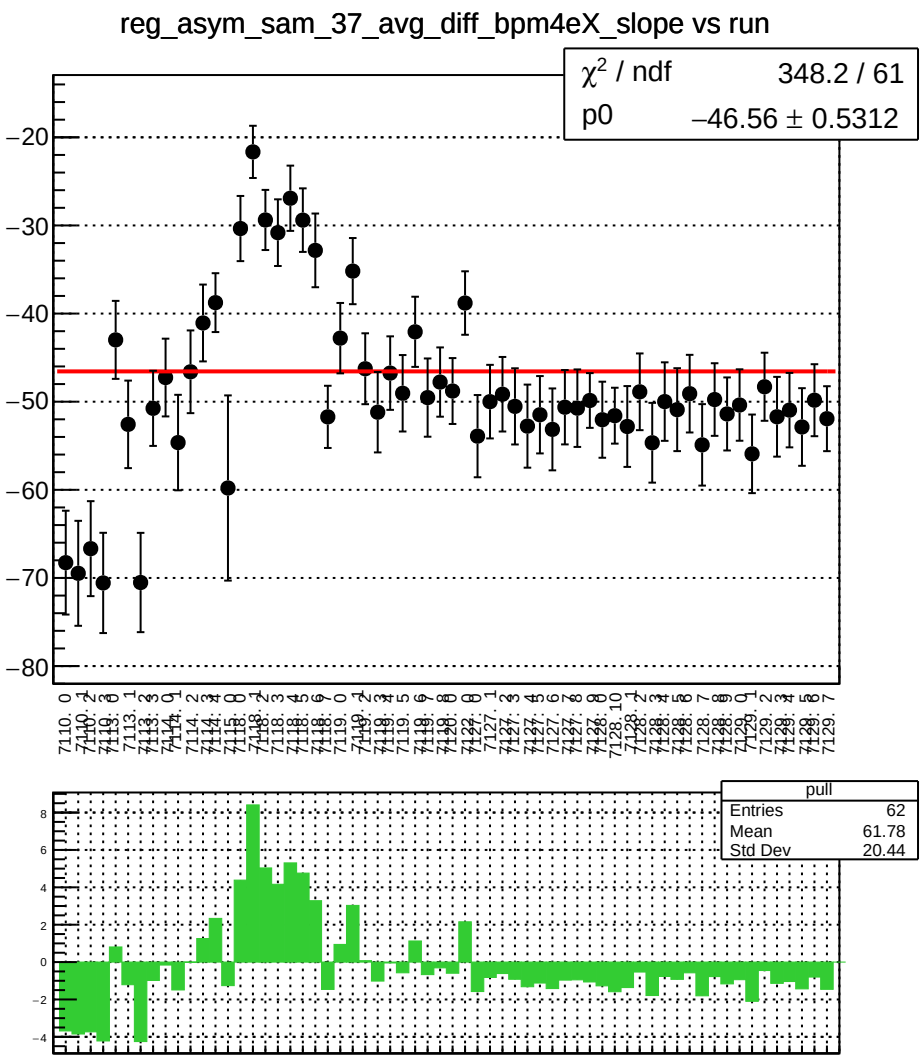

pull1D
Entries 62
Mean 0.006803
Std Dev 0.7492

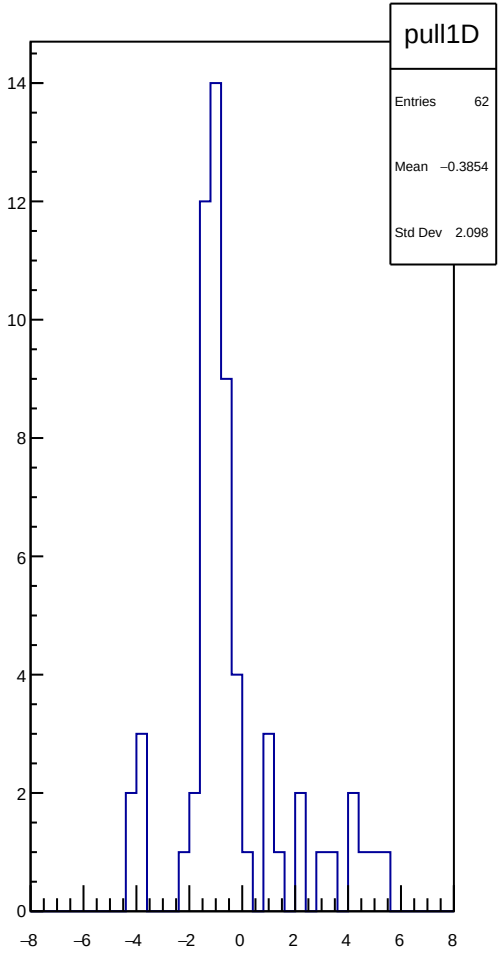

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 61.36 / 61
p0 0.4326 ± 0.0273
pull
Entries 62
Mean −179.6
Std Dev 212.2
pull1D
Entries 62
Mean 0.06014
Std Dev 0.993

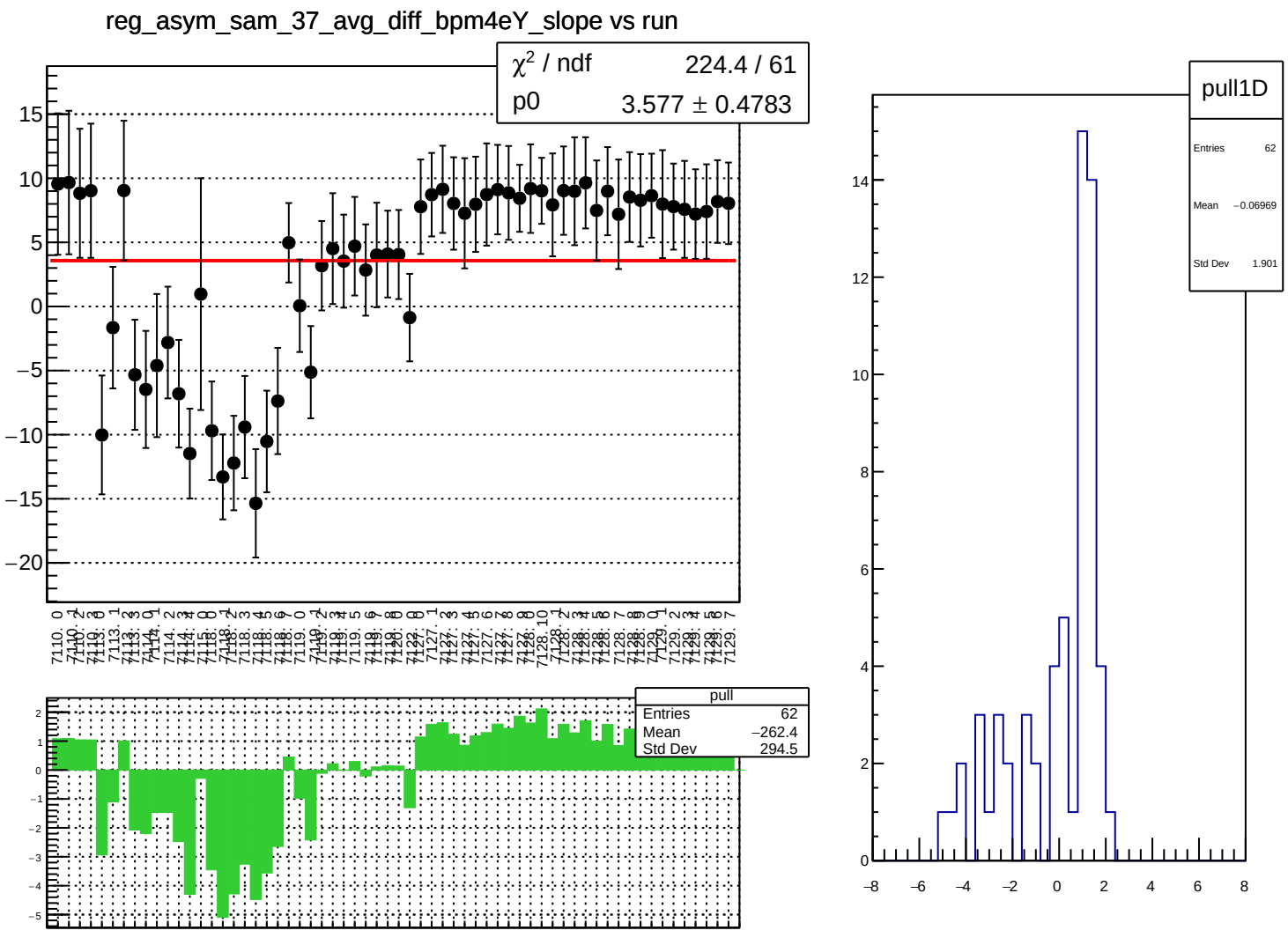

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 696.8 / 61
p0 −11.62 ± 0.5348
pull
Entries 62
Mean 282.2
Std Dev 250.6

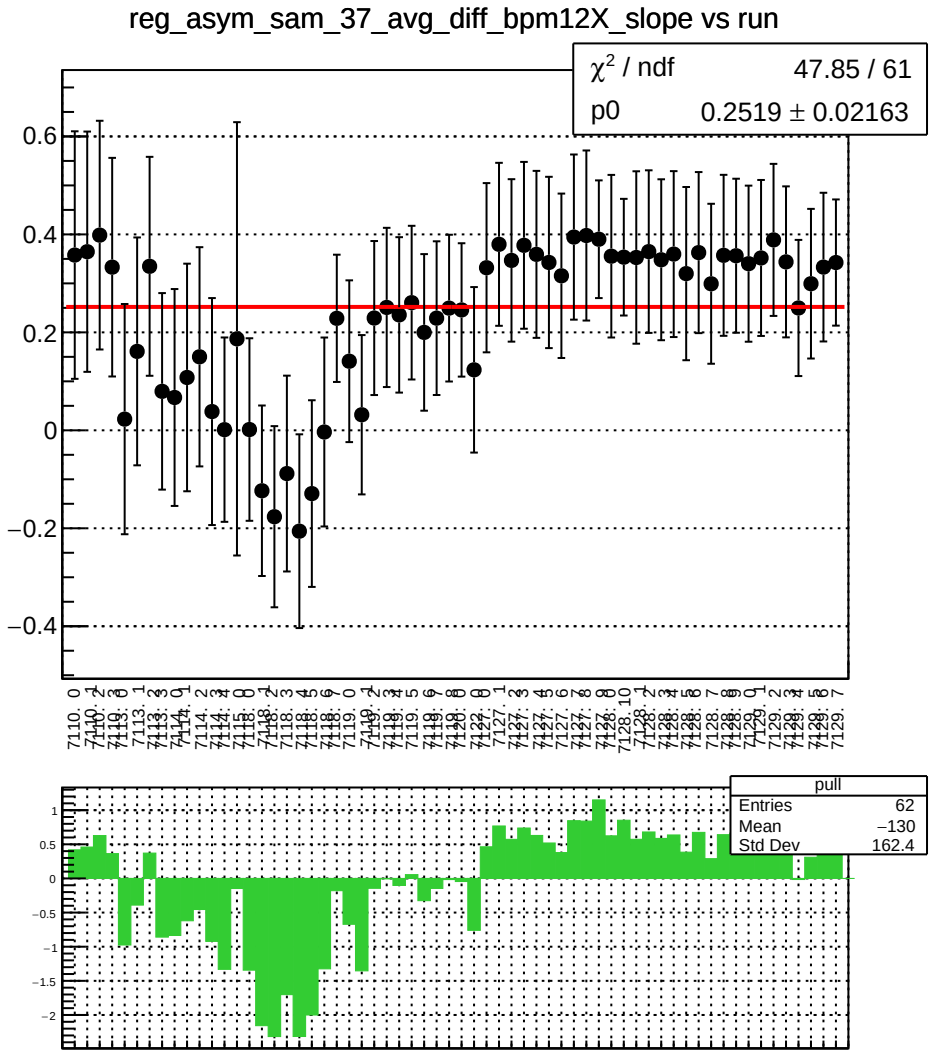

pull1D
Entries 62
Mean 0.4586
Std Dev 2.931

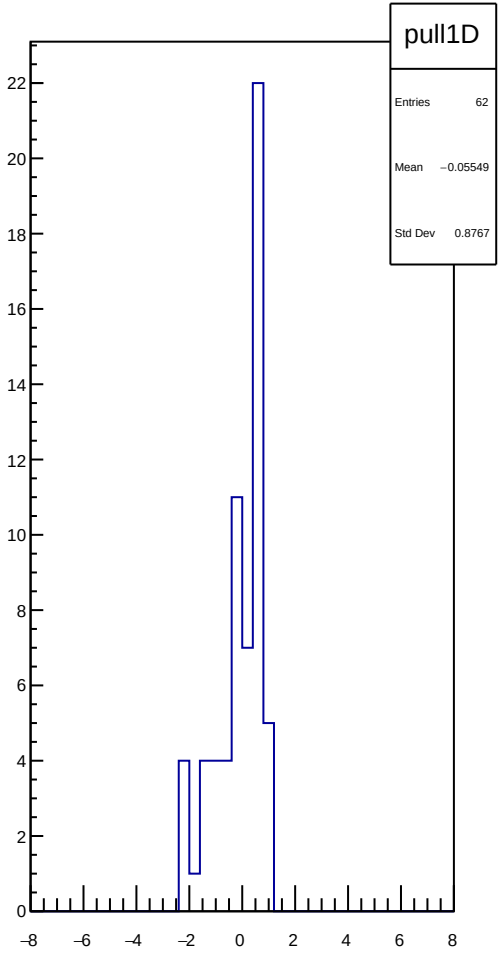

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 203.9 / 61
p0 4.282 ± 0.452
pull
Entries 62
Mean −260.6
Std Dev 292.2
pull1D
Entries 62
Mean 0.06751
Std Dev 1.812

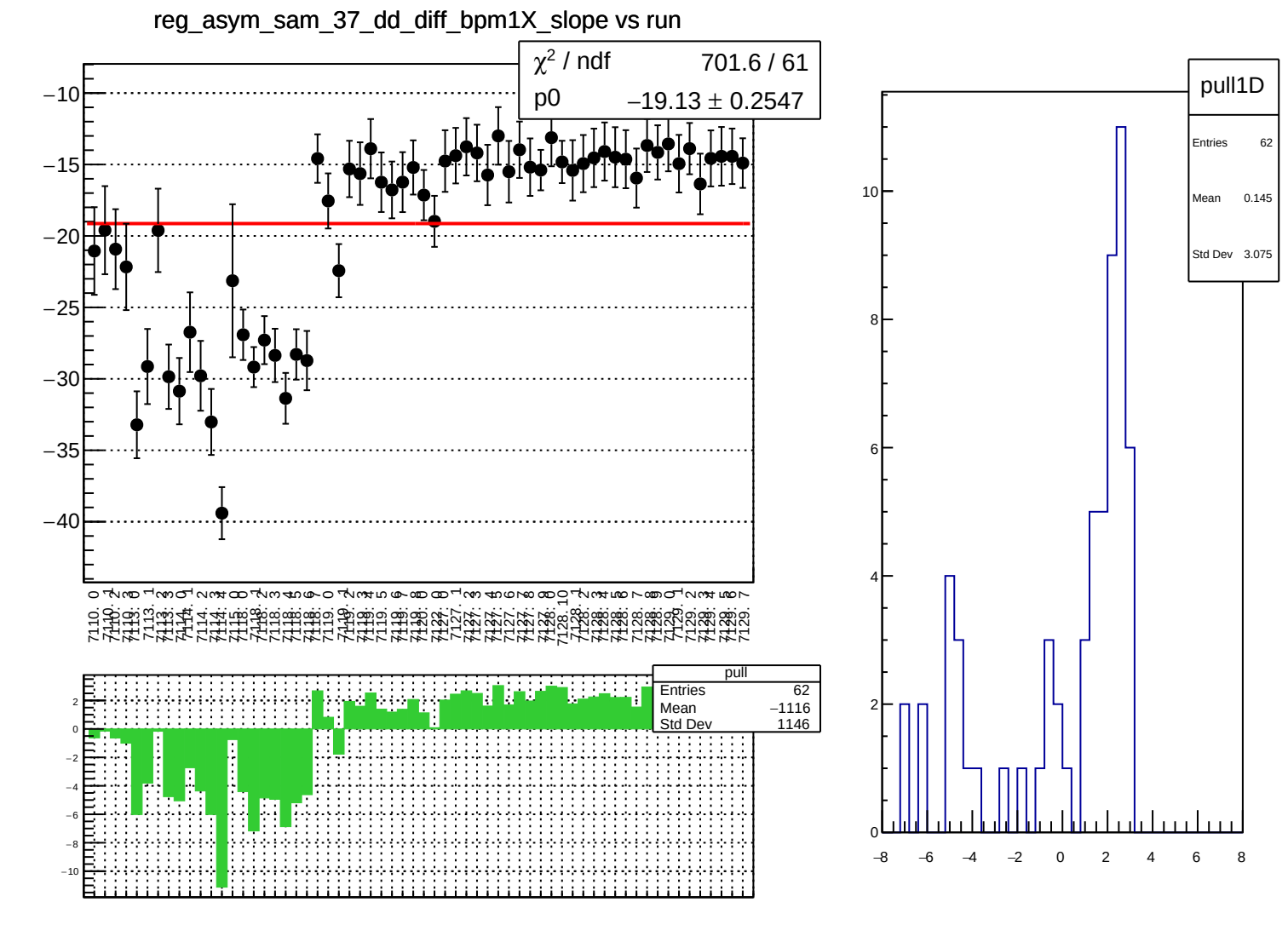

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 348.2 / 61
p0 −46.56 ± 0.5312
pull
Entries 62
Mean 61.78
Std Dev 20.44

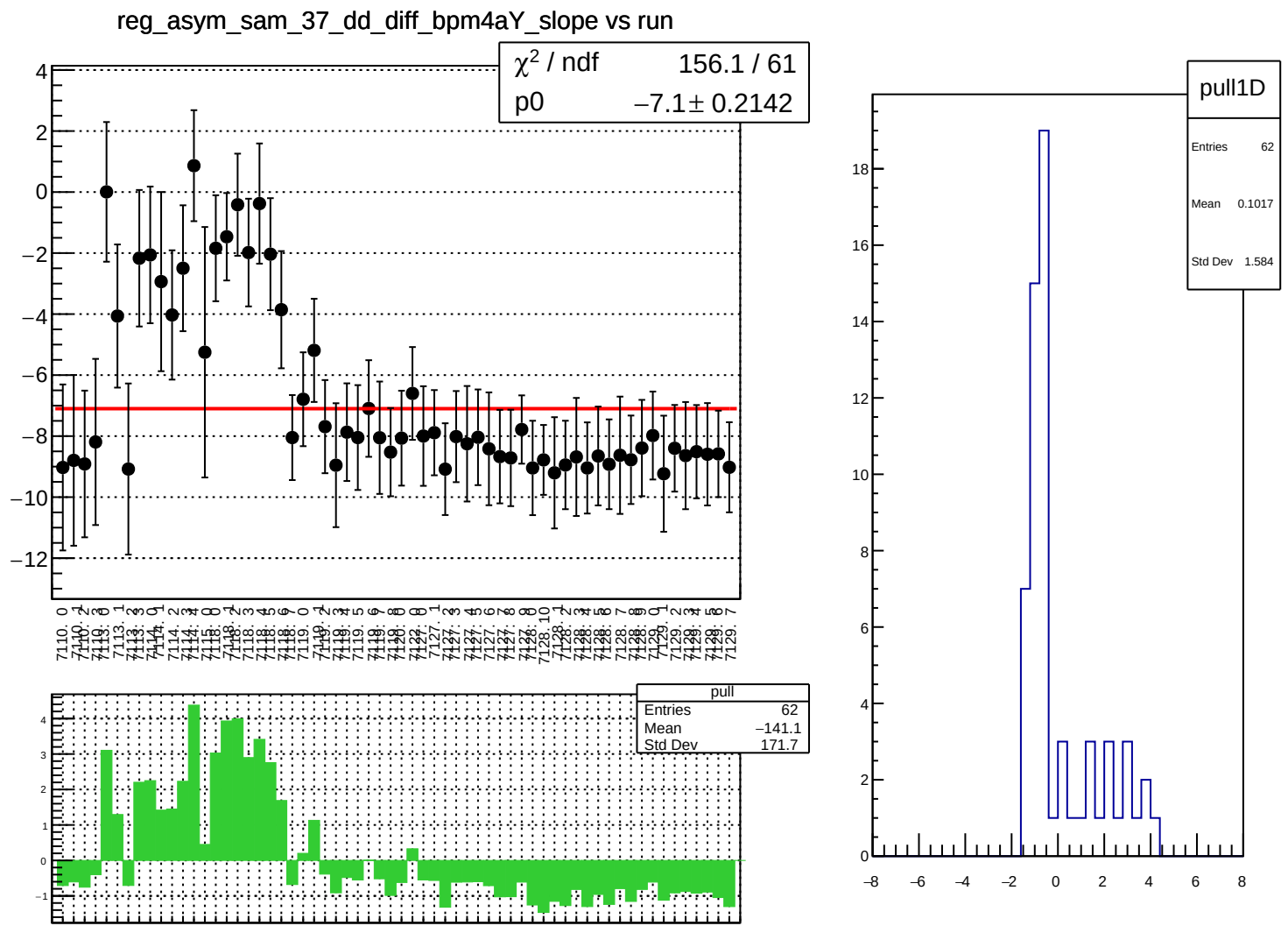

pull1D
Entries 62
Mean −0.3854
Std Dev 2.098

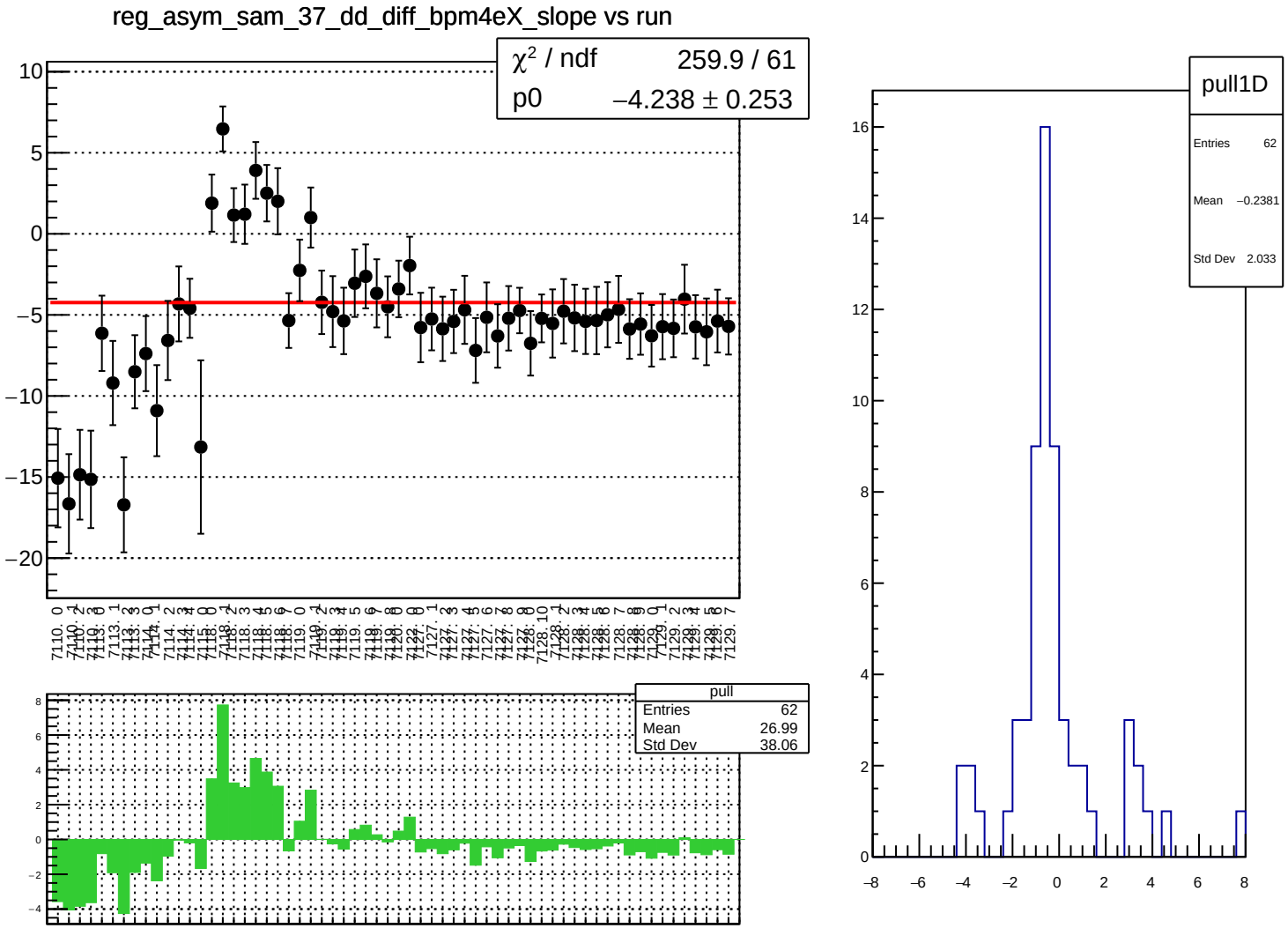

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 224.4 / 61
p0 3.577 ± 0.4783
pull
Entries 62
Mean −262.4
Std Dev 294.5
pull1D
Entries 62
Mean −0.06969
Std Dev 1.901

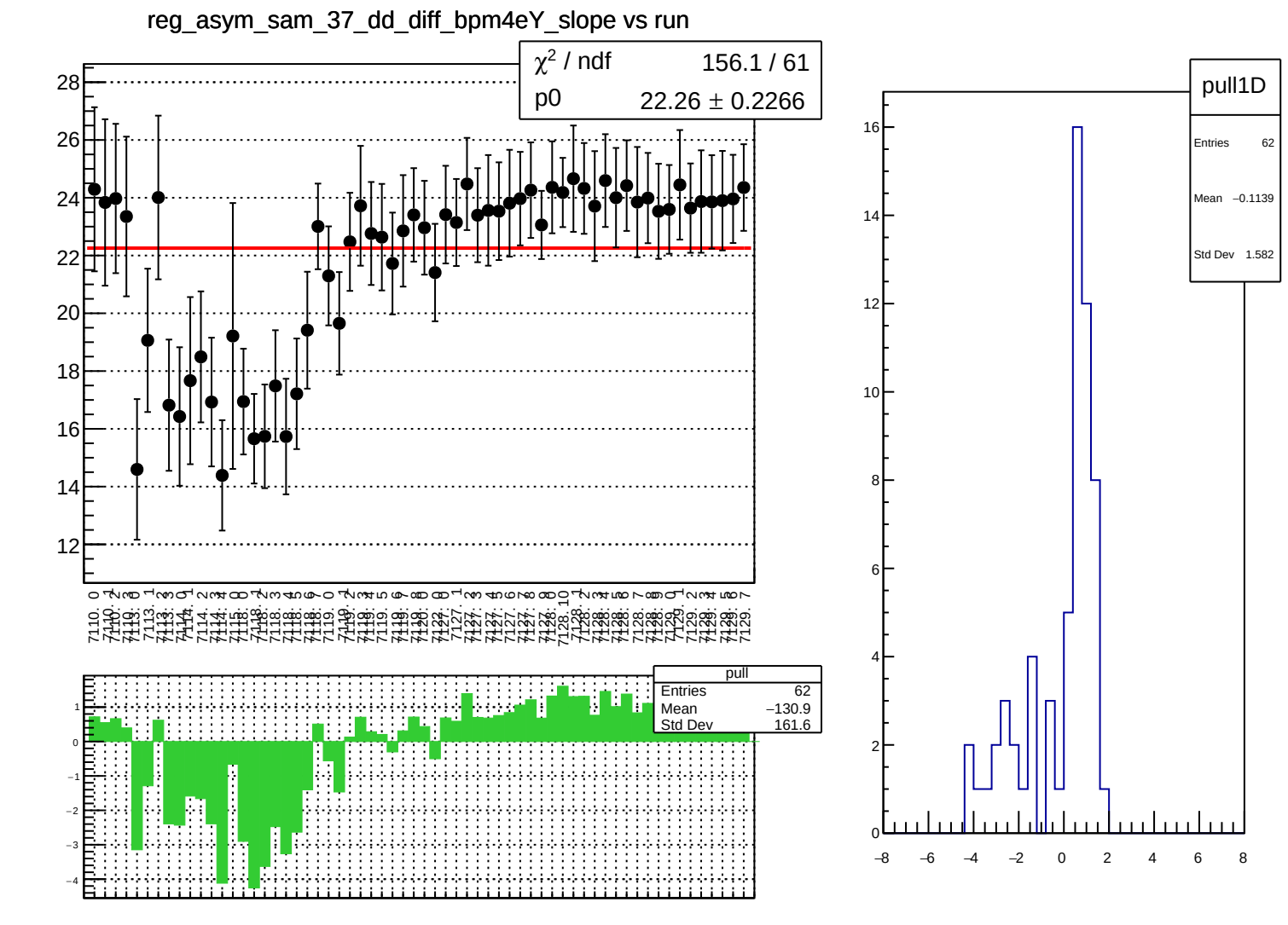

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 47.85 / 61
p0 0.2519 ± 0.02163
pull
Entries 62
Mean −130
Std Dev 162.4

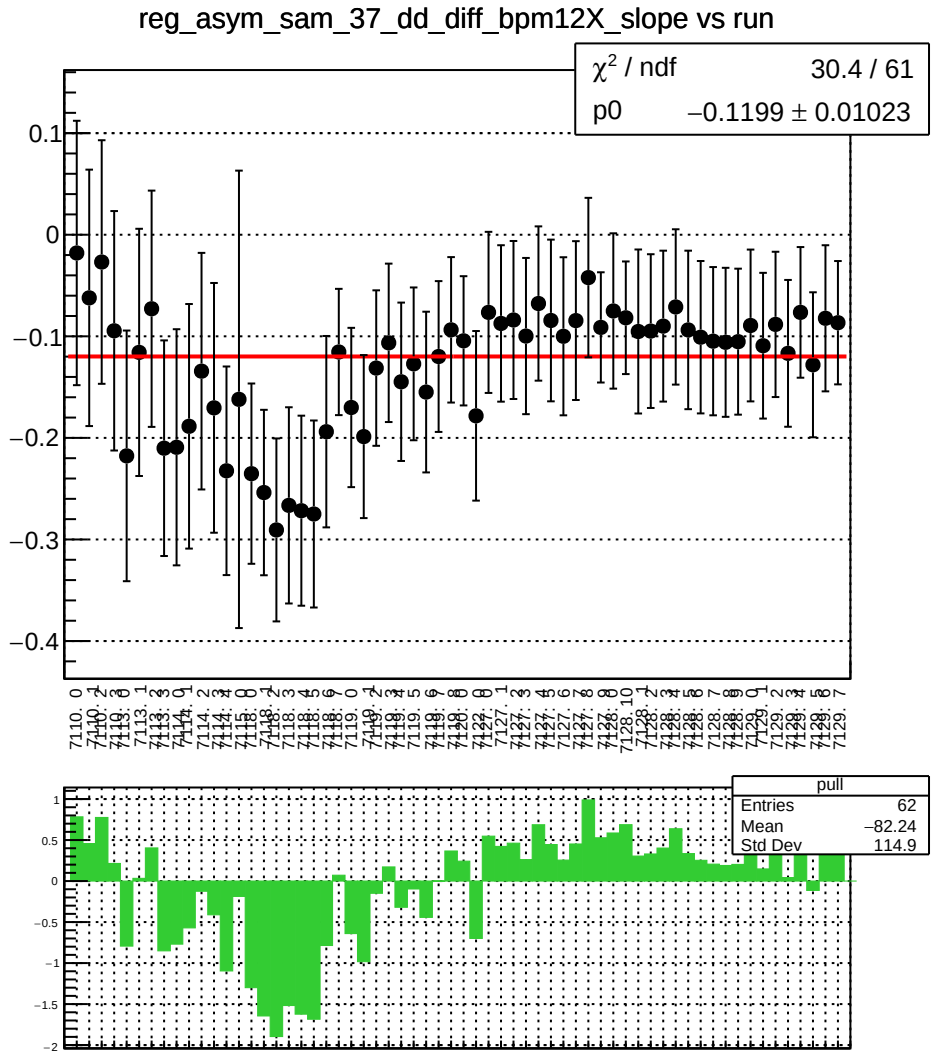

pull1D
Entries 62
Mean −0.05549
Std Dev 0.8767

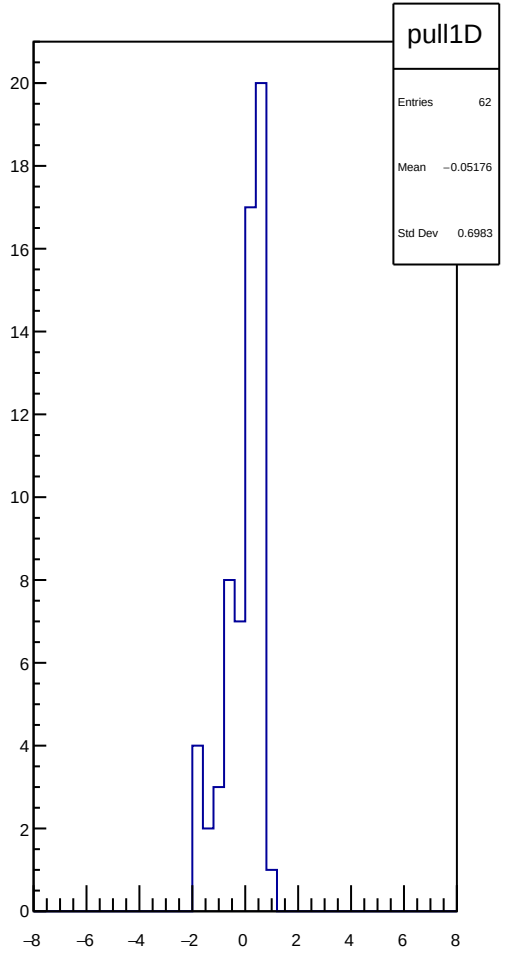

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 701.6 / 61
p0 −19.13 ± 0.2547
pull
Entries 62
Mean −1116
Std Dev 1146
pull1D
Entries 62
Mean 0.145
Std Dev 3.075

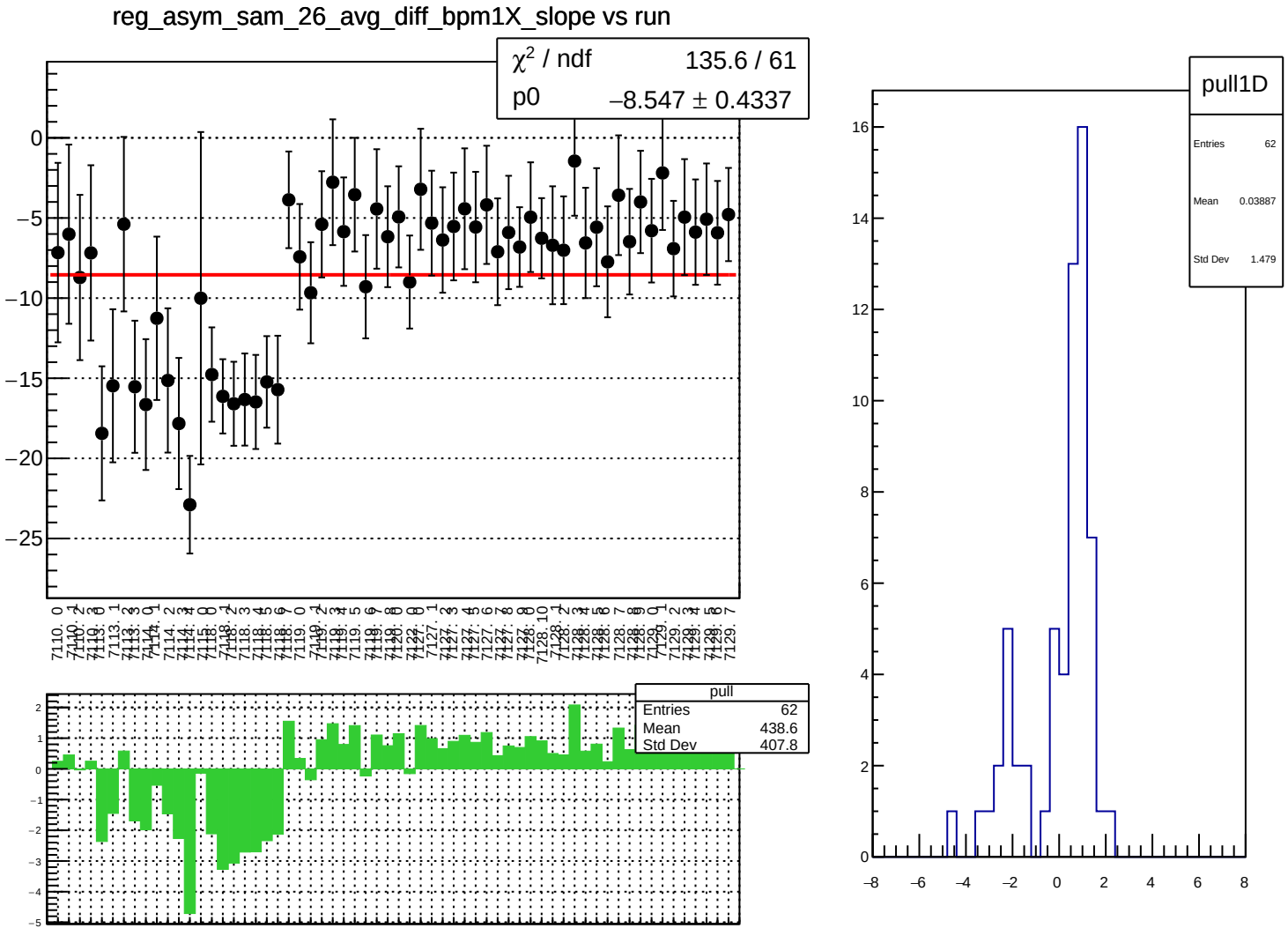

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 156.1 / 61
p0 −7.1 ± 0.2142
pull
Entries 62
Mean −141.1
Std Dev 171.7
pull1D
Entries 62
Mean 0.1017
Std Dev 1.584

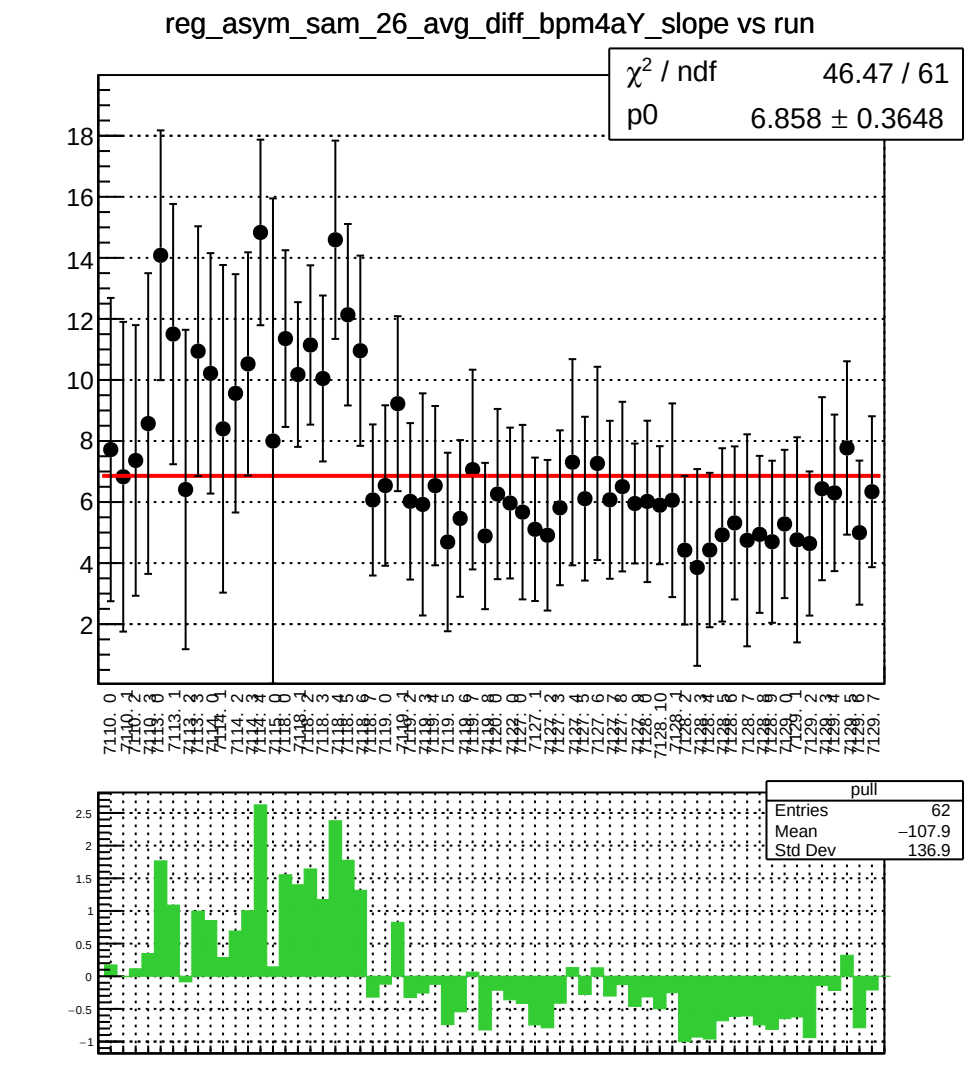

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 259.9 / 61
p0 −4.238 ± 0.253
pull
Entries 62
Mean 26.99
Std Dev 38.06
pull1D
Entries 62
Mean −0.2381
Std Dev 2.033

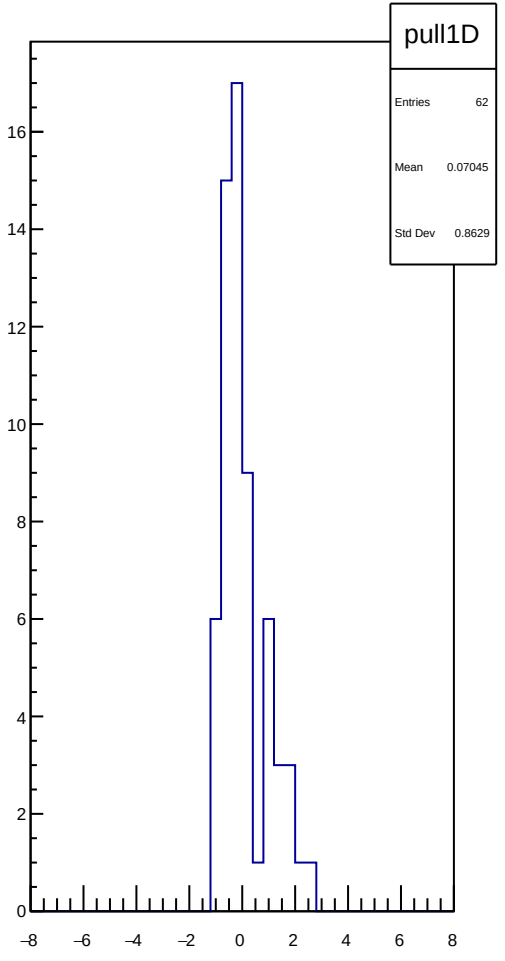

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 156.1 / 61
p0 22.26 ± 0.2266
pull
Entries 62
Mean −130.9
Std Dev 161.6
pull1D
Entries 62
Mean −0.1139
Std Dev 1.582

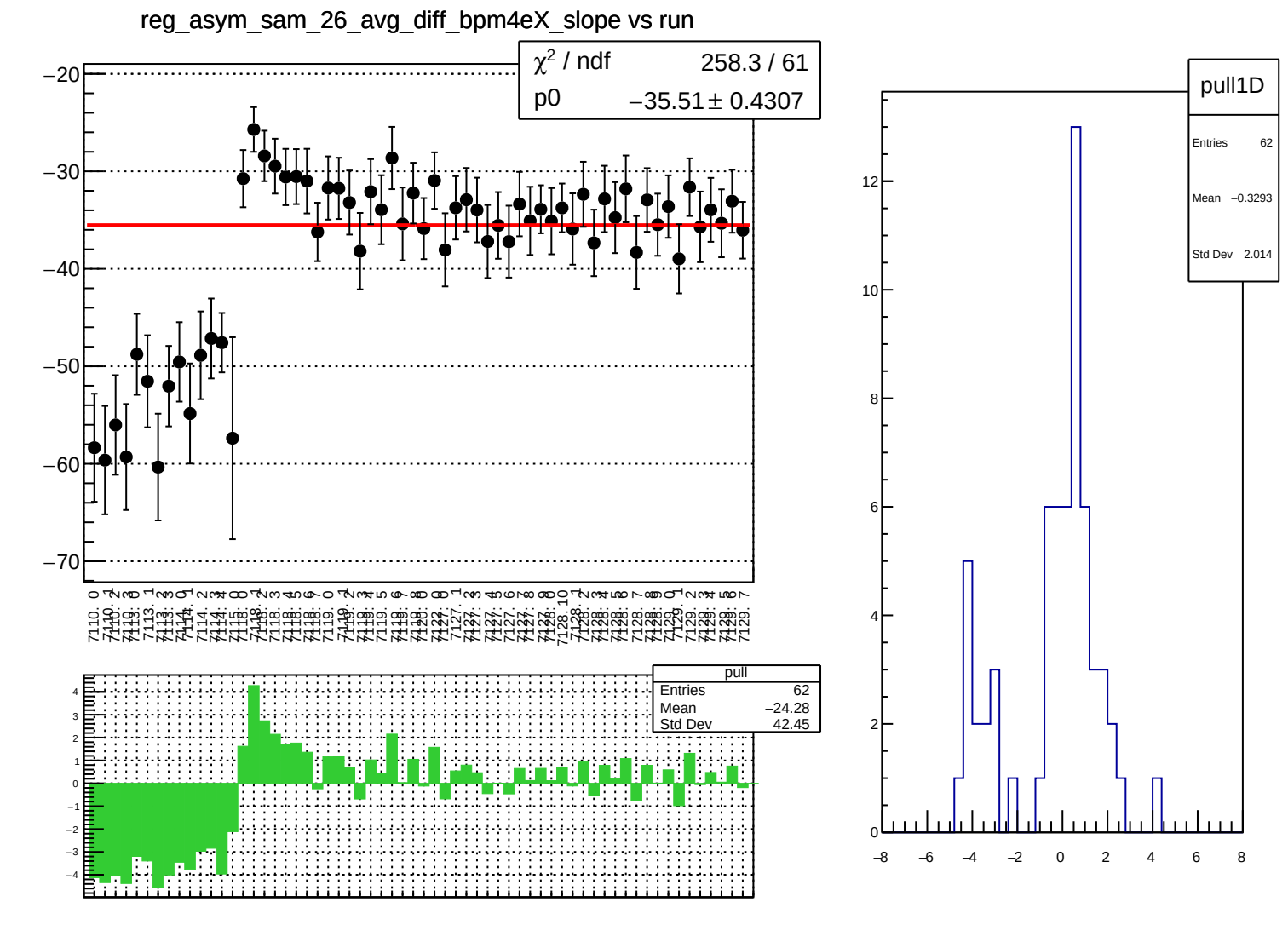

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 30.4 / 61
p0 −0.1199 ± 0.01023
pull
Entries 62
Mean −82.24
Std Dev 114.9

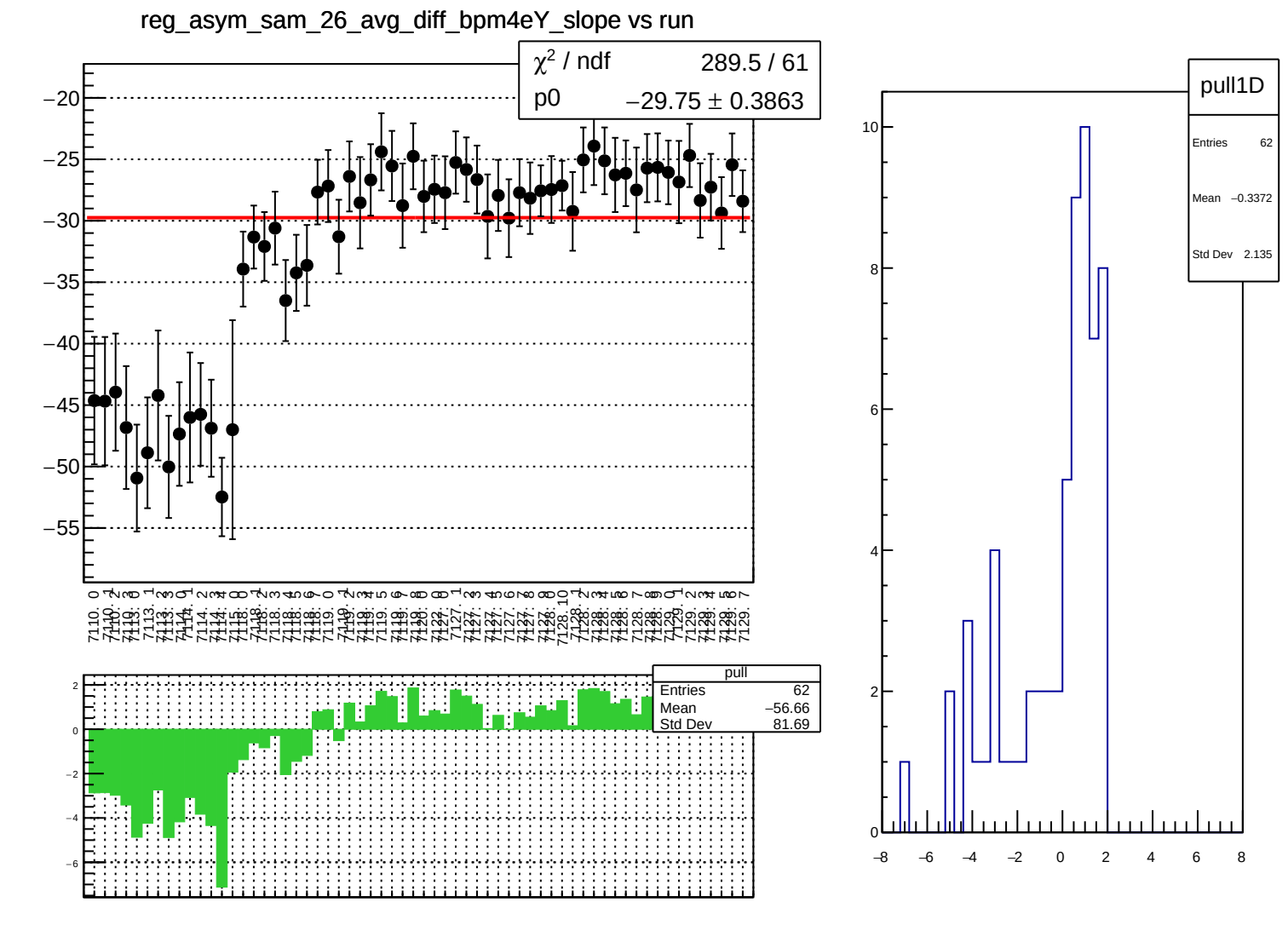

pull1D
Entries 62
Mean −0.05176
Std Dev 0.6983

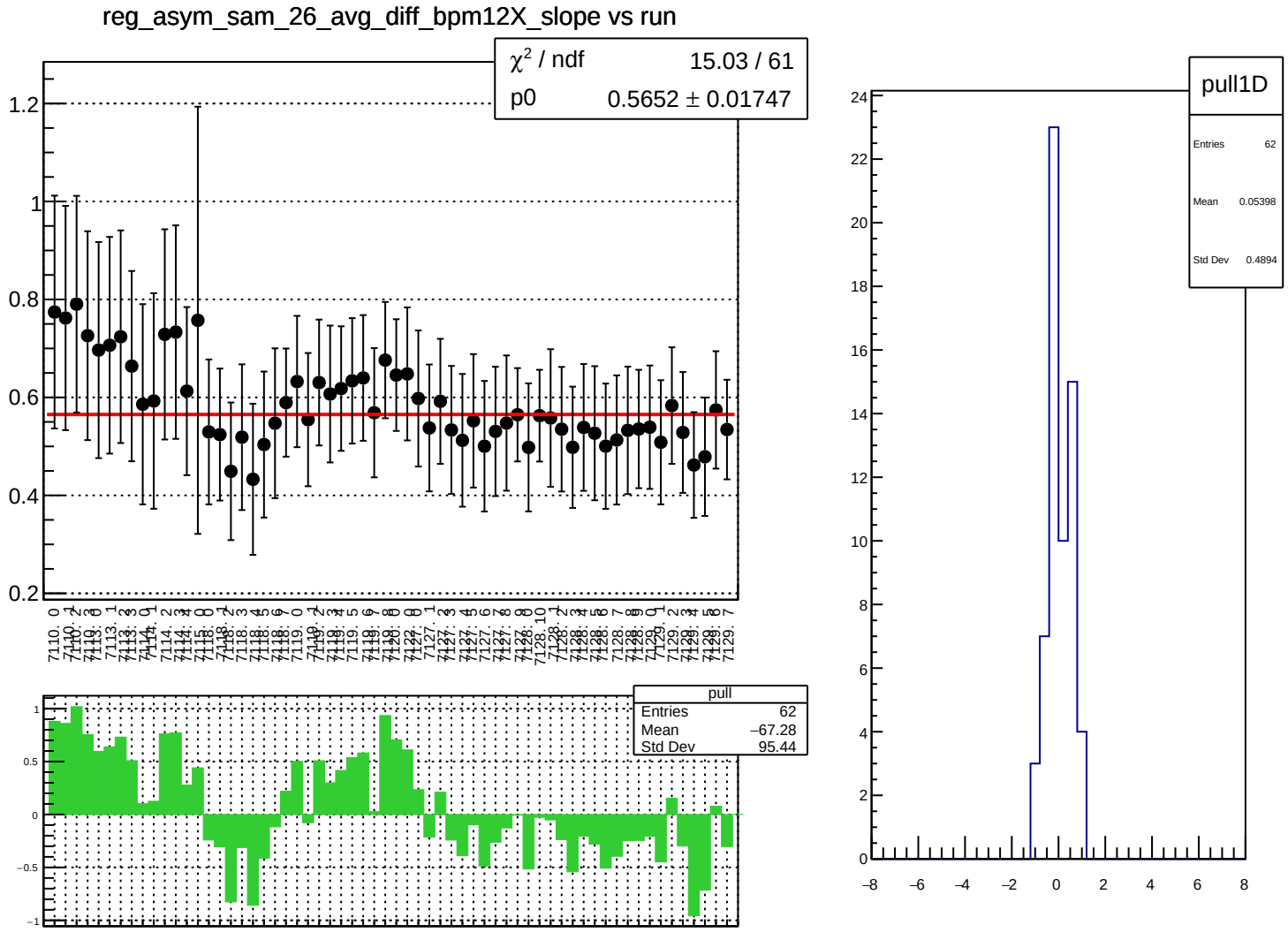

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 135.6 / 61
p0 −8.547 ± 0.4337
pull
Entries 62
Mean 438.6
Std Dev 407.8
pull1D
Entries 62
Mean 0.03887
Std Dev 1.479

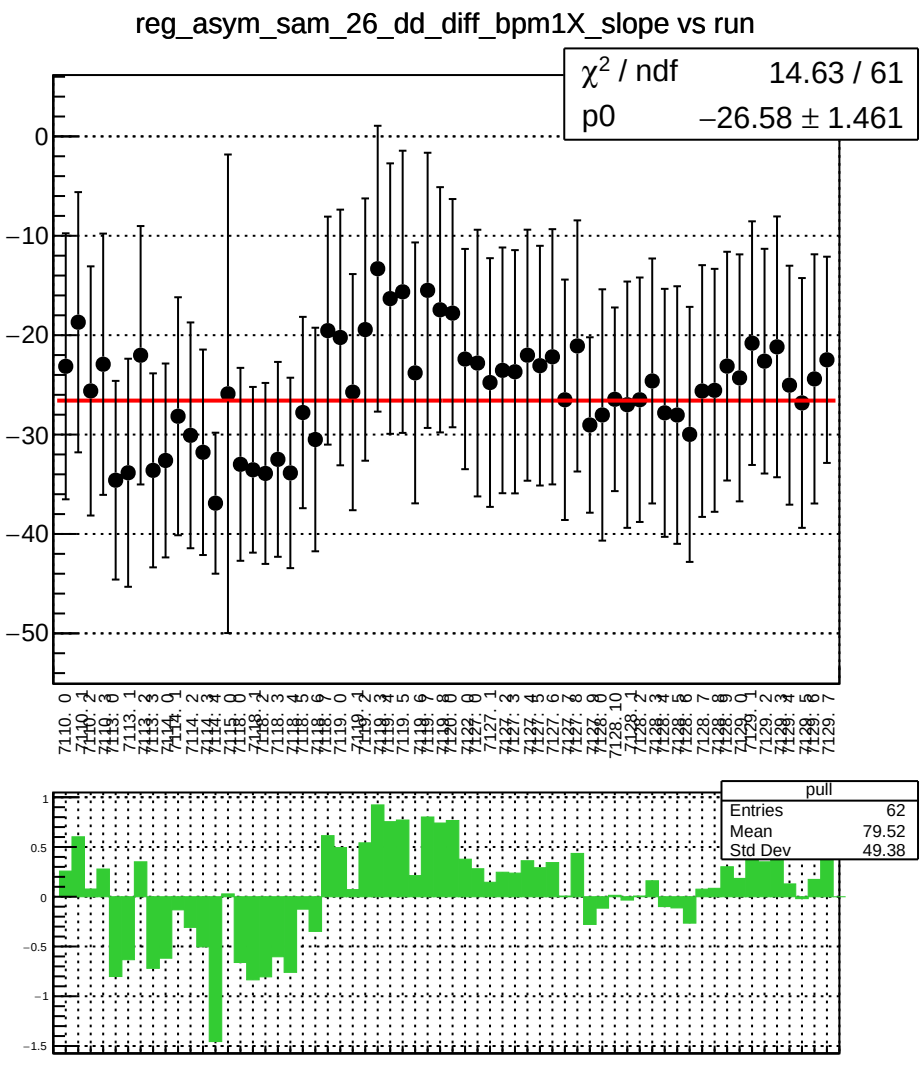

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.47 / 61
p0 6.858 ± 0.3648
pull
Entries 62
Mean −107.9
Std Dev 136.9

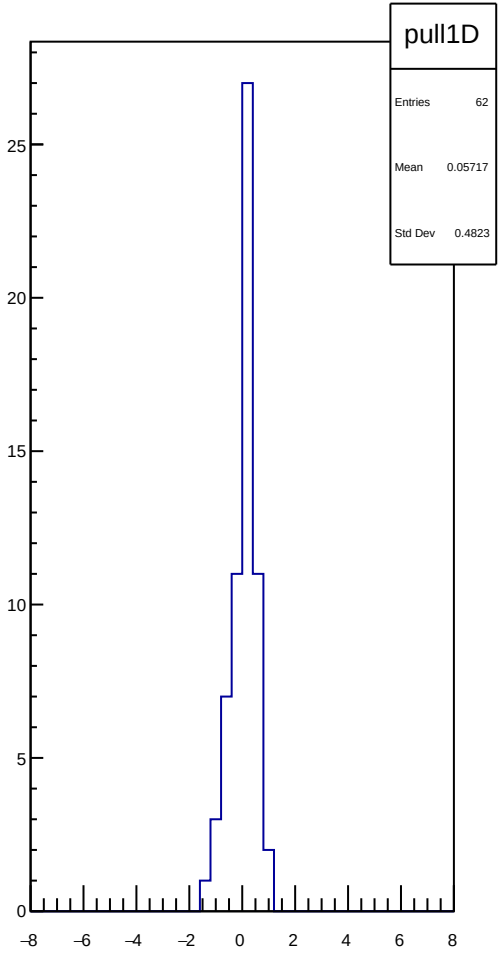

pull1D
Entries 62
Mean 0.07045
Std Dev 0.8629

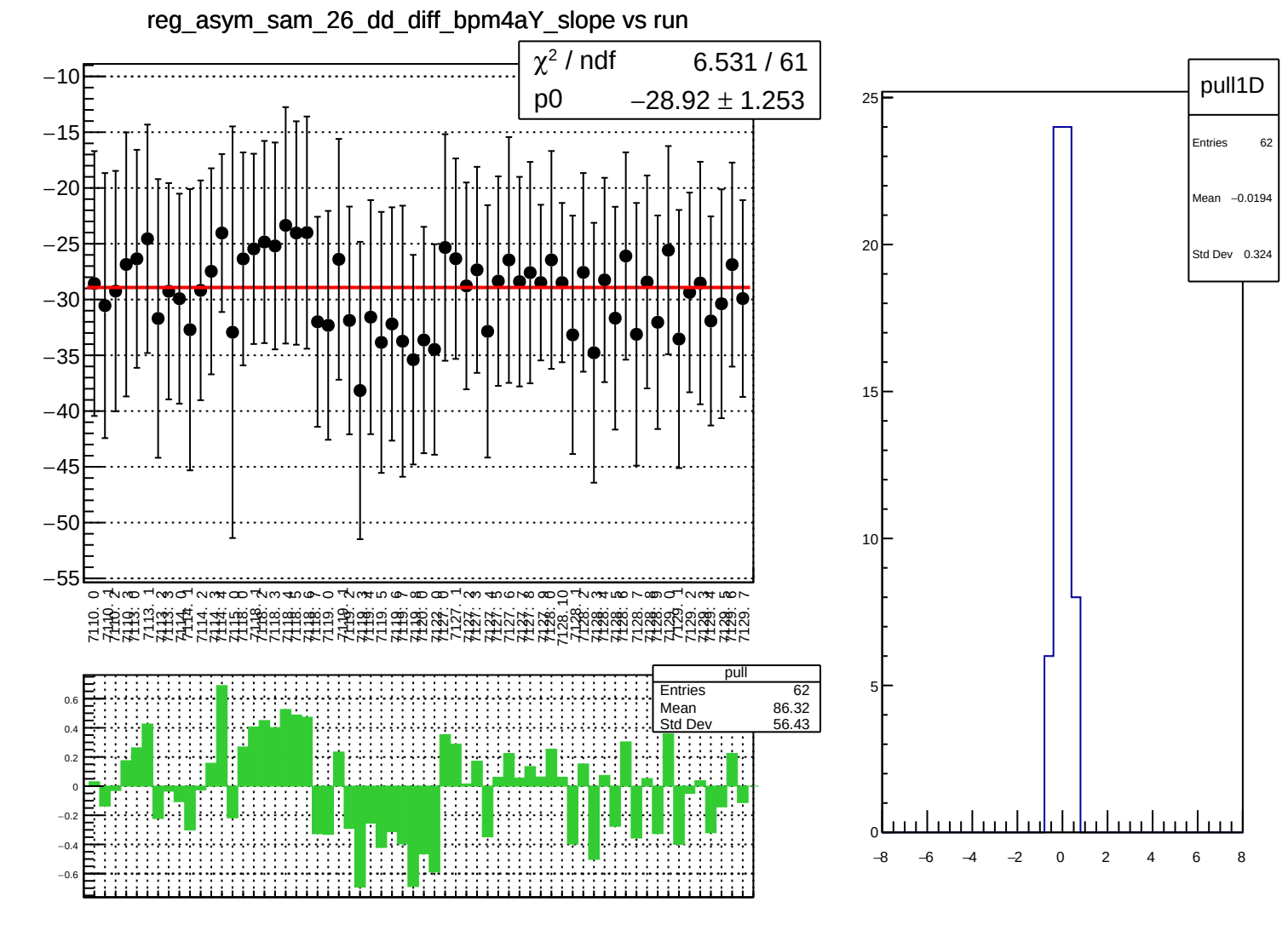

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 258.3 / 61
p0 −35.51 ± 0.4307
pull
Entries 62
Mean −24.28
Std Dev 42.45
pull1D
Entries 62
Mean −0.3293
Std Dev 2.014

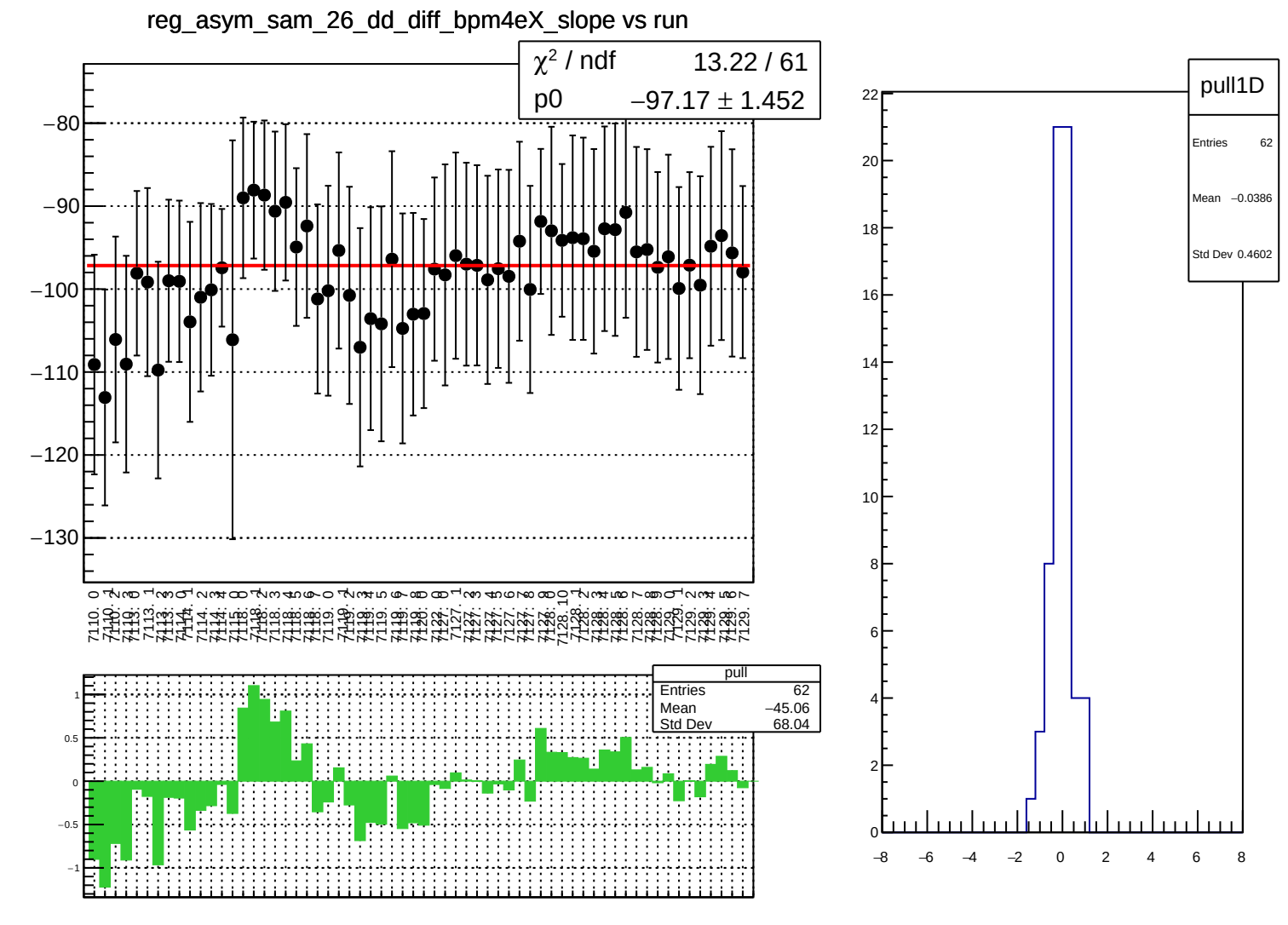

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 289.5 / 61
p0 −29.75 ± 0.3863
pull
Entries 62
Mean −56.66
Std Dev 81.69
pull1D
Entries 62
Mean −0.3372
Std Dev 2.135

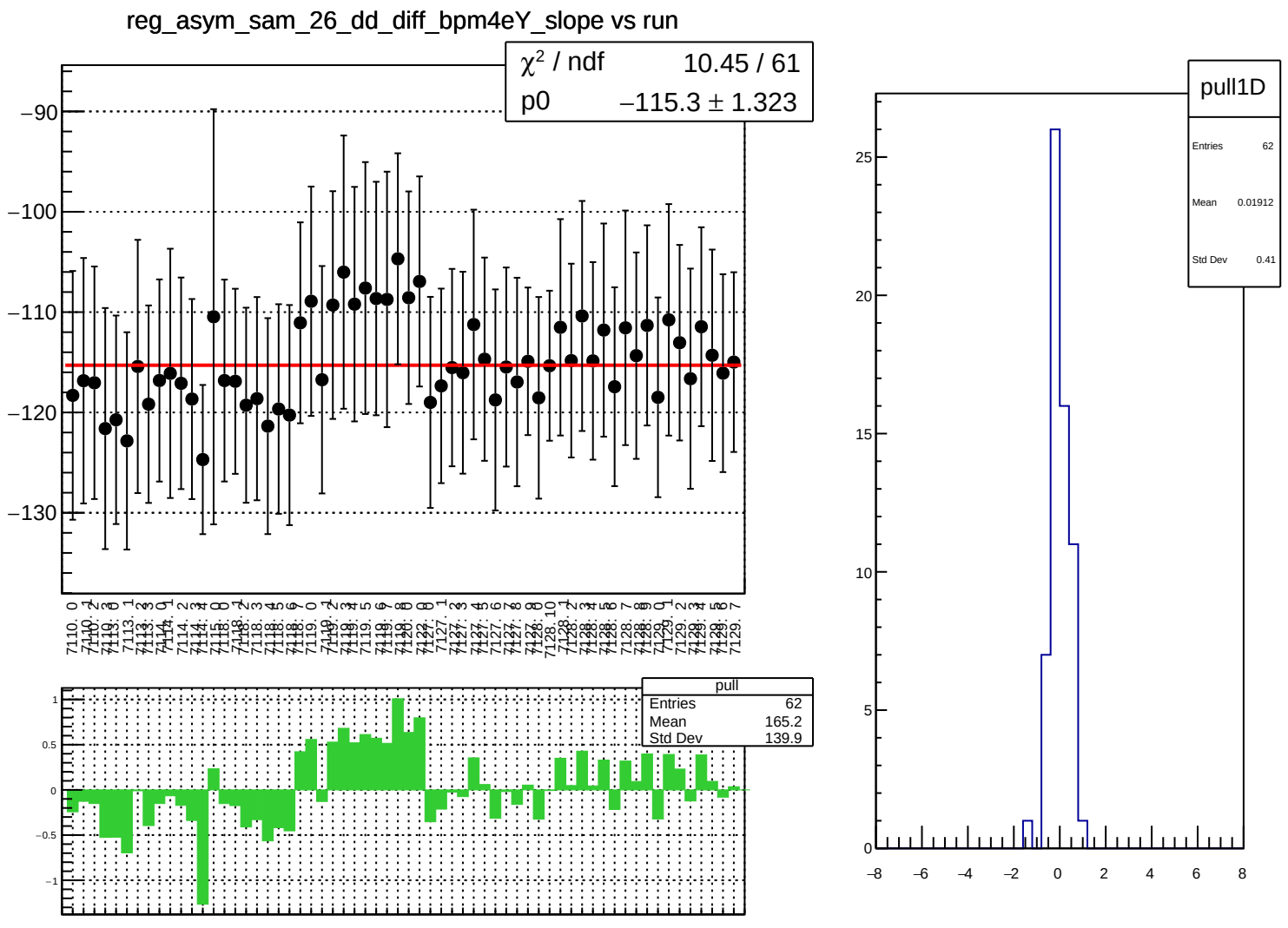

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 15.03 / 61
p0 0.5652 ± 0.01747
pull
Entries 62
Mean −67.28
Std Dev 95.44
pull1D
Entries 62
Mean 0.05398
Std Dev 0.4894

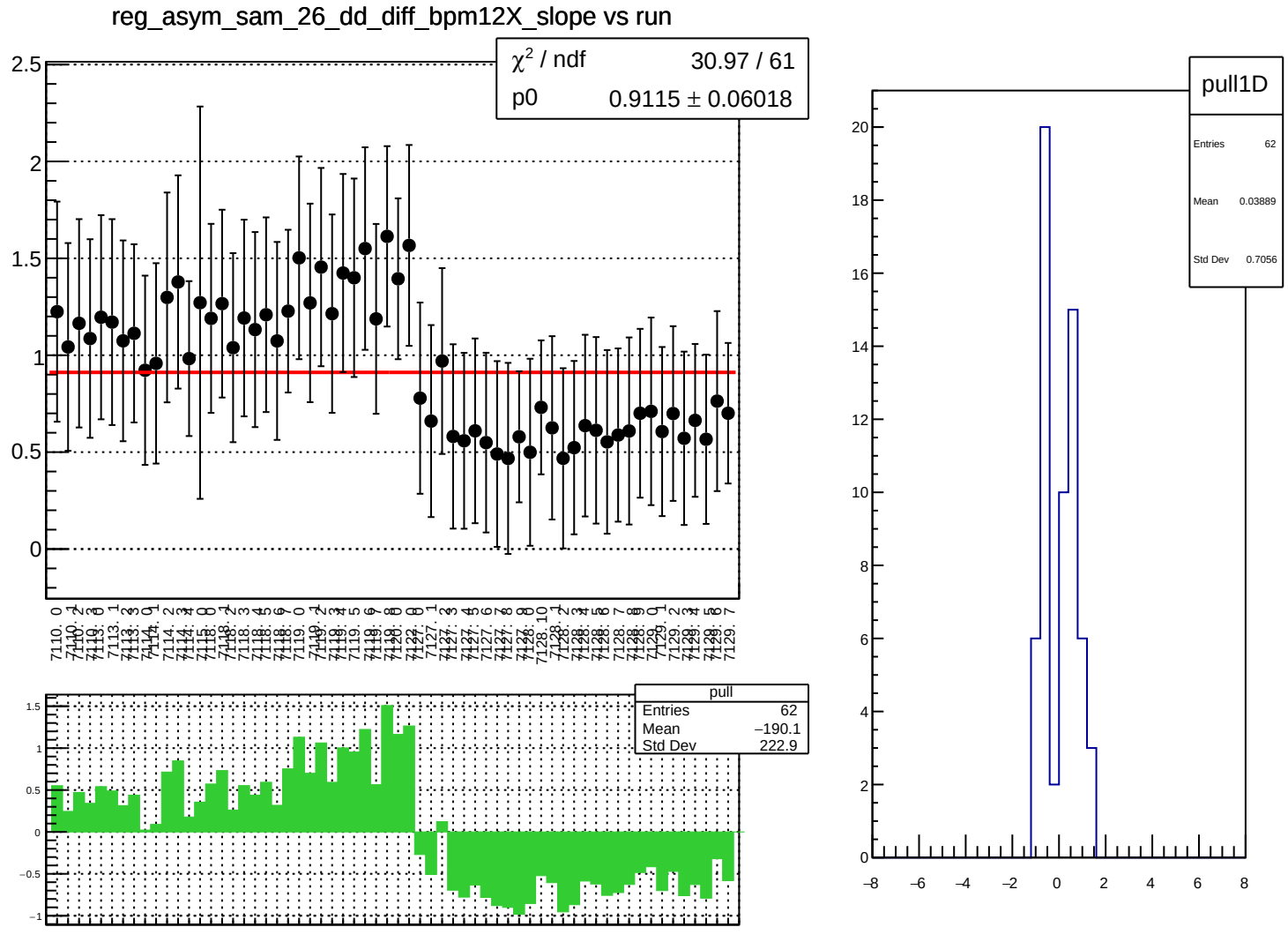

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.63 / 61
p0 −26.58 ± 1.461
pull
Entries 62
Mean 79.52
Std Dev 49.38

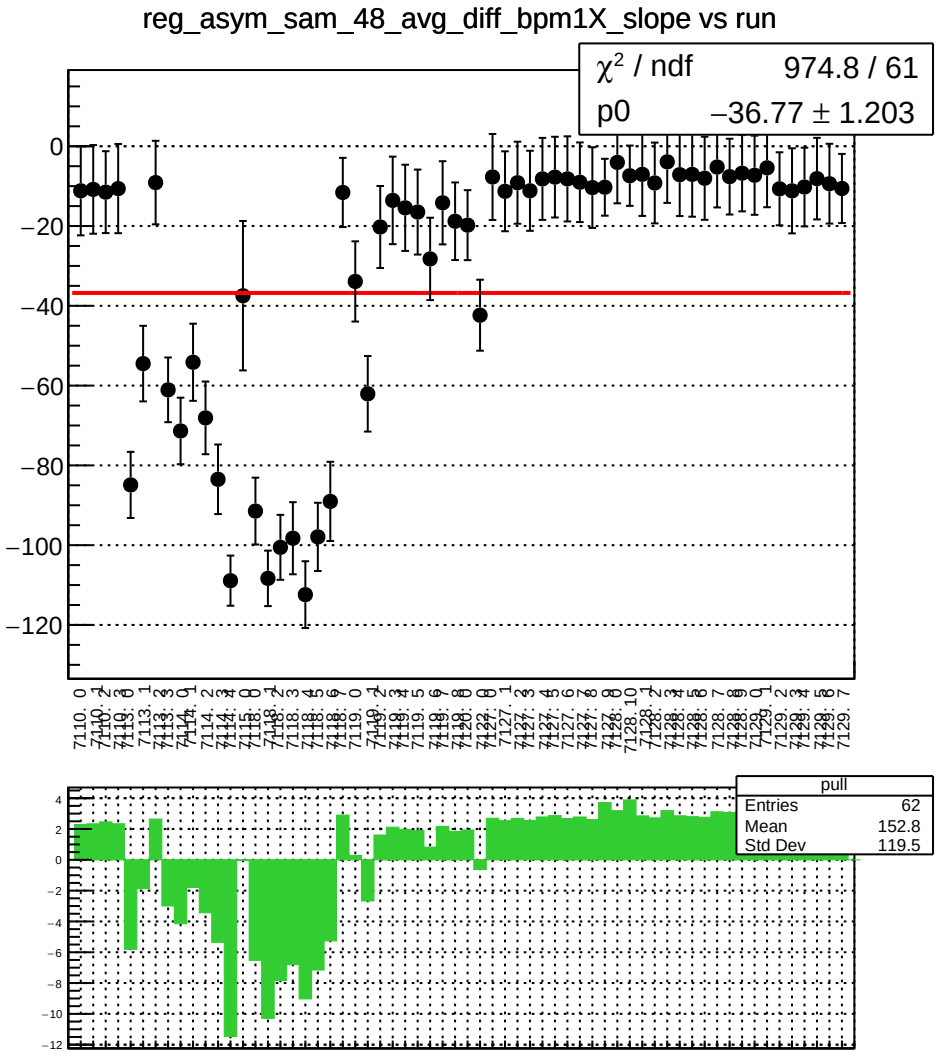

pull1D
Entries 62
Mean 0.05717
Std Dev 0.4823

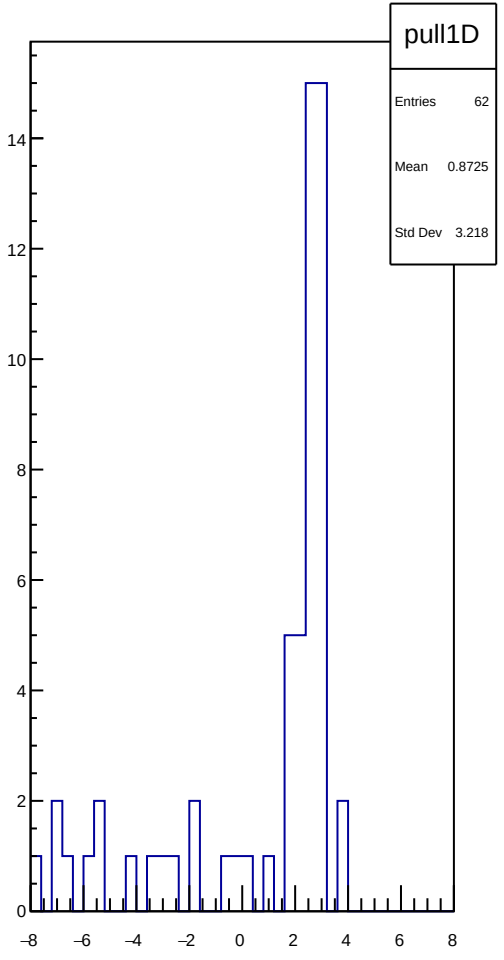

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.531 / 61
p0 −28.92 ± 1.253
pull
Entries 62
Mean 86.32
Std Dev 56.43
pull1D
Entries 62
Mean −0.0194
Std Dev 0.324

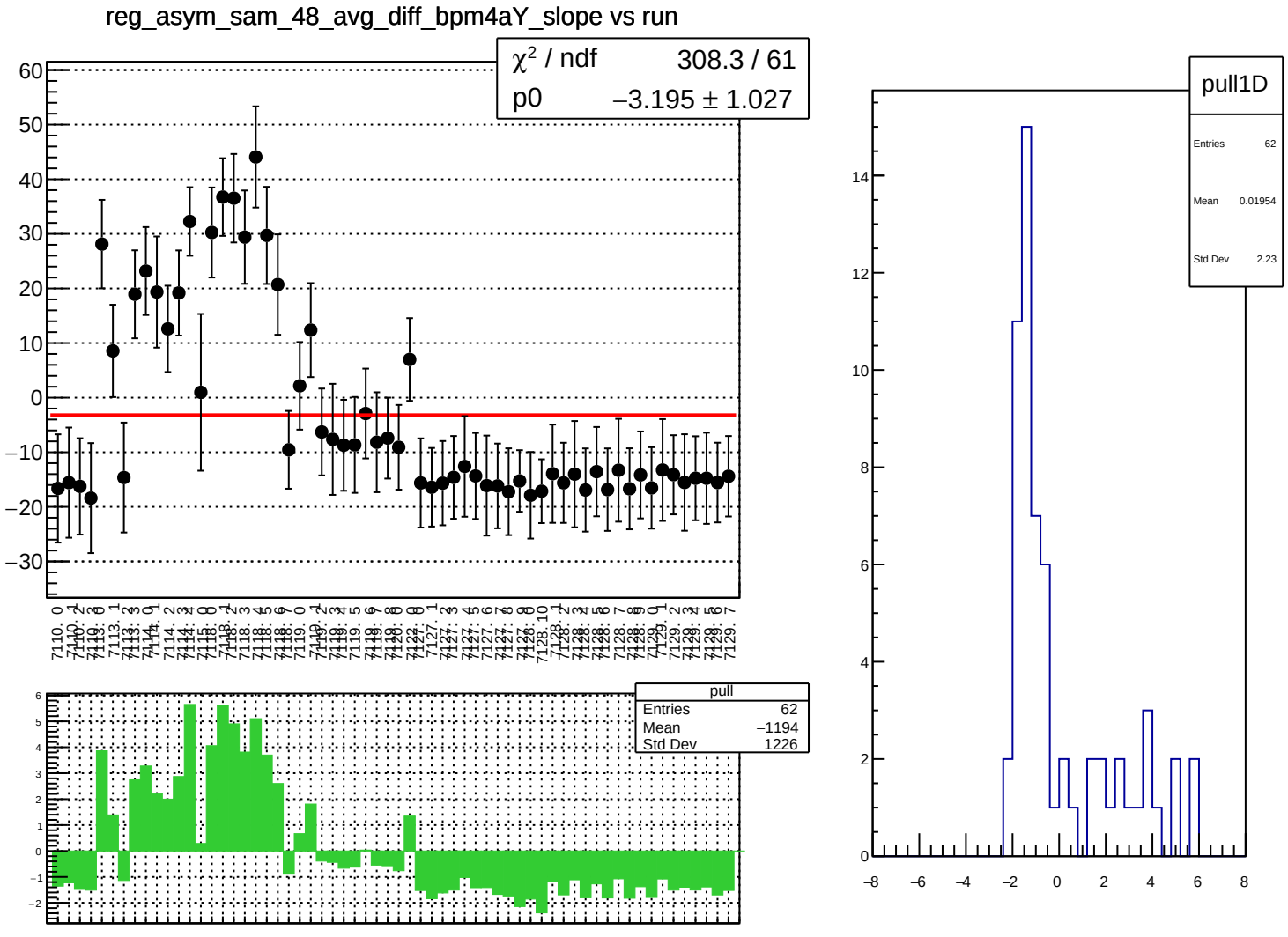

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.22 / 61
p0 −97.17 ± 1.452
pull
Entries 62
Mean −45.06
Std Dev 68.04
pull1D
Entries 62
Mean −0.0386
Std Dev 0.4602

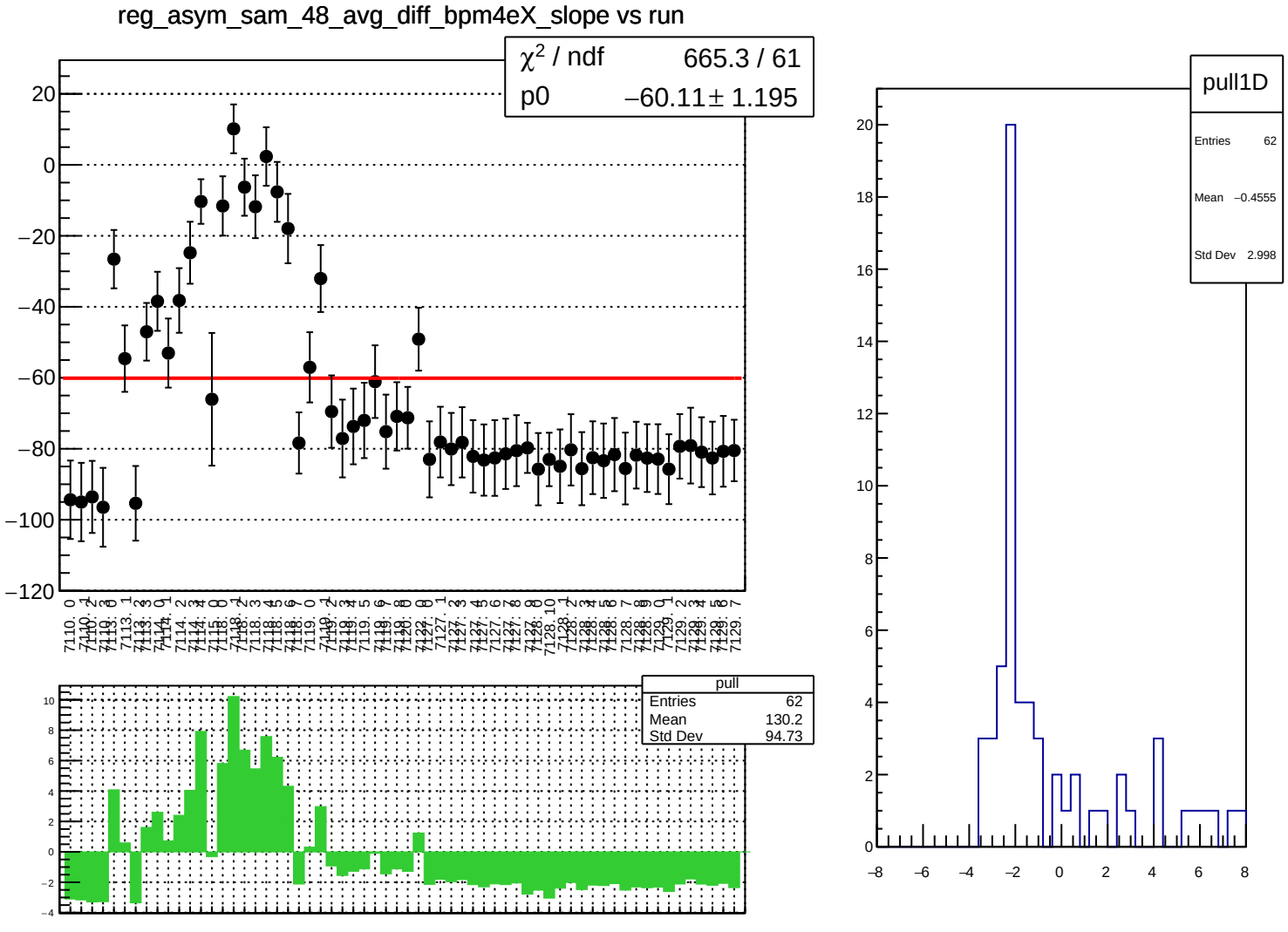

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.45 / 61
p0 −115.3 ± 1.323
−90
−100
−110
−120
−130
pull
Entries 62
Mean 165.2
Std Dev 139.9
1
0.5
0
−0.5
−1
pull1D
Entries 62
Mean 0.01912
Std Dev 0.41
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

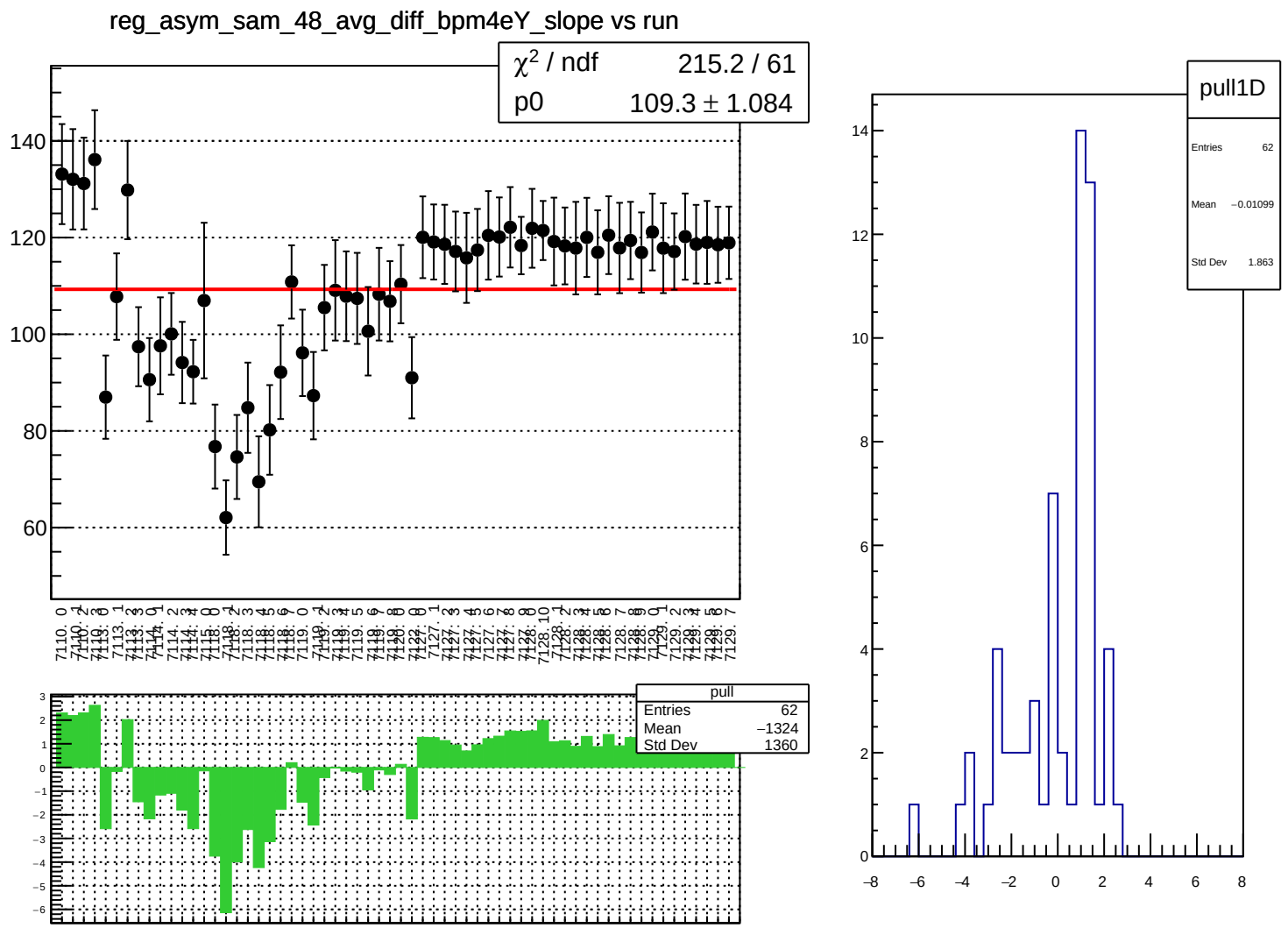

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 30.97 / 61
p0 0.9115 ± 0.06018
pull
Entries 62
Mean −190.1
Std Dev 222.9
pull1D
Entries 62
Mean 0.03889
Std Dev 0.7056

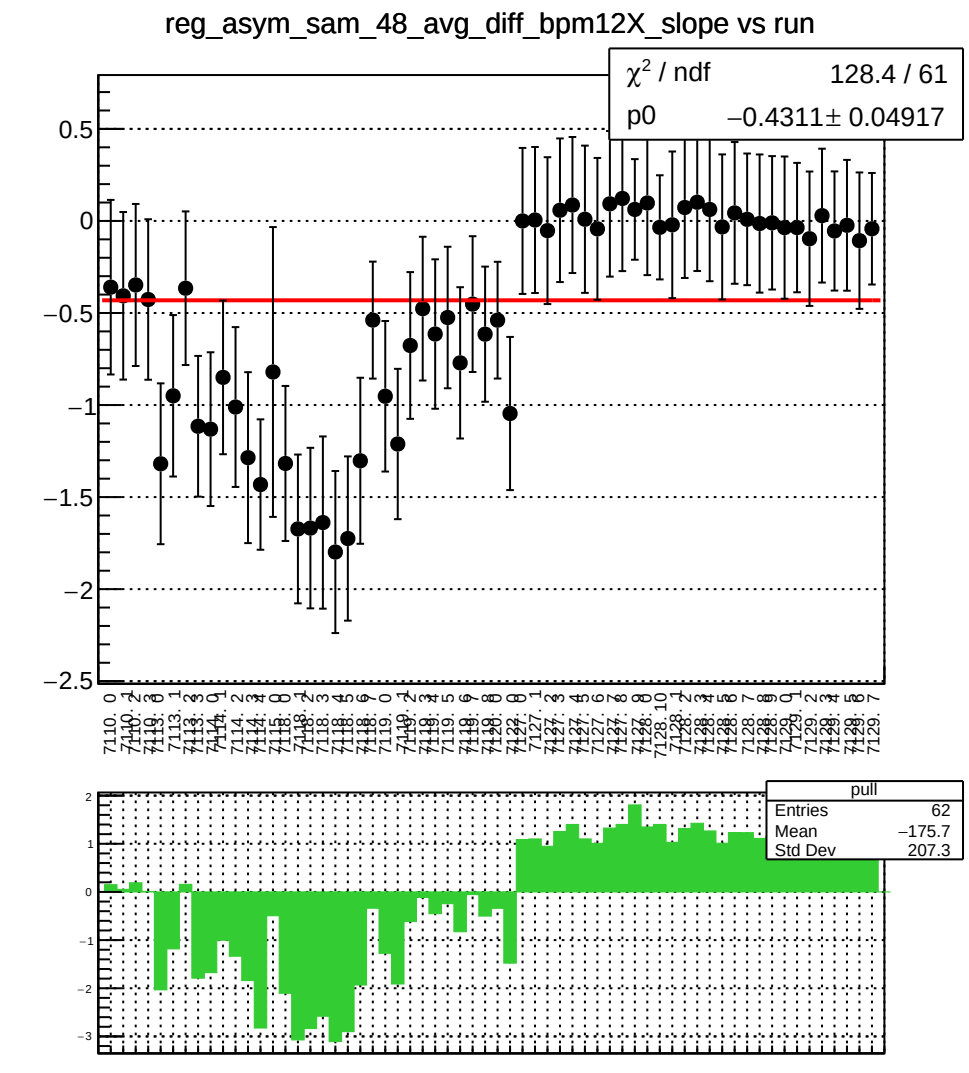

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 974.8 / 61
p0 −36.77 ± 1.203
pull
Entries 62
Mean 152.8
Std Dev 119.5

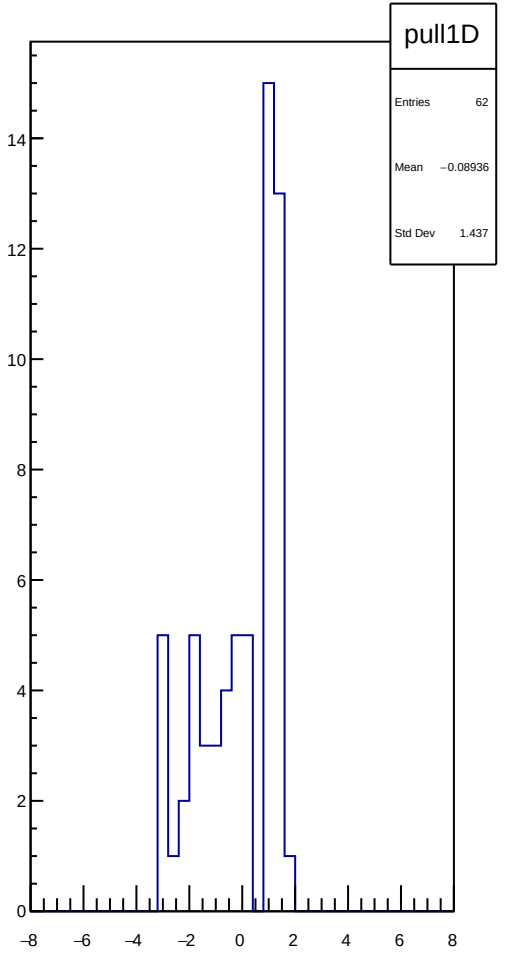

pull1D
Entries 62
Mean 0.8725
Std Dev 3.218

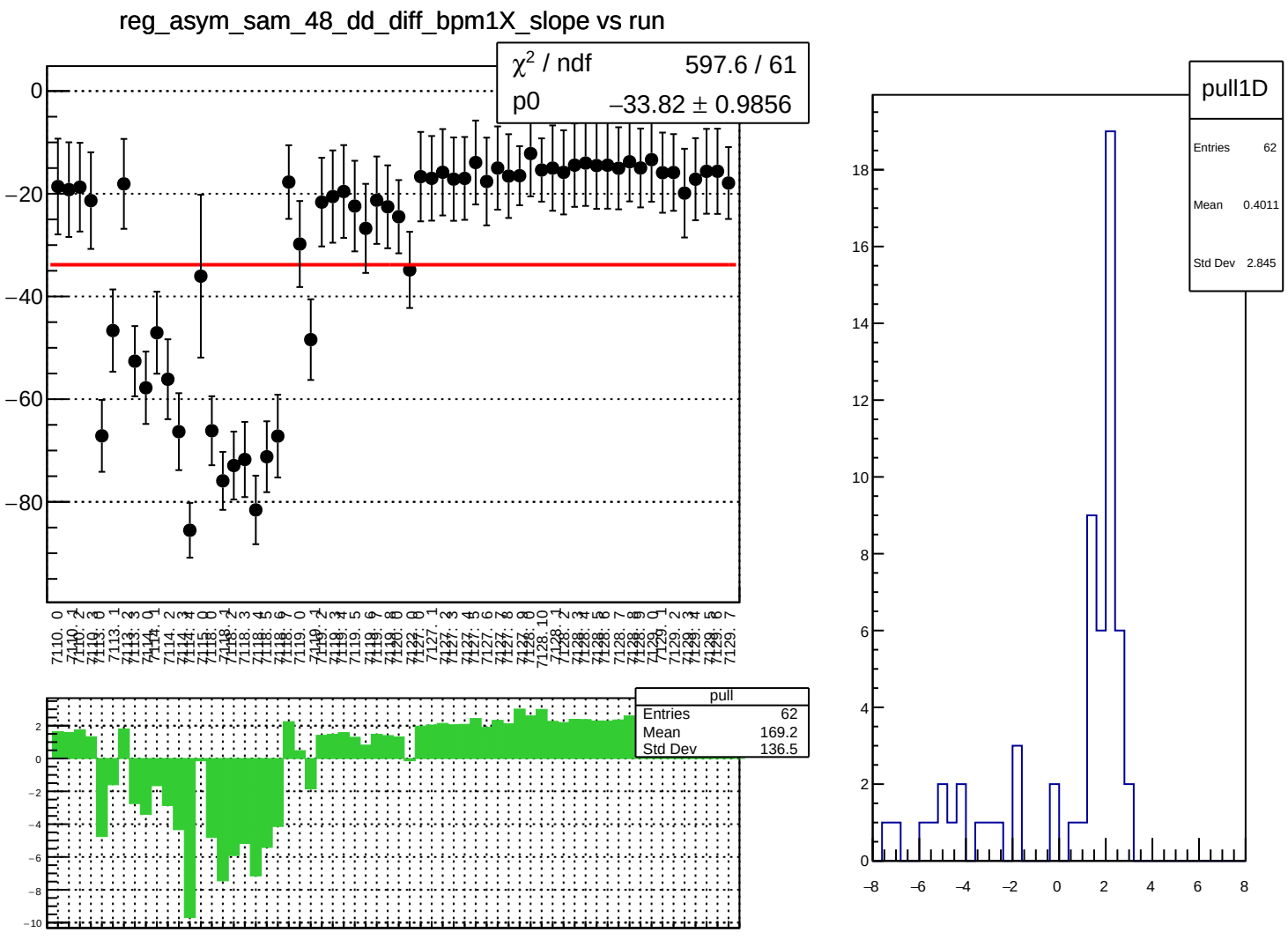

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 308.3 / 61
p0 −3.195 ± 1.027
pull
Entries 62
Mean −1194
Std Dev 1226
pull1D
Entries 62
Mean 0.01954
Std Dev 2.23

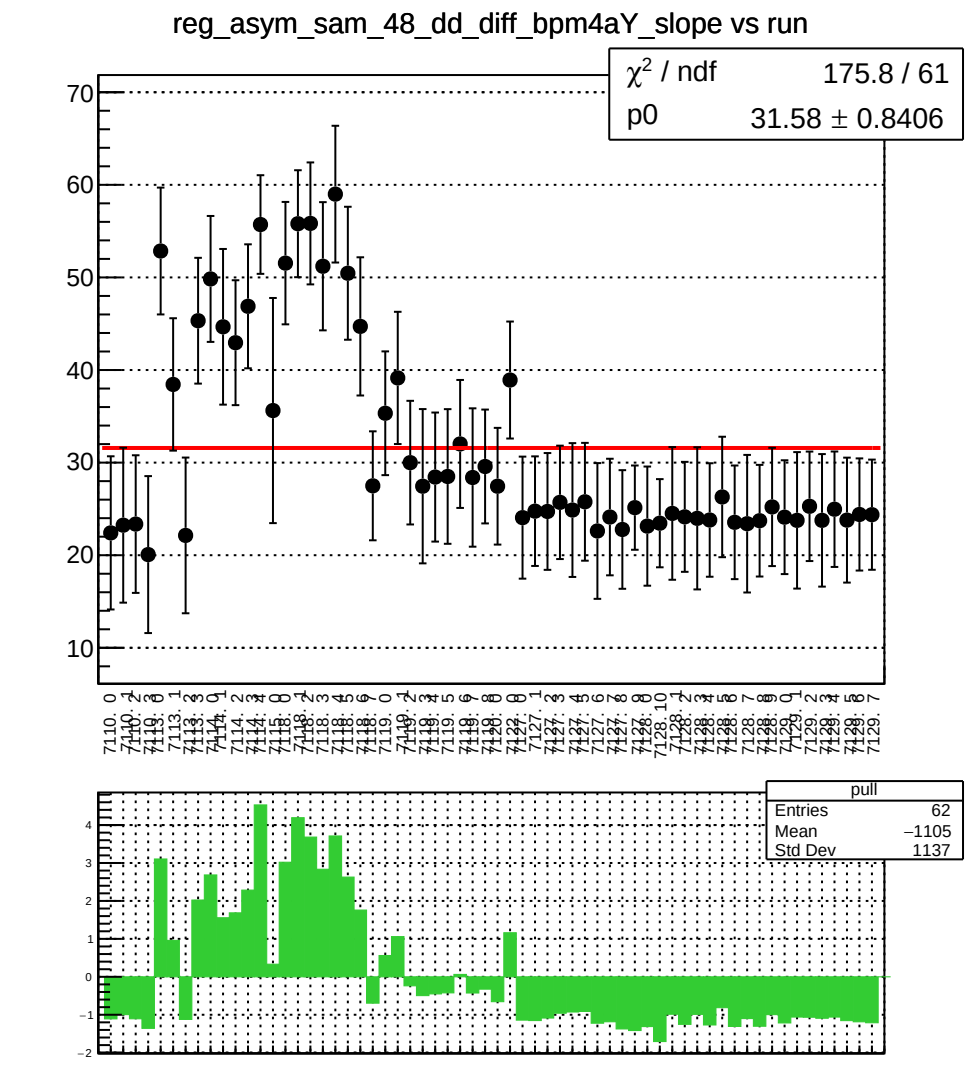

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 665.3 / 61
p0 −60.11 ± 1.195
pull
Entries 62
Mean 130.2
Std Dev 94.73
pull1D
Entries 62
Mean −0.4555
Std Dev 2.998

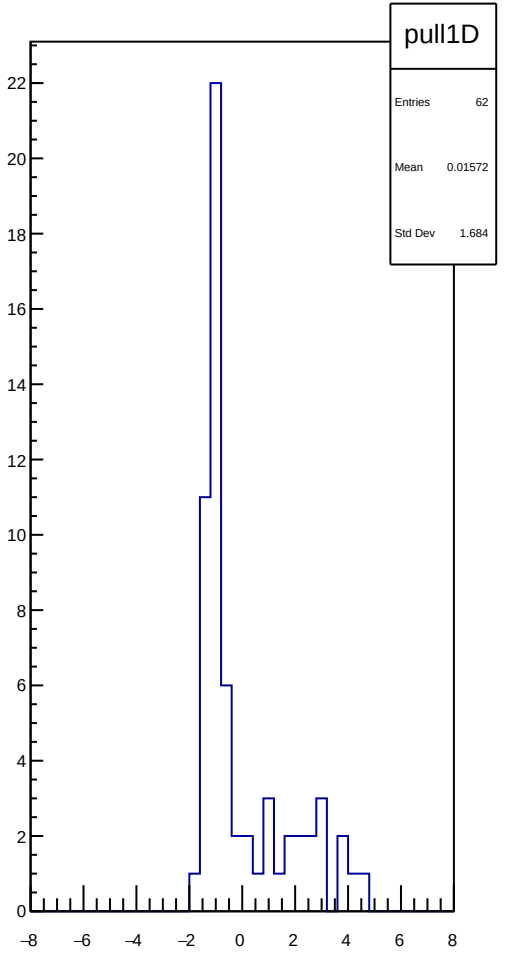

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 215.2 / 61
p0 109.3 ± 1.084
140
120
100
80
60
pull
Entries 62
Mean −1324
Std Dev 1360
3
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 62
Mean −0.01099
Std Dev 1.863
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

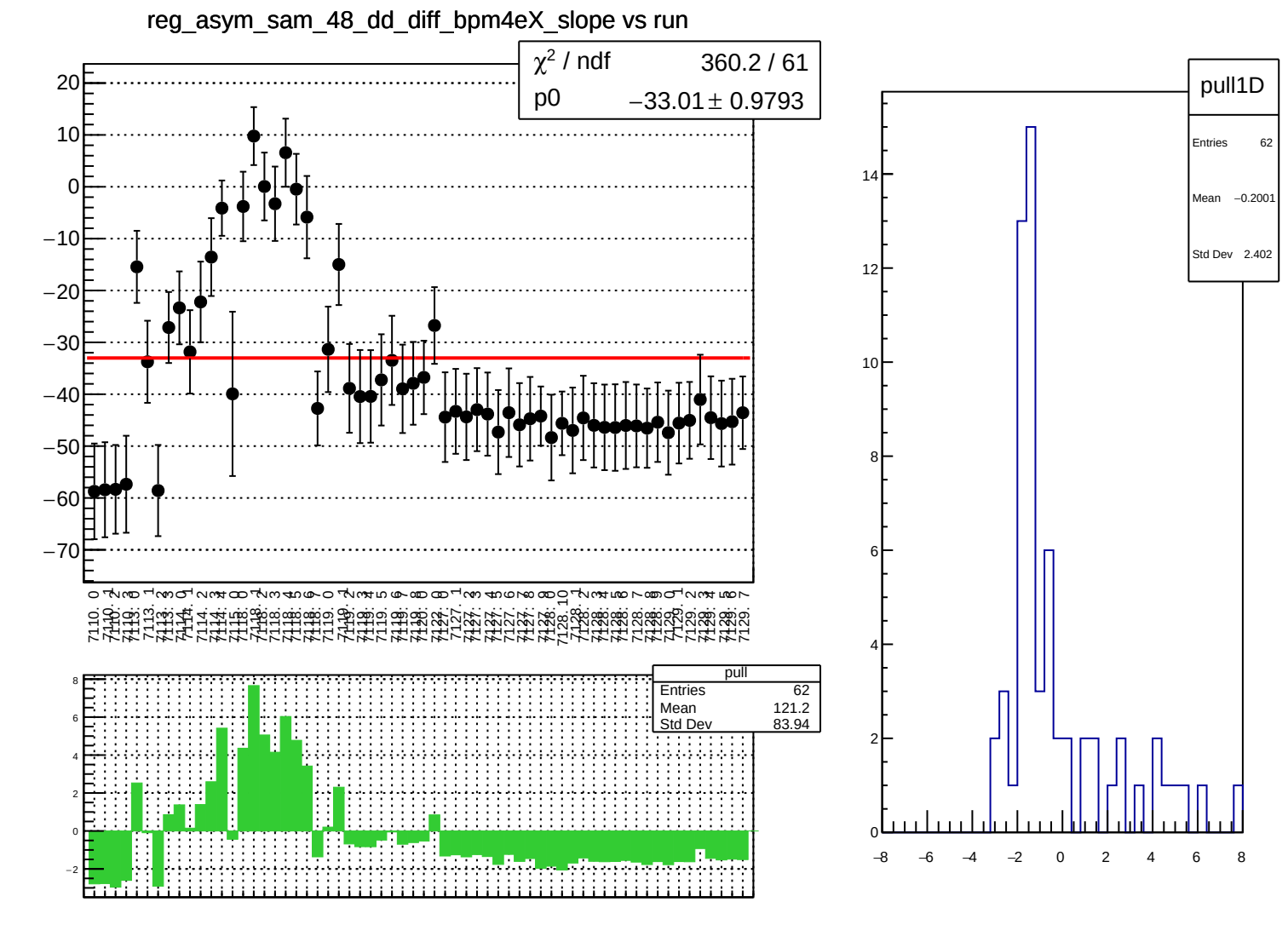

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 128.4 / 61
p0 −0.4311± 0.04917
pull
Entries 62
Mean −175.7
Std Dev 207.3

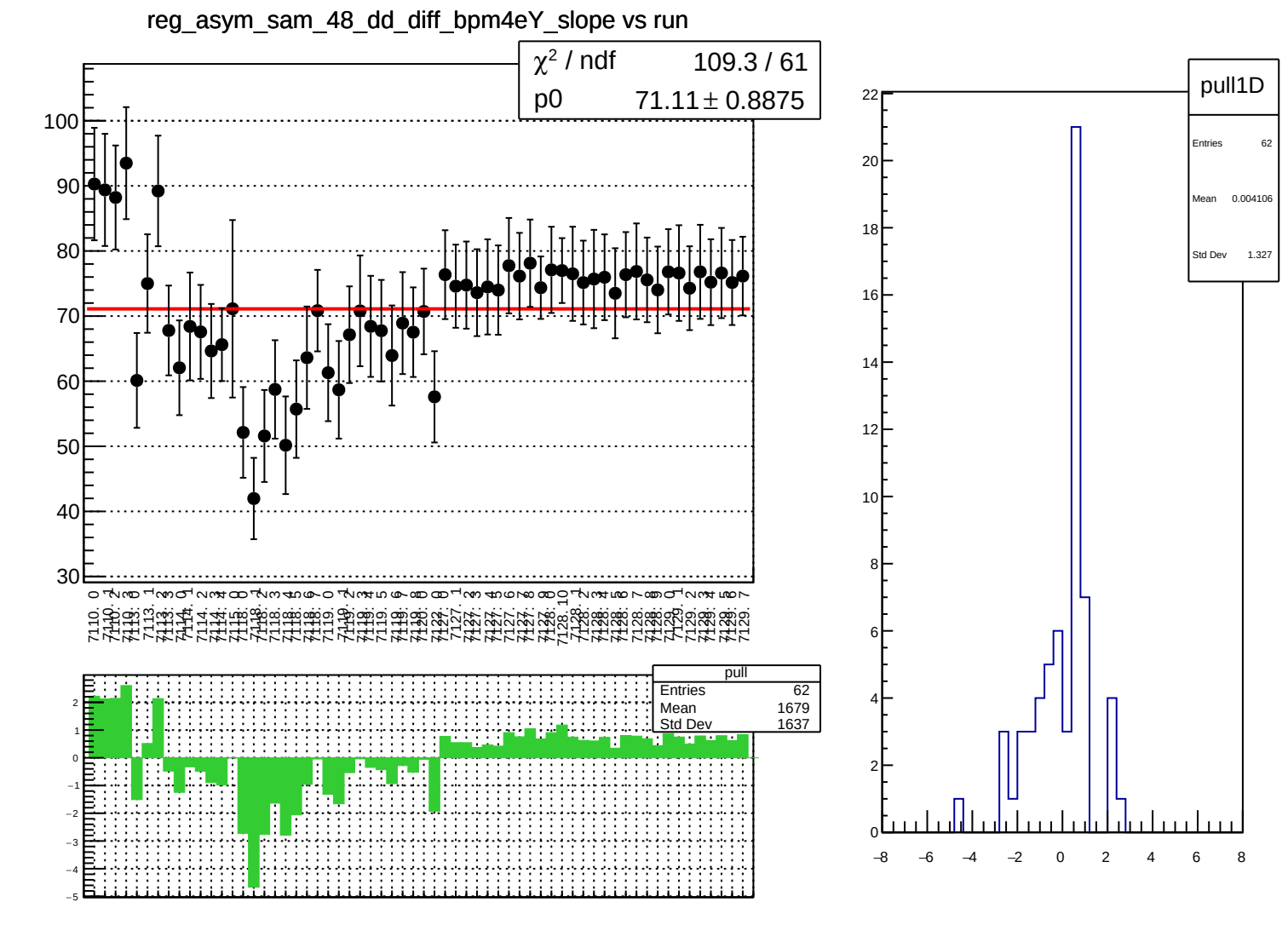

pull1D
Entries 62
Mean −0.08936
Std Dev 1.437

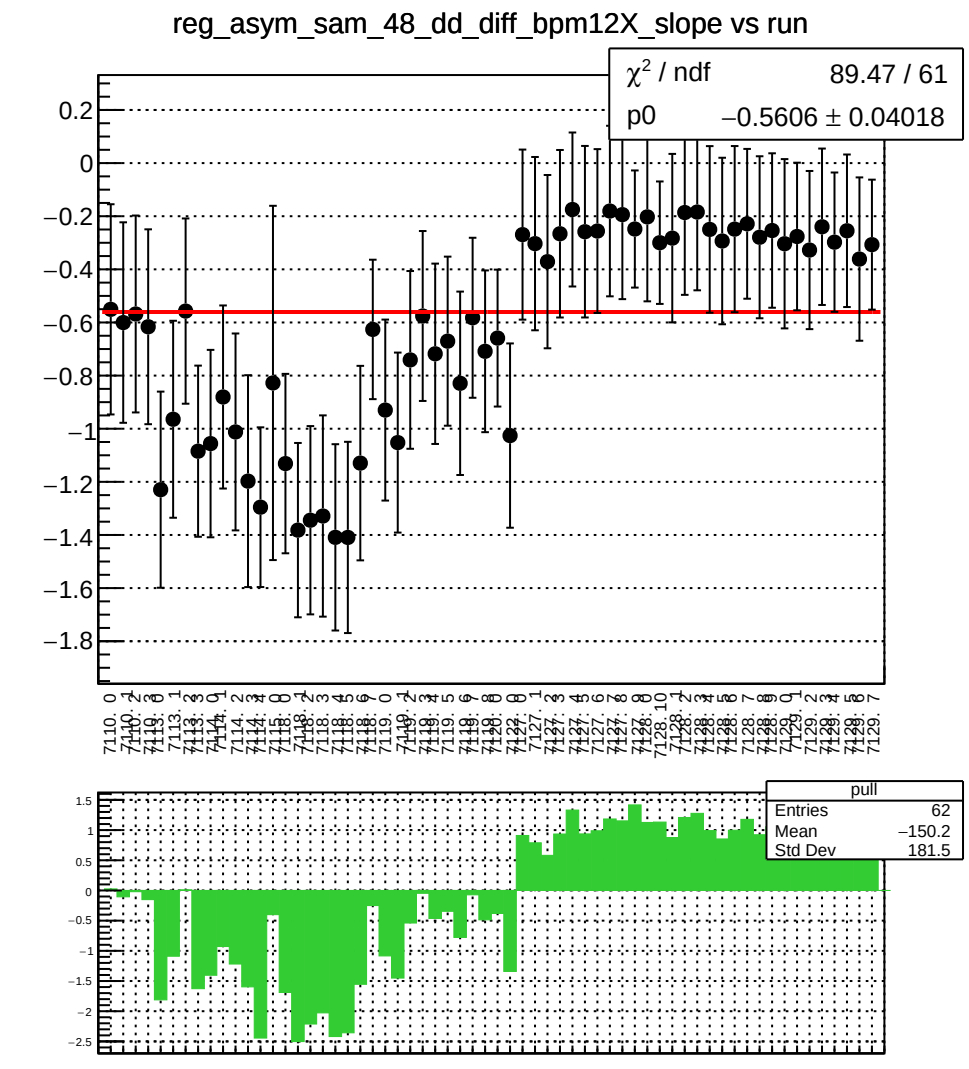

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 597.6 / 61
p0 −33.82 ± 0.9856
pull
Entries 62
Mean 169.2
Std Dev 136.5
pull1D
Entries 62
Mean 0.4011
Std Dev 2.845

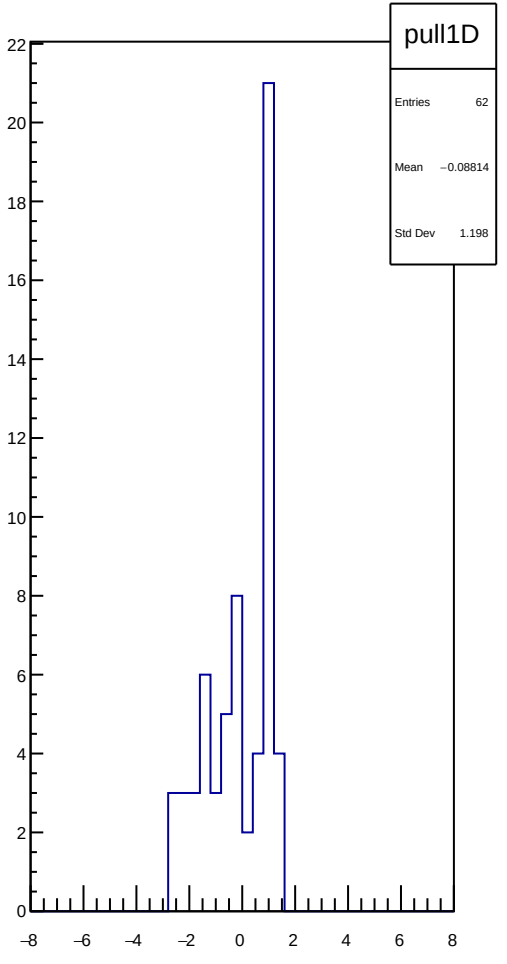

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 175.8 / 61
p0 31.58 ± 0.8406
pull
Entries 62
Mean −1105
Std Dev 1137

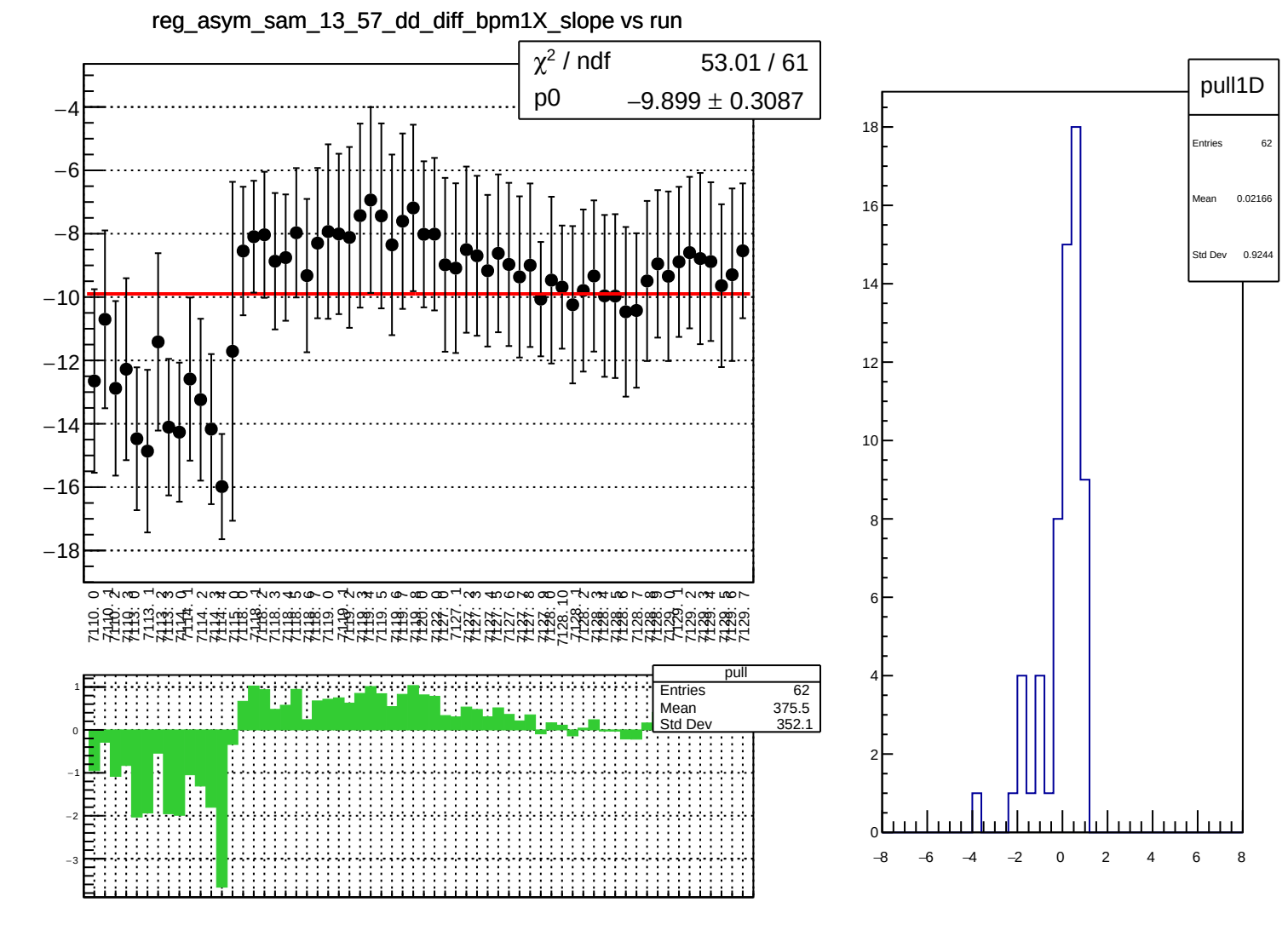

pull1D
Entries 62
Mean 0.01572
Std Dev 1.684

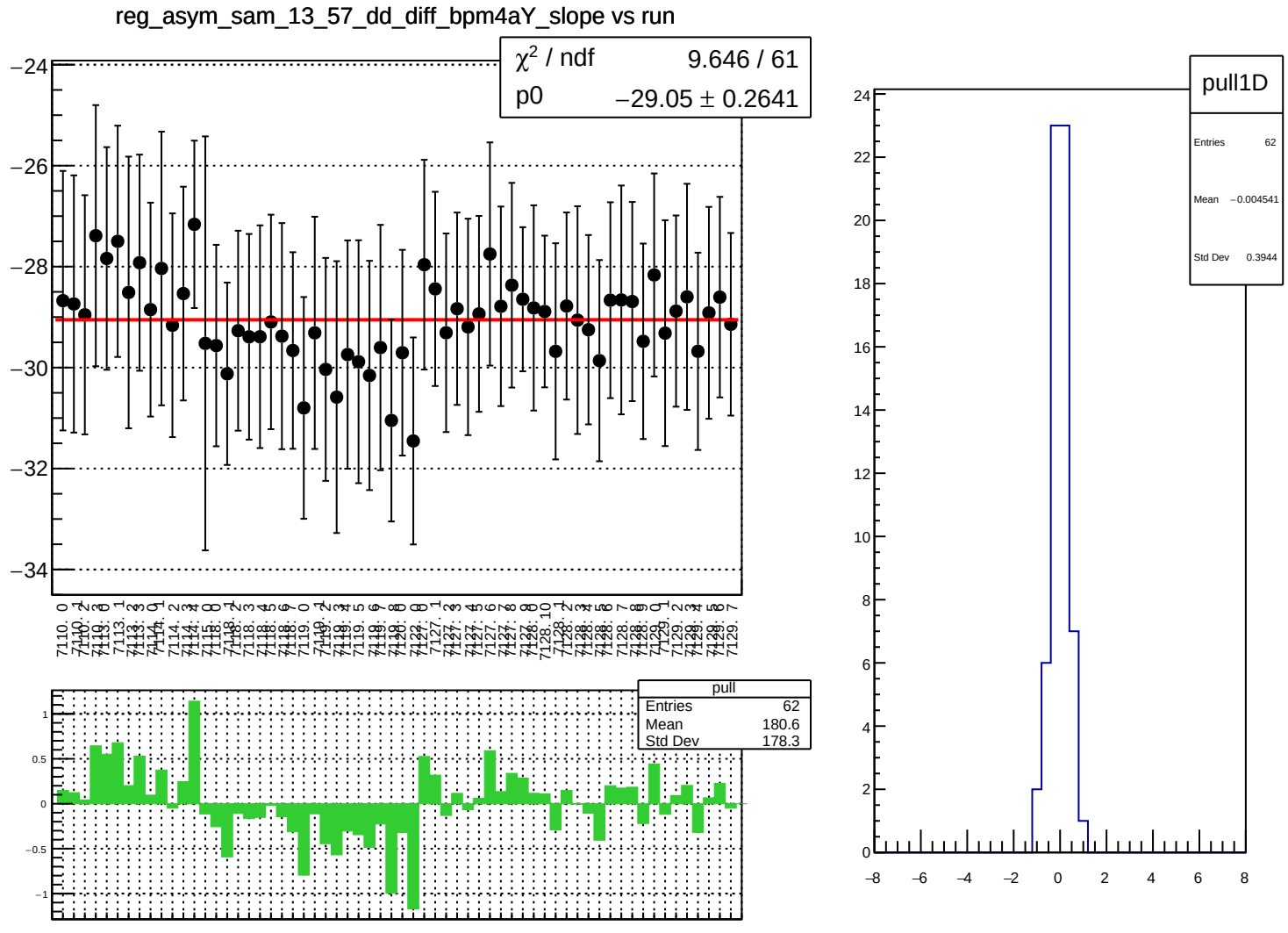

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 360.2 / 61
p0 −33.01 ± 0.9793
pull
Entries 62
Mean 121.2
Std Dev 83.94
pull1D
Entries 62
Mean −0.2001
Std Dev 2.402

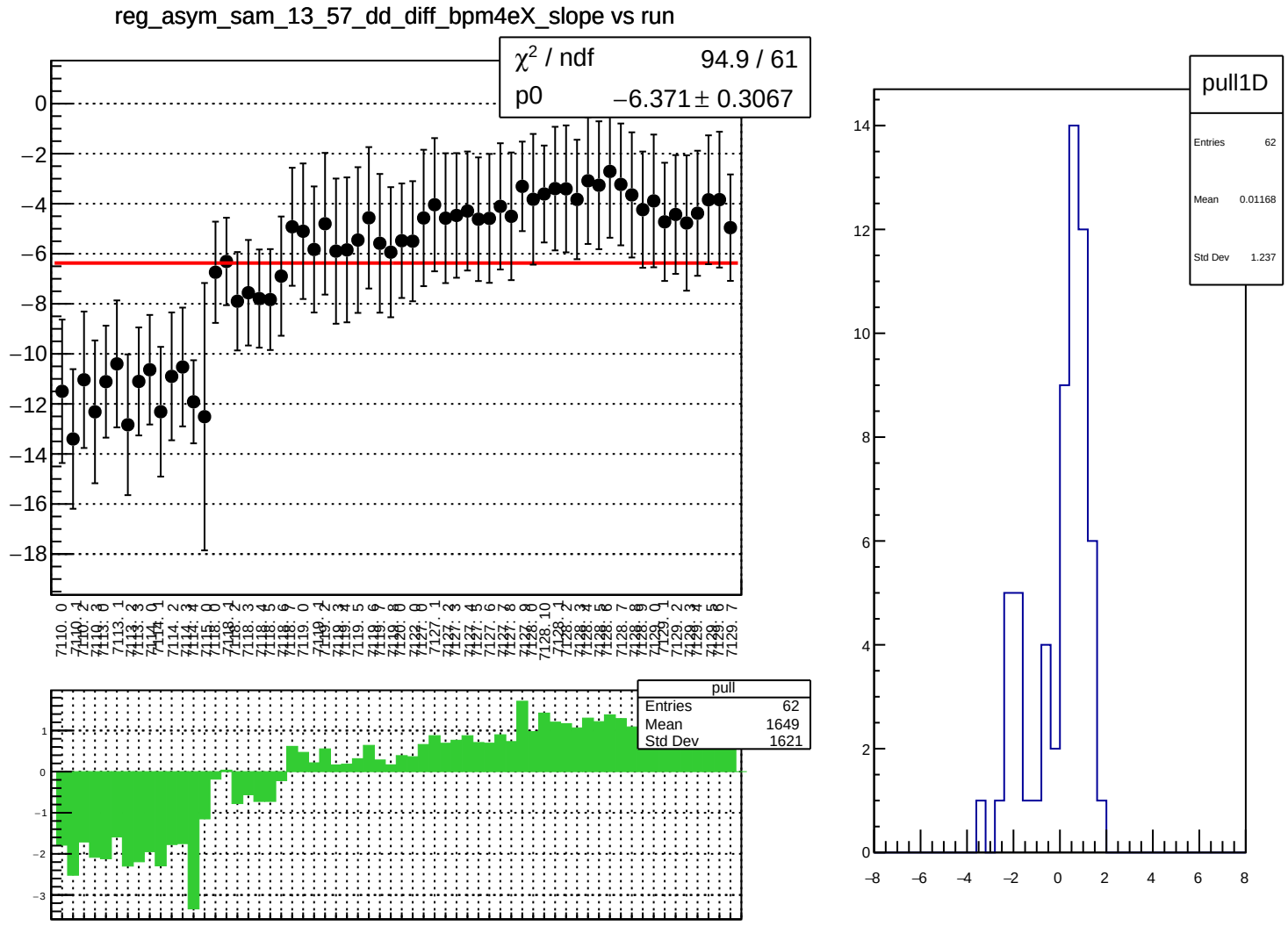

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 109.3 / 61
p0 71.11 ± 0.8875
pull
Entries 62
Mean 1679
Std Dev 1637
pull1D
Entries 62
Mean 0.004106
Std Dev 1.327

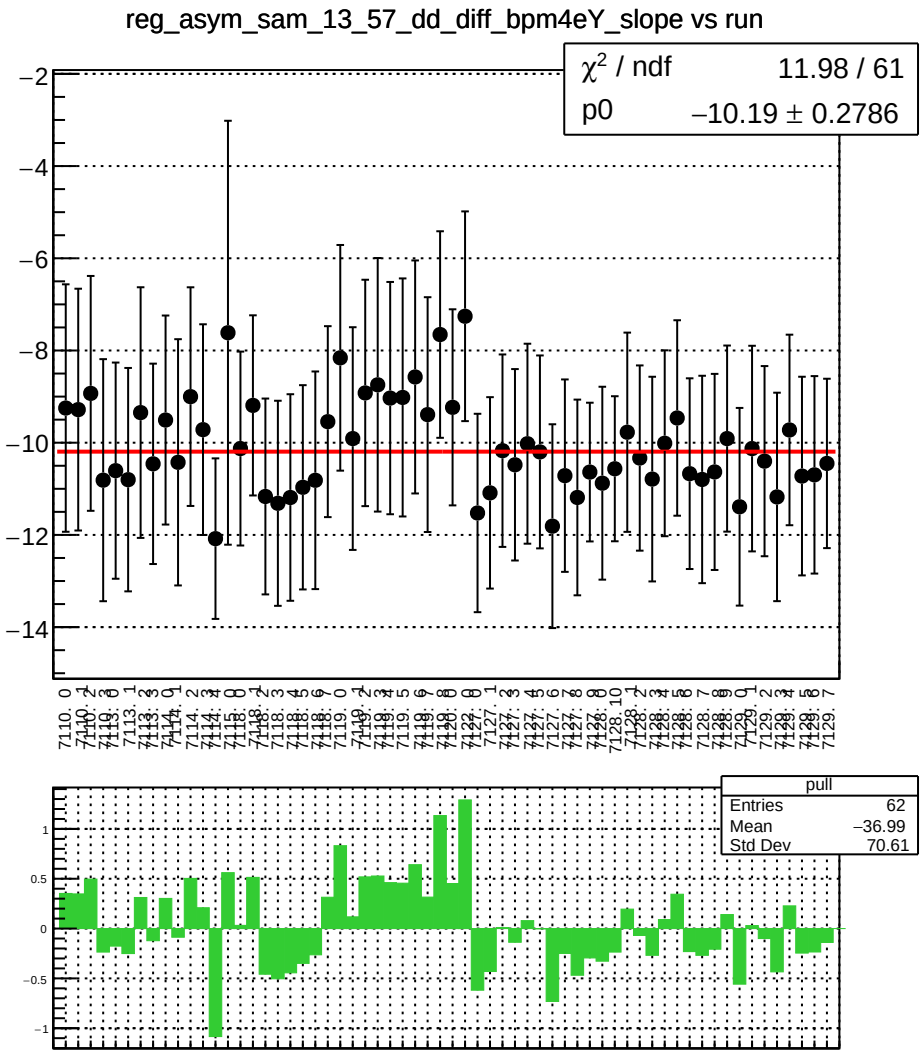

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 89.47 / 61
p0 −0.5606 ± 0.04018
pull
Entries 62
Mean −150.2
Std Dev 181.5

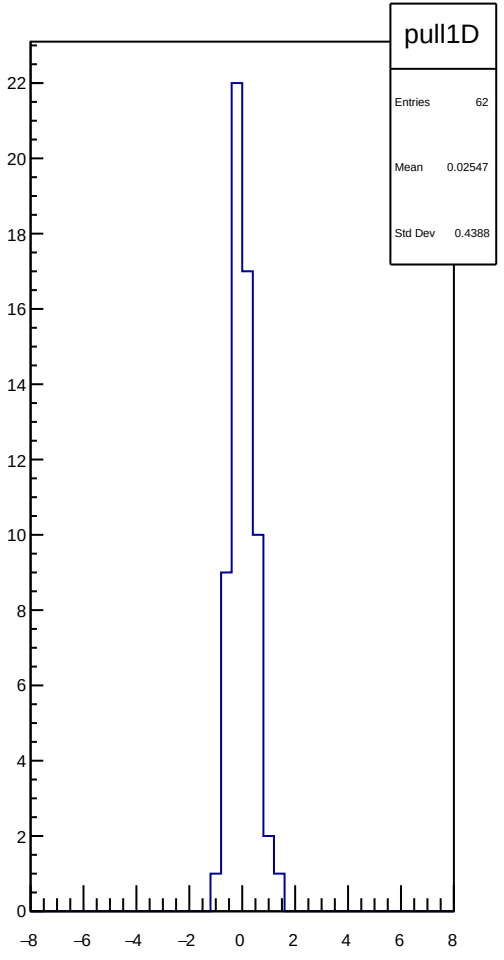

pull1D
Entries 62
Mean −0.08814
Std Dev 1.198

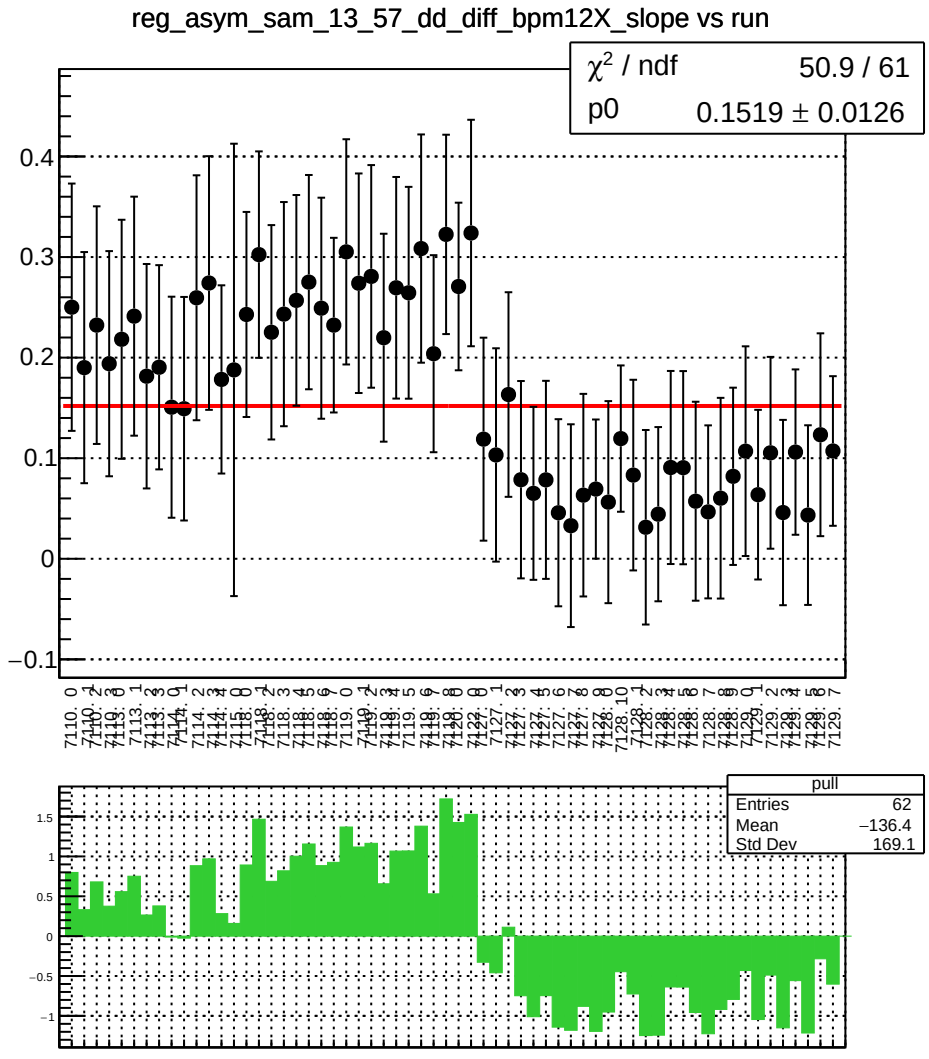

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 53.01 / 61
p0 −9.899 ± 0.3087
pull
Entries 62
Mean 375.5
Std Dev 352.1
pull1D
Entries 62
Mean 0.02166
Std Dev 0.9244

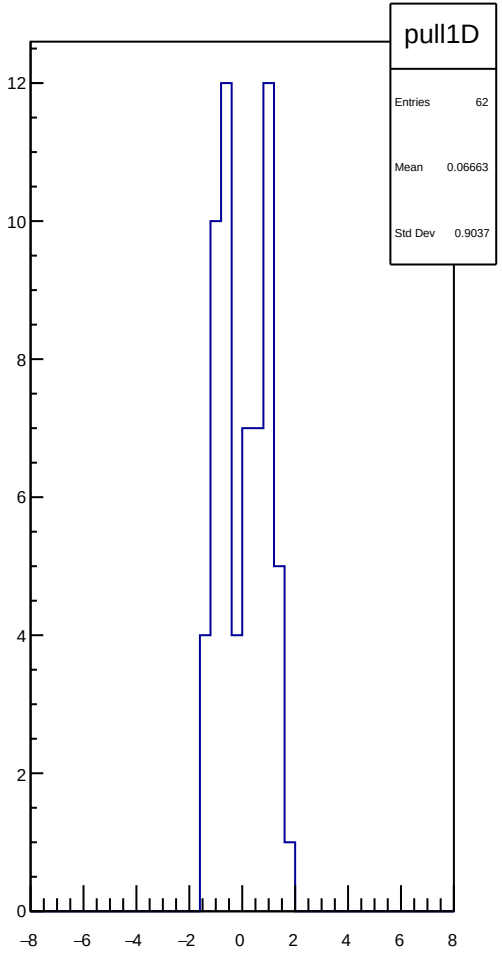

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.646 / 61
p0 −29.05 ± 0.2641
pull
Entries 62
Mean 180.6
Std Dev 178.3
pull1D
Entries 62
Mean −0.004541
Std Dev 0.3944

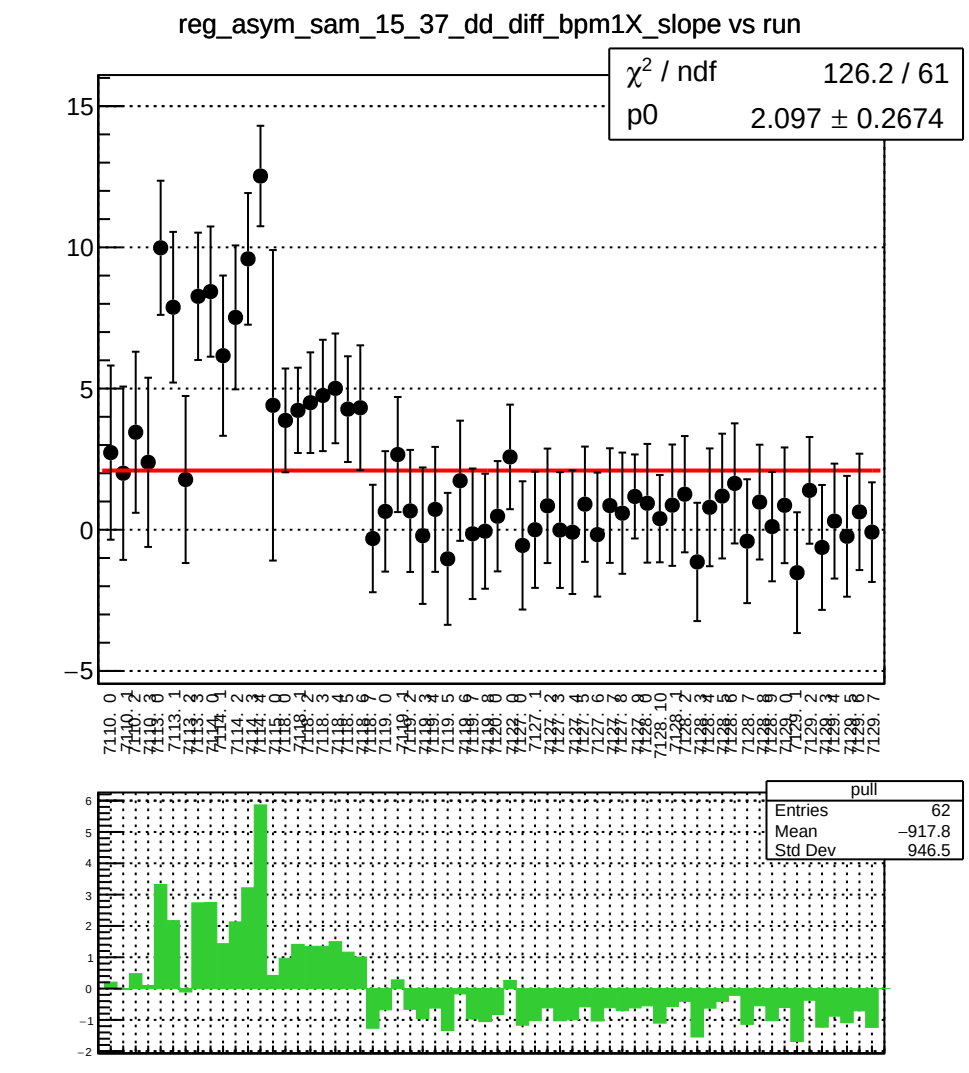

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 94.9 / 61
p0 −6.371 ± 0.3067
pull
Entries 62
Mean 1649
Std Dev 1621
pull1D
Entries 62
Mean 0.01168
Std Dev 1.237

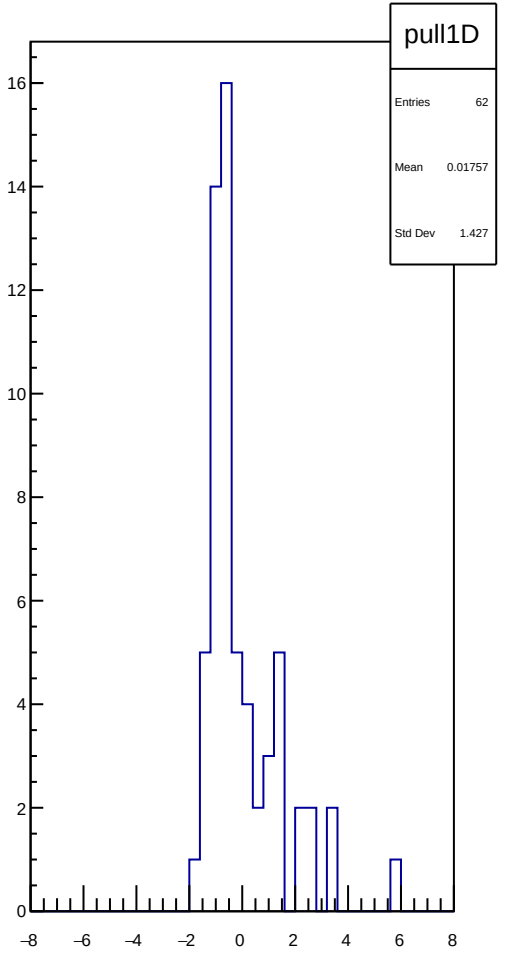

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.98 / 61
p0 −10.19 ± 0.2786
pull
Entries 62
Mean −36.99
Std Dev 70.61

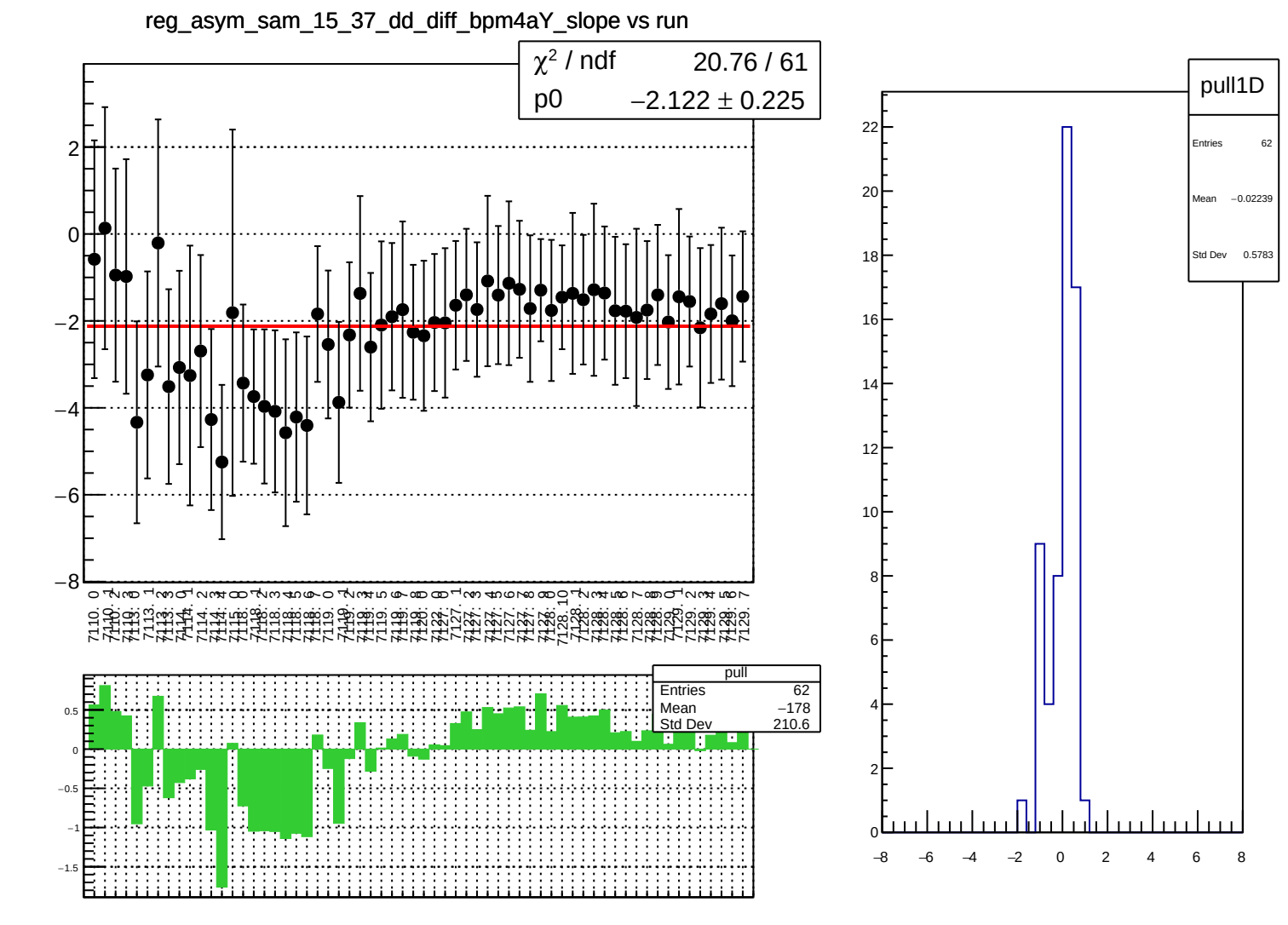

pull1D
Entries 62
Mean 0.02547
Std Dev 0.4388

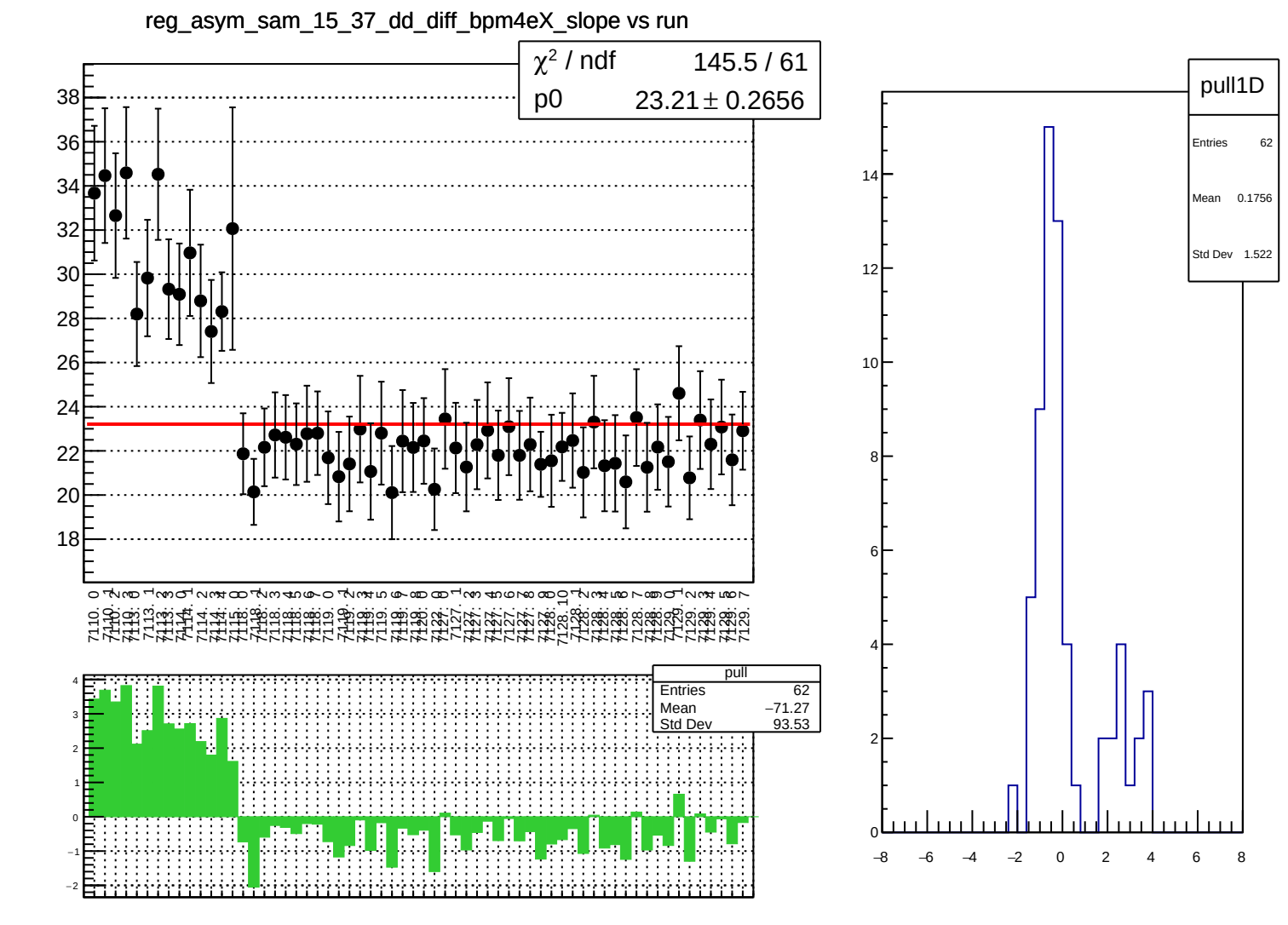

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 50.9 / 61
p0 0.1519 ± 0.0126
pull
Entries 62
Mean −136.4
Std Dev 169.1

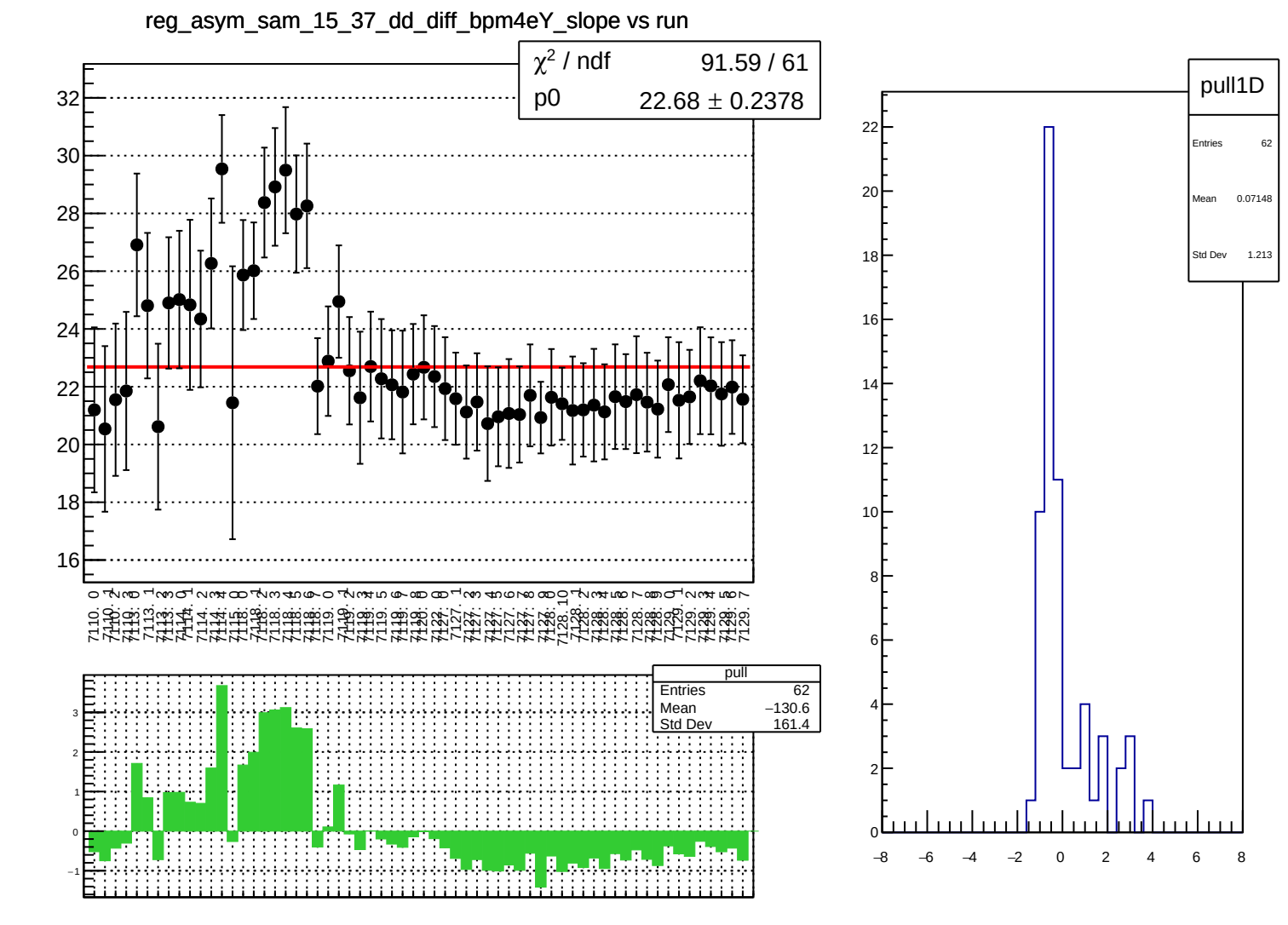

pull1D
Entries 62
Mean 0.06663
Std Dev 0.9037

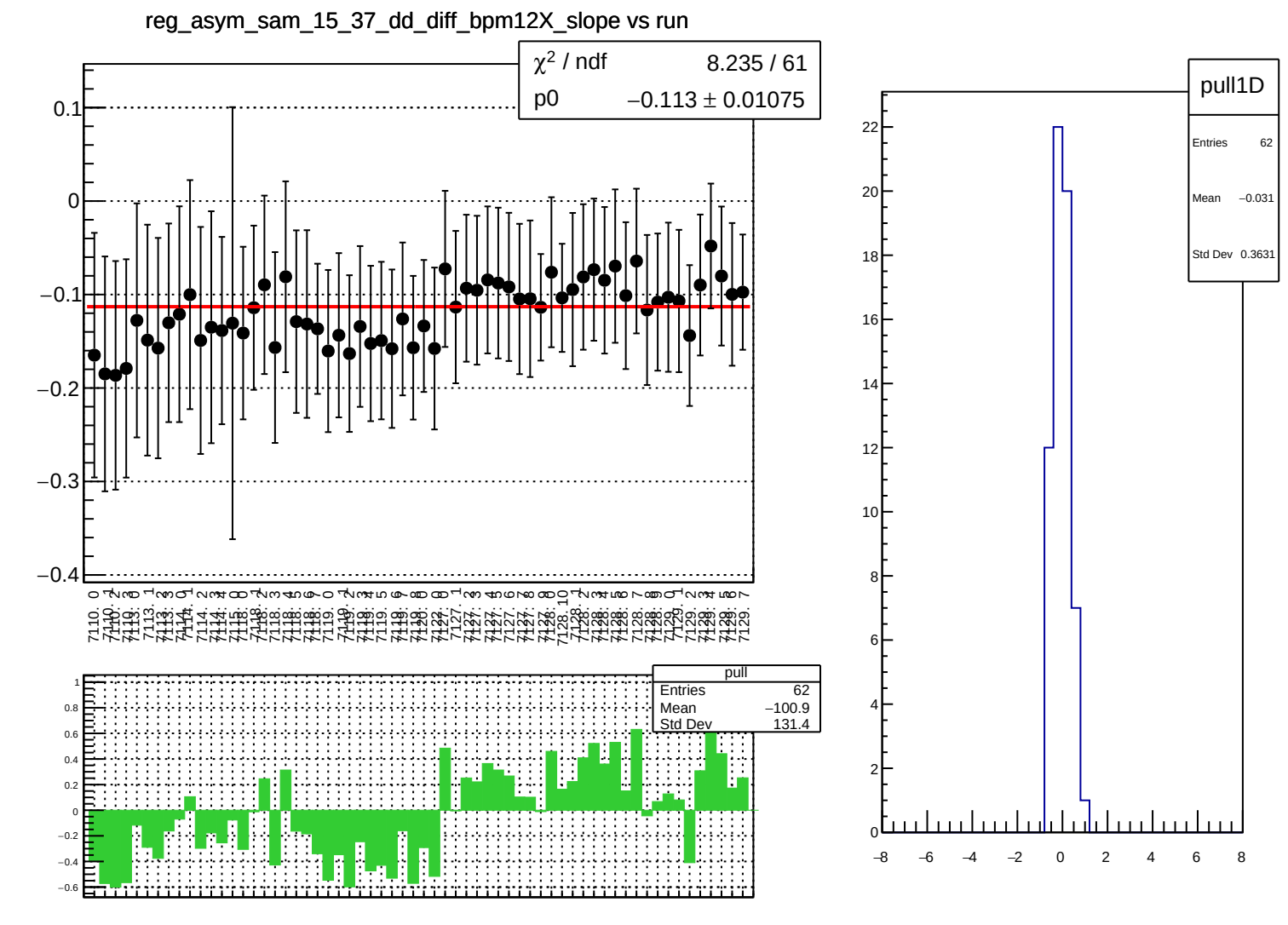

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 126.2 / 61
p0 2.097 ± 0.2674
pull
Entries 62
Mean −917.8
Std Dev 946.5

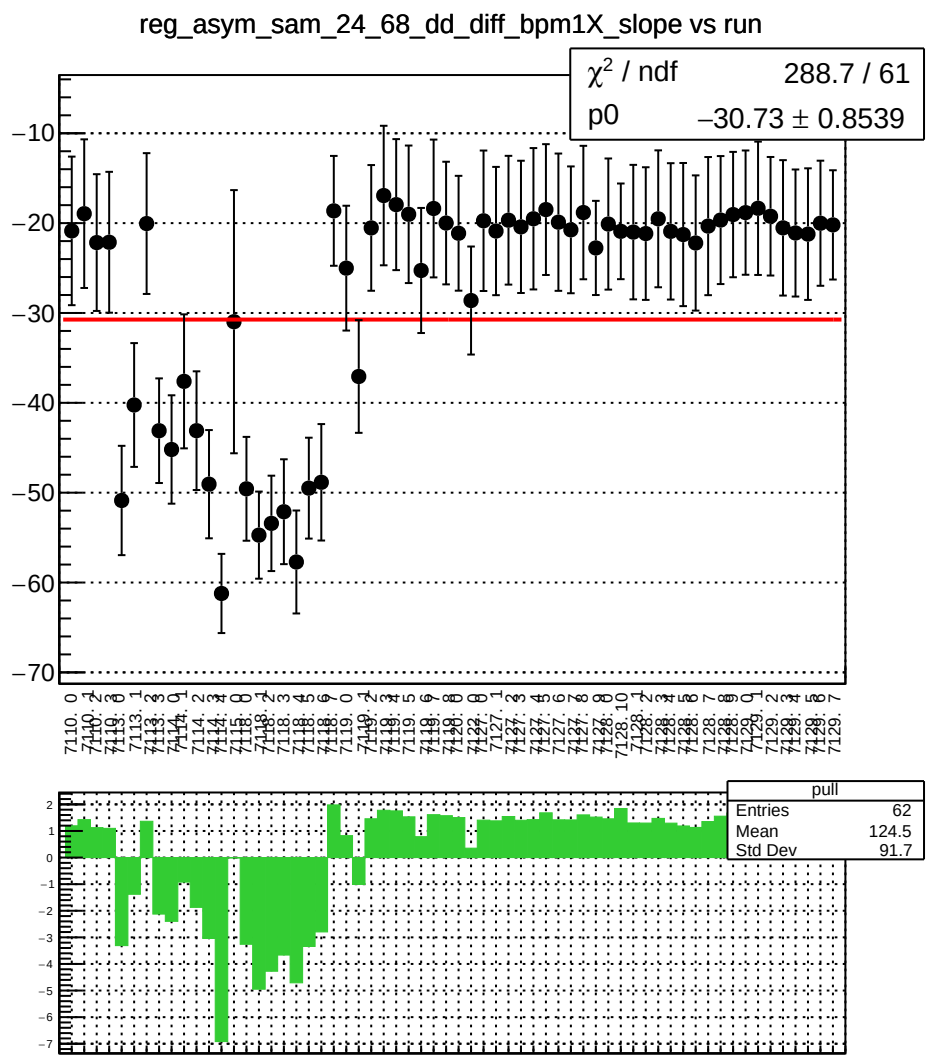

pull1D
Entries 62
Mean 0.01757
Std Dev 1.427

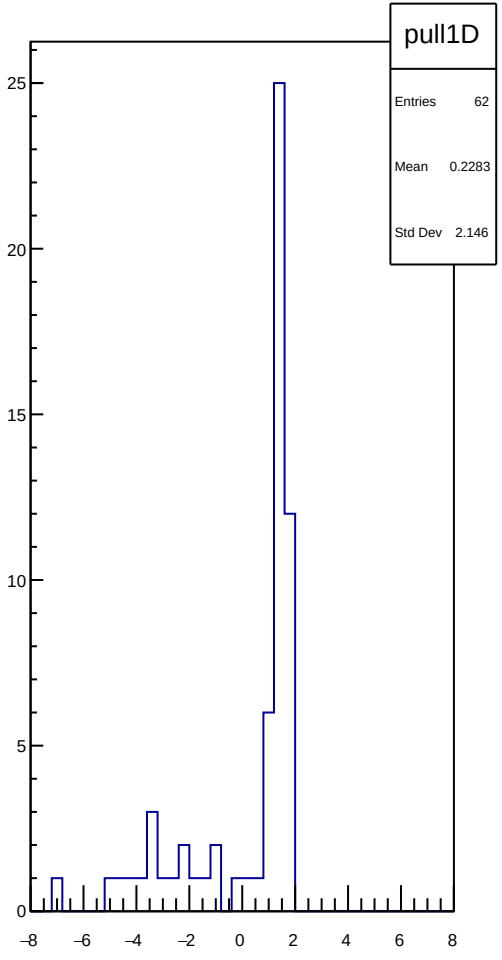

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.76 / 61
p0 −2.122 ± 0.225
pull
Entries 62
Mean −178
Std Dev 210.6
pull1D
Entries 62
Mean −0.02239
Std Dev 0.5783

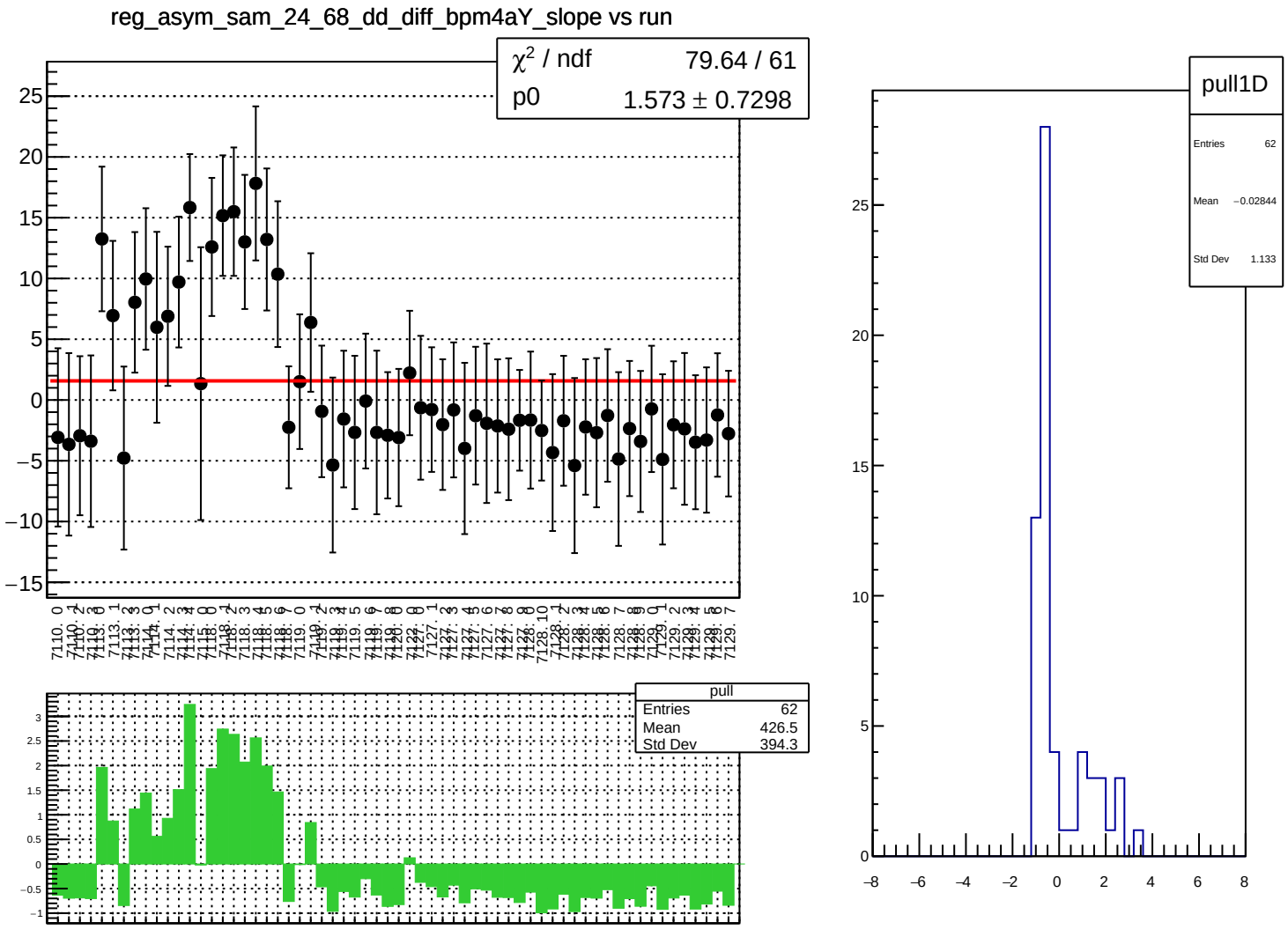

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 145.5 / 61
p0 23.21 ± 0.2656
pull
Entries 62
Mean −71.27
Std Dev 93.53
pull1D
Entries 62
Mean 0.1756
Std Dev 1.522

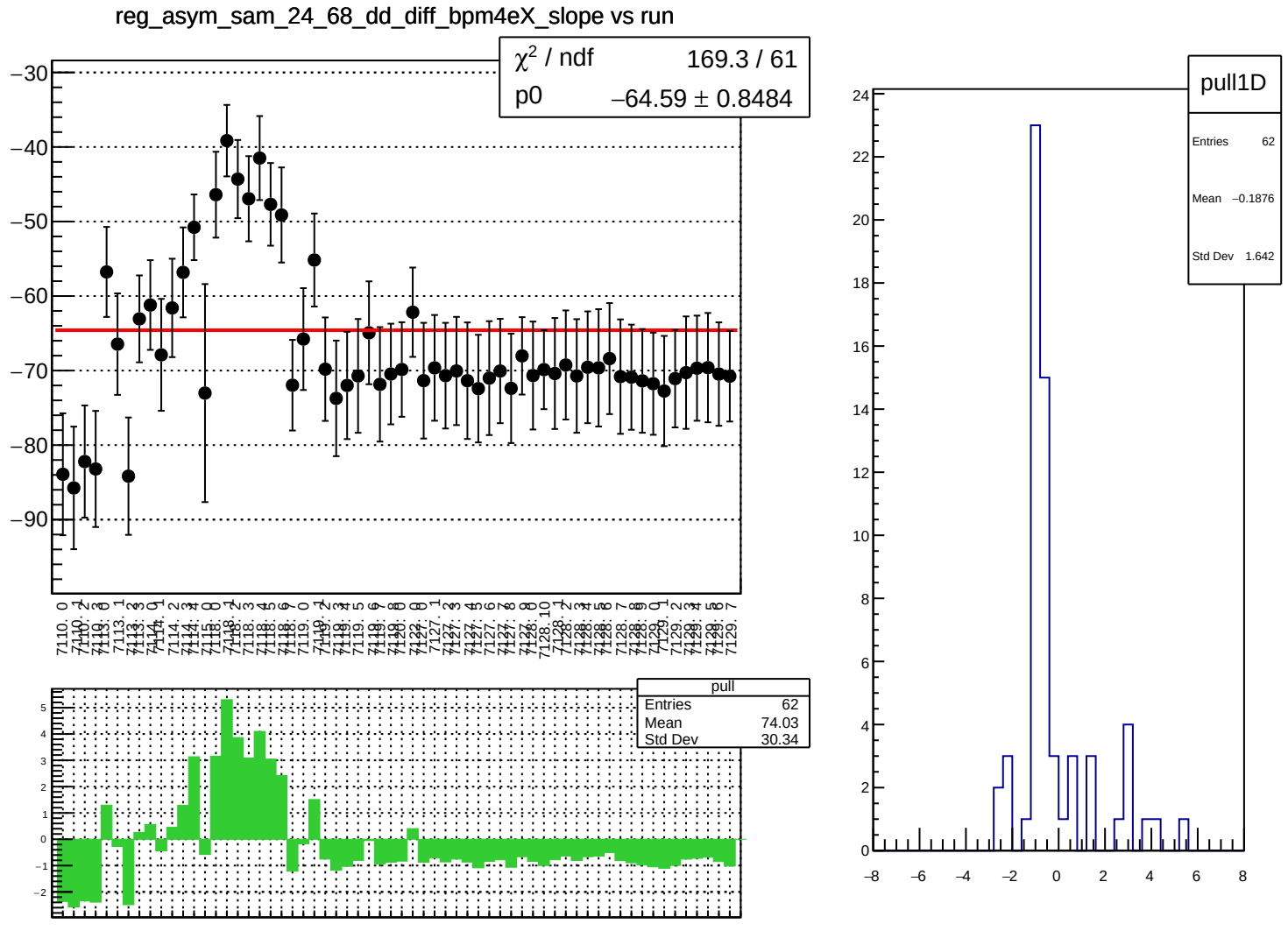

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 91.59 / 61
p0 22.68 ± 0.2378
pull
Entries 62
Mean −130.6
Std Dev 161.4
pull1D
Entries 62
Mean 0.07148
Std Dev 1.213

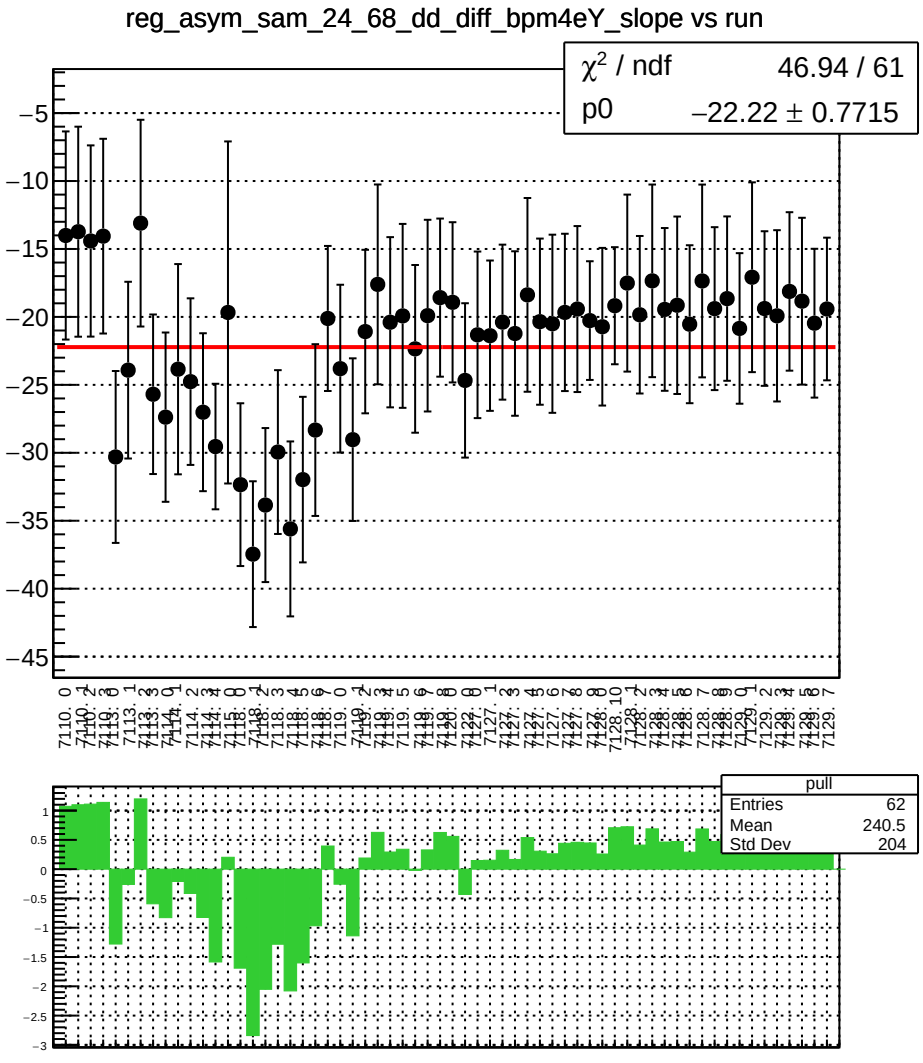

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 8.235 / 61
p0 −0.113 ± 0.01075
pull
Entries 62
Mean −100.9
Std Dev 131.4
pull1D
Entries 62
Mean −0.031
Std Dev 0.3631

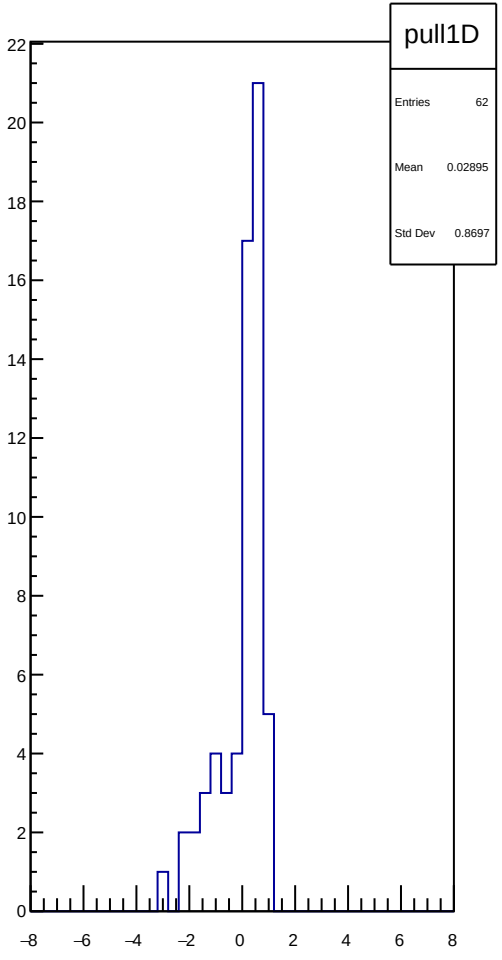

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 288.7 / 61
p0 −30.73 ± 0.8539
pull
Entries 62
Mean 124.5
Std Dev 91.7

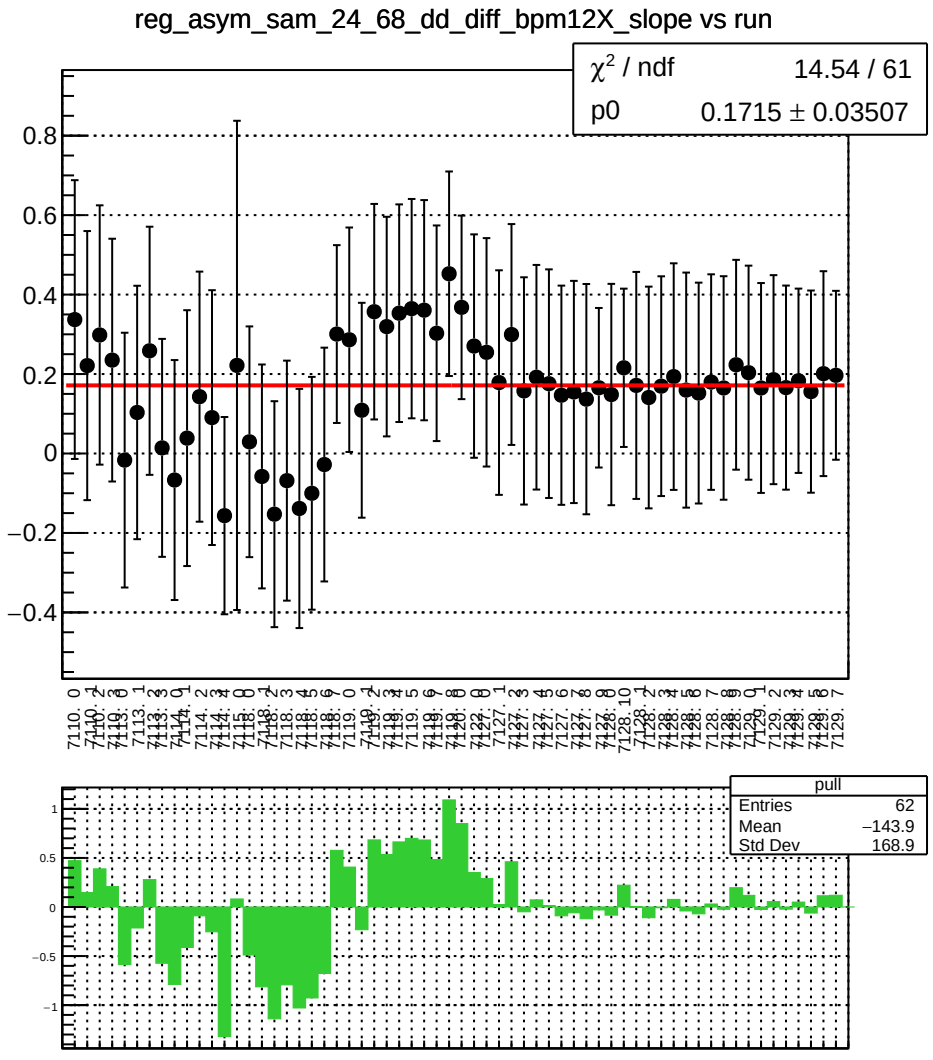

pull1D
Entries 62
Mean 0.2283
Std Dev 2.146

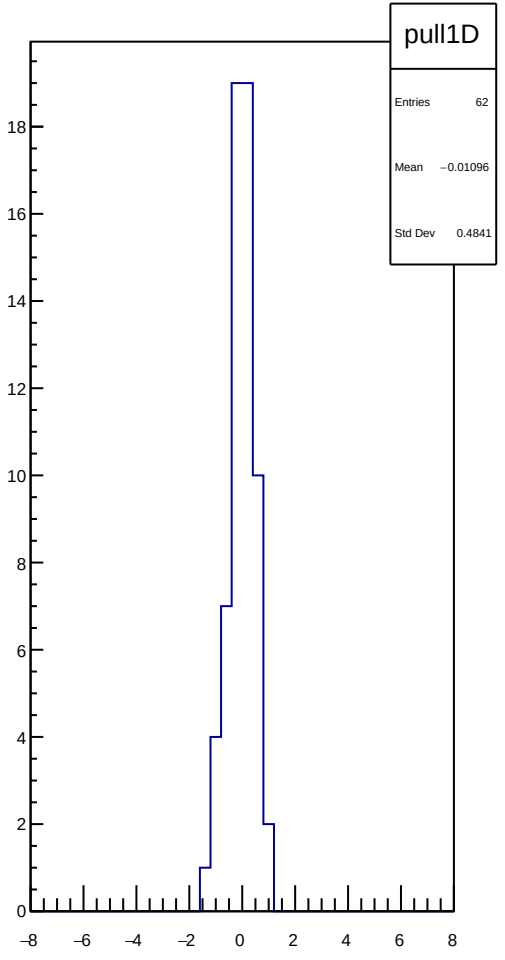

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.64 / 61
p0 1.573 ± 0.7298
pull
Entries 62
Mean 426.5
Std Dev 394.3
pull1D
Entries 62
Mean −0.02844
Std Dev 1.133

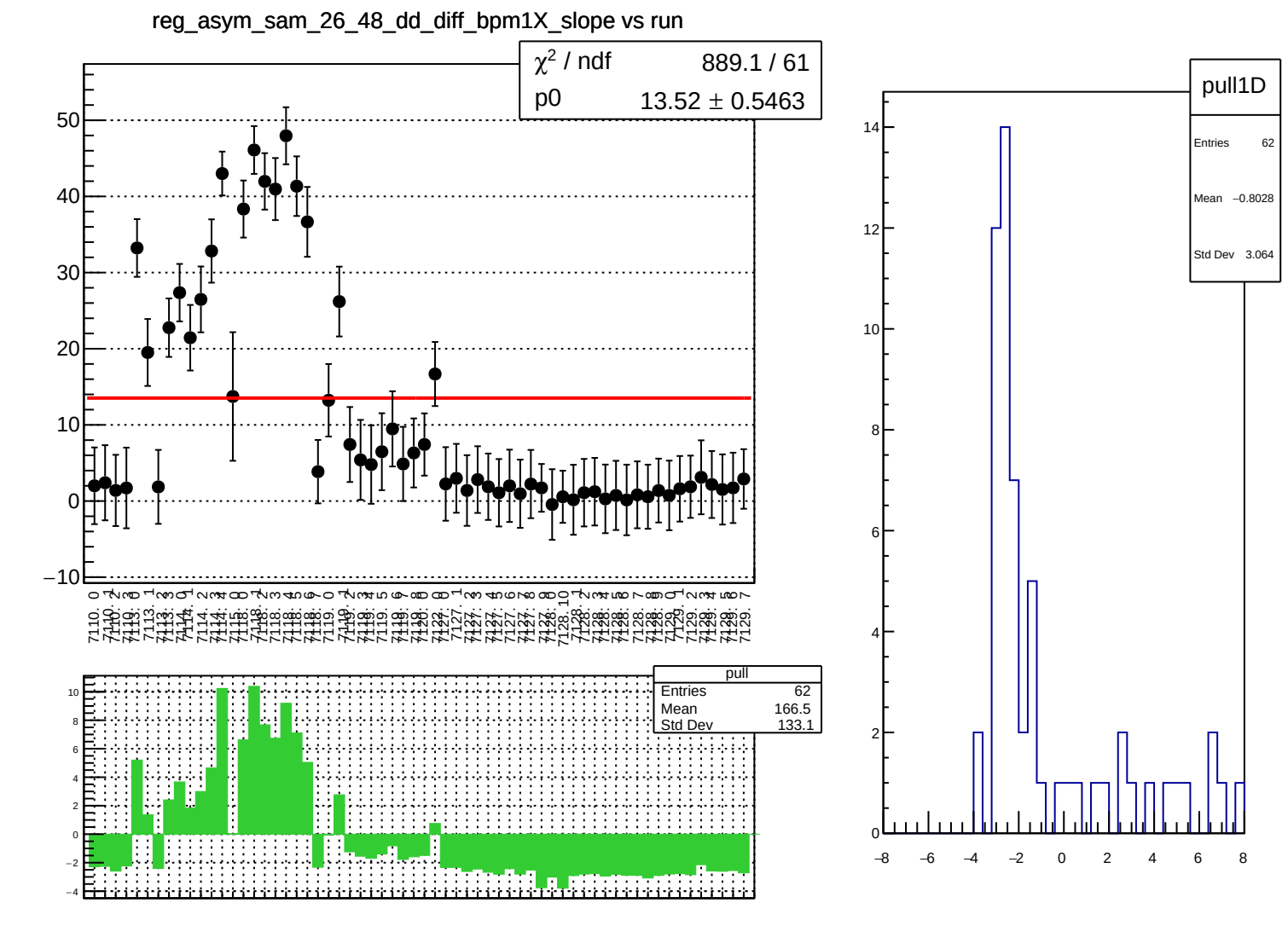

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 169.3 / 61
p0 −64.59 ± 0.8484
pull
Entries 62
Mean 74.03
Std Dev 30.34
pull1D
Entries 62
Mean −0.1876
Std Dev 1.642

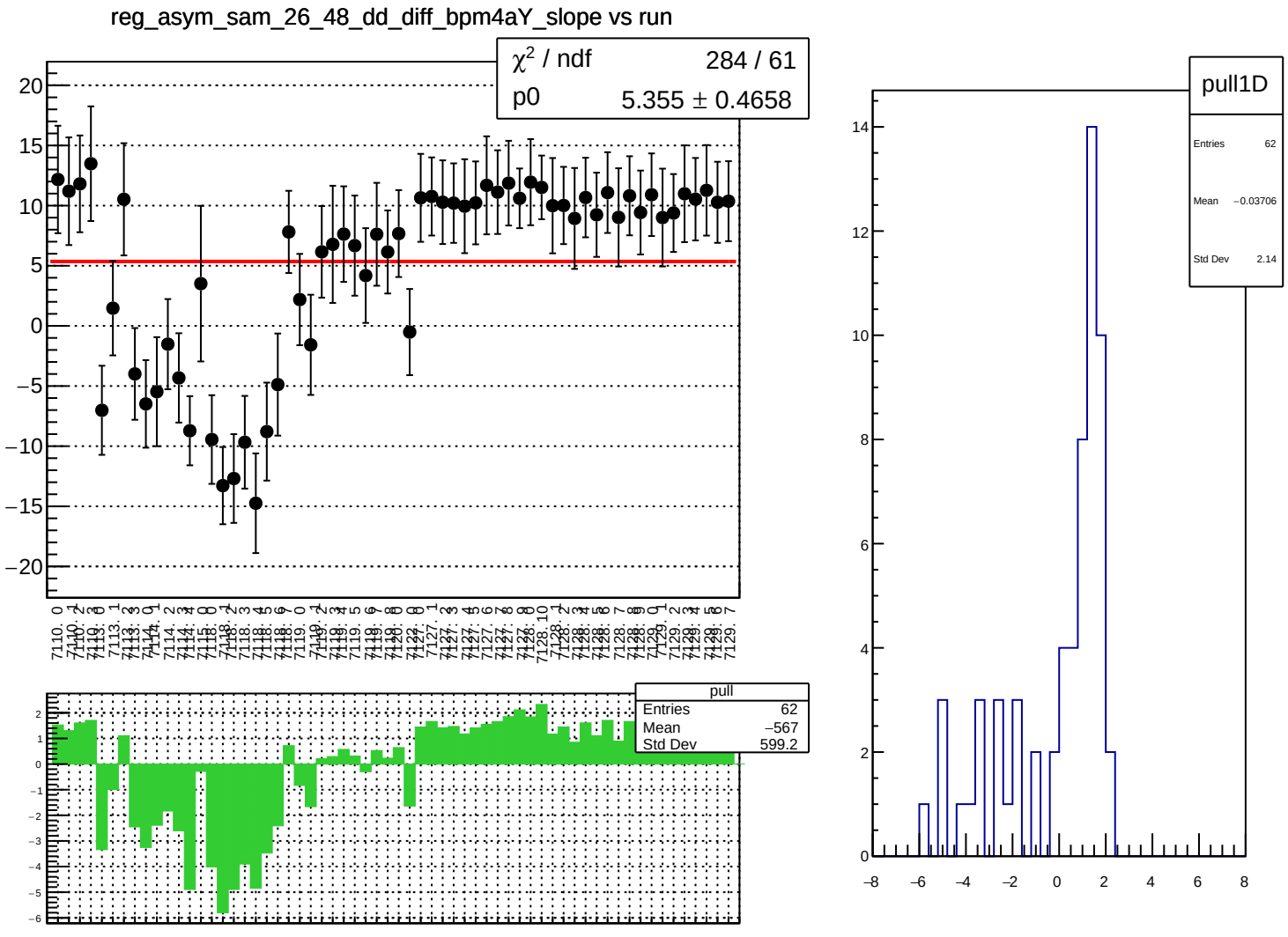

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.94 / 61
p0 −22.22 ± 0.7715
pull
Entries 62
Mean 240.5
Std Dev 204

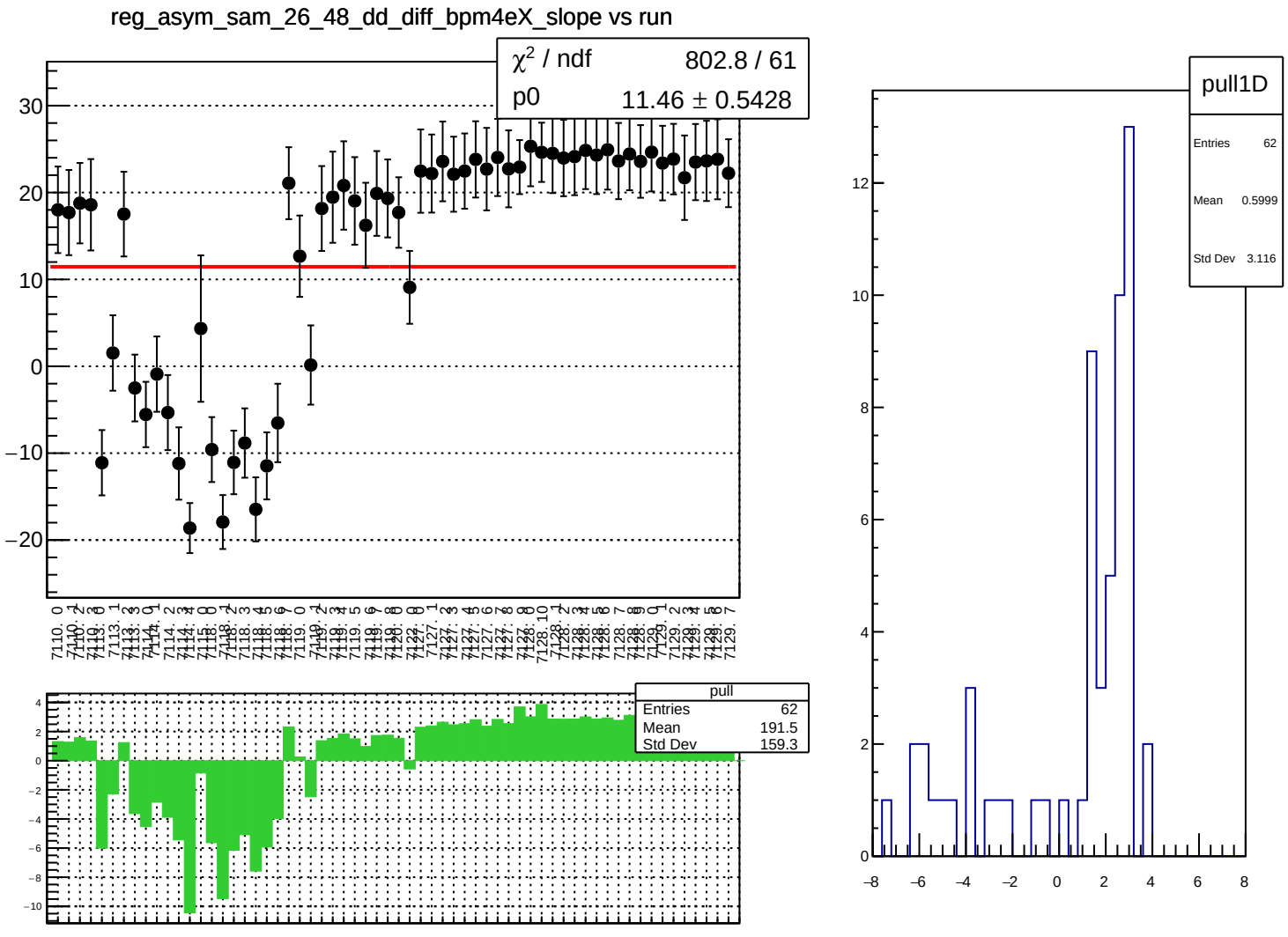

pull1D
Entries 62
Mean 0.02895
Std Dev 0.8697

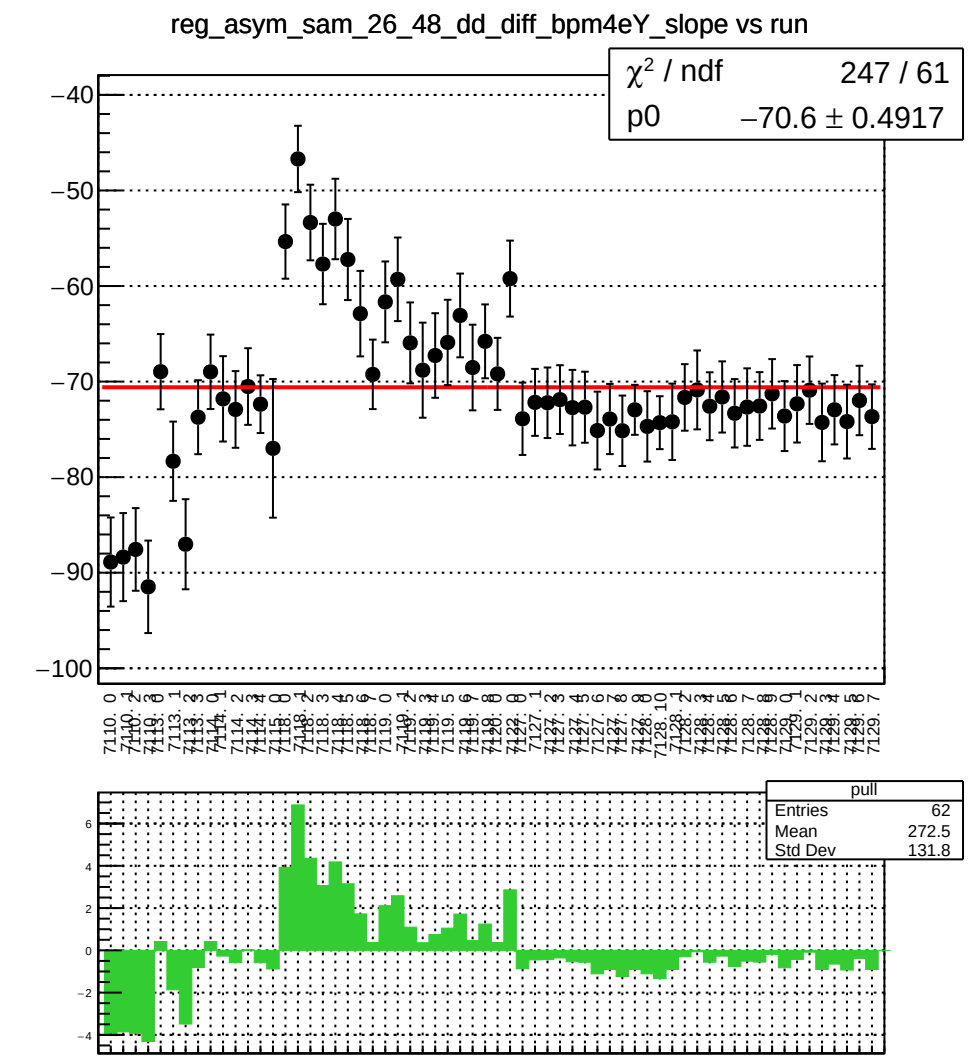

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 14.54 / 61
p0 0.1715 ± 0.03507
pull
Entries 62
Mean −143.9
Std Dev 168.9

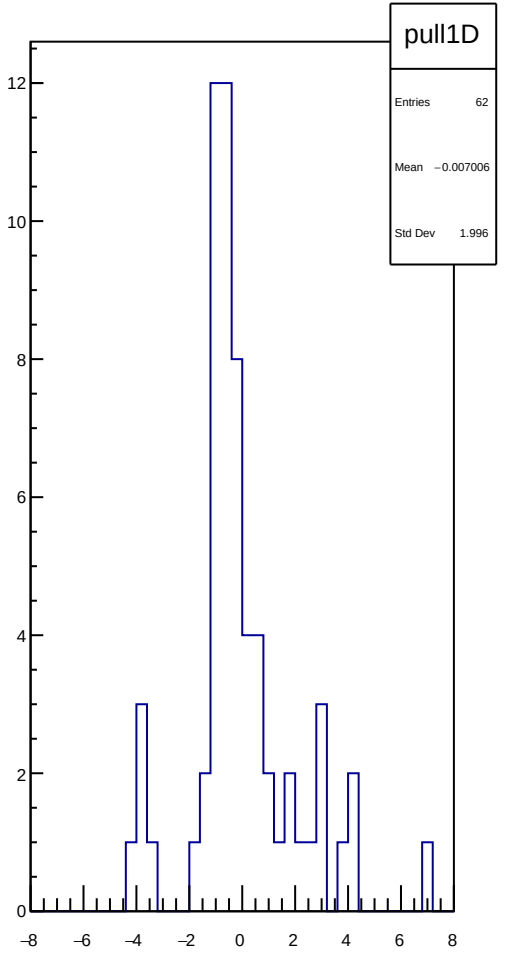

pull1D
Entries 62
Mean −0.01096
Std Dev 0.4841

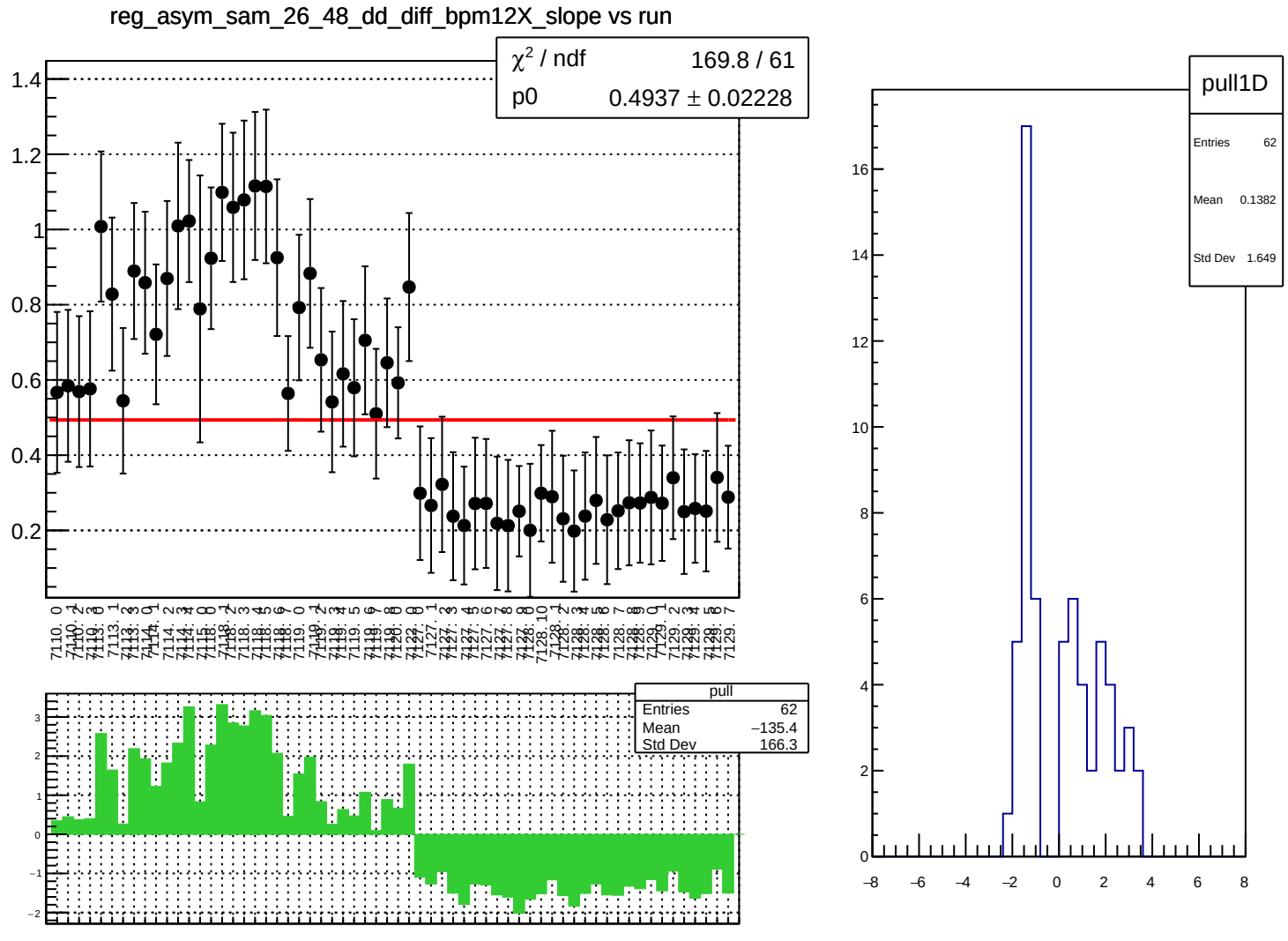

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 889.1 / 61
p0 13.52 ± 0.5463
pull
Entries 62
Mean 166.5
Std Dev 133.1
pull1D
Entries 62
Mean −0.8028
Std Dev 3.064

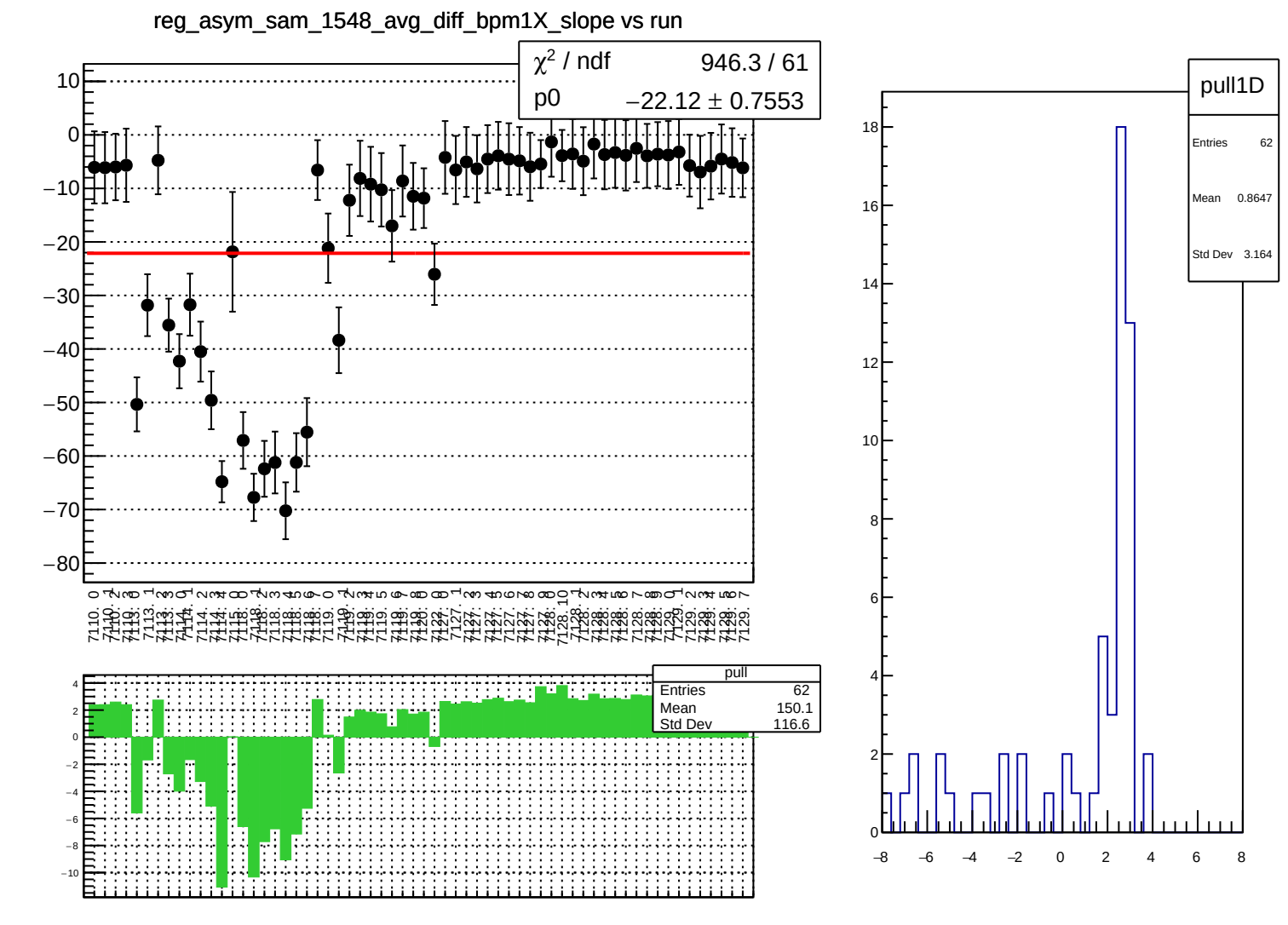

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 284 / 61
p0 5.355 ± 0.4658
pull
Entries 62
Mean −567
Std Dev 599.2
pull1D
Entries 62
Mean −0.03706
Std Dev 2.14

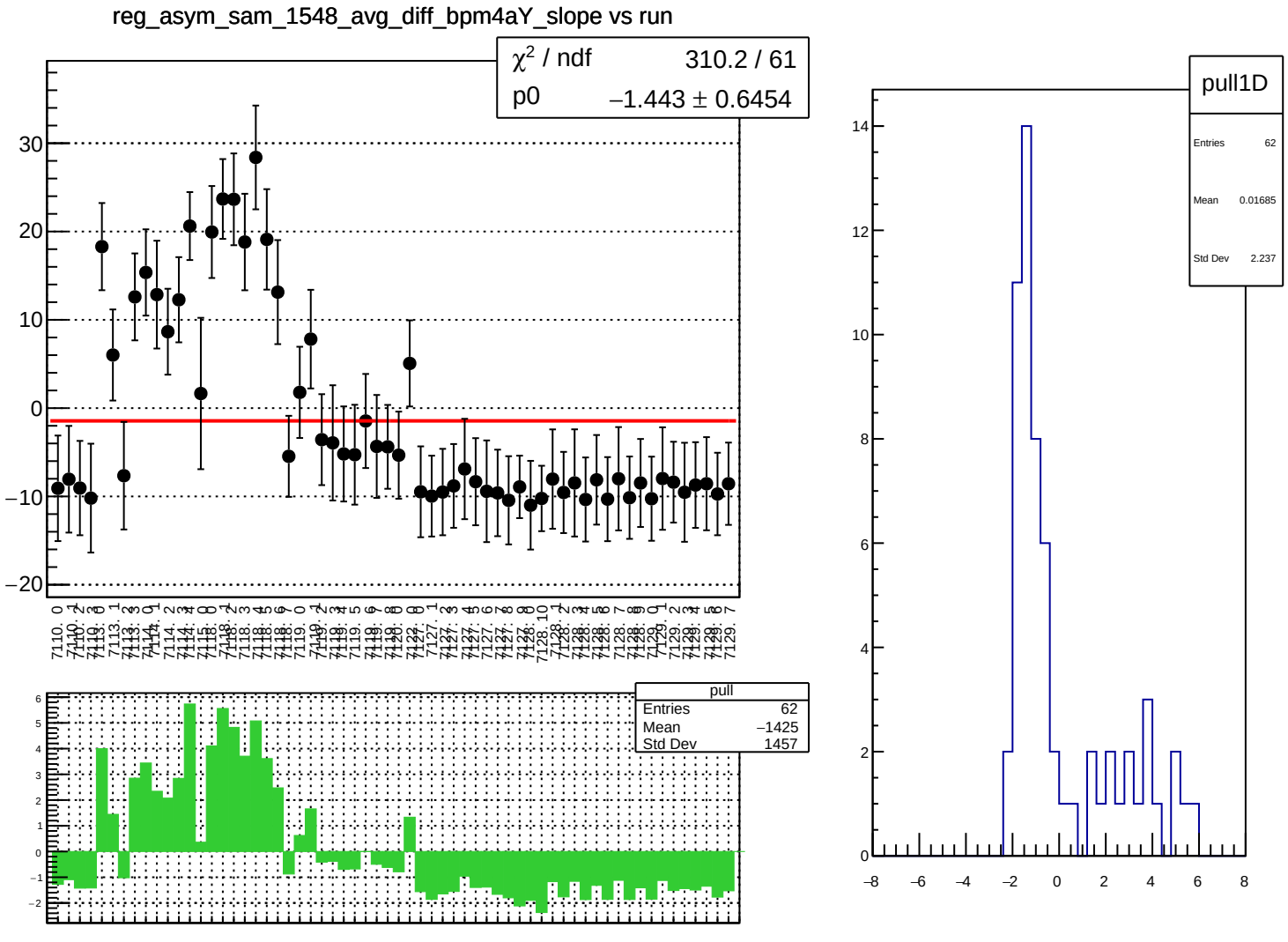

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 802.8 / 61
p0 11.46 ± 0.5428
pull
Entries 62
Mean 191.5
Std Dev 159.3
pull1D
Entries 62
Mean 0.5999
Std Dev 3.116

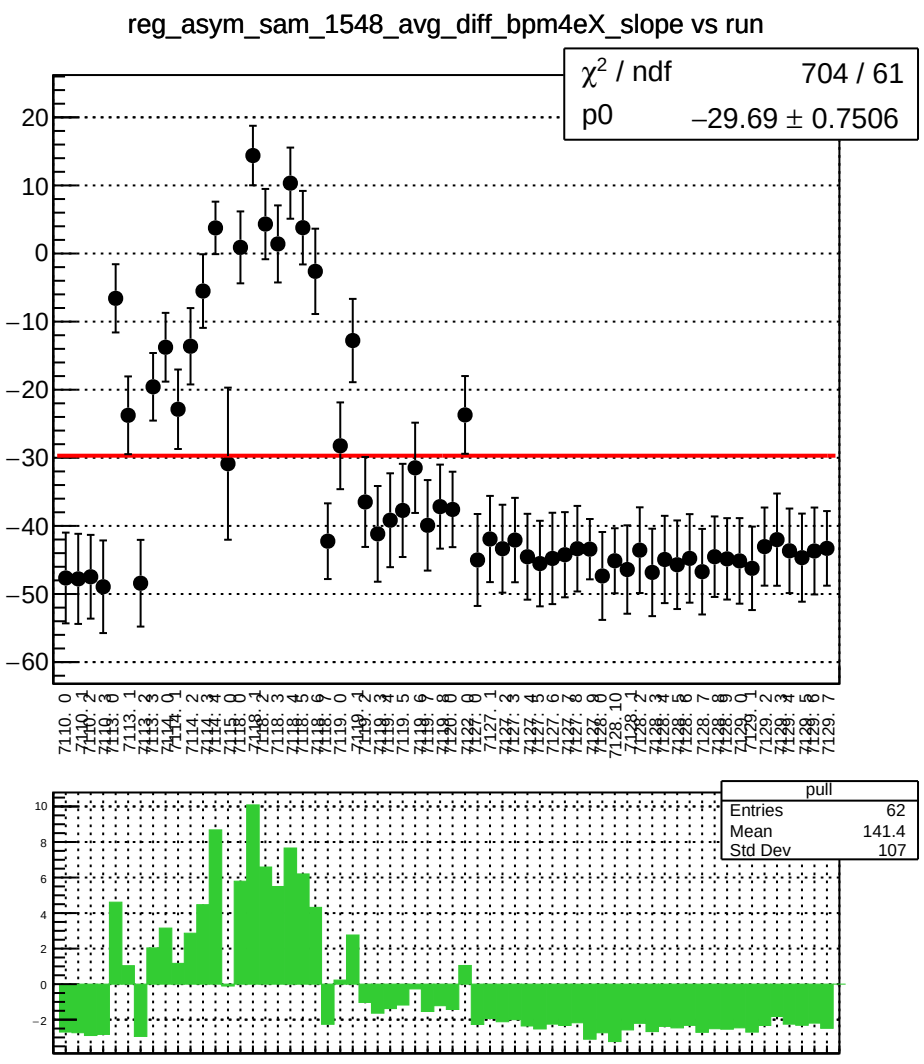

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 247 / 61
p0 −70.6 ± 0.4917
pull
Entries 62
Mean 272.5
Std Dev 131.8

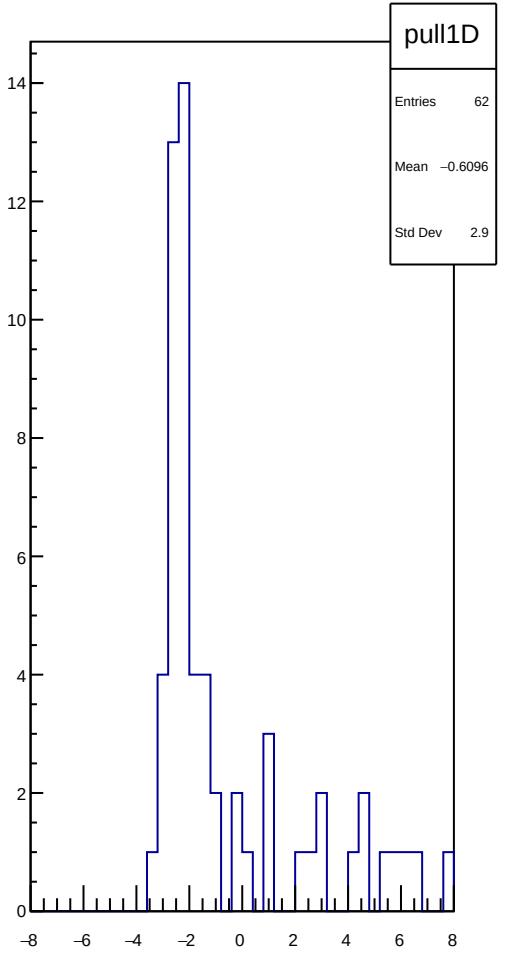

pull1D
Entries 62
Mean −0.007006
Std Dev 1.996

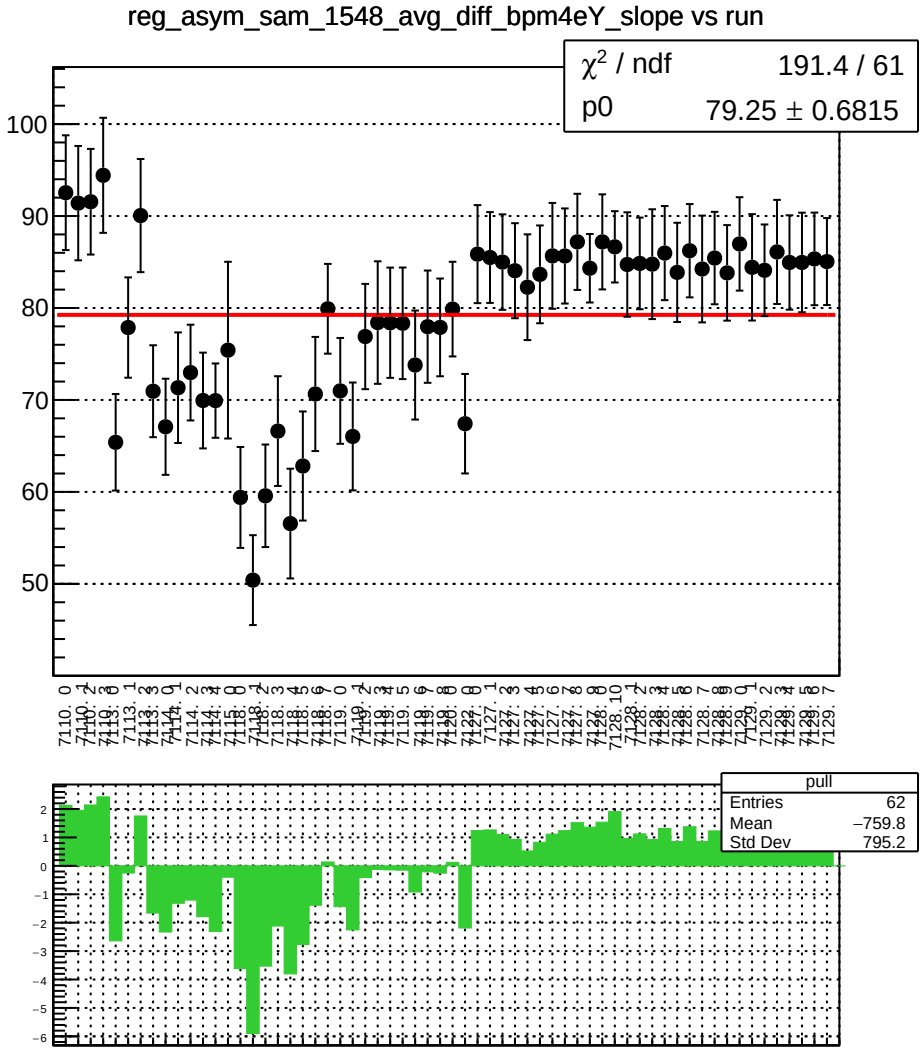

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 169.8 / 61
p0 0.4937 ± 0.02228
pull
Entries 62
Mean −135.4
Std Dev 166.3
pull1D
Entries 62
Mean 0.1382
Std Dev 1.649

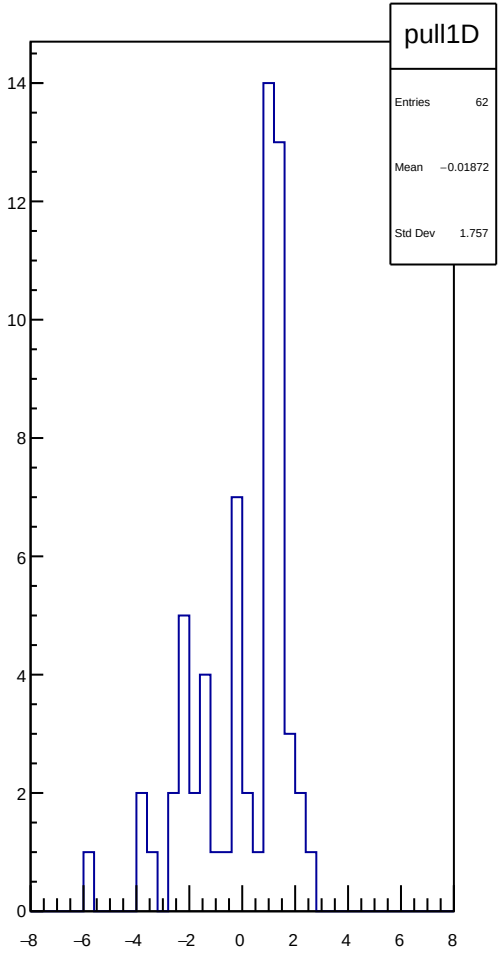

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 946.3 / 61
p0 −22.12 ± 0.7553
pull
Entries 62
Mean 150.1
Std Dev 116.6
pull1D
Entries 62
Mean 0.8647
Std Dev 3.164

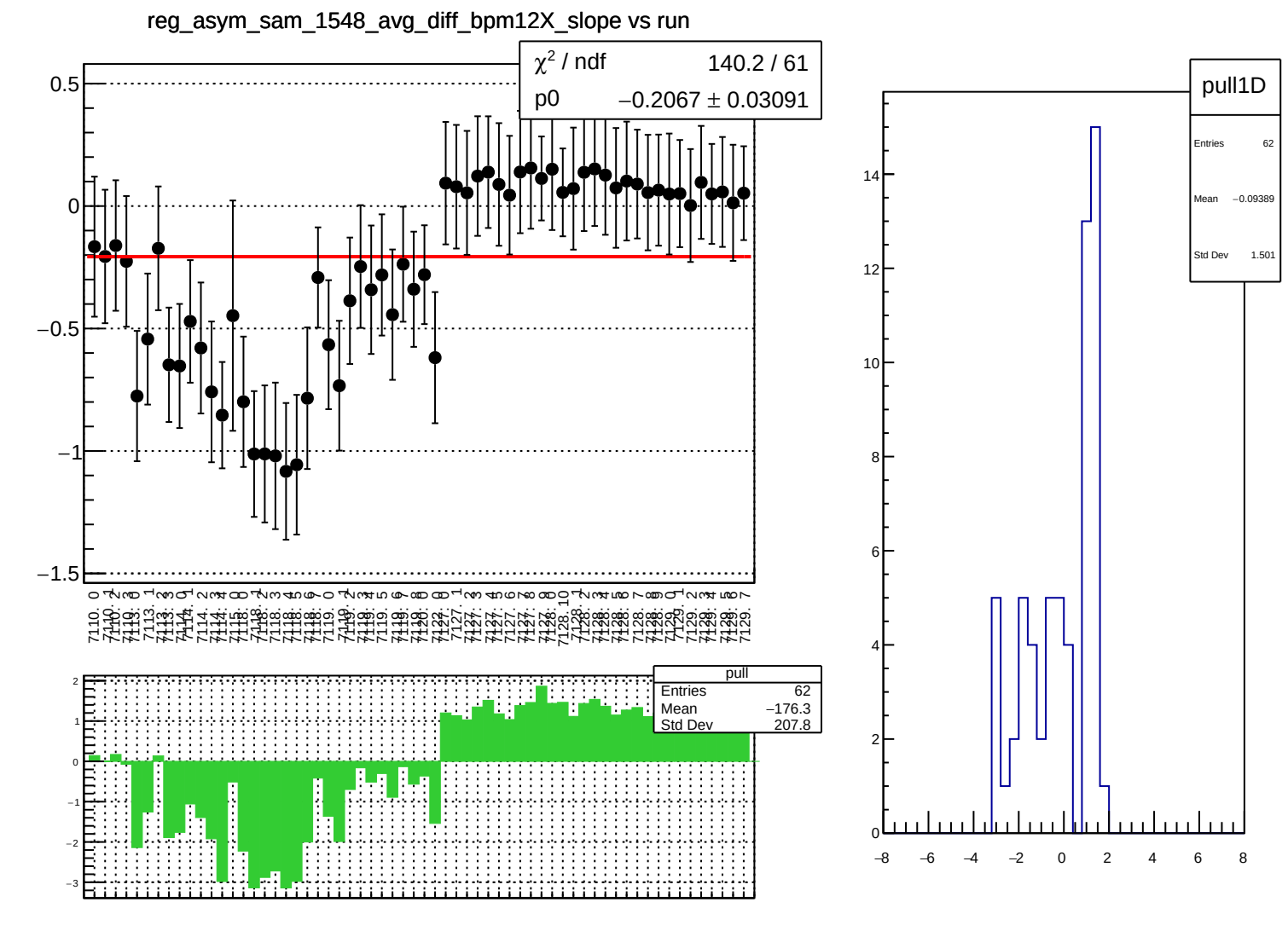

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 310.2 / 61
p0 −1.443 ± 0.6454
pull
Entries 62
Mean −1425
Std Dev 1457
pull1D
Entries 62
Mean 0.01685
Std Dev 2.237

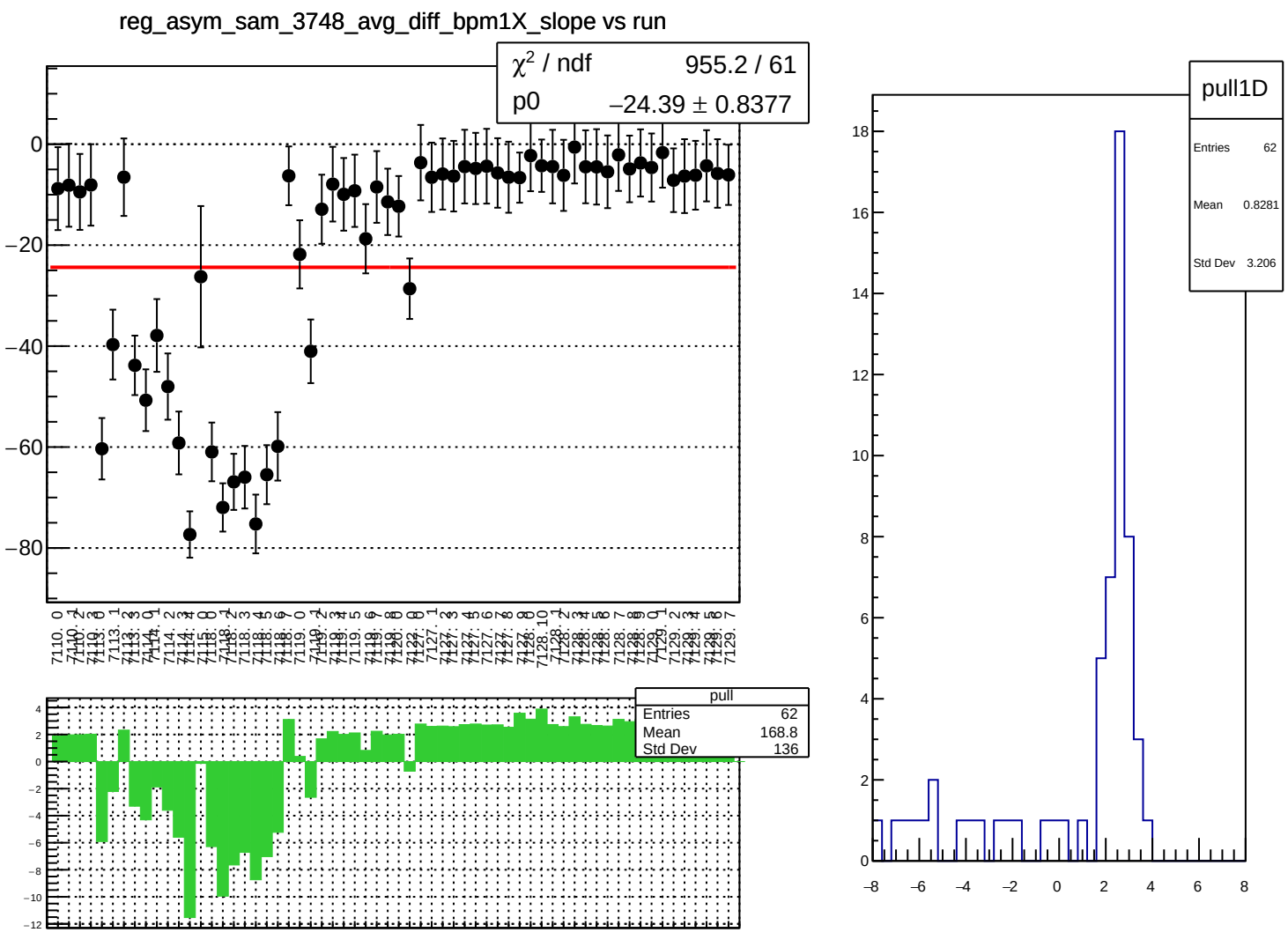

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 704 / 61
p0 −29.69 ± 0.7506
pull
Entries 62
Mean 141.4
Std Dev 107

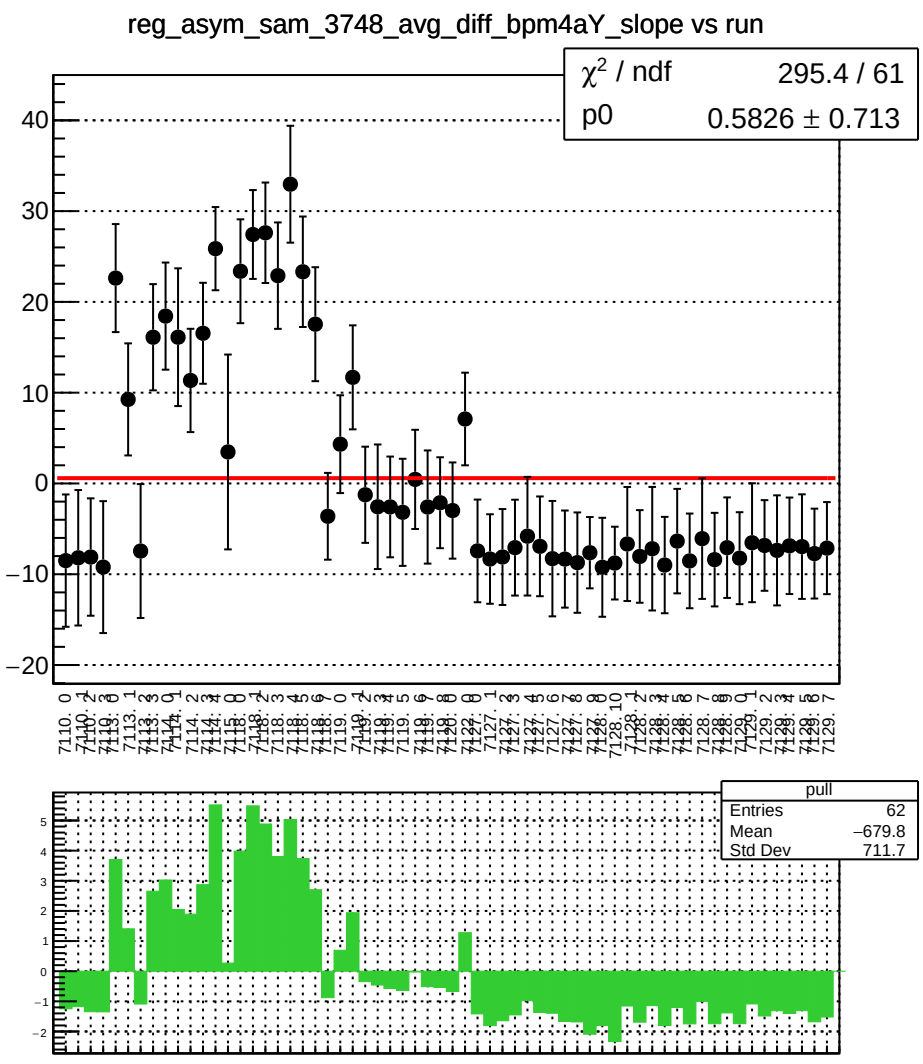

pull1D
Entries 62
Mean −0.6096
Std Dev 2.9

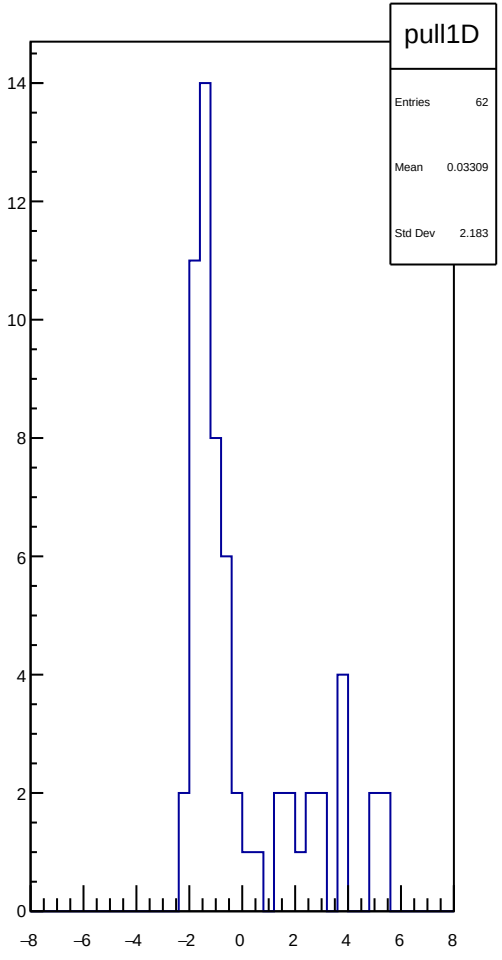

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 191.4 / 61
p0 79.25 ± 0.6815
pull
Entries 62
Mean −759.8
Std Dev 795.2

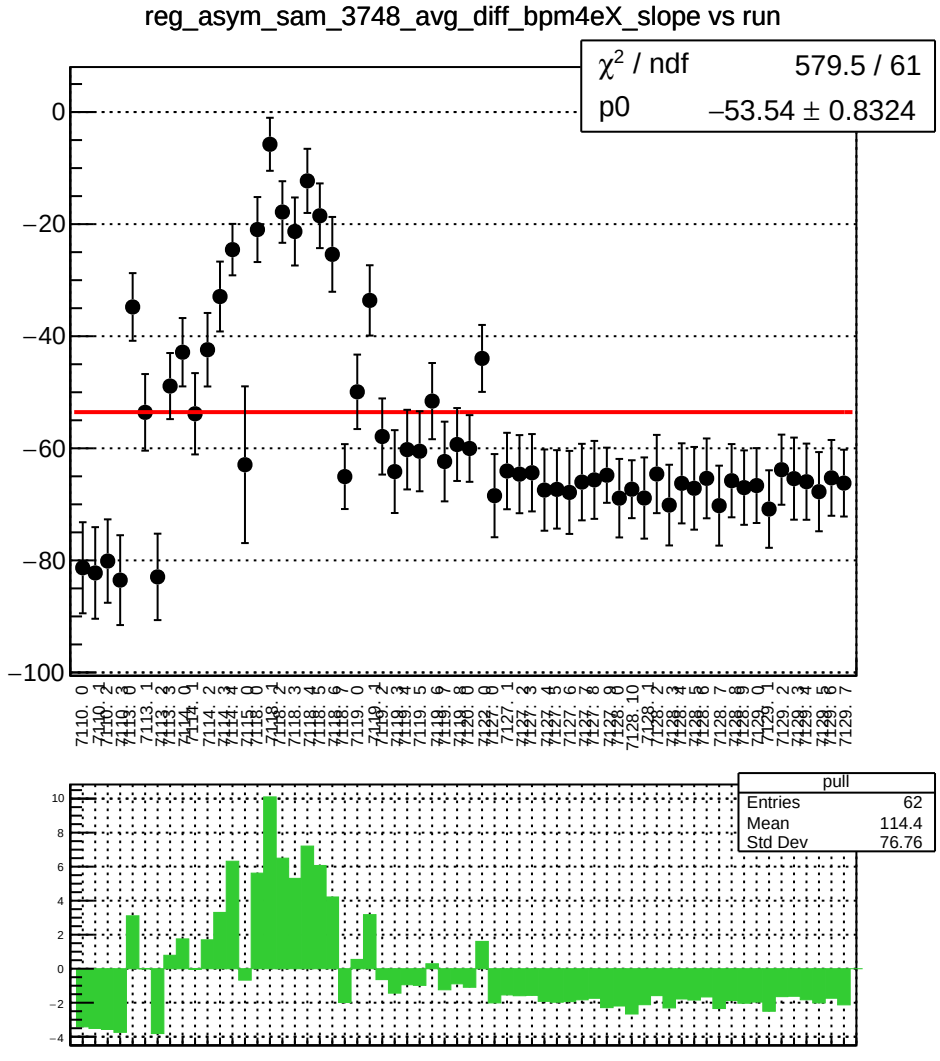

pull1D
Entries 62
Mean −0.01872
Std Dev 1.757

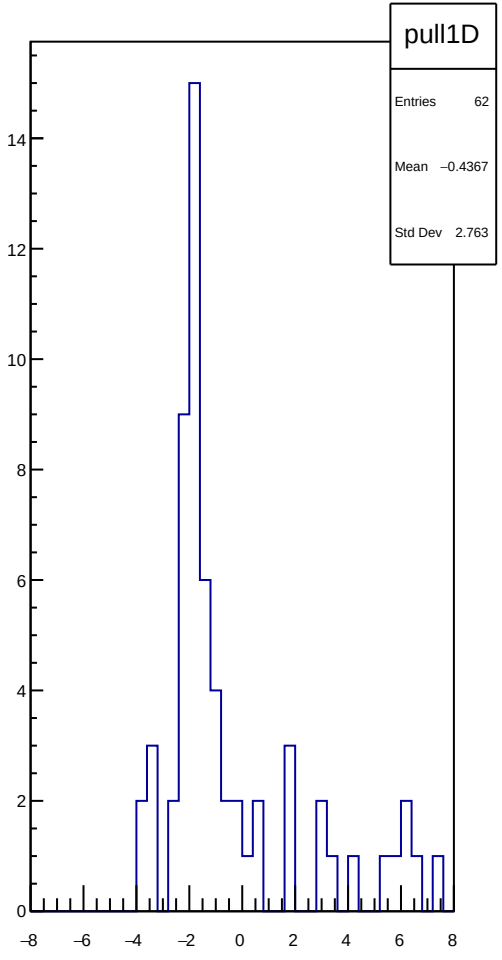

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 140.2 / 61
p0 −0.2067 ± 0.03091
pull
Entries 62
Mean −176.3
Std Dev 207.8
pull1D
Entries 62
Mean −0.09389
Std Dev 1.501

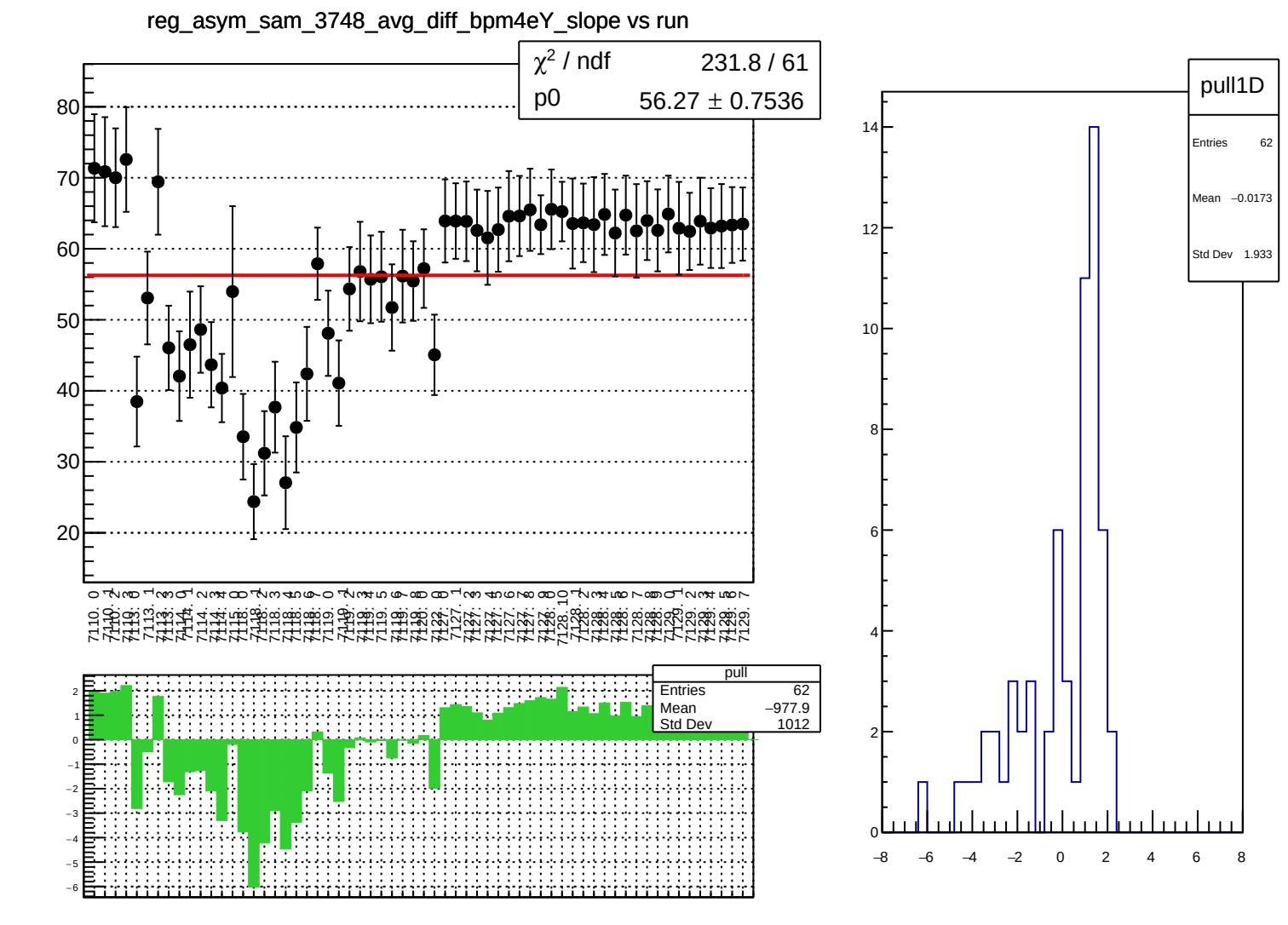

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 955.2 / 61
p0 −24.39 ± 0.8377
pull
Entries 62
Mean 168.8
Std Dev 136
pull1D
Entries 62
Mean 0.8281
Std Dev 3.206

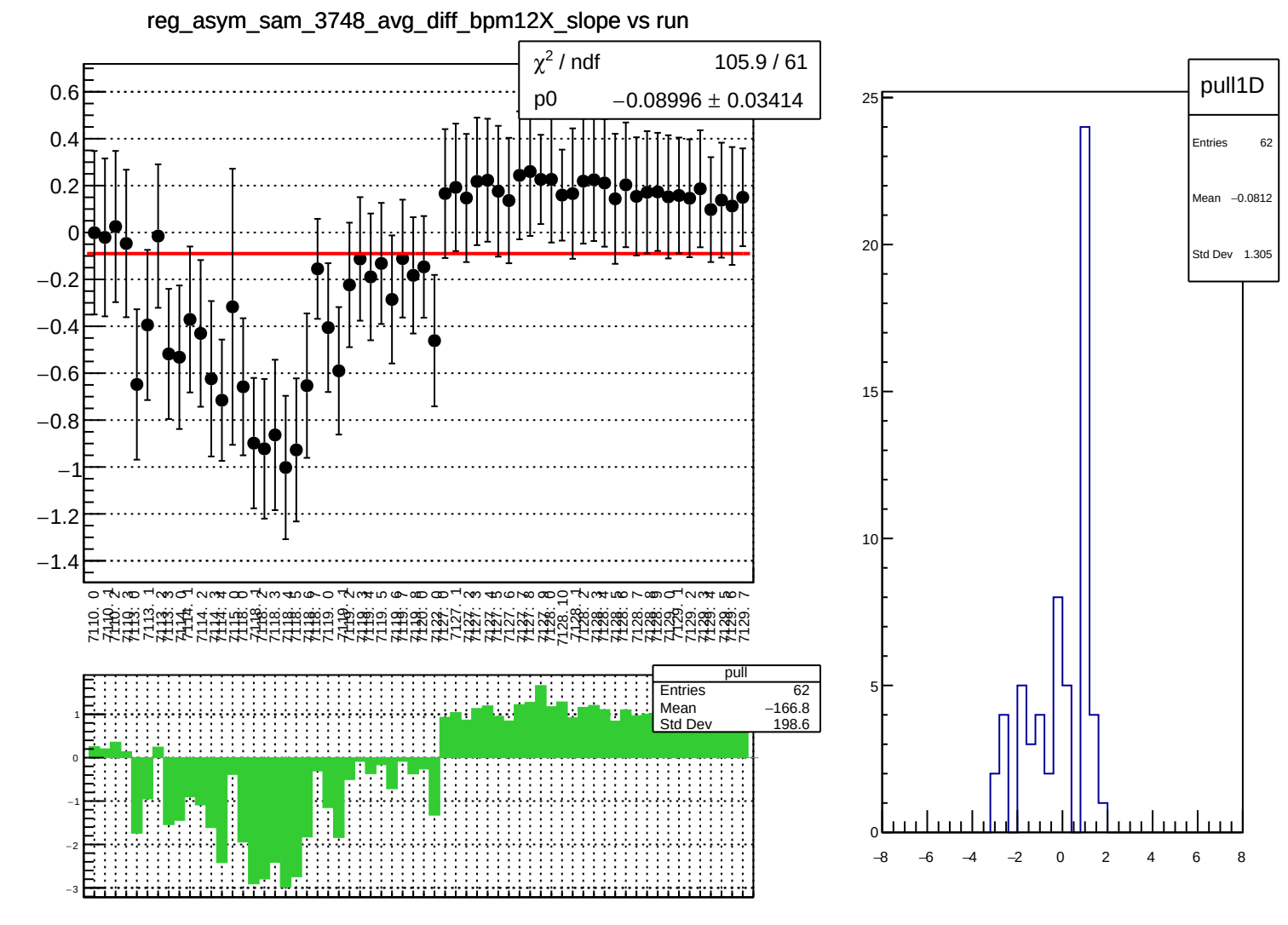

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 295.4 / 61
p0 0.5826 ± 0.713
pull
Entries 62
Mean −679.8
Std Dev 711.7

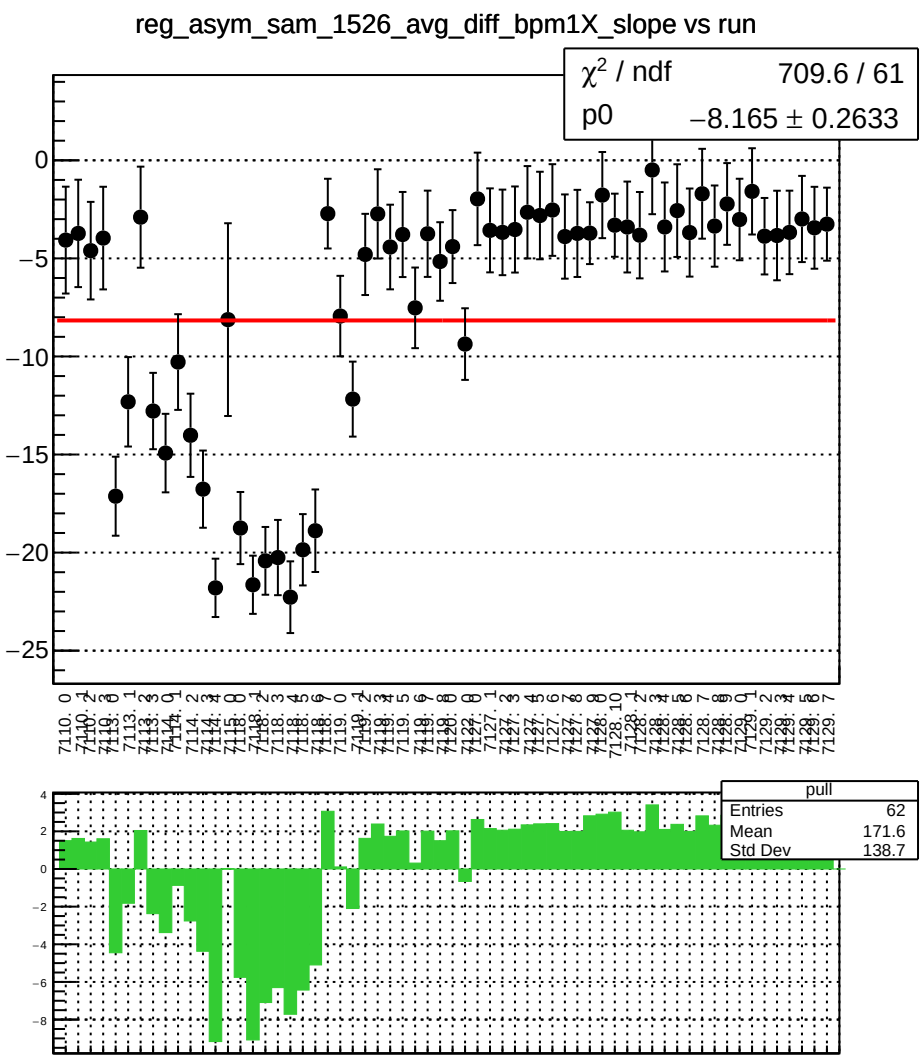

pull1D
Entries 62
Mean 0.03309
Std Dev 2.183

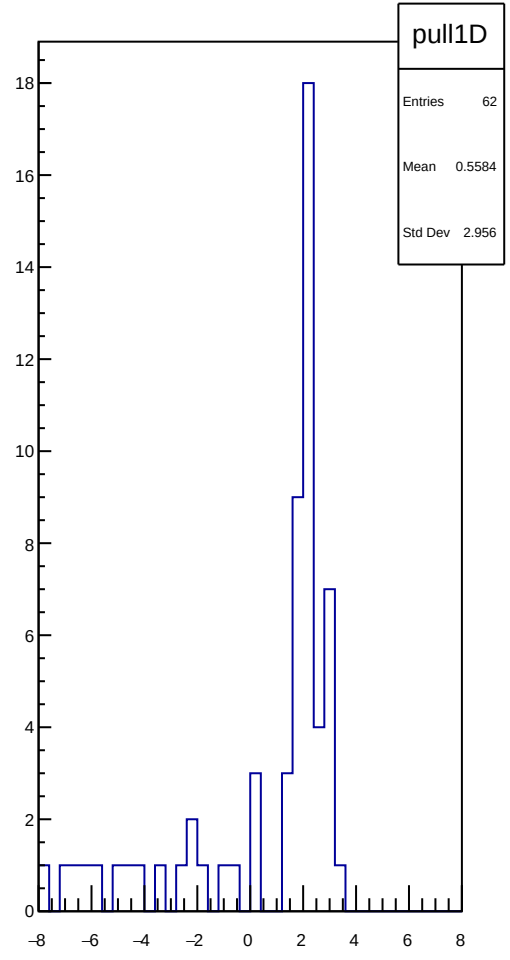

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 579.5 / 61
p0 −53.54 ± 0.8324
pull
Entries 62
Mean 114.4
Std Dev 76.76

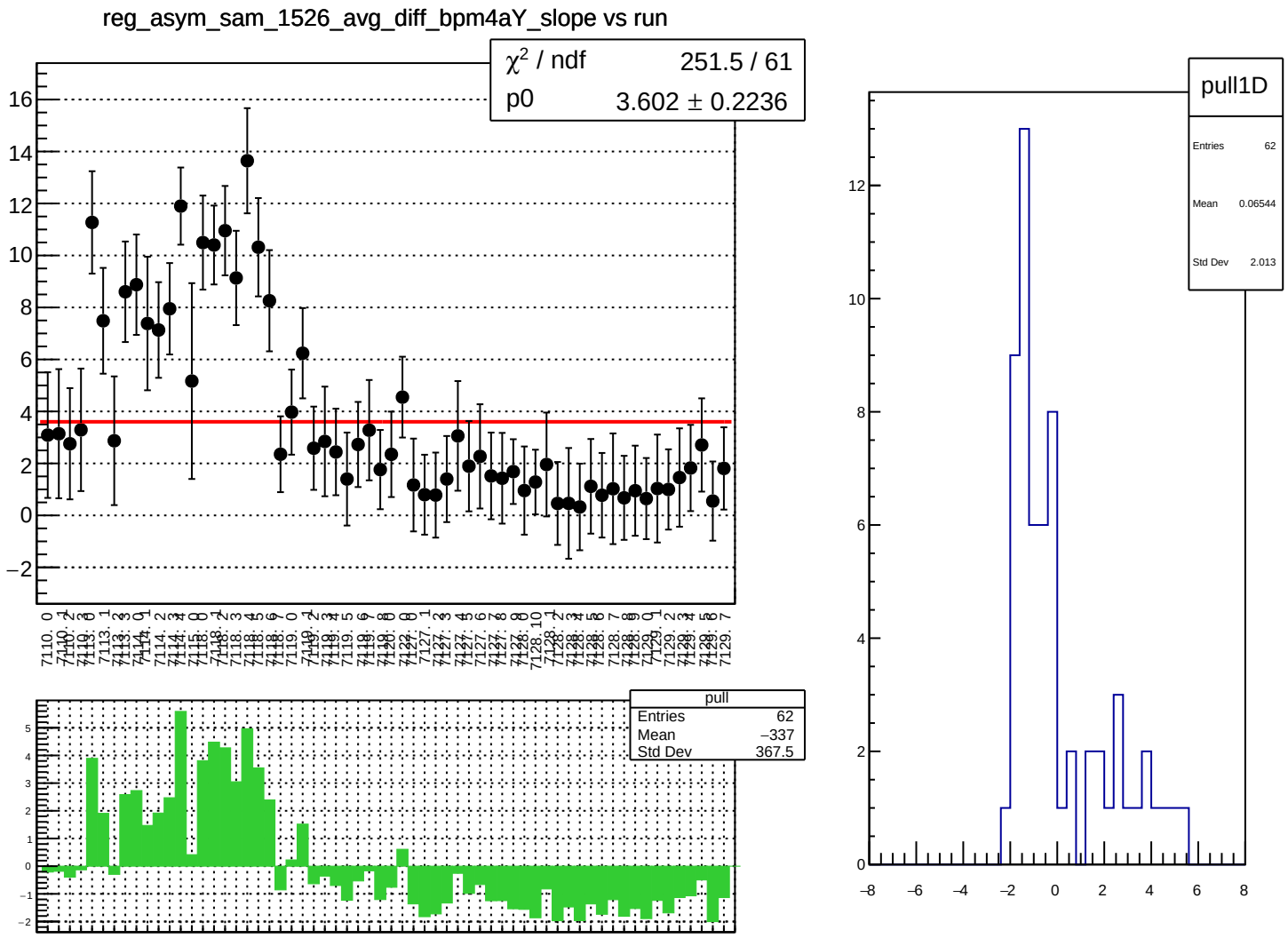

pull1D
Entries 62
Mean −0.4367
Std Dev 2.763

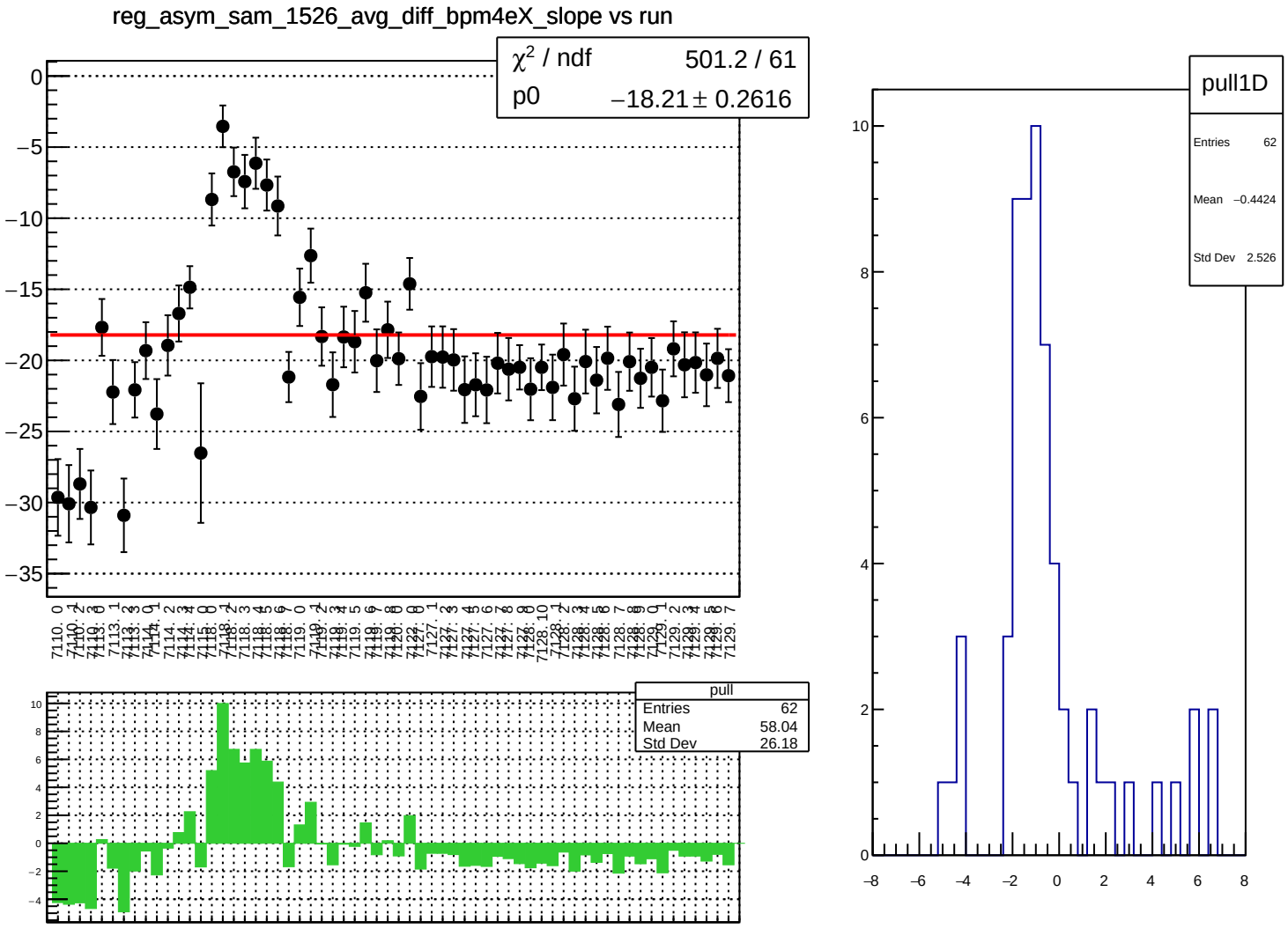

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 231.8 / 61
p0 56.27 ± 0.7536
pull
Entries 62
Mean −977.9
Std Dev 1012
pull1D
Entries 62
Mean −0.0173
Std Dev 1.933

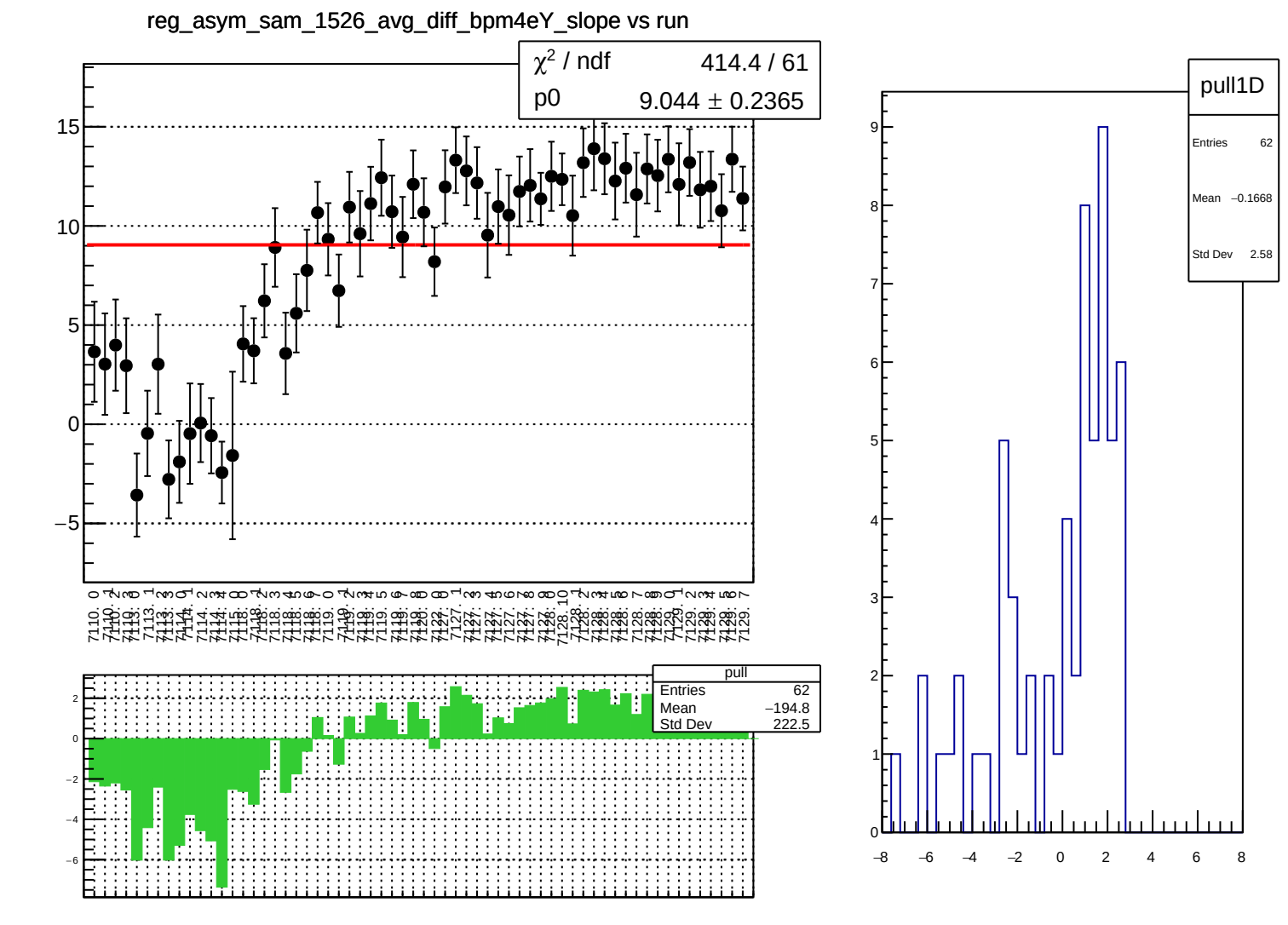

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 105.9 / 61
p0 −0.08996 ± 0.03414
pull
Entries 62
Mean −166.8
Std Dev 198.6
pull1D
Entries 62
Mean −0.0812
Std Dev 1.305

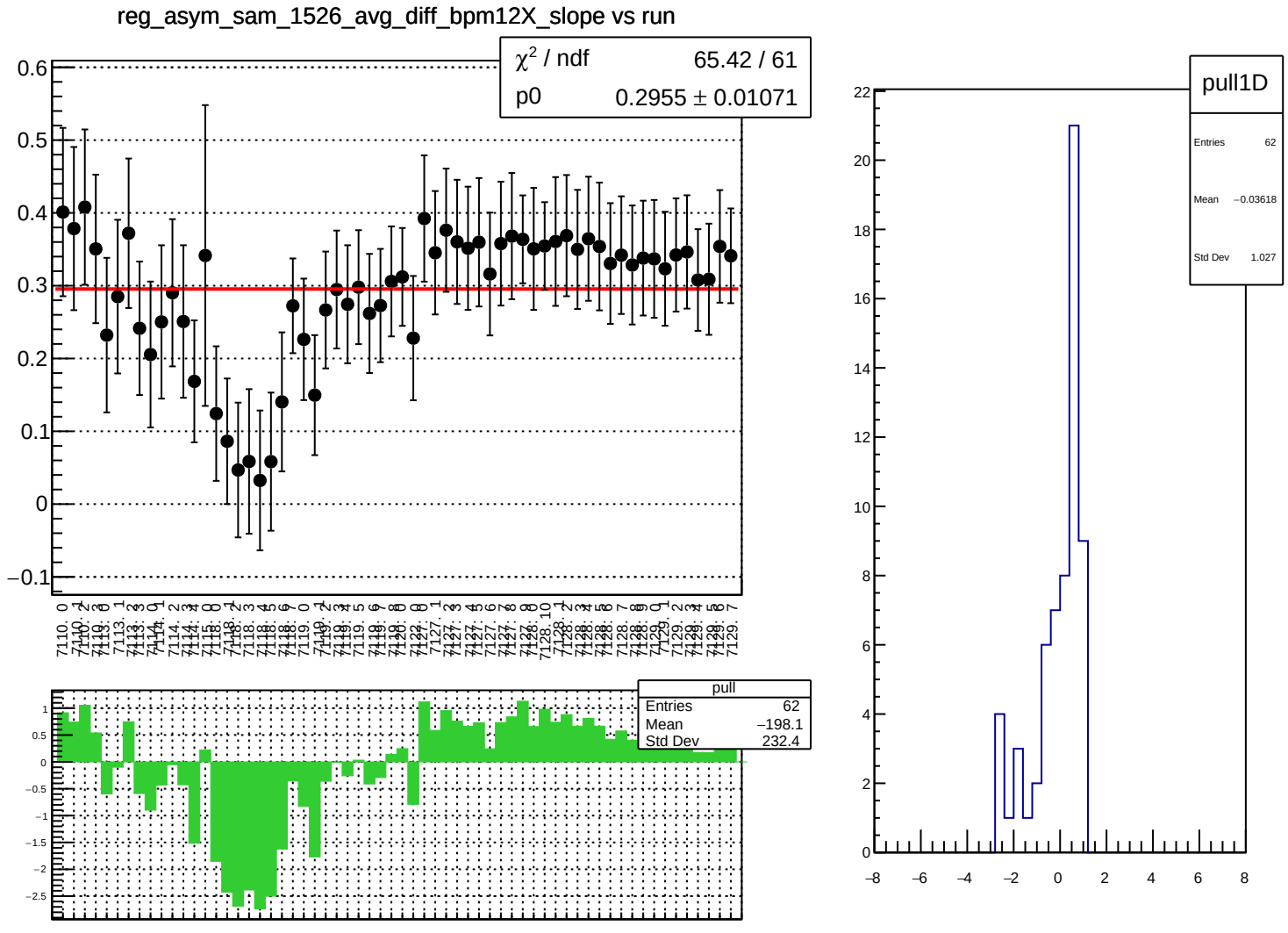

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 709.6 / 61
p0 −8.165 ± 0.2633
pull
Entries 62
Mean 171.6
Std Dev 138.7

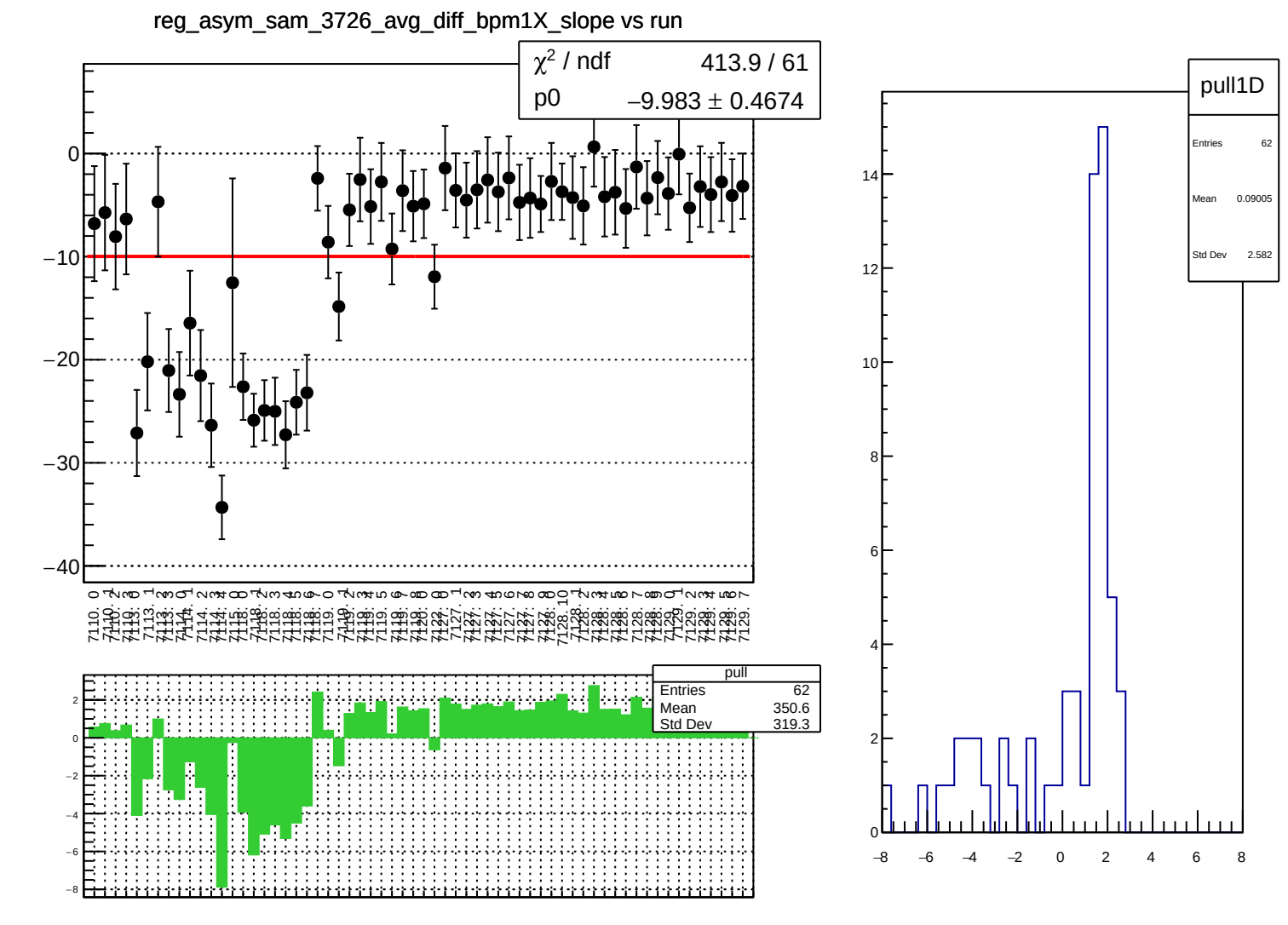

pull1D
Entries 62
Mean 0.5584
Std Dev 2.956

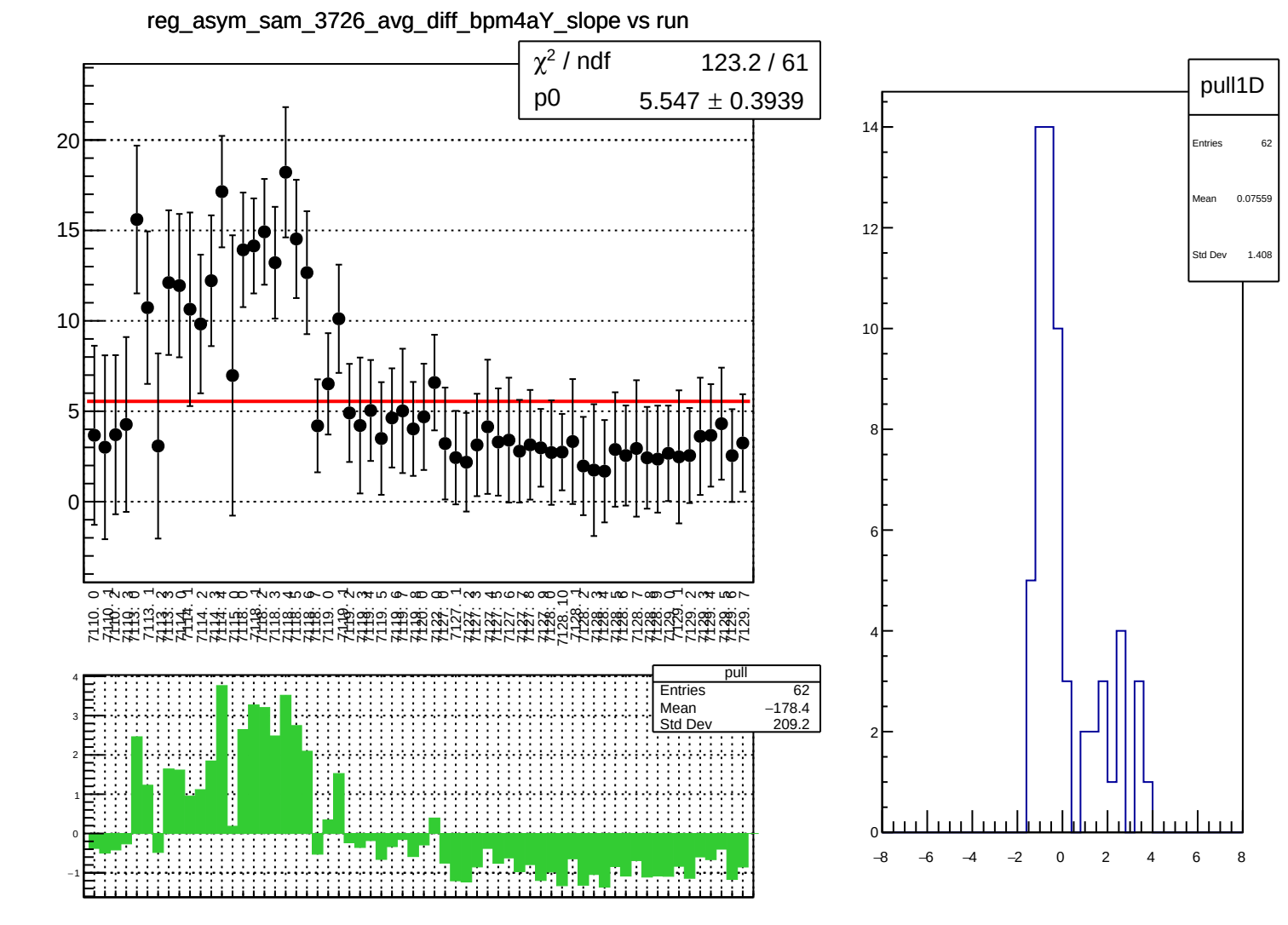

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 251.5 / 61
p0 3.602 ± 0.2236
pull
Entries 62
Mean −337
Std Dev 367.5
pull1D
Entries 62
Mean 0.06544
Std Dev 2.013

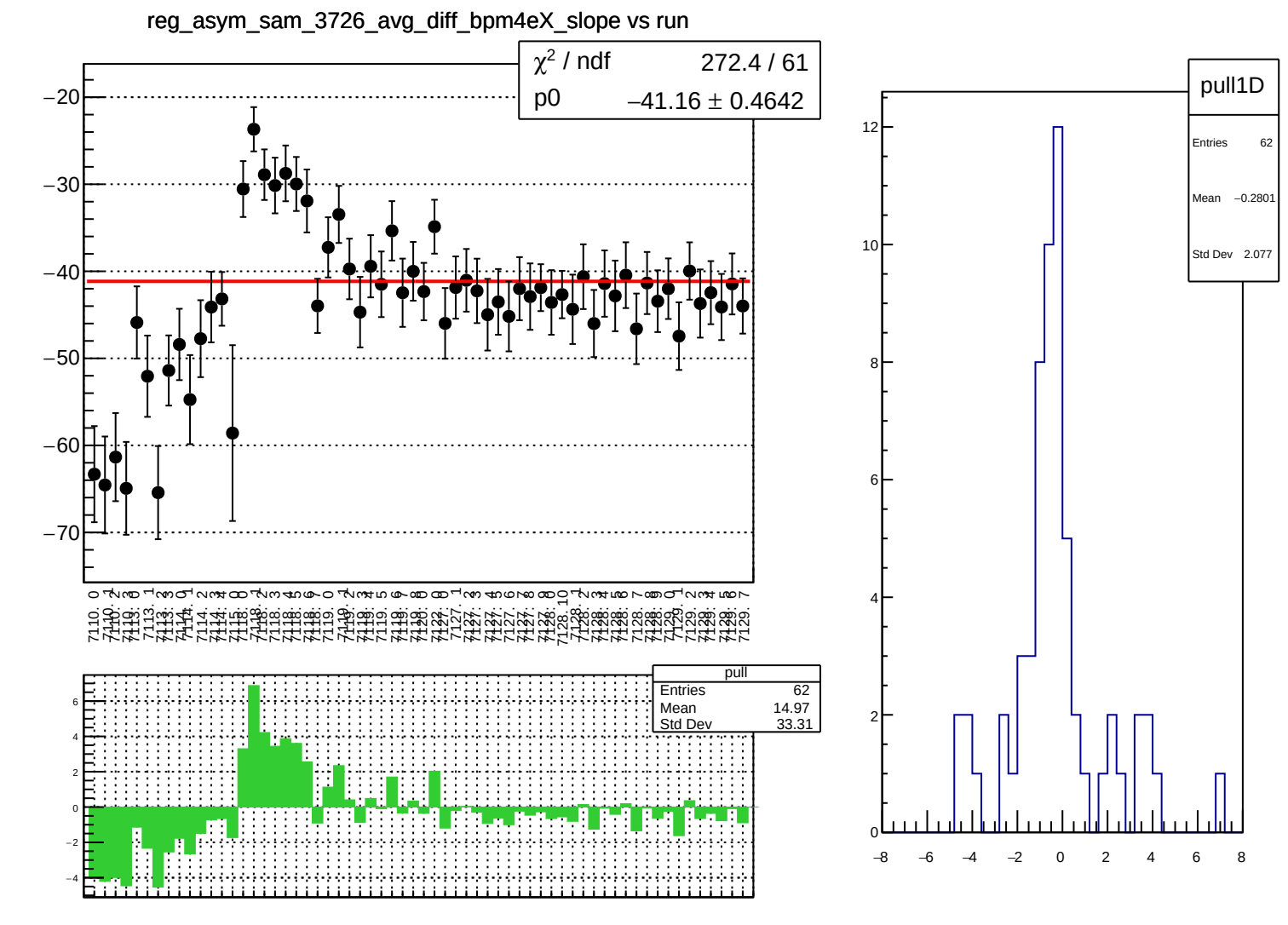

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 501.2 / 61
p0 −18.21 ± 0.2616
pull
Entries 62
Mean 58.04
Std Dev 26.18
pull1D
Entries 62
Mean −0.4424
Std Dev 2.526

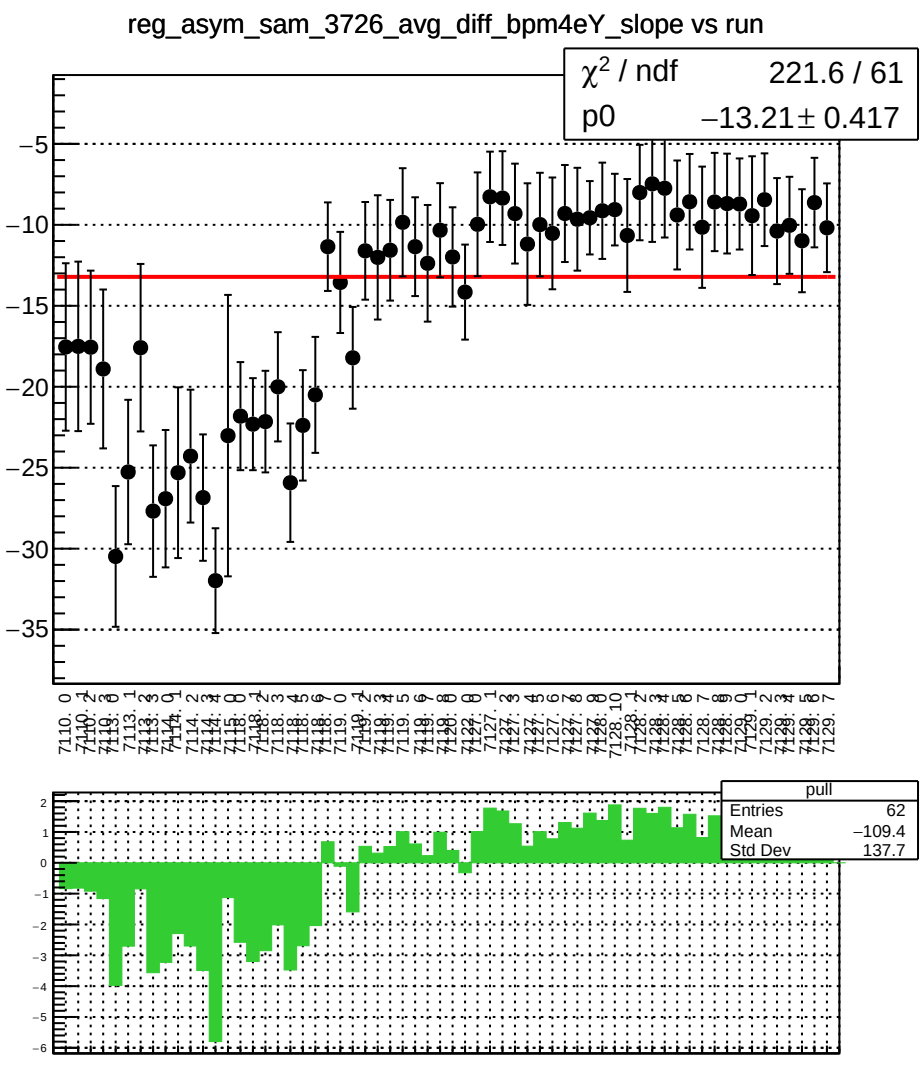

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 414.4 / 61
p0 9.044 ± 0.2365
pull
Entries 62
Mean −194.8
Std Dev 222.5
pull1D
Entries 62
Mean −0.1668
Std Dev 2.58

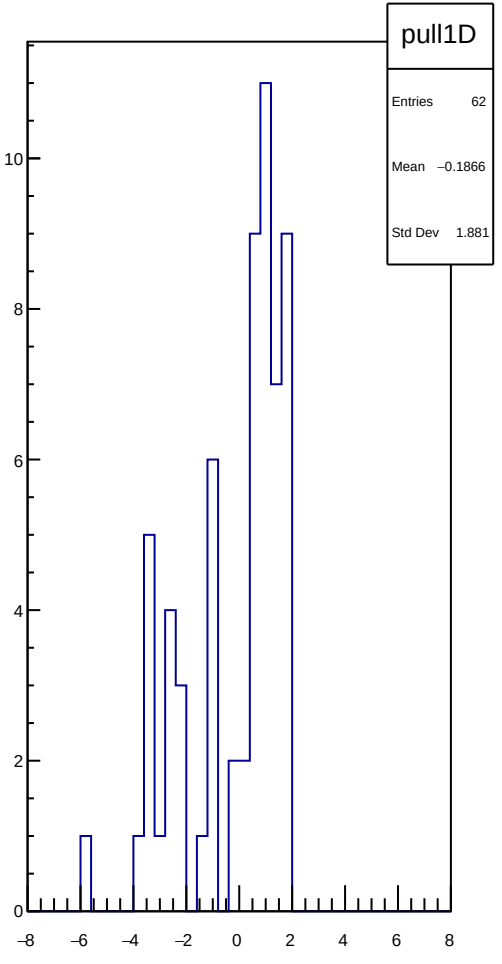

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 65.42 / 61
p0 0.2955 ± 0.01071
pull
Entries 62
Mean −198.1
Std Dev 232.4
pull1D
Entries 62
Mean −0.03618
Std Dev 1.027

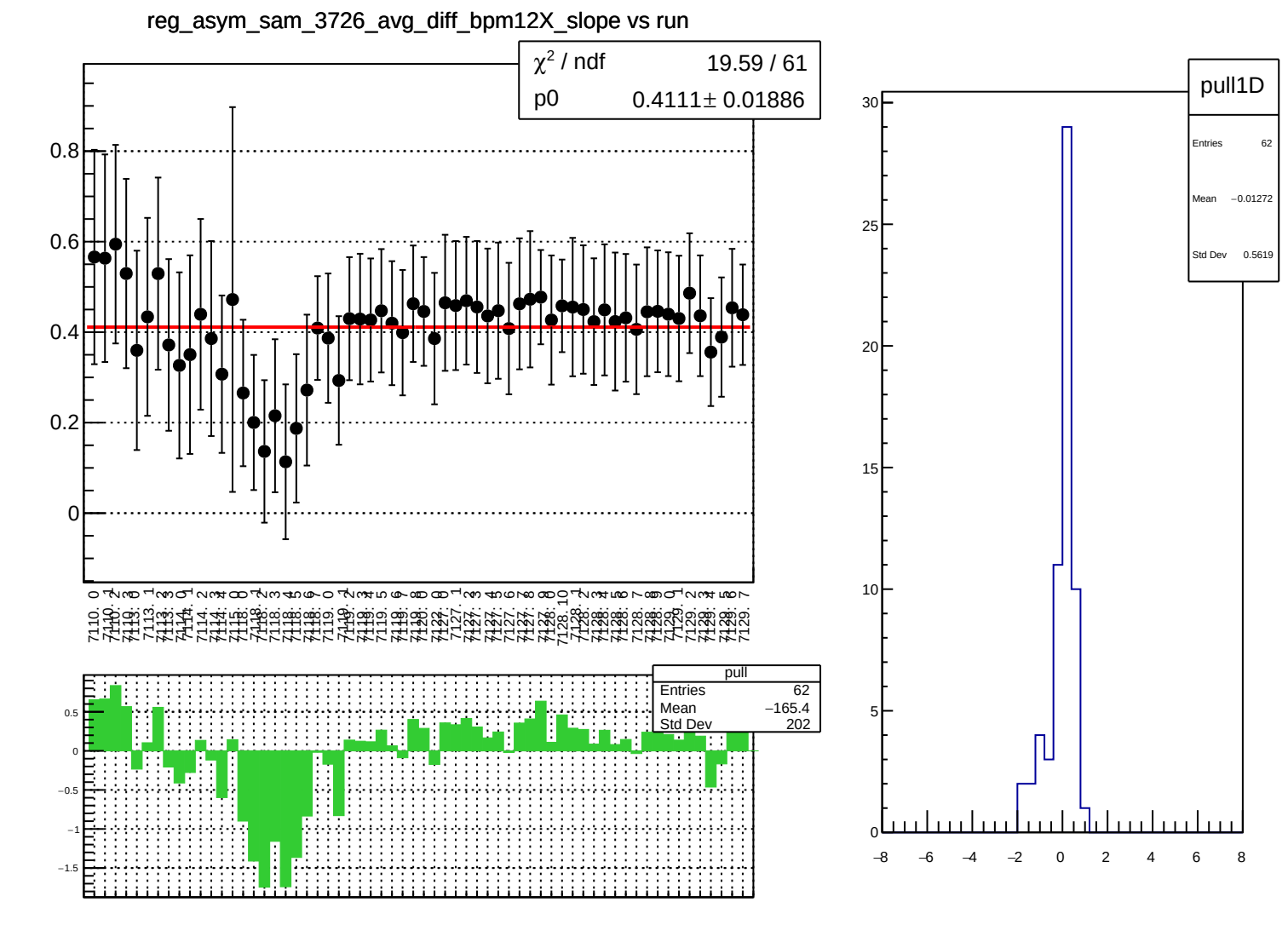

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 413.9 / 61
p0 −9.983 ± 0.4674
pull
Entries 62
Mean 350.6
Std Dev 319.3
pull1D
Entries 62
Mean 0.09005
Std Dev 2.582

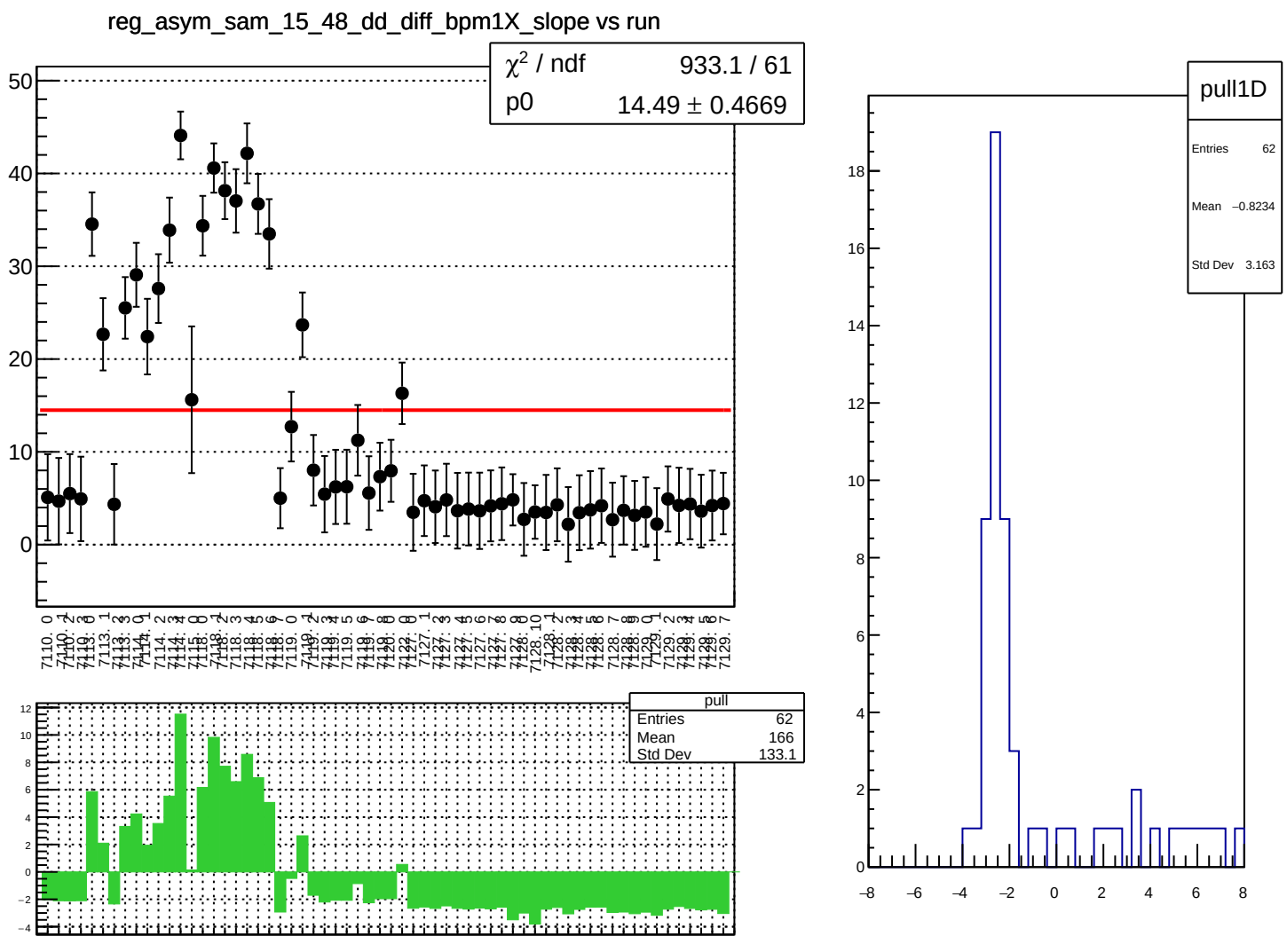

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 123.2 / 61
p0 5.547 ± 0.3939
pull
Entries 62
Mean −178.4
Std Dev 209.2
pull1D
Entries 62
Mean 0.07559
Std Dev 1.408

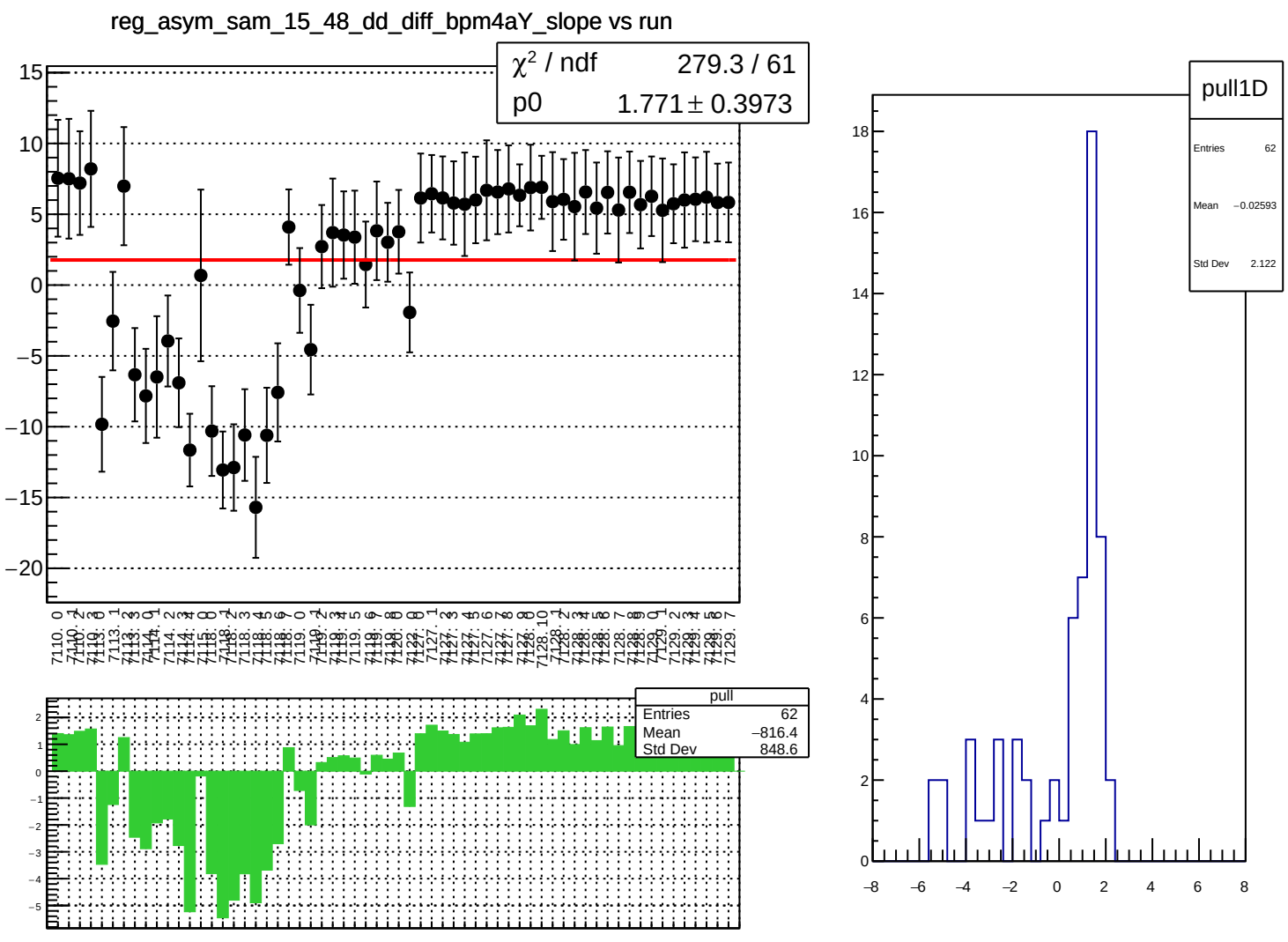

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 272.4 / 61
p0 −41.16 ± 0.4642
pull
Entries 62
Mean 14.97
Std Dev 33.31
pull1D
Entries 62
Mean −0.2801
Std Dev 2.077

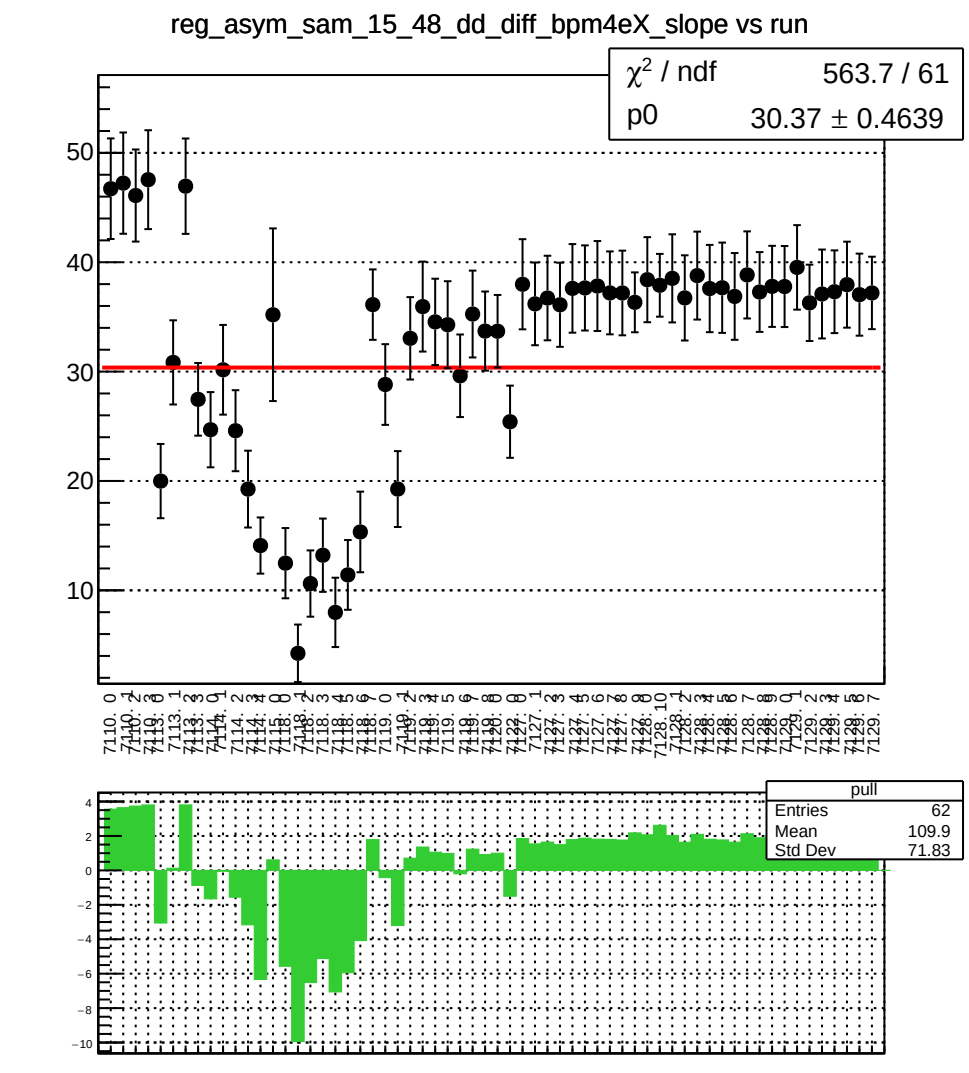

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 221.6 / 61
p0 −13.21 ± 0.417
pull
Entries 62
Mean −109.4
Std Dev 137.7

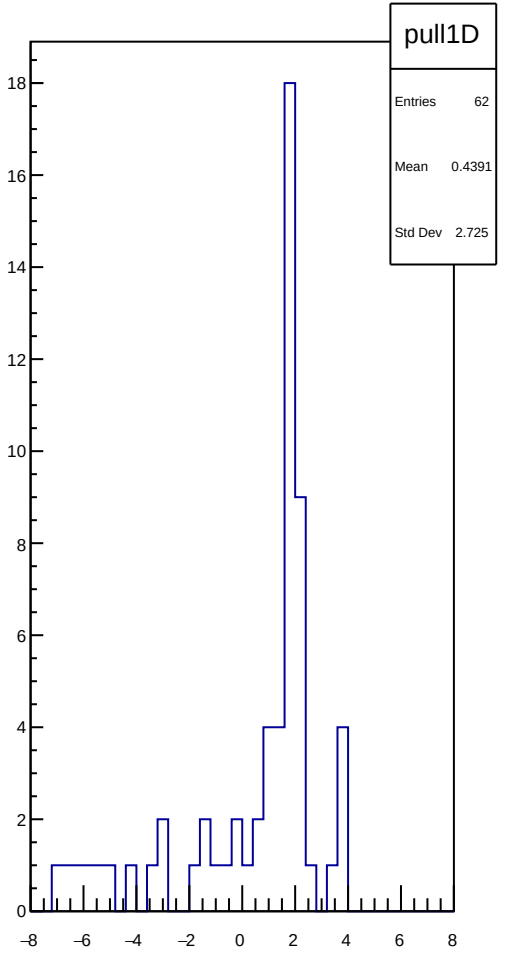

pull1D
Entries 62
Mean −0.1866
Std Dev 1.881

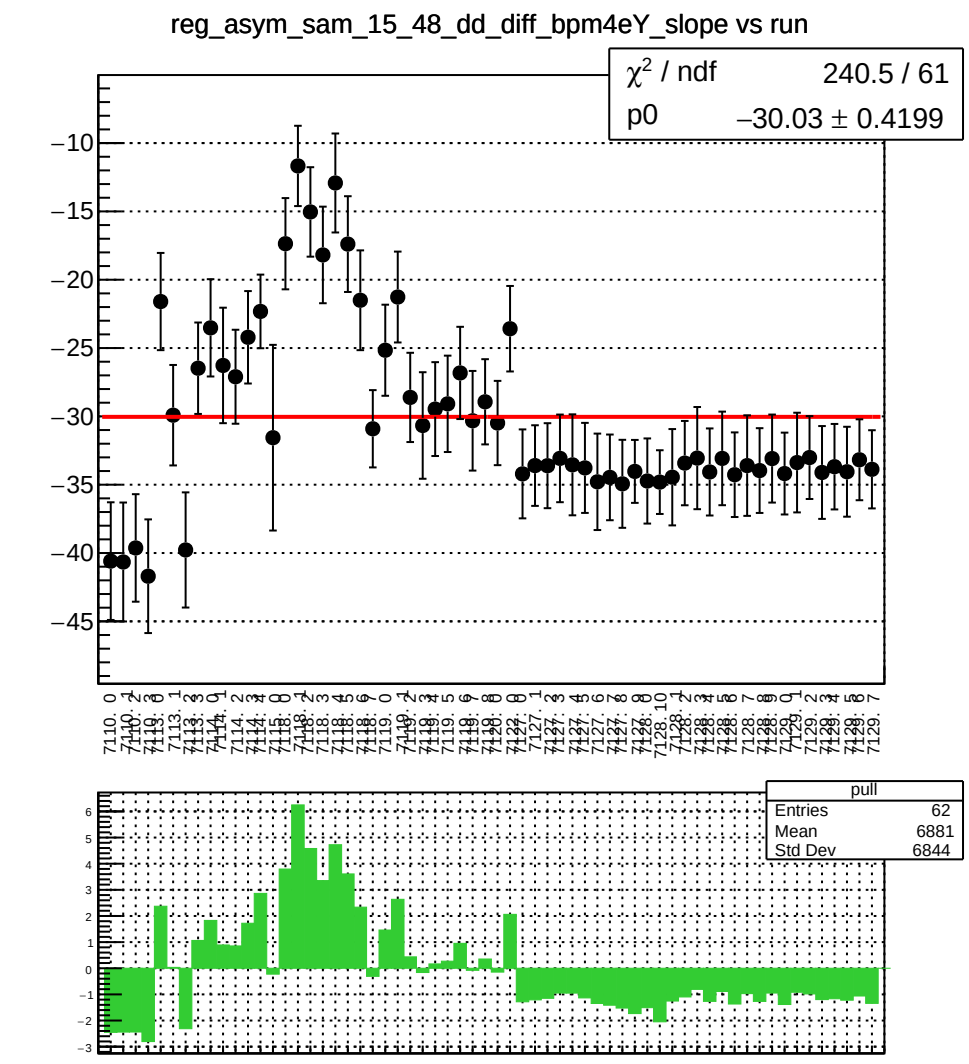

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 19.59 / 61
p0 0.4111± 0.01886
pull
Entries 62
Mean −165.4
Std Dev 202
pull1D
Entries 62
Mean −0.01272
Std Dev 0.5619

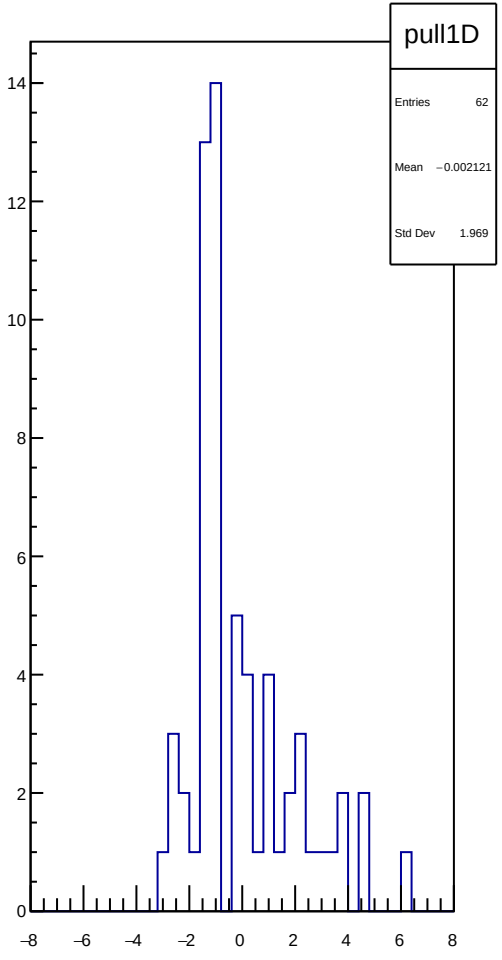

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 933.1 / 61
p0 14.49 ± 0.4669
pull
Entries 62
Mean 166
Std Dev 133.1
pull1D
Entries 62
Mean −0.8234
Std Dev 3.163

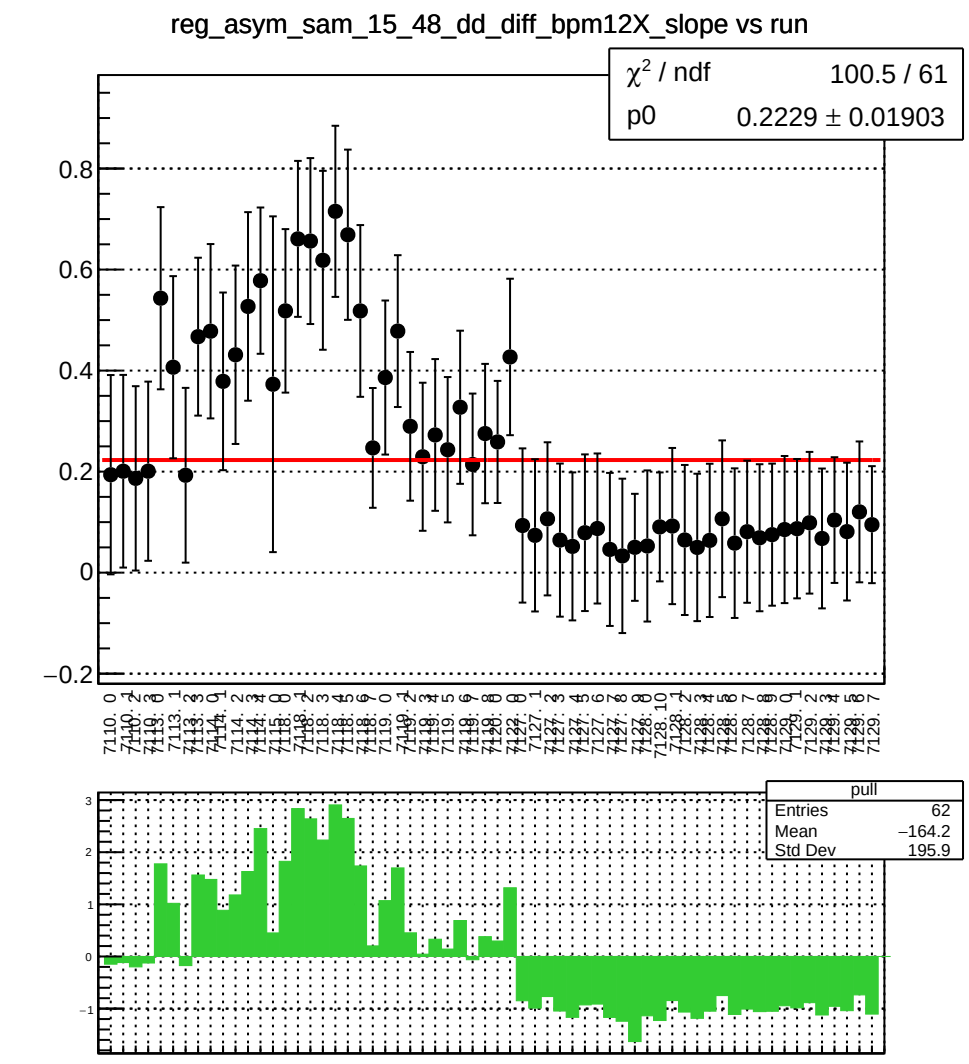

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 279.3 / 61
p0 1.771 ± 0.3973
pull
Entries 62
Mean −816.4
Std Dev 848.6
pull1D
Entries 62
Mean −0.02593
Std Dev 2.122

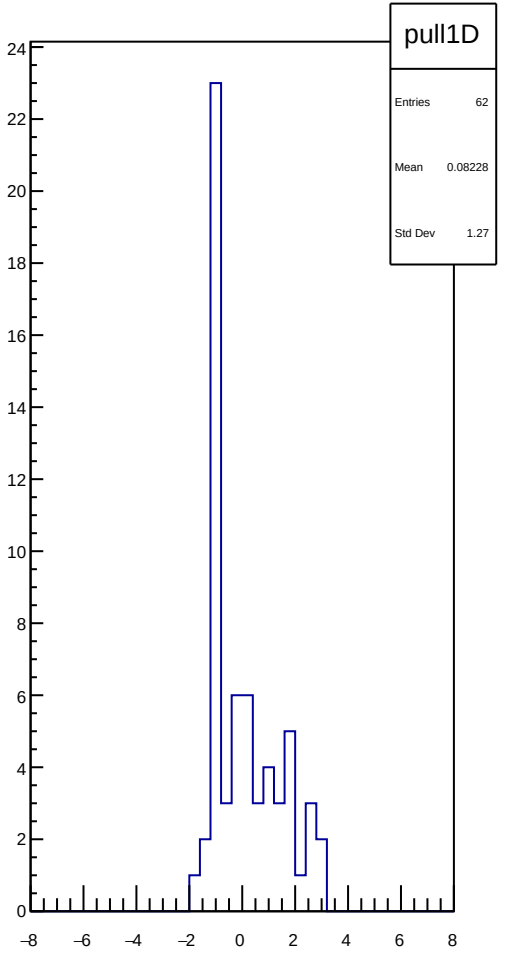

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 563.7 / 61
p0 30.37 ± 0.4639
pull
Entries 62
Mean 109.9
Std Dev 71.83

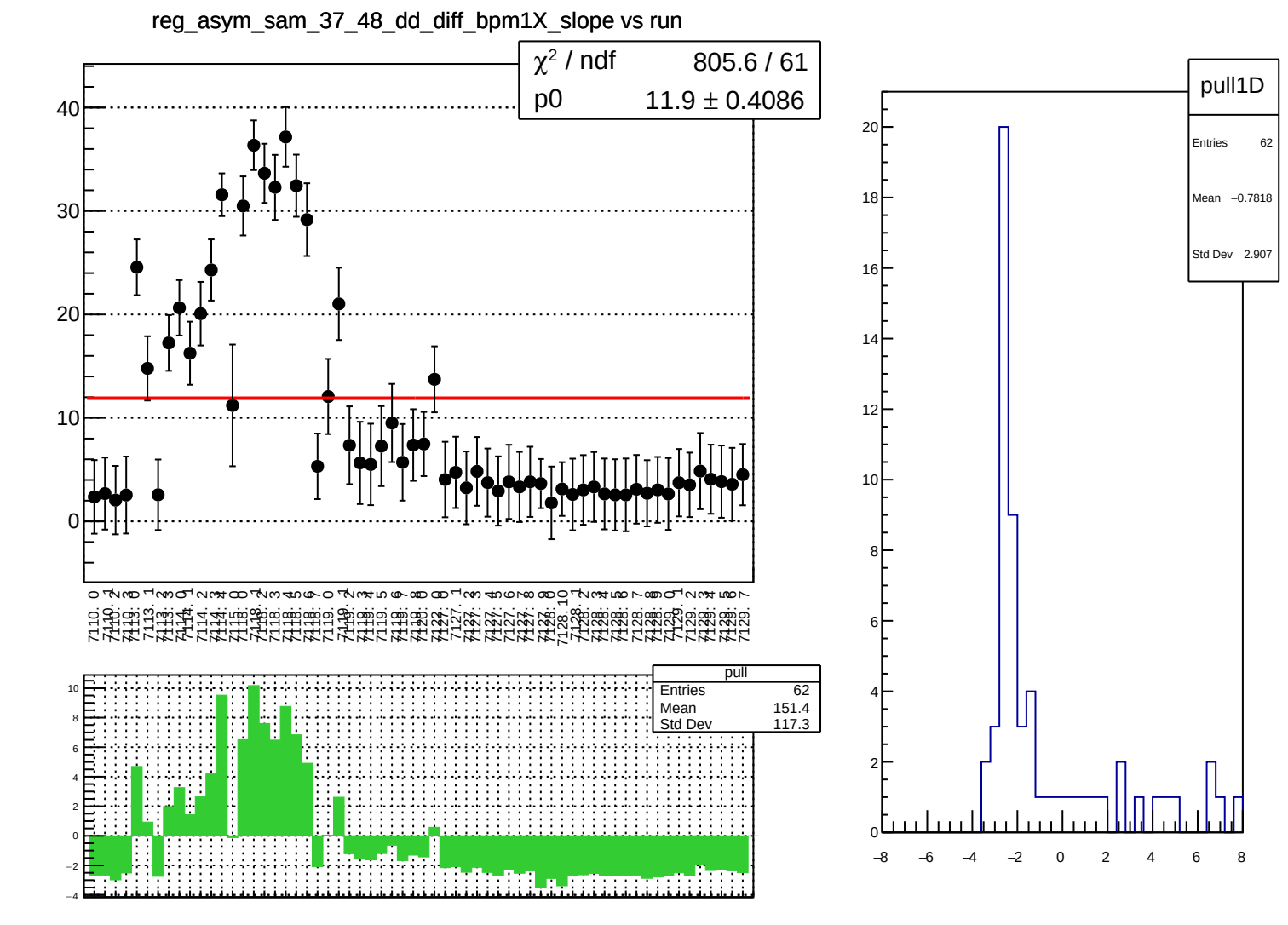

pull1D
Entries 62
Mean 0.4391
Std Dev 2.725

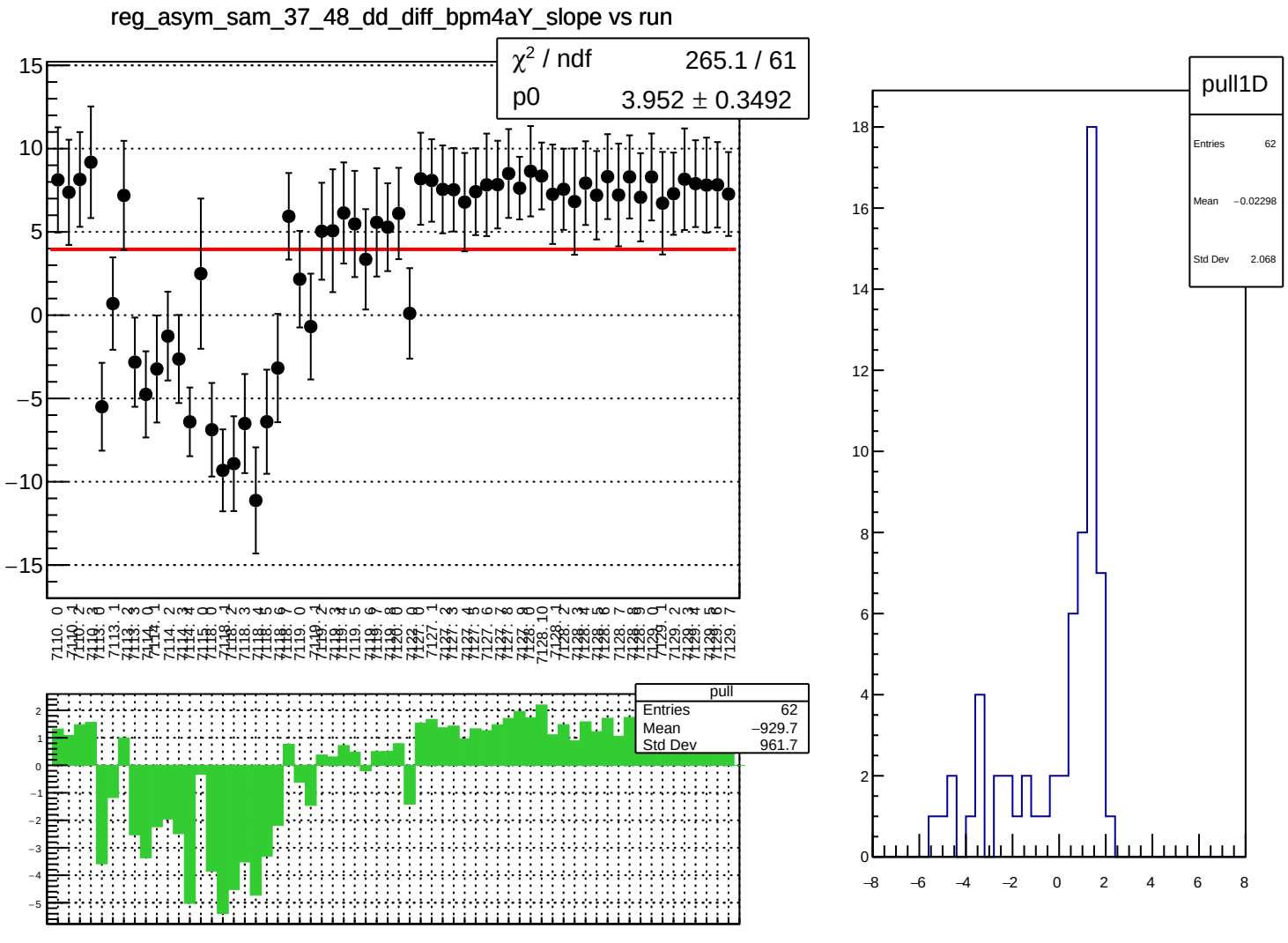

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 240.5 / 61
p0 −30.03 ± 0.4199
pull
Entries 62
Mean 6881
Std Dev 6844

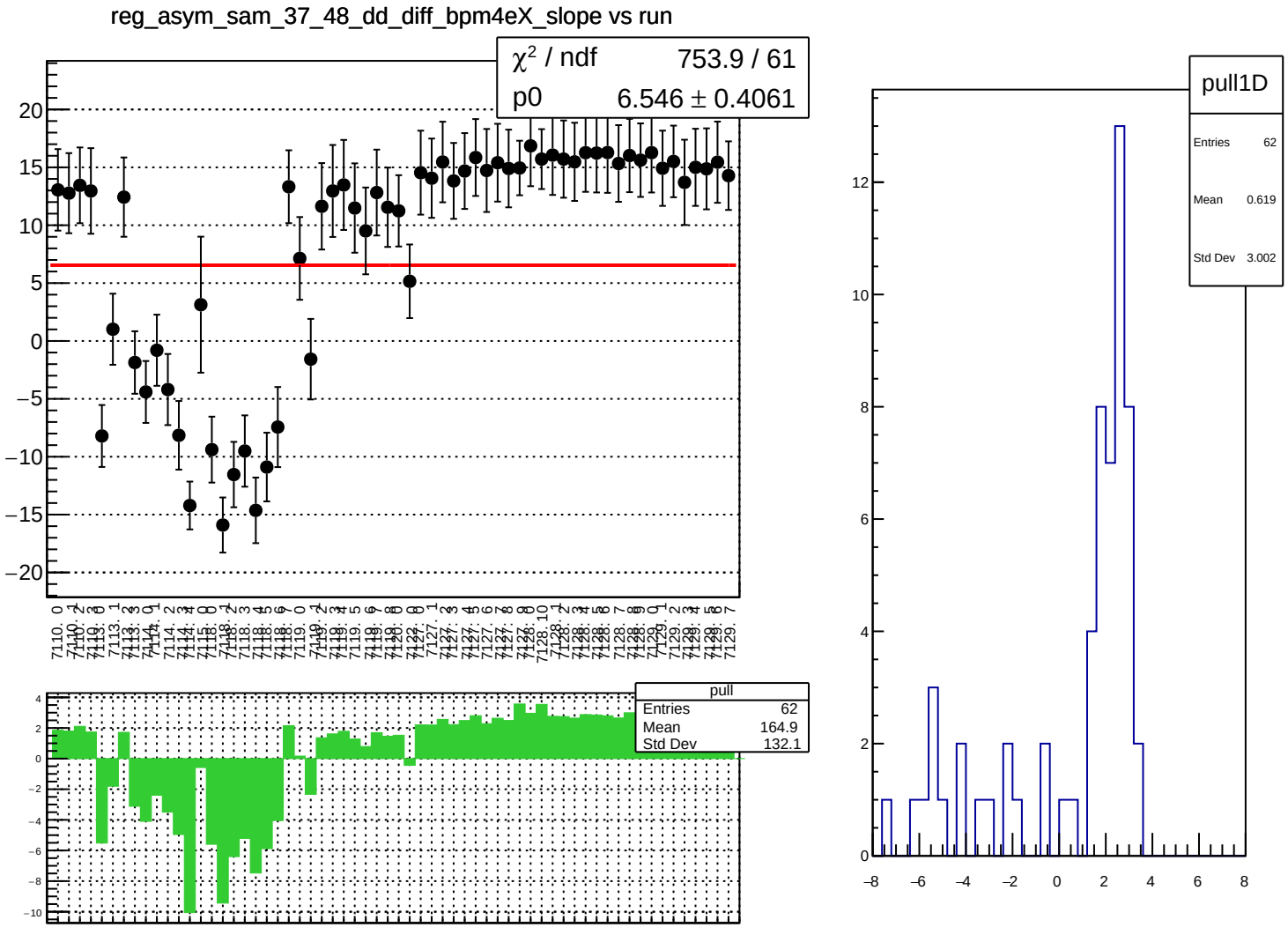

pull1D
Entries 62
Mean −0.002121
Std Dev 1.969

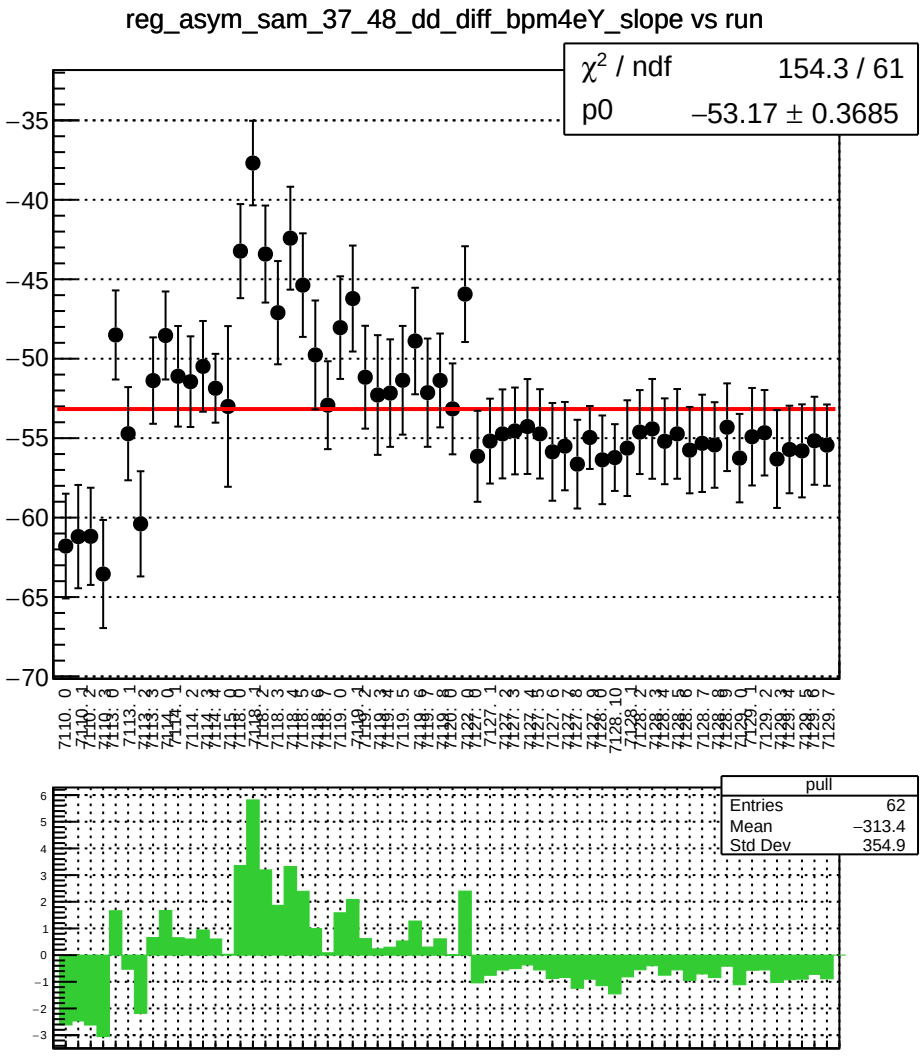

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 100.5 / 61
p0 0.2229 ± 0.01903
pull
Entries 62
Mean −164.2
Std Dev 195.9

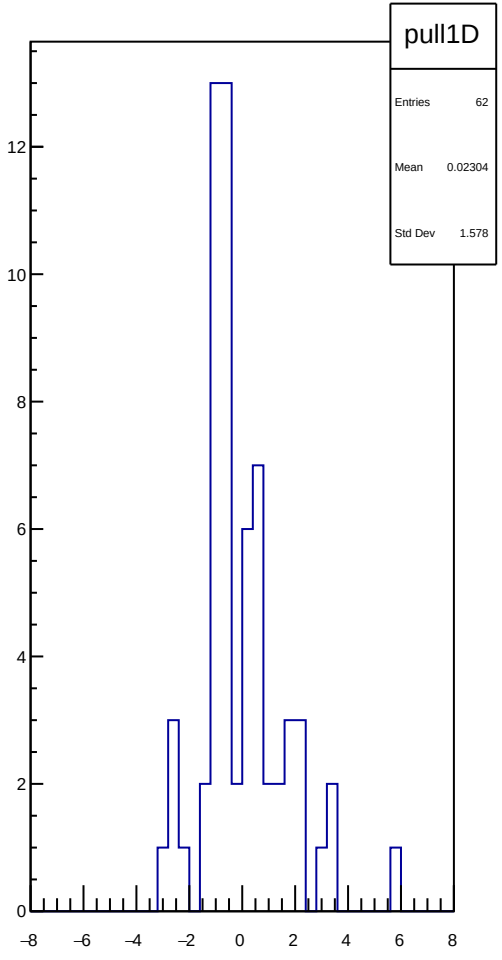

pull1D
Entries 62
Mean 0.08228
Std Dev 1.27

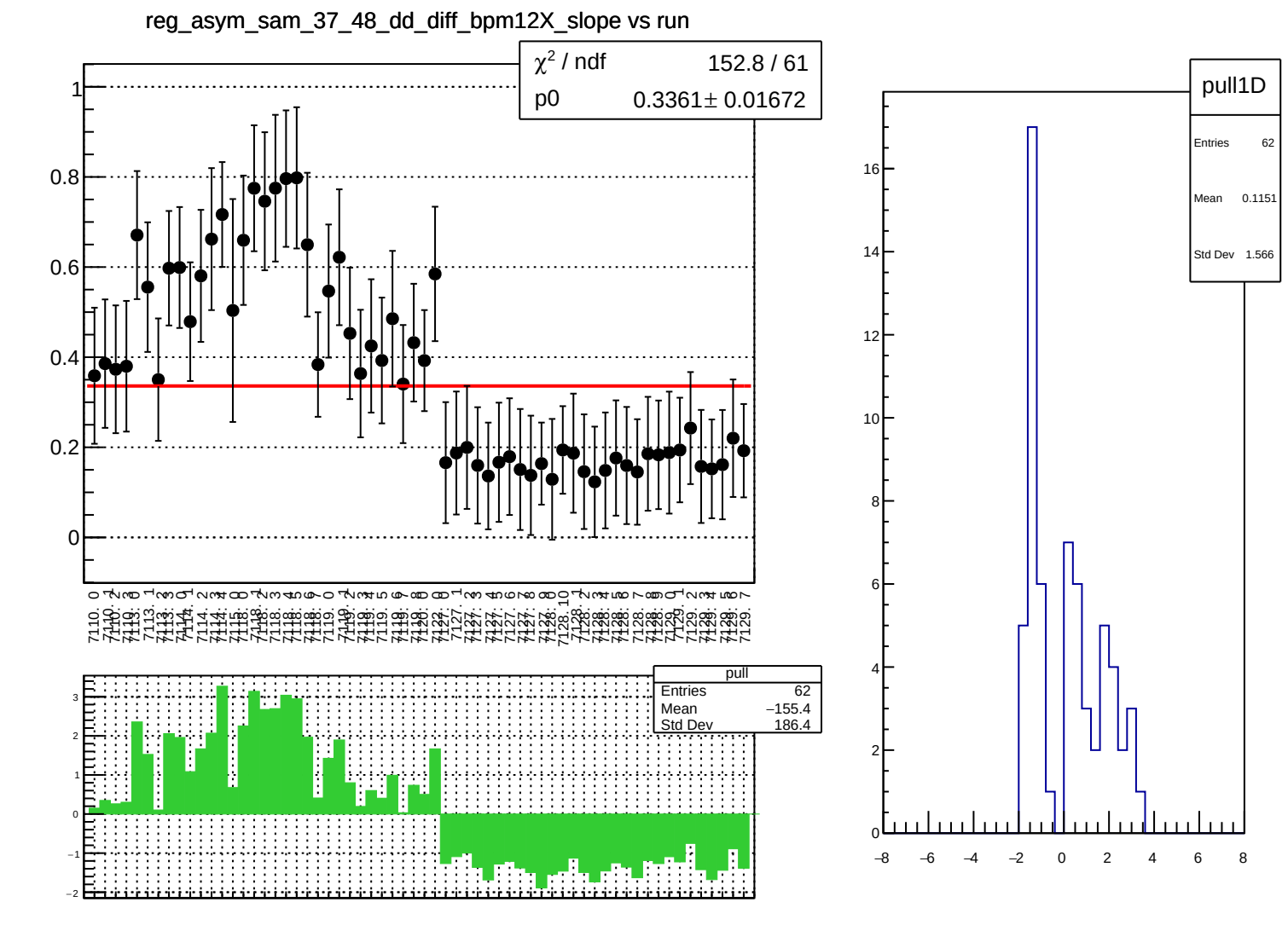

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 805.6 / 61
p0 11.9 ± 0.4086
pull
Entries 62
Mean 151.4
Std Dev 117.3
pull1D
Entries 62
Mean −0.7818
Std Dev 2.907

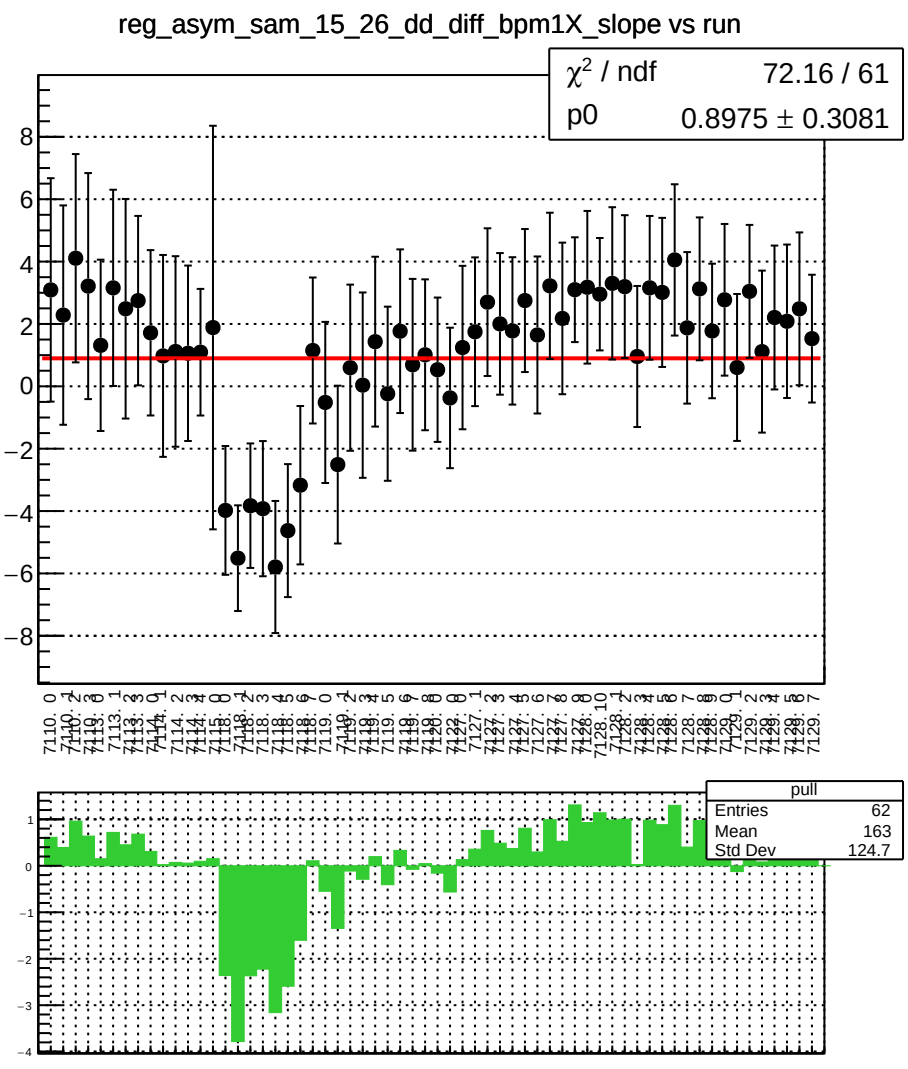

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 265.1 / 61
p0 3.952 ± 0.3492
pull
Entries 62
Mean −929.7
Std Dev 961.7
pull1D
Entries 62
Mean −0.02298
Std Dev 2.068

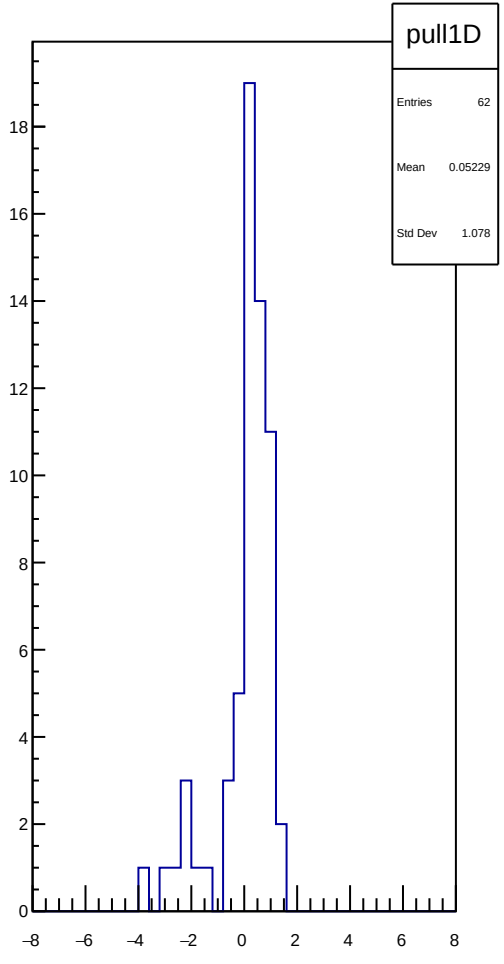

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 753.9 / 61
p0 6.546 ± 0.4061
pull
Entries 62
Mean 164.9
Std Dev 132.1
pull1D
Entries 62
Mean 0.619
Std Dev 3.002

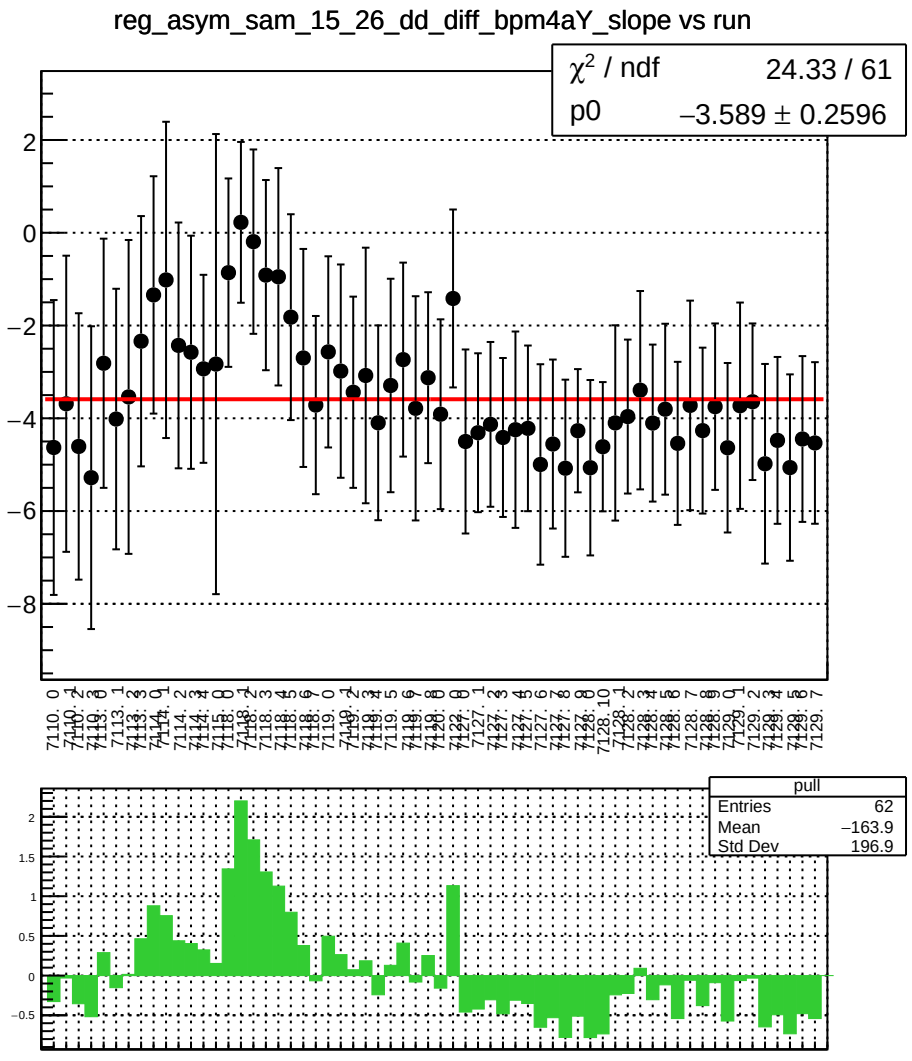

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 154.3 / 61
p0 −53.17 ± 0.3685
pull
Entries 62
Mean −313.4
Std Dev 354.9

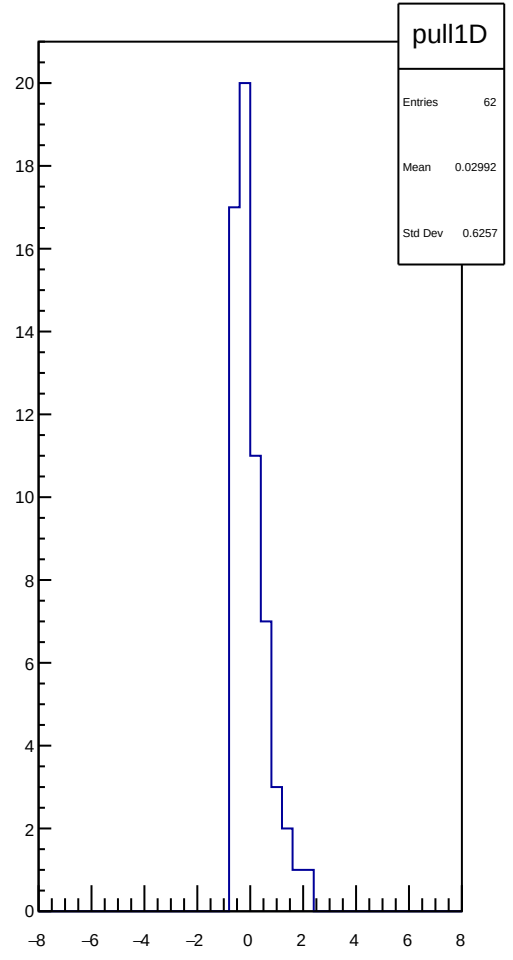

pull1D
Entries 62
Mean 0.02304
Std Dev 1.578

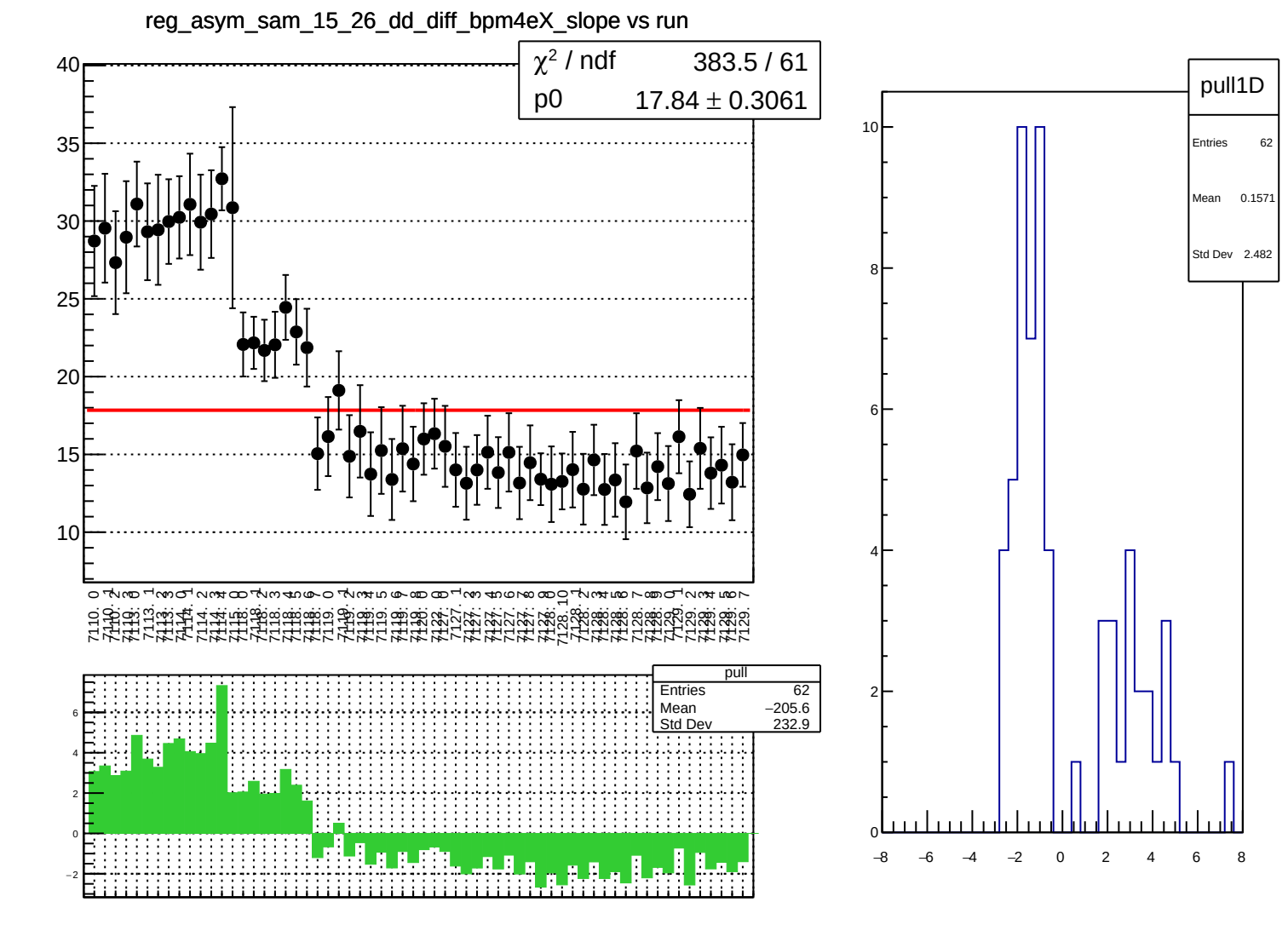

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 152.8 / 61
p0 0.3361± 0.01672
pull
Entries 62
Mean −155.4
Std Dev 186.4
pull1D
Entries 62
Mean 0.1151
Std Dev 1.566

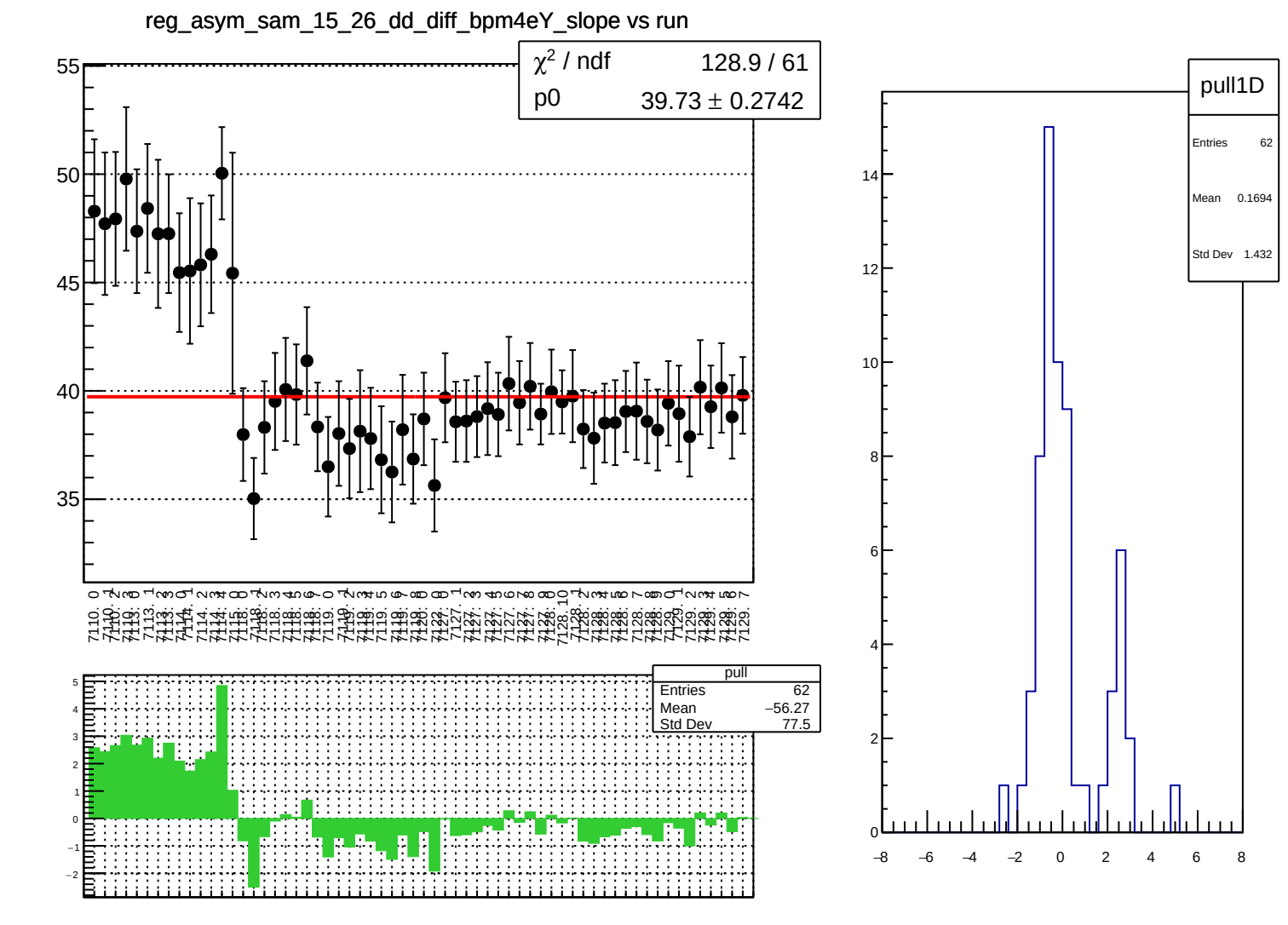

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 72.16 / 61
p0 0.8975 ± 0.3081
pull
Entries 62
Mean 163
Std Dev 124.7

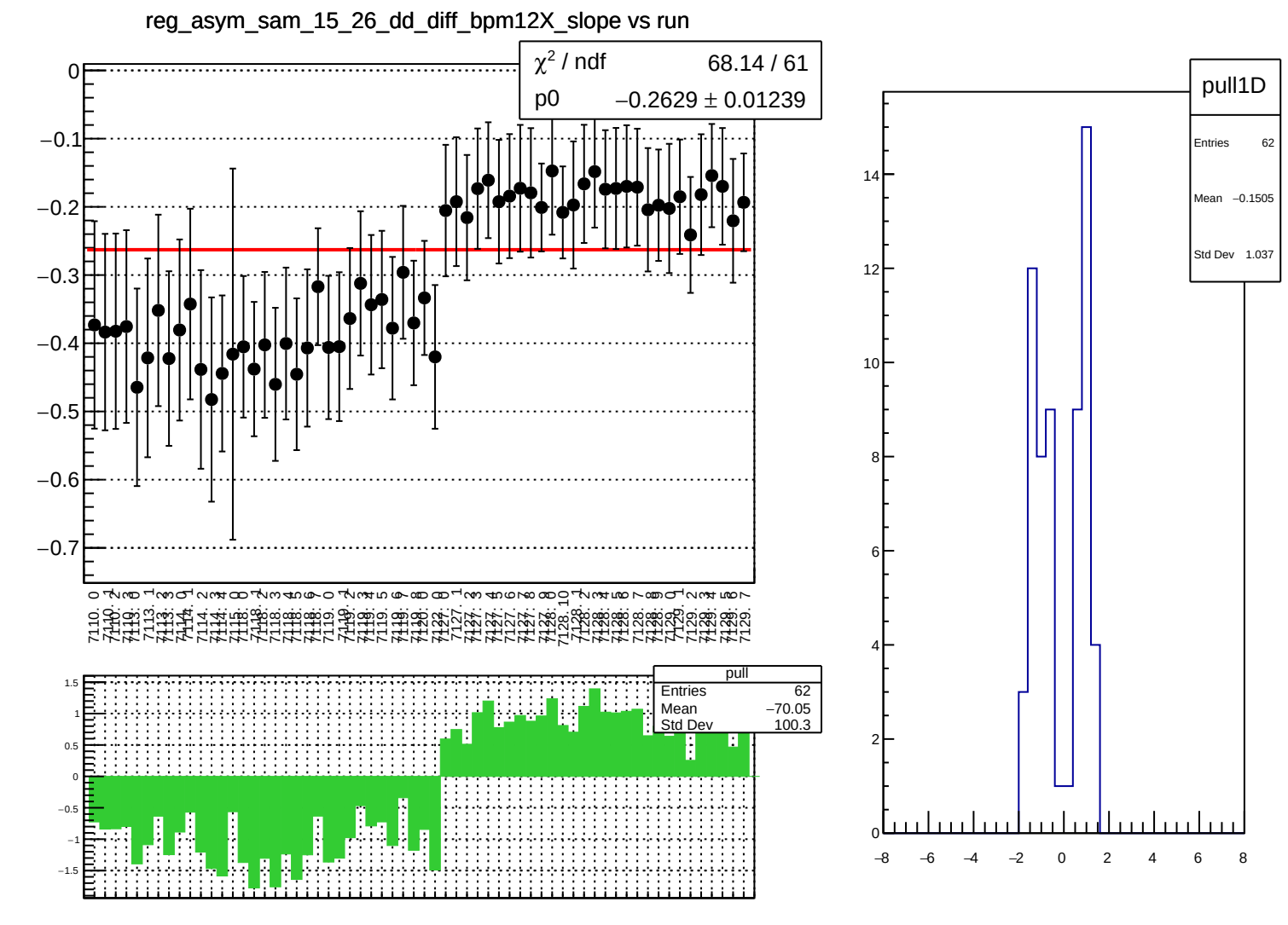

pull1D
Entries 62
Mean 0.05229
Std Dev 1.078

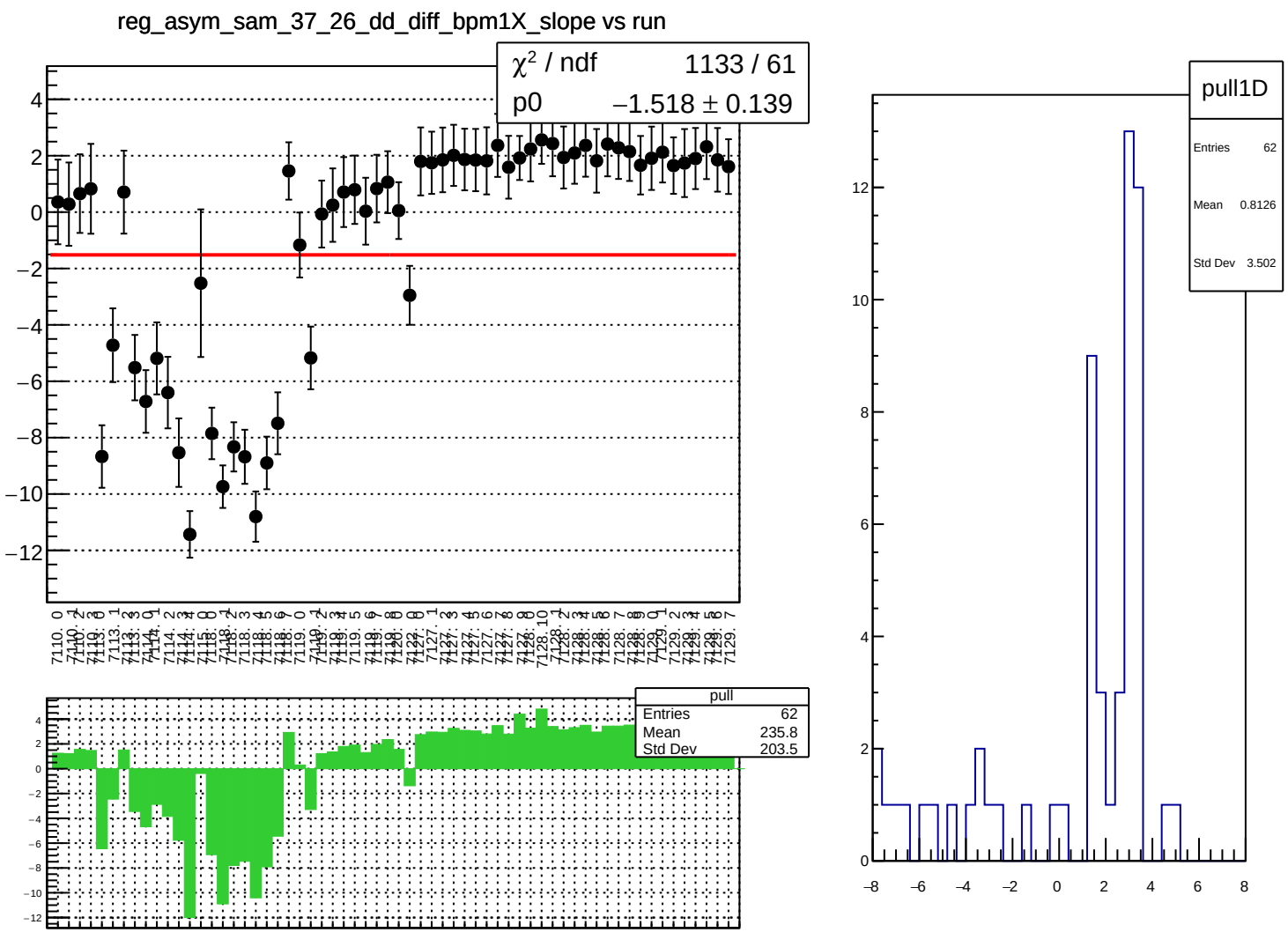

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.33 / 61
p0 −3.589 ± 0.2596
pull
Entries 62
Mean −163.9
Std Dev 196.9

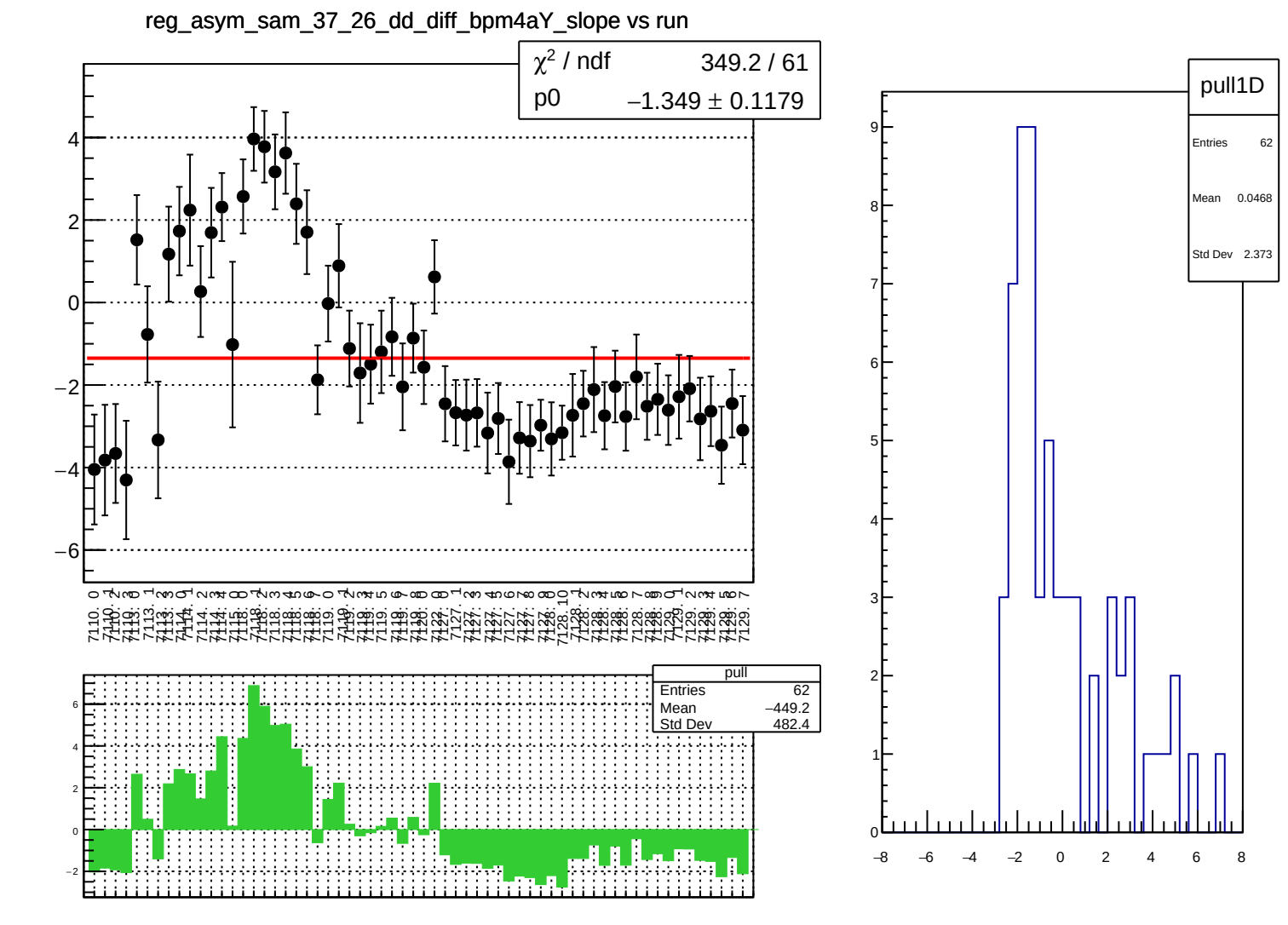

pull1D
Entries 62
Mean 0.02992
Std Dev 0.6257

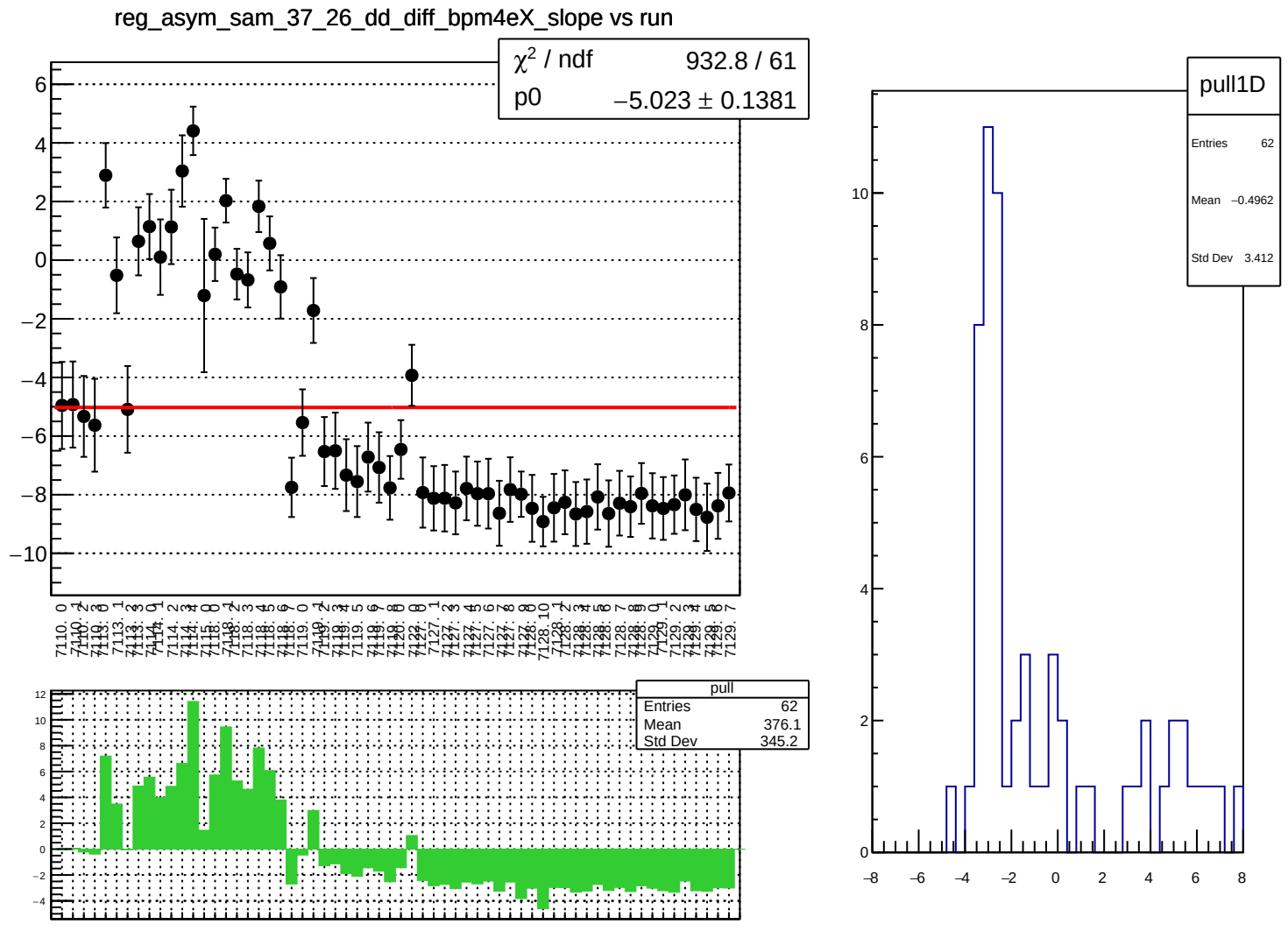

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 383.5 / 61
p0 17.84 ± 0.3061
pull
Entries 62
Mean −205.6
Std Dev 232.9
pull1D
Entries 62
Mean 0.1571
Std Dev 2.482

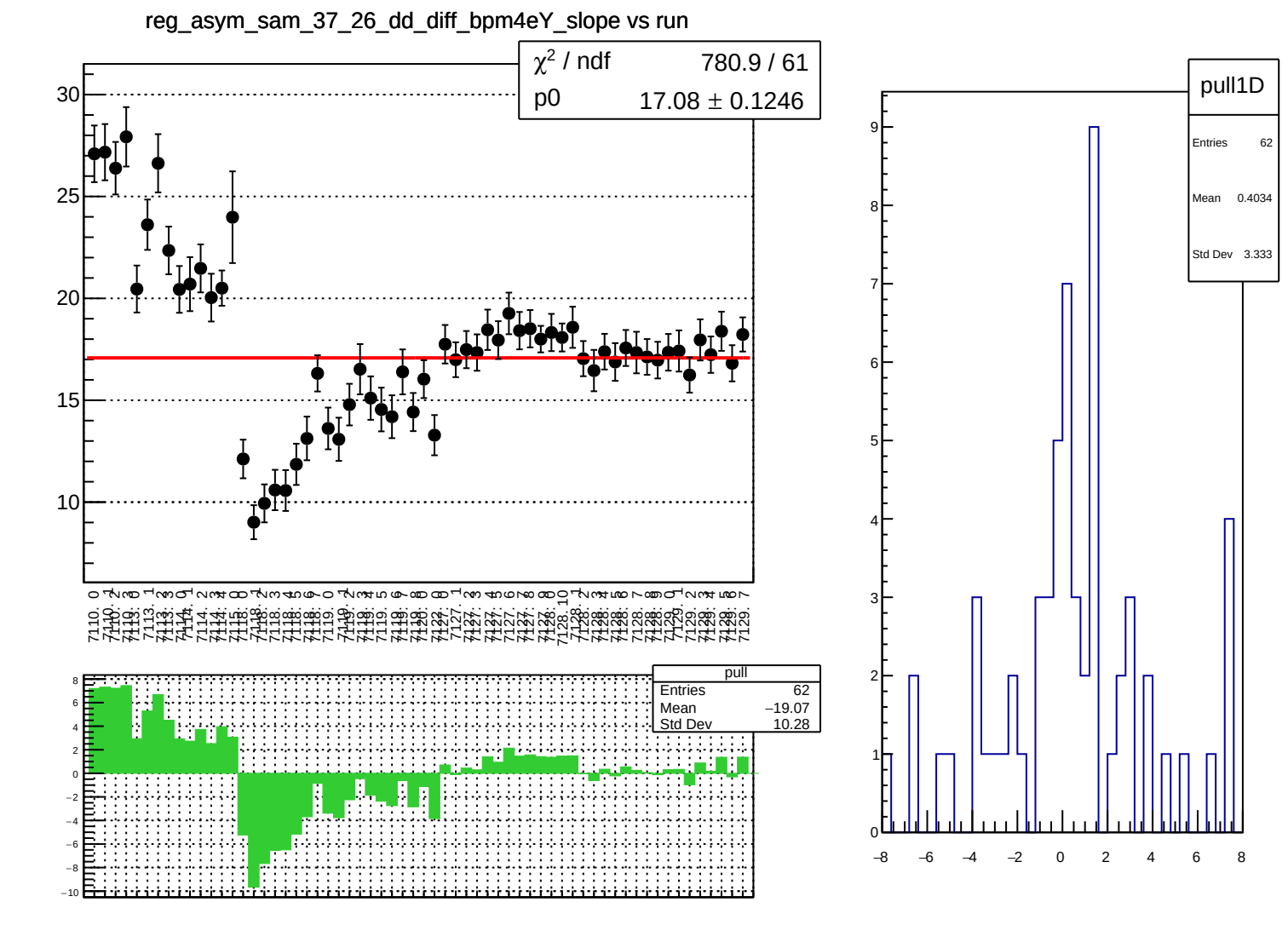

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 128.9 / 61
p0 39.73 ± 0.2742
pull
Entries 62
Mean −56.27
Std Dev 77.5
pull1D
Entries 62
Mean 0.1694
Std Dev 1.432

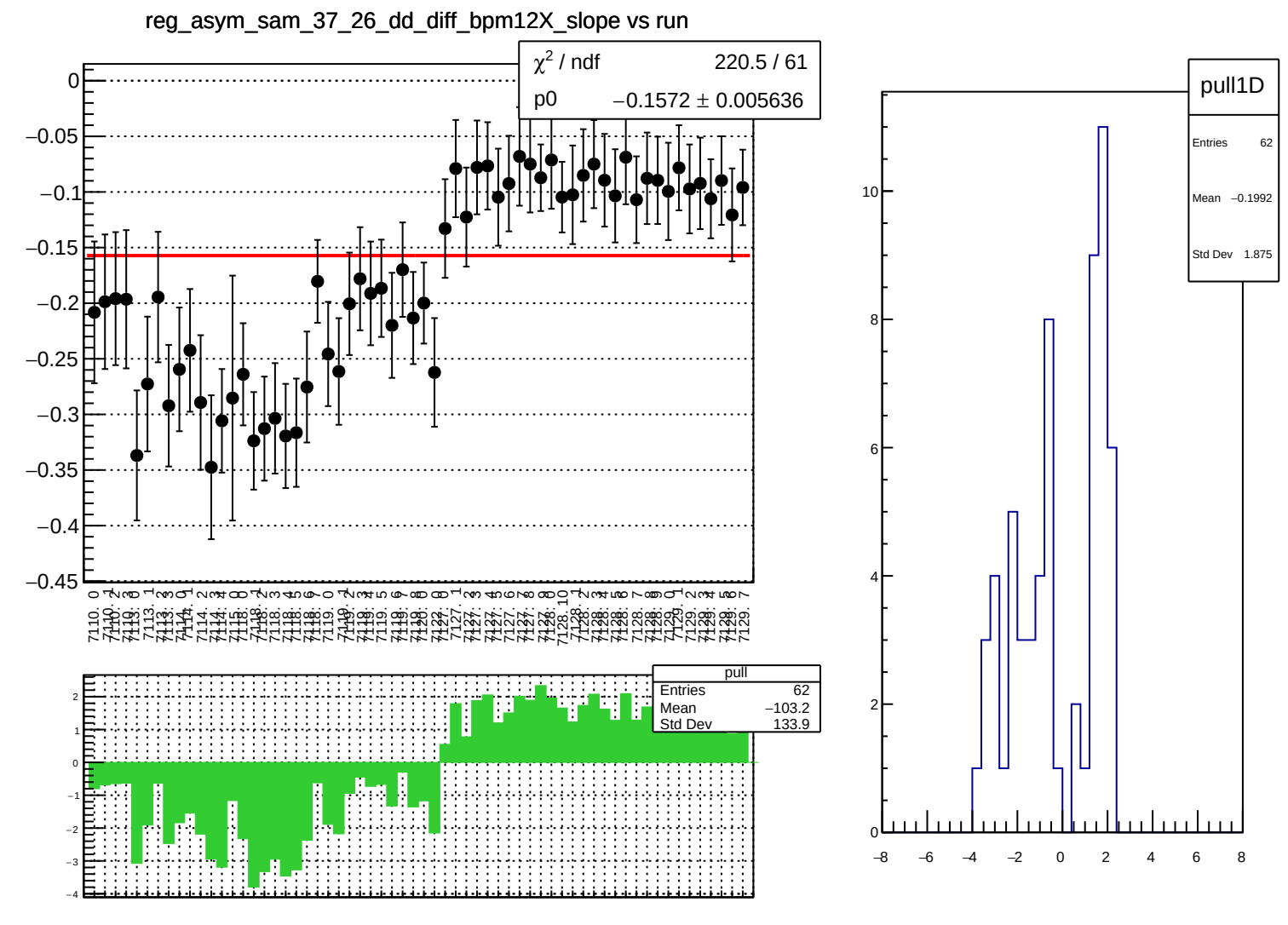

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 68.14 / 61
p0 −0.2629 ± 0.01239
pull
Entries 62
Mean −70.05
Std Dev 100.3
pull1D
Entries 62
Mean −0.1505
Std Dev 1.037

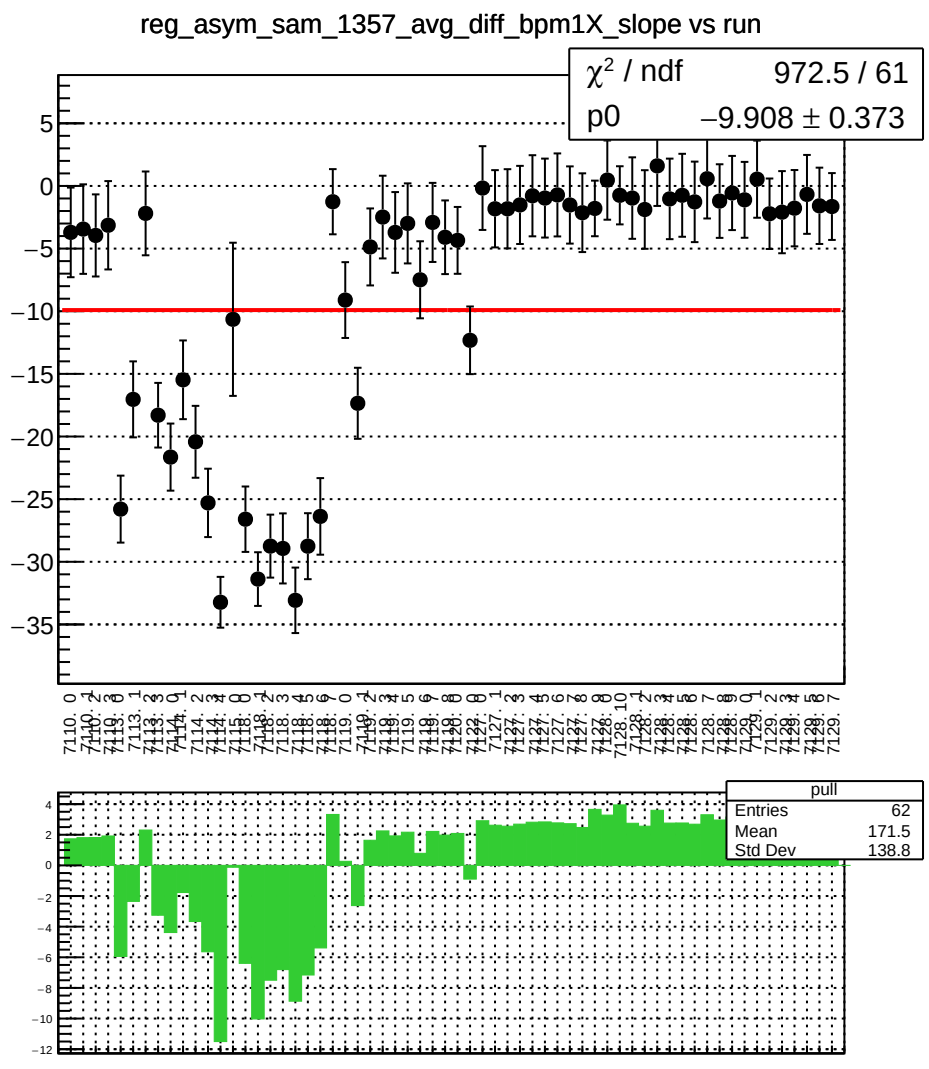

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1133 / 61
p0 −1.518 ± 0.139
pull
Entries 62
Mean 235.8
Std Dev 203.5
pull1D
Entries 62
Mean 0.8126
Std Dev 3.502

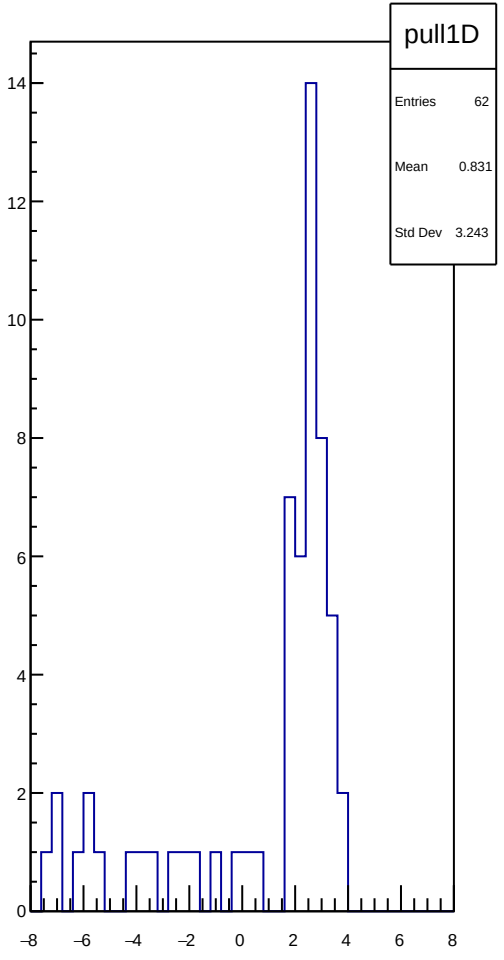

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 349.2 / 61
p0 −1.349 ± 0.1179
pull
Entries 62
Mean −449.2
Std Dev 482.4
pull1D
Entries 62
Mean 0.0468
Std Dev 2.373

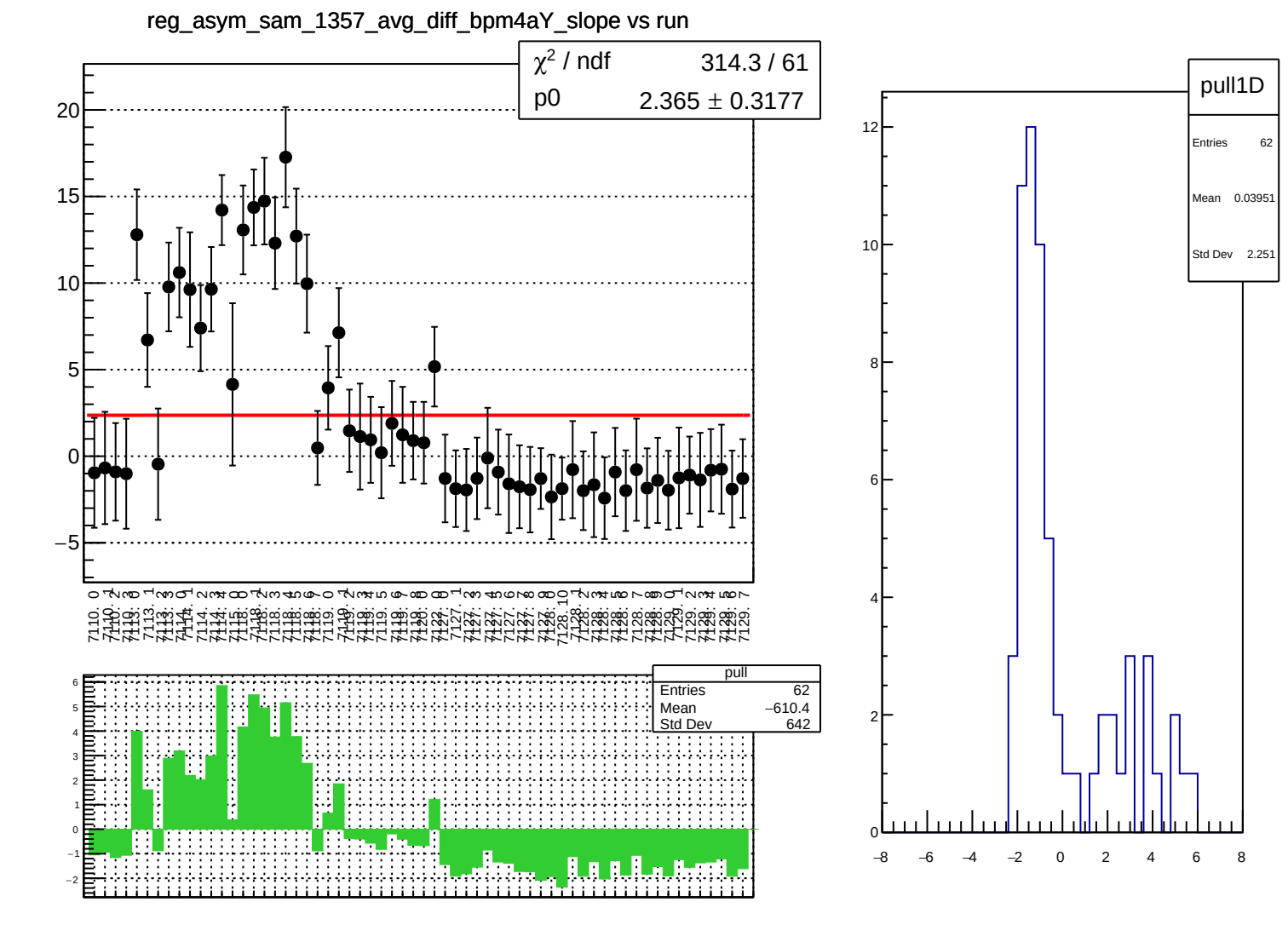

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 932.8 / 61
p0 −5.023 ± 0.1381
pull
Entries 62
Mean 376.1
Std Dev 345.2
pull1D
Entries 62
Mean −0.4962
Std Dev 3.412

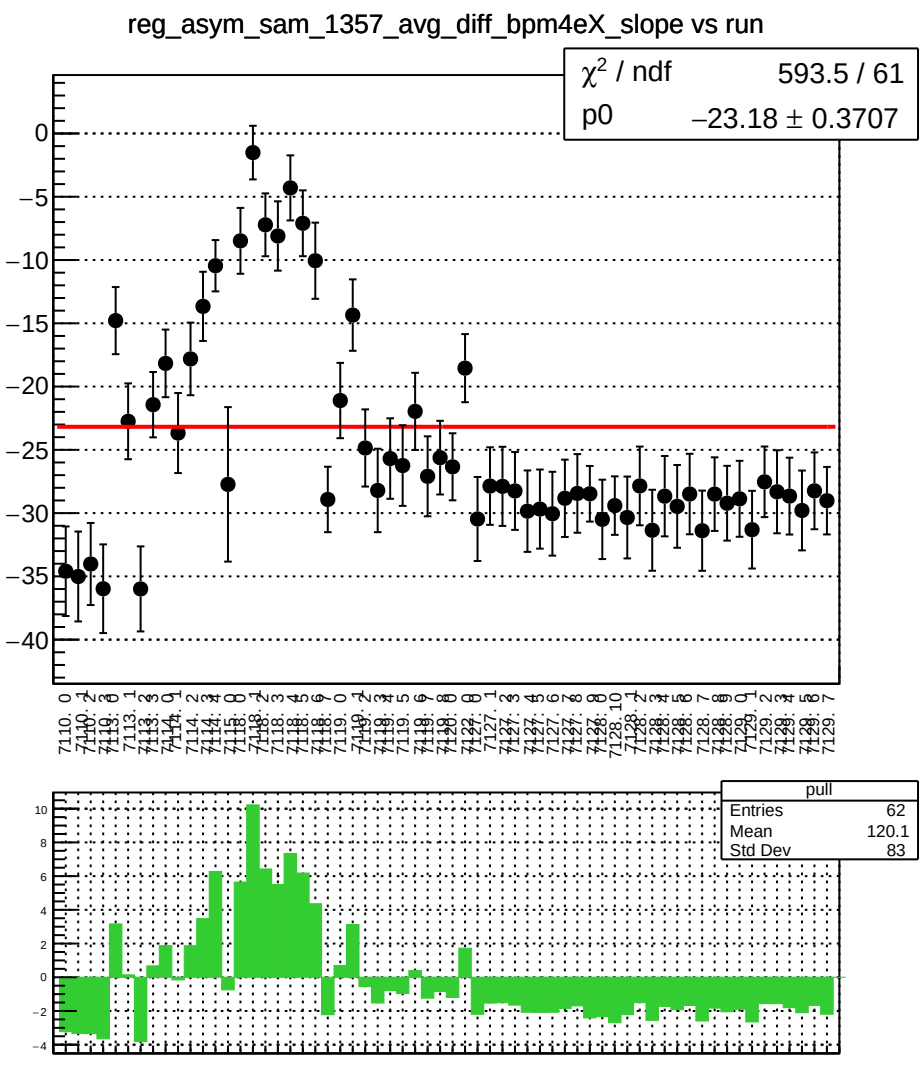

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 780.9 / 61
p0 17.08 ± 0.1246
pull
Entries 62
Mean −19.07
Std Dev 10.28
pull1D
Entries 62
Mean 0.4034
Std Dev 3.333

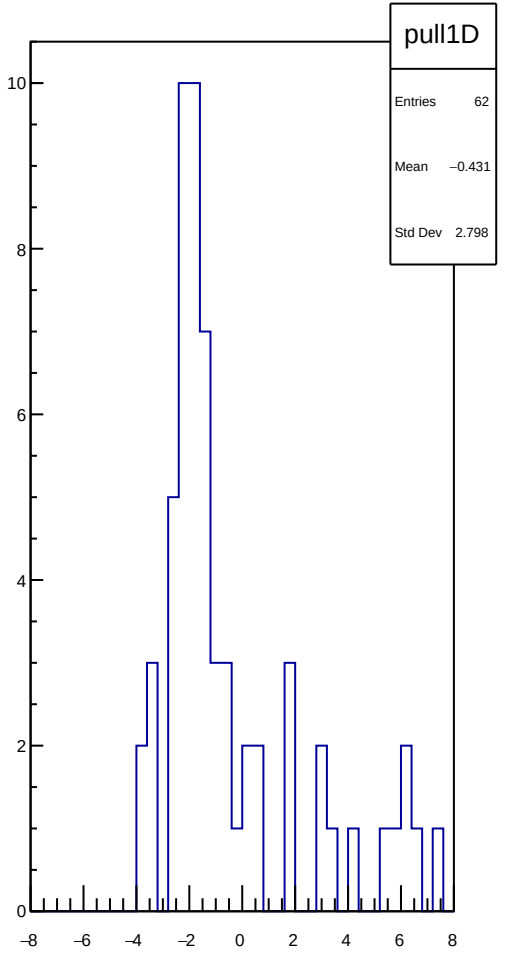

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 220.5 / 61
p0 −0.1572 ± 0.005636
pull
Entries 62
Mean −103.2
Std Dev 133.9
pull1D
Entries 62
Mean −0.1992
Std Dev 1.875

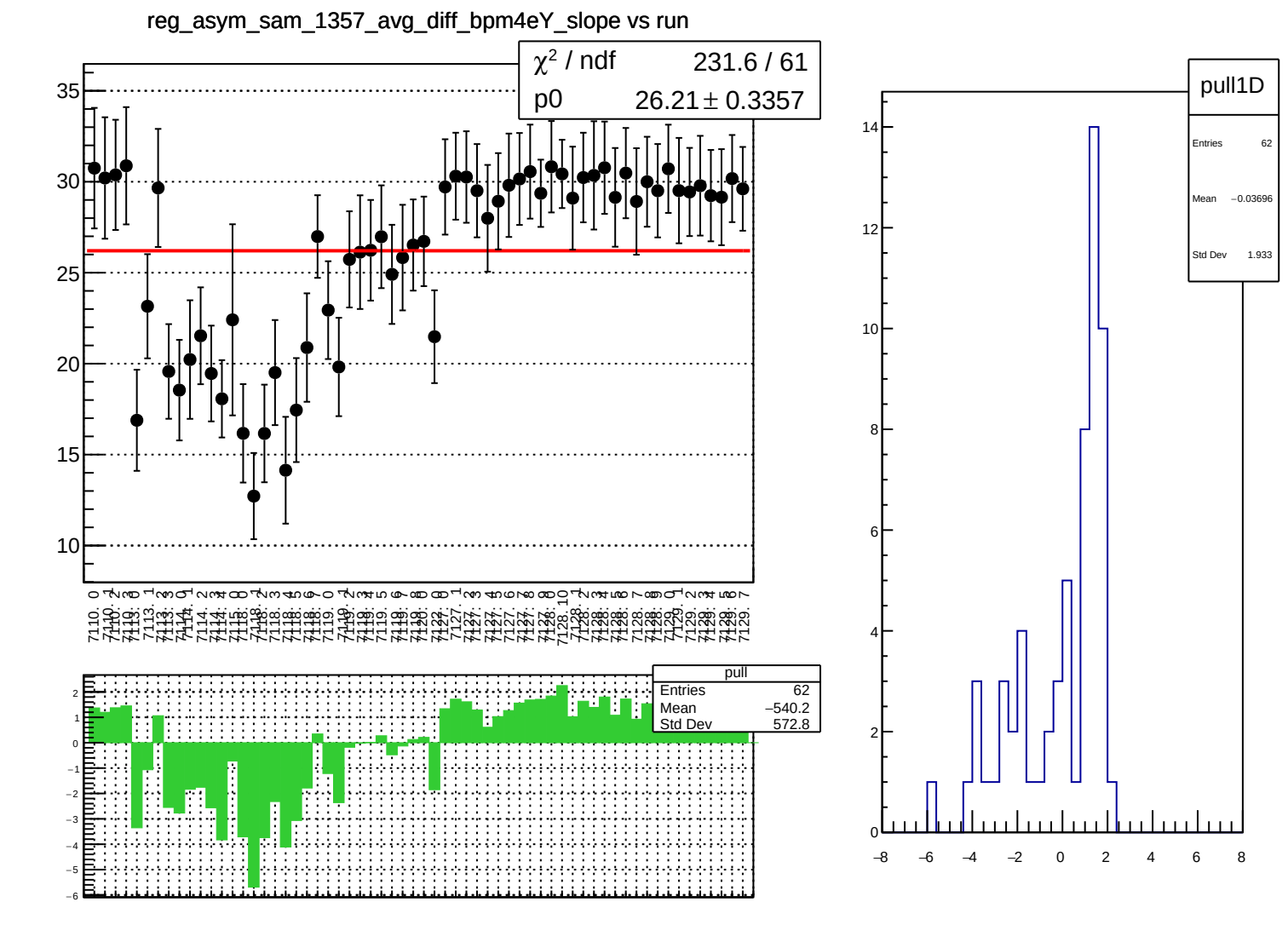

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 972.5 / 61
p0 −9.908 ± 0.373
pull
Entries 62
Mean 171.5
Std Dev 138.8

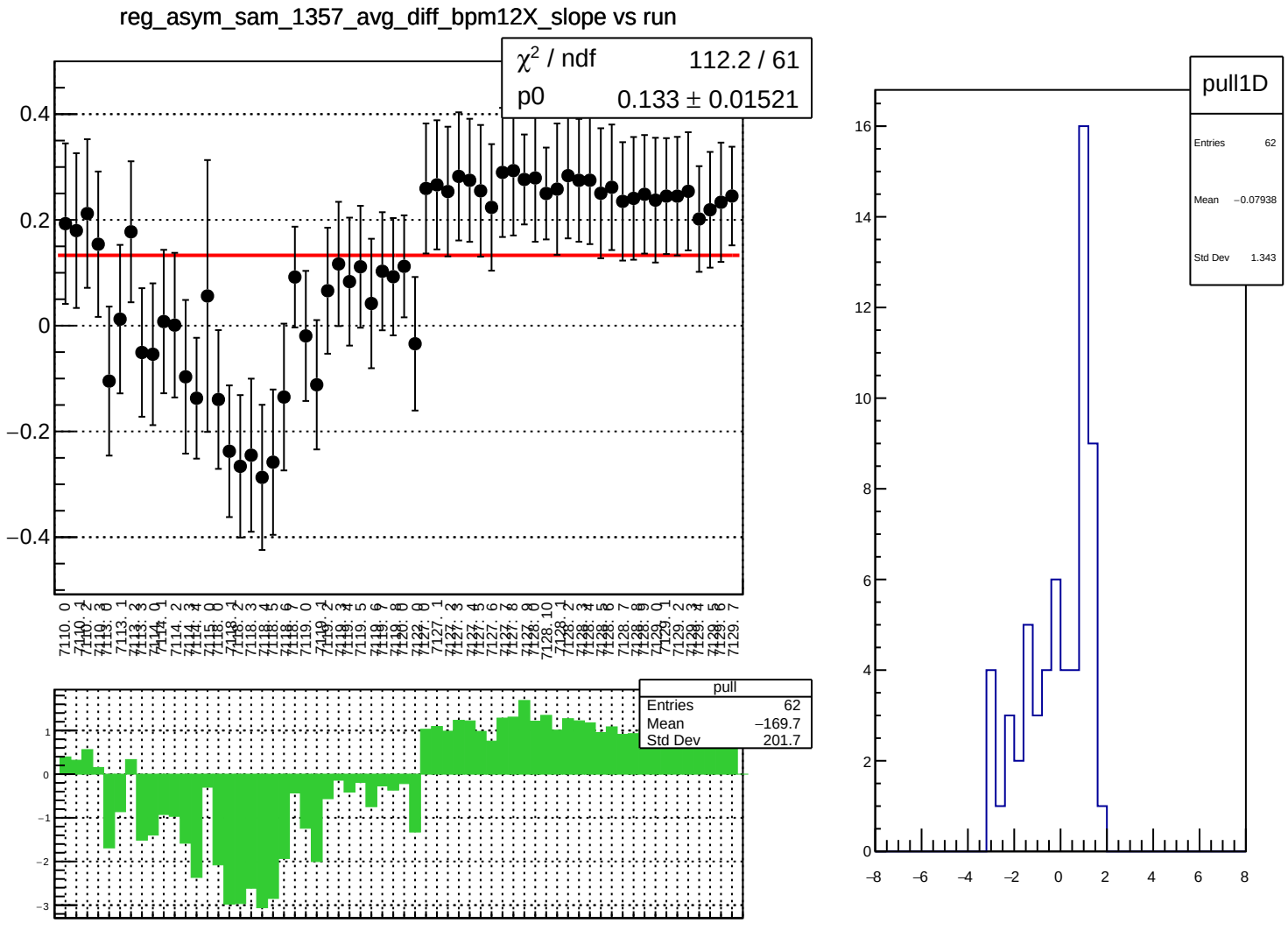

pull1D
Entries 62
Mean 0.831
Std Dev 3.243

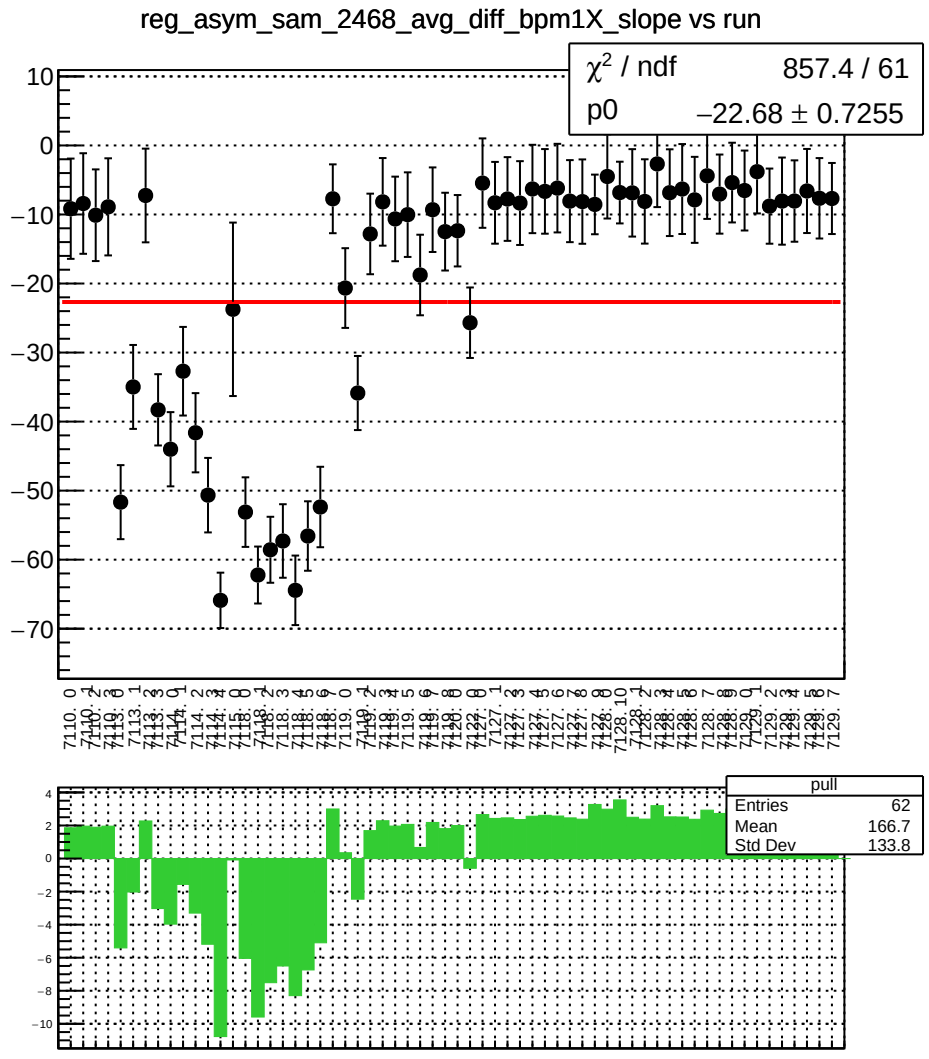

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 314.3 / 61
p0 2.365 ± 0.3177
pull
Entries 62
Mean −610.4
Std Dev 642
pull1D
Entries 62
Mean 0.03951
Std Dev 2.251

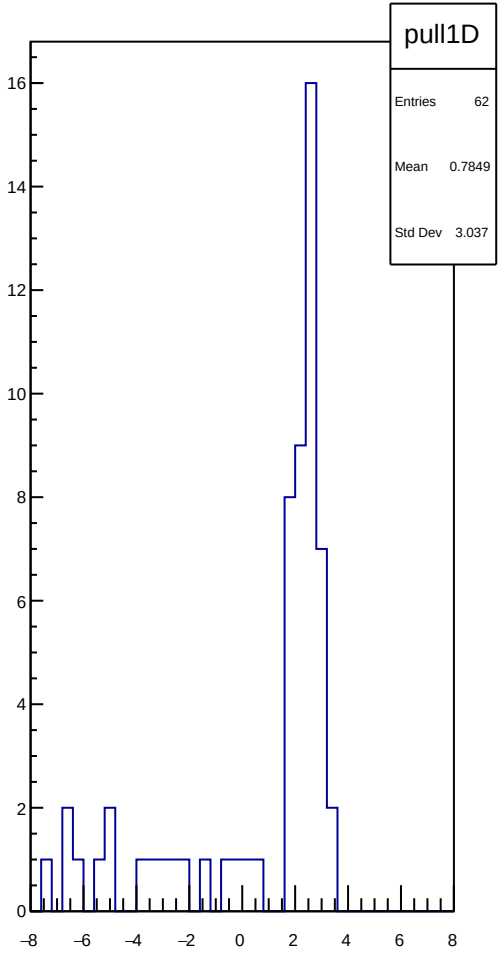

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 593.5 / 61
p0 −23.18 ± 0.3707
pull
Entries 62
Mean 120.1
Std Dev 83

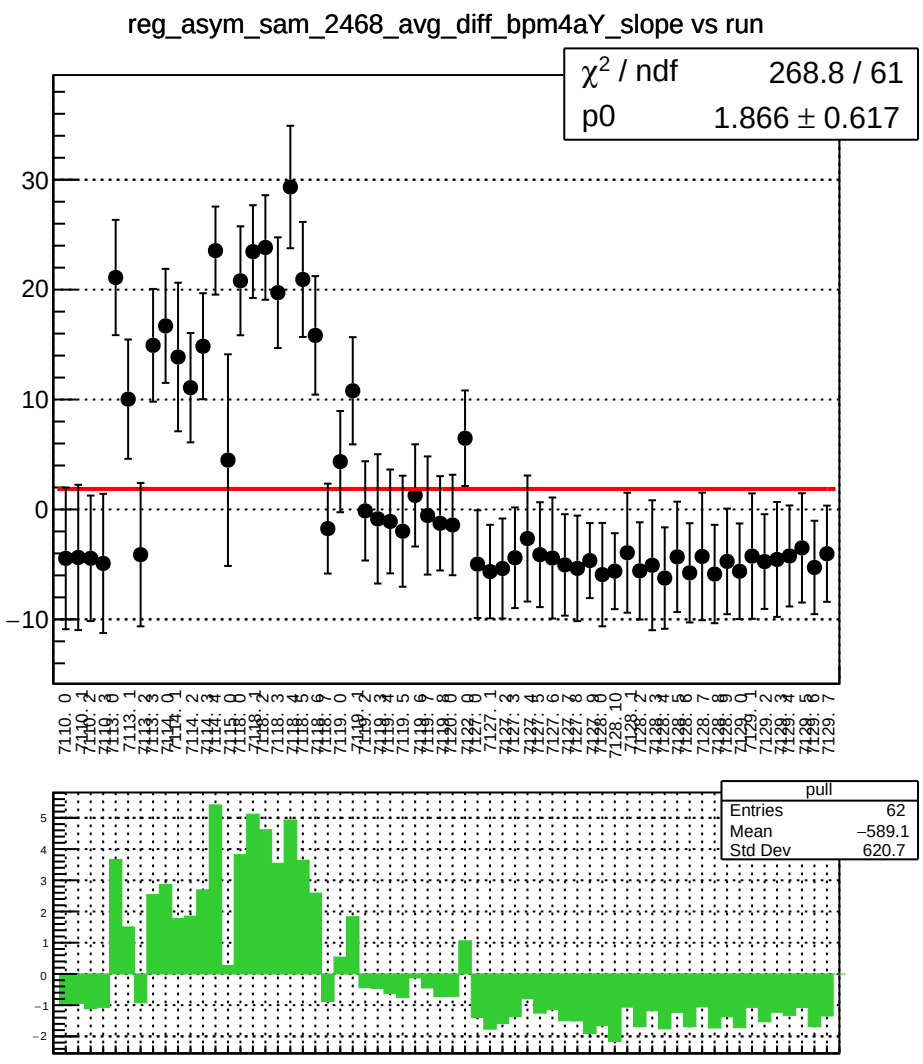

pull1D
Entries 62
Mean −0.431
Std Dev 2.798

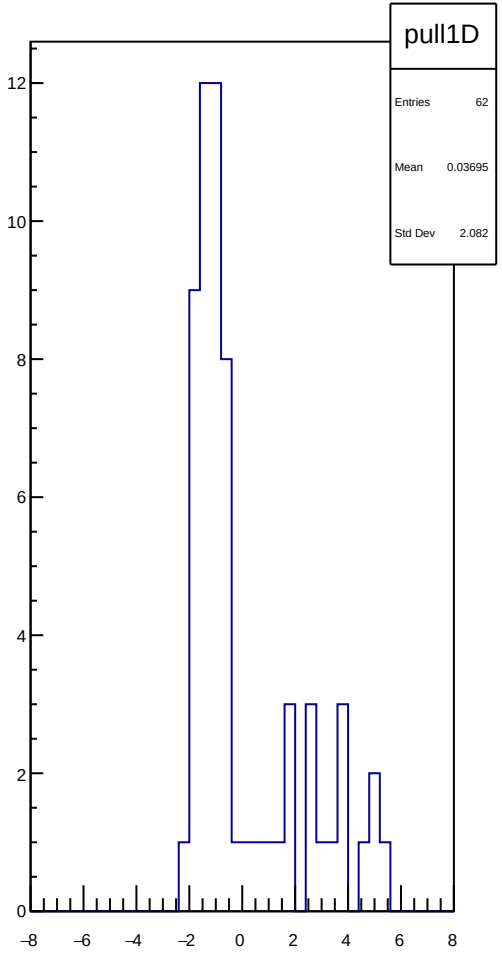

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 231.6 / 61
p0 26.21 ± 0.3357
pull
Entries 62
Mean −540.2
Std Dev 572.8
pull1D
Entries 62
Mean −0.03696
Std Dev 1.933

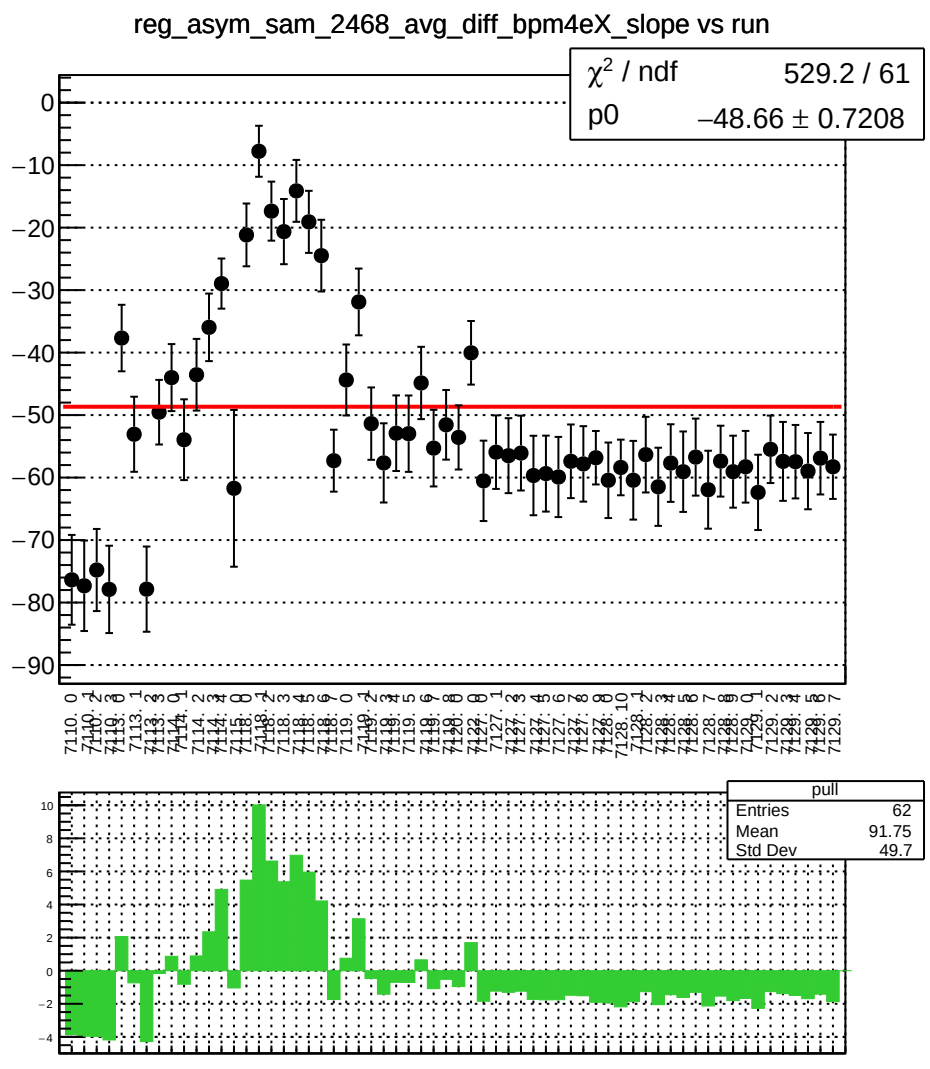

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 112.2 / 61
p0 0.133 ± 0.01521
pull
Entries 62
Mean −169.7
Std Dev 201.7
pull1D
Entries 62
Mean −0.07938
Std Dev 1.343

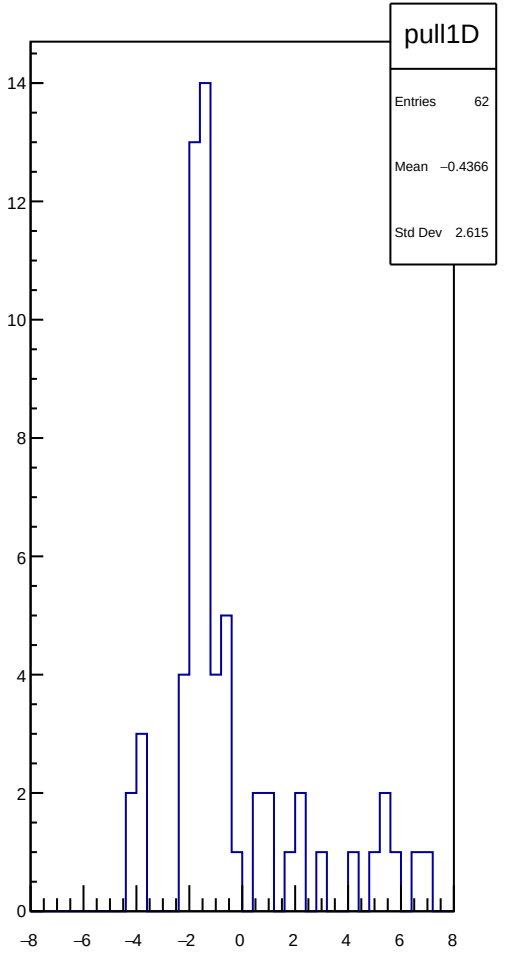

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 857.4 / 61
p0 −22.68 ± 0.7255
pull
Entries 62
Mean 166.7
Std Dev 133.8

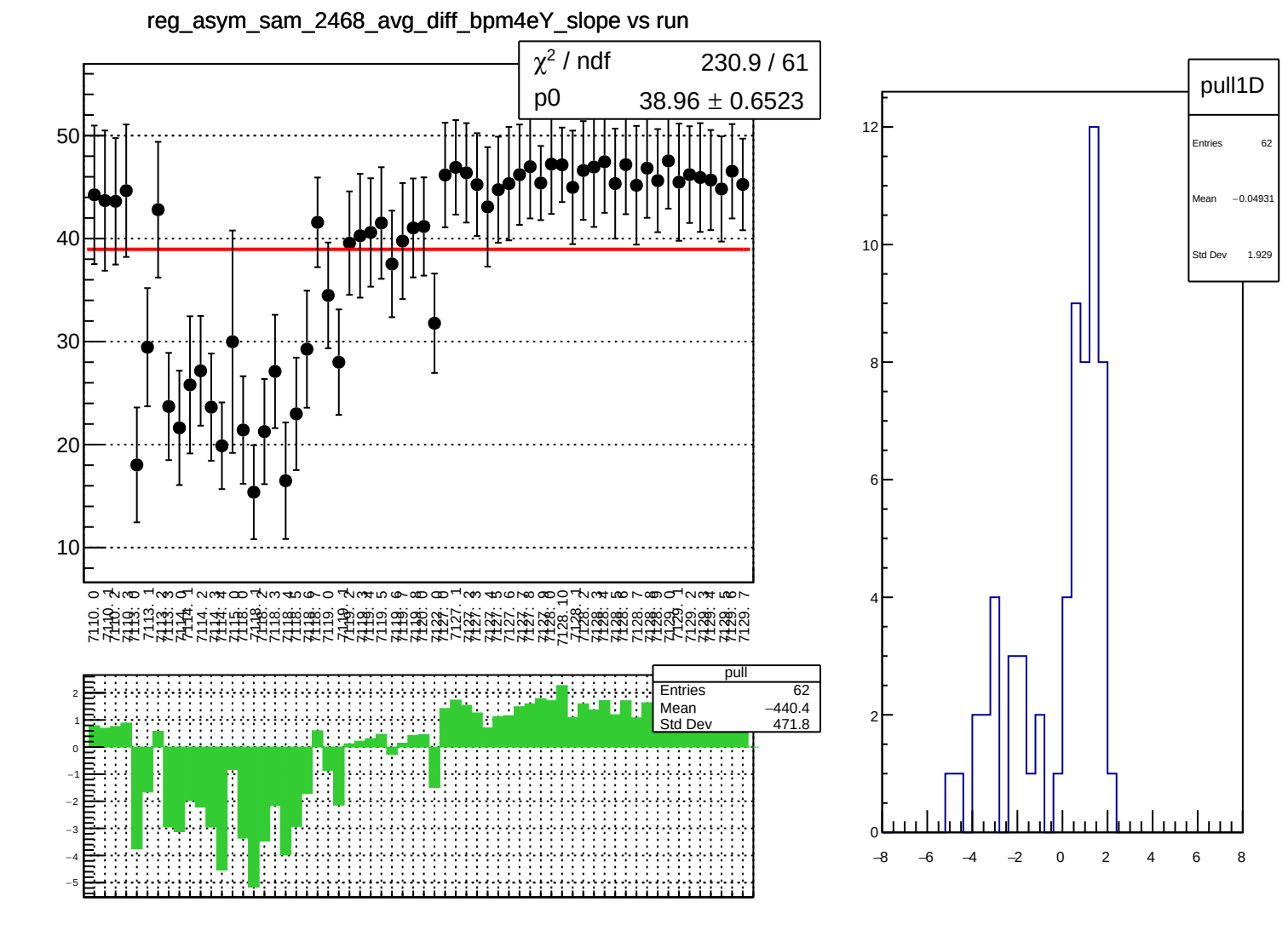

pull1D
Entries 62
Mean 0.7849
Std Dev 3.037

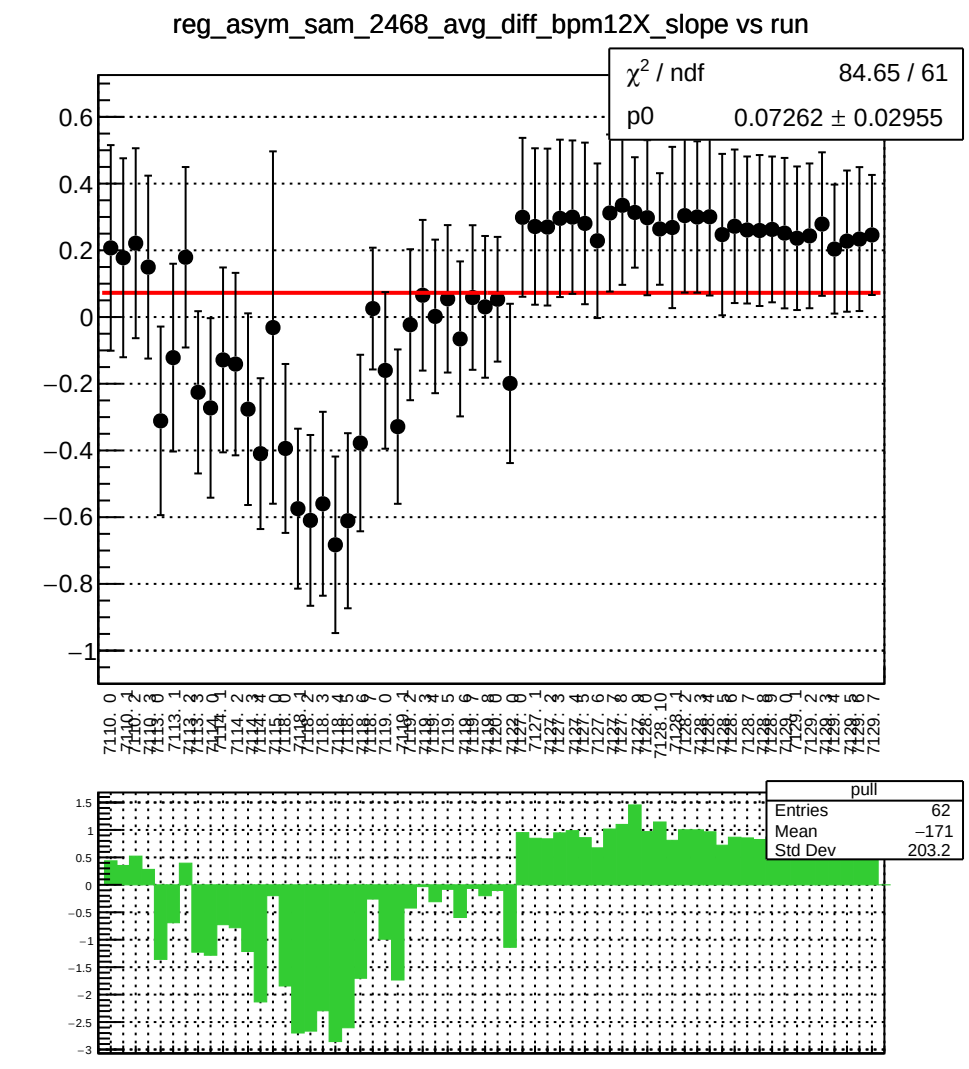

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 268.8 / 61
p0 1.866 ± 0.617
pull
Entries 62
Mean −589.1
Std Dev 620.7

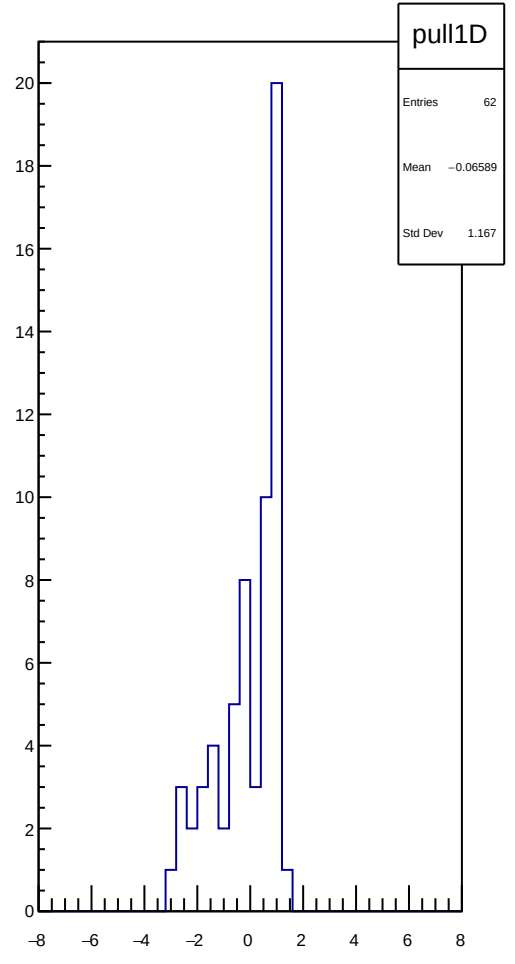

pull1D
Entries 62
Mean 0.03695
Std Dev 2.082

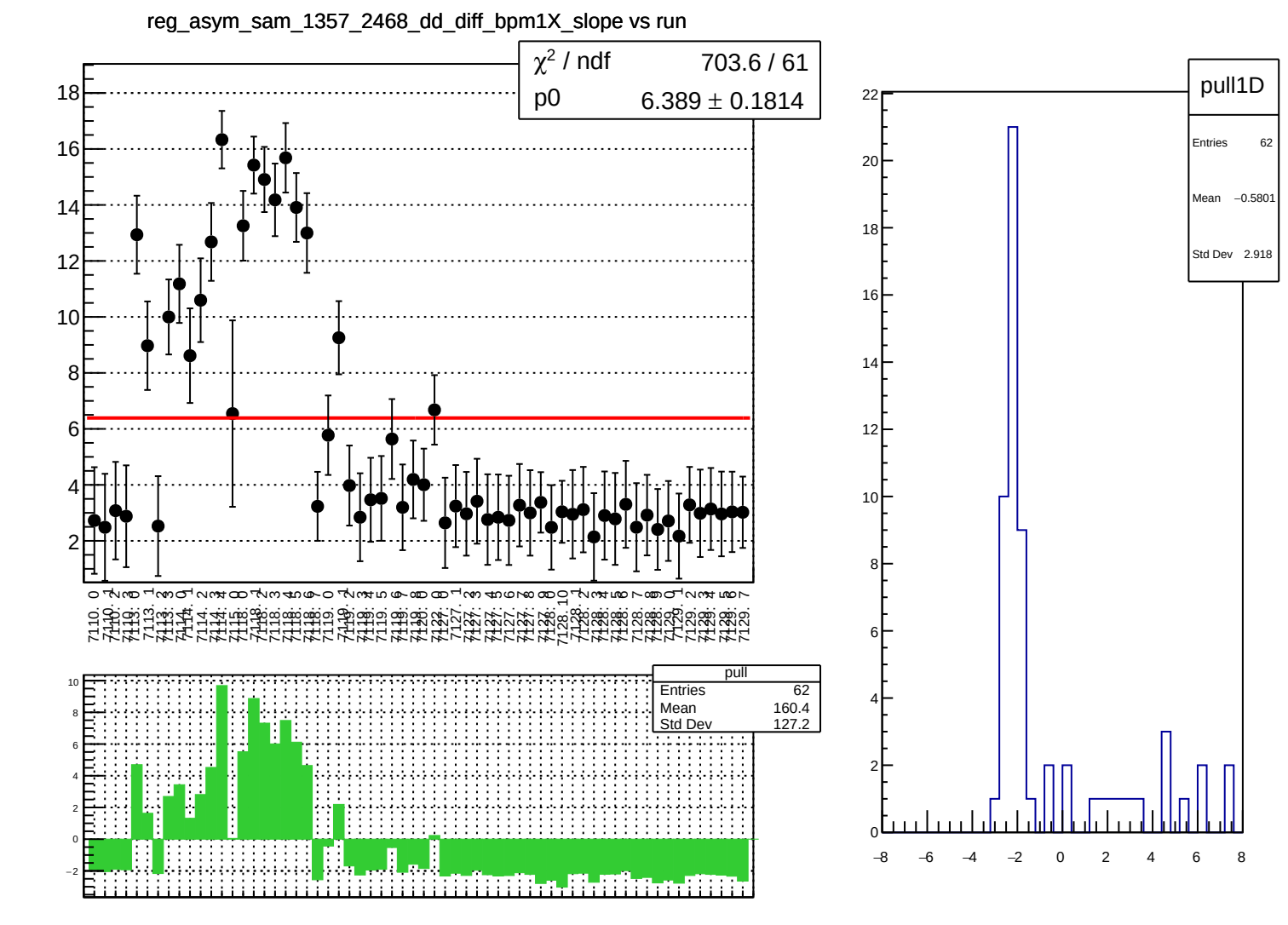

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 529.2 / 61
p0 −48.66 ± 0.7208
pull
Entries 62
Mean 91.75
Std Dev 49.7

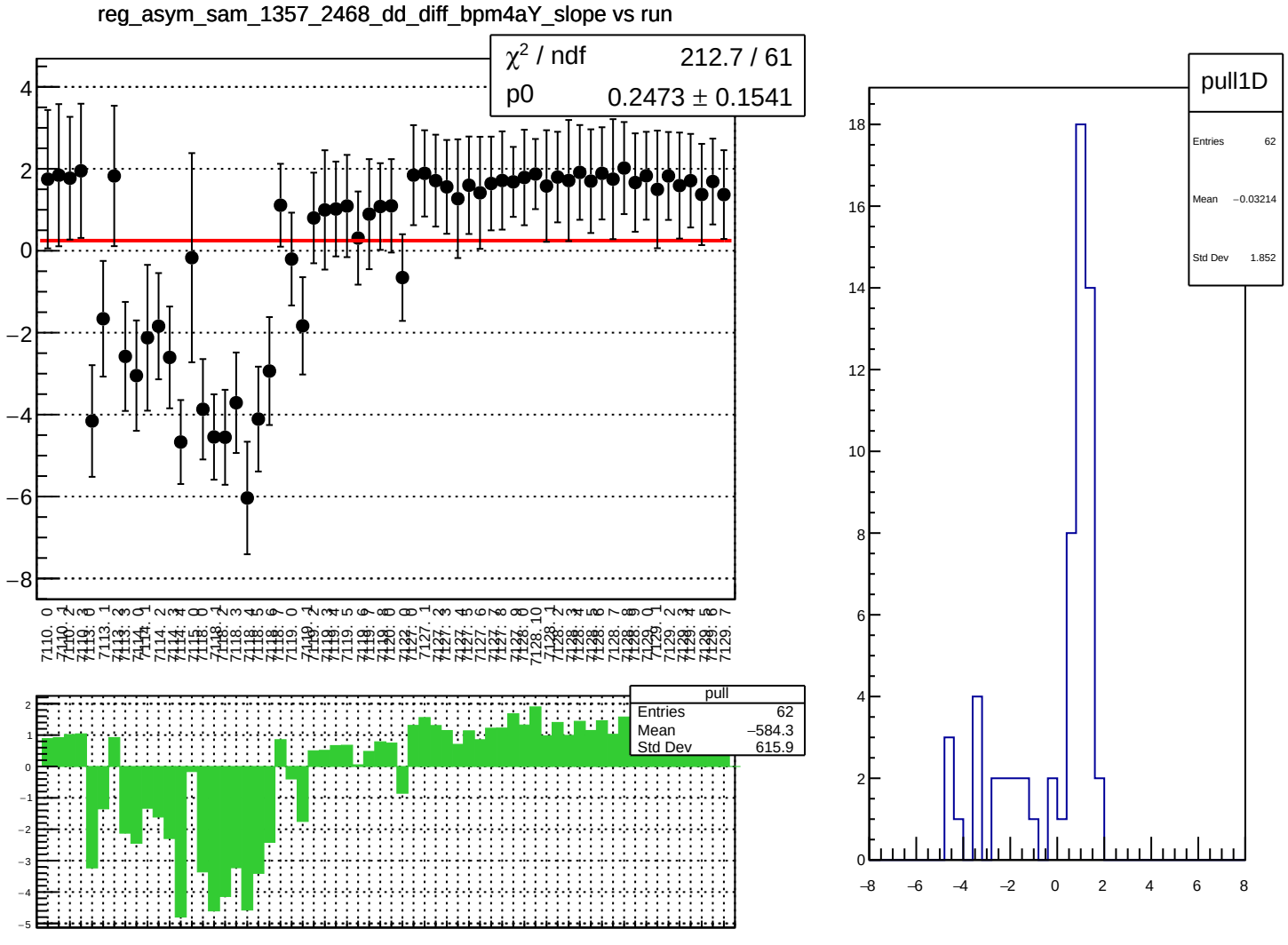

pull1D
Entries 62
Mean −0.4366
Std Dev 2.615

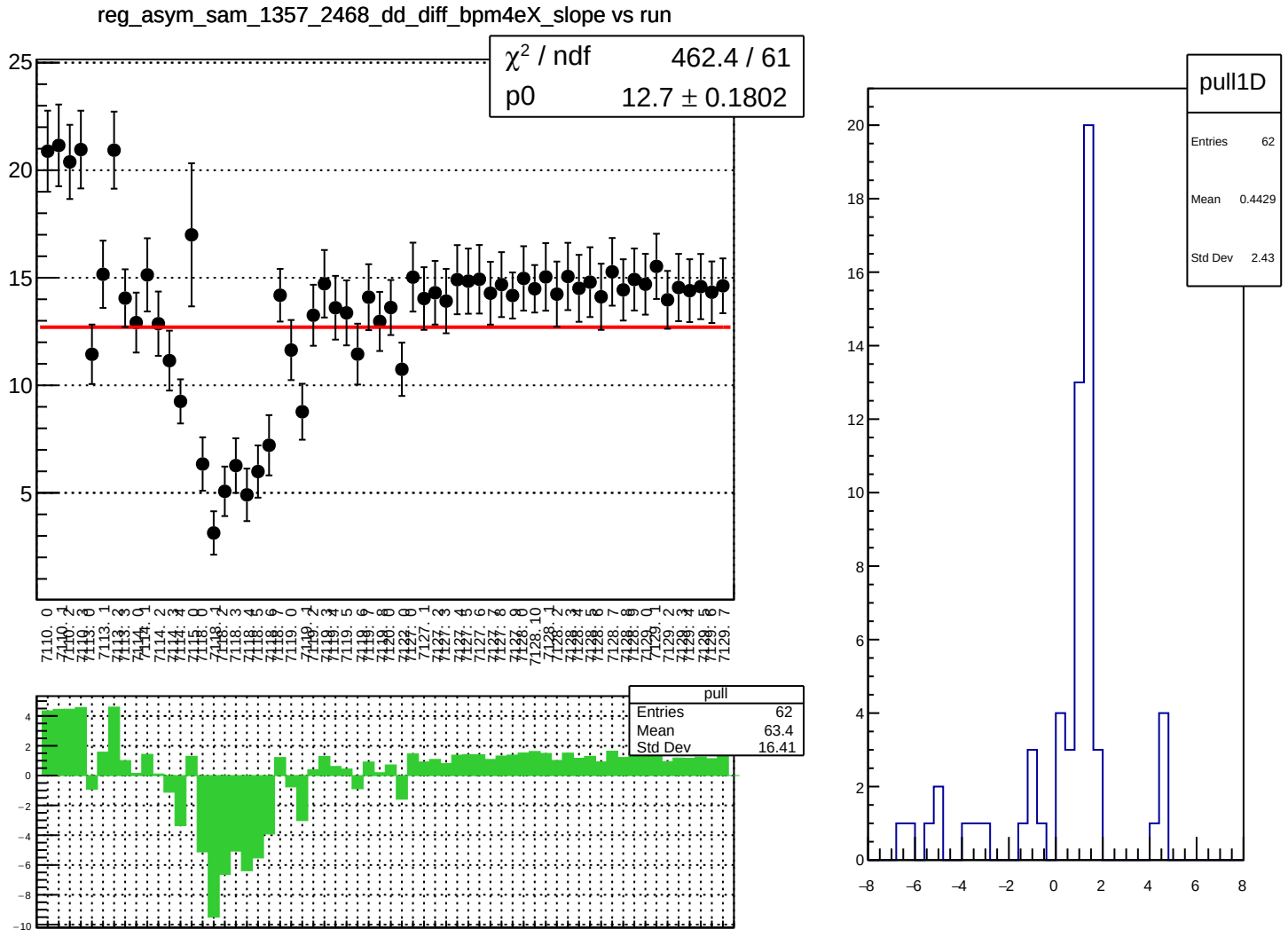

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 230.9 / 61
p0 38.96 ± 0.6523
pull
Entries 62
Mean −440.4
Std Dev 471.8
pull1D
Entries 62
Mean −0.04931
Std Dev 1.929

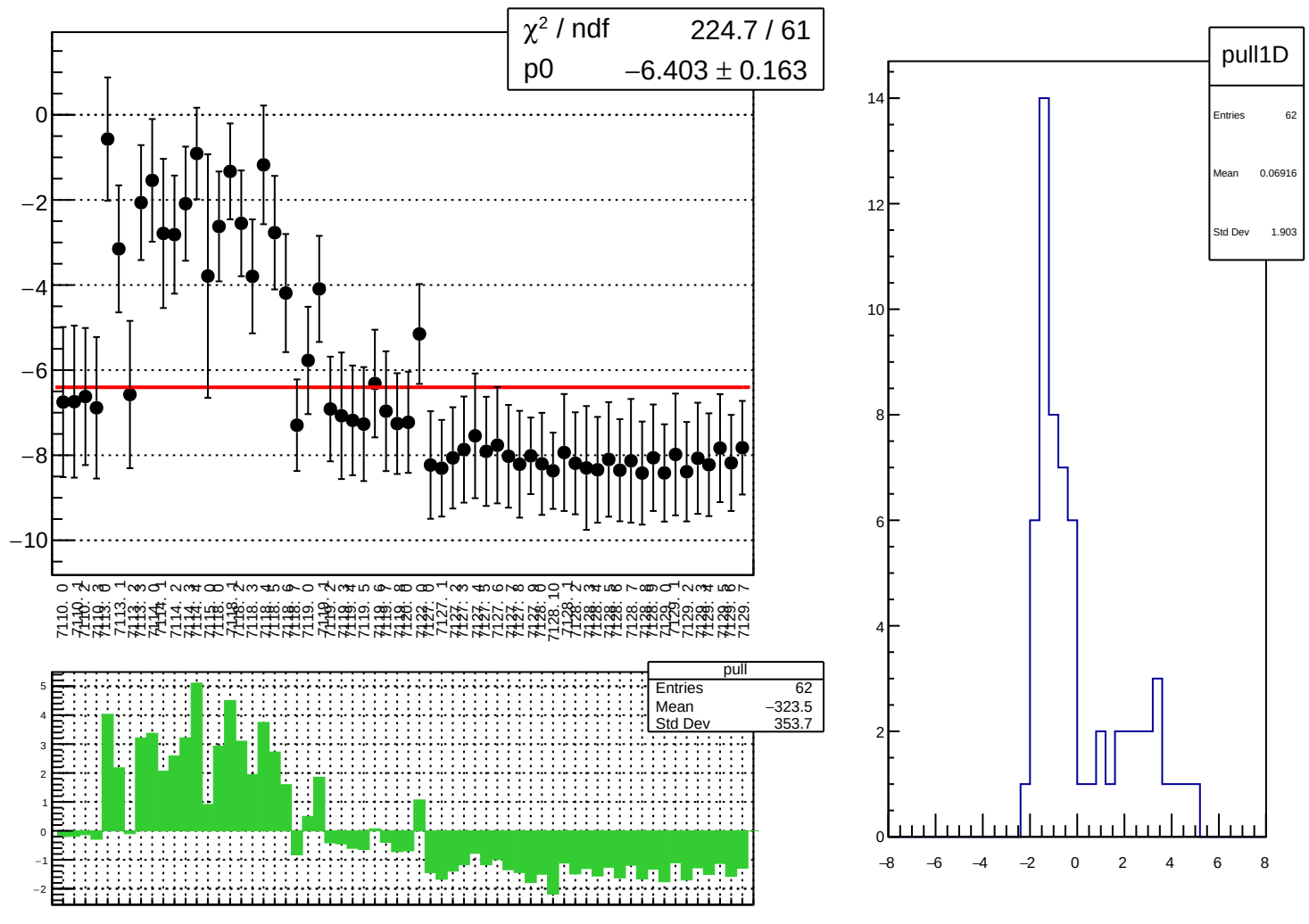

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 84.65 / 61
p0 0.07262 ± 0.02955
pull
Entries 62
Mean −171
Std Dev 203.2

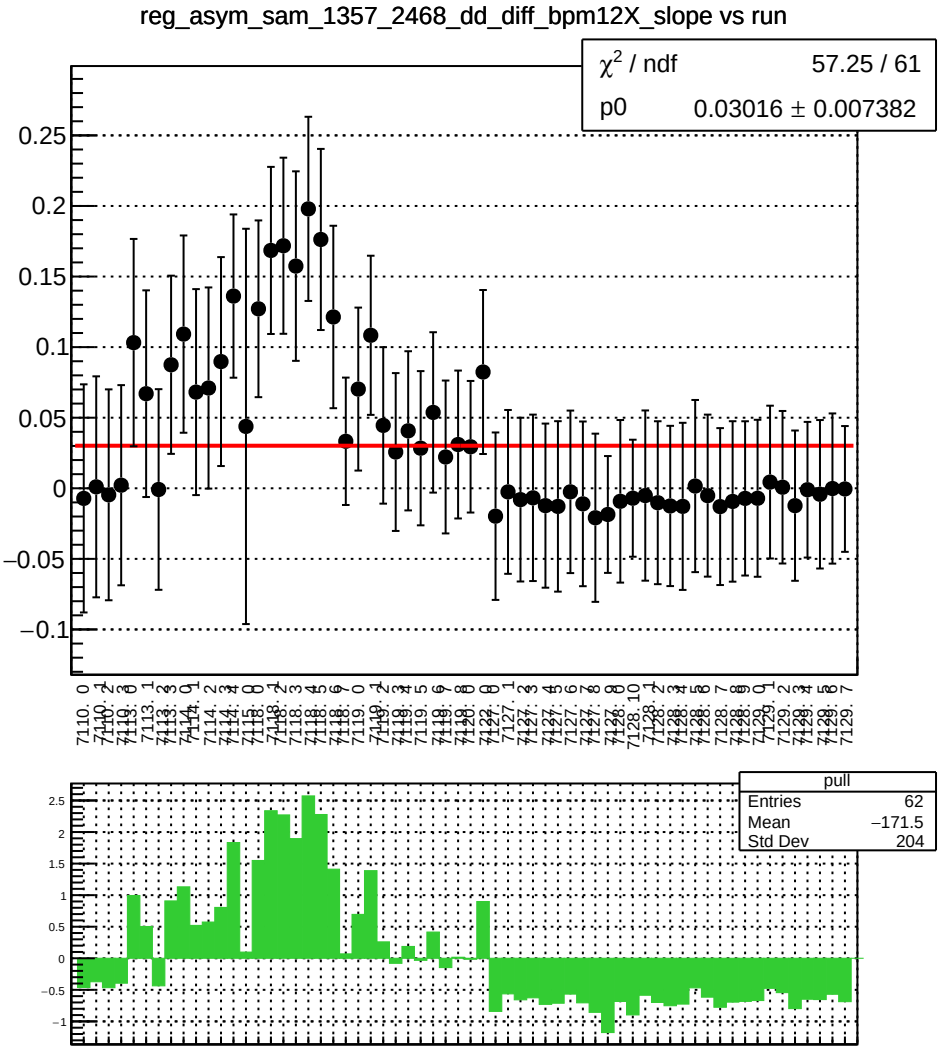

pull1D
Entries 62
Mean −0.06589
Std Dev 1.167

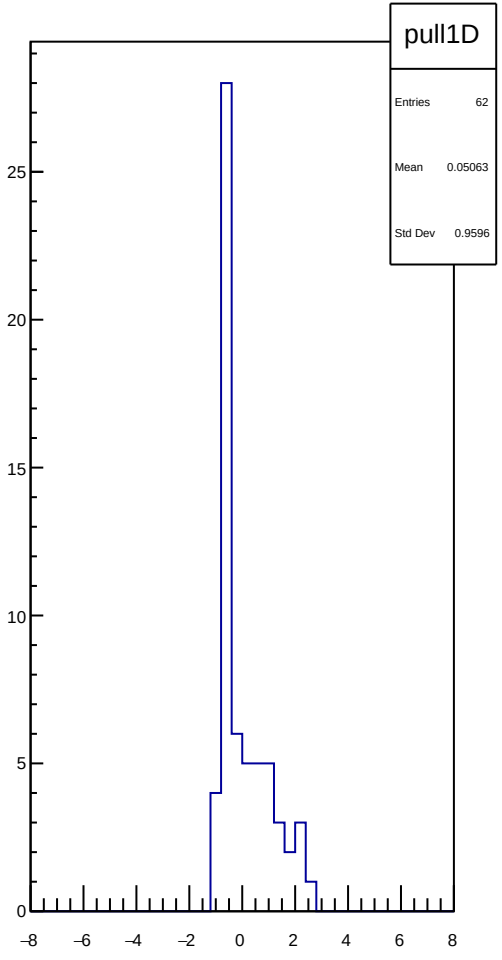

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 703.6 / 61
p0 6.389 ± 0.1814
pull
Entries 62
Mean 160.4
Std Dev 127.2
pull1D
Entries 62
Mean −0.5801
Std Dev 2.918

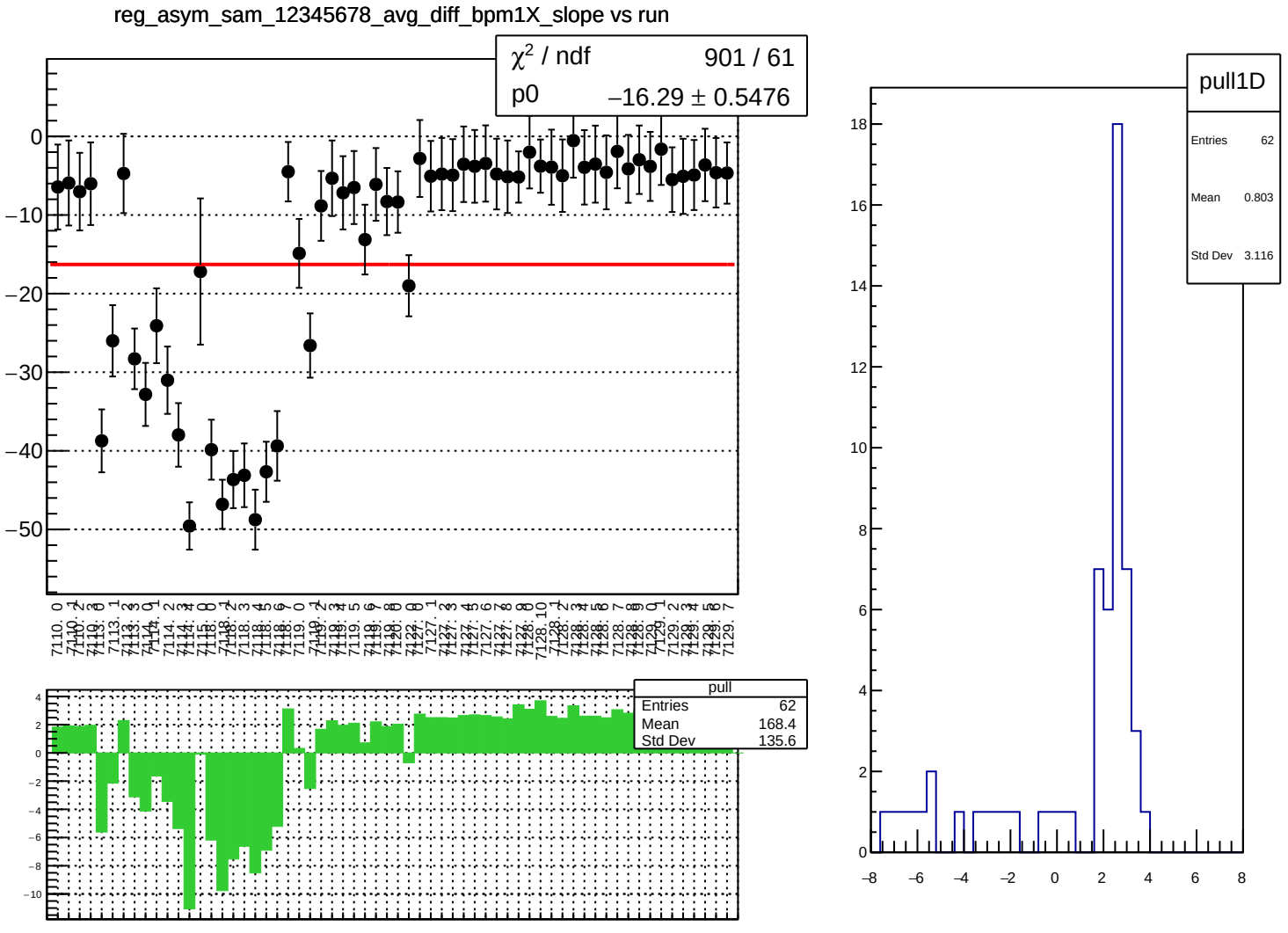

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 212.7 / 61
p0 0.2473 ± 0.1541
pull
Entries 62
Mean −584.3
Std Dev 615.9
pull1D
Entries 62
Mean −0.03214
Std Dev 1.852

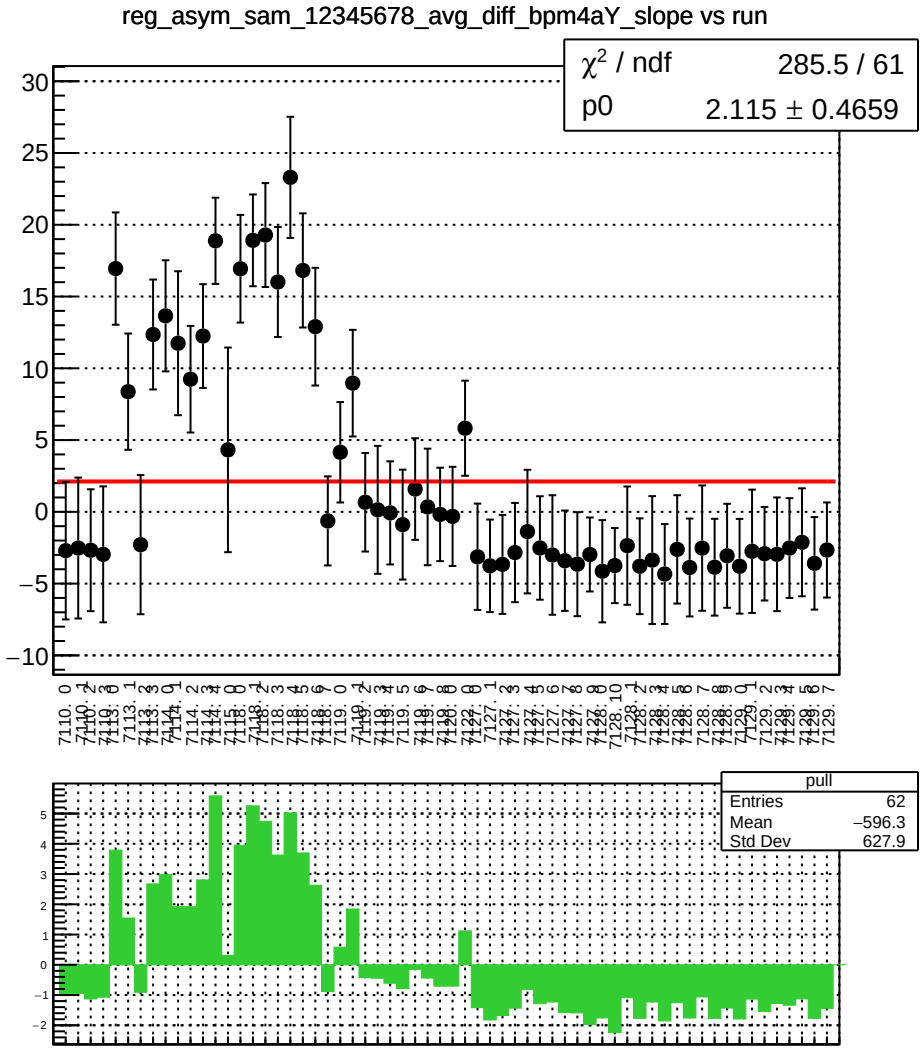

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 462.4 / 61
p0 12.7 ± 0.1802
pull
Entries 62
Mean 63.4
Std Dev 16.41
pull1D
Entries 62
Mean 0.4429
Std Dev 2.43

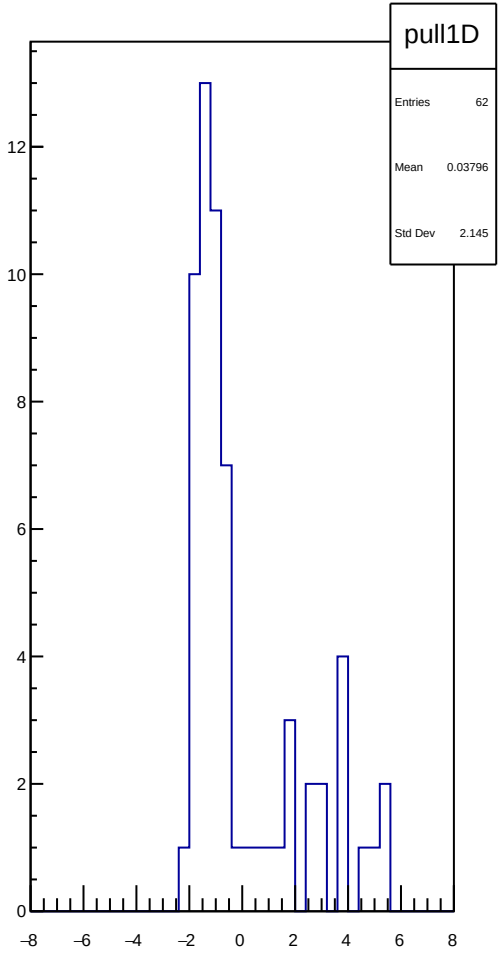

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 224.7 / 61
p0 −6.403 ± 0.163
pull
Entries 62
Mean −323.5
Std Dev 353.7
pull1D
Entries 62
Mean 0.06916
Std Dev 1.903

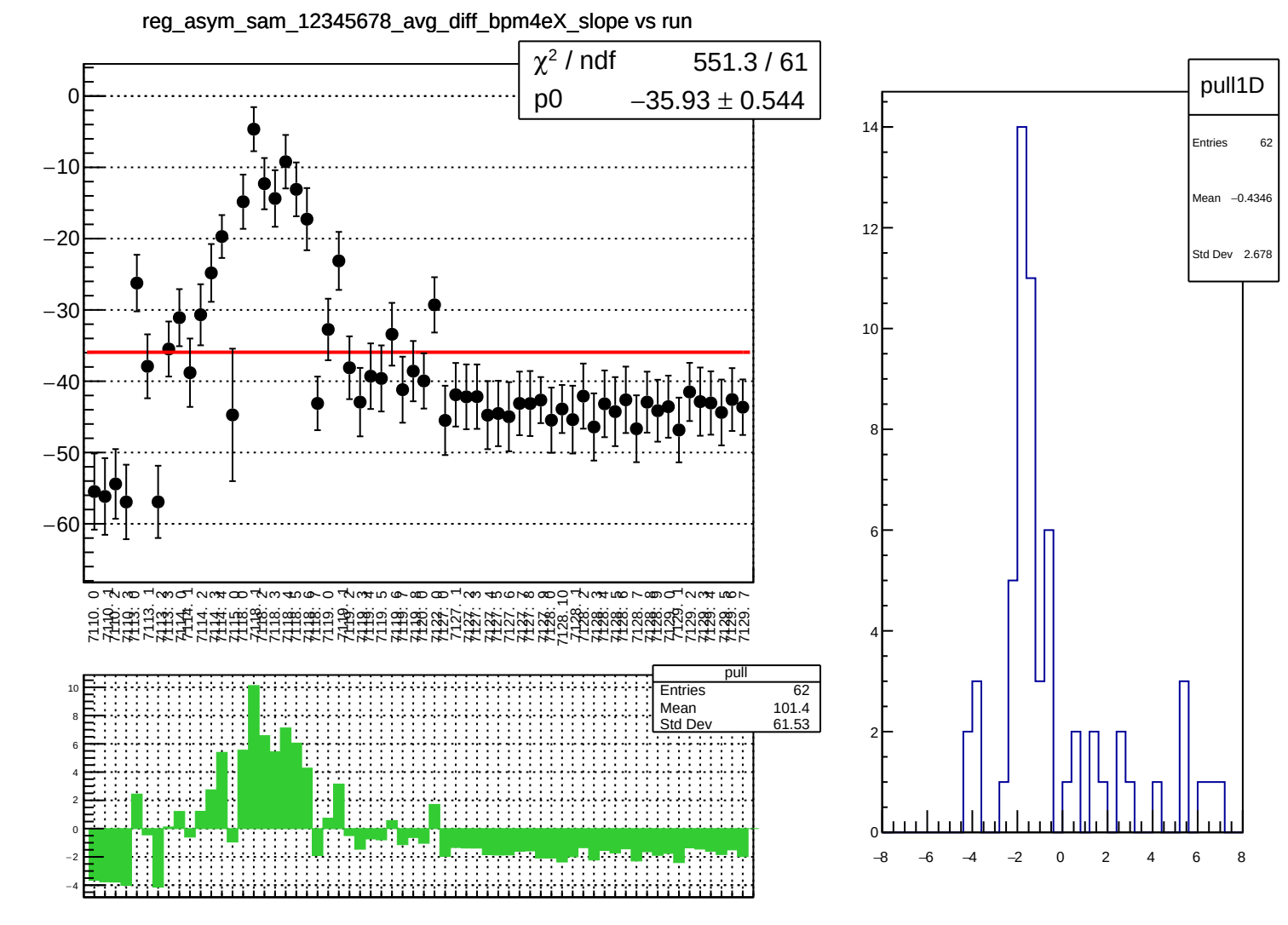

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 57.25 / 61
p0 0.03016 ± 0.007382
pull
Entries 62
Mean −171.5
Std Dev 204

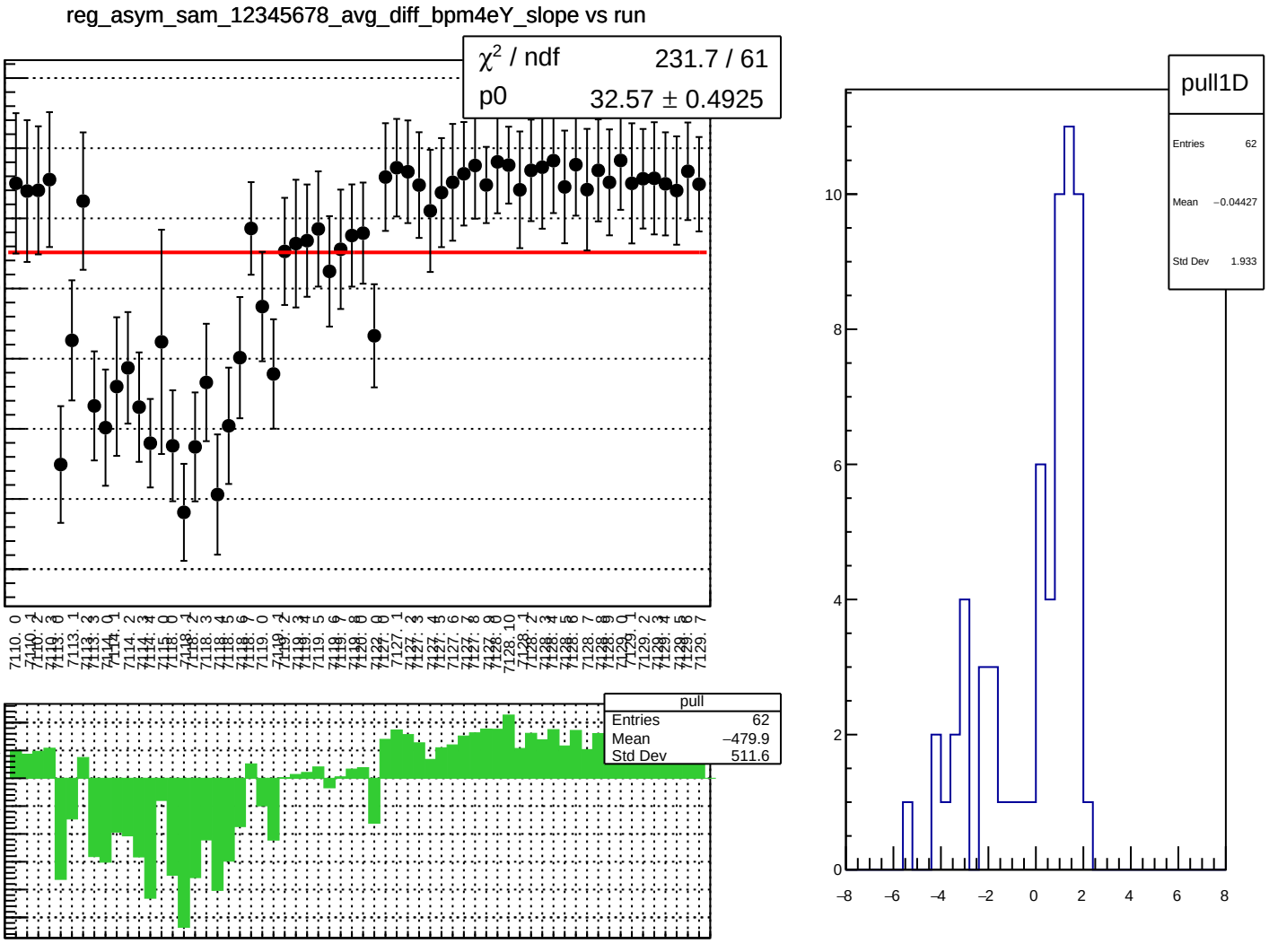

pull1D
Entries 62
Mean 0.05063
Std Dev 0.9596

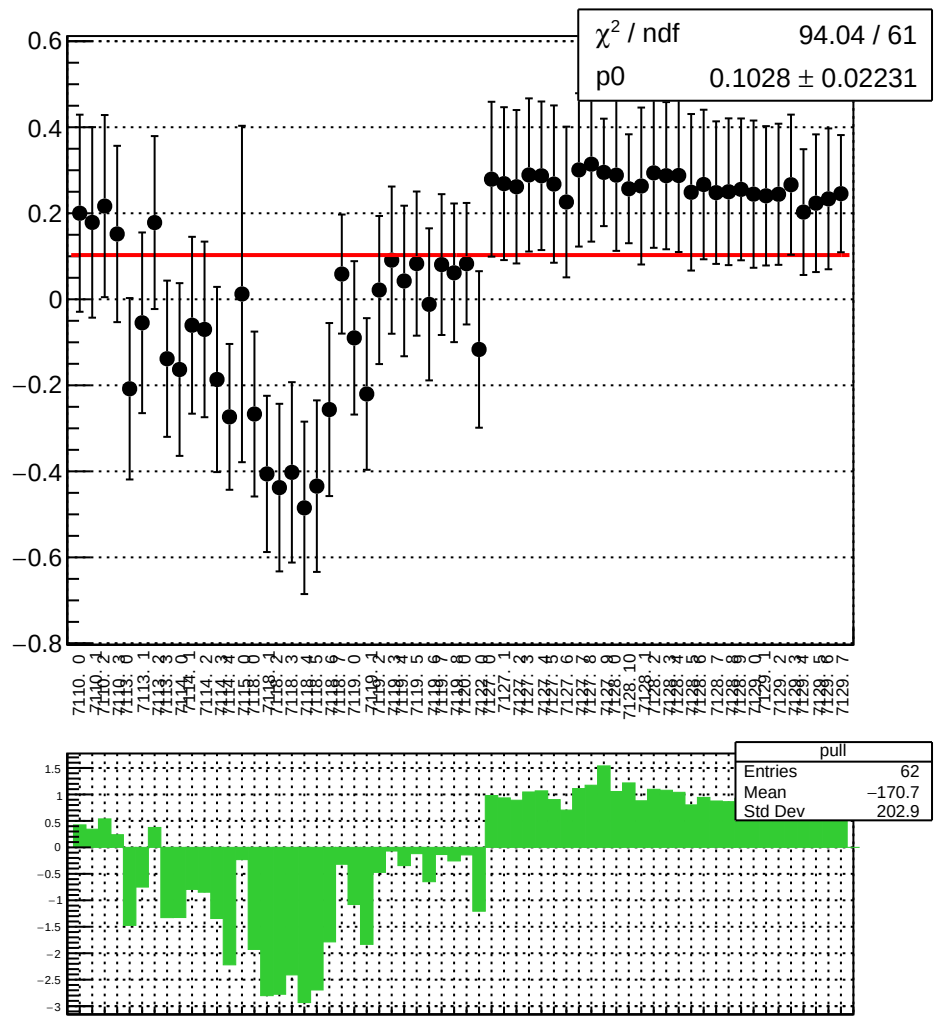

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 901 / 61
p0 −16.29 ± 0.5476
pull
Entries 62
Mean 168.4
Std Dev 135.6
pull1D
Entries 62
Mean 0.803
Std Dev 3.116

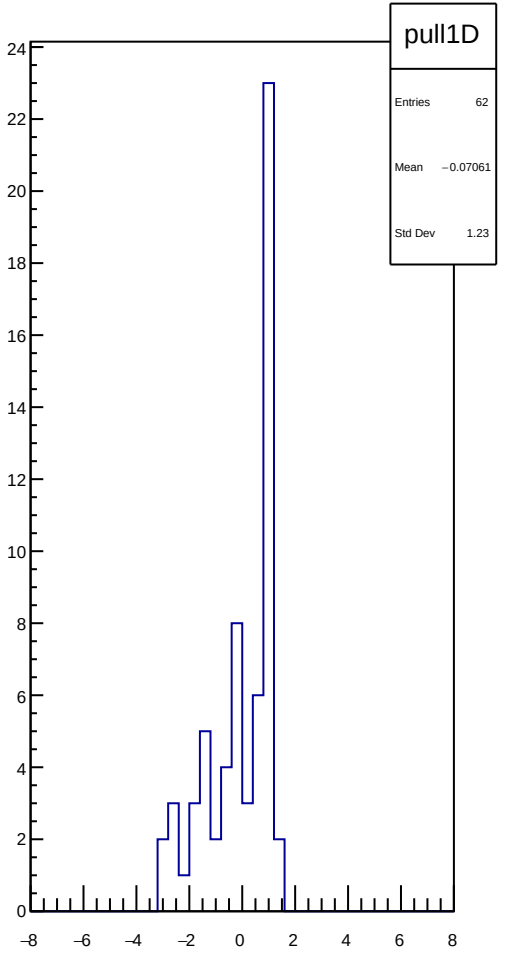

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 285.5 / 61
p0 2.115 ± 0.4659
pull
Entries 62
Mean −596.3
Std Dev 627.9

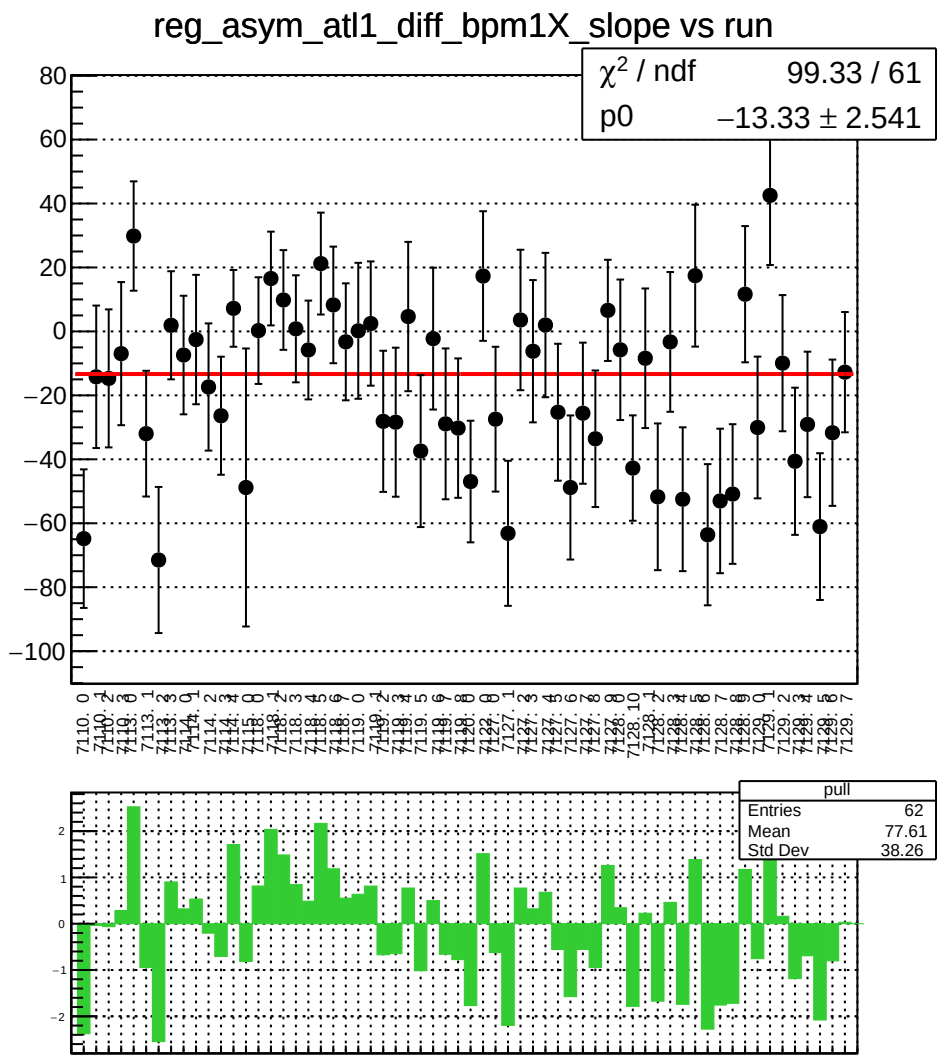

pull1D
Entries 62
Mean 0.03796
Std Dev 2.145

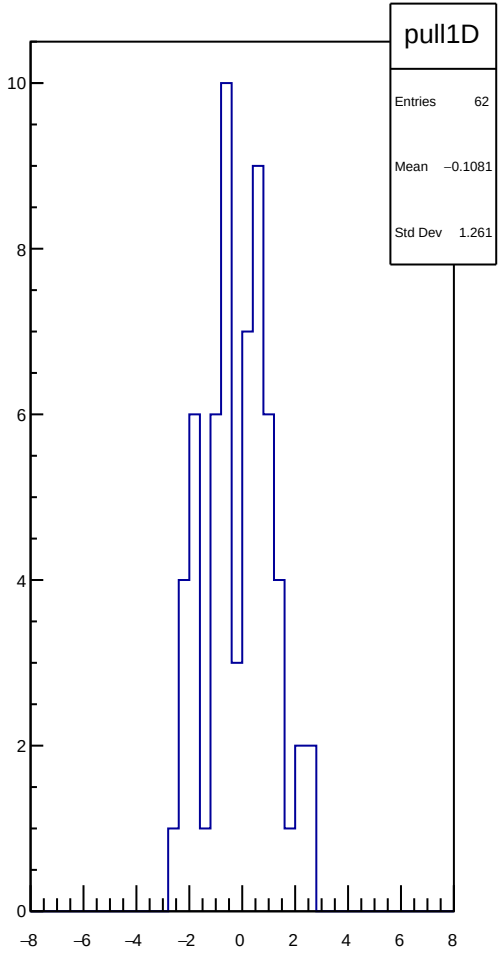

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 551.3 / 61
p0 −35.93 ± 0.544
pull
Entries 62
Mean 101.4
Std Dev 61.53
pull1D
Entries 62
Mean −0.4346
Std Dev 2.678

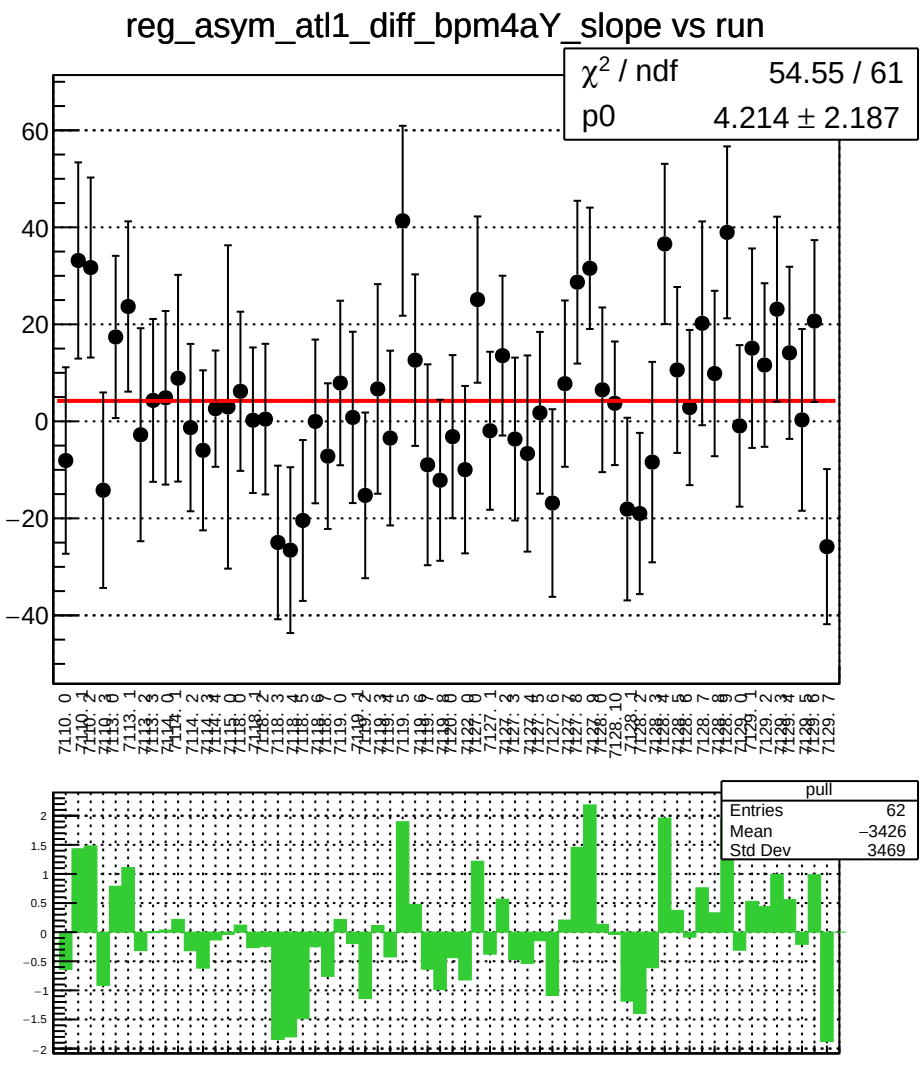

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 231.7 / 61
p0 32.57 ± 0.4925
pull
Entries 62
Mean −479.9
Std Dev 511.6
pull1D
Entries 62
Mean −0.04427
Std Dev 1.933

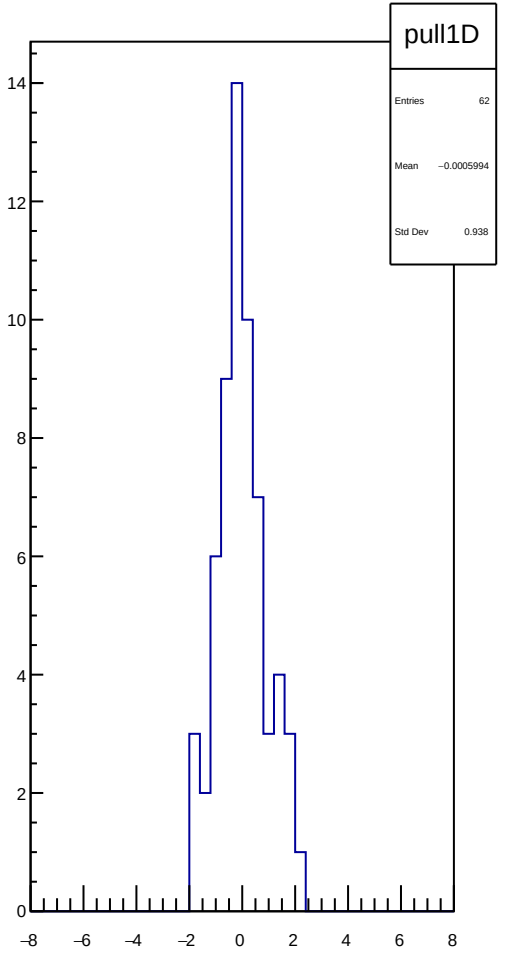

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 94.04 / 61
p0 0.1028 ± 0.02231
pull
Entries 62
Mean −170.7
Std Dev 202.9

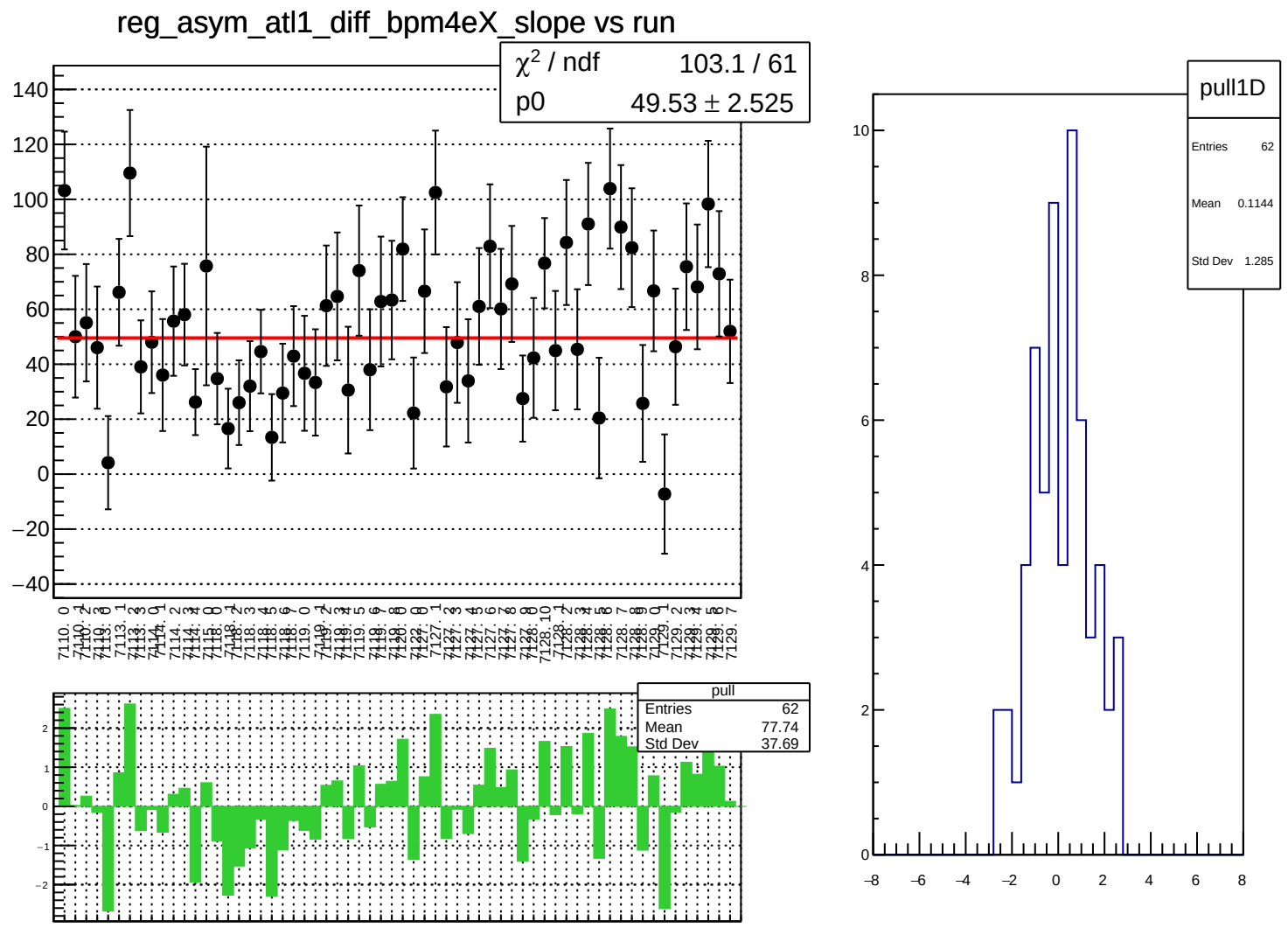

pull1D
Entries 62
Mean −0.07061
Std Dev 1.23

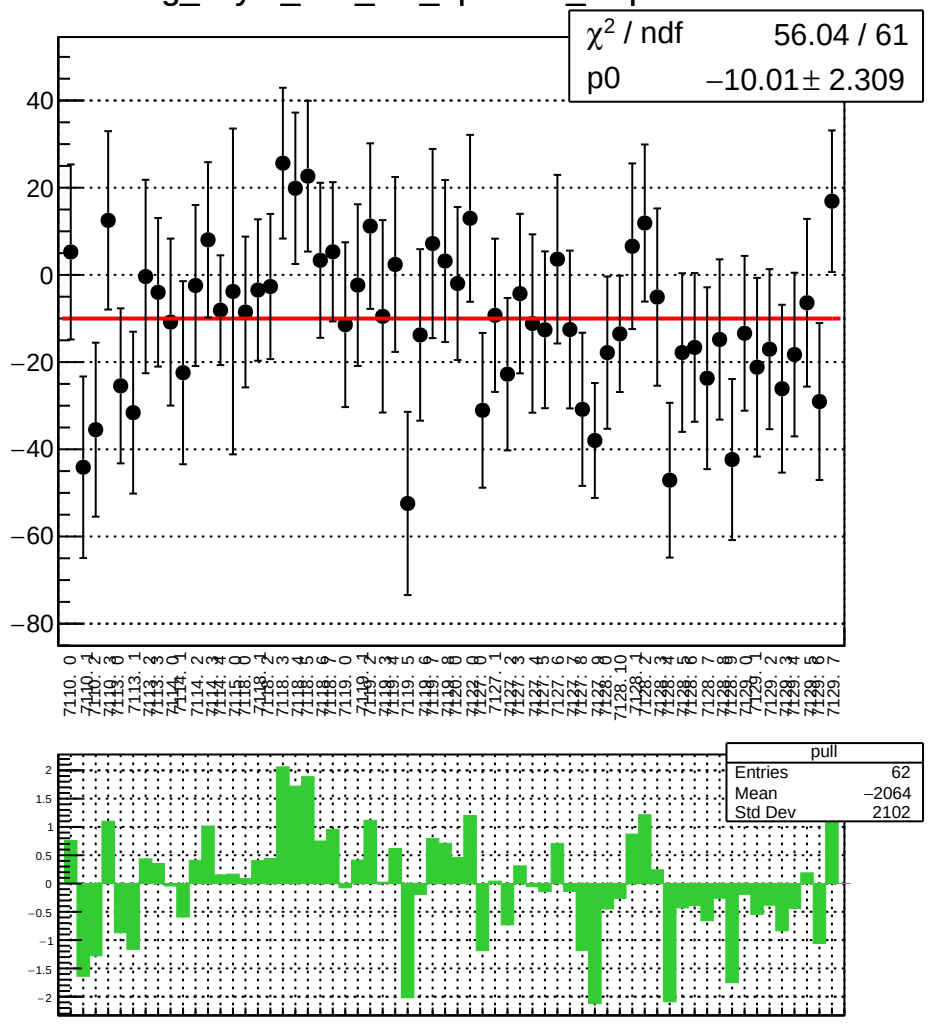

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 99.33 / 61
p0 −13.33 ± 2.541
pull
Entries 62
Mean 77.61
Std Dev 38.26

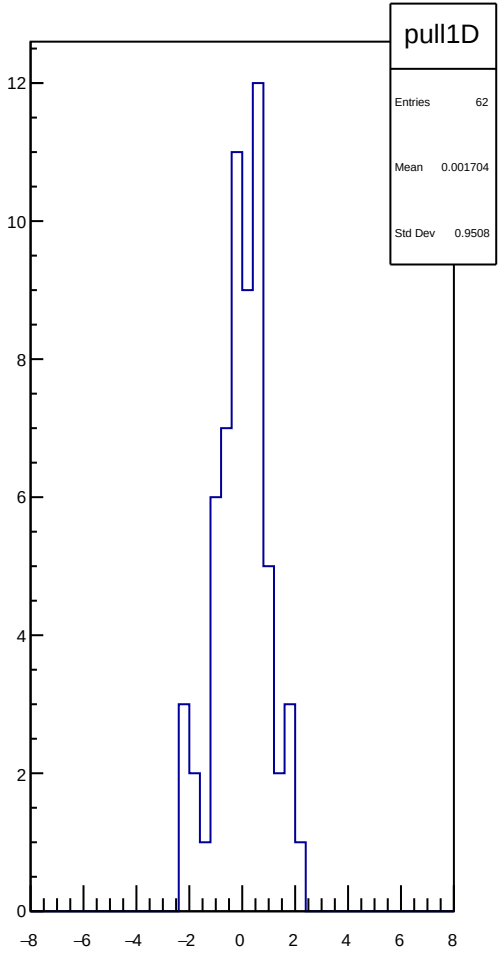

pull1D
Entries 62
Mean −0.1081
Std Dev 1.261

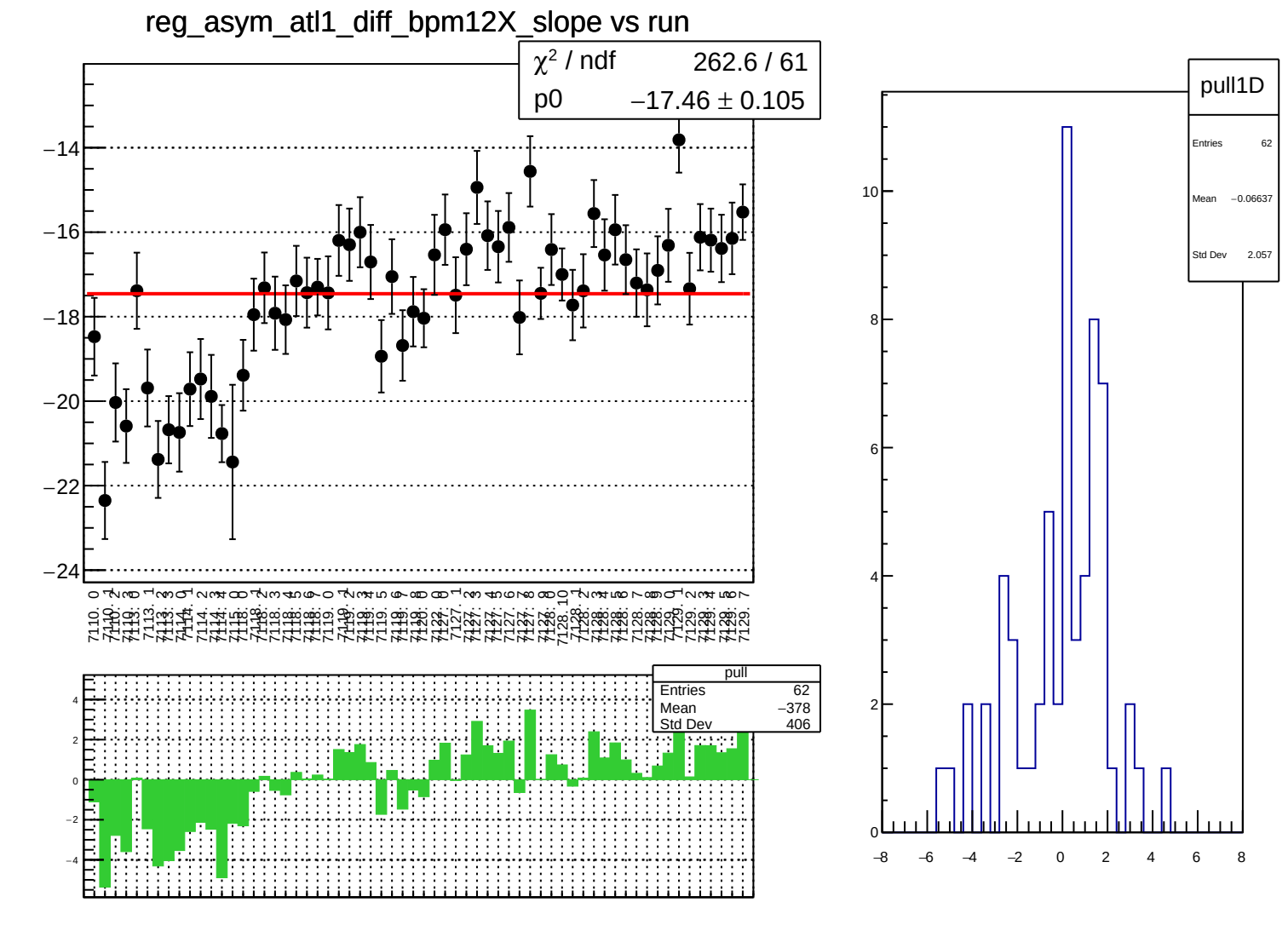

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 54.55 / 61
p0 4.214 ± 2.187
pull
Entries 62
Mean −3426
Std Dev 3469

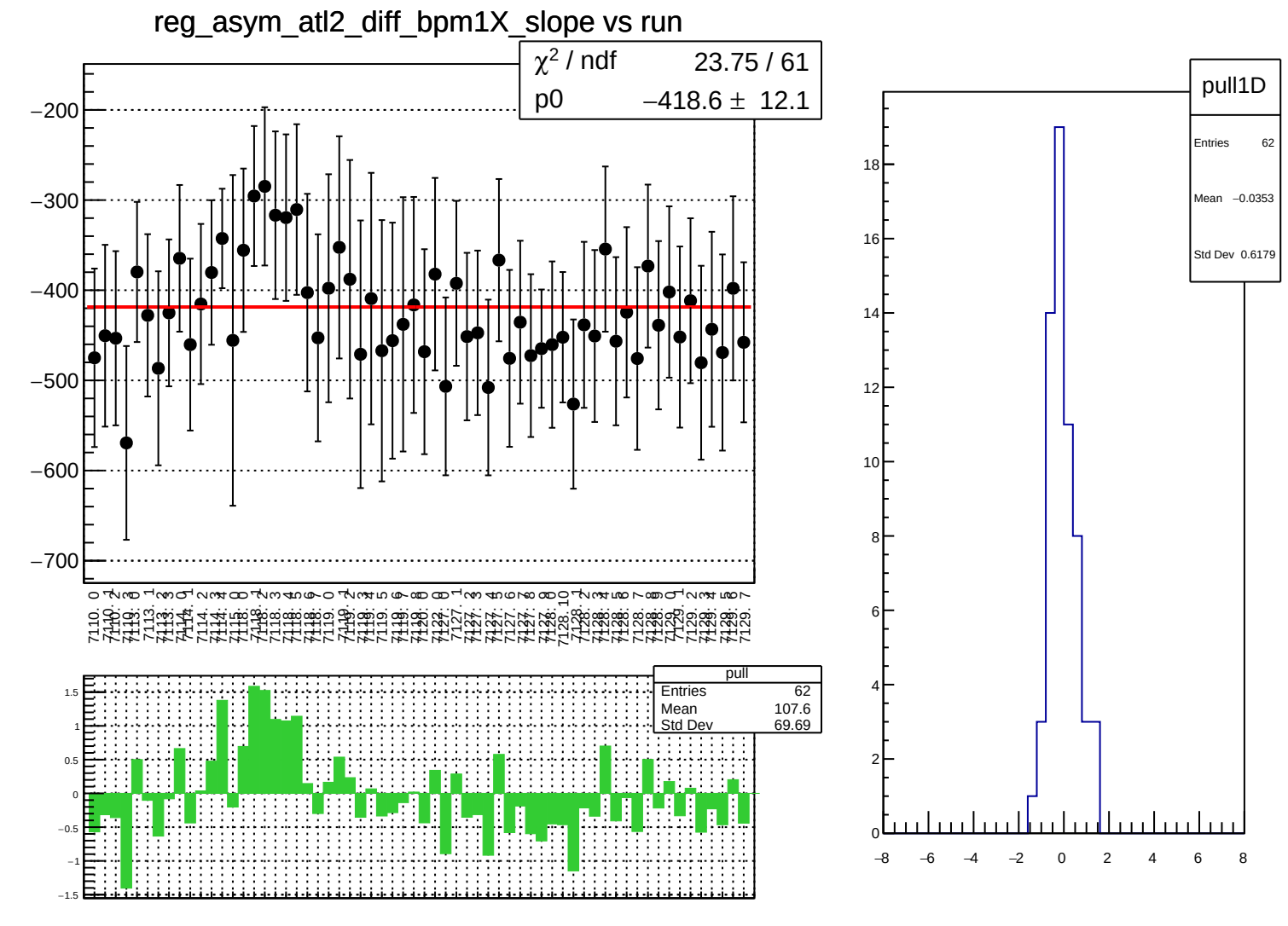

pull1D
Entries 62
Mean −0.0005994
Std Dev 0.938

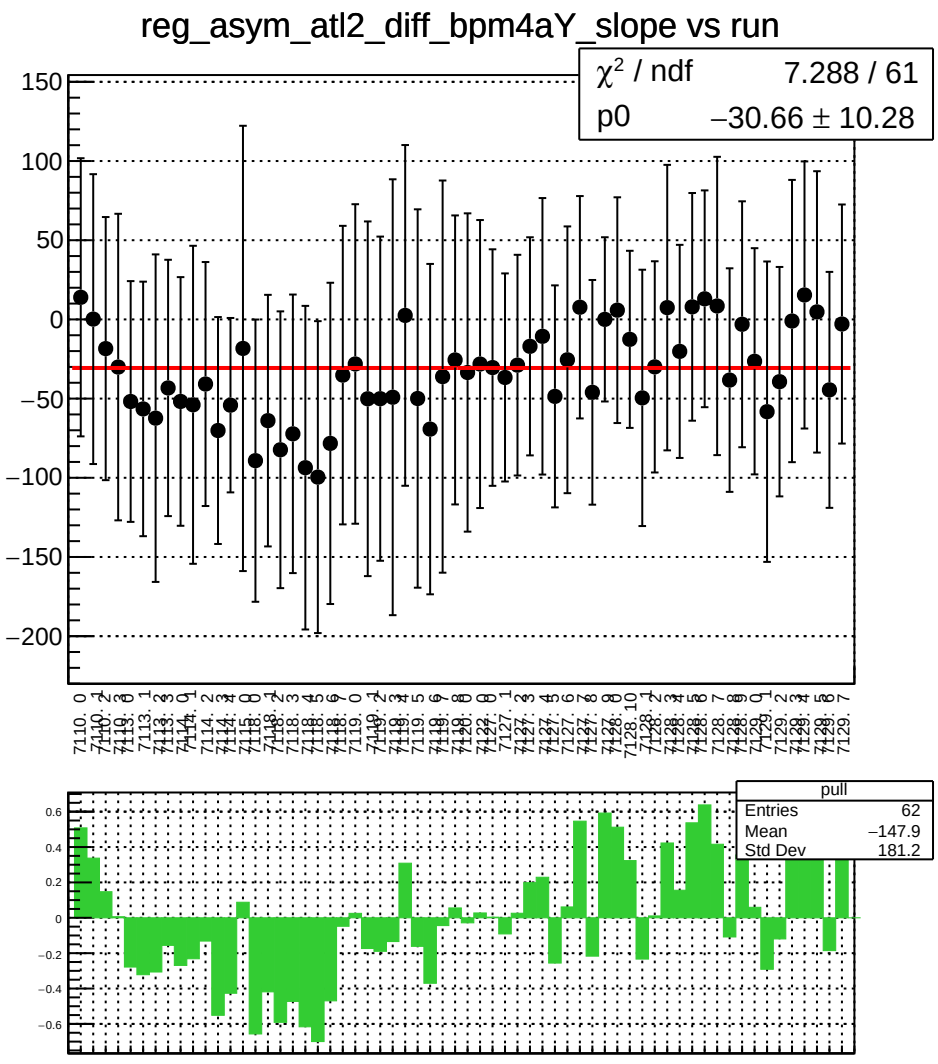

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 103.1 / 61
p0 49.53 ± 2.525
pull
Entries 62
Mean 77.74
Std Dev 37.69
pull1D
Entries 62
Mean 0.1144
Std Dev 1.285

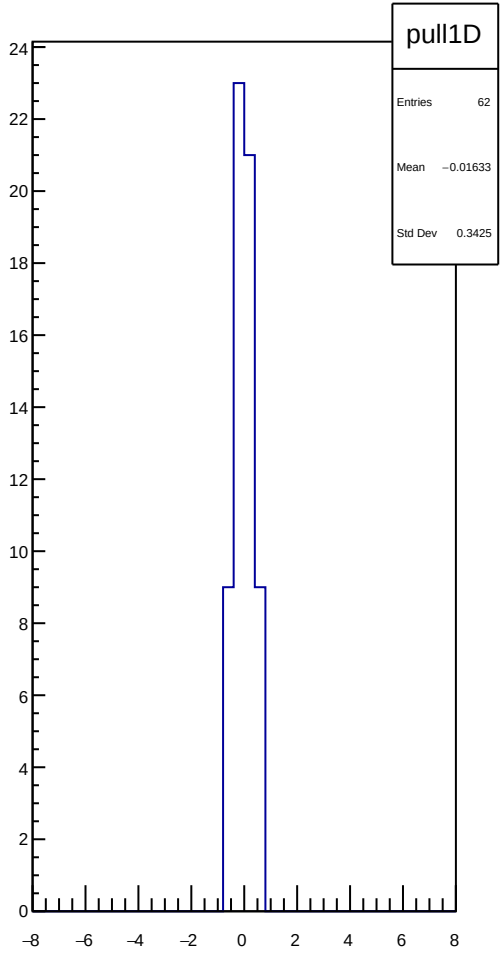

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 56.04 / 61
p0 −10.01± 2.309
pull
Entries 62
Mean −2064
Std Dev 2102

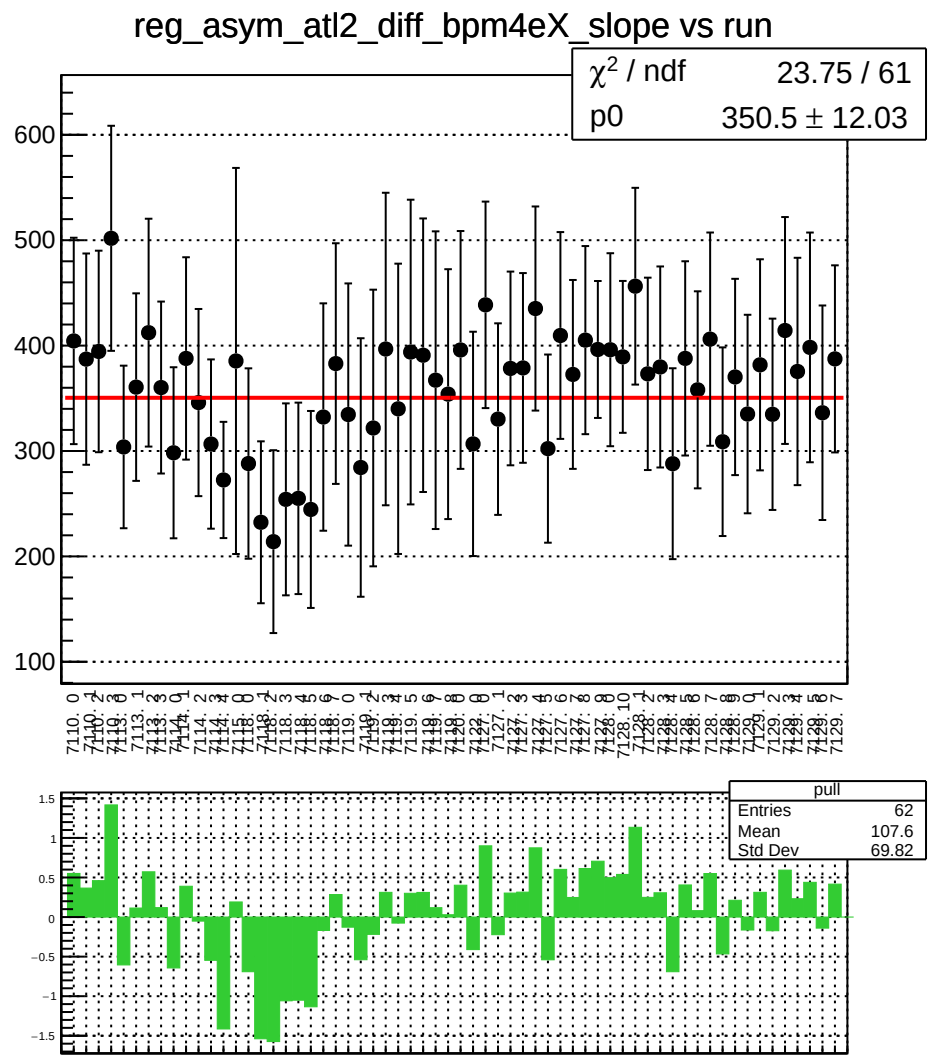

pull1D
Entries 62
Mean 0.001704
Std Dev 0.9508

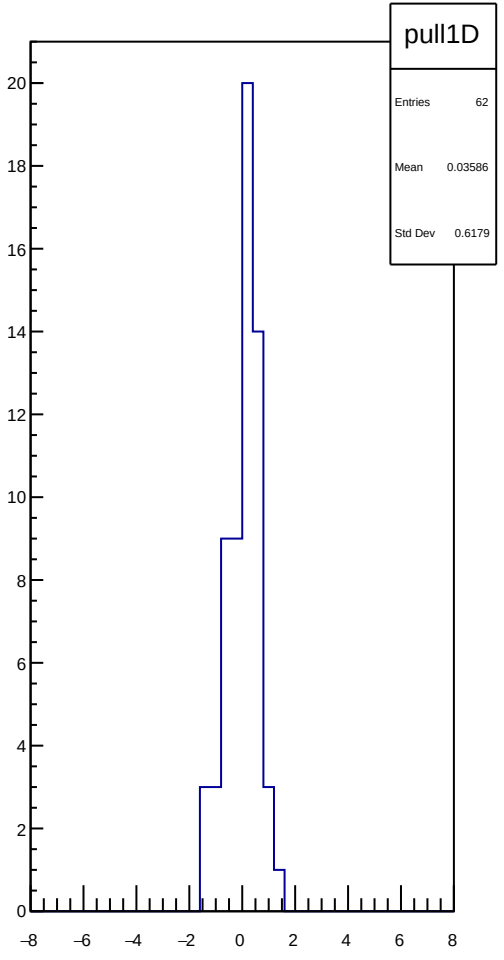

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 262.6 / 61
p0 −17.46 ± 0.105
pull
Entries 62
Mean −378
Std Dev 406
pull1D
Entries 62
Mean −0.06637
Std Dev 2.057

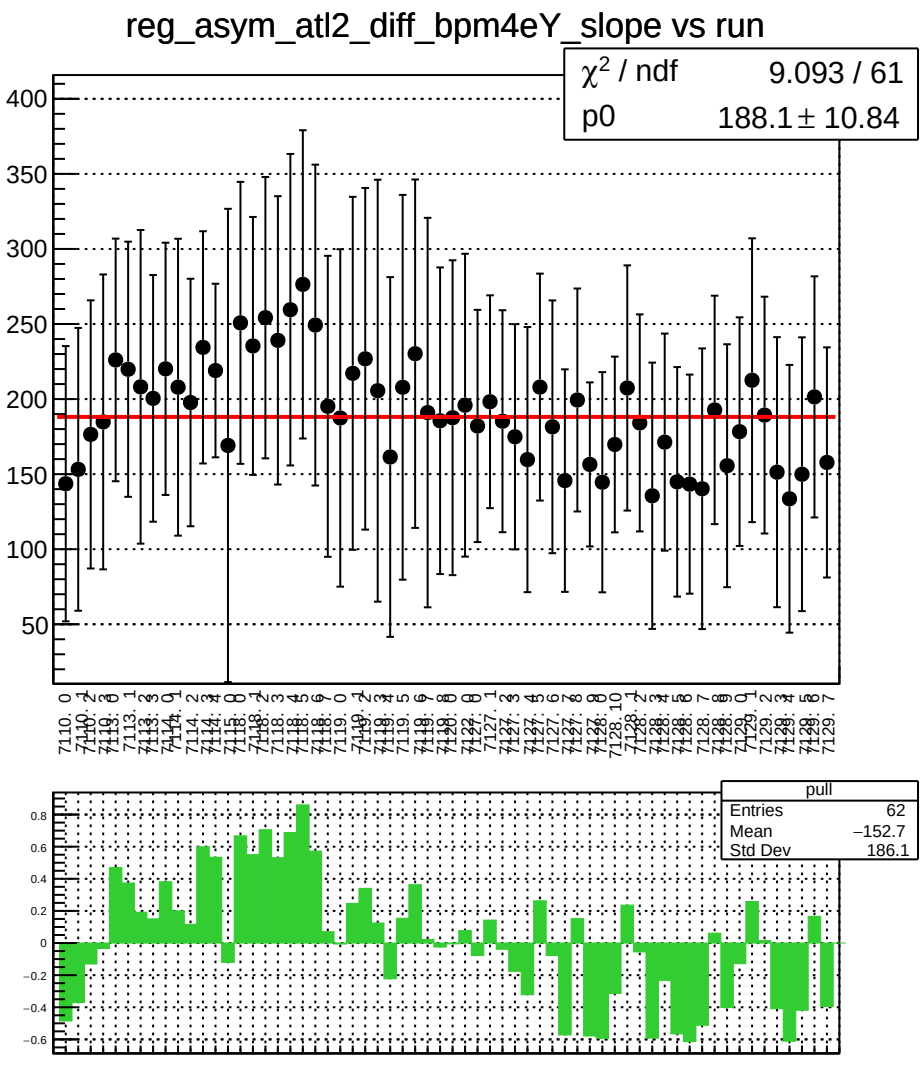

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 23.75 / 61
p0 −418.6 ± 12.1
pull
Entries 62
Mean 107.6
Std Dev 69.69
pull1D
Entries 62
Mean −0.0353
Std Dev 0.6179

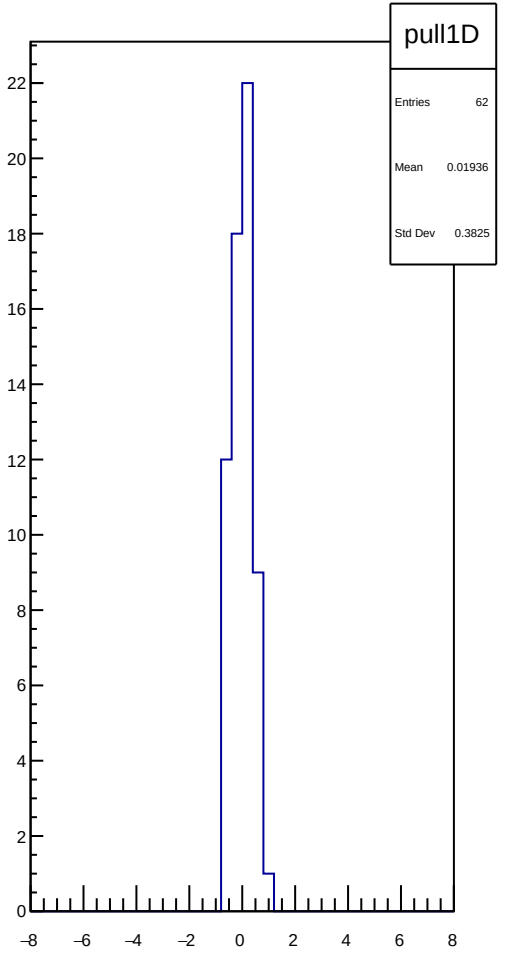

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 7.288 / 61
p0 −30.66 ± 10.28
pull
Entries 62
Mean −147.9
Std Dev 181.2

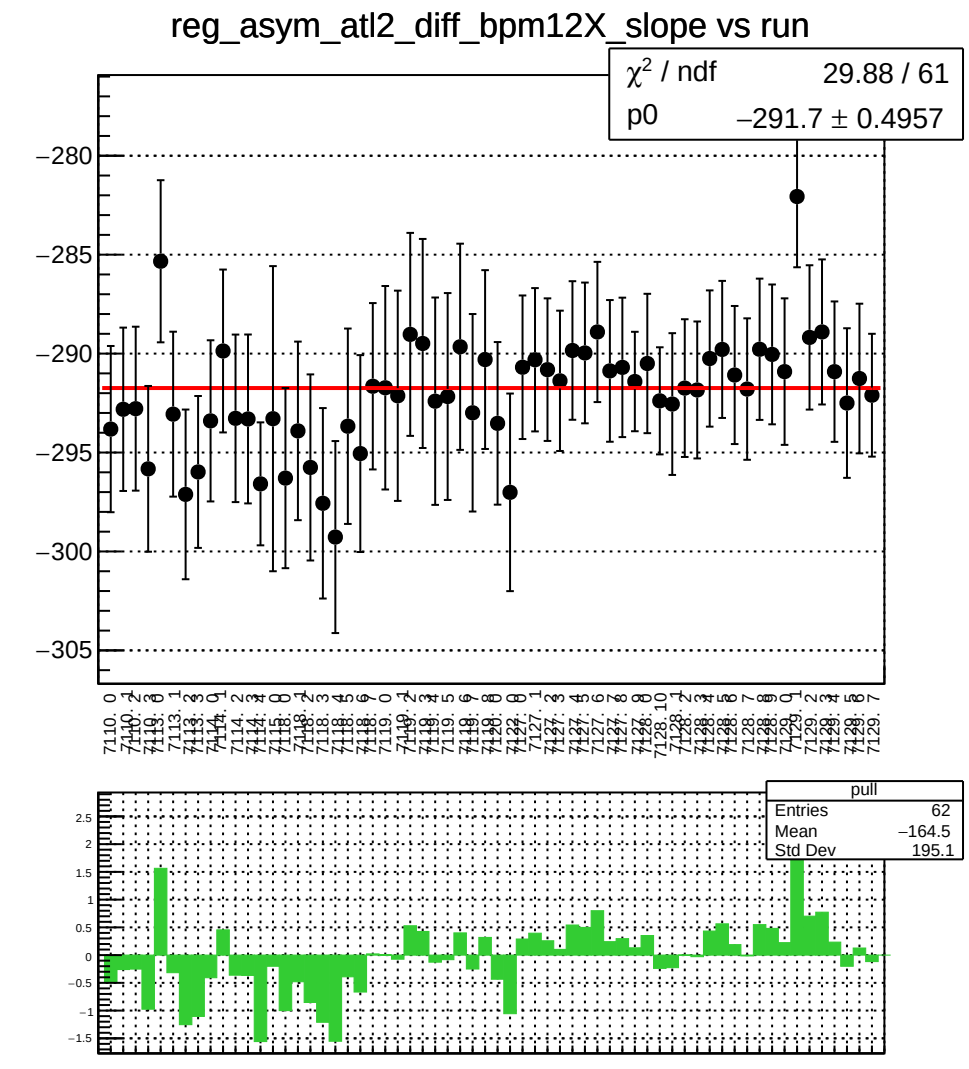

pull1D
Entries 62
Mean −0.01633
Std Dev 0.3425

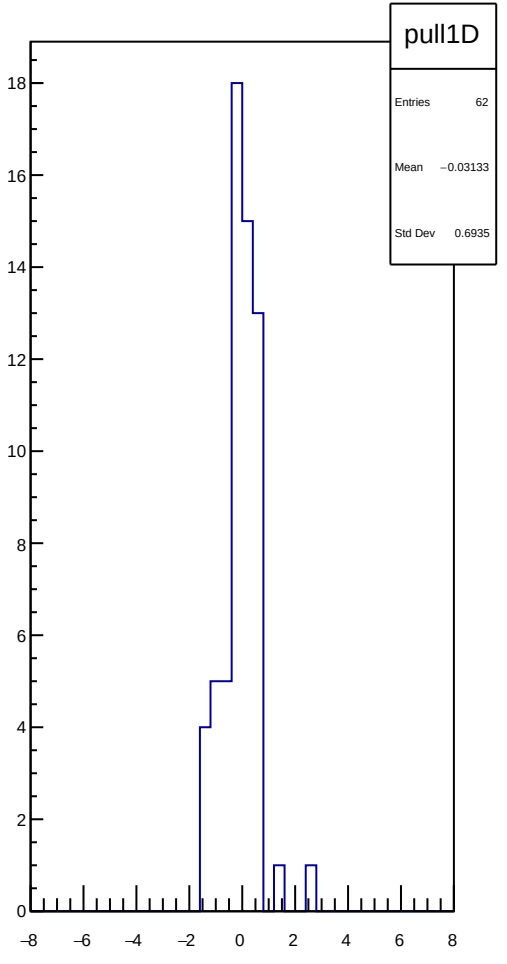

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 23.75 / 61
p0 350.5 ± 12.03
pull
Entries 62
Mean 107.6
Std Dev 69.82

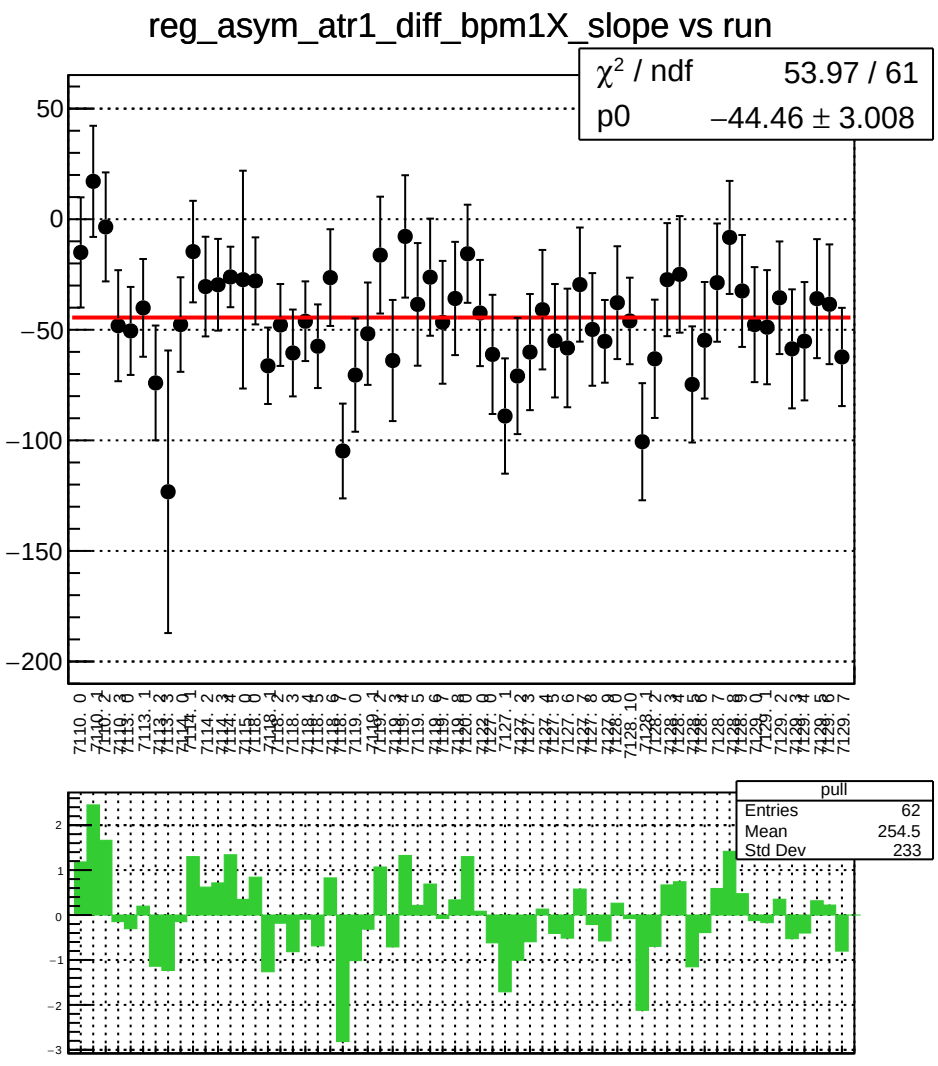

pull1D
Entries 62
Mean 0.03586
Std Dev 0.6179

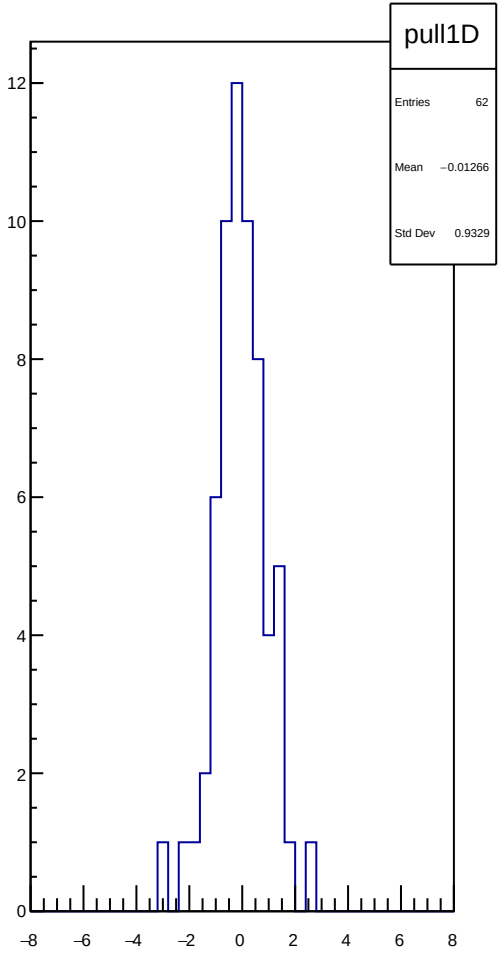

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.093 / 61
p0 188.1 ± 10.84
pull
Entries 62
Mean −152.7
Std Dev 186.1

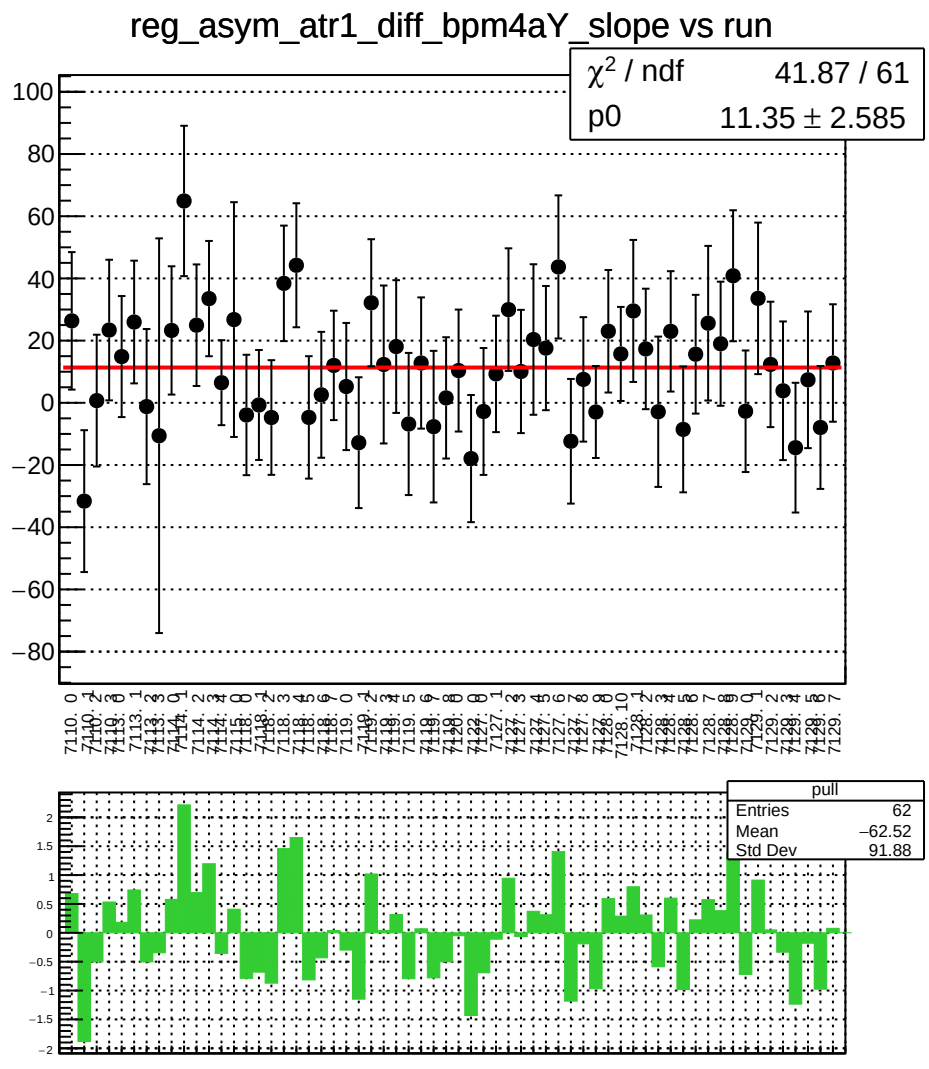

pull1D
Entries 62
Mean 0.01936
Std Dev 0.3825

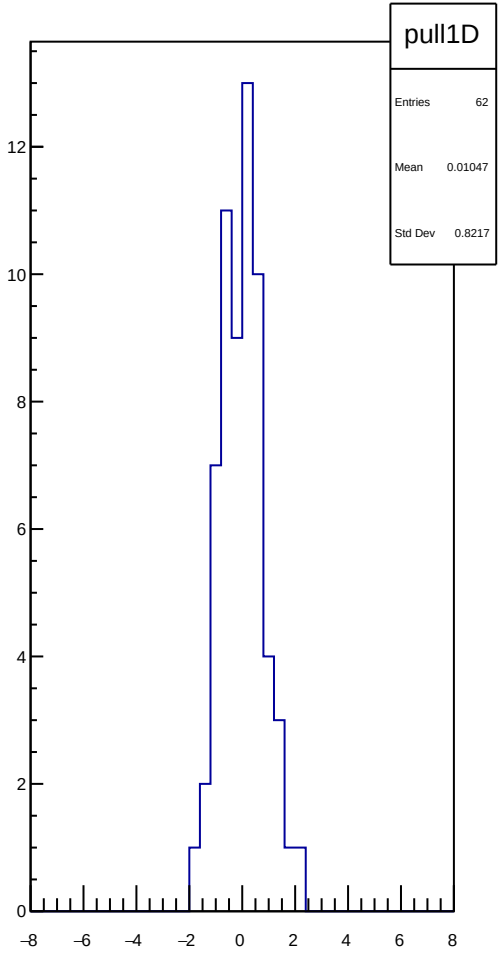

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 29.88 / 61
p0 −291.7 ± 0.4957
pull
Entries 62
Mean −164.5
Std Dev 195.1

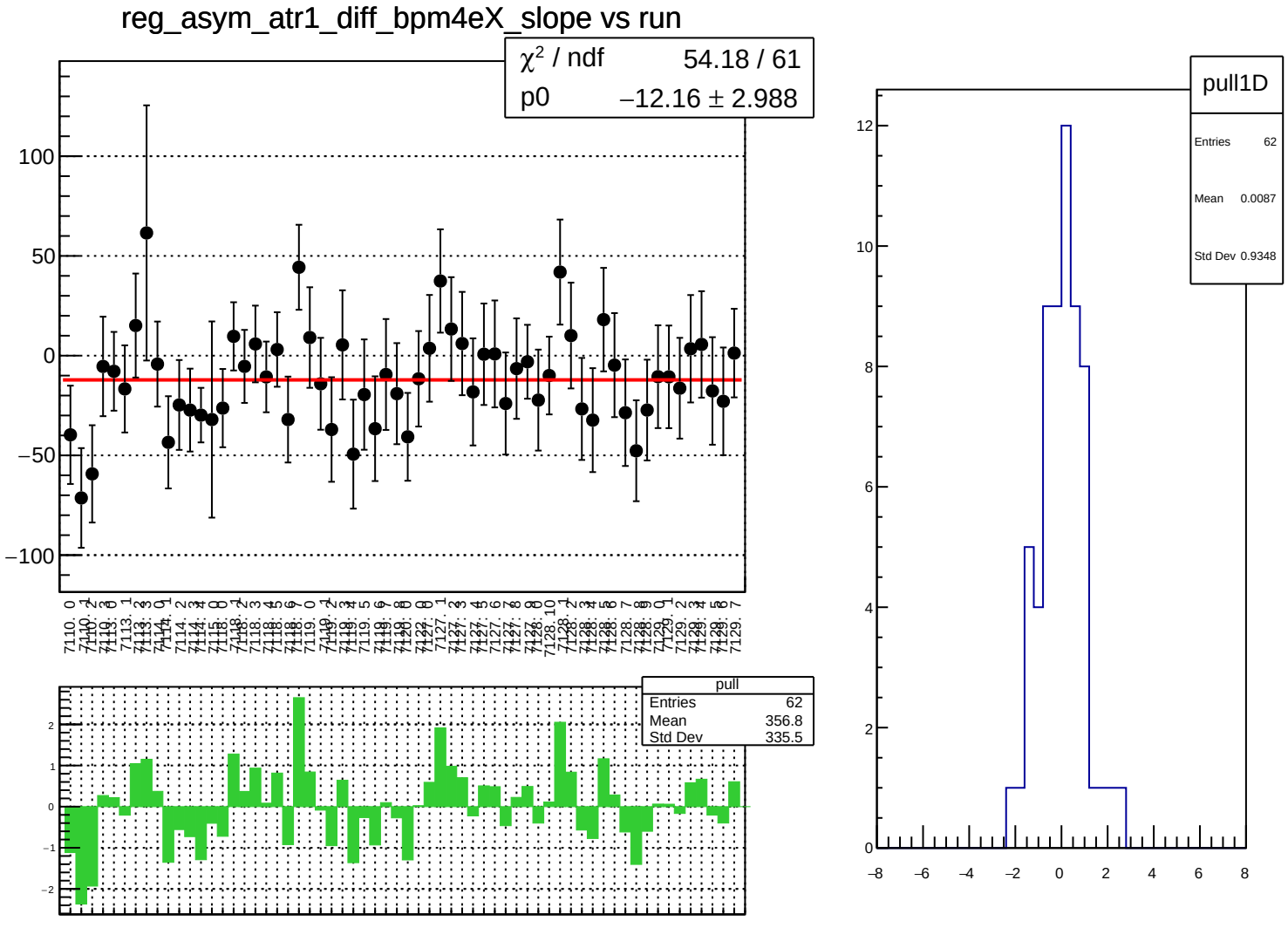

pull1D
Entries 62
Mean −0.03133
Std Dev 0.6935

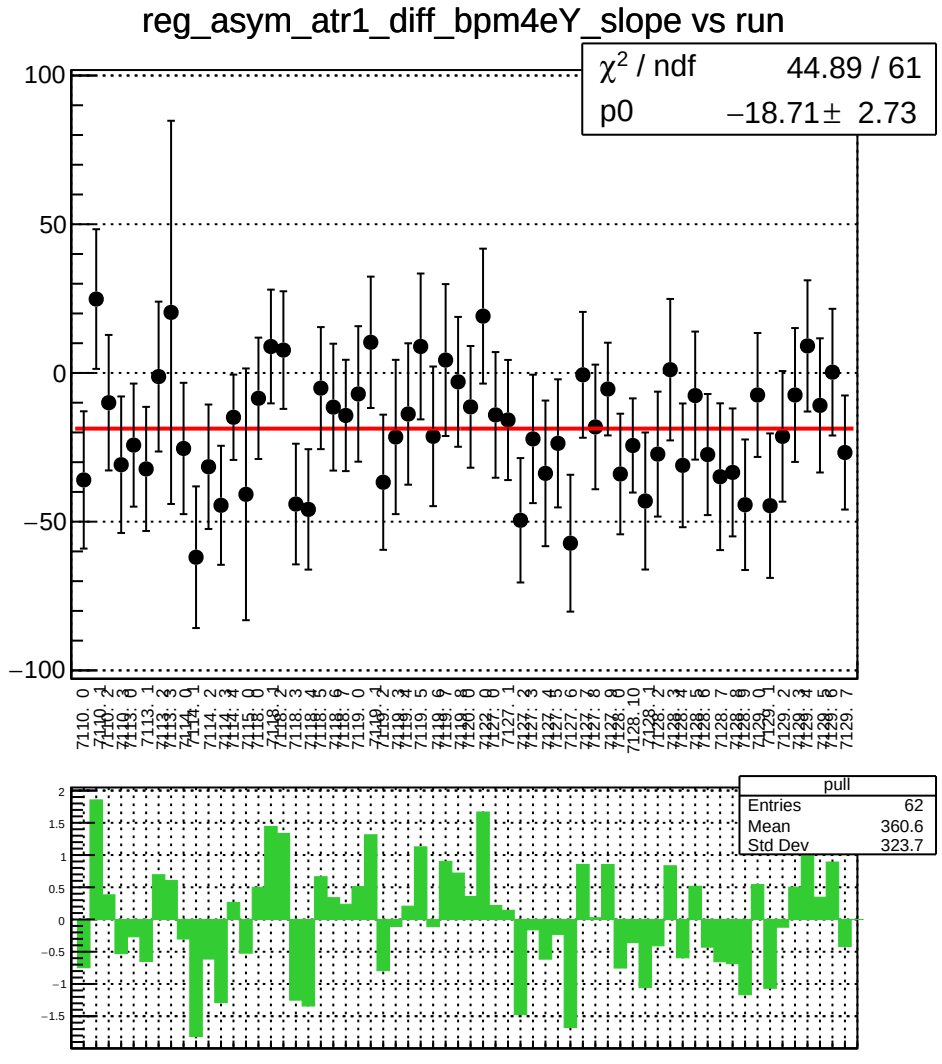

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 53.97 / 61
p0 −44.46 ± 3.008
pull
Entries 62
Mean 254.5
Std Dev 233

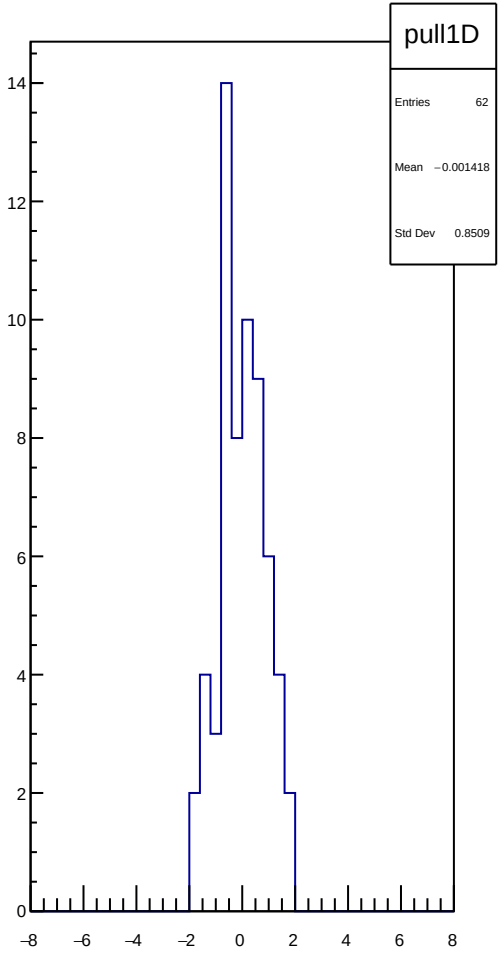

pull1D
Entries 62
Mean −0.01266
Std Dev 0.9329

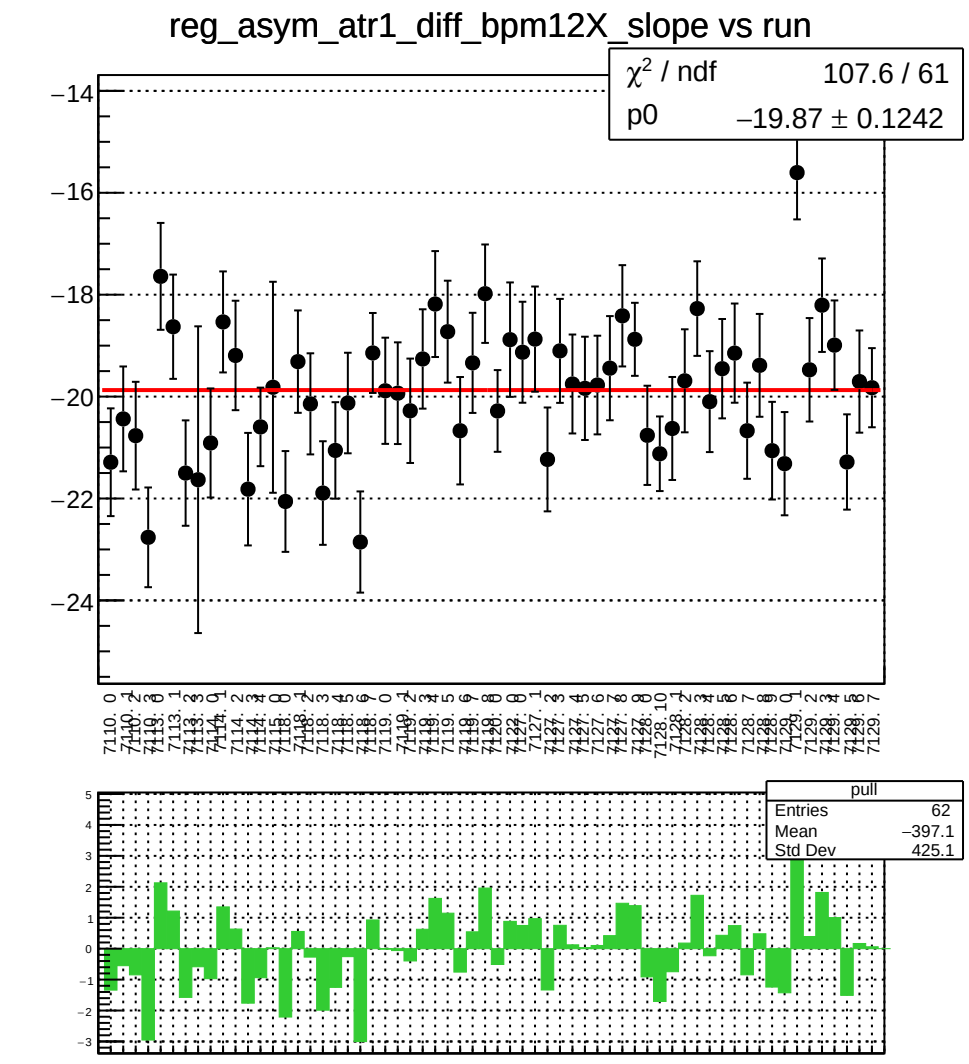

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 41.87 / 61
p0 11.35 ± 2.585
pull
Entries 62
Mean −62.52
Std Dev 91.88

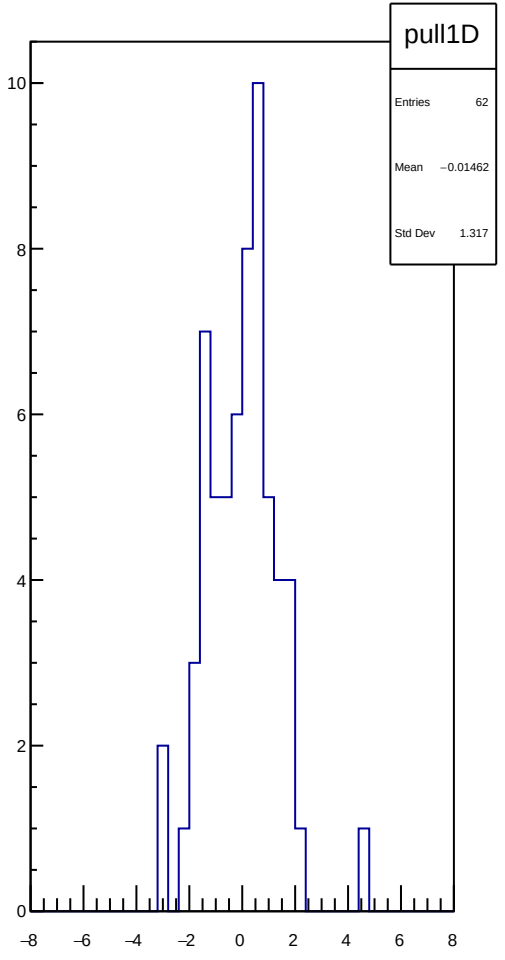

pull1D
Entries 62
Mean 0.01047
Std Dev 0.8217

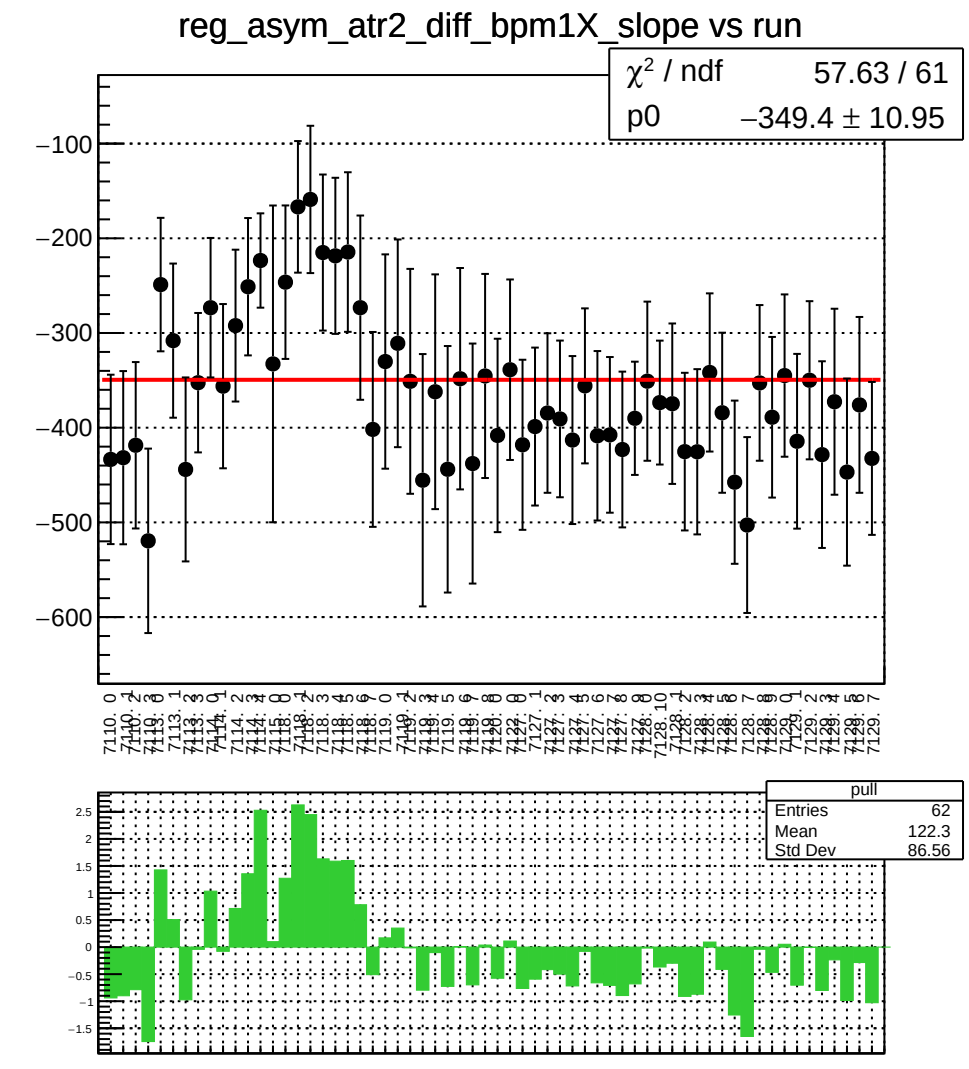

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 54.18 / 61
p0 −12.16 ± 2.988
pull
Entries 62
Mean 356.8
Std Dev 335.5
pull1D
Entries 62
Mean 0.0087
Std Dev 0.9348

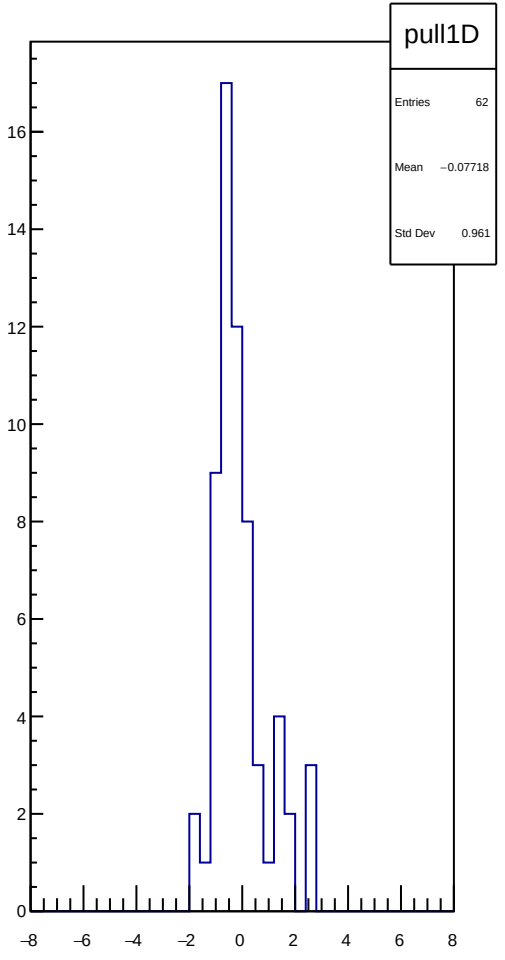

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 44.89 / 61
p0 −18.71± 2.73
pull
Entries 62
Mean 360.6
Std Dev 323.7

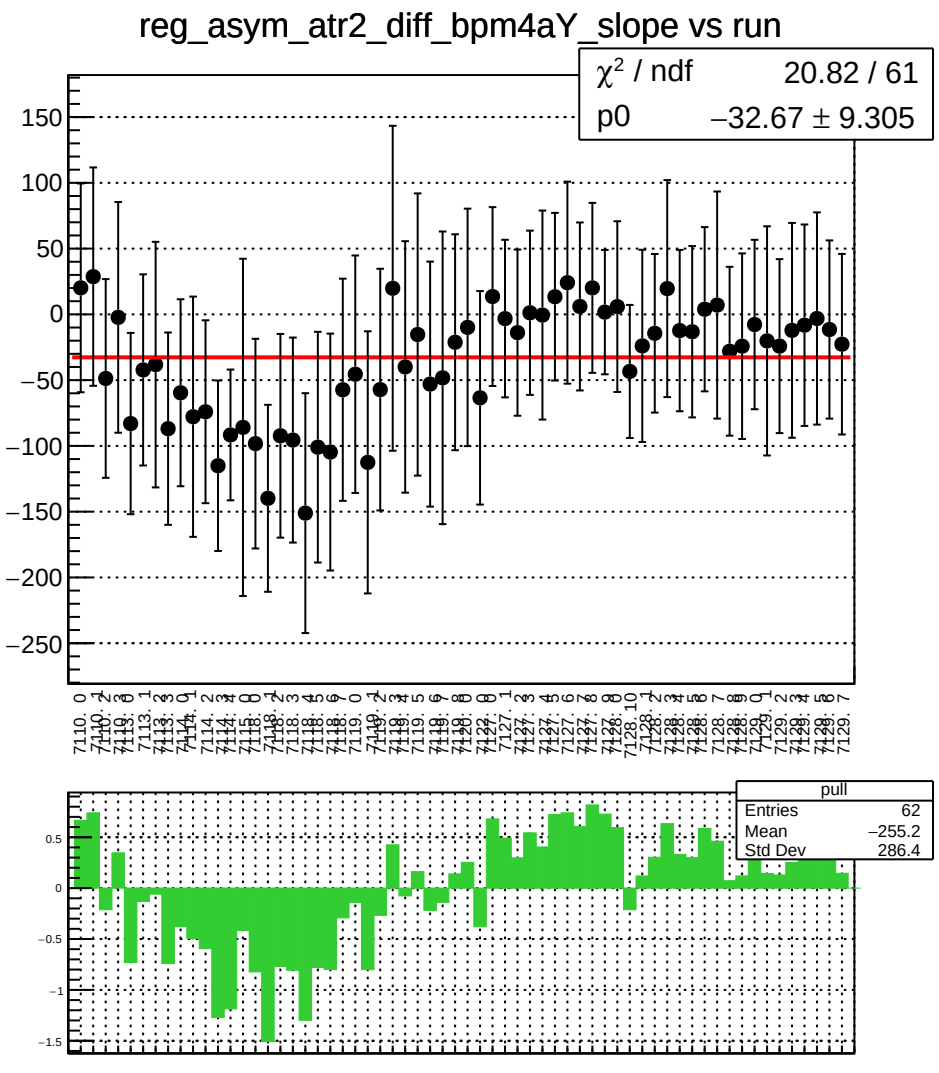

pull1D
Entries 62
Mean −0.001418
Std Dev 0.8509

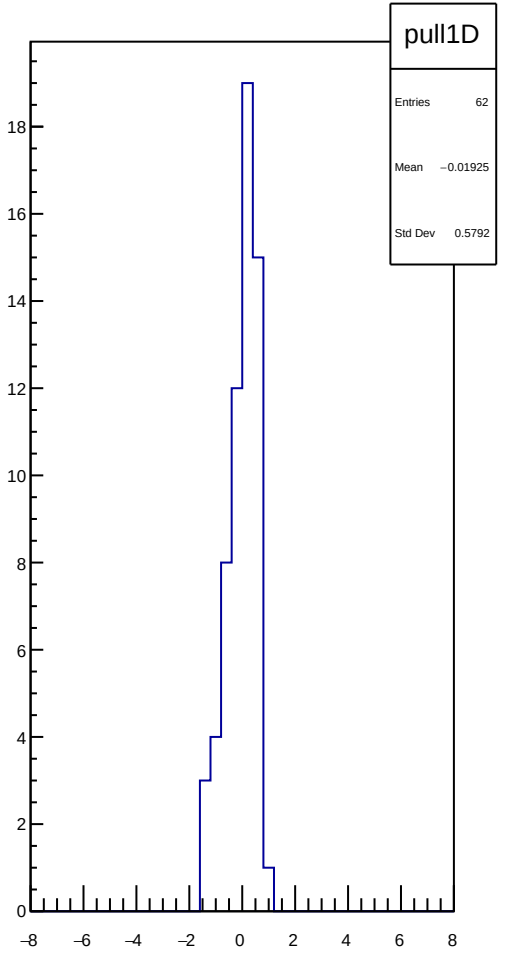

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 107.6 / 61
p0 −19.87 ± 0.1242
pull
Entries 62
Mean −397.1
Std Dev 425.1

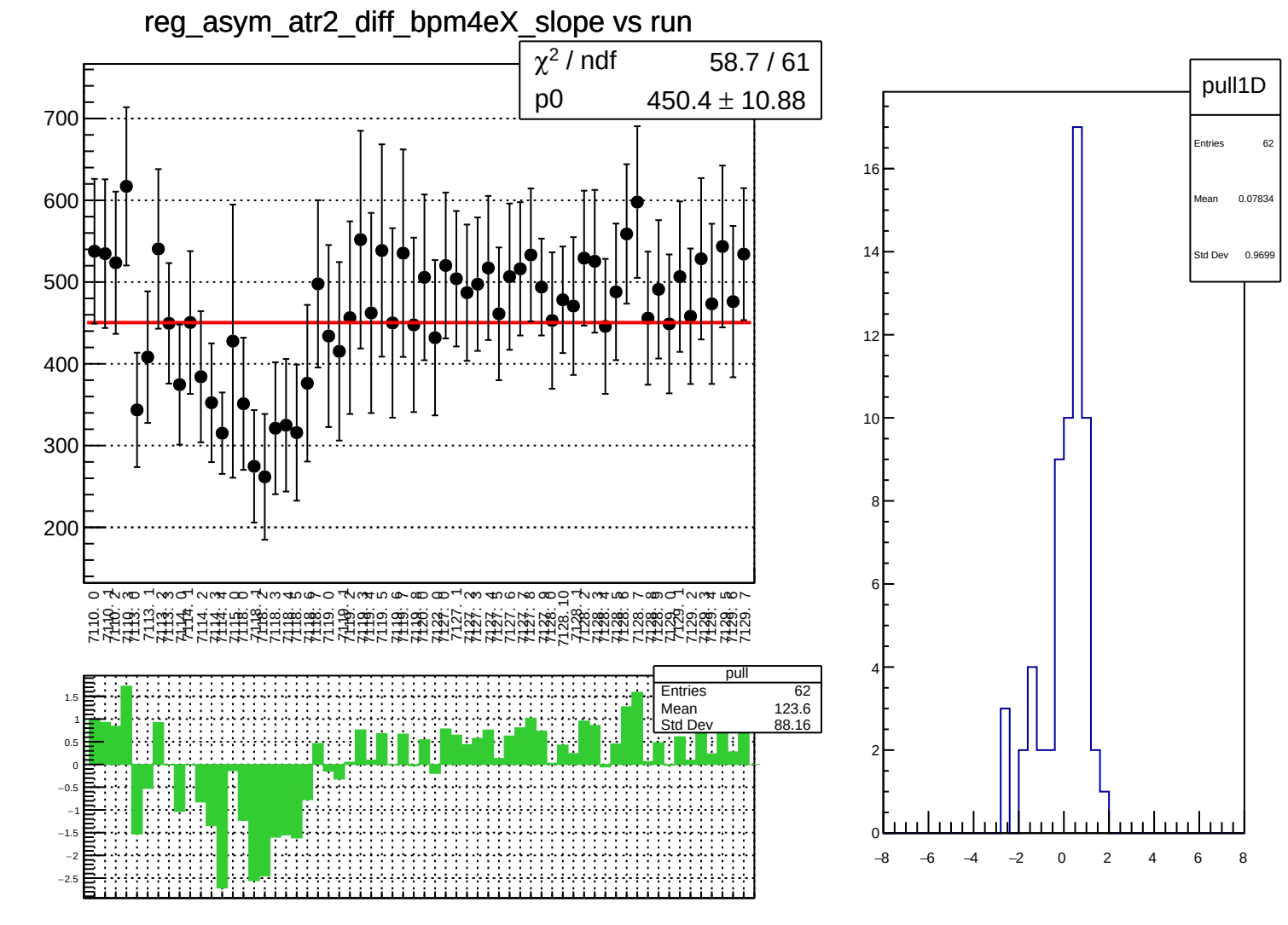

pull1D
Entries 62
Mean −0.01462
Std Dev 1.317

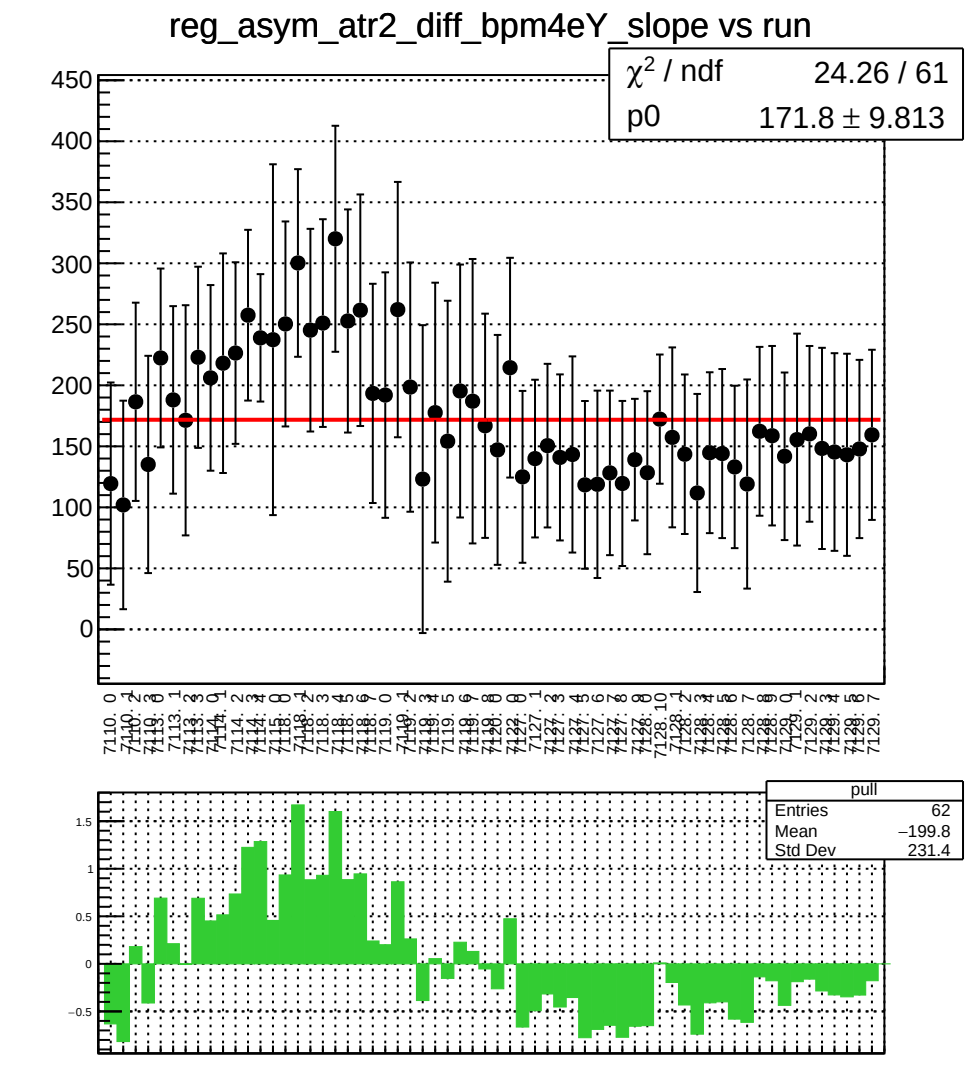

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 57.63 / 61
p0 −349.4 ± 10.95
pull
Entries 62
Mean 122.3
Std Dev 86.56

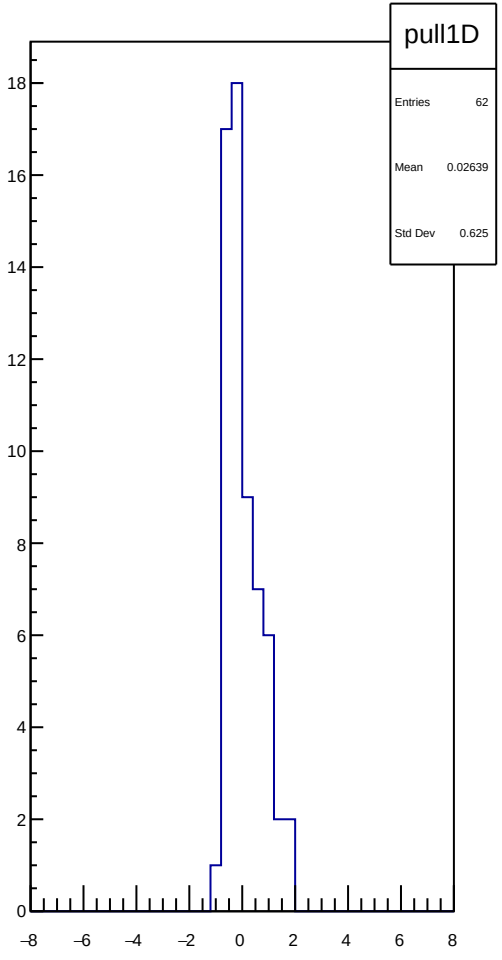

pull1D
Entries 62
Mean −0.07718
Std Dev 0.961

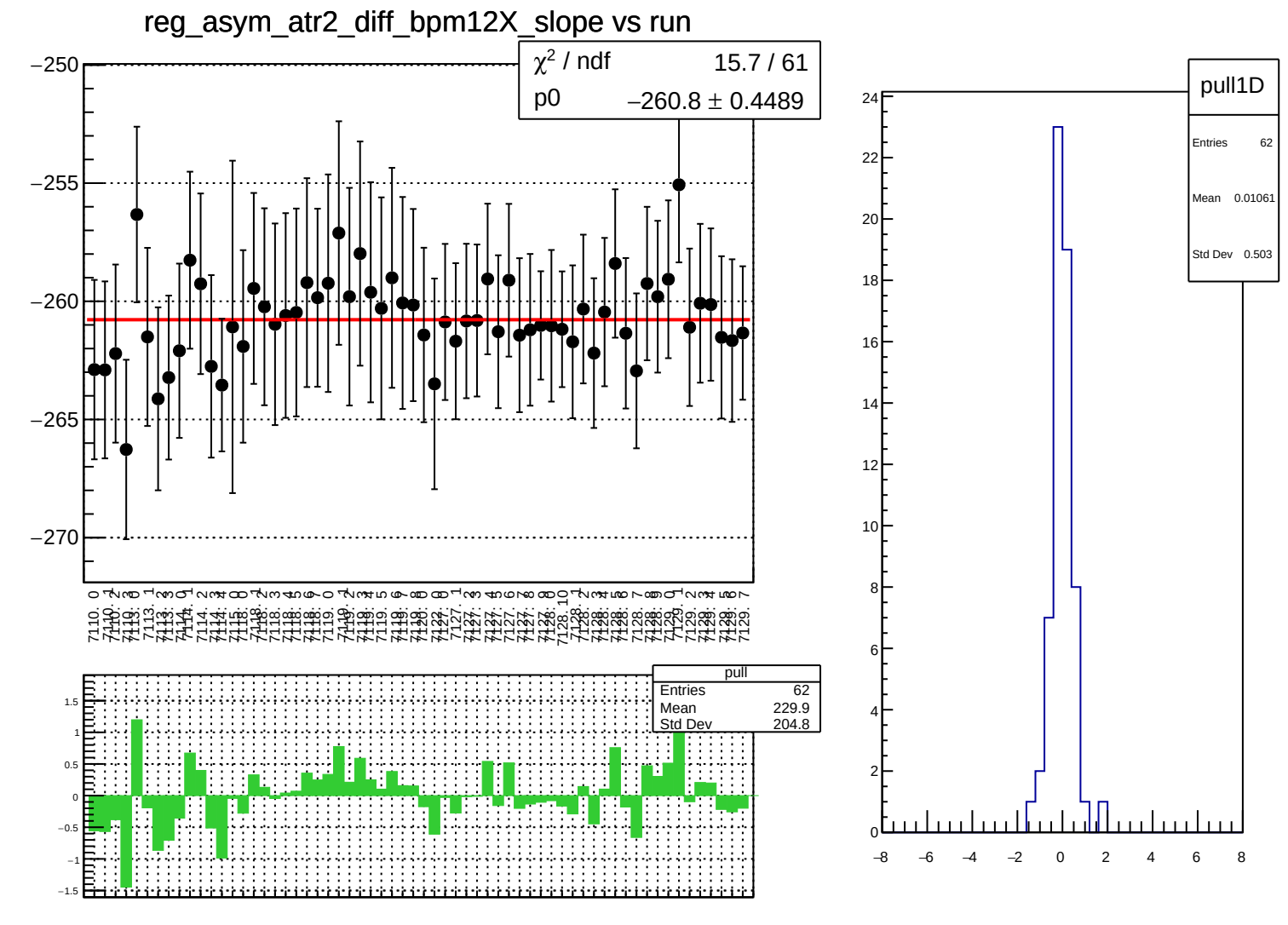

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 20.82 / 61
p0 −32.67 ± 9.305
pull
Entries 62
Mean −255.2
Std Dev 286.4

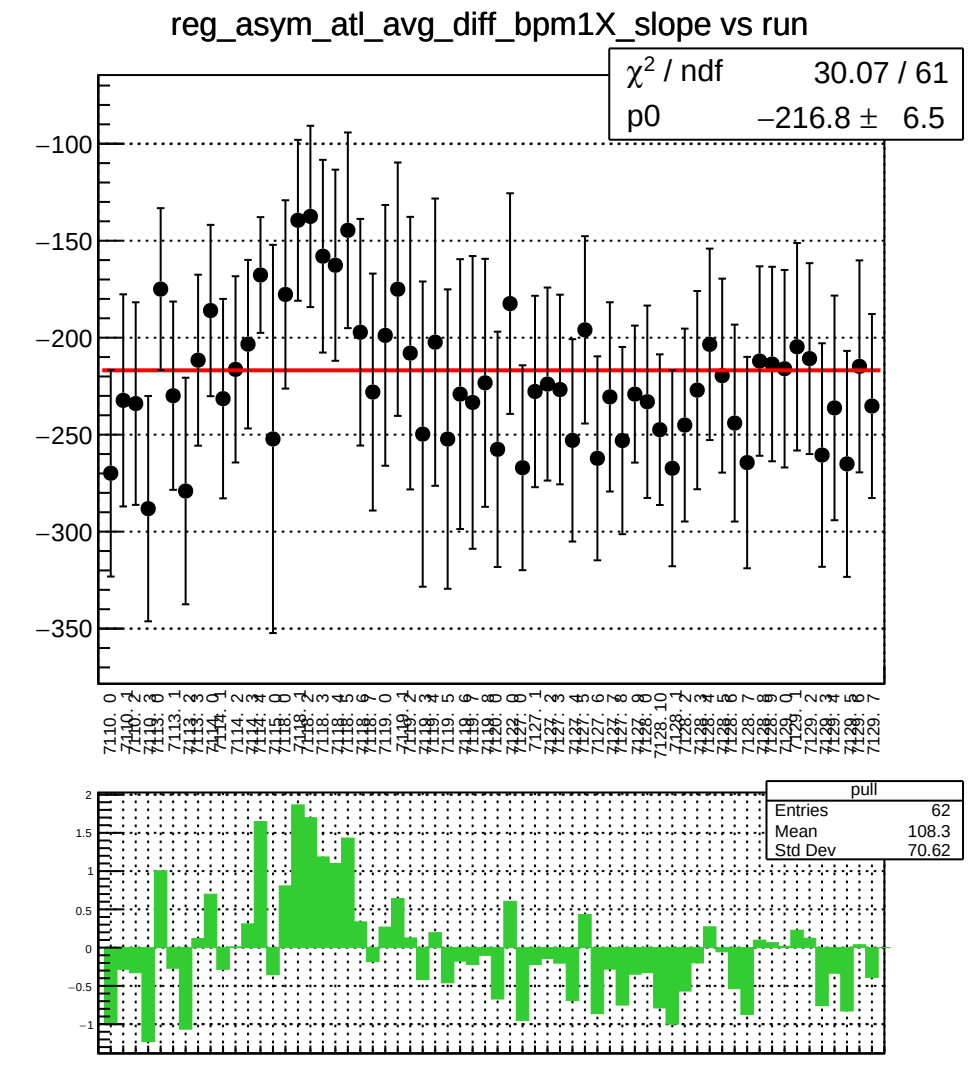

pull1D
Entries 62
Mean −0.01925
Std Dev 0.5792

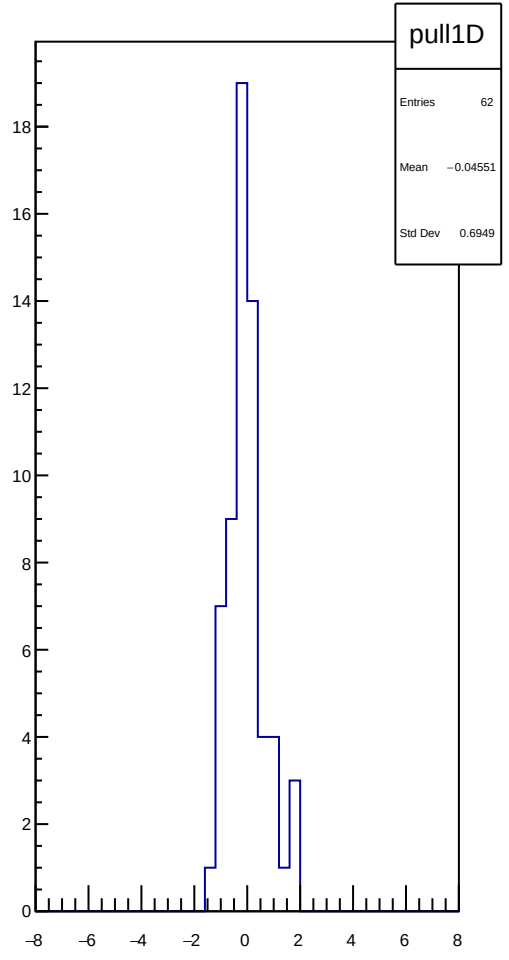

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 58.7 / 61
p0 450.4 ± 10.88
700
600
500
400
300
200
pull
Entries 62
Mean 123.6
Std Dev 88.16
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 62
Mean 0.07834
Std Dev 0.9699
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

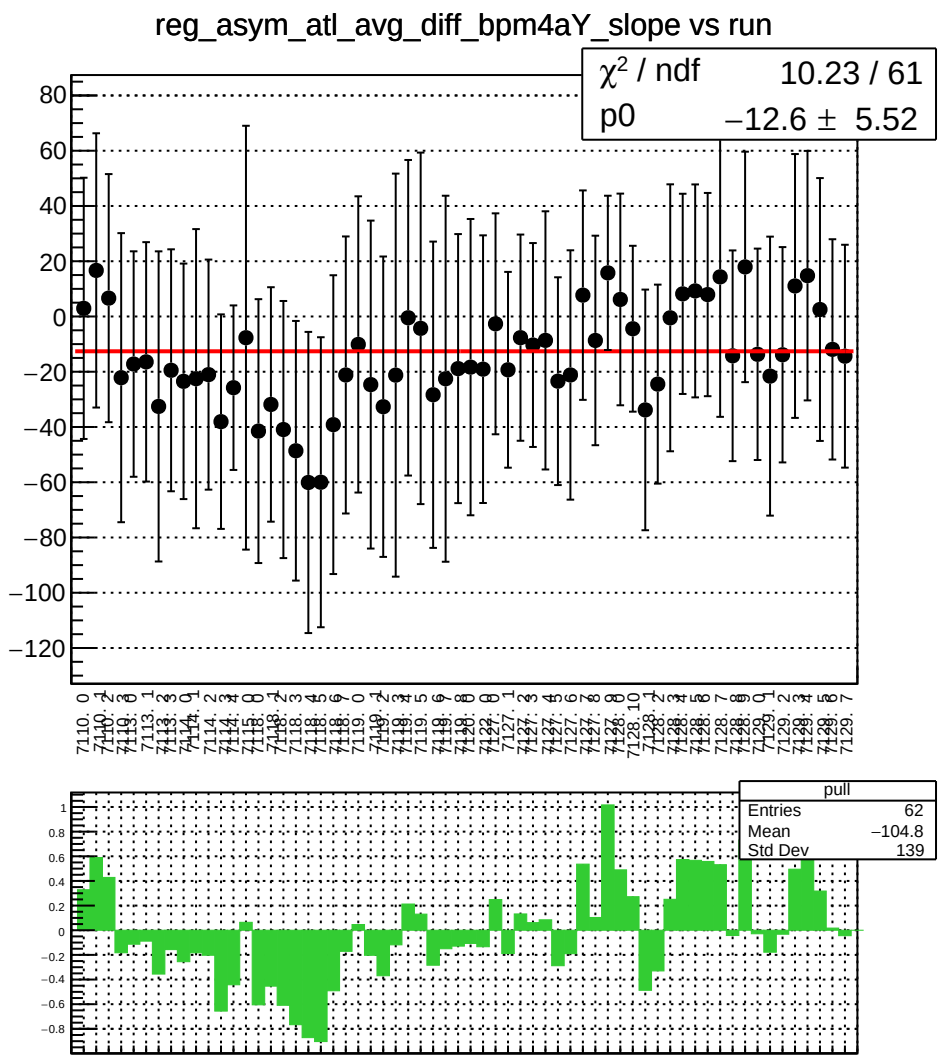

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 24.26 / 61
p0 171.8 ± 9.813
pull
Entries 62
Mean −199.8
Std Dev 231.4

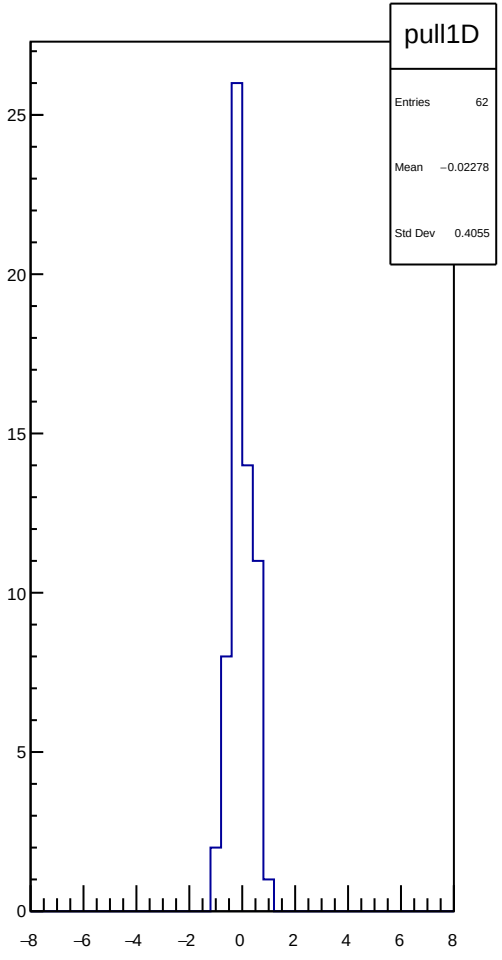

pull1D
Entries 62
Mean 0.02639
Std Dev 0.625

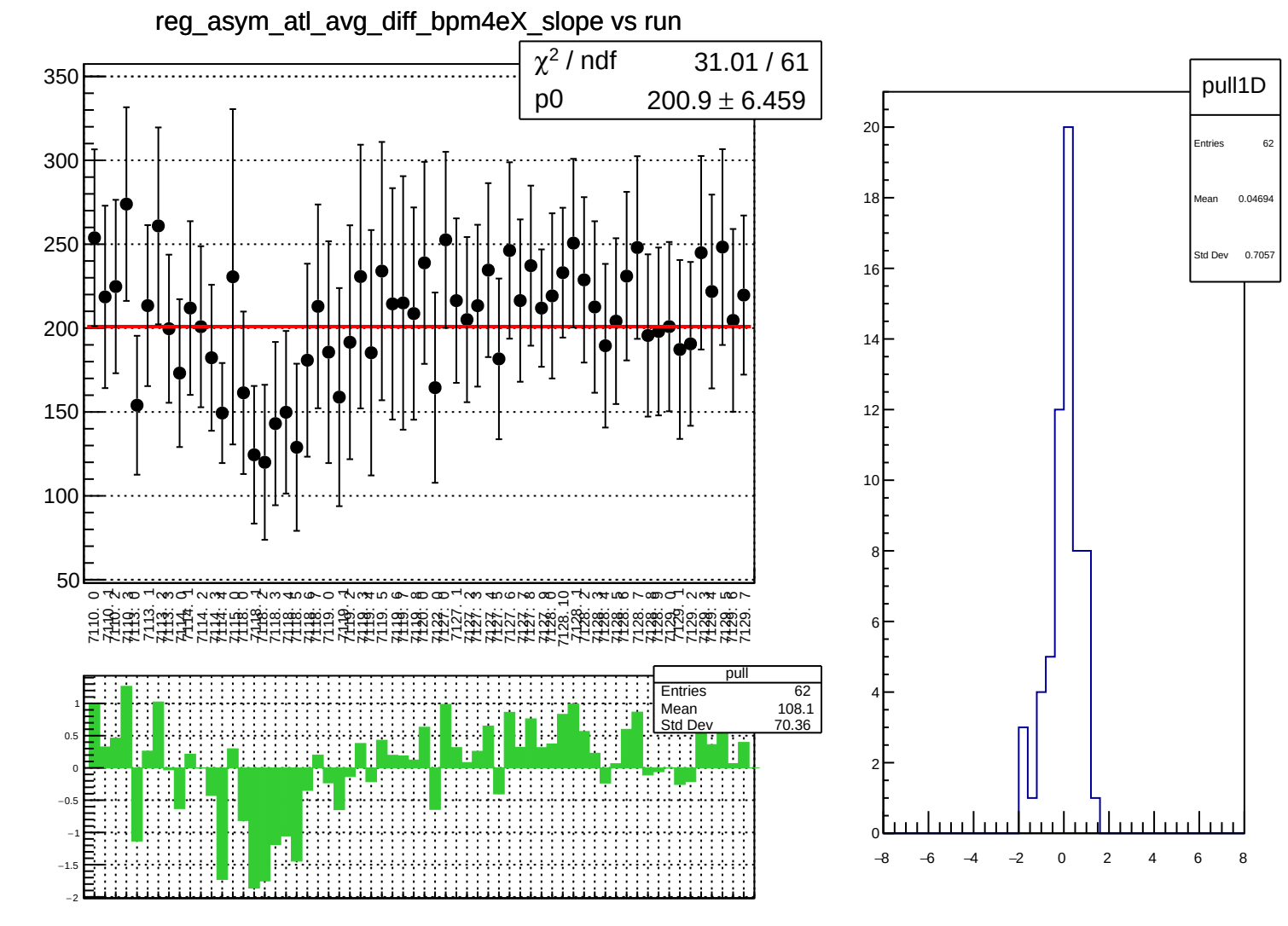

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 15.7 / 61
p0 −260.8 ± 0.4489
−250
−255
−260
−265
−270
pull
Entries 62
Mean 229.9
Std Dev 204.8
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 62
Mean 0.01061
Std Dev 0.503
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

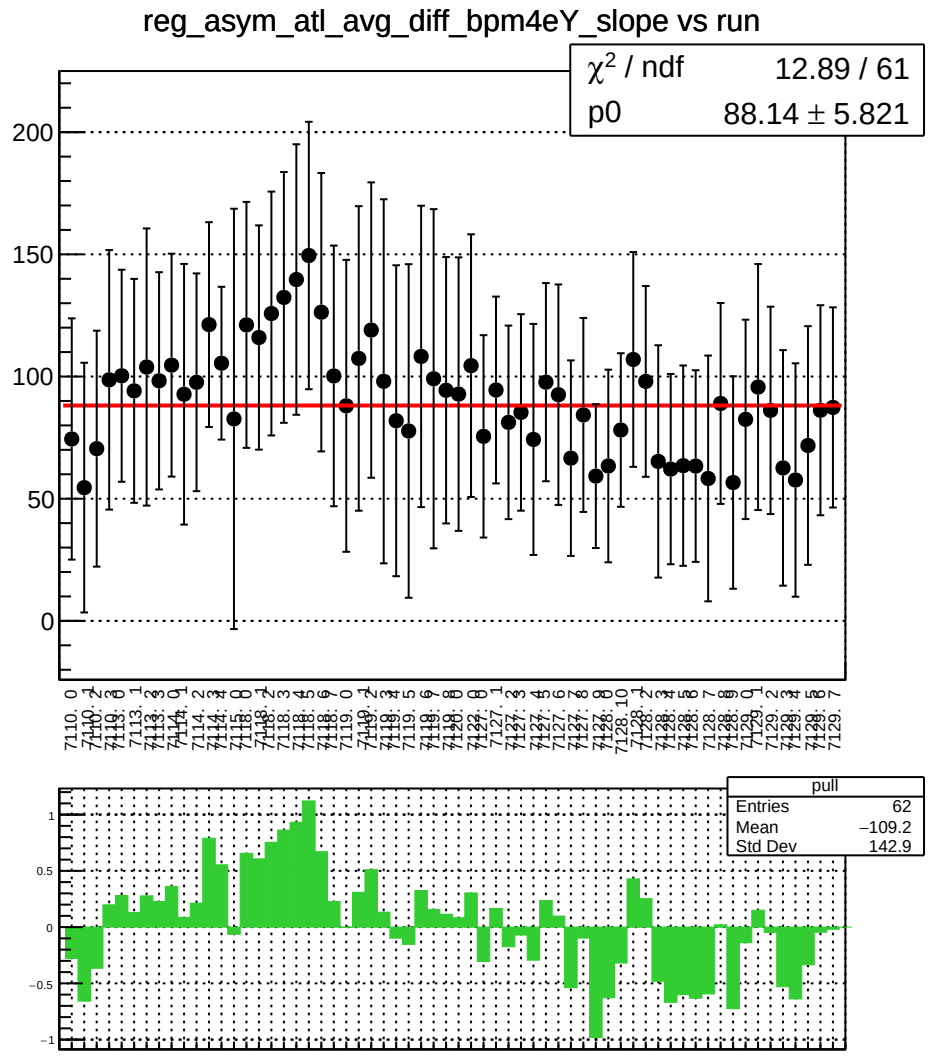

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 30.07 / 61
p0 −216.8 ± 6.5
pull
Entries 62
Mean 108.3
Std Dev 70.62

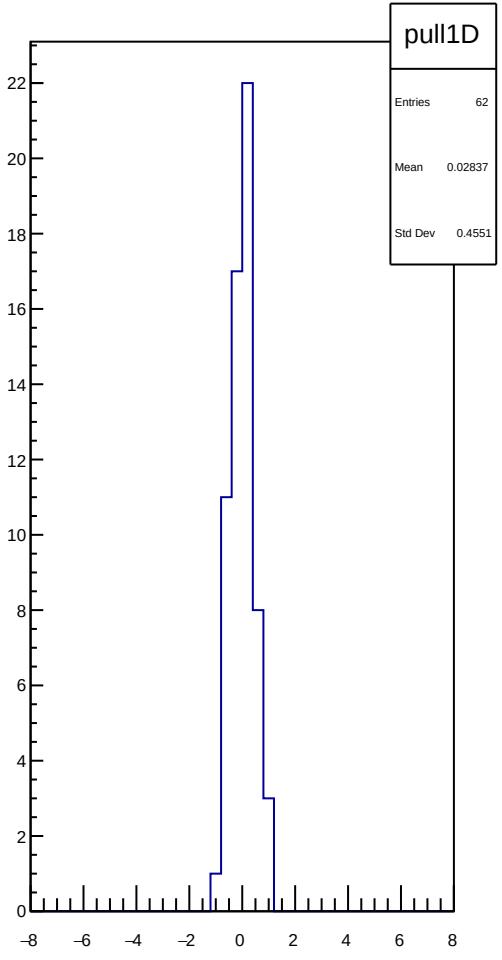

pull1D
Entries 62
Mean −0.04551
Std Dev 0.6949

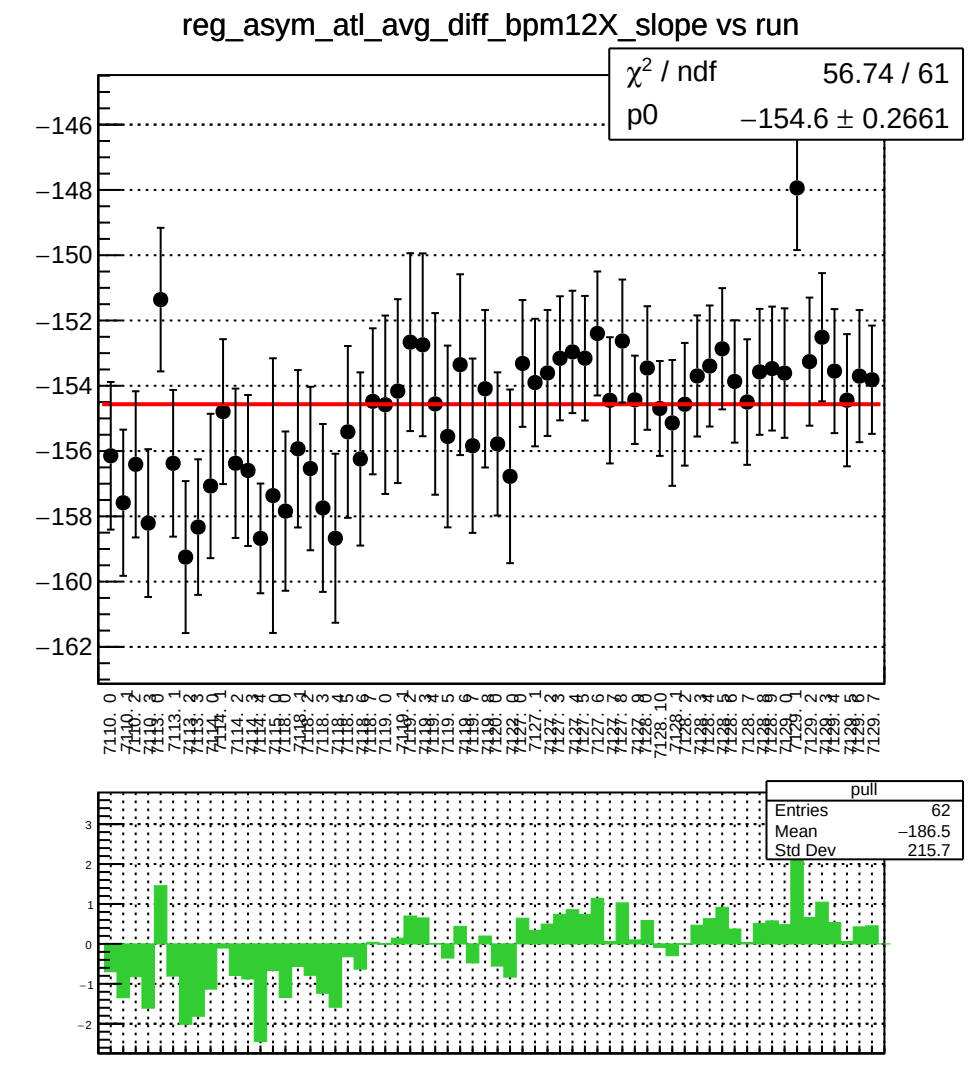

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.23 / 61
p0 −12.6 ± 5.52
pull
Entries 62
Mean −104.8
Std Dev 139

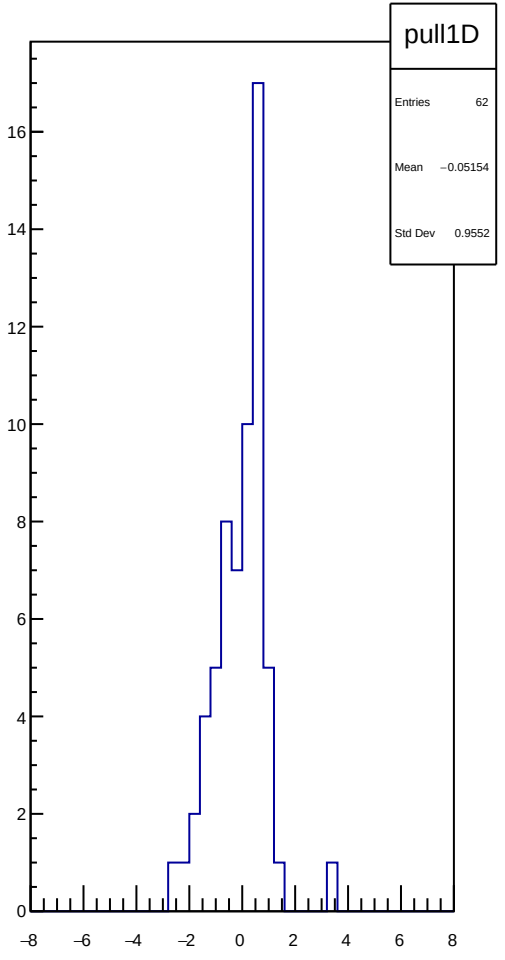

pull1D
Entries 62
Mean −0.02278
Std Dev 0.4055

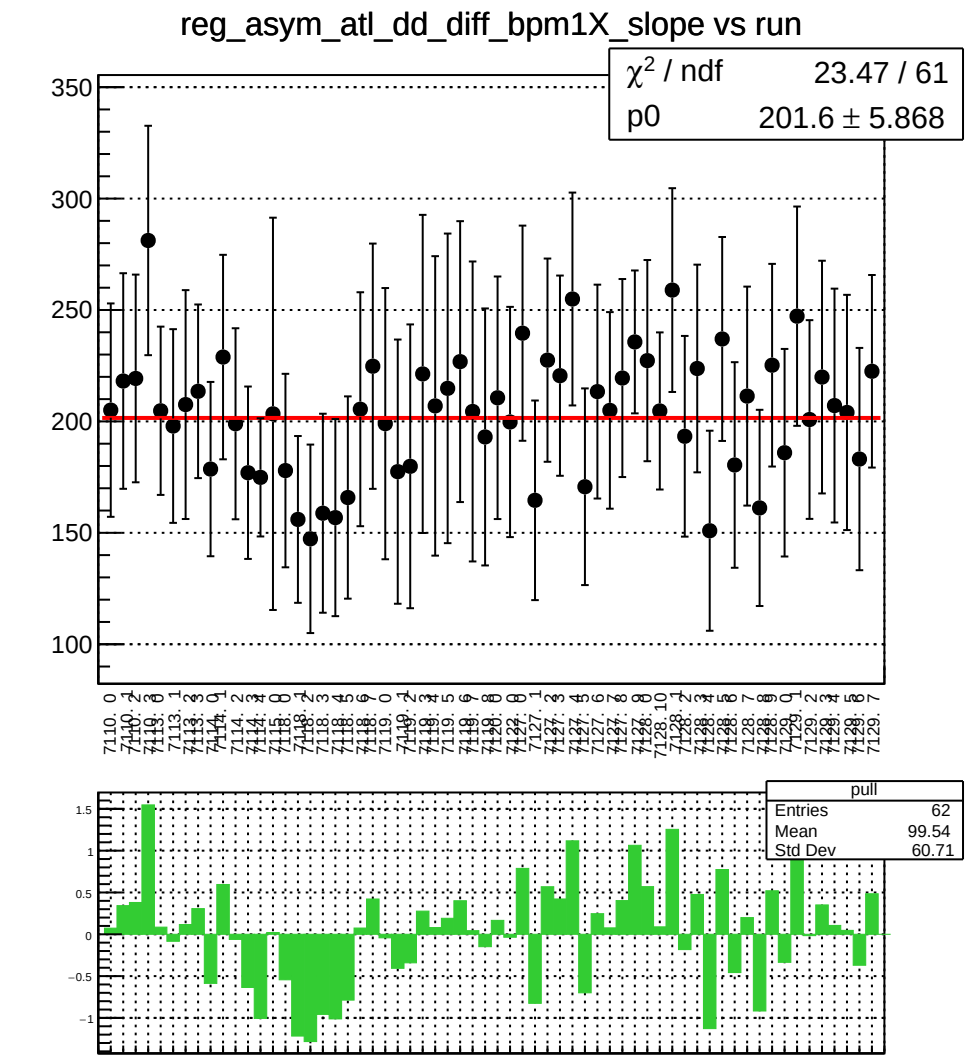

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.01 / 61
p0 200.9 ± 6.459
pull
Entries 62
Mean 108.1
Std Dev 70.36
pull1D
Entries 62
Mean 0.04694
Std Dev 0.7057

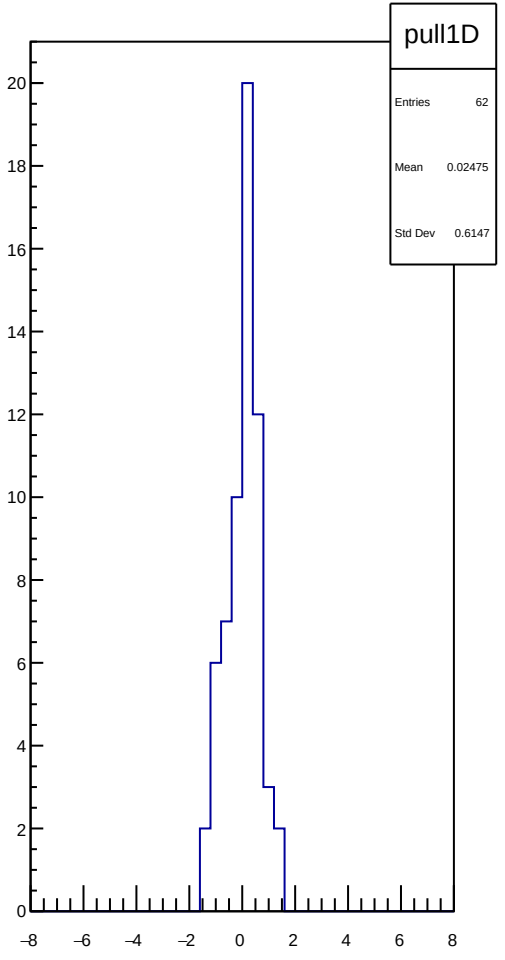

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.89 / 61
p0 88.14 ± 5.821
pull
Entries 62
Mean −109.2
Std Dev 142.9

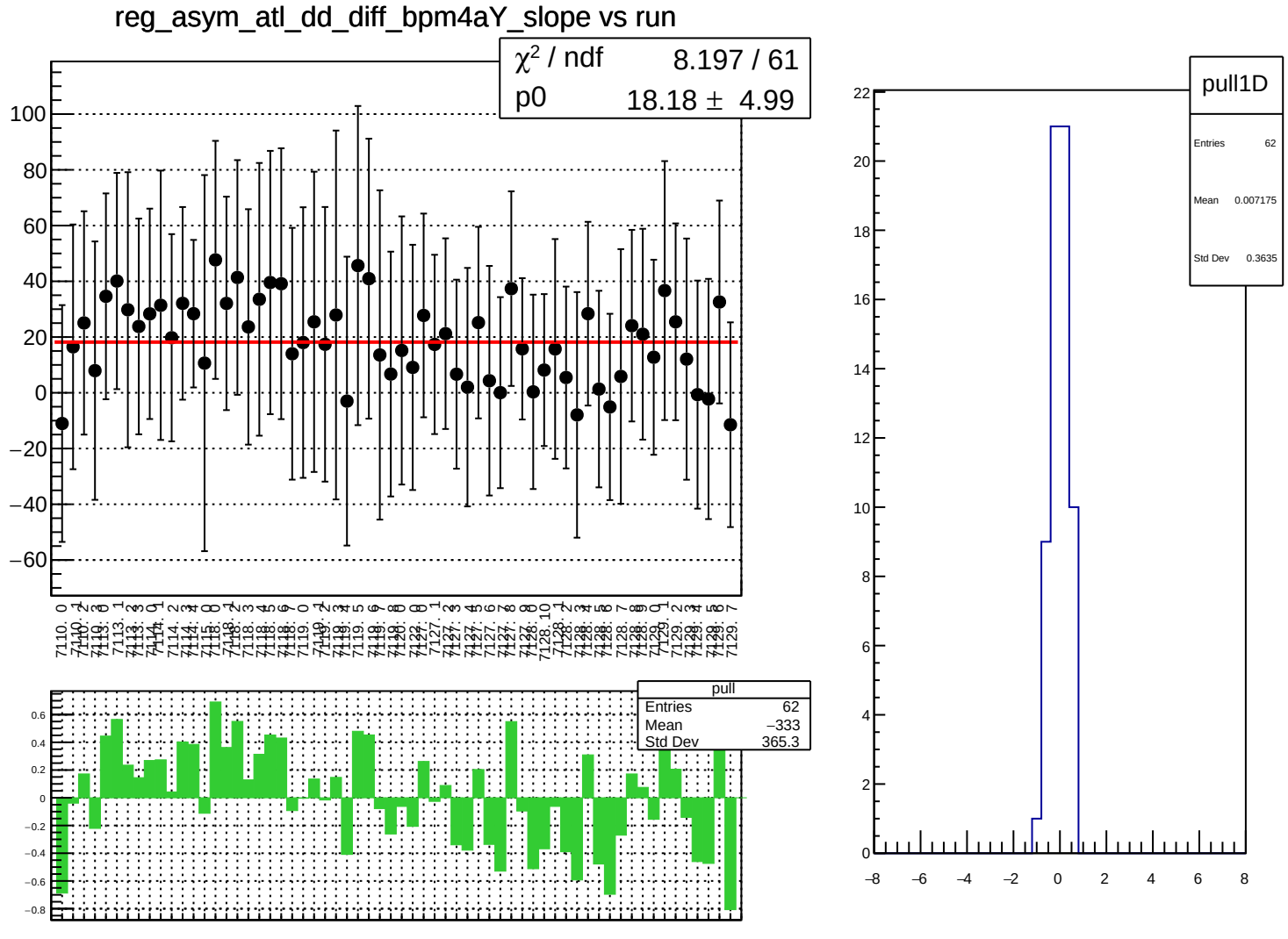

pull1D
Entries 62
Mean 0.02837
Std Dev 0.4551

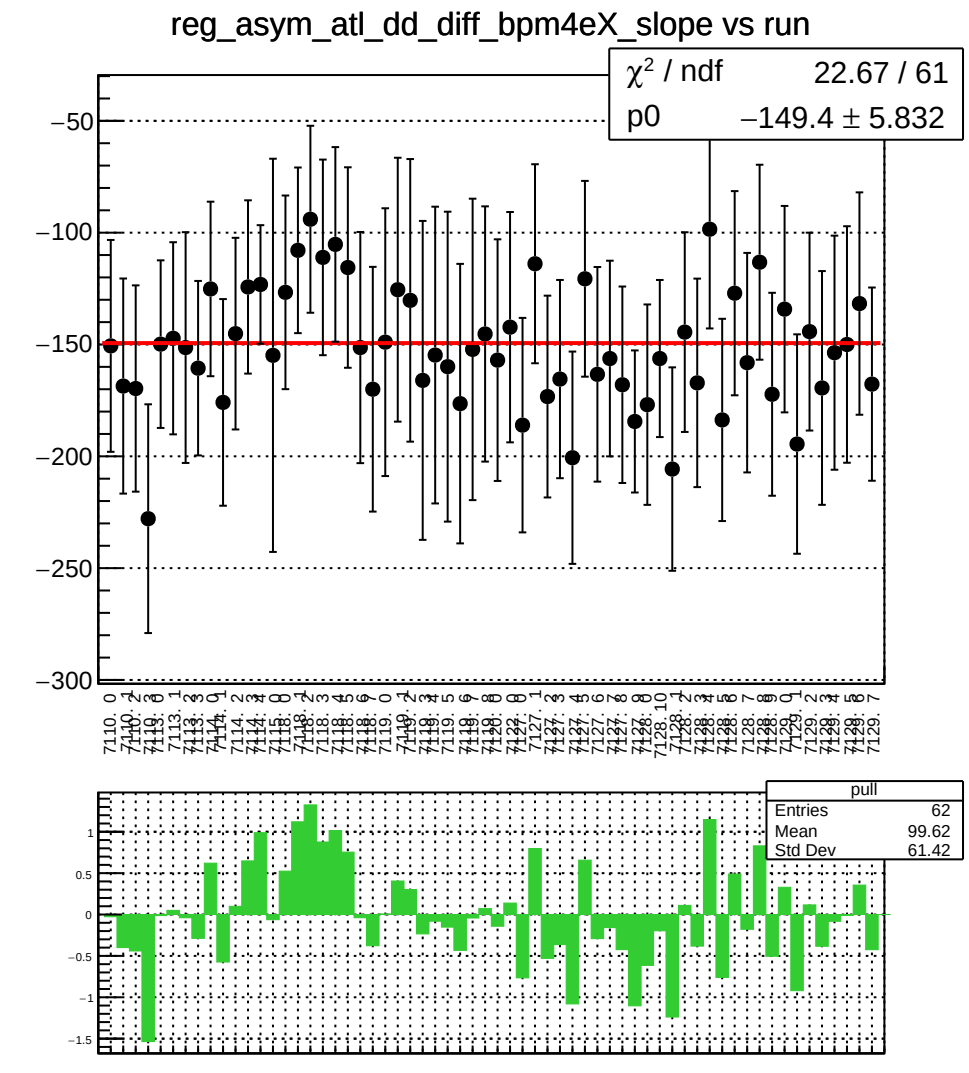

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 56.74 / 61
p0 −154.6 ± 0.2661
pull
Entries 62
Mean −186.5
Std Dev 215.7

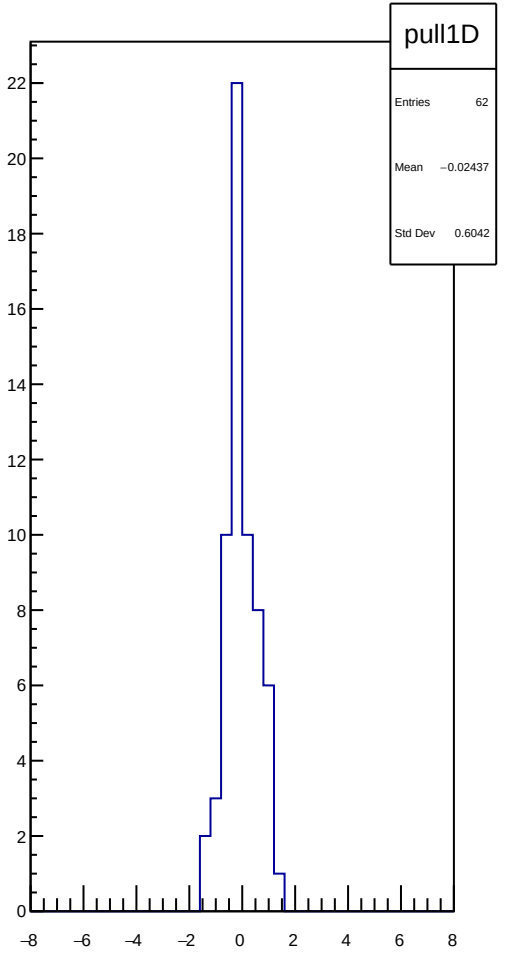

pull1D
Entries 62
Mean −0.05154
Std Dev 0.9552

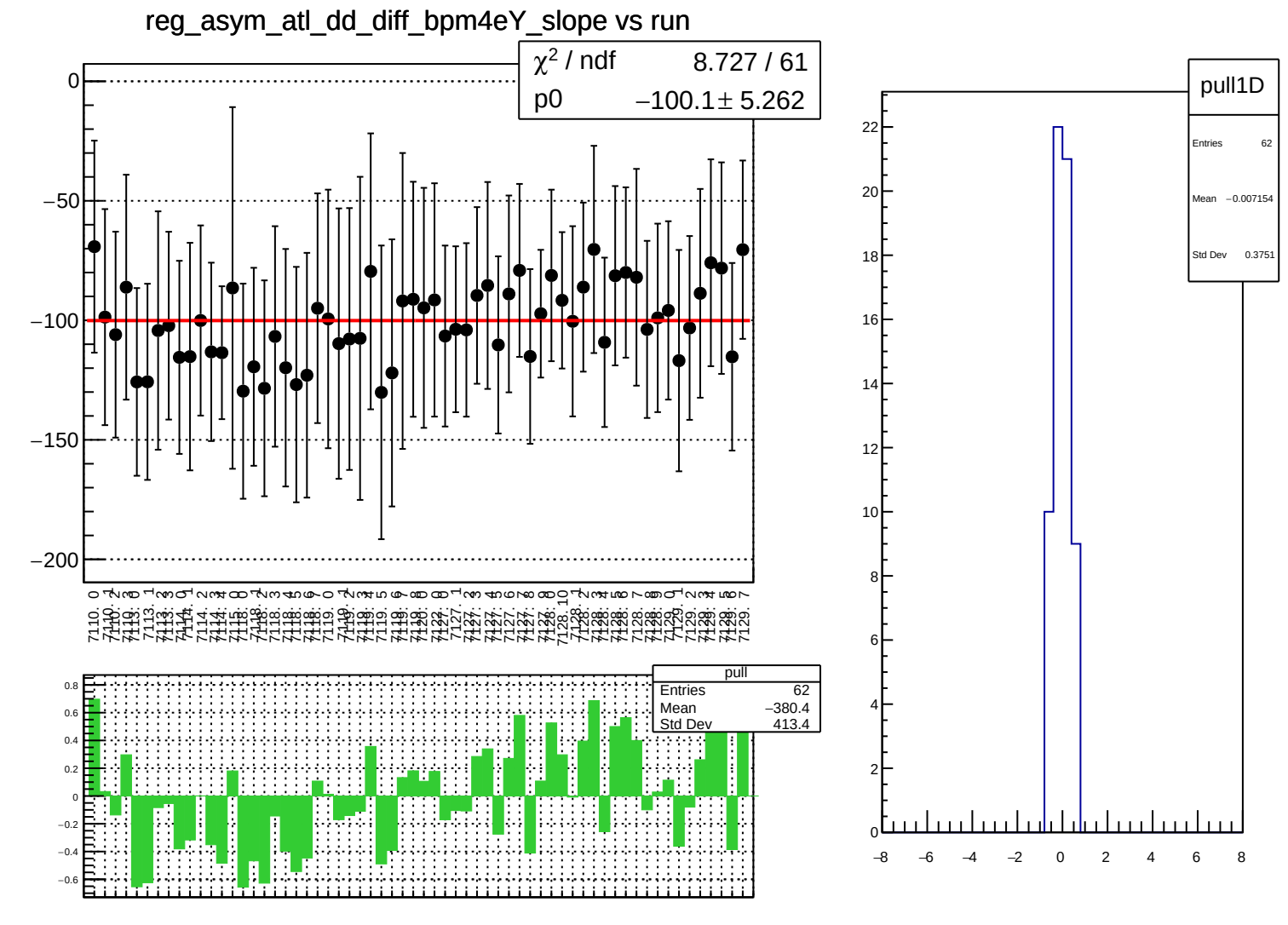

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 23.47 / 61
p0 201.6 ± 5.868
pull
Entries 62
Mean 99.54
Std Dev 60.71

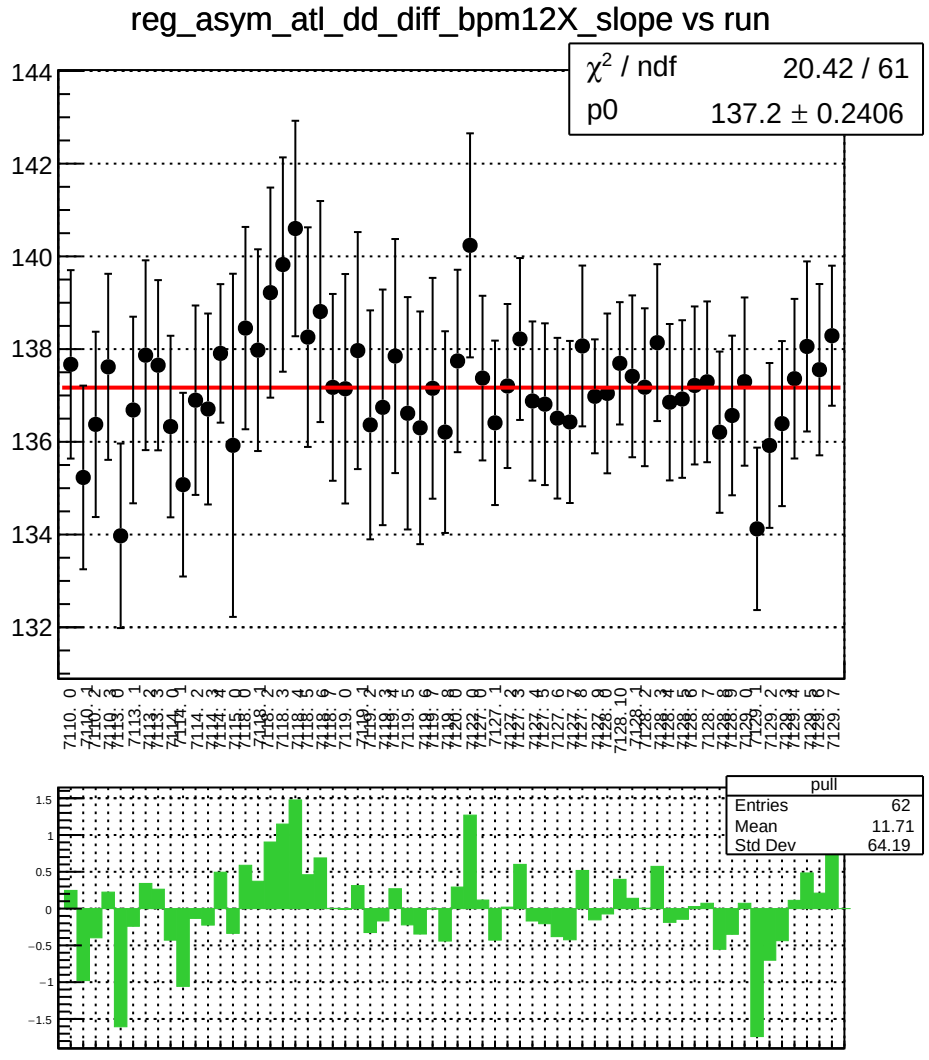

pull1D
Entries 62
Mean 0.02475
Std Dev 0.6147

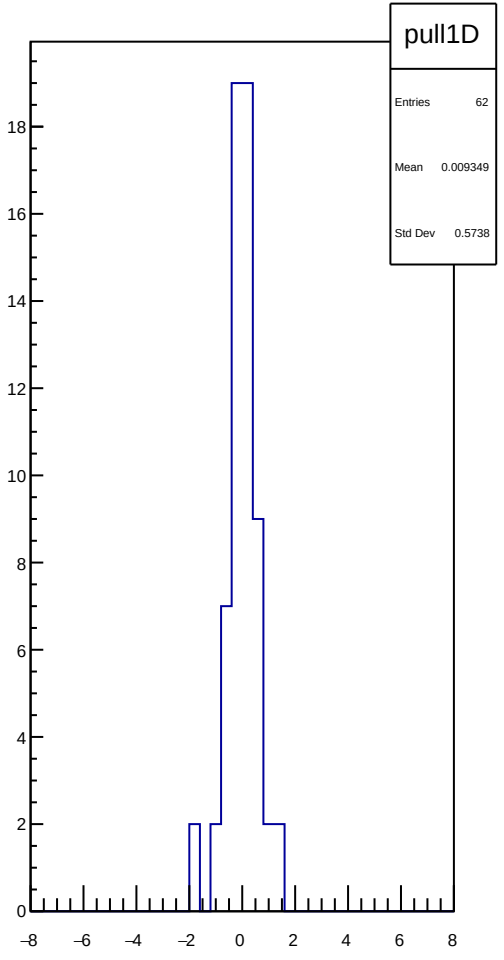

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.197 / 61
p0 18.18 ± 4.99
pull
Entries 62
Mean −333
Std Dev 365.3
pull1D
Entries 62
Mean 0.007175
Std Dev 0.3635

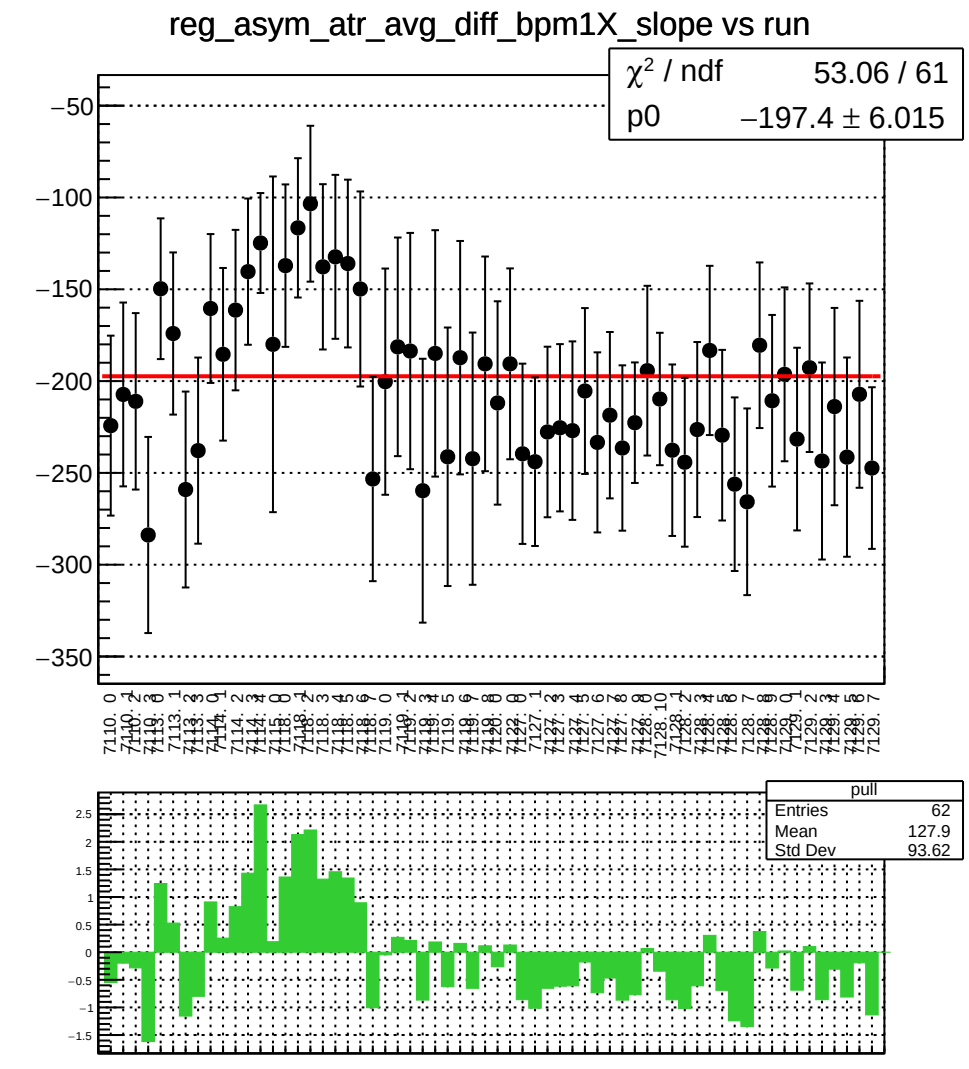

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.67 / 61
p0 −149.4 ± 5.832
pull
Entries 62
Mean 99.62
Std Dev 61.42

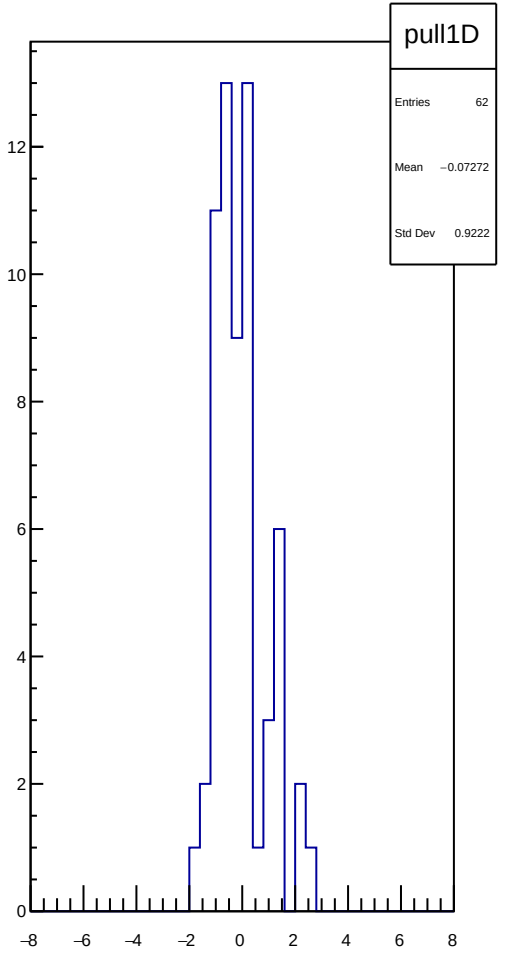

pull1D
Entries 62
Mean −0.02437
Std Dev 0.6042

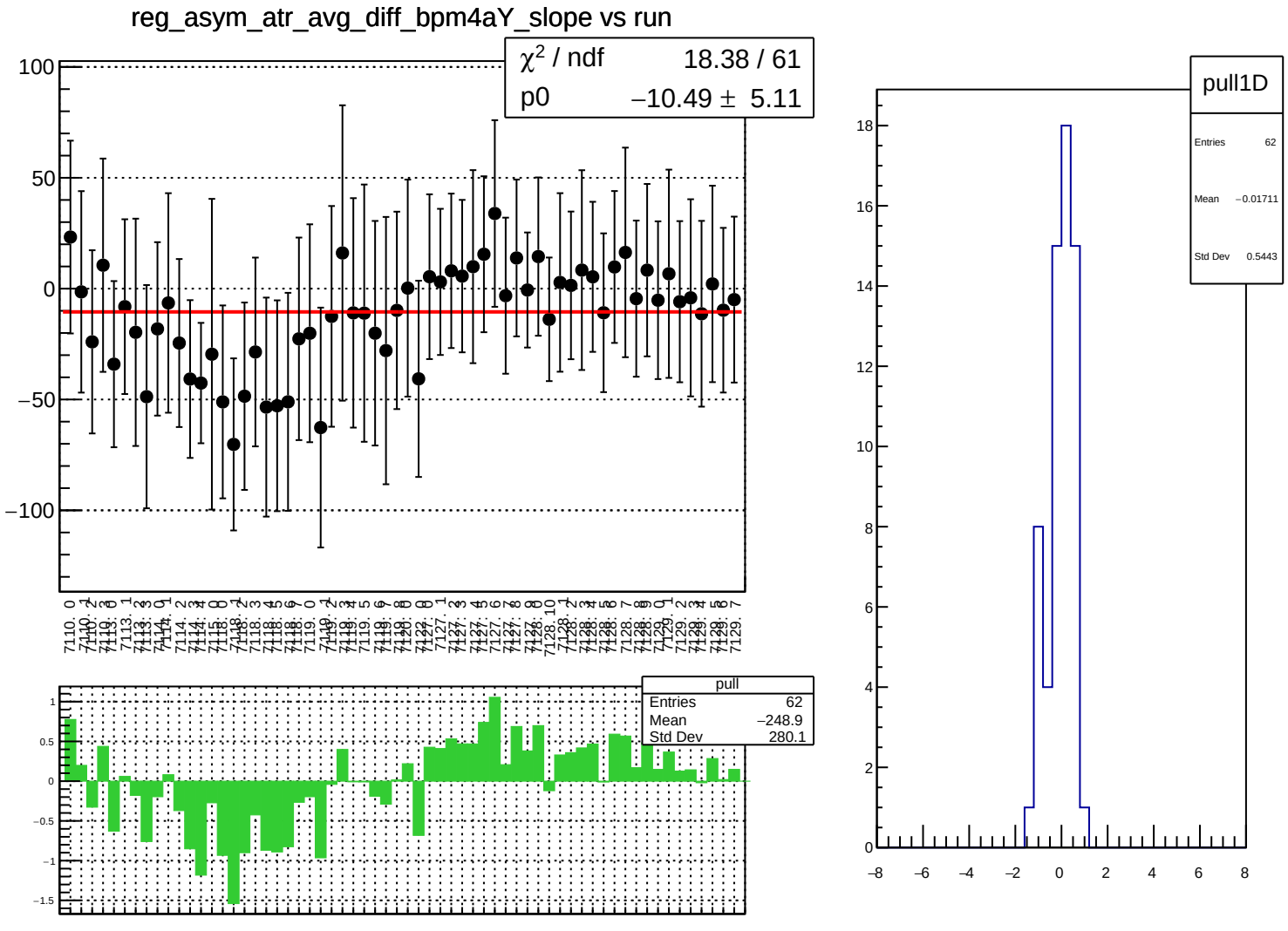

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.727 / 61
p0 −100.1 ± 5.262
pull
Entries 62
Mean −380.4
Std Dev 413.4
pull1D
Entries 62
Mean −0.007154
Std Dev 0.3751

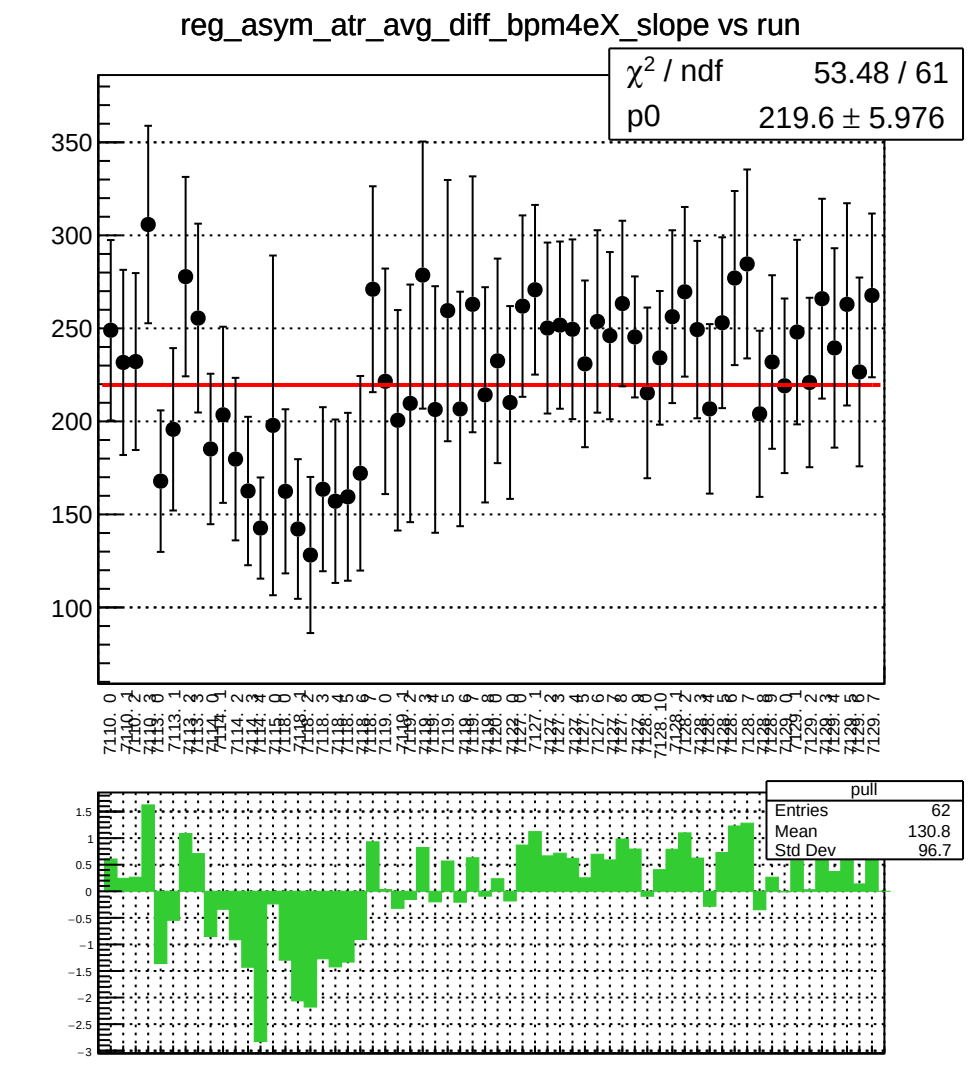

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 20.42 / 61
p0 137.2 ± 0.2406
144
142
140
138
136
134
132
pull
Entries 62
Mean 11.71
Std Dev 64.19
1.5
1
0.5
0
−0.5
−1
−1.5

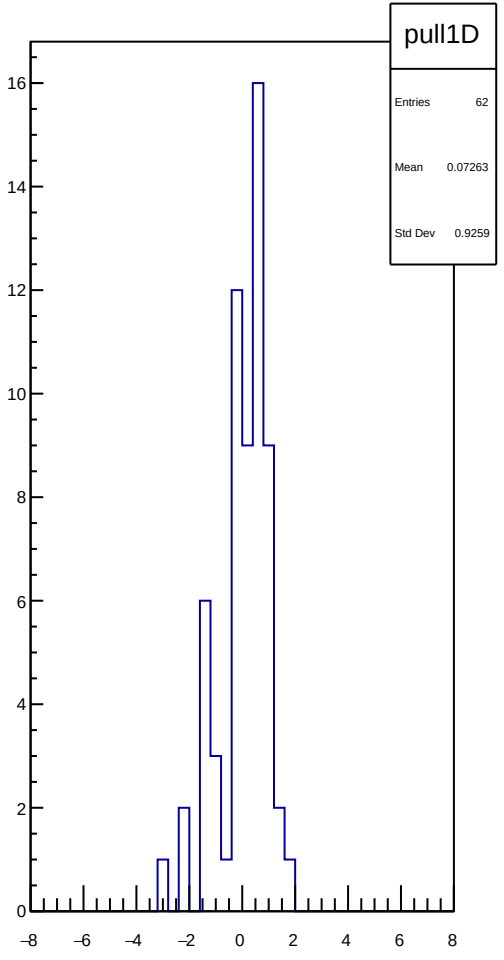

pull1D
Entries 62
Mean 0.009349
Std Dev 0.5738
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

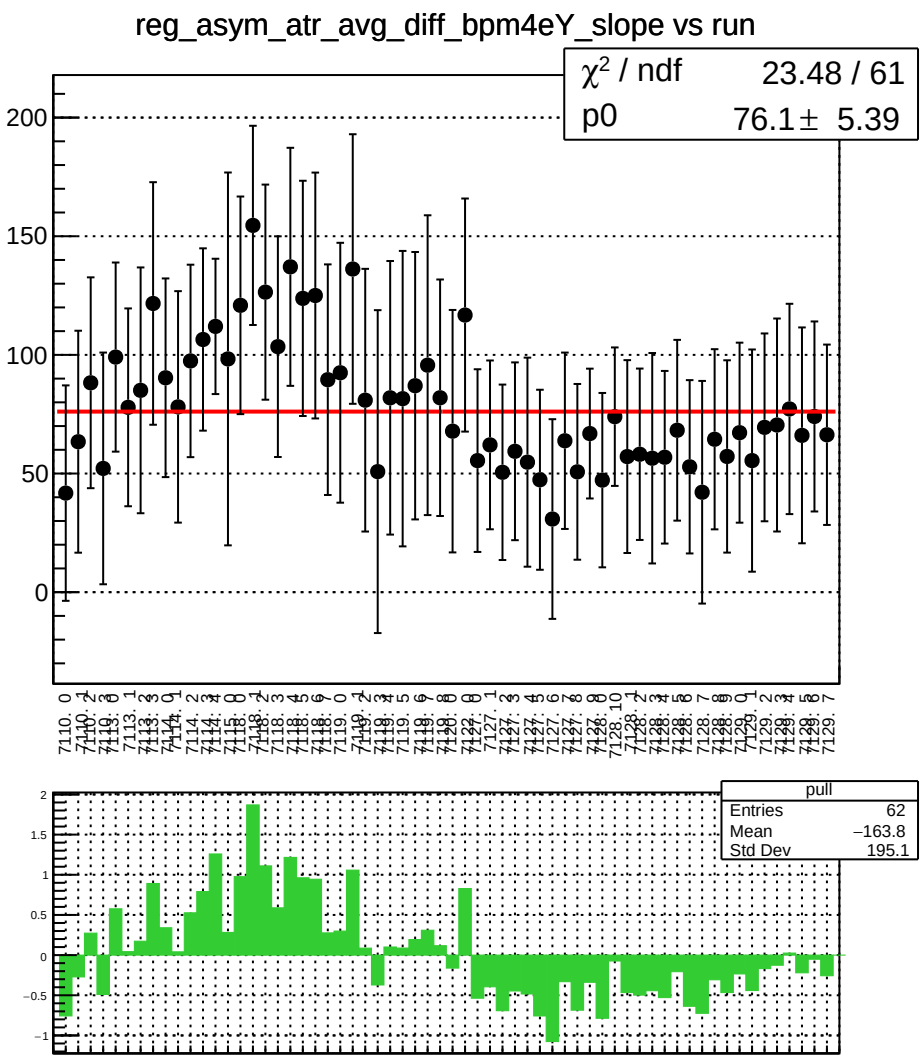

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 53.06 / 61
p0 −197.4 ± 6.015
pull
Entries 62
Mean 127.9
Std Dev 93.62

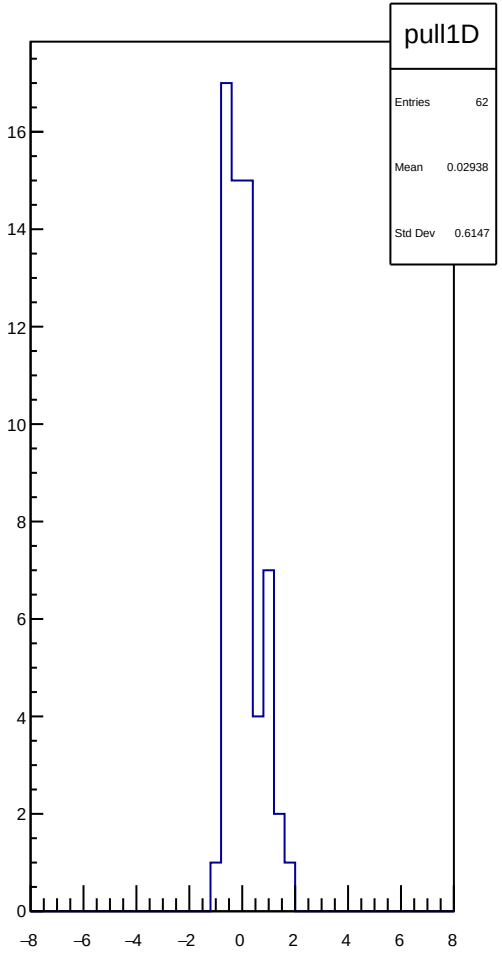

pull1D
Entries 62
Mean −0.07272
Std Dev 0.9222

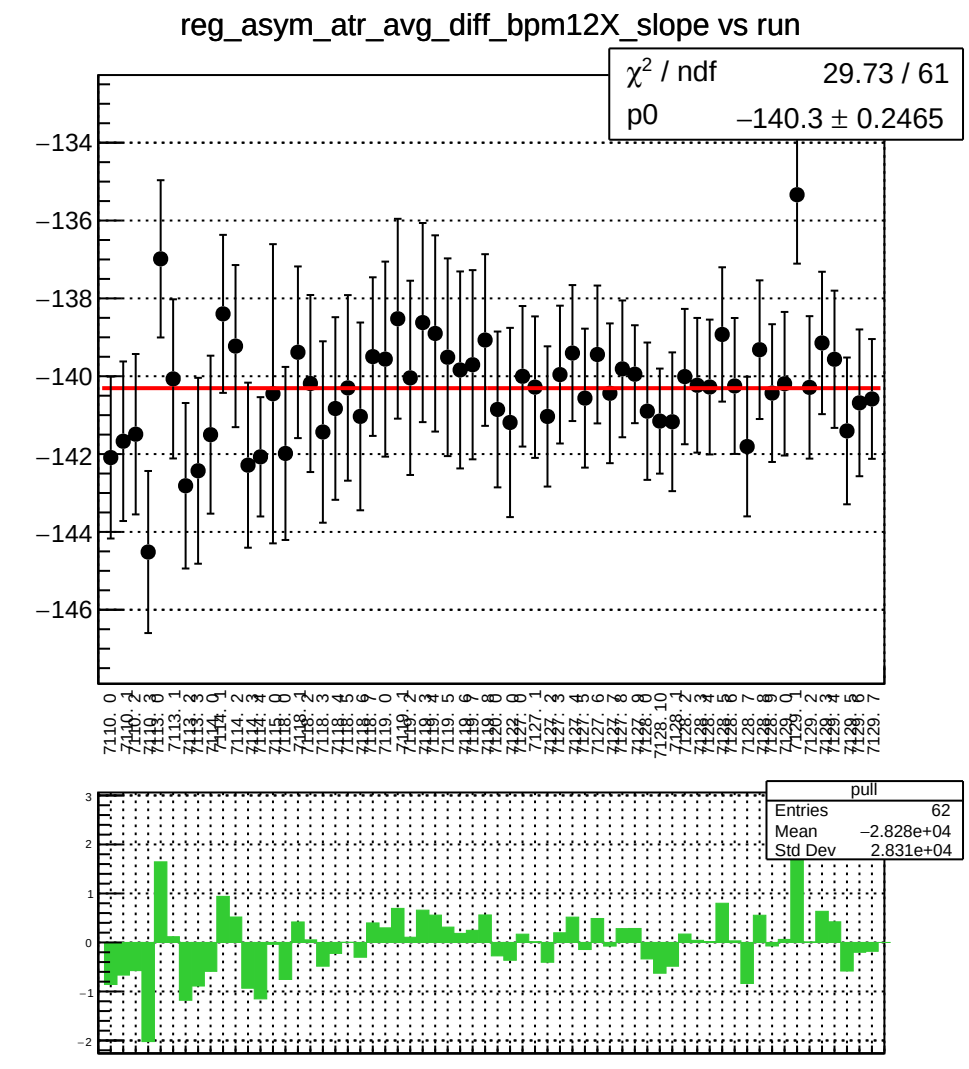

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.38 / 61
p0 −10.49 ± 5.11
pull
Entries 62
Mean −248.9
Std Dev 280.1
pull1D
Entries 62
Mean −0.01711
Std Dev 0.5443

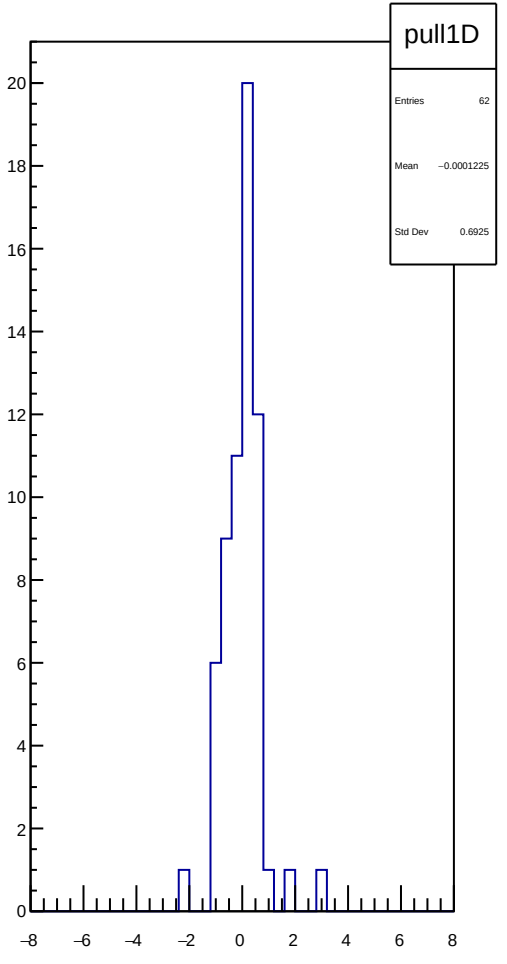

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 53.48 / 61
p0 219.6 ± 5.976
pull
Entries 62
Mean 130.8
Std Dev 96.7

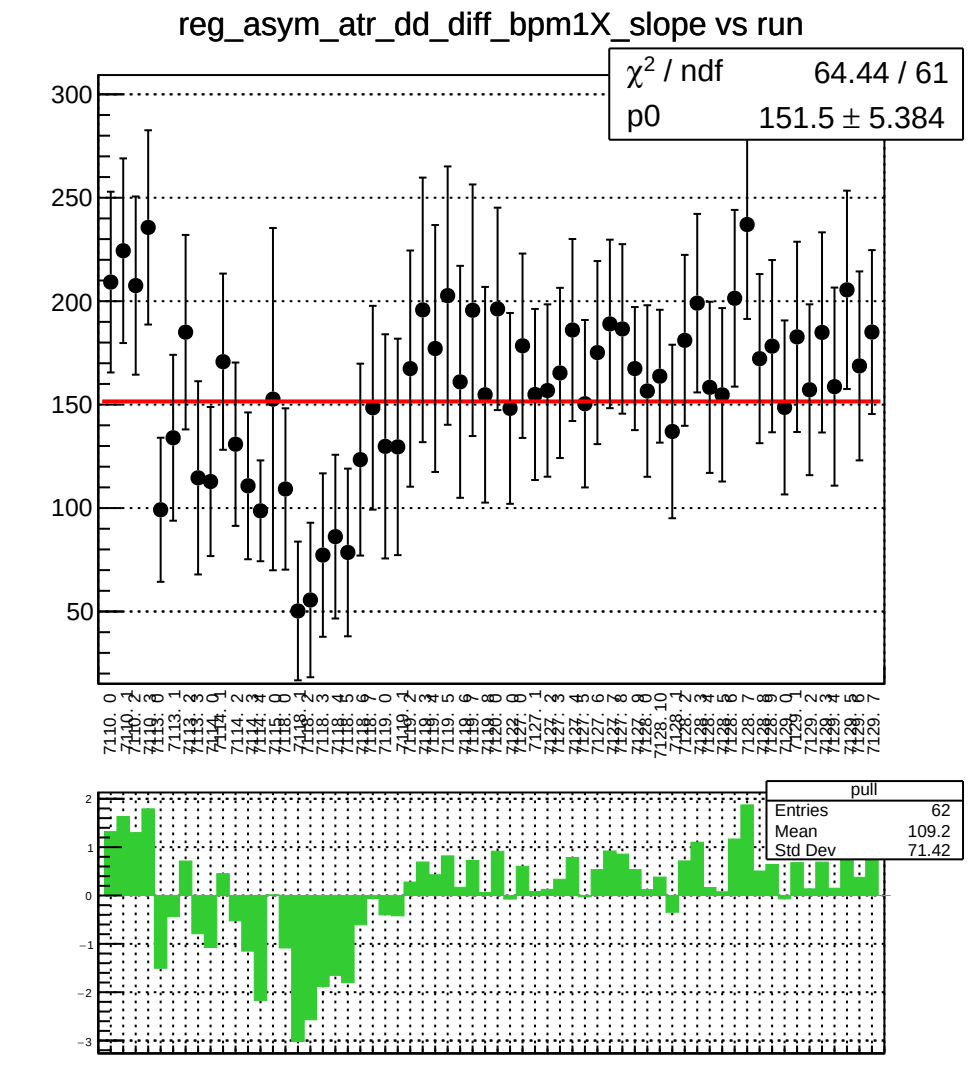

pull1D
Entries 62
Mean 0.07263
Std Dev 0.9259

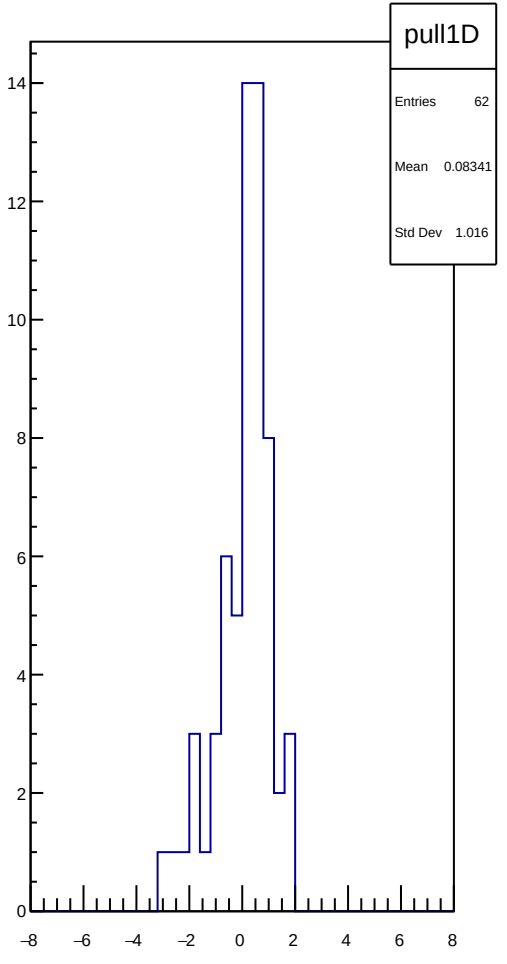

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.48 / 61
p0 76.1 ± 5.39
pull
Entries 62
Mean −163.8
Std Dev 195.1

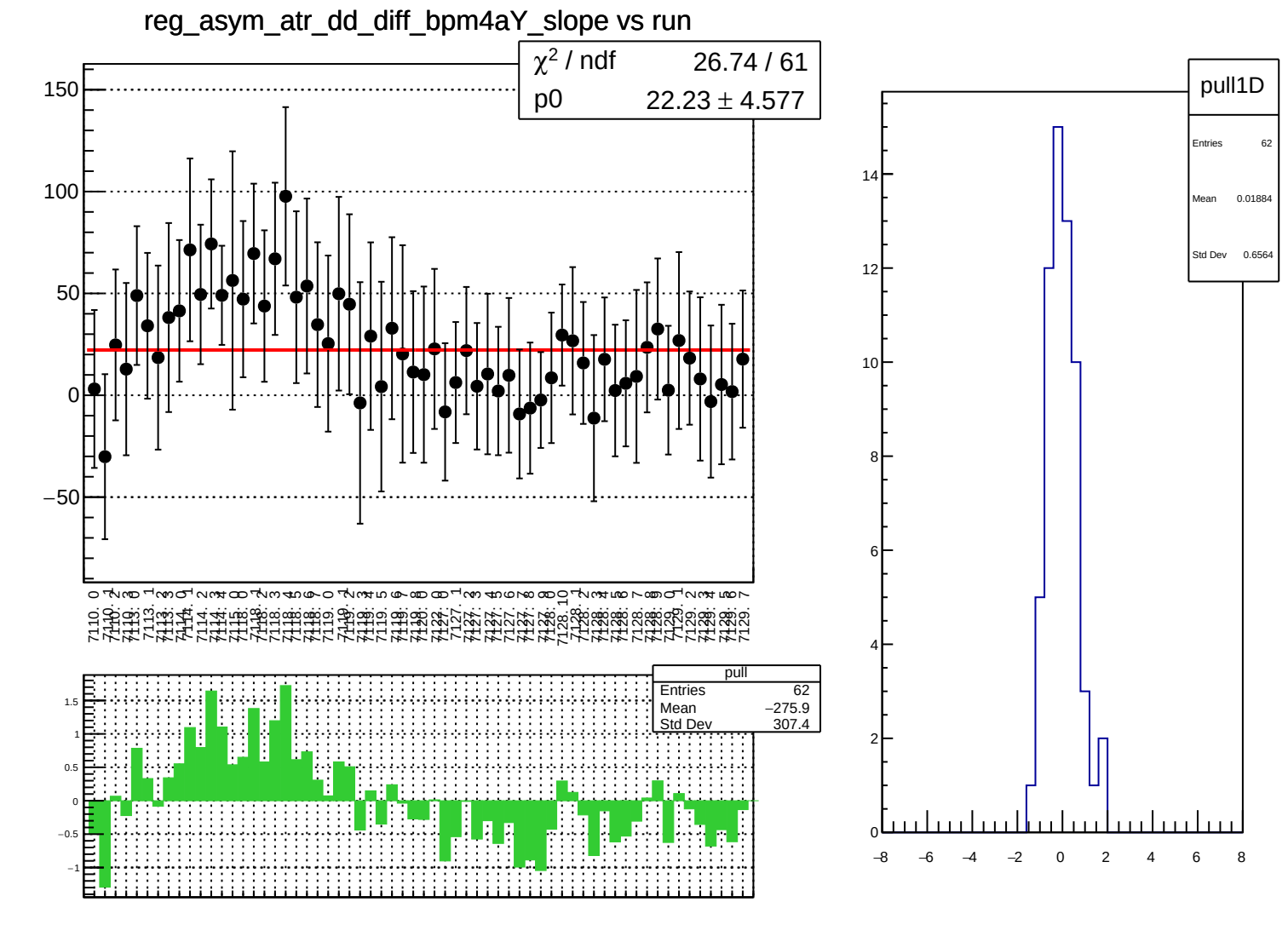

pull1D
Entries 62
Mean 0.02938
Std Dev 0.6147

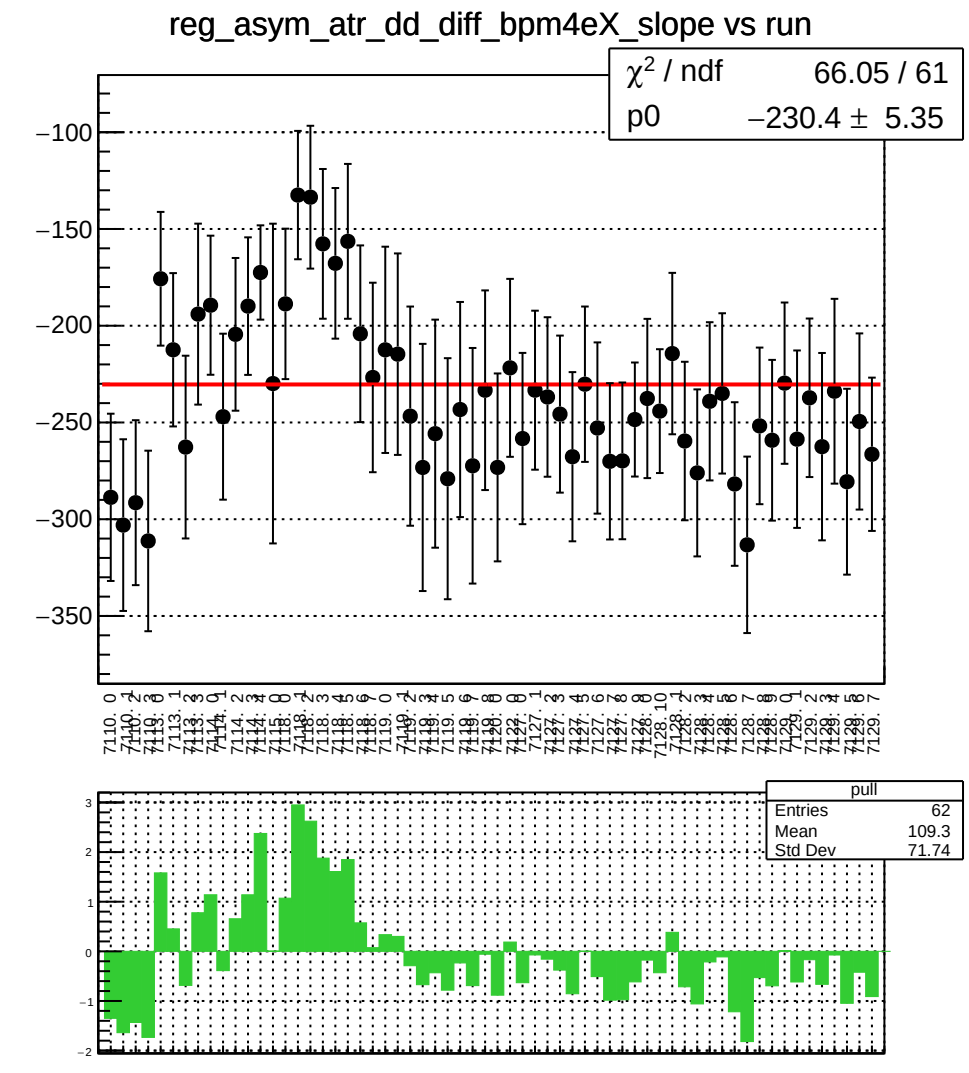

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 29.73 / 61
p0 −140.3 ± 0.2465
pull
Entries 62
Mean −2.828e+04
Std Dev 2.831e+04

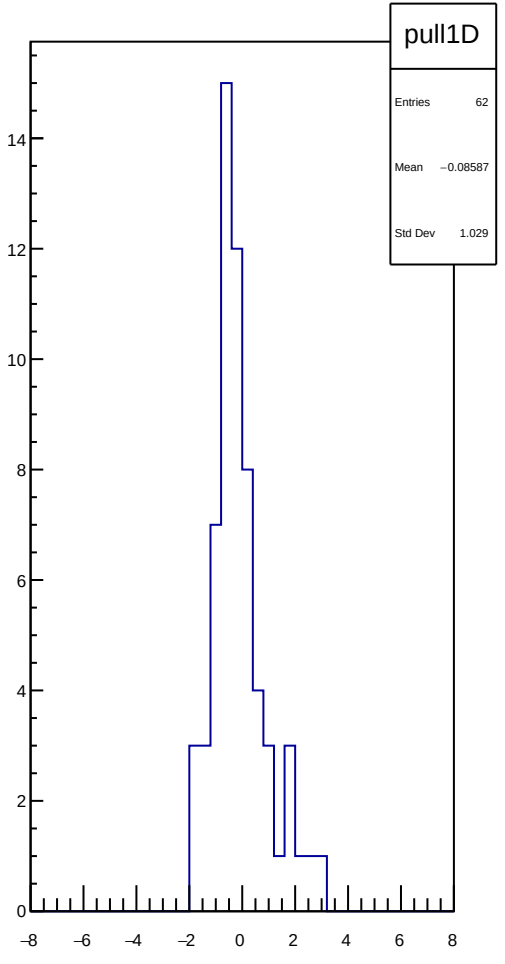

pull1D
Entries 62
Mean −0.0001225
Std Dev 0.6925

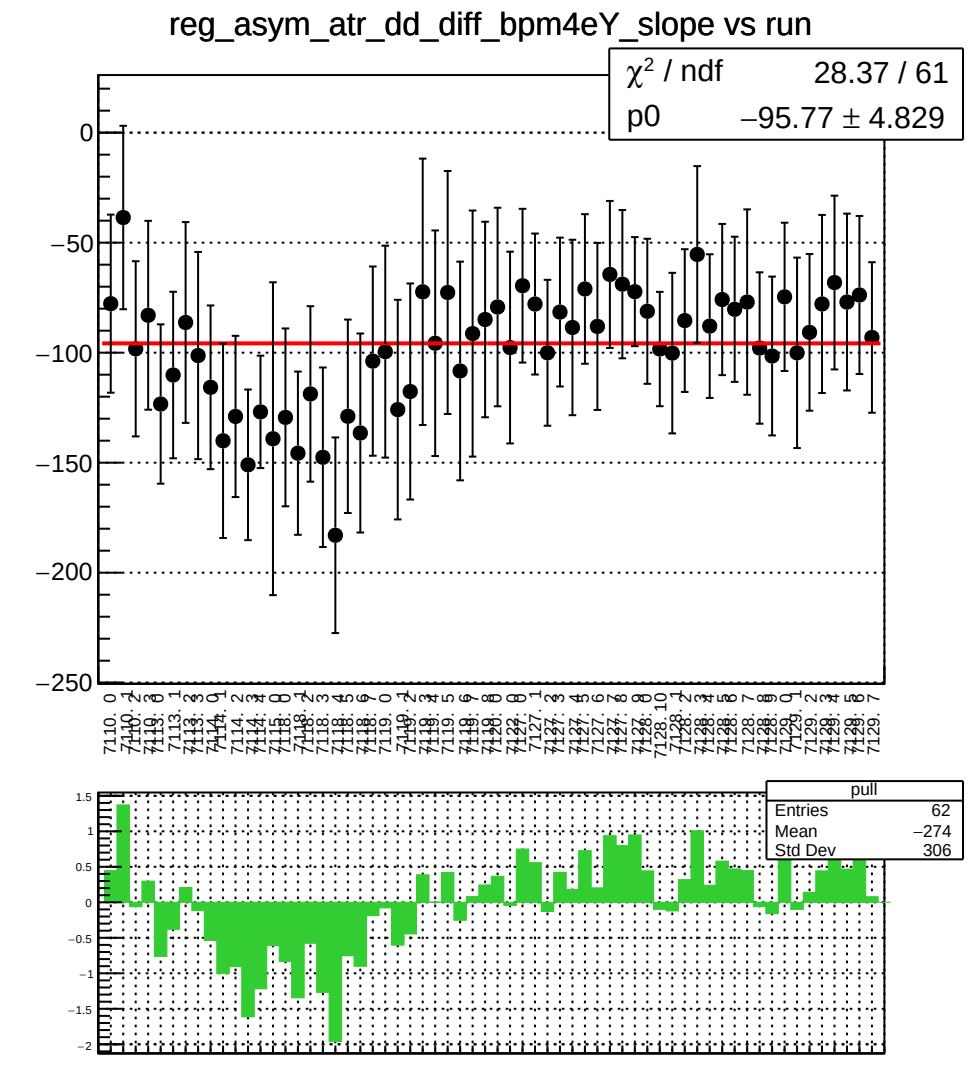

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 64.44 / 61
p0 151.5 ± 5.384
pull
Entries 62
Mean 109.2
Std Dev 71.42

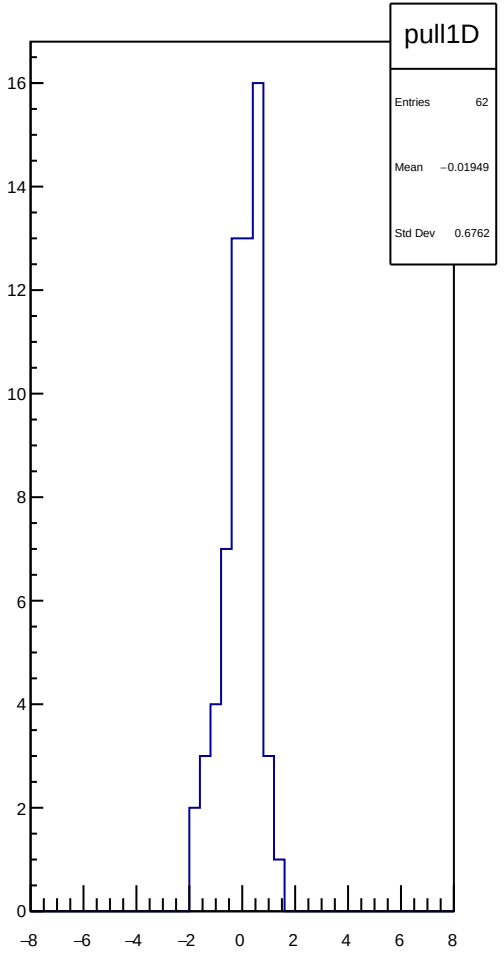

pull1D
Entries 62
Mean 0.08341
Std Dev 1.016

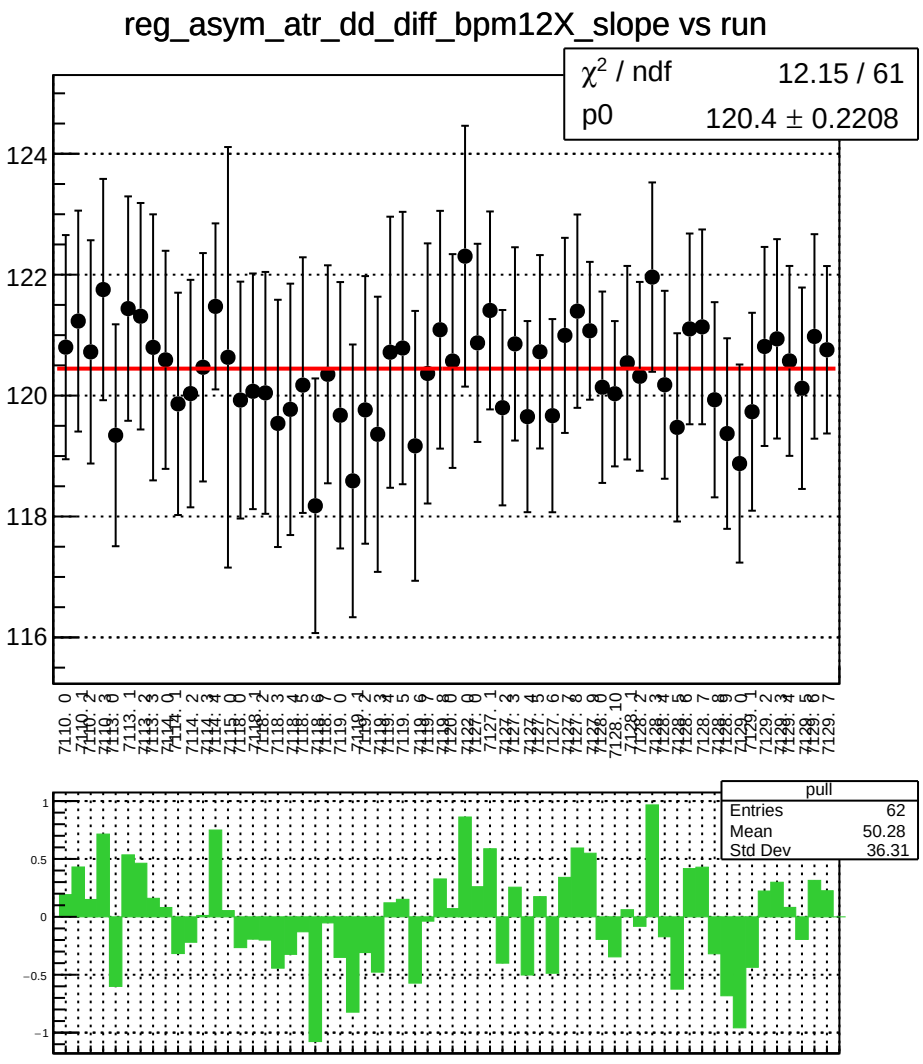

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.74 / 61
p0 22.23 ± 4.577
150
100
50
0
−50
pull
Entries 62
Mean −275.9
Std Dev 307.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 62
Mean 0.01884
Std Dev 0.6564
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

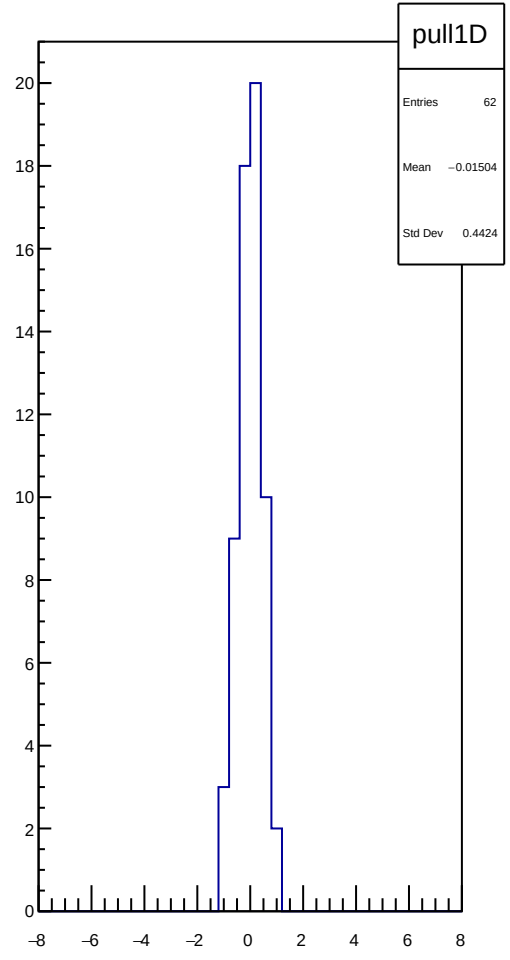

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.05 / 61
p0 −230.4 ± 5.35
pull
Entries 62
Mean 109.3
Std Dev 71.74

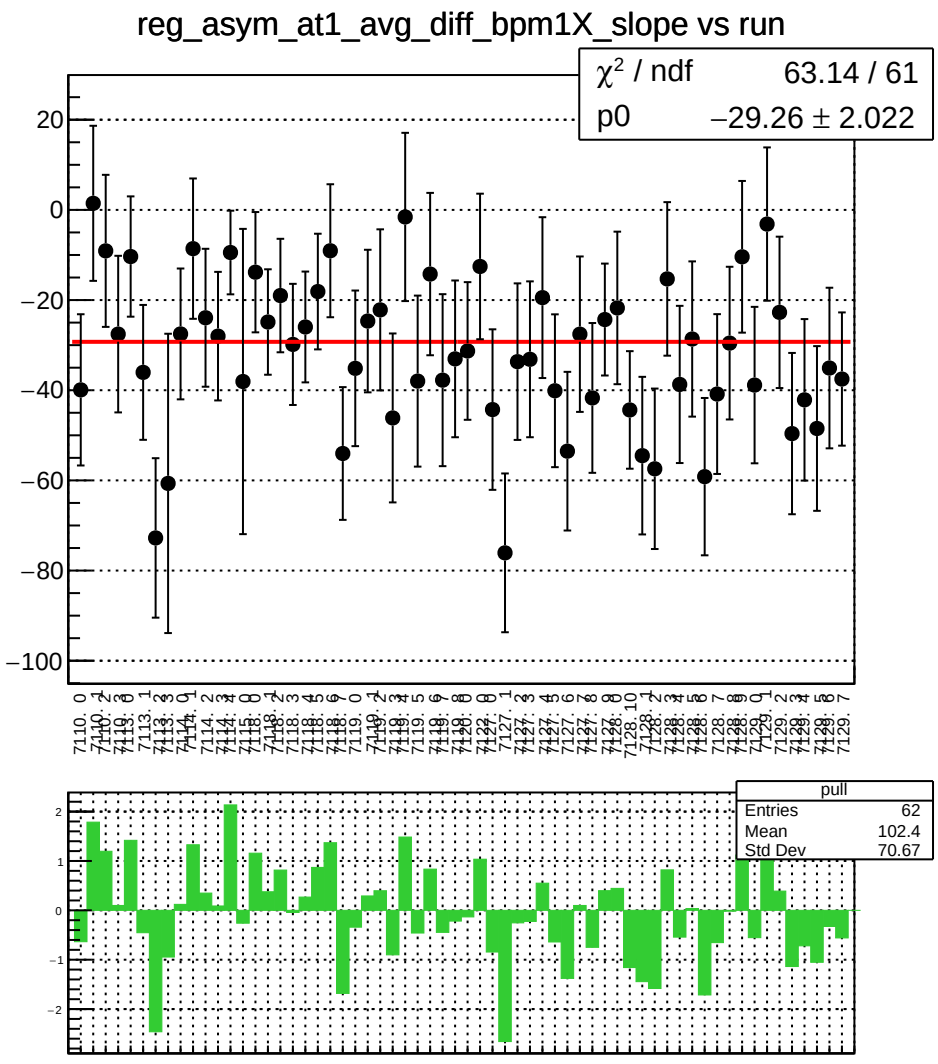

pull1D
Entries 62
Mean −0.08587
Std Dev 1.029

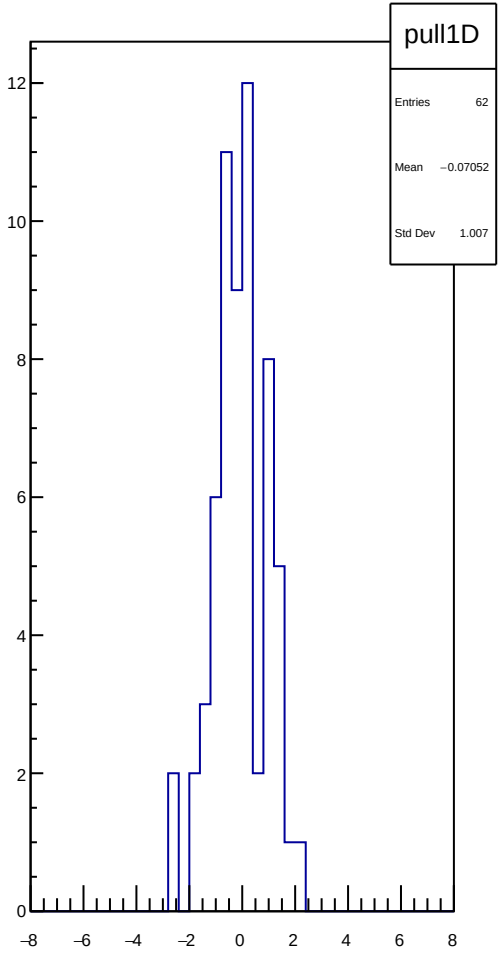

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.37 / 61
p0 −95.77 ± 4.829
pull
Entries 62
Mean −274
Std Dev 306

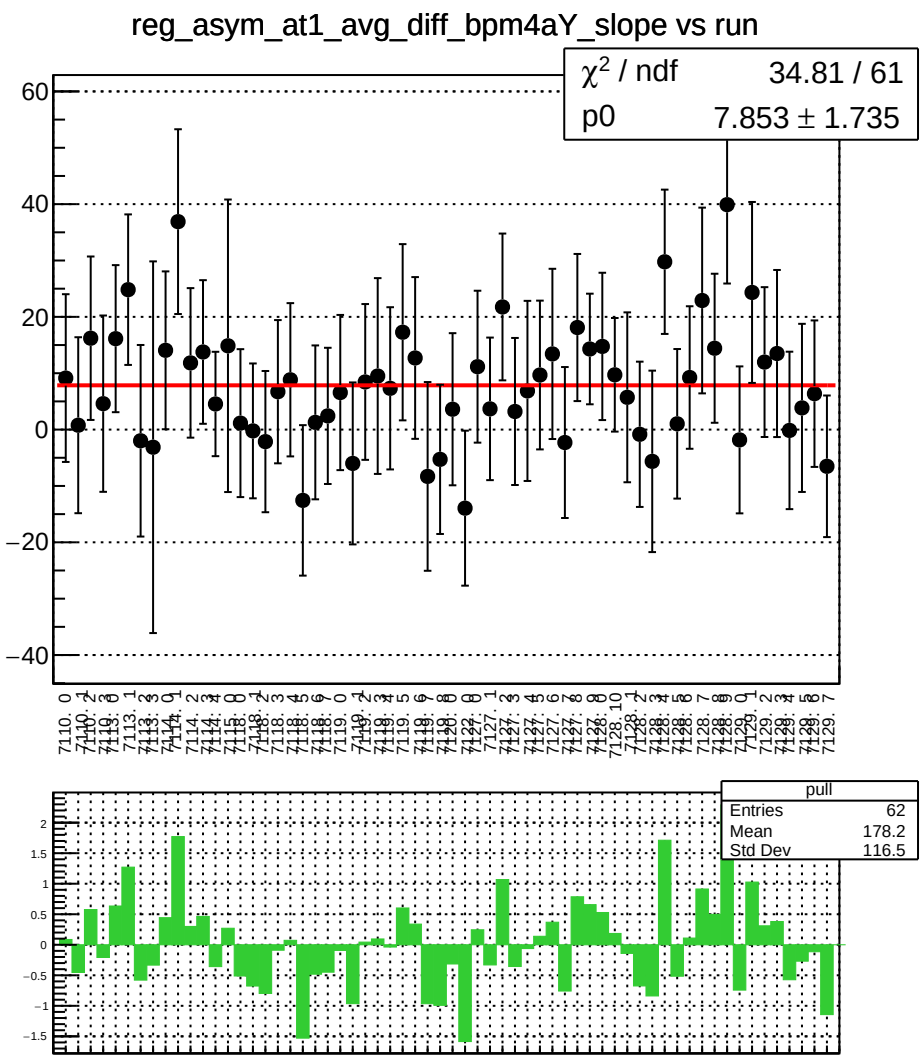

pull1D
Entries 62
Mean −0.01949
Std Dev 0.6762

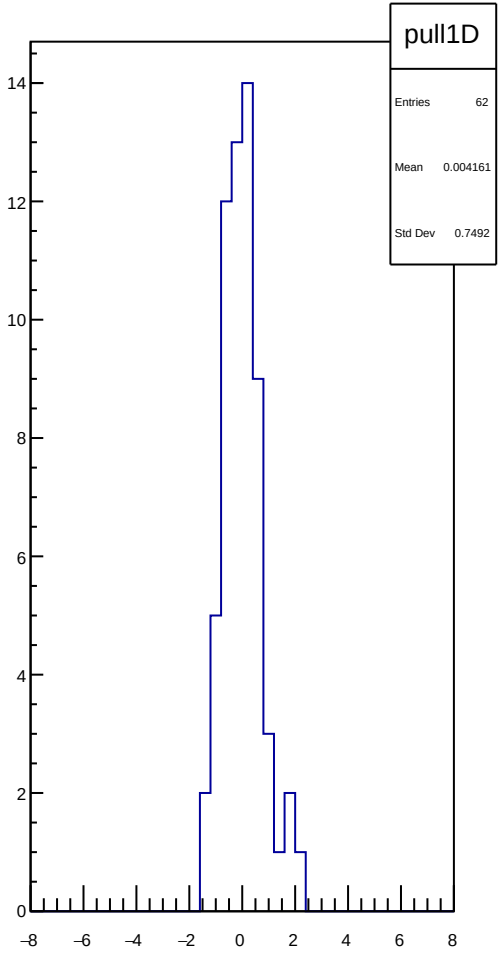

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 12.15 / 61
p0 120.4 ± 0.2208
124
122
120
118
116
pull
Entries 62
Mean 50.28
Std Dev 36.31
1
0.5
0
−0.5
−1

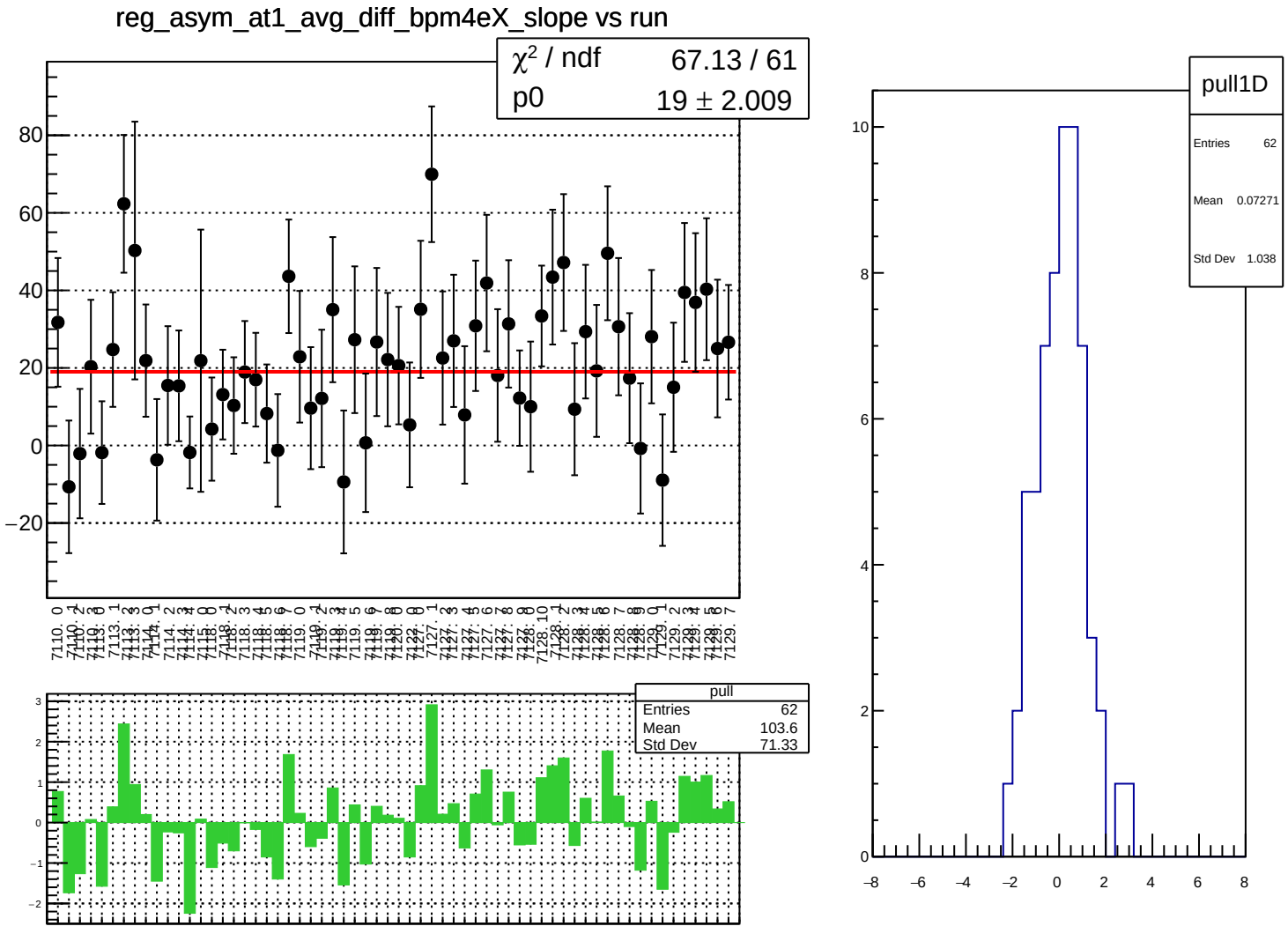

pull1D
Entries 62
Mean −0.01504
Std Dev 0.4424
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

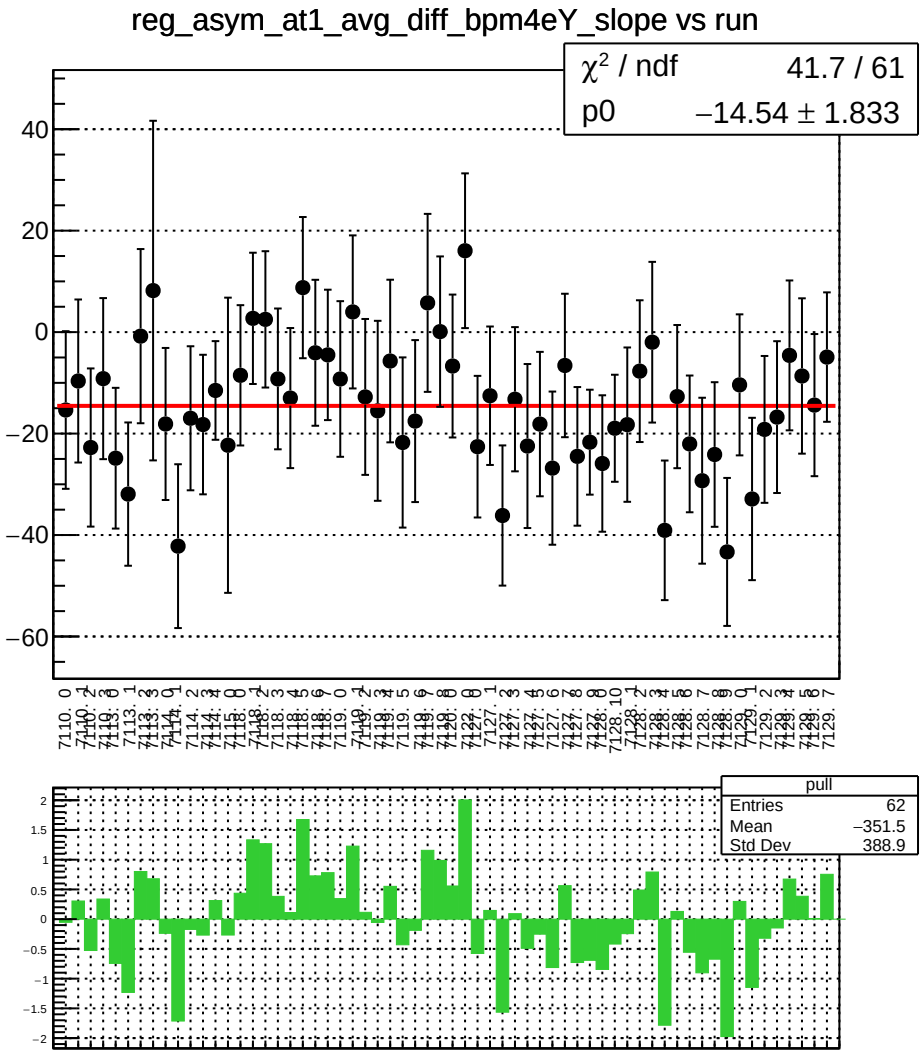

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 63.14 / 61
p0 −29.26 ± 2.022
pull
Entries 62
Mean 102.4
Std Dev 70.67

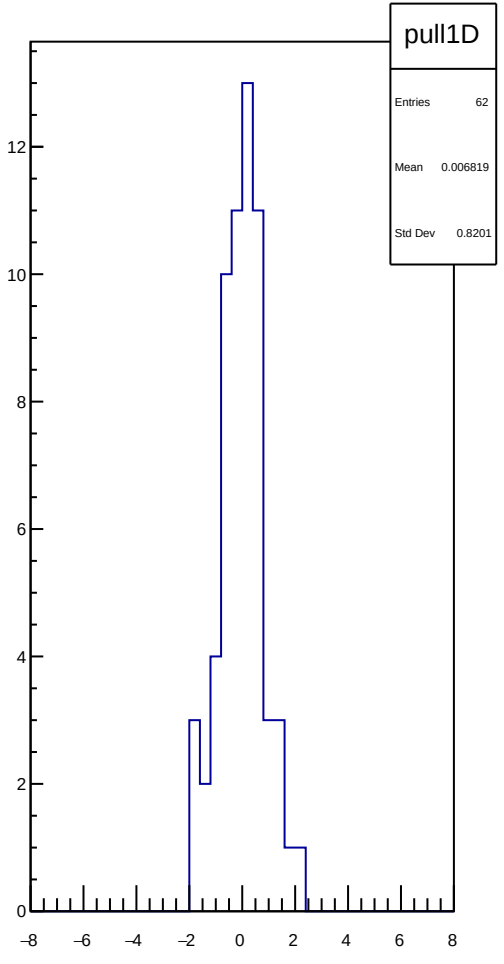

pull1D
Entries 62
Mean −0.07052
Std Dev 1.007

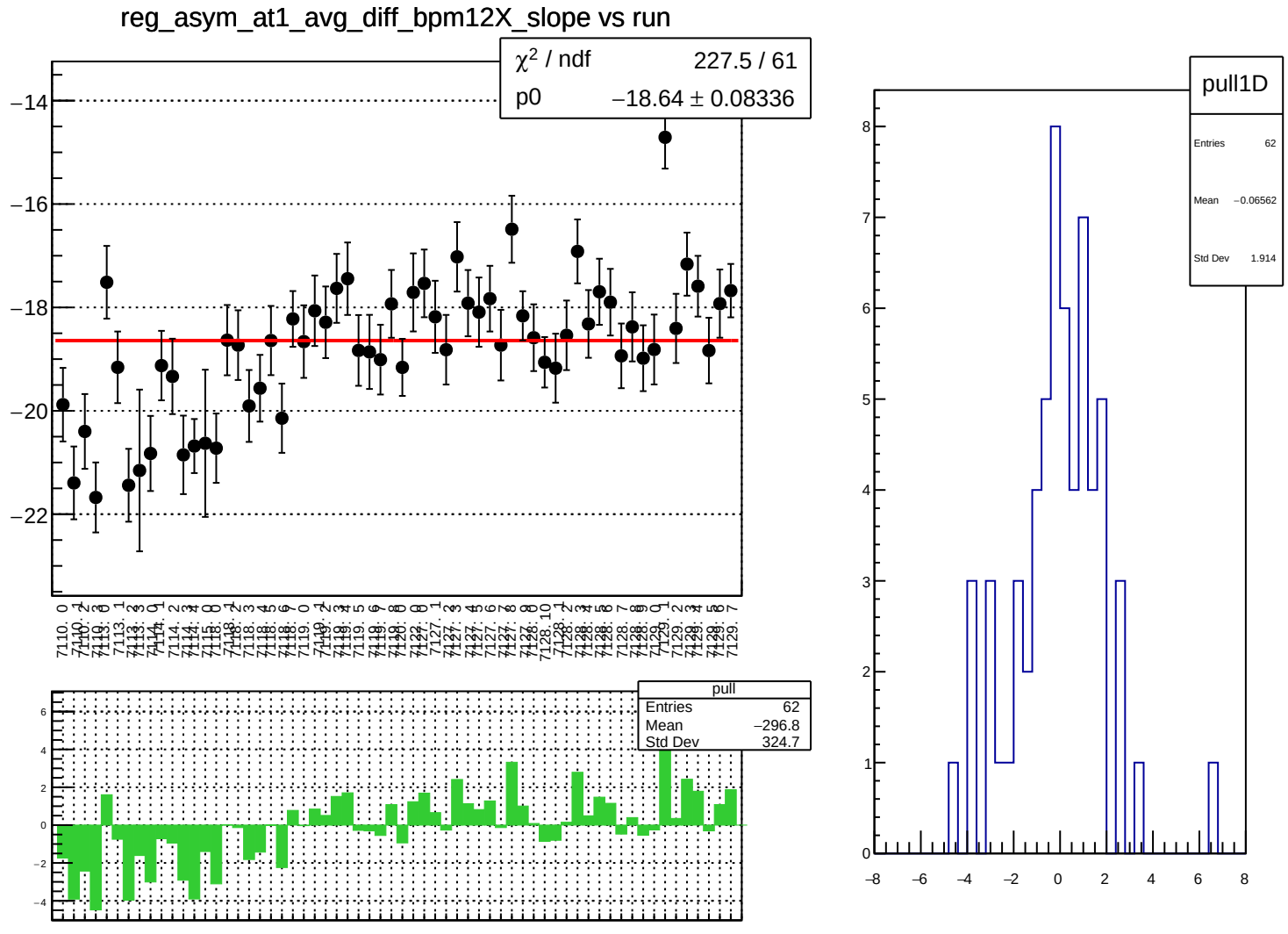

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.81 / 61
p0 7.853 ± 1.735
pull
Entries 62
Mean 178.2
Std Dev 116.5

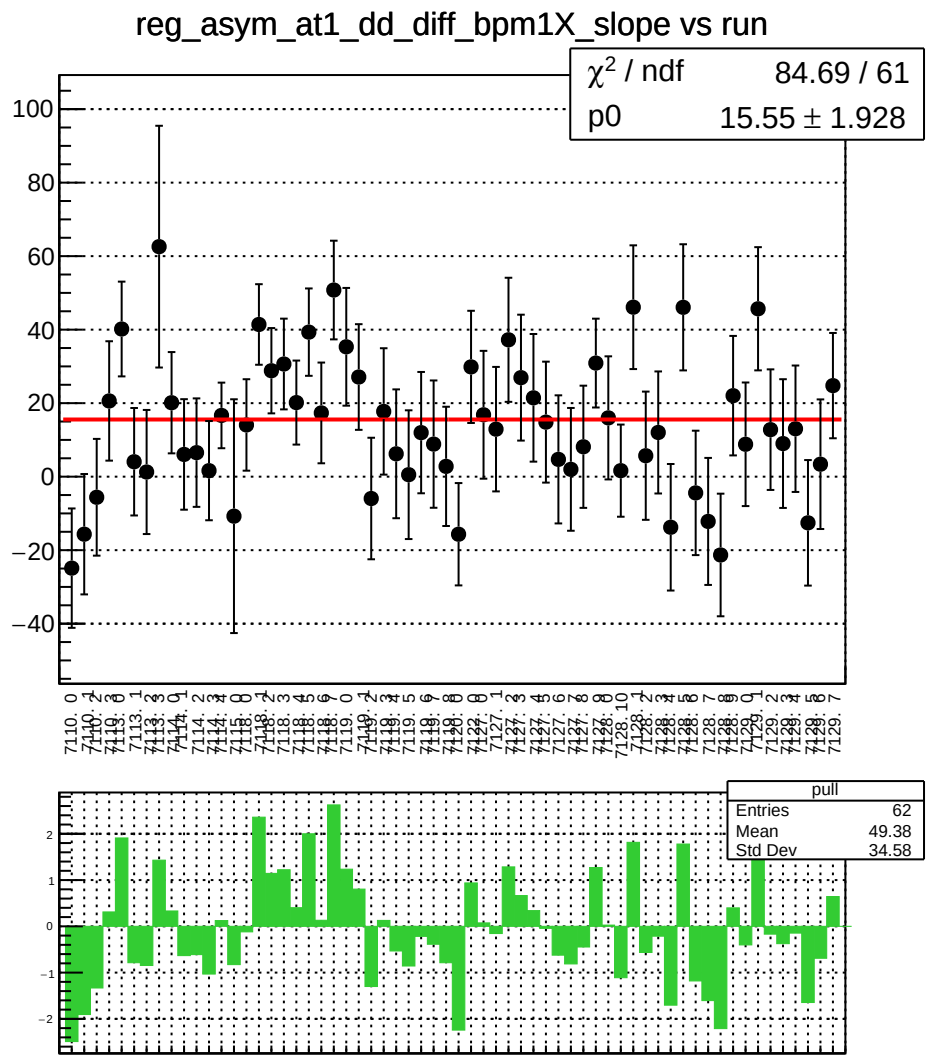

pull1D
Entries 62
Mean 0.004161
Std Dev 0.7492

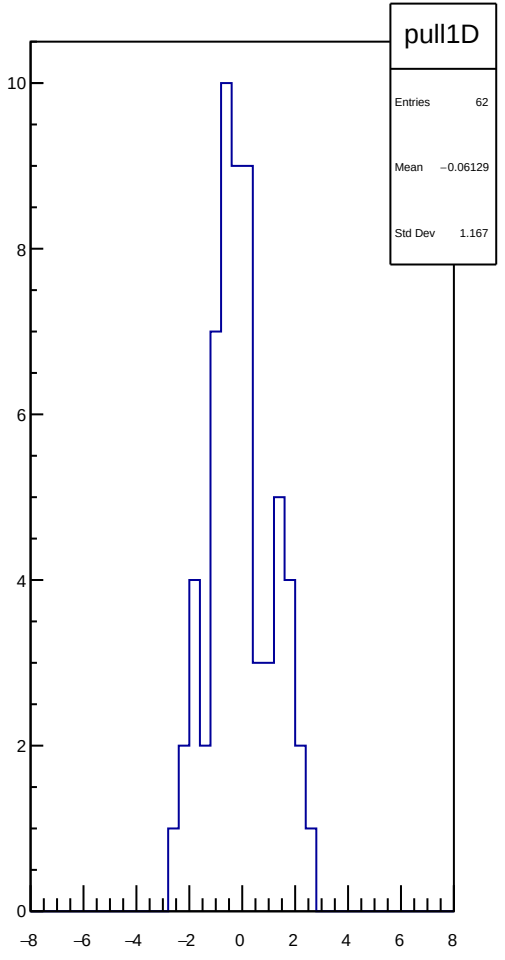

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.13 / 61
p0 19 ± 2.009
pull
Entries 62
Mean 103.6
Std Dev 71.33
pull1D
Entries 62
Mean 0.07271
Std Dev 1.038

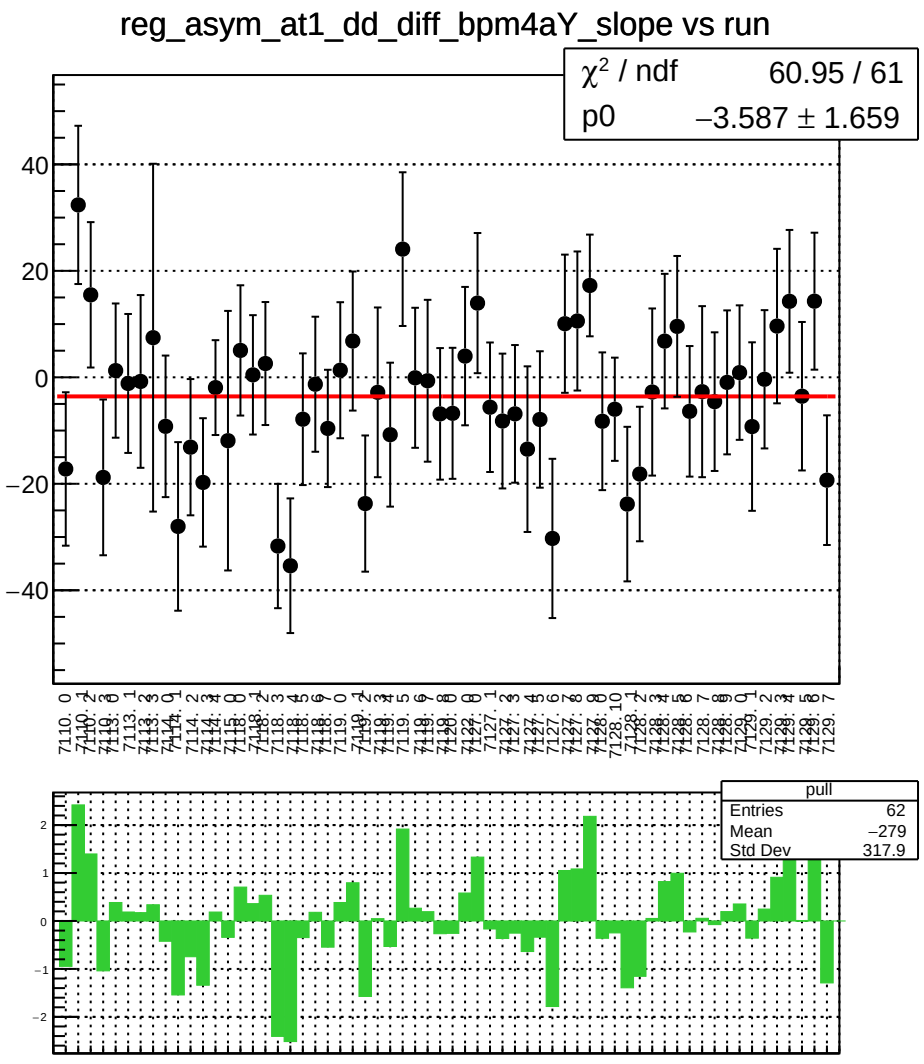

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.7 / 61
p0 −14.54 ± 1.833
pull
Entries 62
Mean −351.5
Std Dev 388.9

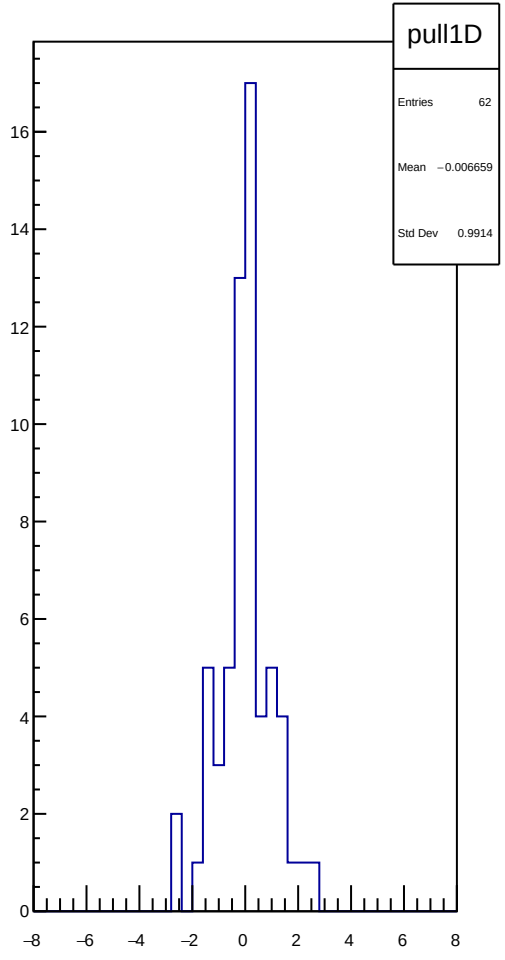

pull1D
Entries 62
Mean 0.006819
Std Dev 0.8201

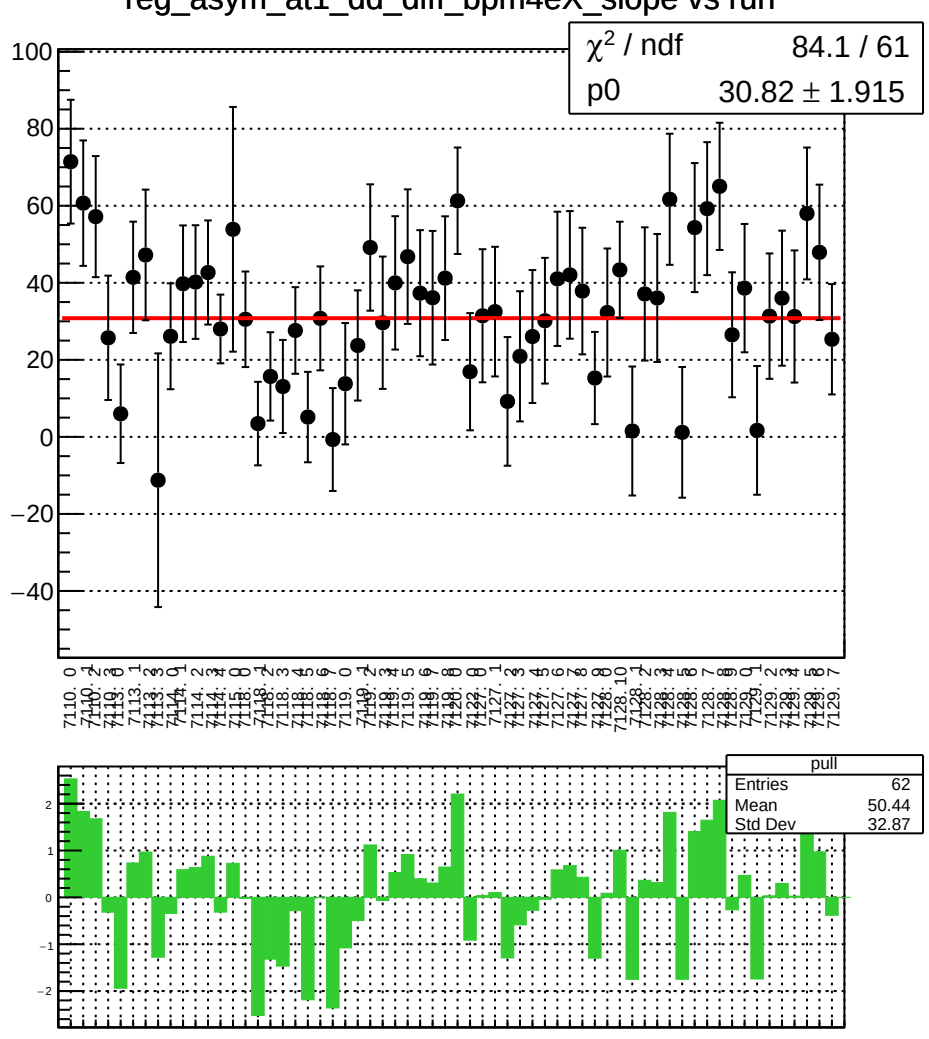

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 227.5 / 61
p0 −18.64 ± 0.08336
pull
Entries 62
Mean −296.8
Std Dev 324.7
pull1D
Entries 62
Mean −0.06562
Std Dev 1.914

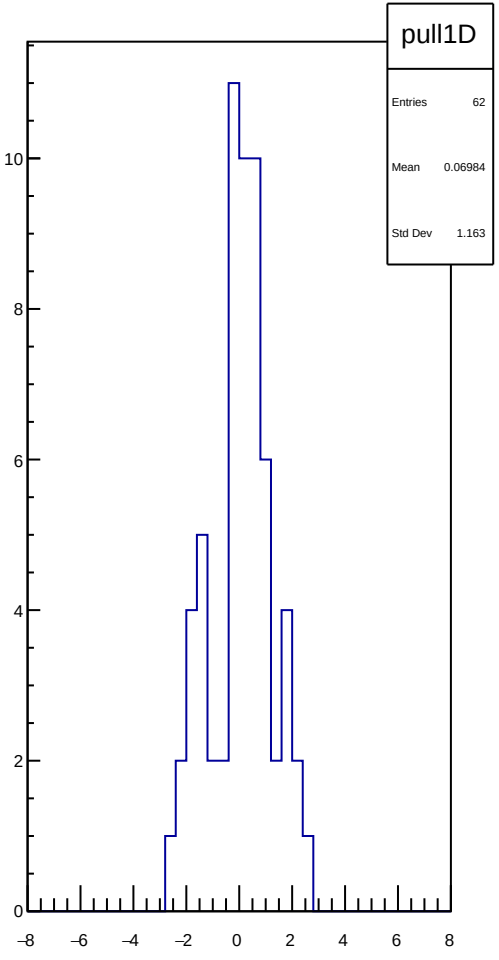

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 84.69 / 61
p0 15.55 ± 1.928
pull
Entries 62
Mean 49.38
Std Dev 34.58

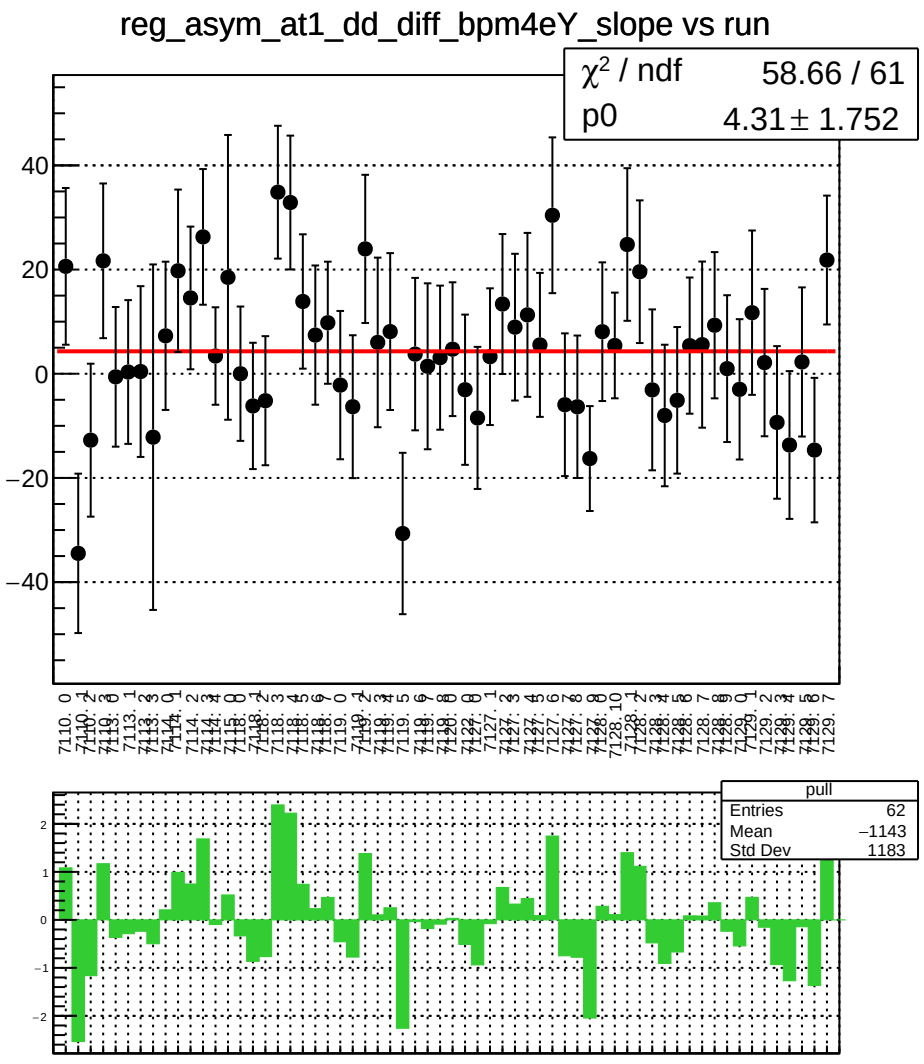

pull1D
Entries 62
Mean −0.06129
Std Dev 1.167

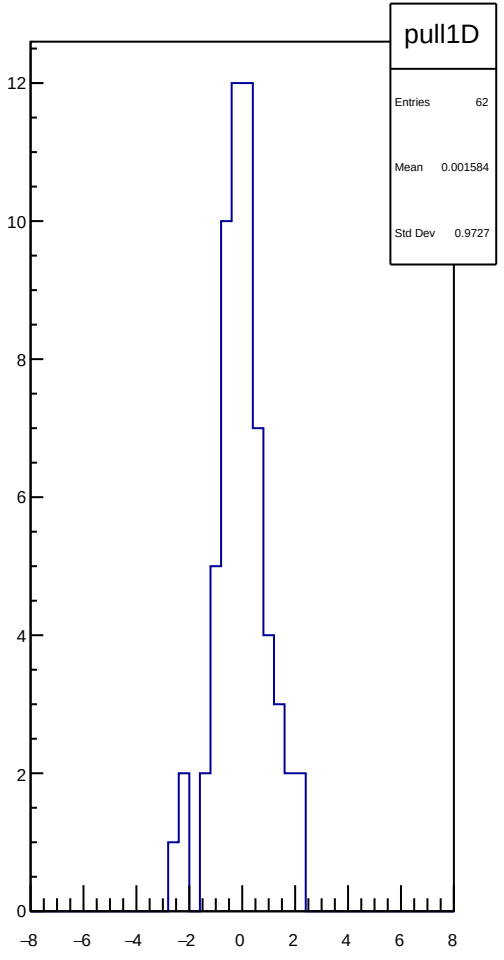

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.95 / 61
p0 −3.587 ± 1.659
40
20
0
−20
−40
pull
Entries 62
Mean −279
Std Dev 317.9
2
1
0
−1
−2

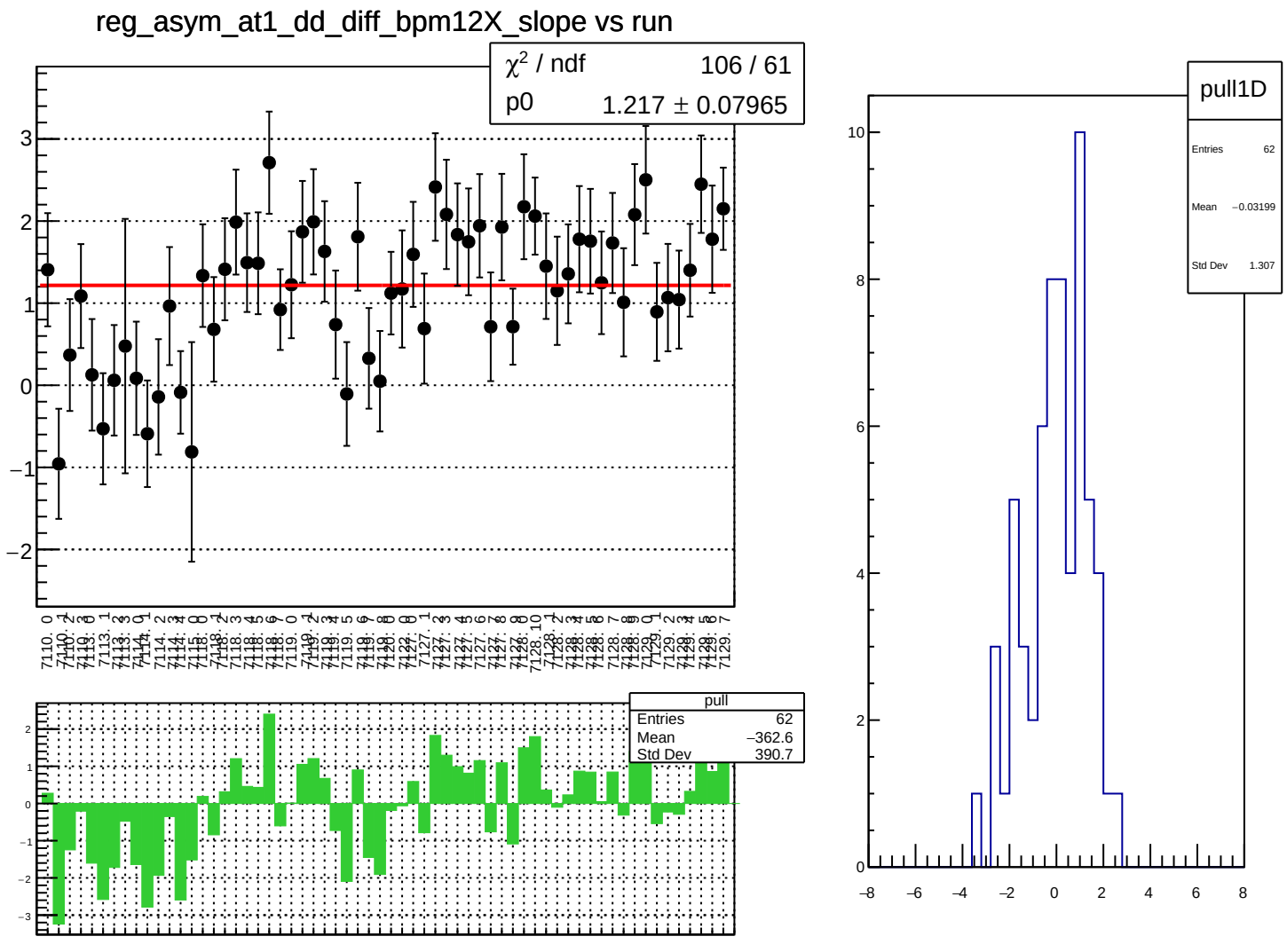

pull1D
Entries 62
Mean −0.006659
Std Dev 0.9914
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

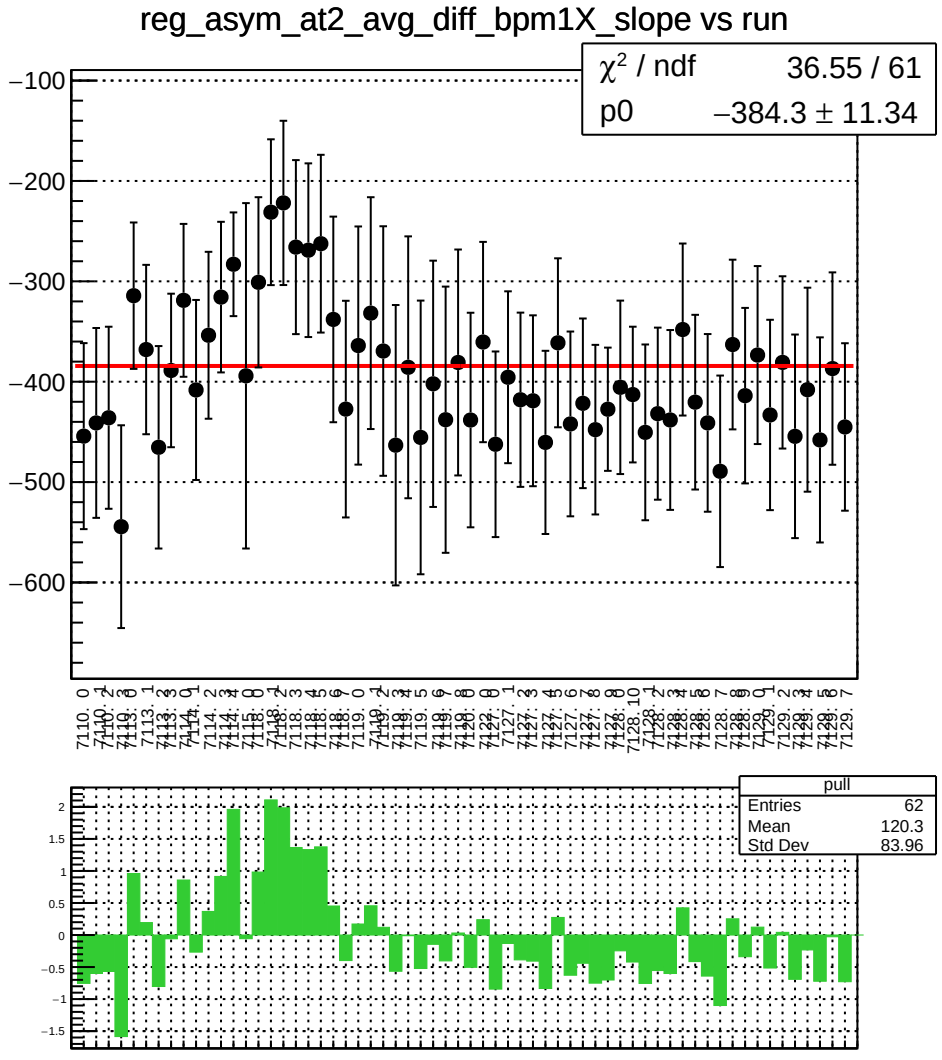

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 84.1 / 61
p0 30.82 ± 1.915
pull
Entries 62
Mean 50.44
Std Dev 32.87

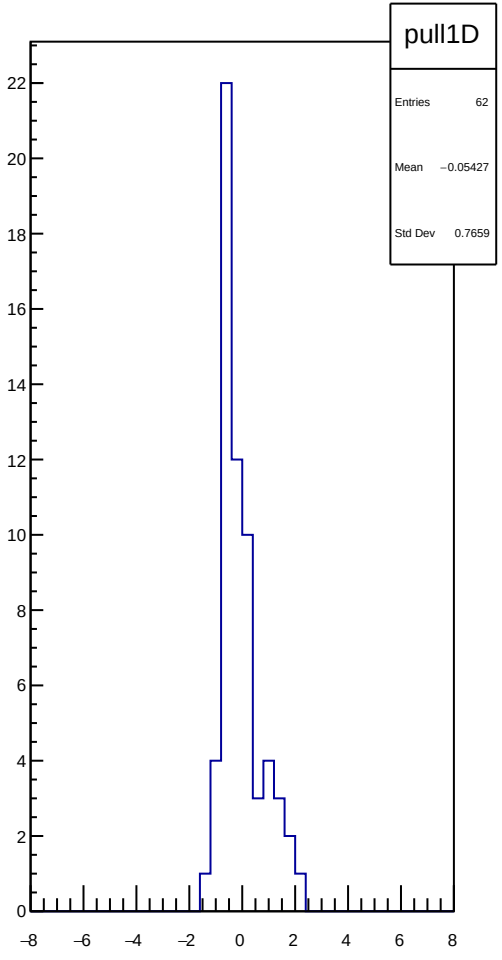

pull1D
Entries 62
Mean 0.06984
Std Dev 1.163

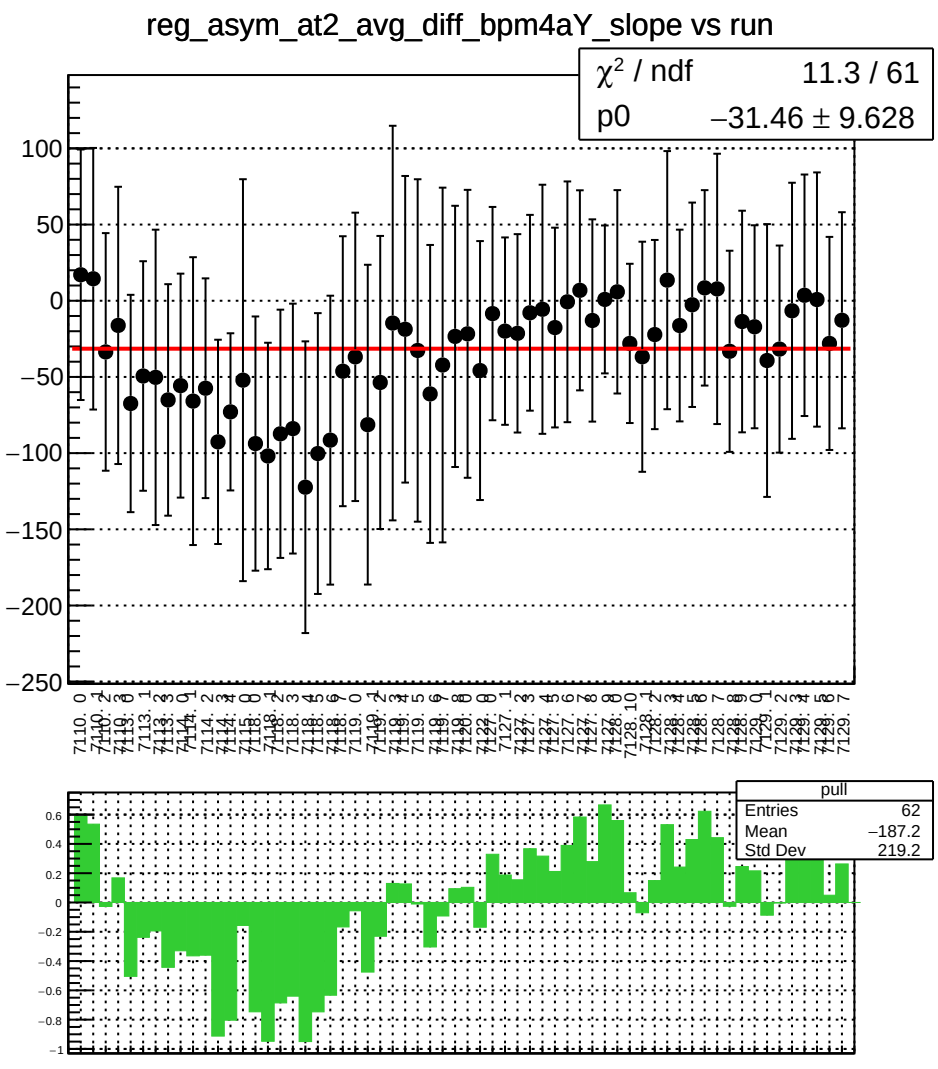

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.66 / 61
p0 4.31 ± 1.752
pull
Entries 62
Mean −1143
Std Dev 1183

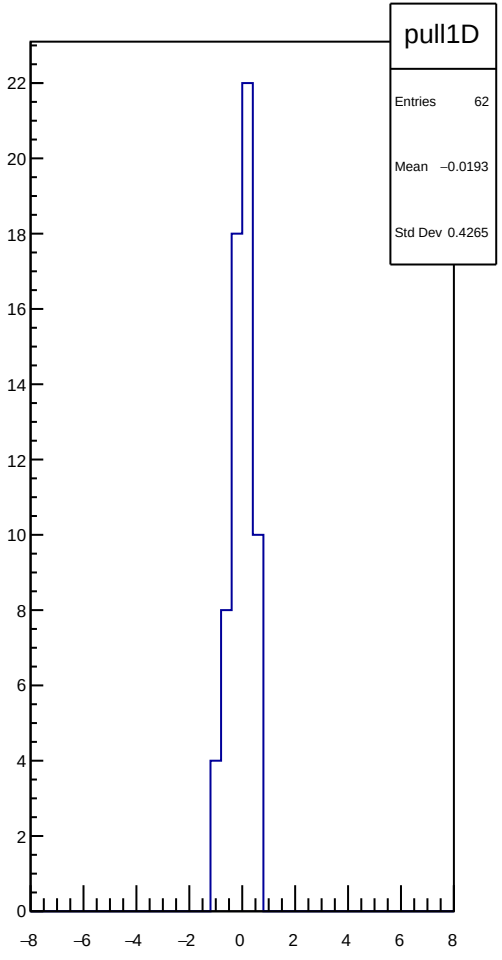

pull1D
Entries 62
Mean 0.001584
Std Dev 0.9727

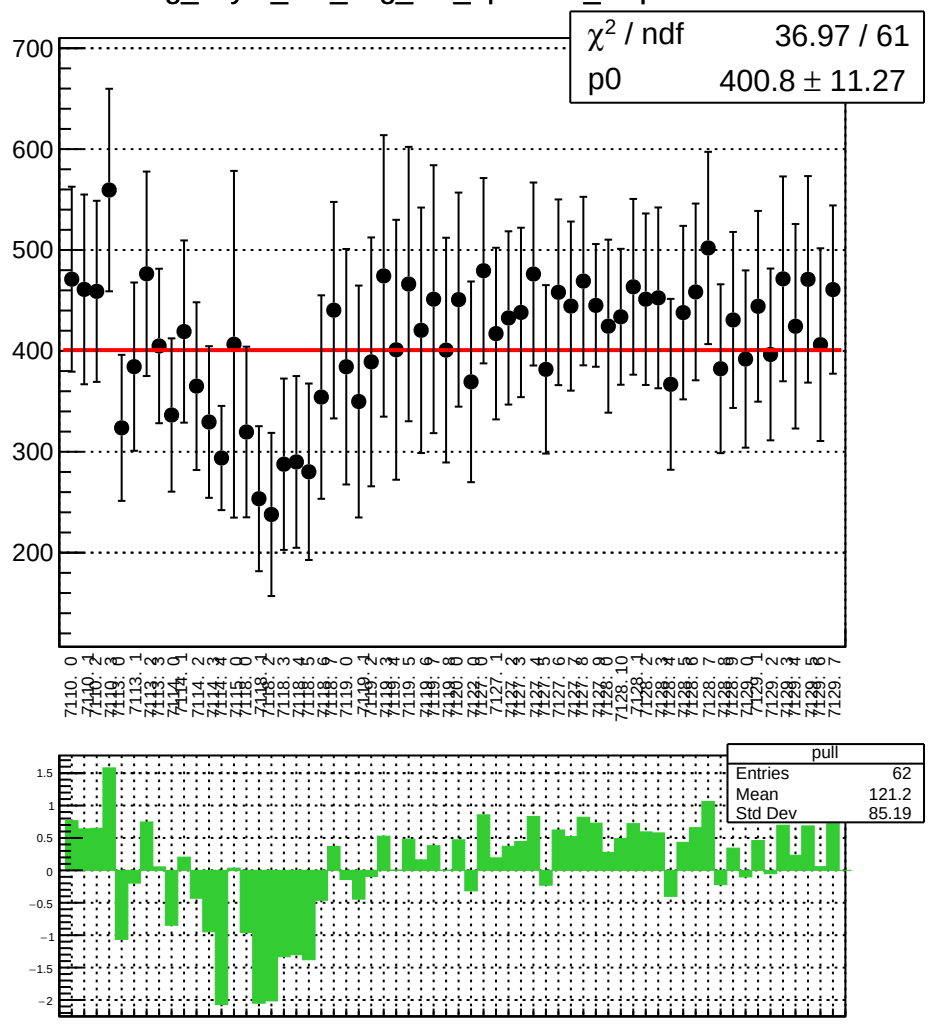

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 106 / 61
p0 1.217 ± 0.07965
pull
Entries 62
Mean −362.6
Std Dev 390.7
pull1D
Entries 62
Mean −0.03199
Std Dev 1.307

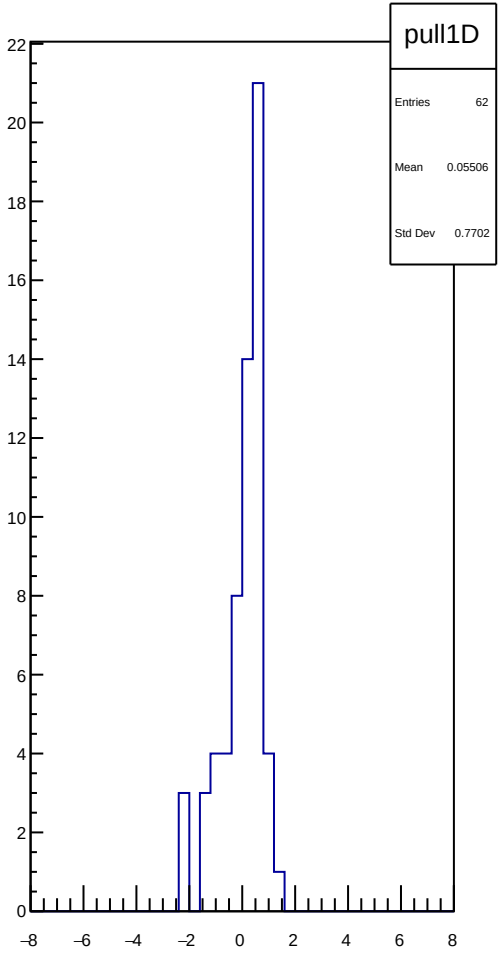

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 36.55 / 61
p0 −384.3 ± 11.34
pull
Entries 62
Mean 120.3
Std Dev 83.96

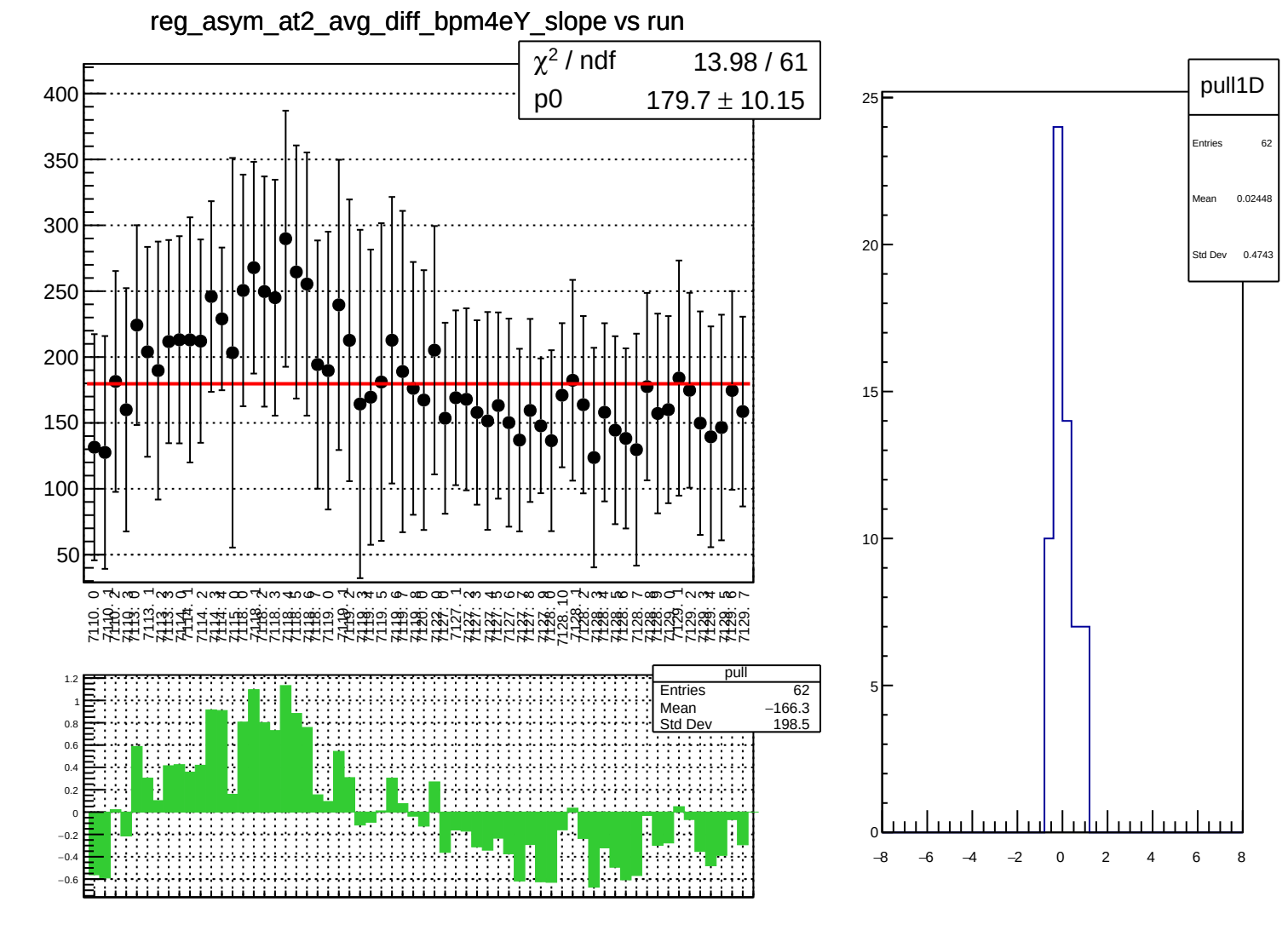

pull1D
Entries 62
Mean −0.05427
Std Dev 0.7659

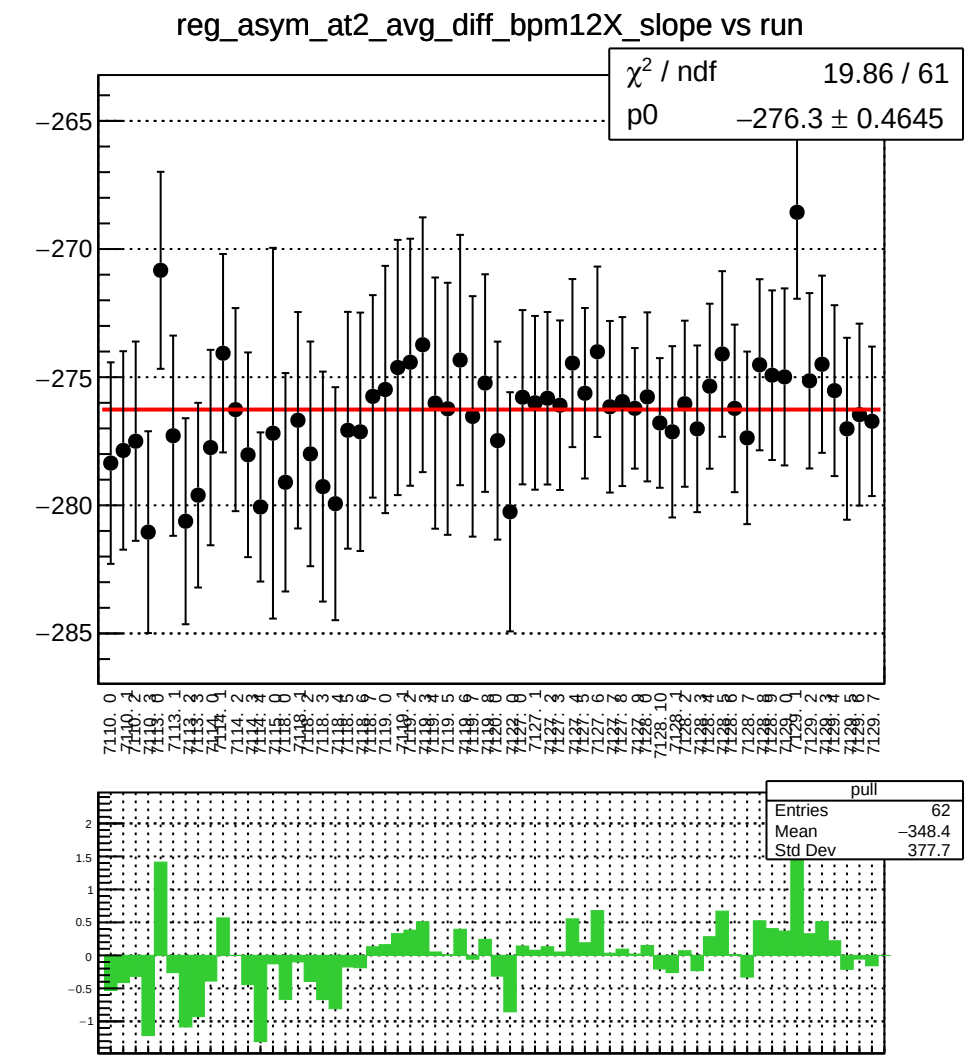

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.3 / 61
p0 −31.46 ± 9.628
pull
Entries 62
Mean −187.2
Std Dev 219.2

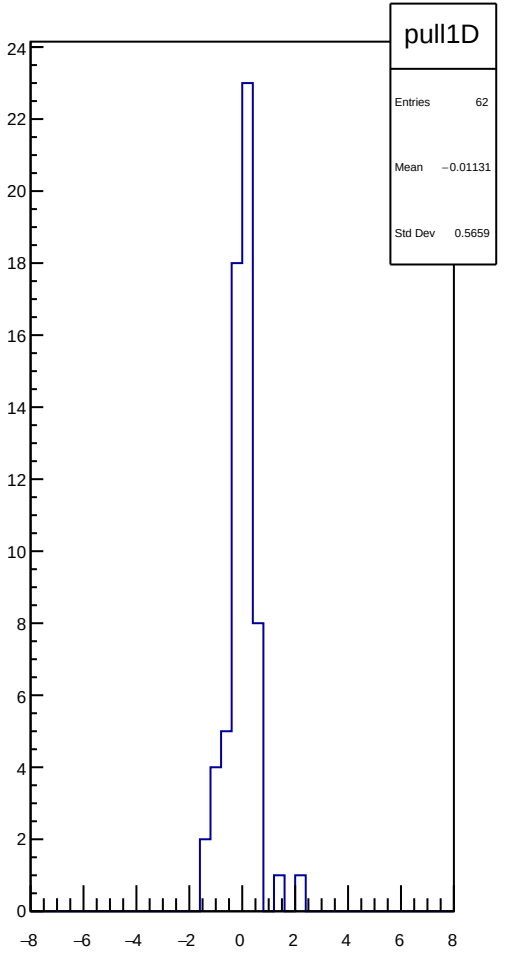

pull1D
Entries 62
Mean −0.0193
Std Dev 0.4265

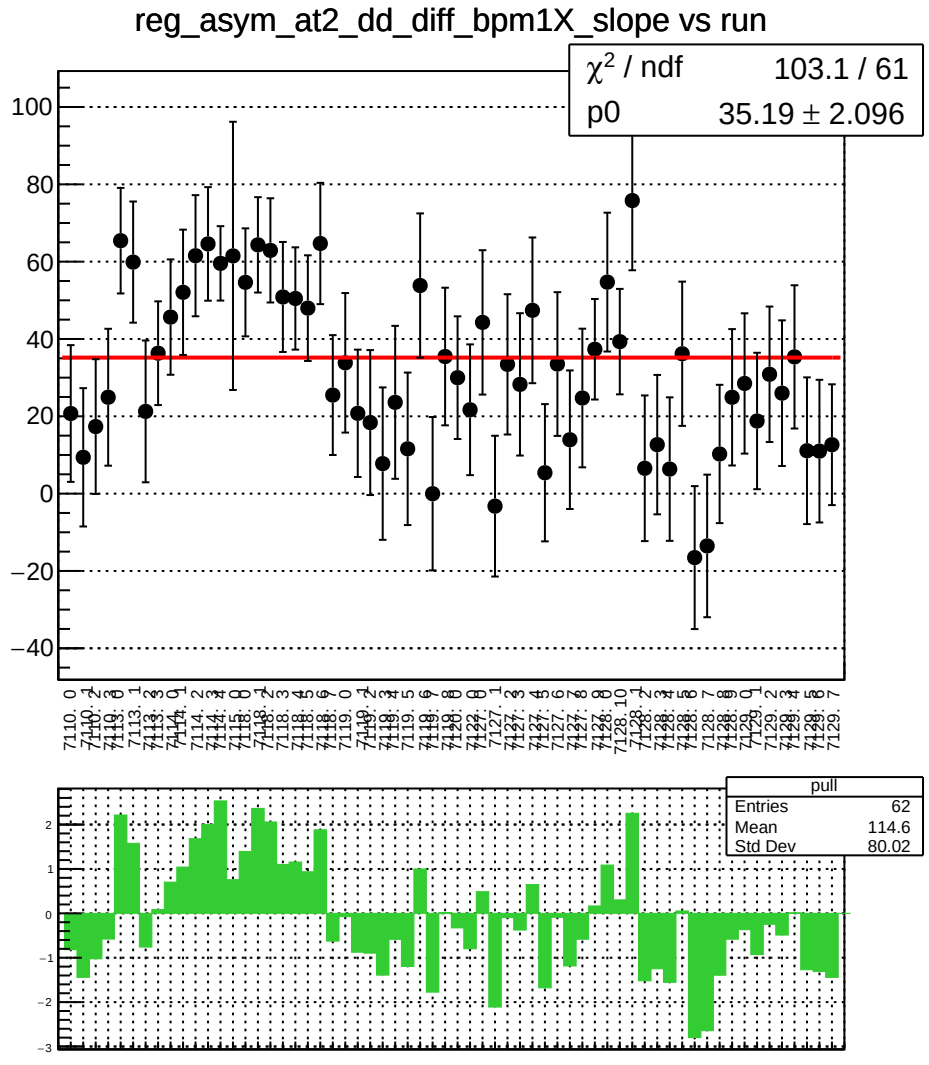

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.97 / 61
p0 400.8 ± 11.27
pull
Entries 62
Mean 121.2
Std Dev 85.19

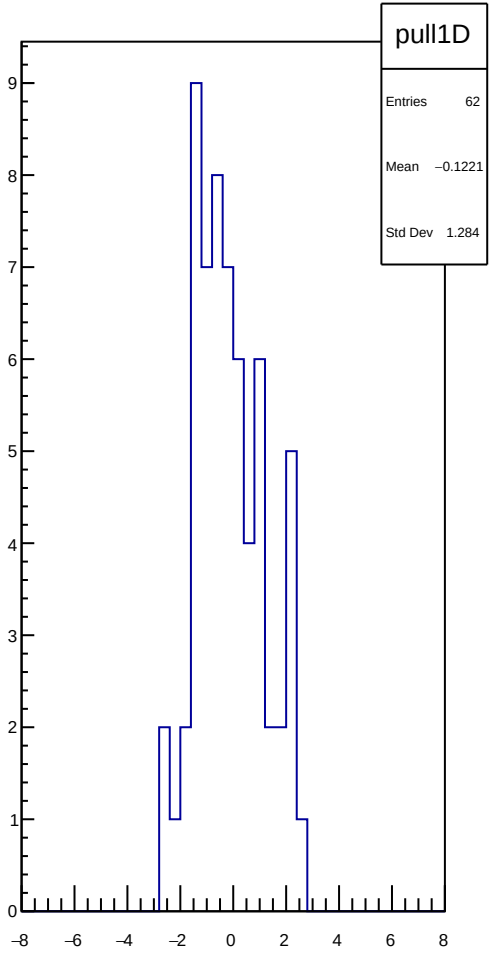

pull1D
Entries 62
Mean 0.05506
Std Dev 0.7702

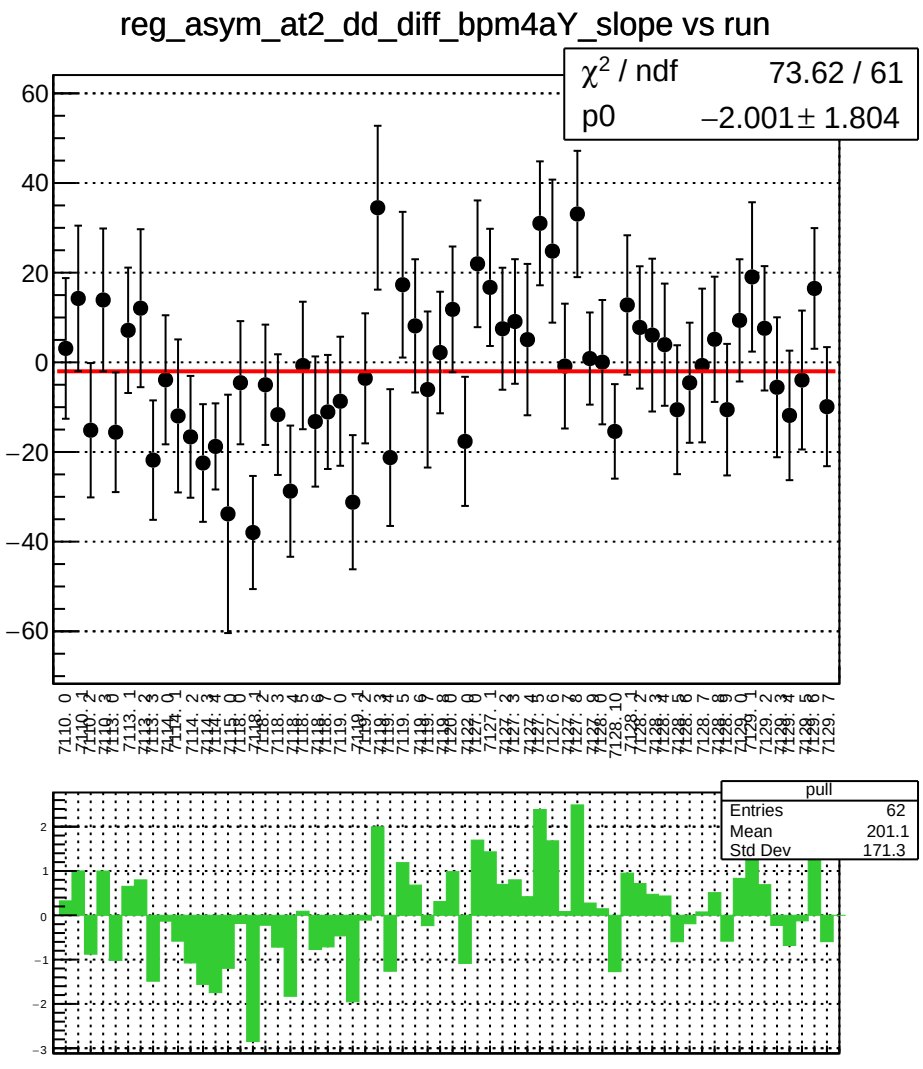

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.98 / 61
p0 179.7 ± 10.15
pull
Entries 62
Mean −166.3
Std Dev 198.5
pull1D
Entries 62
Mean 0.02448
Std Dev 0.4743

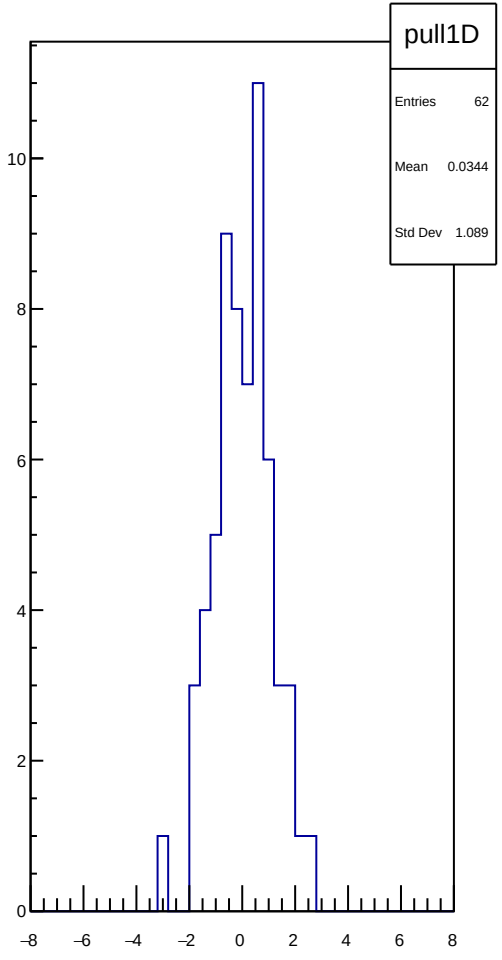

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 19.86 / 61
p0 −276.3 ± 0.4645
pull
Entries 62
Mean −348.4
Std Dev 377.7

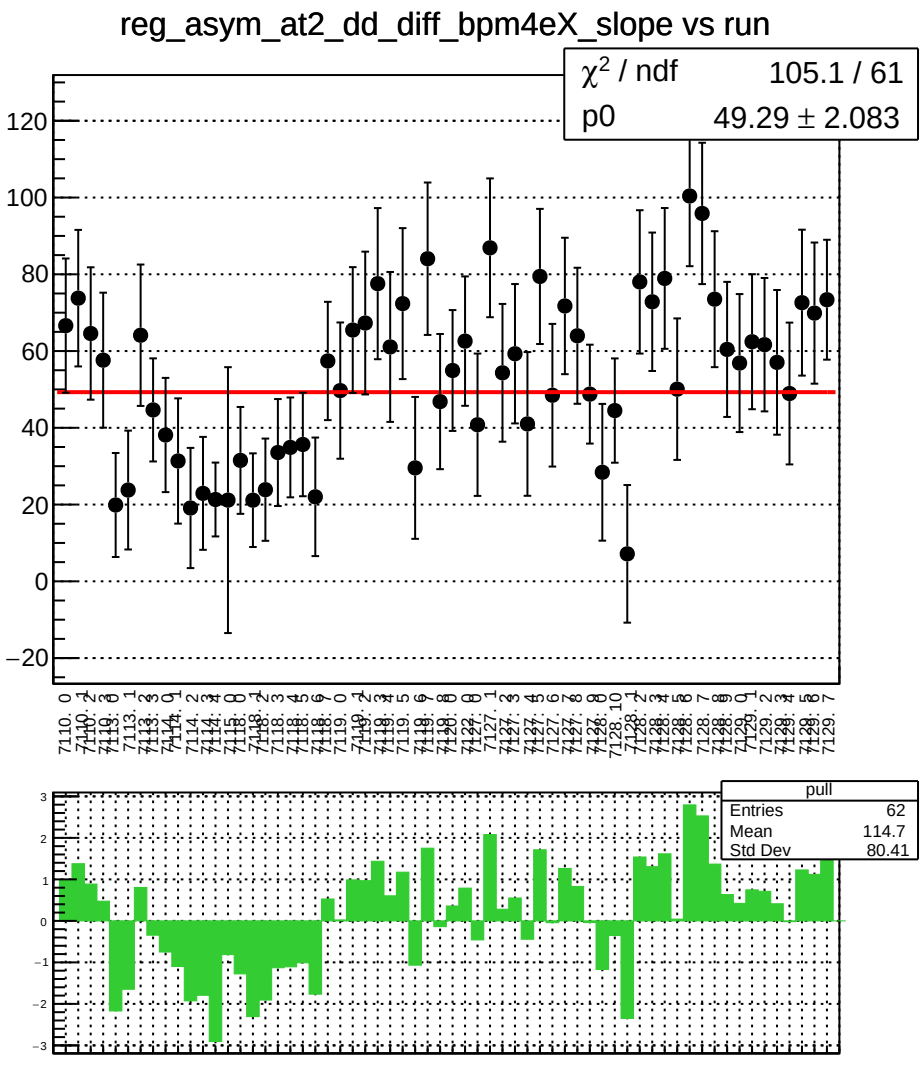

pull1D
Entries 62
Mean −0.01131
Std Dev 0.5659

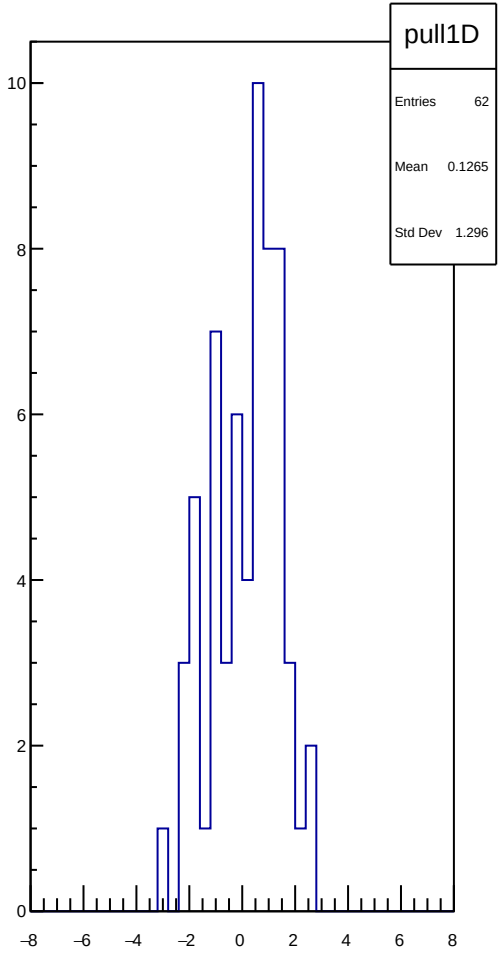

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 103.1 / 61
p0 35.19 ± 2.096
pull
Entries 62
Mean 114.6
Std Dev 80.02

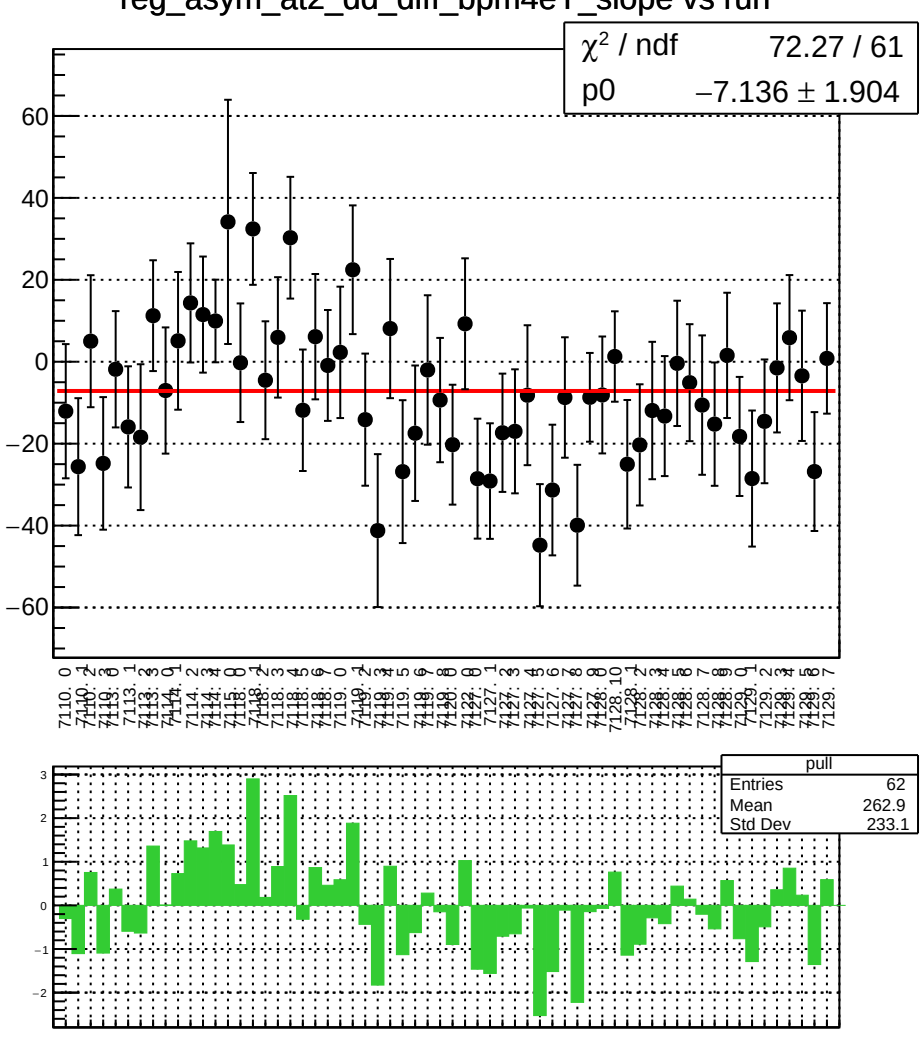

pull1D
Entries 62
Mean −0.1221
Std Dev 1.284

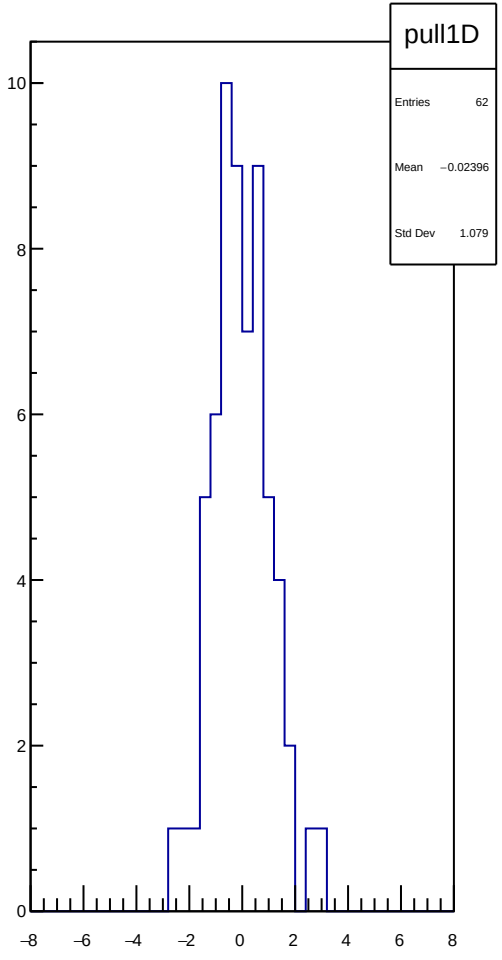

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 73.62 / 61
p0 −2.001± 1.804
pull
Entries 62
Mean 201.1
Std Dev 171.3

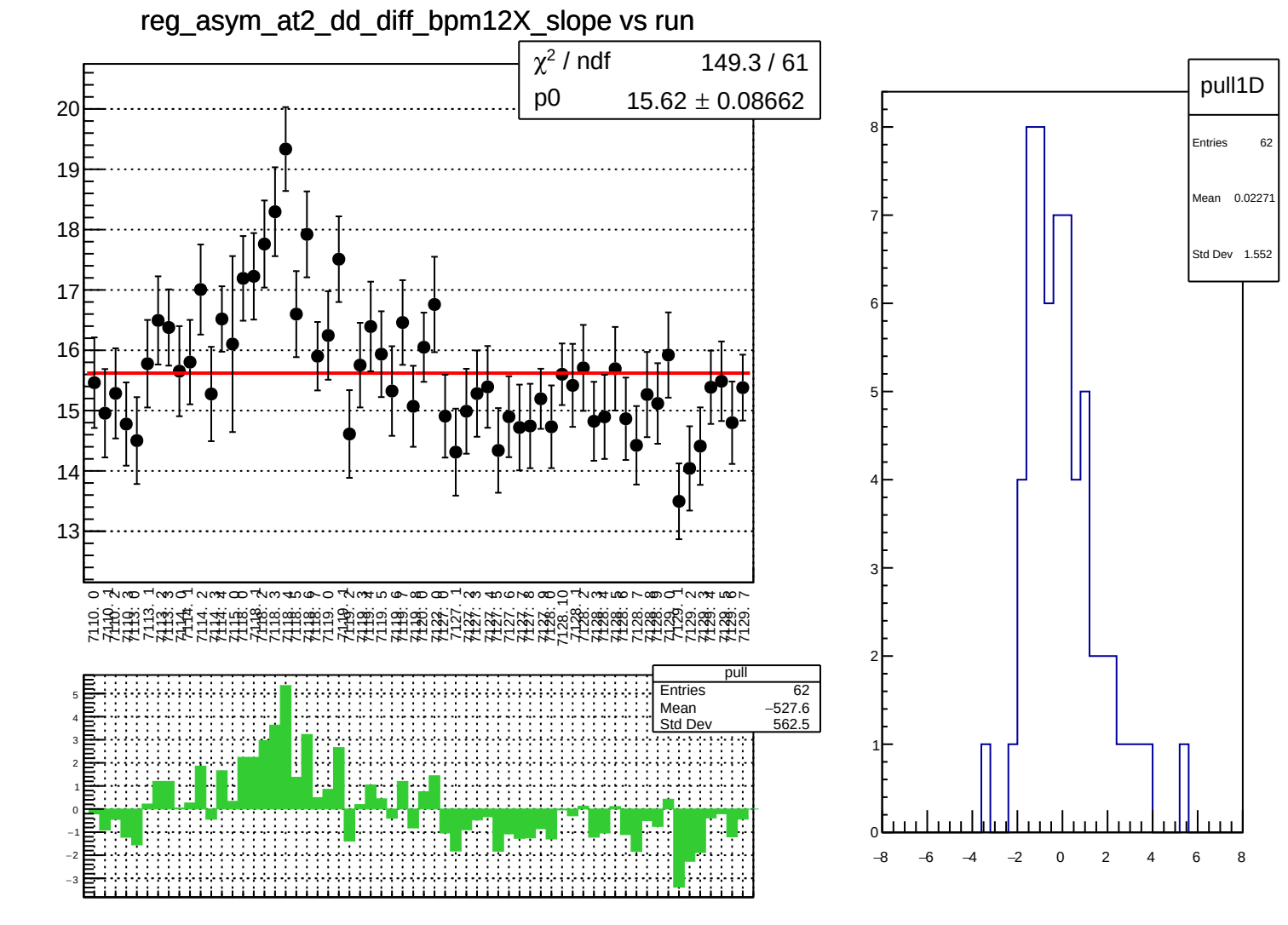

pull1D
Entries 62
Mean 0.0344
Std Dev 1.089

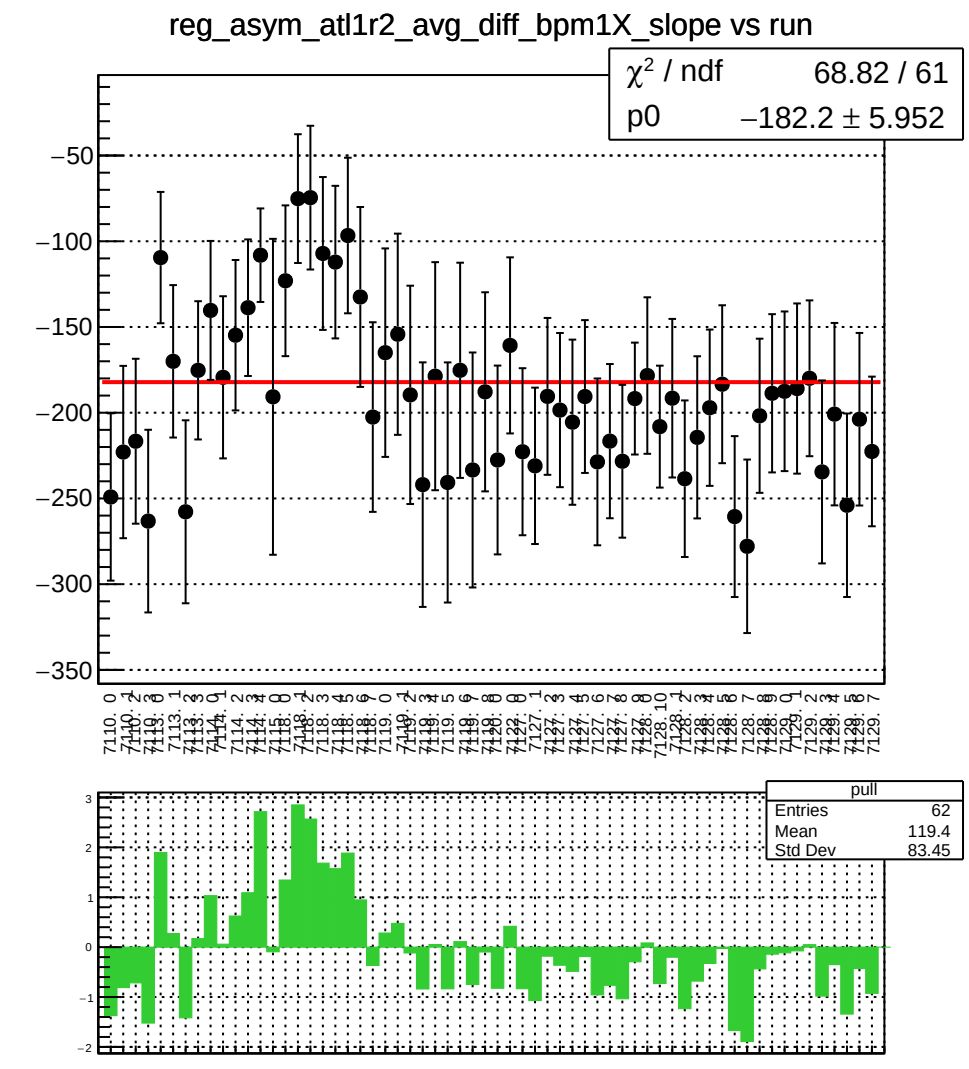

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 105.1 / 61
p0 49.29 ± 2.083
pull
Entries 62
Mean 114.7
Std Dev 80.41

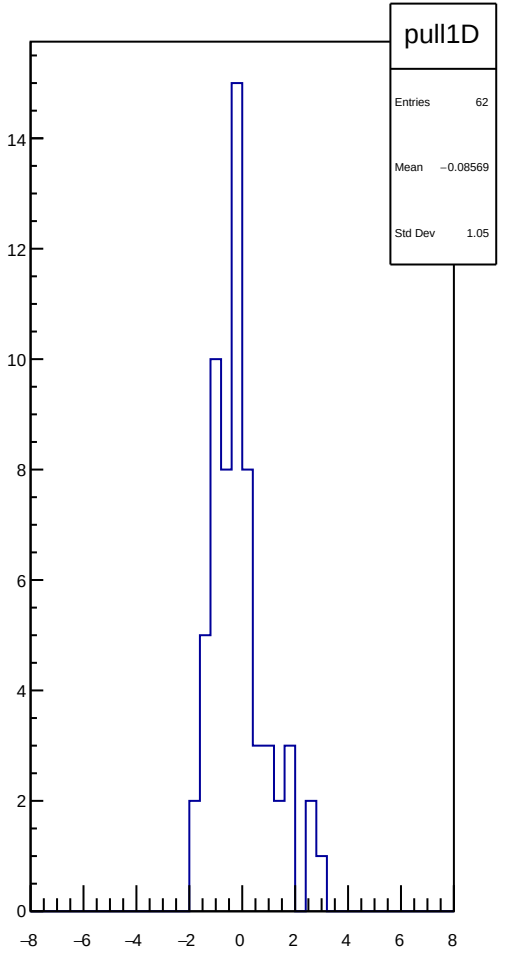

pull1D
Entries 62
Mean 0.1265
Std Dev 1.296

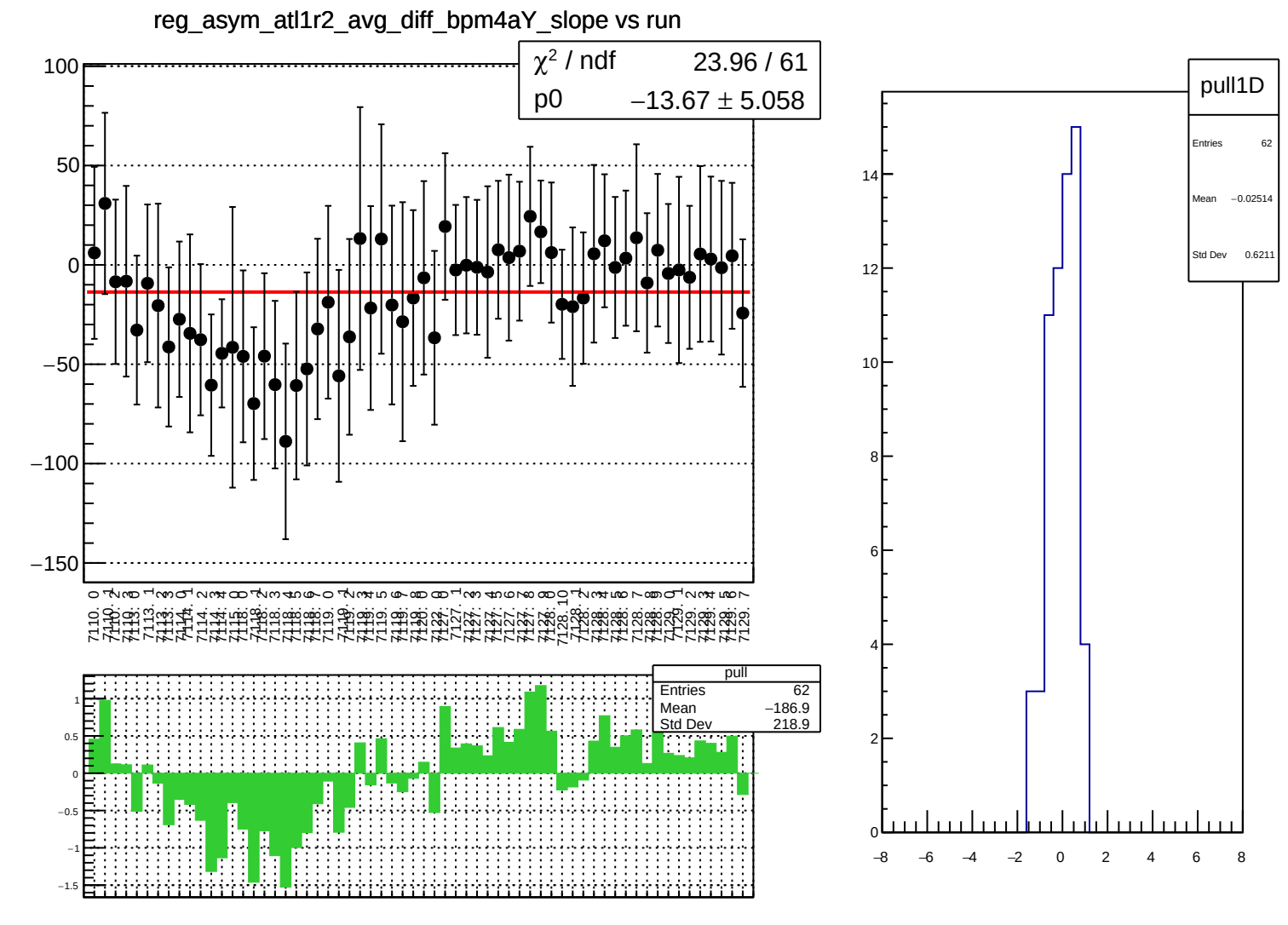

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.27 / 61
p0 −7.136 ± 1.904
pull
Entries 62
Mean 262.9
Std Dev 233.1

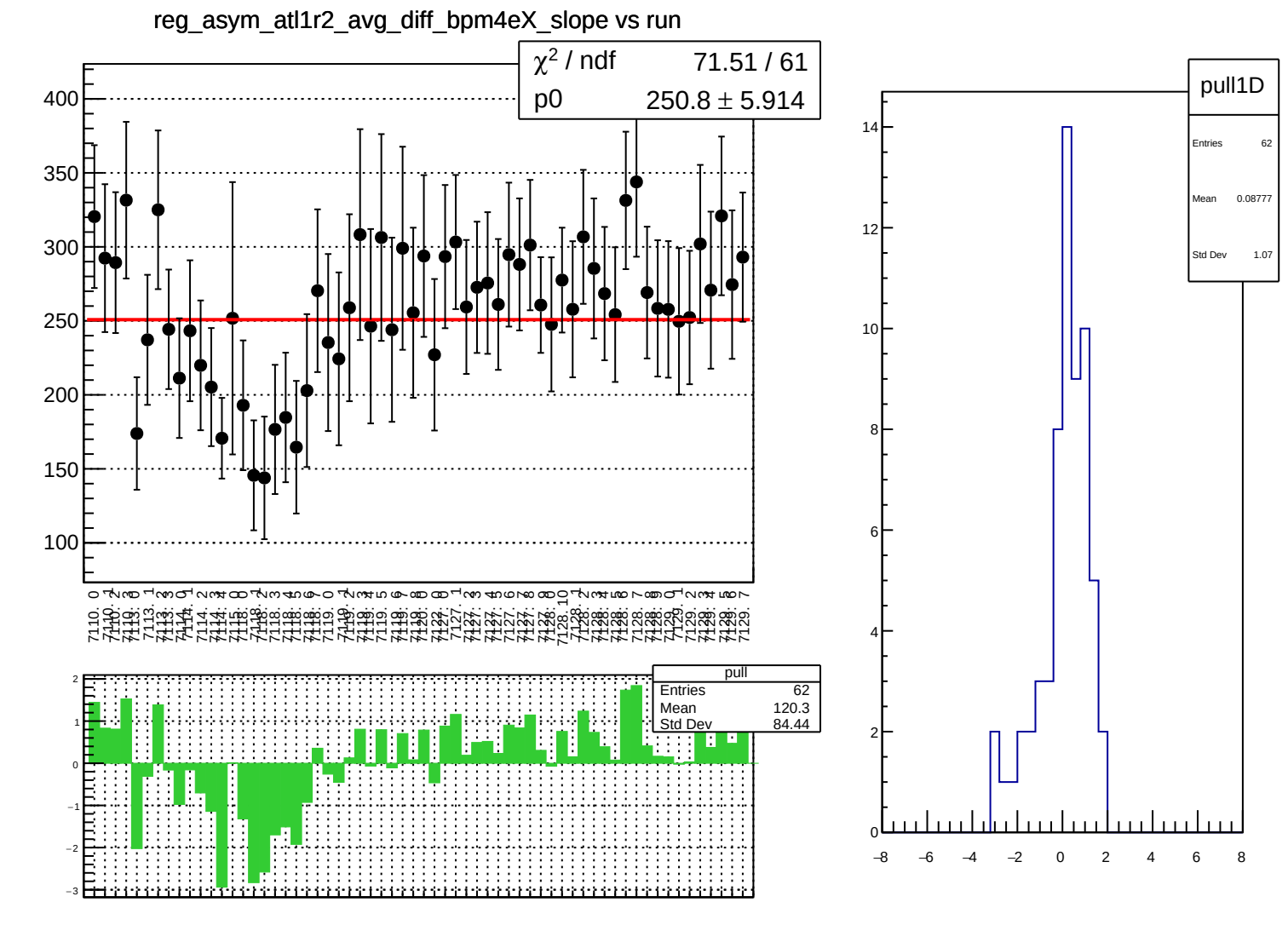

pull1D
Entries 62
Mean −0.02396
Std Dev 1.079

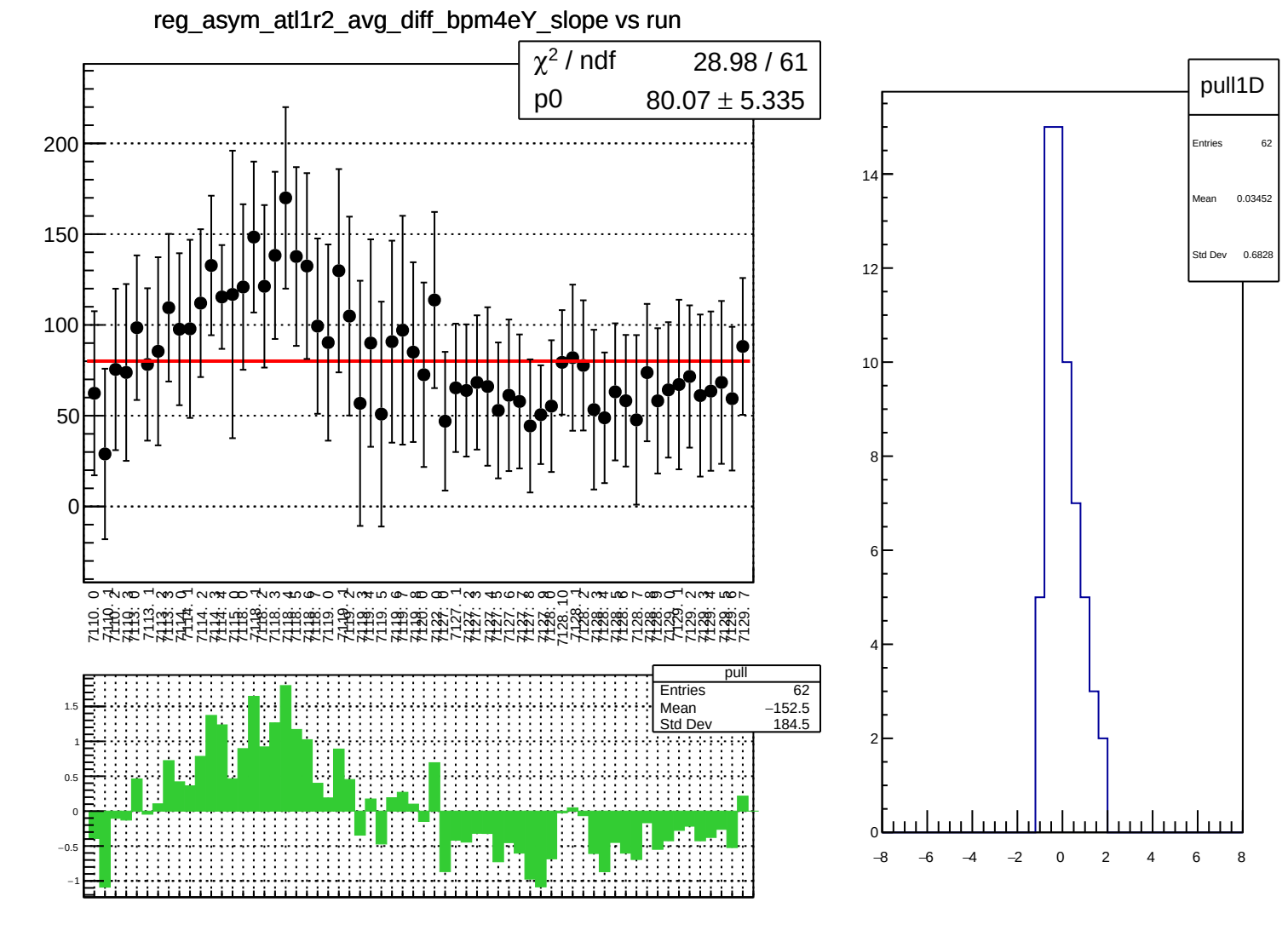

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 149.3 / 61
p0 15.62 ± 0.08662
pull
Entries 62
Mean −527.6
Std Dev 562.5
pull1D
Entries 62
Mean 0.02271
Std Dev 1.552

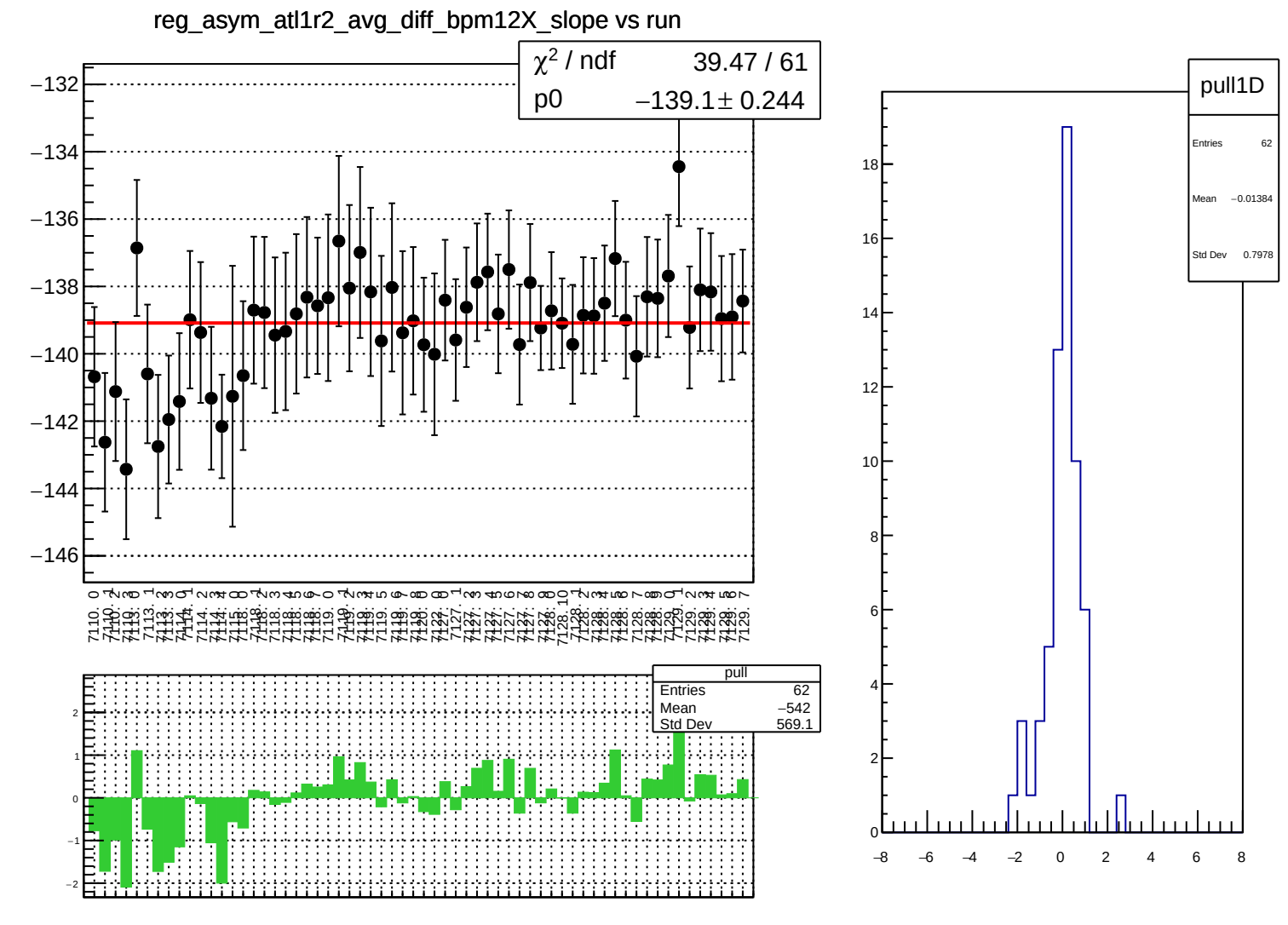

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 68.82 / 61
p0 −182.2 ± 5.952
pull
Entries 62
Mean 119.4
Std Dev 83.45

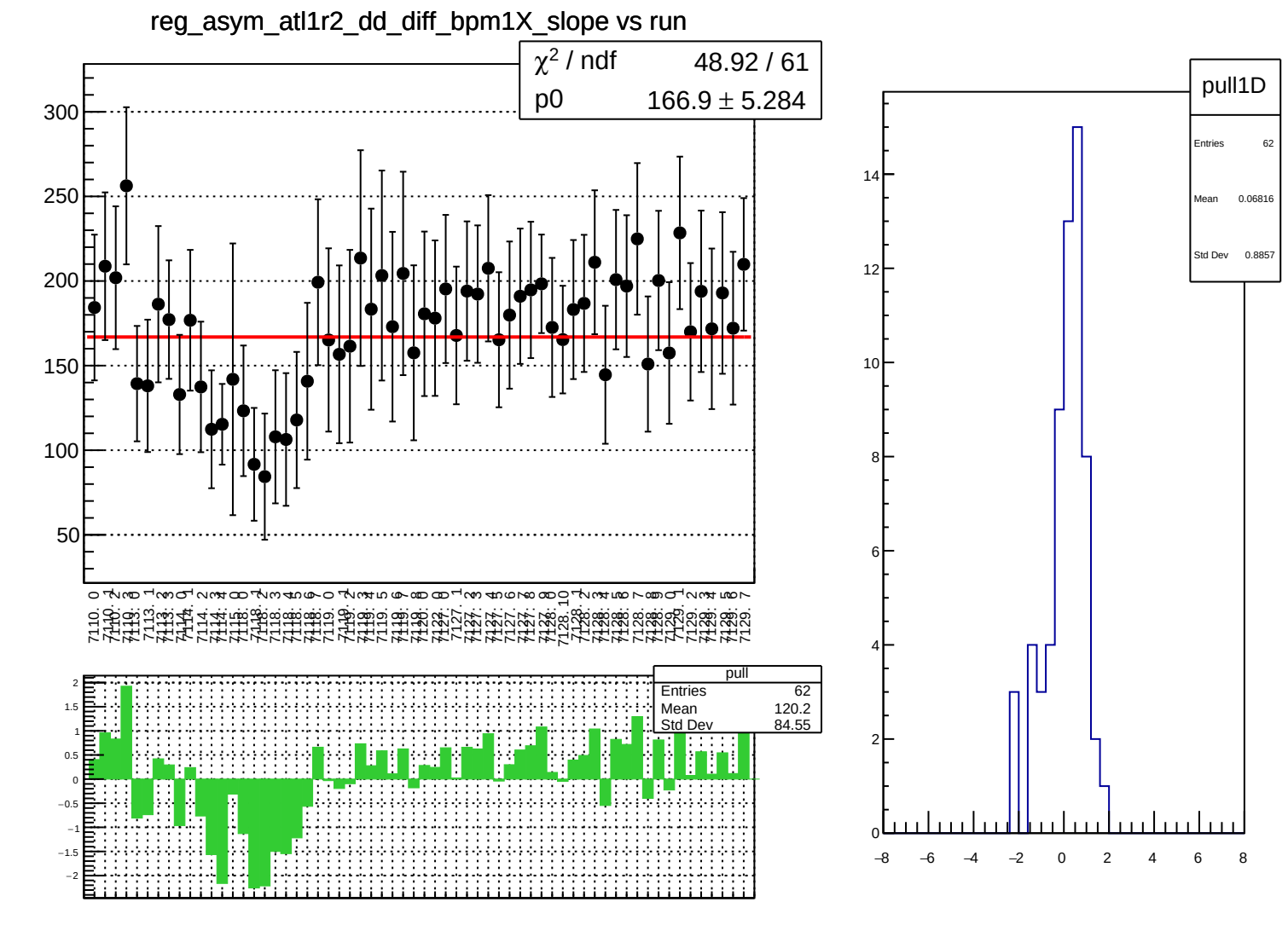

pull1D
Entries 62
Mean −0.08569
Std Dev 1.05

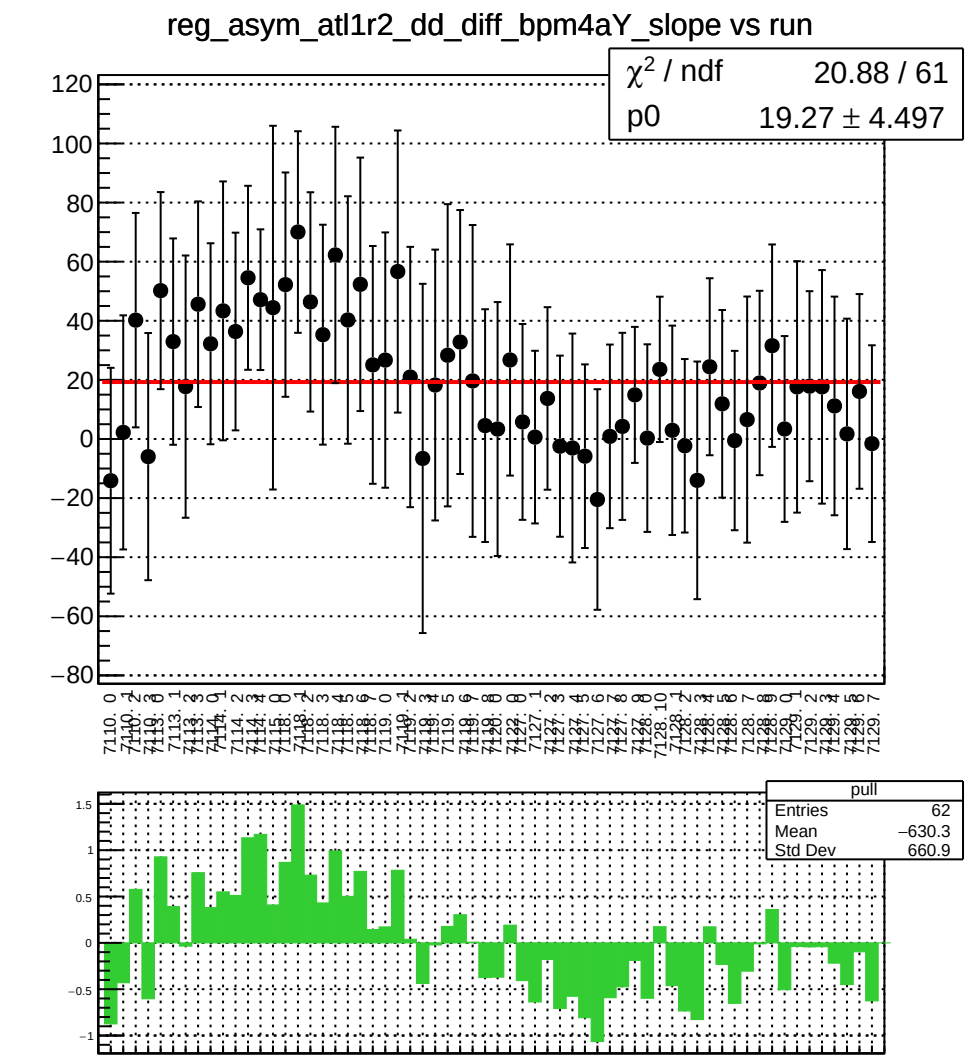

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.96 / 61
p0 −13.67 ± 5.058
pull
Entries 62
Mean −186.9
Std Dev 218.9
pull1D
Entries 62
Mean −0.02514
Std Dev 0.6211

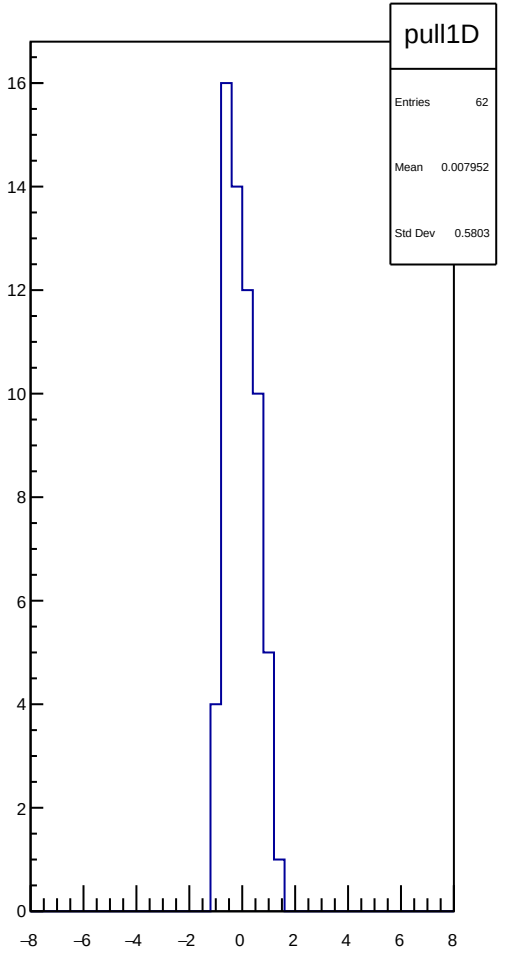

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.51 / 61
p0 250.8 ± 5.914
pull
Entries 62
Mean 120.3
Std Dev 84.44
pull1D
Entries 62
Mean 0.08777
Std Dev 1.07

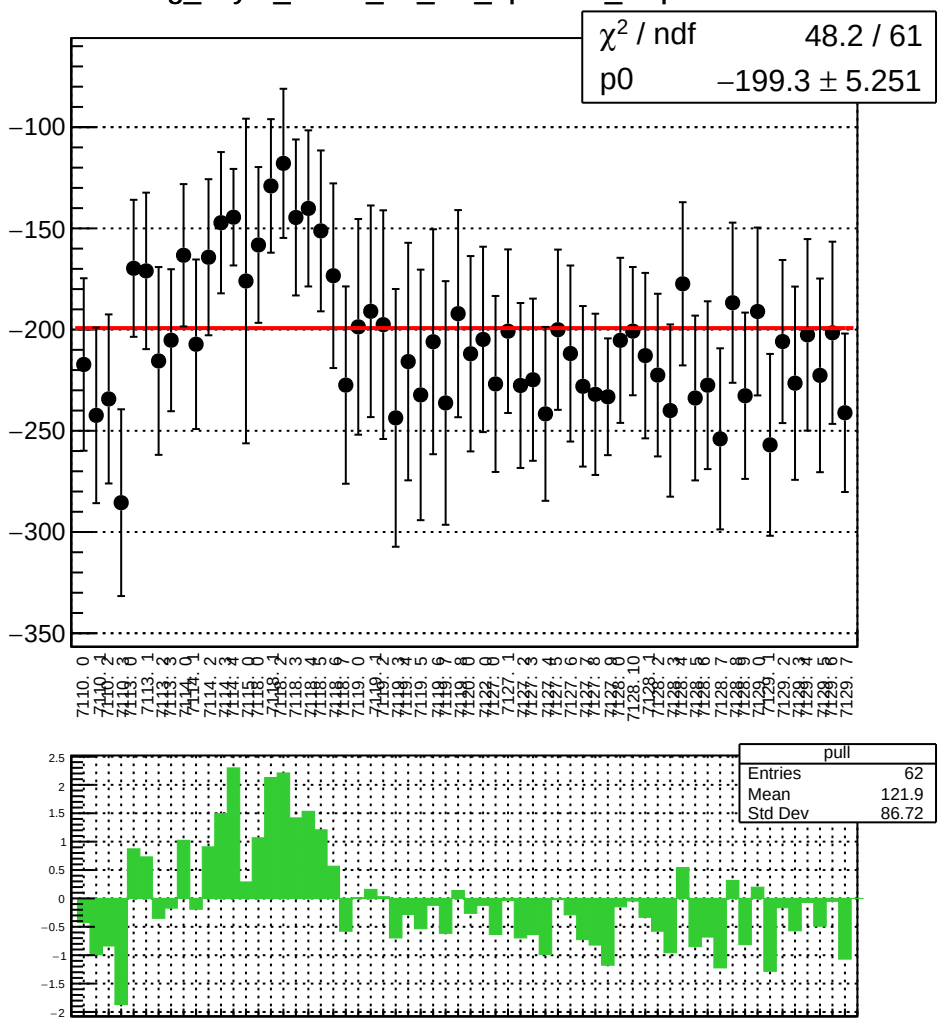

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.98 / 61
p0 80.07 ± 5.335
200
150
100
50
0
pull
Entries 62
Mean −152.5
Std Dev 184.5
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 62
Mean 0.03452
Std Dev 0.6828
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

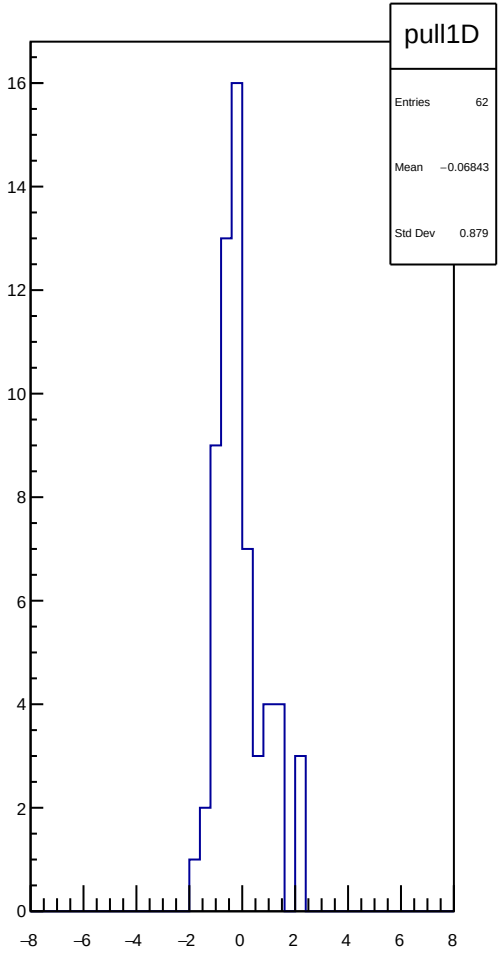

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 39.47 / 61
p0 −139.1± 0.244
pull
Entries 62
Mean −542
Std Dev 569.1
pull1D
Entries 62
Mean −0.01384
Std Dev 0.7978

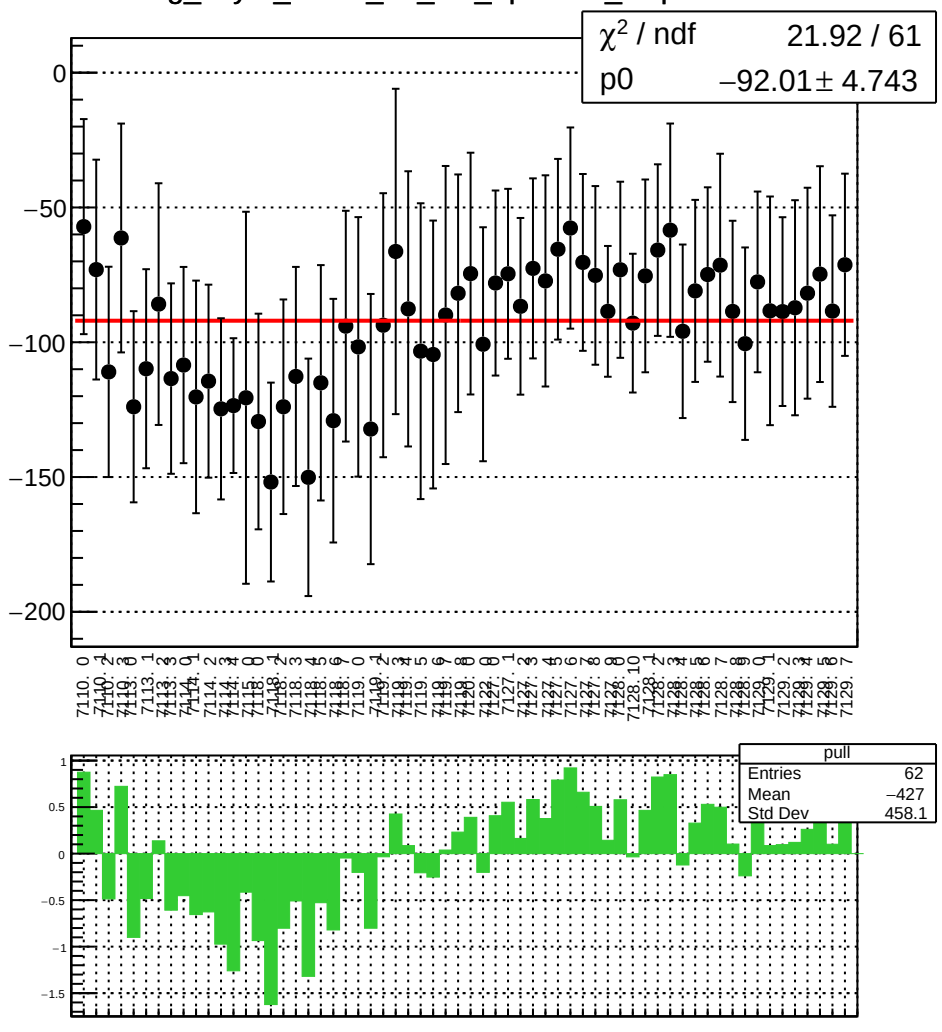

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 48.92 / 61
p0 166.9 ± 5.284
pull
Entries 62
Mean 120.2
Std Dev 84.55
pull1D
Entries 62
Mean 0.06816
Std Dev 0.8857

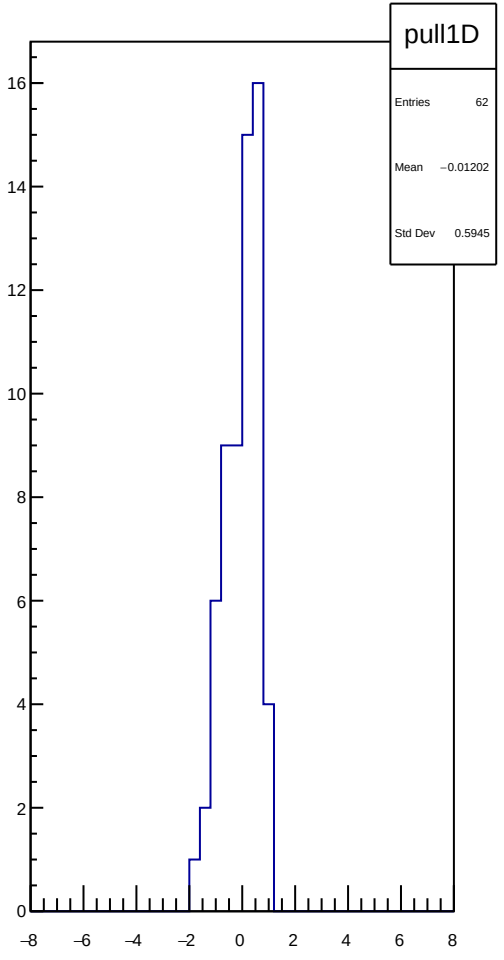

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.88 / 61
p0 19.27 ± 4.497
pull
Entries 62
Mean −630.3
Std Dev 660.9

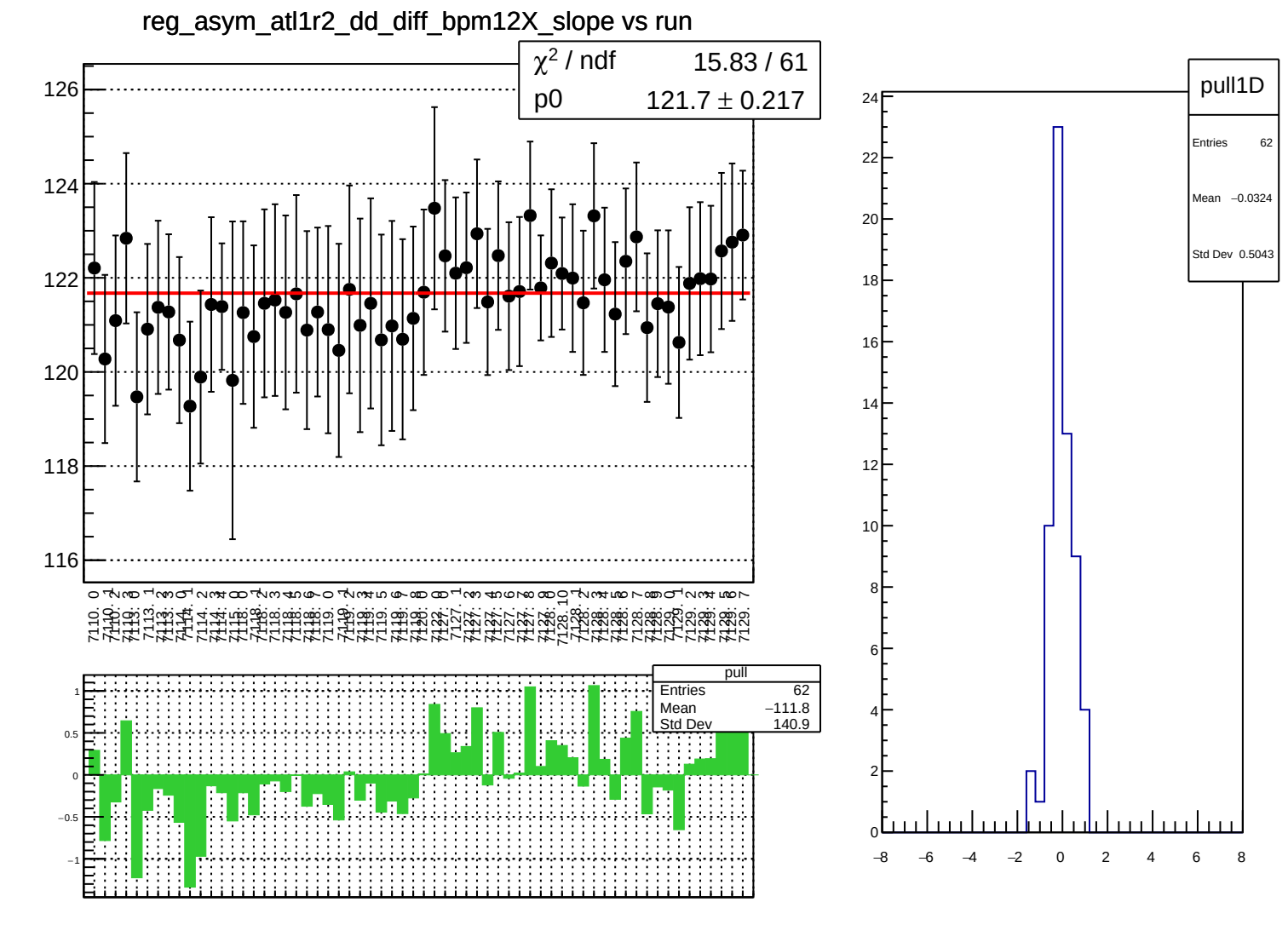

pull1D
Entries 62
Mean 0.007952
Std Dev 0.5803

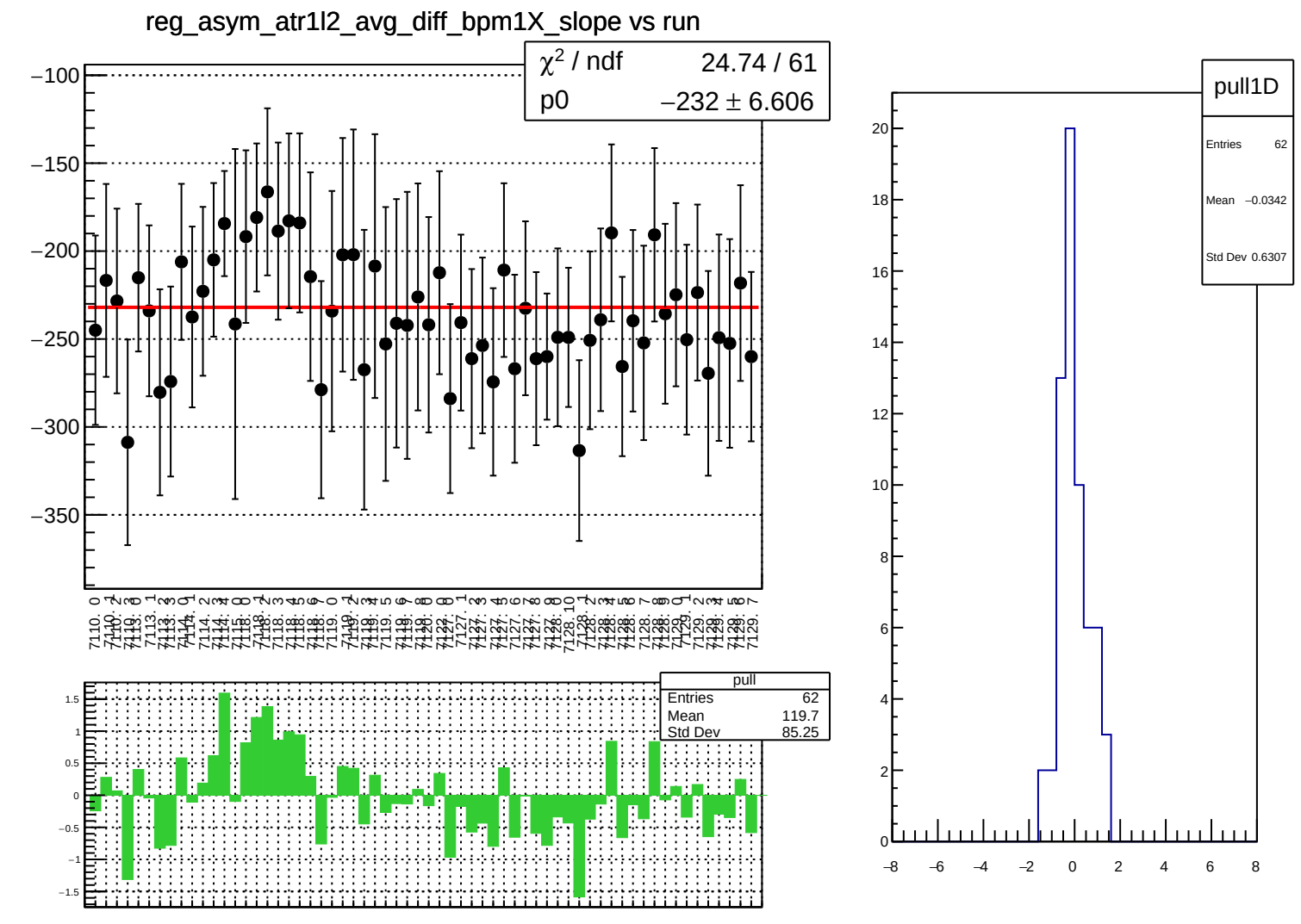

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.2 / 61
p0 −199.3 ± 5.251
pull
Entries 62
Mean 121.9
Std Dev 86.72

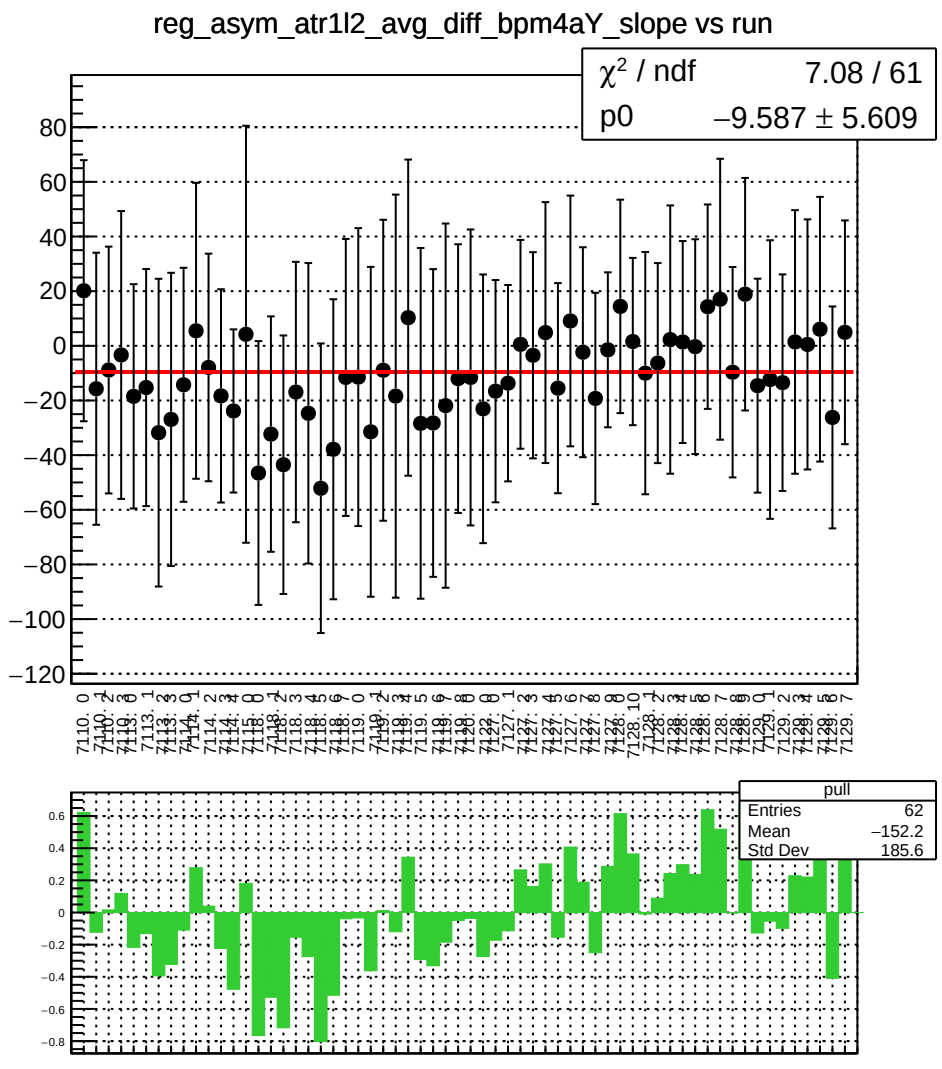

pull1D
Entries 62
Mean −0.06843
Std Dev 0.879

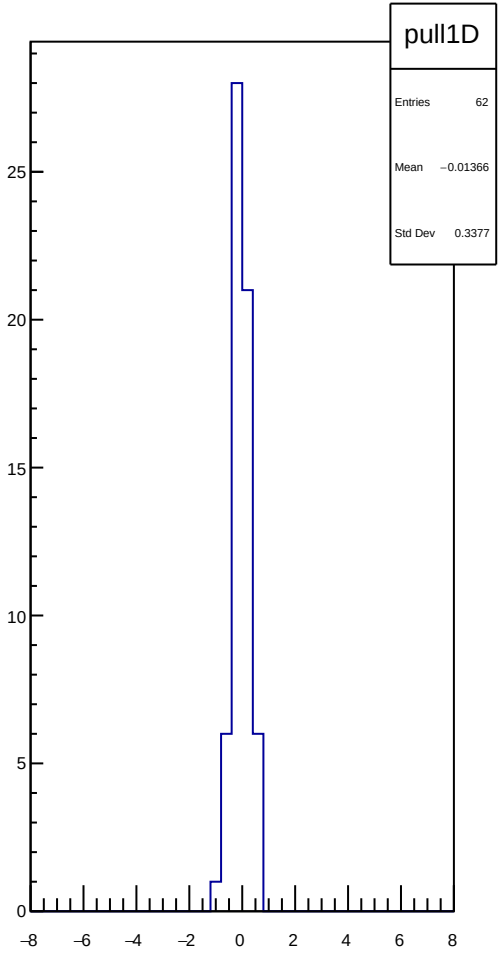

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.92 / 61
p0 −92.01 ± 4.743
pull
Entries 62
Mean −427
Std Dev 458.1

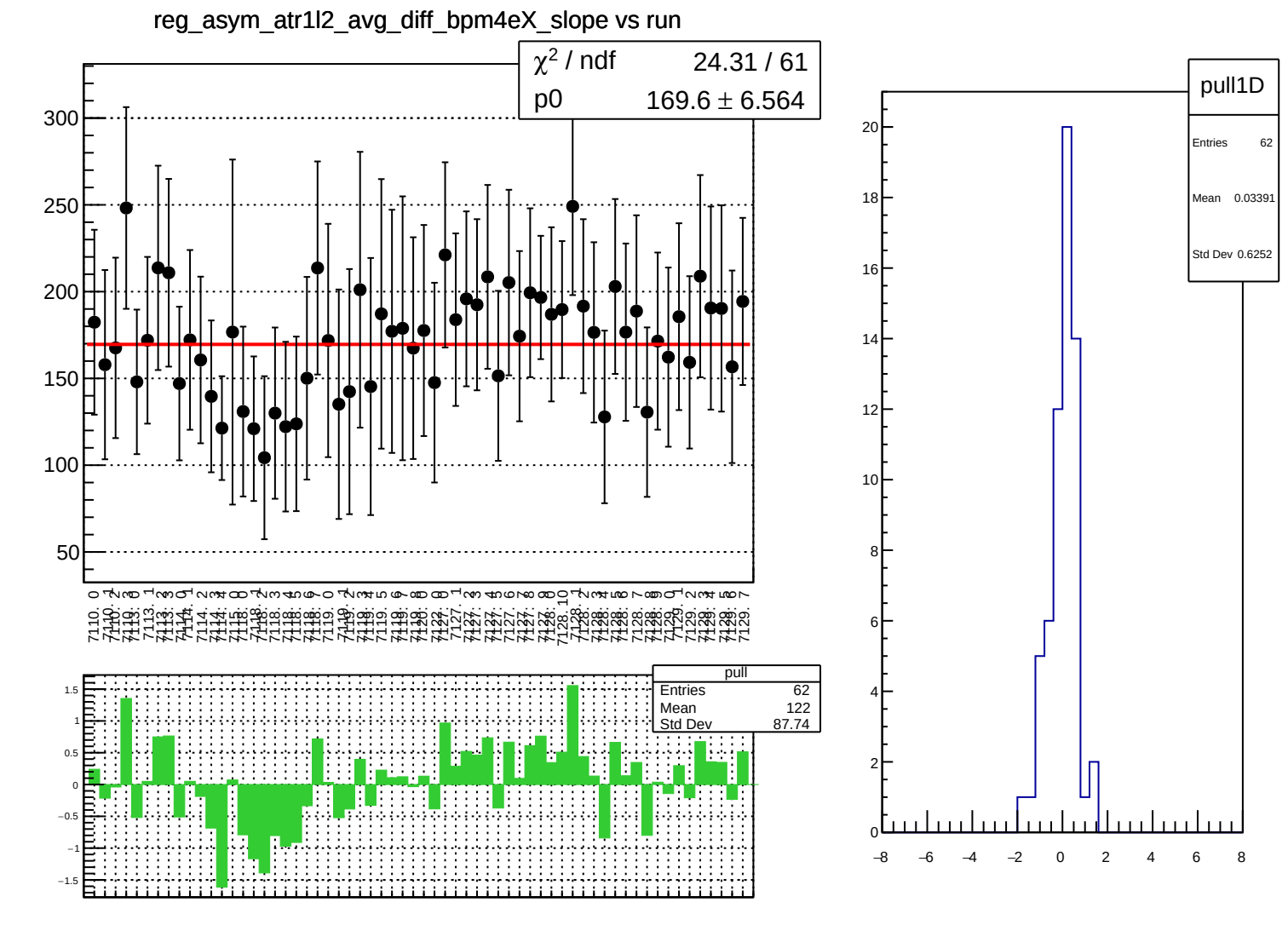

pull1D
Entries 62
Mean −0.01202
Std Dev 0.5945

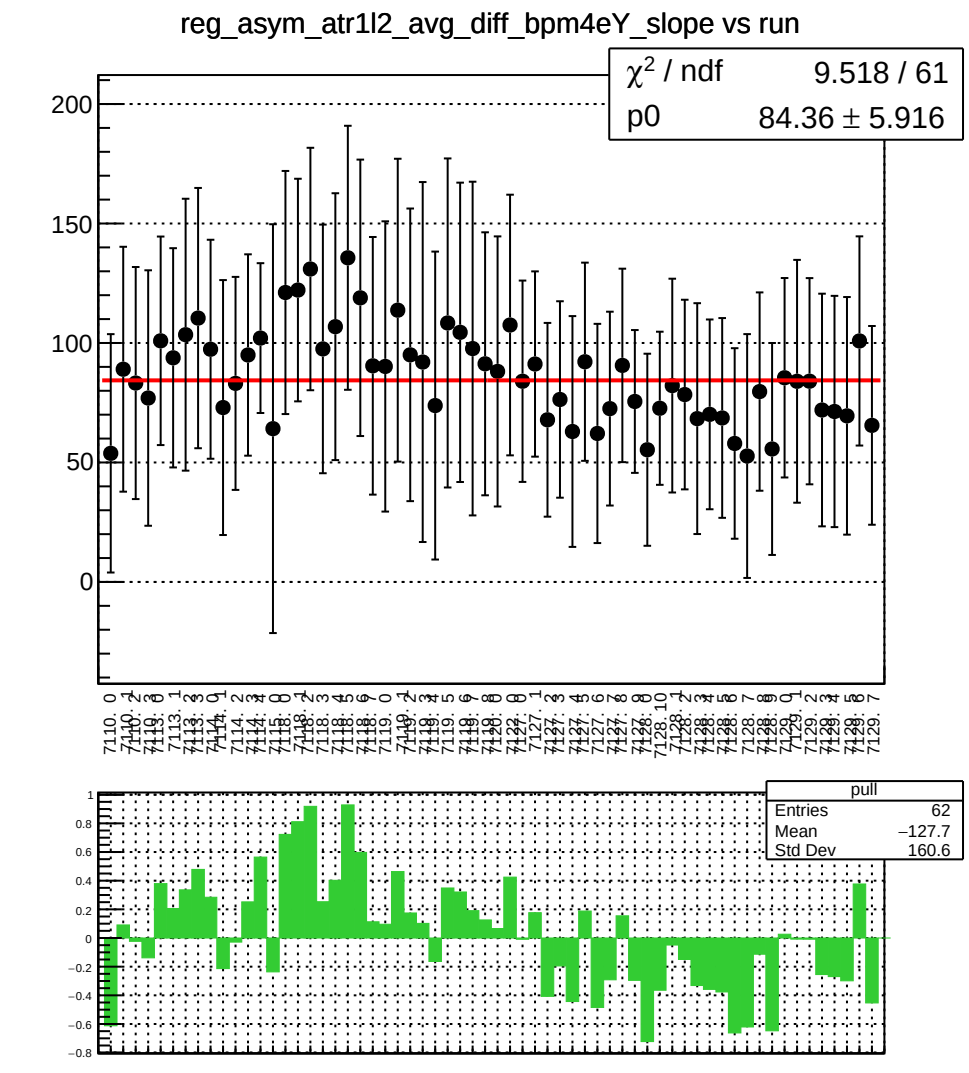

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 15.83 / 61
p0 121.7 ± 0.217
126
124
122
120
118
116
pull
Entries 62
Mean −111.8
Std Dev 140.9
1
0.5
0
−0.5
−1
pull1D
Entries 62
Mean −0.0324
Std Dev 0.5043
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

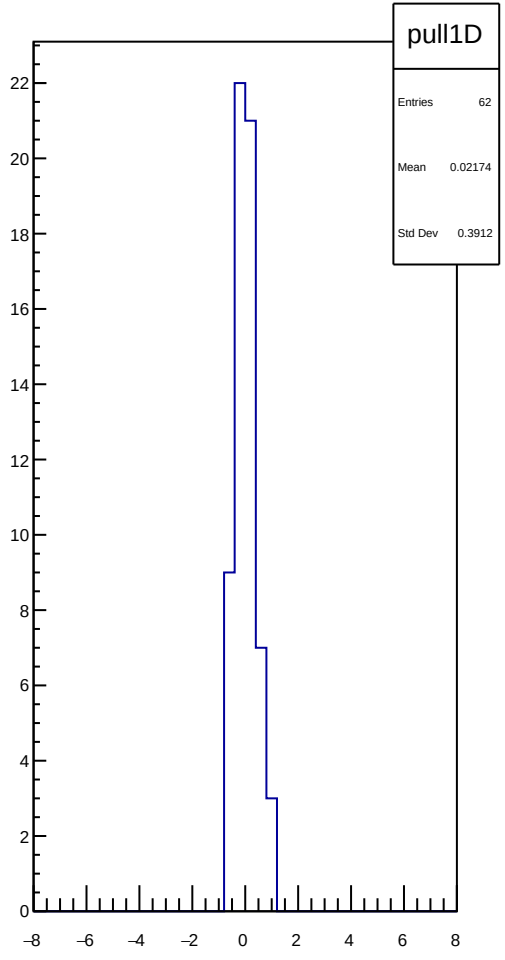

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 24.74 / 61
p0 −232 ± 6.606
−100
−150
−200
−250
−300
−350
pull
Entries 62
Mean 119.7
Std Dev 85.25
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 62
Mean −0.0342
Std Dev 0.6307
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

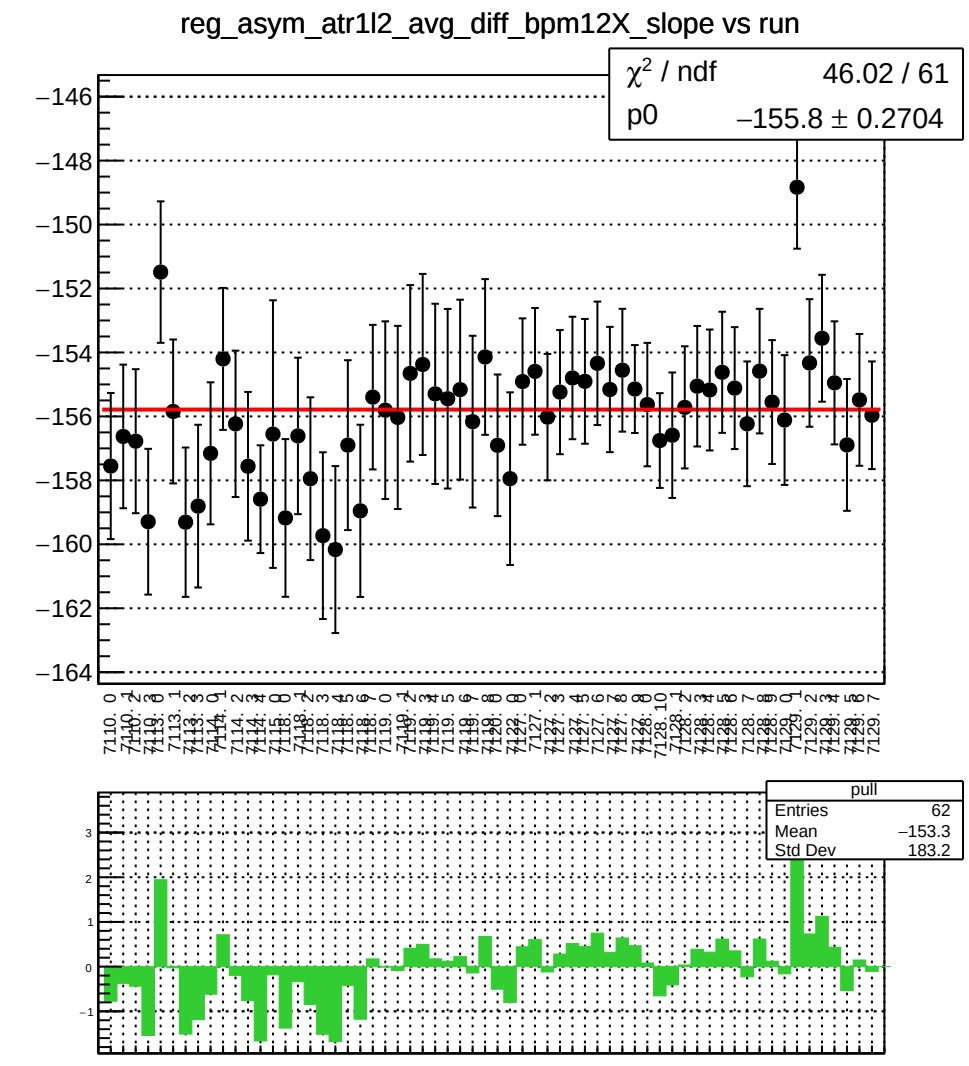

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.08 / 61
p0 −9.587 ± 5.609
pull
Entries 62
Mean −152.2
Std Dev 185.6

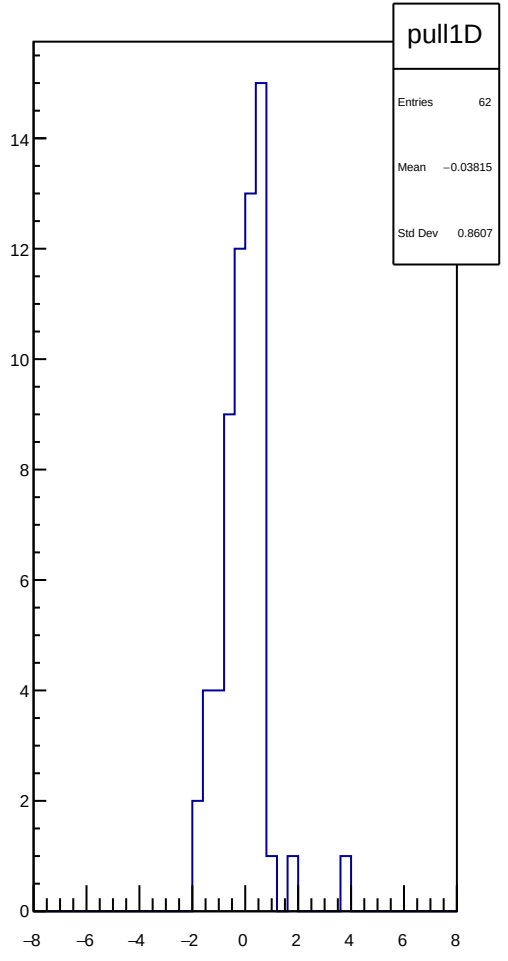

pull1D
Entries 62
Mean −0.01366
Std Dev 0.3377

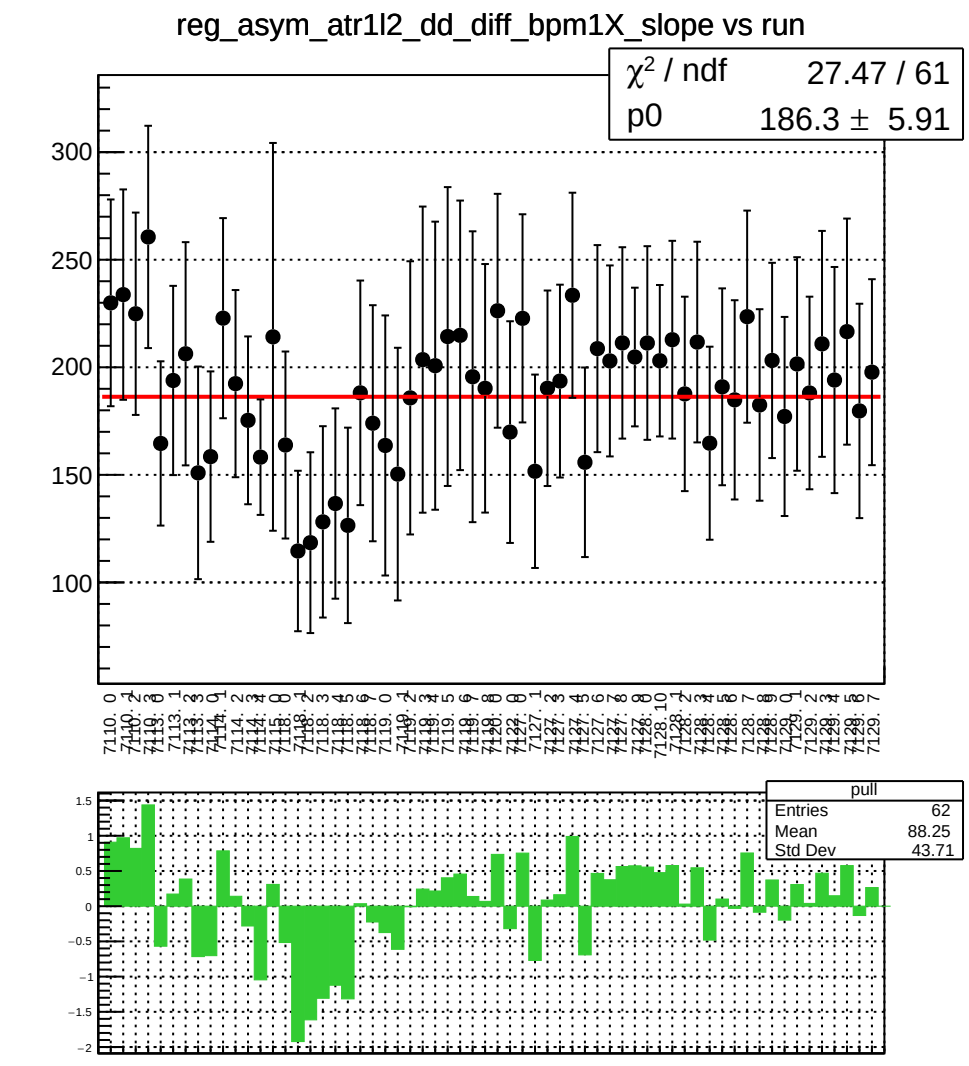

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.31 / 61
p0 169.6 ± 6.564
pull
Entries 62
Mean 122
Std Dev 87.74
pull1D
Entries 62
Mean 0.03391
Std Dev 0.6252

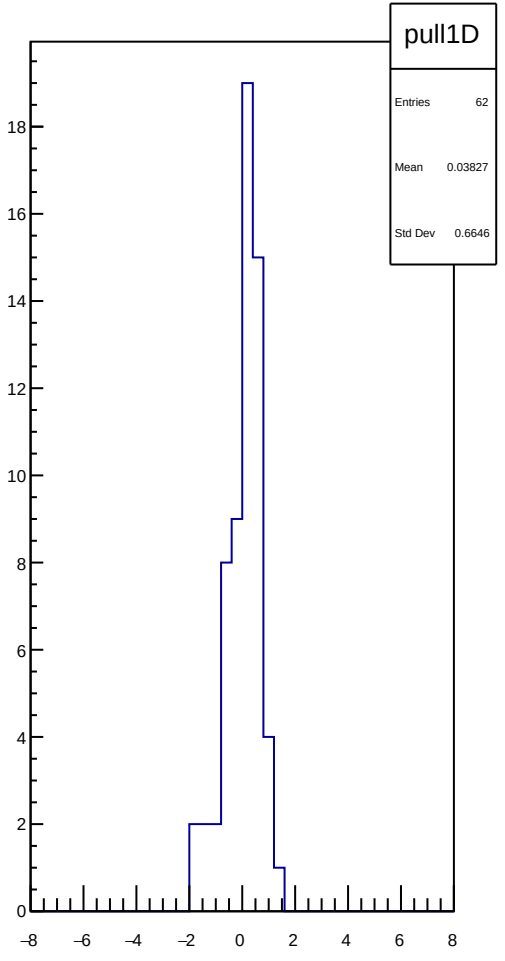

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.518 / 61
p0 84.36 ± 5.916
200
150
100
50
0
pull
Entries 62
Mean −127.7
Std Dev 160.6
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

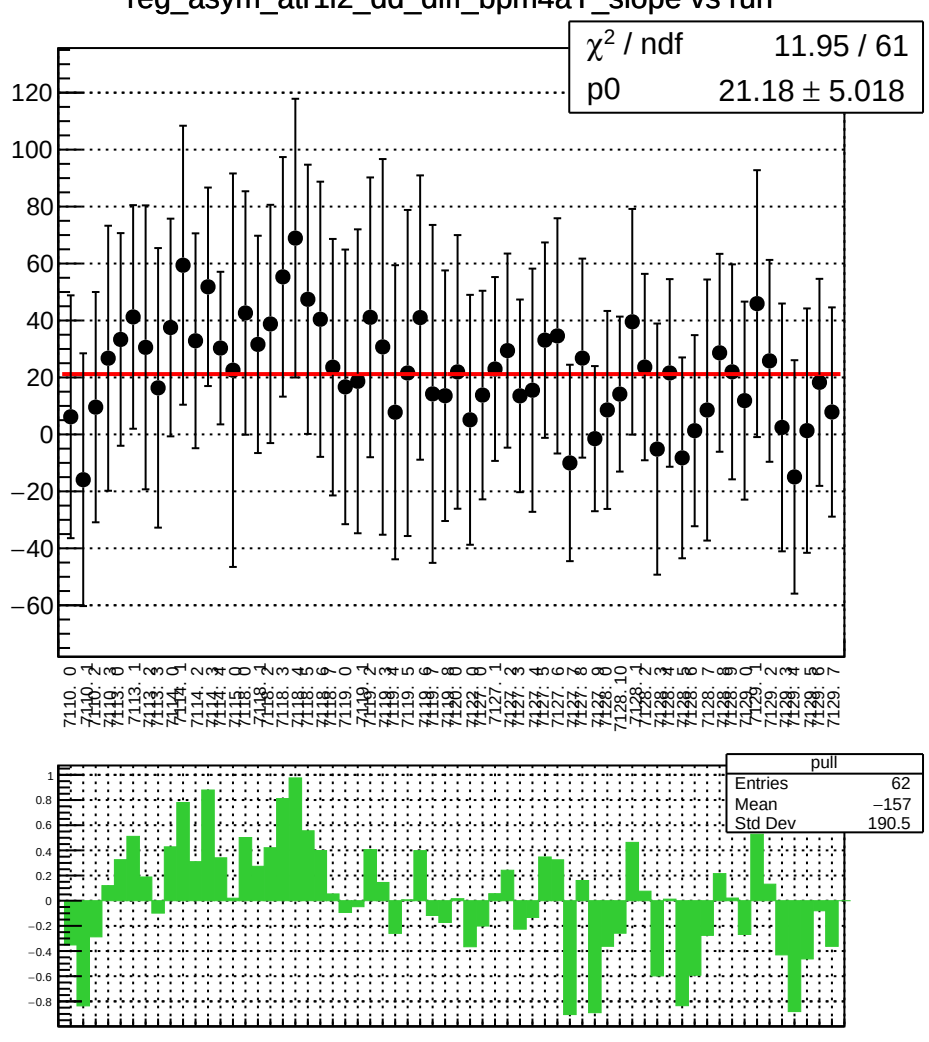

pull1D
Entries 62
Mean 0.02174
Std Dev 0.3912
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

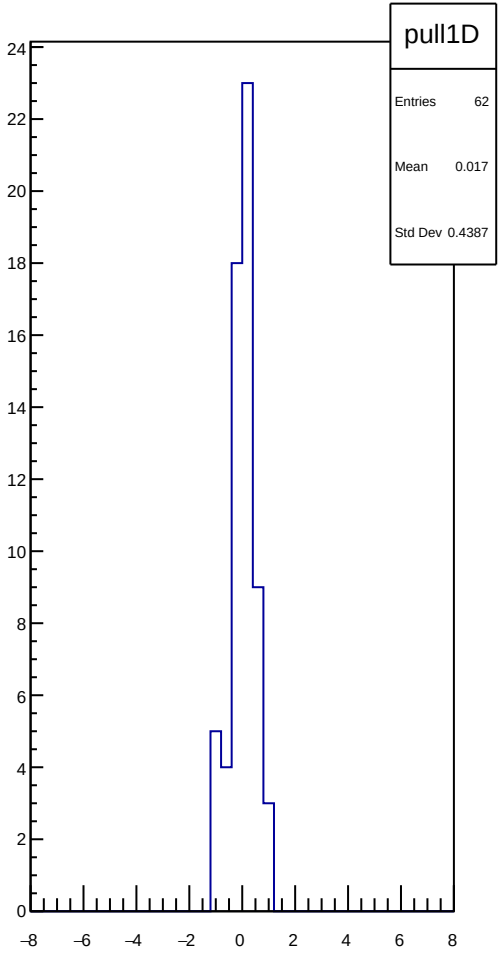

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 46.02 / 61
p0 −155.8 ± 0.2704
pull
Entries 62
Mean −153.3
Std Dev 183.2

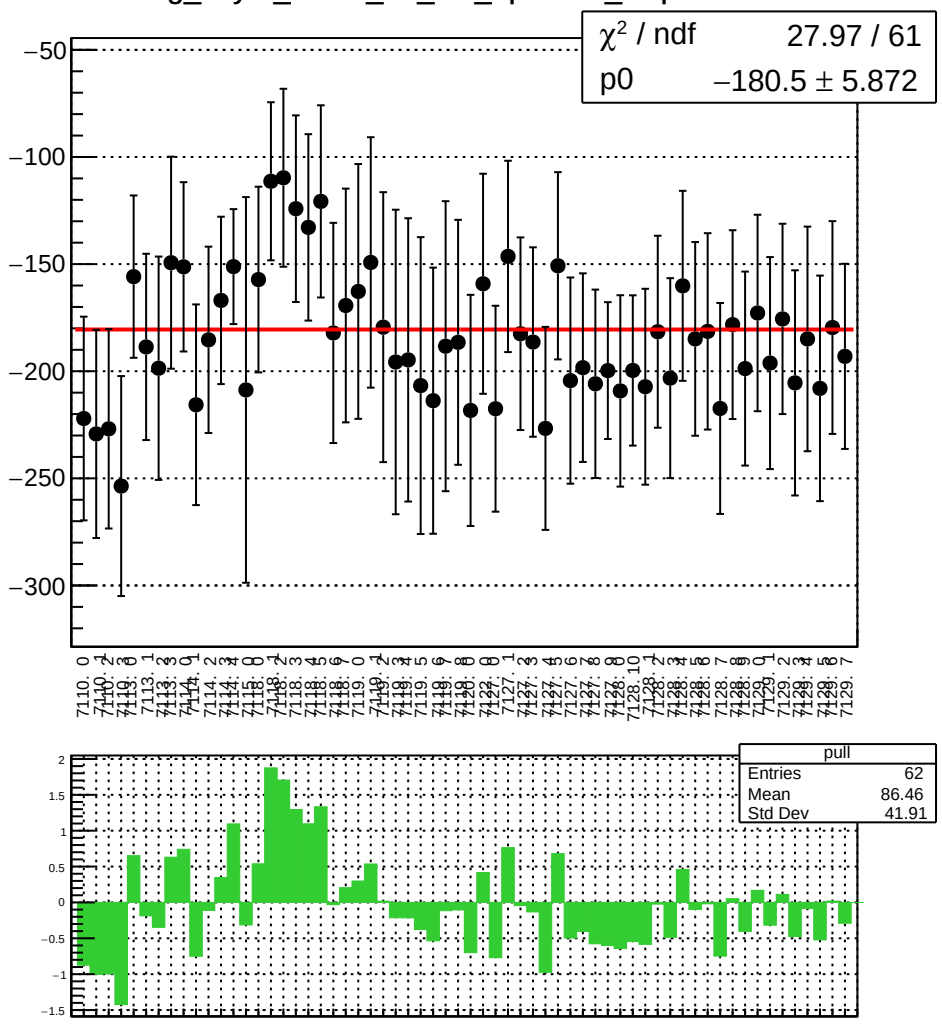

pull1D
Entries 62
Mean −0.03815
Std Dev 0.8607

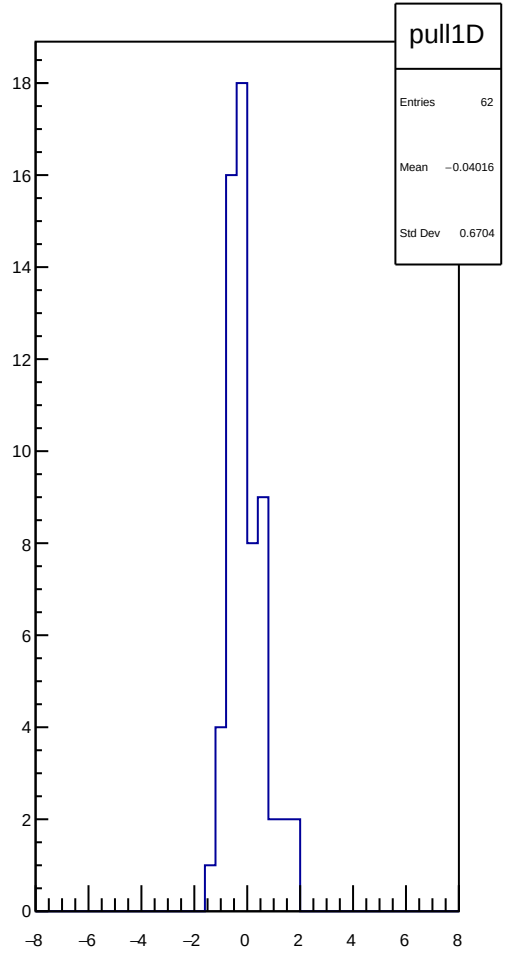

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 27.47 / 61
p0 186.3 ± 5.91
pull
Entries 62
Mean 88.25
Std Dev 43.71

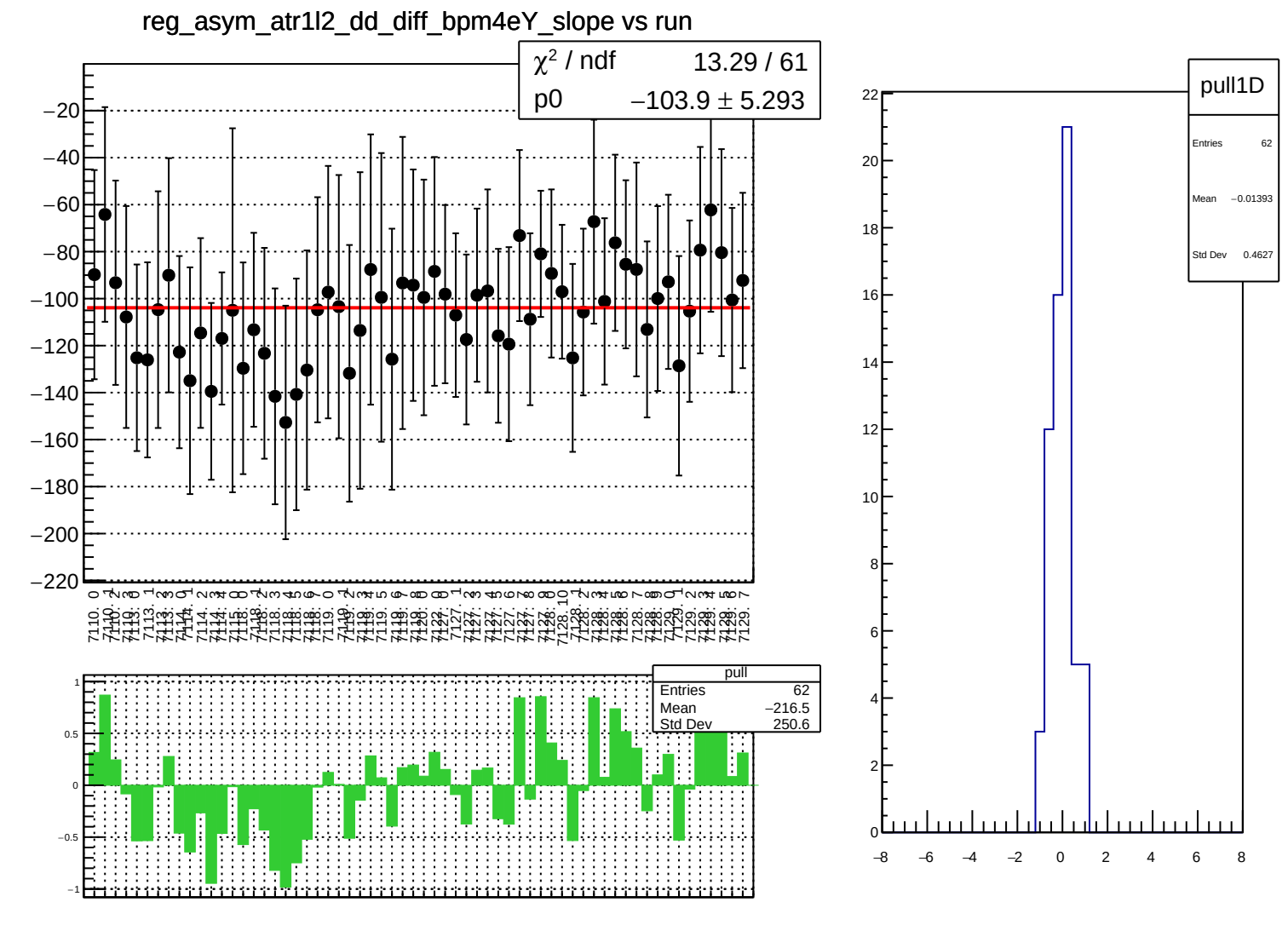

pull1D
Entries 62
Mean 0.03827
Std Dev 0.6646

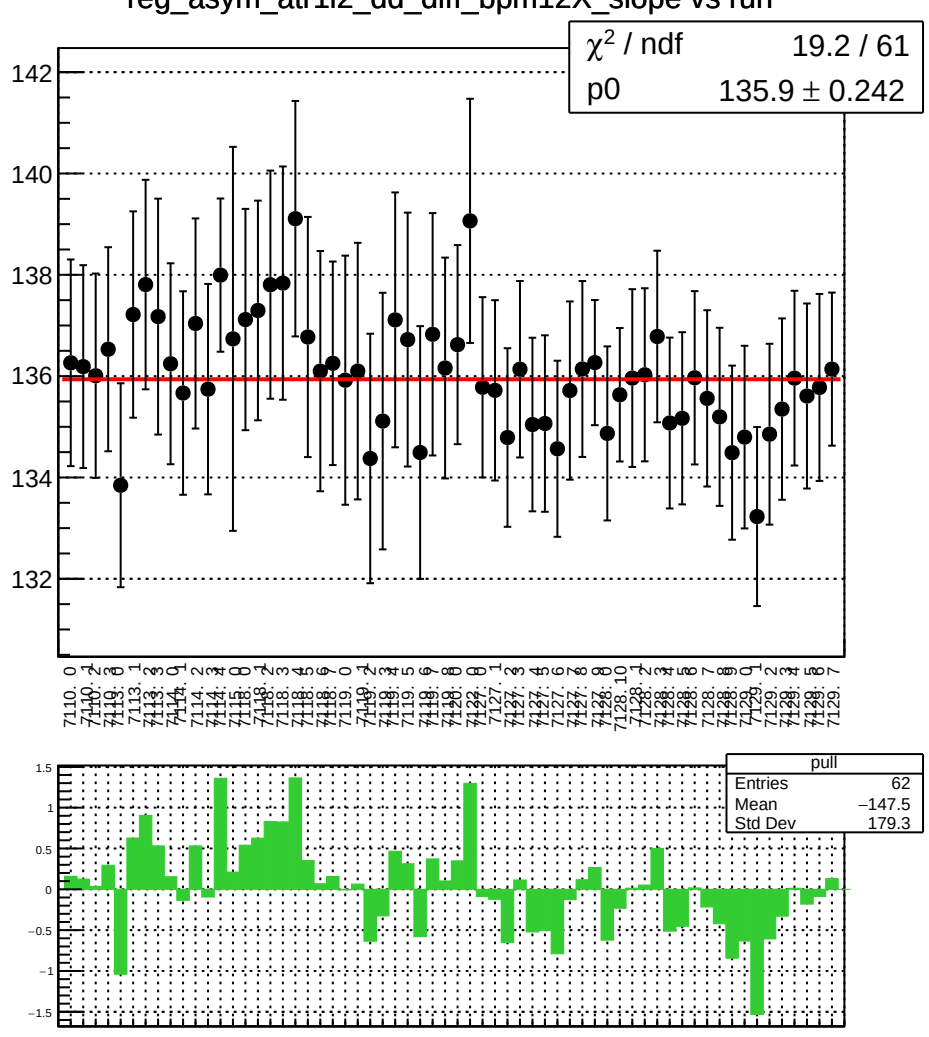

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.95 / 61
p0 21.18 ± 5.018
pull
Entries 62
Mean −157
Std Dev 190.5

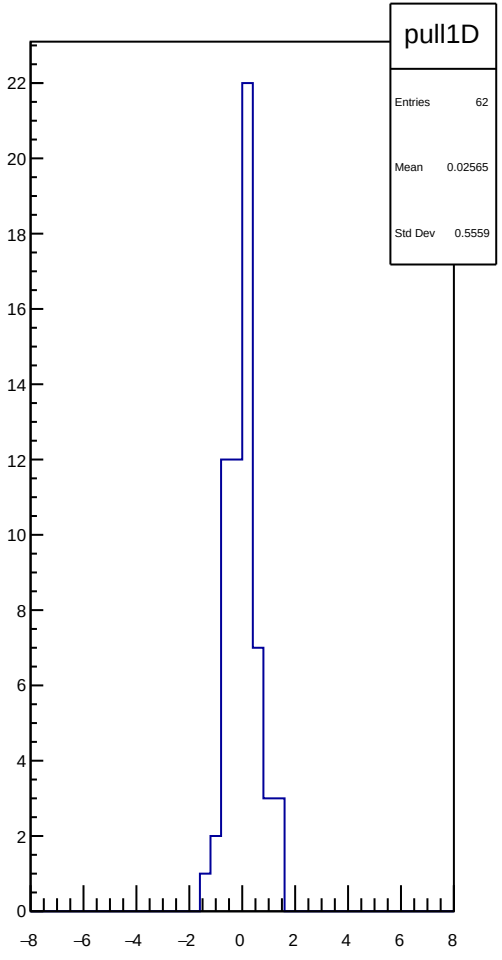

pull1D
Entries 62
Mean 0.017
Std Dev 0.4387

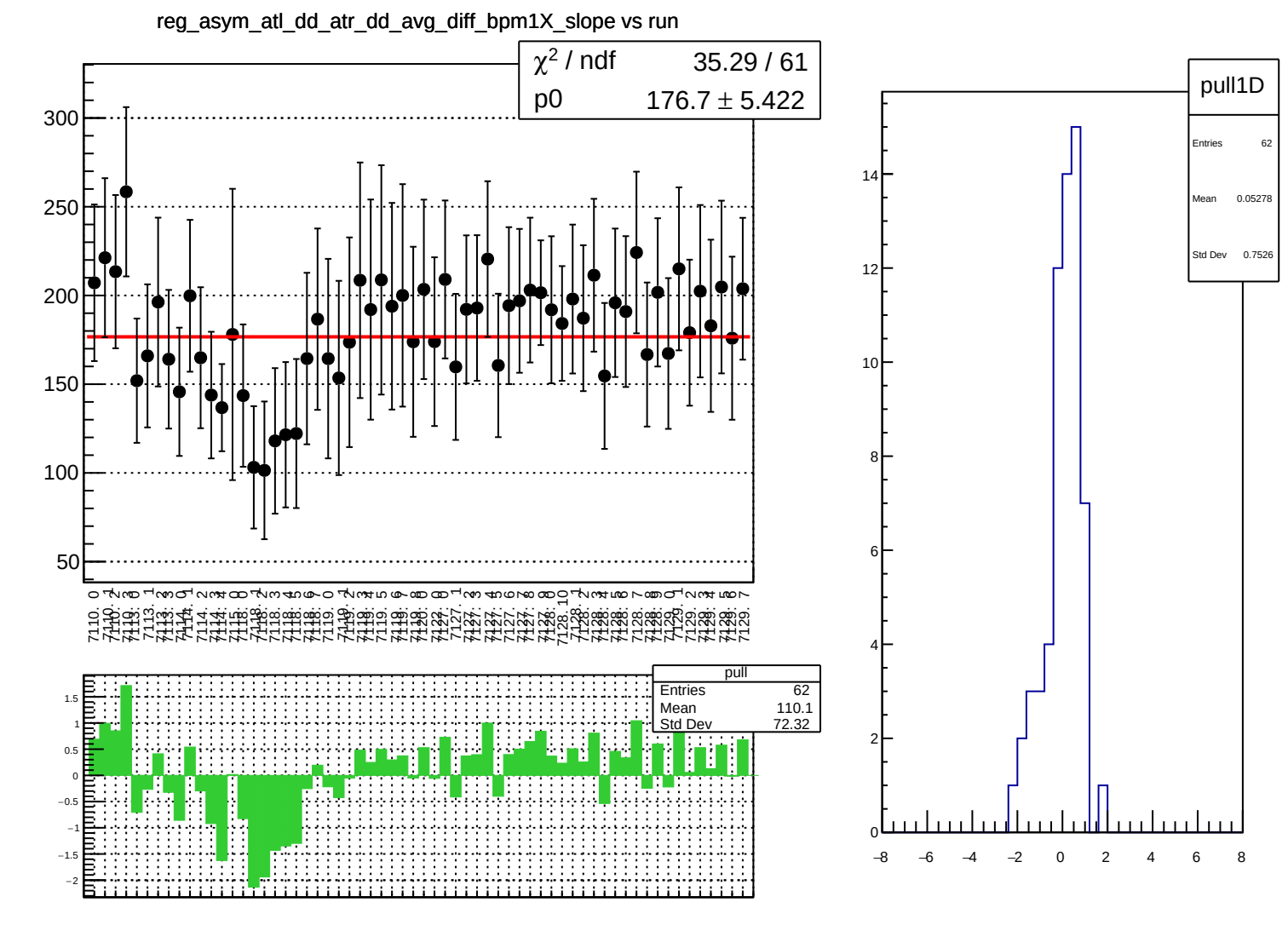

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.97 / 61
p0 −180.5 ± 5.872
pull
Entries 62
Mean 86.46
Std Dev 41.91

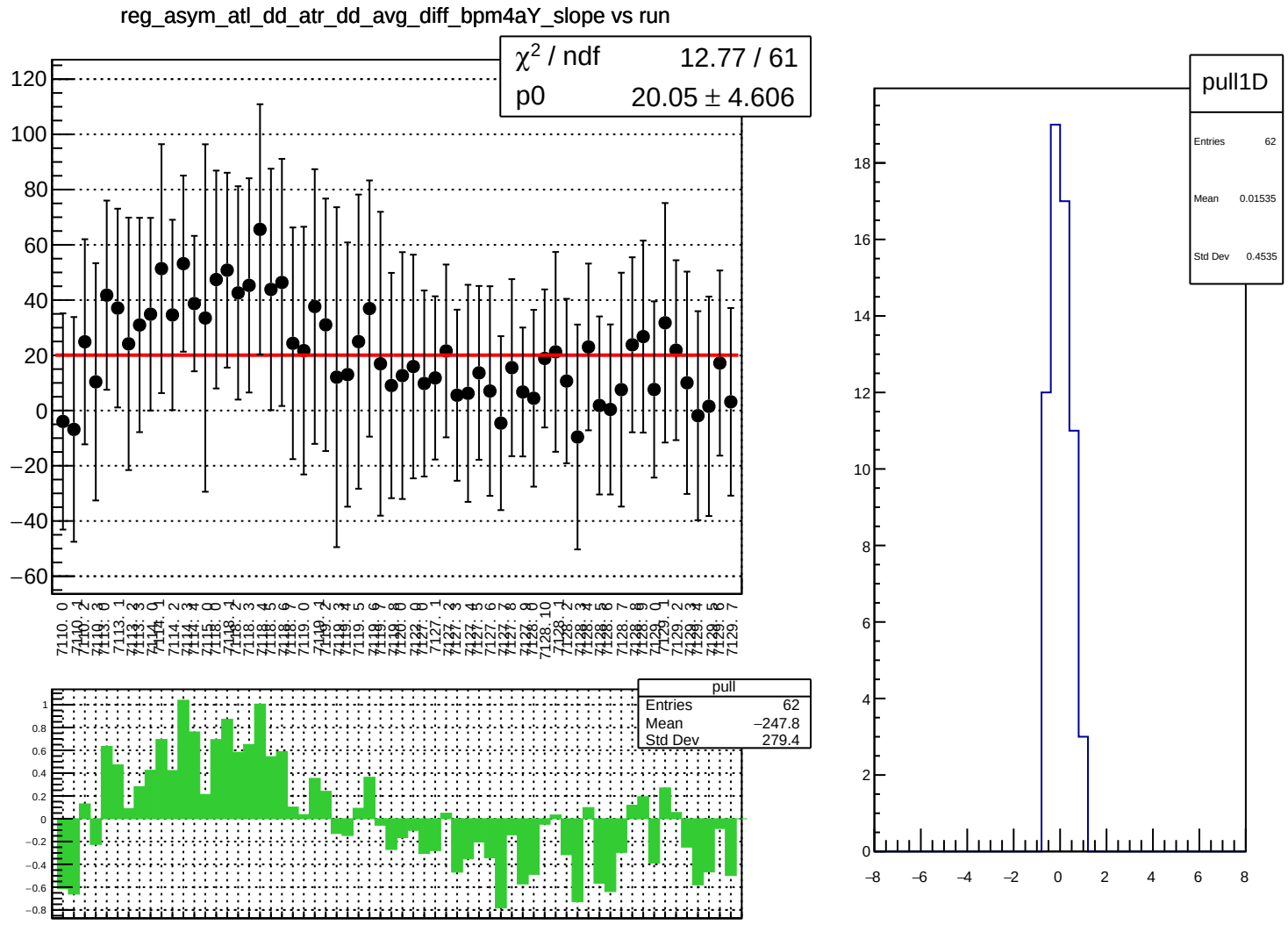

pull1D
Entries 62
Mean −0.04016
Std Dev 0.6704

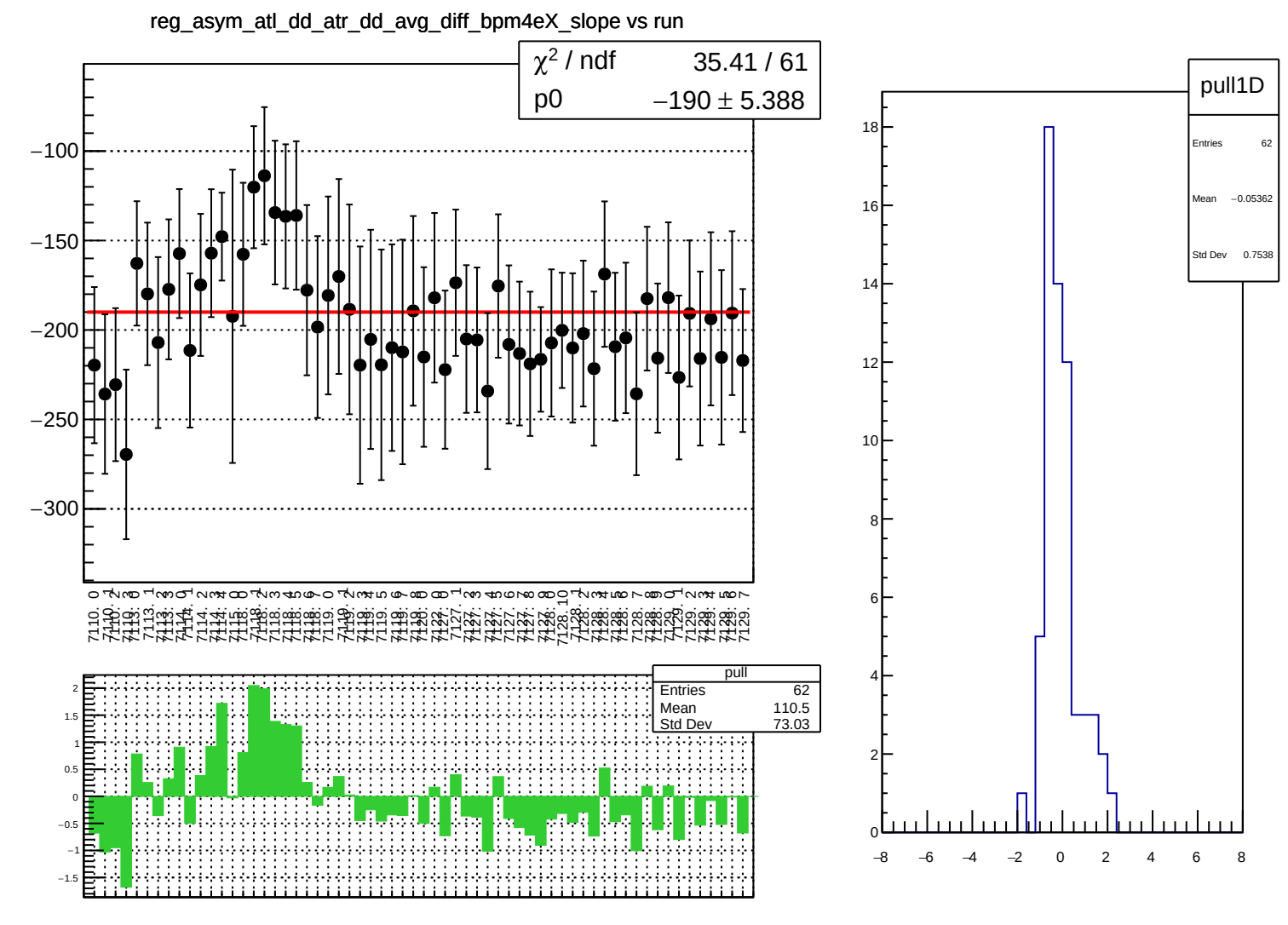

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.29 / 61
p0 −103.9 ± 5.293
pull
Entries 62
Mean −216.5
Std Dev 250.6
pull1D
Entries 62
Mean −0.01393
Std Dev 0.4627

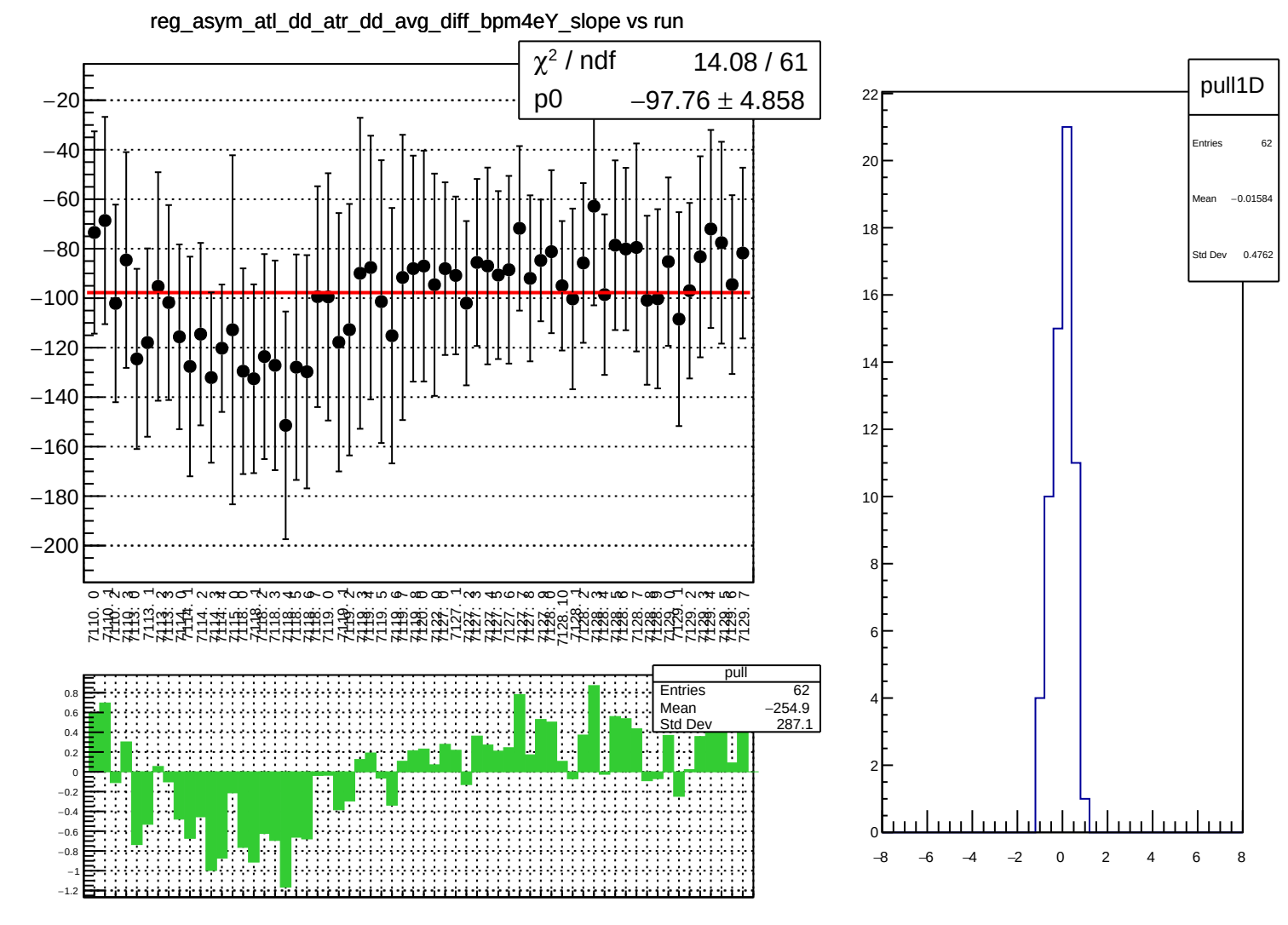

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.2 / 61
p0 135.9 ± 0.242
pull
Entries 62
Mean −147.5
Std Dev 179.3

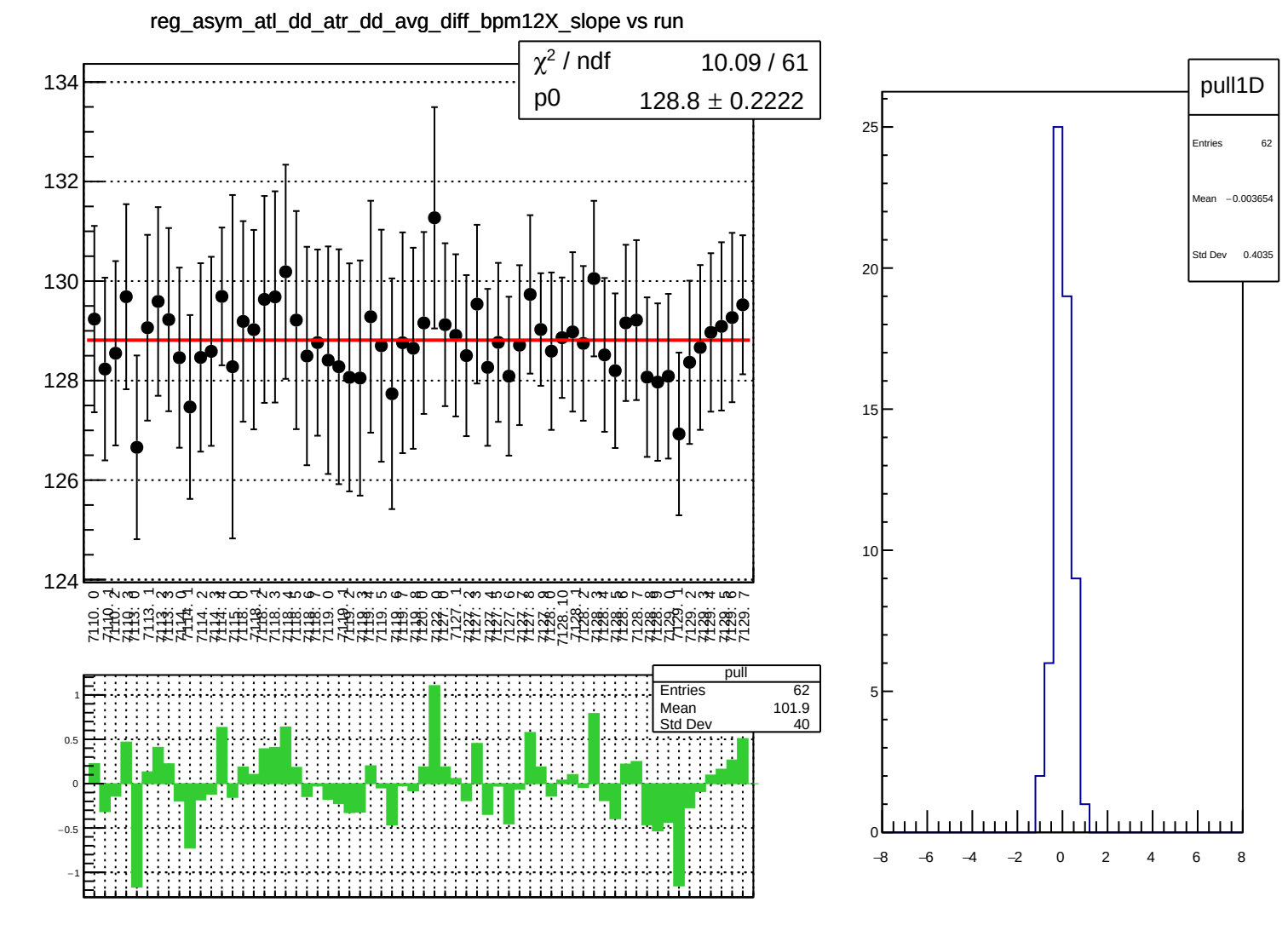

pull1D
Entries 62
Mean 0.02565
Std Dev 0.5559

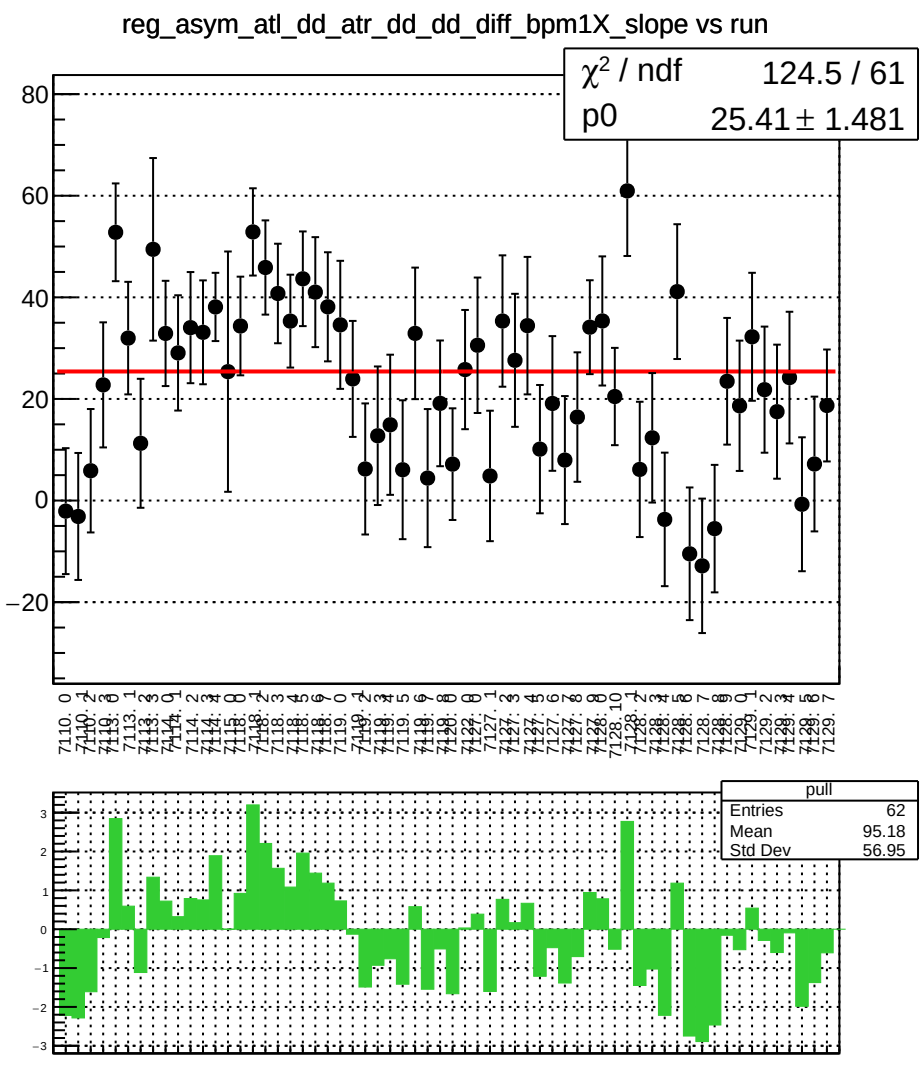

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 35.29 / 61
p0 176.7 ± 5.422
pull
Entries 62
Mean 110.1
Std Dev 72.32
pull1D
Entries 62
Mean 0.05278
Std Dev 0.7526

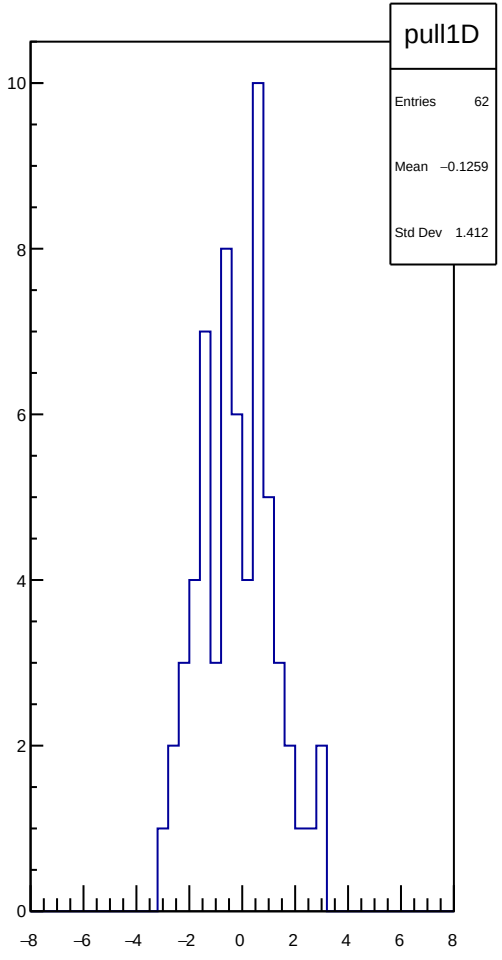

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.77 / 61
p0 20.05 ± 4.606
pull
Entries 62
Mean −247.8
Std Dev 279.4
pull1D
Entries 62
Mean 0.01535
Std Dev 0.4535

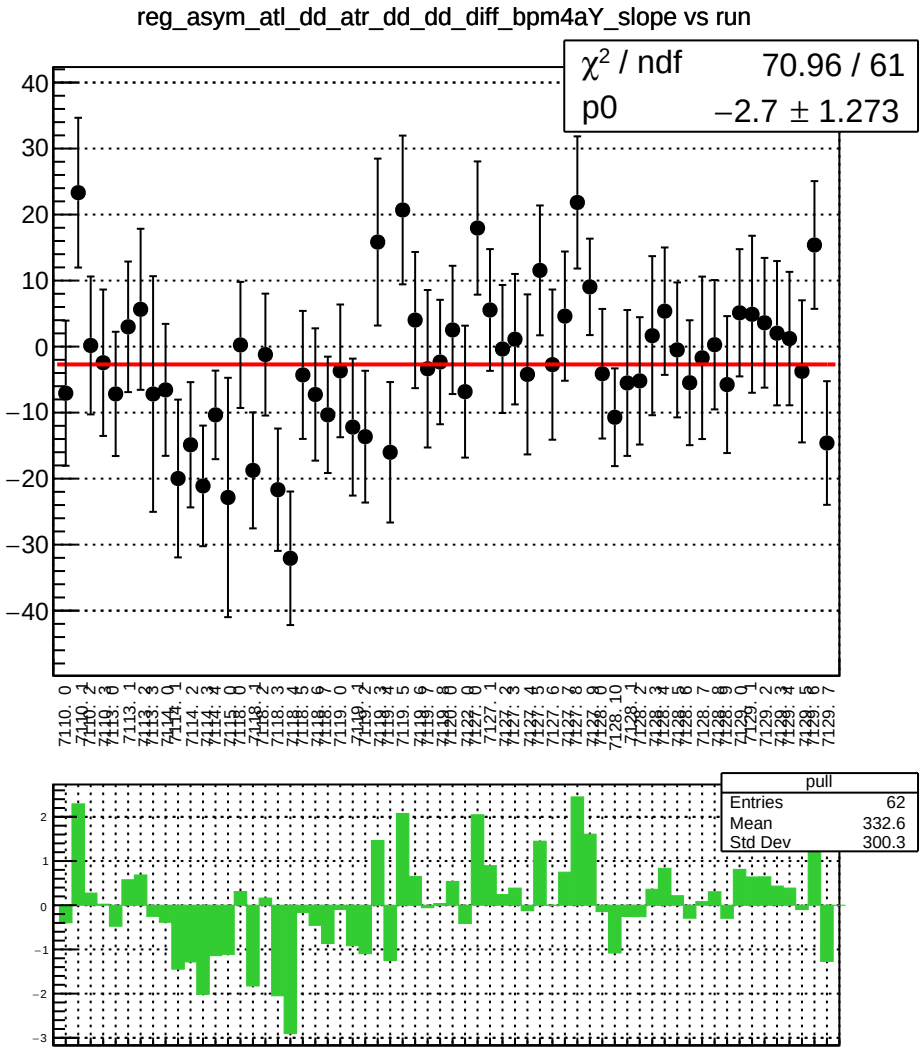

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.41 / 61
p0 −190 ± 5.388
pull
Entries 62
Mean 110.5
Std Dev 73.03
pull1D
Entries 62
Mean −0.05362
Std Dev 0.7538

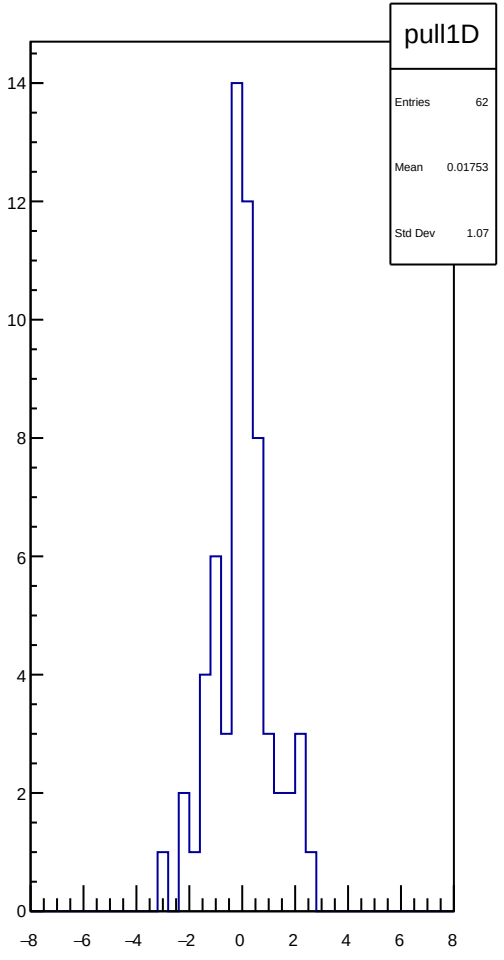

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.08 / 61
p0 −97.76 ± 4.858
pull
Entries 62
Mean −254.9
Std Dev 287.1
pull1D
Entries 62
Mean −0.01584
Std Dev 0.4762

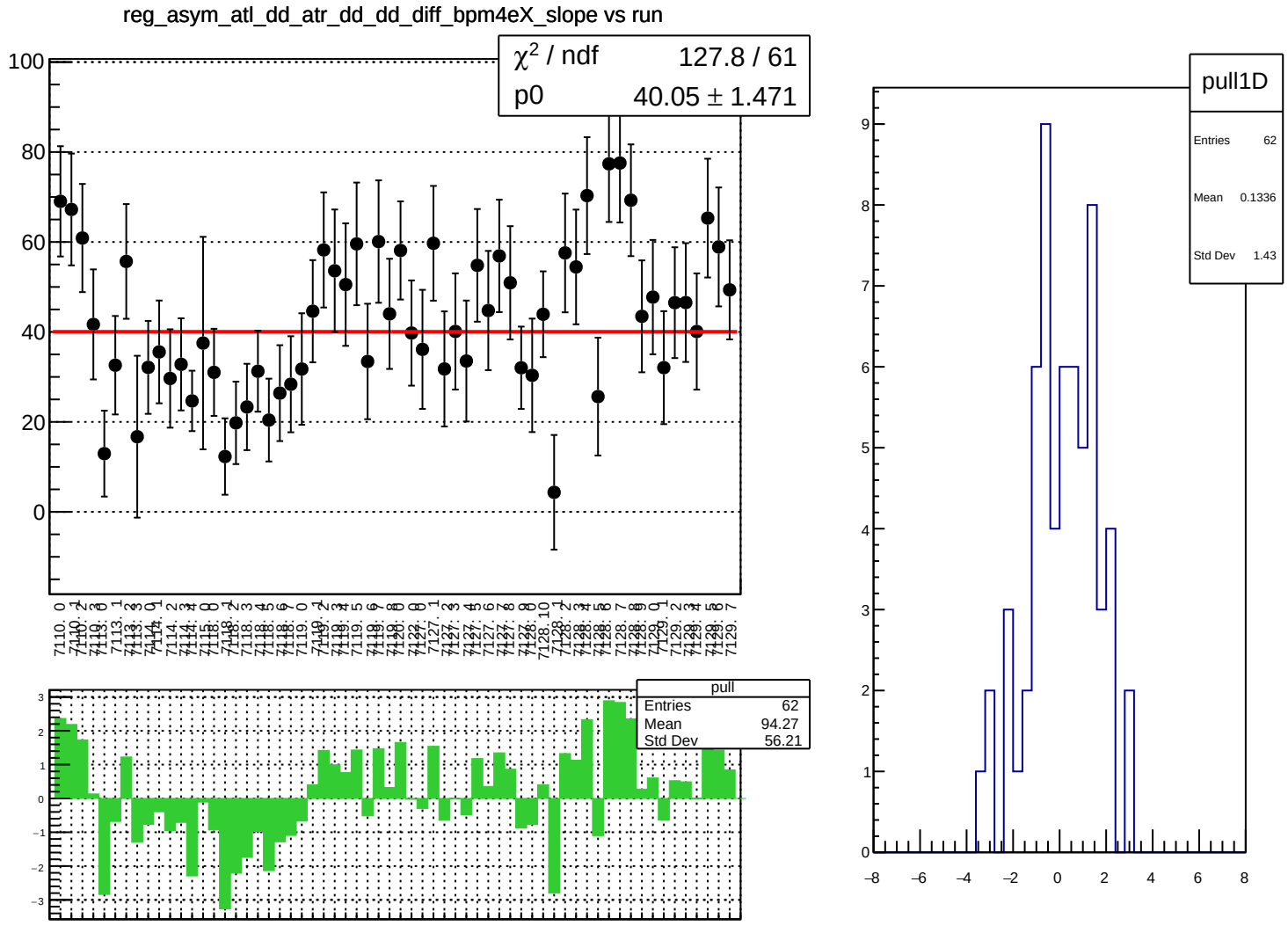

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 10.09 / 61
p0 128.8 ± 0.2222
pull
Entries 62
Mean 101.9
Std Dev 40
pull1D
Entries 62
Mean −0.003654
Std Dev 0.4035

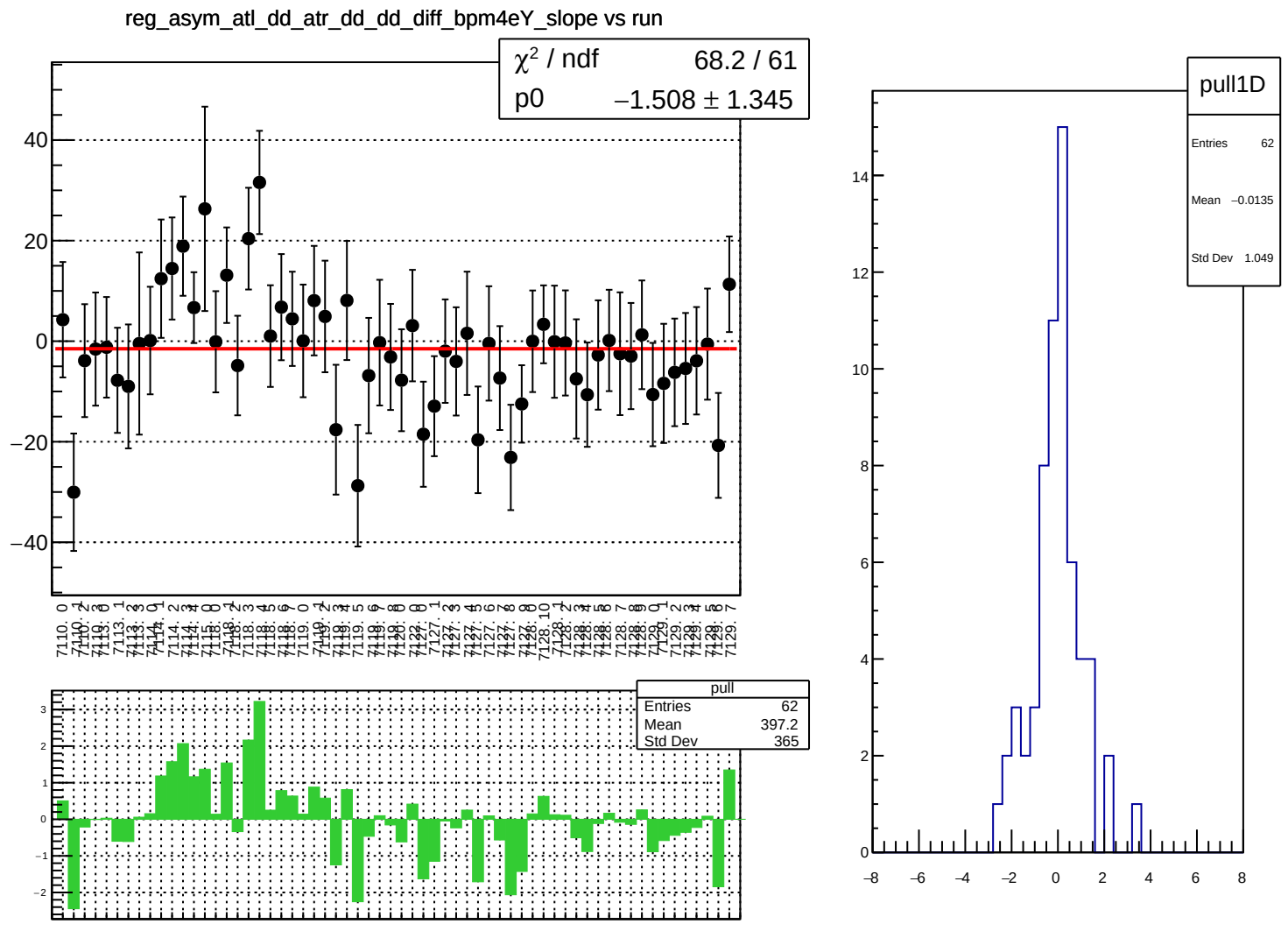

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 124.5 / 61
p0 25.41 ± 1.481
pull
Entries 62
Mean 95.18
Std Dev 56.95

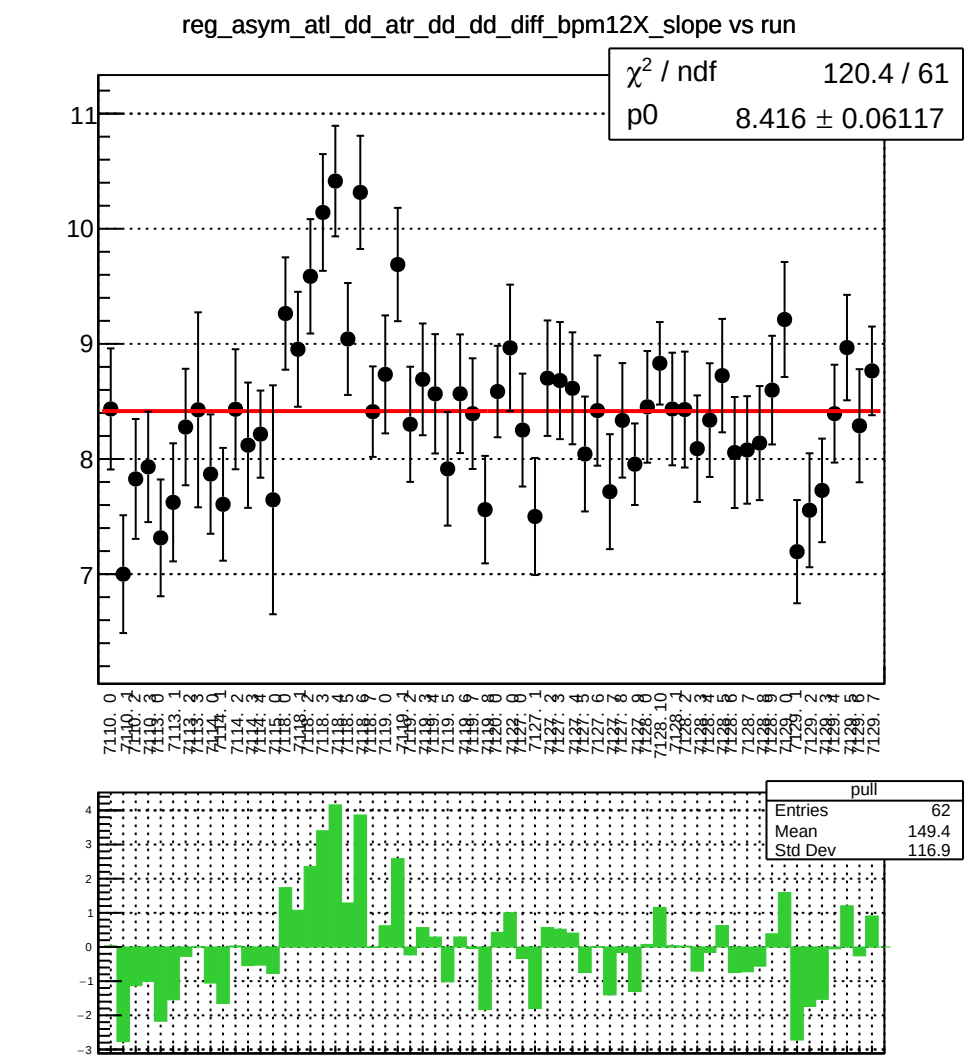

pull1D
Entries 62
Mean −0.1259
Std Dev 1.412

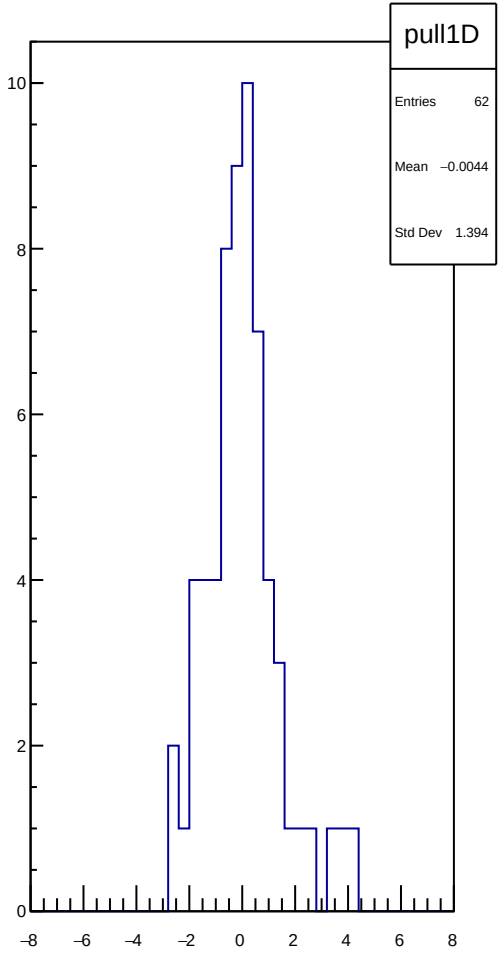

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.96 / 61
p0 −2.7 ± 1.273
pull
Entries 62
Mean 332.6
Std Dev 300.3

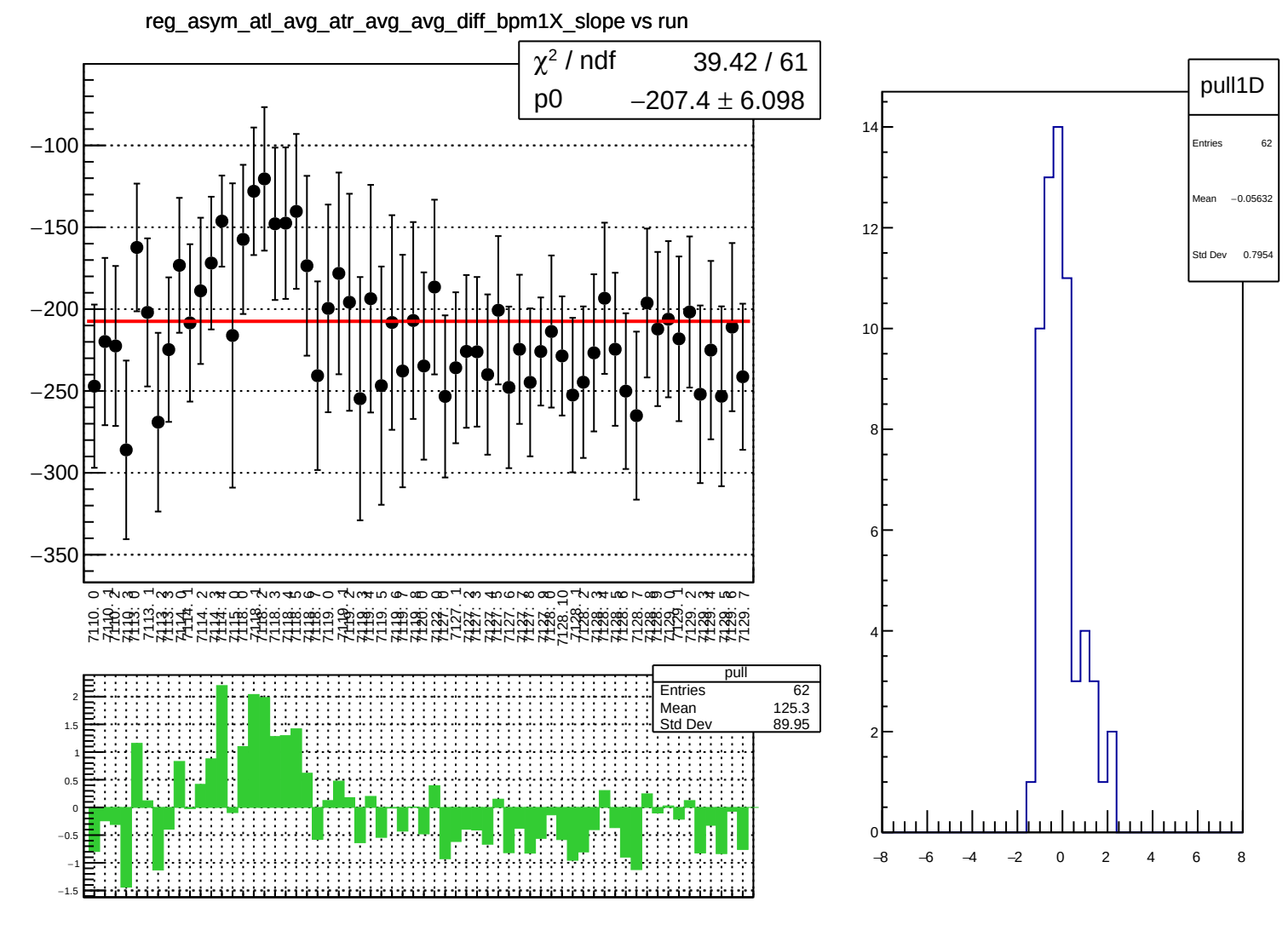

pull1D
Entries 62
Mean 0.01753
Std Dev 1.07

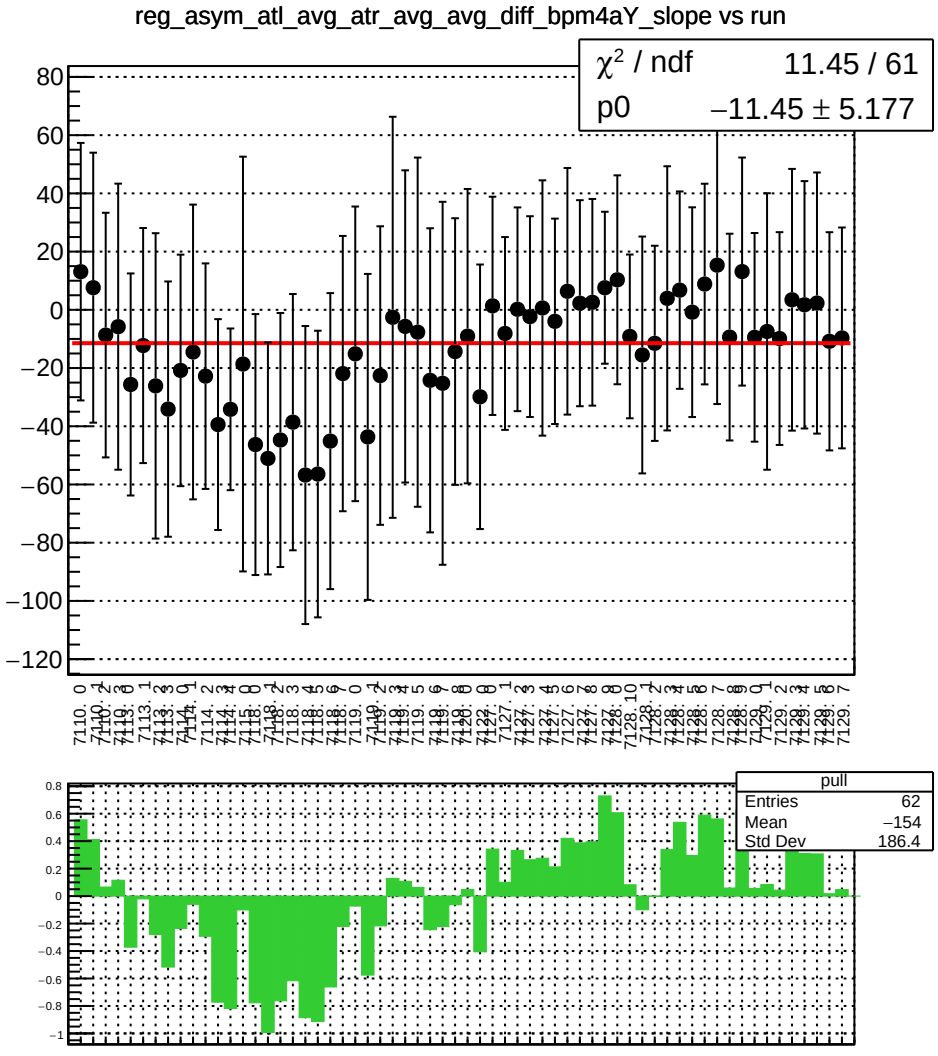

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 127.8 / 61
p0 40.05 ± 1.471
pull
Entries 62
Mean 94.27
Std Dev 56.21
pull1D
Entries 62
Mean 0.1336
Std Dev 1.43

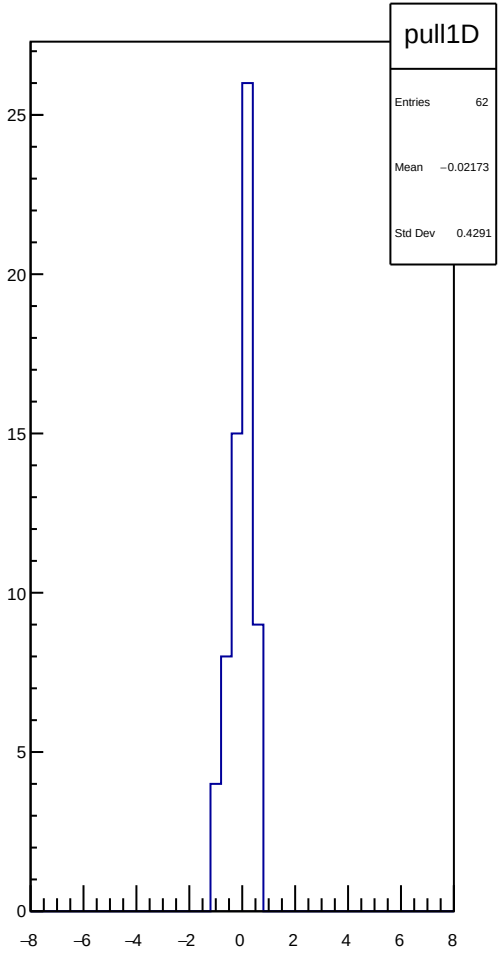

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.2 / 61
p0 −1.508 ± 1.345
pull
Entries 62
Mean 397.2
Std Dev 365
pull1D
Entries 62
Mean −0.0135
Std Dev 1.049

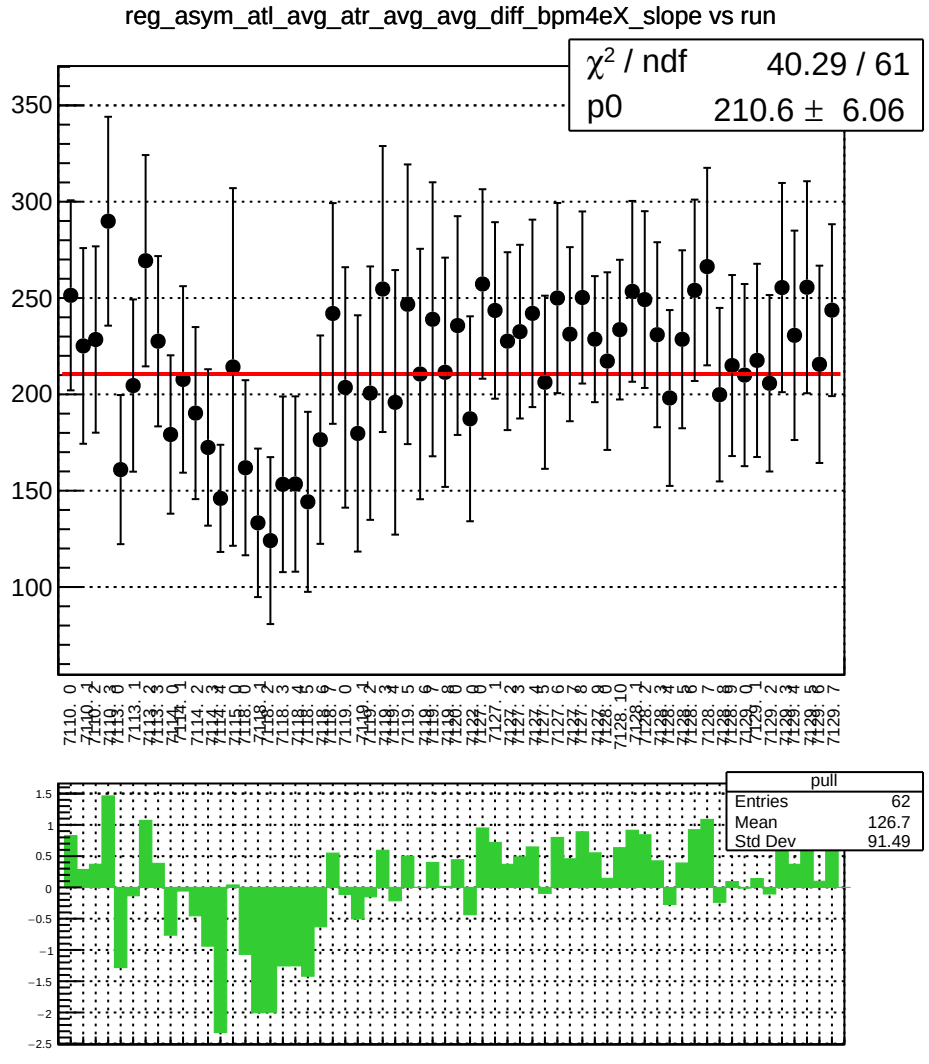

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 120.4 / 61
p0 8.416 ± 0.06117
pull
Entries 62
Mean 149.4
Std Dev 116.9

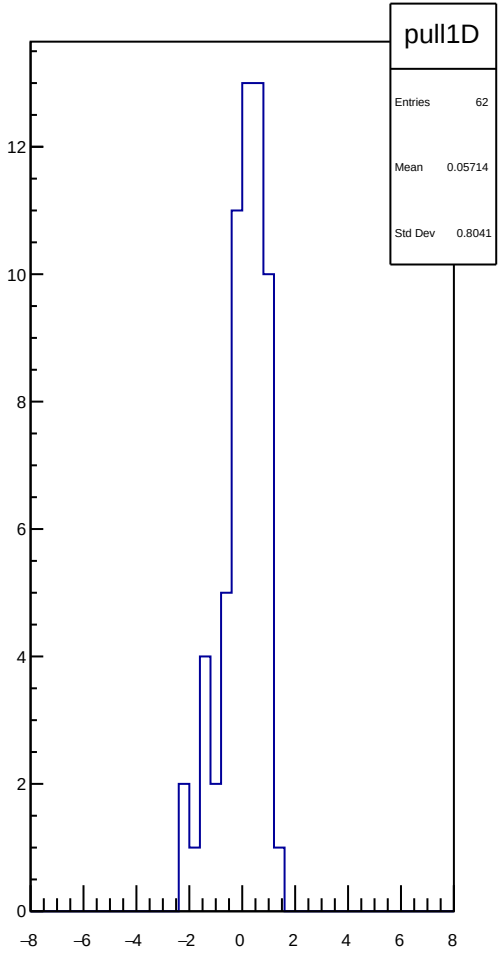

pull1D
Entries 62
Mean −0.0044
Std Dev 1.394

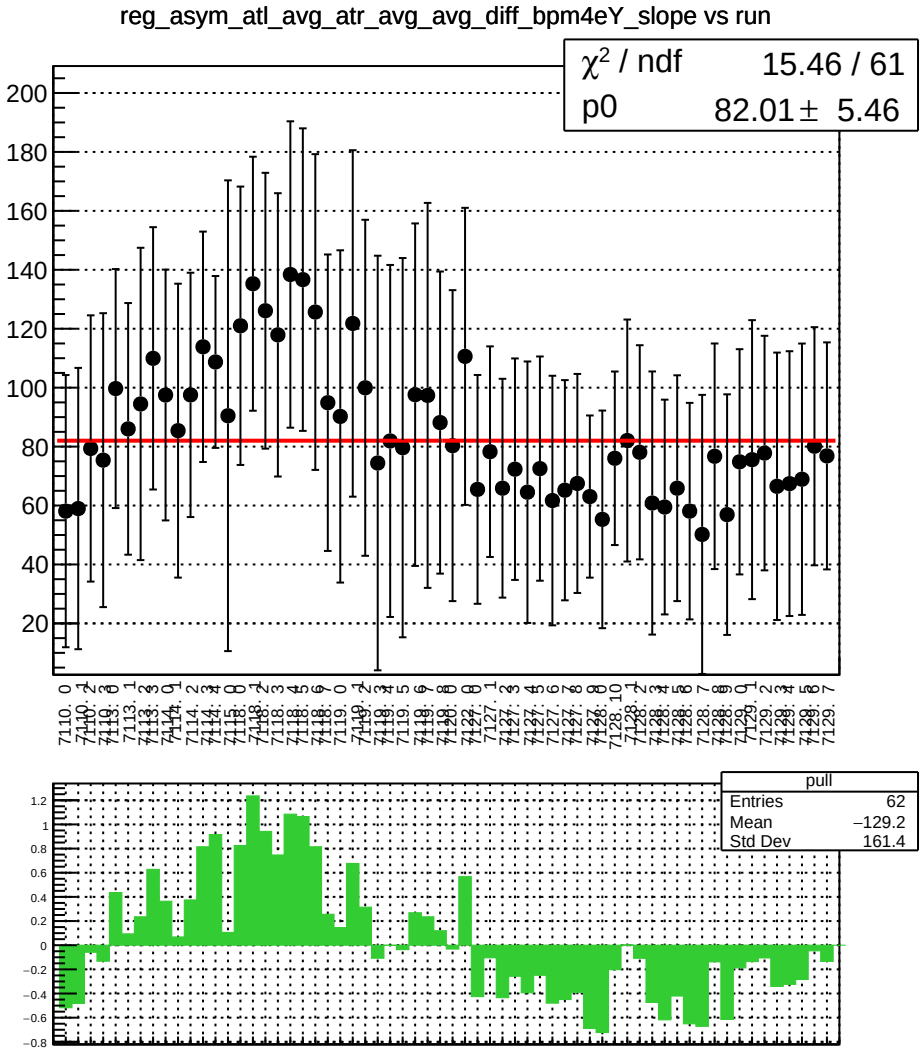

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 39.42 / 61
p0 −207.4 ± 6.098
pull
Entries 62
Mean 125.3
Std Dev 89.95
pull1D
Entries 62
Mean −0.05632
Std Dev 0.7954

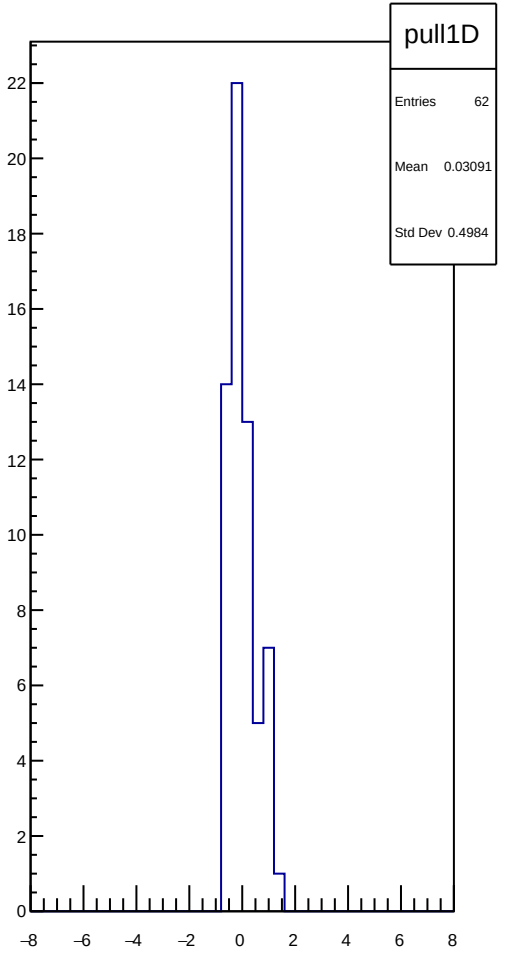

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.45 / 61
p0 −11.45 ± 5.177
pull
Entries 62
Mean −154
Std Dev 186.4

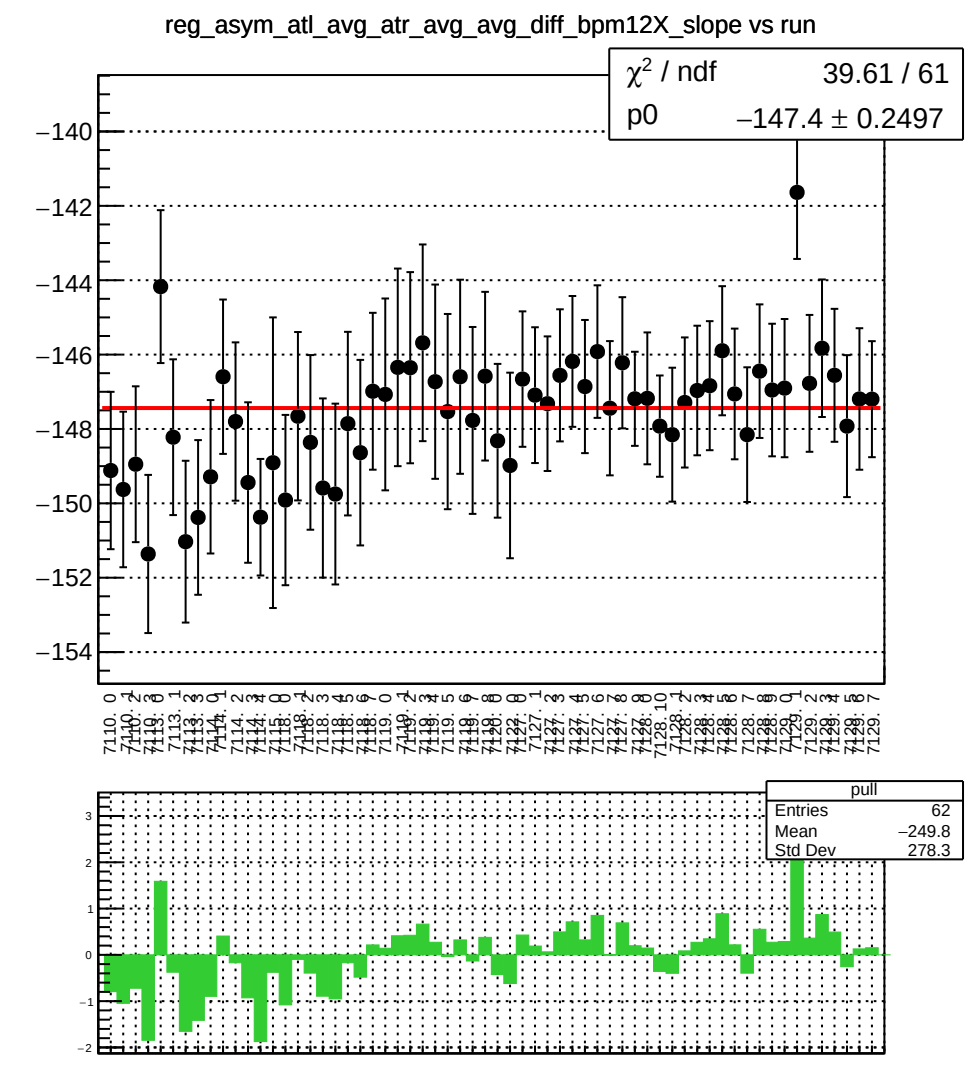

pull1D
Entries 62
Mean −0.02173
Std Dev 0.4291

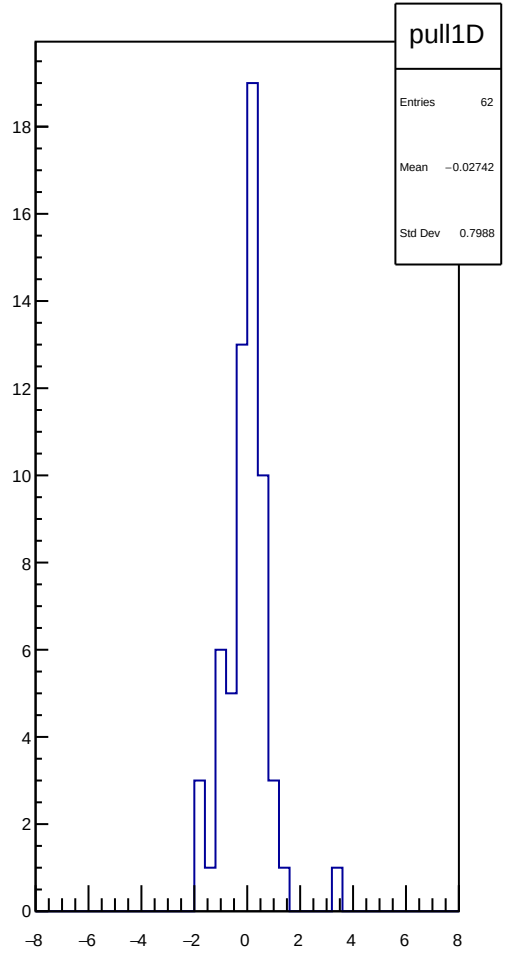

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.29 / 61
p0 210.6 ± 6.06
pull
Entries 62
Mean 126.7
Std Dev 91.49

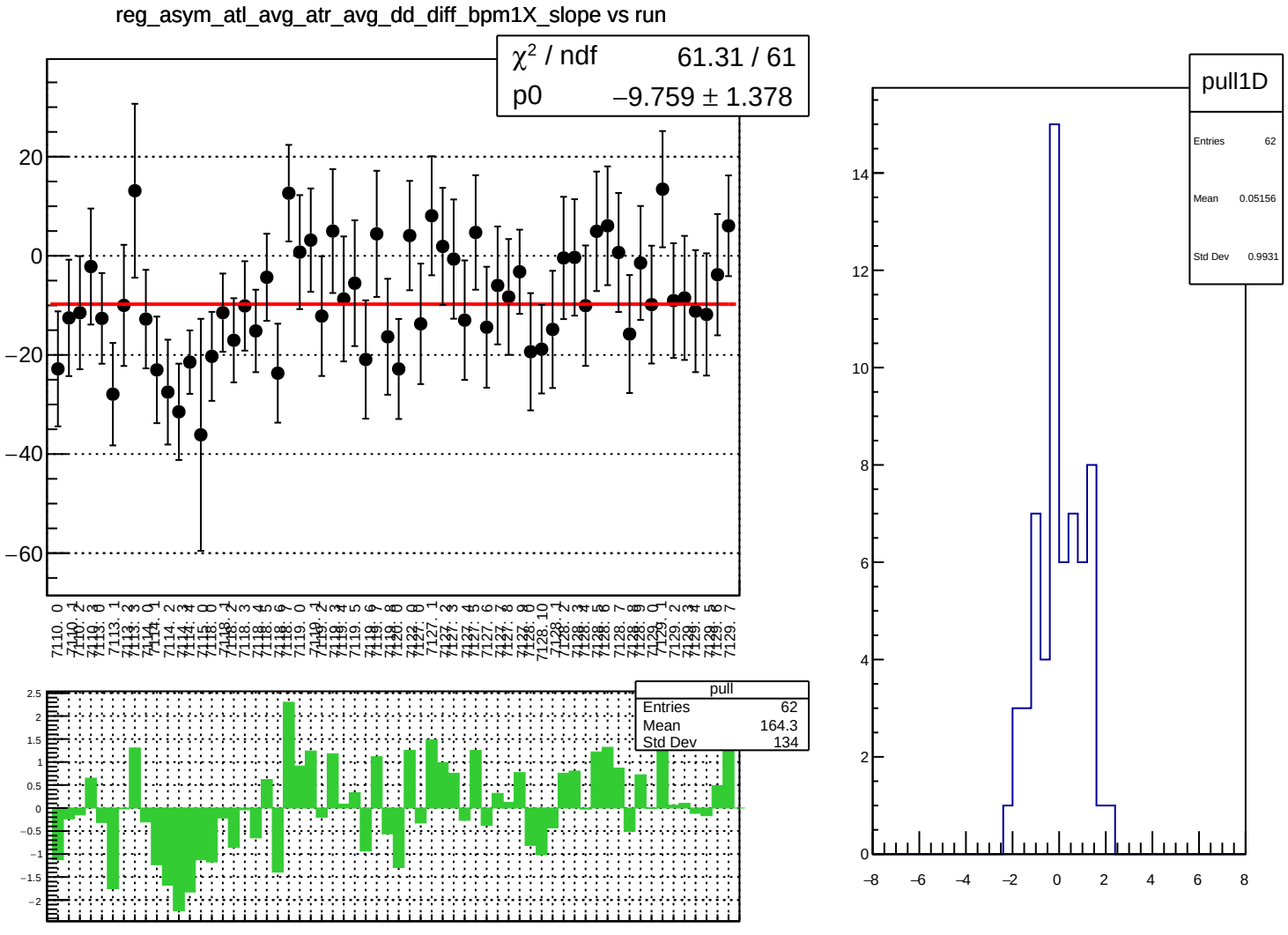

pull1D
Entries 62
Mean 0.05714
Std Dev 0.8041

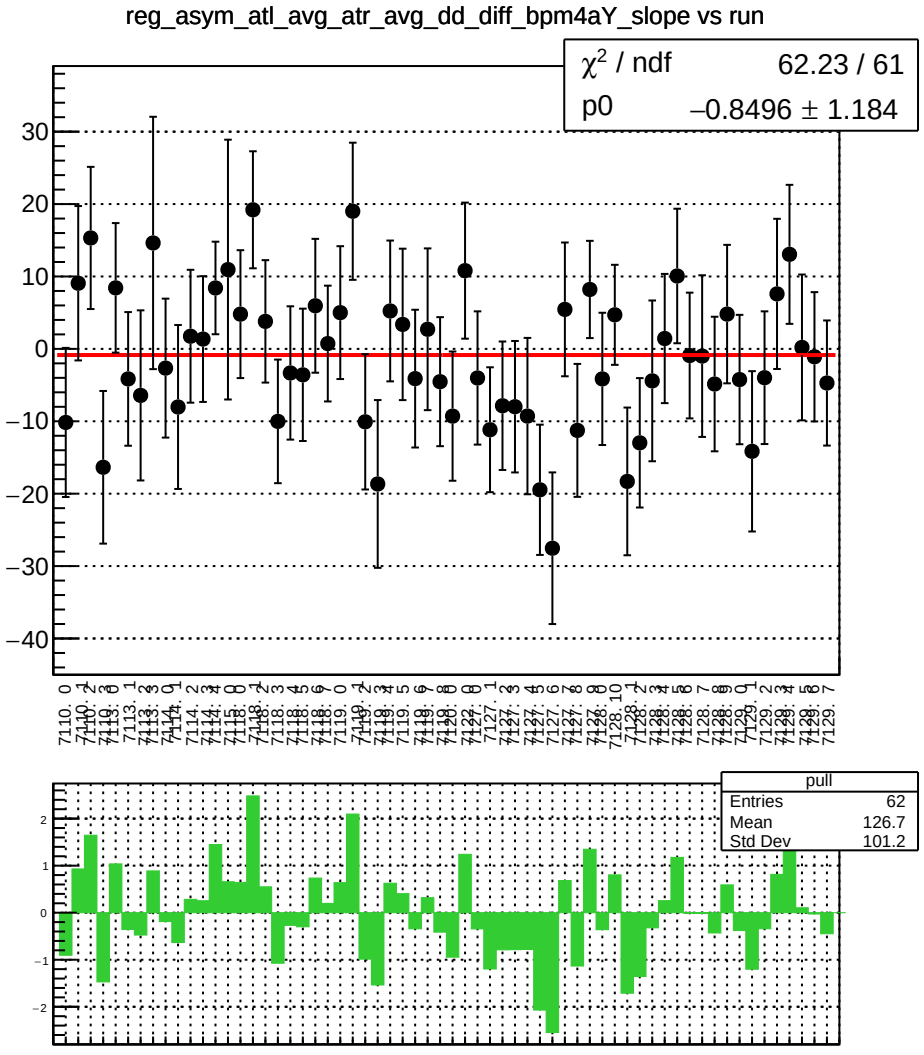

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.46 / 61
p0 82.01 ± 5.46
pull
Entries 62
Mean −129.2
Std Dev 161.4

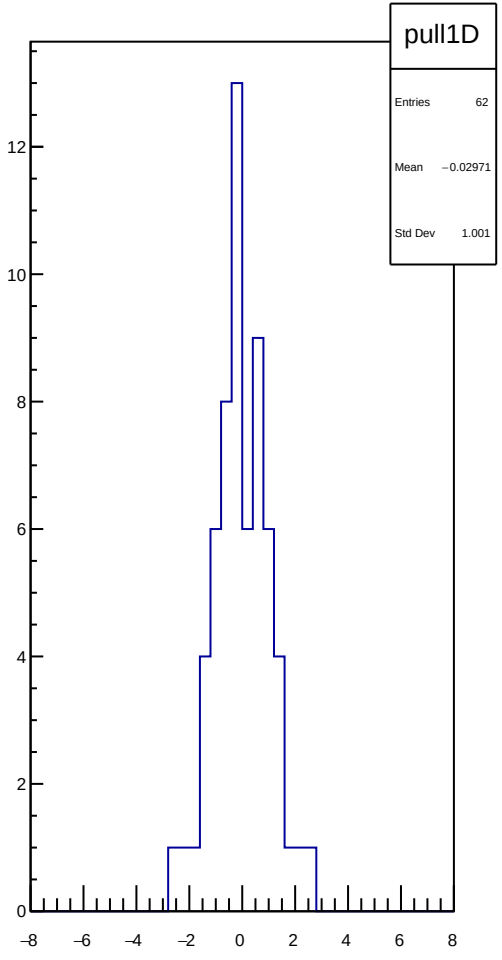

pull1D
Entries 62
Mean 0.03091
Std Dev 0.4984

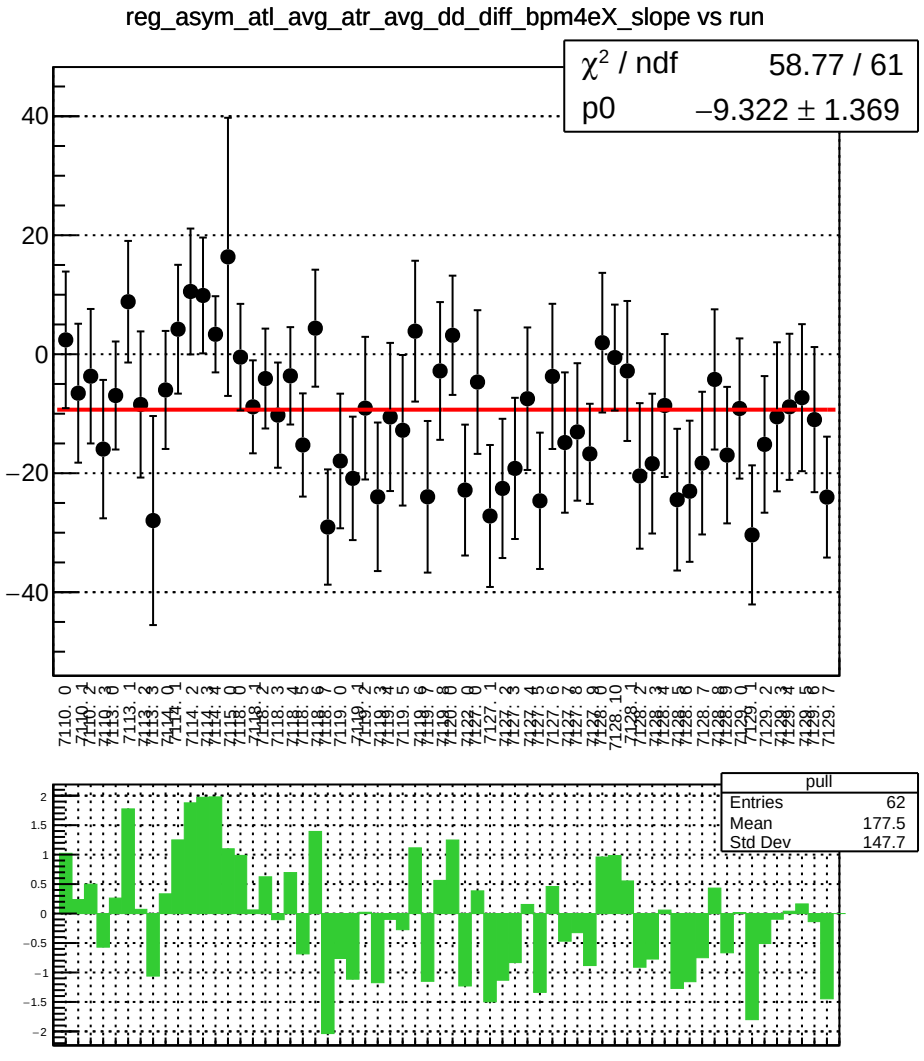

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 39.61 / 61
p0 −147.4 ± 0.2497
pull
Entries 62
Mean −249.8
Std Dev 278.3

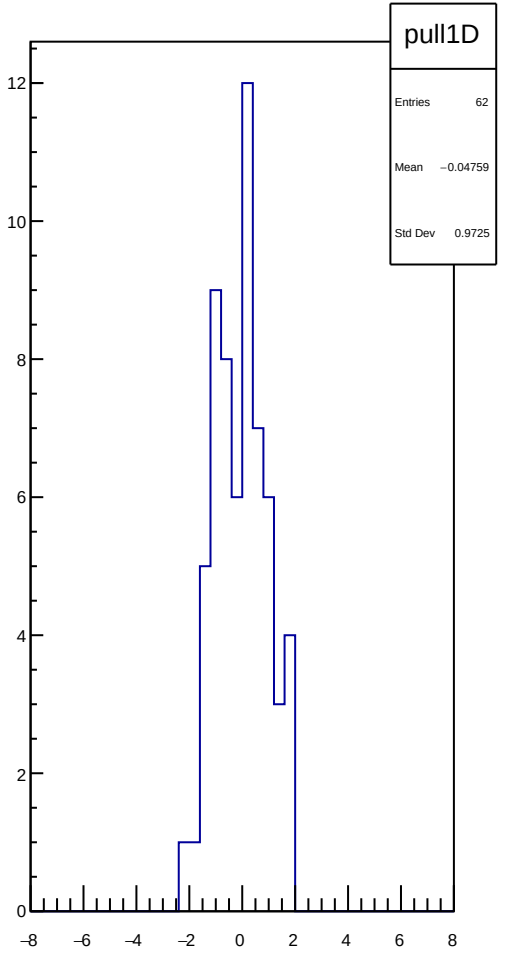

pull1D
Entries 62
Mean −0.02742
Std Dev 0.7988

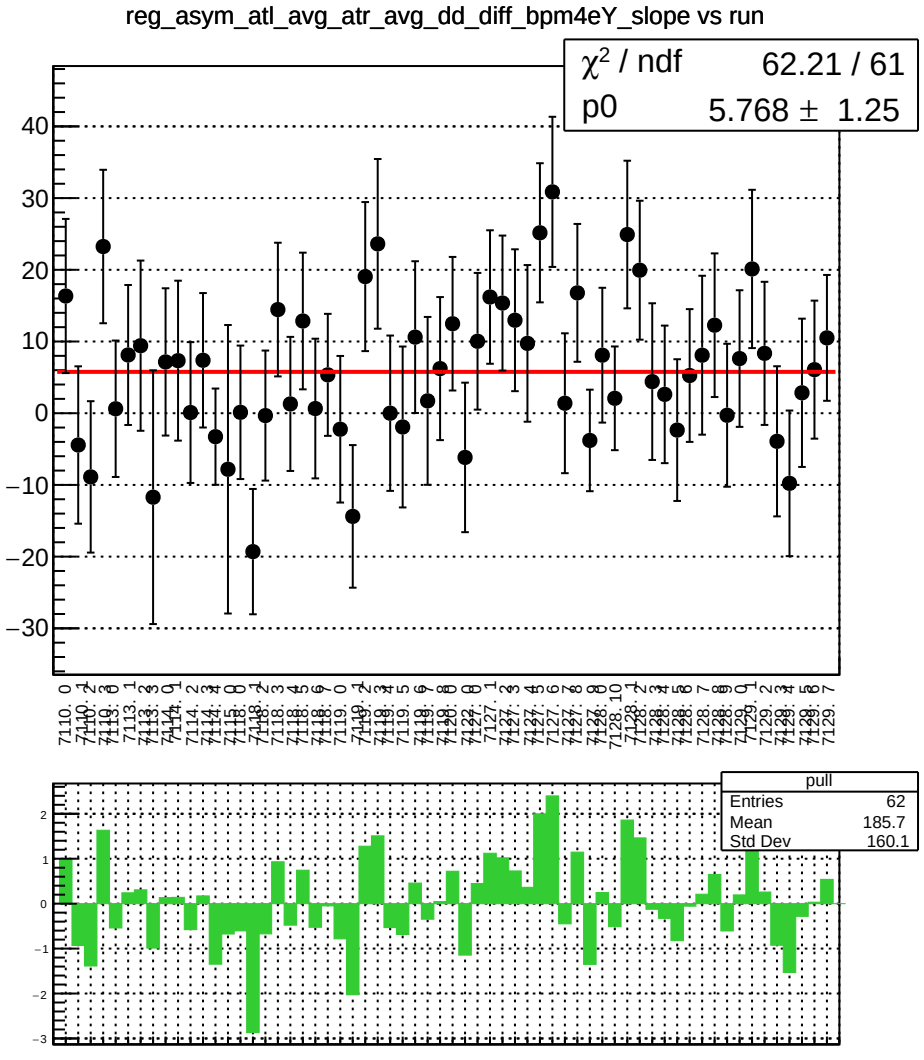

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 61.31 / 61
p0 −9.759 ± 1.378
pull
Entries 62
Mean 164.3
Std Dev 134
pull1D
Entries 62
Mean 0.05156
Std Dev 0.9931

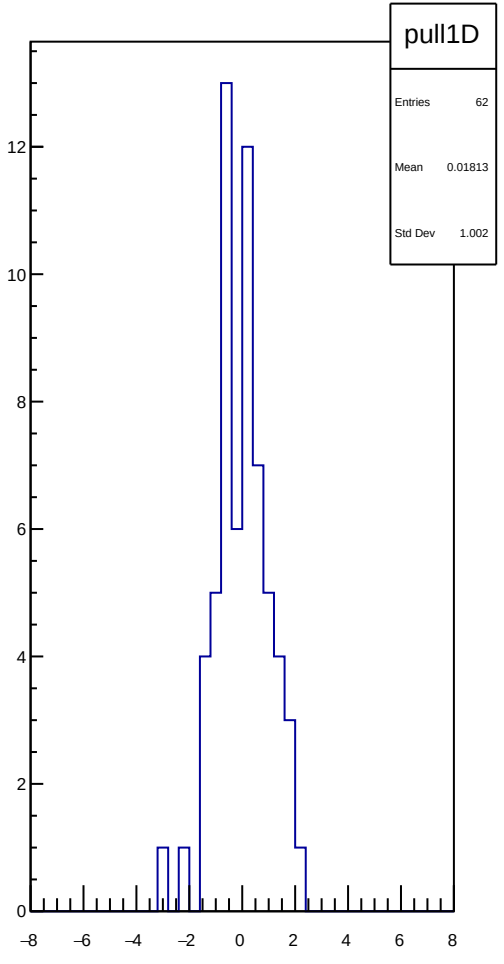

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.23 / 61
p0 −0.8496 ± 1.184
pull
Entries 62
Mean 126.7
Std Dev 101.2

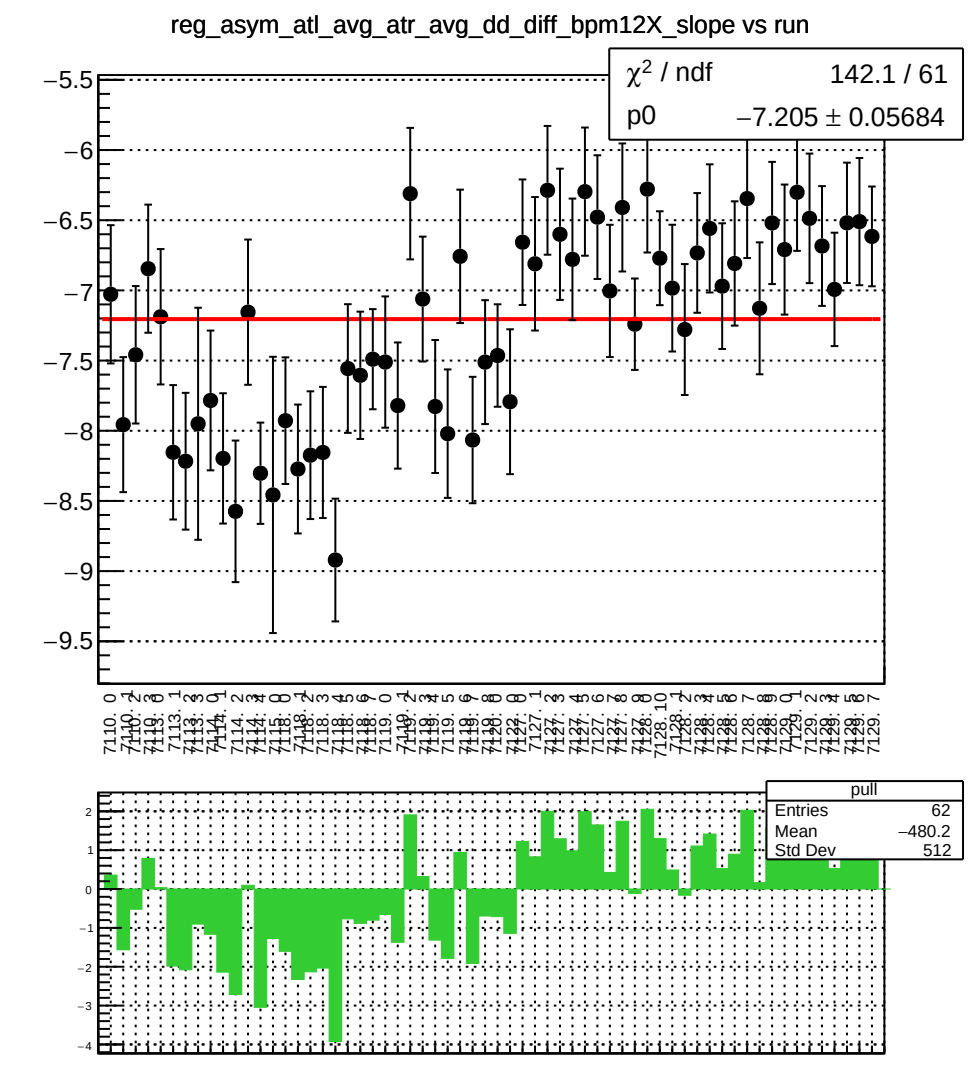

pull1D
Entries 62
Mean −0.02971
Std Dev 1.001

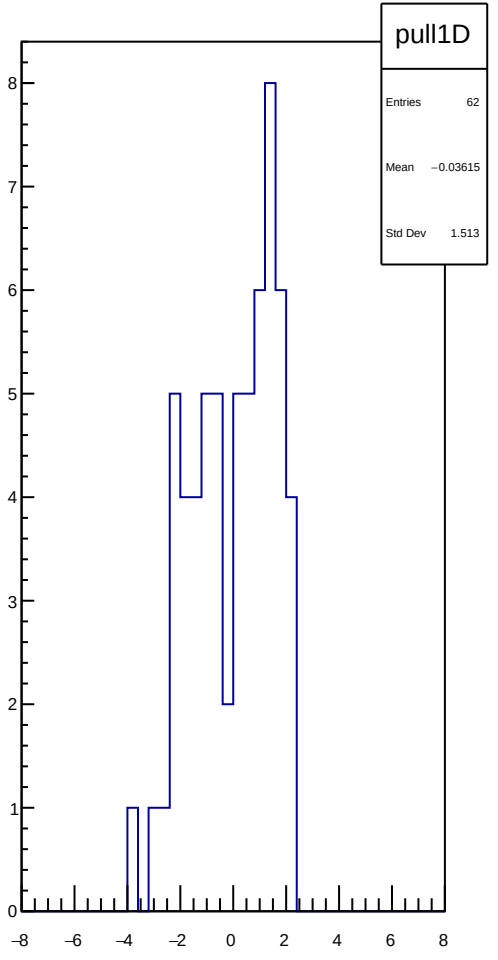

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.77 / 61
p0 −9.322 ± 1.369
pull
Entries 62
Mean 177.5
Std Dev 147.7

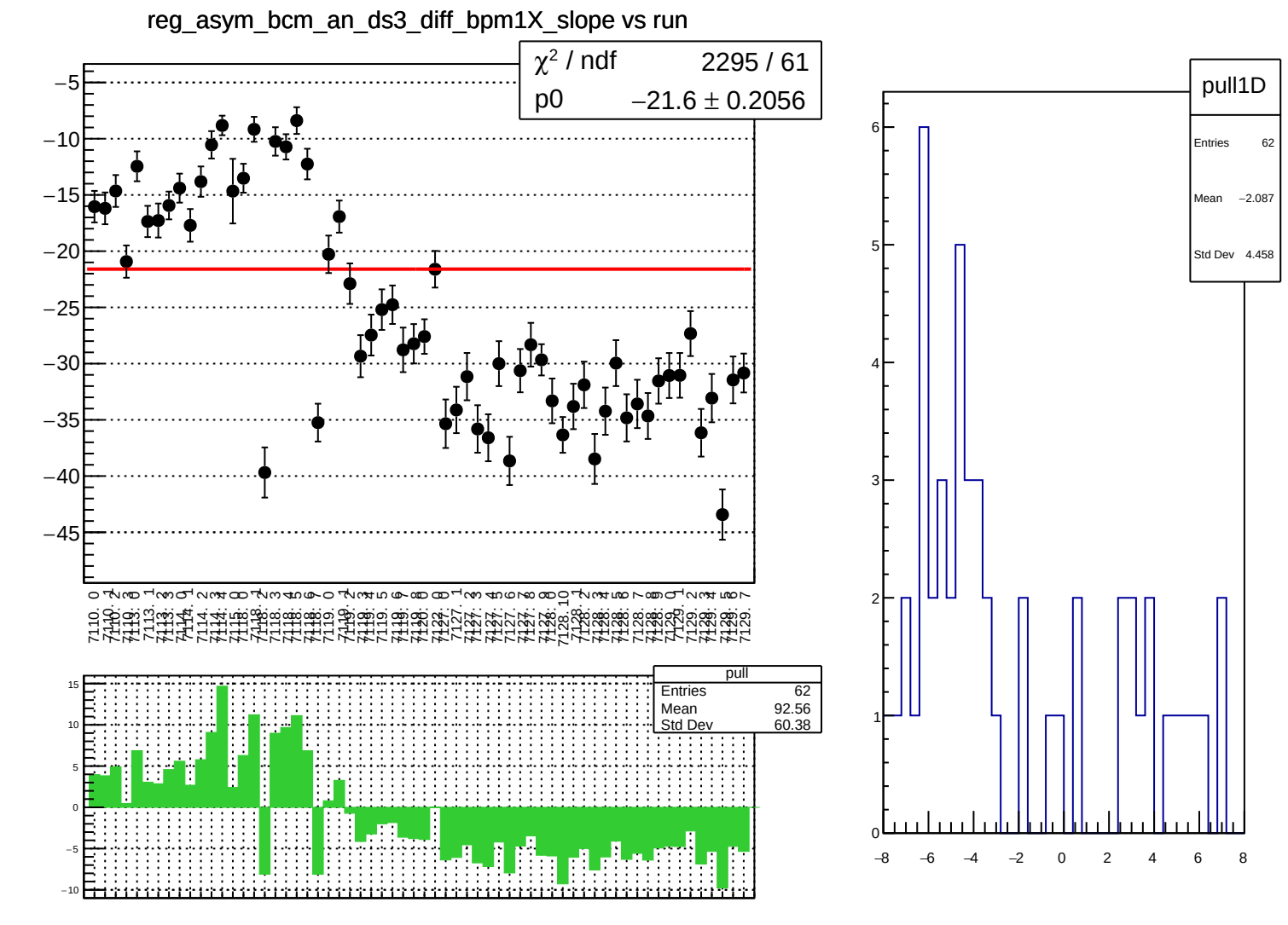

pull1D
Entries 62
Mean −0.04759
Std Dev 0.9725

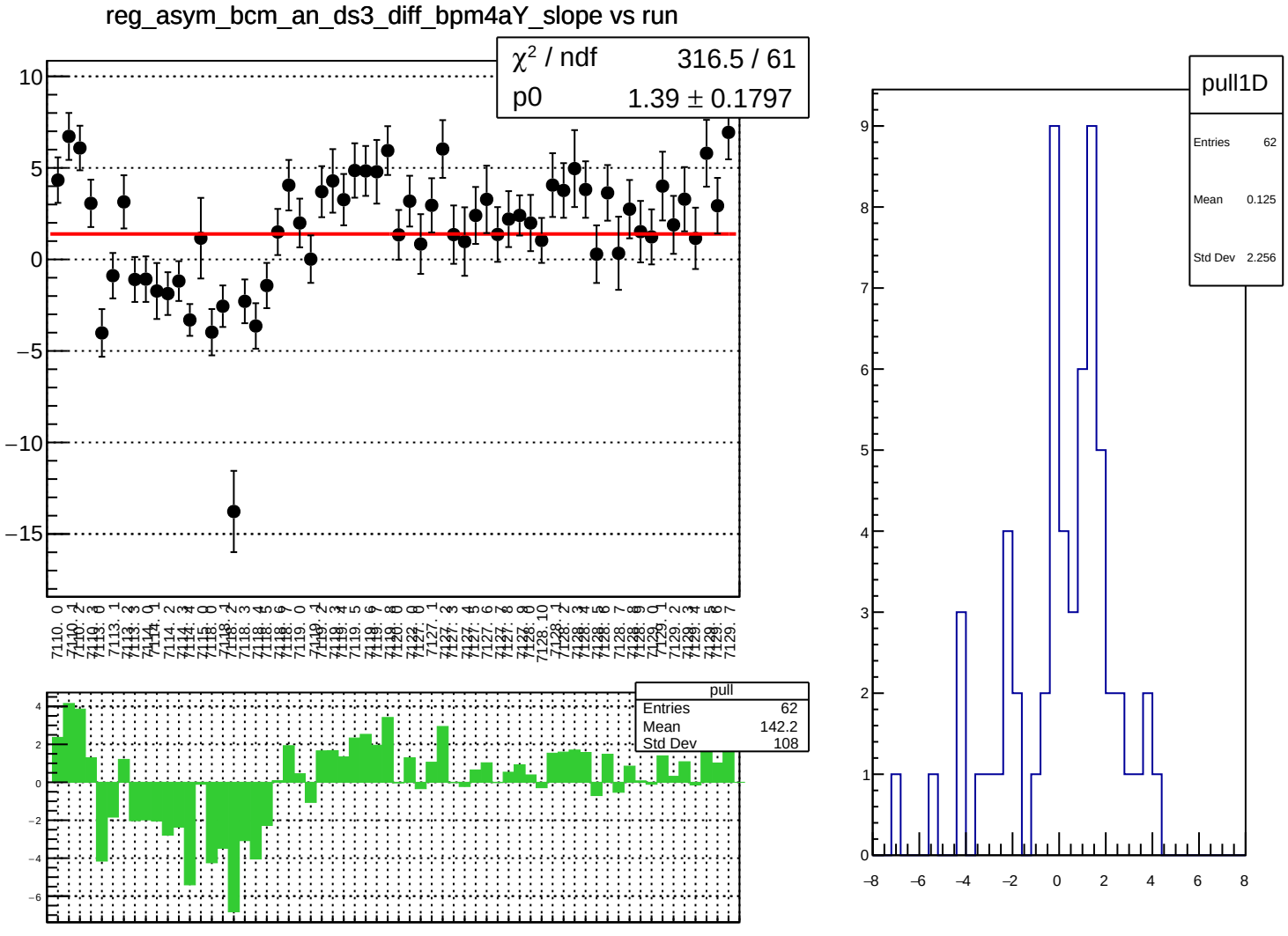

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.21 / 61
p0 5.768 ± 1.25
pull
Entries 62
Mean 185.7
Std Dev 160.1

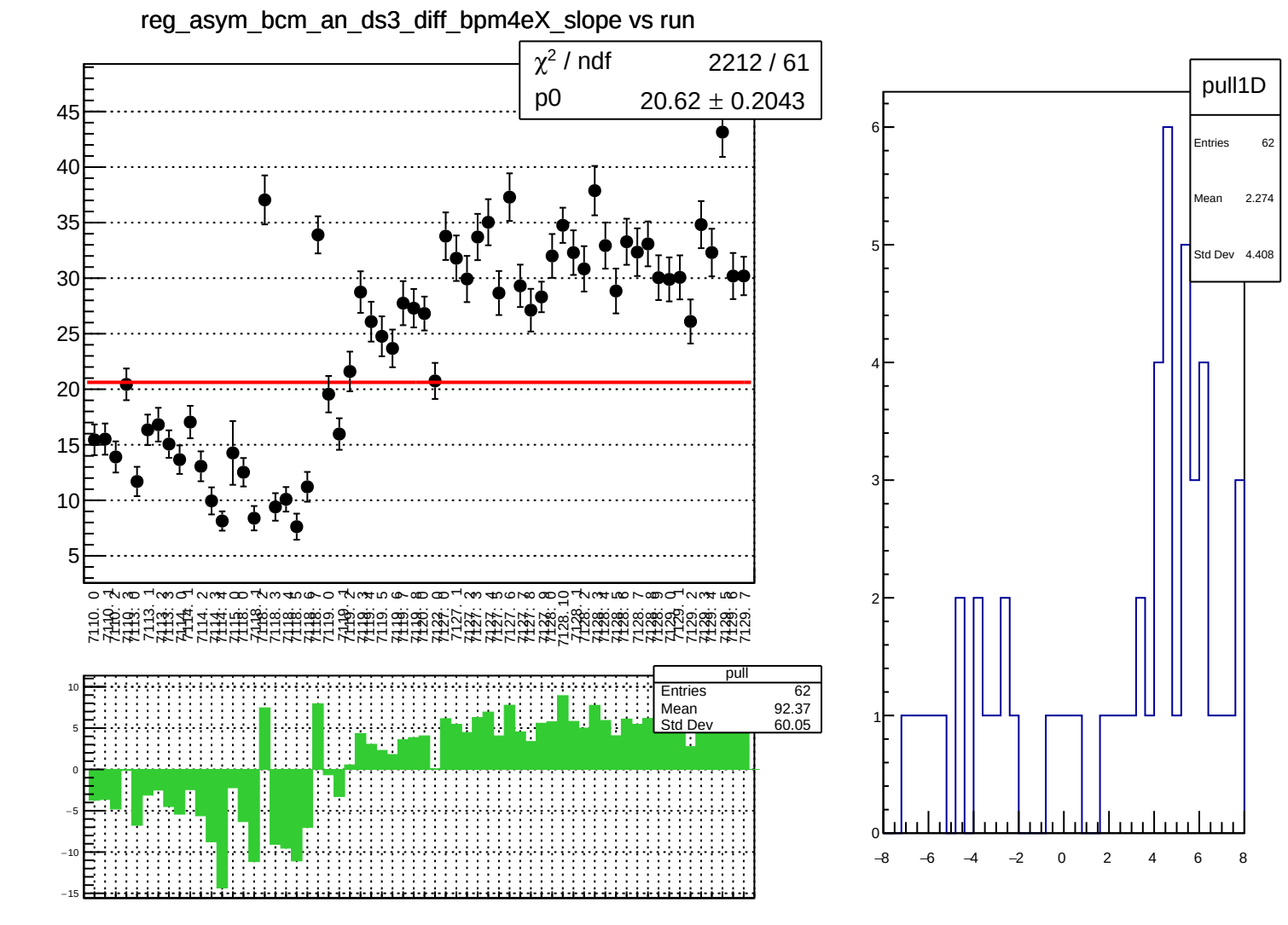

pull1D
Entries 62
Mean 0.01813
Std Dev 1.002

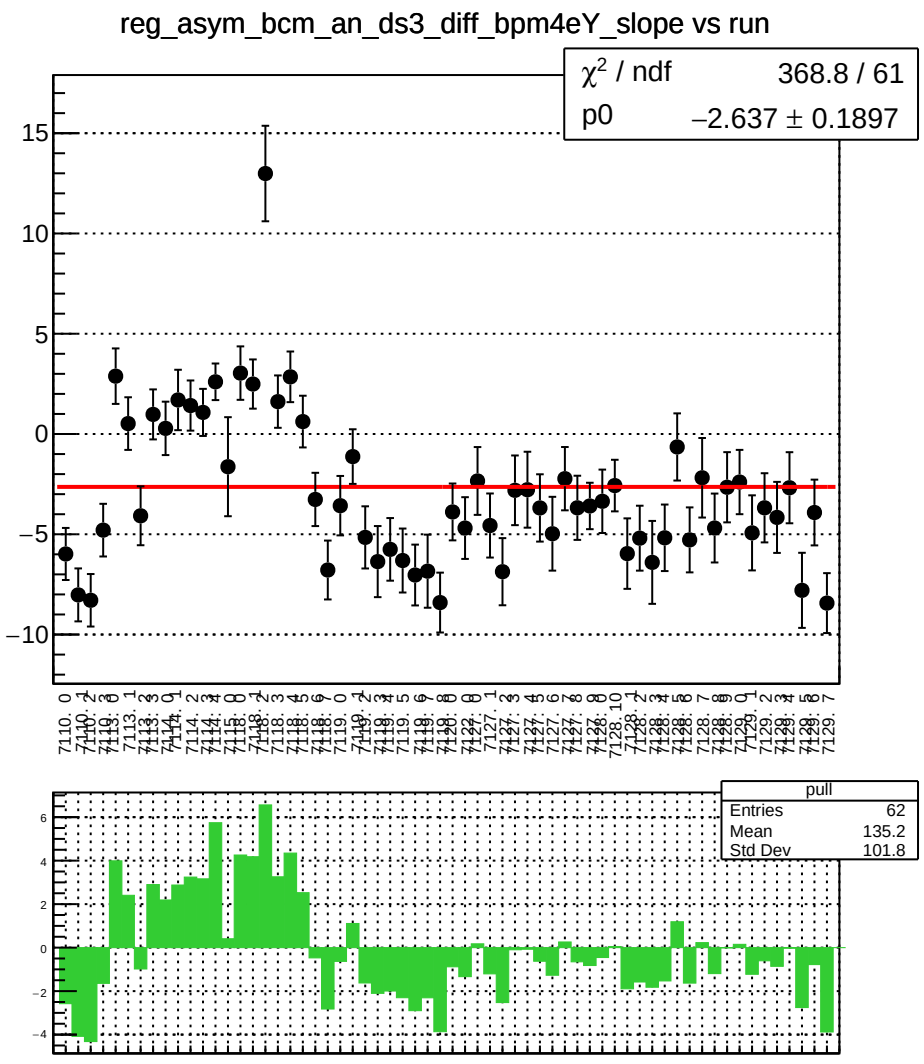

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 142.1 / 61
p0 −7.205 ± 0.05684
pull
Entries 62
Mean −480.2
Std Dev 512

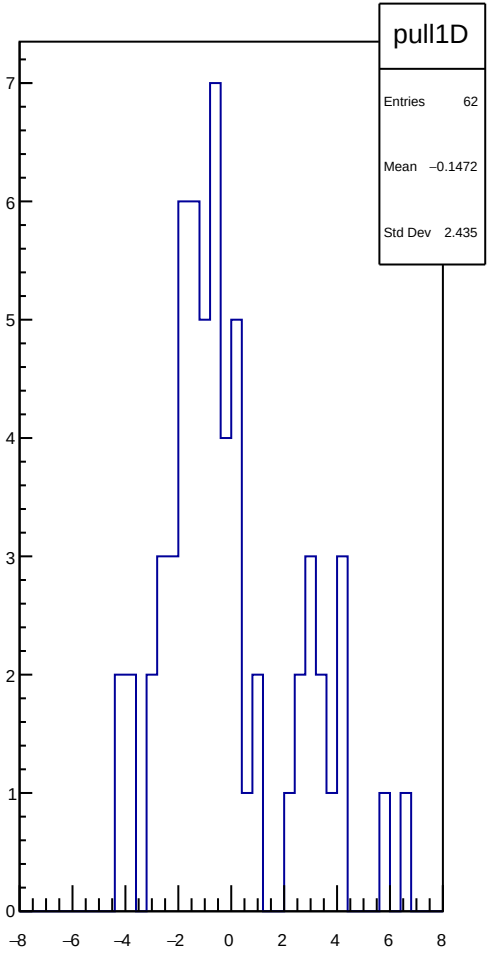

pull1D
Entries 62
Mean −0.03615
Std Dev 1.513

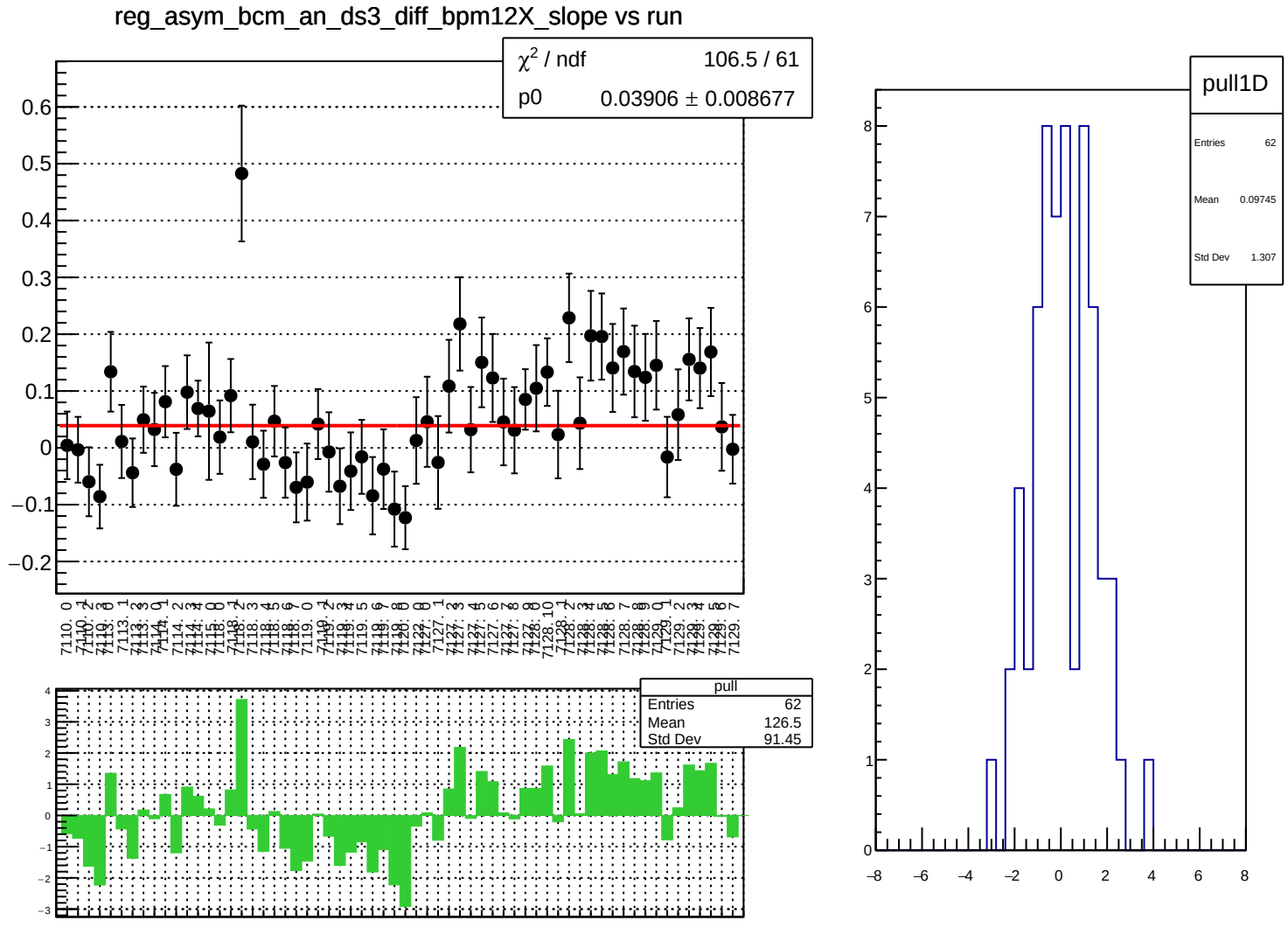

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2295 / 61
p0 −21.6 ± 0.2056
pull
Entries 62
Mean 92.56
Std Dev 60.38
pull1D
Entries 62
Mean −2.087
Std Dev 4.458

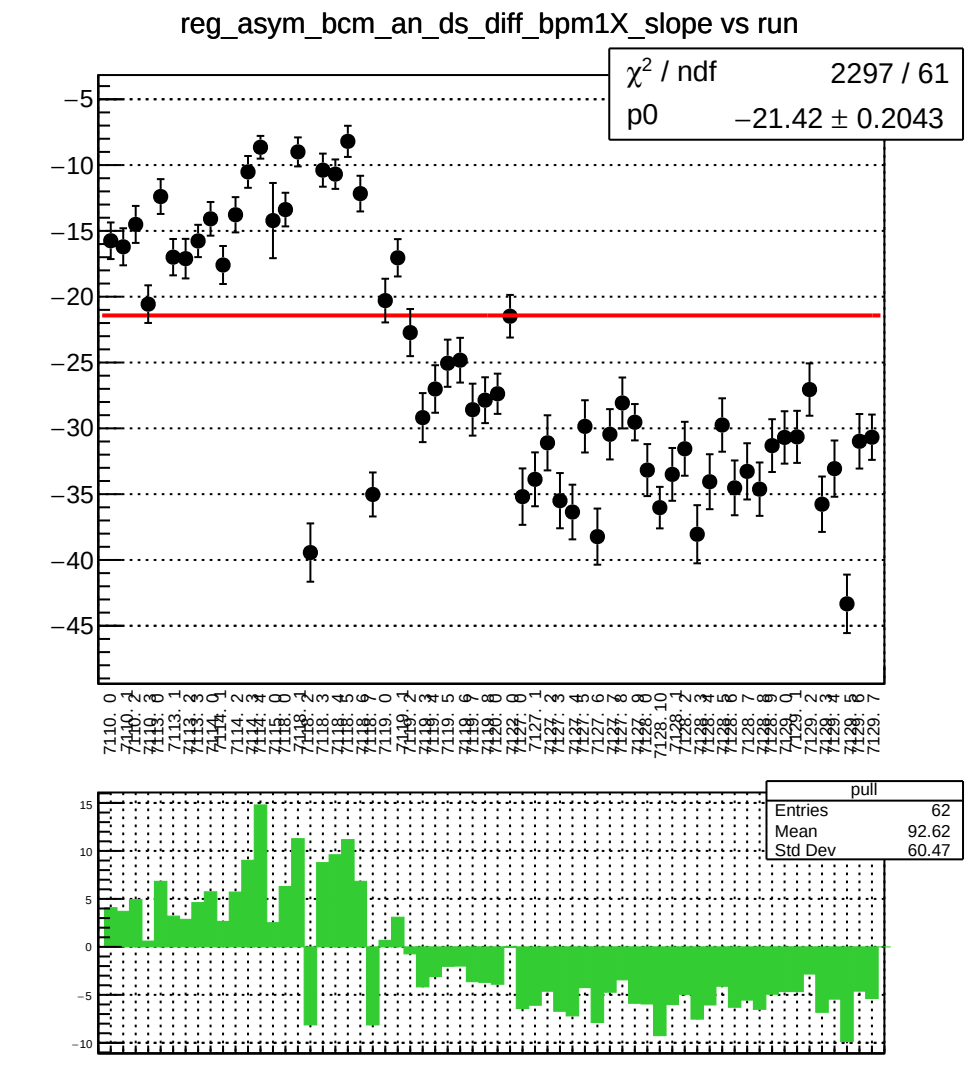

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 316.5 / 61
p0 1.39 ± 0.1797
pull
Entries 62
Mean 142.2
Std Dev 108
pull1D
Entries 62
Mean 0.125
Std Dev 2.256

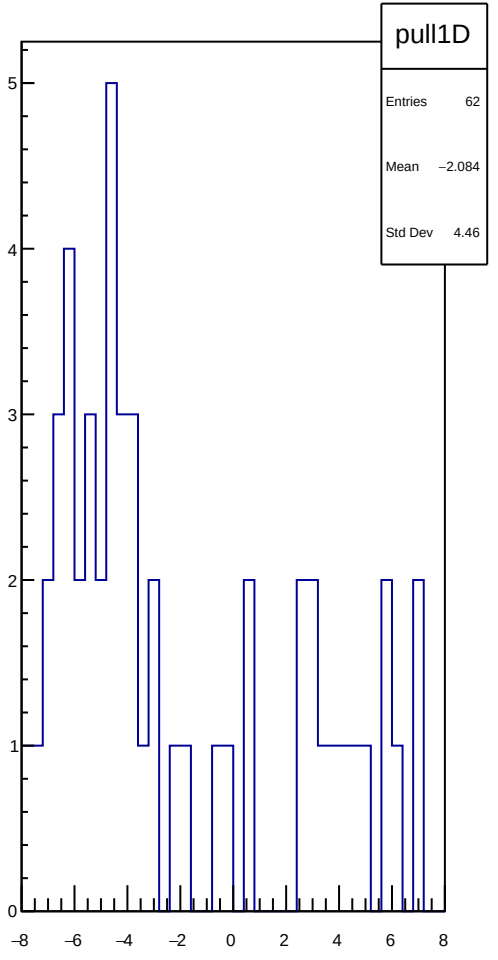

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2212 / 61
p0 20.62 ± 0.2043
pull
Entries 62
Mean 92.37
Std Dev 60.05
pull1D
Entries 62
Mean 2.274
Std Dev 4.408

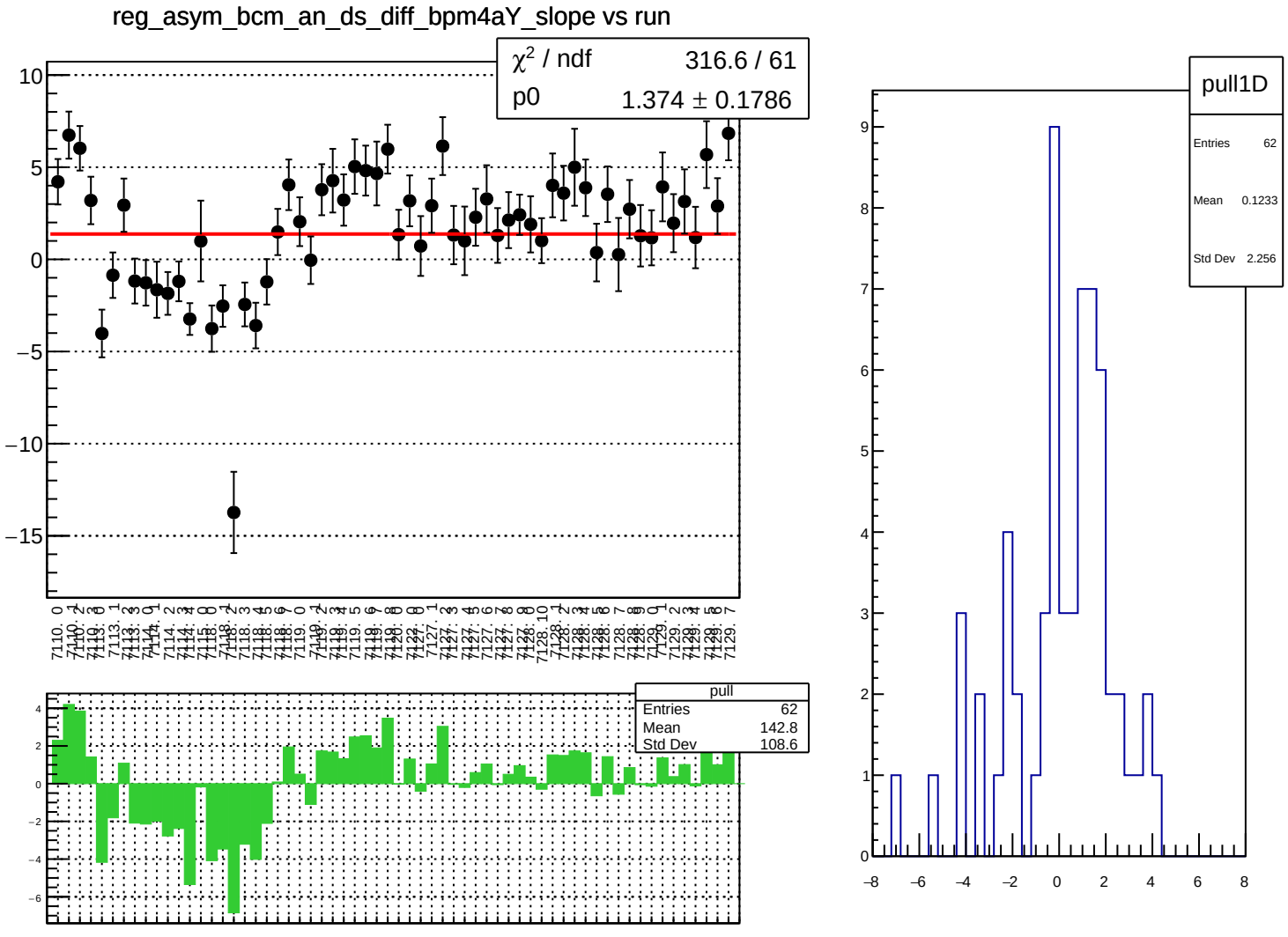

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 368.8 / 61
p0 −2.637 ± 0.1897
pull
Entries 62
Mean 135.2
Std Dev 101.8

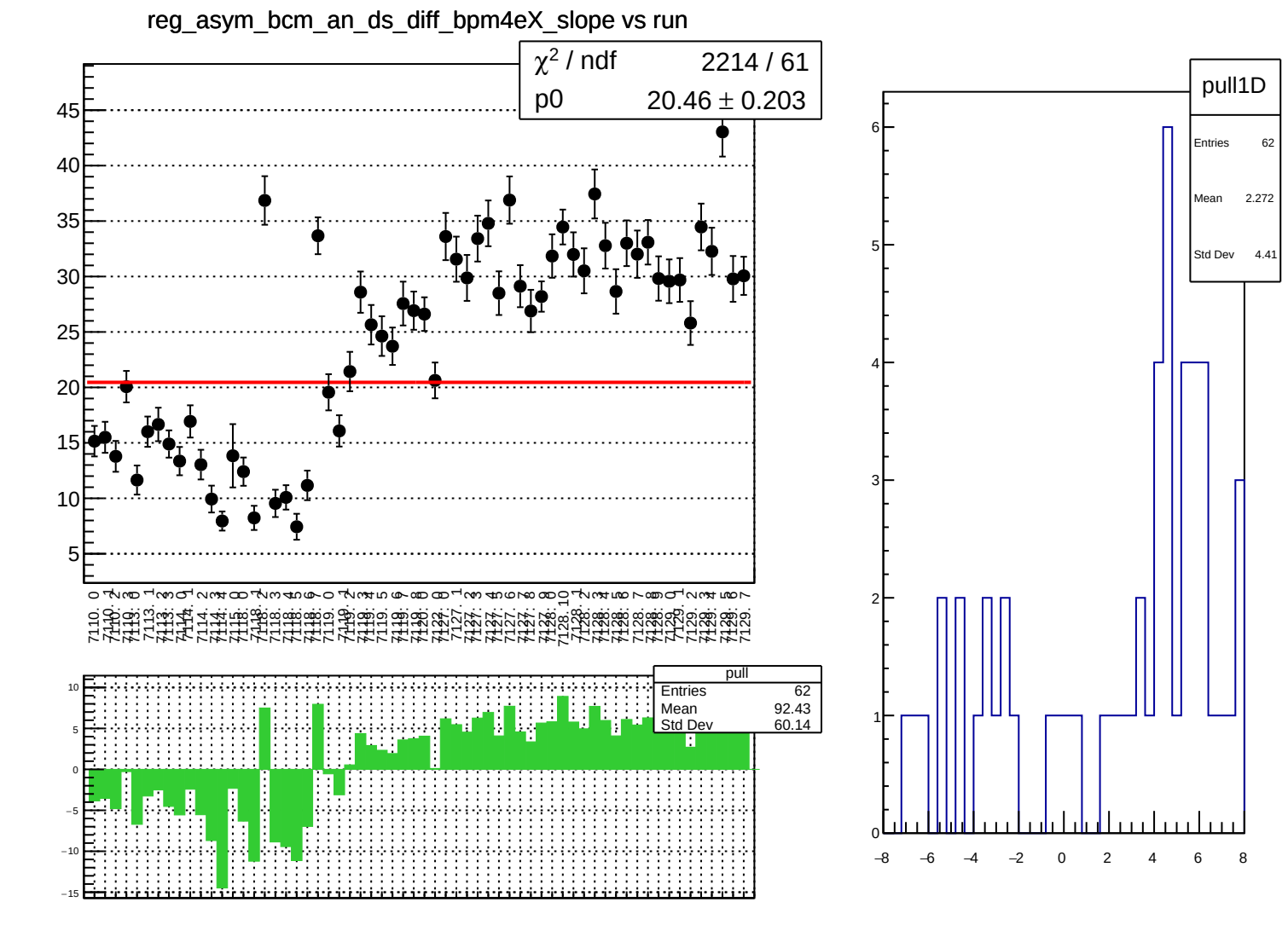

pull1D
Entries 62
Mean −0.1472
Std Dev 2.435

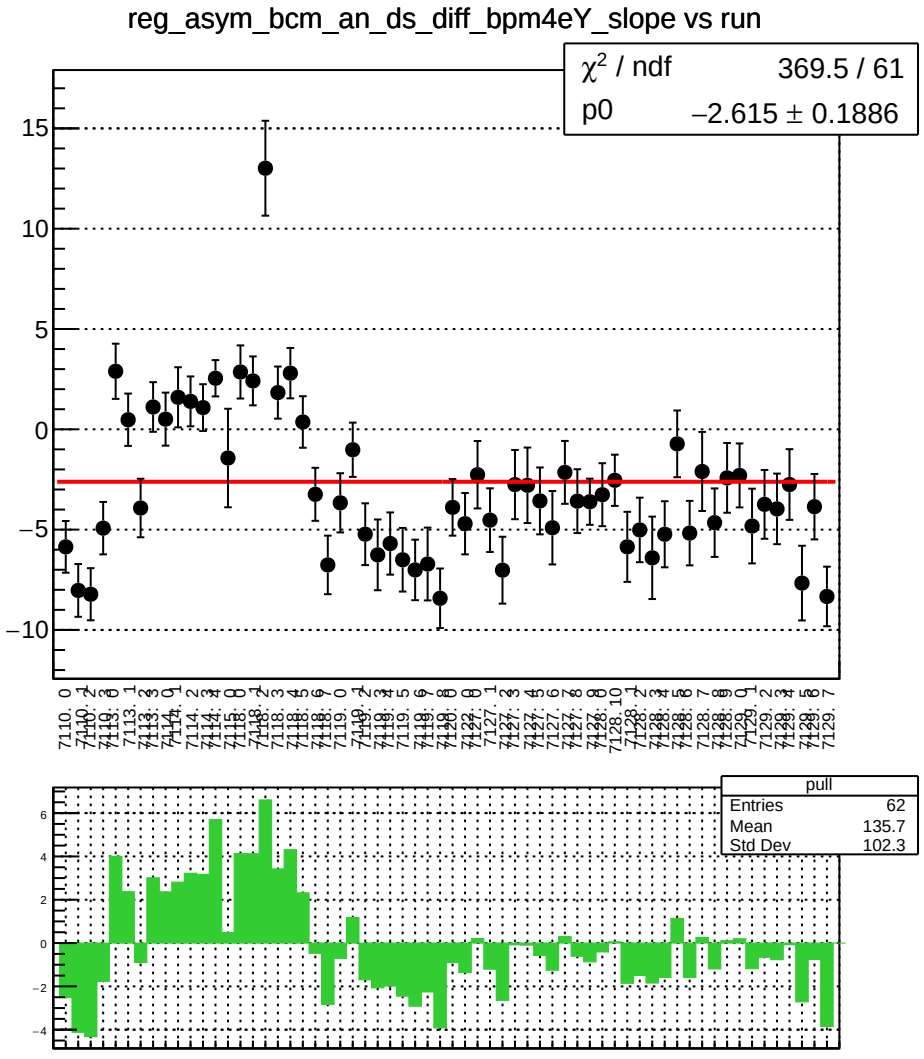

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 106.5 / 61
p0 0.03906 ± 0.008677
pull
Entries 62
Mean 126.5
Std Dev 91.45
pull1D
Entries 62
Mean 0.09745
Std Dev 1.307

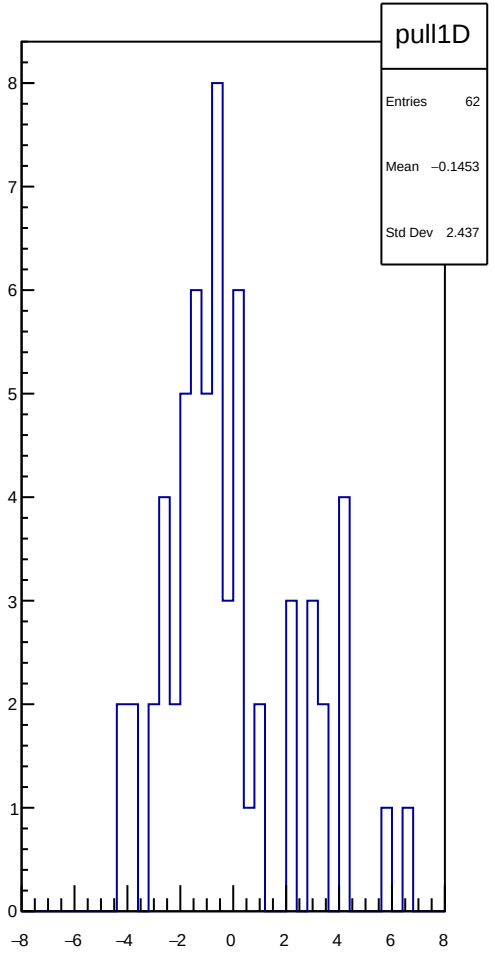

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 2297 / 61
p0 −21.42 ± 0.2043
pull
Entries 62
Mean 92.62
Std Dev 60.47

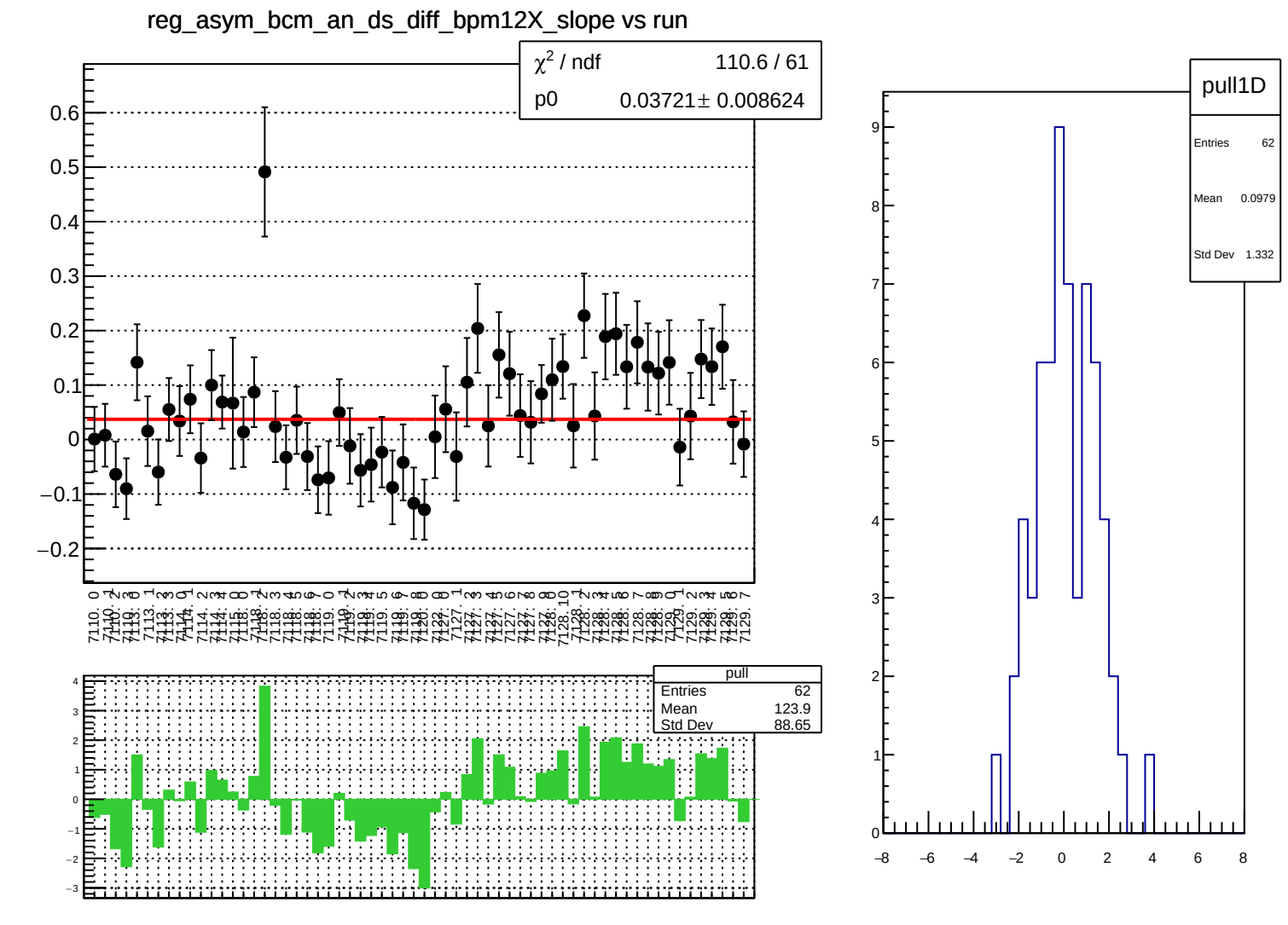

pull1D
Entries 62
Mean −2.084
Std Dev 4.46

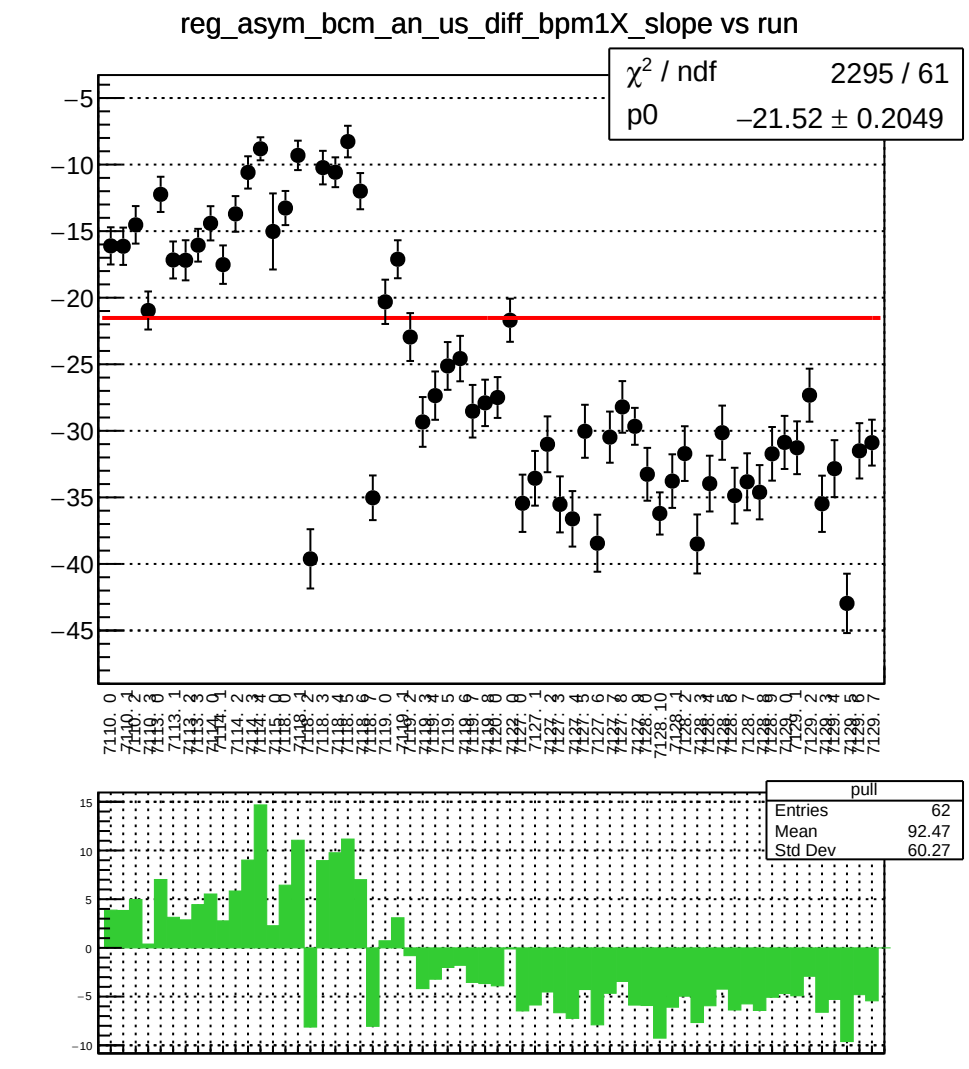

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 316.6 / 61
p0 1.374 ± 0.1786
pull
Entries 62
Mean 142.8
Std Dev 108.6
pull1D
Entries 62
Mean 0.1233
Std Dev 2.256

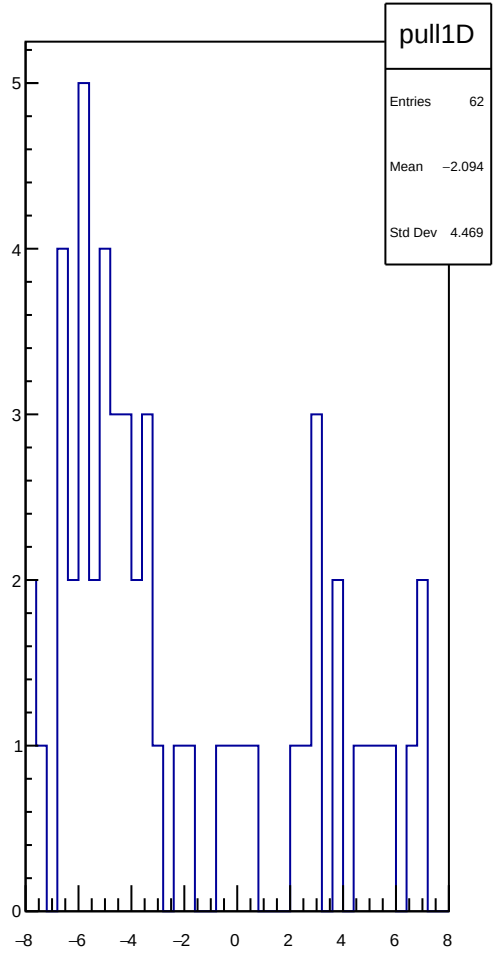

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2214 / 61
p0 20.46 ± 0.203
pull
Entries 62
Mean 92.43
Std Dev 60.14
pull1D
Entries 62
Mean 2.272
Std Dev 4.41

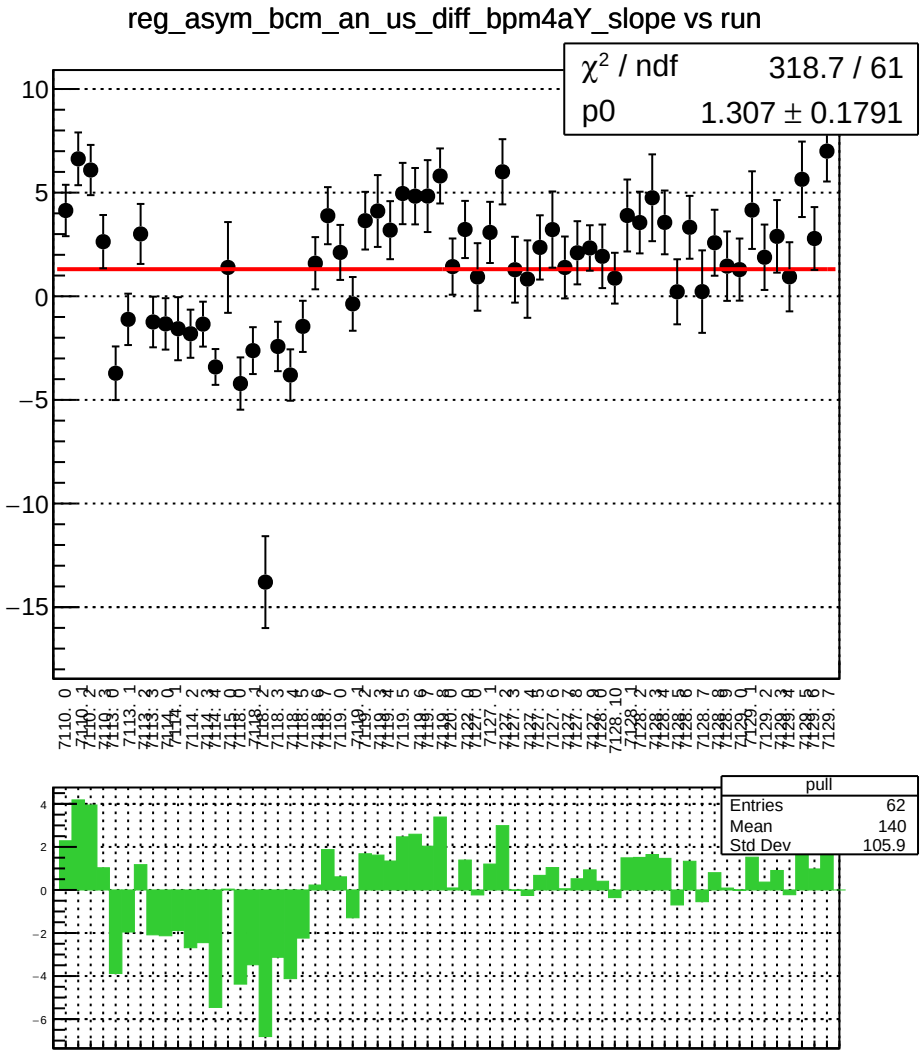

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 369.5 / 61
p0 −2.615 ± 0.1886
pull
Entries 62
Mean 135.7
Std Dev 102.3

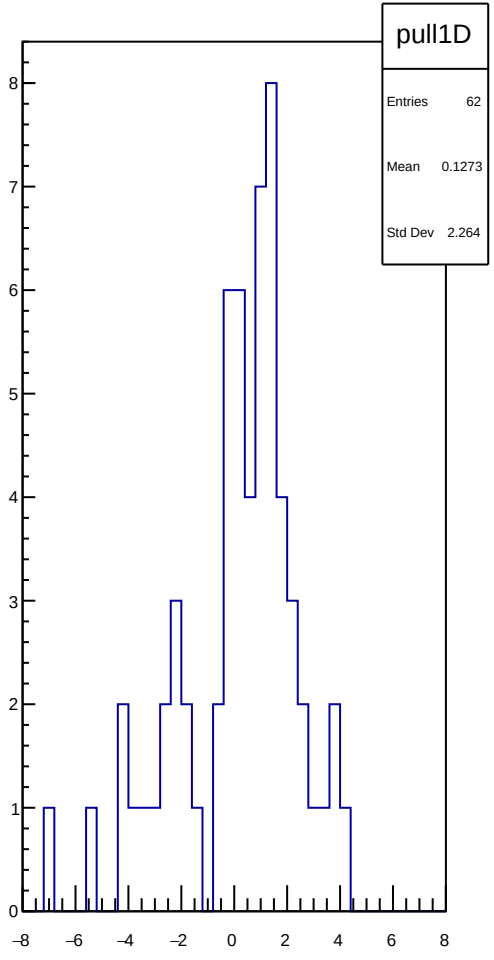

pull1D
Entries 62
Mean −0.1453
Std Dev 2.437

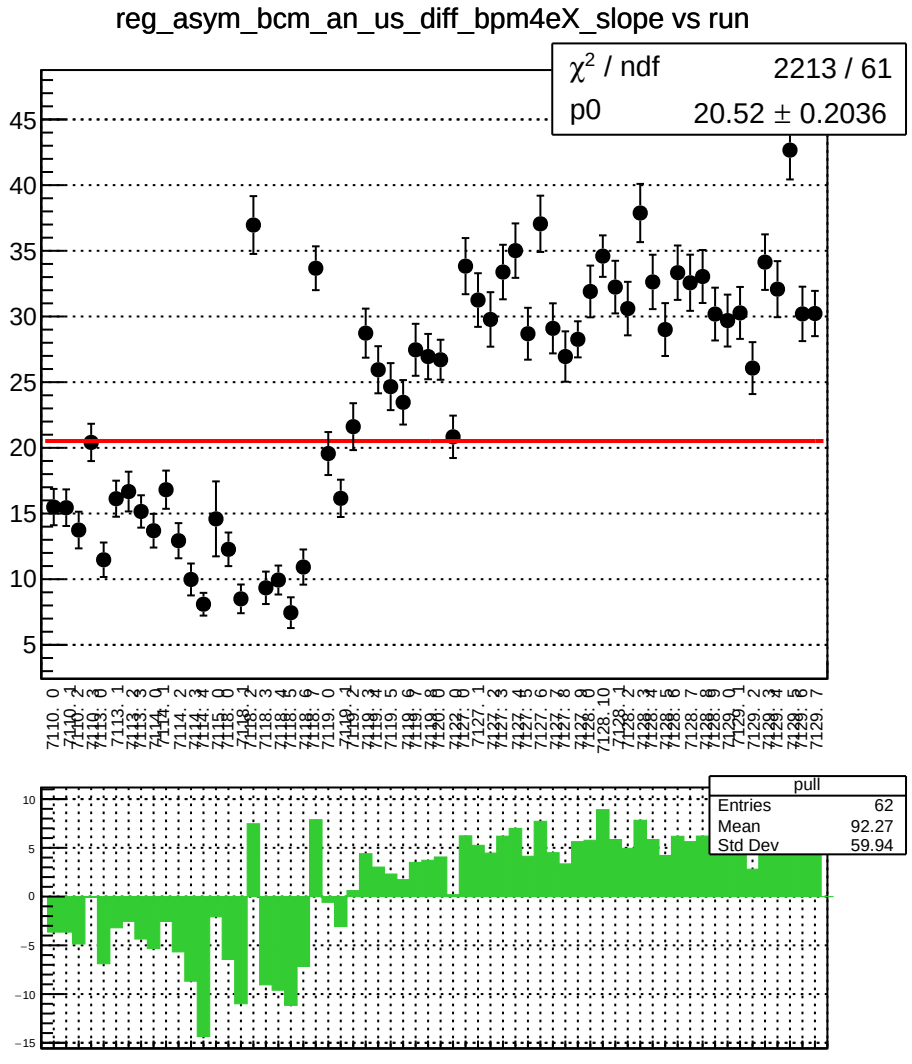

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 110.6 / 61
p0 0.03721± 0.008624
pull
Entries 62
Mean 123.9
Std Dev 88.65
pull1D
Entries 62
Mean 0.0979
Std Dev 1.332

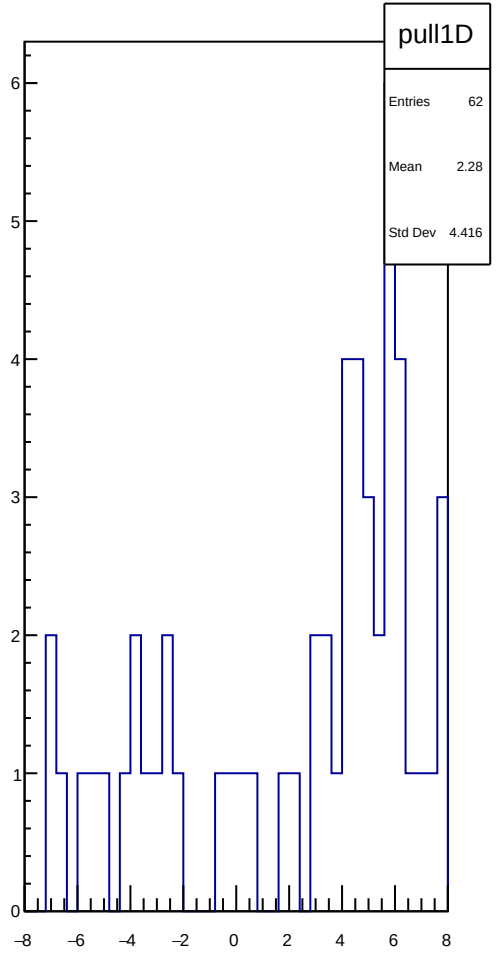

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2295 / 61
p0 −21.52 ± 0.2049
pull
Entries 62
Mean 92.47
Std Dev 60.27

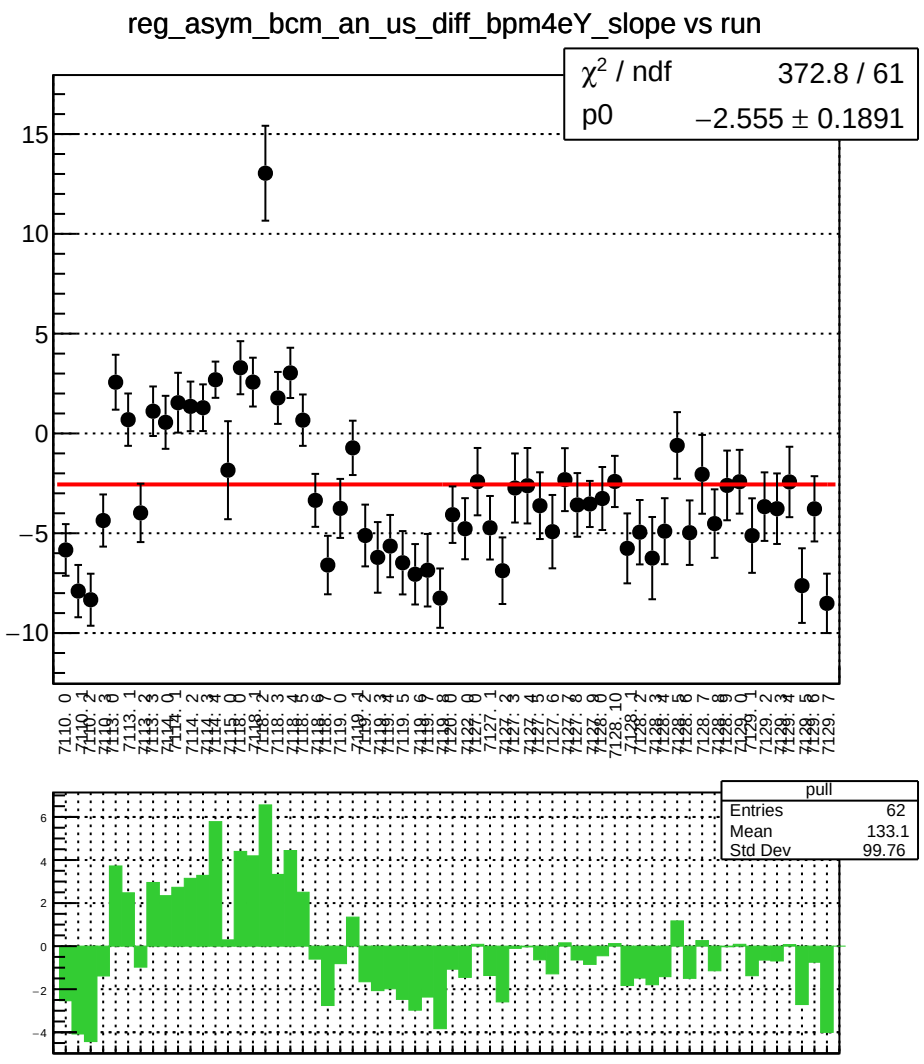

pull1D
Entries 62
Mean −2.094
Std Dev 4.469

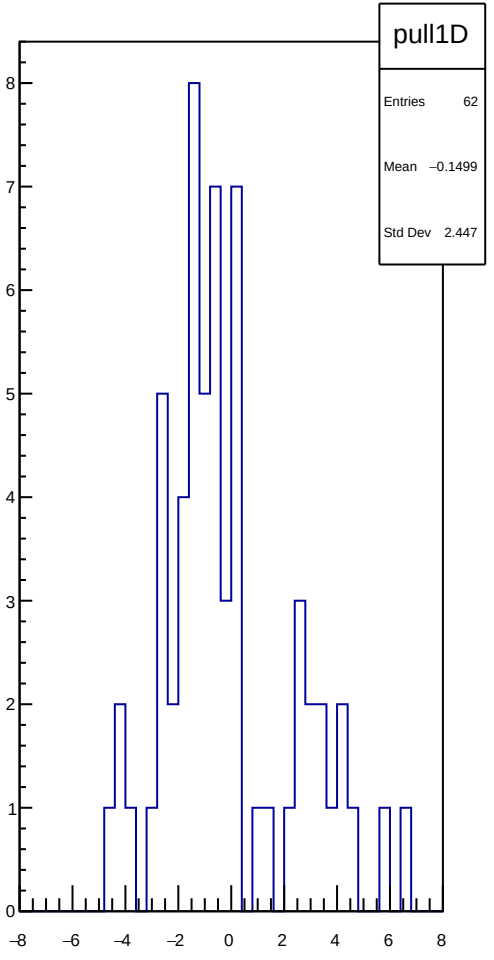

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 318.7 / 61
p0 1.307 ± 0.1791
pull
Entries 62
Mean 140
Std Dev 105.9

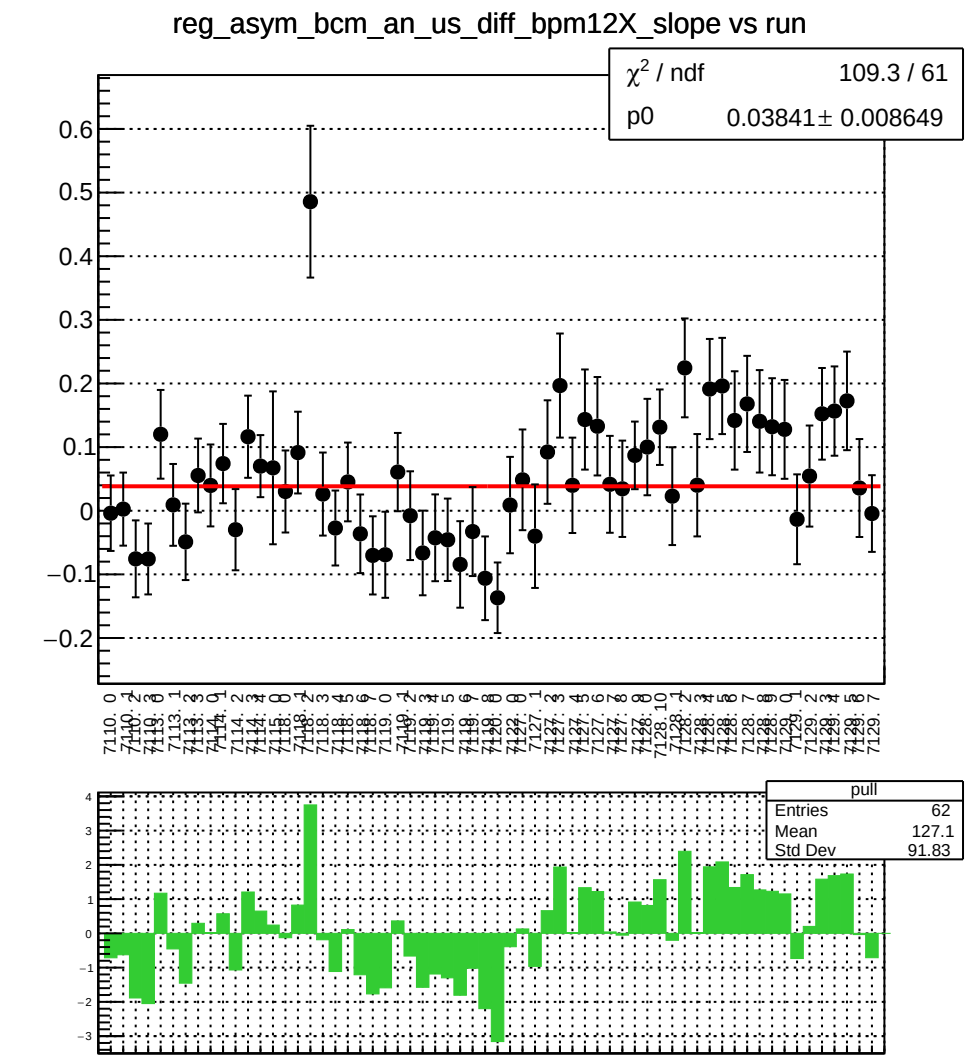

pull1D
Entries 62
Mean 0.1273
Std Dev 2.264

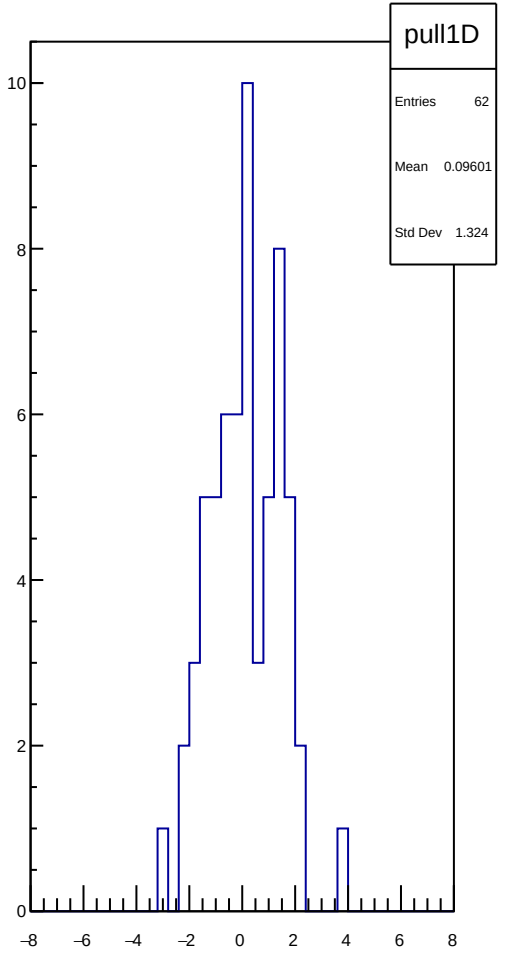

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2213 / 61
p0 20.52 ± 0.2036
pull
Entries 62
Mean 92.27
Std Dev 59.94

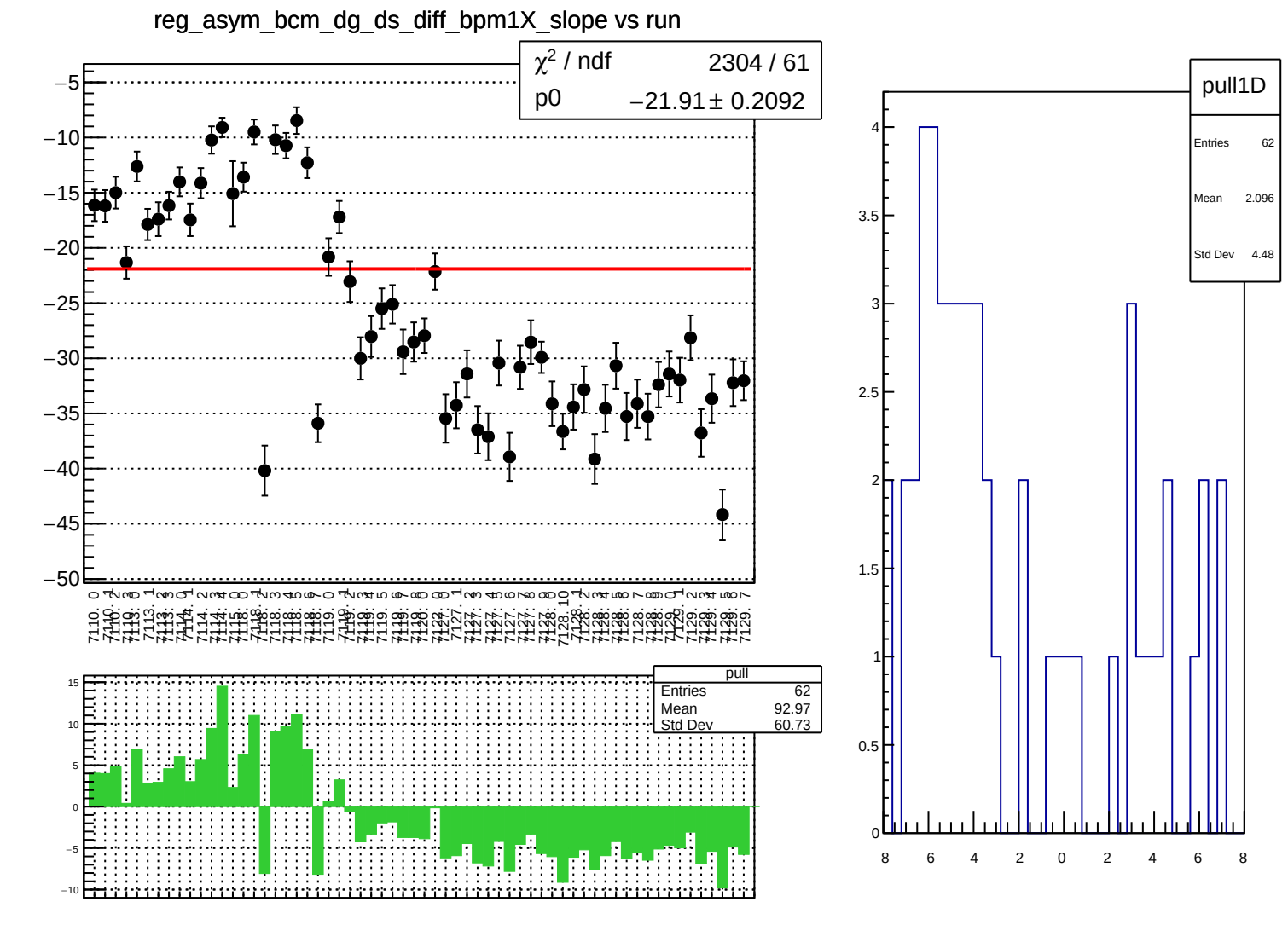

pull1D
Entries 62
Mean 2.28
Std Dev 4.416

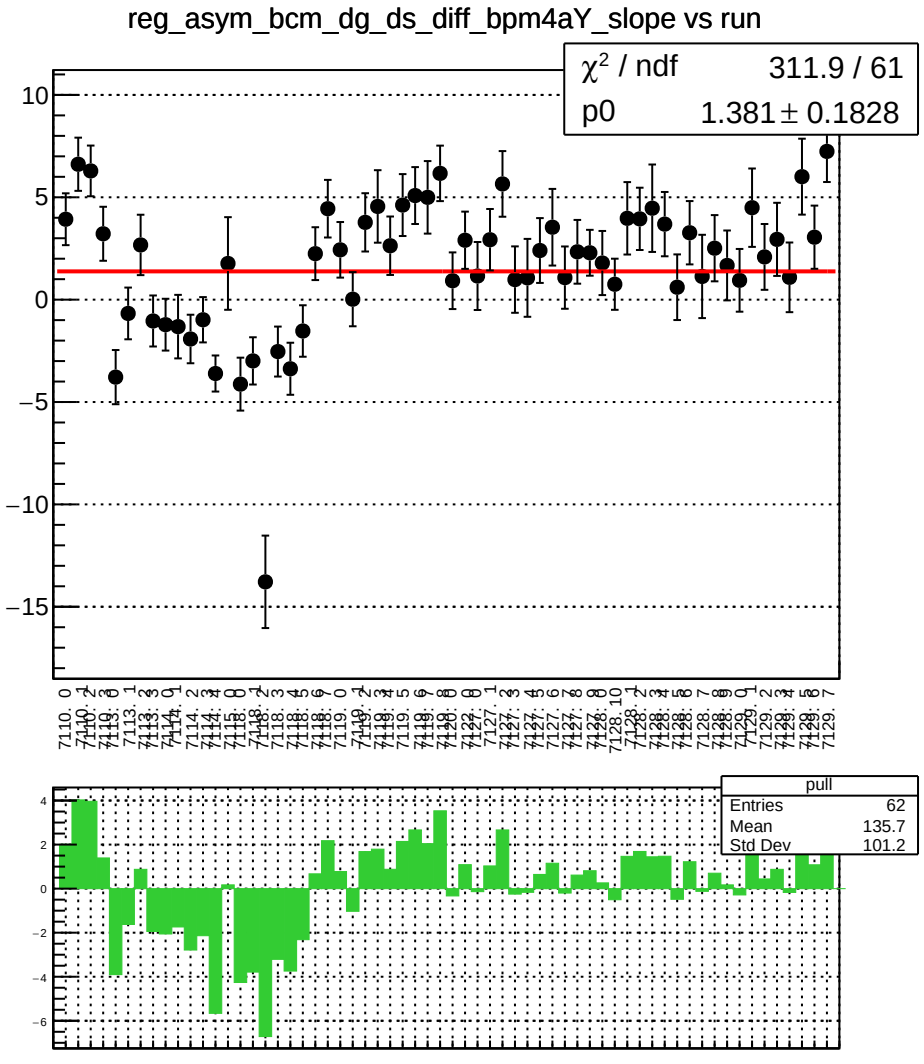

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 372.8 / 61
p0 −2.555 ± 0.1891
pull
Entries 62
Mean 133.1
Std Dev 99.76

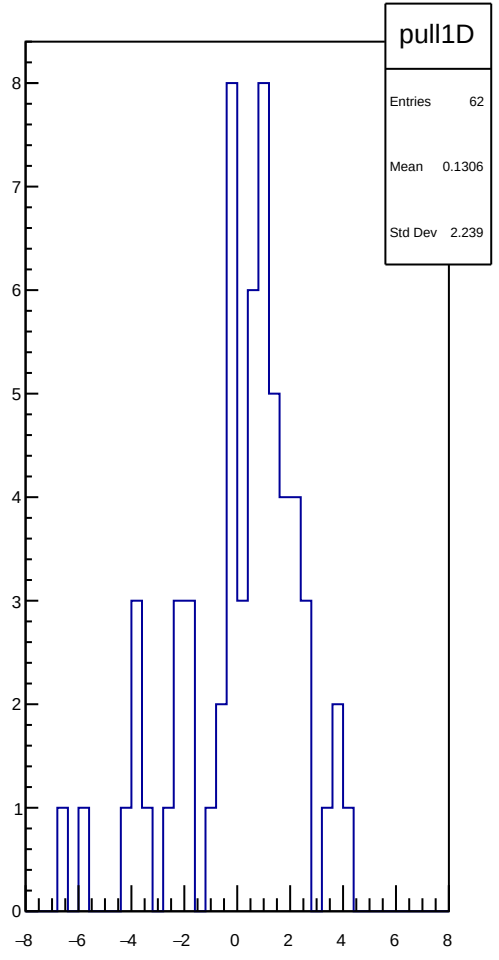

pull1D
Entries 62
Mean −0.1499
Std Dev 2.447

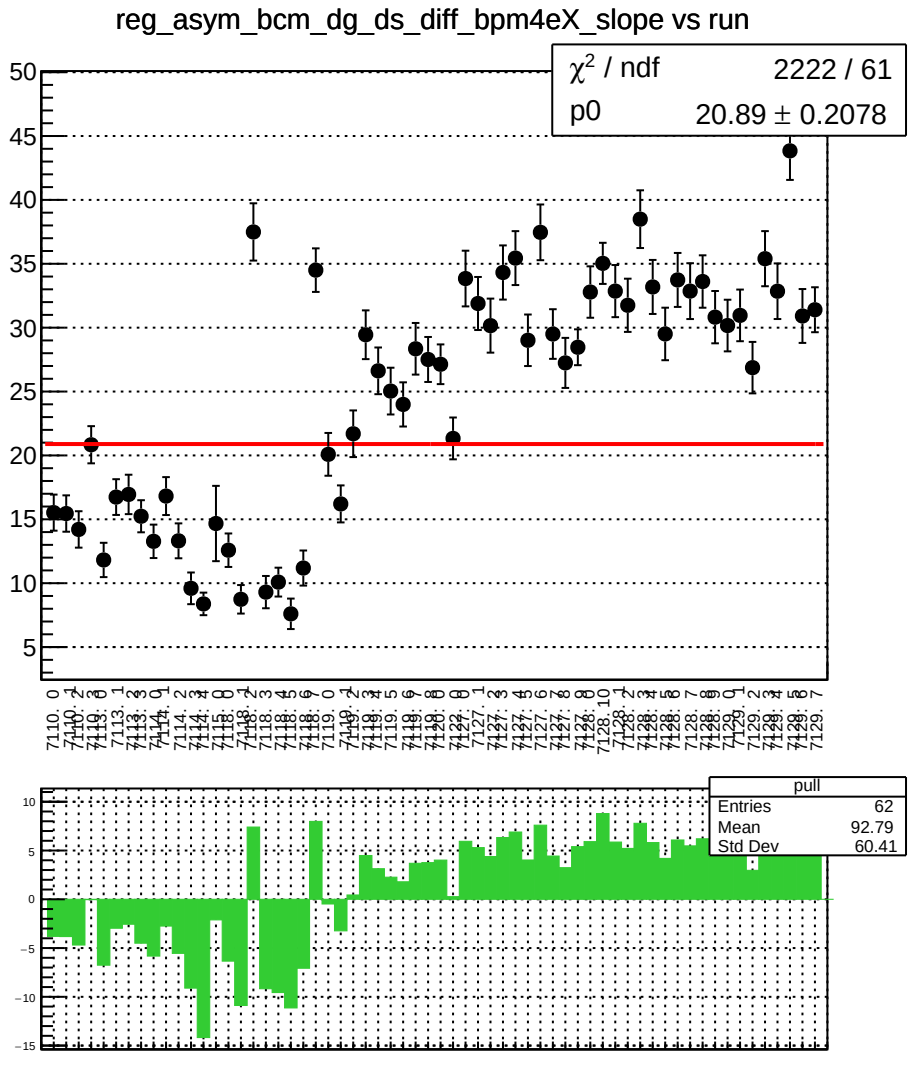

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 109.3 / 61
p0 0.03841± 0.008649
pull
Entries 62
Mean 127.1
Std Dev 91.83

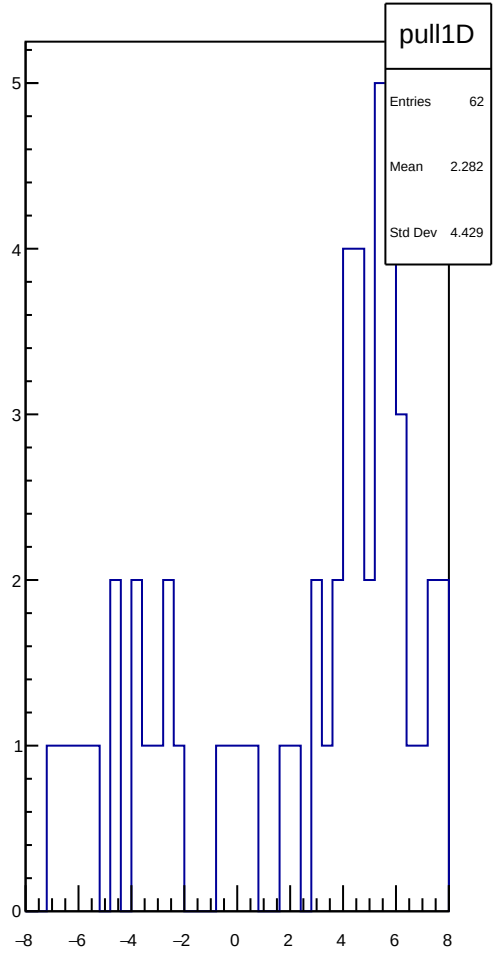

pull1D
Entries 62
Mean 0.09601
Std Dev 1.324

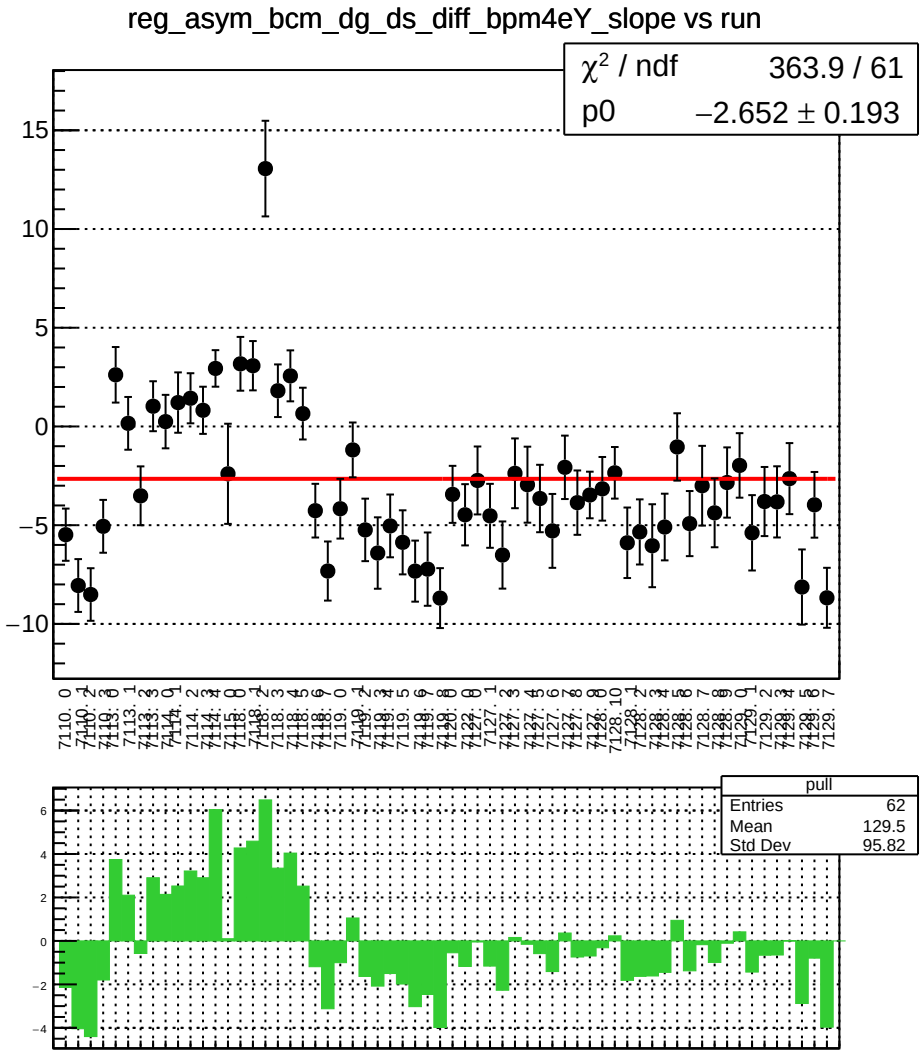

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2304 / 61
p0 −21.91 ± 0.2092
pull
Entries 62
Mean 92.97
Std Dev 60.73
pull1D
Entries 62
Mean −2.096
Std Dev 4.48

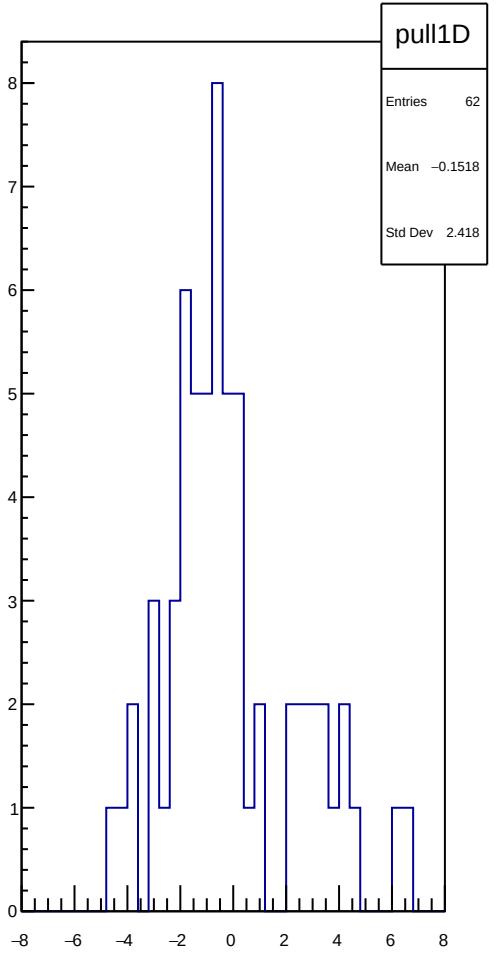

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 311.9 / 61
p0 1.381 ± 0.1828
pull
Entries 62
Mean 135.7
Std Dev 101.2

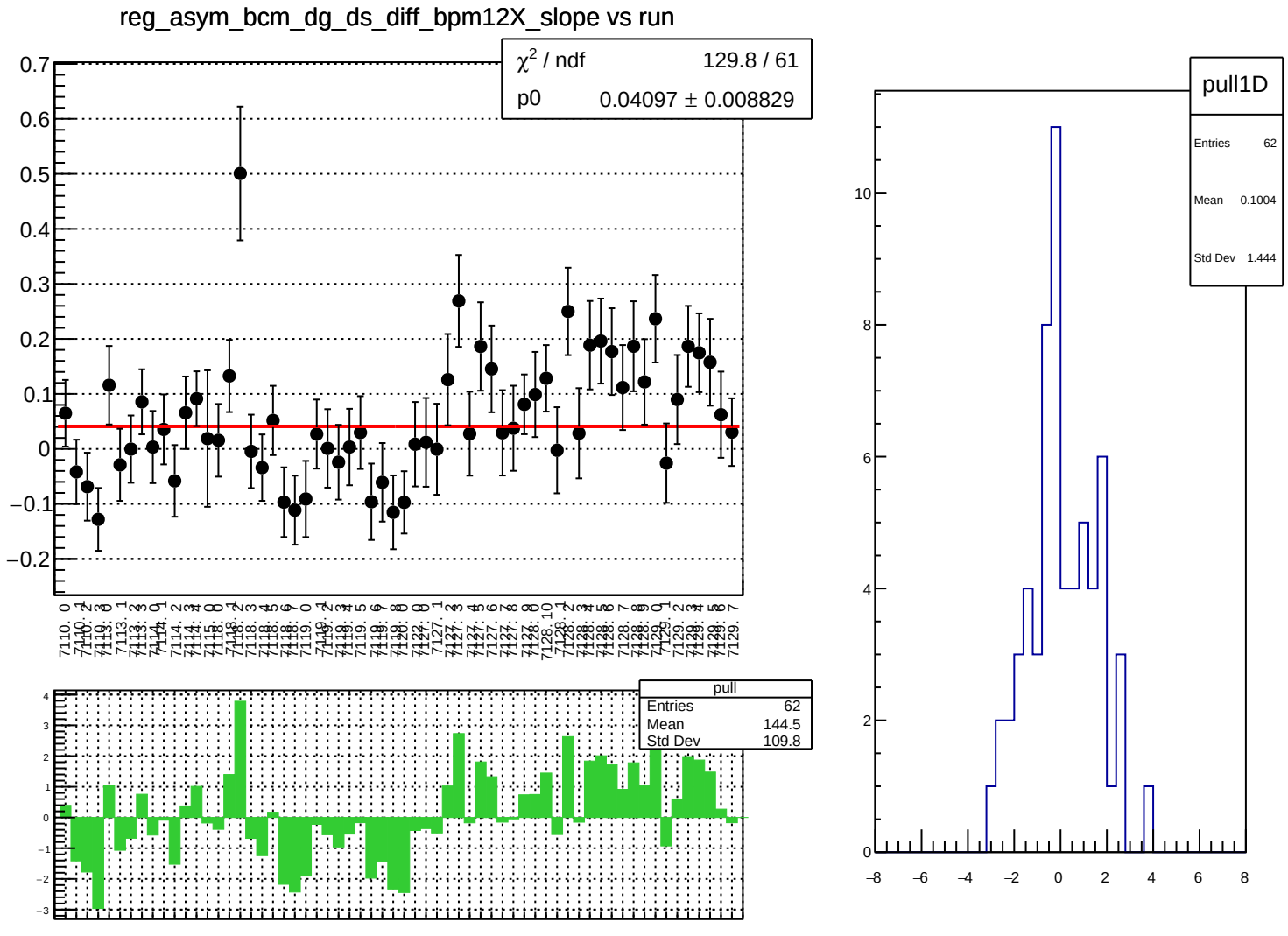

pull1D
Entries 62
Mean 0.1306
Std Dev 2.239

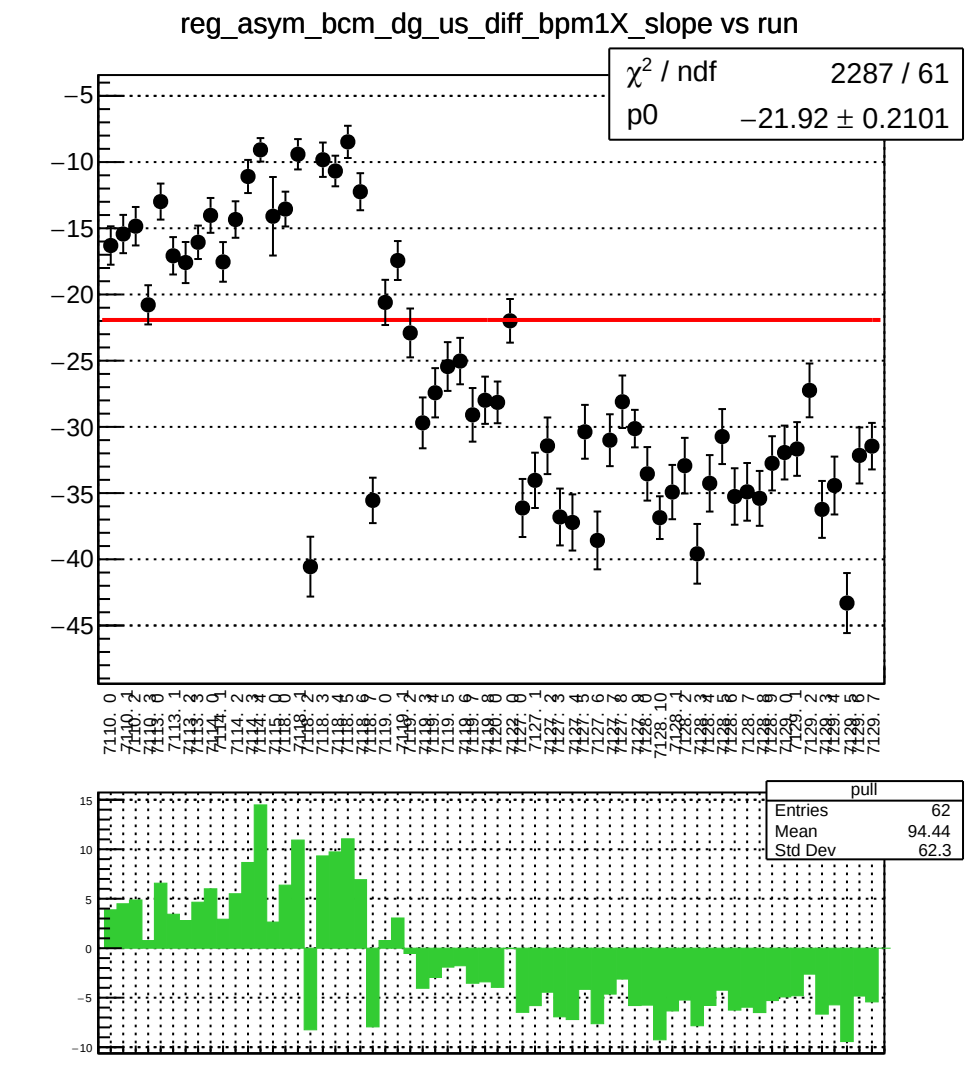

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2222 / 61
p0 20.89 ± 0.2078
pull
Entries 62
Mean 92.79
Std Dev 60.41

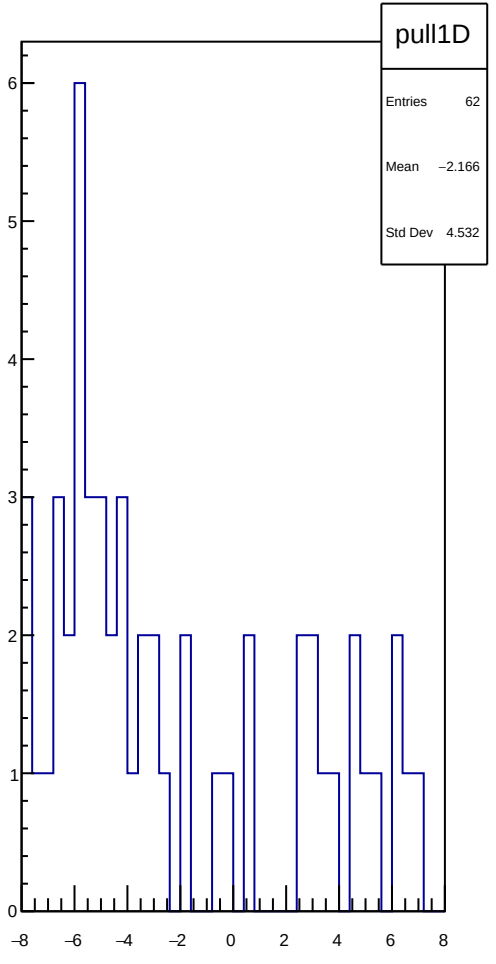

pull1D
Entries 62
Mean 2.282
Std Dev 4.429

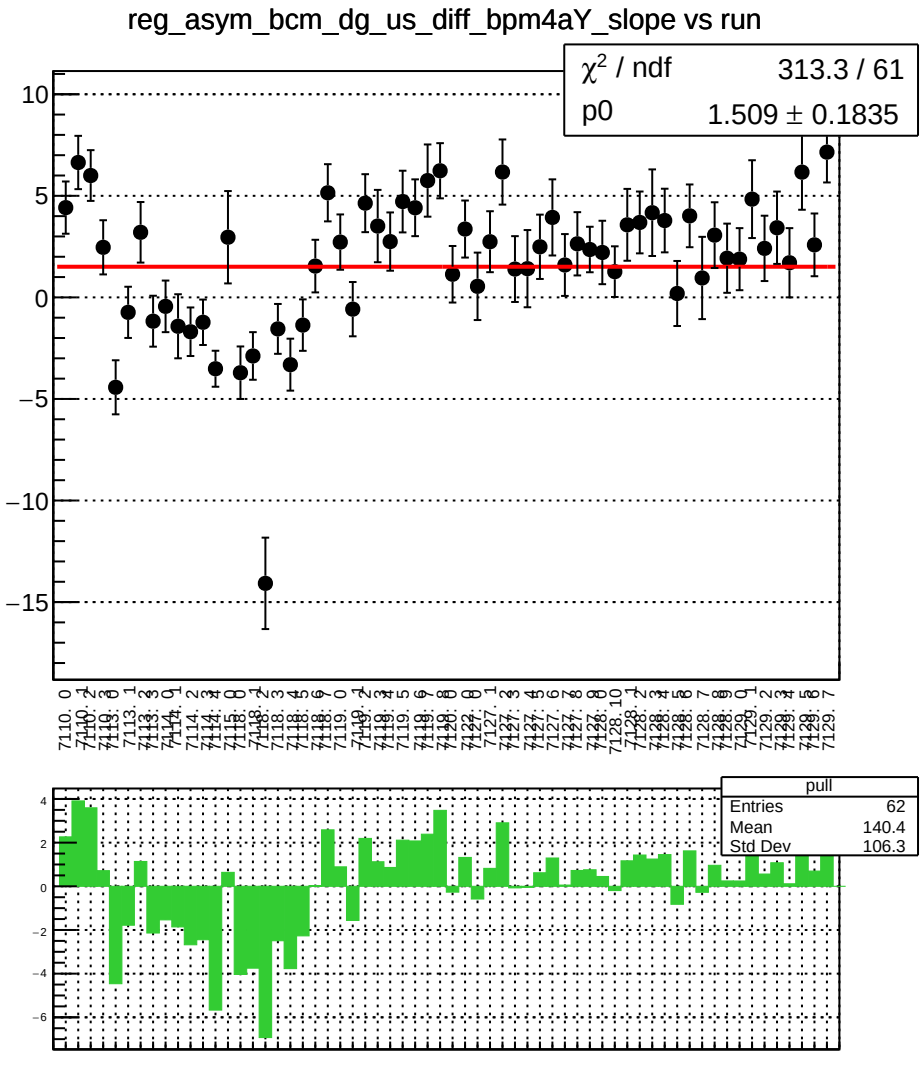

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 363.9 / 61
p0 −2.652 ± 0.193
pull
Entries 62
Mean 129.5
Std Dev 95.82

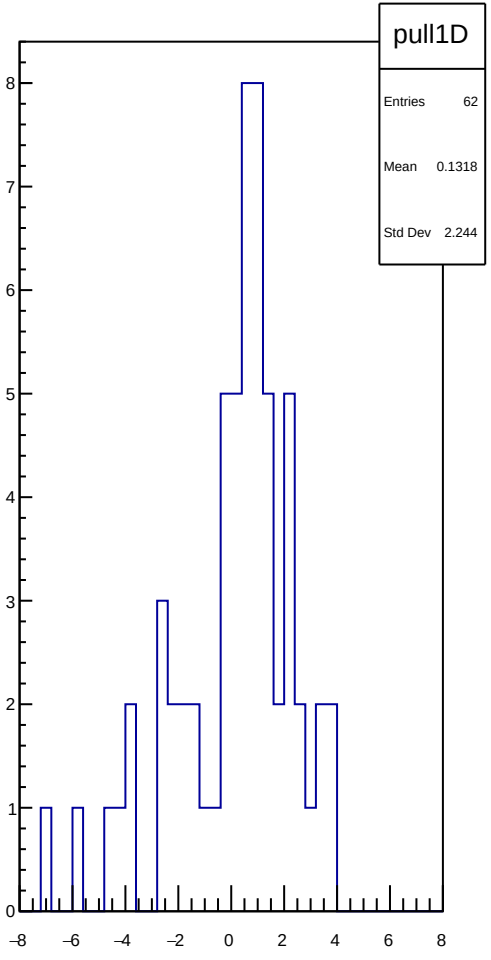

pull1D
Entries 62
Mean −0.1518
Std Dev 2.418

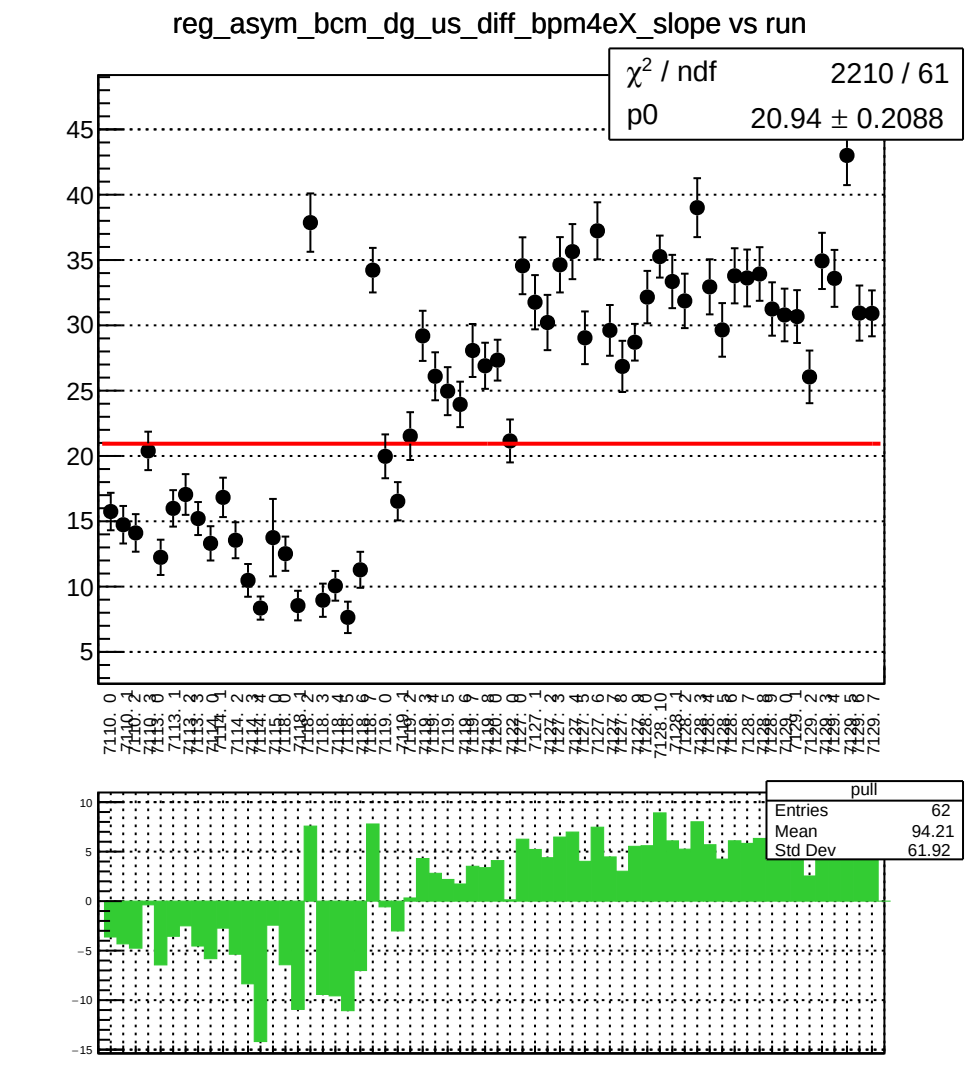

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 129.8 / 61
p0 0.04097 ± 0.008829
pull
Entries 62
Mean 144.5
Std Dev 109.8
pull1D
Entries 62
Mean 0.1004
Std Dev 1.444

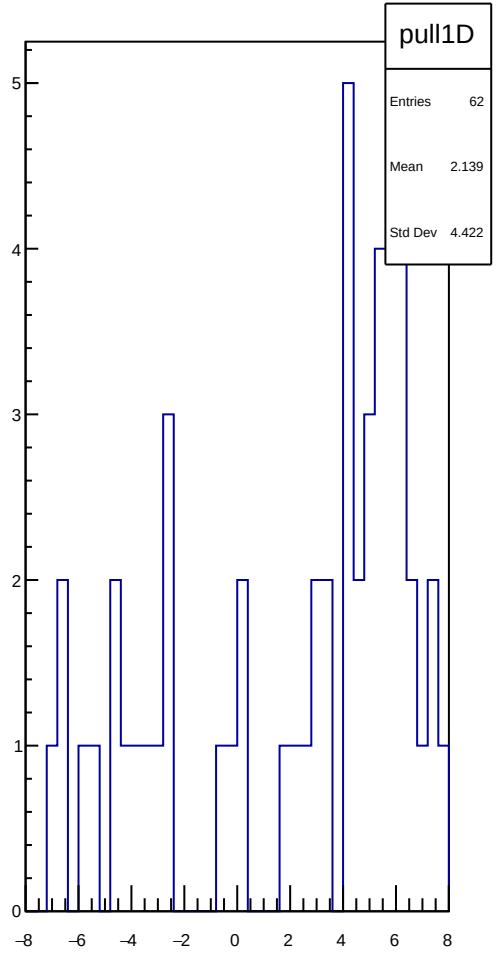

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2287 / 61
p0 −21.92 ± 0.2101
pull
Entries 62
Mean 94.44
Std Dev 62.3

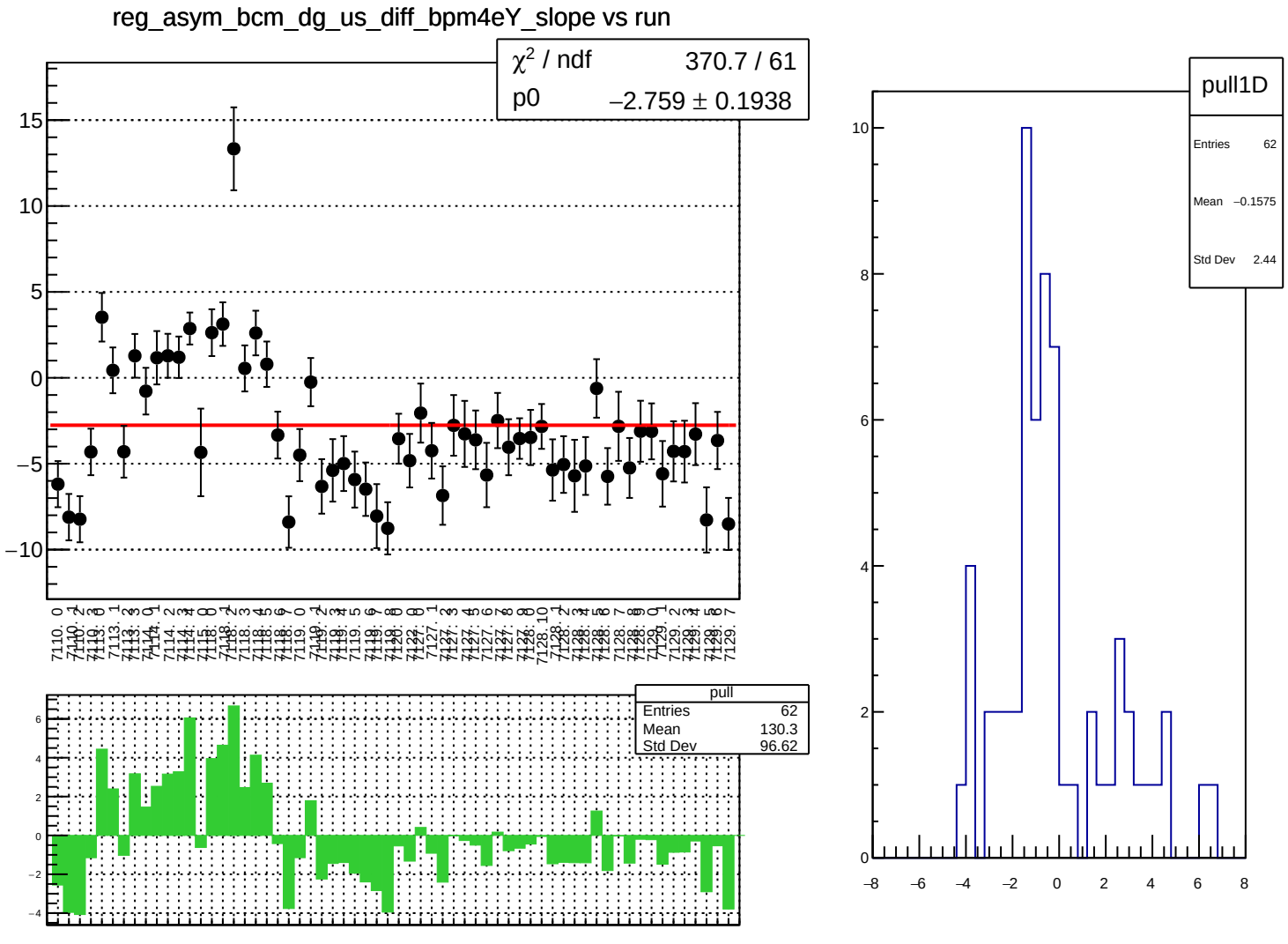

pull1D
Entries 62
Mean −2.166
Std Dev 4.532

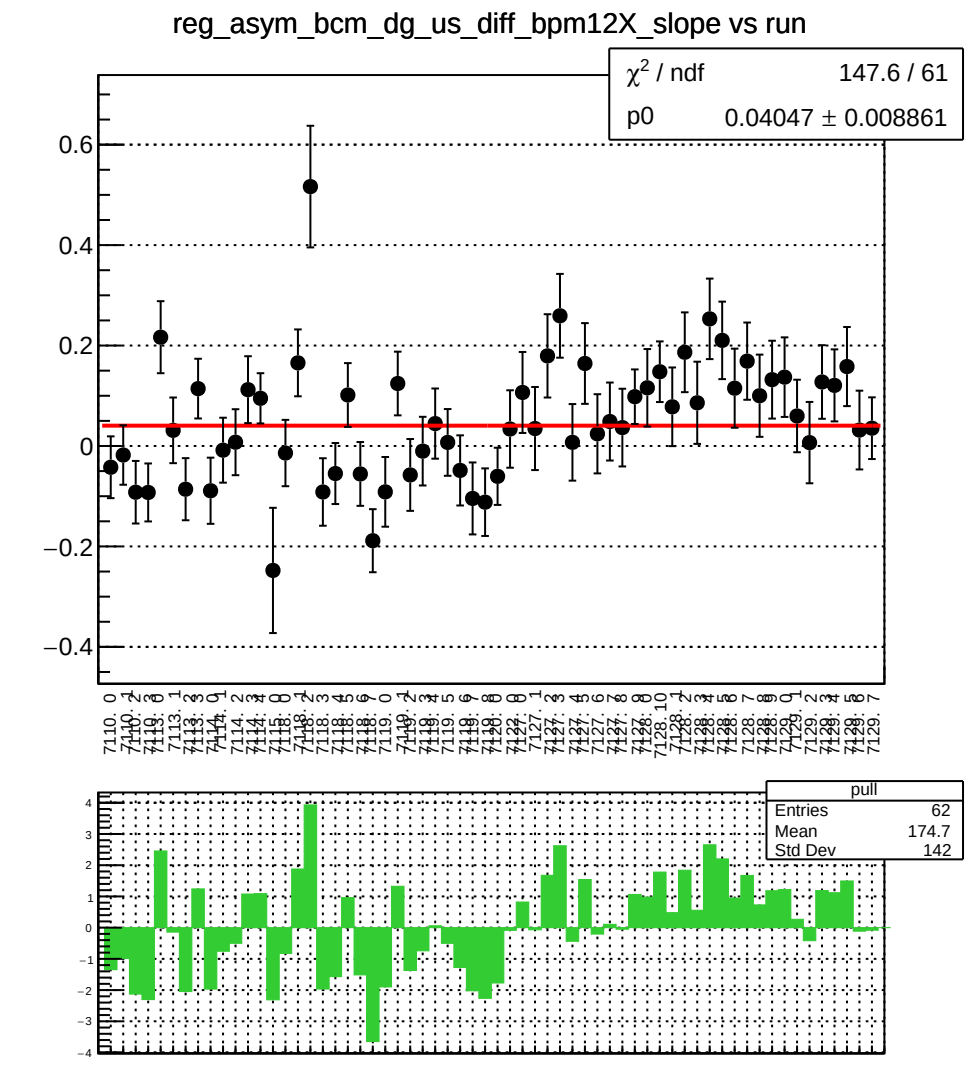

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 313.3 / 61
p0 1.509 ± 0.1835
pull
Entries 62
Mean 140.4
Std Dev 106.3

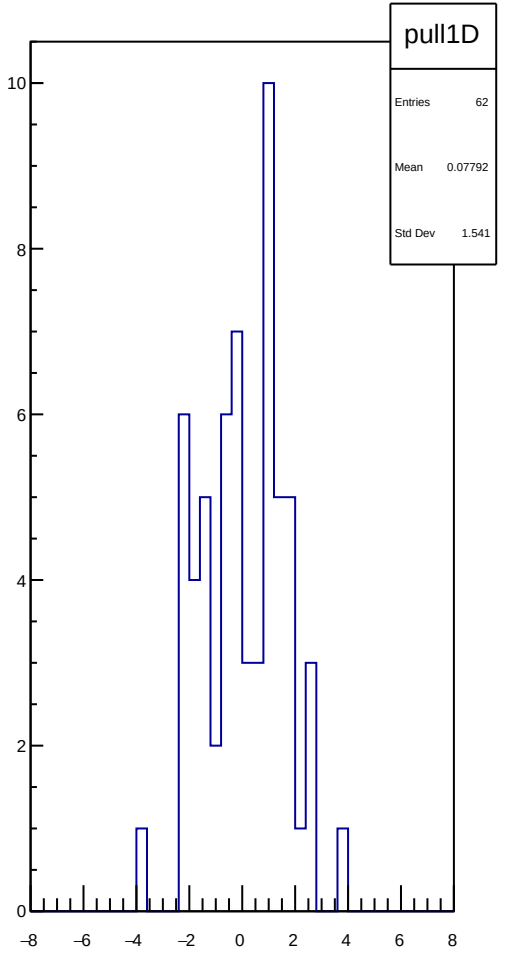

pull1D
Entries 62
Mean 0.1318
Std Dev 2.244


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2210 / 61
p0 20.94 ± 0.2088
pull
Entries 62
Mean 94.21
Std Dev 61.92


pull1D
Entries 62
Mean 2.139
Std Dev 4.422


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 370.7 / 61
p0 −2.759 ± 0.1938
pull
Entries 62
Mean 130.3
Std Dev 96.62
pull1D
Entries 62
Mean −0.1575
Std Dev 2.44


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 147.6 / 61
p0 0.04047 ± 0.008861
pull
Entries 62
Mean 174.7
Std Dev 142


pull1D
Entries 62
Mean 0.07792
Std Dev 1.541