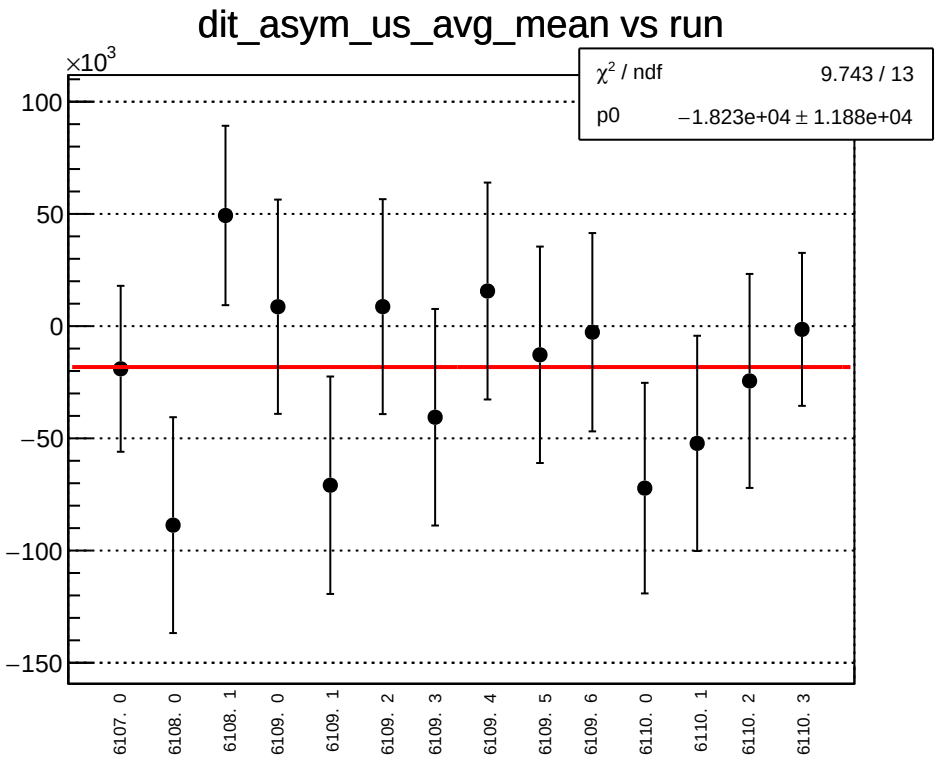
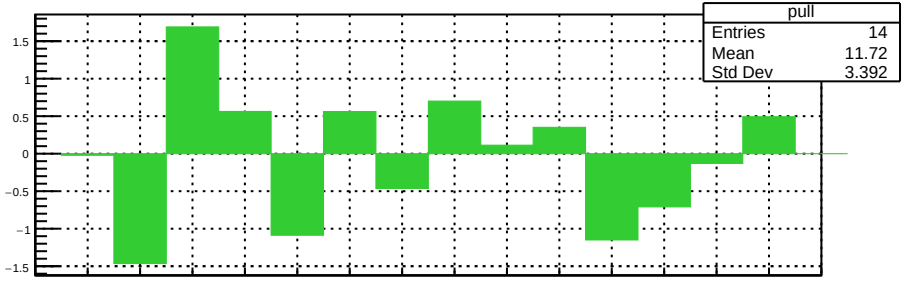
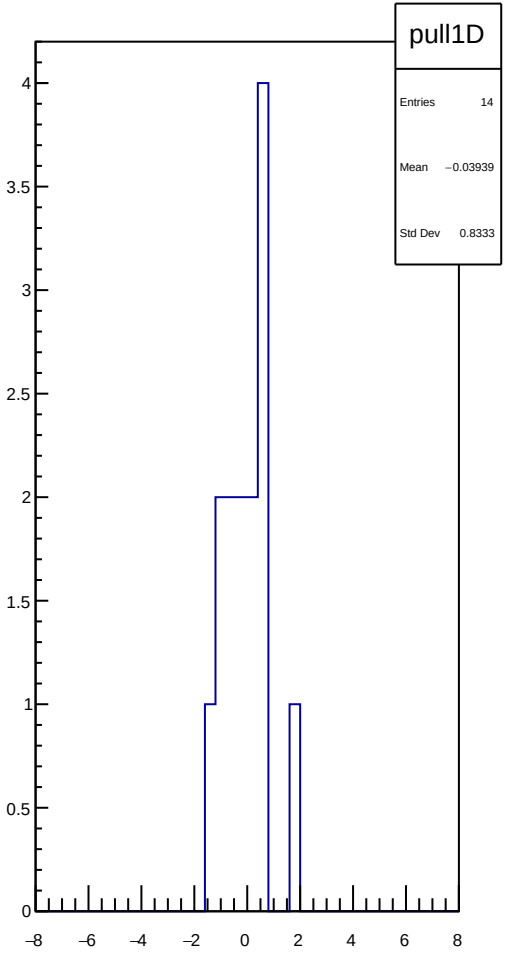
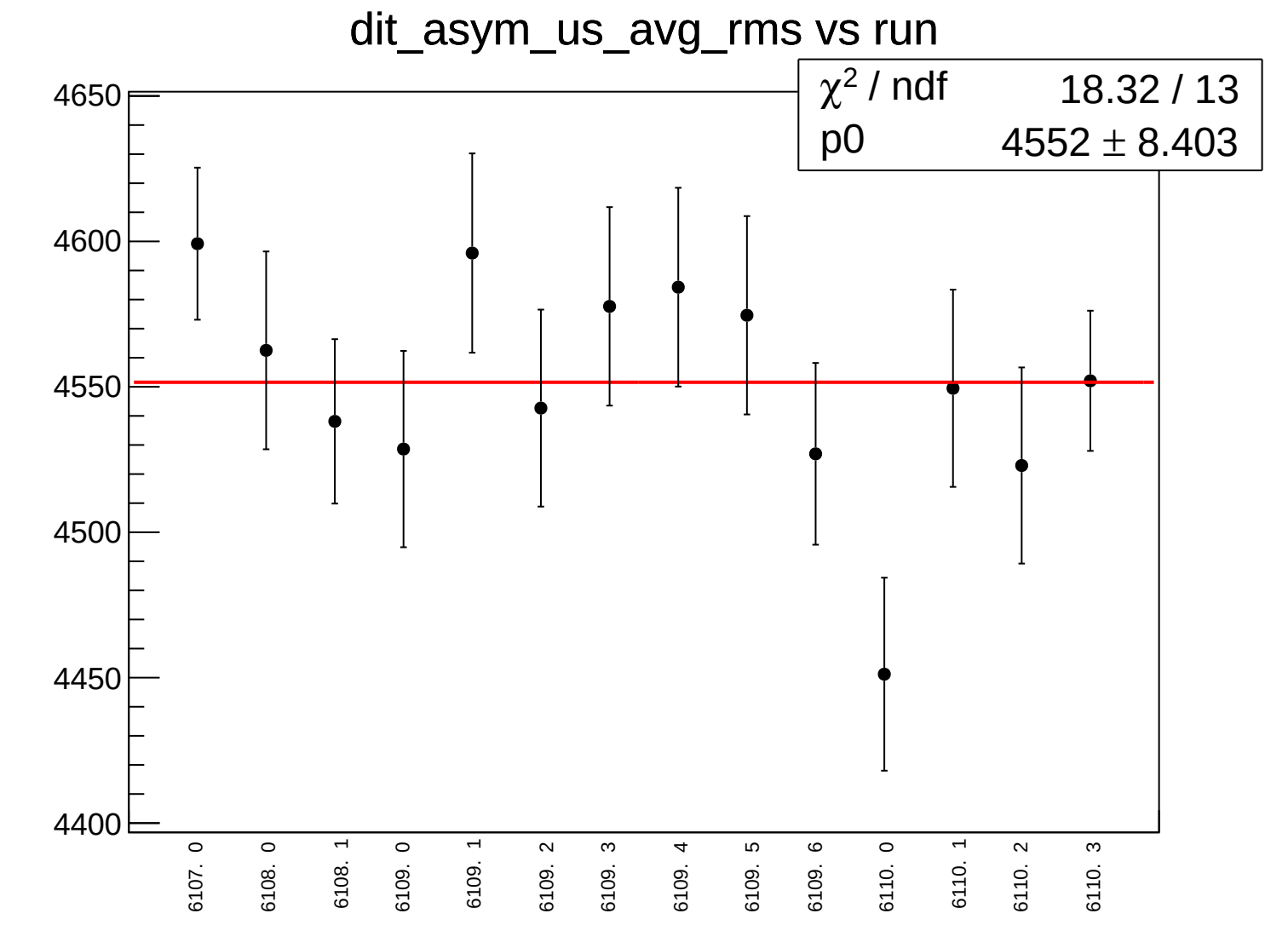
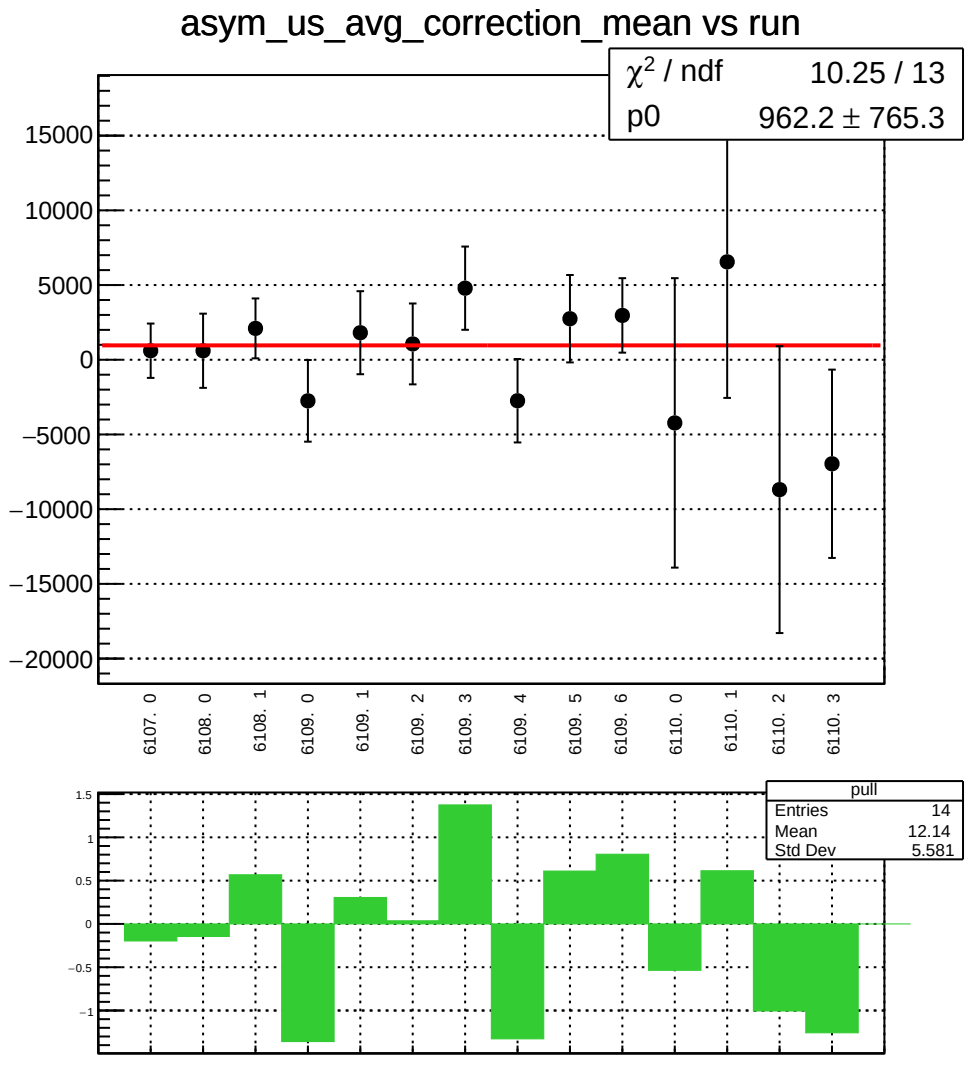
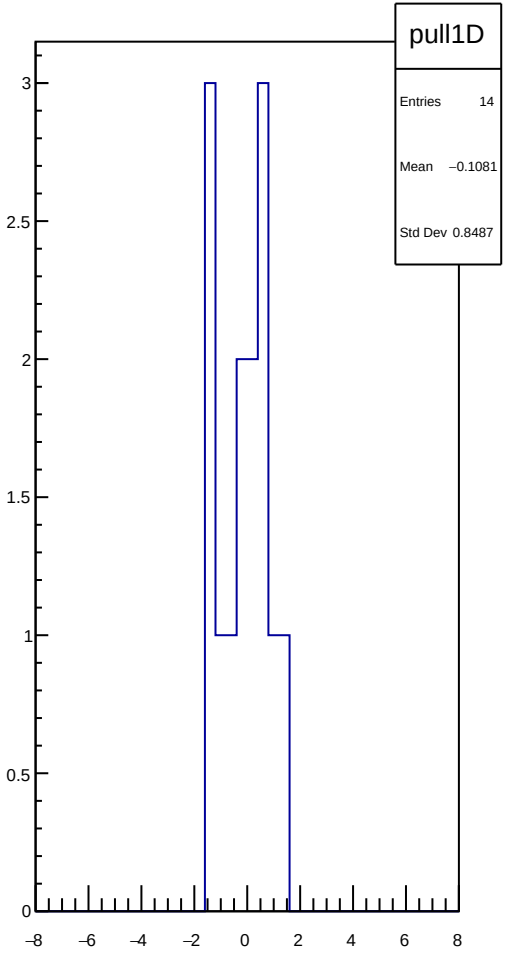

dit_asym_us_avg_mean vs run
×10^3
χ² / ndf 9.743 / 13
p0 −1.823e+04 ± 1.188e+04
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

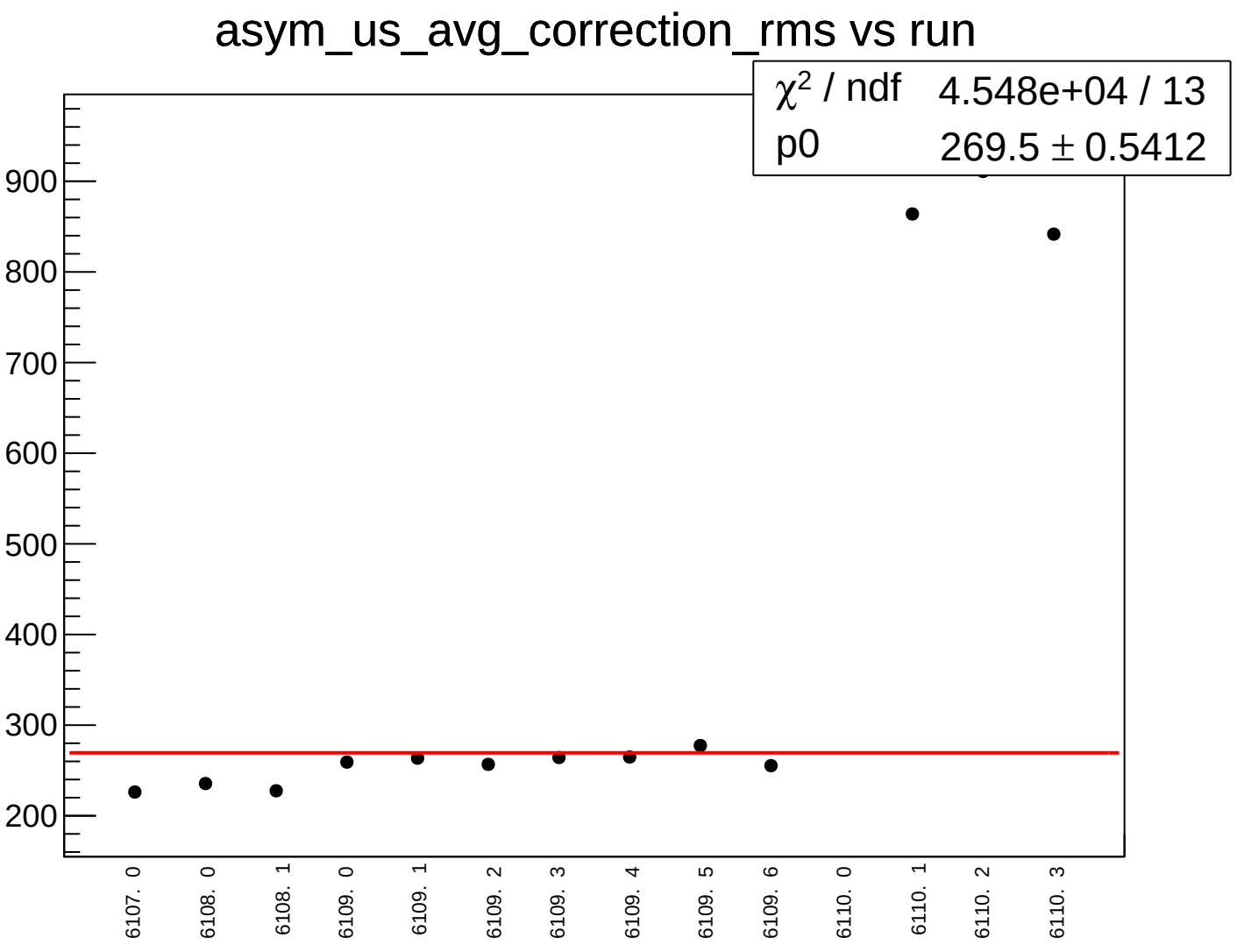

pull
Entries 14
Mean 11.72
Std Dev 3.392
1.5
1
0.5
0
−0.5
−1
−1.5

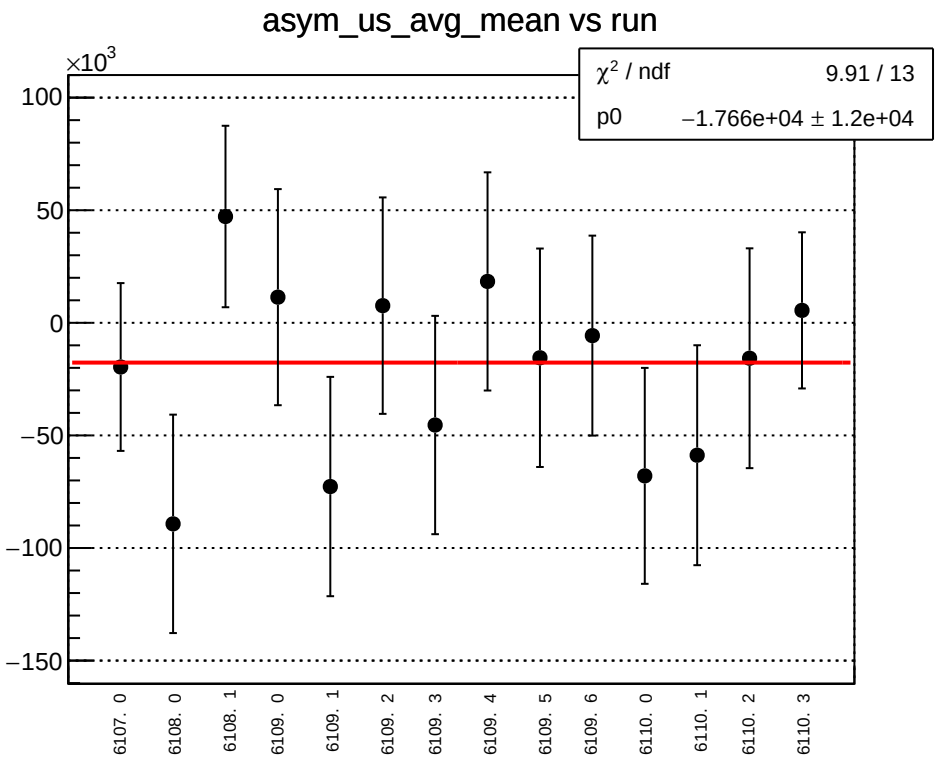

pull1D
Entries 14
Mean −0.03939
Std Dev 0.8333
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

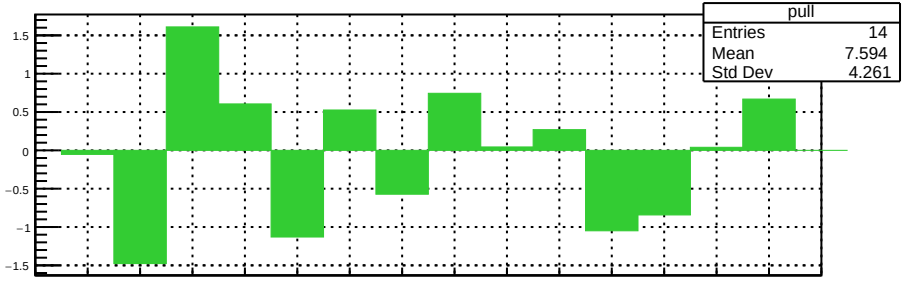

dit_asym_us_avg_rms vs run
χ² / ndf 18.32 / 13
p0 4552 ± 8.403
4650
4600
4550
4500
4450
4400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

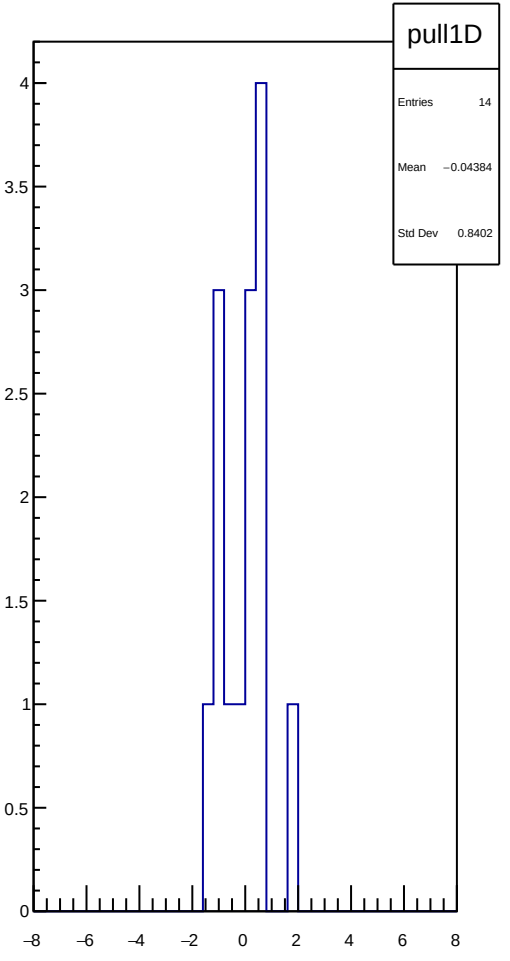

asym_us_avg_correction_mean vs run
χ² / ndf 10.25 / 13
p0 962.2 ± 765.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 12.14
Std Dev 5.581
1.5
1
0.5
0
−0.5
−1

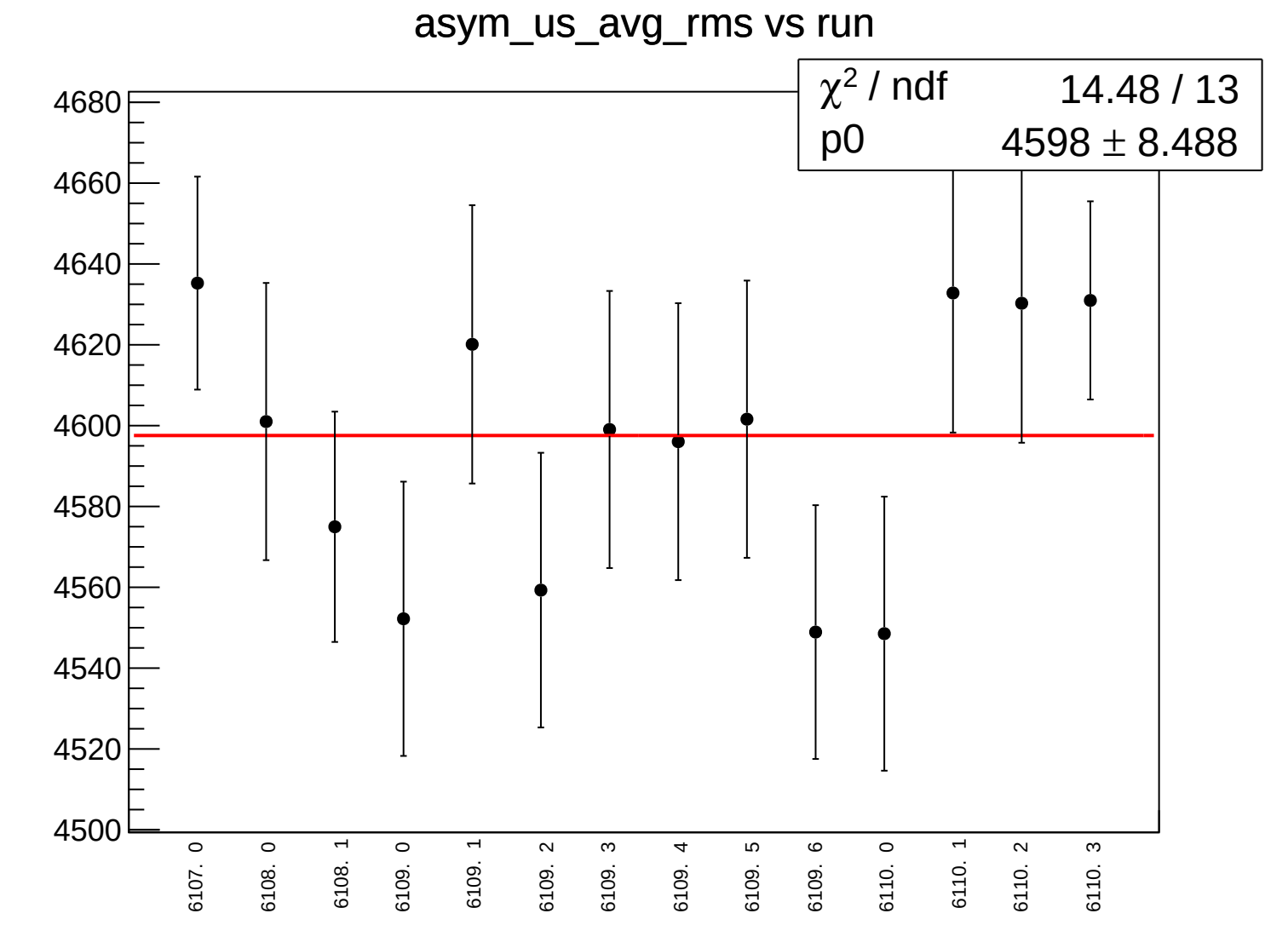

pull1D
Entries 14
Mean −0.1081
Std Dev 0.8487
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

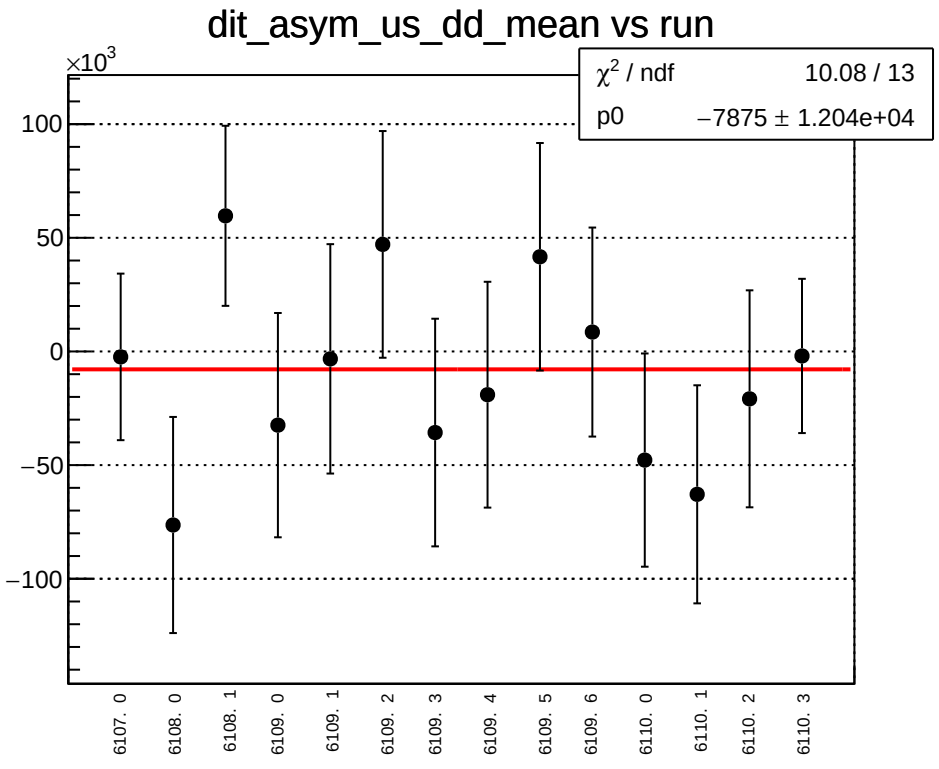

asym_us_avg_correction_rms vs run
χ² / ndf 4.548e+04 / 13
p0 269.5 ± 0.5412
900
800
700
600
500
400
300
200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

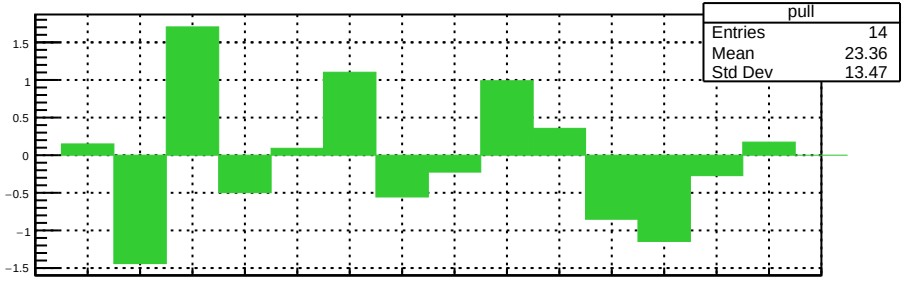

asym_us_avg_mean vs run
×10^3
χ² / ndf 9.91 / 13
p0 −1.766e+04 ± 1.2e+04
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

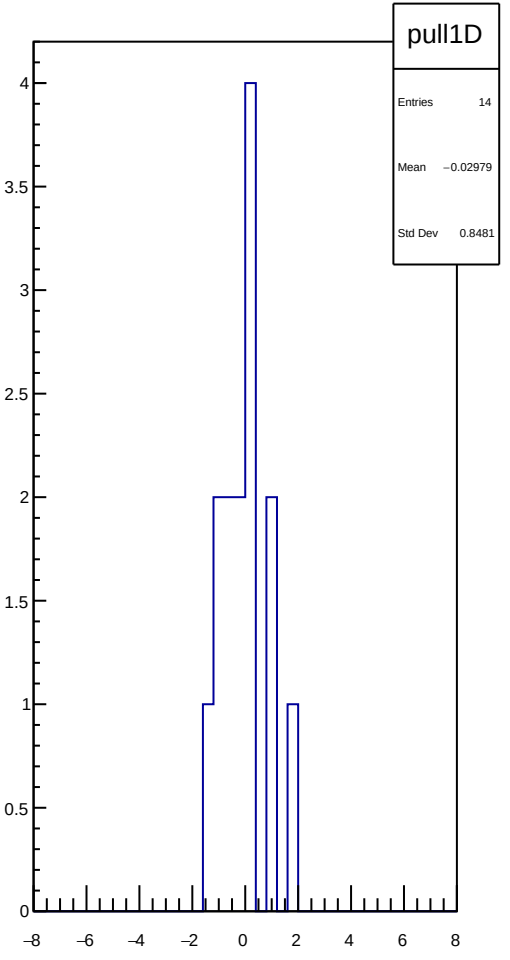

pull
Entries 14
Mean 7.594
Std Dev 4.261
1.5
1
0.5
0
−0.5
−1
−1.5

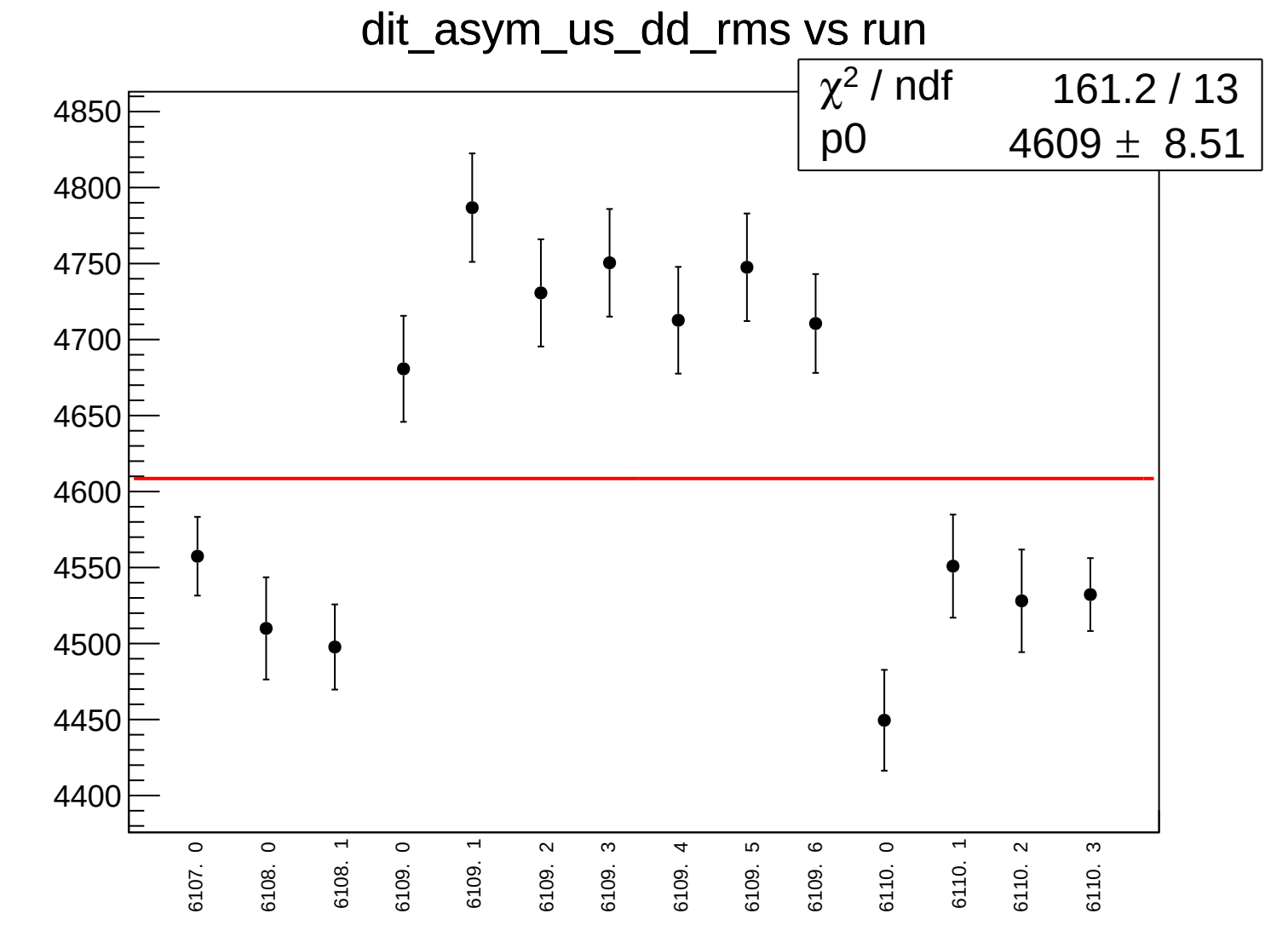

pull1D
Entries 14
Mean −0.04384
Std Dev 0.8402
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

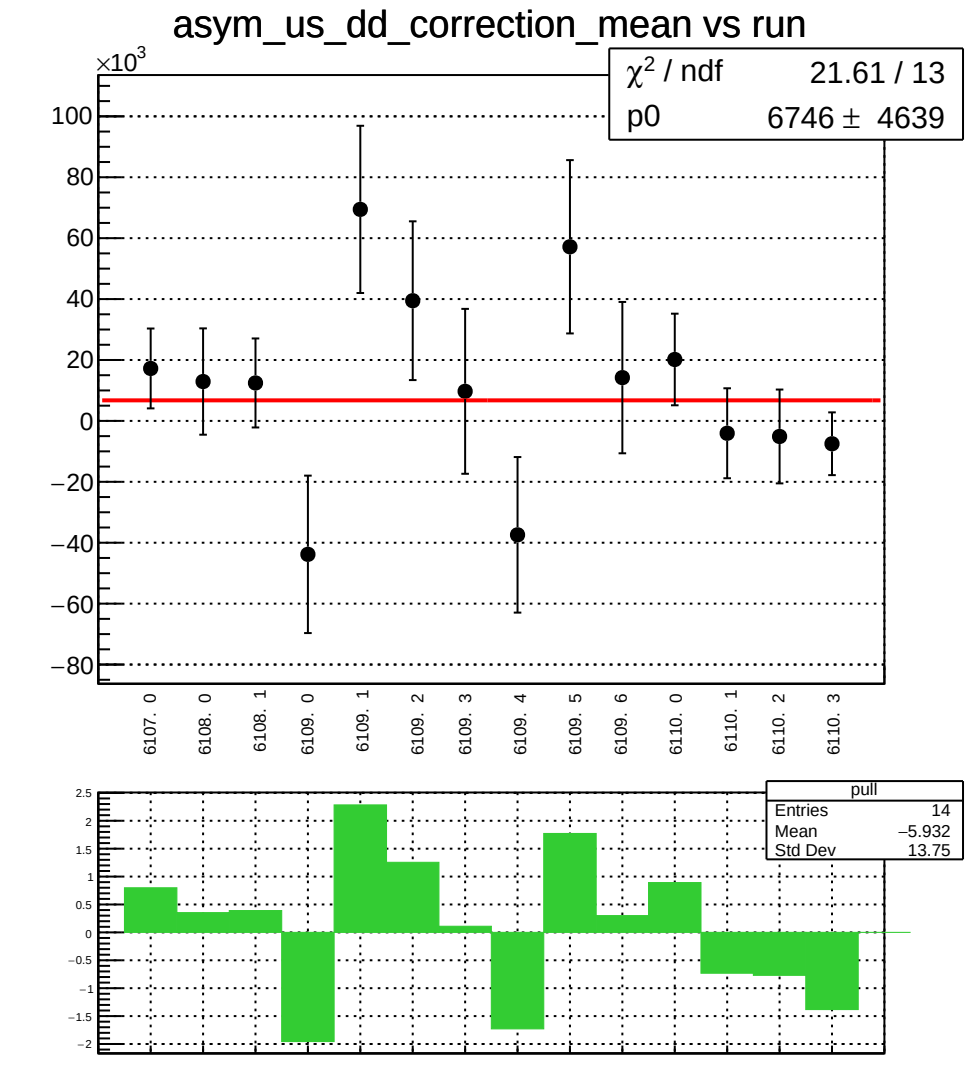

asym_us_avg_rms vs run
χ² / ndf 14.48 / 13
p0 4598 ± 8.488
4680
4660
4640
4620
4600
4580
4560
4540
4520
4500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

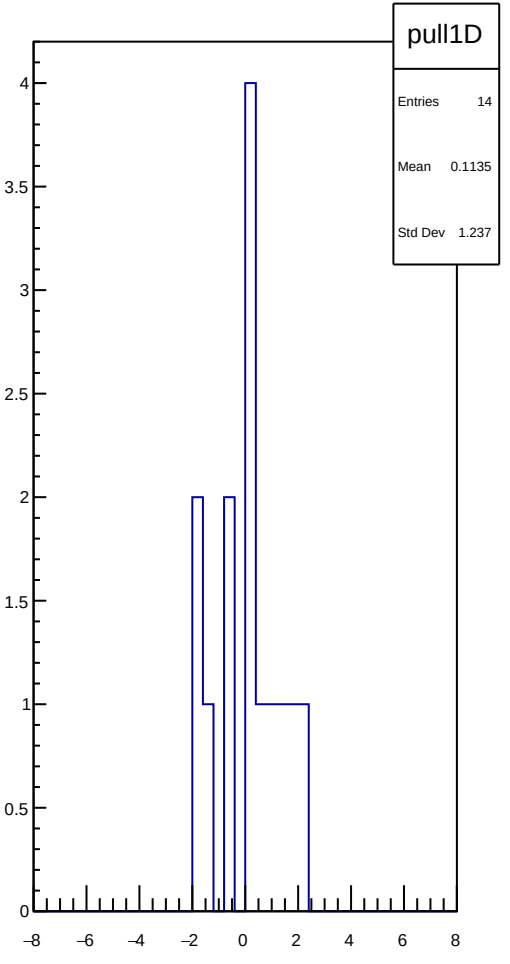

dit_asym_us_dd_mean vs run
×10^3
χ^2 / ndf 10.08 / 13
p0 −7875 ± 1.204e+04
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

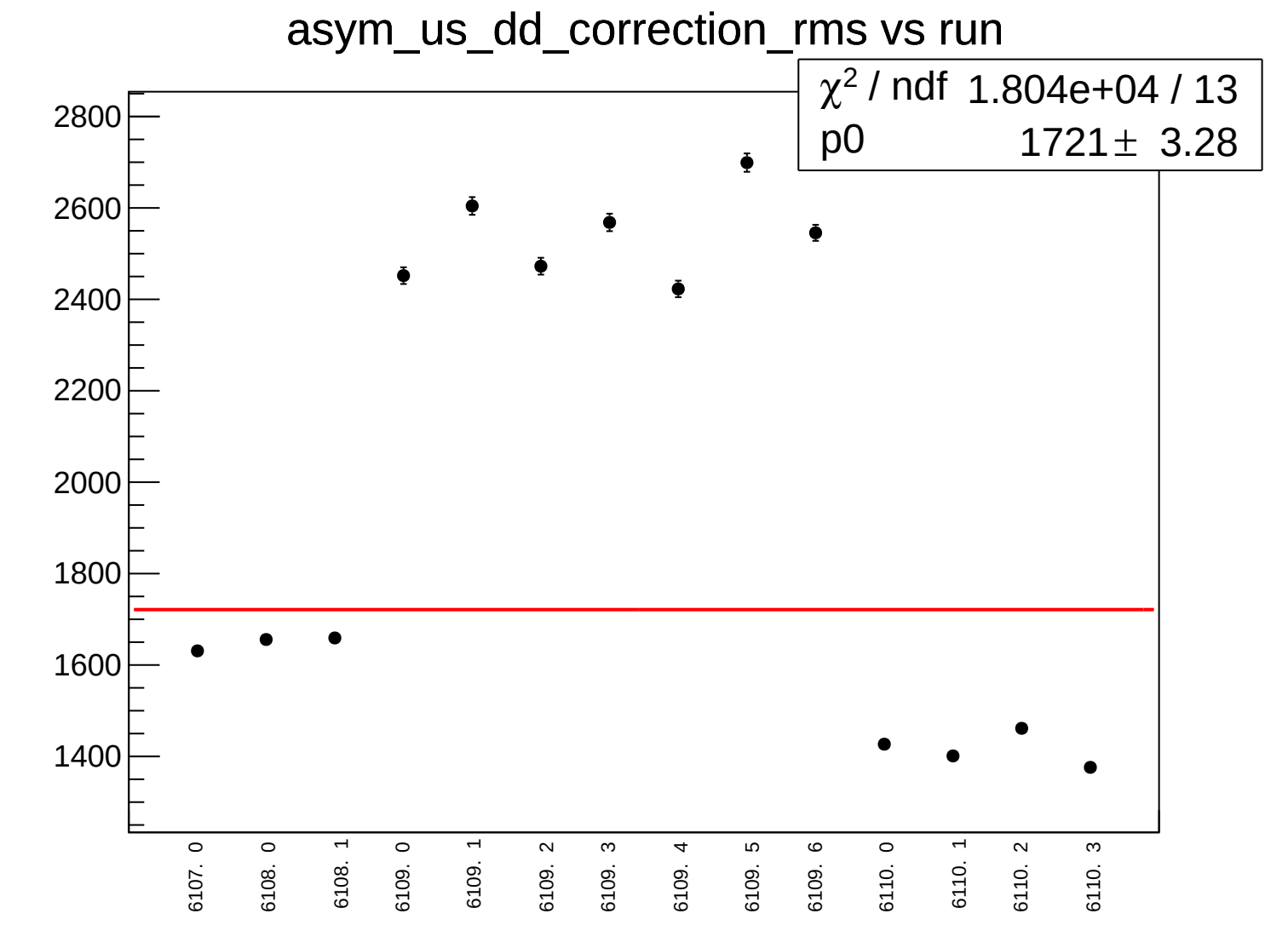

pull
Entries 14
Mean 23.36
Std Dev 13.47
1.5
1
0.5
0
−0.5
−1
−1.5

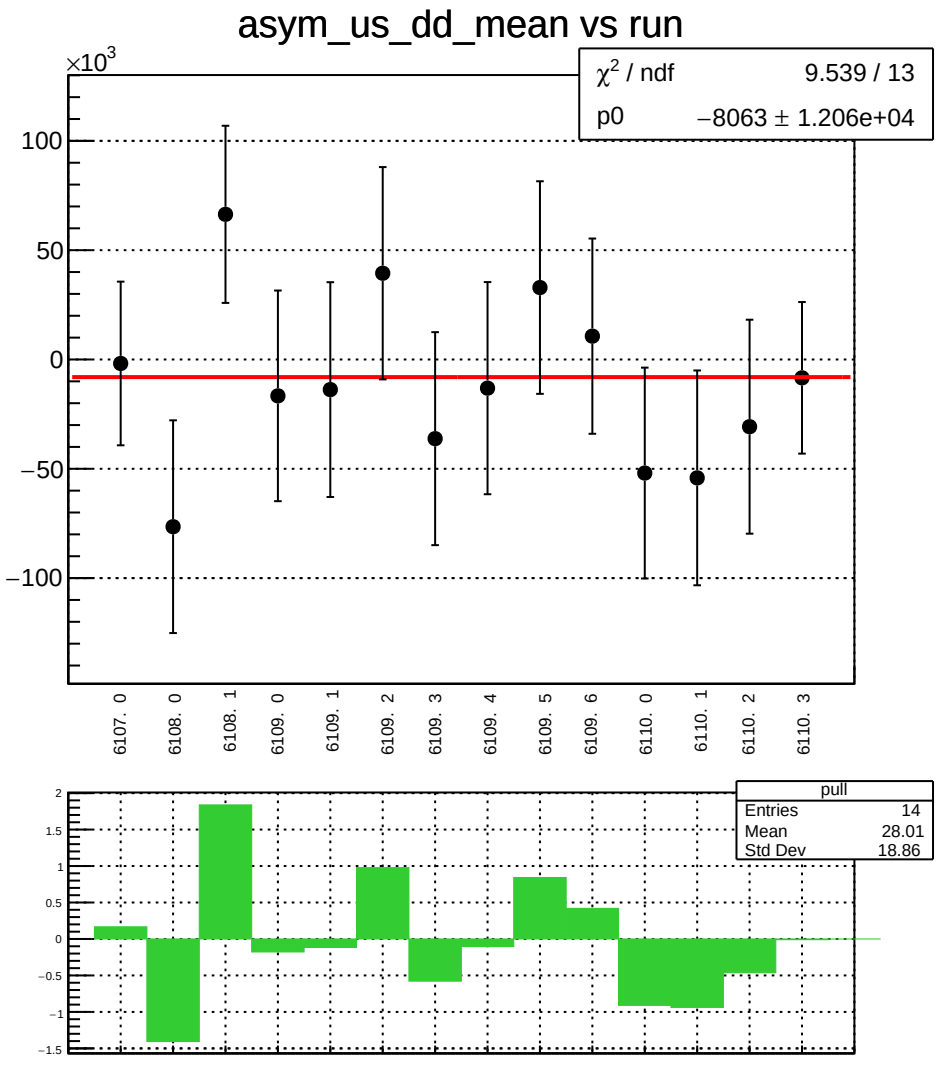

pull1D
Entries 14
Mean −0.02979
Std Dev 0.8481
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

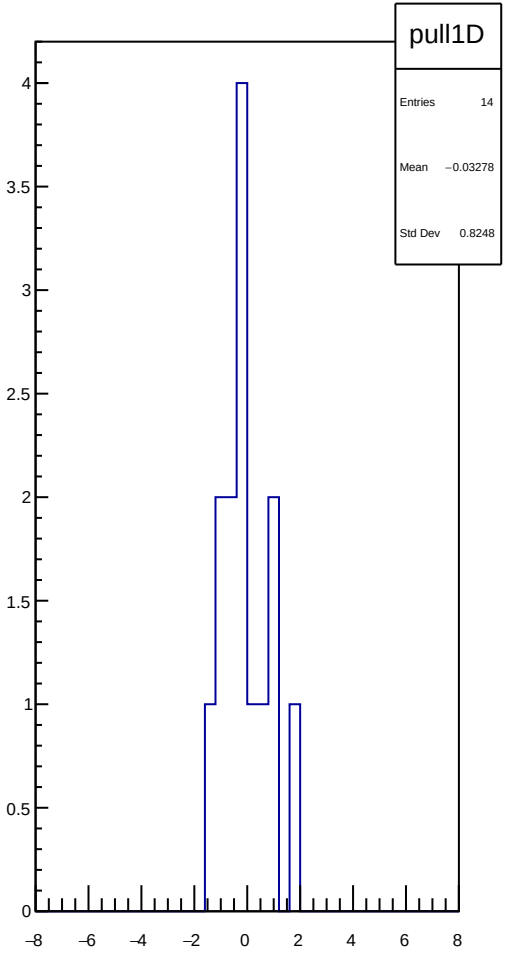

dit_asym_us_dd_rms vs run
χ^2 / ndf 161.2 / 13
p0 4609 ± 8.51
4850
4800
4750
4700
4650
4600
4550
4500
4450
4400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

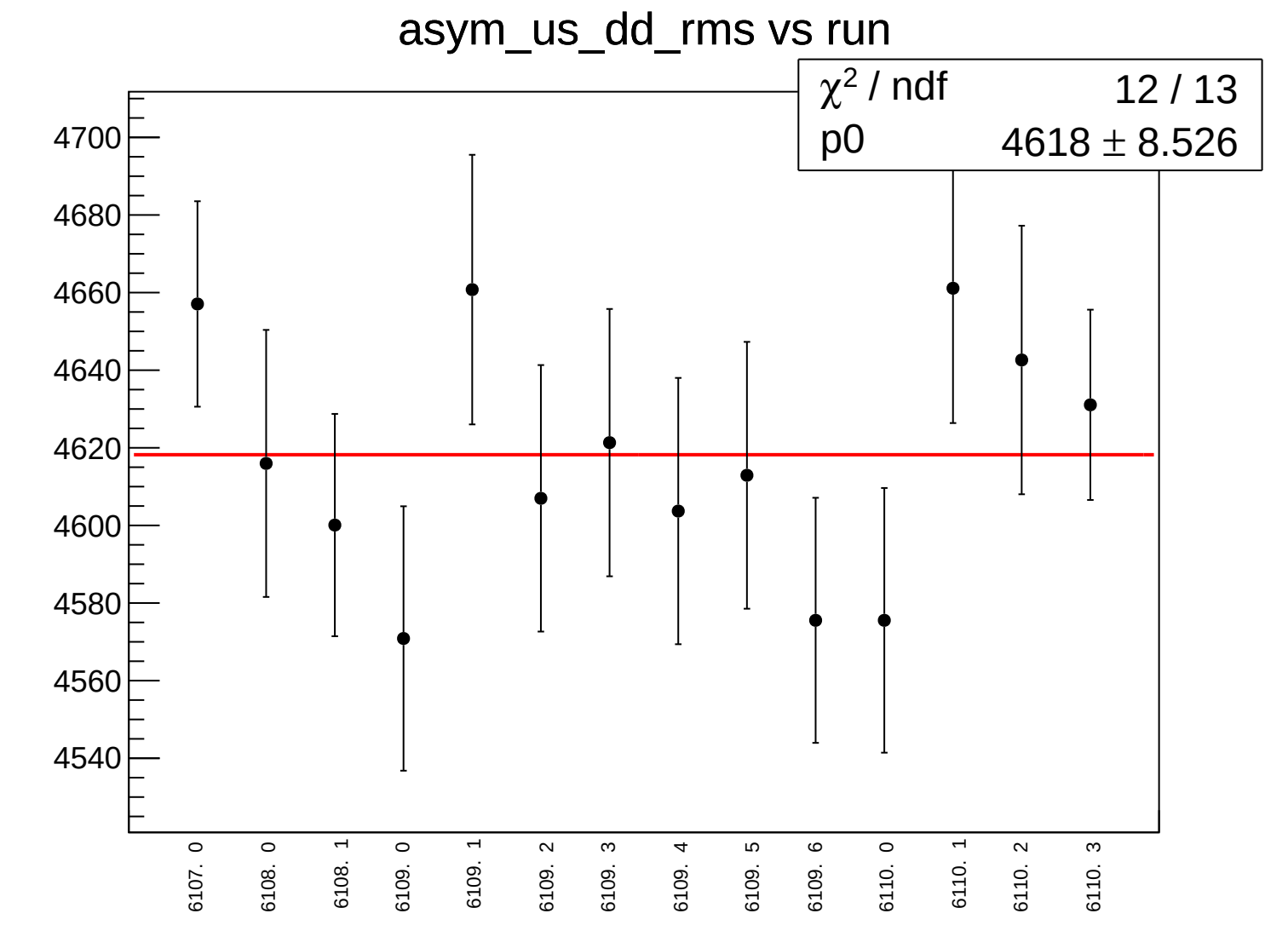

asym_us_dd_correction_mean vs run
×10^3
χ^2 / ndf 21.61 / 13
p0 6746 ± 4639
100
80
60
40
20
0
−20
−40
−60
−80
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −5.932
Std Dev 13.75
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

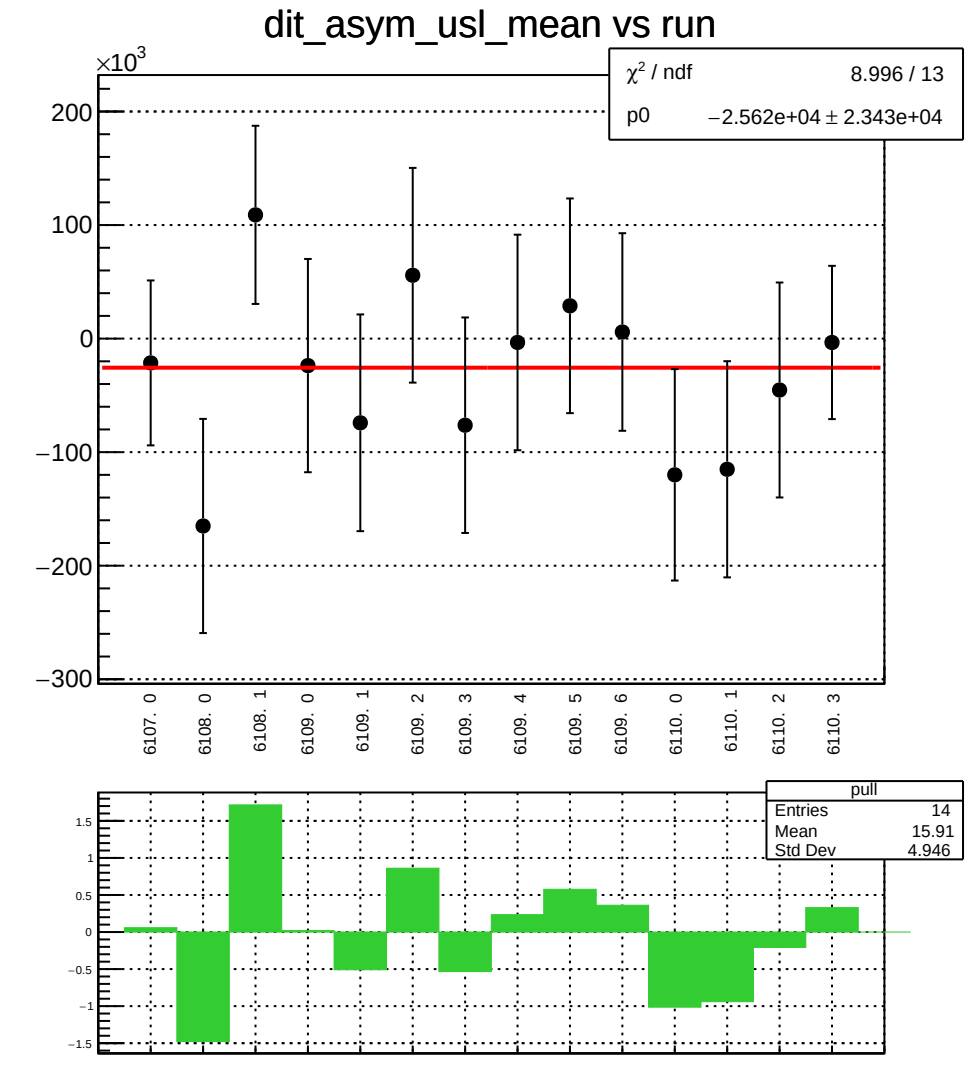

pull1D
Entries 14
Mean 0.1135
Std Dev 1.237
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

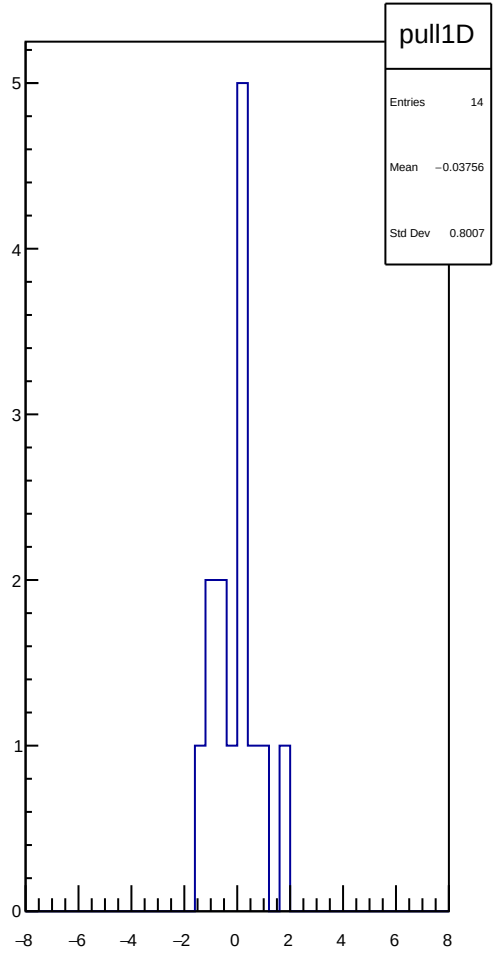

asym_us_dd_correction_rms vs run
χ² / ndf 1.804e+04 / 13
p0 1721 ± 3.28
2800
2600
2400
2200
2000
1800
1600
1400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

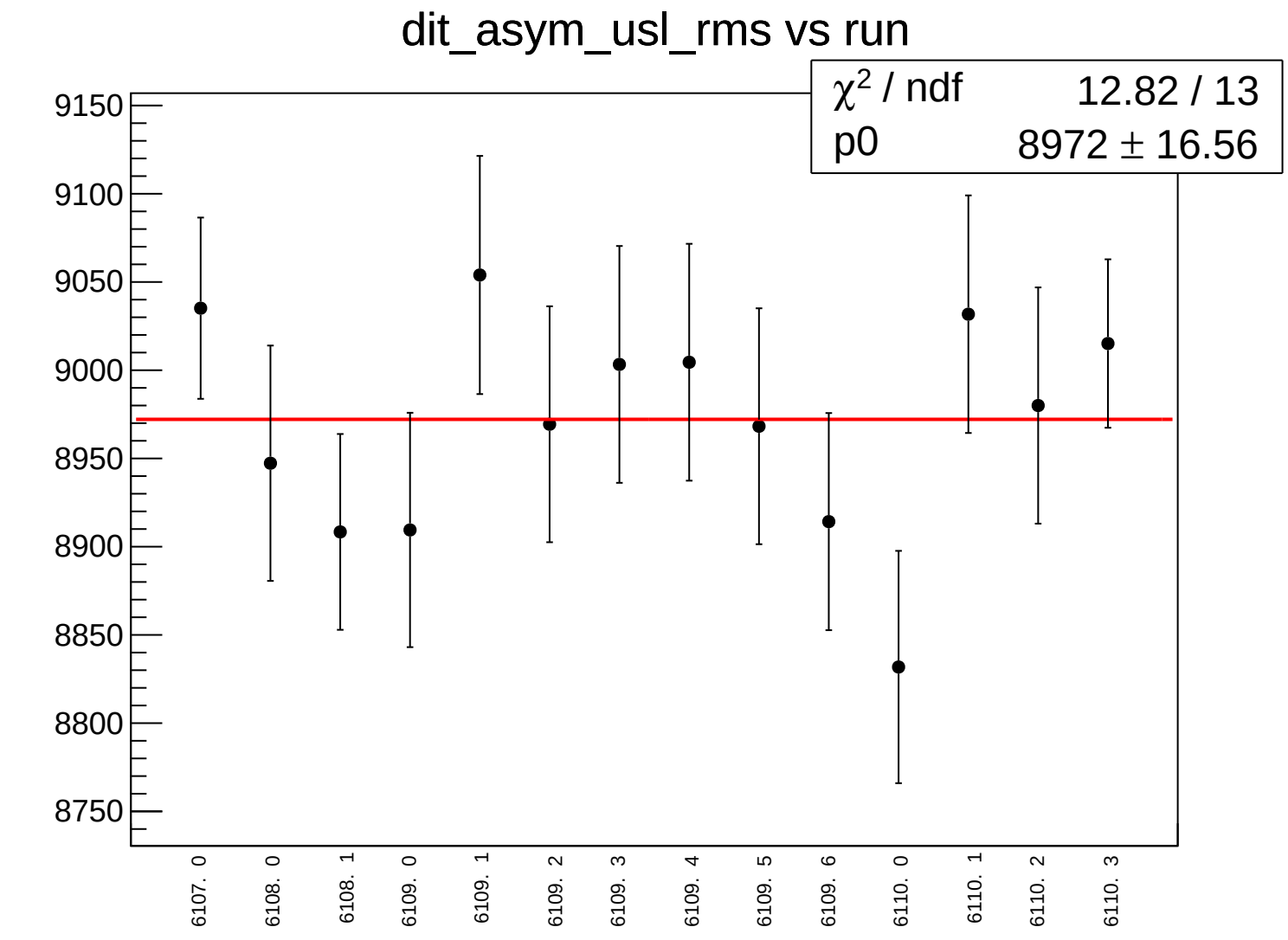

asym_us_dd_mean vs run
×10^3
χ² / ndf 9.539 / 13
p0 −8063 ± 1.206e+04
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.01
Std Dev 18.86
2
1.5
1
0.5
0
−0.5
−1
−1.5

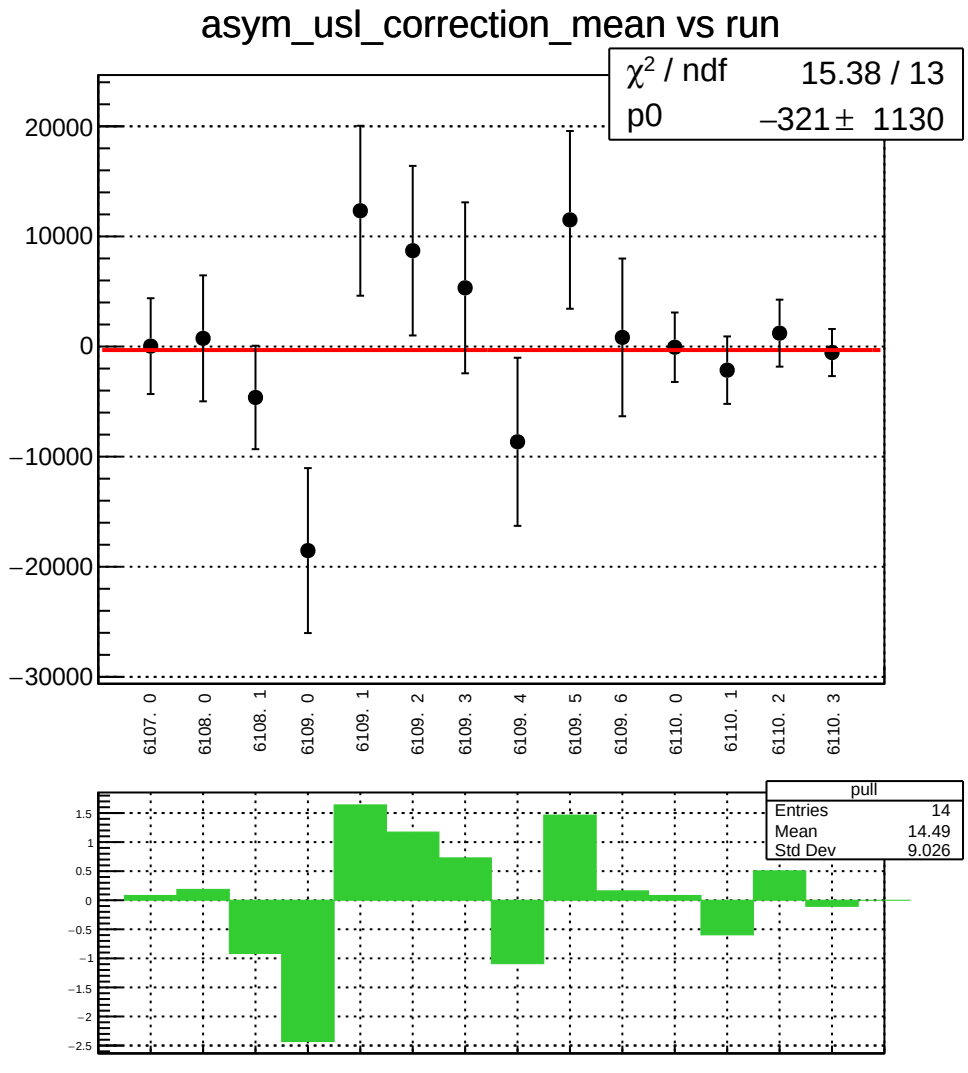

pull1D
Entries 14
Mean −0.03278
Std Dev 0.8248
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

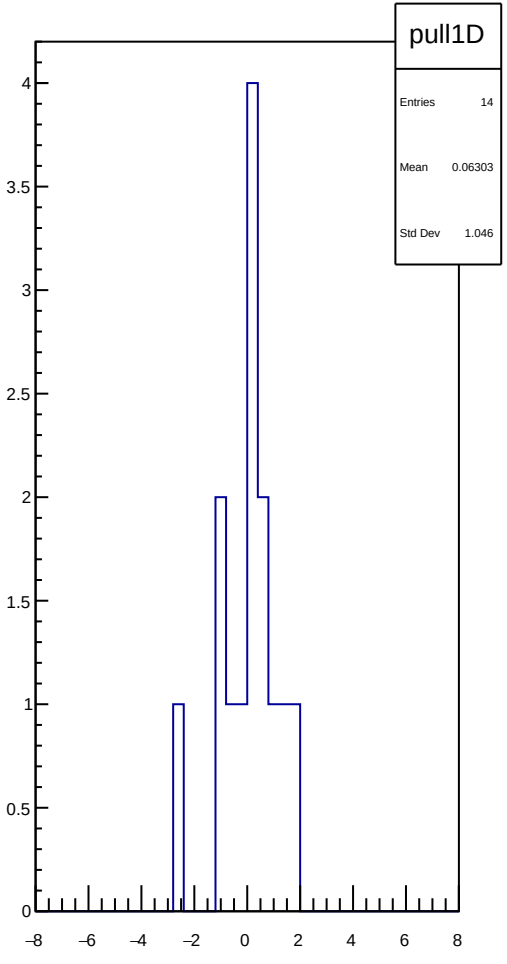

asym_us_dd_rms vs run
χ² / ndf 12 / 13
p0 4618 ± 8.526
4700
4680
4660
4640
4620
4600
4580
4560
4540
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

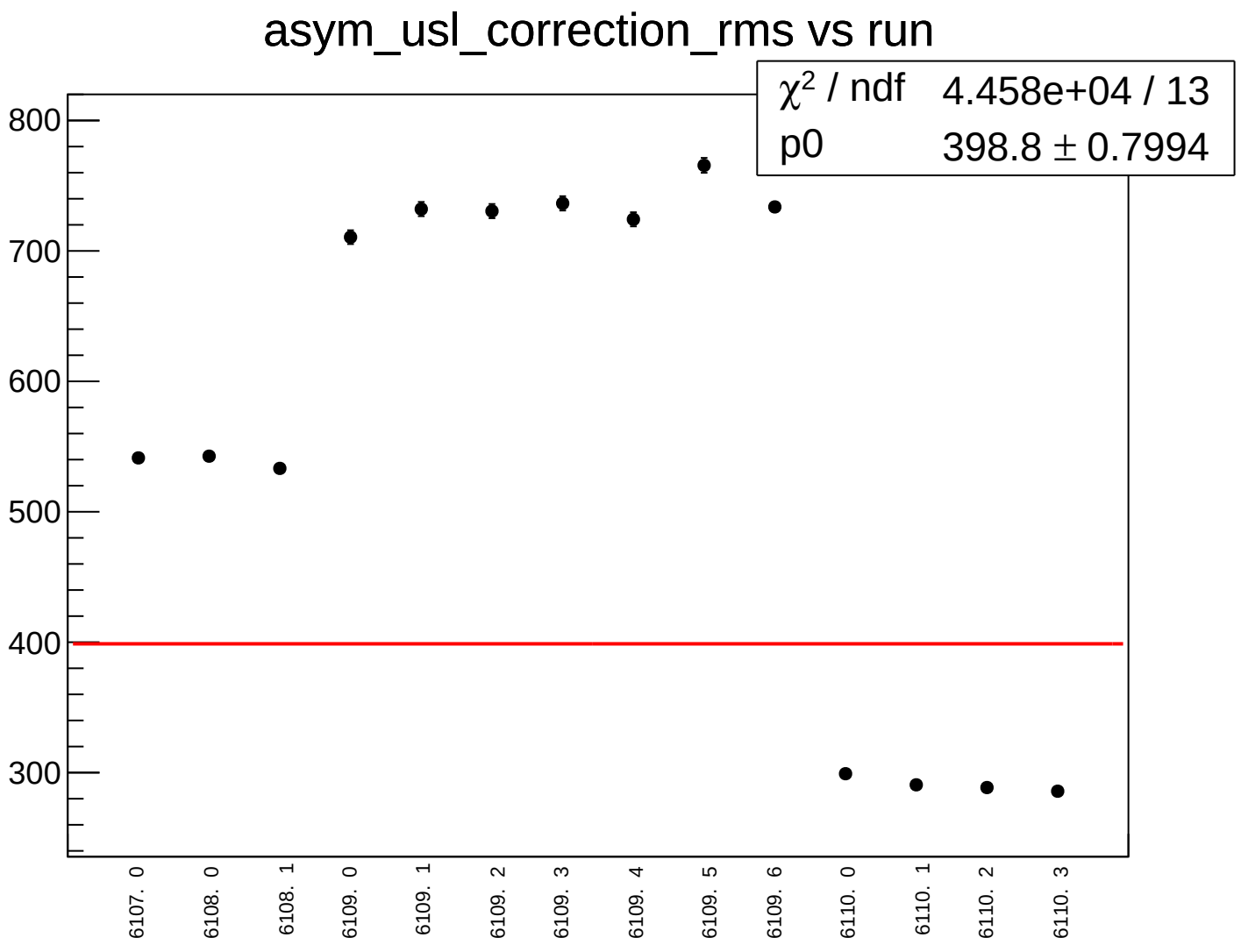

dit_asym_usl_mean vs run
×10^3
χ² / ndf 8.996 / 13
p0 −2.562e+04 ± 2.343e+04
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 15.91
Std Dev 4.946
1.5
1
0.5
0
−0.5
−1
−1.5

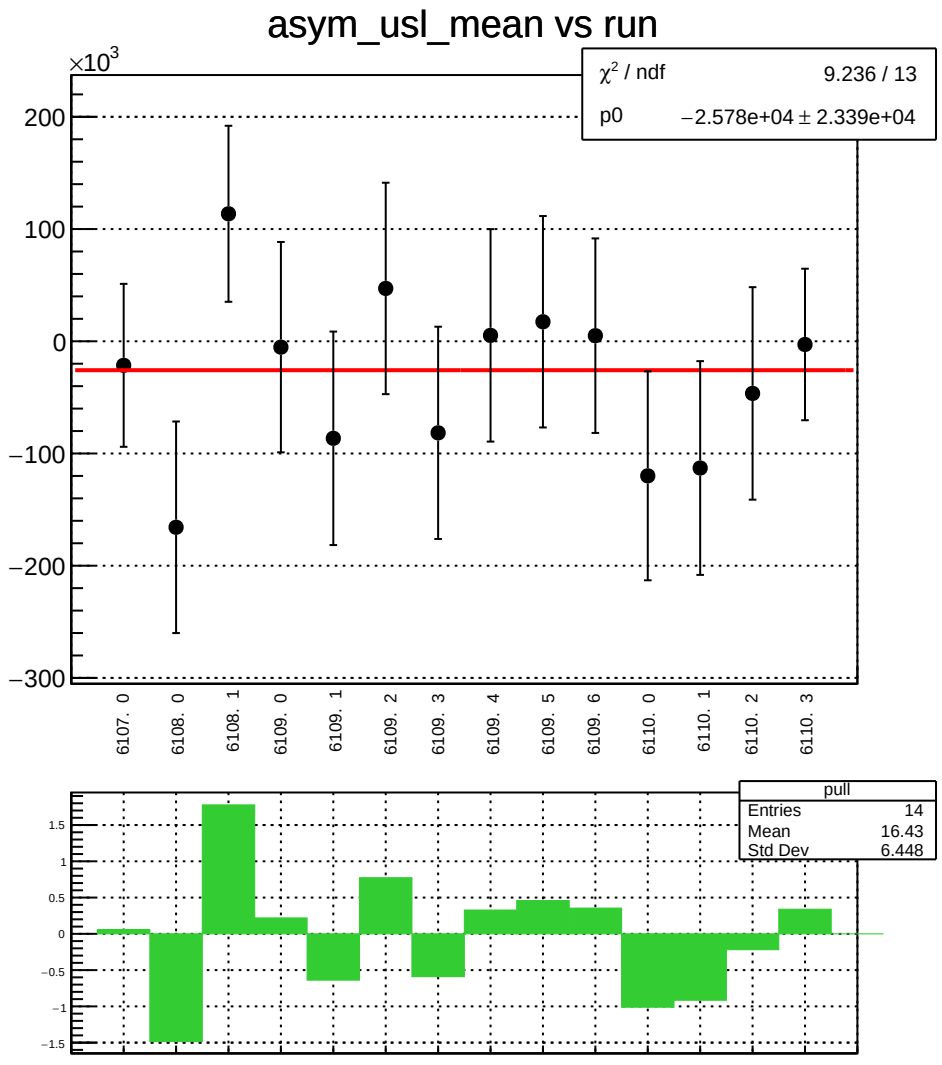

pull1D
Entries 14
Mean −0.03756
Std Dev 0.8007
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

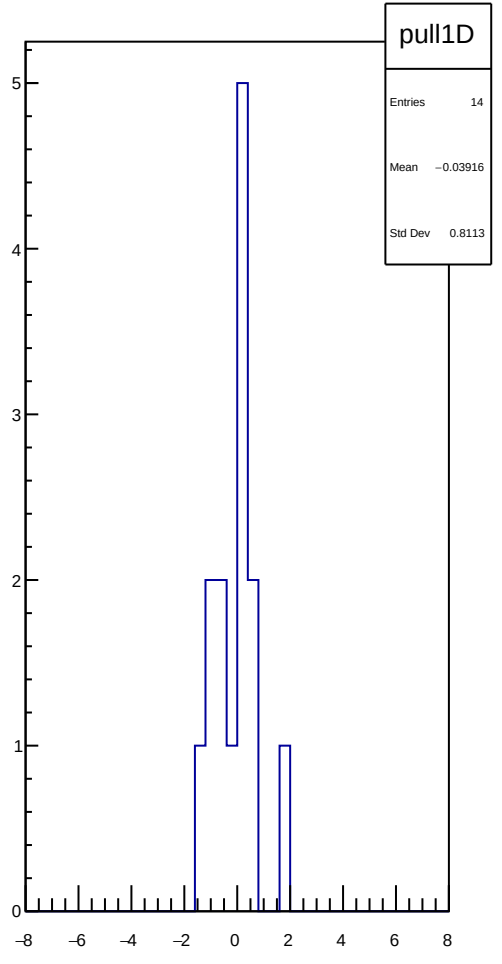

dit_asym_usl_rms vs run
χ² / ndf 12.82 / 13
p0 8972 ± 16.56
9150
9100
9050
9000
8950
8900
8850
8800
8750
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

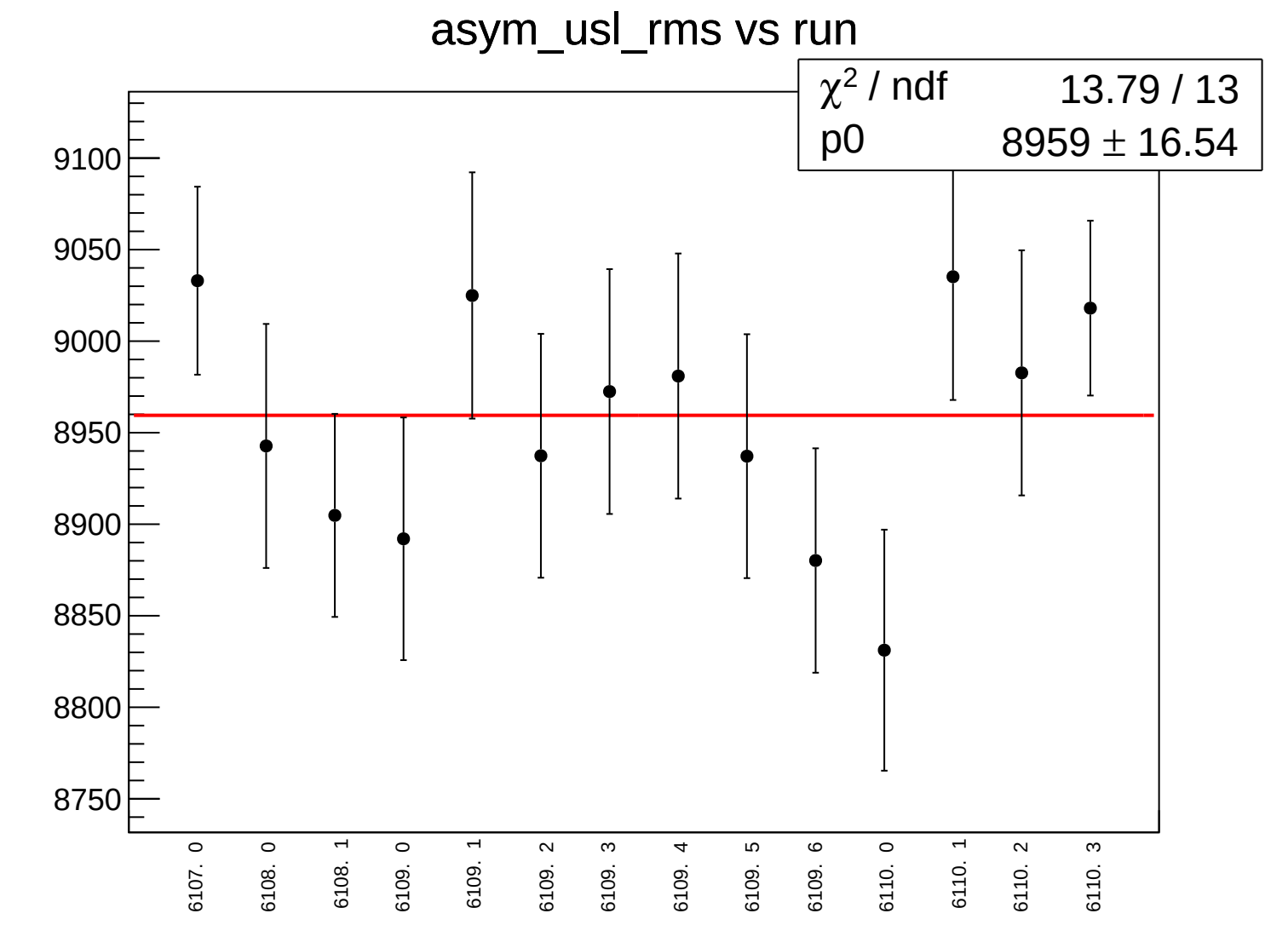

asym_usl_correction_mean vs run
χ² / ndf 15.38 / 13
p0 −321 ± 1130
20000
10000
0
−10000
−20000
−30000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 14.49
Std Dev 9.026
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

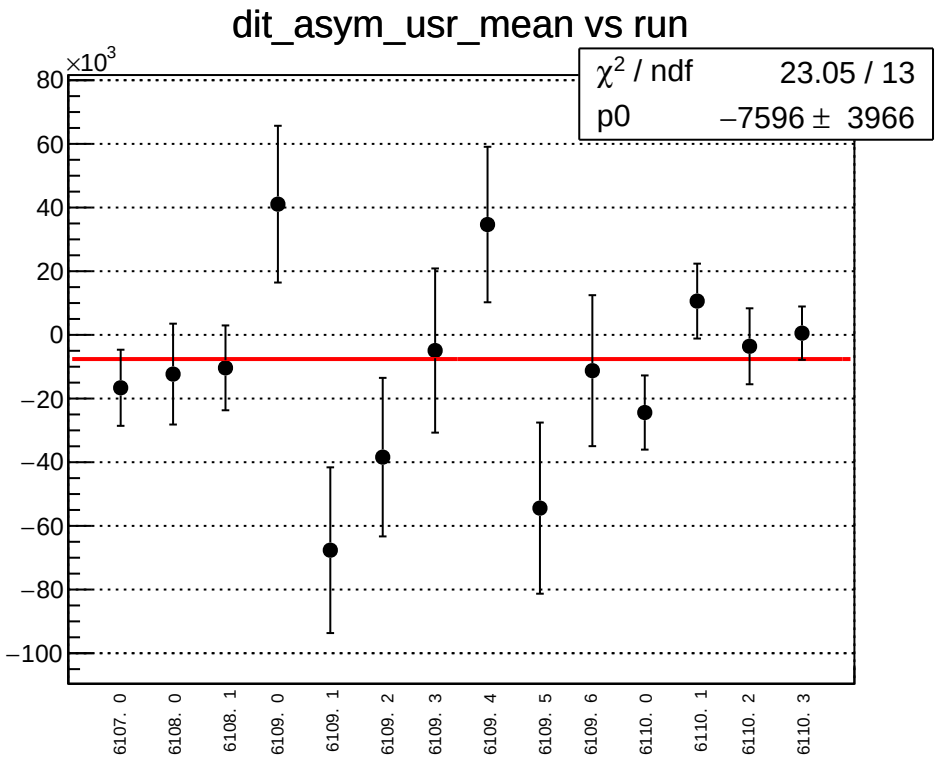

pull1D
Entries 14
Mean 0.06303
Std Dev 1.046
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

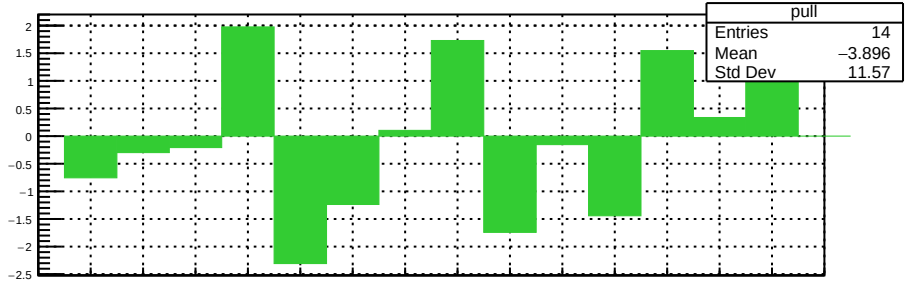

asym_usl_correction_rms vs run
χ² / ndf 4.458e+04 / 13
p0 398.8 ± 0.7994
800
700
600
500
400
300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

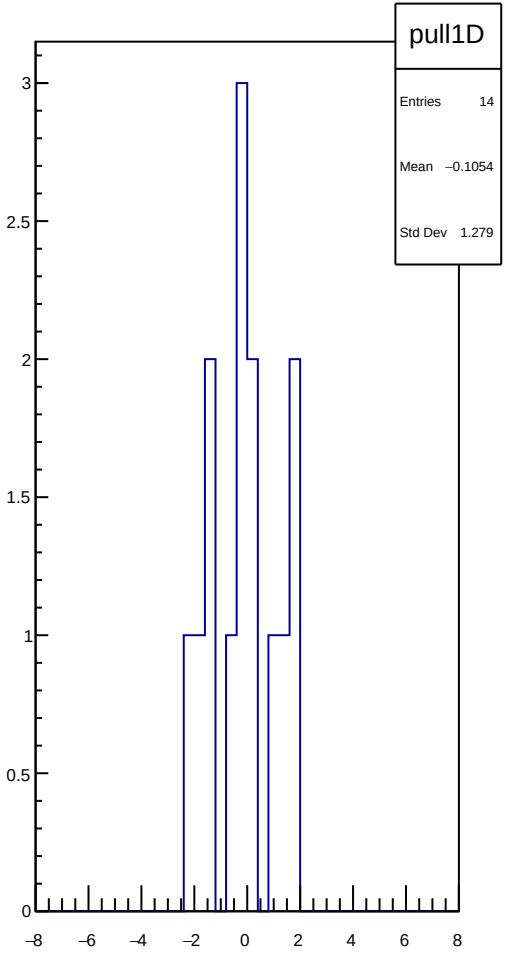

asym_usl_mean vs run
×10^3
χ² / ndf 9.236 / 13
p0 −2.578e+04 ± 2.339e+04
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 16.43
Std Dev 6.448
1.5
1
0.5
0
−0.5
−1
−1.5

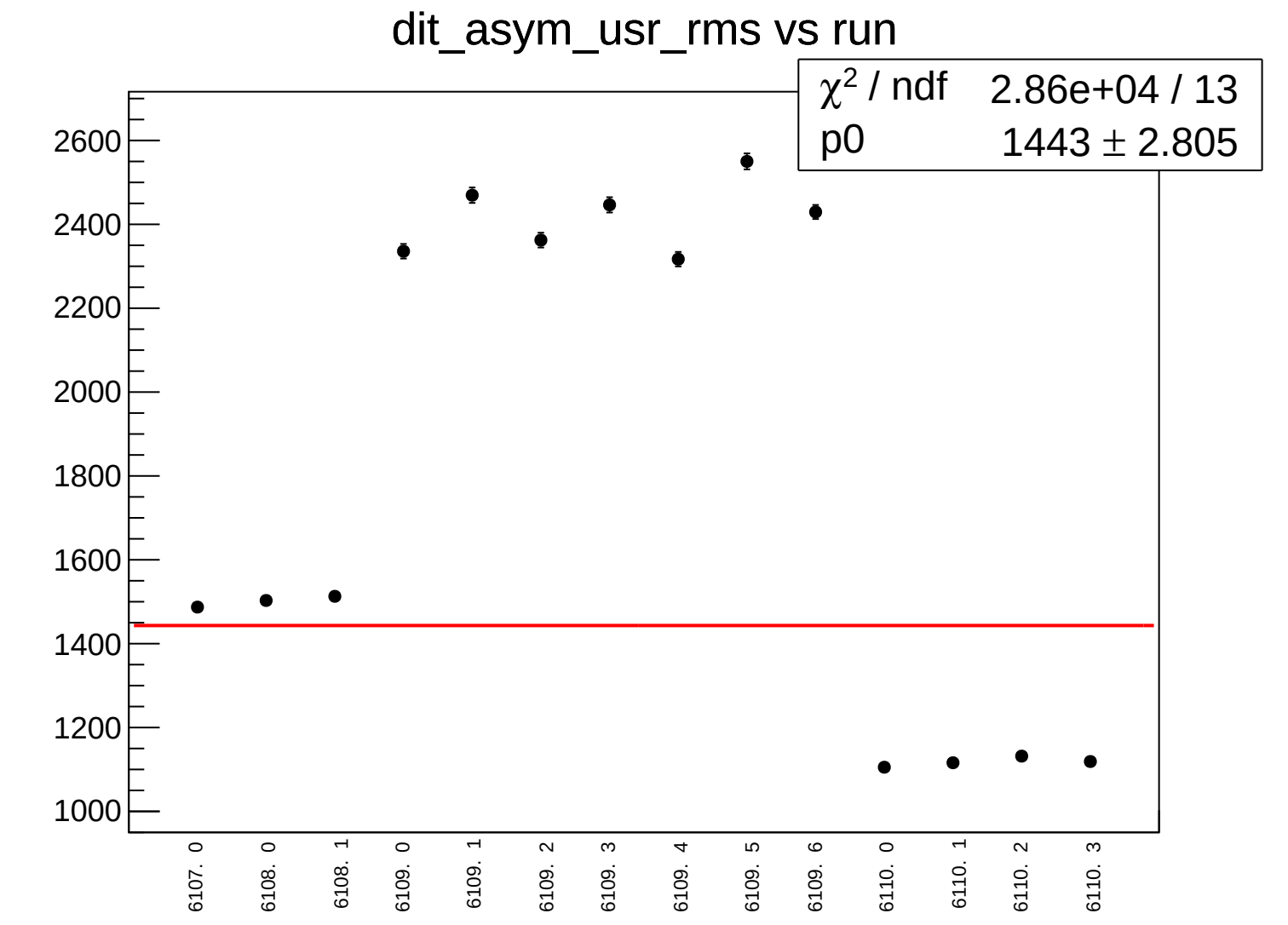

pull1D
Entries 14
Mean −0.03916
Std Dev 0.8113
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

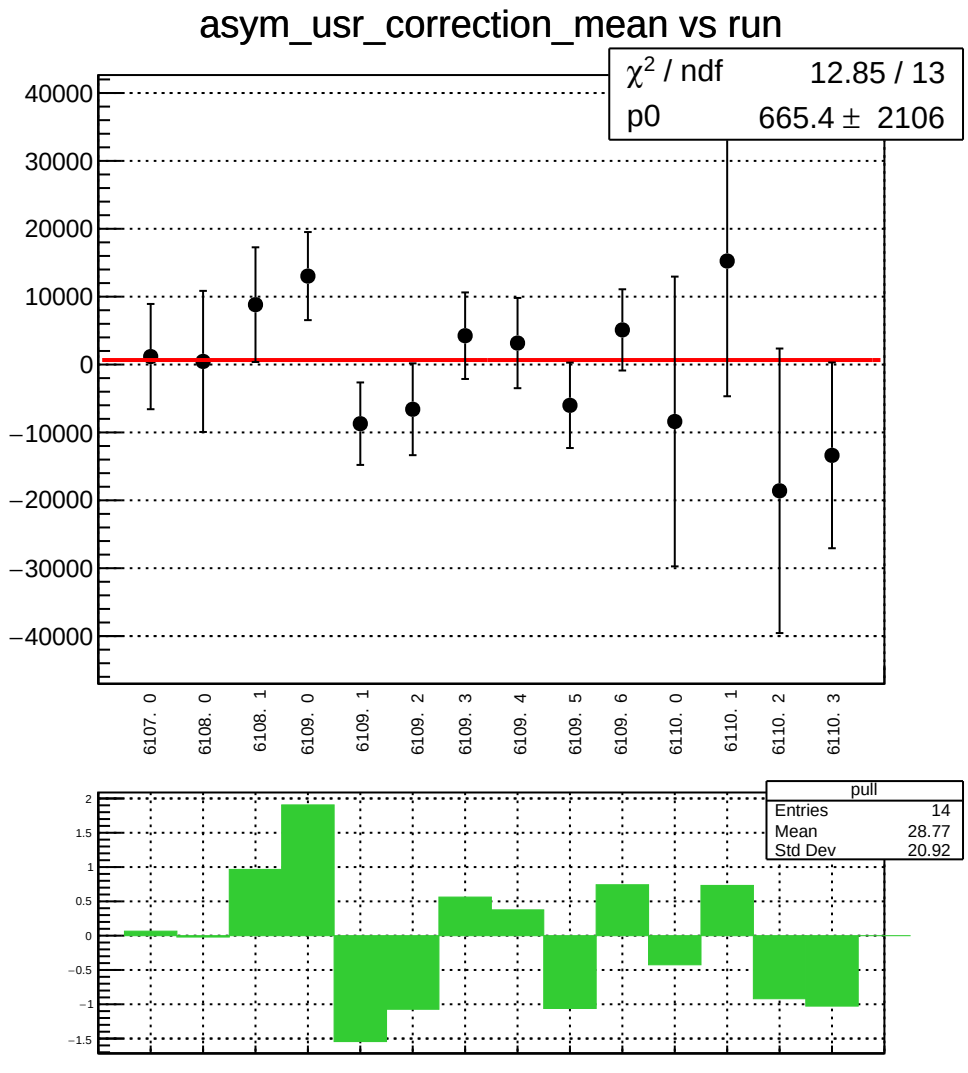

asym_usl_rms vs run
χ² / ndf 13.79 / 13
p0 8959 ± 16.54
9100
9050
9000
8950
8900
8850
8800
8750
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

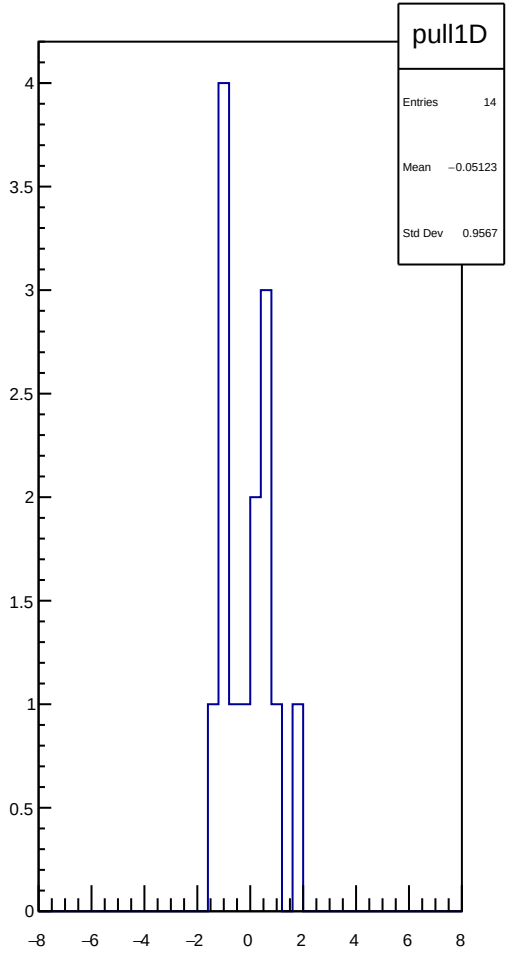

dit_asym_usr_mean vs run
×10^3
χ^2 / ndf 23.05 / 13
p0 −7596 ± 3966
80
60
40
20
0
−20
−40
−60
−80
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

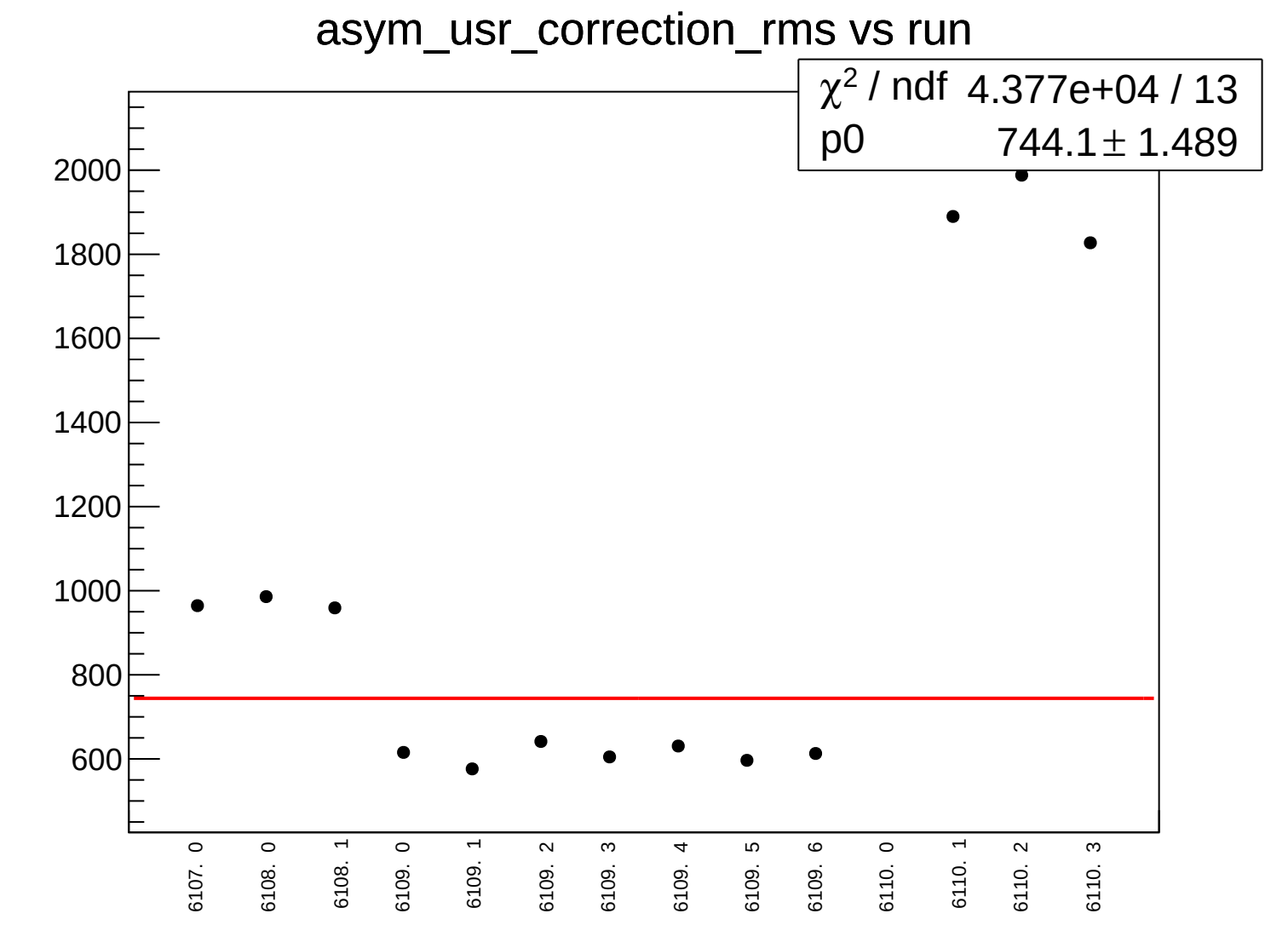

pull
Entries 14
Mean −3.896
Std Dev 11.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

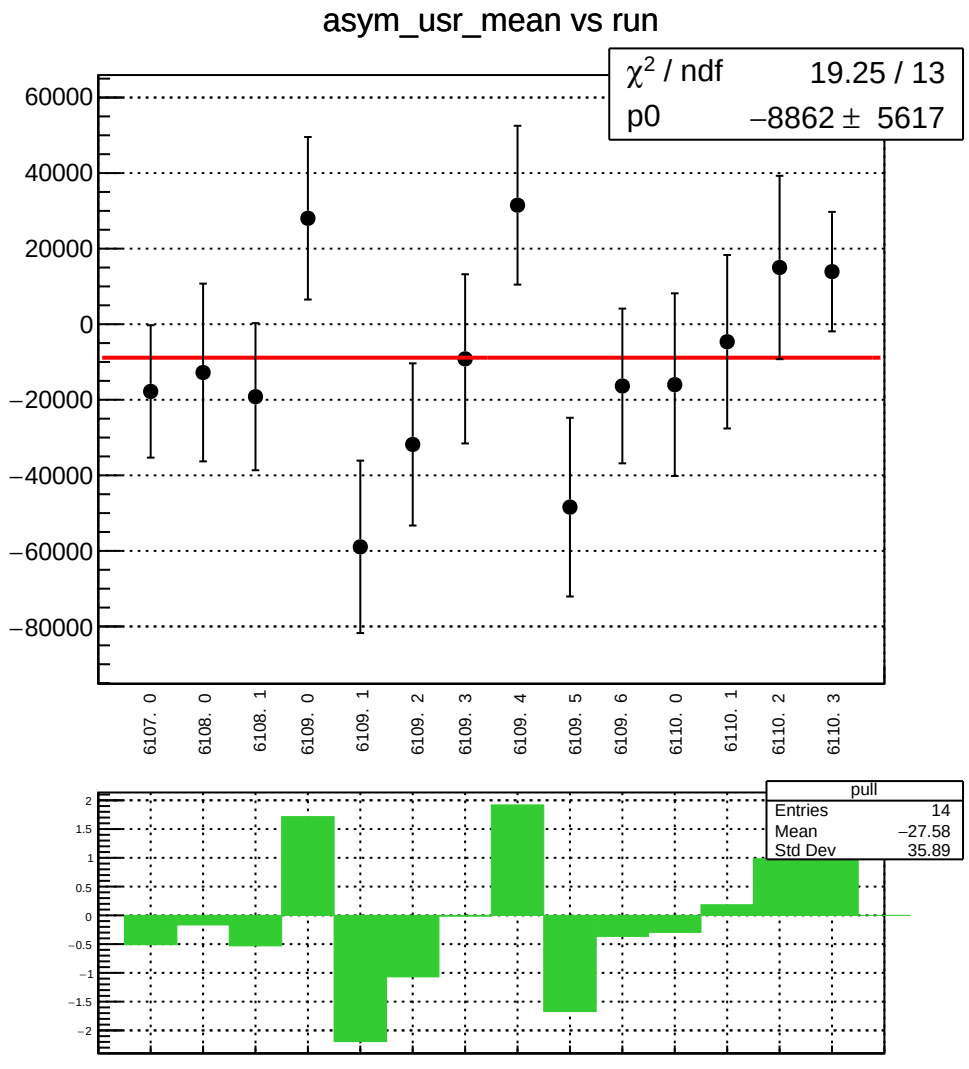

pull1D
Entries 14
Mean −0.1054
Std Dev 1.279
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

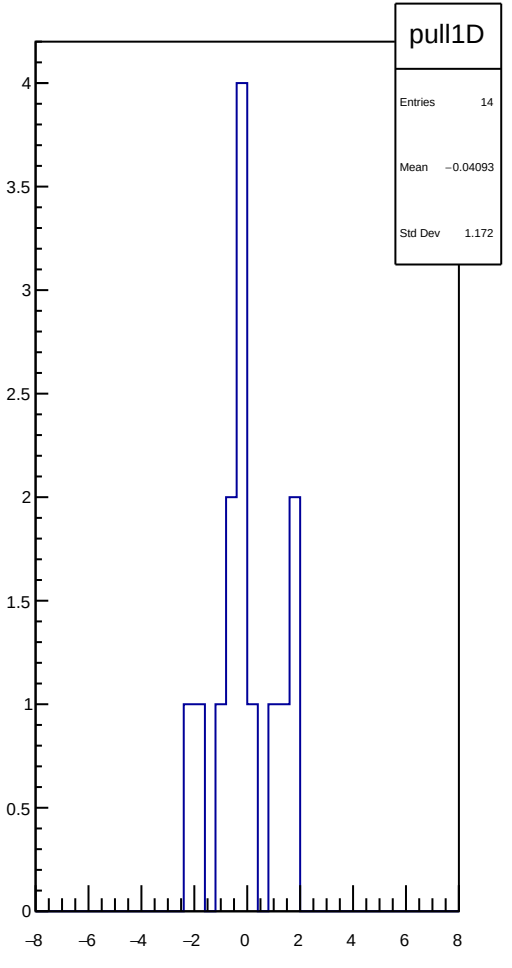

dit_asym_usr_rms vs run
χ² / ndf 2.86e+04 / 13
p0 1443 ± 2.805
2600
2400
2200
2000
1800
1600
1400
1200
1000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

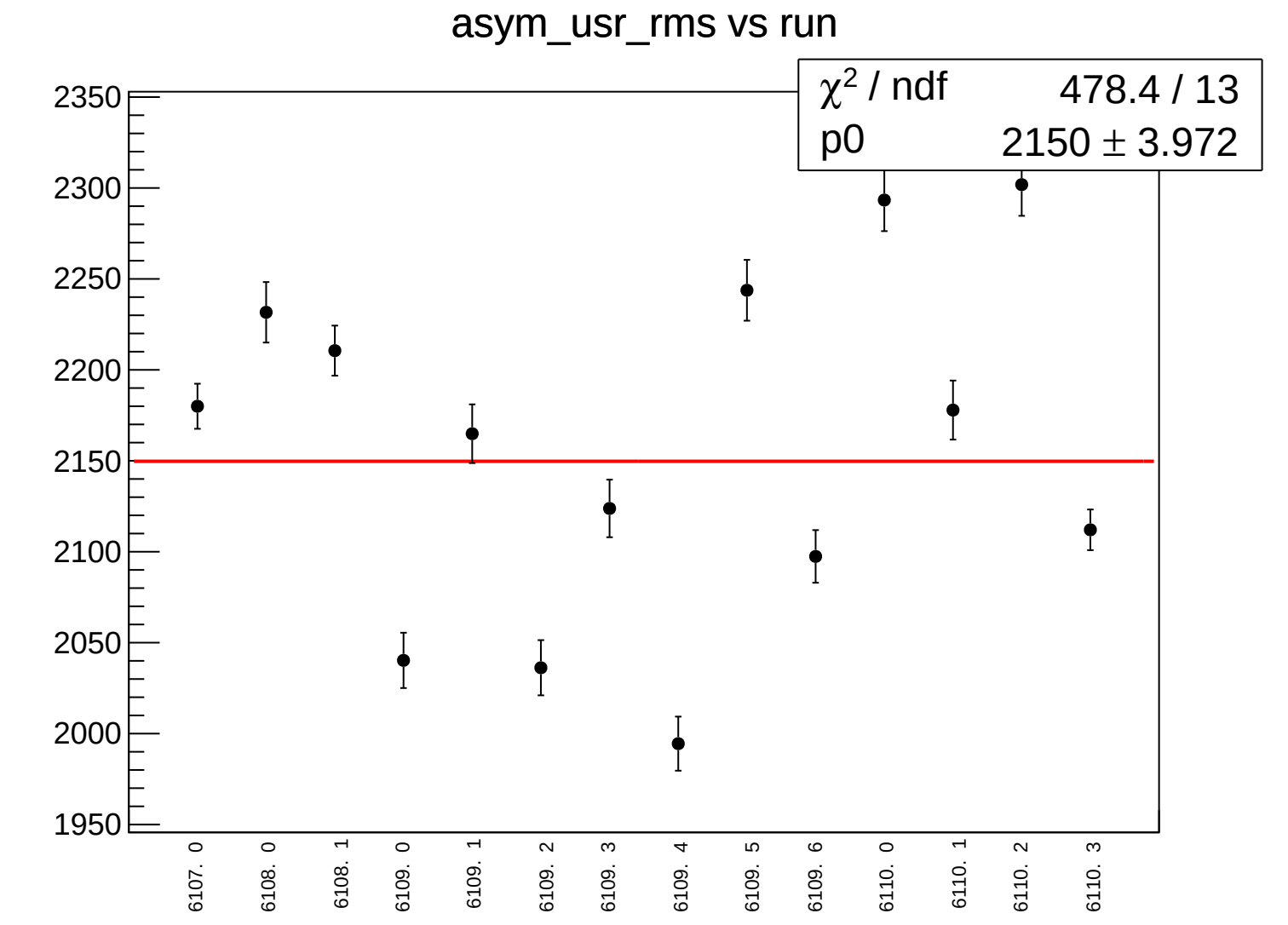

asym_usr_correction_mean vs run
χ² / ndf 12.85 / 13
p0 665.4 ± 2106
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.77
Std Dev 20.92
2
1.5
1
0.5
0
−0.5
−1
−1.5

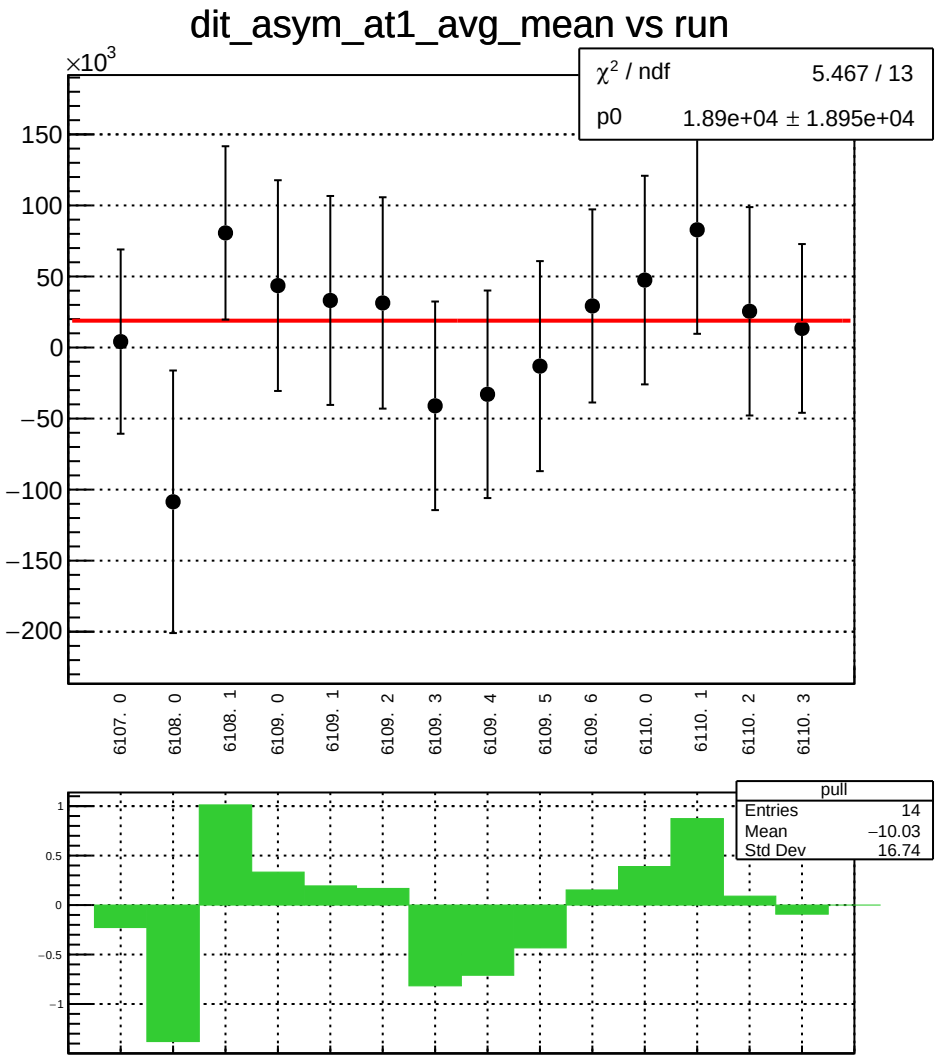

pull1D
Entries 14
Mean −0.05123
Std Dev 0.9567
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

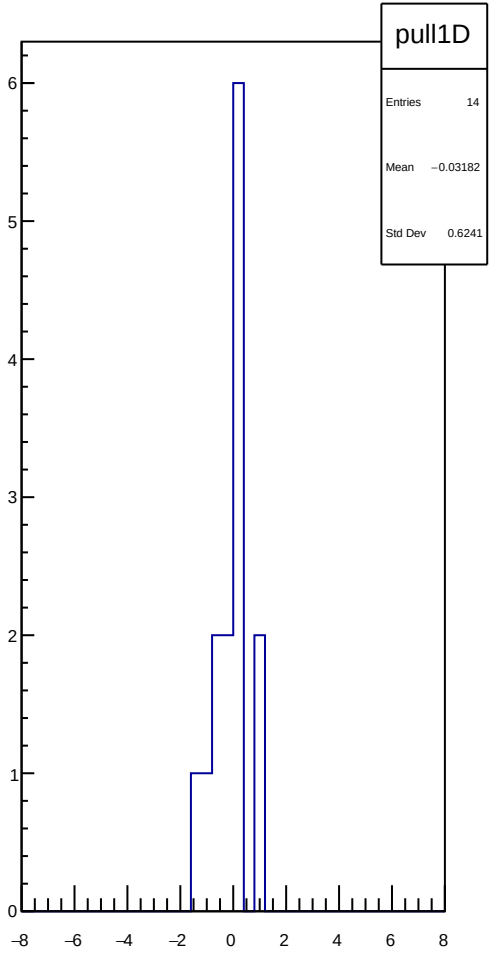

asym_usr_correction_rms vs run
χ² / ndf 4.377e+04 / 13
p0 744.1 ± 1.489
2000
1800
1600
1400
1200
1000
800
600
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

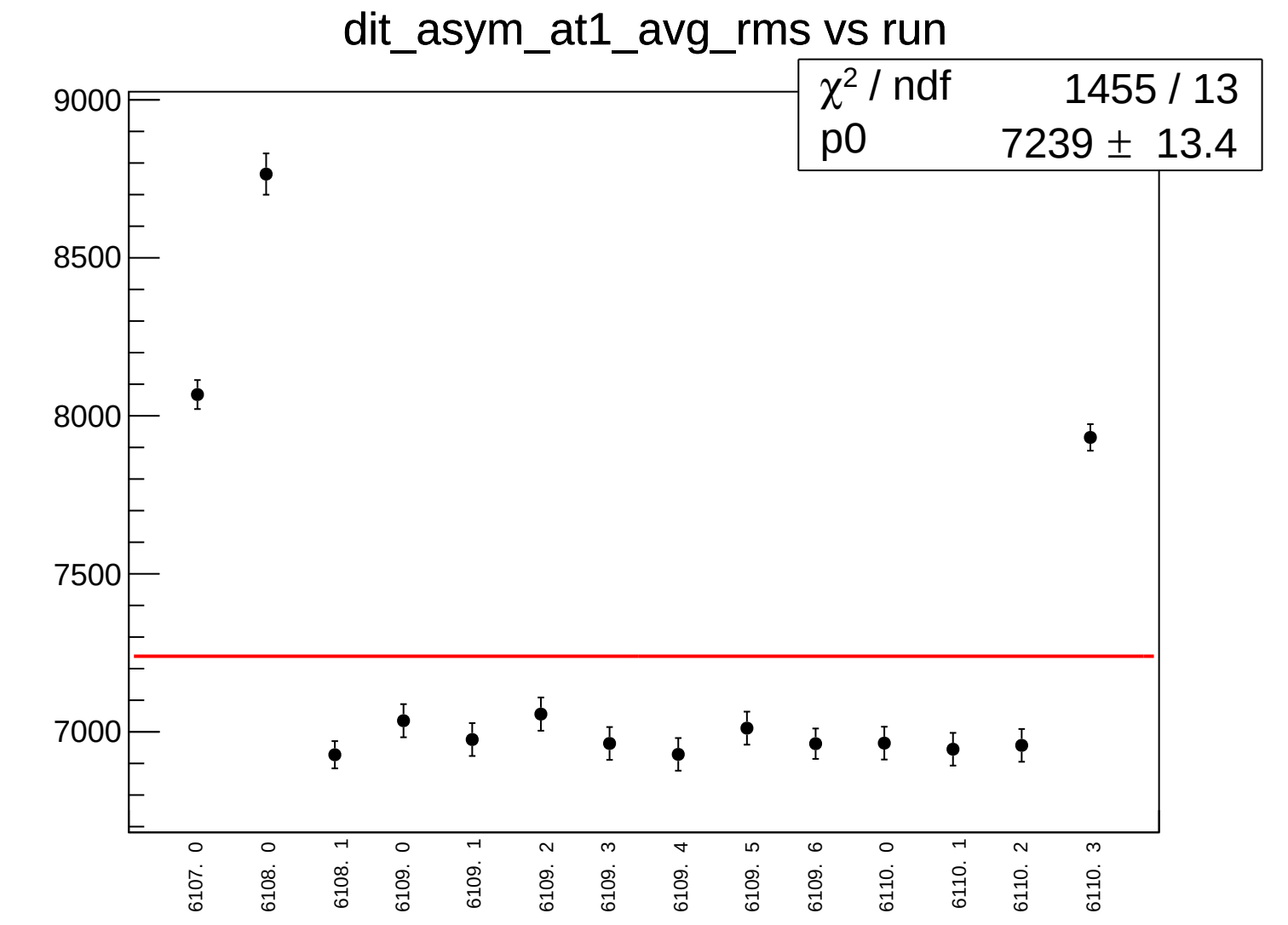

asym_usr_mean vs run
χ² / ndf 19.25 / 13
p0 −8862 ± 5617
60000
40000
20000
0
−20000
−40000
−60000
−80000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −27.58
Std Dev 35.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

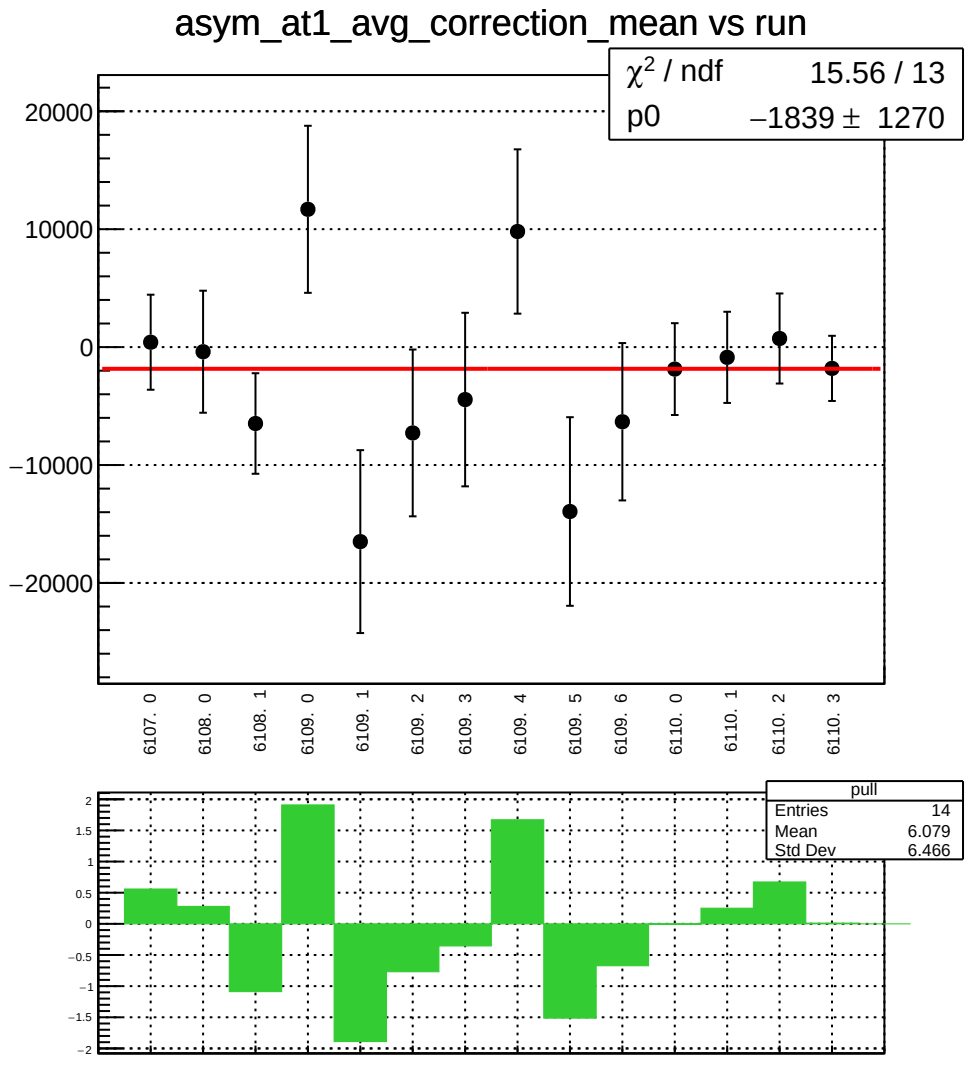

pull1D
Entries 14
Mean −0.04093
Std Dev 1.172
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

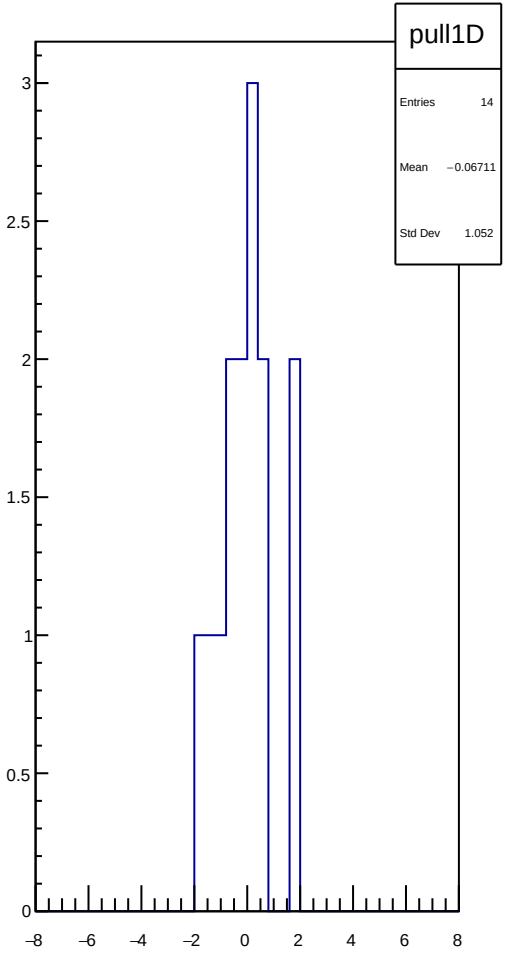

asym_usr_rms vs run
χ² / ndf 478.4 / 13
p0 2150 ± 3.972
2350
2300
2250
2200
2150
2100
2050
2000
1950
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

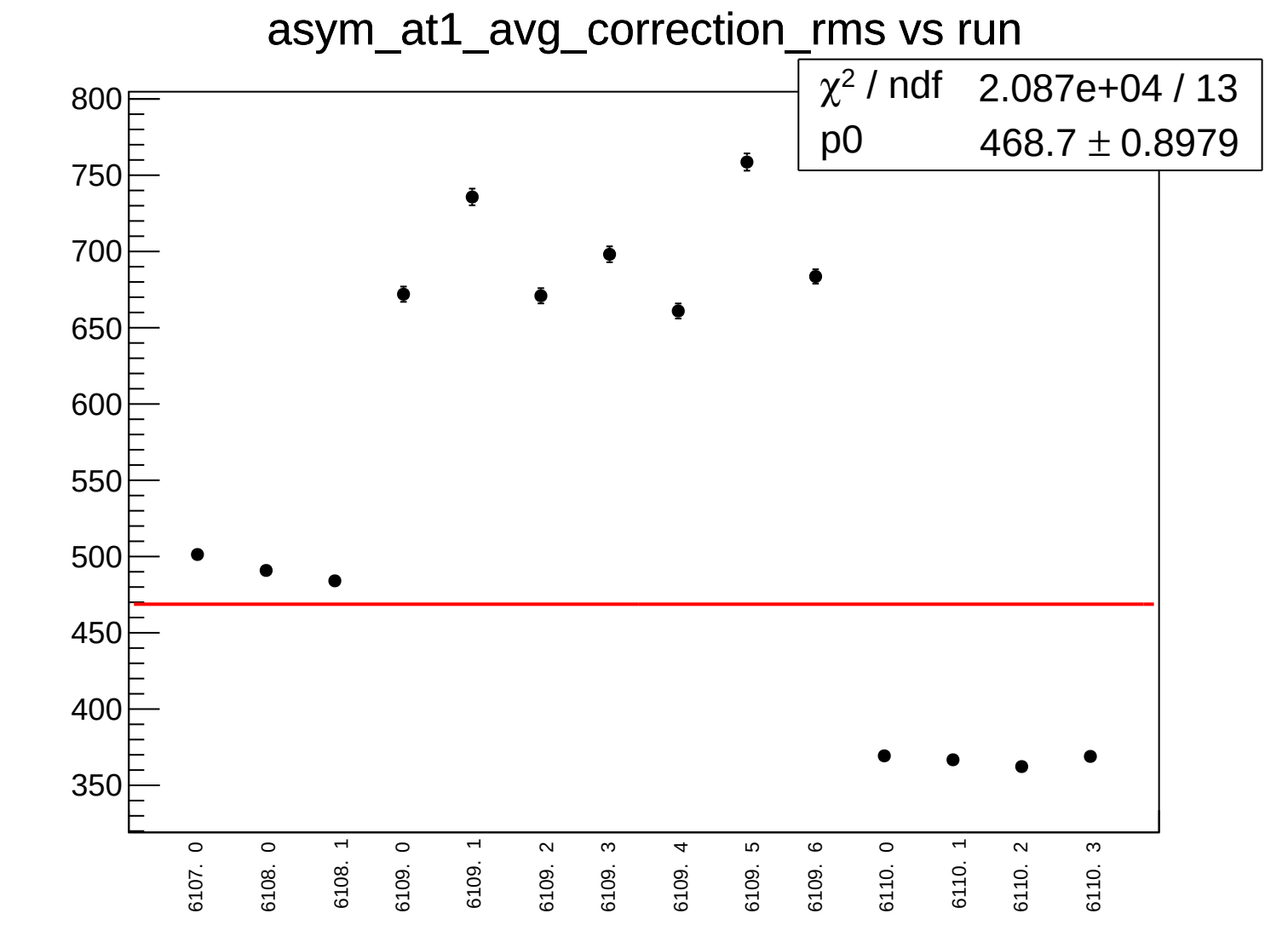

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 5.467 / 13
p0 1.89e+04 ± 1.895e+04
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −10.03
Std Dev 16.74
1
0.5
0
−0.5
−1

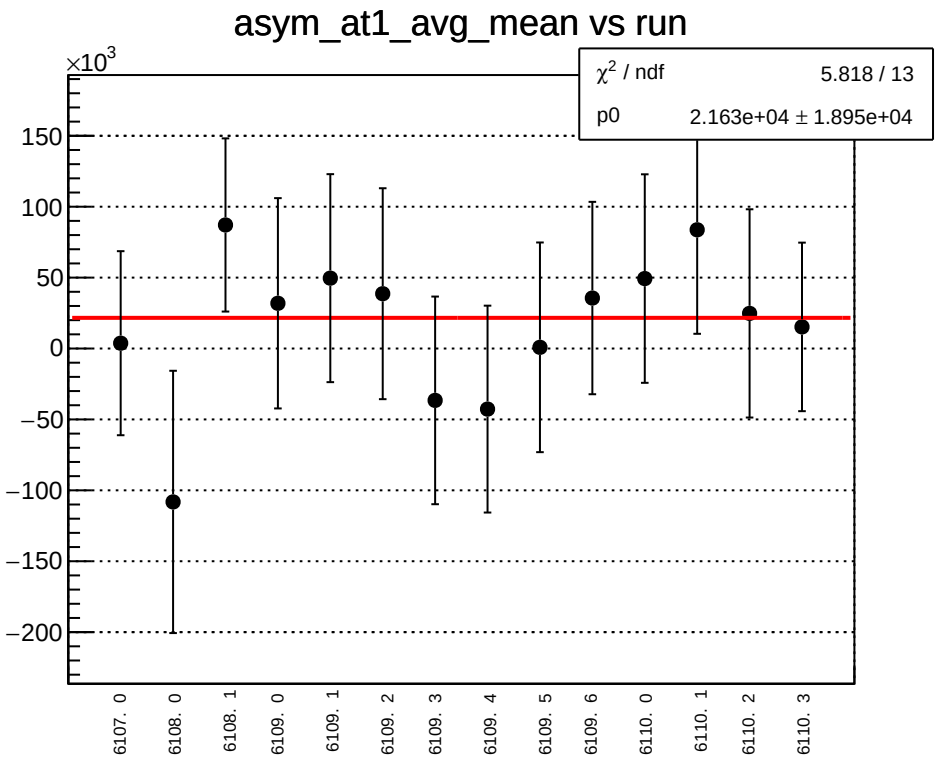

pull1D
Entries 14
Mean −0.03182
Std Dev 0.6241
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

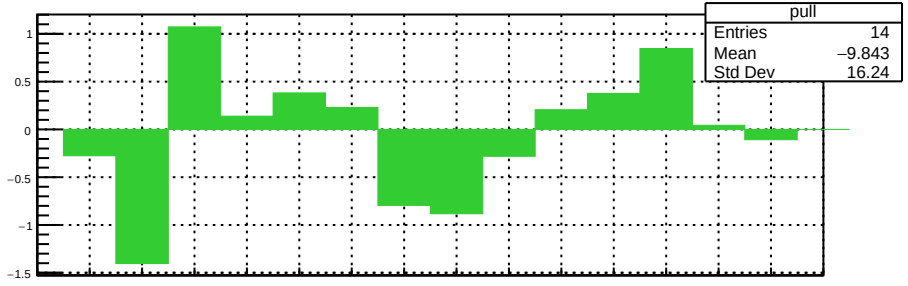

dit_asym_at1_avg_rms vs run
χ² / ndf 1455 / 13
p0 7239 ± 13.4
9000
8500
8000
7500
7000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

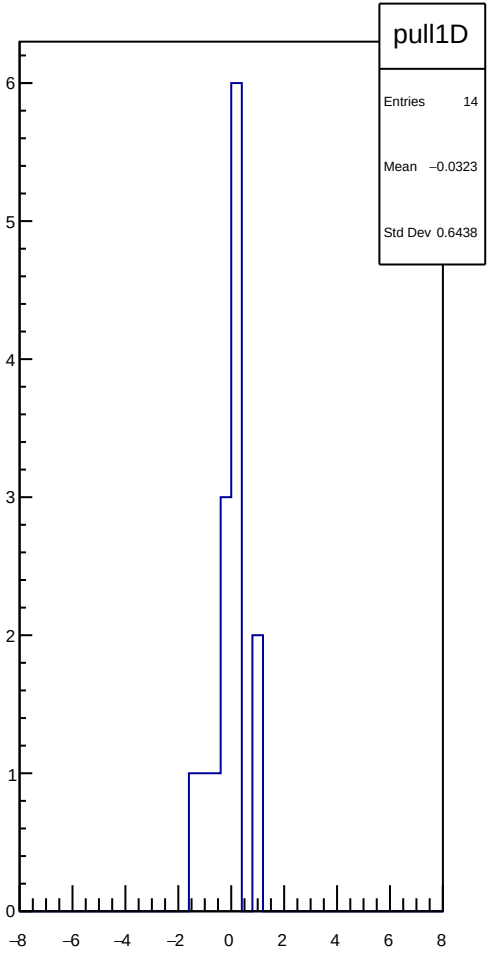

asym_at1_avg_correction_mean vs run
χ² / ndf 15.56 / 13
p0 −1839 ± 1270
20000
10000
0
−10000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 6.079
Std Dev 6.466
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

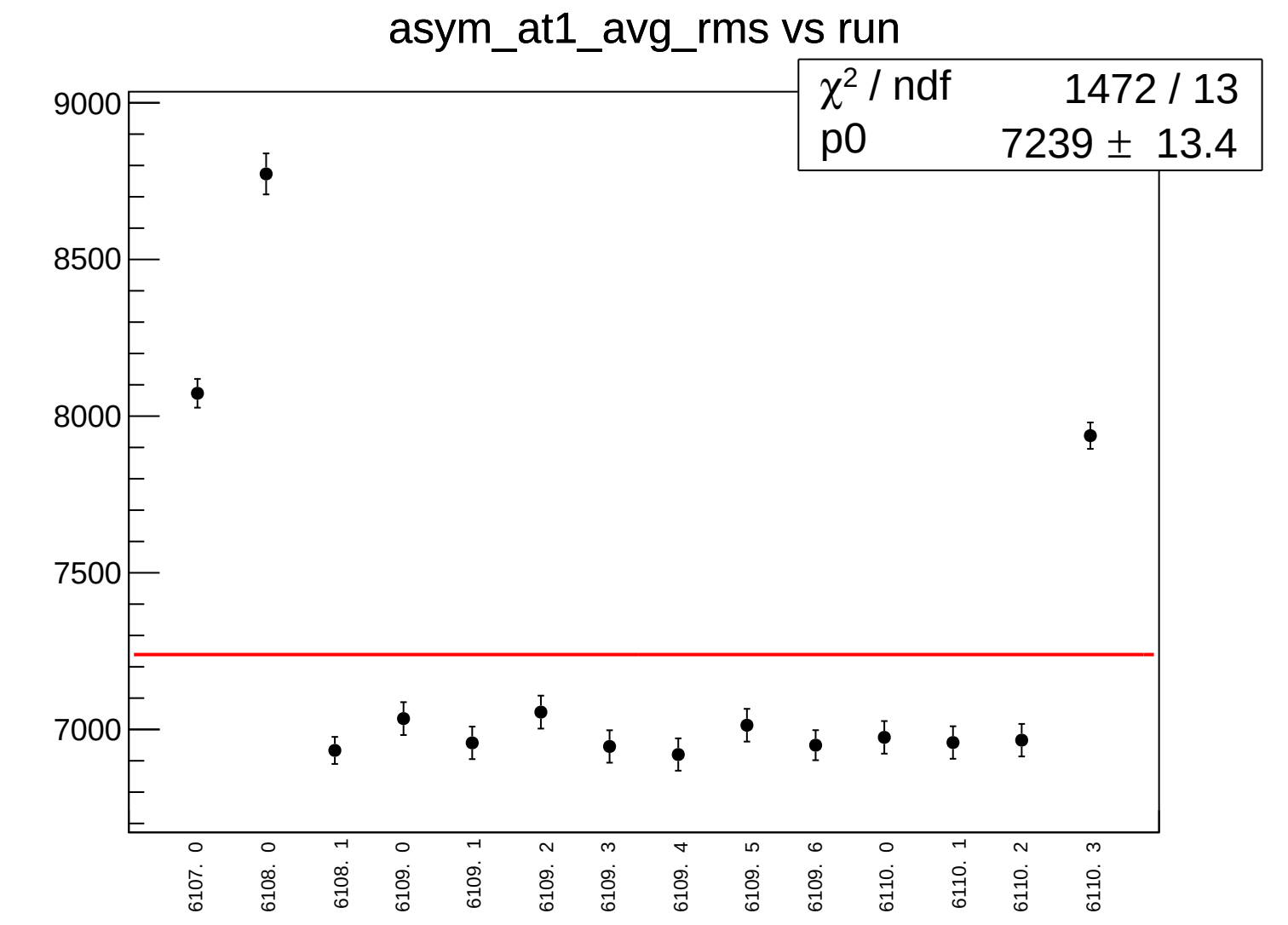

pull1D
Entries 14
Mean −0.06711
Std Dev 1.052
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

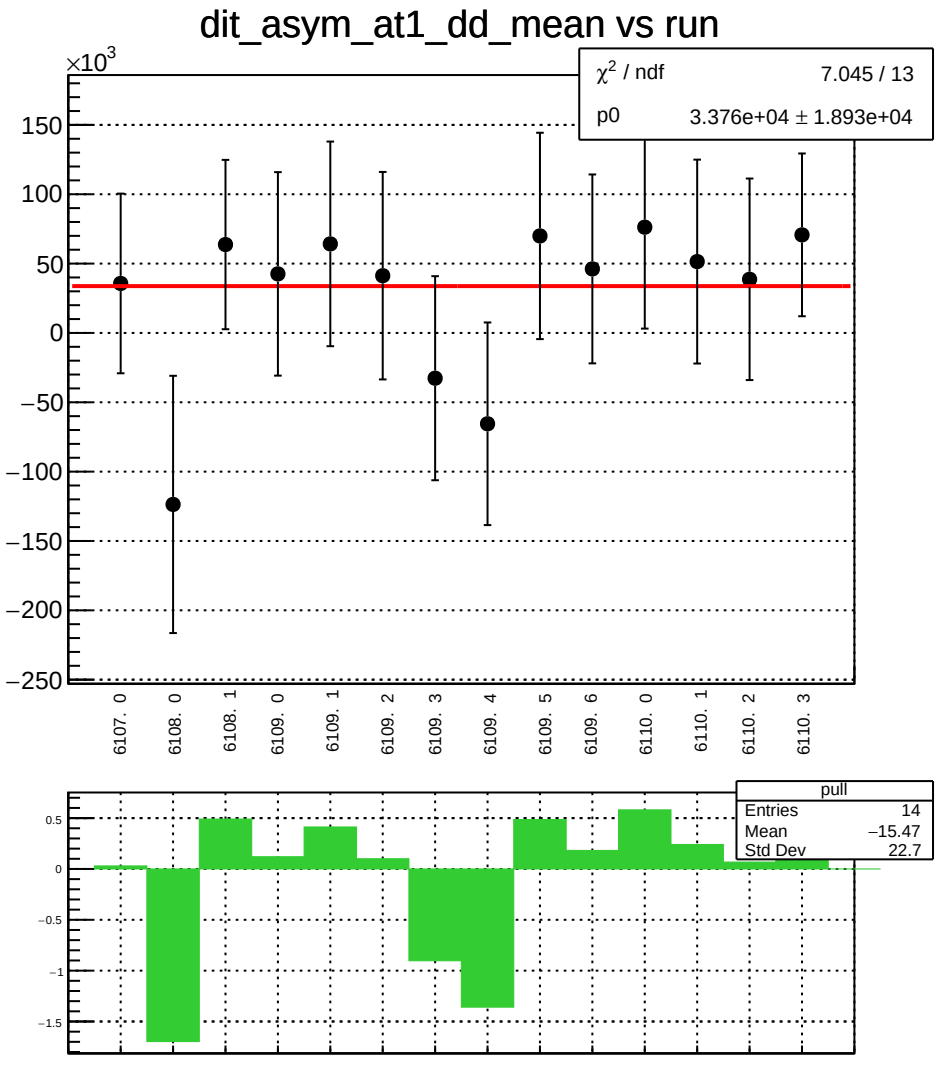

asym_at1_avg_correction_rms vs run
χ² / ndf 2.087e+04 / 13
p0 468.7 ± 0.8979
800
750
700
650
600
550
500
450
400
350
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

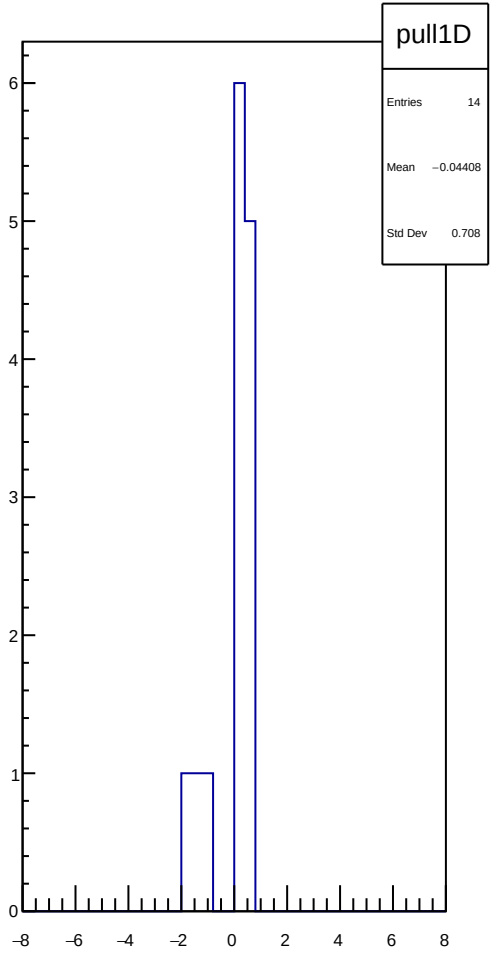

asym_at1_avg_mean vs run
×10^3
χ² / ndf 5.818 / 13
p0 2.163e+04 ± 1.895e+04
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

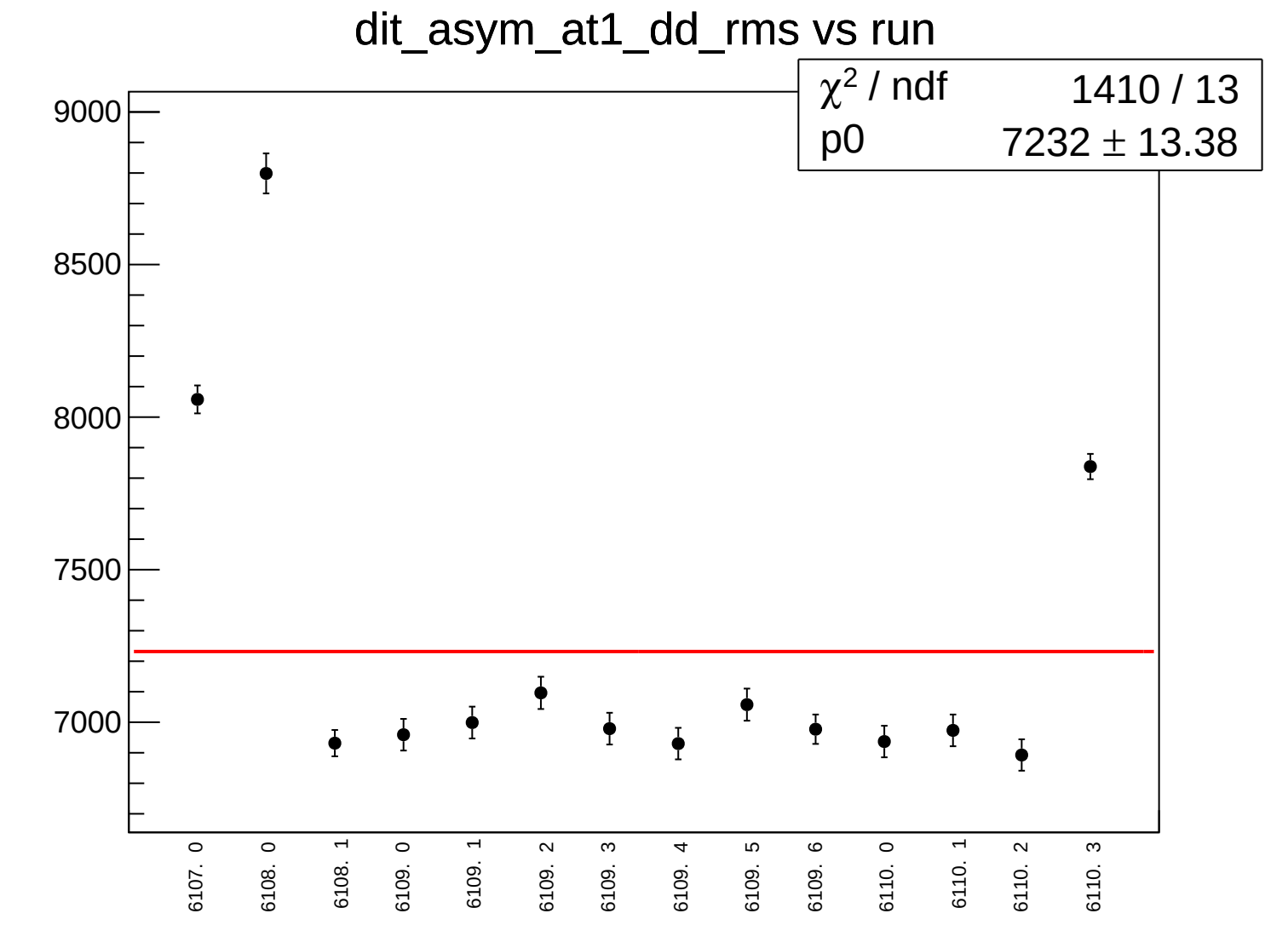

pull
Entries 14
Mean −9.843
Std Dev 16.24
1
0.5
0
−0.5
−1
−1.5

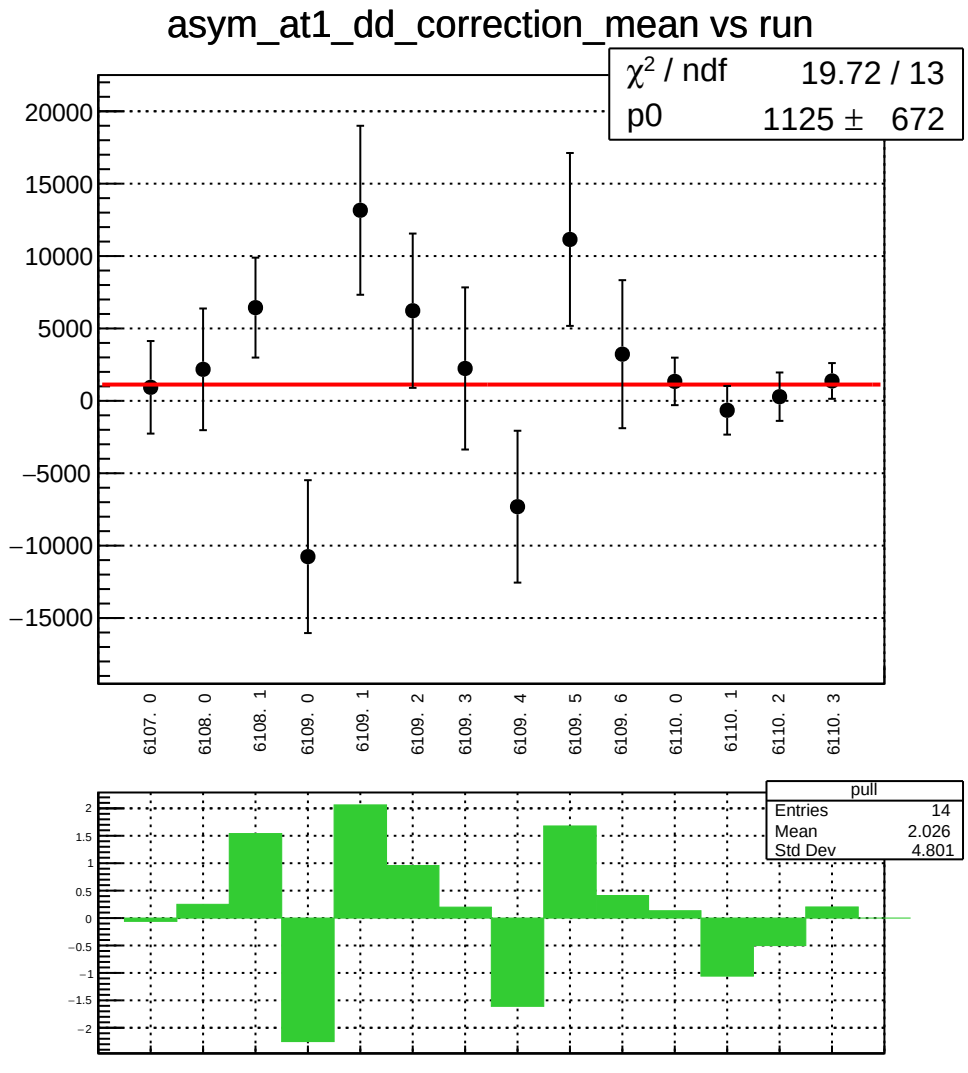

pull1D
Entries 14
Mean −0.0323
Std Dev 0.6438
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

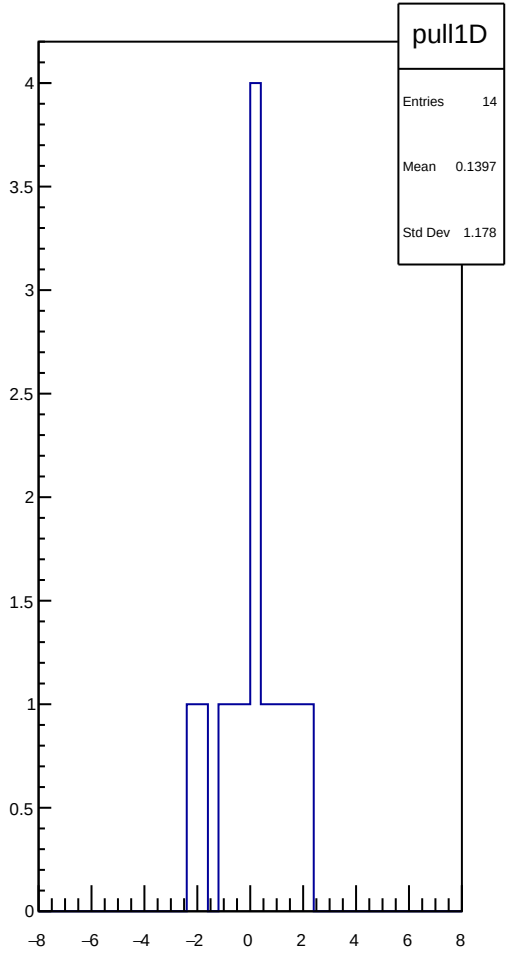

asym_at1_avg_rms vs run
χ² / ndf 1472 / 13
p0 7239 ± 13.4
9000
8500
8000
7500
7000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

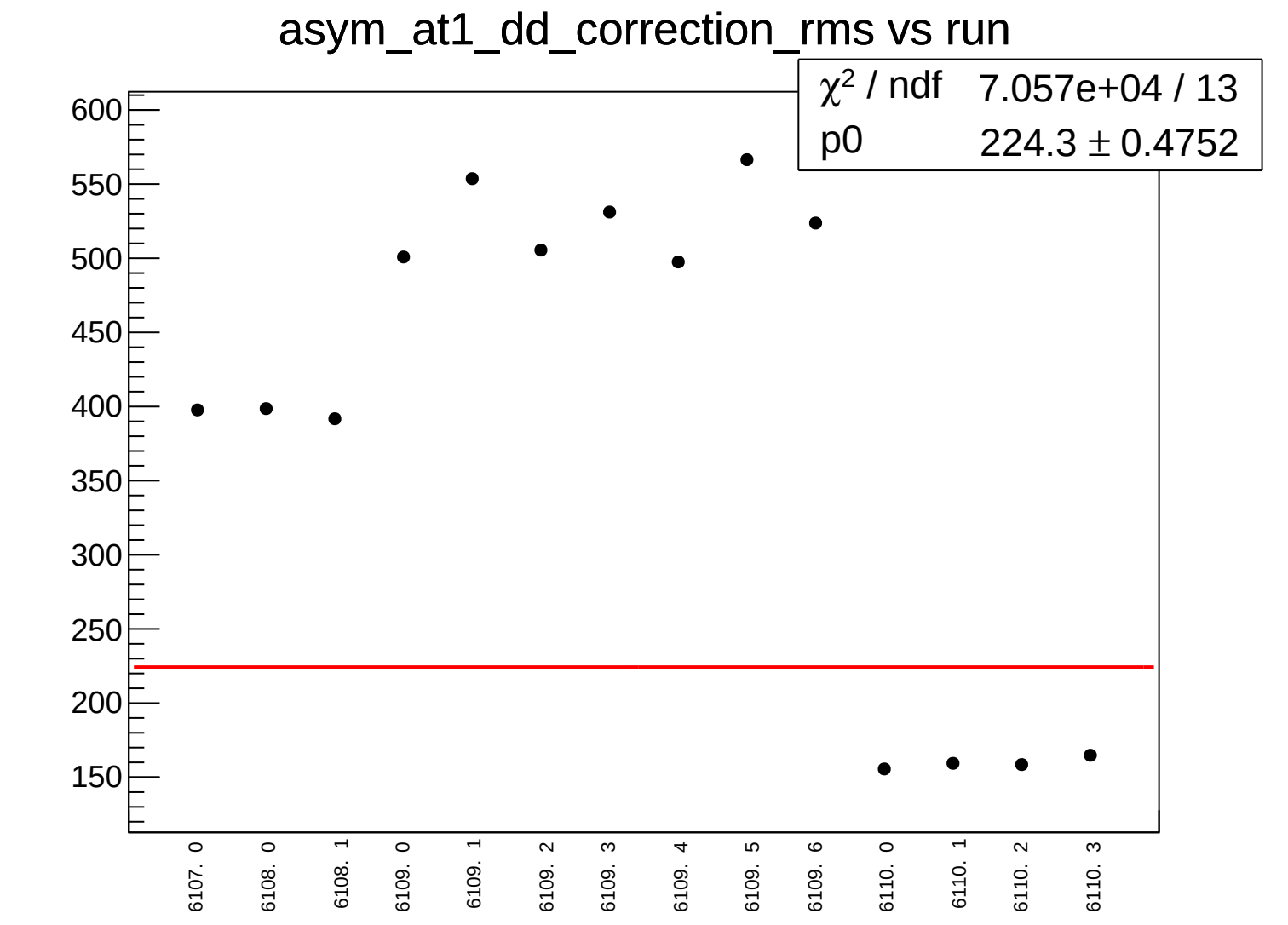

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 7.045 / 13
p0 3.376e+04 ± 1.893e+04
150
100
50
0
−50
−100
−150
−200
−250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −15.47
Std Dev 22.7
0.5
0
−0.5
−1
−1.5

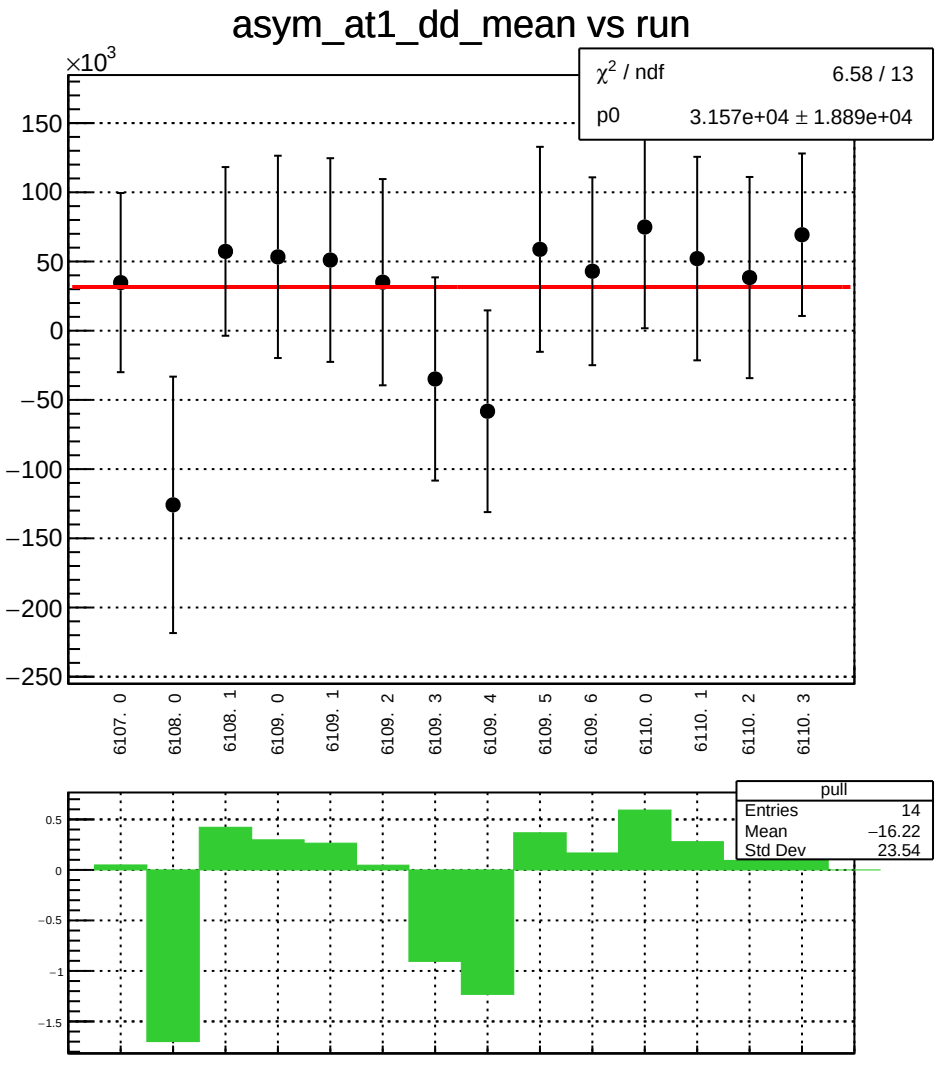

pull1D
Entries 14
Mean −0.04408
Std Dev 0.708
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

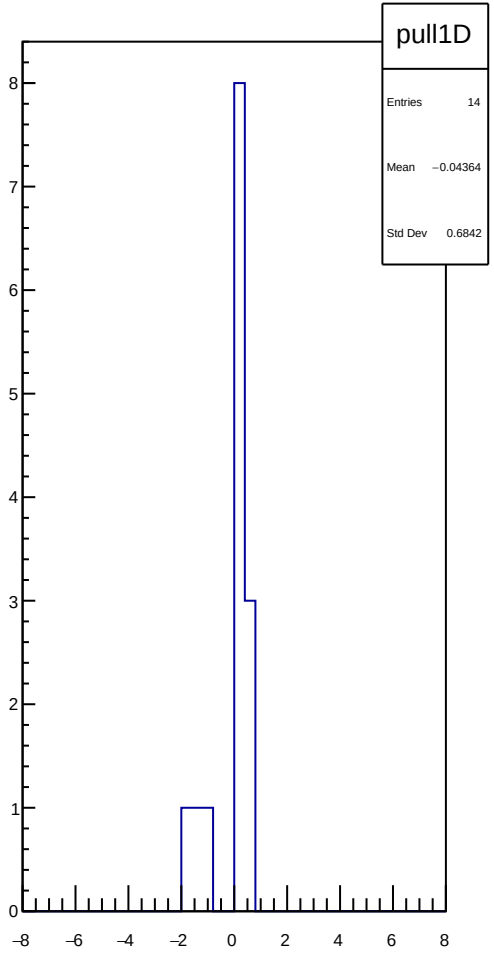

dit_asym_at1_dd_rms vs run
χ² / ndf 1410 / 13
p0 7232 ± 13.38
9000
8500
8000
7500
7000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

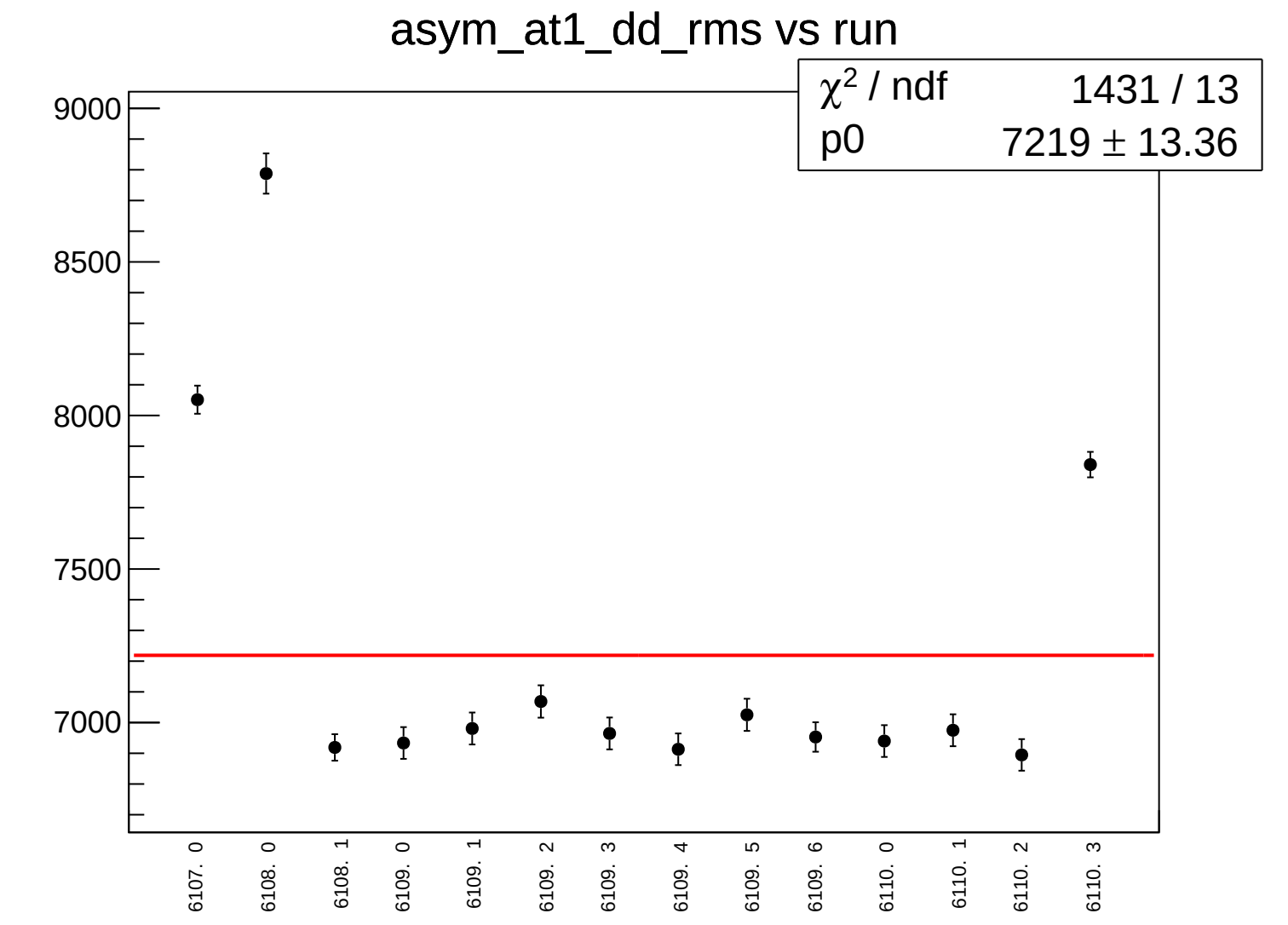

asym_at1_dd_correction_mean vs run
χ² / ndf 19.72 / 13
p0 1125 ± 672
20000
15000
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 2.026
Std Dev 4.801
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

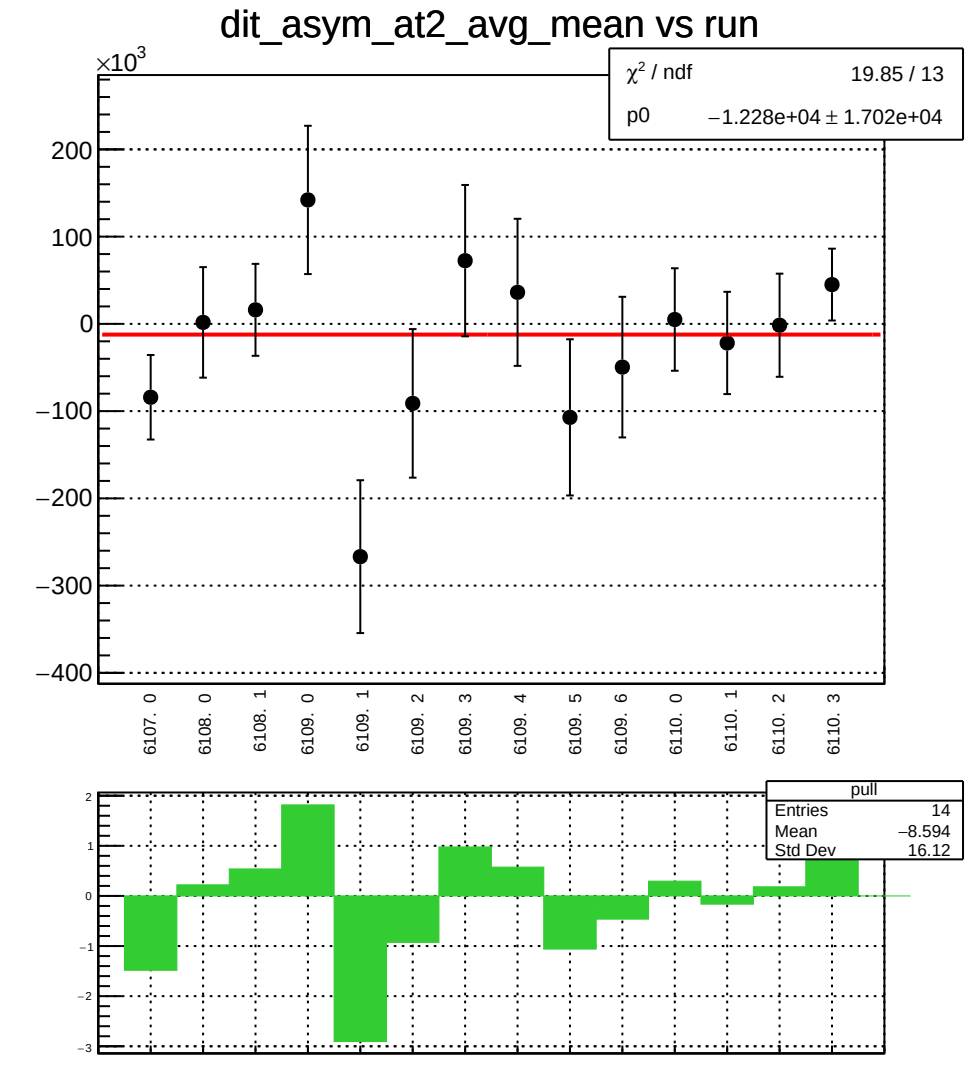

pull1D
Entries 14
Mean 0.1397
Std Dev 1.178
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

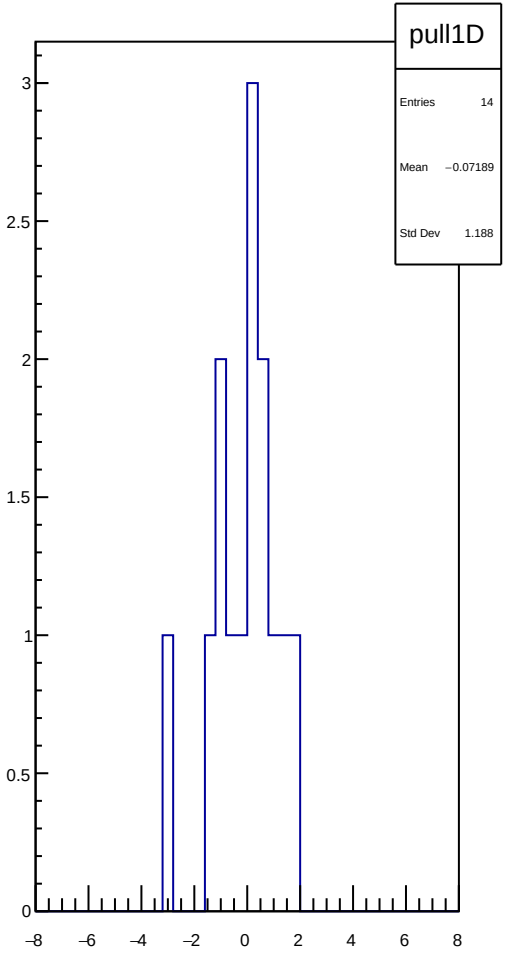

asym_at1_dd_correction_rms vs run
χ² / ndf 7.057e+04 / 13
p0 224.3 ± 0.4752
600
550
500
450
400
350
300
250
200
150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

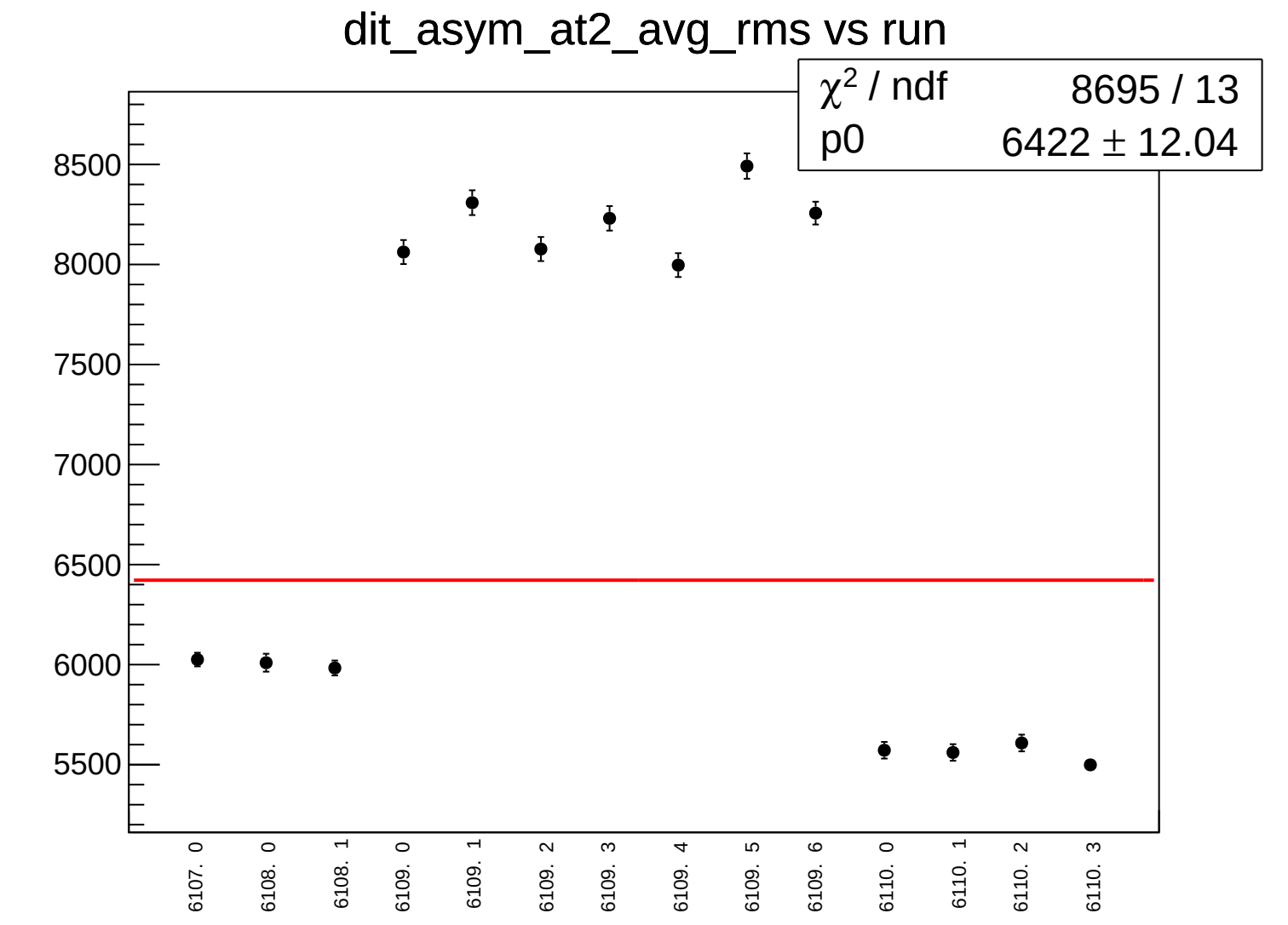

asym_at1_dd_mean vs run
×10^3
χ² / ndf 6.58 / 13
p0 3.157e+04 ± 1.889e+04
150
100
50
0
−50
−100
−150
−200
−250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −16.22
Std Dev 23.54
0.5
0
−0.5
−1
−1.5

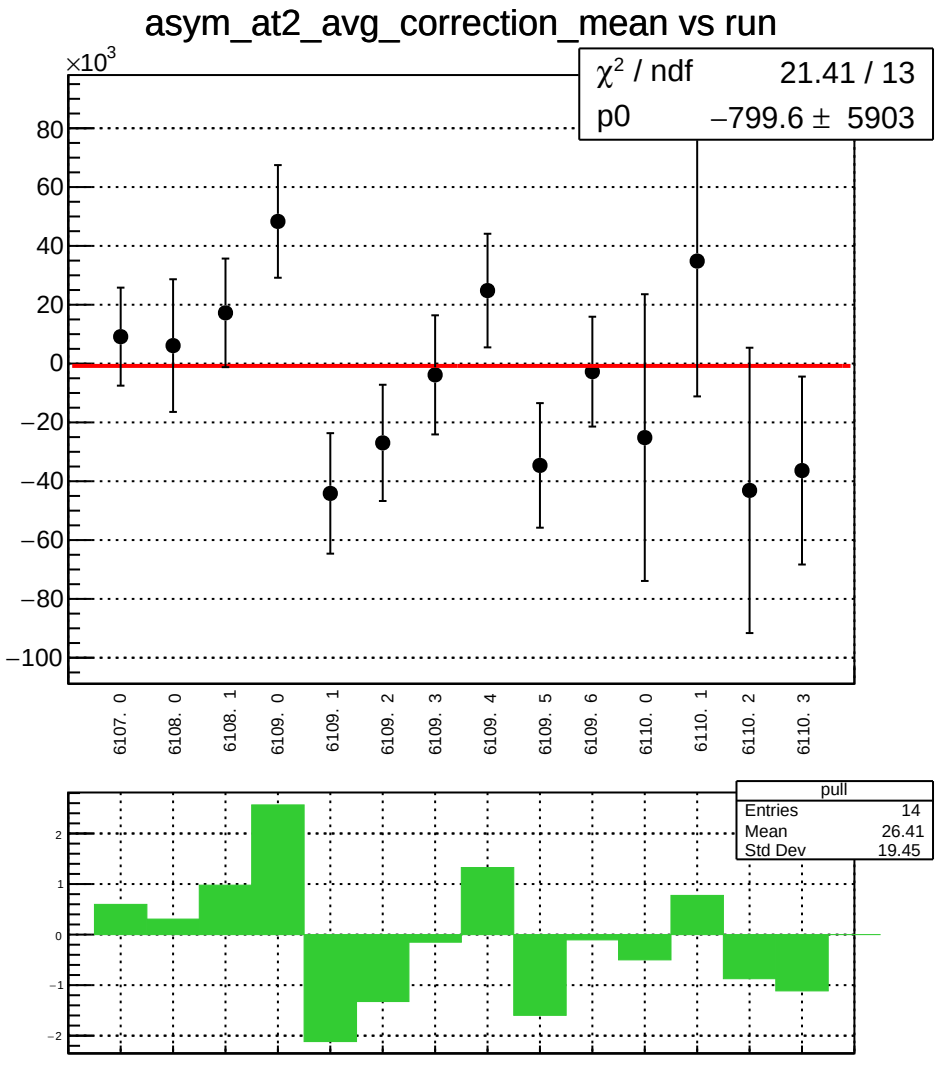

pull1D
Entries 14
Mean −0.04364
Std Dev 0.6842
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

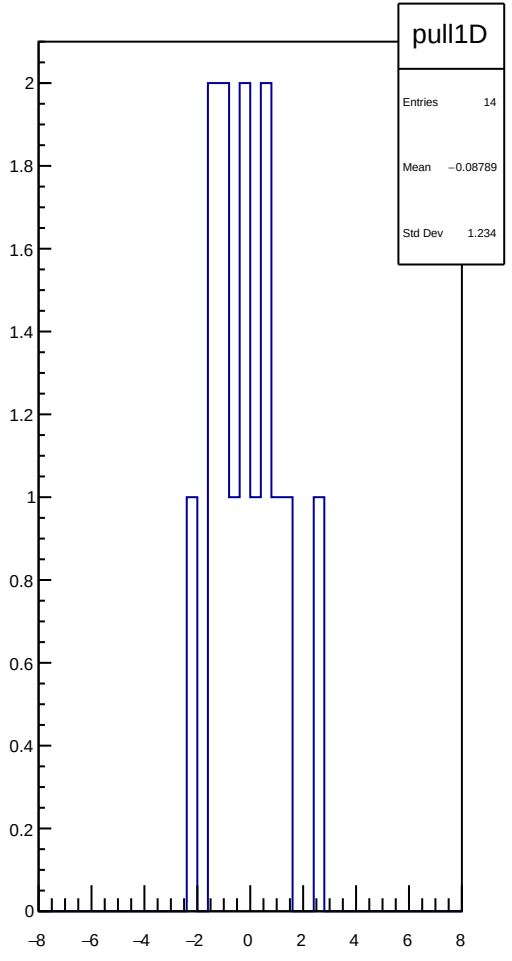

asym_at1_dd_rms vs run
χ² / ndf 1431 / 13
p0 7219 ± 13.36
9000
8500
8000
7500
7000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

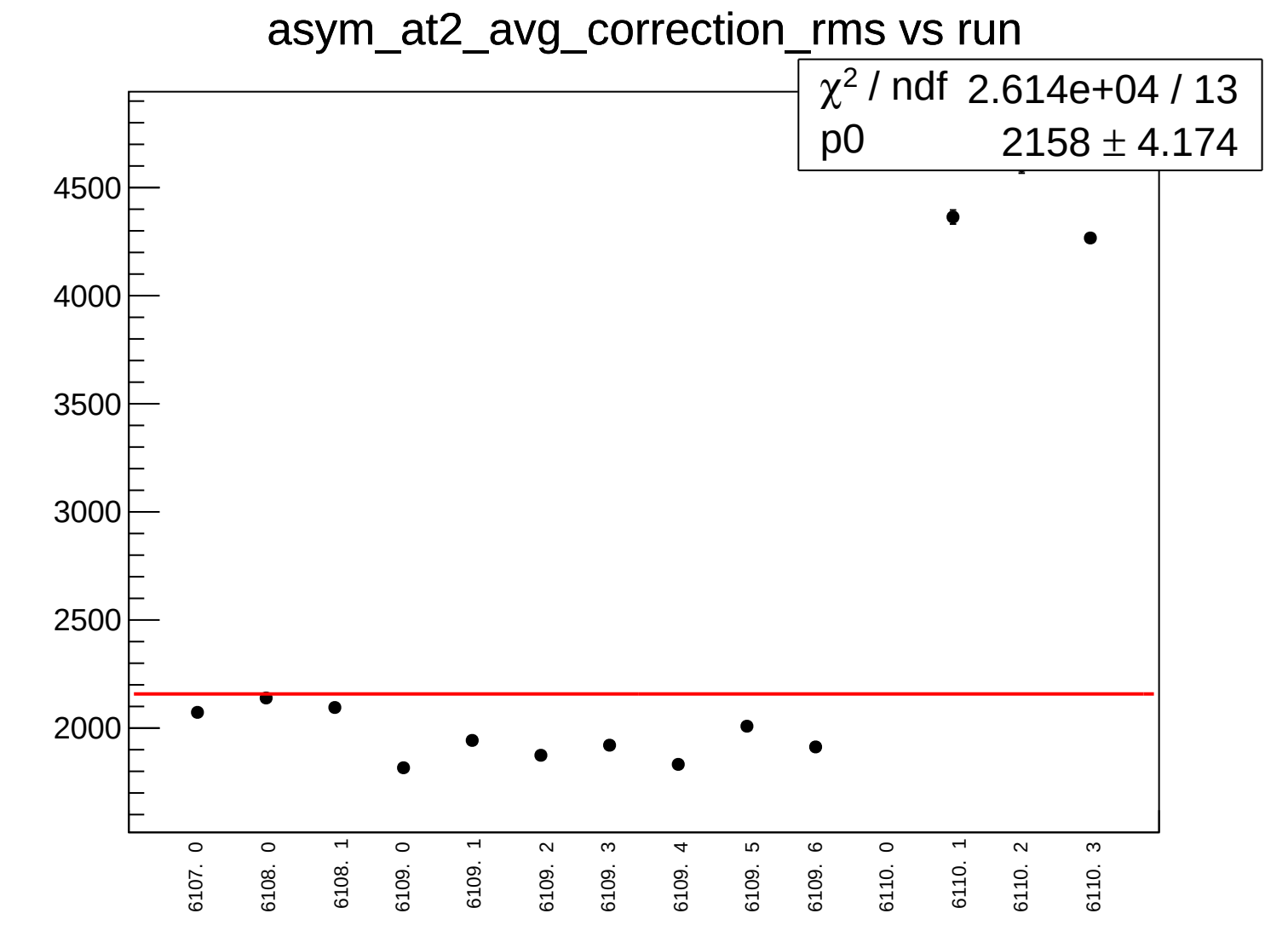

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 19.85 / 13
p0 −1.228e+04 ± 1.702e+04
200
100
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −8.594
Std Dev 16.12
2
1
0
−1
−2
−3

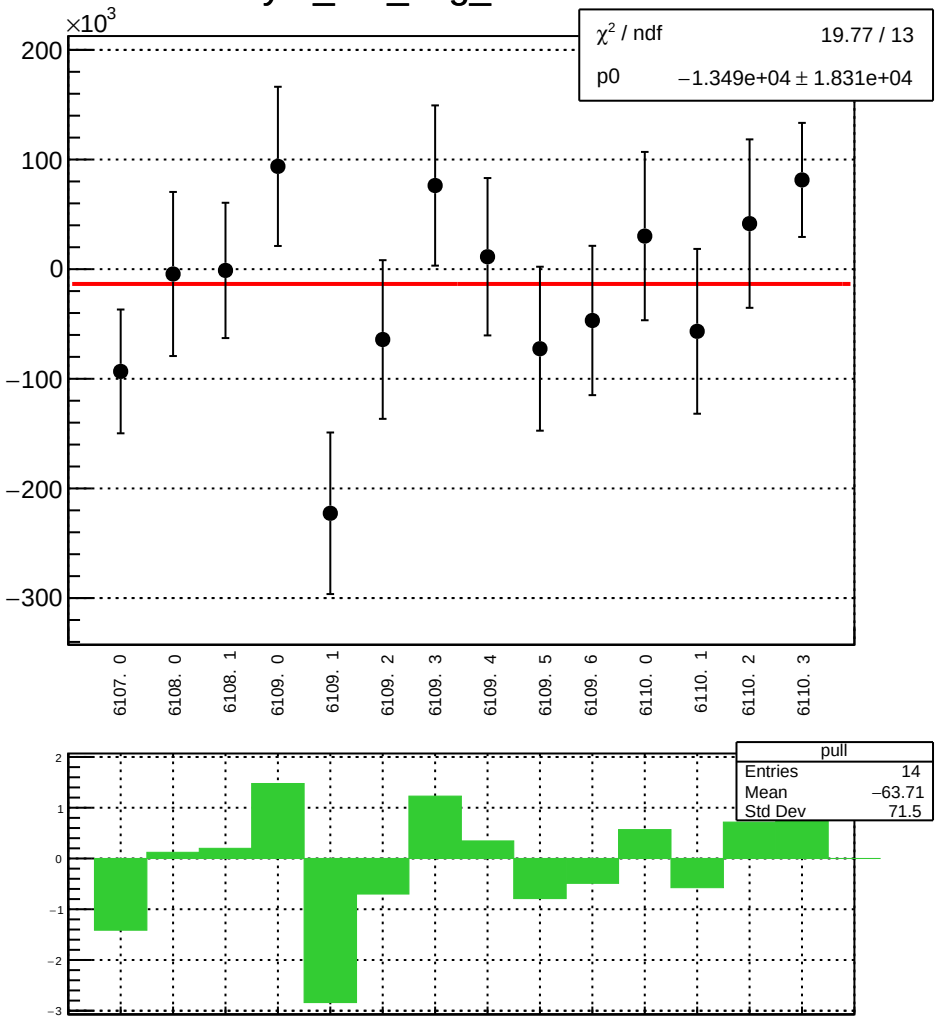

pull1D
Entries 14
Mean −0.07189
Std Dev 1.188
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

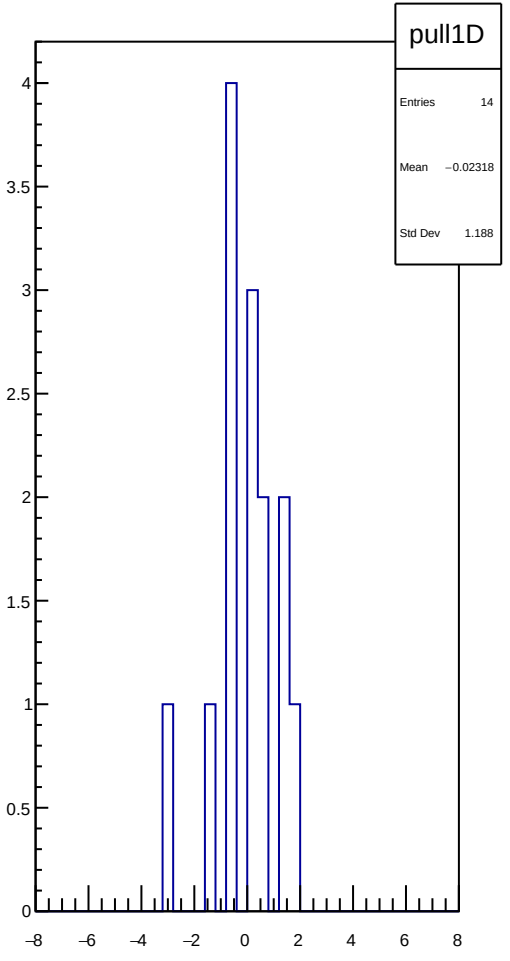

dit_asym_at2_avg_rms vs run
χ² / ndf 8695 / 13
p0 6422 ± 12.04
8500
8000
7500
7000
6500
6000
5500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

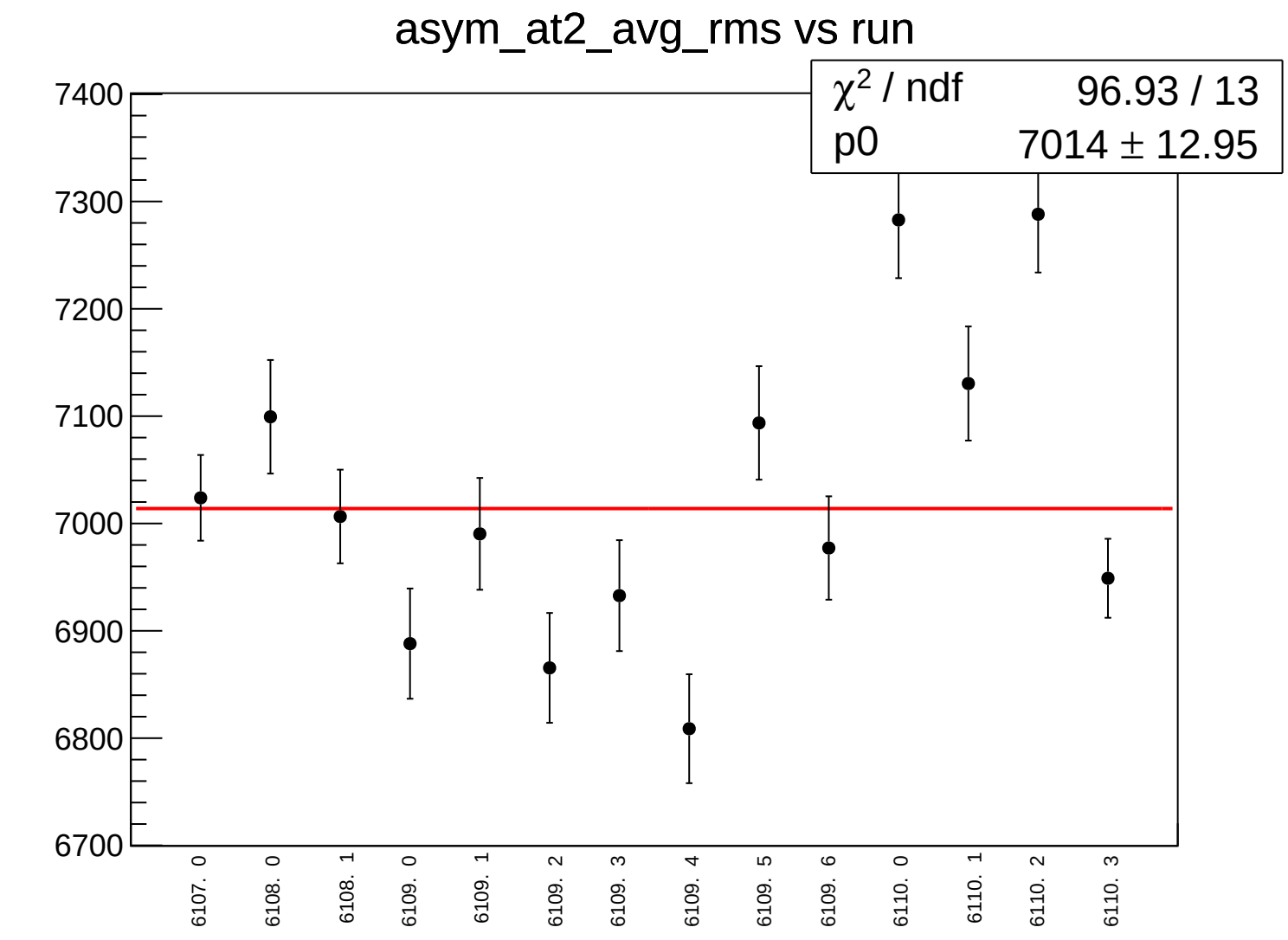

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 21.41 / 13
p0 −799.6 ± 5903
80
60
40
20
0
−20
−40
−60
−80
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 26.41
Std Dev 19.45
2
1
0
−1
−2

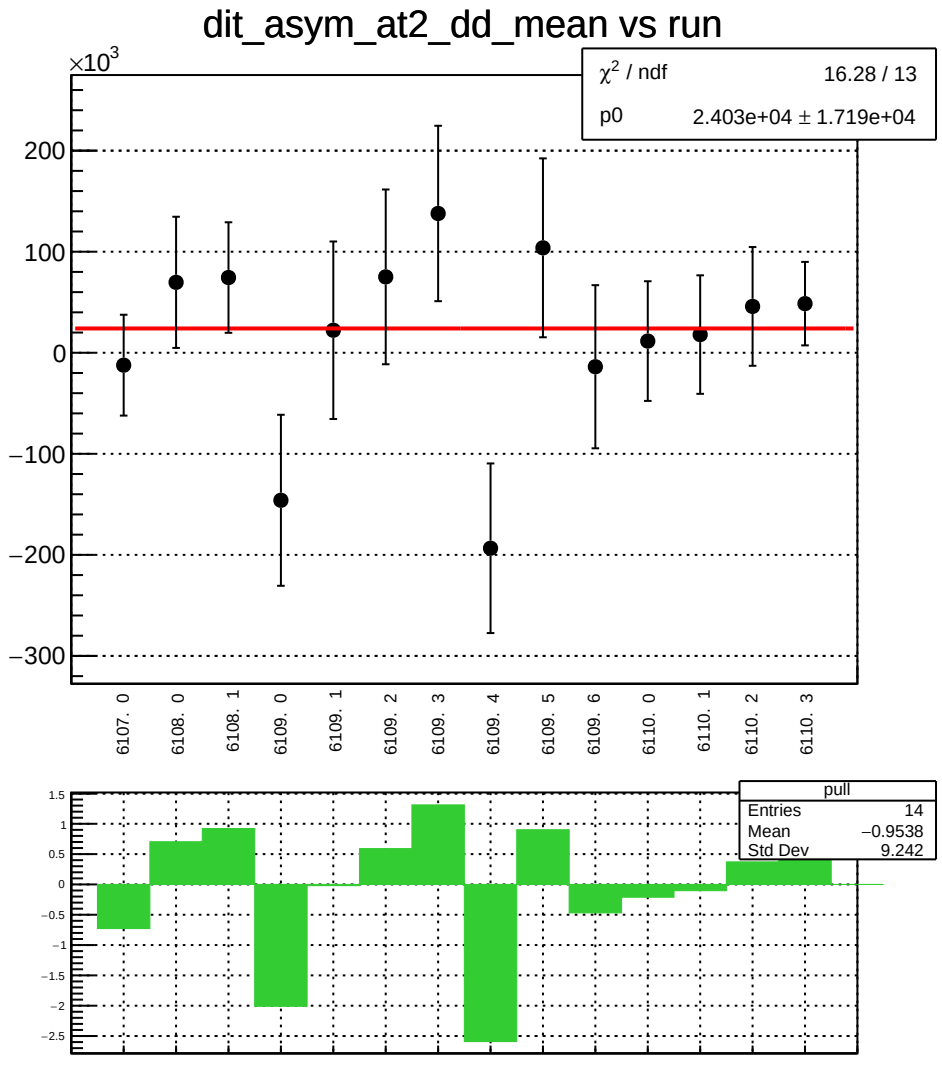

pull1D
Entries 14
Mean −0.08789
Std Dev 1.234
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

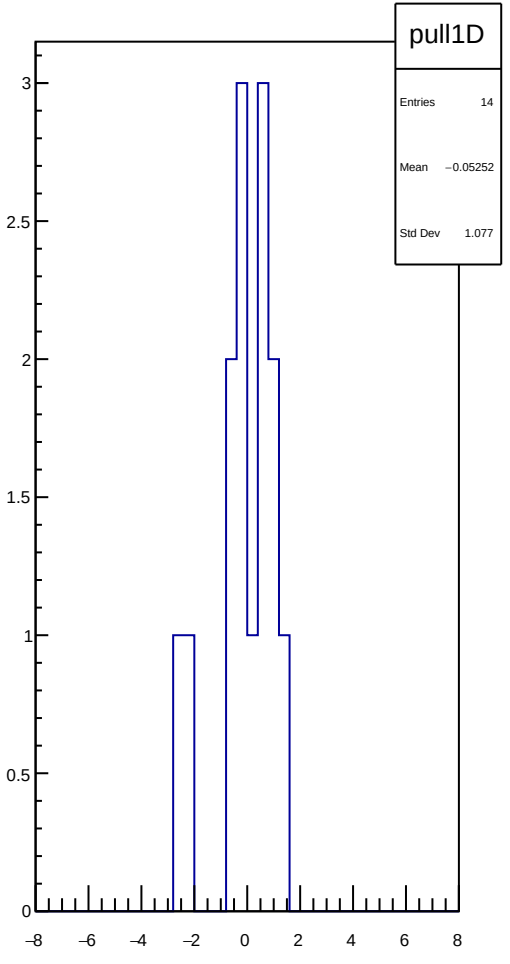

asym_at2_avg_correction_rms vs run
χ² / ndf 2.614e+04 / 13
p0 2158 ± 4.174
4500
4000
3500
3000
2500
2000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

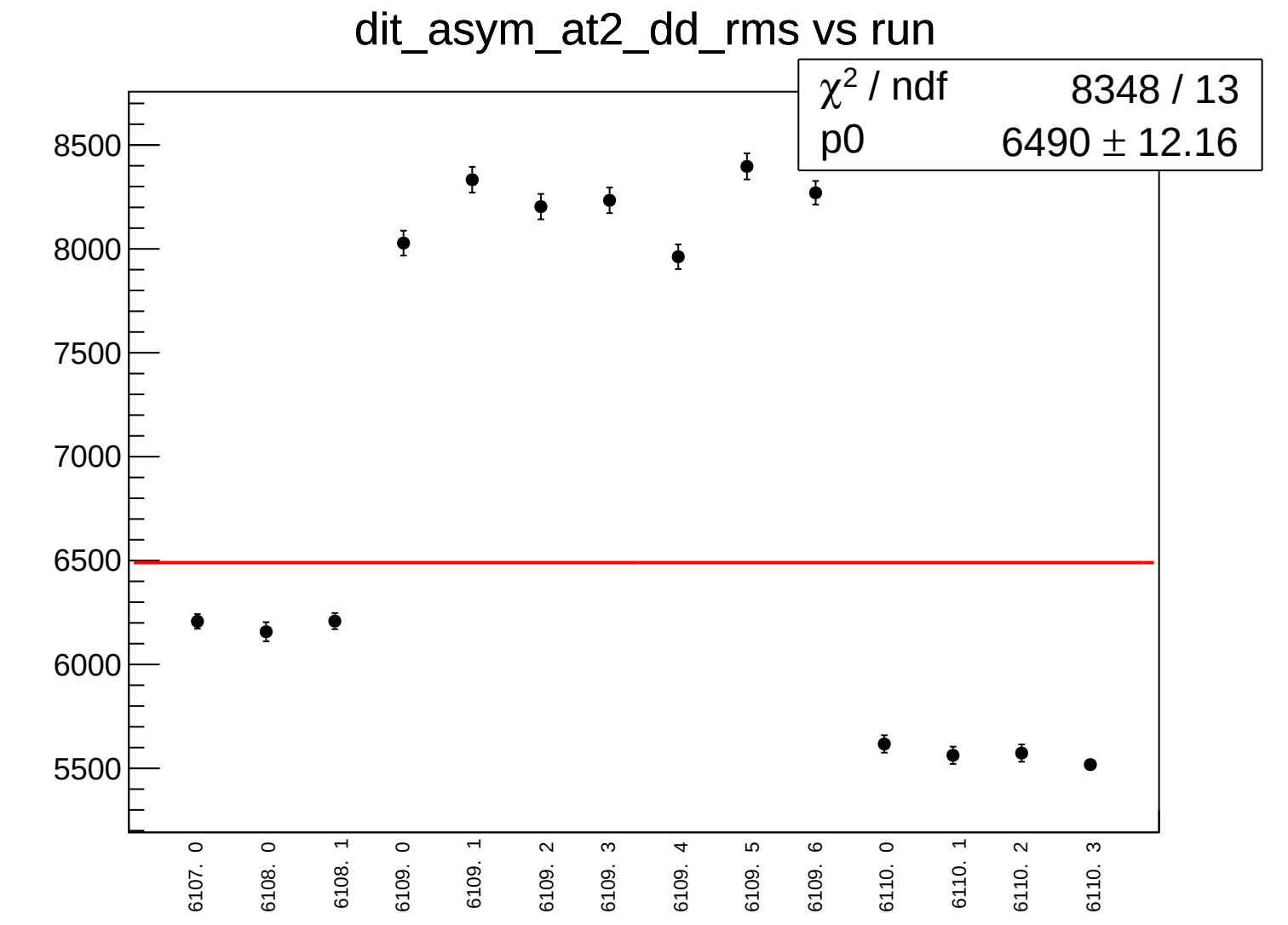

asym_at2_avg_mean vs run
×10^3
χ² / ndf 19.77 / 13
p0 −1.349e+04 ± 1.831e+04
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −63.71
Std Dev 71.5
2
1
0
−1
−2
−3

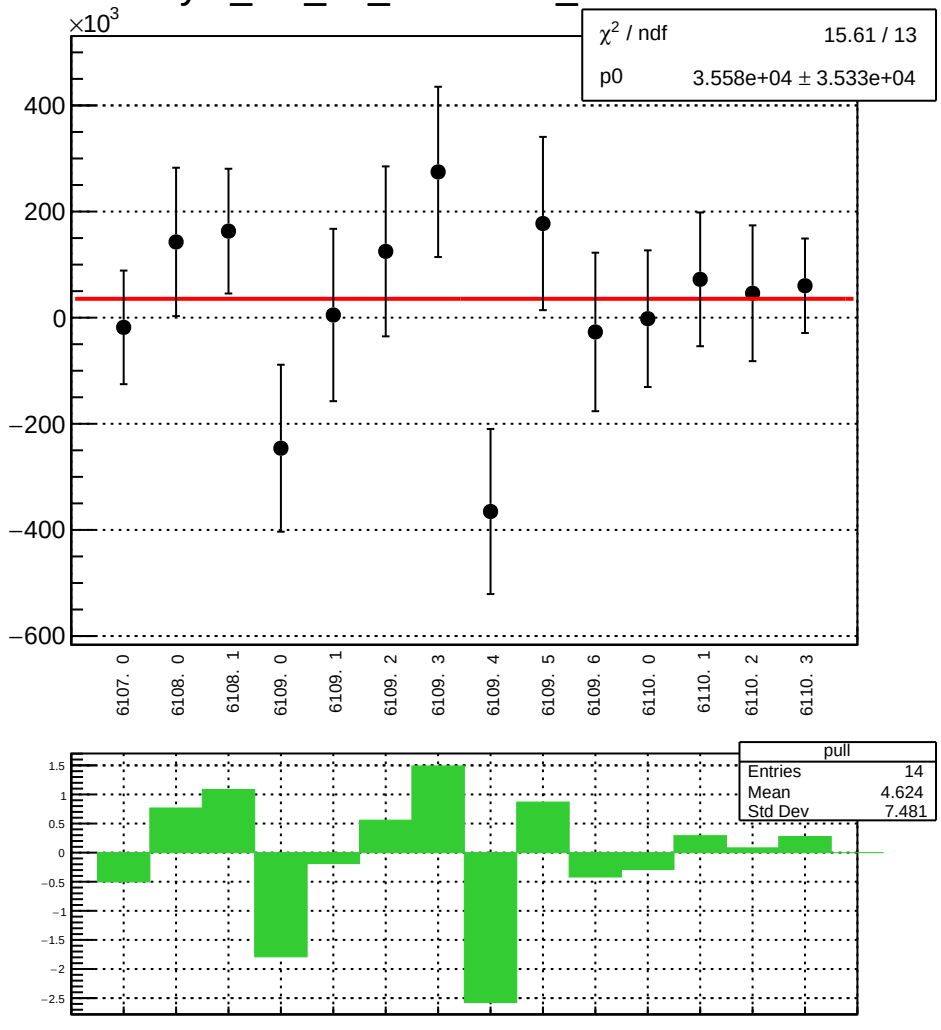

pull1D
Entries 14
Mean −0.02318
Std Dev 1.188
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

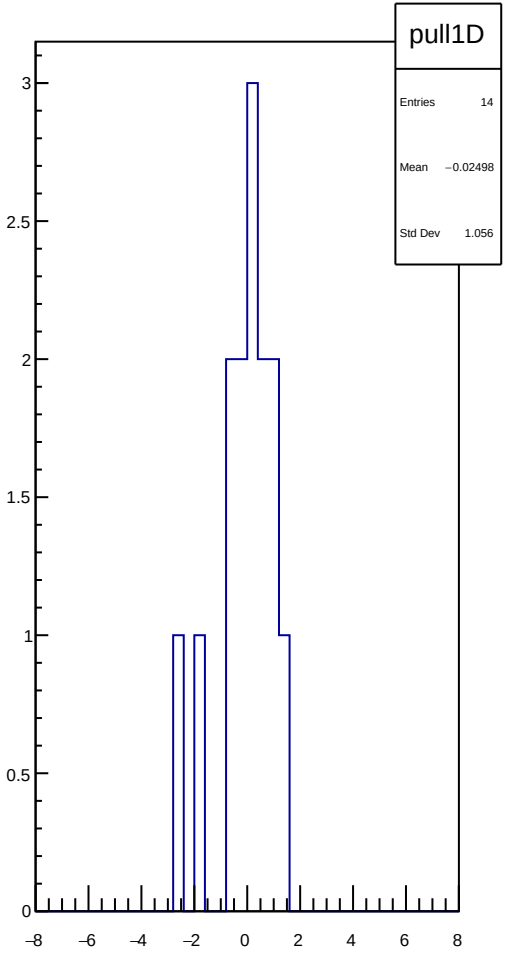

asym_at2_avg_rms vs run
χ² / ndf 96.93 / 13
p0 7014 ± 12.95
7400
7300
7200
7100
7000
6900
6800
6700
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

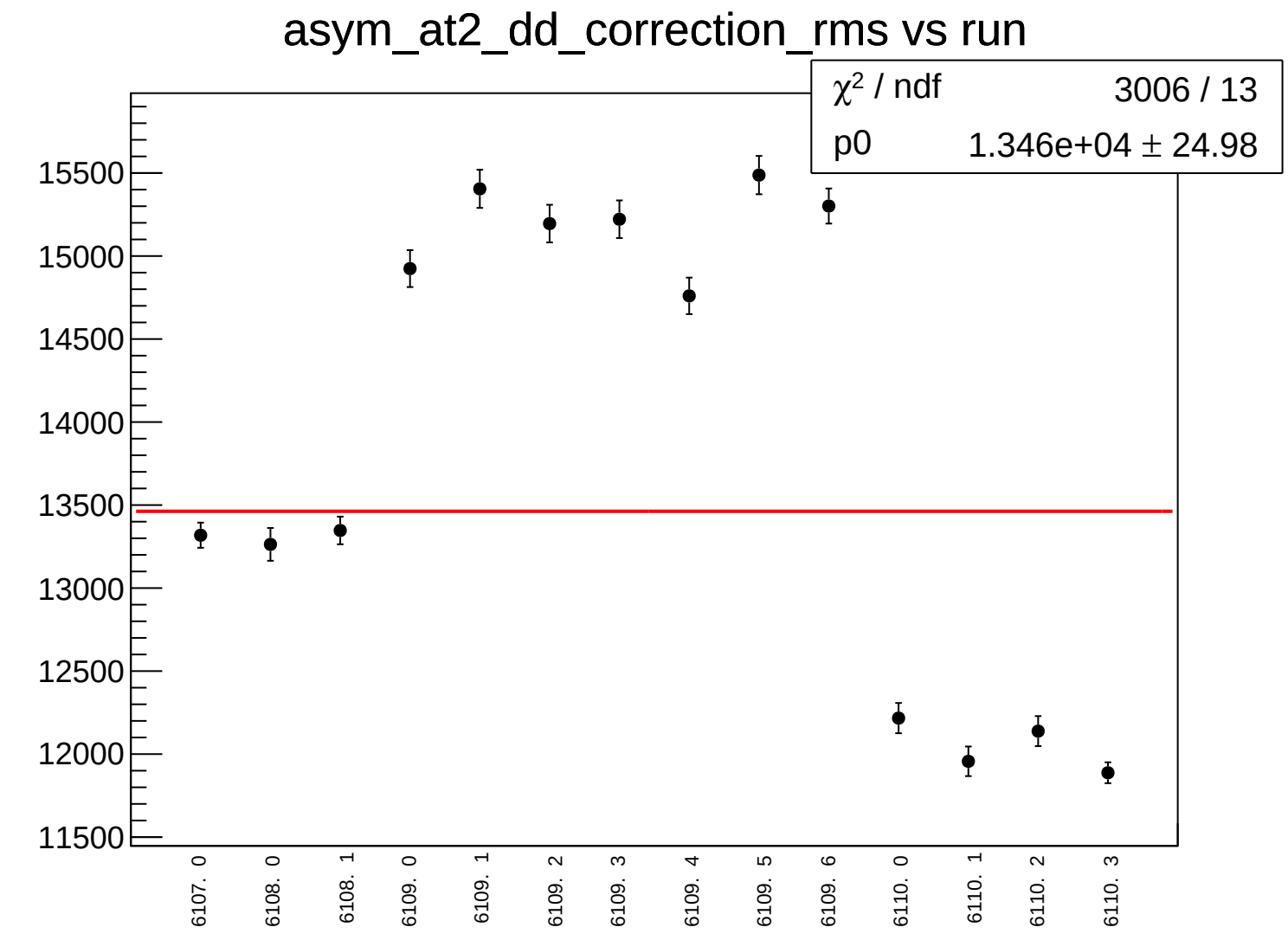

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 16.28 / 13
p0 2.403e+04 ± 1.719e+04
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.9538
Std Dev 9.242
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

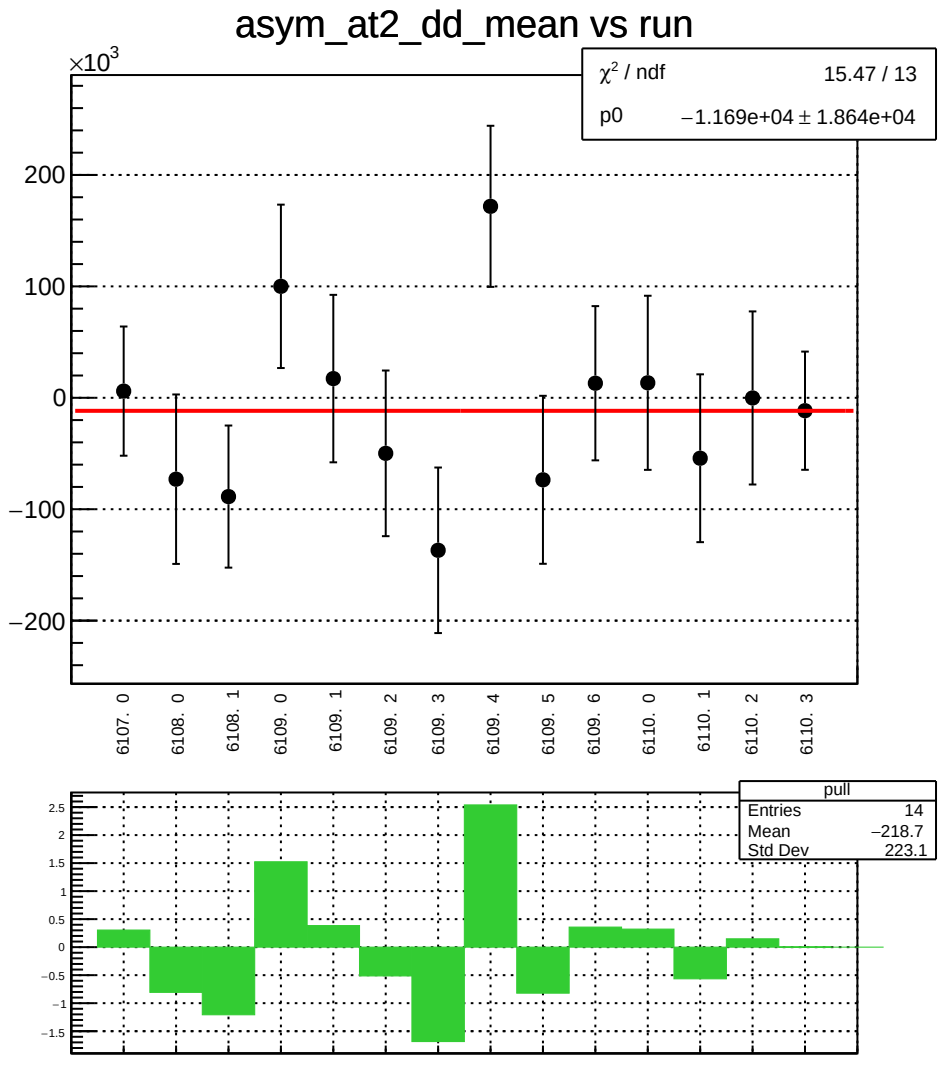

pull1D
Entries 14
Mean −0.05252
Std Dev 1.077
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

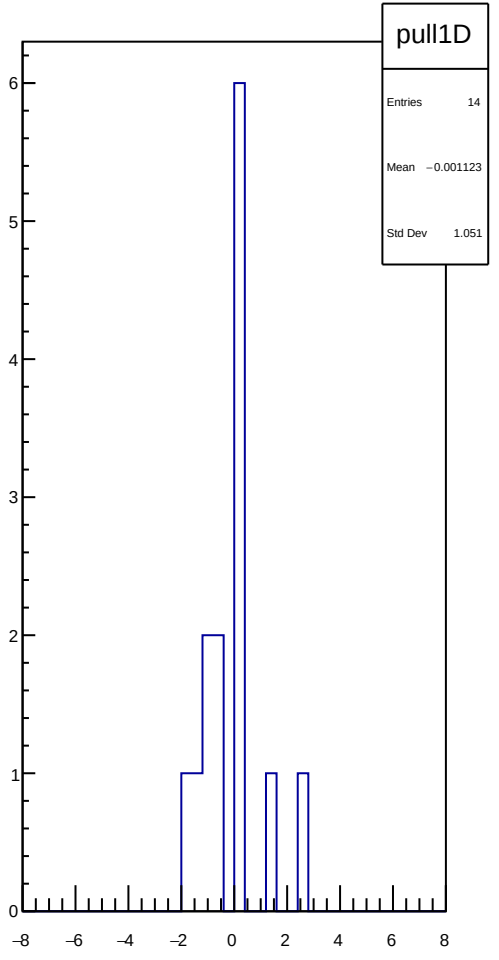

dit_asym_at2_dd_rms vs run
χ² / ndf 8348 / 13
p0 6490 ± 12.16
8500
8000
7500
7000
6500
6000
5500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

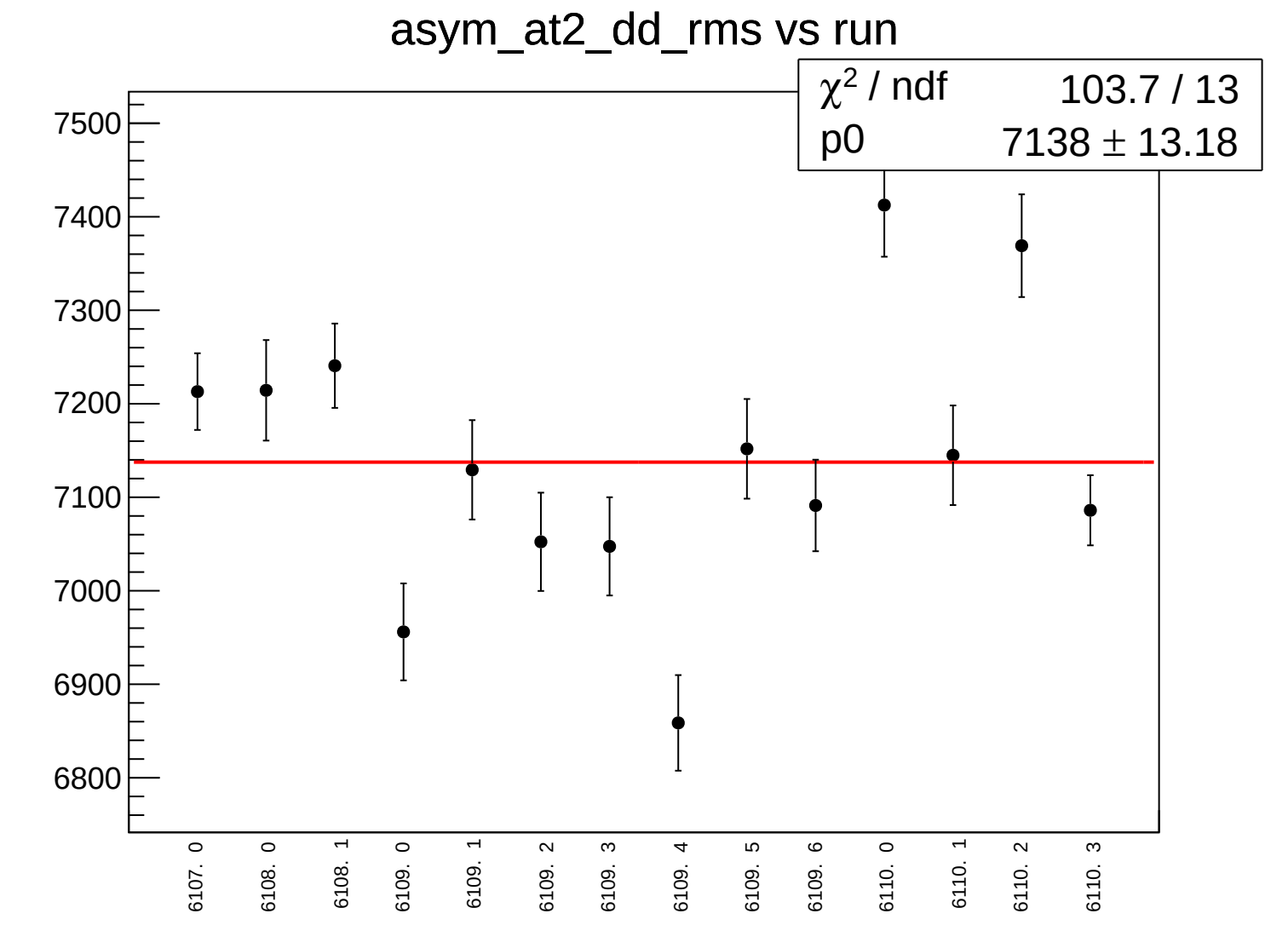

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 15.61 / 13
p0 3.558e+04 ± 3.533e+04
400
200
0
−200
−400
−600
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 4.624
Std Dev 7.481
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

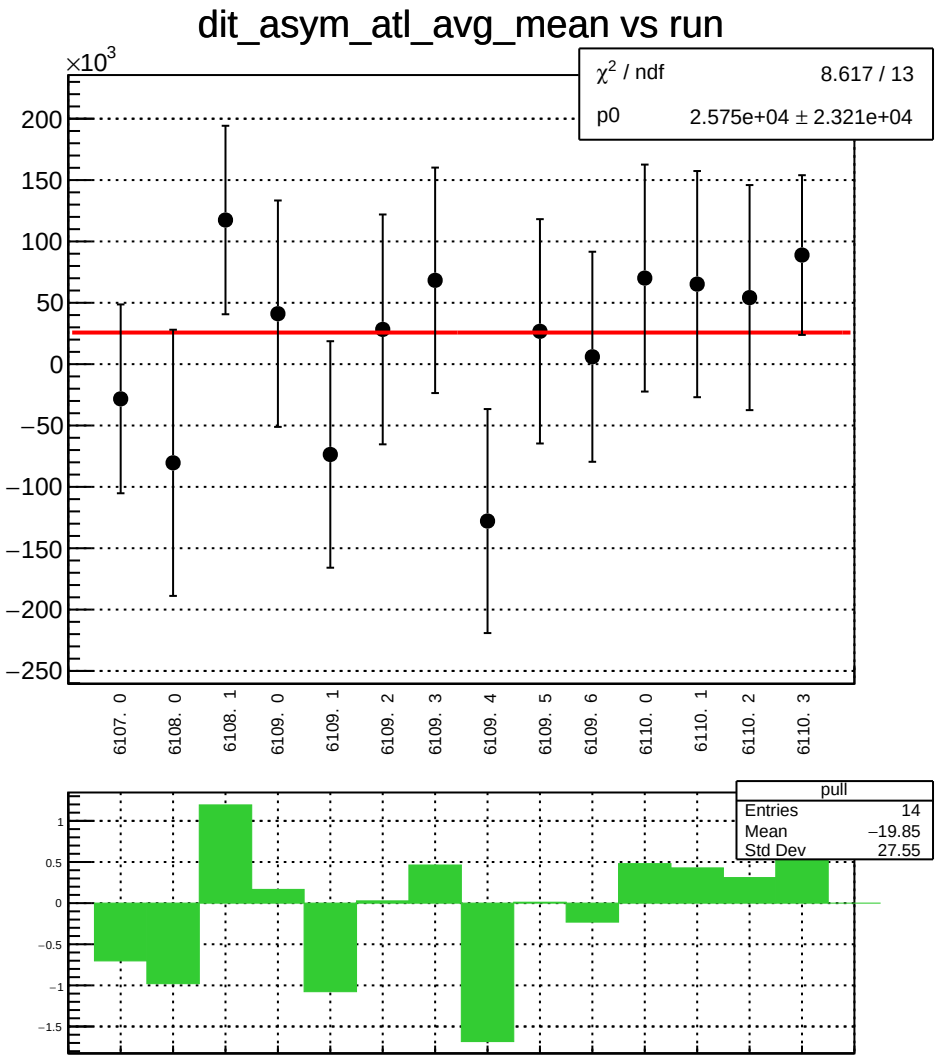

pull1D
Entries 14
Mean −0.02498
Std Dev 1.056
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

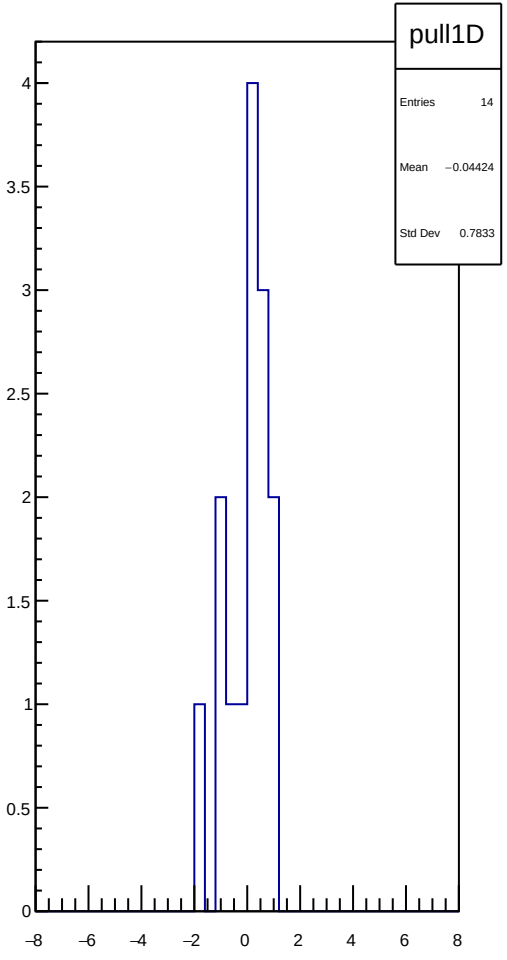

asym_at2_dd_correction_rms vs run
χ² / ndf 3006 / 13
p0 1.346e+04 ± 24.98
15500
15000
14500
14000
13500
13000
12500
12000
11500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

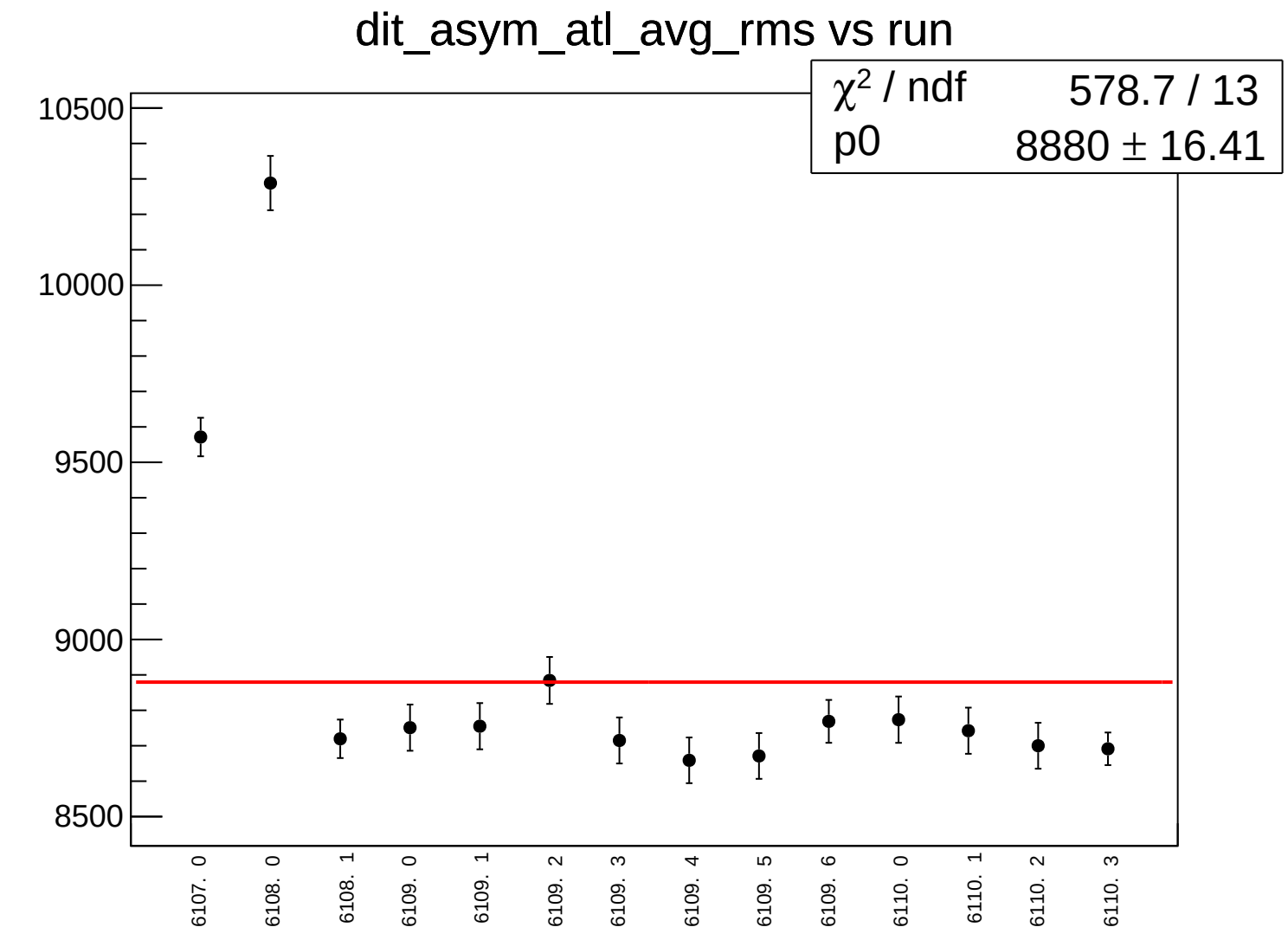

asym_at2_dd_mean vs run
×10^3
χ² / ndf 15.47 / 13
p0 −1.169e+04 ± 1.864e+04
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −218.7
Std Dev 223.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

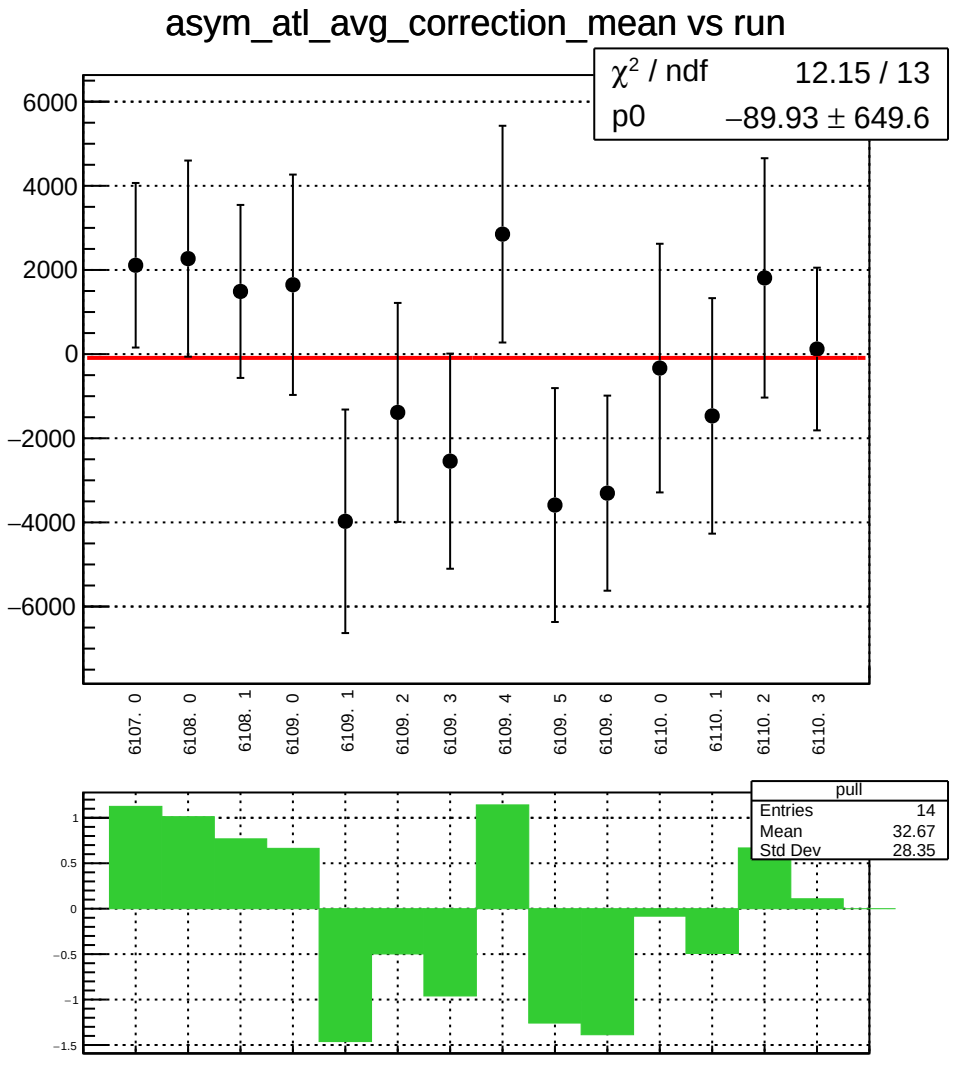

pull1D
Entries 14
Mean −0.001123
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

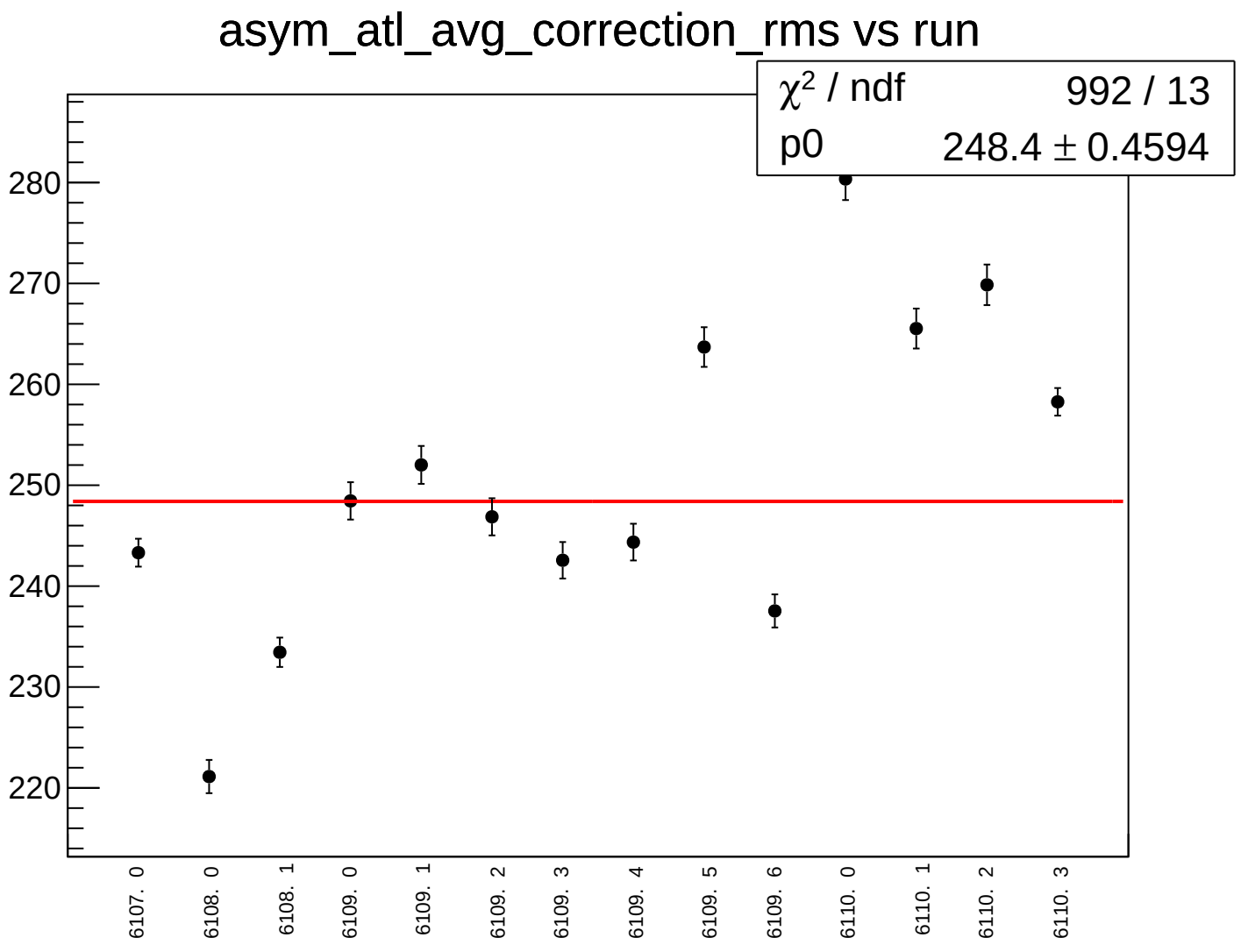

asym_at2_dd_rms vs run
χ² / ndf 103.7 / 13
p0 7138 ± 13.18
7500
7400
7300
7200
7100
7000
6900
6800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

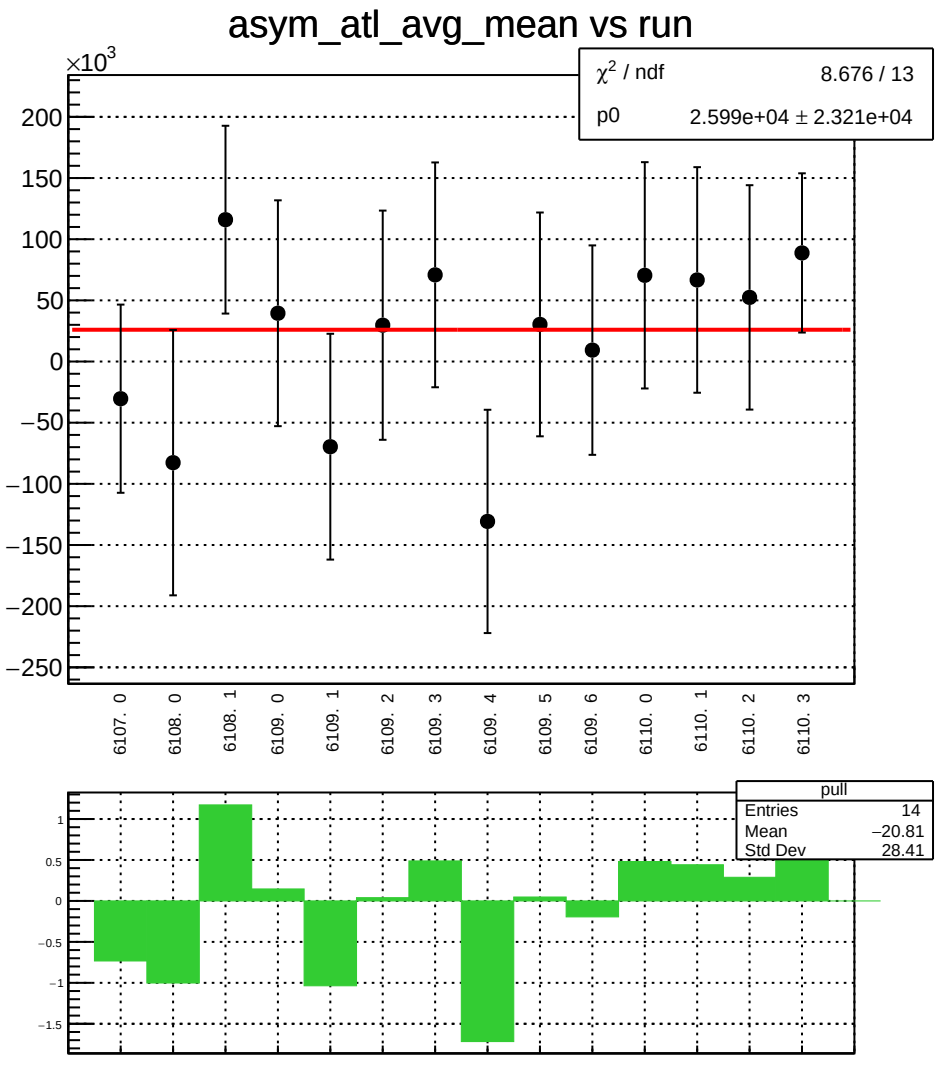

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 8.617 / 13
p0 2.575e+04 ± 2.321e+04
200
150
100
50
0
−50
−100
−150
−200
−250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −19.85
Std Dev 27.55
1
0.5
0
−0.5
−1
−1.5

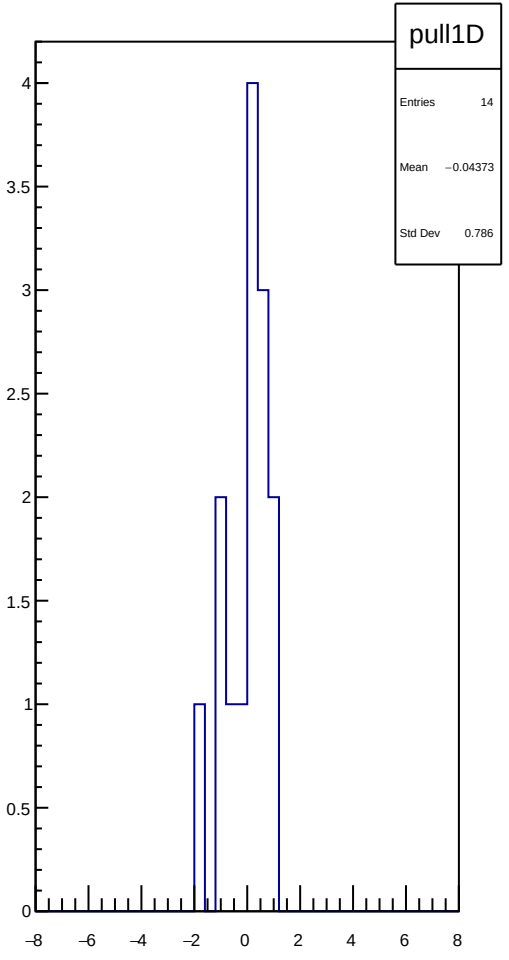

pull1D
Entries 14
Mean −0.04424
Std Dev 0.7833
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

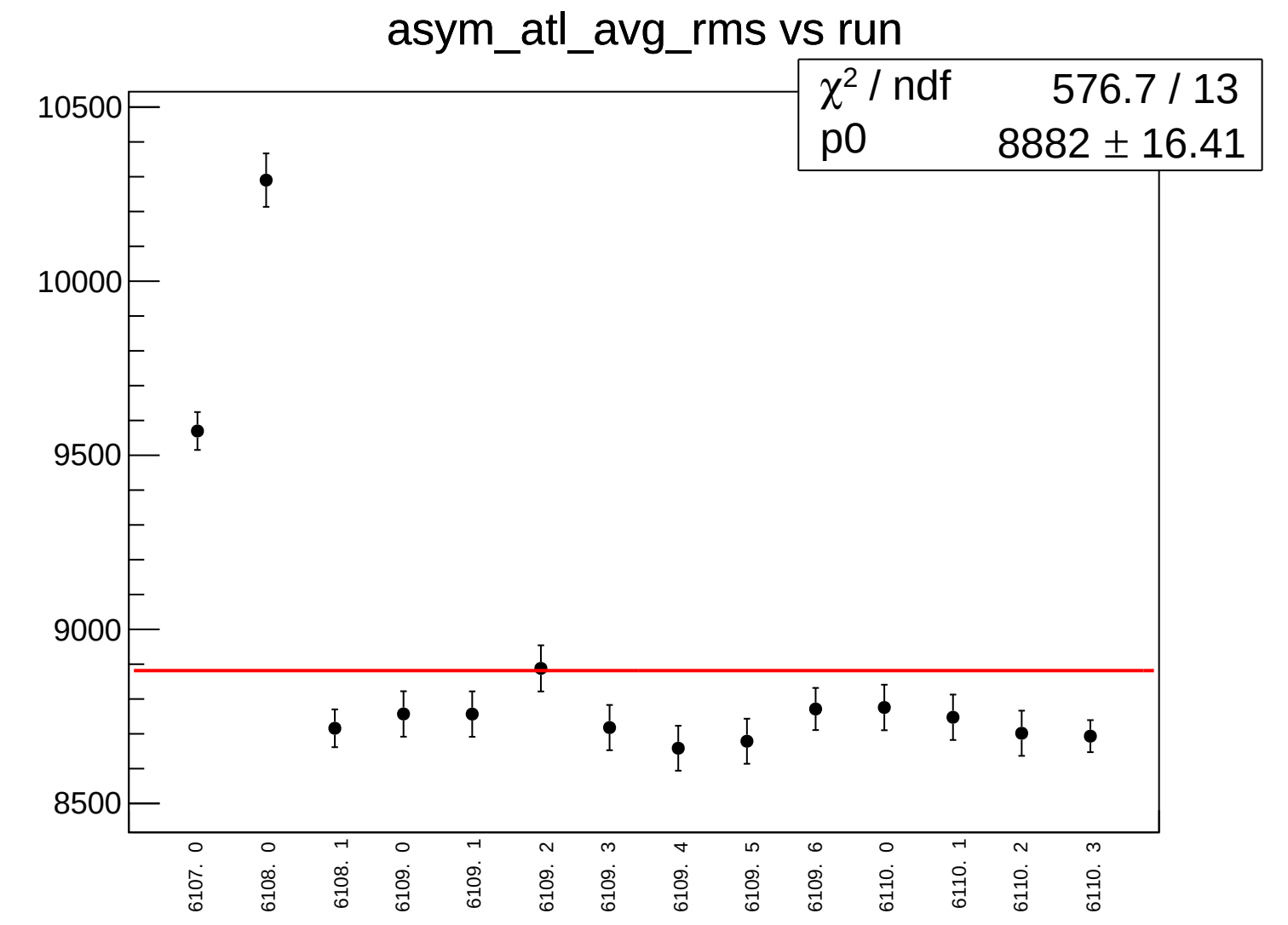

dit_asym_atl_avg_rms vs run
χ² / ndf 578.7 / 13
p0 8880 ± 16.41
10500
10000
9500
9000
8500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

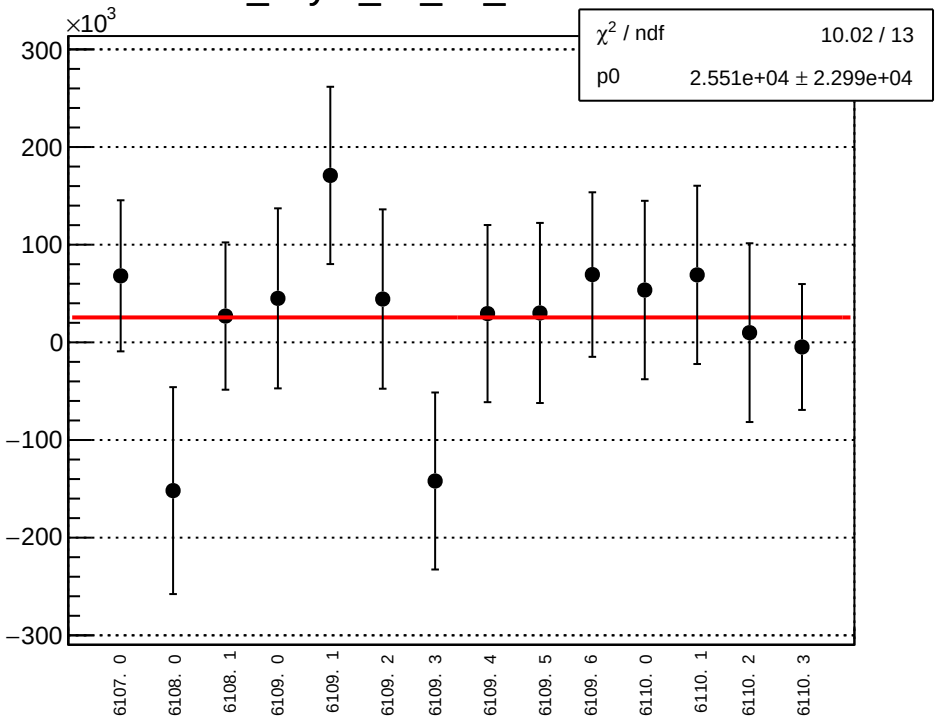

asym_atl_avg_correction_mean vs run
χ² / ndf 12.15 / 13
p0 −89.93 ± 649.6
6000
4000
2000
0
−2000
−4000
−6000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 32.67
Std Dev 28.35
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.04644
Std Dev 0.9304
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

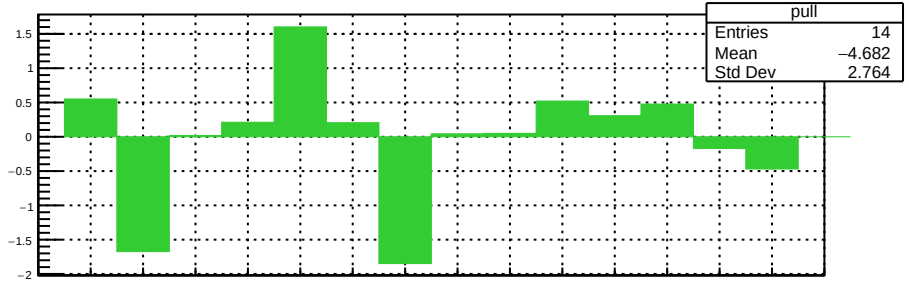

asym_atl_avg_correction_rms vs run
χ² / ndf 992 / 13
p0 248.4 ± 0.4594
280
270
260
250
240
230
220
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

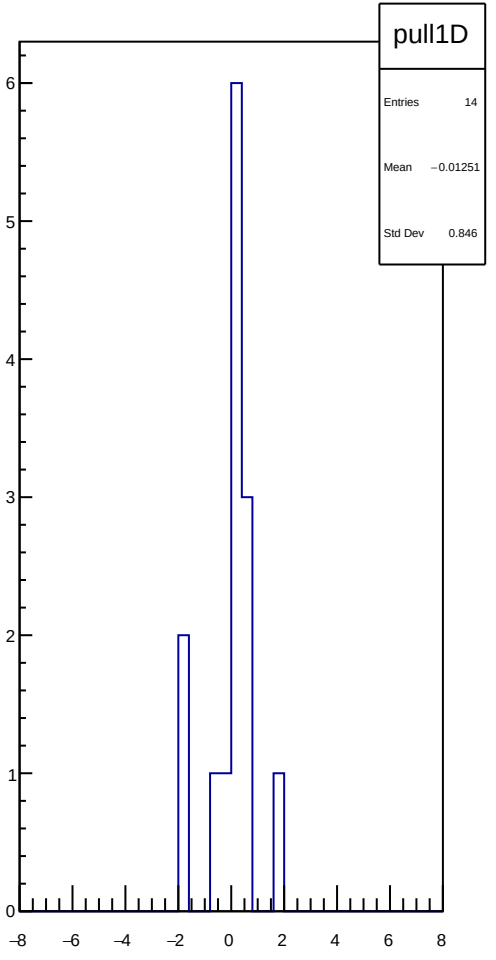

asym_atl_avg_mean vs run
×10^3
χ² / ndf 8.676 / 13
p0 2.599e+04 ± 2.321e+04
200
150
100
50
0
−50
−100
−150
−200
−250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −20.81
Std Dev 28.41
1
0.5
0
−0.5
−1
−1.5

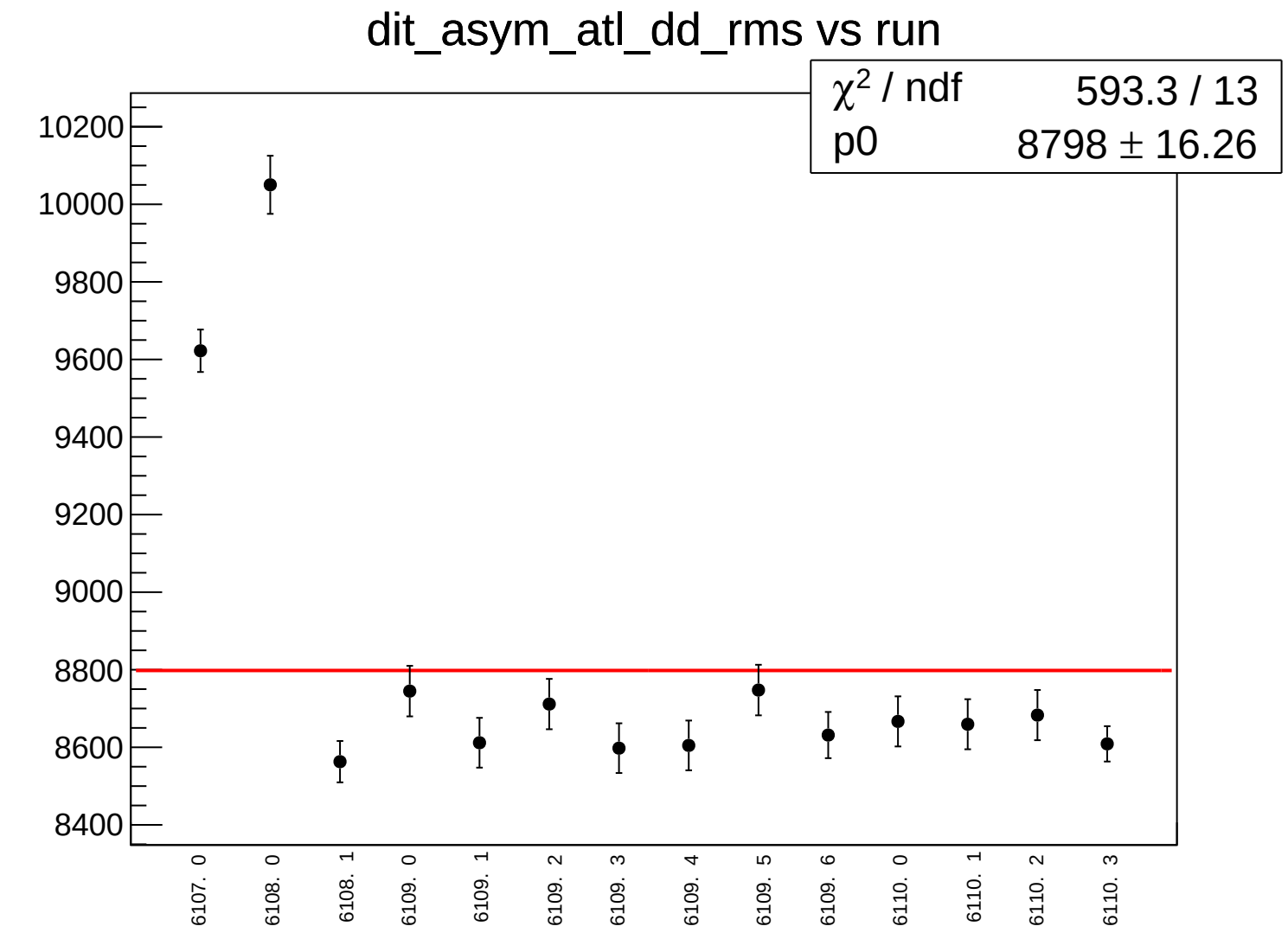

pull1D
Entries 14
Mean −0.04373
Std Dev 0.786
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

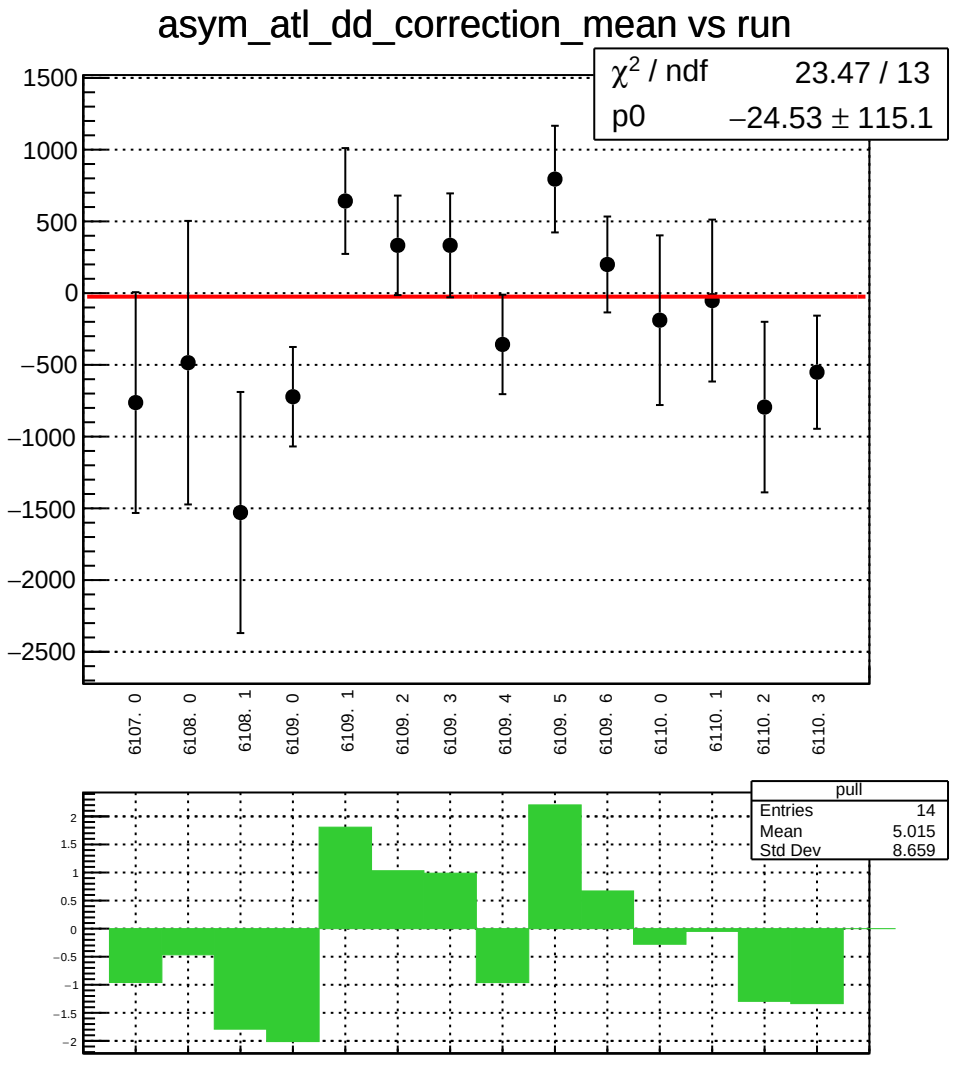

asym_atl_avg_rms vs run
χ² / ndf 576.7 / 13
p0 8882 ± 16.41
10500
10000
9500
9000
8500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

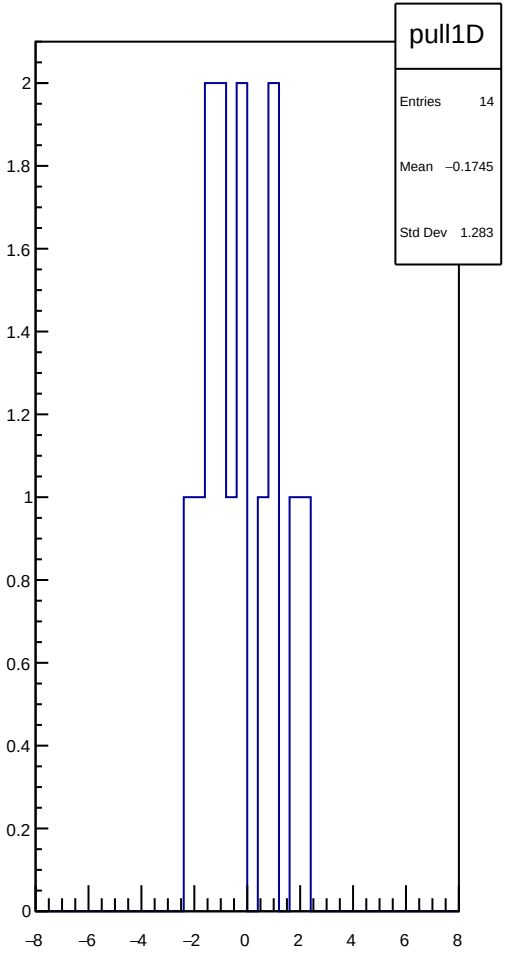

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 10.02 / 13
p0 2.551e+04 ± 2.299e+04
300
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

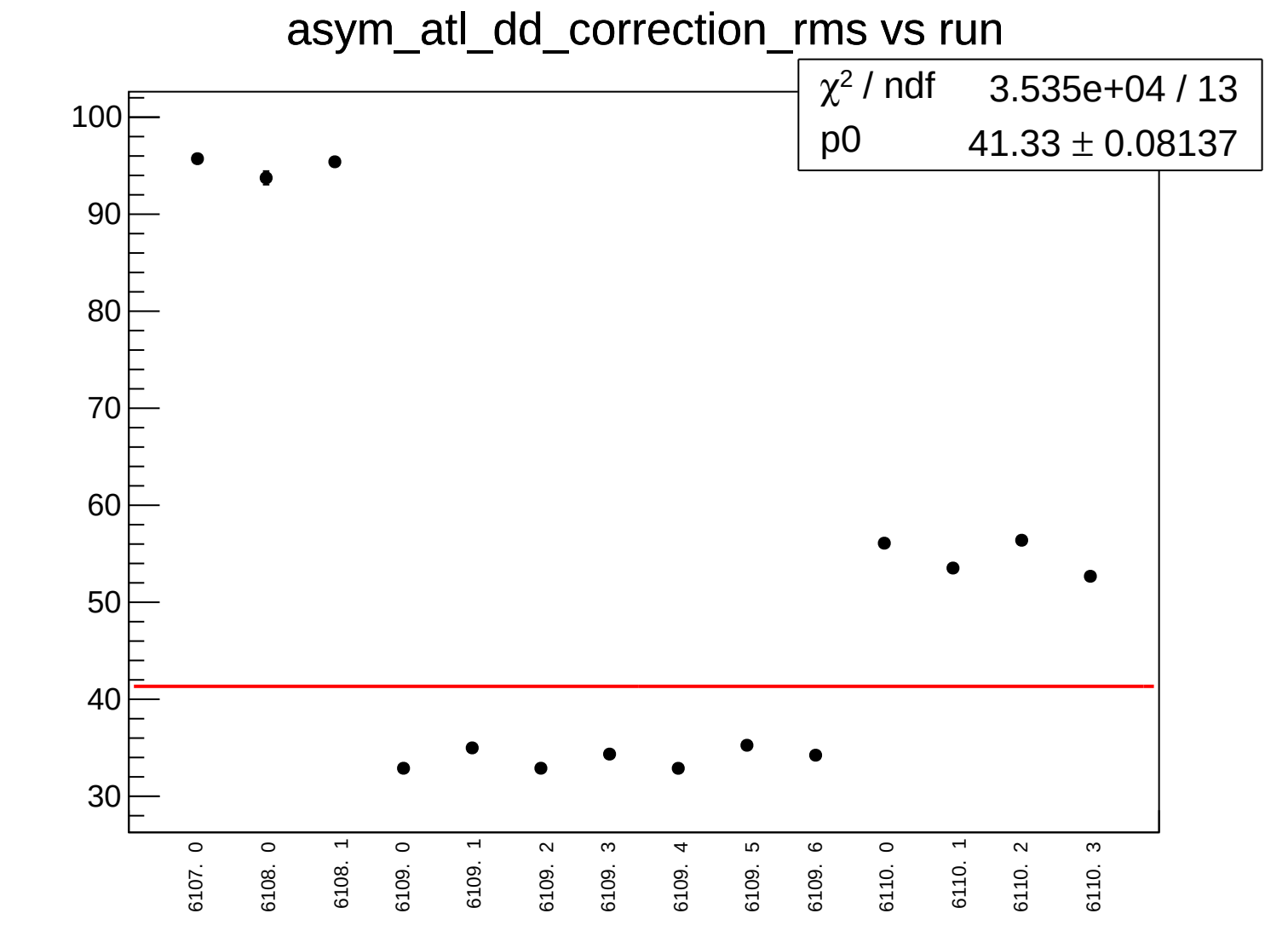

pull
Entries 14
Mean −4.682
Std Dev 2.764
1.5
1
0.5
0
−0.5
−1
−1.5
−2

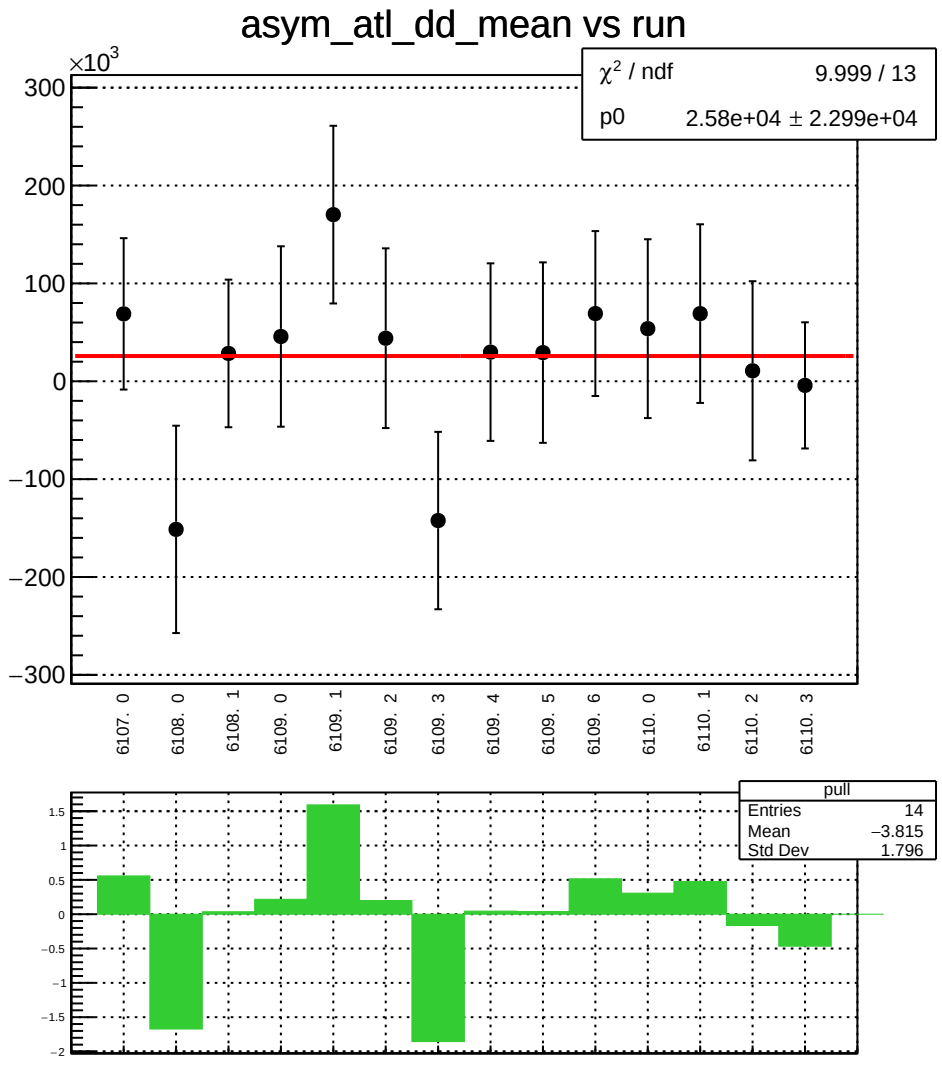

pull1D
Entries 14
Mean −0.01251
Std Dev 0.846
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

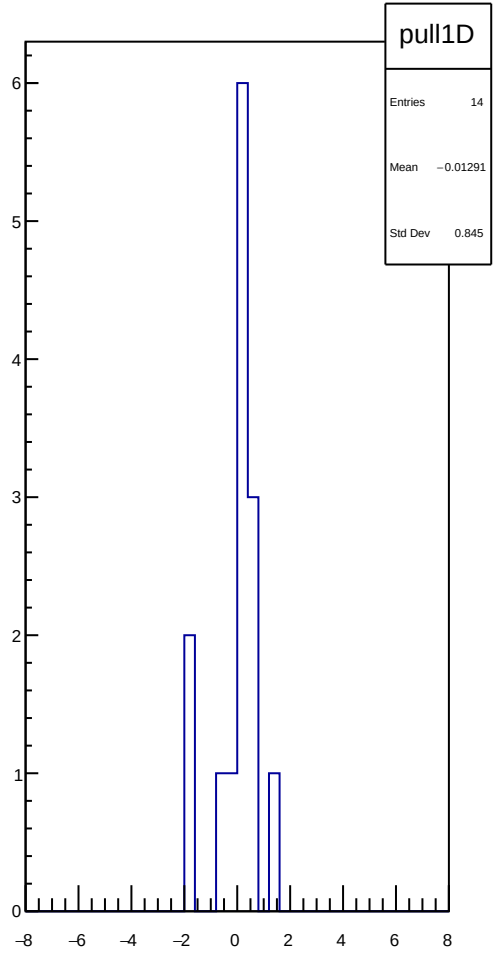

dit_asym_atl_dd_rms vs run
χ² / ndf 593.3 / 13
p0 8798 ± 16.26
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

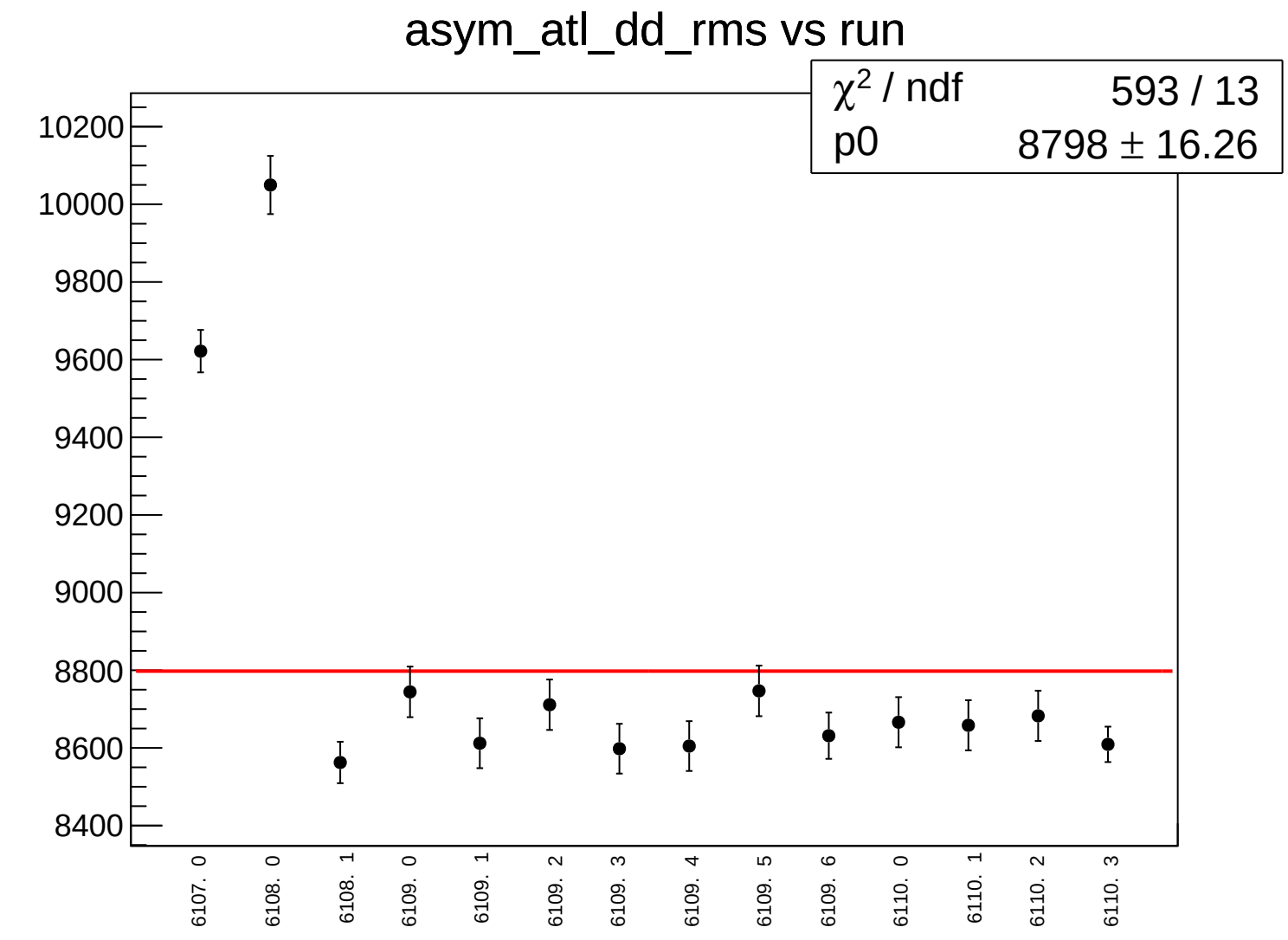

asym_atl_dd_correction_mean vs run
χ² / ndf 23.47 / 13
p0 −24.53 ± 115.1
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.015
Std Dev 8.659
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

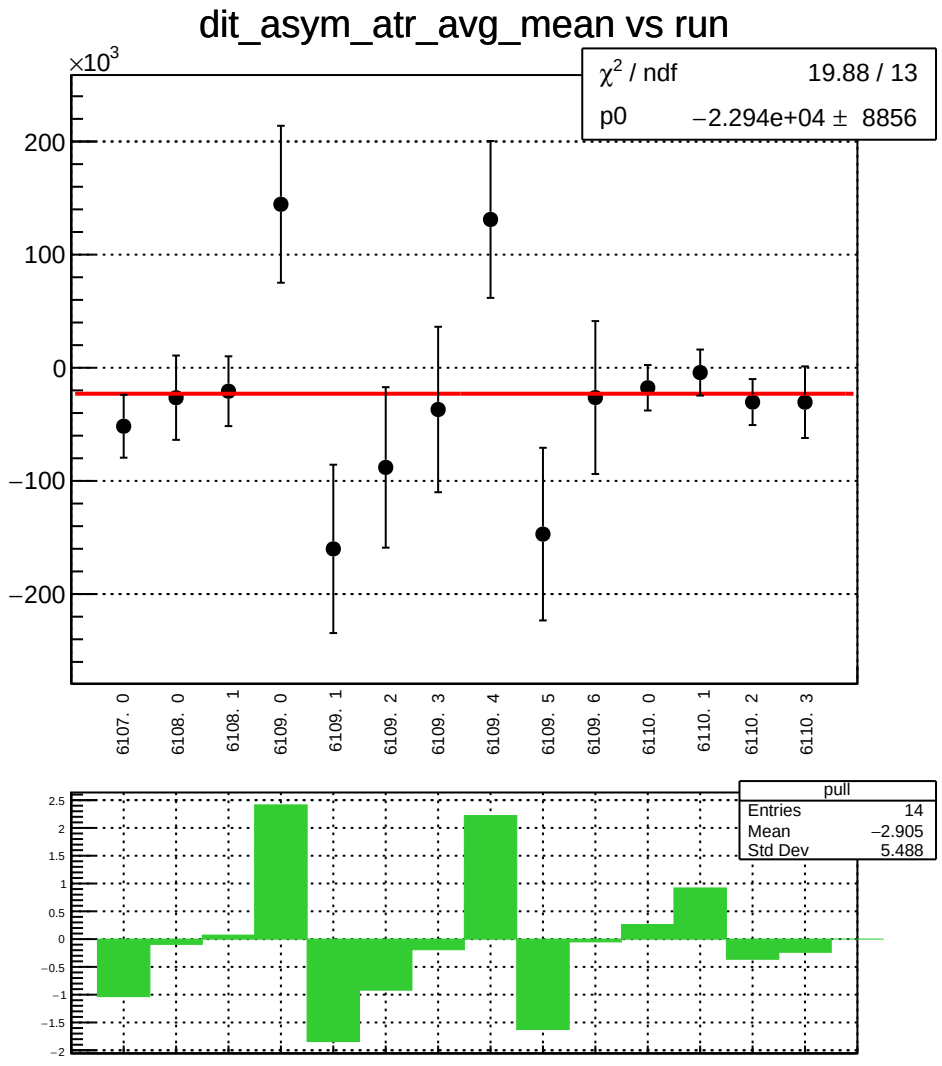

pull1D
Entries 14
Mean −0.1745
Std Dev 1.283
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

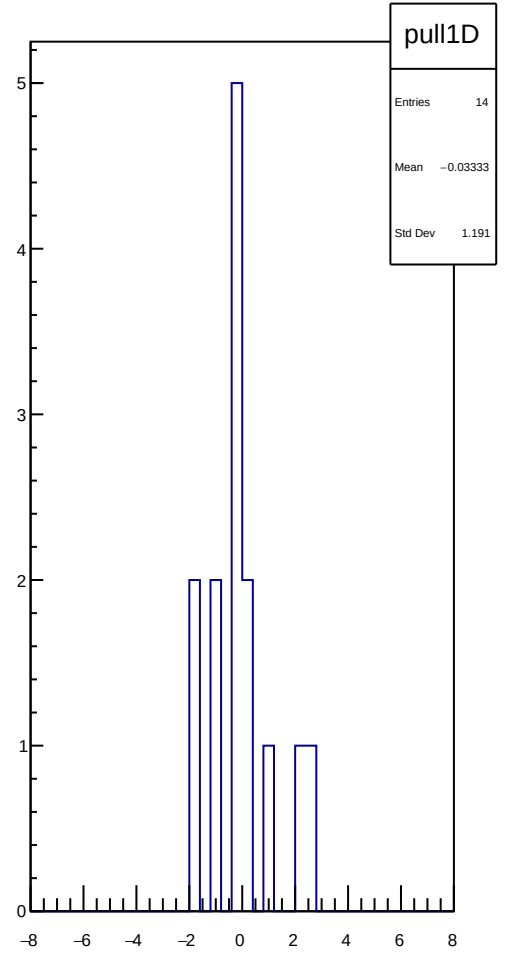

asym_atl_dd_correction_rms vs run
χ² / ndf 3.535e+04 / 13
p0 41.33 ± 0.08137
100
90
80
70
60
50
40
30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

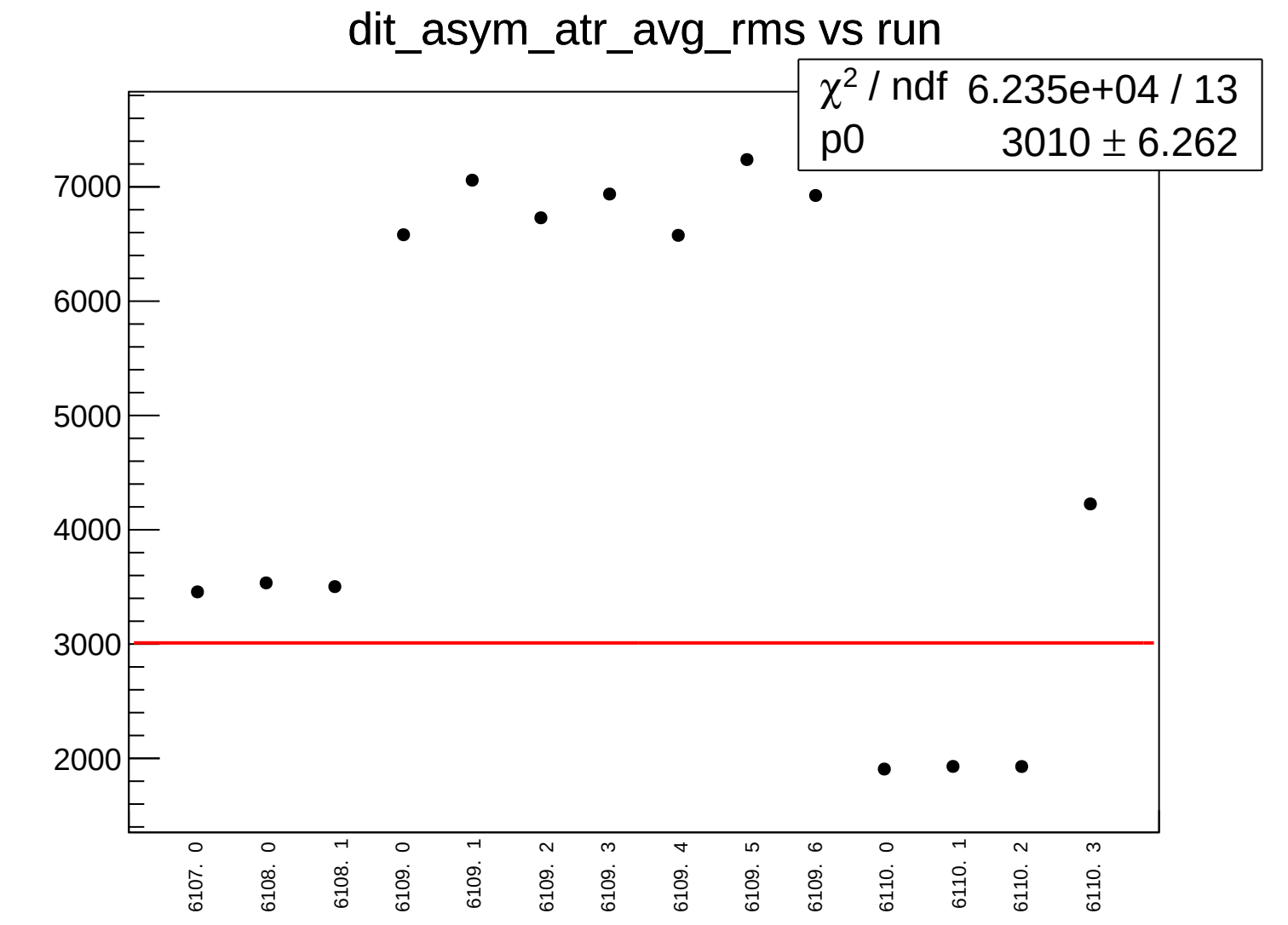

asym_atl_dd_mean vs run
×10^3
χ² / ndf 9.999 / 13
p0 2.58e+04 ± 2.299e+04
300
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −3.815
Std Dev 1.796
1.5
1
0.5
0
−0.5
−1
−1.5
−2

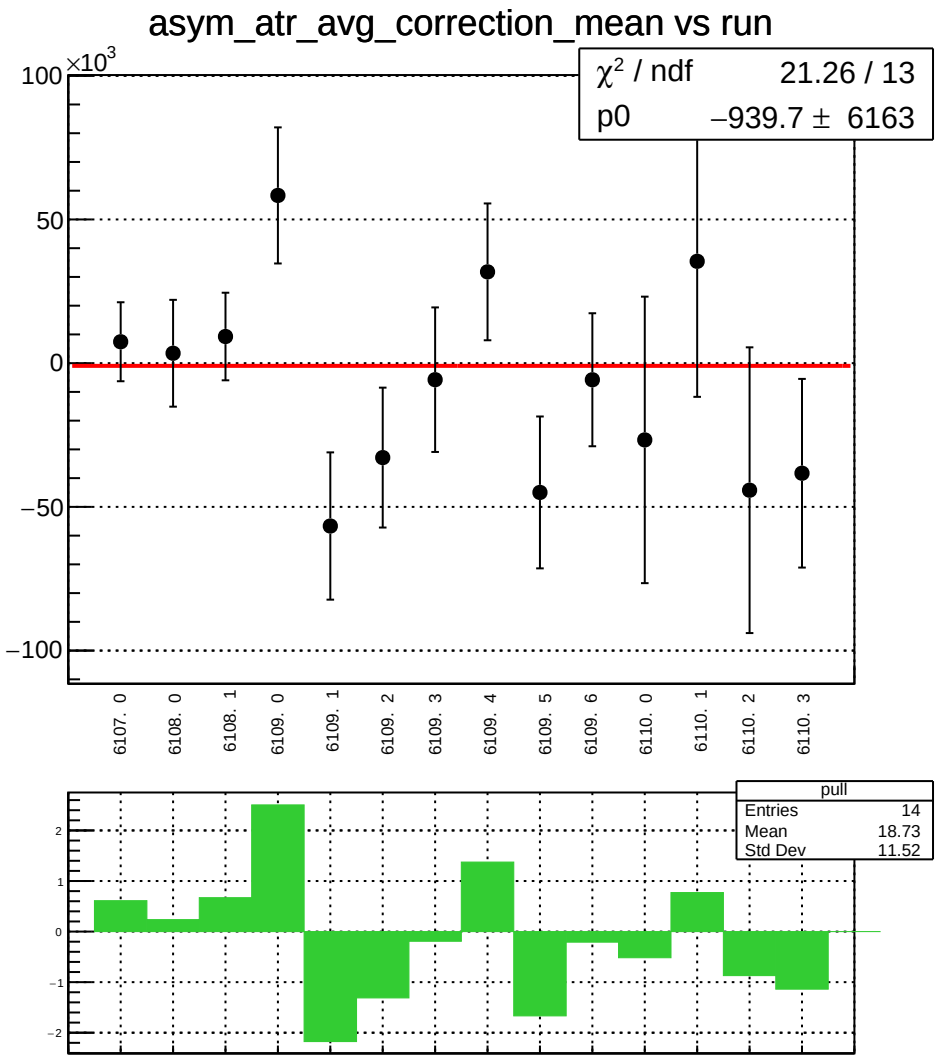

pull1D
Entries 14
Mean −0.01291
Std Dev 0.845
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

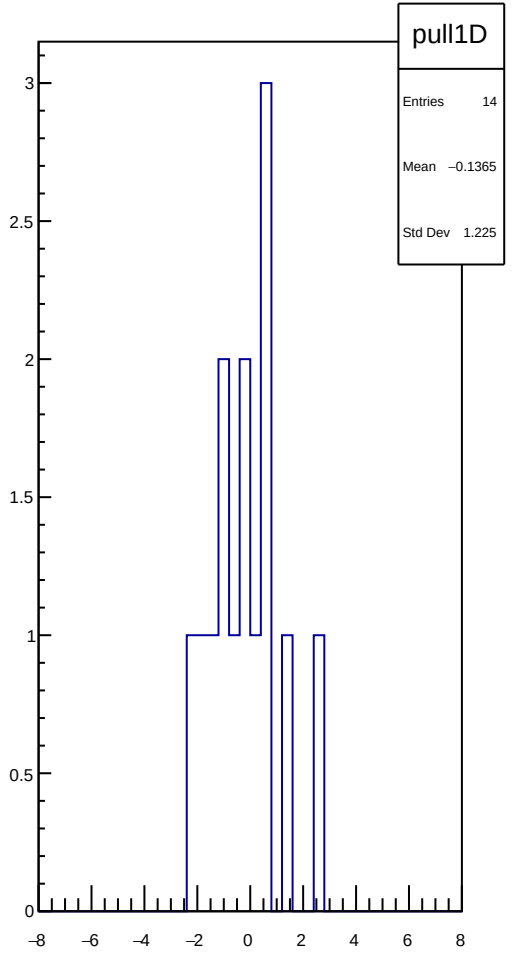

asym_atl_dd_rms vs run
χ² / ndf 593 / 13
p0 8798 ± 16.26
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

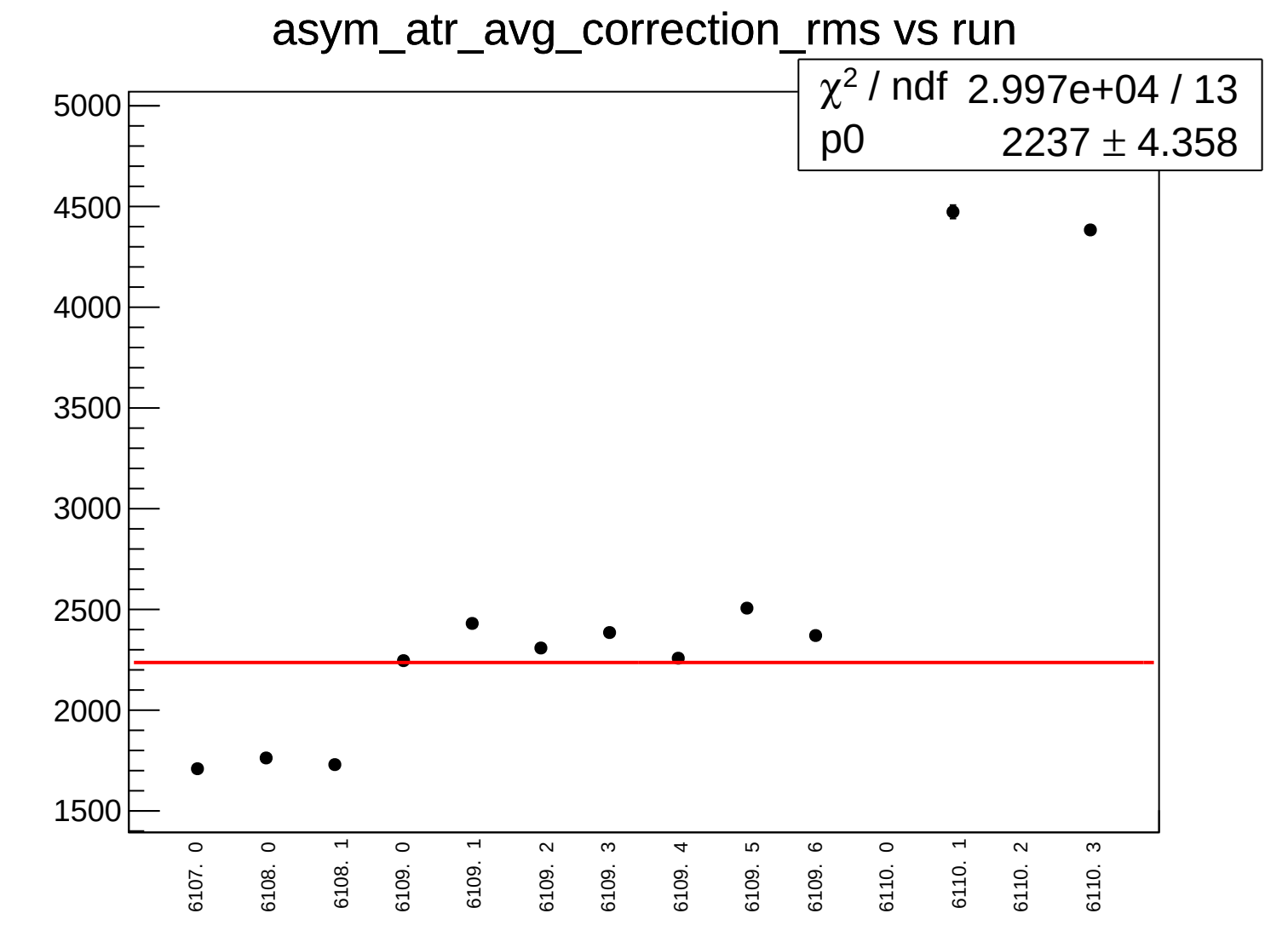

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 19.88 / 13
p0 −2.294e+04 ± 8856
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −2.905
Std Dev 5.488
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

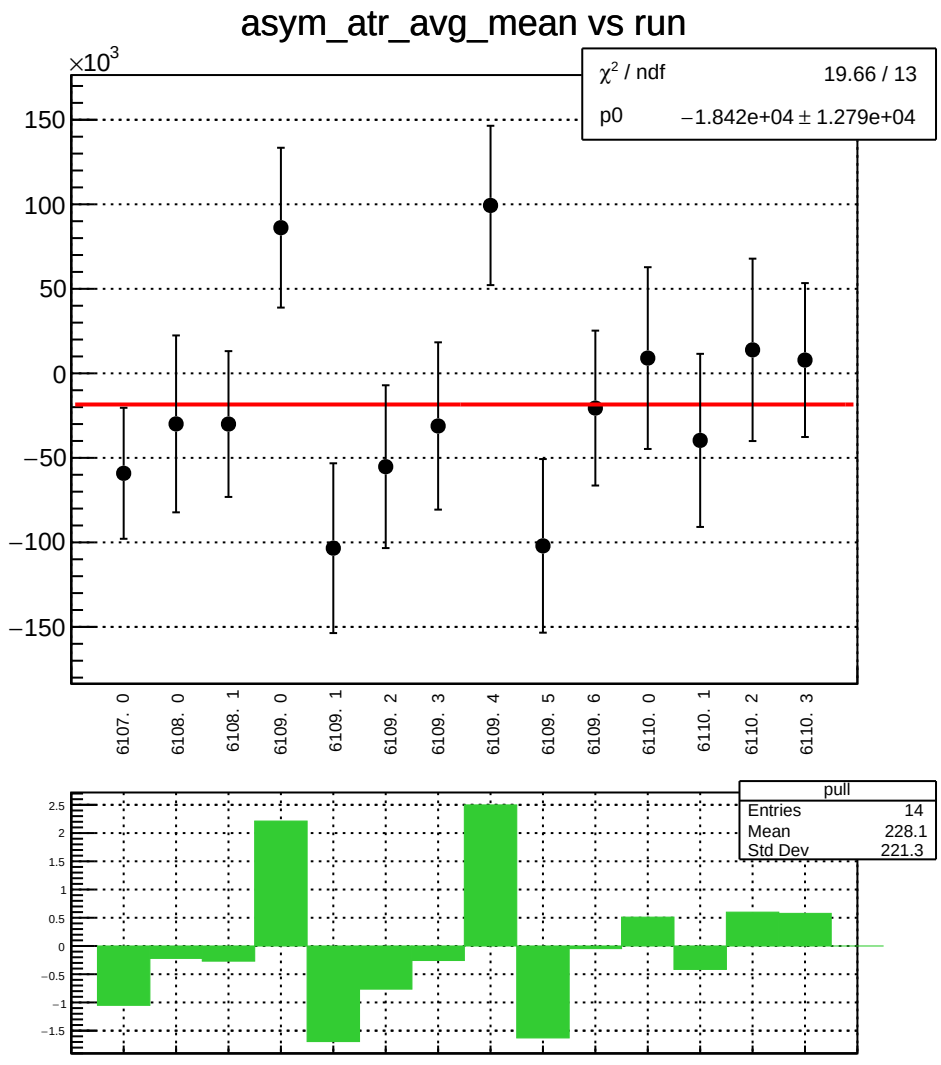

pull1D
Entries 14
Mean −0.03333
Std Dev 1.191
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

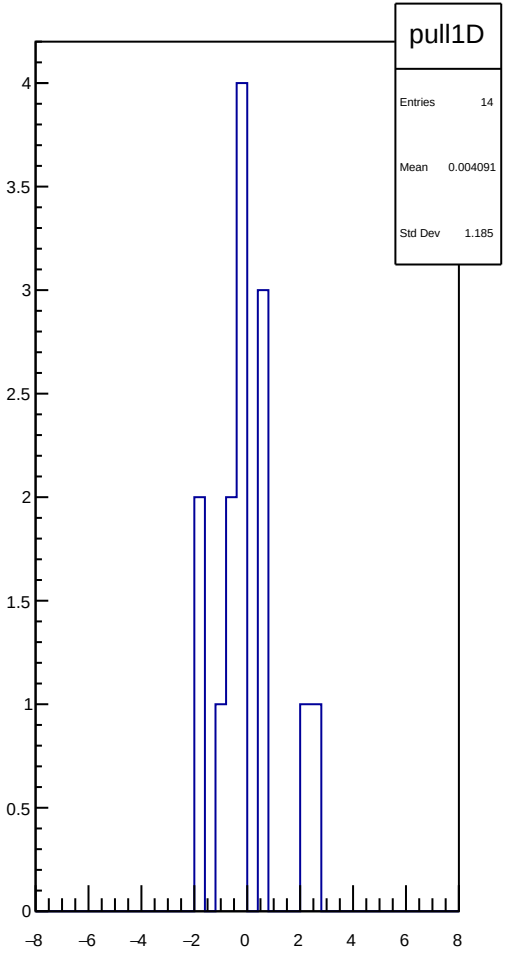

dit_asym_atr_avg_rms vs run
χ² / ndf 6.235e+04 / 13
p0 3010 ± 6.262
7000
6000
5000
4000
3000
2000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

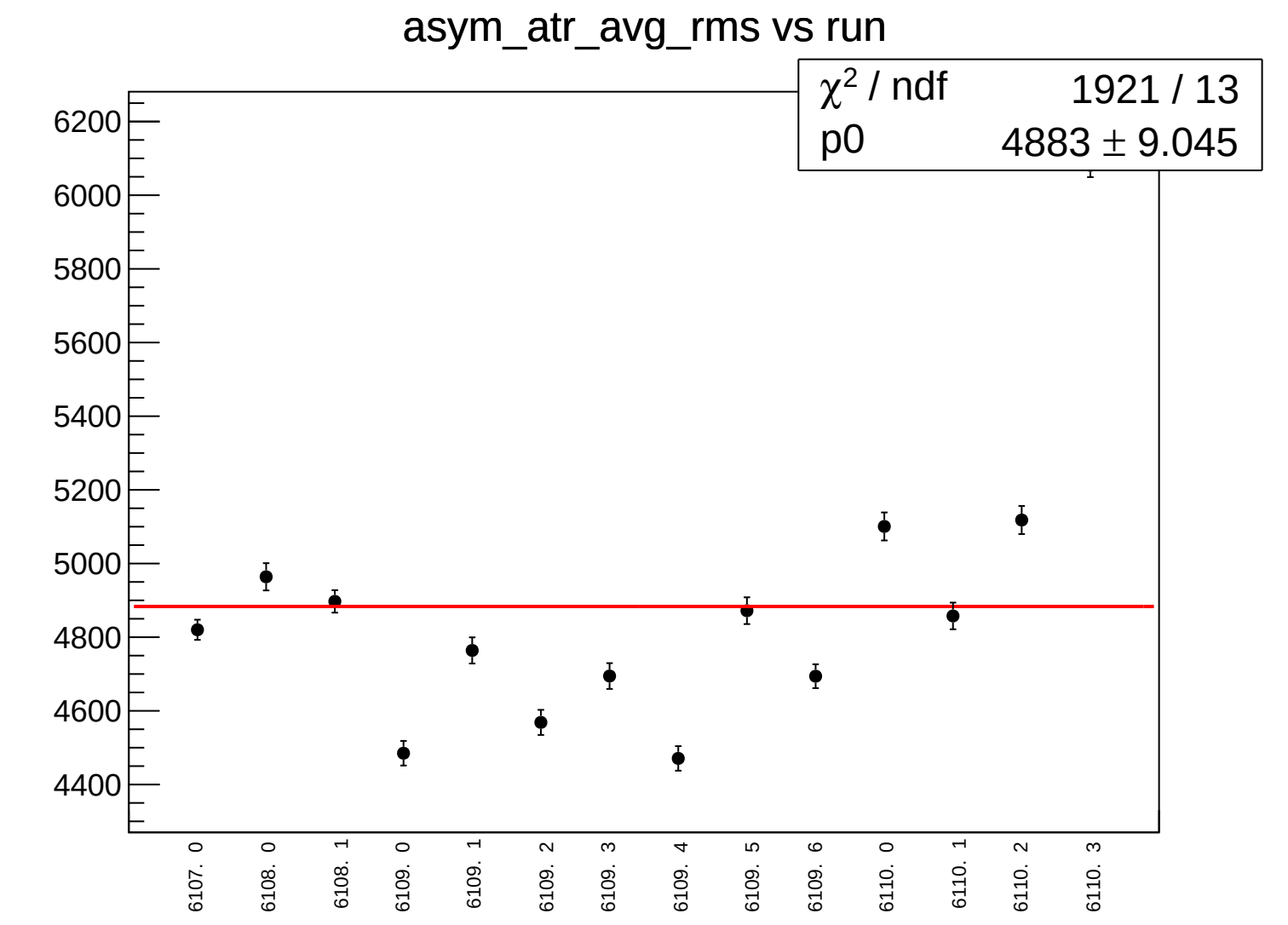

asym_atr_avg_correction_mean vs run
χ² / ndf 21.26 / 13
p0 −939.7 ± 6163
×10³
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 18.73
Std Dev 11.52
2
1
0
−1
−2

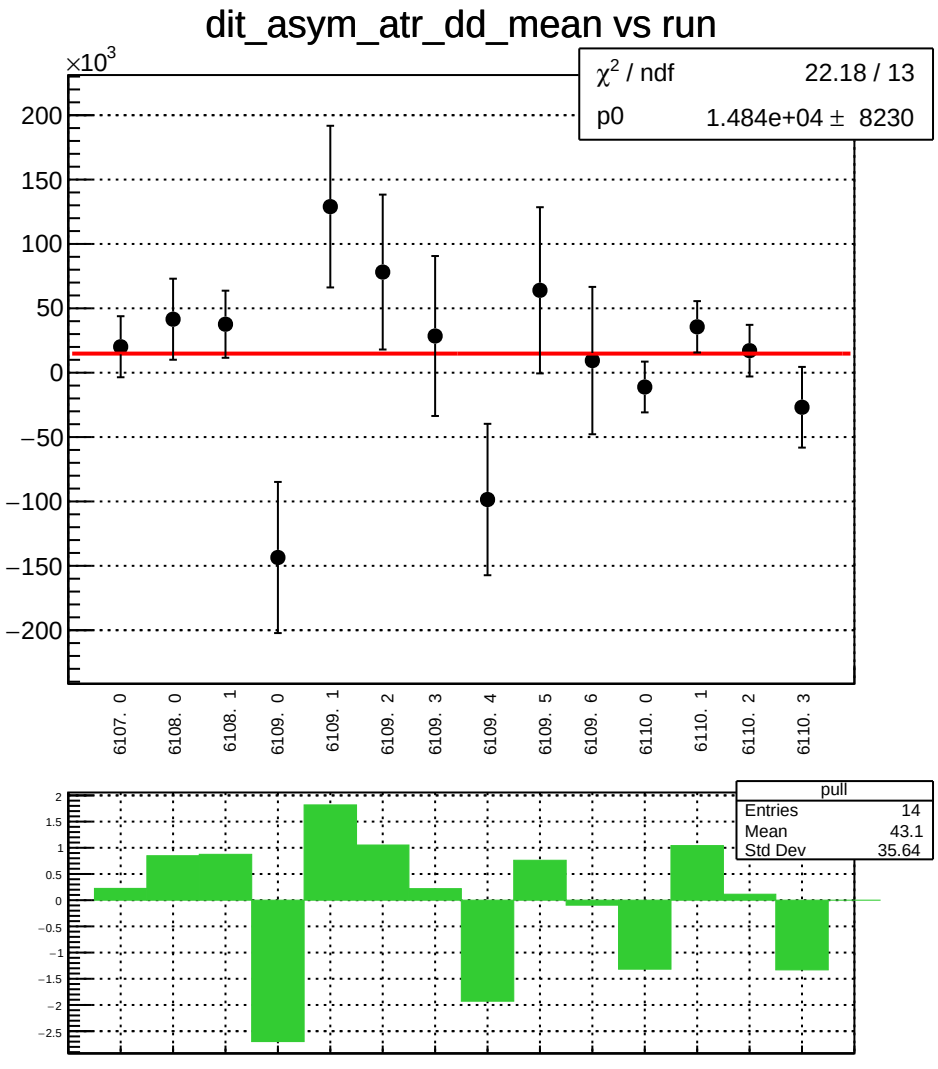

pull1D
Entries 14
Mean −0.1365
Std Dev 1.225
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

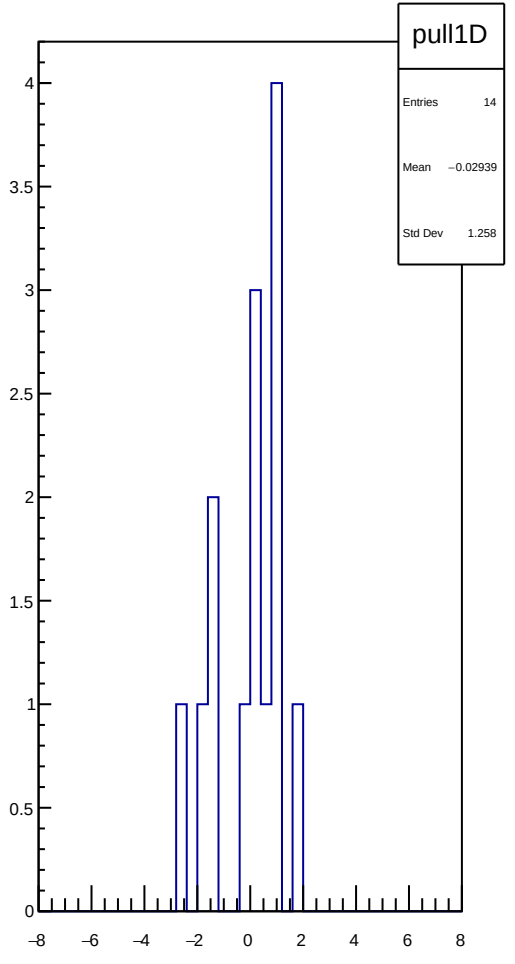

asym_atr_avg_correction_rms vs run
χ² / ndf 2.997e+04 / 13
p0 2237 ± 4.358
5000
4500
4000
3500
3000
2500
2000
1500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

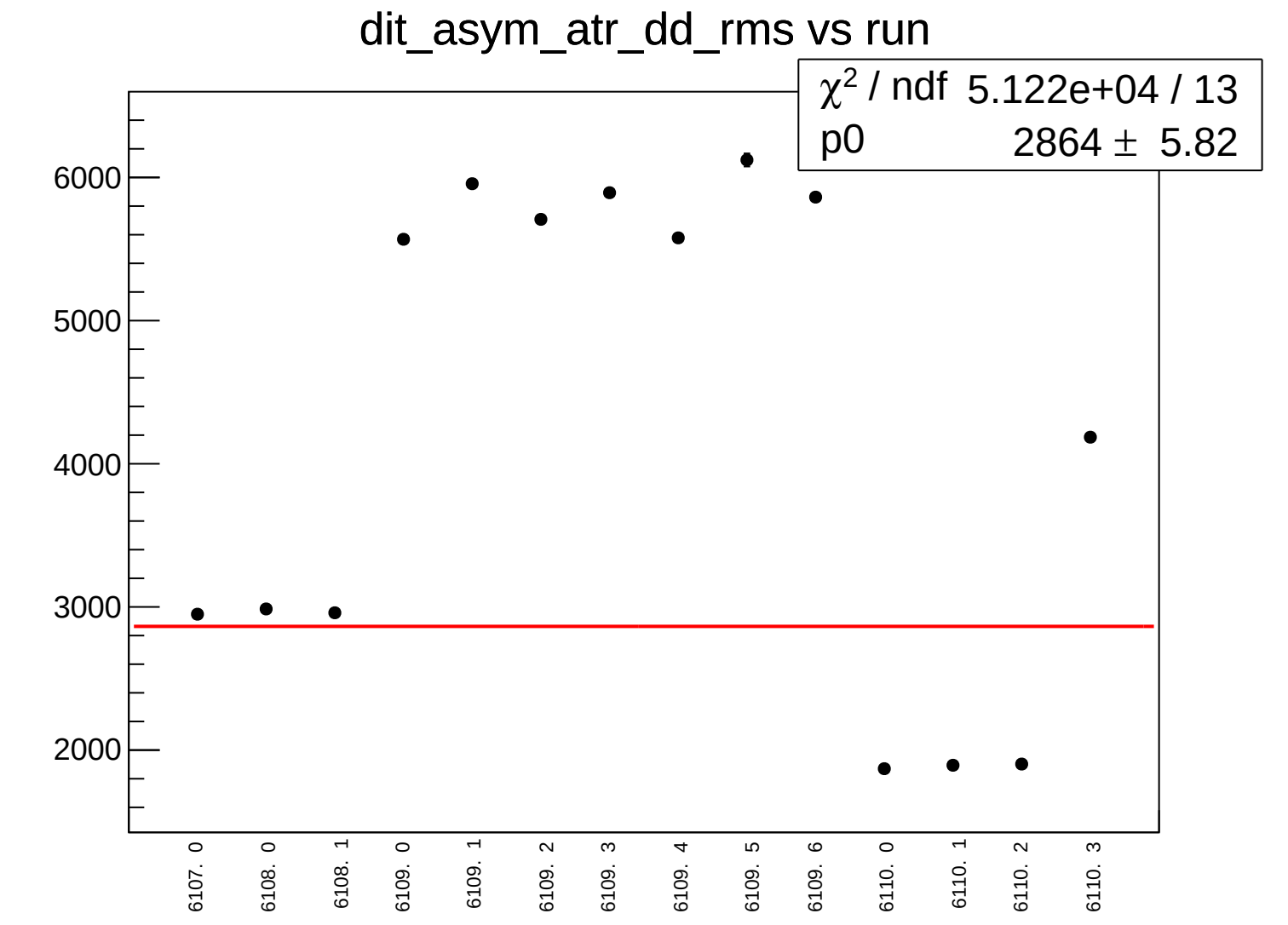

asym_atr_avg_mean vs run
×10^3
χ² / ndf 19.66 / 13
p0 −1.842e+04 ± 1.279e+04
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 228.1
Std Dev 221.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

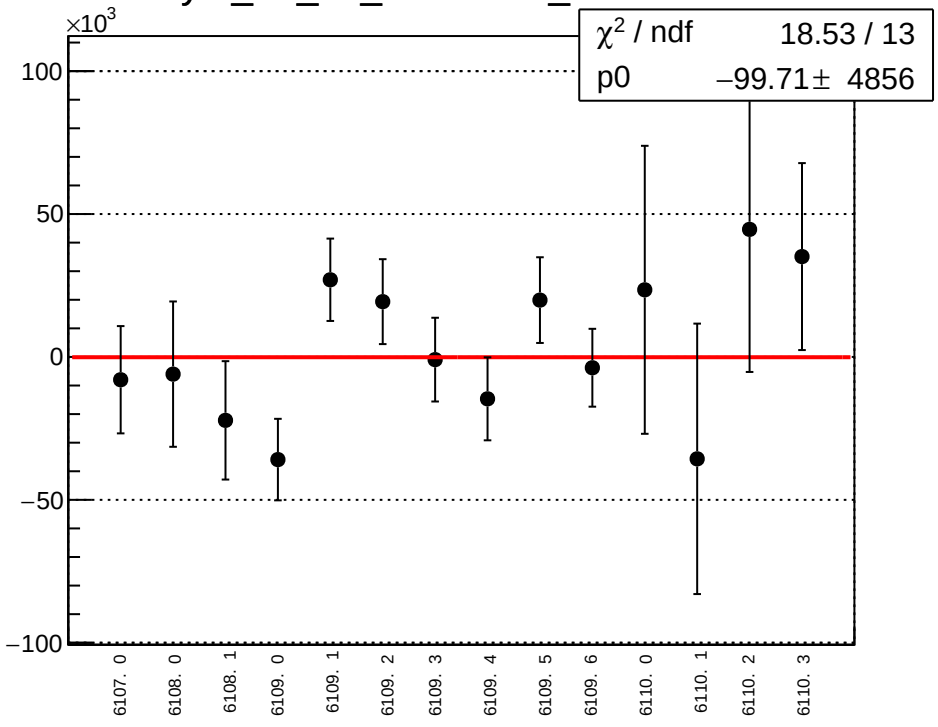

pull1D
Entries 14
Mean 0.004091
Std Dev 1.185
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

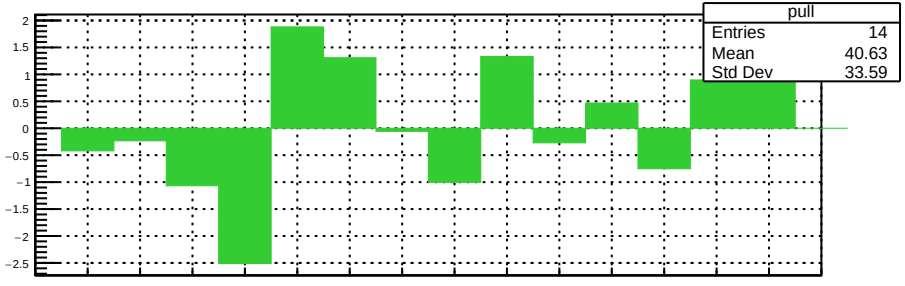

asym_atr_avg_rms vs run
χ² / ndf 1921 / 13
p0 4883 ± 9.045
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

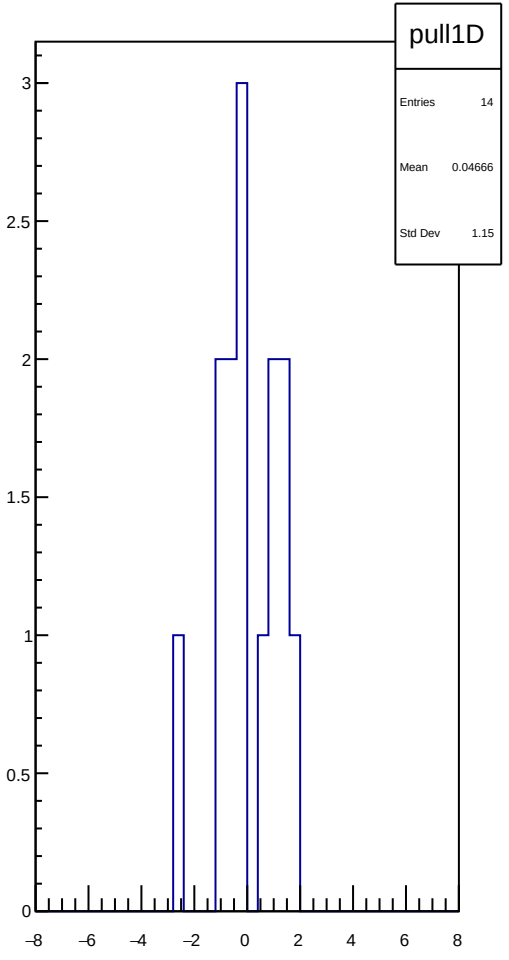

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 22.18 / 13
p0 1.484e+04 ± 8230
200
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 43.1
Std Dev 35.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

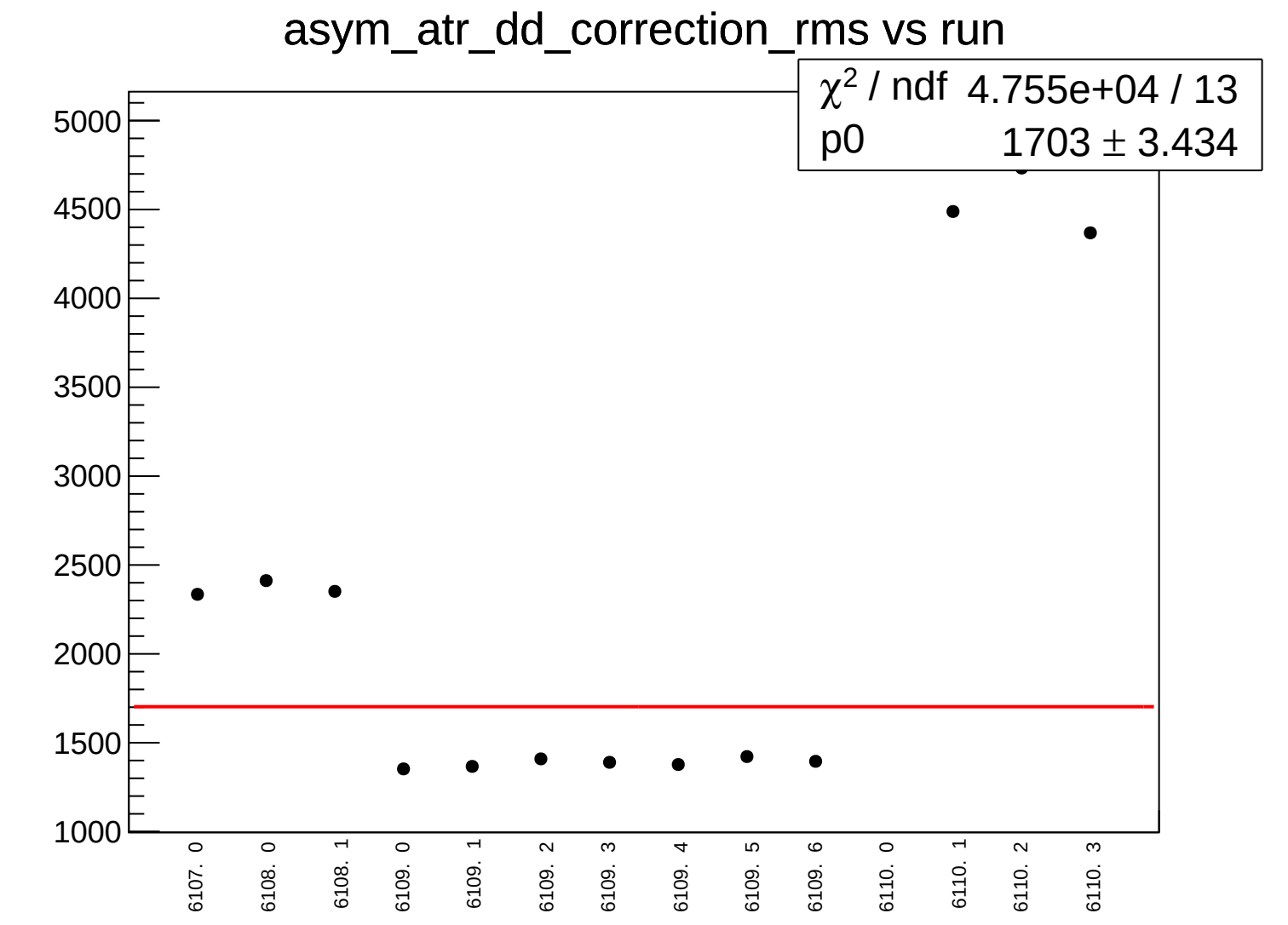

pull1D
Entries 14
Mean −0.02939
Std Dev 1.258
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

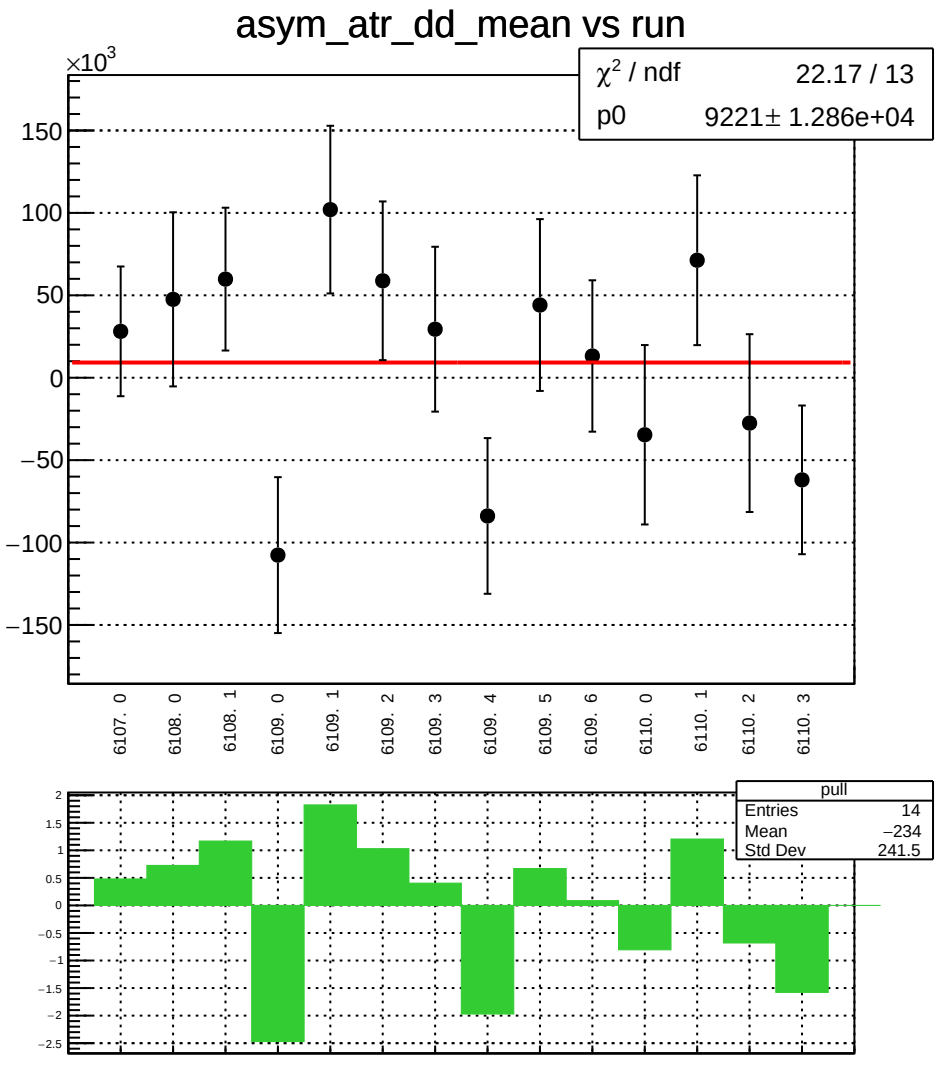

dit_asym_atr_dd_rms vs run
χ² / ndf 5.122e+04 / 13
p0 2864 ± 5.82
6000
5000
4000
3000
2000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

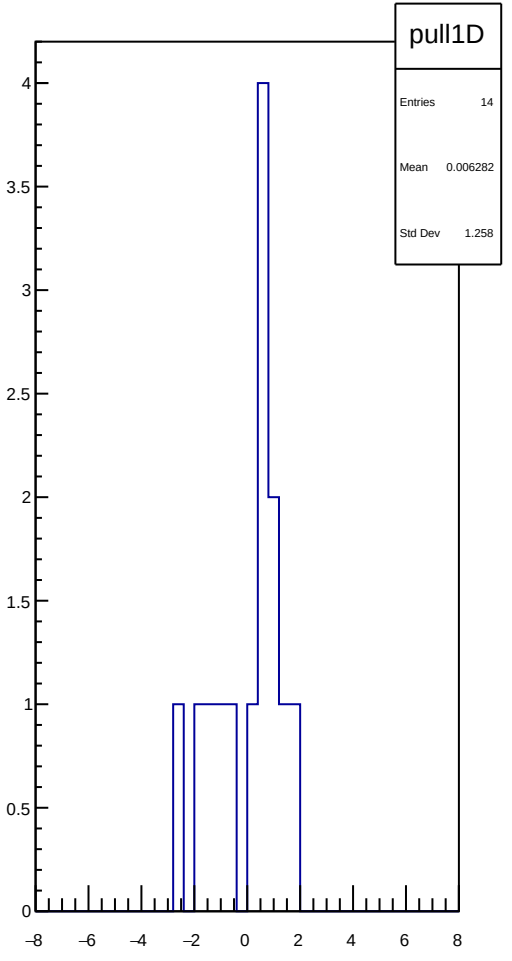

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 18.53 / 13
p0 −99.71± 4856
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

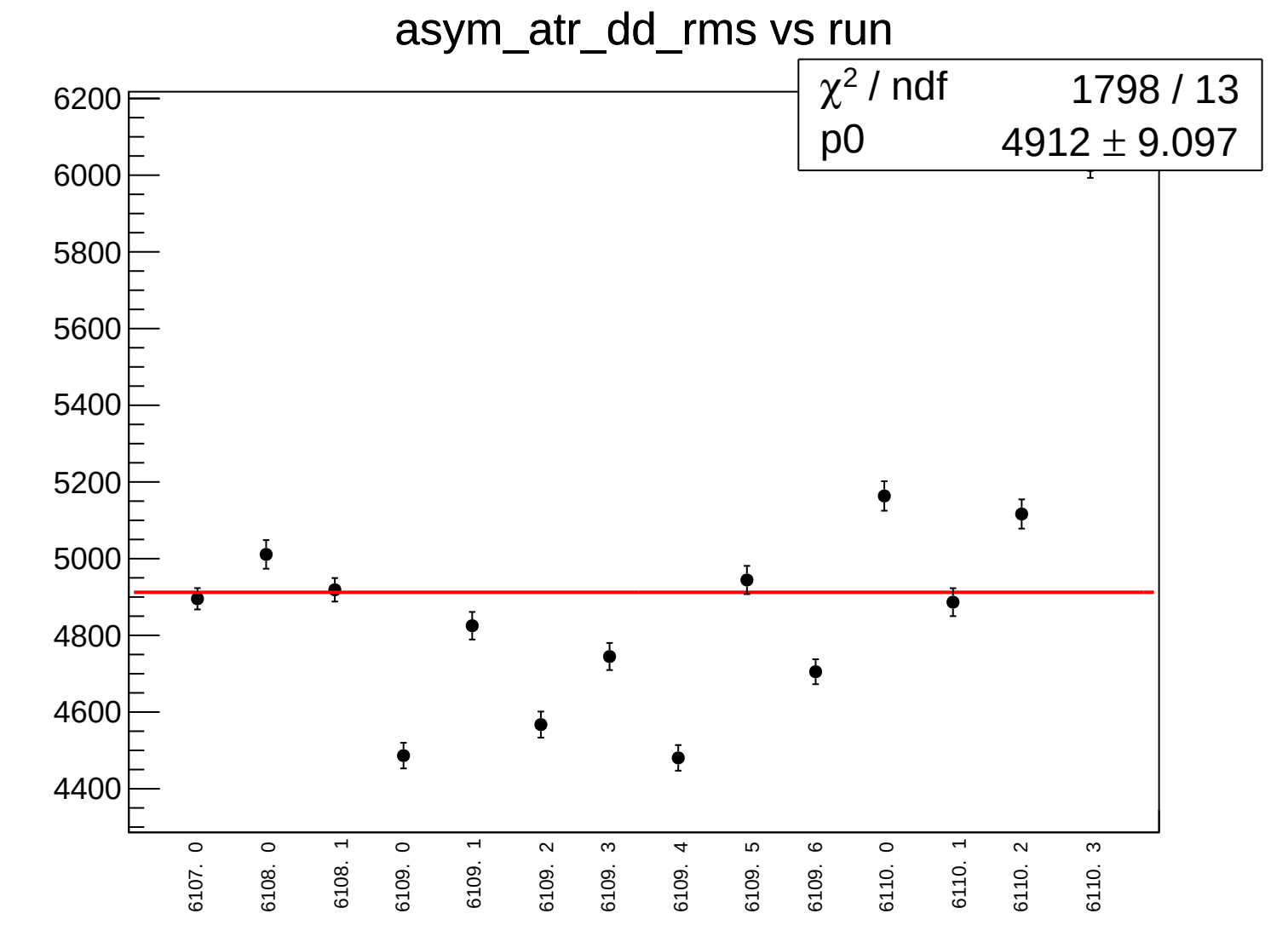

pull
Entries 14
Mean 40.63
Std Dev 33.59
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

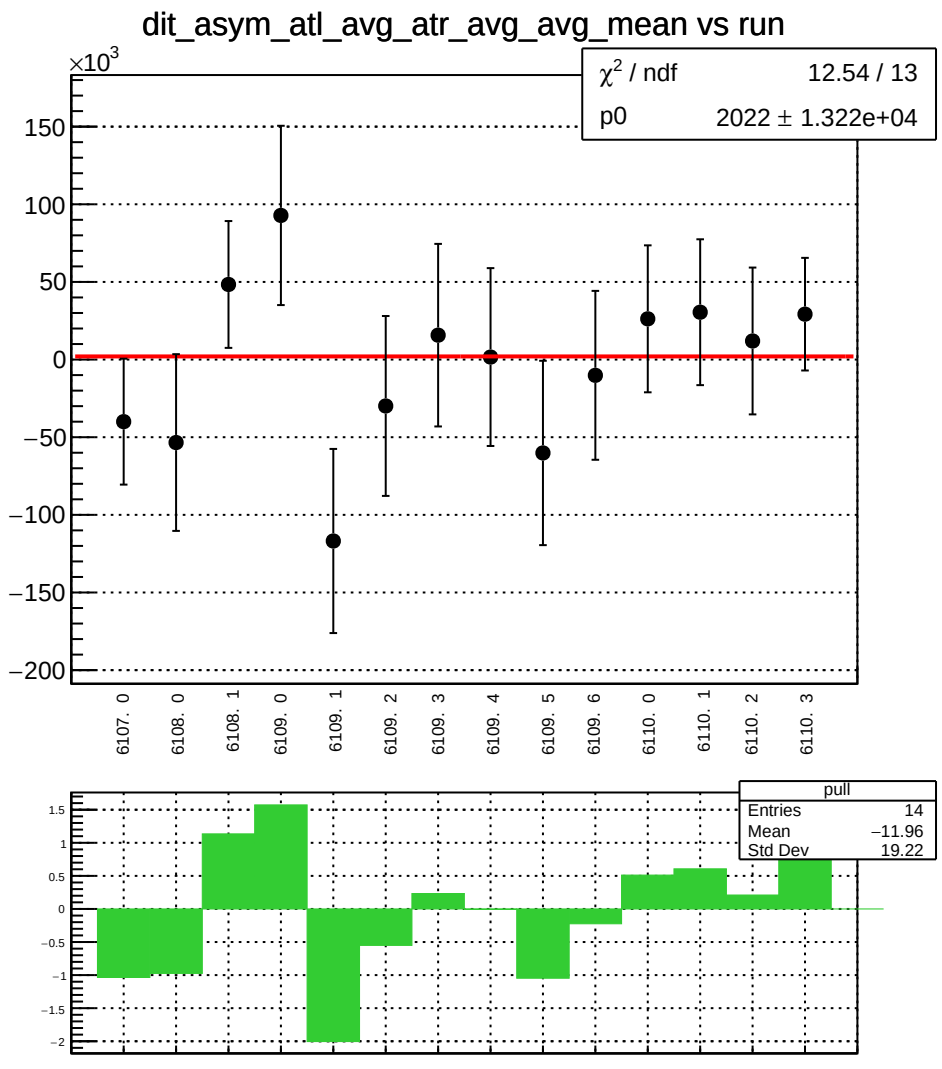

pull1D
Entries 14
Mean 0.04666
Std Dev 1.15
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

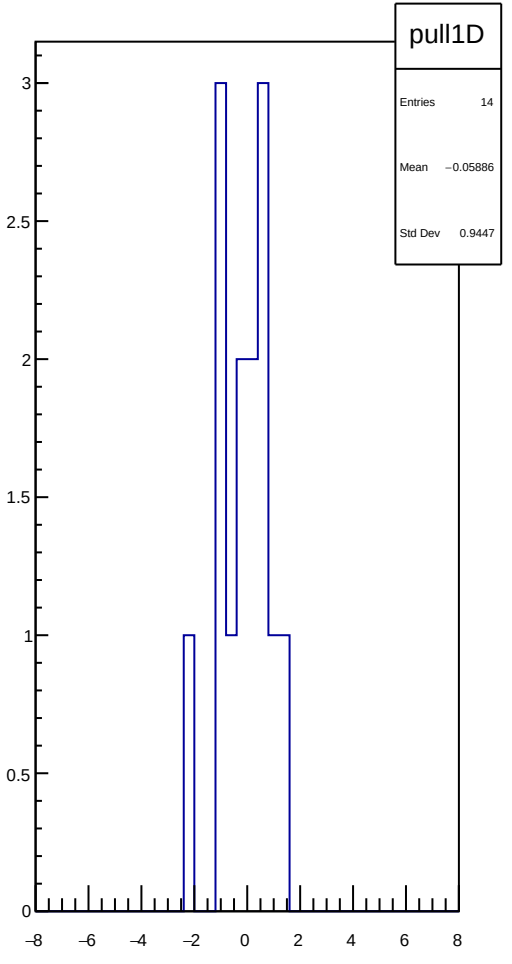

asym_atr_dd_correction_rms vs run
χ² / ndf 4.755e+04 / 13
p0 1703 ± 3.434
5000
4500
4000
3500
3000
2500
2000
1500
1000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

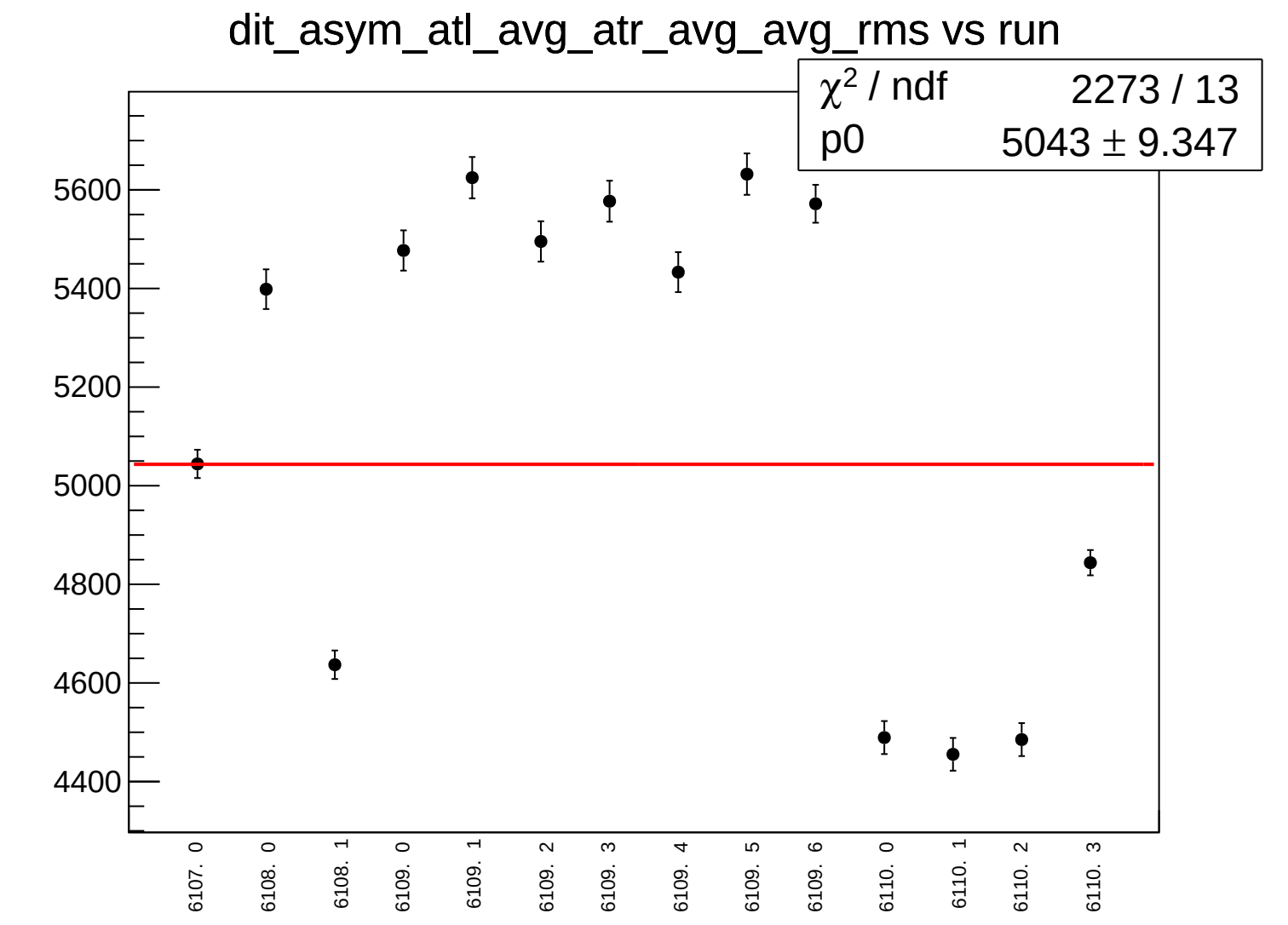

asym_atr_dd_mean vs run
×10^3
χ² / ndf 22.17 / 13
p0 9221± 1.286e+04
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −234
Std Dev 241.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

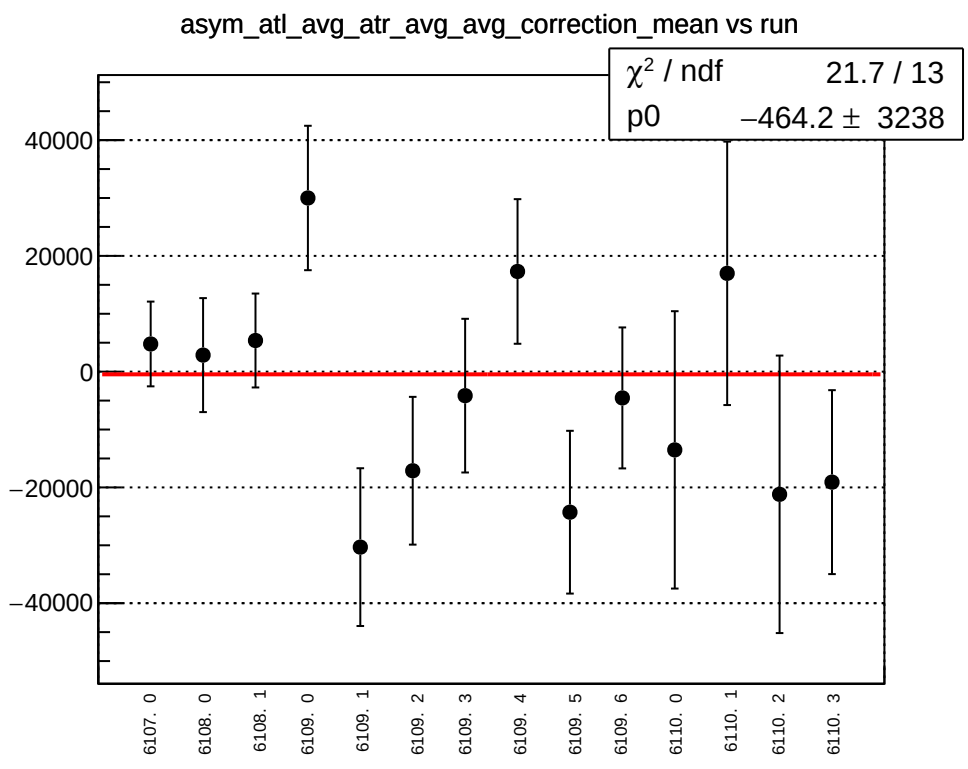

pull1D
Entries 14
Mean 0.006282
Std Dev 1.258
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

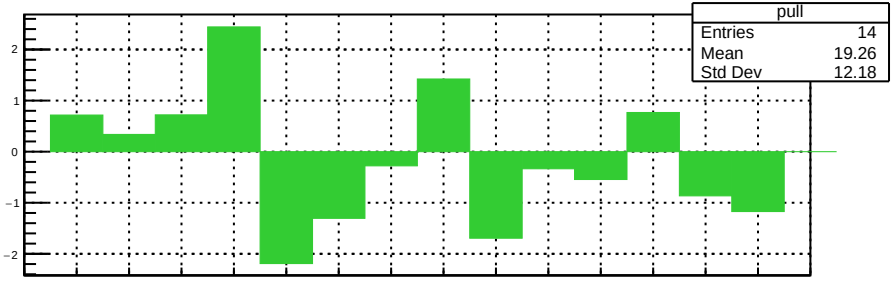

asym_atr_dd_rms vs run
χ^2 / ndf 1798 / 13
p0 4912 ± 9.097
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

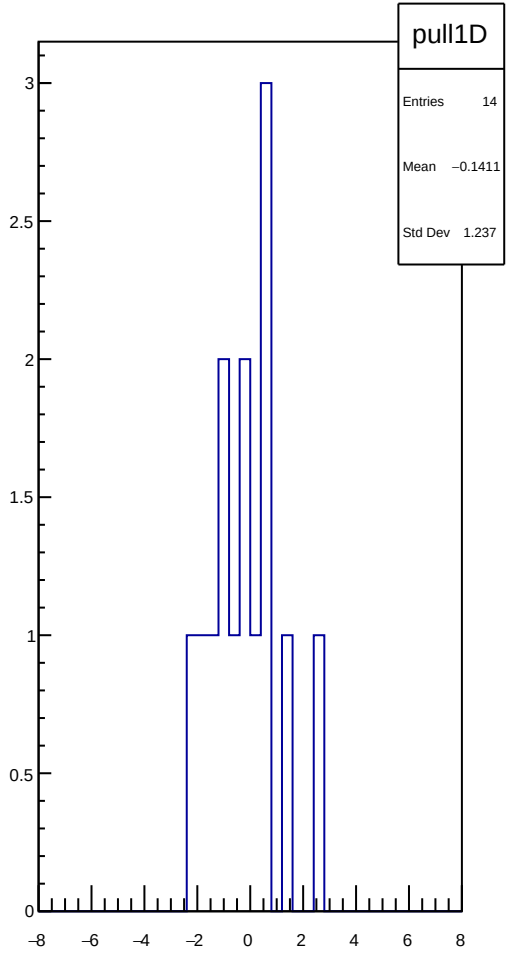

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 12.54 / 13
p0 2022 ± 1.322e+04
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.96
Std Dev 19.22
1.5
1
0.5
0
−0.5
−1
−1.5
−2

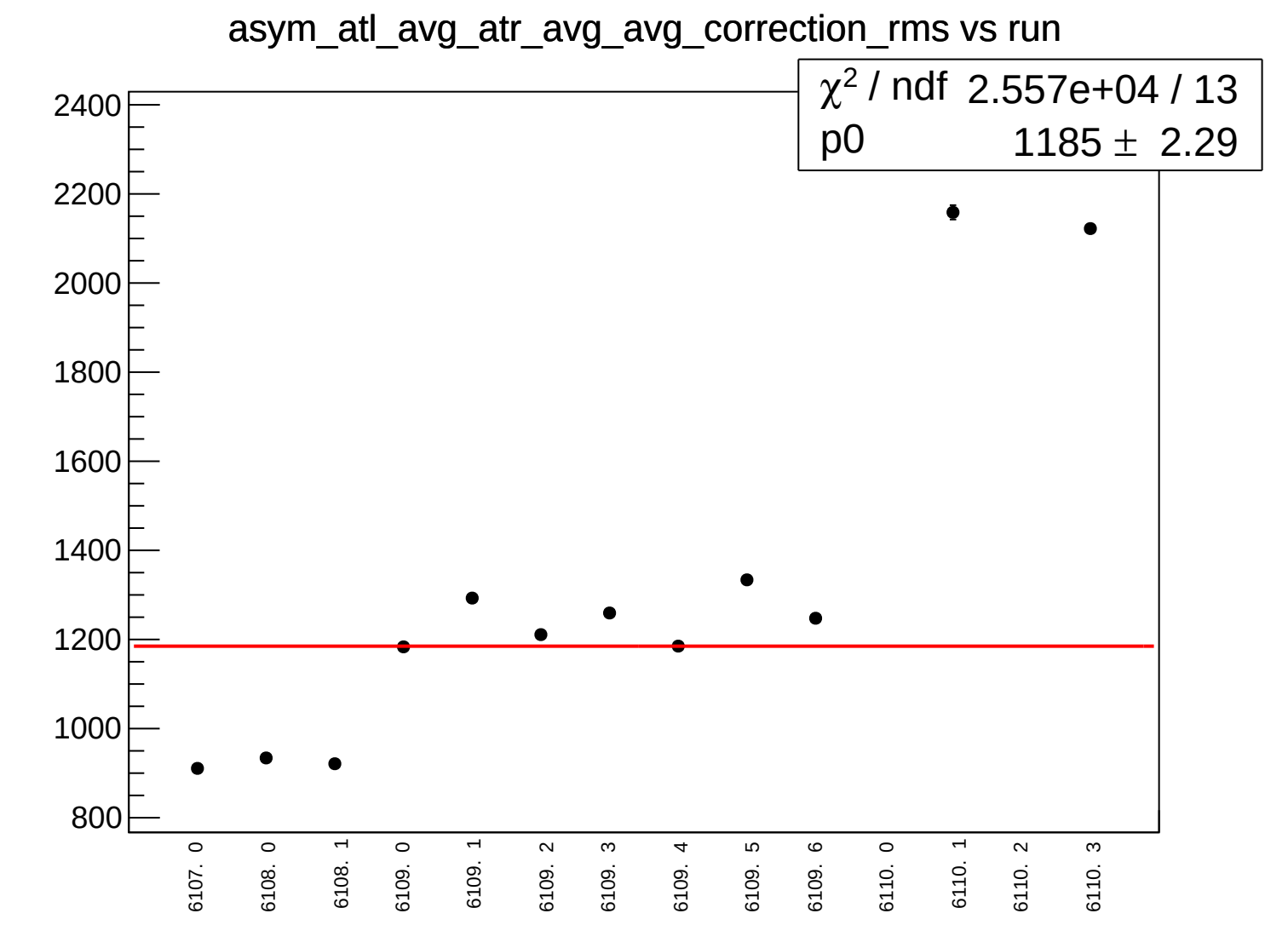

pull1D
Entries 14
Mean −0.05886
Std Dev 0.9447
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

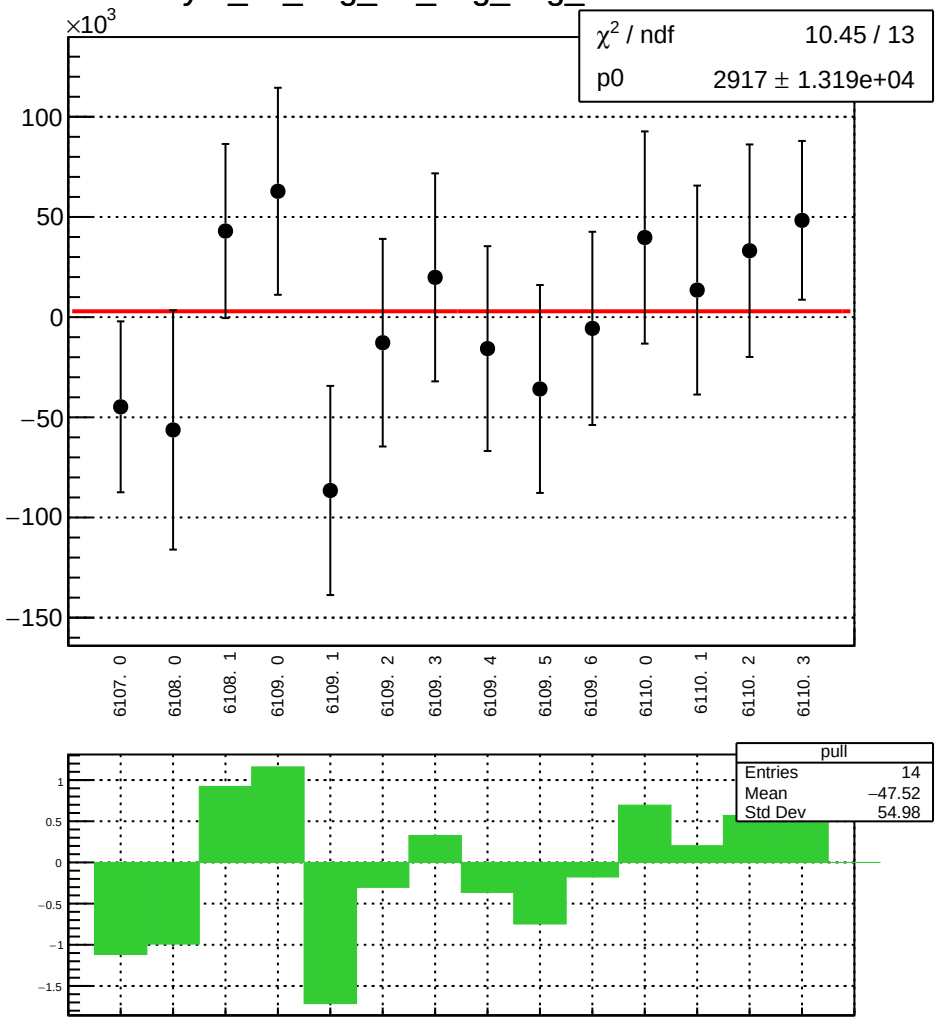

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2273 / 13
p0 5043 ± 9.347
5600
5400
5200
5000
4800
4600
4400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

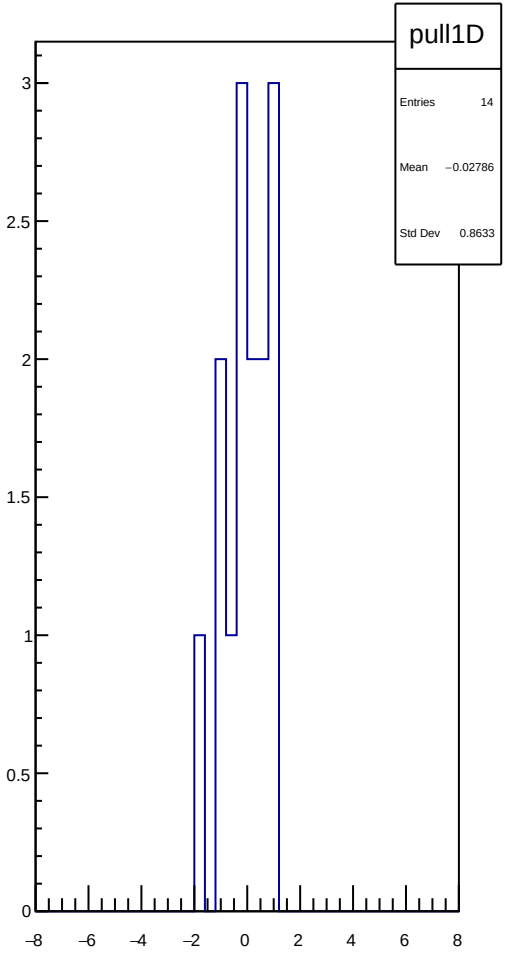

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 21.7 / 13
p0 −464.2 ± 3238
40000
20000
0
−20000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

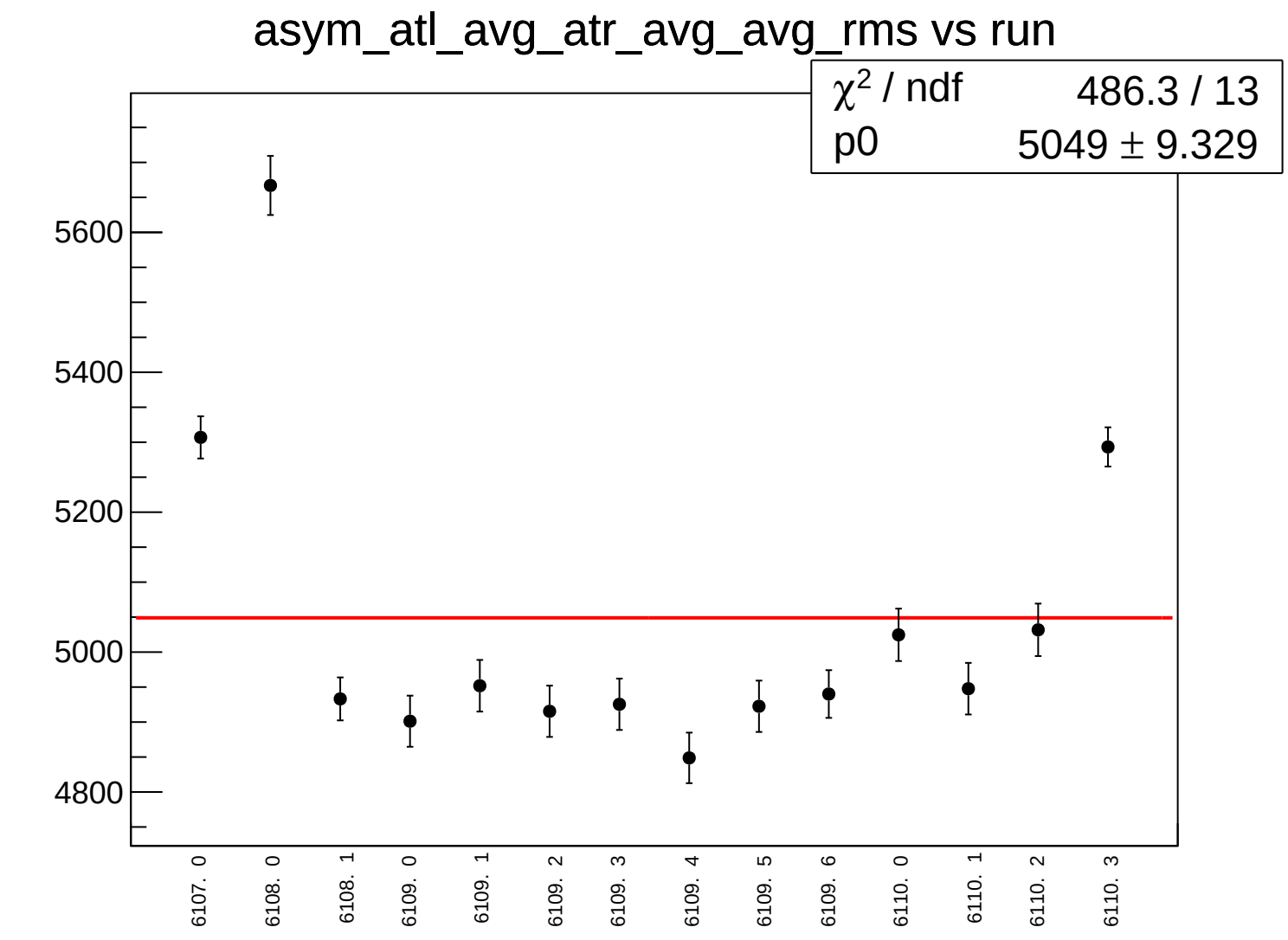

pull
Entries 14
Mean 19.26
Std Dev 12.18
2
1
0
−1
−2

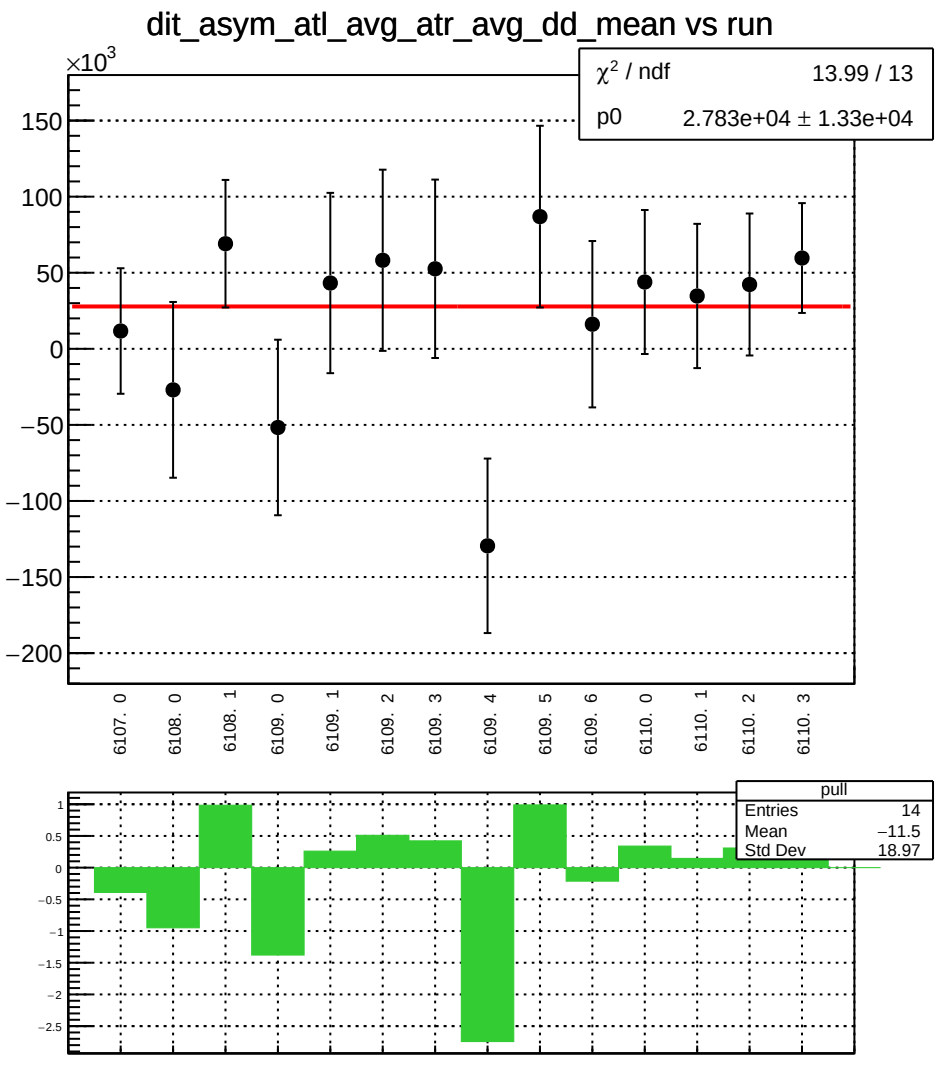

pull1D
Entries 14
Mean −0.1411
Std Dev 1.237
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

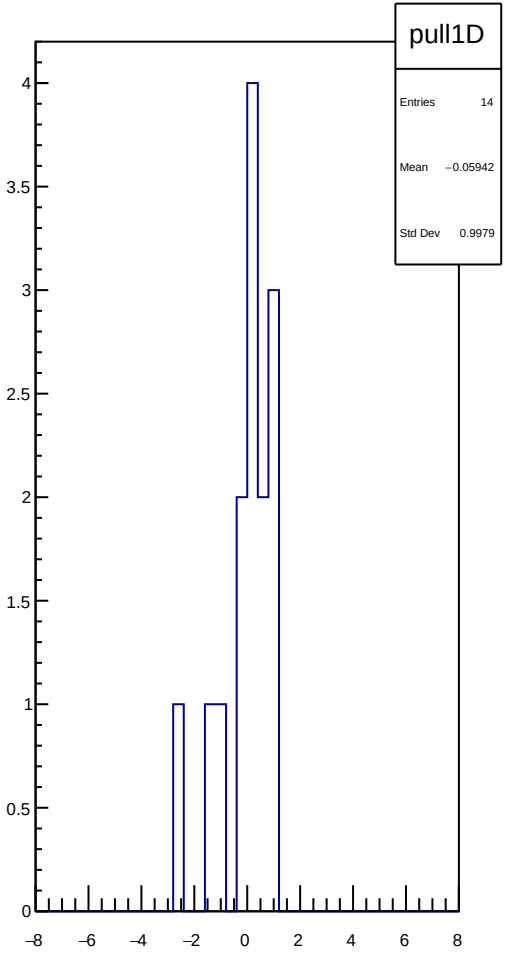

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.557e+04 / 13
p0 1185 ± 2.29
2400
2200
2000
1800
1600
1400
1200
1000
800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

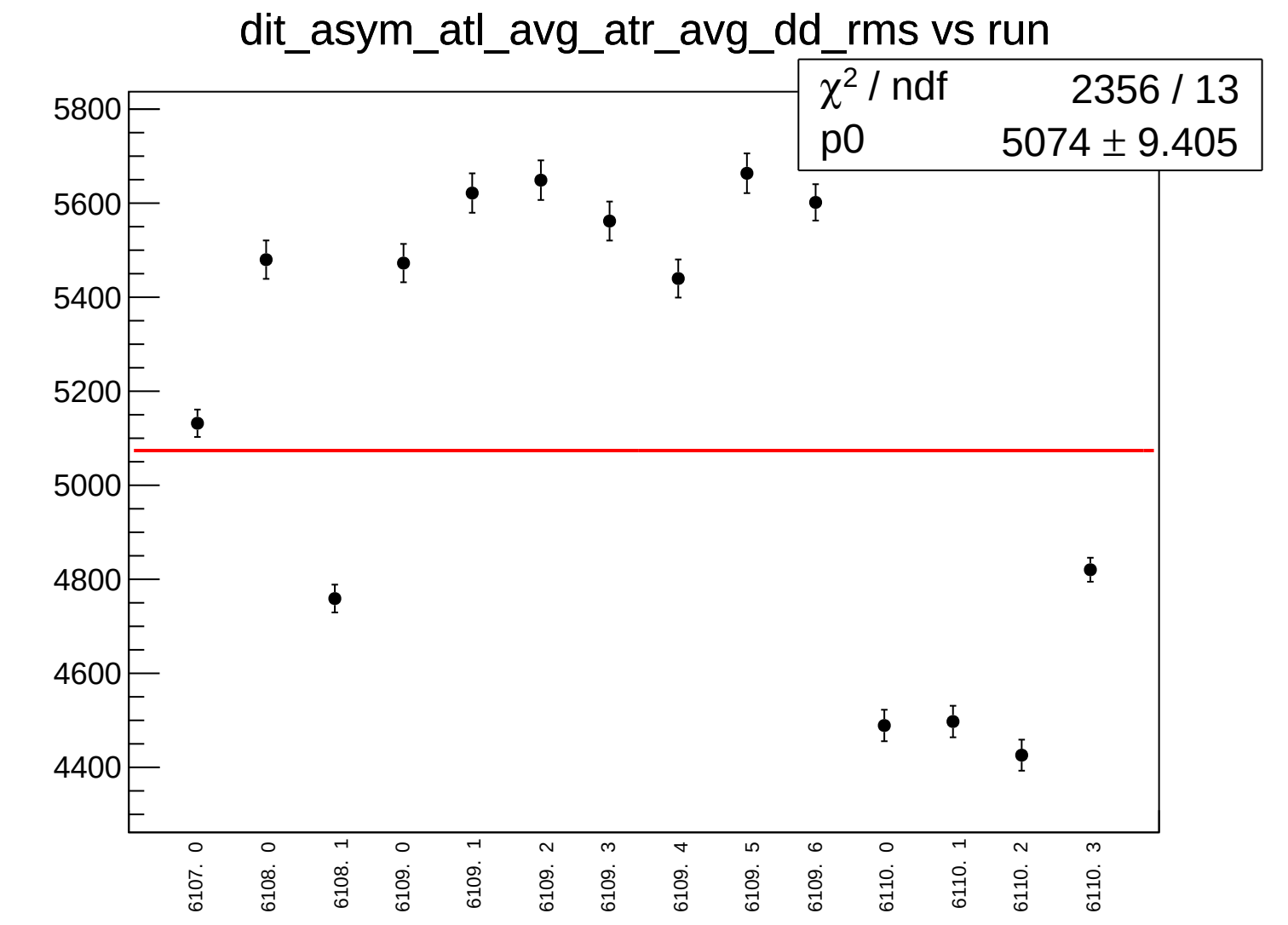

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 10.45 / 13
p0 2917 ± 1.319e+04
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −47.52
Std Dev 54.98
1
0.5
0
−0.5
−1
−1.5

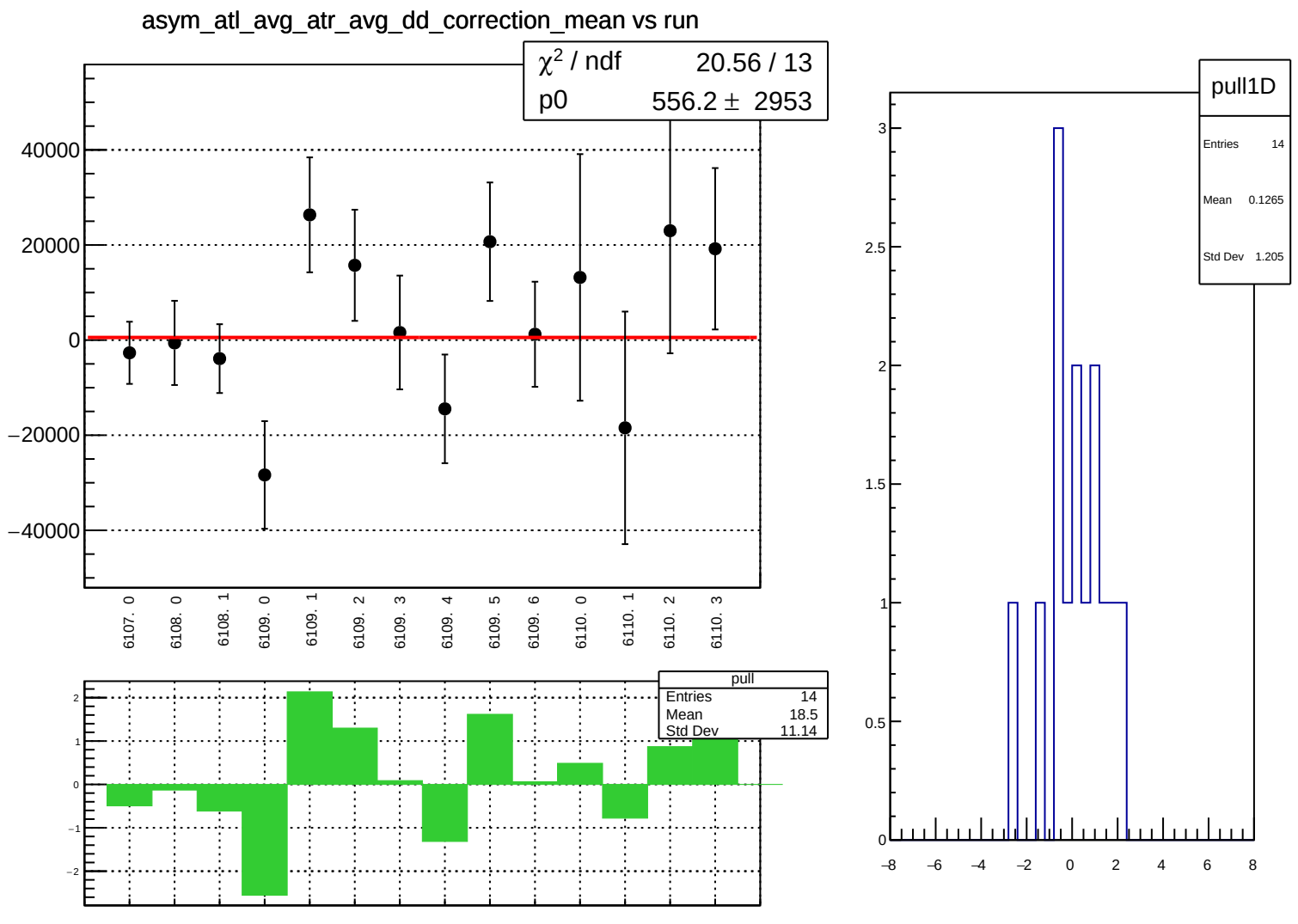

pull1D
Entries 14
Mean −0.02786
Std Dev 0.8633
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

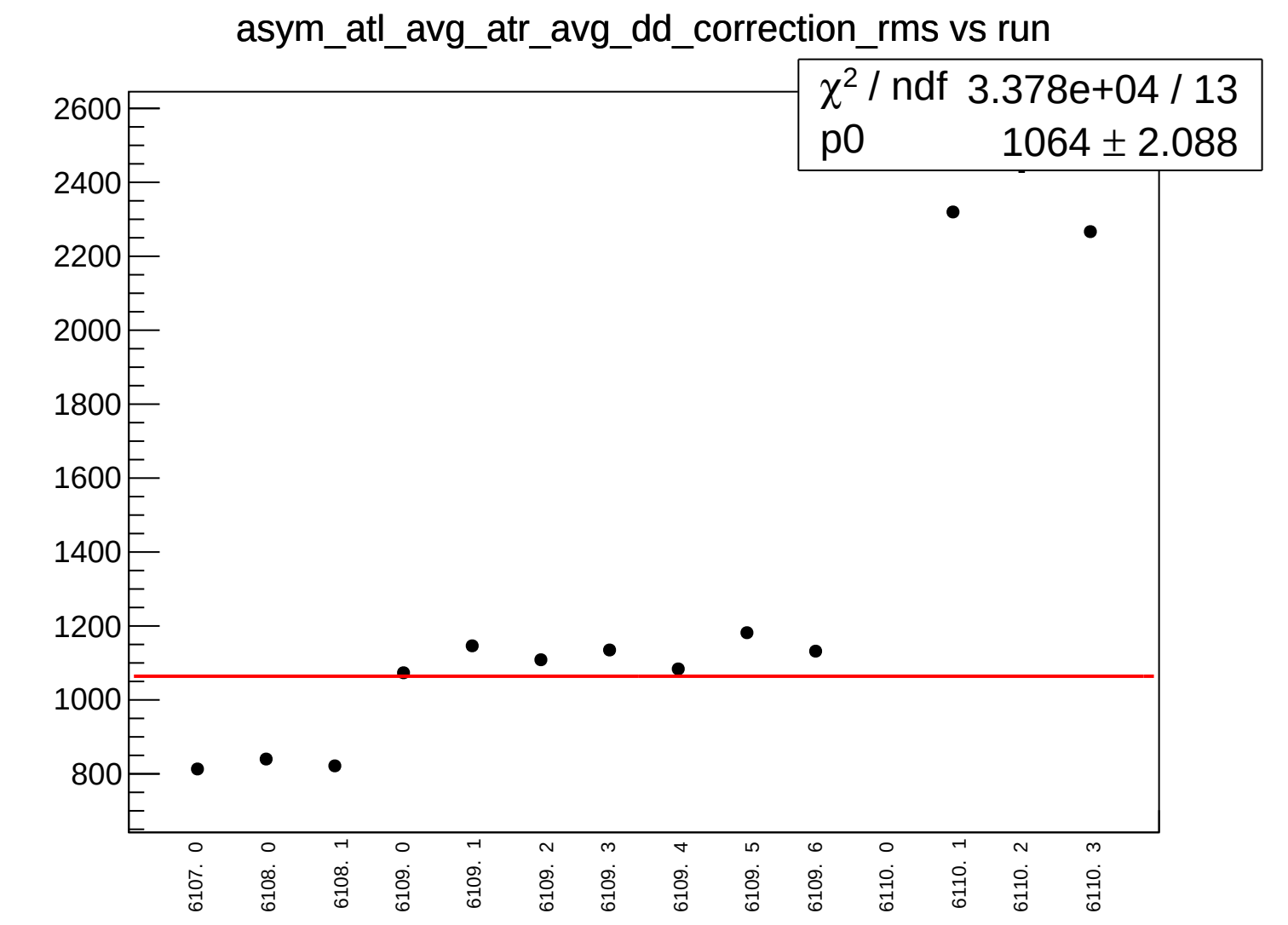

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 486.3 / 13
p0 5049 ± 9.329
5600
5400
5200
5000
4800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

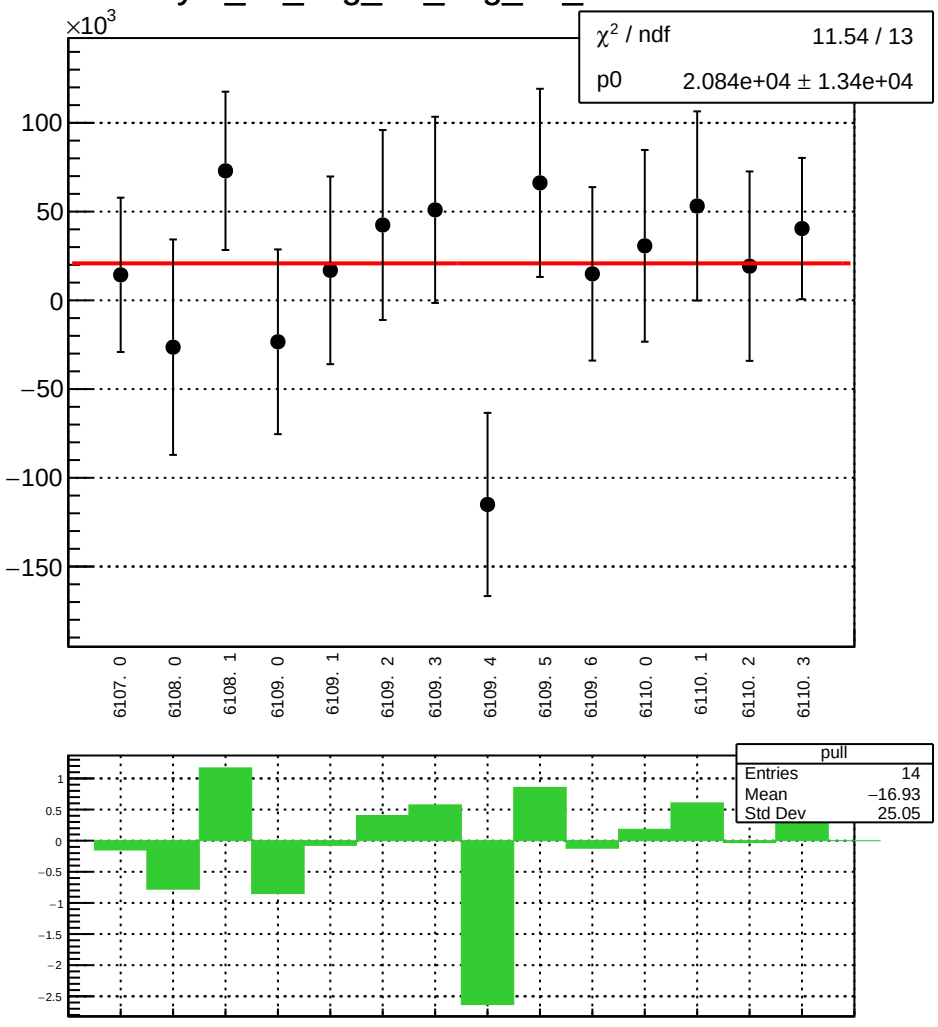

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 13.99 / 13
p0 2.783e+04 ± 1.33e+04
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.5
Std Dev 18.97
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

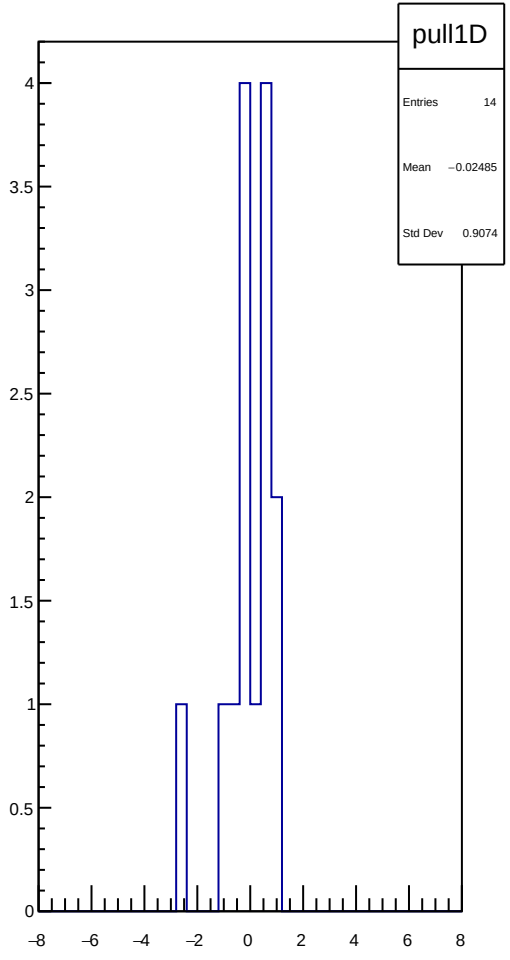

pull1D
Entries 14
Mean −0.05942
Std Dev 0.9979
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

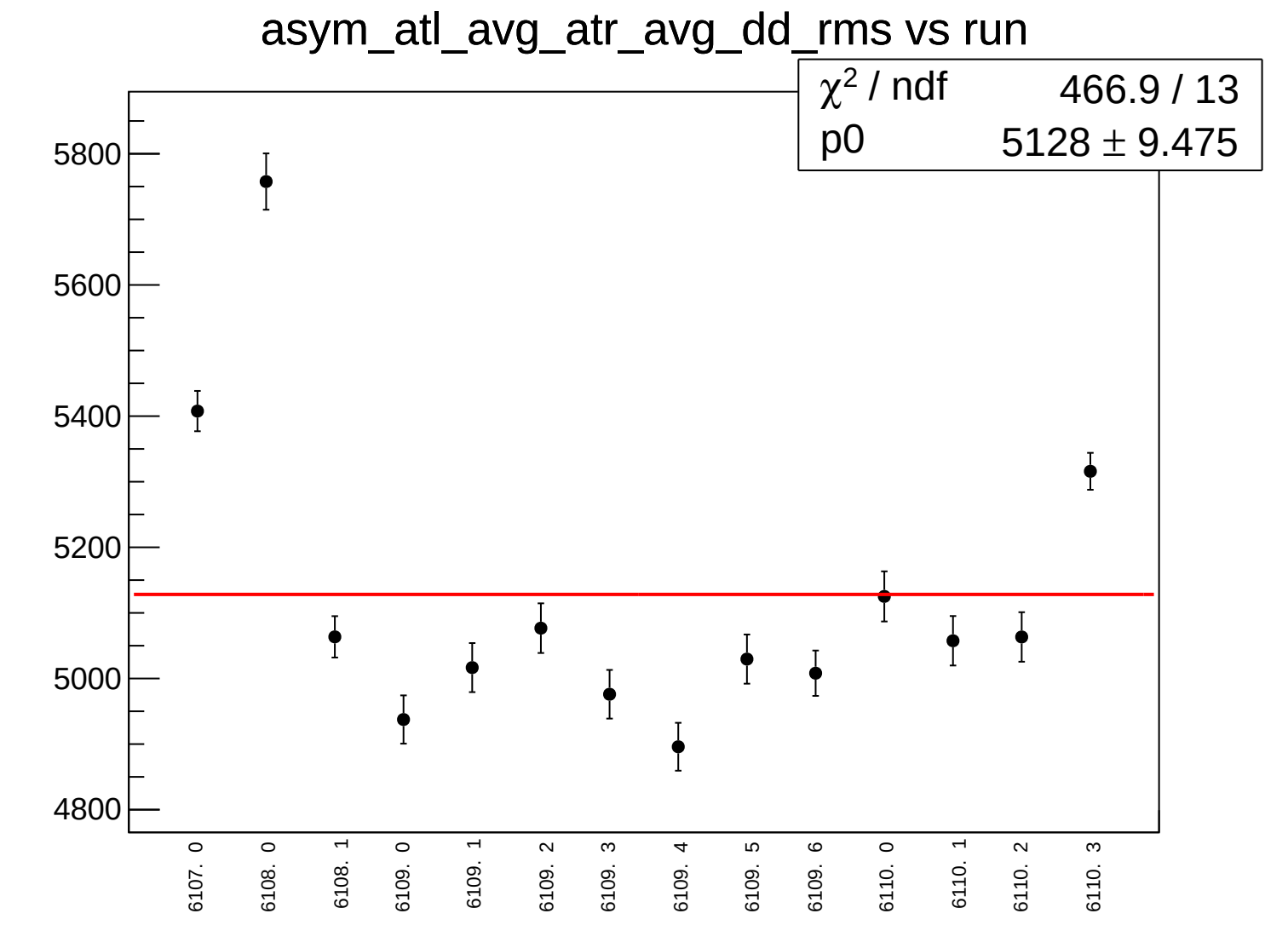

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2356 / 13
p0 5074 ± 9.405
5800
5600
5400
5200
5000
4800
4600
4400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

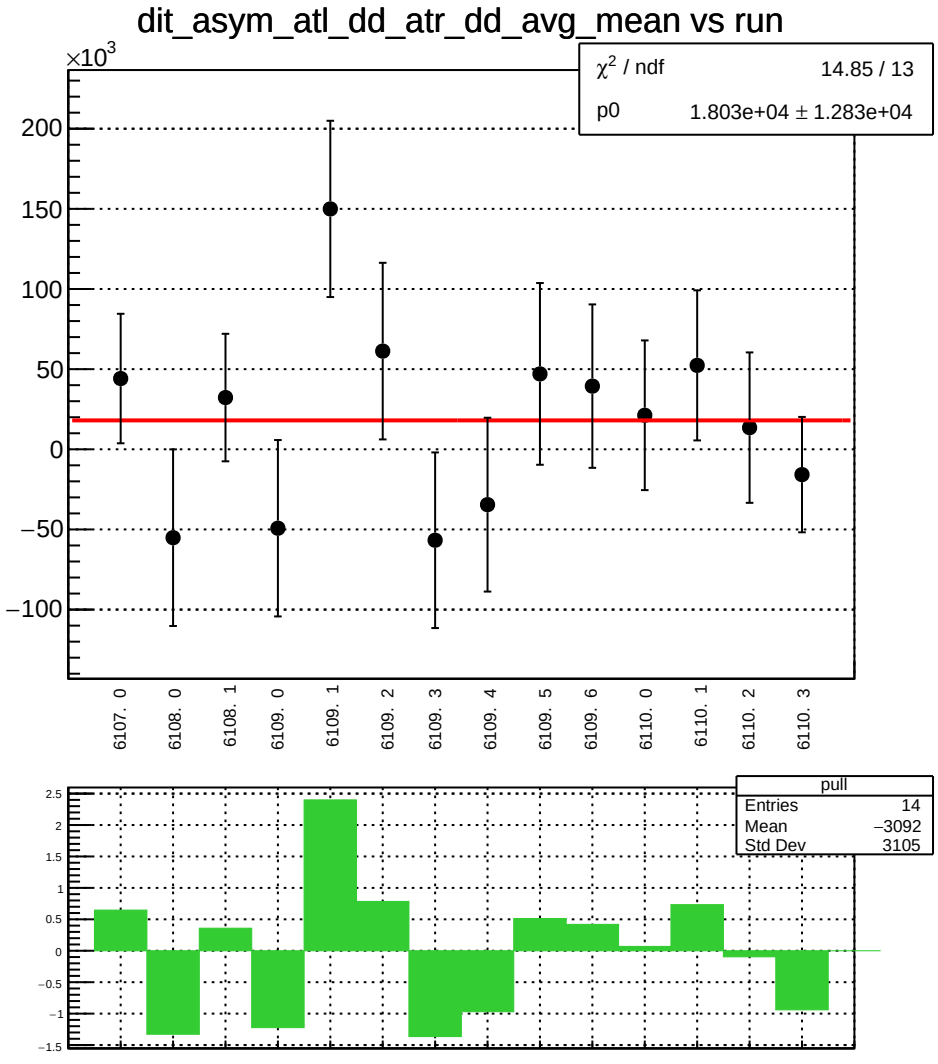

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 20.56 / 13
p0 556.2 ± 2953
40000
20000
0
−20000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 18.5
Std Dev 11.14
2
1
0
−1
−2
pull1D
Entries 14
Mean 0.1265
Std Dev 1.205
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

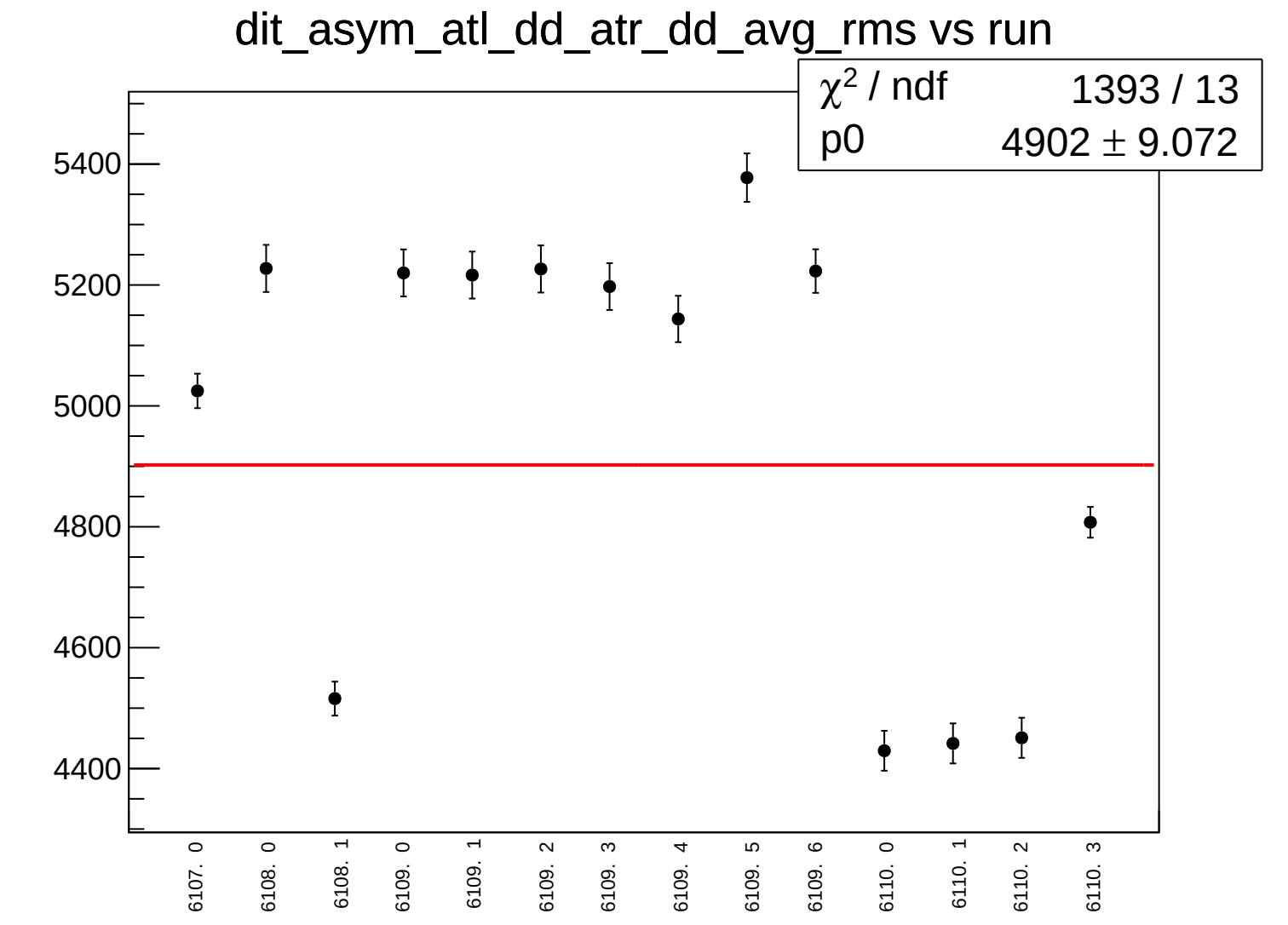

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3.378e+04 / 13
p0 1064 ± 2.088
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

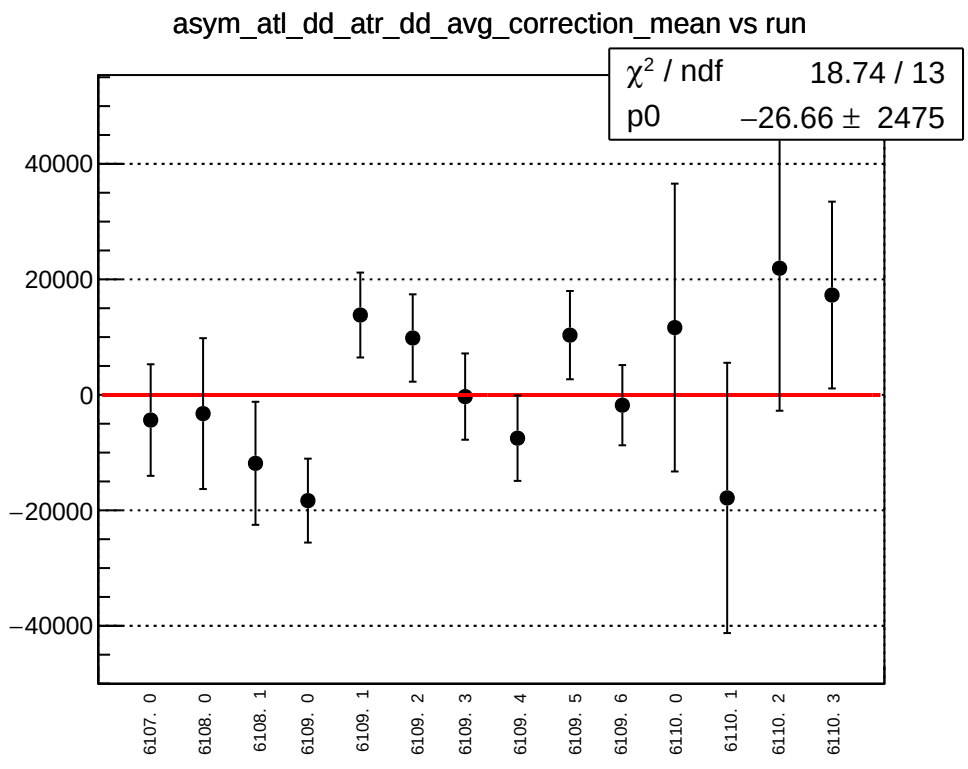

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 11.54 / 13
p0 2.084e+04 ± 1.34e+04
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −16.93
Std Dev 25.05
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

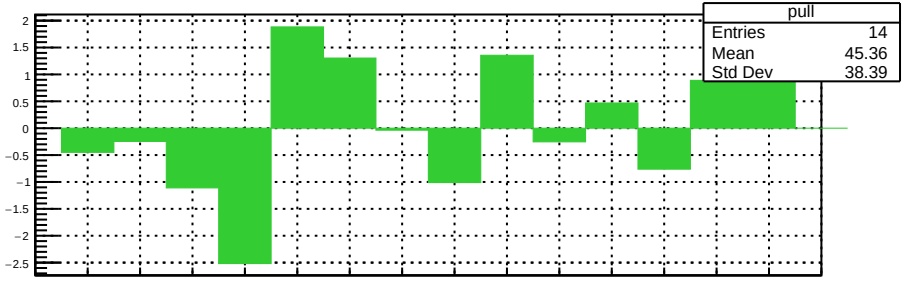

pull1D
Entries 14
Mean −0.02485
Std Dev 0.9074
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

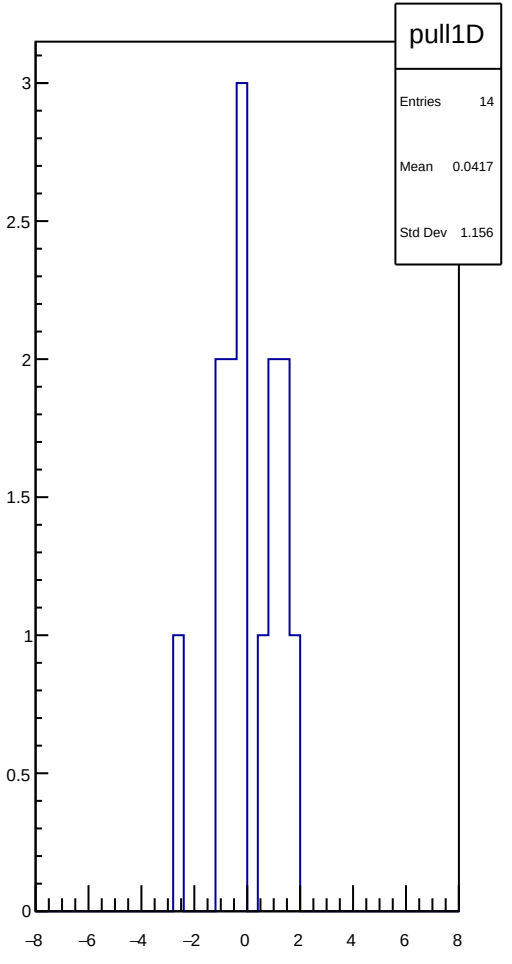

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 466.9 / 13
p0 5128 ± 9.475
5800
5600
5400
5200
5000
4800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

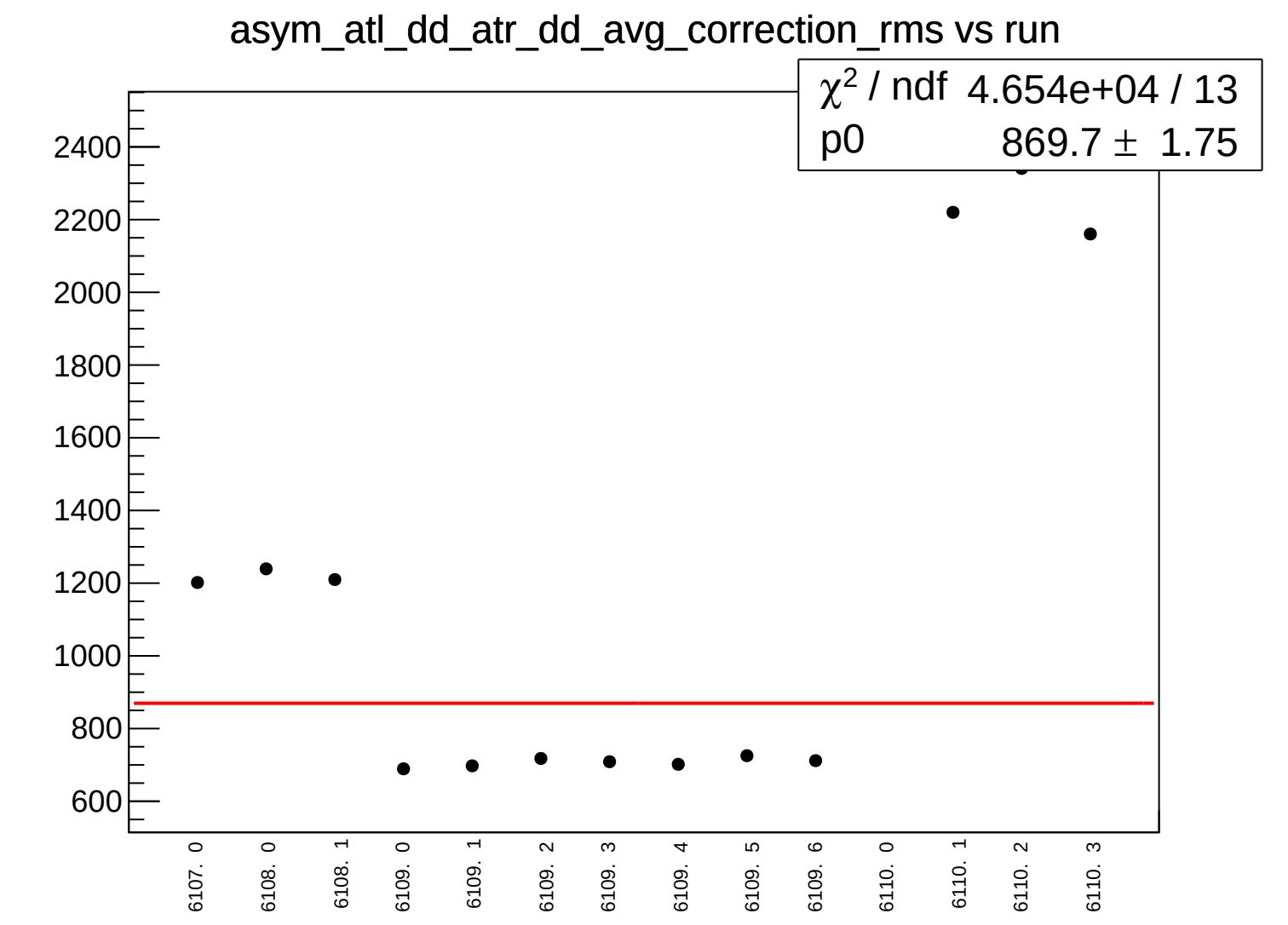

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 14.85 / 13
p0 1.803e+04 ± 1.283e+04
200
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −3092
Std Dev 3105
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 5.74e−05
Std Dev 1.03
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

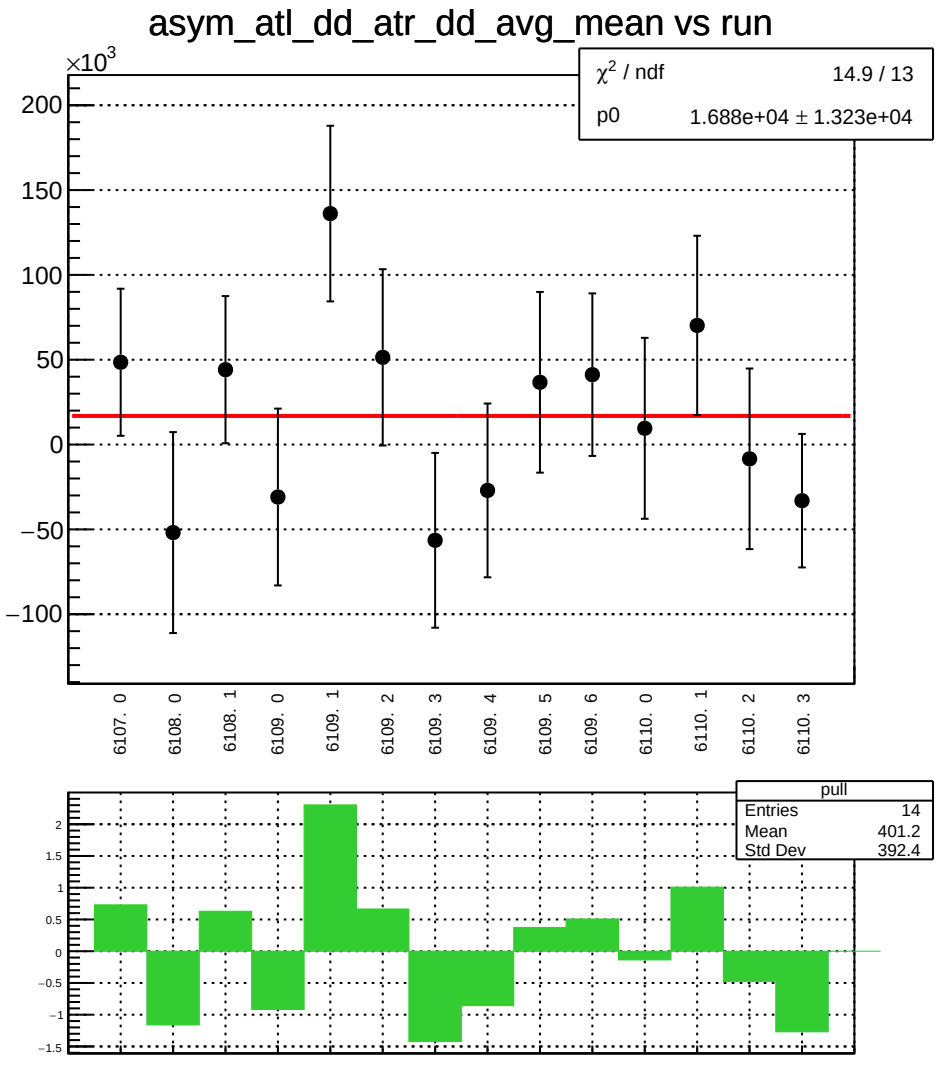

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1393 / 13
p0 4902 ± 9.072
5400
5200
5000
4800
4600
4400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

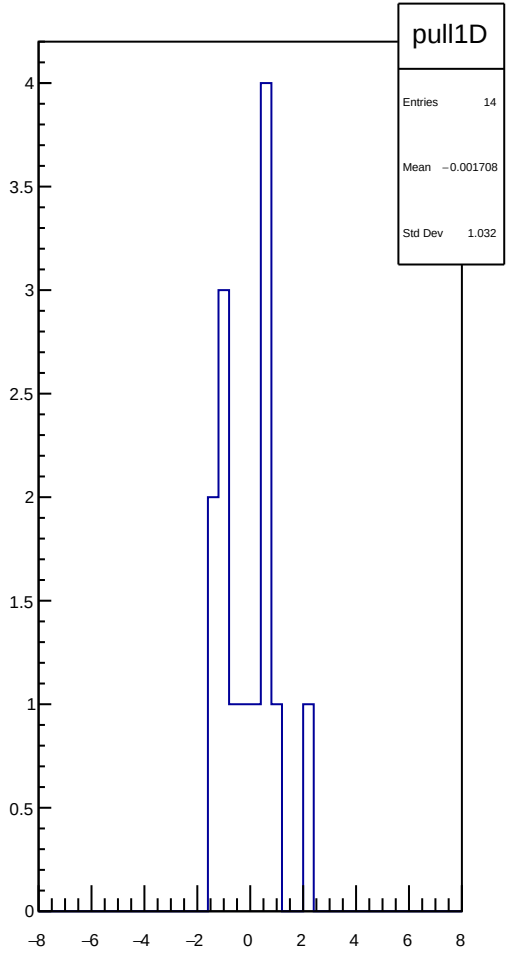

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 18.74 / 13
p0 −26.66 ± 2475
40000
20000
0
−20000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

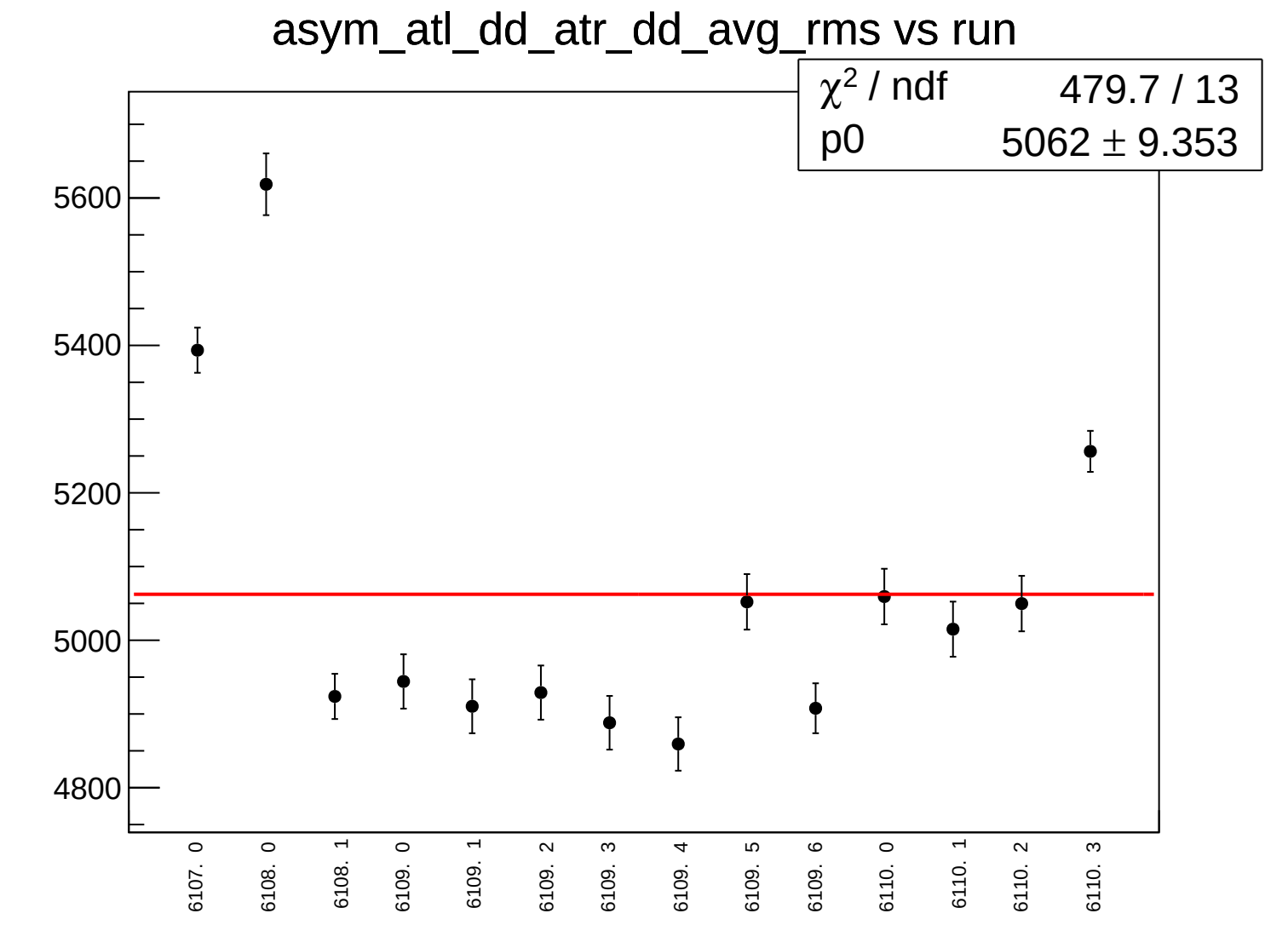

pull
Entries 14
Mean 45.36
Std Dev 38.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

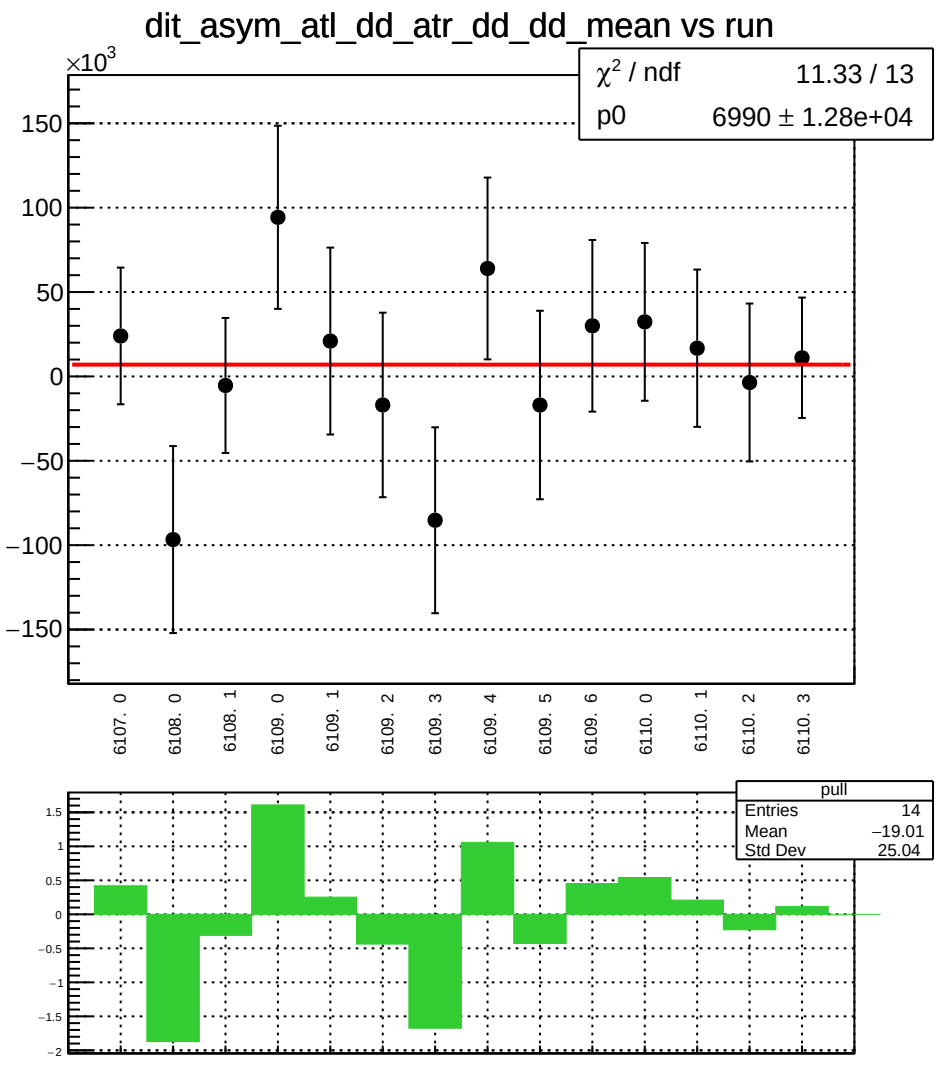

pull1D
Entries 14
Mean 0.0417
Std Dev 1.156
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

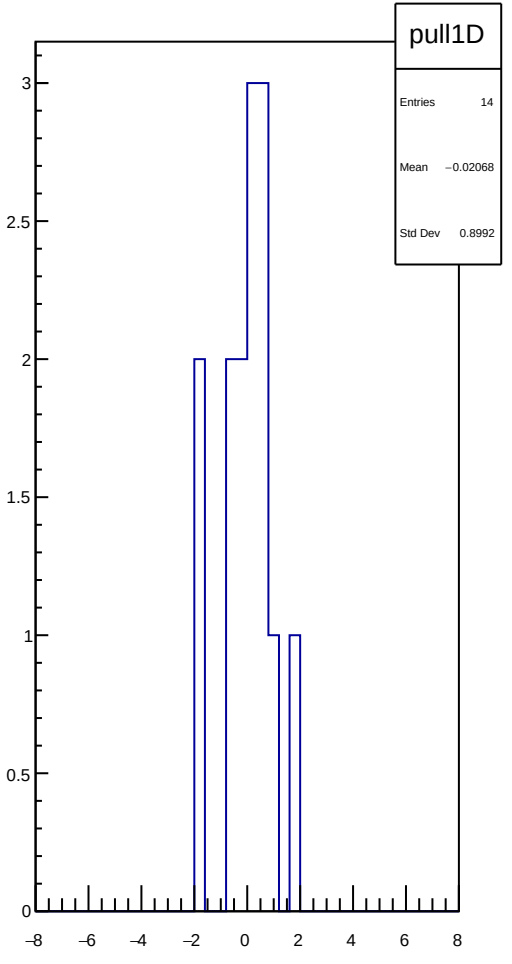

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 4.654e+04 / 13
p0 869.7 ± 1.75
2400
2200
2000
1800
1600
1400
1200
1000
800
600
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

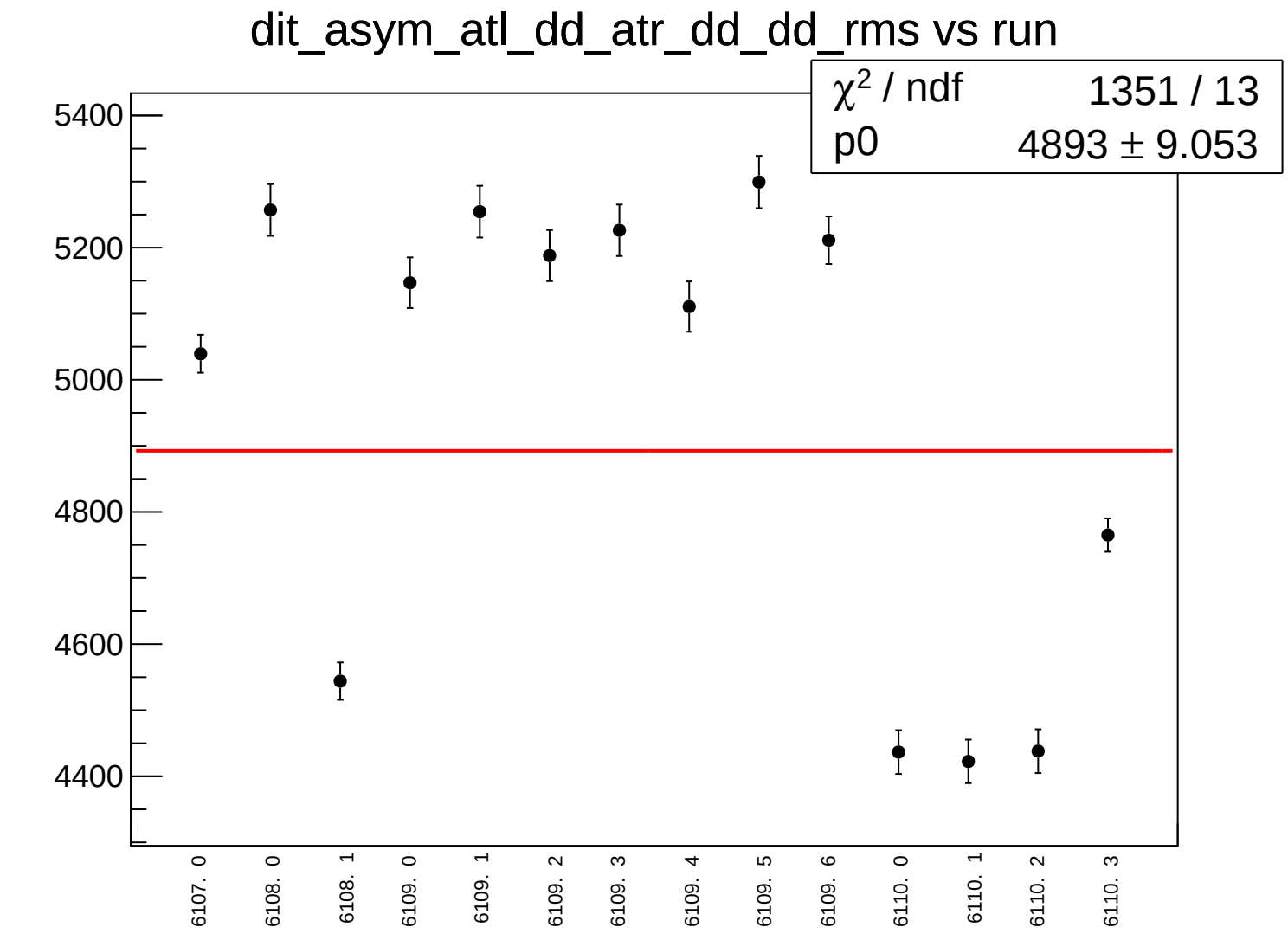

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 14.9 / 13
p0 1.688e+04 ± 1.323e+04
200
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 401.2
Std Dev 392.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

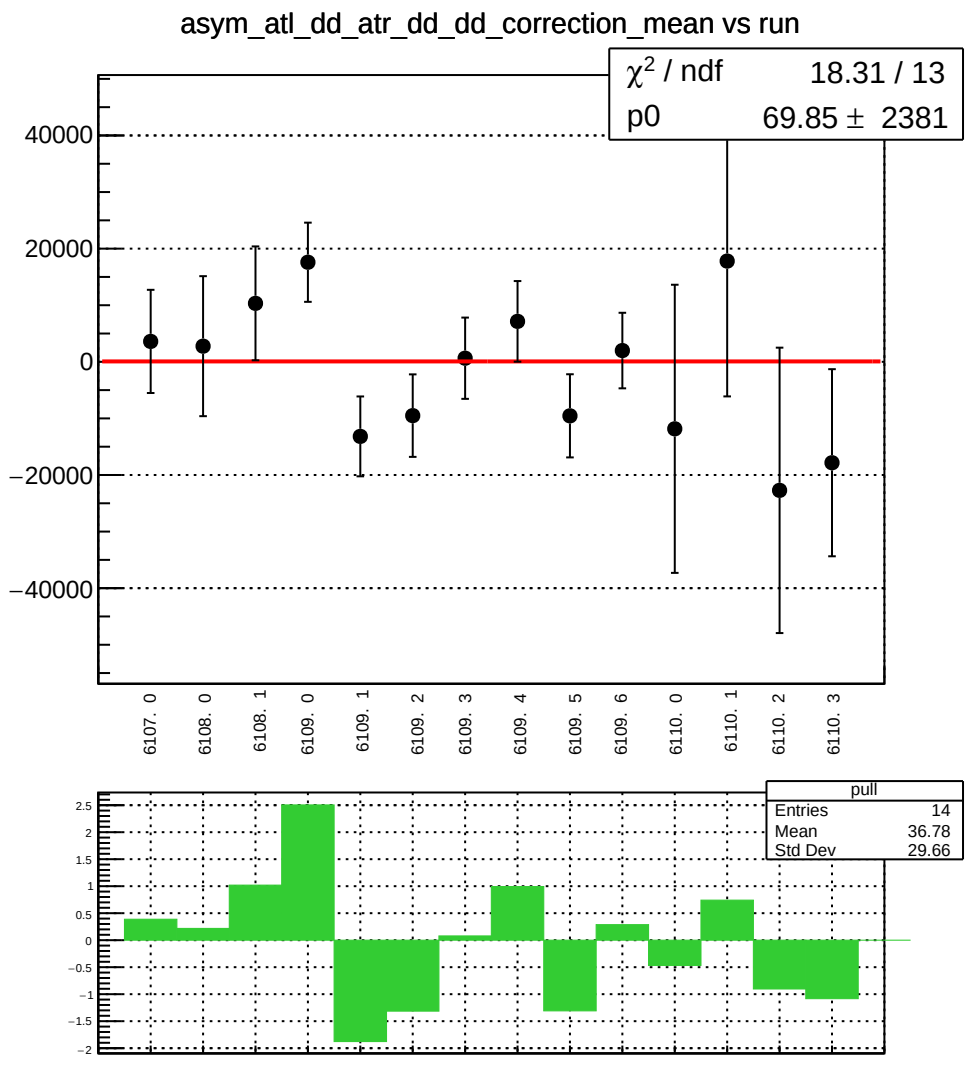

pull1D
Entries 14
Mean −0.001708
Std Dev 1.032
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

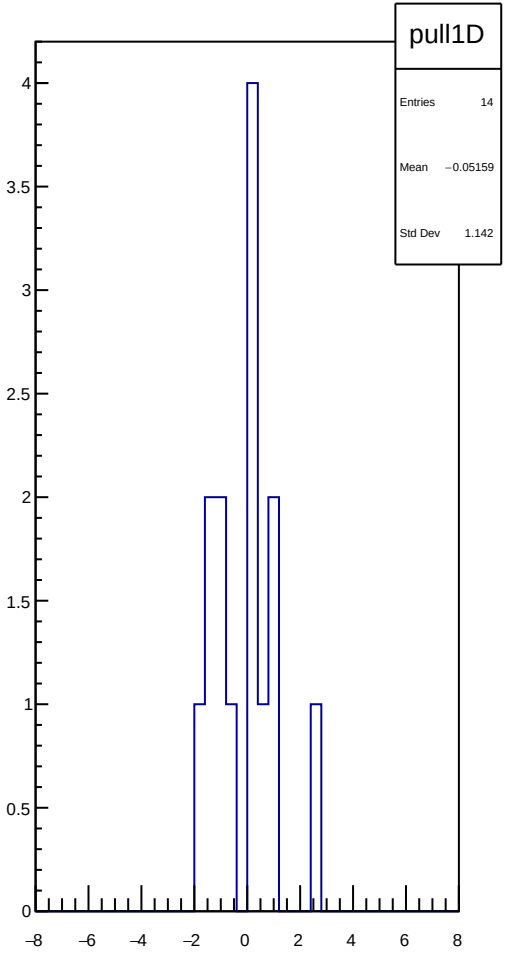

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 479.7 / 13
p0 5062 ± 9.353
5600
5400
5200
5000
4800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

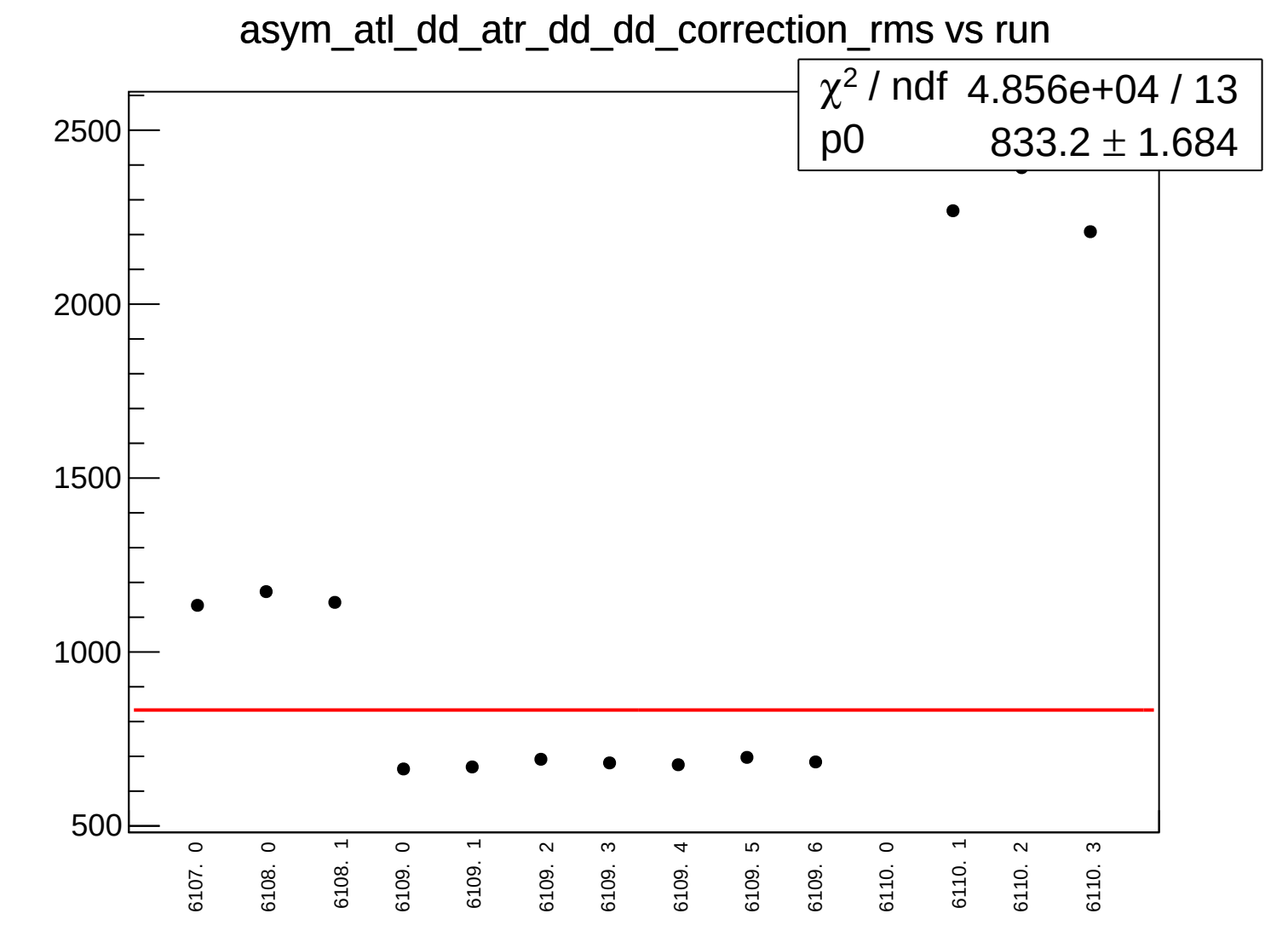

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 11.33 / 13
p0 6990 ± 1.28e+04
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −19.01
Std Dev 25.04
1.5
1
0.5
0
−0.5
−1
−1.5
−2

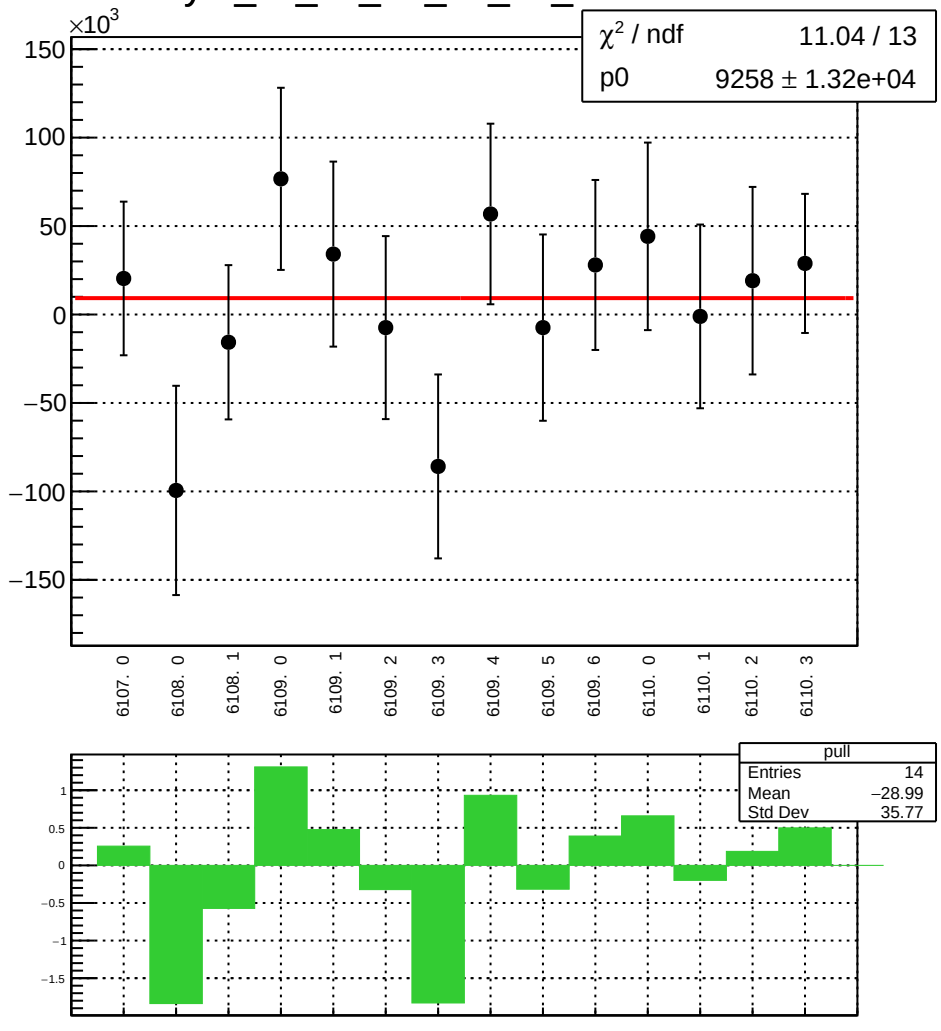

pull1D
Entries 14
Mean −0.02068
Std Dev 0.8992
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

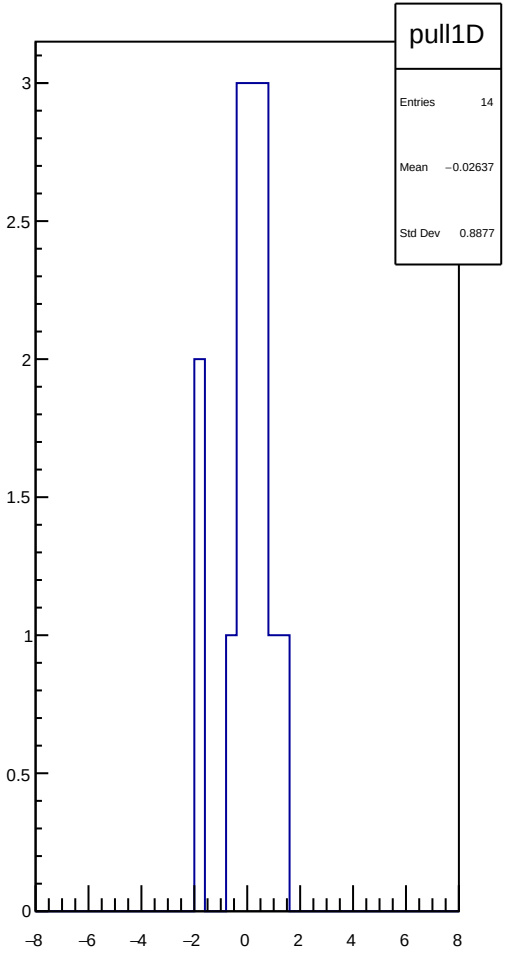

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1351 / 13
p0 4893 ± 9.053
5400
5200
5000
4800
4600
4400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

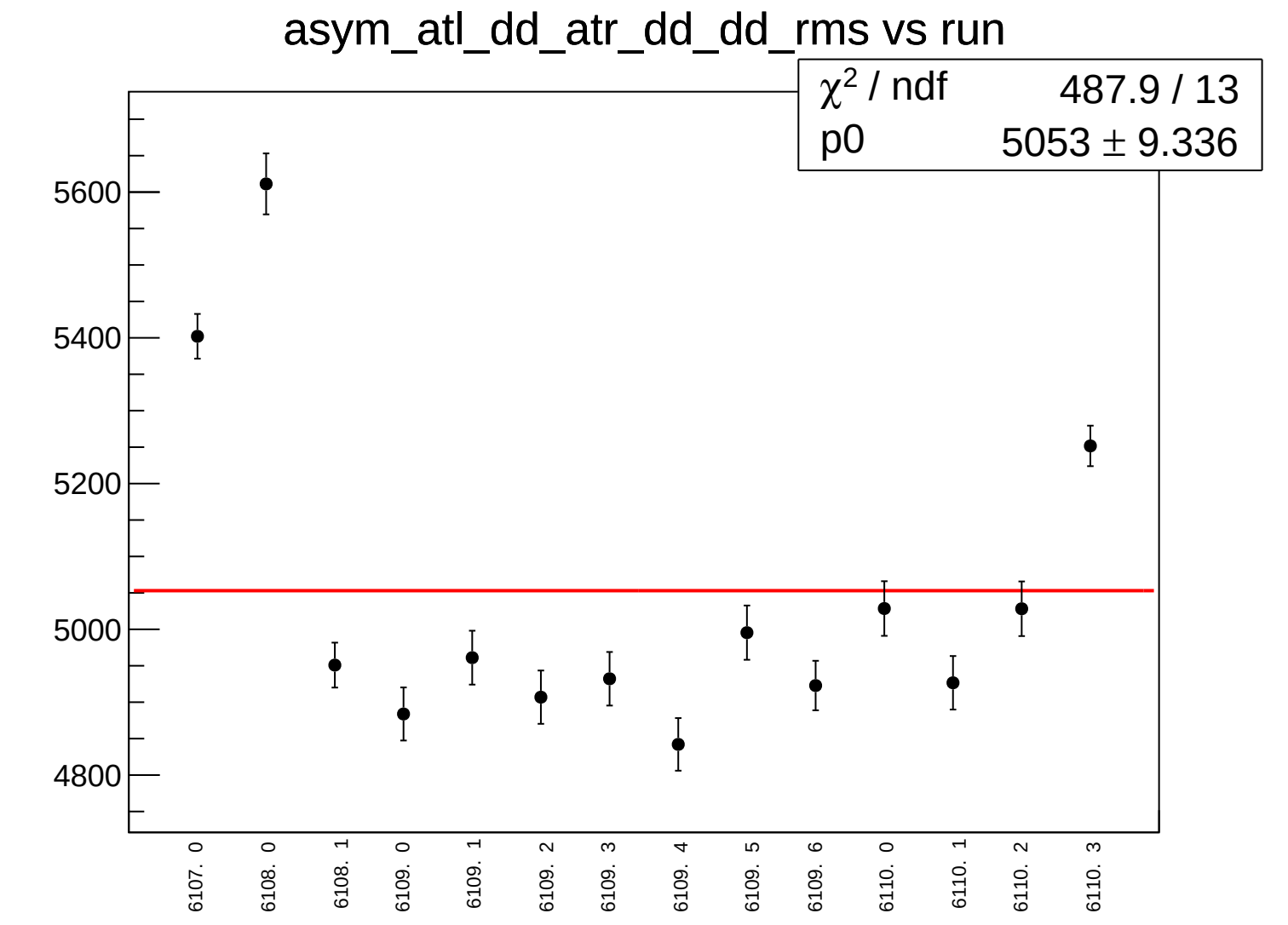

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 18.31 / 13
p0 69.85 ± 2381
40000
20000
0
−20000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 36.78
Std Dev 29.66
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

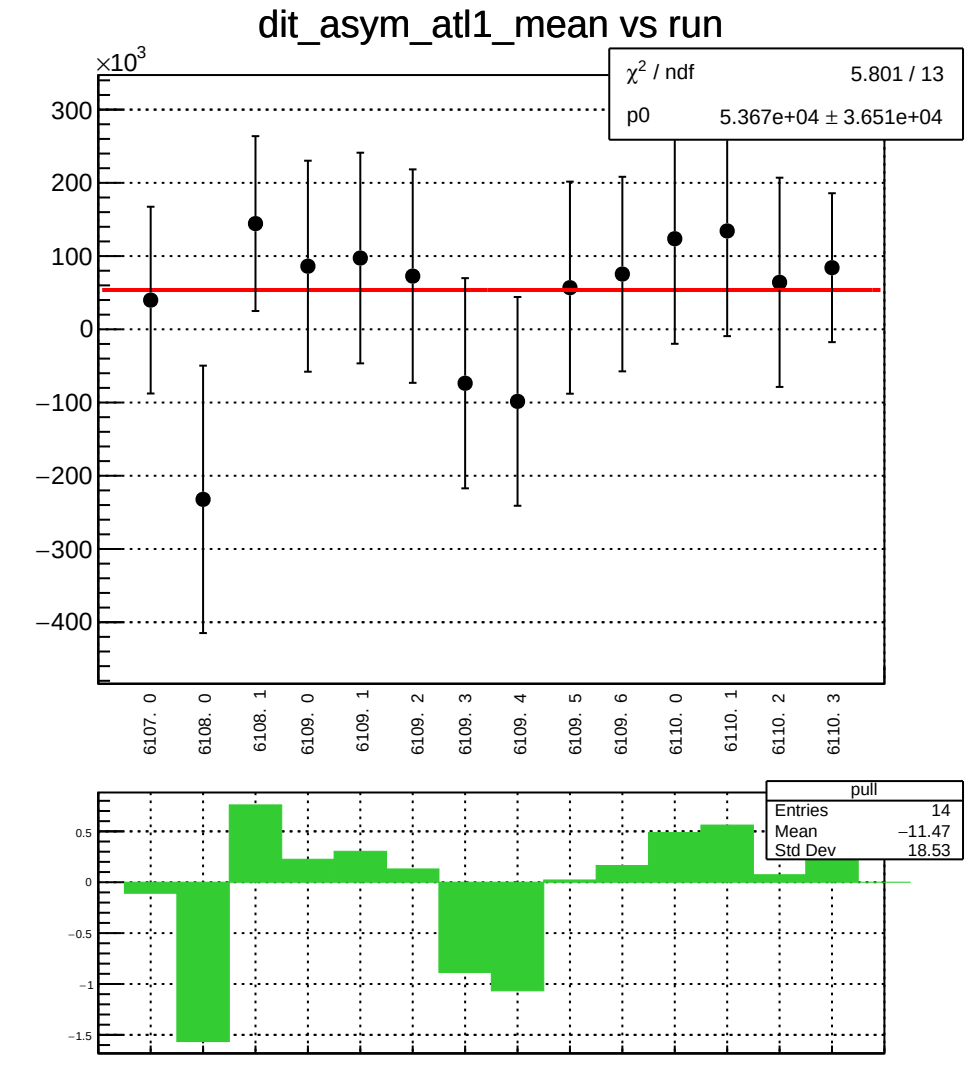

pull1D
Entries 14
Mean −0.05159
Std Dev 1.142
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

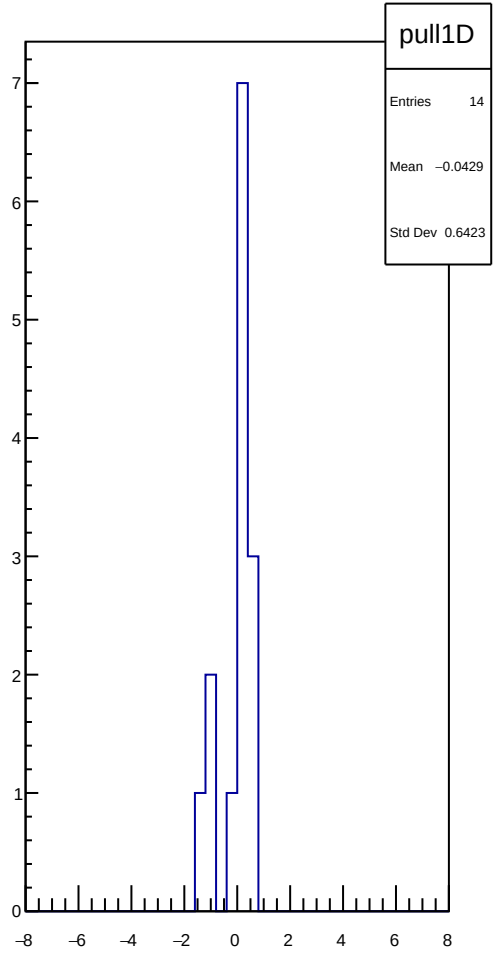

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4.856e+04 / 13
p0 833.2 ± 1.684
2500
2000
1500
1000
500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

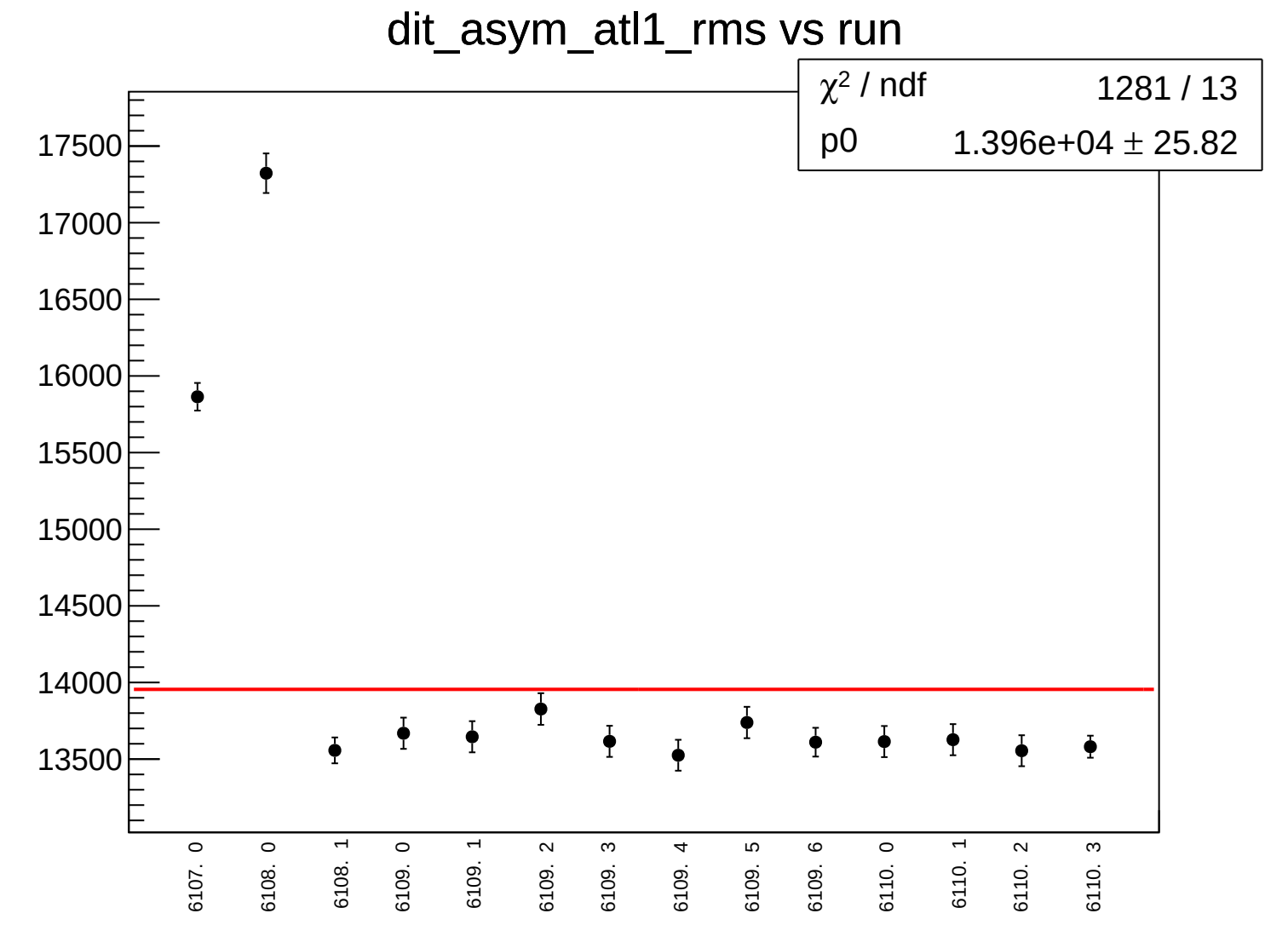

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 11.04 / 13
p0 9258 ± 1.32e+04
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −28.99
Std Dev 35.77
1
0.5
0
−0.5
−1
−1.5

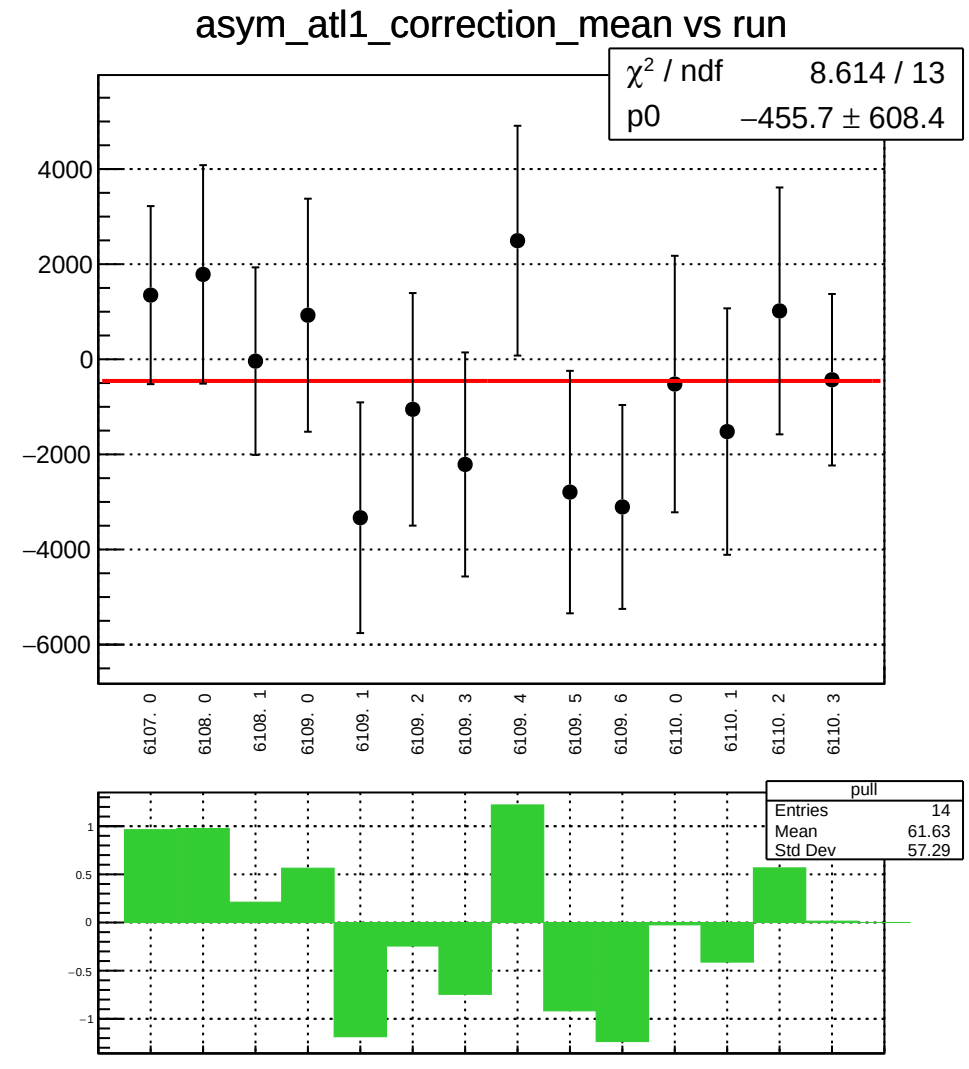

pull1D
Entries 14
Mean −0.02637
Std Dev 0.8877
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

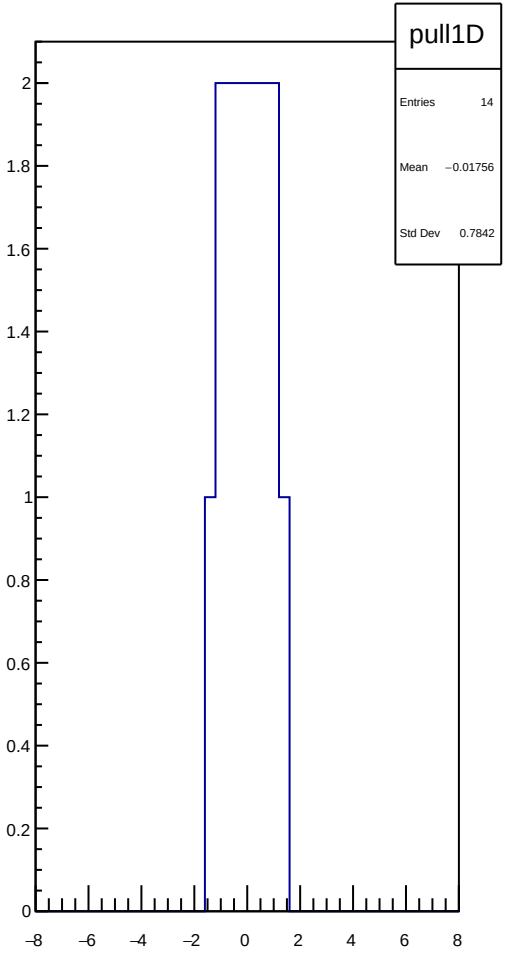

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 487.9 / 13
p0 5053 ± 9.336
5600
5400
5200
5000
4800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

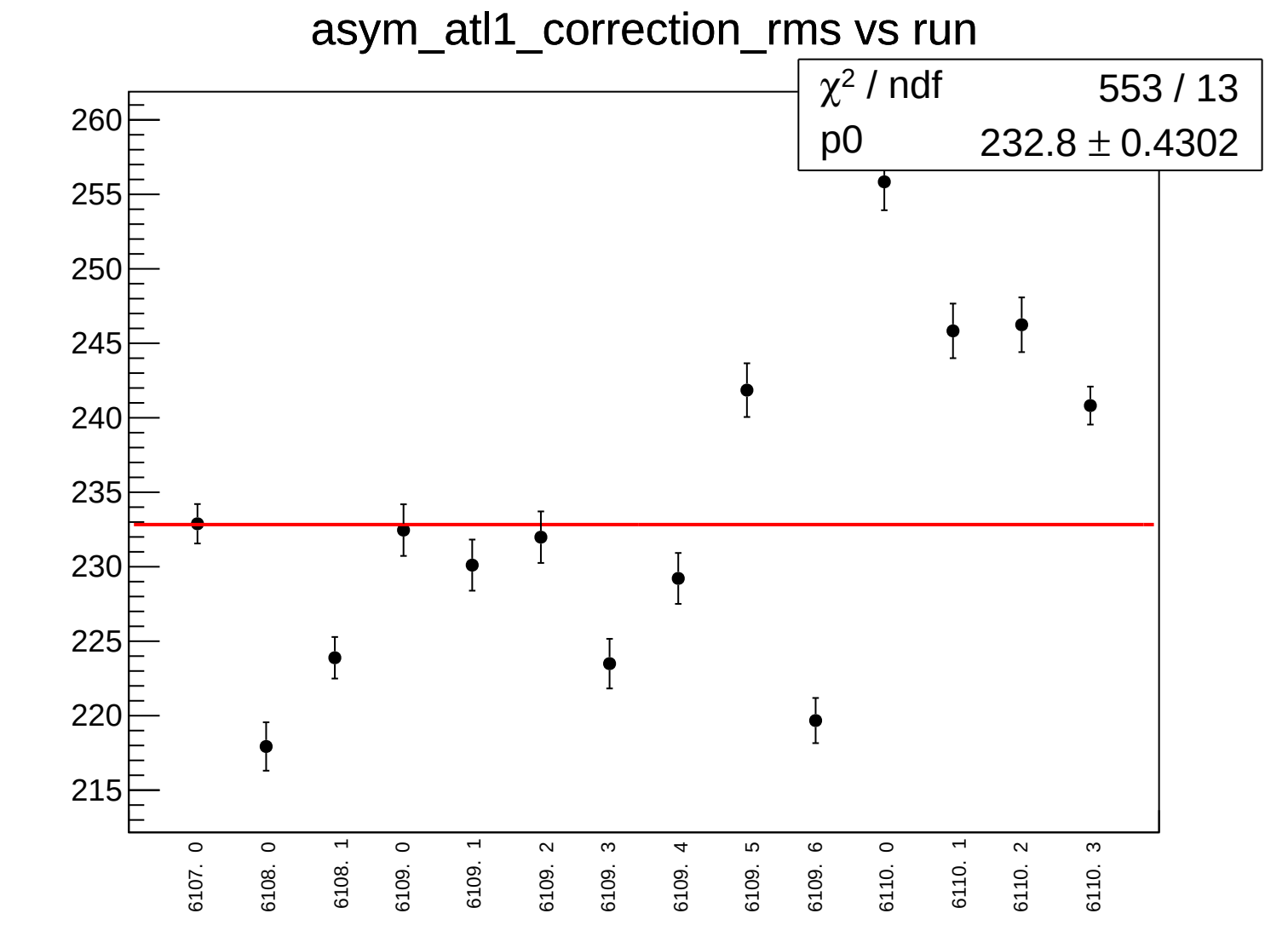

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 5.801 / 13
p0 5.367e+04 ± 3.651e+04
300
200
100
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.47
Std Dev 18.53
0.5
0
−0.5
−1
−1.5

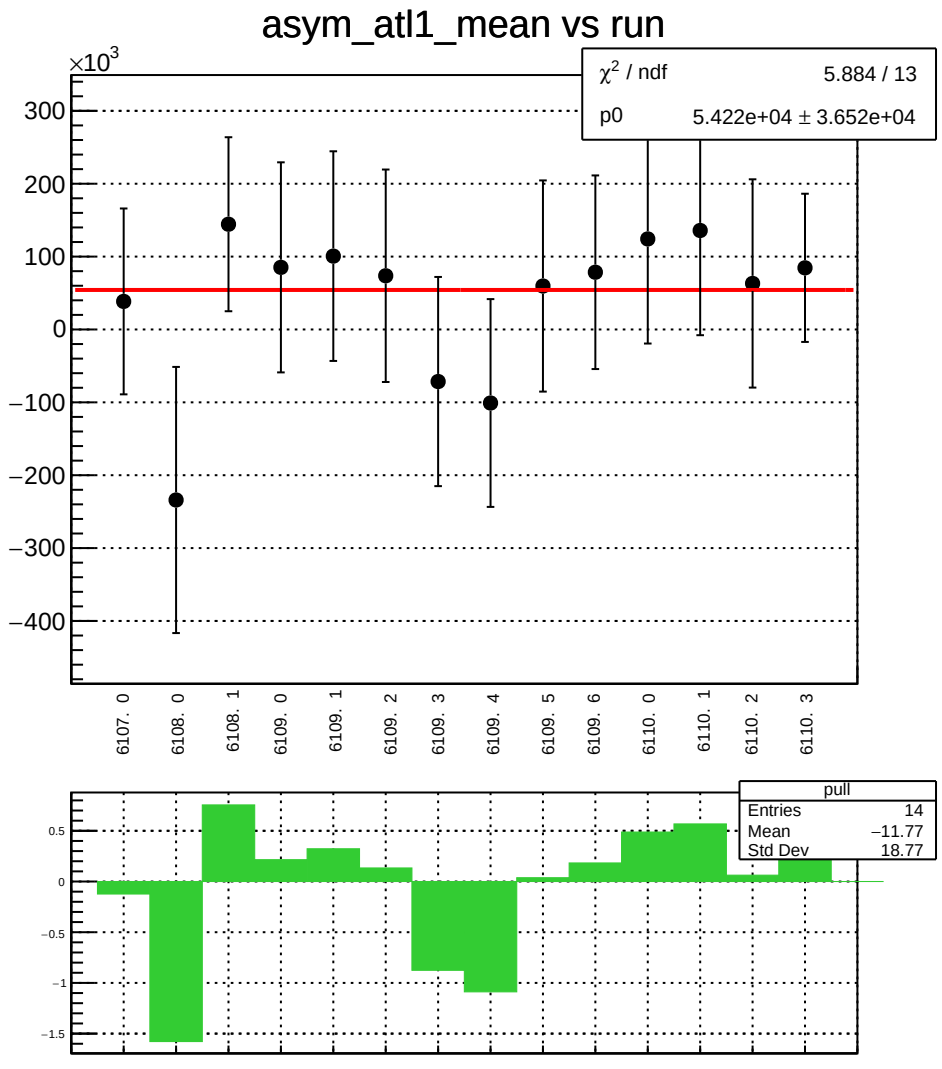

pull1D
Entries 14
Mean −0.0429
Std Dev 0.6423
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

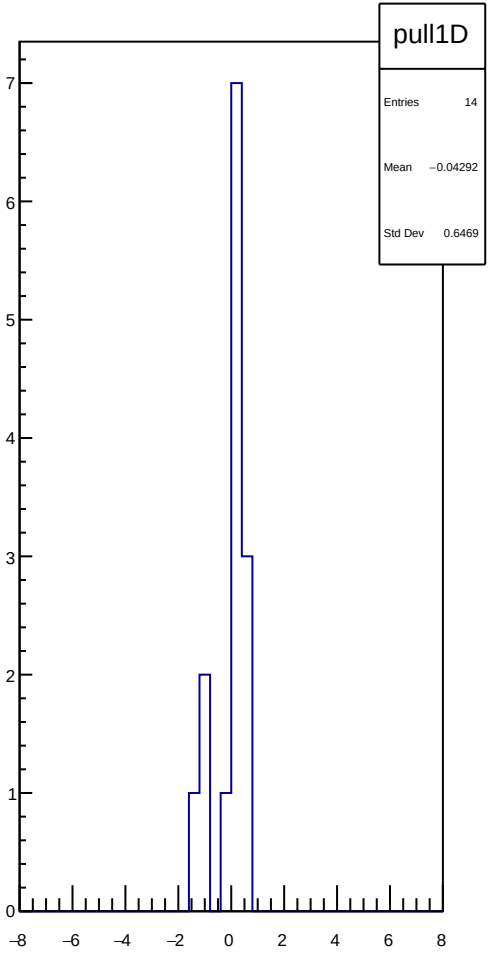

dit_asym_atl1_rms vs run
χ² / ndf 1281 / 13
p0 1.396e+04 ± 25.82
17500
17000
16500
16000
15500
15000
14500
14000
13500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

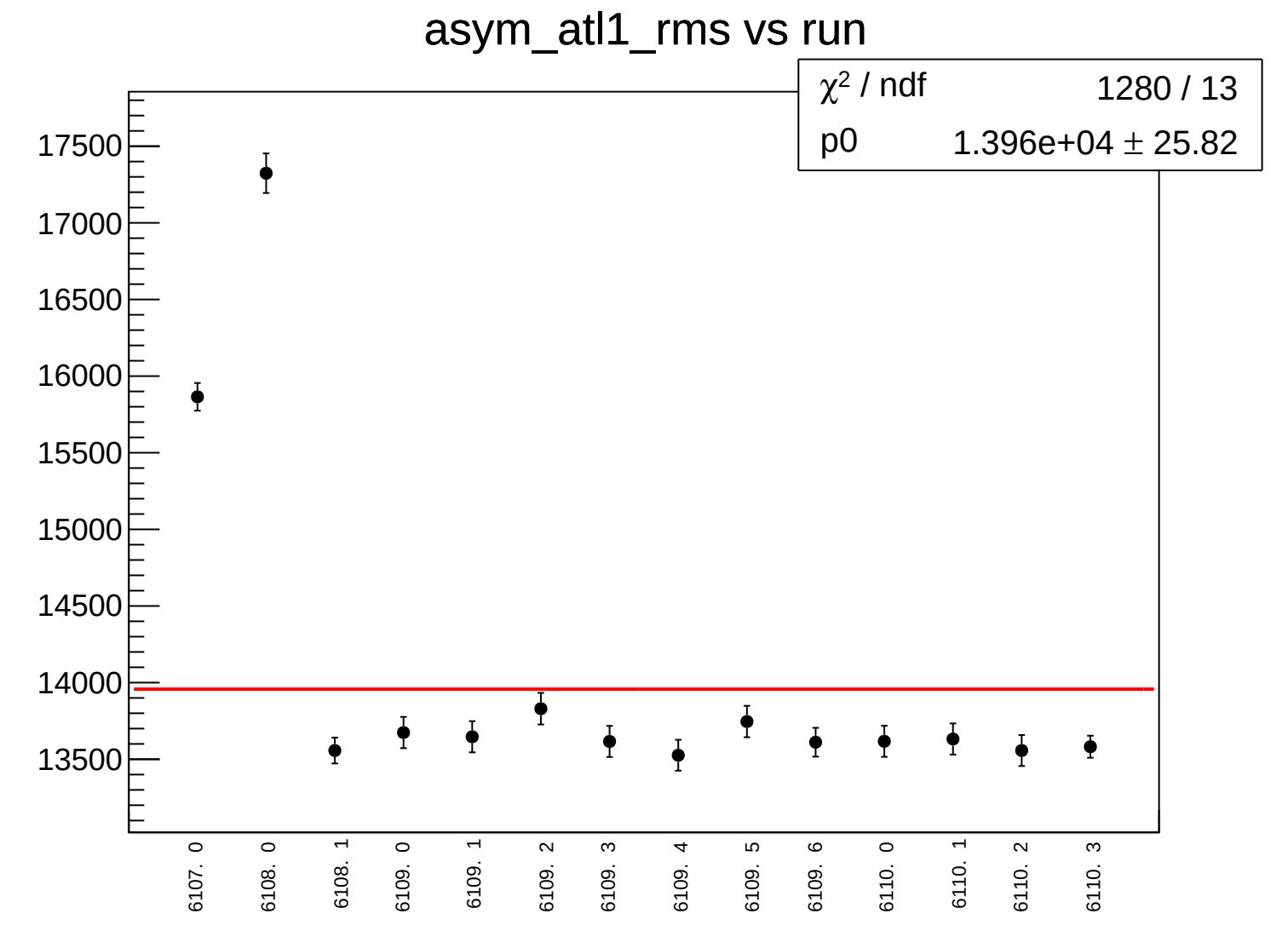

asym_atl1_correction_mean vs run
χ² / ndf 8.614 / 13
p0 −455.7 ± 608.4
4000
2000
0
−2000
−4000
−6000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 61.63
Std Dev 57.29
1
0.5
0
−0.5
−1

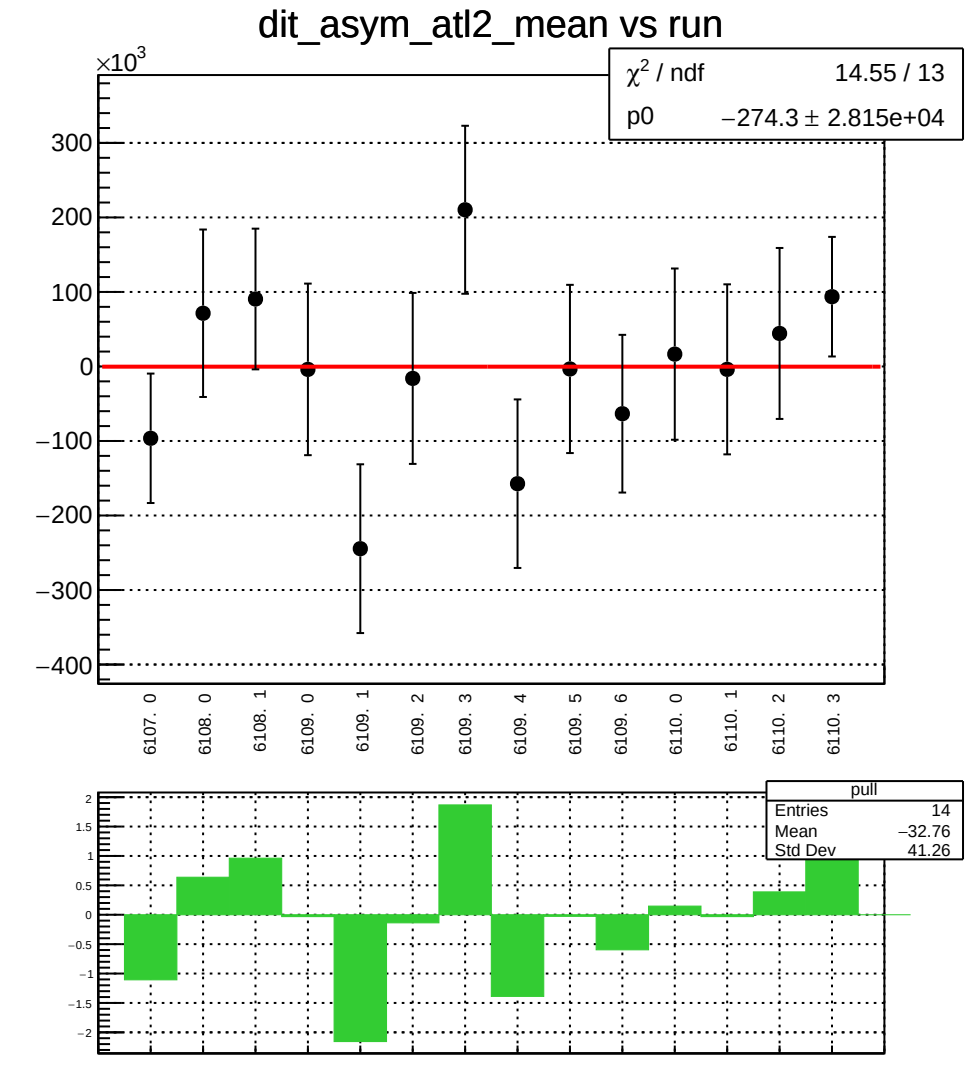

pull1D
Entries 14
Mean −0.01756
Std Dev 0.7842
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

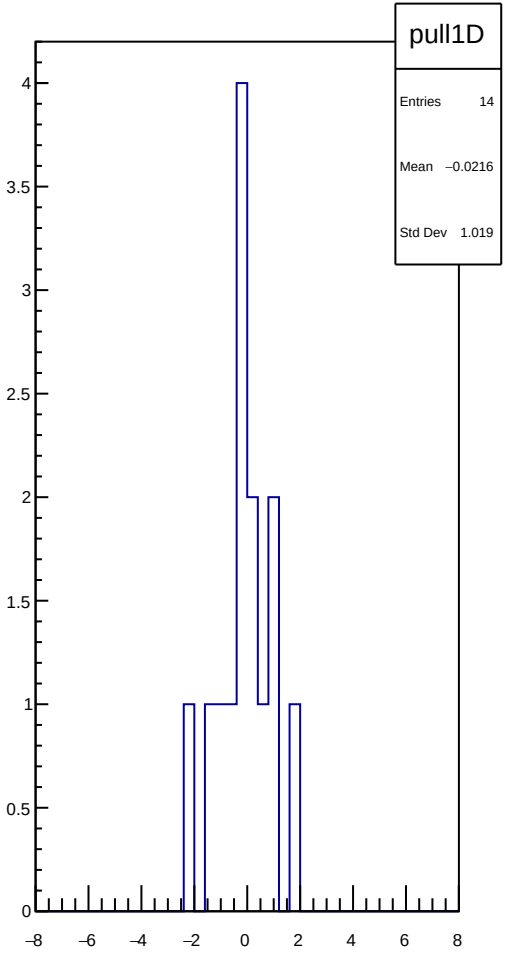

asym_atl1_correction_rms vs run
χ² / ndf 553 / 13
p0 232.8 ± 0.4302
260
255
250
245
240
235
230
225
220
215
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

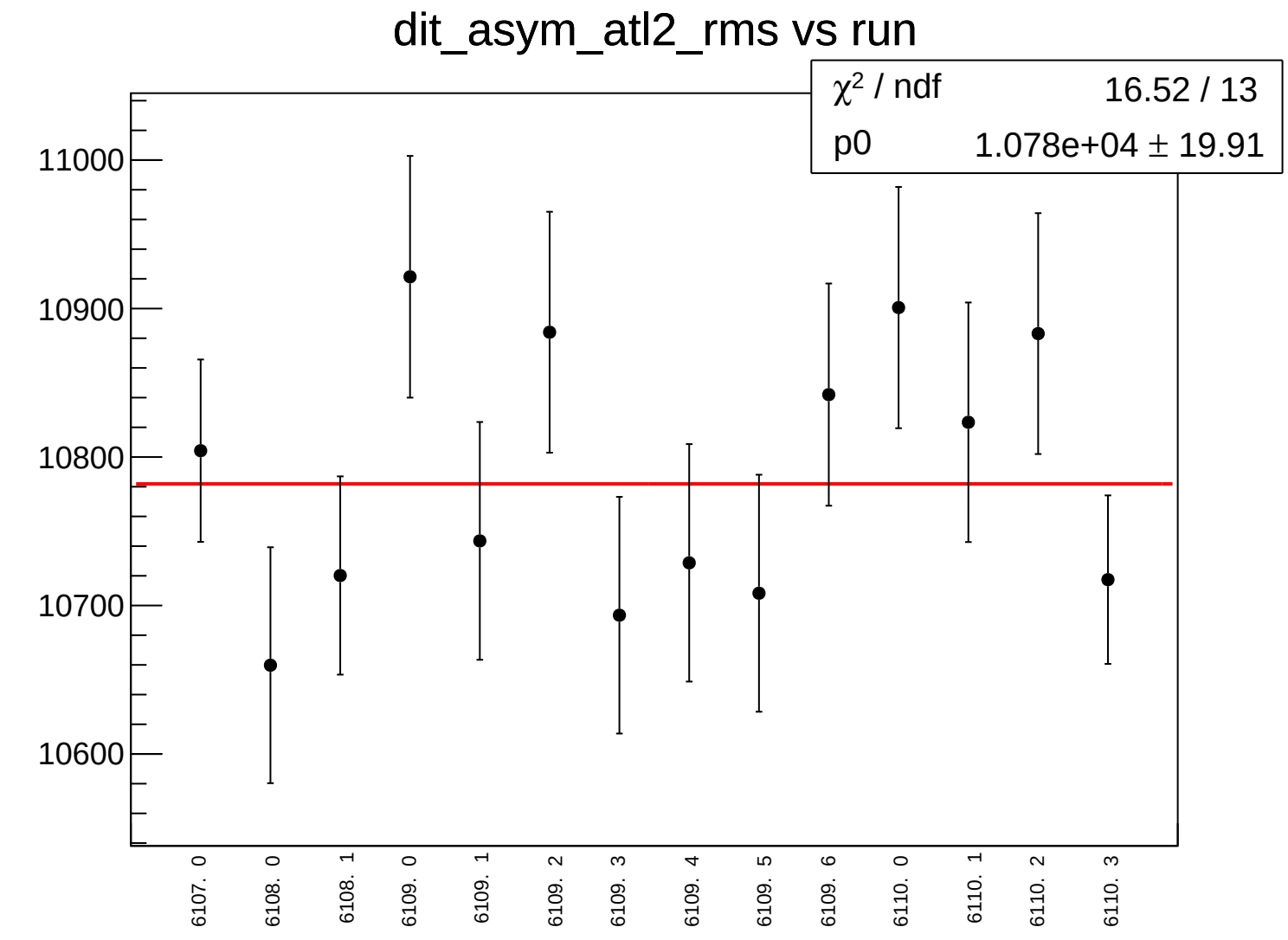

asym_atl1_mean vs run
×10^3
χ² / ndf 5.884 / 13
p0 5.422e+04 ± 3.652e+04
300
200
100
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.77
Std Dev 18.77
0.5
0
−0.5
−1
−1.5

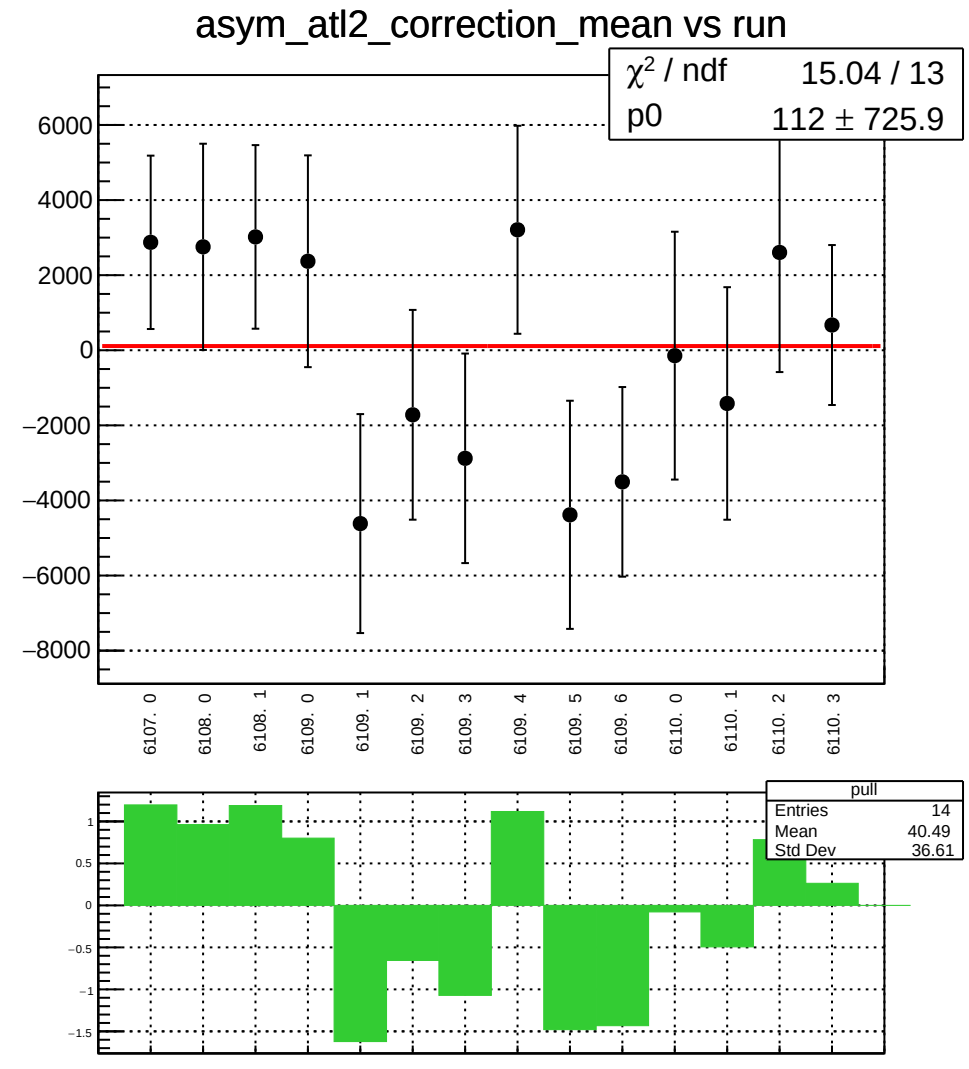

pull1D
Entries 14
Mean −0.04292
Std Dev 0.6469
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

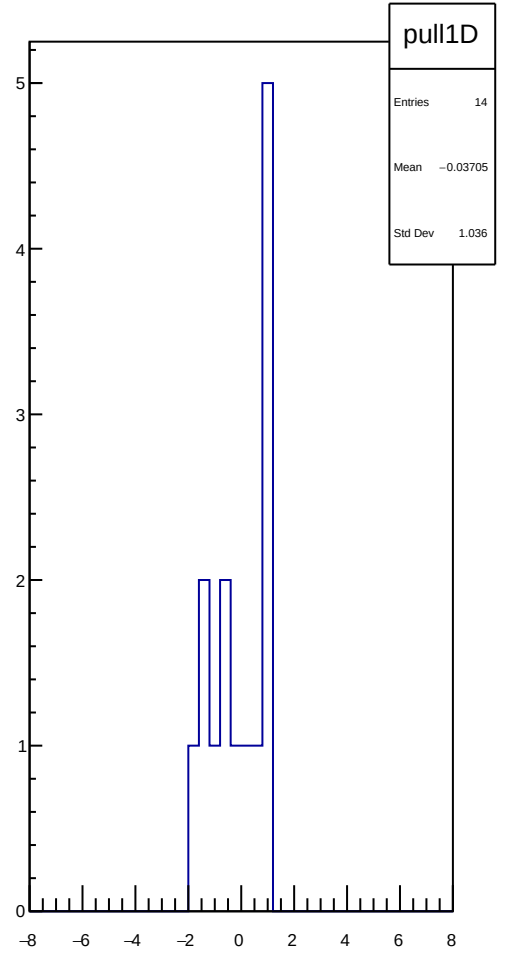

asym_atl1_rms vs run
χ² / ndf 1280 / 13
p0 1.396e+04 ± 25.82
17500
17000
16500
16000
15500
15000
14500
14000
13500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

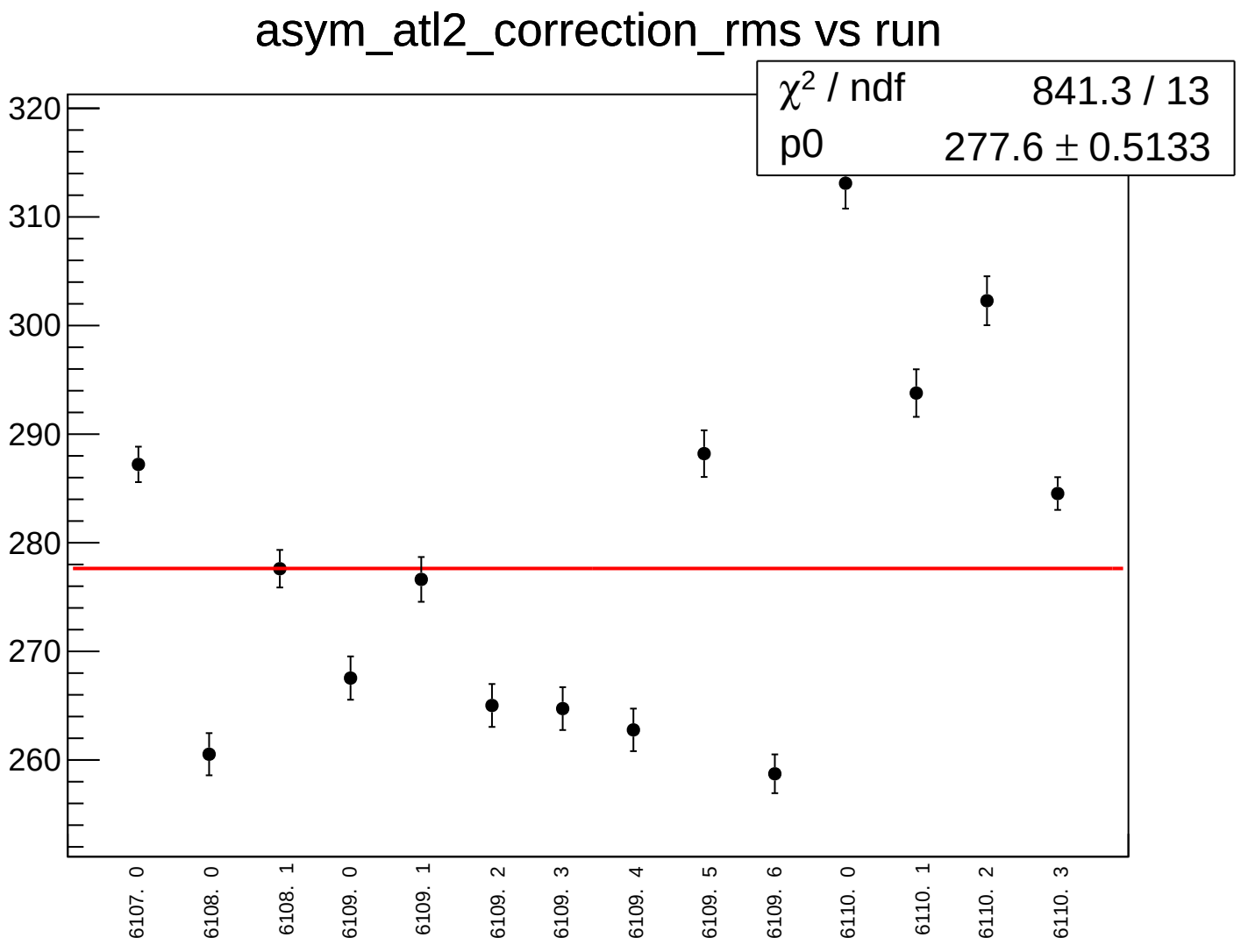

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 14.55 / 13
p0 −274.3 ± 2.815e+04
300
200
100
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −32.76
Std Dev 41.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

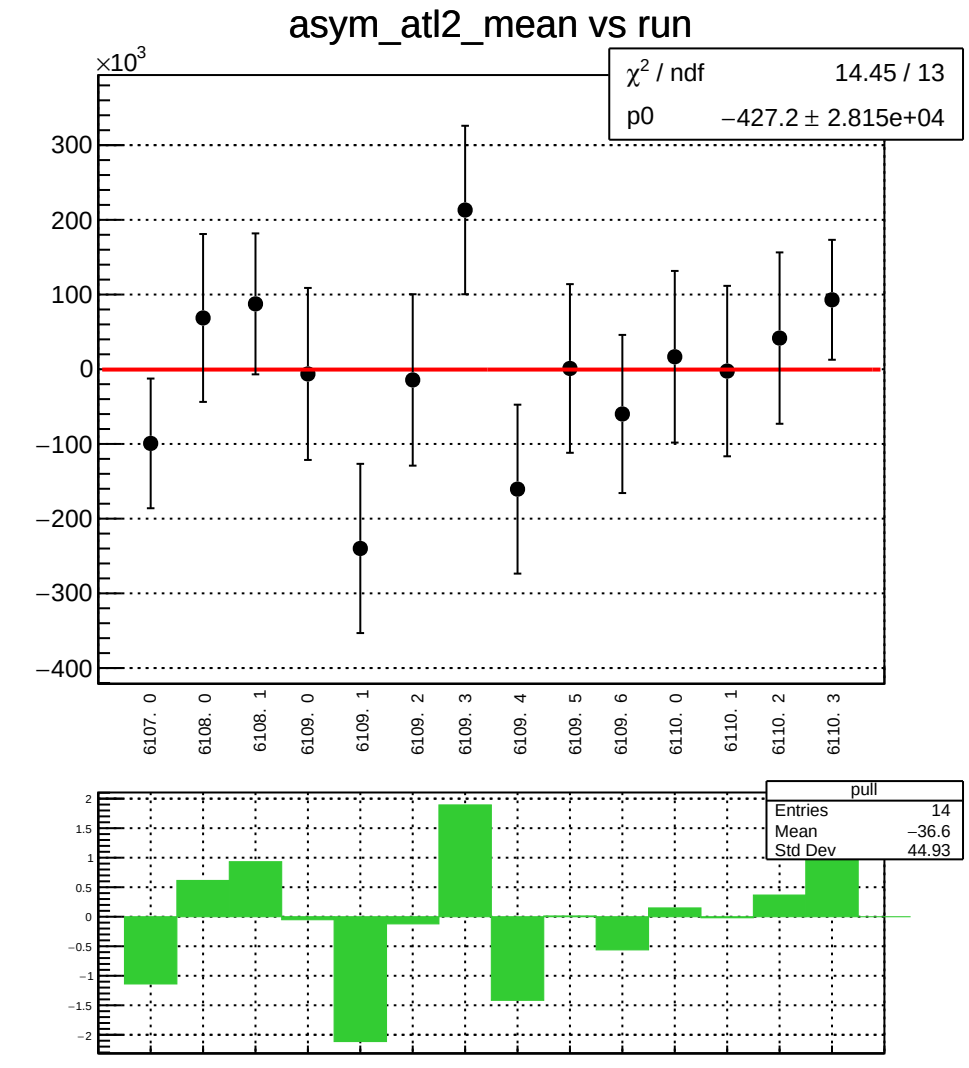

pull1D
Entries 14
Mean −0.0216
Std Dev 1.019
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

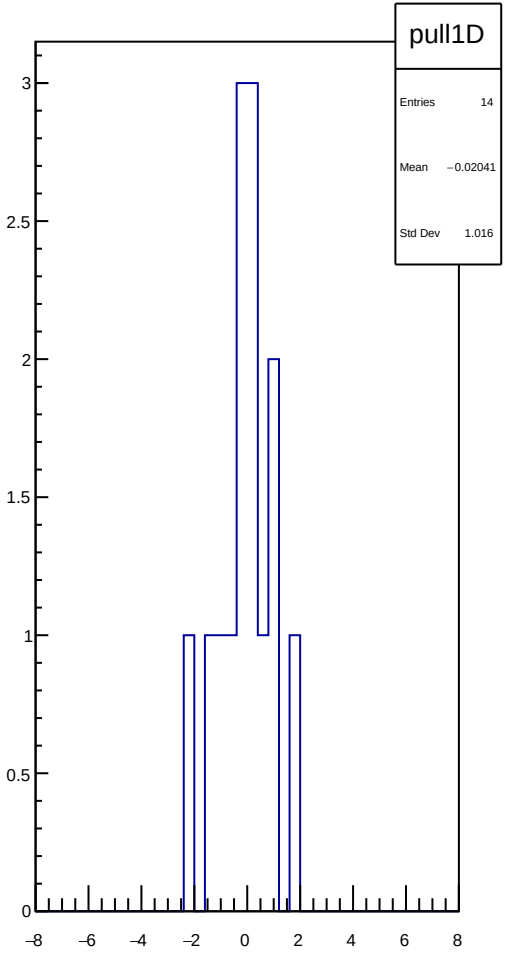

dit_asym_atl2_rms vs run
χ² / ndf 16.52 / 13
p0 1.078e+04 ± 19.91
11000
10900
10800
10700
10600
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

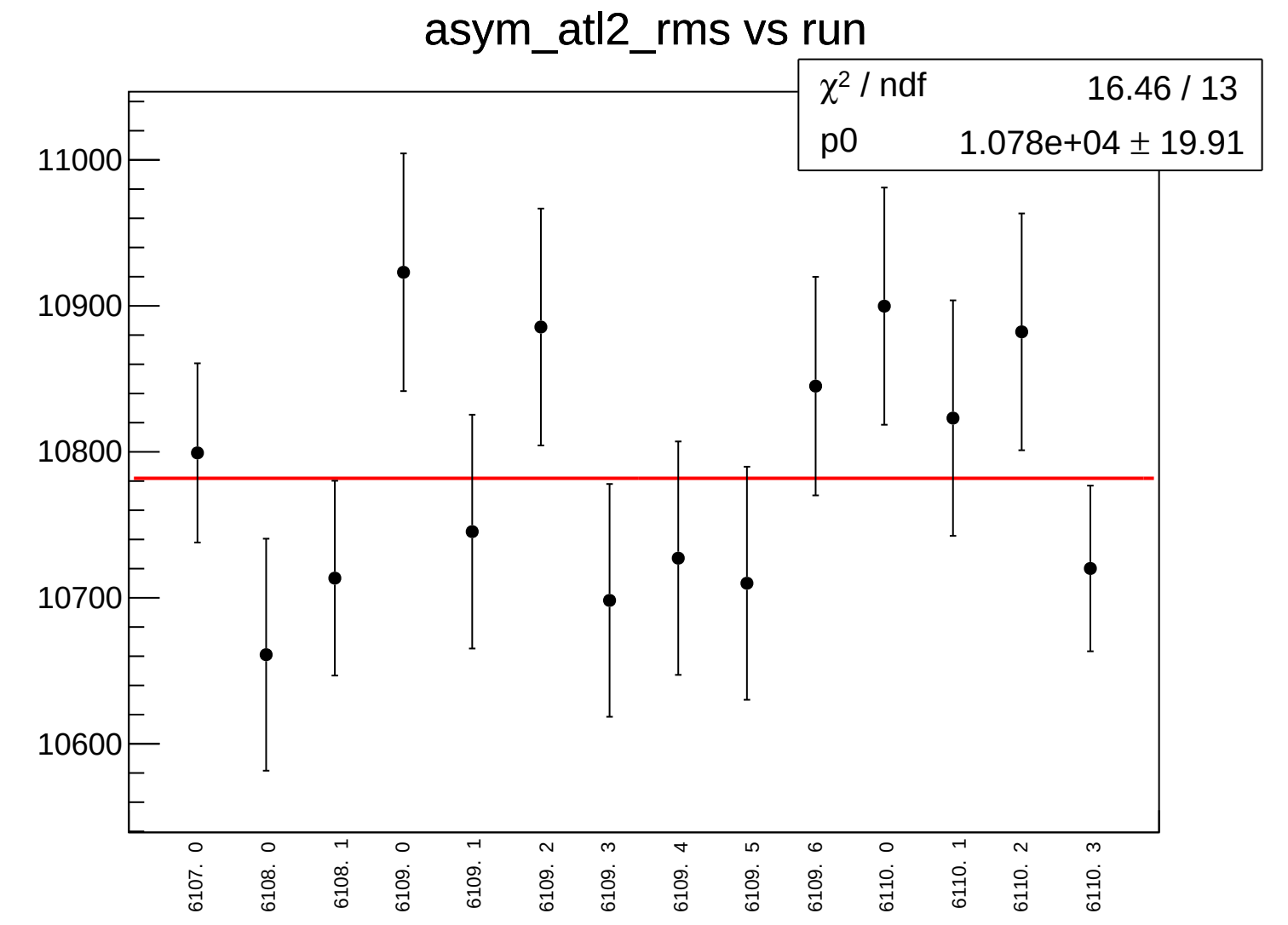

asym_atl2_correction_mean vs run
χ² / ndf 15.04 / 13
p0 112 ± 725.9
6000
4000
2000
0
−2000
−4000
−6000
−8000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 40.49
Std Dev 36.61
1
0.5
0
−0.5
−1
−1.5

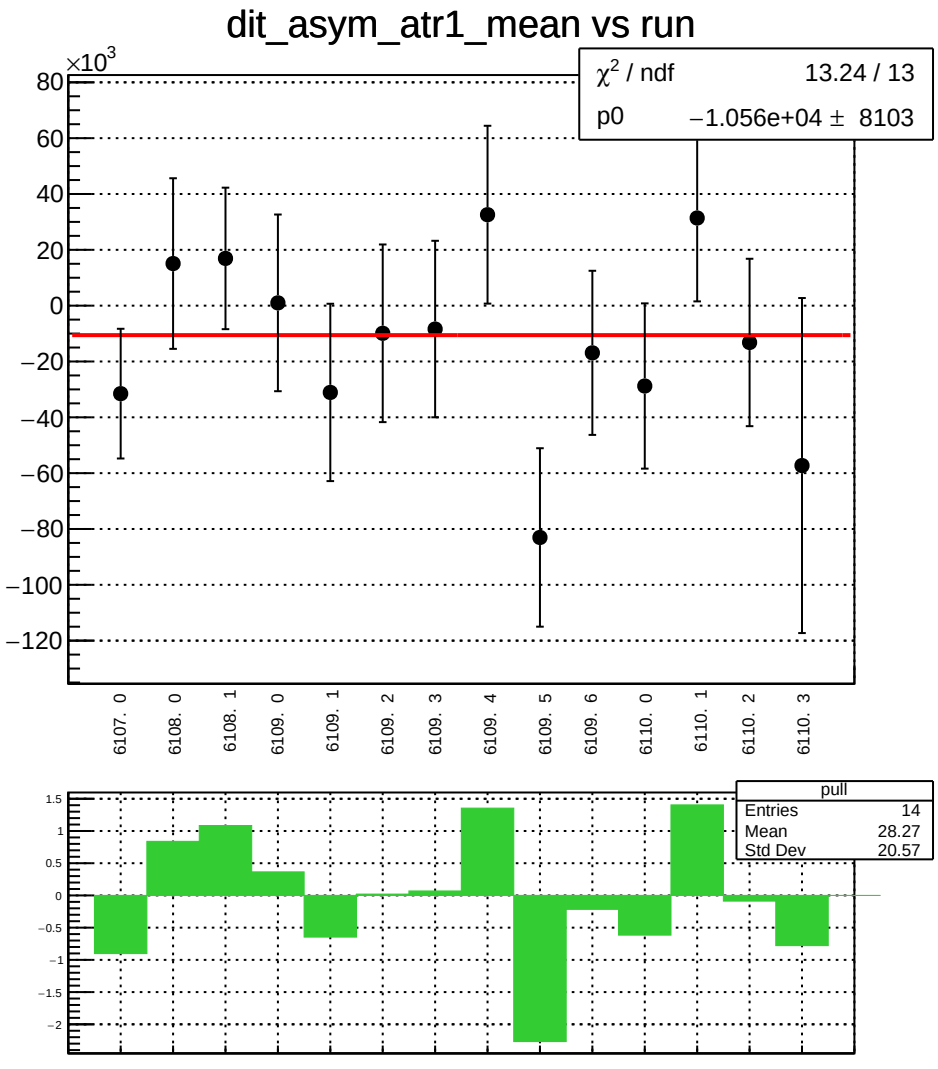

pull1D
Entries 14
Mean −0.03705
Std Dev 1.036
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

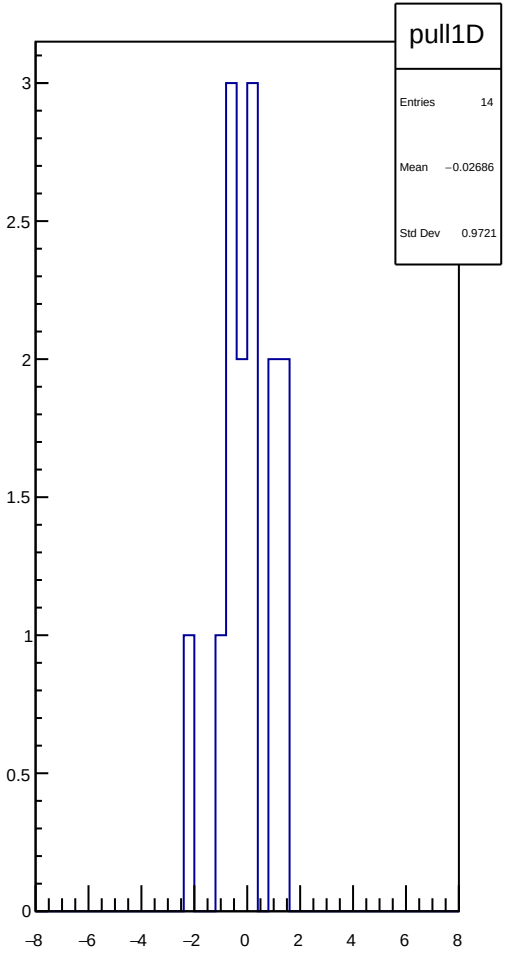

asym_atl2_correction_rms vs run
χ² / ndf 841.3 / 13
p0 277.6 ± 0.5133
320
310
300
290
280
270
260
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

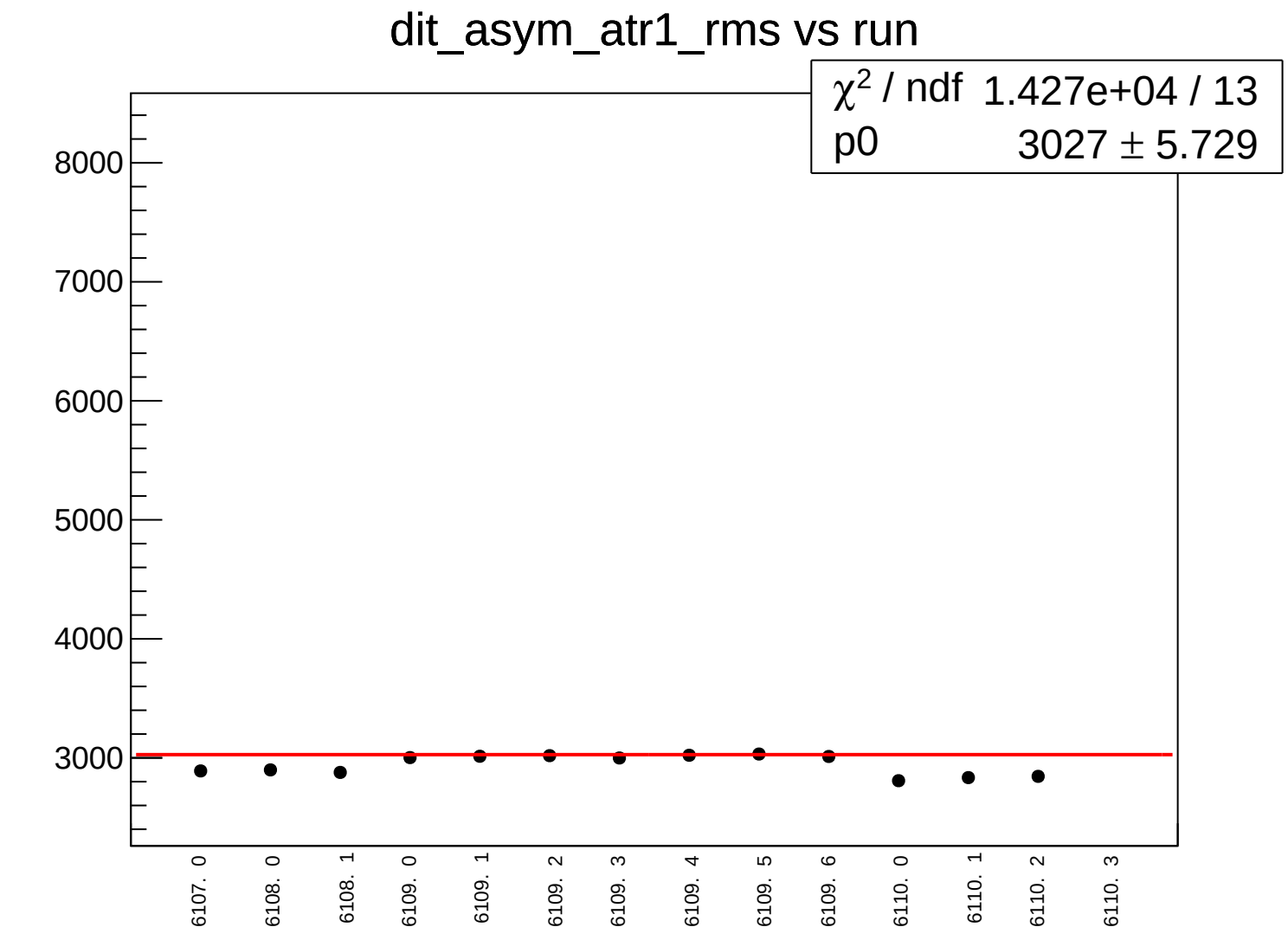

asym_atl2_mean vs run
×10^3
χ² / ndf 14.45 / 13
p0 −427.2 ± 2.815e+04
300
200
100
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −36.6
Std Dev 44.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

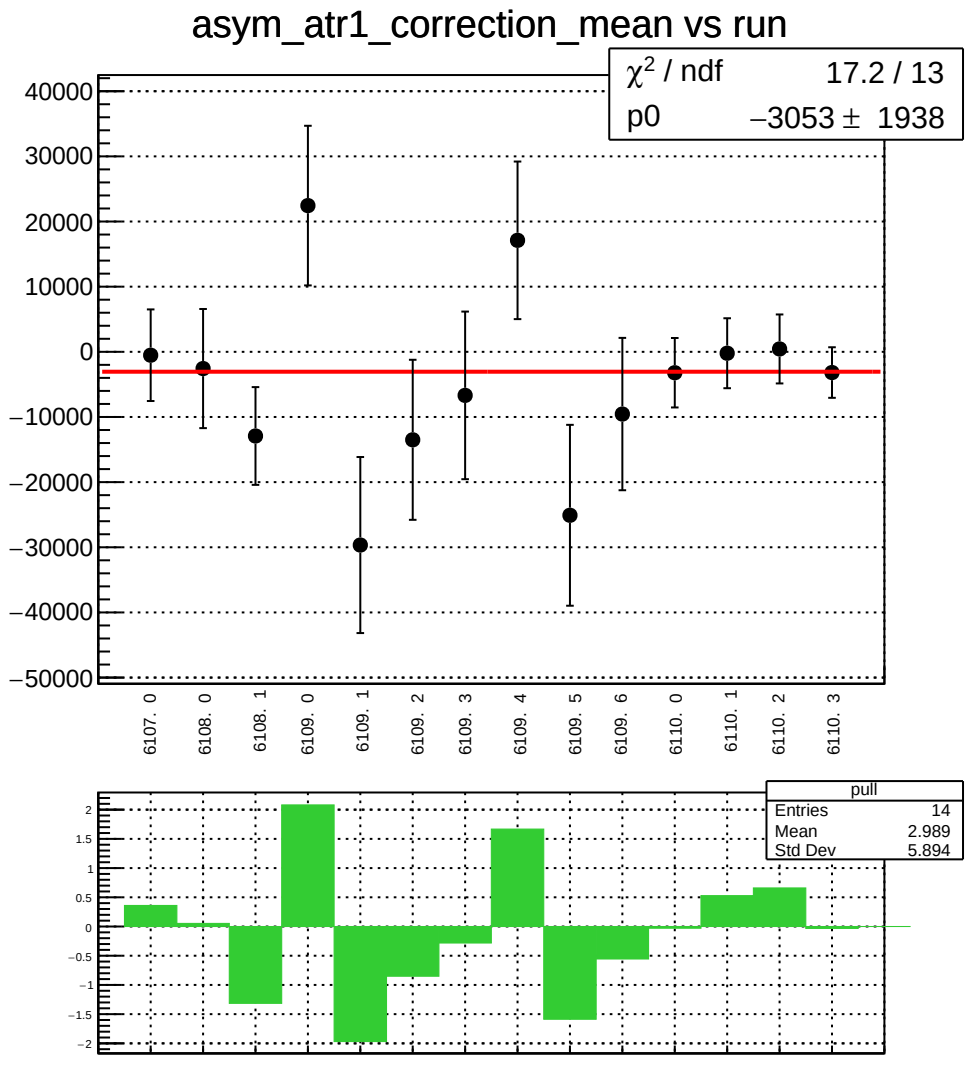

pull1D
Entries 14
Mean −0.02041
Std Dev 1.016
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

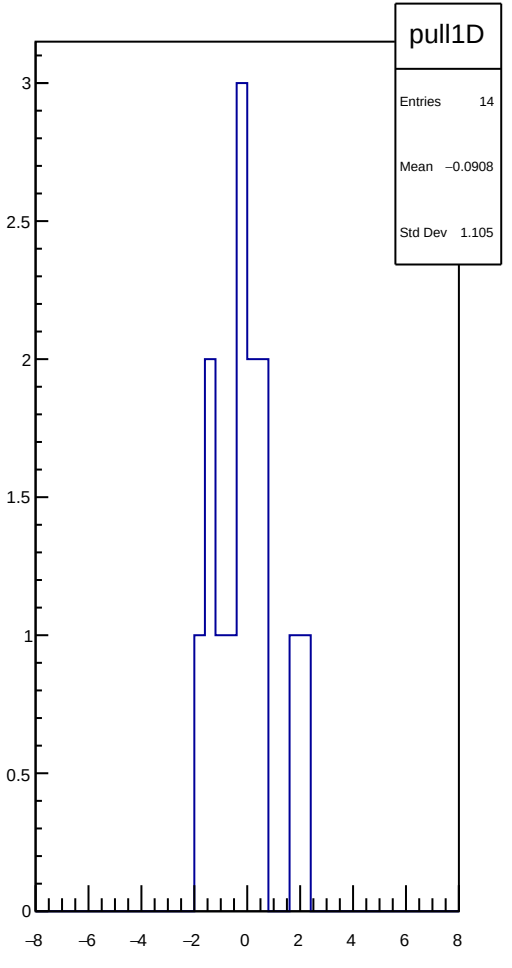

asym_atl2_rms vs run
χ² / ndf 16.46 / 13
p0 1.078e+04 ± 19.91
11000
10900
10800
10700
10600
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

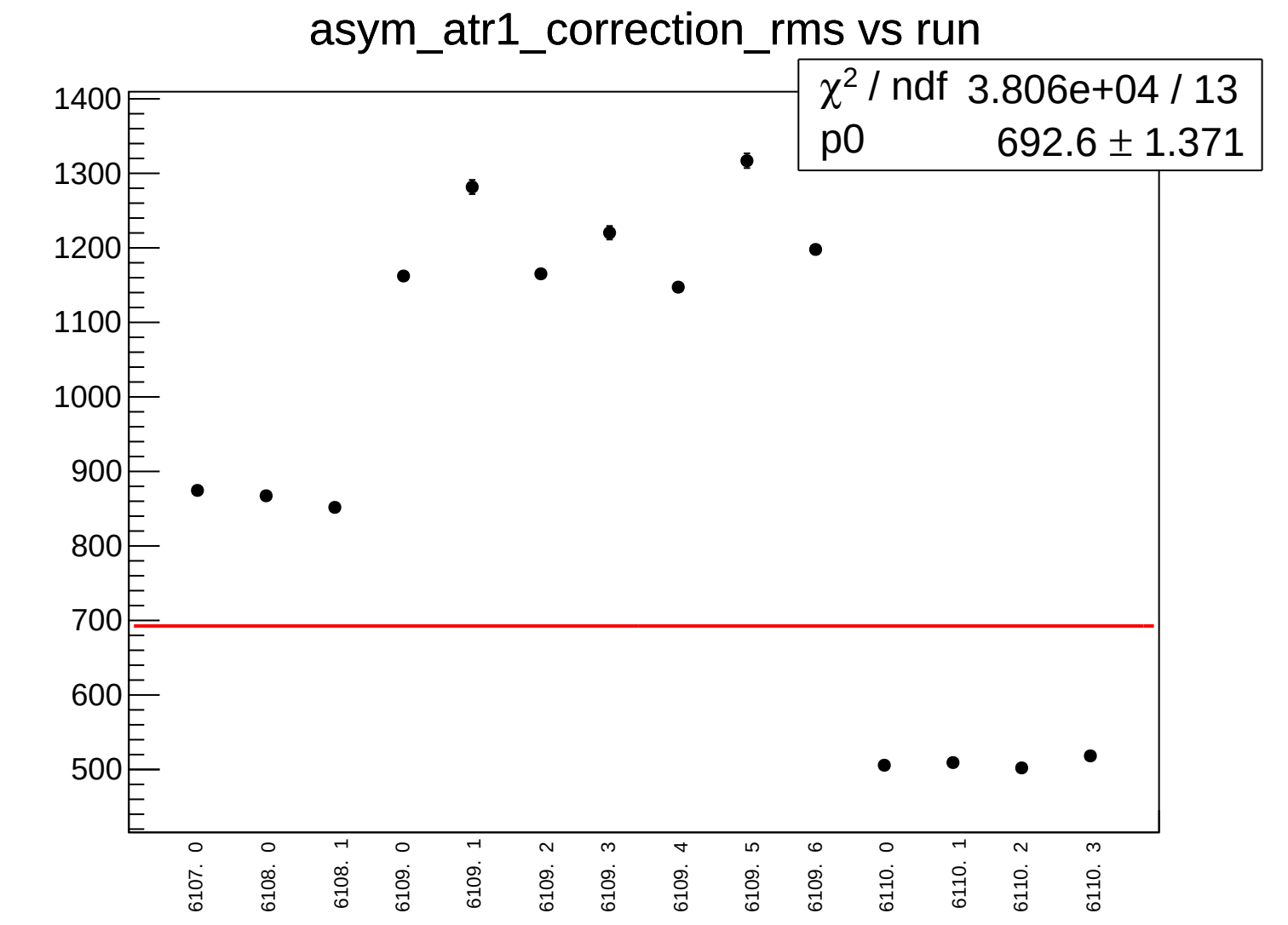

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 13.24 / 13
p0 −1.056e+04 ± 8103
80
60
40
20
0
−20
−40
−60
−80
−100
−120
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.27
Std Dev 20.57
1.5
1
0.5
0
−0.5
−1
−1.5
−2

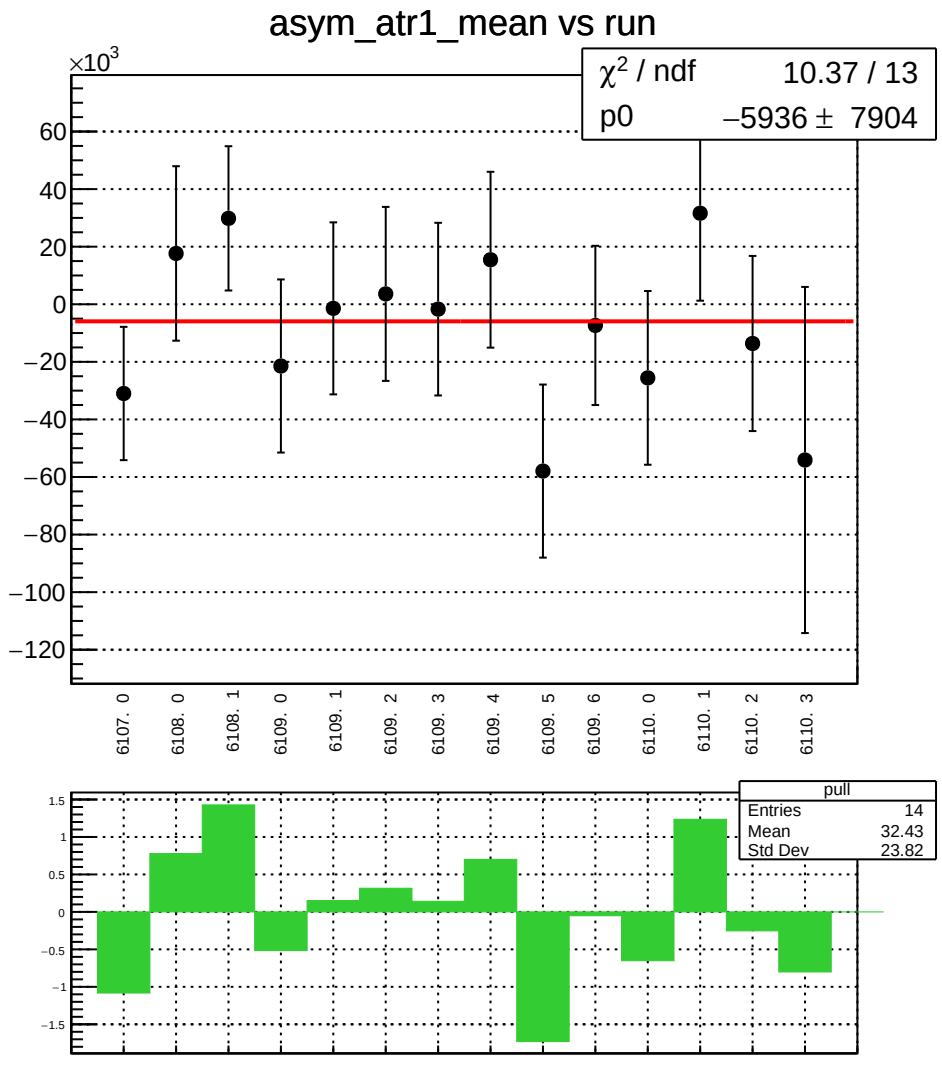

pull1D
Entries 14
Mean −0.02686
Std Dev 0.9721
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

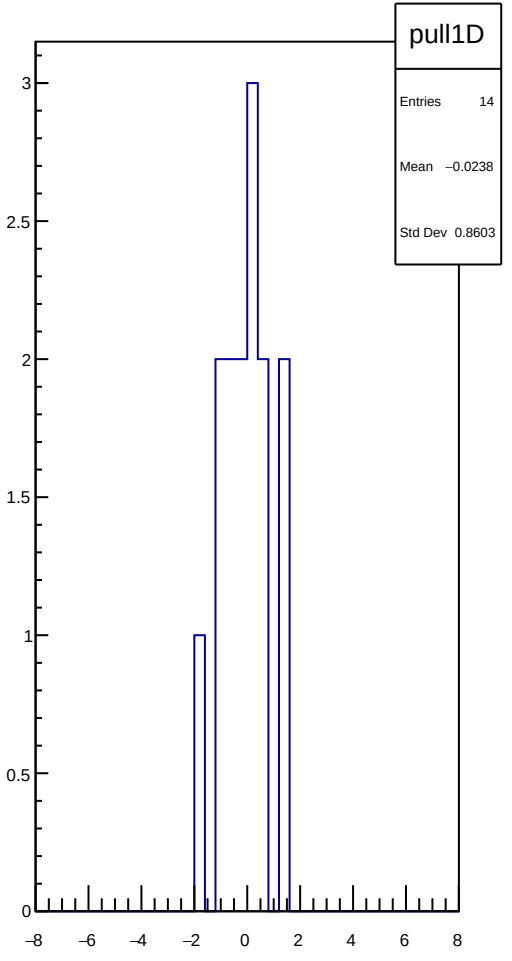

dit_asym_atr1_rms vs run
χ² / ndf 1.427e+04 / 13
p0 3027 ± 5.729
8000
7000
6000
5000
4000
3000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

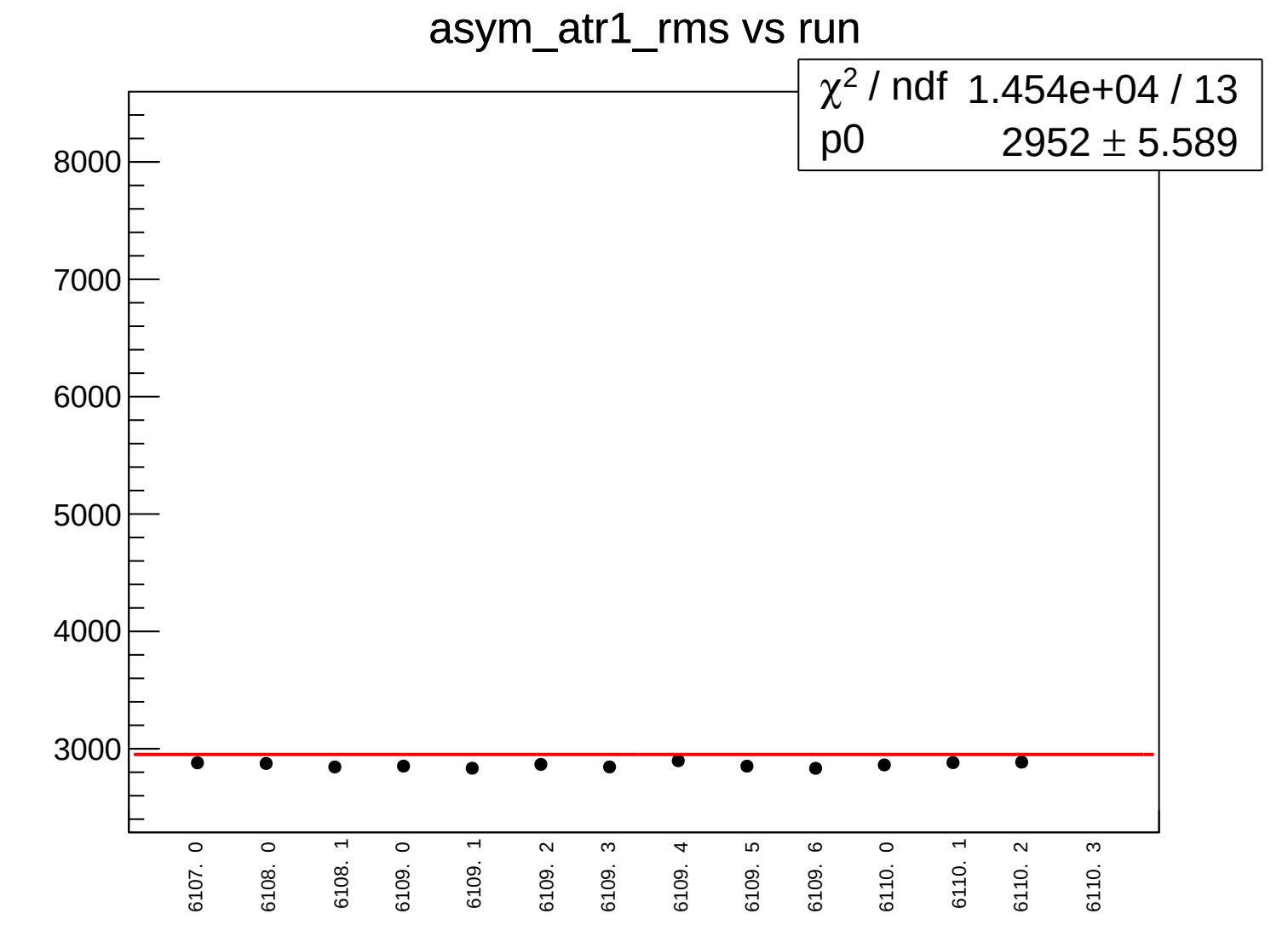

asym_atr1_correction_mean vs run
χ² / ndf 17.2 / 13
p0 −3053 ± 1938
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 2.989
Std Dev 5.894
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

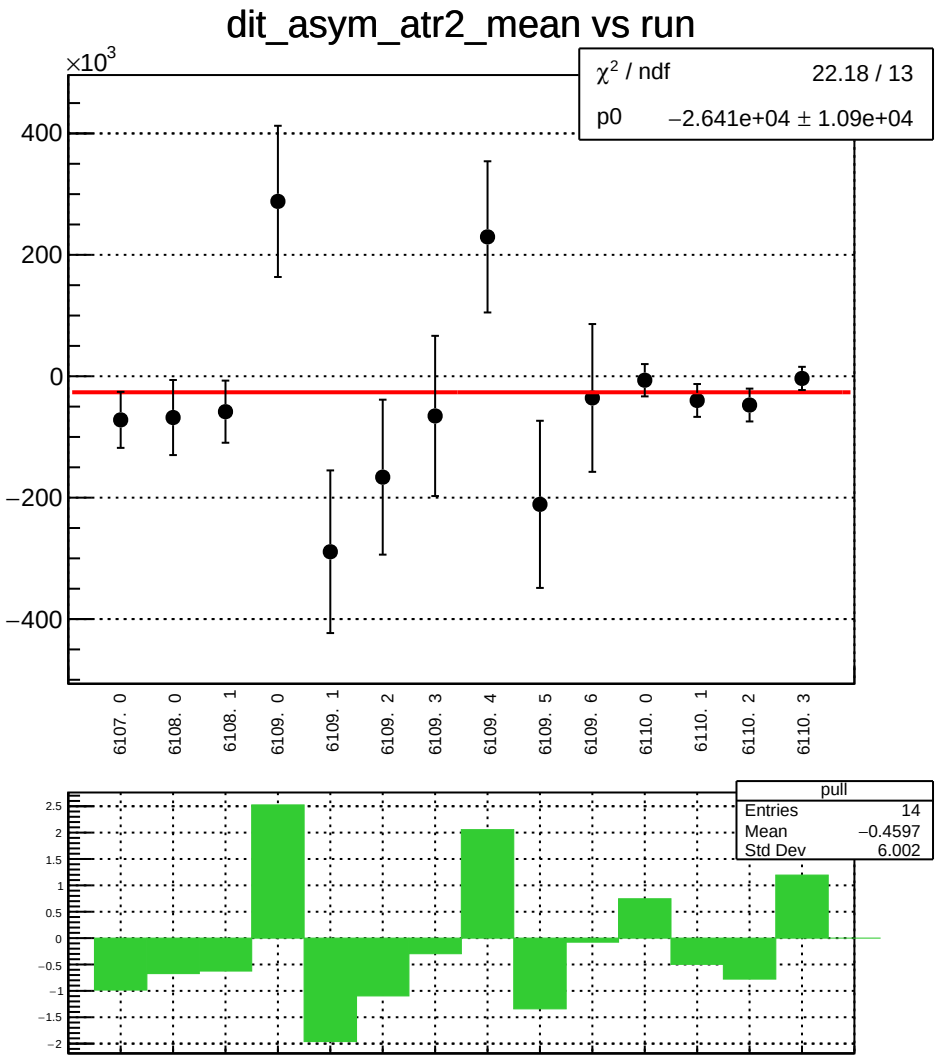

pull1D
Entries 14
Mean −0.0908
Std Dev 1.105
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

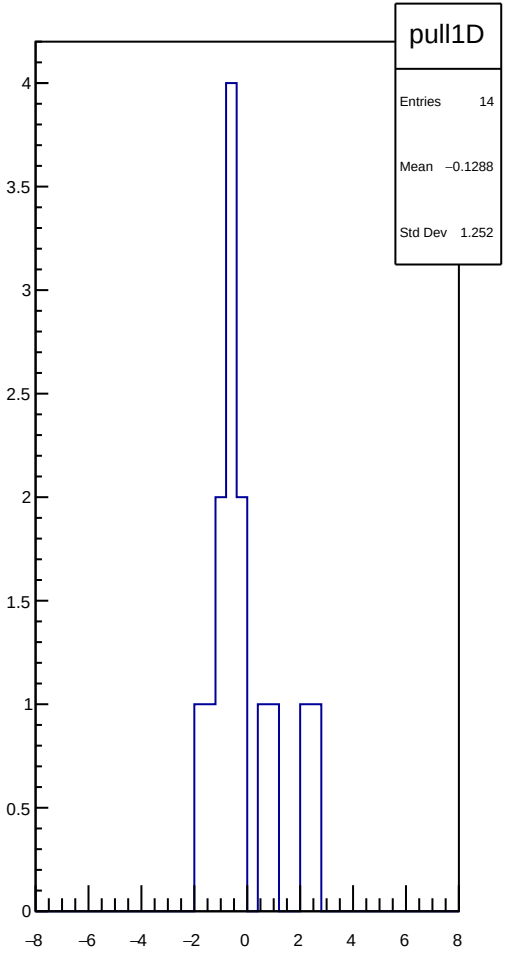

asym_atr1_correction_rms vs run
χ² / ndf 3.806e+04 / 13
p0 692.6 ± 1.371
1400
1300
1200
1100
1000
900
800
700
600
500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

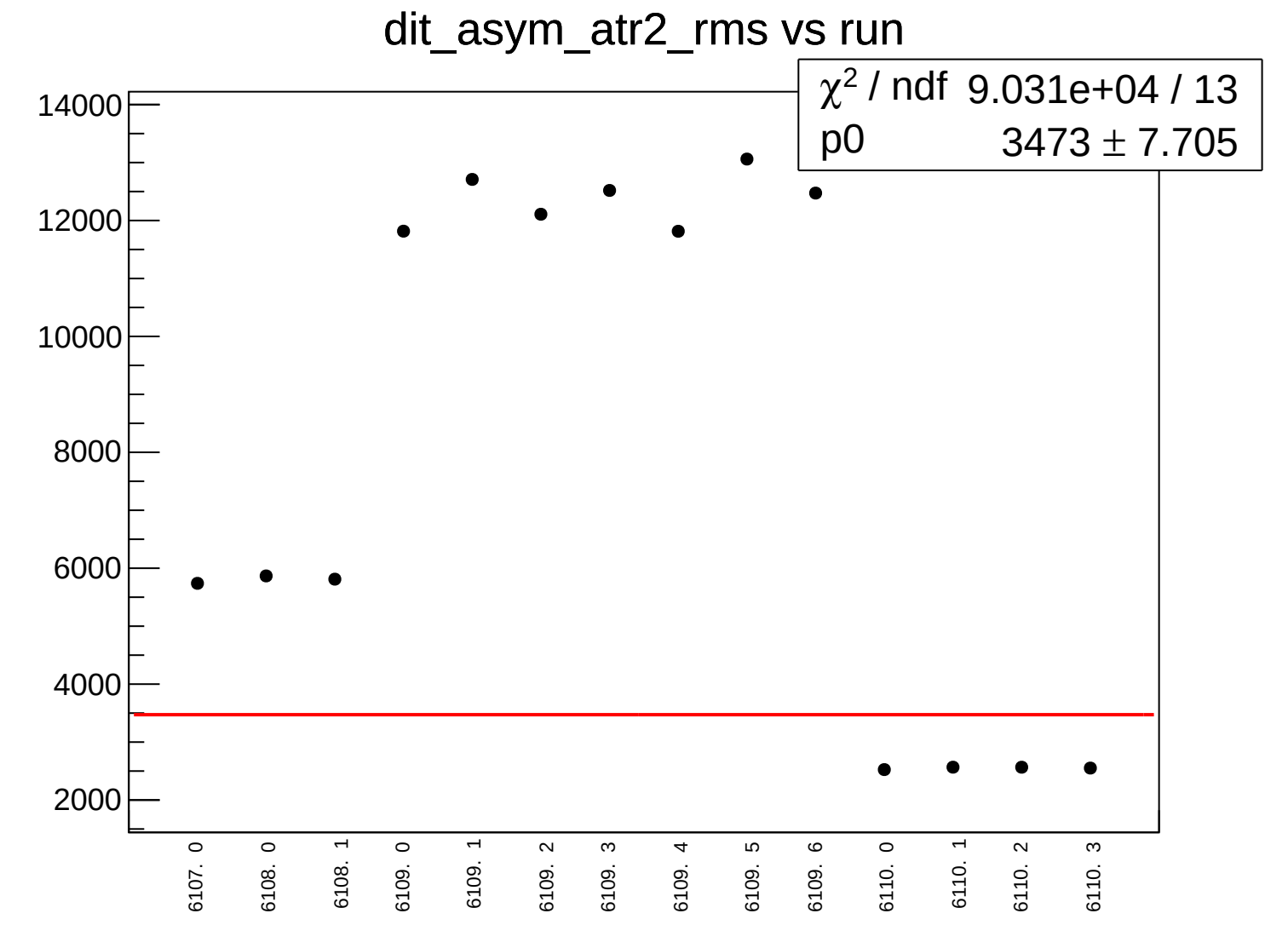

asym_atr1_mean vs run
×10^3
χ^2 / ndf 10.37 / 13
p0 −5936 ± 7904
60
40
20
0
−20
−40
−60
−80
−100
−120
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 32.43
Std Dev 23.82
1.5
1
0.5
0
−0.5
−1
−1.5

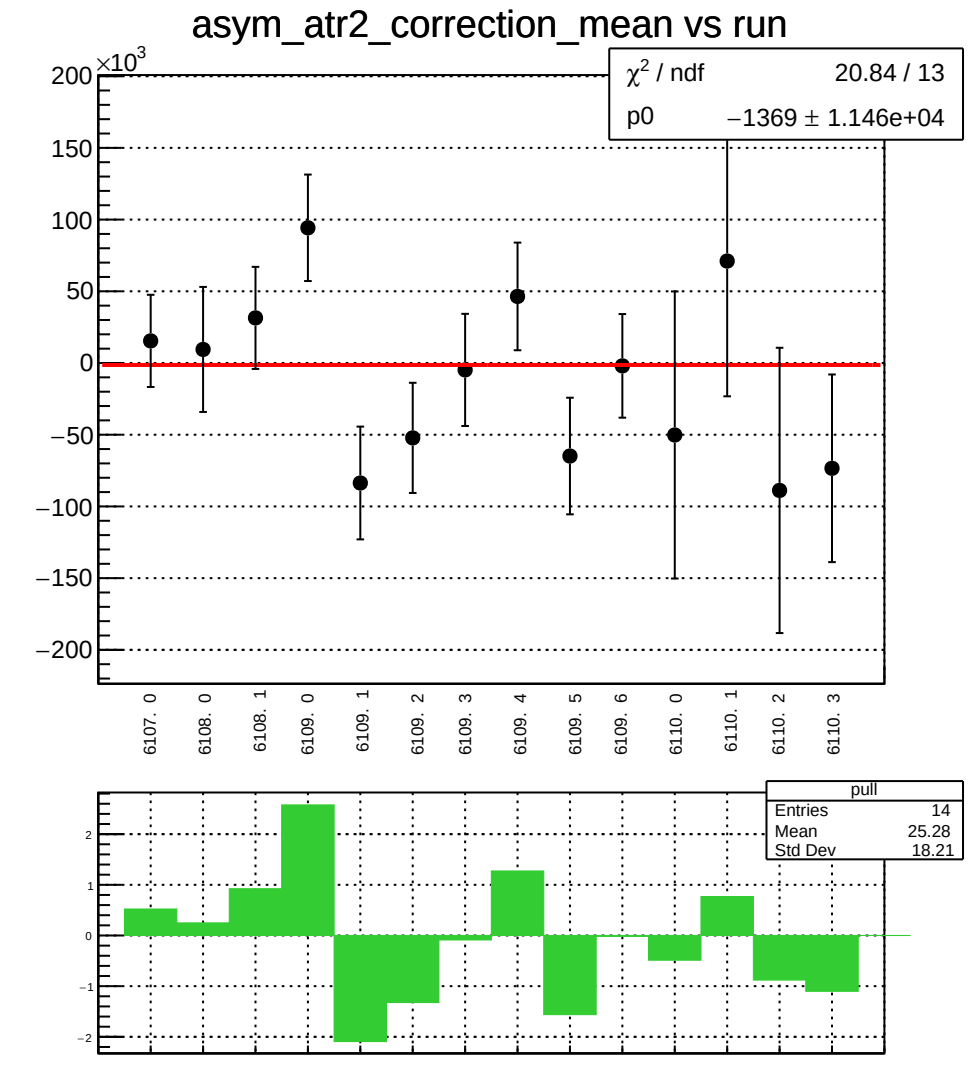

pull1D
Entries 14
Mean −0.0238
Std Dev 0.8603
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

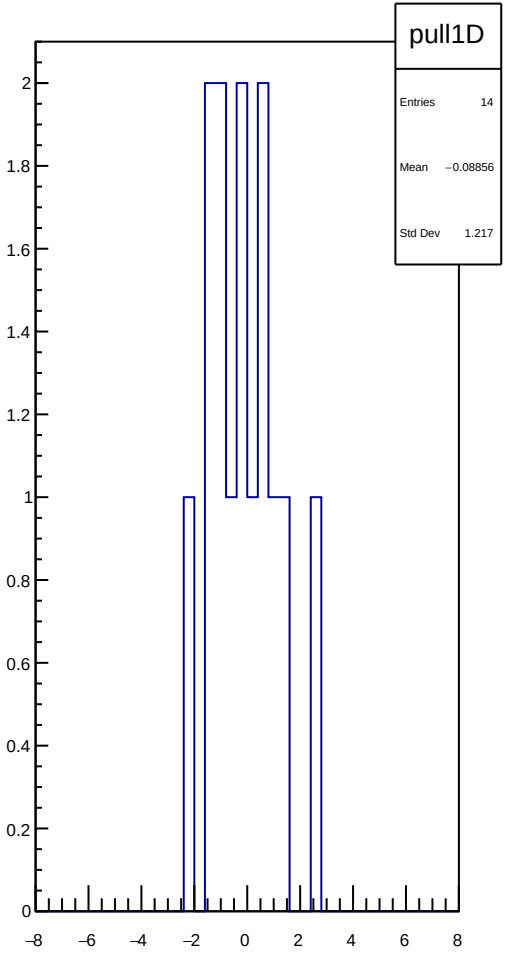

asym_atr1_rms vs run
χ² / ndf 1.454e+04 / 13
p0 2952 ± 5.589
8000
7000
6000
5000
4000
3000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

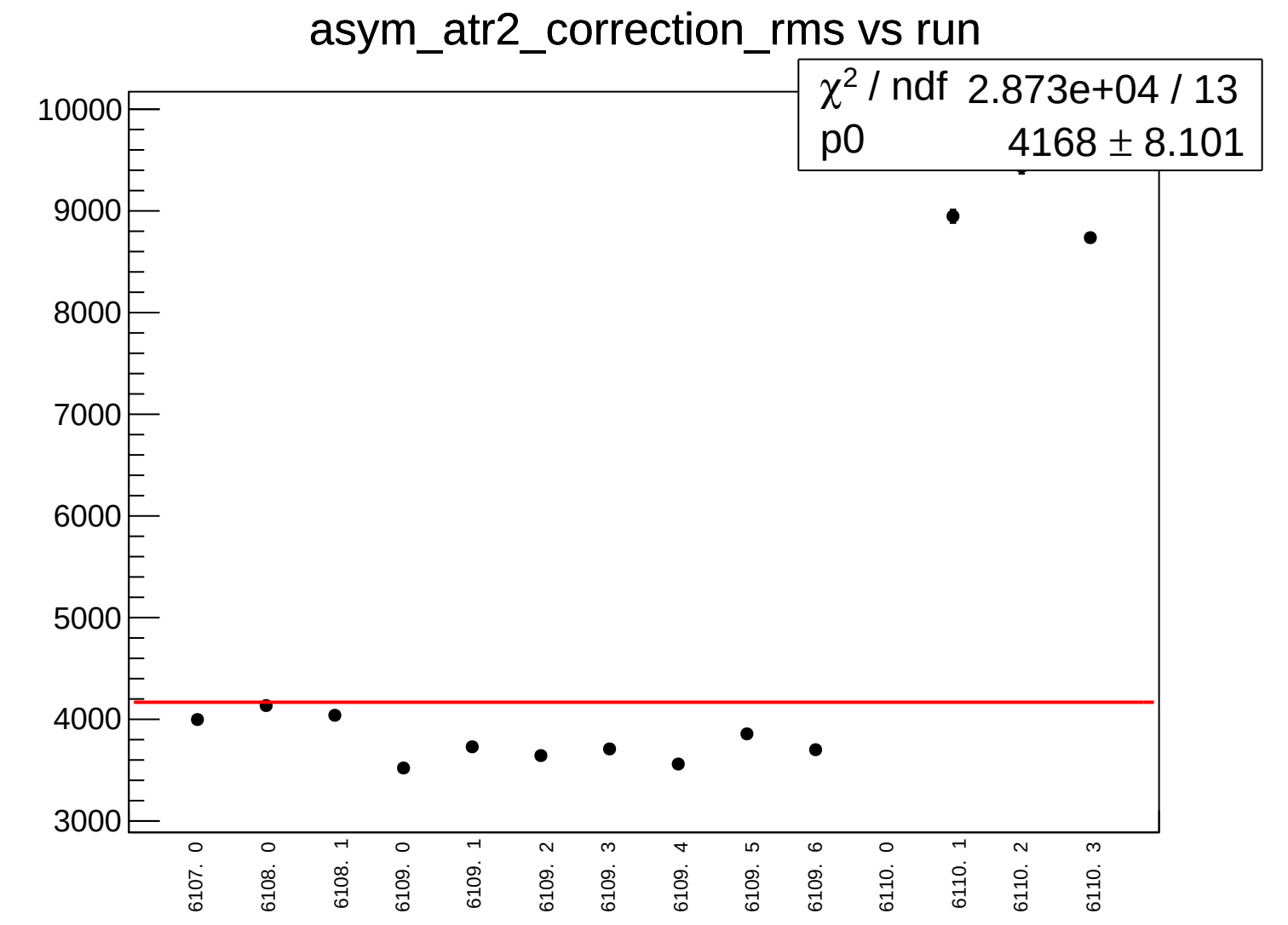

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 22.18 / 13
p0 −2.641e+04 ± 1.09e+04
400
200
0
−200
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.4597
Std Dev 6.002
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

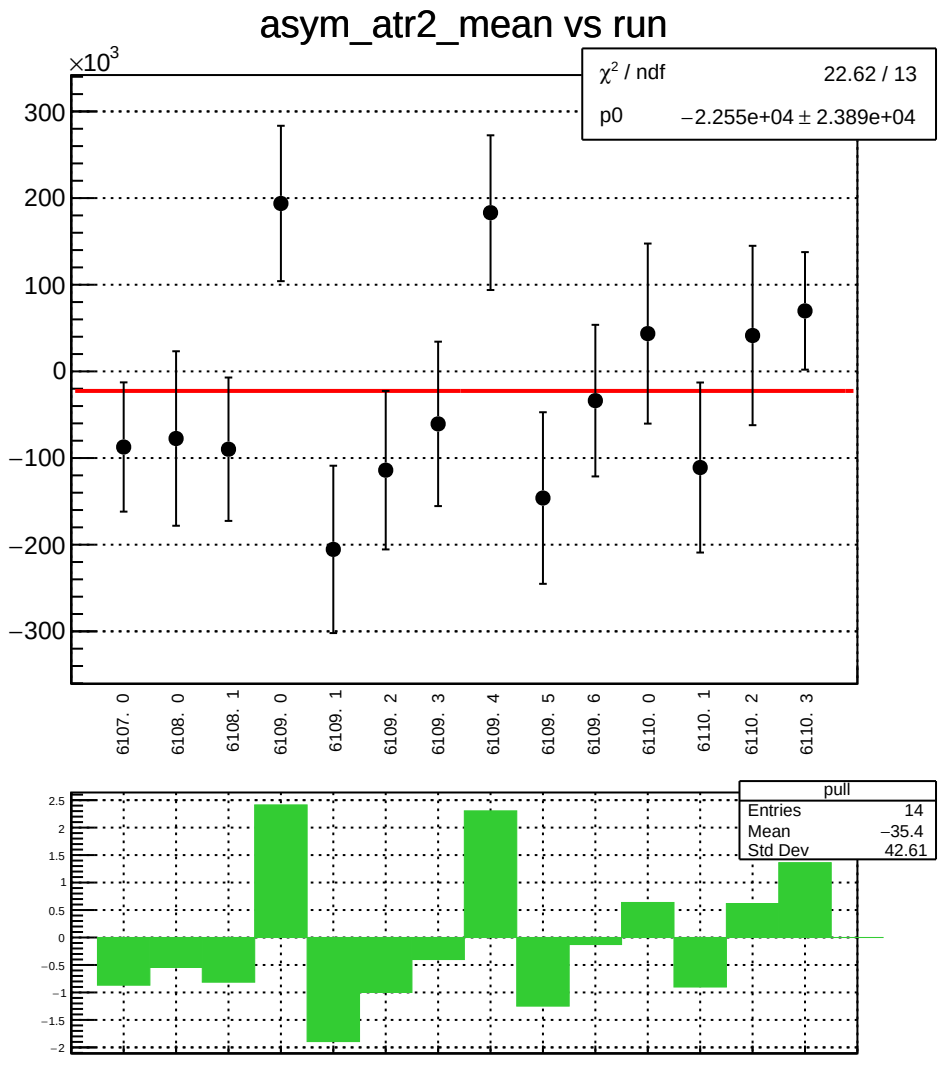

pull1D
Entries 14
Mean −0.1288
Std Dev 1.252
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

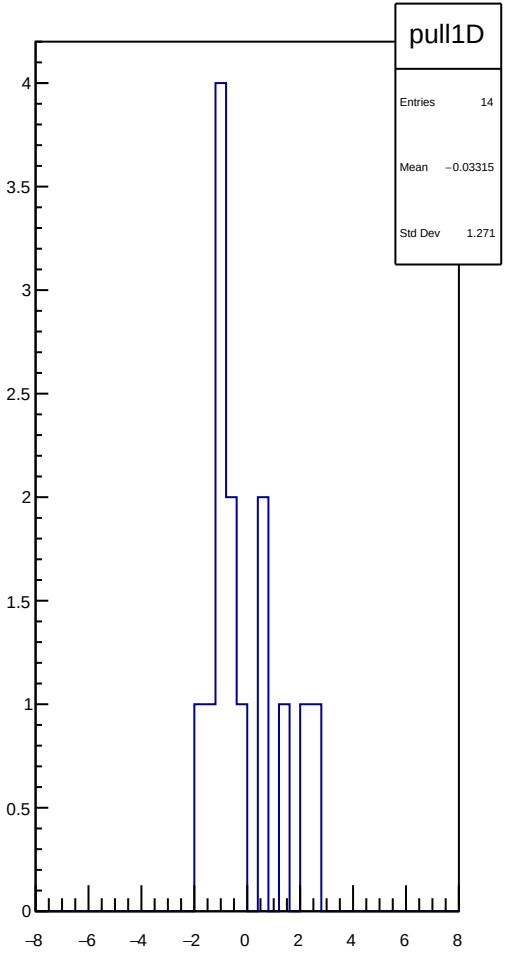

dit_asym_atr2_rms vs run
χ² / ndf 9.031e+04 / 13
p0 3473 ± 7.705
14000
12000
10000
8000
6000
4000
2000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

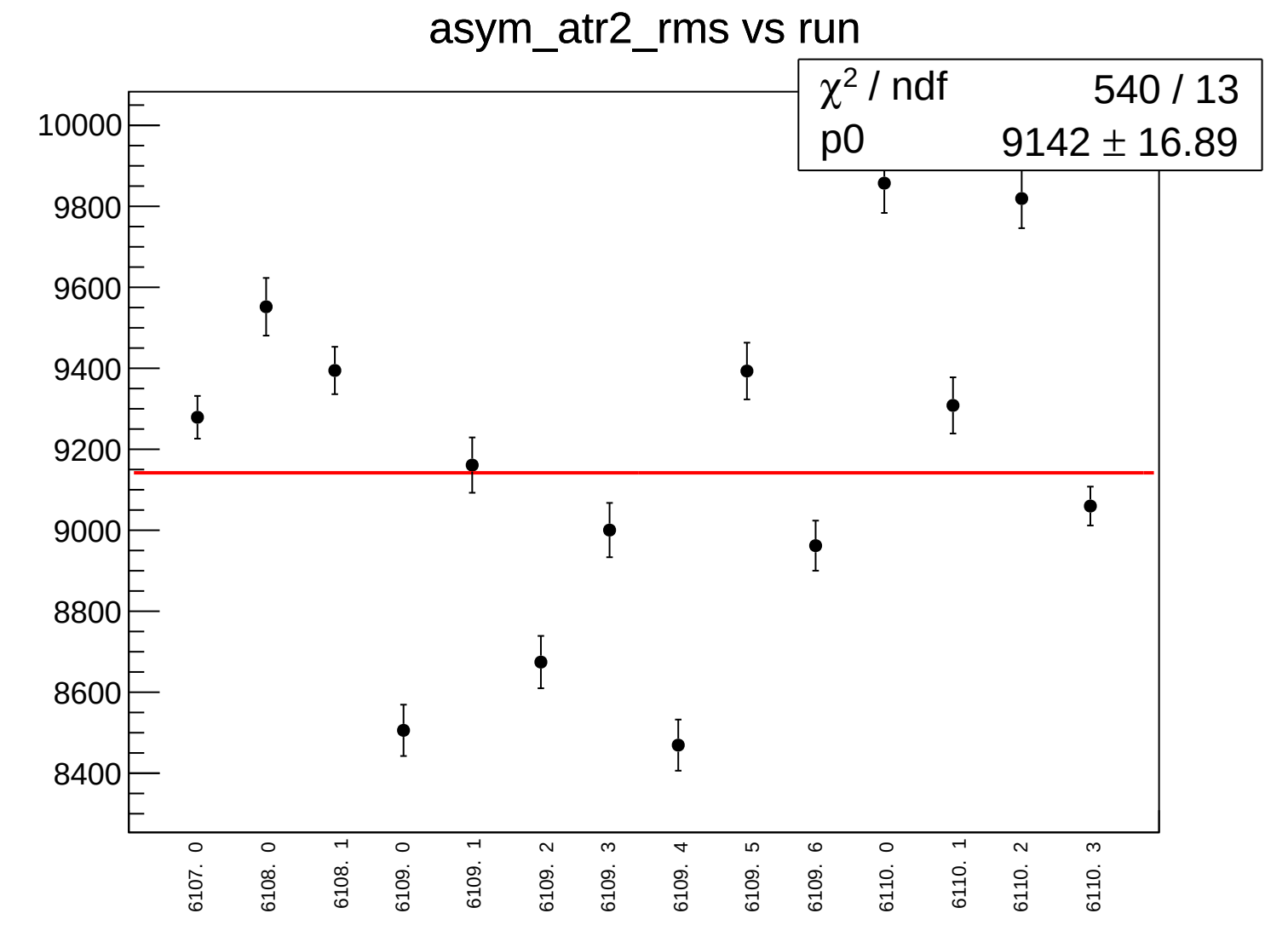

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 20.84 / 13
p0 −1369 ± 1.146e+04
200
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 25.28
Std Dev 18.21
2
1
0
−1
−2

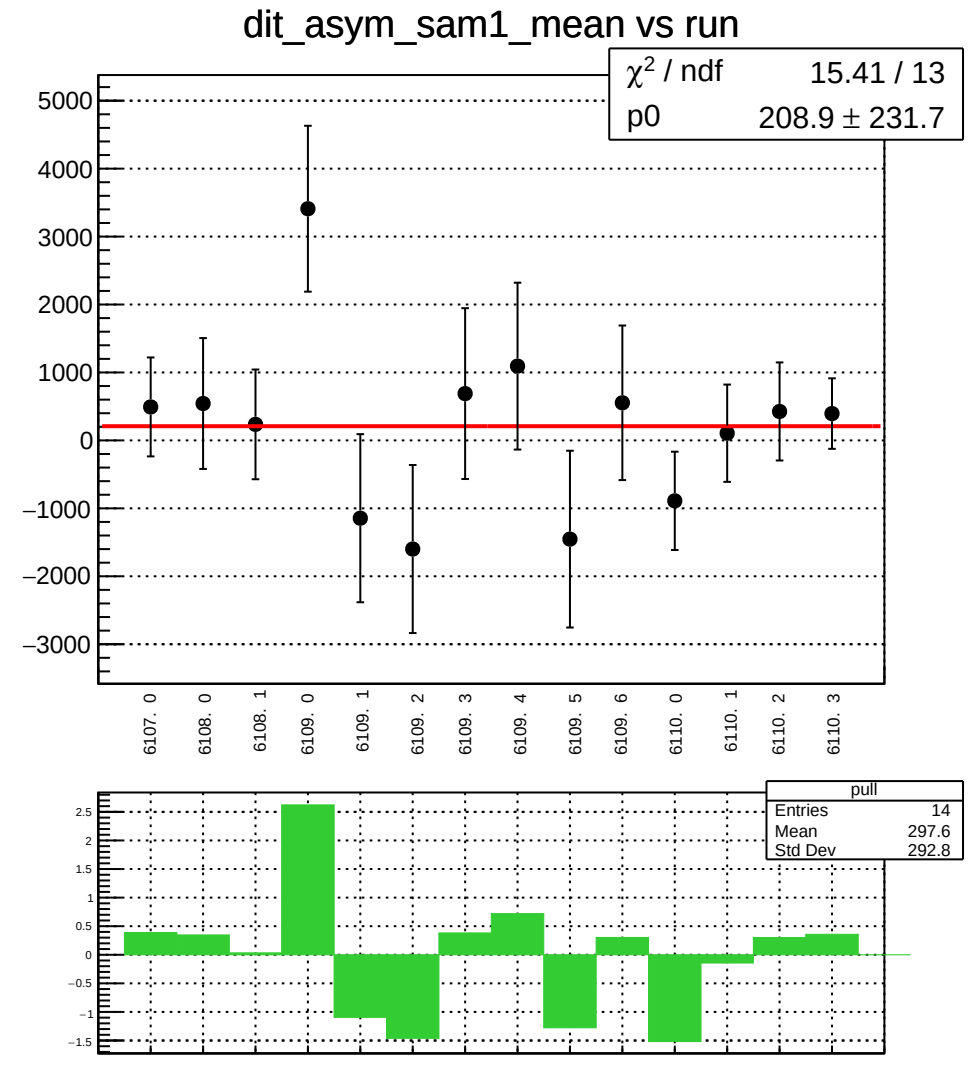

pull1D
Entries 14
Mean −0.08856
Std Dev 1.217
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

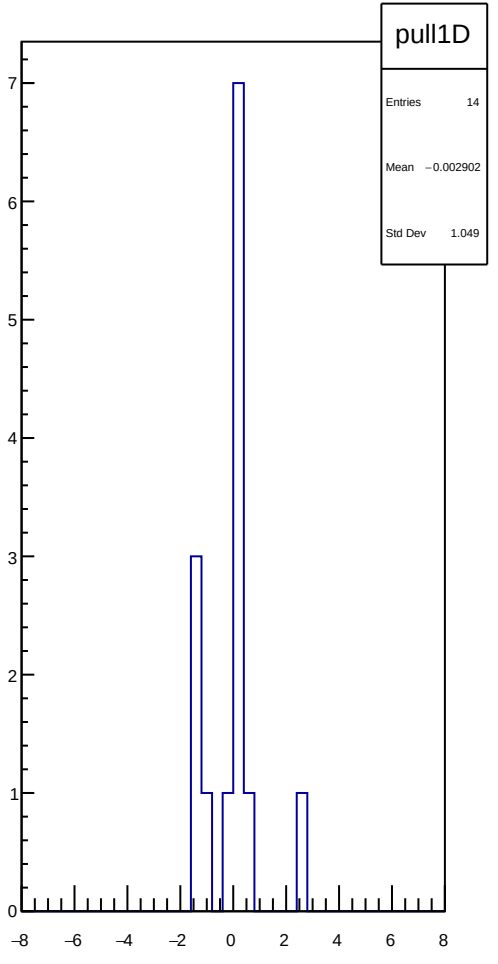

asym_atr2_correction_rms vs run
χ² / ndf 2.873e+04 / 13
p0 4168 ± 8.101
10000
9000
8000
7000
6000
5000
4000
3000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

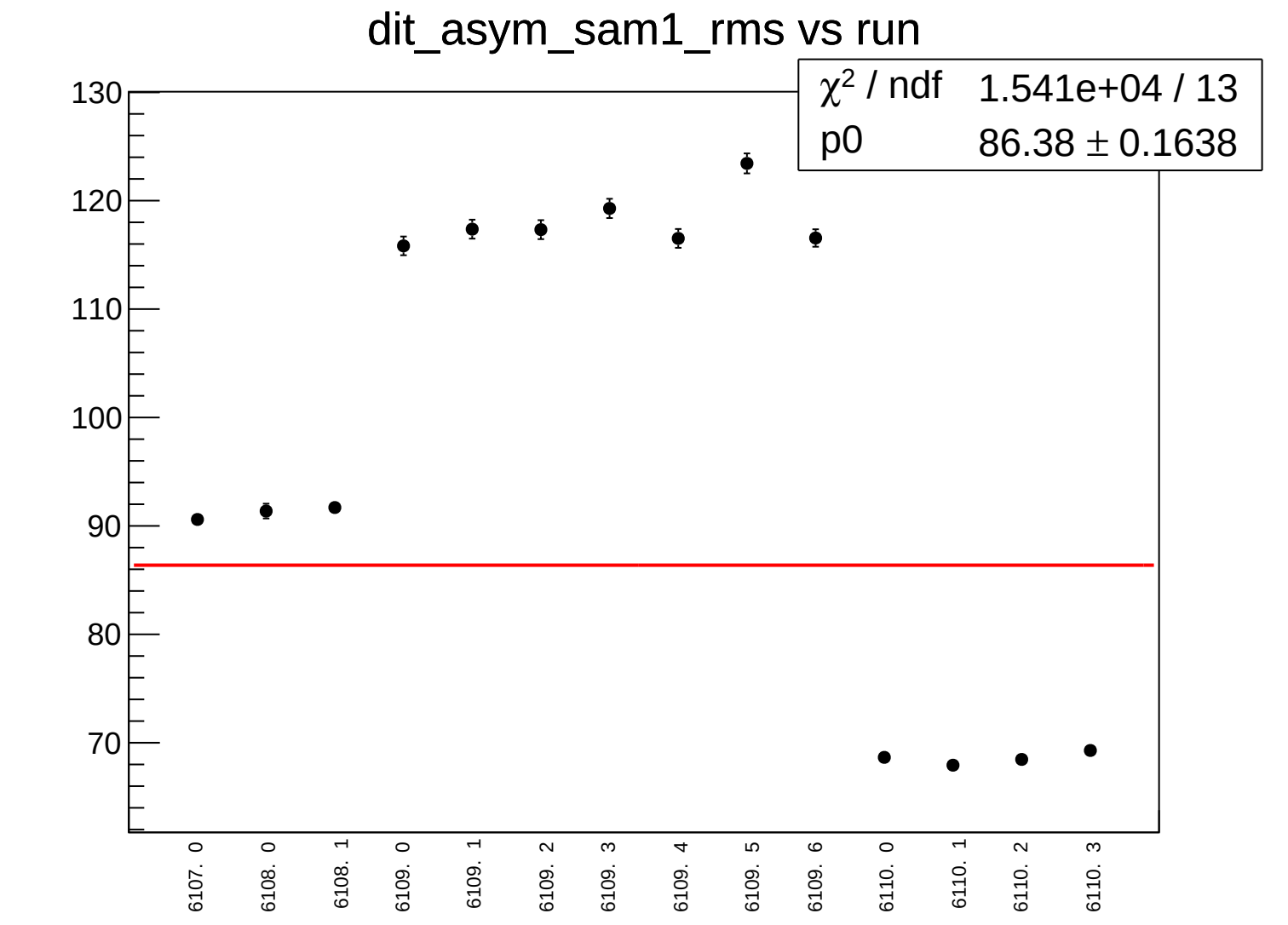

asym_atr2_mean vs run
×10^3
χ² / ndf 22.62 / 13
p0 −2.255e+04 ± 2.389e+04
300
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −35.4
Std Dev 42.61
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

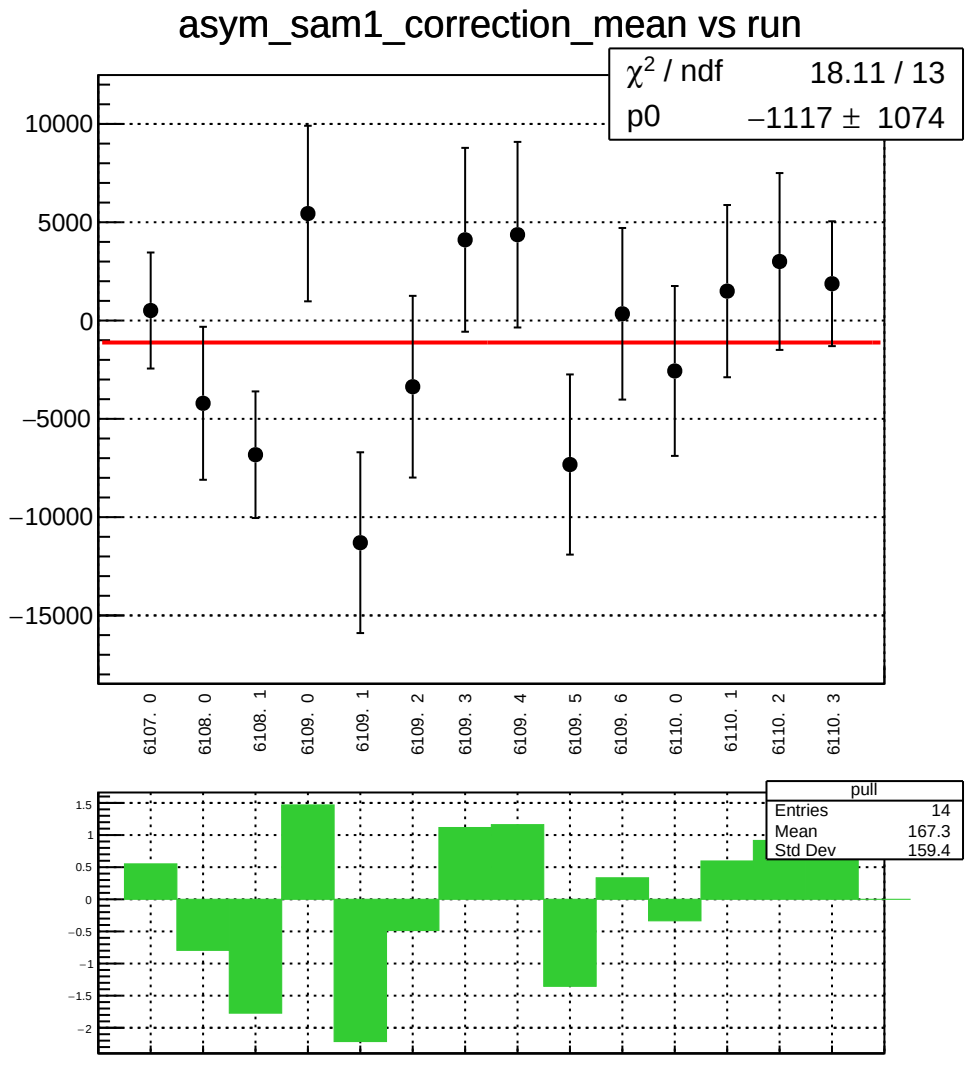

pull1D
Entries 14
Mean −0.03315
Std Dev 1.271
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

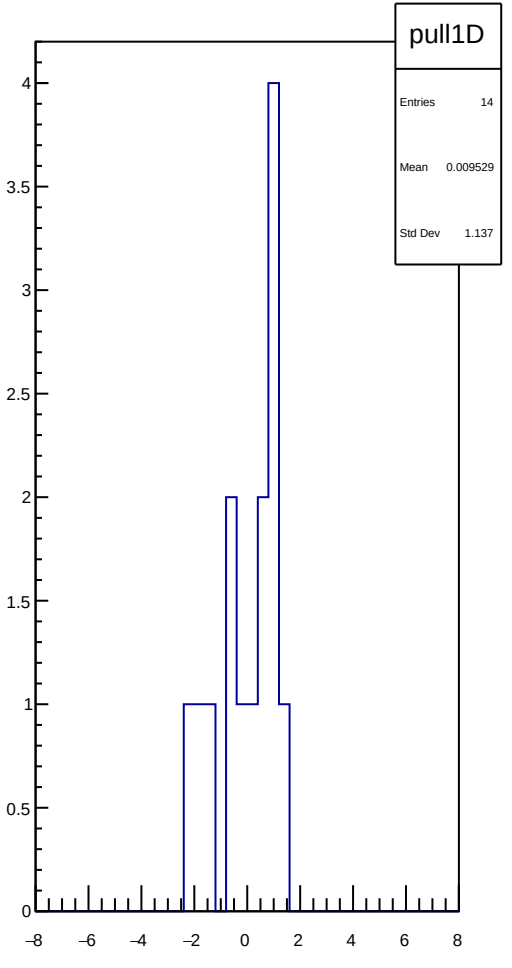

asym_atr2_rms vs run
χ² / ndf 540 / 13
p0 9142 ± 16.89
10000
9800
9600
9400
9200
9000
8800
8600
8400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

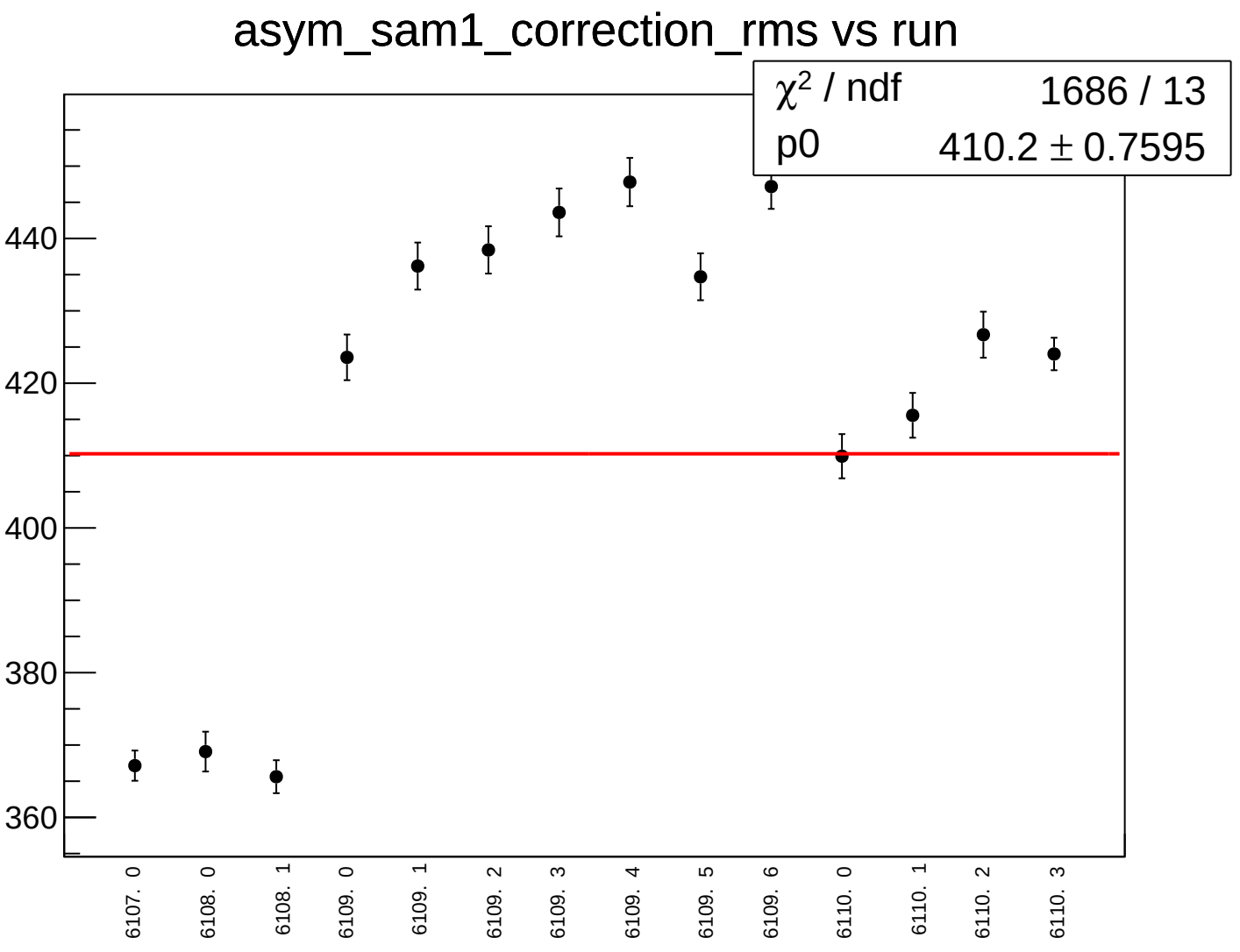

dit_asym_sam1_mean vs run
χ^2 / ndf 15.41 / 13
p0 208.9 ± 231.7
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 297.6
Std Dev 292.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

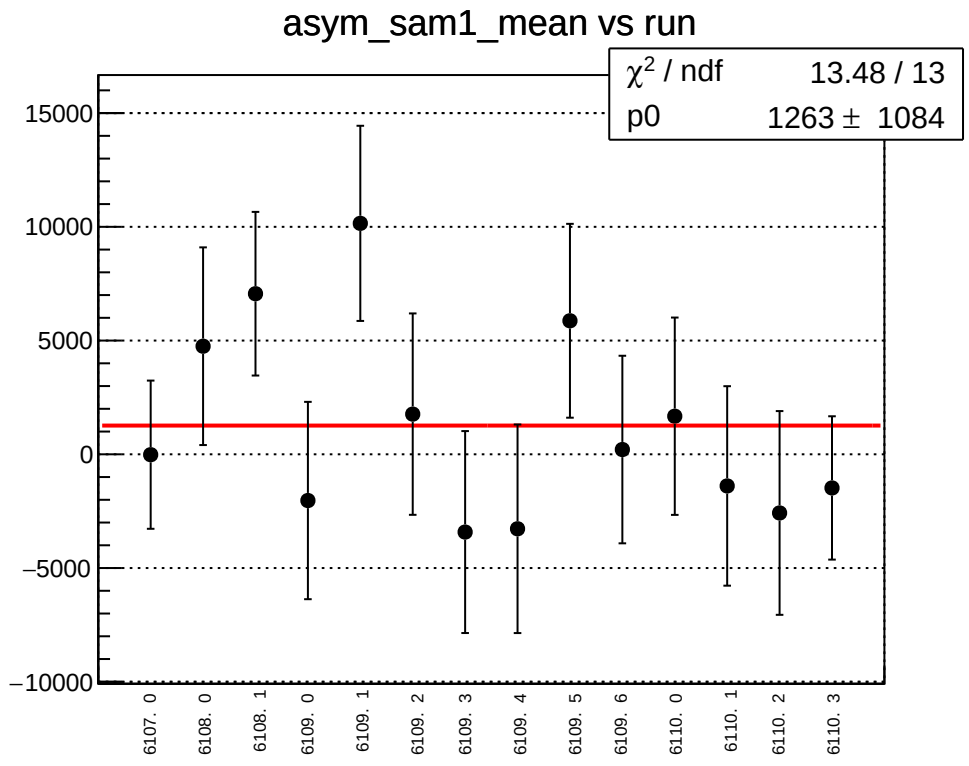

pull1D
Entries 14
Mean −0.002902
Std Dev 1.049
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

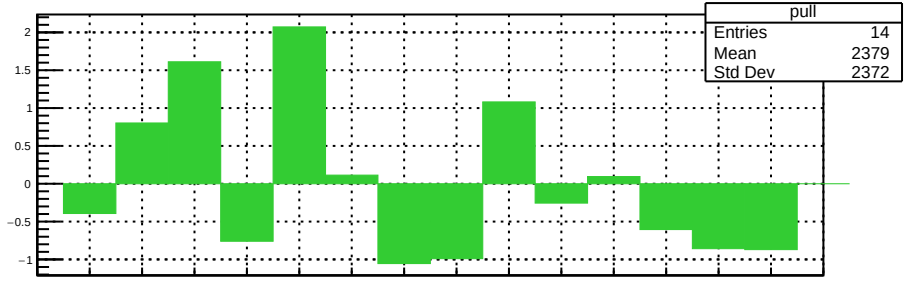

dit_asym_sam1_rms vs run
χ² / ndf 1.541e+04 / 13
p0 86.38 ± 0.1638
130
120
110
100
90
80
70
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

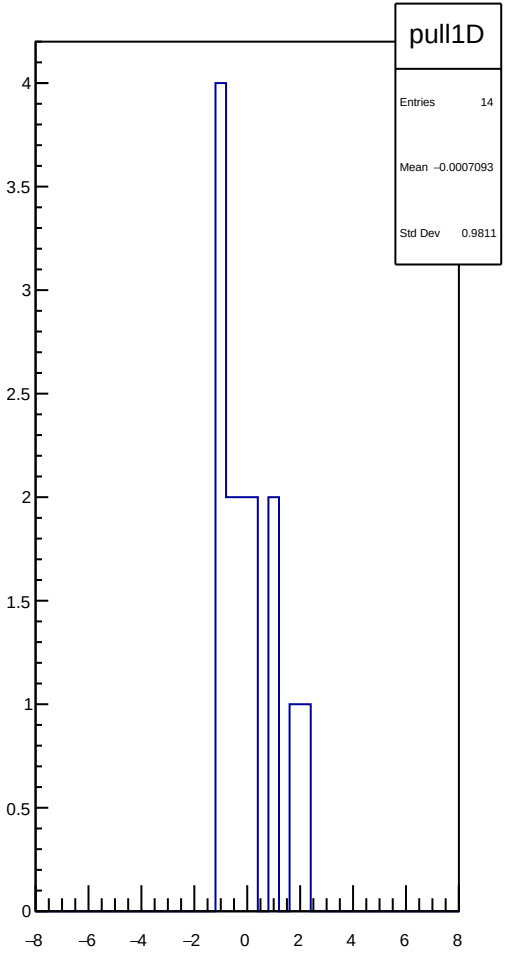

asym_sam1_correction_mean vs run
χ² / ndf 18.11 / 13
p0 −1117 ± 1074
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 167.3
Std Dev 159.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

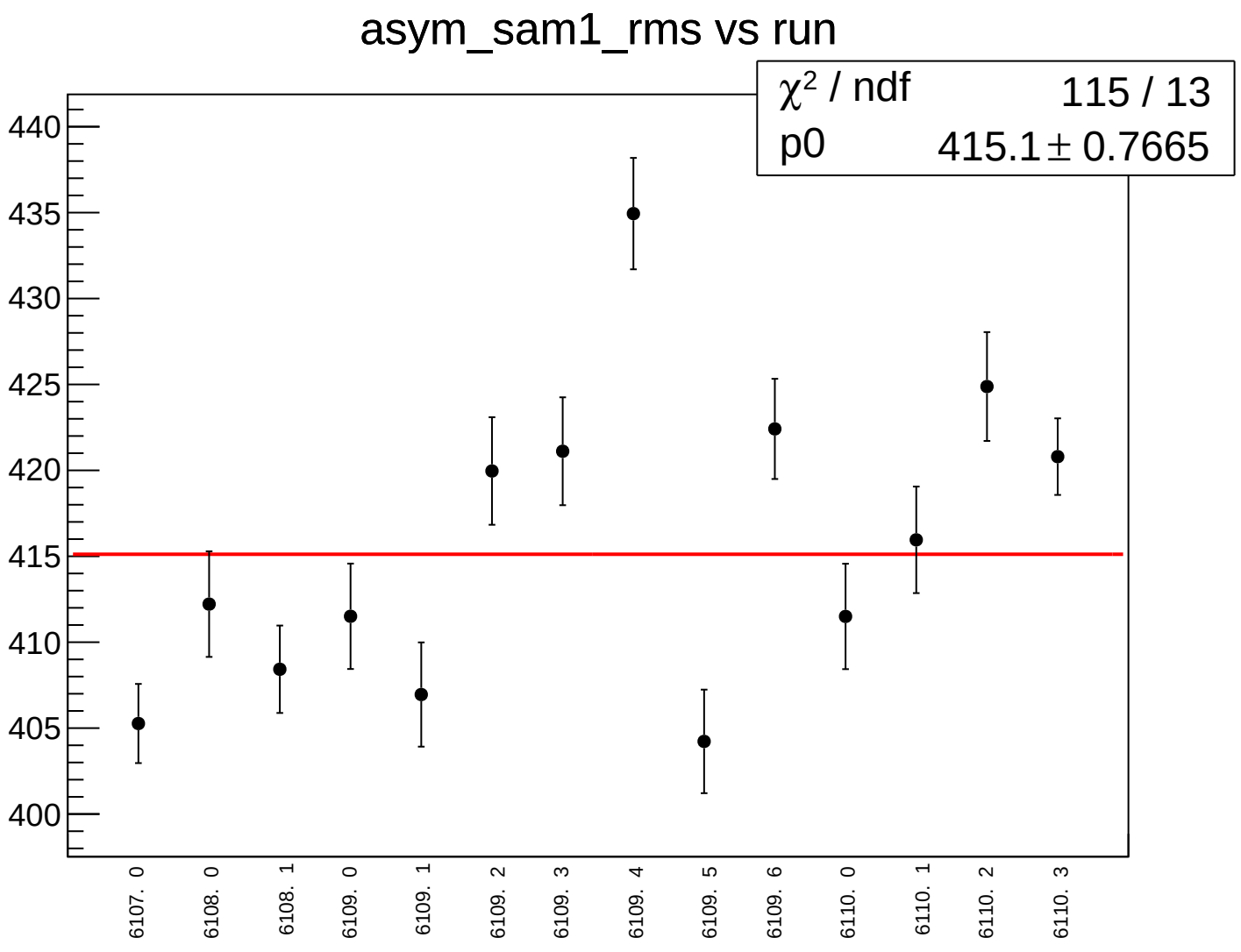

pull1D
Entries 14
Mean 0.009529
Std Dev 1.137
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

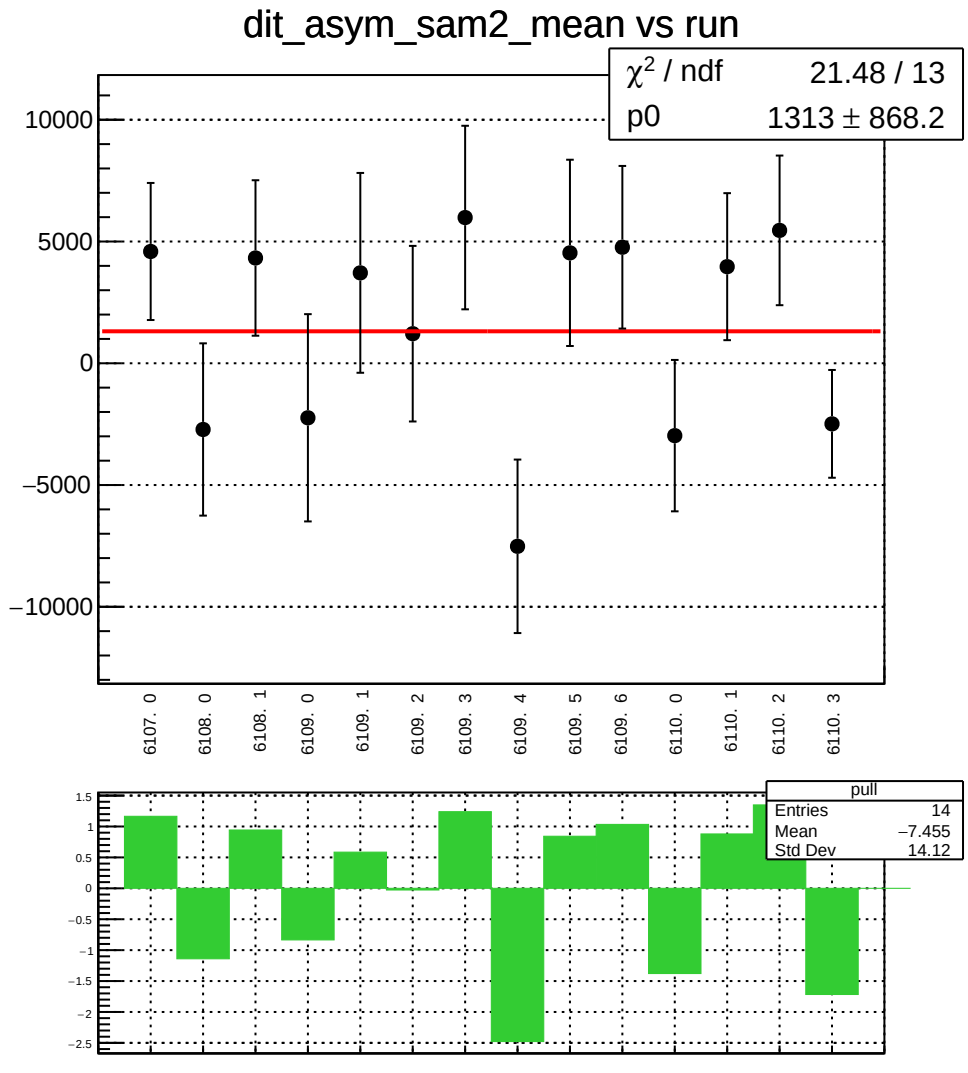

asym_sam1_correction_rms vs run
χ² / ndf 1686 / 13
p0 410.2 ± 0.7595
440
420
400
380
360
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

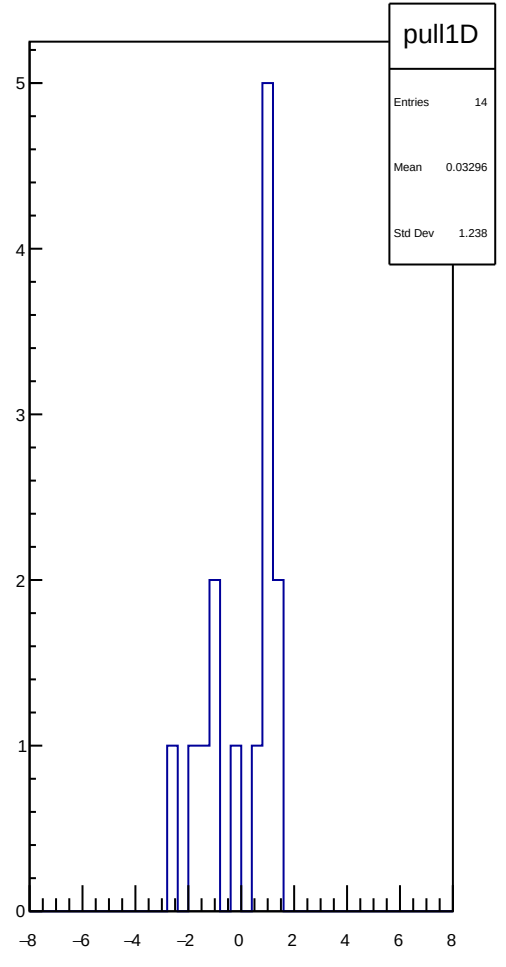

asym_sam1_mean vs run
χ² / ndf 13.48 / 13
p0 1263 ± 1084
15000
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

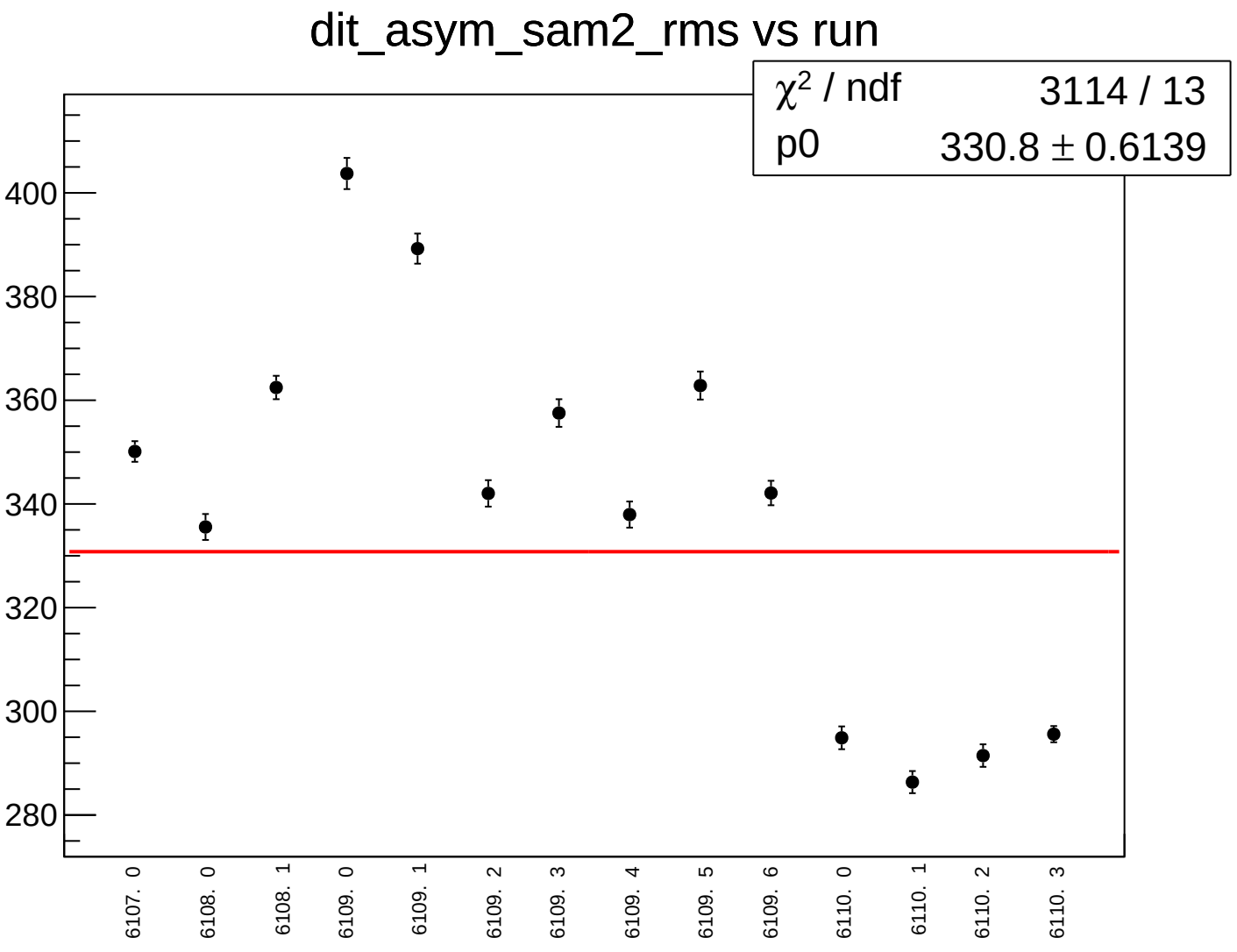

pull
Entries 14
Mean 2379
Std Dev 2372
2
1.5
1
0.5
0
−0.5
−1

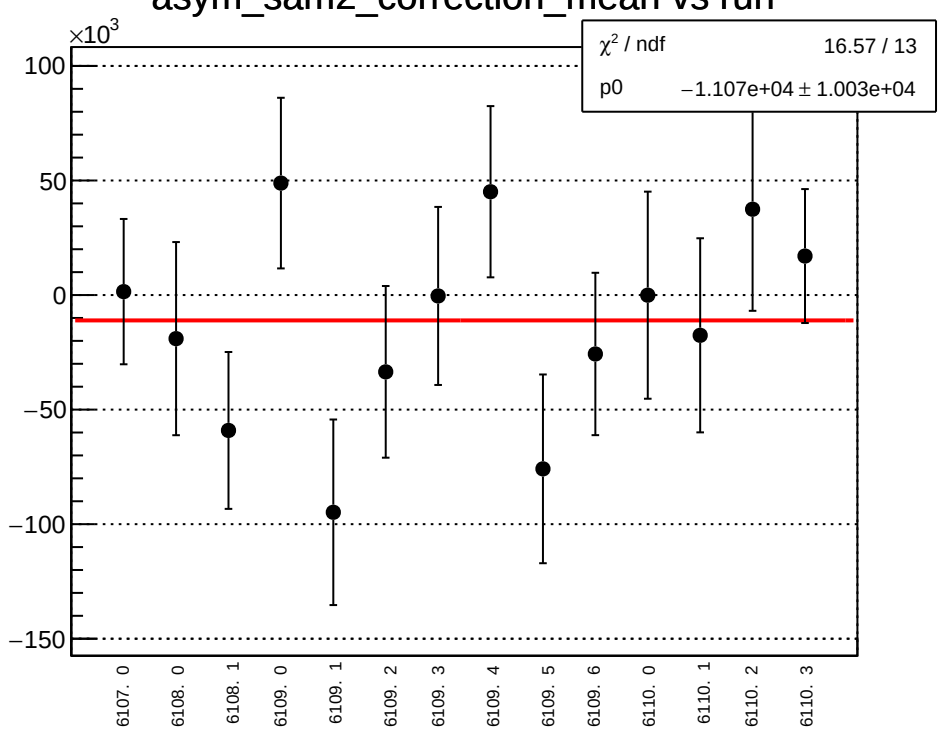

pull1D
Entries 14
Mean −0.0007093
Std Dev 0.9811
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

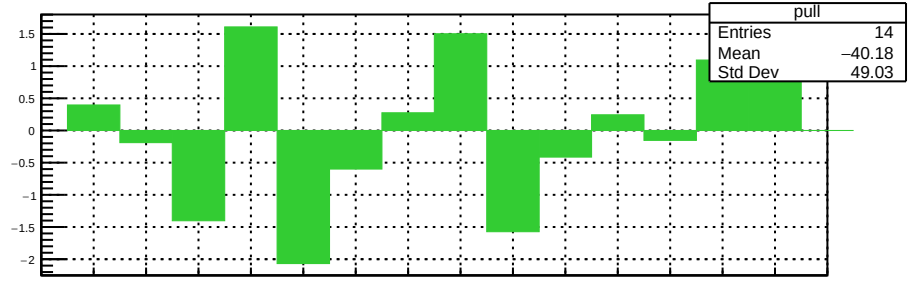

asym_sam1_rms vs run
χ² / ndf 115 / 13
p0 415.1 ± 0.7665
440
435
430
425
420
415
410
405
400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

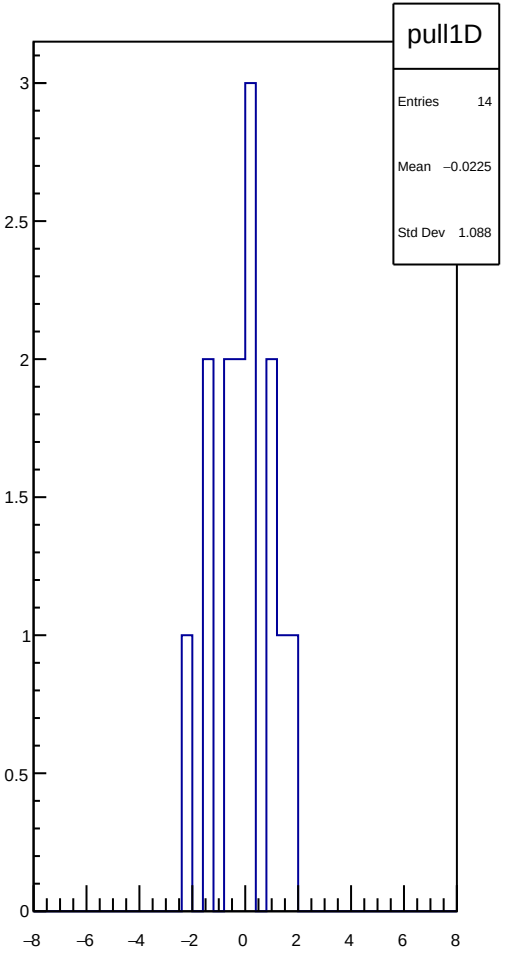

dit_asym_sam2_mean vs run
χ² / ndf 21.48 / 13
p0 1313 ± 868.2
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −7.455
Std Dev 14.12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

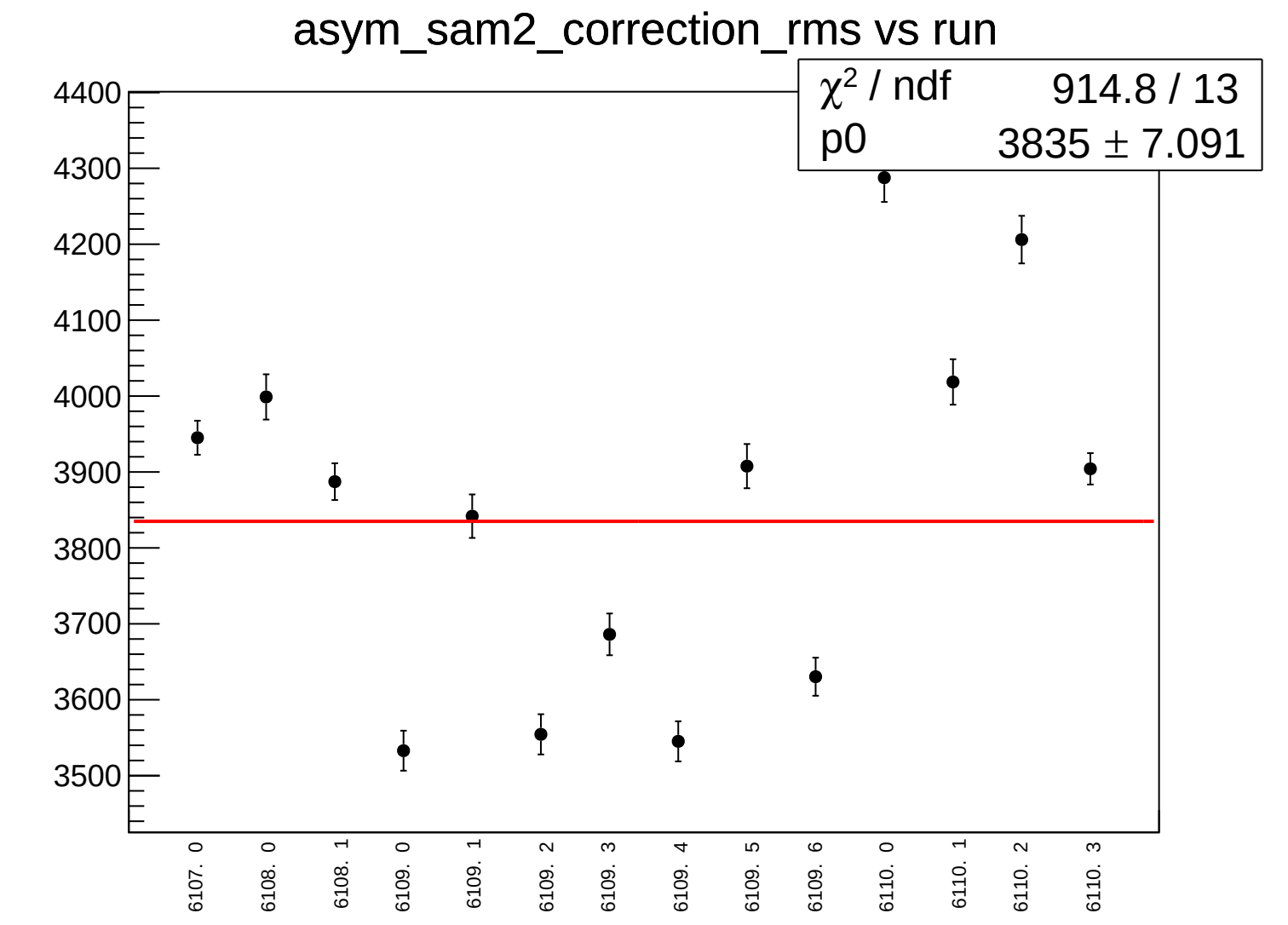

pull1D
Entries 14
Mean 0.03296
Std Dev 1.238
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

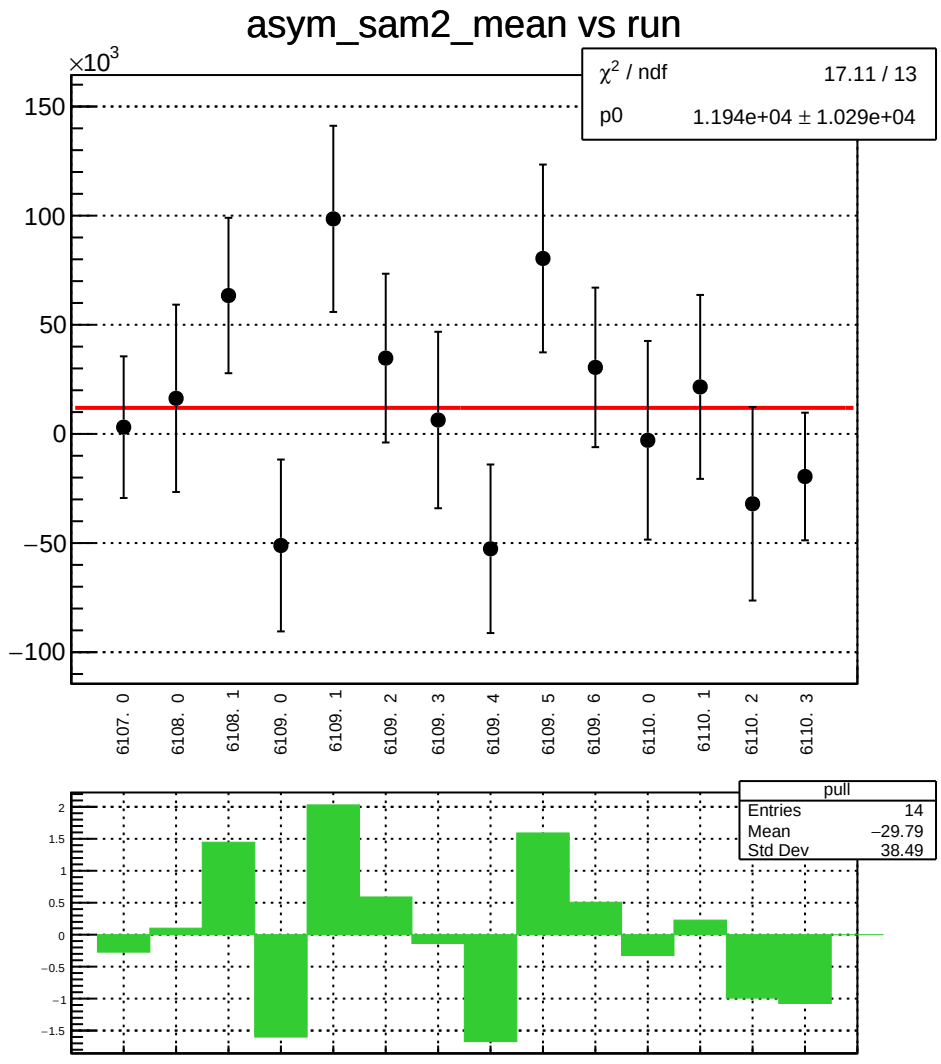

dit_asym_sam2_rms vs run
χ² / ndf 3114 / 13
p0 330.8 ± 0.6139
400
380
360
340
320
300
280
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

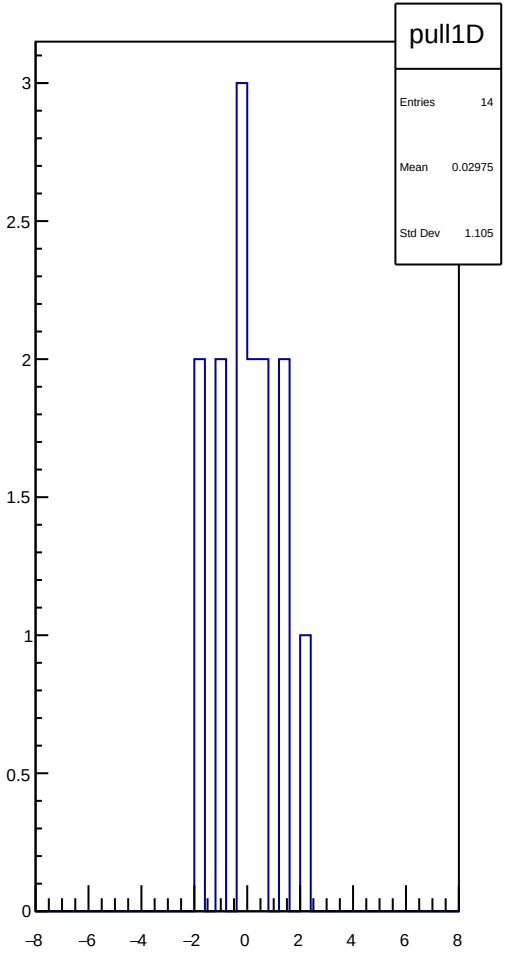

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 16.57 / 13
p0 −1.107e+04 ± 1.003e+04
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

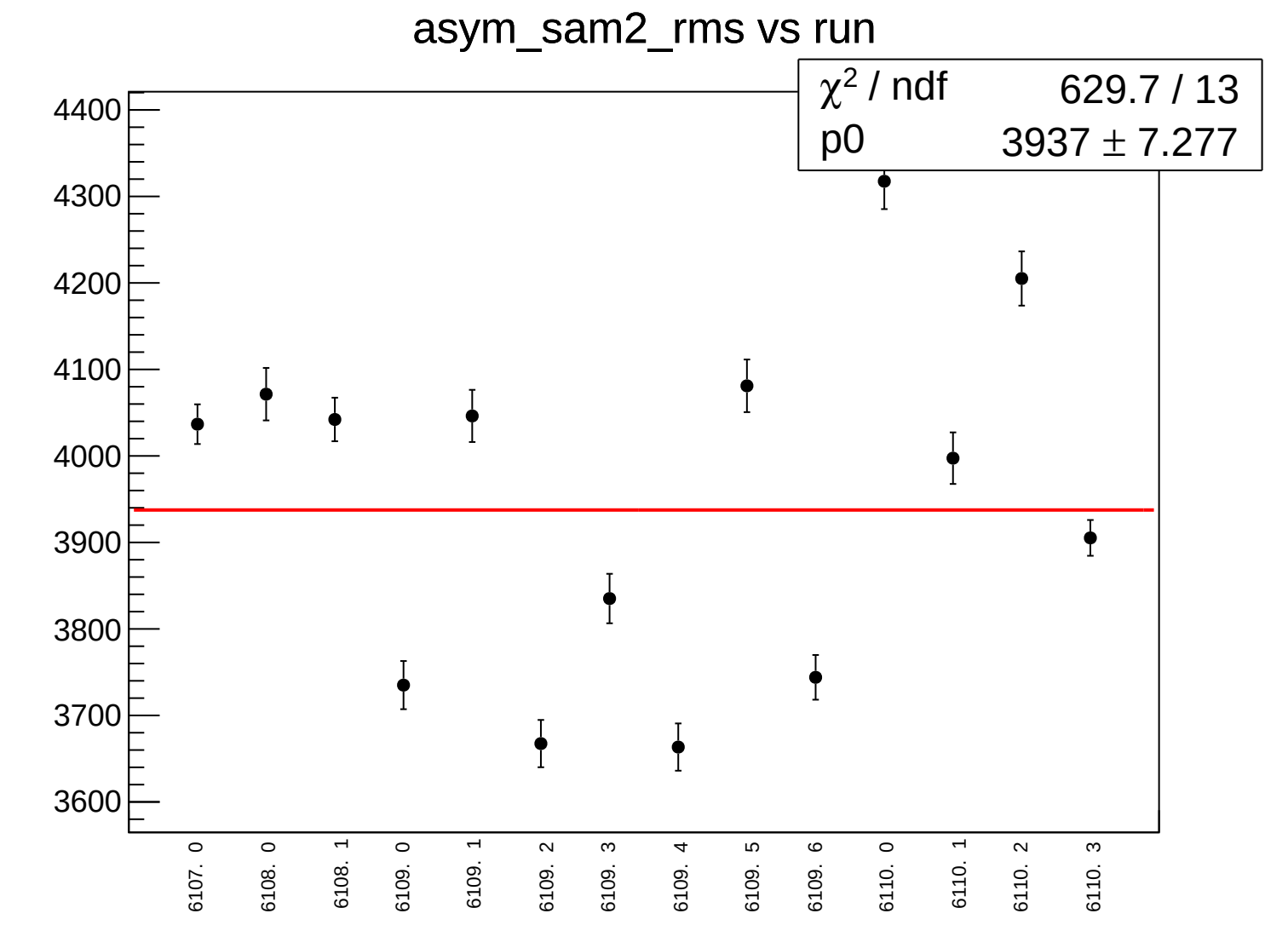

pull
Entries 14
Mean −40.18
Std Dev 49.03
1.5
1
0.5
0
−0.5
−1
−1.5
−2

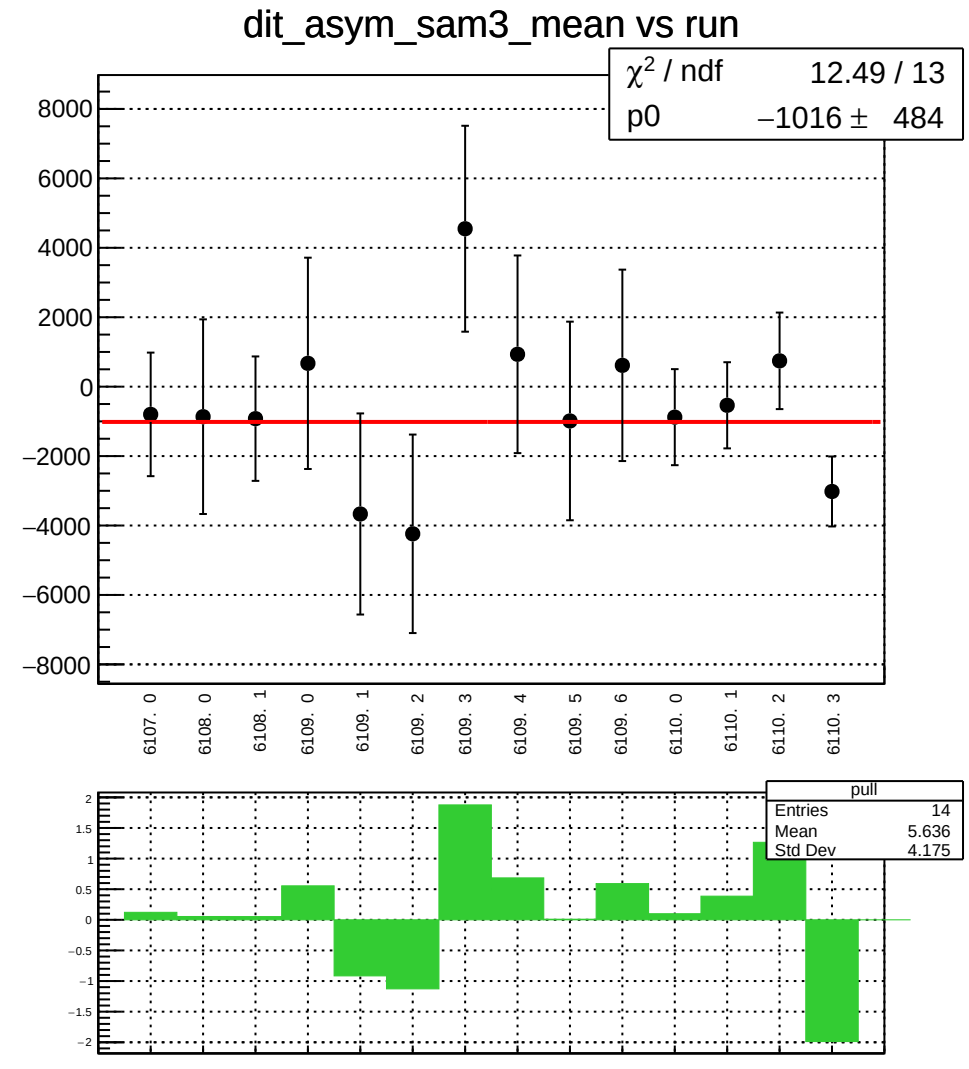

pull1D
Entries 14
Mean −0.0225
Std Dev 1.088
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

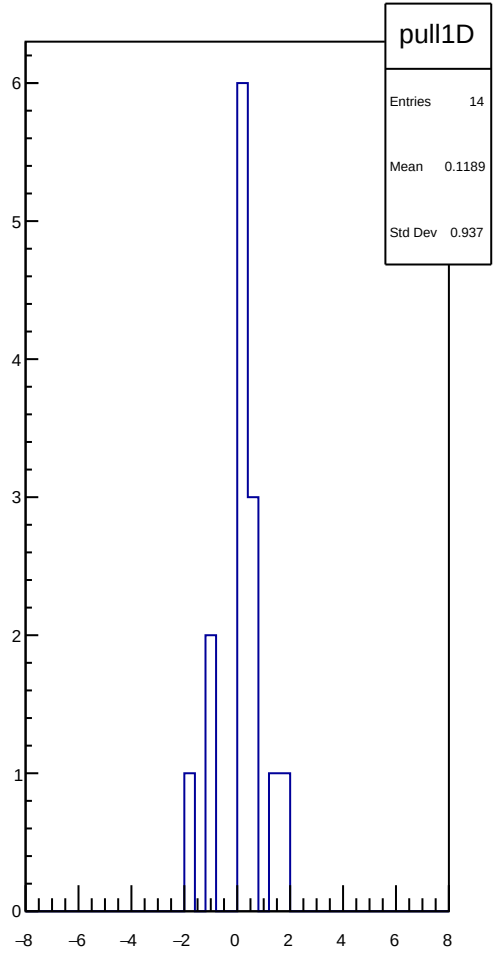

asym_sam2_correction_rms vs run
χ² / ndf 914.8 / 13
p0 3835 ± 7.091
4400
4300
4200
4100
4000
3900
3800
3700
3600
3500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

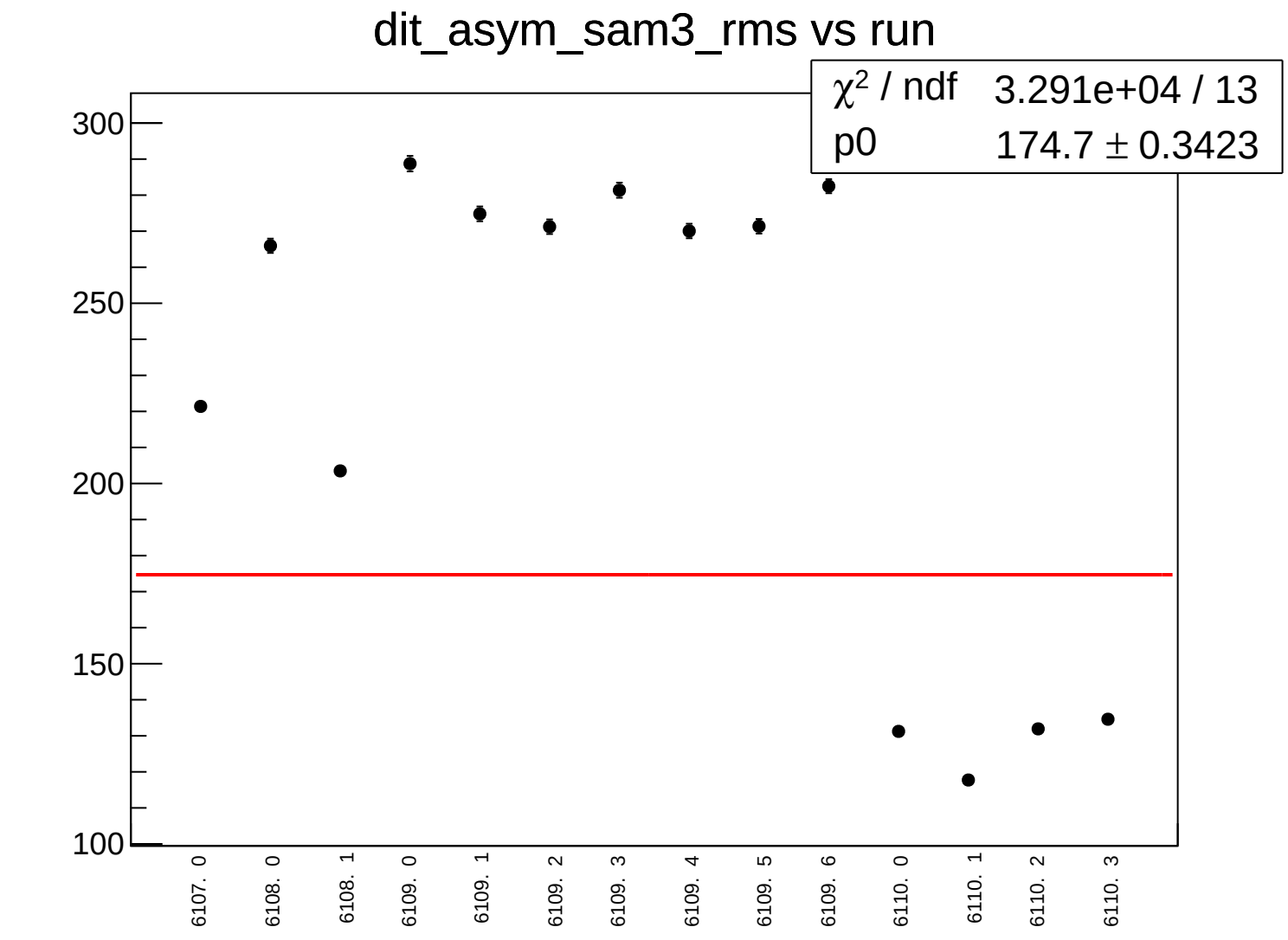

asym_sam2_mean vs run
×10^3
χ² / ndf 17.11 / 13
p0 1.194e+04 ± 1.029e+04
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −29.79
Std Dev 38.49
2
1.5
1
0.5
0
−0.5
−1
−1.5

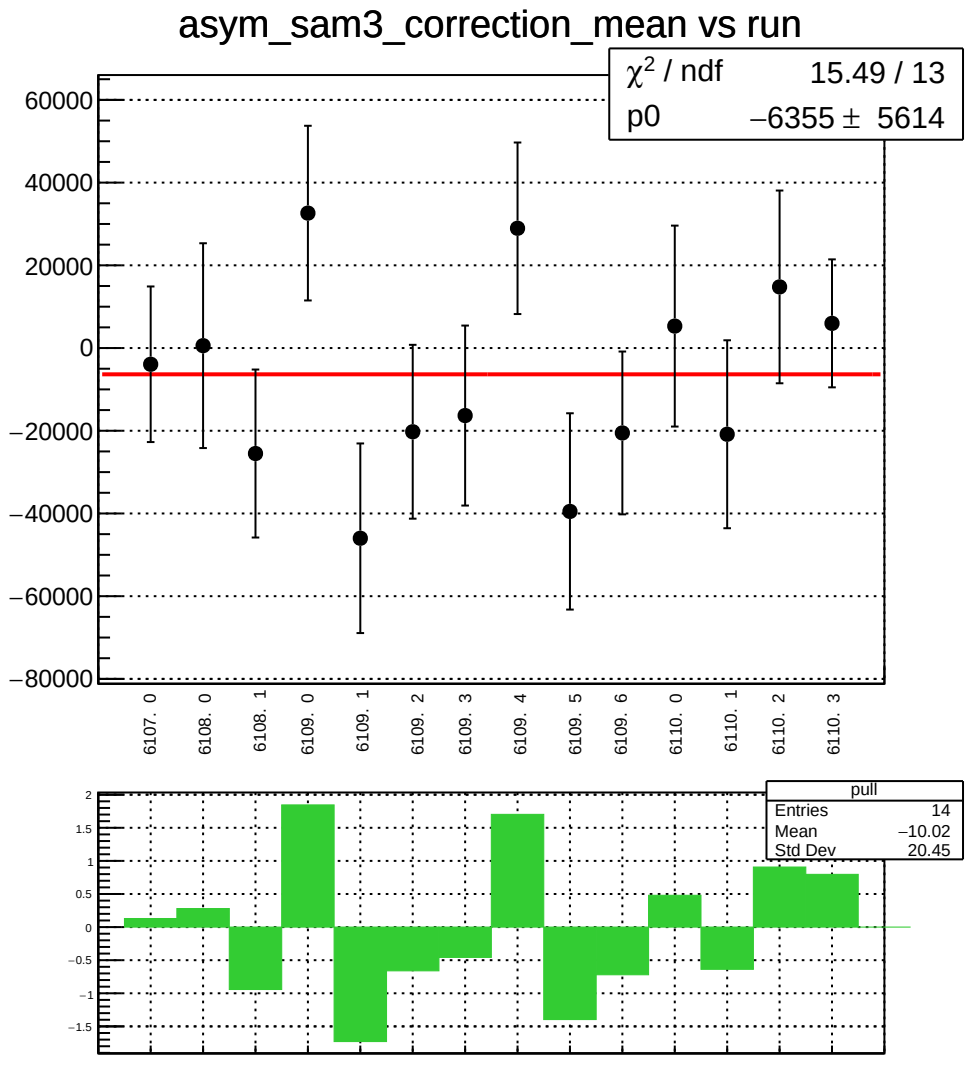

pull1D
Entries 14
Mean 0.02975
Std Dev 1.105
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

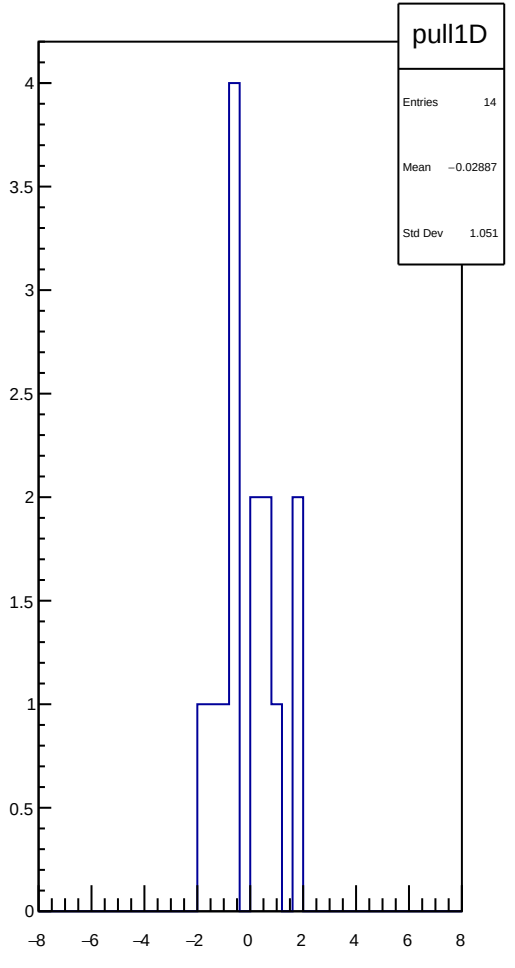

asym_sam2_rms vs run
χ² / ndf 629.7 / 13
p0 3937 ± 7.277
4400
4300
4200
4100
4000
3900
3800
3700
3600
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

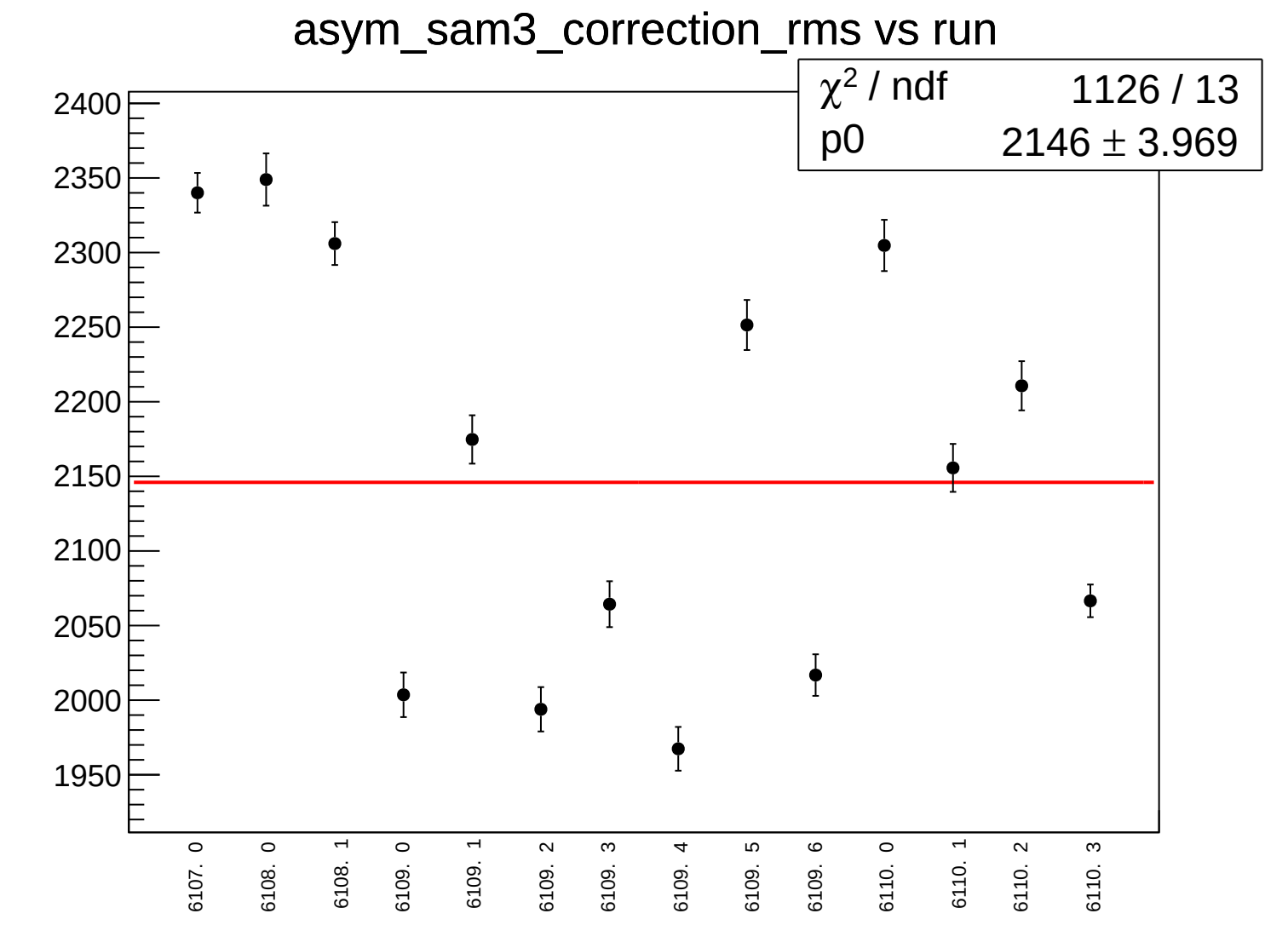

dit_asym_sam3_mean vs run
χ² / ndf 12.49 / 13
p0 −1016 ± 484
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.636
Std Dev 4.175
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

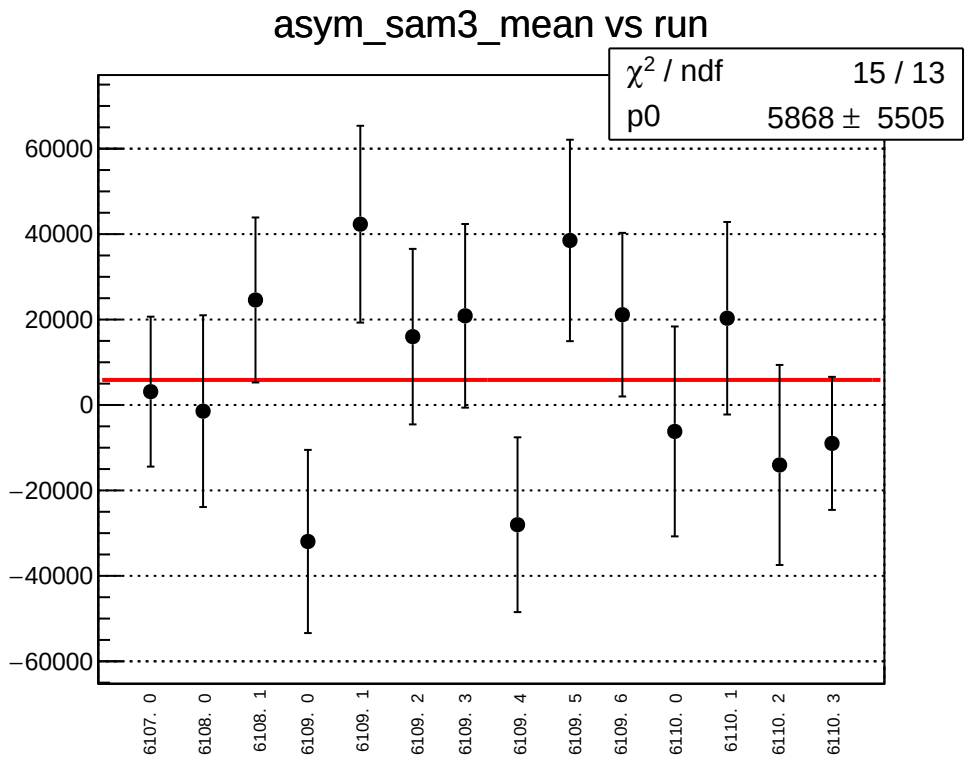

pull1D
Entries 14
Mean 0.1189
Std Dev 0.937
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

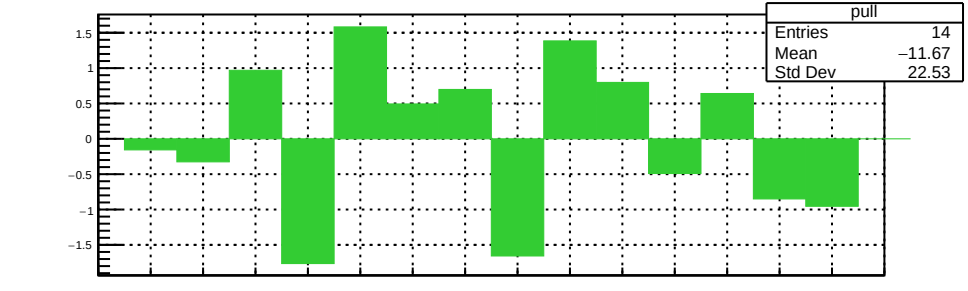

dit_asym_sam3_rms vs run
χ² / ndf 3.291e+04 / 13
p0 174.7 ± 0.3423
300
250
200
150
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

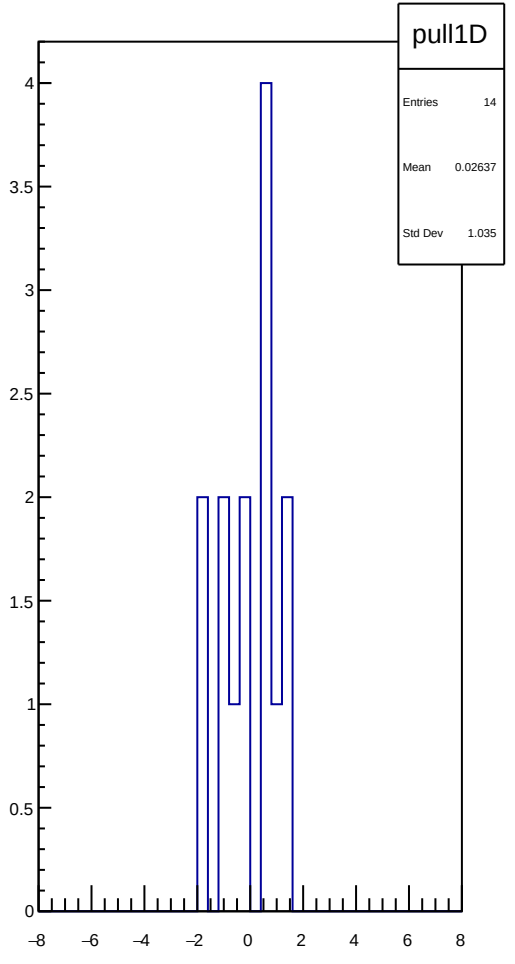

asym_sam3_correction_mean vs run
χ² / ndf 15.49 / 13
p0 −6355 ± 5614
60000
40000
20000
0
−20000
−40000
−60000
−80000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −10.02
Std Dev 20.45
2
1.5
1
0.5
0
−0.5
−1
−1.5

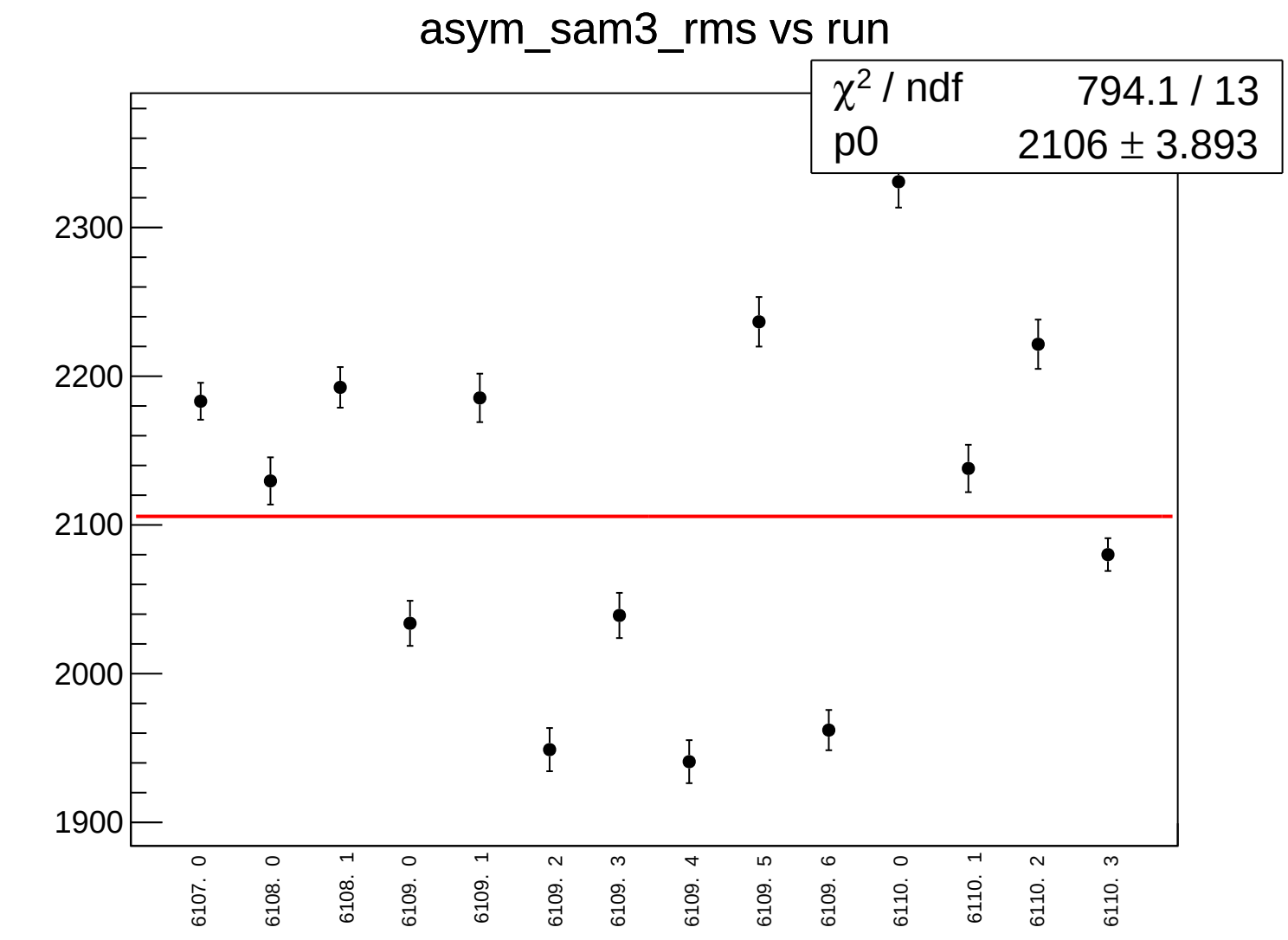

pull1D
Entries 14
Mean −0.02887
Std Dev 1.051
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

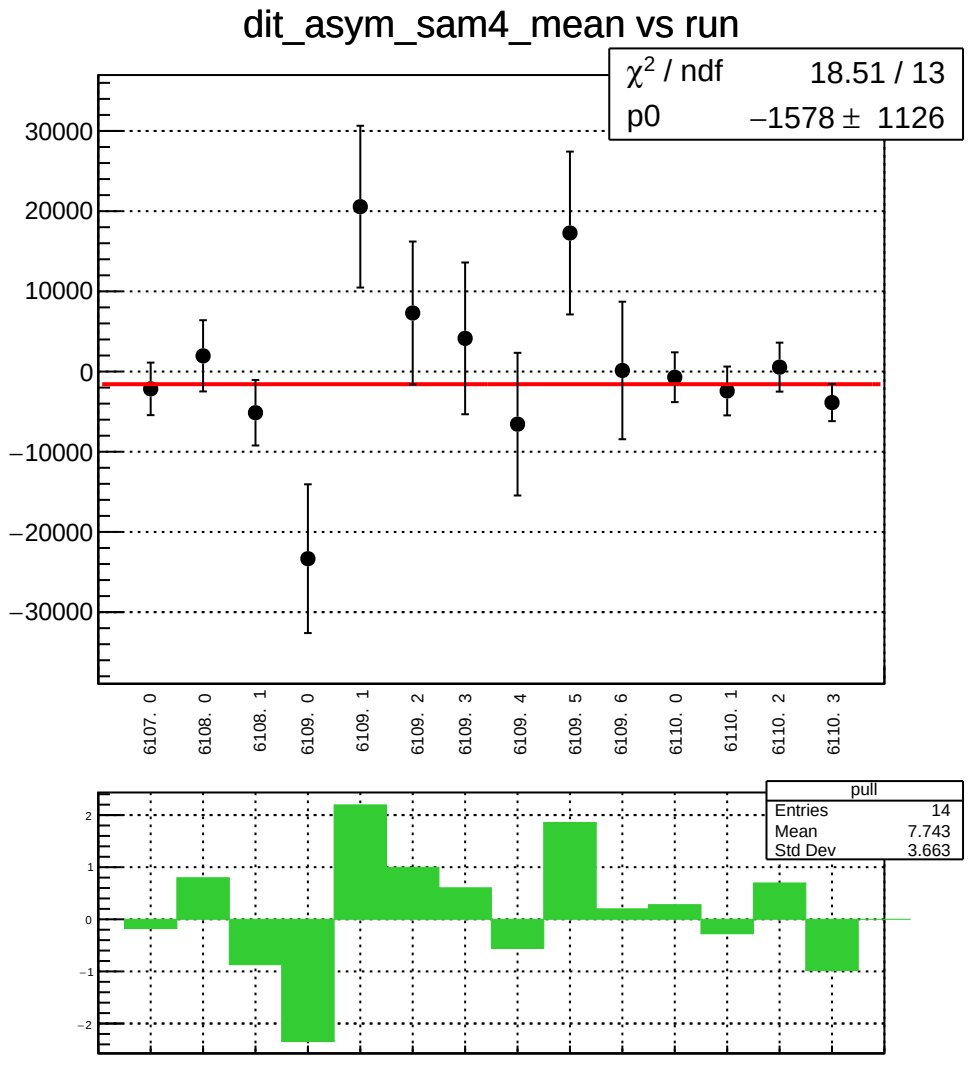

asym_sam3_correction_rms vs run
χ² / ndf 1126 / 13
p0 2146 ± 3.969
2400
2350
2300
2250
2200
2150
2100
2050
2000
1950
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

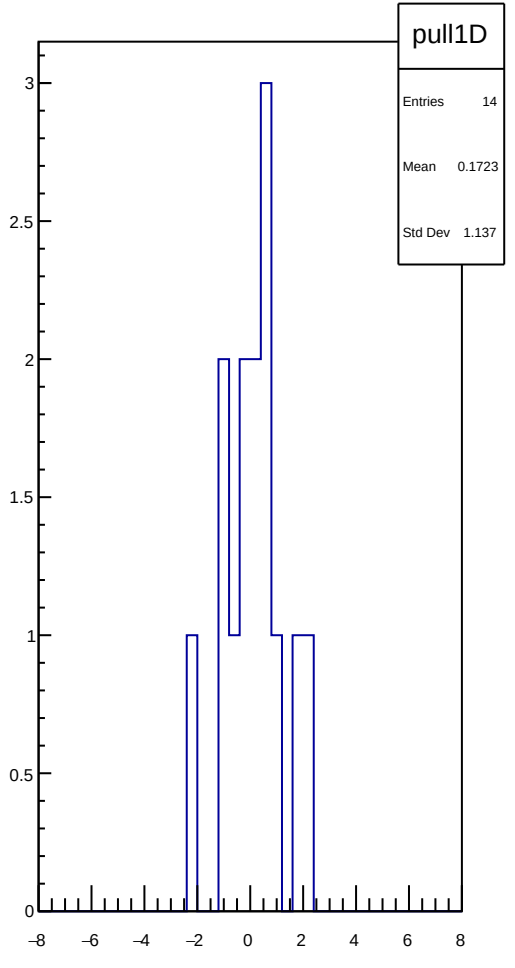

asym_sam3_mean vs run
χ² / ndf 15 / 13
p0 5868 ± 5505
60000
40000
20000
0
−20000
−40000
−60000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

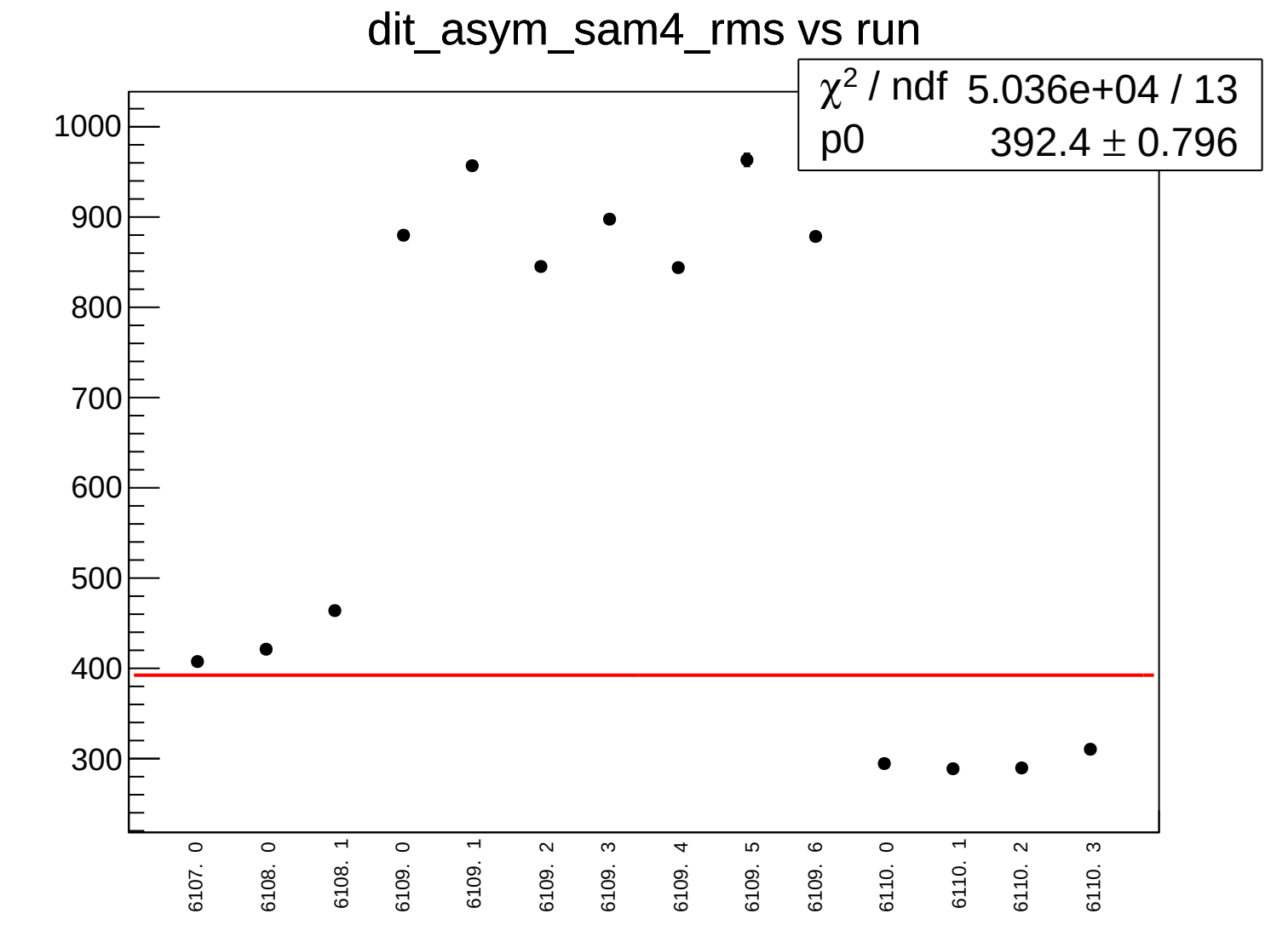

pull
Entries 14
Mean −11.67
Std Dev 22.53
1.5
1
0.5
0
−0.5
−1
−1.5

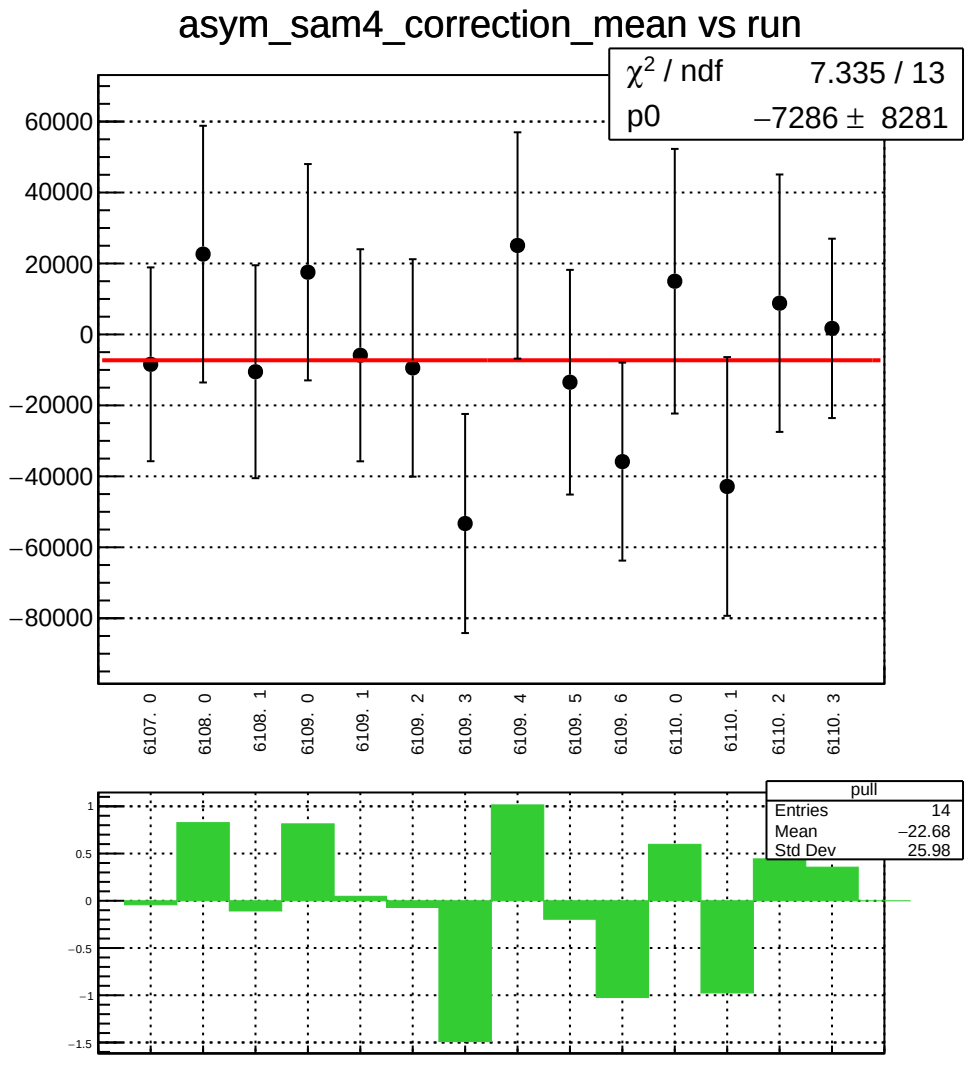

pull1D
Entries 14
Mean 0.02637
Std Dev 1.035
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

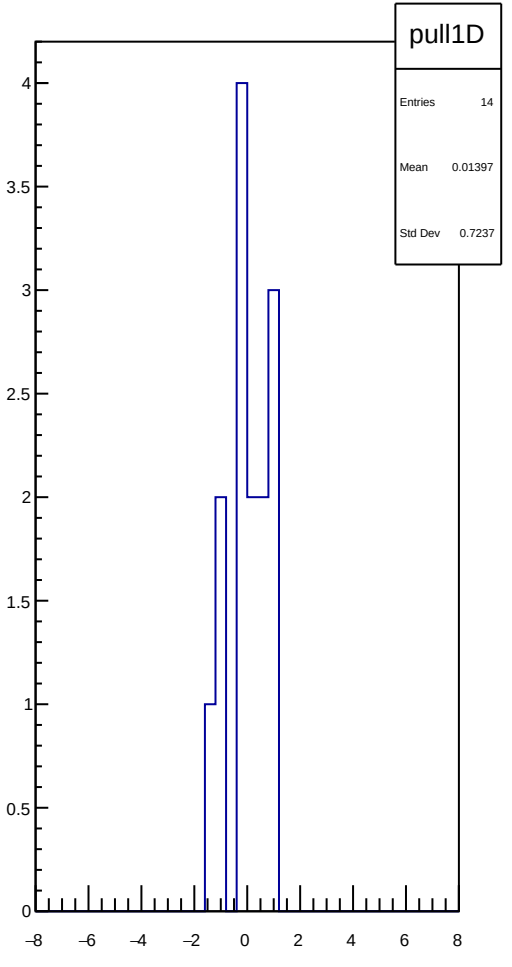

asym_sam3_rms vs run
χ² / ndf 794.1 / 13
p0 2106 ± 3.893
2300
2200
2100
2000
1900
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

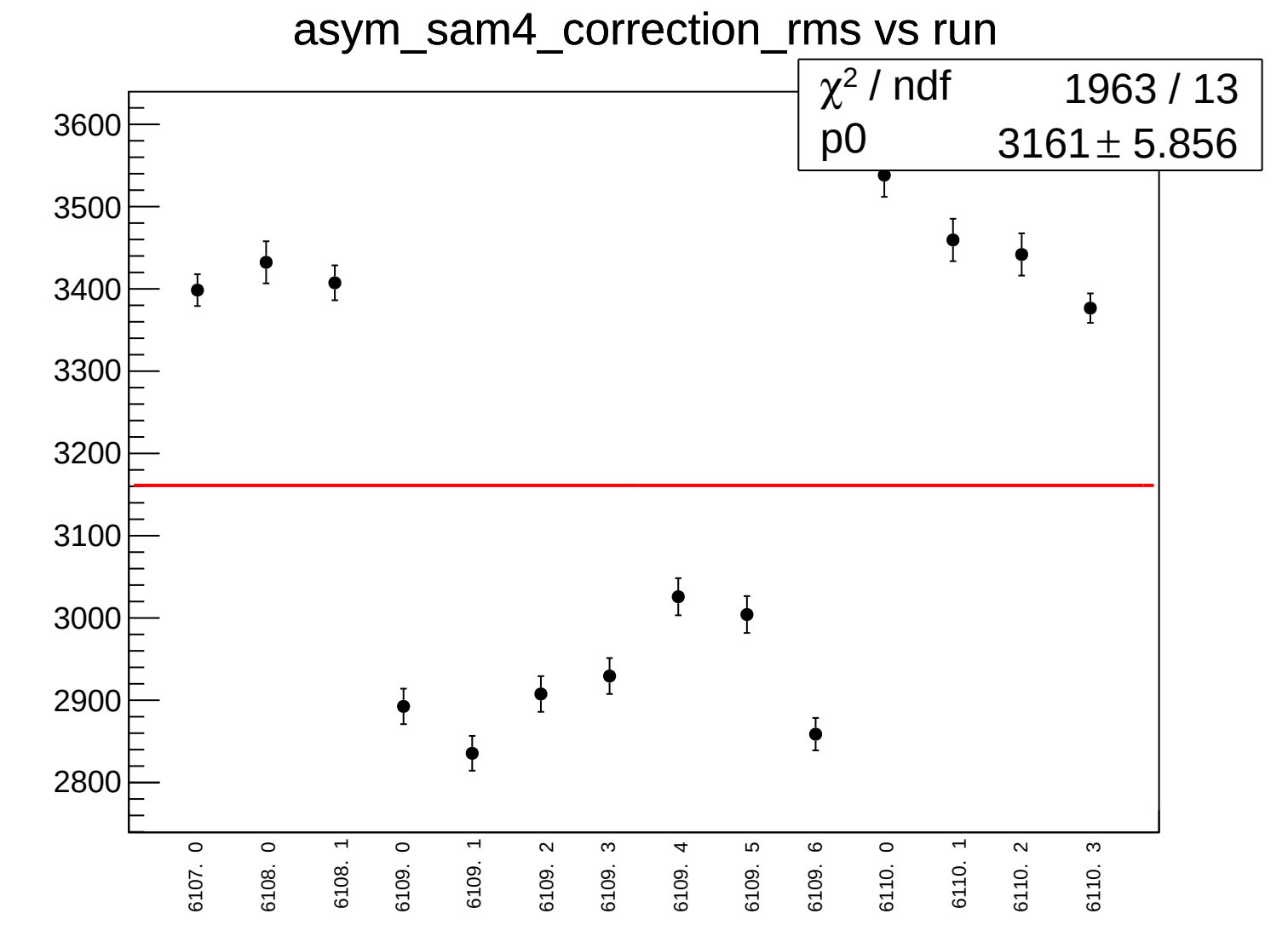

dit_asym_sam4_mean vs run
χ² / ndf 18.51 / 13
p0 −1578 ± 1126
30000
20000
10000
0
−10000
−20000
−30000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 7.743
Std Dev 3.663
2
1
0
−1
−2

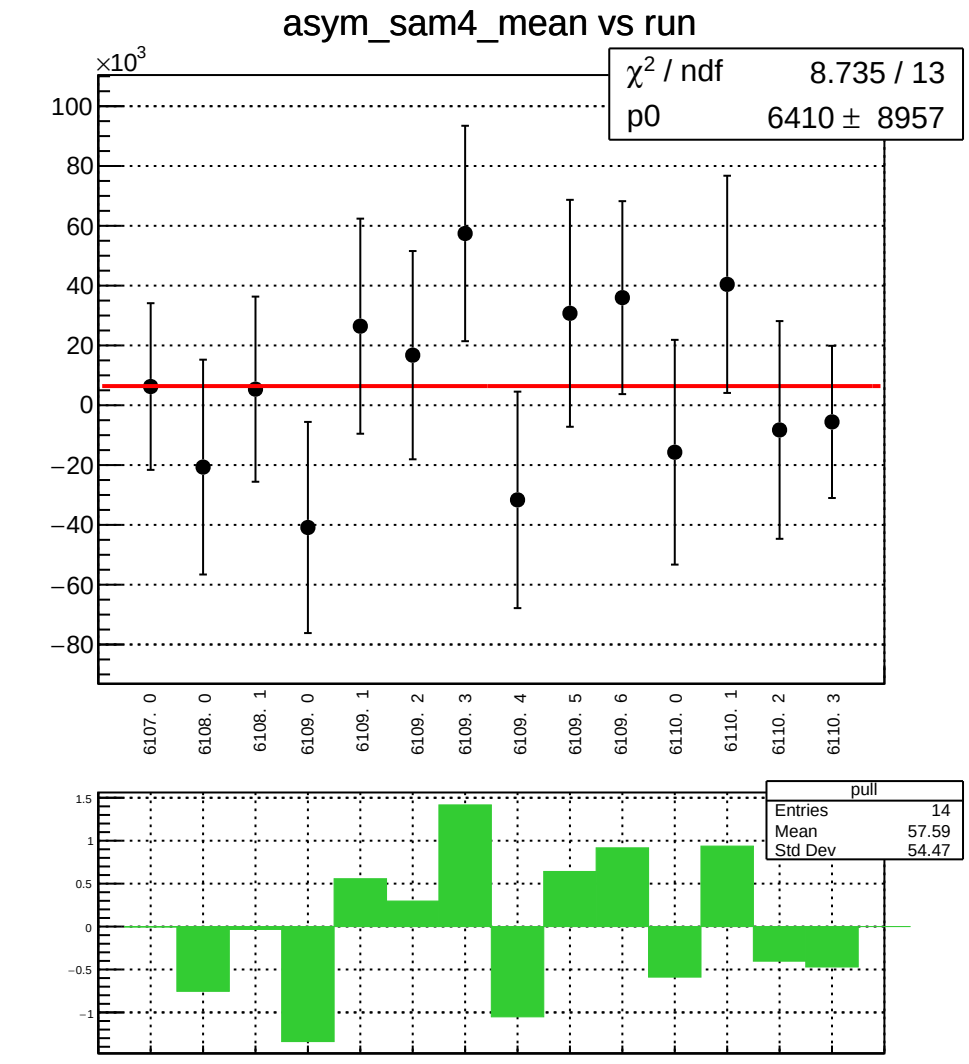

pull1D
Entries 14
Mean 0.1723
Std Dev 1.137
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

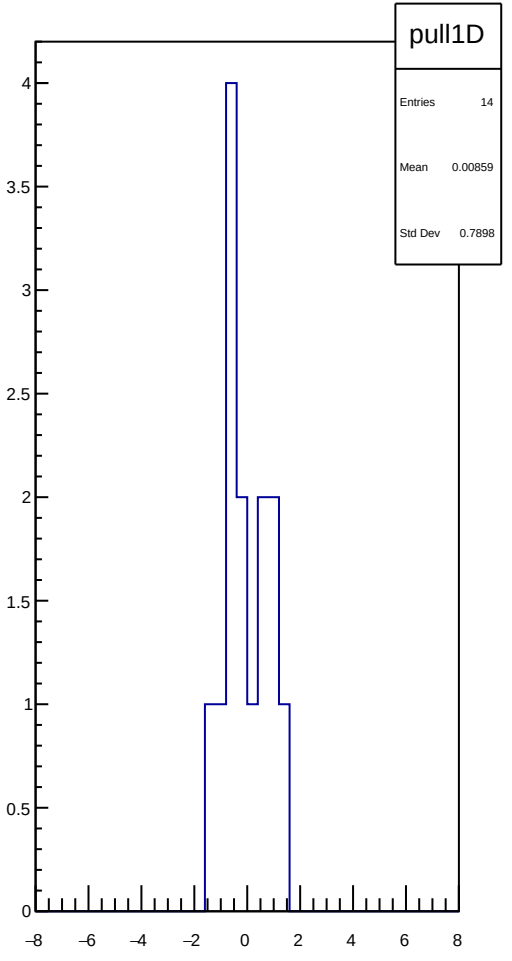

dit_asym_sam4_rms vs run
χ² / ndf 5.036e+04 / 13
p0 392.4 ± 0.796
1000
900
800
700
600
500
400
300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

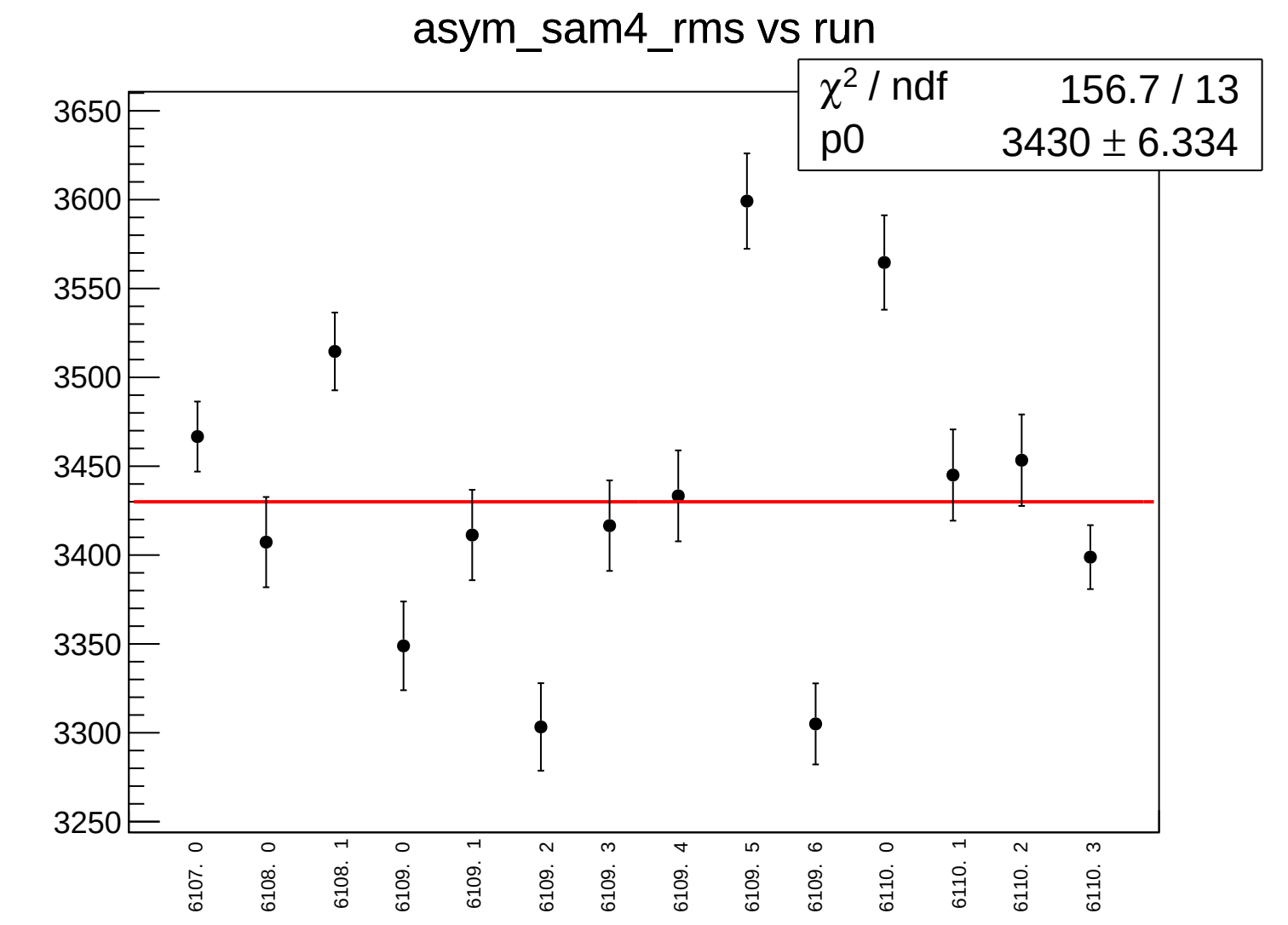

asym_sam4_correction_mean vs run
χ² / ndf 7.335 / 13
p0 −7286 ± 8281
60000
40000
20000
0
−20000
−40000
−60000
−80000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −22.68
Std Dev 25.98
1
0.5
0
−0.5
−1
−1.5

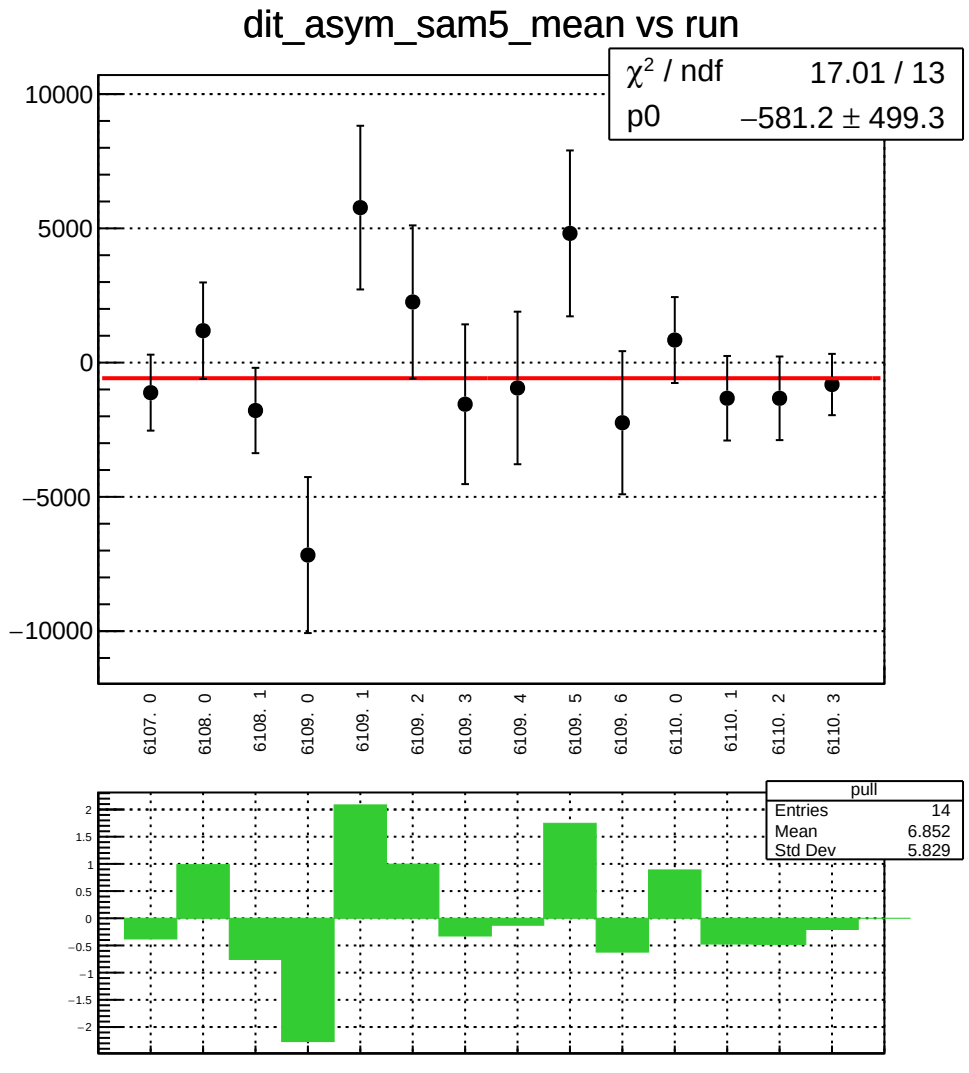

pull1D
Entries 14
Mean 0.01397
Std Dev 0.7237
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

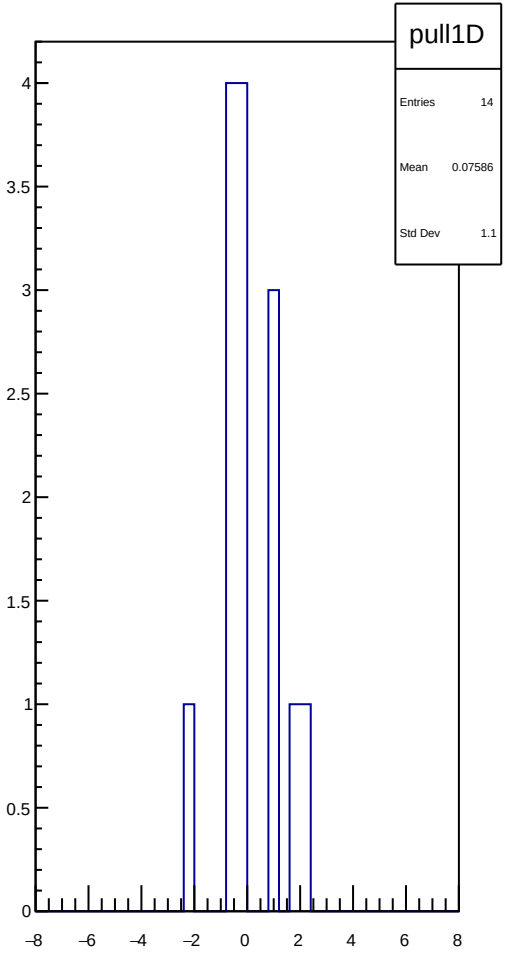

asym_sam4_correction_rms vs run
χ² / ndf 1963 / 13
p0 3161 ± 5.856
3600
3500
3400
3300
3200
3100
3000
2900
2800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

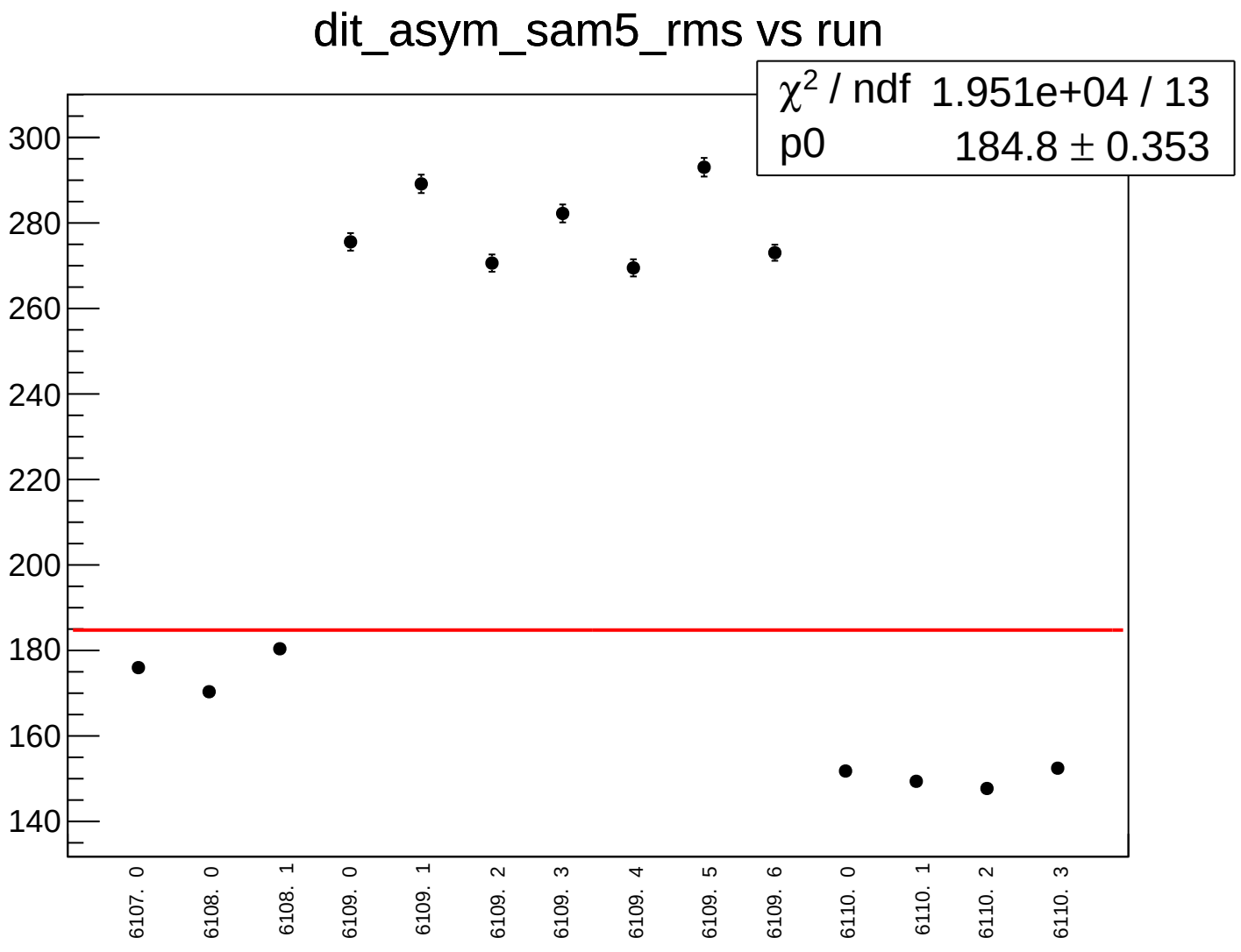

asym_sam4_mean vs run
×10^3
χ^2 / ndf 8.735 / 13
p0 6410 ± 8957
100
80
60
40
20
0
−20
−40
−60
−80
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 57.59
Std Dev 54.47
1.5
1
0.5
0
−0.5
−1

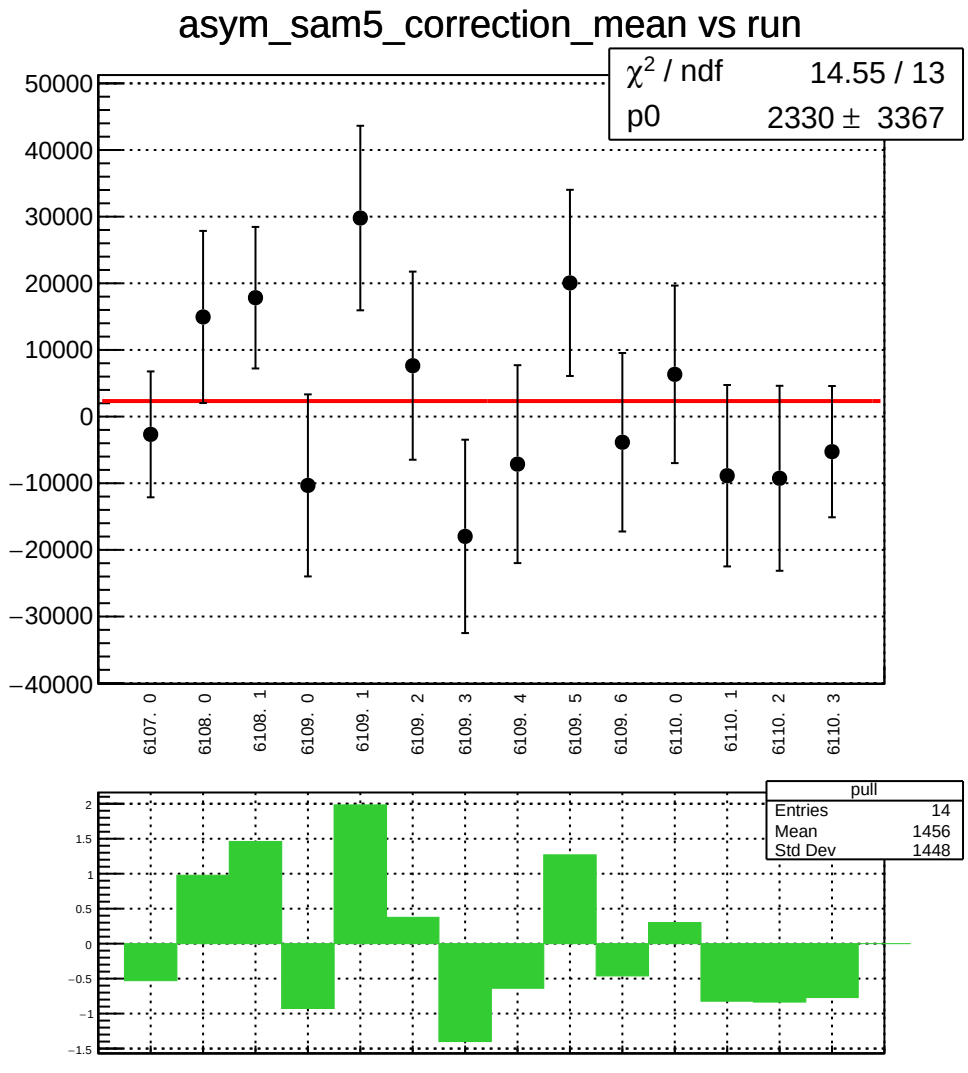

pull1D
Entries 14
Mean 0.00859
Std Dev 0.7898
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

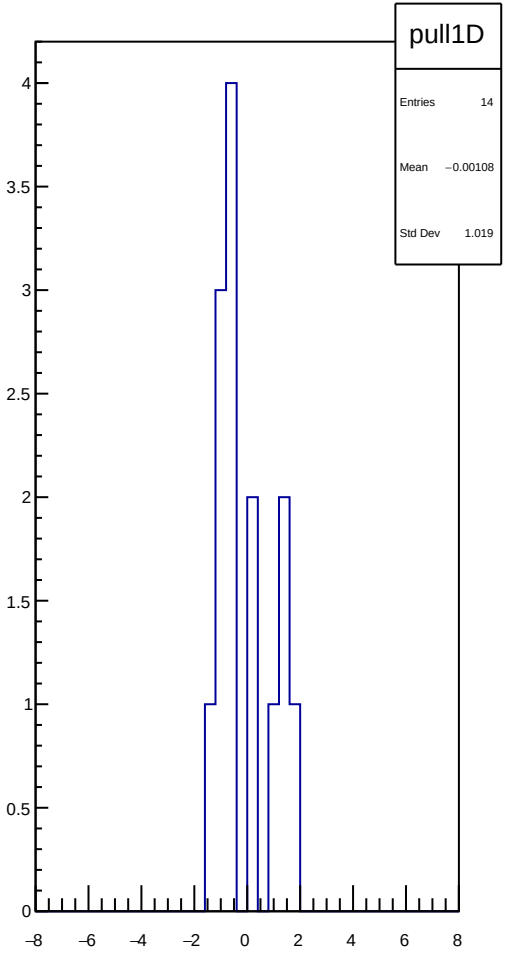

asym_sam4_rms vs run
χ² / ndf 156.7 / 13
p0 3430 ± 6.334
3650
3600
3550
3500
3450
3400
3350
3300
3250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

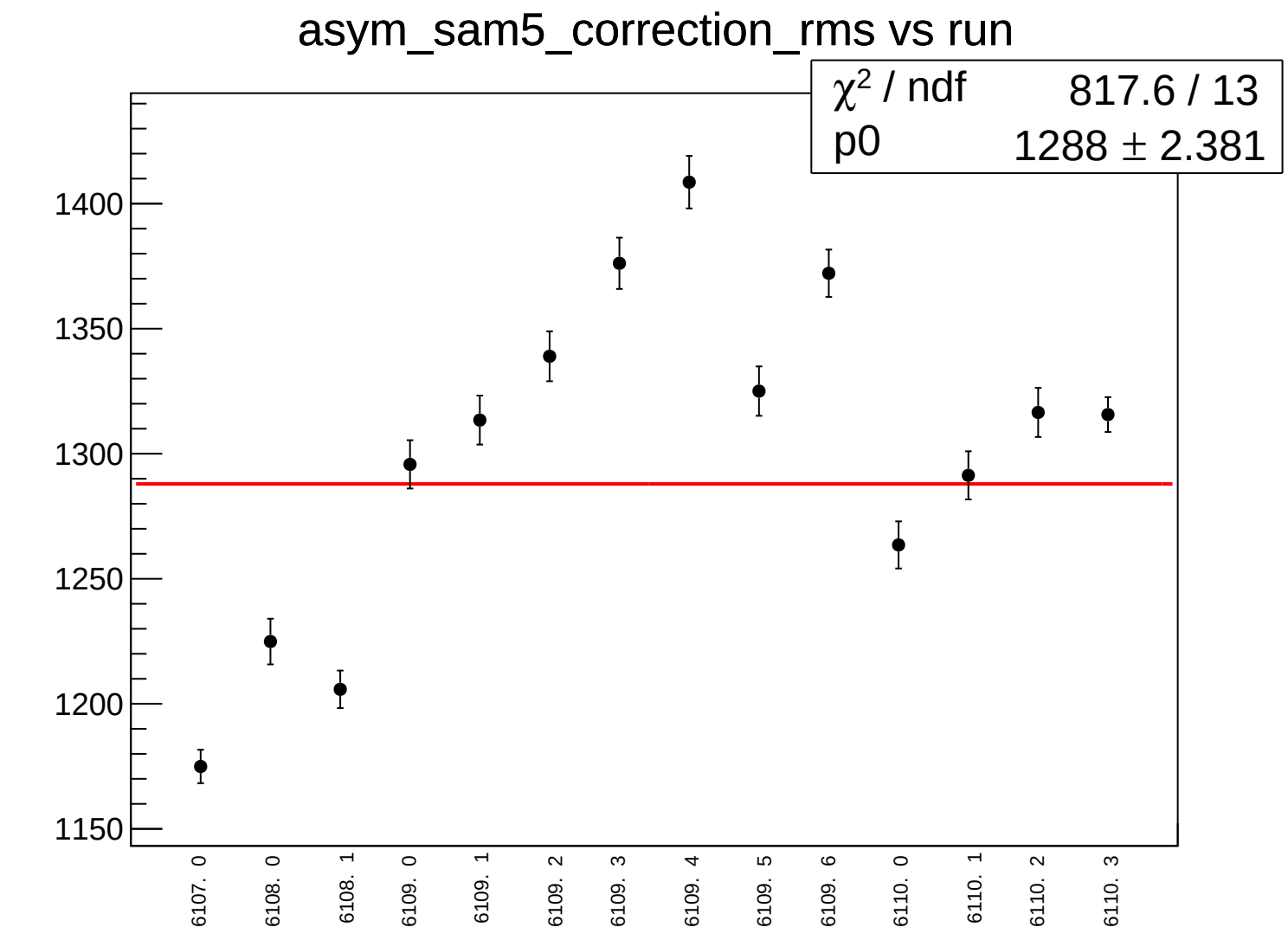

dit_asym_sam5_mean vs run
χ² / ndf 17.01 / 13
p0 −581.2 ± 499.3
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 6.852
Std Dev 5.829
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

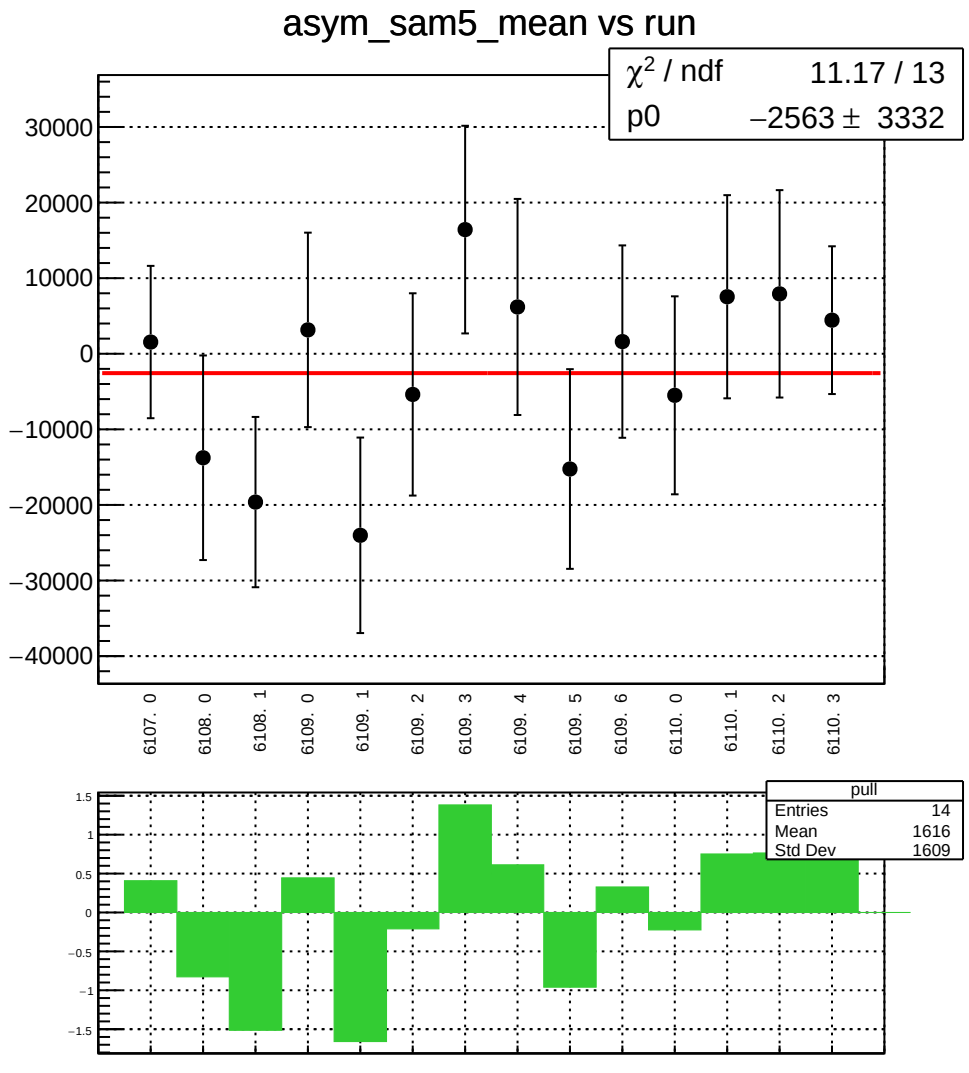

pull1D
Entries 14
Mean 0.07586
Std Dev 1.1
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

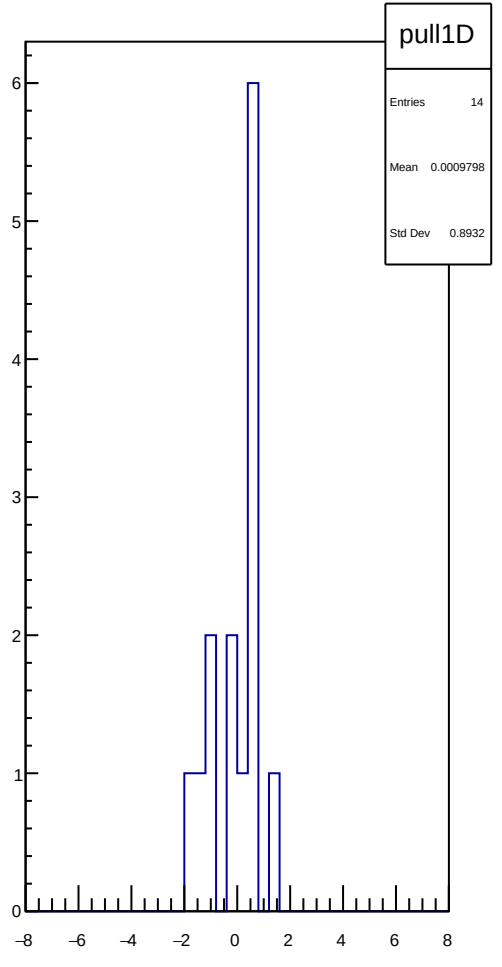

dit_asym_sam5_rms vs run
χ² / ndf 1.951e+04 / 13
p0 184.8 ± 0.353
300
280
260
240
220
200
180
160
140
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

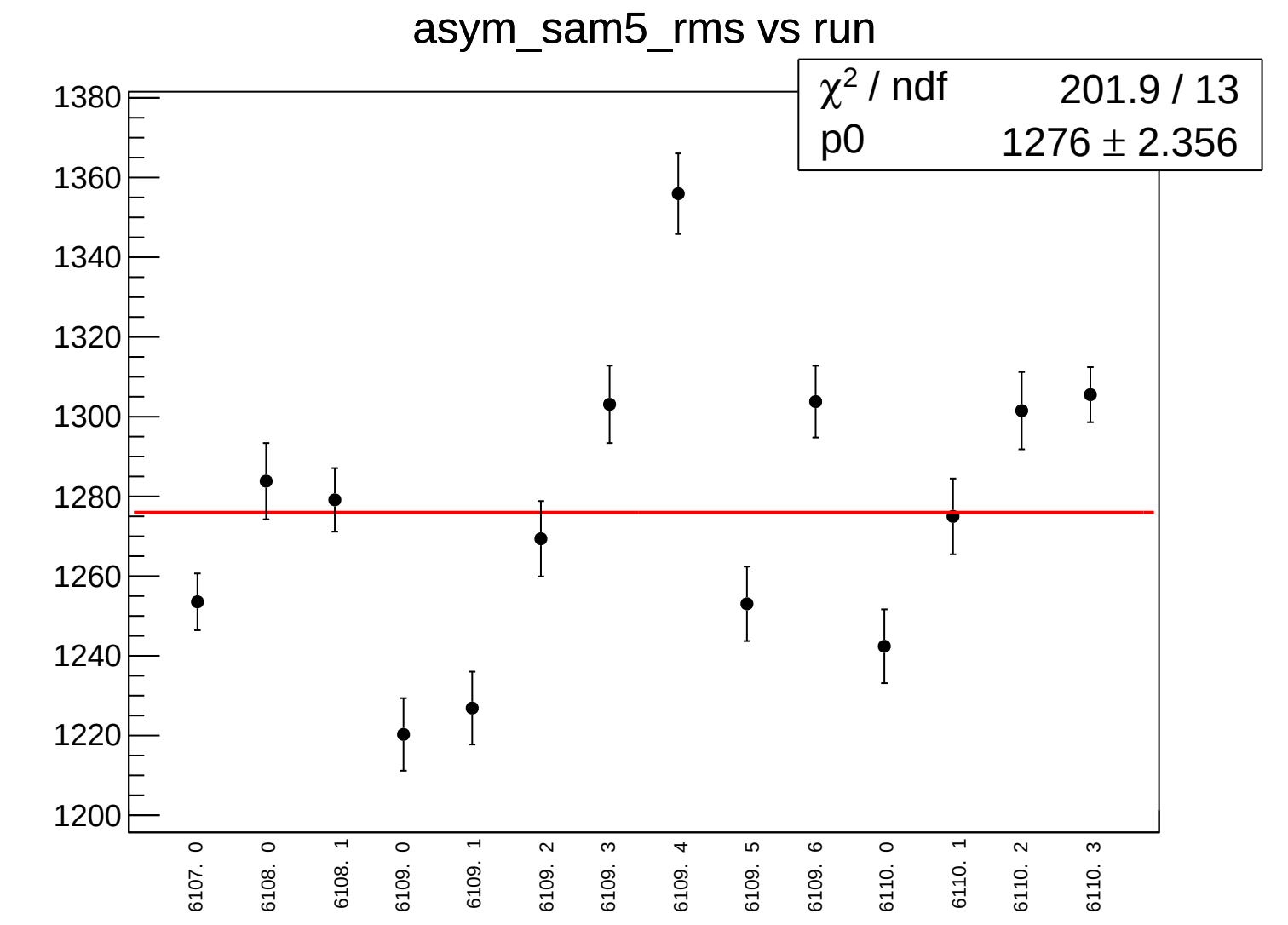

asym_sam5_correction_mean vs run
χ² / ndf 14.55 / 13
p0 2330 ± 3367
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1456
Std Dev 1448
2
1.5
1
0.5
0
−0.5
−1
−1.5

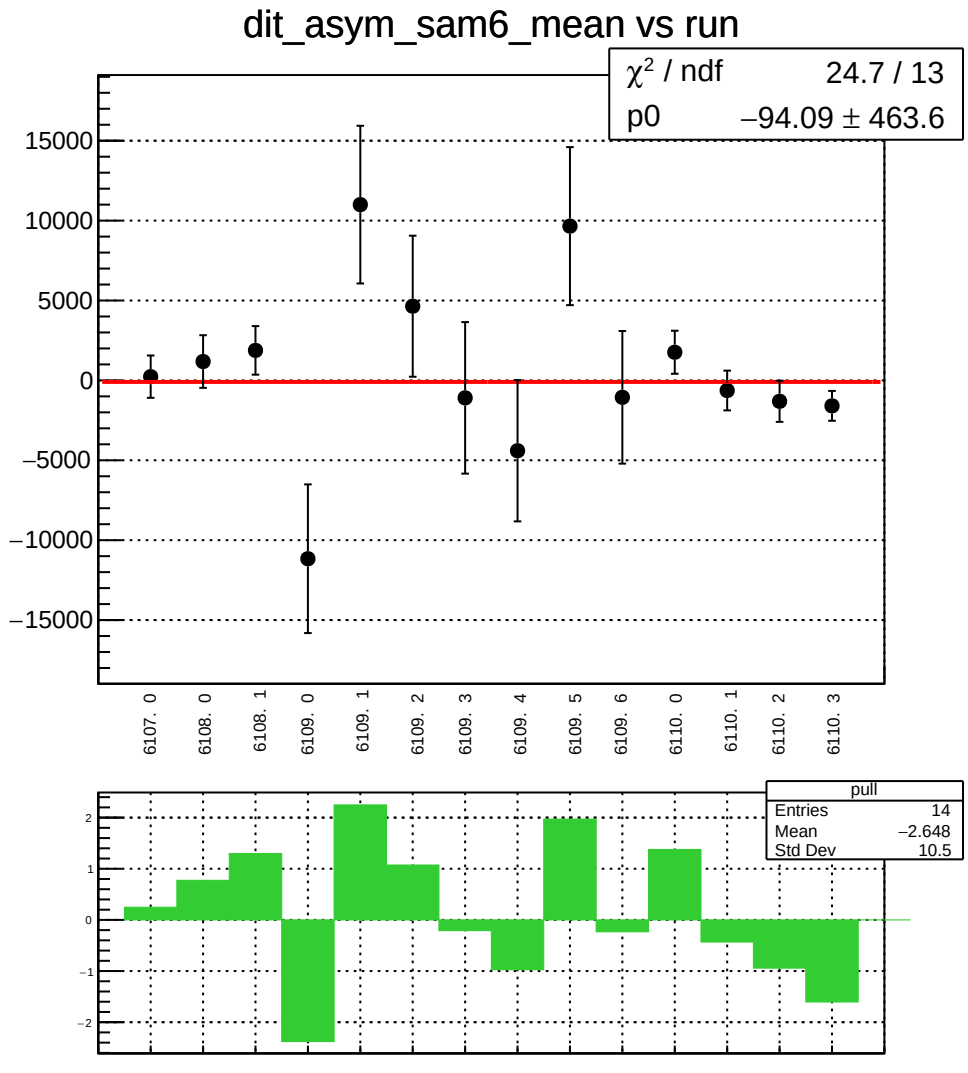

pull1D
Entries 14
Mean −0.00108
Std Dev 1.019
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

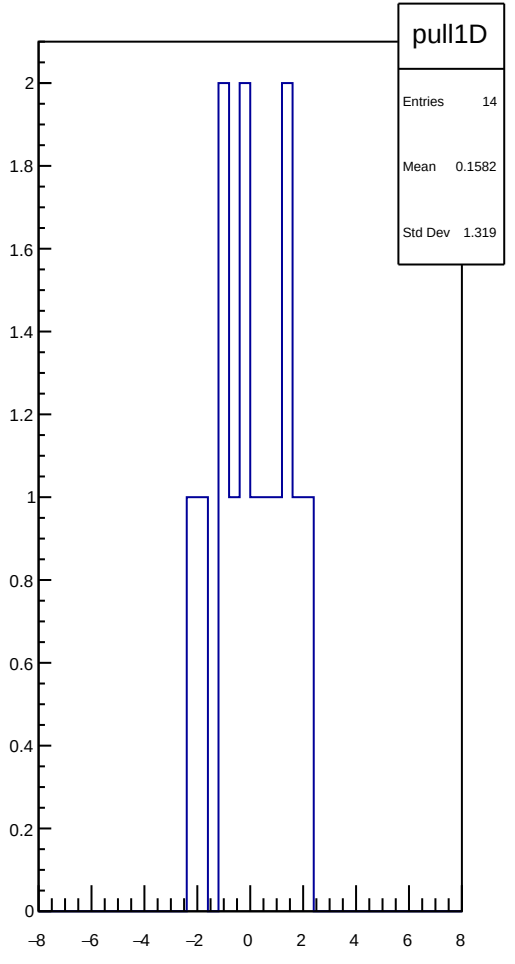

asym_sam5_correction_rms vs run
χ² / ndf 817.6 / 13
p0 1288 ± 2.381
1400
1350
1300
1250
1200
1150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

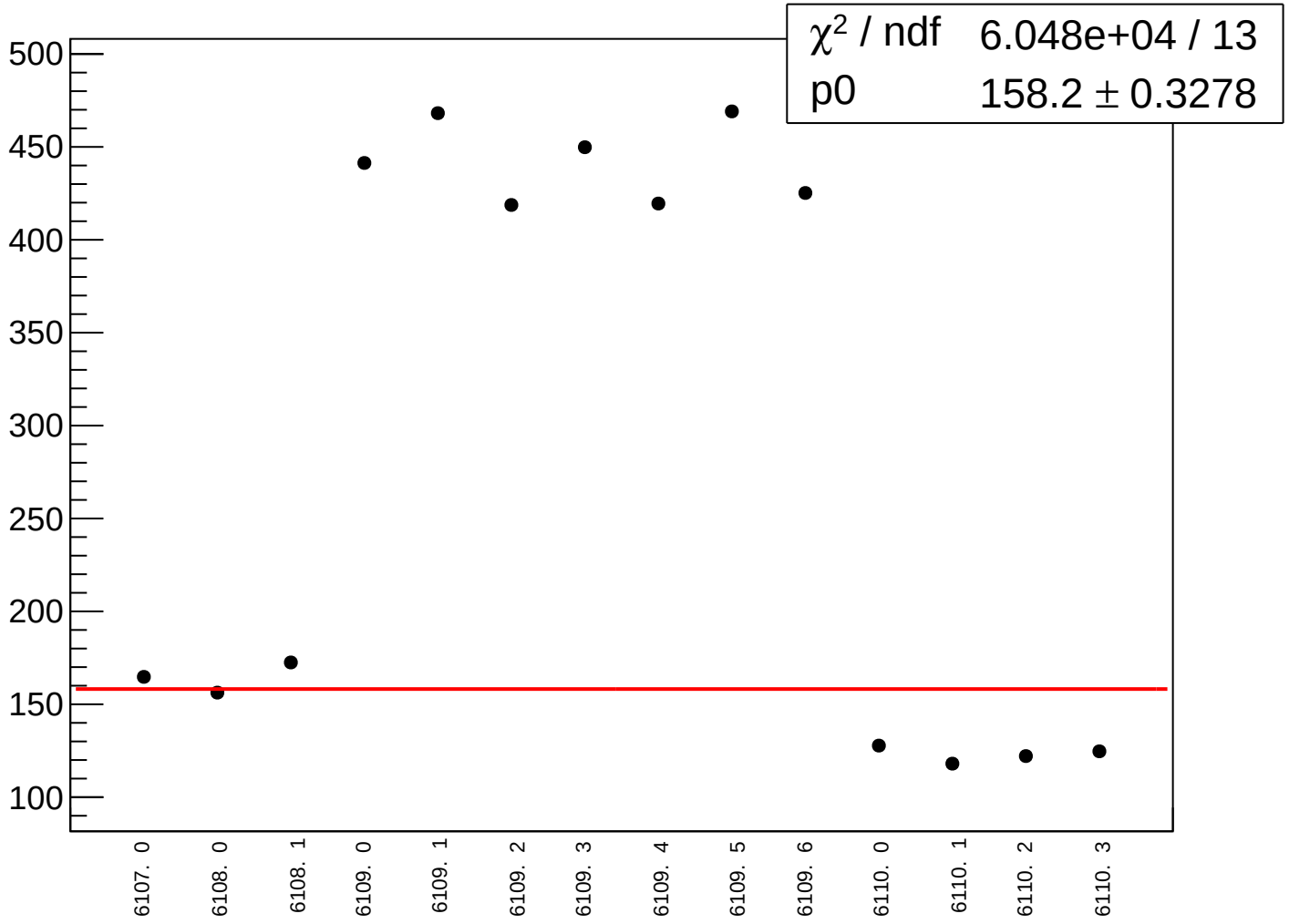

asym_sam5_mean vs run
χ² / ndf 11.17 / 13
p0 −2563 ± 3332
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1616
Std Dev 1609
1.5
1
0.5
0
−0.5
−1
−1.5

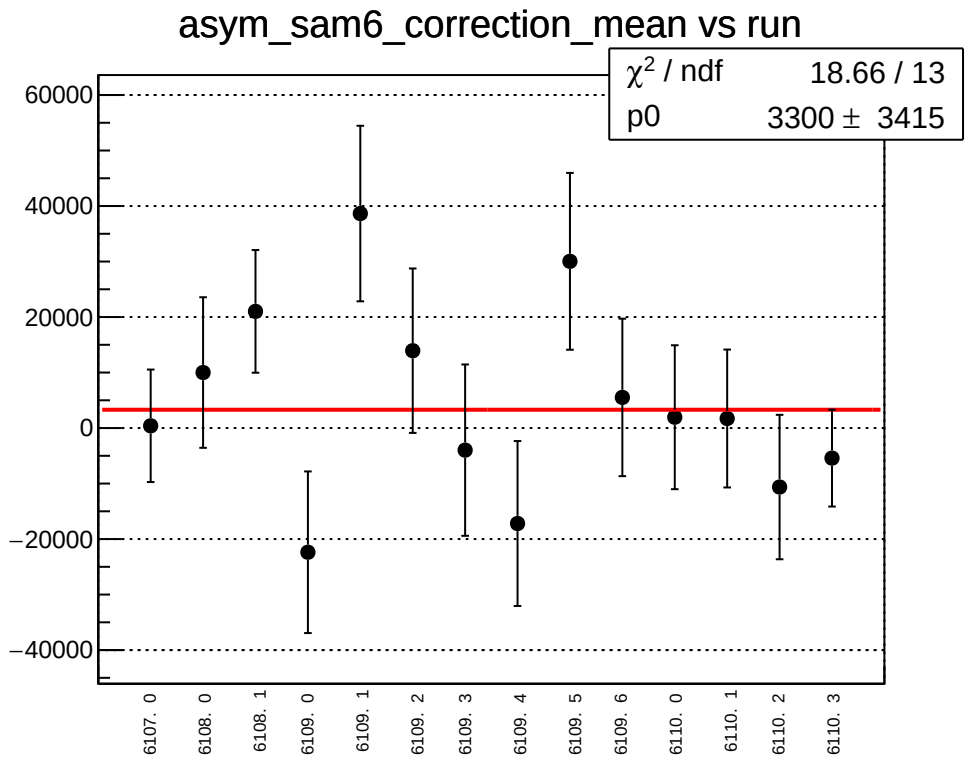

pull1D
Entries 14
Mean 0.0009798
Std Dev 0.8932
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

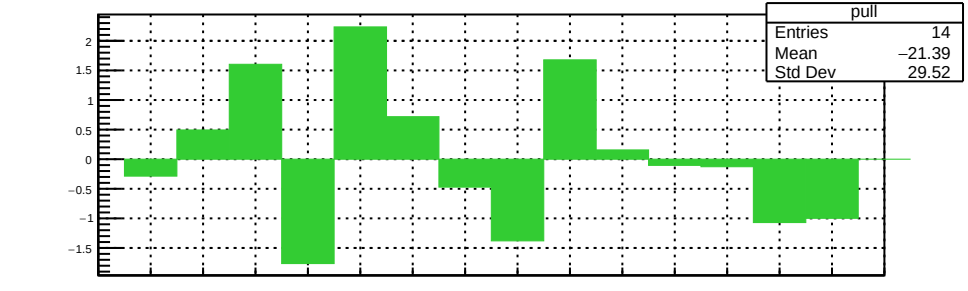

asym_sam5_rms vs run
χ² / ndf 201.9 / 13
p0 1276 ± 2.356
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

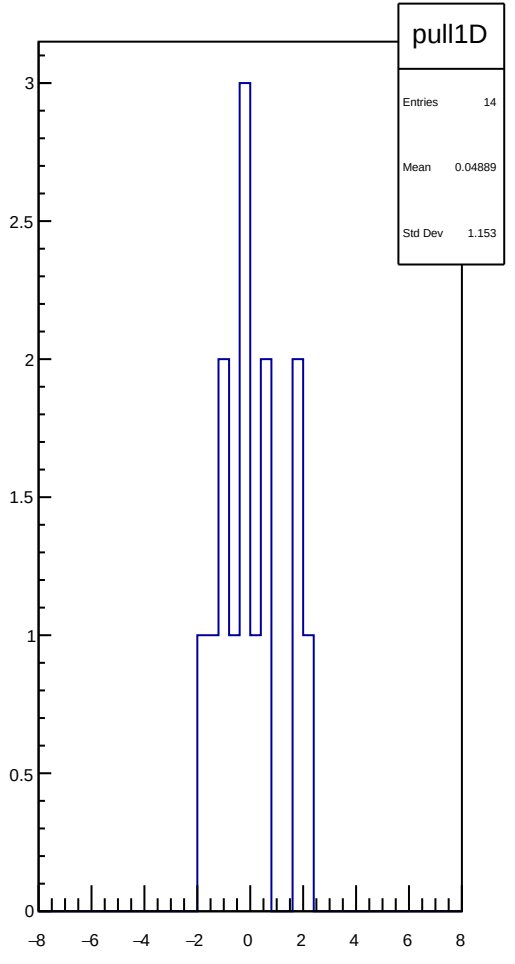

dit_asym_sam6_mean vs run
χ² / ndf 24.7 / 13
p0 −94.09 ± 463.6
15000
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −2.648
Std Dev 10.5
2
1
0
−1
−2

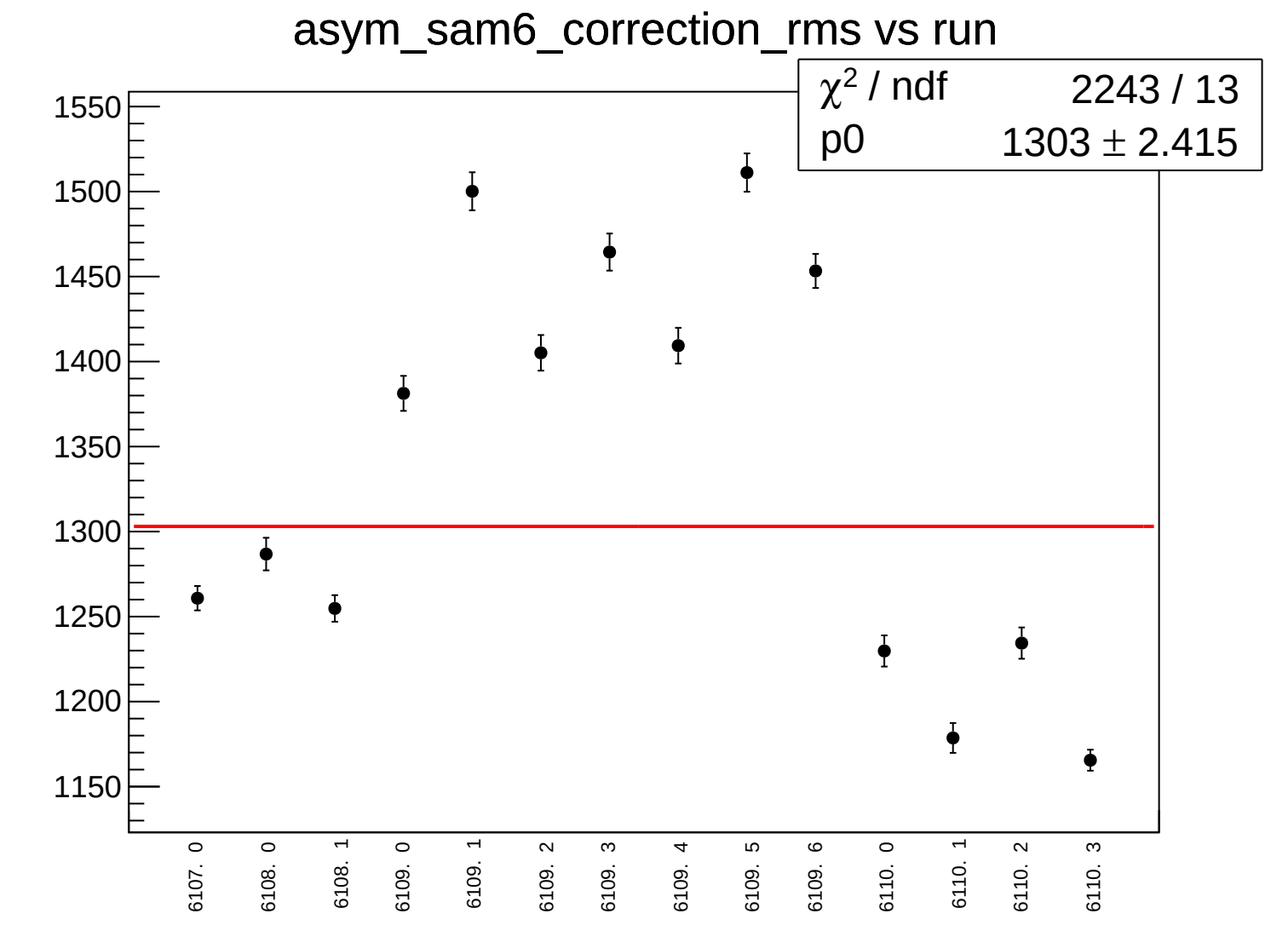

pull1D
Entries 14
Mean 0.1582
Std Dev 1.319
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

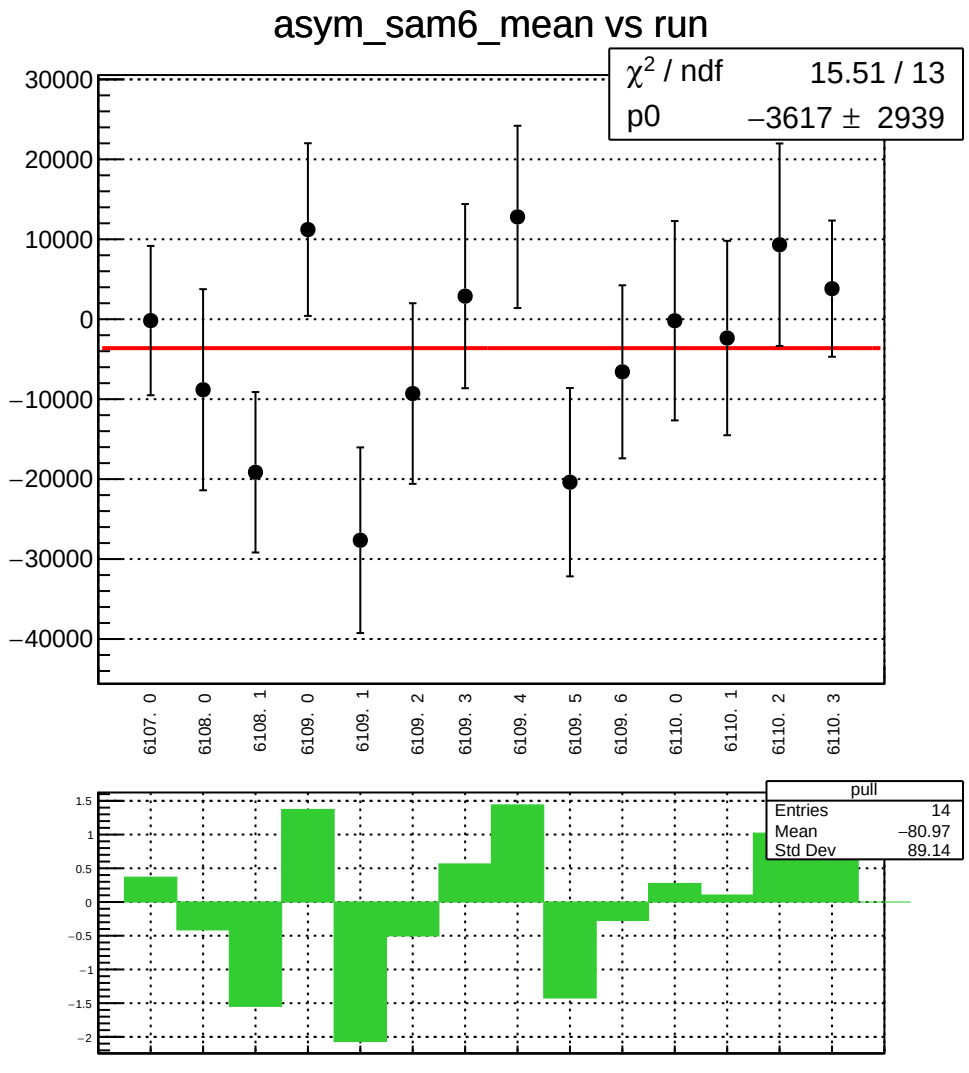

dit_asym_sam6_rms vs run
χ² / ndf 6.048e+04 / 13
p0 158.2 ± 0.3278
500
450
400
350
300
250
200
150
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

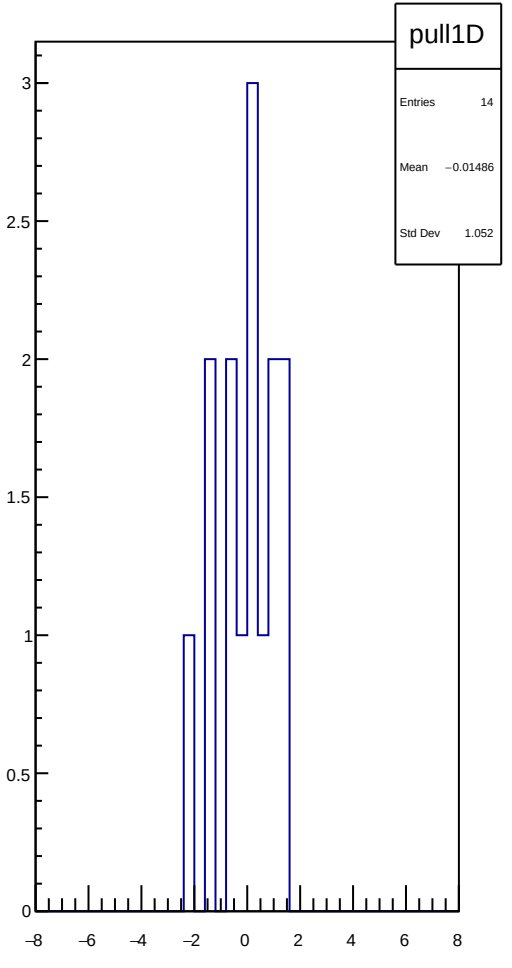

asym_sam6_correction_mean vs run
χ² / ndf 18.66 / 13
p0 3300 ± 3415
60000
40000
20000
0
−20000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

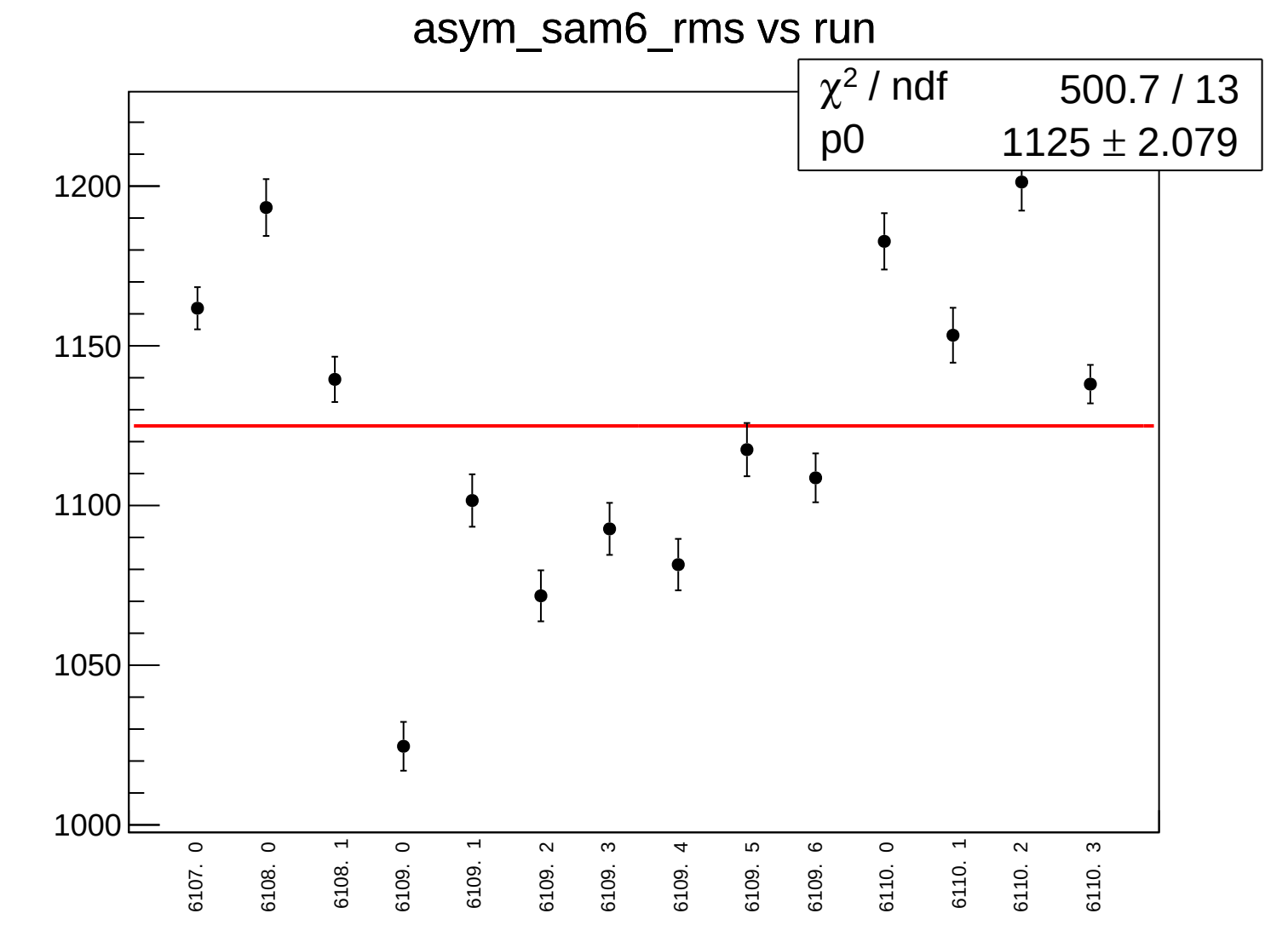

pull
Entries 14
Mean −21.39
Std Dev 29.52
2
1.5
1
0.5
0
−0.5
−1
−1.5

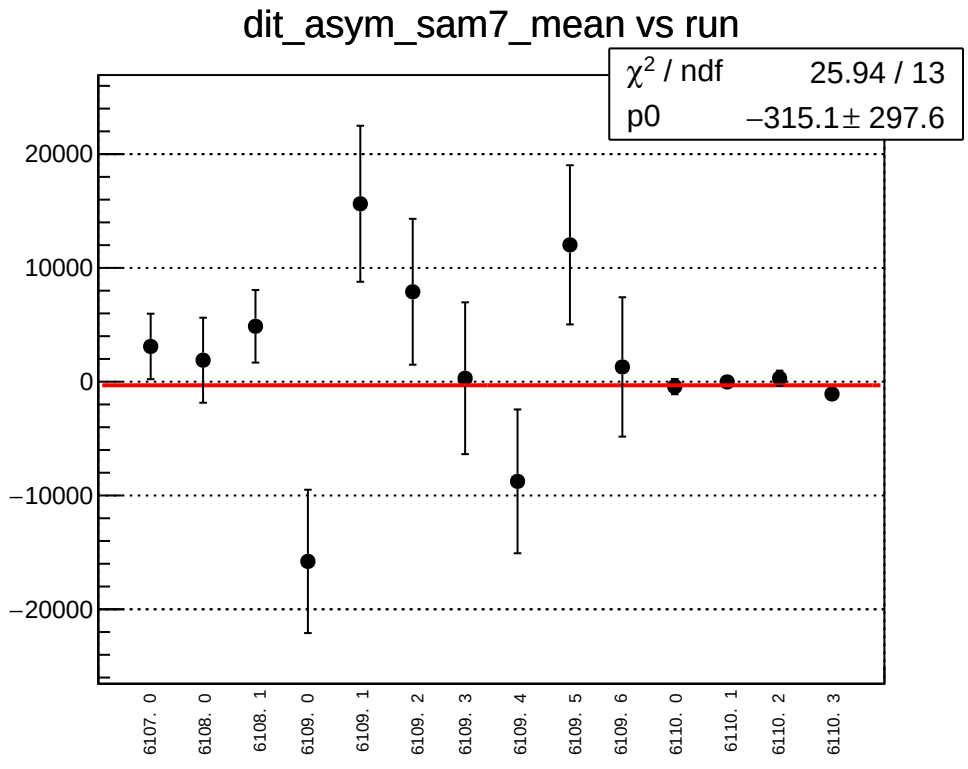

pull1D
Entries 14
Mean 0.04889
Std Dev 1.153
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

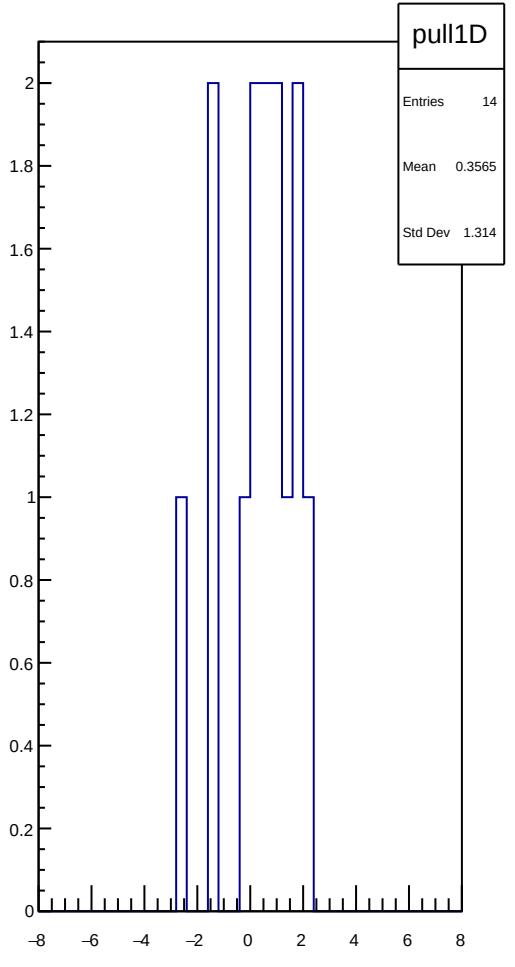

asym_sam6_correction_rms vs run
χ² / ndf 2243 / 13
p0 1303 ± 2.415
1550
1500
1450
1400
1350
1300
1250
1200
1150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

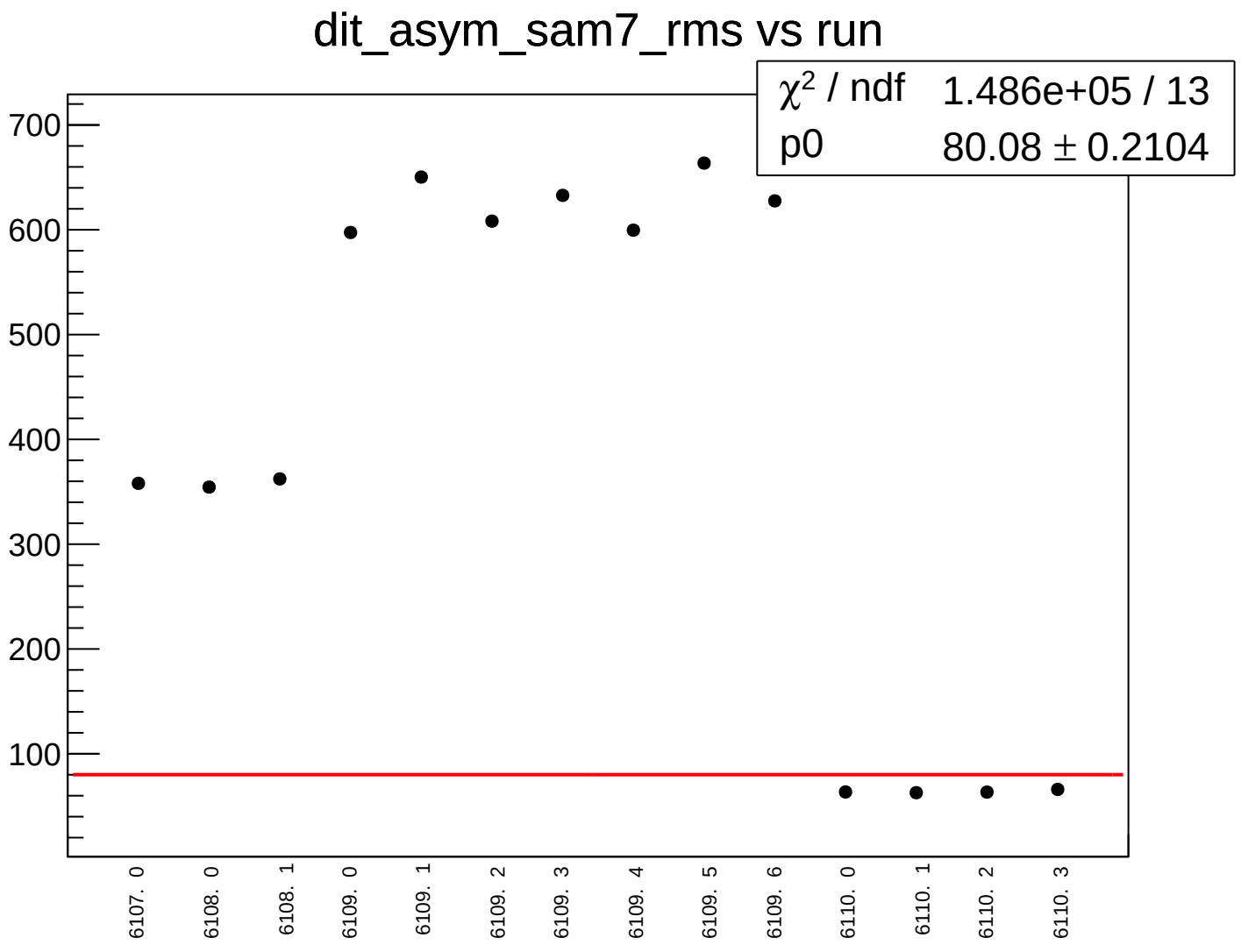

asym_sam6_mean vs run
χ² / ndf 15.51 / 13
p0 −3617 ± 2939
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −80.97
Std Dev 89.14
1.5
1
0.5
0
−0.5
−1
−1.5
−2

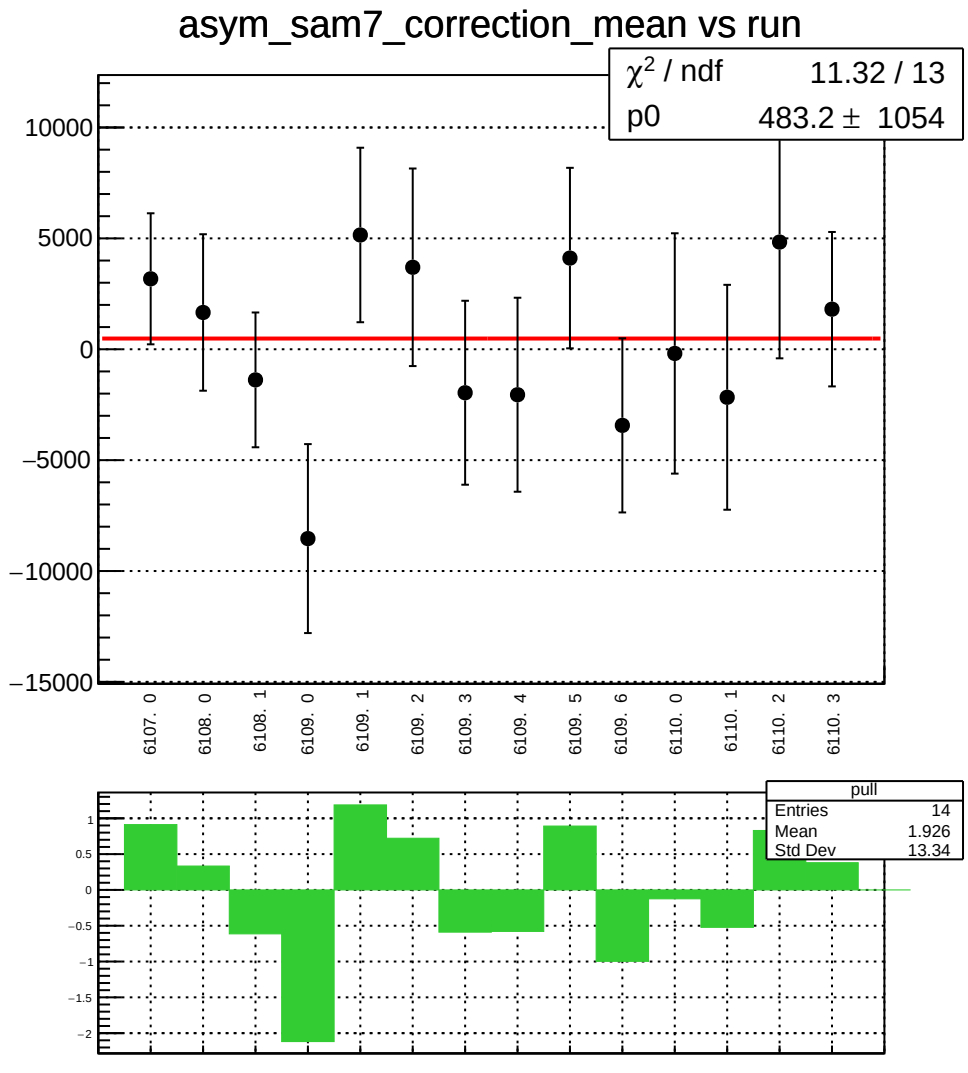

pull1D
Entries 14
Mean −0.01486
Std Dev 1.052
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

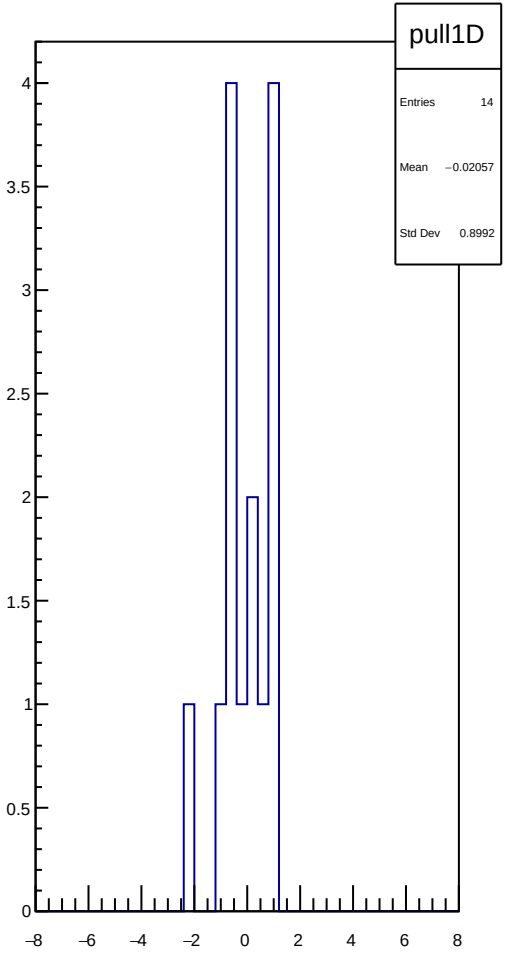

asym_sam6_rms vs run
χ² / ndf 500.7 / 13
p0 1125 ± 2.079
1200
1150
1100
1050
1000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

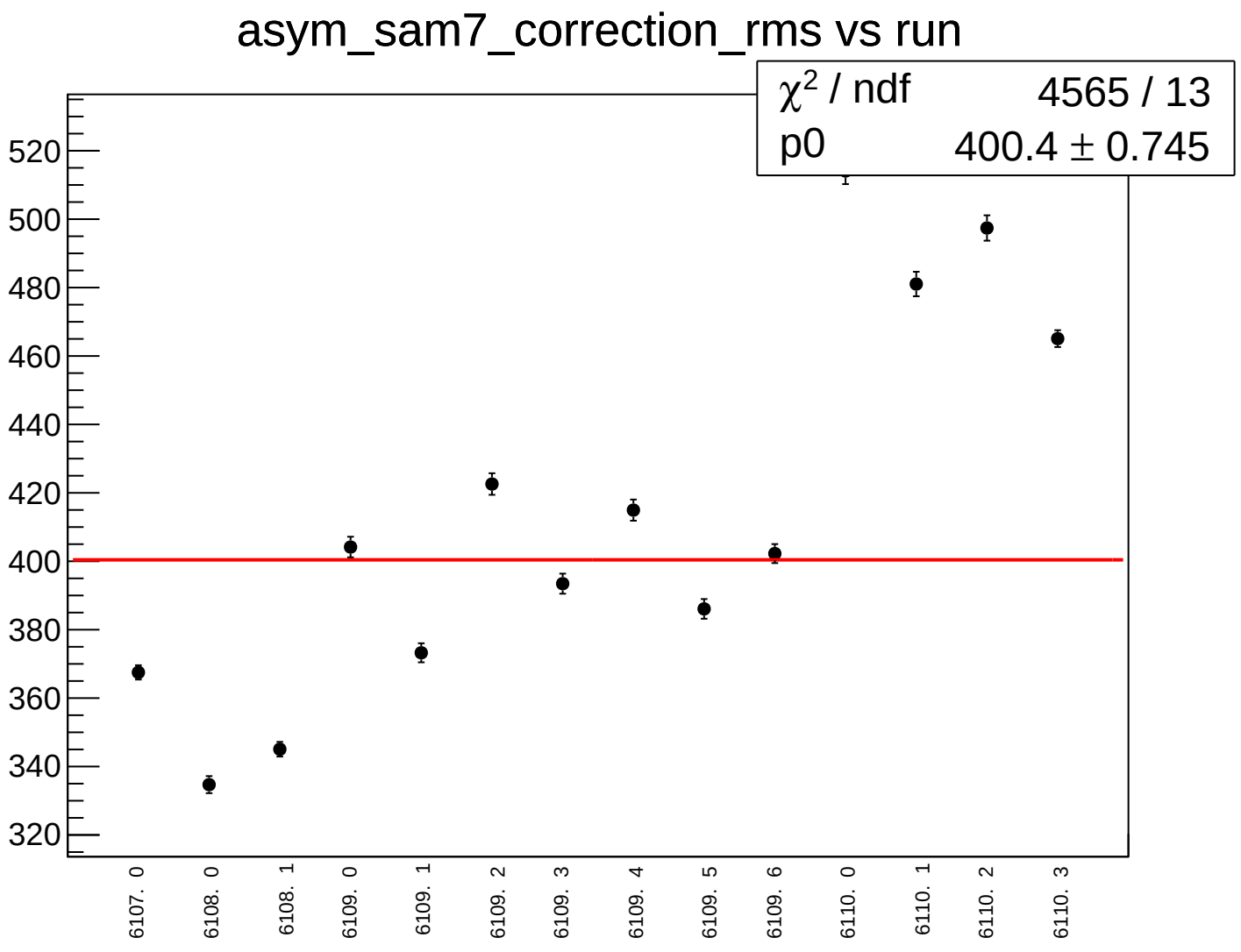

dit_asym_sam7_mean vs run
χ² / ndf 25.94 / 13
p0 −315.1± 297.6
20000
10000
0
−10000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 3.323
Std Dev 0.927
2
1
0
−1
−2

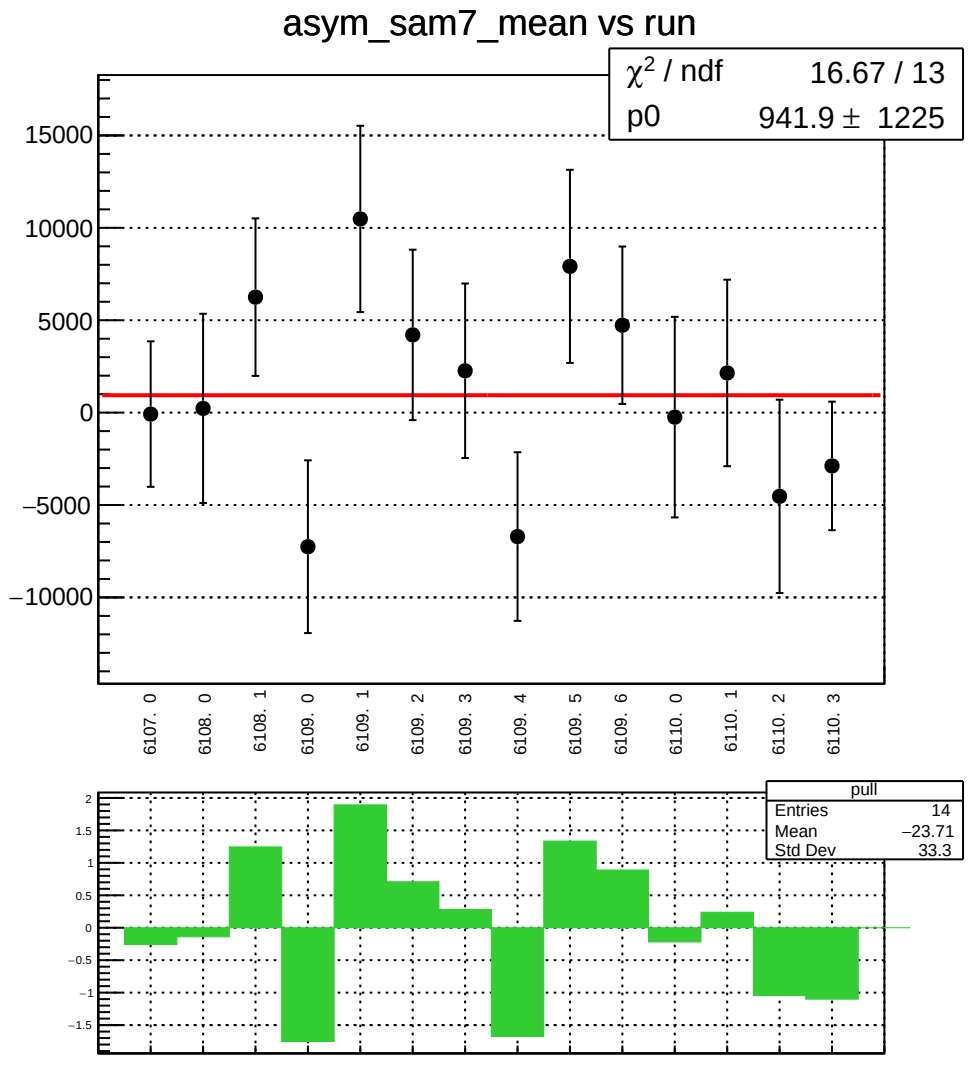

pull1D
Entries 14
Mean 0.3565
Std Dev 1.314
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

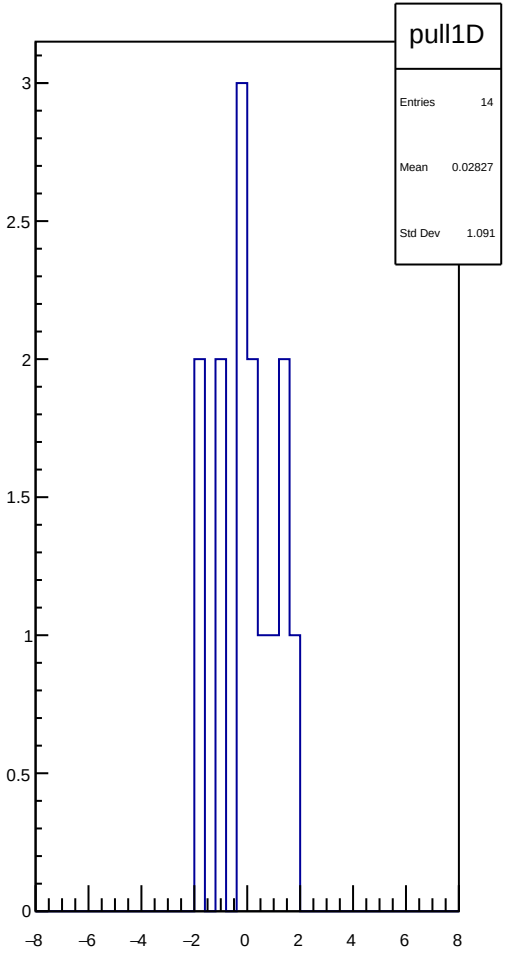

dit_asym_sam7_rms vs run
χ² / ndf 1.486e+05 / 13
p0 80.08 ± 0.2104
700
600
500
400
300
200
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

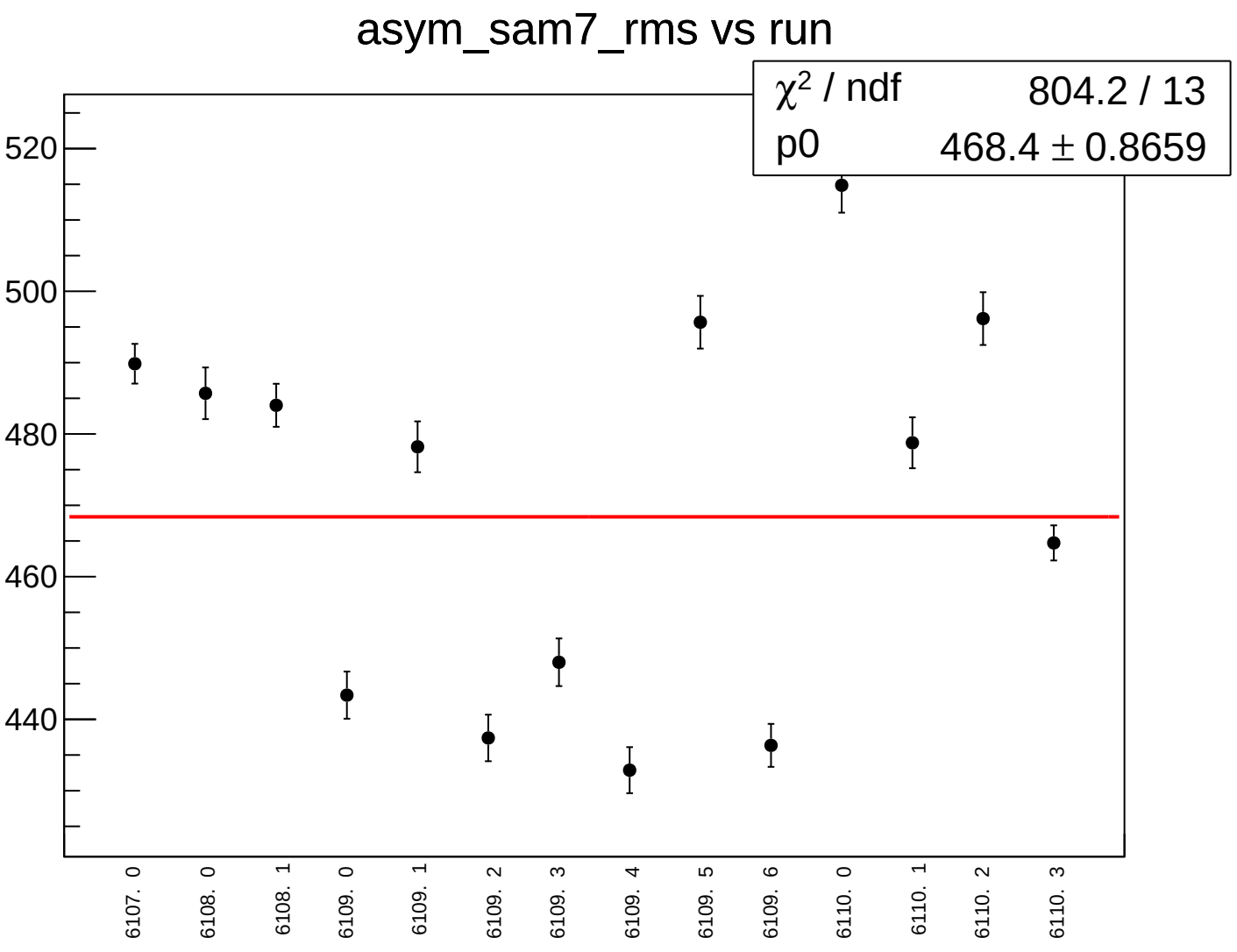

asym_sam7_correction_mean vs run
χ² / ndf 11.32 / 13
p0 483.2 ± 1054
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1.926
Std Dev 13.34
1
0.5
0
−0.5
−1
−1.5
−2

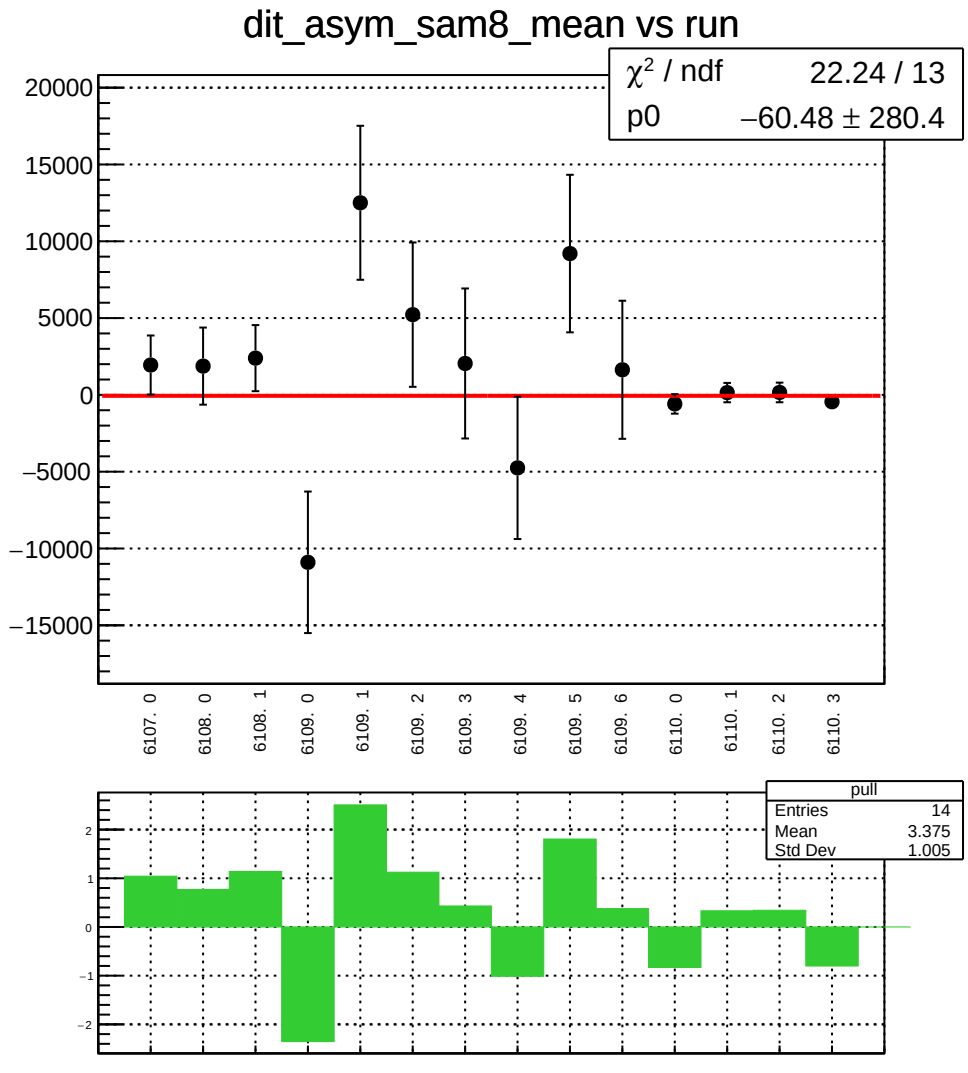

pull1D
Entries 14
Mean −0.02057
Std Dev 0.8992
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

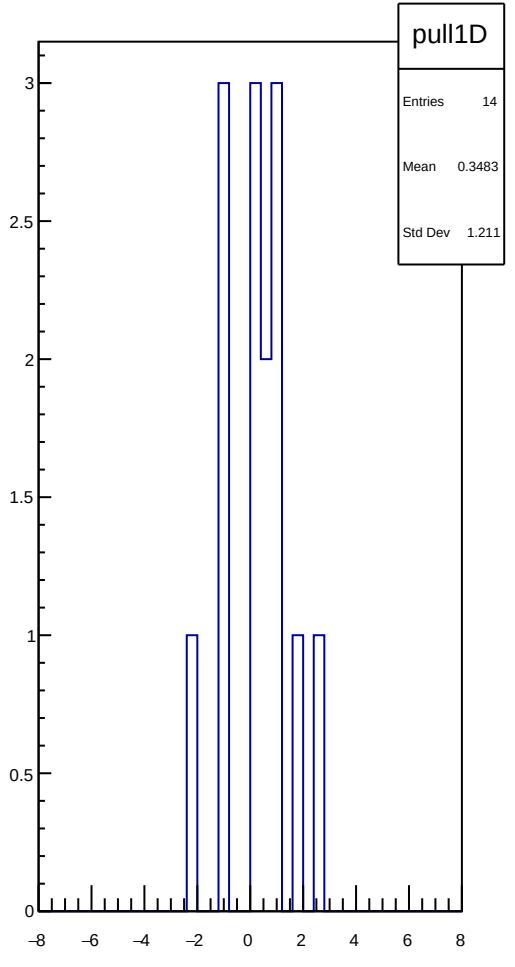

asym_sam7_correction_rms vs run
χ² / ndf 4565 / 13
p0 400.4 ± 0.745
520
500
480
460
440
420
400
380
360
340
320
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

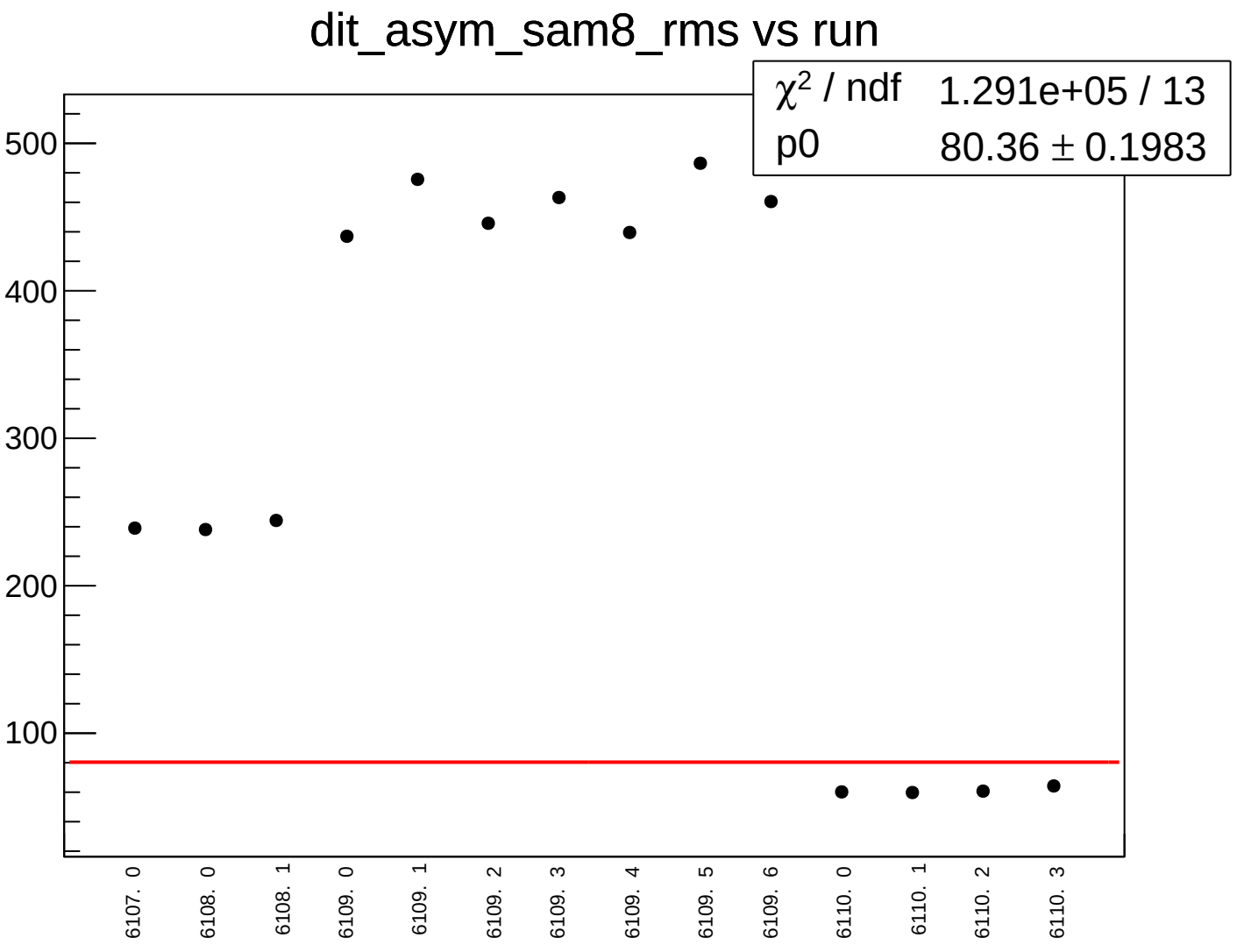

asym_sam7_mean vs run
χ² / ndf 16.67 / 13
p0 941.9 ± 1225
15000
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −23.71
Std Dev 33.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

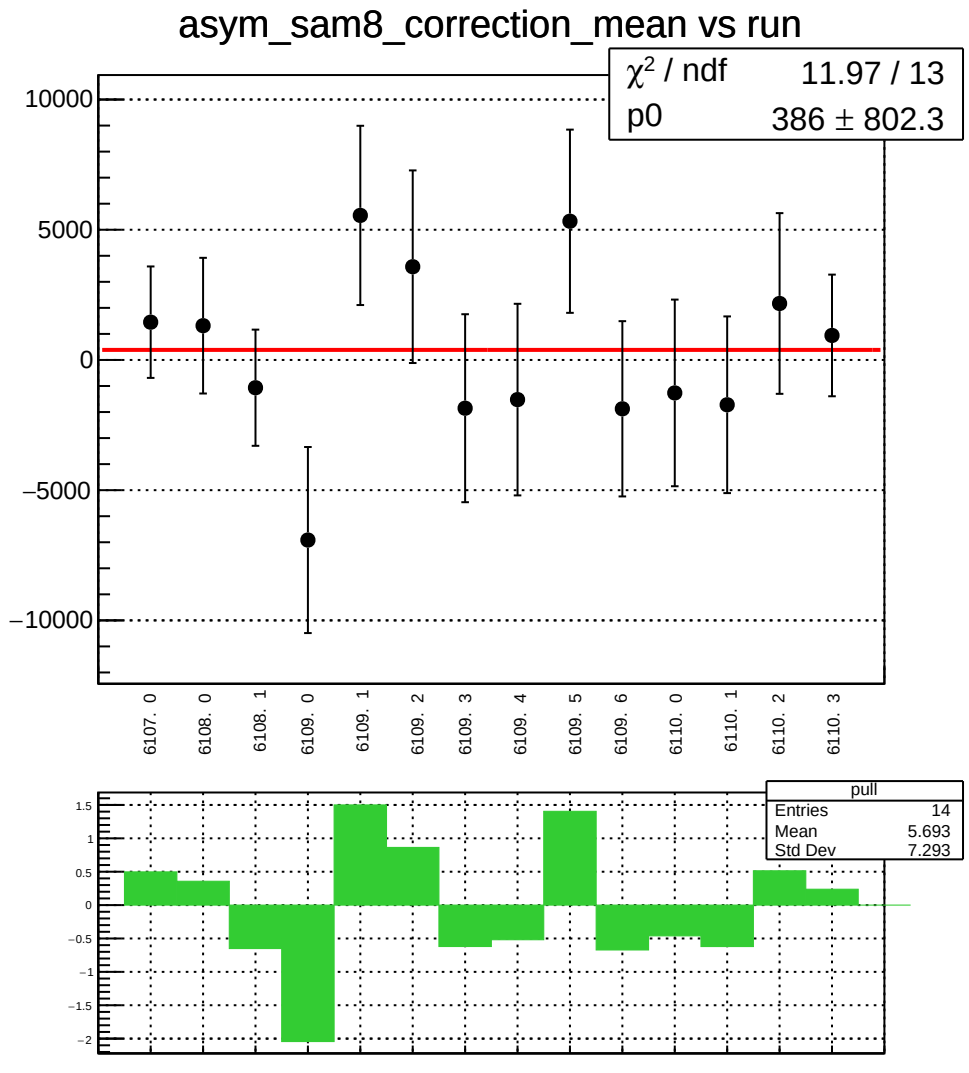

pull1D
Entries 14
Mean 0.02827
Std Dev 1.091
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

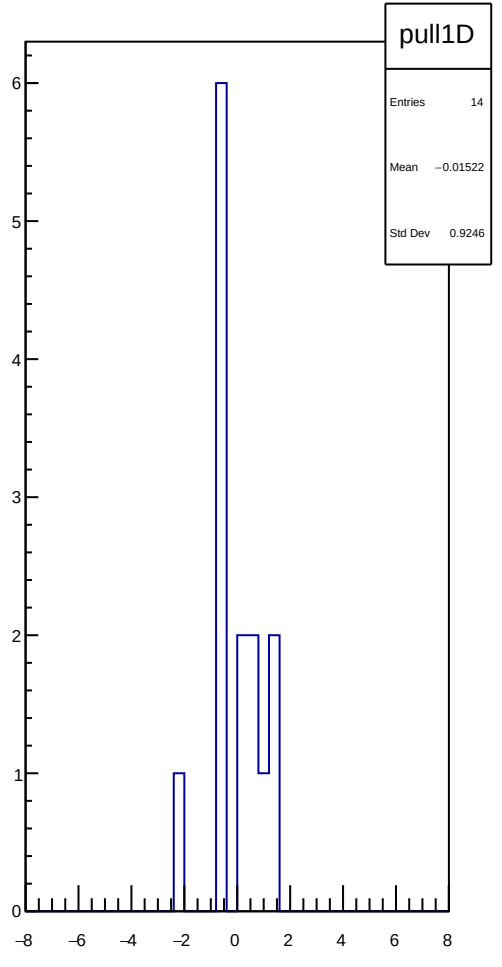

asym_sam7_rms vs run
χ² / ndf 804.2 / 13
p0 468.4 ± 0.8659
520
500
480
460
440
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

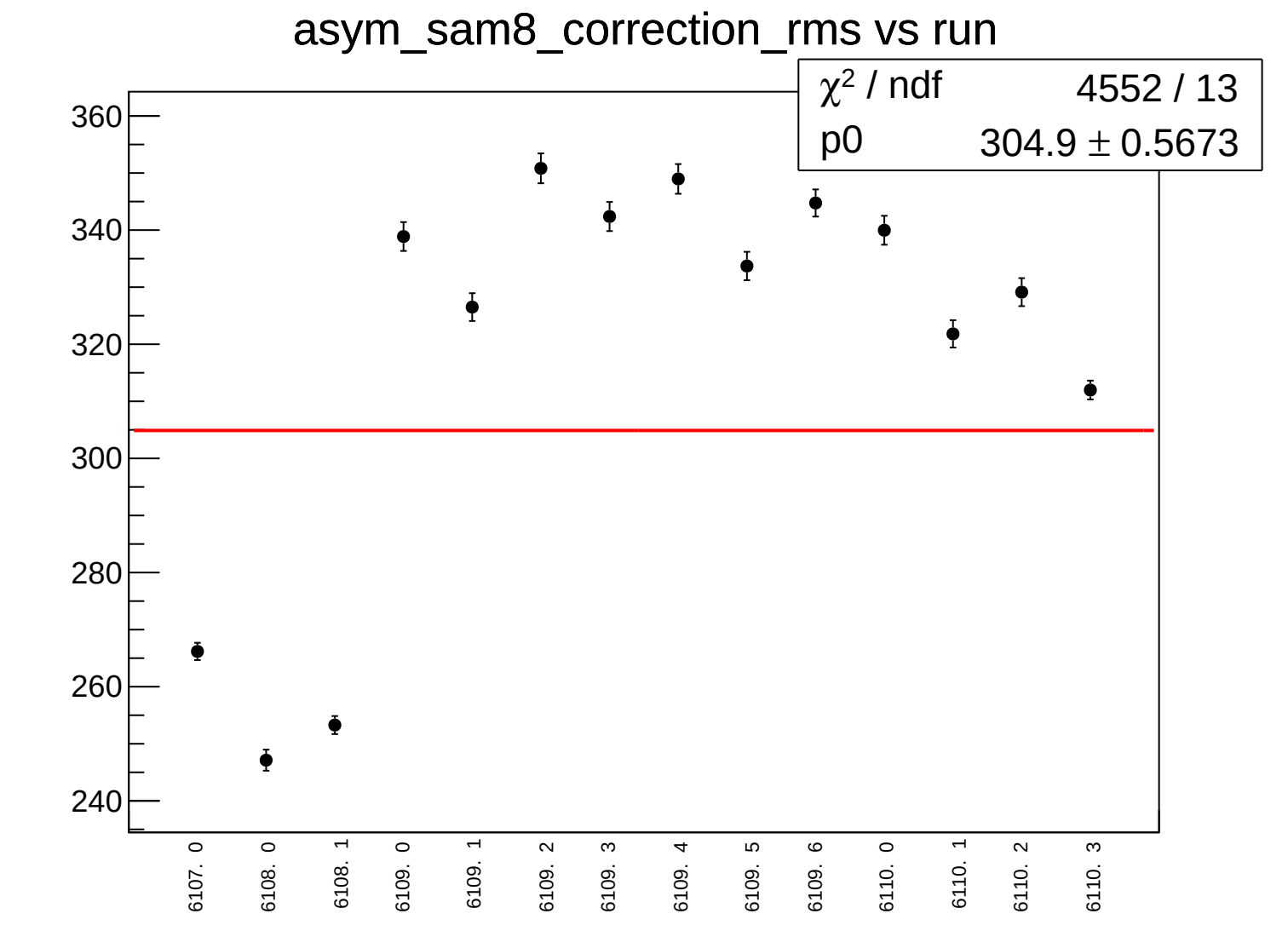

dit_asym_sam8_mean vs run
χ² / ndf 22.24 / 13
p0 −60.48 ± 280.4
20000
15000
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 3.375
Std Dev 1.005
2
1
0
−1
−2

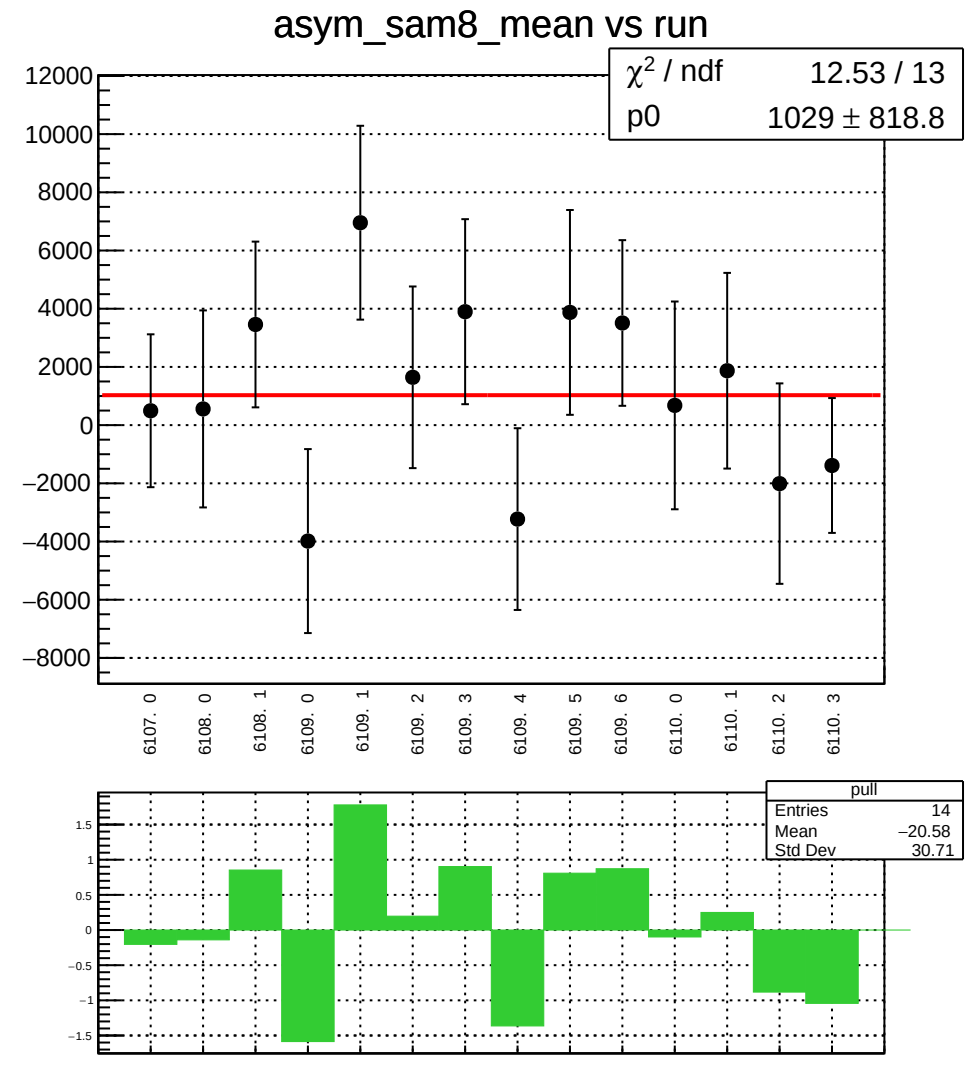

pull1D
Entries 14
Mean 0.3483
Std Dev 1.211
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

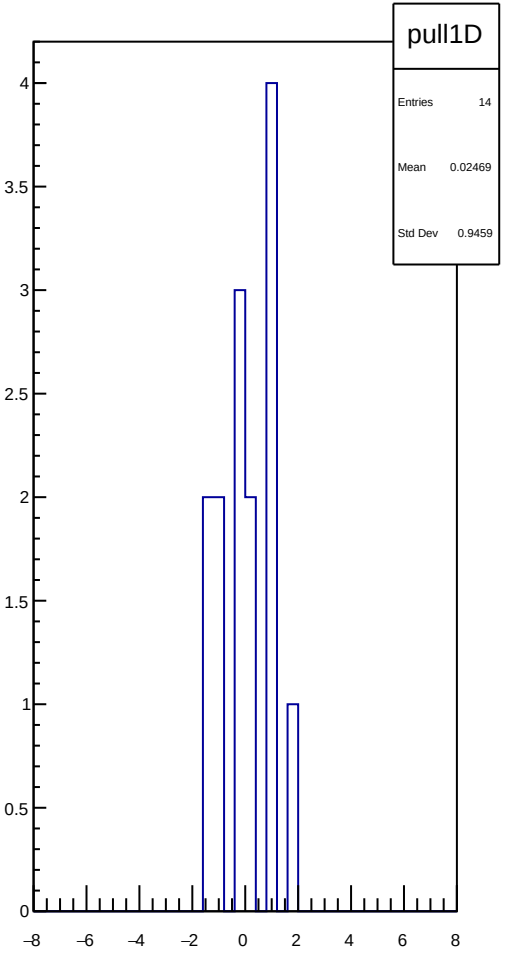

dit_asym_sam8_rms vs run
χ² / ndf 1.291e+05 / 13
p0 80.36 ± 0.1983
500
400
300
200
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

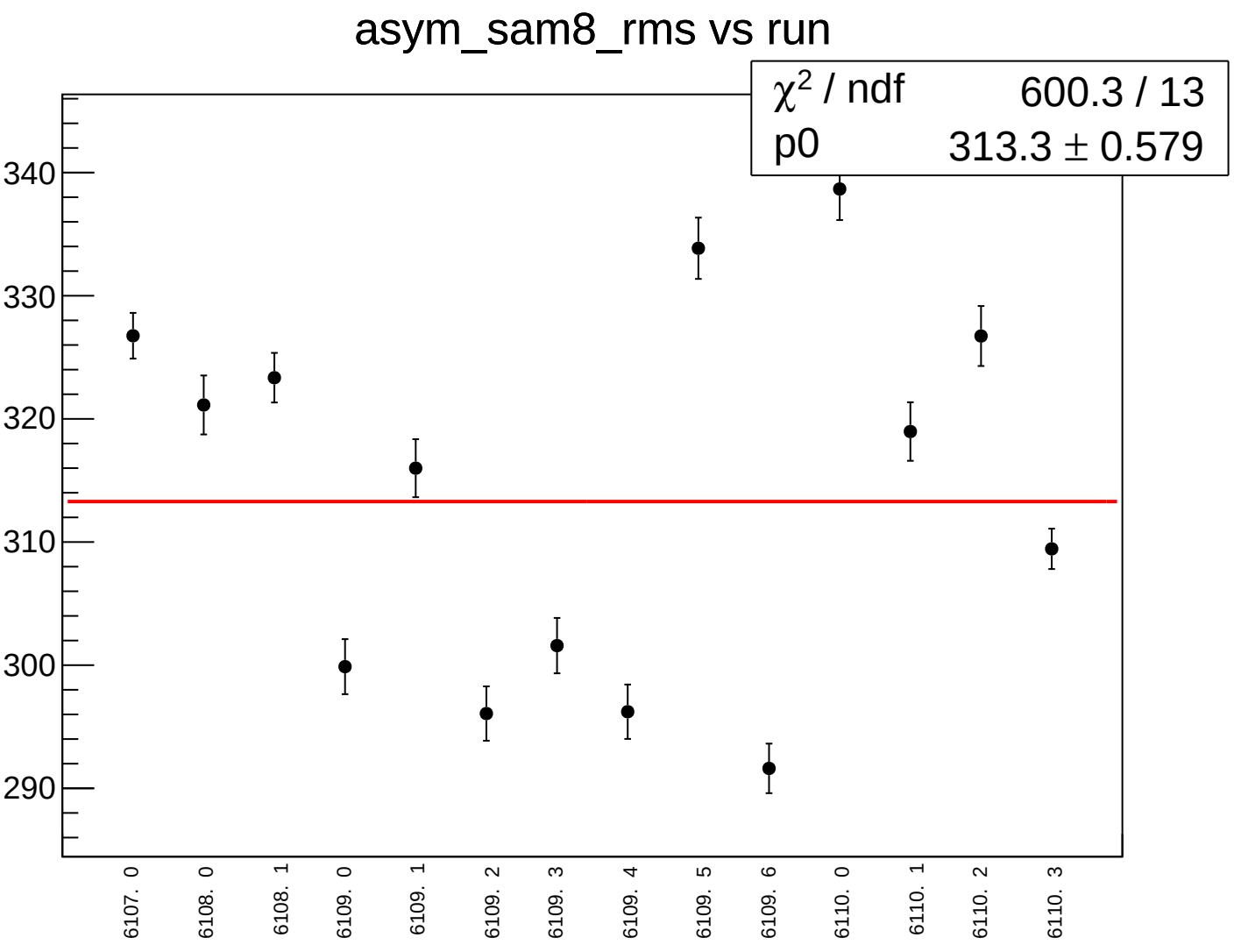

asym_sam8_correction_mean vs run
χ² / ndf 11.97 / 13
p0 386 ± 802.3
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.693
Std Dev 7.293
1.5
1
0.5
0
−0.5
−1
−1.5
−2

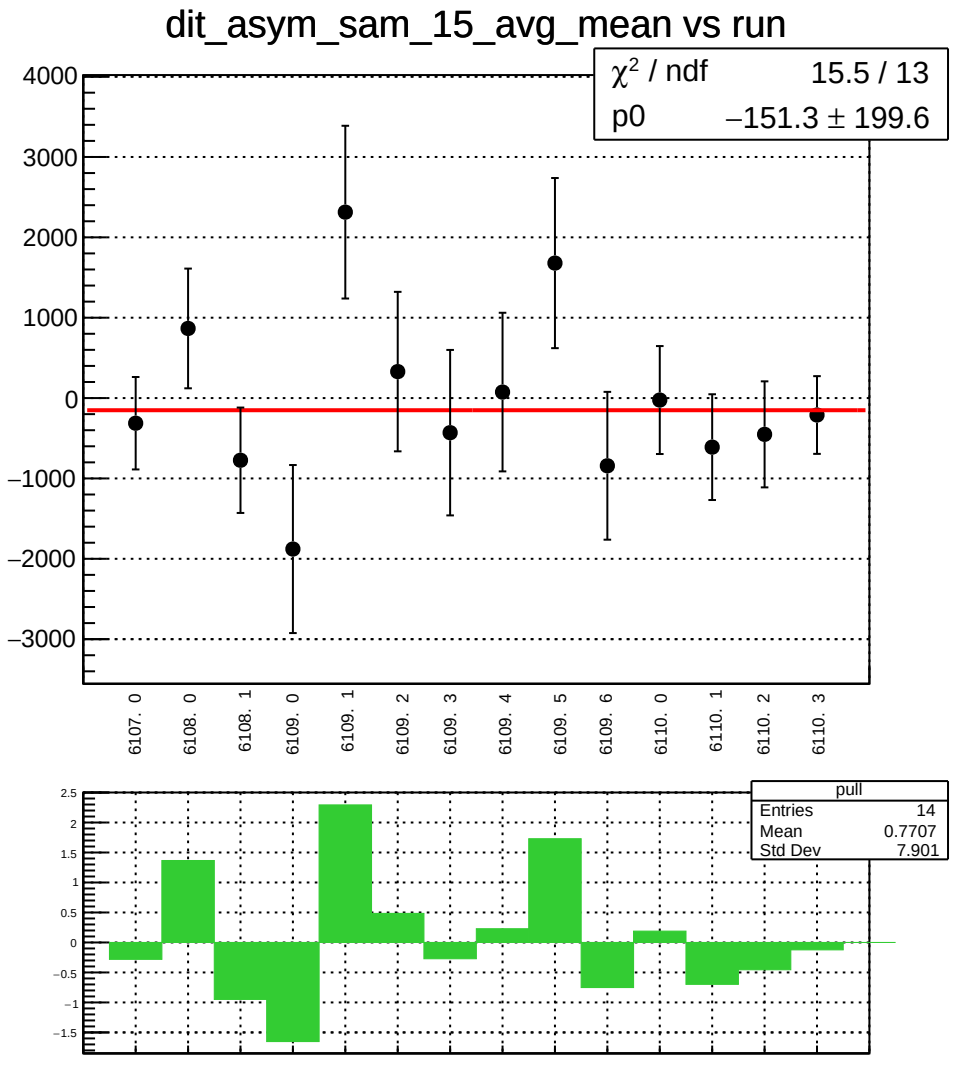

pull1D
Entries 14
Mean −0.01522
Std Dev 0.9246
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

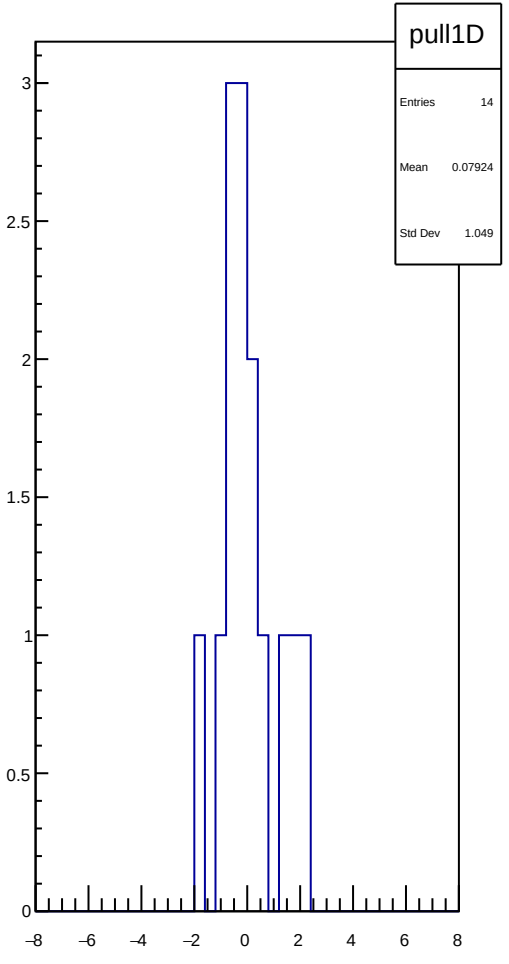

asym_sam8_correction_rms vs run
χ² / ndf 4552 / 13
p0 304.9 ± 0.5673
360
340
320
300
280
260
240
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

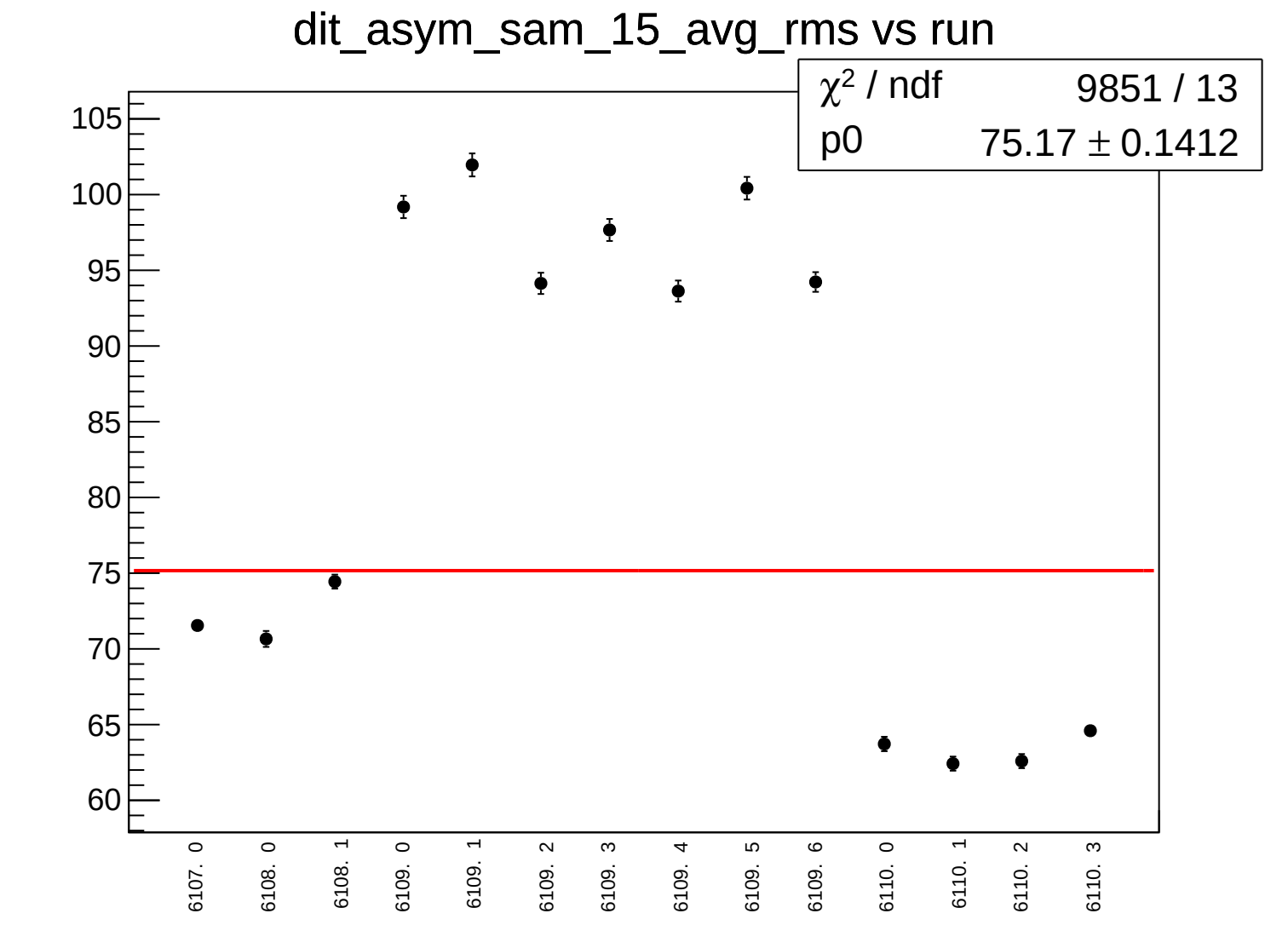

asym_sam8_mean vs run
χ² / ndf 12.53 / 13
p0 1029 ± 818.8
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −20.58
Std Dev 30.71
1.5
1
0.5
0
−0.5
−1
−1.5

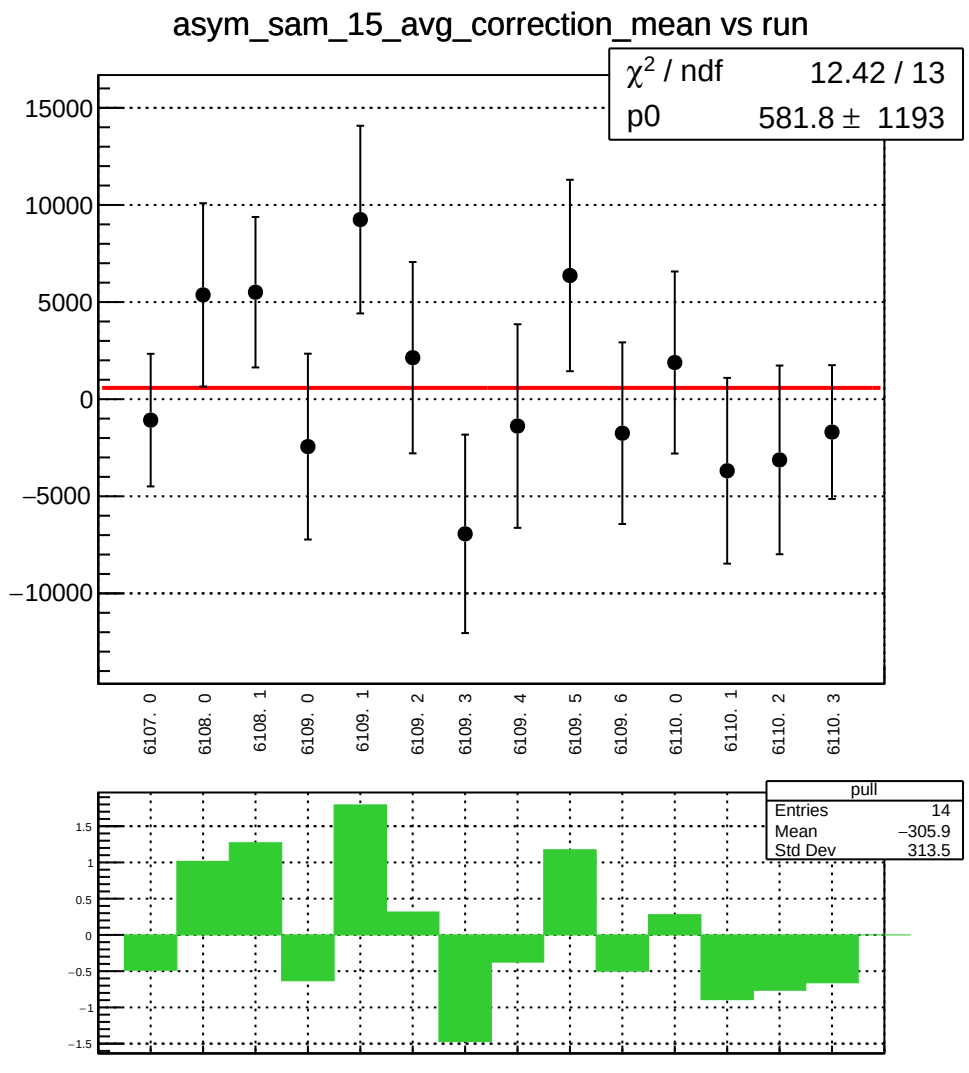

pull1D
Entries 14
Mean 0.02469
Std Dev 0.9459
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

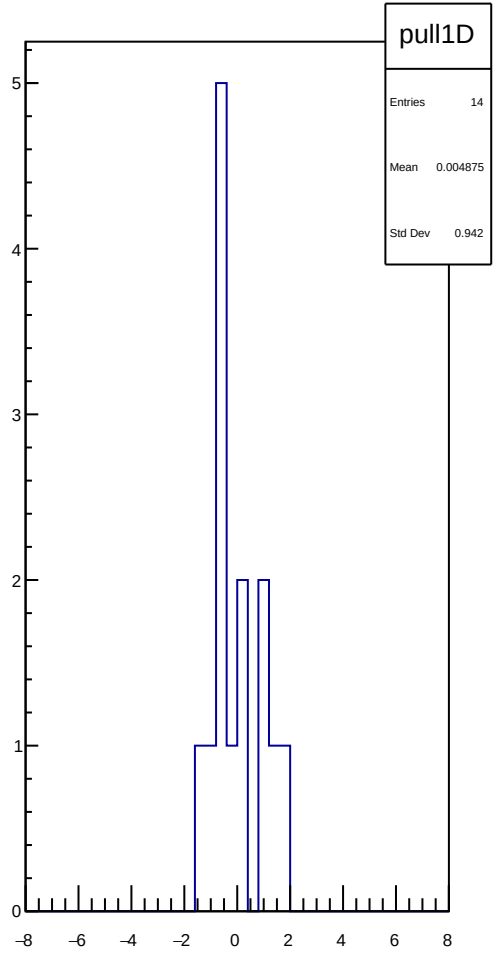

asym_sam8_rms vs run
χ² / ndf 600.3 / 13
p0 313.3 ± 0.579
340
330
320
310
300
290
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

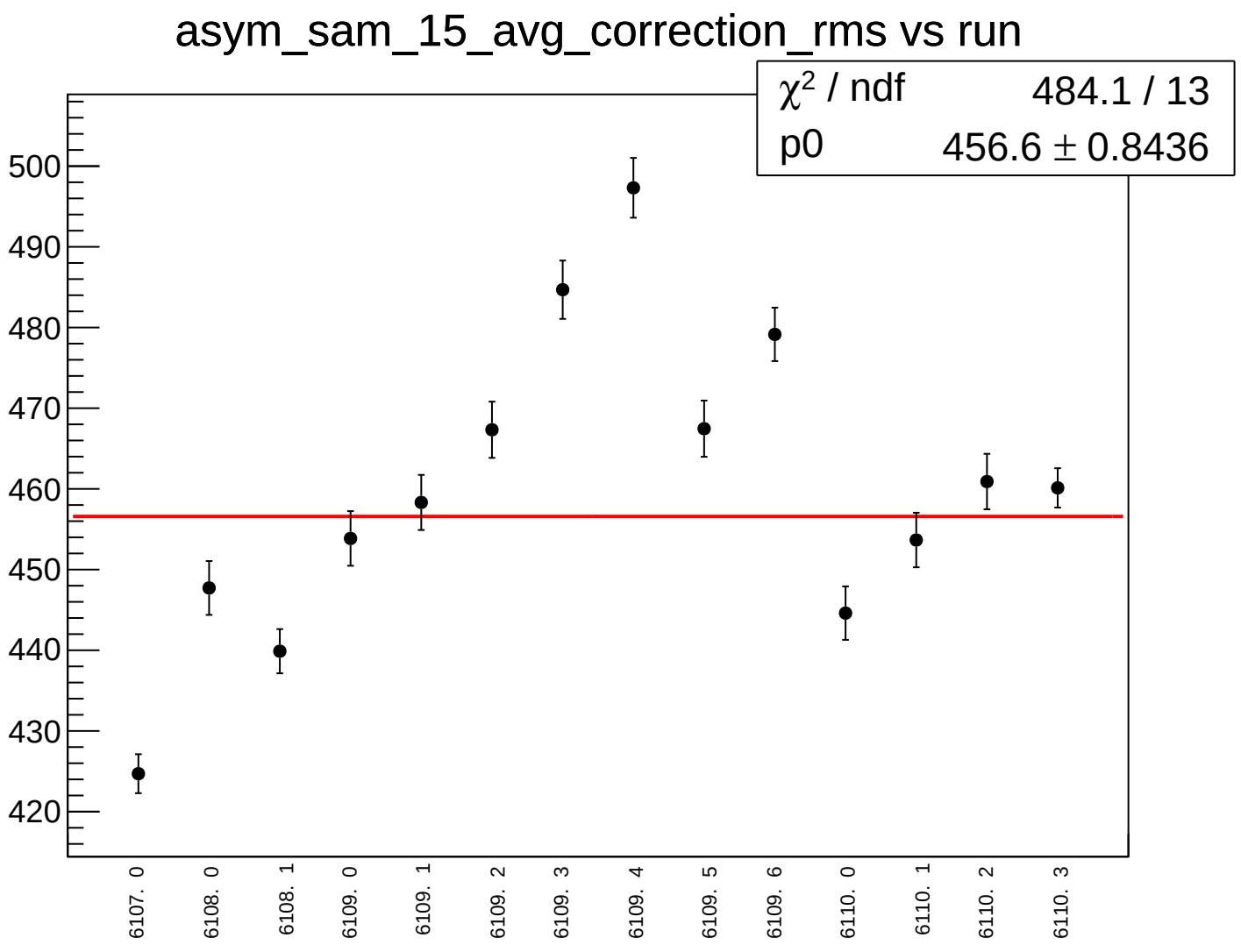

dit_asym_sam_15_avg_mean vs run
χ² / ndf 15.5 / 13
p0 −151.3 ± 199.6
4000
3000
2000
1000
0
−1000
−2000
−3000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0.7707
Std Dev 7.901
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

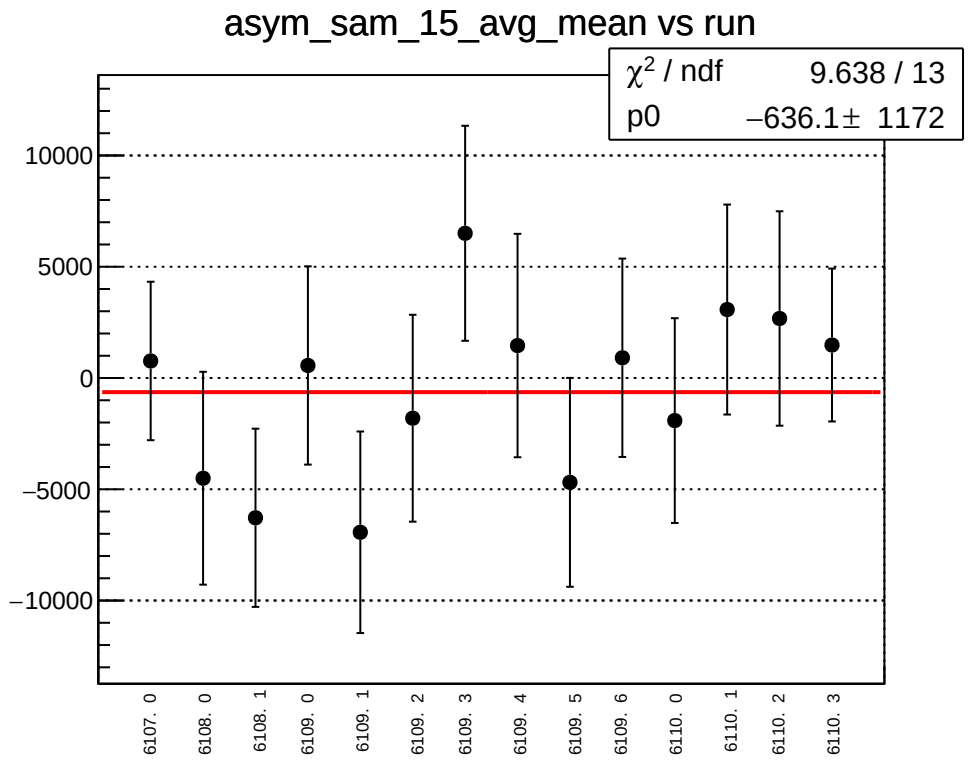

pull1D
Entries 14
Mean 0.07924
Std Dev 1.049
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

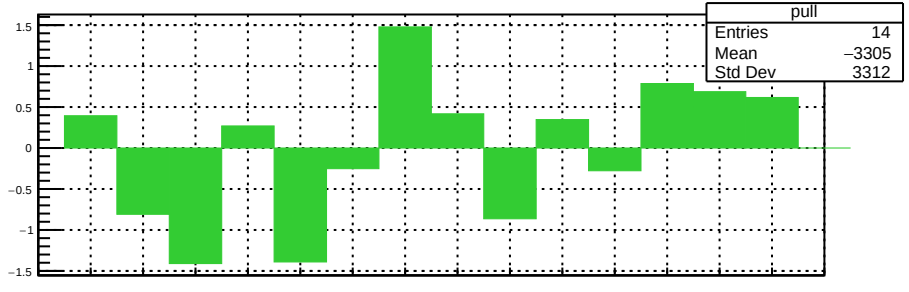

dit_asym_sam_15_avg_rms vs run
χ² / ndf 9851 / 13
p0 75.17 ± 0.1412
105
100
95
90
85
80
75
70
65
60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

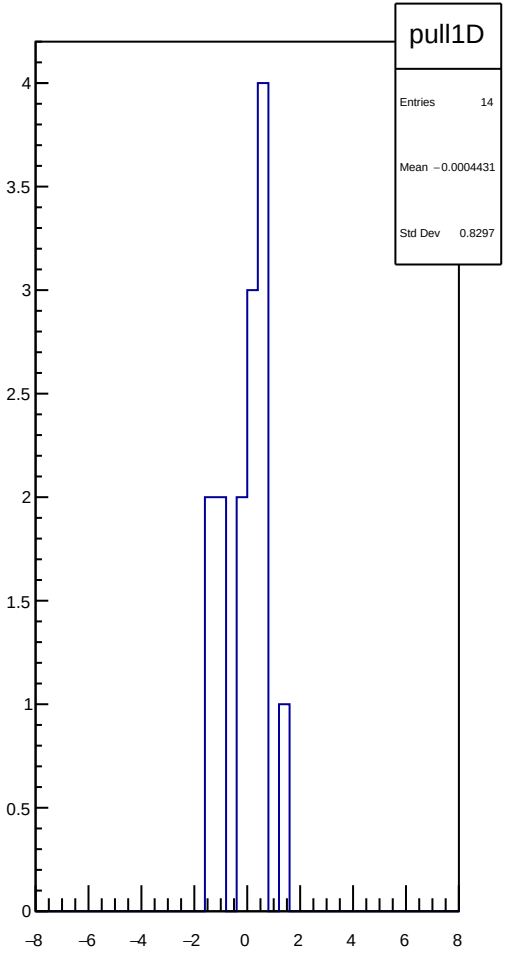

asym_sam_15_avg_correction_mean vs run
χ² / ndf 12.42 / 13
p0 581.8 ± 1193
15000
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −305.9
Std Dev 313.5
1.5
1
0.5
0
−0.5
−1
−1.5

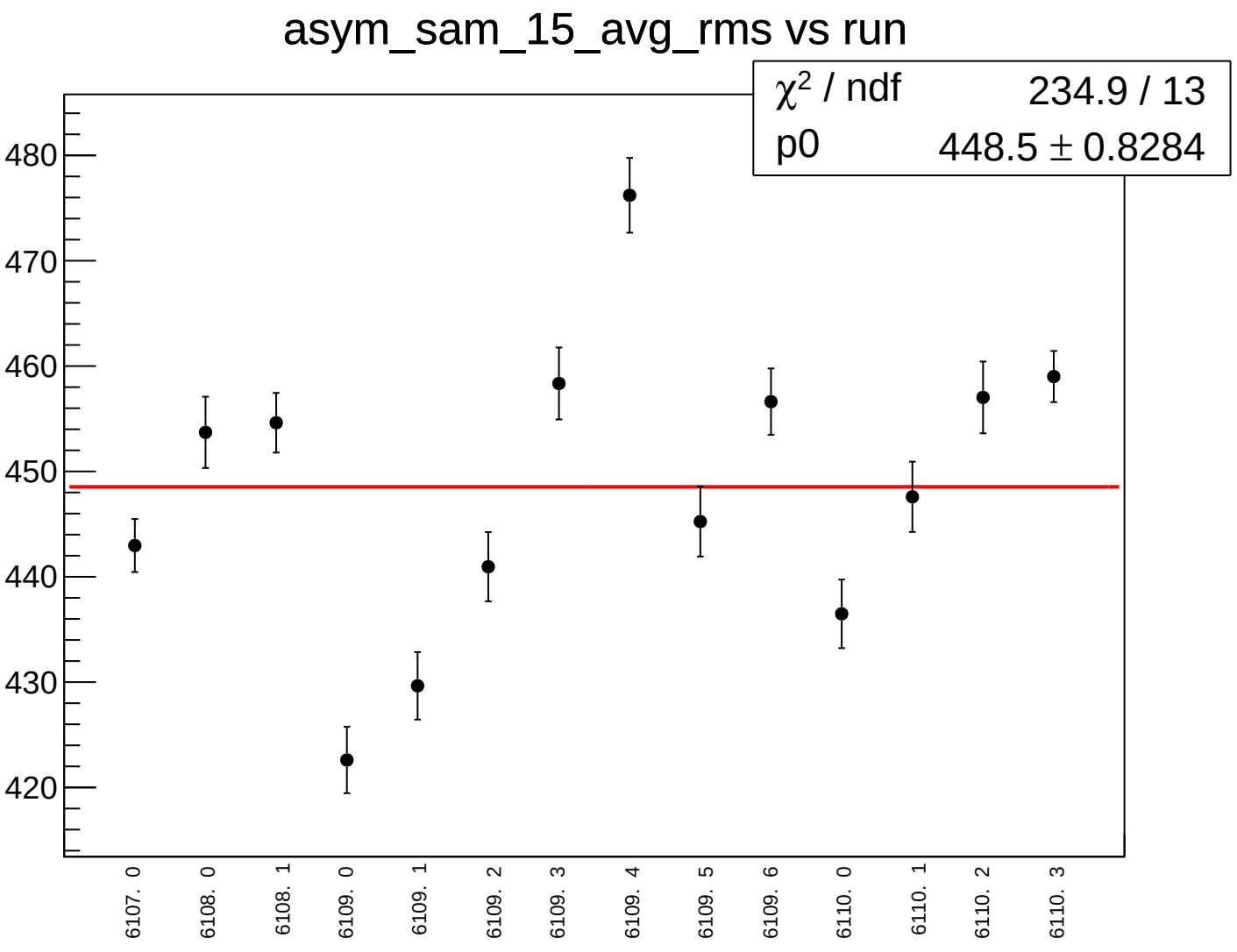

pull1D
Entries 14
Mean 0.004875
Std Dev 0.942
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

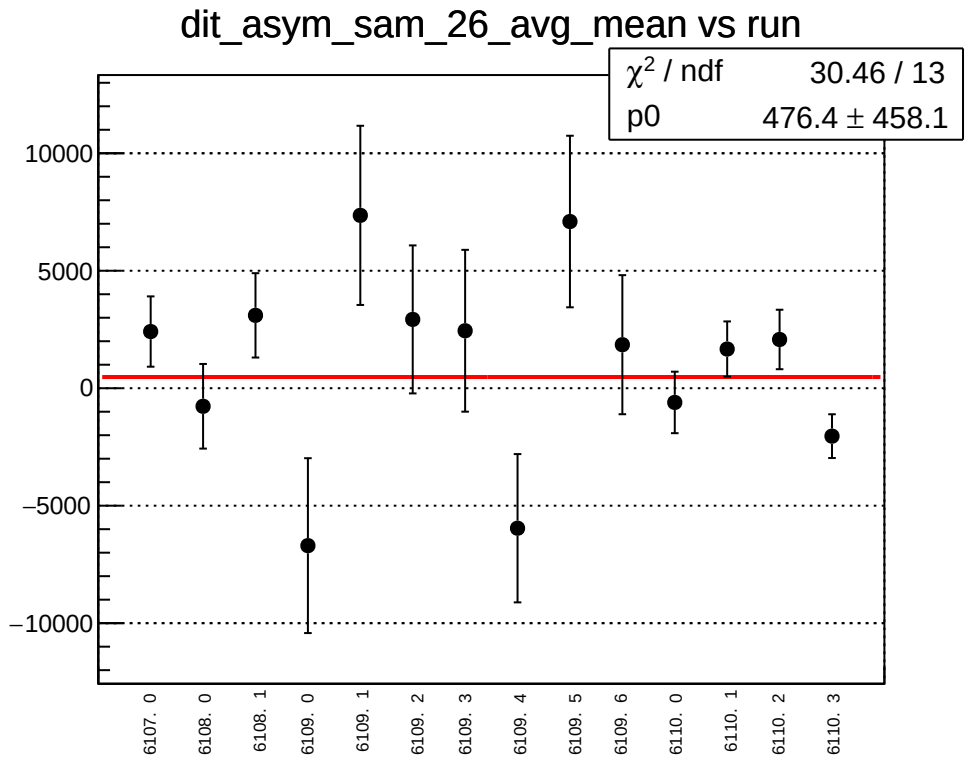

asym_sam_15_avg_correction_rms vs run
χ² / ndf 484.1 / 13
p0 456.6 ± 0.8436
500
490
480
470
460
450
440
430
420
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

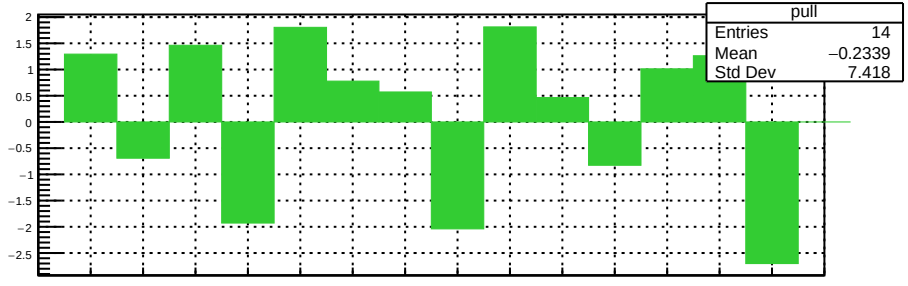

asym_sam_15_avg_mean vs run
χ² / ndf 9.638 / 13
p0 −636.1± 1172
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

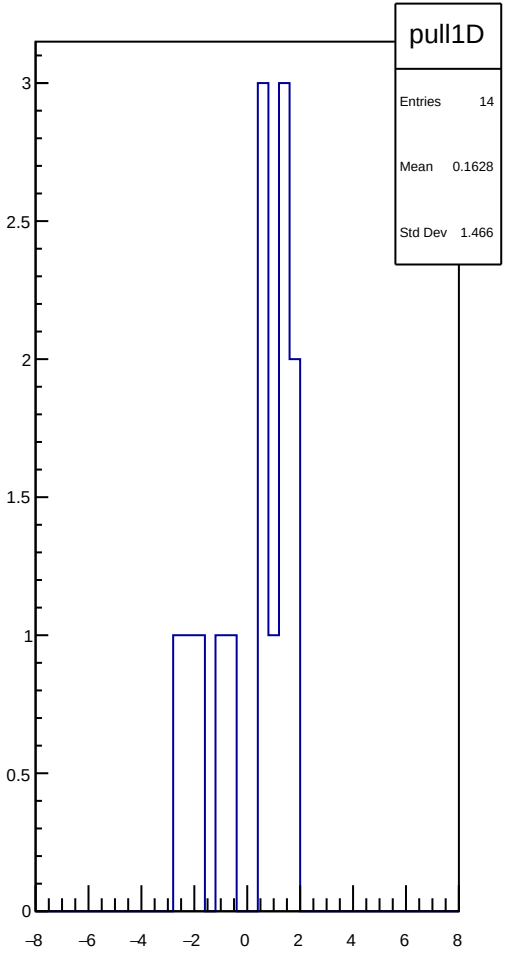

pull
Entries 14
Mean −3305
Std Dev 3312
1.5
1
0.5
0
−0.5
−1
−1.5

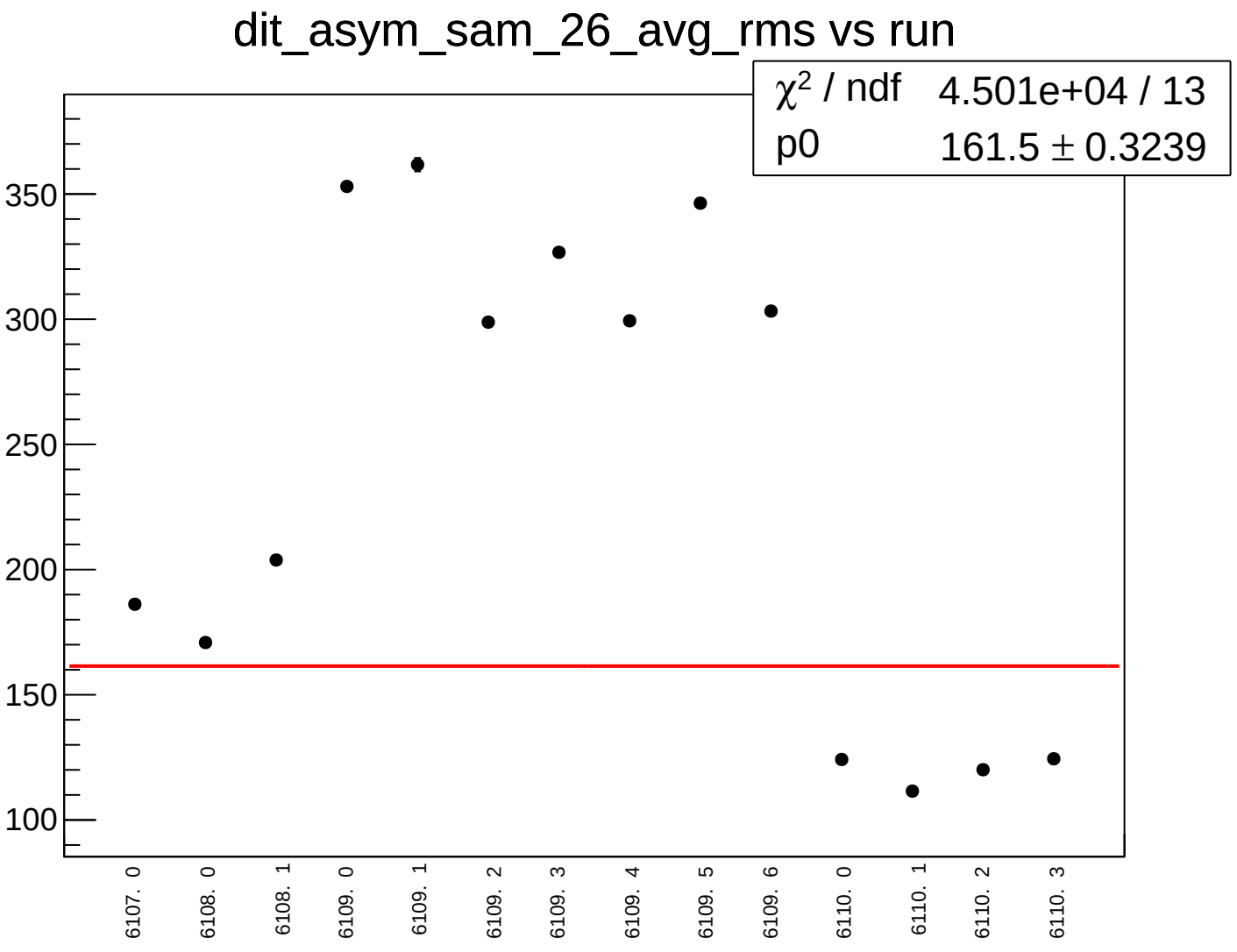

pull1D
Entries 14
Mean −0.0004431
Std Dev 0.8297
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

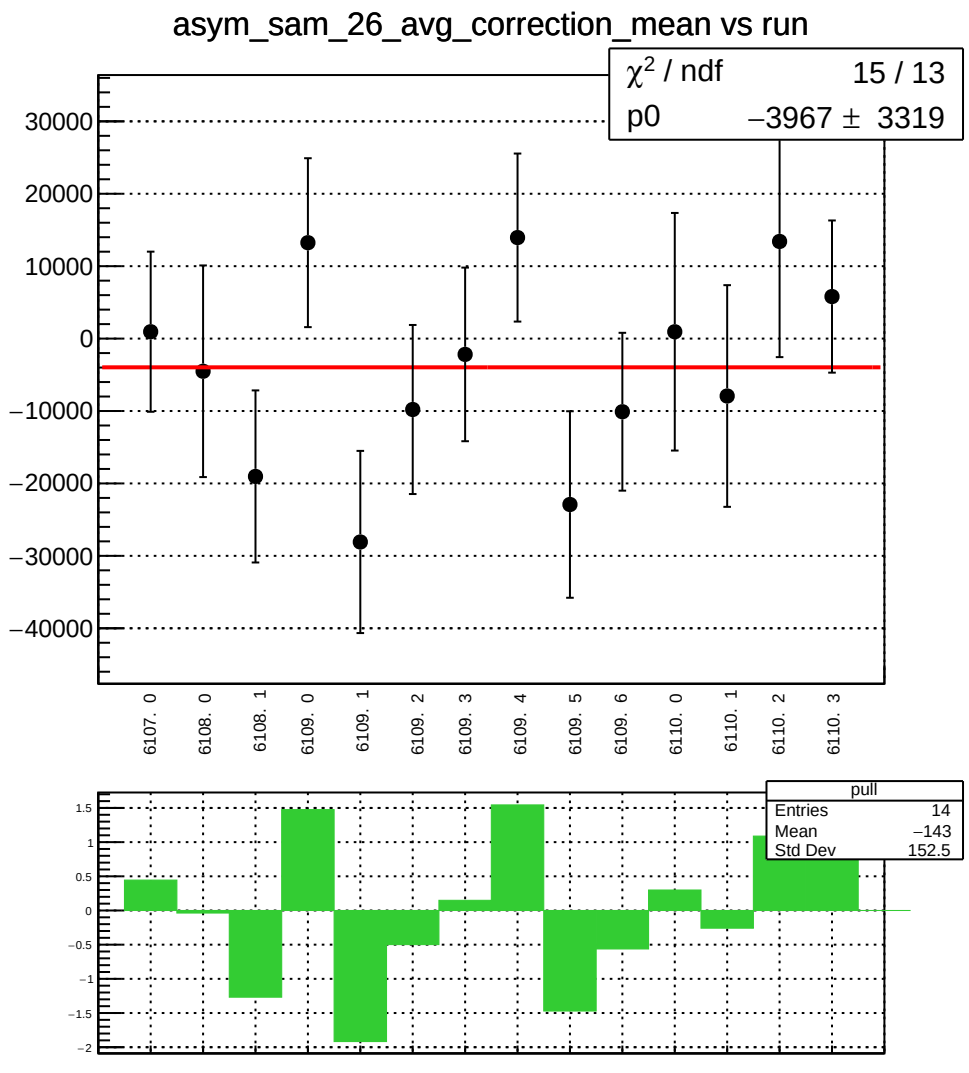

asym_sam_15_avg_rms vs run
χ² / ndf 234.9 / 13
p0 448.5 ± 0.8284
480
470
460
450
440
430
420
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

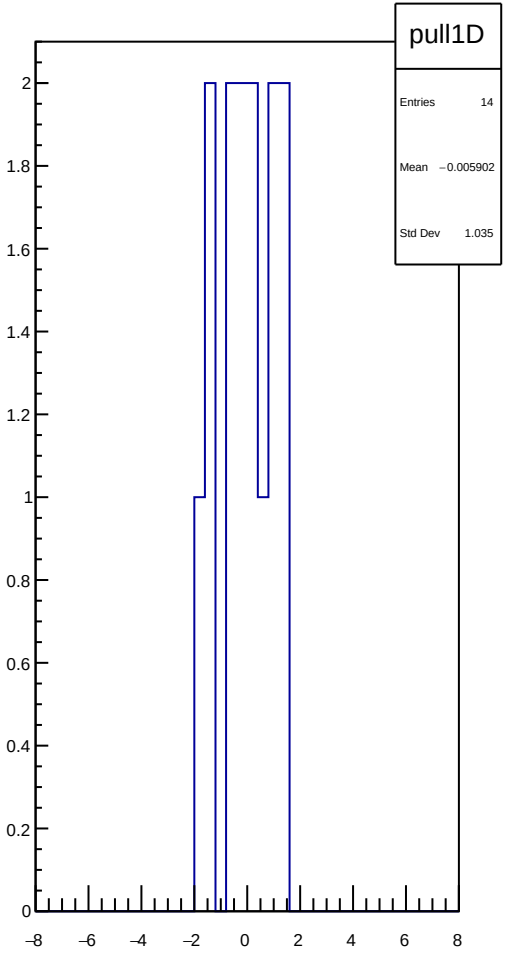

dit_asym_sam_26_avg_mean vs run
χ² / ndf 30.46 / 13
p0 476.4 ± 458.1
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

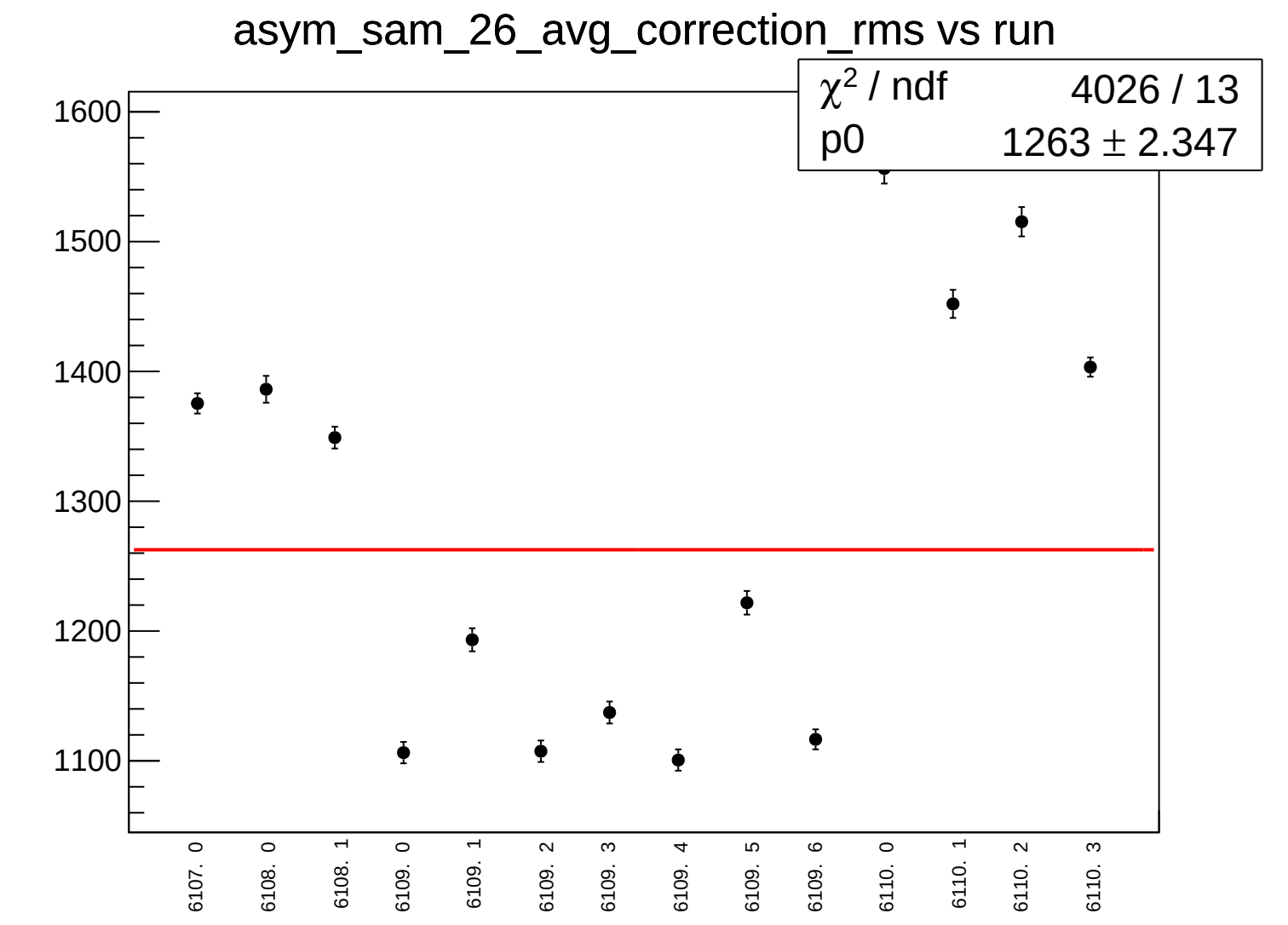

pull
Entries 14
Mean −0.2339
Std Dev 7.418

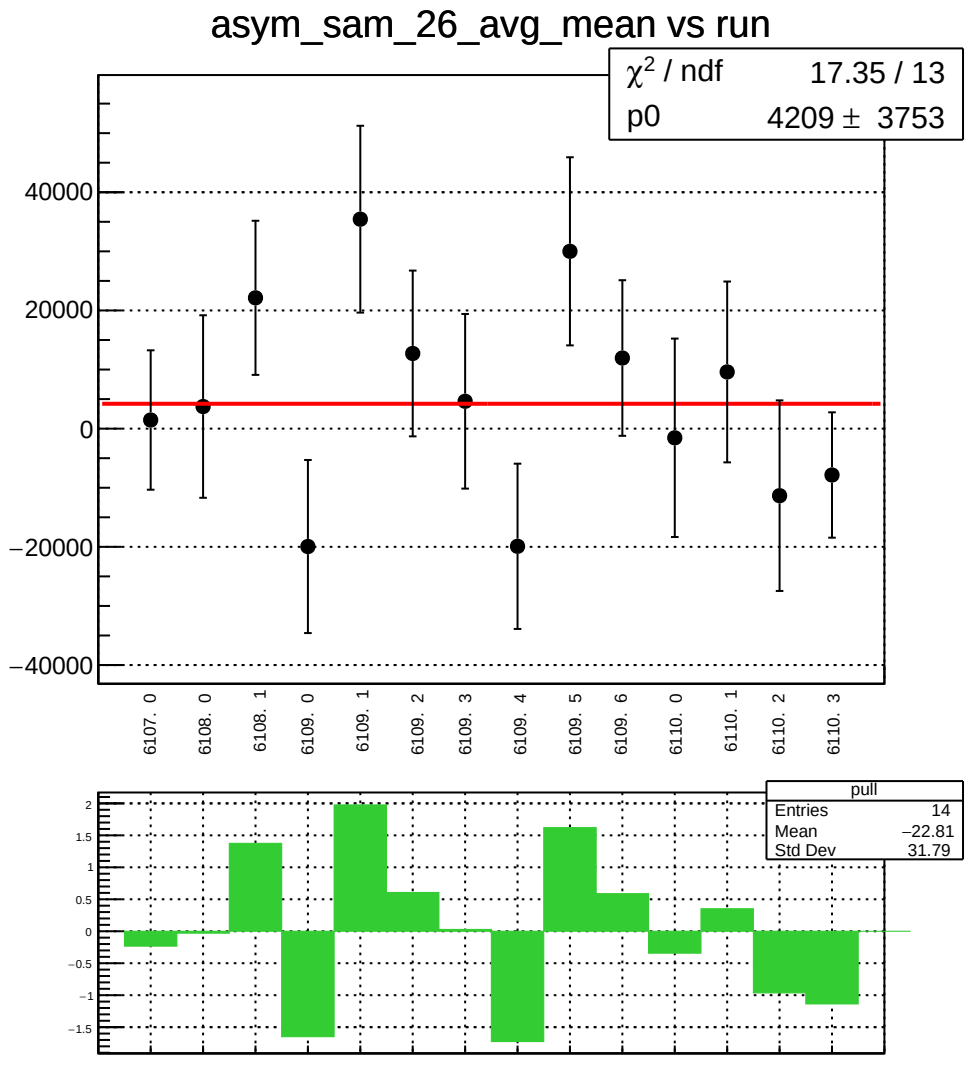

pull1D
Entries 14
Mean 0.1628
Std Dev 1.466

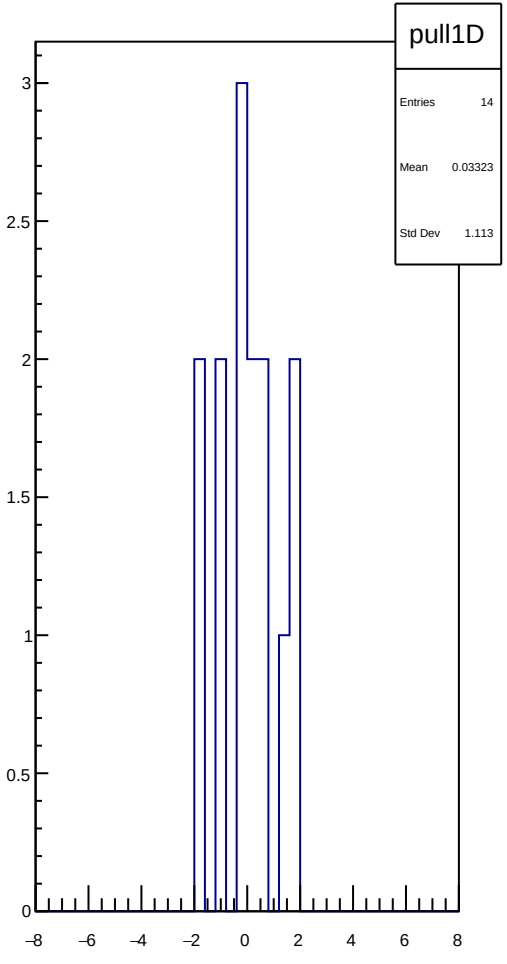

dit_asym_sam_26_avg_rms vs run
χ² / ndf 4.501e+04 / 13
p0 161.5 ± 0.3239
350
300
250
200
150
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

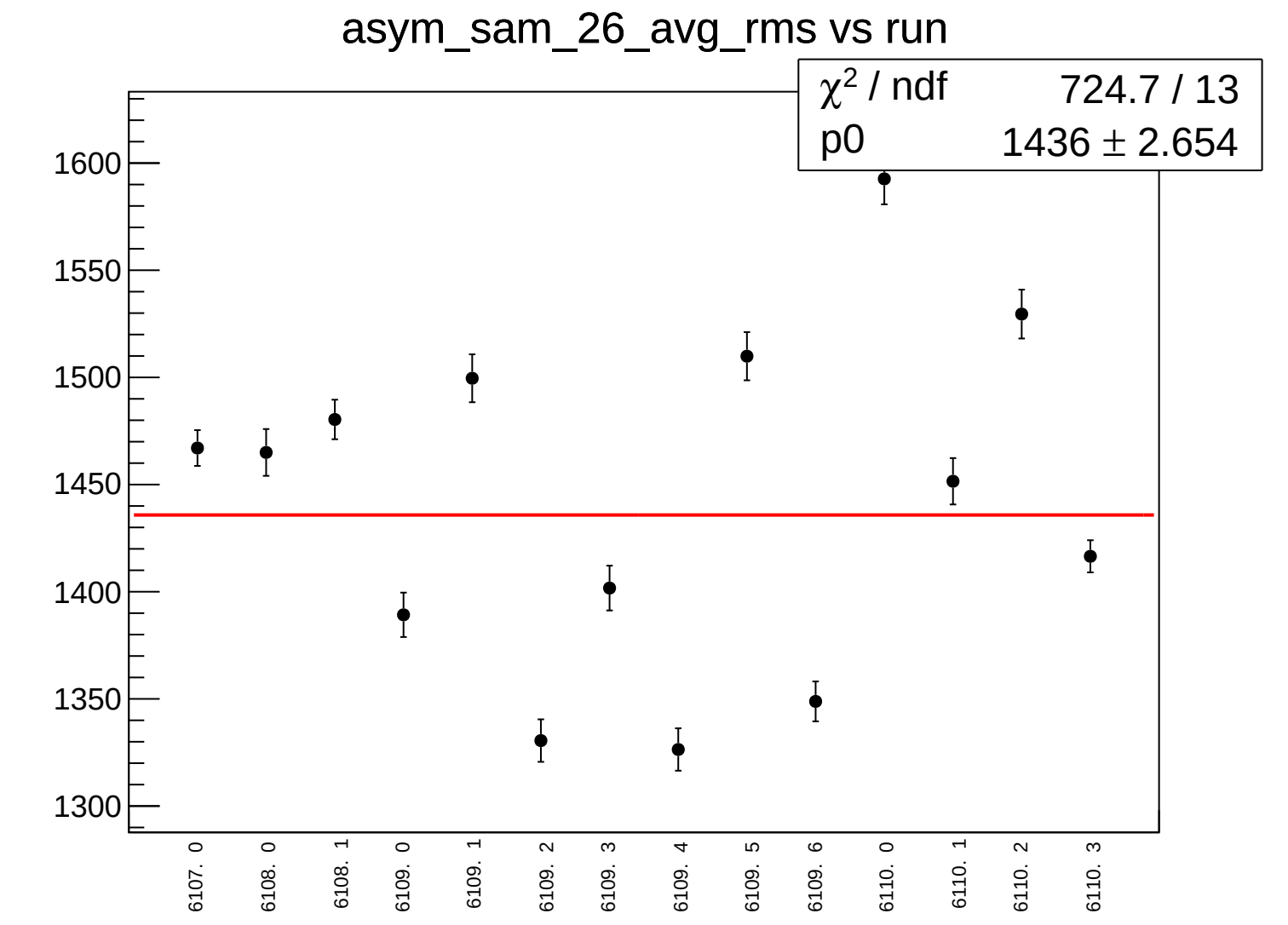

asym_sam_26_avg_correction_mean vs run
χ² / ndf 15 / 13
p0 −3967 ± 3319
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −143
Std Dev 152.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

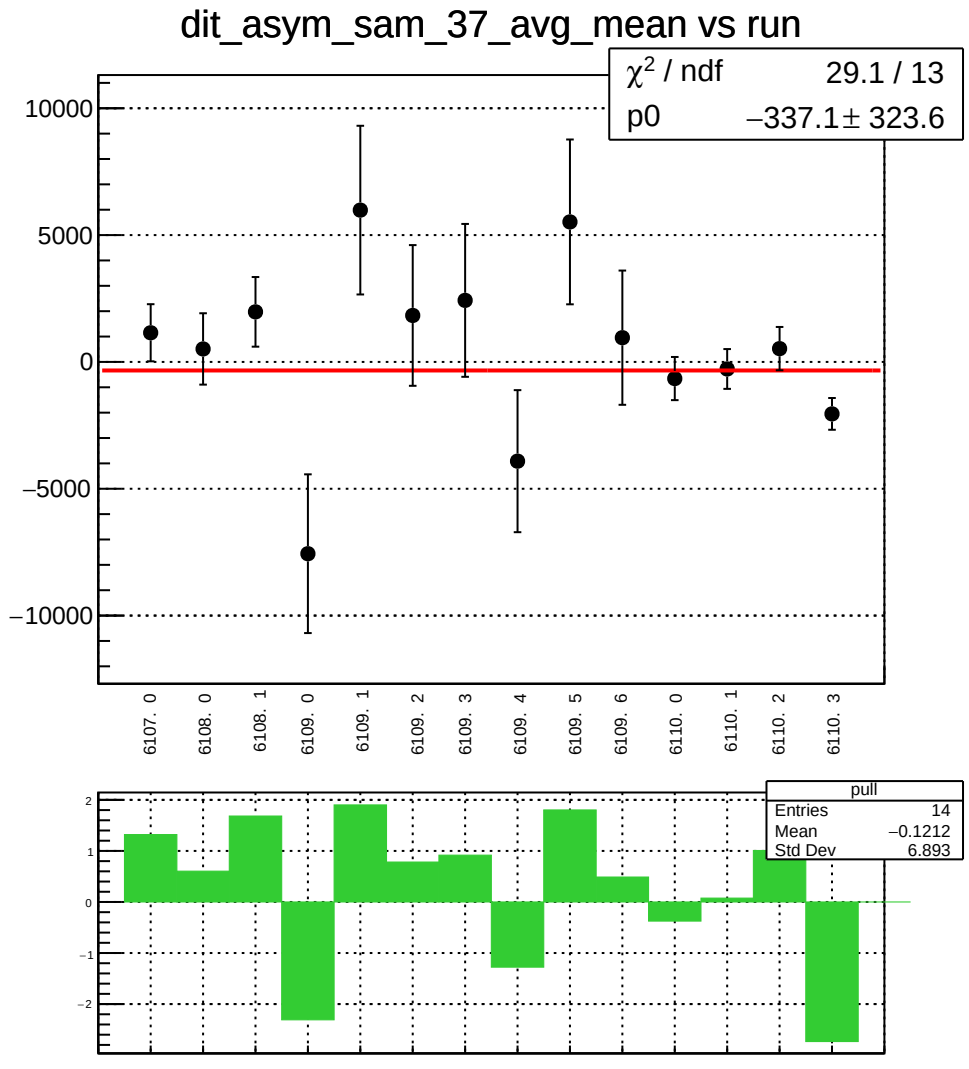

pull1D
Entries 14
Mean −0.005902
Std Dev 1.035
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

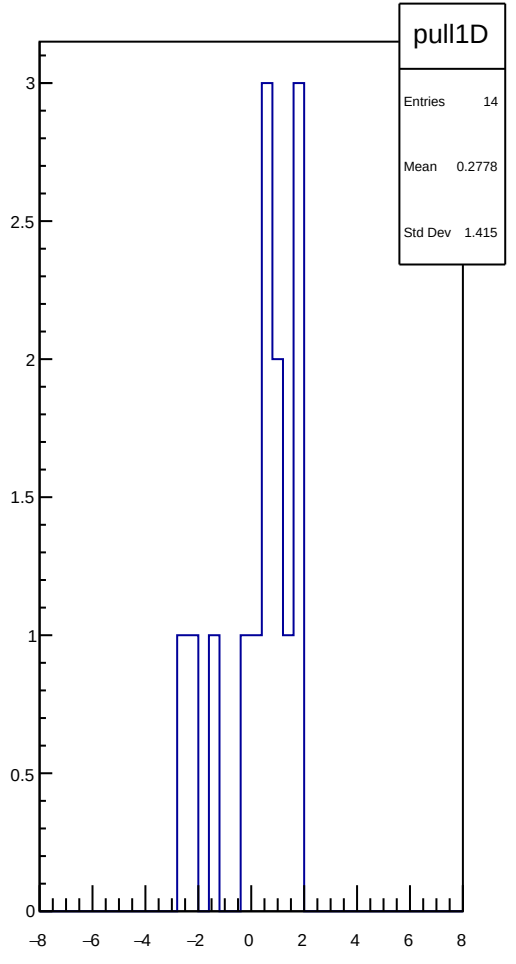

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4026 / 13
p0 1263 ± 2.347
1600
1500
1400
1300
1200
1100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

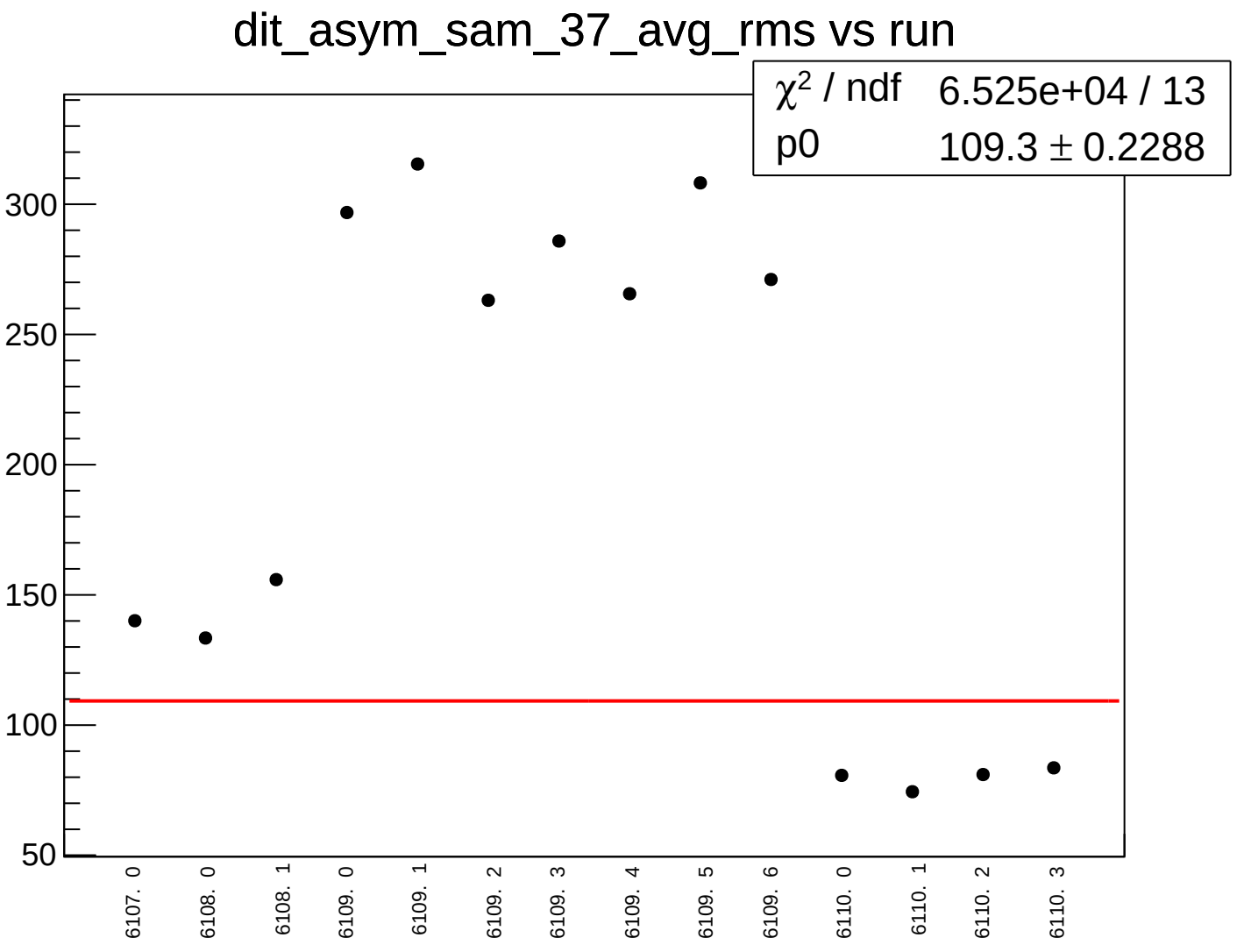

asym_sam_26_avg_mean vs run
χ² / ndf 17.35 / 13
p0 4209 ± 3753
40000
20000
0
−20000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −22.81
Std Dev 31.79
2
1.5
1
0.5
0
−0.5
−1
−1.5

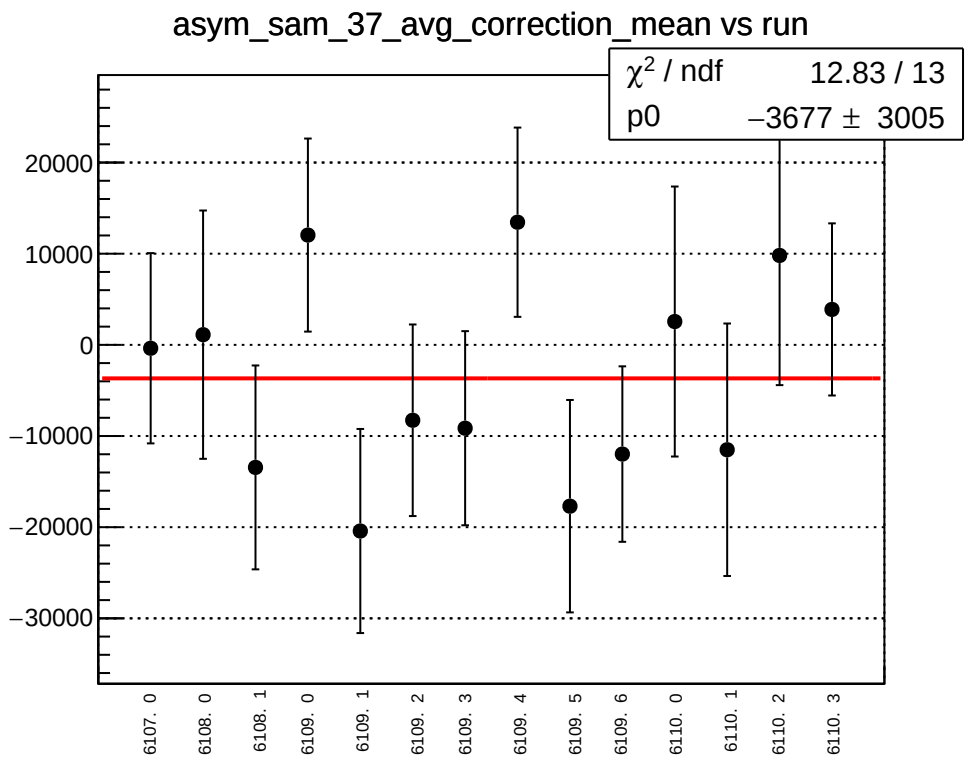

pull1D
Entries 14
Mean 0.03323
Std Dev 1.113
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

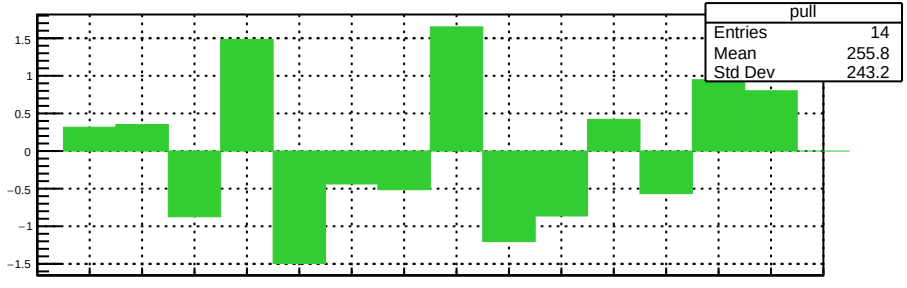

asym_sam_26_avg_rms vs run
χ² / ndf 724.7 / 13
p0 1436 ± 2.654
1600
1550
1500
1450
1400
1350
1300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

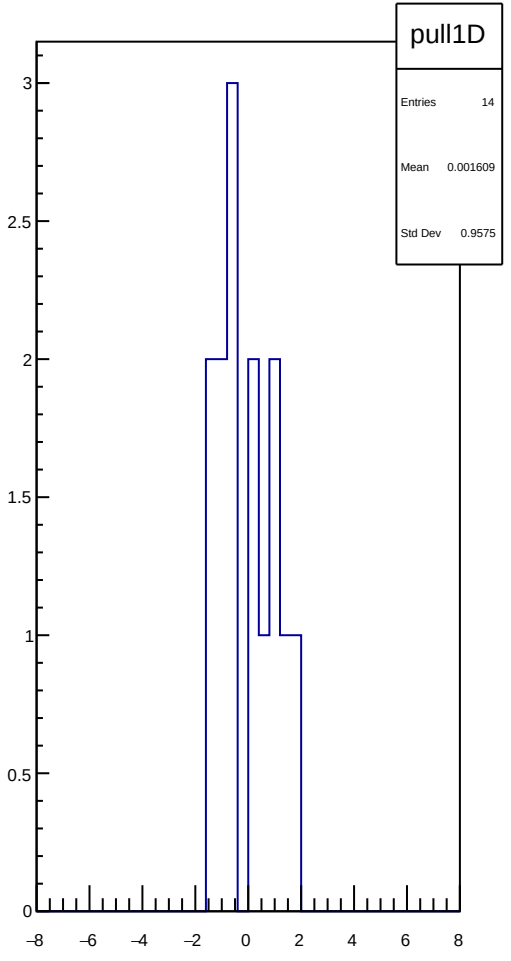

dit_asym_sam_37_avg_mean vs run
χ² / ndf 29.1 / 13
p0 −337.1± 323.6
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.1212
Std Dev 6.893
2
1
0
−1
−2

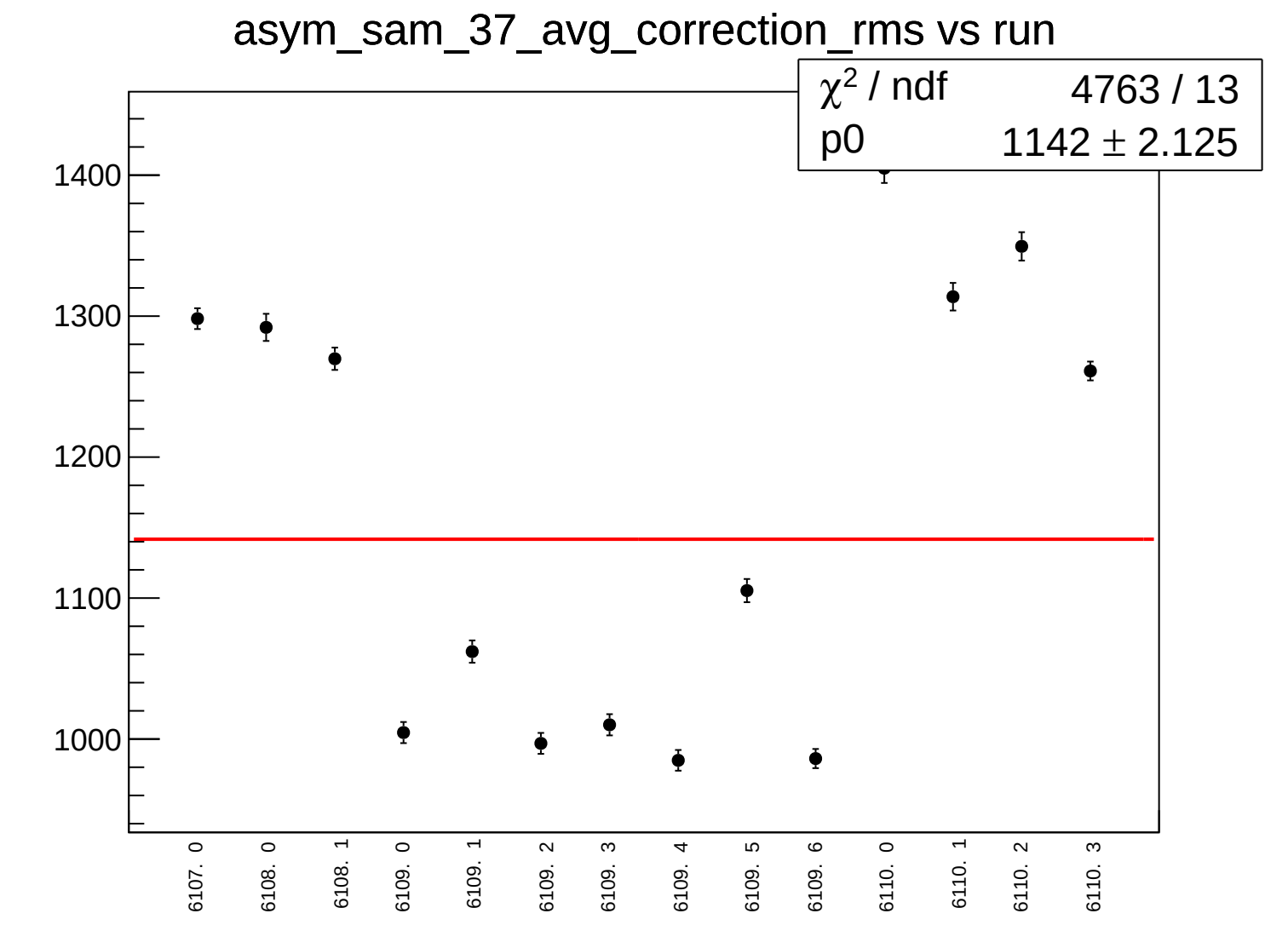

pull1D
Entries 14
Mean 0.2778
Std Dev 1.415
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

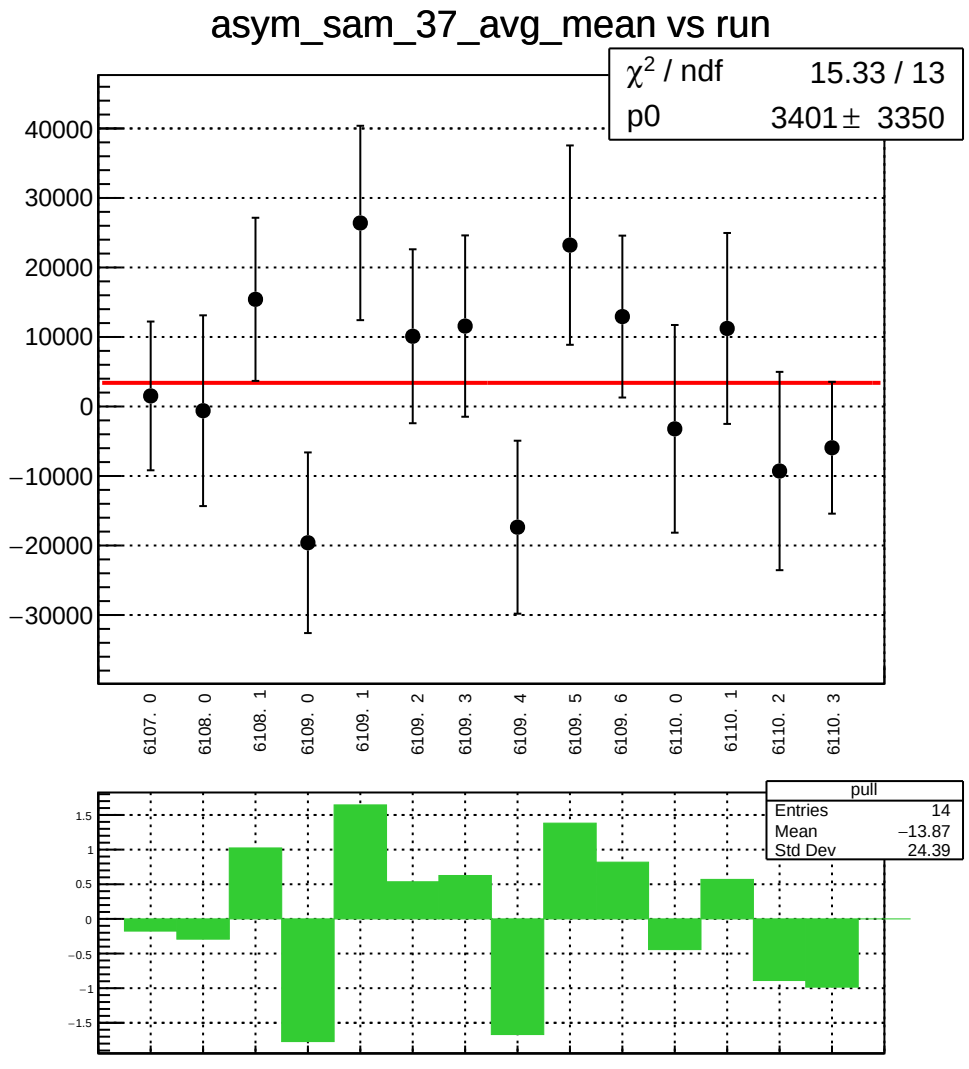

dit_asym_sam_37_avg_rms vs run
χ² / ndf 6.525e+04 / 13
p0 109.3 ± 0.2288
300
250
200
150
100
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

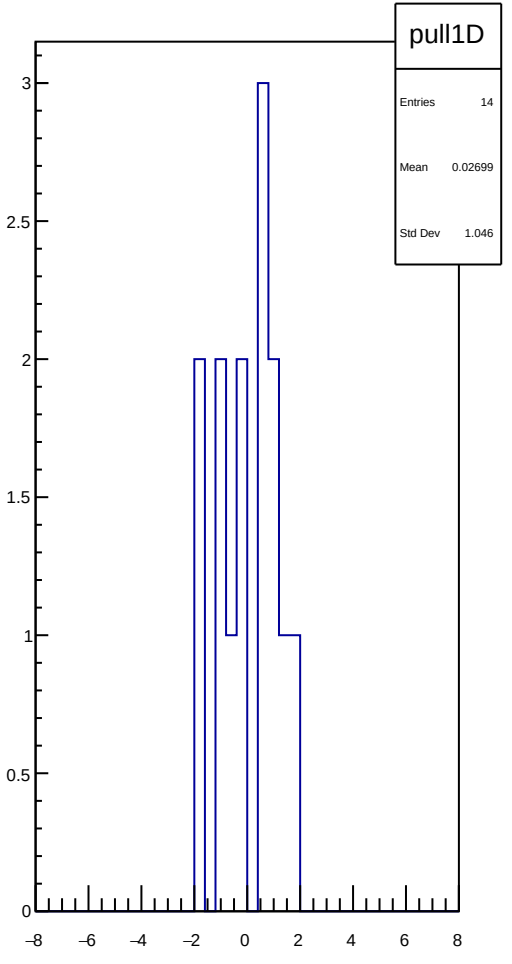

asym_sam_37_avg_correction_mean vs run
χ² / ndf 12.83 / 13
p0 −3677 ± 3005
20000
10000
0
−10000
−20000
−30000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

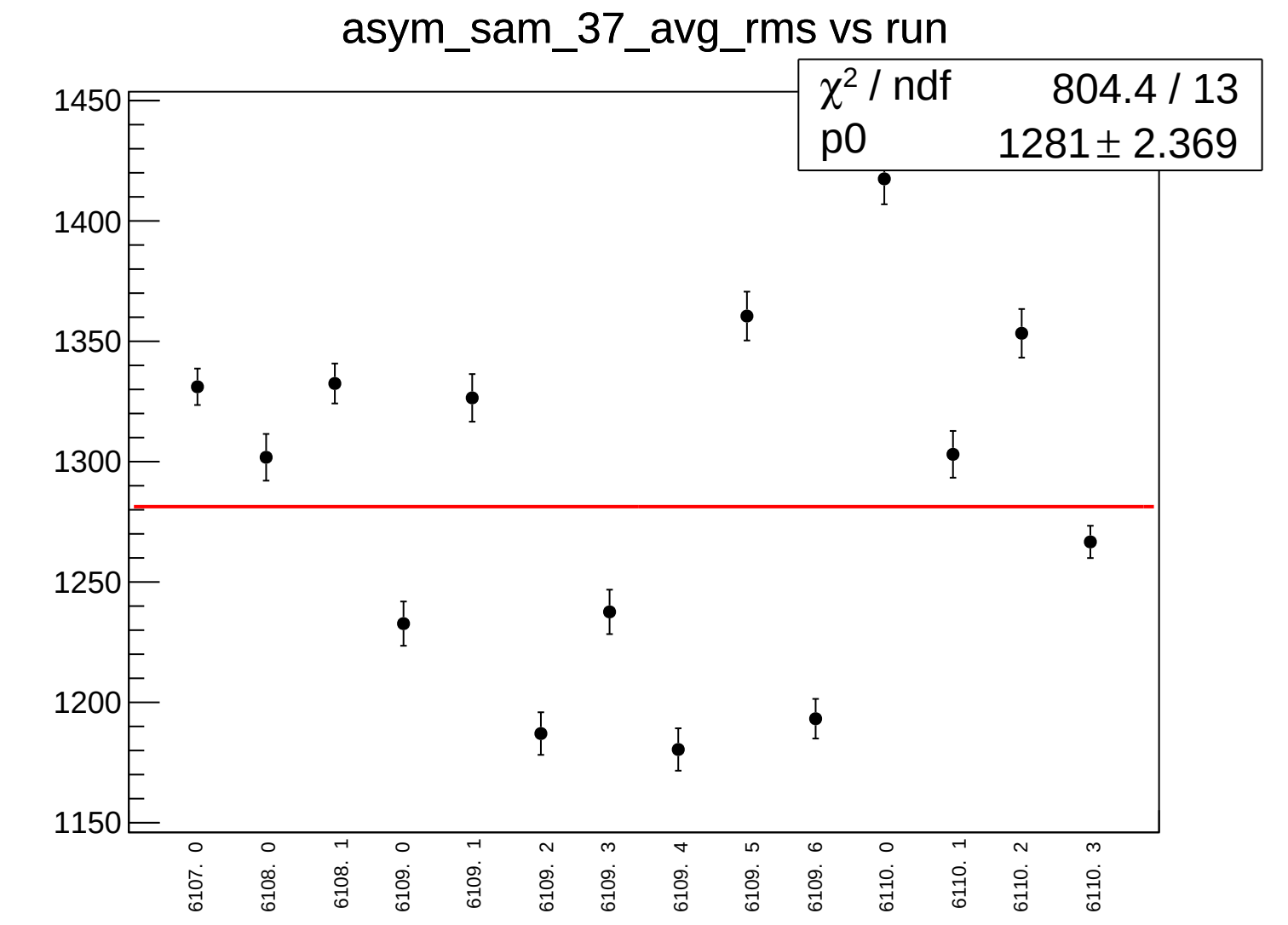

pull
Entries 14
Mean 255.8
Std Dev 243.2
1.5
1
0.5
0
−0.5
−1
−1.5

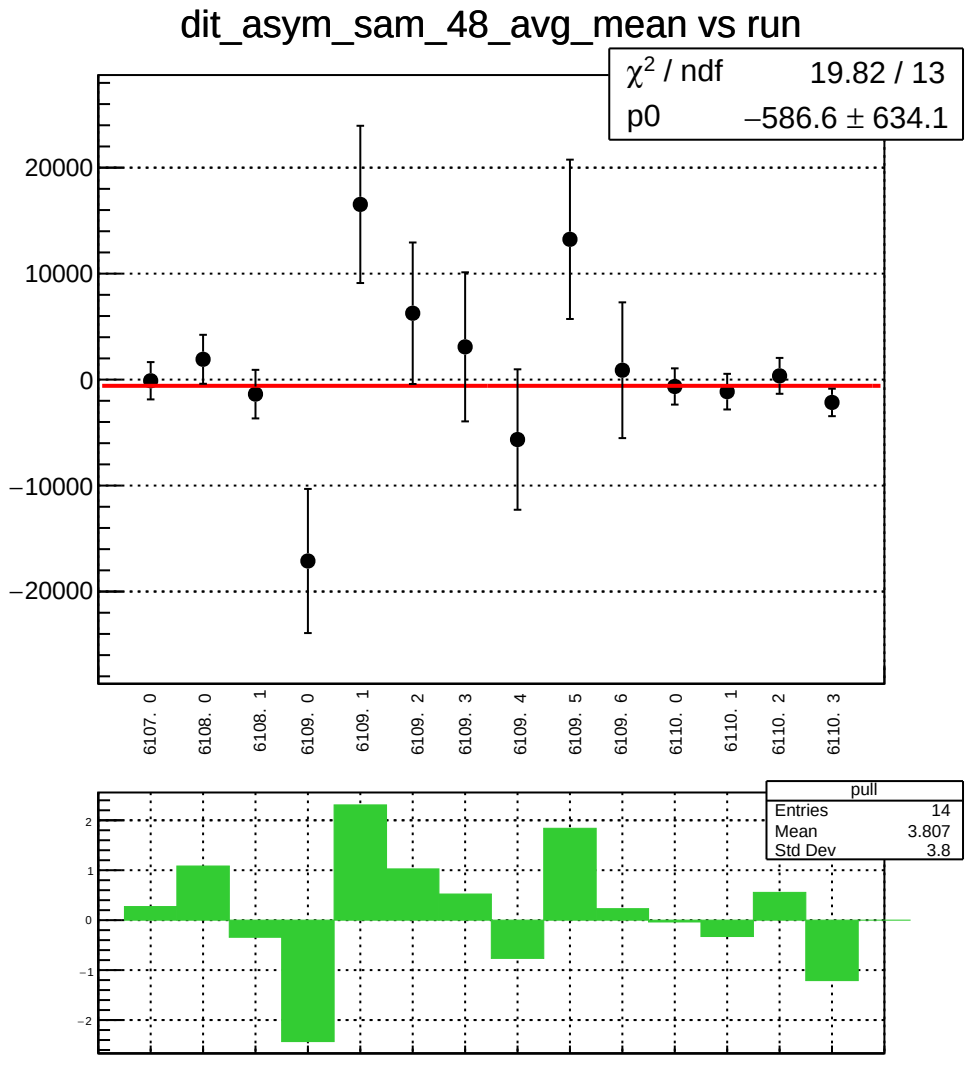

pull1D
Entries 14
Mean 0.001609
Std Dev 0.9575
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

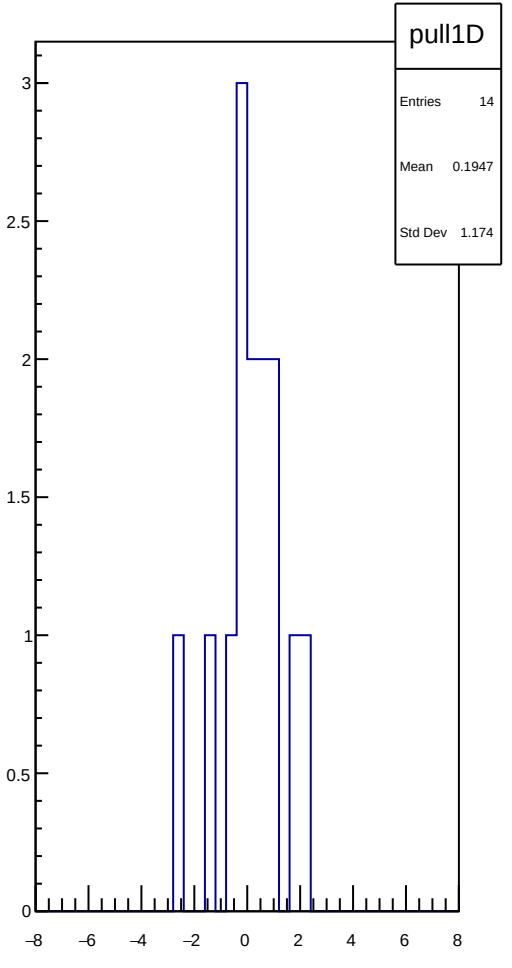

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4763 / 13
p0 1142 ± 2.125
1400
1300
1200
1100
1000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

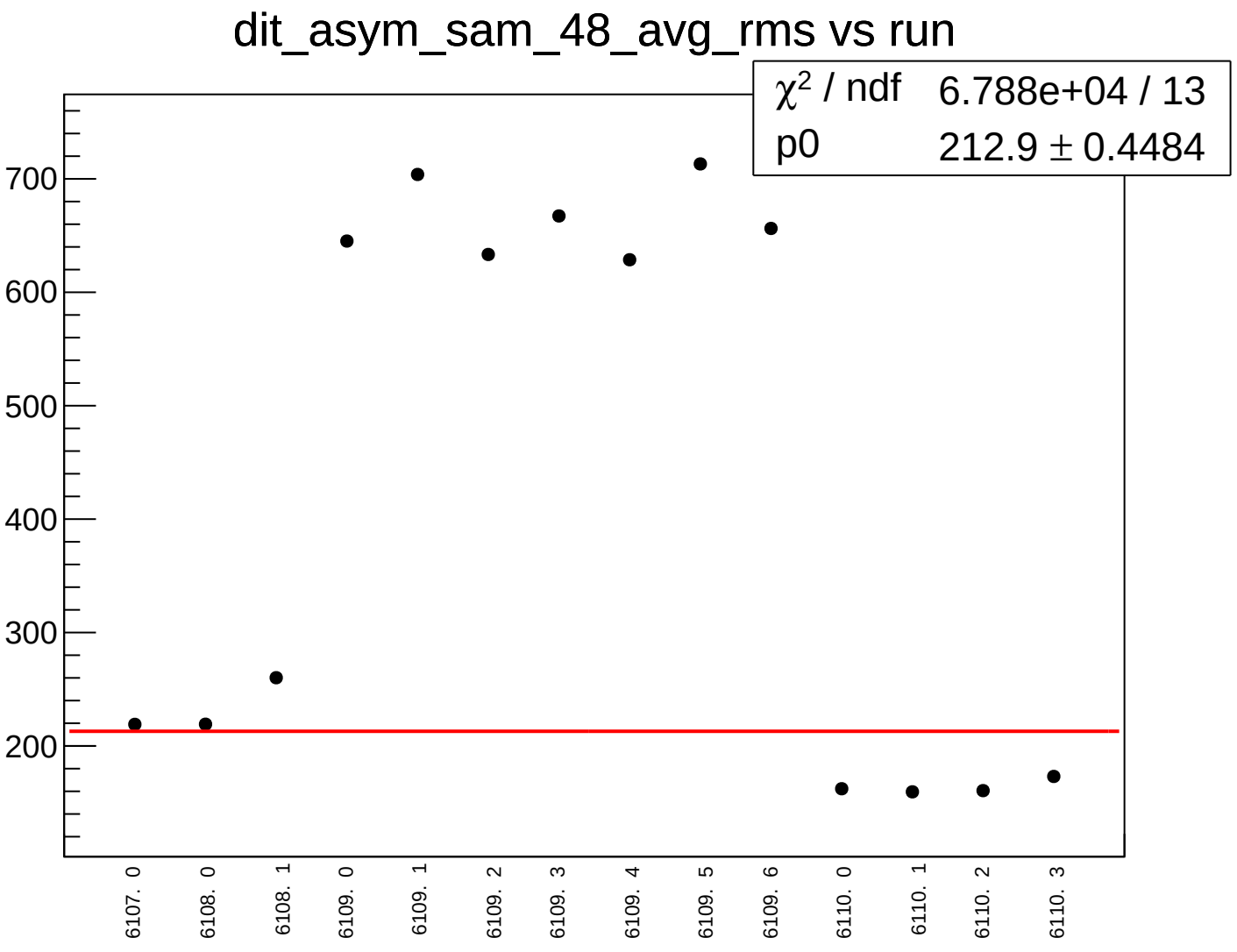

asym_sam_37_avg_mean vs run
χ² / ndf 15.33 / 13
p0 3401 ± 3350
40000
30000
20000
10000
0
−10000
−20000
−30000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −13.87
Std Dev 24.39
1.5
1
0.5
0
−0.5
−1
−1.5

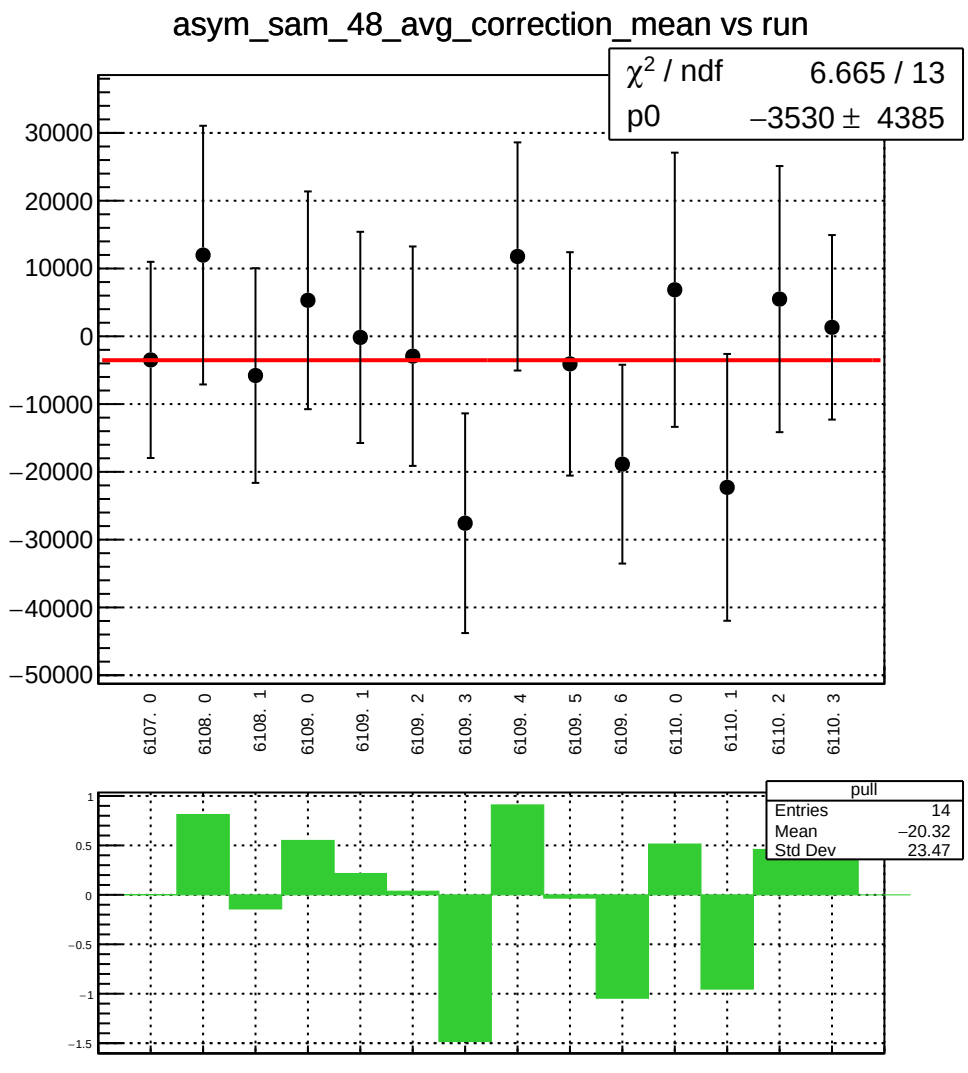

pull1D
Entries 14
Mean 0.02699
Std Dev 1.046
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

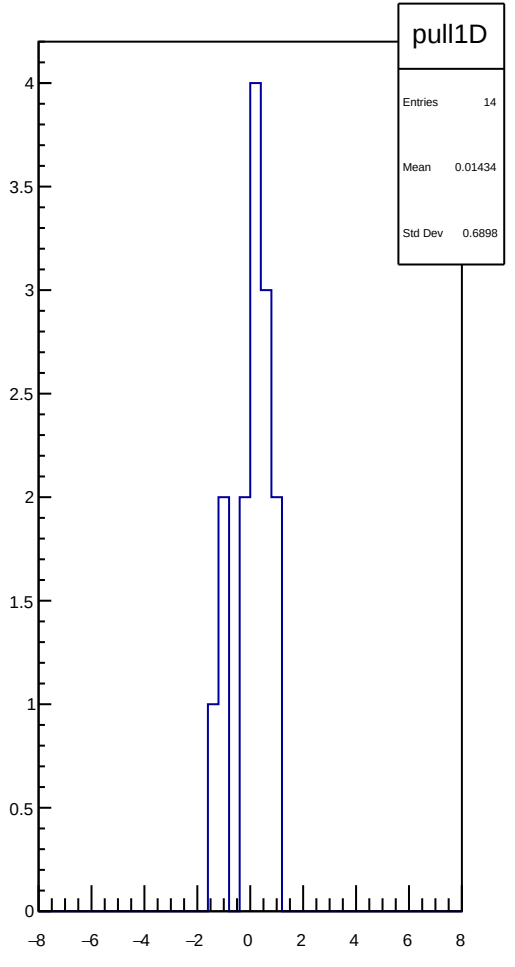

asym_sam_37_avg_rms vs run
χ² / ndf 804.4 / 13
p0 1281 ± 2.369
1450
1400
1350
1300
1250
1200
1150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

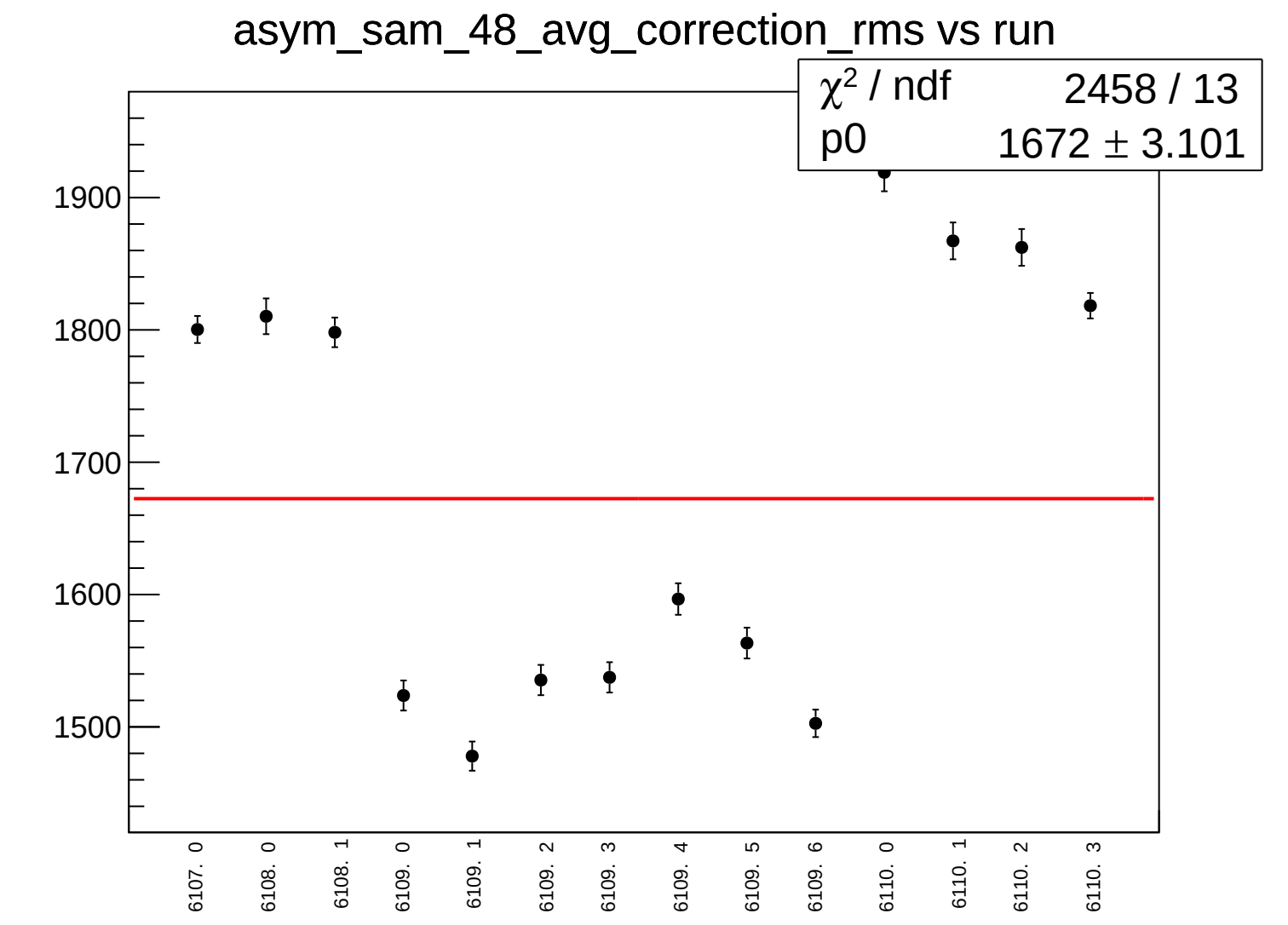

dit_asym_sam_48_avg_mean vs run
χ² / ndf 19.82 / 13
p0 −586.6 ± 634.1
20000
10000
0
−10000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 3.807
Std Dev 3.8
2
1
0
−1
−2

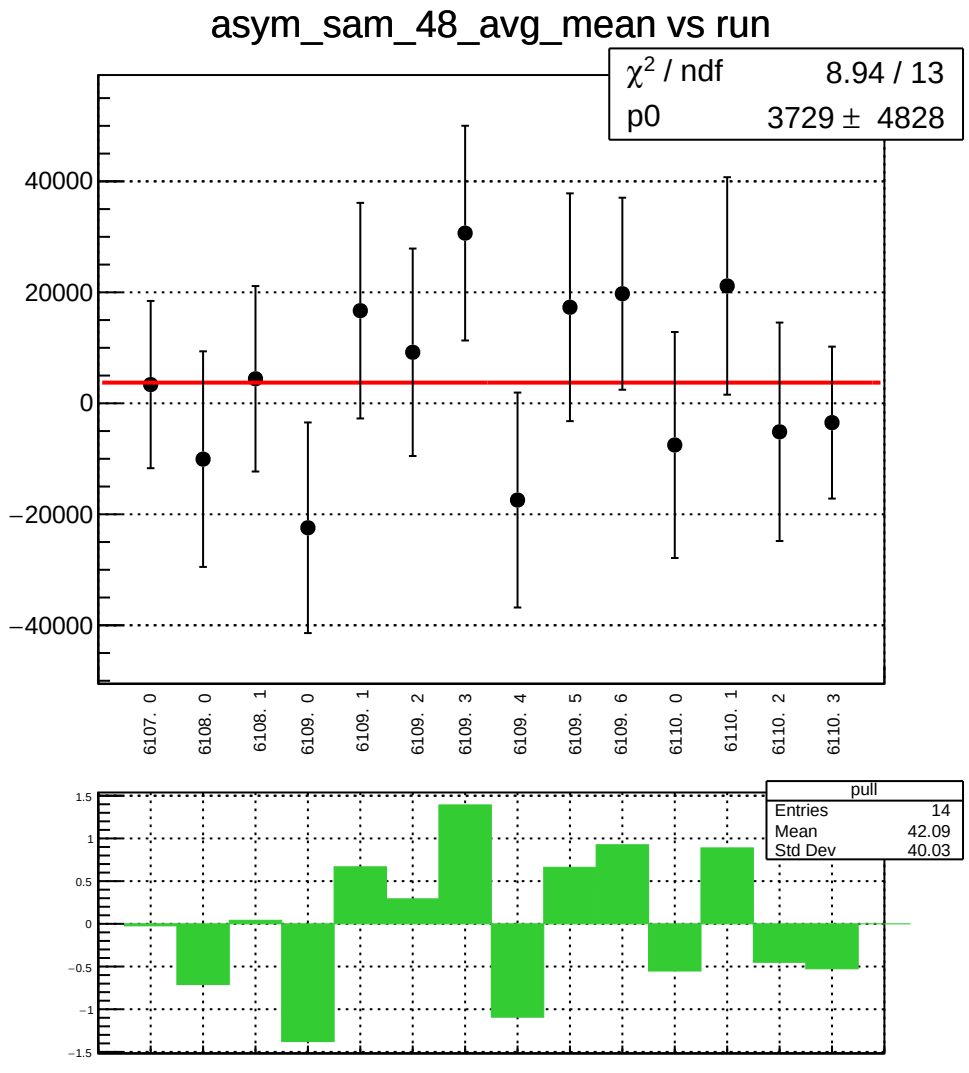

pull1D
Entries 14
Mean 0.1947
Std Dev 1.174
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

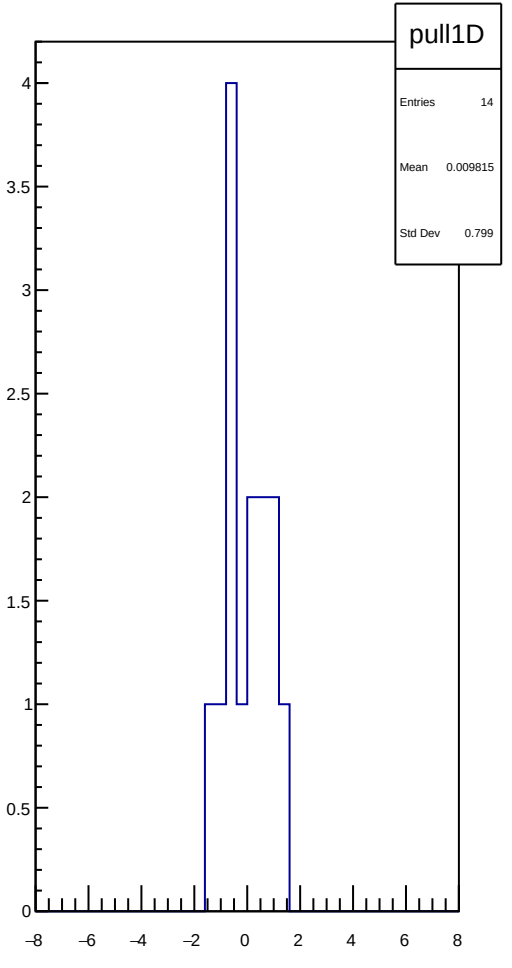

dit_asym_sam_48_avg_rms vs run
χ² / ndf 6.788e+04 / 13
p0 212.9 ± 0.4484
700
600
500
400
300
200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

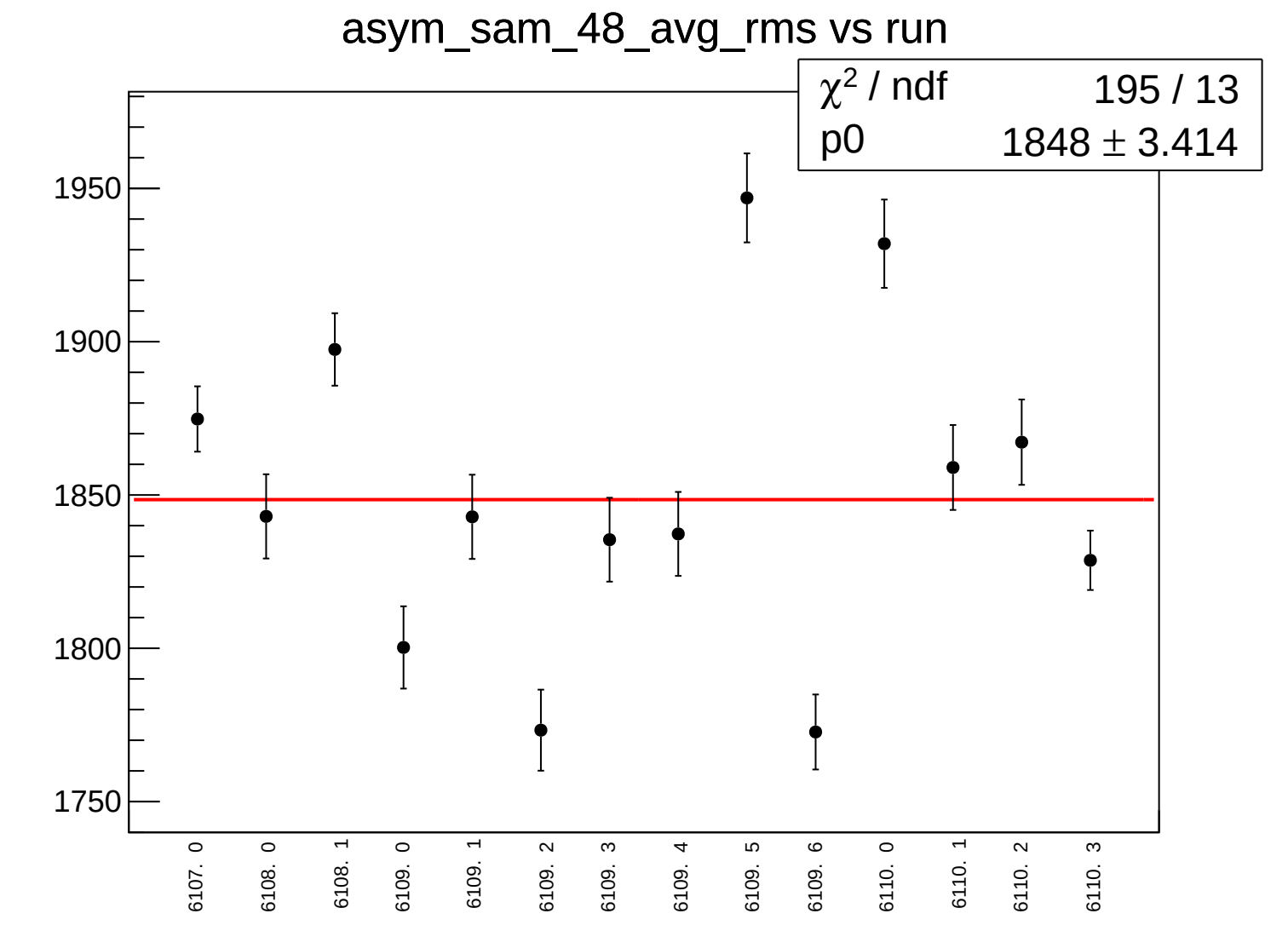

asym_sam_48_avg_correction_mean vs run
χ² / ndf 6.665 / 13
p0 −3530 ± 4385
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −20.32
Std Dev 23.47
1
0.5
0
−0.5
−1
−1.5

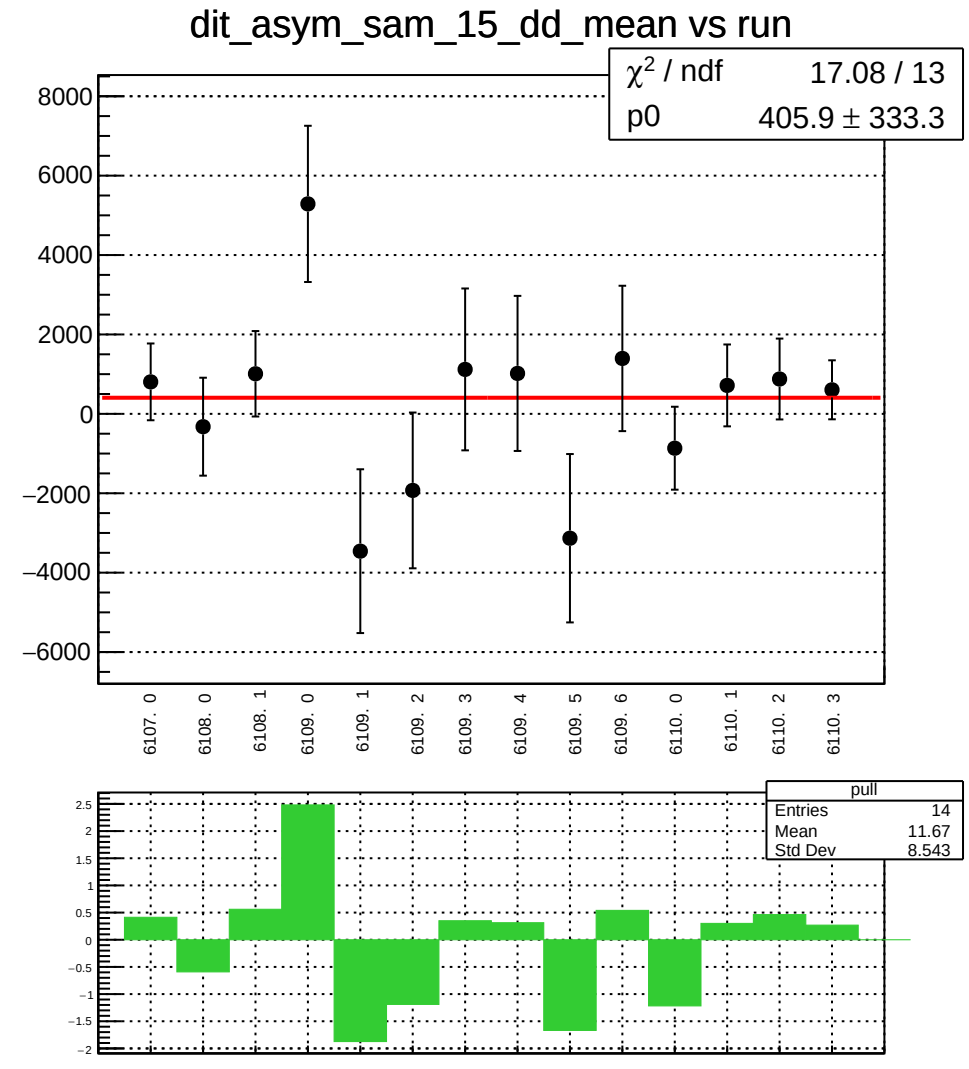

pull1D
Entries 14
Mean 0.01434
Std Dev 0.6898
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

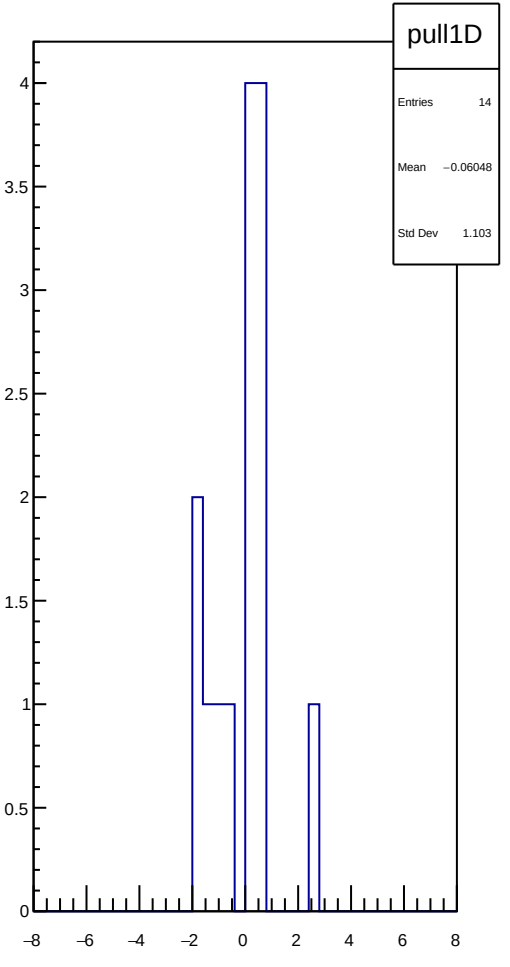

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2458 / 13
p0 1672 ± 3.101
1900
1800
1700
1600
1500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

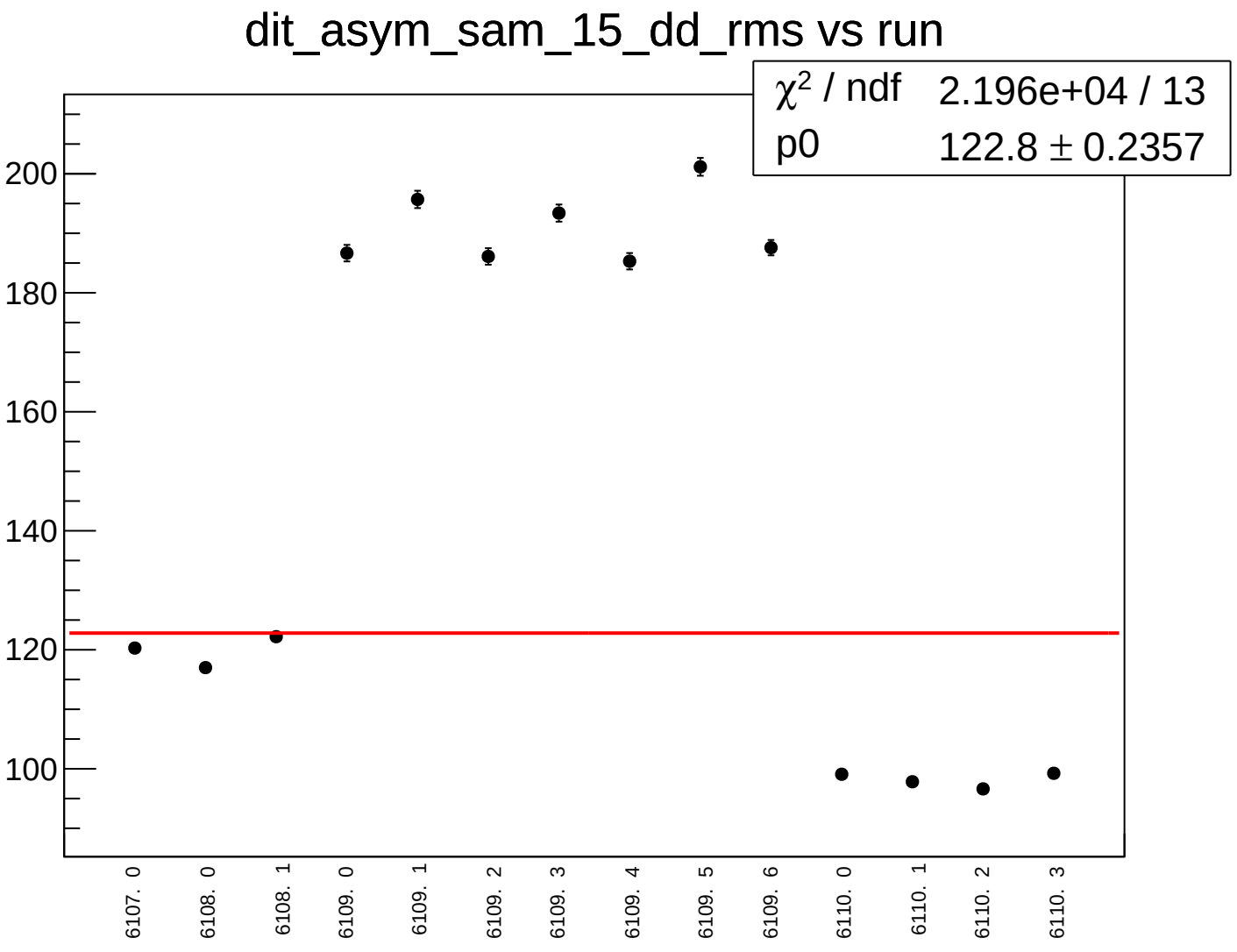

asym_sam_48_avg_mean vs run
χ² / ndf 8.94 / 13
p0 3729 ± 4828
40000
20000
0
−20000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 42.09
Std Dev 40.03
1.5
1
0.5
0
−0.5
−1
−1.5

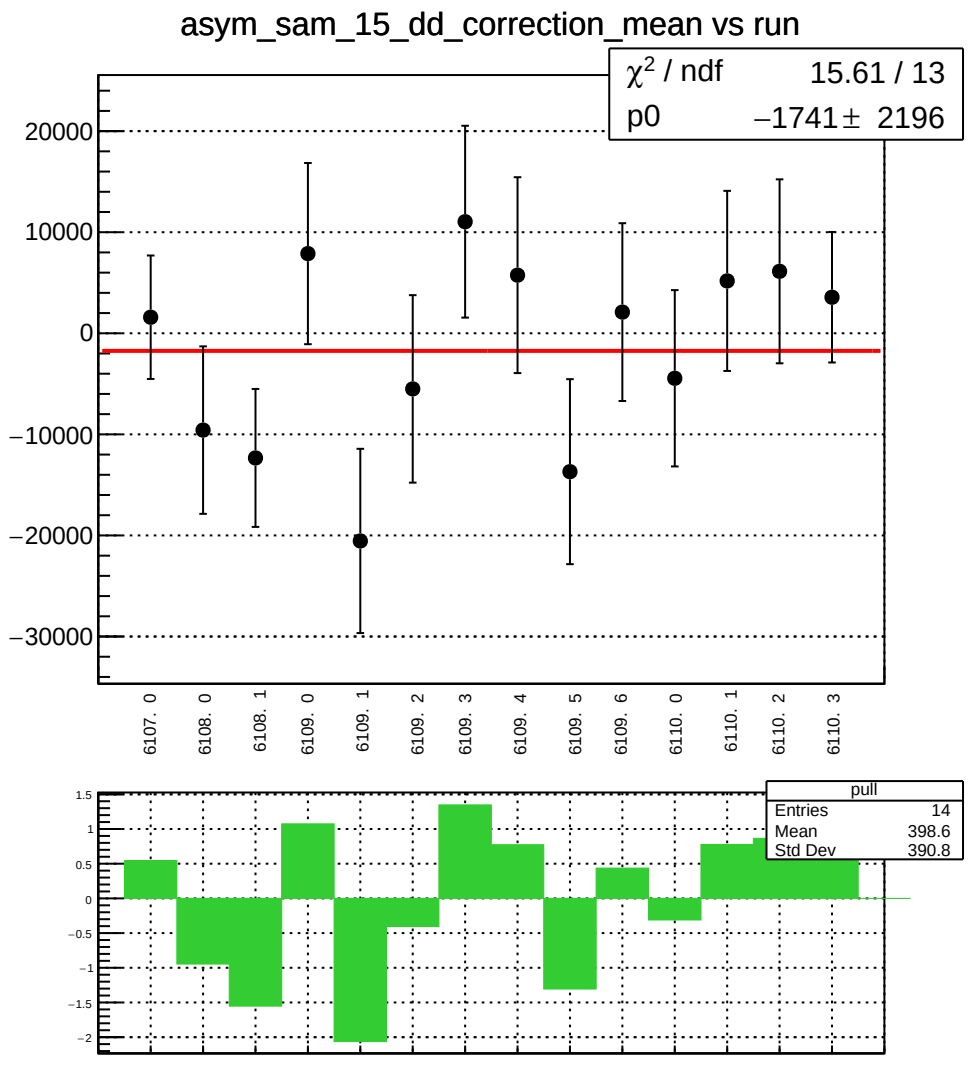

pull1D
Entries 14
Mean 0.009815
Std Dev 0.799
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

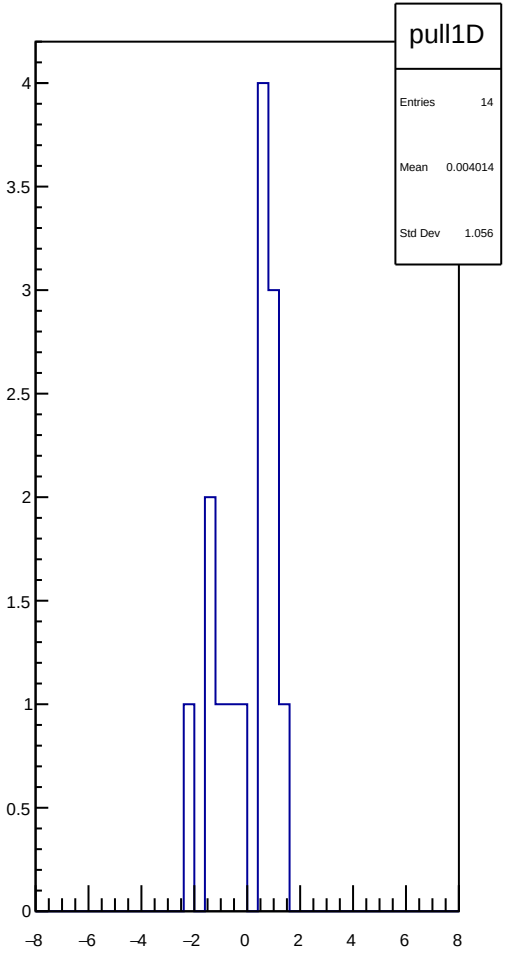

asym_sam_48_avg_rms vs run
χ² / ndf 195 / 13
p0 1848 ± 3.414
1950
1900
1850
1800
1750
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

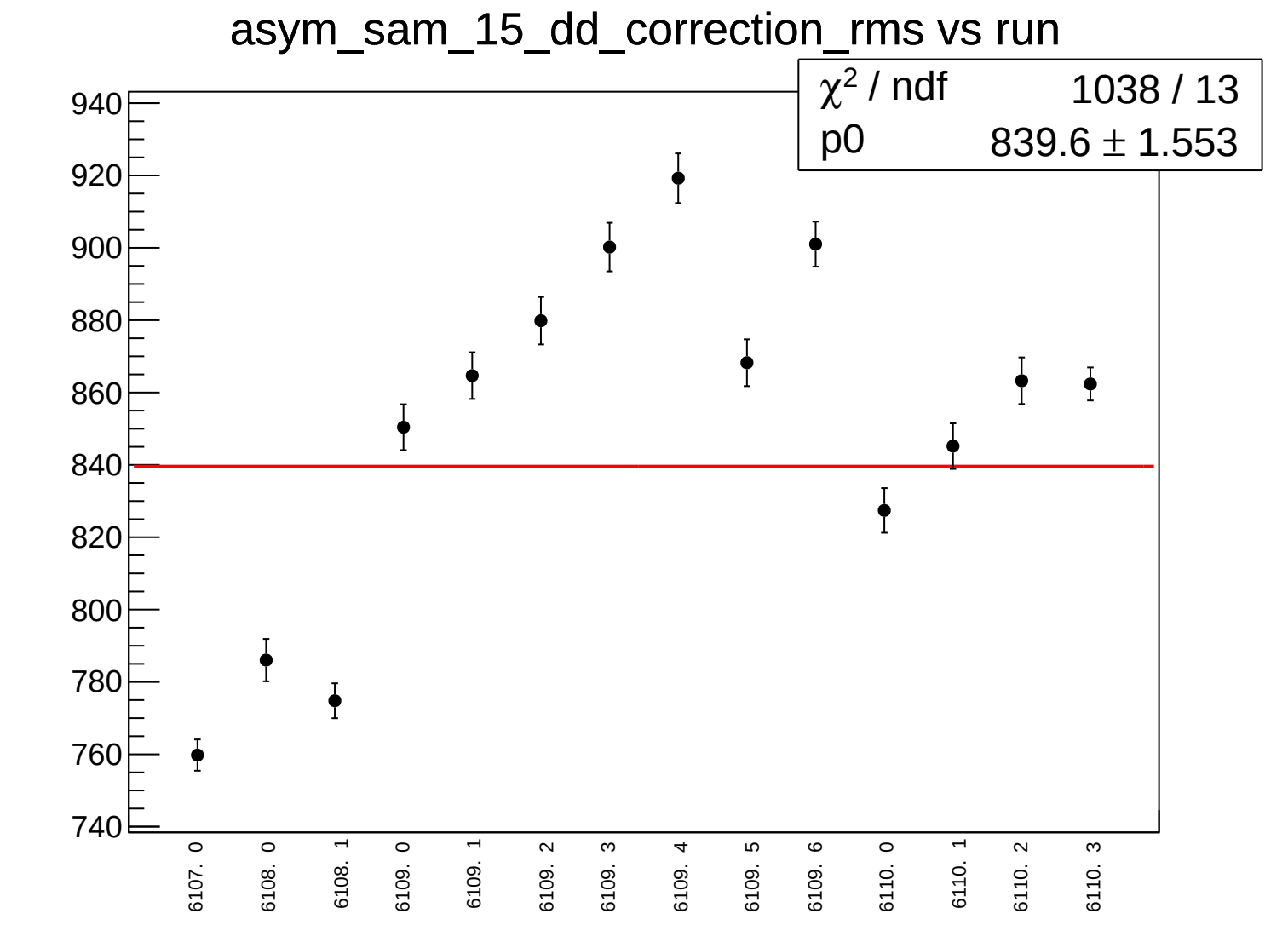

dit_asym_sam_15_dd_mean vs run
χ² / ndf 17.08 / 13
p0 405.9 ± 333.3
8000
6000
4000
2000
0
−2000
−4000
−6000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 11.67
Std Dev 8.543
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

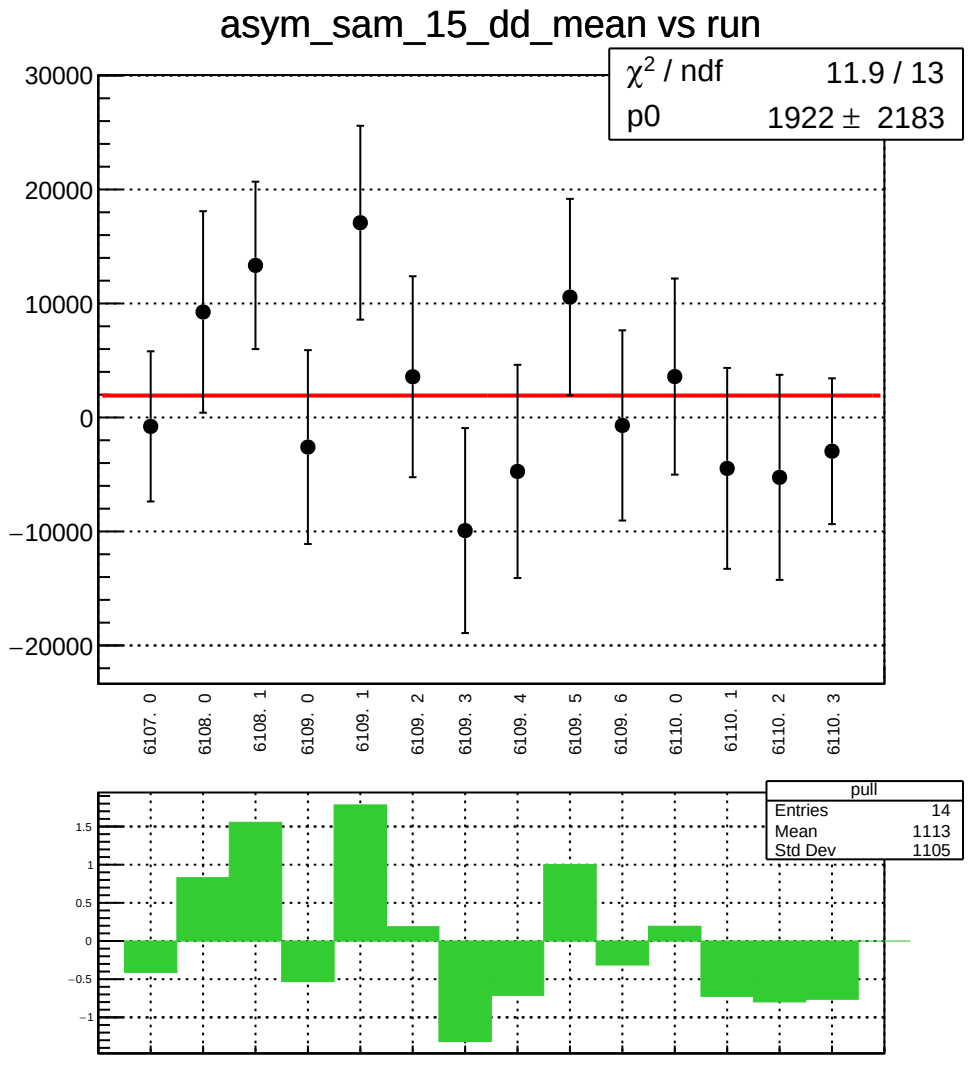

pull1D
Entries 14
Mean −0.06048
Std Dev 1.103
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

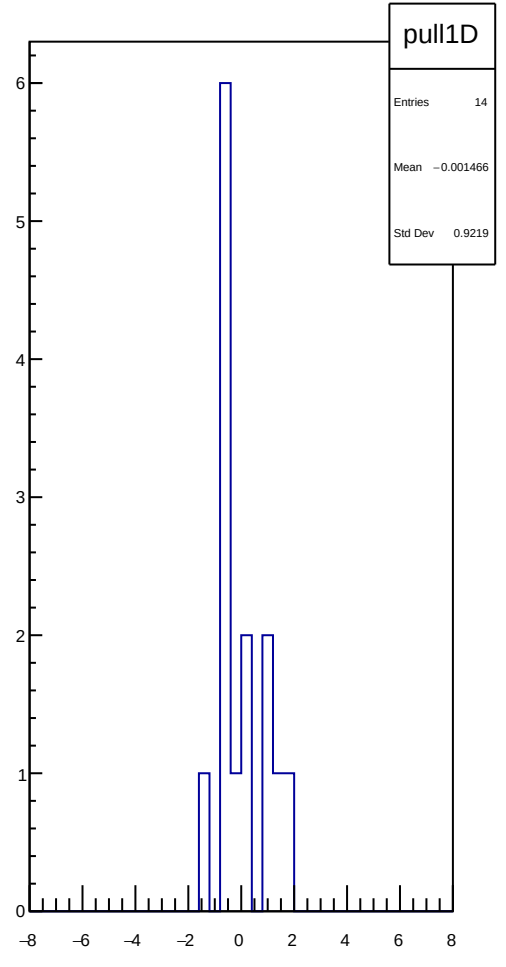

dit_asym_sam_15_dd_rms vs run
χ² / ndf 2.196e+04 / 13
p0 122.8 ± 0.2357
200
180
160
140
120
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

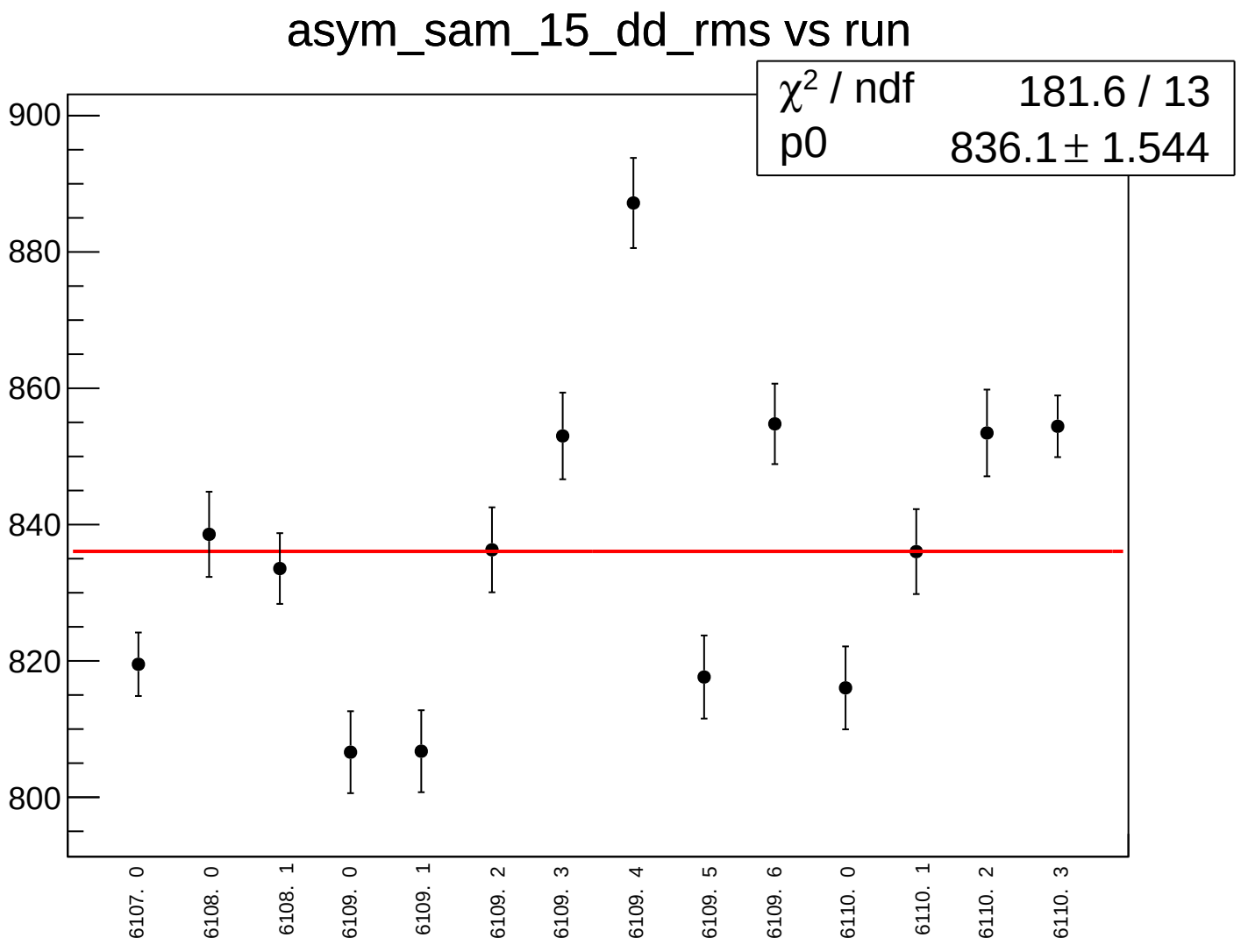

asym_sam_15_dd_correction_mean vs run
χ² / ndf 15.61 / 13
p0 −1741 ± 2196
20000
10000
0
−10000
−20000
−30000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 398.6
Std Dev 390.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

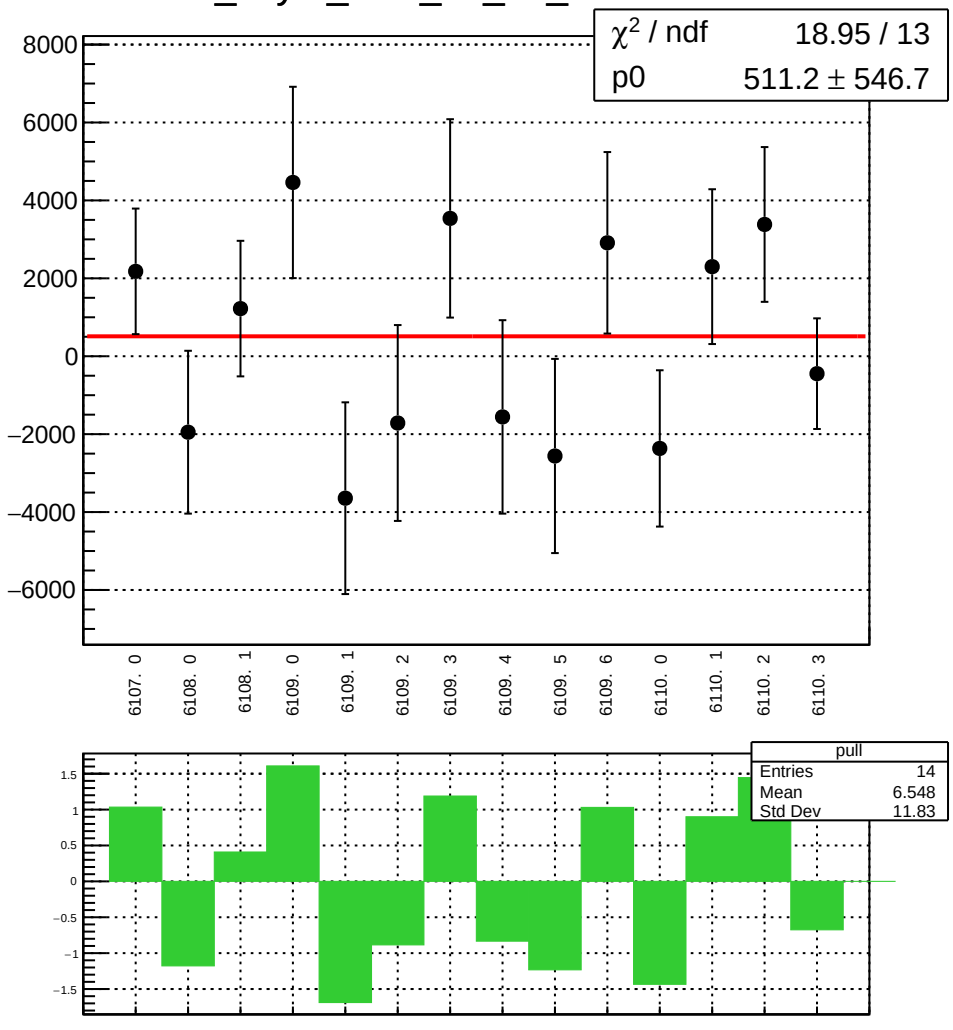

pull1D
Entries 14
Mean 0.004014
Std Dev 1.056
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

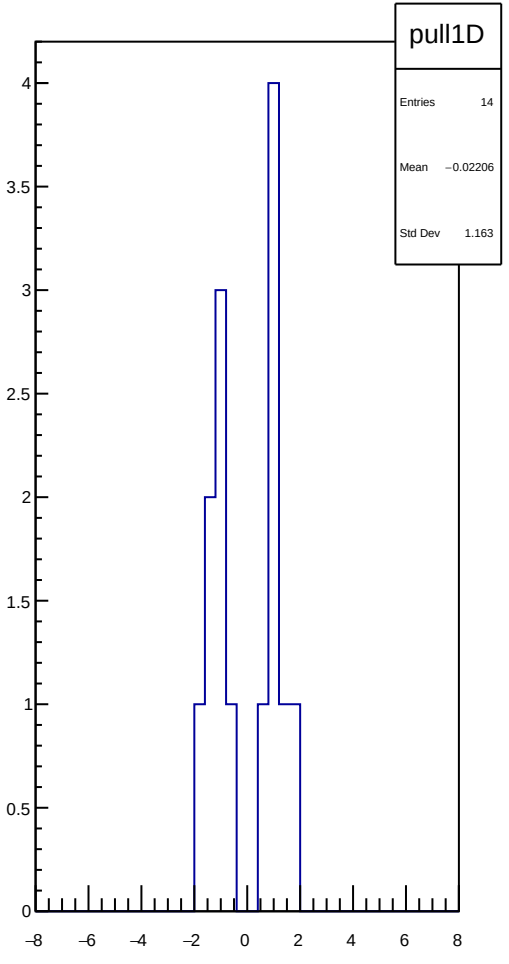

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1038 / 13
p0 839.6 ± 1.553
940
920
900
880
860
840
820
800
780
760
740
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

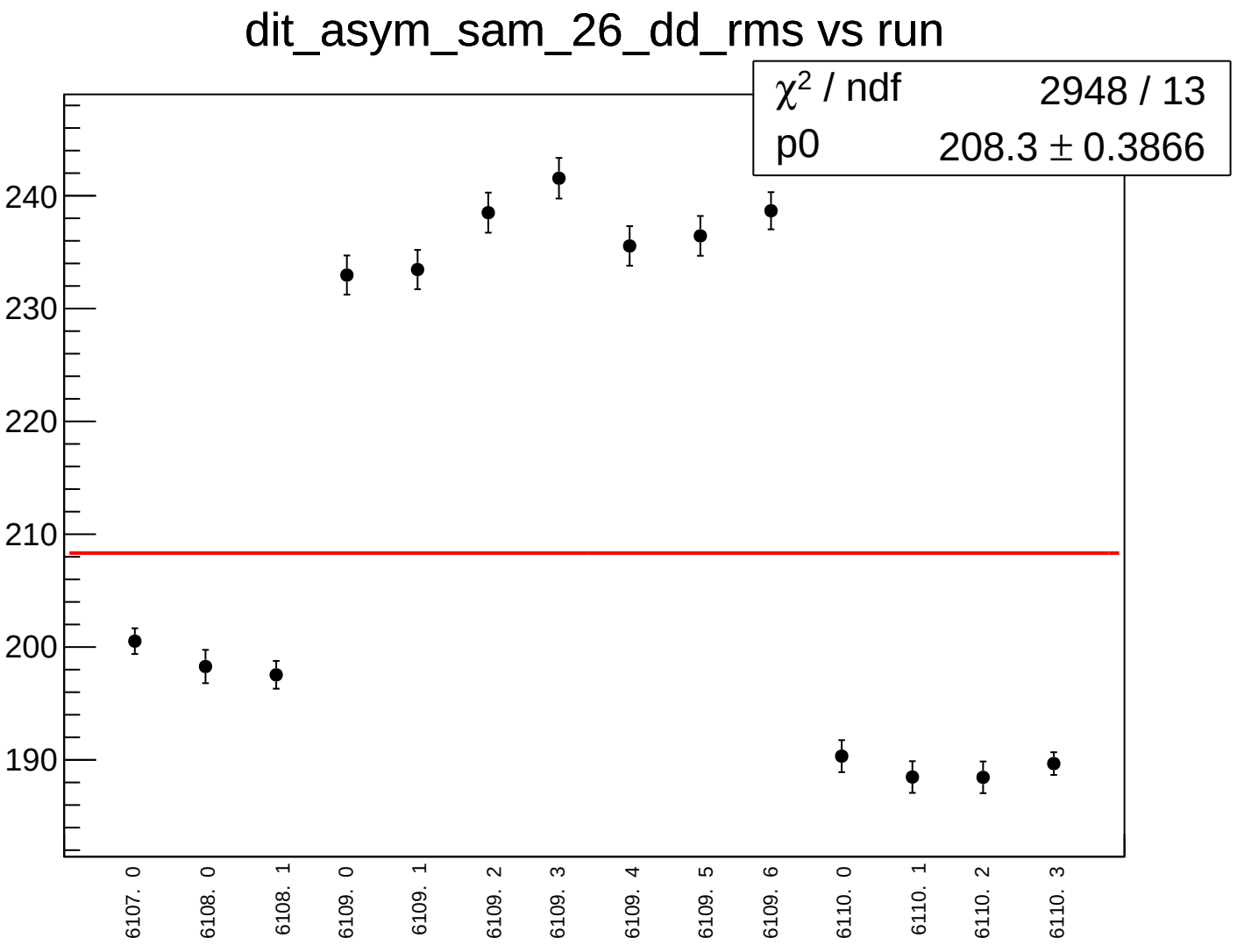

asym_sam_15_dd_mean vs run
χ² / ndf 11.9 / 13
p0 1922 ± 2183
30000
20000
10000
0
−10000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1113
Std Dev 1105
1.5
1
0.5
0
−0.5
−1

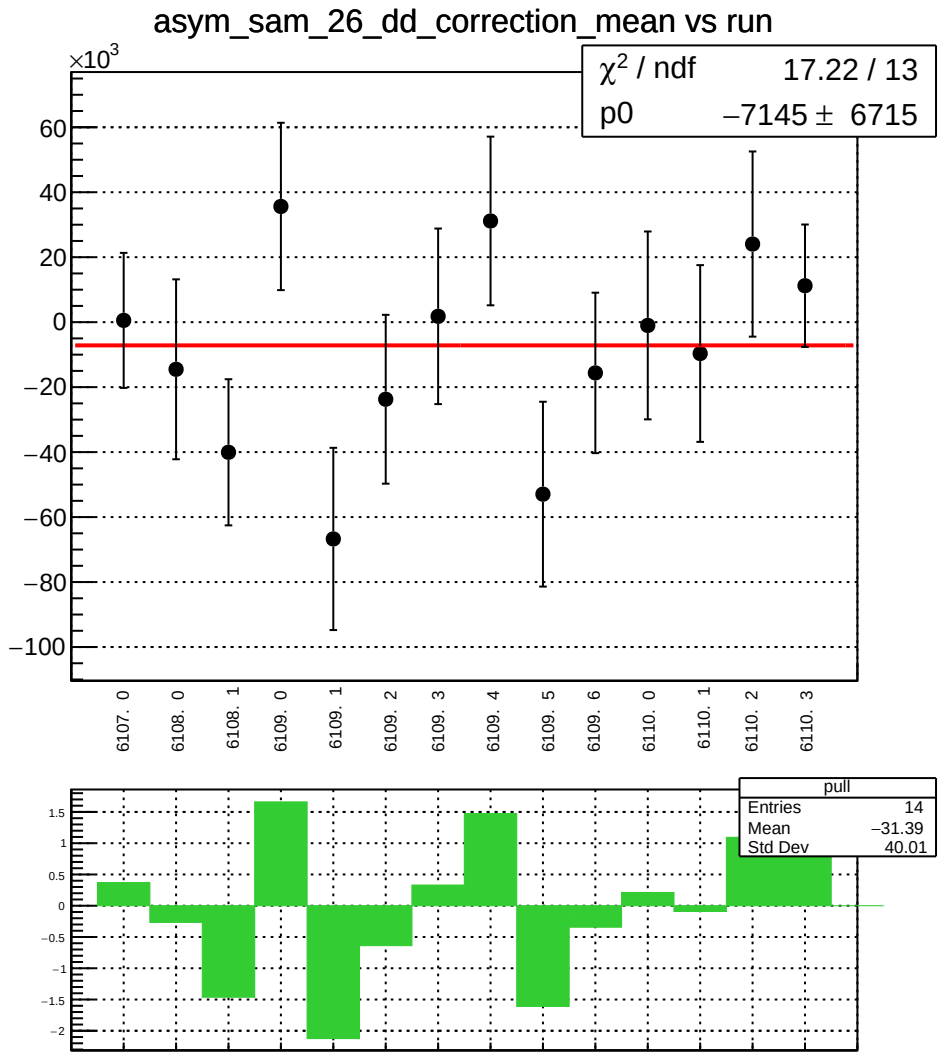

pull1D
Entries 14
Mean −0.001466
Std Dev 0.9219
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

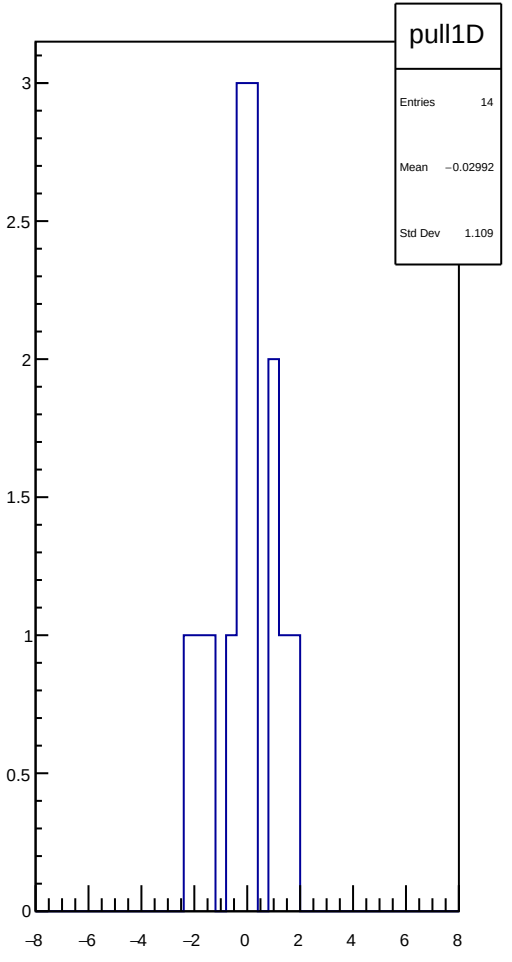

asym_sam_15_dd_rms vs run
χ² / ndf 181.6 / 13
p0 836.1 ± 1.544
900
880
860
840
820
800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

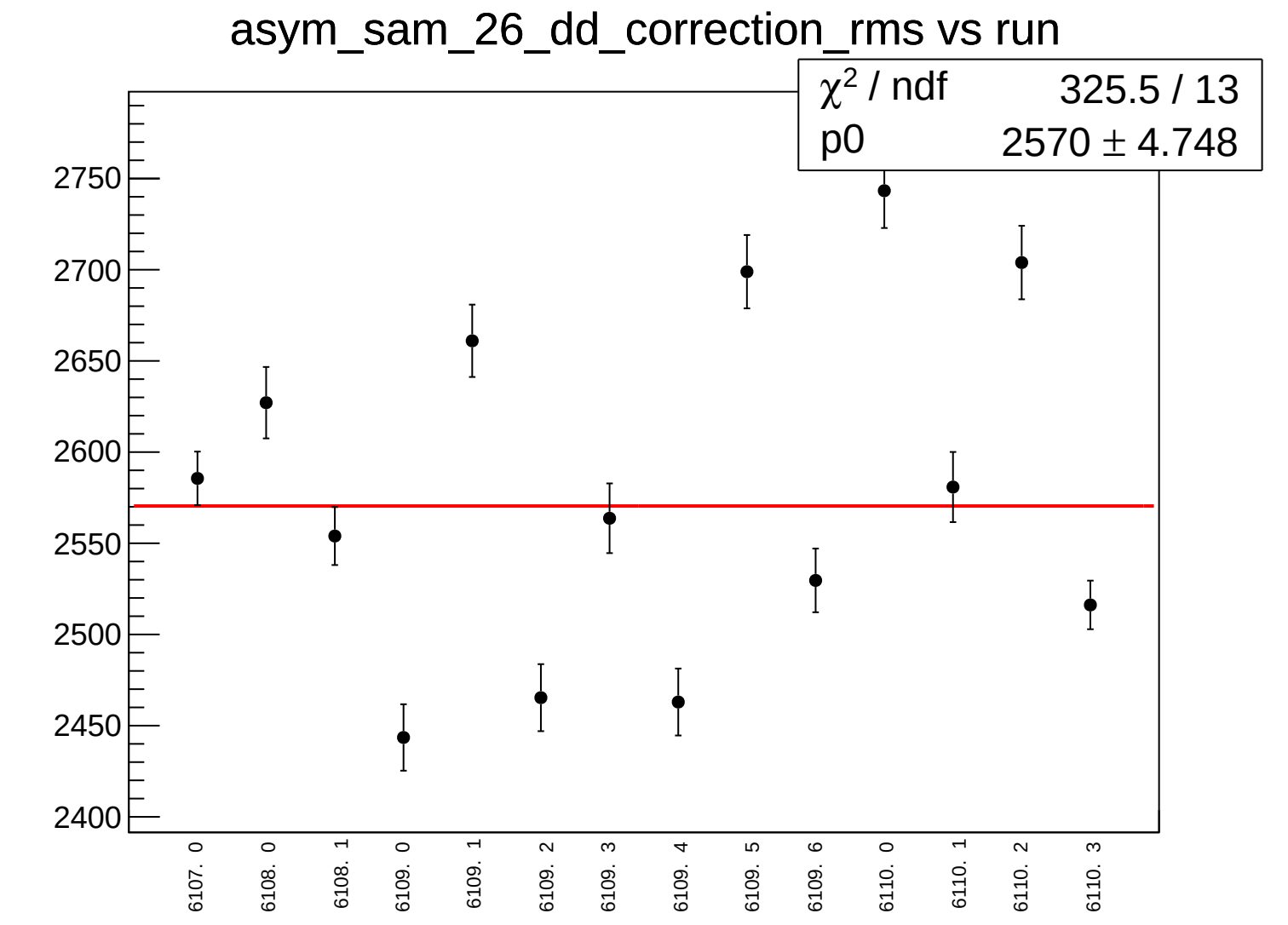

dit_asym_sam_26_dd_mean vs run
χ² / ndf 18.95 / 13
p0 511.2 ± 546.7
8000
6000
4000
2000
0
−2000
−4000
−6000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 6.548
Std Dev 11.83
1.5
1
0.5
0
−0.5
−1
−1.5

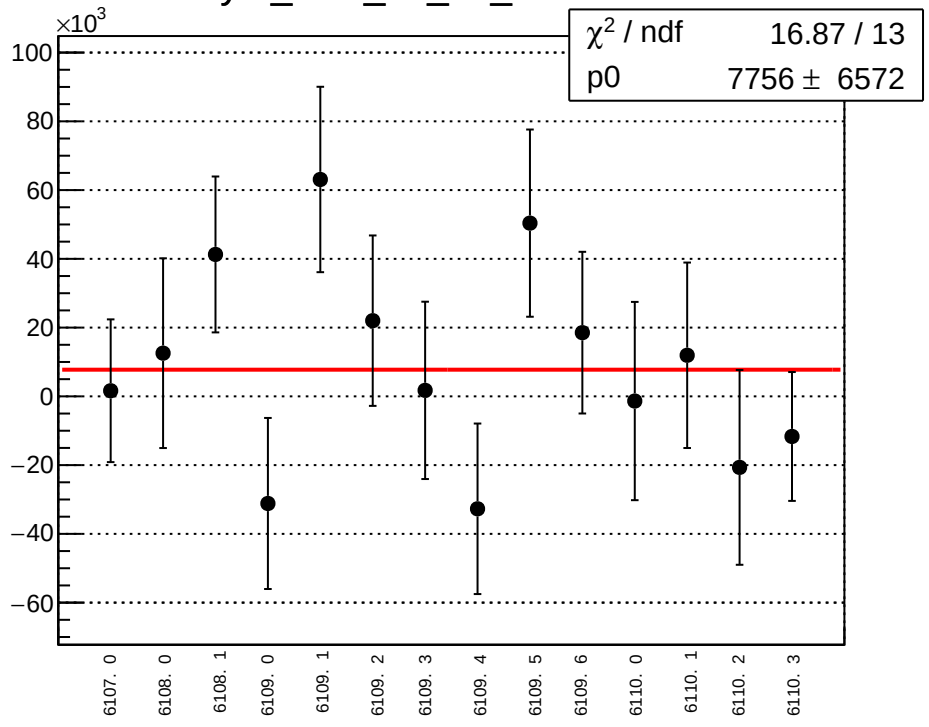

pull1D
Entries 14
Mean −0.02206
Std Dev 1.163
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

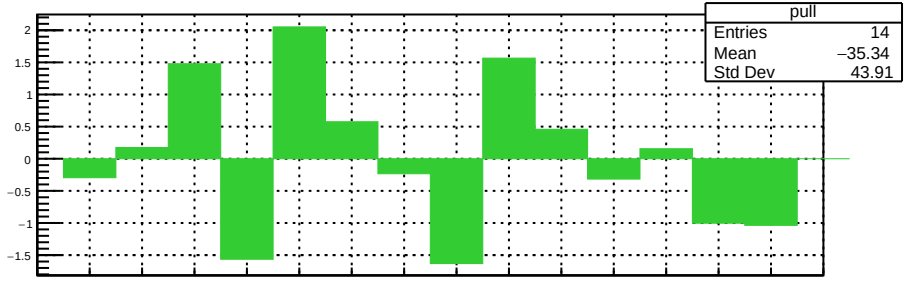

dit_asym_sam_26_dd_rms vs run
χ² / ndf 2948 / 13
p0 208.3 ± 0.3866
240
230
220
210
200
190
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

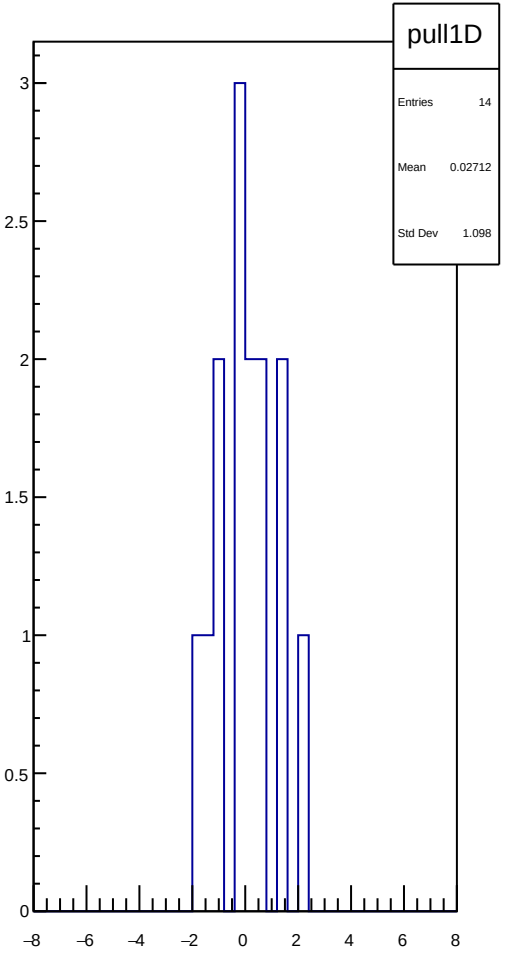

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 17.22 / 13
p0 −7145 ± 6715
60
40
20
0
−20
−40
−60
−80
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −31.39
Std Dev 40.01
1.5
1
0.5
0
−0.5
−1
−1.5
−2

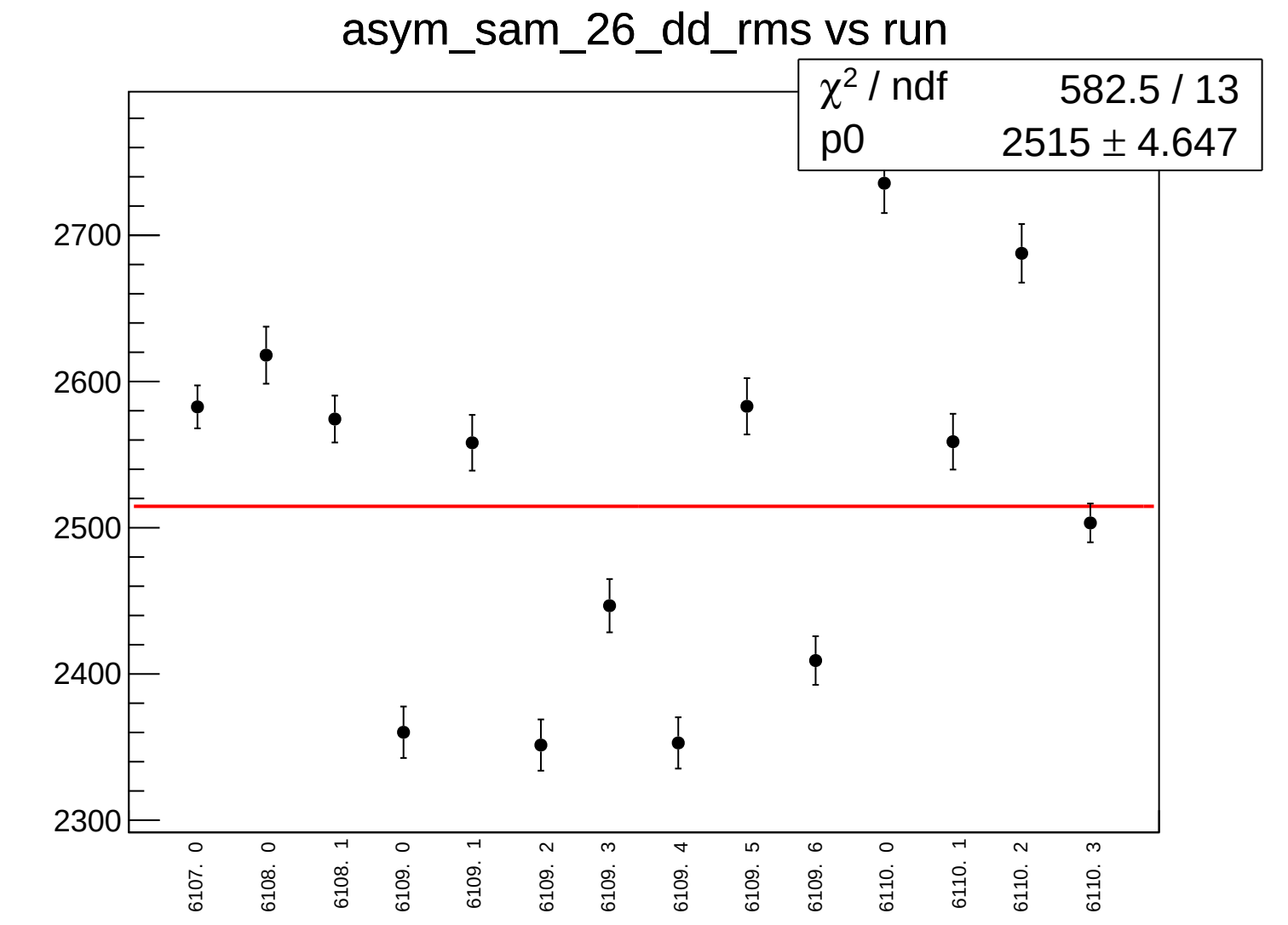

pull1D
Entries 14
Mean −0.02992
Std Dev 1.109
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

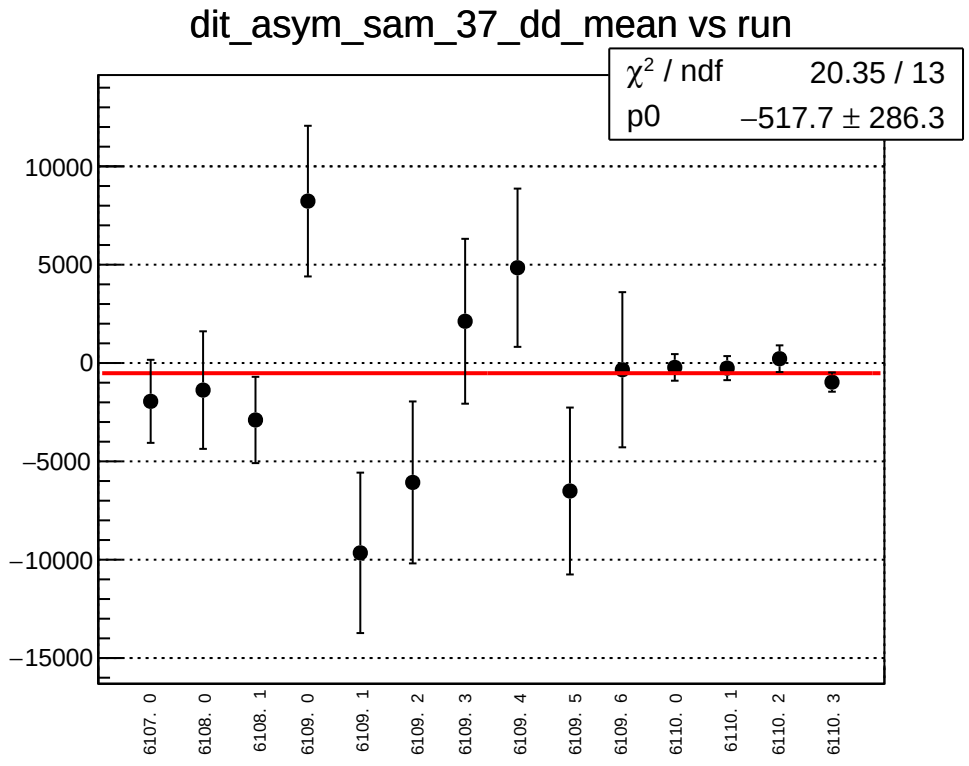

asym_sam_26_dd_correction_rms vs run
χ² / ndf 325.5 / 13
p0 2570 ± 4.748
2750
2700
2650
2600
2550
2500
2450
2400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

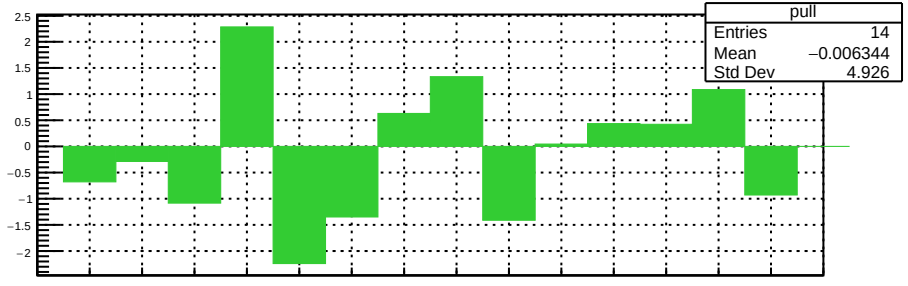

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 16.87 / 13
p0 7756 ± 6572
100
80
60
40
20
0
−20
−40
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

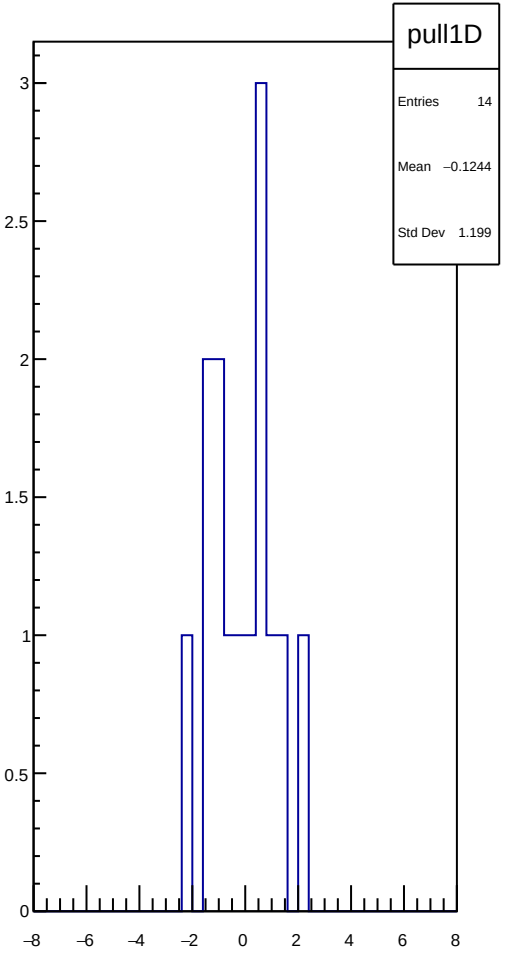

pull
Entries 14
Mean −35.34
Std Dev 43.91
2
1.5
1
0.5
0
−0.5
−1
−1.5

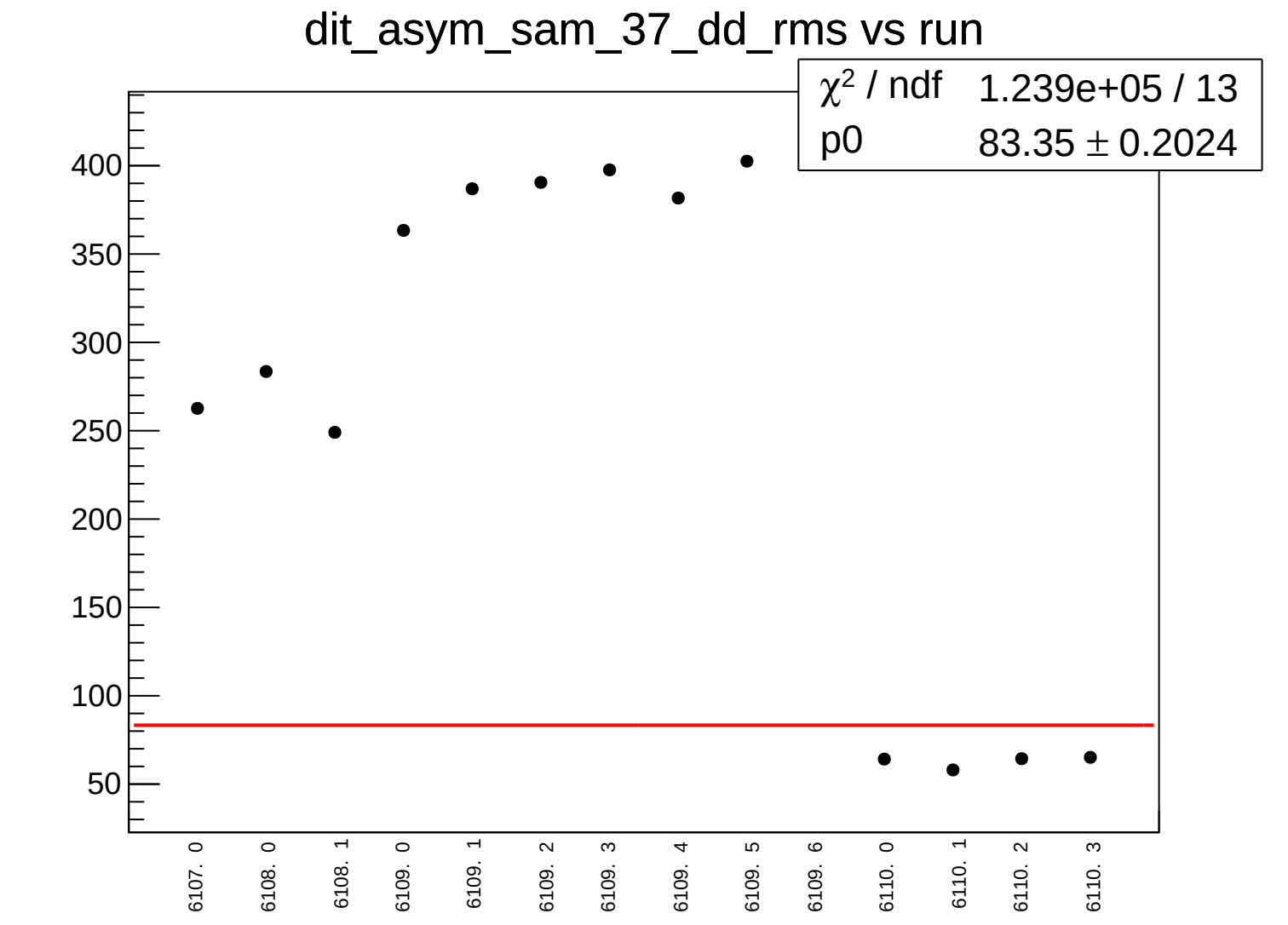

pull1D
Entries 14
Mean 0.02712
Std Dev 1.098
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

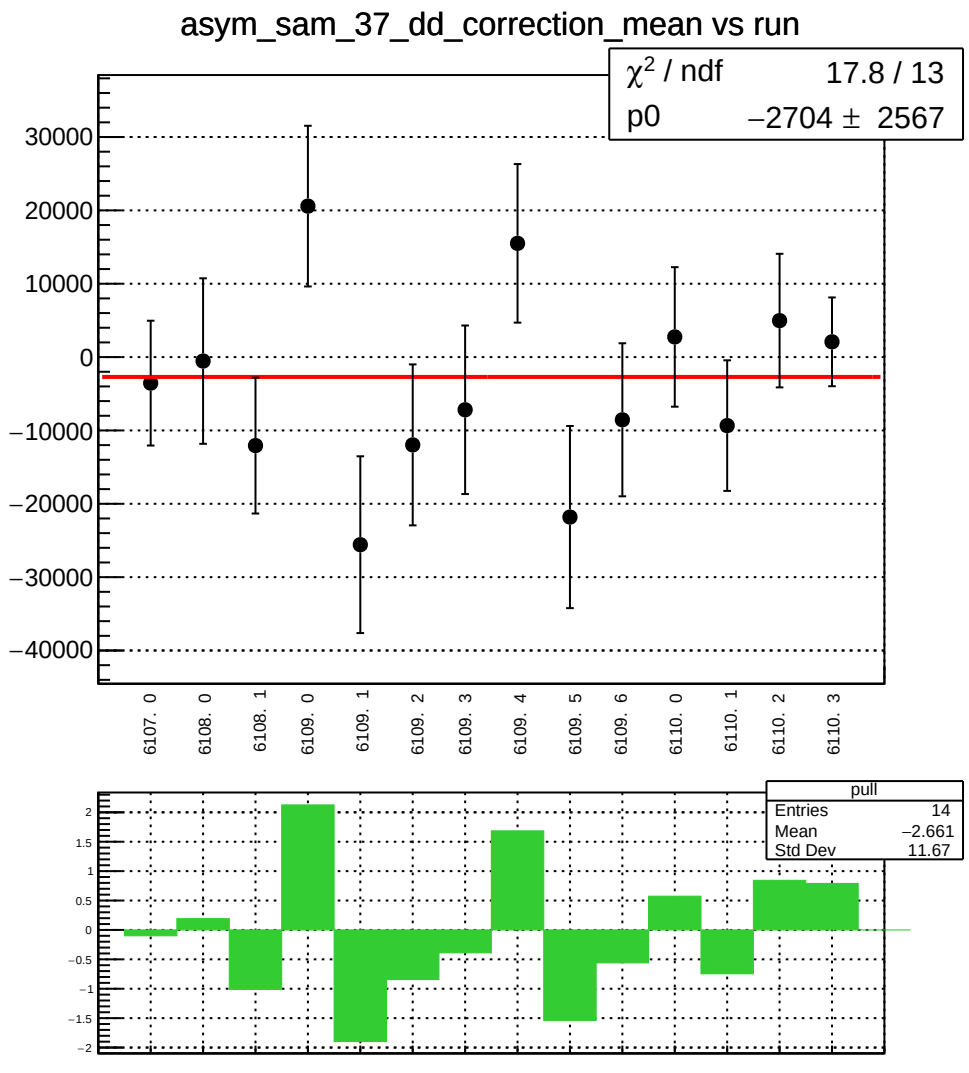

asym_sam_26_dd_rms vs run
χ² / ndf 582.5 / 13
p0 2515 ± 4.647
2700
2600
2500
2400
2300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

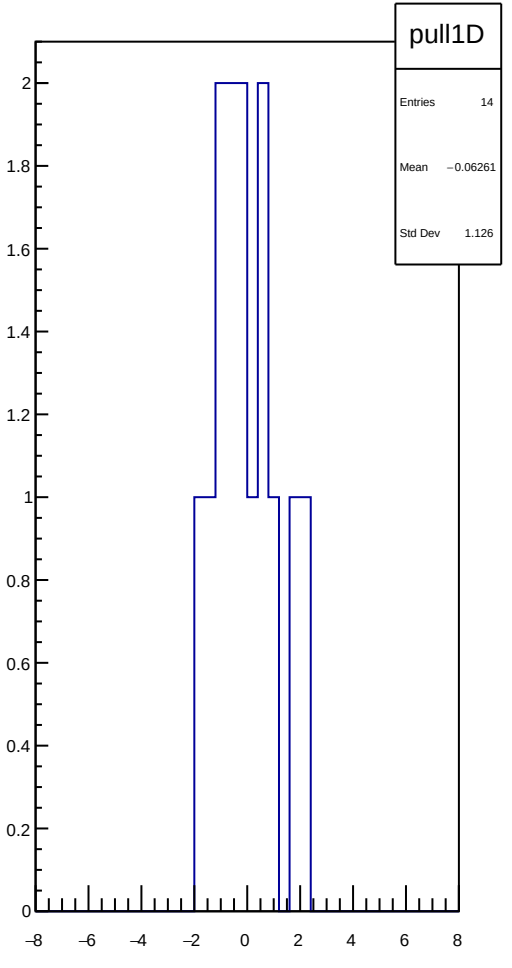

dit_asym_sam_37_dd_mean vs run
χ² / ndf 20.35 / 13
p0 −517.7 ± 286.3
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

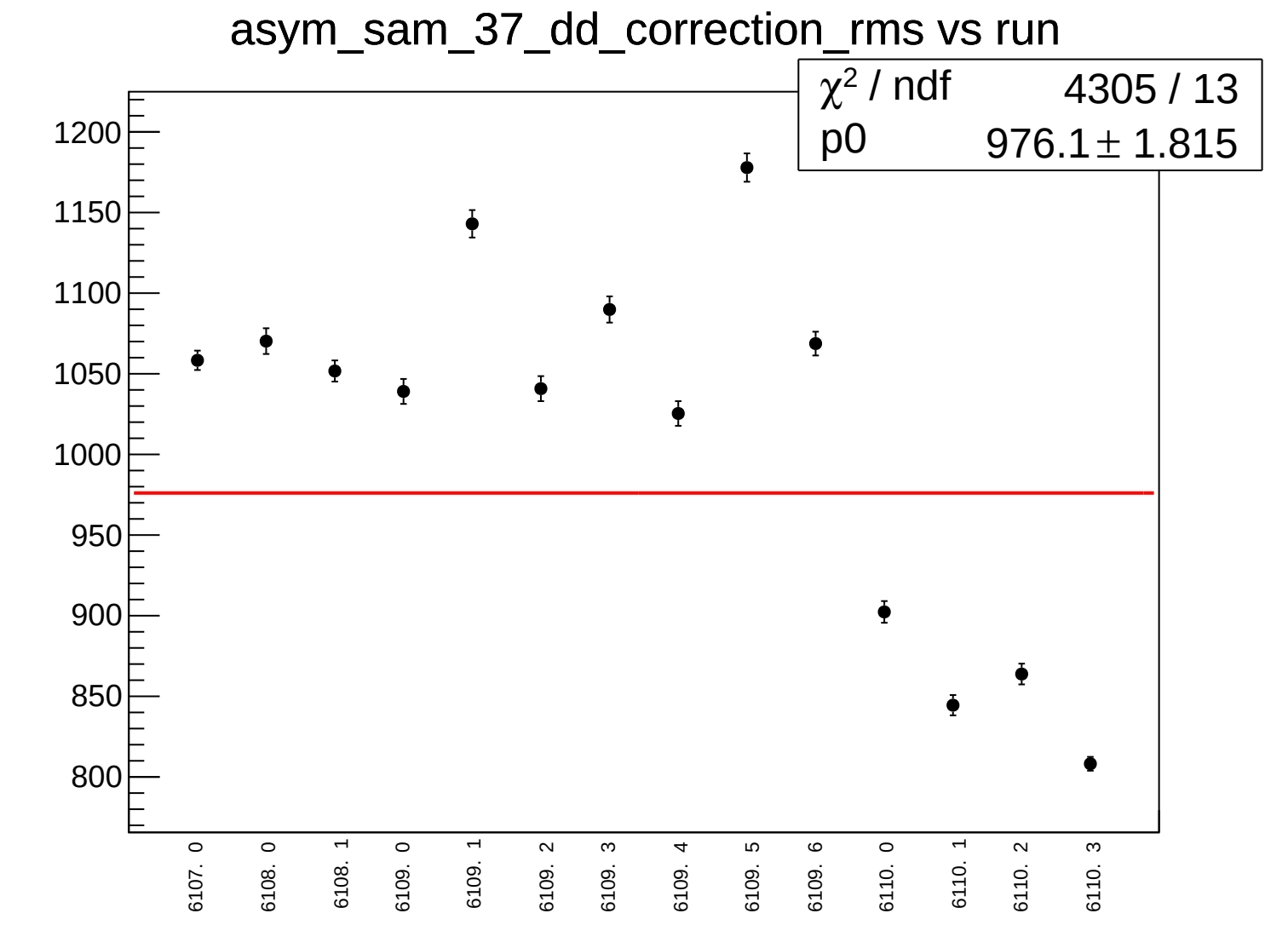

pull
Entries 14
Mean −0.006344
Std Dev 4.926
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

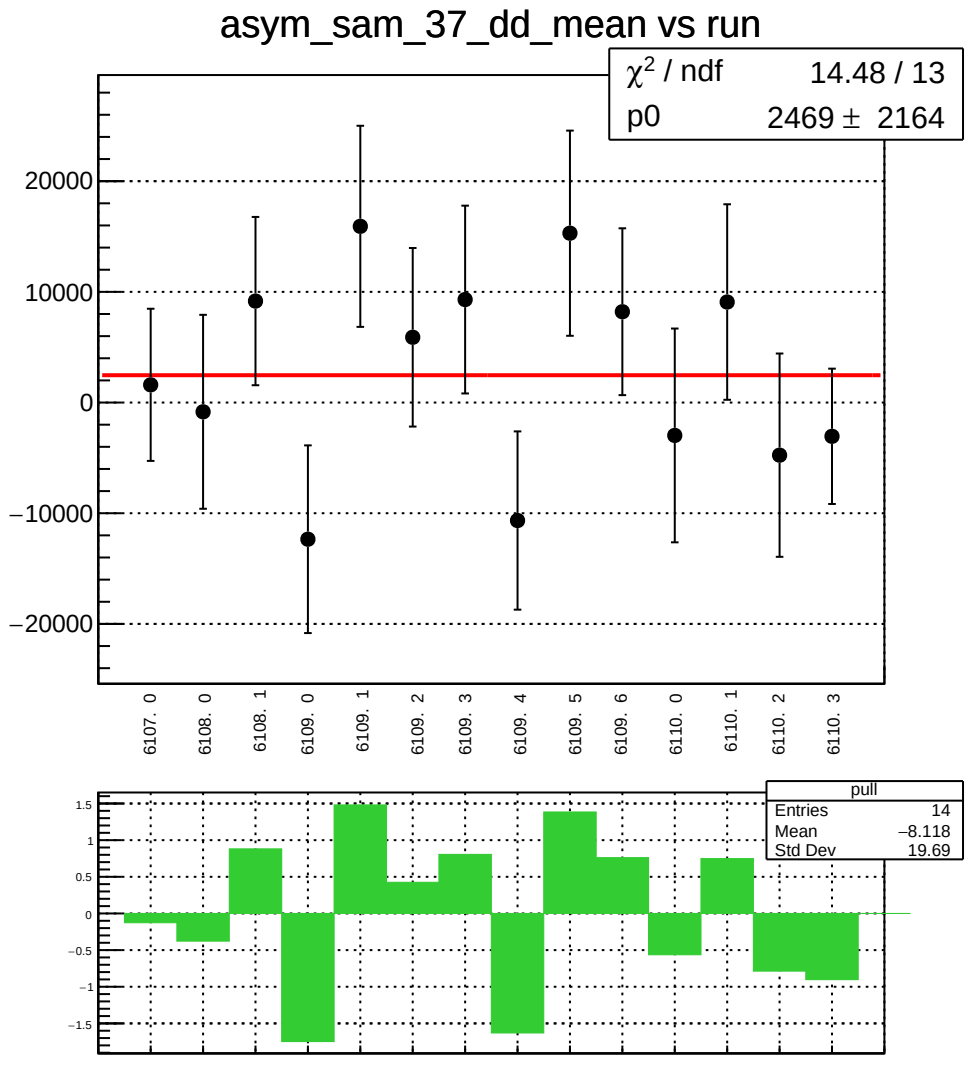

pull1D
Entries 14
Mean −0.1244
Std Dev 1.199
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

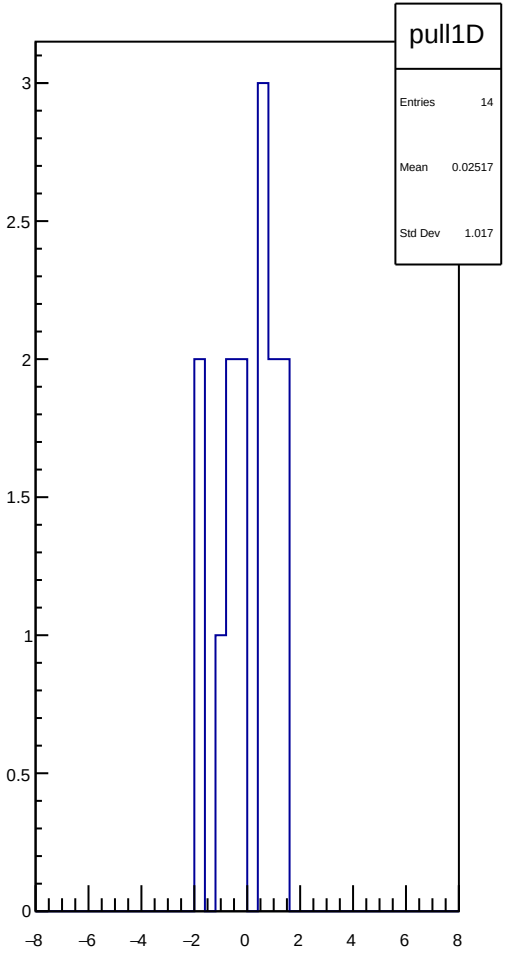

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.239e+05 / 13
p0 83.35 ± 0.2024
400
350
300
250
200
150
100
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

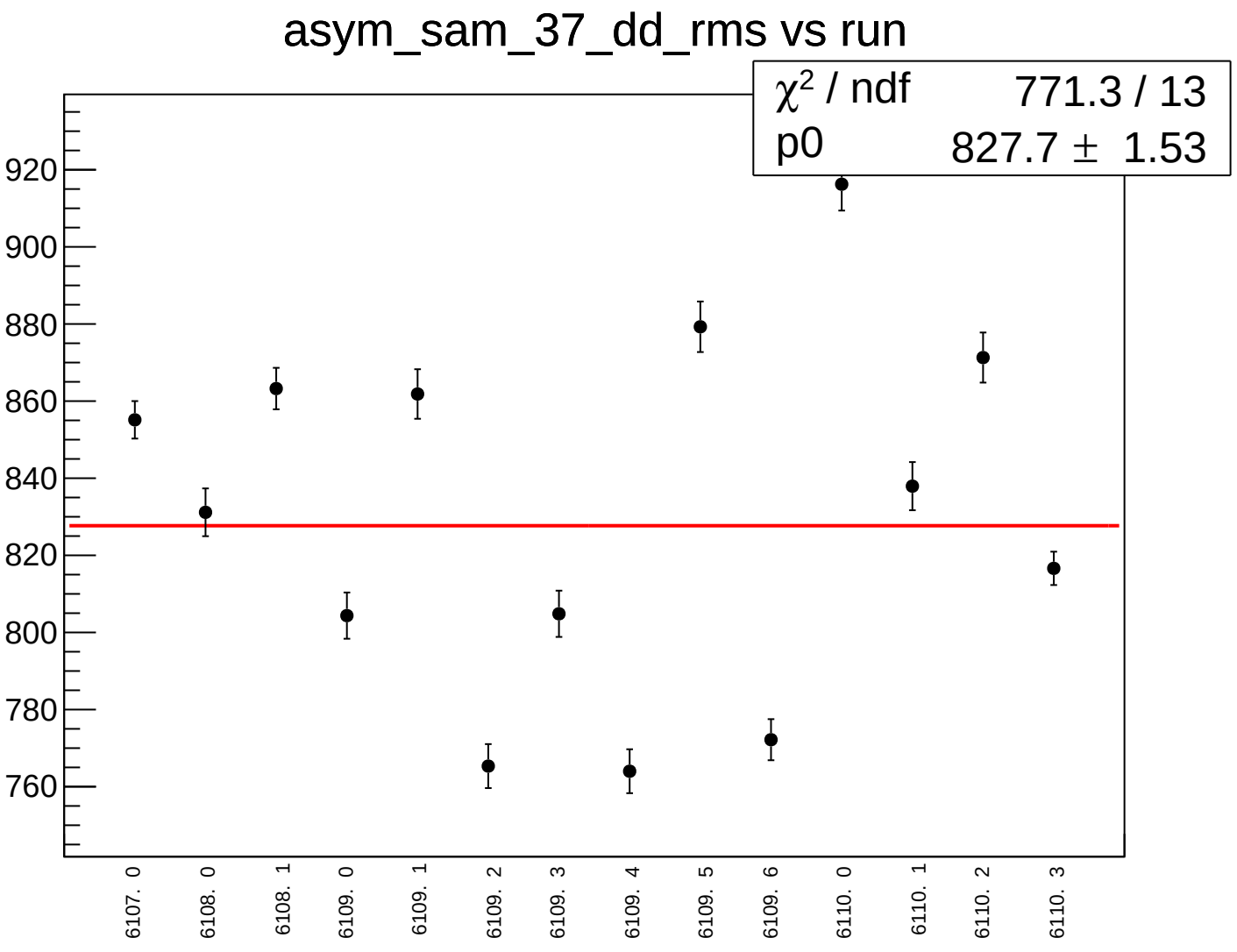

asym_sam_37_dd_correction_mean vs run
χ² / ndf 17.8 / 13
p0 −2704 ± 2567
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −2.661
Std Dev 11.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

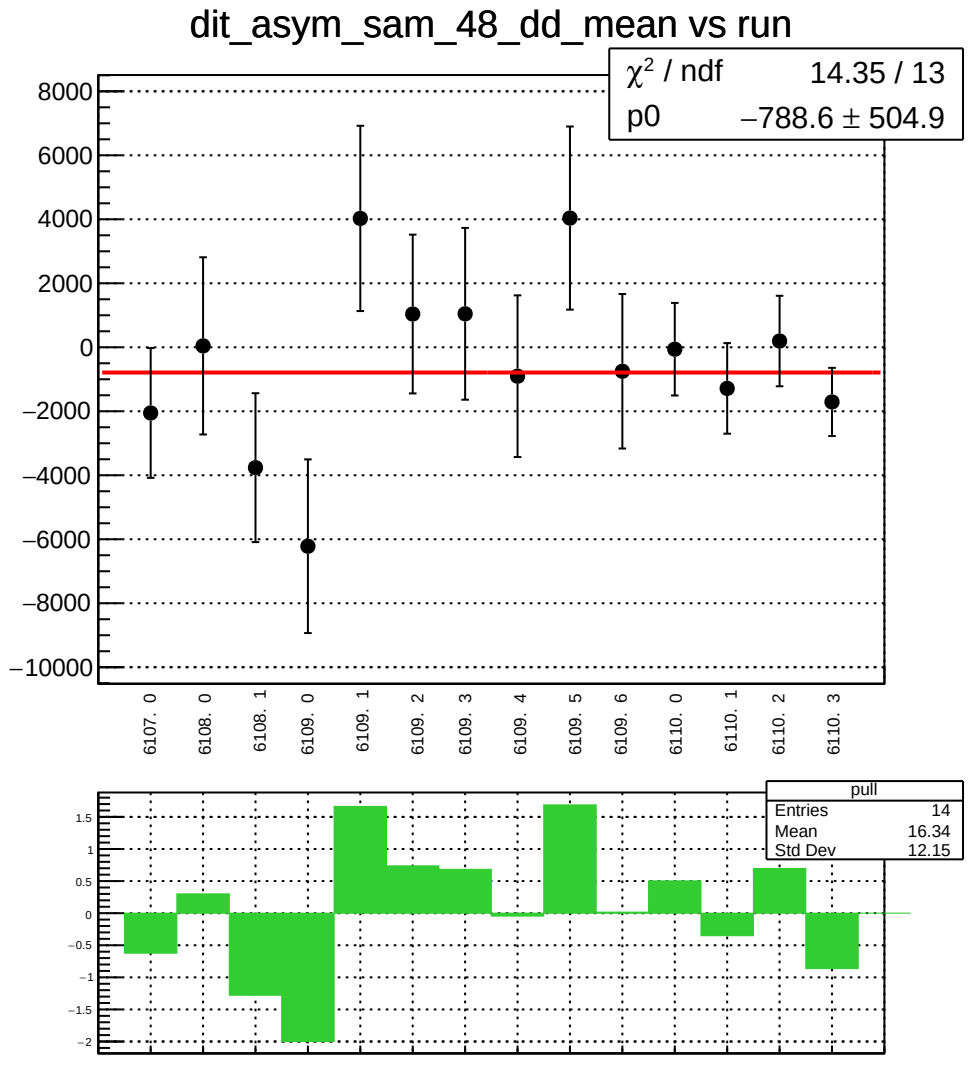

pull1D
Entries 14
Mean −0.06261
Std Dev 1.126
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

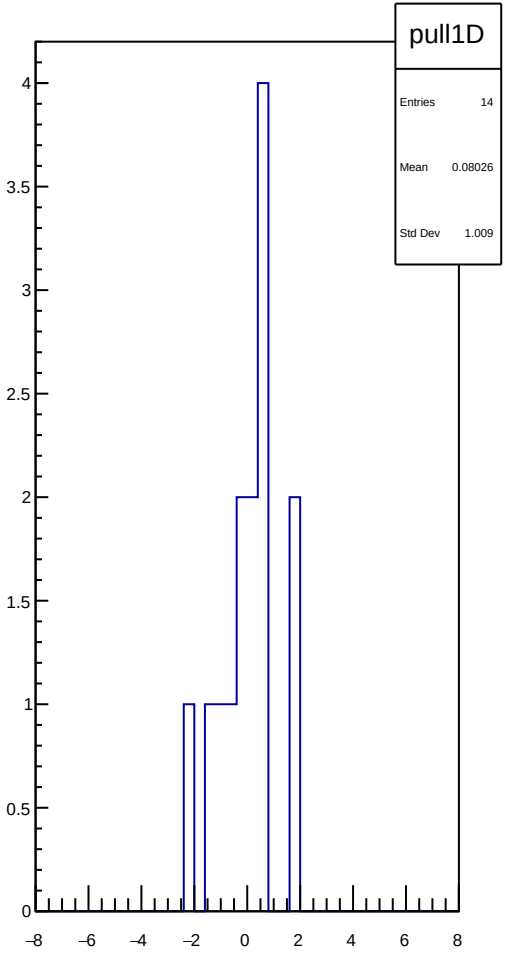

asym_sam_37_dd_correction_rms vs run
χ² / ndf 4305 / 13
p0 976.1 ± 1.815
1200
1150
1100
1050
1000
950
900
850
800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

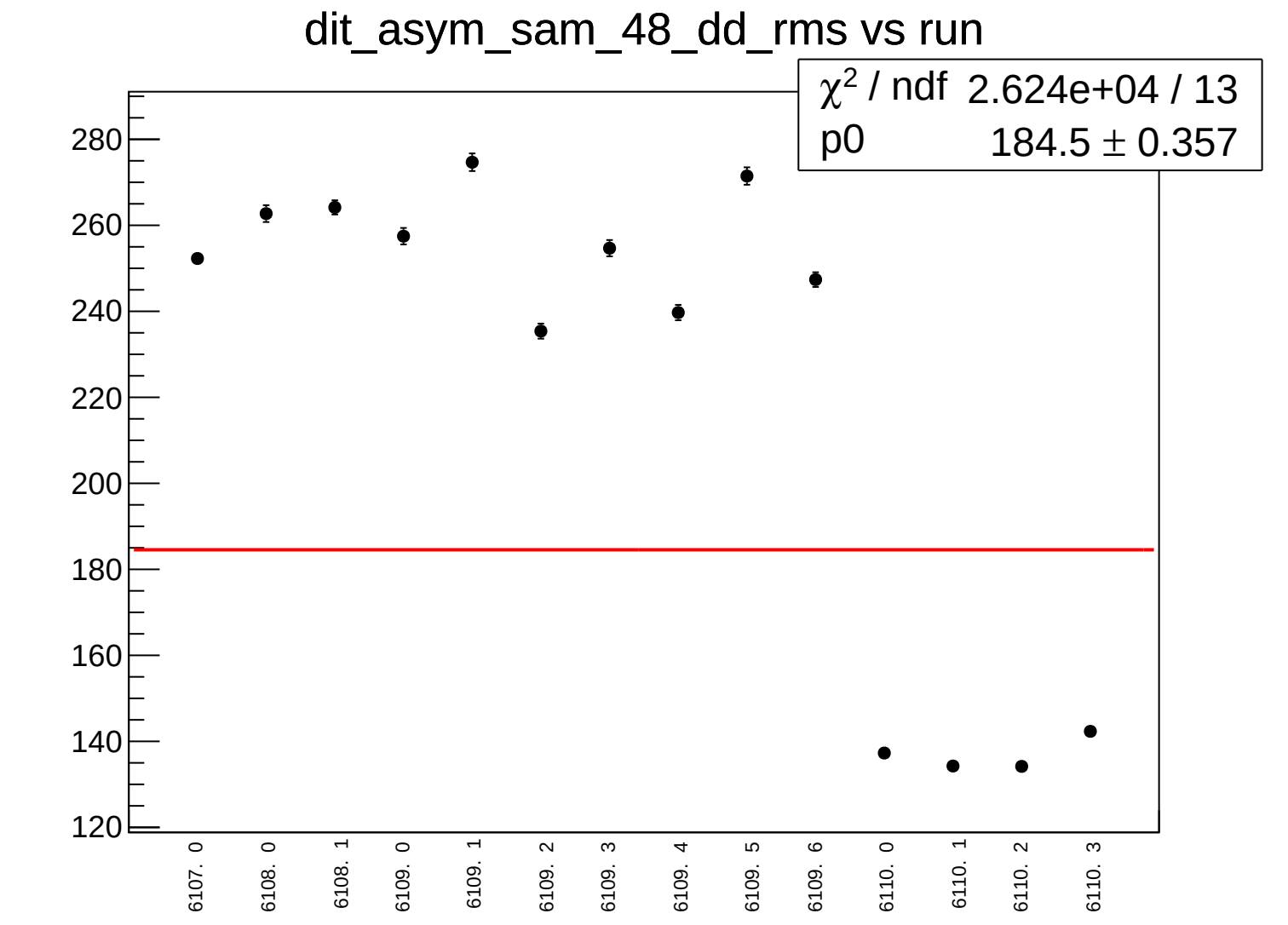

asym_sam_37_dd_mean vs run
χ² / ndf 14.48 / 13
p0 2469 ± 2164
20000
10000
0
−10000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −8.118
Std Dev 19.69
1.5
1
0.5
0
−0.5
−1
−1.5

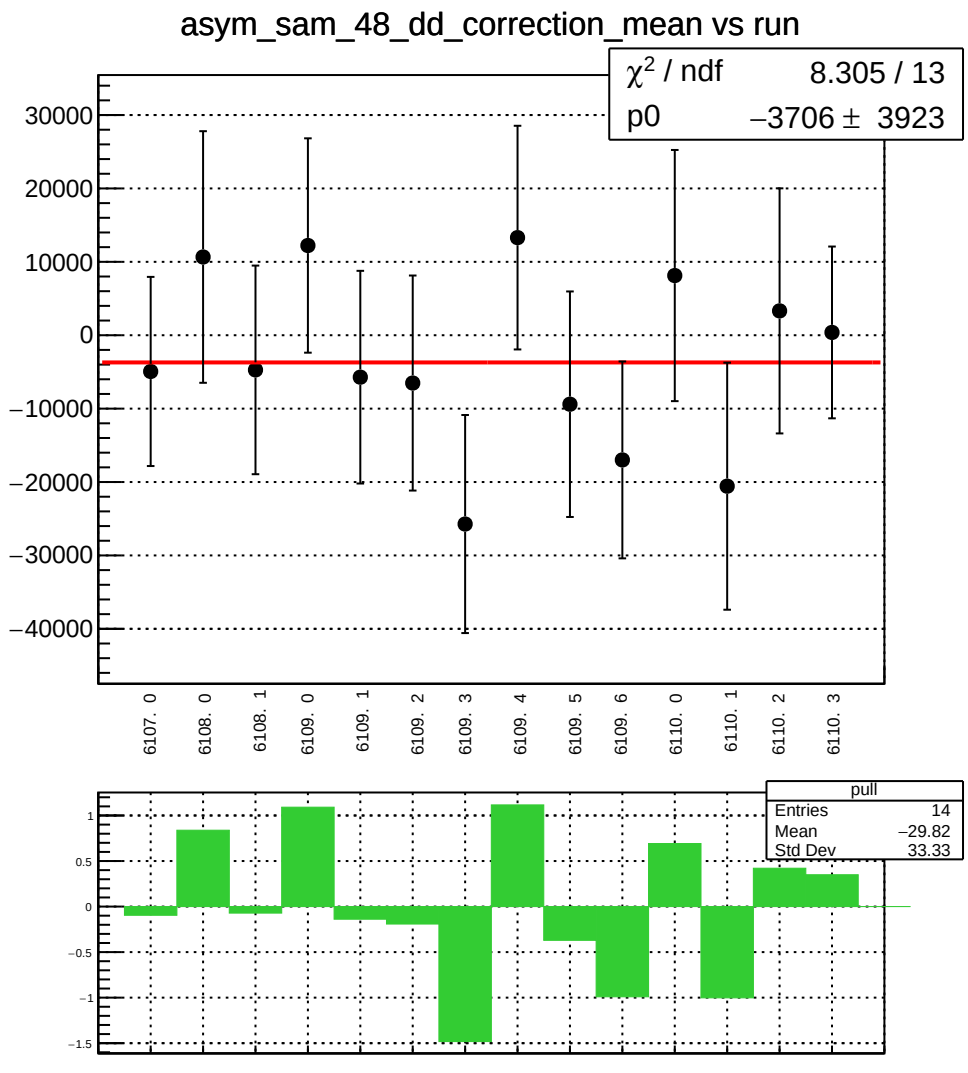

pull1D
Entries 14
Mean 0.02517
Std Dev 1.017
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

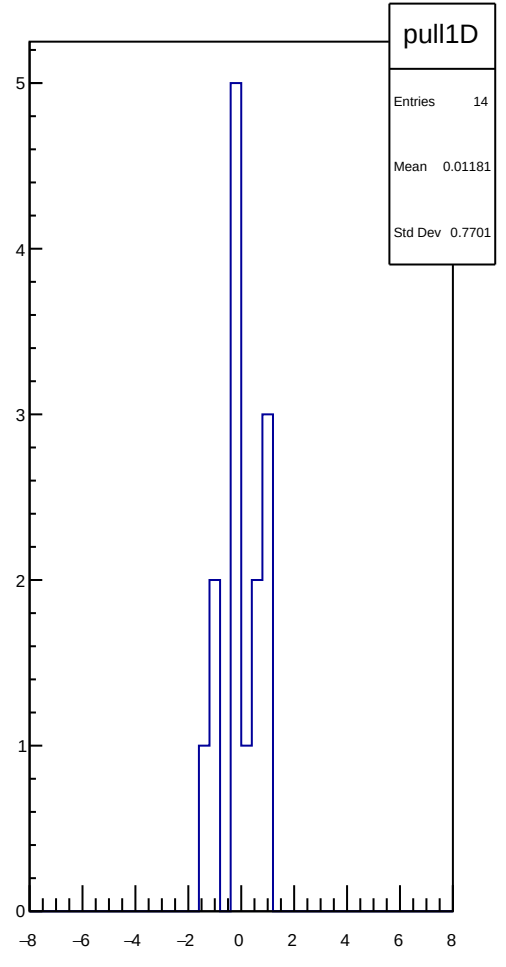

asym_sam_37_dd_rms vs run
χ² / ndf 771.3 / 13
p0 827.7 ± 1.53
920
900
880
860
840
820
800
780
760
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

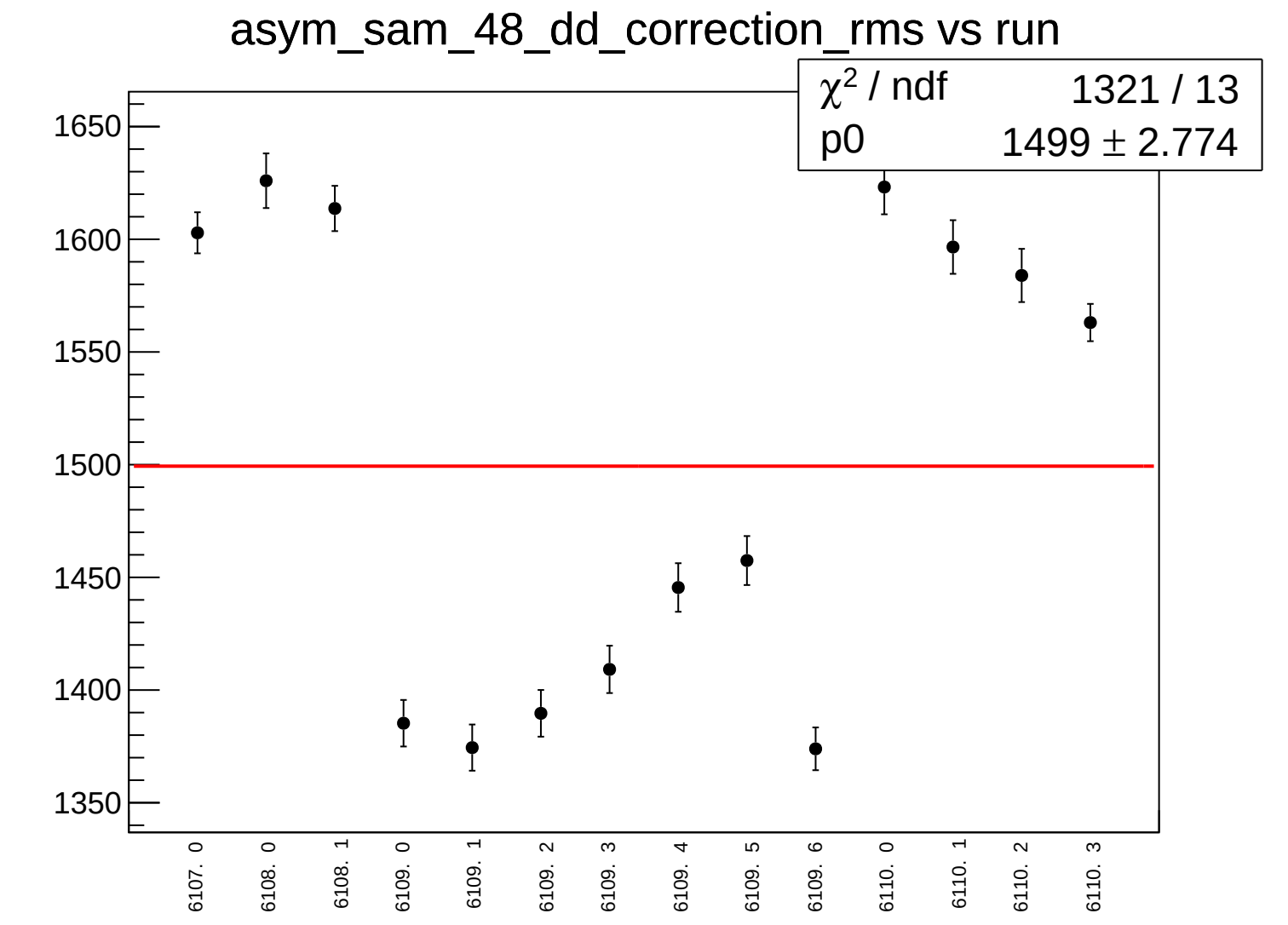

dit_asym_sam_48_dd_mean vs run
χ² / ndf 14.35 / 13
p0 −788.6 ± 504.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 16.34
Std Dev 12.15
1.5
1
0.5
0
−0.5
−1
−1.5
−2

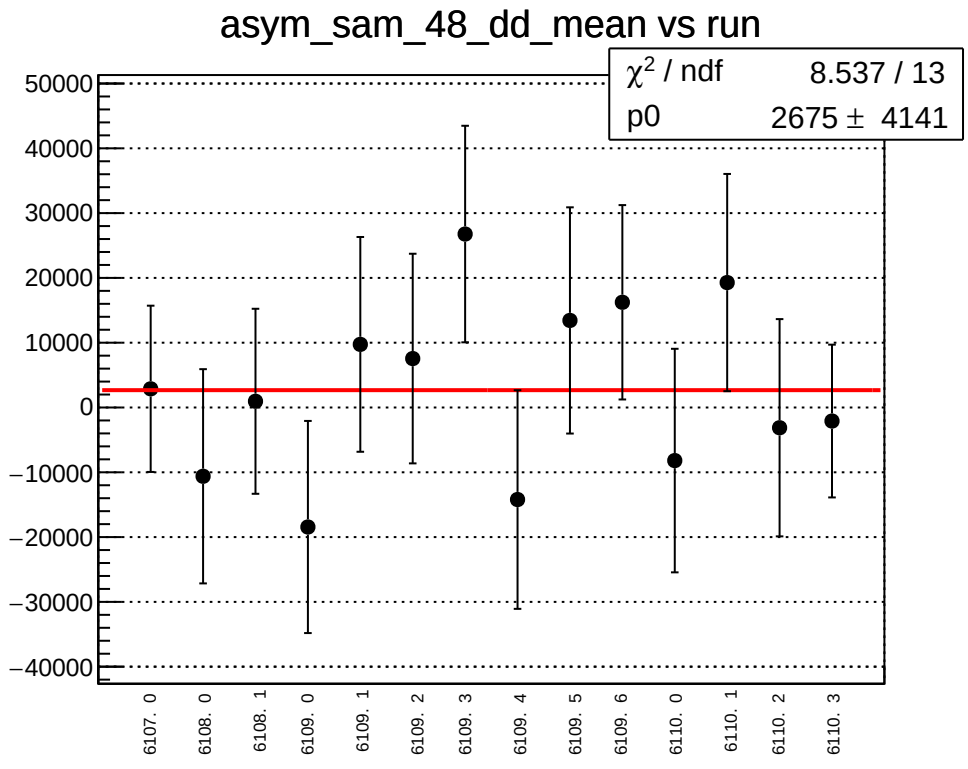

pull1D
Entries 14
Mean 0.08026
Std Dev 1.009
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

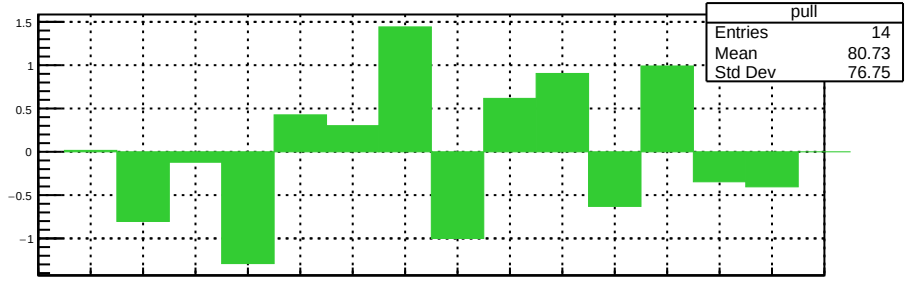

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.624e+04 / 13
p0 184.5 ± 0.357
280
260
240
220
200
180
160
140
120
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

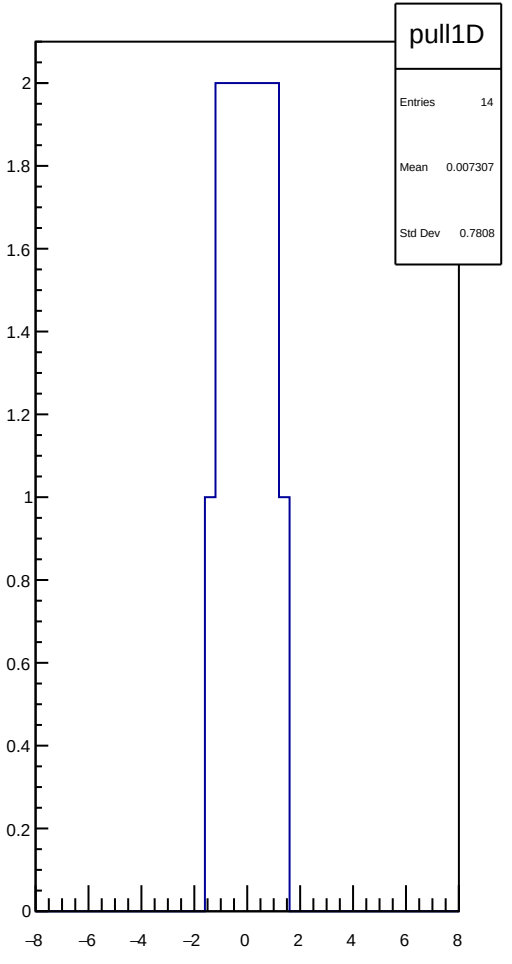

asym_sam_48_dd_correction_mean vs run
χ² / ndf 8.305 / 13
p0 −3706 ± 3923
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −29.82
Std Dev 33.33
1
0.5
0
−0.5
−1
−1.5

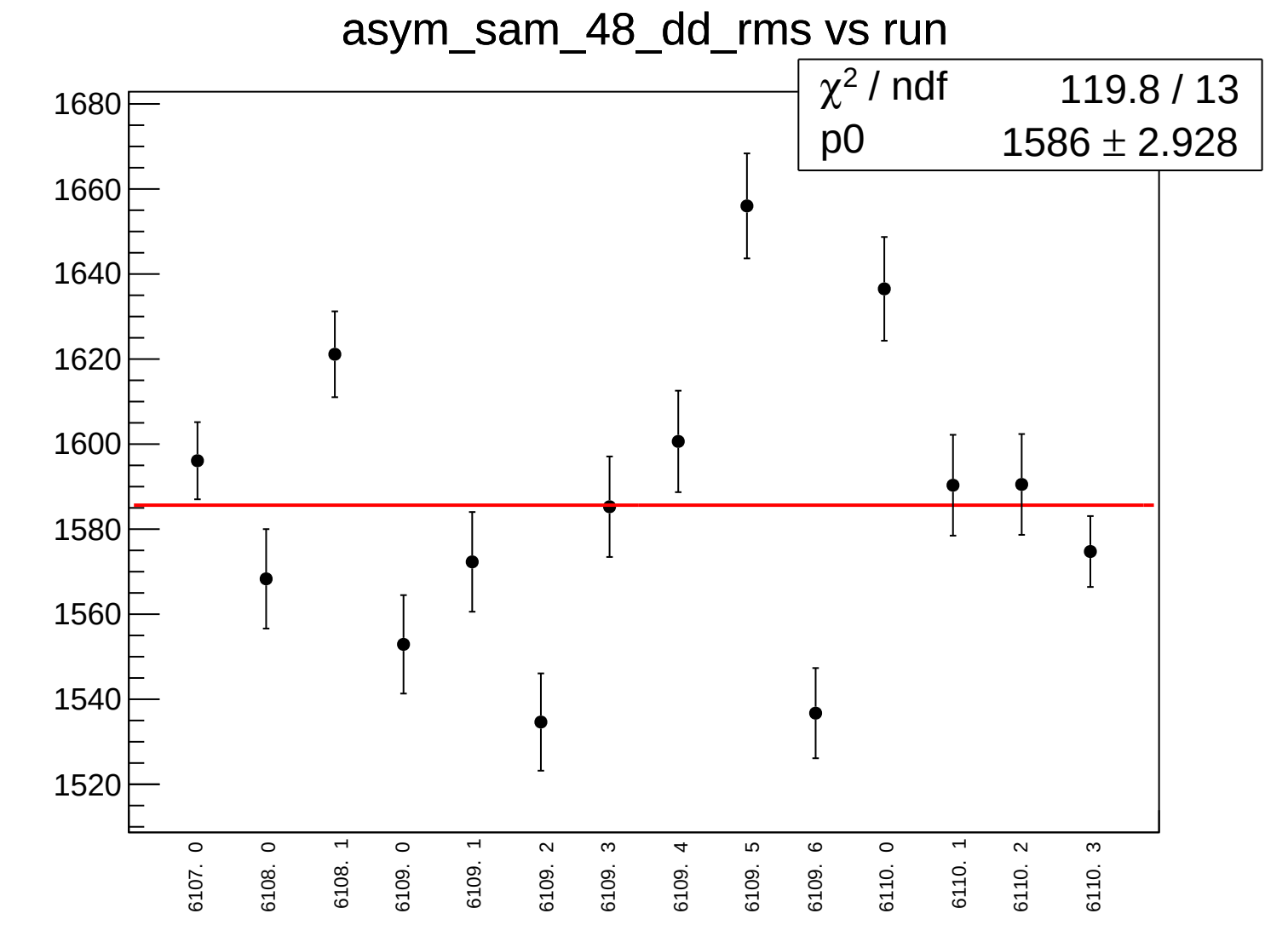

pull1D
Entries 14
Mean 0.01181
Std Dev 0.7701
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

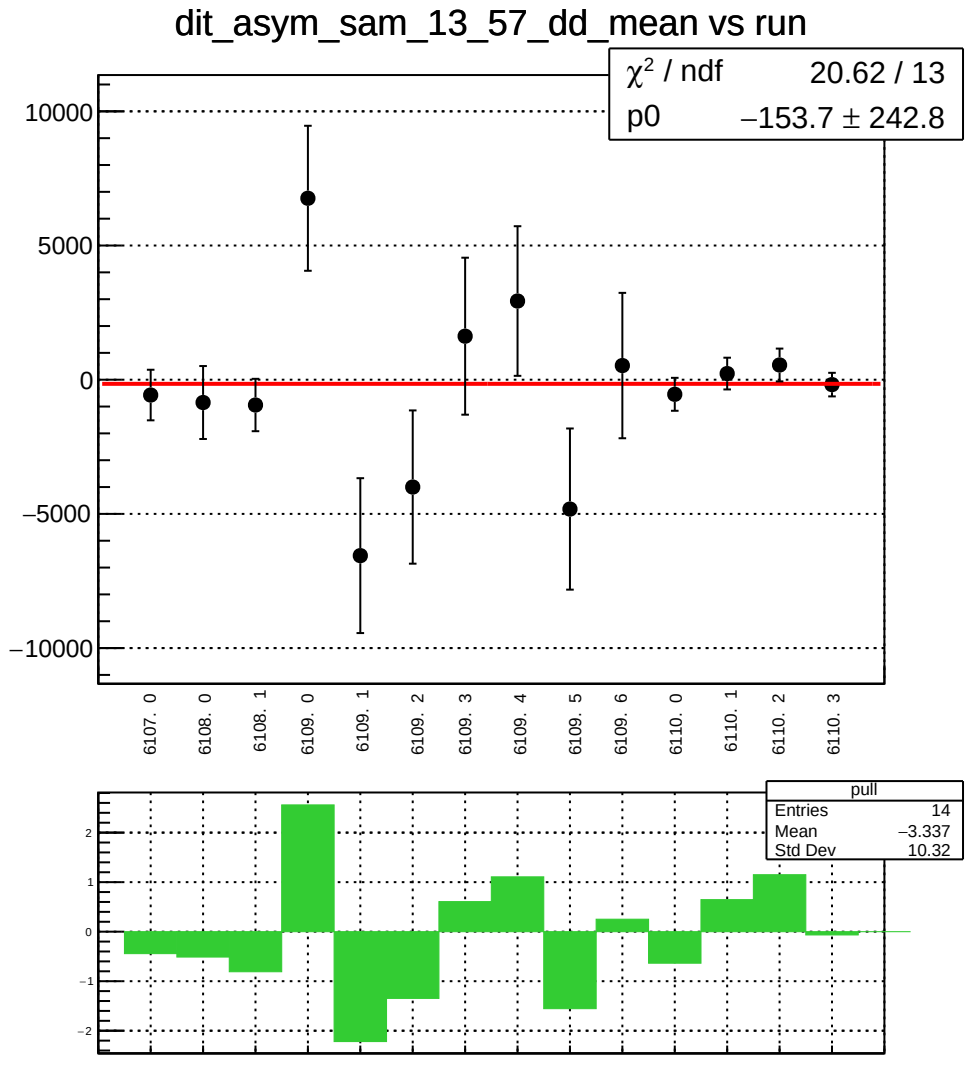

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1321 / 13
p0 1499 ± 2.774
1650
1600
1550
1500
1450
1400
1350
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

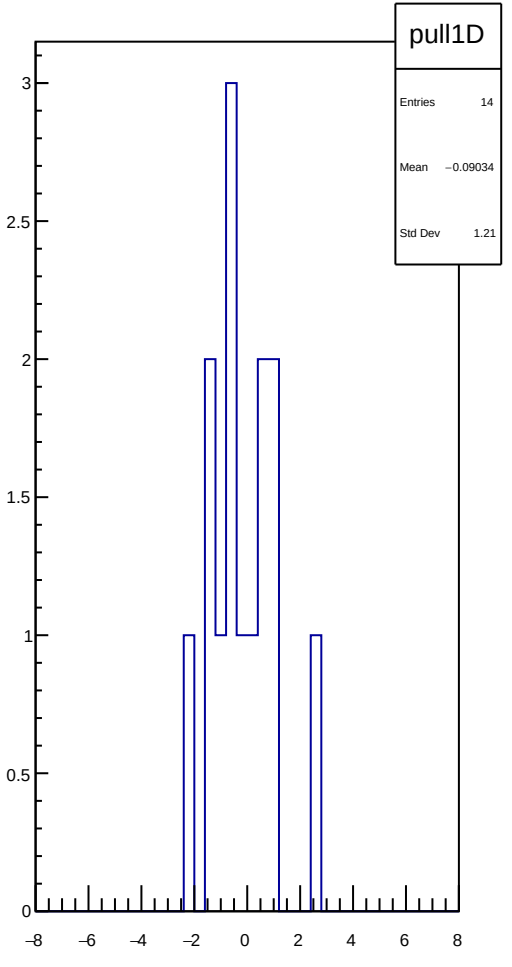

asym_sam_48_dd_mean vs run
χ² / ndf 8.537 / 13
p0 2675 ± 4141
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

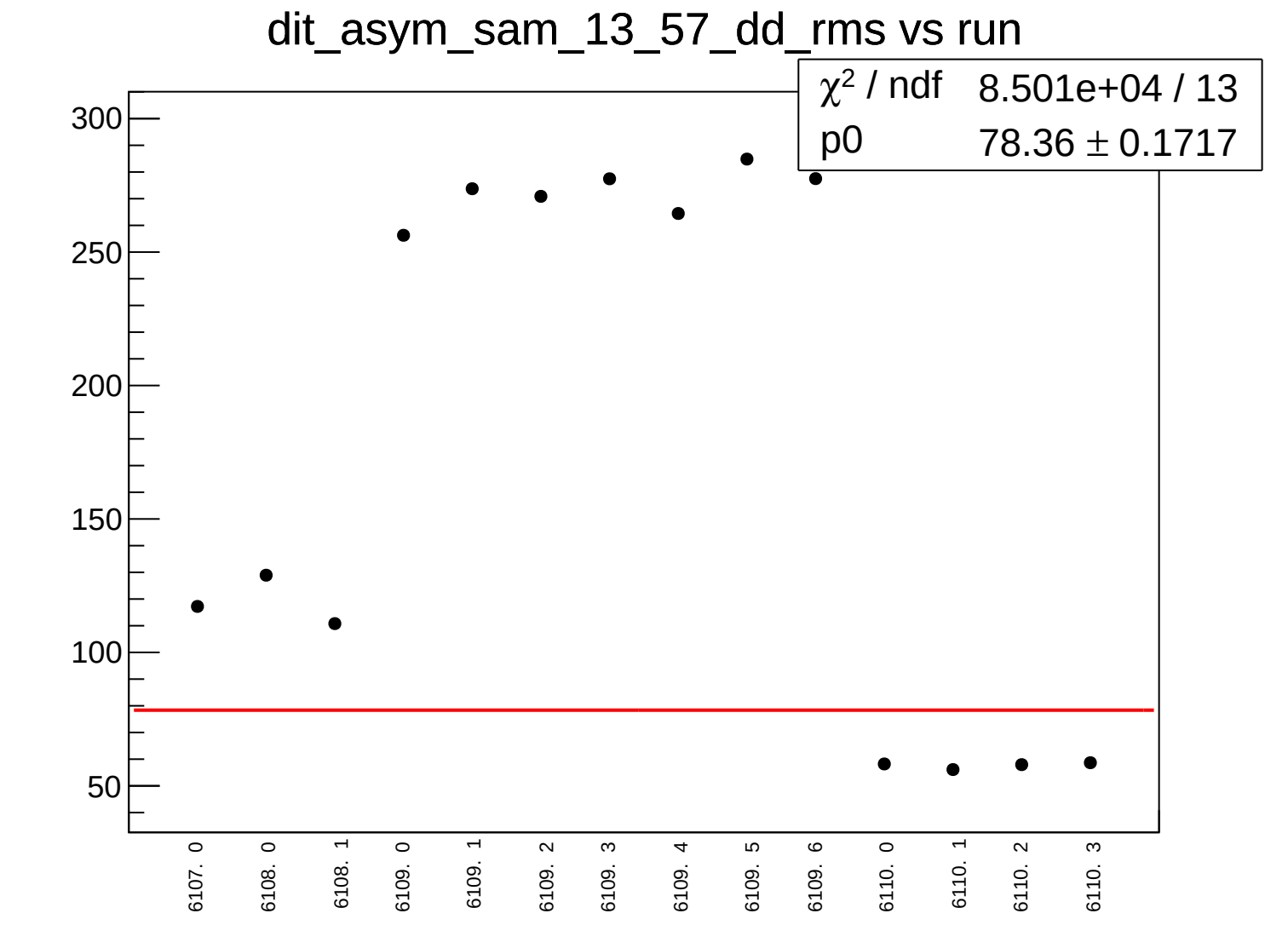

pull
Entries 14
Mean 80.73
Std Dev 76.75
1.5
1
0.5
0
−0.5
−1

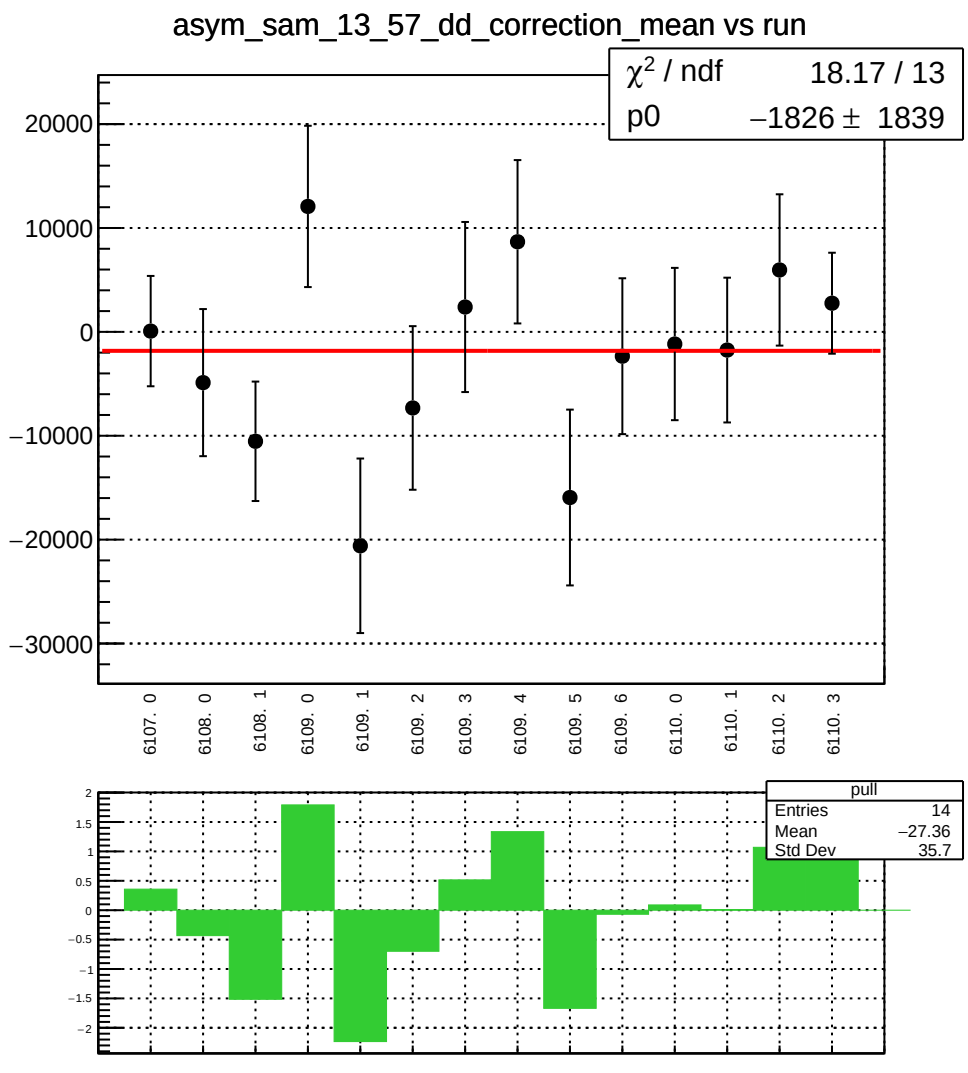

pull1D
Entries 14
Mean 0.007307
Std Dev 0.7808
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

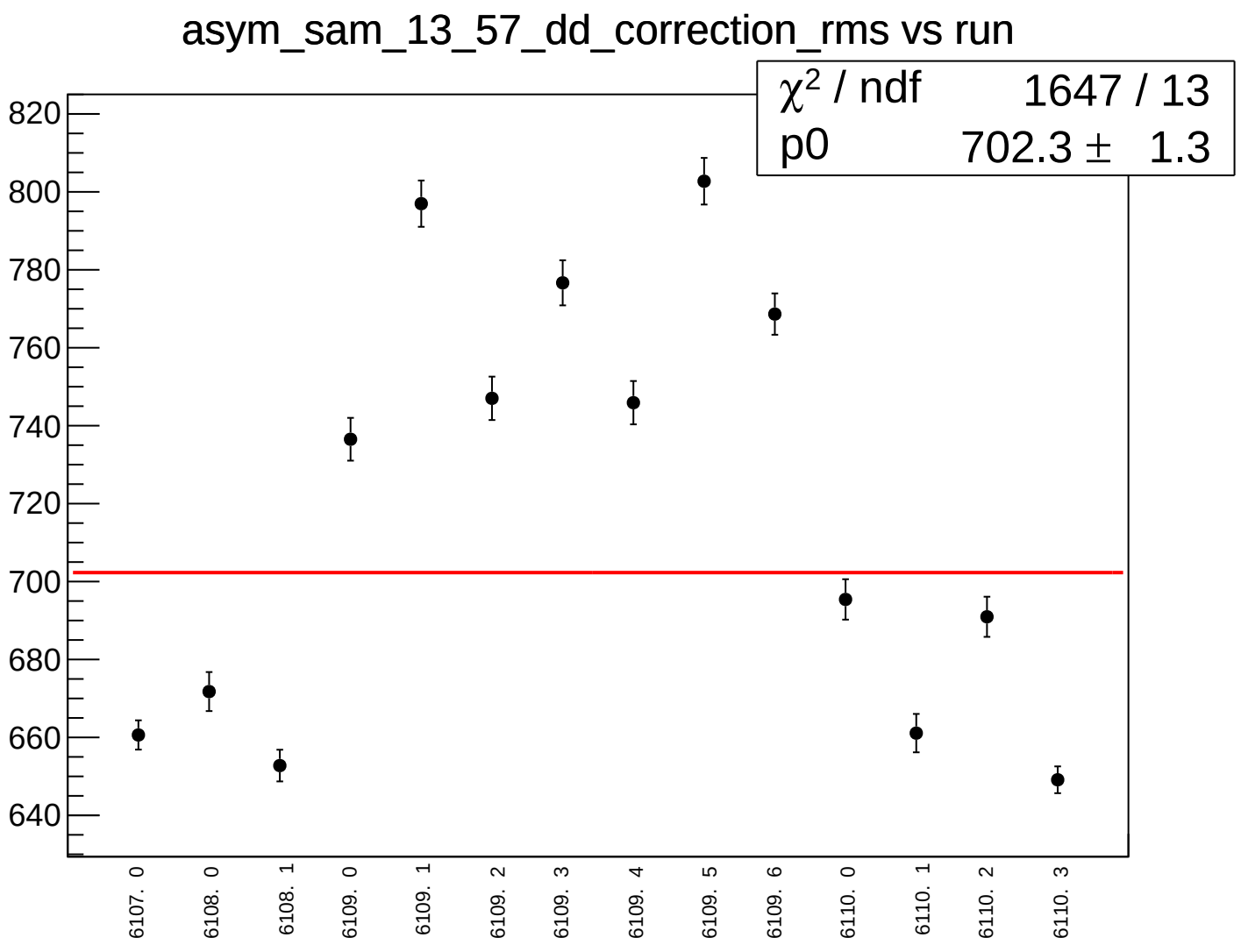

asym_sam_48_dd_rms vs run
χ² / ndf 119.8 / 13
p0 1586 ± 2.928
1680
1660
1640
1620
1600
1580
1560
1540
1520
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

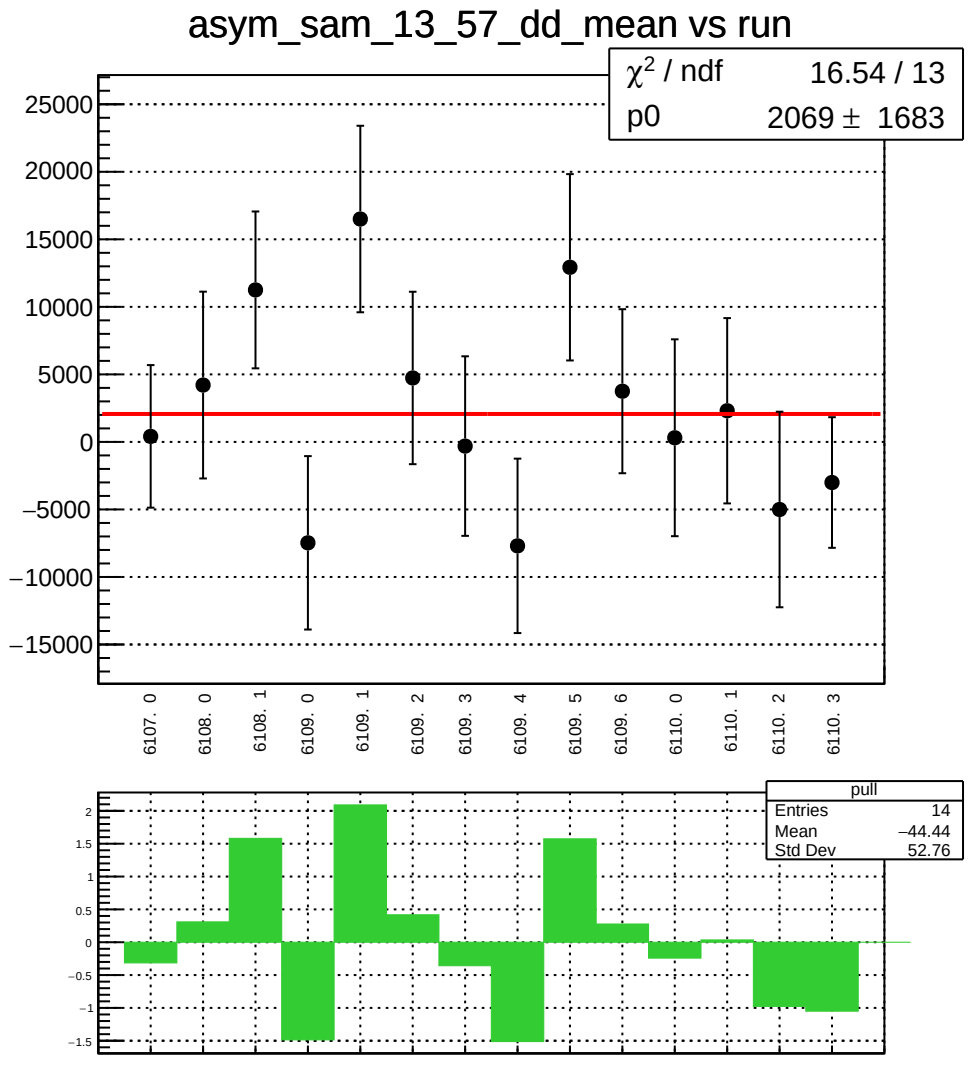

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 20.62 / 13
p0 −153.7 ± 242.8
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −3.337
Std Dev 10.32
2
1
0
−1
−2

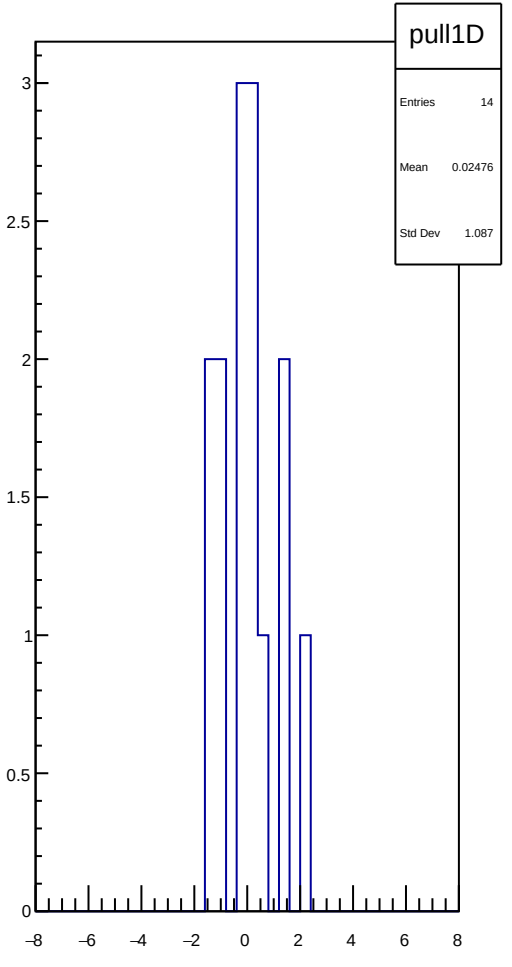

pull1D
Entries 14
Mean −0.09034
Std Dev 1.21
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

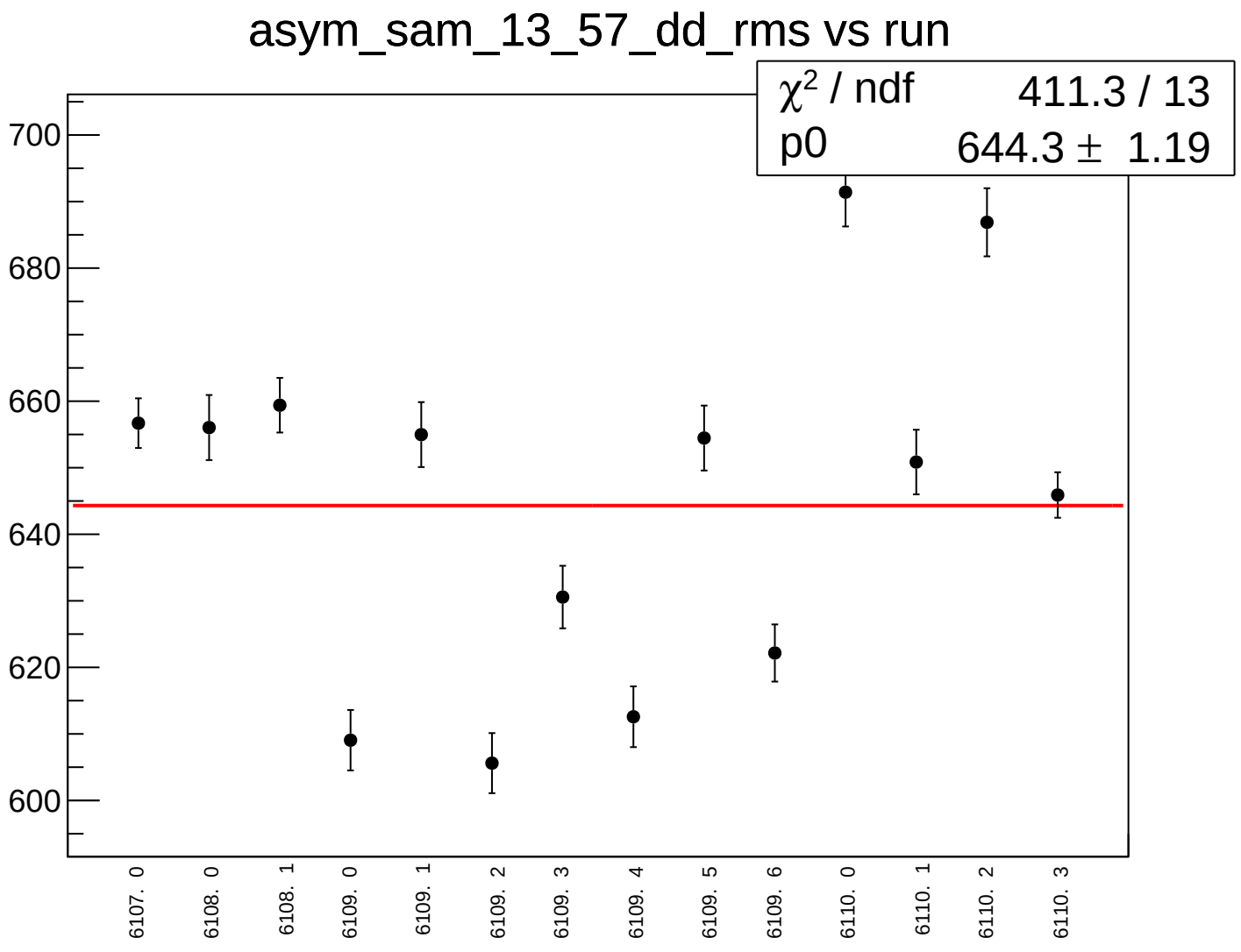

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 8.501e+04 / 13
p0 78.36 ± 0.1717
300
250
200
150
100
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

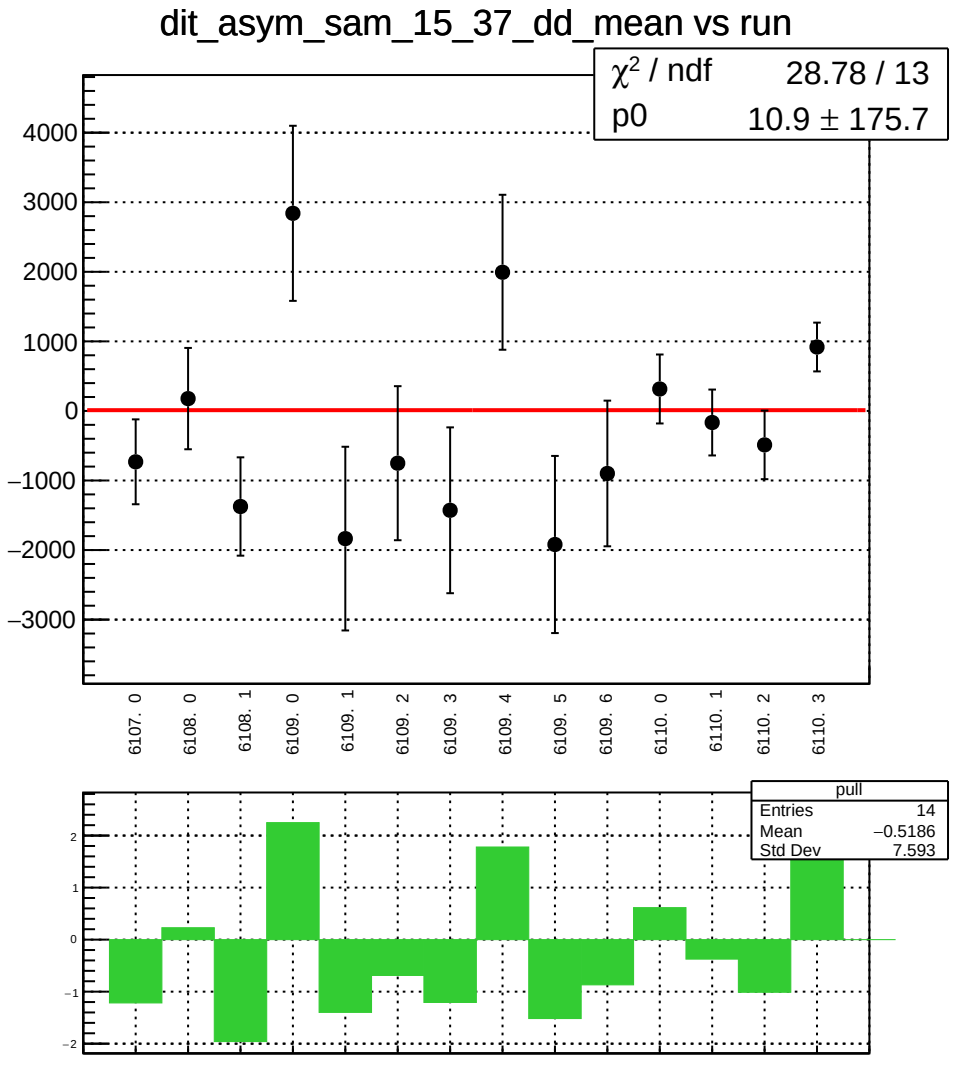

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 18.17 / 13
p0 −1826 ± 1839
20000
10000
0
−10000
−20000
−30000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −27.36
Std Dev 35.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.03605
Std Dev 1.139
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

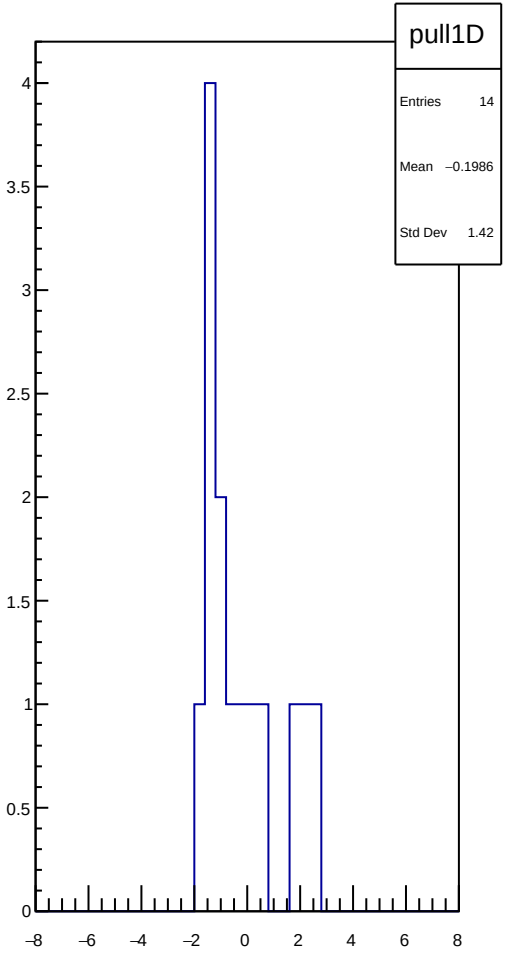

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1647 / 13
p0 702.3 ± 1.3
820
800
780
760
740
720
700
680
660
640
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

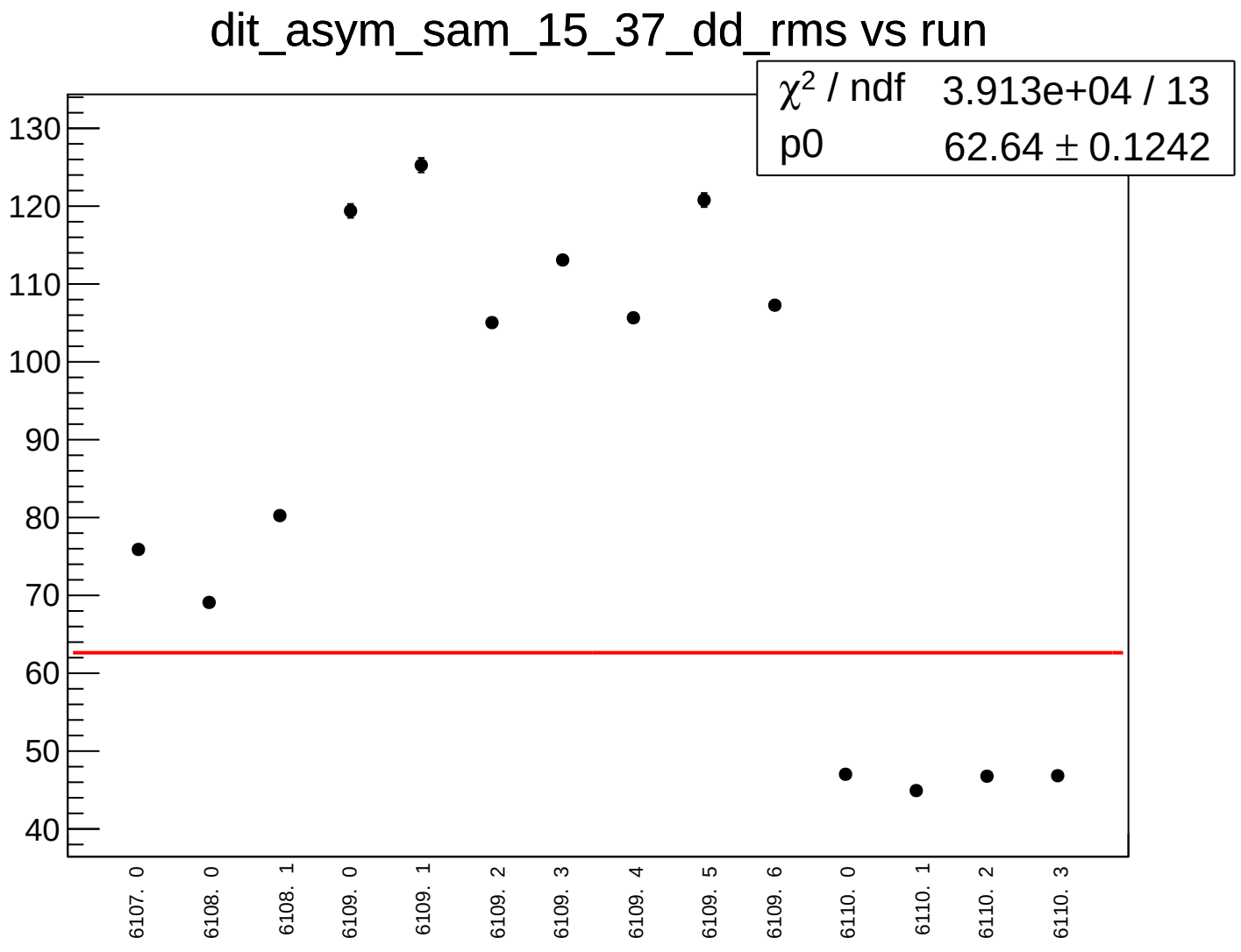

asym_sam_13_57_dd_mean vs run
χ² / ndf 16.54 / 13
p0 2069 ± 1683
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −44.44
Std Dev 52.76
2
1.5
1
0.5
0
−0.5
−1
−1.5

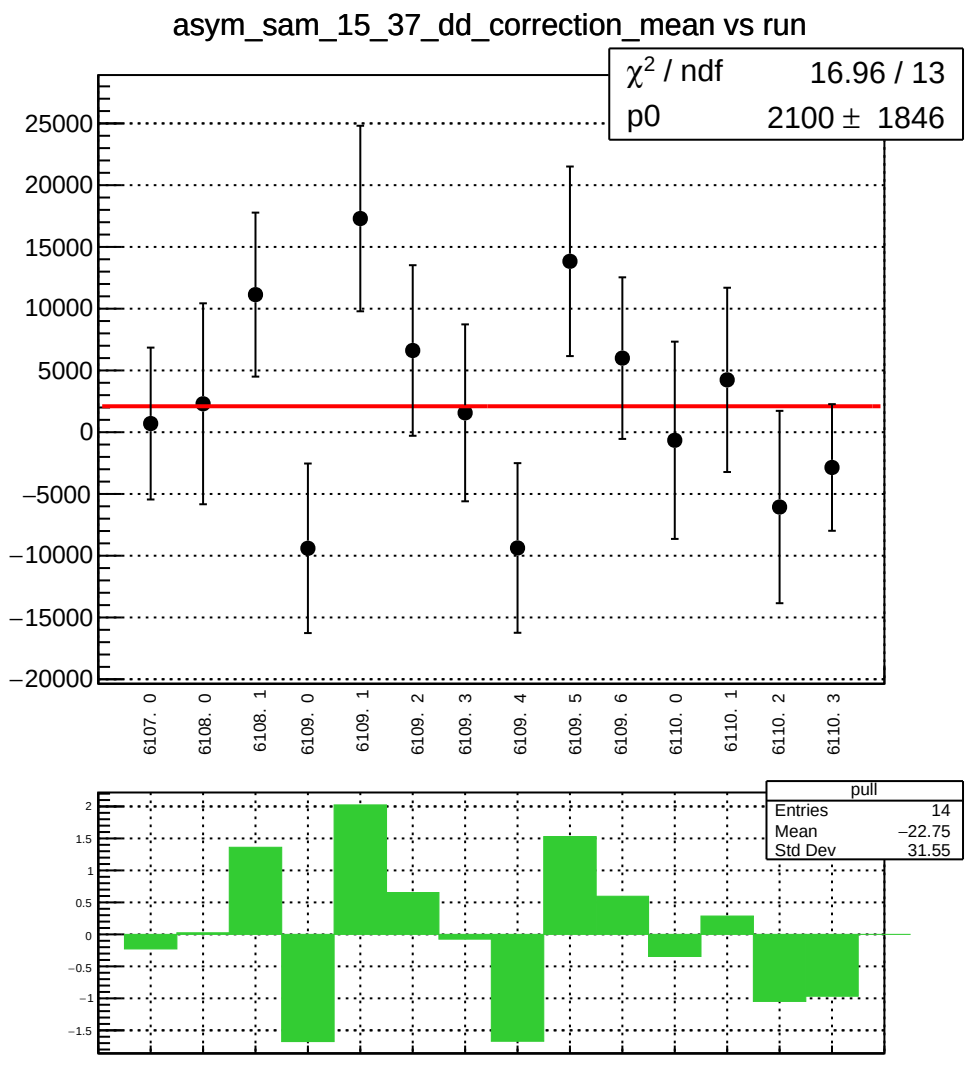

pull1D
Entries 14
Mean 0.02476
Std Dev 1.087
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

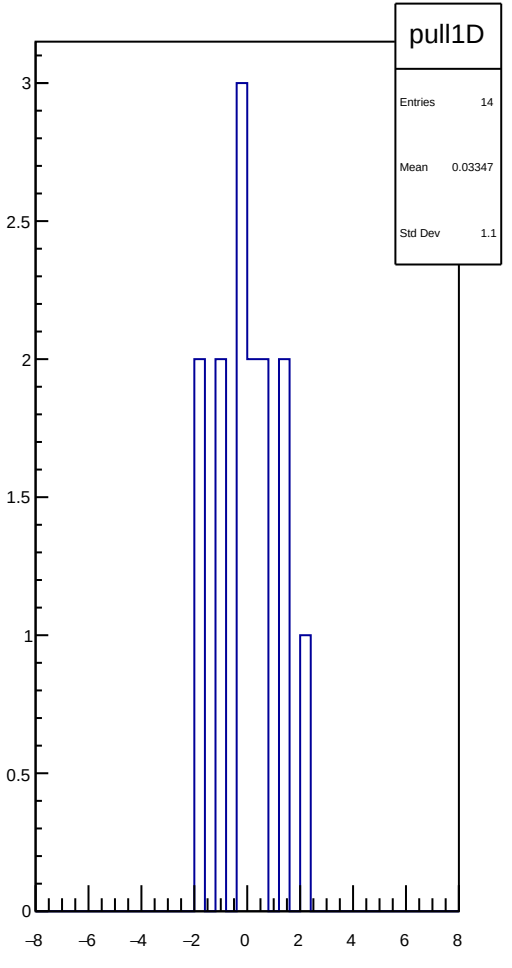

asym_sam_13_57_dd_rms vs run
χ² / ndf 411.3 / 13
p0 644.3 ± 1.19
700
680
660
640
620
600
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

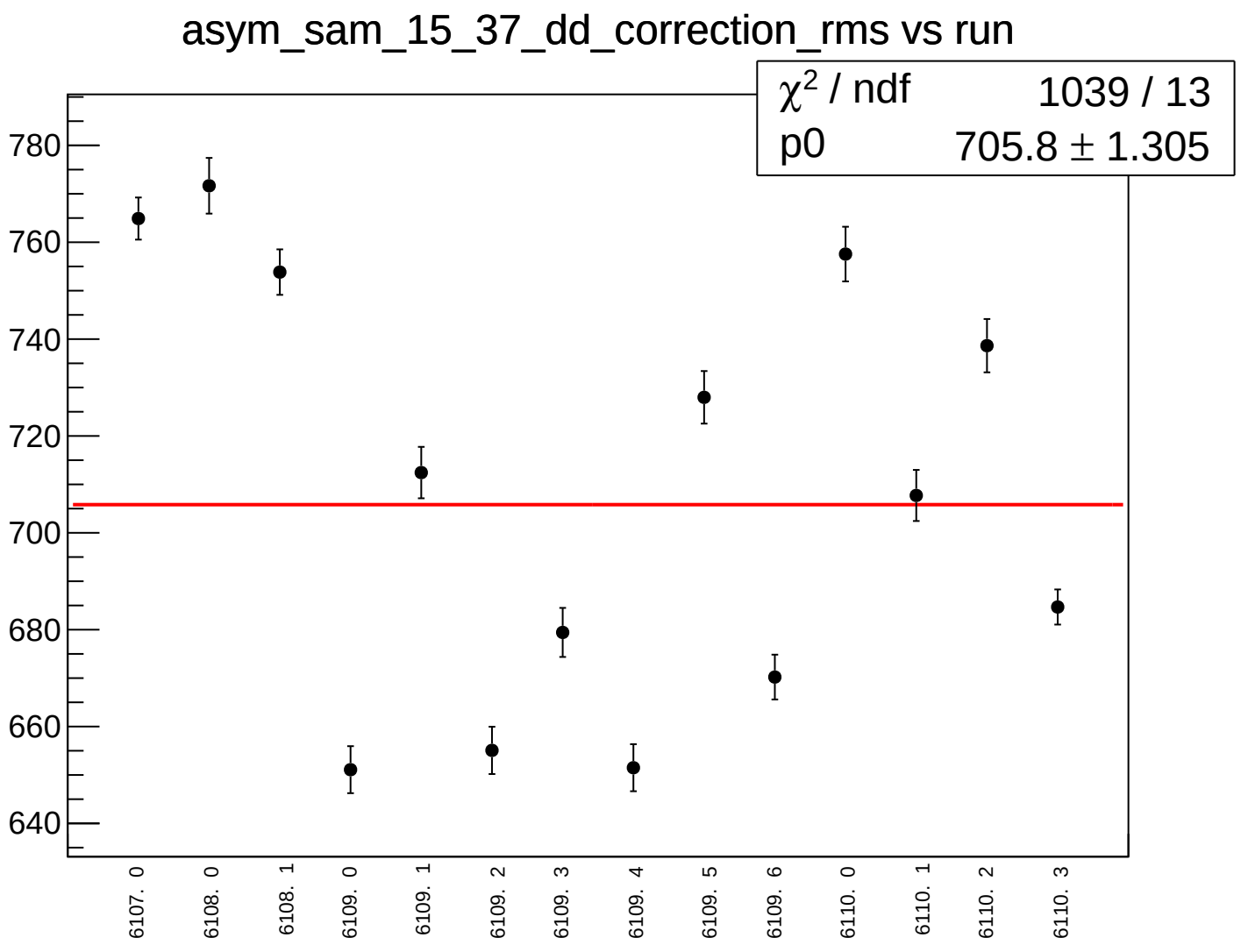

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 28.78 / 13
p0 10.9 ± 175.7
4000
3000
2000
1000
0
−1000
−2000
−3000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.5186
Std Dev 7.593
2
1
0
−1
−2

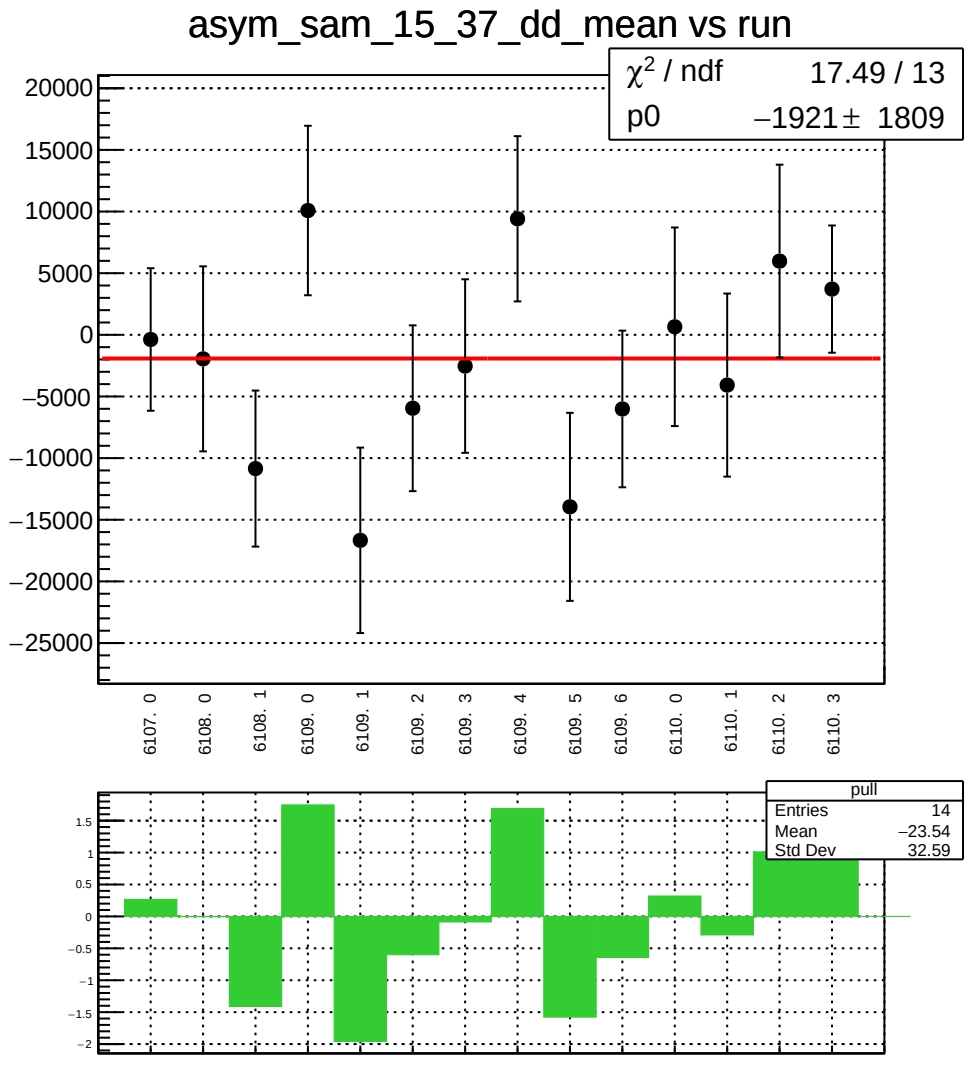

pull1D
Entries 14
Mean −0.1986
Std Dev 1.42
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

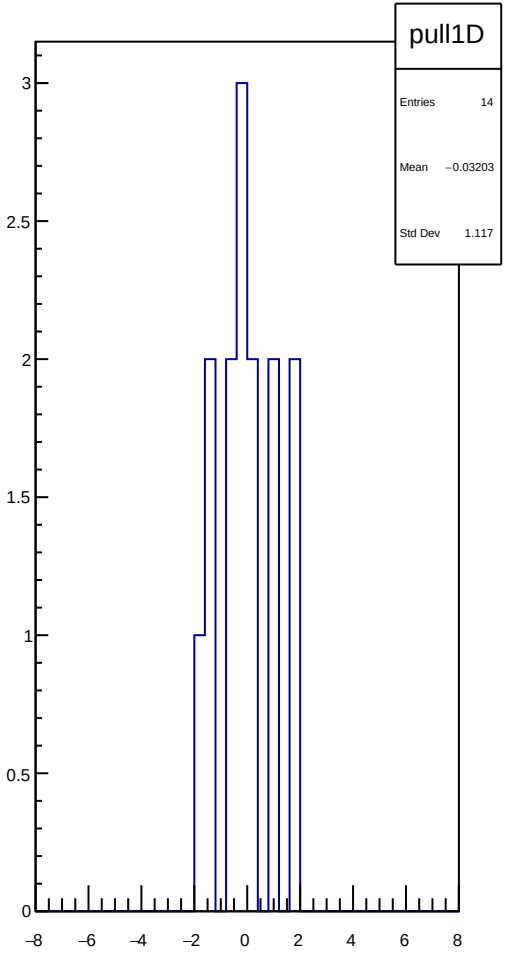

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.913e+04 / 13
p0 62.64 ± 0.1242
130
120
110
100
90
80
70
60
50
40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

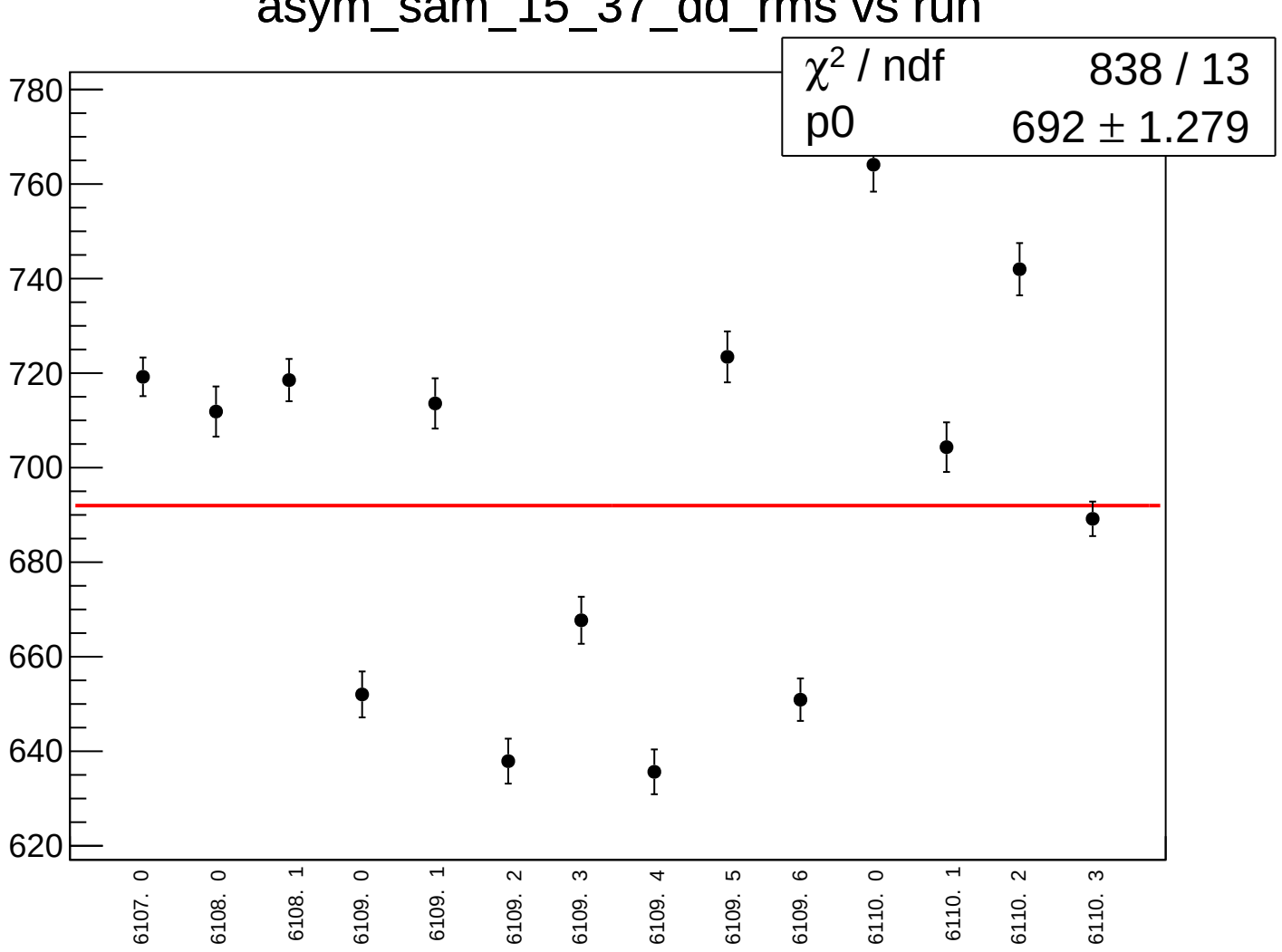

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 16.96 / 13
p0 2100 ± 1846
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −22.75
Std Dev 31.55
2
1.5
1
0.5
0
−0.5
−1
−1.5

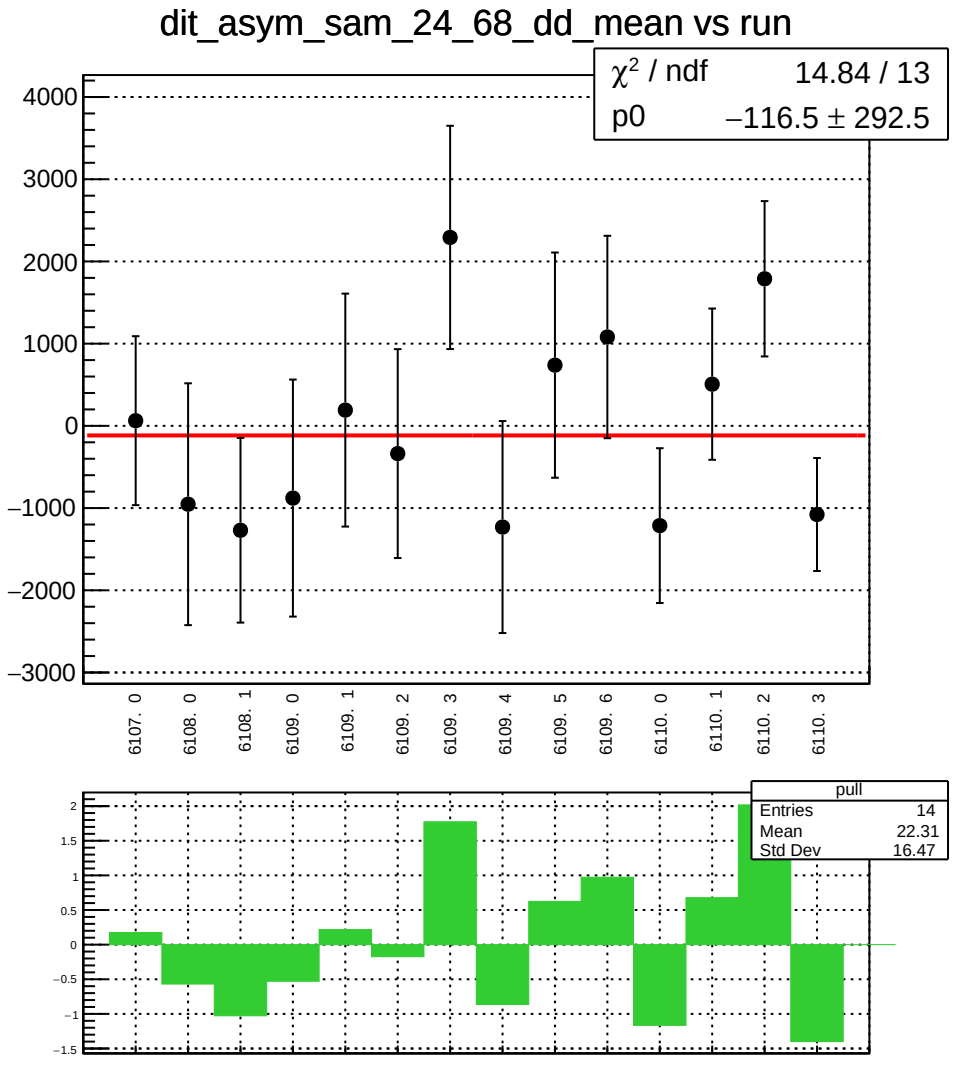

pull1D
Entries 14
Mean 0.03347
Std Dev 1.1
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

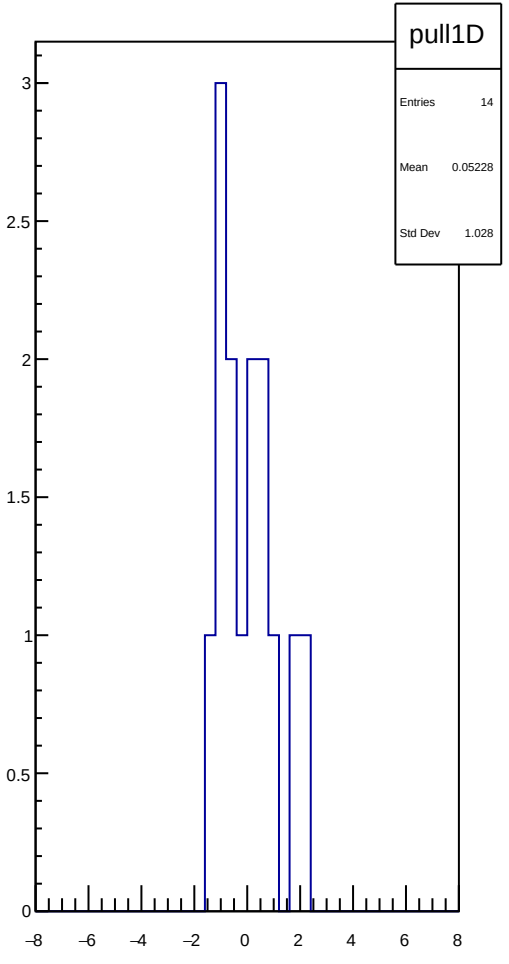

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1039 / 13
p0 705.8 ± 1.305
780
760
740
720
700
680
660
640
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

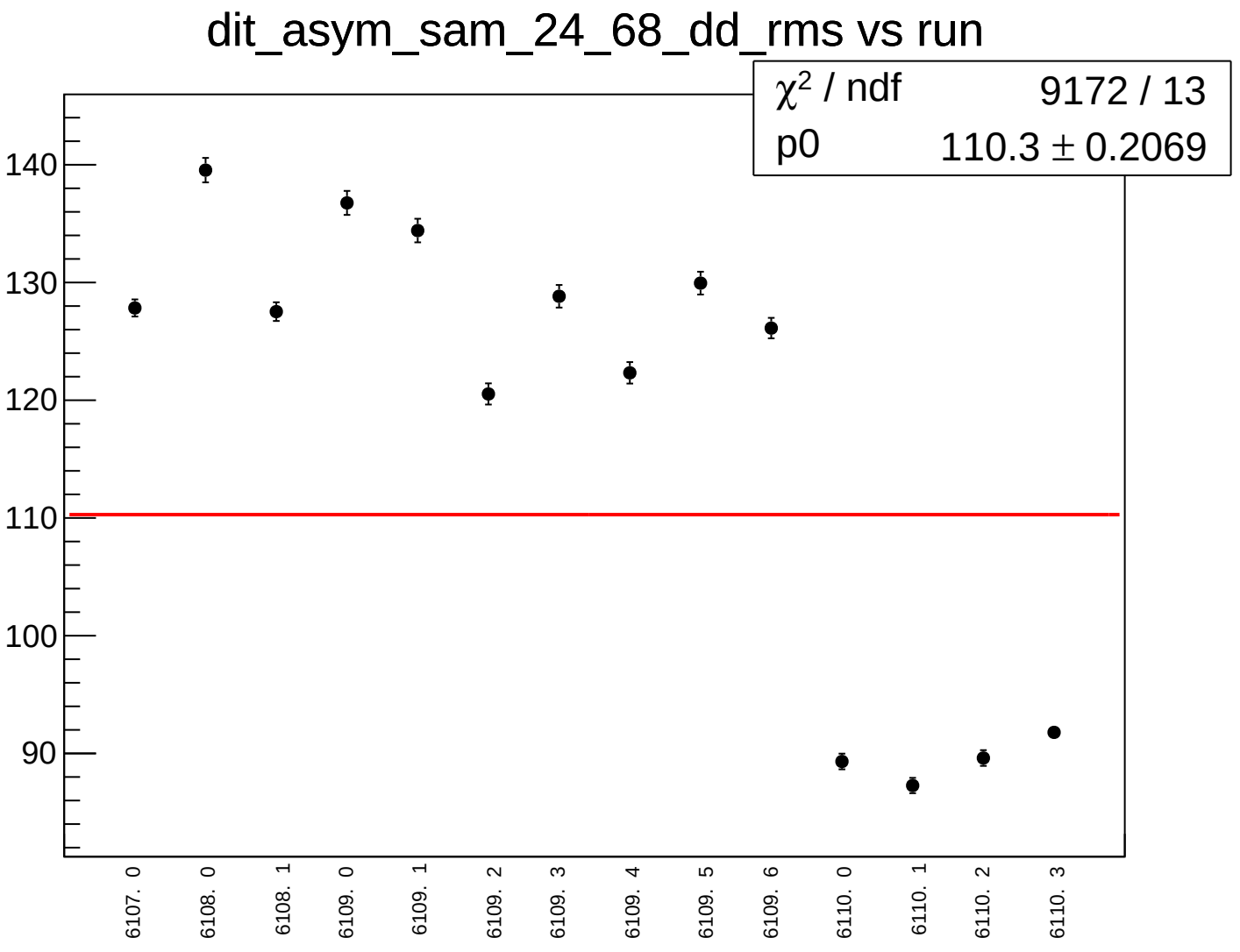

asym_sam_15_37_dd_mean vs run
χ² / ndf 17.49 / 13
p0 −1921 ± 1809
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −23.54
Std Dev 32.59
1.5
1
0.5
0
−0.5
−1
−1.5
−2

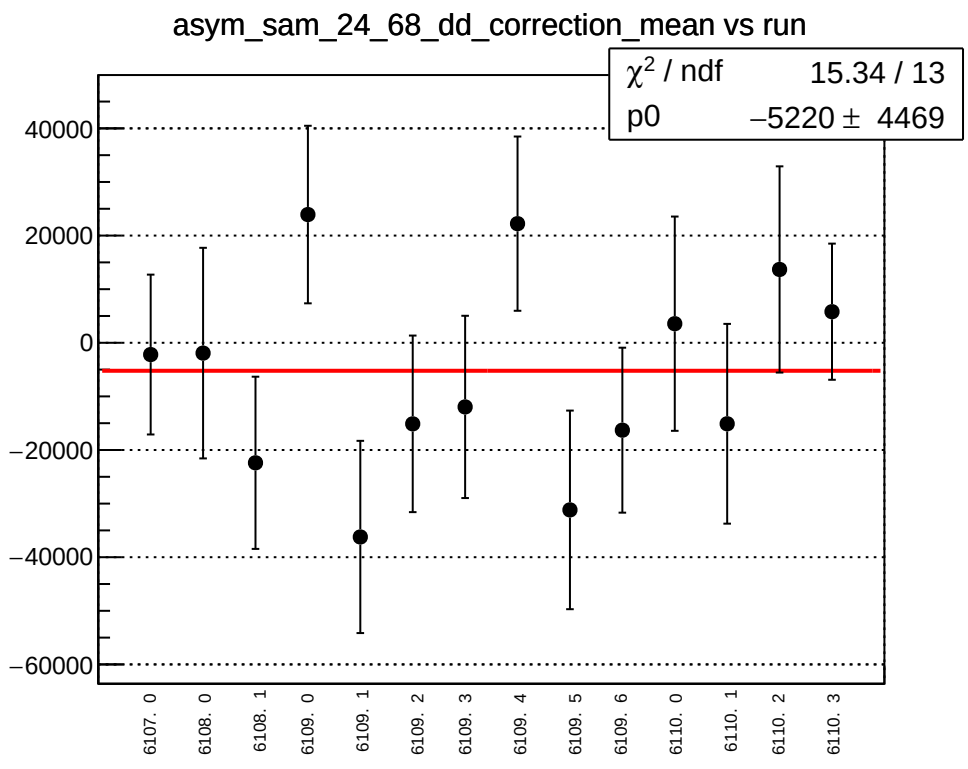

pull1D
Entries 14
Mean −0.03203
Std Dev 1.117
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

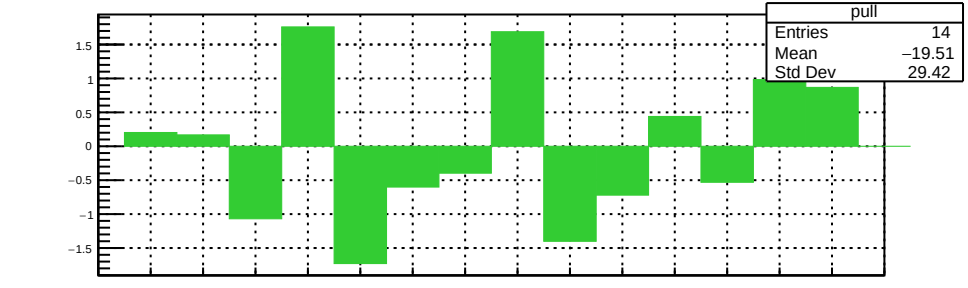

asym_sam_15_37_dd_rms vs run
χ² / ndf 838 / 13
p0 692 ± 1.279
780
760
740
720
700
680
660
640
620
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

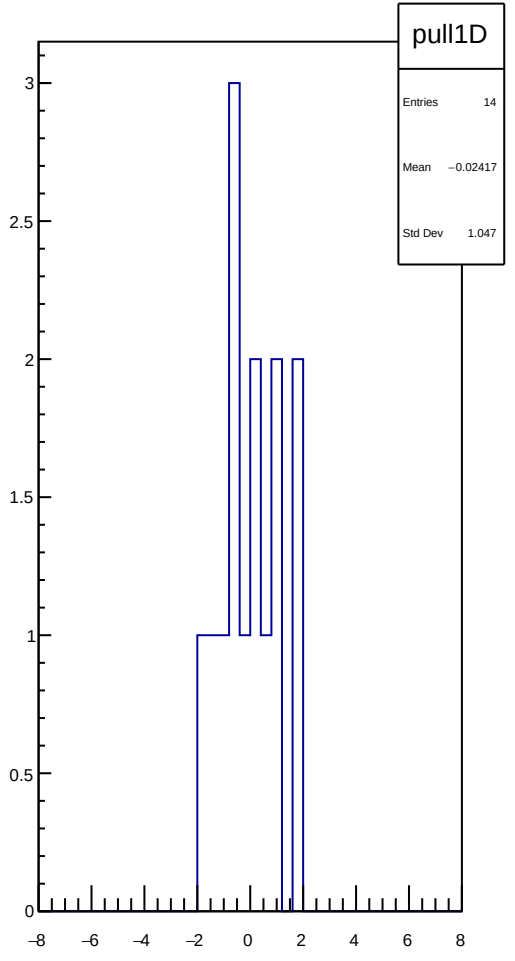

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 14.84 / 13
p0 −116.5 ± 292.5
4000
3000
2000
1000
0
−1000
−2000
−3000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.31
Std Dev 16.47
2
1.5
1
0.5
0
−0.5
−1
−1.5

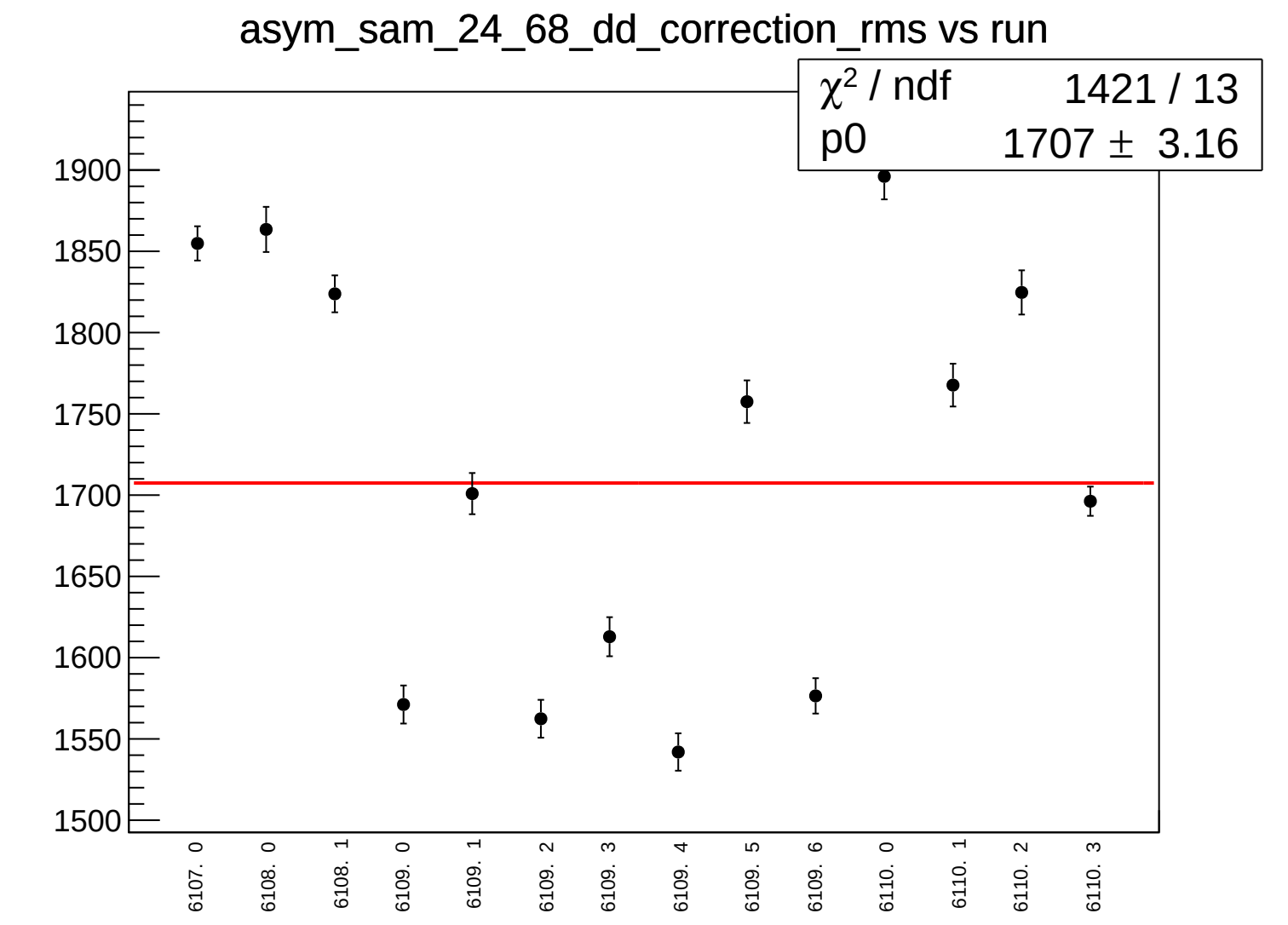

pull1D
Entries 14
Mean 0.05228
Std Dev 1.028
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

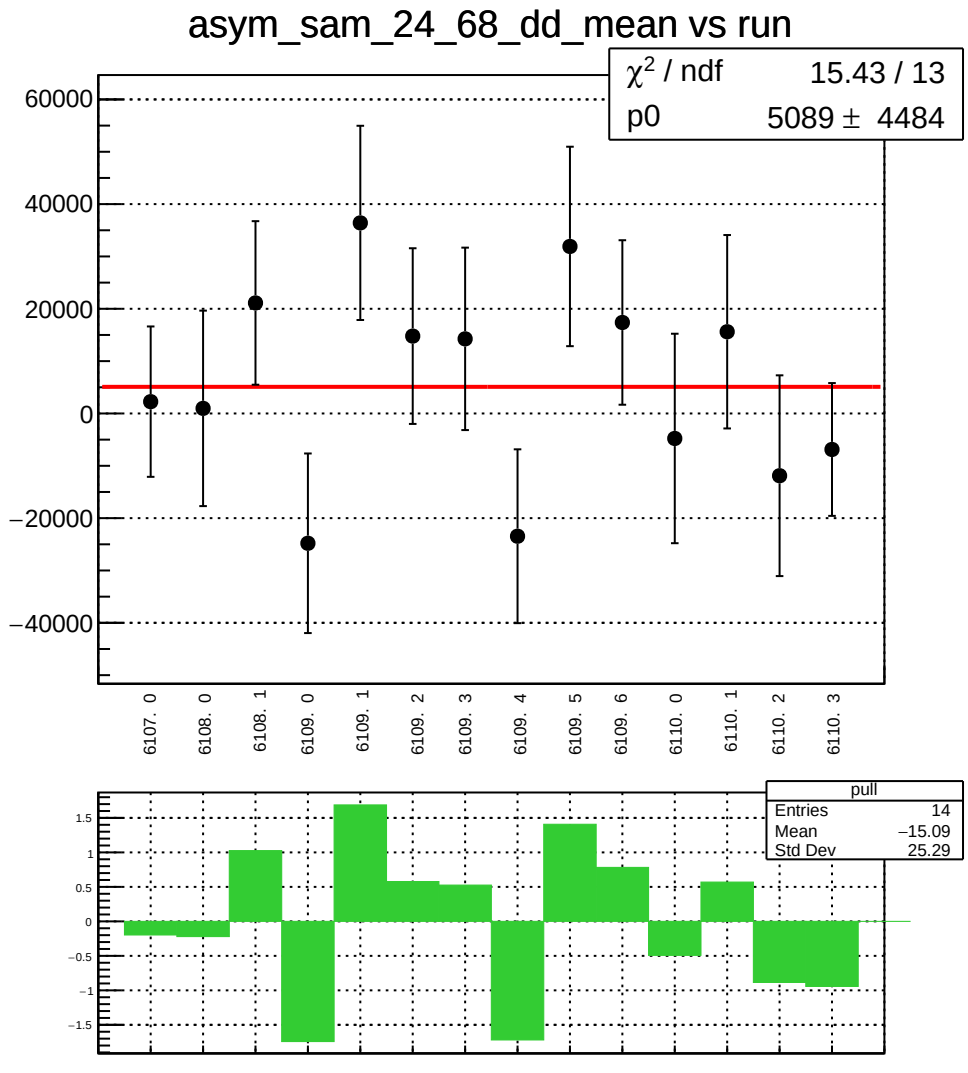

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 9172 / 13
p0 110.3 ± 0.2069
140
130
120
110
100
90
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

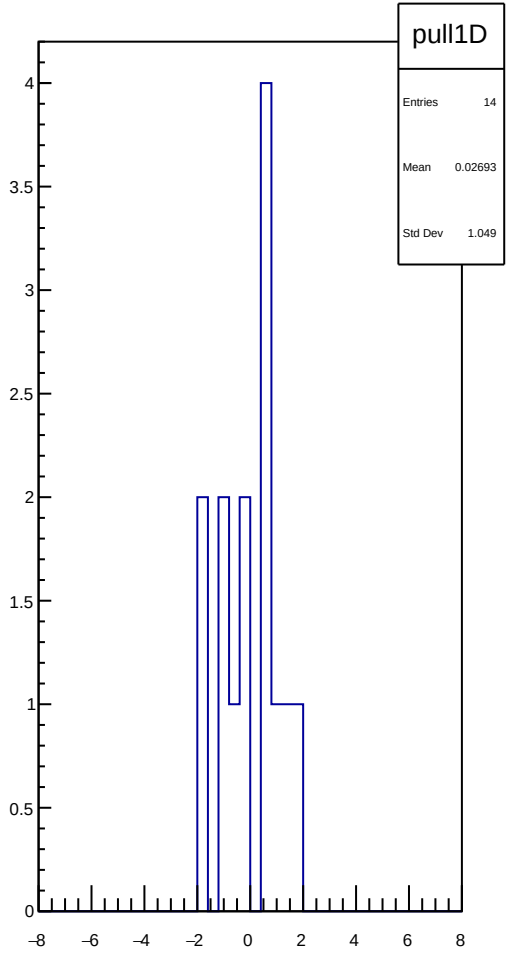

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 15.34 / 13
p0 −5220 ± 4469
40000
20000
0
−20000
−40000
−60000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

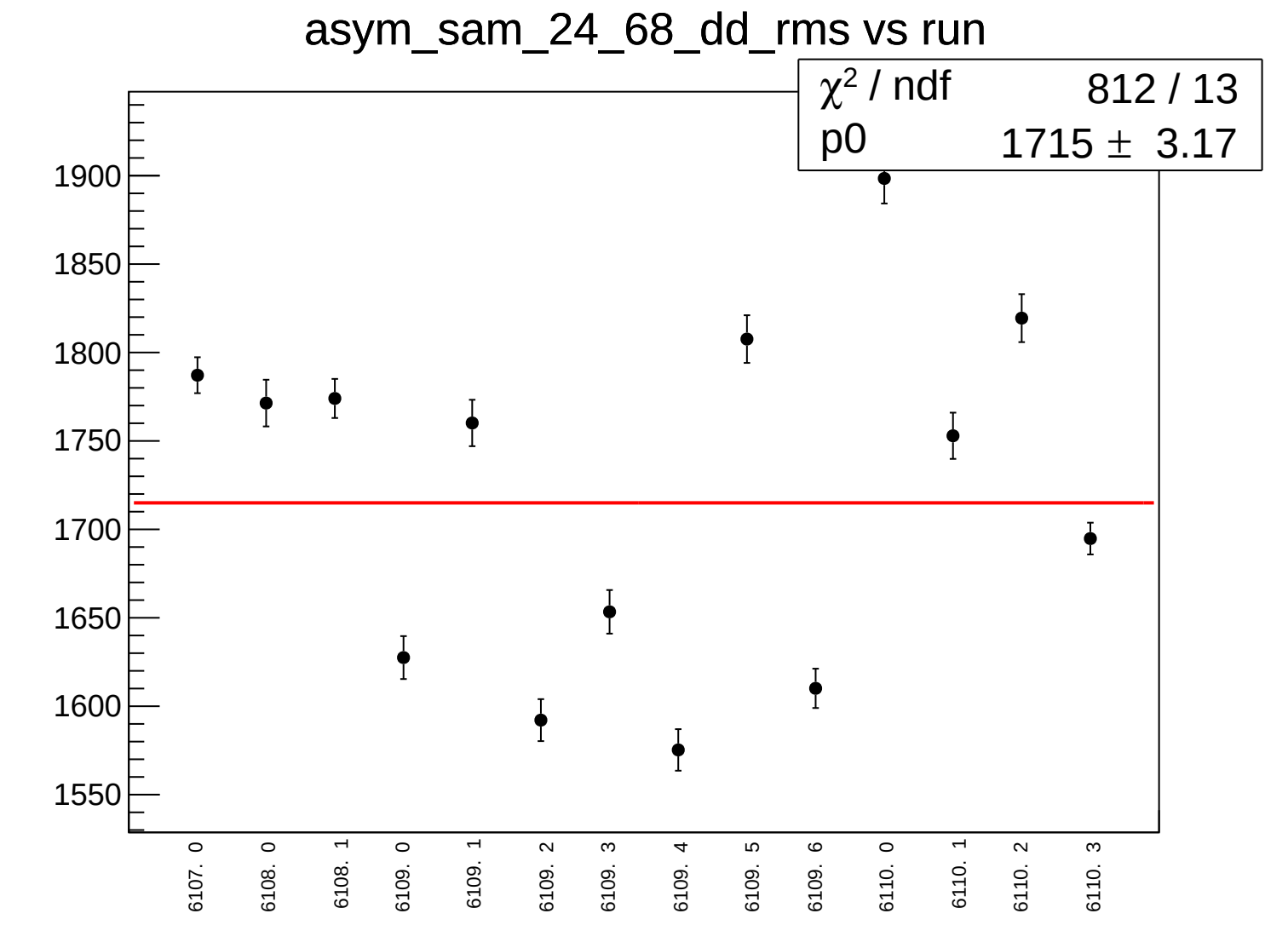

pull
Entries 14
Mean −19.51
Std Dev 29.42
1.5
1
0.5
0
−0.5
−1
−1.5

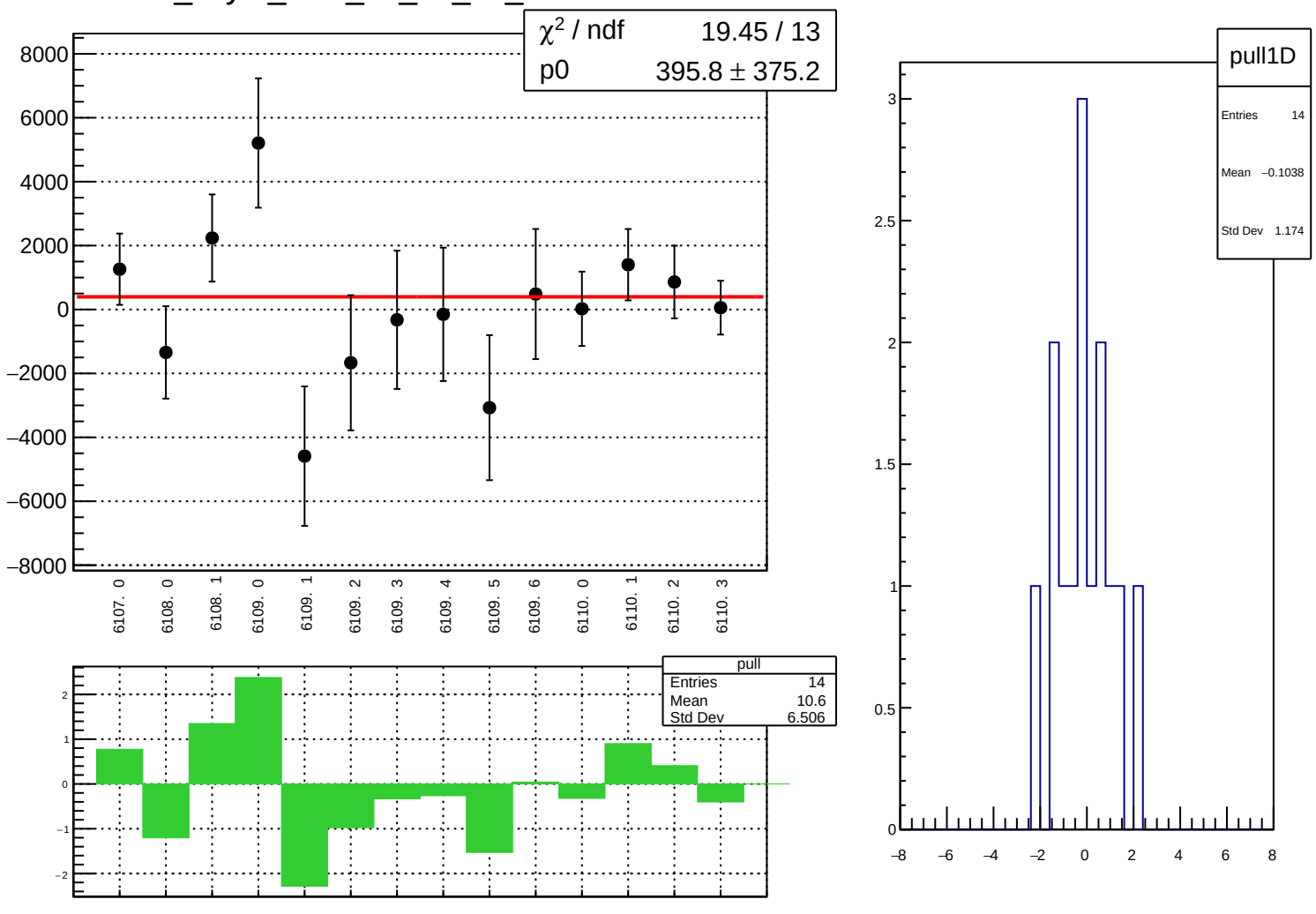

pull1D
Entries 14
Mean −0.02417
Std Dev 1.047
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

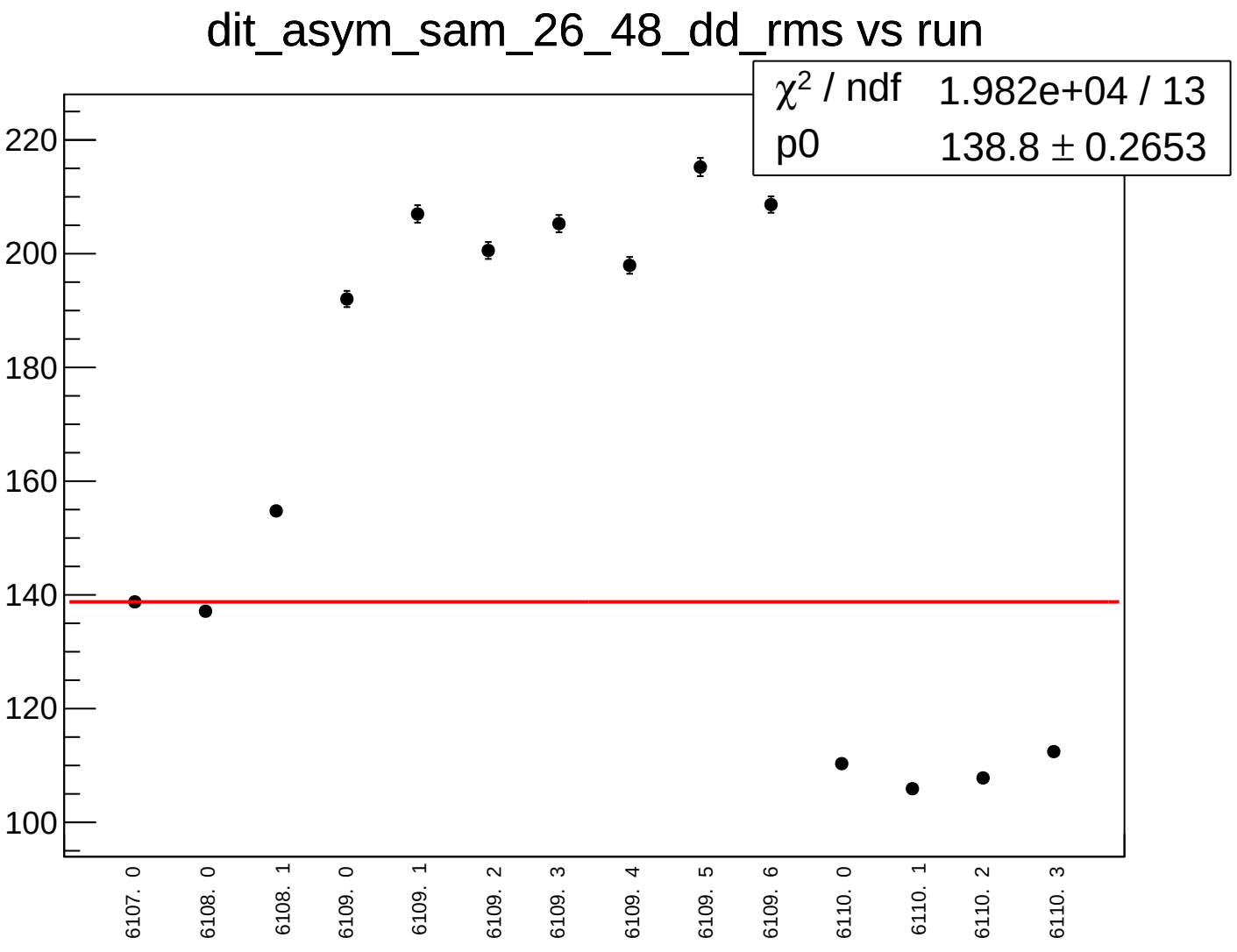

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1421 / 13
p0 1707 ± 3.16
1900
1850
1800
1750
1700
1650
1600
1550
1500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

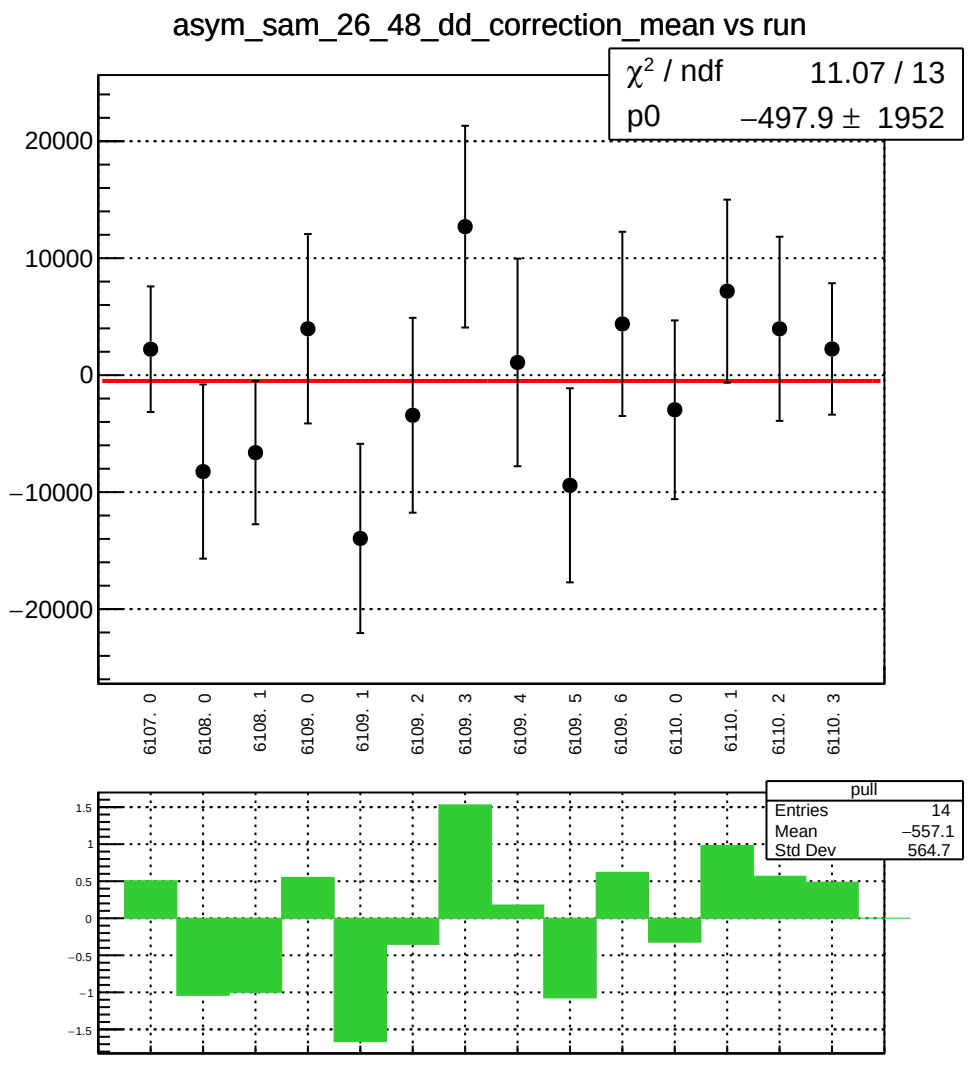

asym_sam_24_68_dd_mean vs run
χ² / ndf 15.43 / 13
p0 5089 ± 4484
60000
40000
20000
0
−20000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −15.09
Std Dev 25.29
1.5
1
0.5
0
−0.5
−1
−1.5

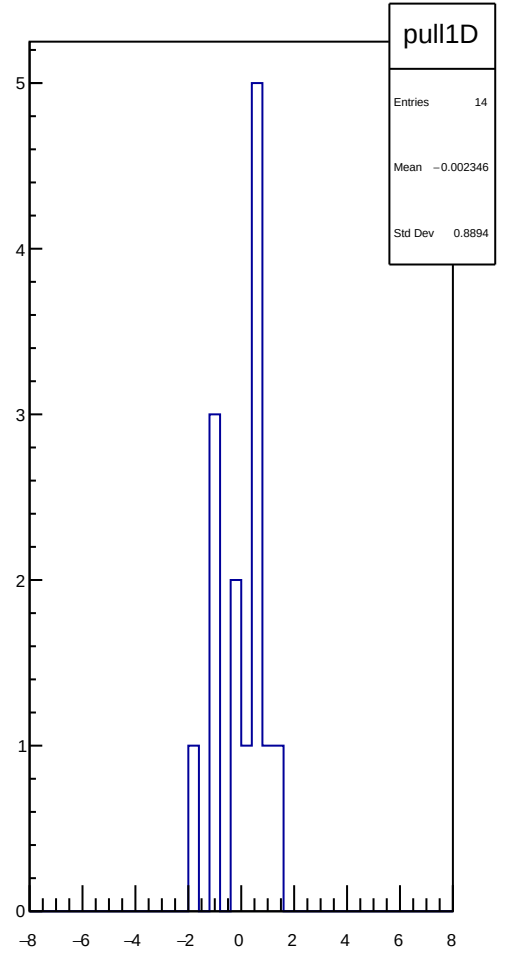

pull1D
Entries 14
Mean 0.02693
Std Dev 1.049
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

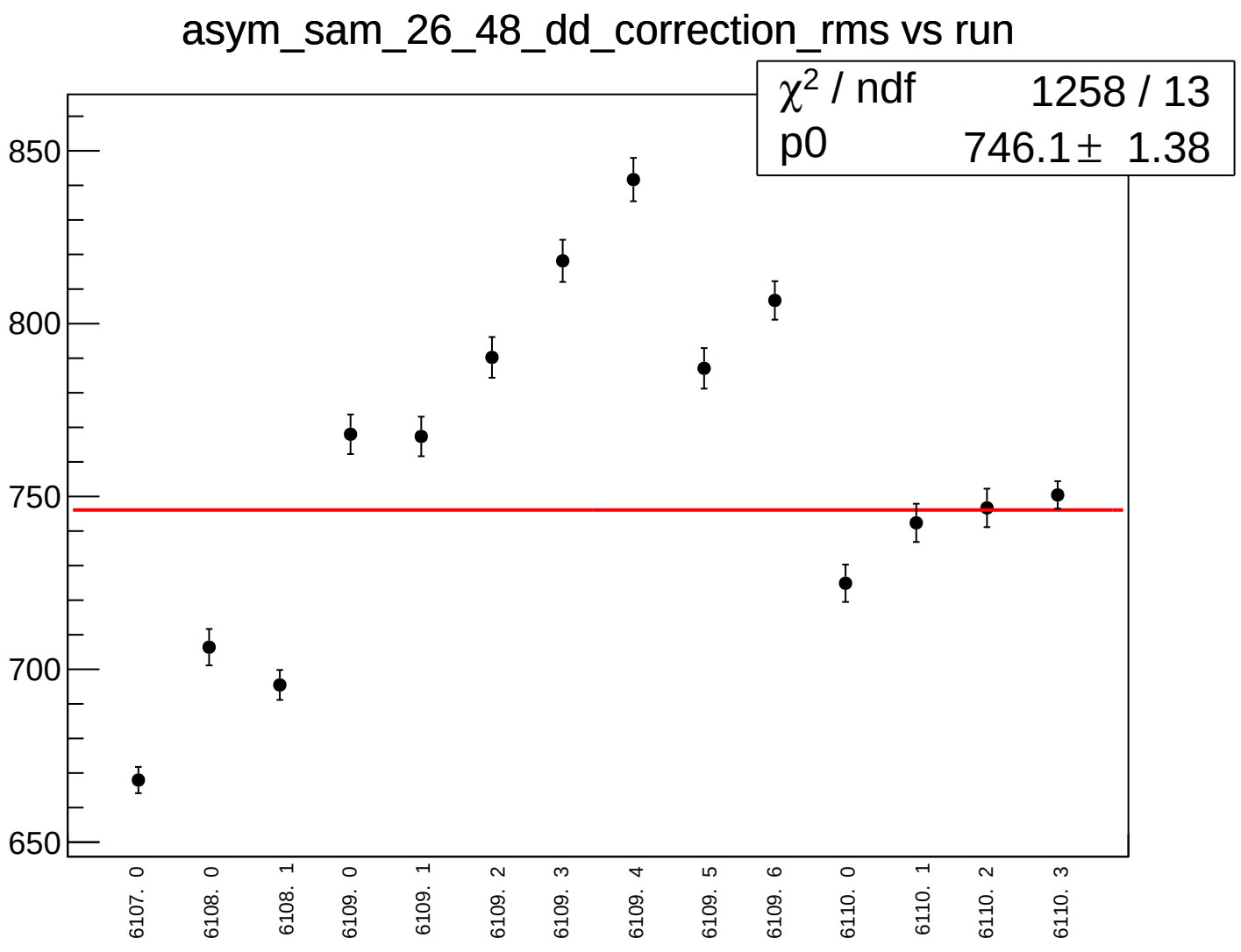

asym_sam_24_68_dd_rms vs run
χ² / ndf 812 / 13
p0 1715 ± 3.17
1900
1850
1800
1750
1700
1650
1600
1550
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

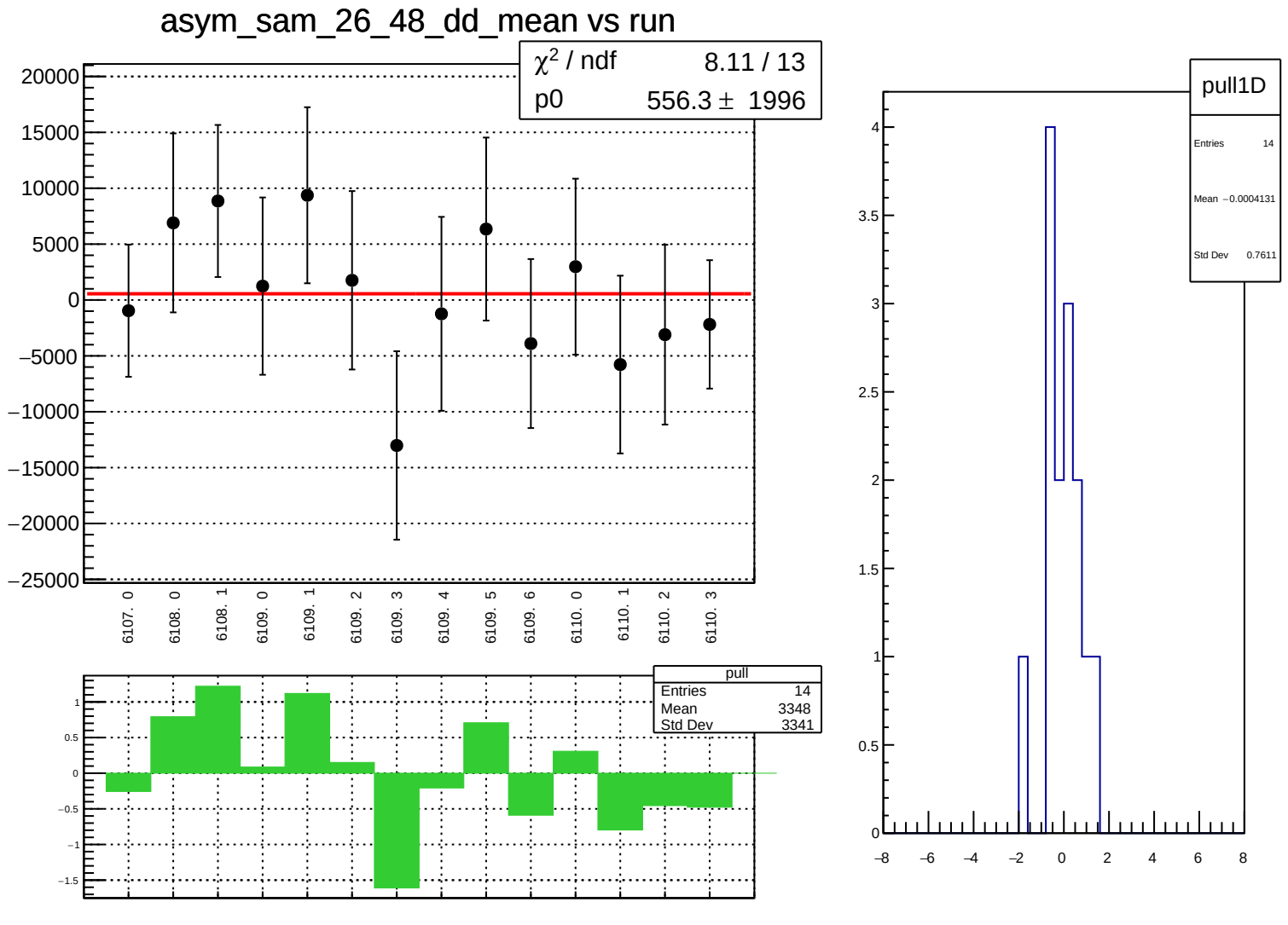

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 19.45 / 13
p0 395.8 ± 375.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 10.6
Std Dev 6.506
pull1D
Entries 14
Mean −0.1038
Std Dev 1.174

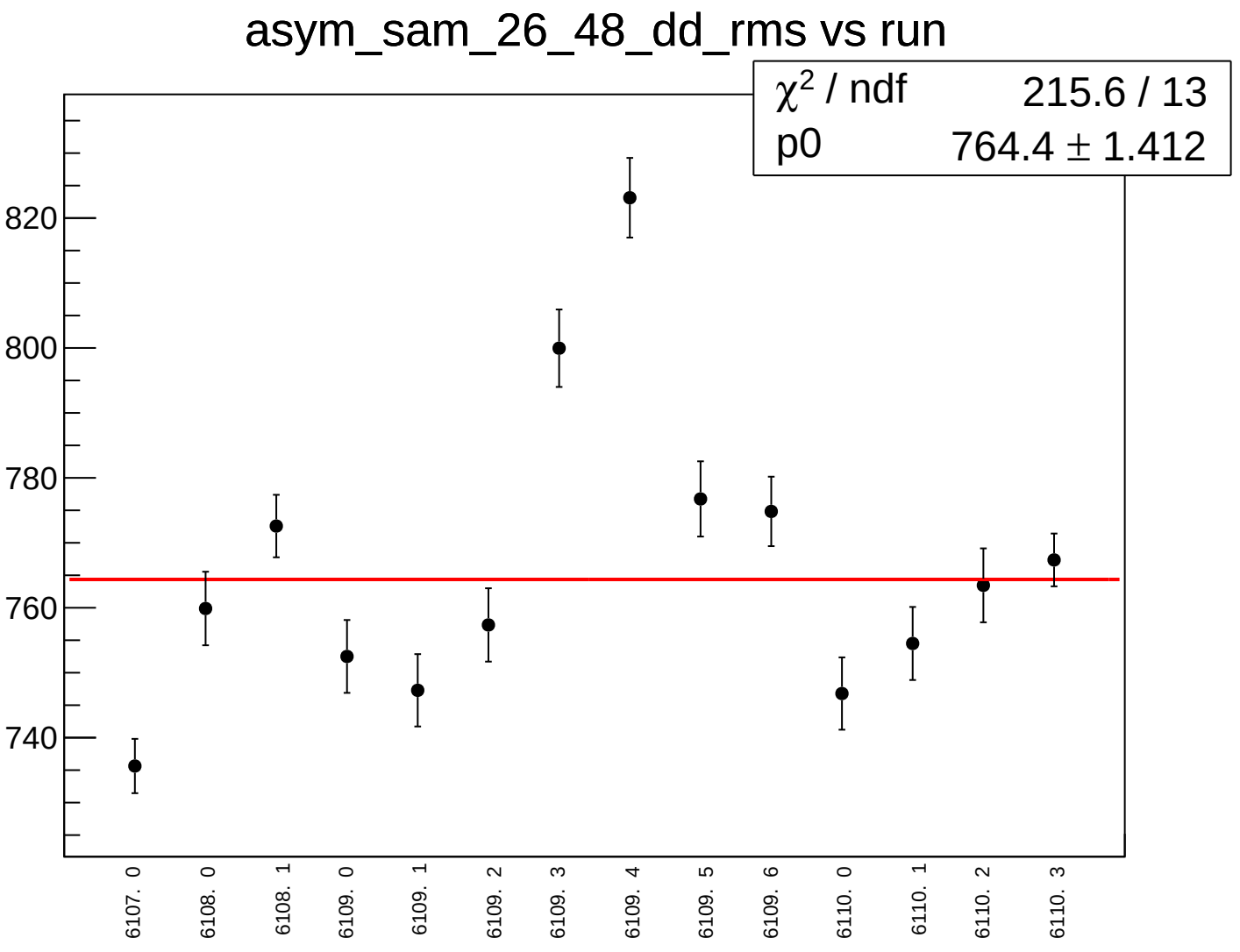

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.982e+04 / 13
p0 138.8 ± 0.2653
220
200
180
160
140
120
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

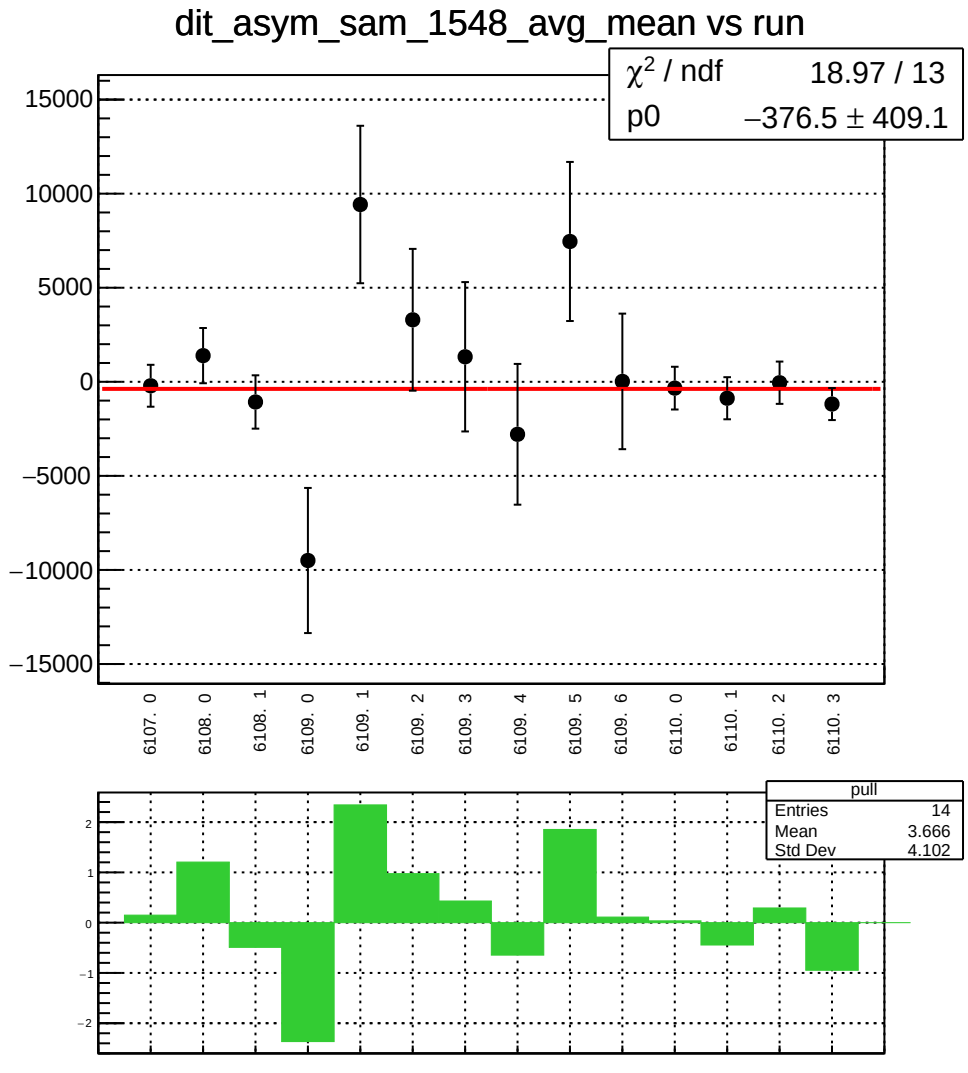

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 11.07 / 13
p0 −497.9 ± 1952
20000
10000
0
−10000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −557.1
Std Dev 564.7
1.5
1
0.5
0
−0.5
−1
−1.5

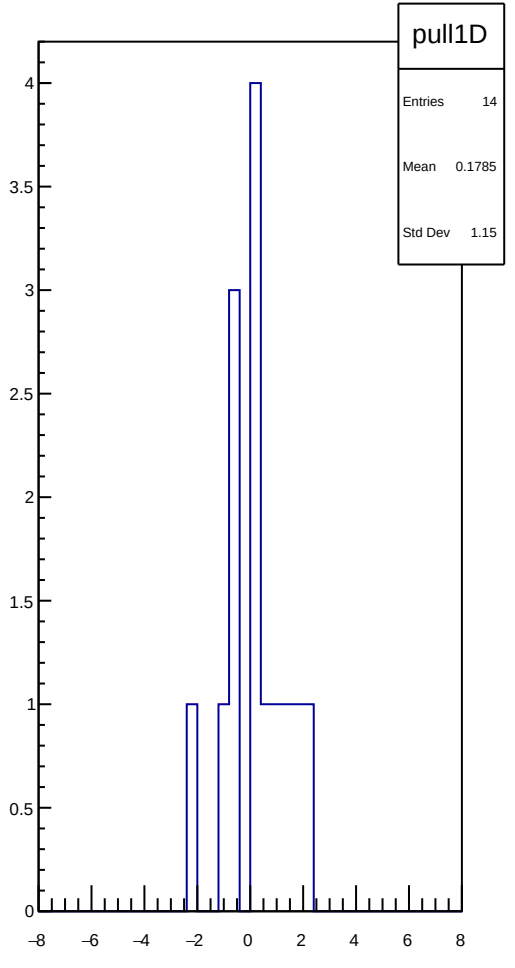

pull1D
Entries 14
Mean −0.002346
Std Dev 0.8894
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

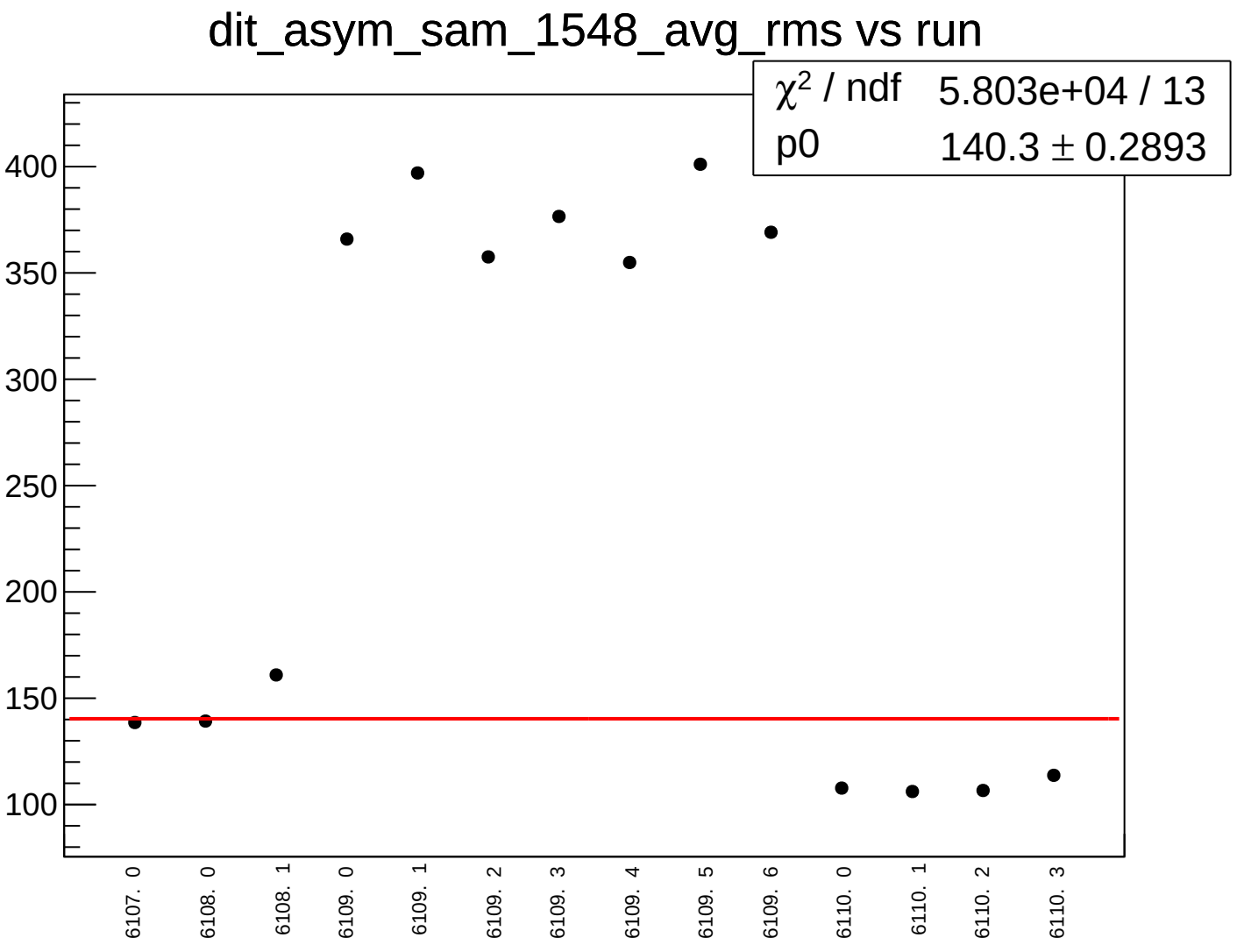

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1258 / 13
p0 746.1 ± 1.38
850
800
750
700
650
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

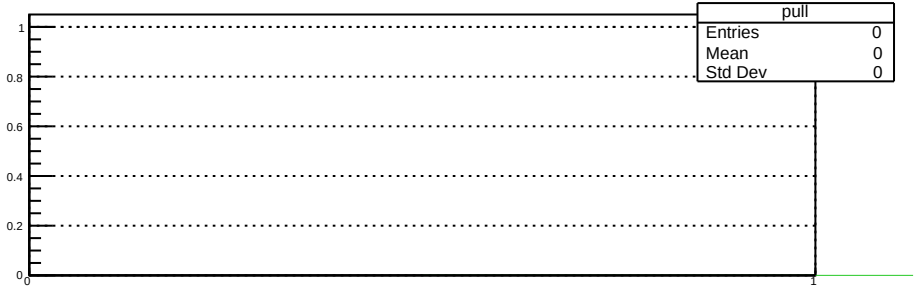

asym_sam_26_48_dd_mean vs run
χ² / ndf 8.11 / 13
p0 556.3 ± 1996
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 3348
Std Dev 3341
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.0004131
Std Dev 0.7611
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

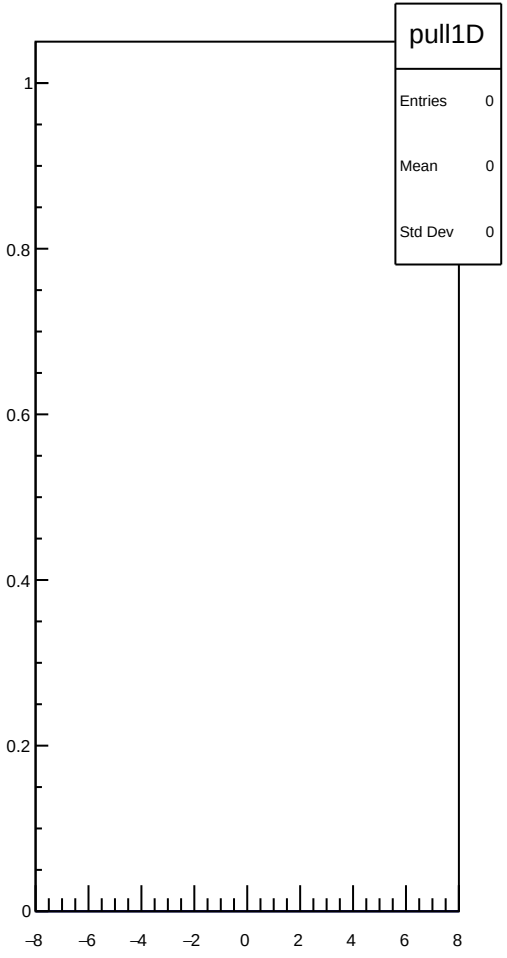

asym_sam_26_48_dd_rms vs run
χ² / ndf 215.6 / 13
p0 764.4 ± 1.412
820
800
780
760
740
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

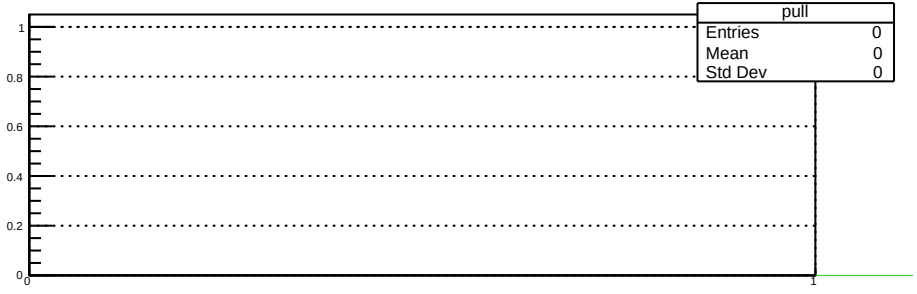

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 18.97 / 13
p0 −376.5 ± 409.1
15000
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 3.666
Std Dev 4.102
2
1
0
−1
−2

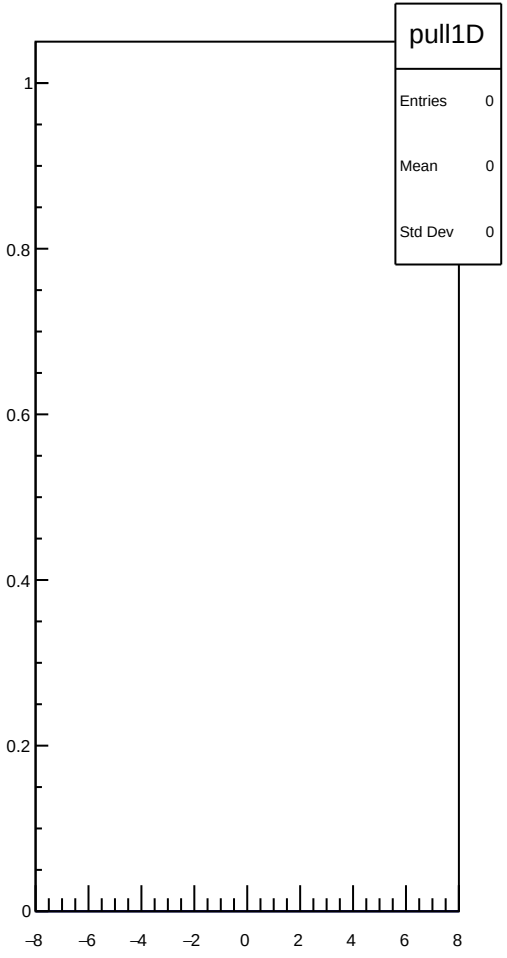

pull1D
Entries 14
Mean 0.1785
Std Dev 1.15
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

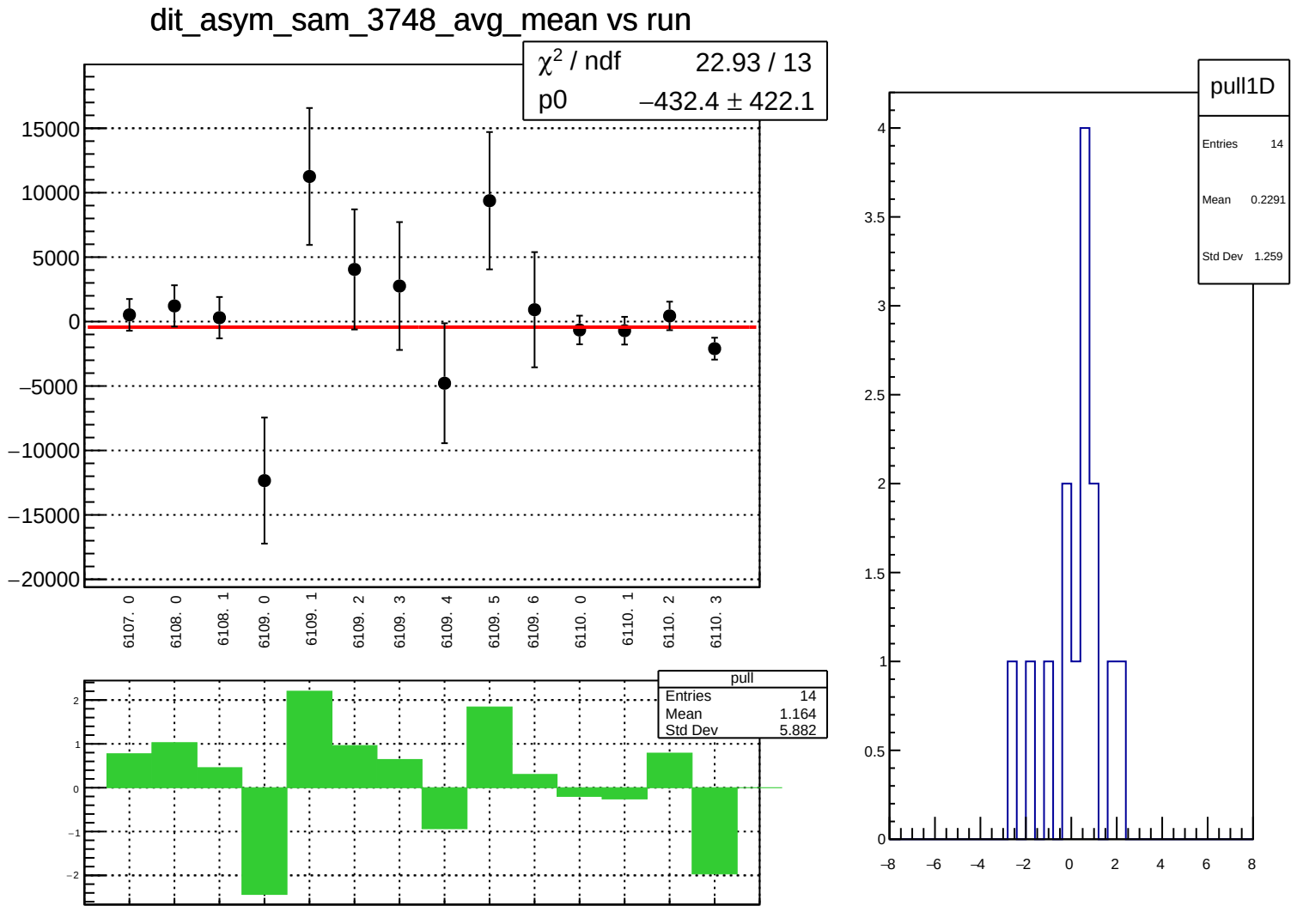

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 5.803e+04 / 13
p0 140.3 ± 0.2893
400
350
300
250
200
150
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

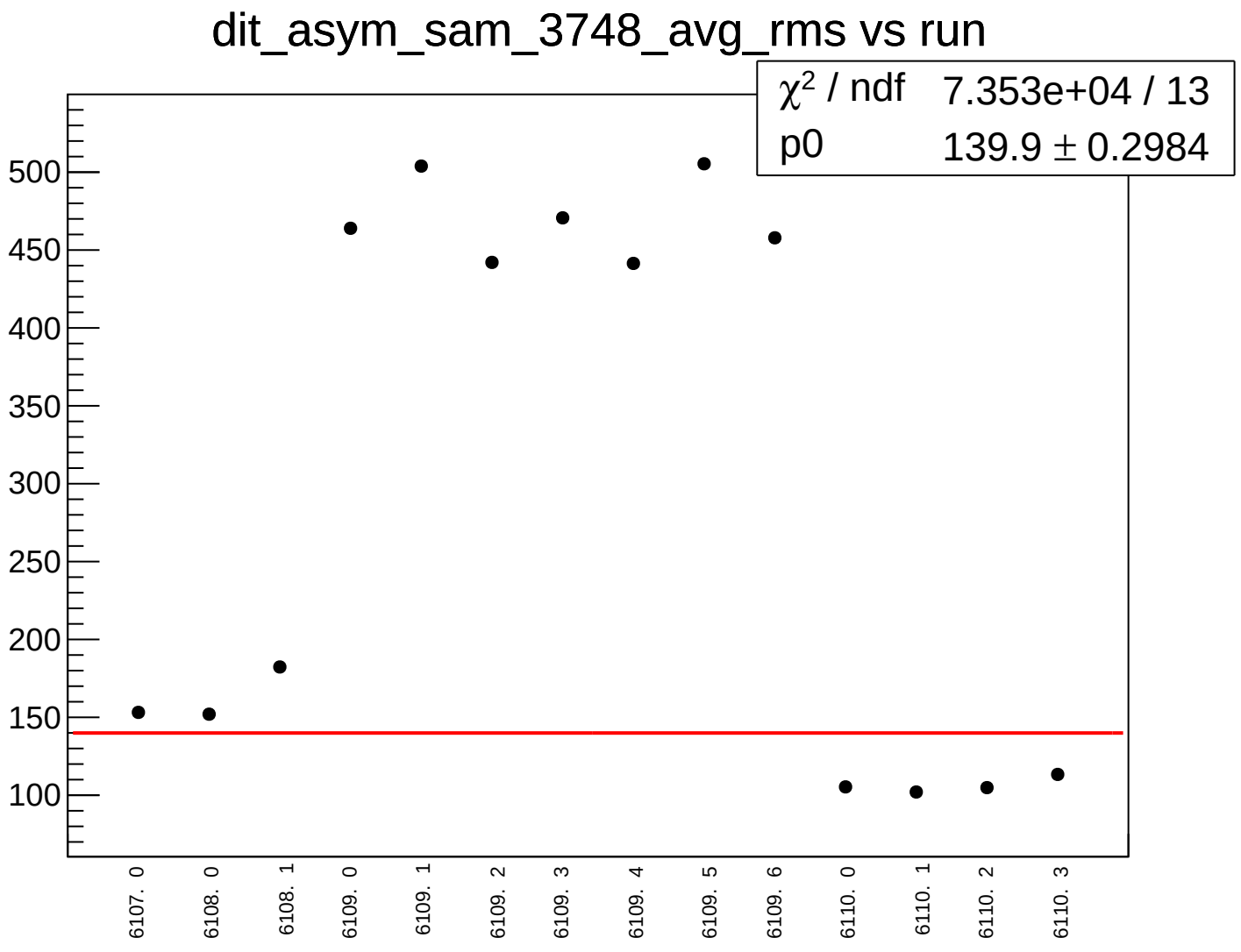

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

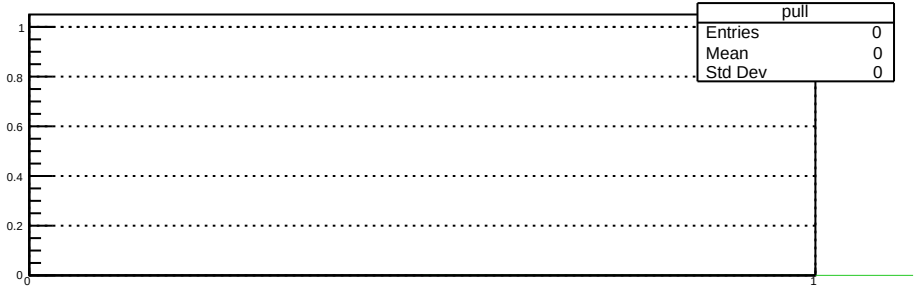

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

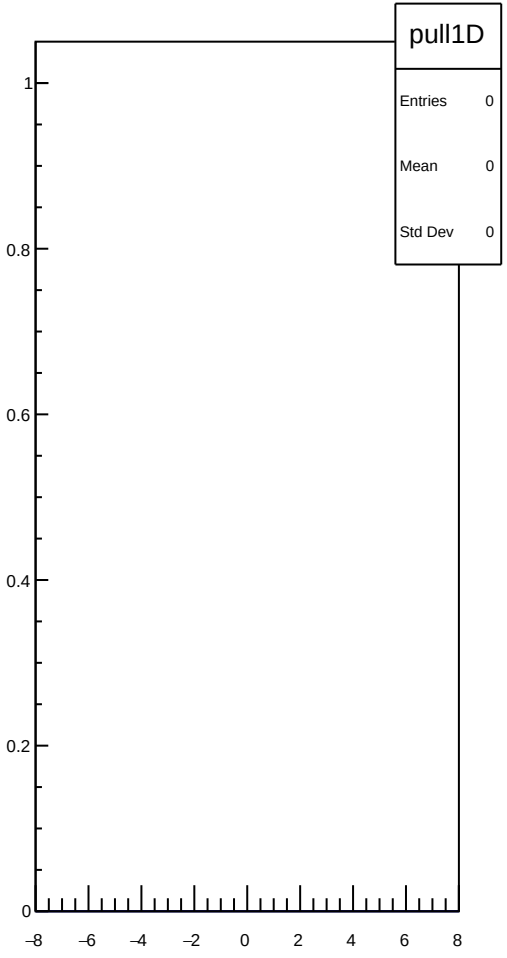

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

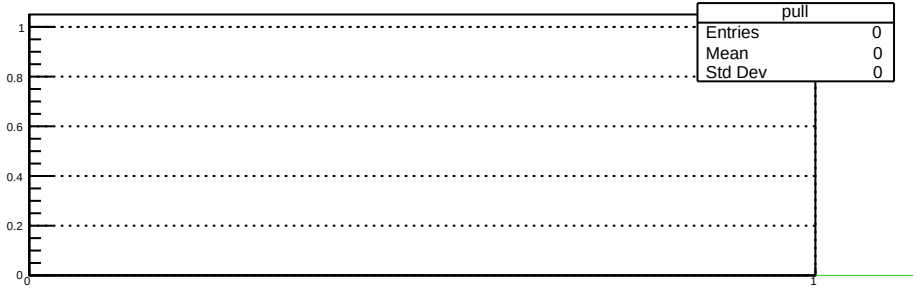

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

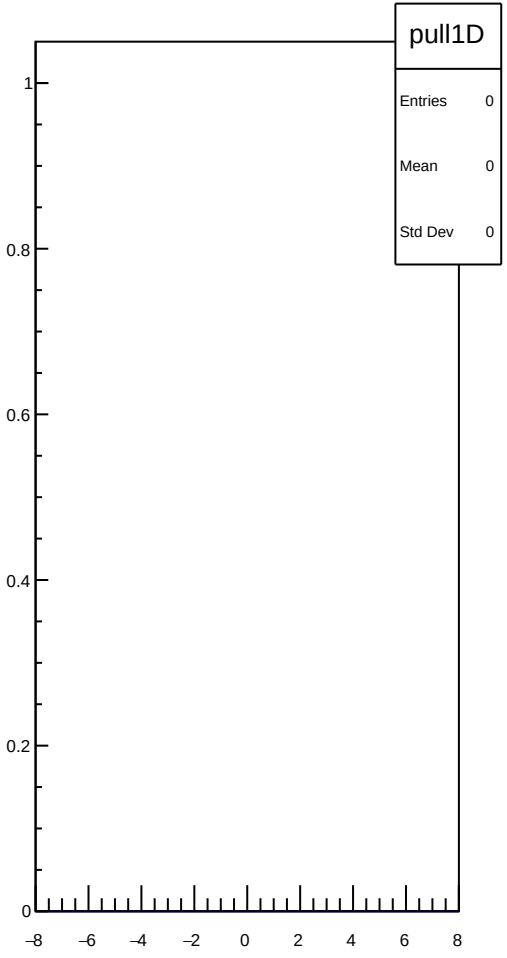

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 22.93 / 13
p0 −432.4 ± 422.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1.164
Std Dev 5.882
pull1D
Entries 14
Mean 0.2291
Std Dev 1.259

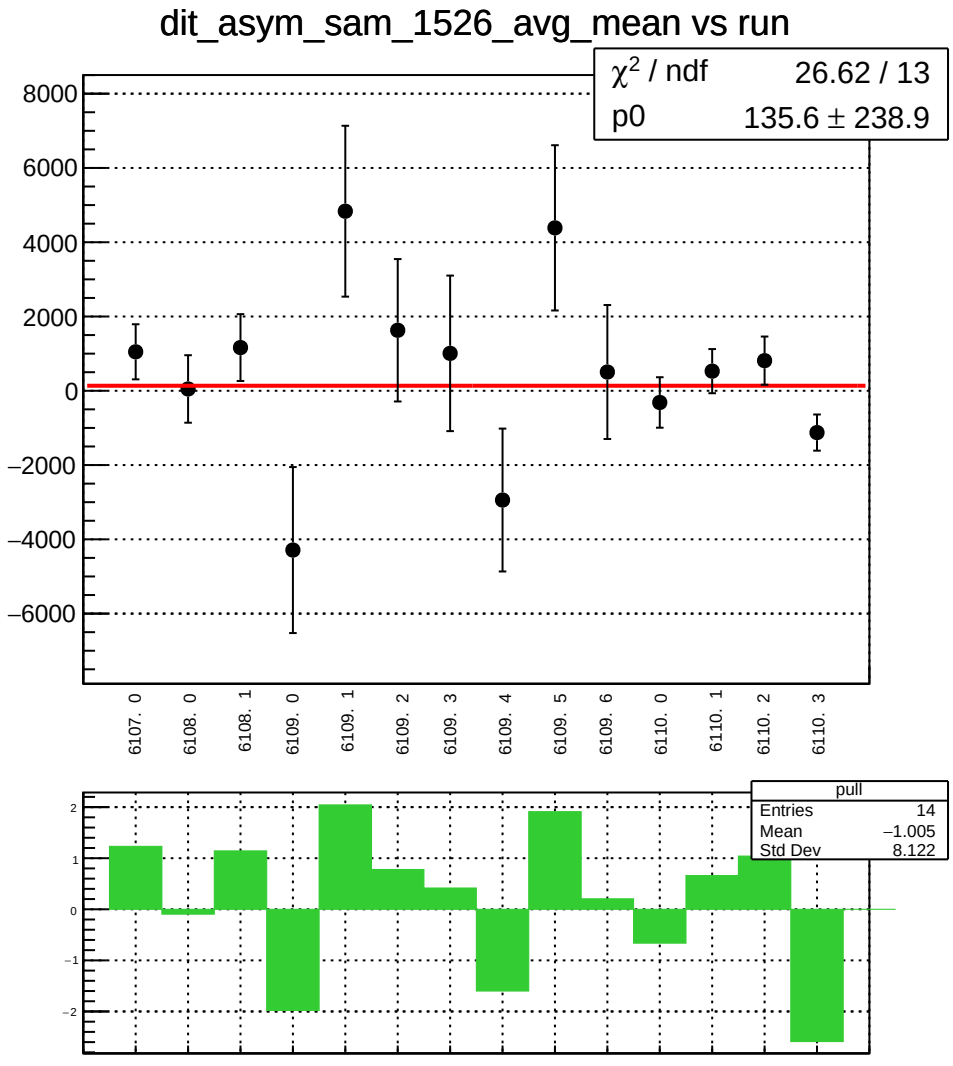

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7.353e+04 / 13
p0 139.9 ± 0.2984
500
450
400
350
300
250
200
150
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

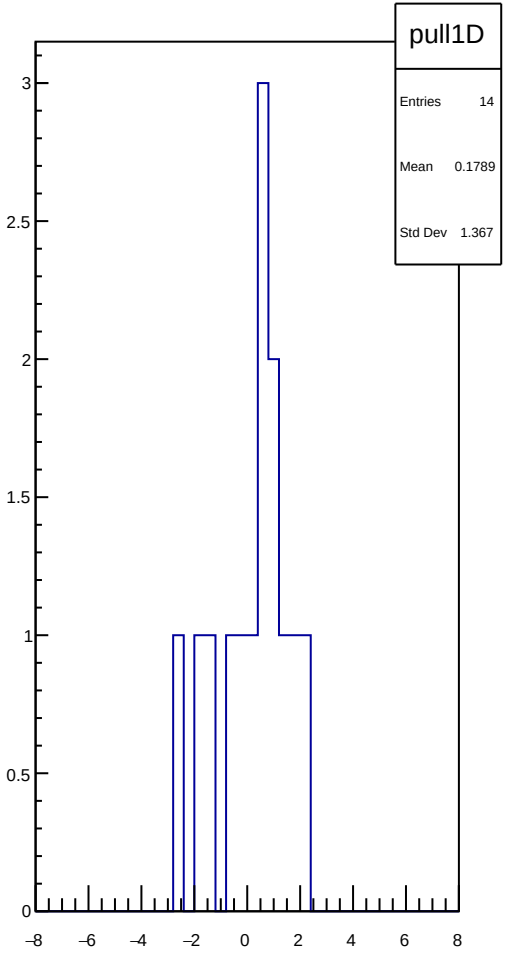

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

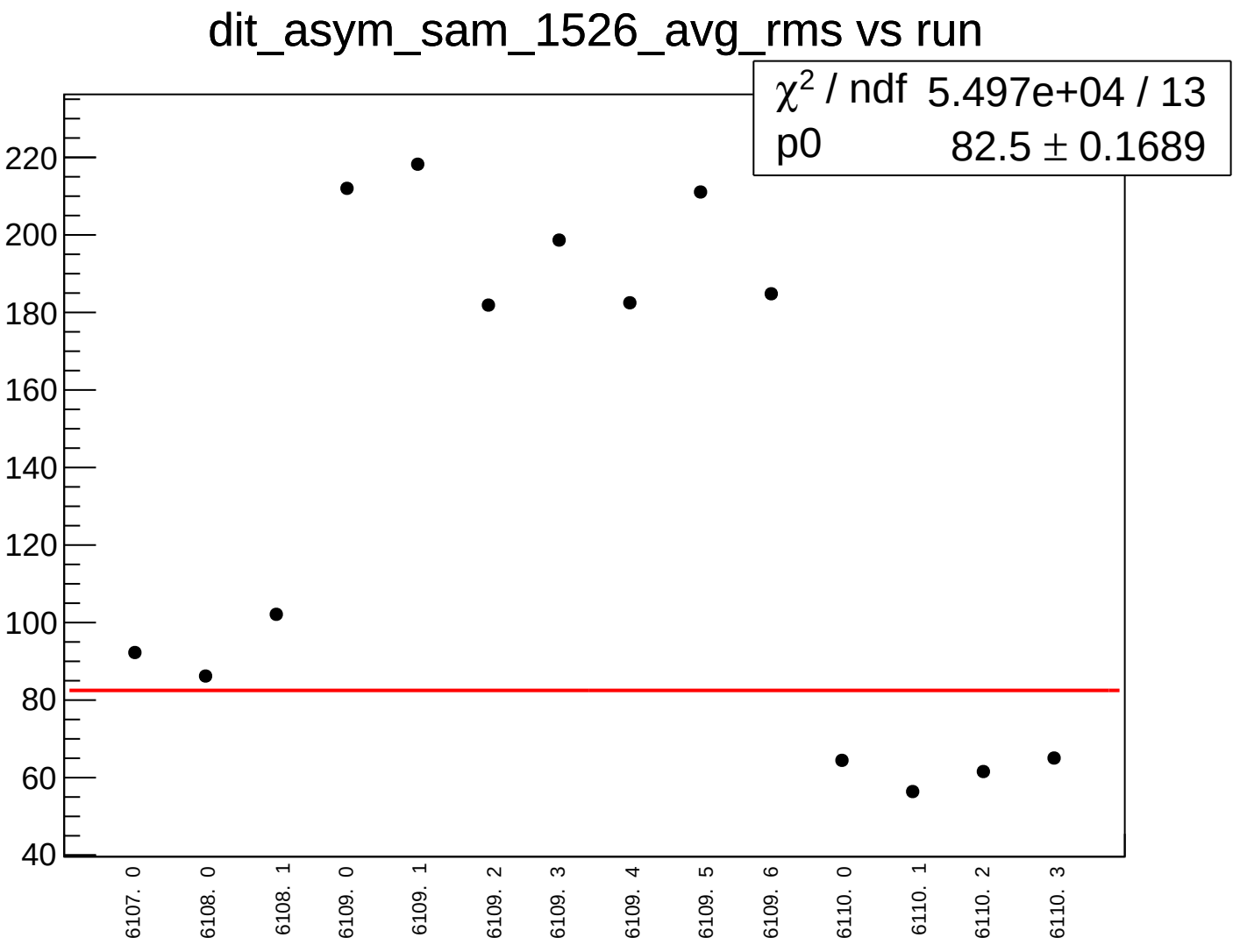

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

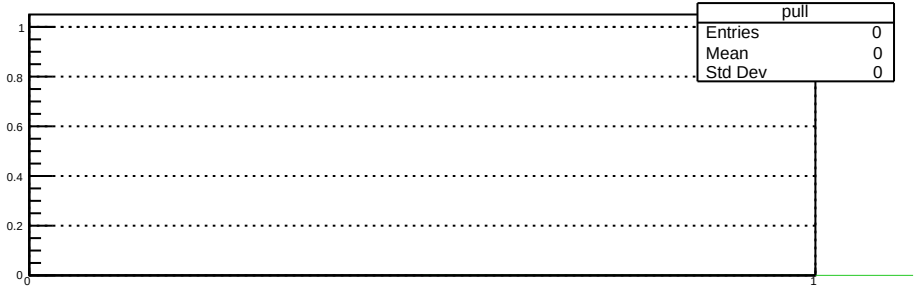

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

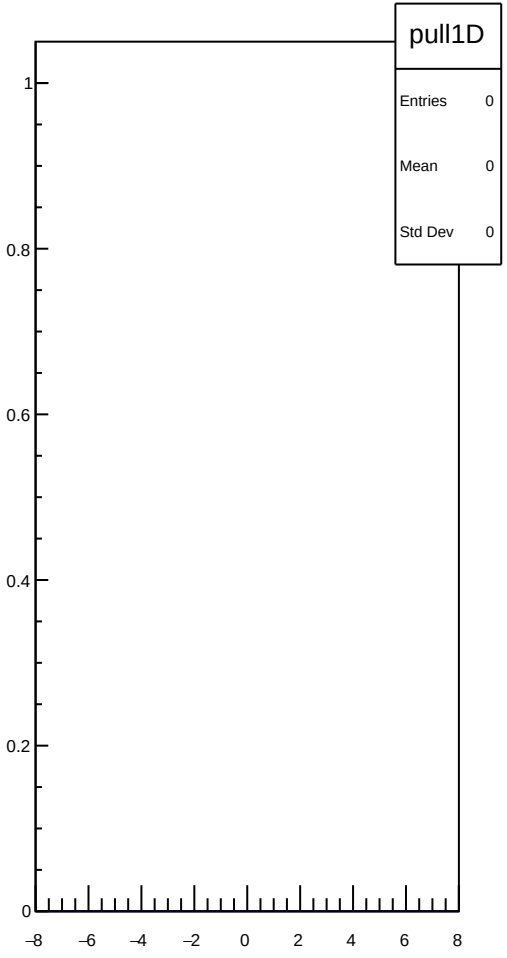

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

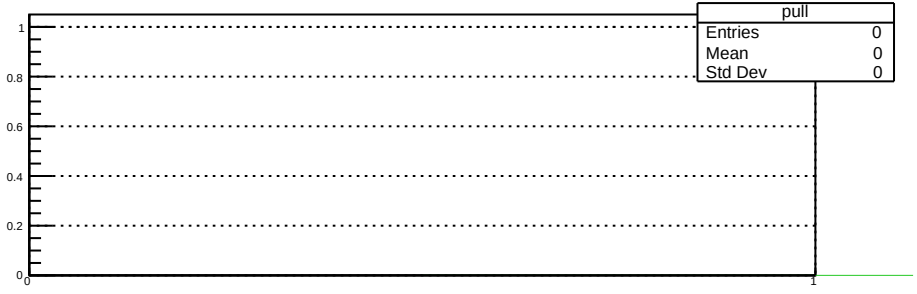

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 26.62 / 13
p0 135.6 ± 238.9
8000
6000
4000
2000
0
−2000
−4000
−6000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −1.005
Std Dev 8.122
2
1
0
−1
−2

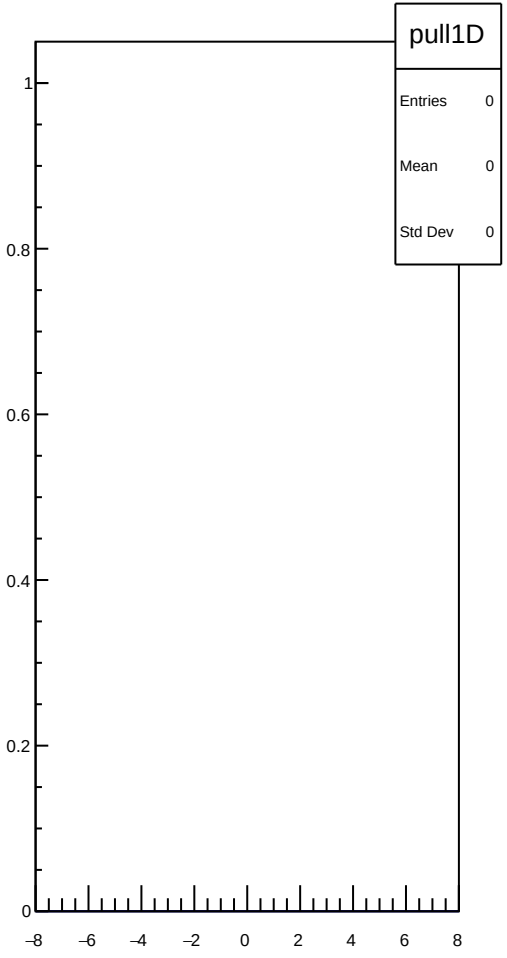

pull1D
Entries 14
Mean 0.1789
Std Dev 1.367
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

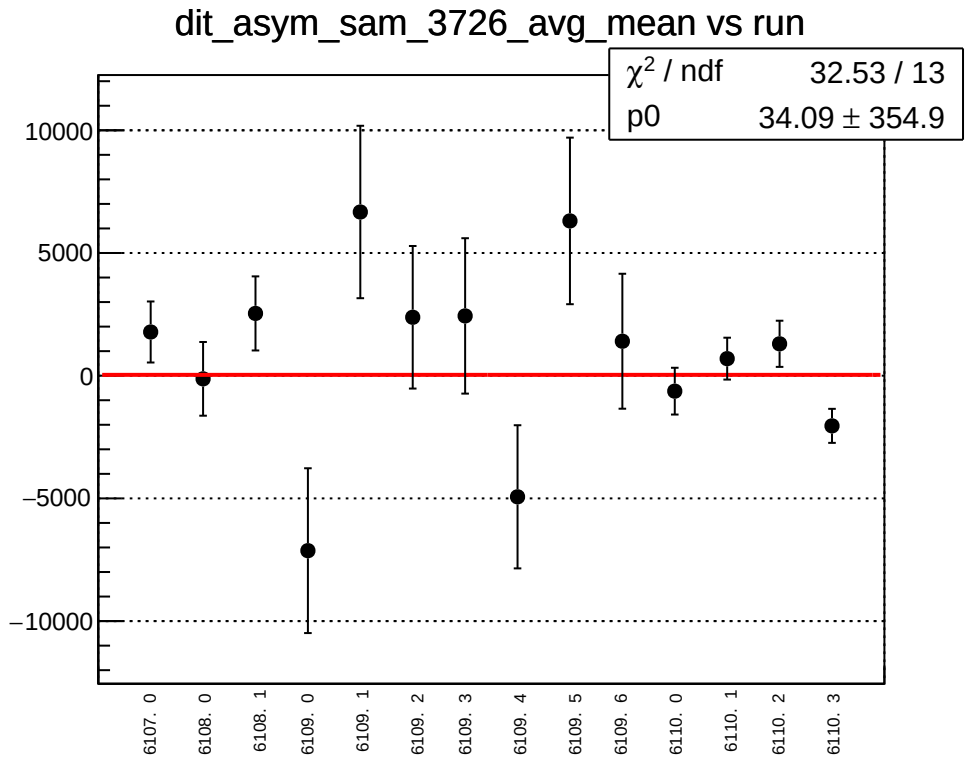

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 5.497e+04 / 13
p0 82.5 ± 0.1689
220
200
180
160
140
120
100
80
60
40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

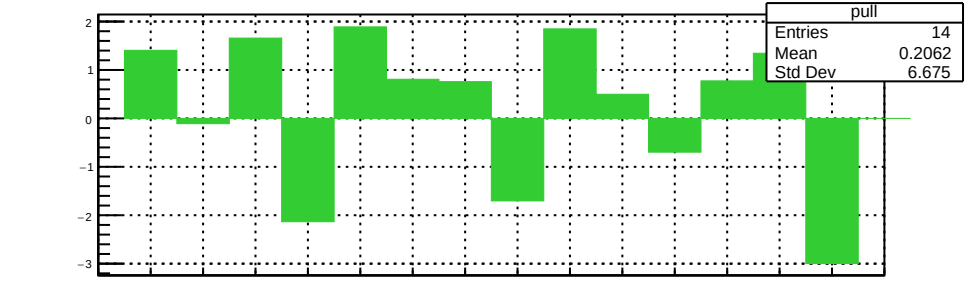

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

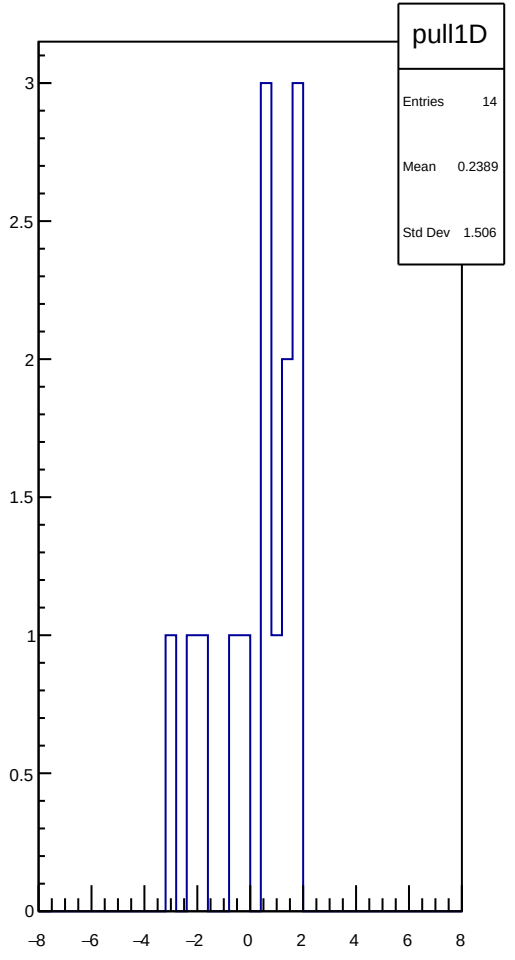

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

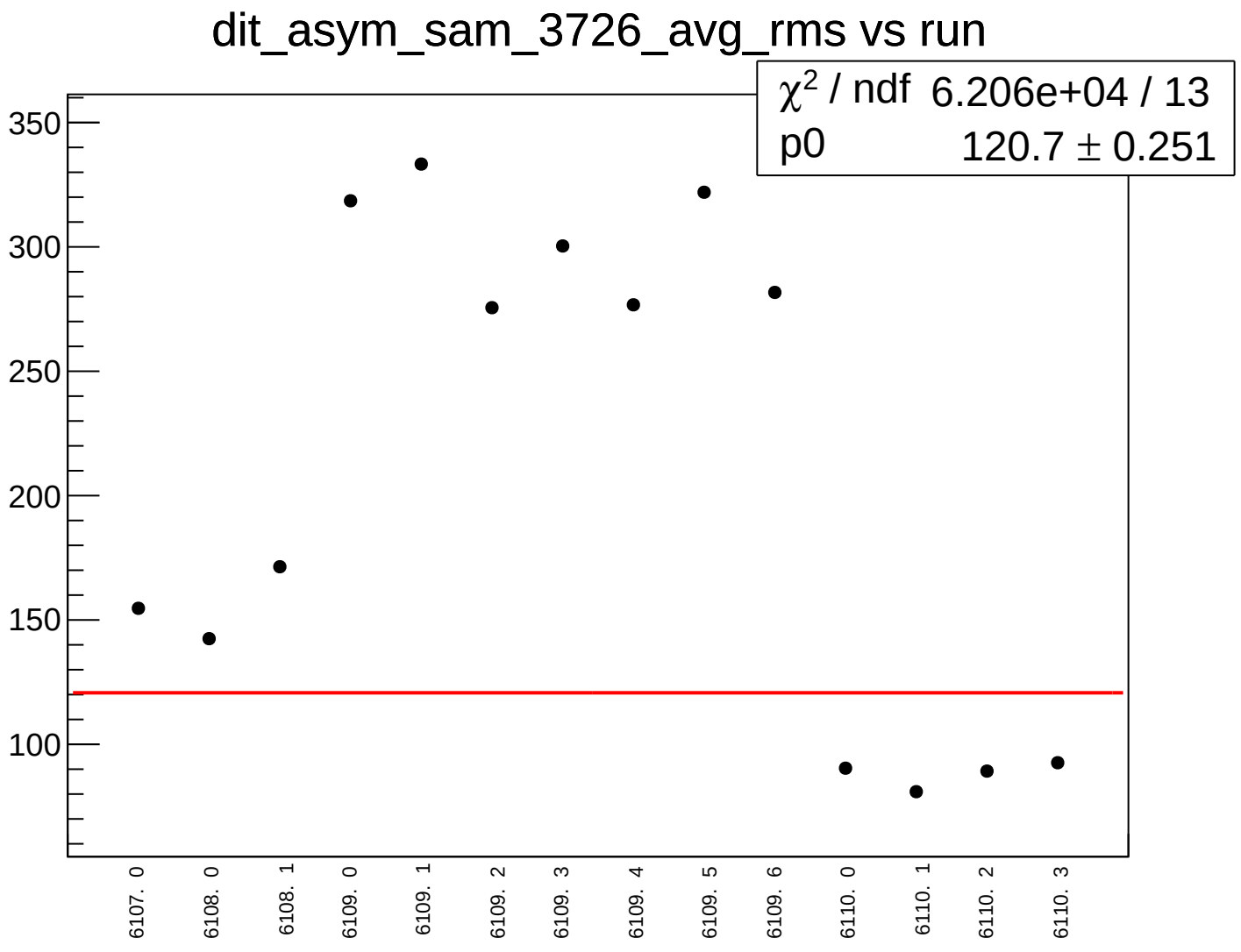

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

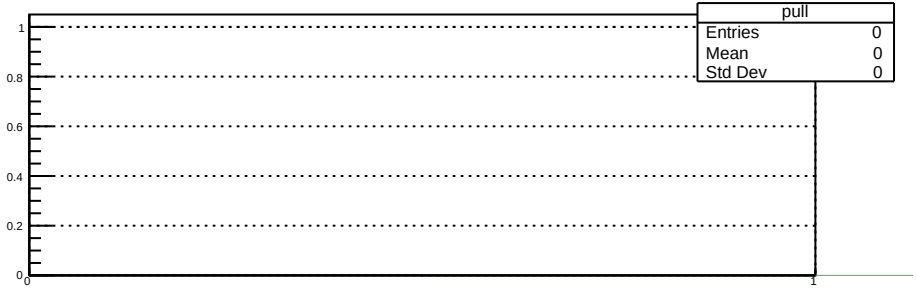

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

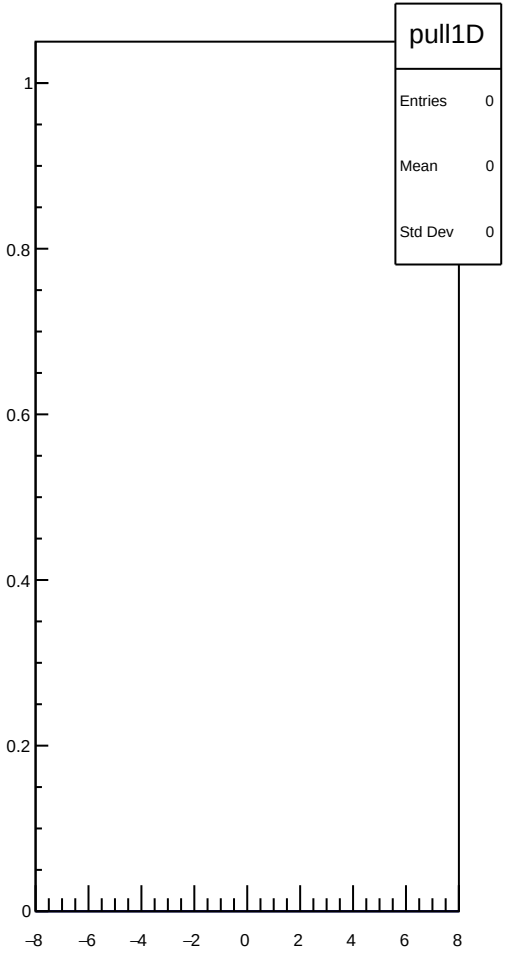

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 32.53 / 13
p0 34.09 ± 354.9
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

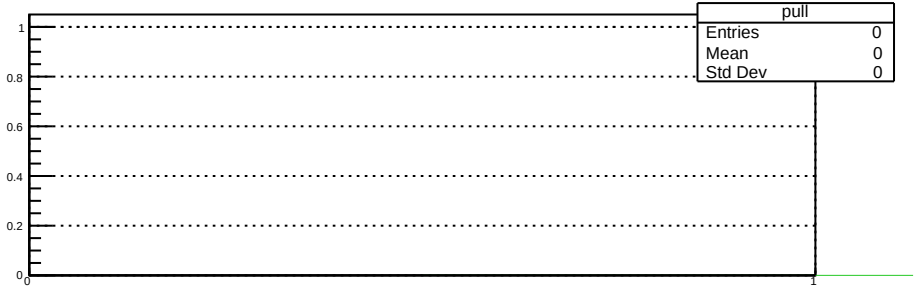

pull
Entries 14
Mean 0.2062
Std Dev 6.675

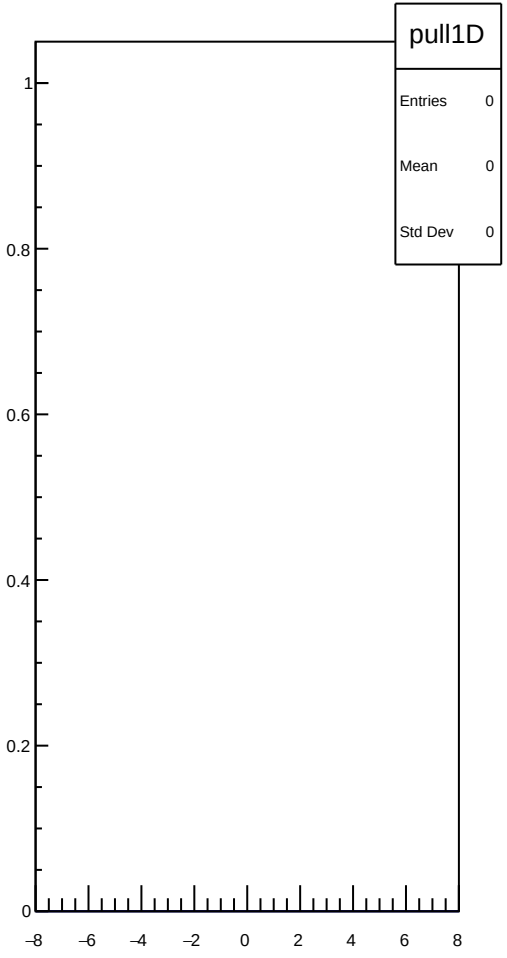

pull1D
Entries 14
Mean 0.2389
Std Dev 1.506
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

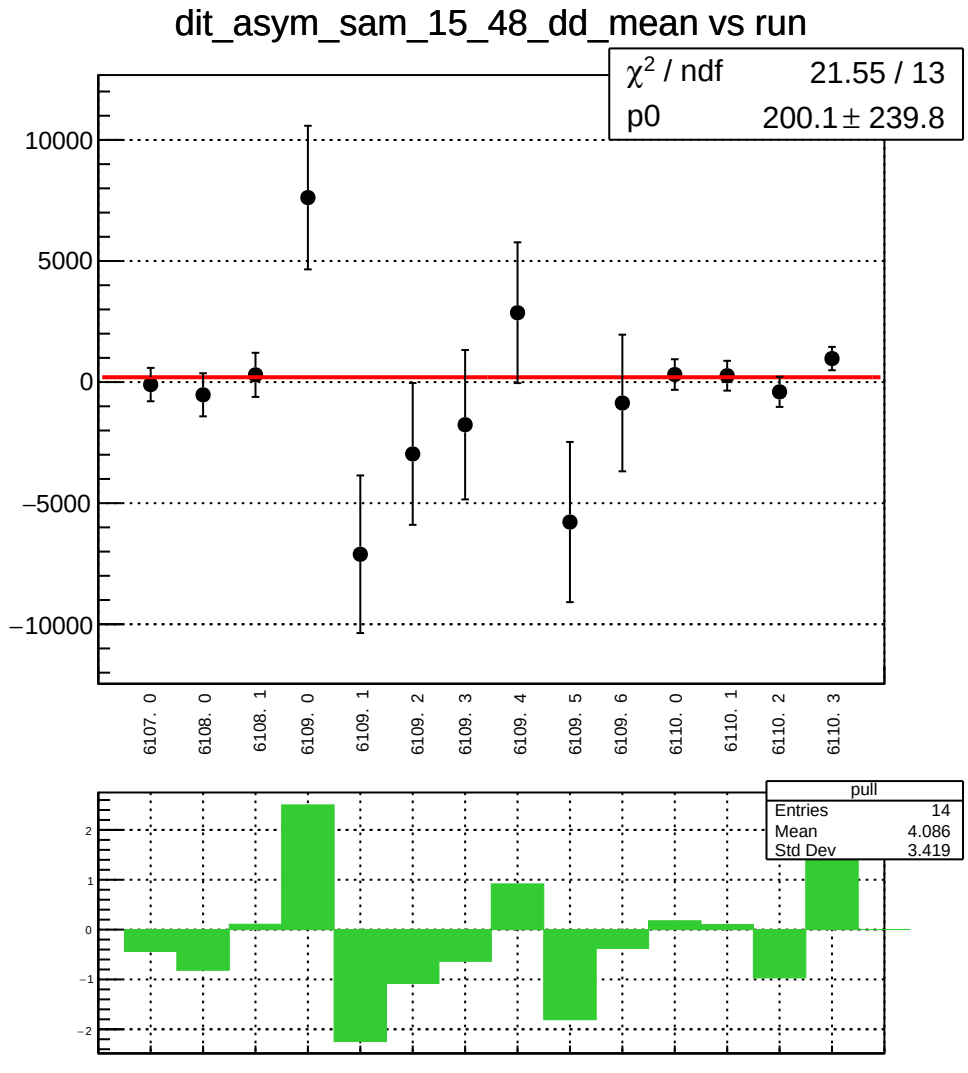

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 6.206e+04 / 13
p0 120.7 ± 0.251
350
300
250
200
150
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

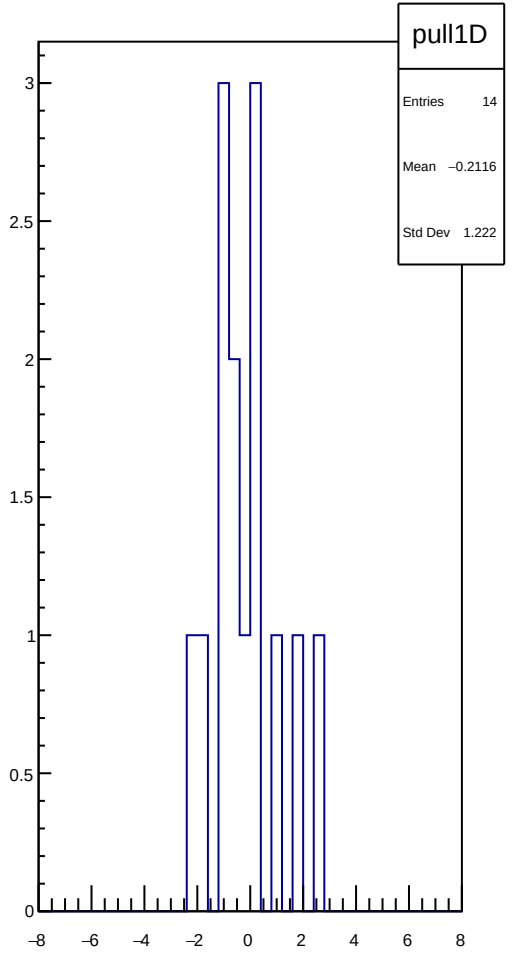

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

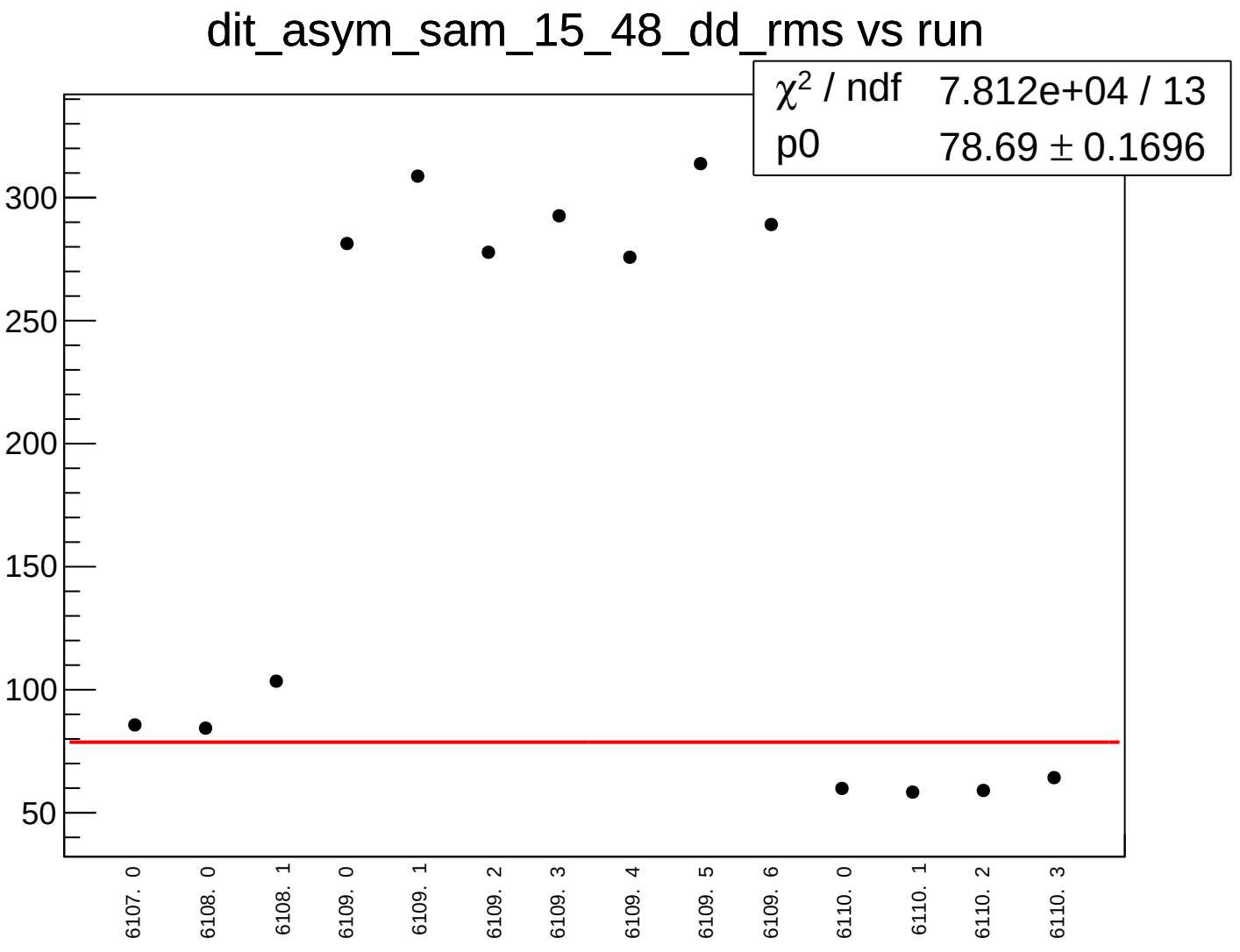

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

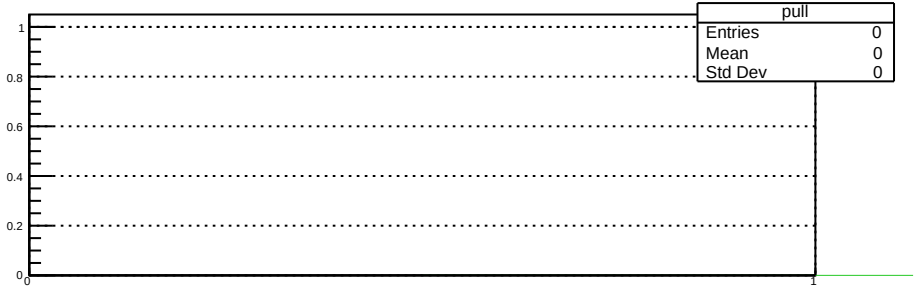

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

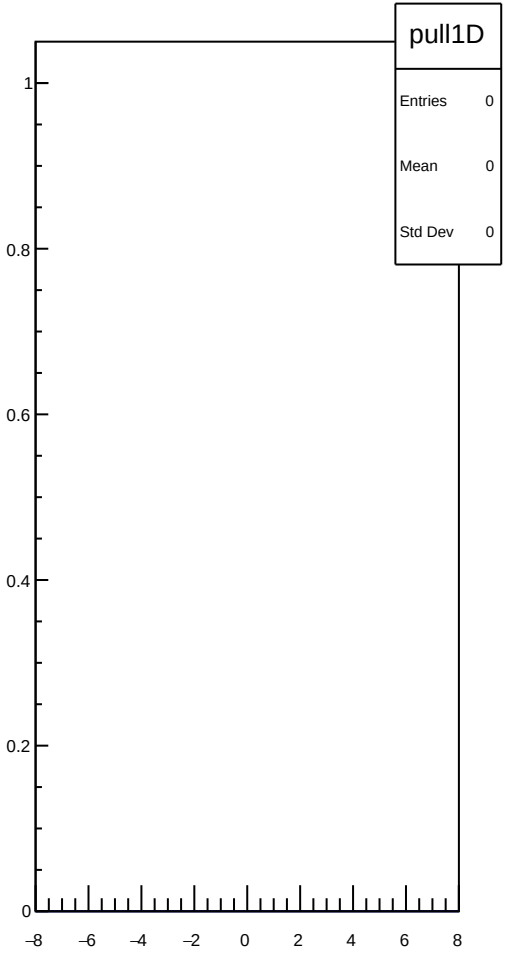

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

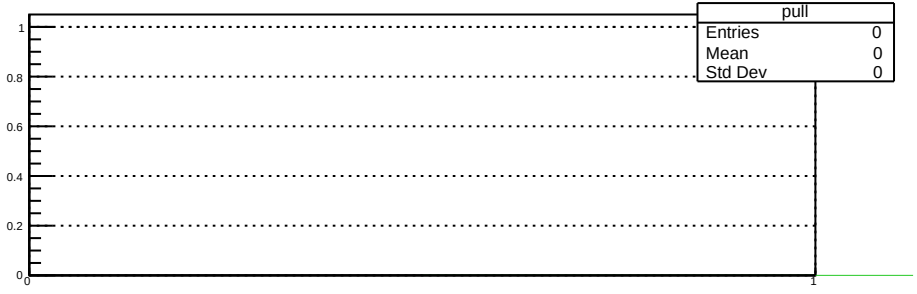

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 21.55 / 13
p0 200.1 ± 239.8
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 4.086
Std Dev 3.419
2
1
0
−1
−2

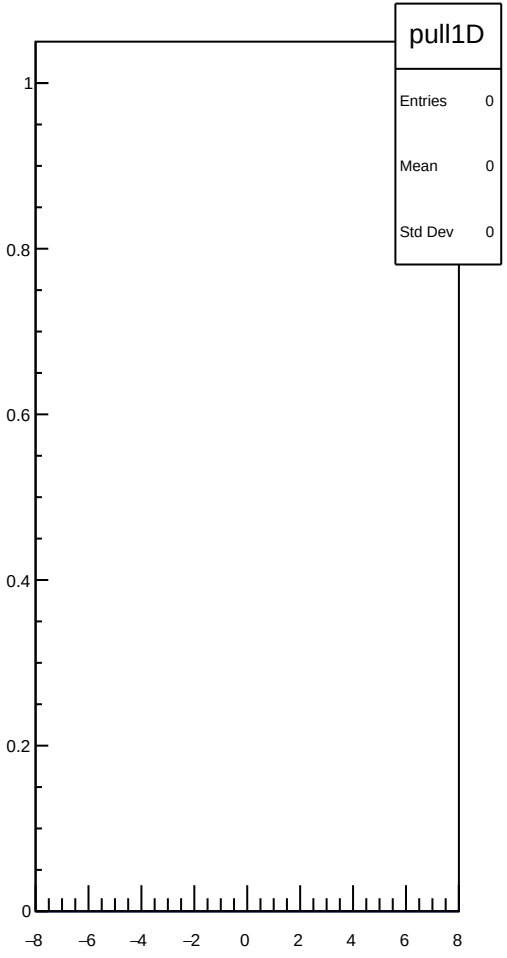

pull1D
Entries 14
Mean −0.2116
Std Dev 1.222
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

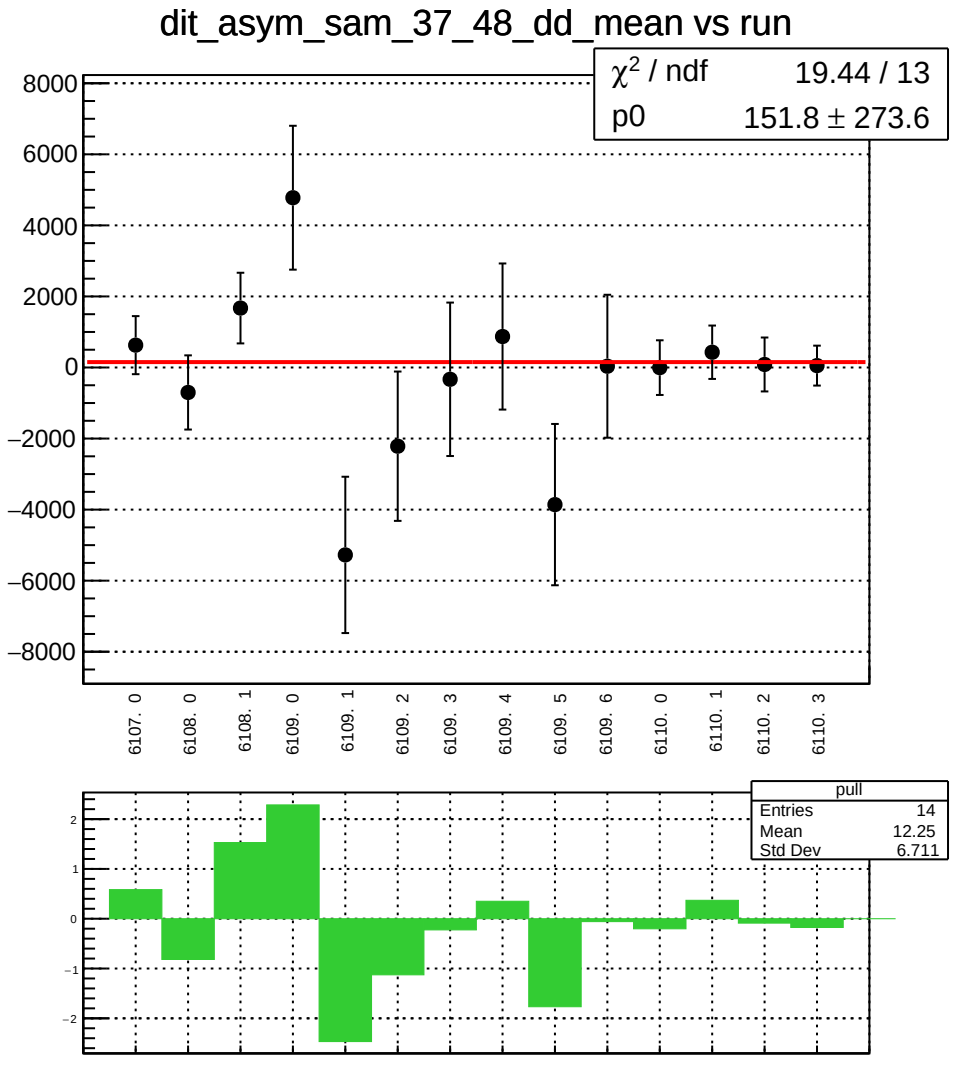

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 7.812e+04 / 13
p0 78.69 ± 0.1696
300
250
200
150
100
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

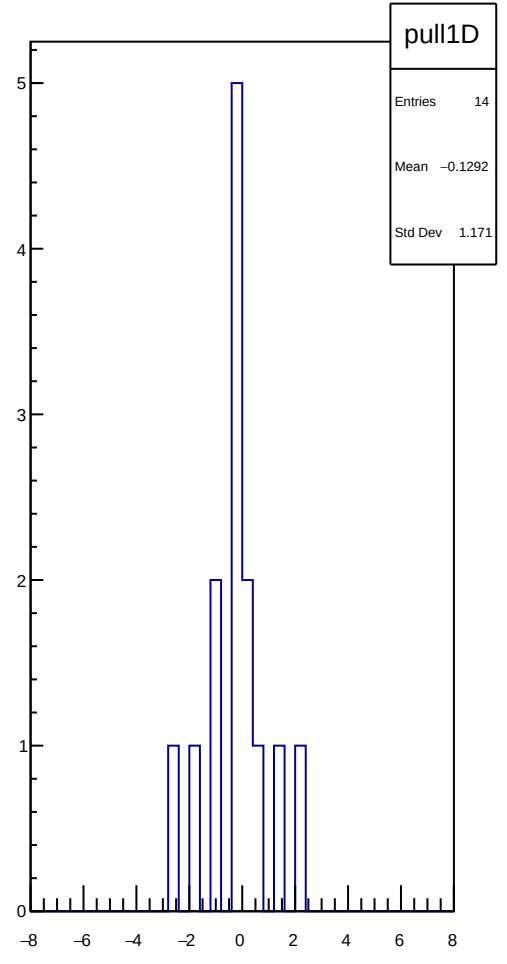

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

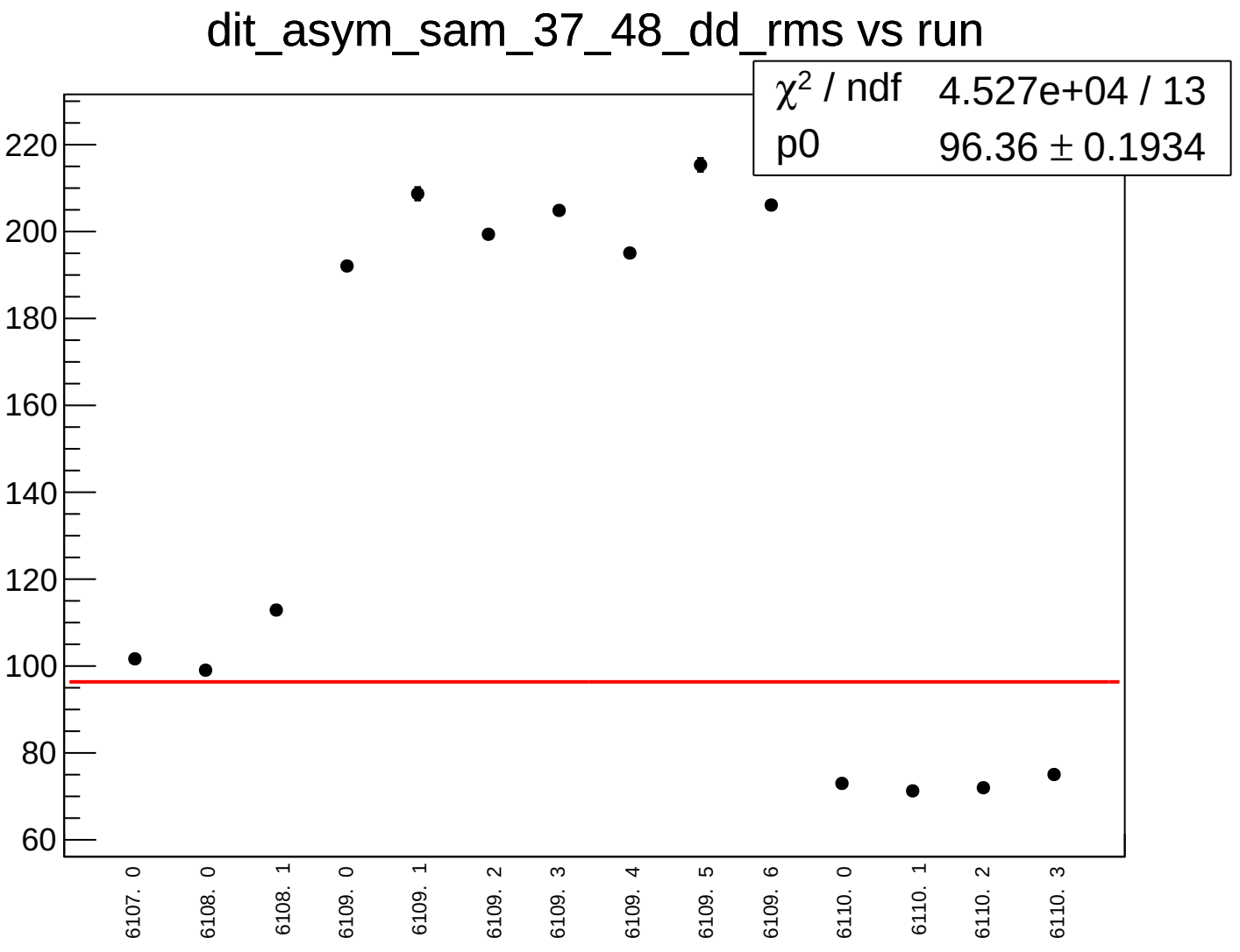

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

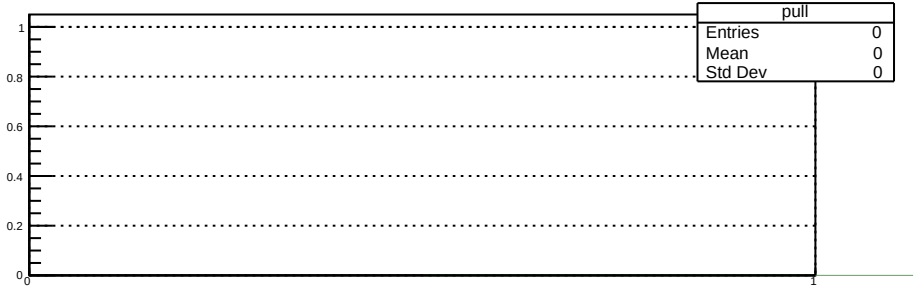

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

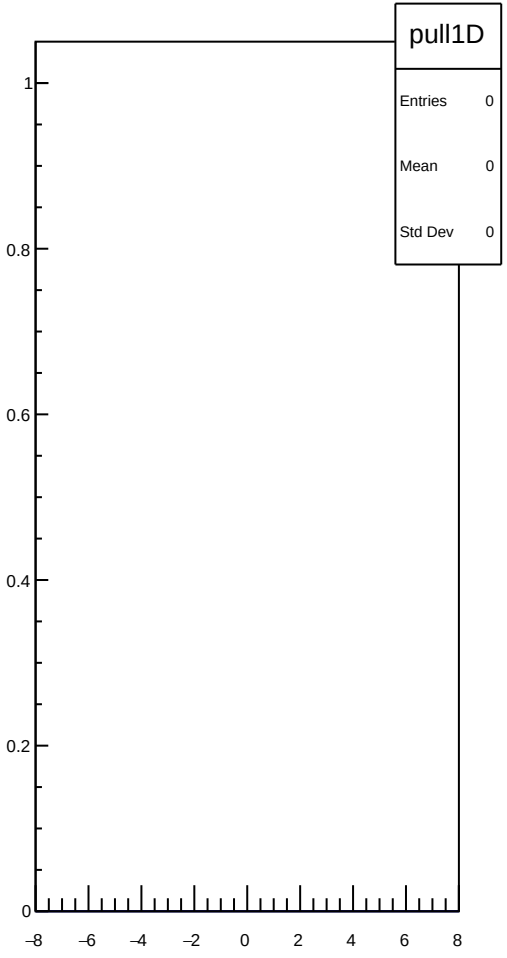

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

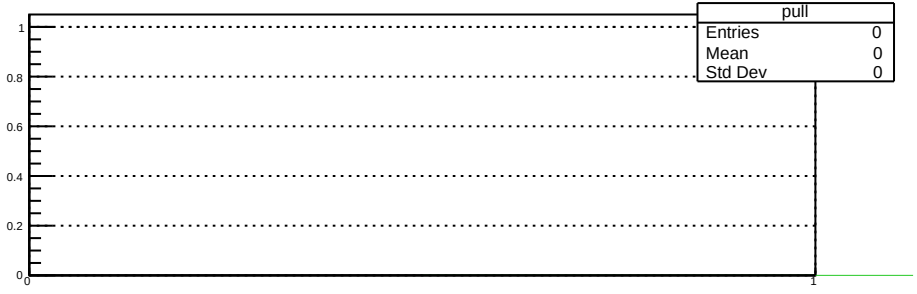

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 19.44 / 13
p0 151.8 ± 273.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 12.25
Std Dev 6.711
2
1
0
−1
−2

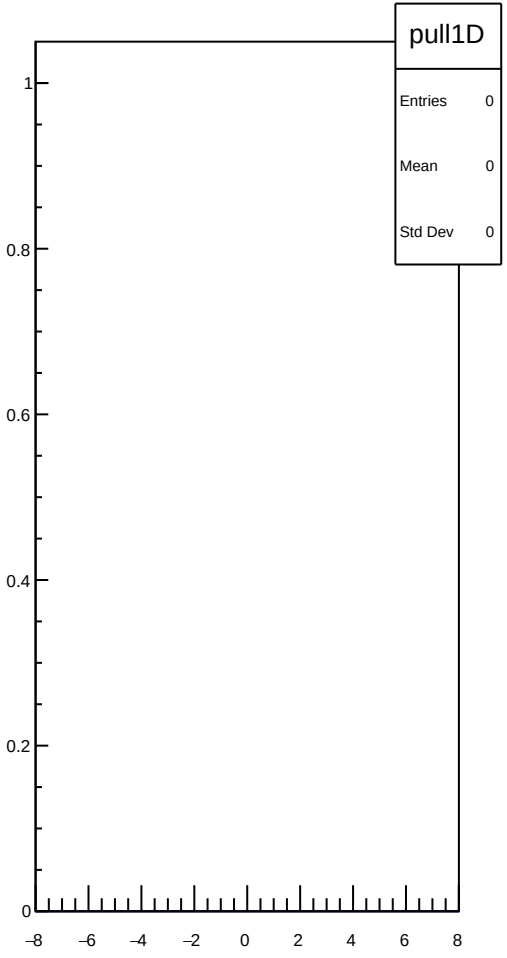

pull1D
Entries 14
Mean −0.1292
Std Dev 1.171
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

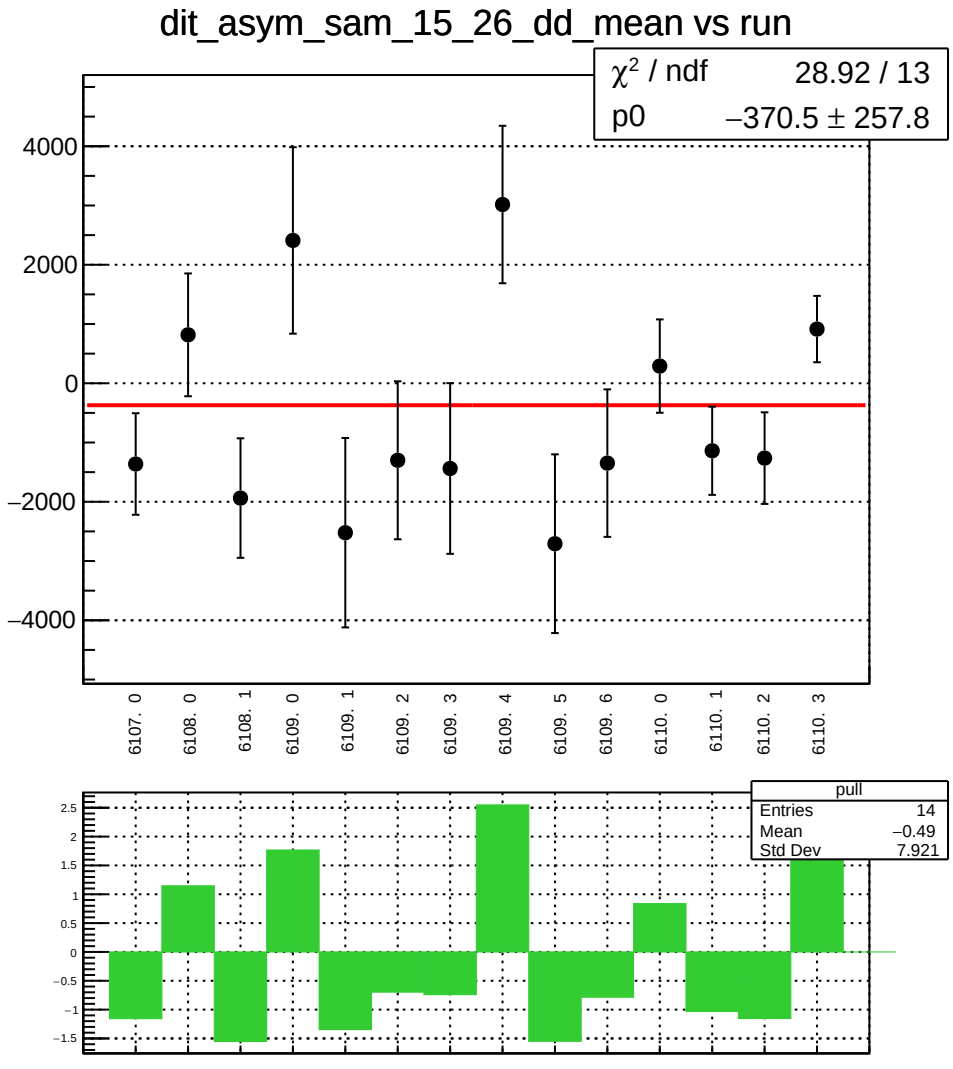

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 4.527e+04 / 13
p0 96.36 ± 0.1934
220
200
180
160
140
120
100
80
60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

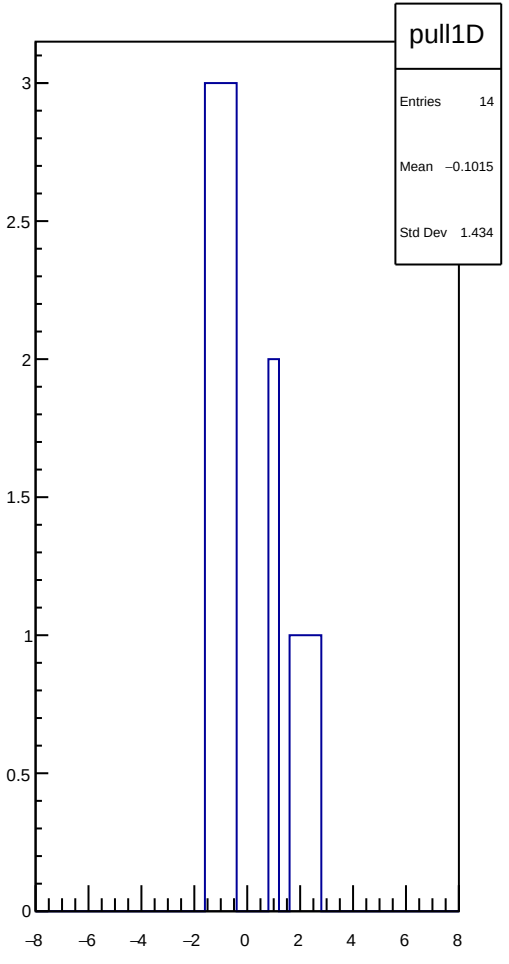

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

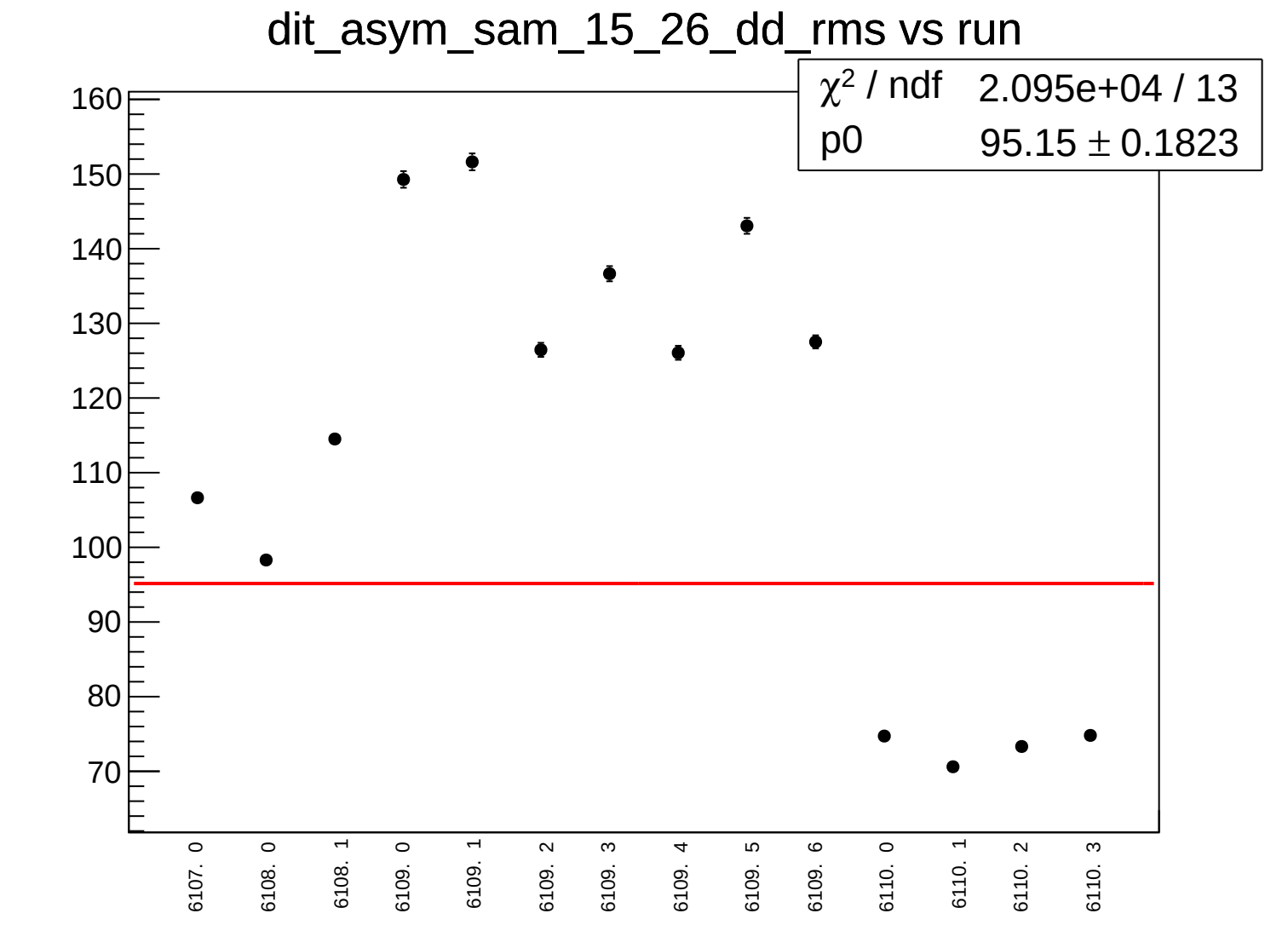

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

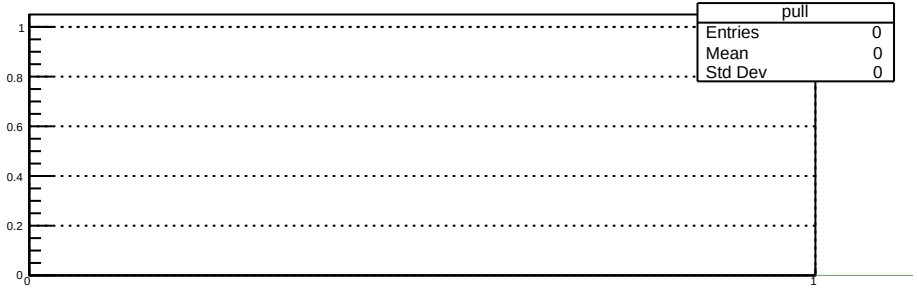

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

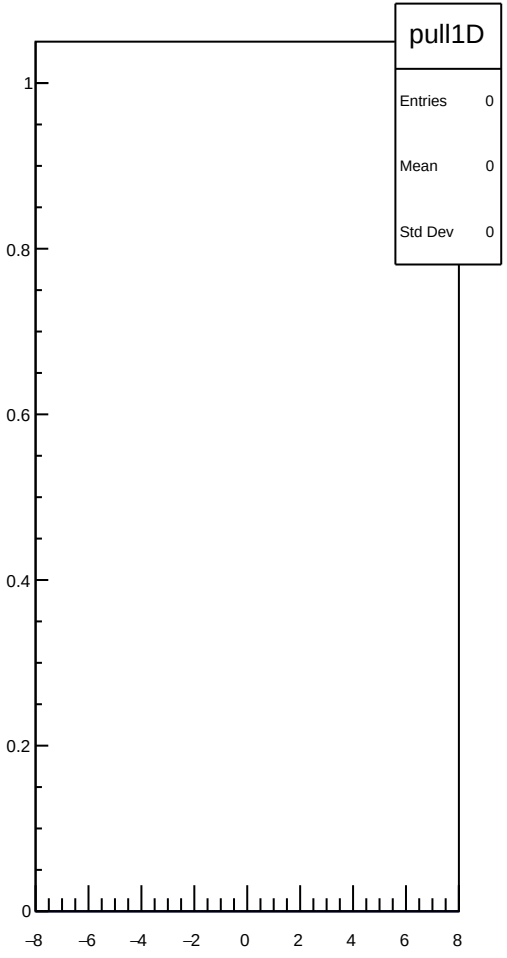

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

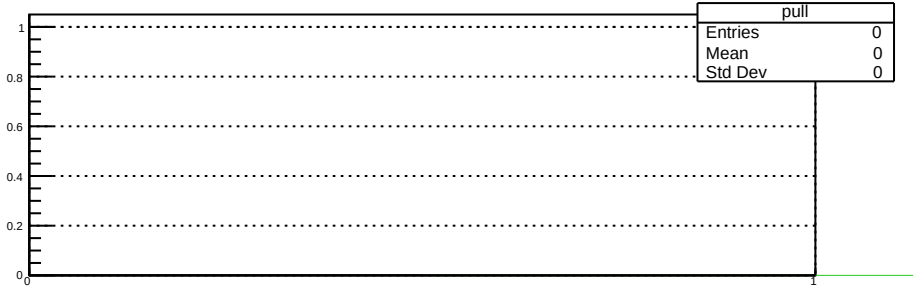

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 28.92 / 13
p0 −370.5 ± 257.8
4000
2000
0
−2000
−4000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.49
Std Dev 7.921
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

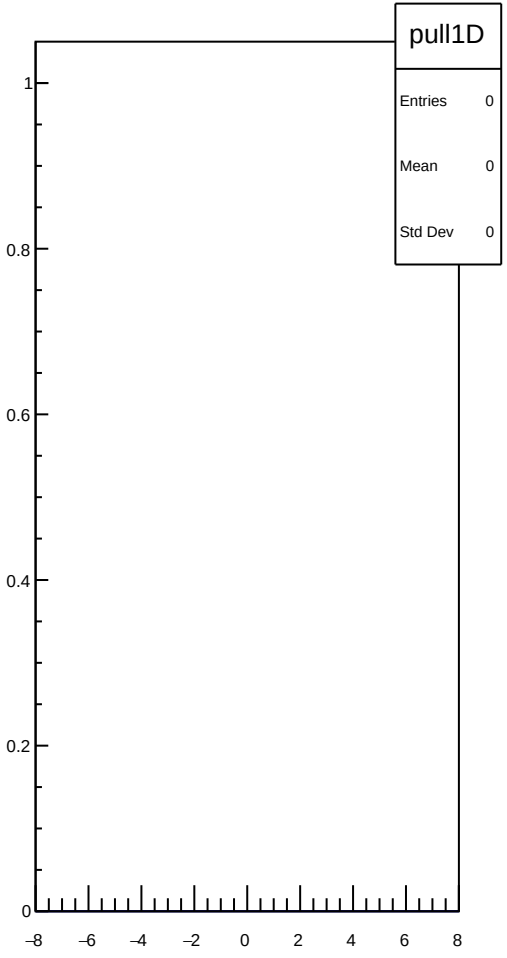

pull1D
Entries 14
Mean −0.1015
Std Dev 1.434
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

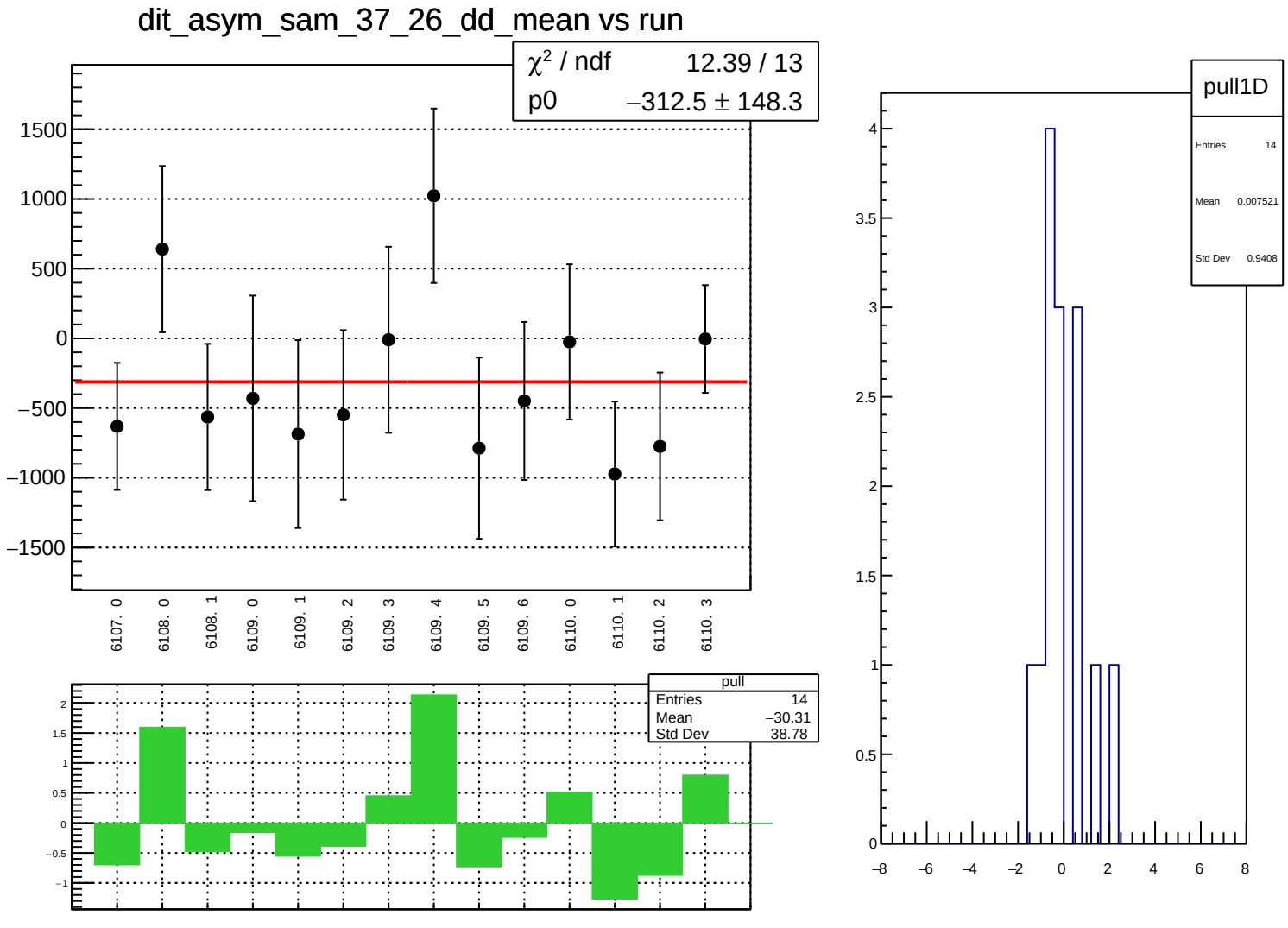

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.095e+04 / 13
p0 95.15 ± 0.1823
160
150
140
130
120
110
100
90
80
70
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

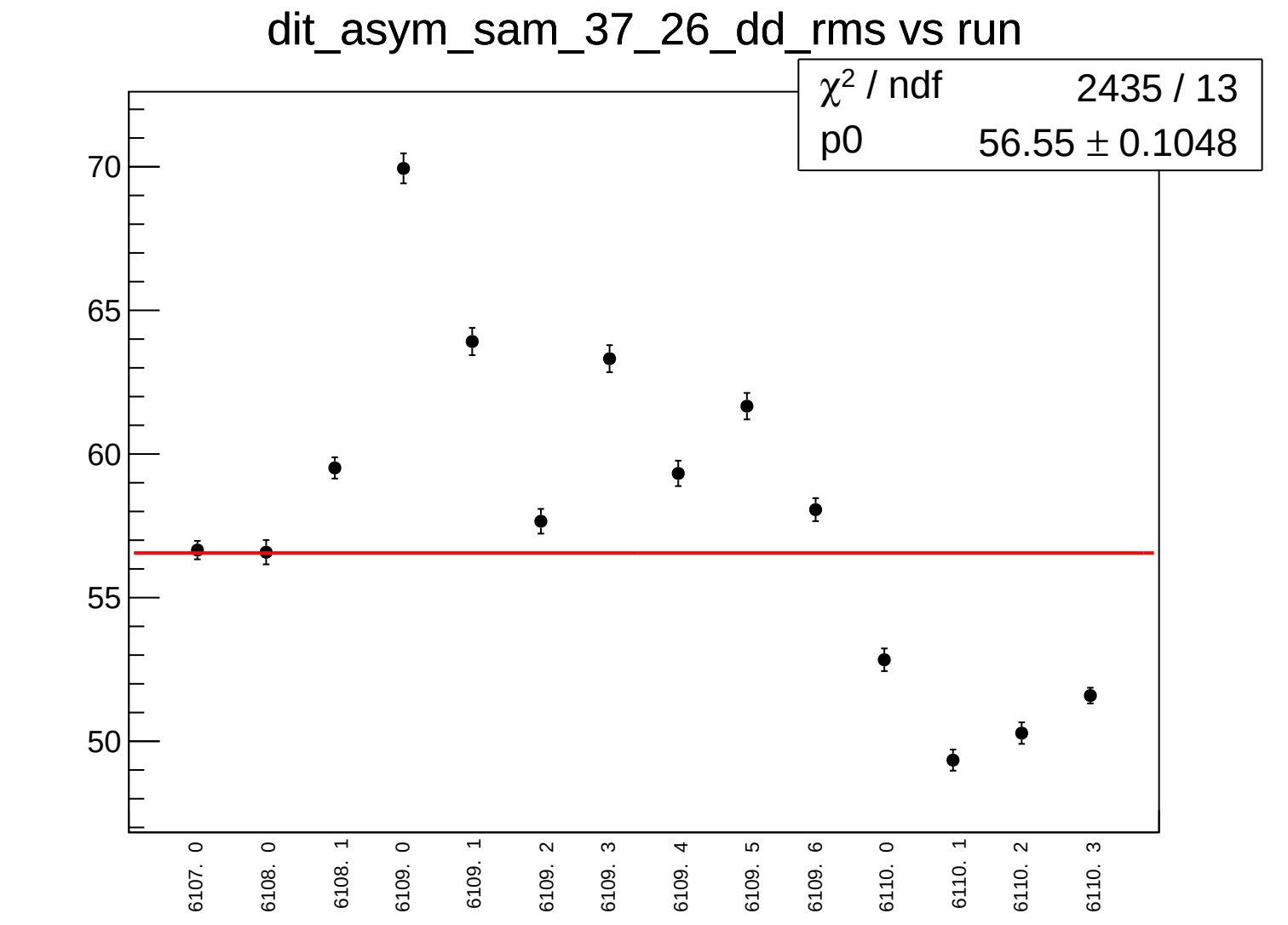

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

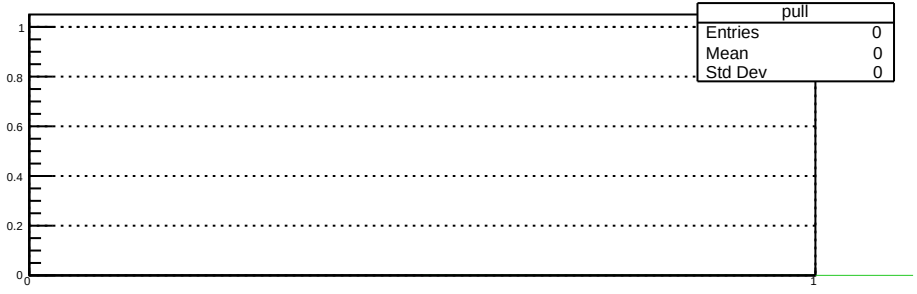

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

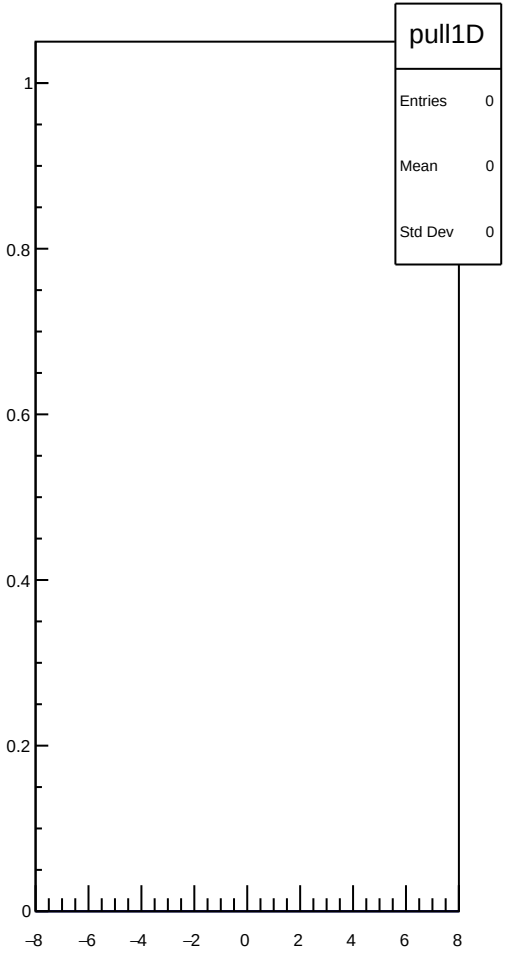

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

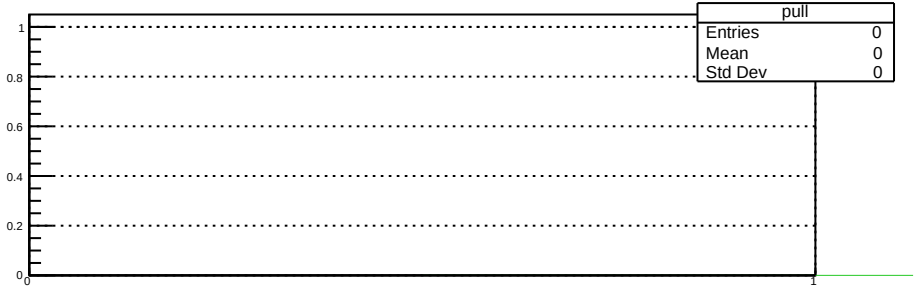

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

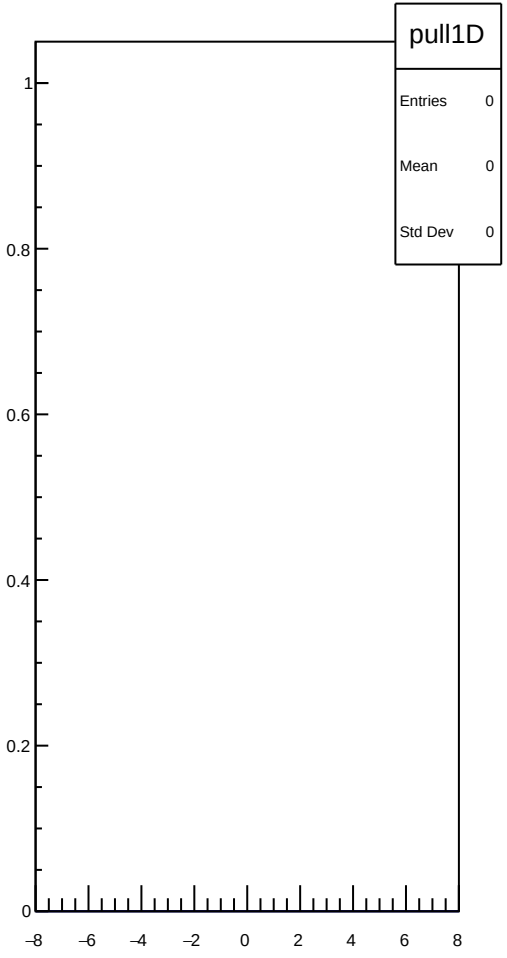

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 12.39 / 13
p0 −312.5 ± 148.3
1500
1000
500
0
−500
−1000
−1500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −30.31
Std Dev 38.78
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean 0.007521
Std Dev 0.9408
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

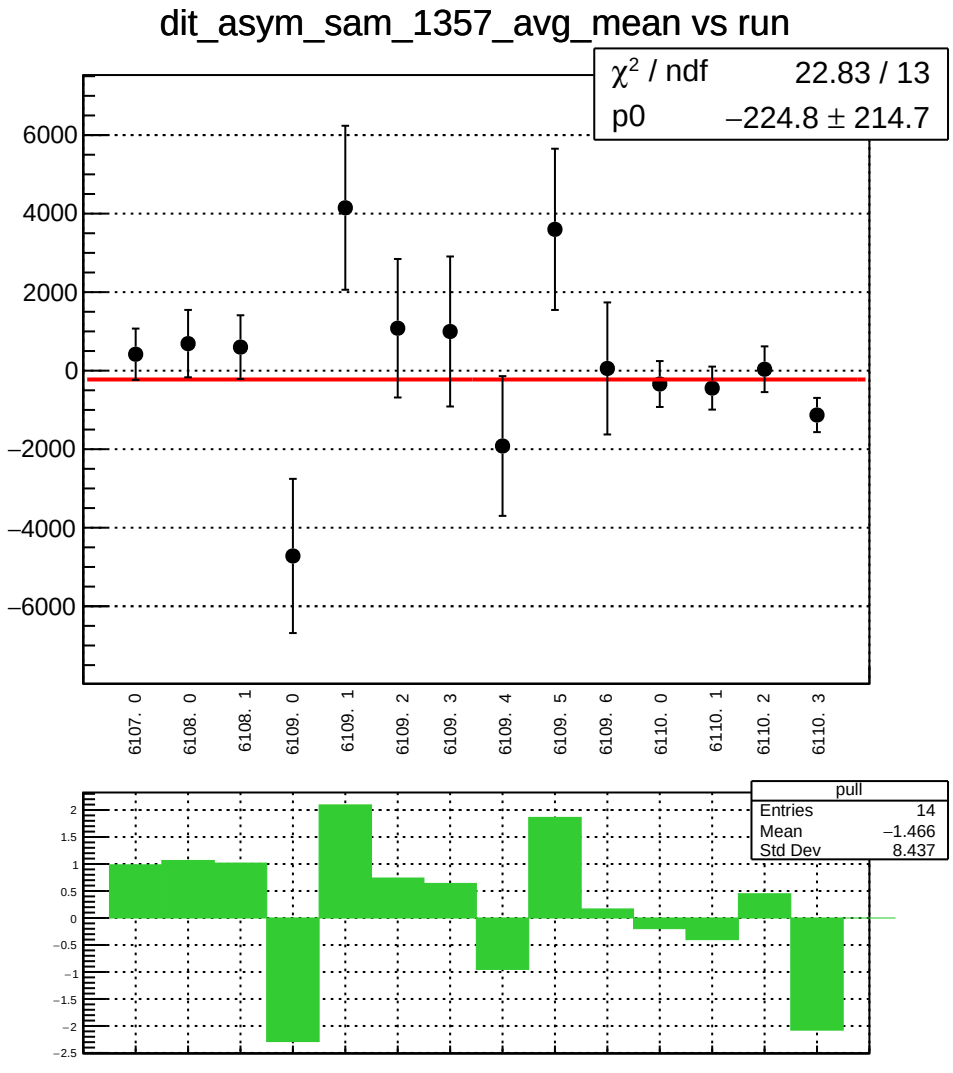

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2435 / 13
p0 56.55 ± 0.1048
70
65
60
55
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

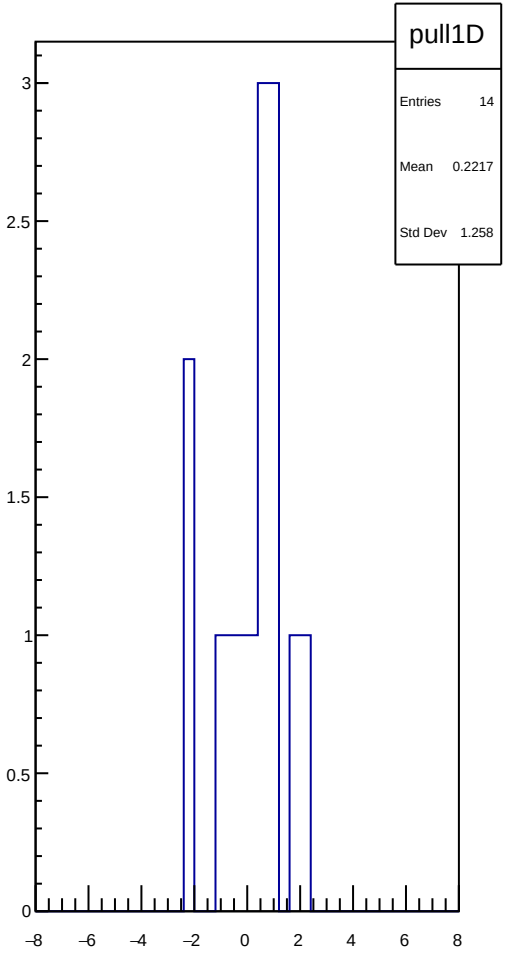

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

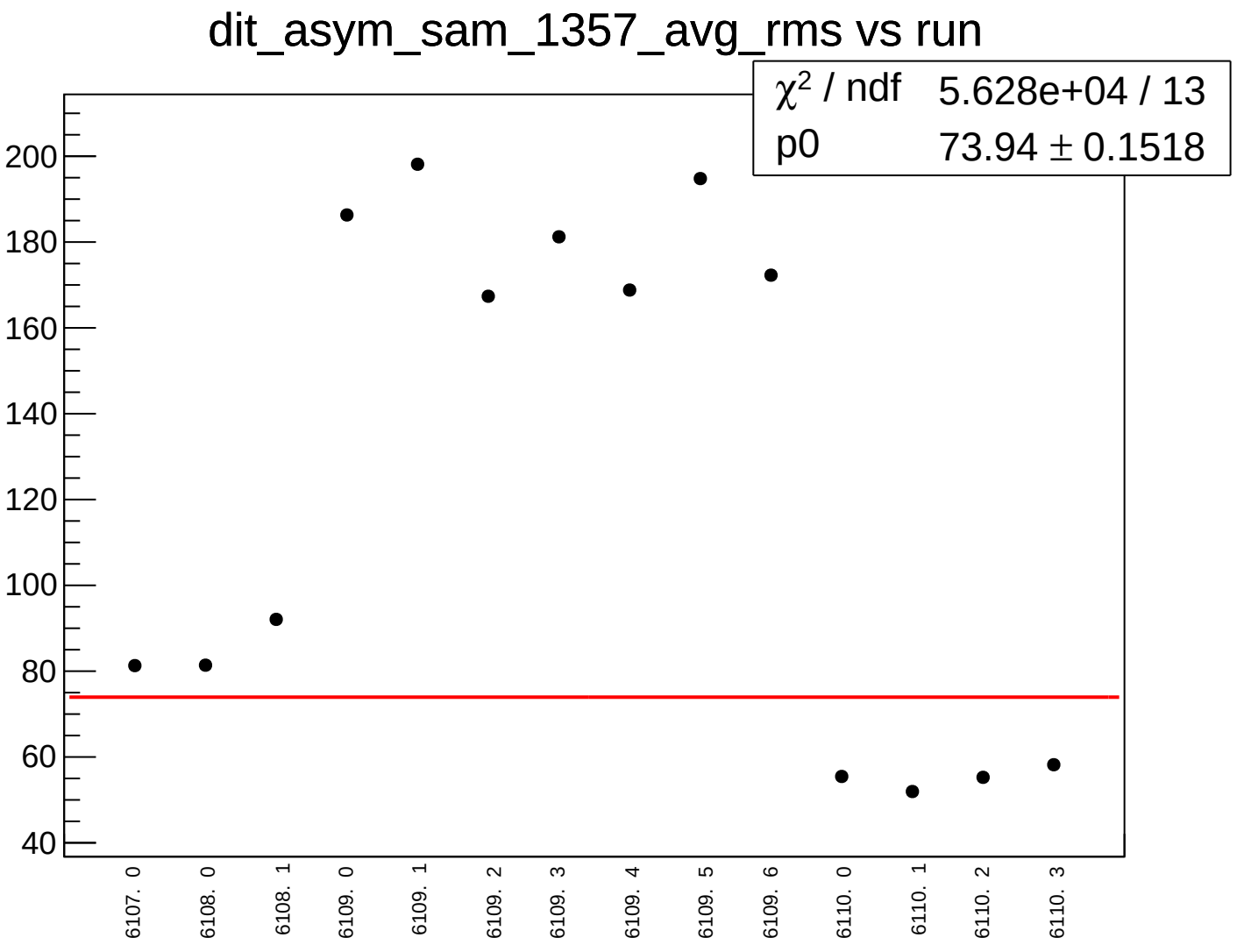

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

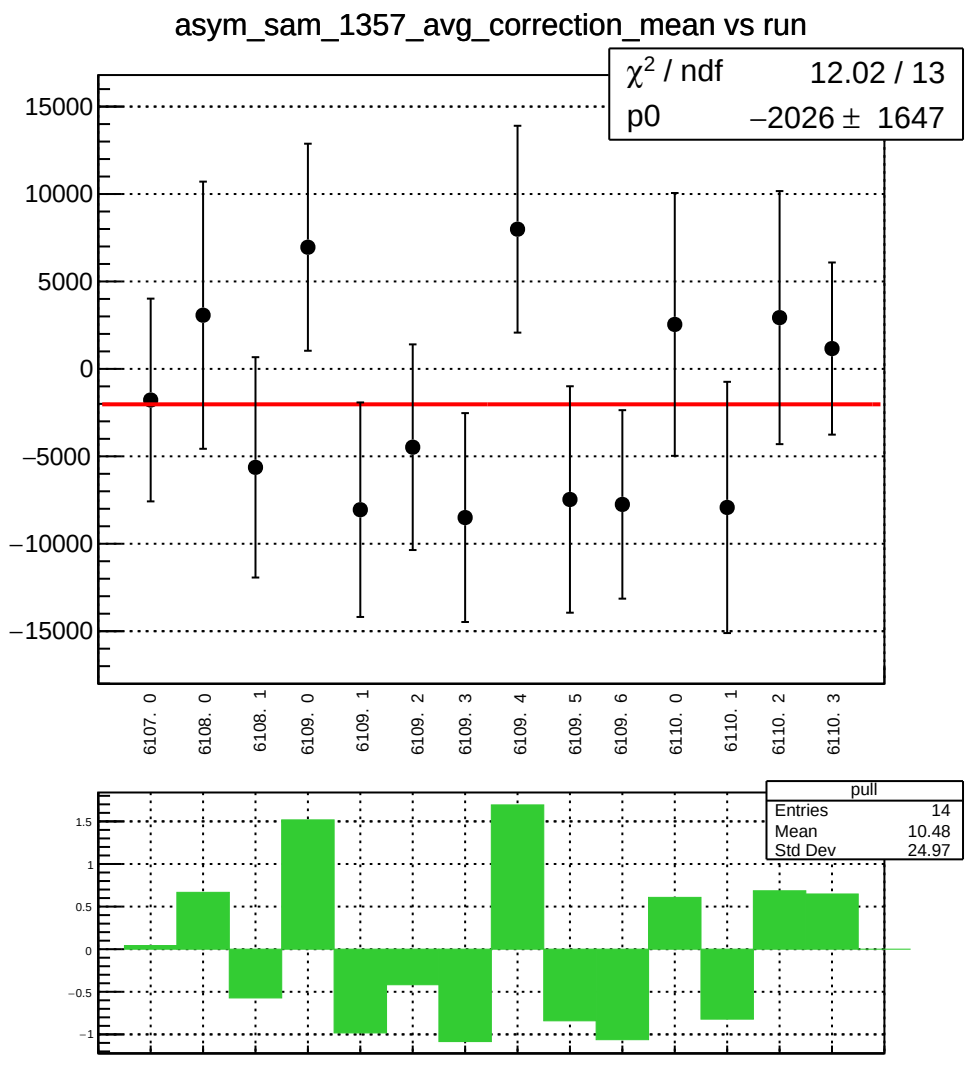

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

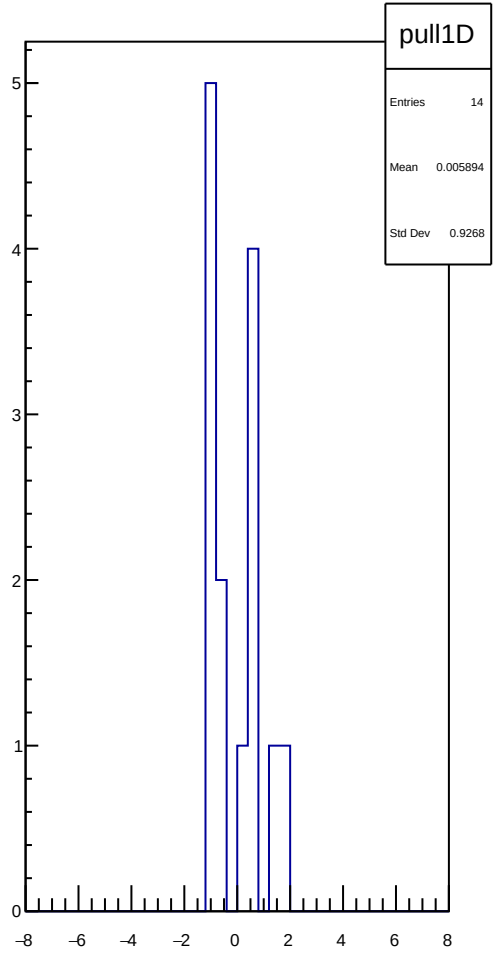

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

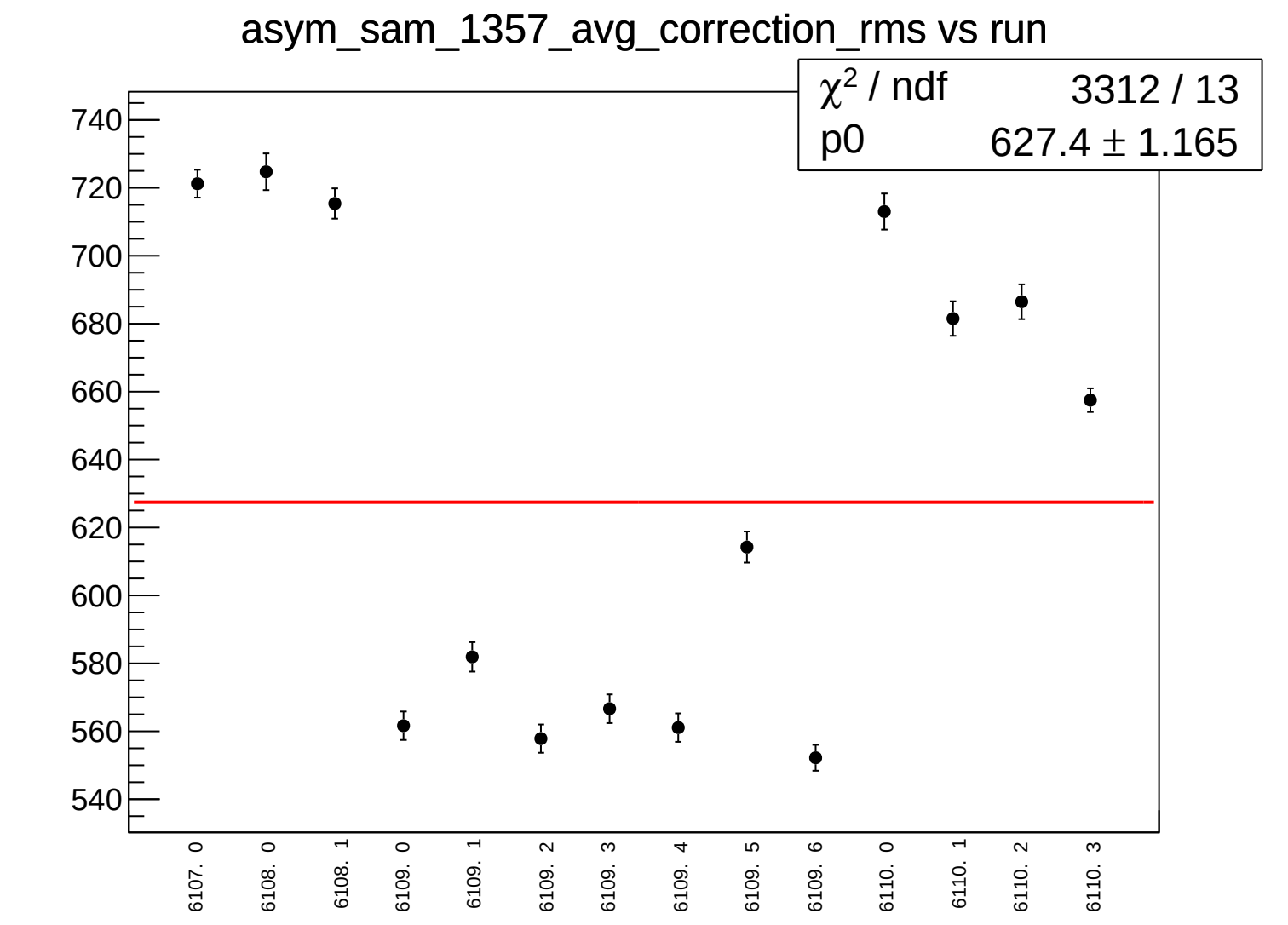

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 22.83 / 13
p0 −224.8 ± 214.7
6000
4000
2000
0
−2000
−4000
−6000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −1.466
Std Dev 8.437
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

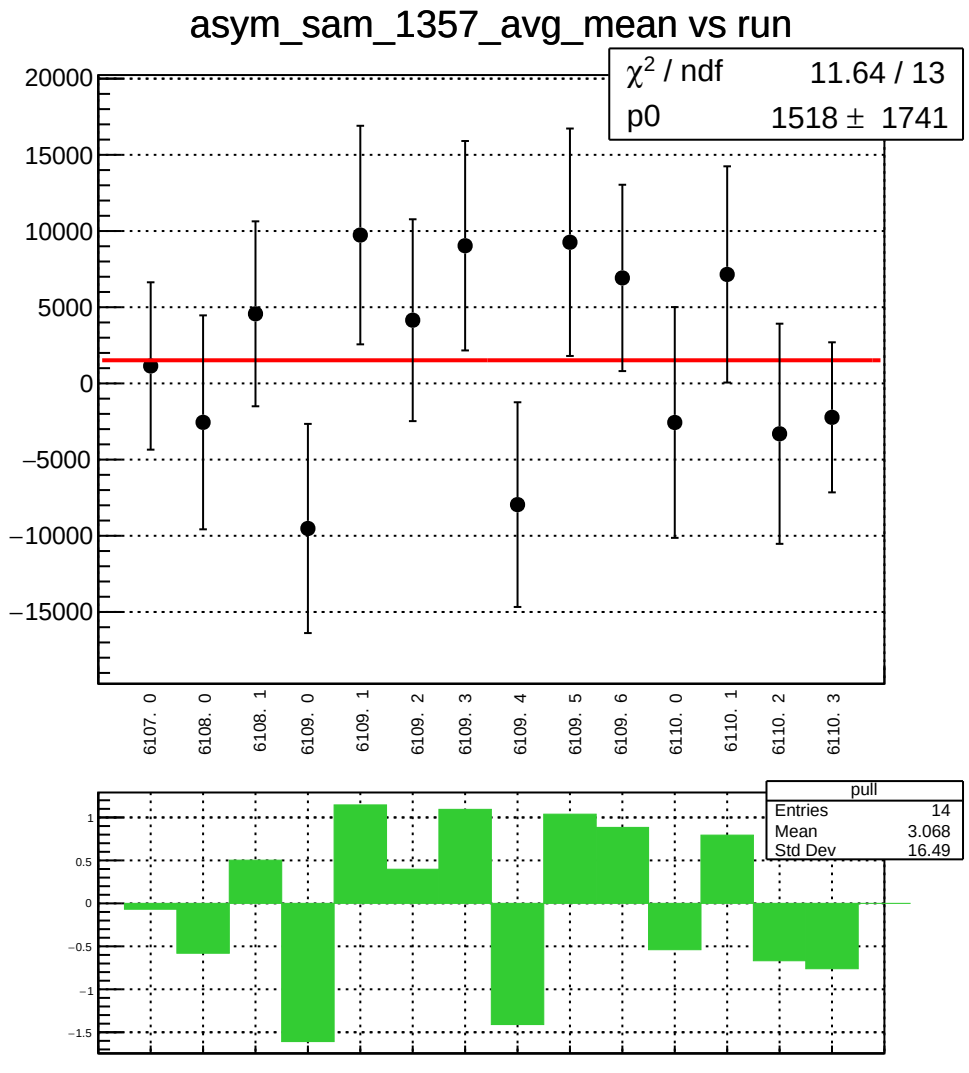

pull1D
Entries 14
Mean 0.2217
Std Dev 1.258
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

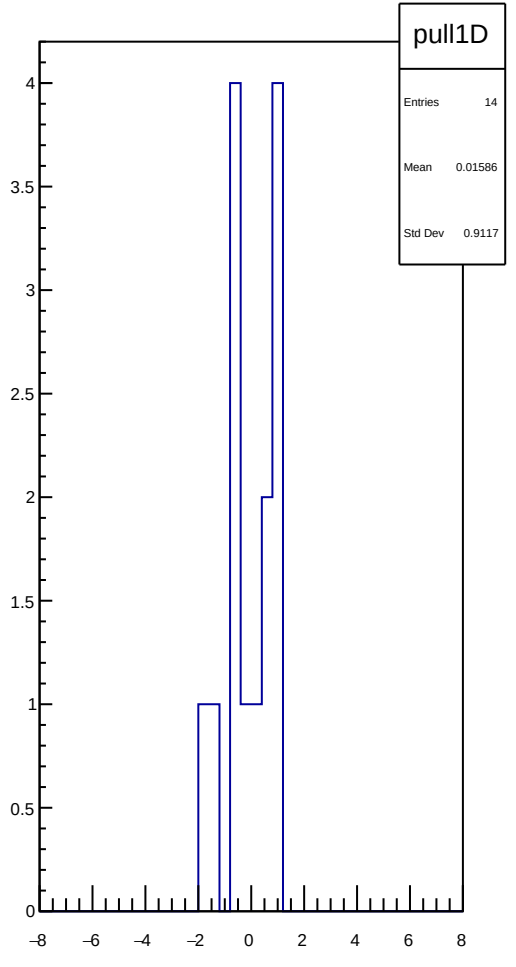

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 5.628e+04 / 13
p0 73.94 ± 0.1518
200
180
160
140
120
100
80
60
40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

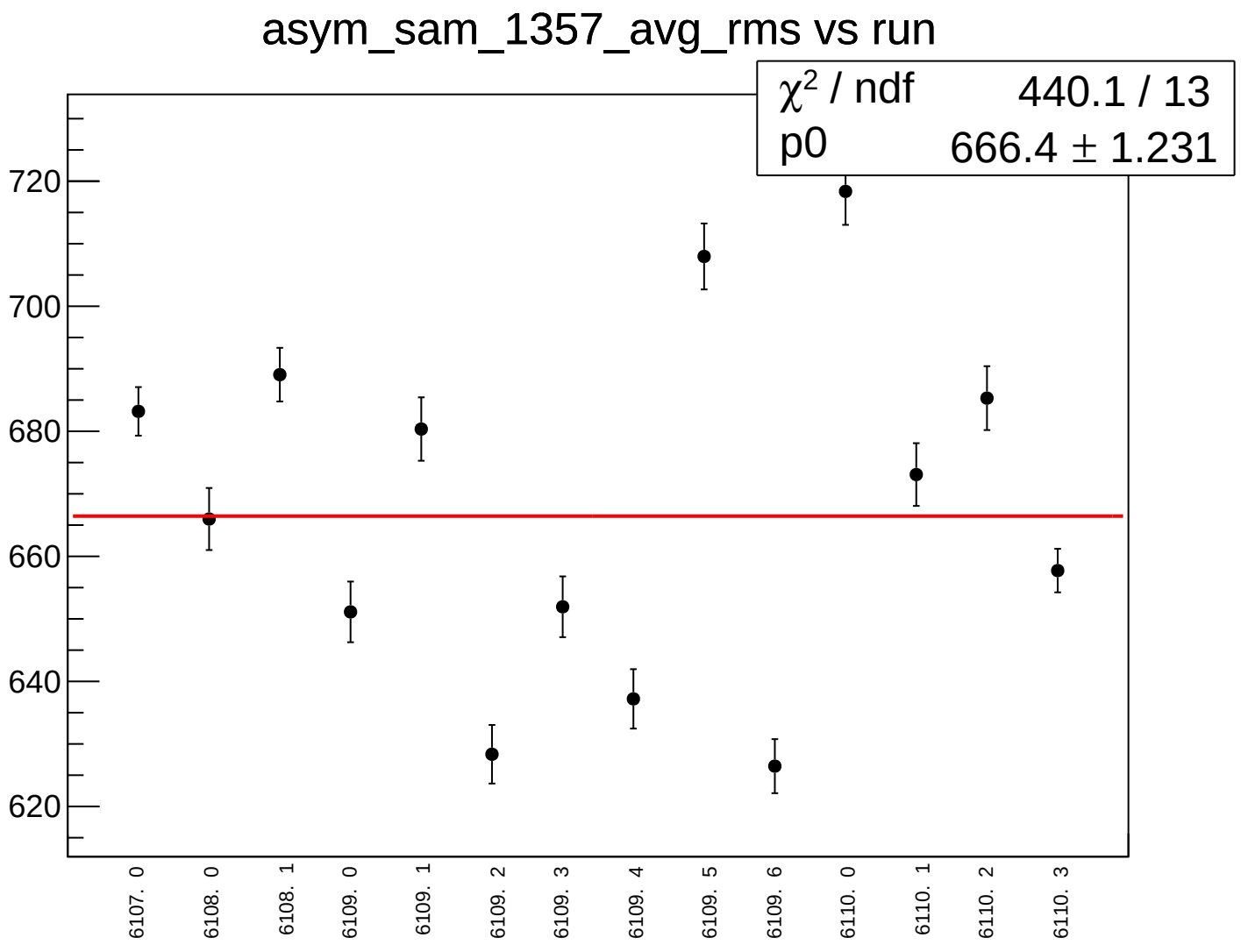

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 12.02 / 13
p0 −2026 ± 1647
15000
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 10.48
Std Dev 24.97
1.5
1
0.5
0
−0.5
−1

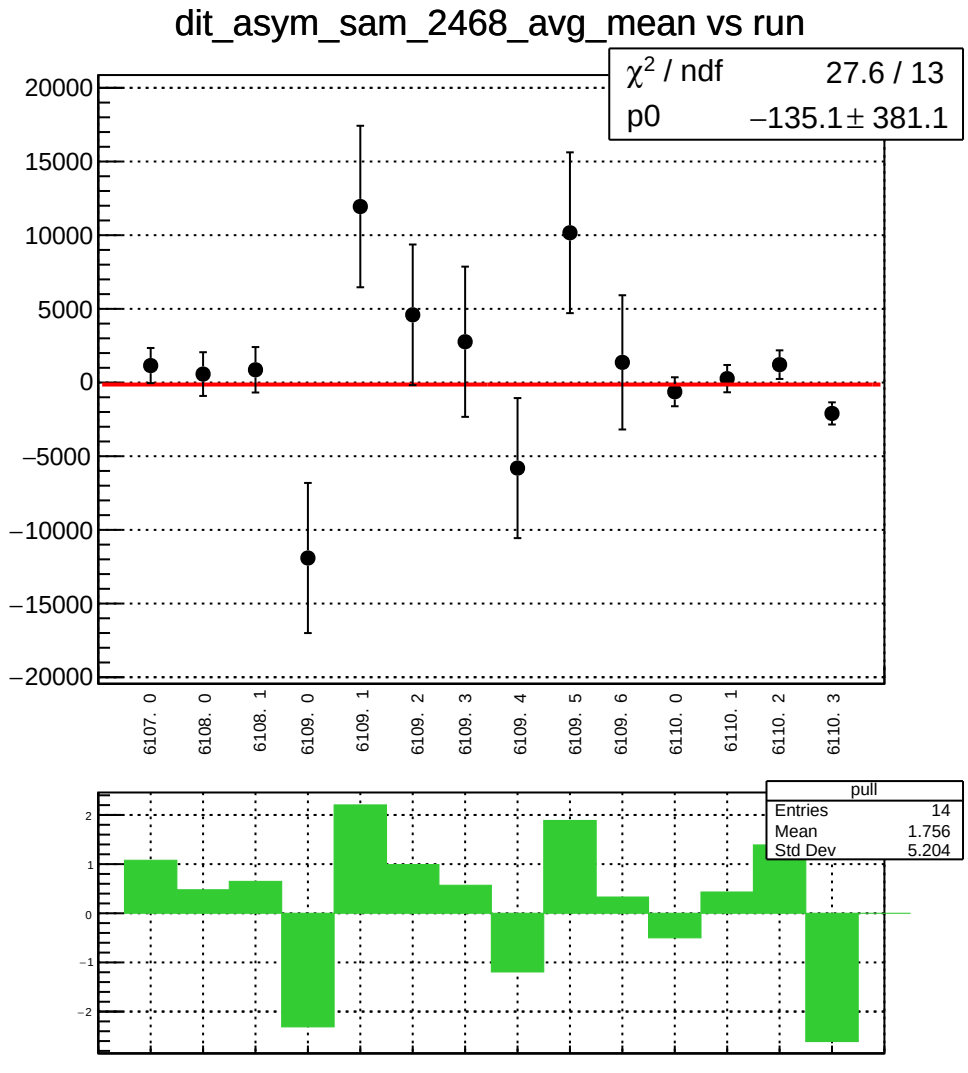

pull1D
Entries 14
Mean 0.005894
Std Dev 0.9268
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

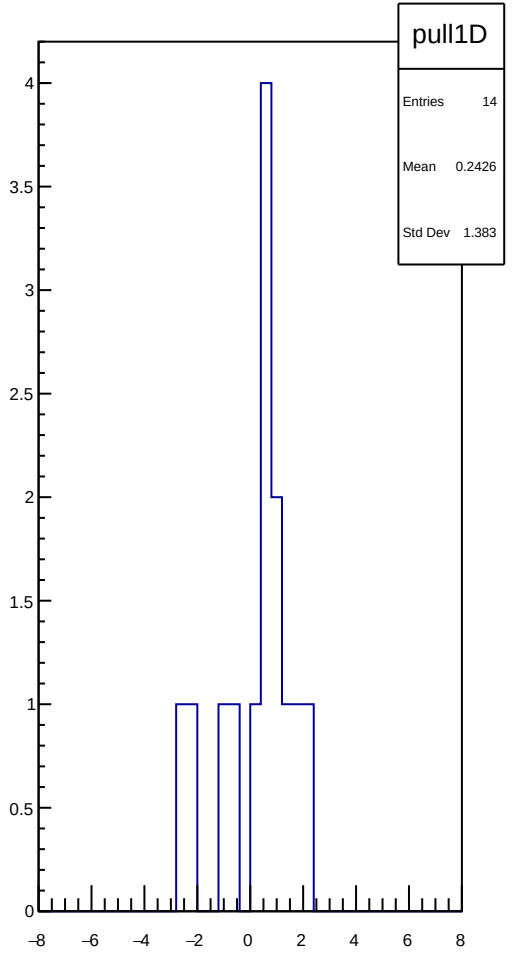

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3312 / 13
p0 627.4 ± 1.165
740
720
700
680
660
640
620
600
580
560
540
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

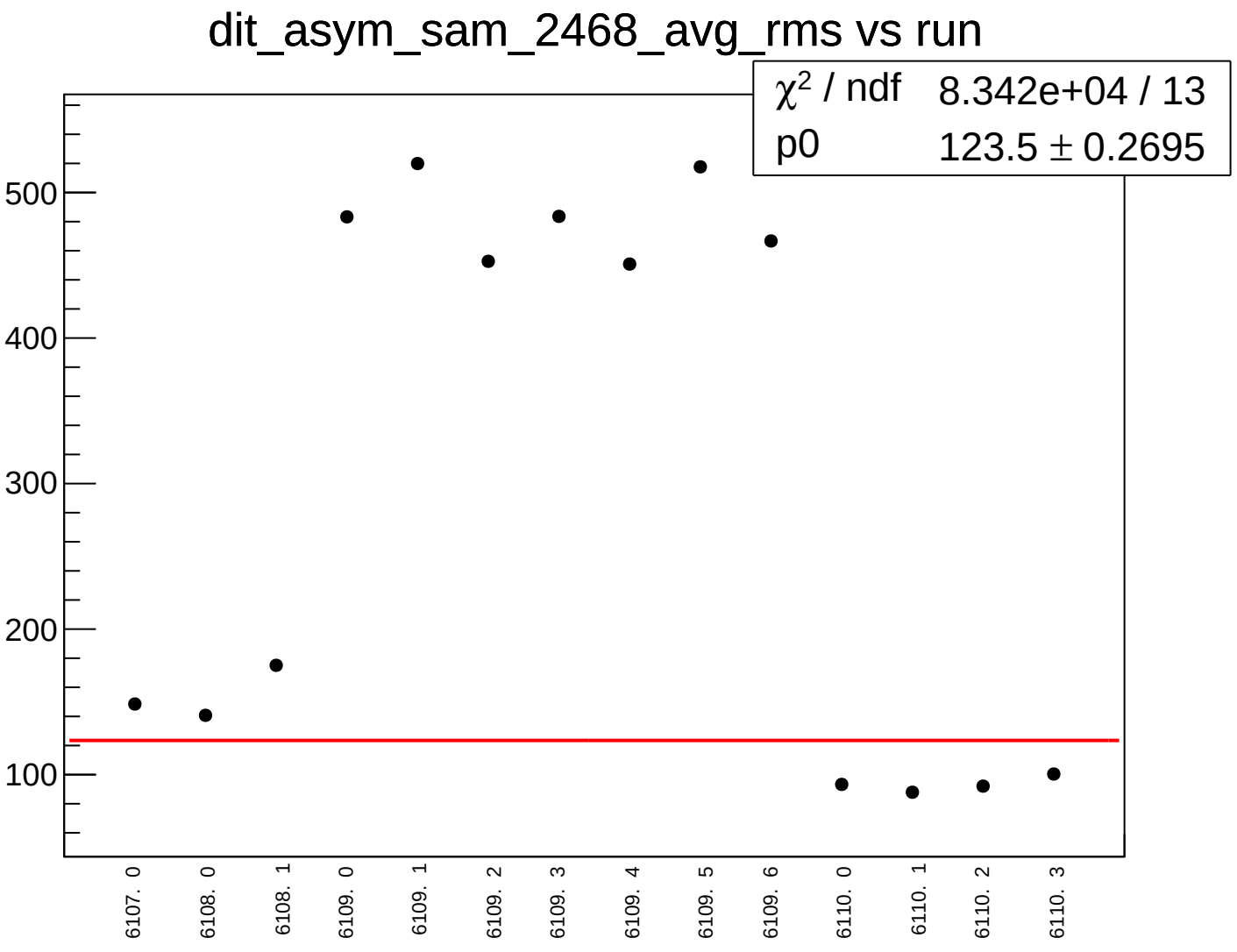

asym_sam_1357_avg_mean vs run
χ² / ndf 11.64 / 13
p0 1518 ± 1741
20000
15000
10000
5000
0
−5000
−10000
−15000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 3.068
Std Dev 16.49
1
0.5
0
−0.5
−1
−1.5

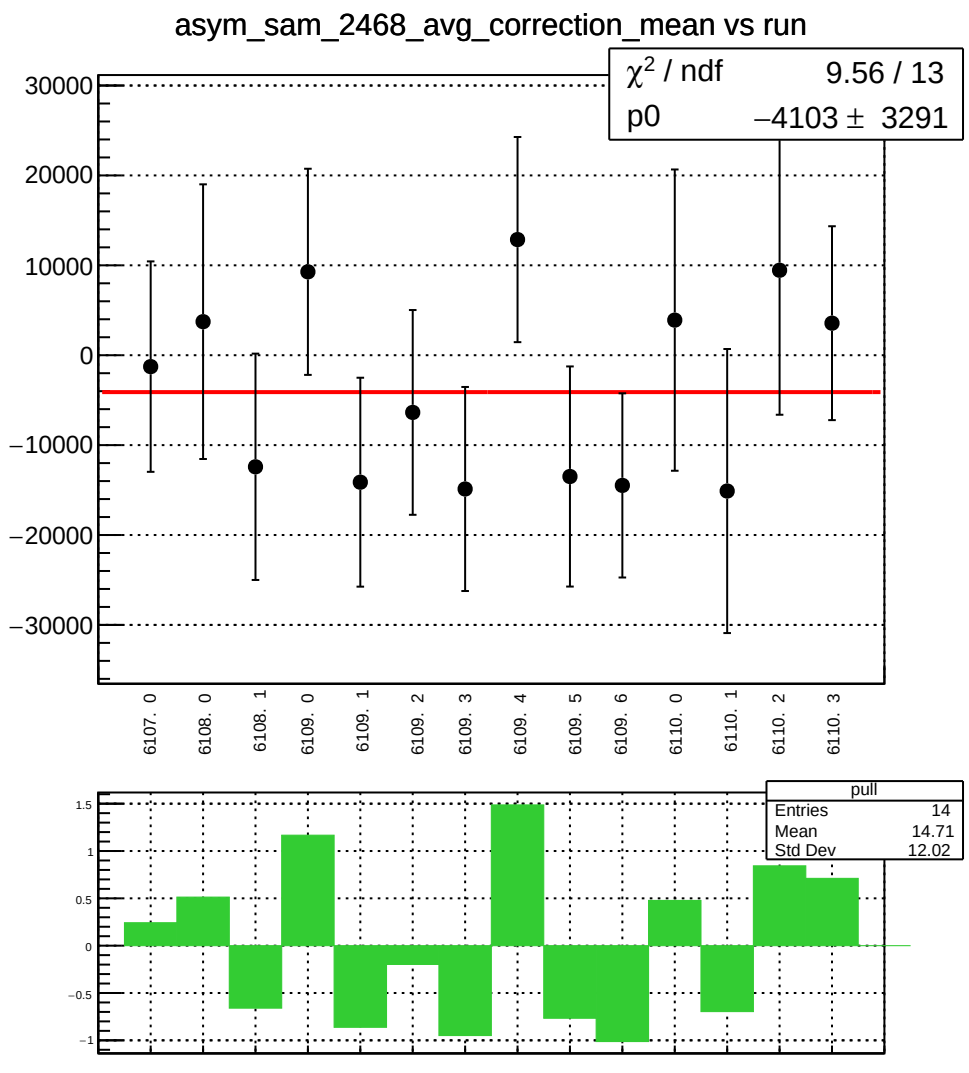

pull1D
Entries 14
Mean 0.01586
Std Dev 0.9117
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

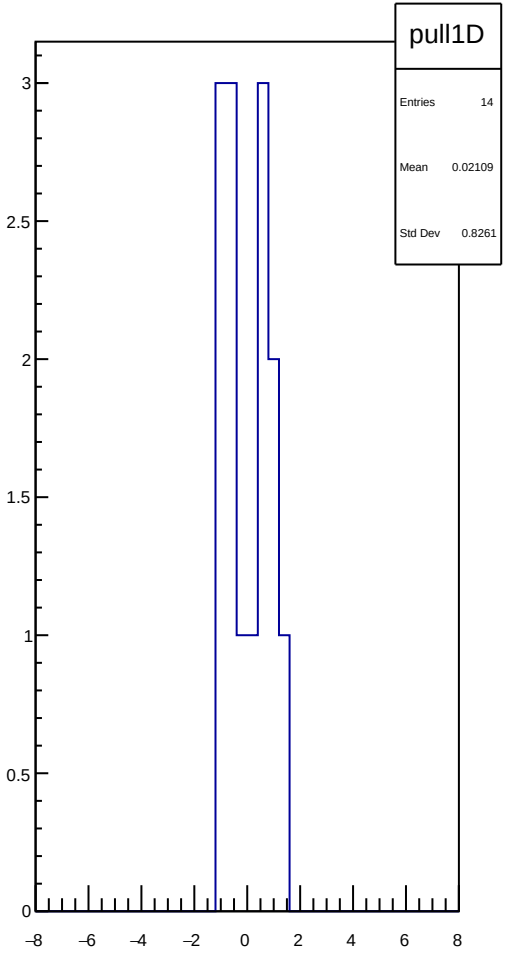

asym_sam_1357_avg_rms vs run
χ² / ndf 440.1 / 13
p0 666.4 ± 1.231
720
700
680
660
640
620
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

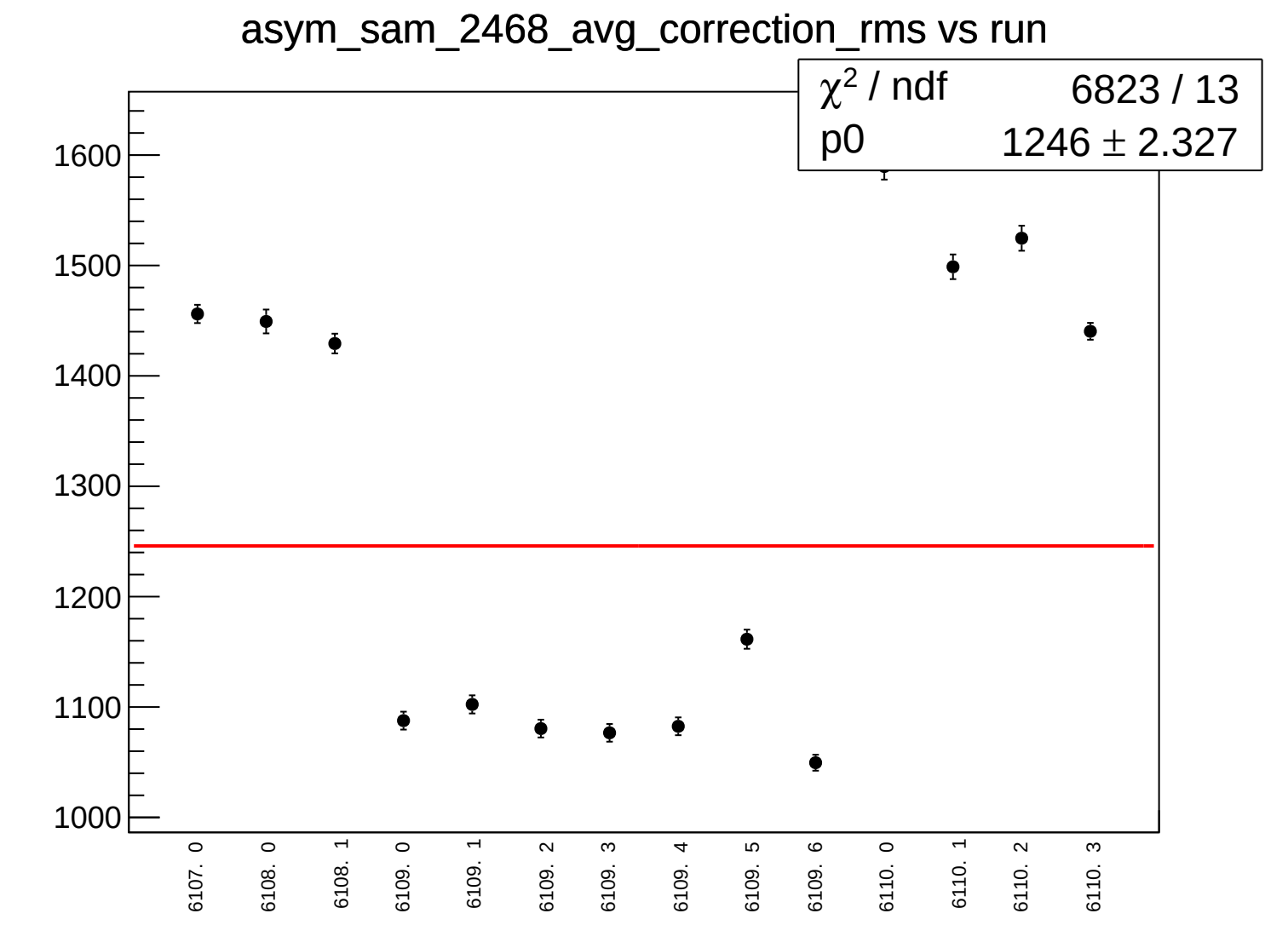

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 27.6 / 13
p0 −135.1 ± 381.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1.756
Std Dev 5.204
2
1
0
−1
−2

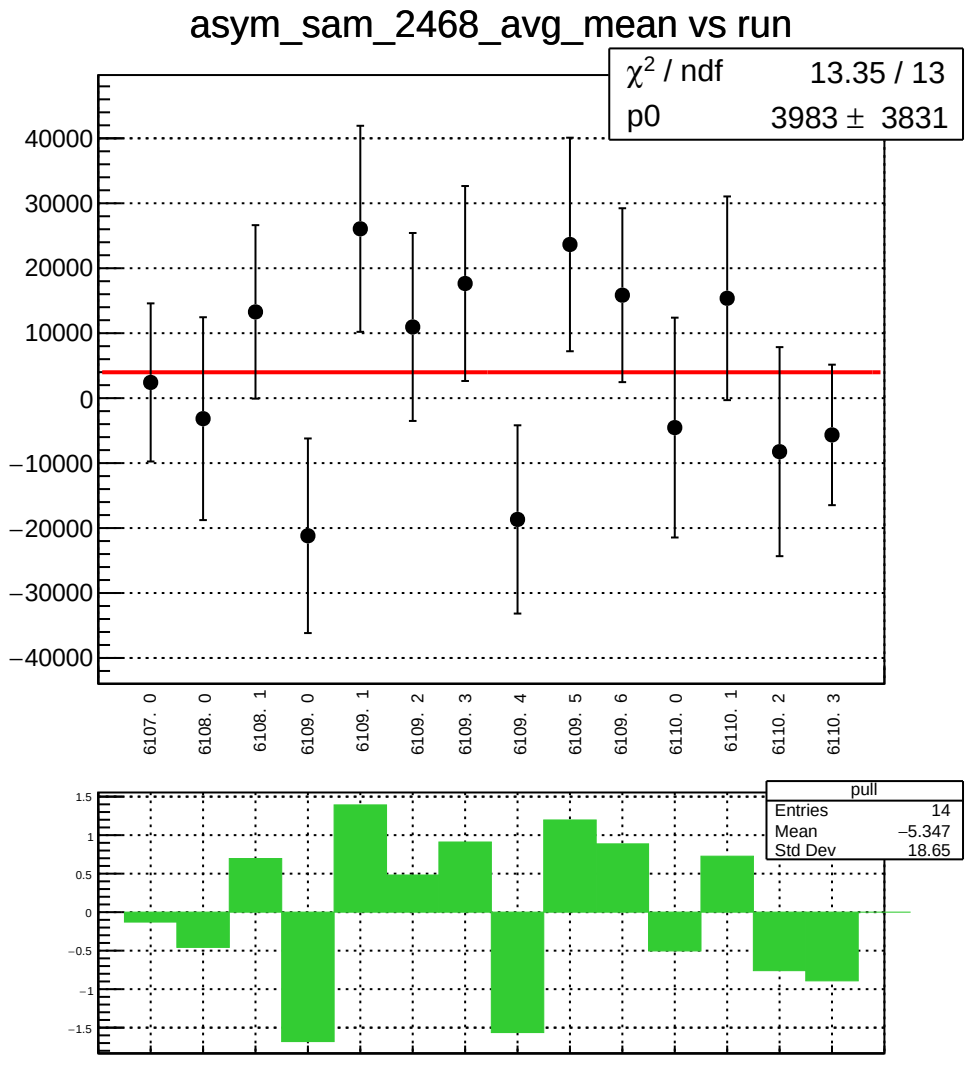

pull1D
Entries 14
Mean 0.2426
Std Dev 1.383
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

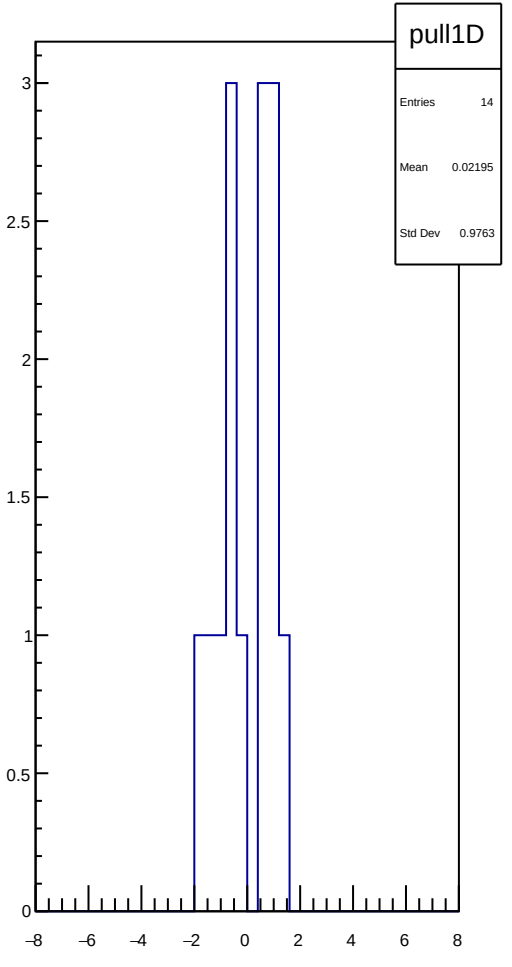

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 8.342e+04 / 13
p0 123.5 ± 0.2695
500
400
300
200
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

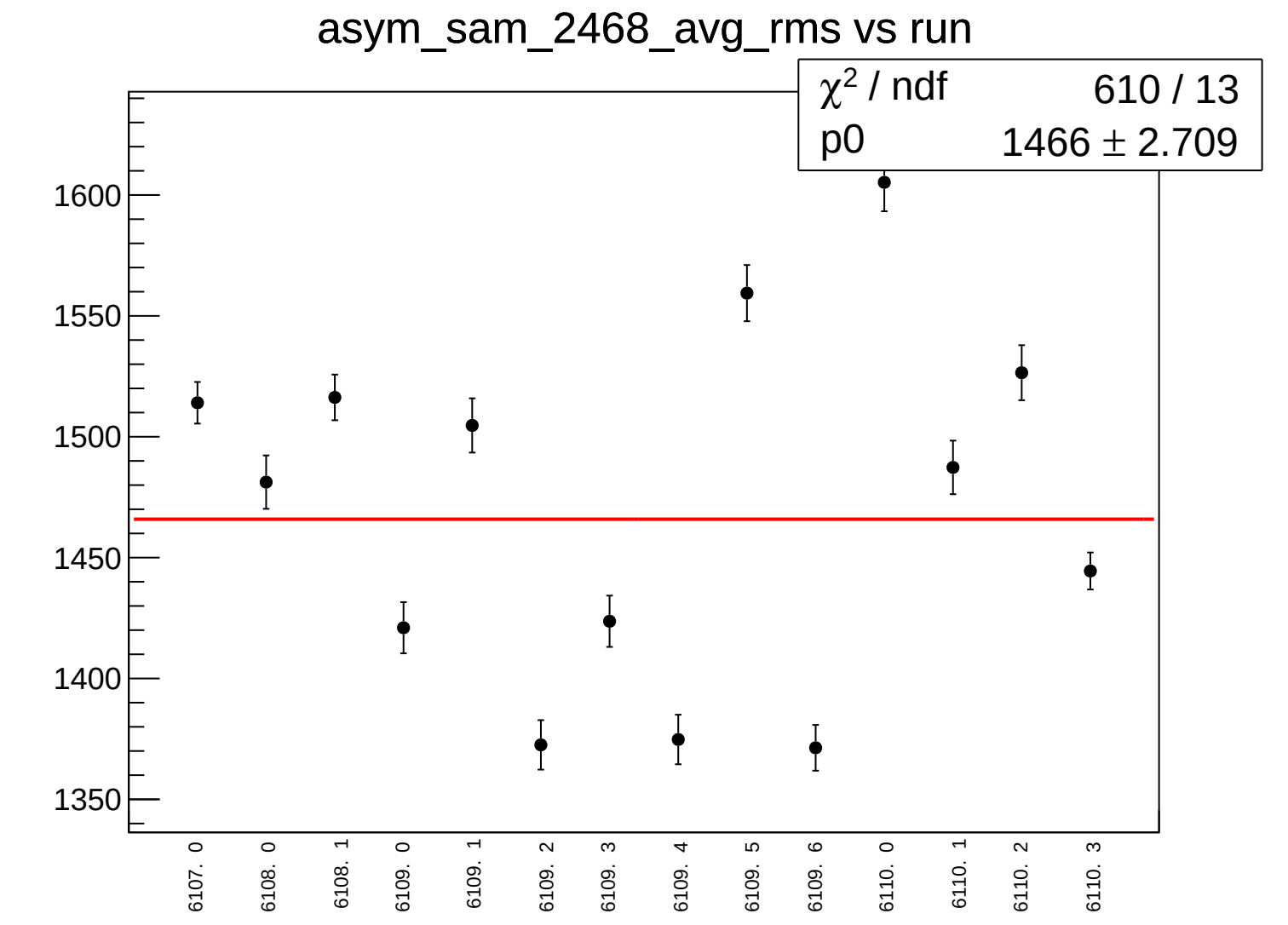

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 9.56 / 13
p0 −4103 ± 3291
30000
20000
10000
0
−10000
−20000
−30000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 14.71
Std Dev 12.02
1.5
1
0.5
0
−0.5
−1

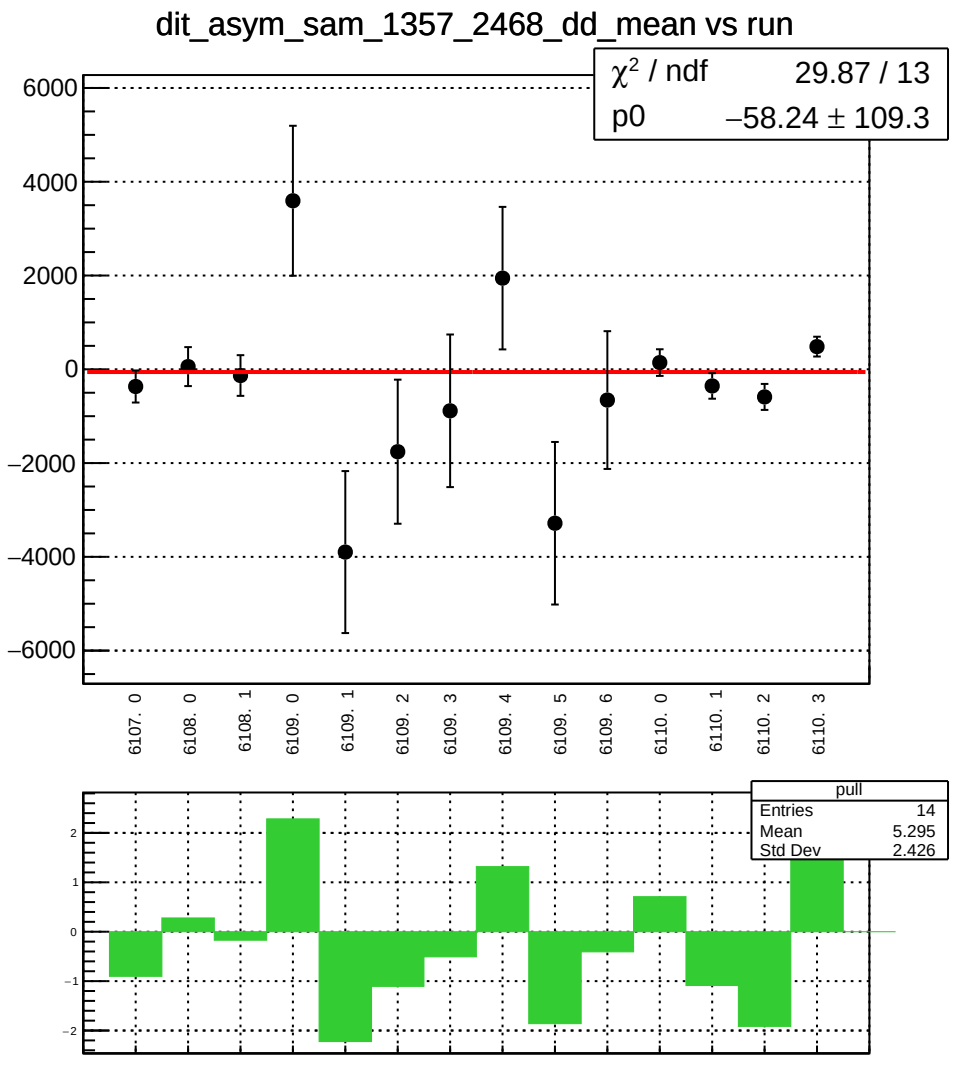

pull1D
Entries 14
Mean 0.02109
Std Dev 0.8261
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

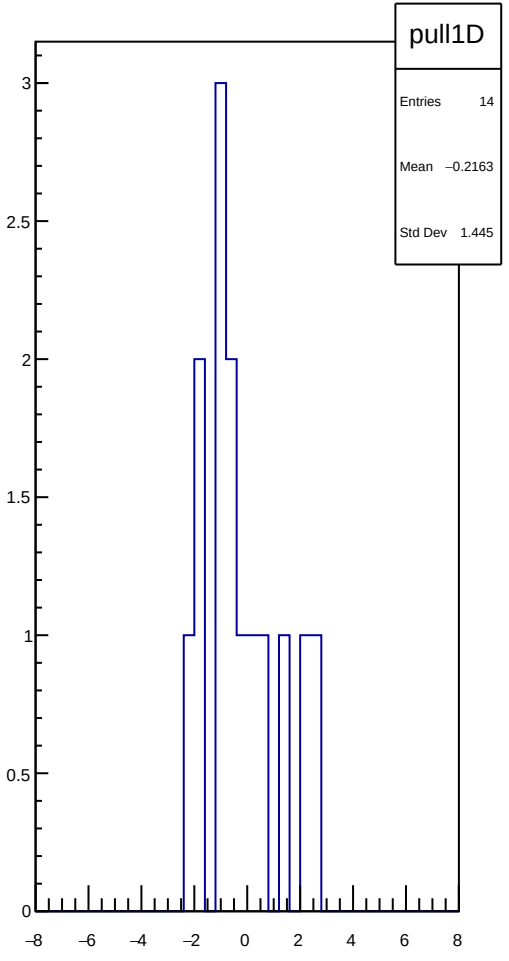

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 6823 / 13
p0 1246 ± 2.327
1600
1500
1400
1300
1200
1100
1000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

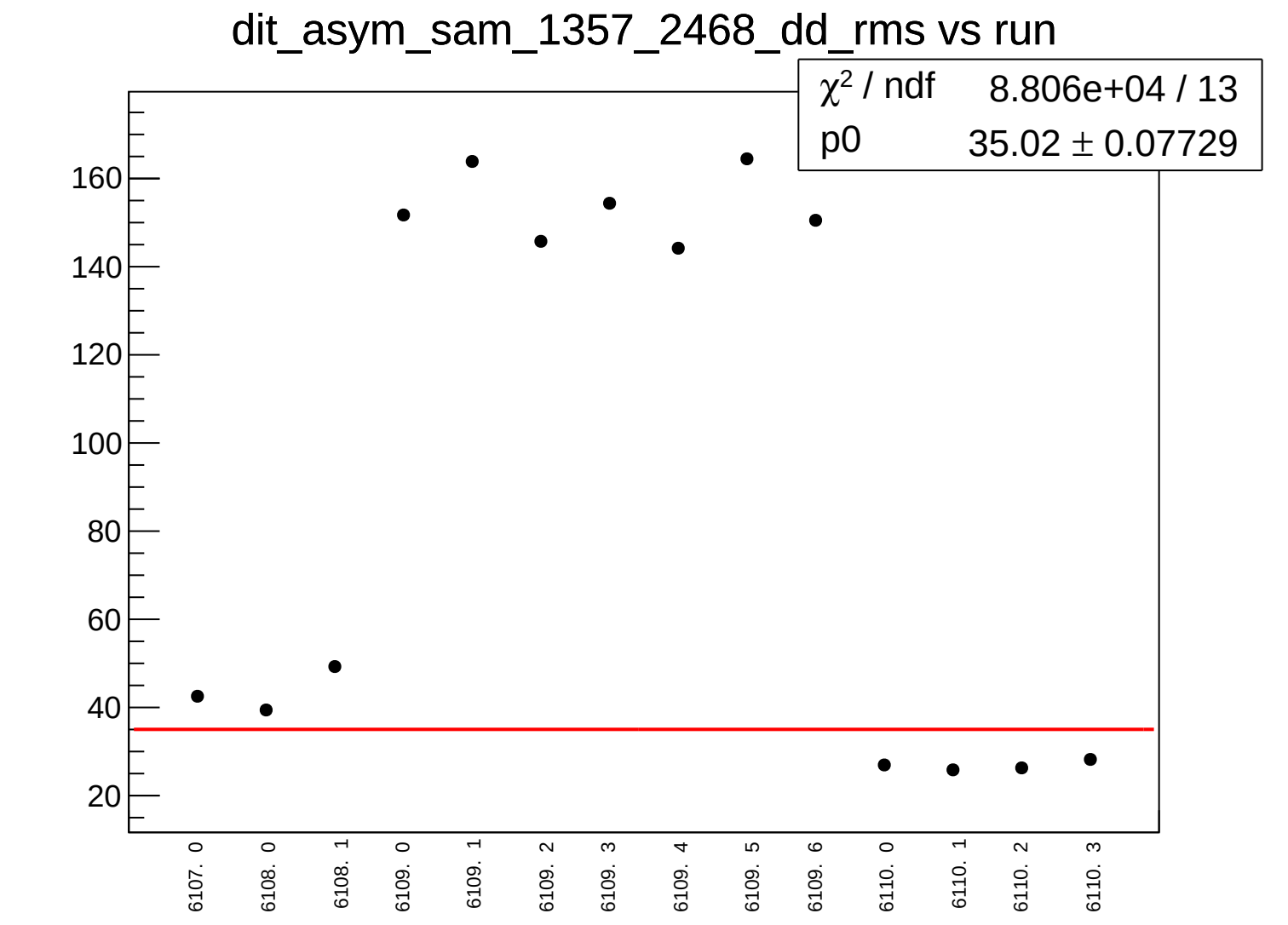

asym_sam_2468_avg_mean vs run
χ² / ndf 13.35 / 13
p0 3983 ± 3831
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −5.347
Std Dev 18.65
1.5
1
0.5
0
−0.5
−1
−1.5

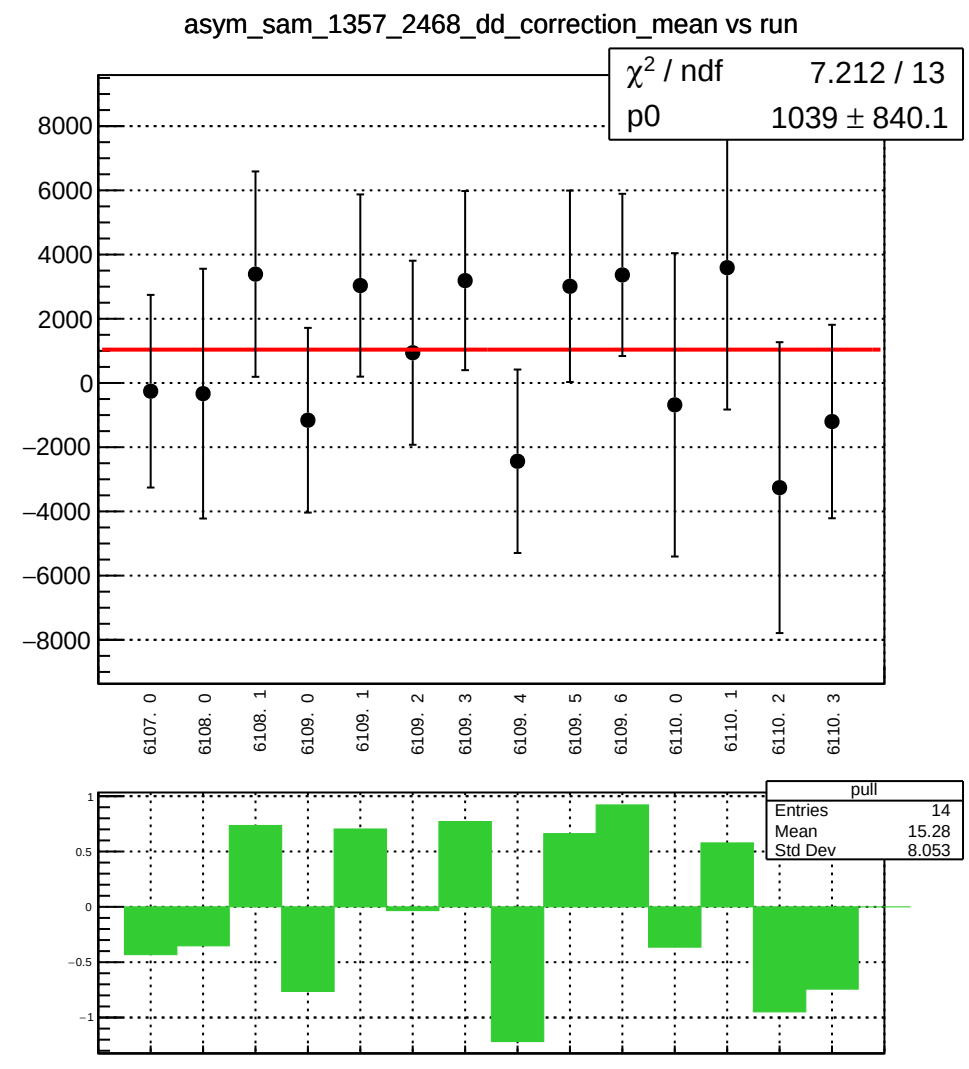

pull1D
Entries 14
Mean 0.02195
Std Dev 0.9763
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

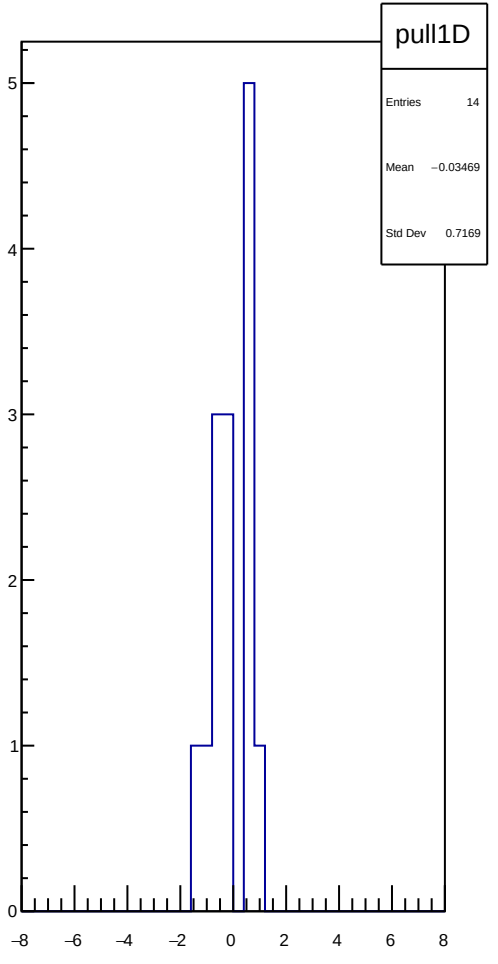

asym_sam_2468_avg_rms vs run
χ² / ndf 610 / 13
p0 1466 ± 2.709
1600
1550
1500
1450
1400
1350
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

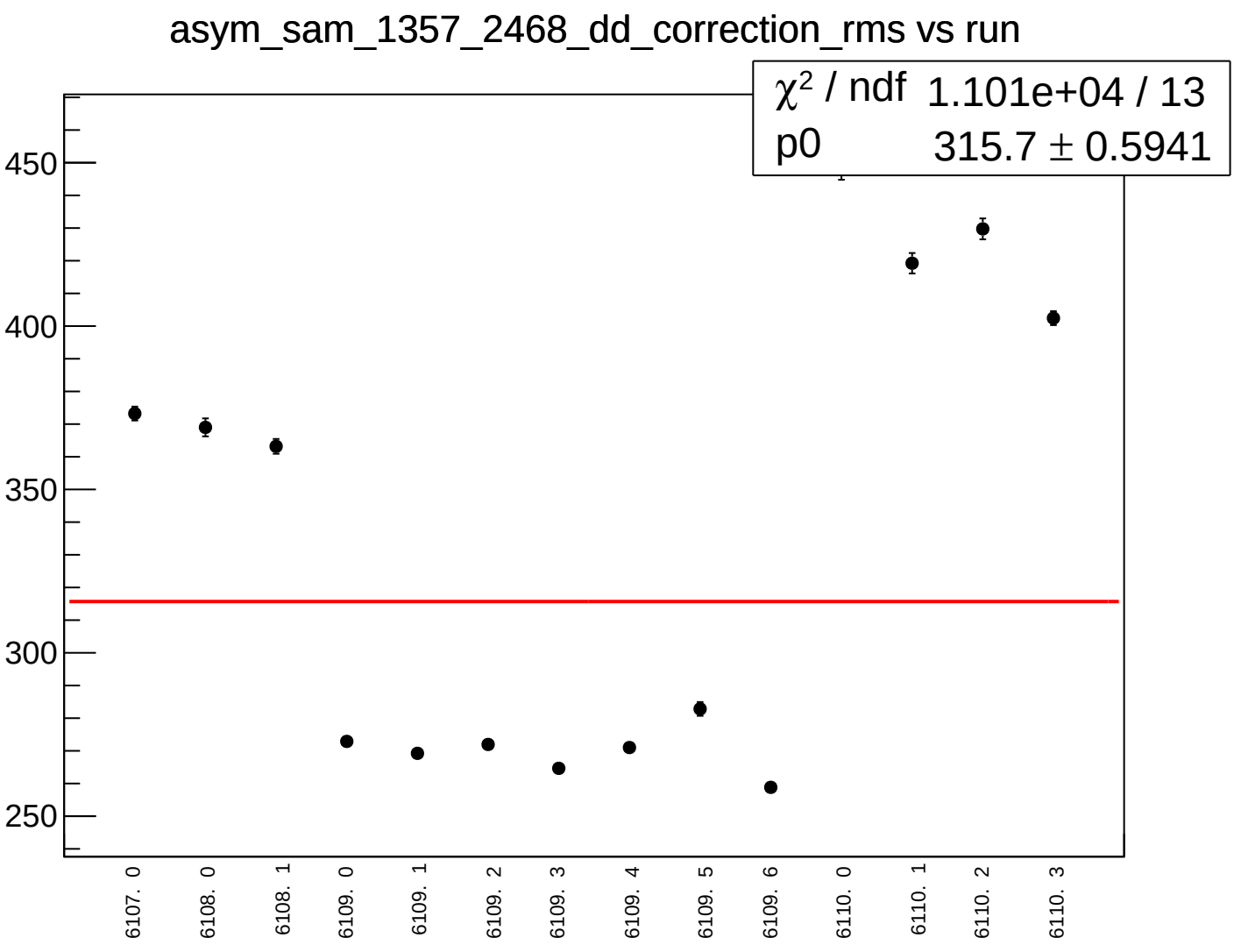

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 29.87 / 13
p0 −58.24 ± 109.3
6000
4000
2000
0
−2000
−4000
−6000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.295
Std Dev 2.426
2
1
0
−1
−2

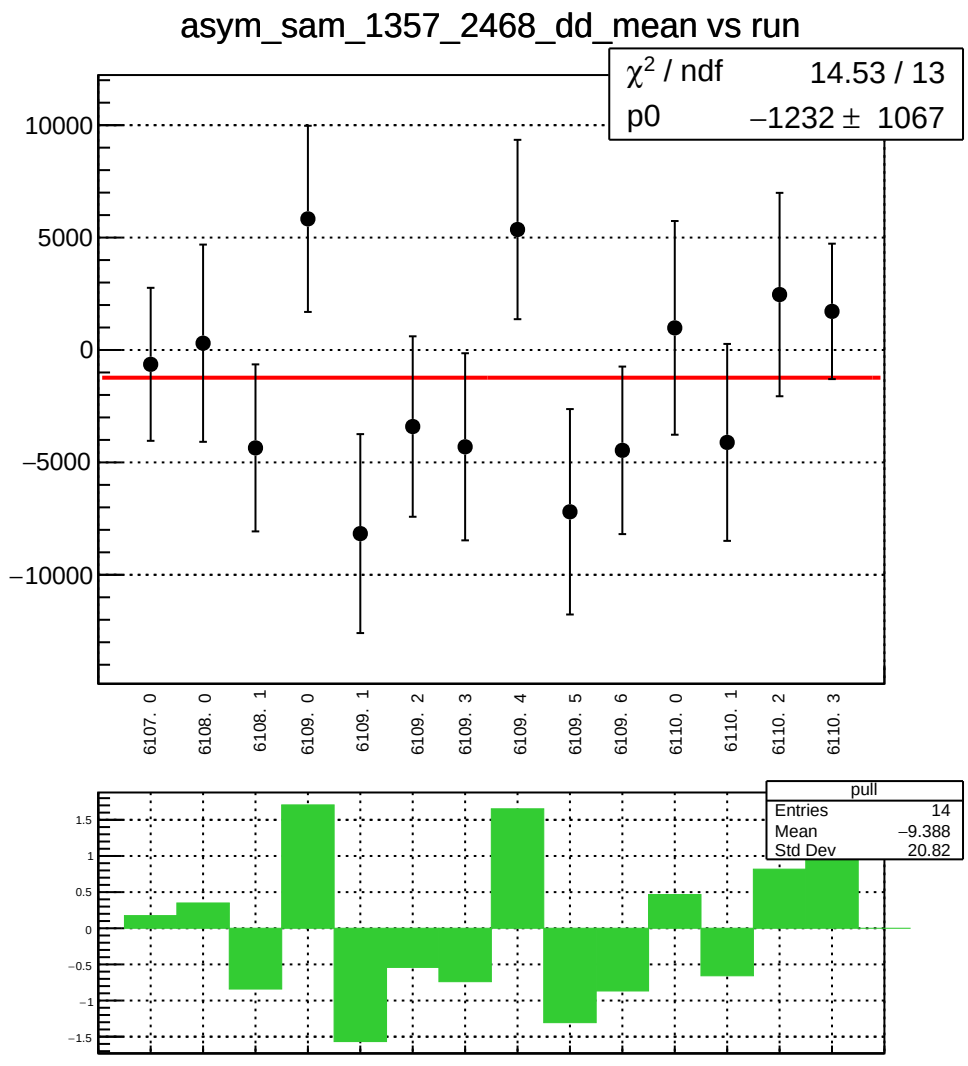

pull1D
Entries 14
Mean −0.2163
Std Dev 1.445
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

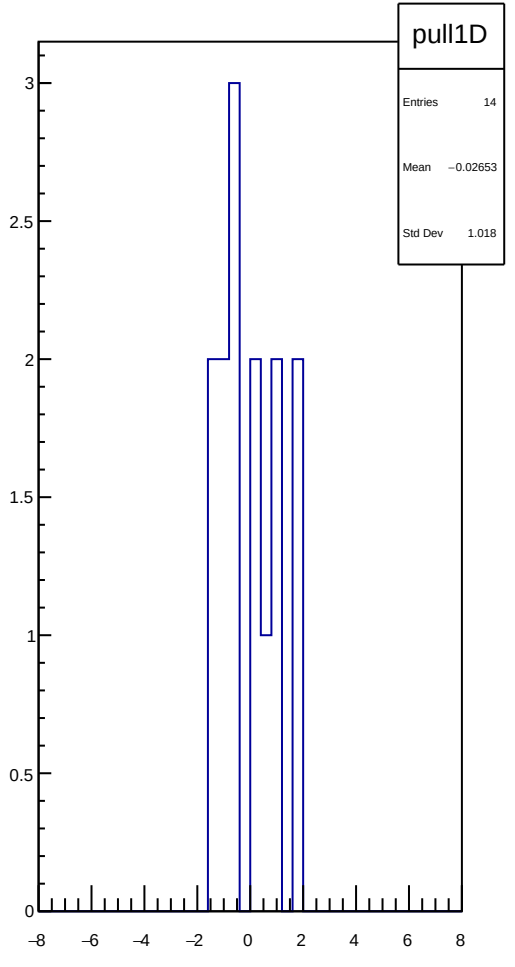

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8.806e+04 / 13
p0 35.02 ± 0.07729
160
140
120
100
80
60
40
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

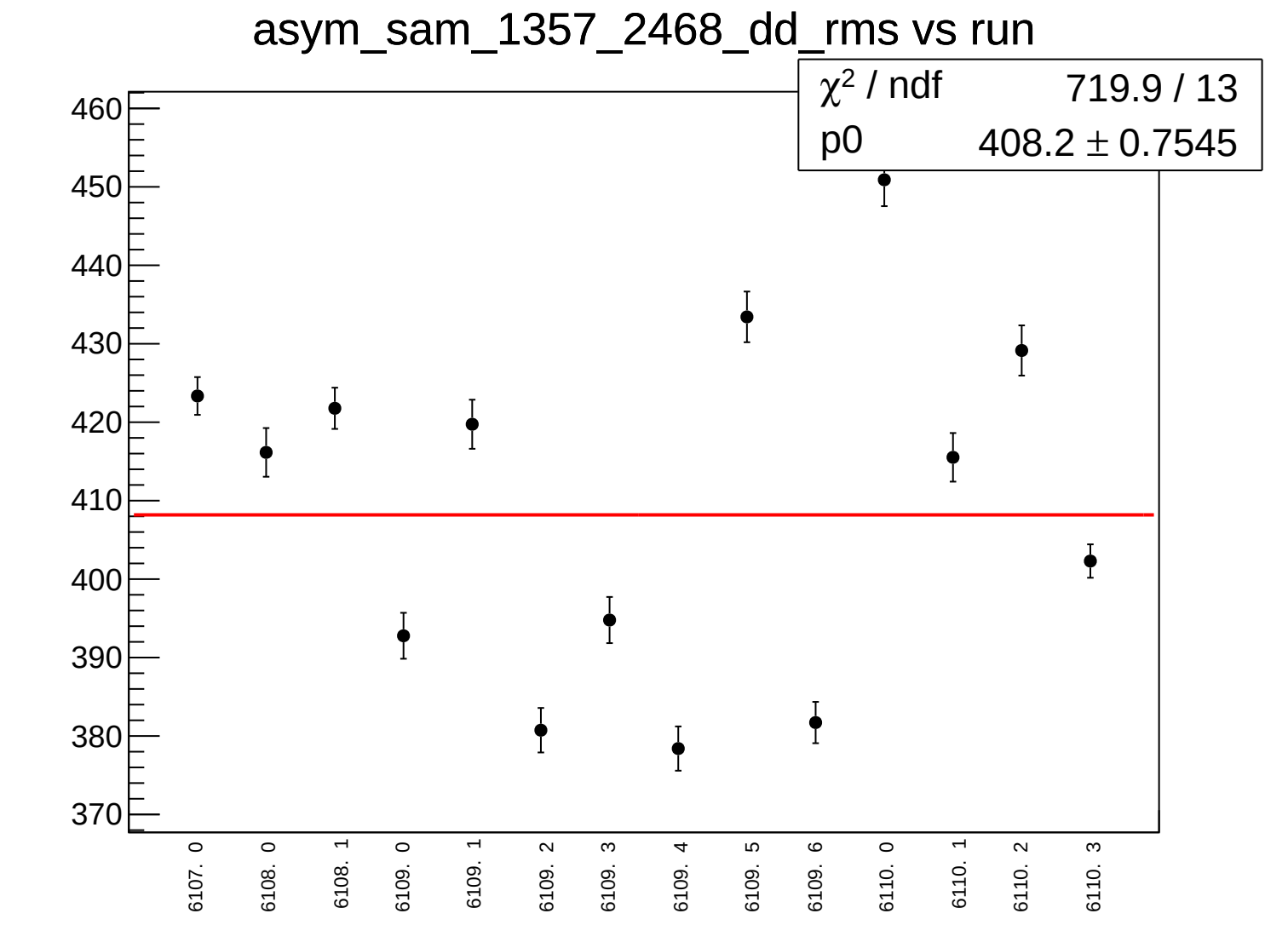

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 7.212 / 13
p0 1039 ± 840.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 15.28
Std Dev 8.053
1
0.5
0
−0.5
−1

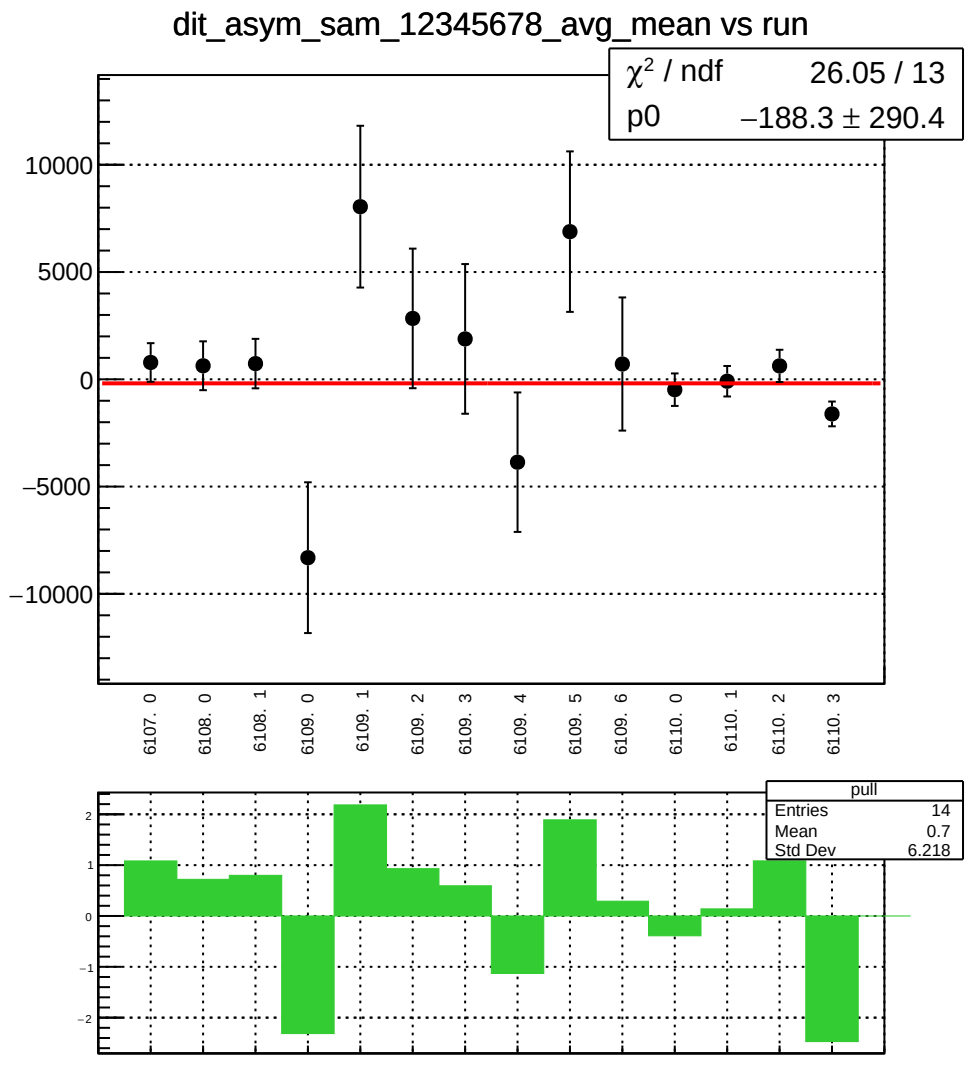

pull1D
Entries 14
Mean −0.03469
Std Dev 0.7169
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

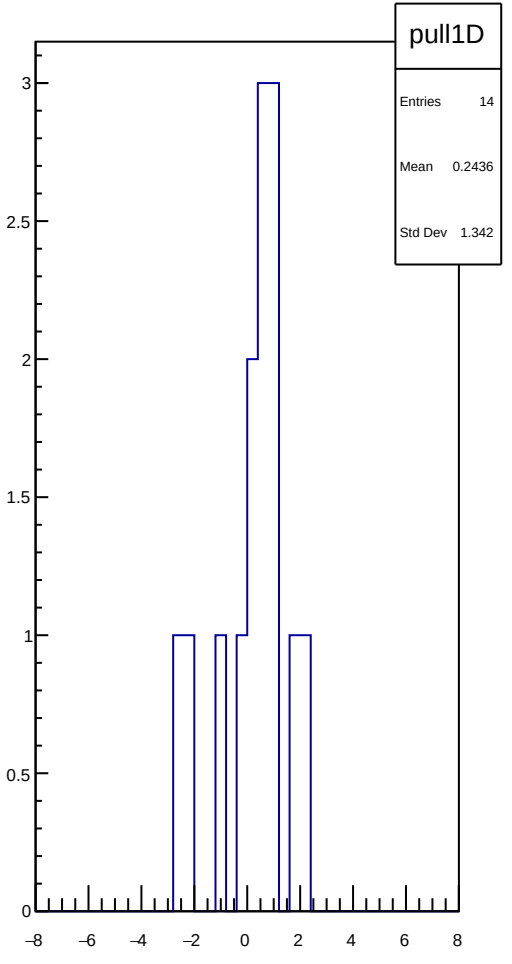

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.101e+04 / 13
p0 315.7 ± 0.5941
450
400
350
300
250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

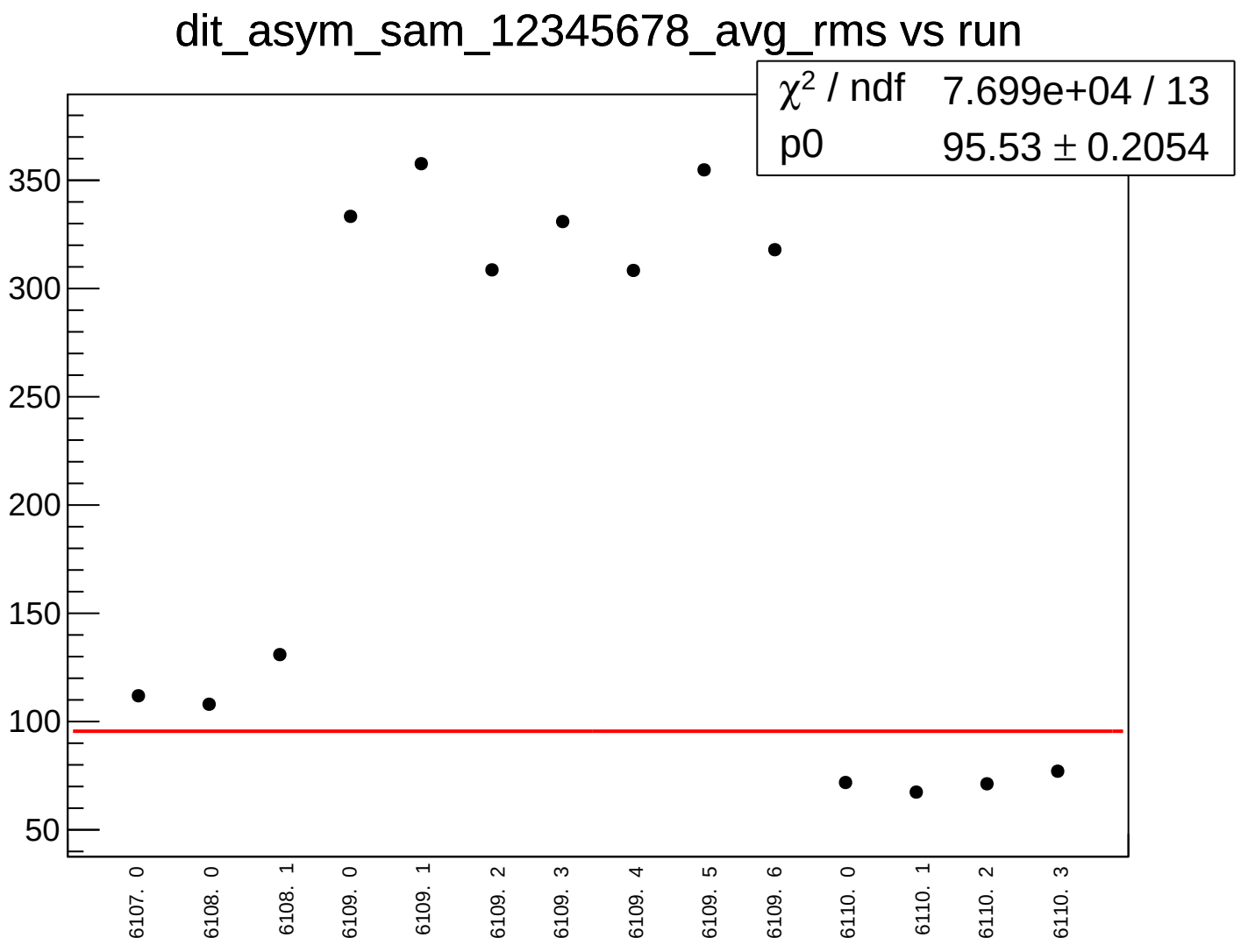

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 14.53 / 13
p0 −1232 ± 1067
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −9.388
Std Dev 20.82
1.5
1
0.5
0
−0.5
−1
−1.5

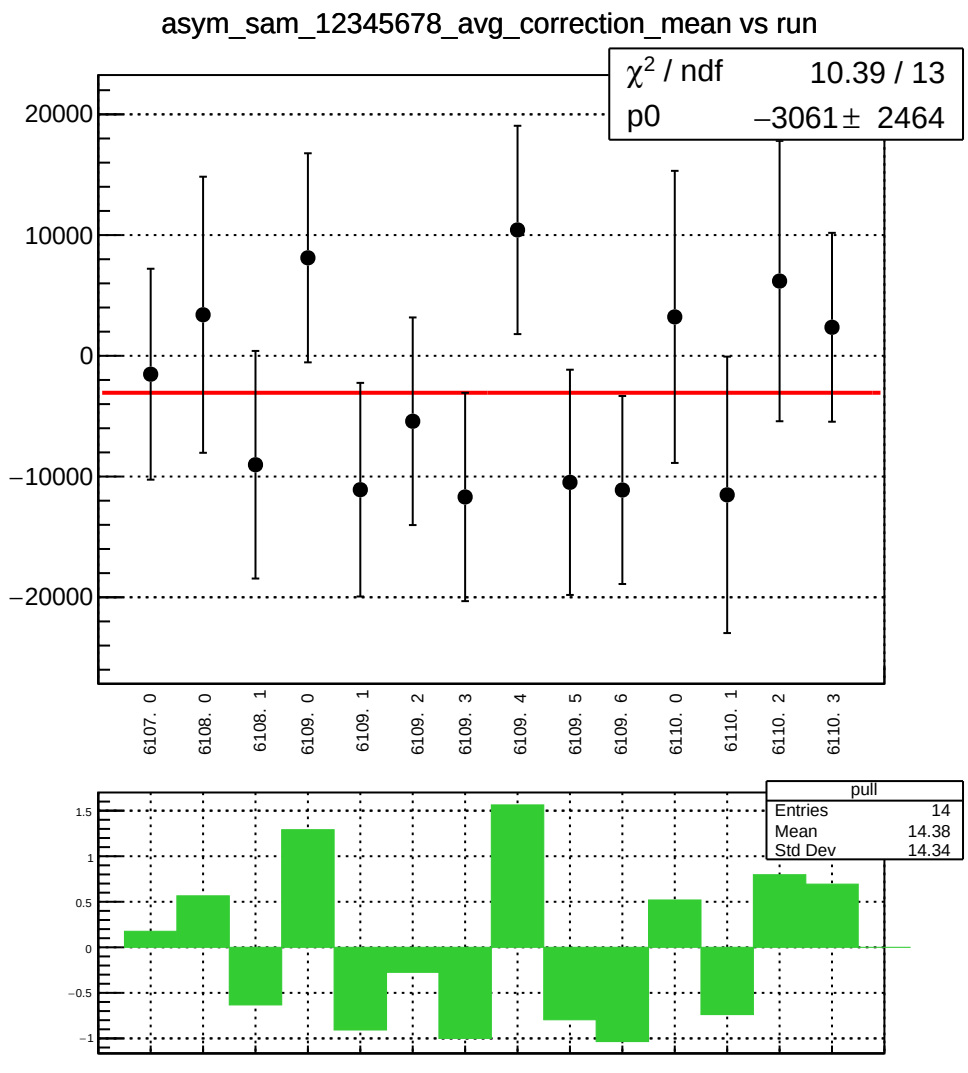

pull1D
Entries 14
Mean −0.02653
Std Dev 1.018
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

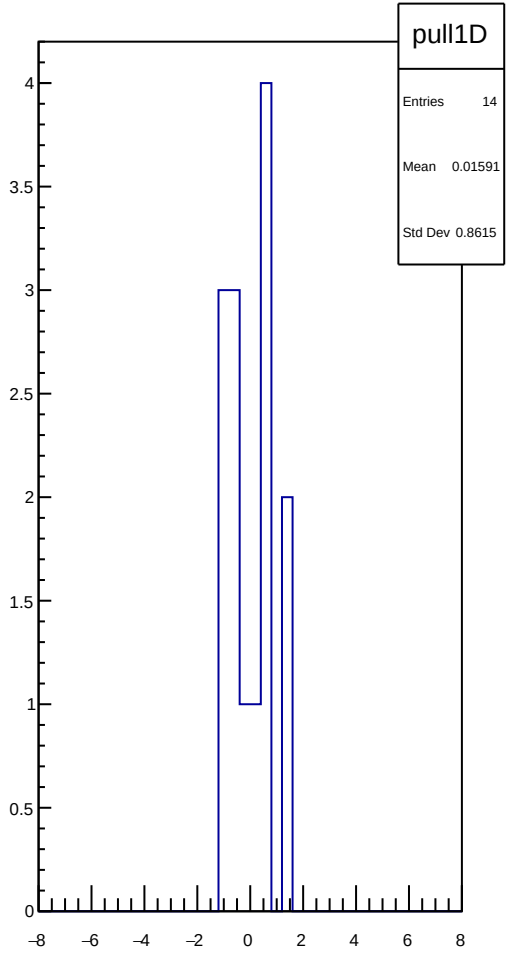

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 719.9 / 13
p0 408.2 ± 0.7545
460
450
440
430
420
410
400
390
380
370
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

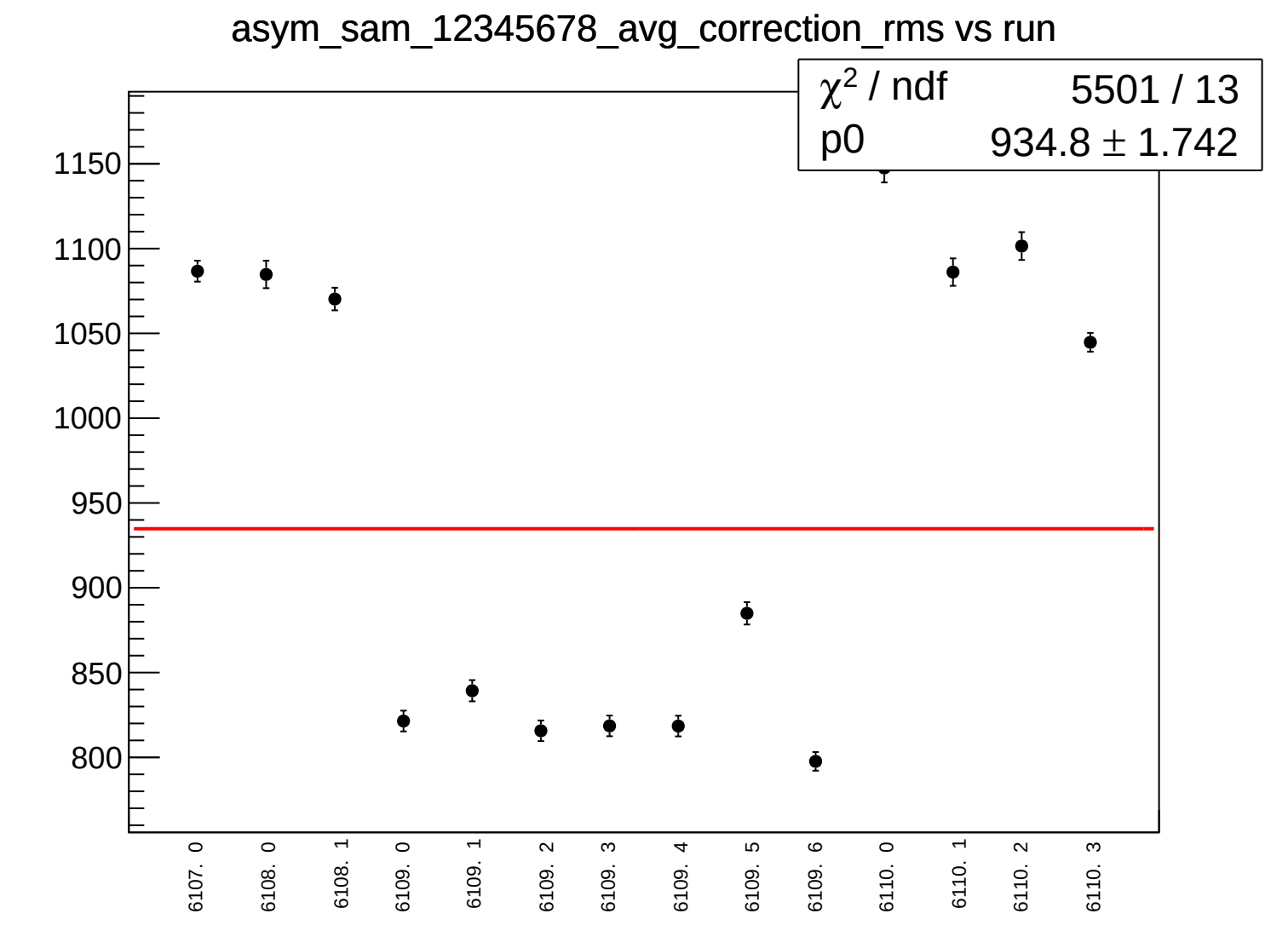

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 26.05 / 13
p0 −188.3 ± 290.4
10000
5000
0
−5000
−10000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0.7
Std Dev 6.218
2
1
0
−1
−2

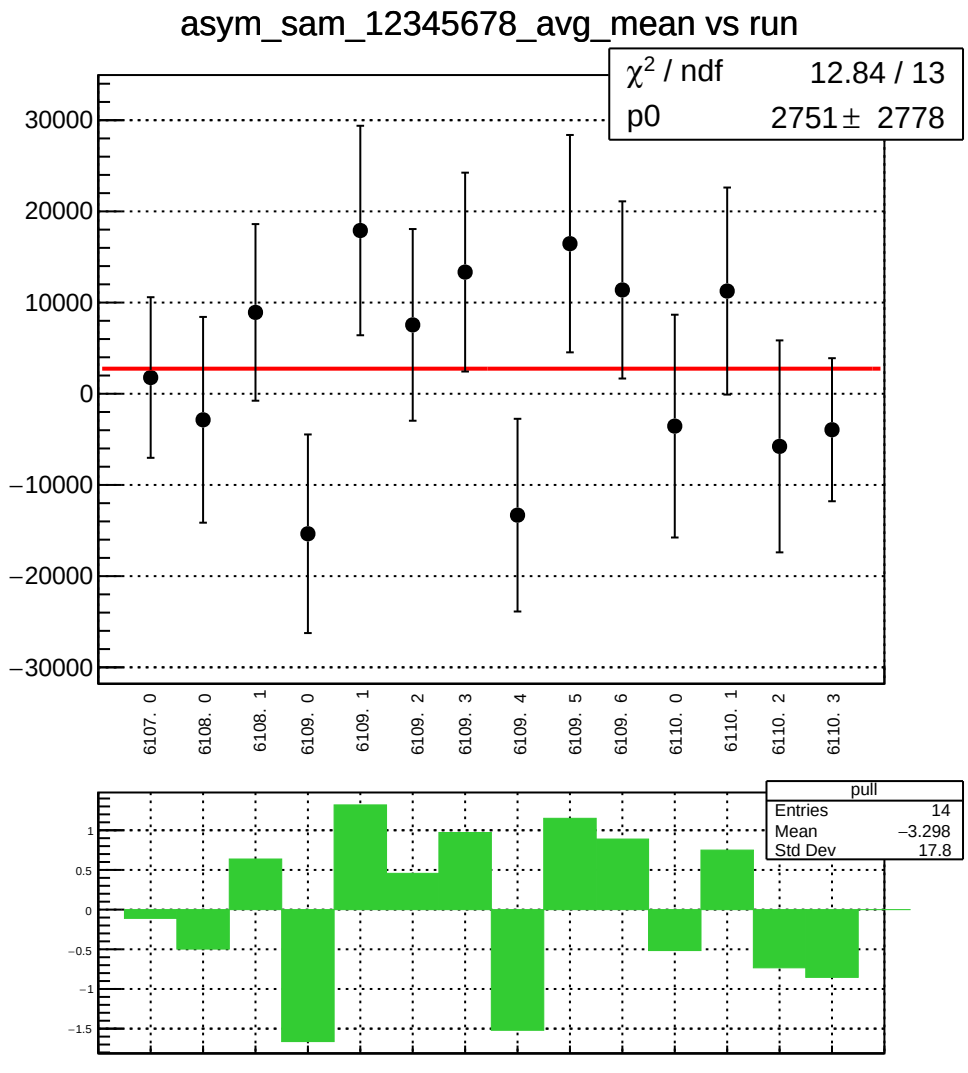

pull1D
Entries 14
Mean 0.2436
Std Dev 1.342
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

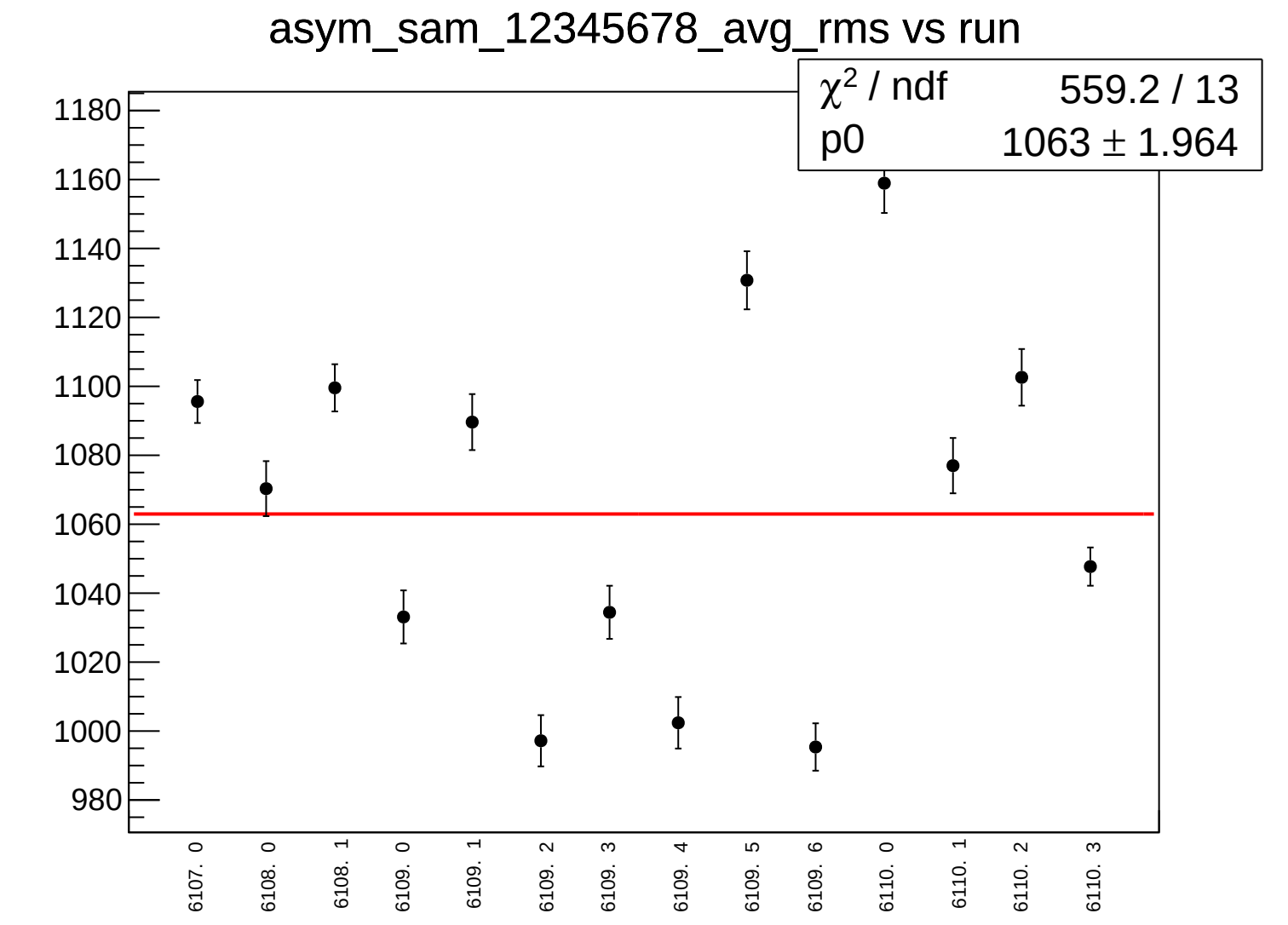

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 7.699e+04 / 13
p0 95.53 ± 0.2054
350
300
250
200
150
100
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

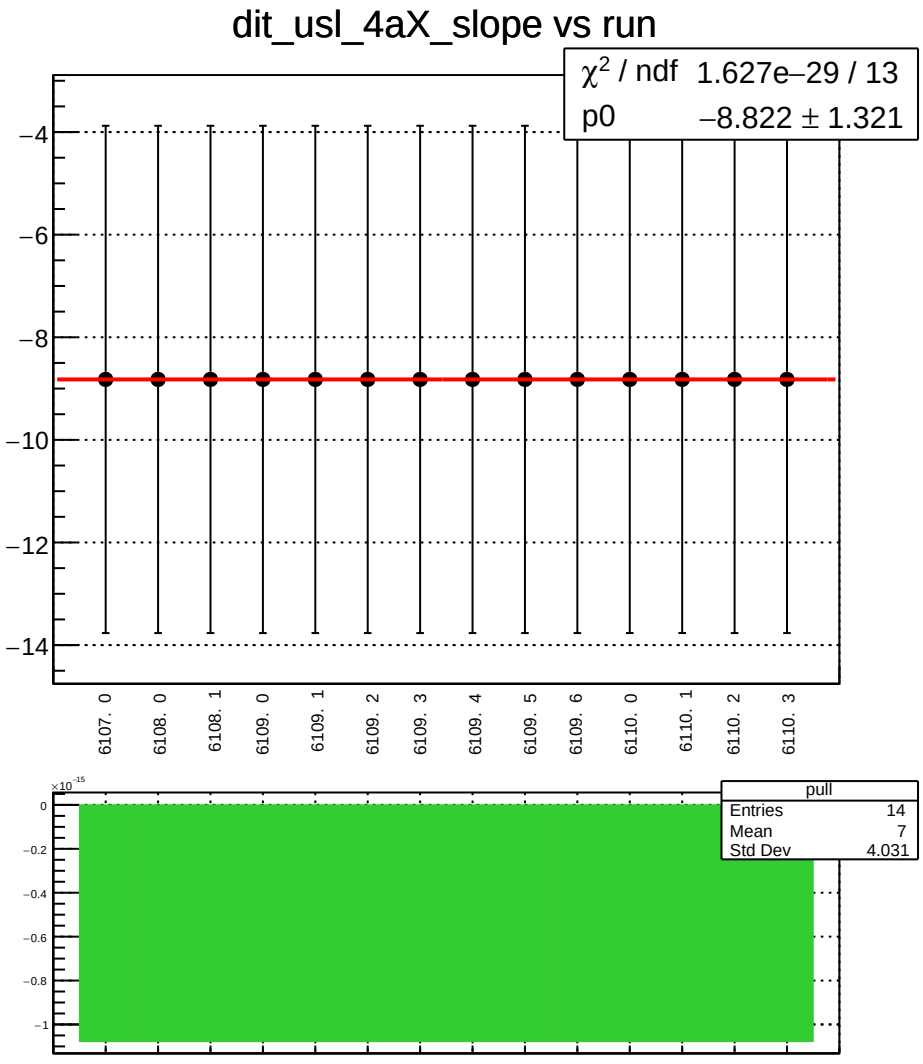

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 10.39 / 13
p0 −3061 ± 2464
20000
10000
0
−10000
−20000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 14.38
Std Dev 14.34
1.5
1
0.5
0
−0.5
−1

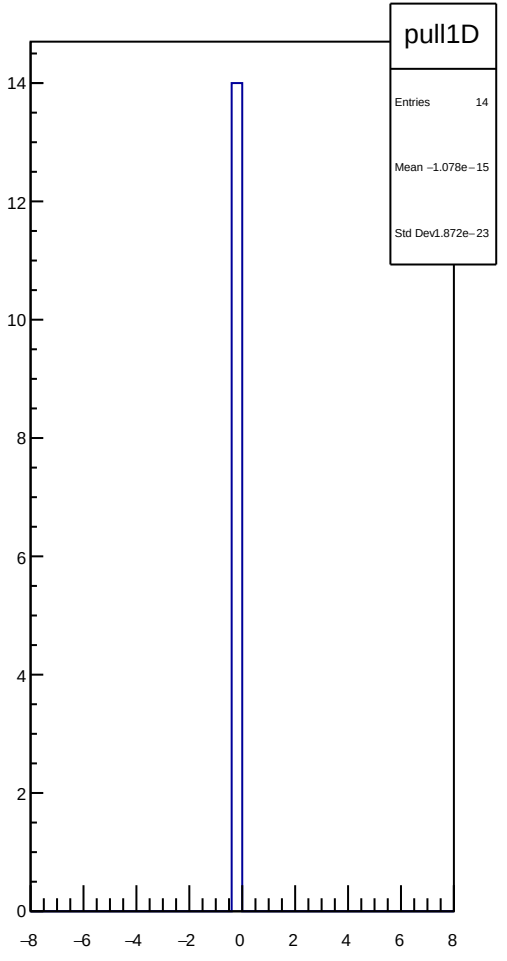

pull1D
Entries 14
Mean 0.01591
Std Dev 0.8615
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

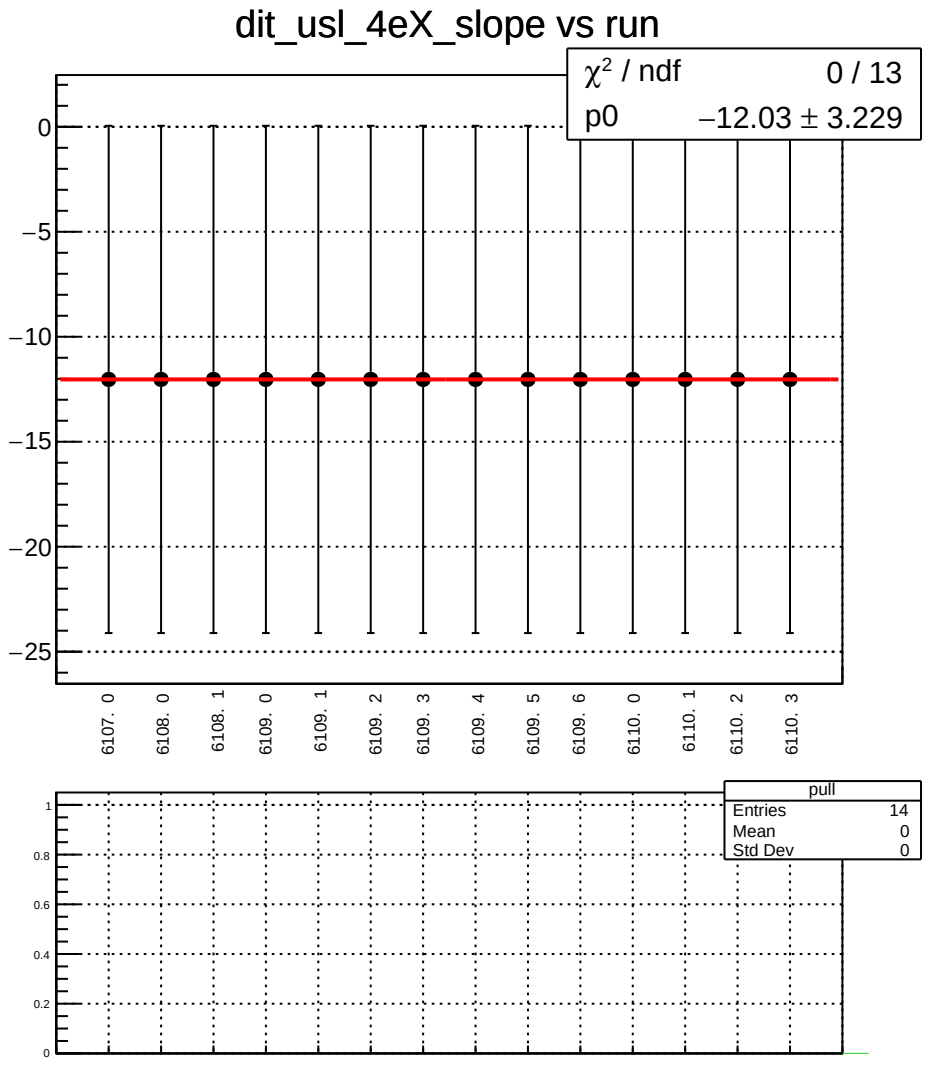

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 5501 / 13
p0 934.8 ± 1.742
1150
1100
1050
1000
950
900
850
800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

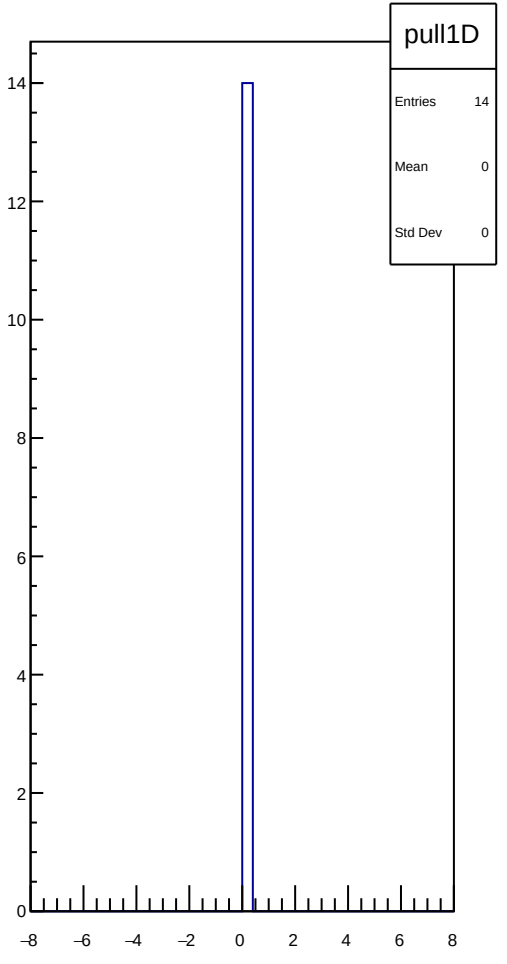

asym_sam_12345678_avg_mean vs run
χ² / ndf 12.84 / 13
p0 2751 ± 2778
30000
20000
10000
0
−10000
−20000
−30000
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −3.298
Std Dev 17.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.02007
Std Dev 0.9575
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

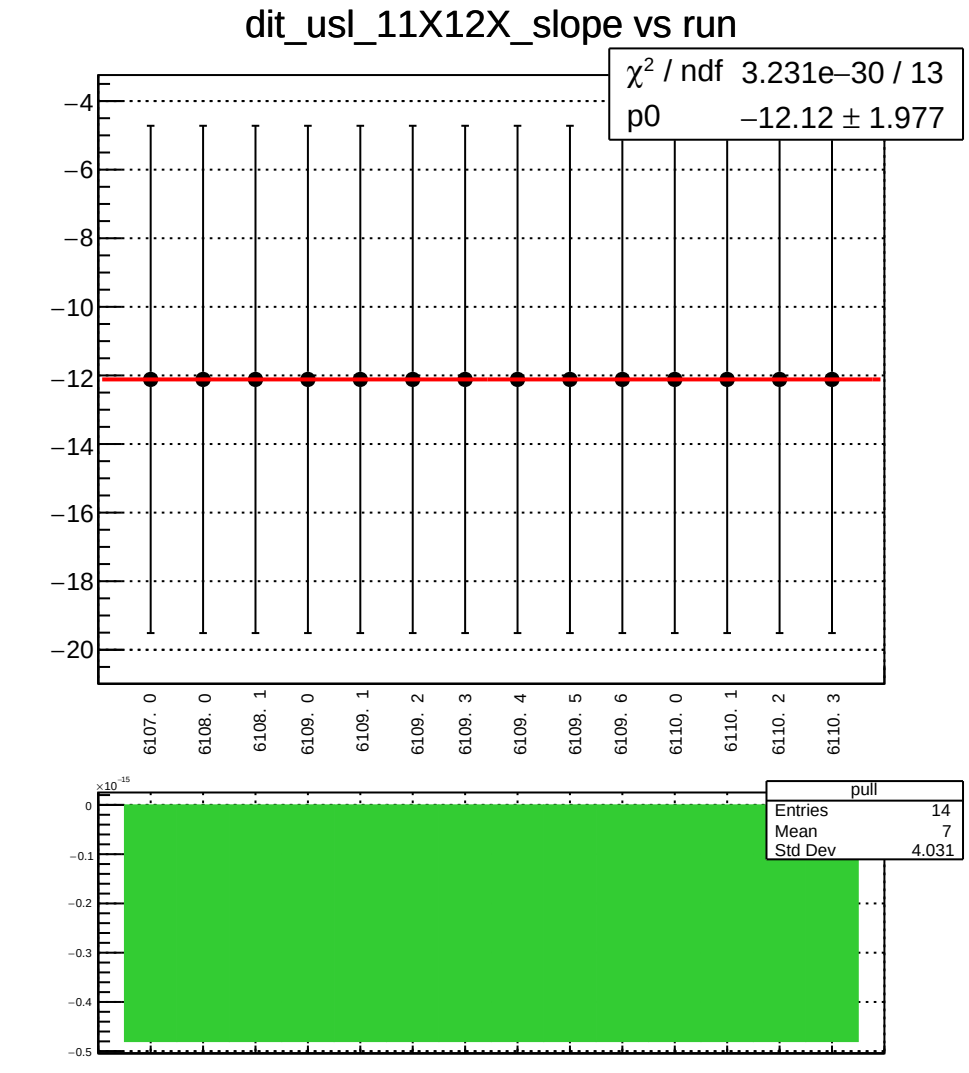

asym_sam_12345678_avg_rms vs run
χ² / ndf 559.2 / 13
p0 1063 ± 1.964
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

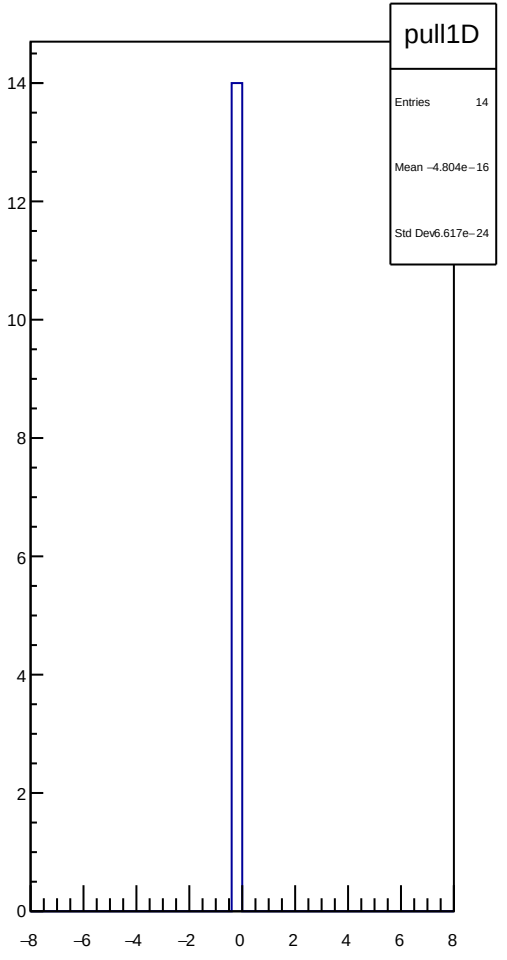

dit_usl_4aX_slope vs run
χ² / ndf 1.627e−29 / 13
p0 −8.822 ± 1.321
−4
−6
−8
−10
−12
−14
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
pull
Entries 14
Mean 7
Std Dev 4.031

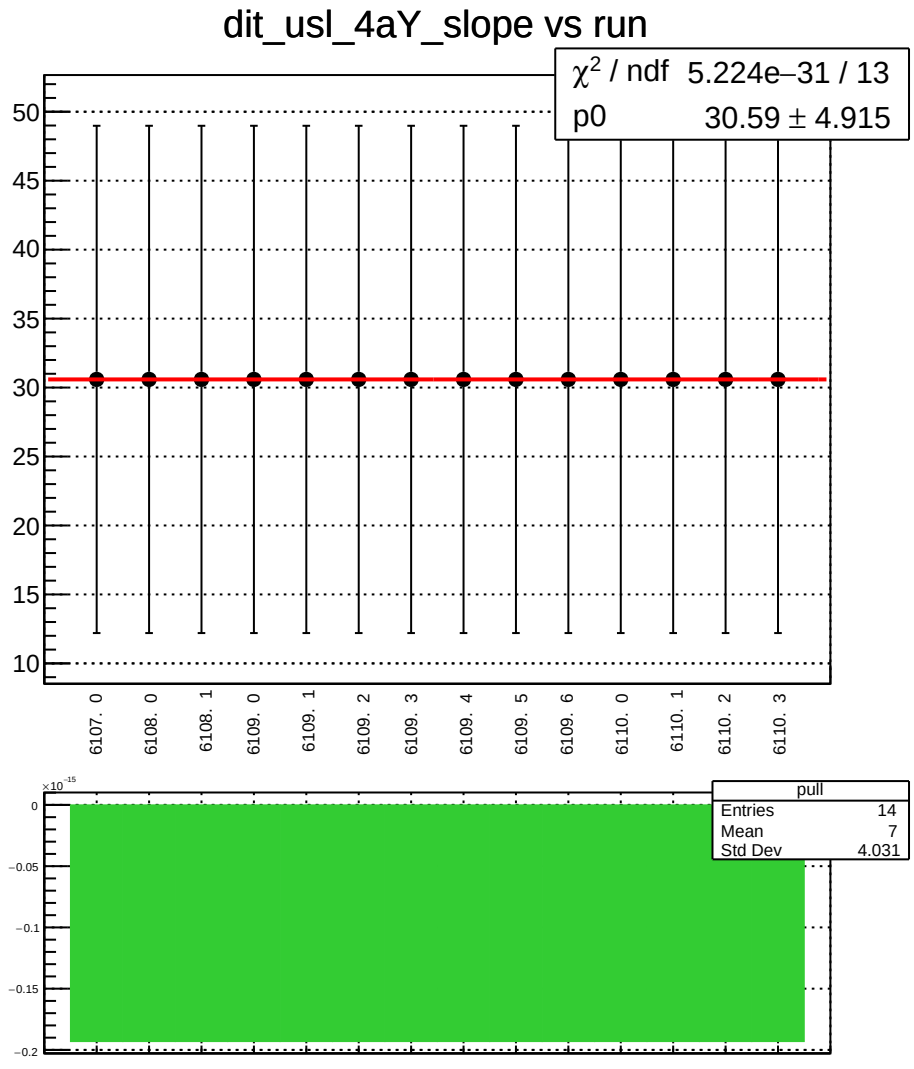

pull1D
Entries 14
Mean −1.078e−15
Std Dev1.872e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

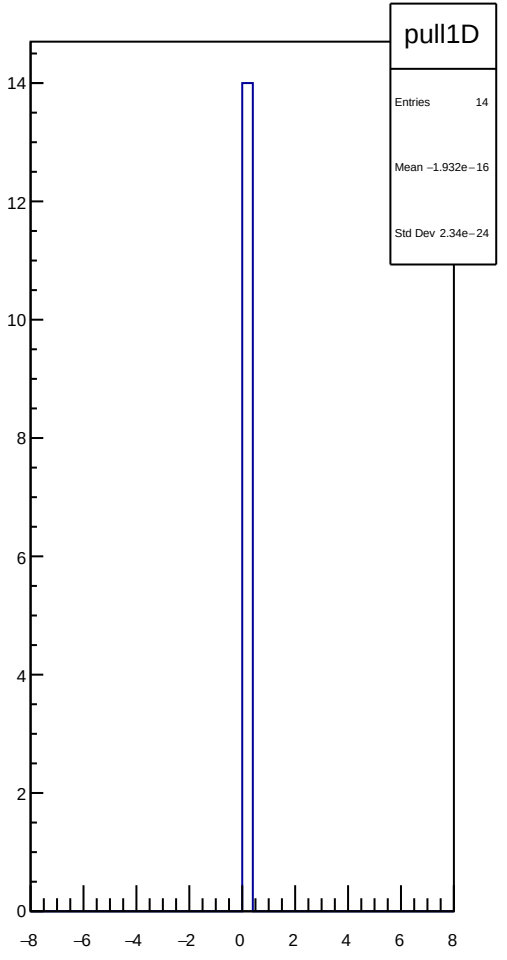

dit_usl_4eX_slope vs run
χ² / ndf 0 / 13
p0 −12.03 ± 3.229
0
−5
−10
−15
−20
−25
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

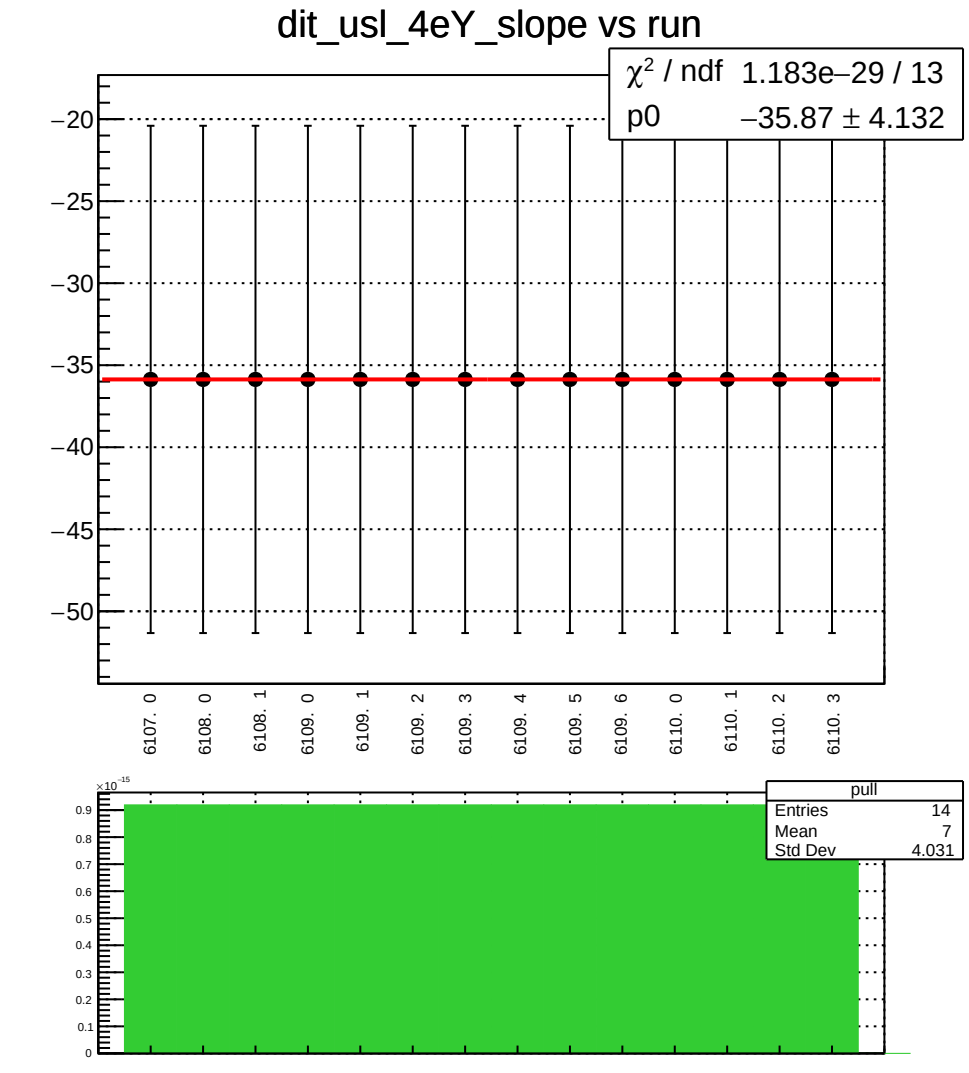

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

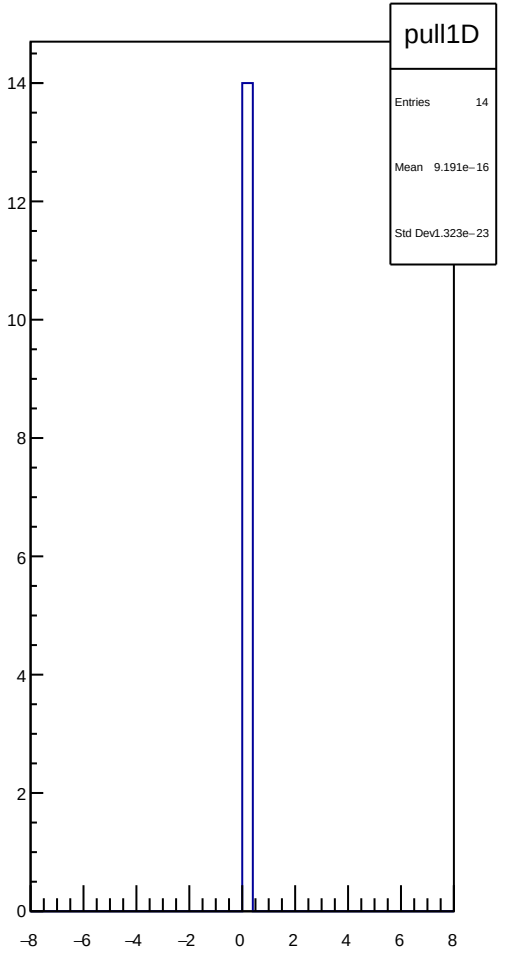

dit_usl_11X12X_slope vs run
χ² / ndf 3.231e−30 / 13
p0 −12.12 ± 1.977
−4
−6
−8
−10
−12
−14
−16
−18
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull
Entries 14
Mean 7
Std Dev 4.031

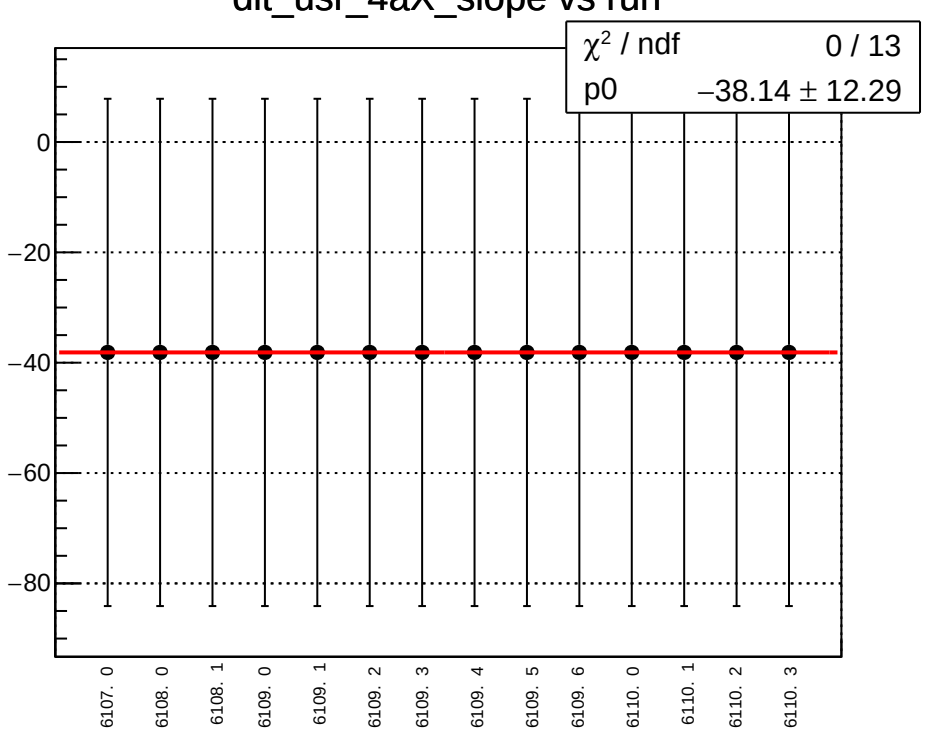

pull1D
Entries 14
Mean −4.804e−16
Std Dev 6.617e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

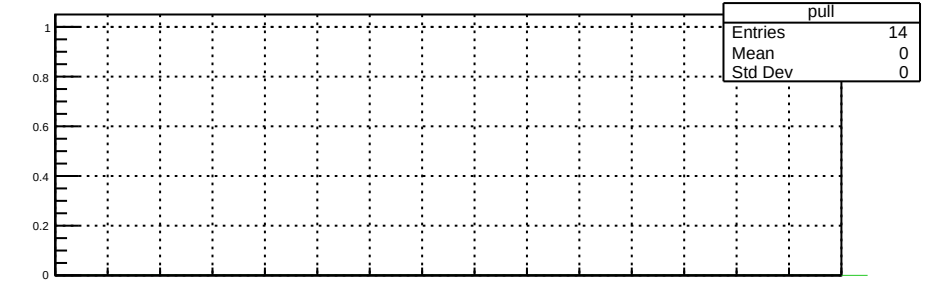

dit_usl_4aY_slope vs run
χ² / ndf 5.224e−31 / 13
p0 30.59 ± 4.915
50
45
40
35
30
25
20
15
10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 14
Mean 7
Std Dev 4.031

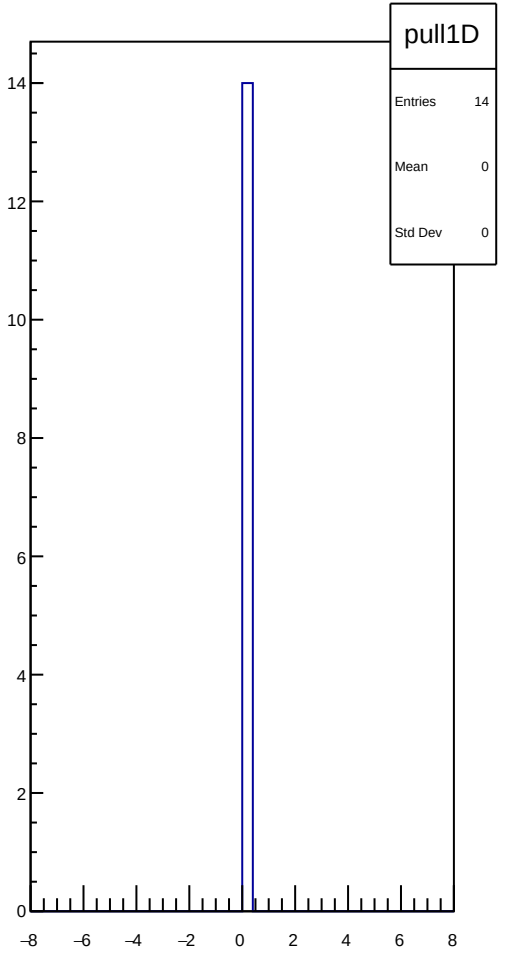

pull1D
Entries 14
Mean −1.932e−16
Std Dev 2.34e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

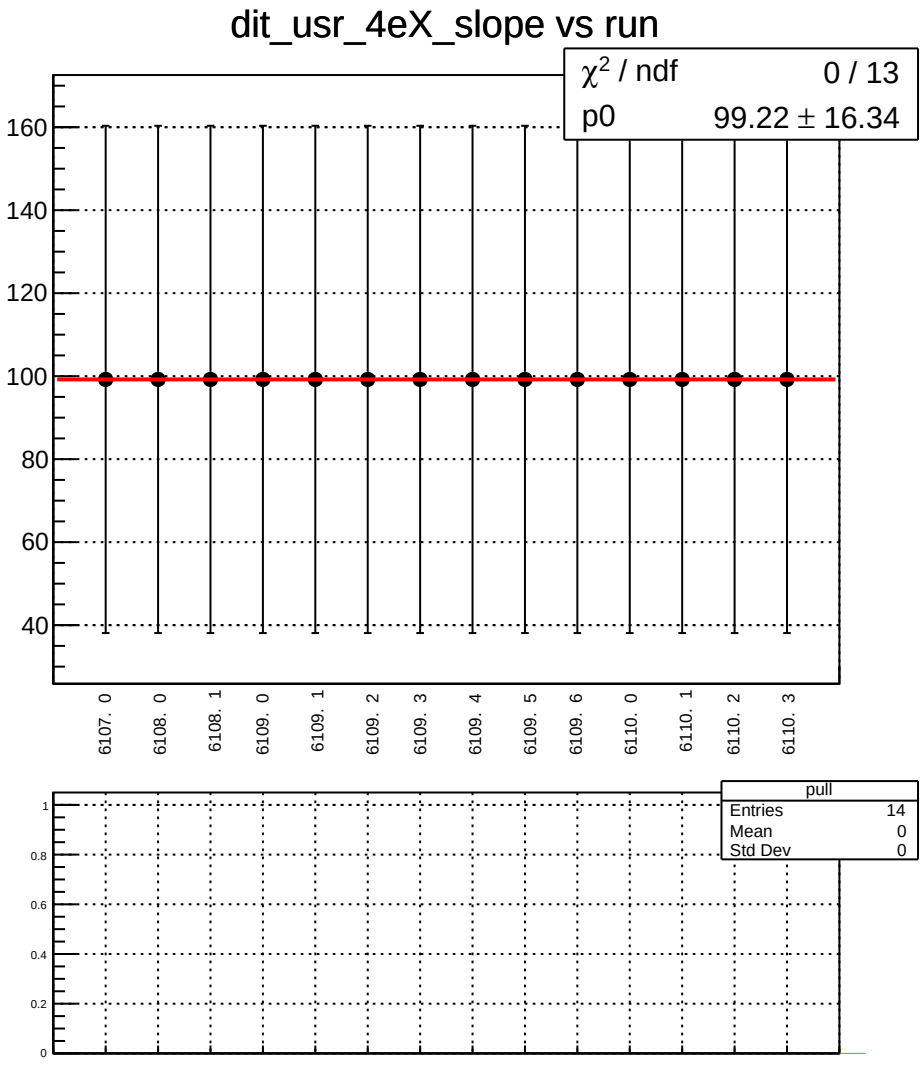

dit_usl_4eY_slope vs run
χ² / ndf 1.183e−29 / 13
p0 −35.87 ± 4.132
−20
−25
−30
−35
−40
−45
−50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 14
Mean 7
Std Dev 4.031

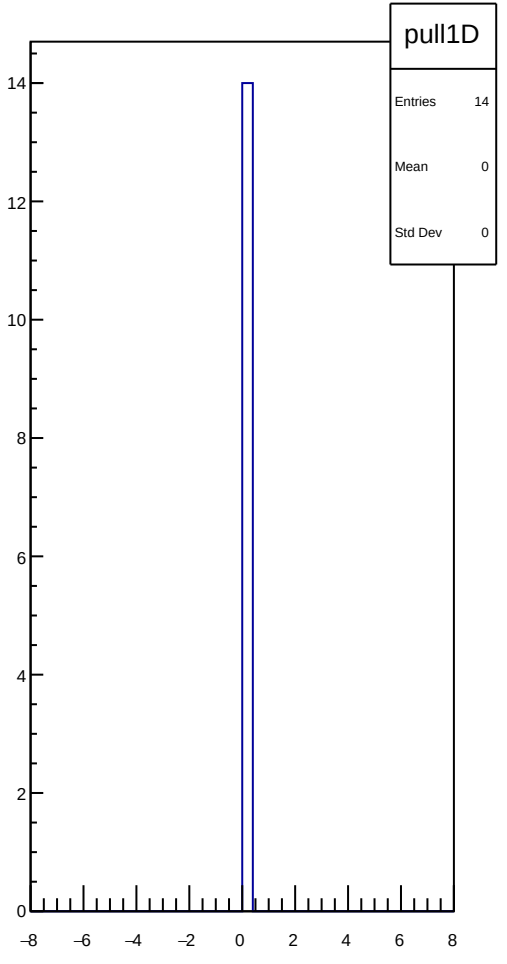

pull1D
Entries 14
Mean 9.191e−16
Std Dev1.323e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

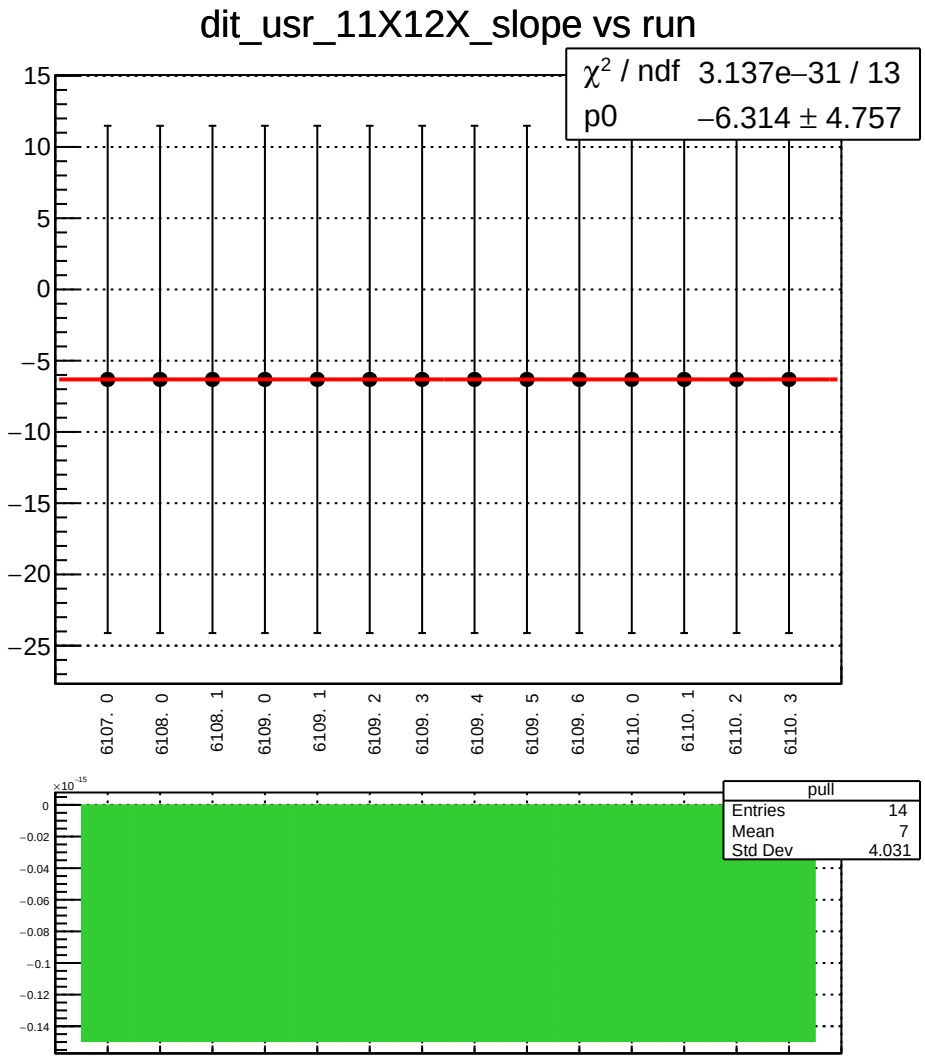

dit_usr_4aX_slope vs run
χ² / ndf 0 / 13
p0 −38.14 ± 12.29
0
−20
−40
−60
−80
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

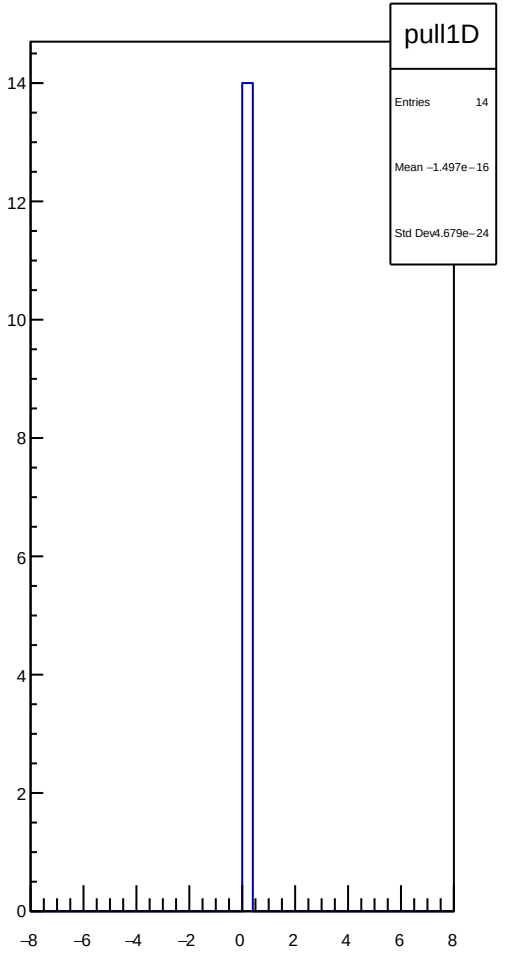

pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

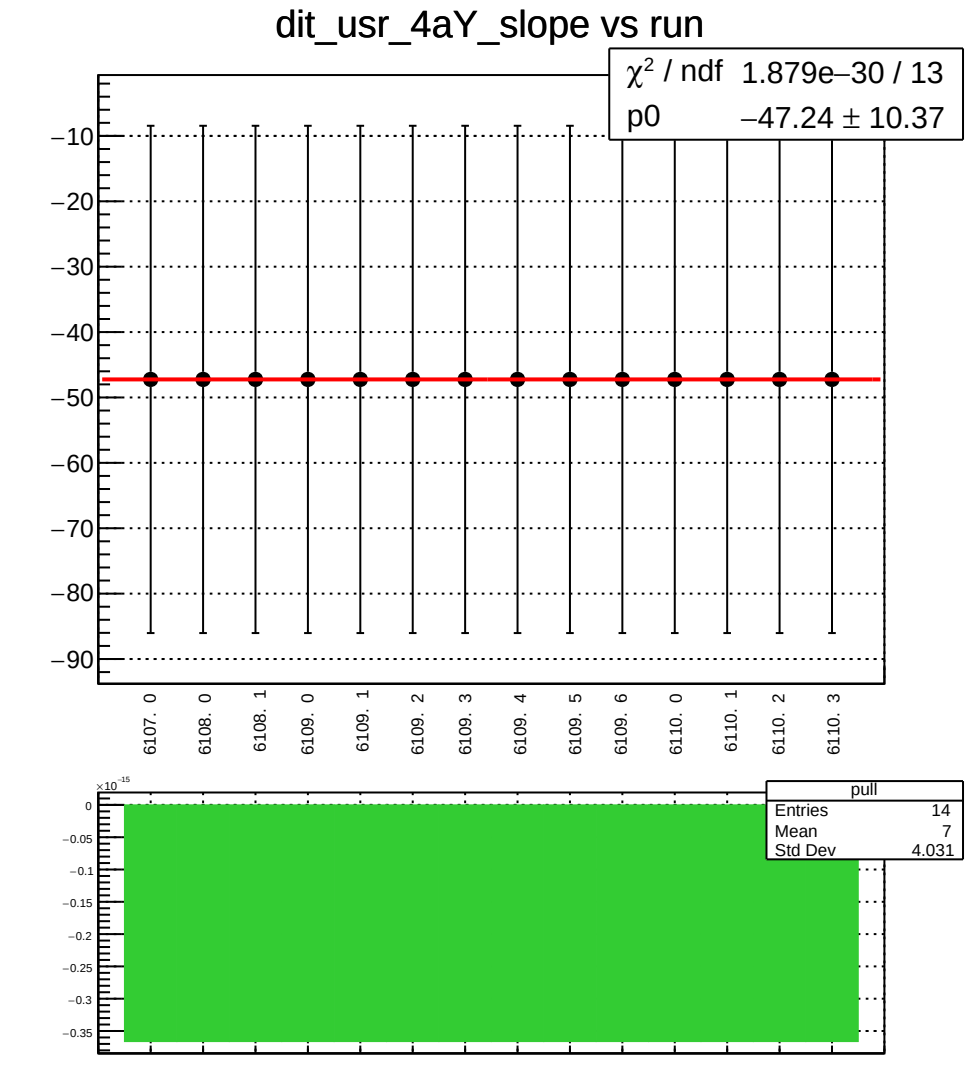

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

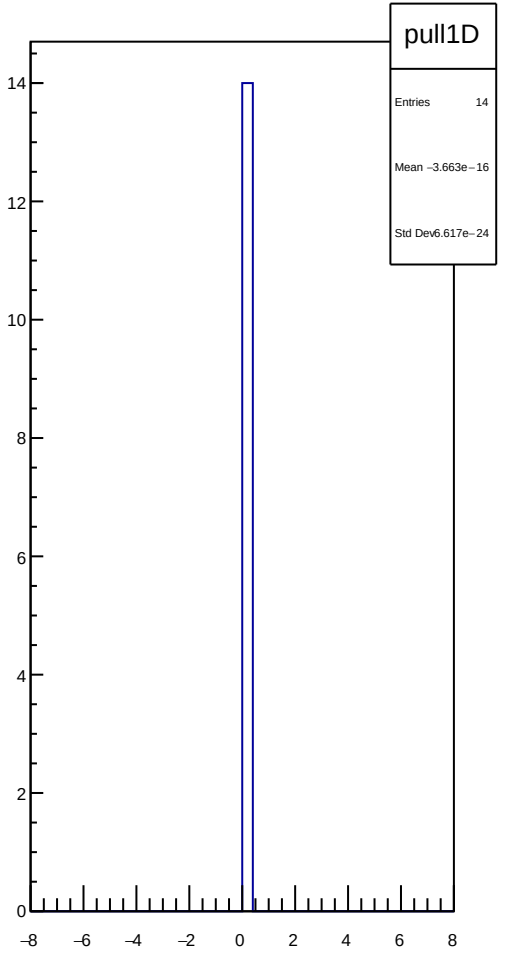

dit_usr_4eX_slope vs run
χ² / ndf 0 / 13
p0 99.22 ± 16.34
160
140
120
100
80
60
40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

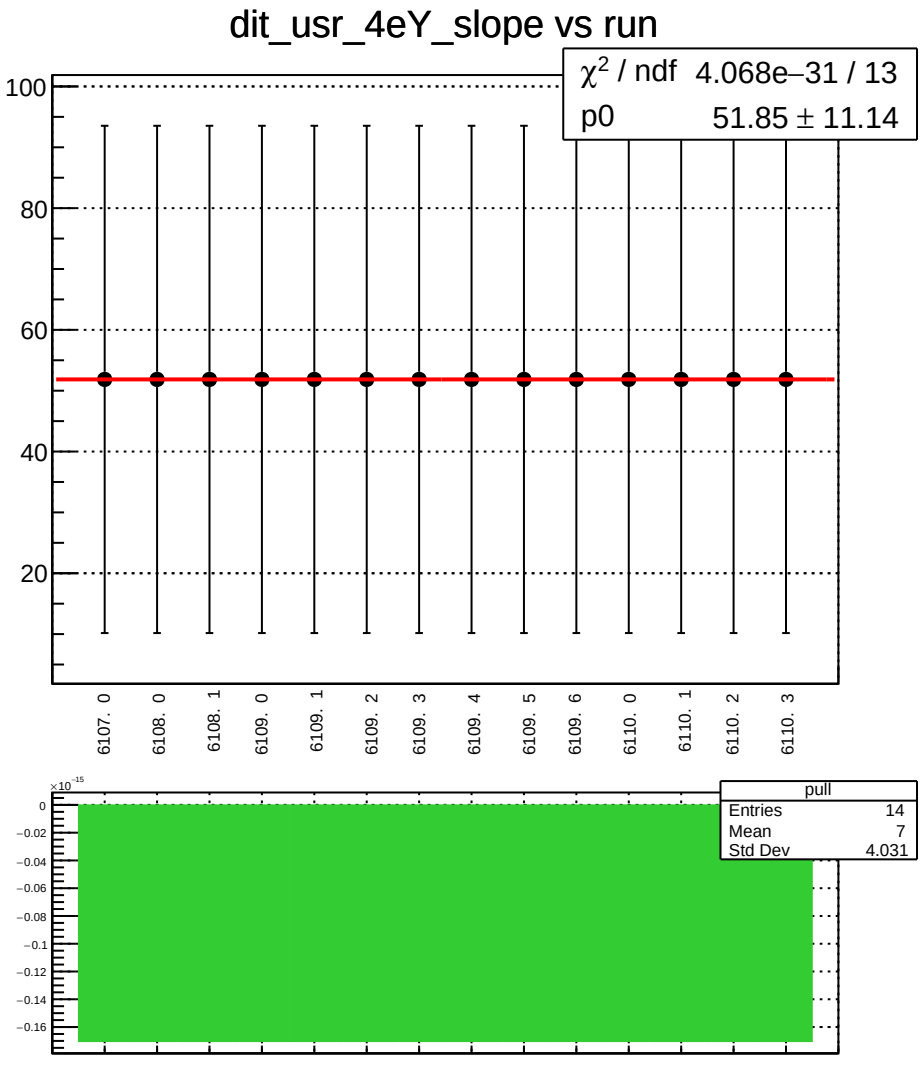

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

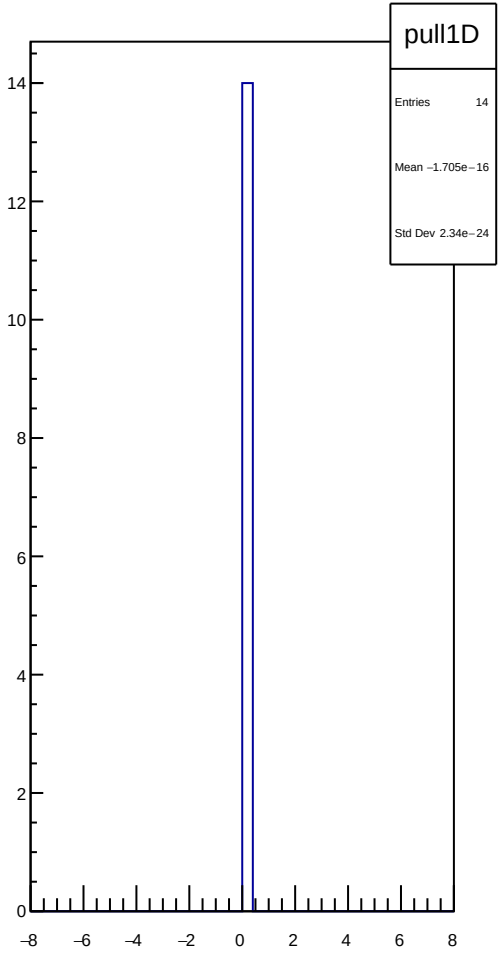

dit_usr_11X12X_slope vs run
χ² / ndf 3.137e−31 / 13
p0 −6.314 ± 4.757
15
10
5
0
−5
−10
−15
−20
−25
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 14
Mean 7
Std Dev 4.031

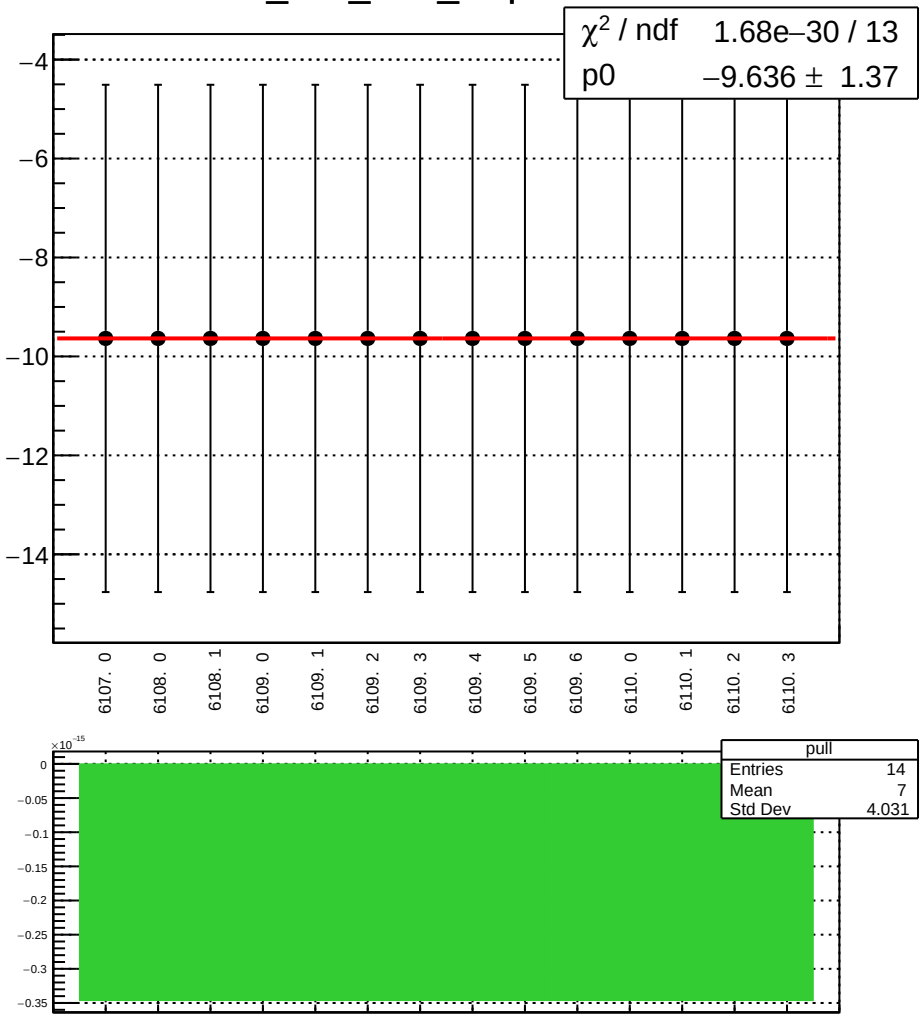

pull1D
Entries 14
Mean −1.497e−16
Std Dev4.679e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

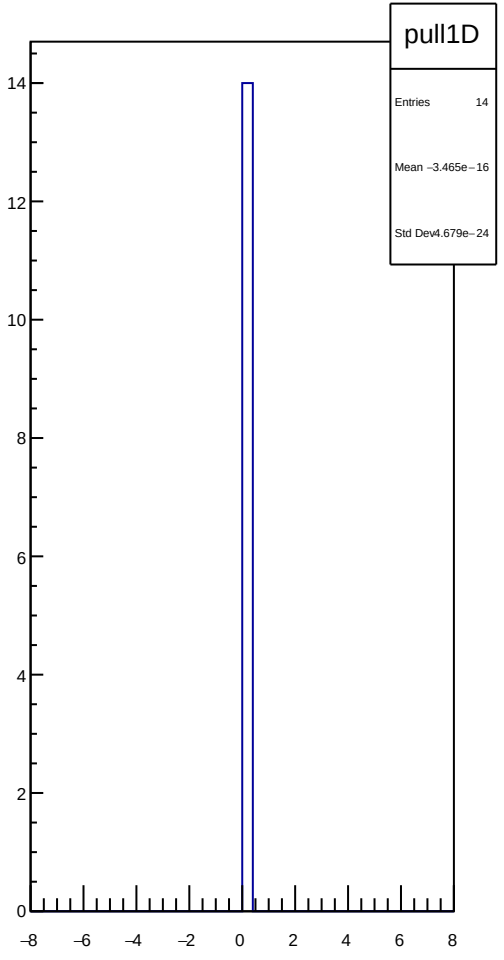

dit_usr_4aY_slope vs run
χ² / ndf 1.879e−30 / 13
p0 −47.24 ± 10.37
−10
−20
−30
−40
−50
−60
−70
−80
−90
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull
Entries 14
Mean 7
Std Dev 4.031

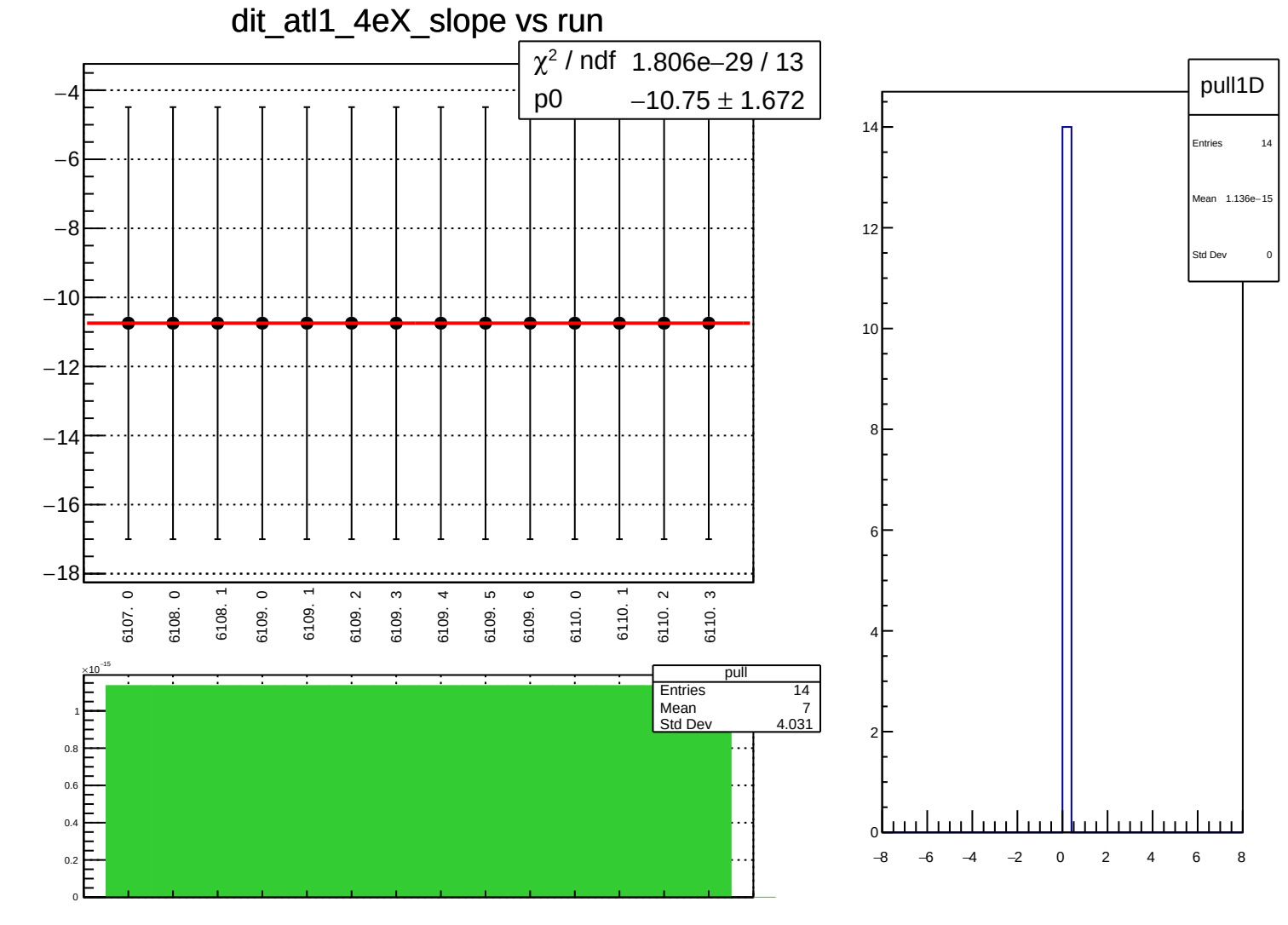

pull1D
Entries 14
Mean −3.663e−16
Std Dev 6.617e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

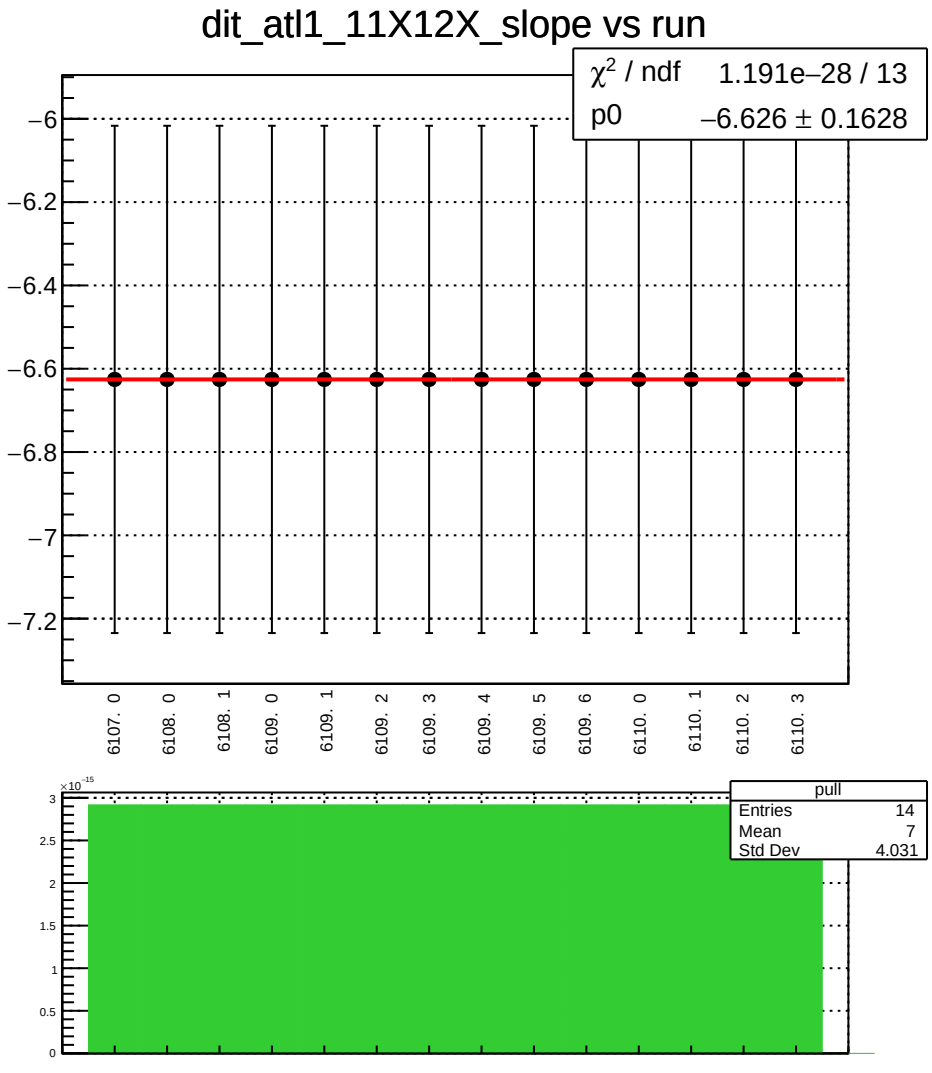

dit_usr_4eY_slope vs run
χ² / ndf 4.068e−31 / 13
p0 51.85 ± 11.14
100
80
60
40
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 14
Mean 7
Std Dev 4.031

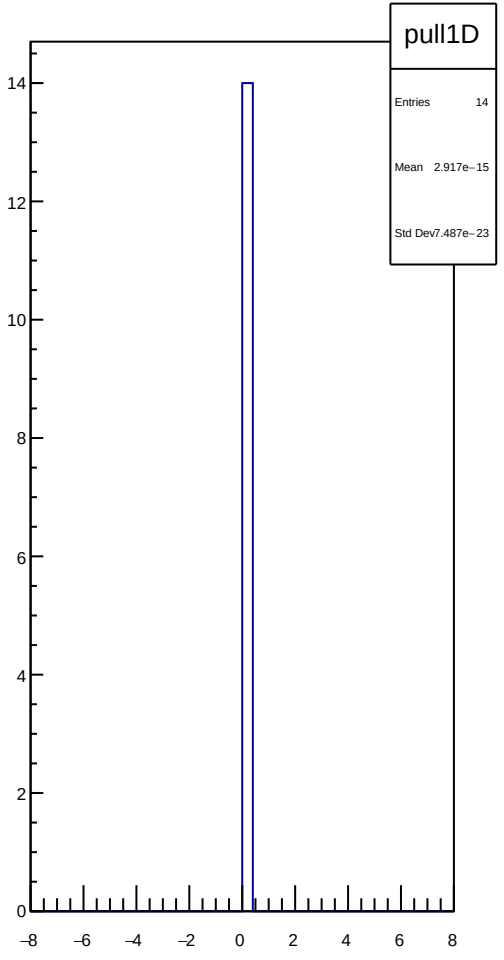

pull1D
Entries 14
Mean −1.705e−16
Std Dev 2.34e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

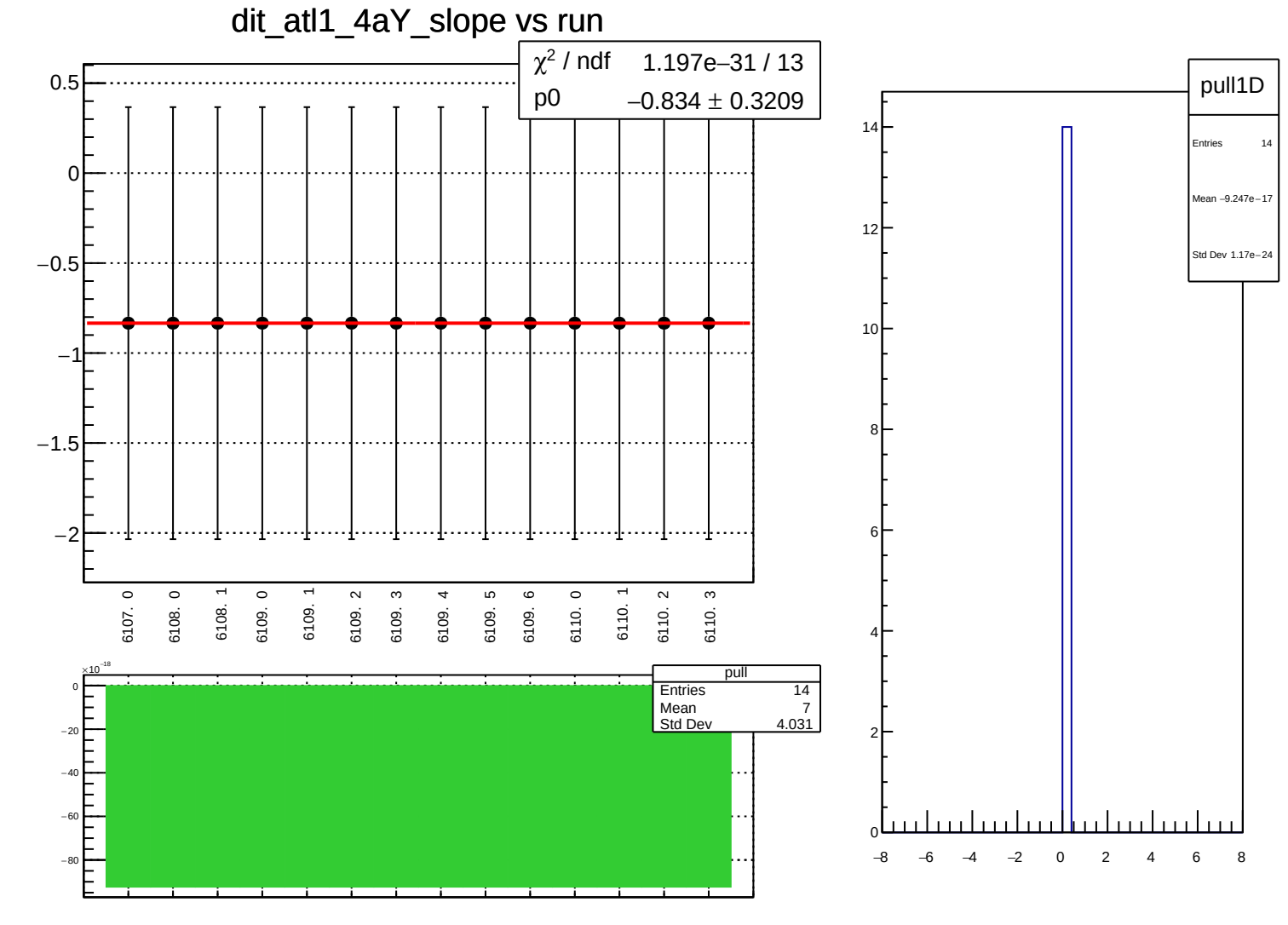

dit_atl1_4aX_slope vs run
χ² / ndf 1.68e−30 / 13
p0 −9.636 ± 1.37
−4
−6
−8
−10
−12
−14
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull
Entries 14
Mean 7
Std Dev 4.031

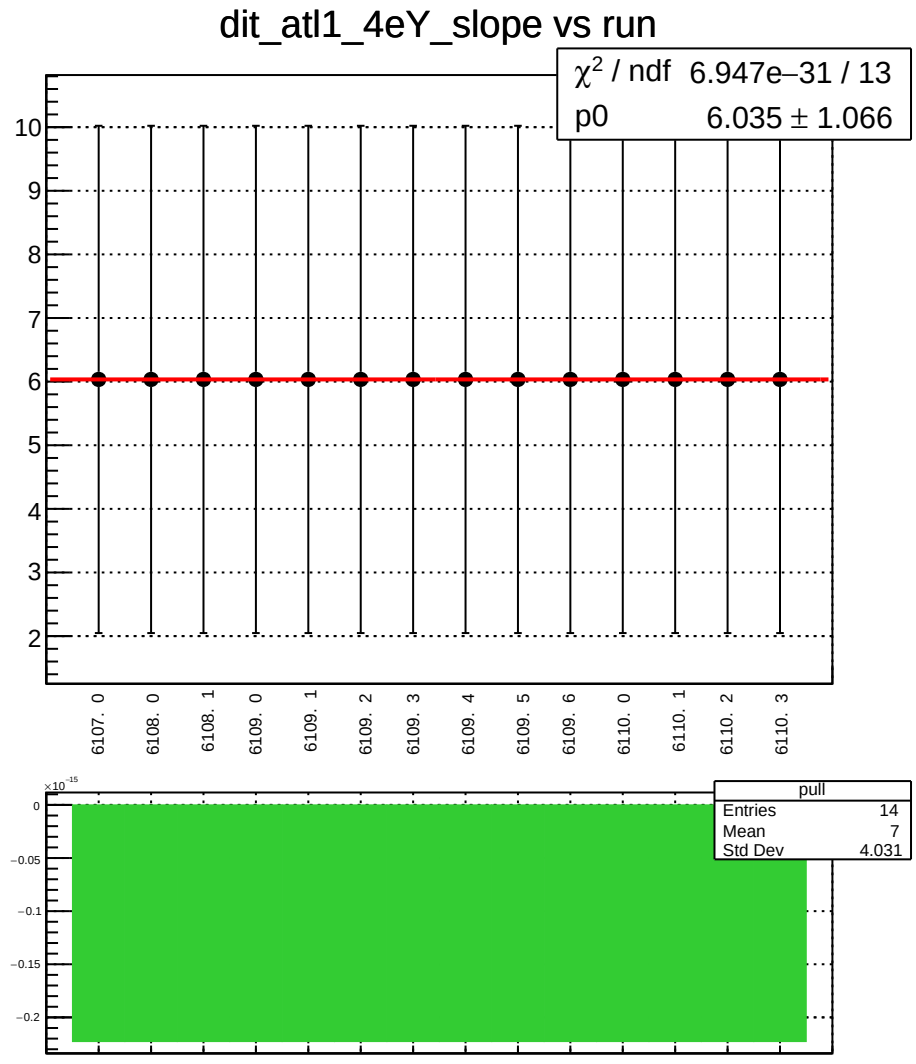

pull1D
Entries 14
Mean −3.465e−16
Std Dev 4.679e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

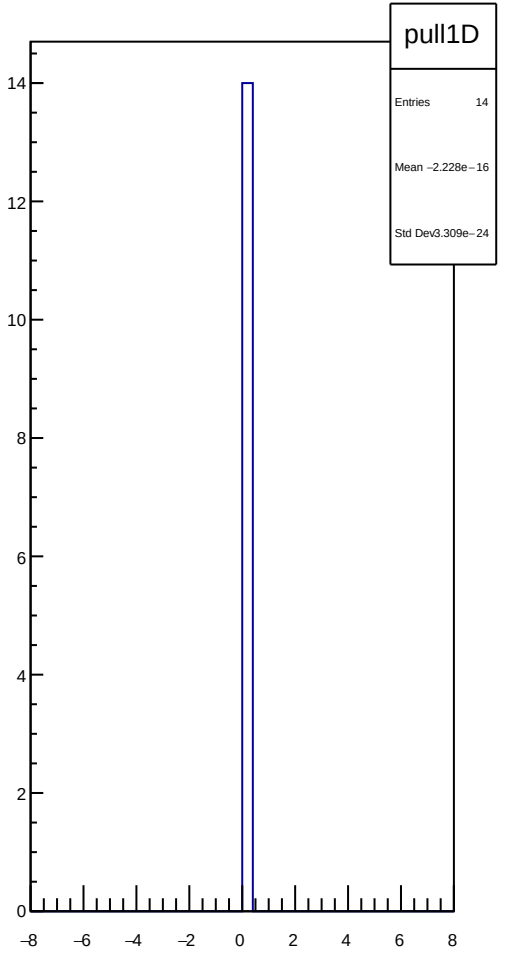

dit_atl1_4eX_slope vs run
χ² / ndf 1.806e−29 / 13
p0 −10.75 ± 1.672
−4
−6
−8
−10
−12
−14
−16
−18
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull
Entries 14
Mean 7
Std Dev 4.031
pull1D
Entries 14
Mean 1.136e−15
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

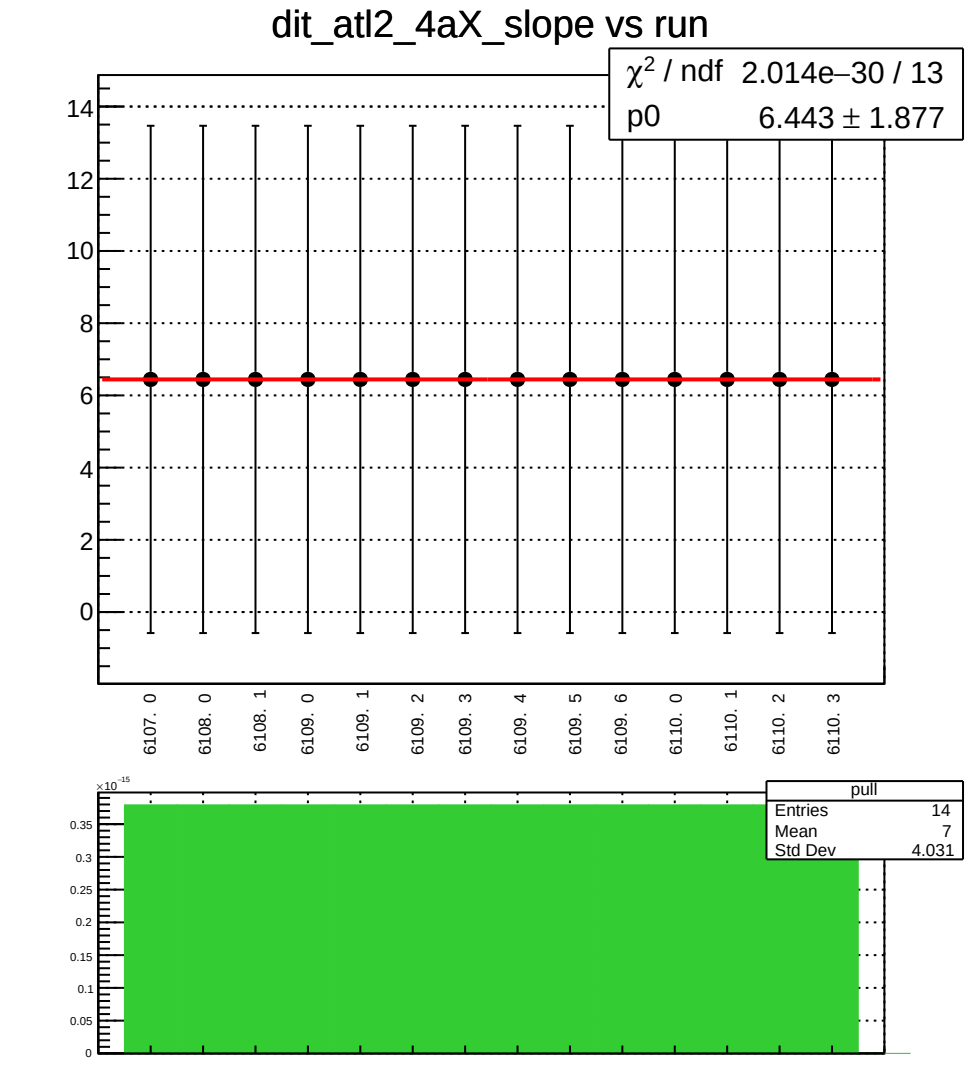

dit_atl1_11X12X_slope vs run
χ² / ndf 1.191e−28 / 13
p0 −6.626 ± 0.1628
−6
−6.2
−6.4
−6.6
−6.8
−7
−7.2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 14
Mean 7
Std Dev 4.031

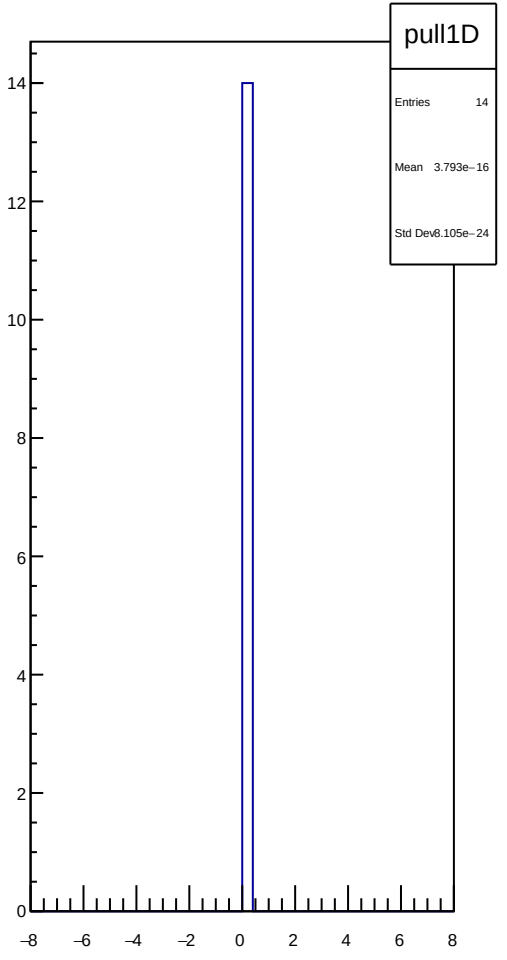

pull1D
Entries 14
Mean 2.917e−15
Std Dev7.487e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

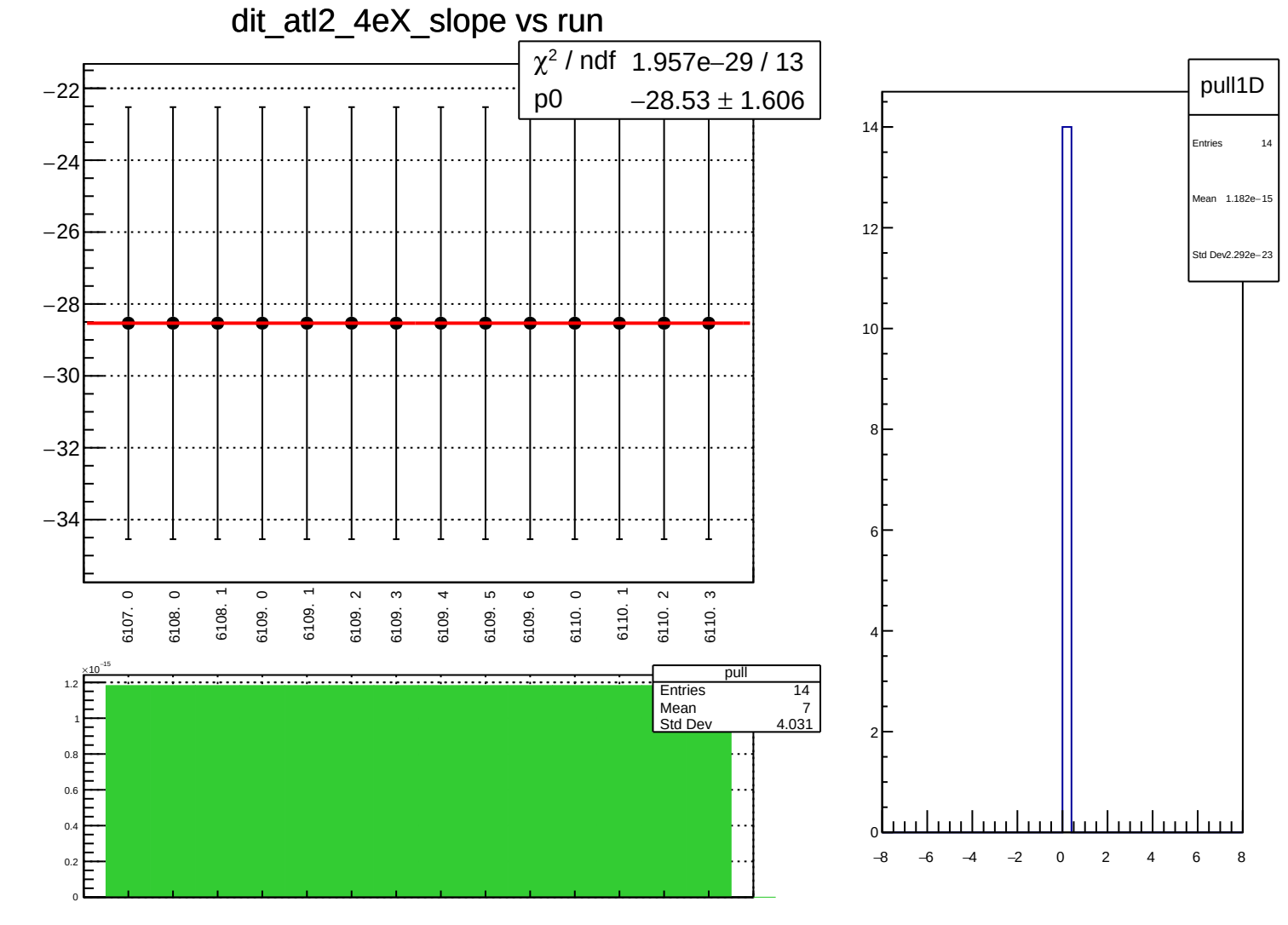

dit_atl1_4aY_slope vs run
χ² / ndf 1.197e−31 / 13
p0 −0.834 ± 0.3209
0.5
0
−0.5
−1
−1.5
−2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁸
0
−20
−40
−60
−80
pull
Entries 14
Mean 7
Std Dev 4.031
pull1D
Entries 14
Mean −9.247e−17
Std Dev 1.17e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

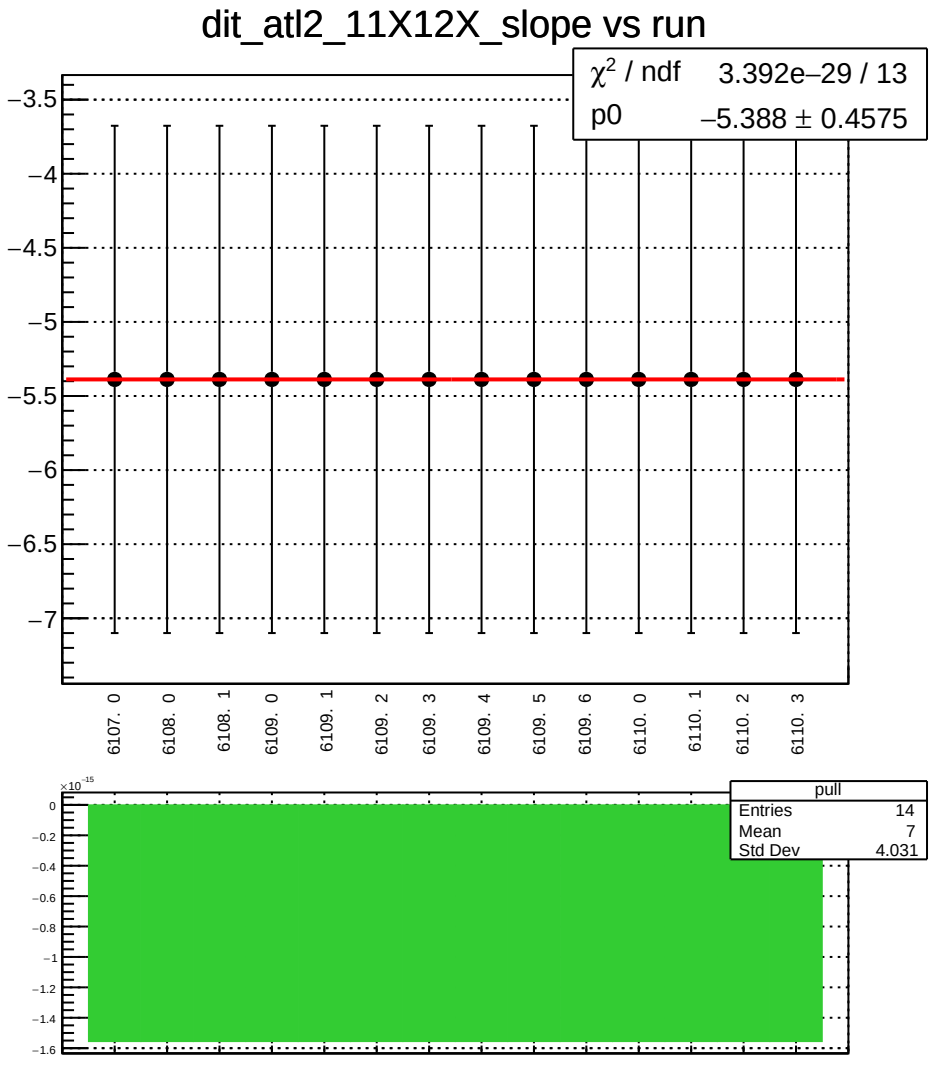

dit_atl1_4eY_slope vs run
χ² / ndf 6.947e−31 / 13
p0 6.035 ± 1.066
10
9
8
7
6
5
4
3
2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 14
Mean 7
Std Dev 4.031

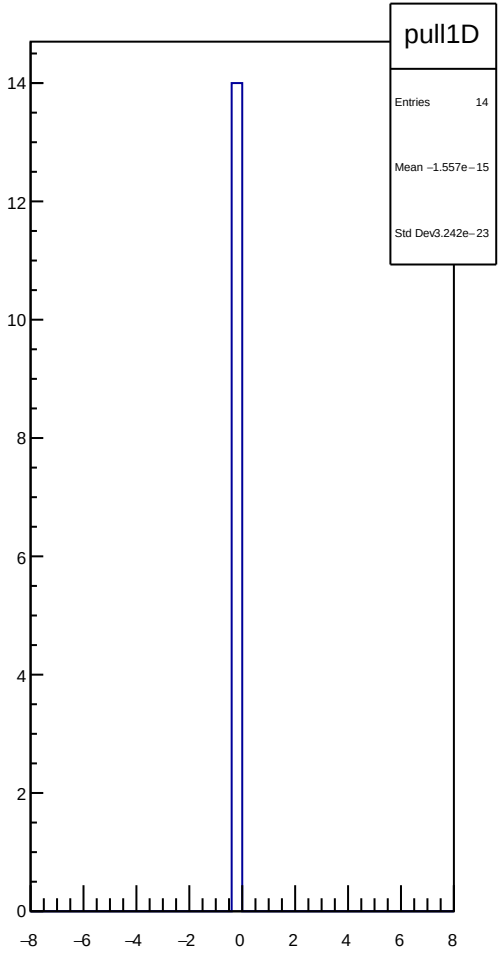

pull1D
Entries 14
Mean −2.228e−16
Std Dev3.309e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

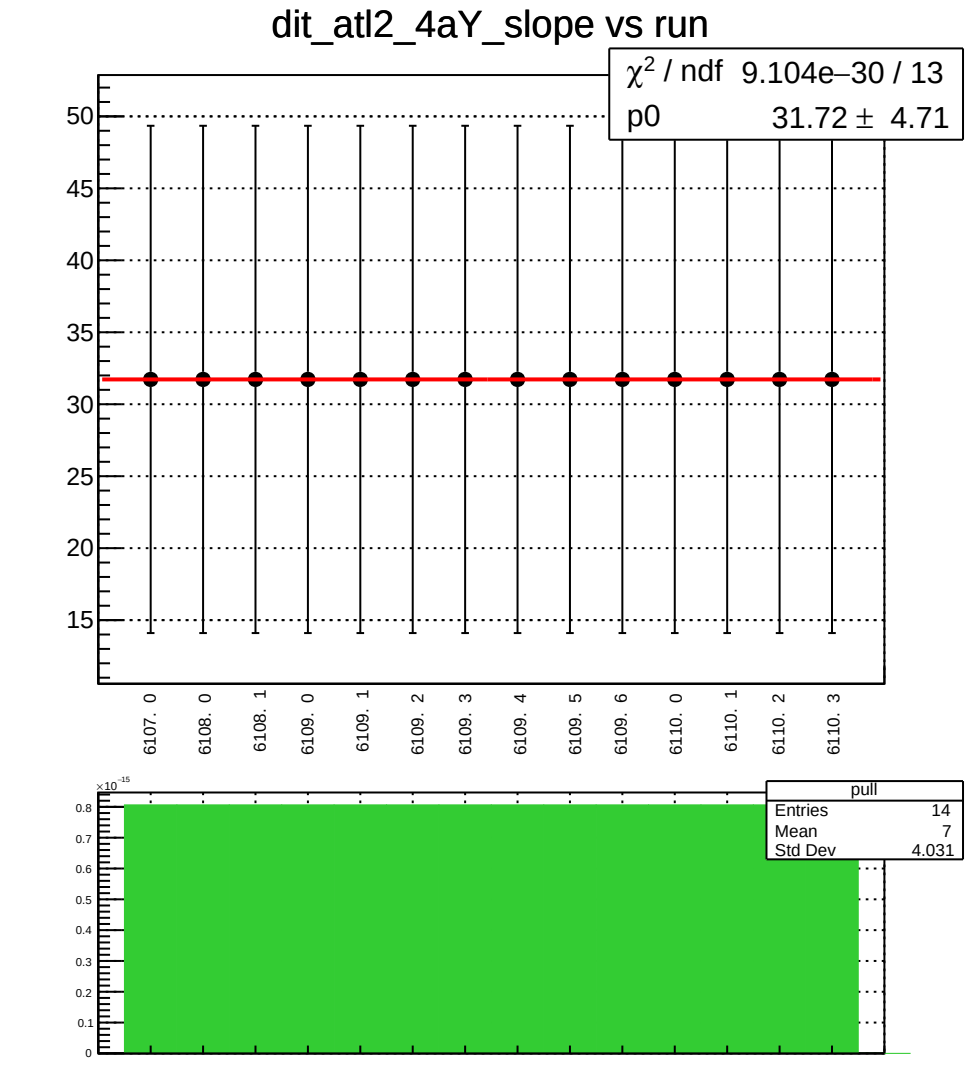

dit_atl2_4aX_slope vs run
χ² / ndf 2.014e−30 / 13
p0 6.443 ± 1.877
14
12
10
8
6
4
2
0
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 14
Mean 7
Std Dev 4.031

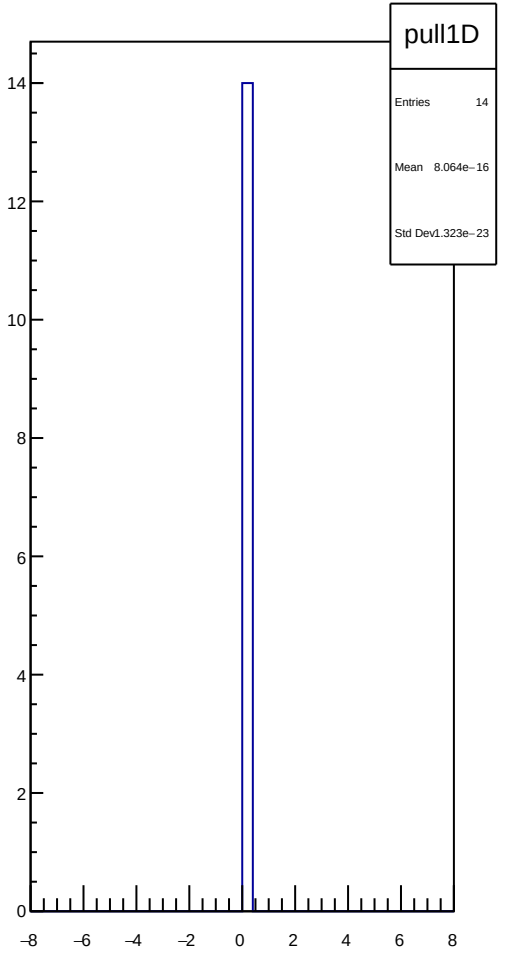

pull1D
Entries 14
Mean 3.793e−16
Std Dev 8.105e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

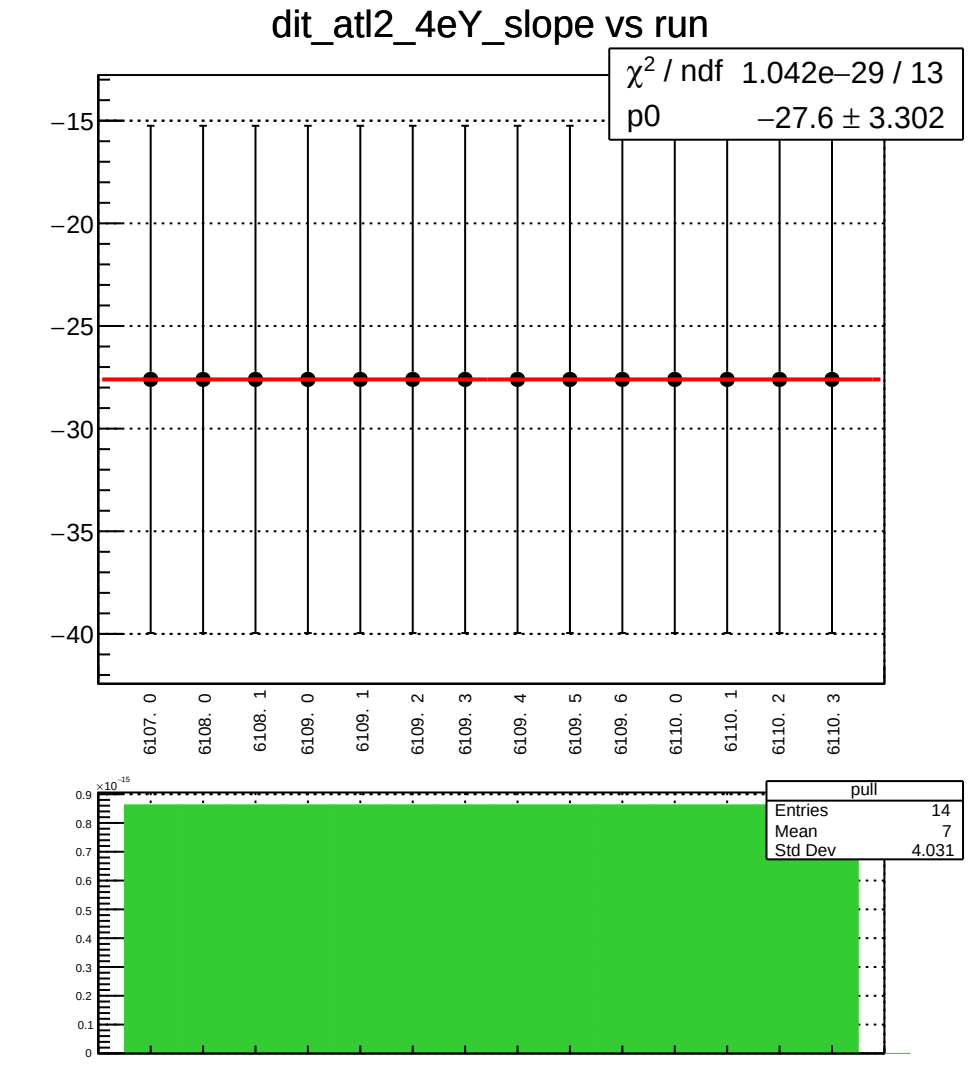

dit_atl2_4eX_slope vs run
χ² / ndf 1.957e−29 / 13
p0 −28.53 ± 1.606
−22
−24
−26
−28
−30
−32
−34
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 14
Mean 7
Std Dev 4.031
pull1D
Entries 14
Mean 1.182e−15
Std Dev 2.292e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

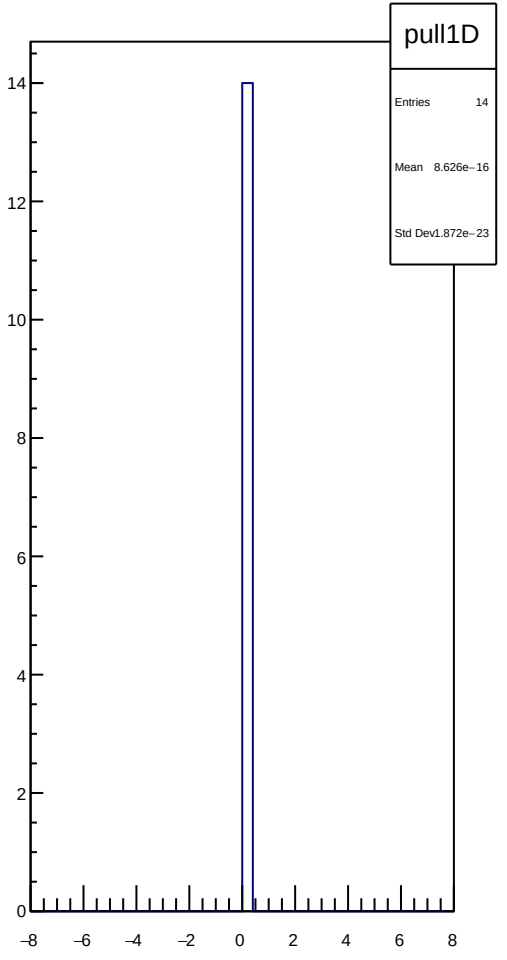

dit_atl2_11X12X_slope vs run
χ² / ndf 3.392e−29 / 13
p0 −5.388 ± 0.4575
−3.5
−4
−4.5
−5
−5.5
−6
−6.5
−7
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull
Entries 14
Mean 7
Std Dev 4.031

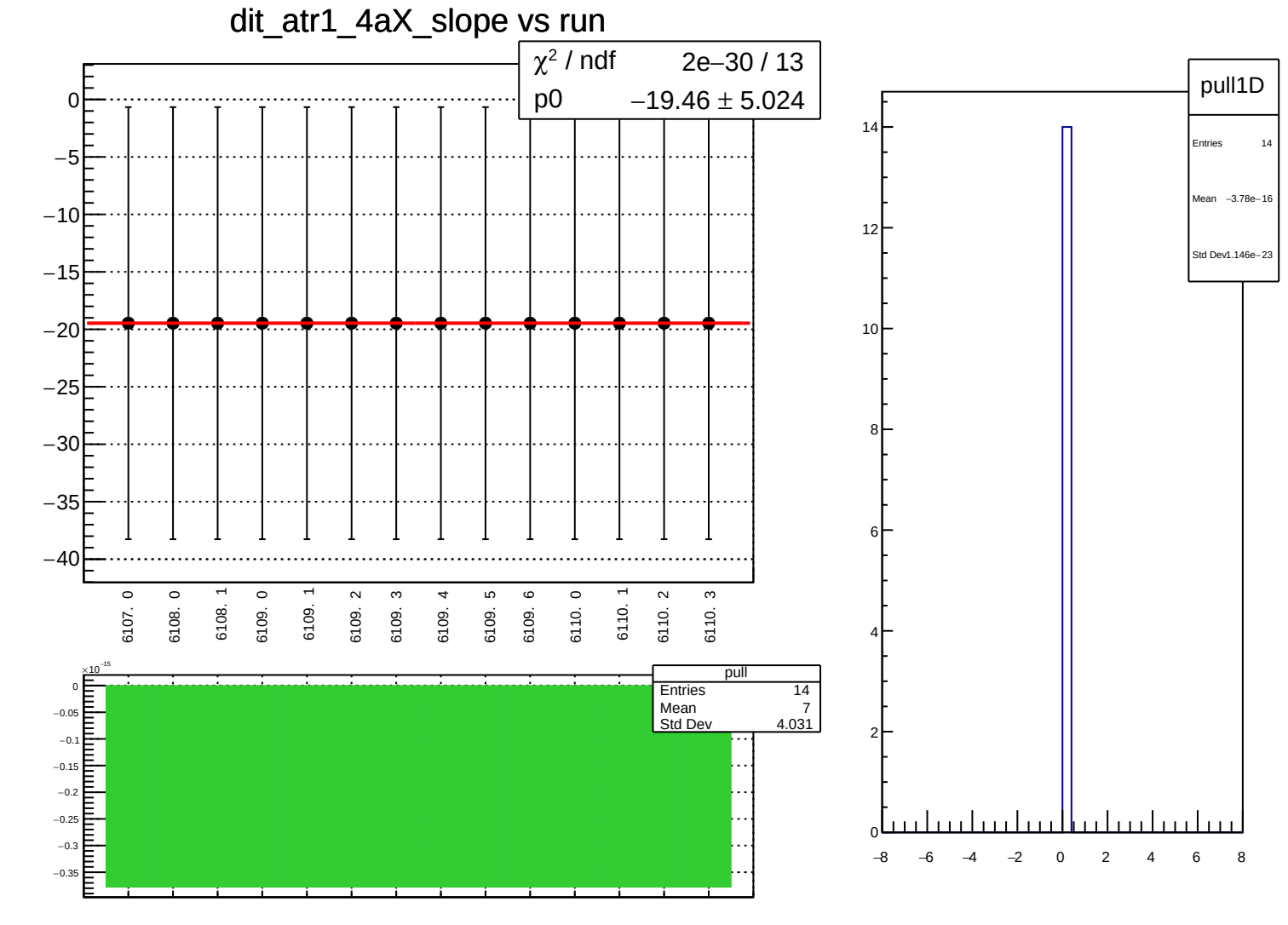

pull1D
Entries 14
Mean −1.557e−15
Std Dev3.242e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

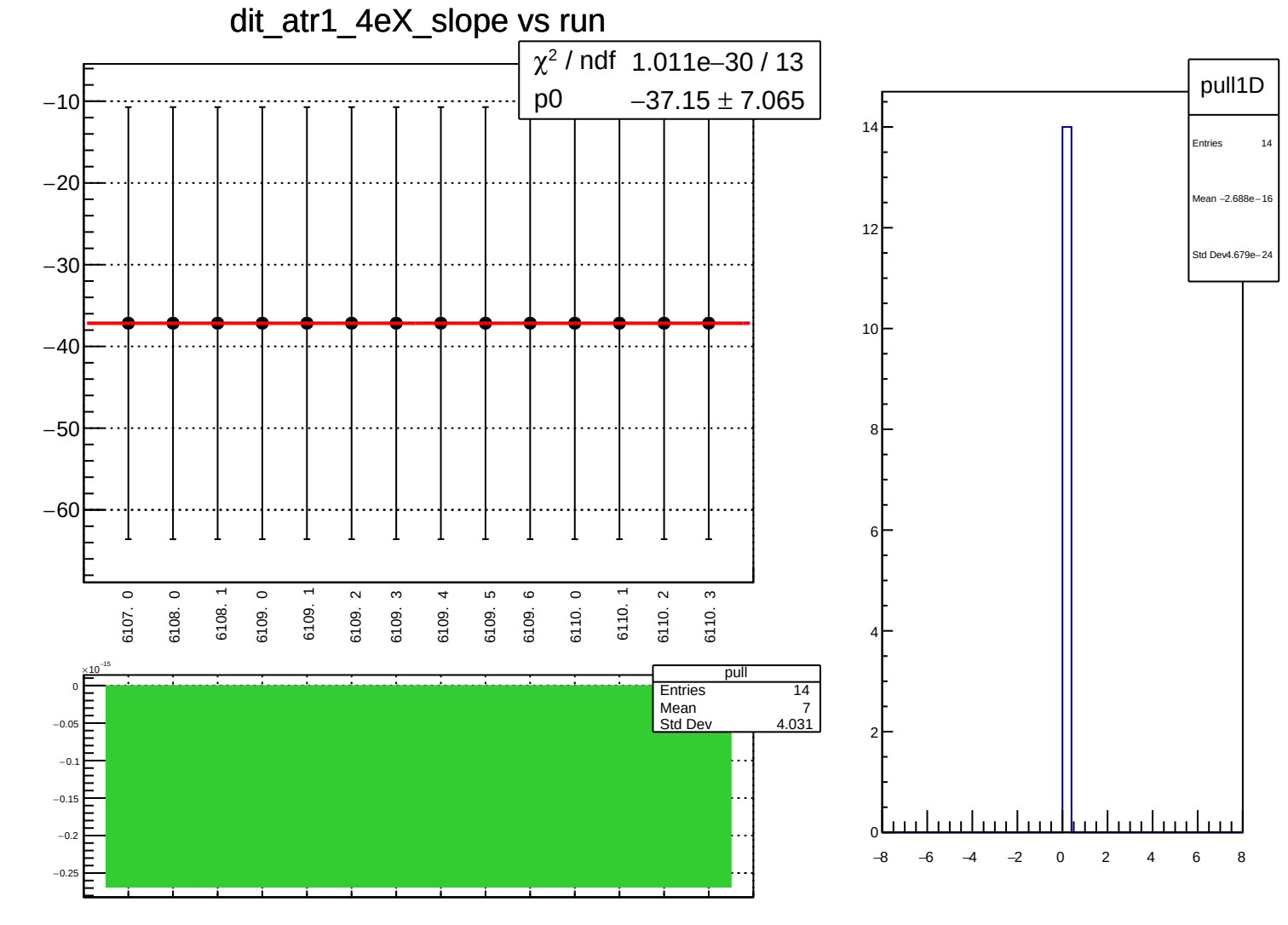

dit_atl2_4aY_slope vs run
χ² / ndf 9.104e−30 / 13
p0 31.72 ± 4.71
50
45
40
35
30
25
20
15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 14
Mean 7
Std Dev 4.031

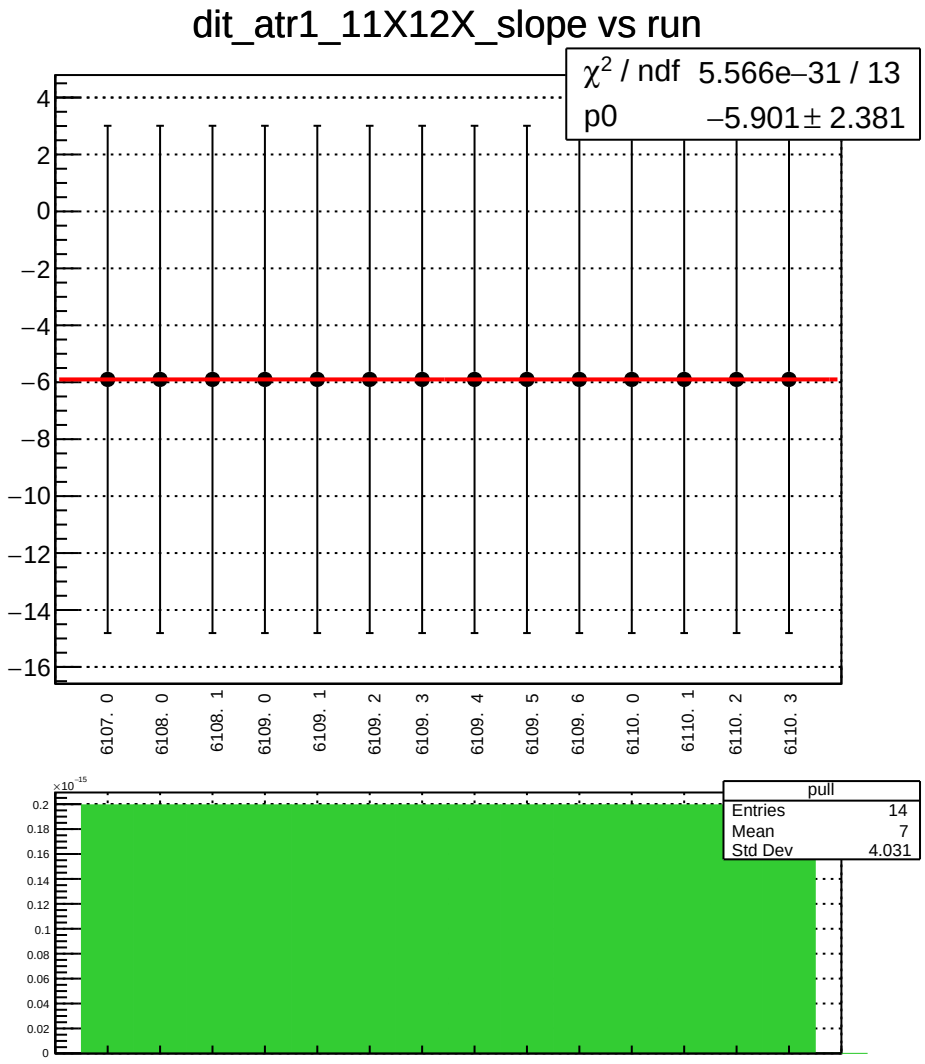

pull1D
Entries 14
Mean 8.064e−16
Std Dev1.323e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

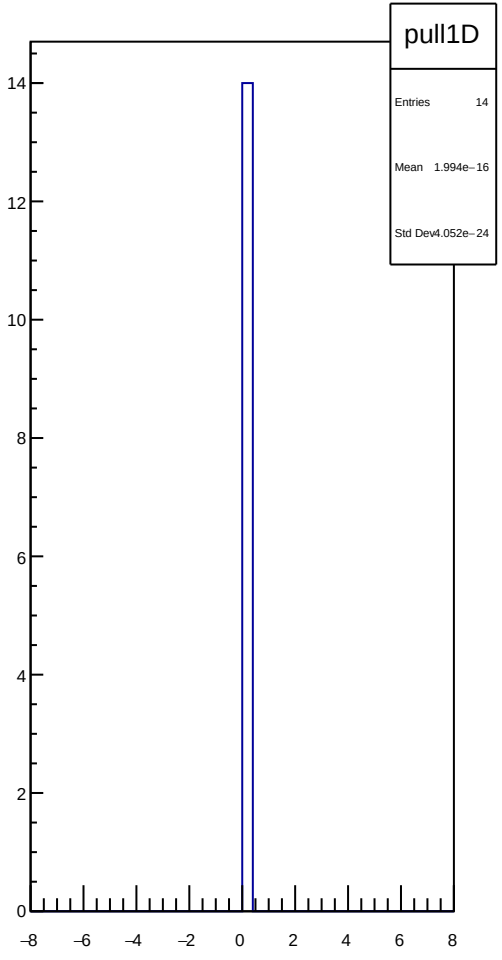

dit_atl2_4eY_slope vs run
χ² / ndf 1.042e−29 / 13
p0 −27.6 ± 3.302
−15
−20
−25
−30
−35
−40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 14
Mean 7
Std Dev 4.031

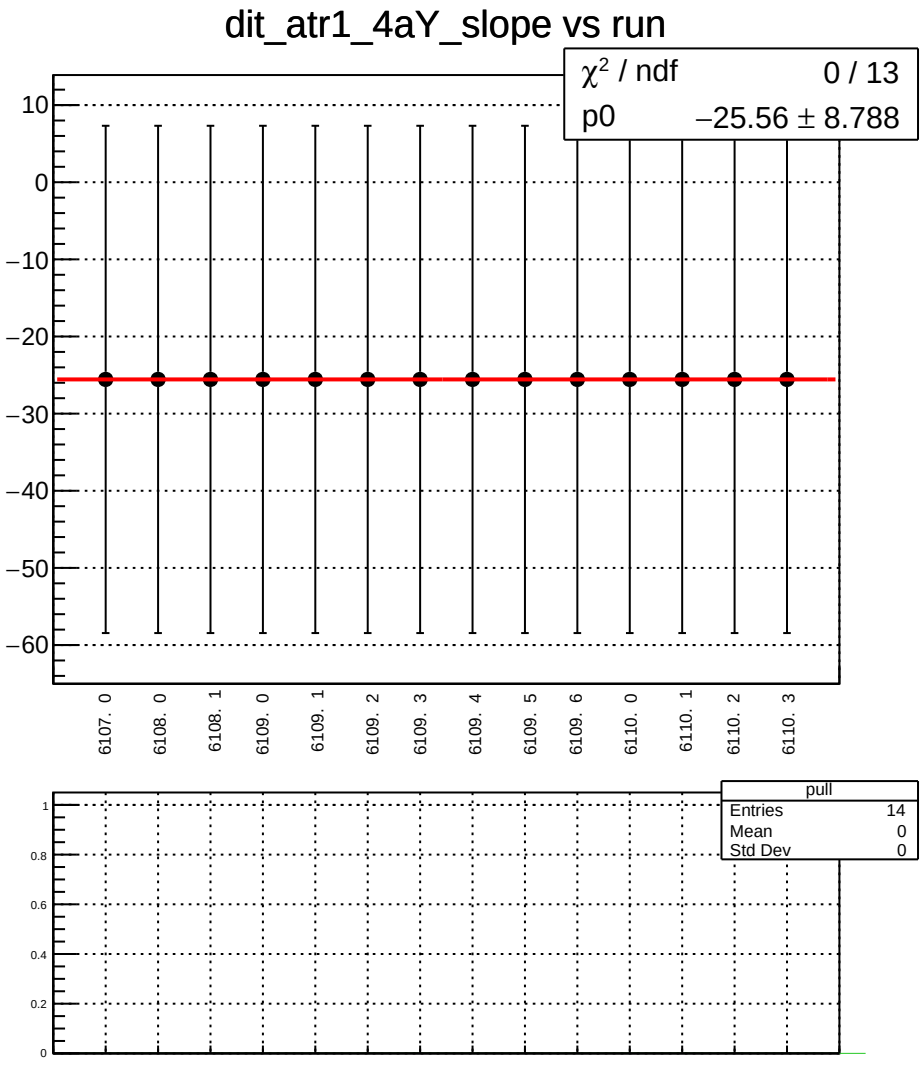

pull1D
Entries 14
Mean 8.626e−16
Std Dev1.872e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

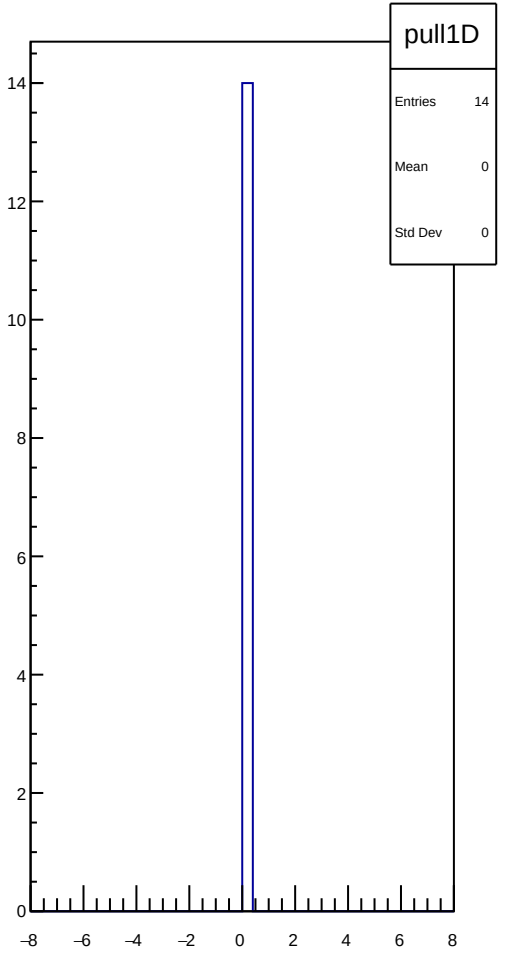

dit_atr1_4aX_slope vs run
χ² / ndf 2e−30 / 13
p0 −19.46 ± 5.024
0
−5
−10
−15
−20
−25
−30
−35
−40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull
Entries 14
Mean 7
Std Dev 4.031
pull1D
Entries 14
Mean −3.78e−16
Std Dev1.146e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

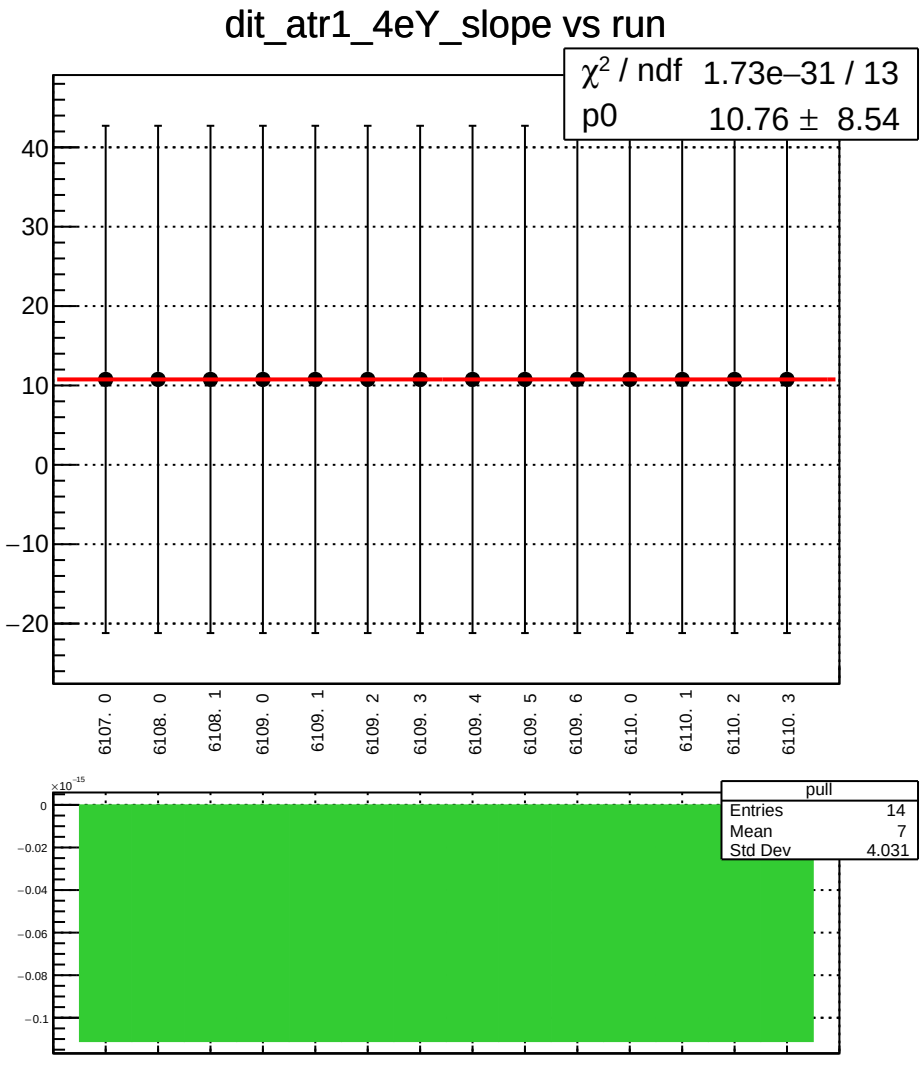

dit_atr1_4eX_slope vs run
χ² / ndf 1.011e−30 / 13
p0 −37.15 ± 7.065
−10
−20
−30
−40
−50
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 14
Mean 7
Std Dev 4.031
pull1D
Entries 14
Mean −2.688e−16
Std Dev 4.679e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

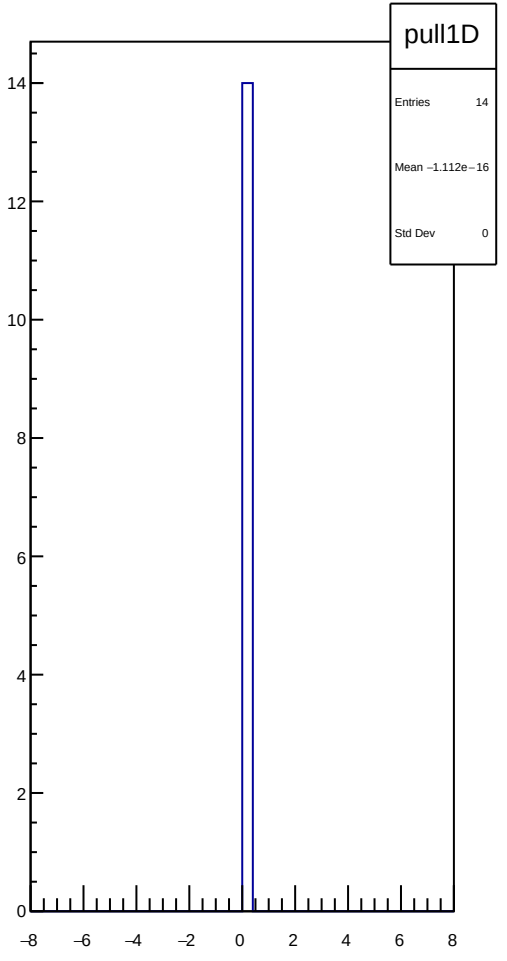

dit_atr1_11X12X_slope vs run
χ² / ndf 5.566e−31 / 13
p0 −5.901 ± 2.381
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 14
Mean 7
Std Dev 4.031

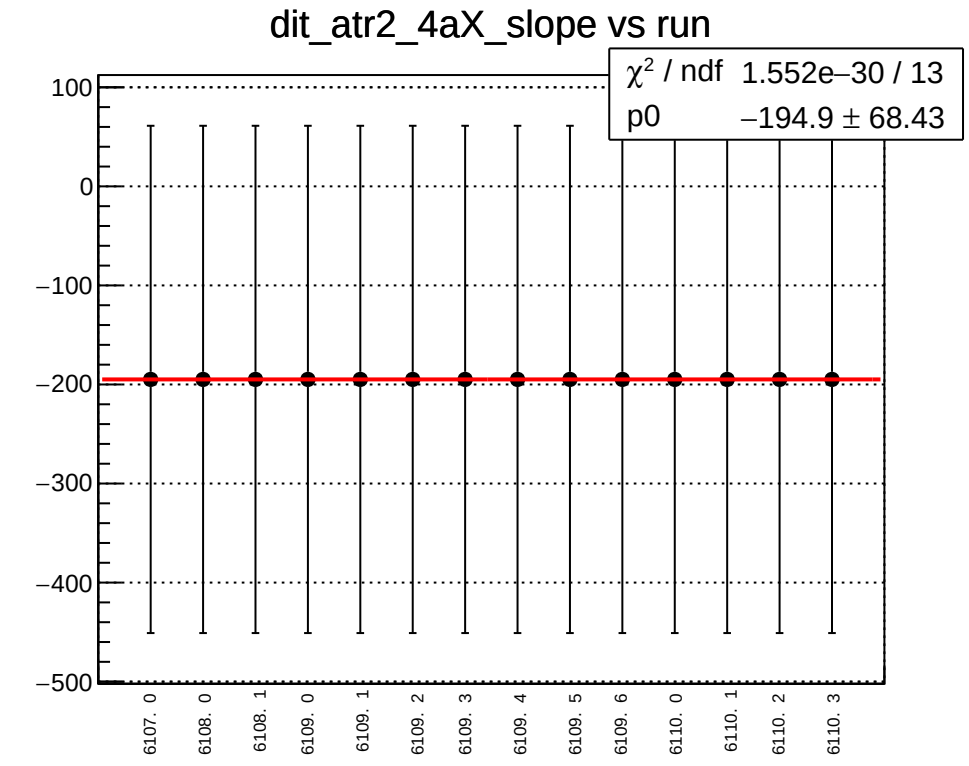

pull1D
Entries 14
Mean 1.994e−16
Std Dev4.052e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

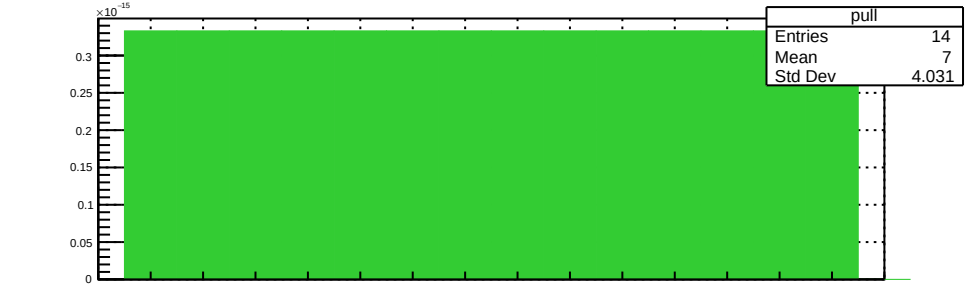

dit_atr1_4aY_slope vs run
χ² / ndf 0 / 13
p0 −25.56 ± 8.788
10
0
−10
−20
−30
−40
−50
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

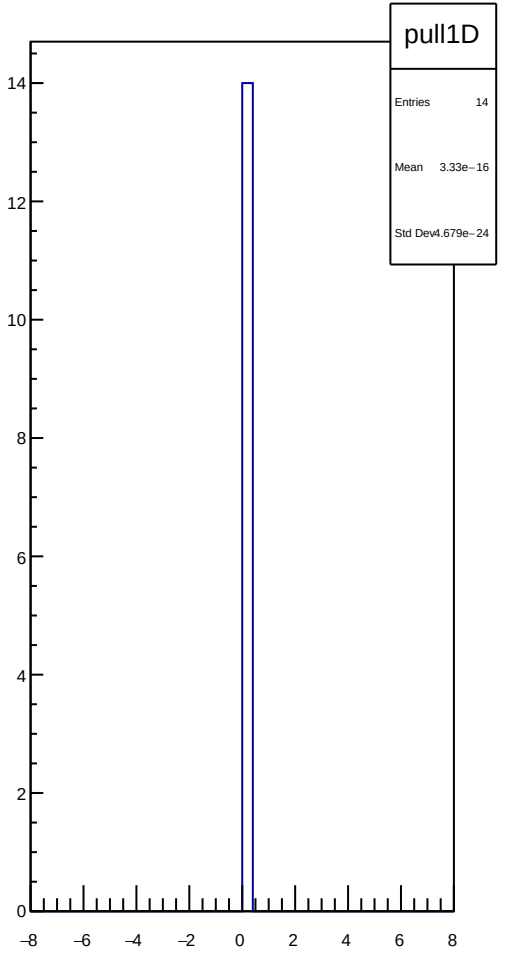

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

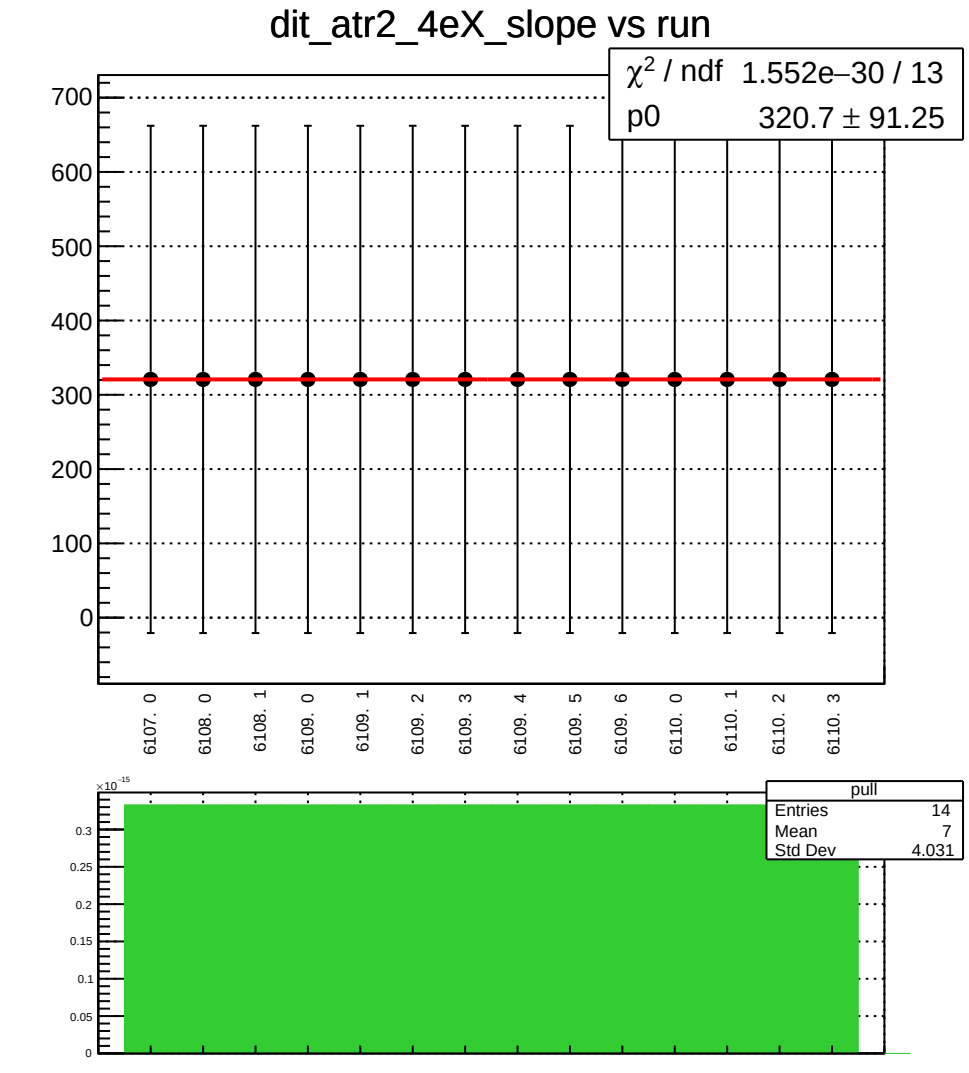

dit_atr1_4eY_slope vs run
χ² / ndf 1.73e−31 / 13
p0 10.76 ± 8.54
40
30
20
10
0
−10
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 14
Mean 7
Std Dev 4.031

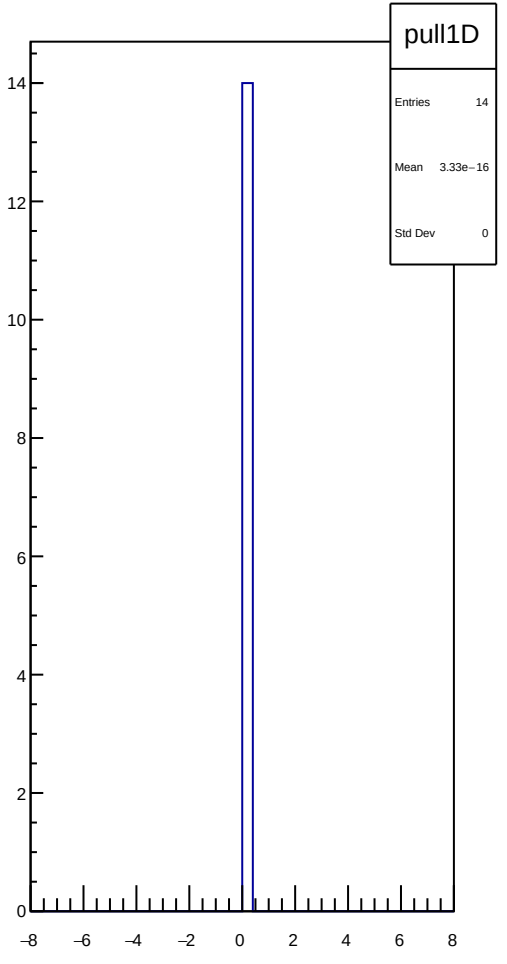

pull1D
Entries 14
Mean −1.112e−16
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

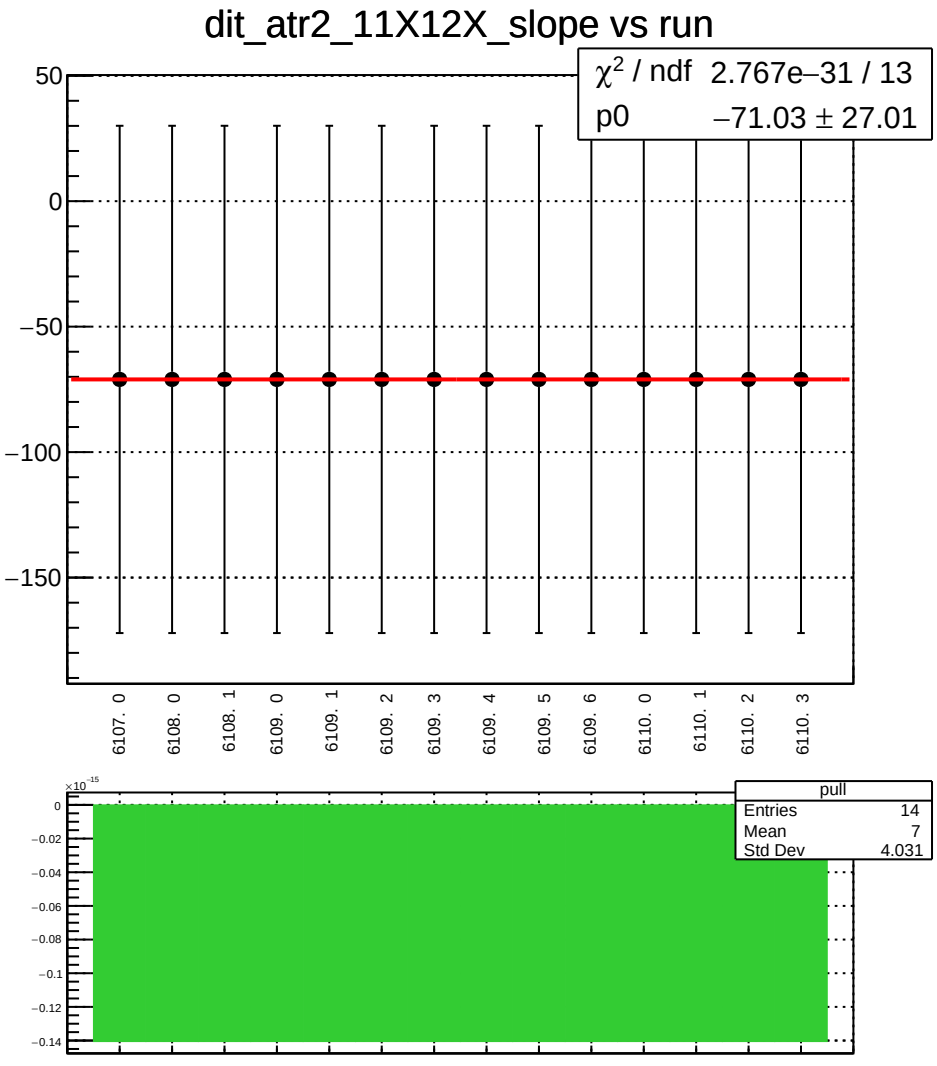

dit_atr2_4aX_slope vs run
χ² / ndf 1.552e−30 / 13
p0 −194.9 ± 68.43
100
0
−100
−200
−300
−400
−500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

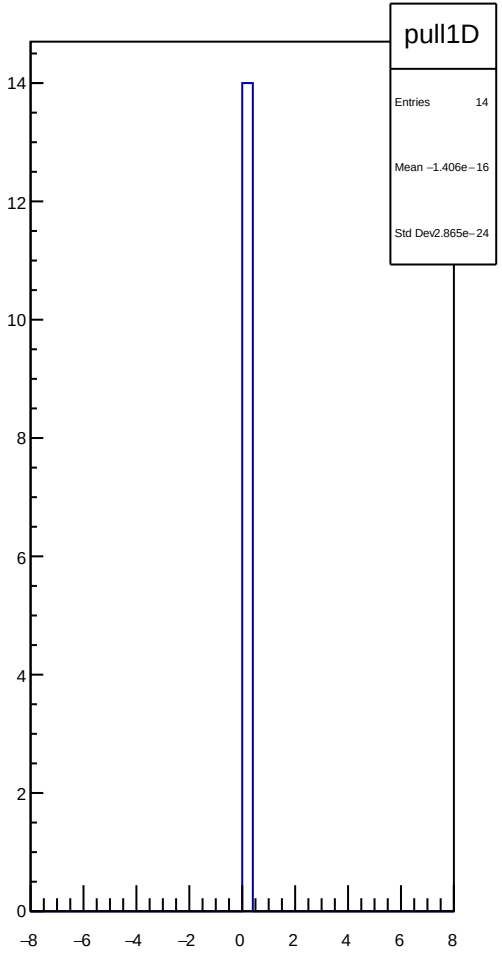

×10⁻¹⁵
pull
Entries 14
Mean 7
Std Dev 4.031
0.3
0.25
0.2
0.15
0.1
0.05
0

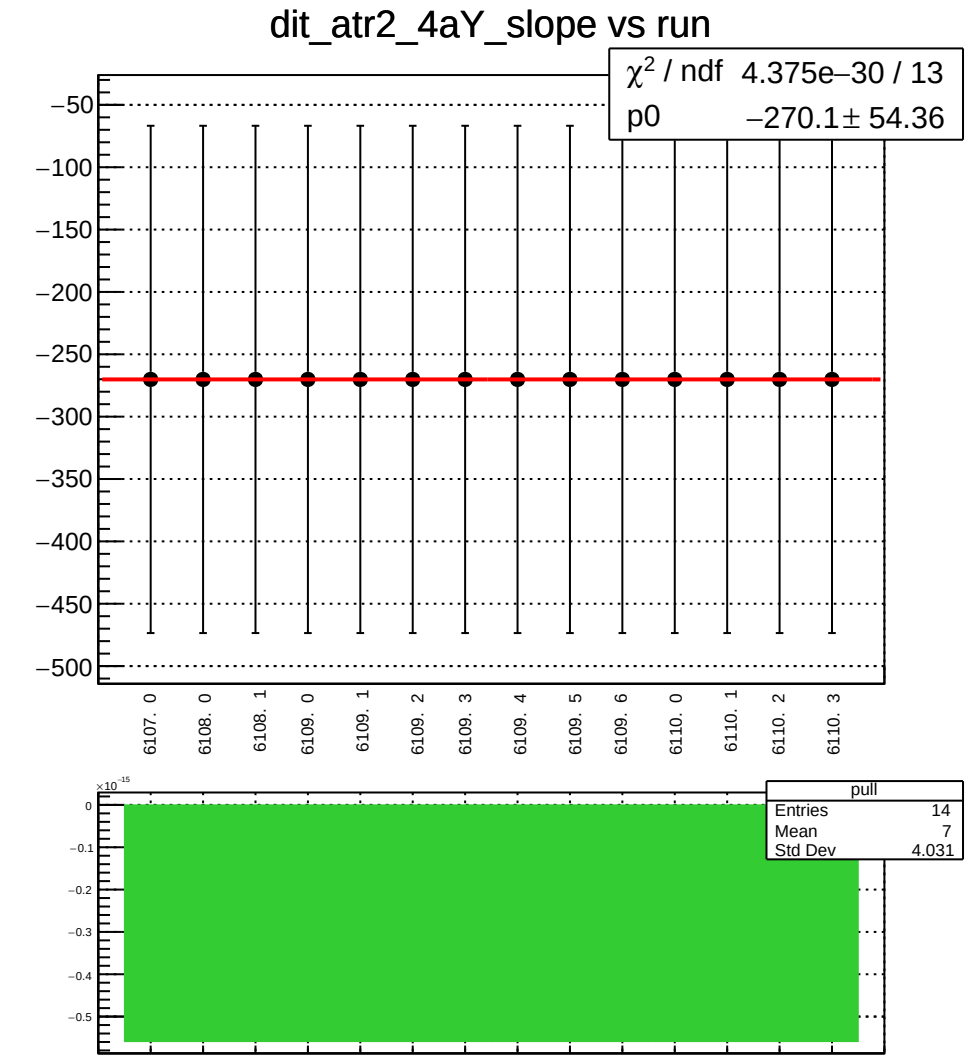

pull1D
Entries 14
Mean 3.33e−16
Std Dev 4.679e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

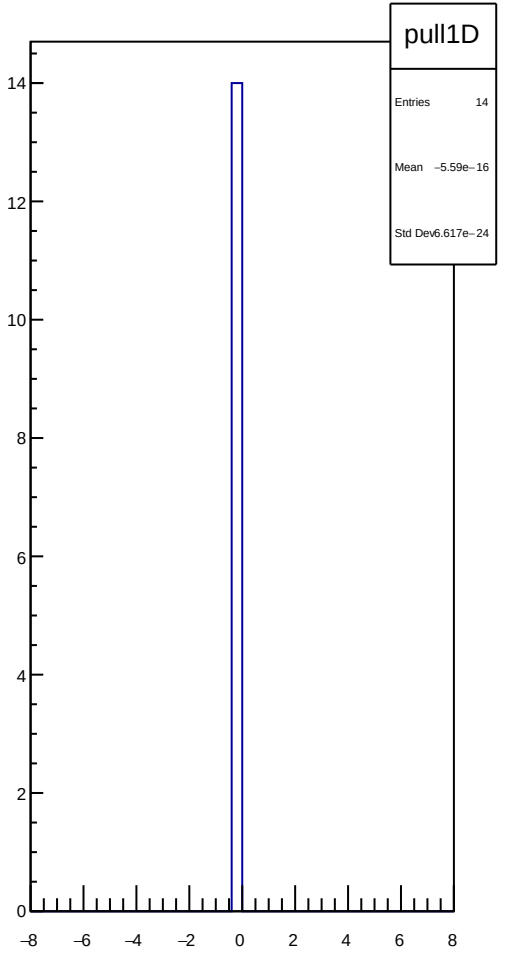

dit_atr2_4eX_slope vs run
χ² / ndf 1.552e−30 / 13
p0 320.7 ± 91.25
700
600
500
400
300
200
100
0
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 14
Mean 7
Std Dev 4.031

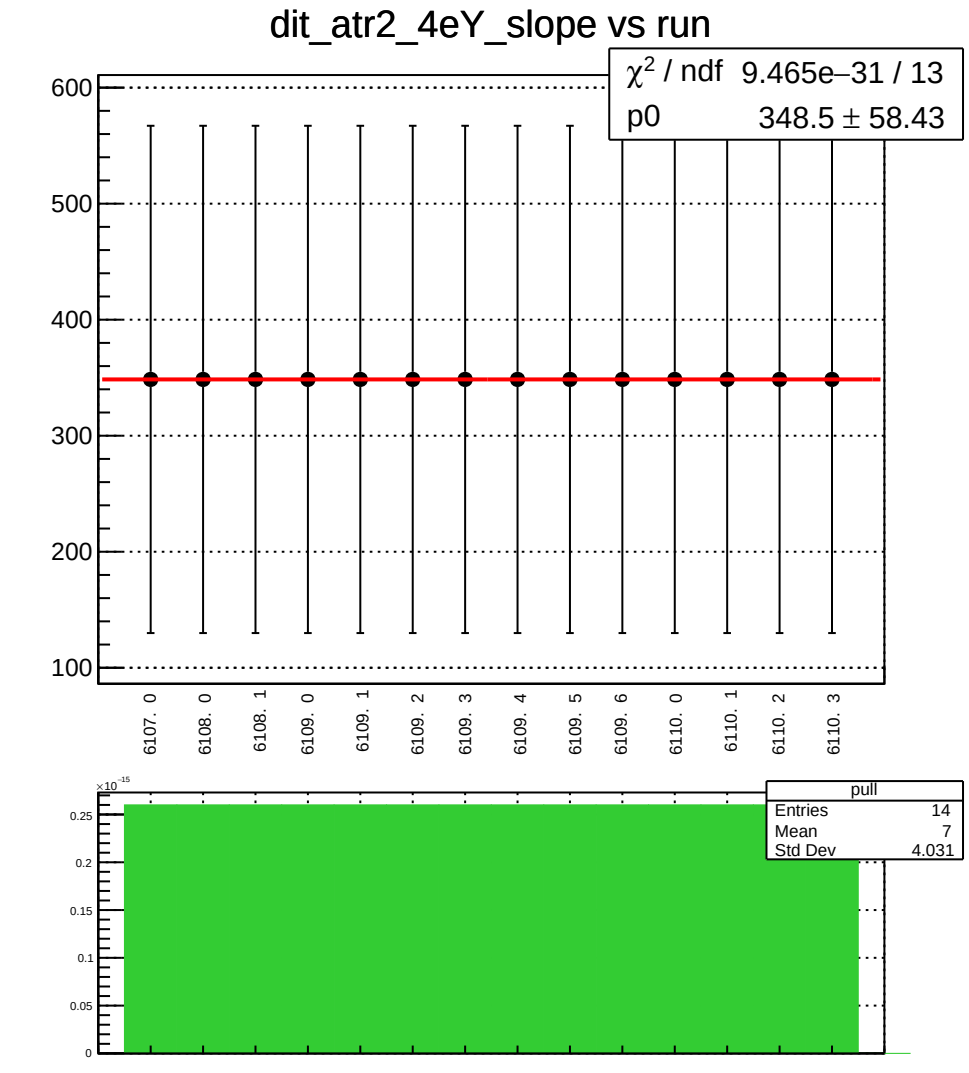

pull1D
Entries 14
Mean 3.33e−16
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

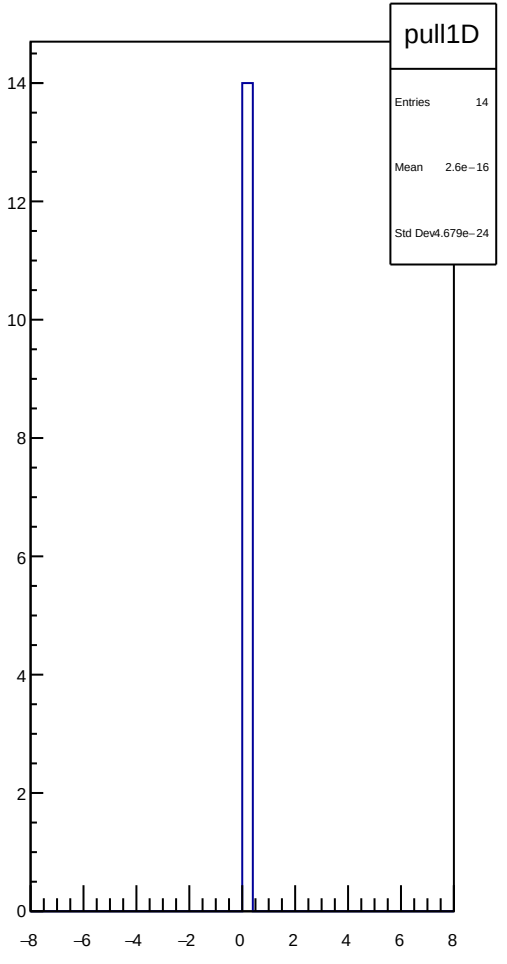

dit_atr2_11X12X_slope vs run
χ² / ndf 2.767e−31 / 13
p0 −71.03 ± 27.01
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 14
Mean 7
Std Dev 4.031

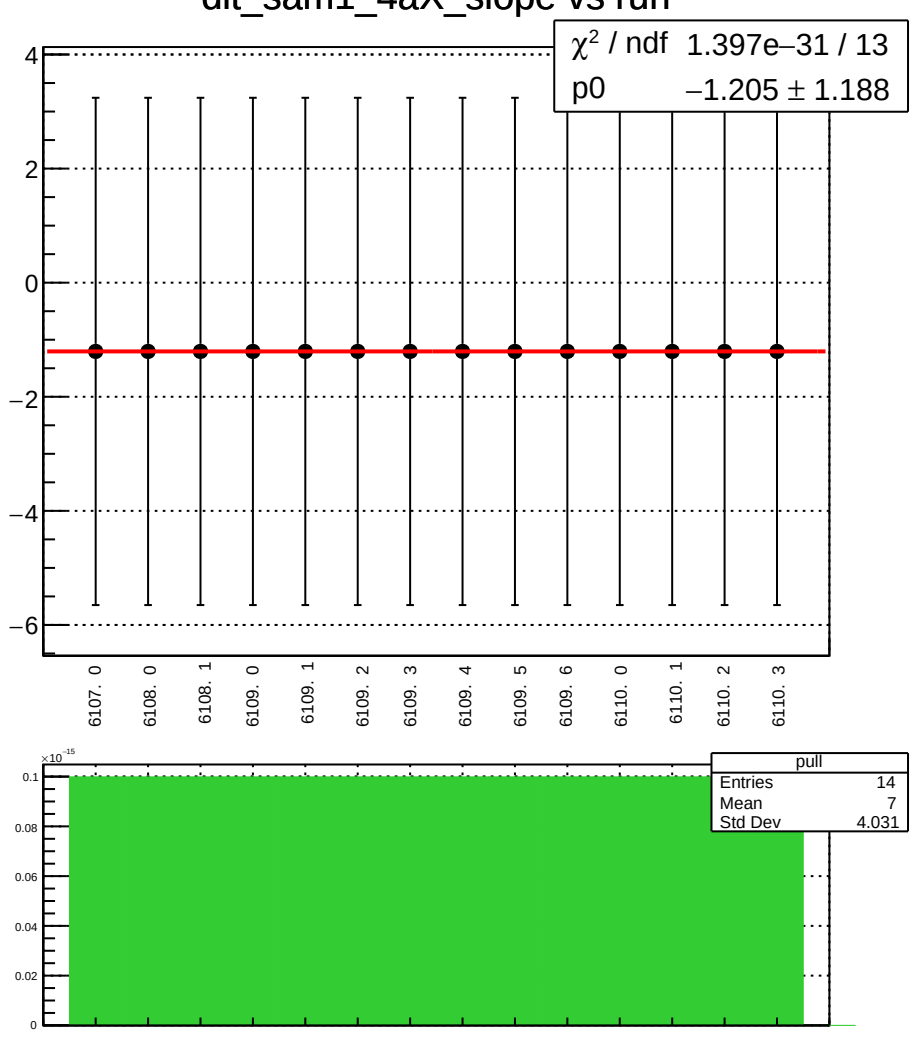

pull1D
Entries 14
Mean −1.406e−16
Std Dev2.865e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

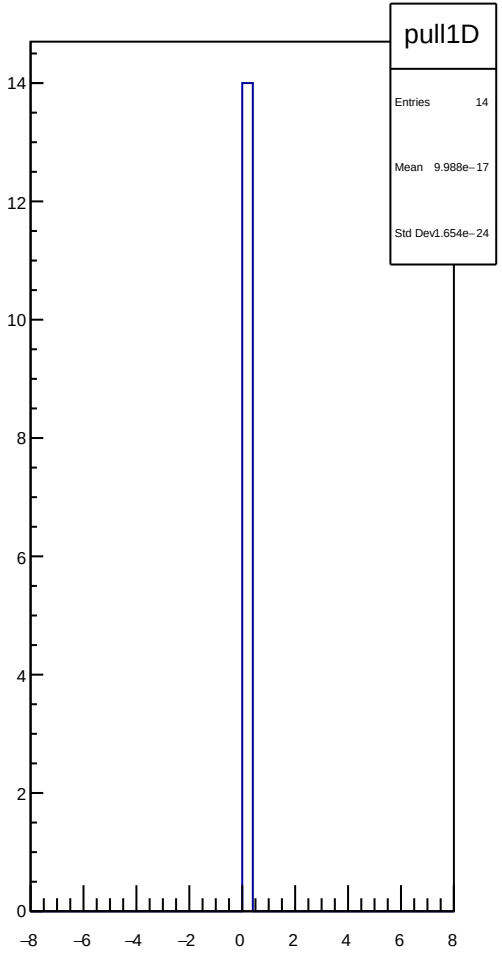

dit_atr2_4aY_slope vs run
χ² / ndf 4.375e−30 / 13
p0 −270.1 ± 54.36
−50
−100
−150
−200
−250
−300
−350
−400
−450
−500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull
Entries 14
Mean 7
Std Dev 4.031

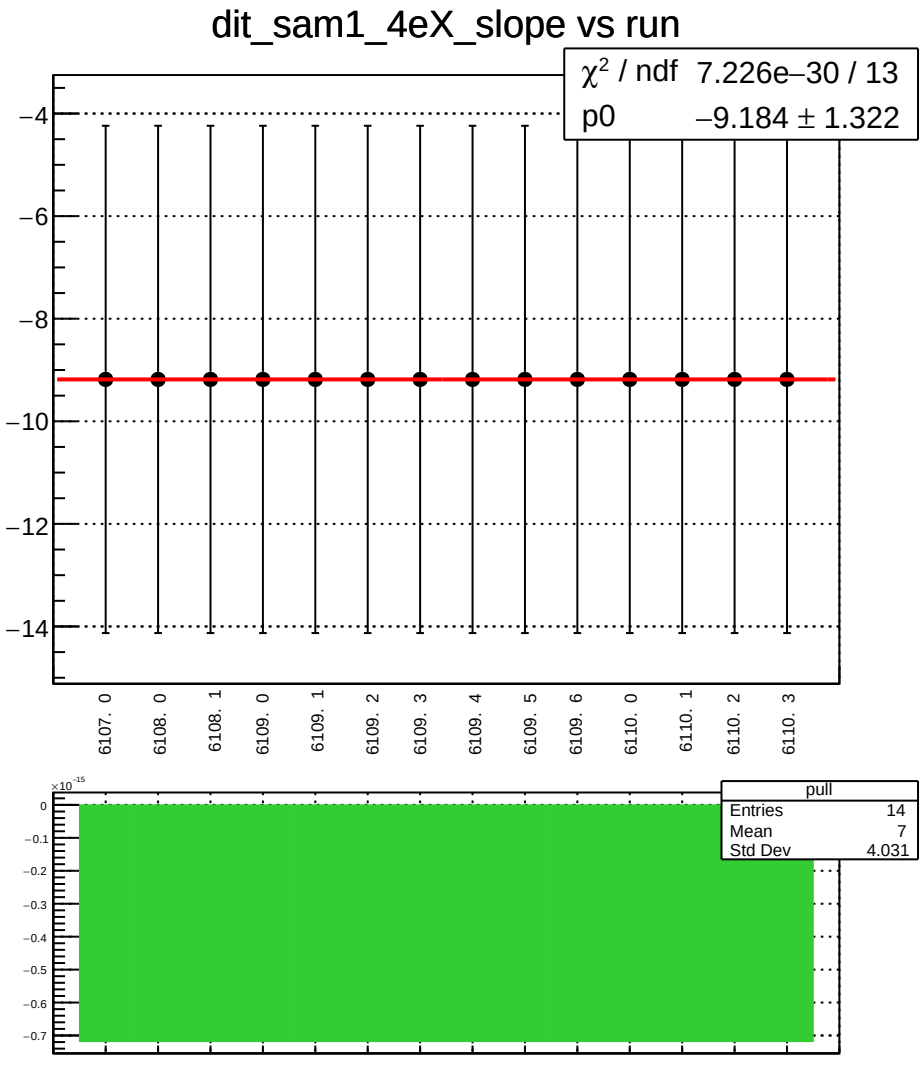

pull1D
Entries 14
Mean −5.59e−16
Std Dev 6.617e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

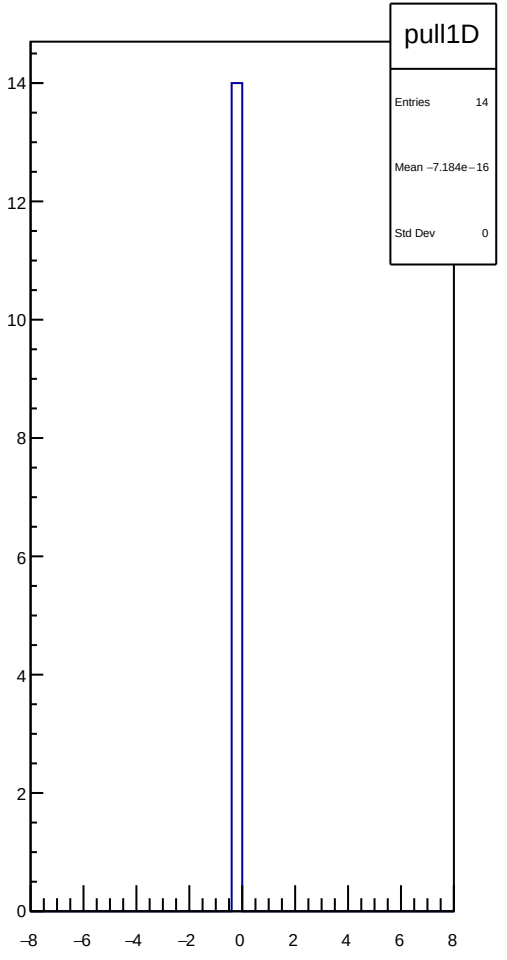

dit_atr2_4eY_slope vs run
χ² / ndf 9.465e−31 / 13
p0 348.5 ± 58.43
600
500
400
300
200
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 14
Mean 7
Std Dev 4.031

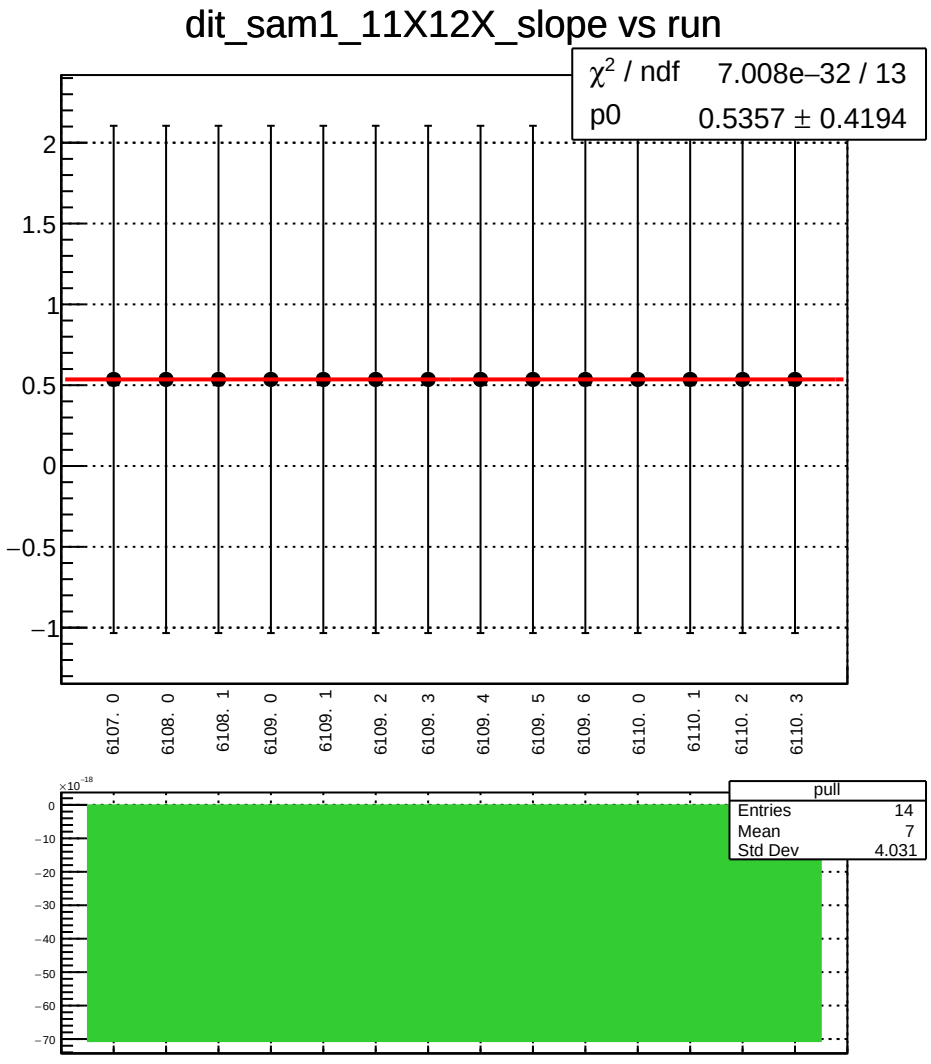

pull1D
Entries 14
Mean 2.6e−16
Std Dev 4.679e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

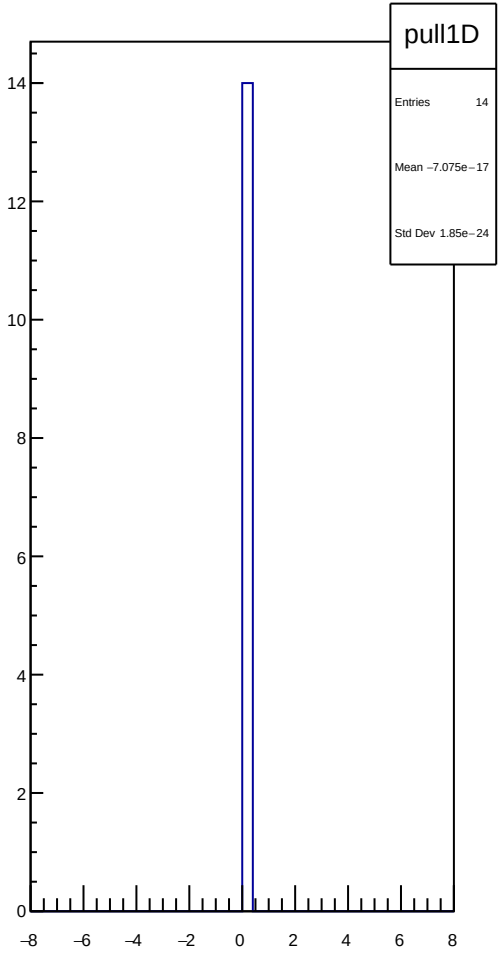

dit_sam1_4aX_slope vs run
χ² / ndf 1.397e−31 / 13
p0 −1.205 ± 1.188
4
2
0
−2
−4
−6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 14
Mean 7
Std Dev 4.031

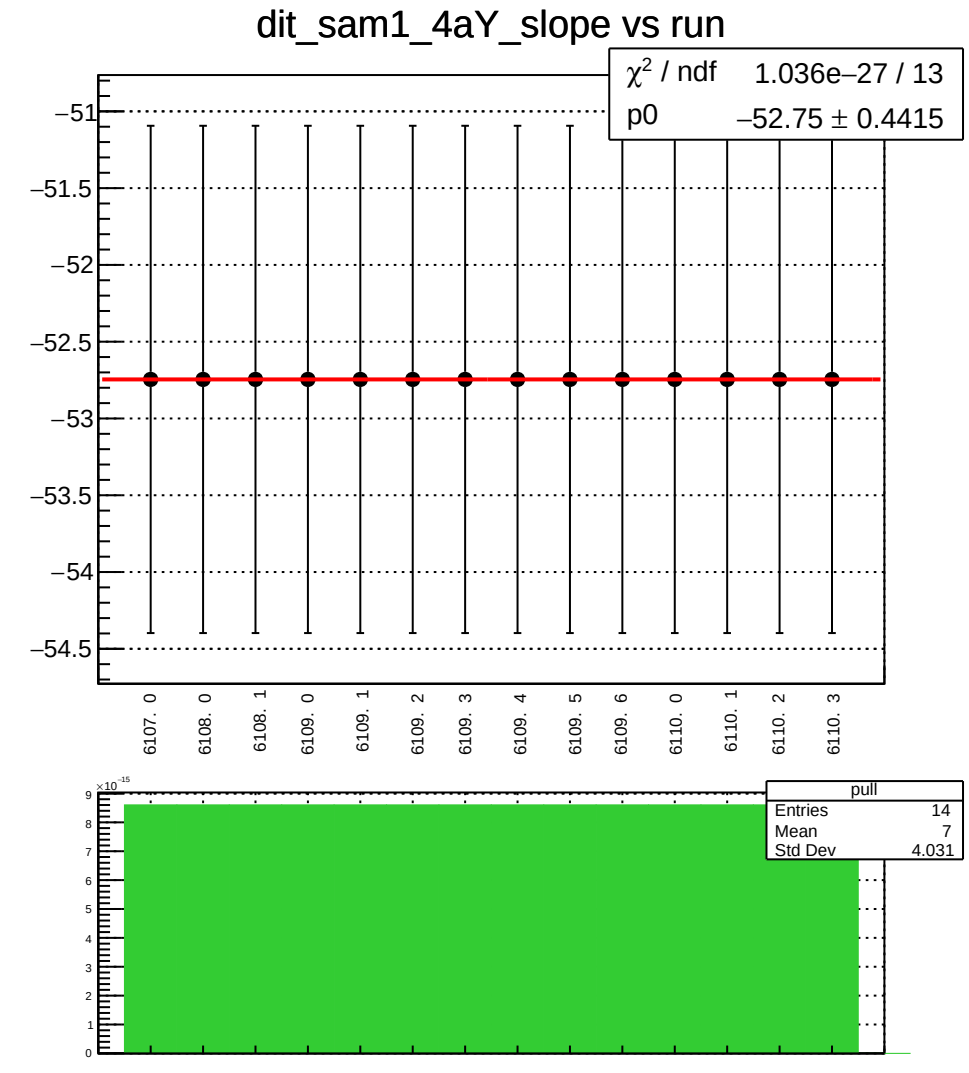

pull1D
Entries 14
Mean 9.988e−17
Std Dev1.654e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

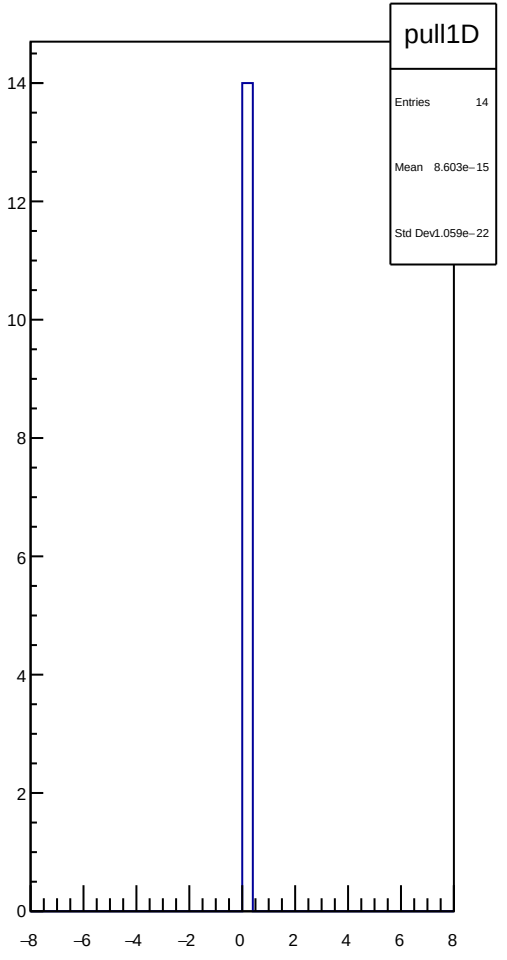

dit_sam1_4eX_slope vs run
χ² / ndf 7.226e−30 / 13
p0 −9.184 ± 1.322
−4
−6
−8
−10
−12
−14
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull
Entries 14
Mean 7
Std Dev 4.031

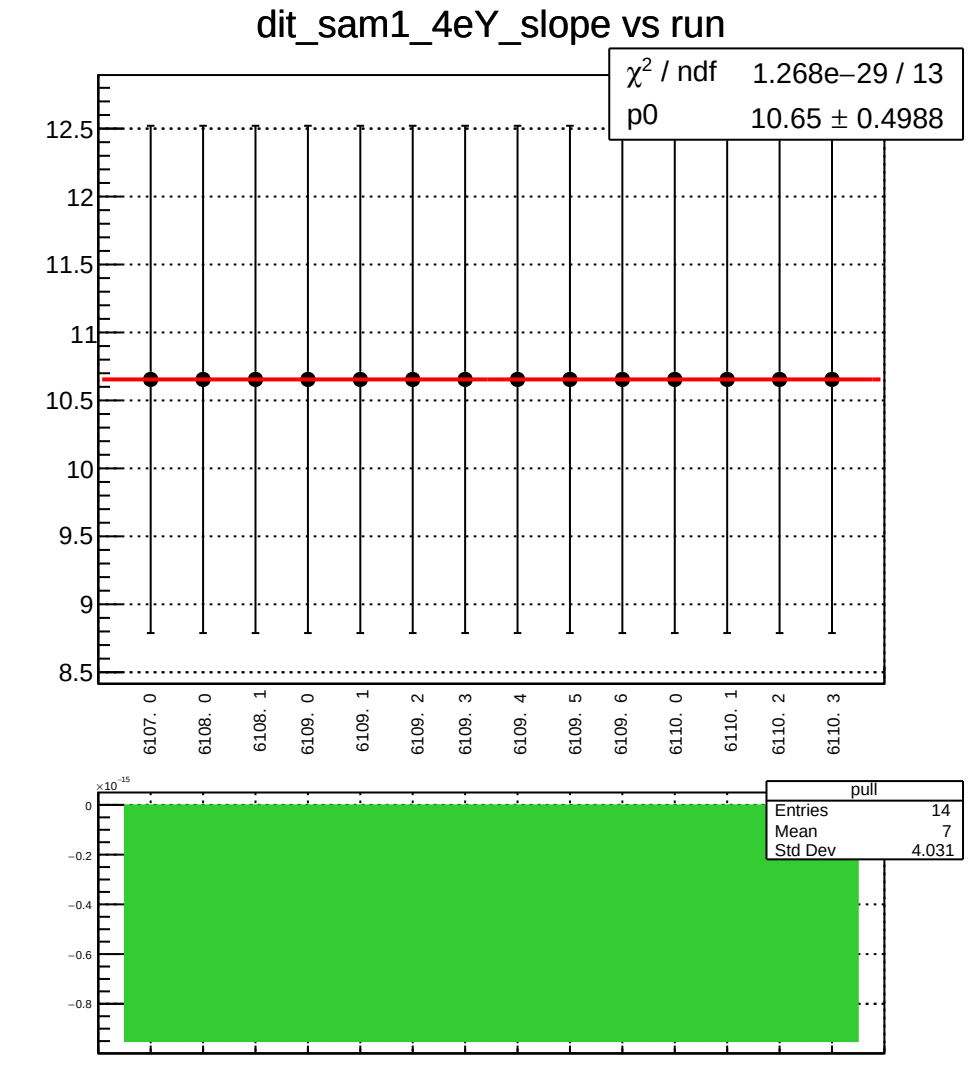

pull1D
Entries 14
Mean −7.184e−16
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

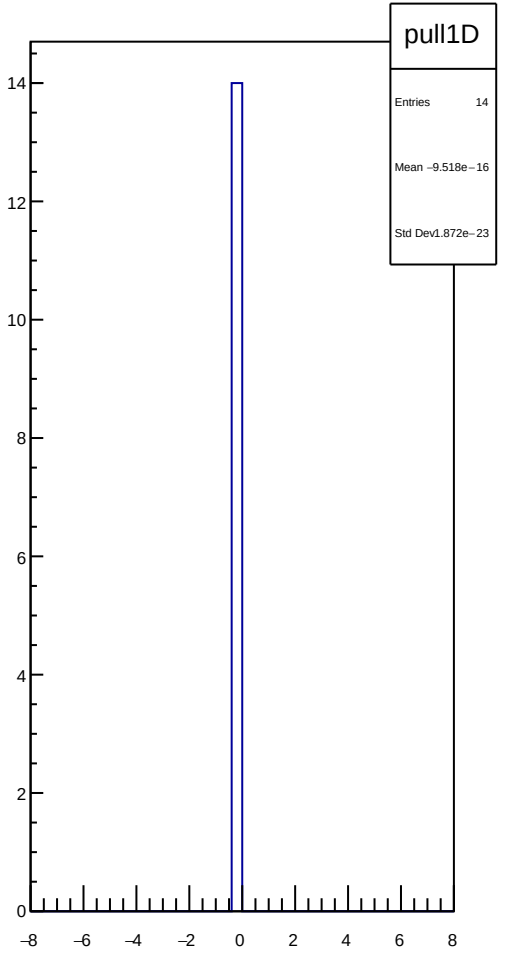

dit_sam1_11X12X_slope vs run
χ² / ndf 7.008e−32 / 13
p0 0.5357 ± 0.4194
2
1.5
1
0.5
0
−0.5
−1
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁸
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 14
Mean 7
Std Dev 4.031

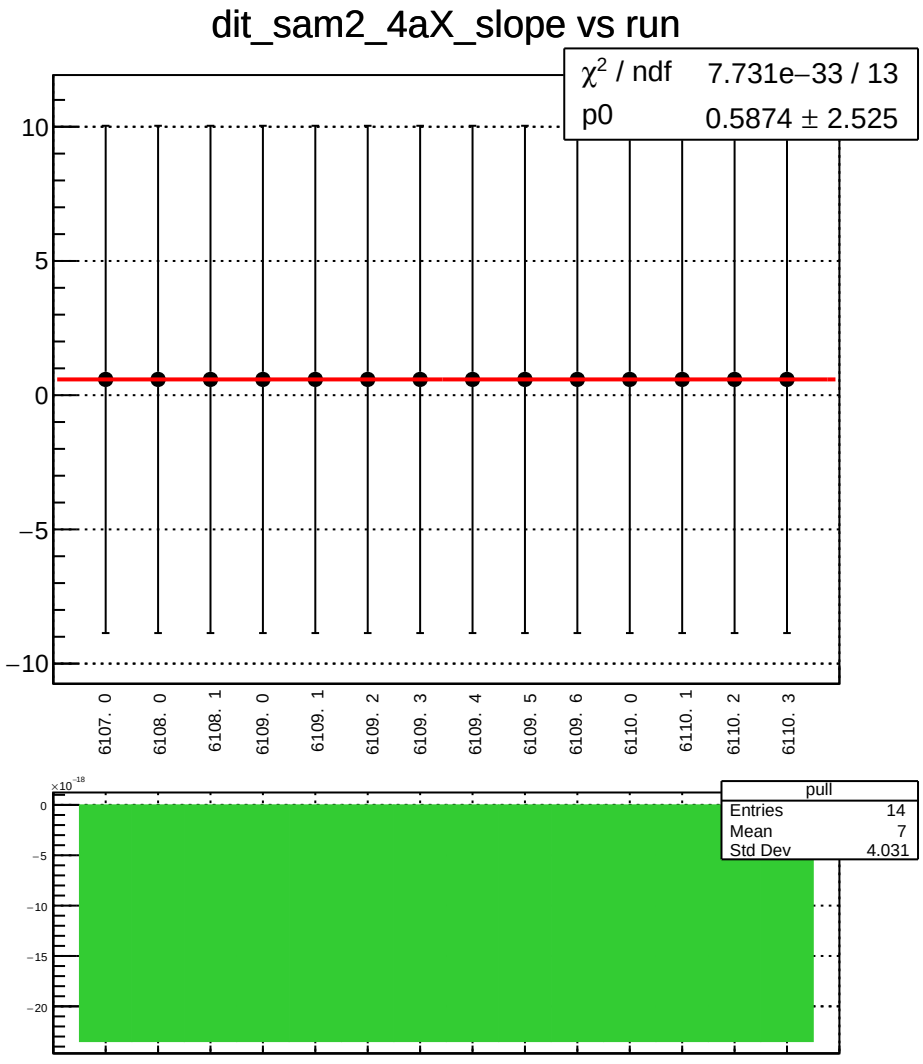

pull1D
Entries 14
Mean −7.075e−17
Std Dev 1.85e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

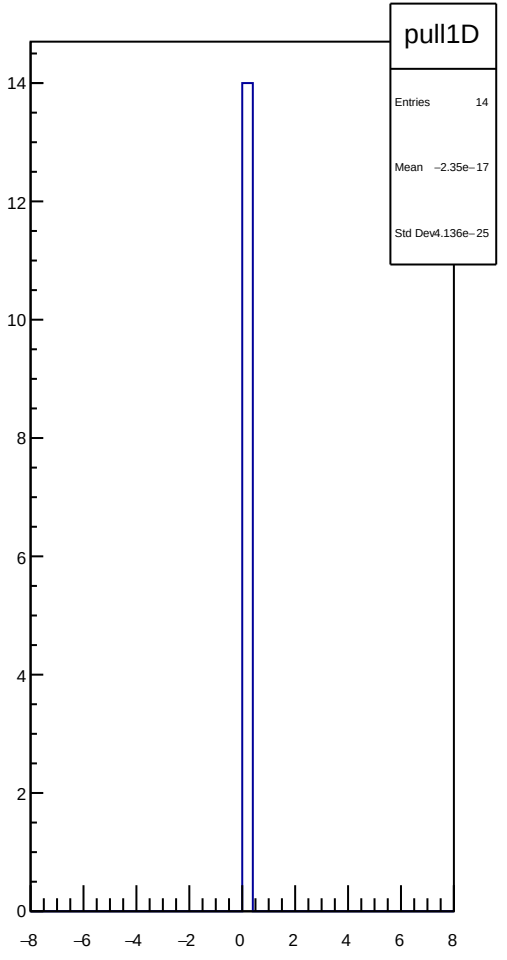

dit_sam1_4aY_slope vs run
χ² / ndf 1.036e−27 / 13
p0 −52.75 ± 0.4415
−51
−51.5
−52
−52.5
−53
−53.5
−54
−54.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
pull
Entries 14
Mean 7
Std Dev 4.031

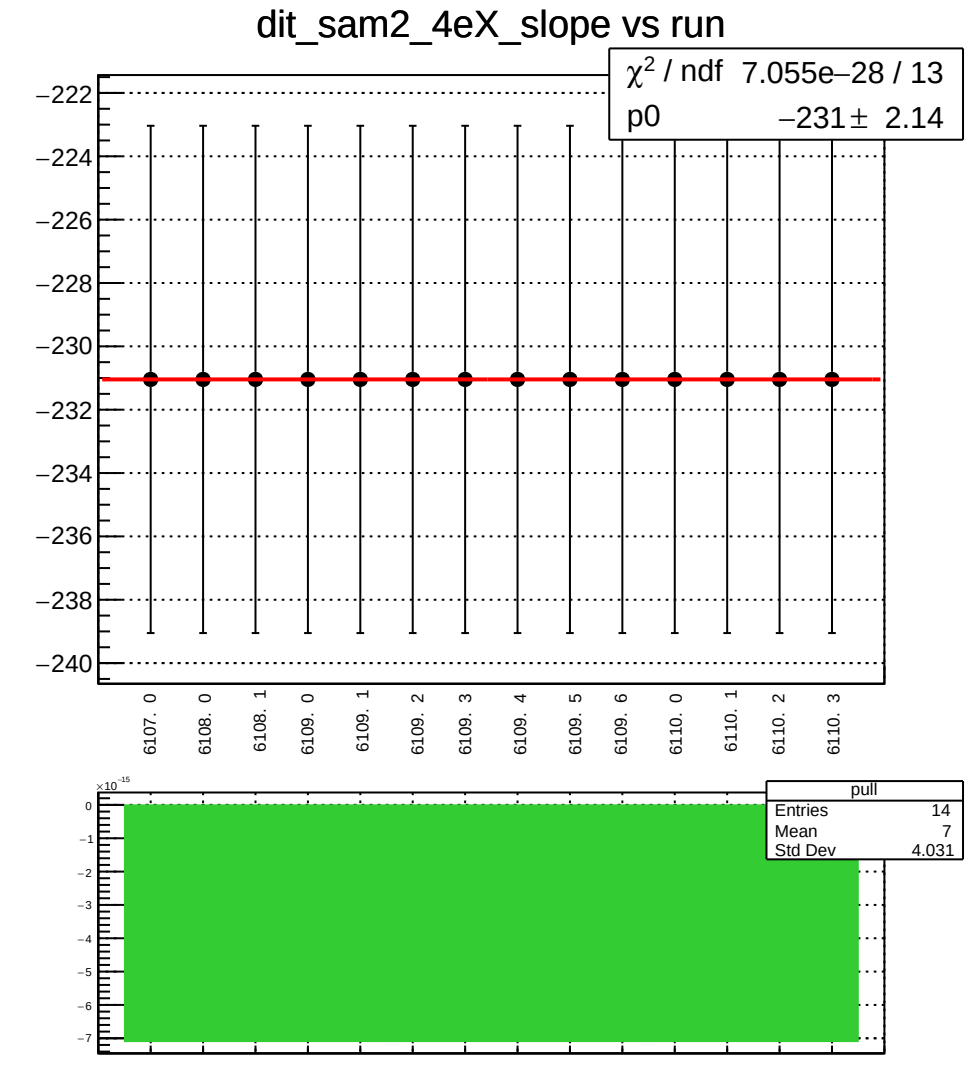

pull1D
Entries 14
Mean 8.603e−15
Std Dev1.059e−22

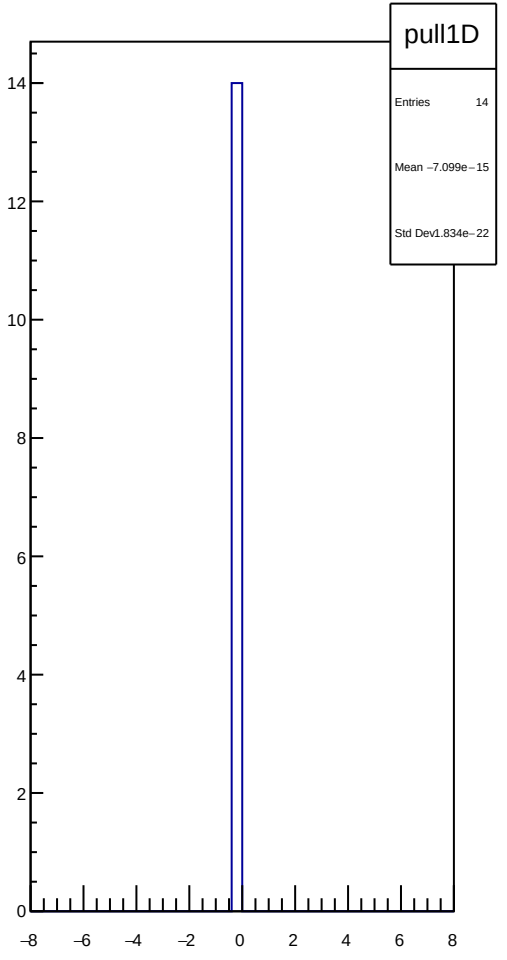

dit_sam1_4eY_slope vs run
χ² / ndf 1.268e−29 / 13
p0 10.65 ± 0.4988
12.5
12
11.5
11
10.5
10
9.5
9
8.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 14
Mean 7
Std Dev 4.031

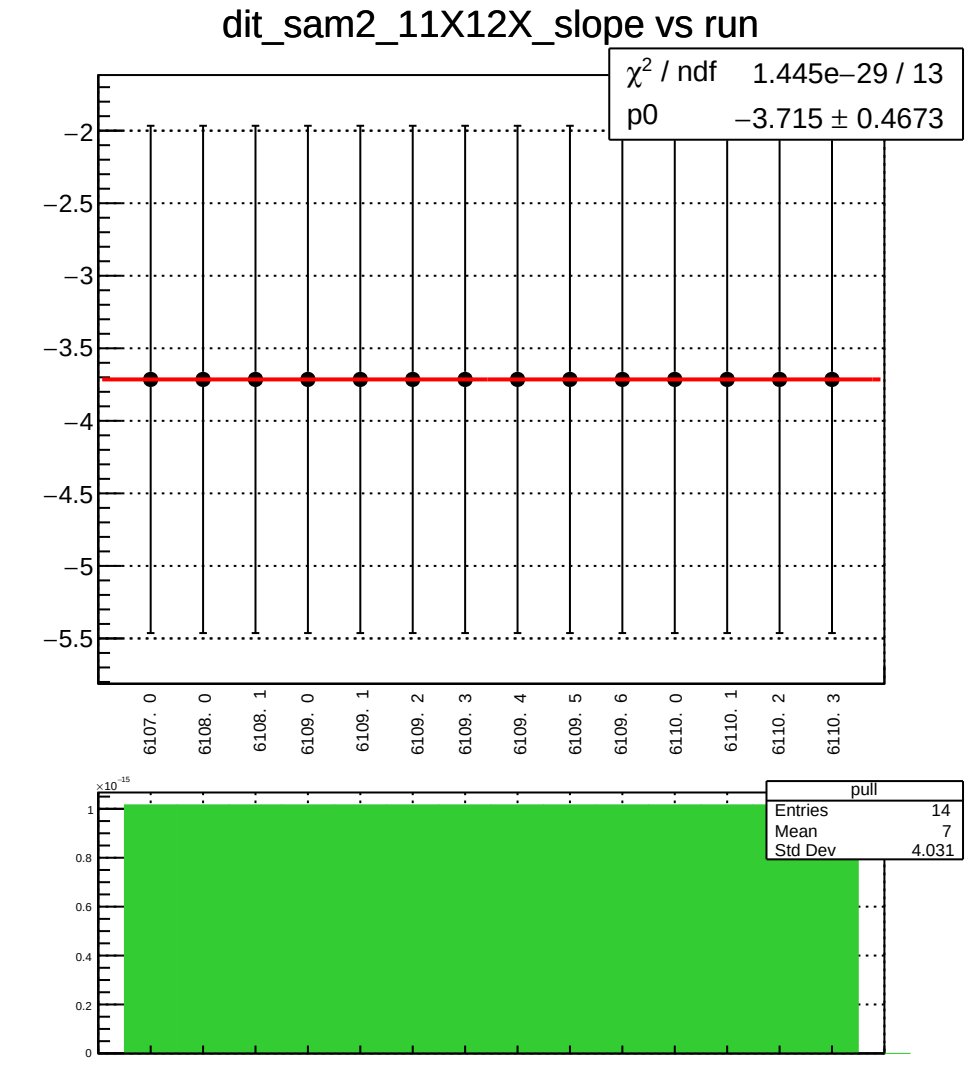

pull1D
Entries 14
Mean −9.518e−16
Std Dev1.872e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

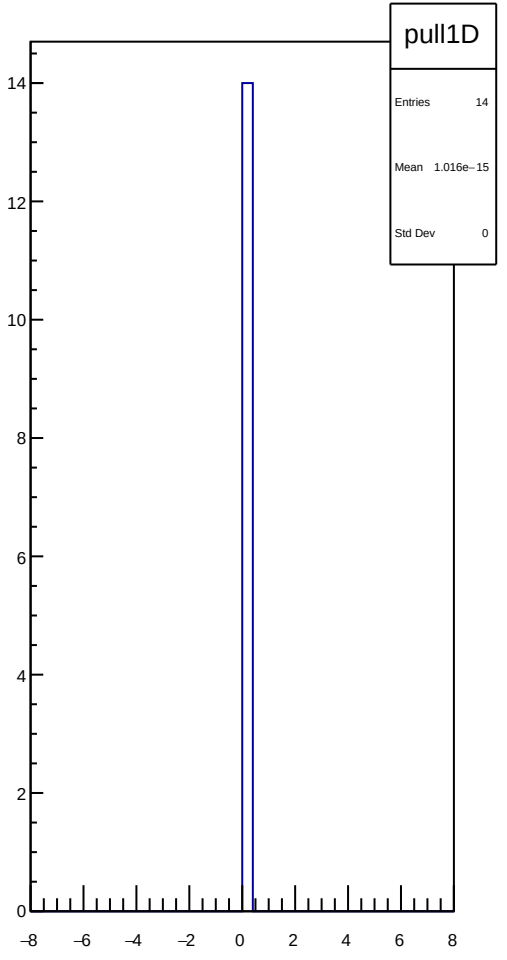

dit_sam2_4aX_slope vs run
χ² / ndf 7.731e−33 / 13
p0 0.5874 ± 2.525
10
5
0
−5
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁸
0
−5
−10
−15
−20
pull
Entries 14
Mean 7
Std Dev 4.031

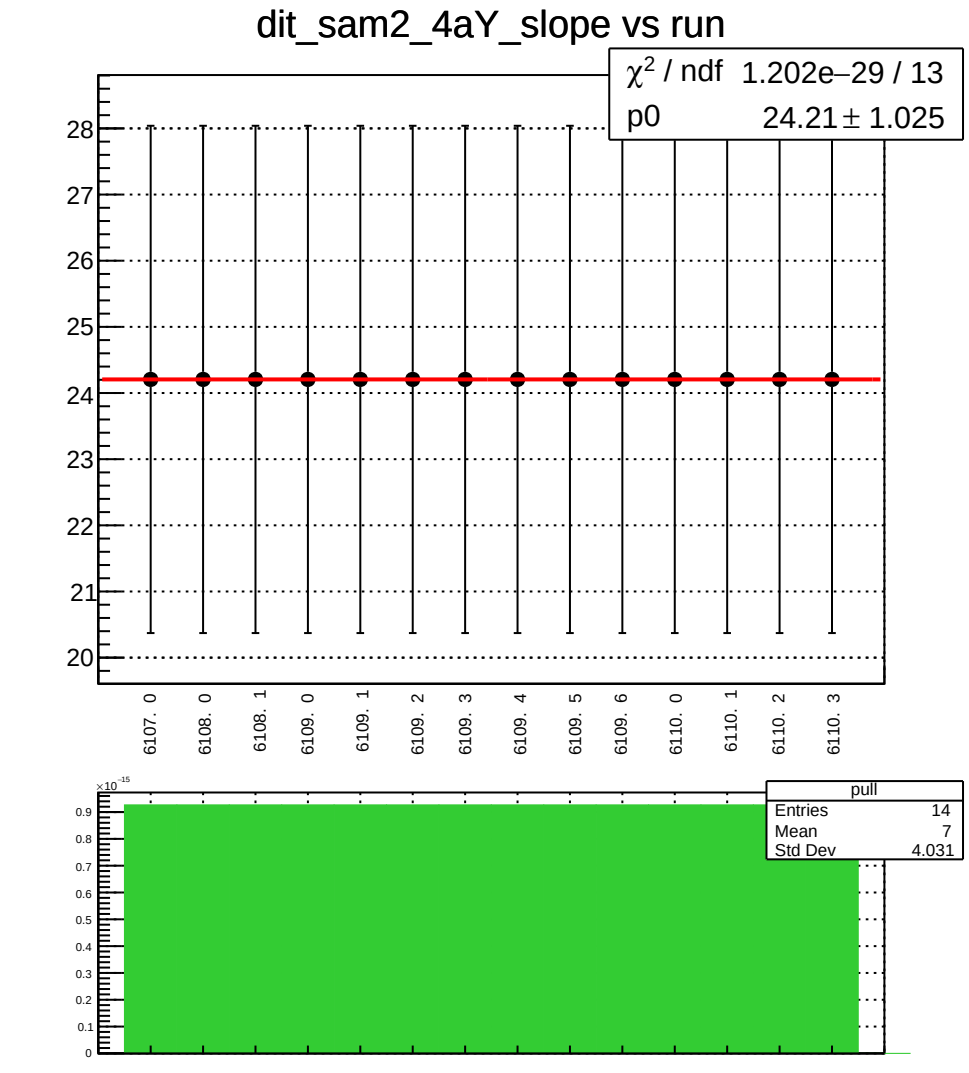

pull1D
Entries 14
Mean −2.35e−17
Std Dev 4.136e−25
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

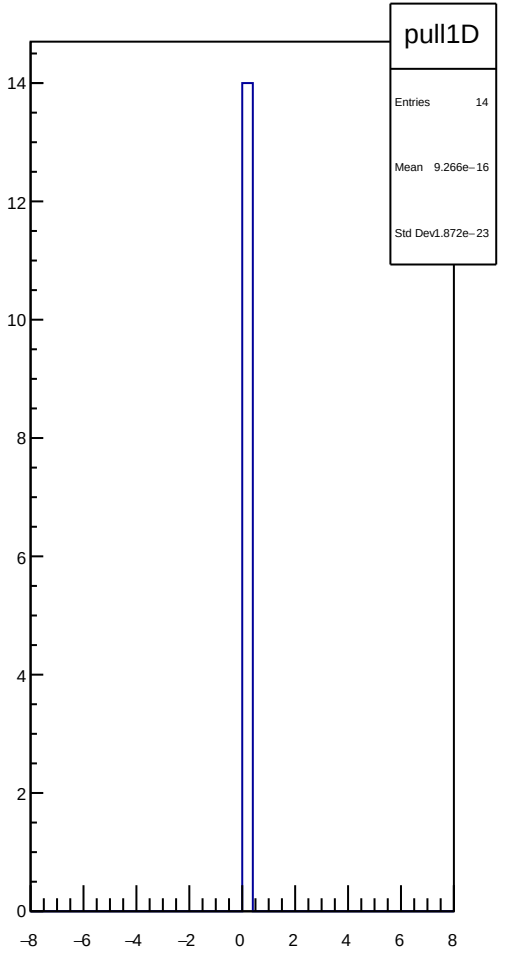

dit_sam2_4eX_slope vs run
χ² / ndf 7.055e−28 / 13
p0 −231 ± 2.14
−222
−224
−226
−228
−230
−232
−234
−236
−238
−240
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull
Entries 14
Mean 7
Std Dev 4.031

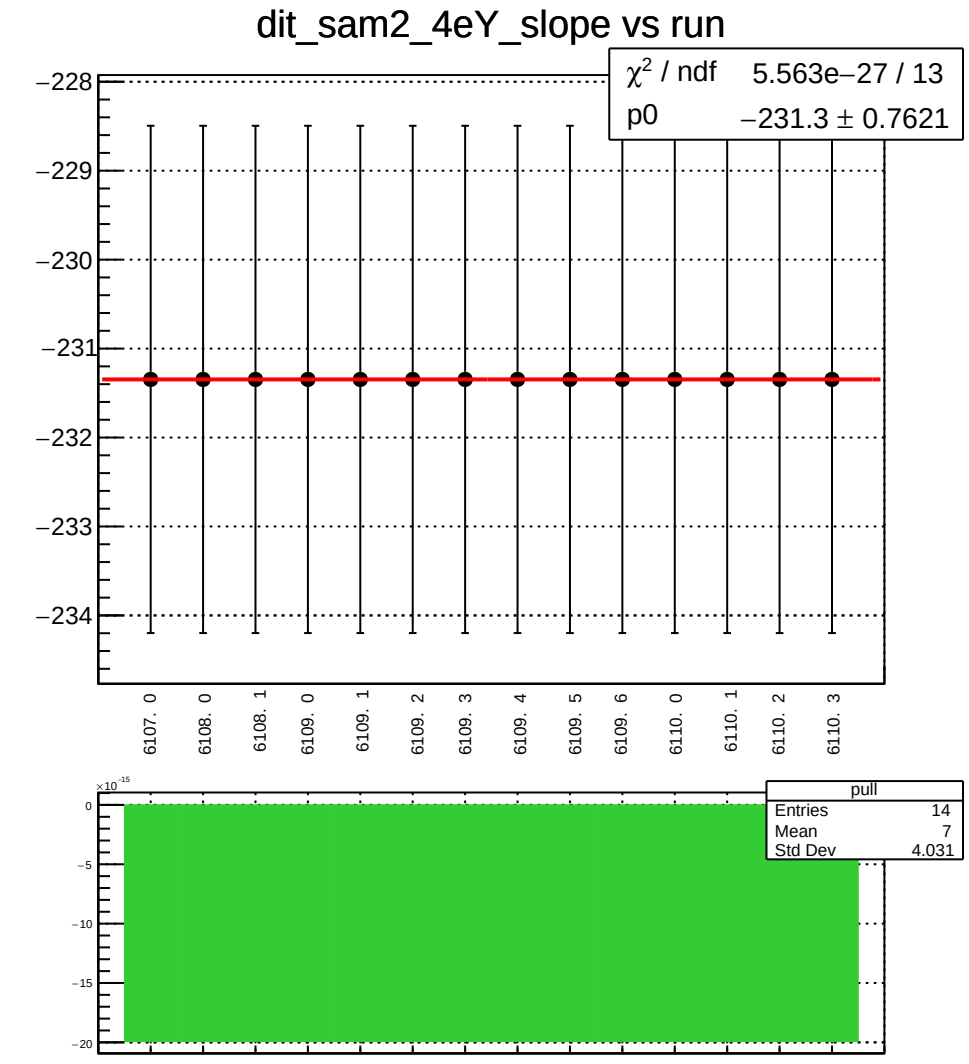

pull1D
Entries 14
Mean −7.099e−15
Std Dev1.834e−22
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

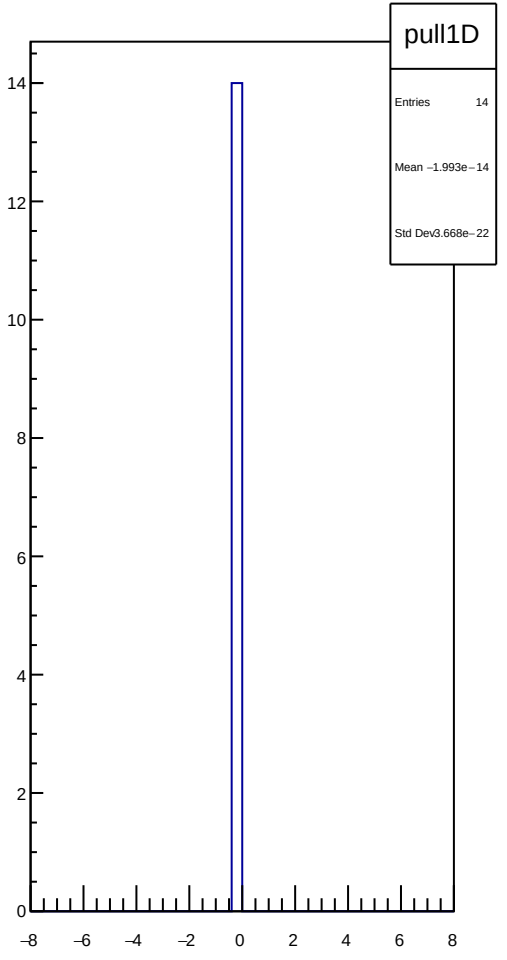

dit_sam2_11X12X_slope vs run
χ² / ndf 1.445e−29 / 13
p0 −3.715 ± 0.4673
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull
Entries 14
Mean 7
Std Dev 4.031

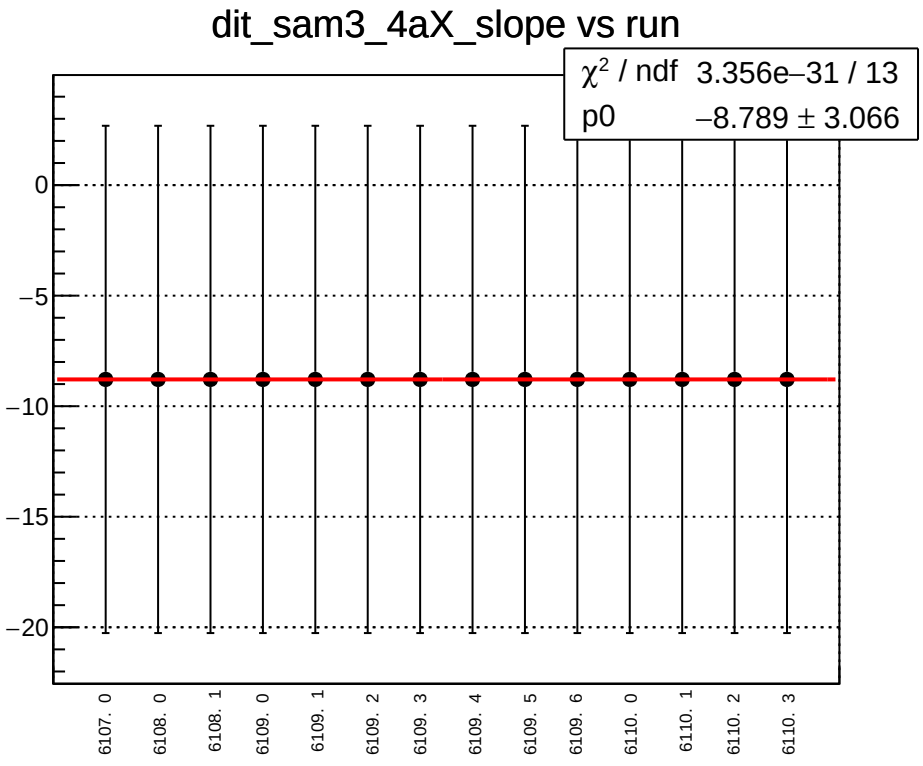

pull1D
Entries 14
Mean 1.016e−15
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

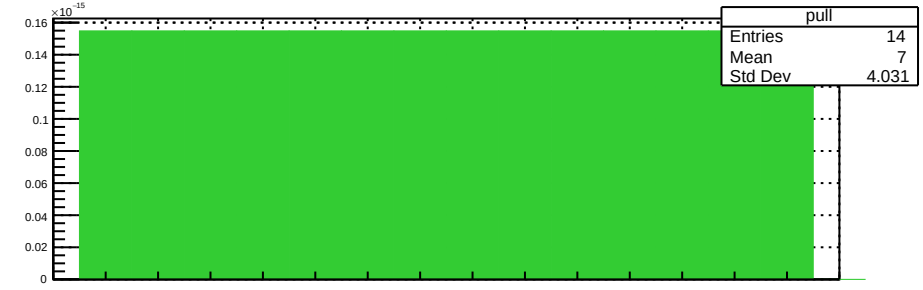

dit_sam2_4aY_slope vs run
χ² / ndf 1.202e−29 / 13
p0 24.21 ± 1.025
28
27
26
25
24
23
22
21
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 14
Mean 7
Std Dev 4.031

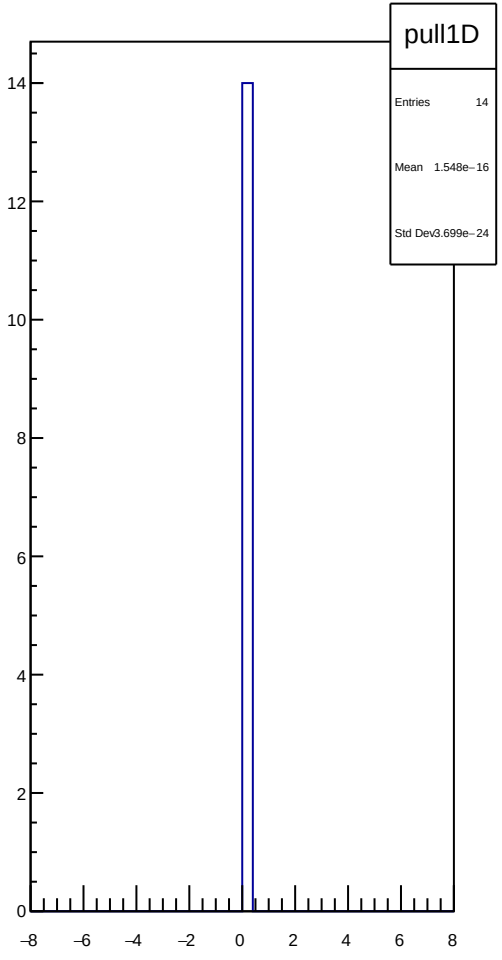

pull1D
Entries 14
Mean 9.266e−16
Std Dev1.872e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

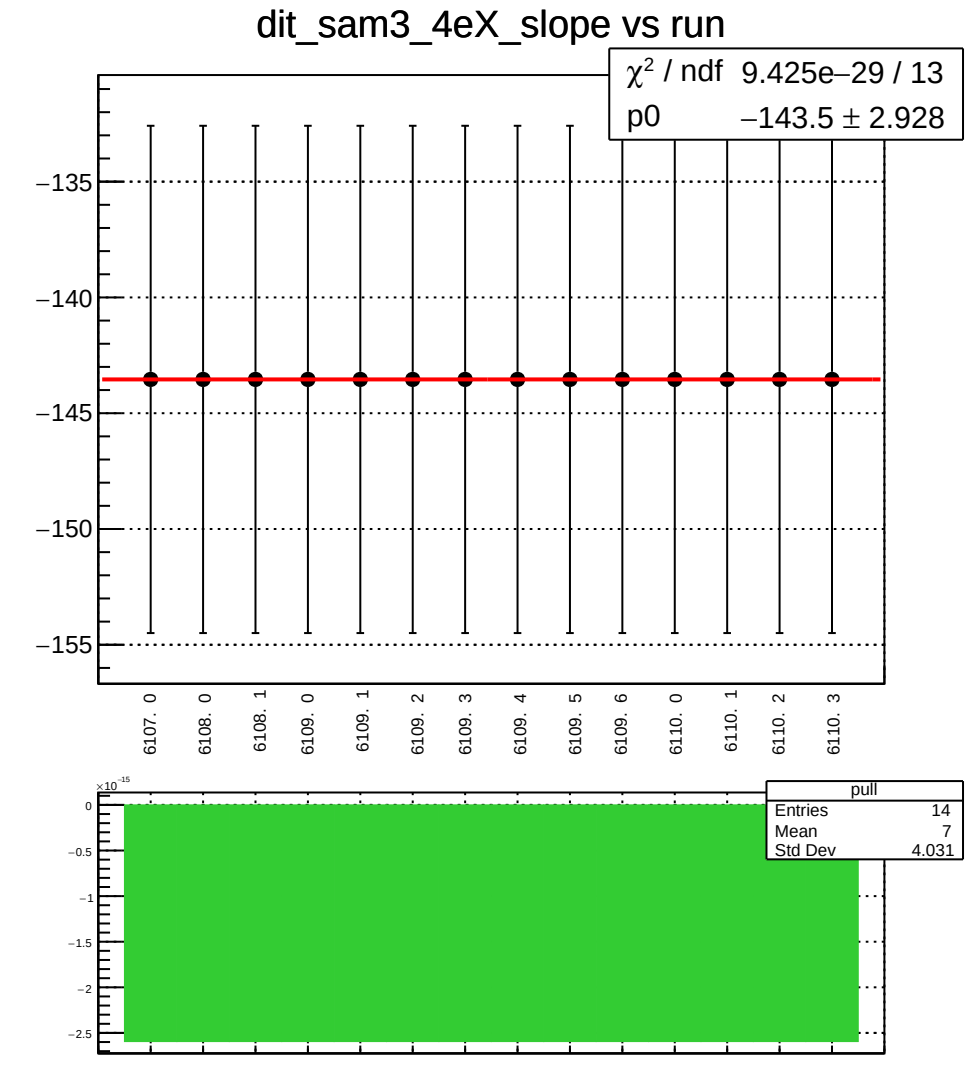

dit_sam2_4eY_slope vs run
χ² / ndf 5.563e−27 / 13
p0 −231.3 ± 0.7621
−228
−229
−230
−231
−232
−233
−234
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 14
Mean 7
Std Dev 4.031

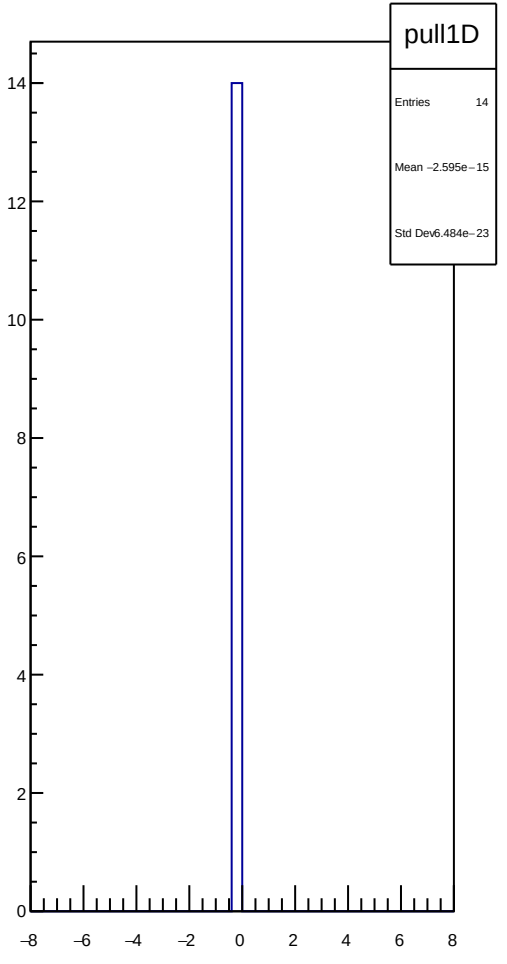

pull1D
Entries 14
Mean −1.993e−14
Std Dev3.668e−22
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

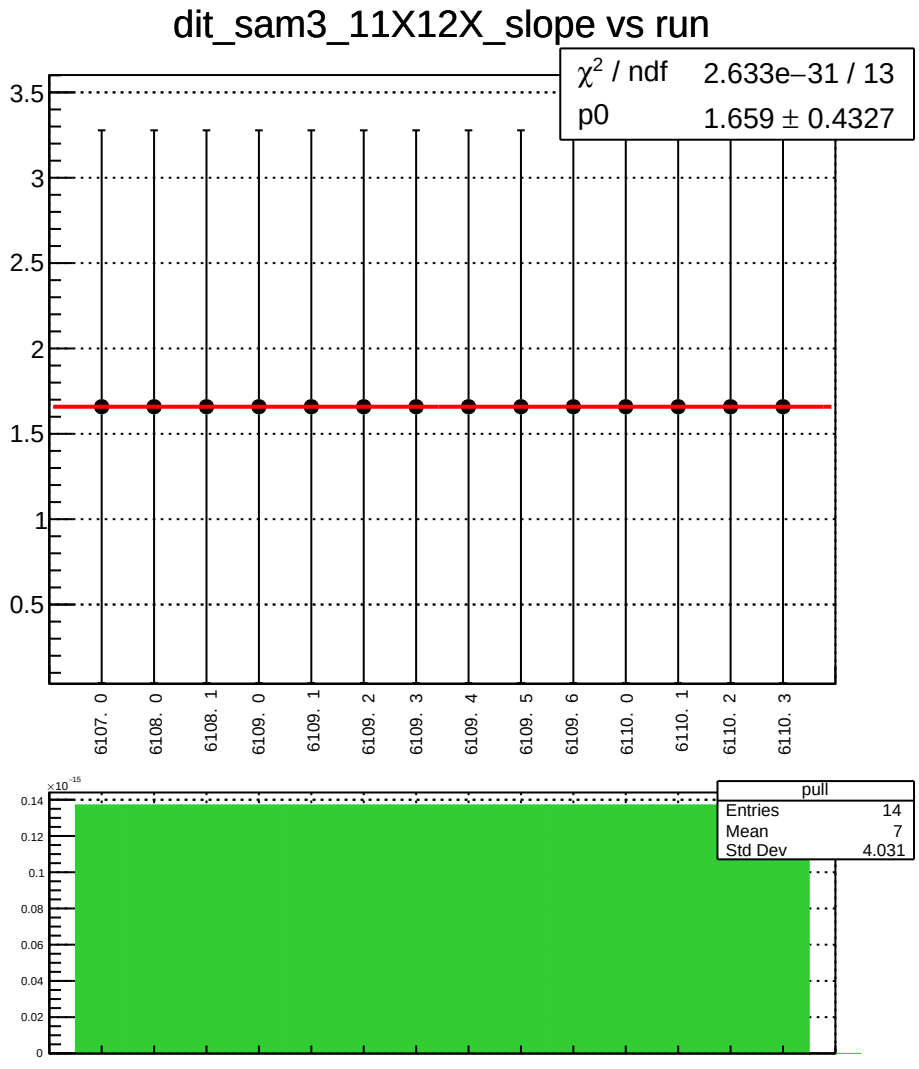

dit_sam3_4aX_slope vs run
χ² / ndf 3.356e−31 / 13
p0 −8.789 ± 3.066
0
−5
−10
−15
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

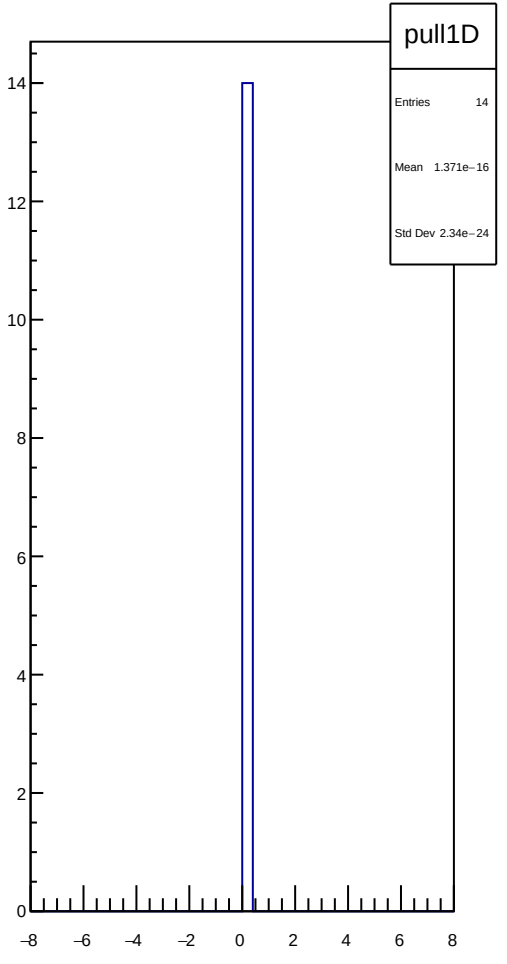

×10⁻¹⁵
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 14
Mean 7
Std Dev 4.031

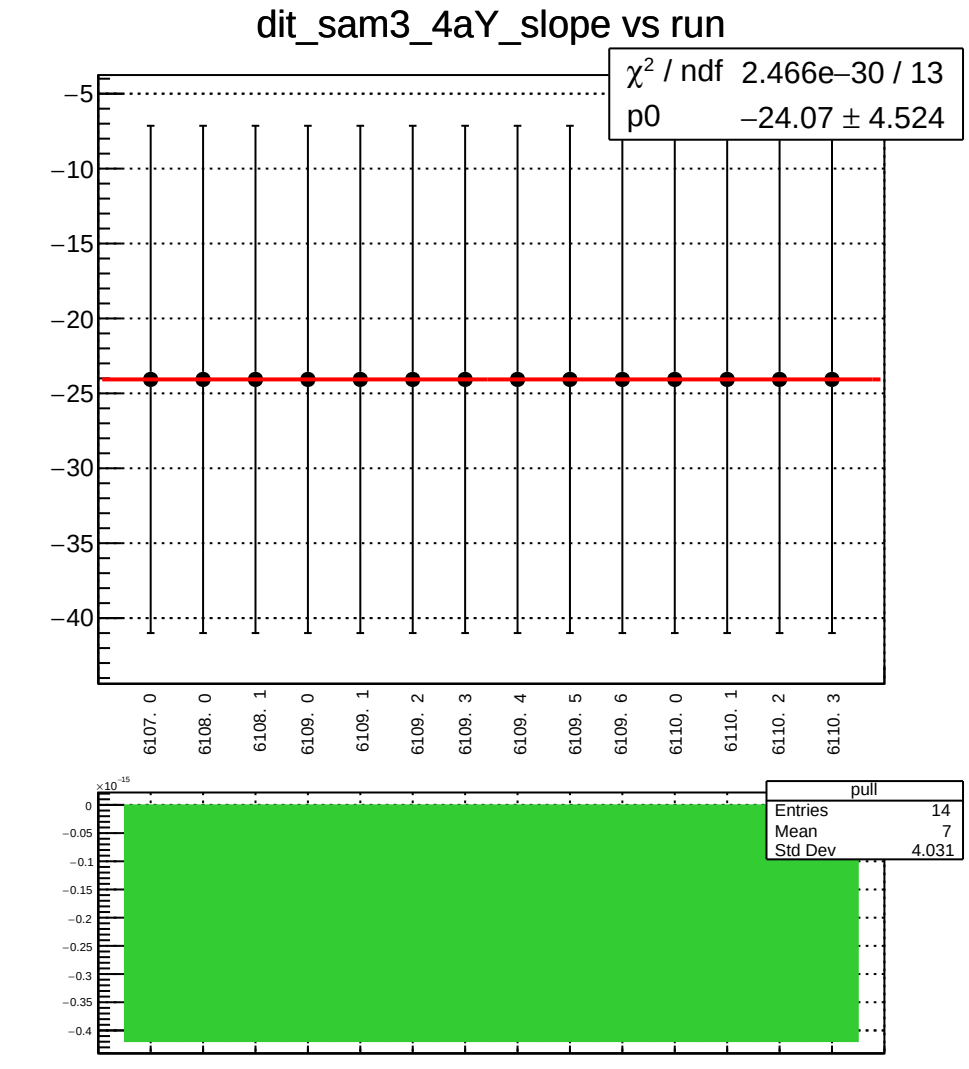

pull1D
Entries 14
Mean 1.548e−16
Std Dev3.699e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

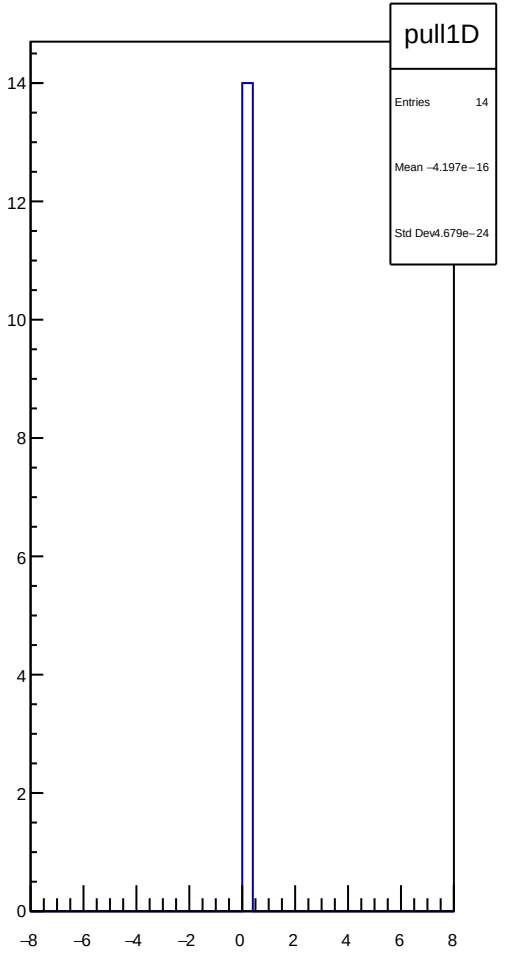

dit_sam3_4eX_slope vs run
χ² / ndf 9.425e−29 / 13
p0 −143.5 ± 2.928
−135
−140
−145
−150
−155
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 14
Mean 7
Std Dev 4.031

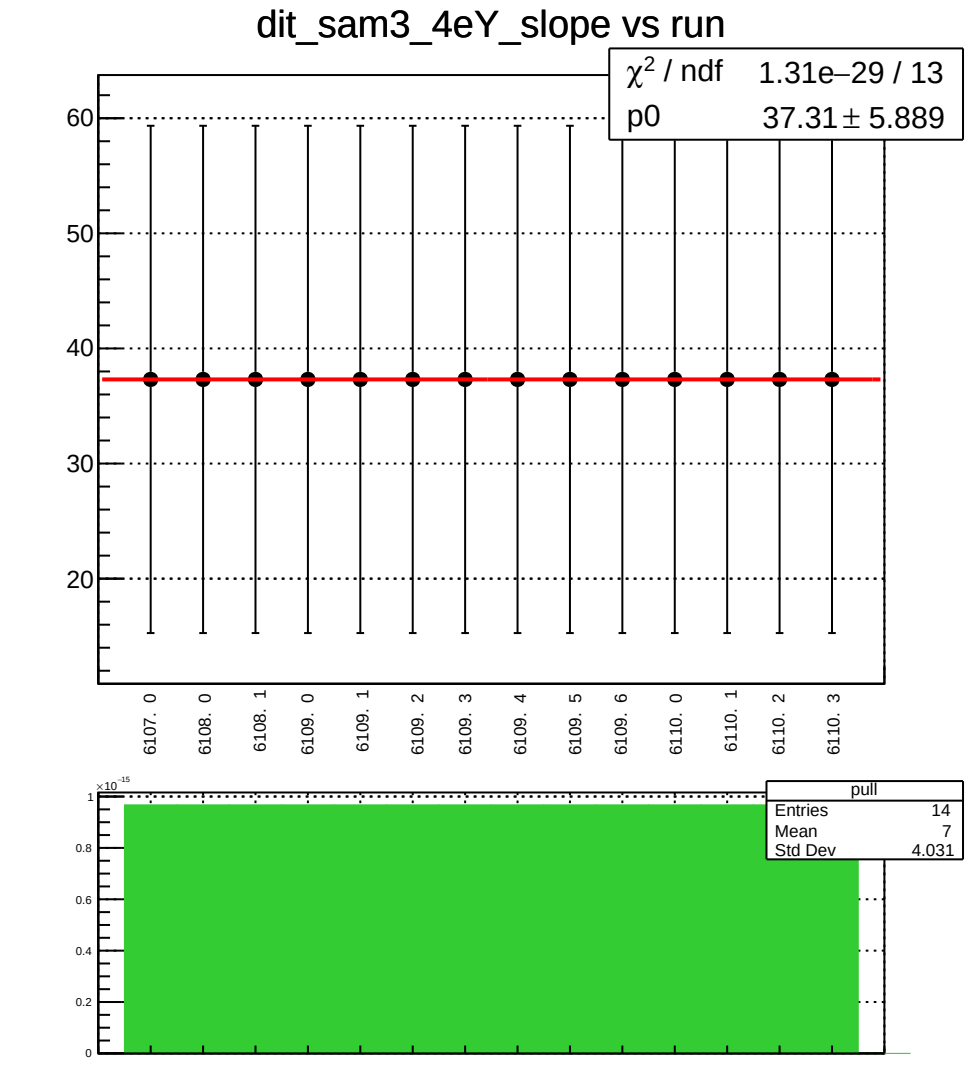

pull1D
Entries 14
Mean −2.595e−15
Std Dev6.484e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

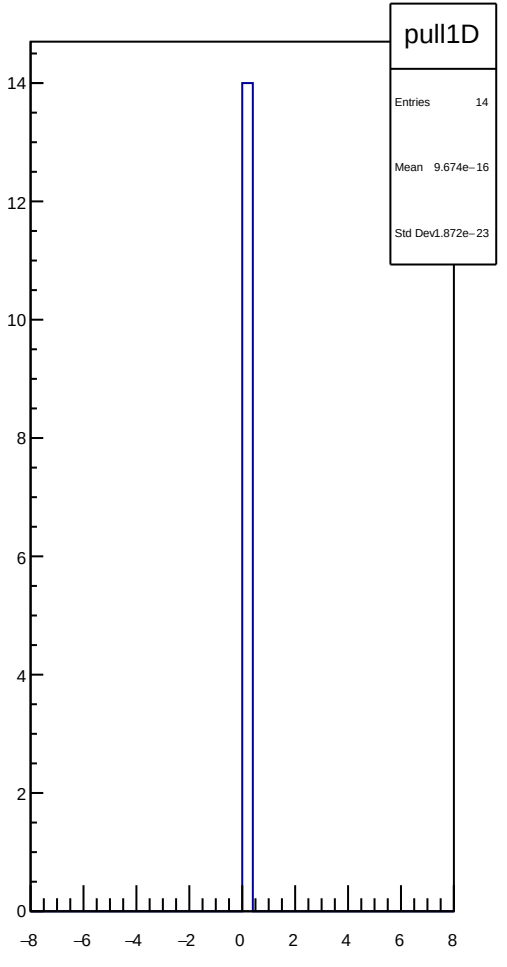

dit_sam3_11X12X_slope vs run
χ² / ndf 2.633e−31 / 13
p0 1.659 ± 0.4327
3.5
3
2.5
2
1.5
1
0.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 14
Mean 7
Std Dev 4.031

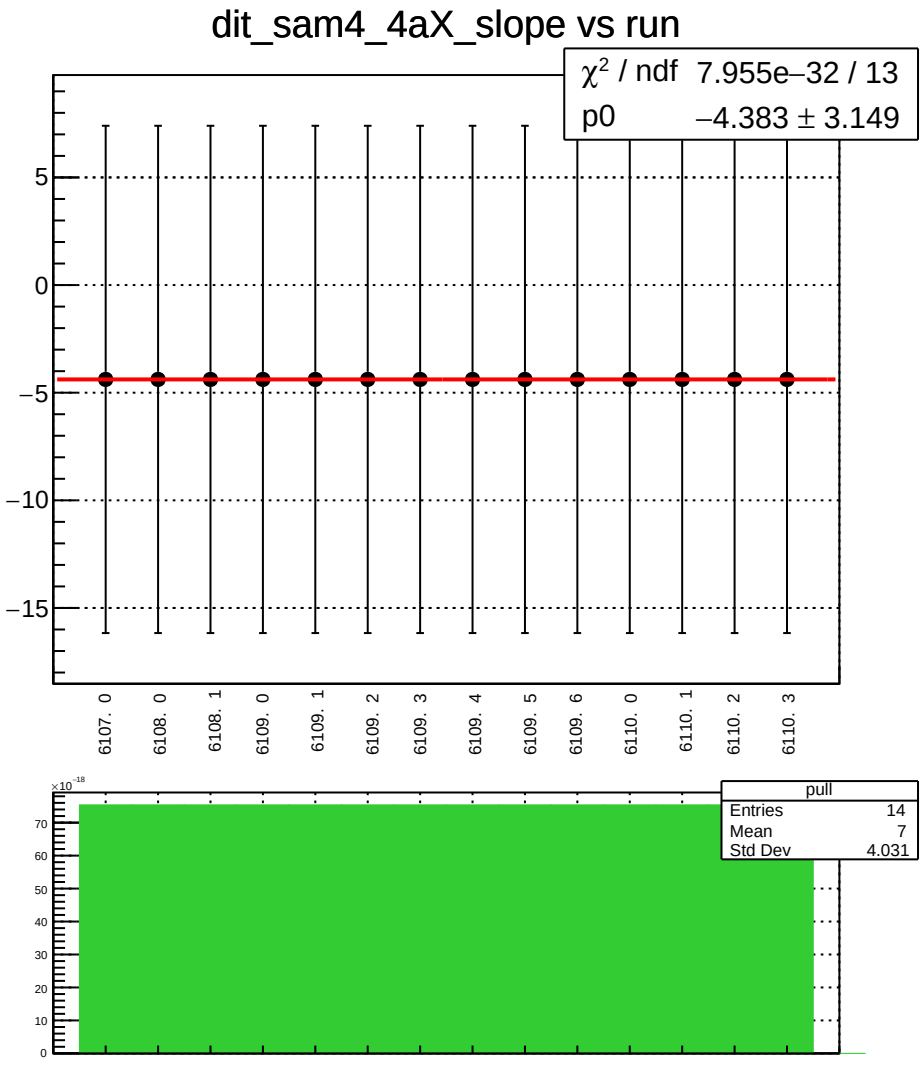

pull1D
Entries 14
Mean 1.371e−16
Std Dev 2.34e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

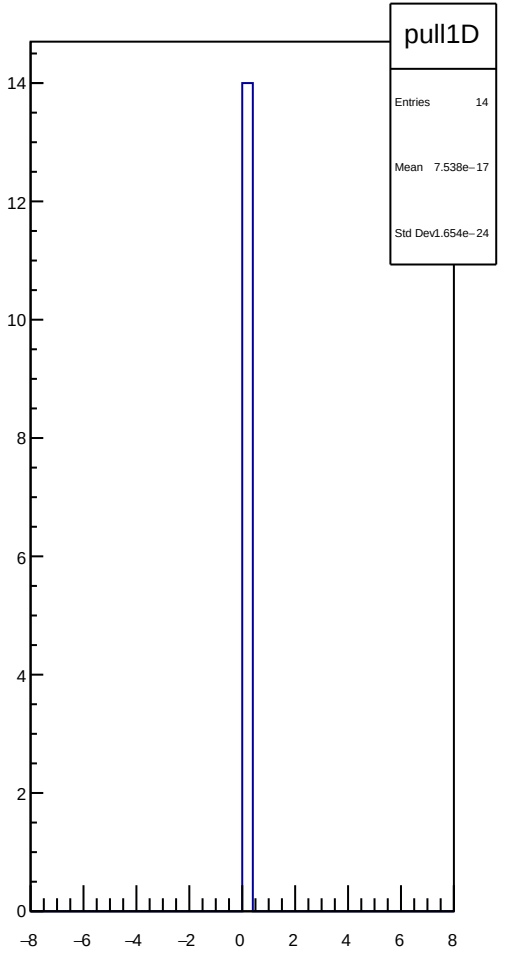

dit_sam3_4aY_slope vs run
χ² / ndf 2.466e−30 / 13
p0 −24.07 ± 4.524
−5
−10
−15
−20
−25
−30
−35
−40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 14
Mean 7
Std Dev 4.031

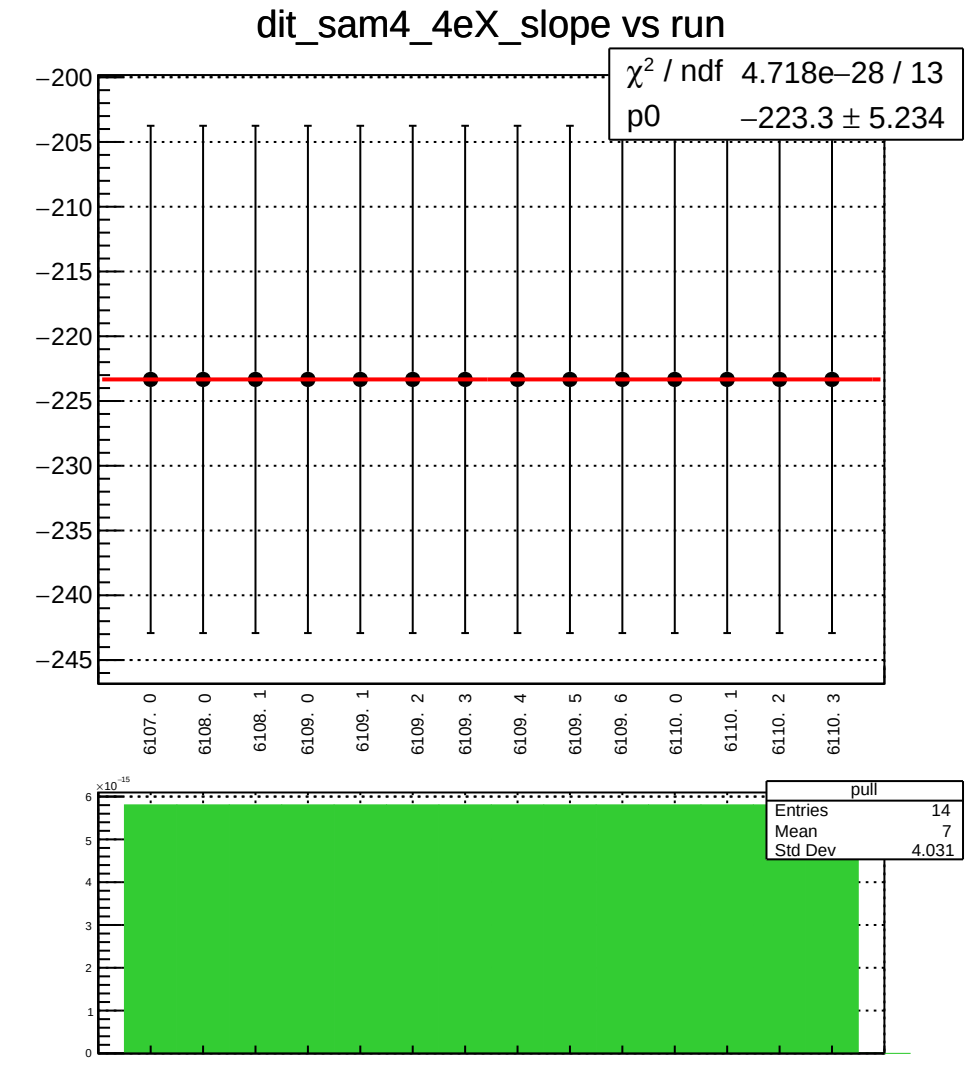

pull1D
Entries 14
Mean −4.197e−16
Std Dev4.679e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

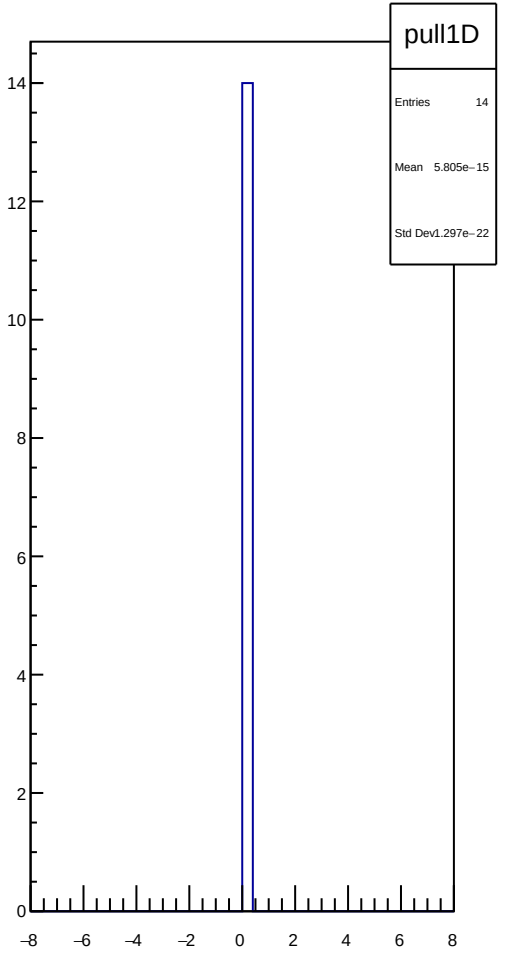

dit_sam3_4eY_slope vs run
χ² / ndf 1.31e−29 / 13
p0 37.31 ± 5.889
60
50
40
30
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull
Entries 14
Mean 7
Std Dev 4.031

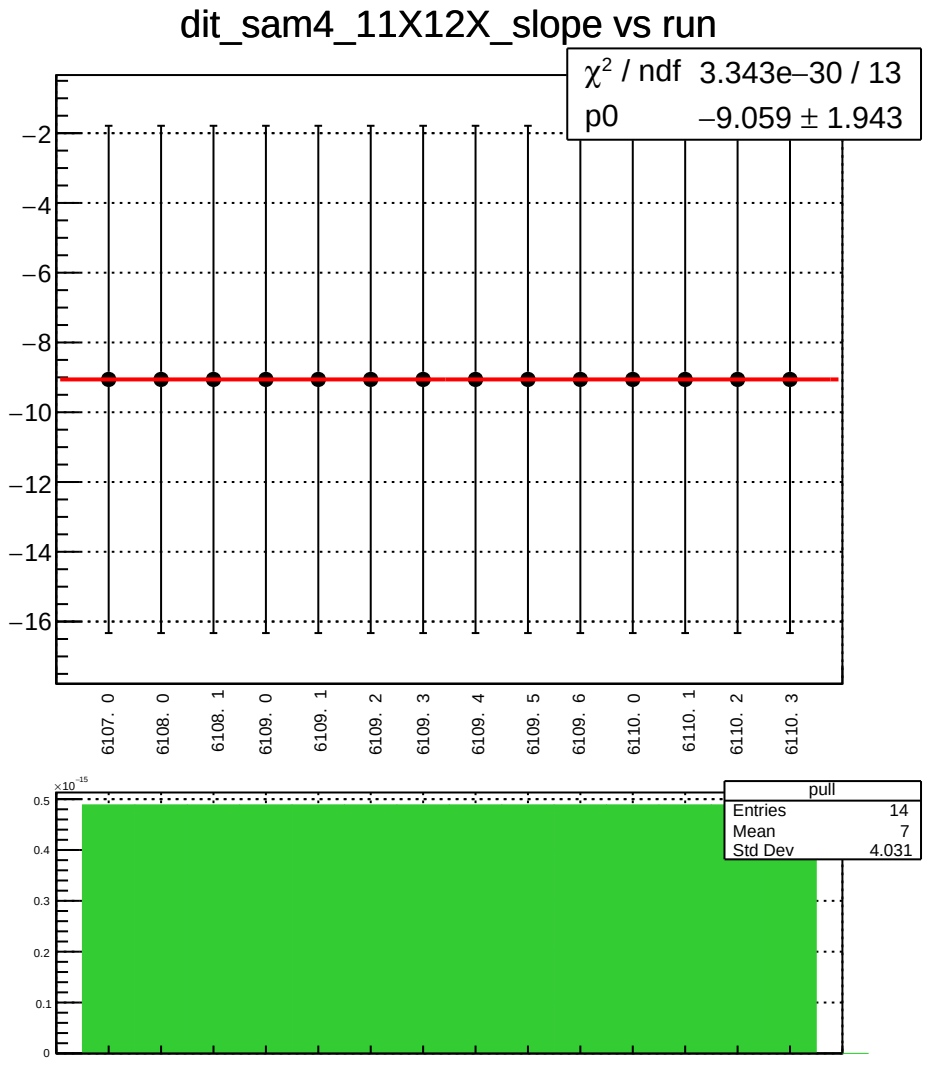

pull1D
Entries 14
Mean 9.674e−16
Std Dev1.872e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

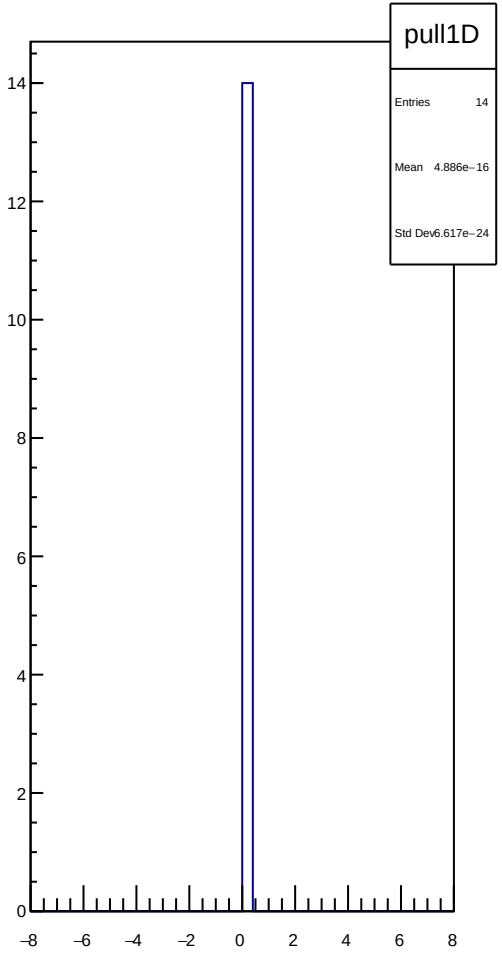

dit_sam4_4aX_slope vs run
χ² / ndf 7.955e−32 / 13
p0 −4.383 ± 3.149
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁸
70
60
50
40
30
20
10
0
pull
Entries 14
Mean 7
Std Dev 4.031

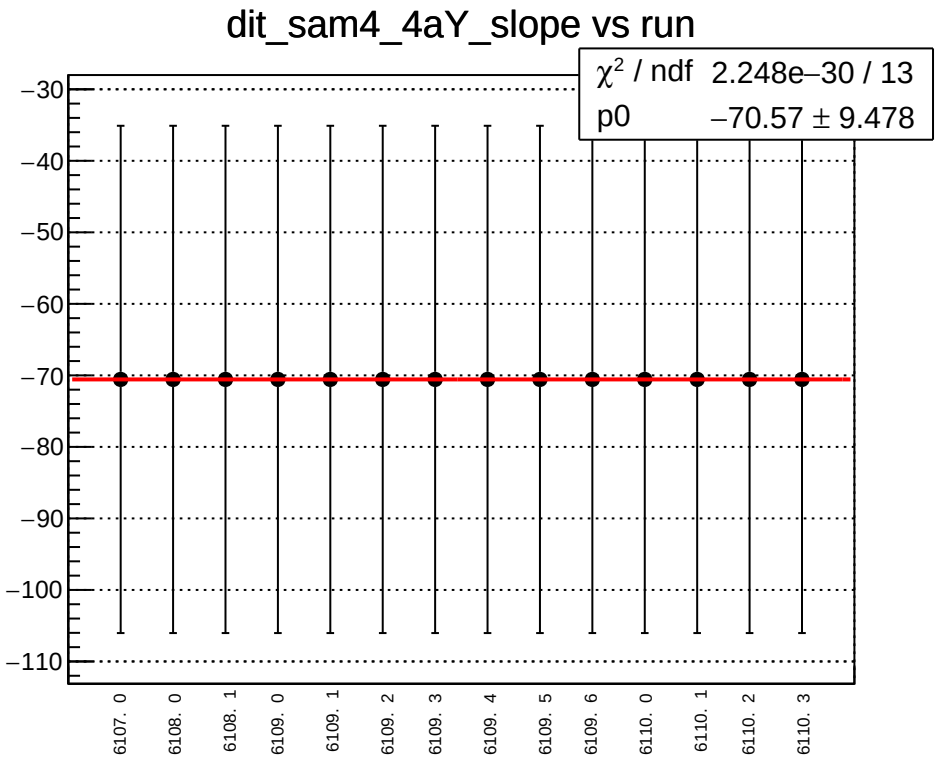

pull1D
Entries 14
Mean 7.538e−17
Std Dev1.654e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

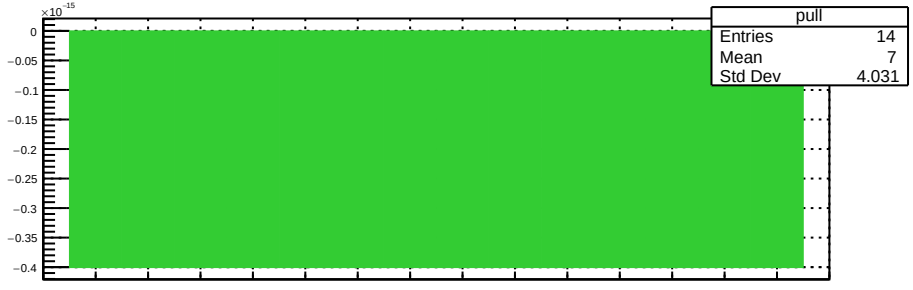

dit_sam4_4eX_slope vs run
χ² / ndf 4.718e−28 / 13
p0 −223.3 ± 5.234
−200
−205
−210
−215
−220
−225
−230
−235
−240
−245
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
pull
Entries 14
Mean 7
Std Dev 4.031

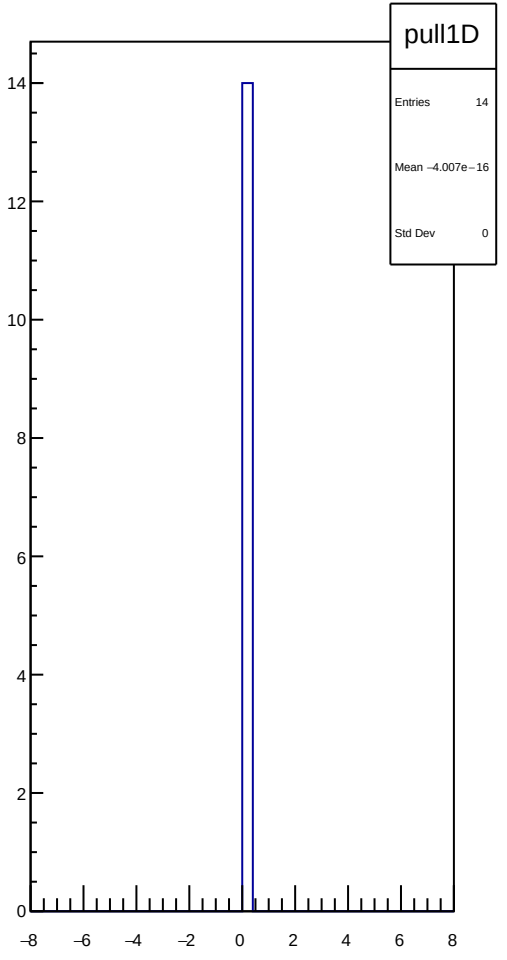

pull1D
Entries 14
Mean 5.805e−15
Std Dev1.297e−22

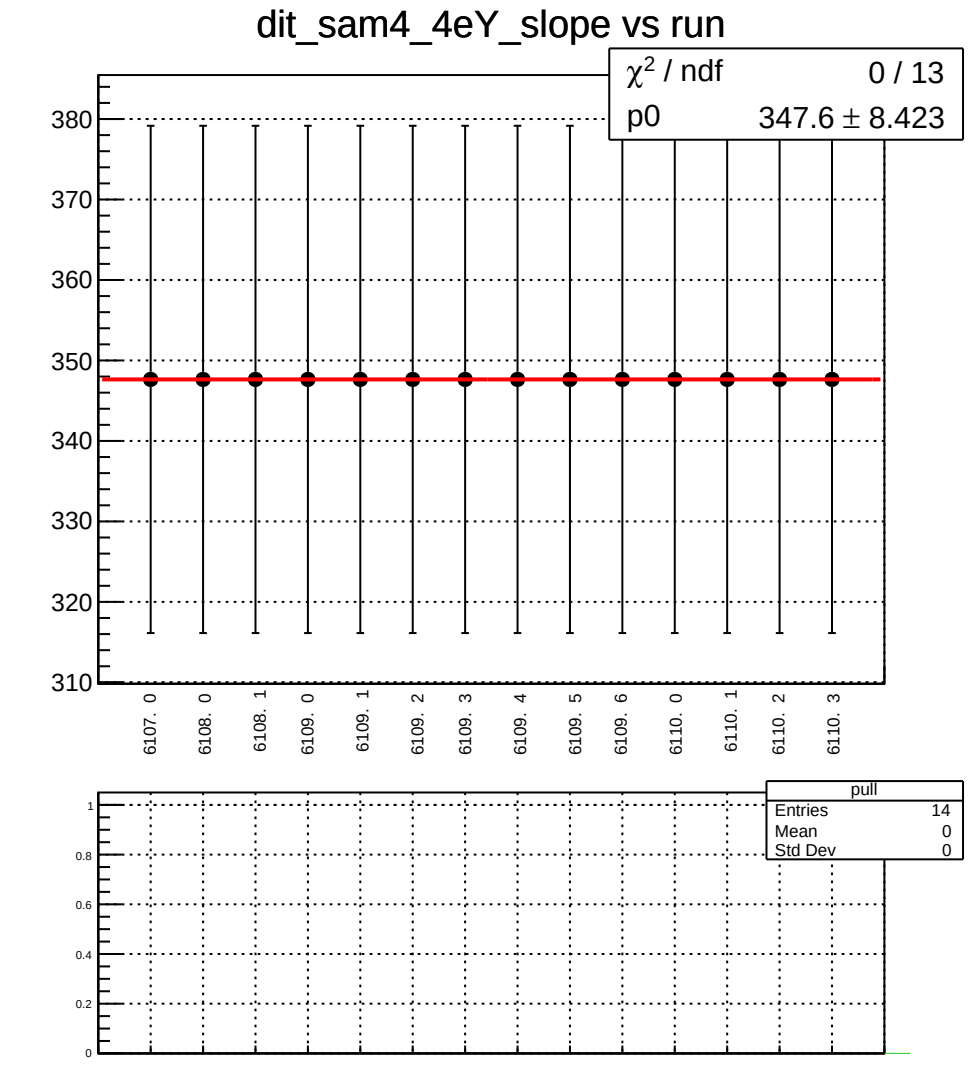

dit_sam4_11X12X_slope vs run
χ² / ndf 3.343e−30 / 13
p0 −9.059 ± 1.943
−2
−4
−6
−8
−10
−12
−14
−16
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 14
Mean 7
Std Dev 4.031

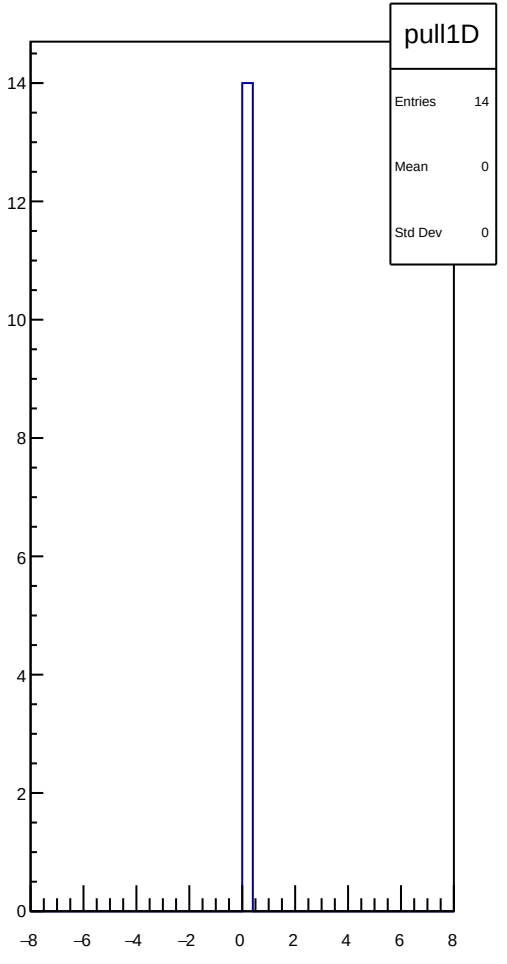

pull1D
Entries 14
Mean 4.886e−16
Std Dev 6.617e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

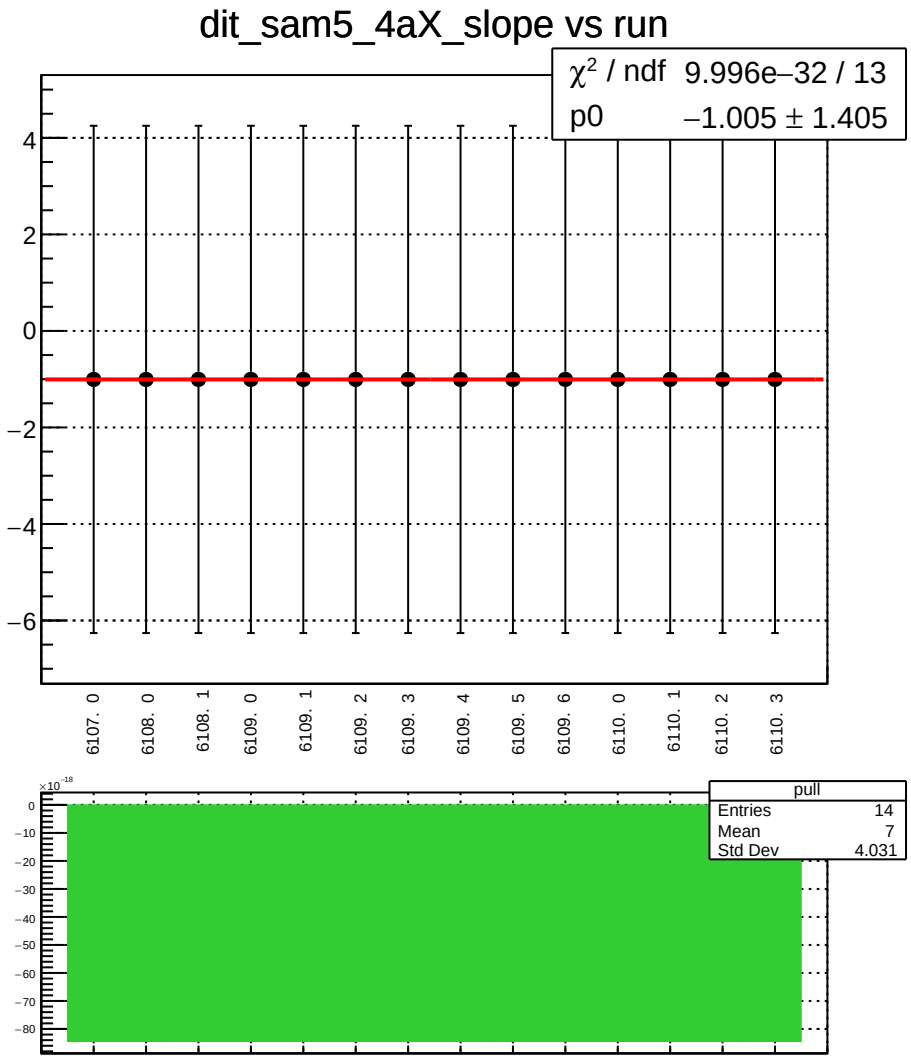

dit_sam4_4aY_slope vs run
χ² / ndf 2.248e−30 / 13
p0 −70.57 ± 9.478
−30
−40
−50
−60
−70
−80
−90
−100
−110
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

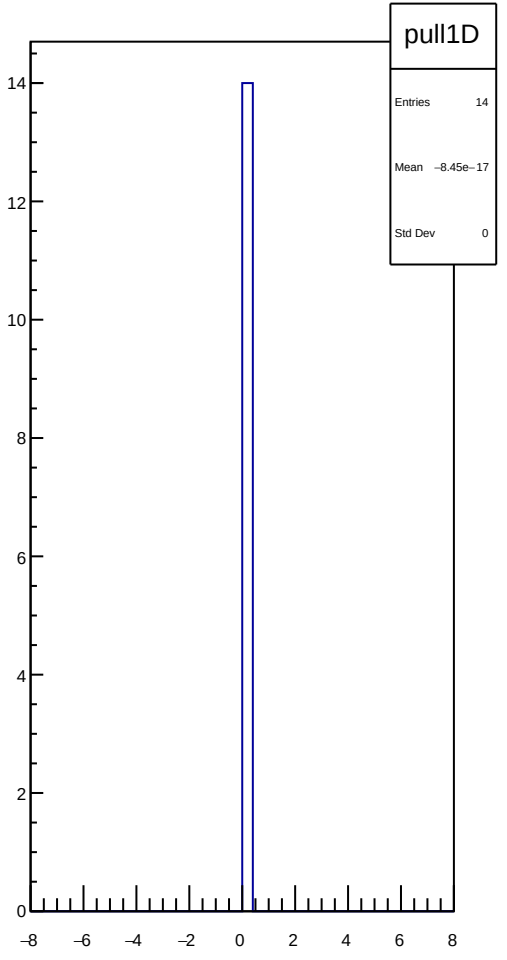

×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 14
Mean 7
Std Dev 4.031

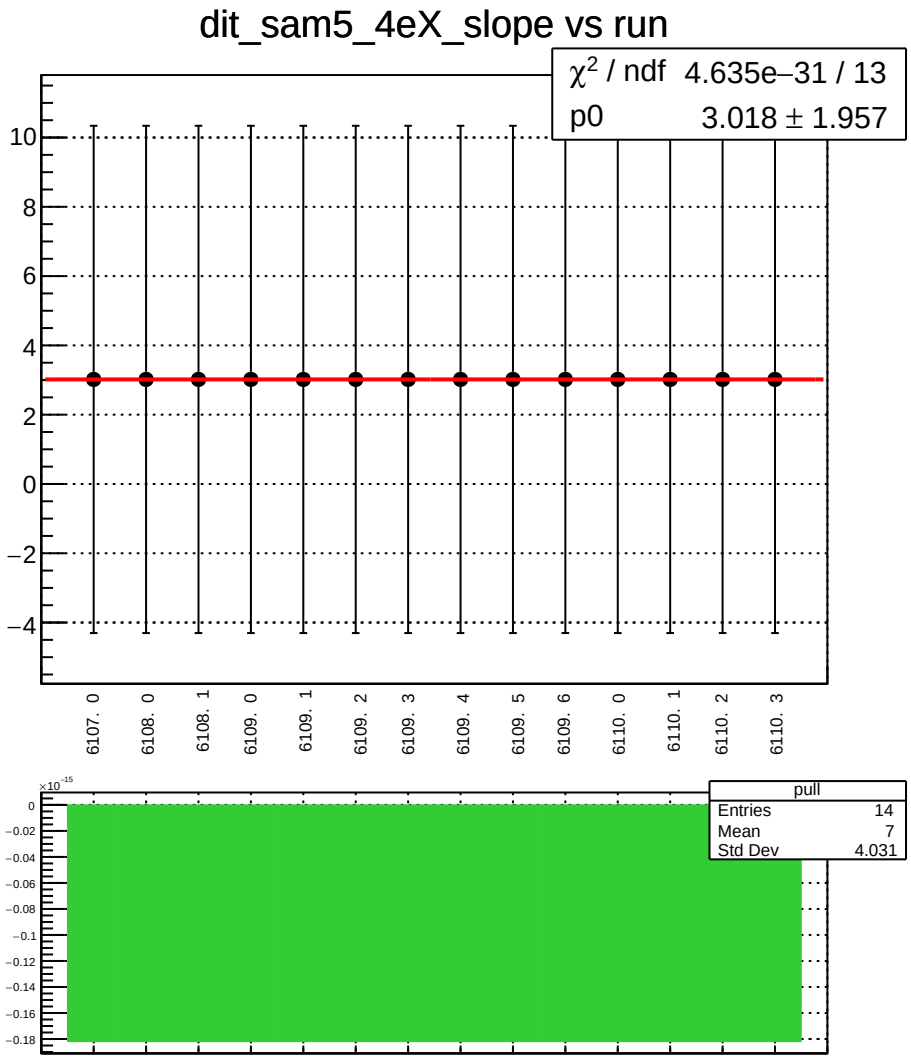

pull1D
Entries 14
Mean −4.007e−16
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

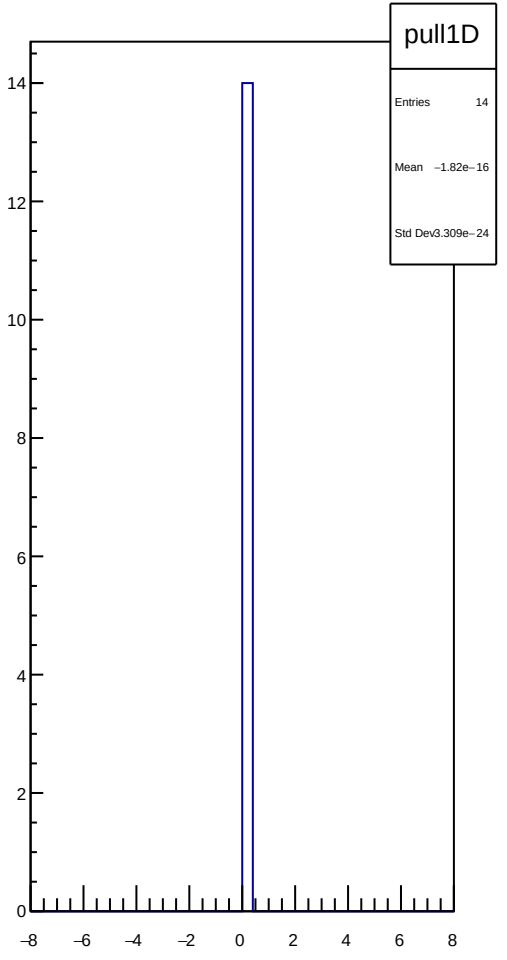

dit_sam4_4eY_slope vs run
χ² / ndf 0 / 13
p0 347.6 ± 8.423
380
370
360
350
340
330
320
310
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

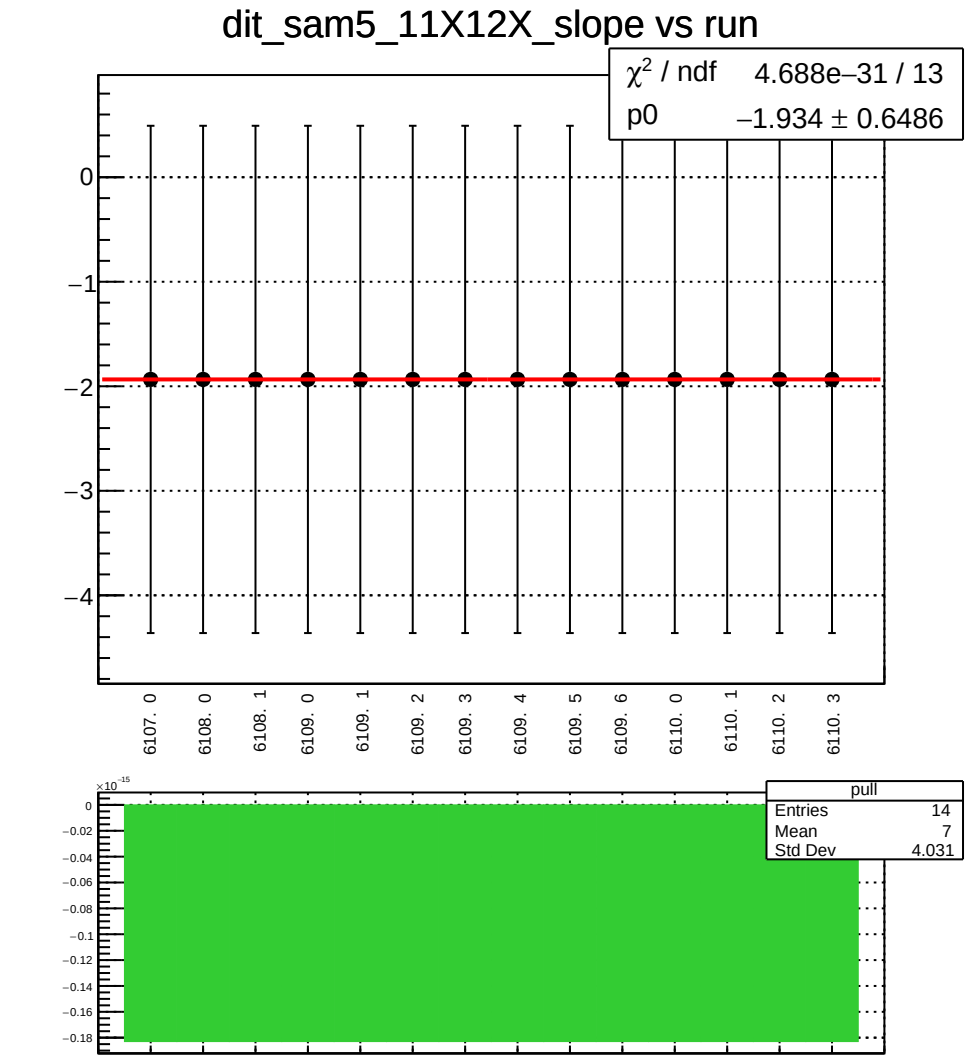

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

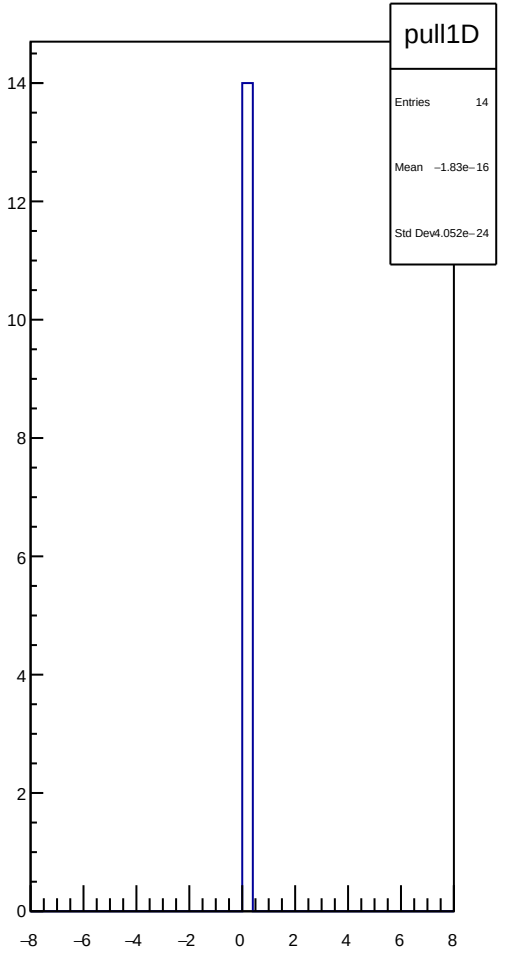

dit_sam5_4aX_slope vs run
χ² / ndf 9.996e−32 / 13
p0 −1.005 ± 1.405
4
2
0
−2
−4
−6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁸
0
−10
−20
−30
−40
−50
−60
−70
−80
pull
Entries 14
Mean 7
Std Dev 4.031

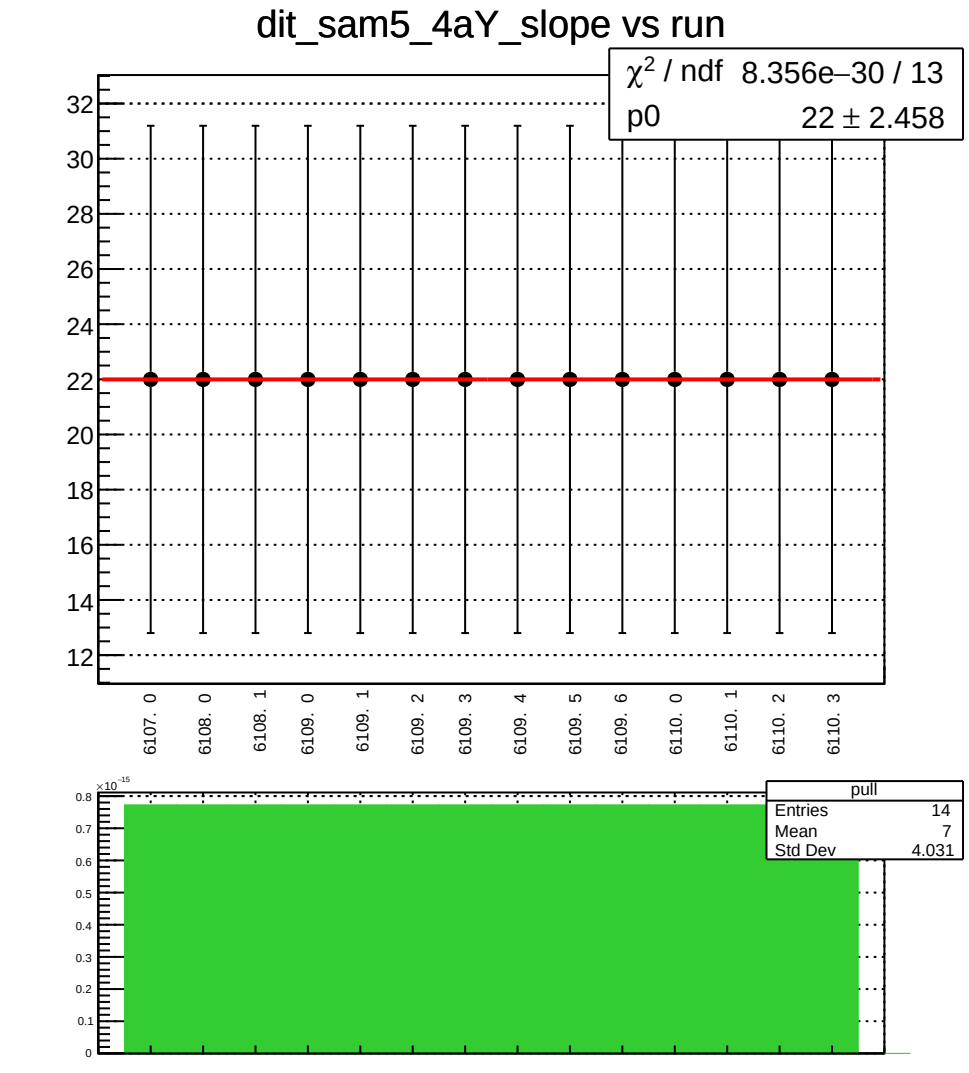

pull1D
Entries 14
Mean −8.45e−17
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

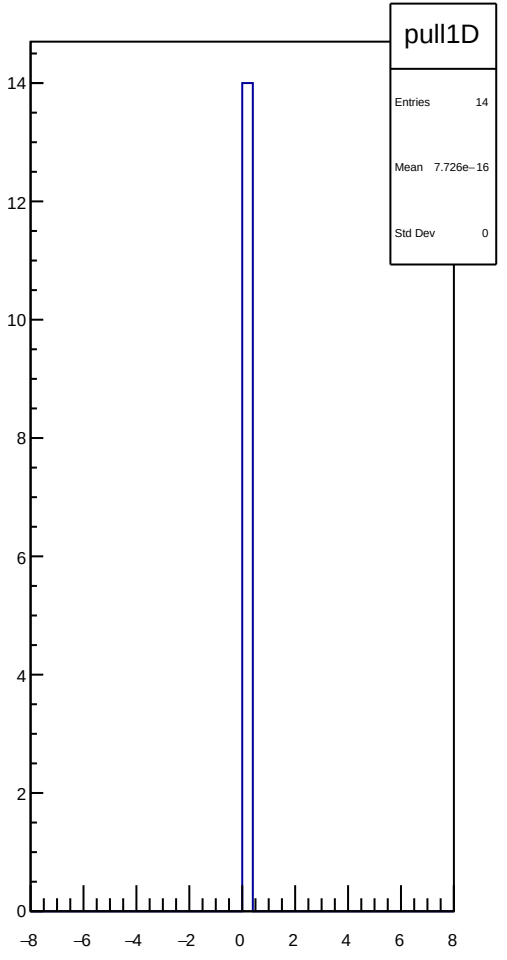

dit_sam5_4eX_slope vs run
χ² / ndf 4.635e−31 / 13
p0 3.018 ± 1.957
10
8
6
4
2
0
−2
−4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 14
Mean 7
Std Dev 4.031

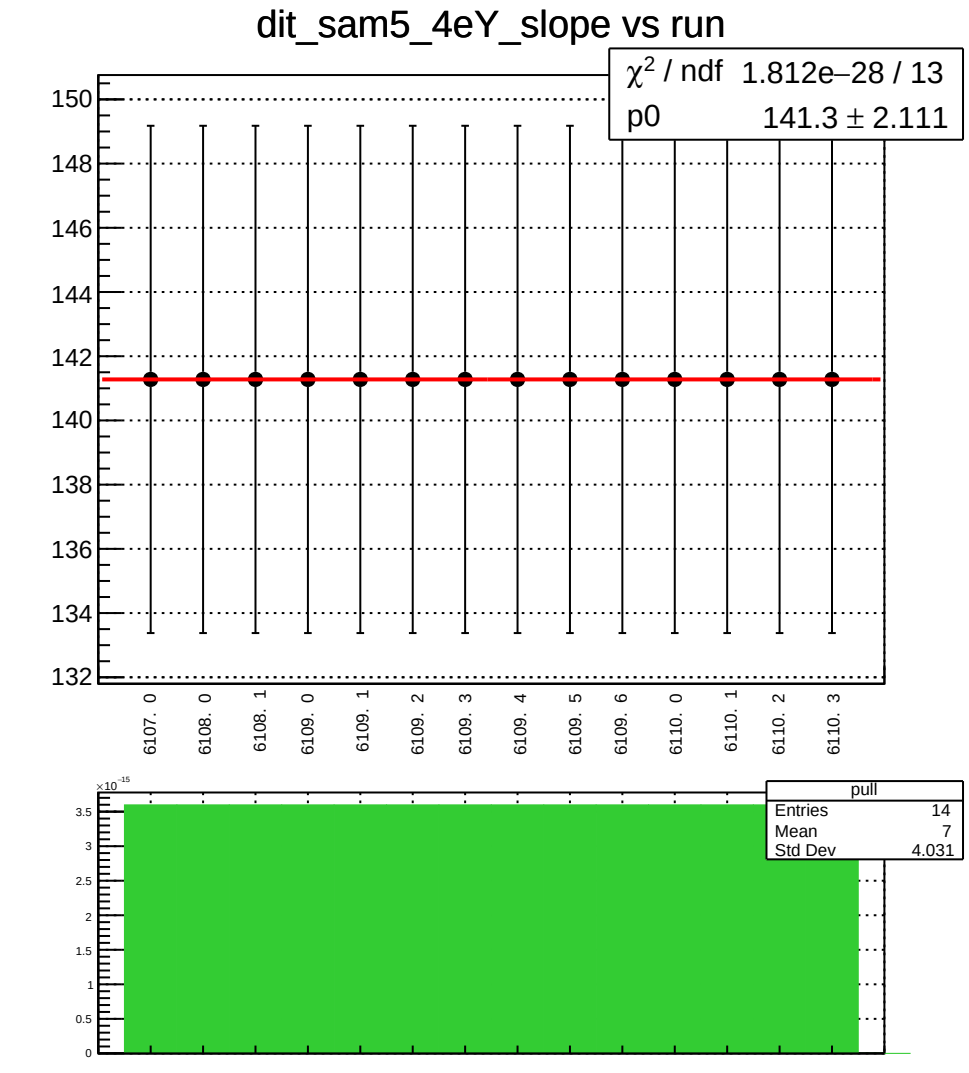

pull1D
Entries 14
Mean −1.82e−16
Std Dev3.309e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

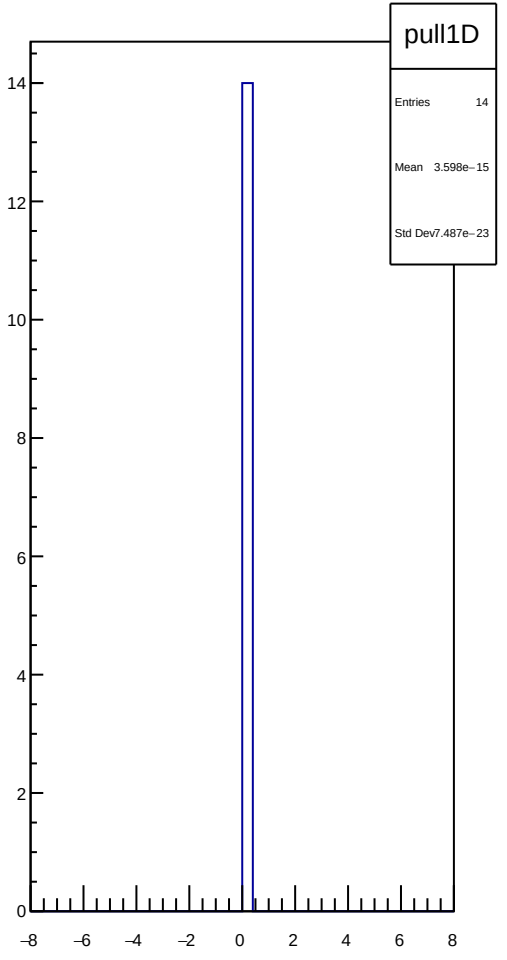

dit_sam5_11X12X_slope vs run
χ² / ndf 4.688e−31 / 13
p0 −1.934 ± 0.6486
0
−1
−2
−3
−4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 14
Mean 7
Std Dev 4.031

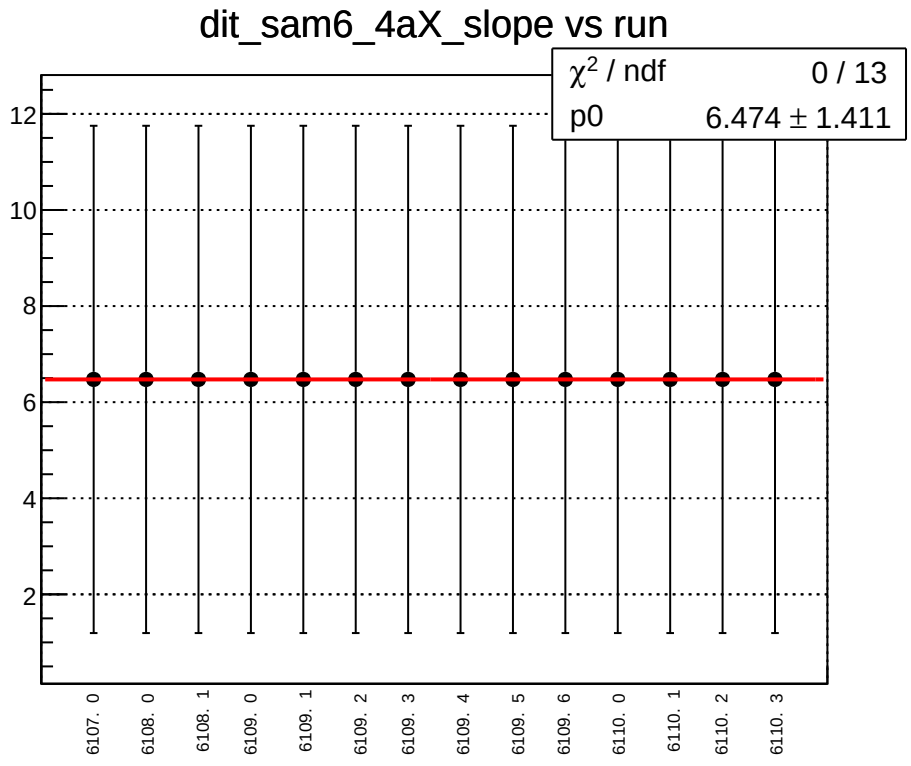

pull1D
Entries 14
Mean −1.83e−16
Std Dev4.052e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

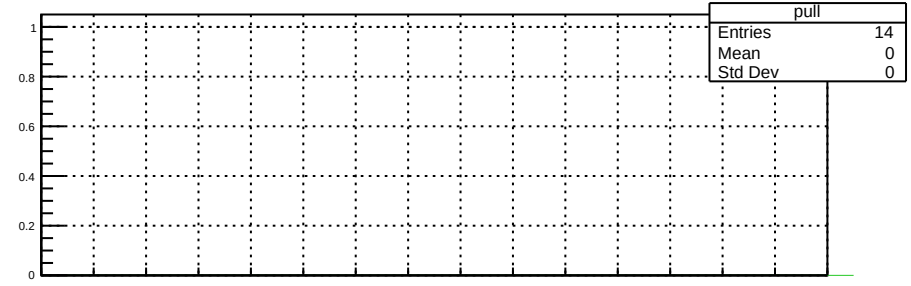

dit_sam5_4aY_slope vs run
χ² / ndf 8.356e−30 / 13
p0 22 ± 2.458
32
30
28
26
24
22
20
18
16
14
12
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 14
Mean 7
Std Dev 4.031

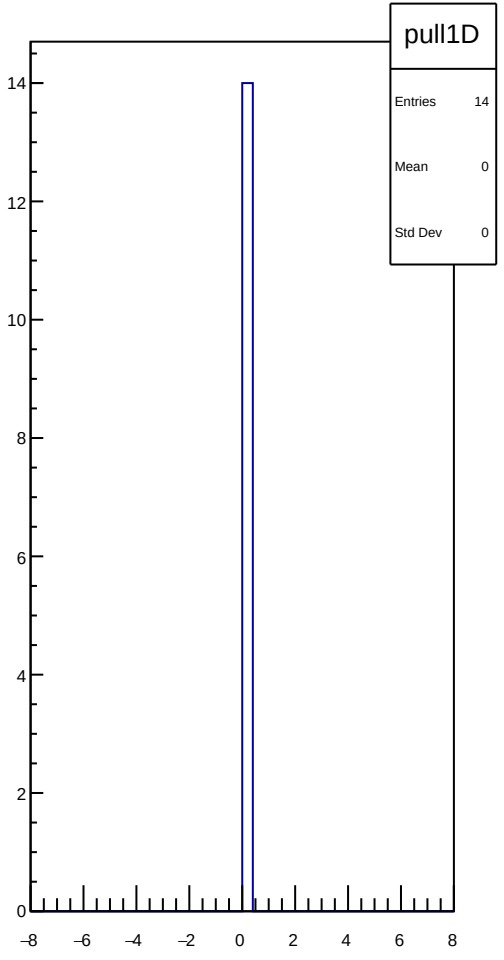

pull1D
Entries 14
Mean 7.726e−16
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

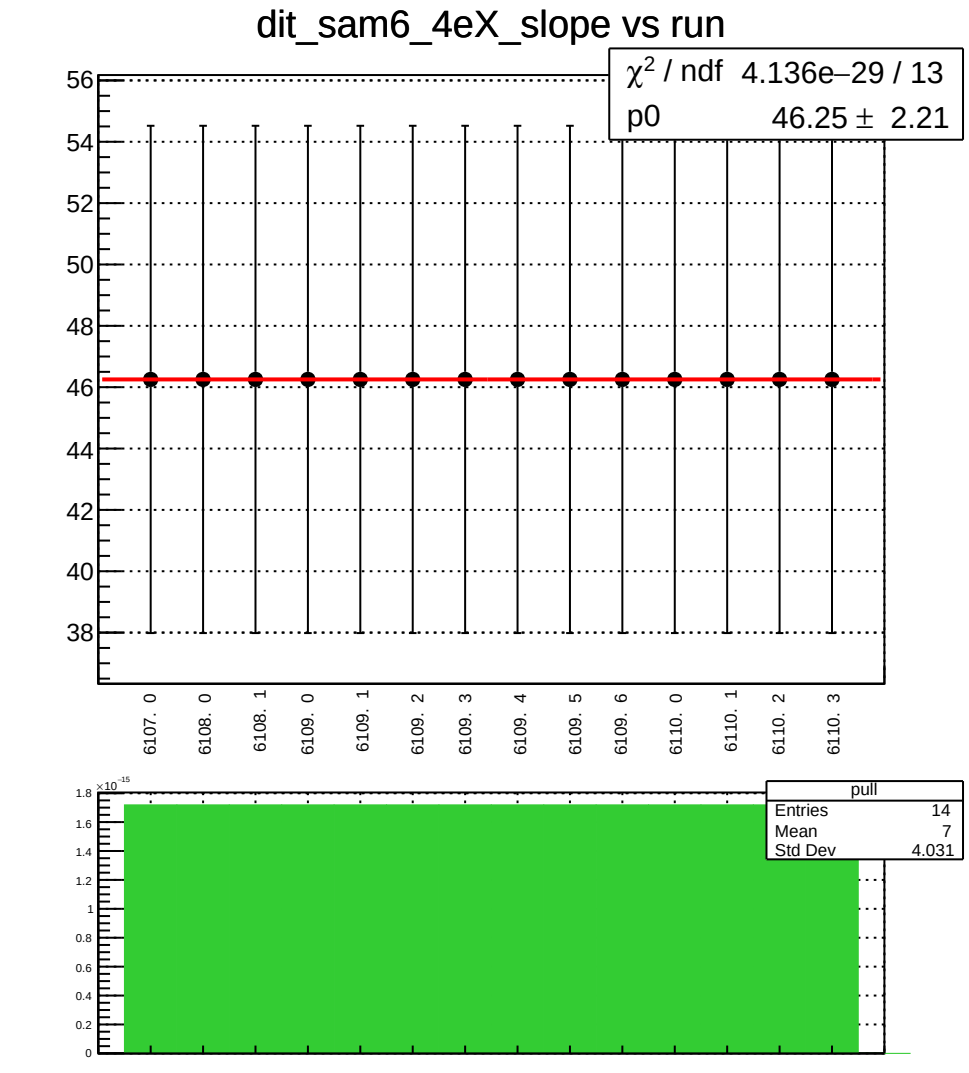

dit_sam5_4eY_slope vs run
χ² / ndf 1.812e−28 / 13
p0 141.3 ± 2.111
150
148
146
144
142
140
138
136
134
132
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 14
Mean 7
Std Dev 4.031

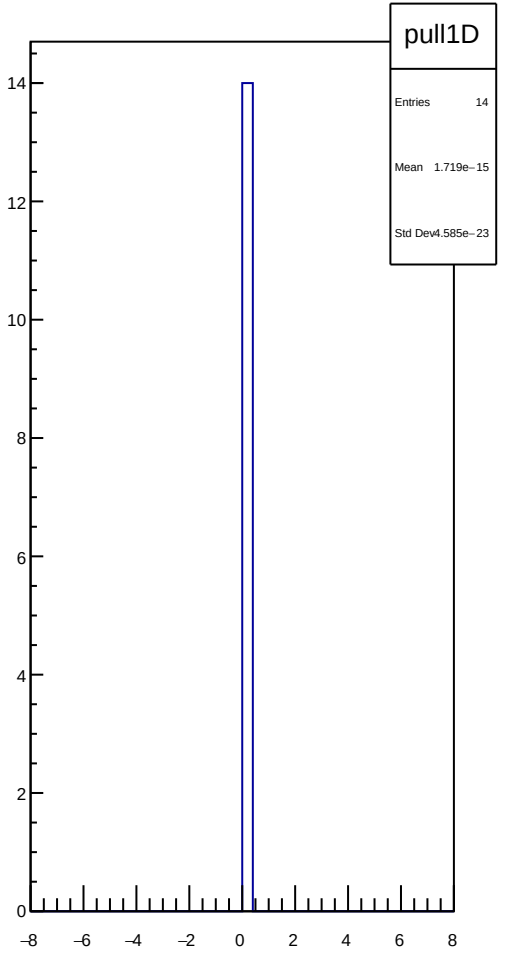

pull1D
Entries 14
Mean 3.598e−15
Std Dev7.487e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

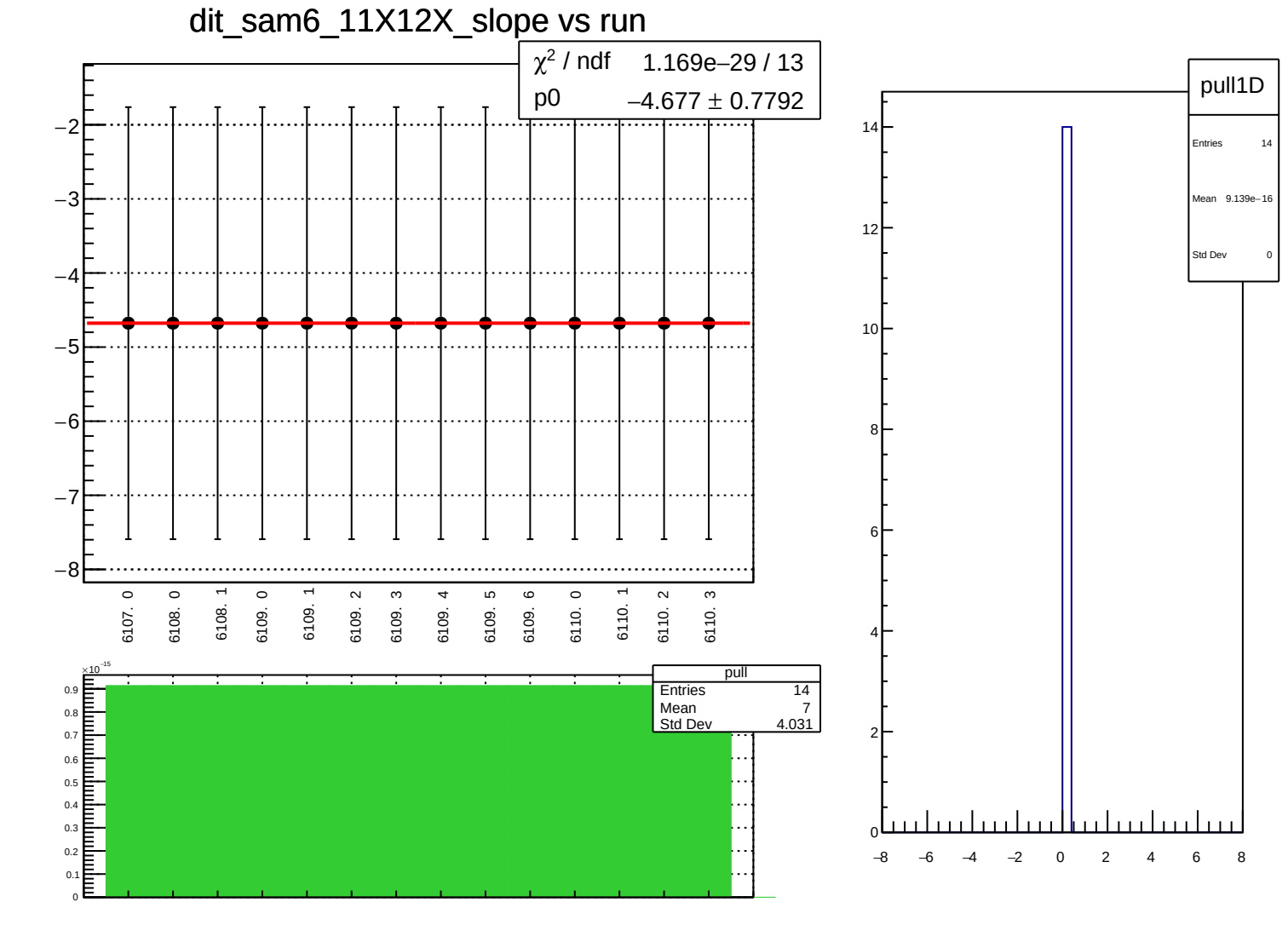

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 13
p0 6.474 ± 1.411
12
10
8
6
4
2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

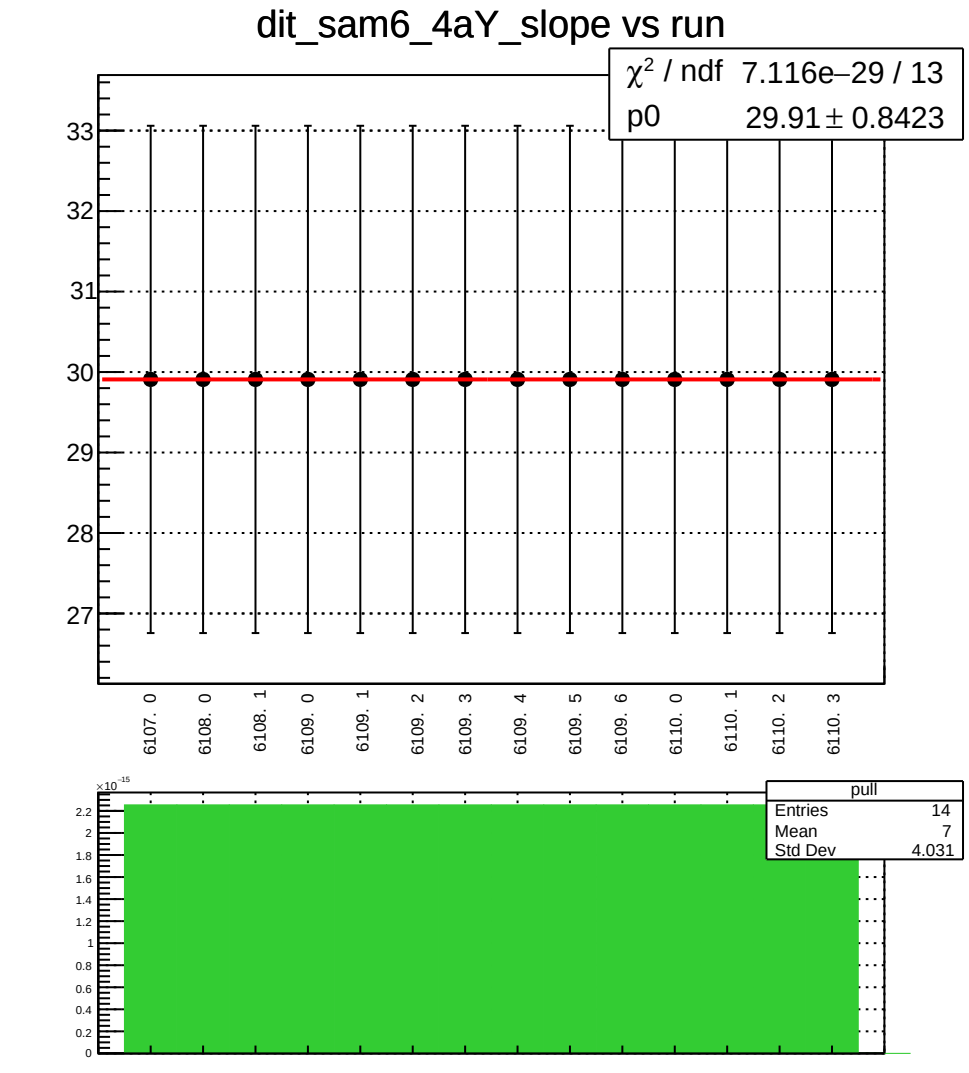

pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

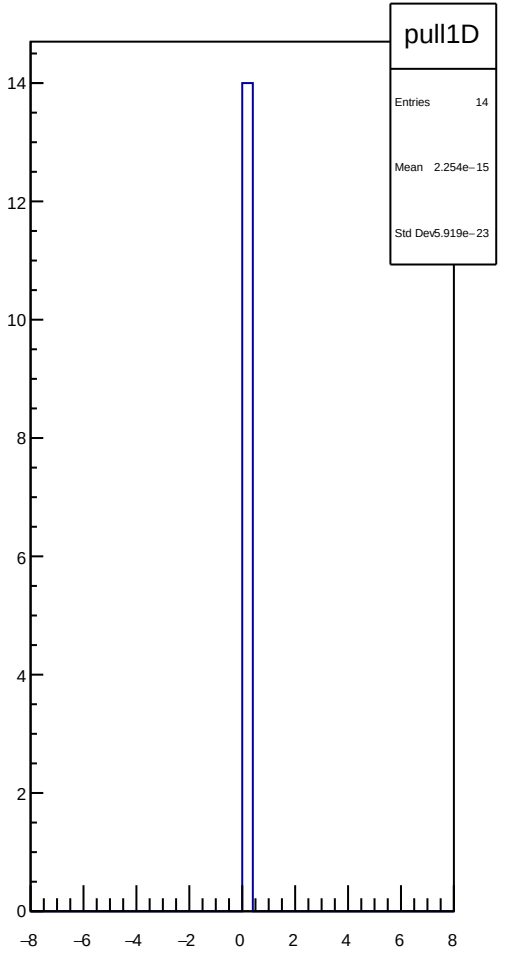

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

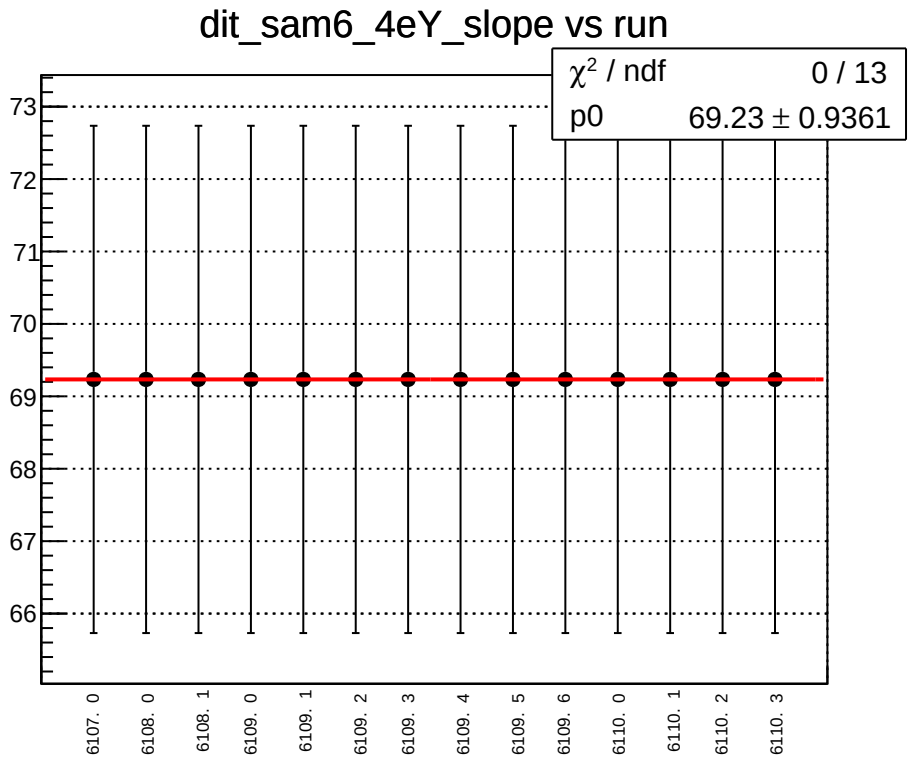

dit_sam6_4eX_slope vs run
χ² / ndf 4.136e−29 / 13
p0 46.25 ± 2.21
56
54
52
50
48
46
44
42
40
38
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 14
Mean 7
Std Dev 4.031

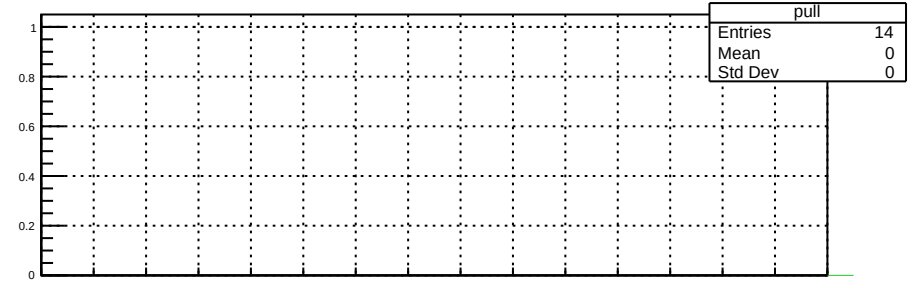

pull1D
Entries 14
Mean 1.719e−15
Std Dev4.585e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

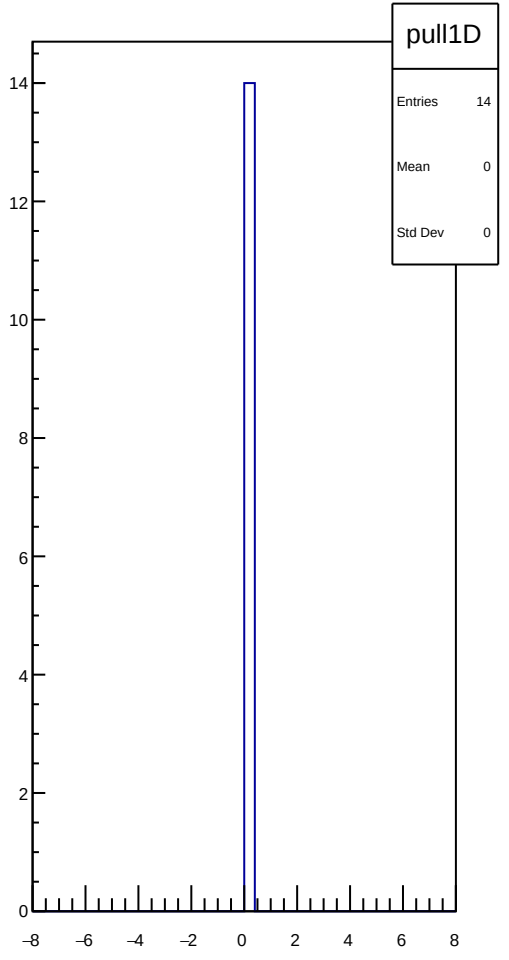

dit_sam6_11X12X_slope vs run
χ² / ndf 1.169e−29 / 13
p0 −4.677 ± 0.7792
−2
−3
−4
−5
−6
−7
−8
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 14
Mean 7
Std Dev 4.031
pull1D
Entries 14
Mean 9.139e−16
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

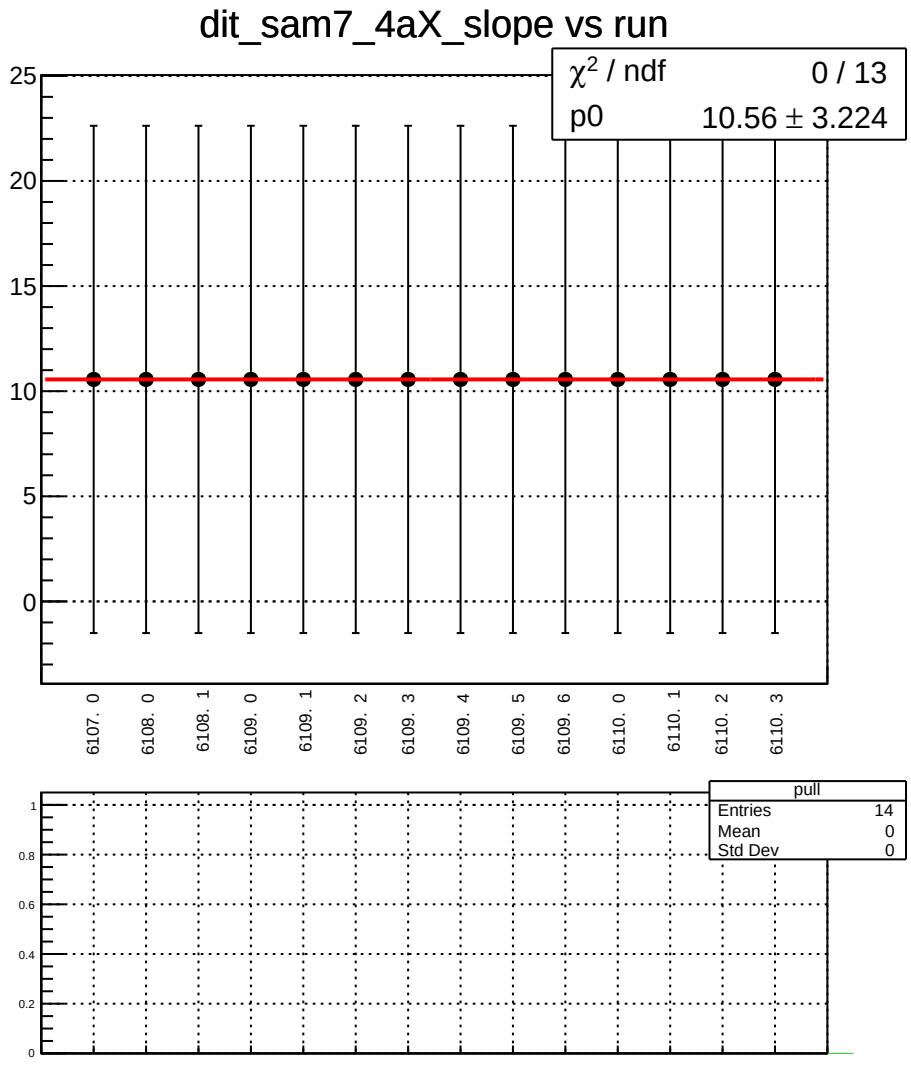

dit_sam6_4aY_slope vs run
χ² / ndf 7.116e−29 / 13
p0 29.91 ± 0.8423
33
32
31
30
29
28
27
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 14
Mean 7
Std Dev 4.031

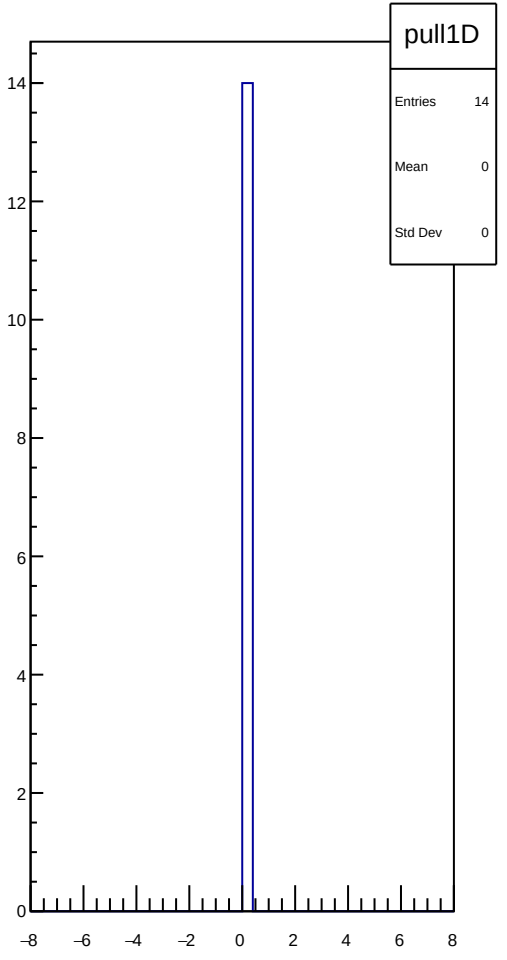

pull1D
Entries 14
Mean 2.254e−15
Std Dev5.919e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

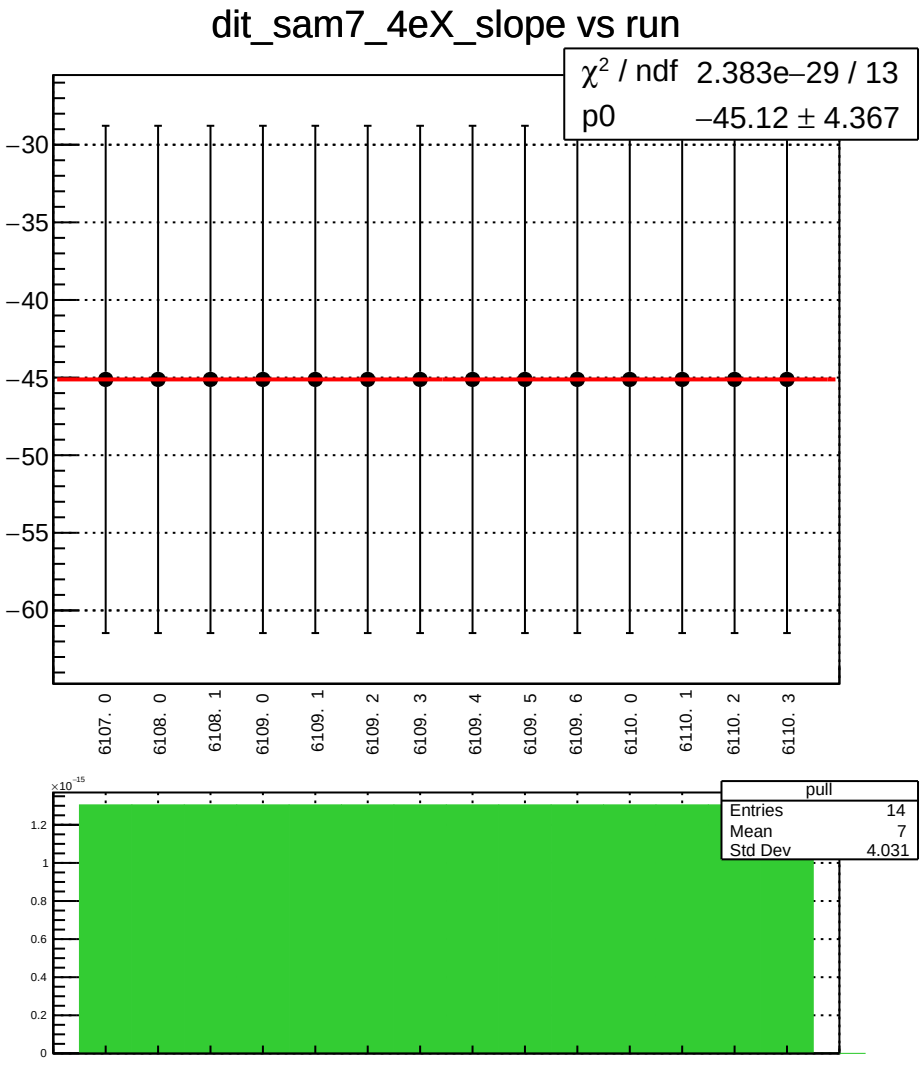

dit_sam6_4eY_slope vs run
χ² / ndf 0 / 13
p0 69.23 ± 0.9361
73
72
71
70
69
68
67
66
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

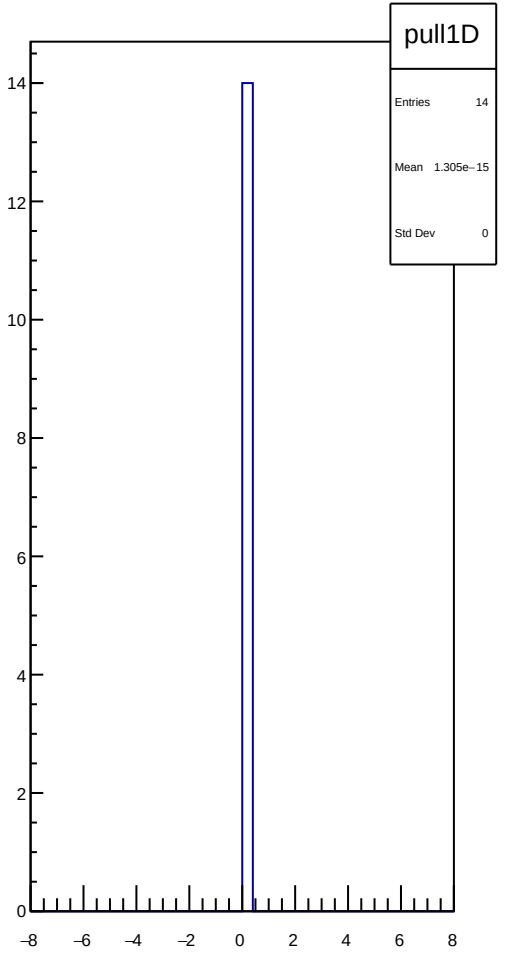

pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

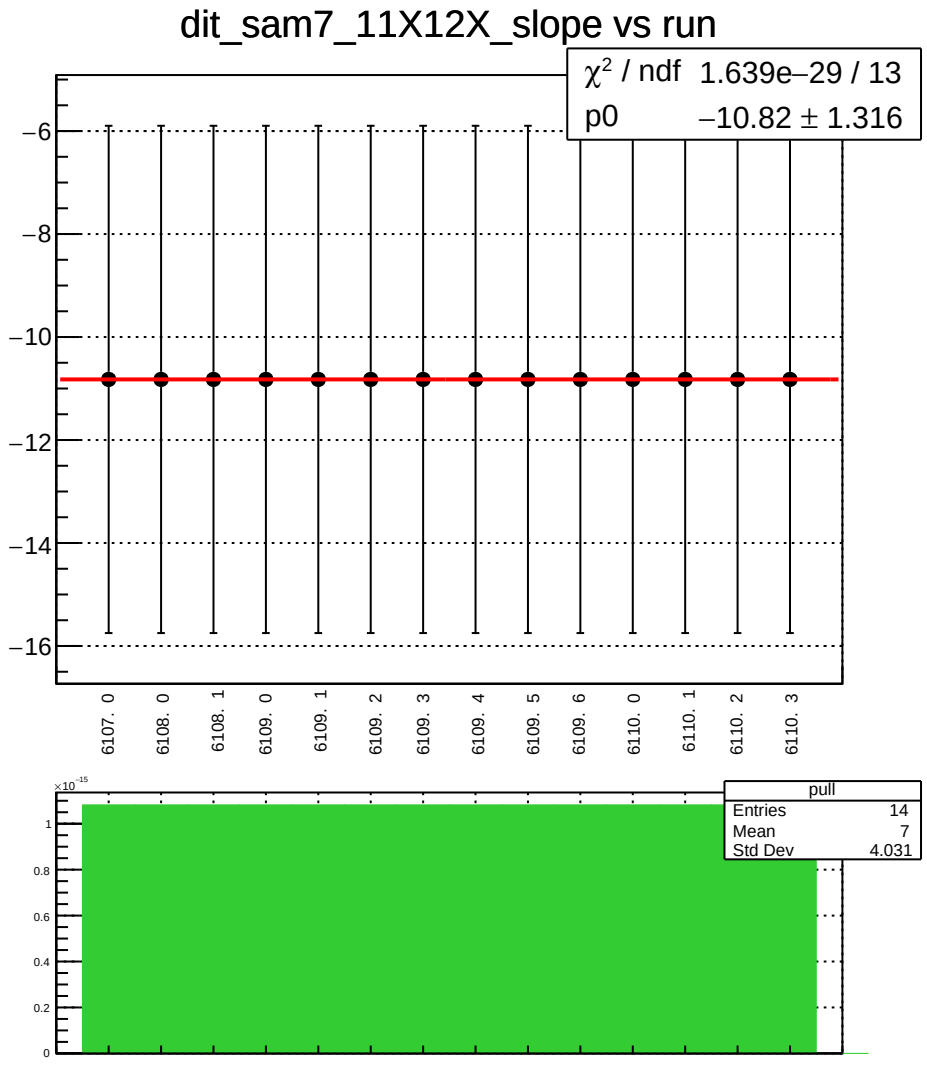

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

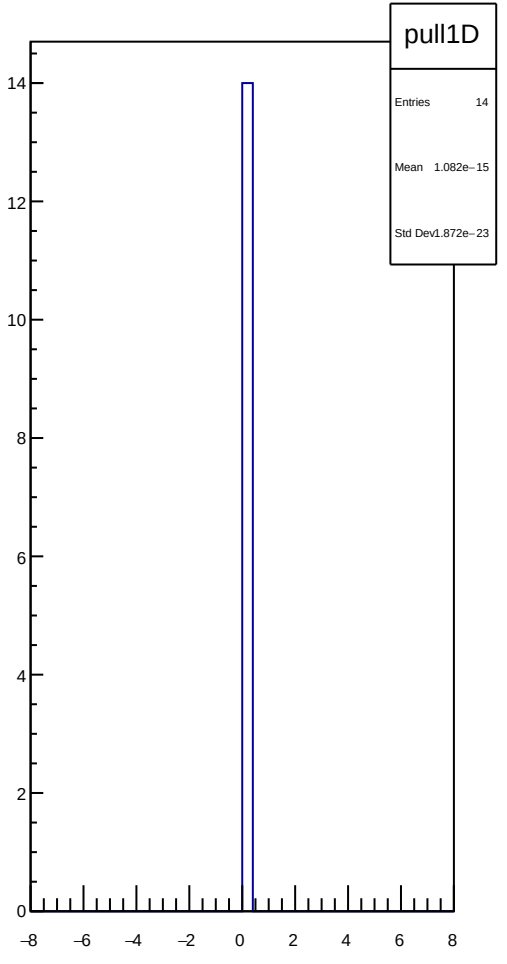

dit_sam7_4aX_slope vs run
χ² / ndf 0 / 13
p0 10.56 ± 3.224
25
20
15
10
5
0
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

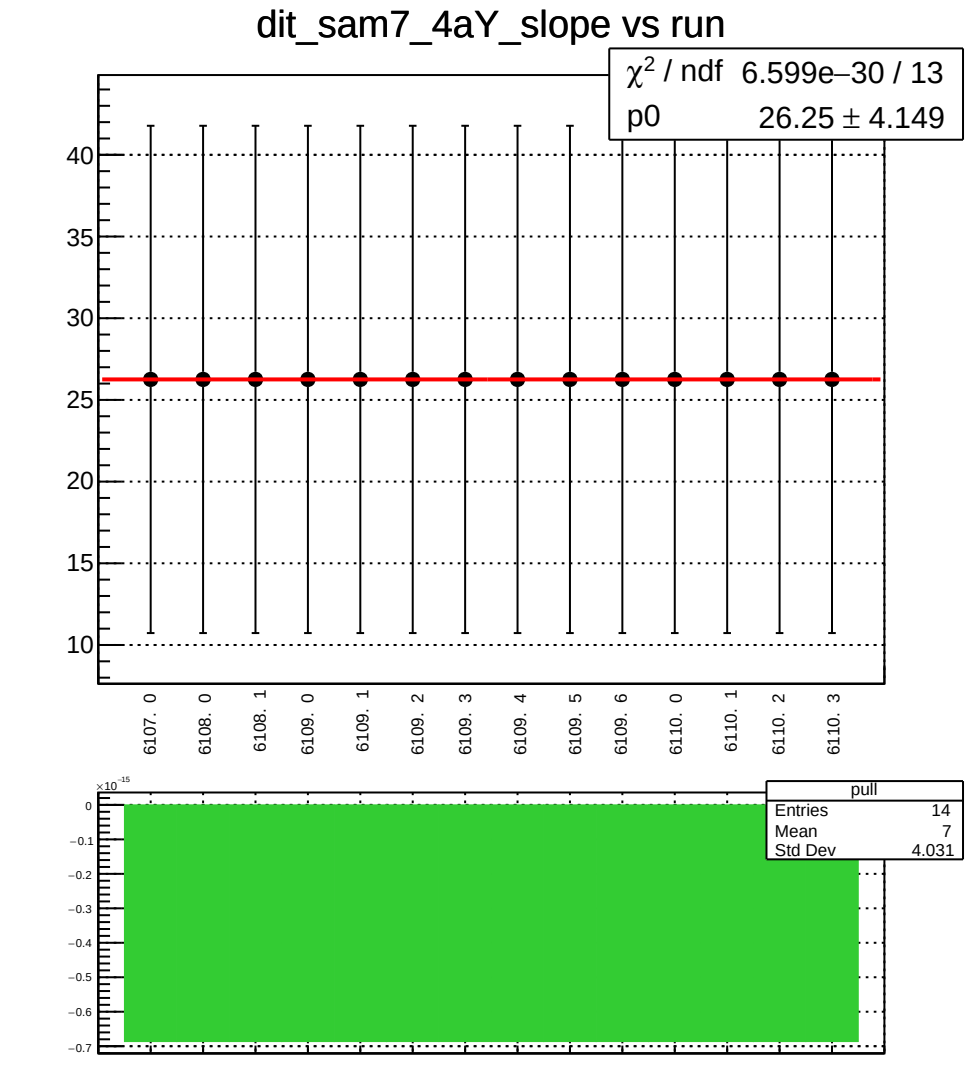

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

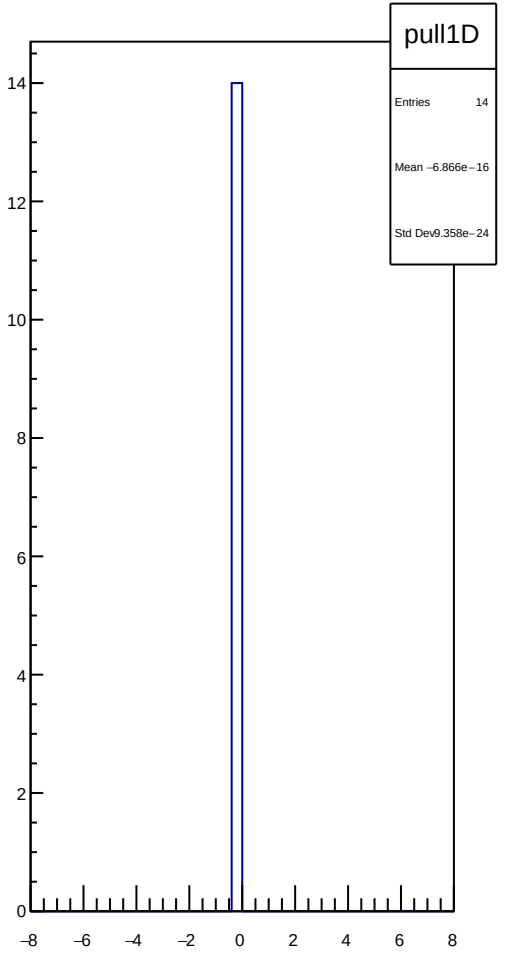

dit_sam7_4eX_slope vs run
χ² / ndf 2.383e−29 / 13
p0 −45.12 ± 4.367
−30
−35
−40
−45
−50
−55
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 14
Mean 7
Std Dev 4.031

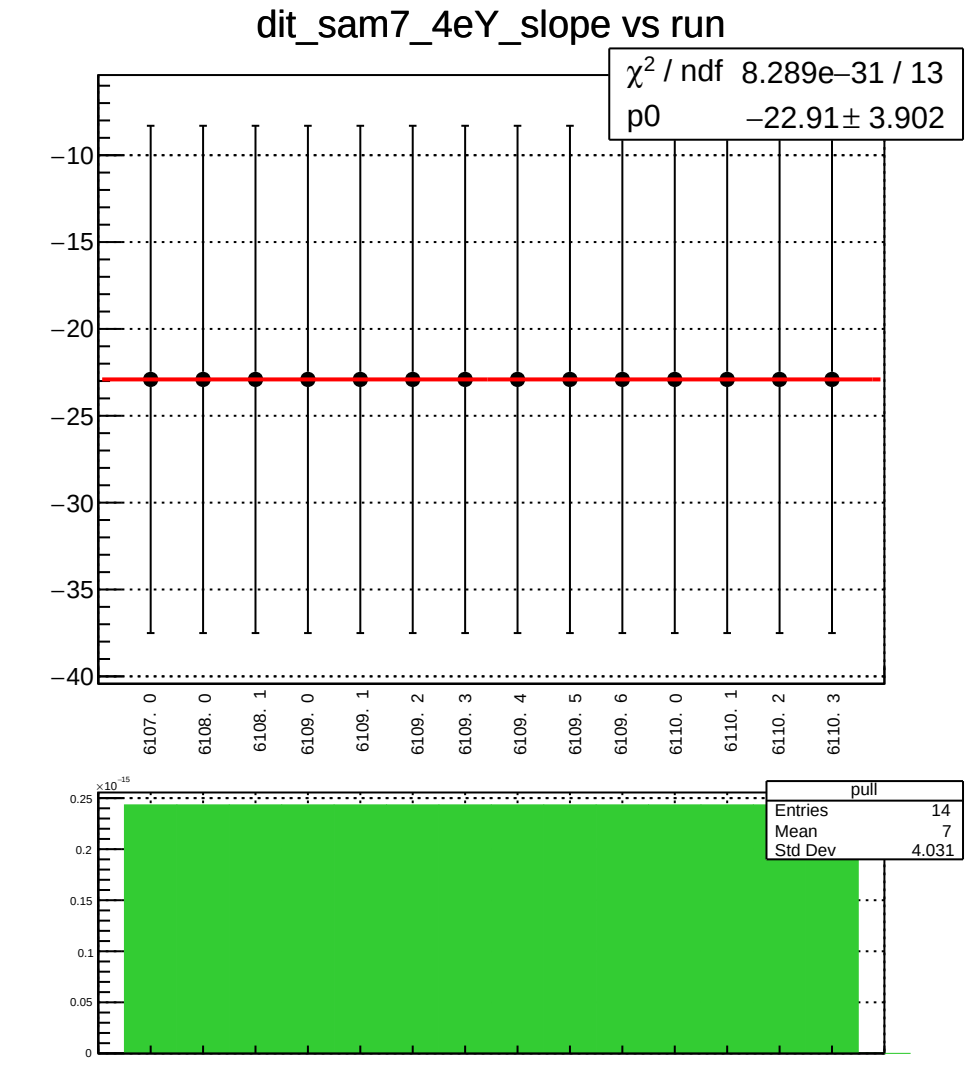

pull1D
Entries 14
Mean 1.305e−15
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

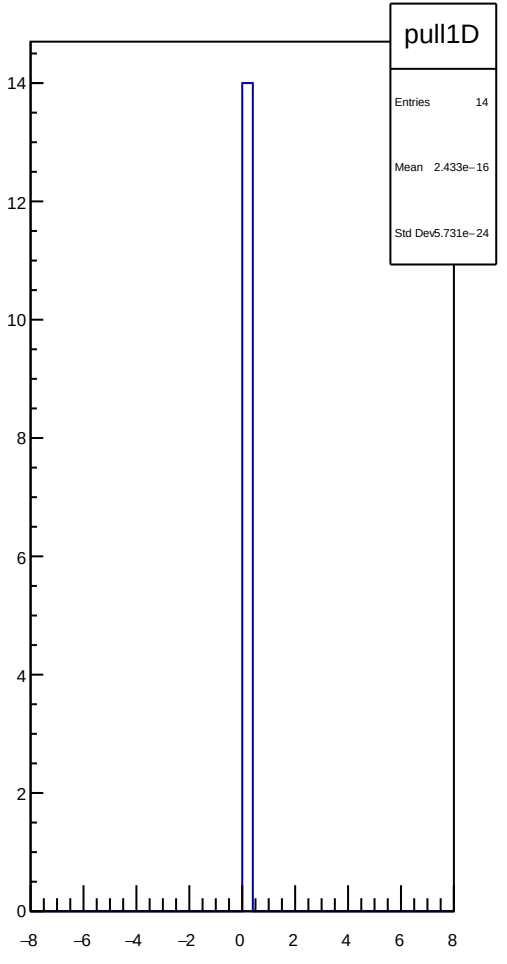

dit_sam7_11X12X_slope vs run
χ² / ndf 1.639e−29 / 13
p0 −10.82 ± 1.316
−6
−8
−10
−12
−14
−16
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull
Entries 14
Mean 7
Std Dev 4.031

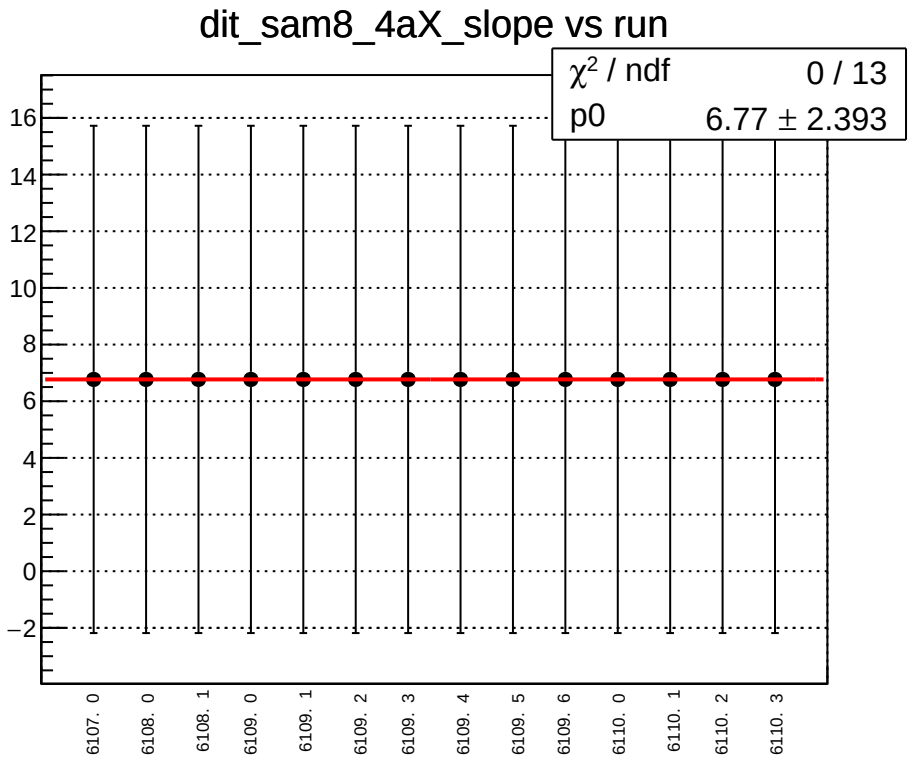

pull1D
Entries 14
Mean 1.082e−15
Std Dev1.872e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

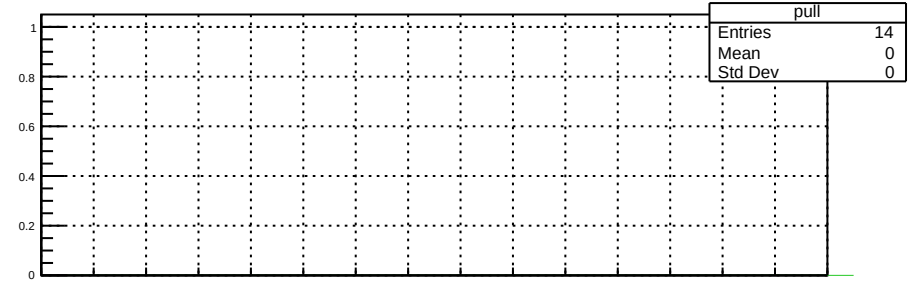

dit_sam7_4aY_slope vs run
χ² / ndf 6.599e−30 / 13
p0 26.25 ± 4.149
40
35
30
25
20
15
10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull
Entries 14
Mean 7
Std Dev 4.031

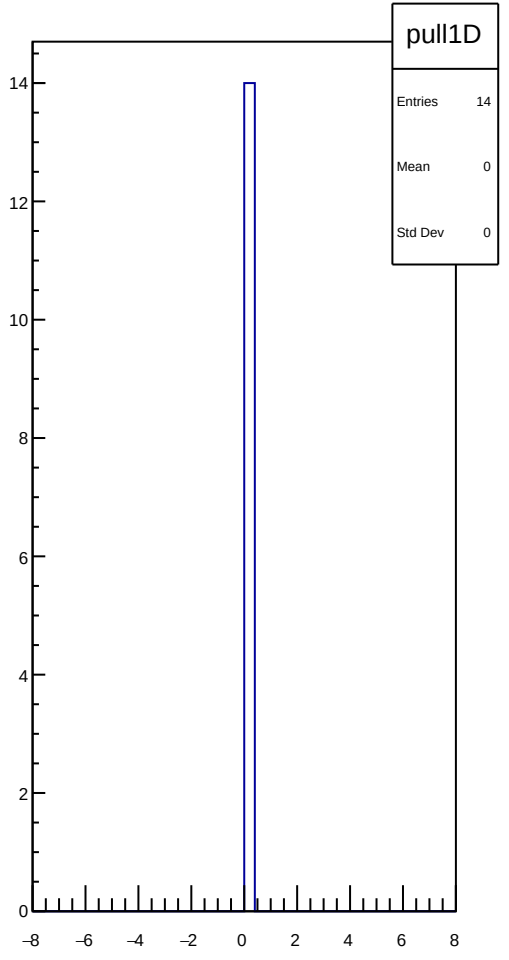

pull1D
Entries 14
Mean −6.866e−16
Std Dev 9.358e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

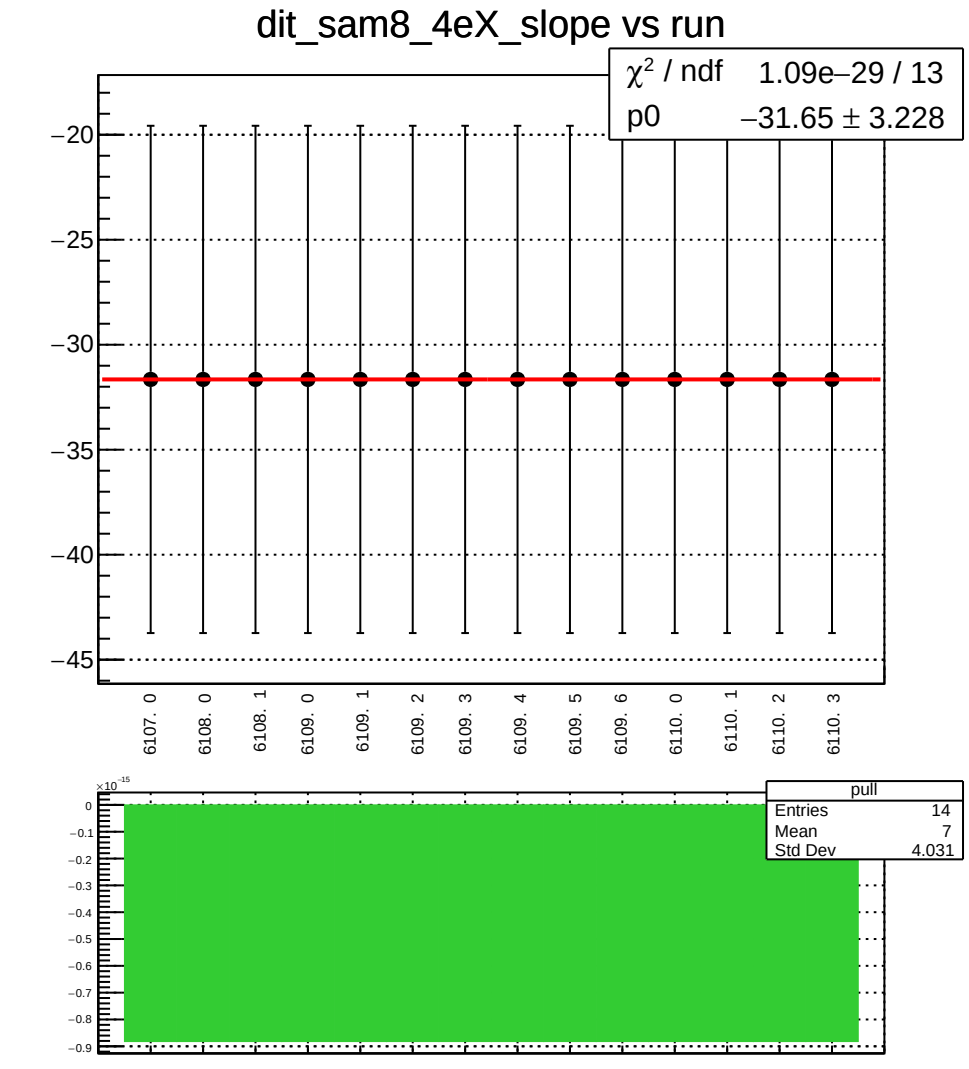

dit_sam7_4eY_slope vs run
χ² / ndf 8.289e−31 / 13
p0 −22.91± 3.902
−10
−15
−20
−25
−30
−35
−40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 14
Mean 7
Std Dev 4.031

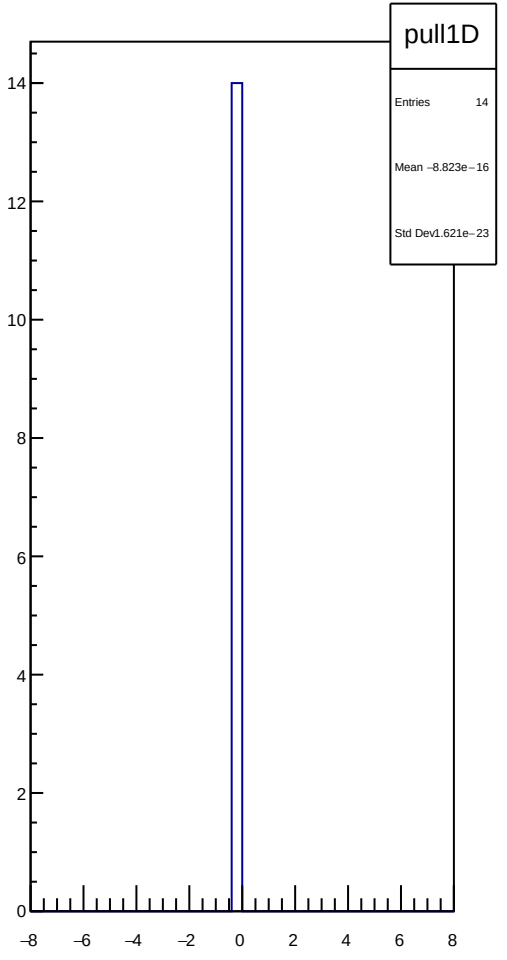

pull1D
Entries 14
Mean 2.433e−16
Std Dev 5.731e−24
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

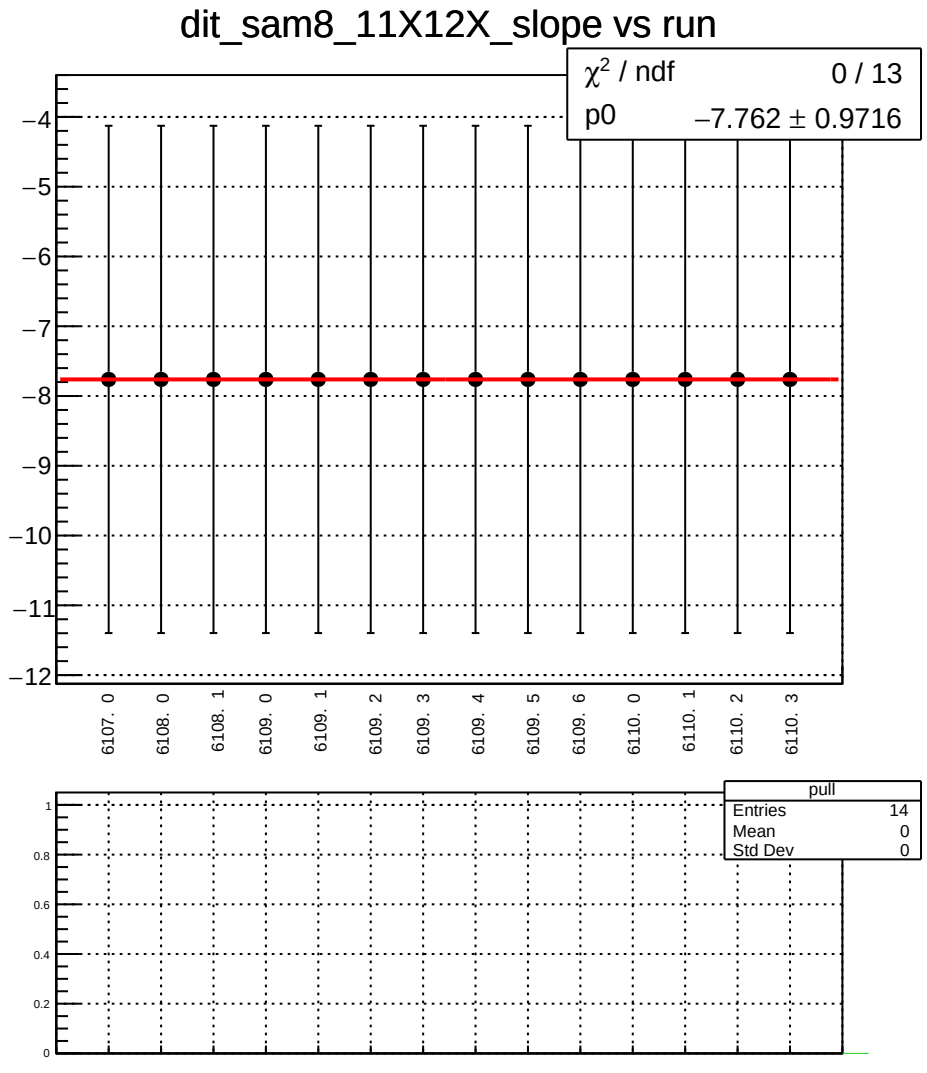

dit_sam8_4aX_slope vs run
χ² / ndf 0 / 13
p0 6.77 ± 2.393
16
14
12
10
8
6
4
2
0
−2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

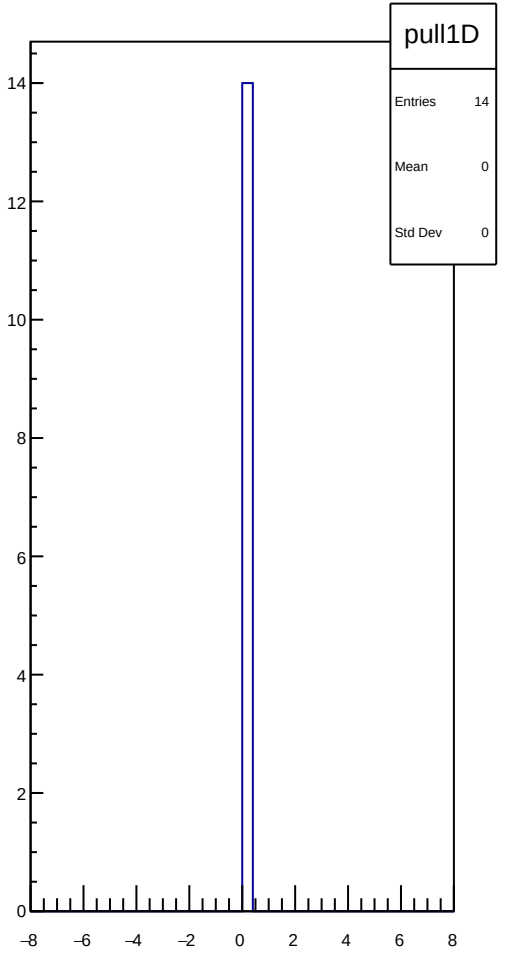

pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

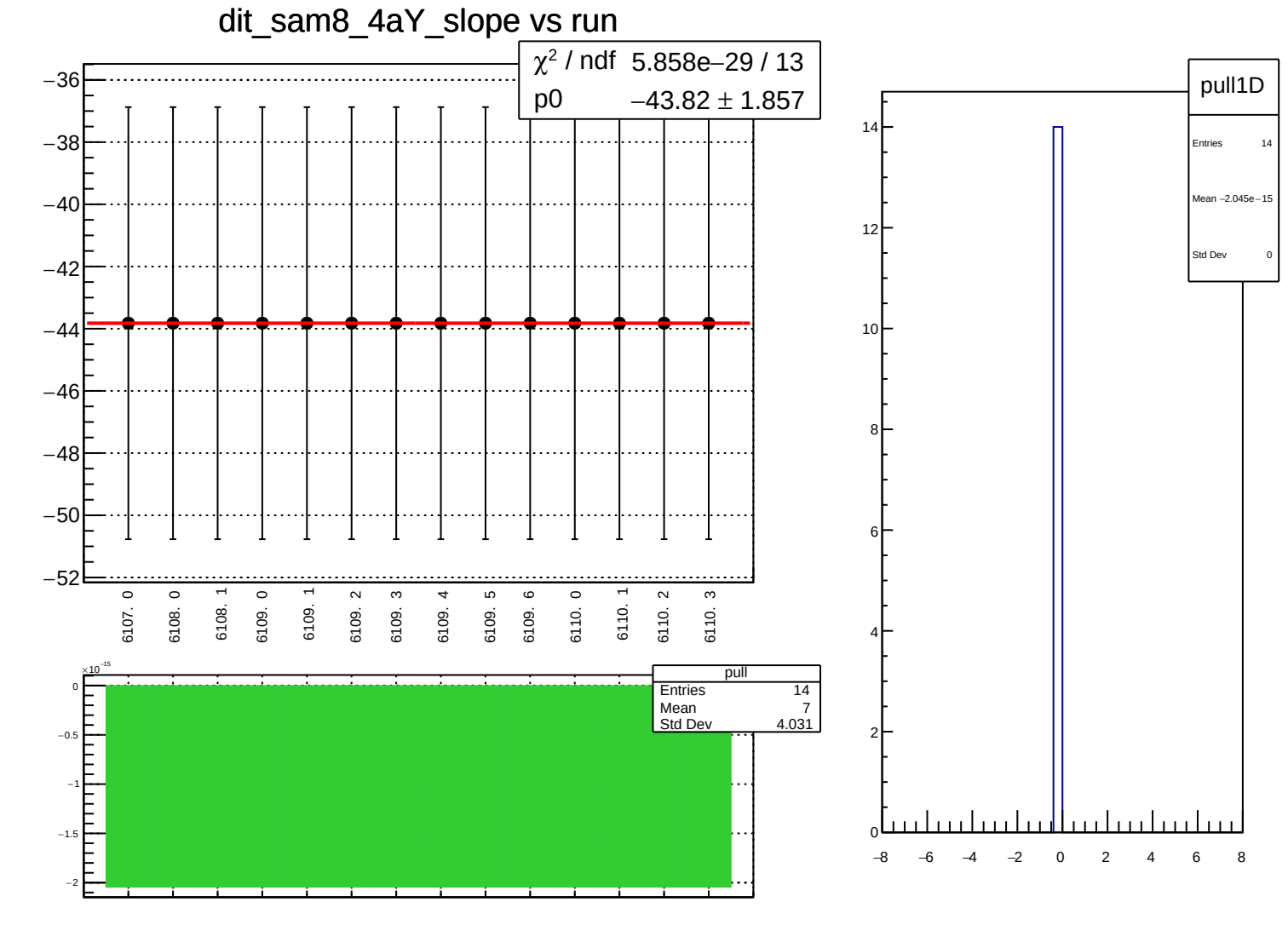

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

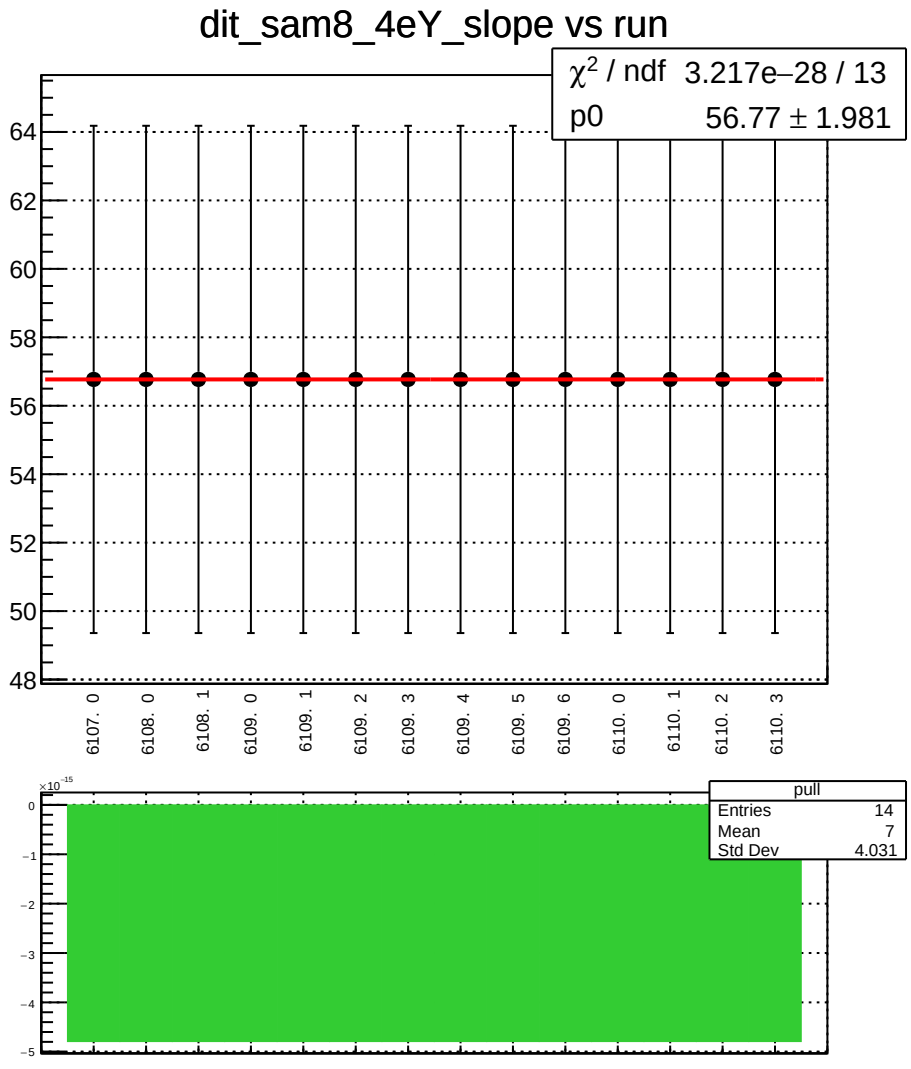

dit_sam8_4eX_slope vs run
χ² / ndf 1.09e−29 / 13
p0 −31.65 ± 3.228
−20
−25
−30
−35
−40
−45
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull
Entries 14
Mean 7
Std Dev 4.031

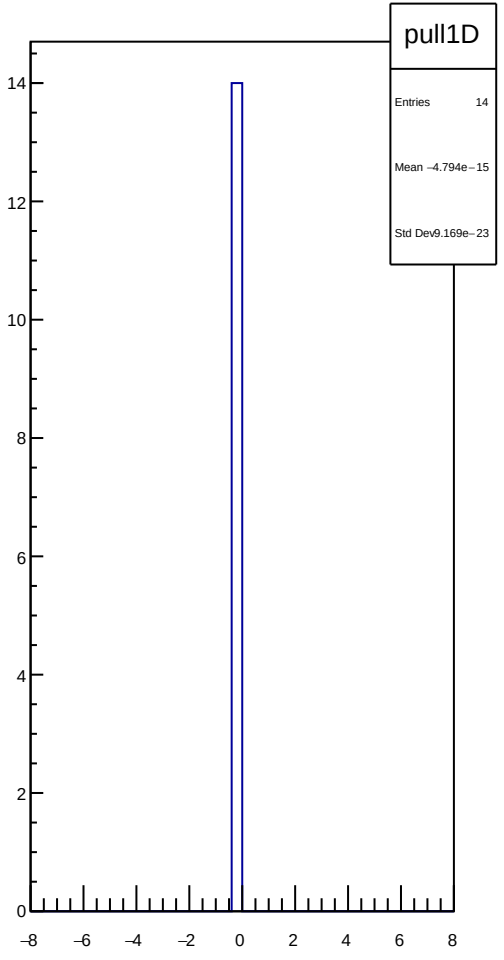

pull1D
Entries 14
Mean −8.823e−16
Std Dev1.621e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

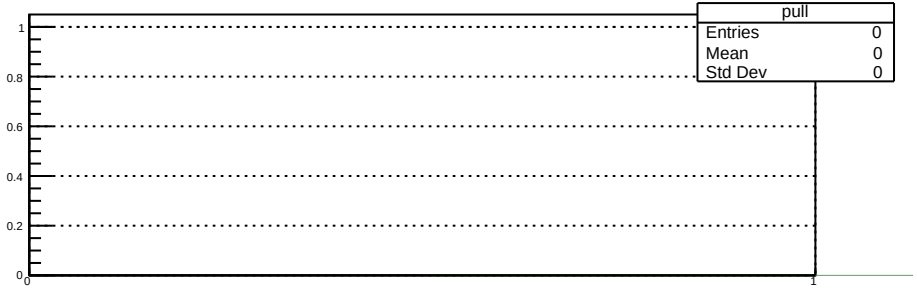

dit_sam8_11X12X_slope vs run
χ² / ndf 0 / 13
p0 −7.762 ± 0.9716
−4
−5
−6
−7
−8
−9
−10
−11
−12
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

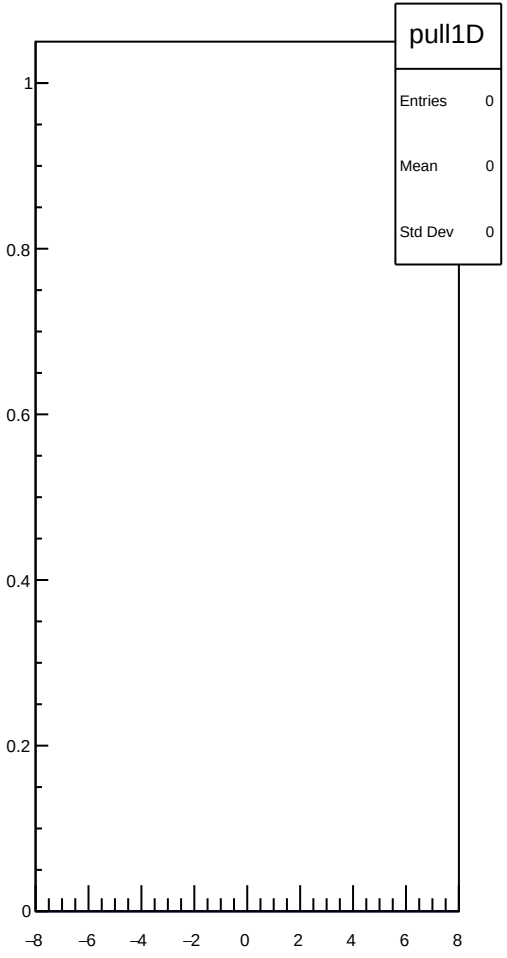

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

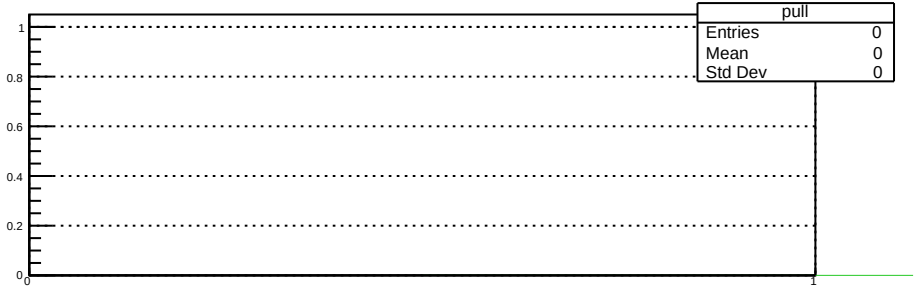

dit_sam8_4aY_slope vs run
χ² / ndf 5.858e−29 / 13
p0 −43.82 ± 1.857
−36
−38
−40
−42
−44
−46
−48
−50
−52
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull
Entries 14
Mean 7
Std Dev 4.031
pull1D
Entries 14
Mean −2.045e−15
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

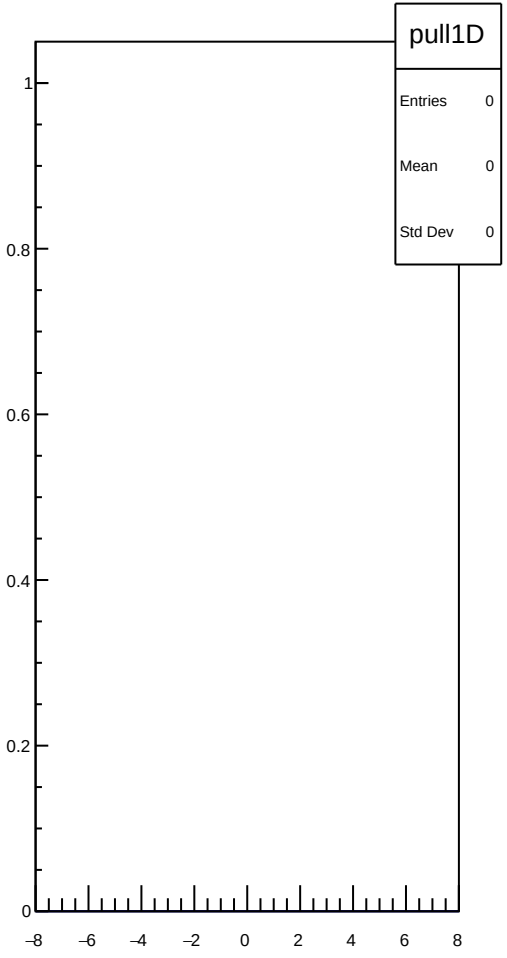

dit_sam8_4eY_slope vs run
χ² / ndf 3.217e−28 / 13
p0 56.77 ± 1.981
64
62
60
58
56
54
52
50
48
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 14
Mean 7
Std Dev 4.031

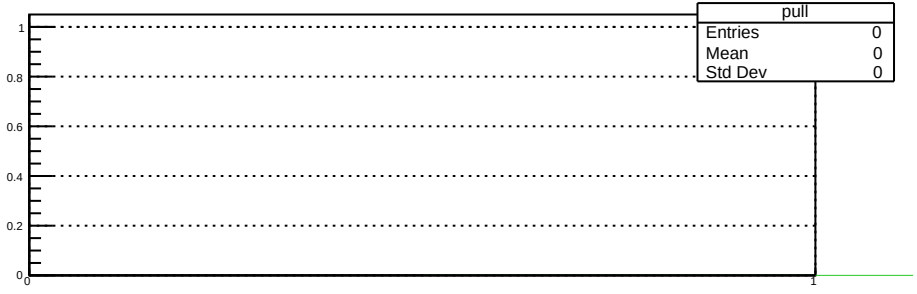

pull1D
Entries 14
Mean −4.794e−15
Std Dev9.169e−23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

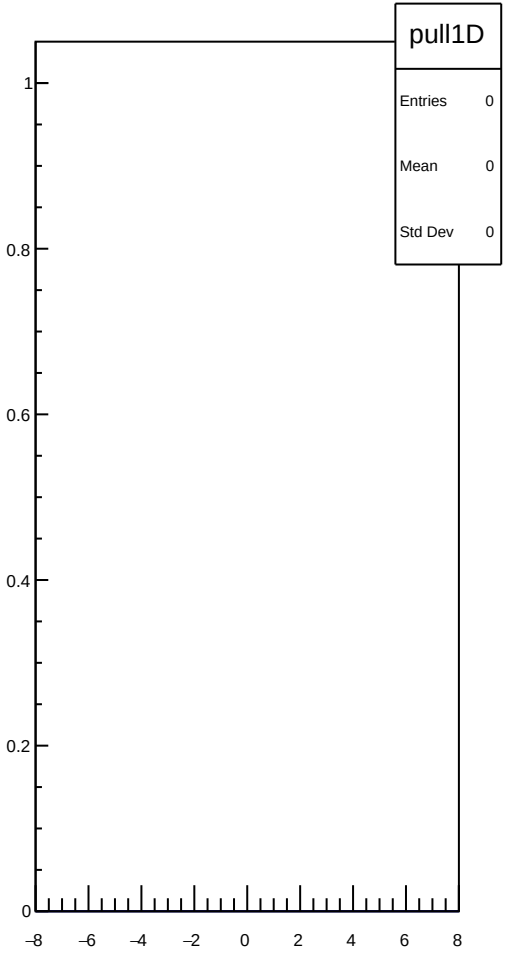

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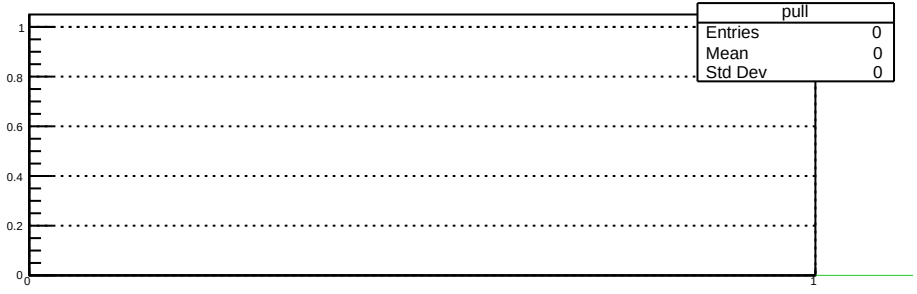

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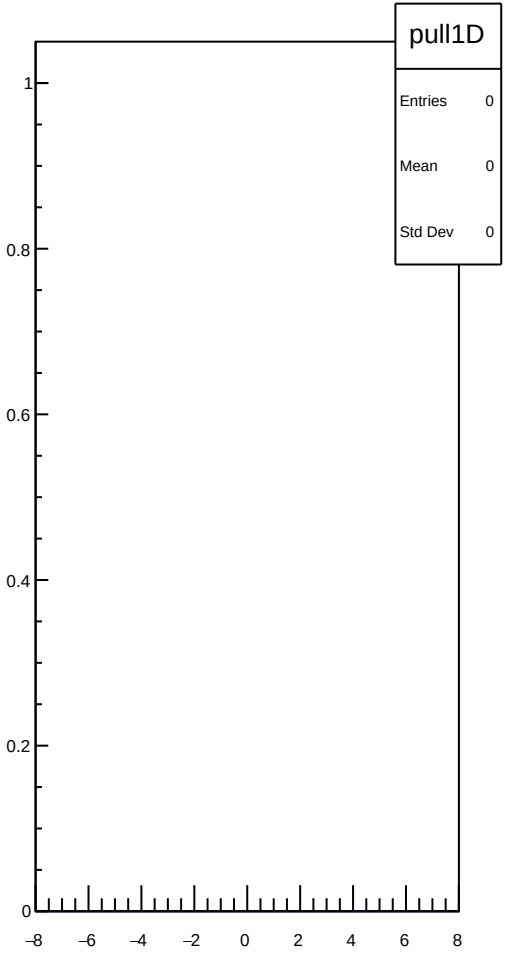

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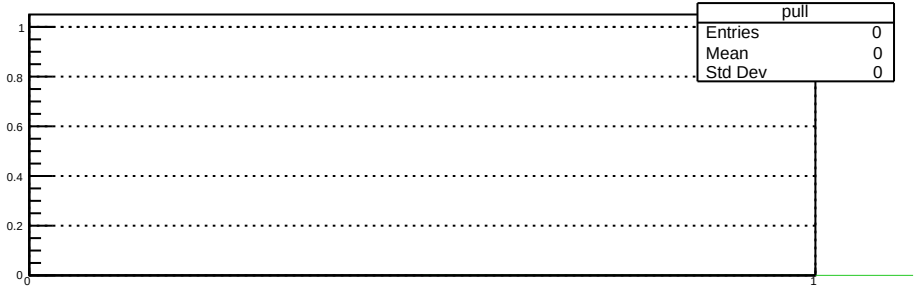

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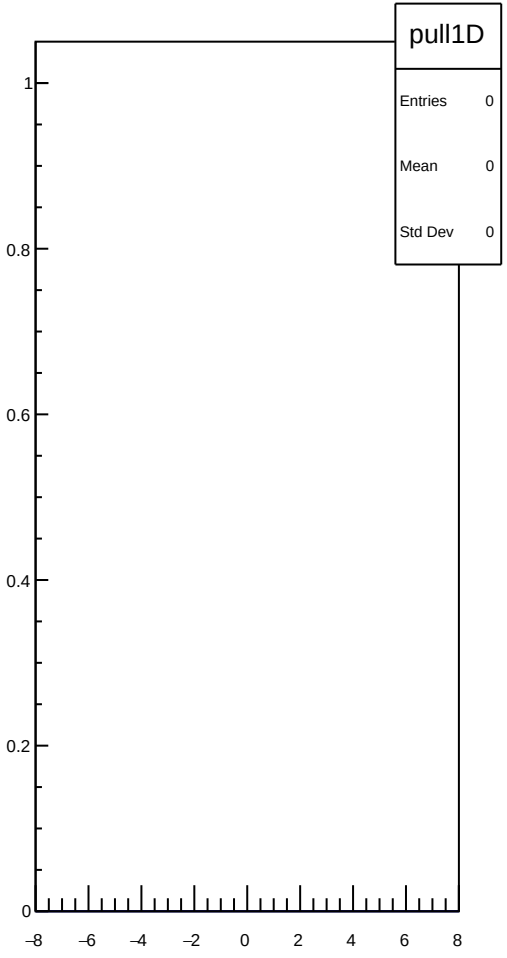

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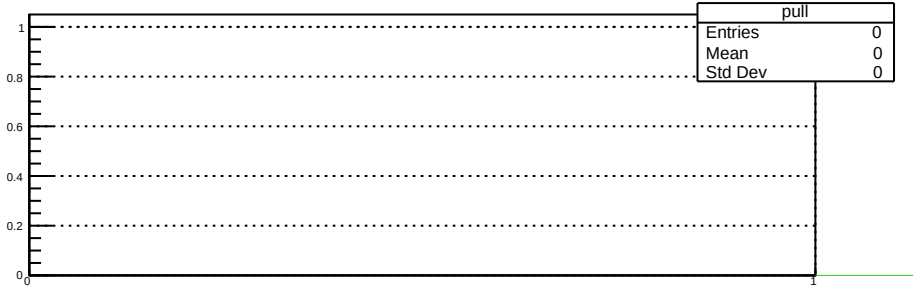

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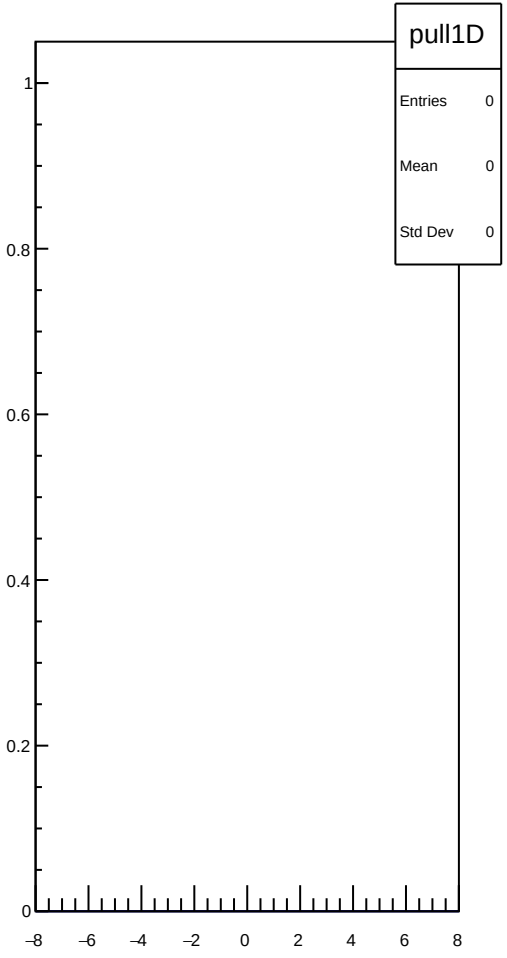

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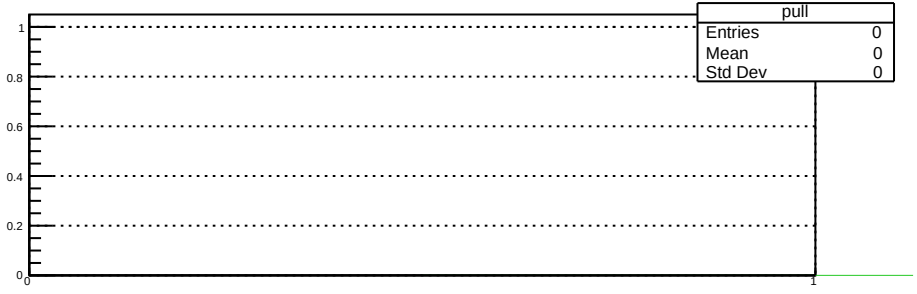

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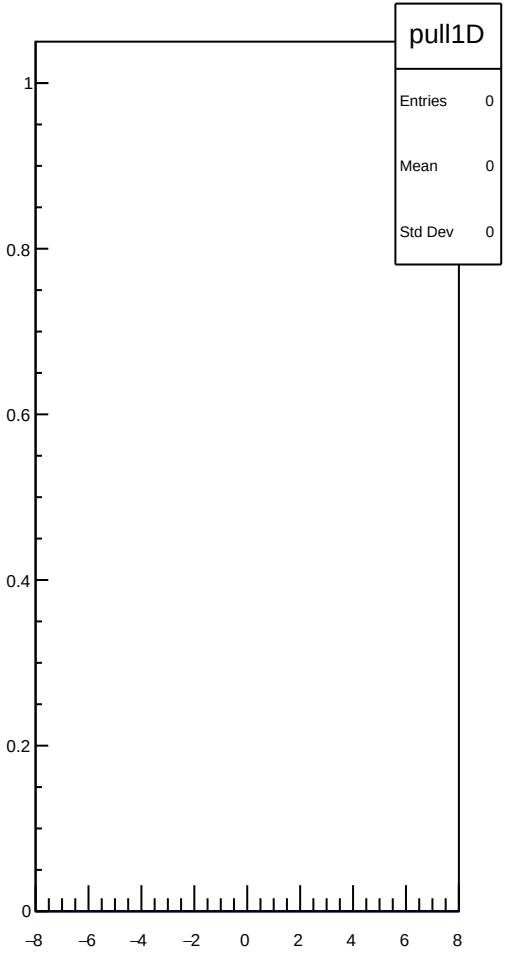

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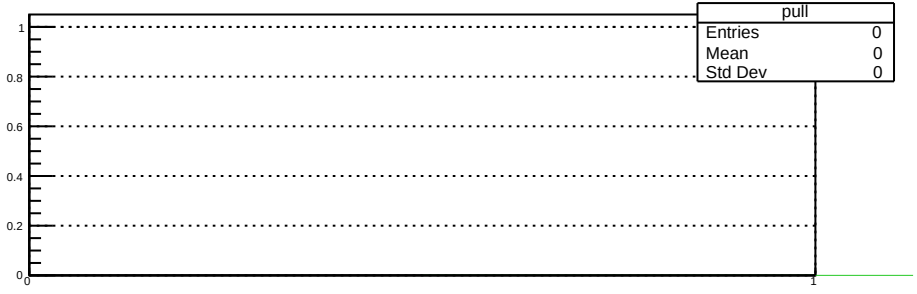

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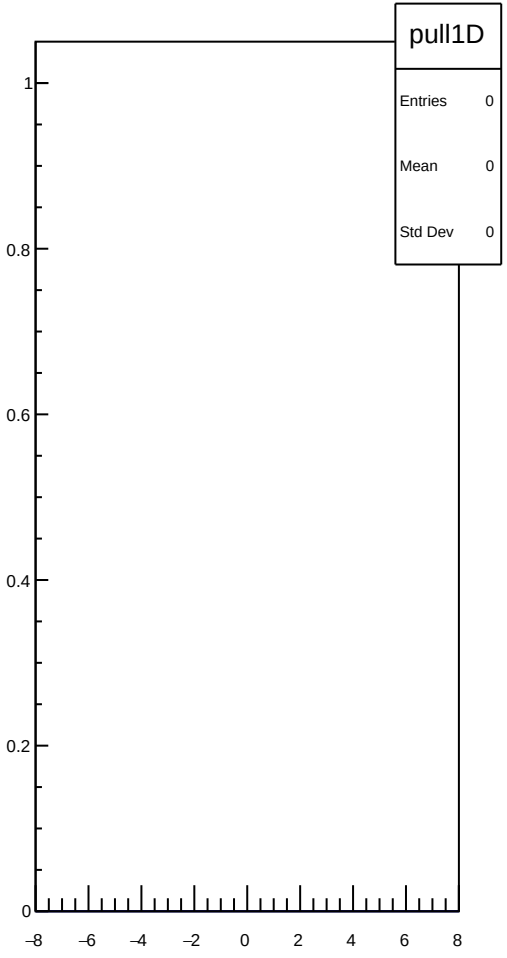

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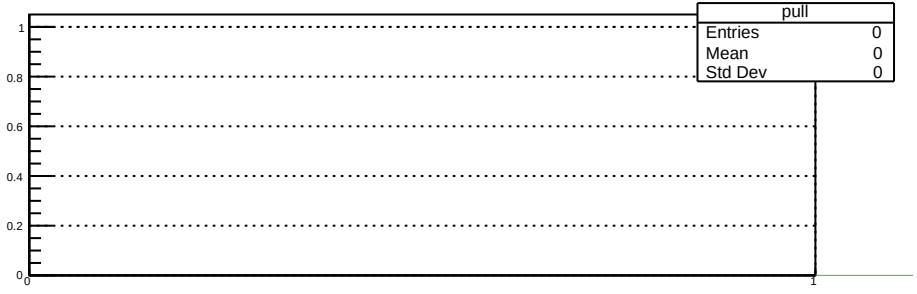

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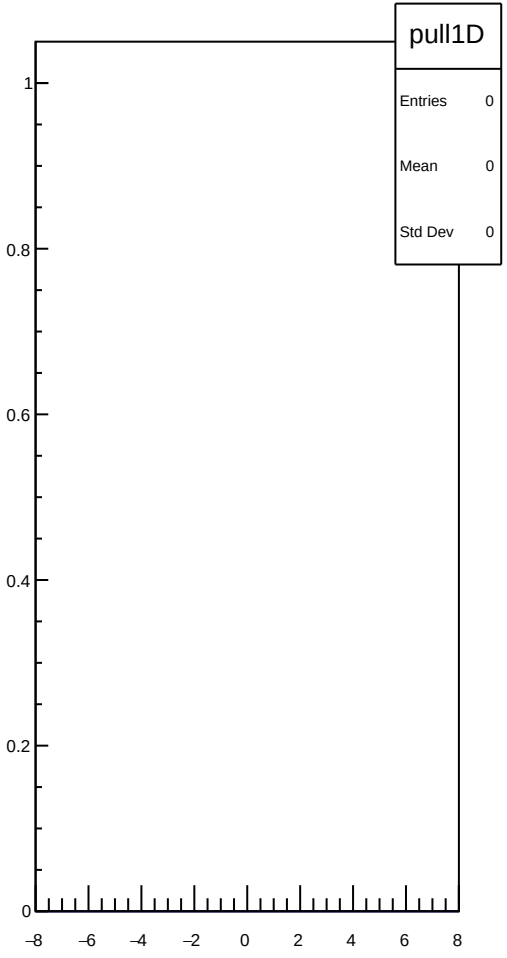

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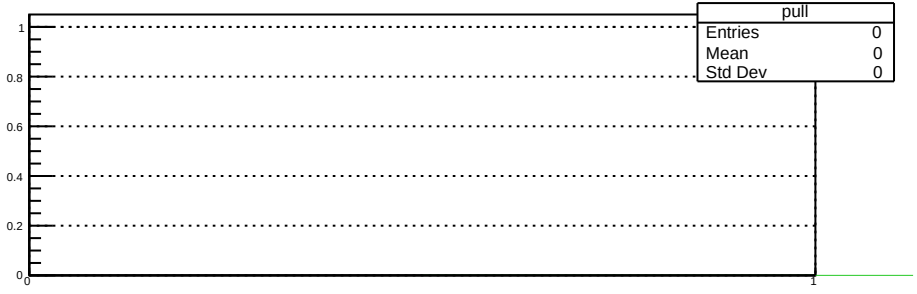

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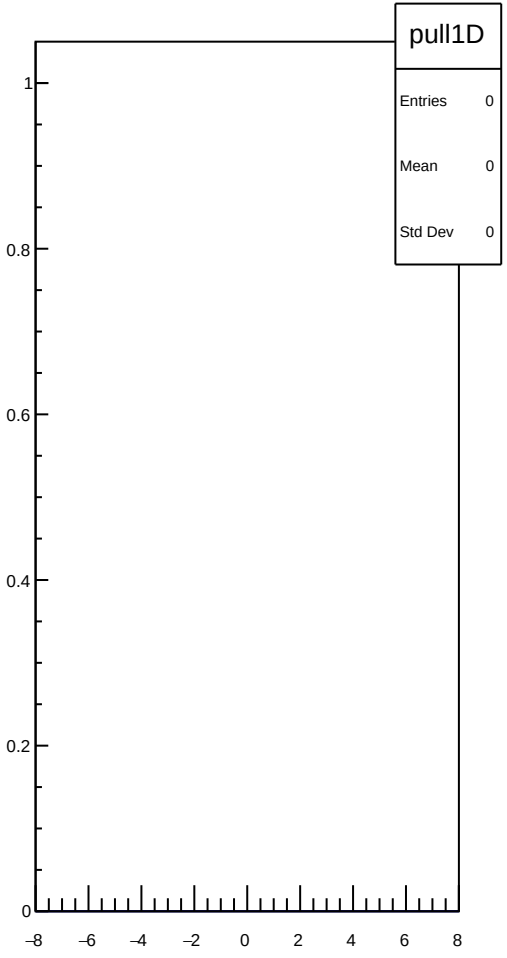

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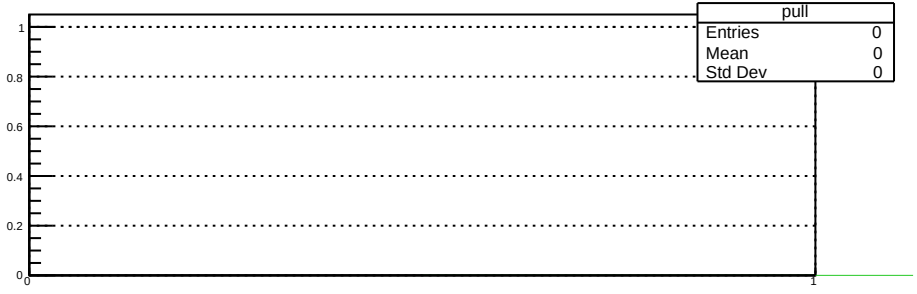

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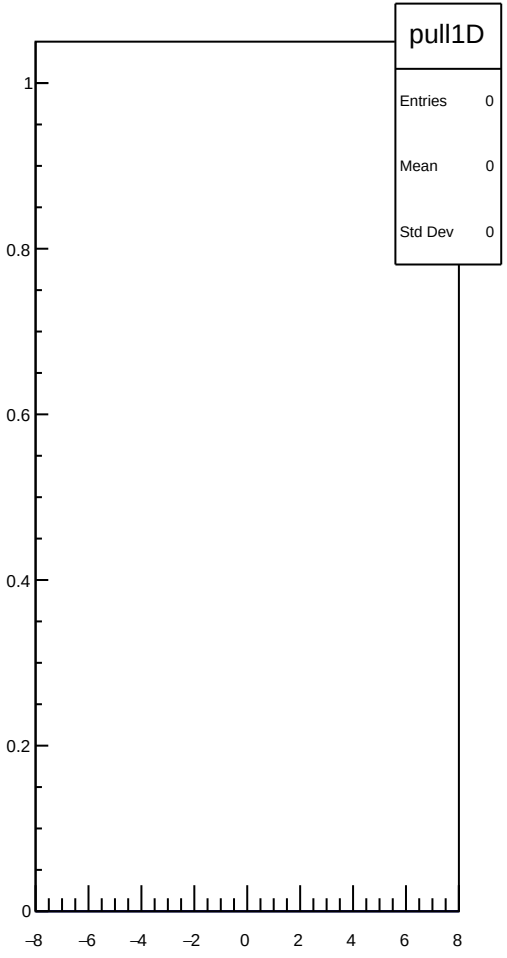

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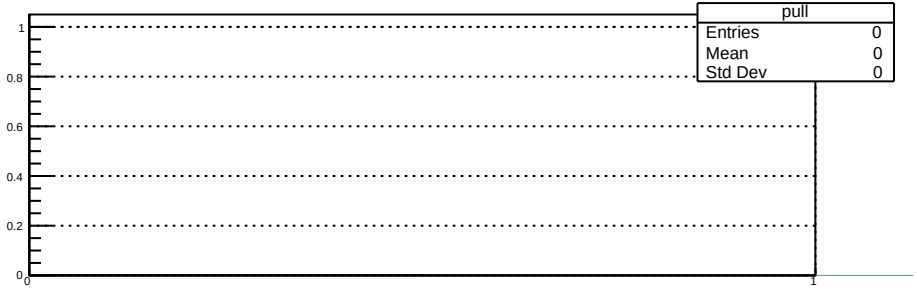

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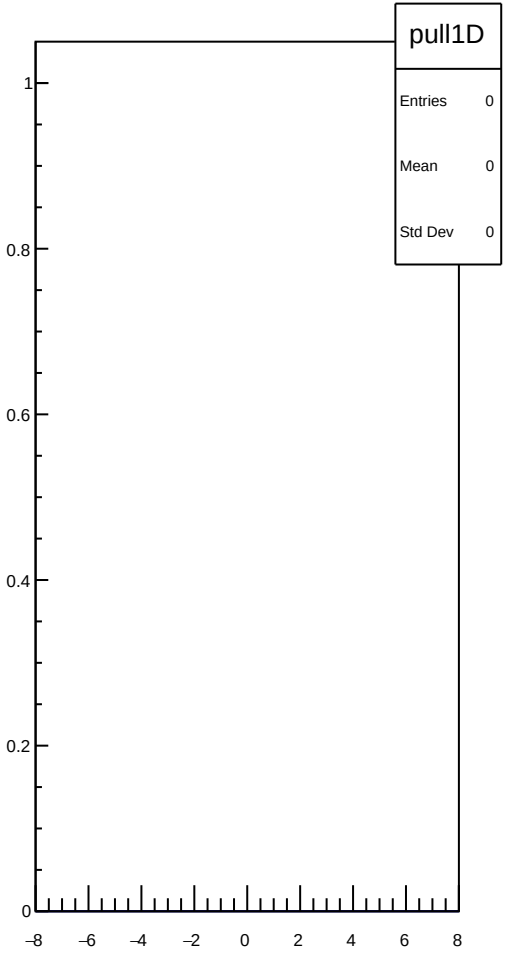

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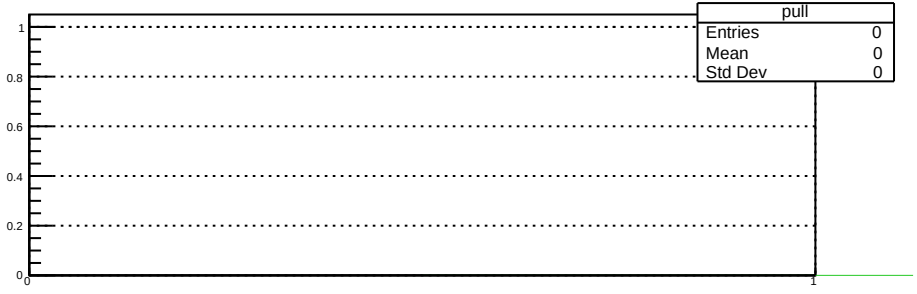

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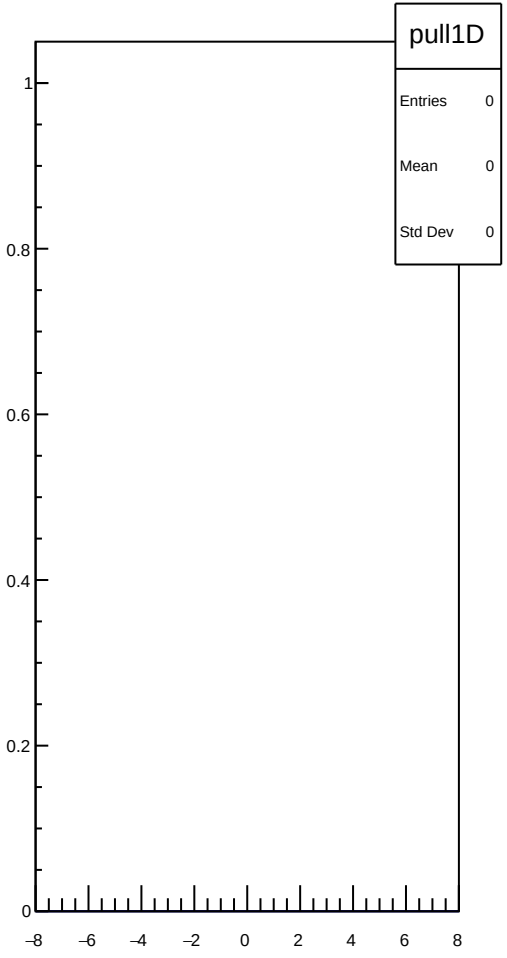

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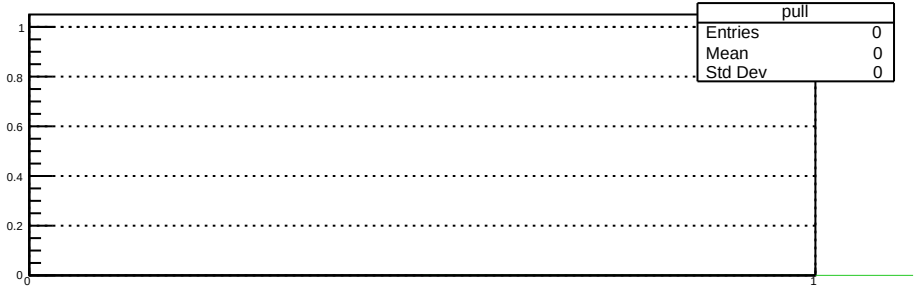

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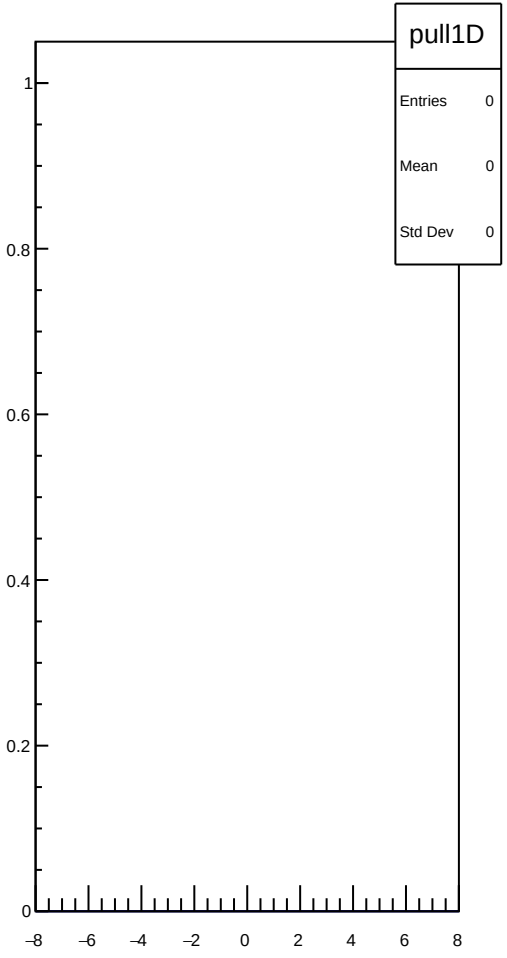

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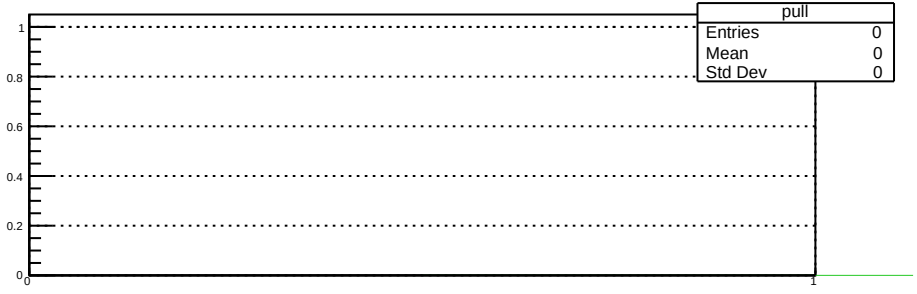

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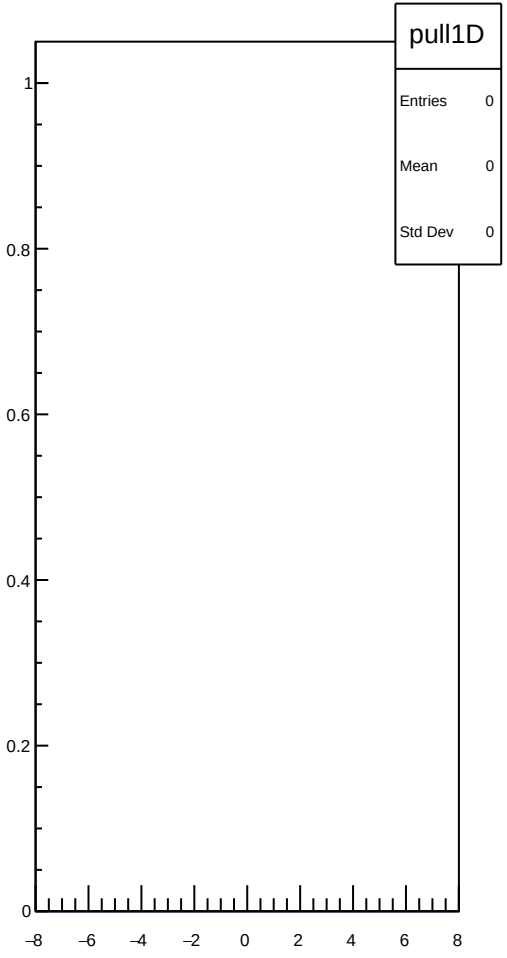

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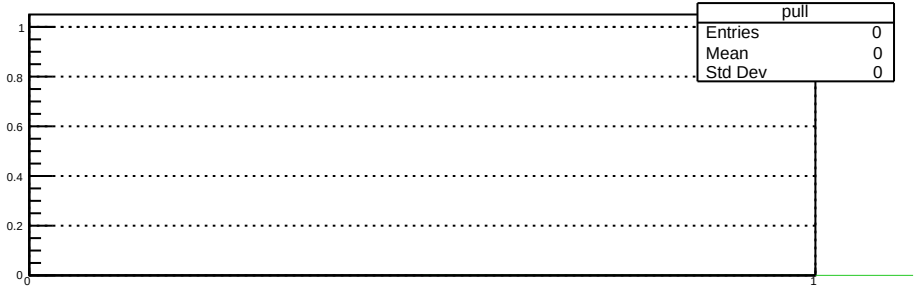

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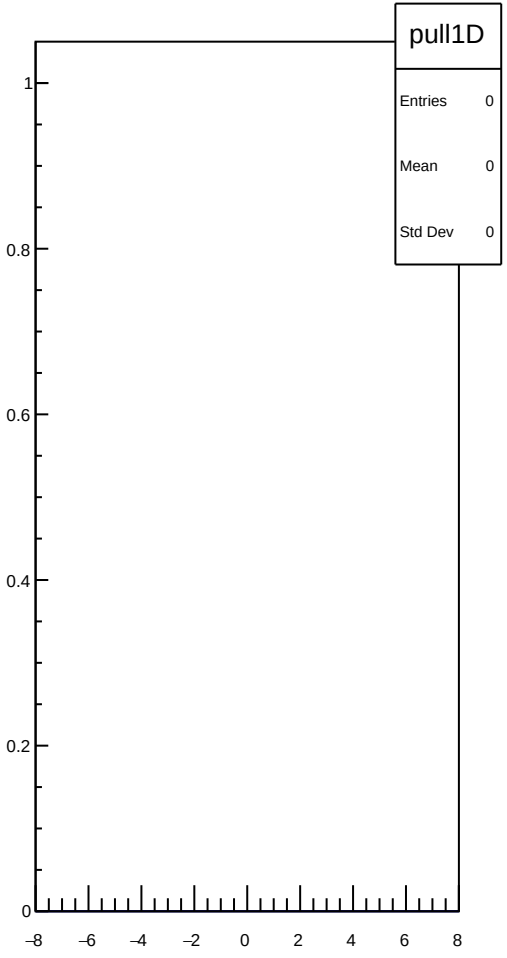

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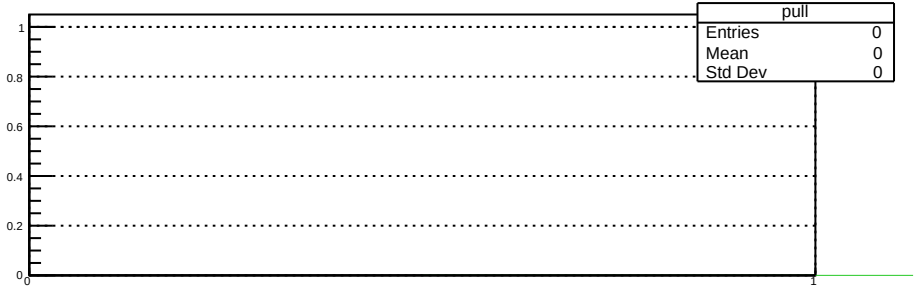

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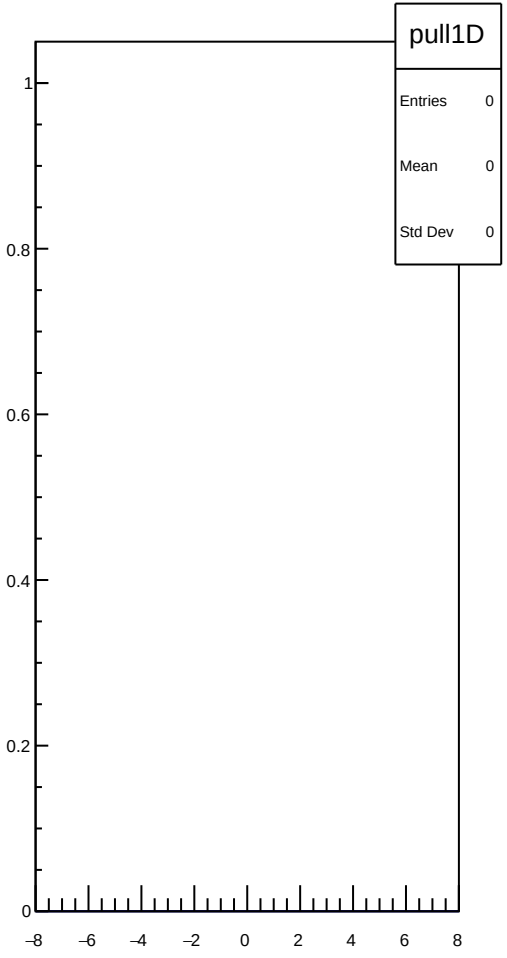

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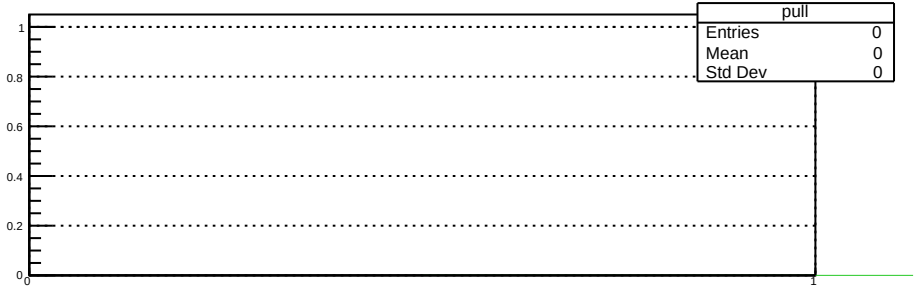

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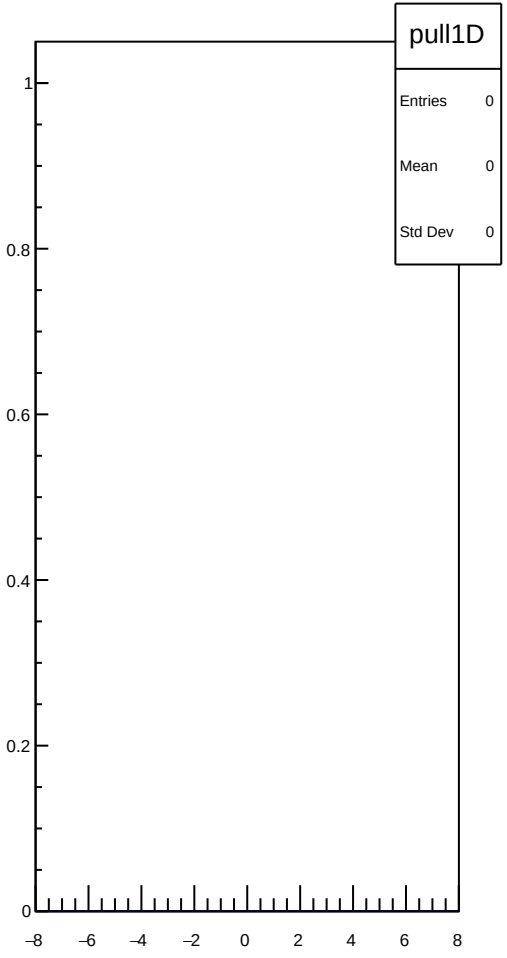

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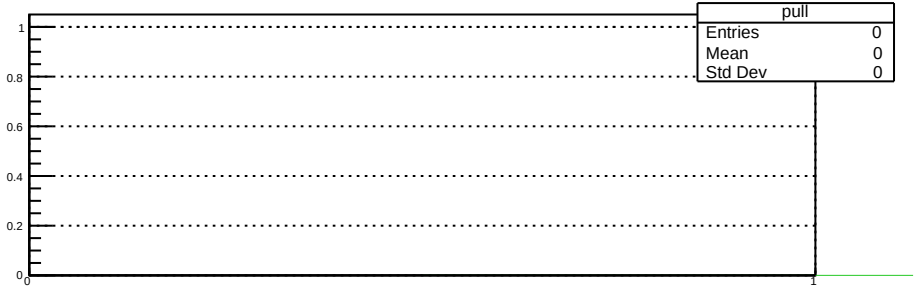

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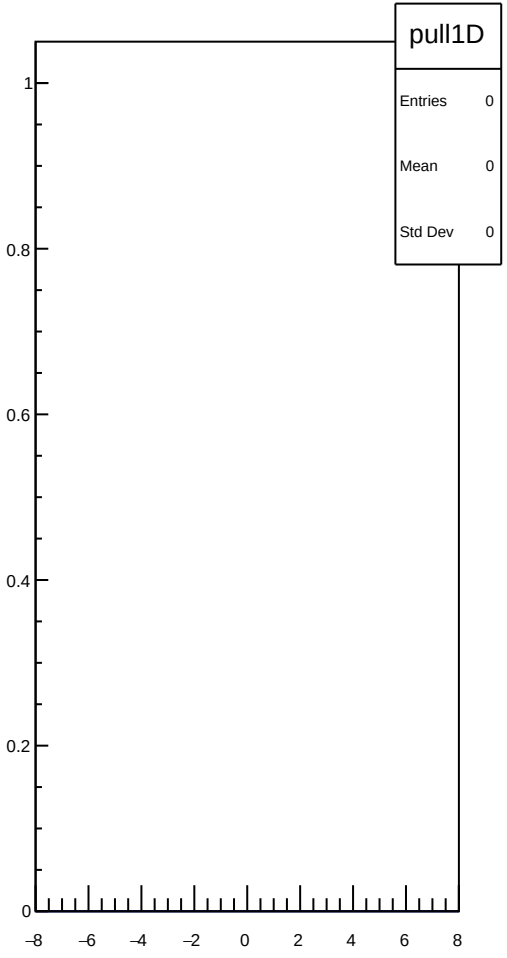

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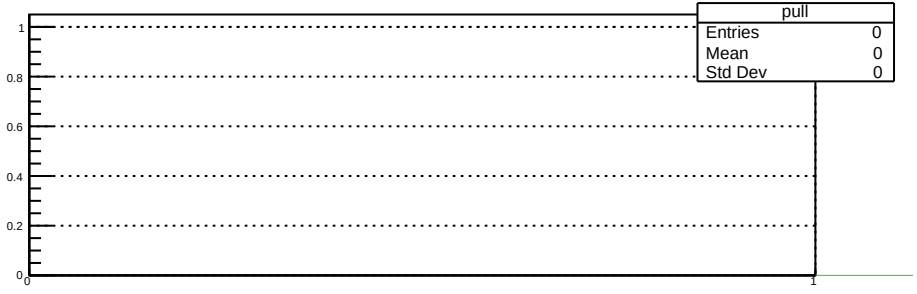

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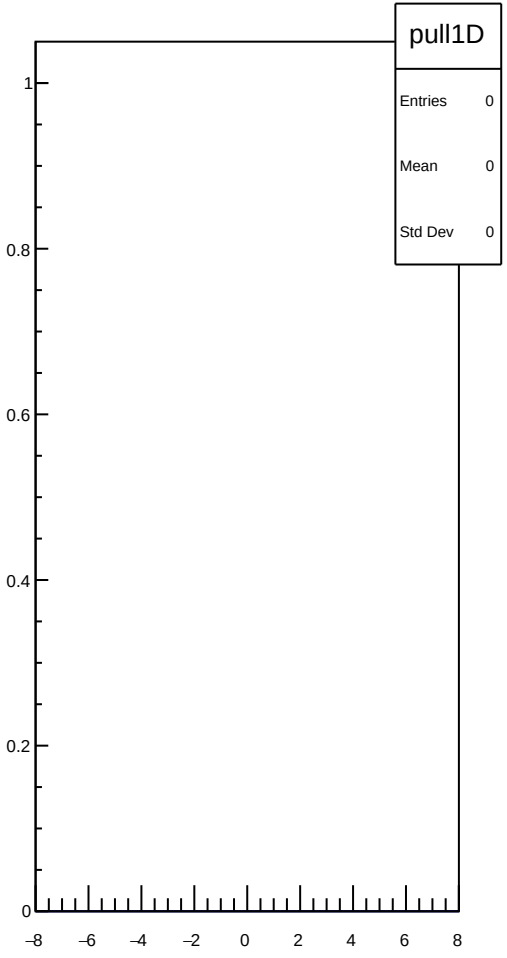

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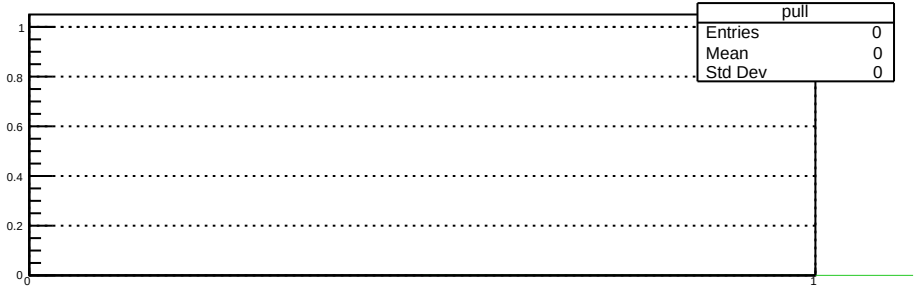

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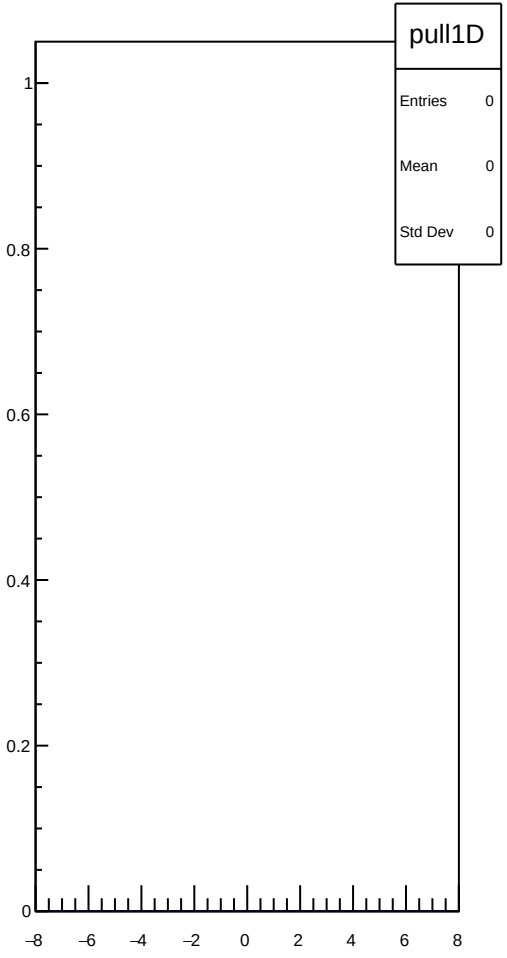

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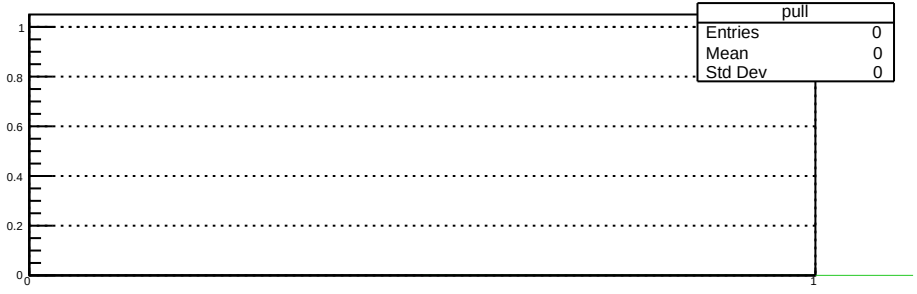

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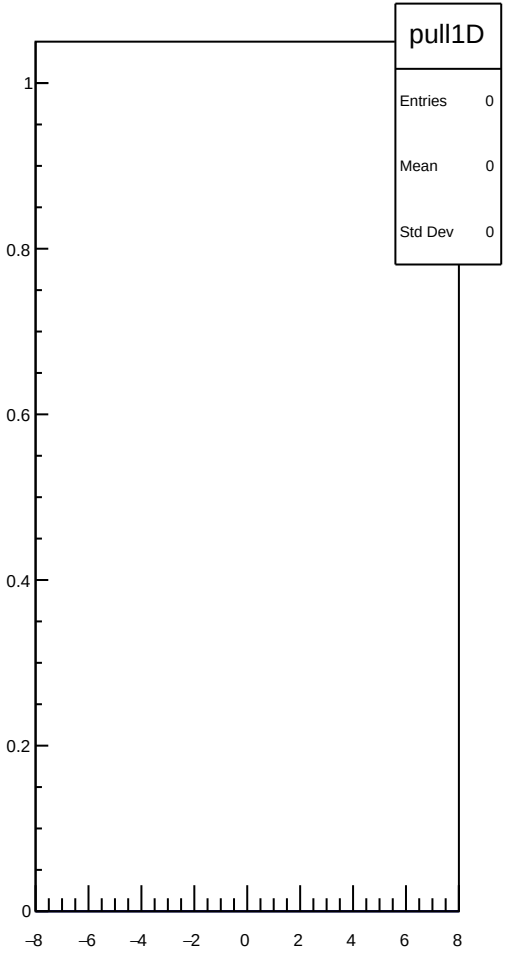

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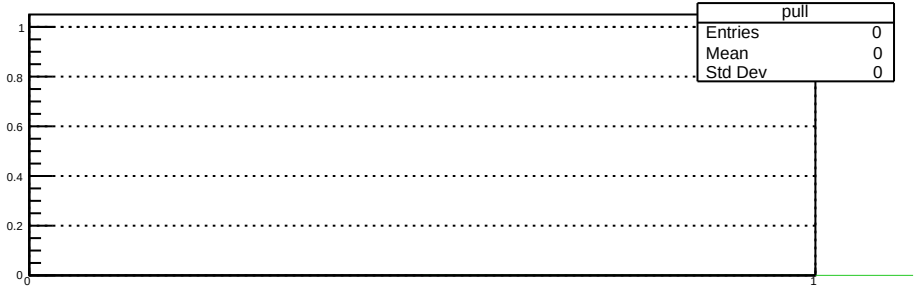

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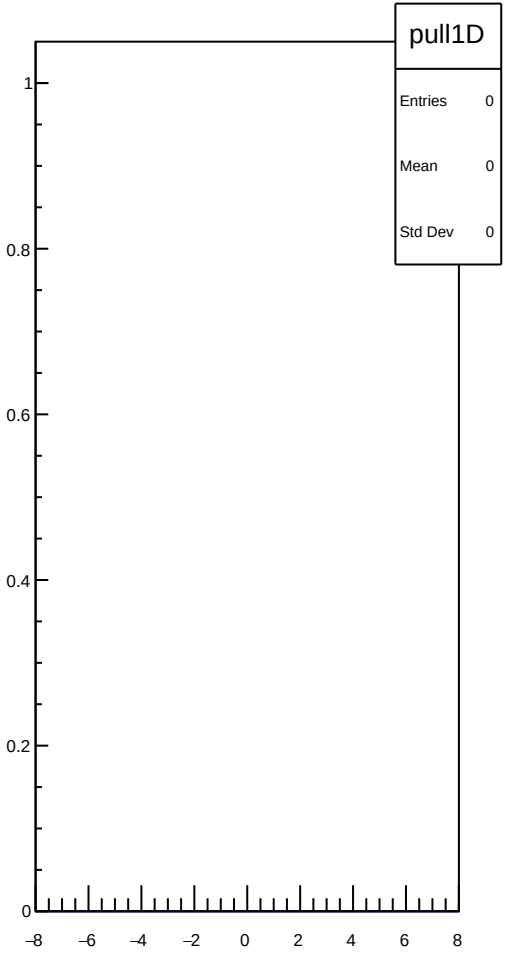

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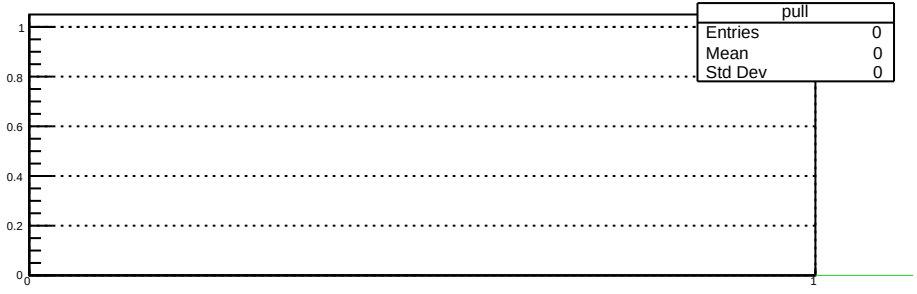

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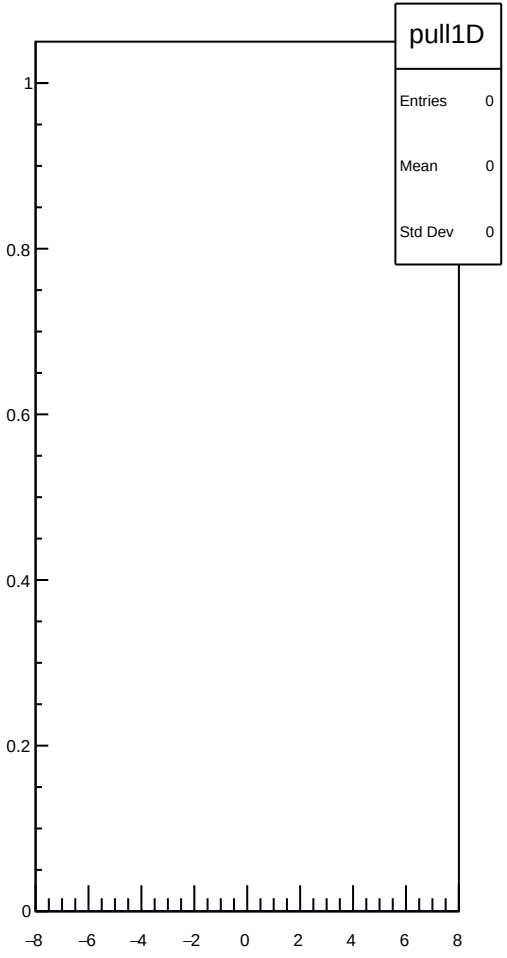

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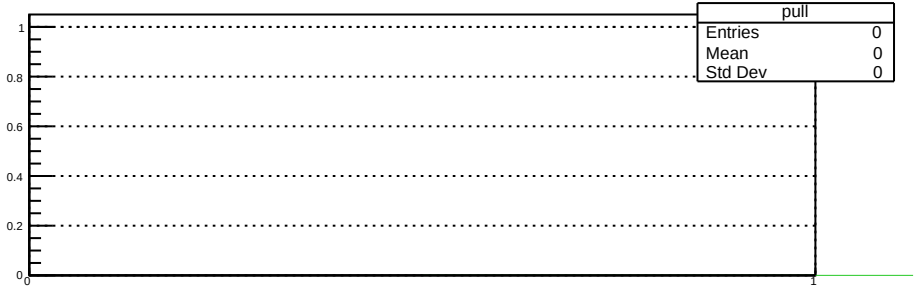

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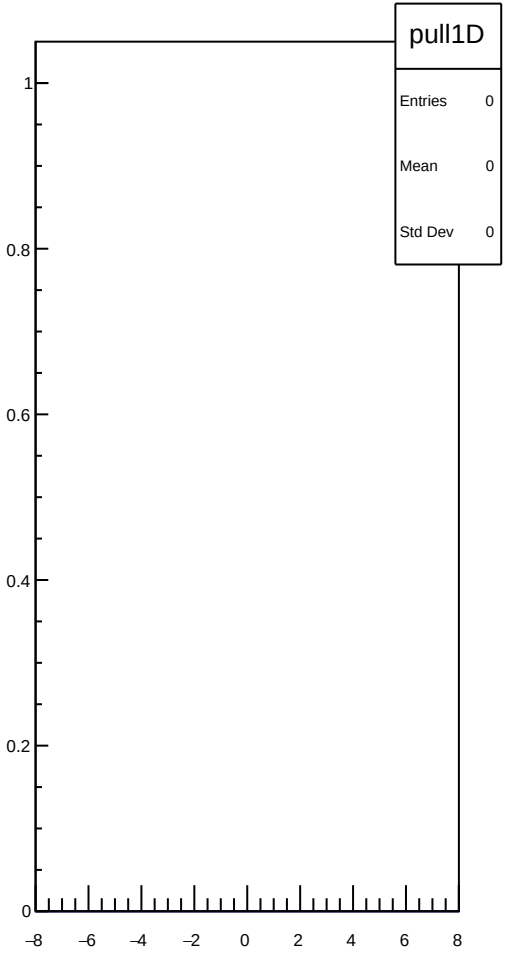

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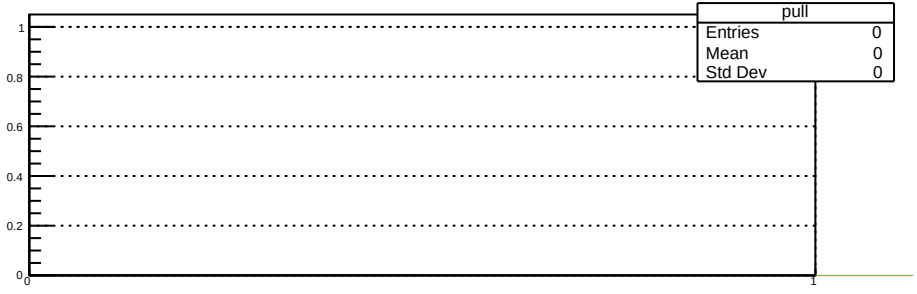

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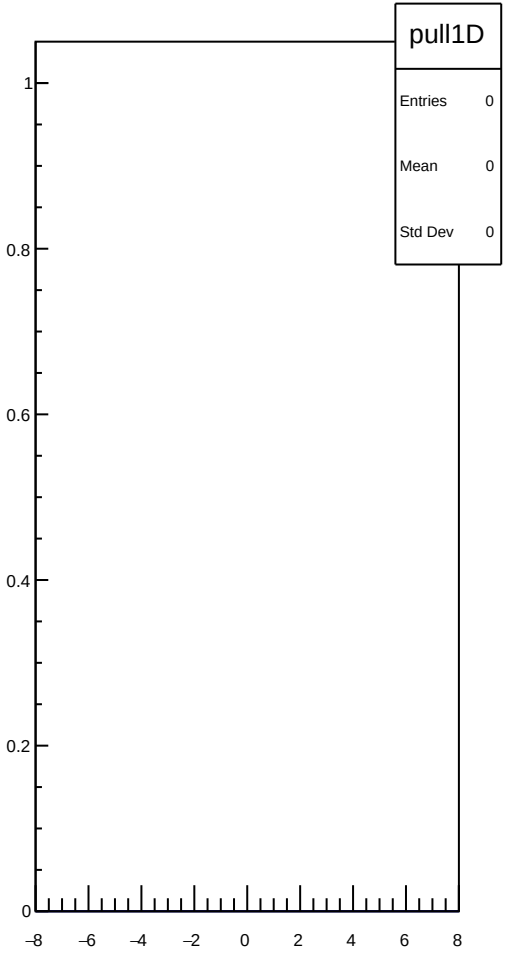

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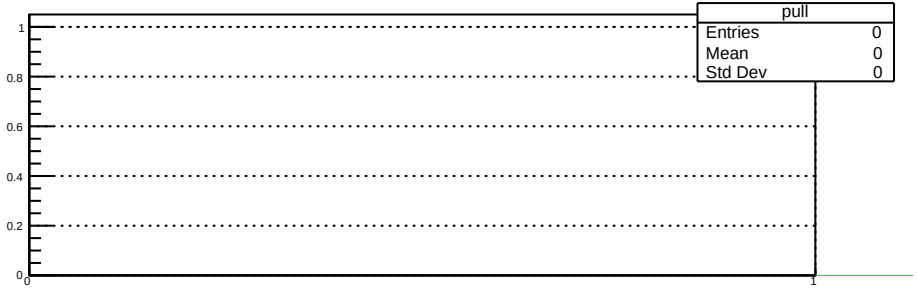

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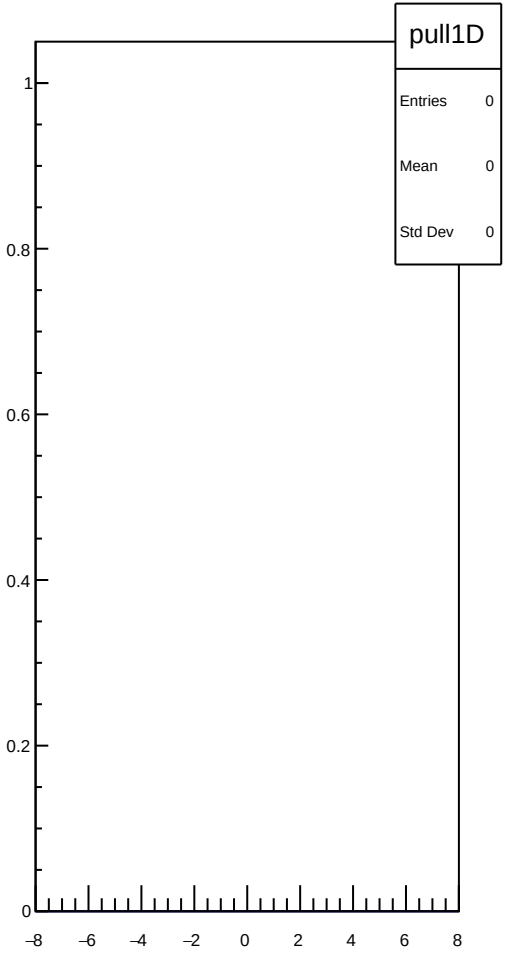

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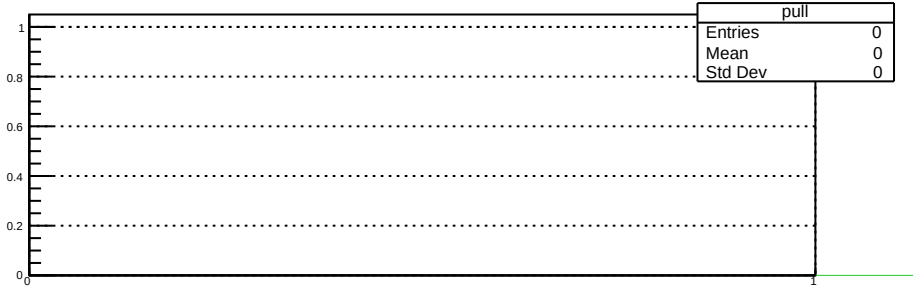

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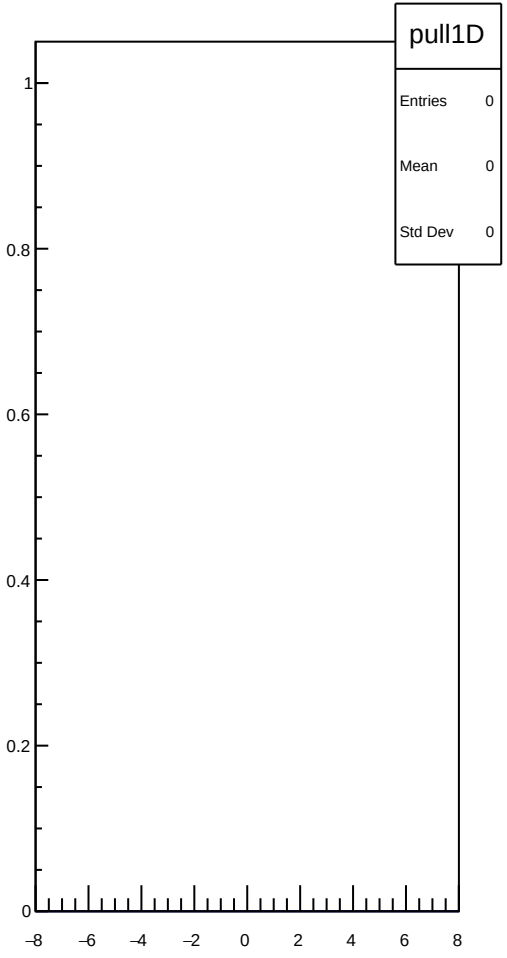

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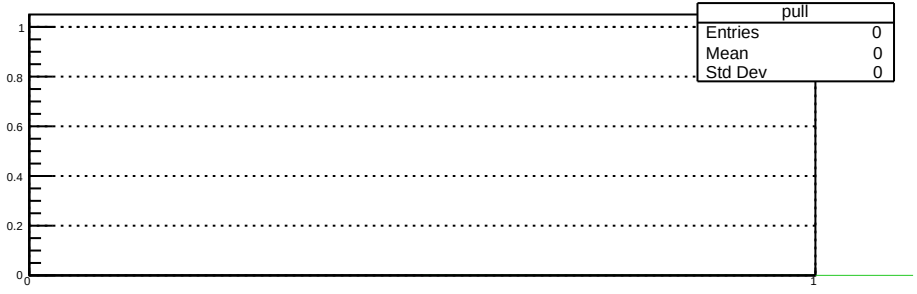

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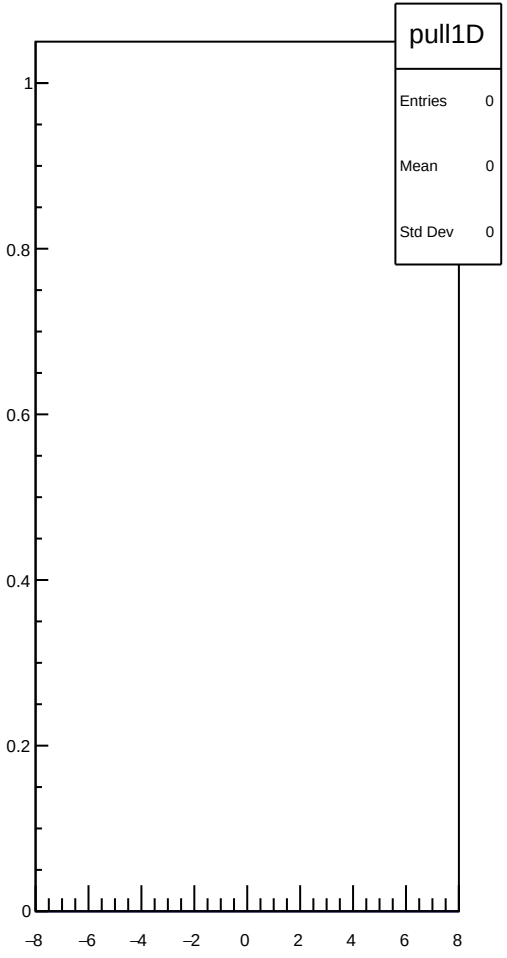

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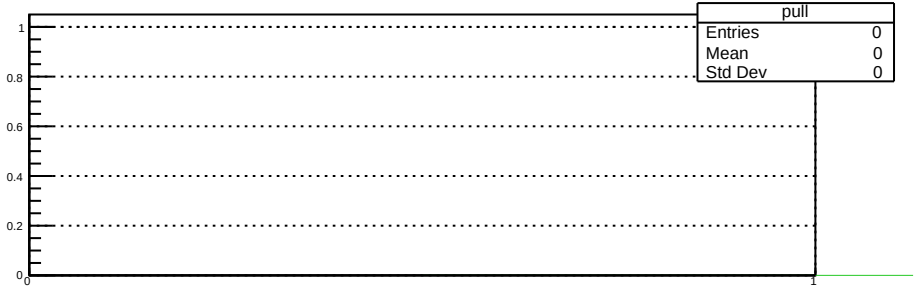

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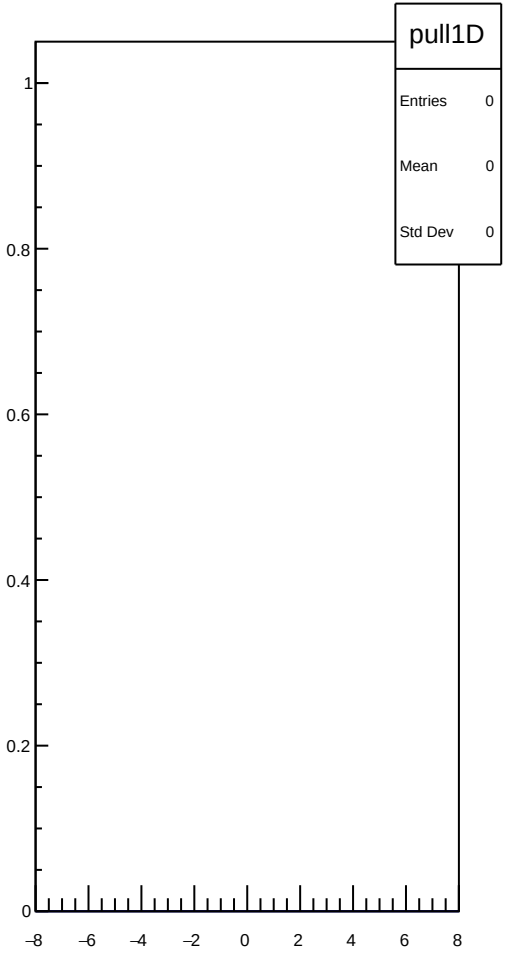

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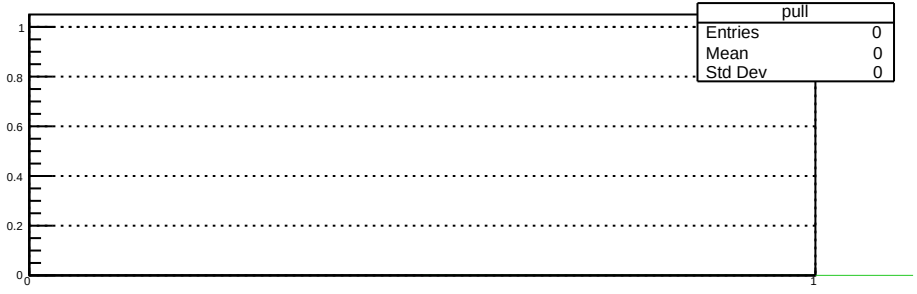

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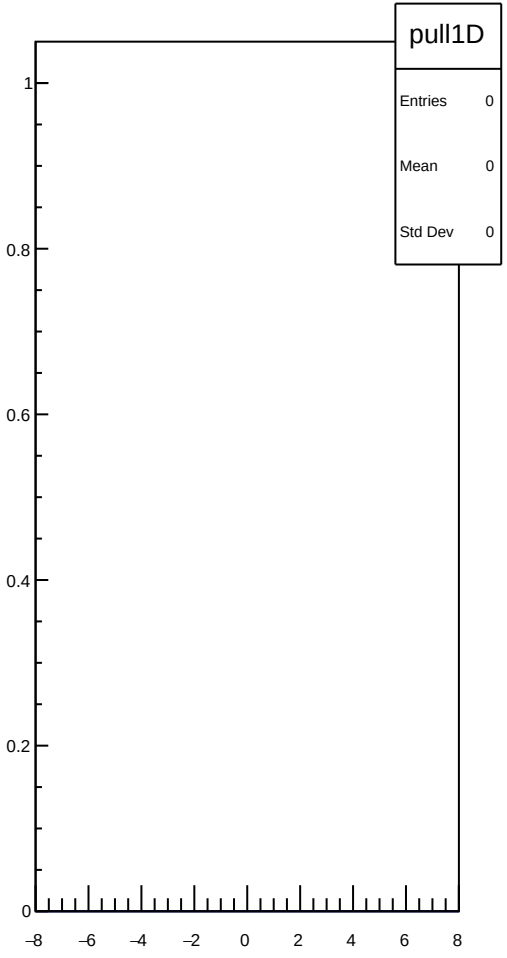

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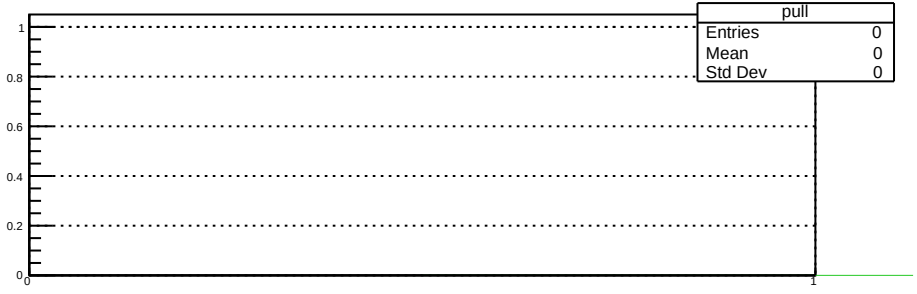

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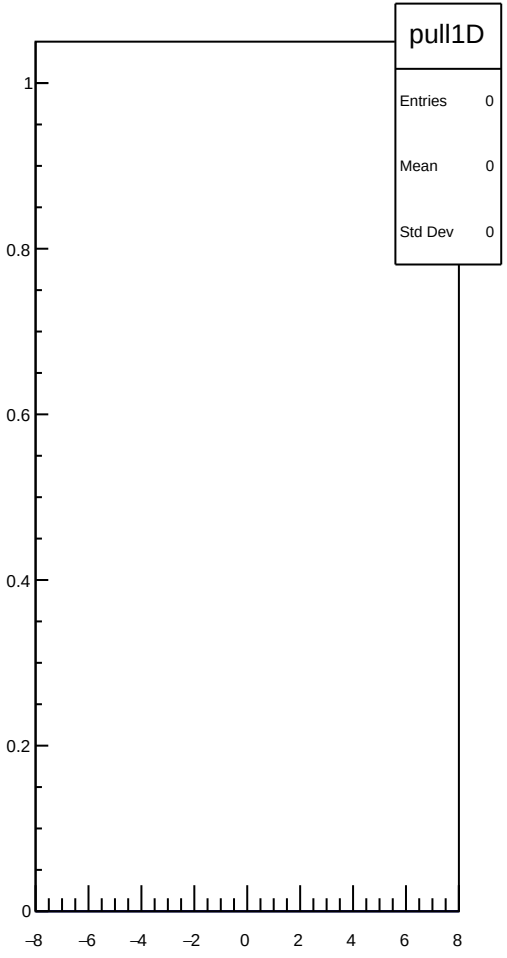

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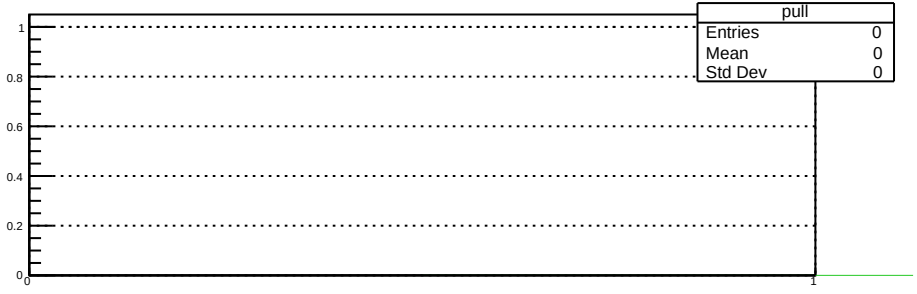

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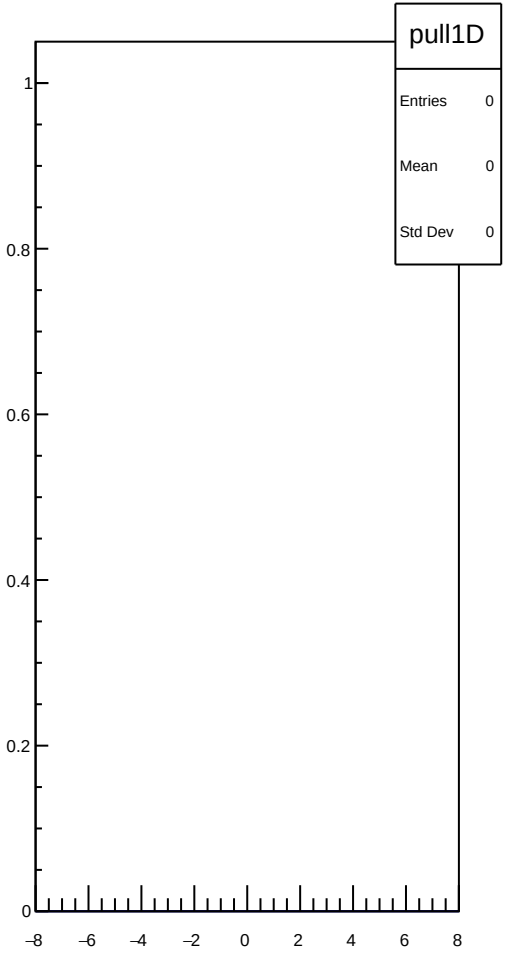

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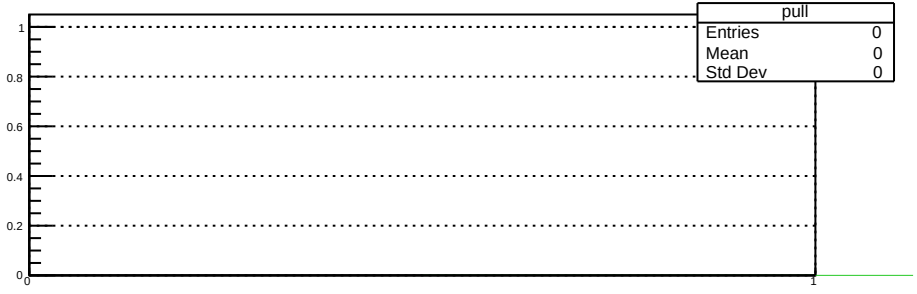

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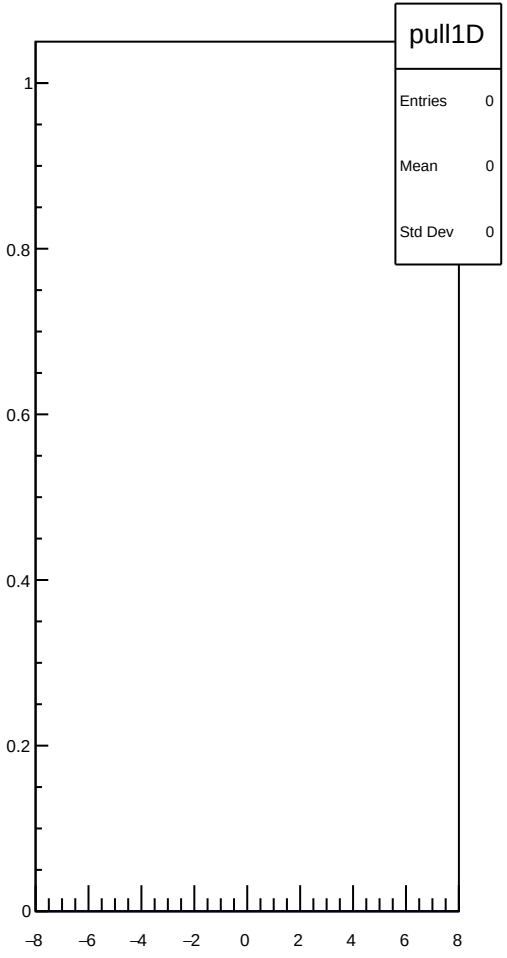

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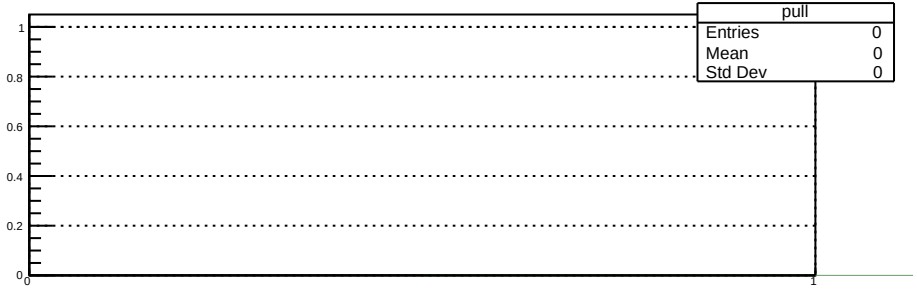

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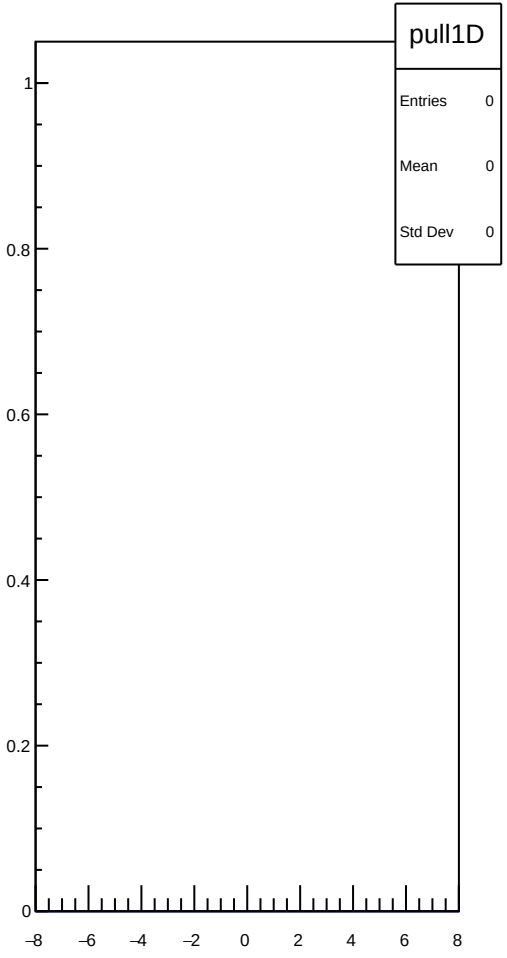

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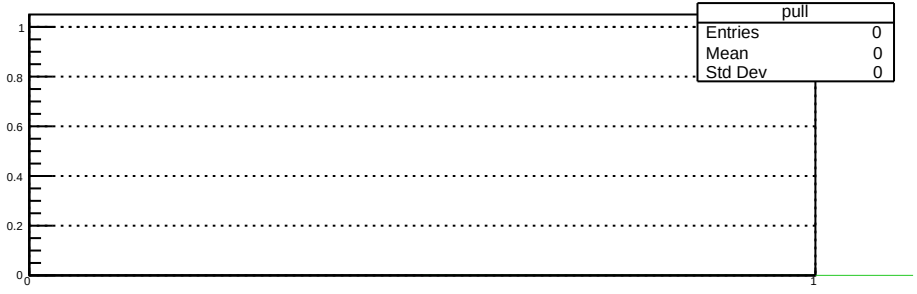

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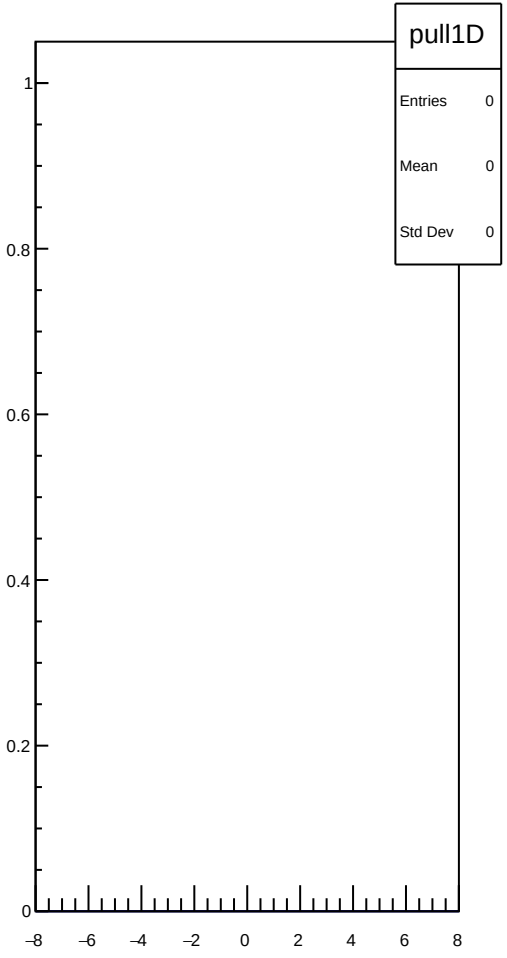

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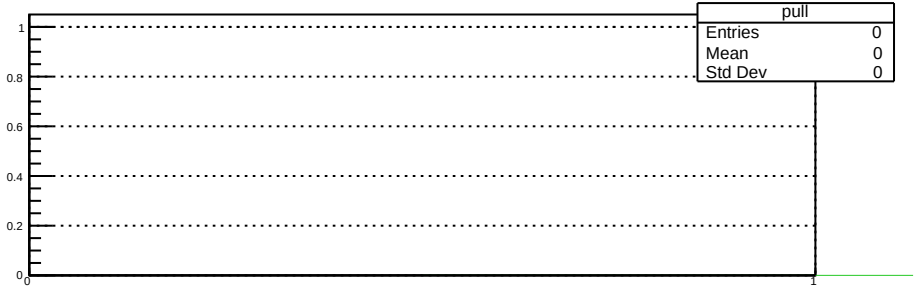

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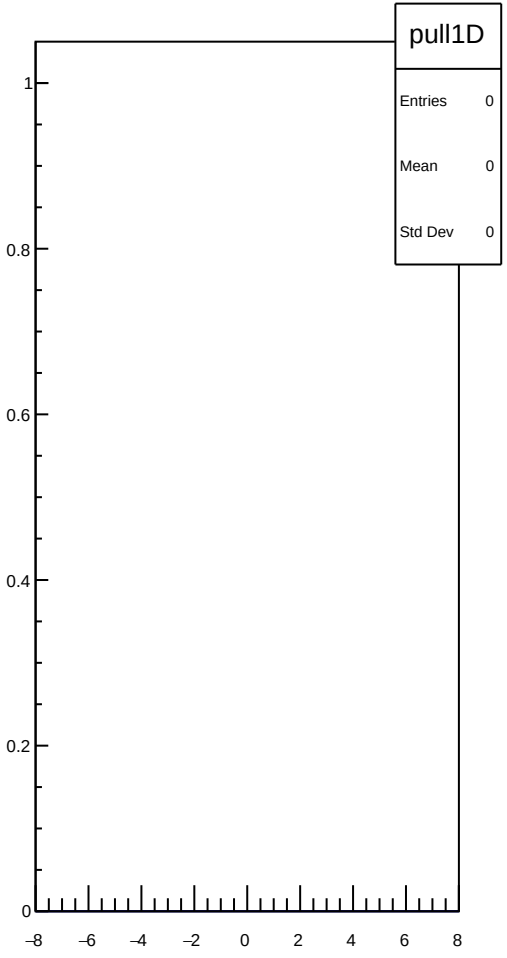

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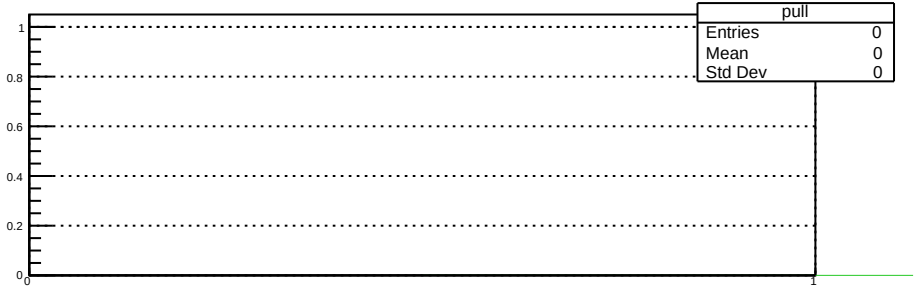

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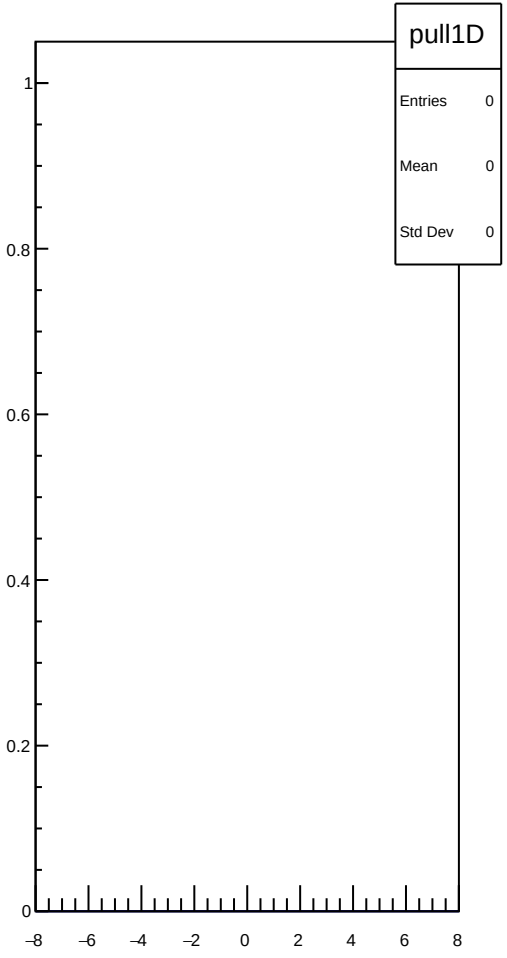

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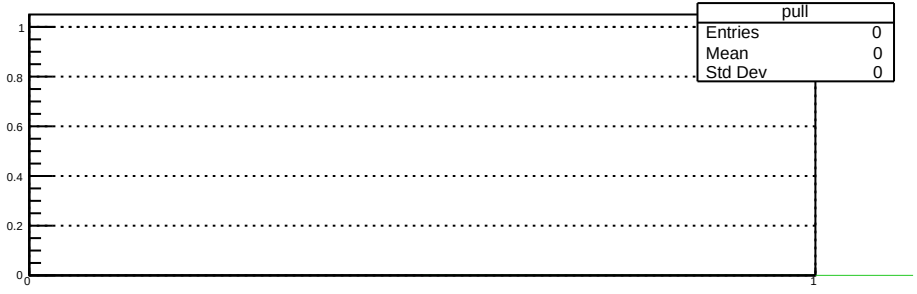

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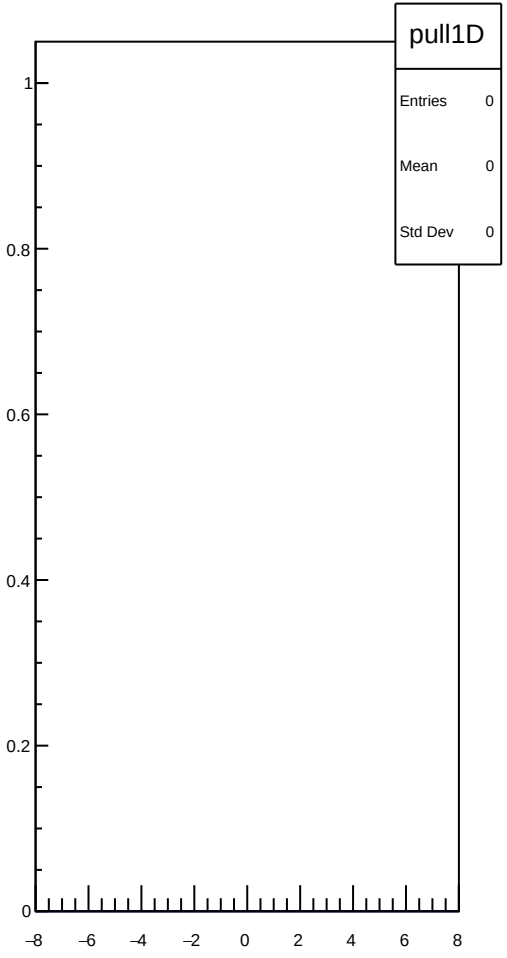

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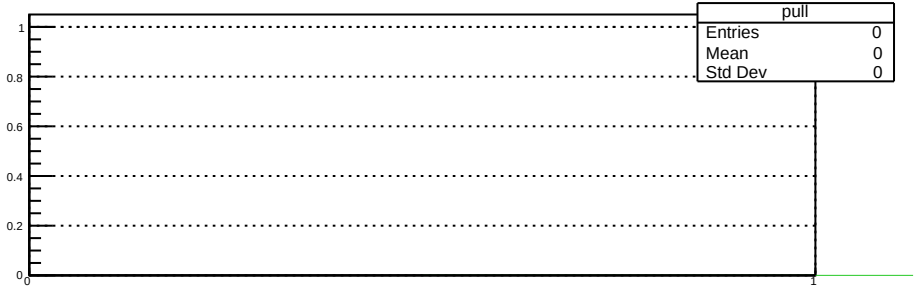

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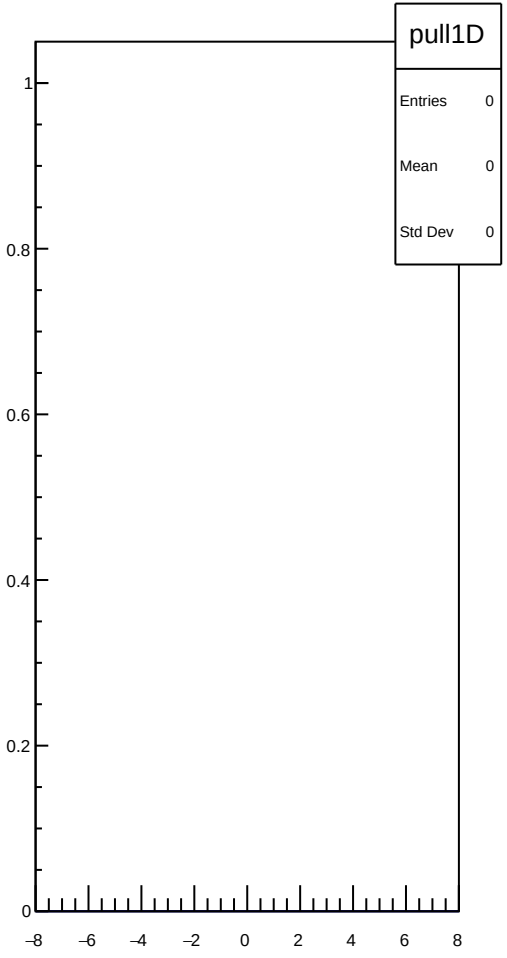

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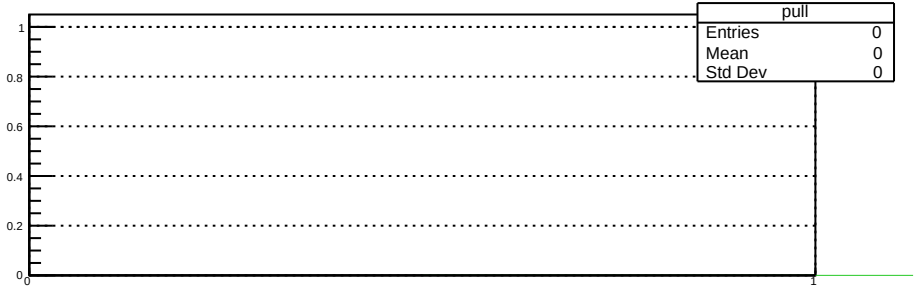

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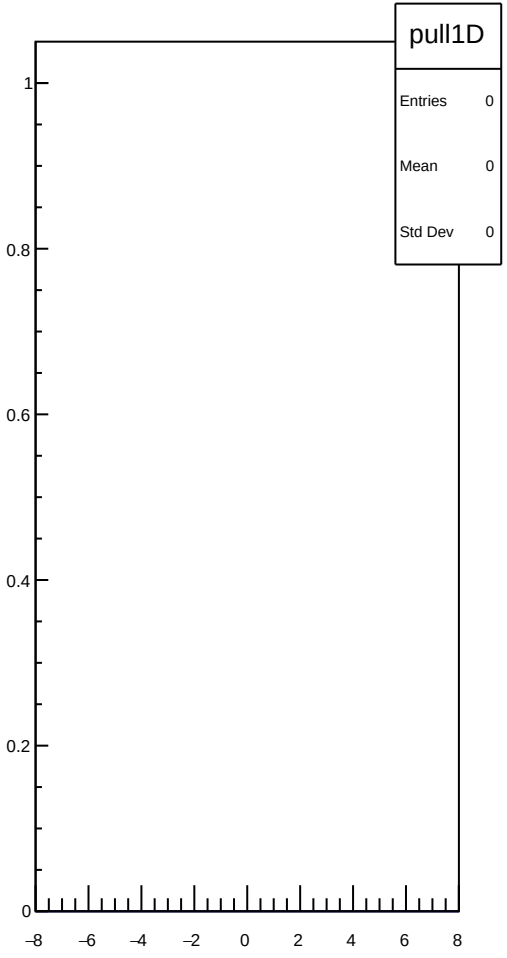

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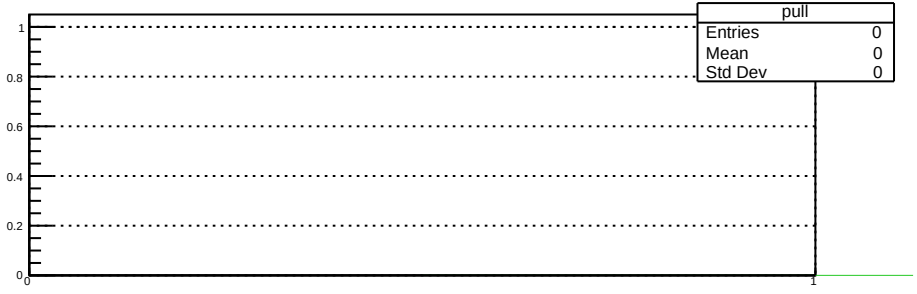

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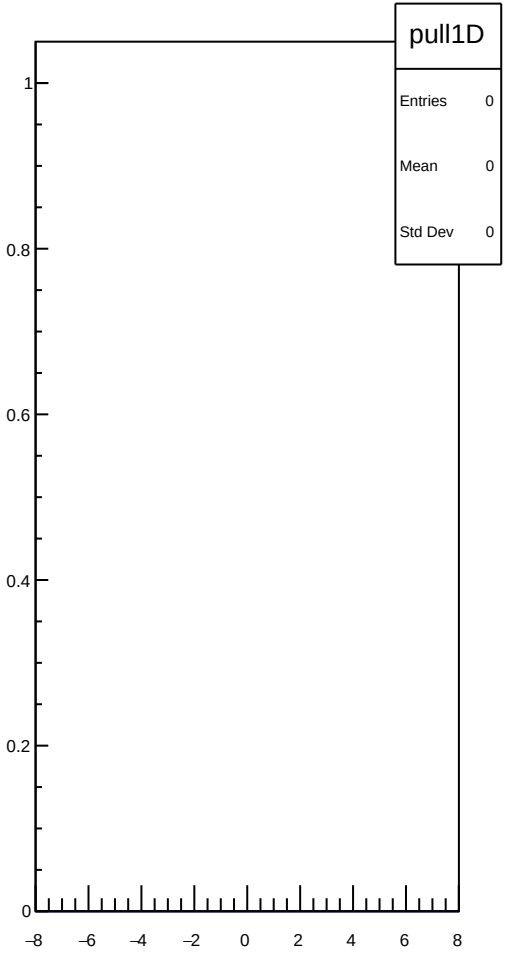

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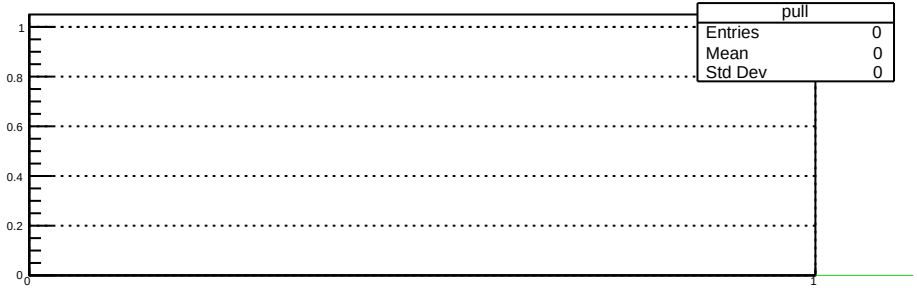

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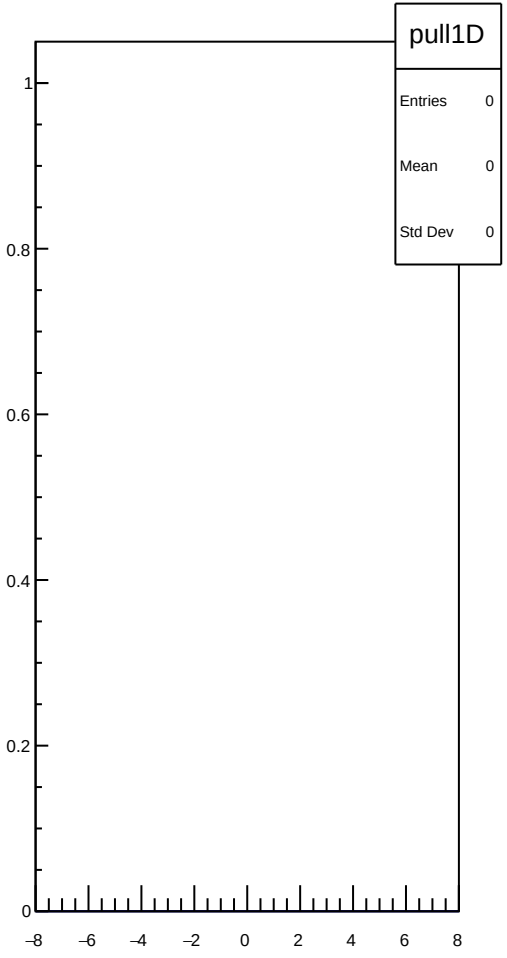

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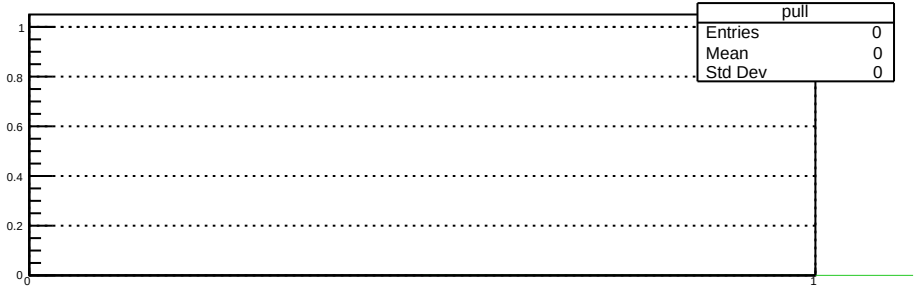

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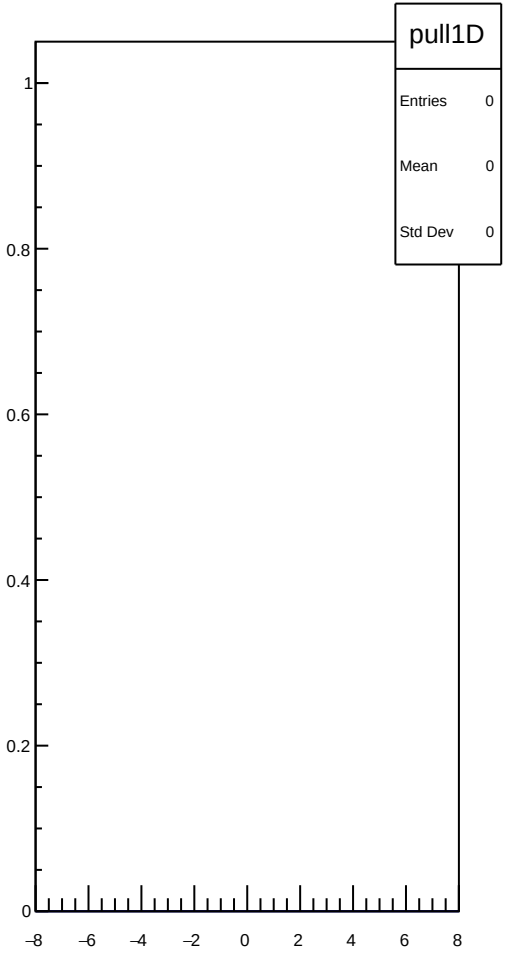

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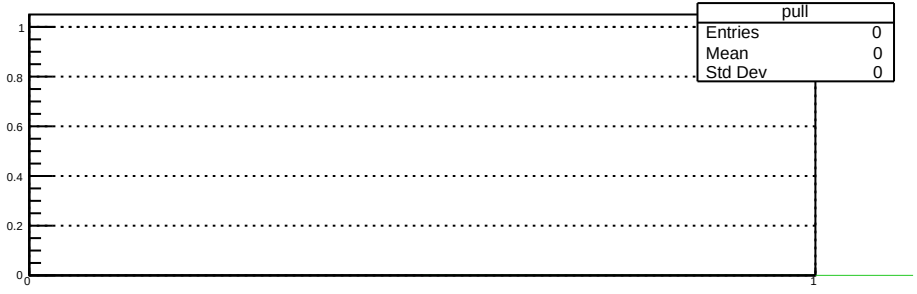

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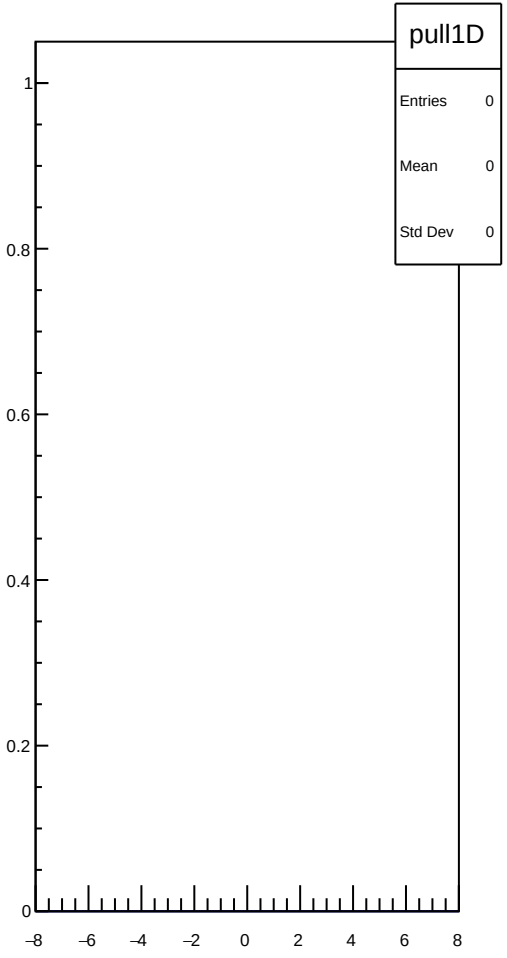

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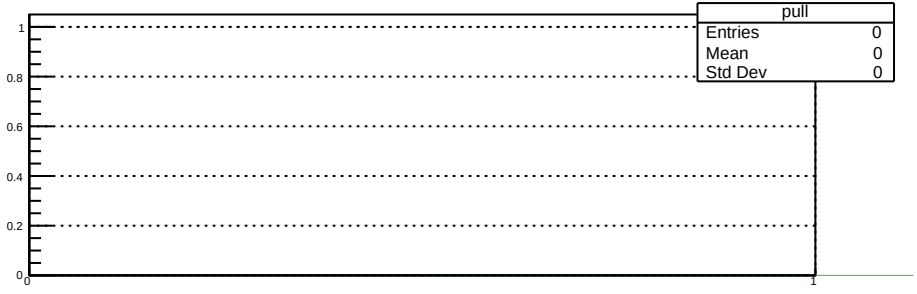

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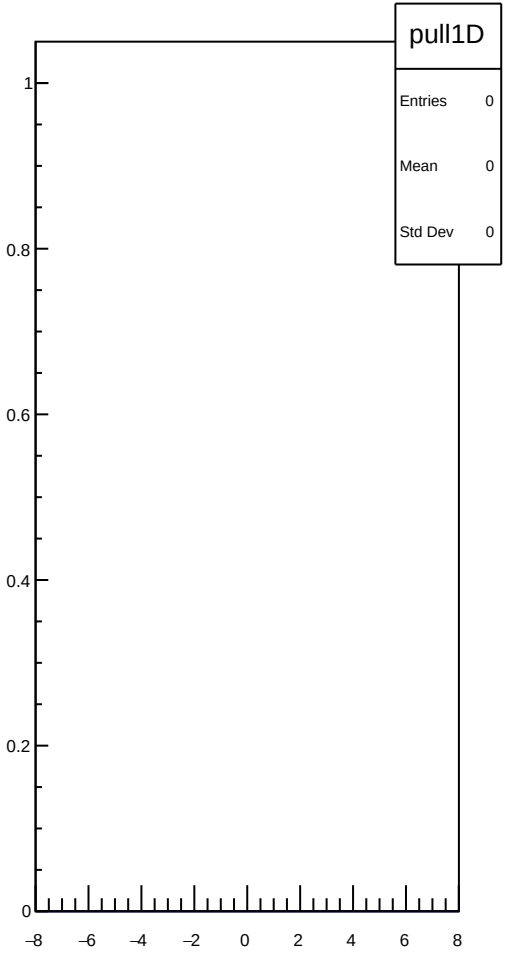

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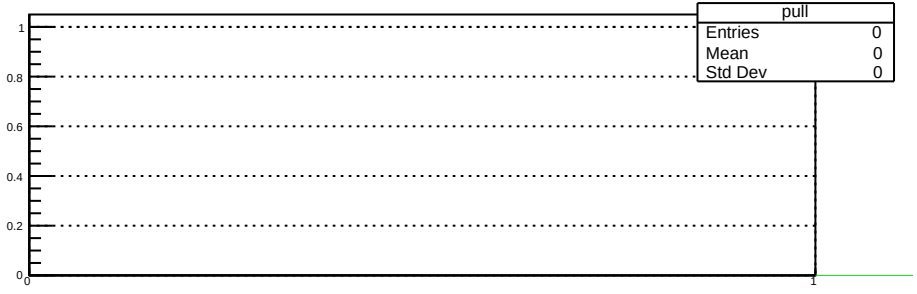

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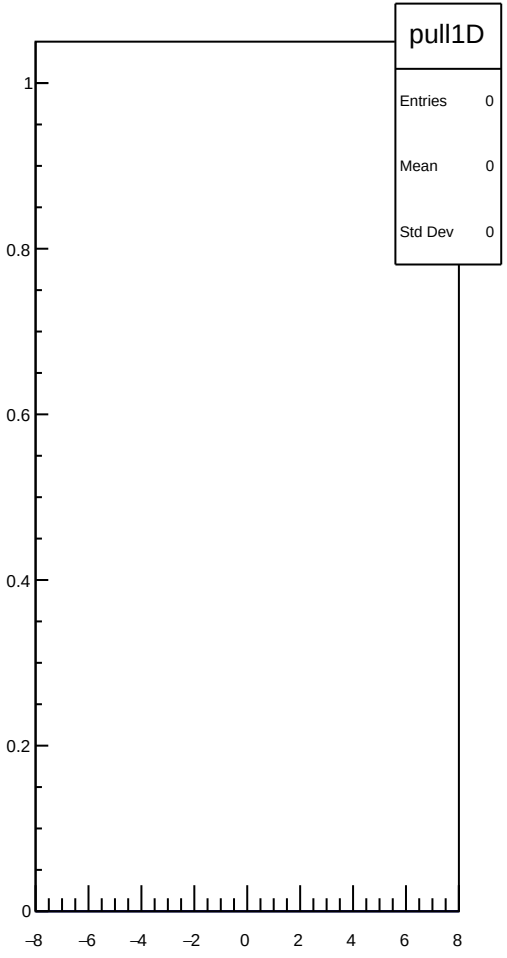

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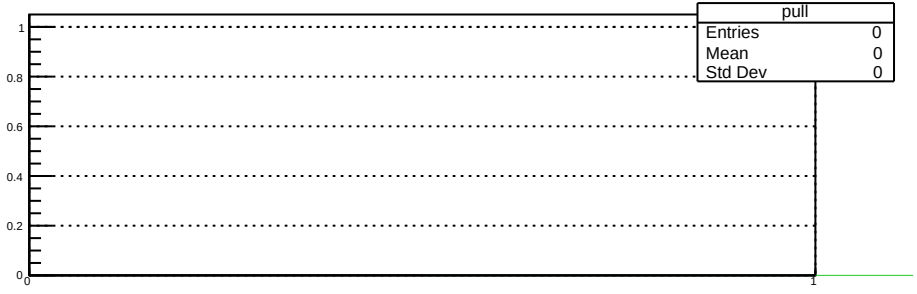

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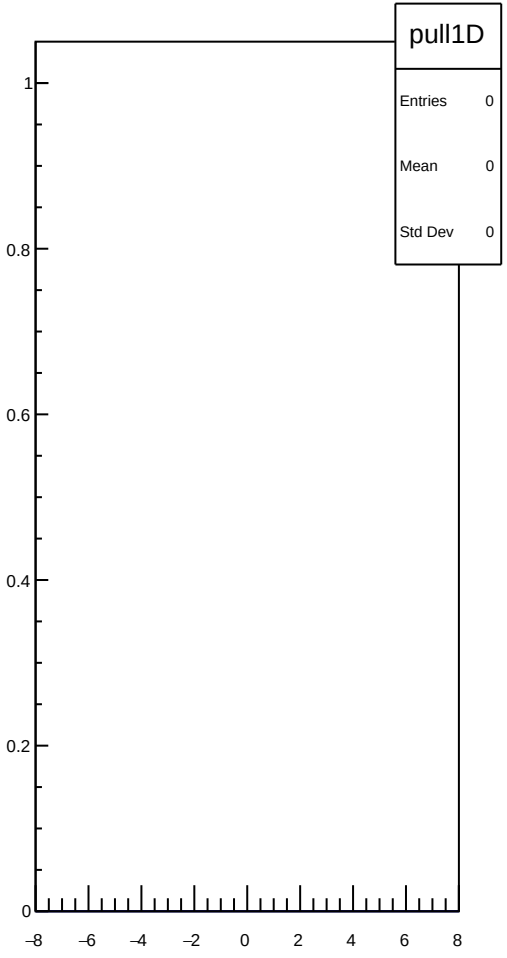

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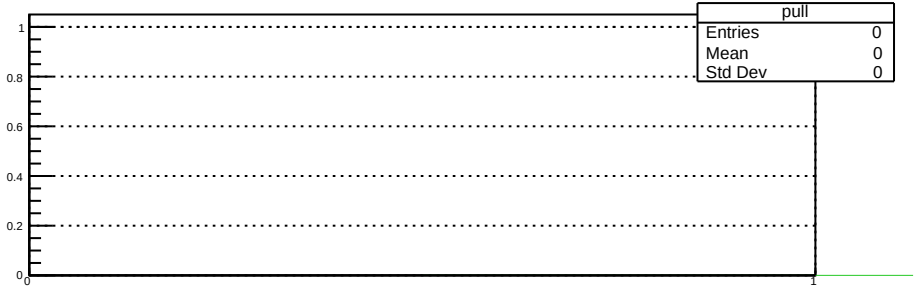

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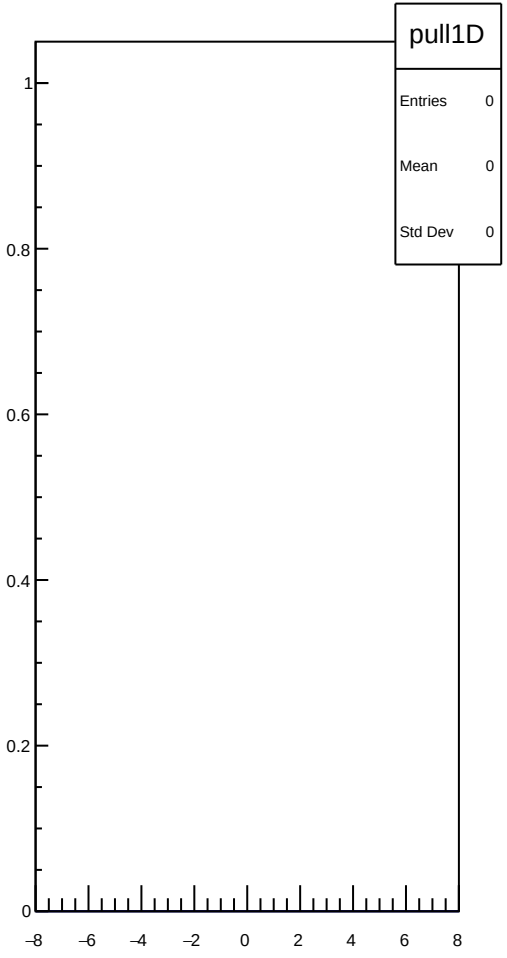

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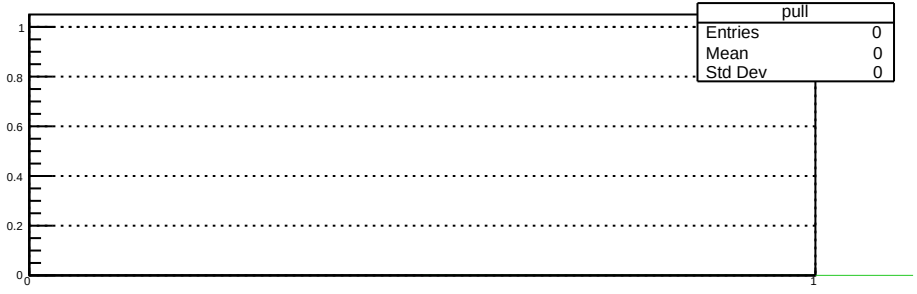

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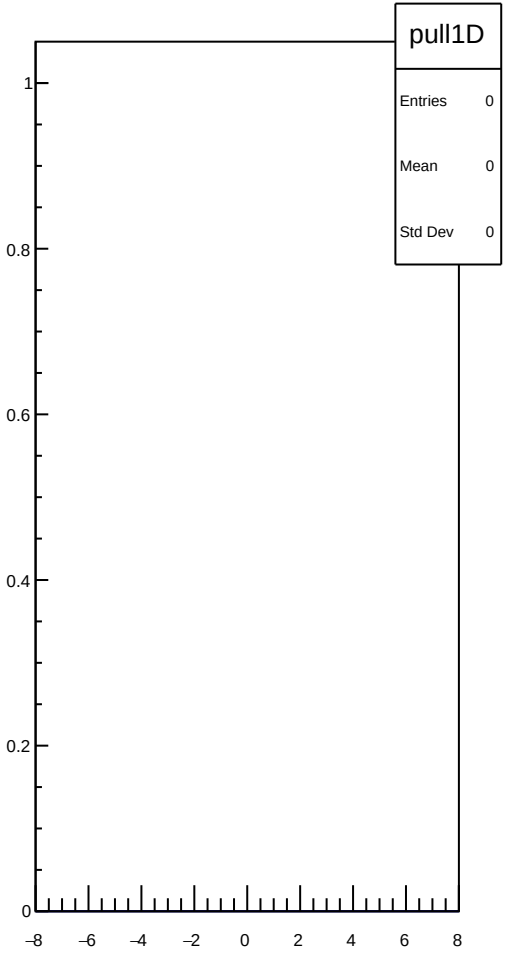

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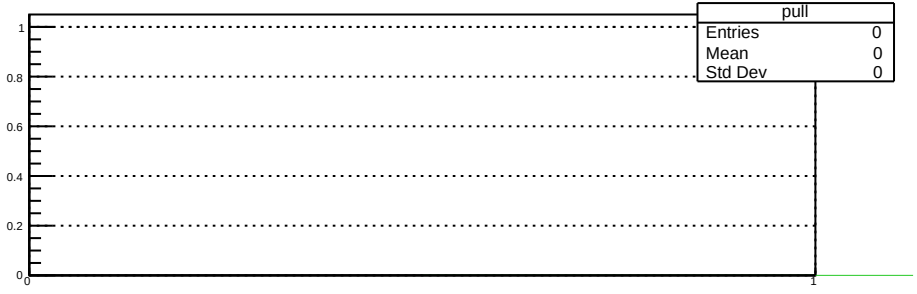

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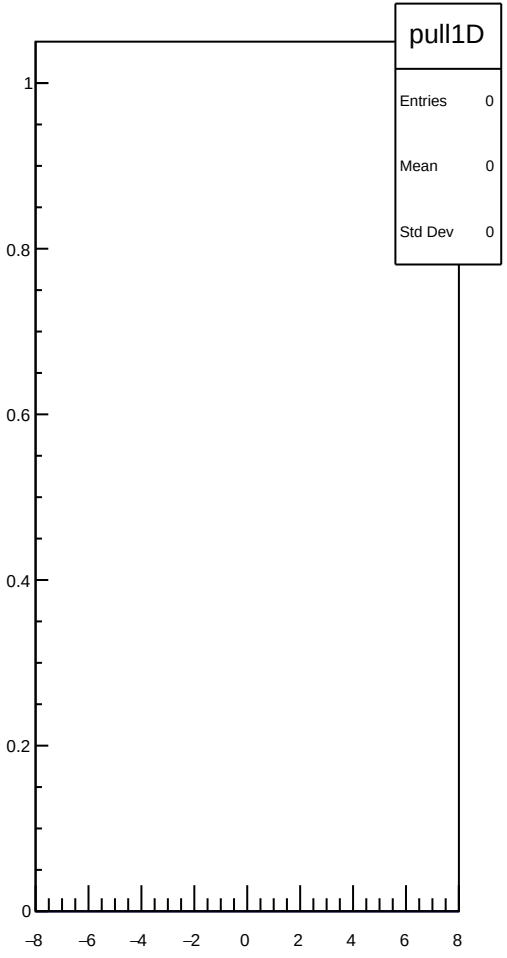

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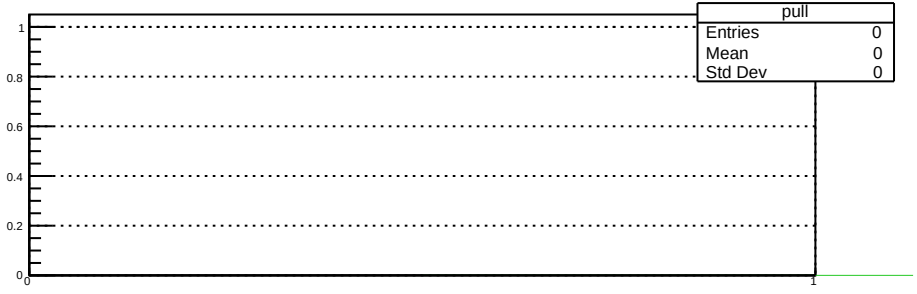

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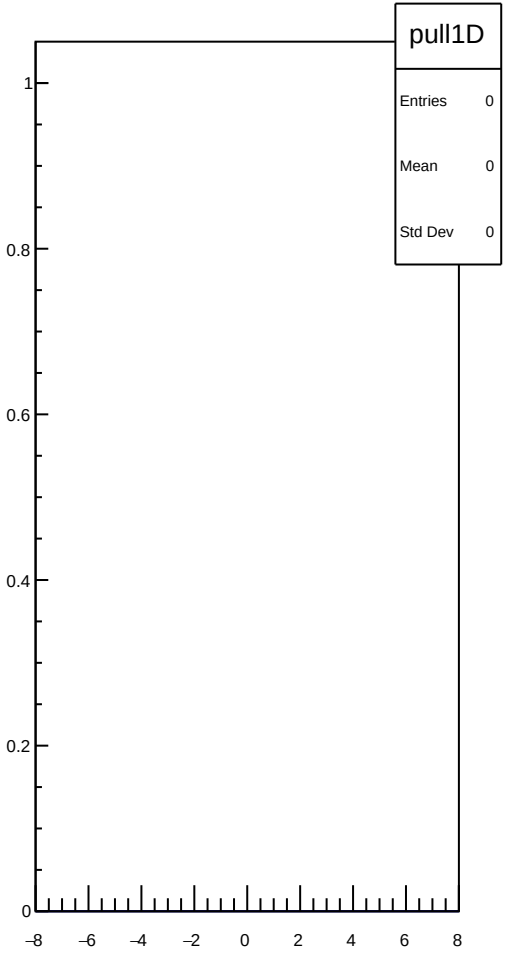

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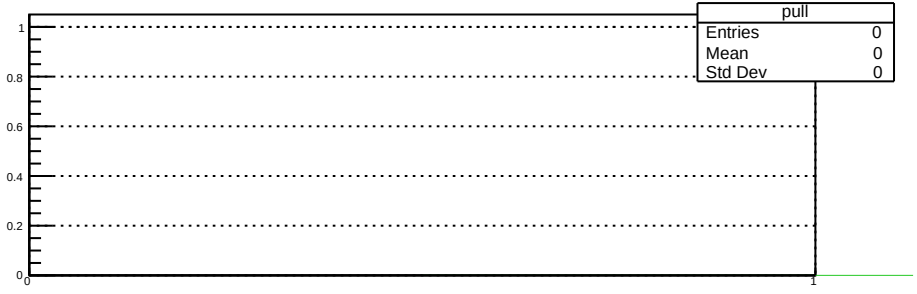

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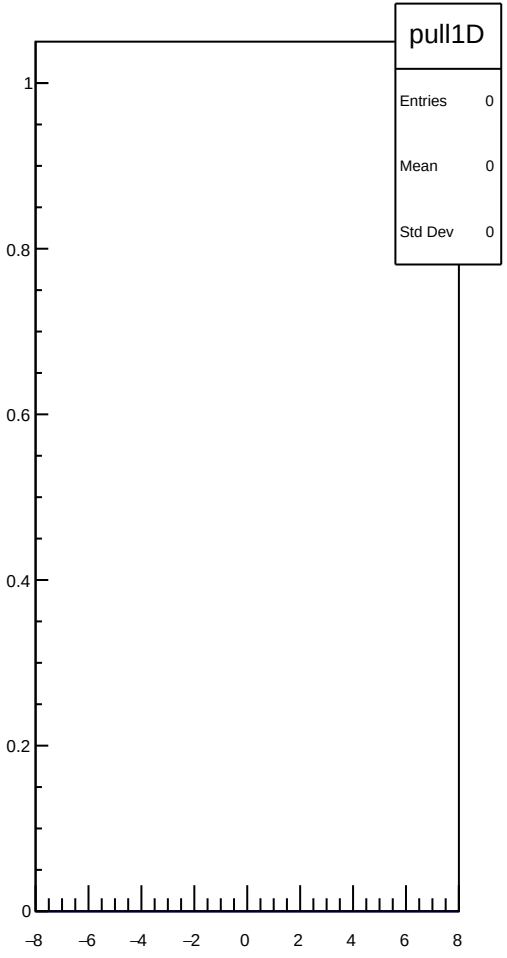

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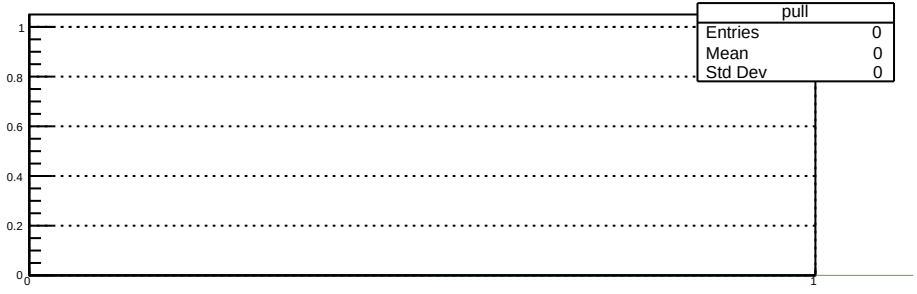

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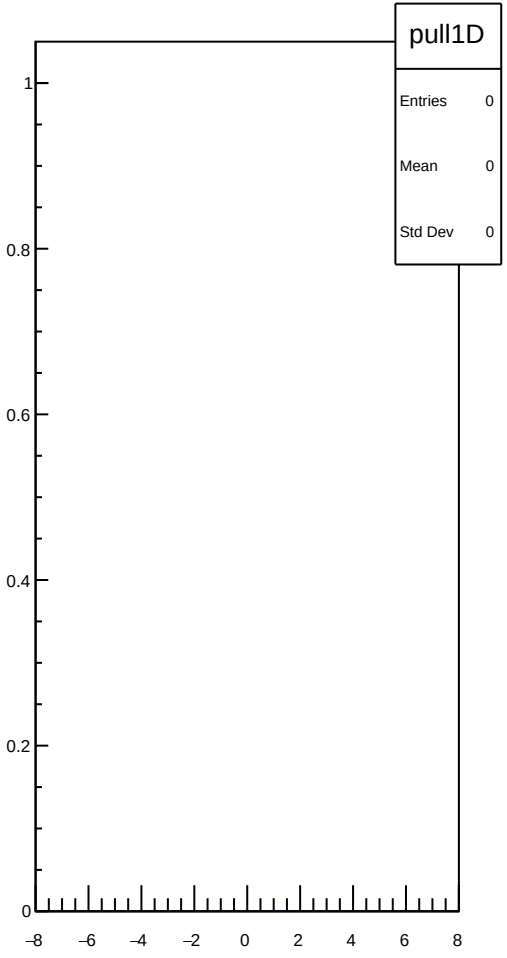

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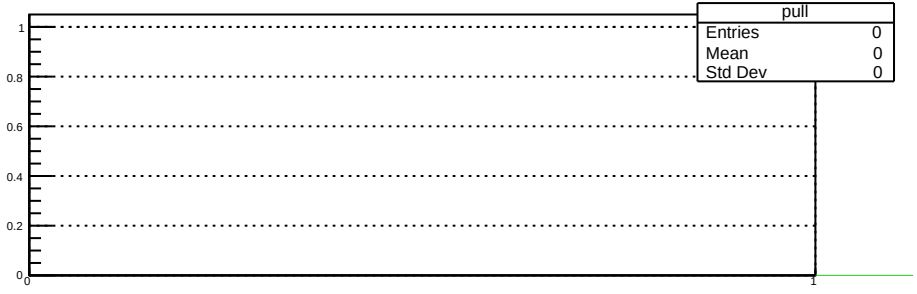

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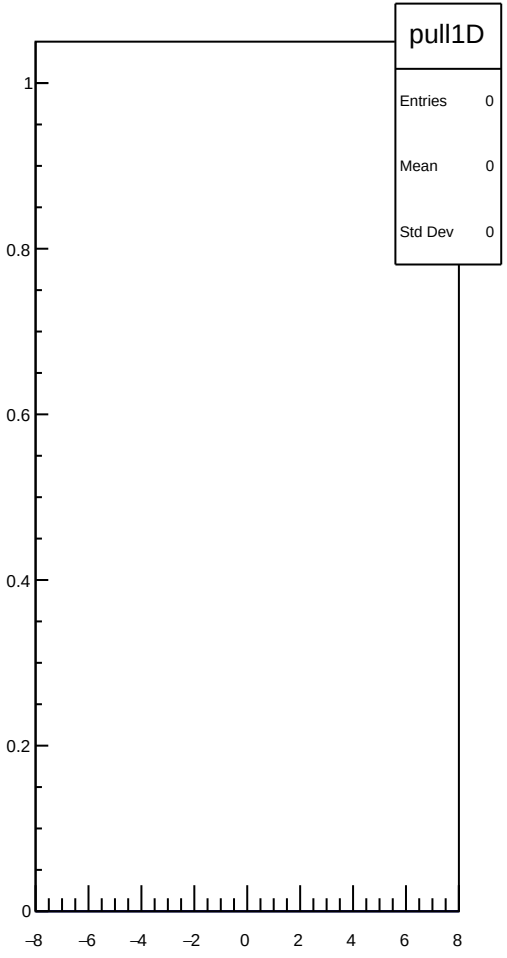

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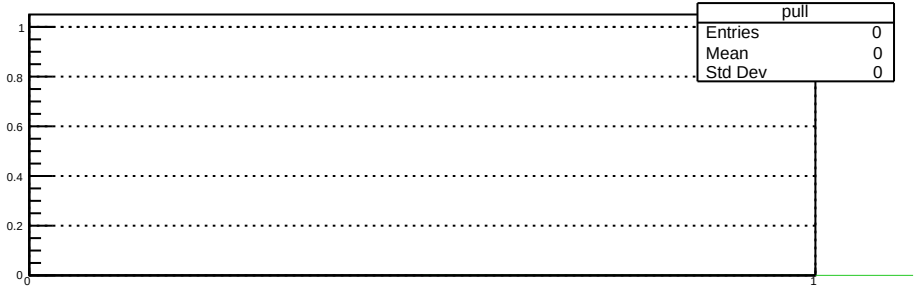

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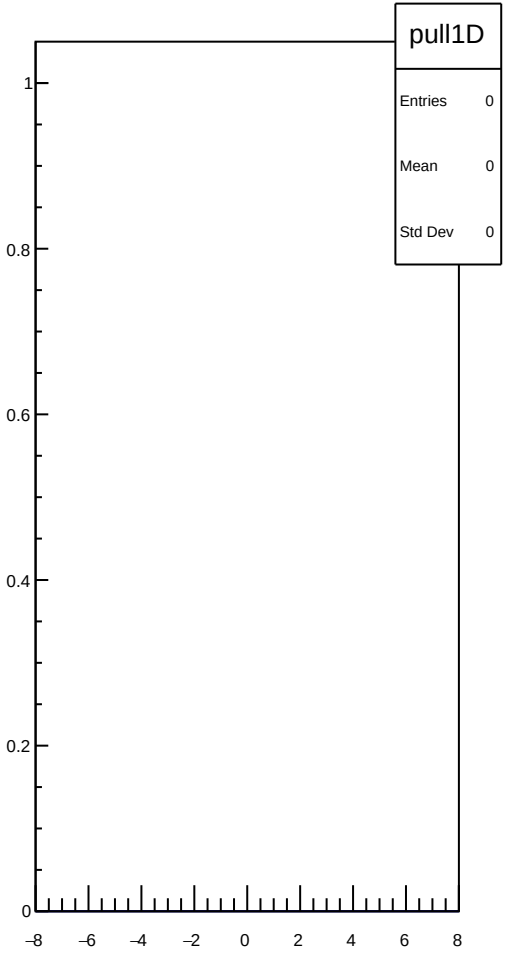

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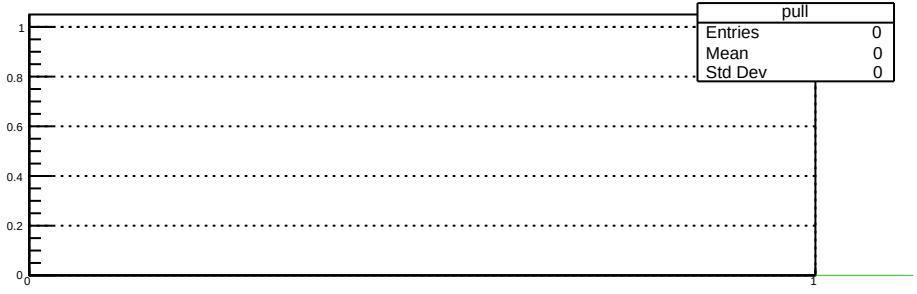

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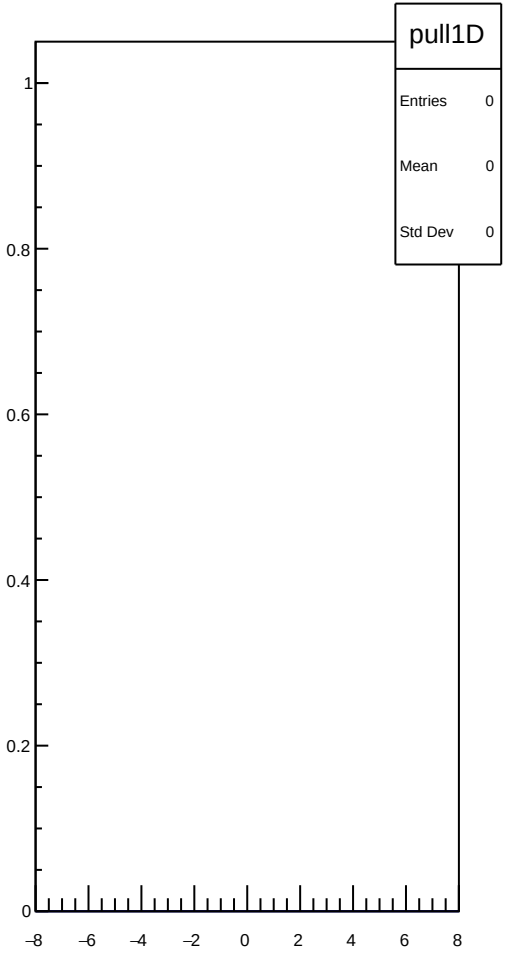

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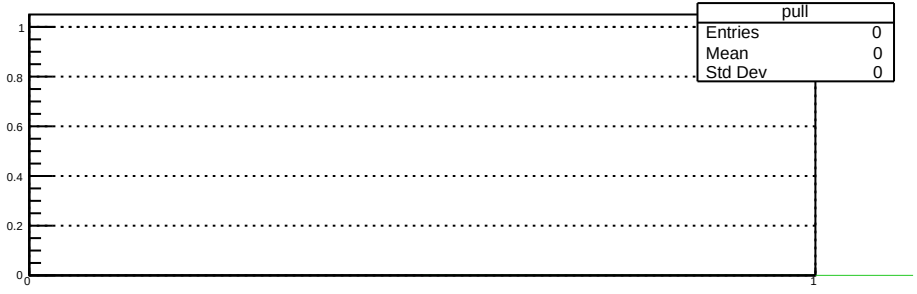

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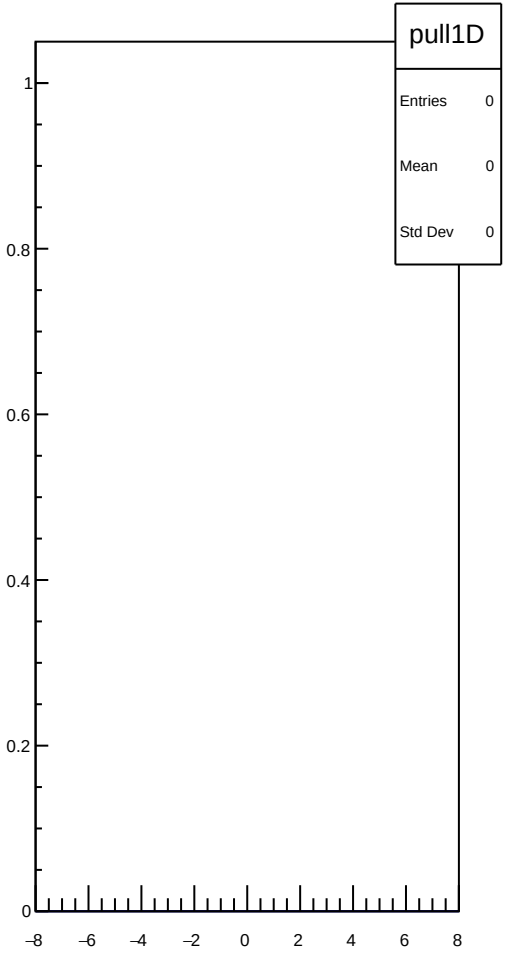

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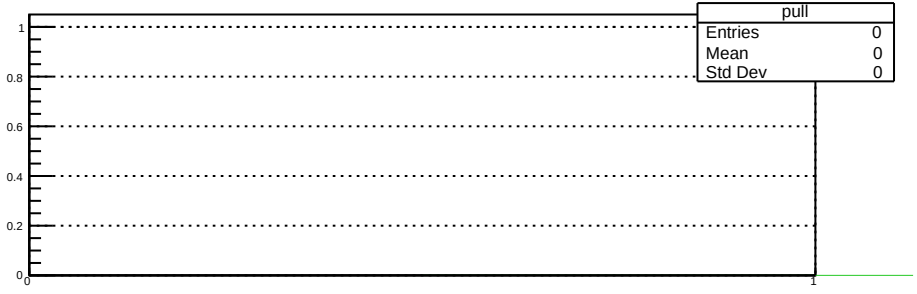

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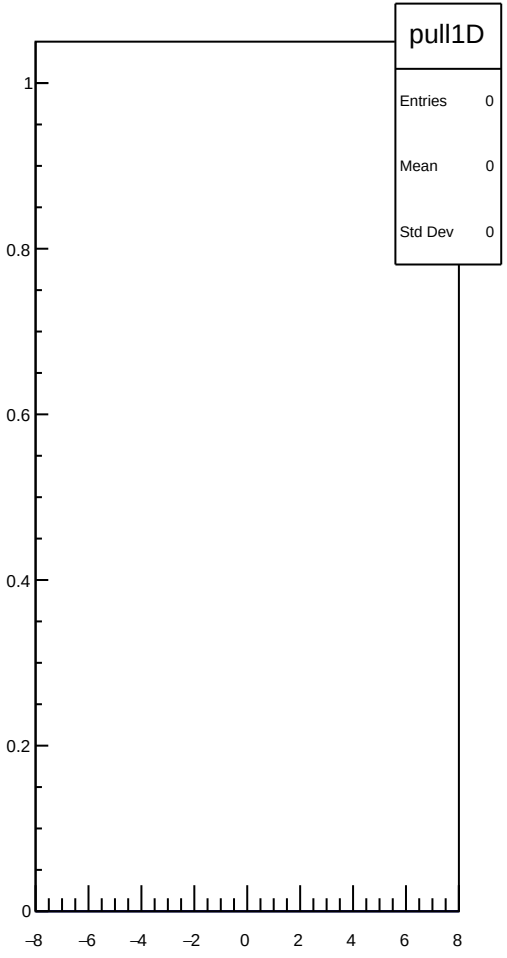

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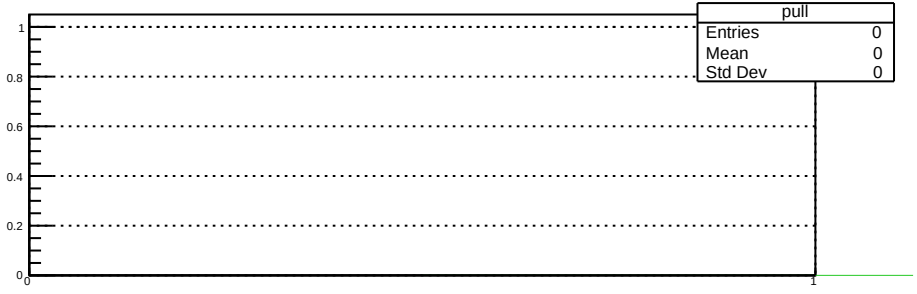

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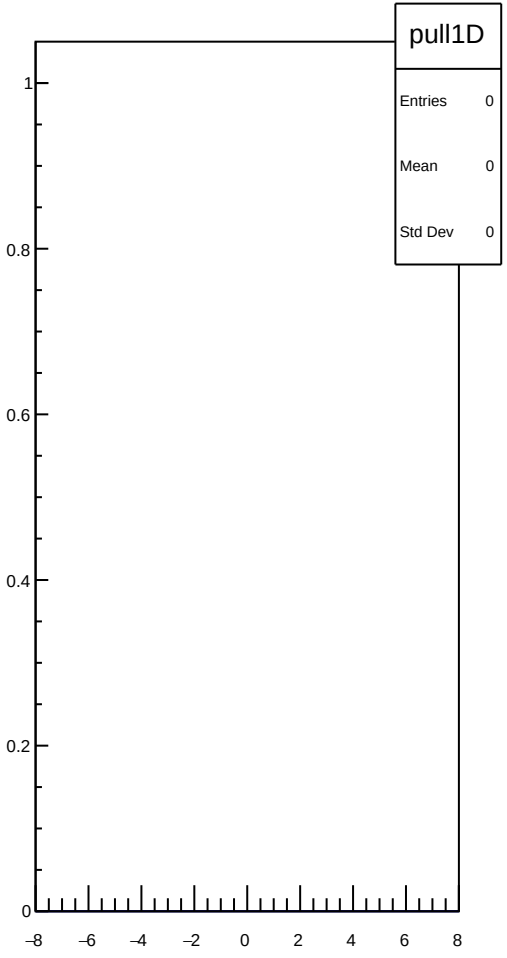

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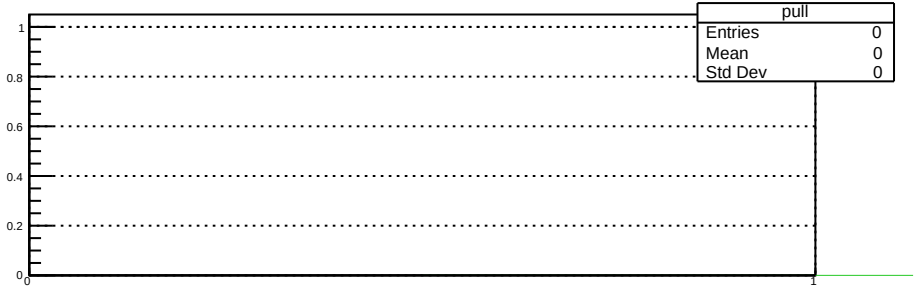

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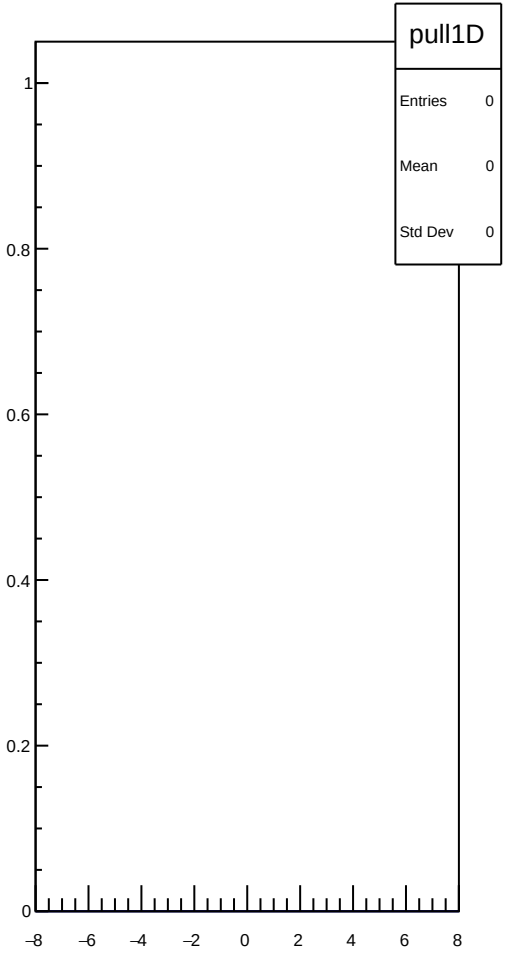

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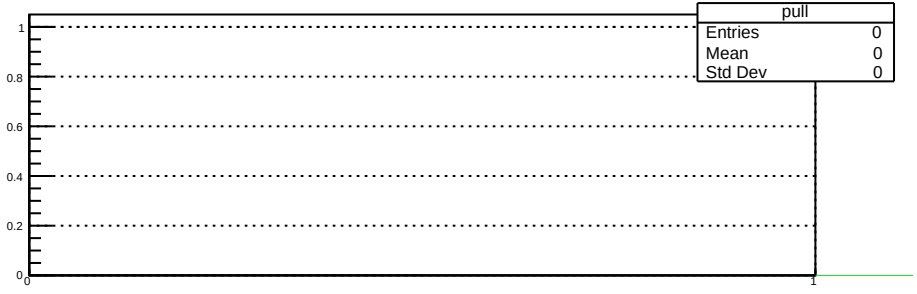

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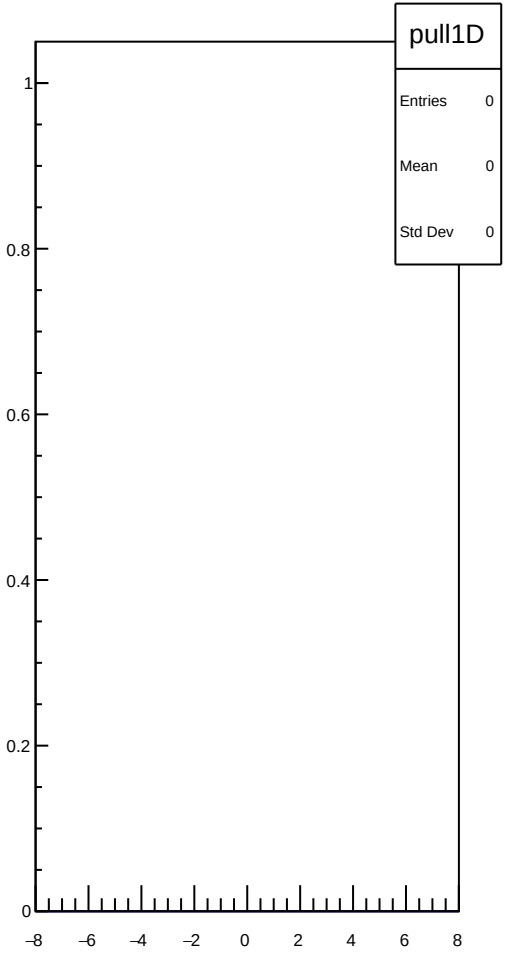

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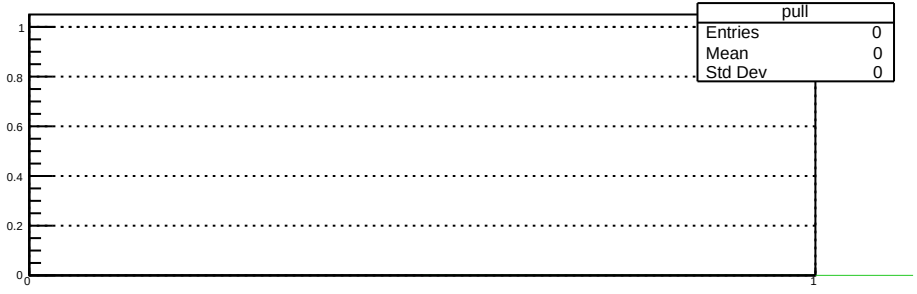

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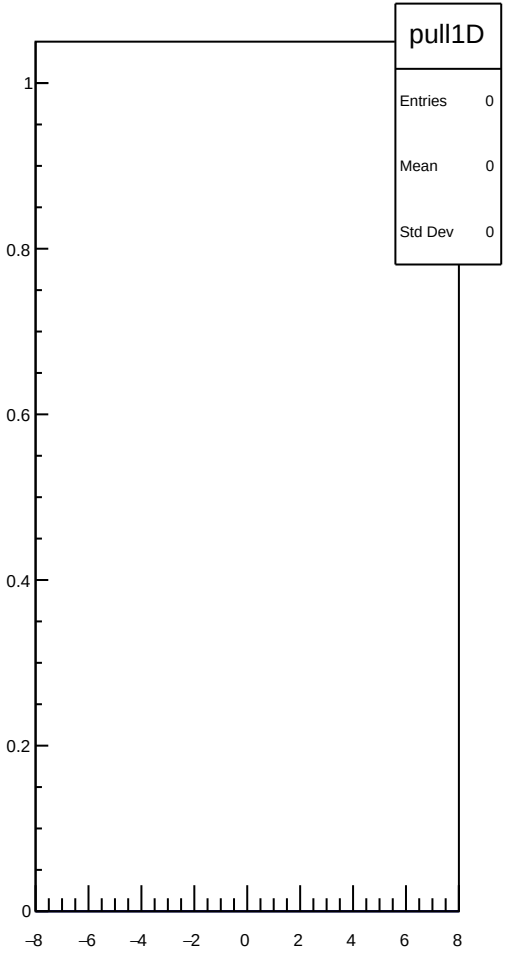

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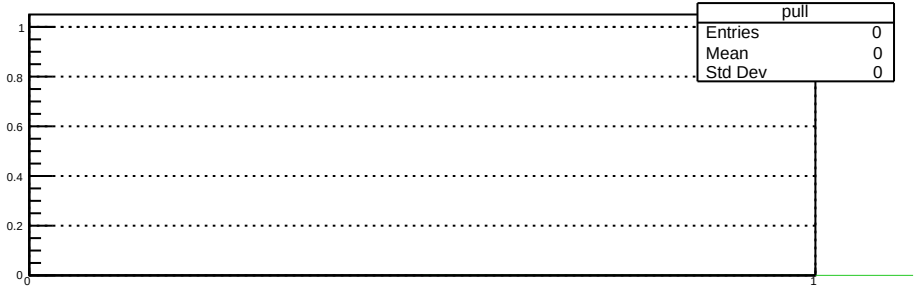

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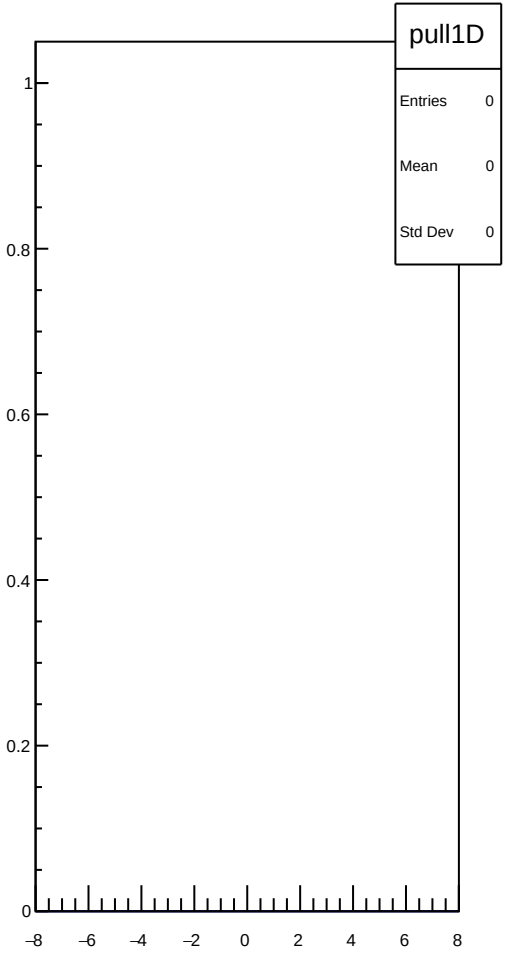

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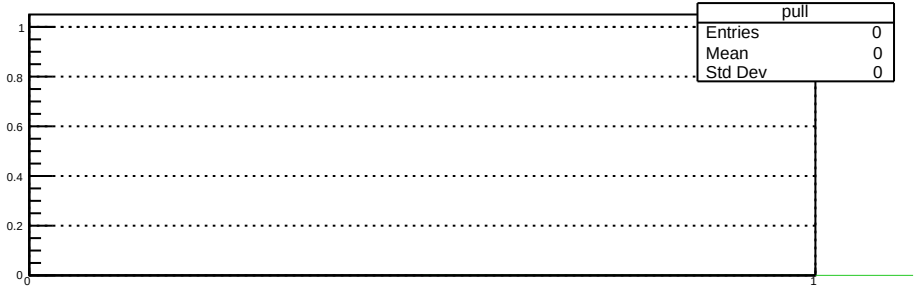

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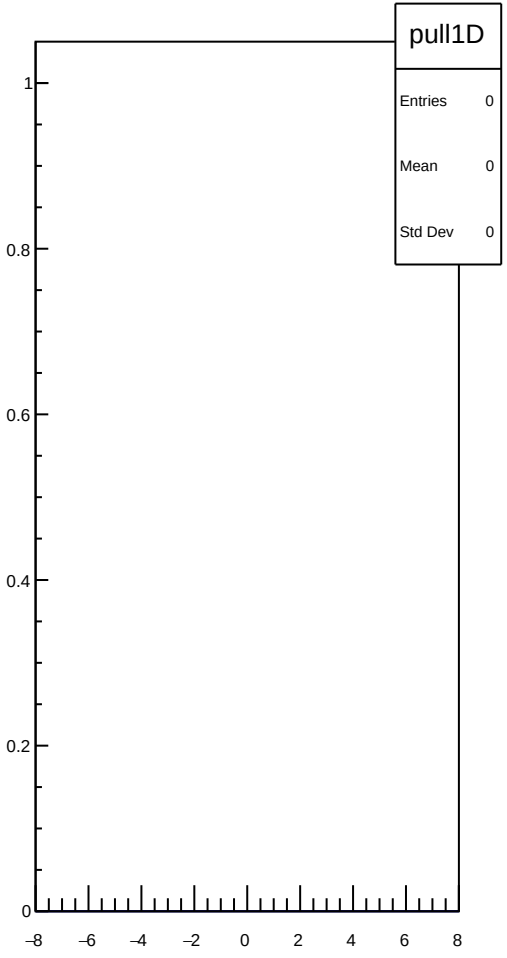

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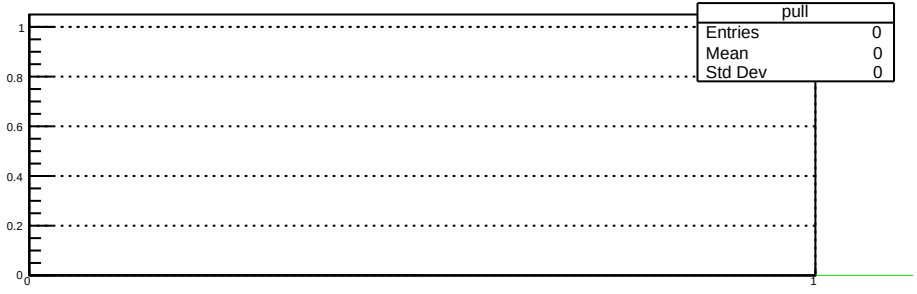

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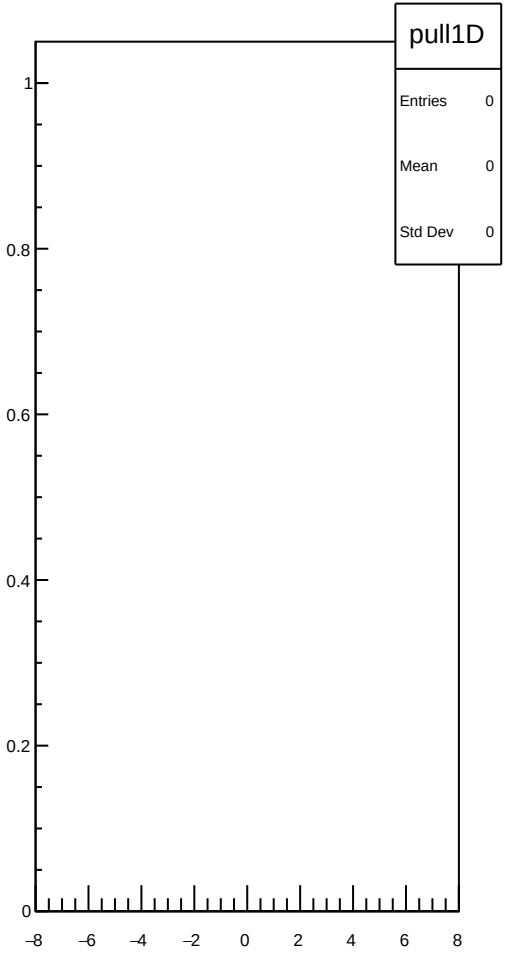

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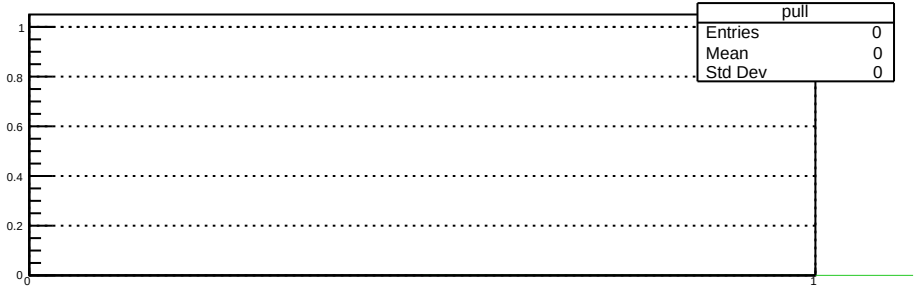

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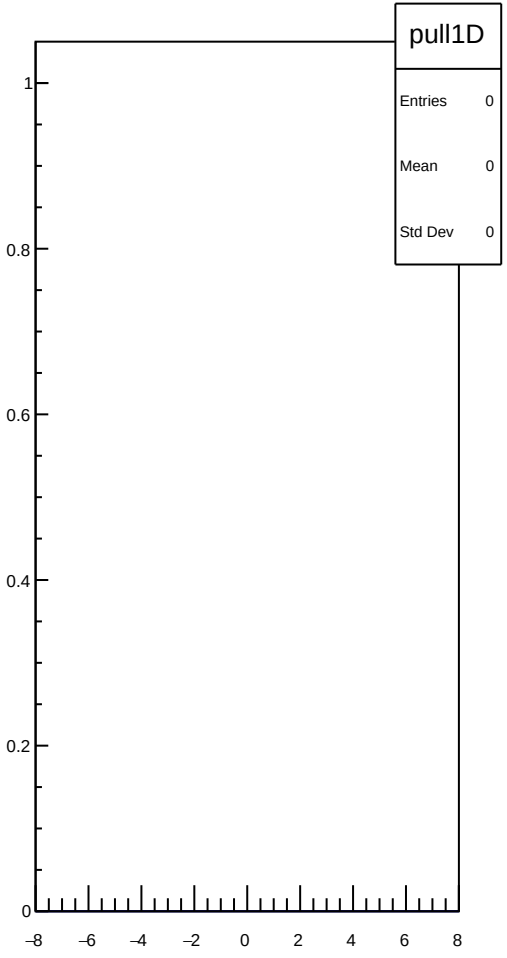

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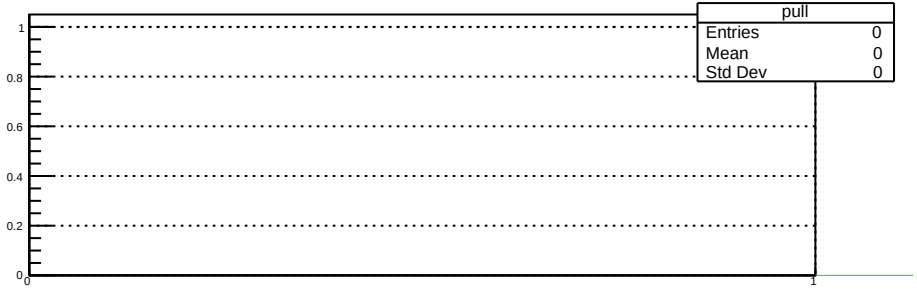

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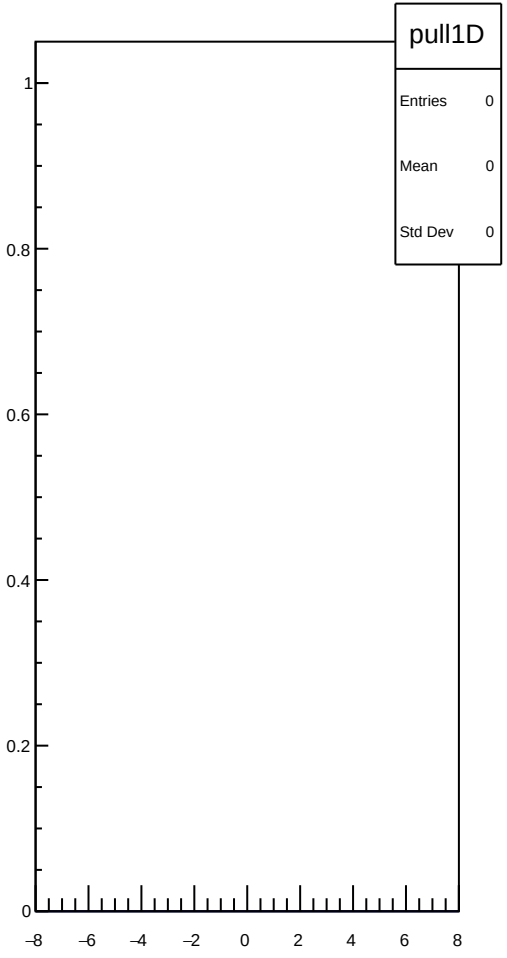

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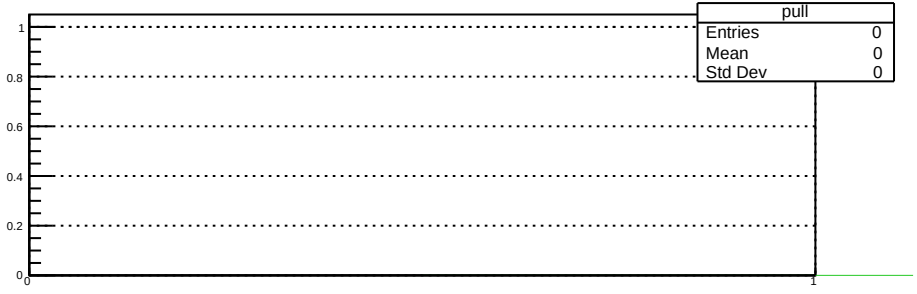

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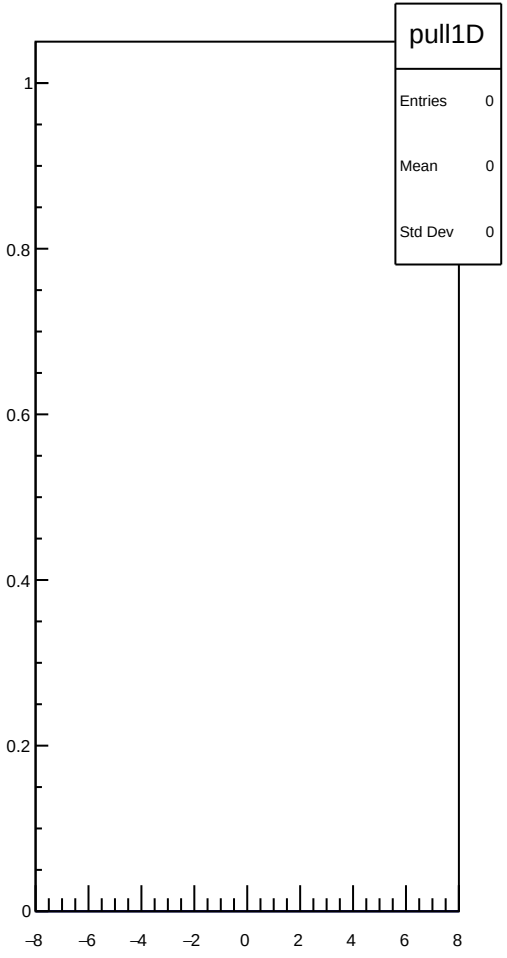

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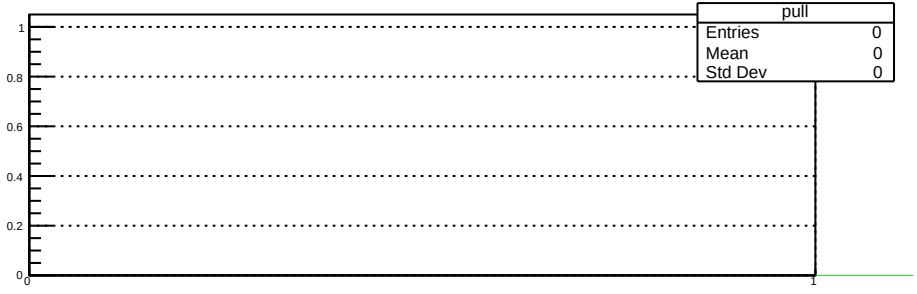

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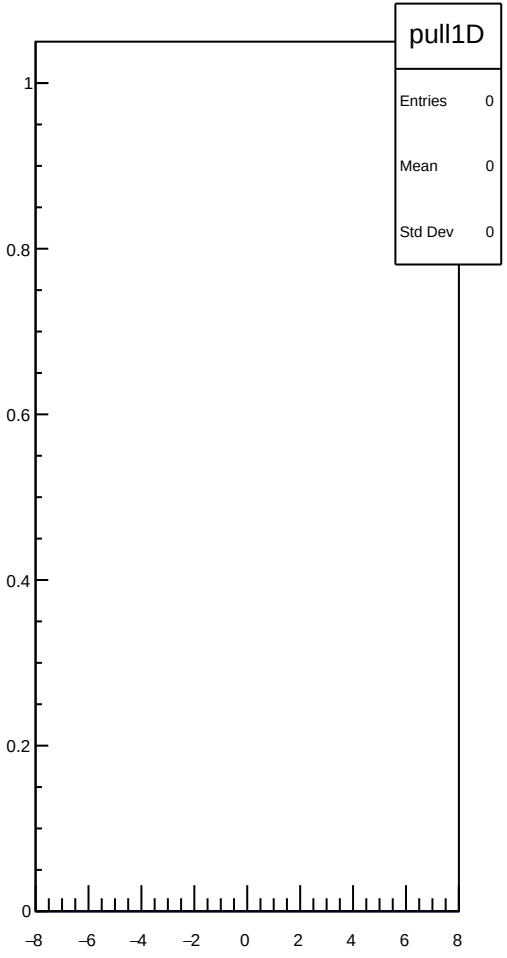

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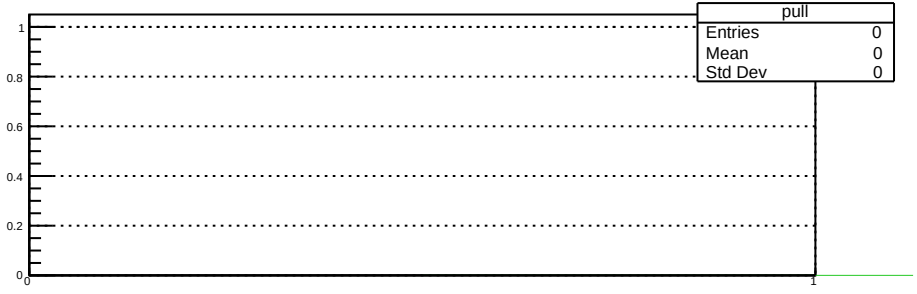

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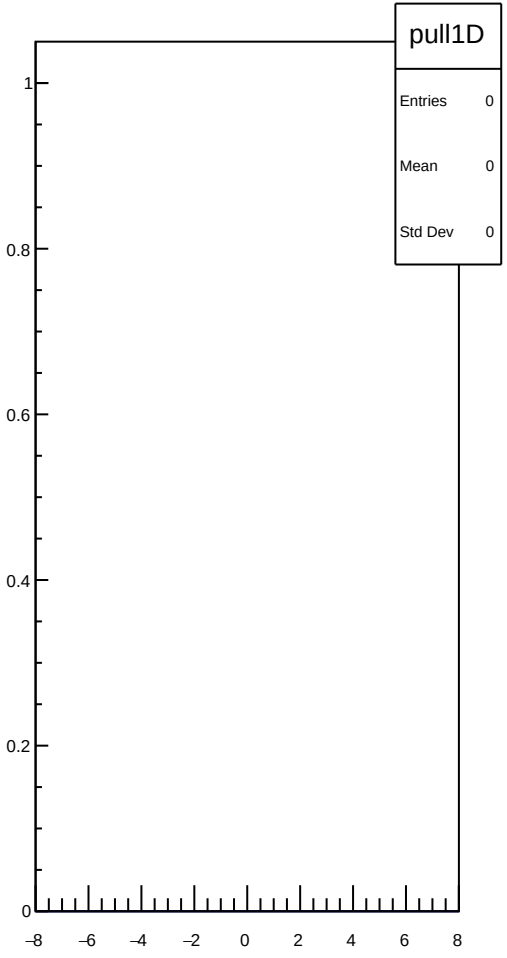

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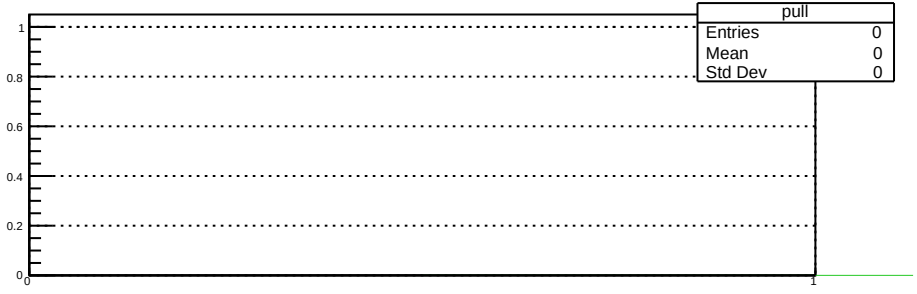

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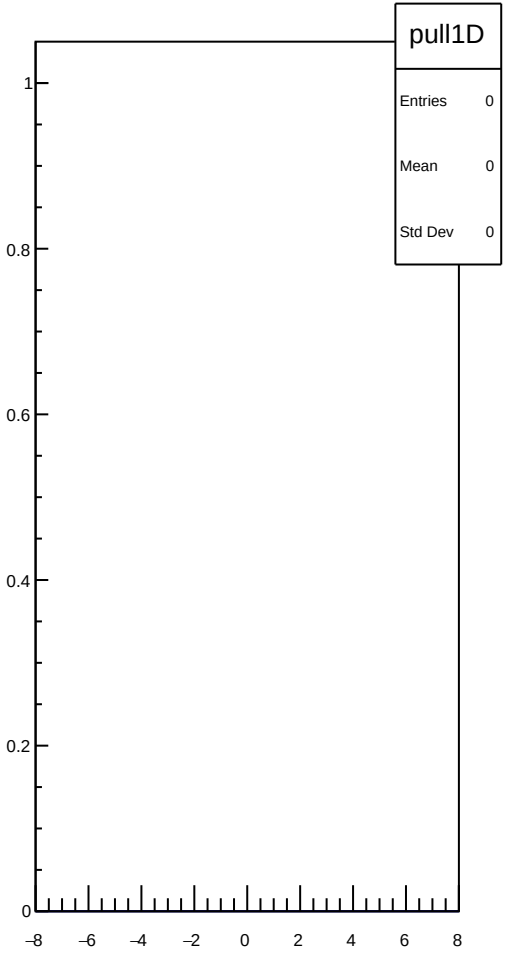

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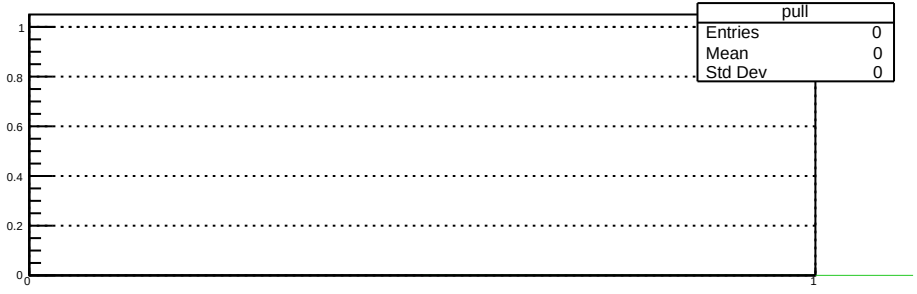

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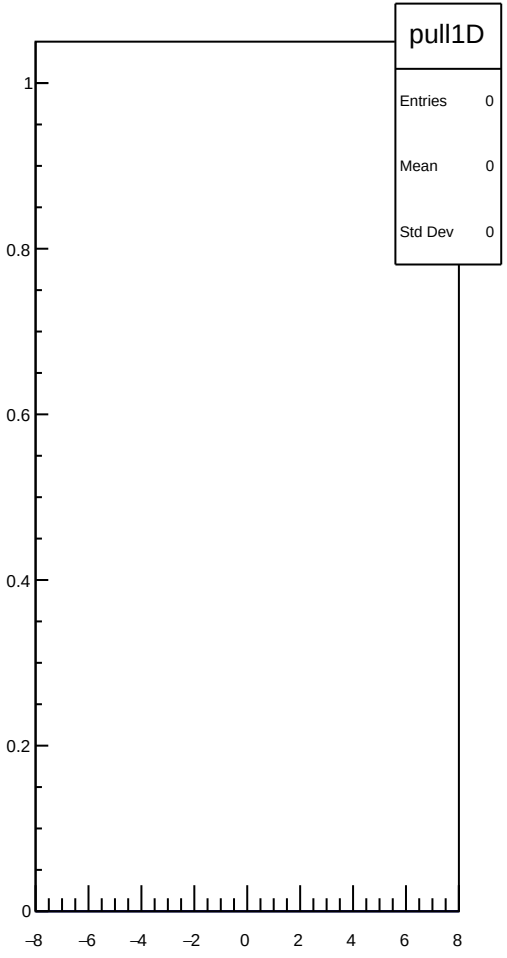

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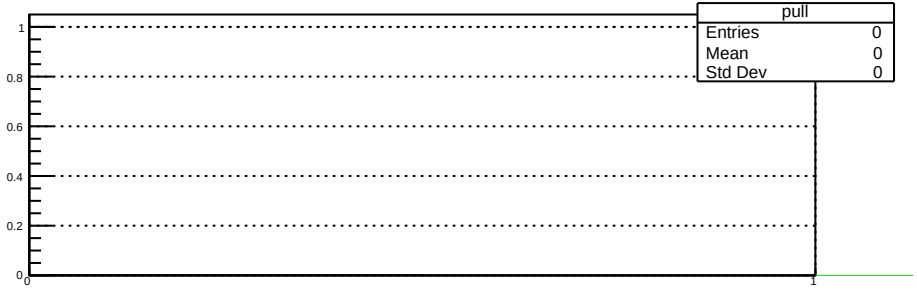

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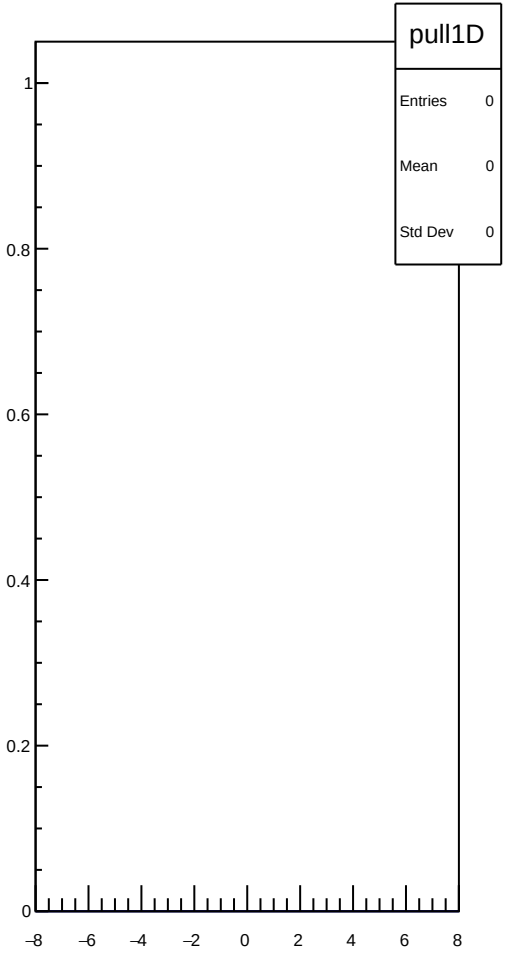

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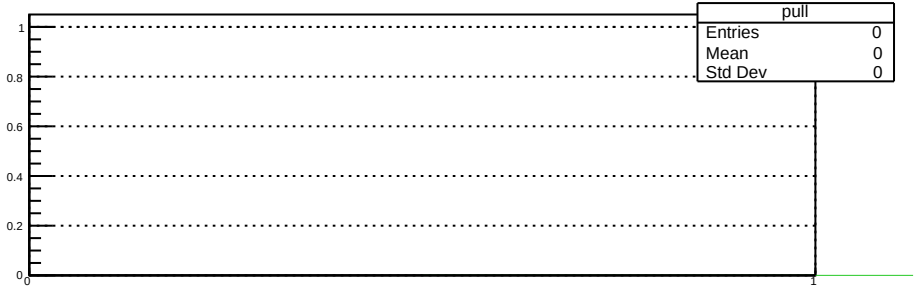

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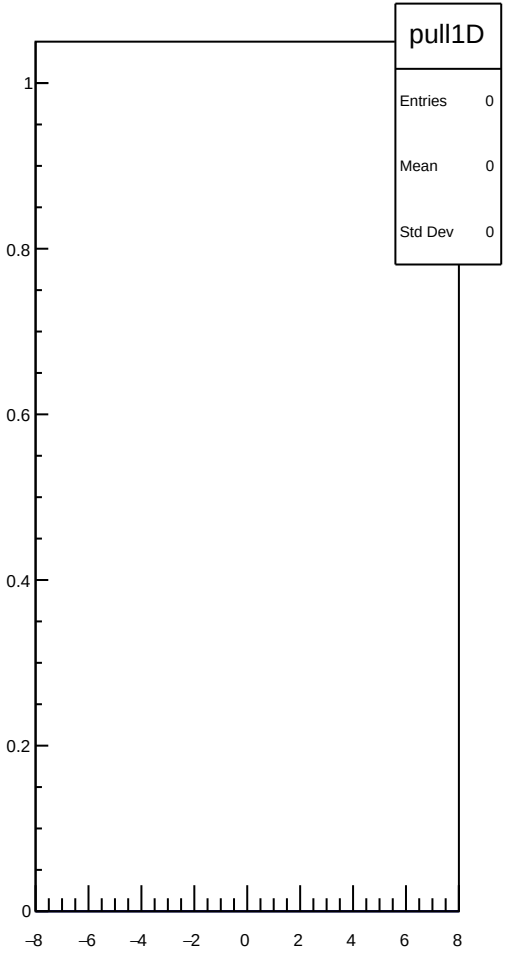

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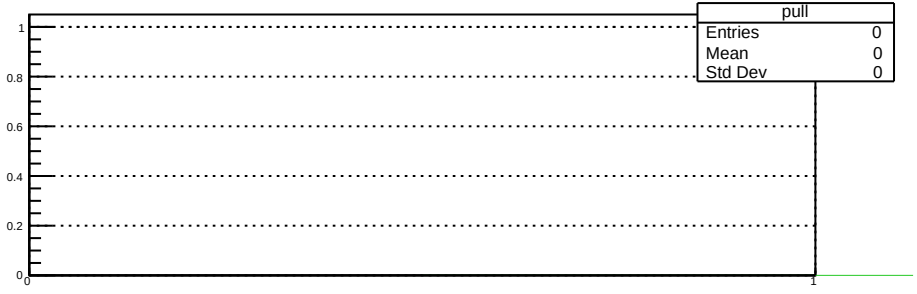

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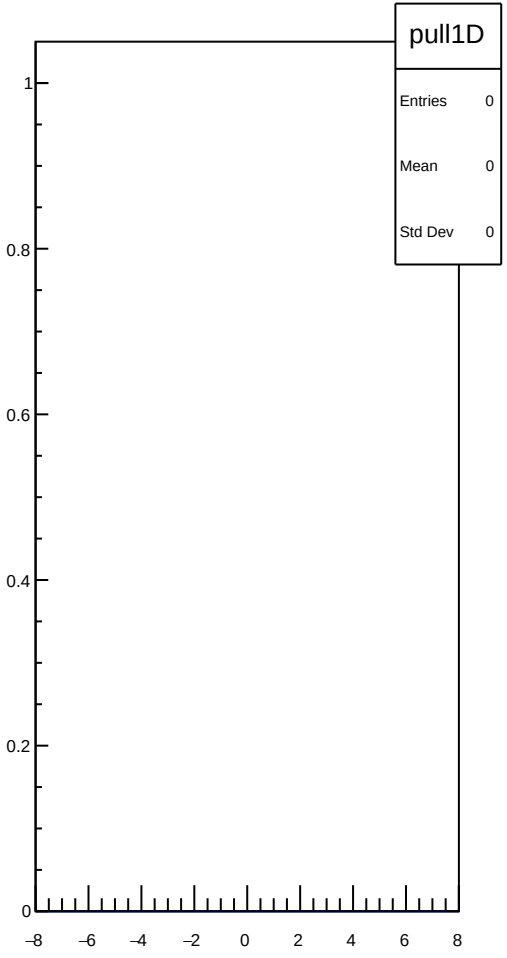

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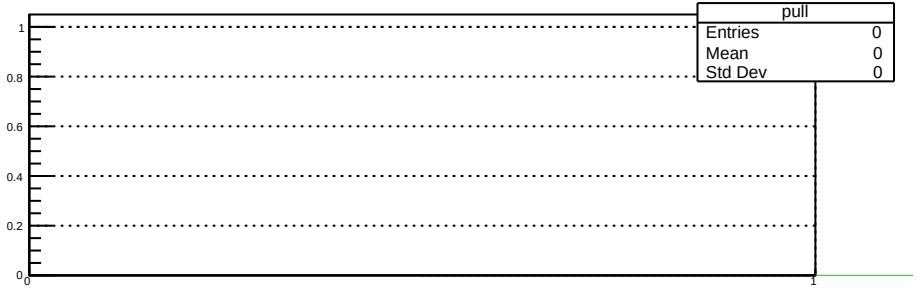

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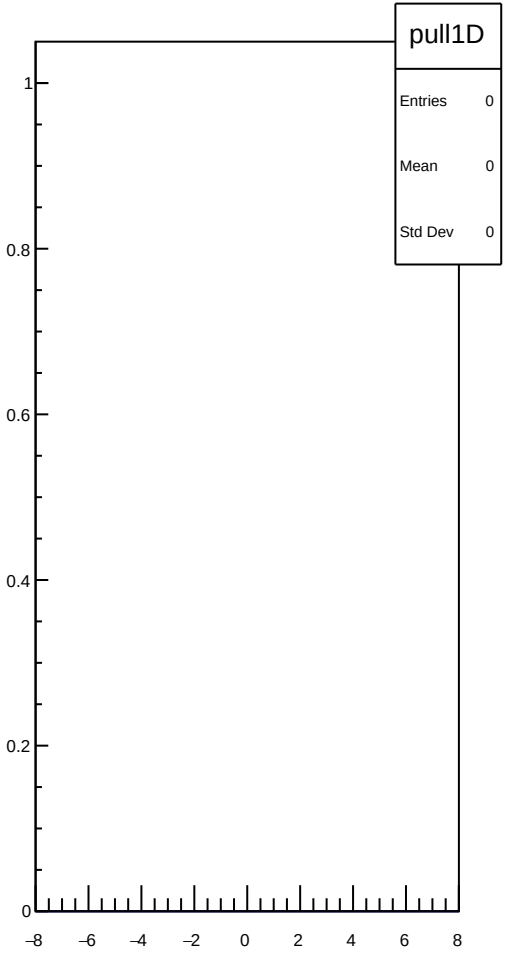

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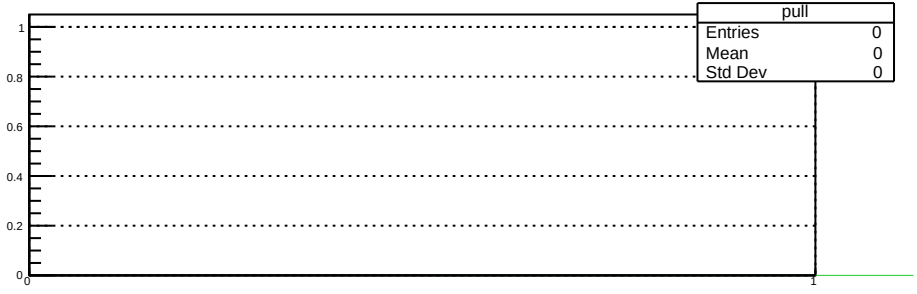

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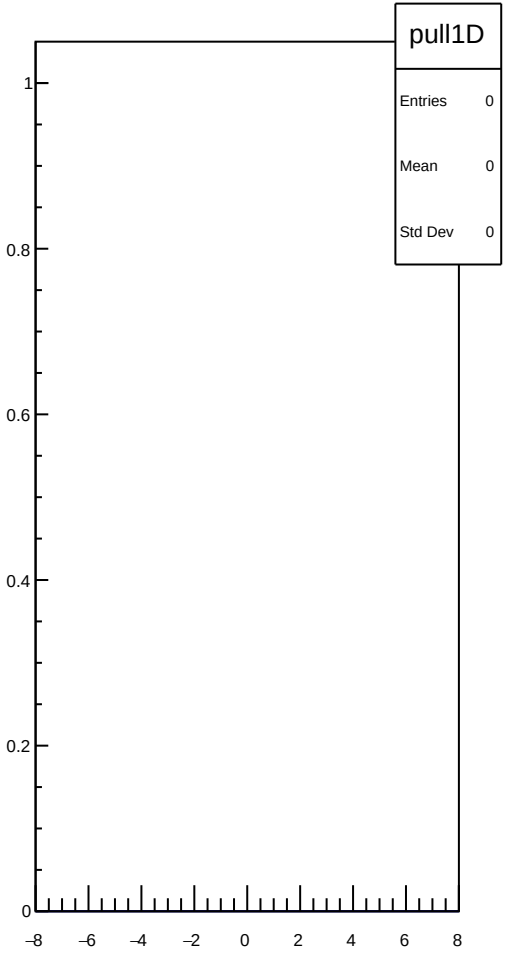

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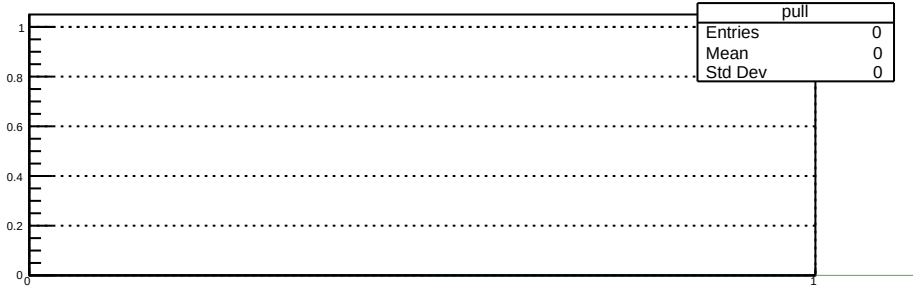

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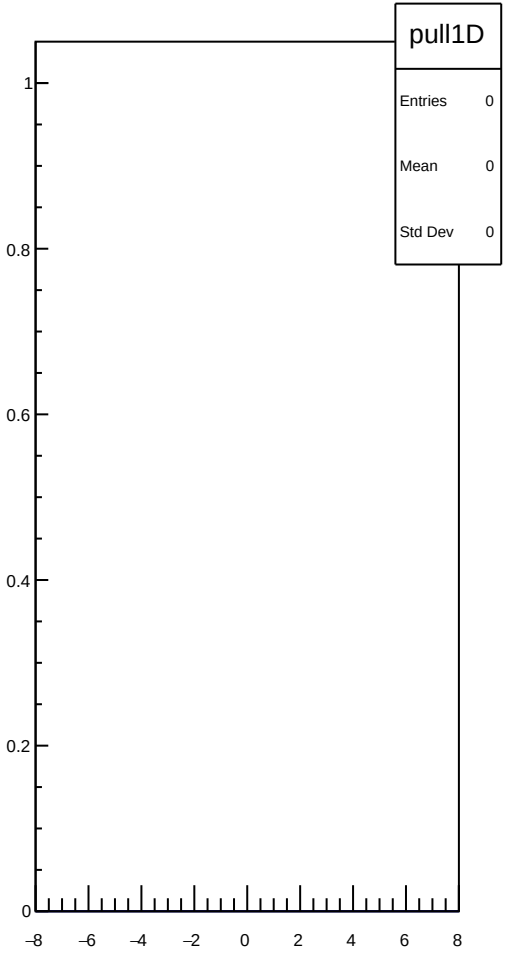

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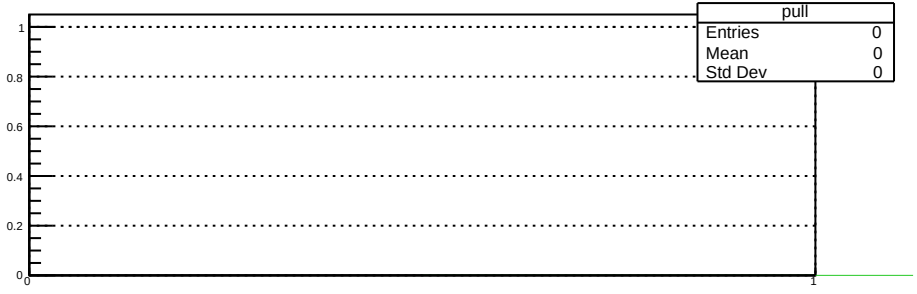

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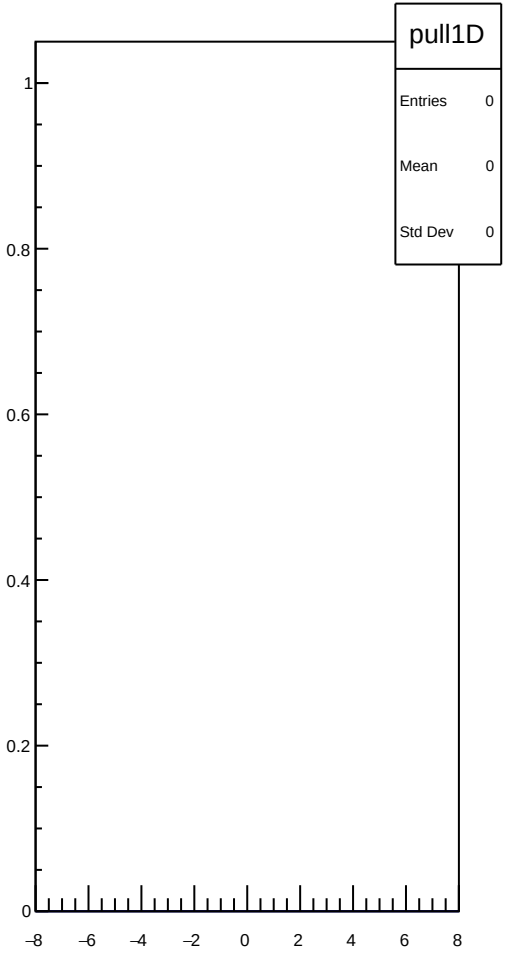

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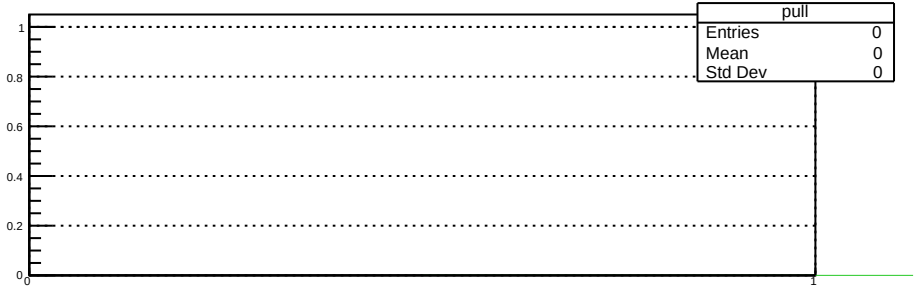

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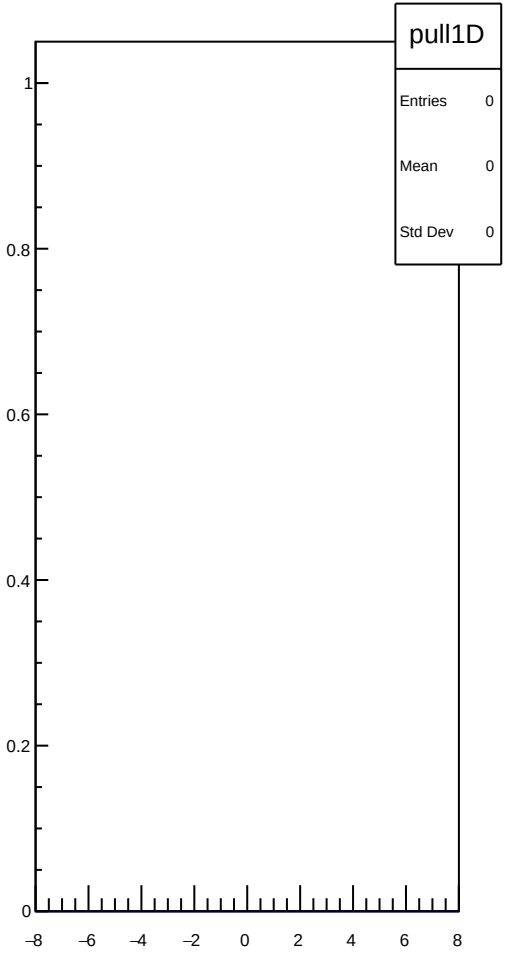

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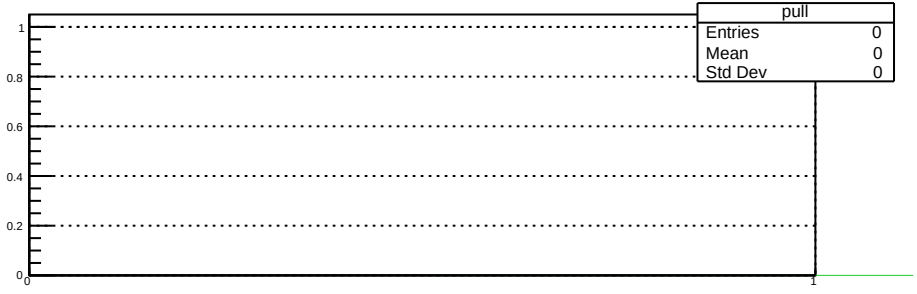

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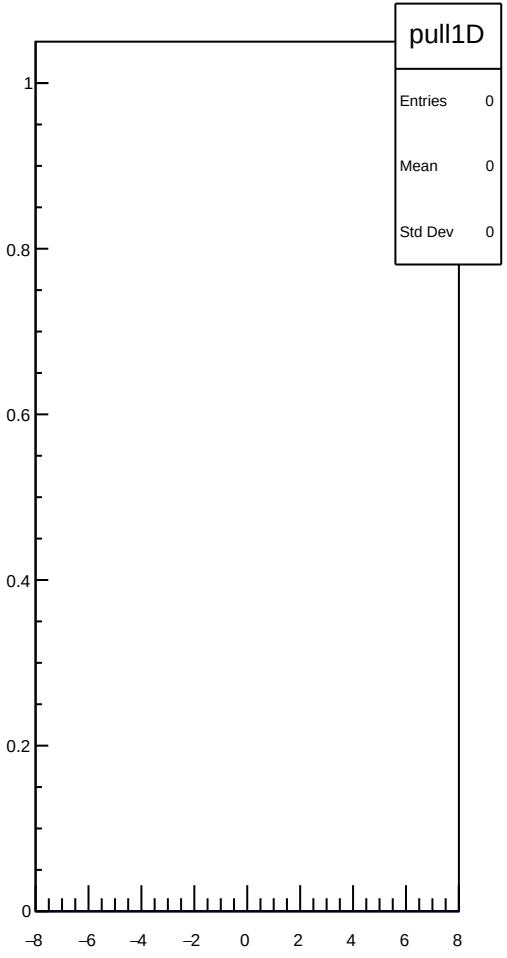

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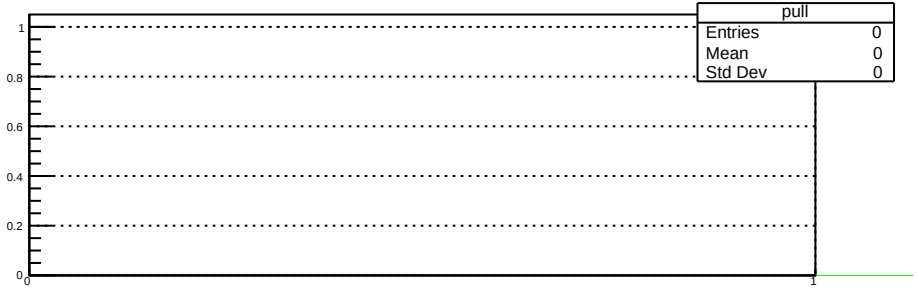

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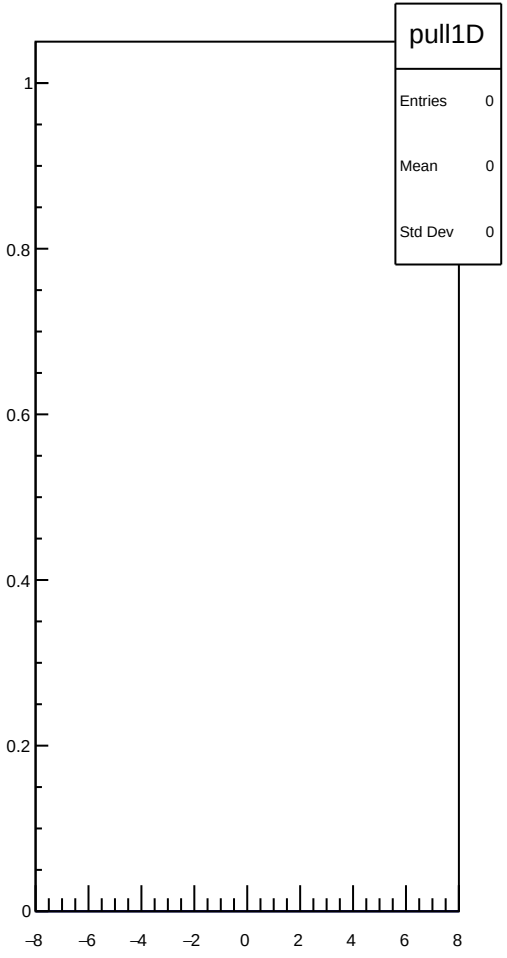

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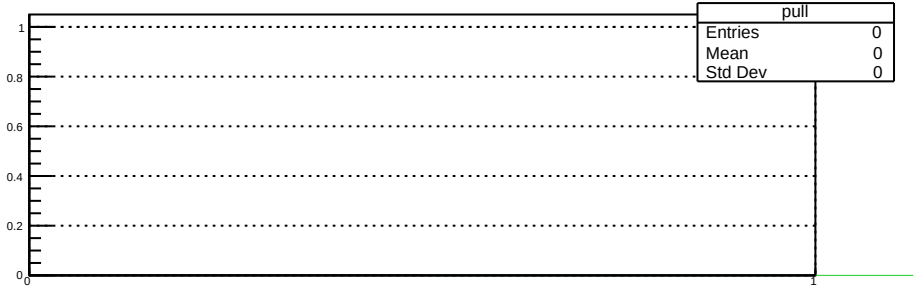

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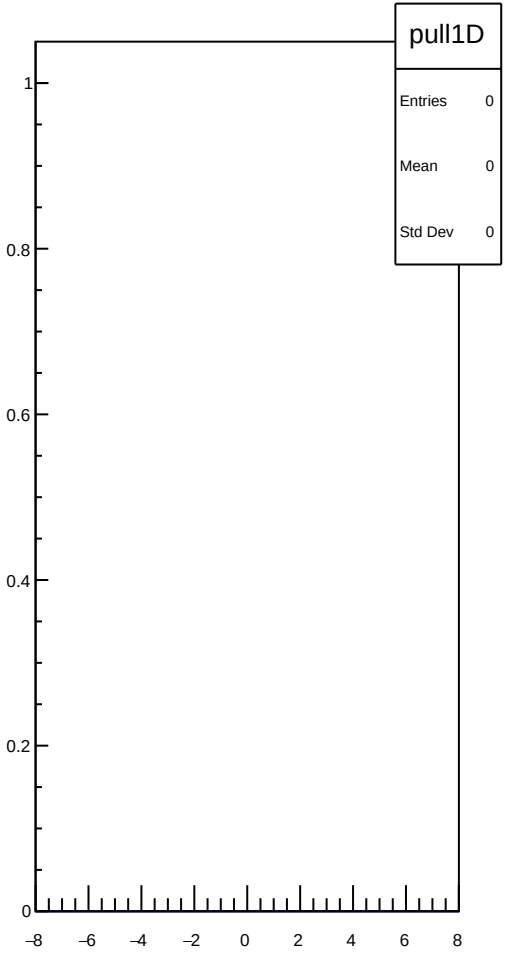

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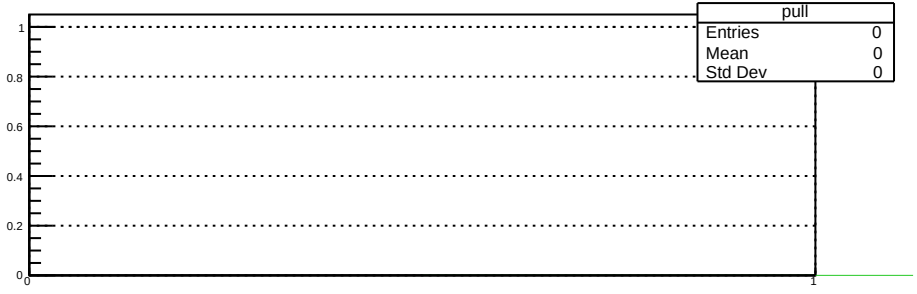

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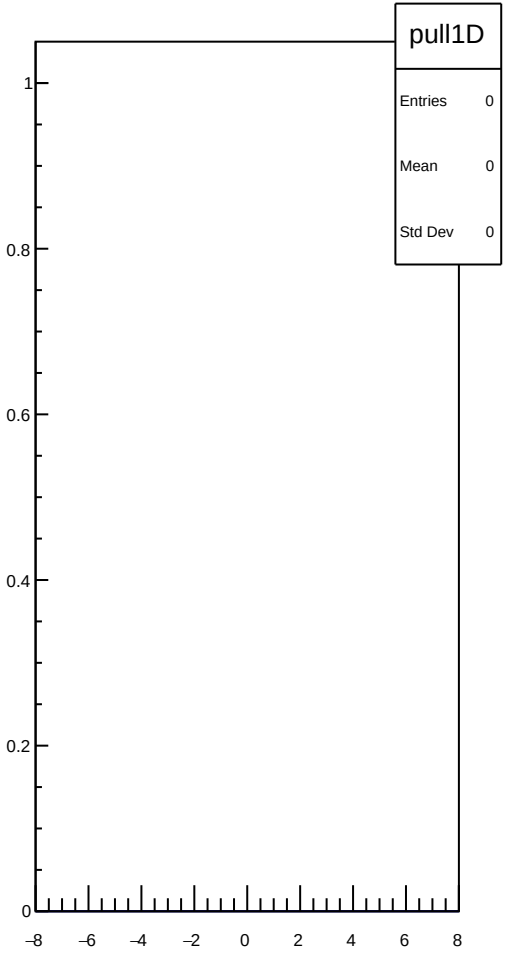

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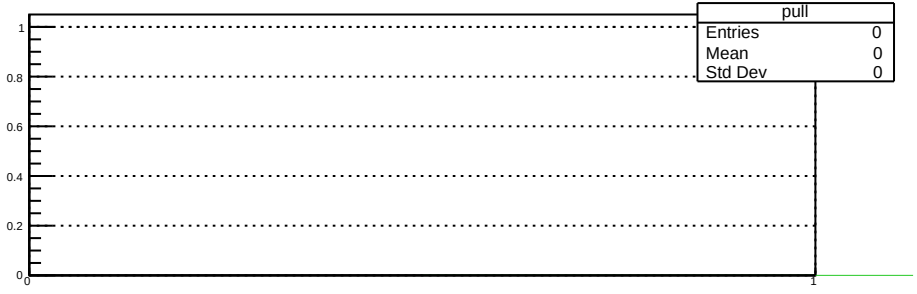

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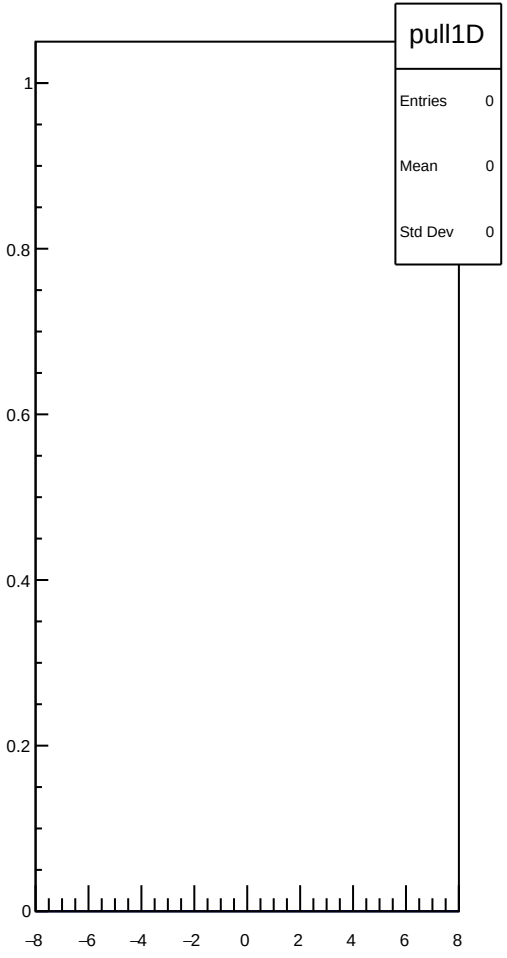

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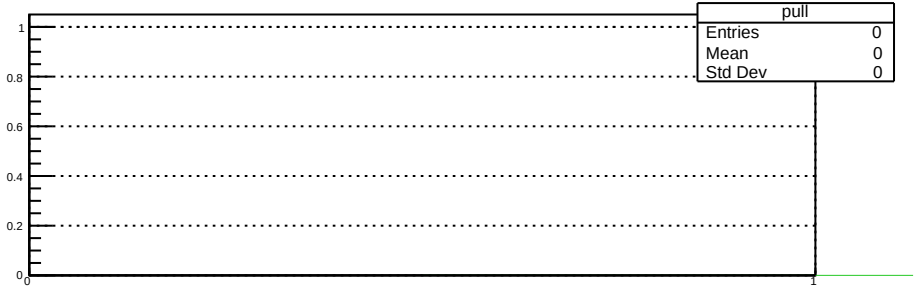

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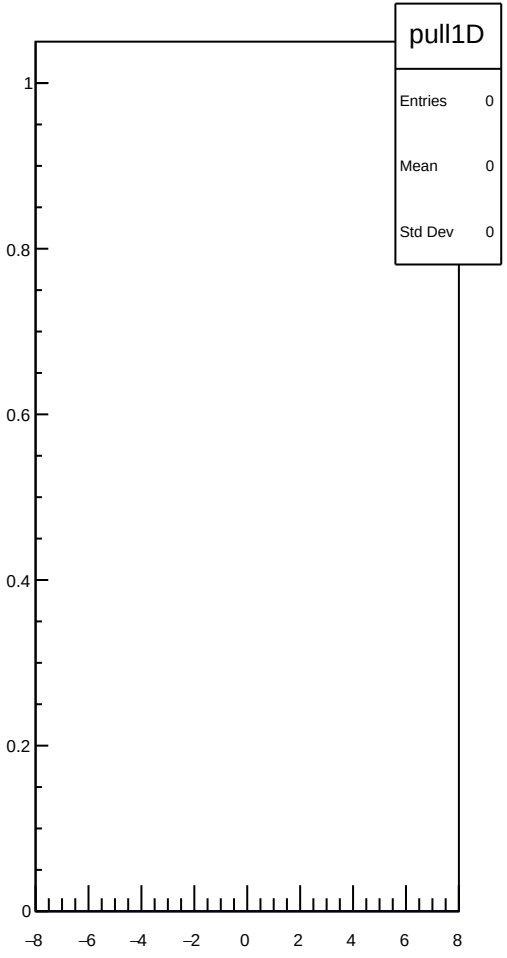

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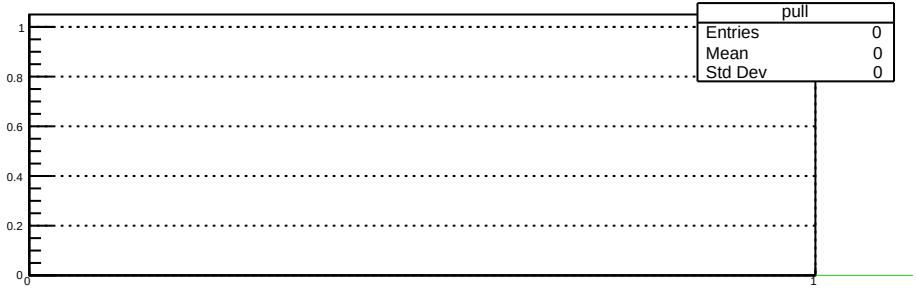

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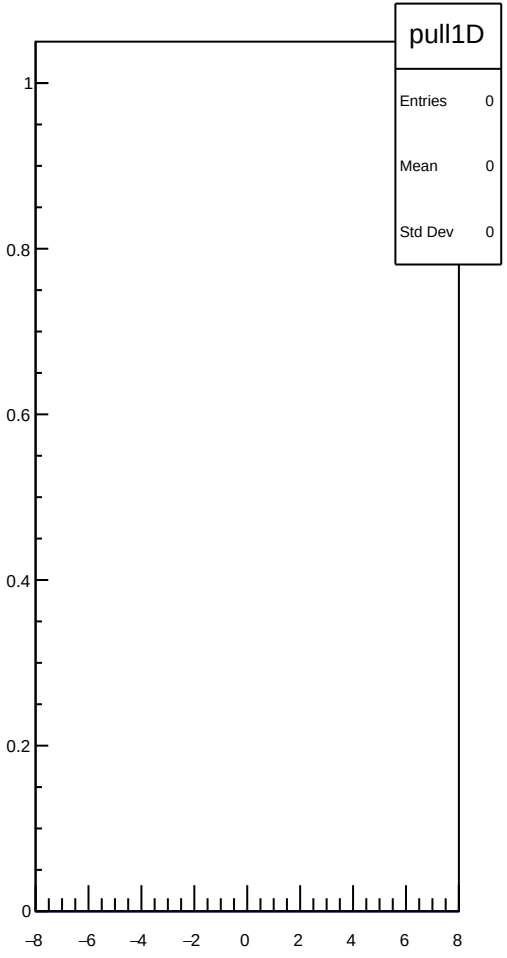

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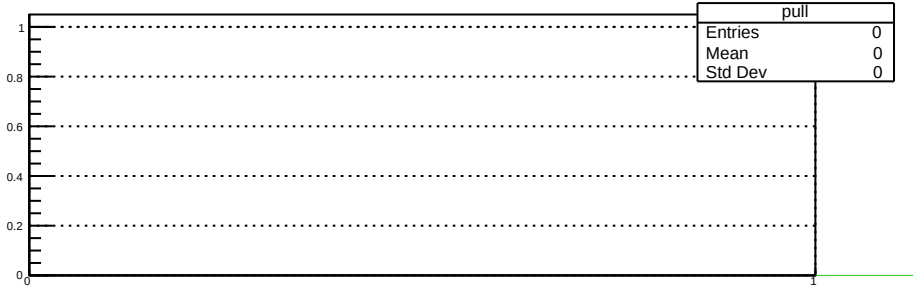

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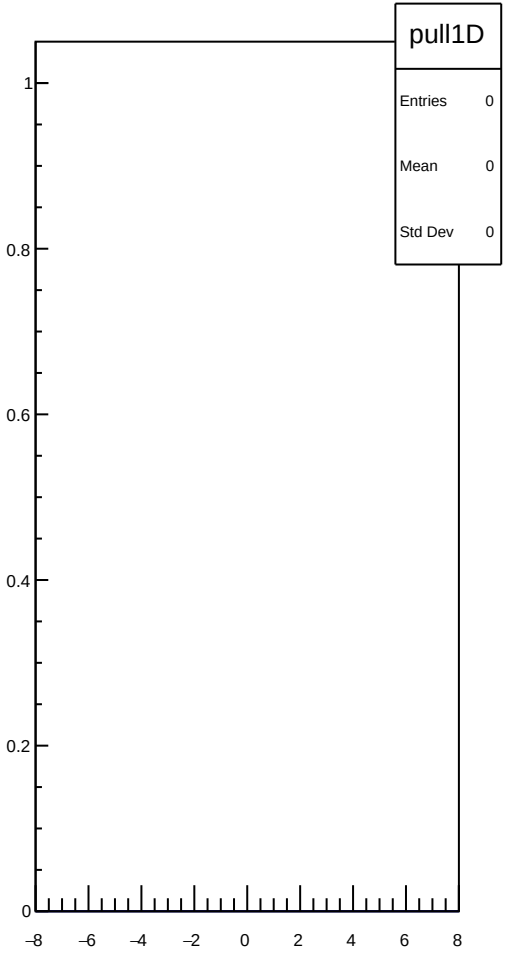

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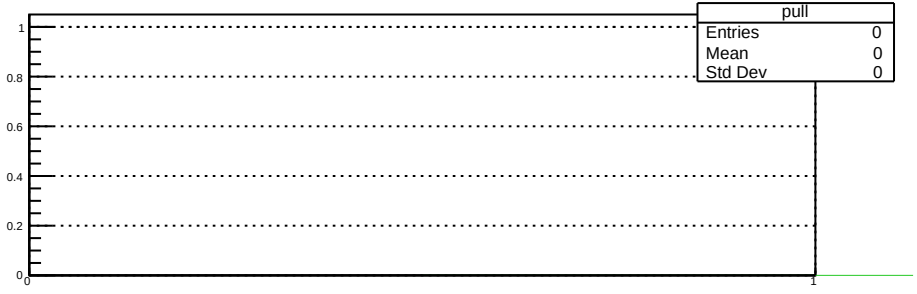

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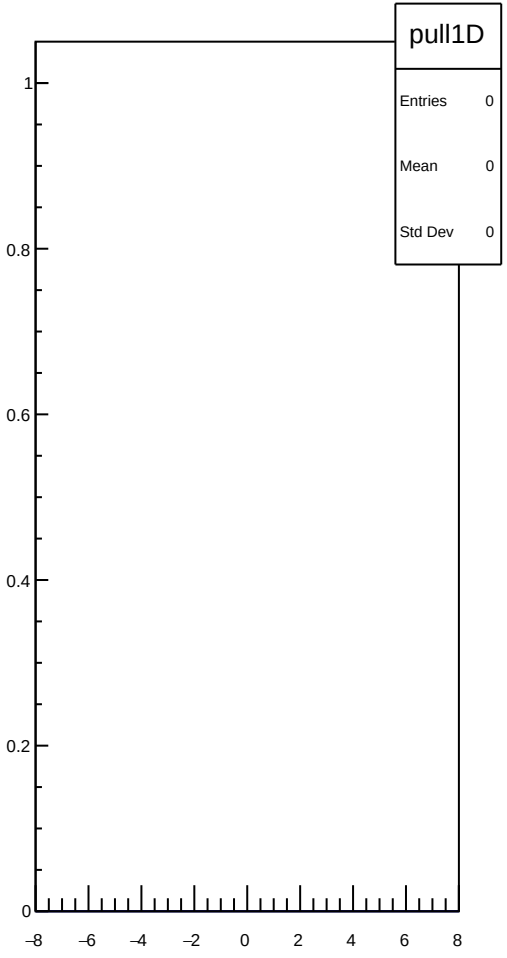

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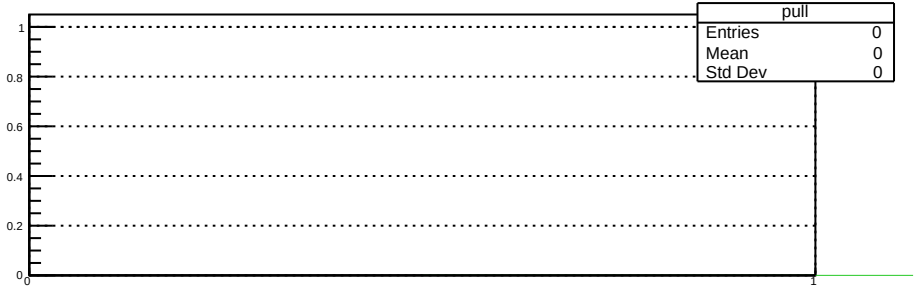

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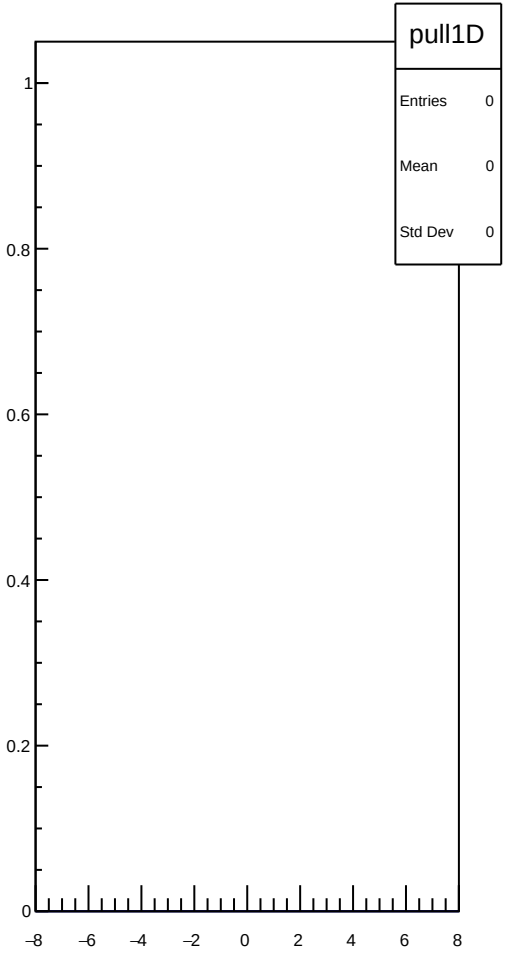

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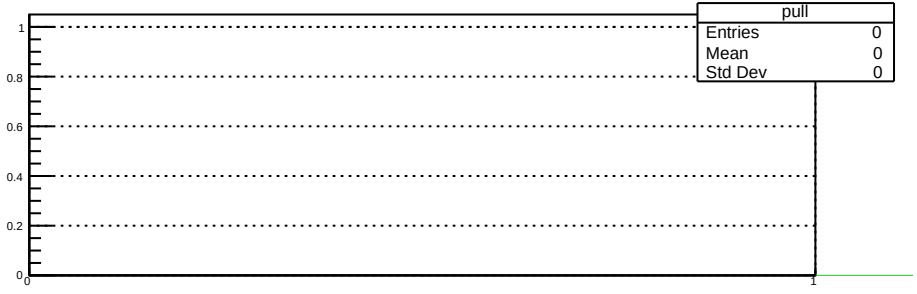

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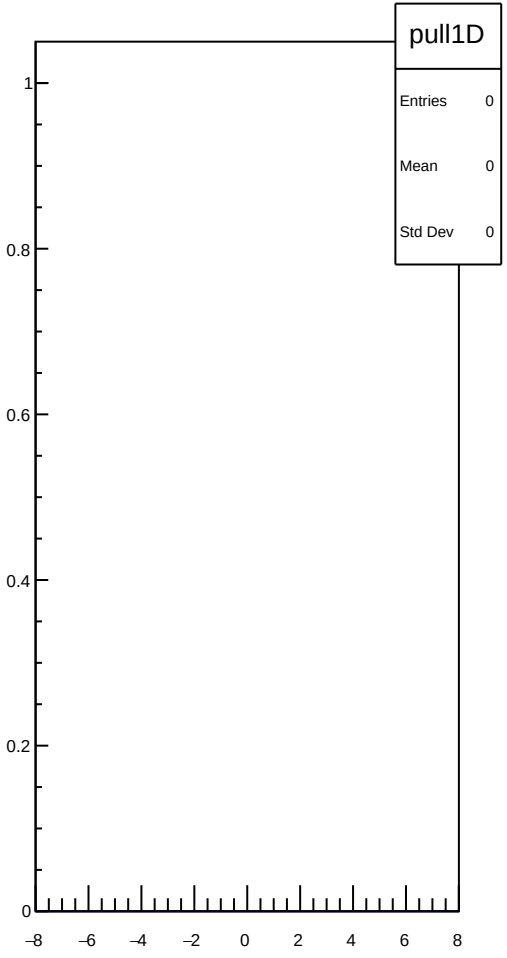

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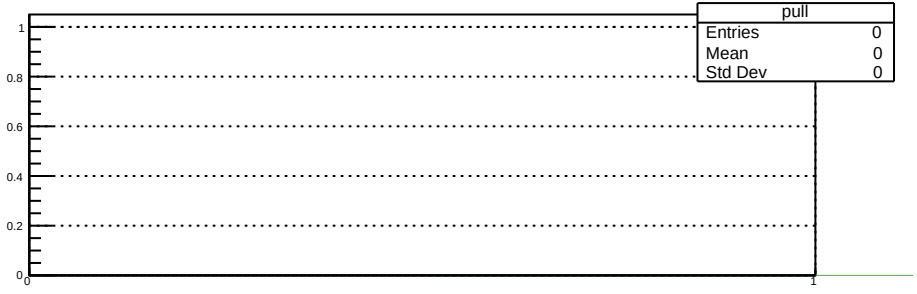

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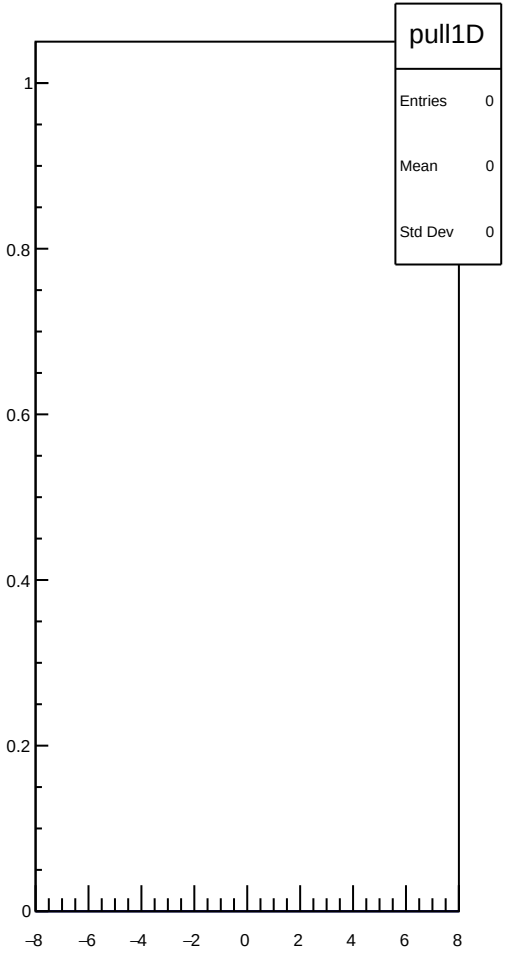

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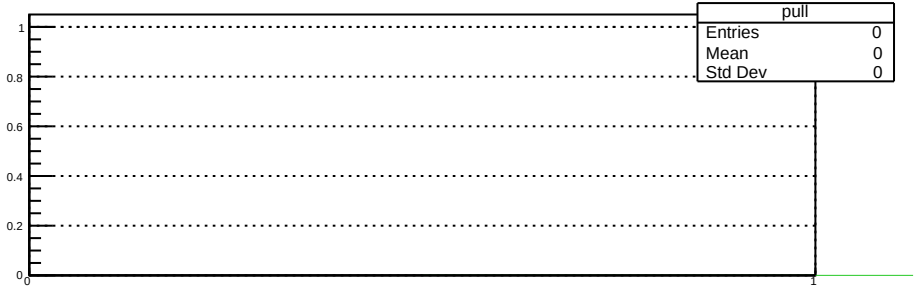

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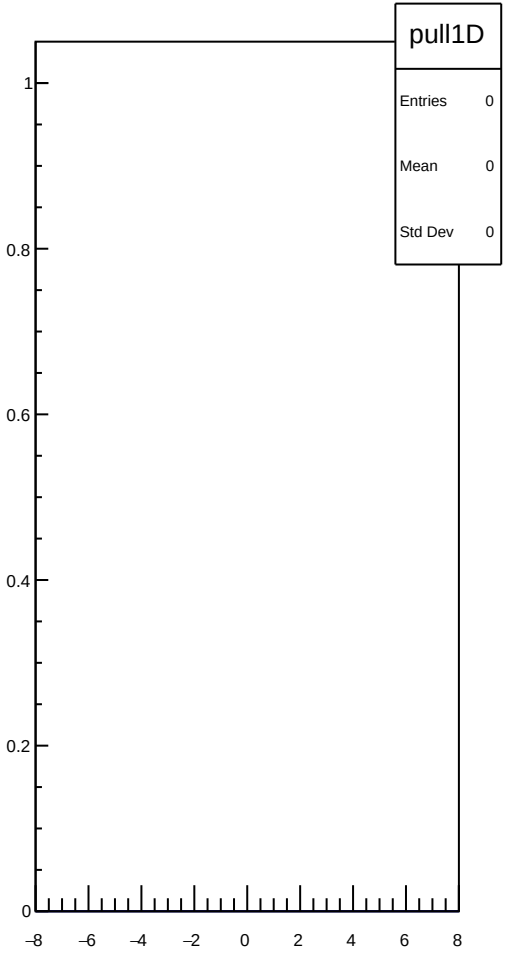

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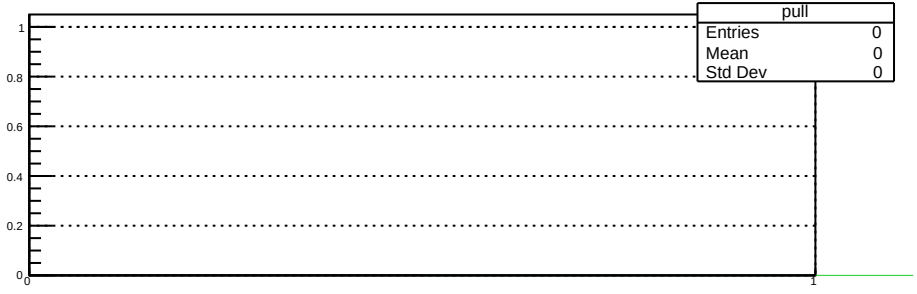

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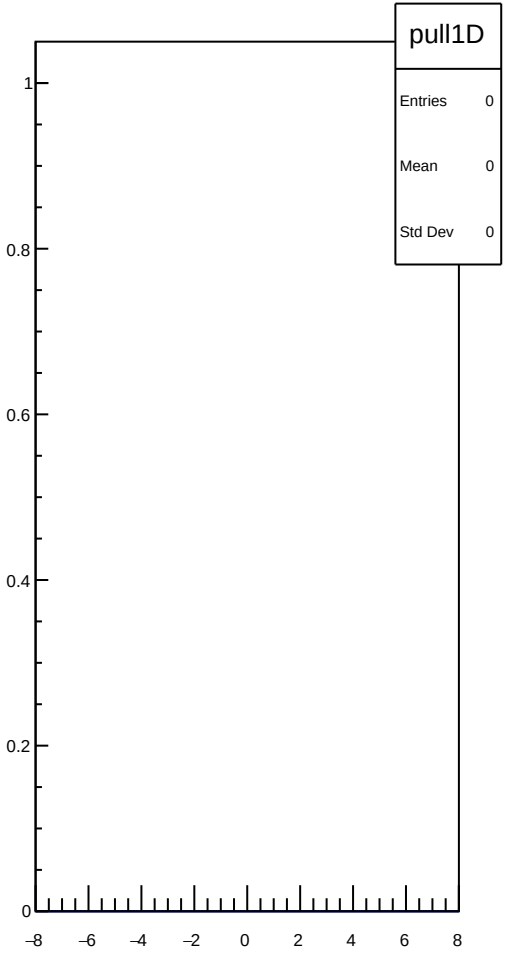

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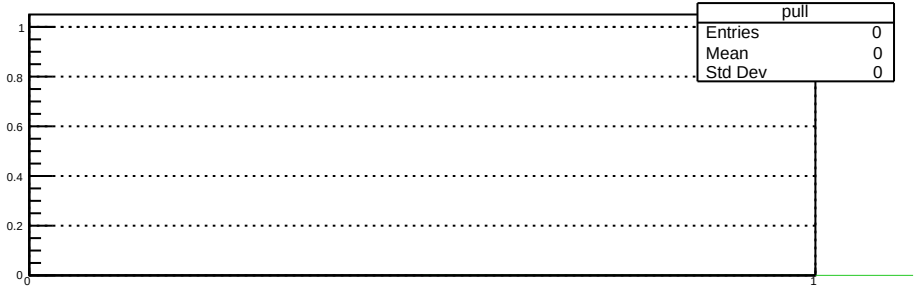

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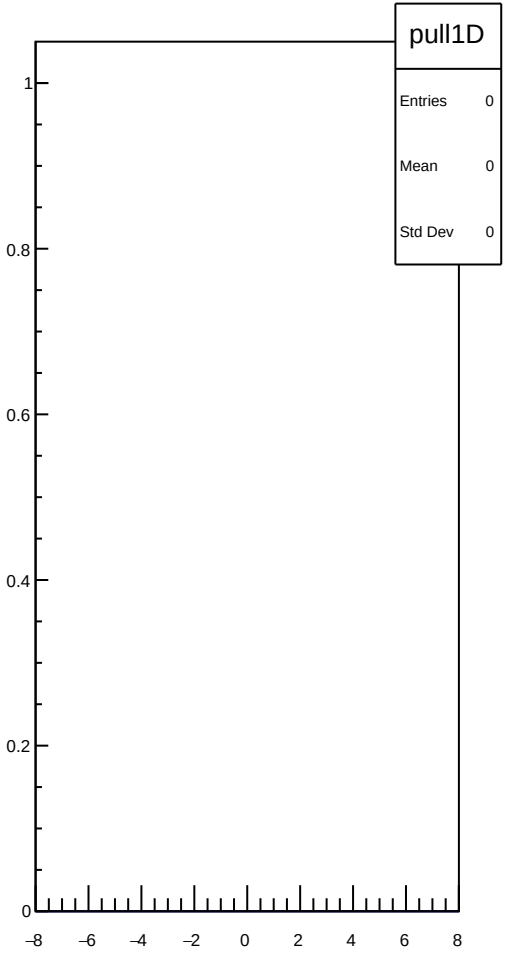

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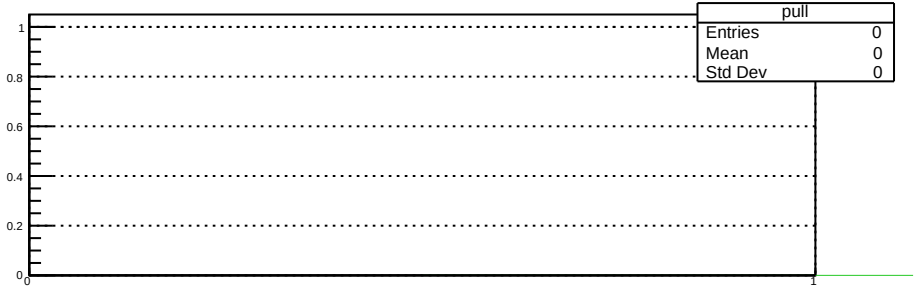

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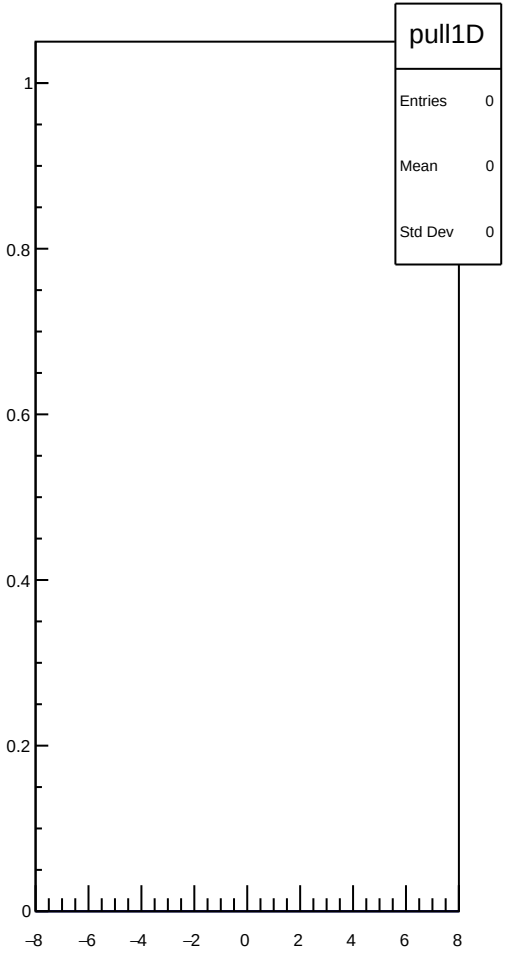

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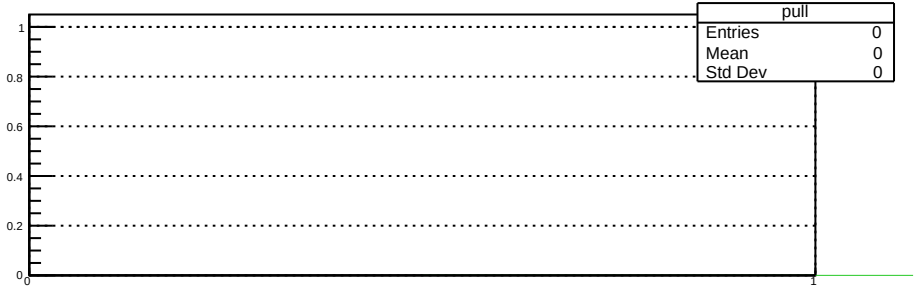

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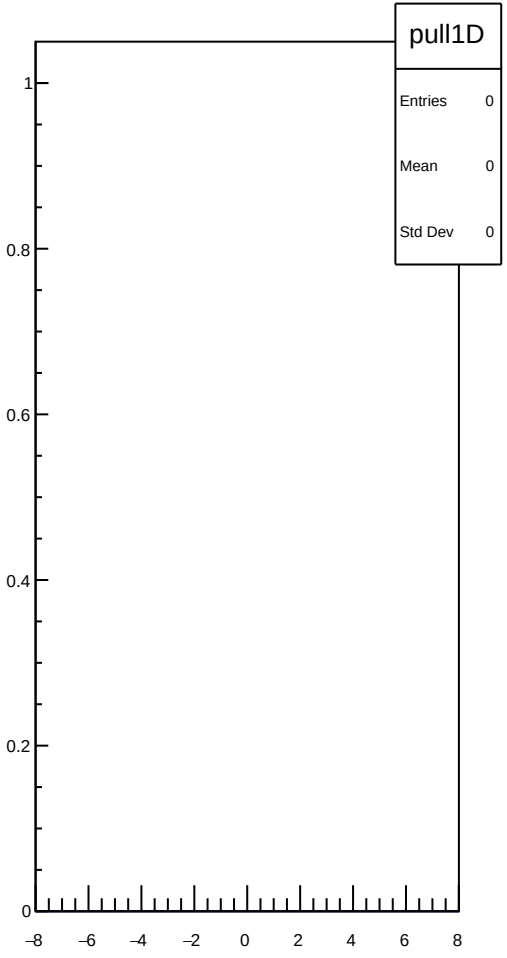

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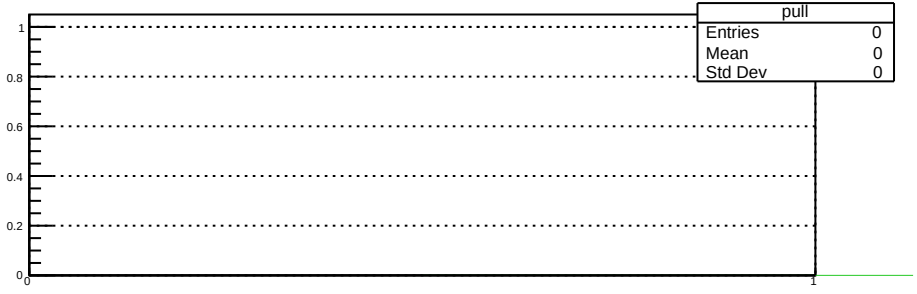

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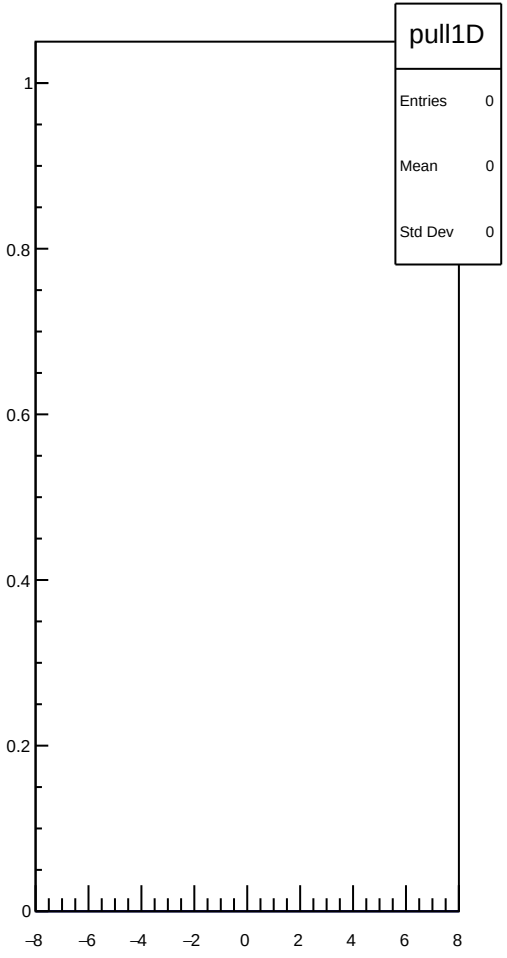

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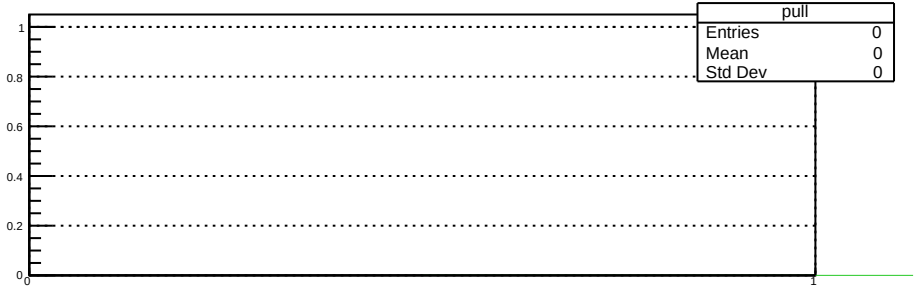

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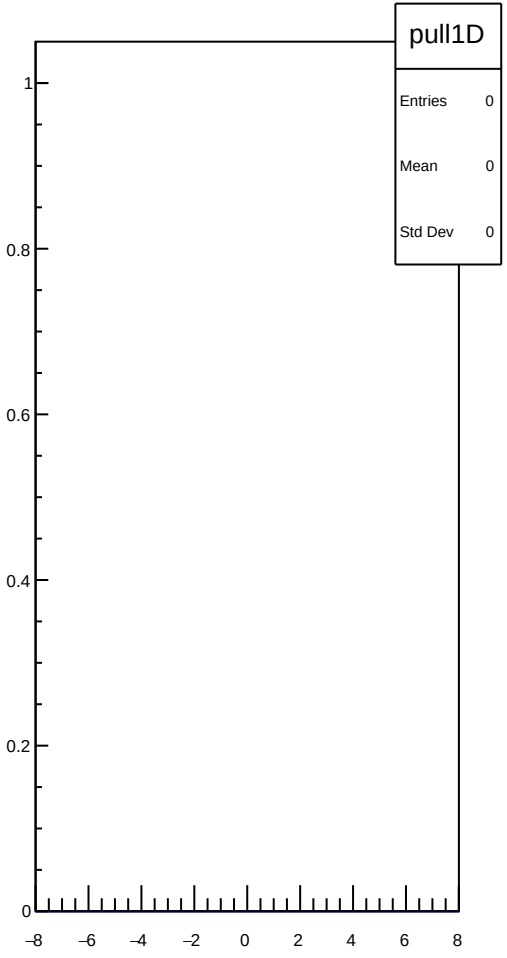

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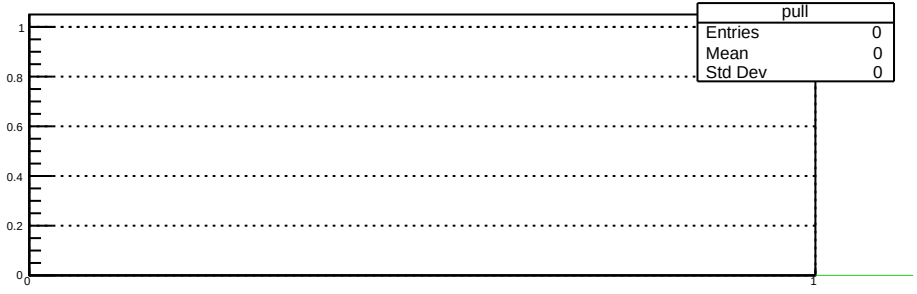

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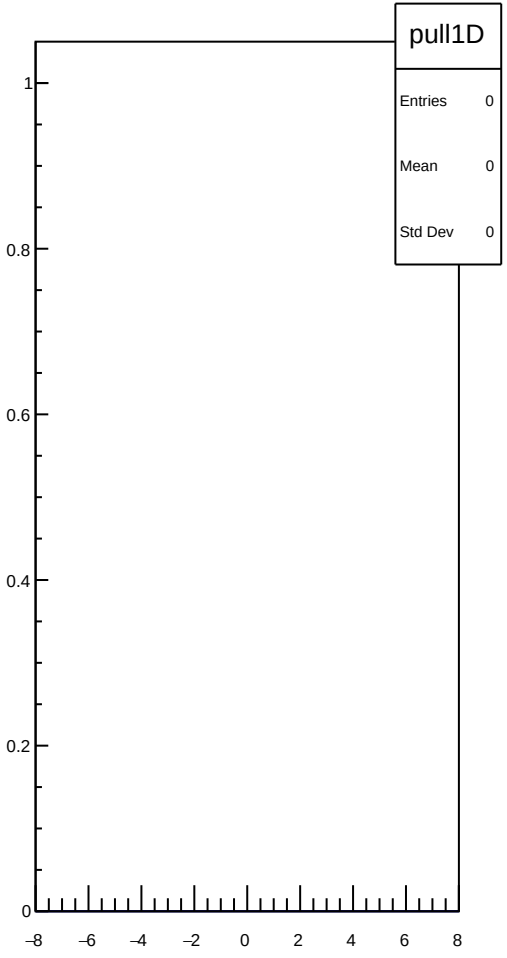

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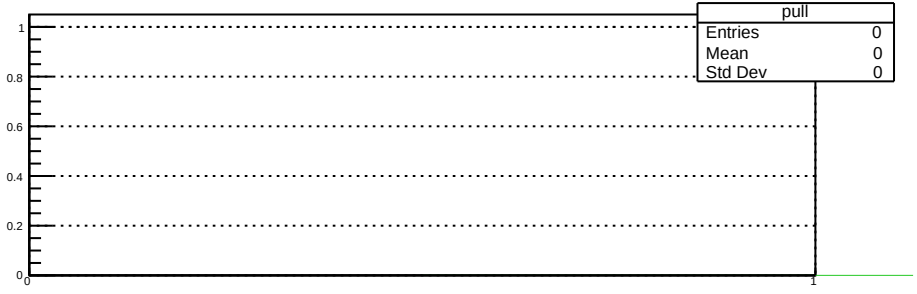

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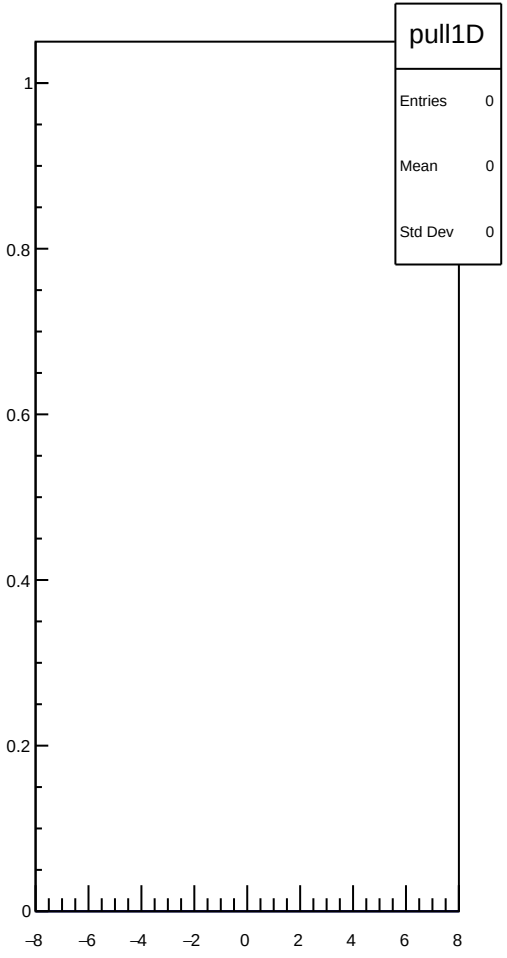

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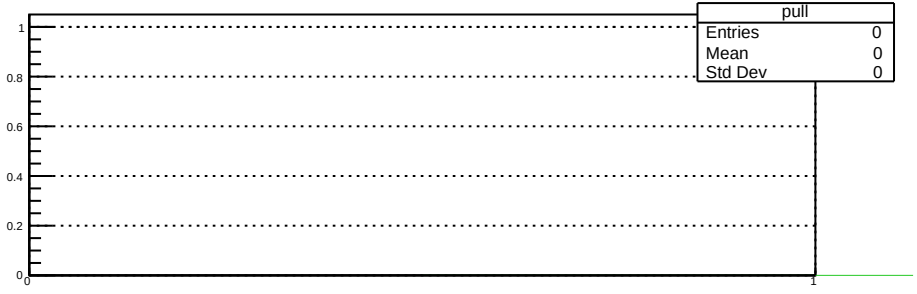

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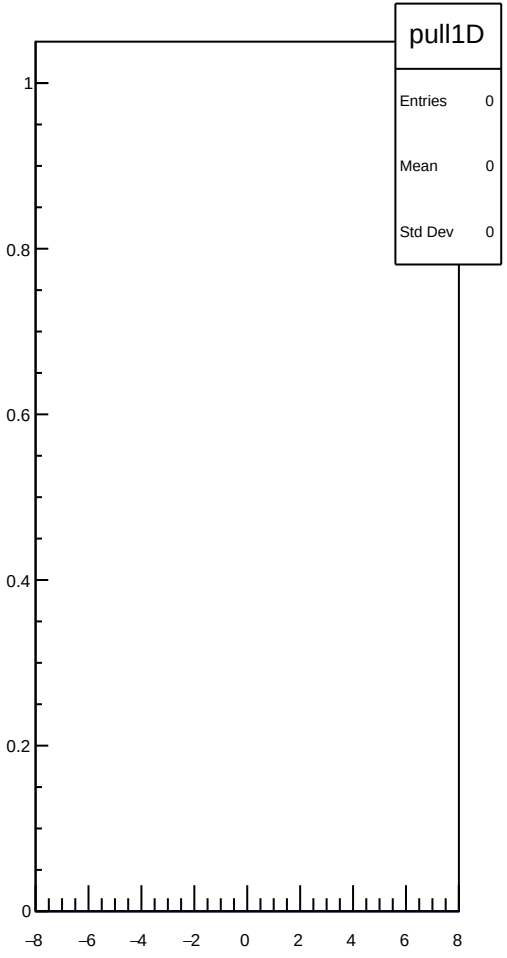

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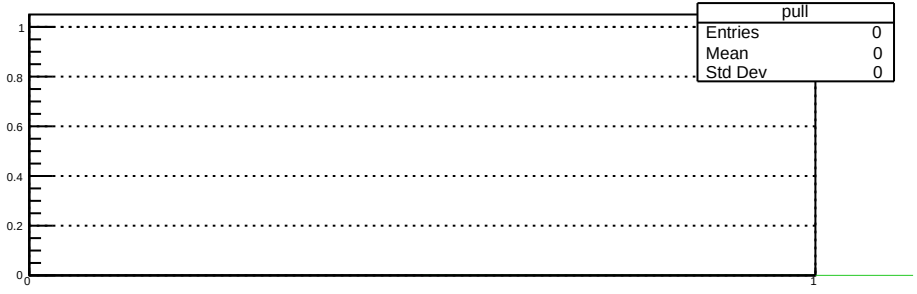

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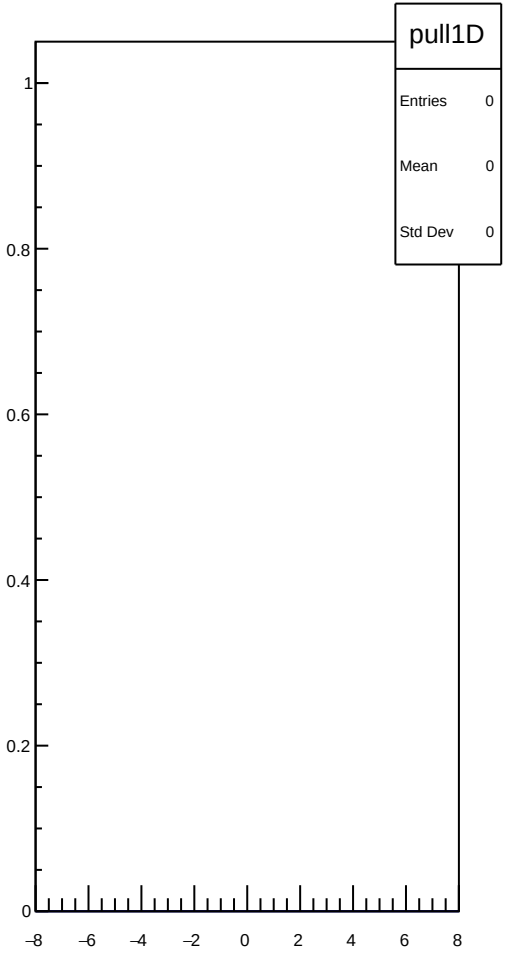

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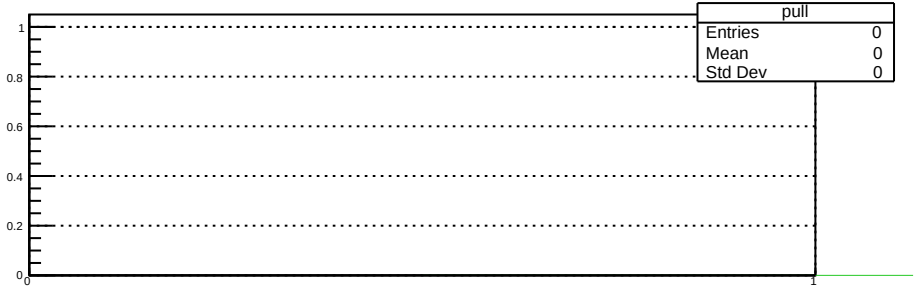

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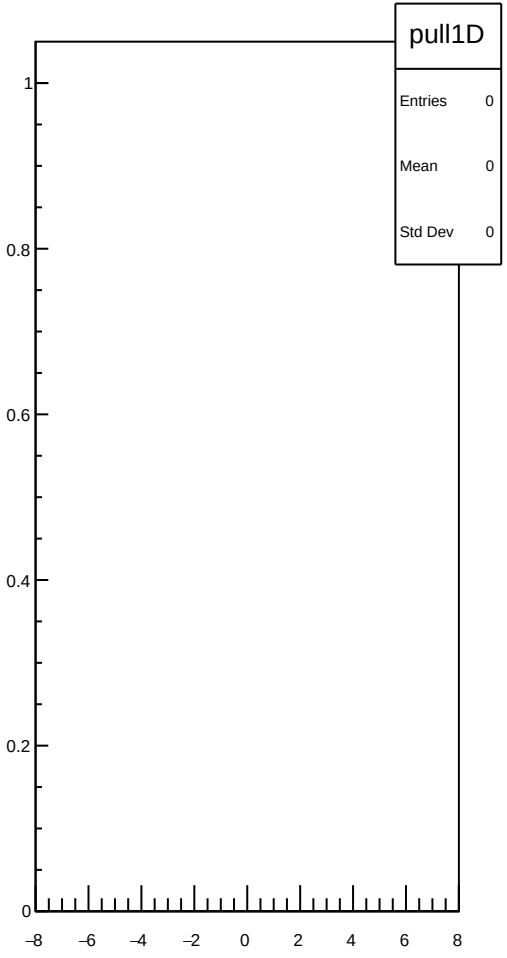

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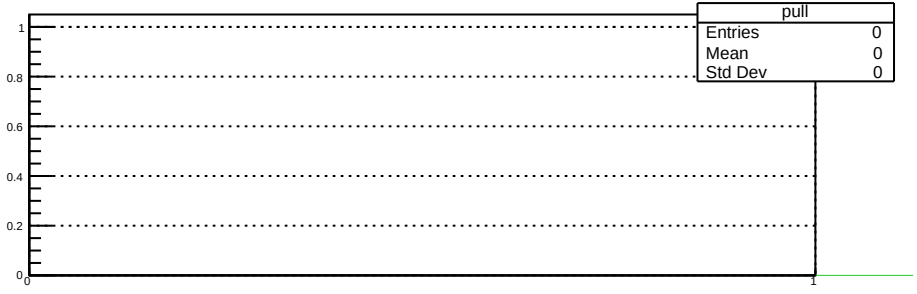

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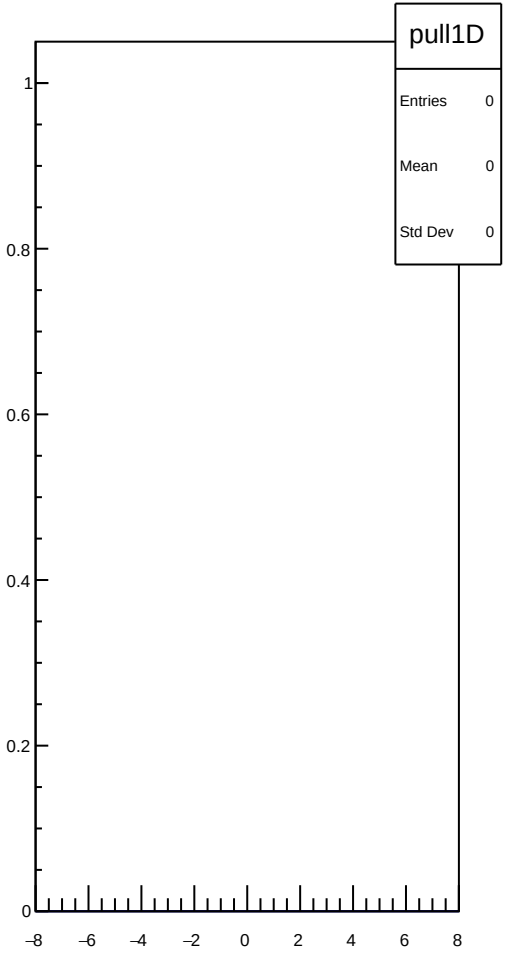

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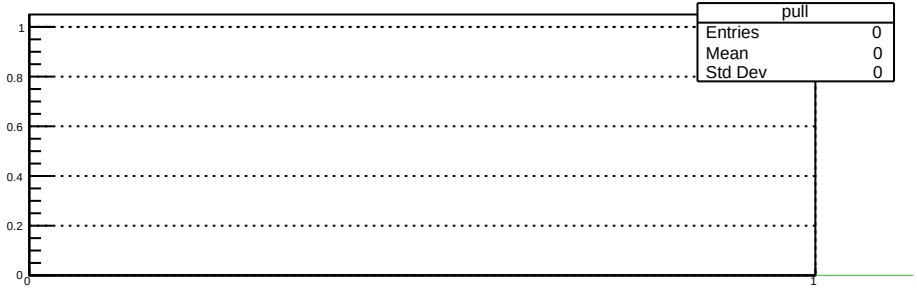

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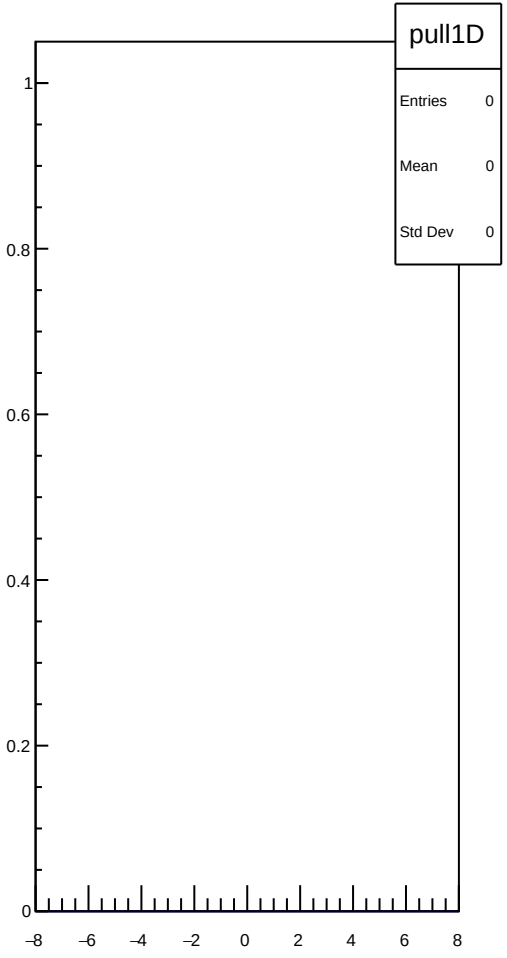

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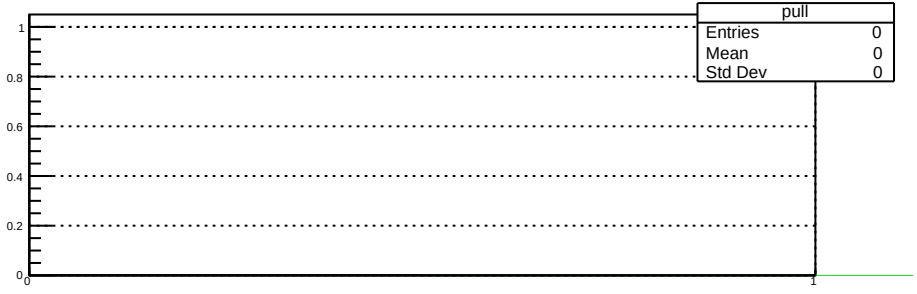

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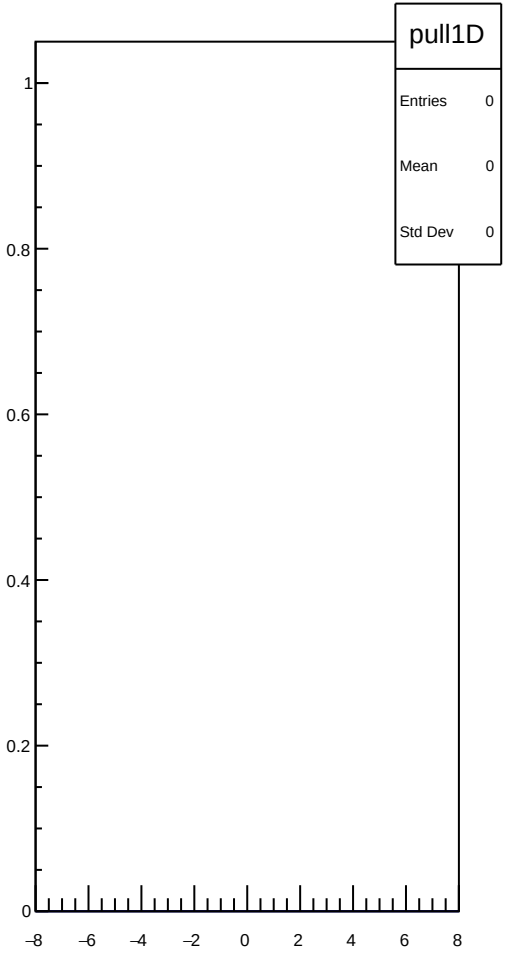

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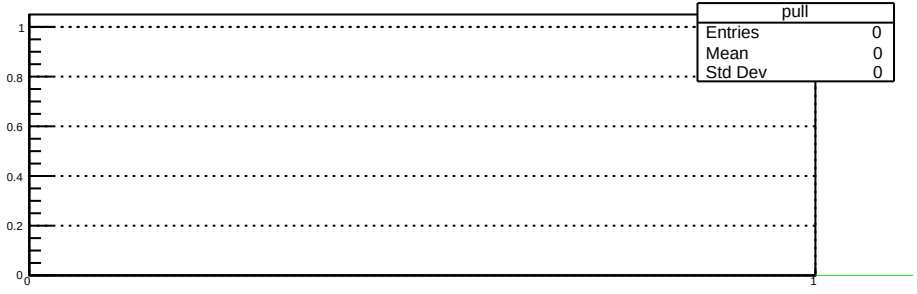

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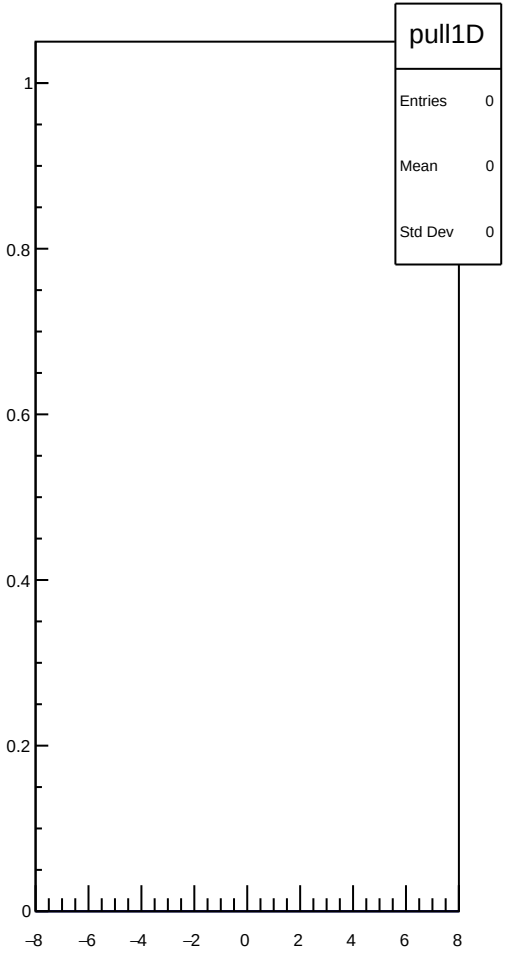

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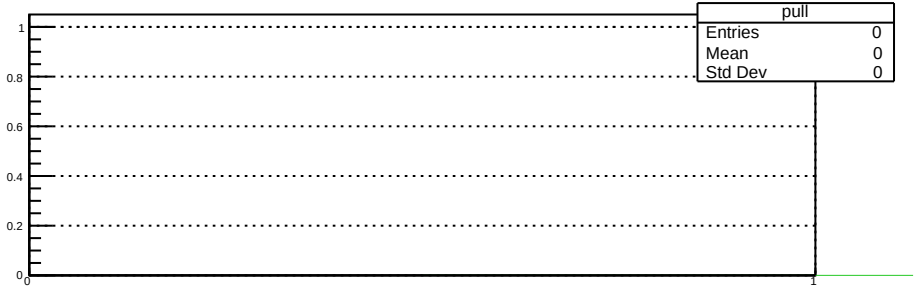

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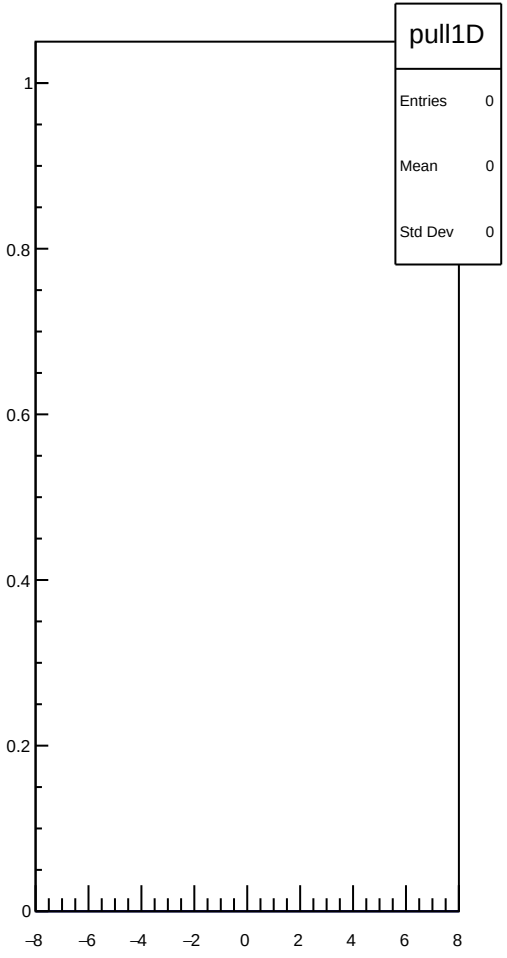

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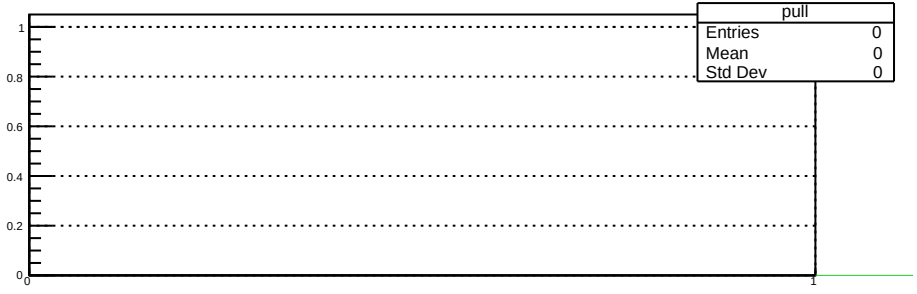

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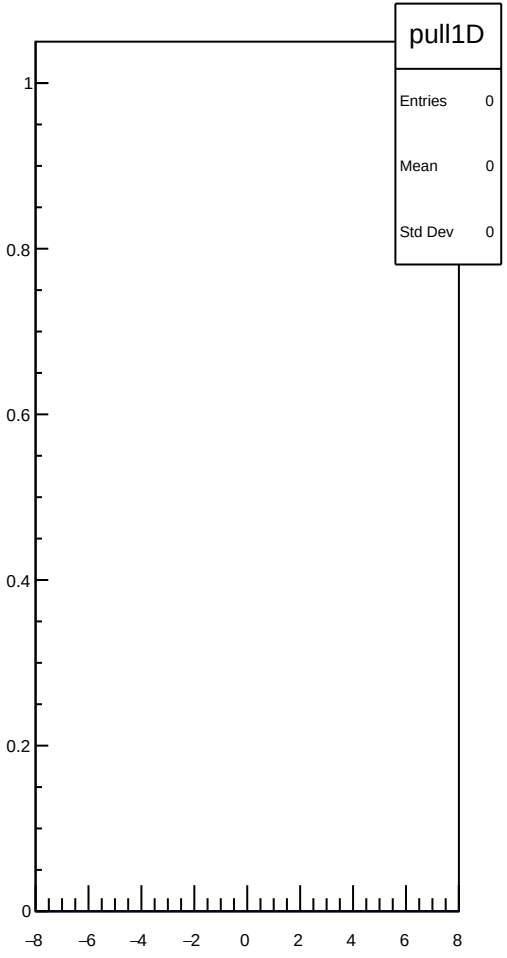

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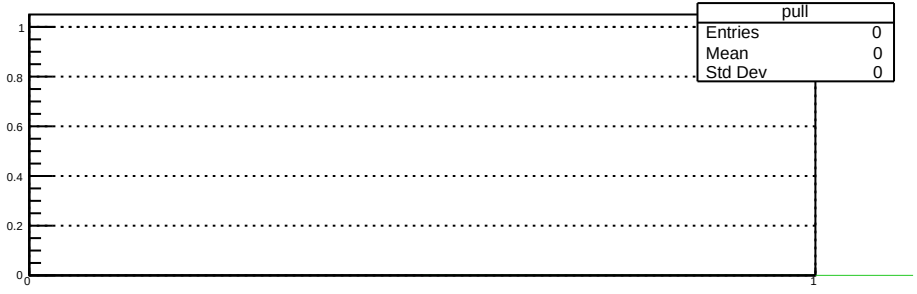

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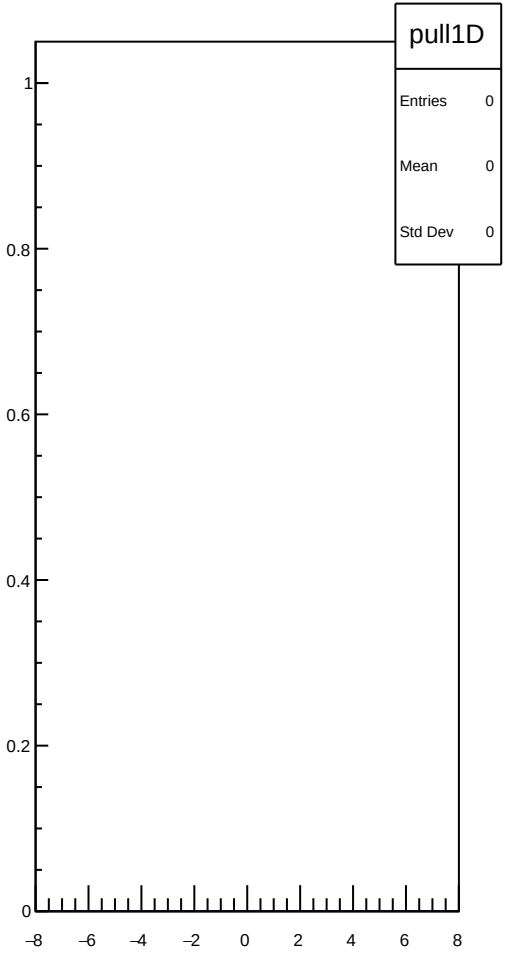

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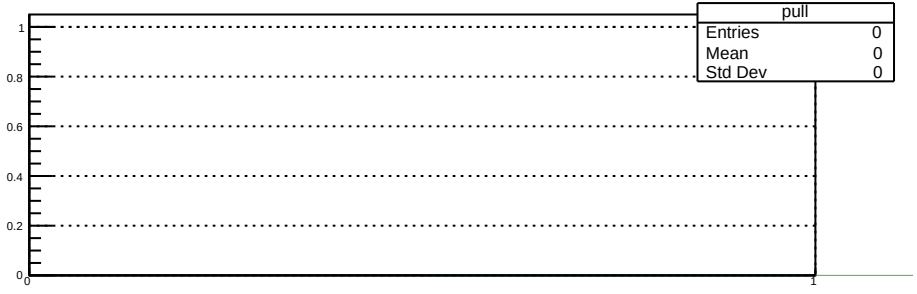

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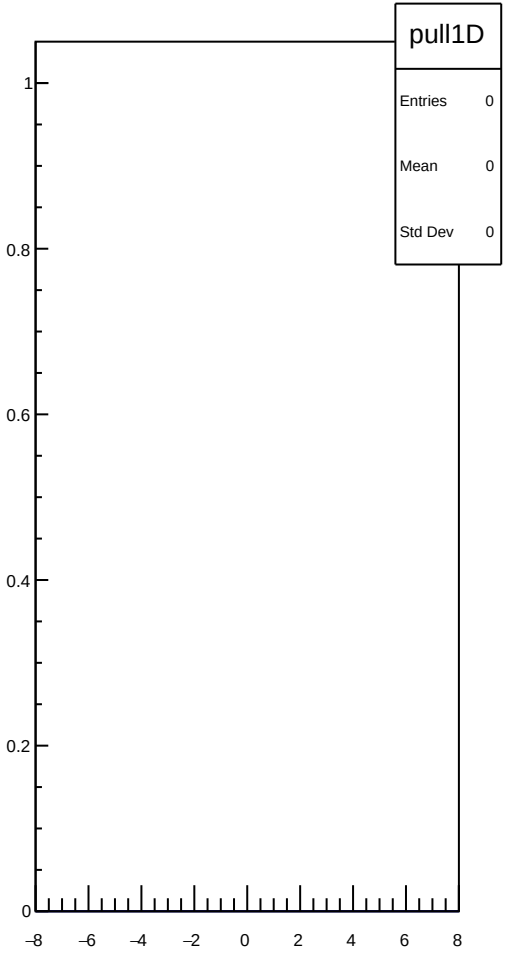

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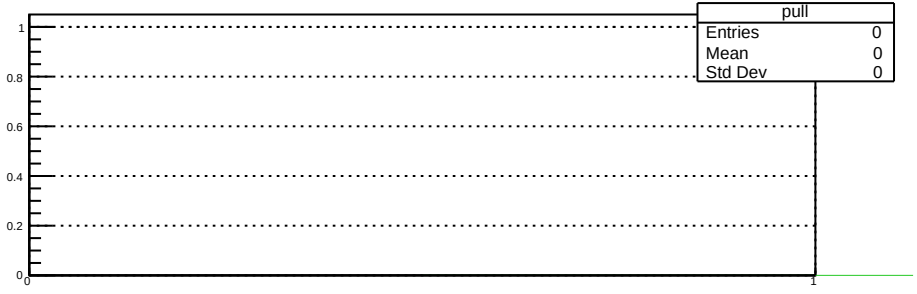

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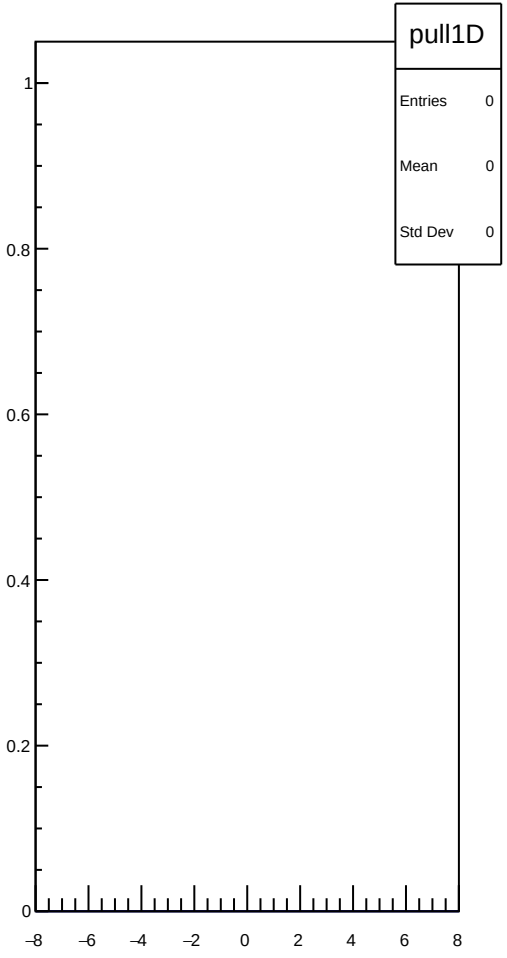

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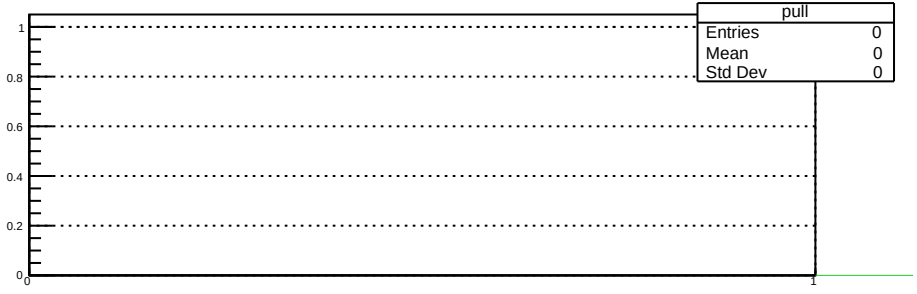

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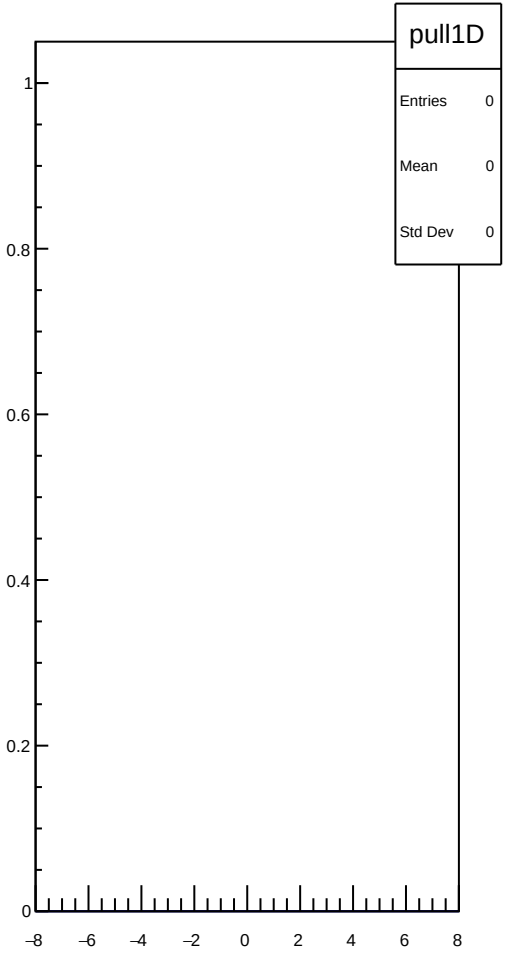

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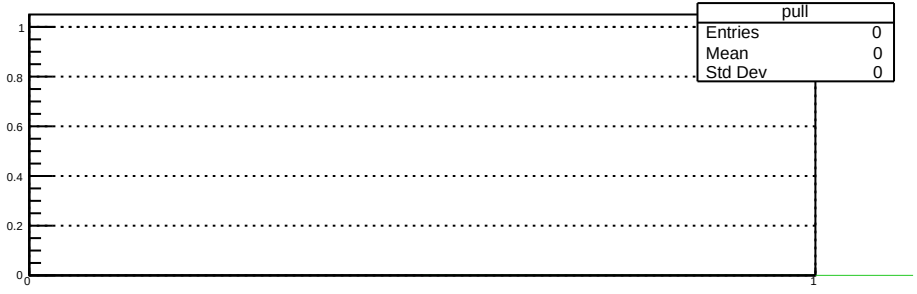

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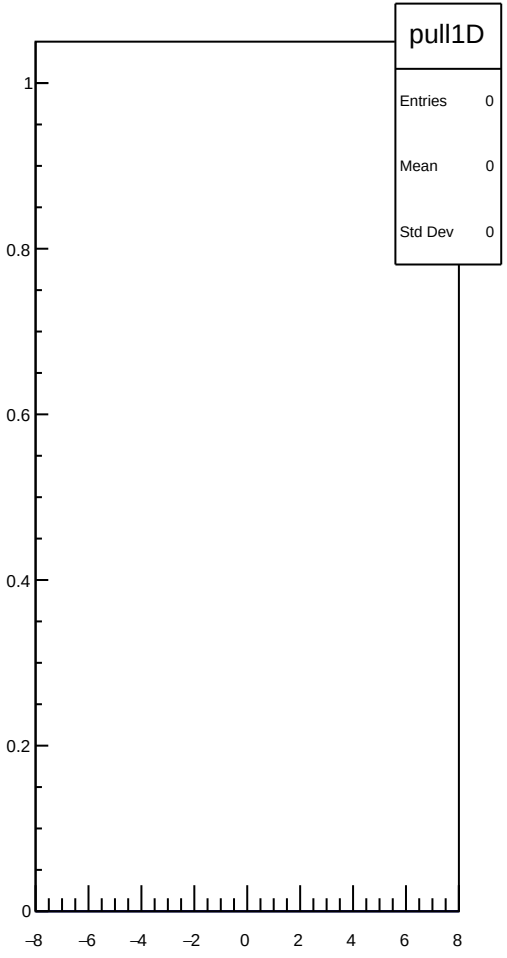

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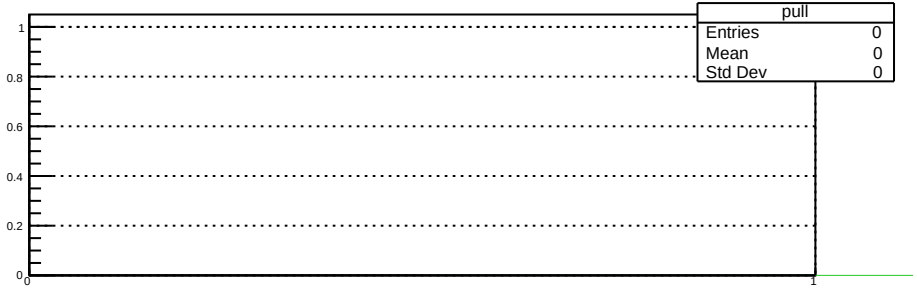

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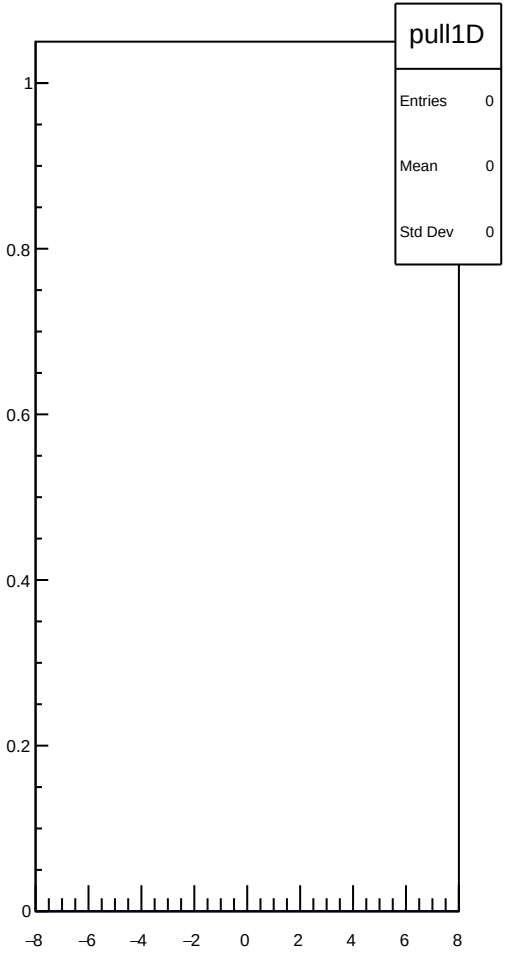

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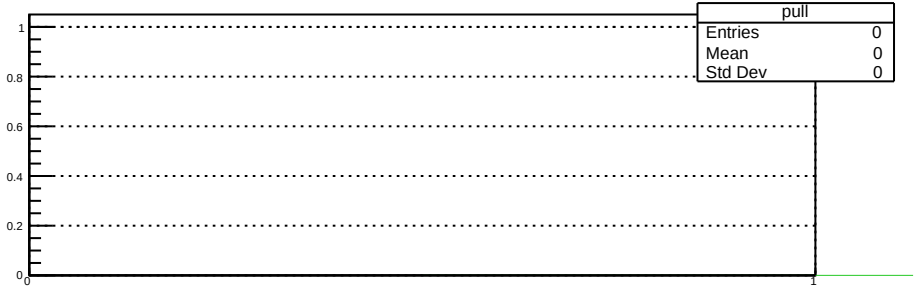

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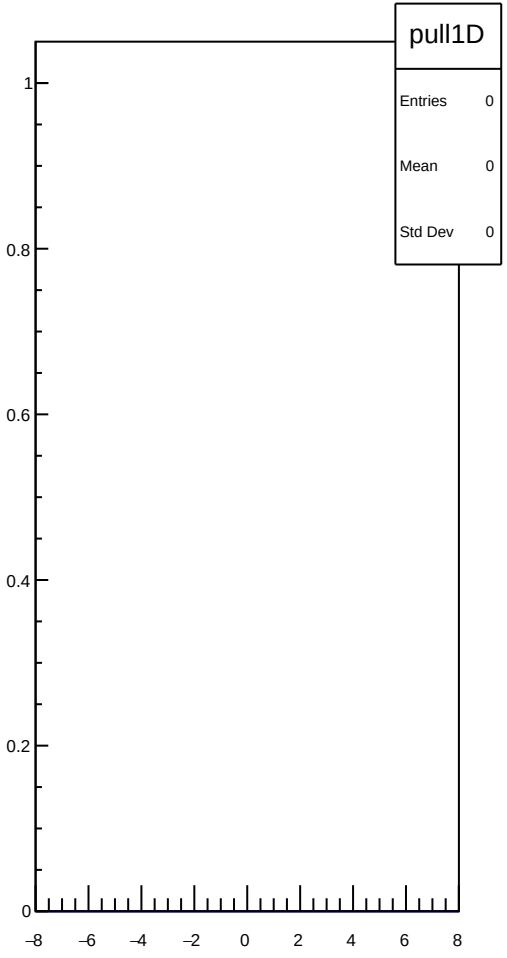

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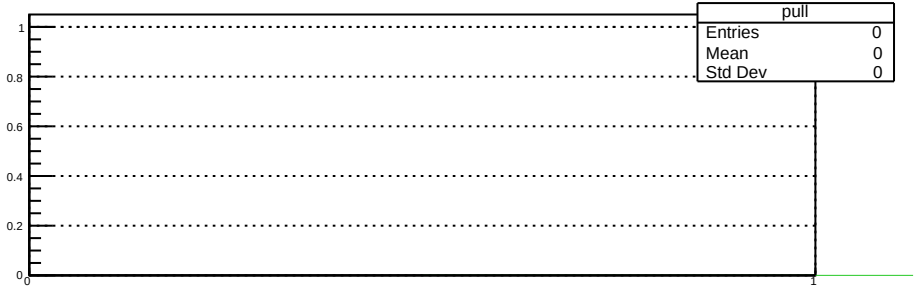

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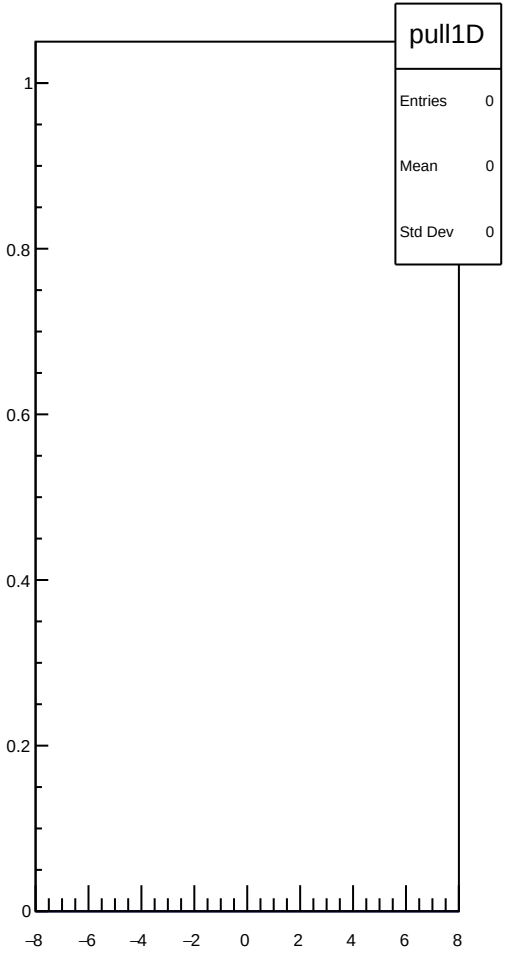

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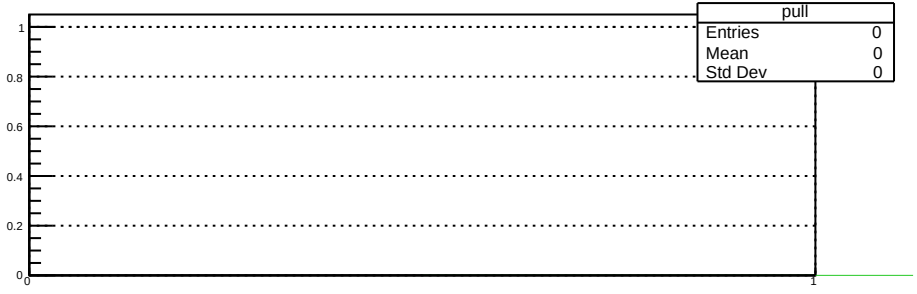

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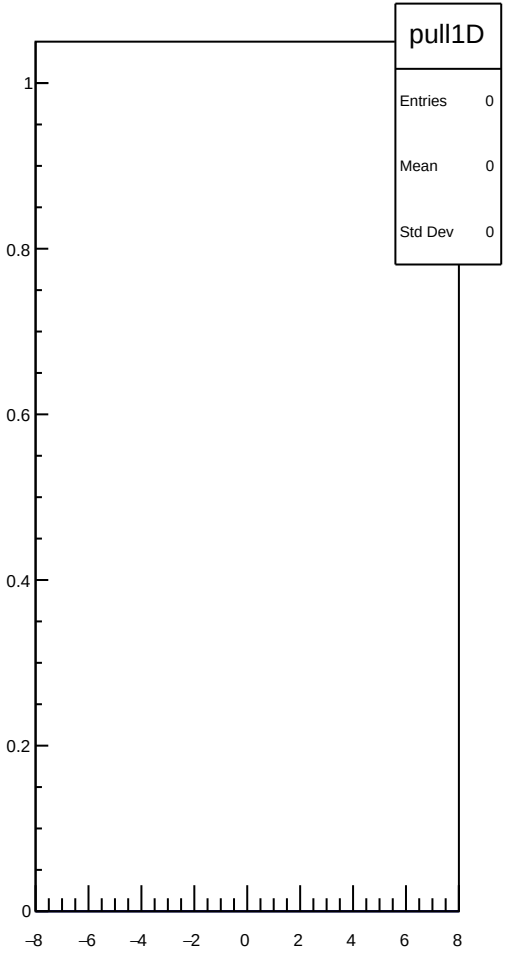

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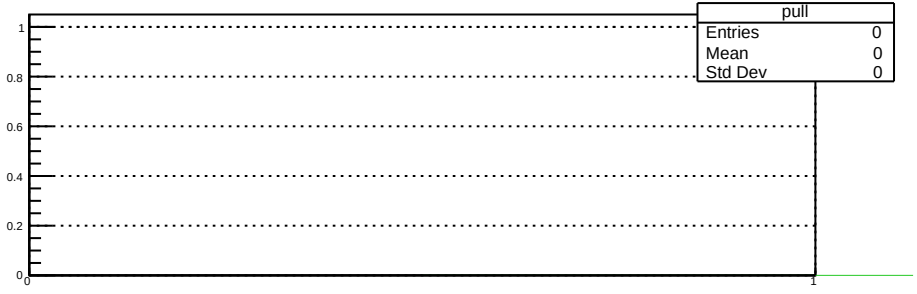

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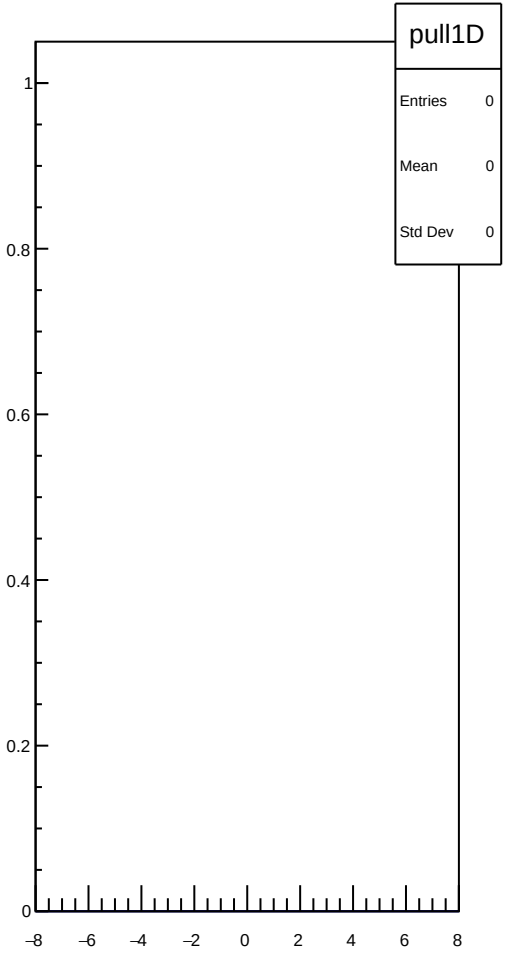

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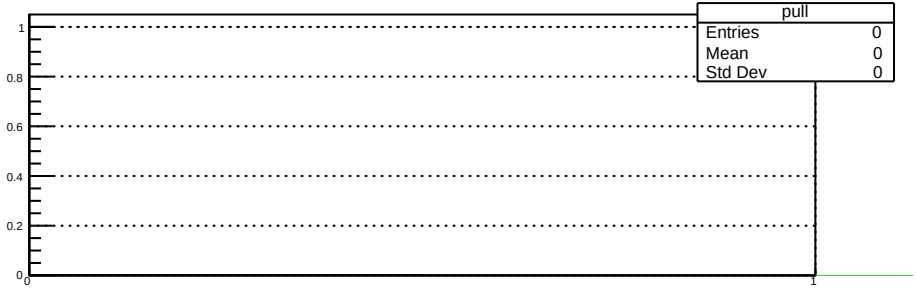

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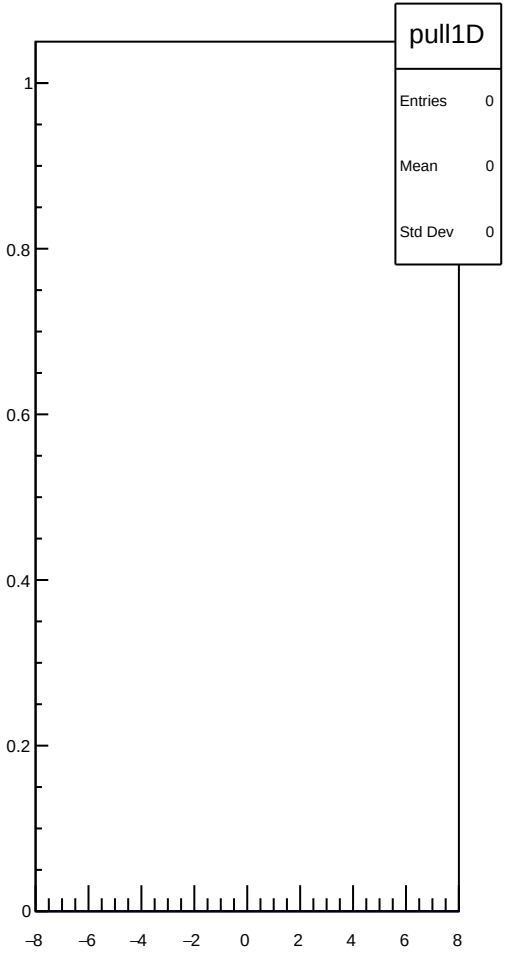

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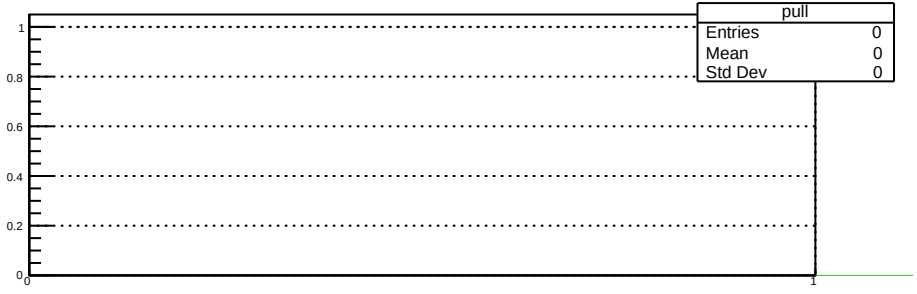

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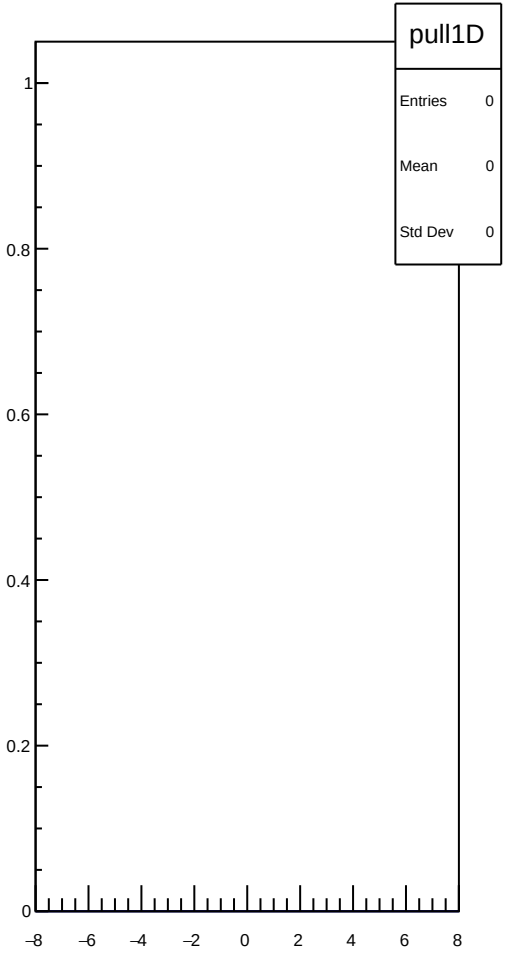

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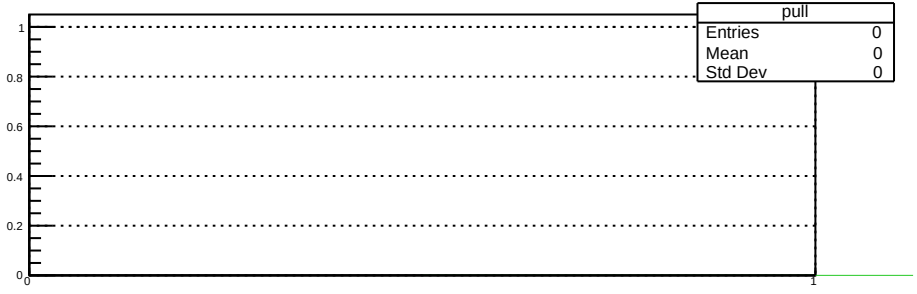

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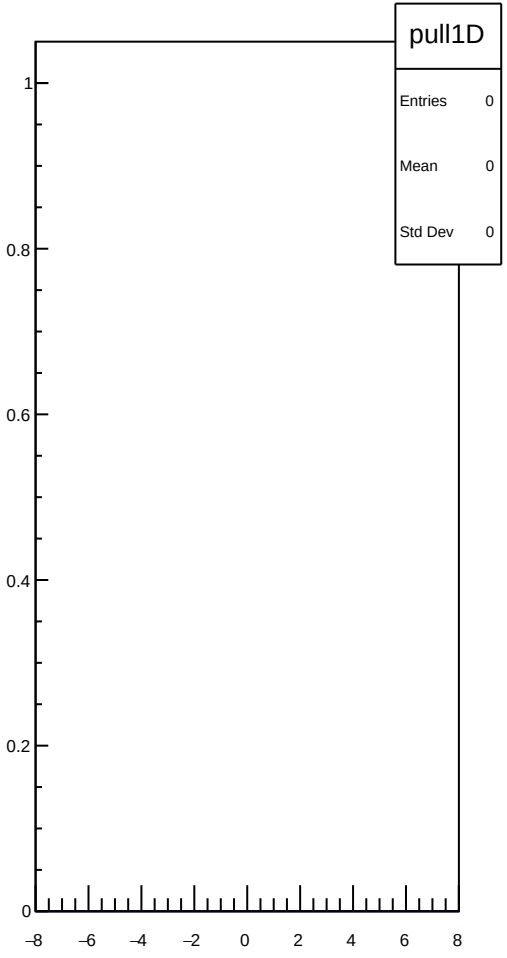

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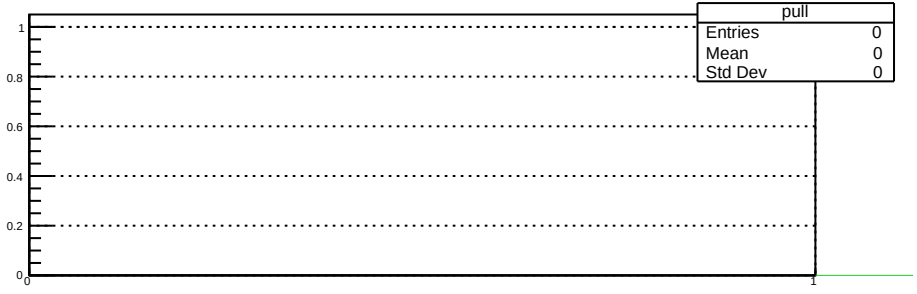

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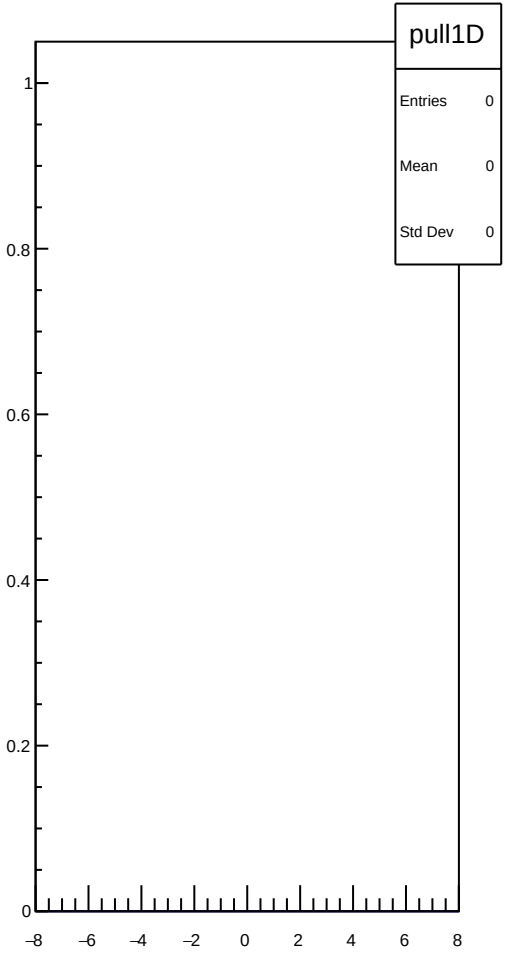

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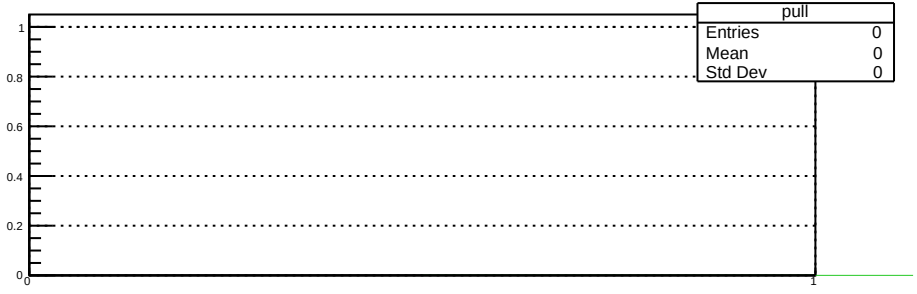

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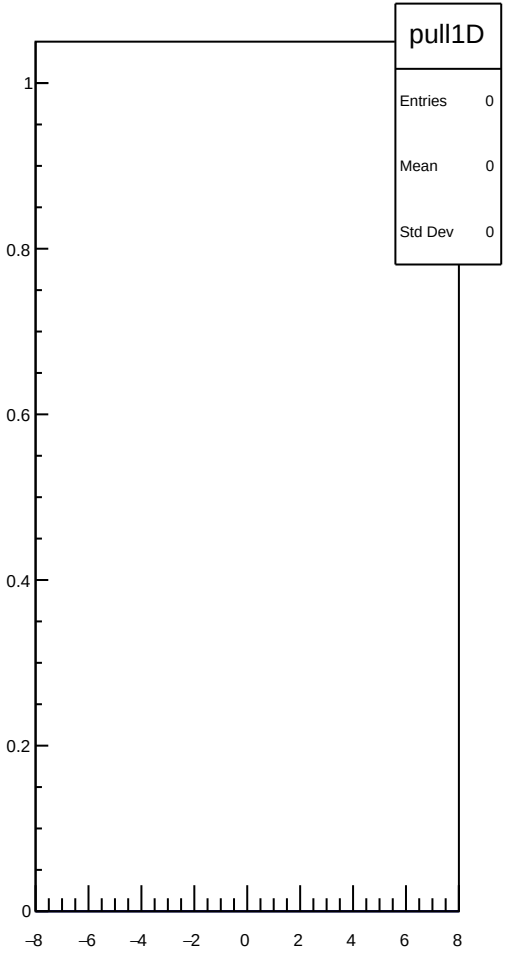

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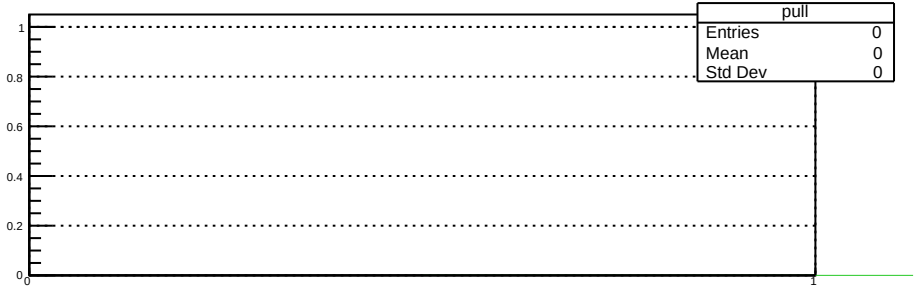

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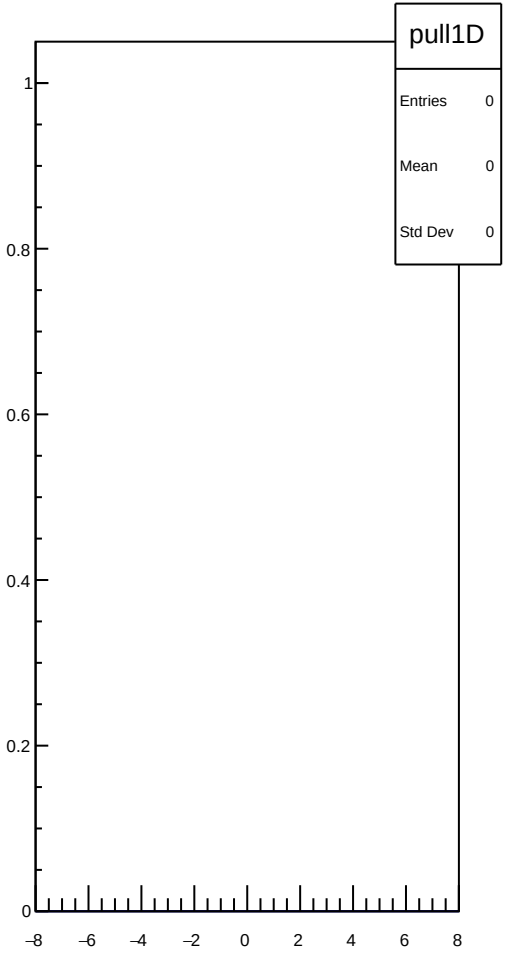

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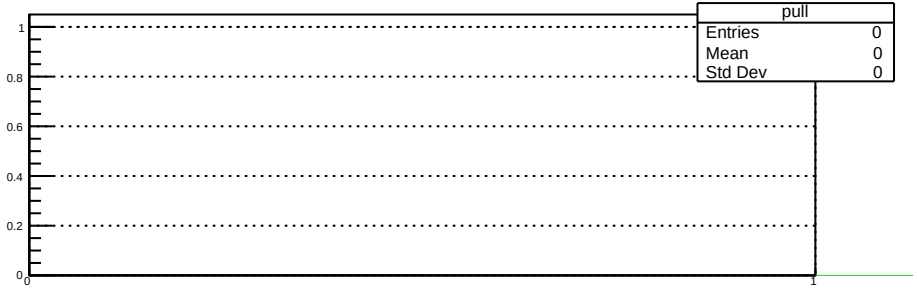

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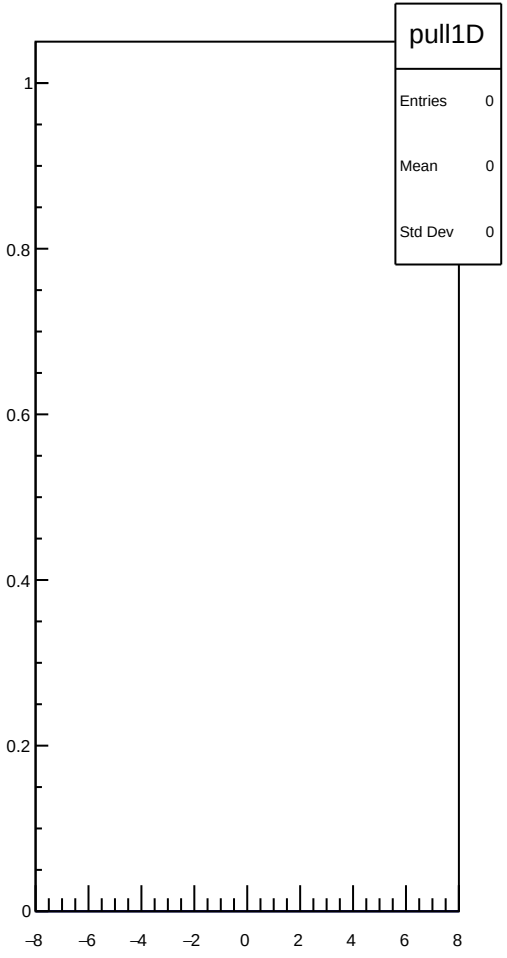

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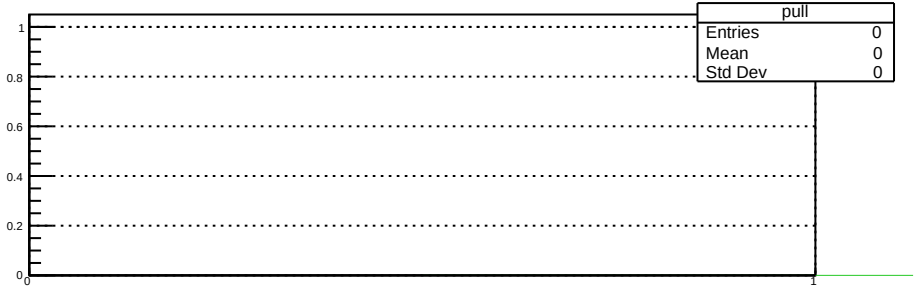

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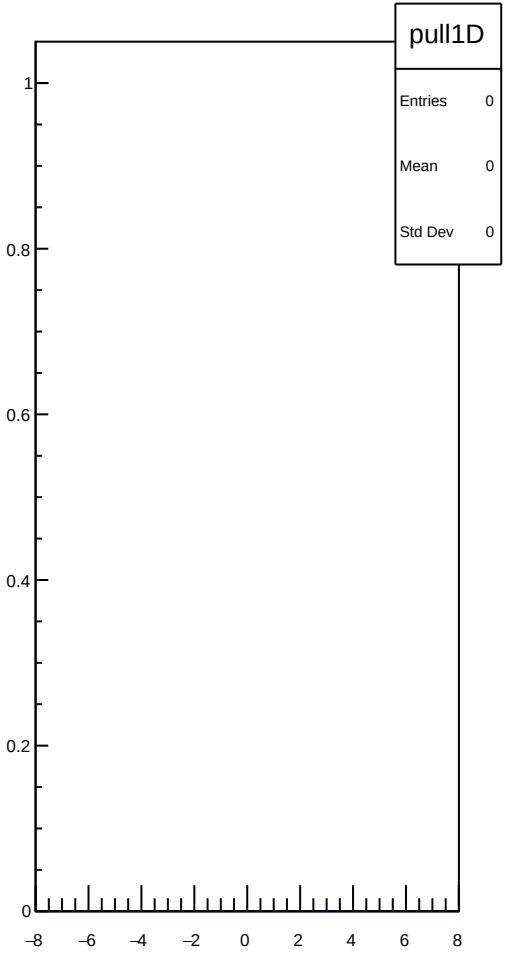

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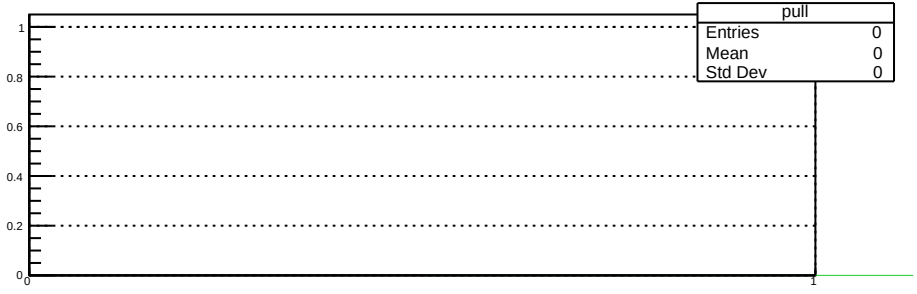

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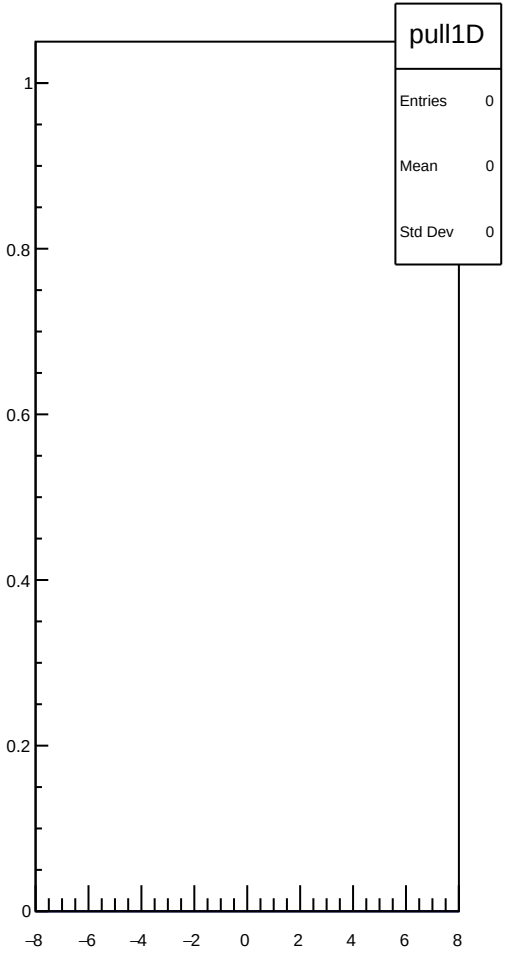

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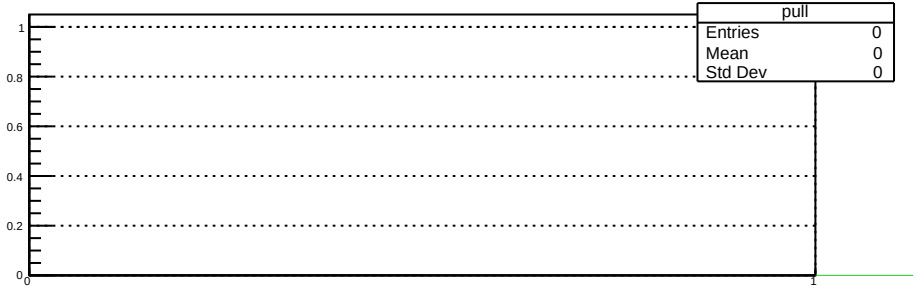

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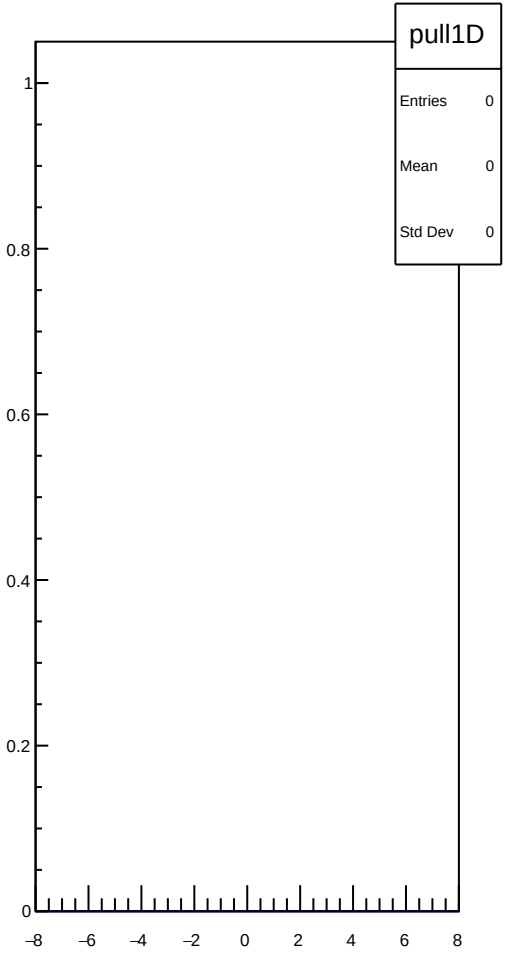

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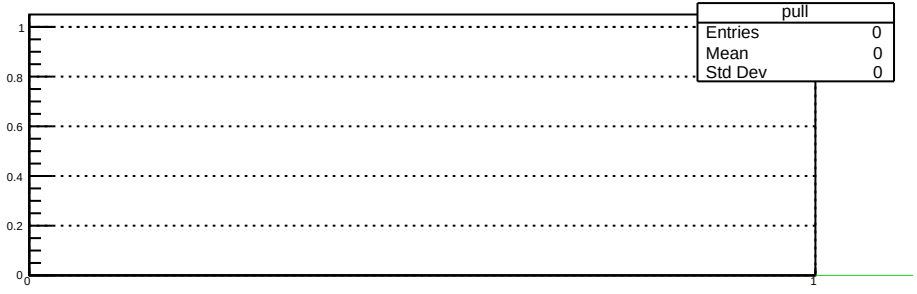

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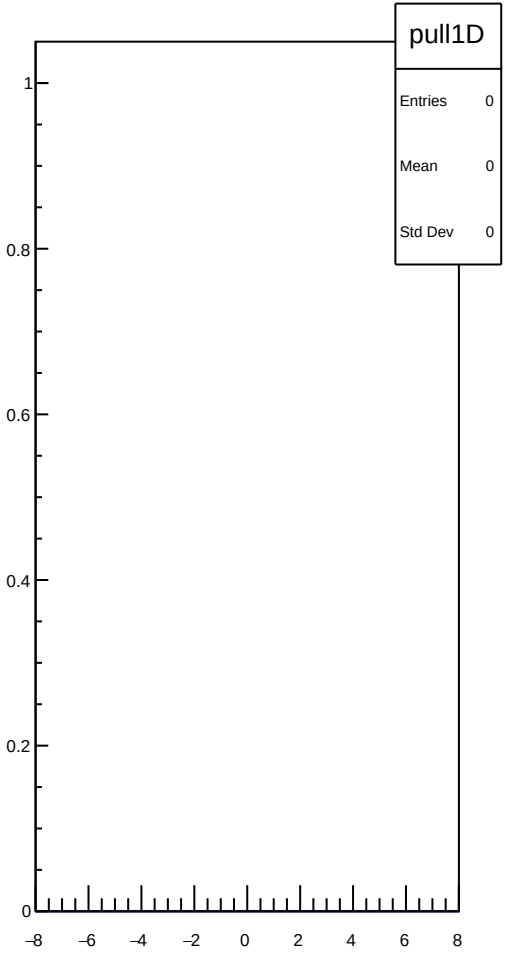

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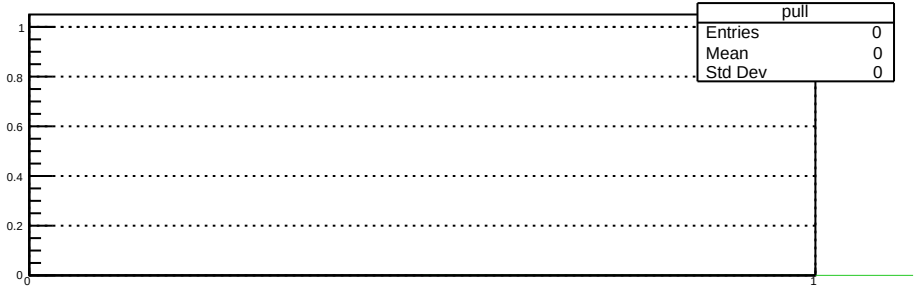

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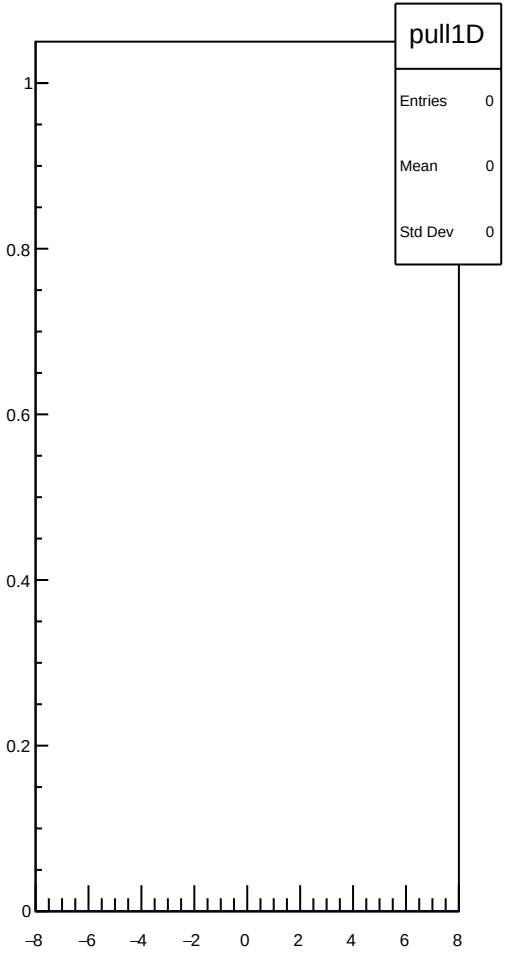

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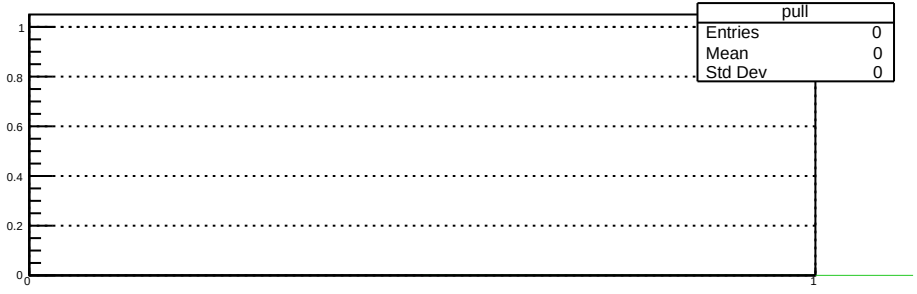

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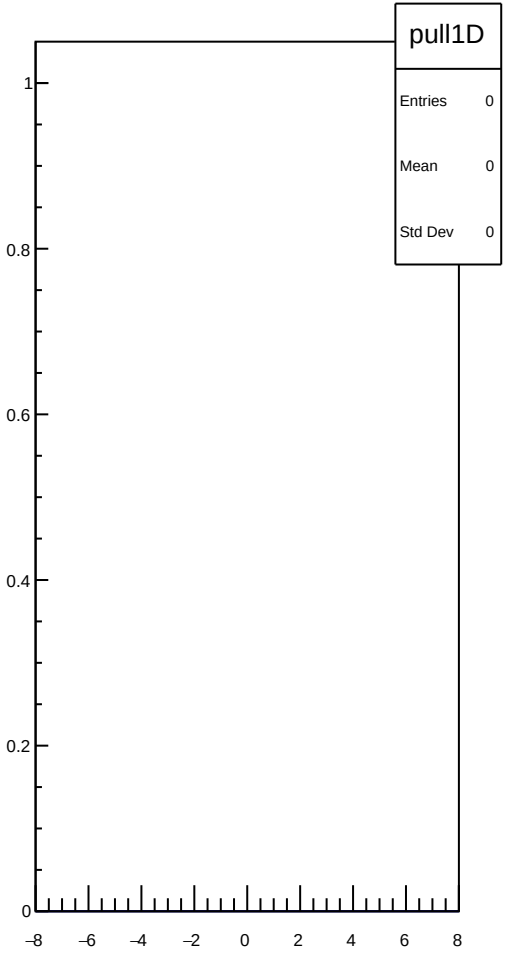

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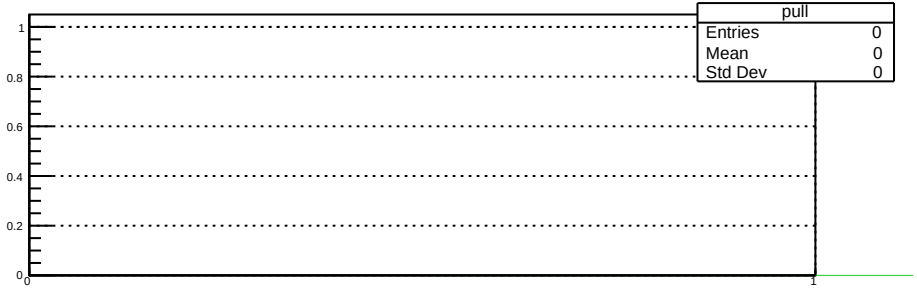

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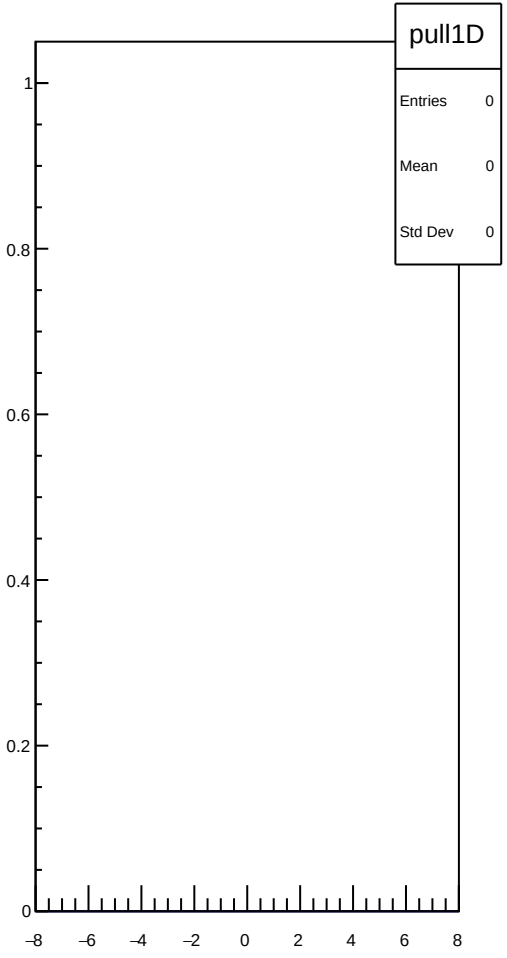

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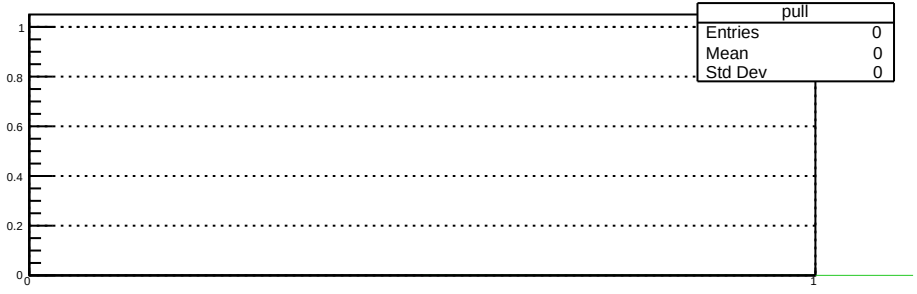

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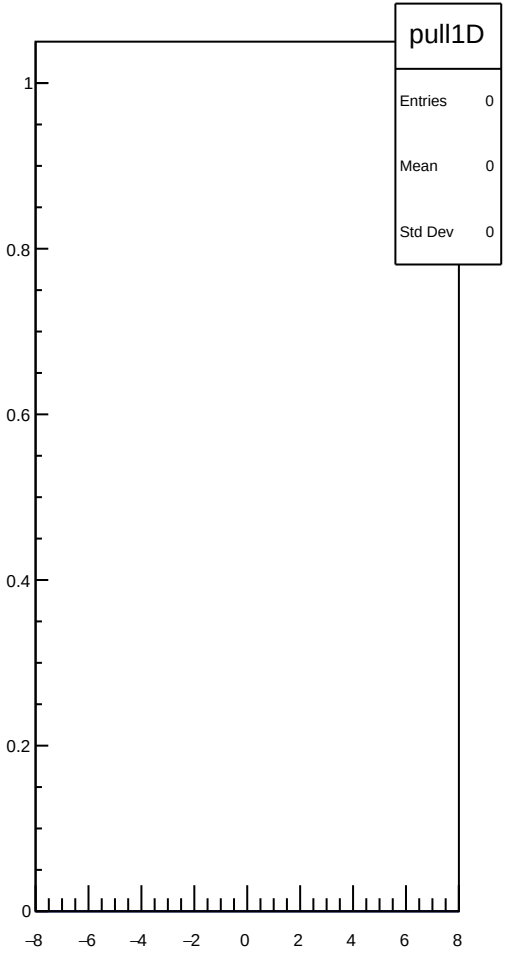

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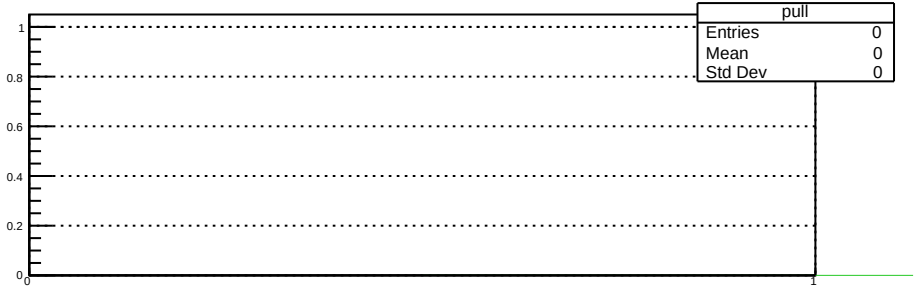

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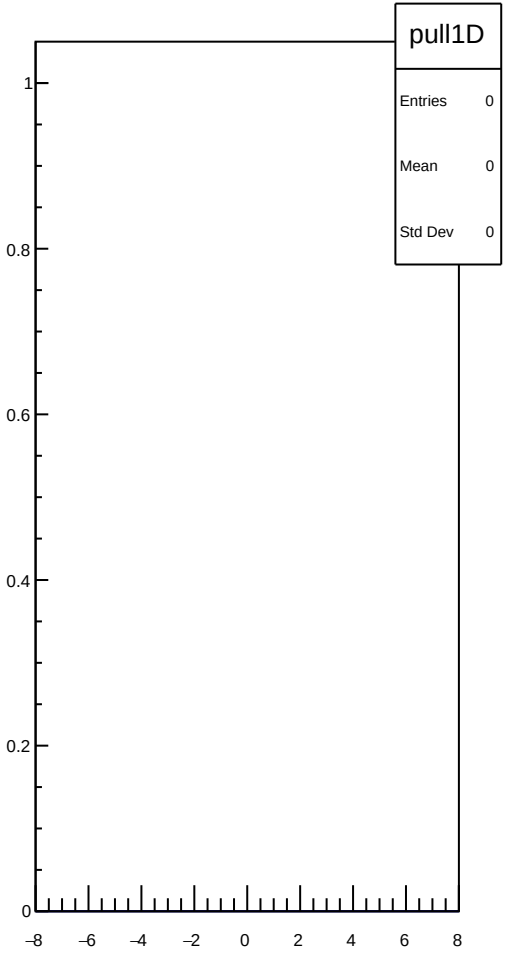

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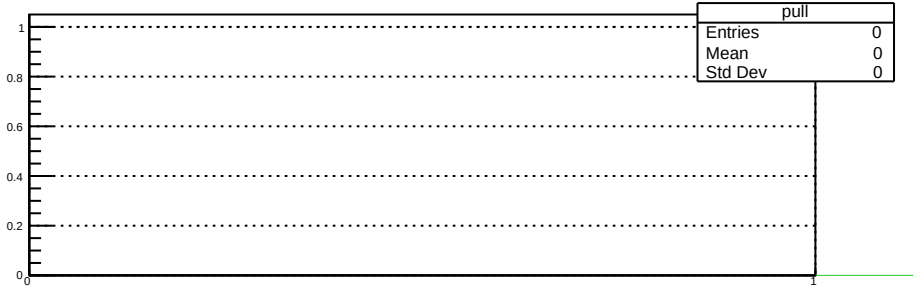

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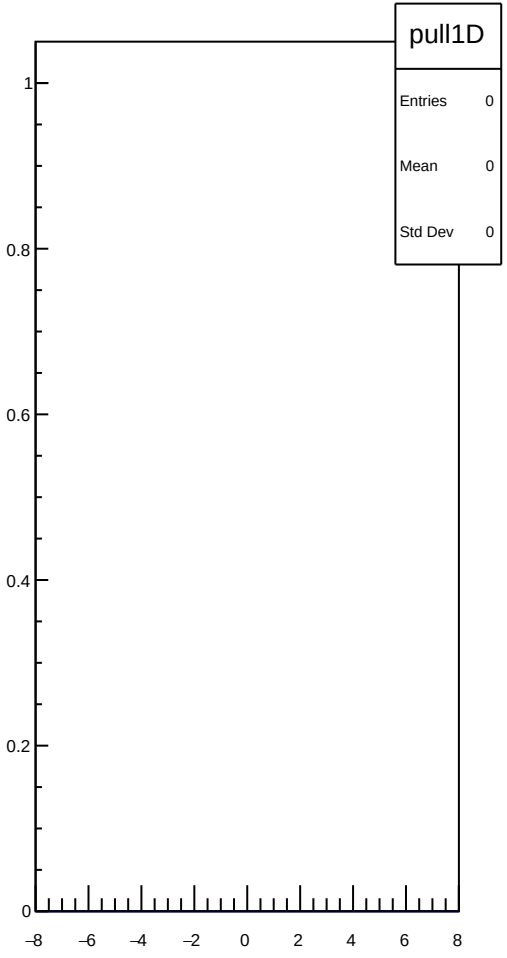

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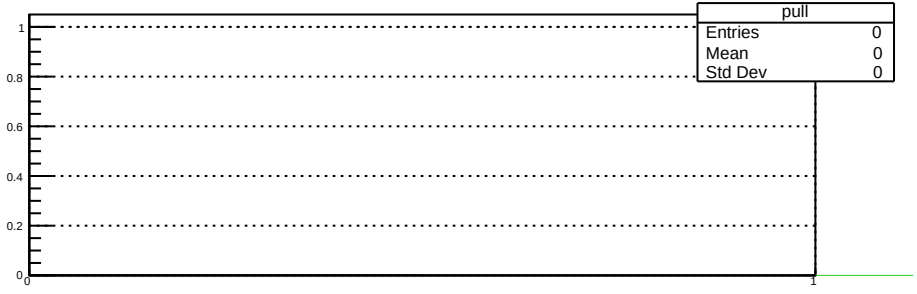

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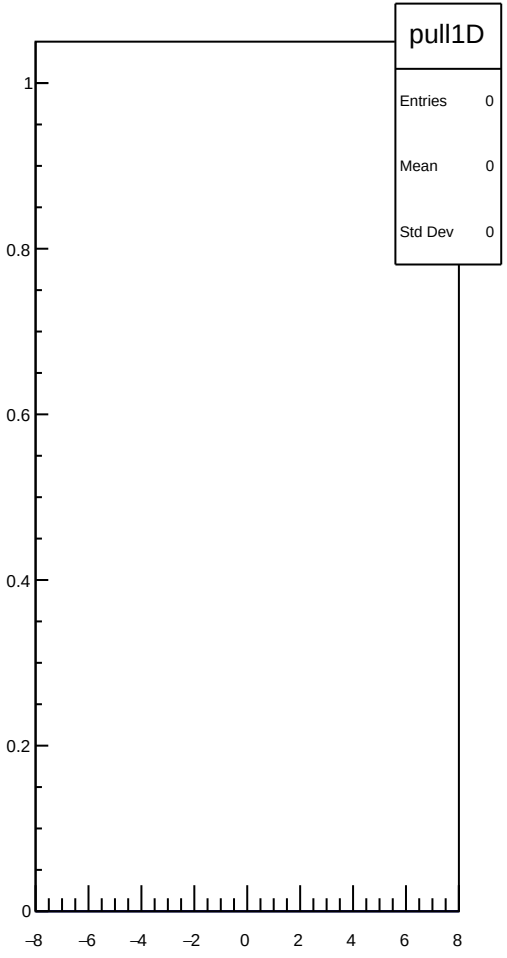

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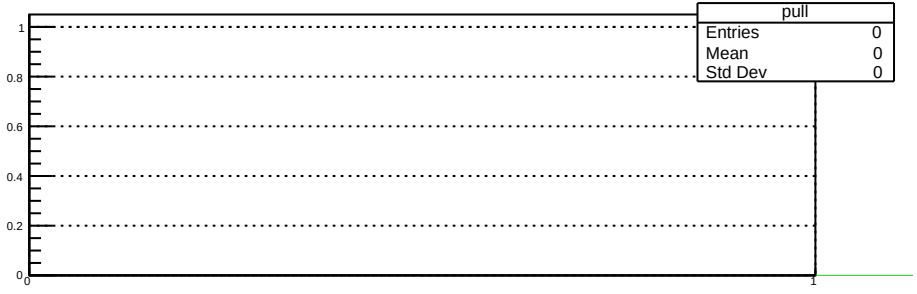

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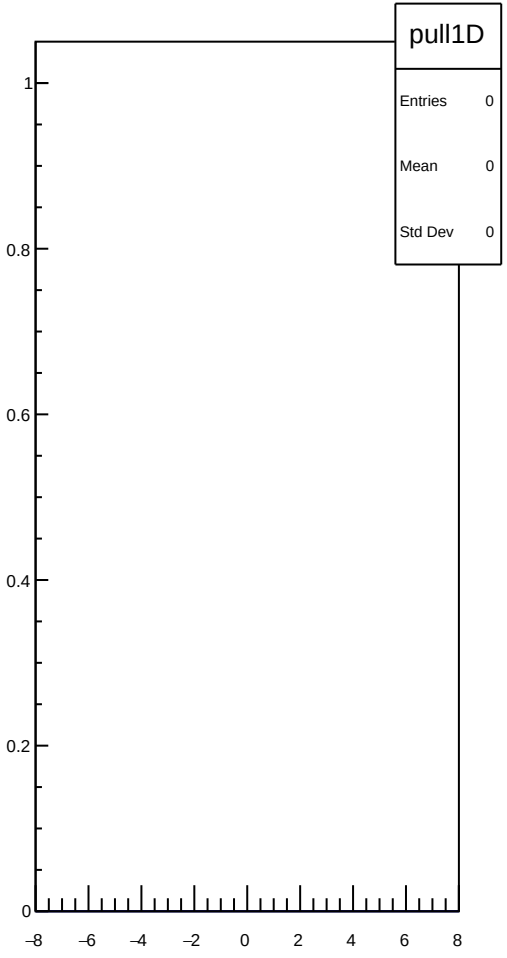

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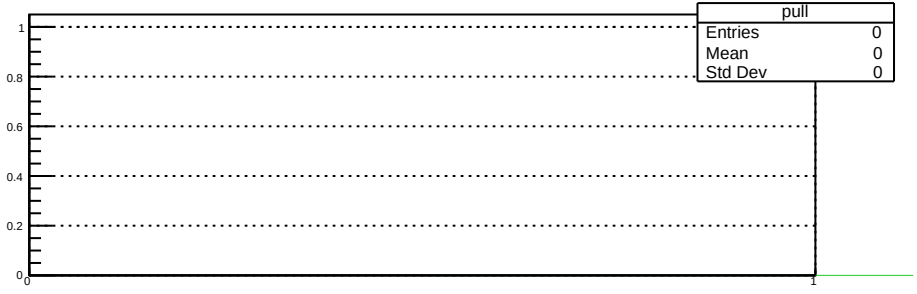

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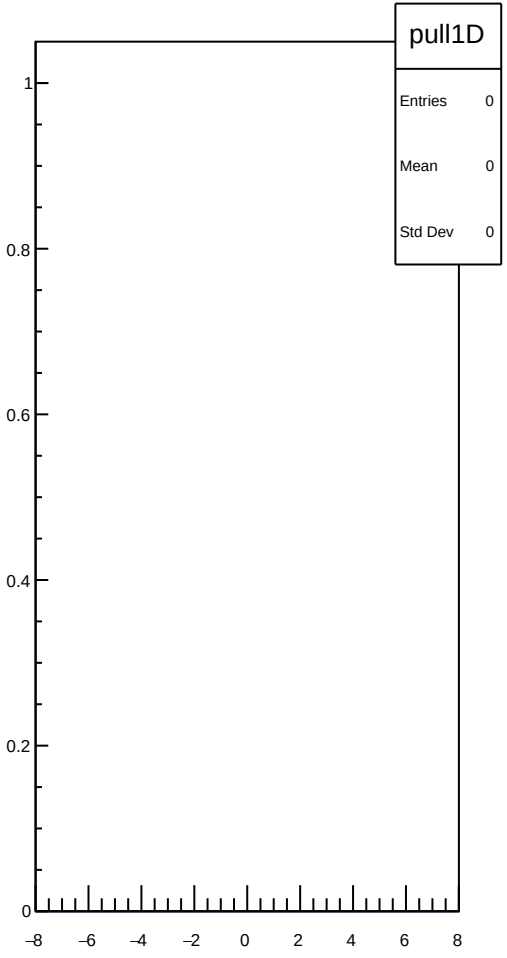

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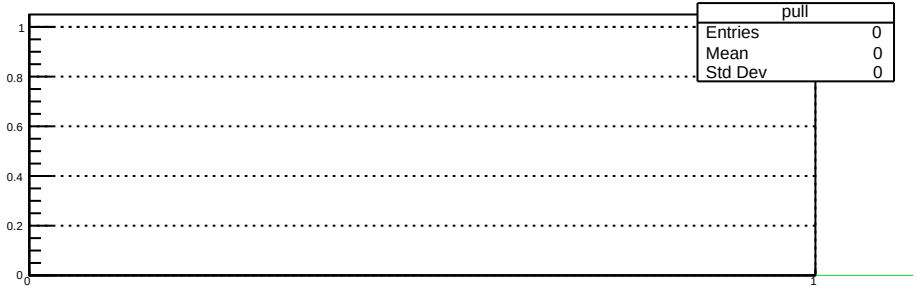

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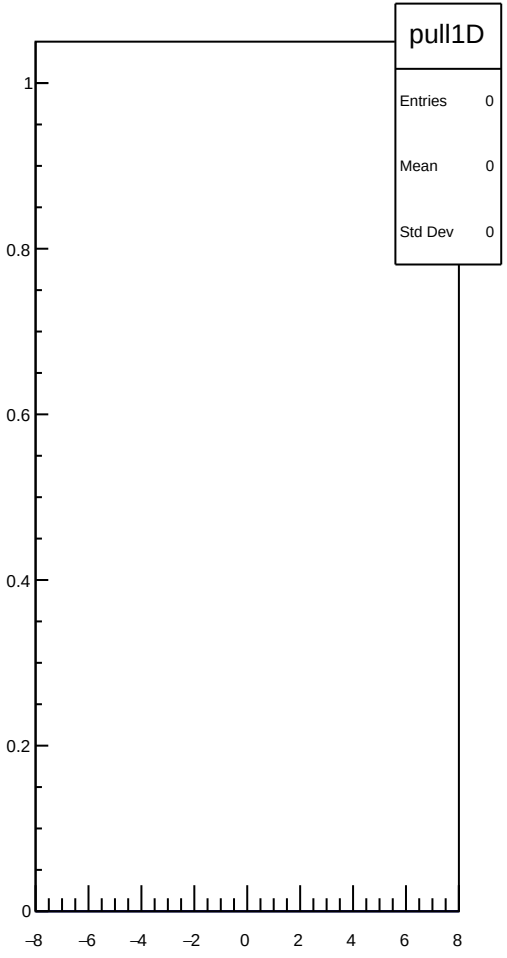

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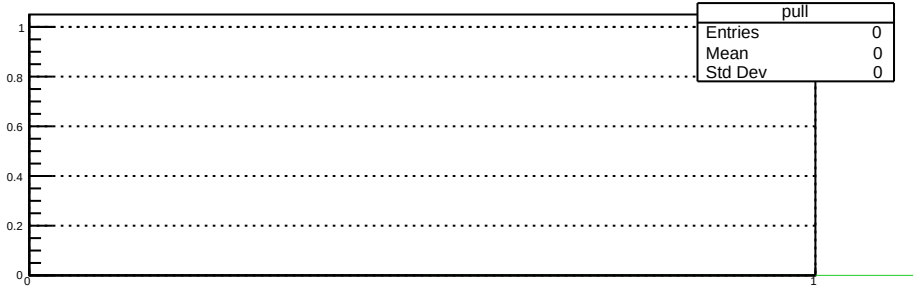

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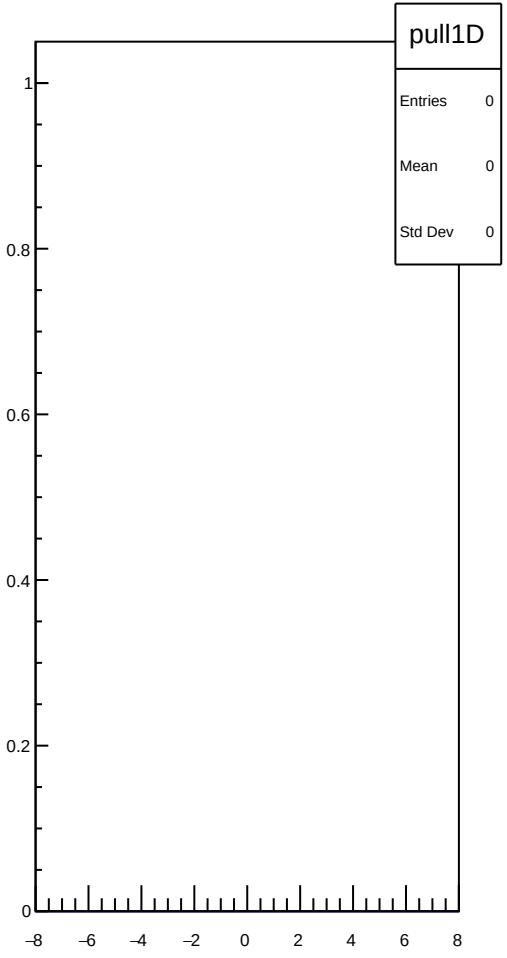

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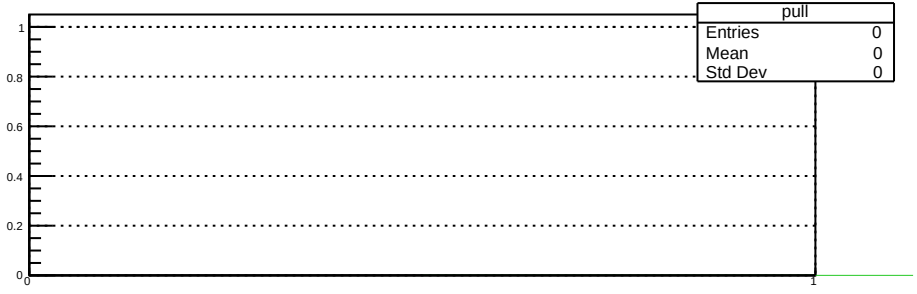

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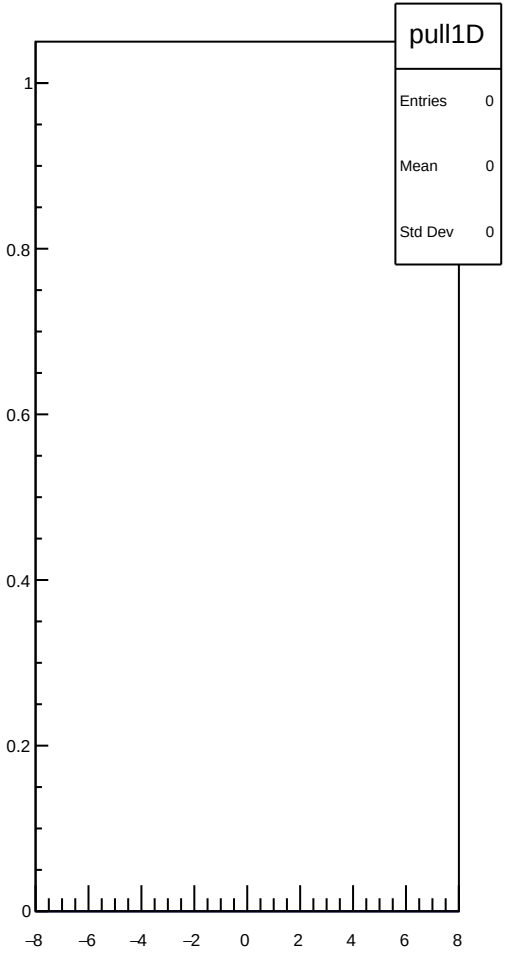

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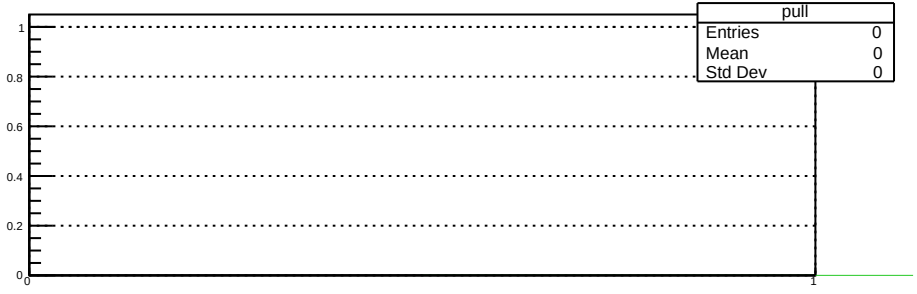

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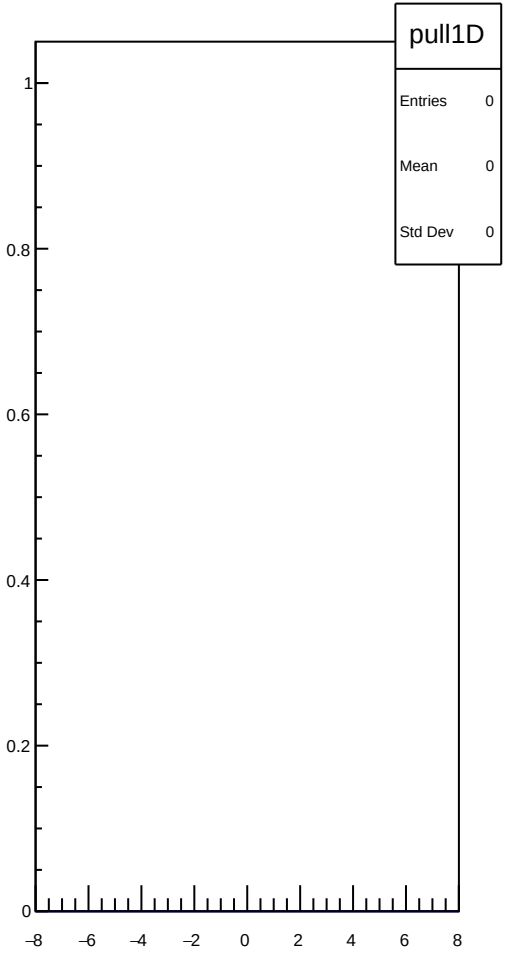

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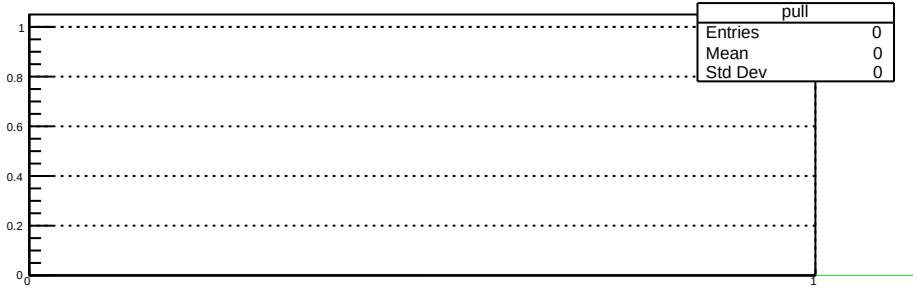

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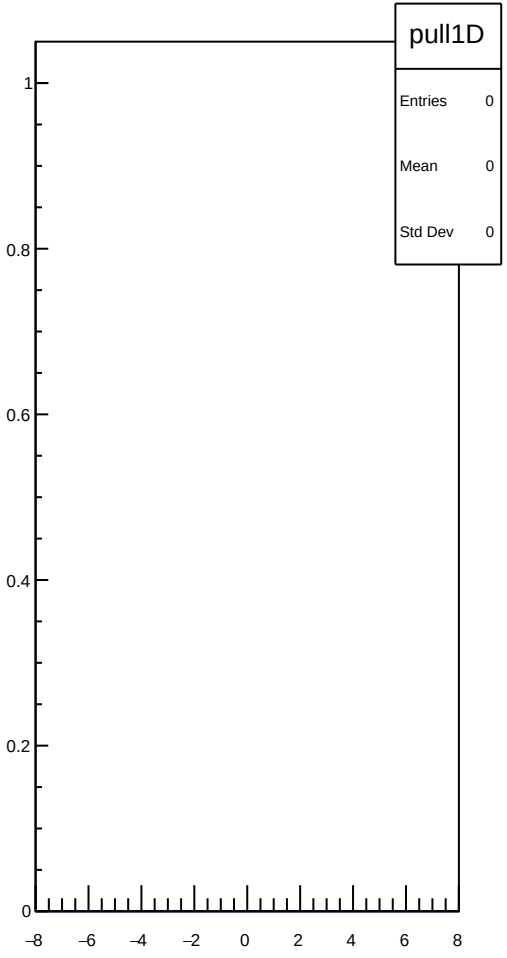

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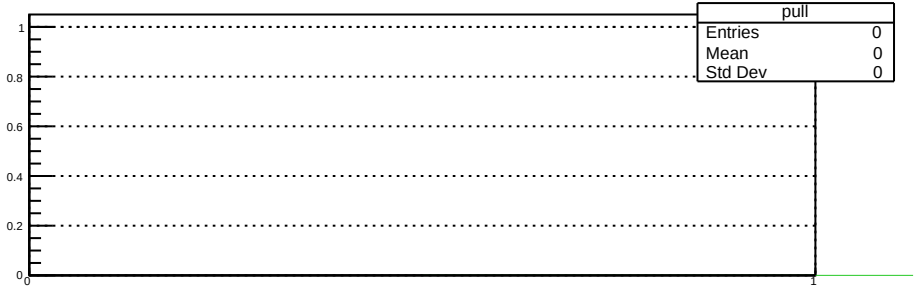

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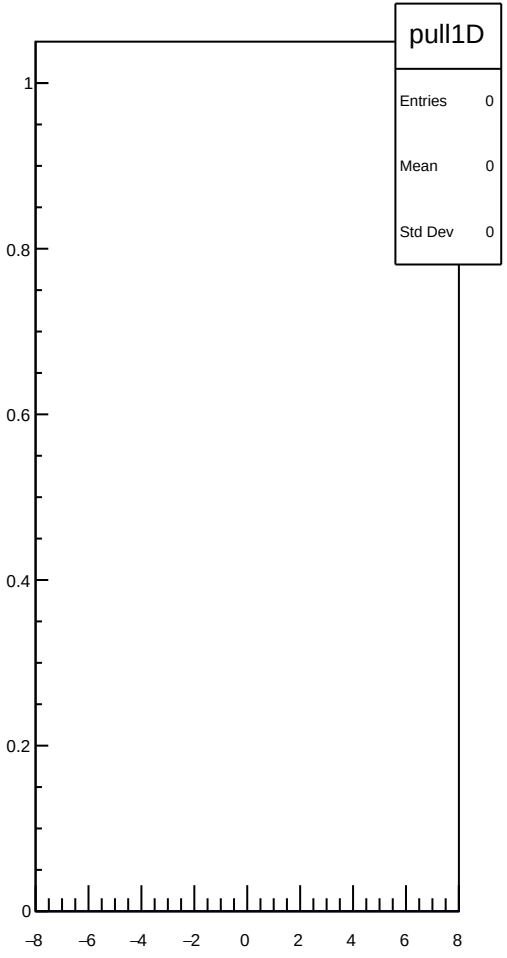

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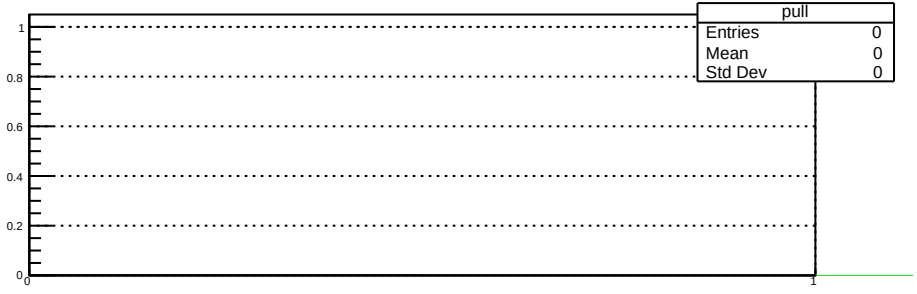

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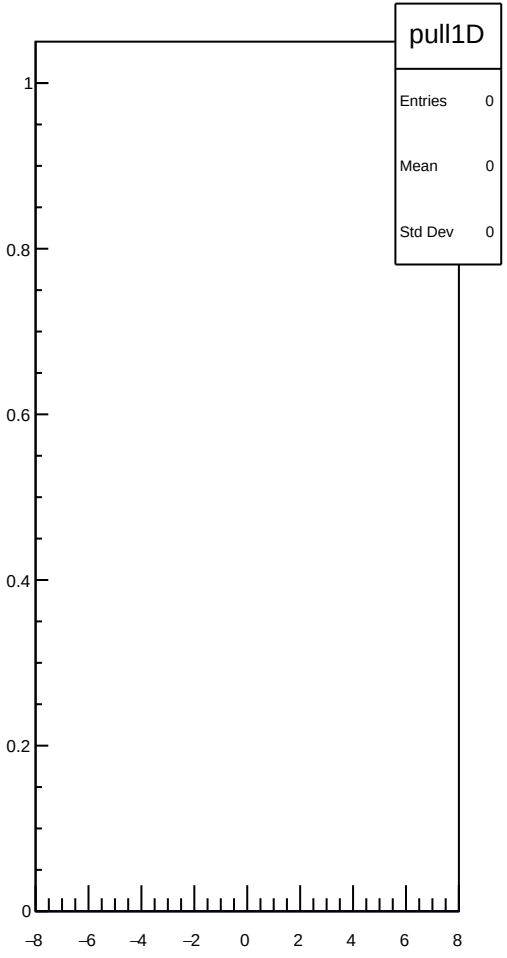

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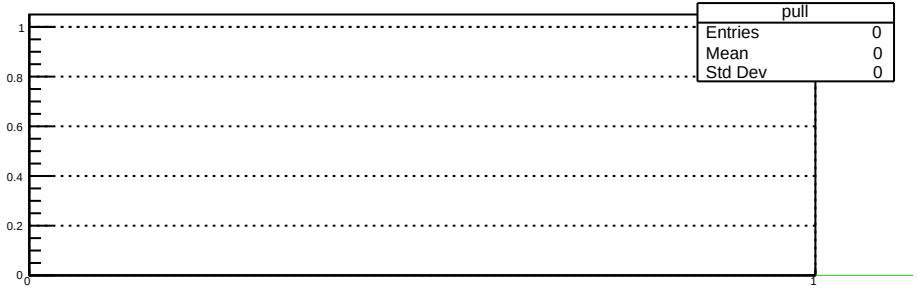

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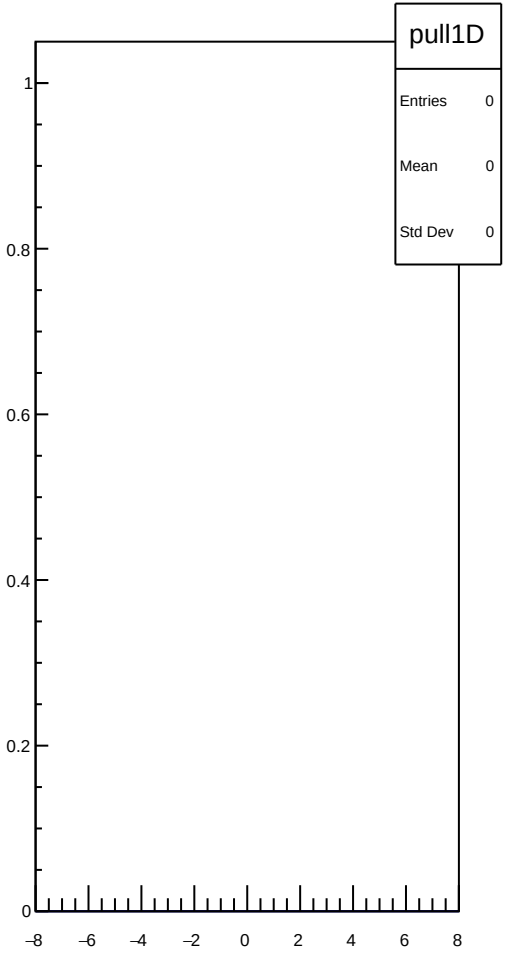

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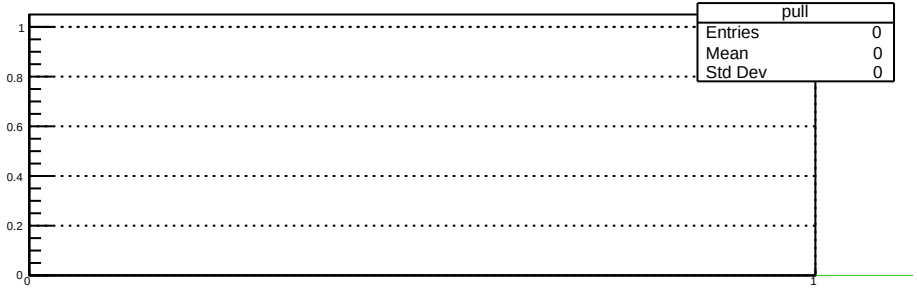

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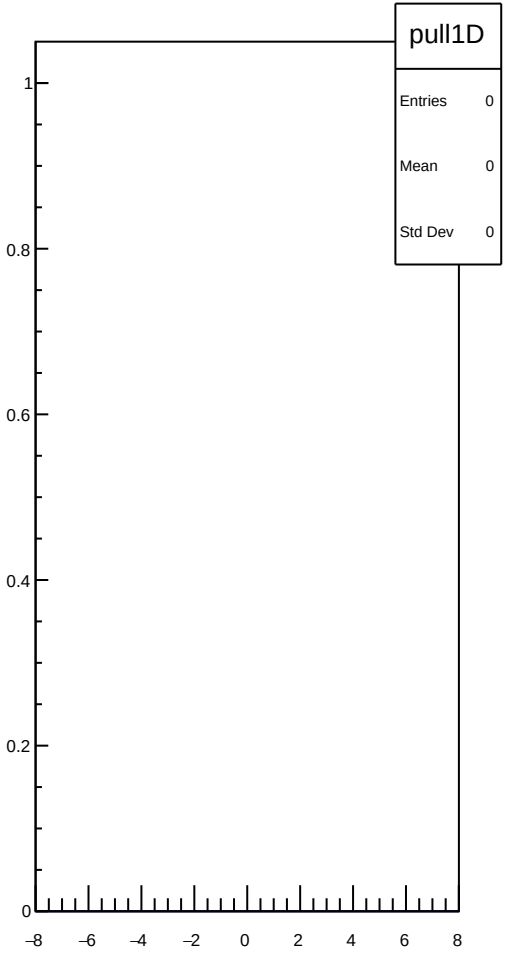

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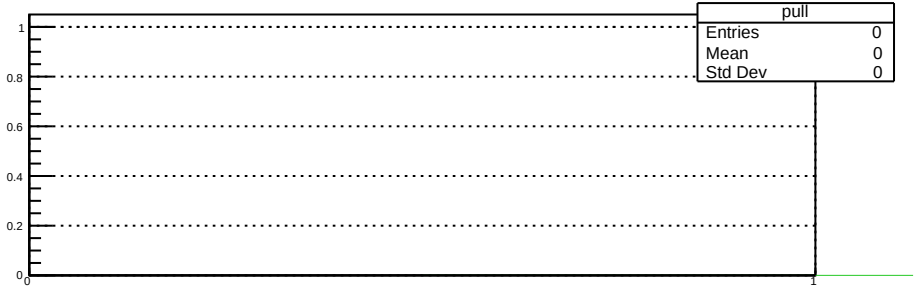

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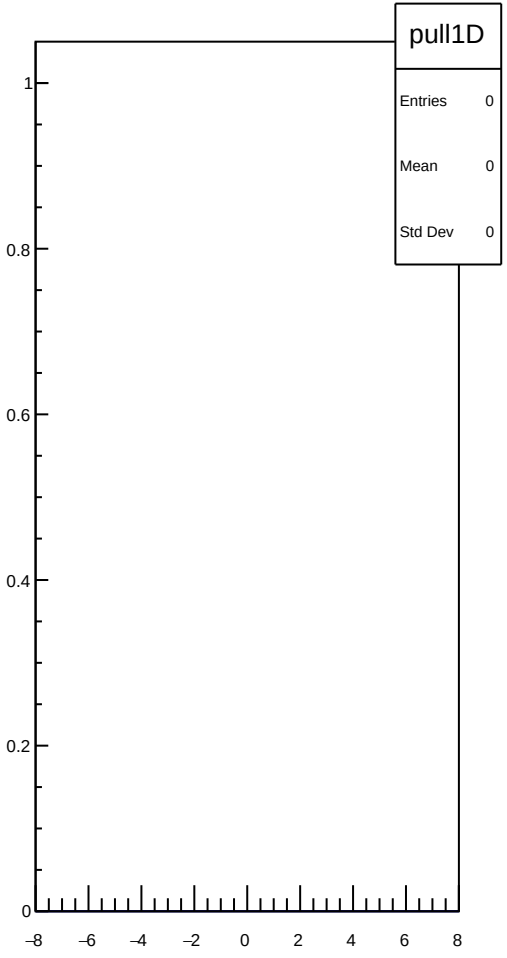

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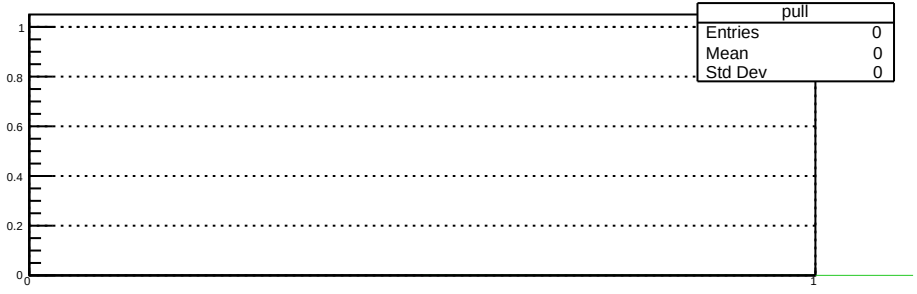

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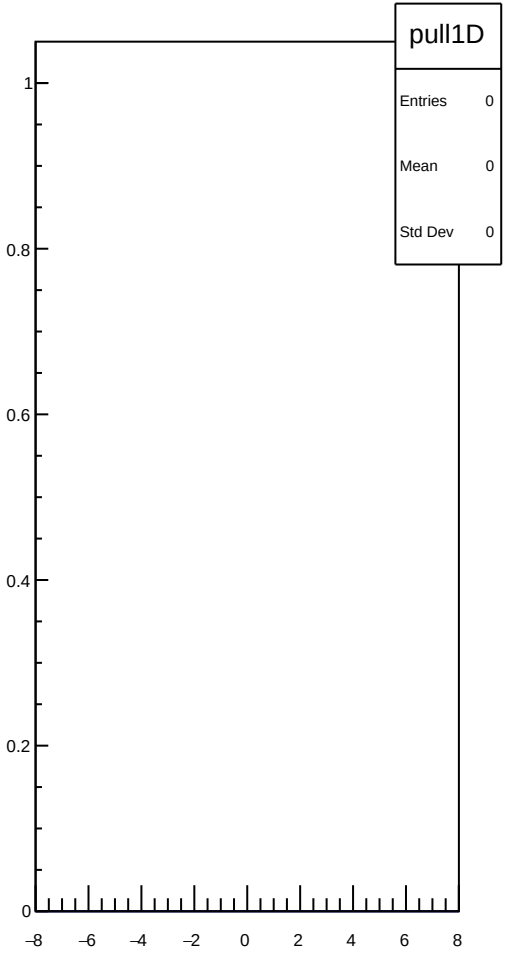

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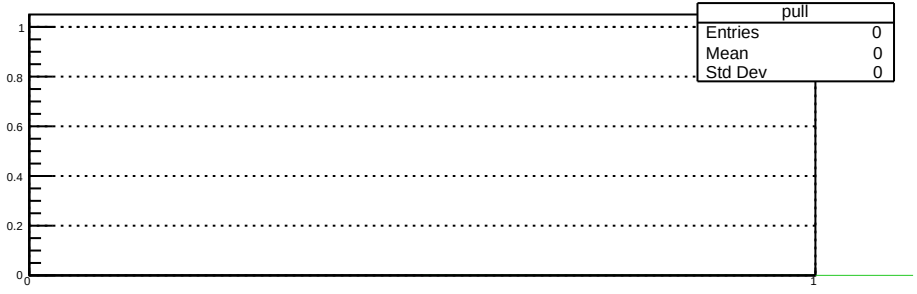

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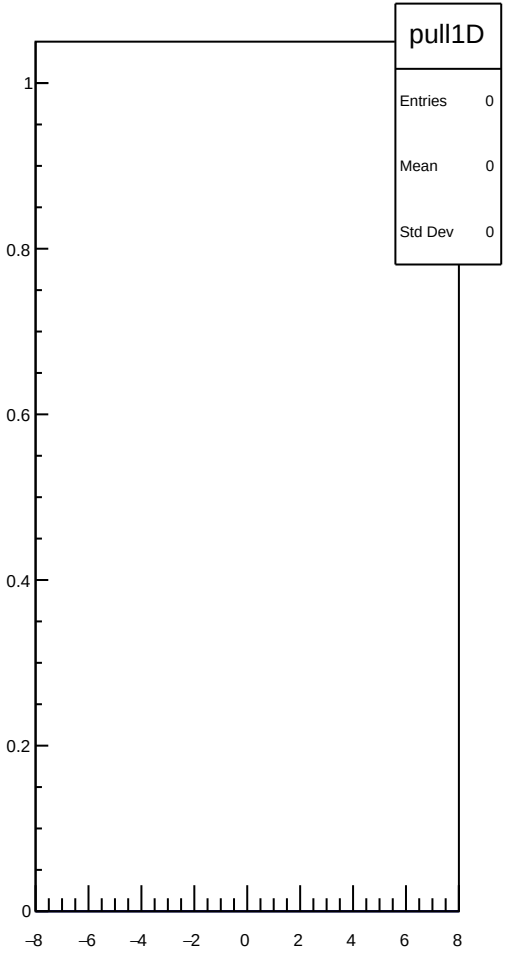

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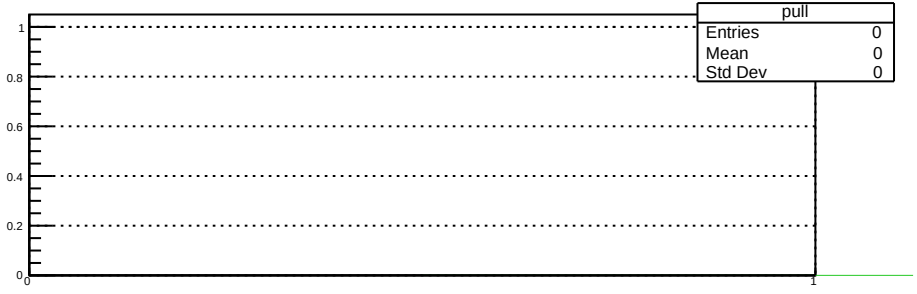

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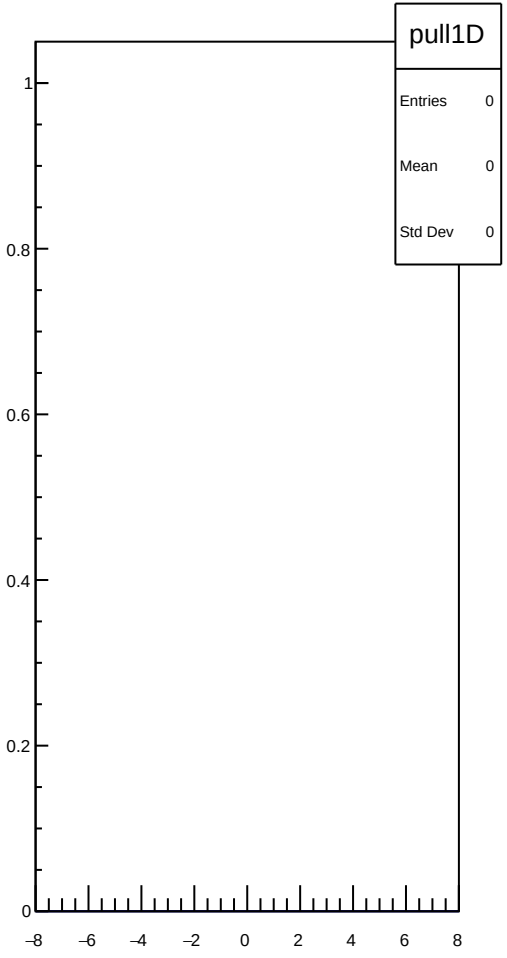

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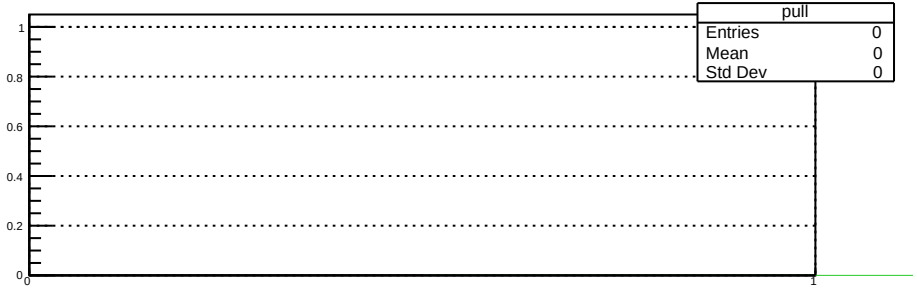

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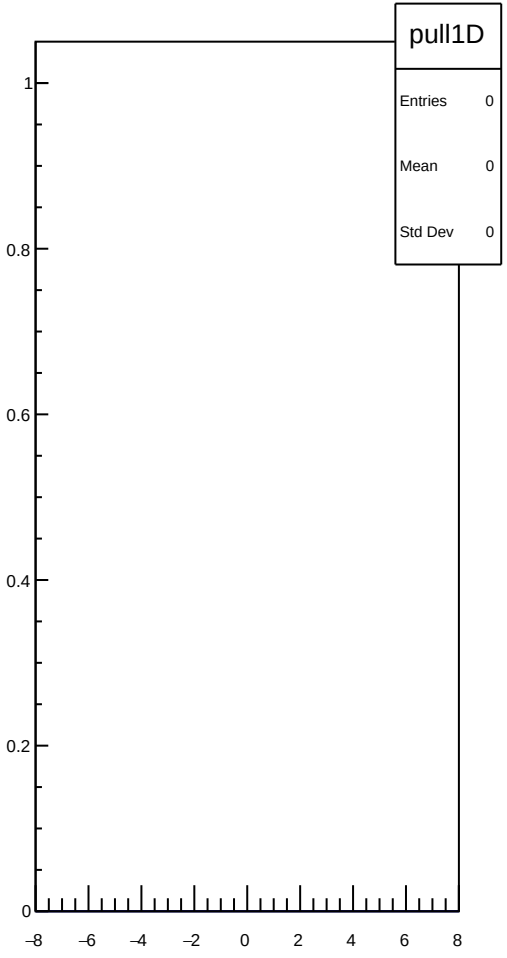

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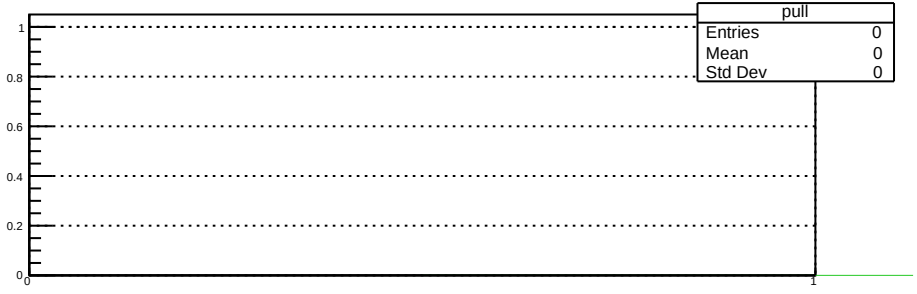

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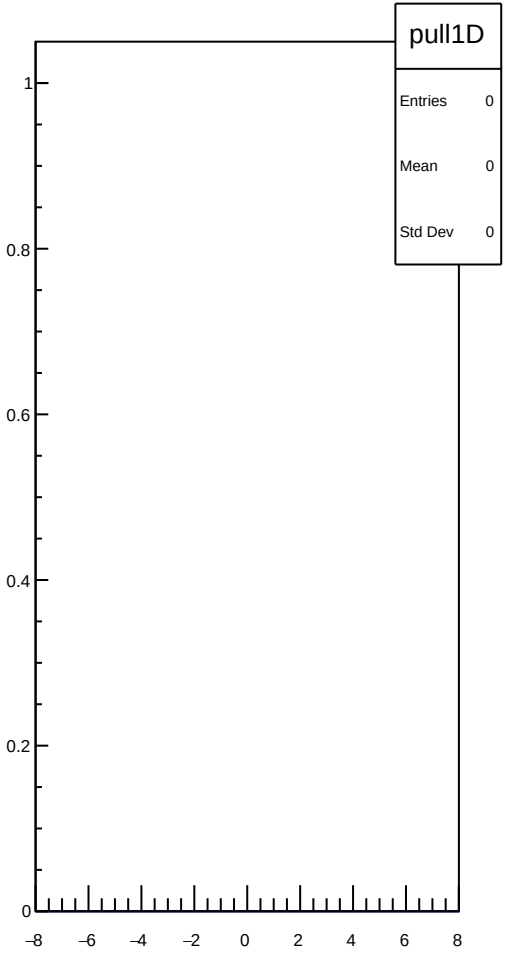

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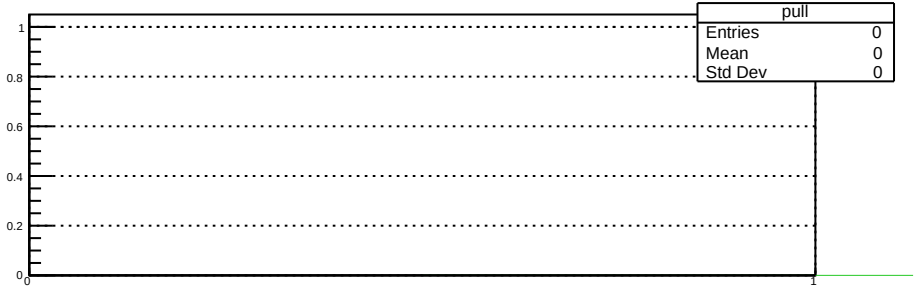

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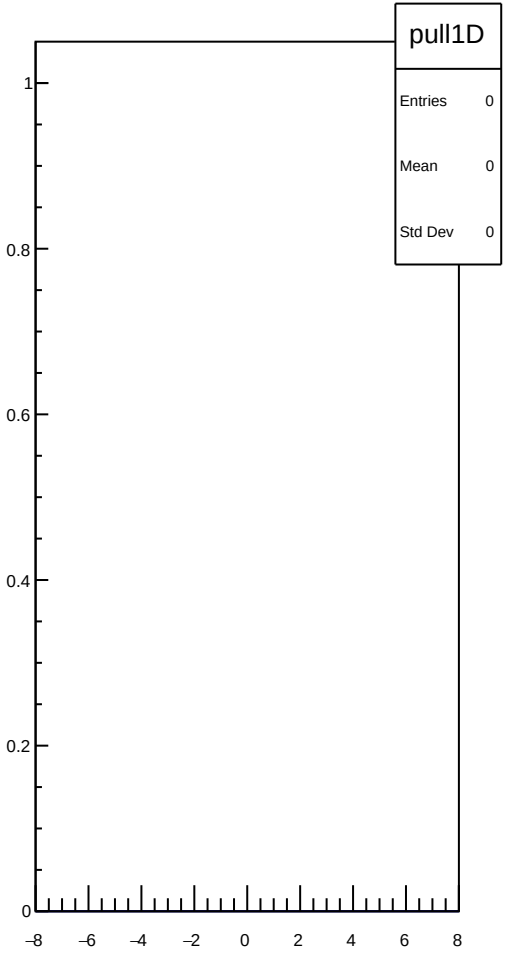

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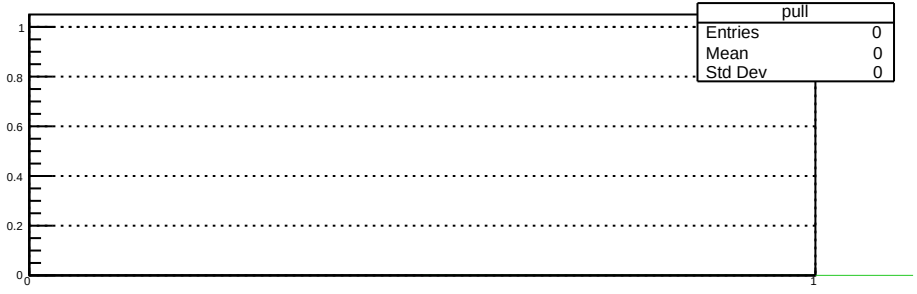

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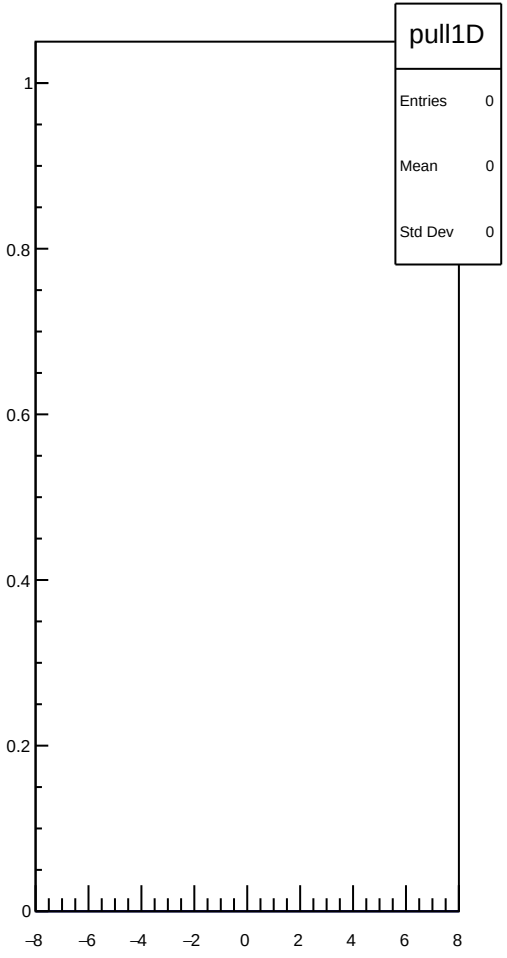

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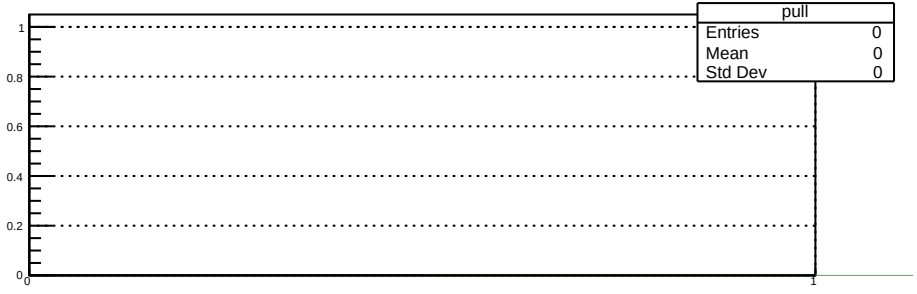

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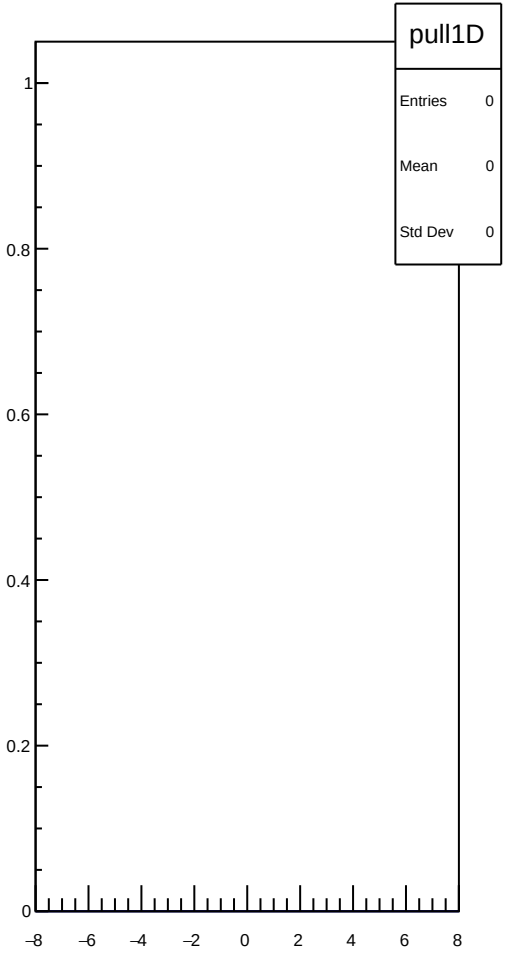

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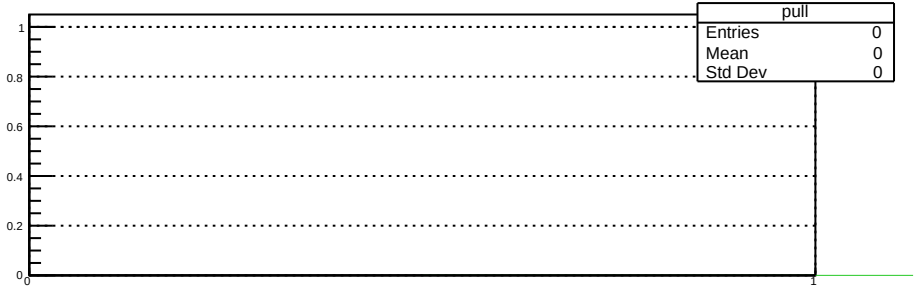

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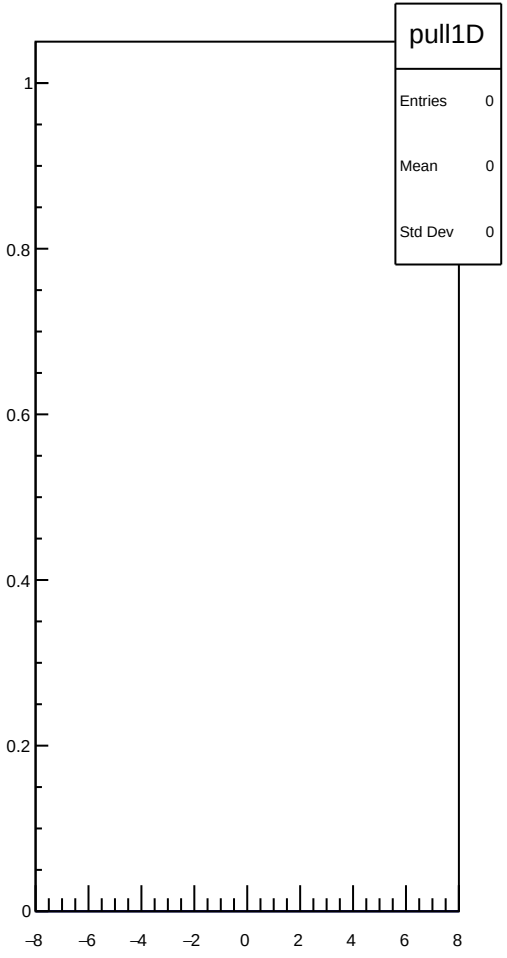

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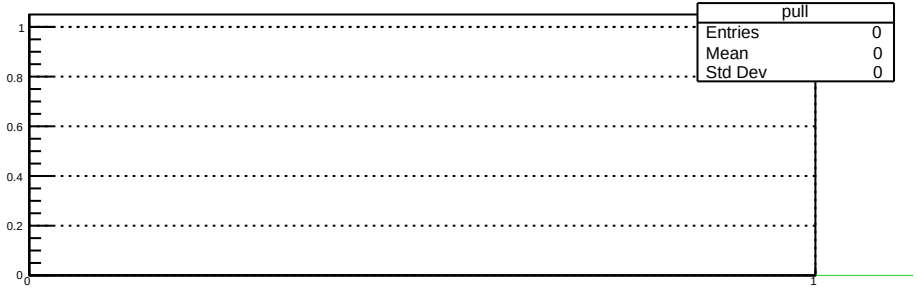

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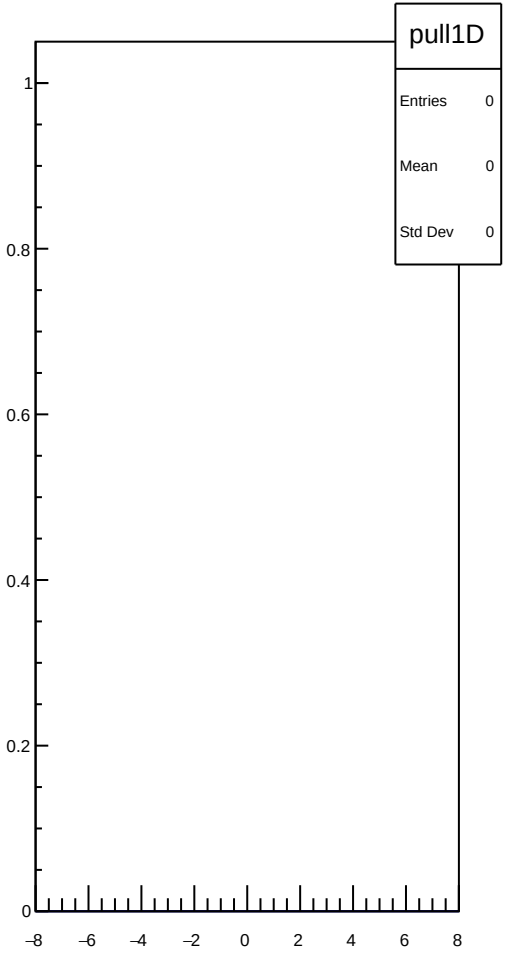

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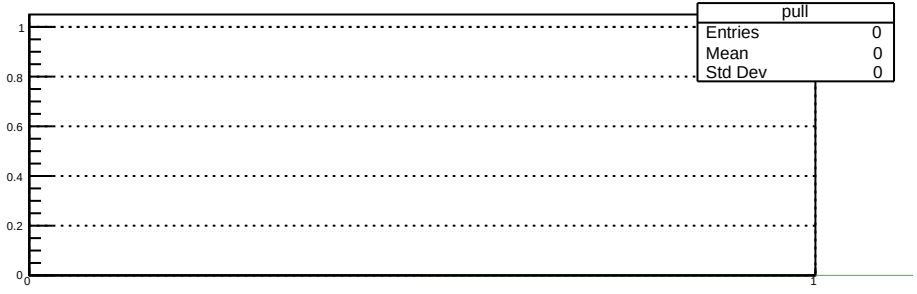

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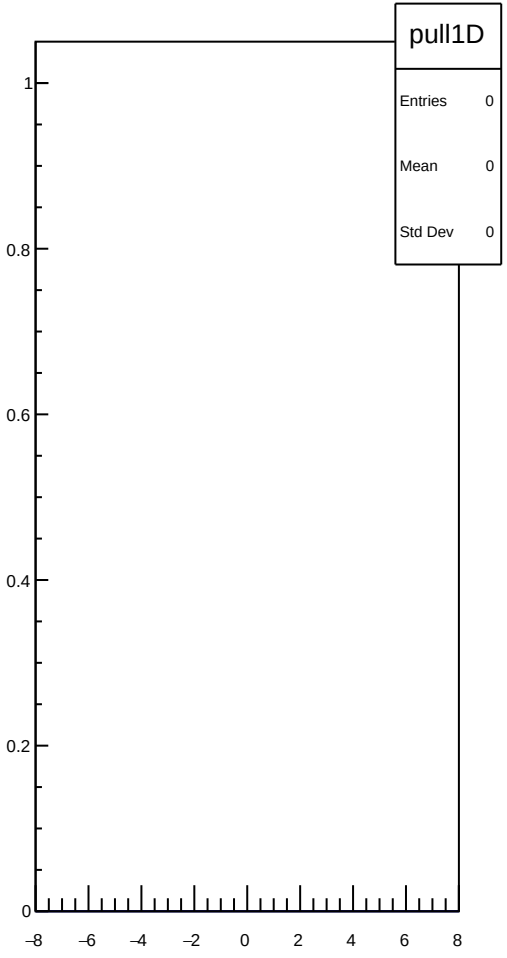

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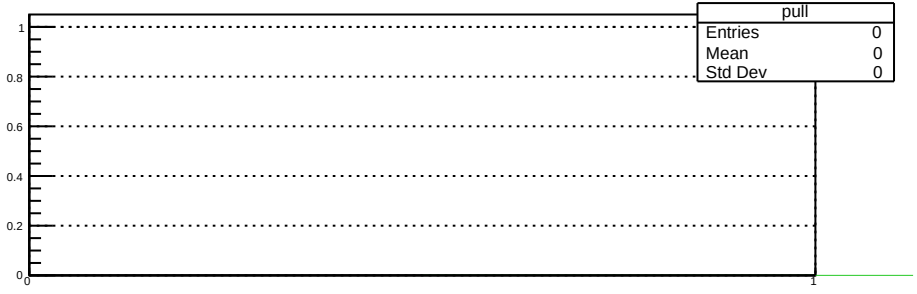

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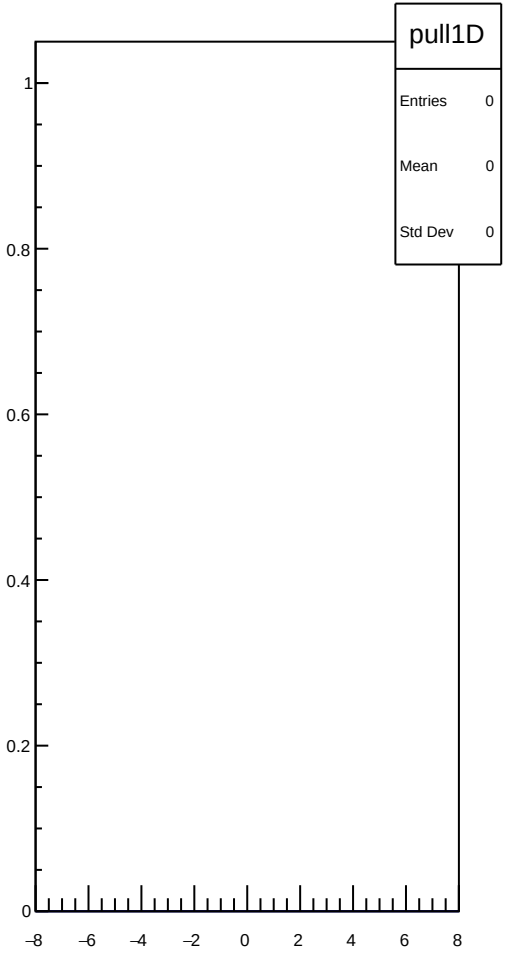

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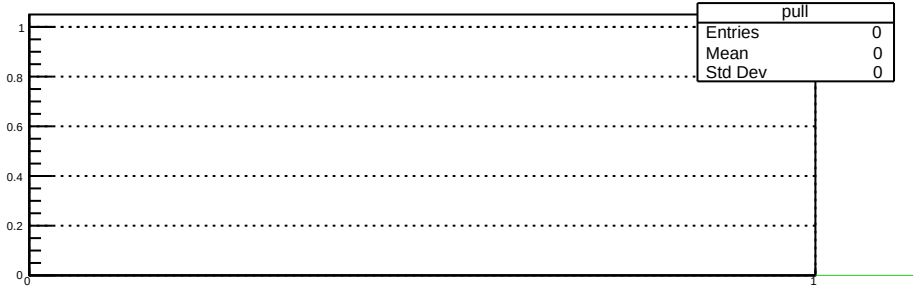

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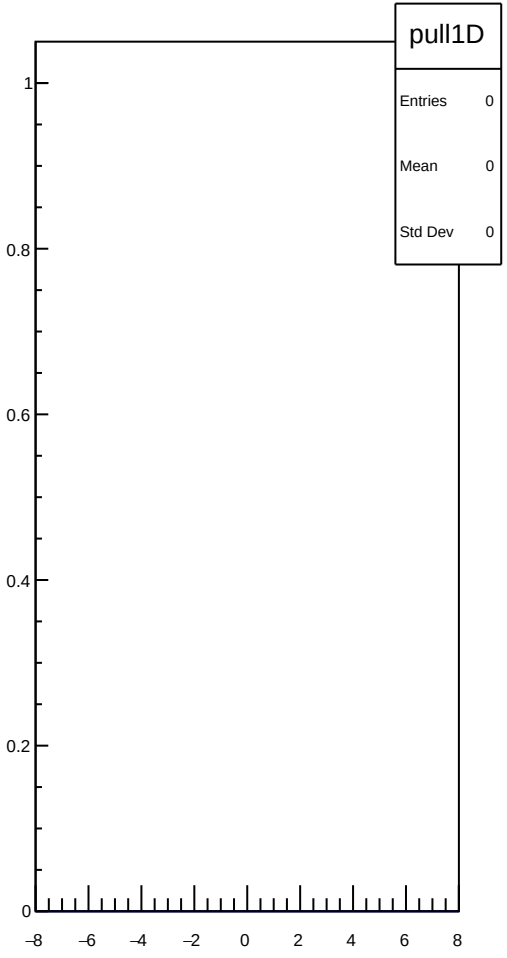

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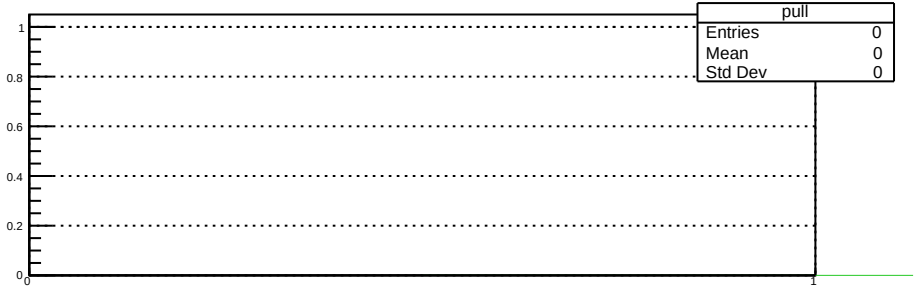

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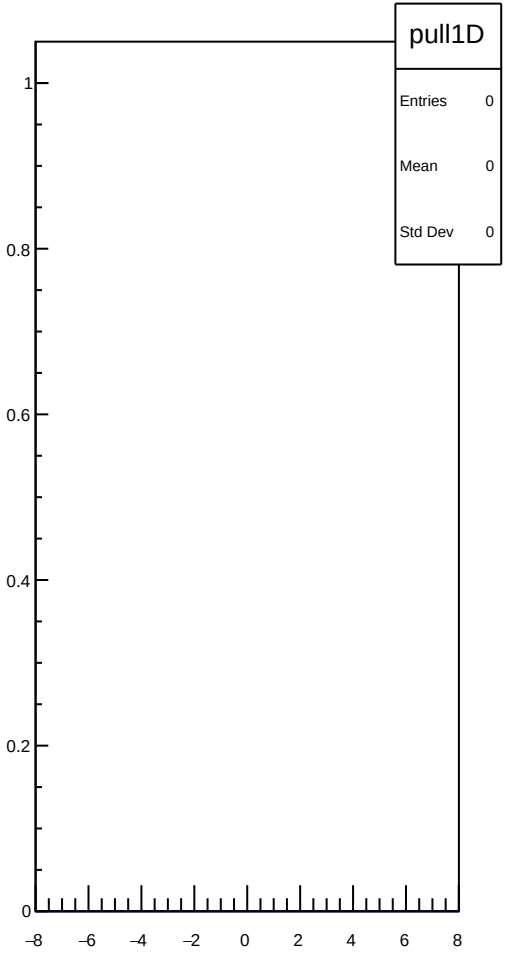

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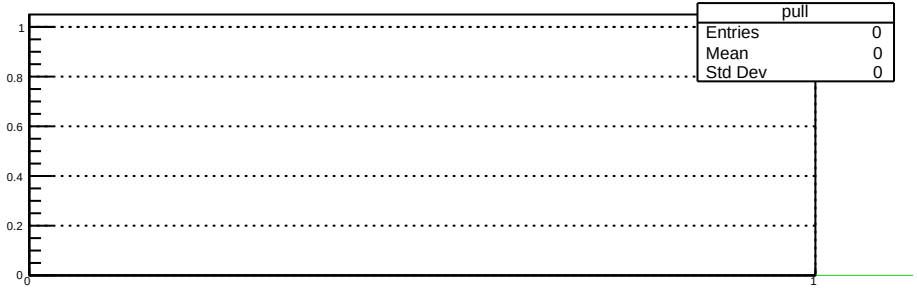

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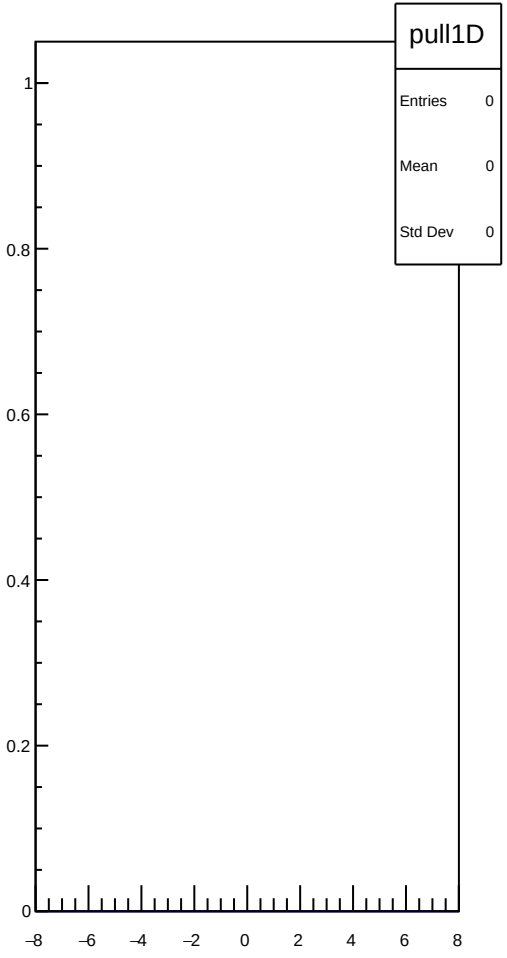

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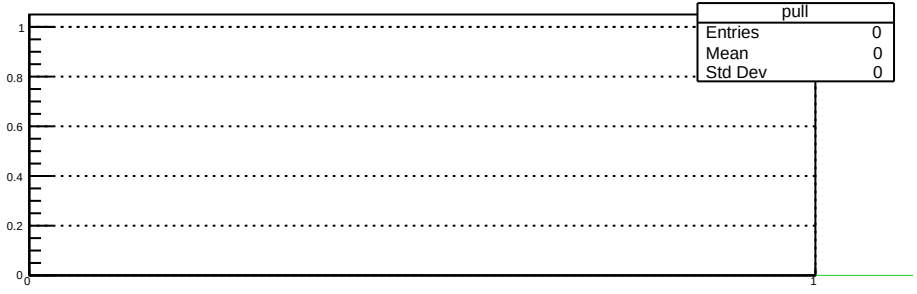

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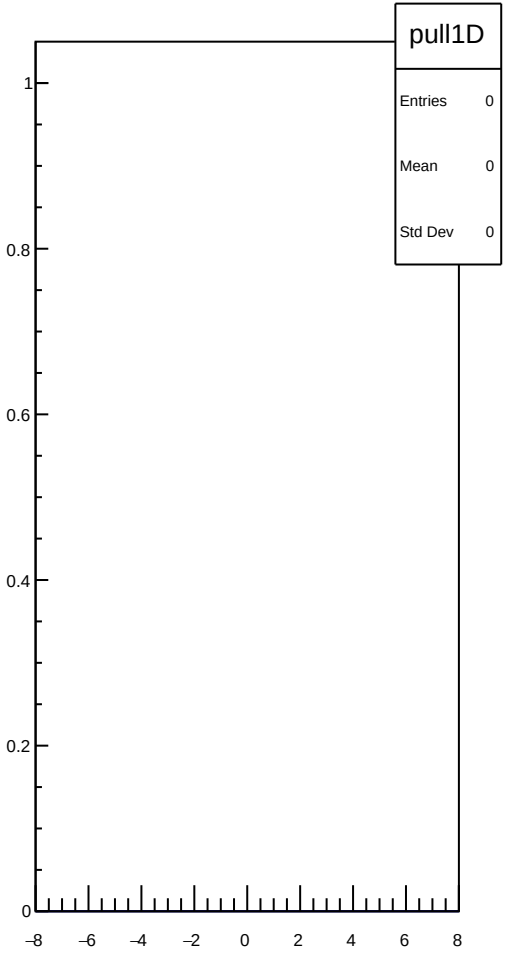

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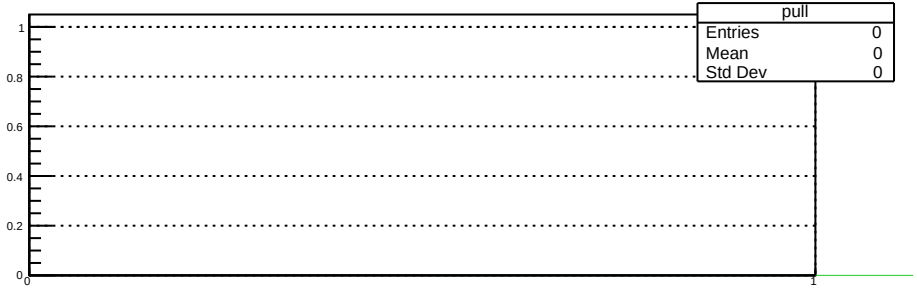

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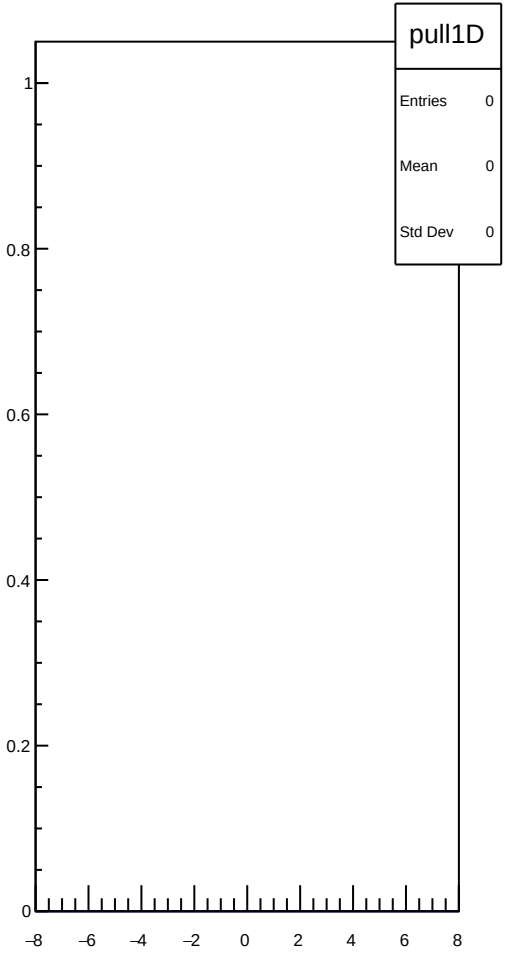

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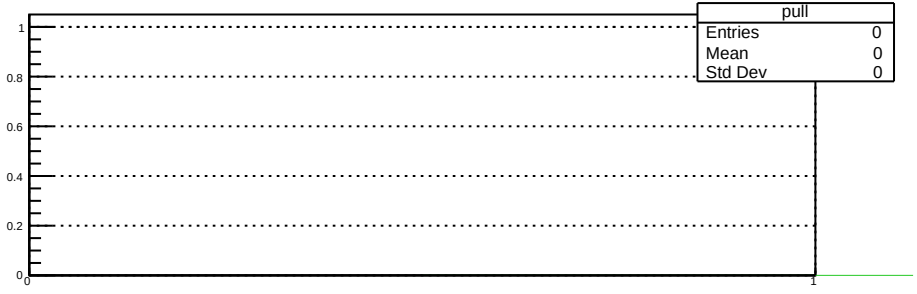

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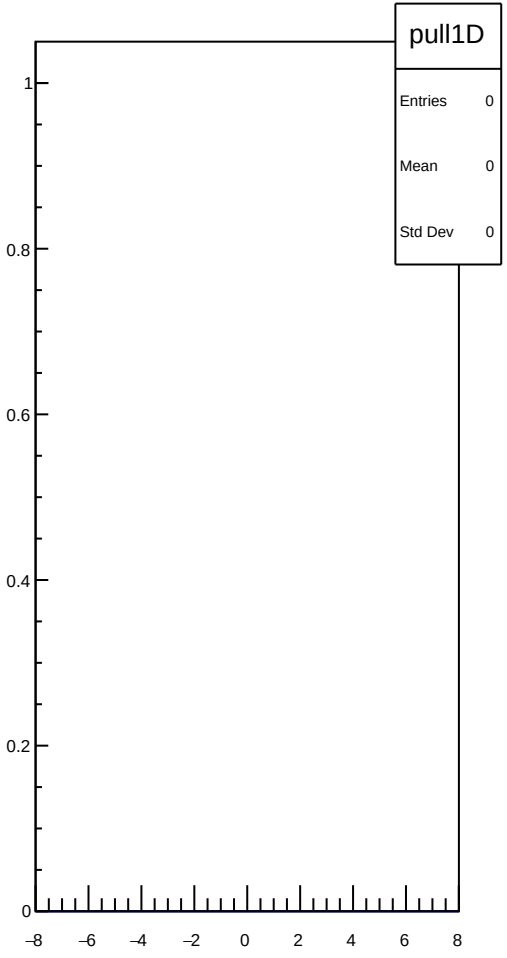

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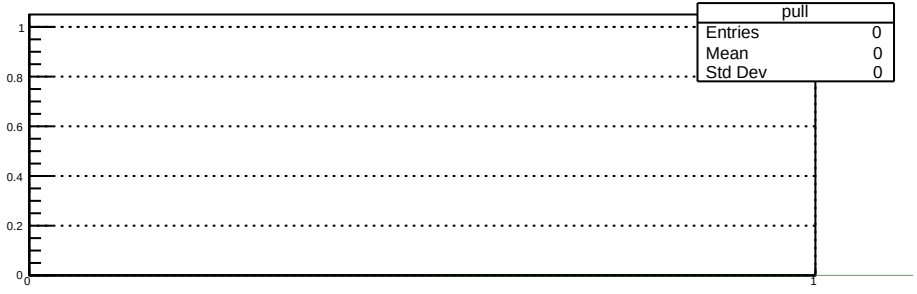

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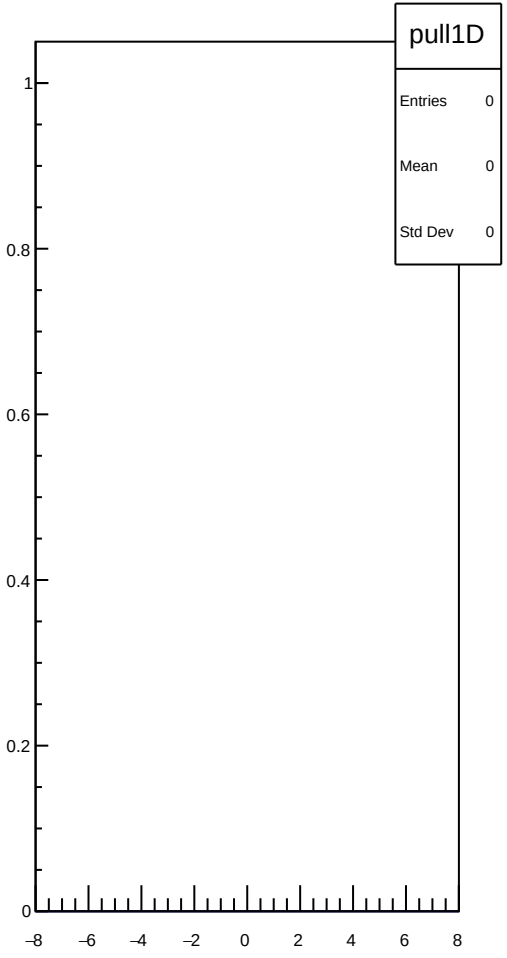

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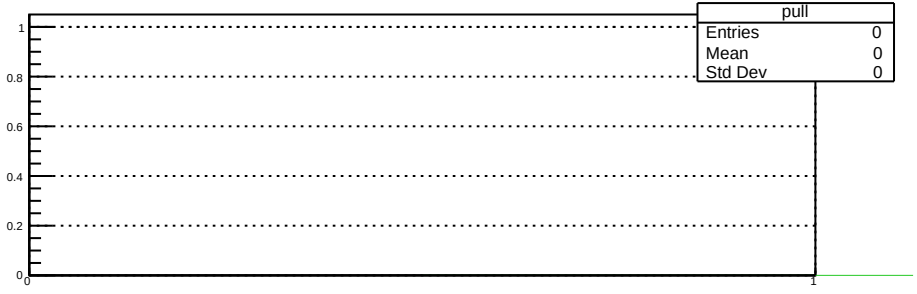

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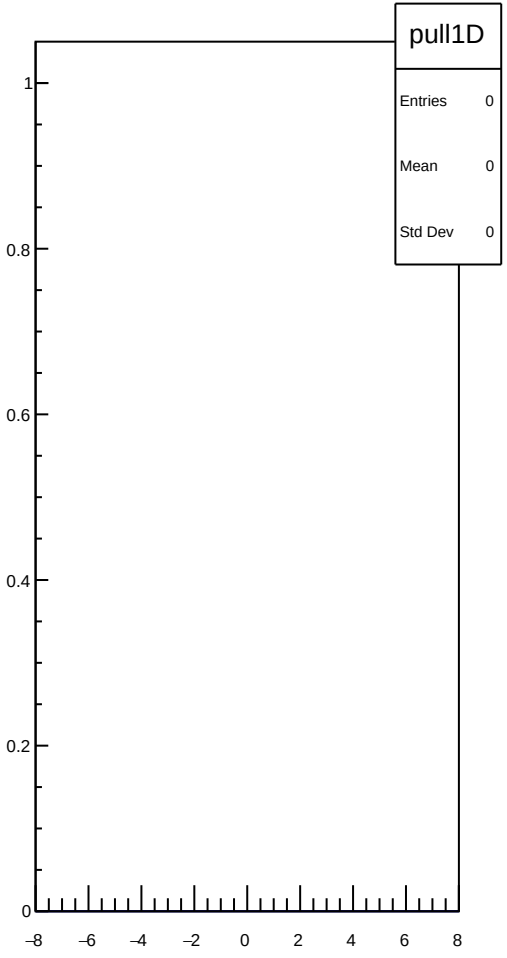

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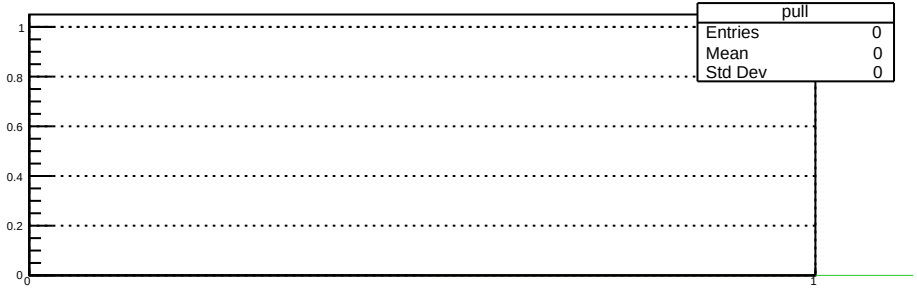

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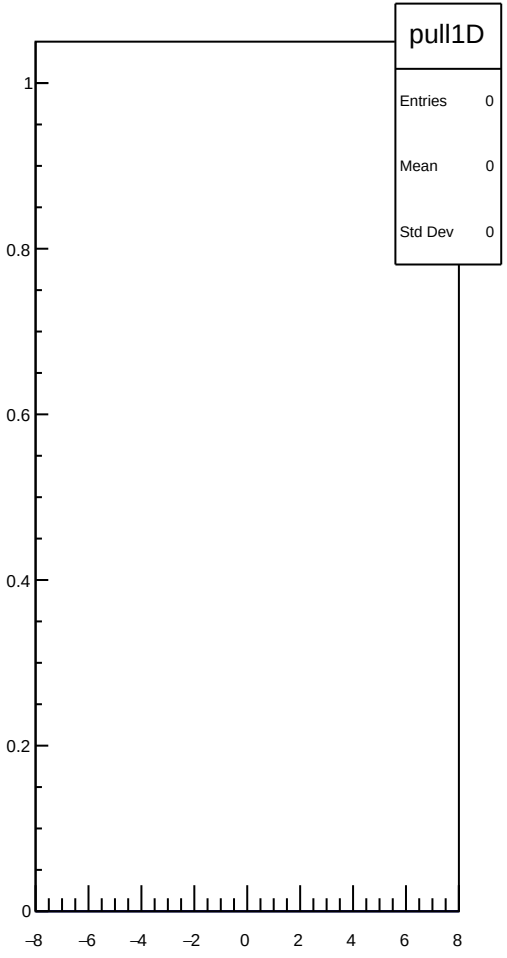

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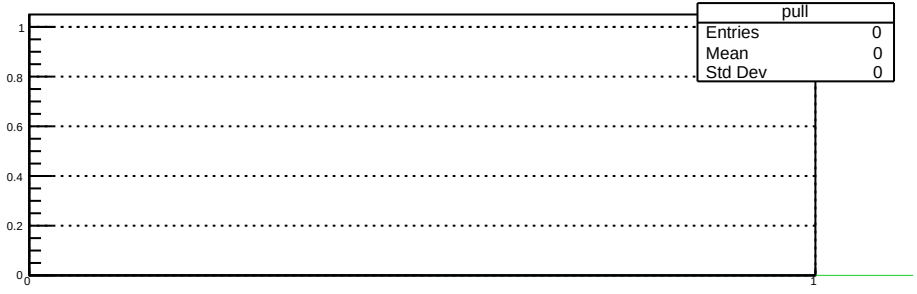

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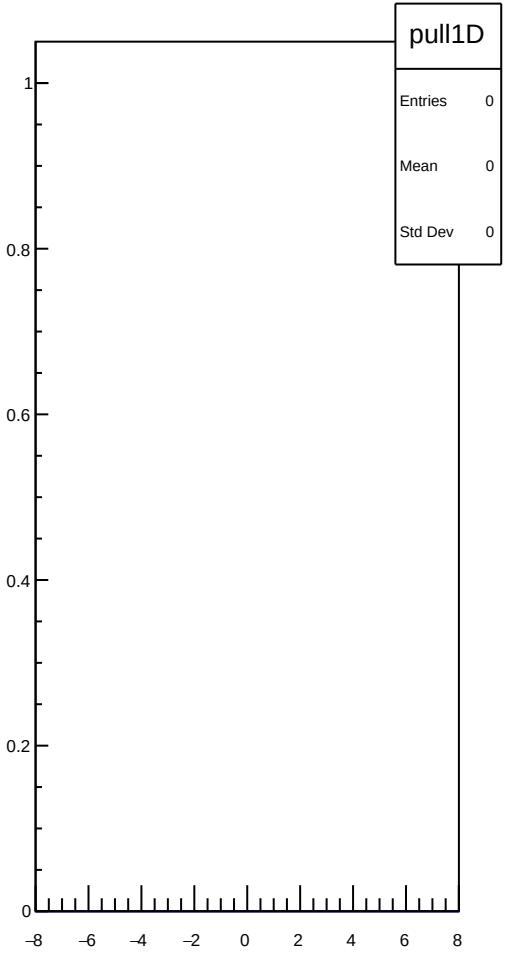

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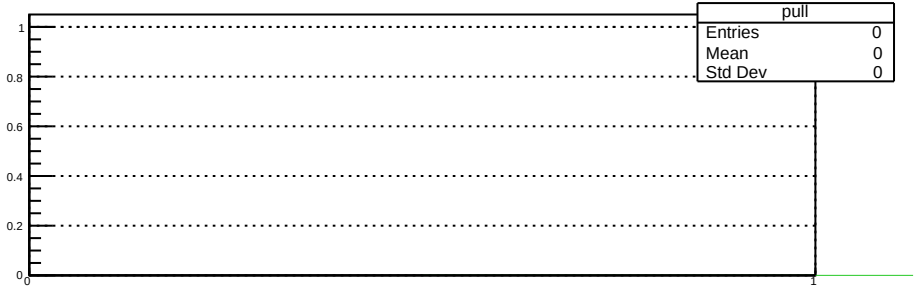

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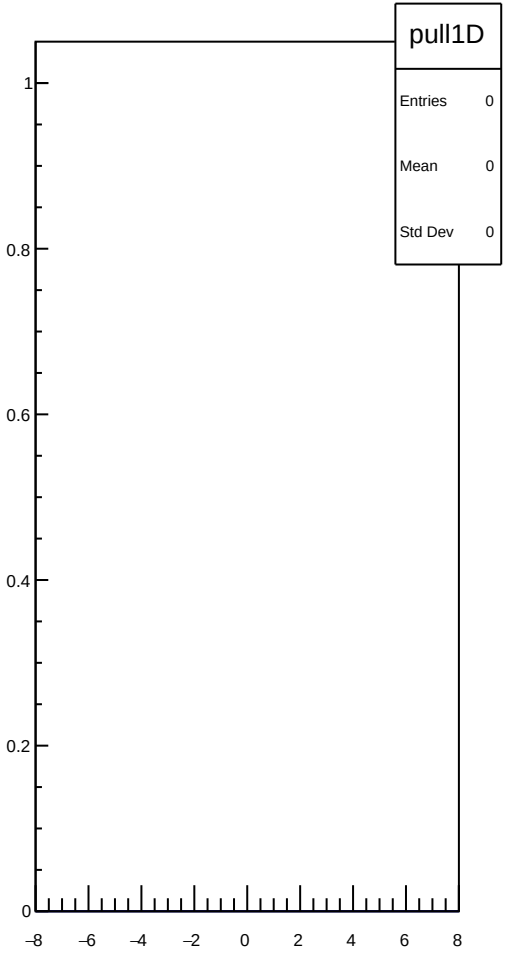

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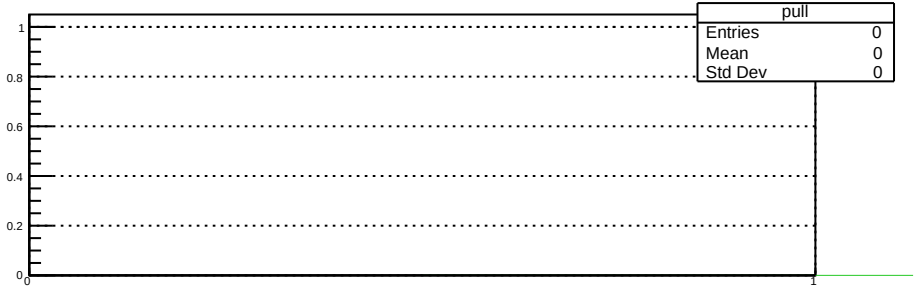

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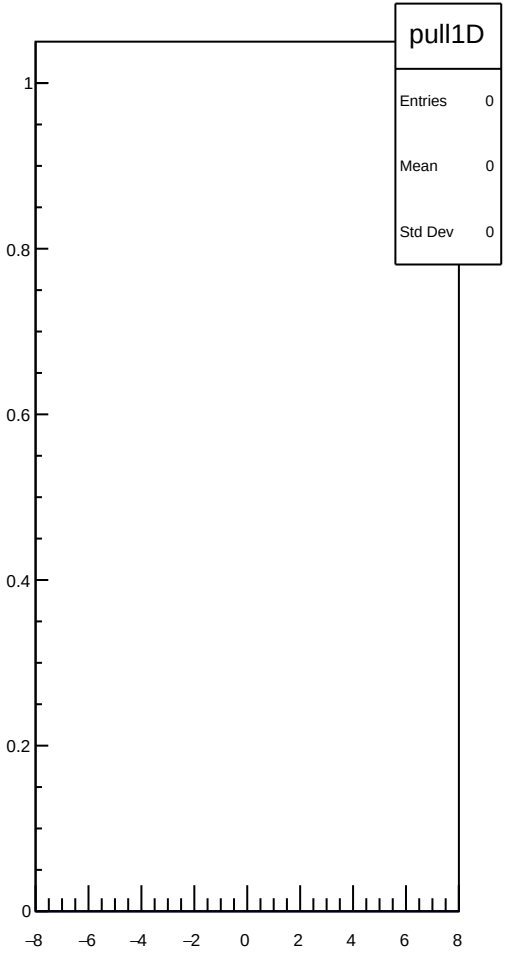

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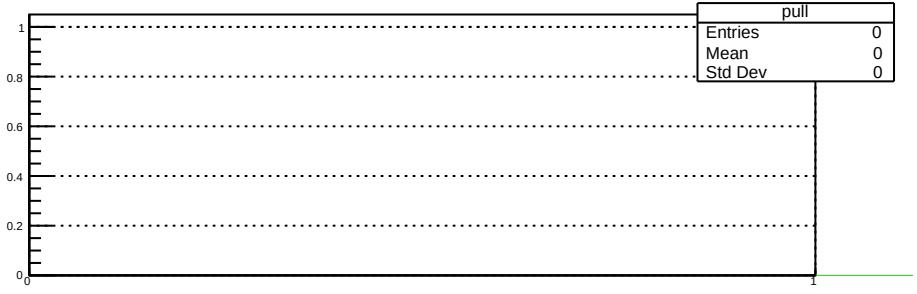

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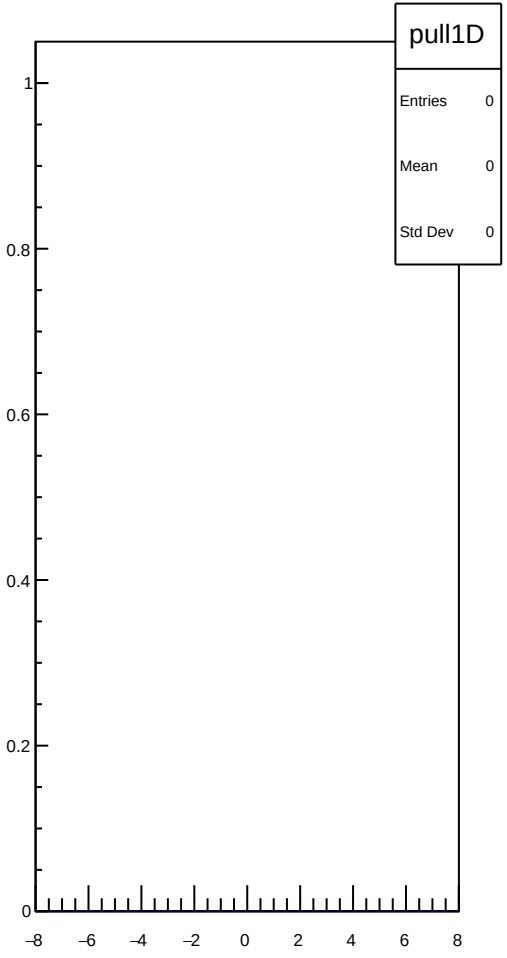

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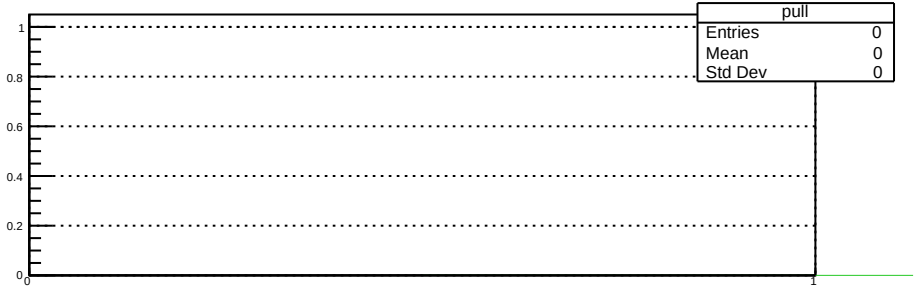

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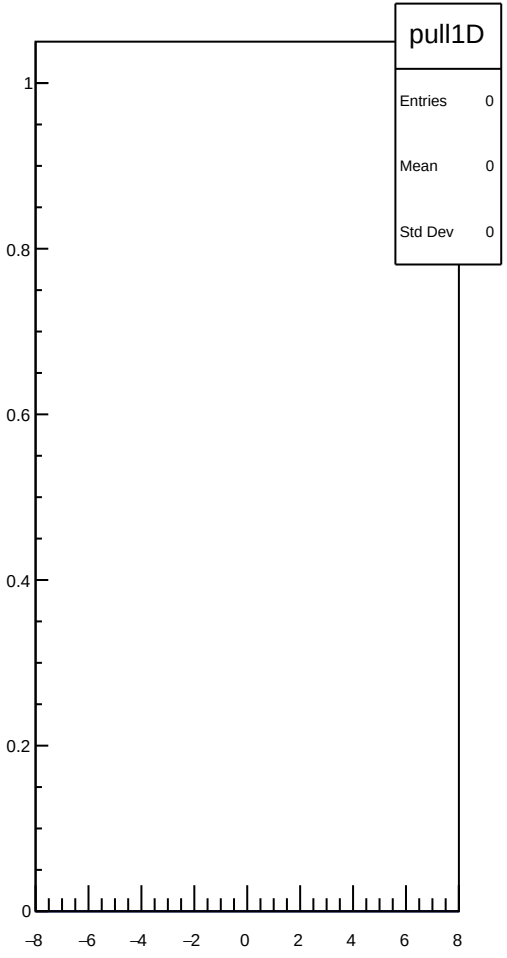

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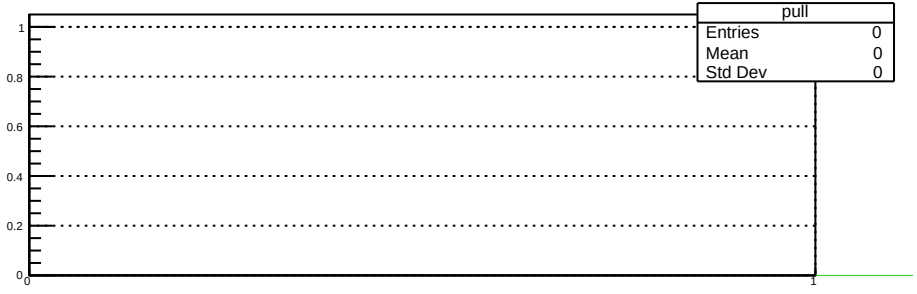

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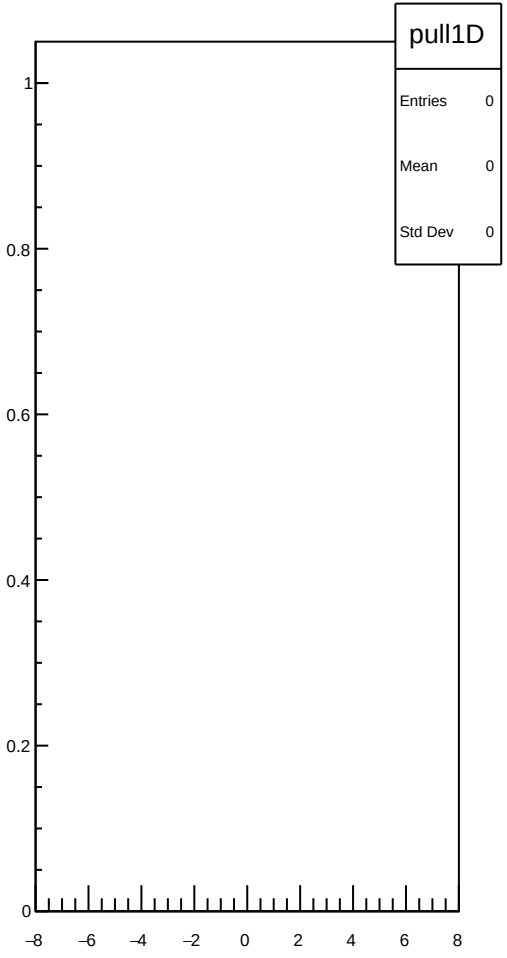

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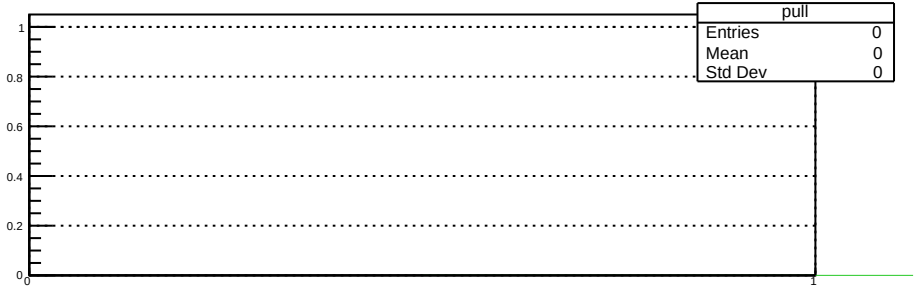

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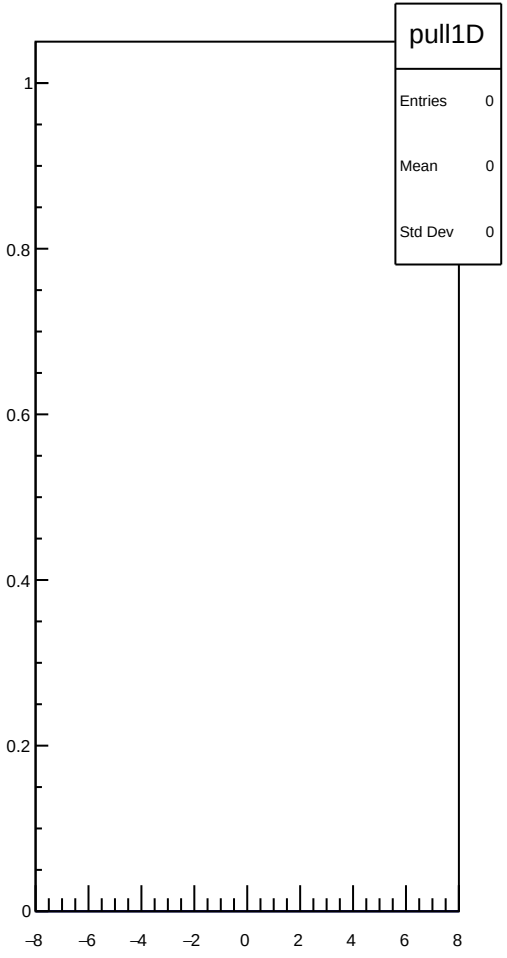

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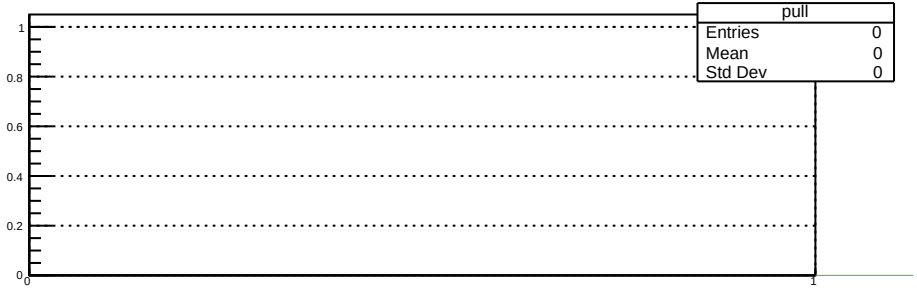

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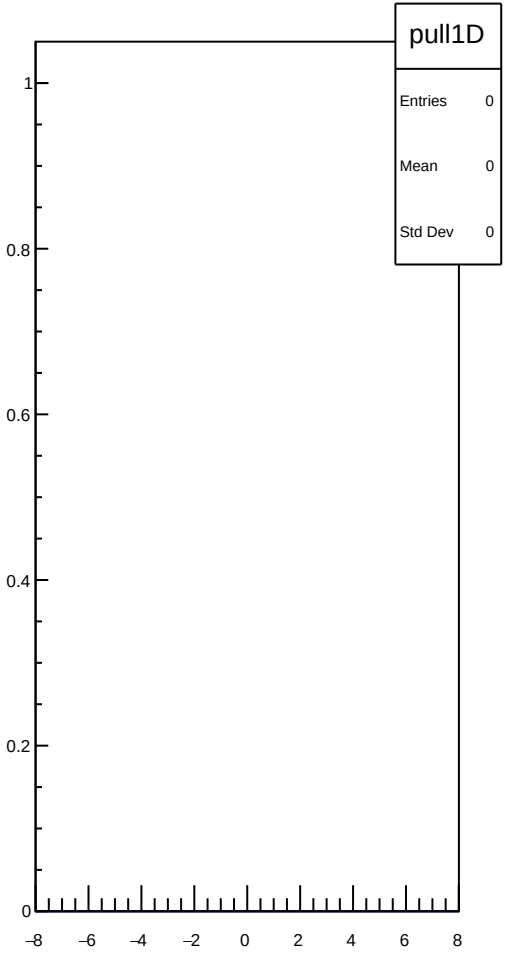

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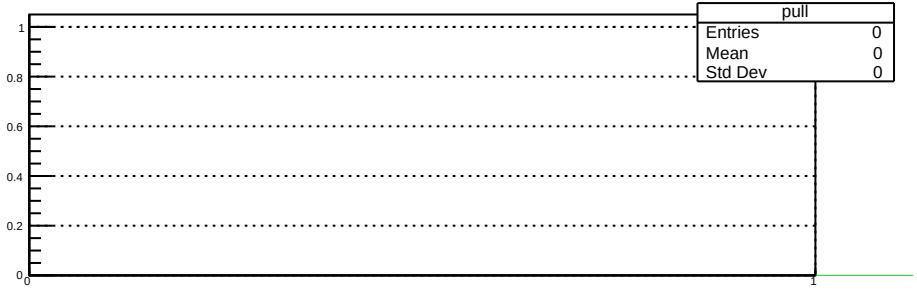

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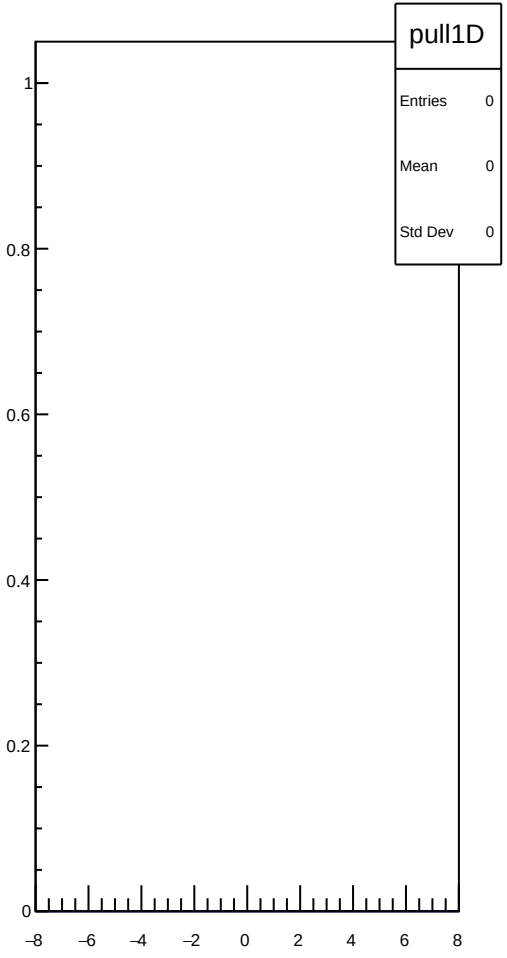

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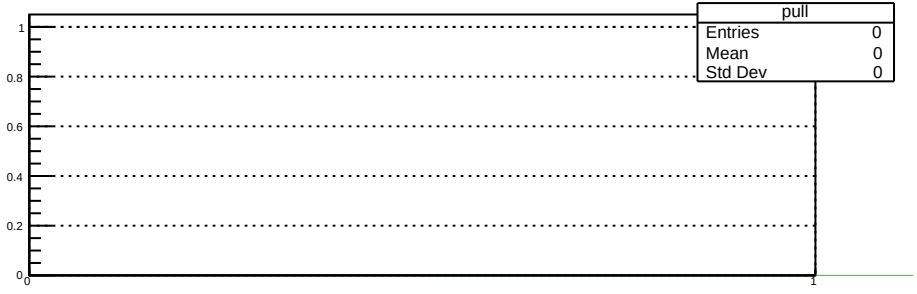

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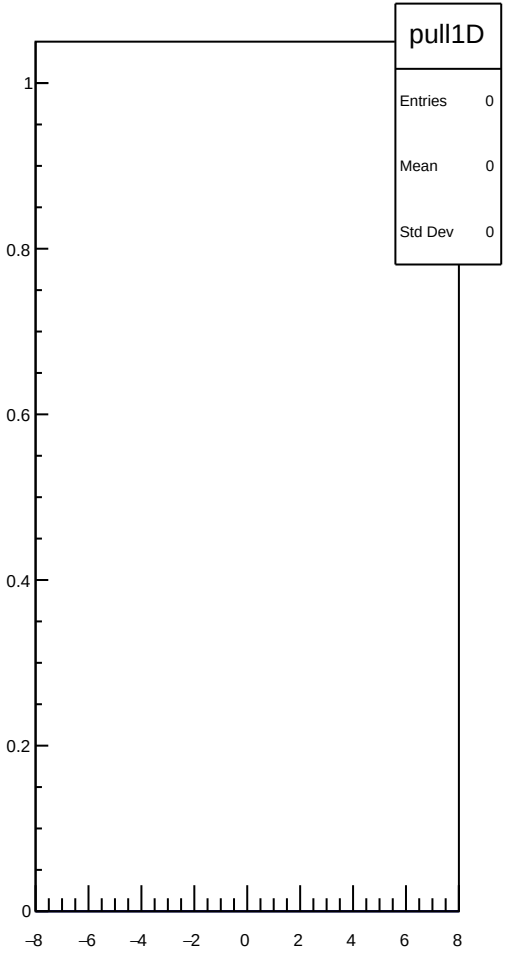

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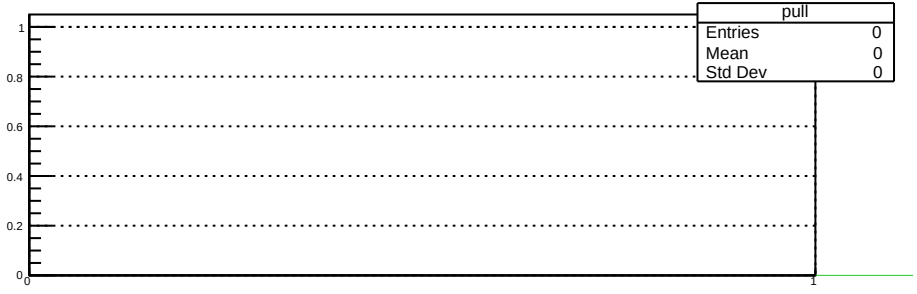

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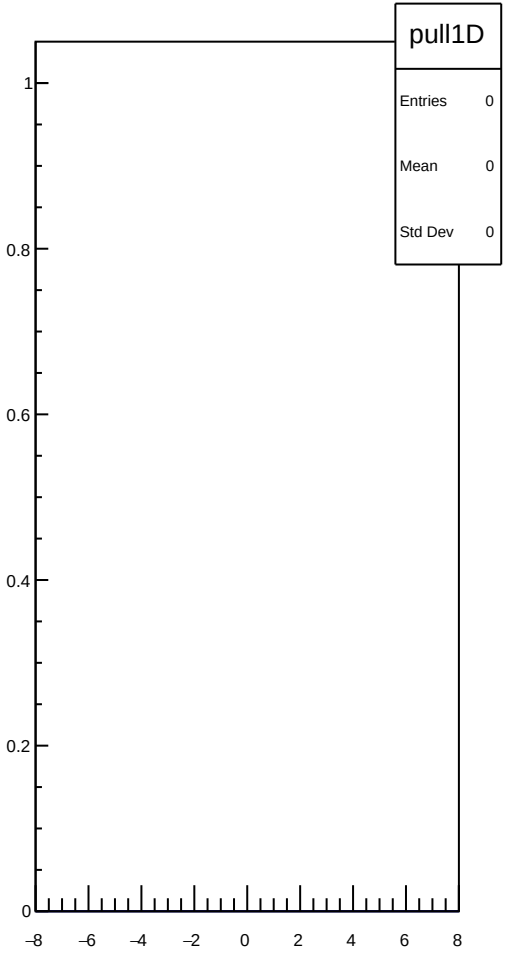

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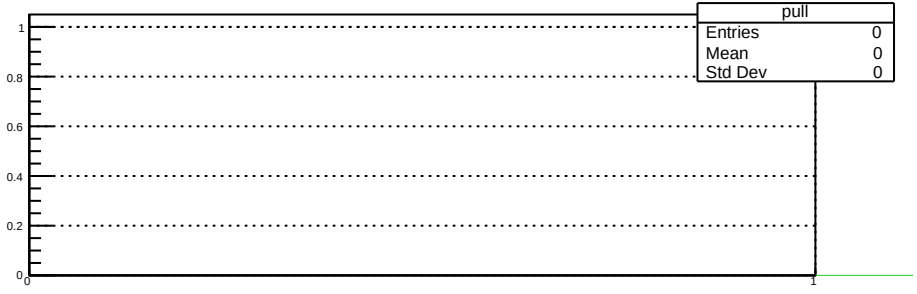

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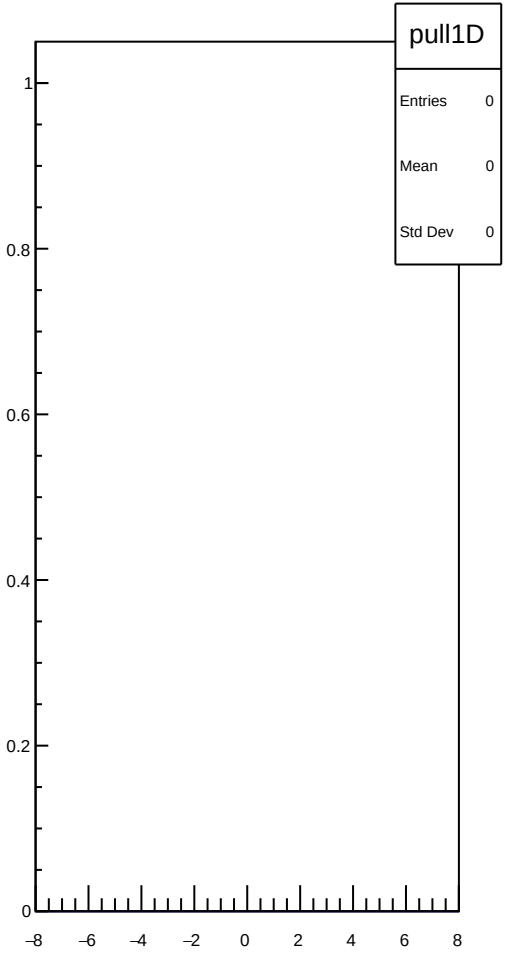

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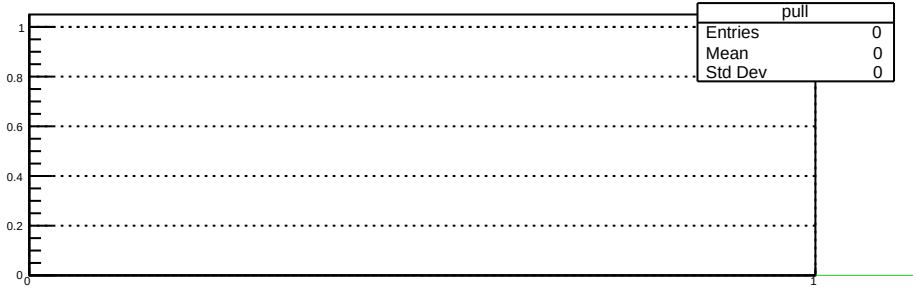

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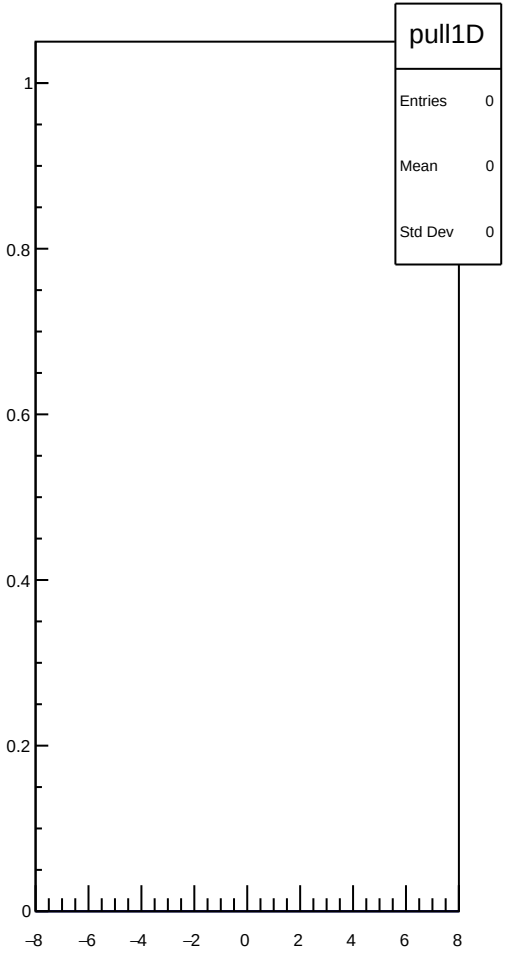

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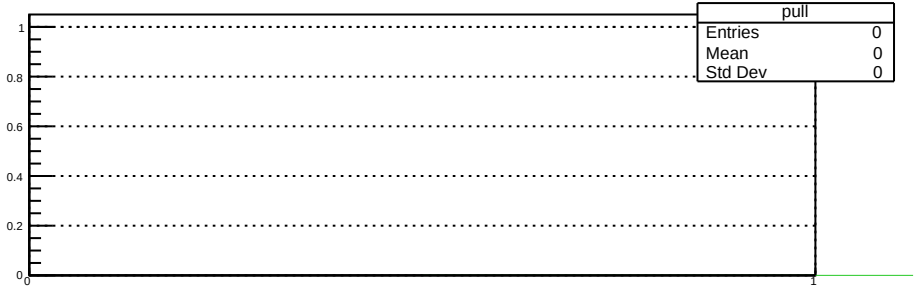

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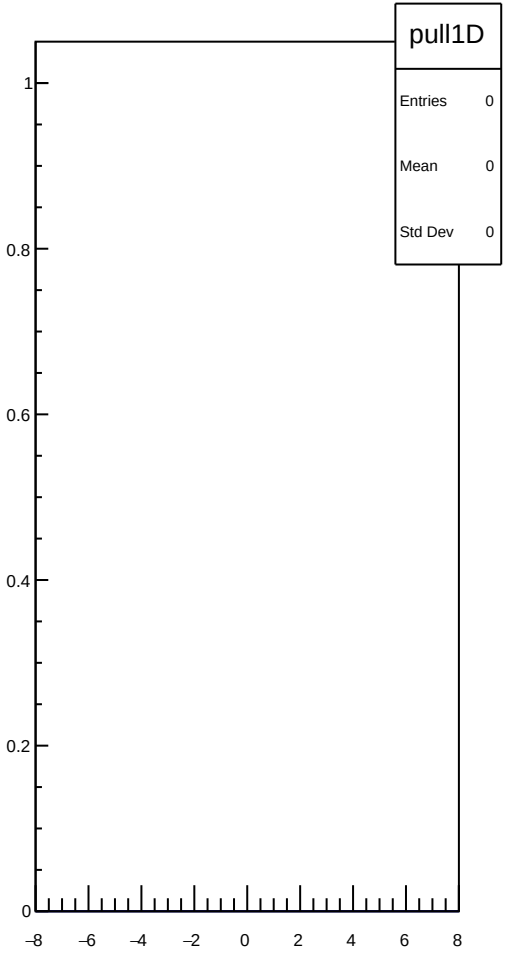

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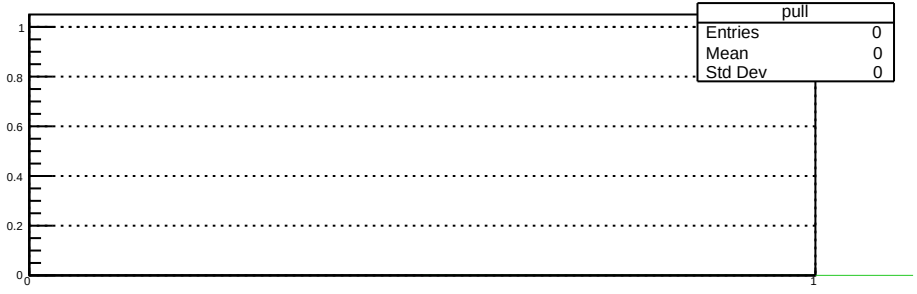

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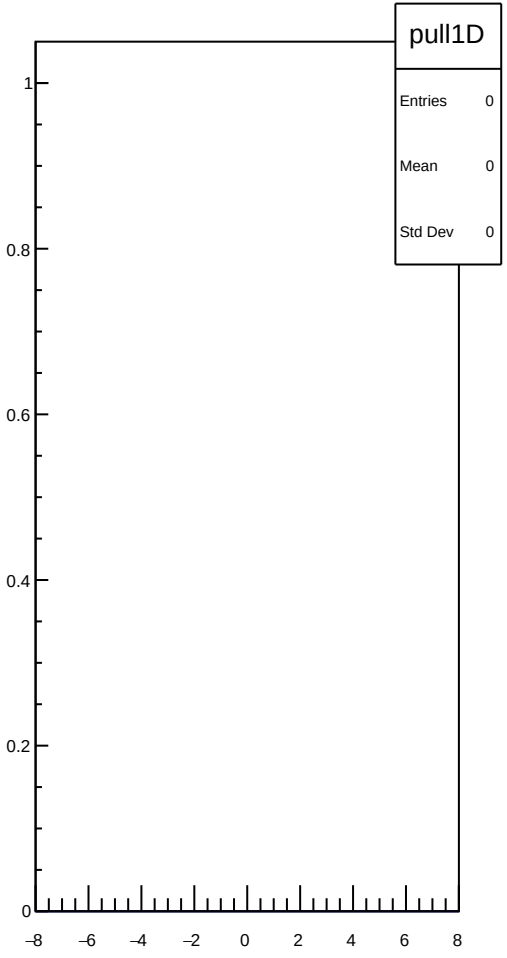

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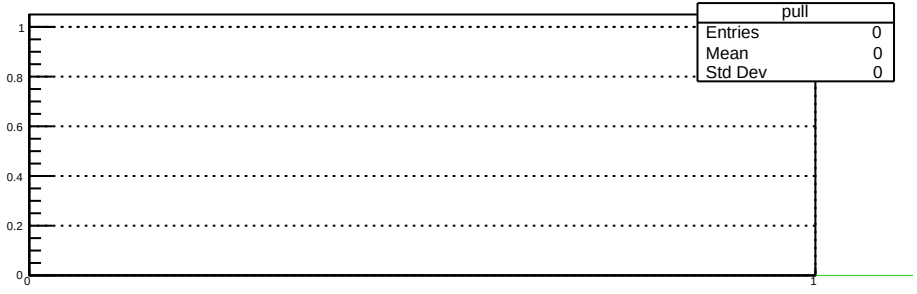

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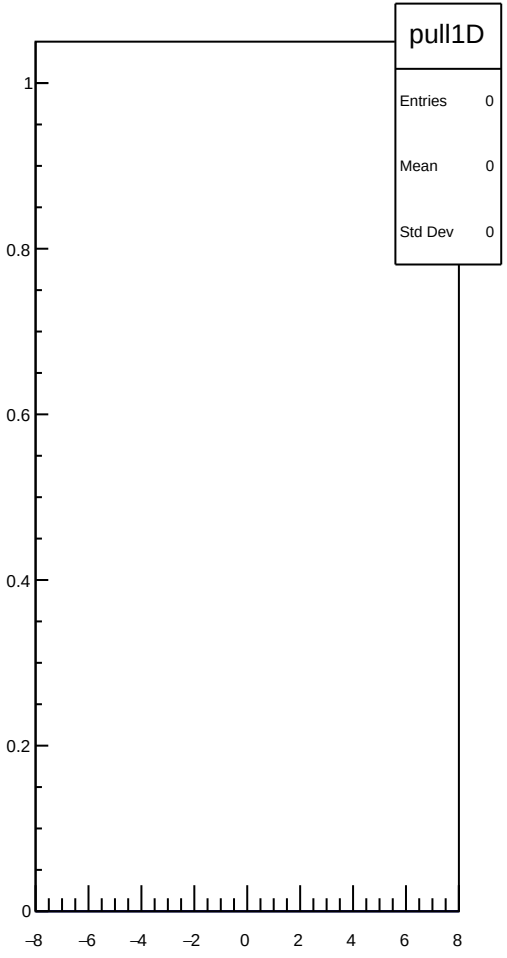

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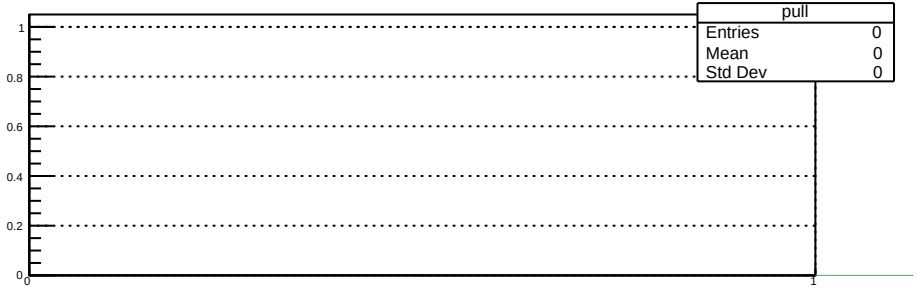

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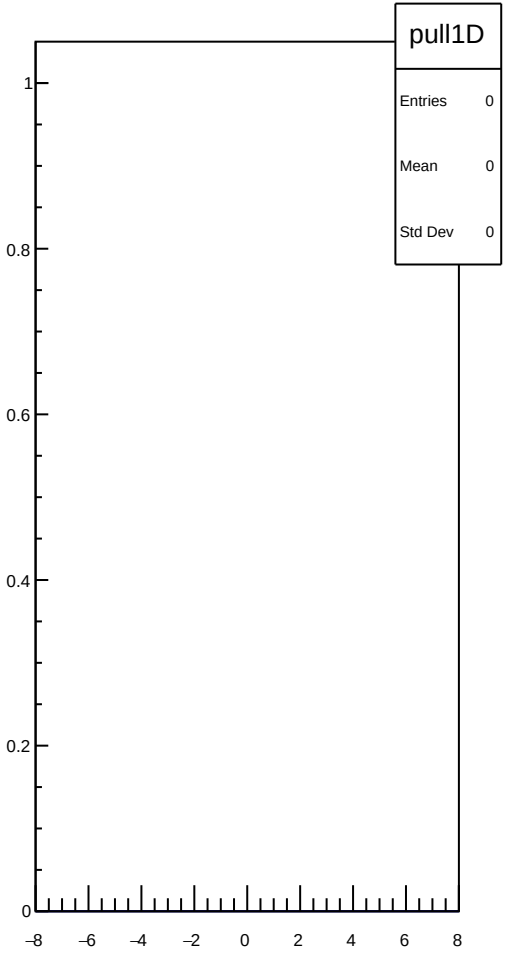

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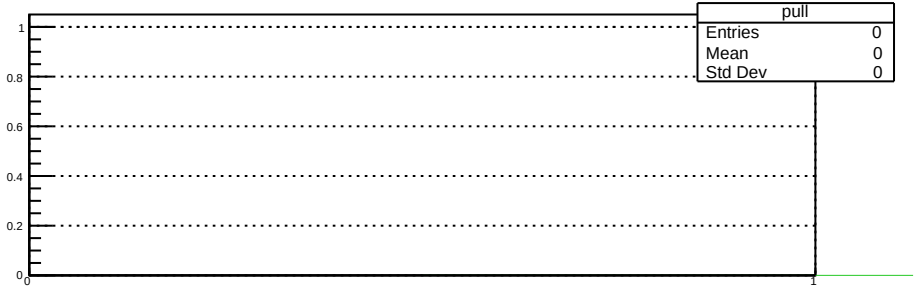

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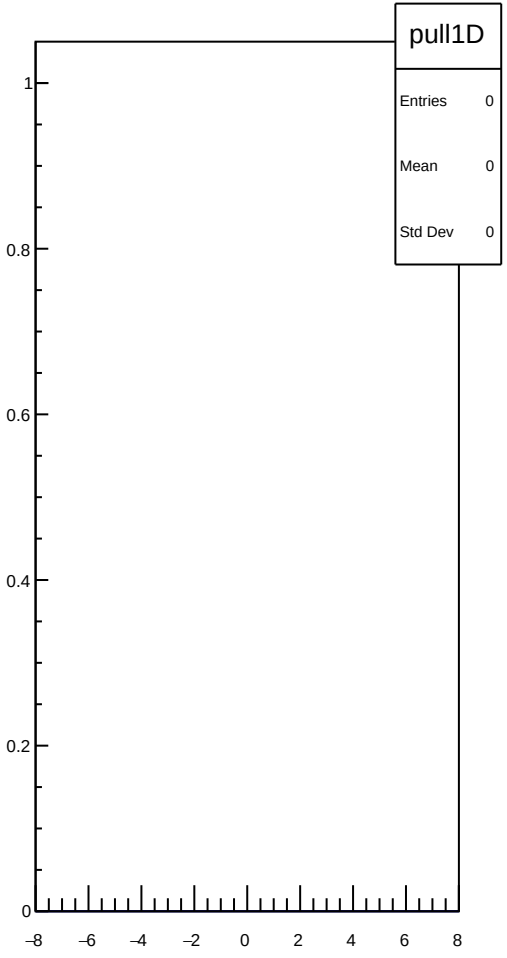

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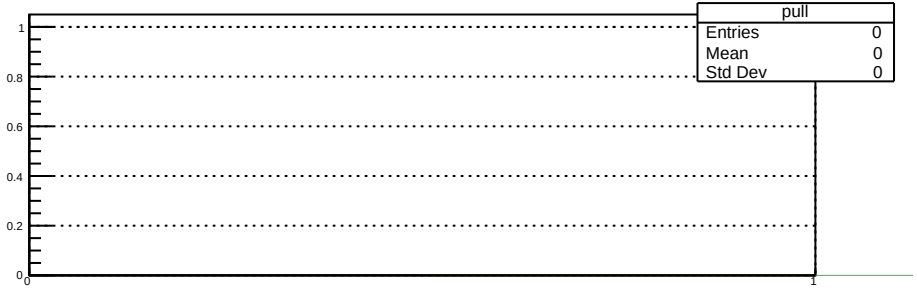

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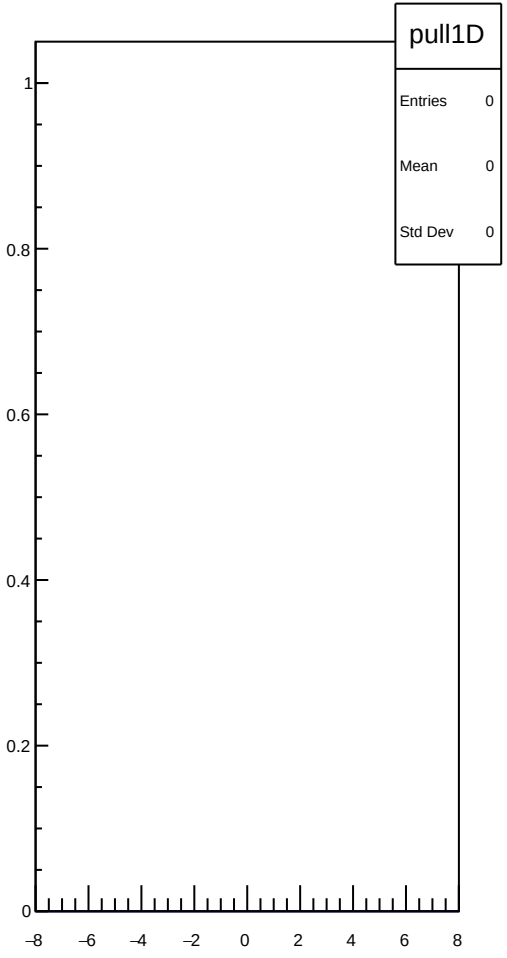

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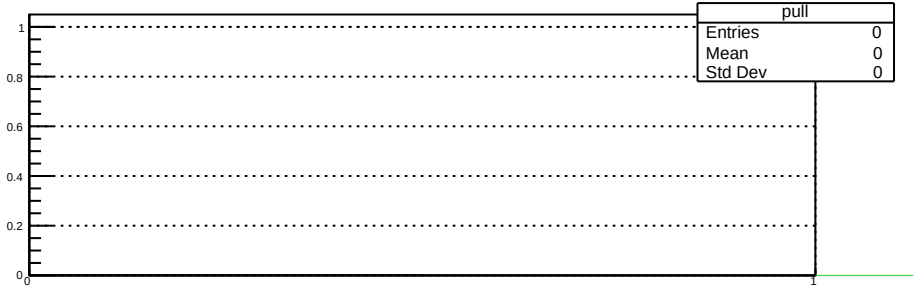

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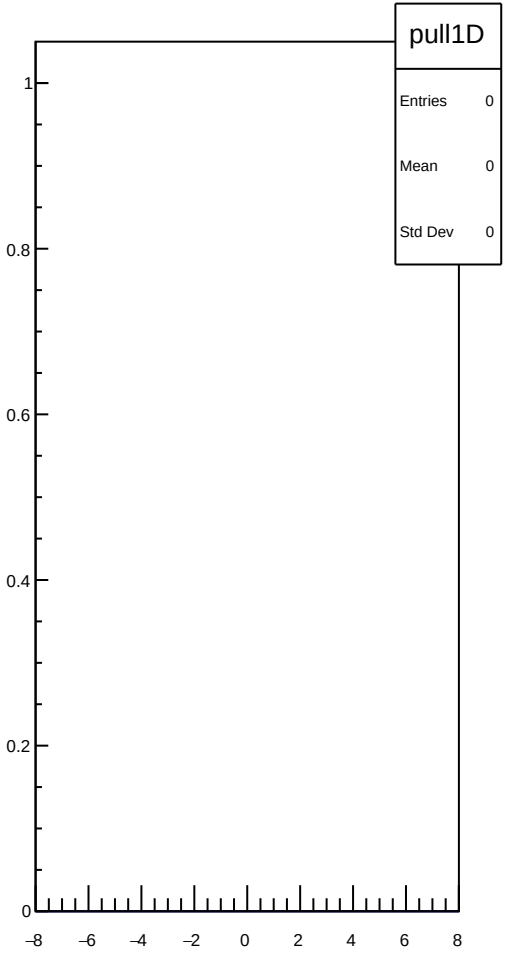

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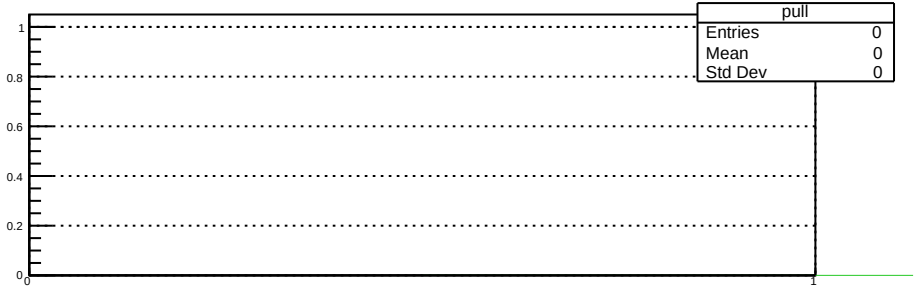

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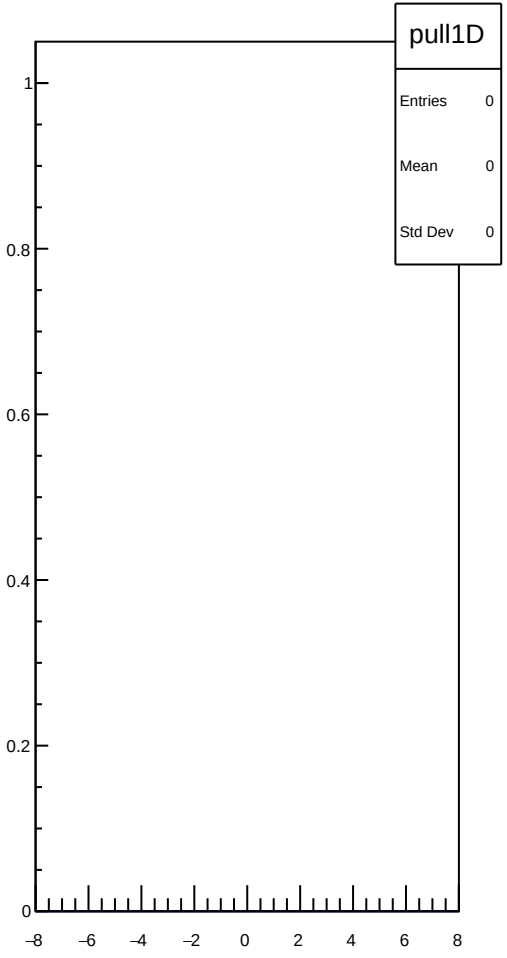

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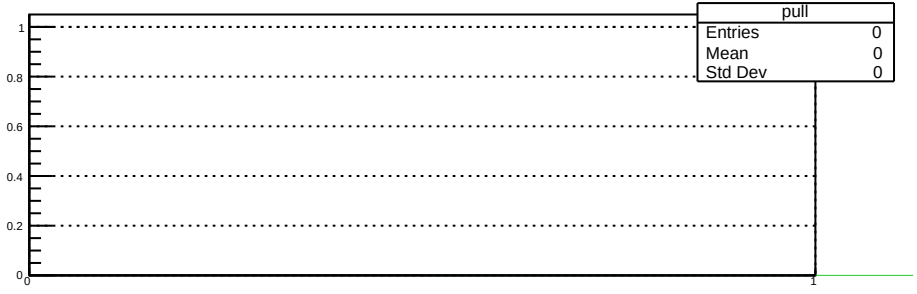

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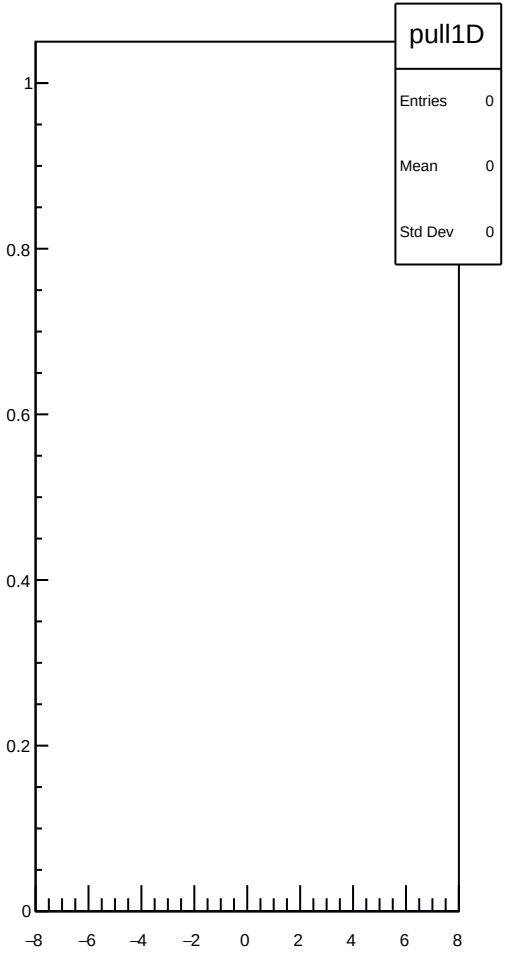

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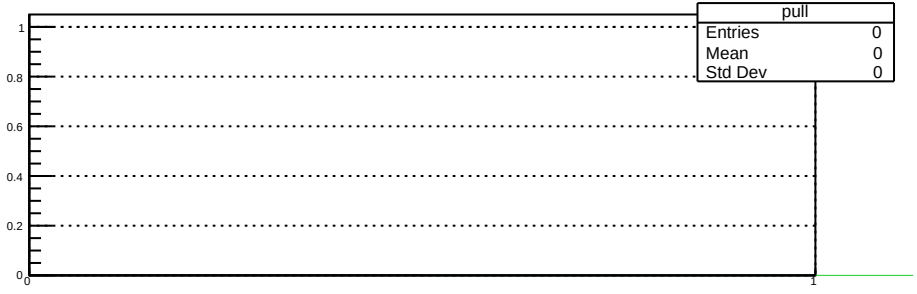

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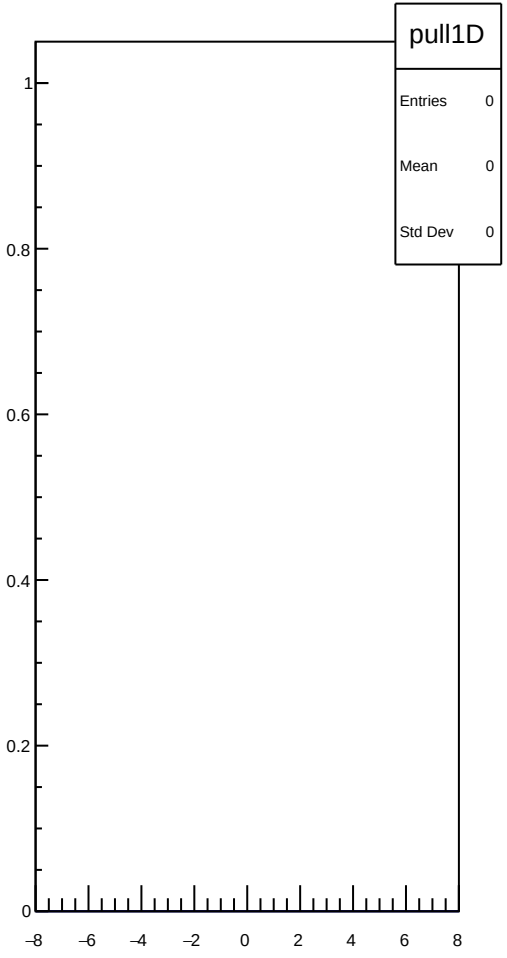

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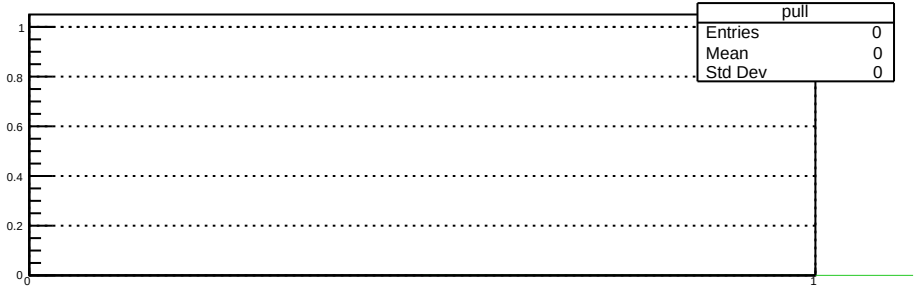

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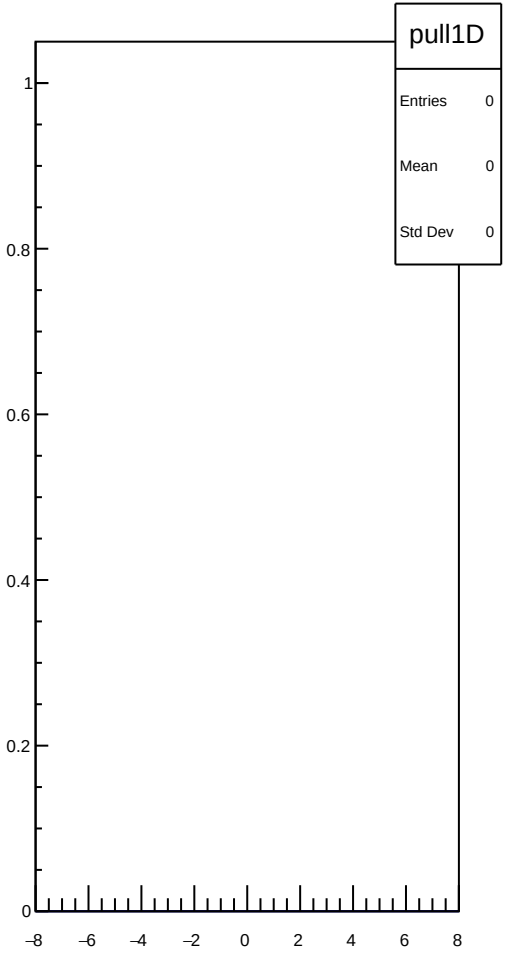

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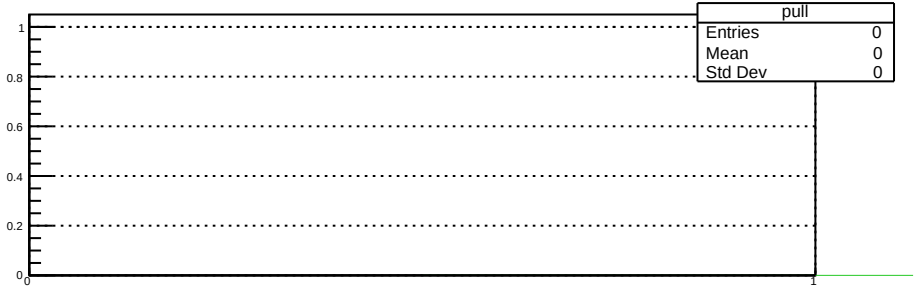

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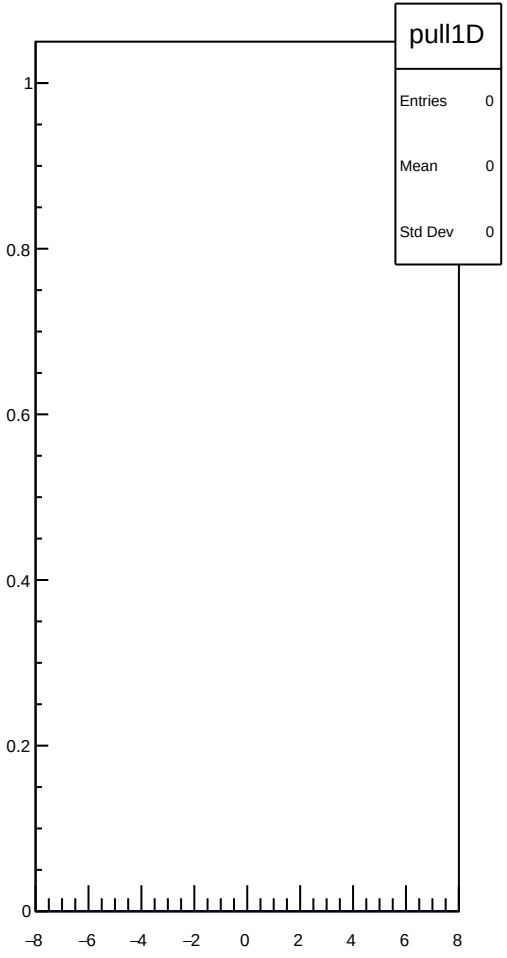

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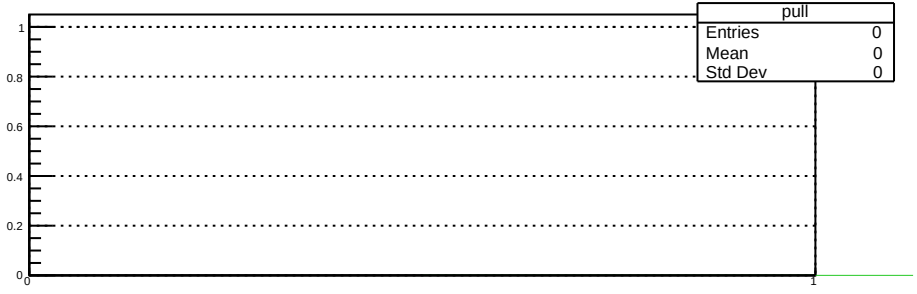

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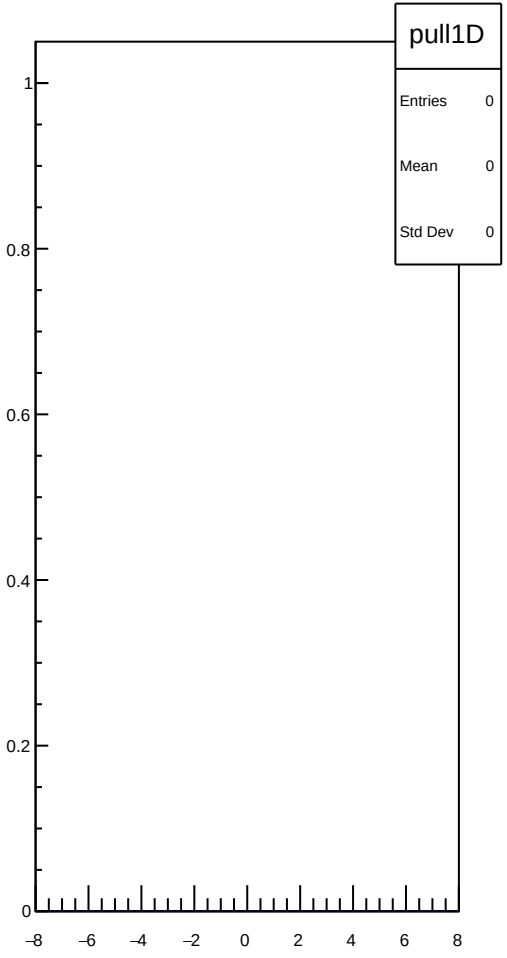

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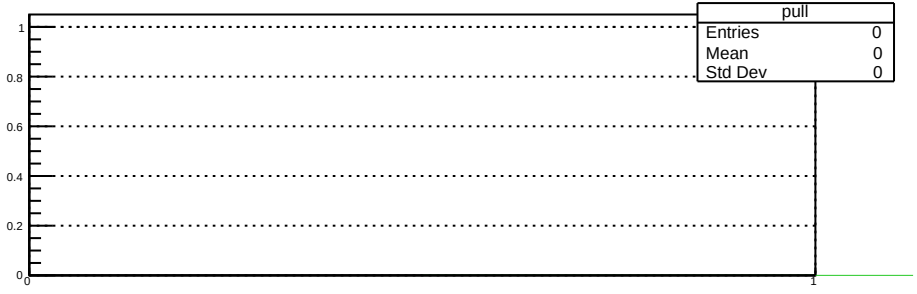

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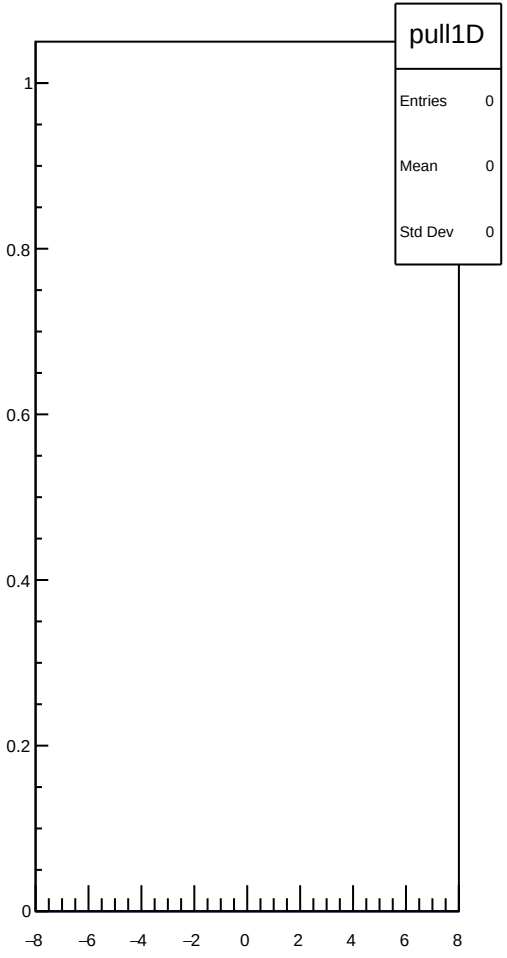

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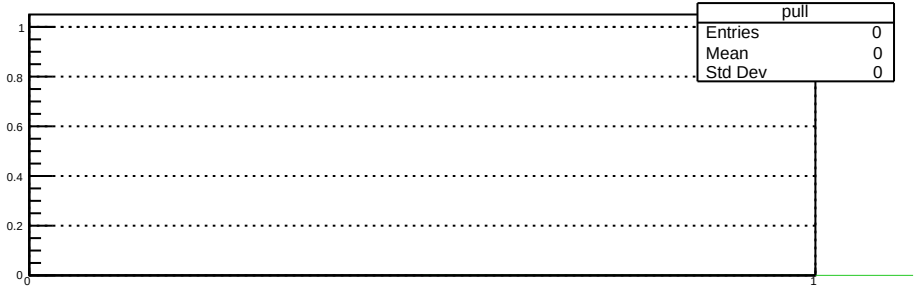

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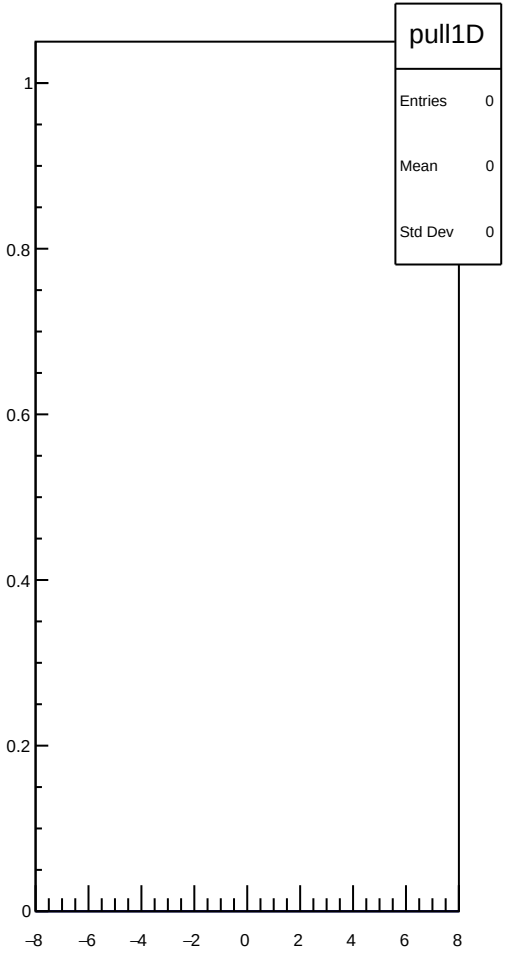

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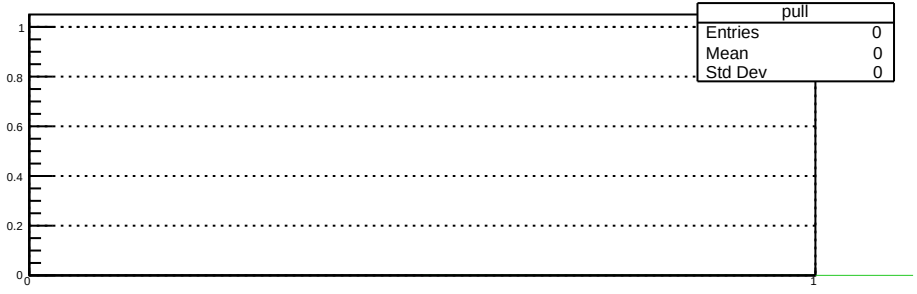

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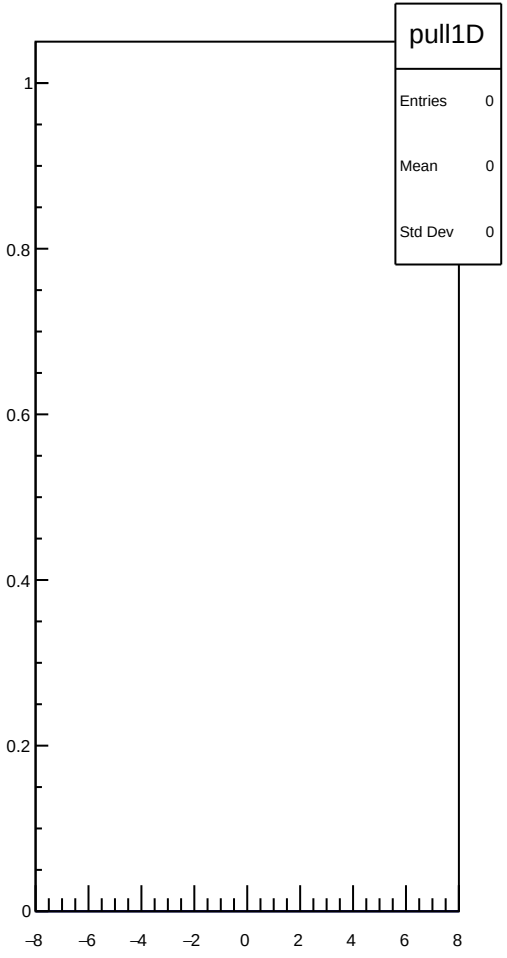

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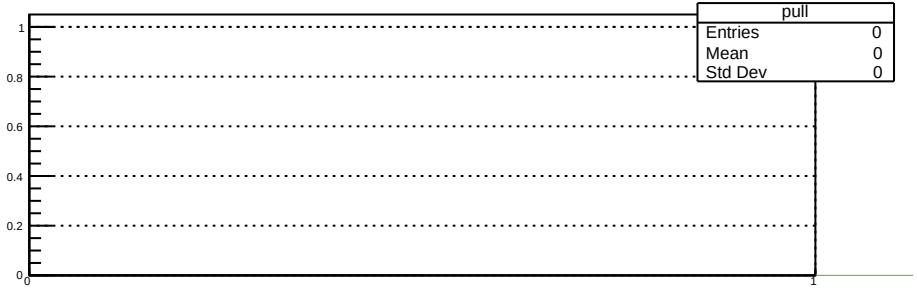

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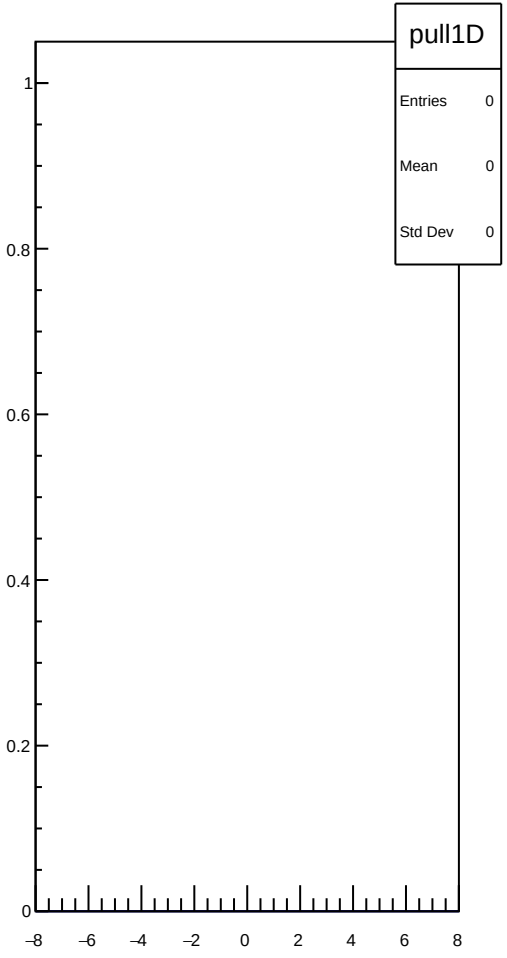

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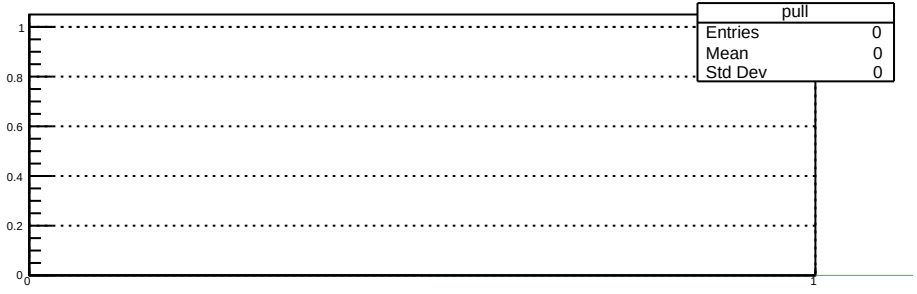

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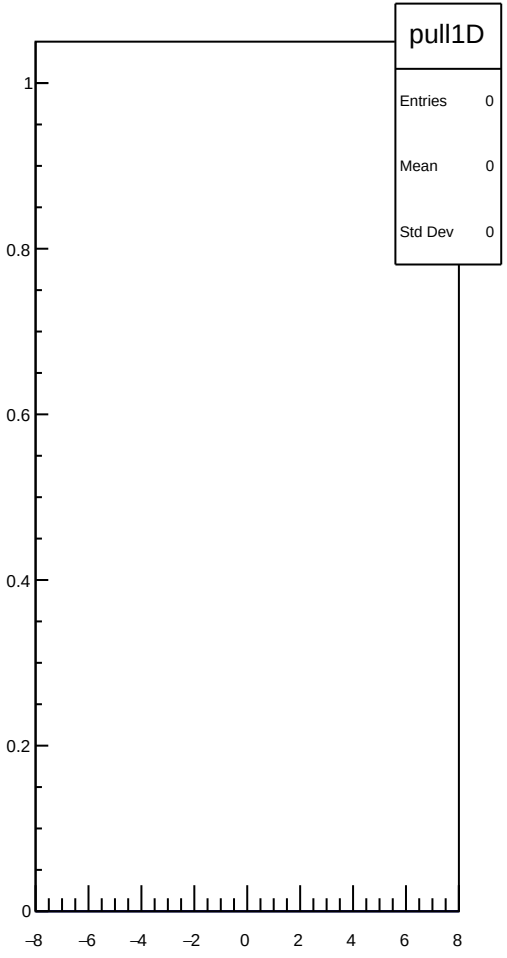

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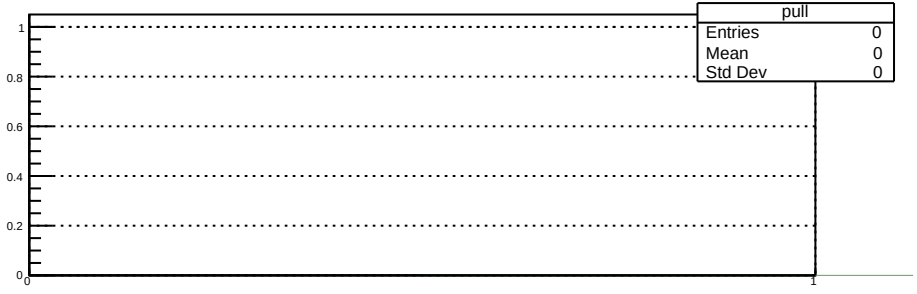

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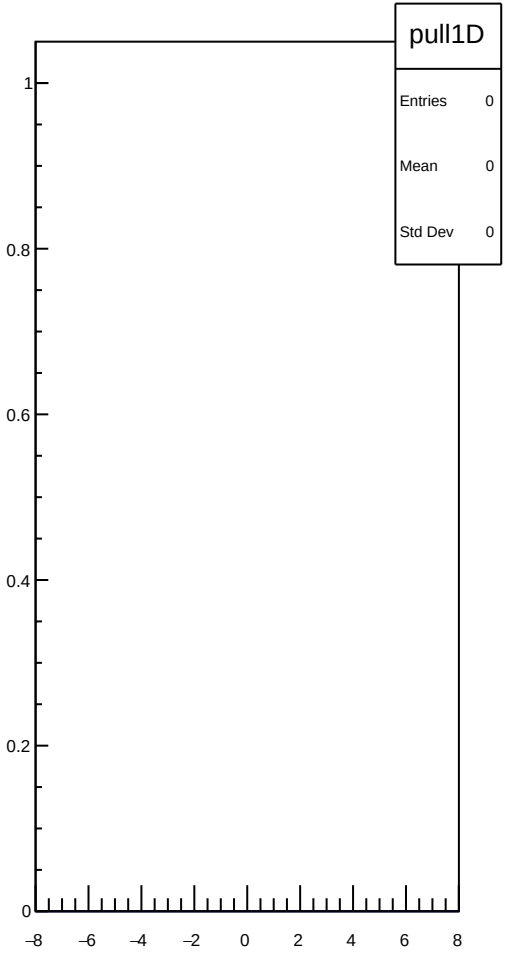

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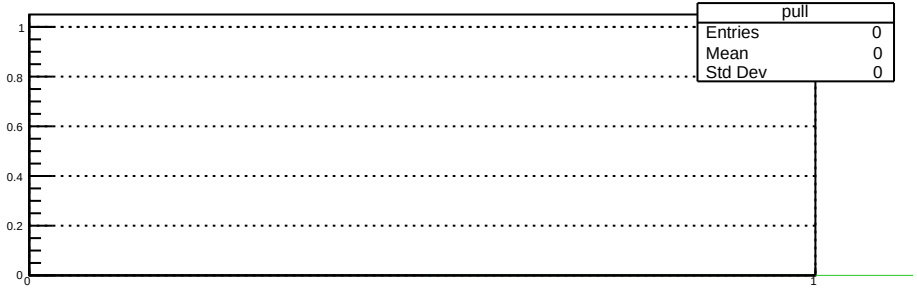

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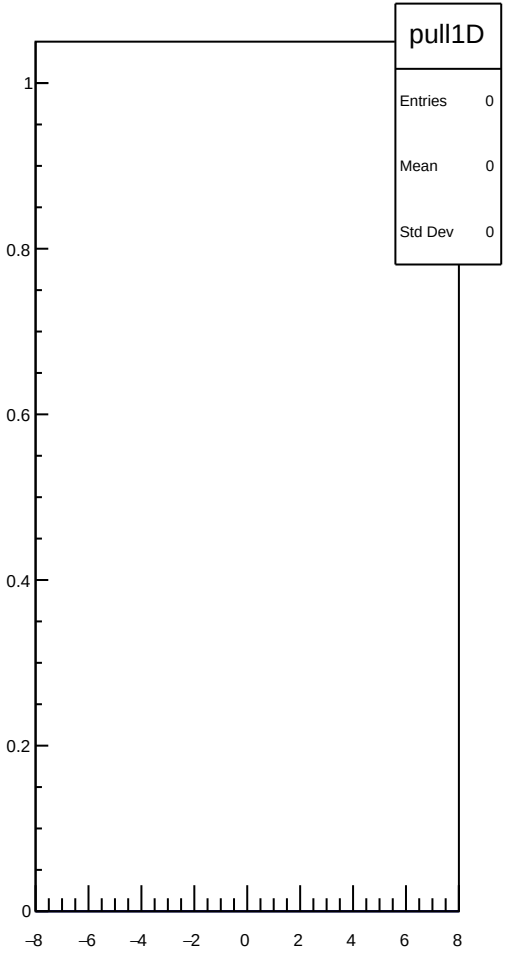

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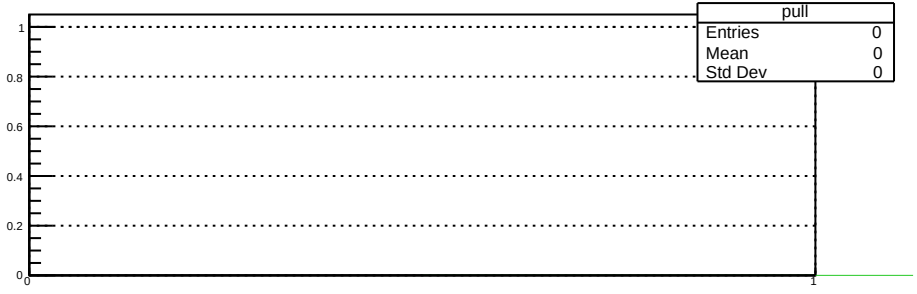

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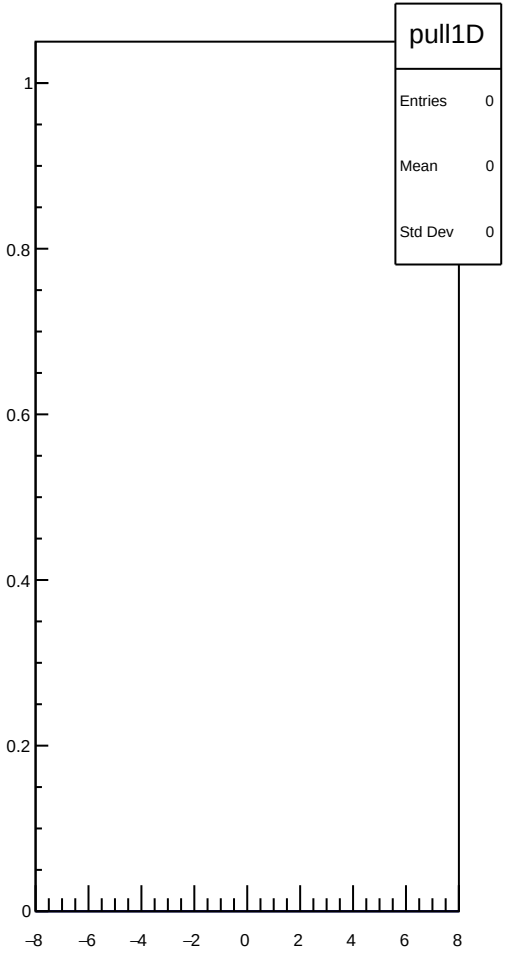

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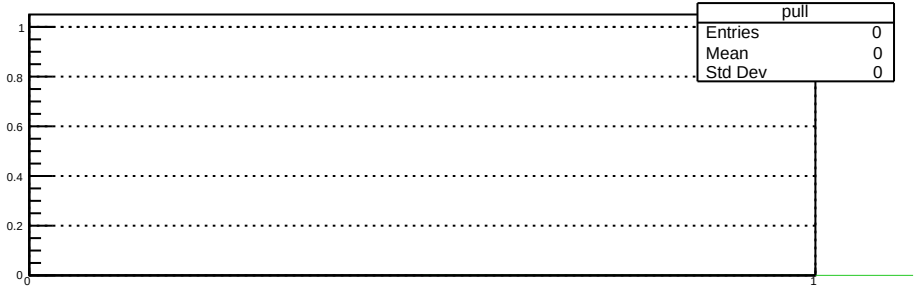

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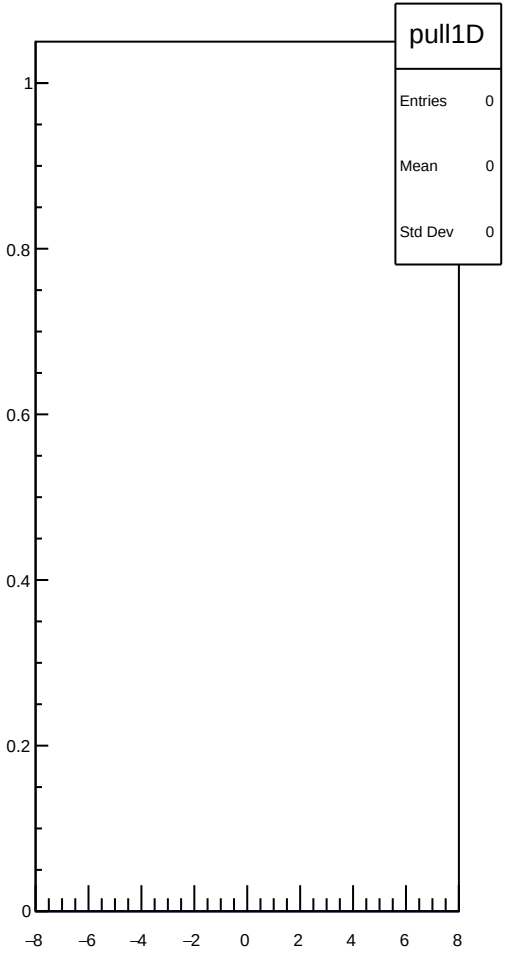

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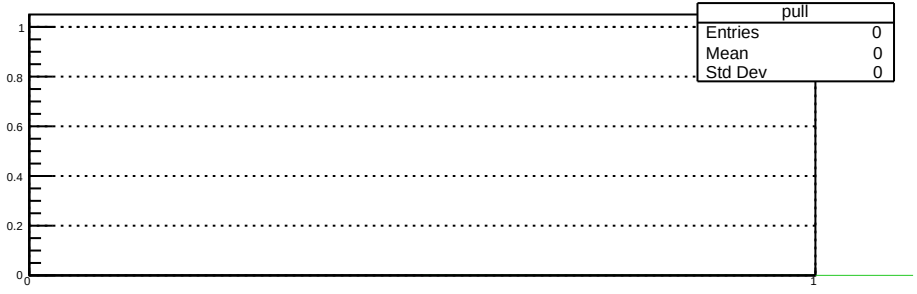

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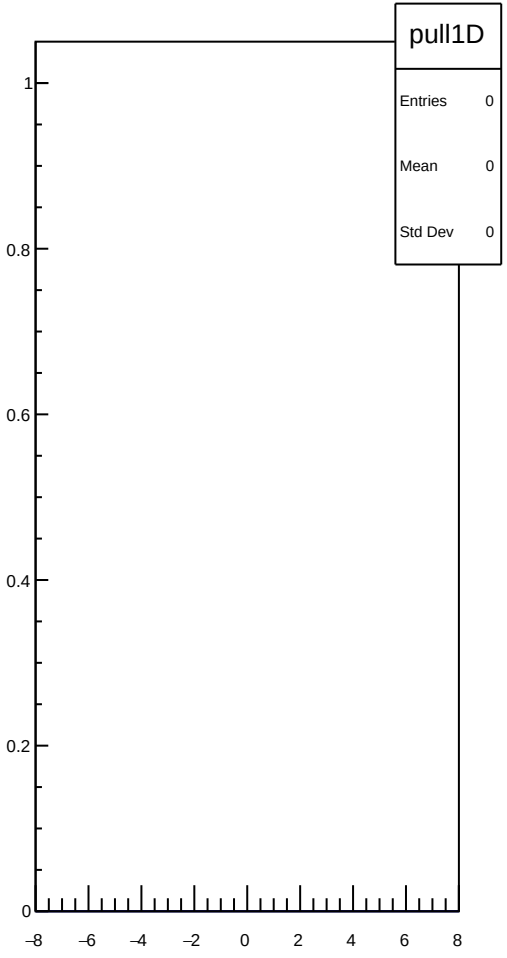

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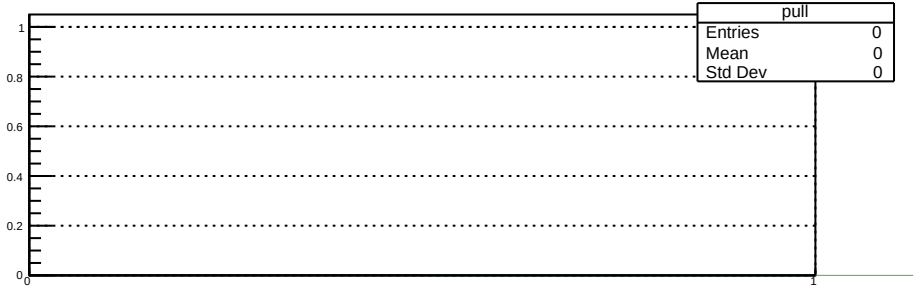

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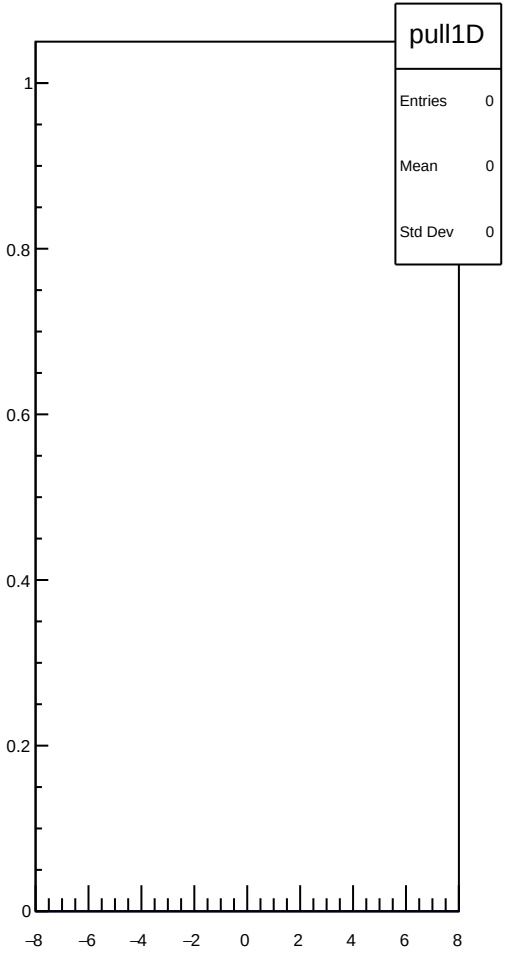

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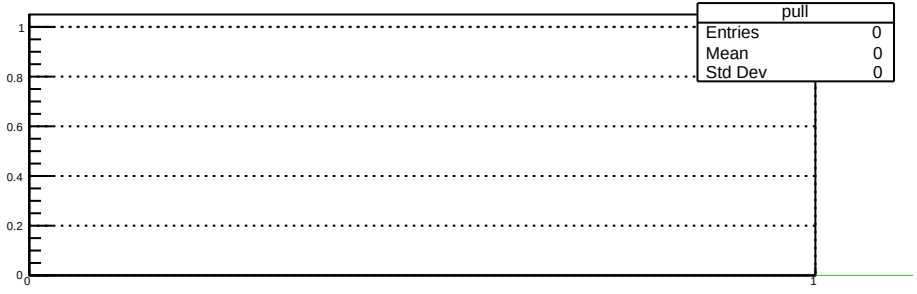

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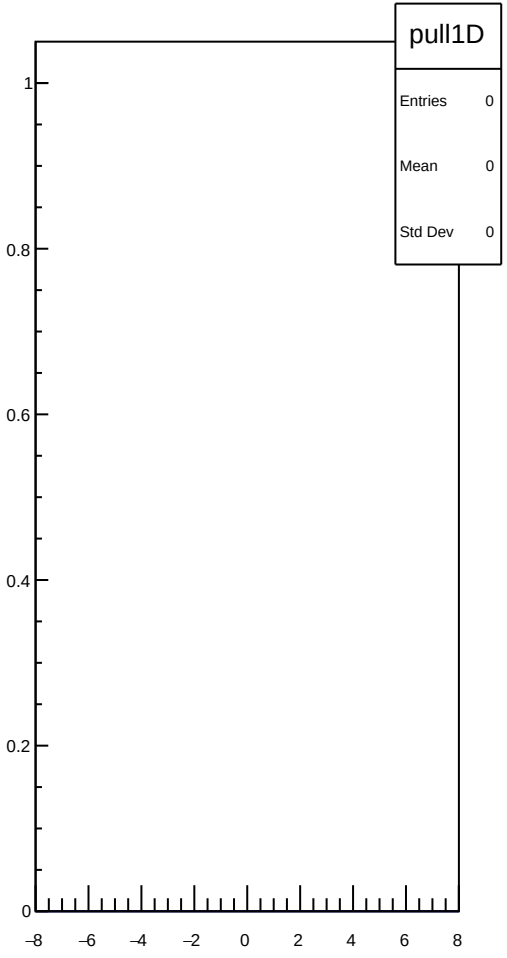

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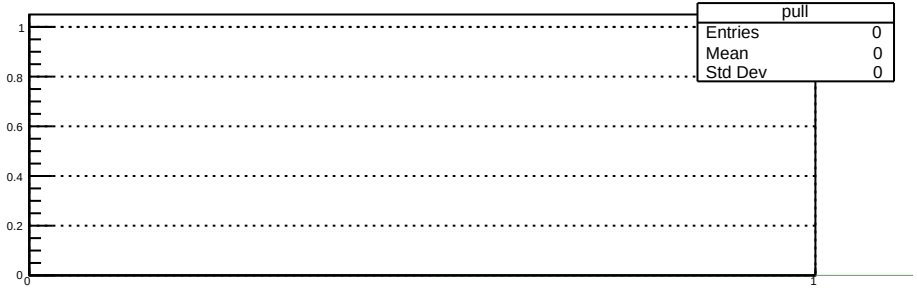

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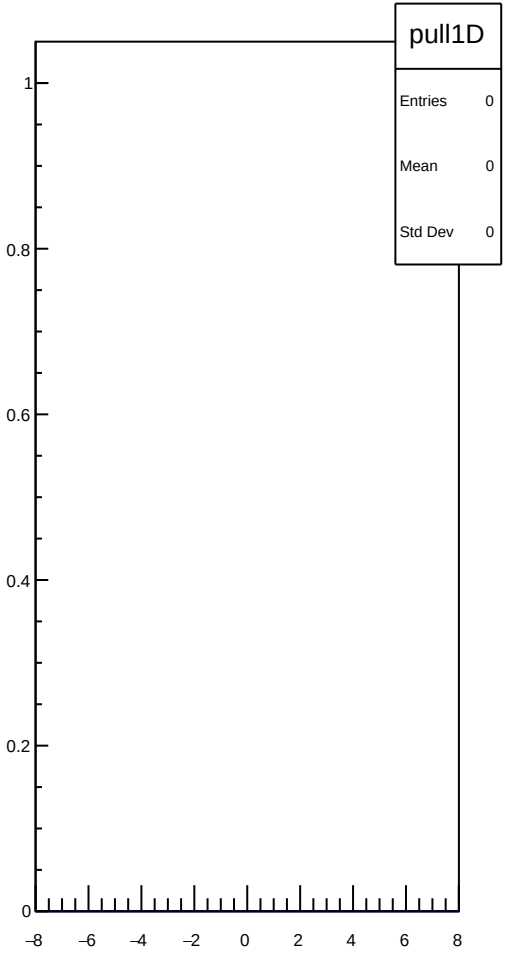

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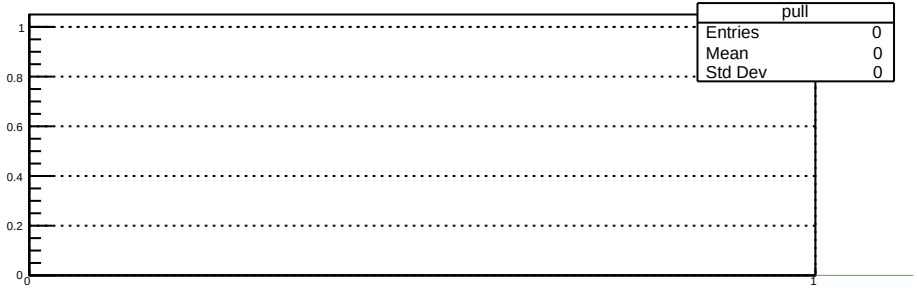

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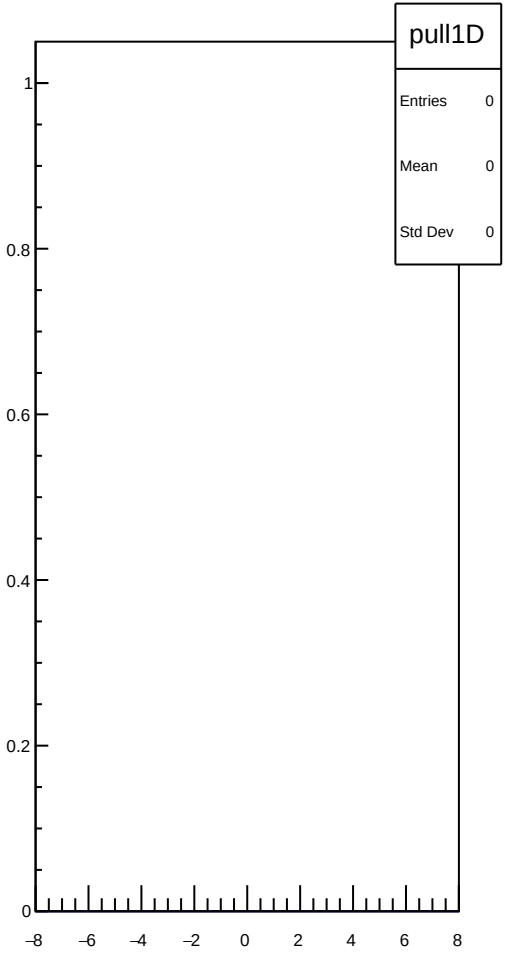

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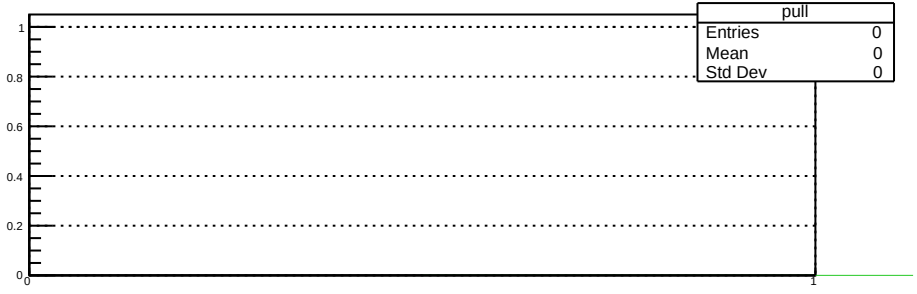

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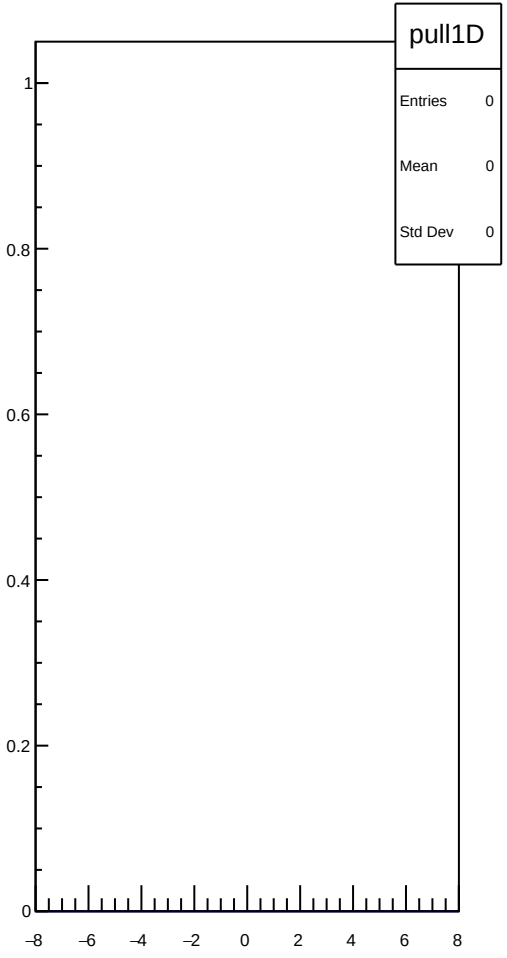

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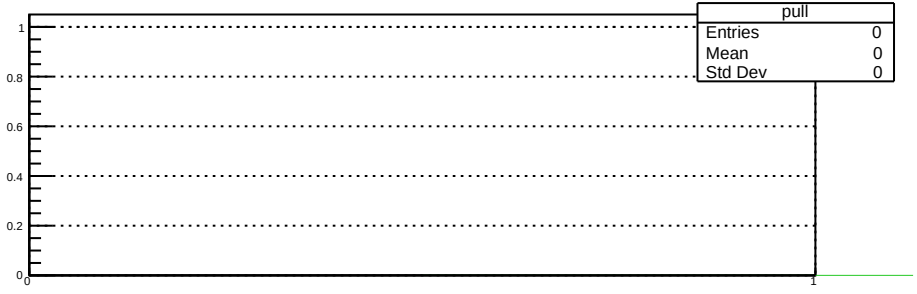

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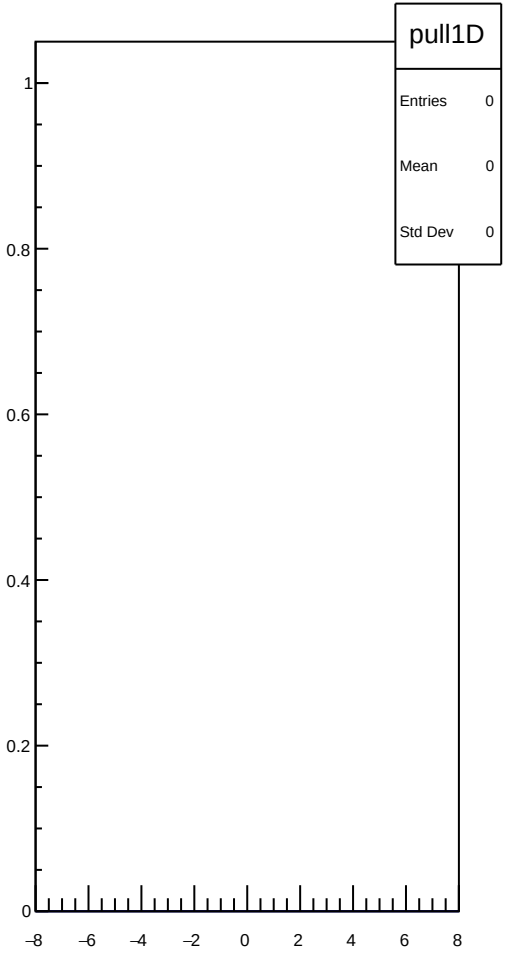

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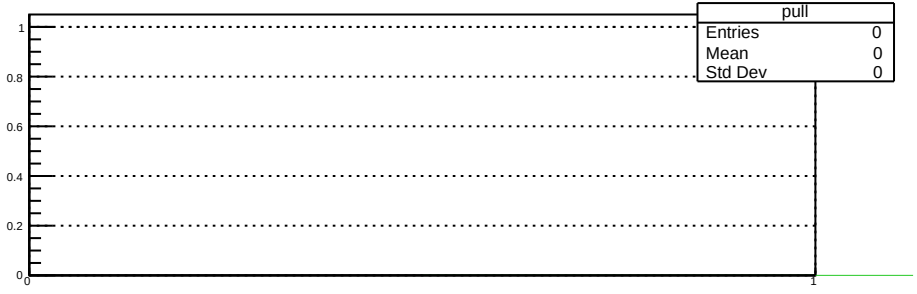

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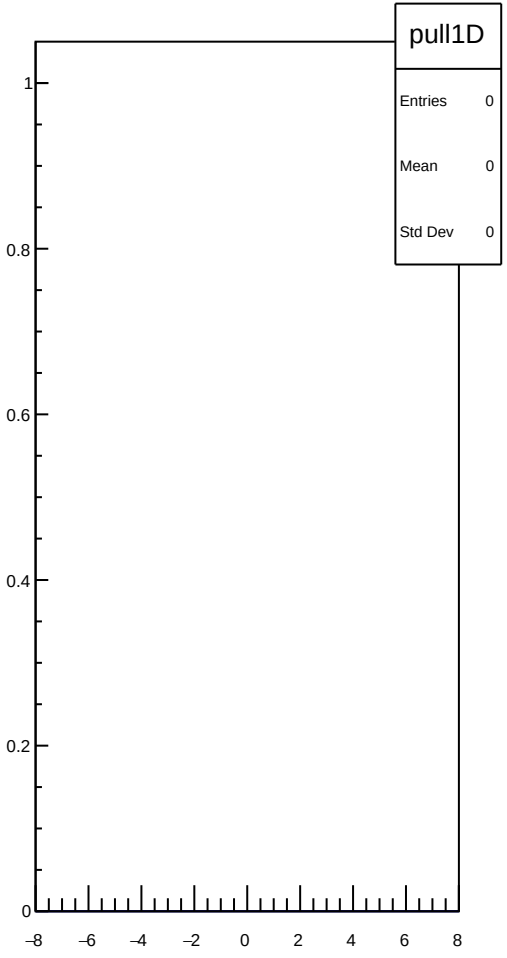

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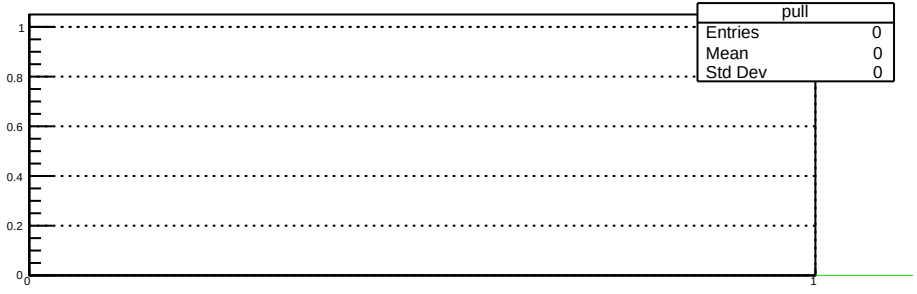

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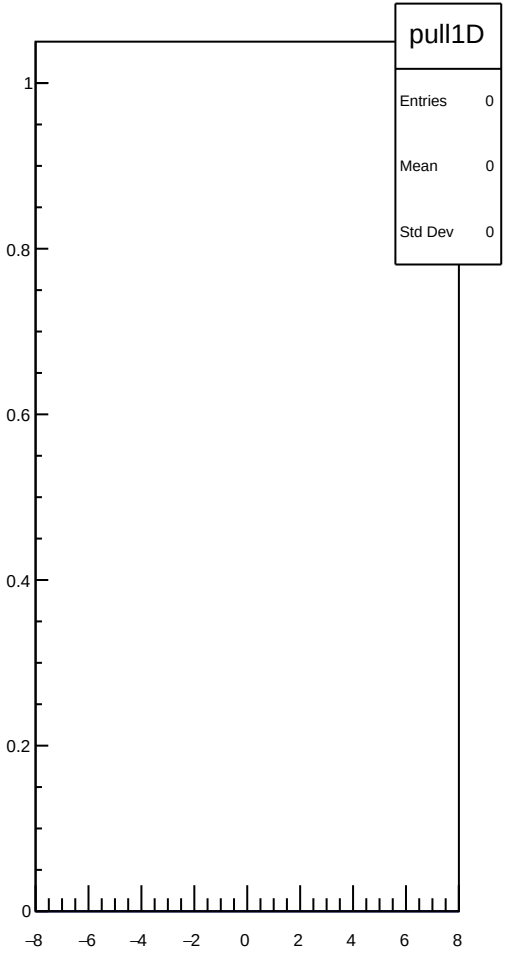

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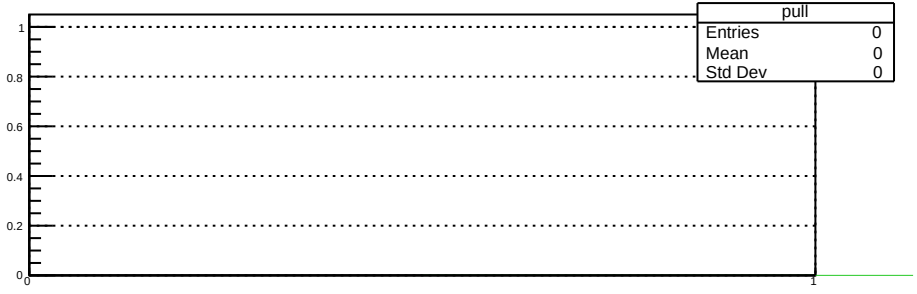

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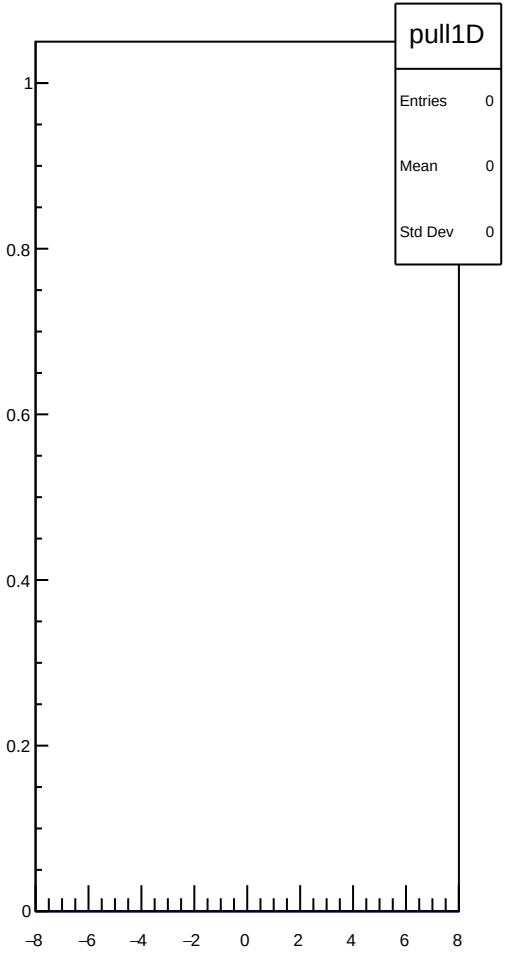

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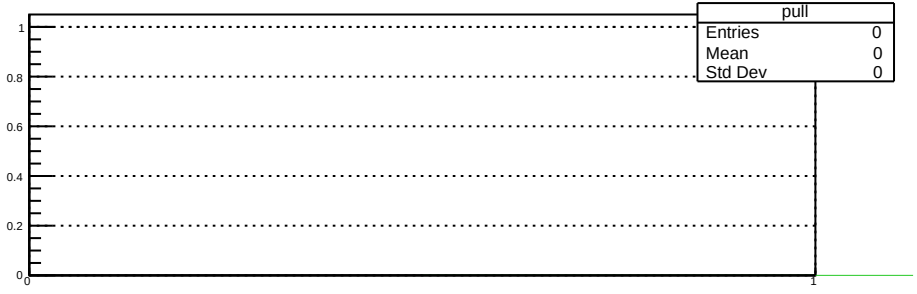

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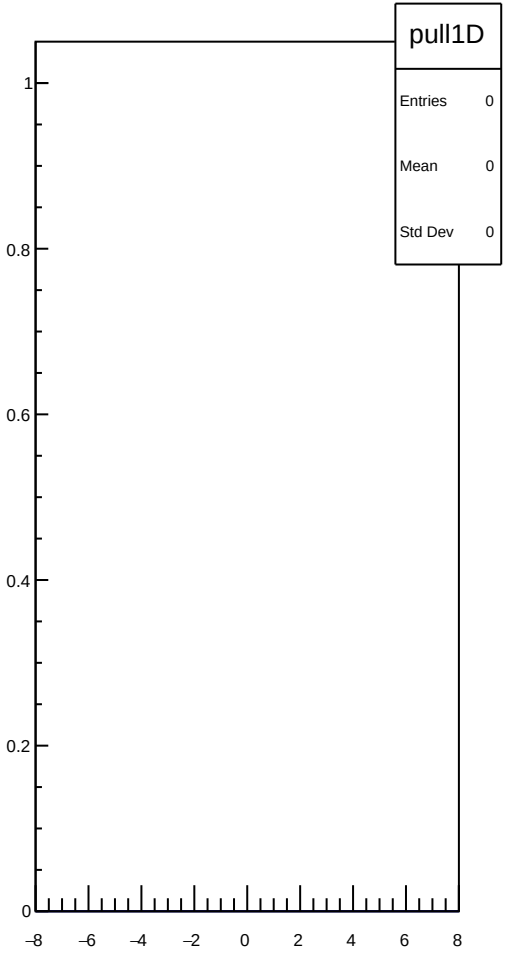

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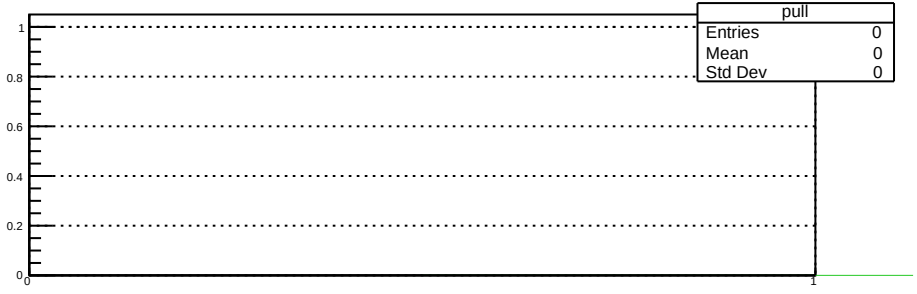

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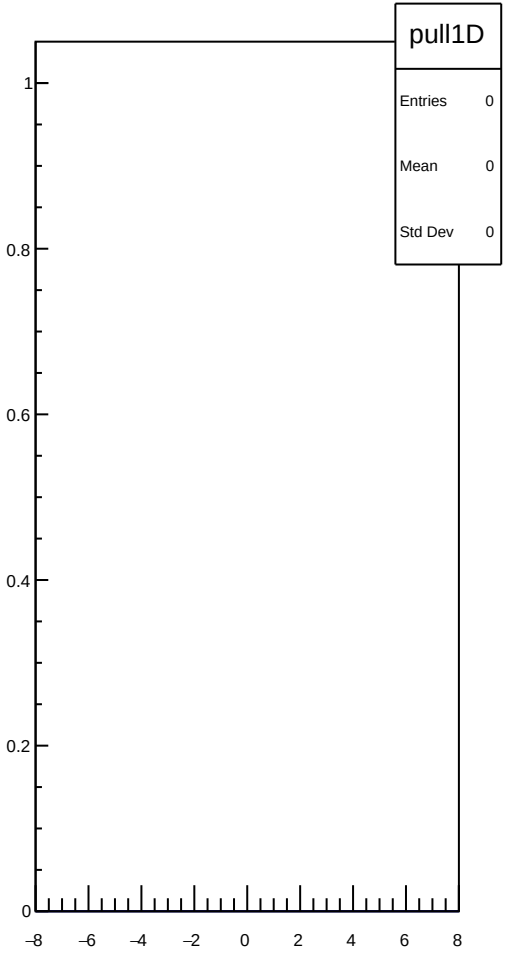

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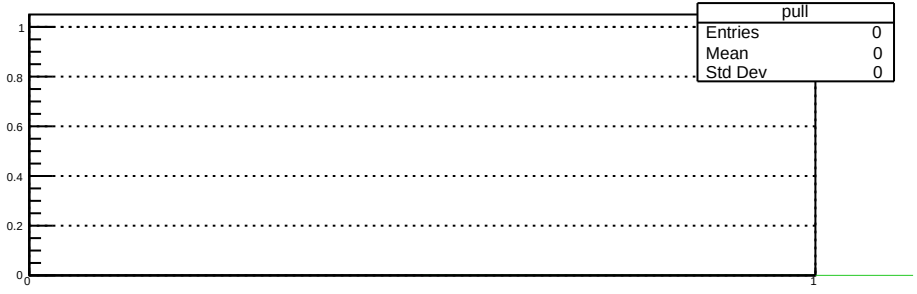

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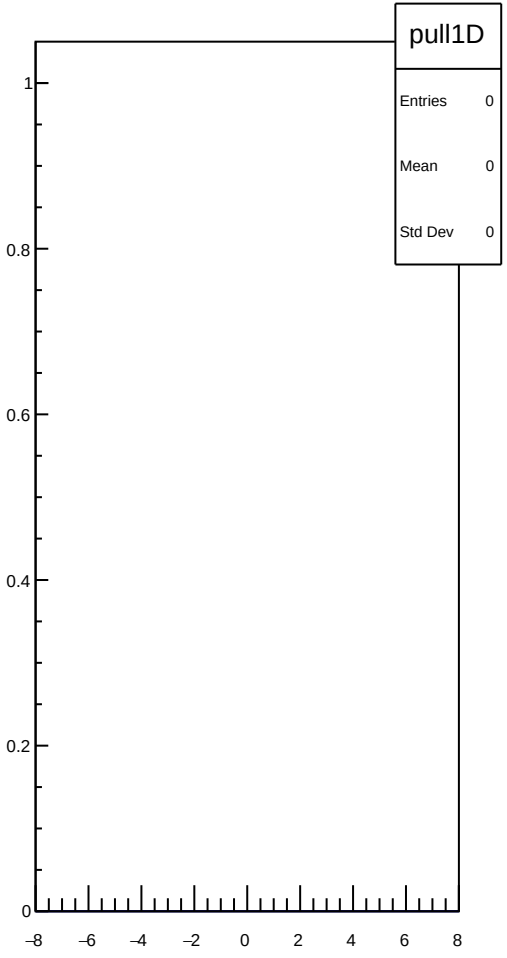

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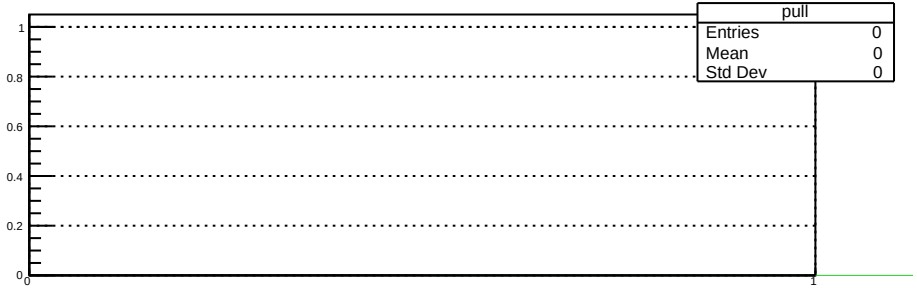

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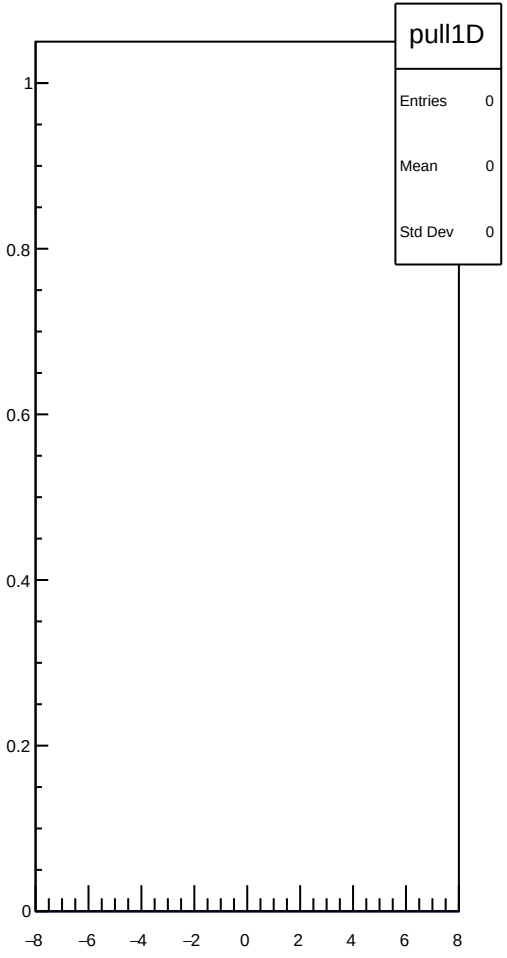

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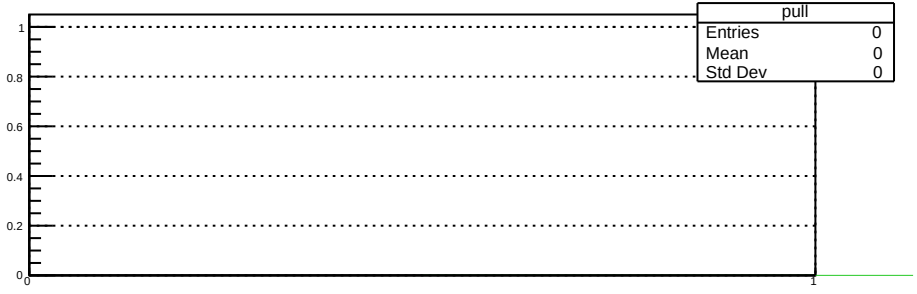

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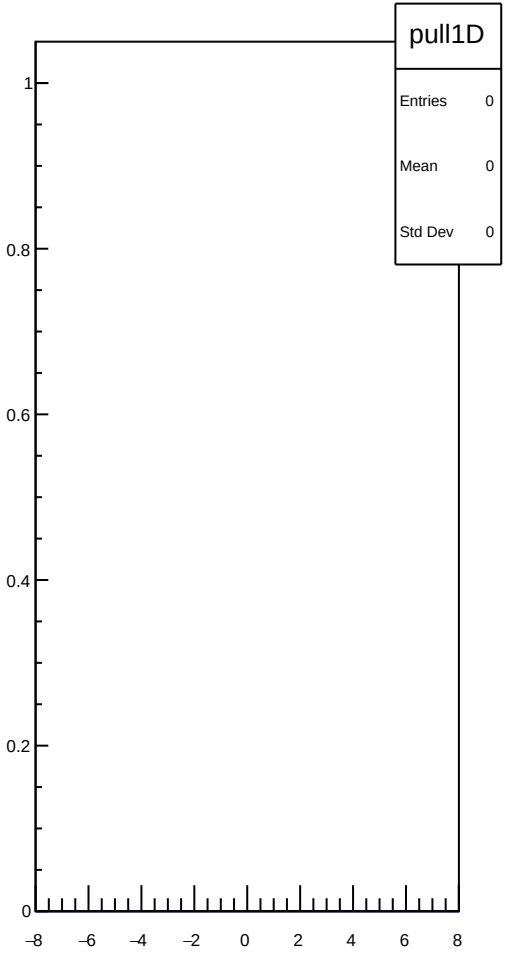

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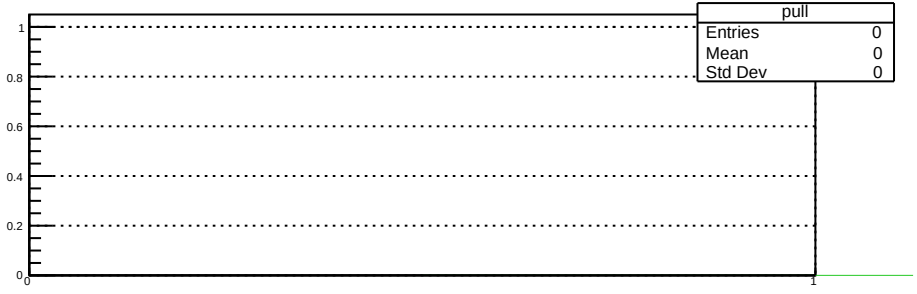

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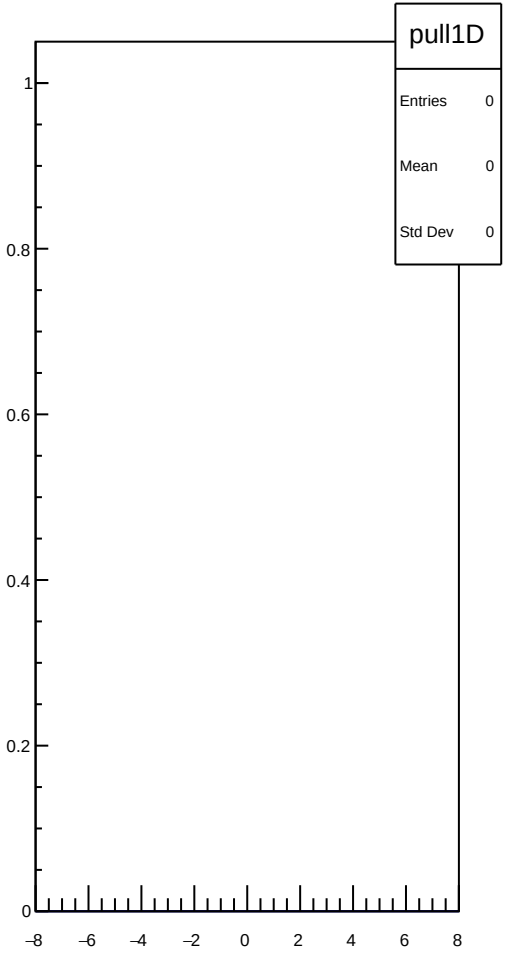

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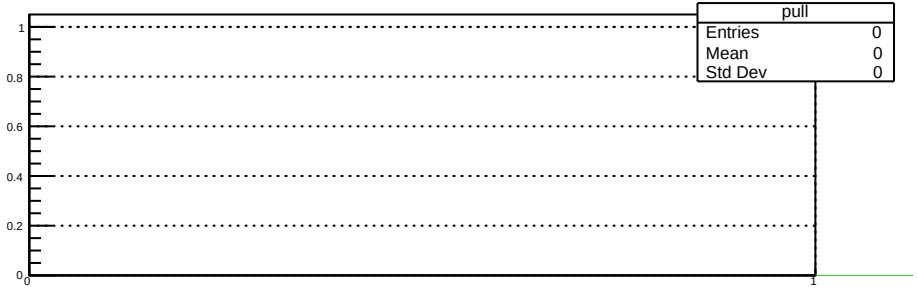

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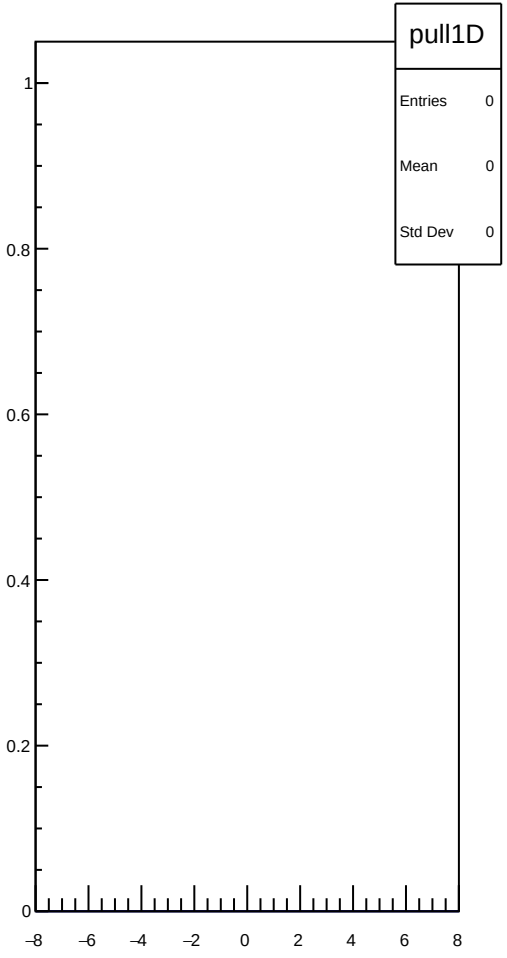

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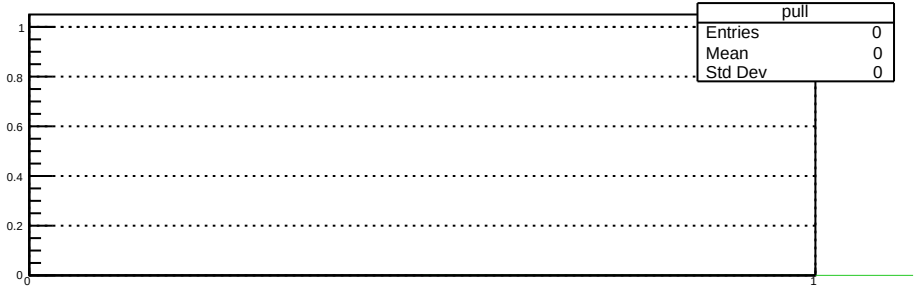

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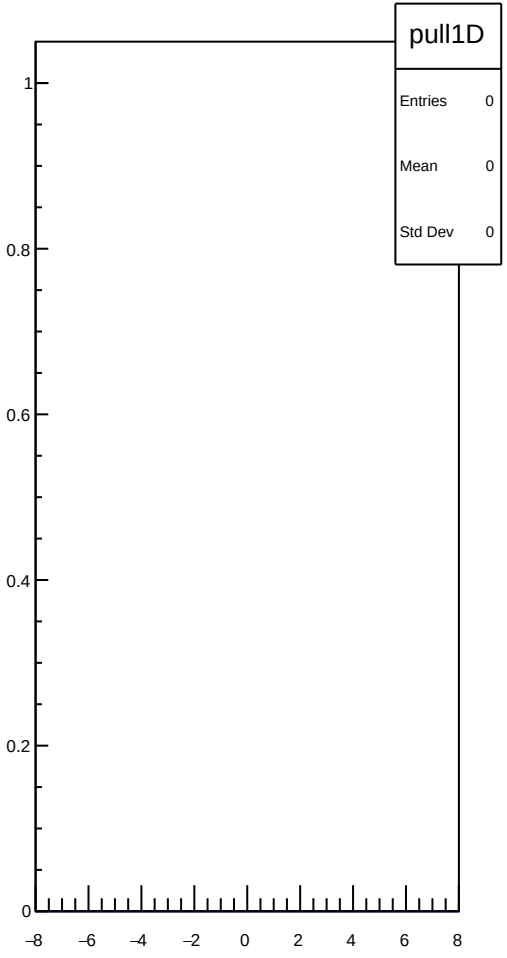

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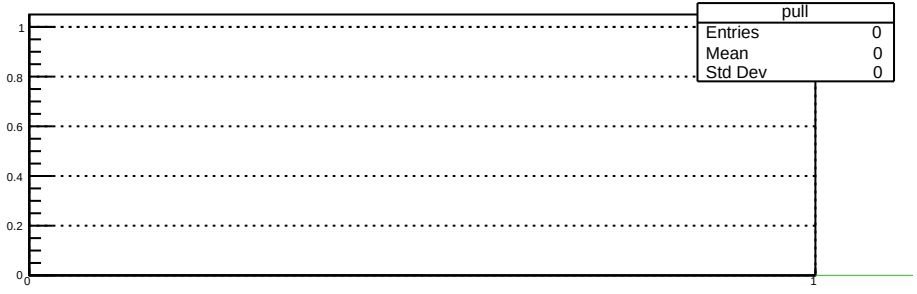

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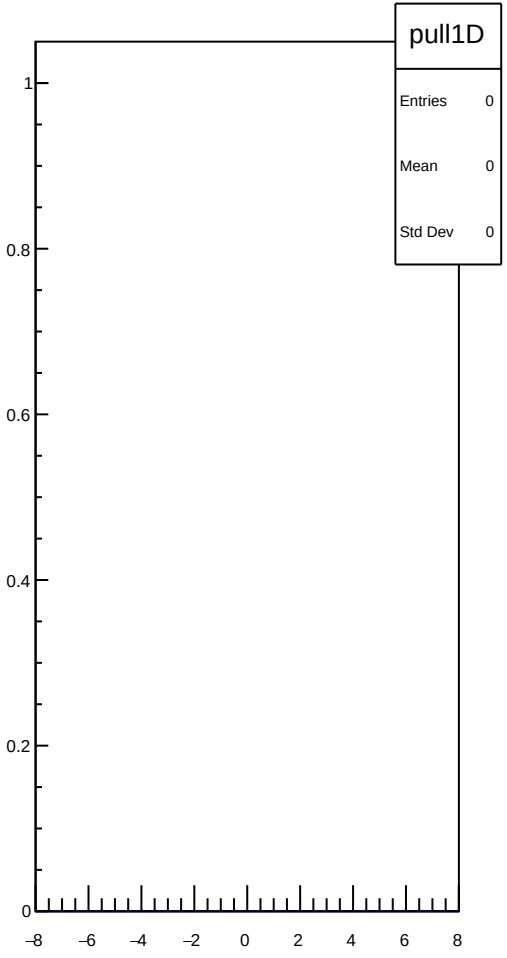

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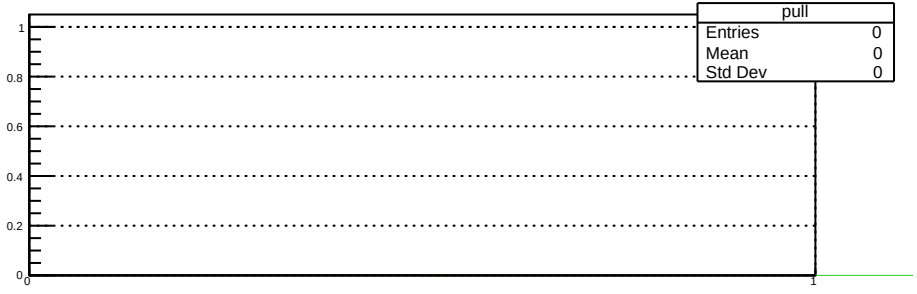

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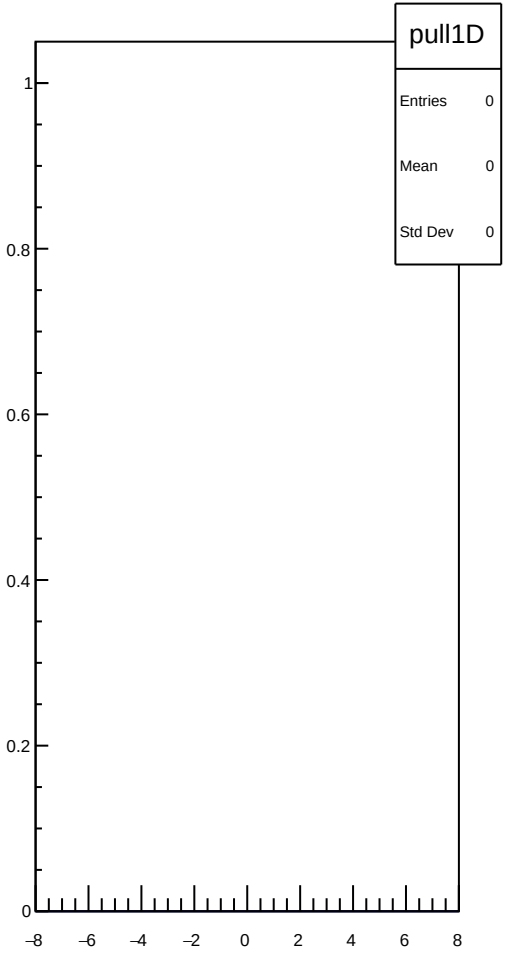

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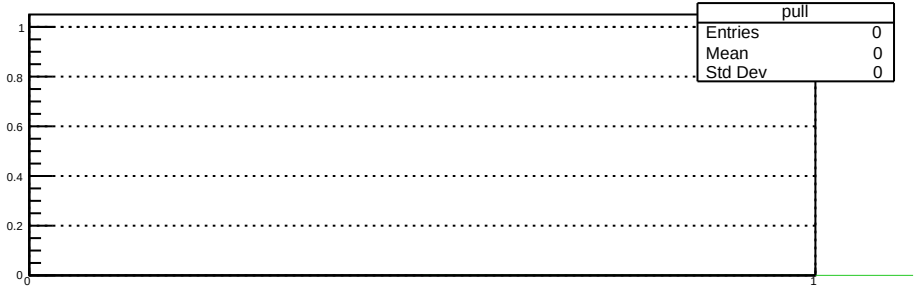

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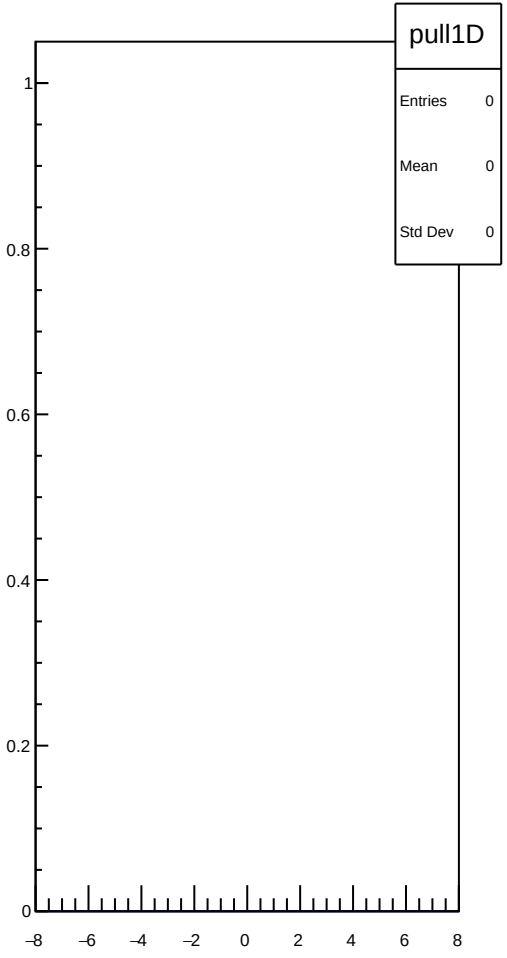

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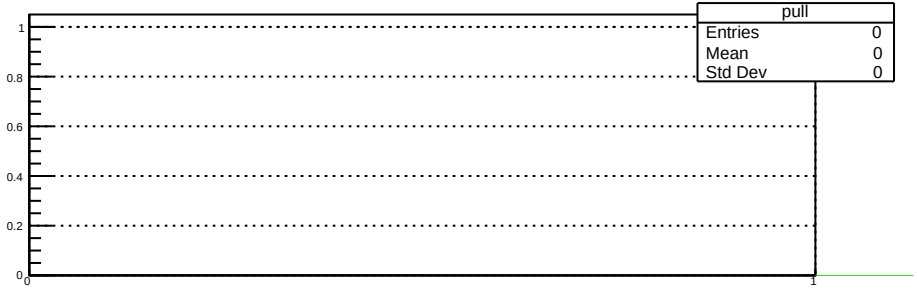

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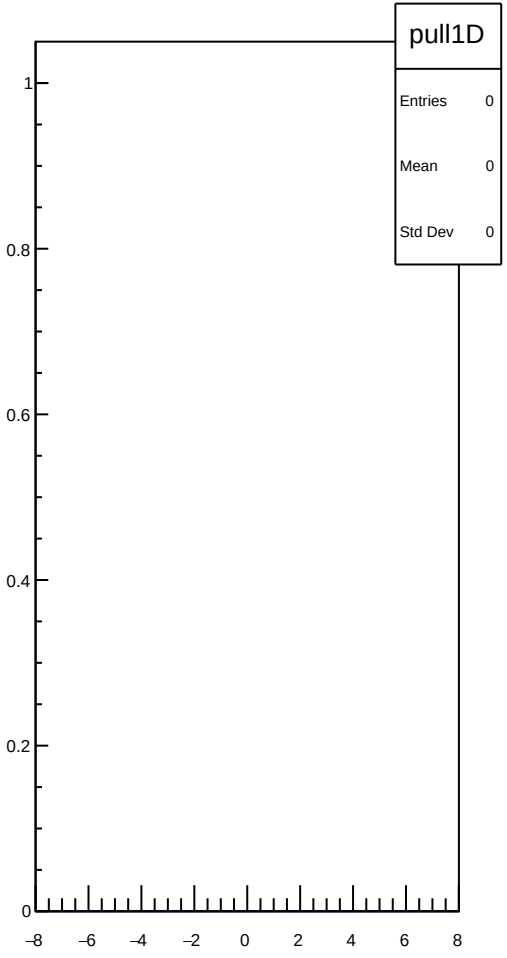

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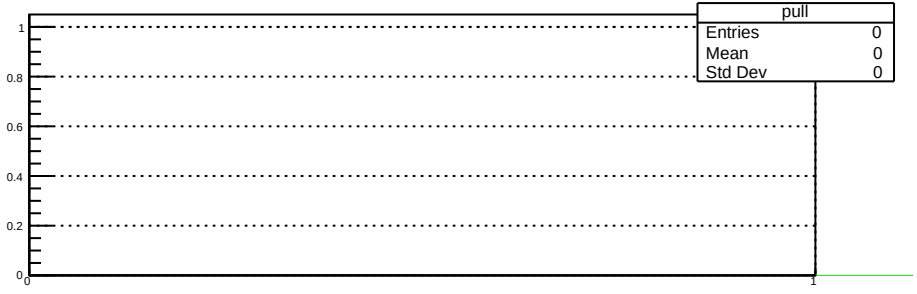

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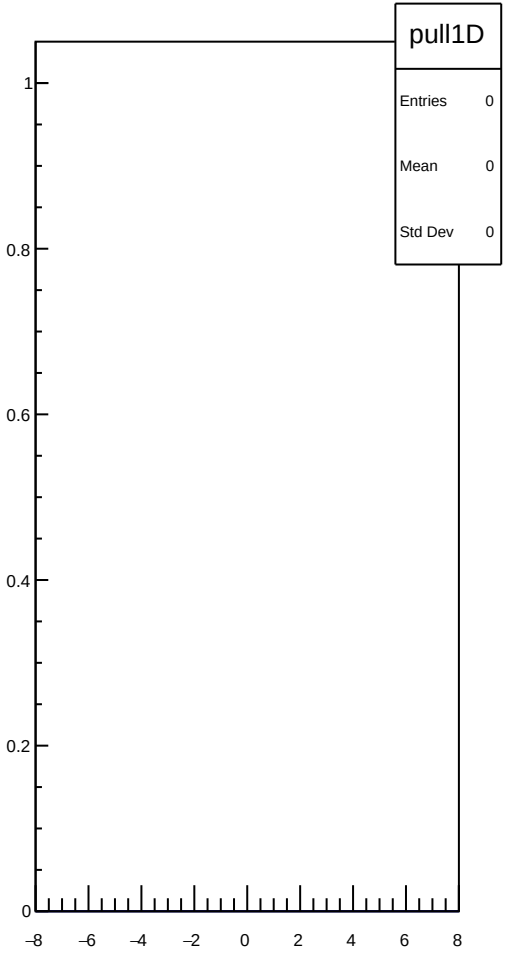

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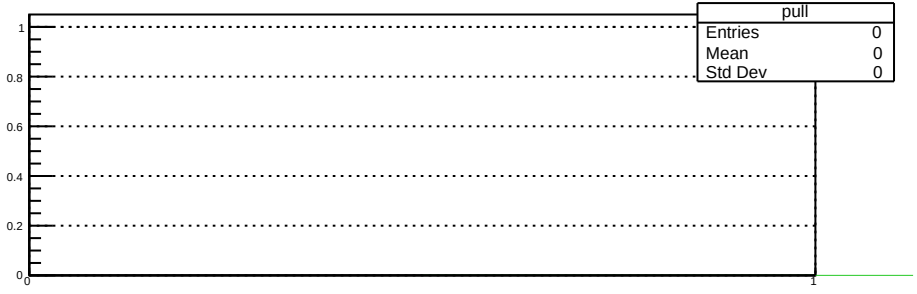

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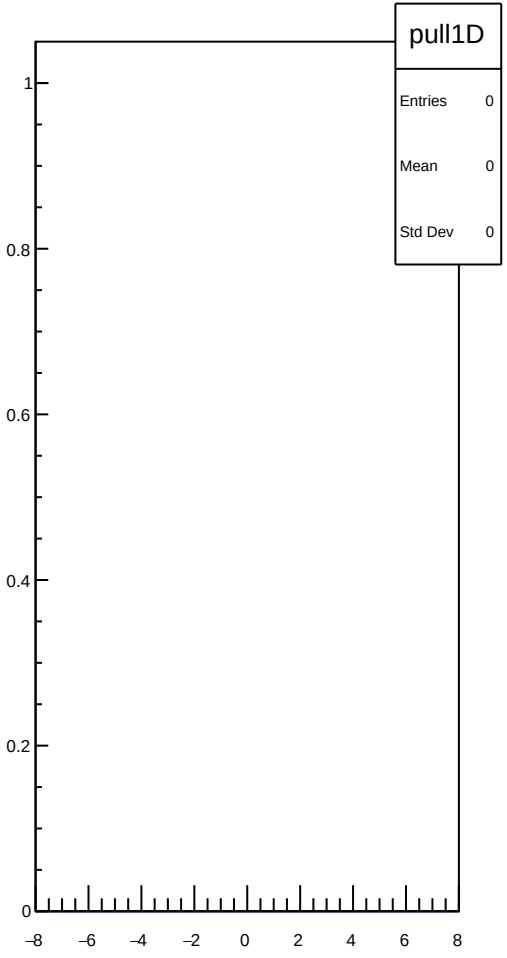

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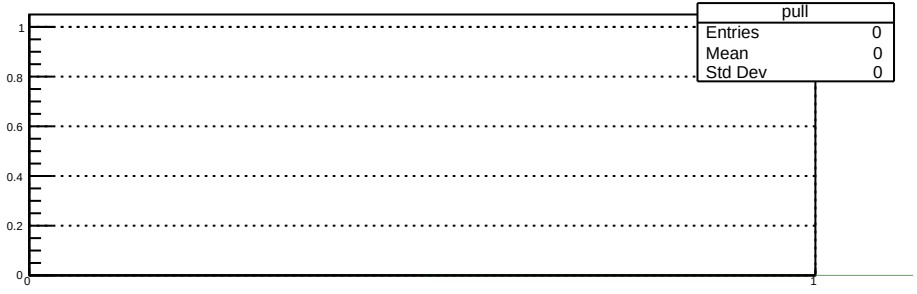

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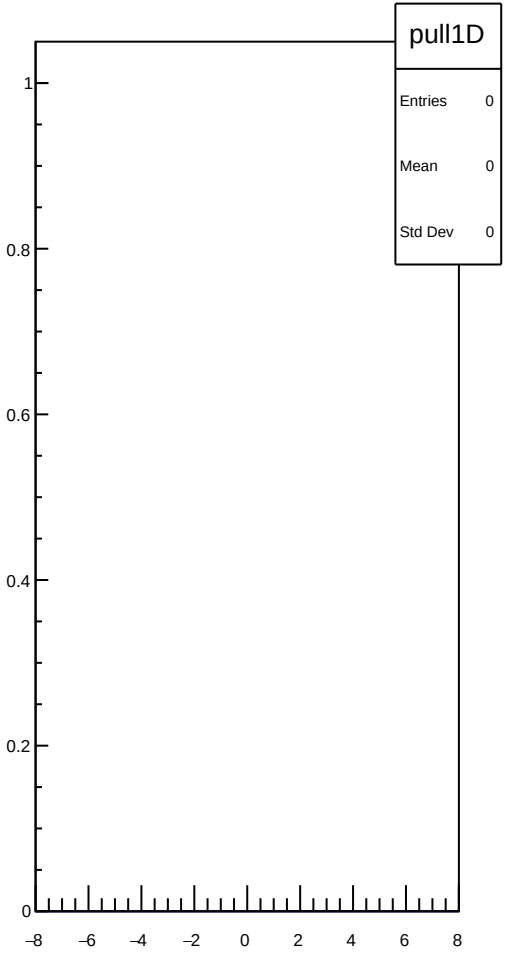

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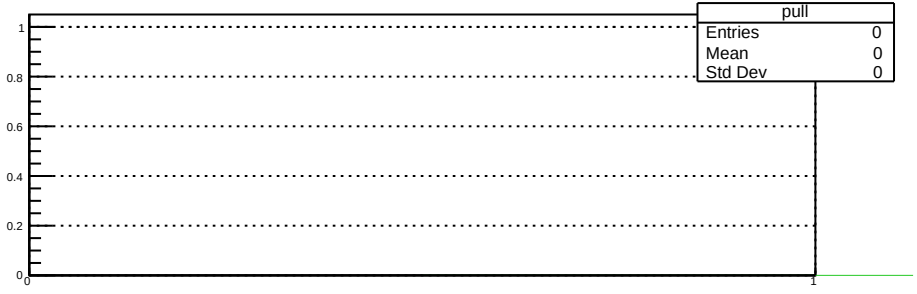

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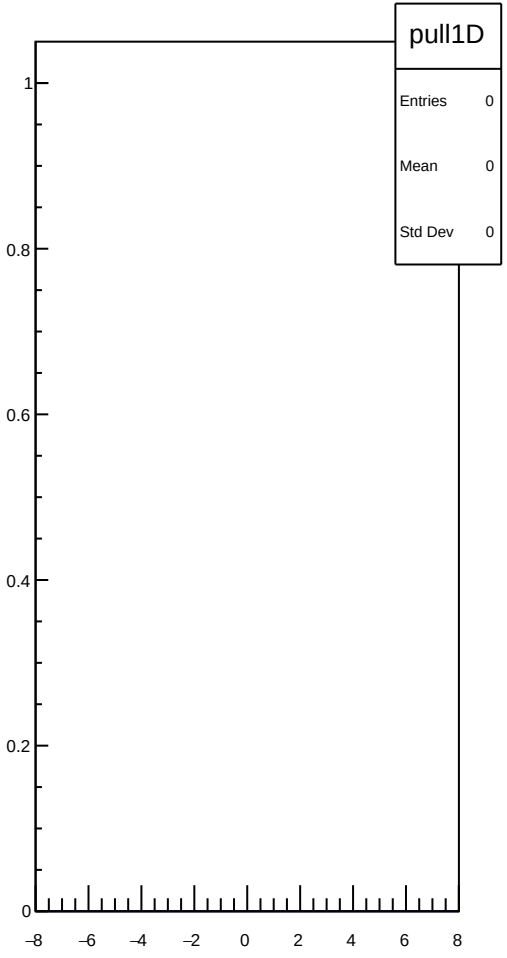

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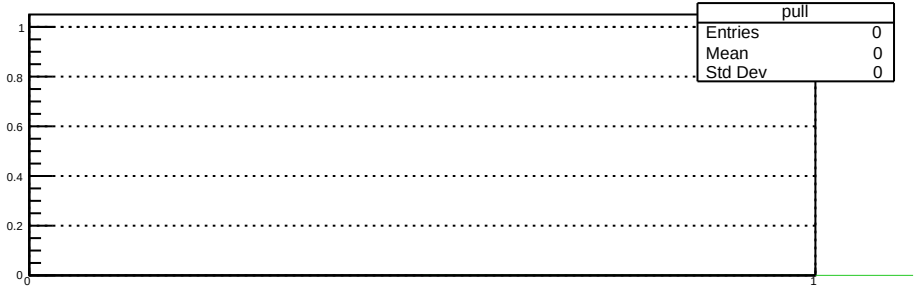

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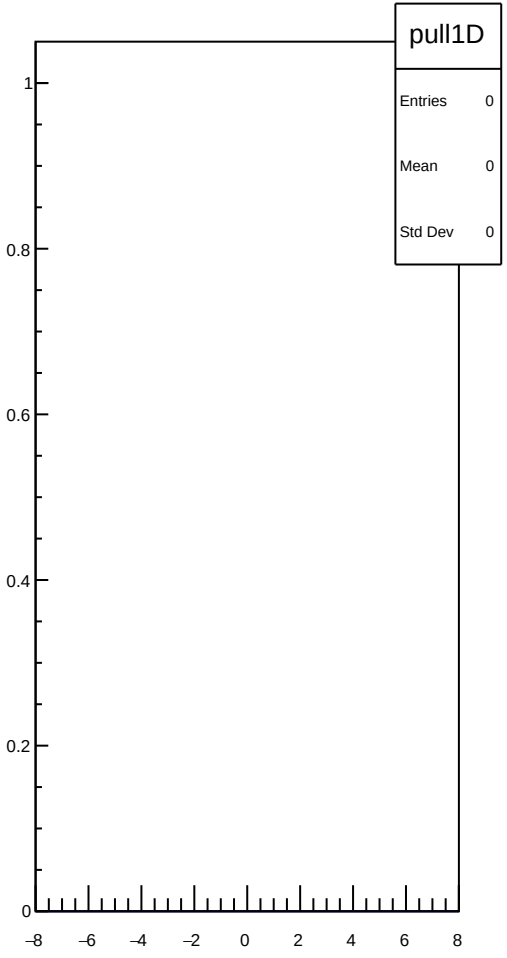

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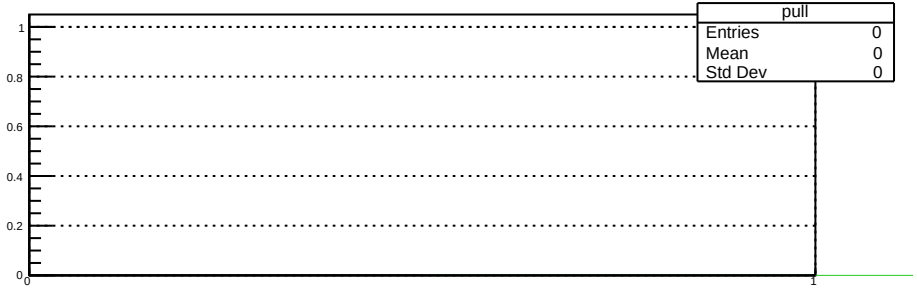

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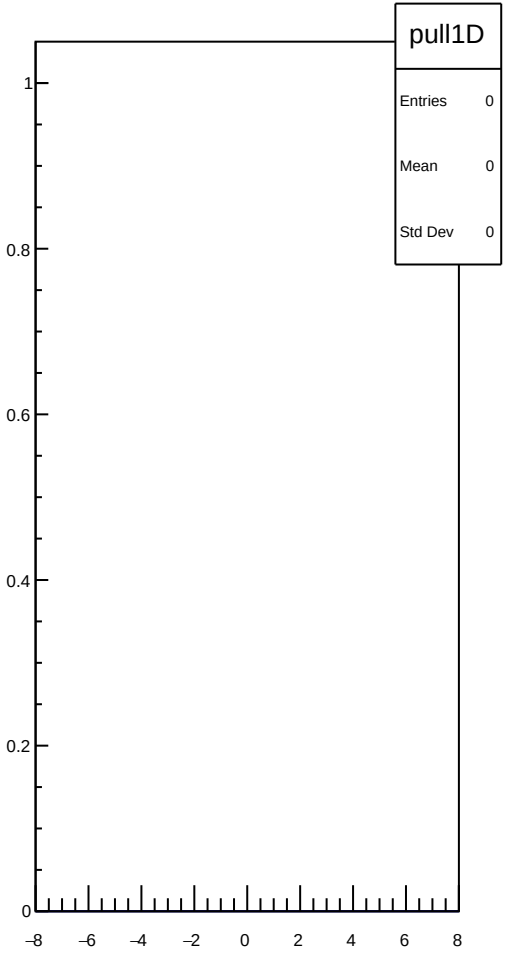

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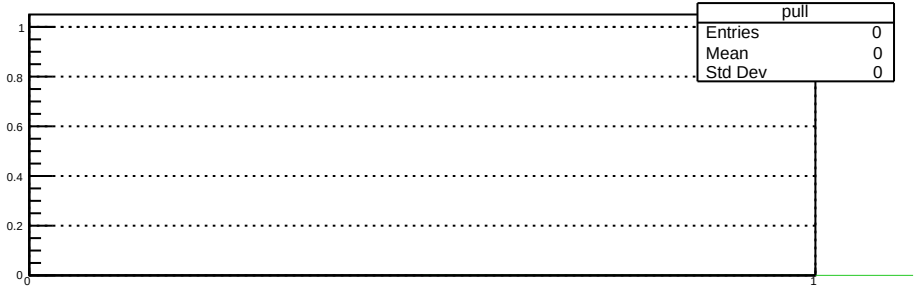

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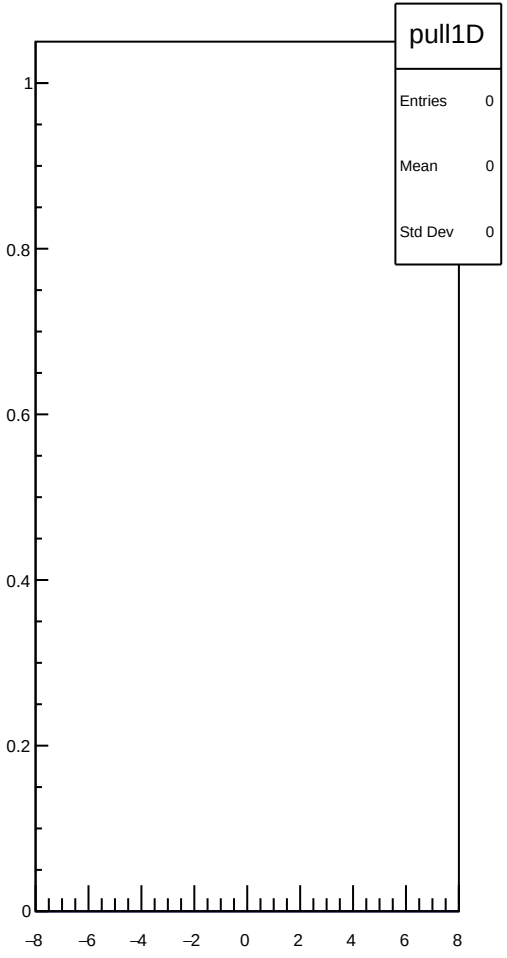

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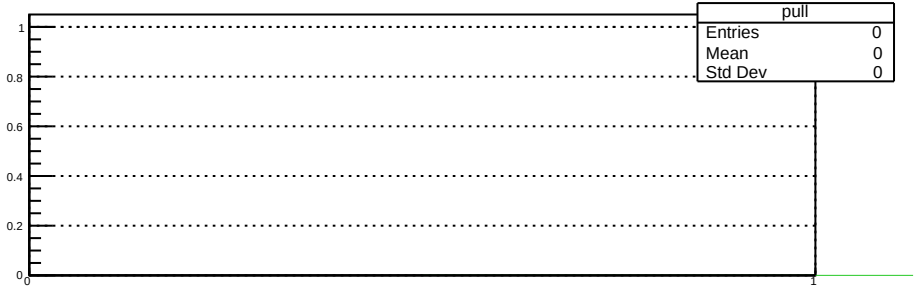

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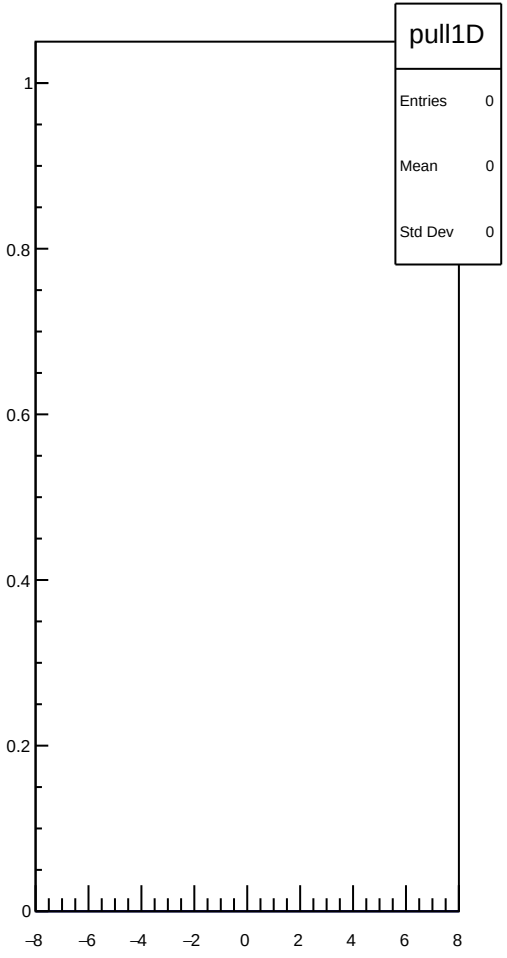

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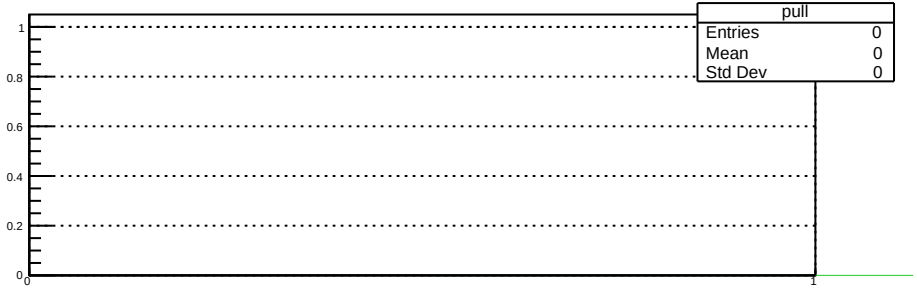

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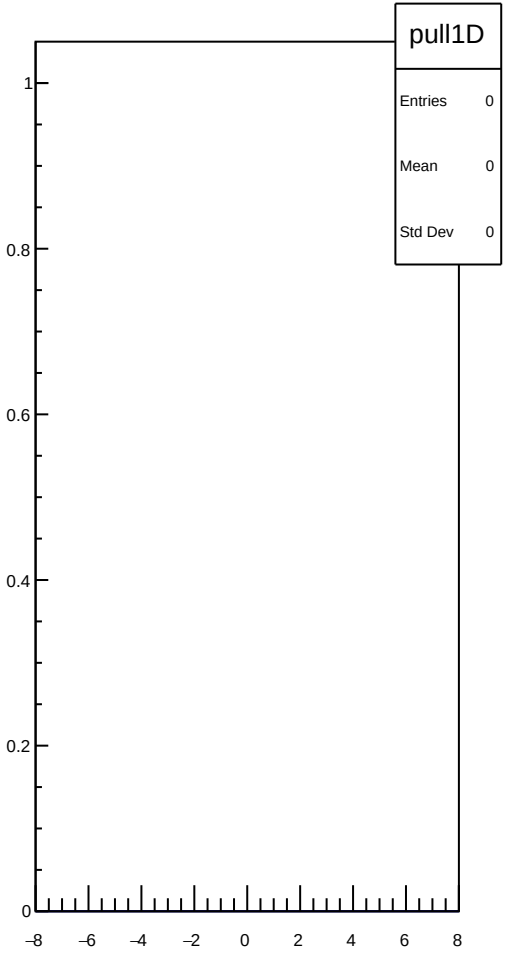

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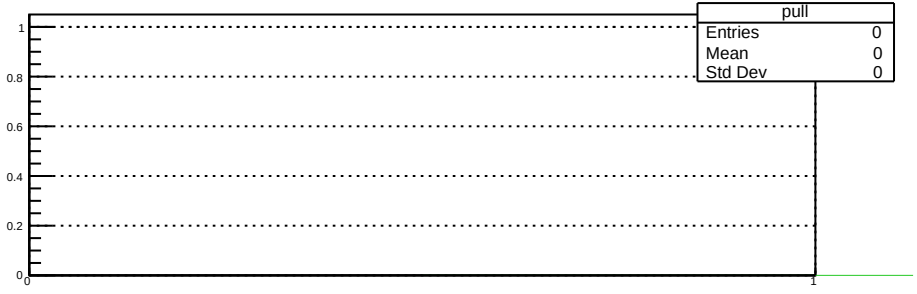

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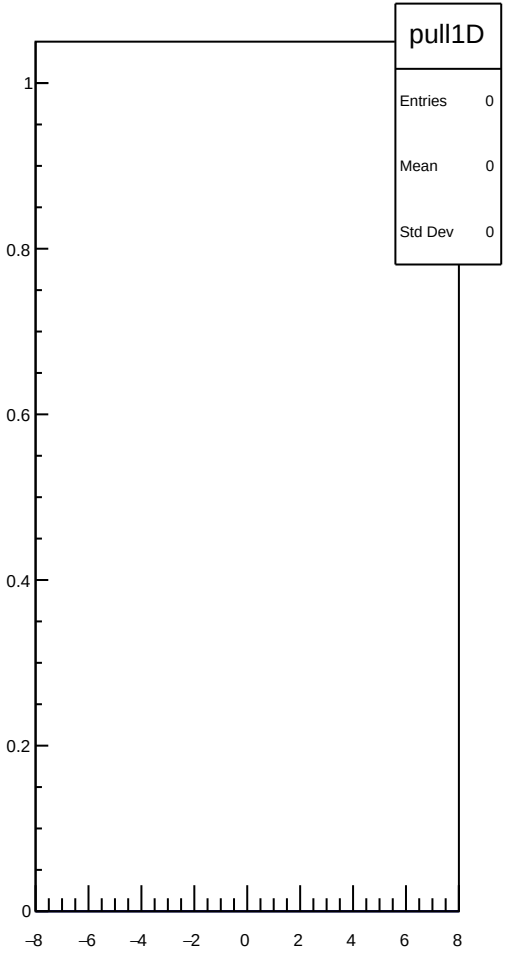

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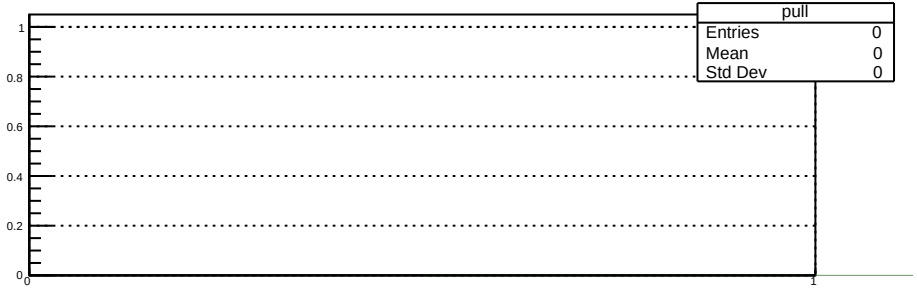

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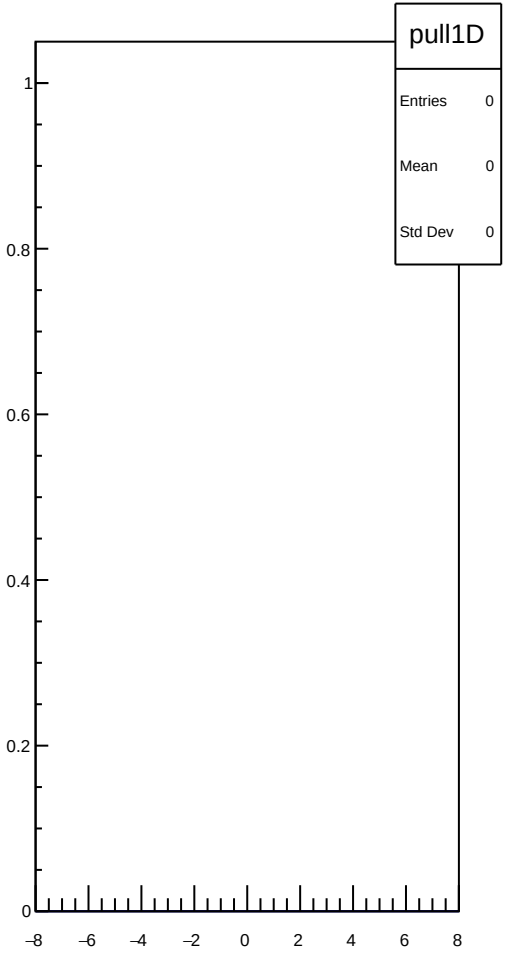

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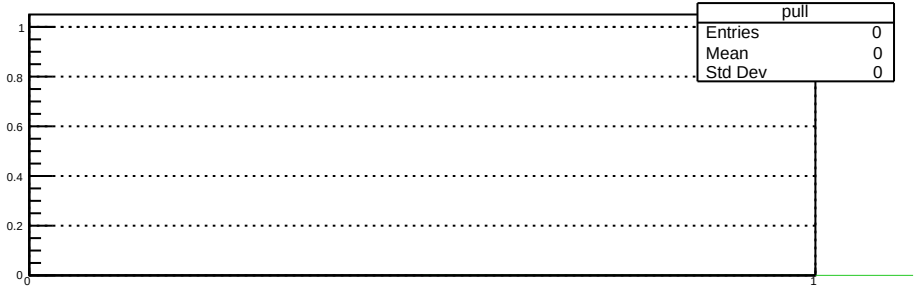

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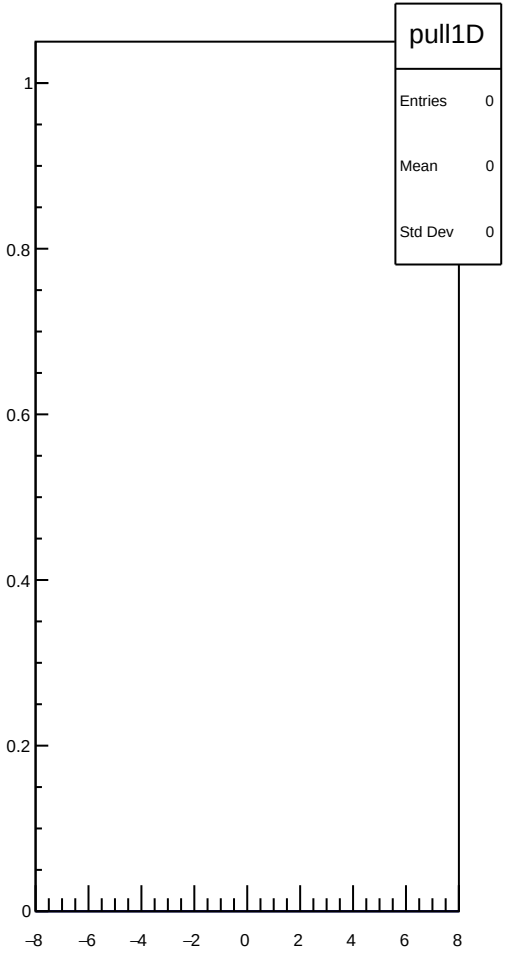

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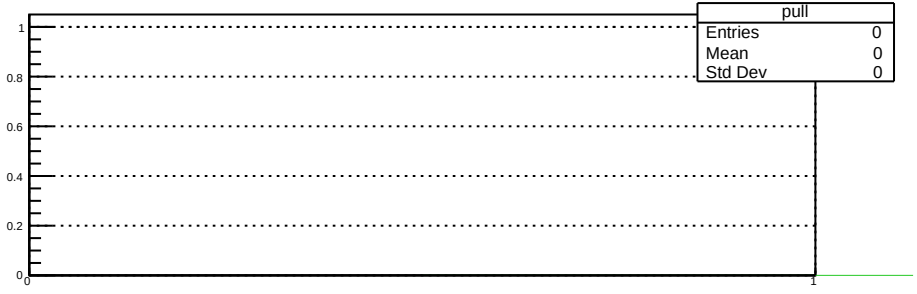

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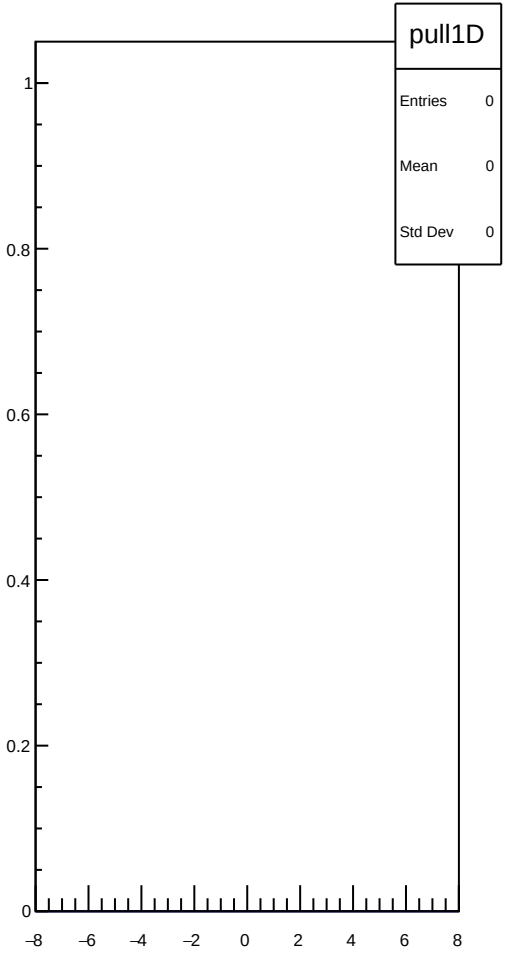

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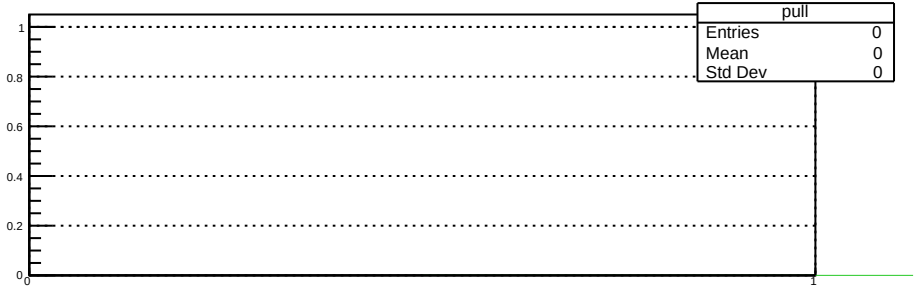

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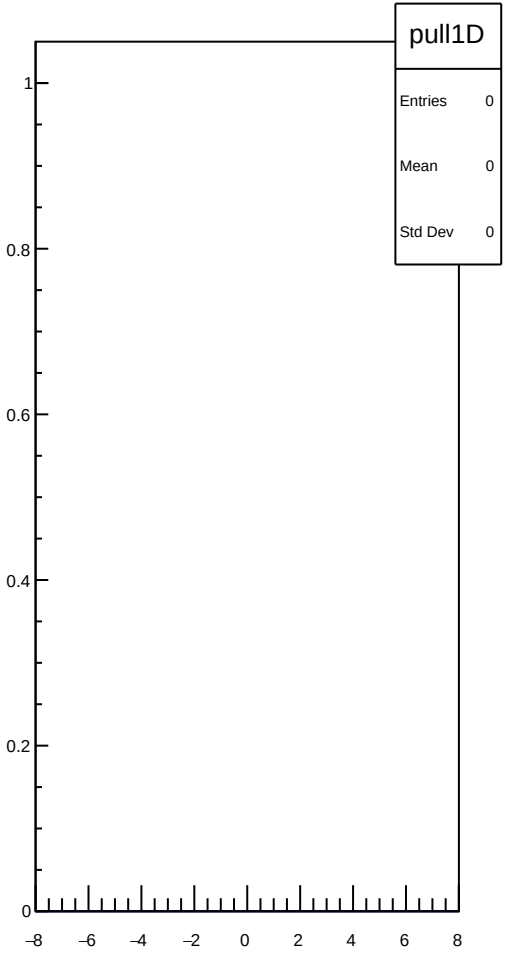

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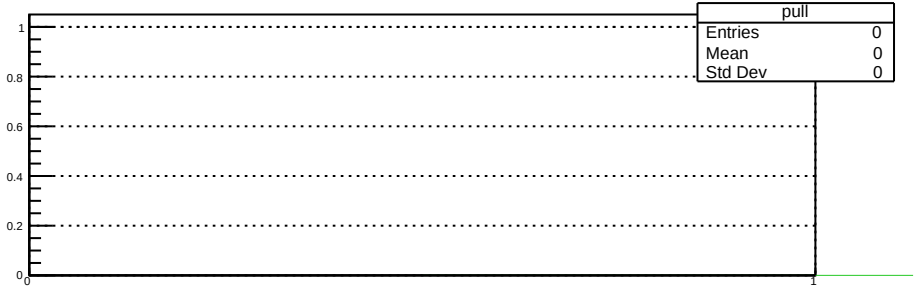

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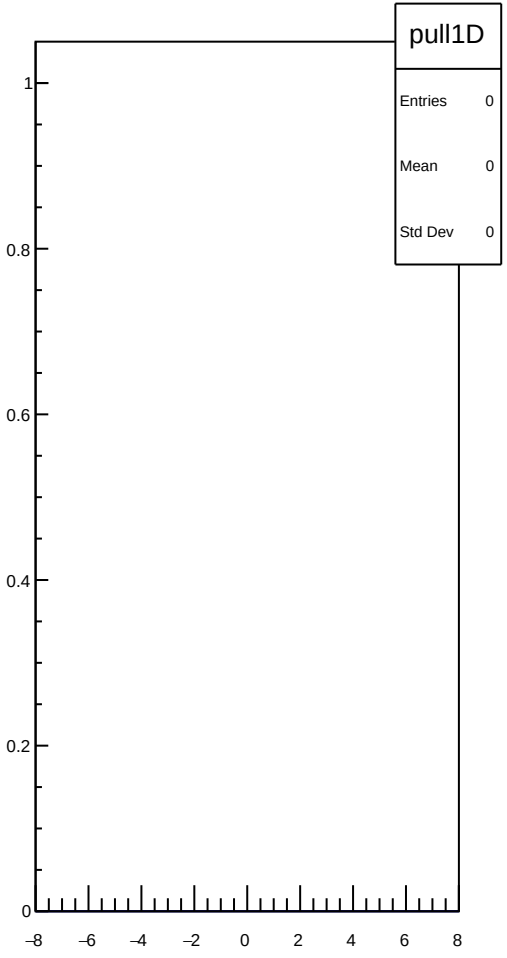

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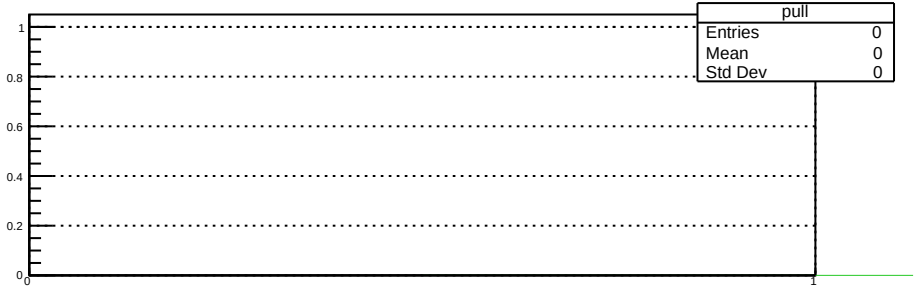

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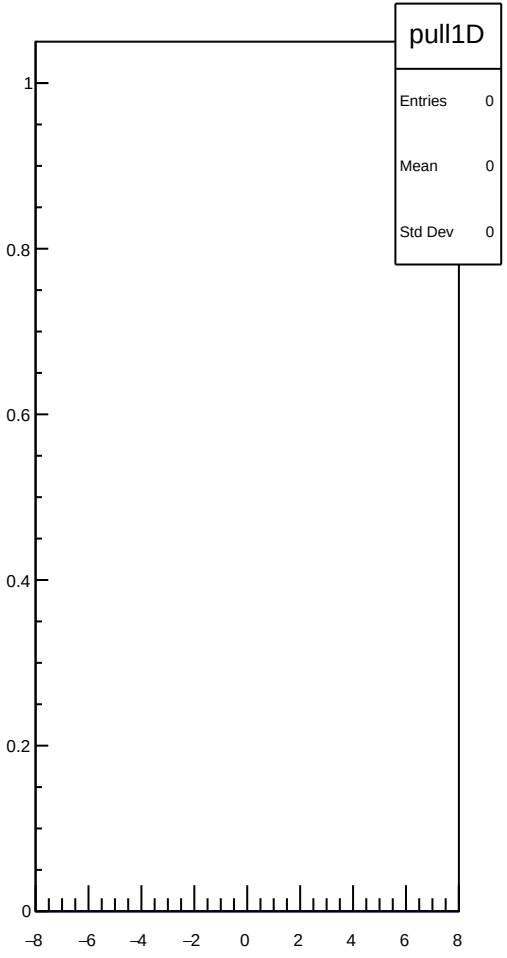

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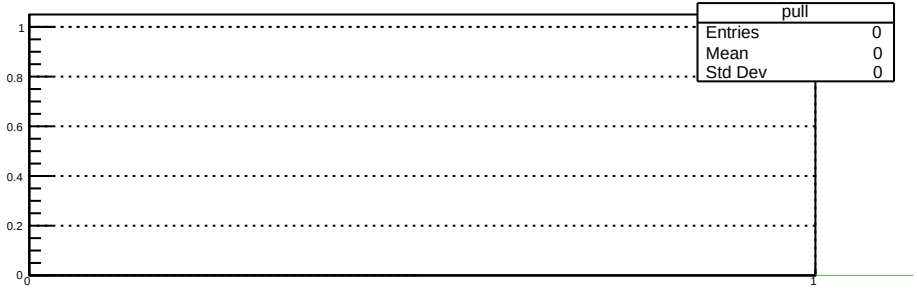

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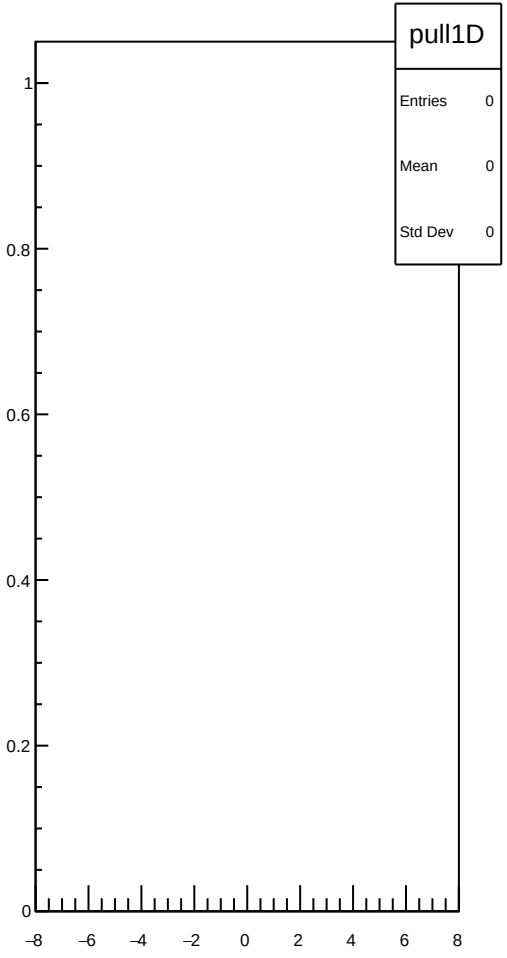

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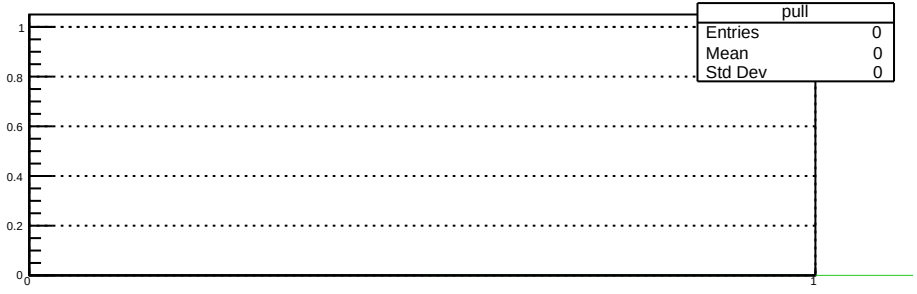

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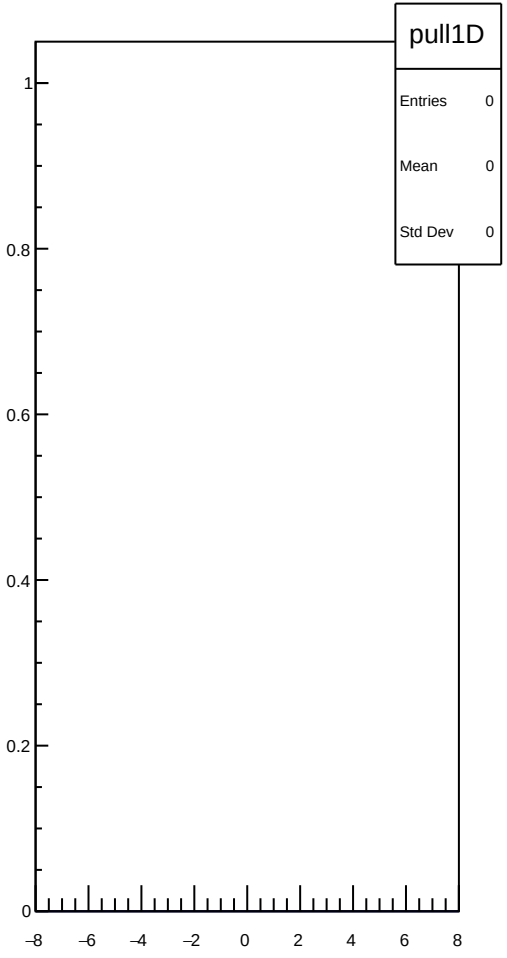

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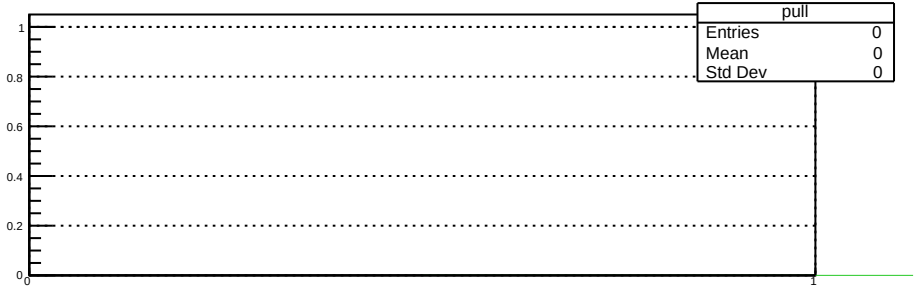

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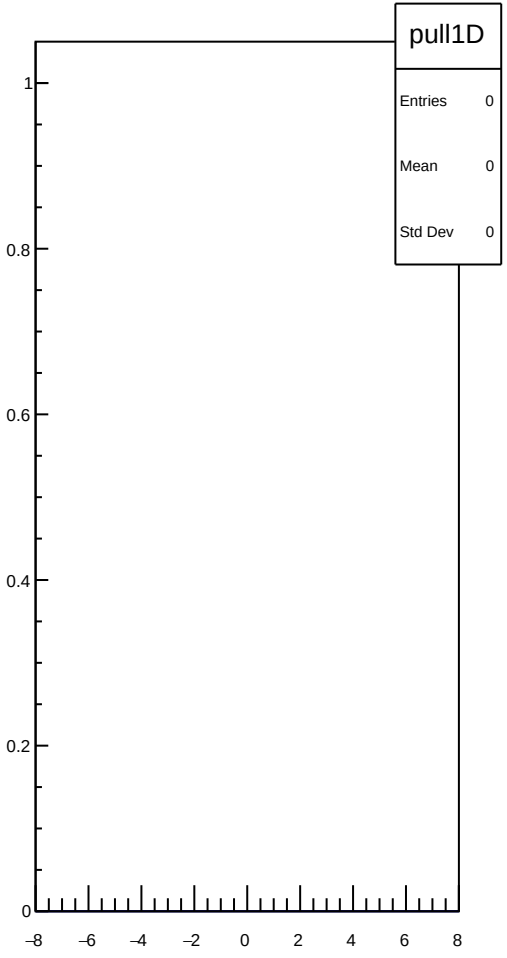

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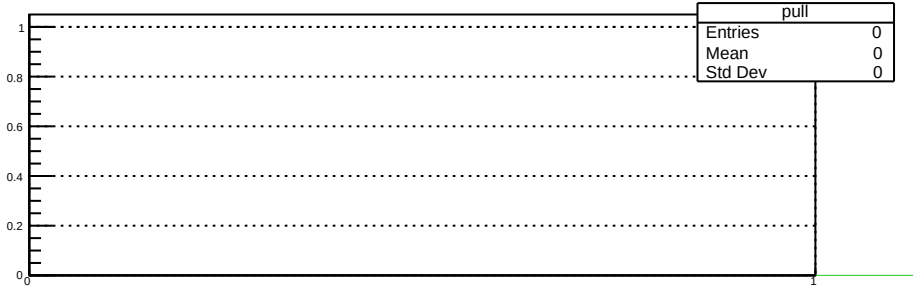

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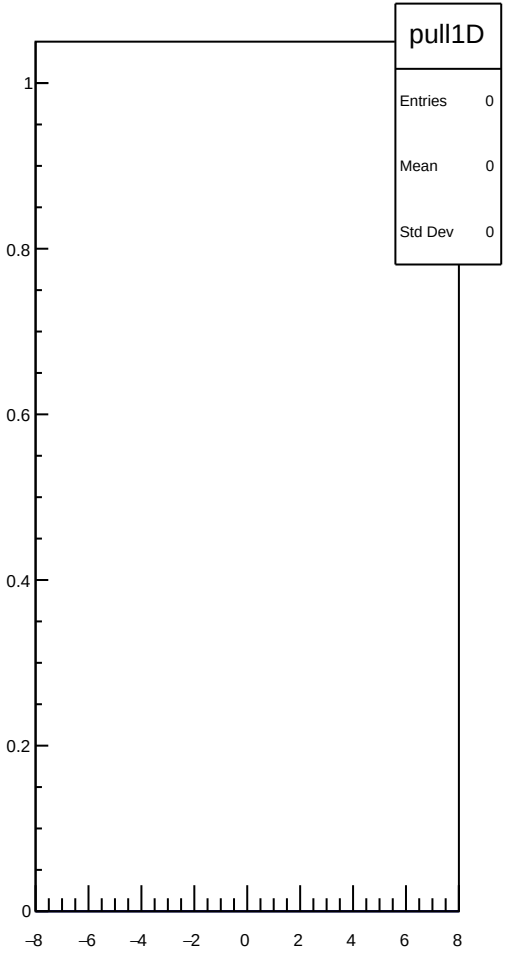

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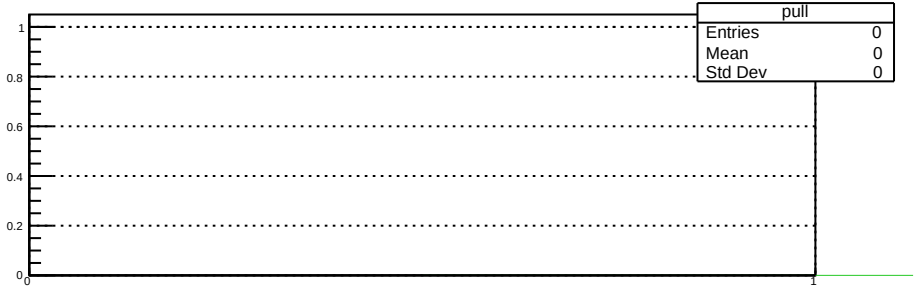

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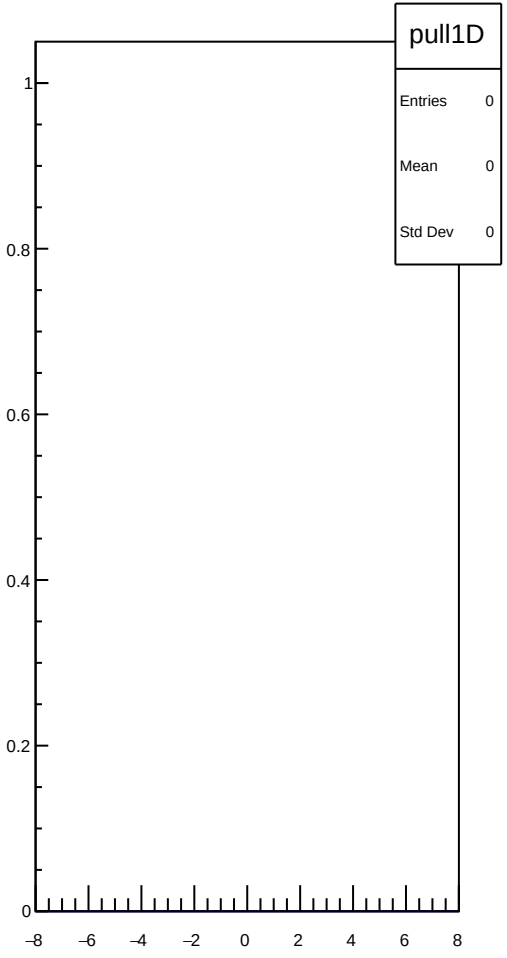

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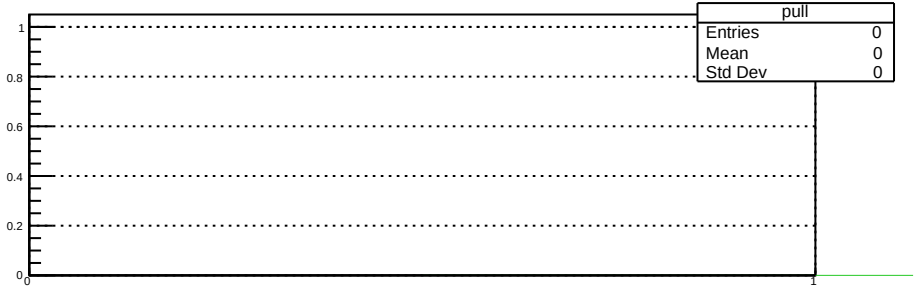

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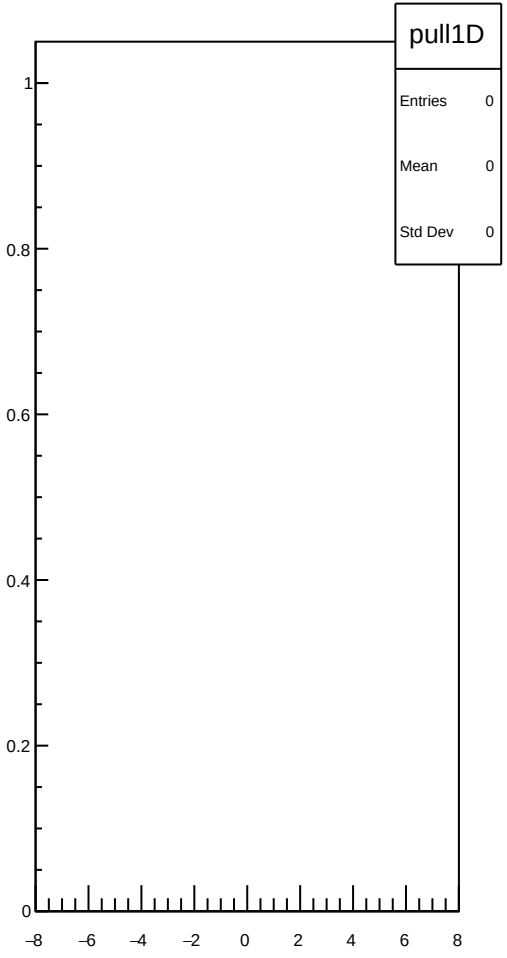

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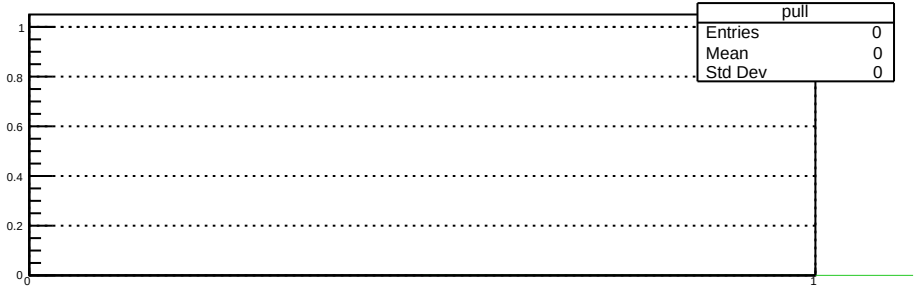

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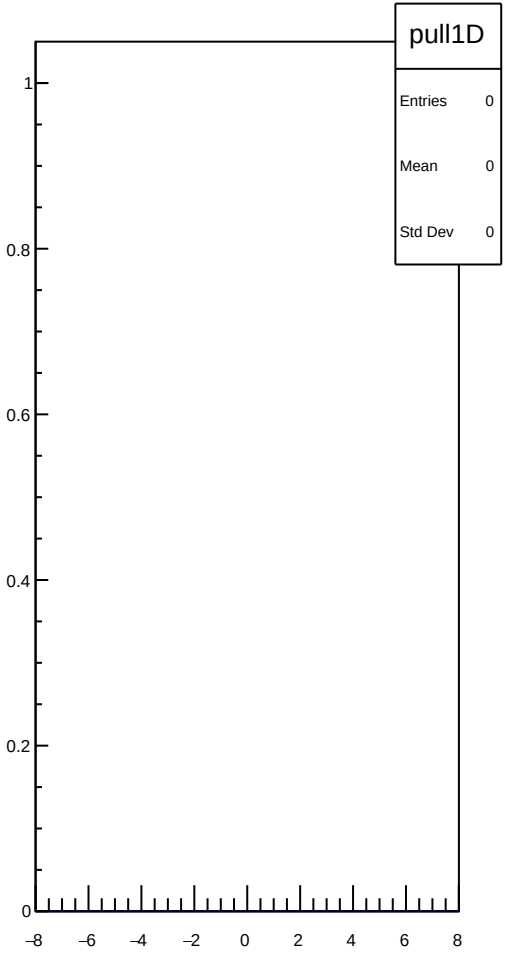

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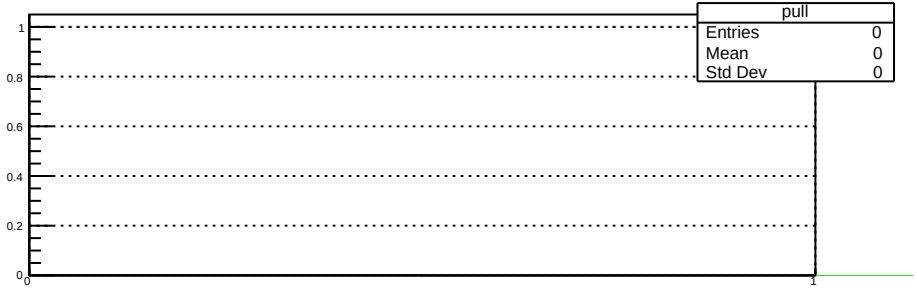

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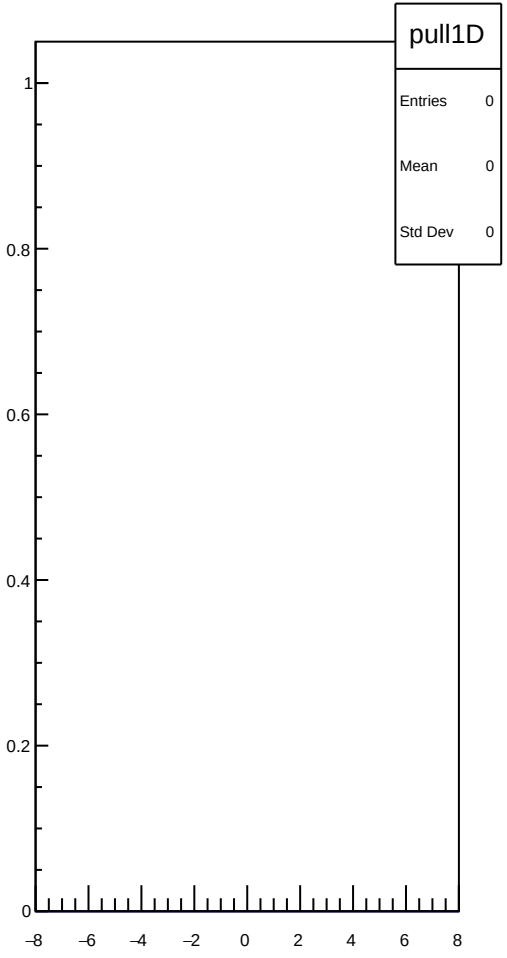

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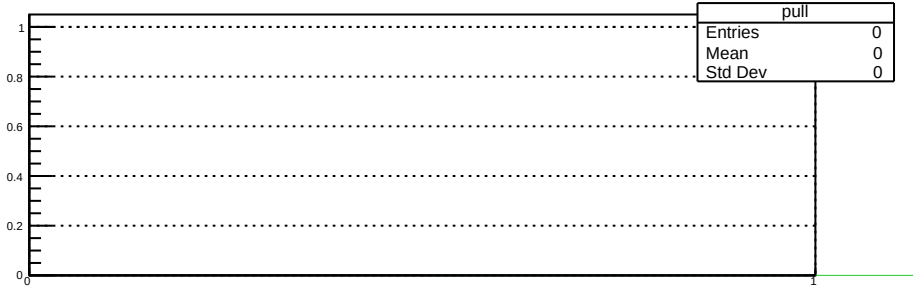

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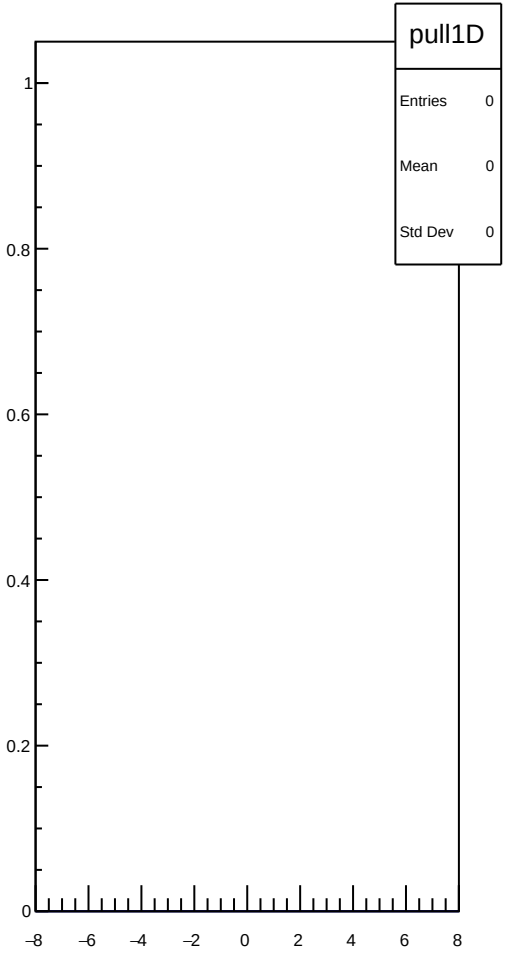

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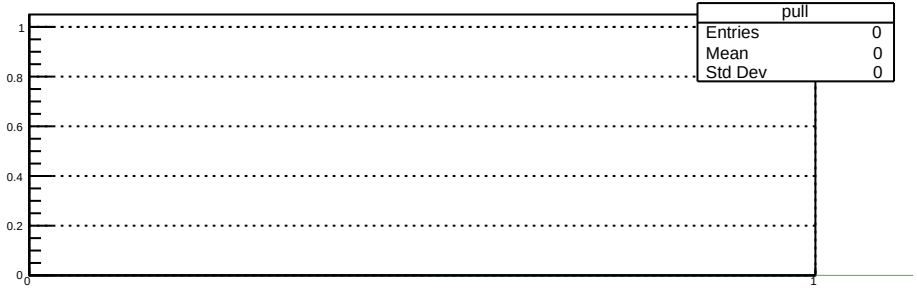

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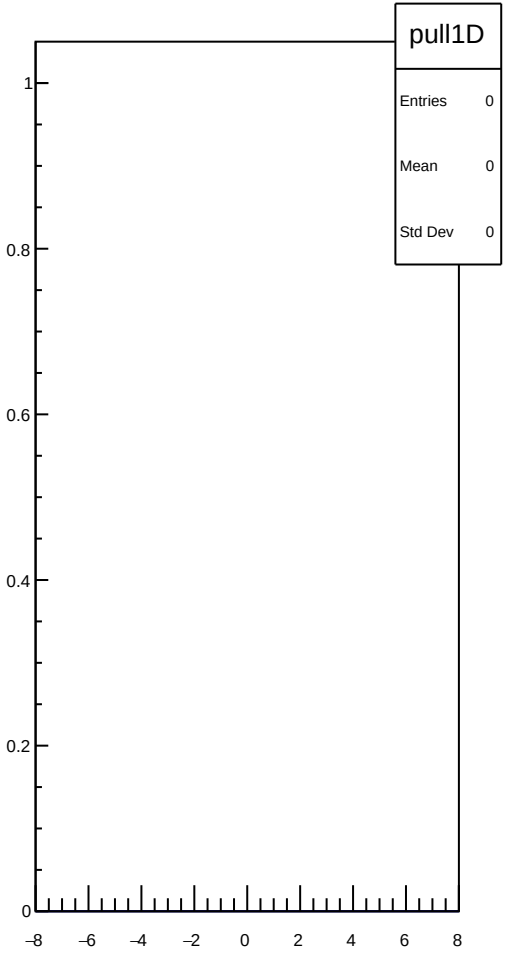

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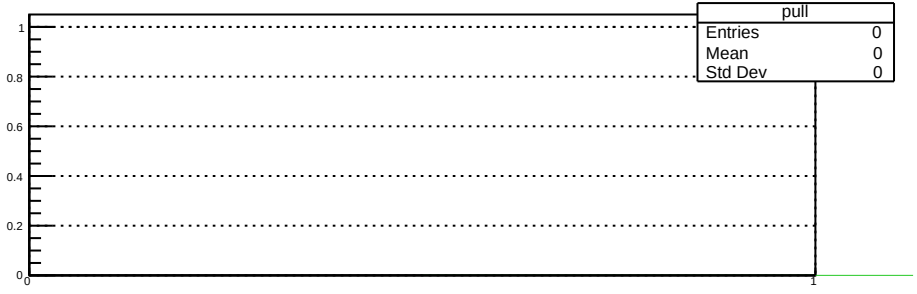

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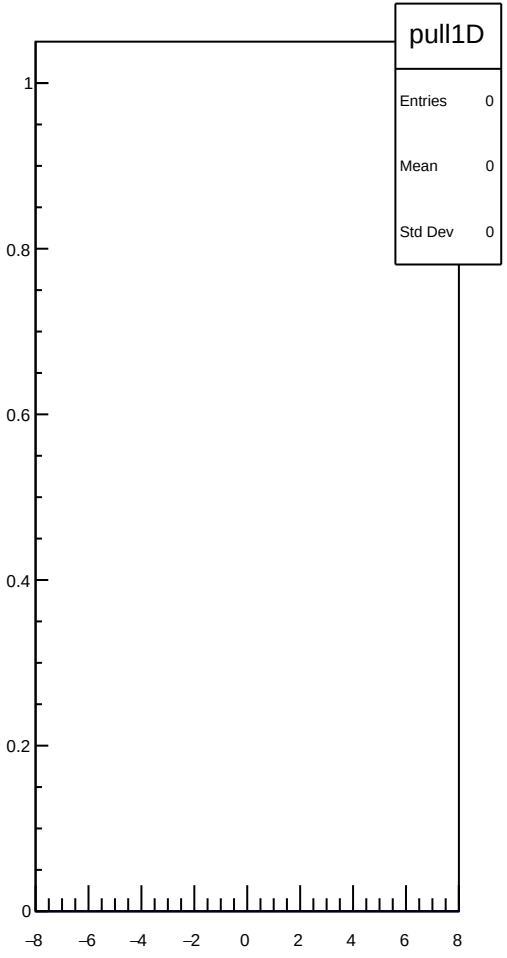

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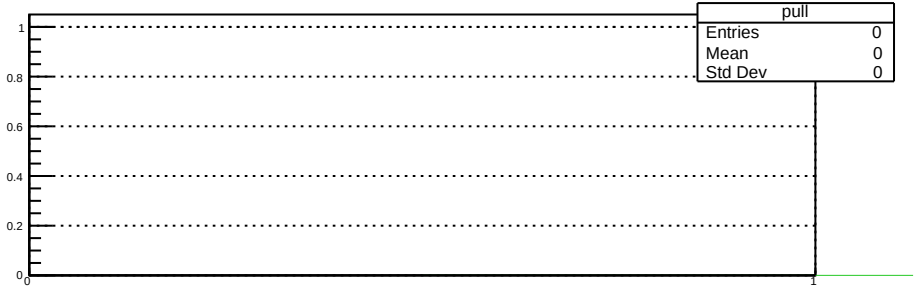

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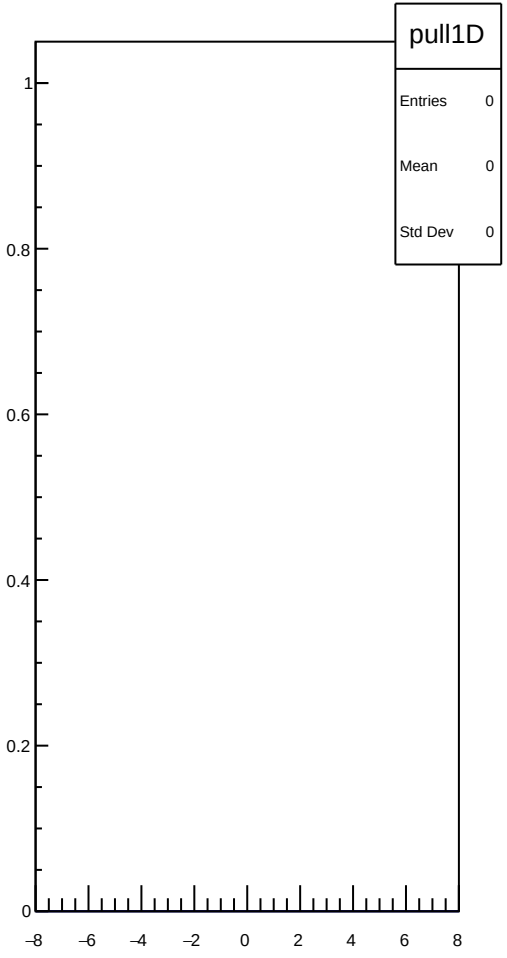

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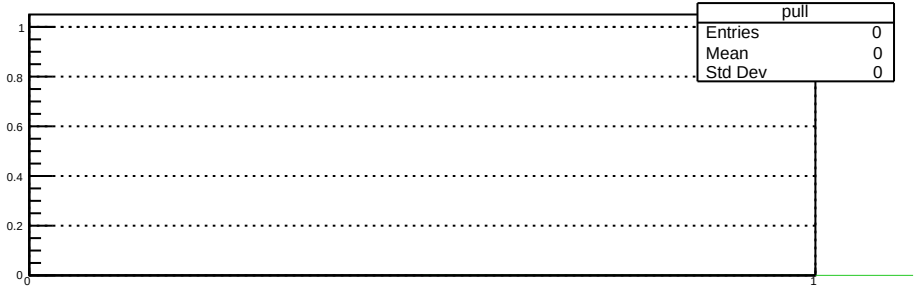

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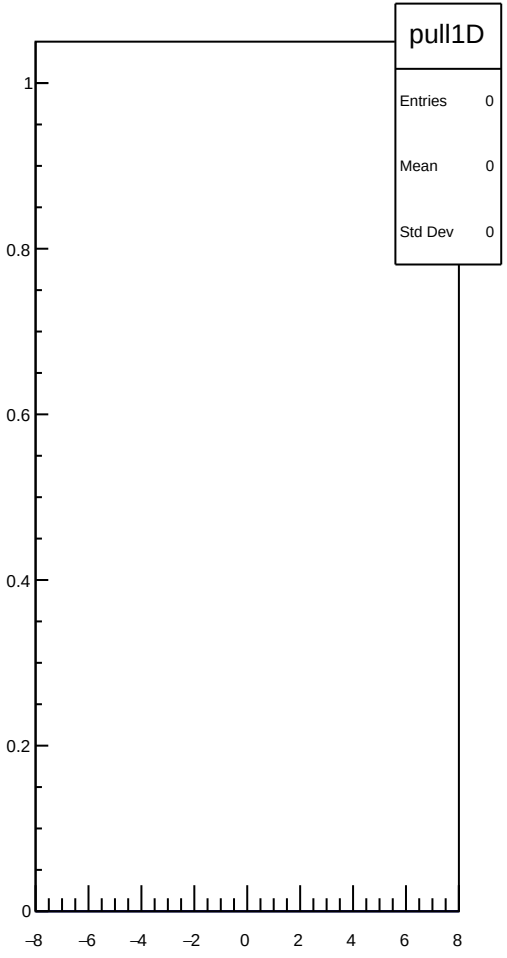

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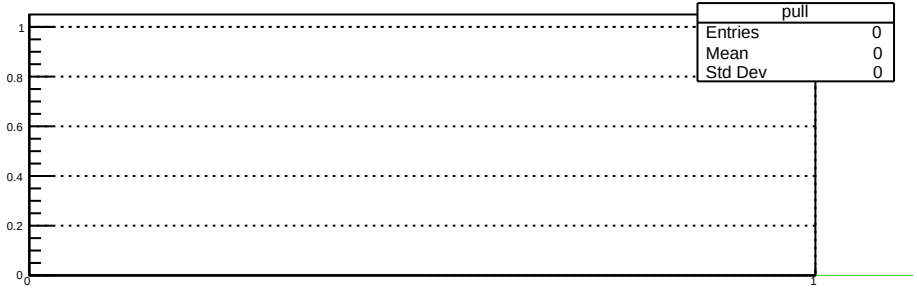

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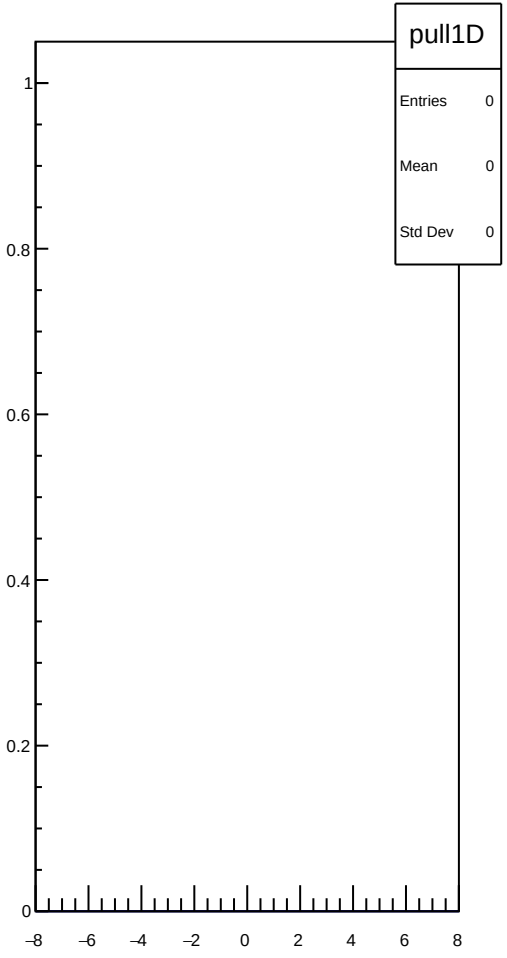

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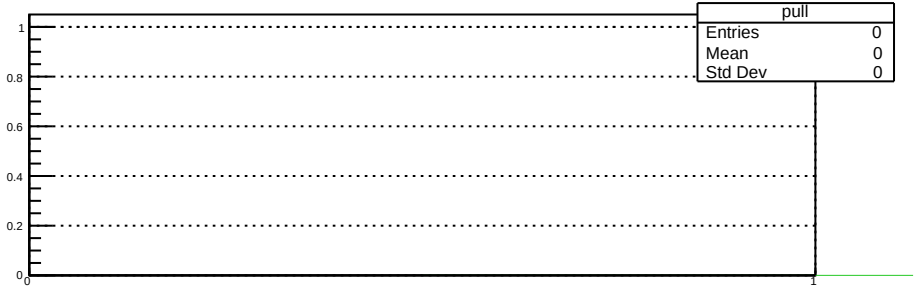

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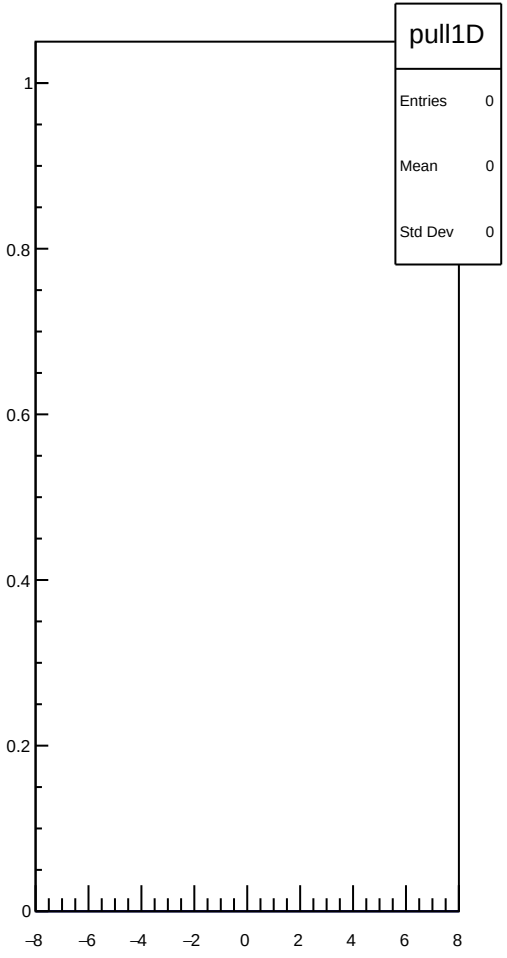

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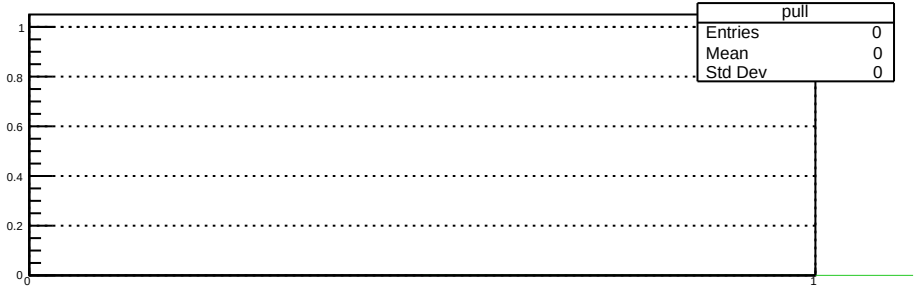

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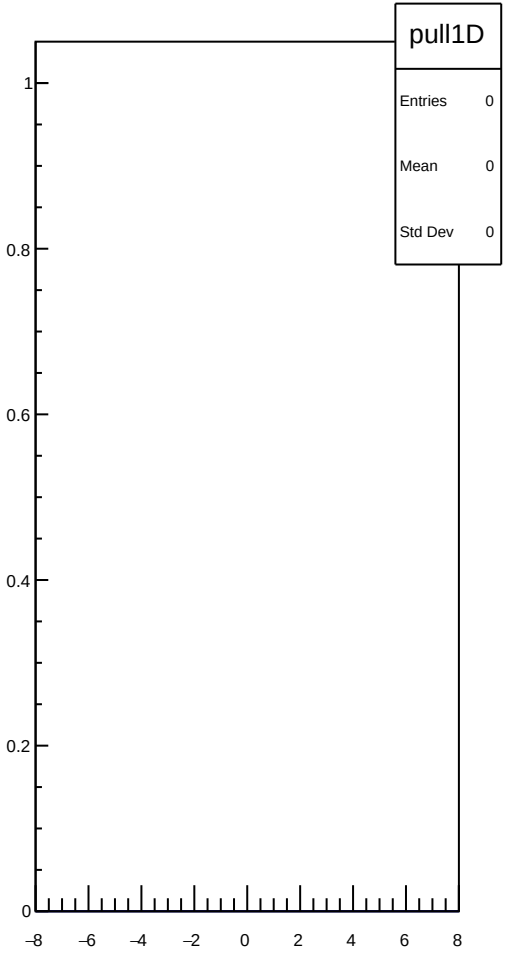

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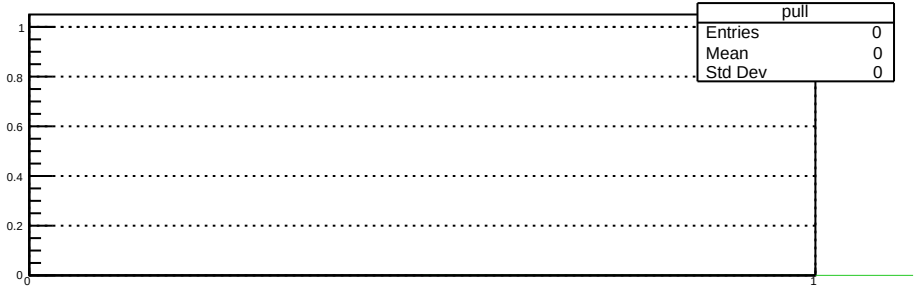

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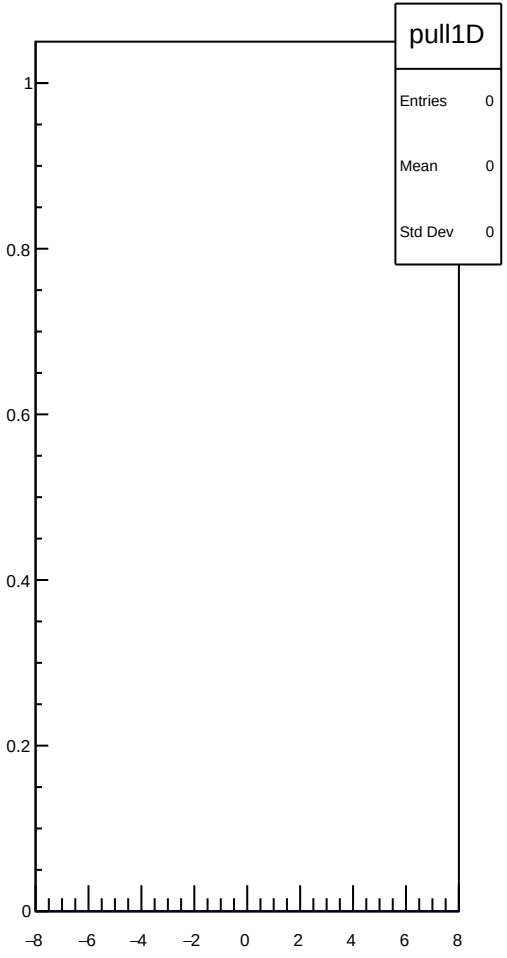

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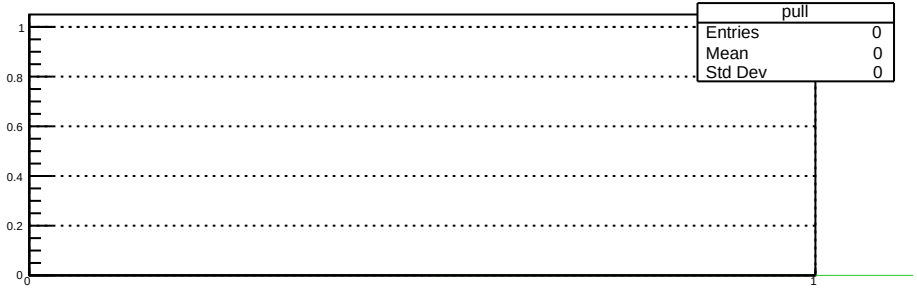

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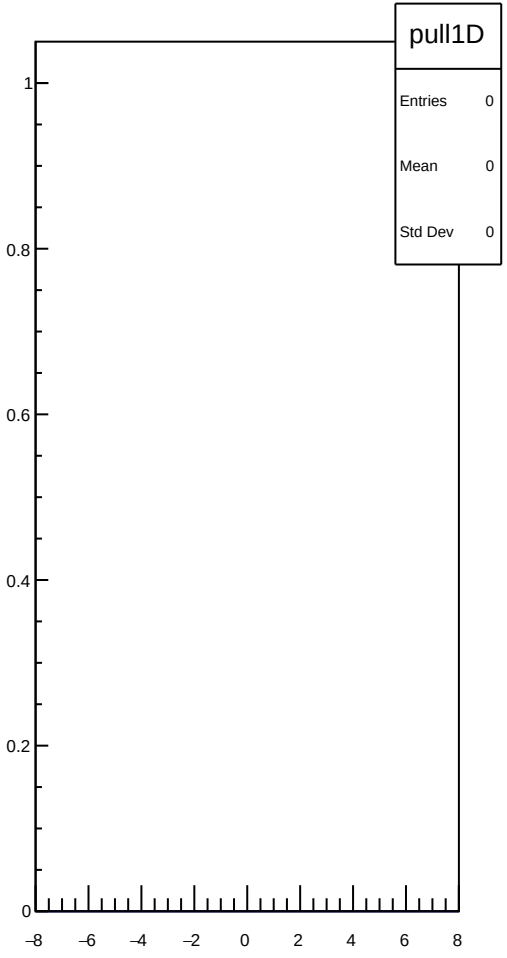

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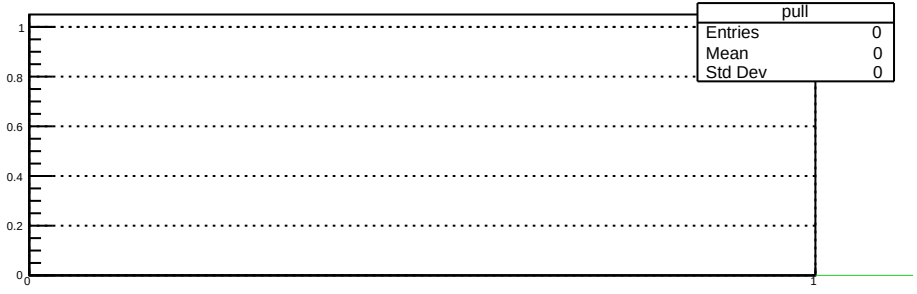

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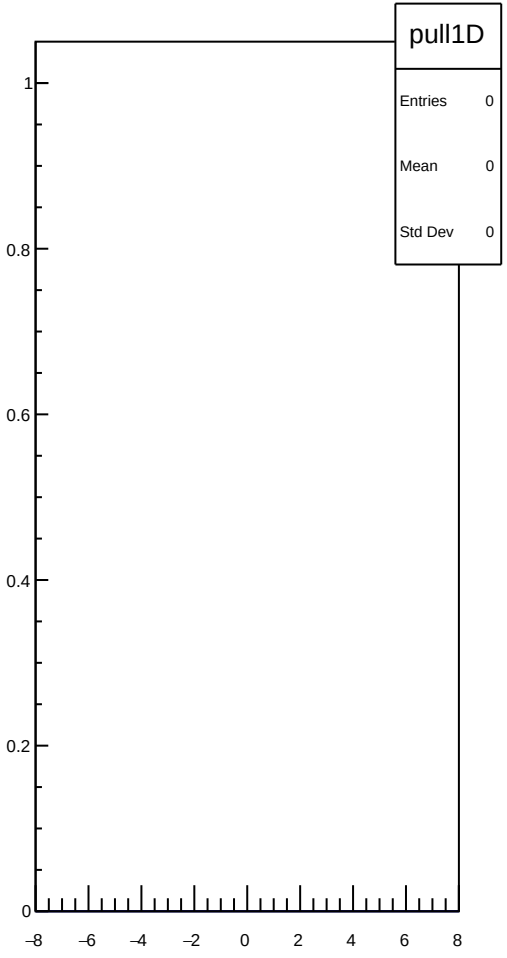

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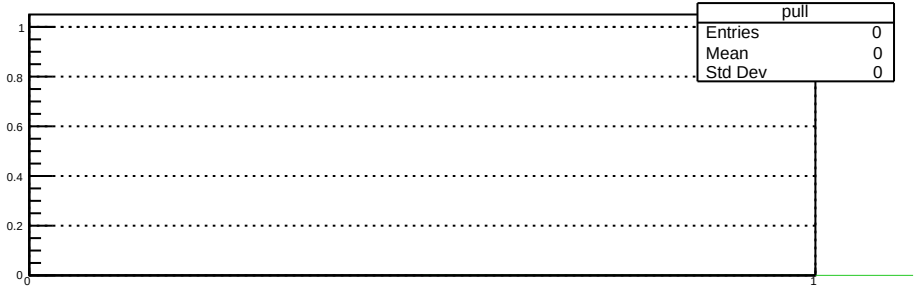

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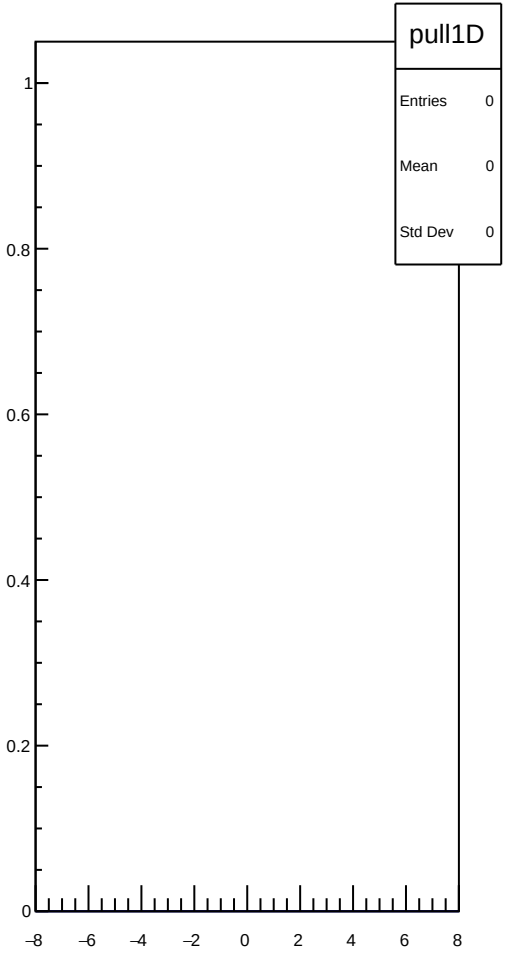

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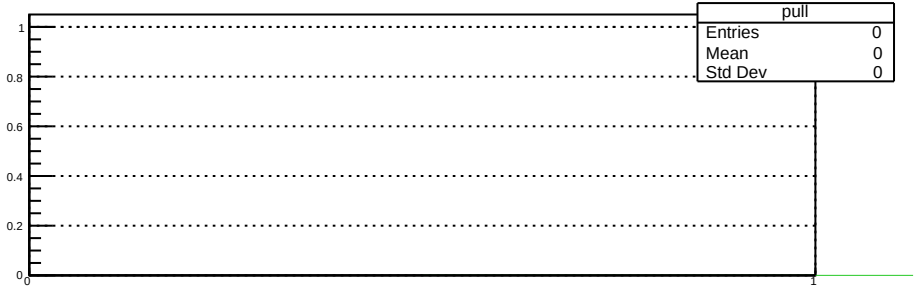

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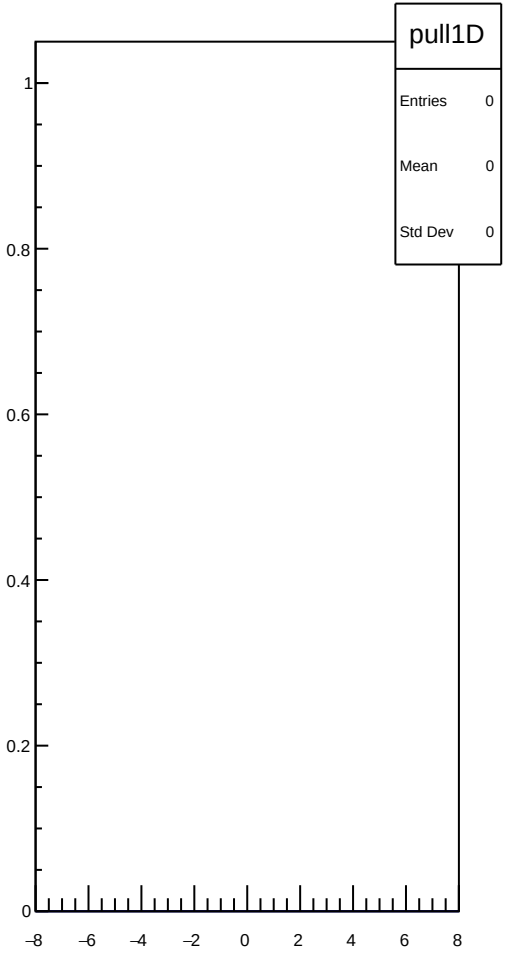

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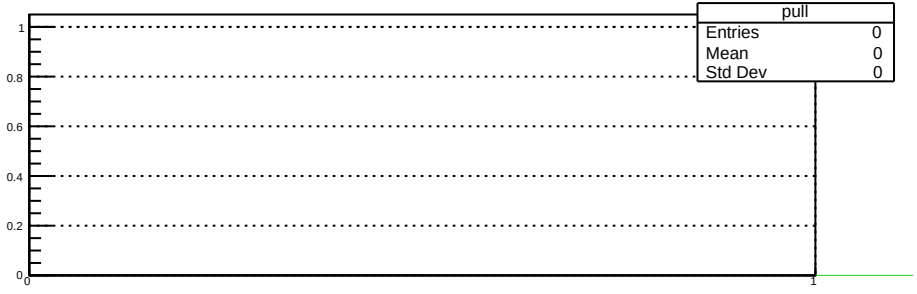

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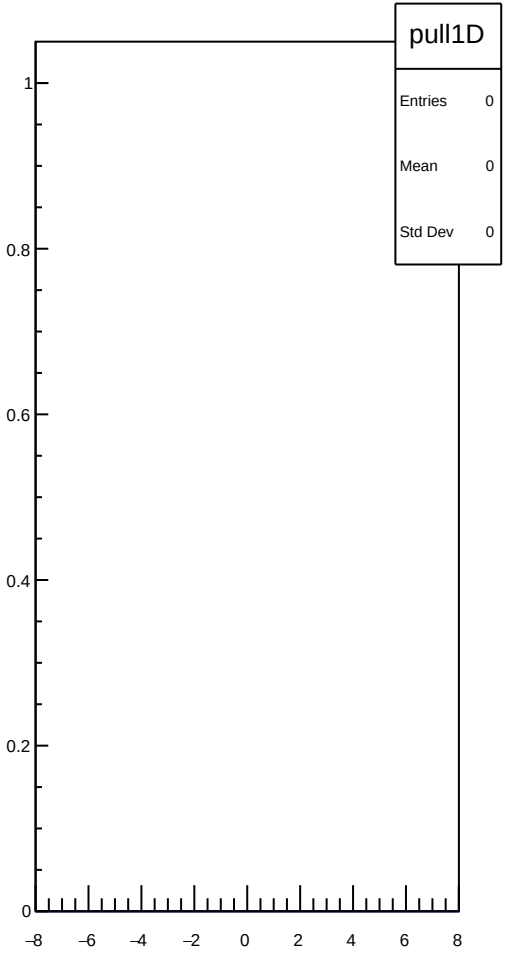

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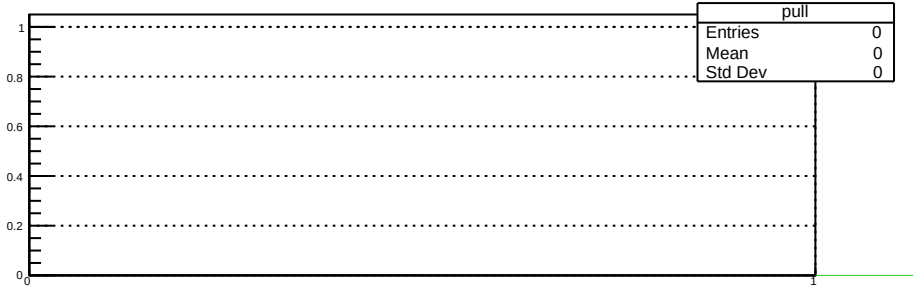

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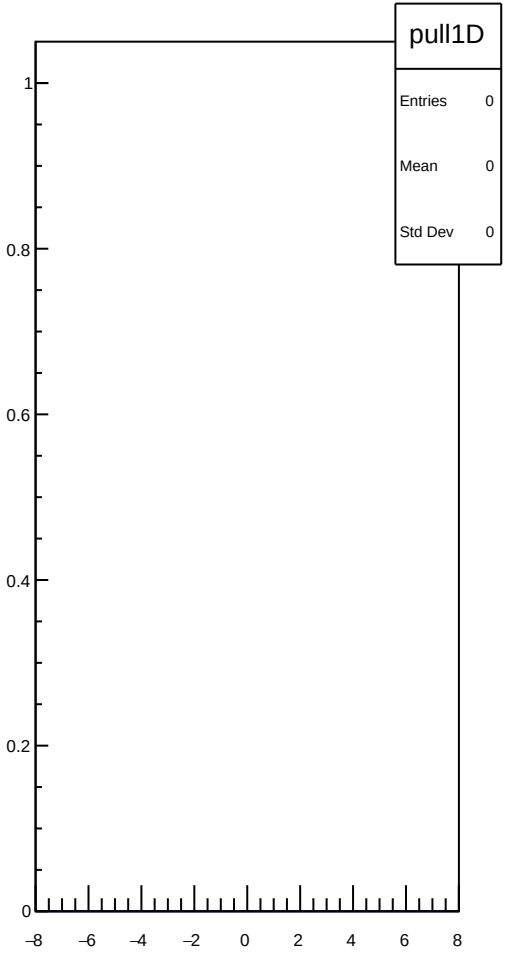

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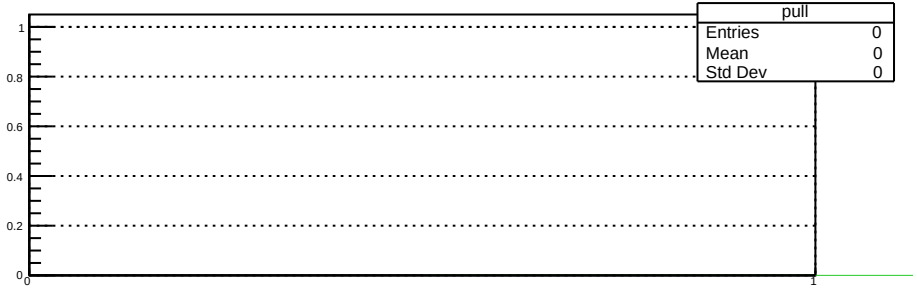

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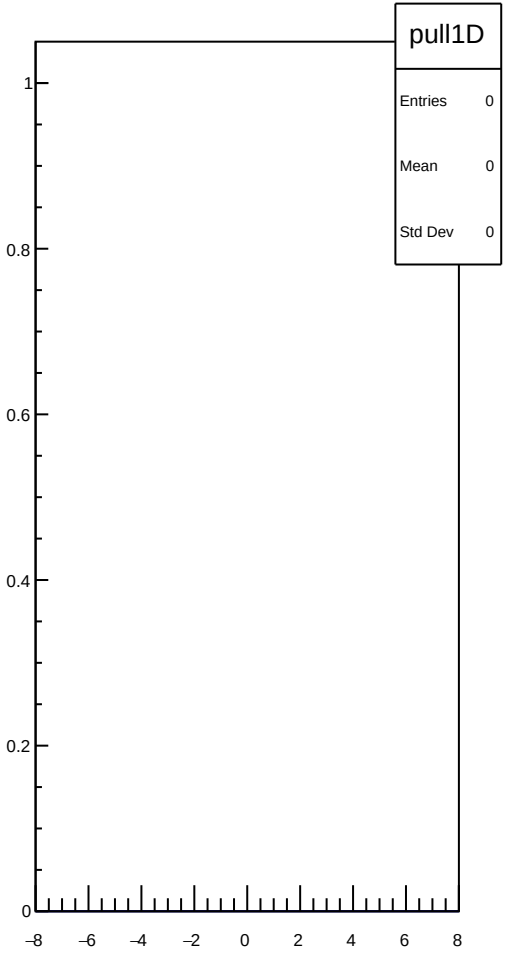

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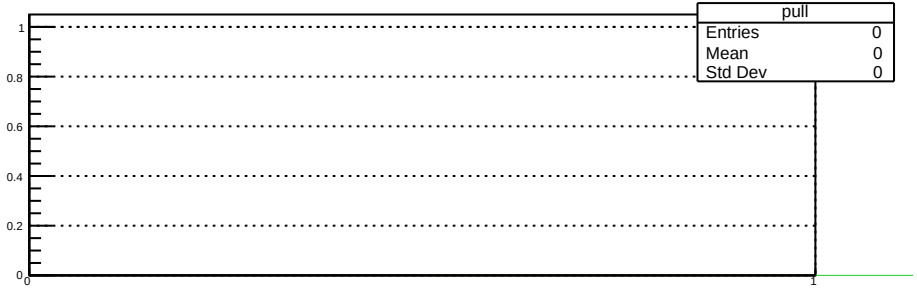

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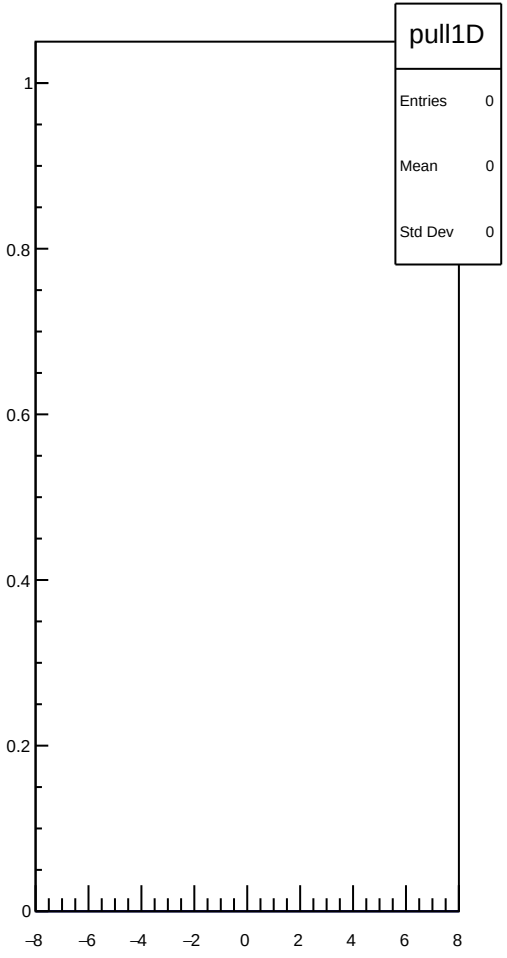

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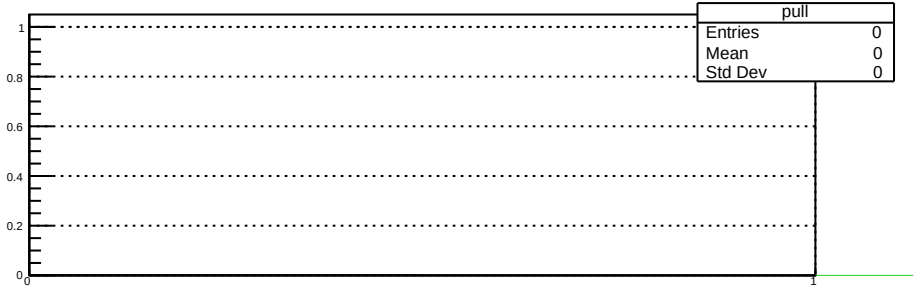

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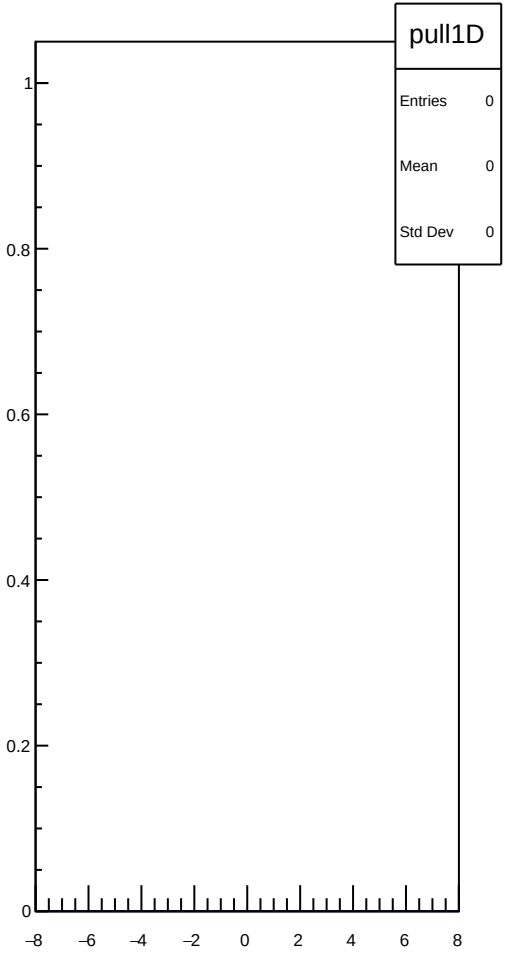

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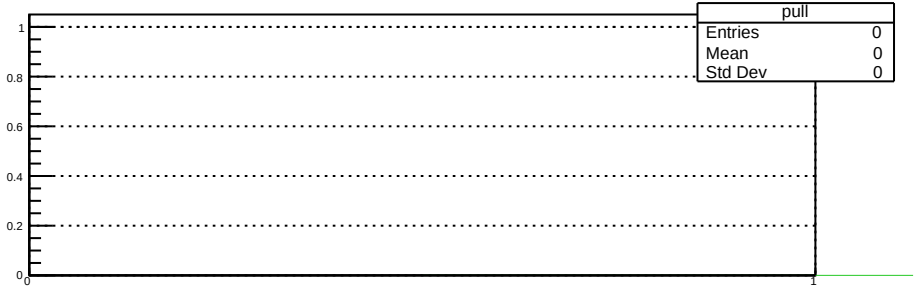

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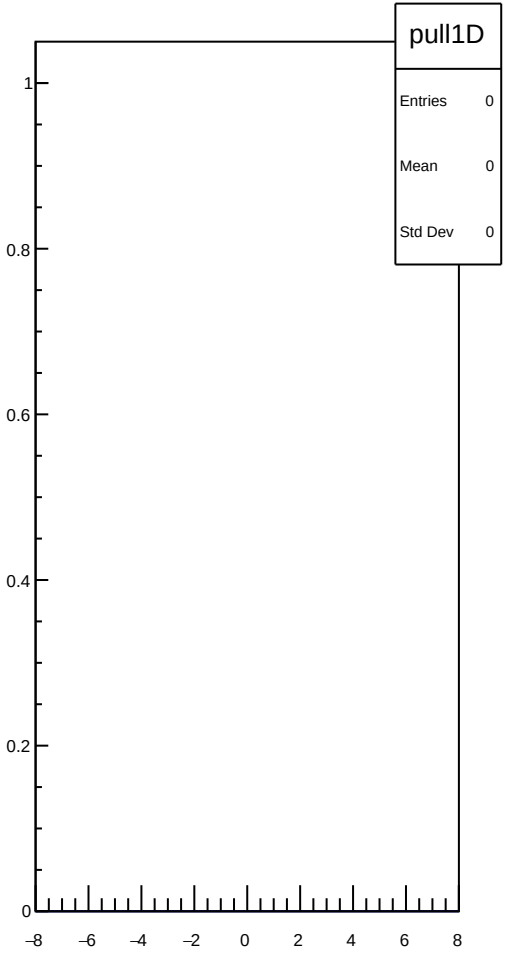

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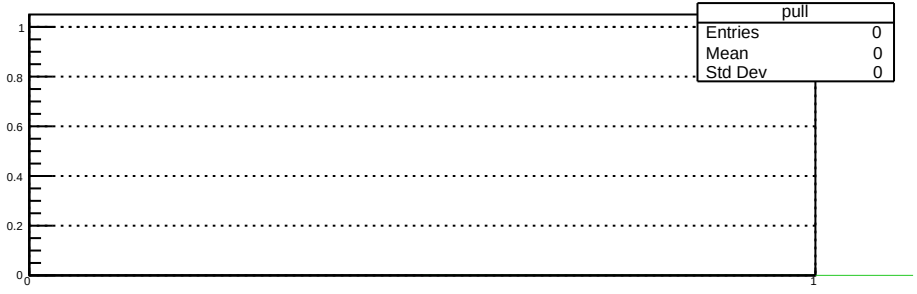

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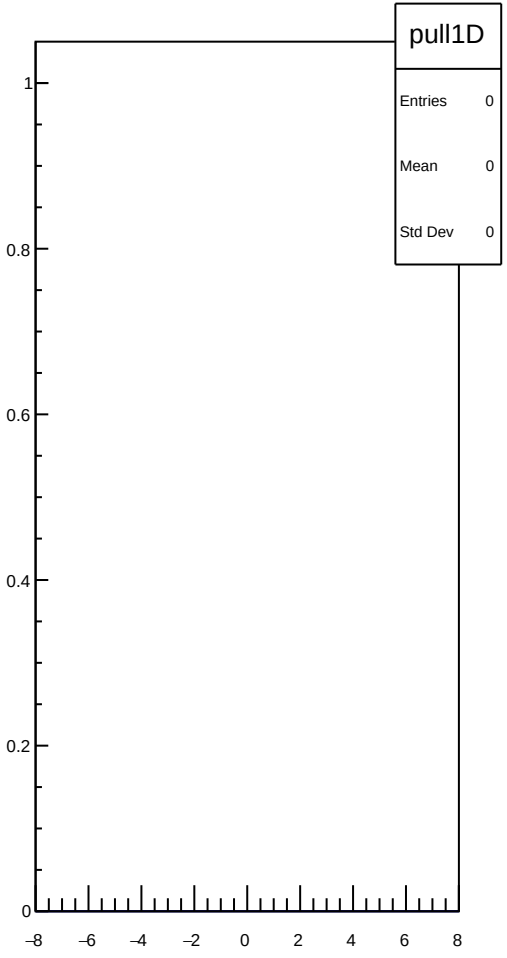

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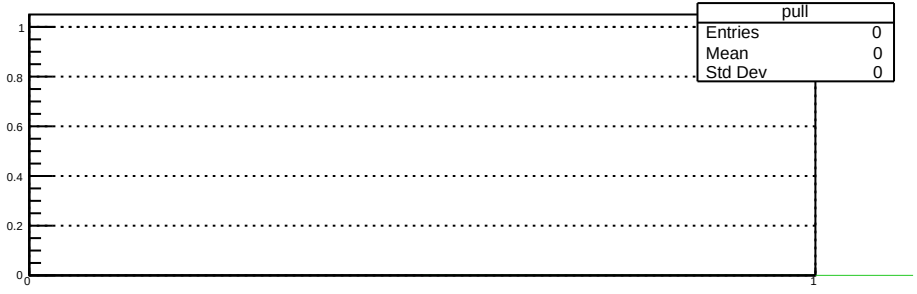

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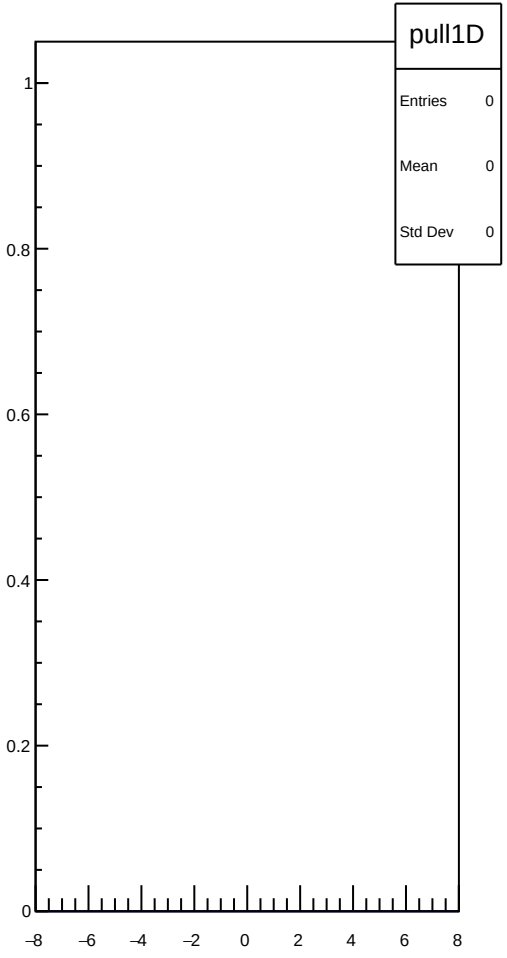

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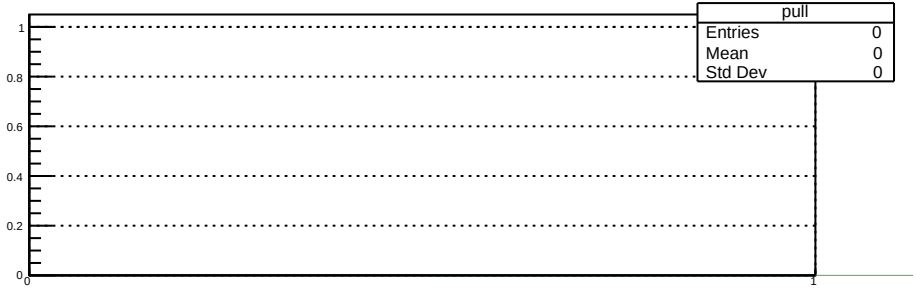

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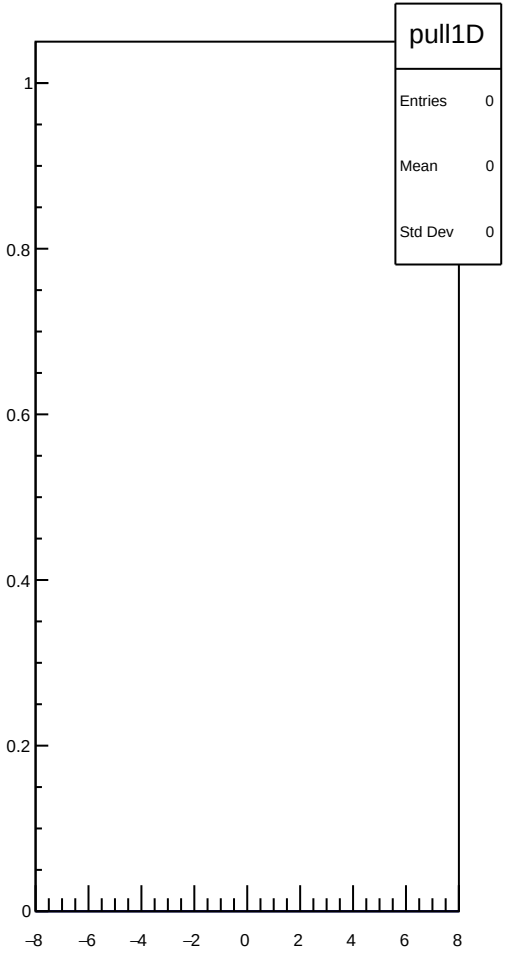

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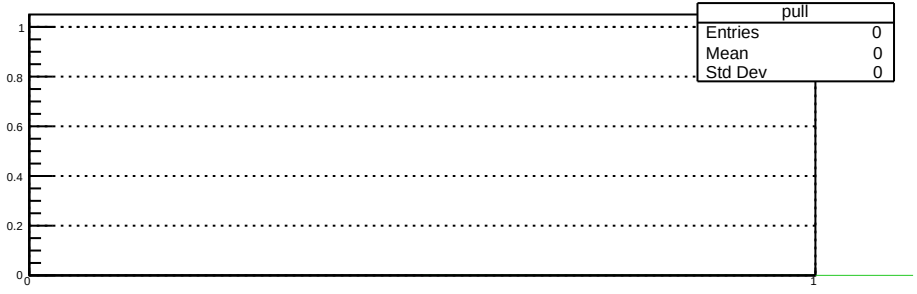

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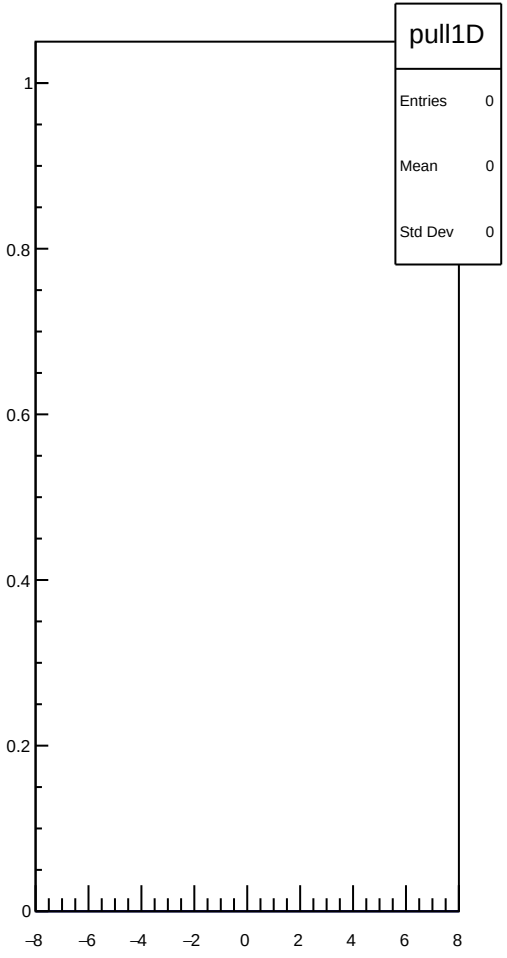

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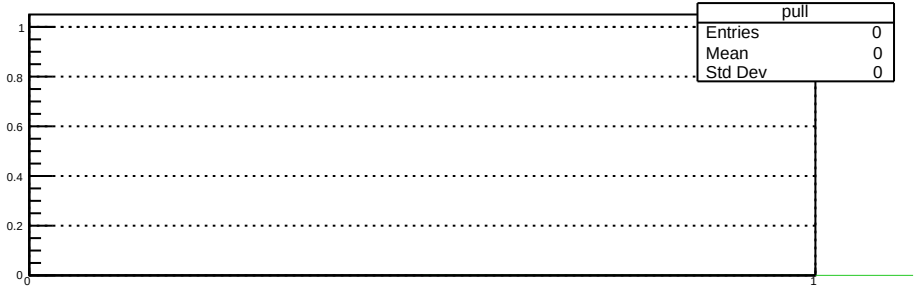

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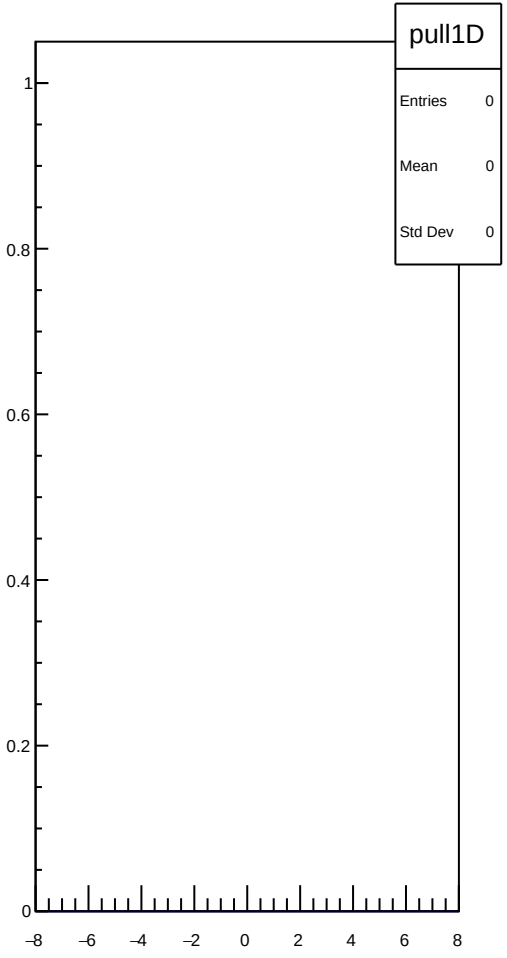

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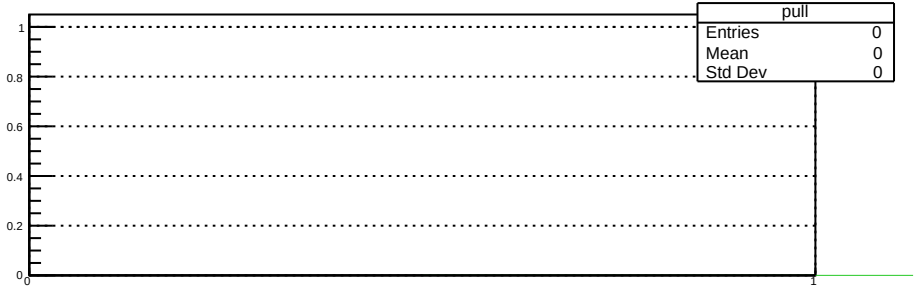

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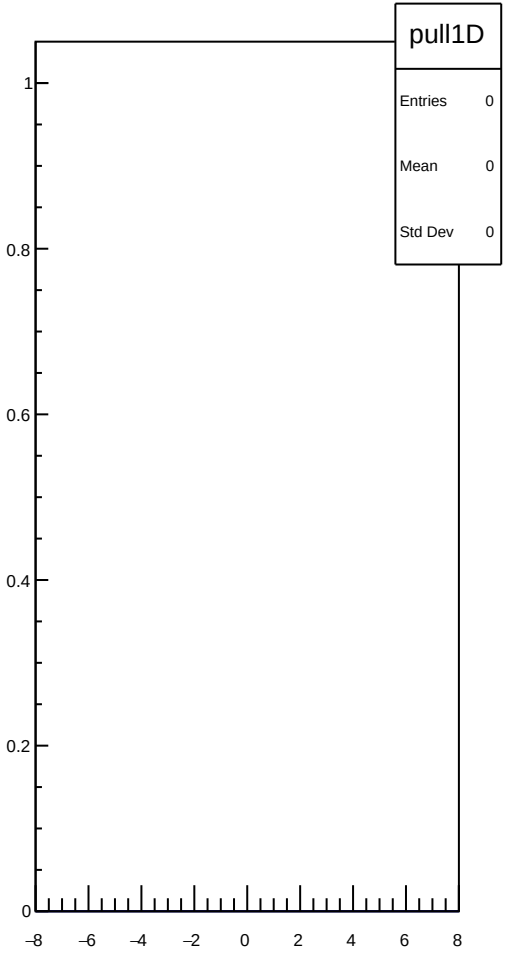

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

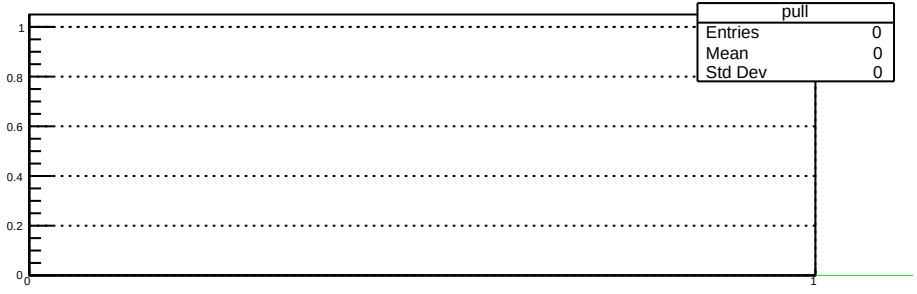

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–6
–4
–2
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4
6
8

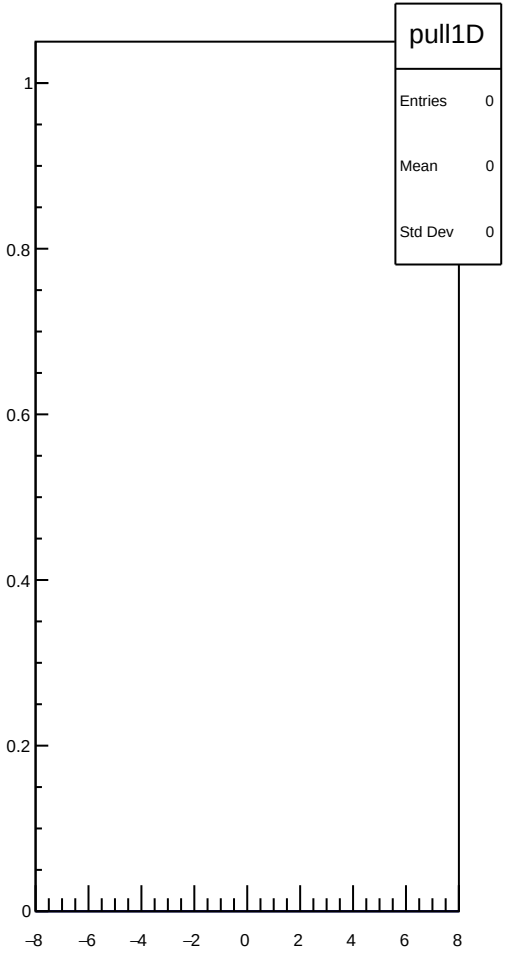

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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1

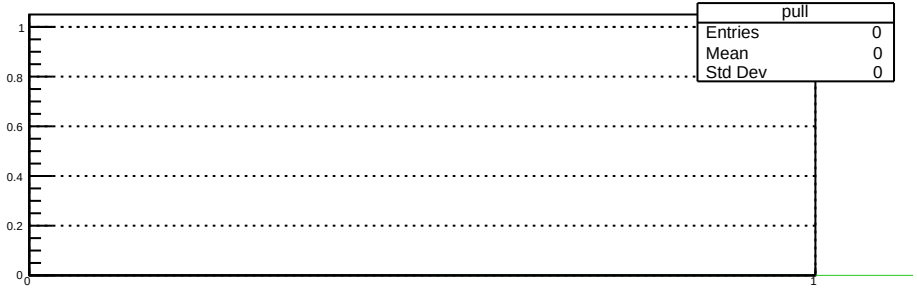

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–4
–2
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4
6
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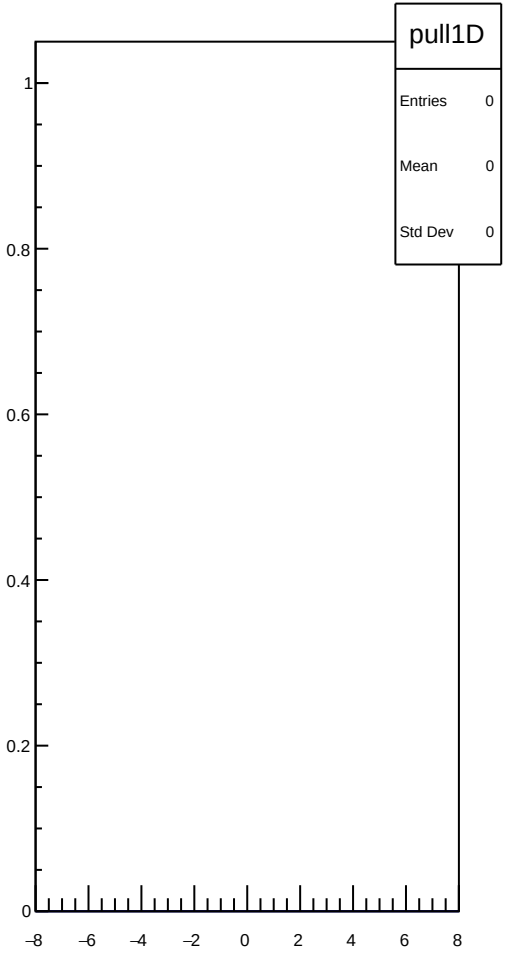

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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1

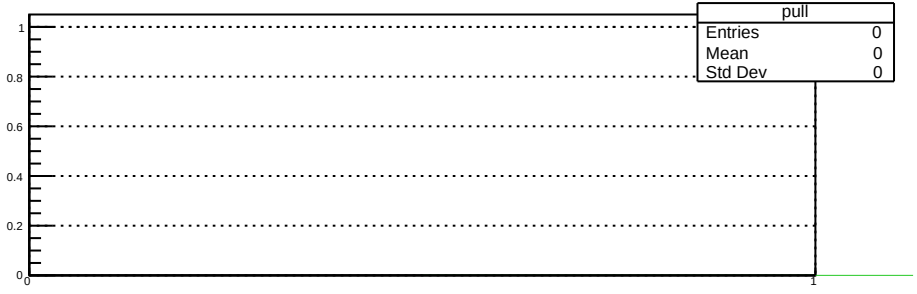

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–4
–2
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6
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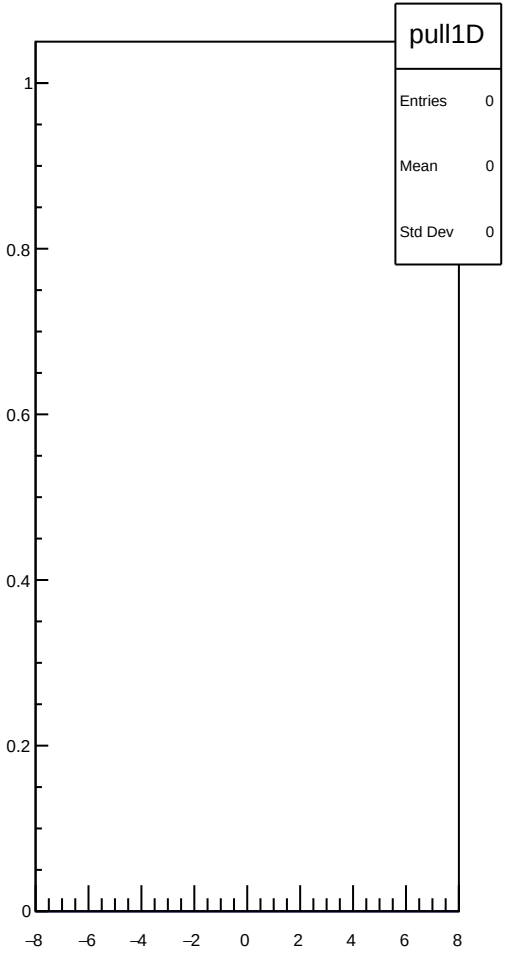

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

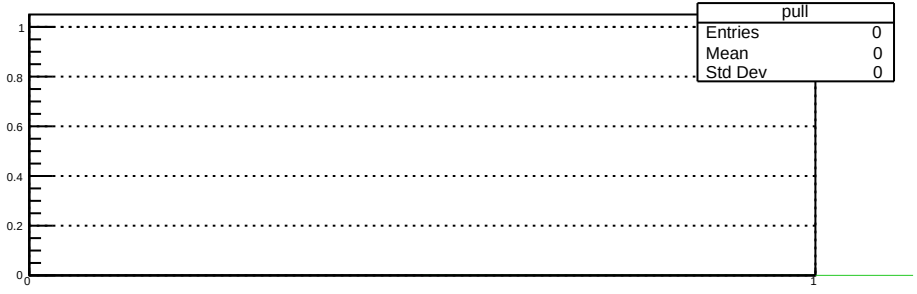

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
–2
0
2
4
6
8

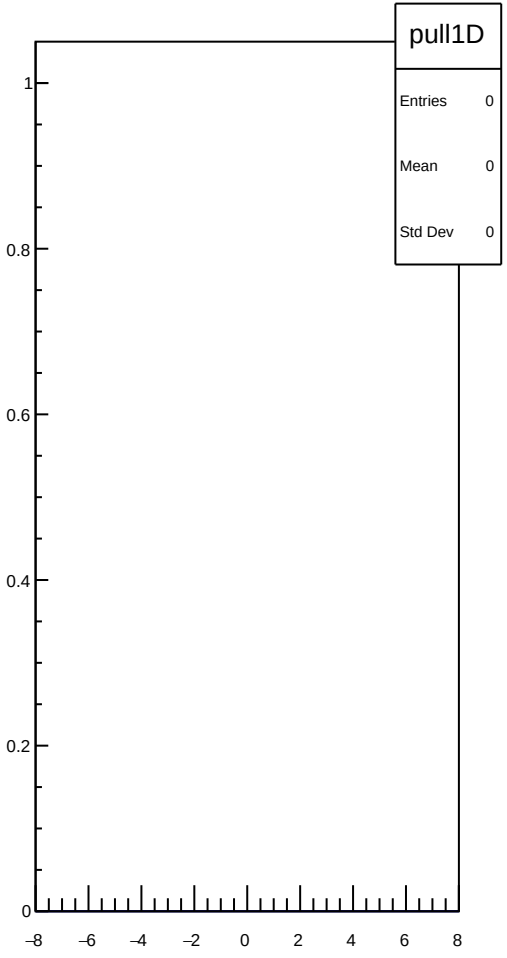

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

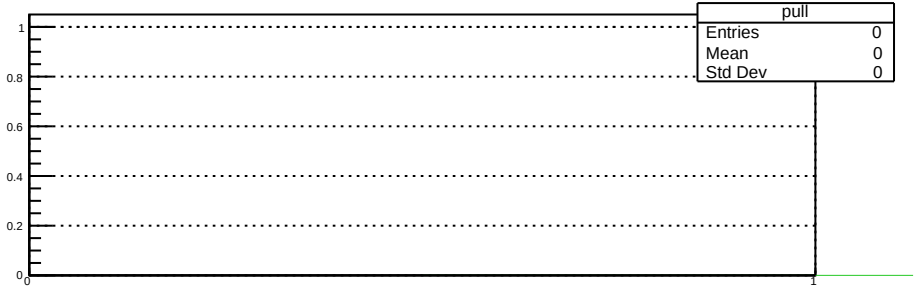

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
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–4
–2
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6
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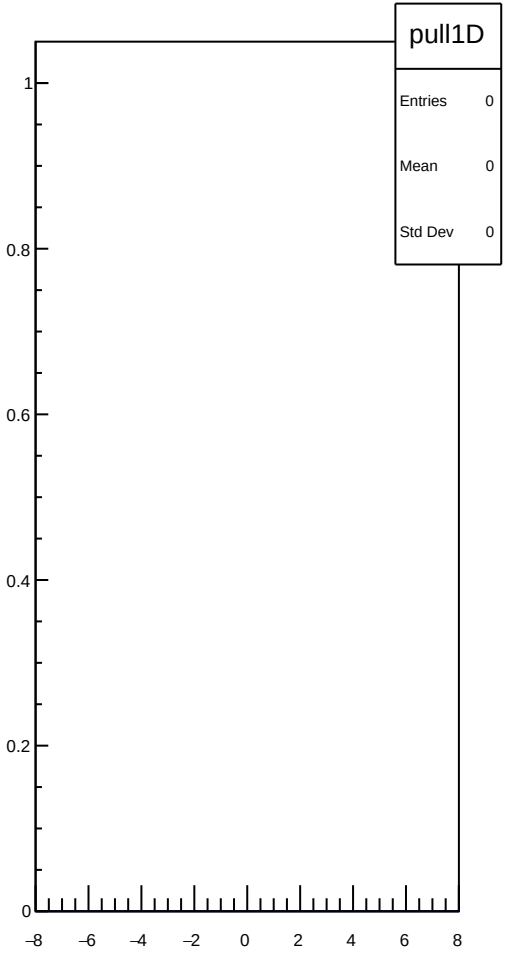

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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1

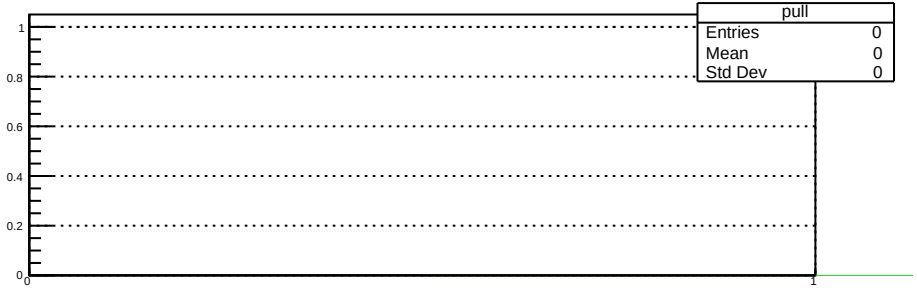

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
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–4
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4
6
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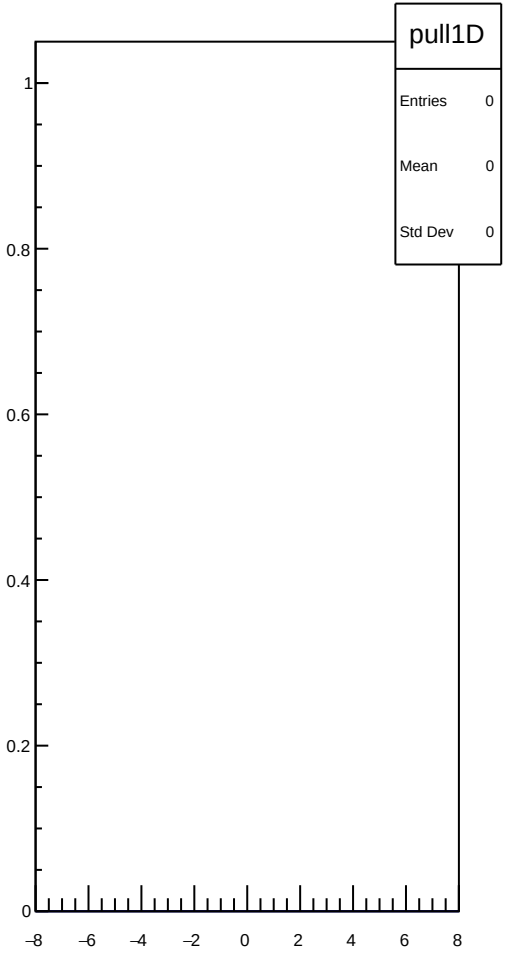

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
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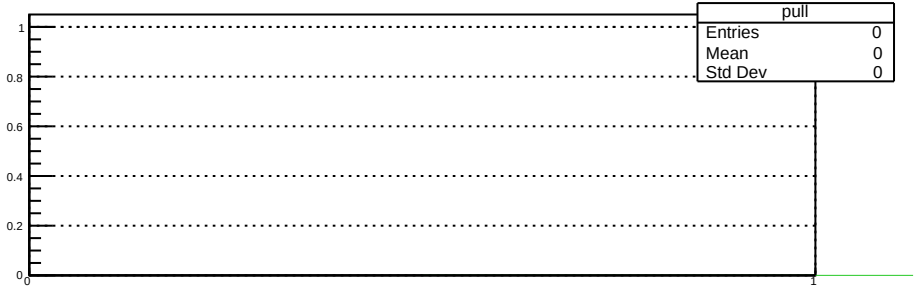

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
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–4
–2
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6
8

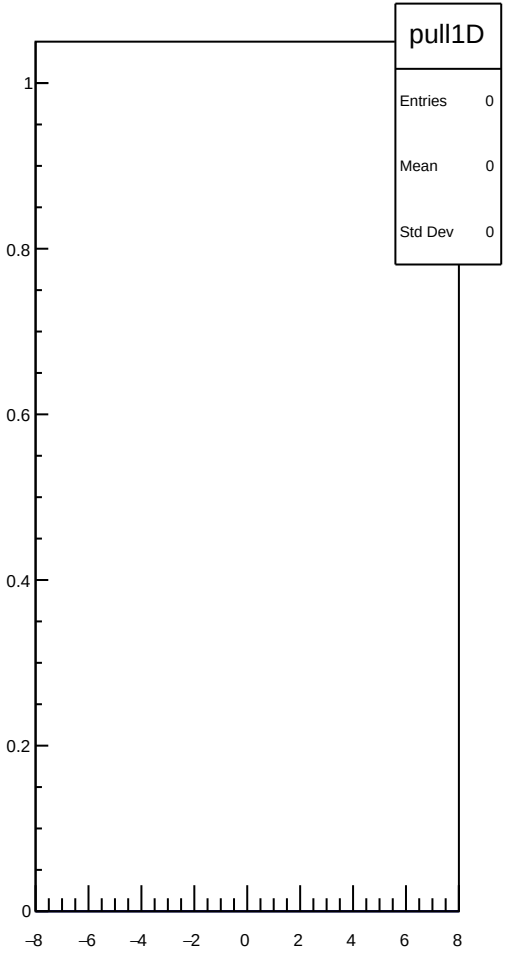

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

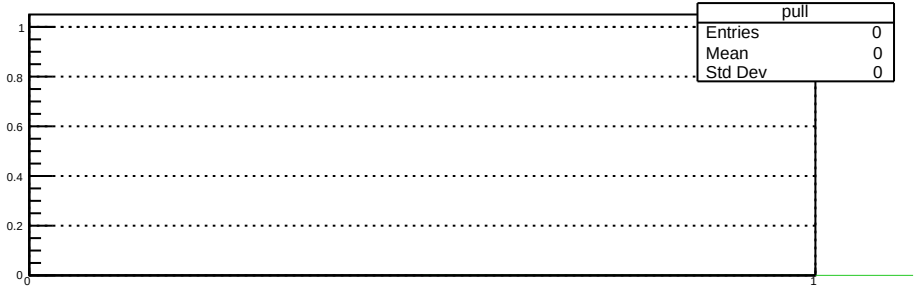

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–8
–6
–4
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4
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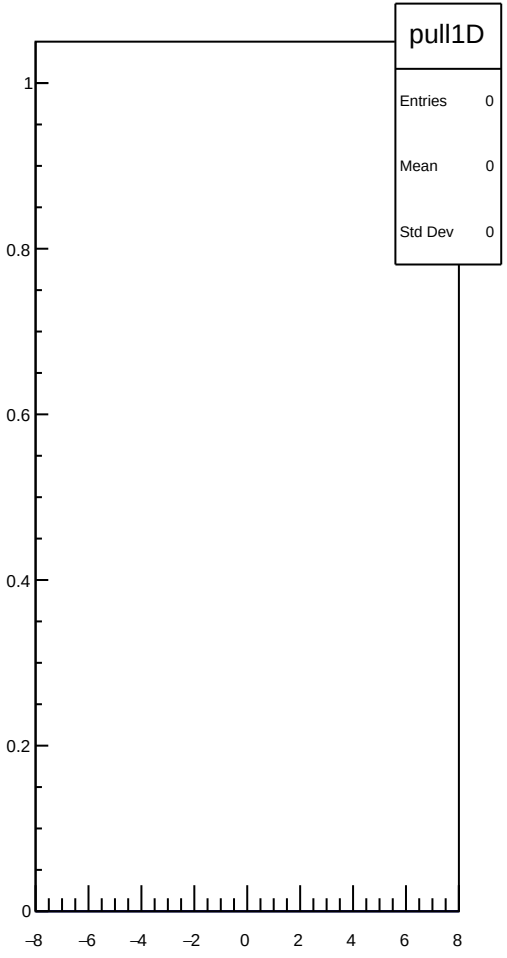

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
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0
0
1

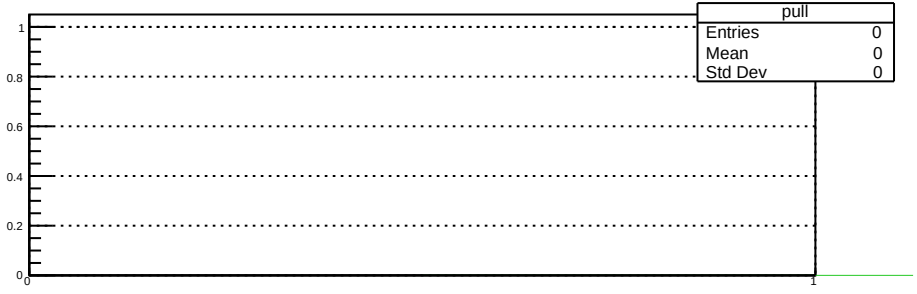

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
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8

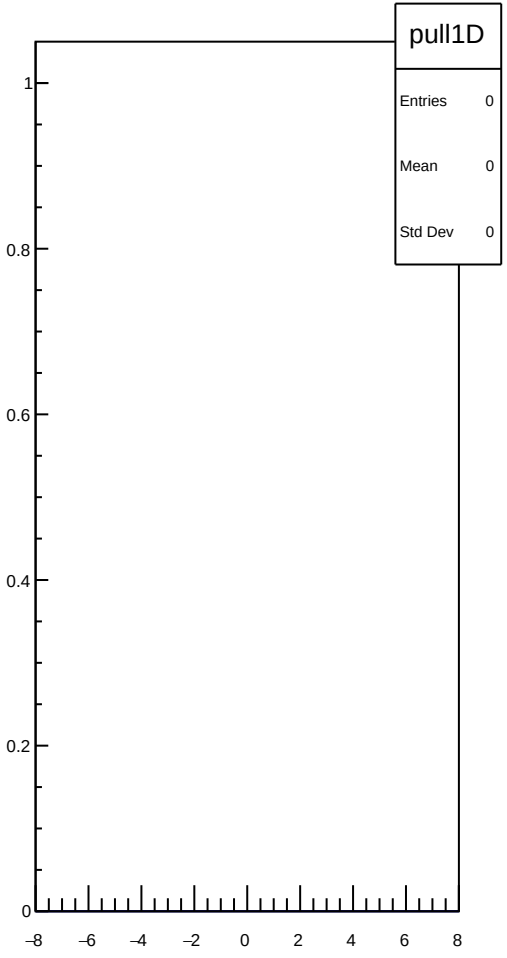

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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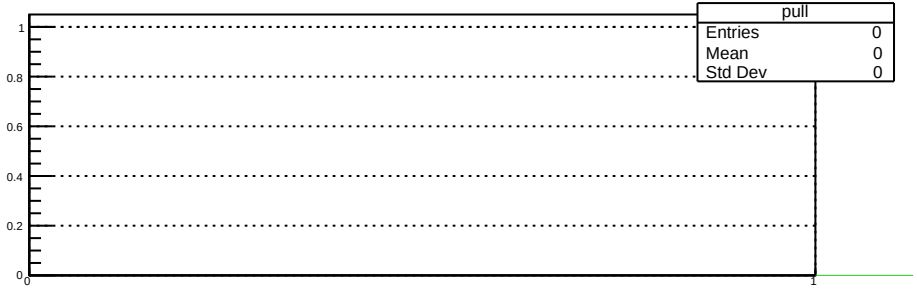

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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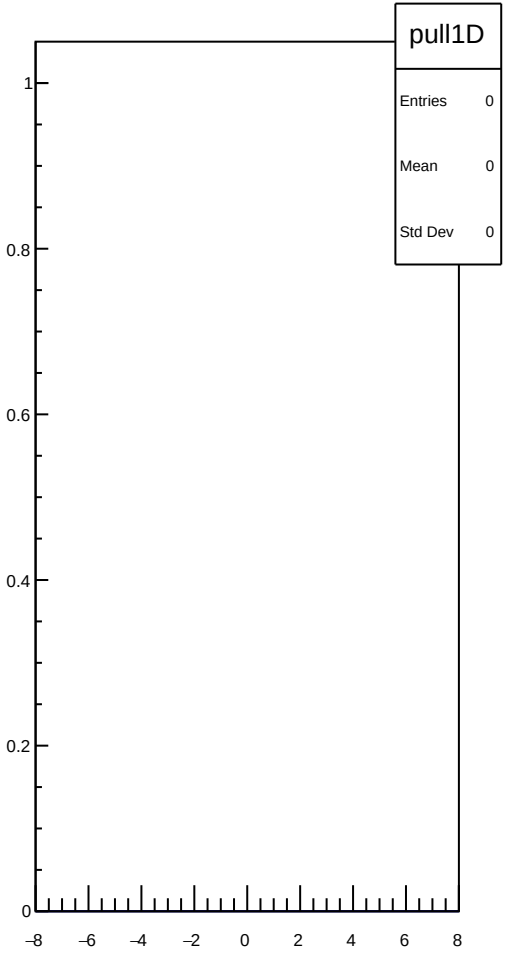

pull
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Mean 0
Std Dev 0
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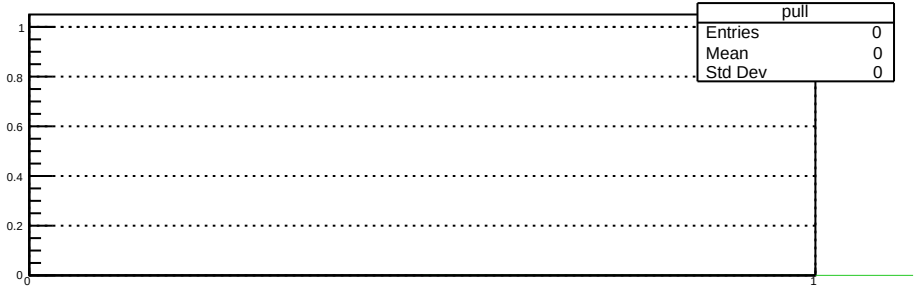

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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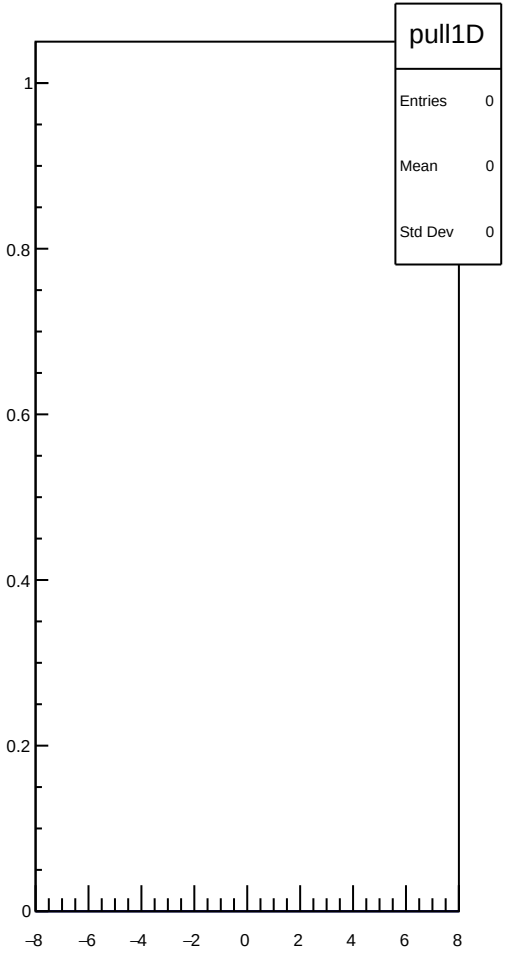

pull
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Mean 0
Std Dev 0
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0.6
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1

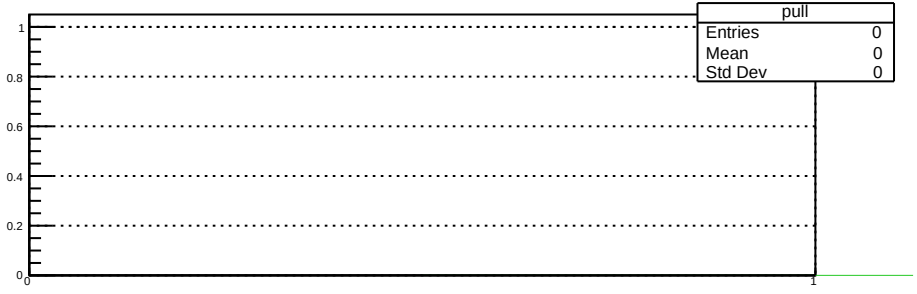

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–8
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–4
–2
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4
6
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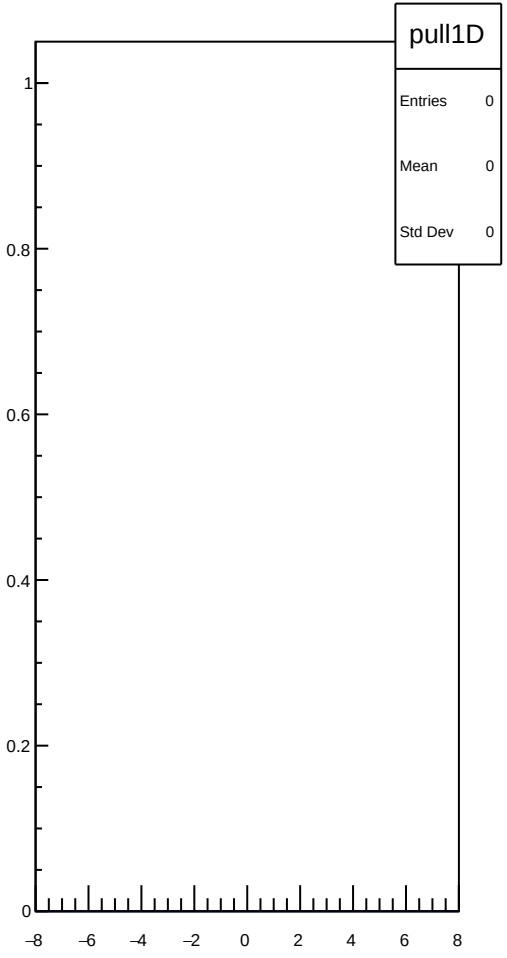

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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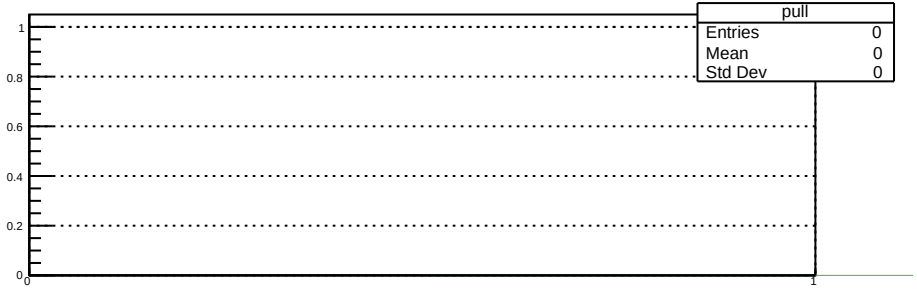

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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–4
–2
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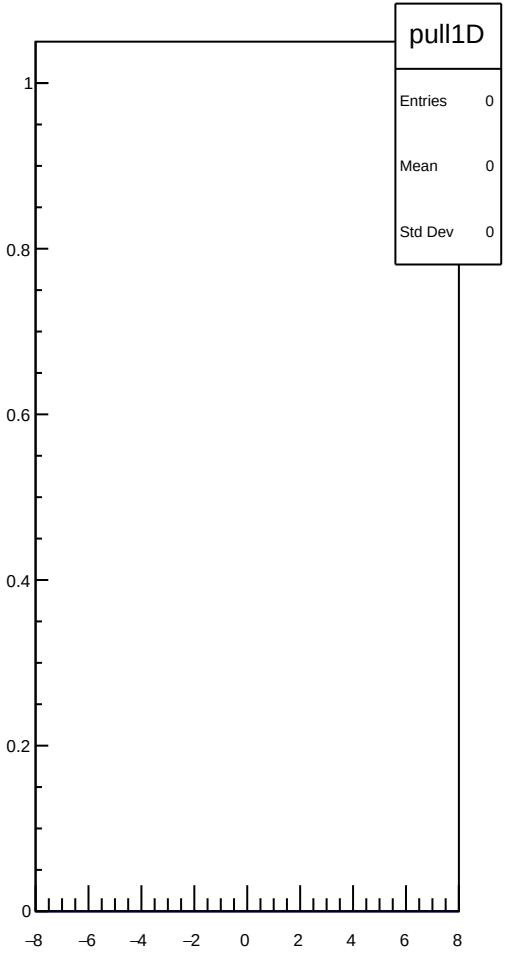

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
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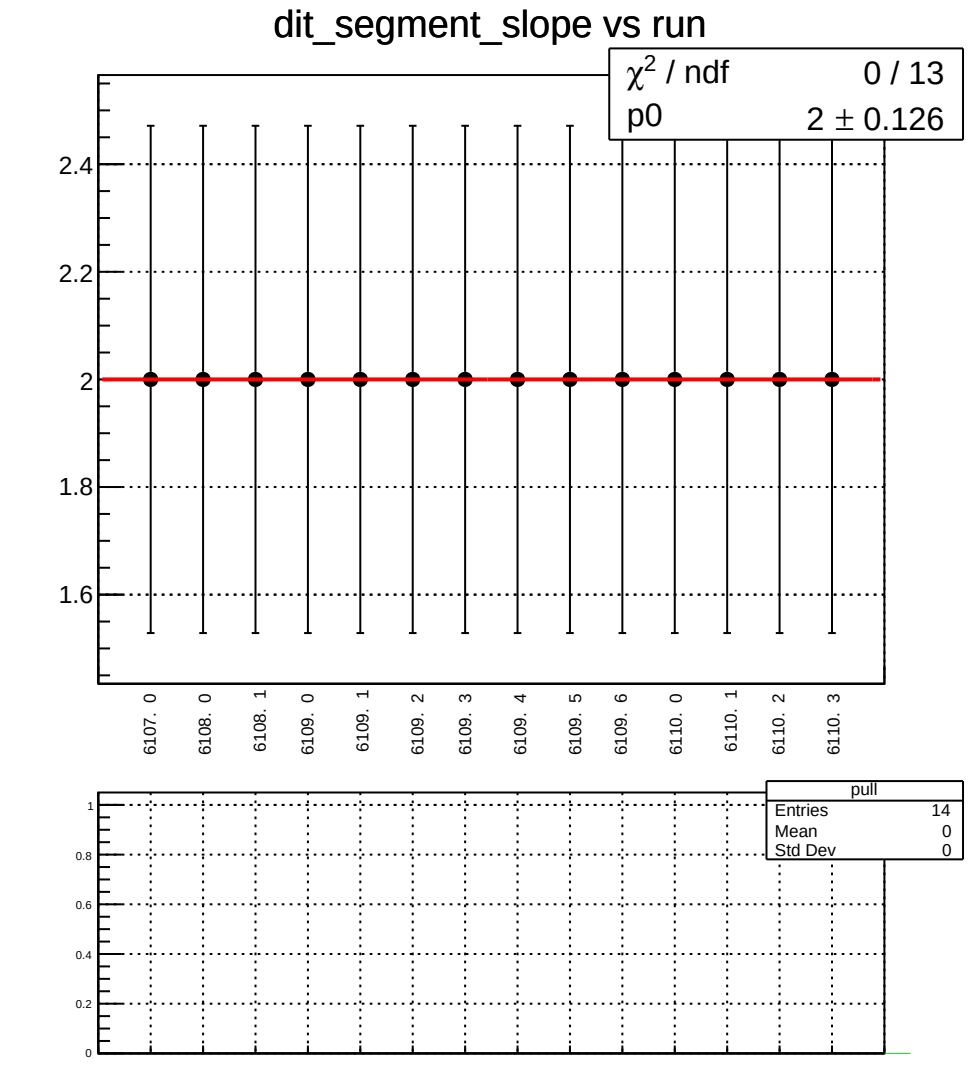

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
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–4
–2
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6
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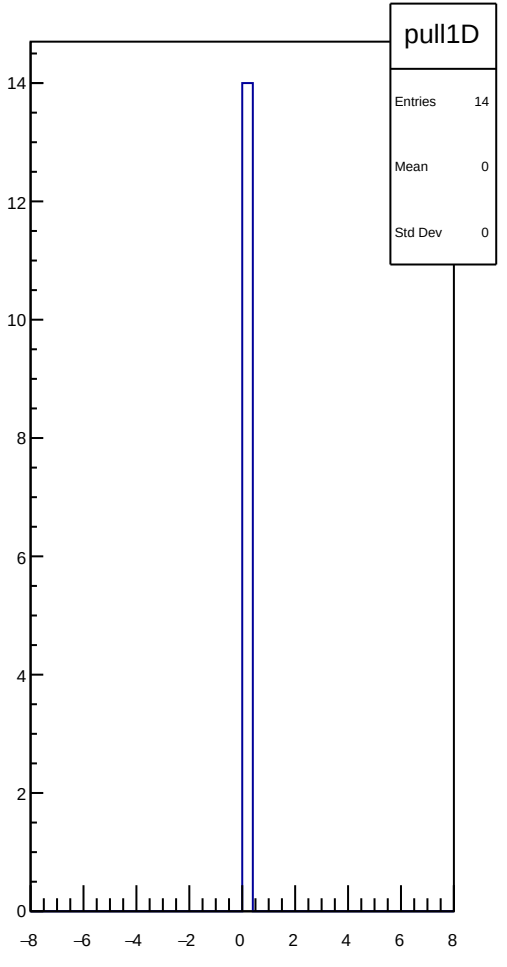

pull
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Std Dev 0
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0.6
0.4
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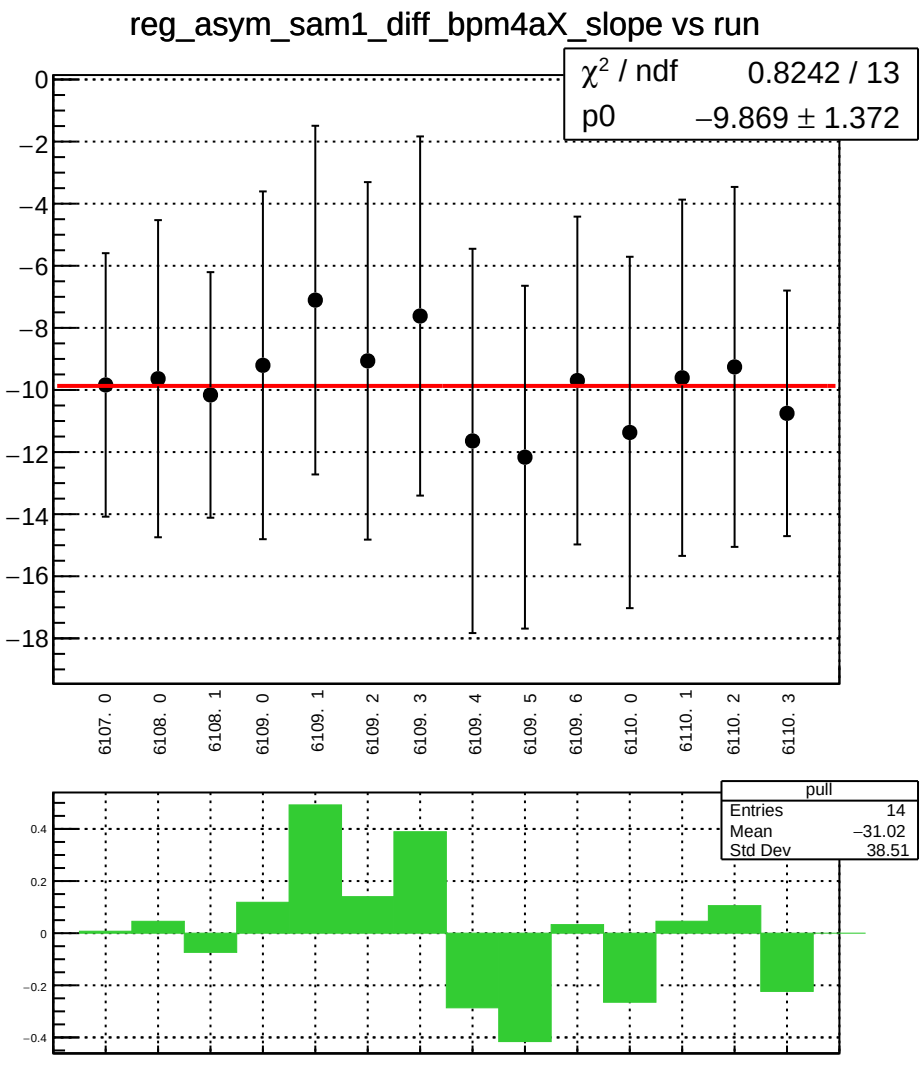

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
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–4
–2
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2
4
6
8

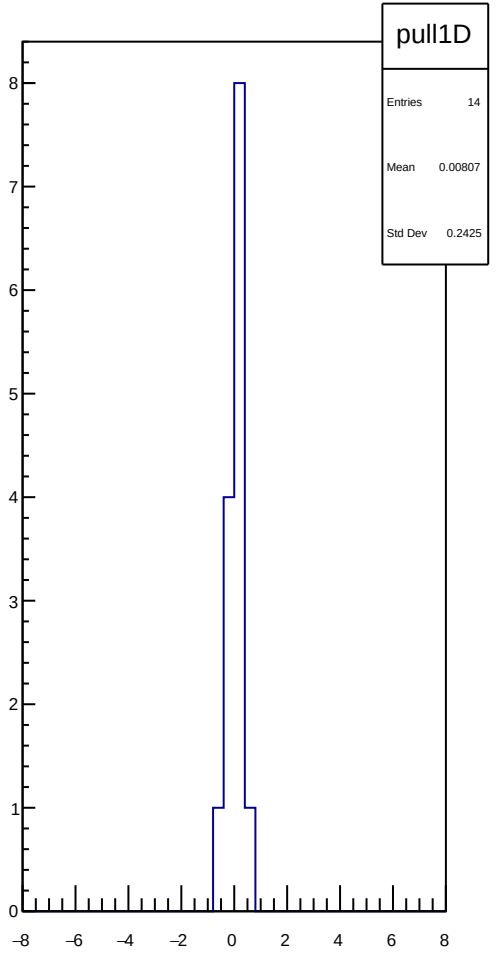

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
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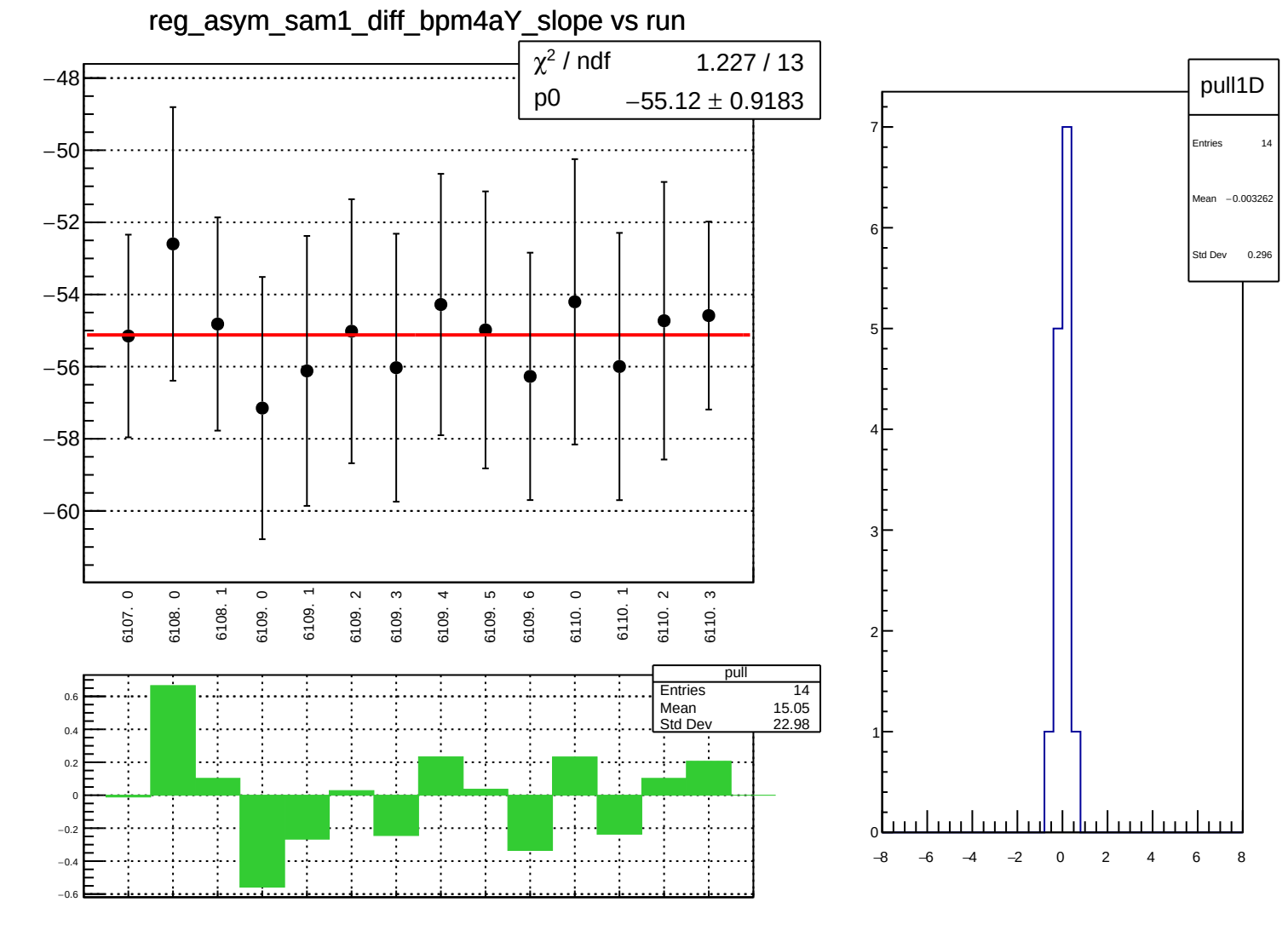

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

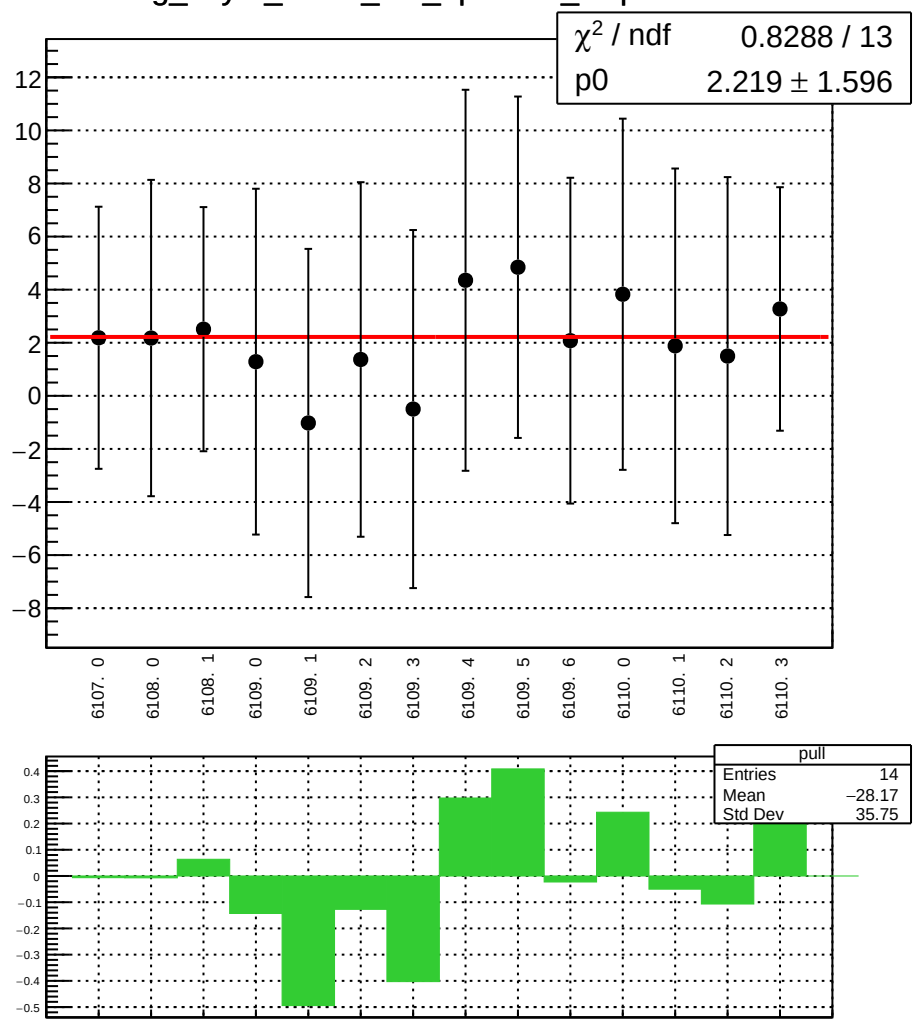

dit_segment_slope vs run
χ² / ndf 0 / 13
p0 2 ± 0.126
2.4
2.2
2
1.8
1.6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

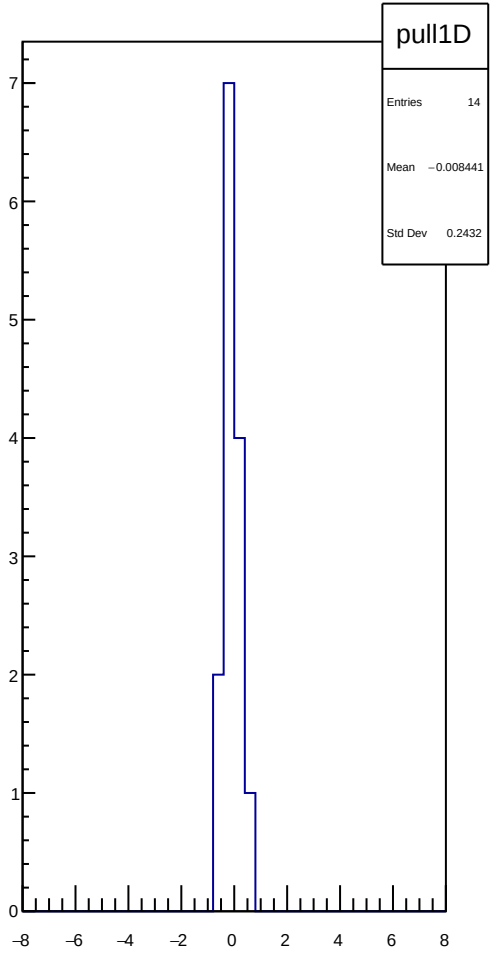

pull1D
Entries 14
Mean 0
Std Dev 0
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

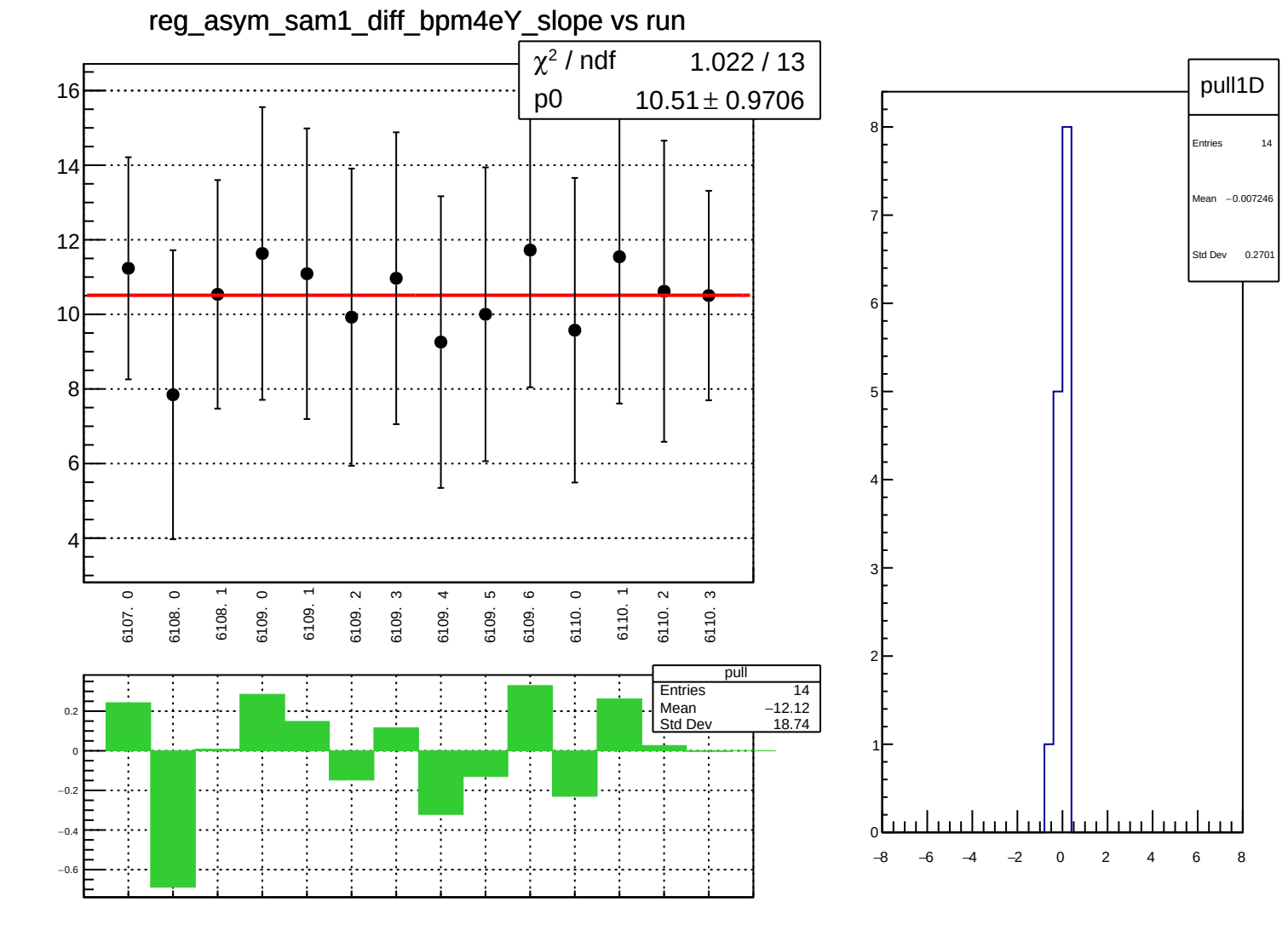

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 0.8242 / 13
p0 −9.869 ± 1.372
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −31.02
Std Dev 38.51
0.4
0.2
0
−0.2
−0.4

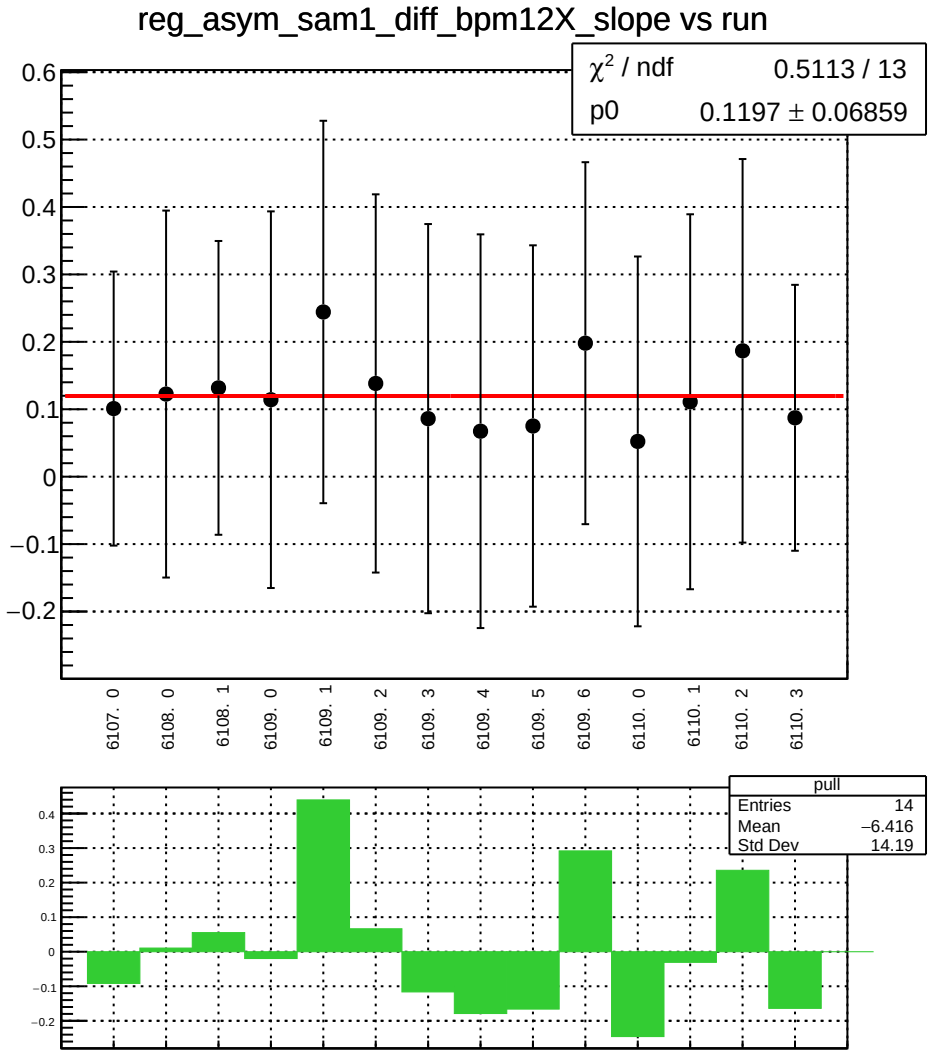

pull1D
Entries 14
Mean 0.00807
Std Dev 0.2425
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

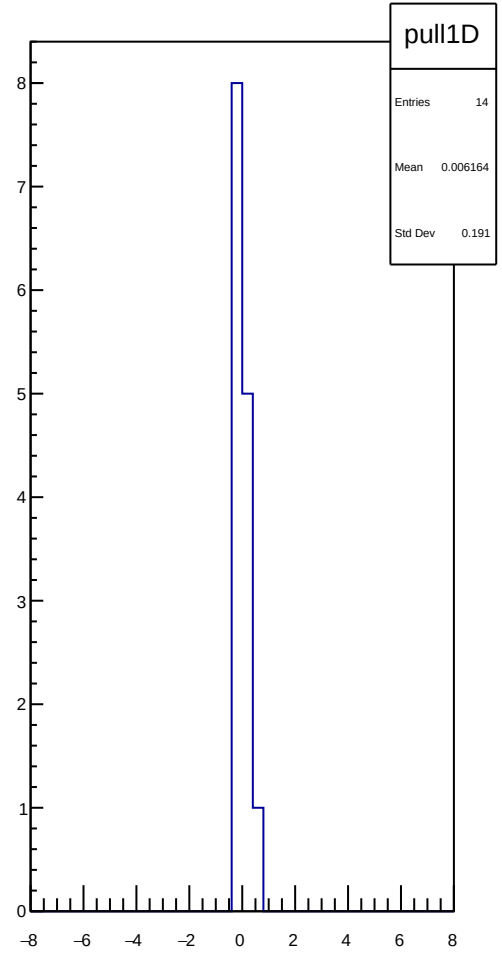

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 1.227 / 13
p0 −55.12 ± 0.9183
−48
−50
−52
−54
−56
−58
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 15.05
Std Dev 22.98
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean −0.003262
Std Dev 0.296
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

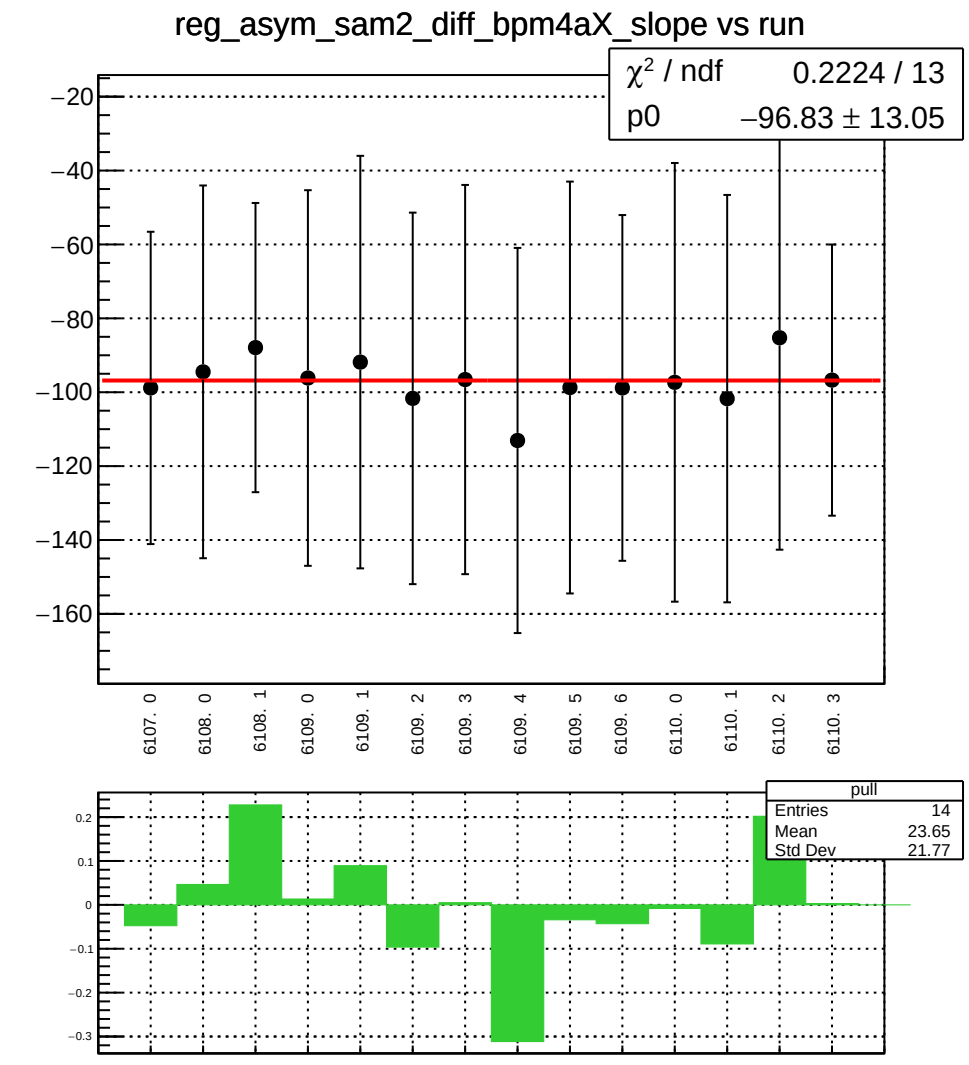

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 0.8288 / 13
p0 2.219 ± 1.596
12
10
8
6
4
2
0
−2
−4
−6
−8
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −28.17
Std Dev 35.75
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

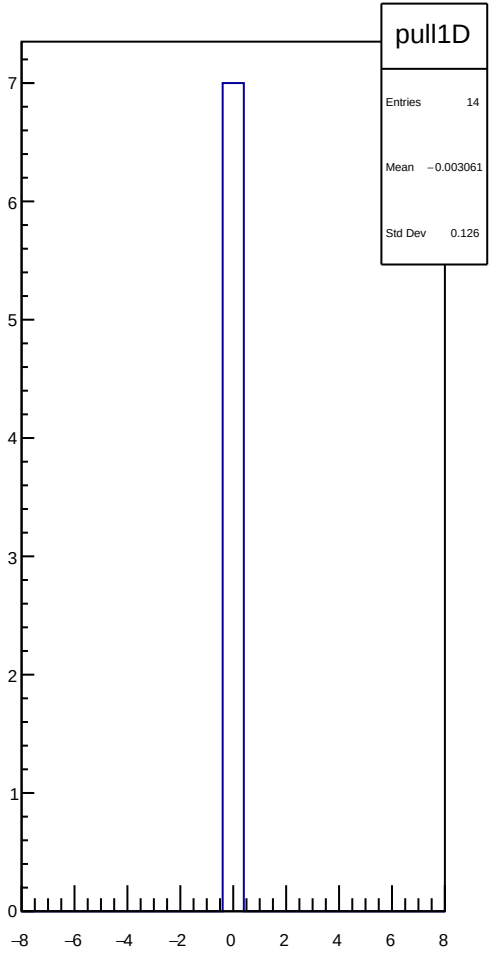

pull1D
Entries 14
Mean −0.008441
Std Dev 0.2432
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

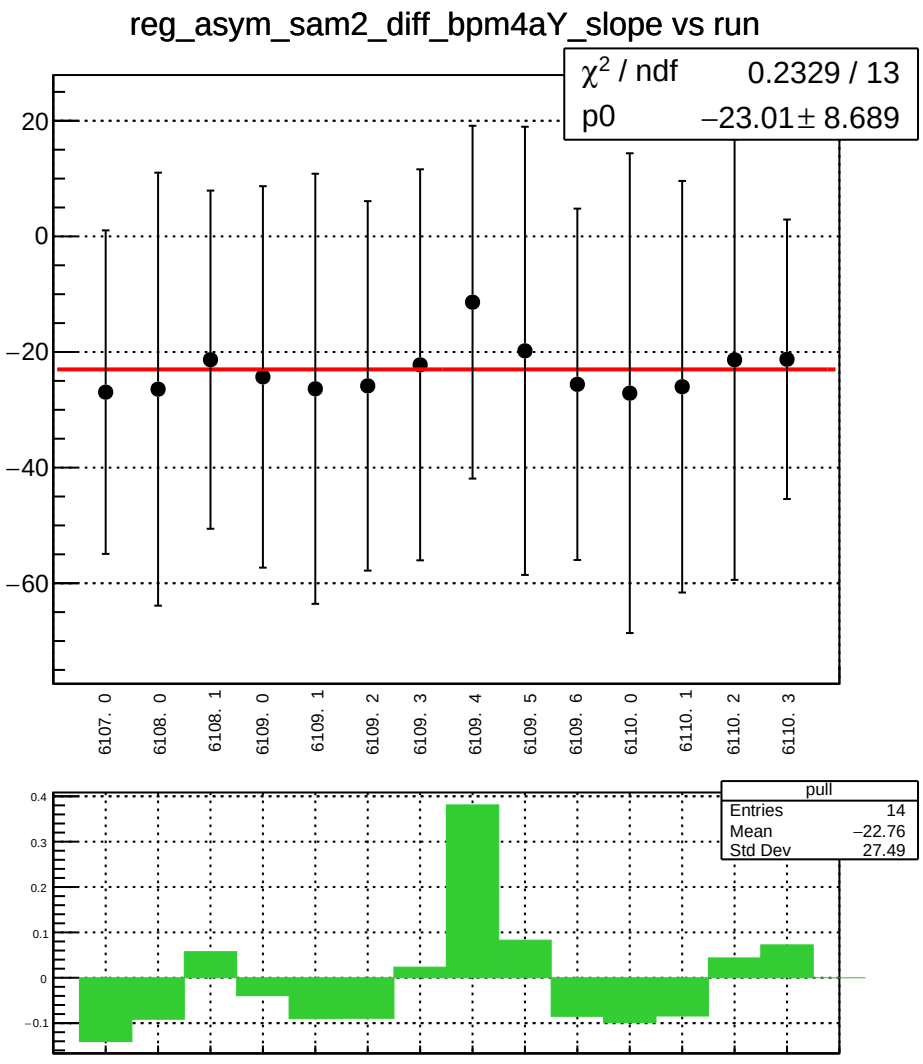

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 1.022 / 13
p0 10.51 ± 0.9706
16
14
12
10
8
6
4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −12.12
Std Dev 18.74
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean −0.007246
Std Dev 0.2701
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

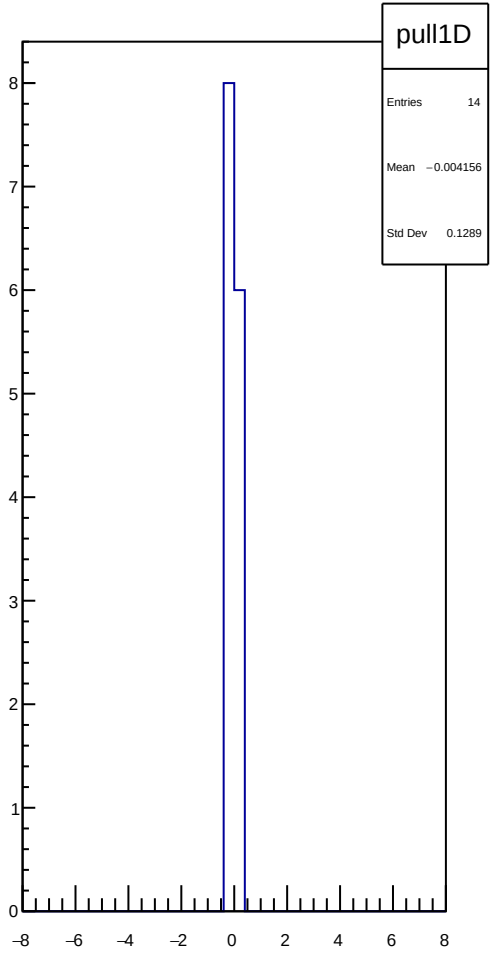

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 0.5113 / 13
p0 0.1197 ± 0.06859
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −6.416
Std Dev 14.19
0.4
0.3
0.2
0.1
0
−0.1
−0.2

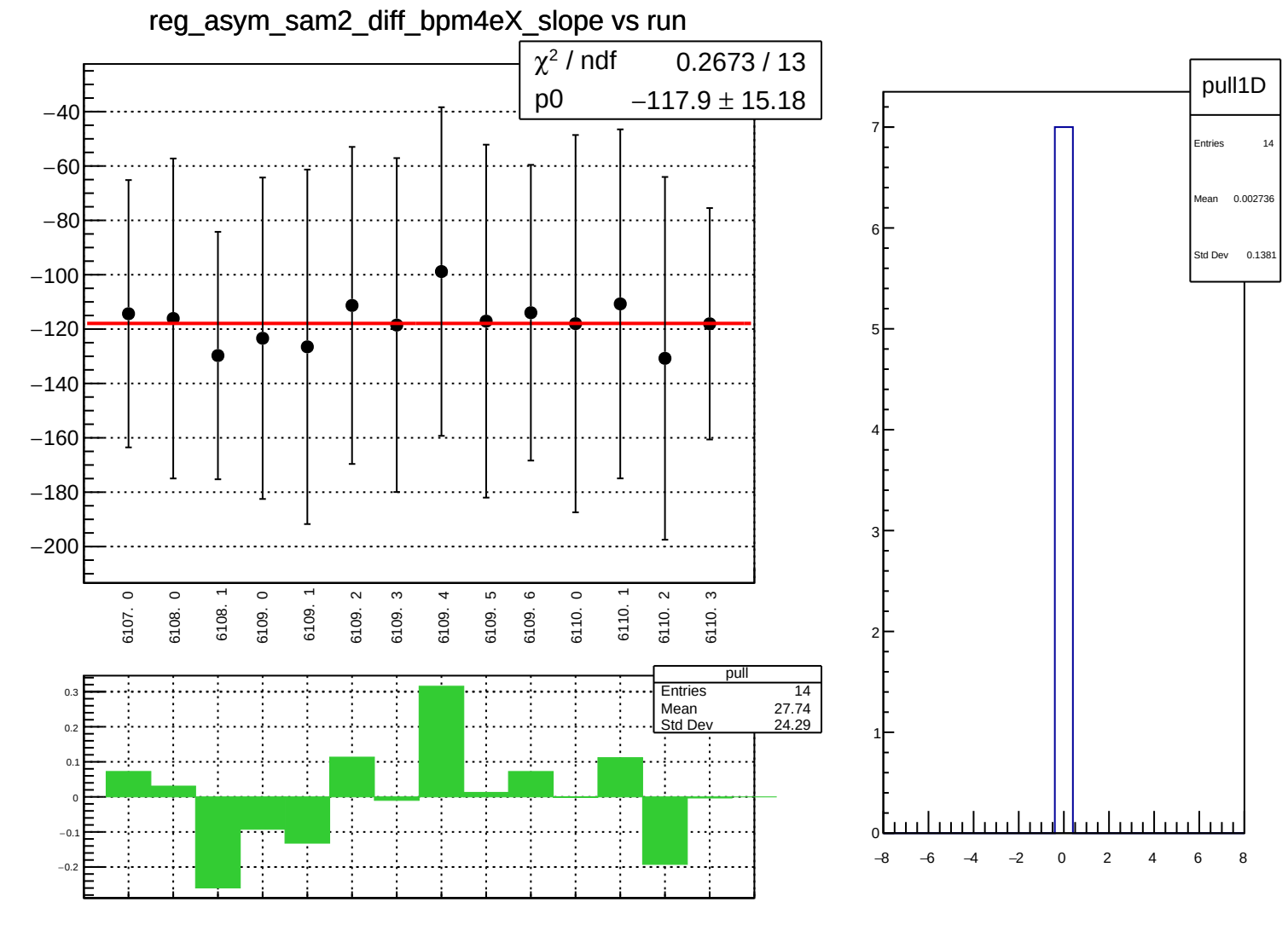

pull1D
Entries 14
Mean 0.006164
Std Dev 0.191
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

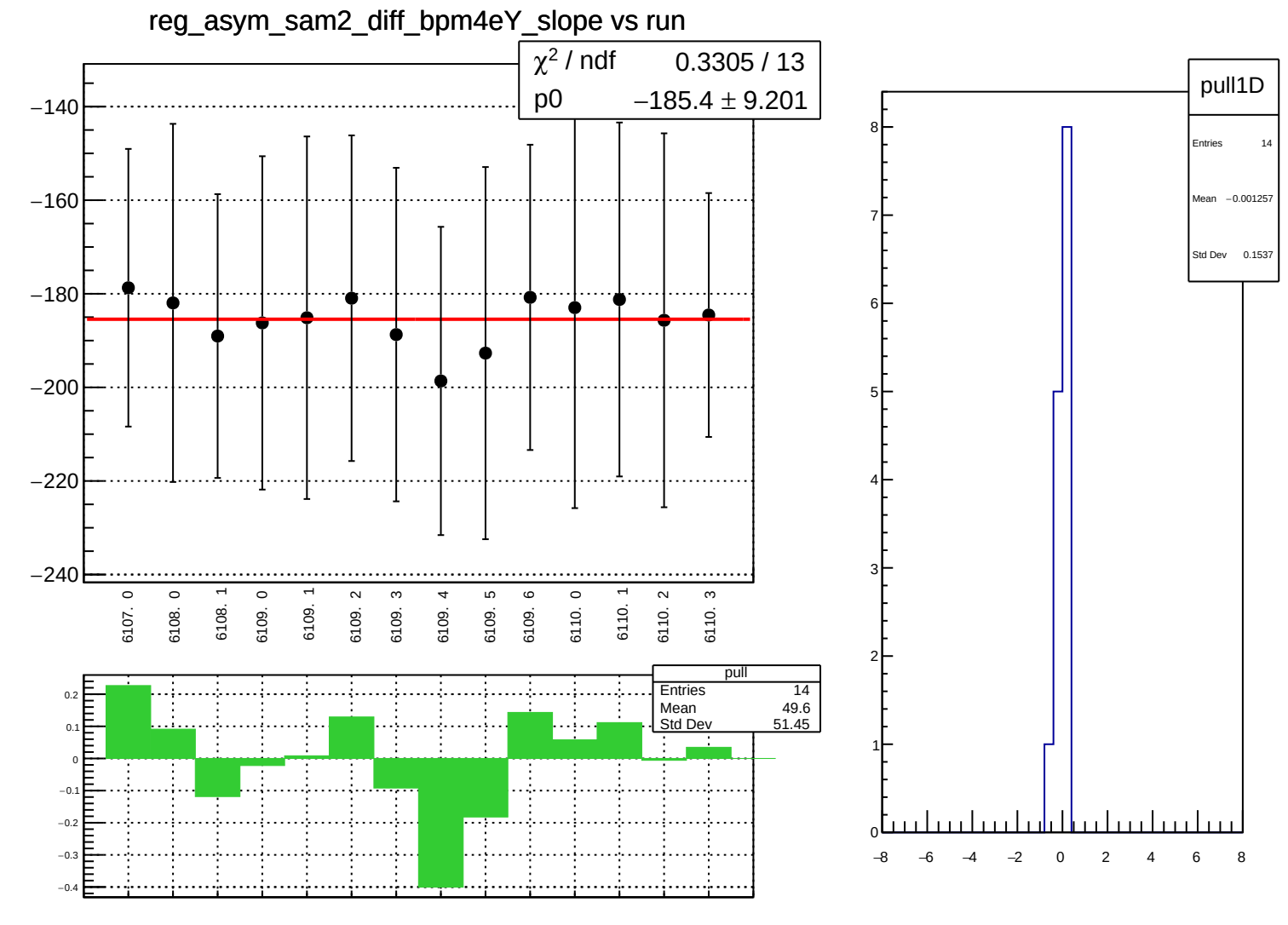

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 0.2224 / 13
p0 −96.83 ± 13.05
−20
−40
−60
−80
−100
−120
−140
−160
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.65
Std Dev 21.77
0.2
0.1
0
−0.1
−0.2
−0.3

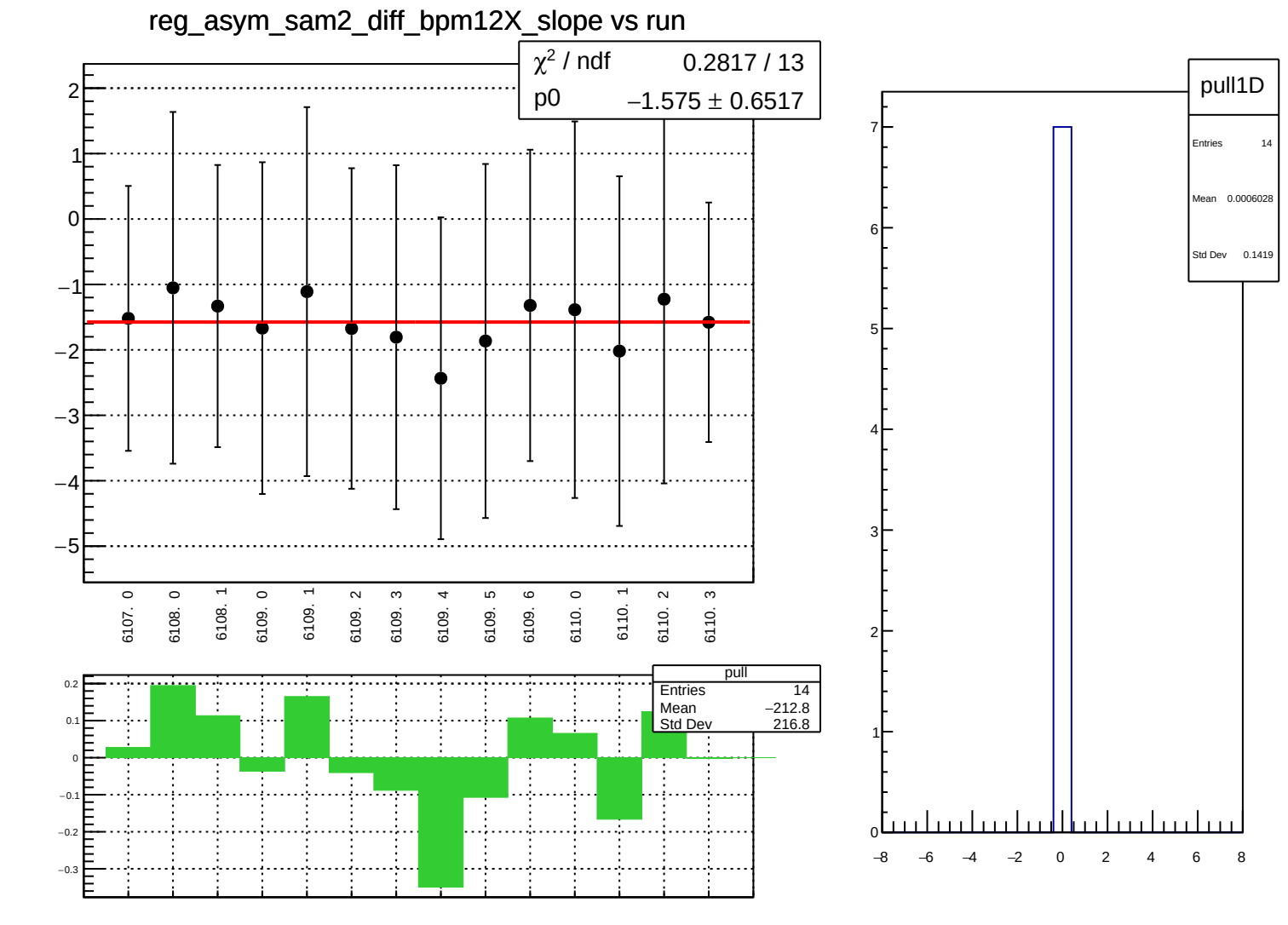

pull1D
Entries 14
Mean −0.003061
Std Dev 0.126
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

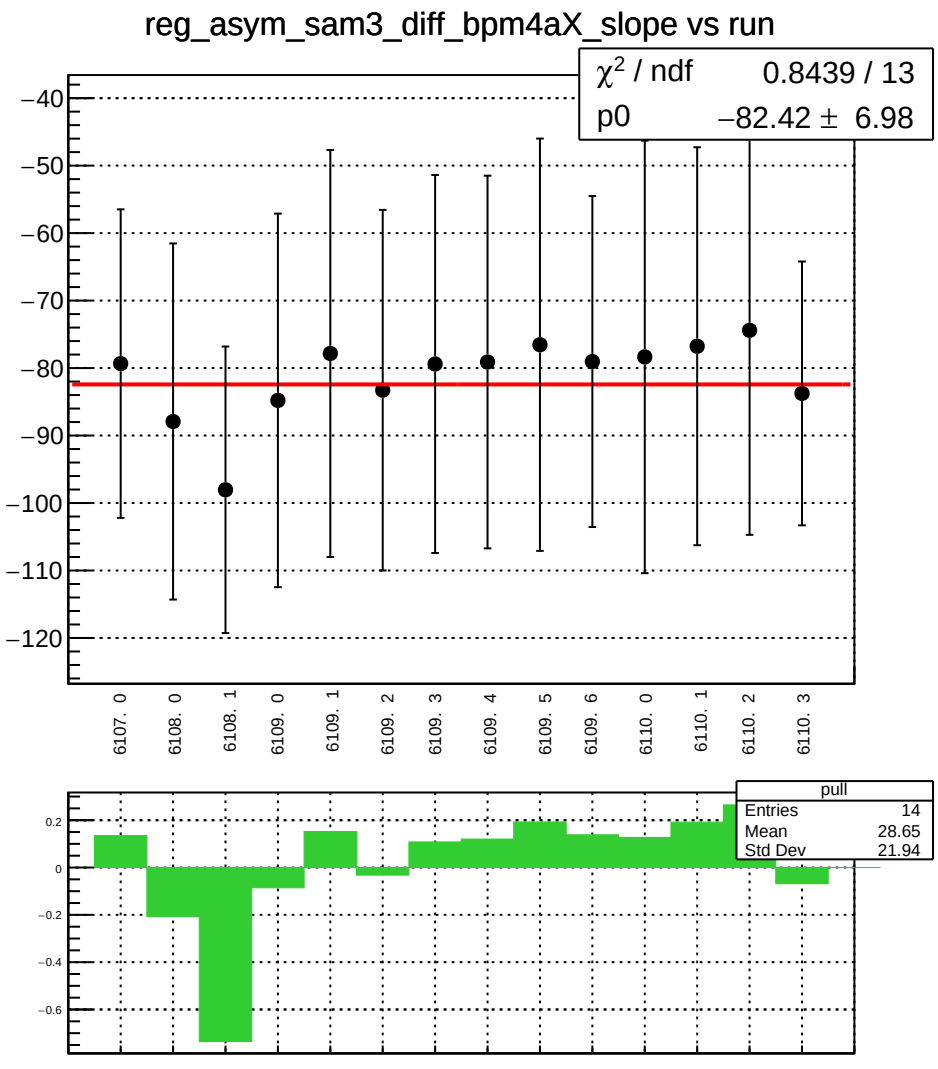

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 0.2329 / 13
p0 −23.01± 8.689
20
0
−20
−40
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −22.76
Std Dev 27.49
0.4
0.3
0.2
0.1
0
−0.1

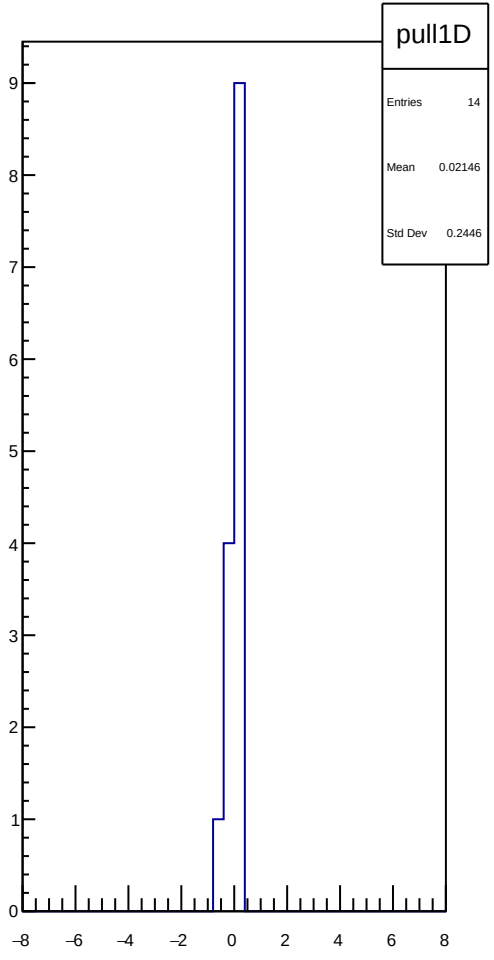

pull1D
Entries 14
Mean −0.004156
Std Dev 0.1289
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

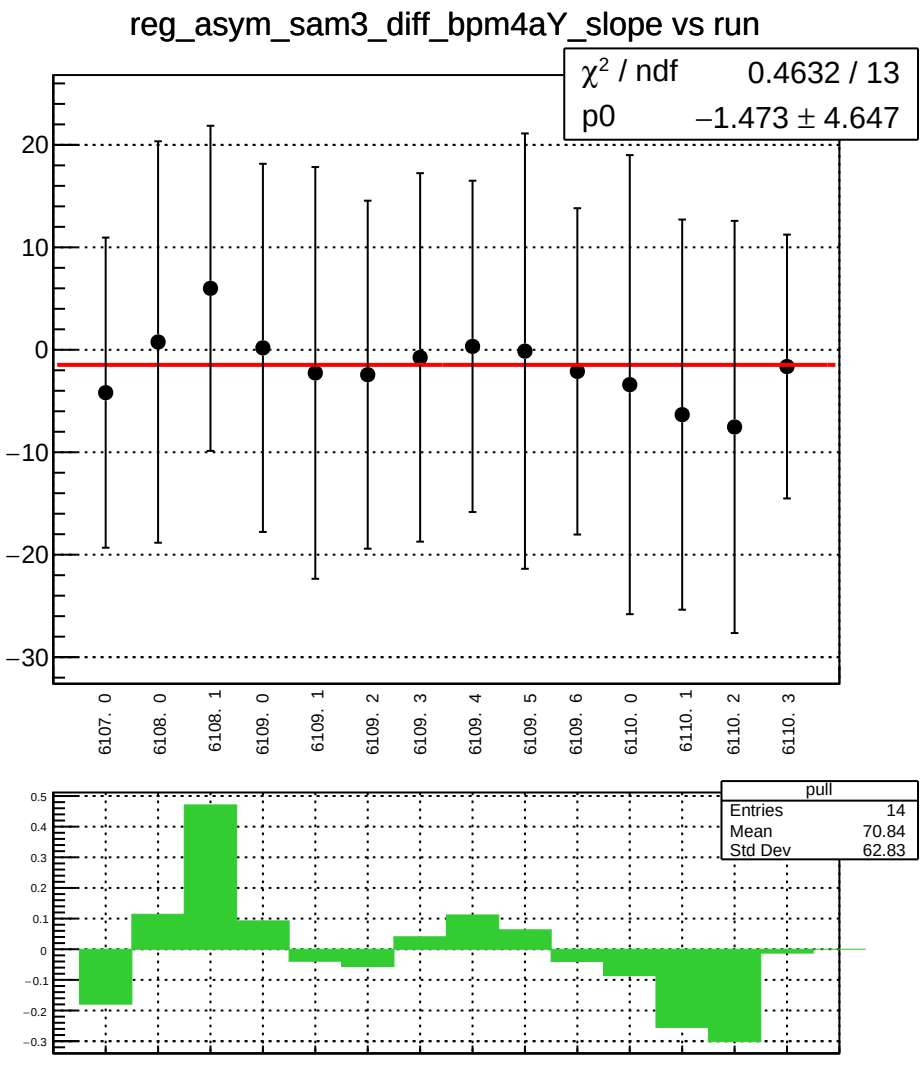

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.2673 / 13
p0 −117.9 ± 15.18
−40
−60
−80
−100
−120
−140
−160
−180
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 27.74
Std Dev 24.29
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 14
Mean 0.002736
Std Dev 0.1381
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

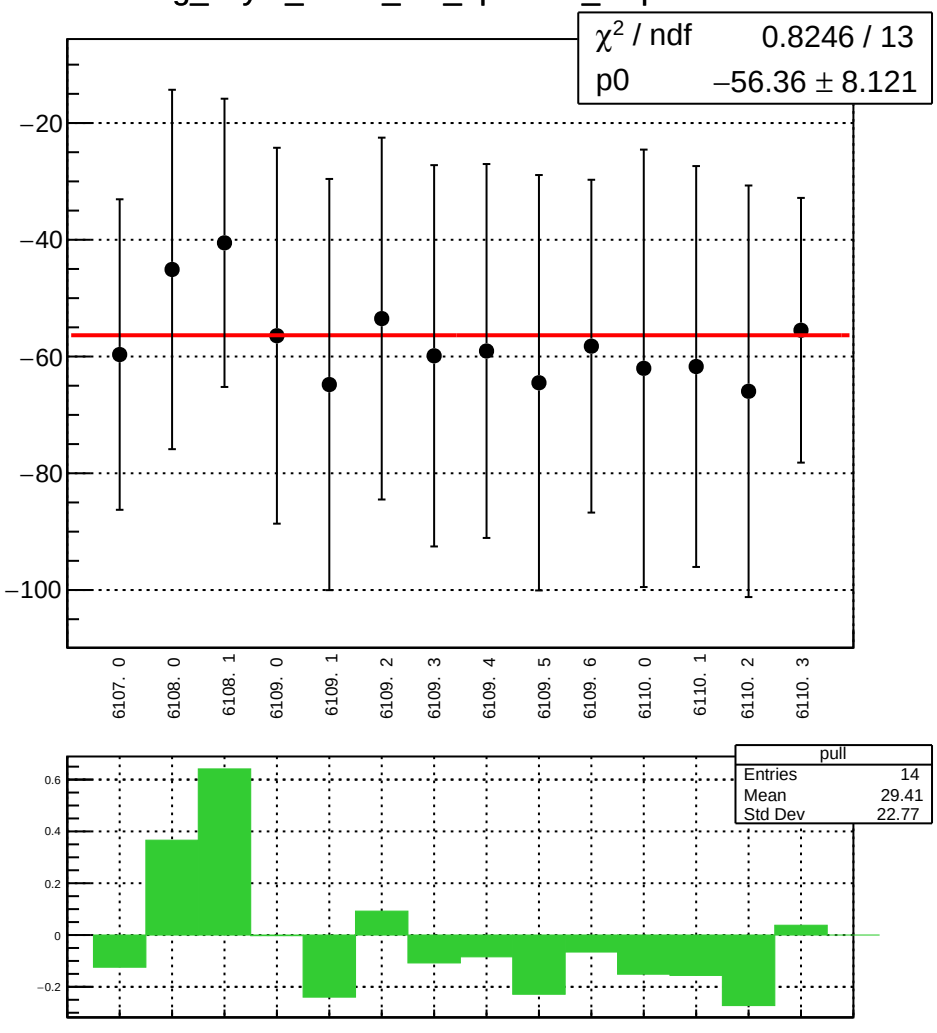

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 0.3305 / 13
p0 −185.4 ± 9.201
−140
−160
−180
−200
−220
−240
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 49.6
Std Dev 51.45
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 14
Mean −0.001257
Std Dev 0.1537
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

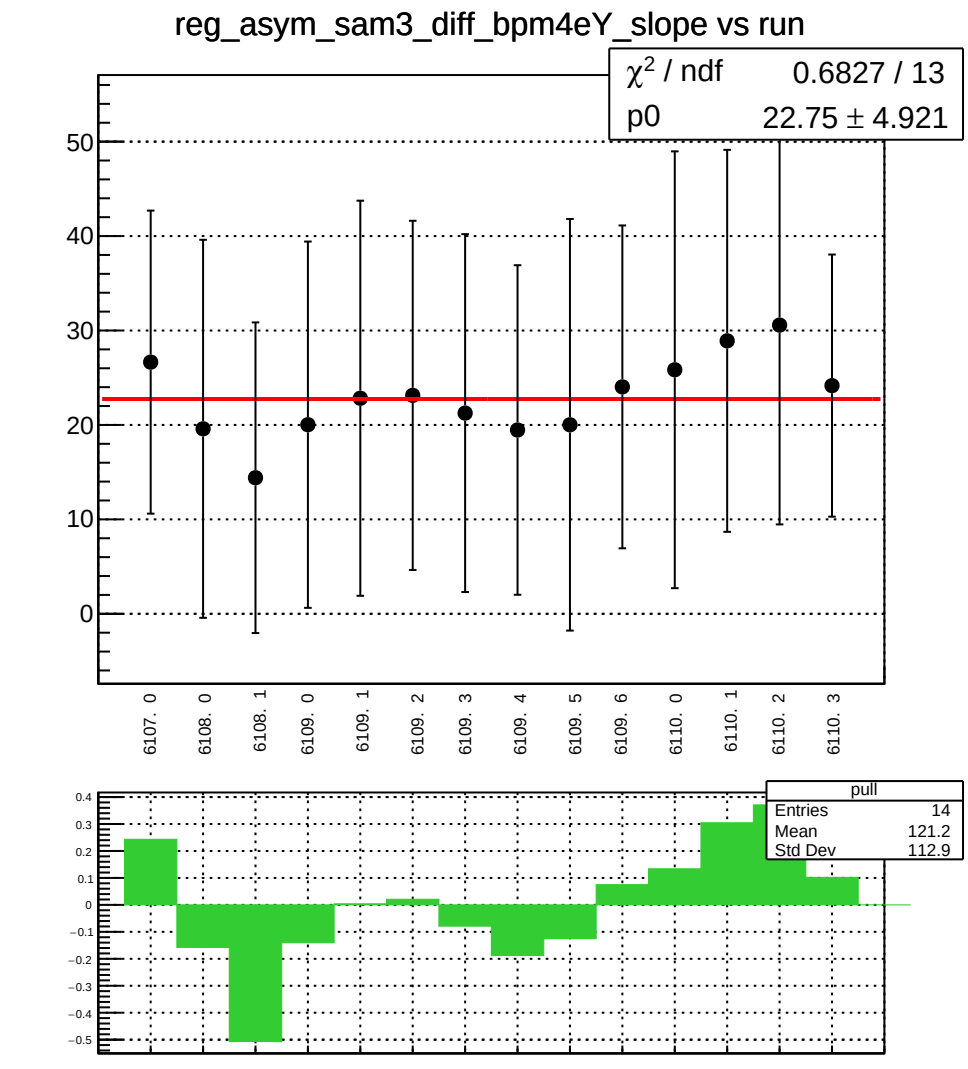

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.2817 / 13
p0 −1.575 ± 0.6517
2
1
0
−1
−2
−3
−4
−5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −212.8
Std Dev 216.8
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean 0.0006028
Std Dev 0.1419
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

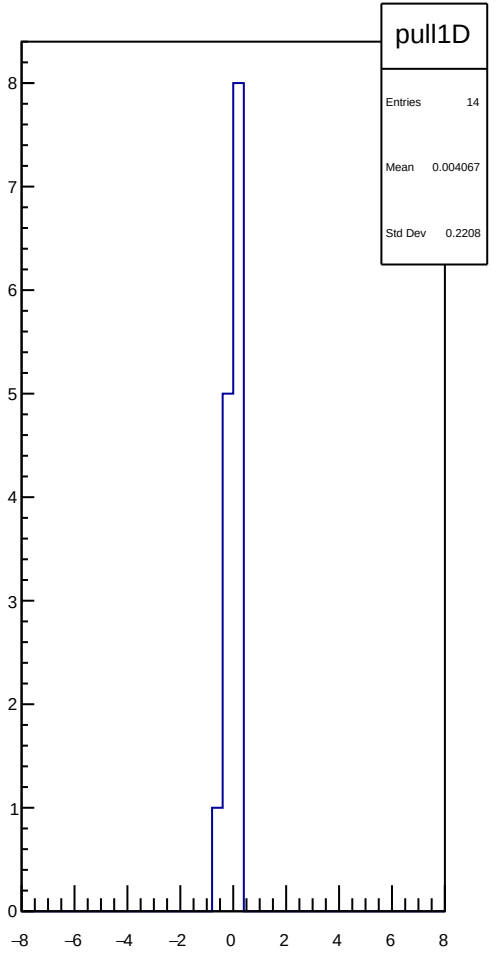

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 0.8439 / 13
p0 −82.42 ± 6.98
−40
−50
−60
−70
−80
−90
−100
−110
−120
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.65
Std Dev 21.94
0.2
0
−0.2
−0.4
−0.6

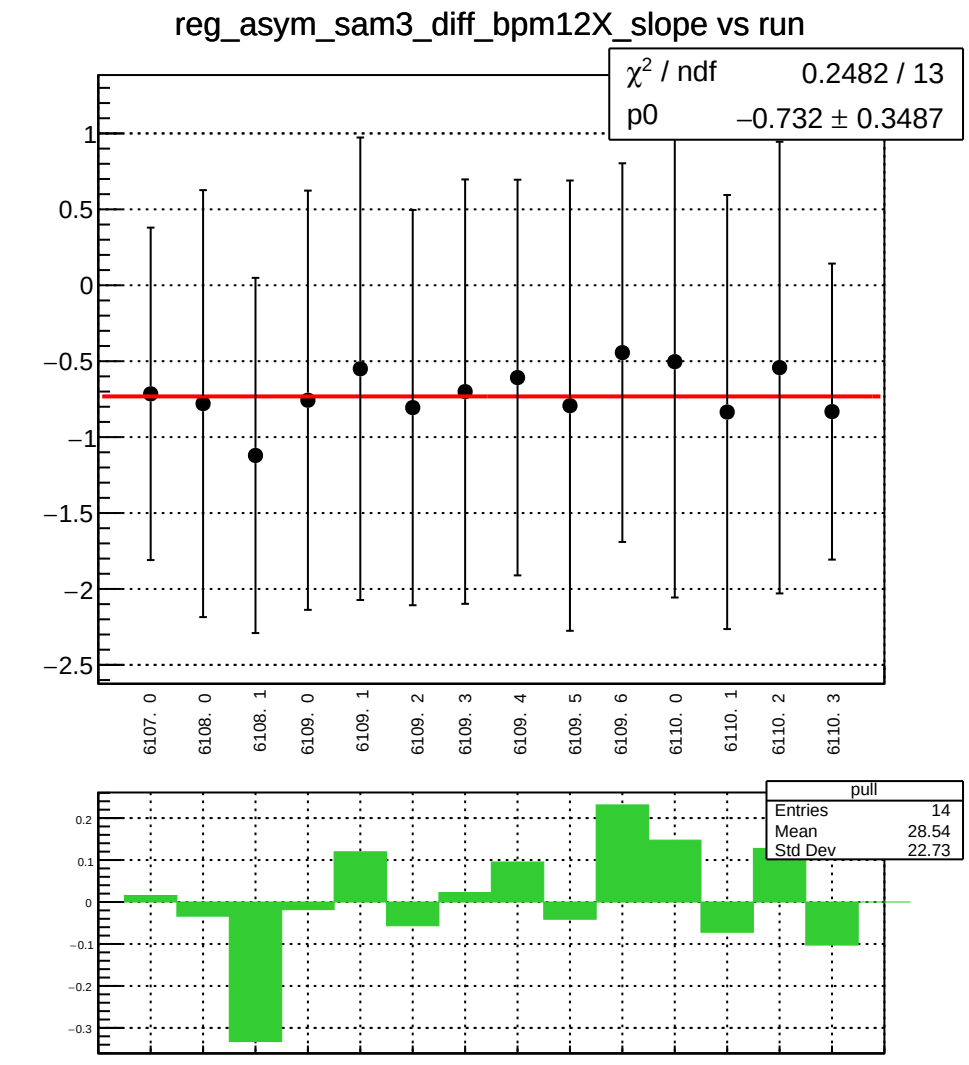

pull1D
Entries 14
Mean 0.02146
Std Dev 0.2446
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

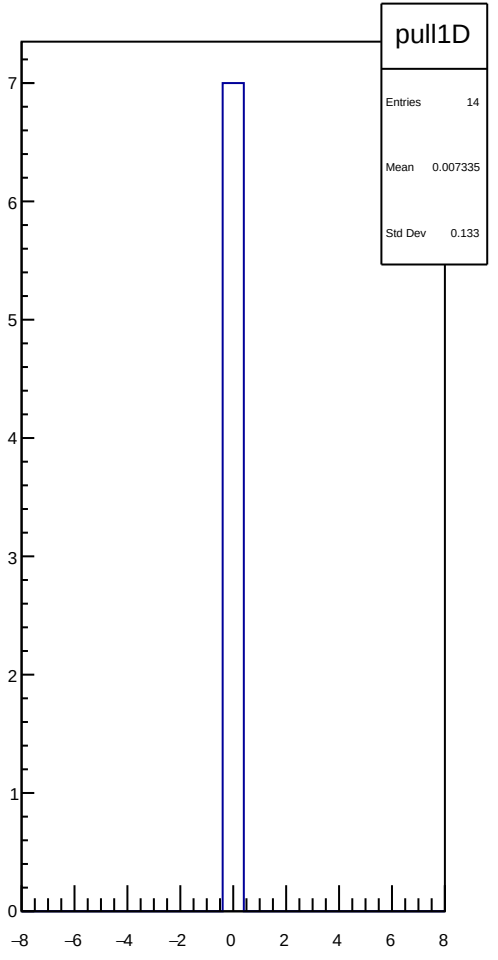

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 0.4632 / 13
p0 −1.473 ± 4.647
20
10
0
−10
−20
−30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 70.84
Std Dev 62.83
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean −0.005461
Std Dev 0.1818
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

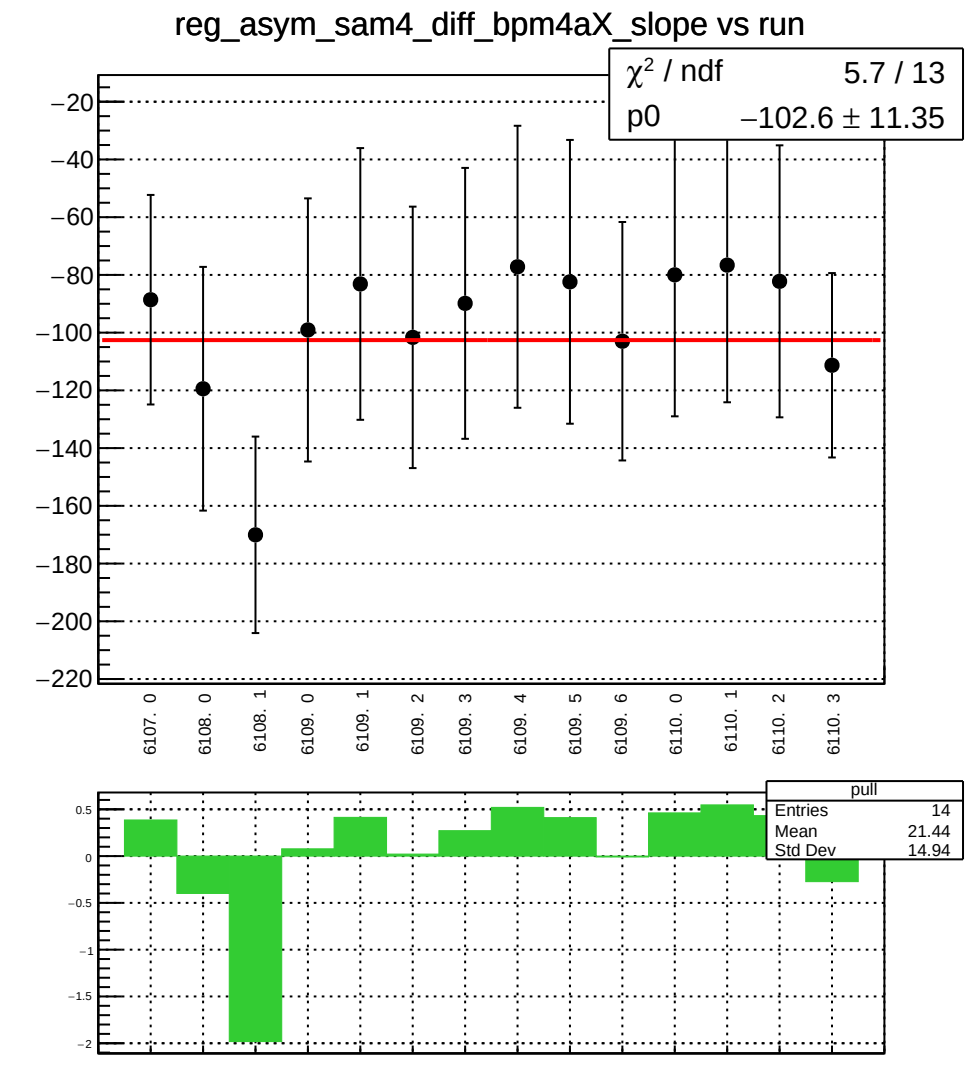

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 0.8246 / 13
p0 −56.36 ± 8.121
−20
−40
−60
−80
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 29.41
Std Dev 22.77
0.6
0.4
0.2
0
−0.2
pull1D
Entries 14
Mean −0.02104
Std Dev 0.2418
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

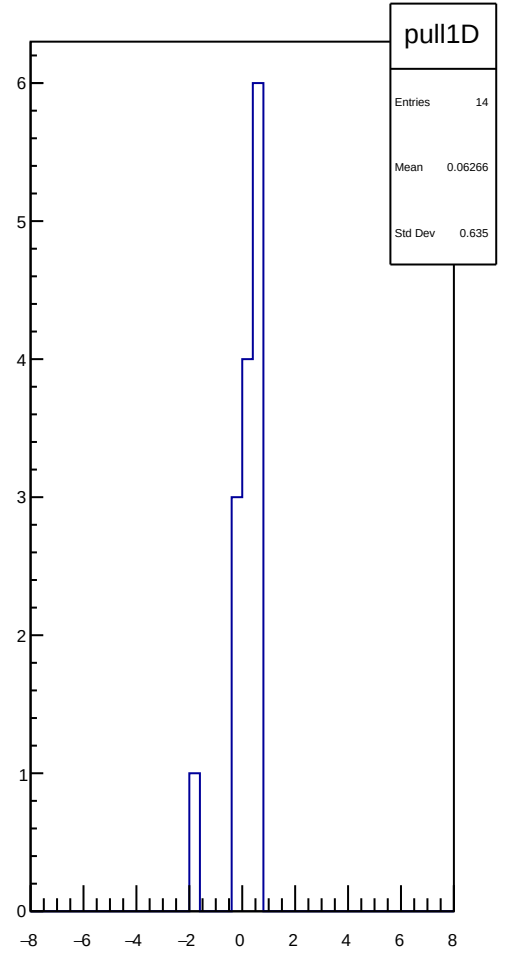

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 0.6827 / 13
p0 22.75 ± 4.921
50
40
30
20
10
0
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 121.2
Std Dev 112.9
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

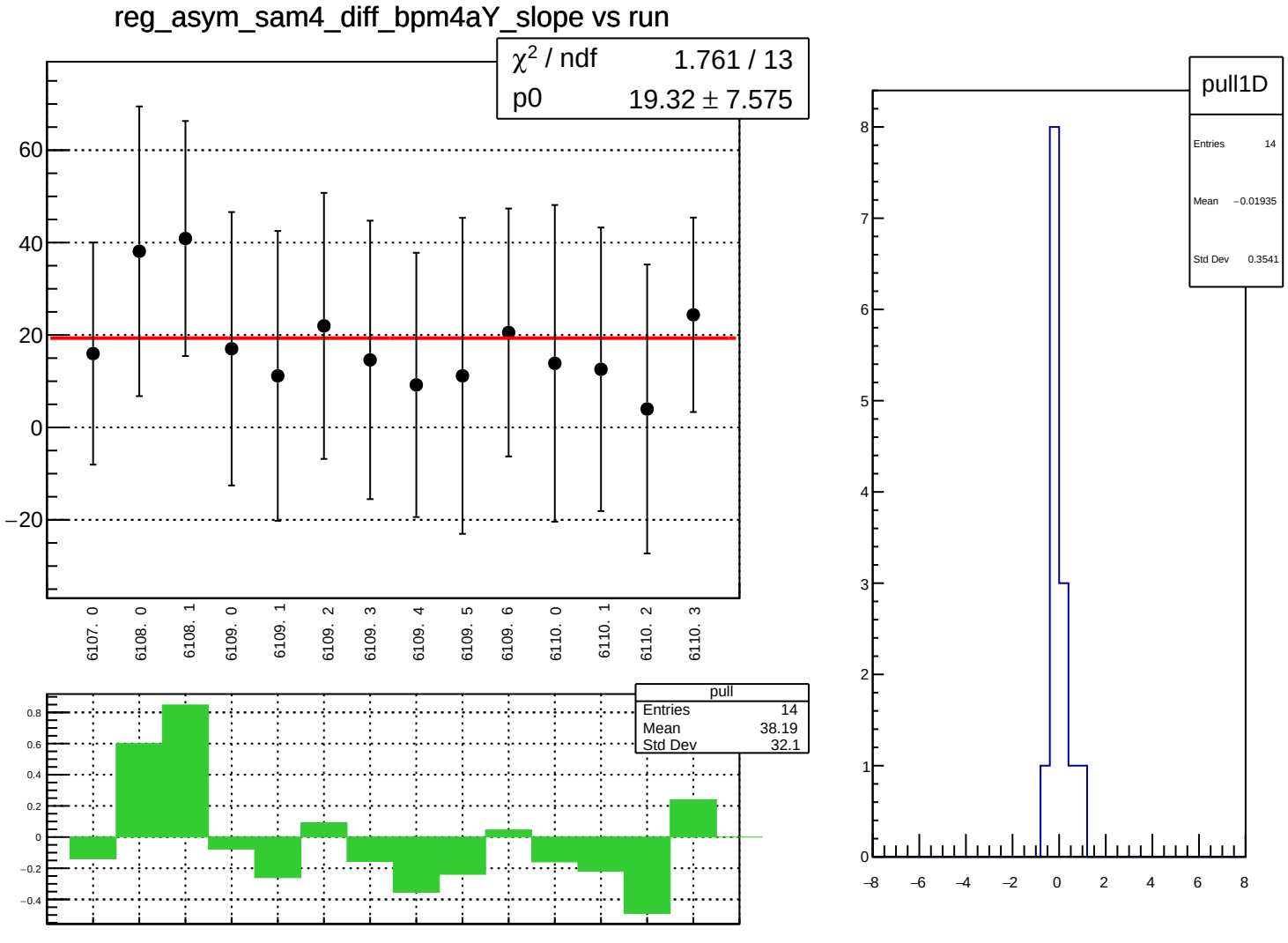

pull1D
Entries 14
Mean 0.004067
Std Dev 0.2208
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

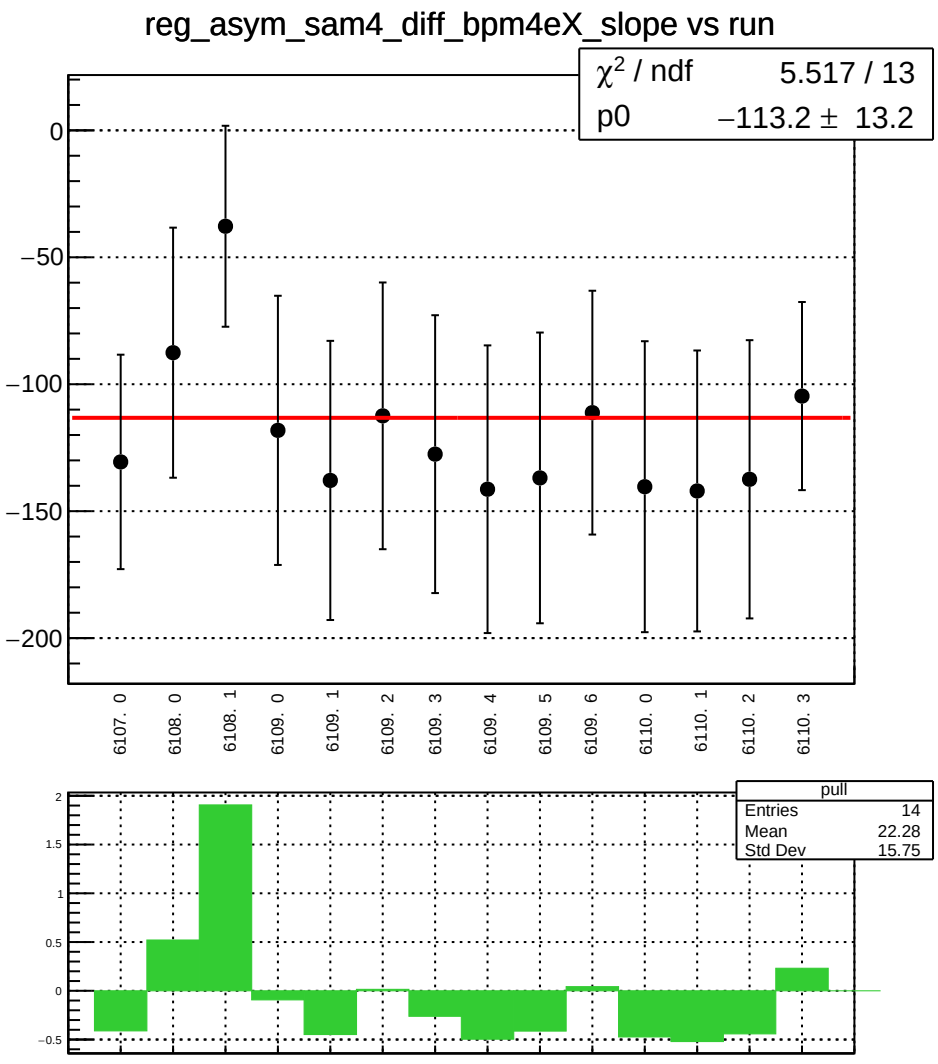

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.2482 / 13
p0 −0.732 ± 0.3487
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.54
Std Dev 22.73
0.2
0.1
0
−0.1
−0.2
−0.3

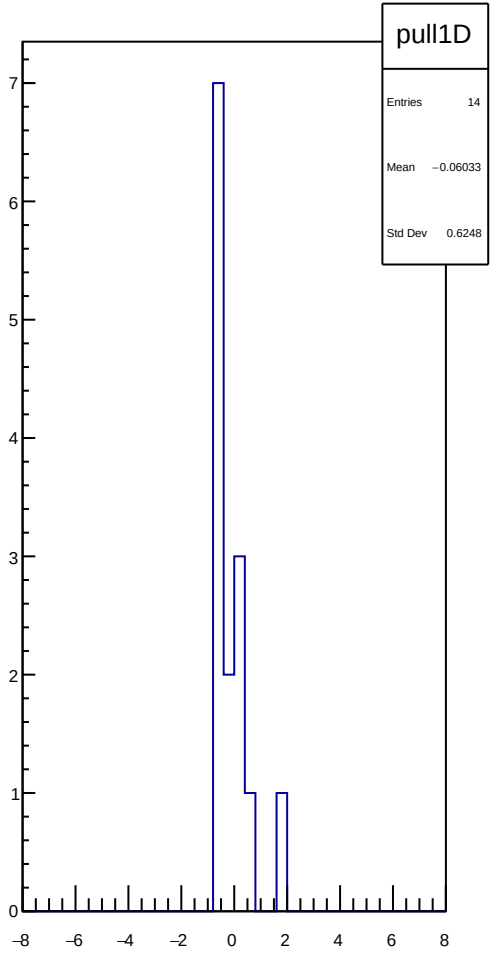

pull1D
Entries 14
Mean 0.007335
Std Dev 0.133
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

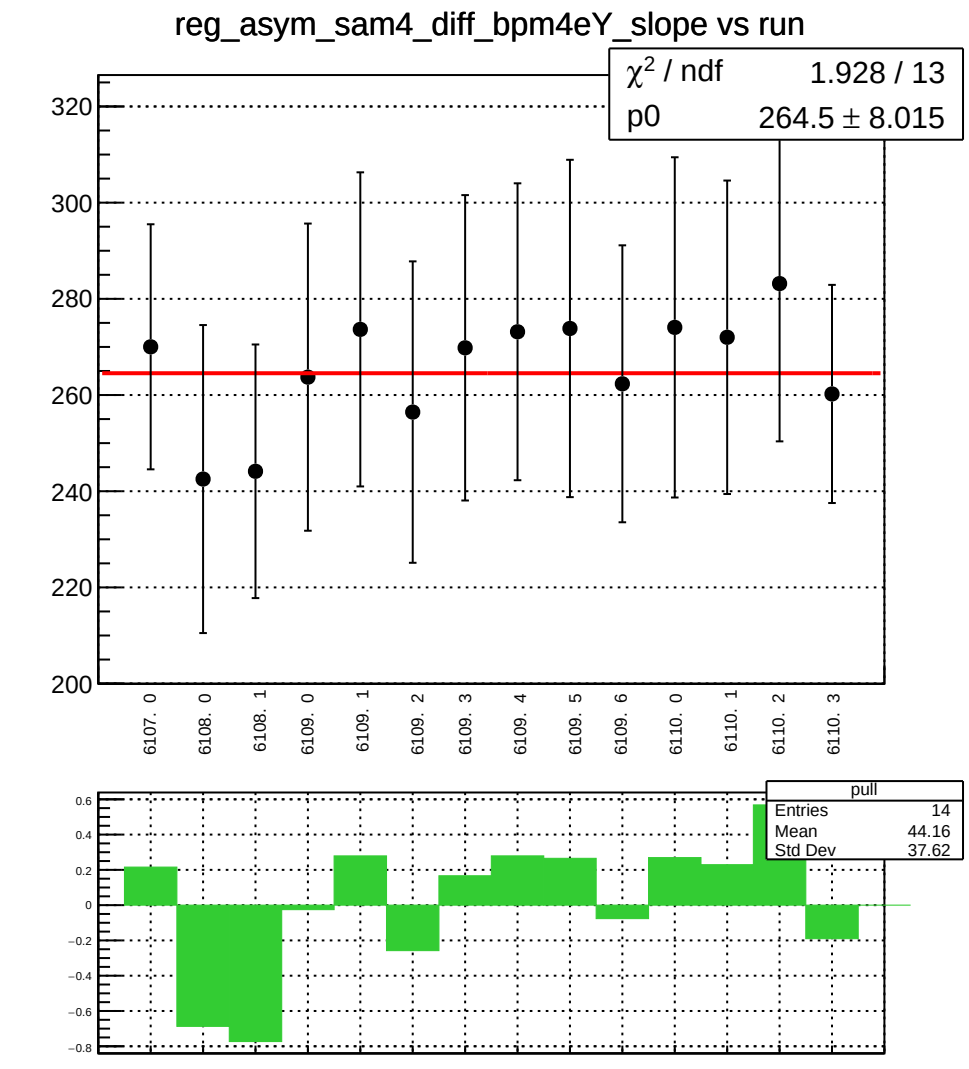

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 5.7 / 13
p0 −102.6 ± 11.35
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.44
Std Dev 14.94
0.5
0
−0.5
−1
−1.5
−2

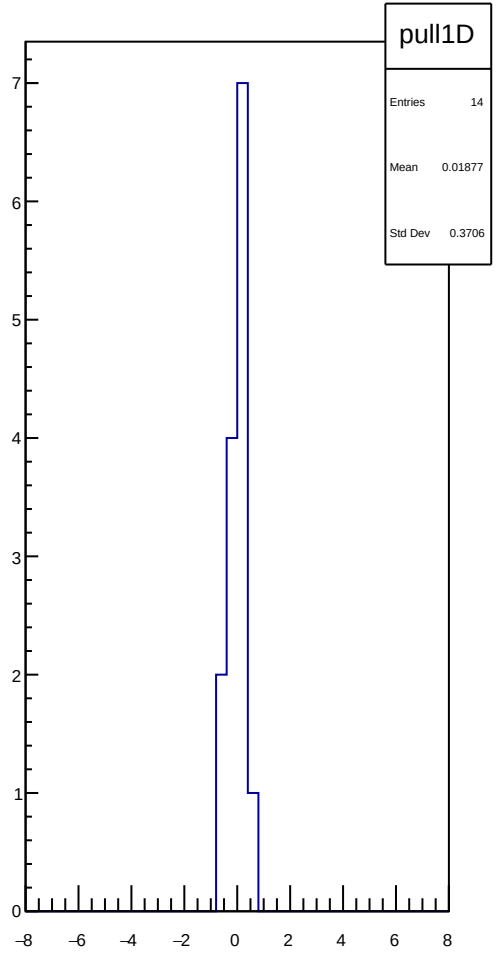

pull1D
Entries 14
Mean 0.06266
Std Dev 0.635
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

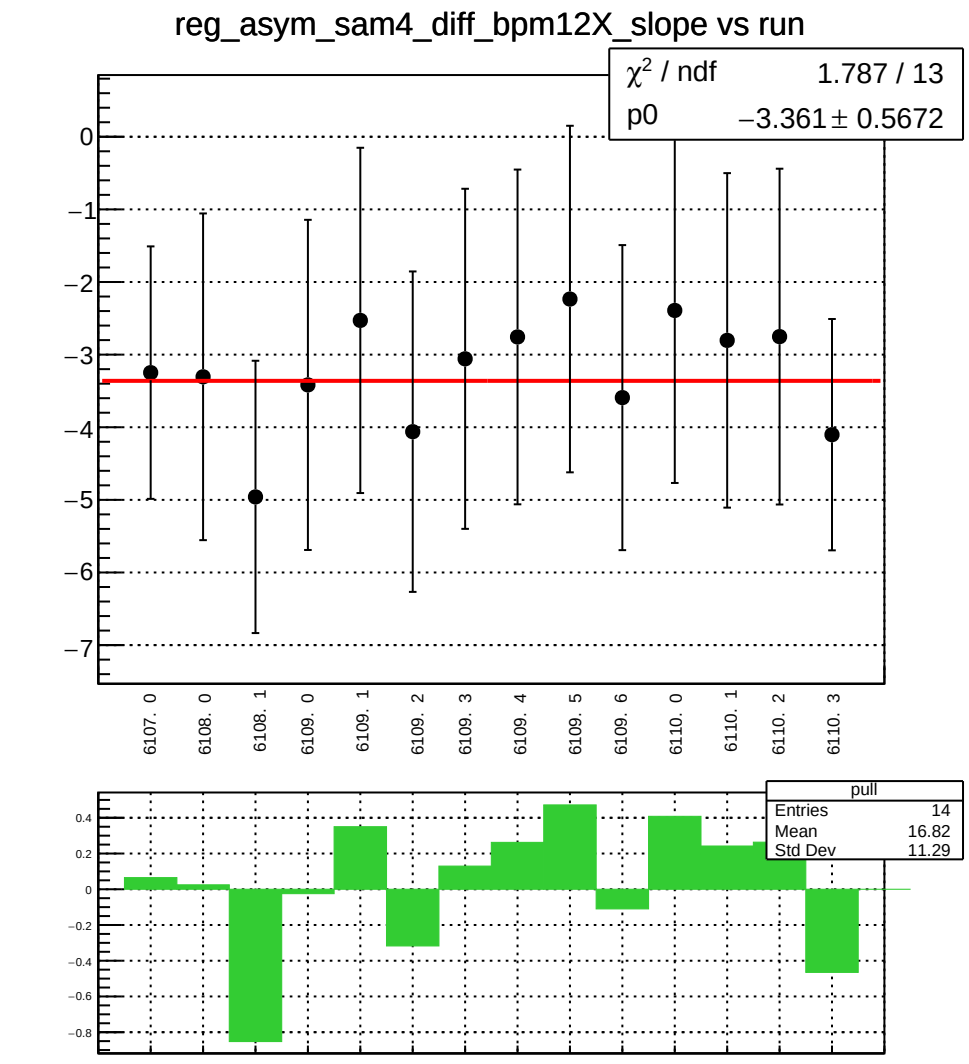

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.761 / 13
p0 19.32 ± 7.575
60
40
20
0
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 38.19
Std Dev 32.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.01935
Std Dev 0.3541
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

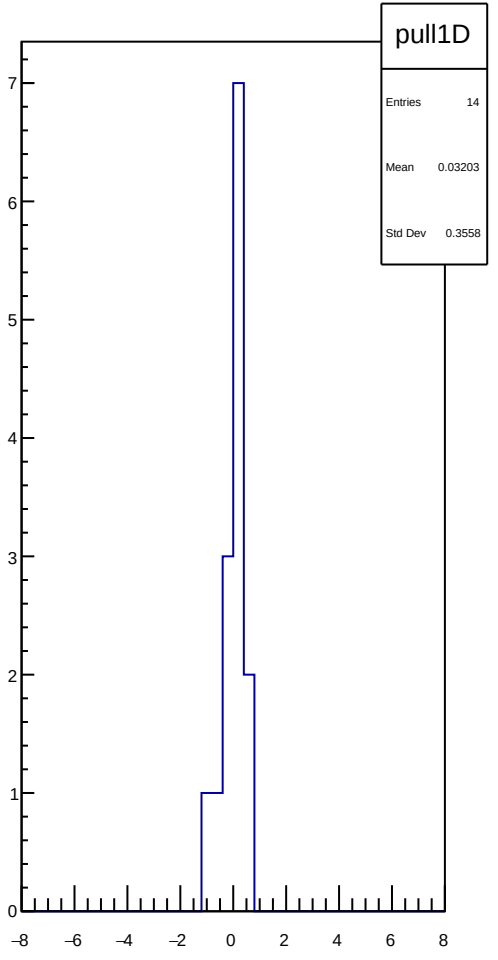

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 5.517 / 13
p0 −113.2 ± 13.2
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.28
Std Dev 15.75
2
1.5
1
0.5
0
−0.5

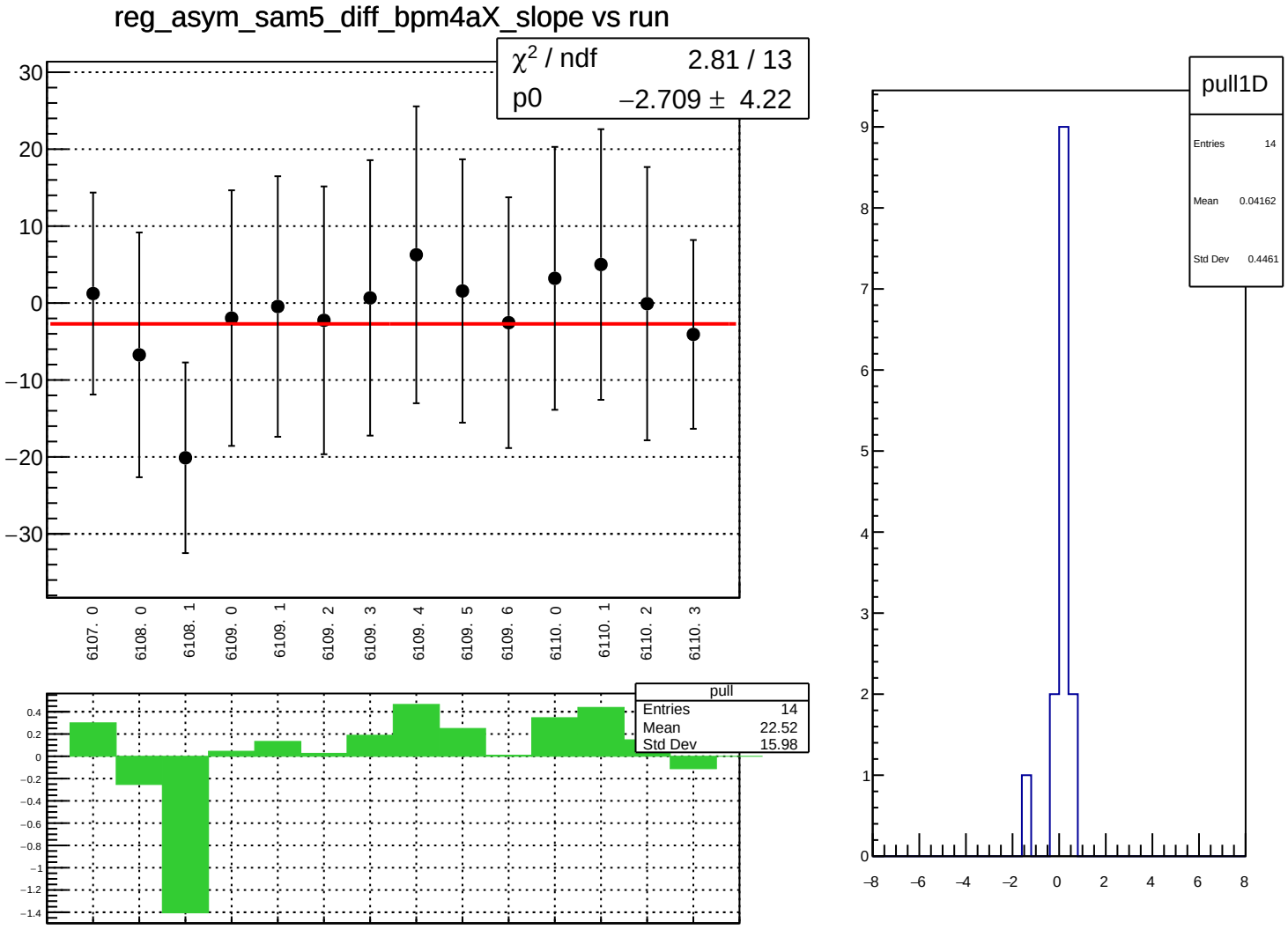

pull1D
Entries 14
Mean −0.06033
Std Dev 0.6248
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

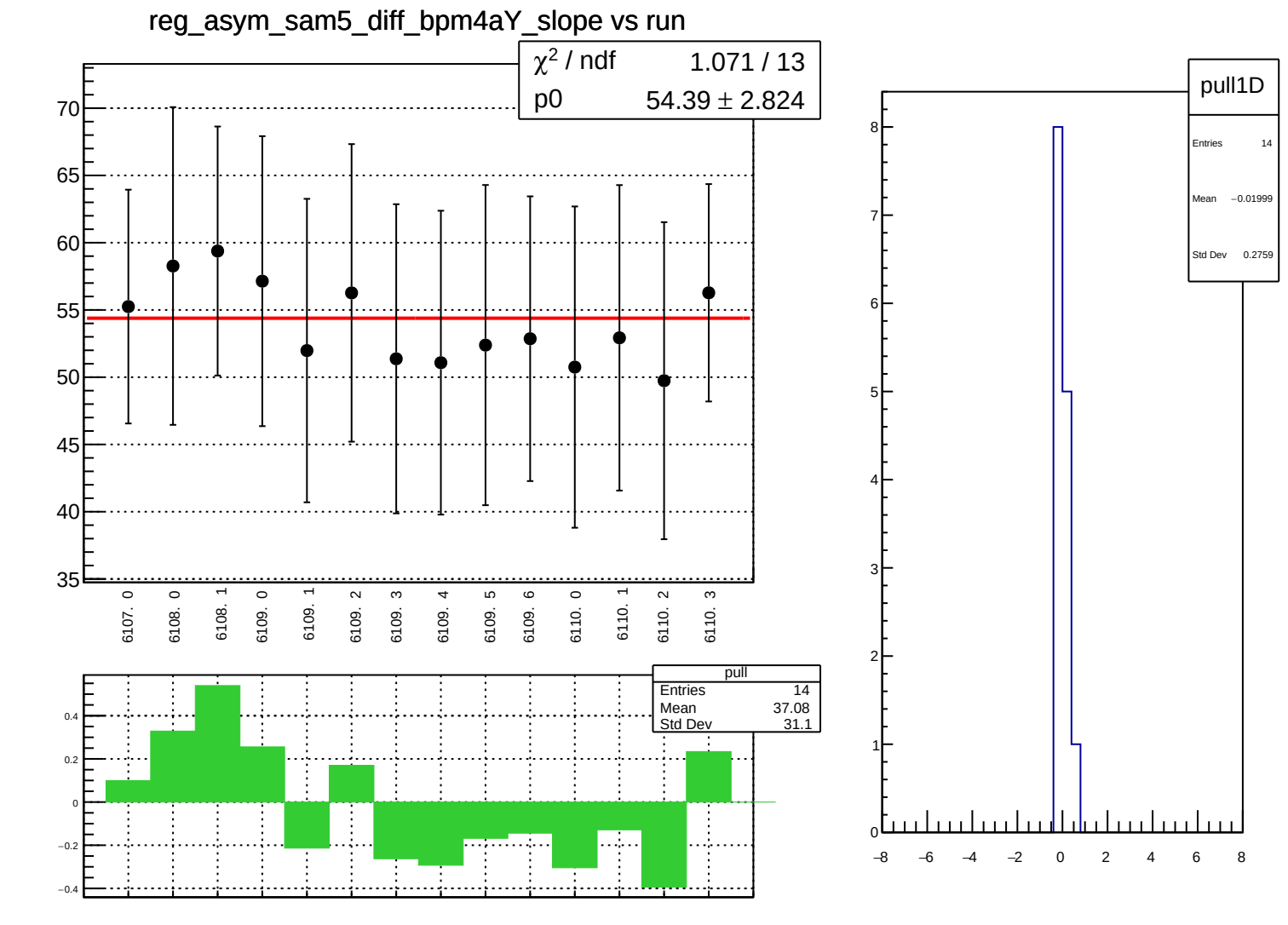

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 1.928 / 13
p0 264.5 ± 8.015
320
300
280
260
240
220
200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 44.16
Std Dev 37.62
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

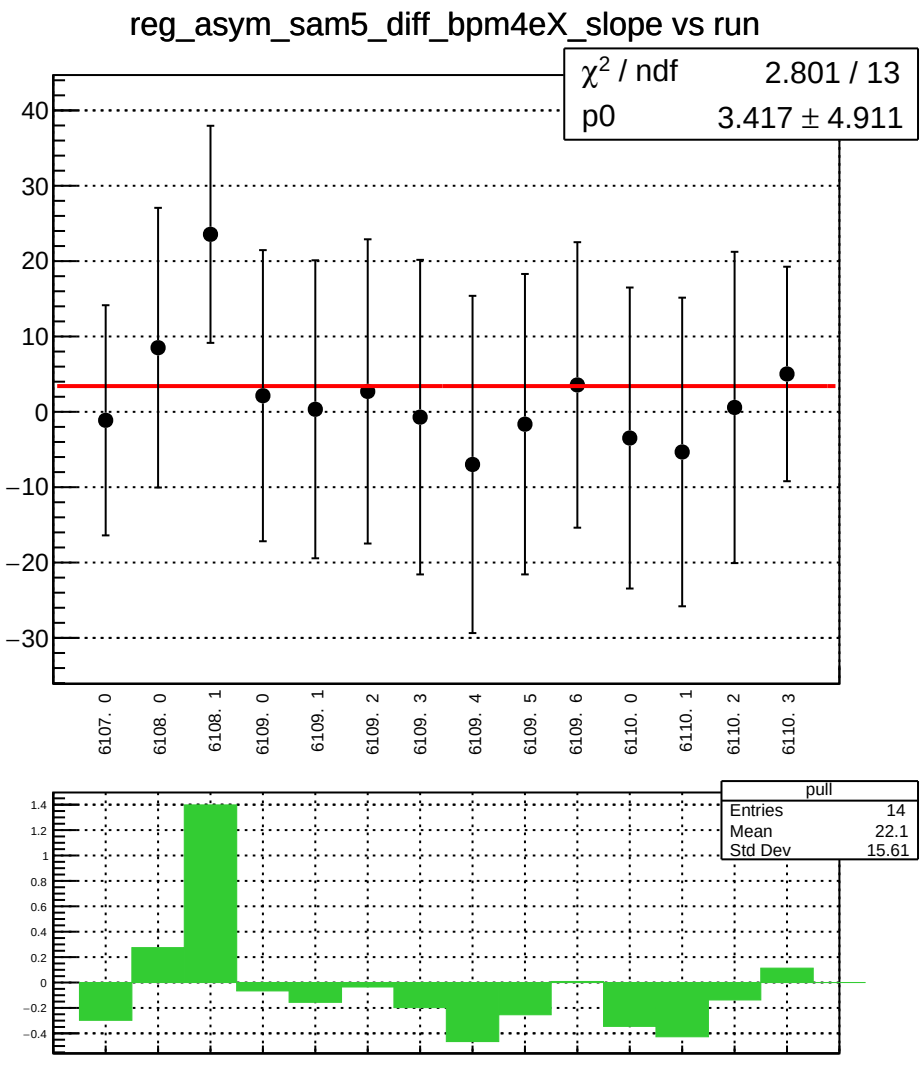

pull1D
Entries 14
Mean 0.01877
Std Dev 0.3706
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

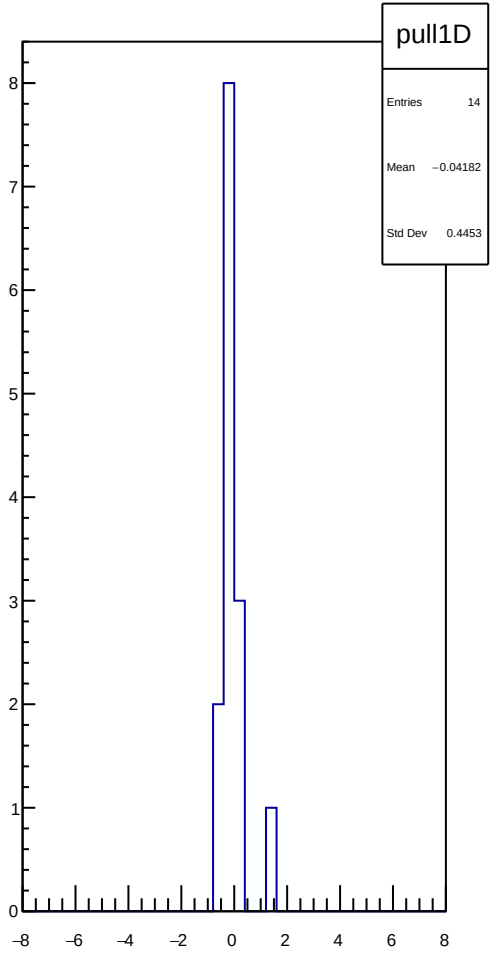

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.787 / 13
p0 −3.361 ± 0.5672
0
−1
−2
−3
−4
−5
−6
−7
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 16.82
Std Dev 11.29
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

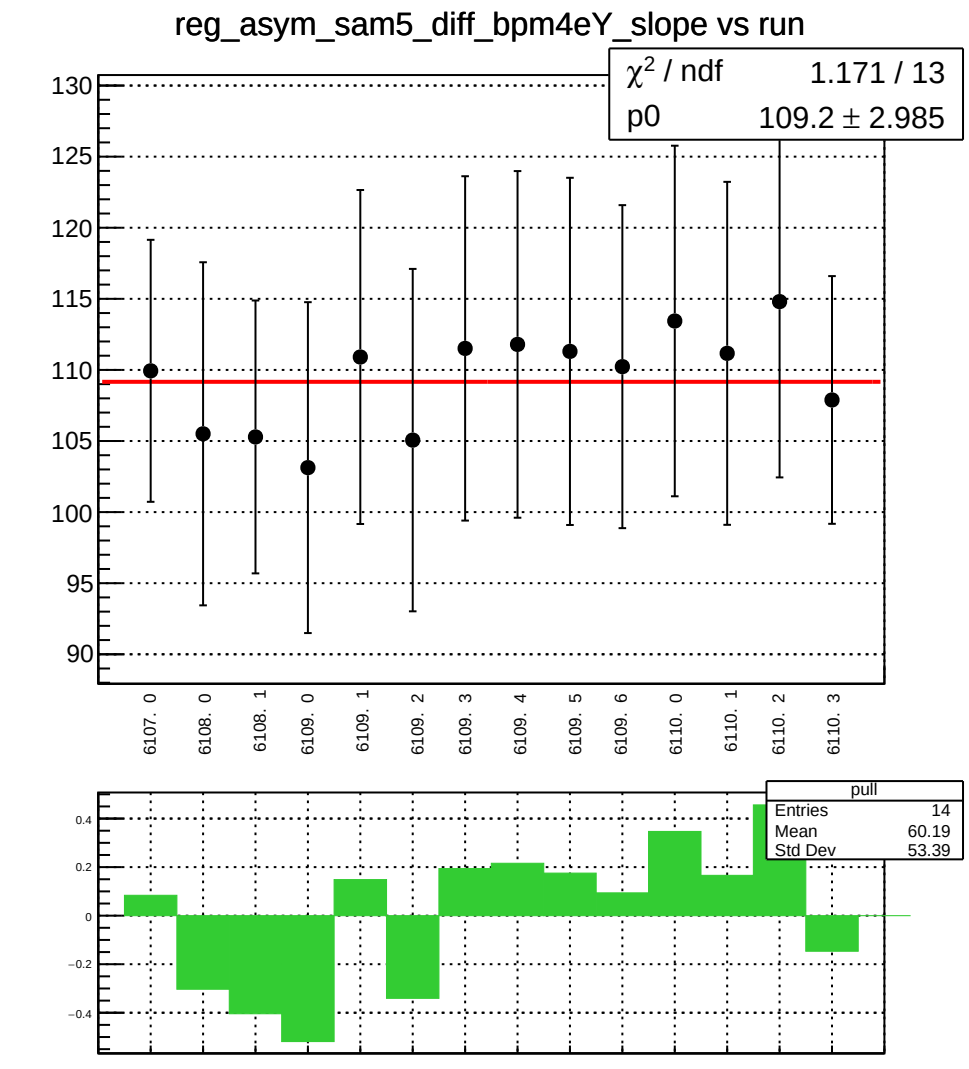

pull1D
Entries 14
Mean 0.03203
Std Dev 0.3558
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

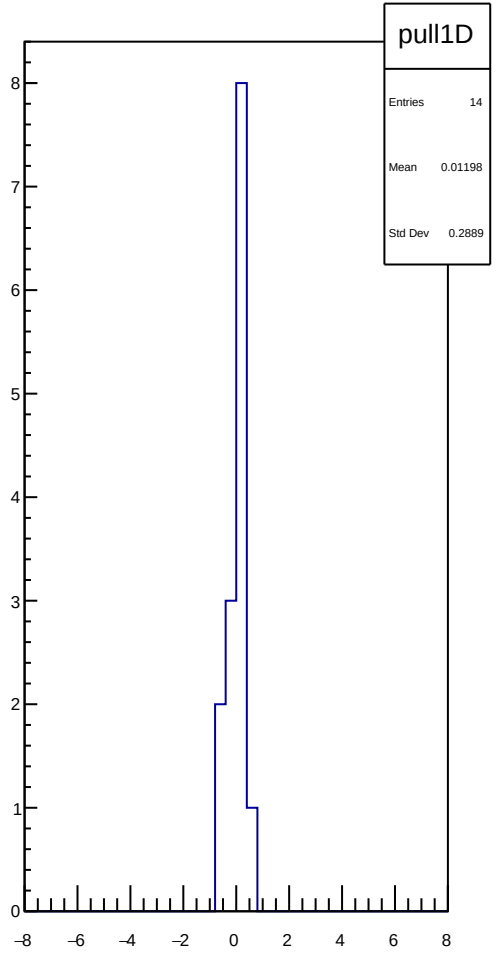

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 2.81 / 13
p0 −2.709 ± 4.22
30
20
10
0
−10
−20
−30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.52
Std Dev 15.98
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 14
Mean 0.04162
Std Dev 0.4461
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

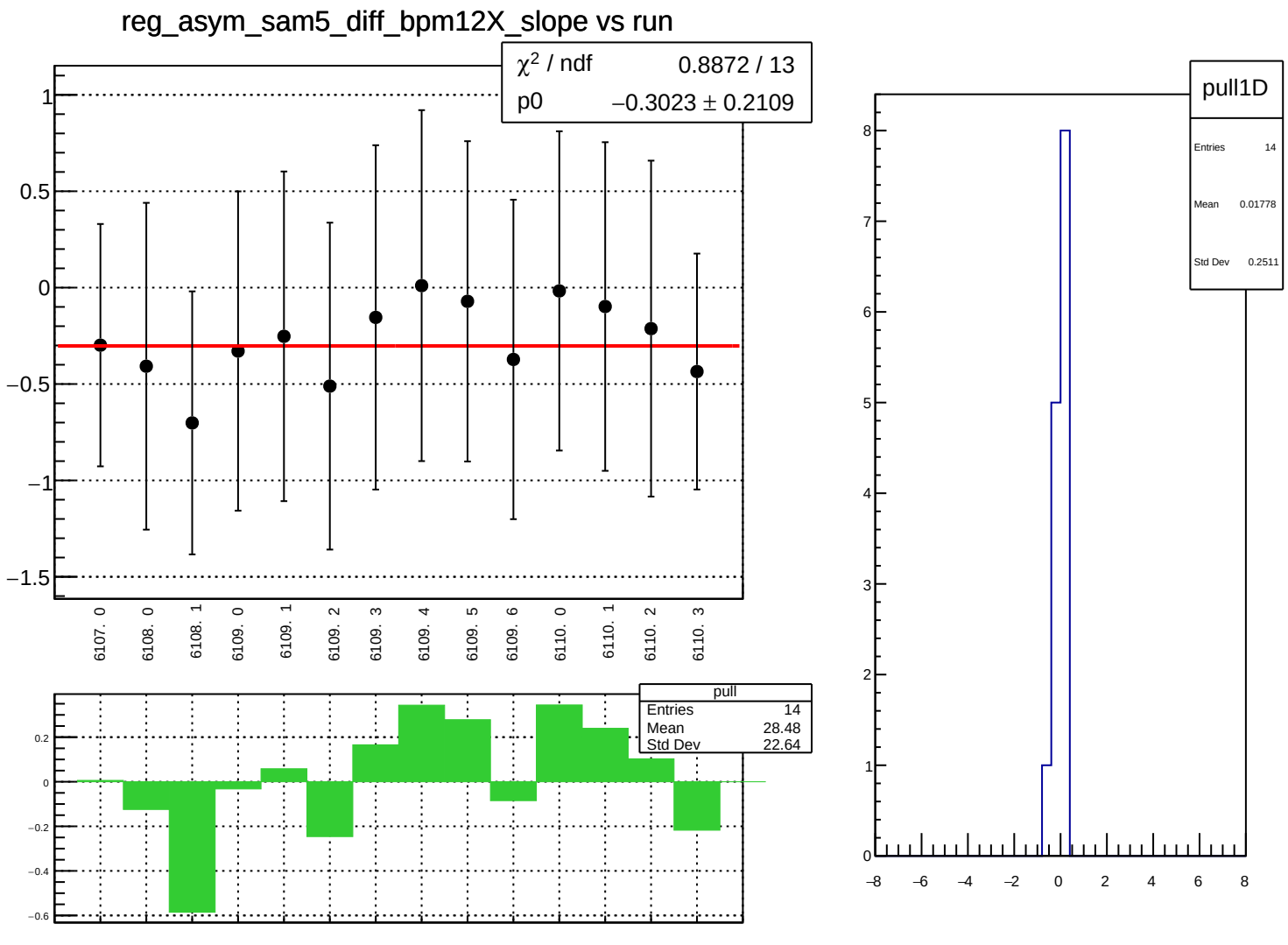

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 1.071 / 13
p0 54.39 ± 2.824
70
65
60
55
50
45
40
35
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 37.08
Std Dev 31.1
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.01999
Std Dev 0.2759
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

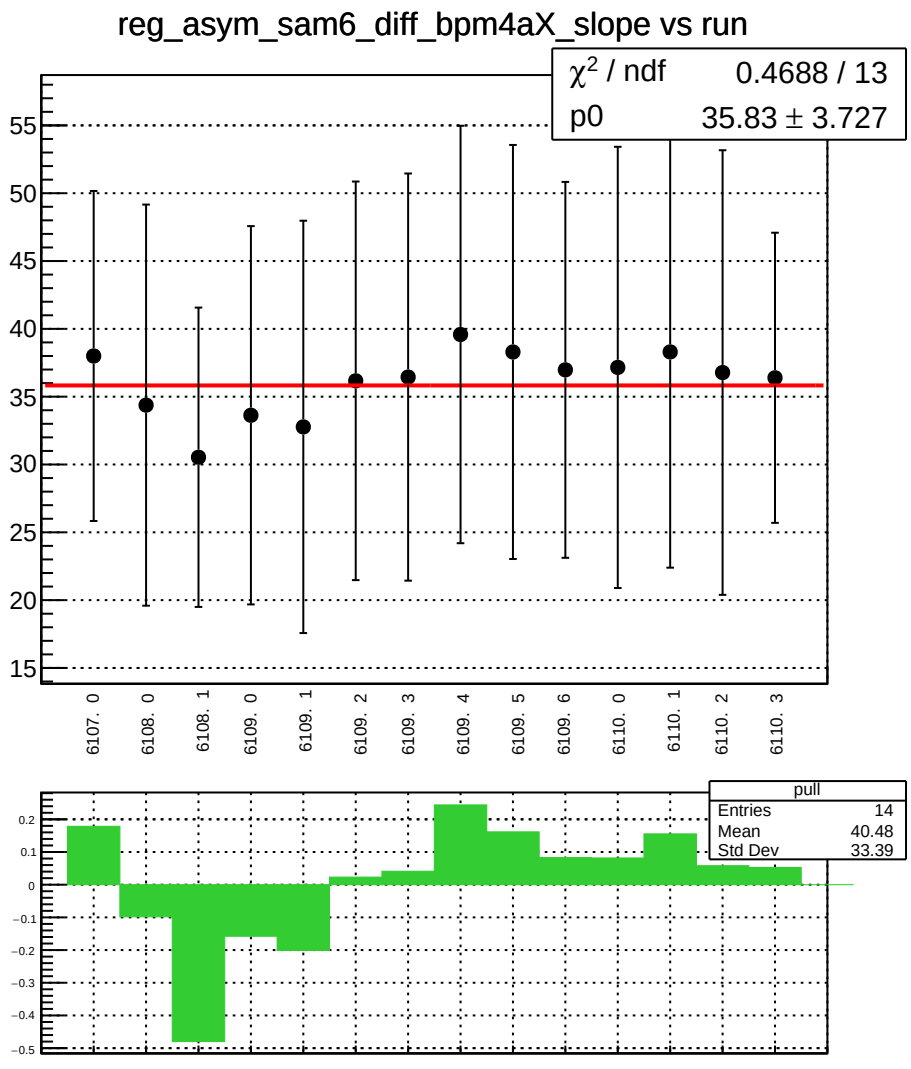

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.801 / 13
p0 3.417 ± 4.911
40
30
20
10
0
−10
−20
−30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.1
Std Dev 15.61
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

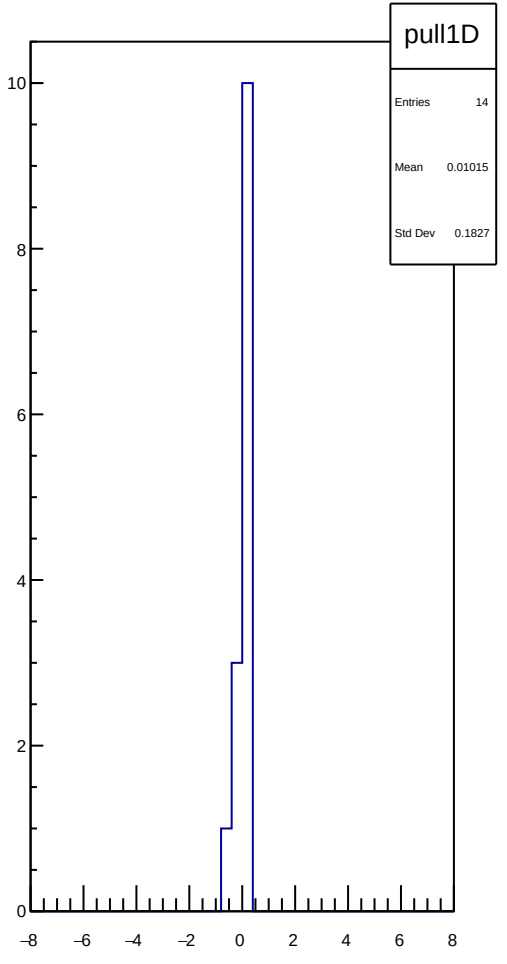

pull1D
Entries 14
Mean −0.04182
Std Dev 0.4453
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

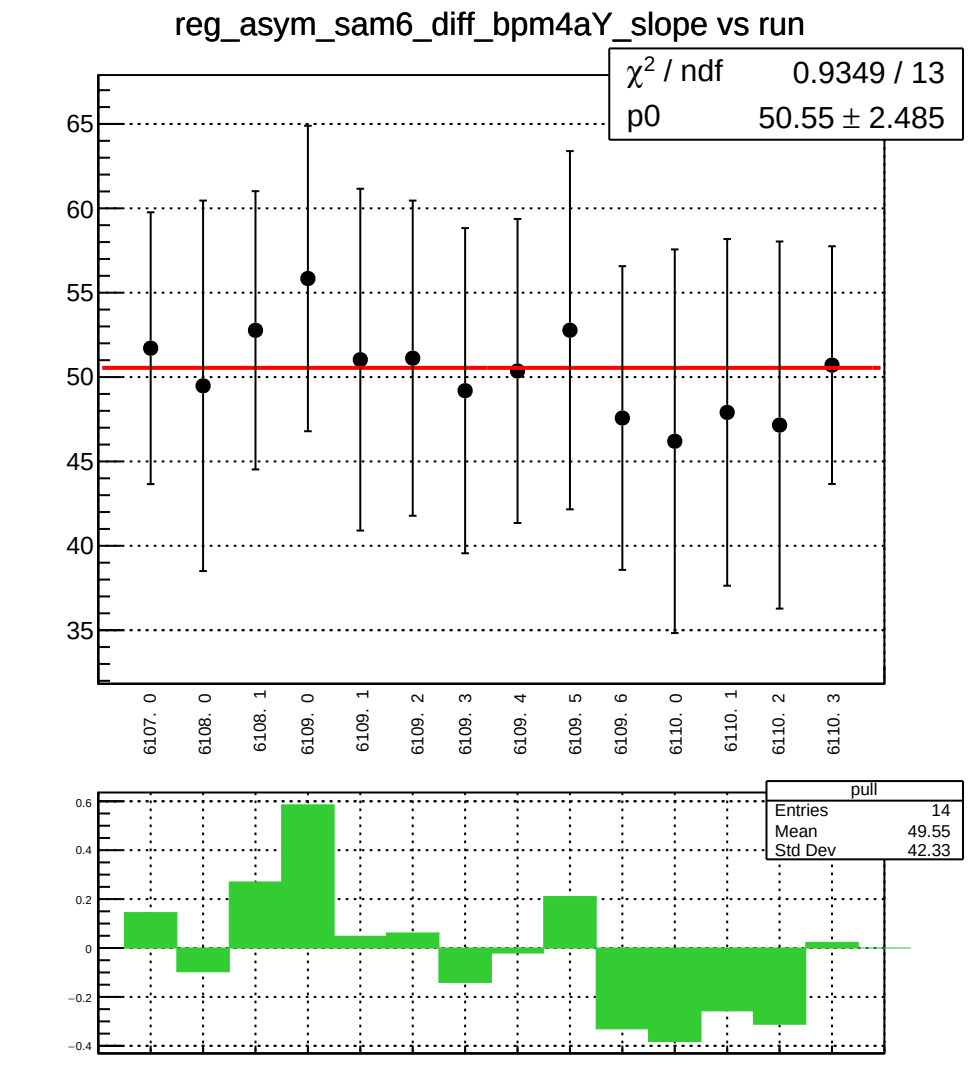

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 1.171 / 13
p0 109.2 ± 2.985
130
125
120
115
110
105
100
95
90
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 60.19
Std Dev 53.39
0.4
0.2
0
−0.2
−0.4

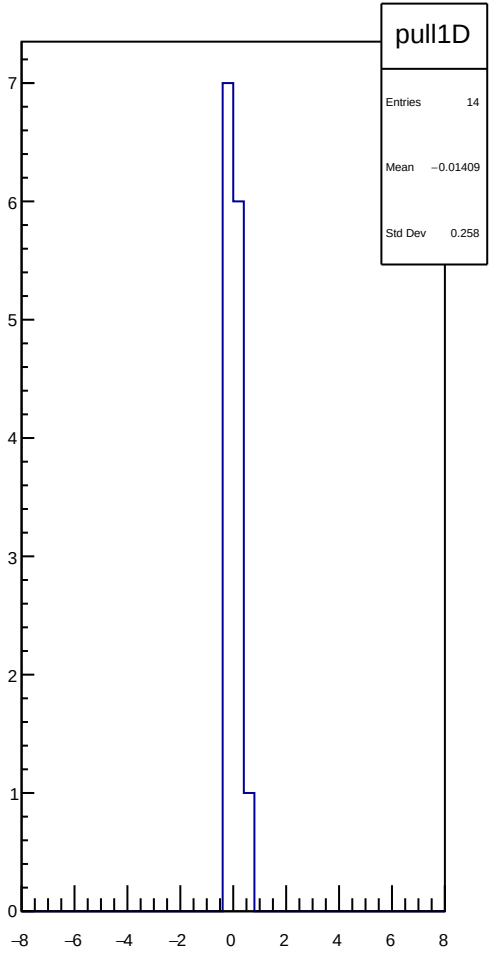

pull1D
Entries 14
Mean 0.01198
Std Dev 0.2889
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

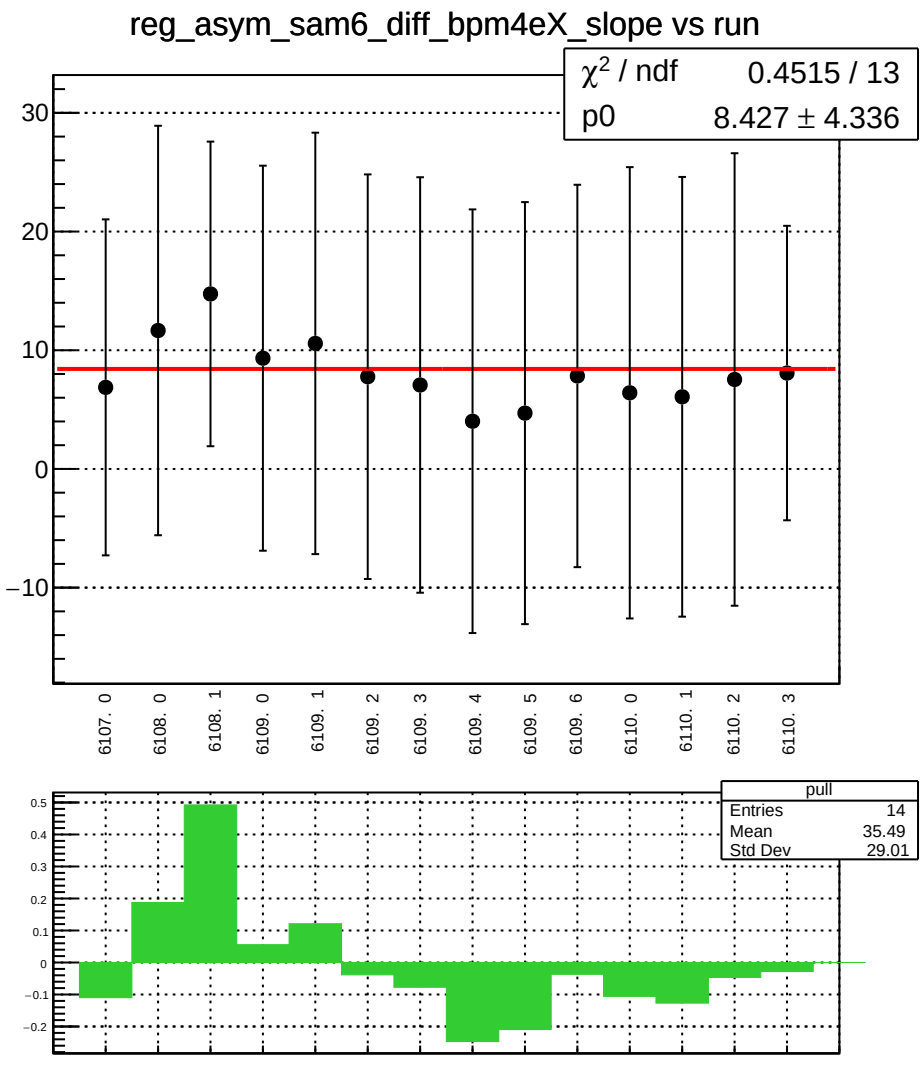

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 0.8872 / 13
p0 −0.3023 ± 0.2109
1
0.5
0
−0.5
−1
−1.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.48
Std Dev 22.64
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean 0.01778
Std Dev 0.2511
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

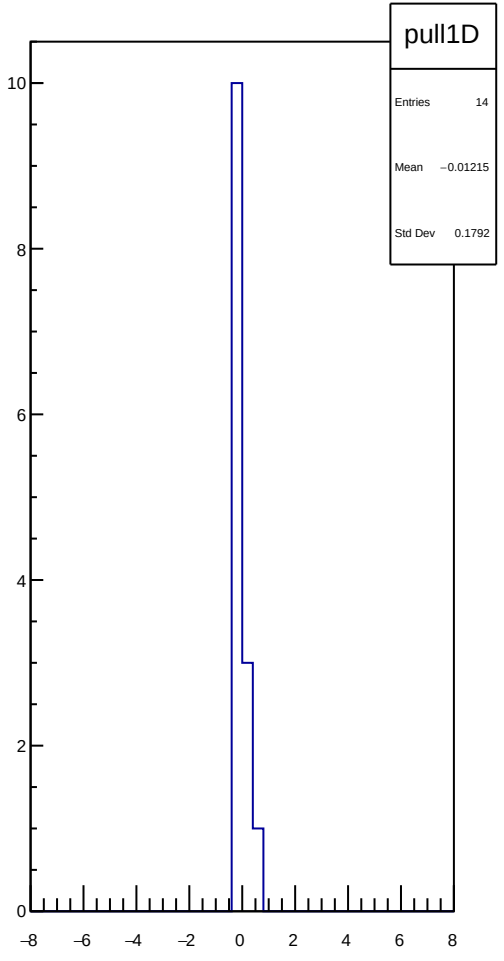

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 0.4688 / 13
p0 35.83 ± 3.727
55
50
45
40
35
30
25
20
15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 40.48
Std Dev 33.39
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

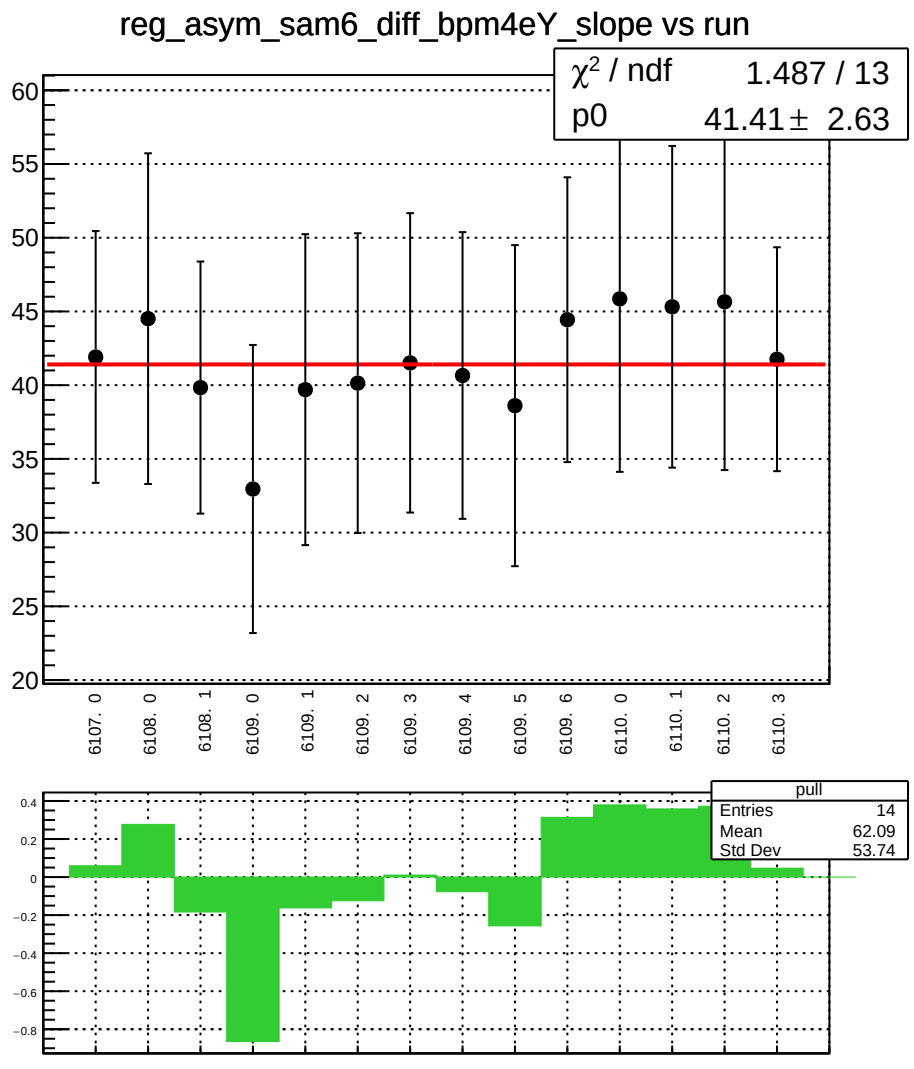

pull1D
Entries 14
Mean 0.01015
Std Dev 0.1827
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

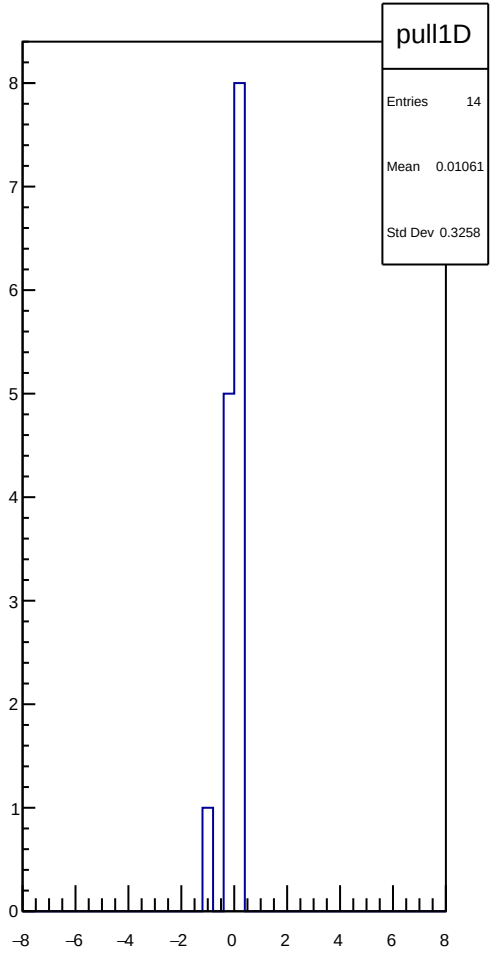

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 0.9349 / 13
p0 50.55 ± 2.485
65
60
55
50
45
40
35
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 49.55
Std Dev 42.33
0.6
0.4
0.2
0
−0.2
−0.4

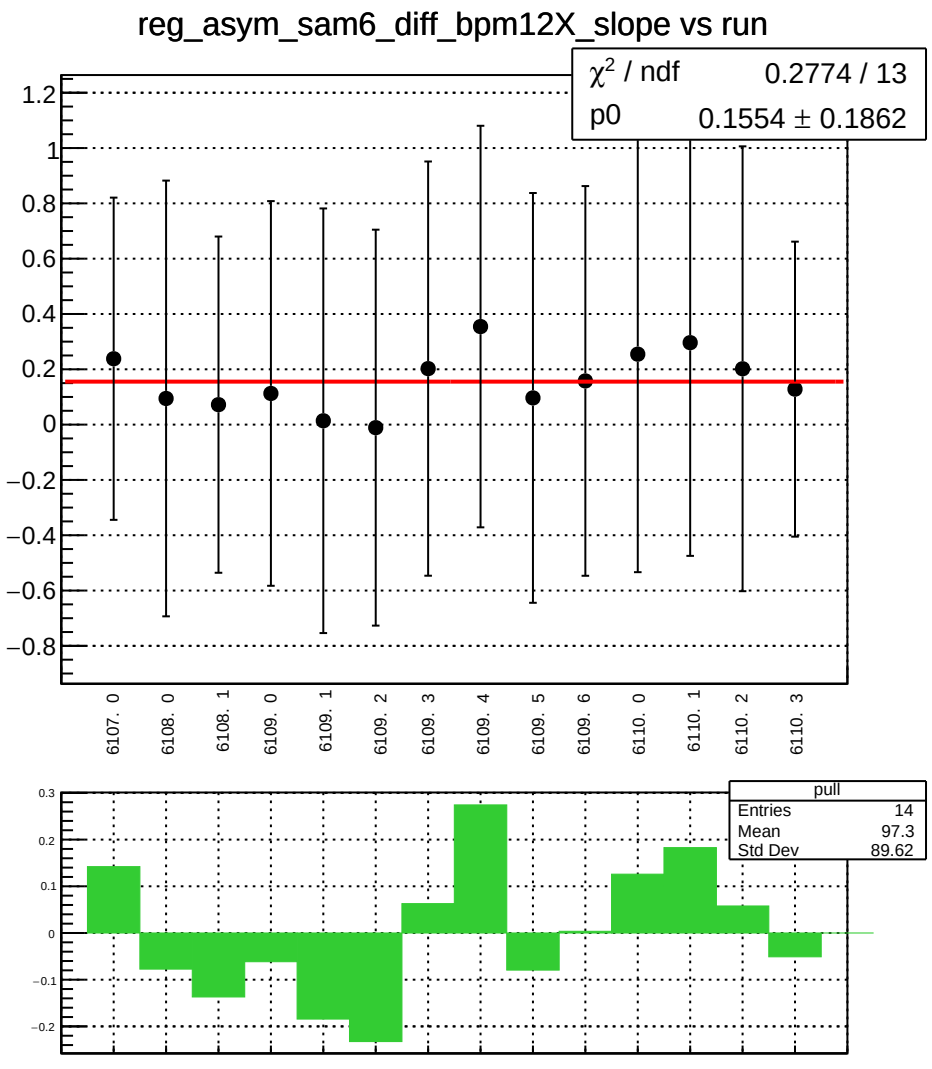

pull1D
Entries 14
Mean −0.01409
Std Dev 0.258
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

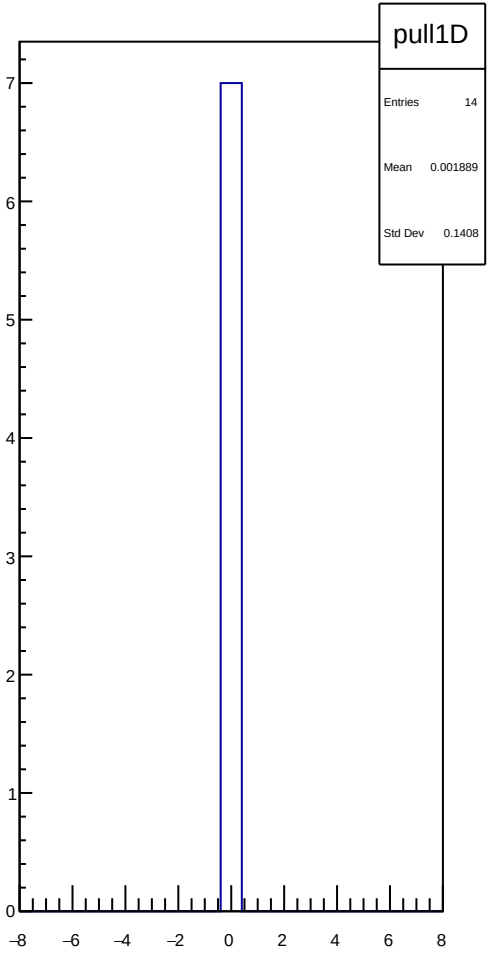

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 0.4515 / 13
p0 8.427 ± 4.336
30
20
10
0
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 35.49
Std Dev 29.01
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2

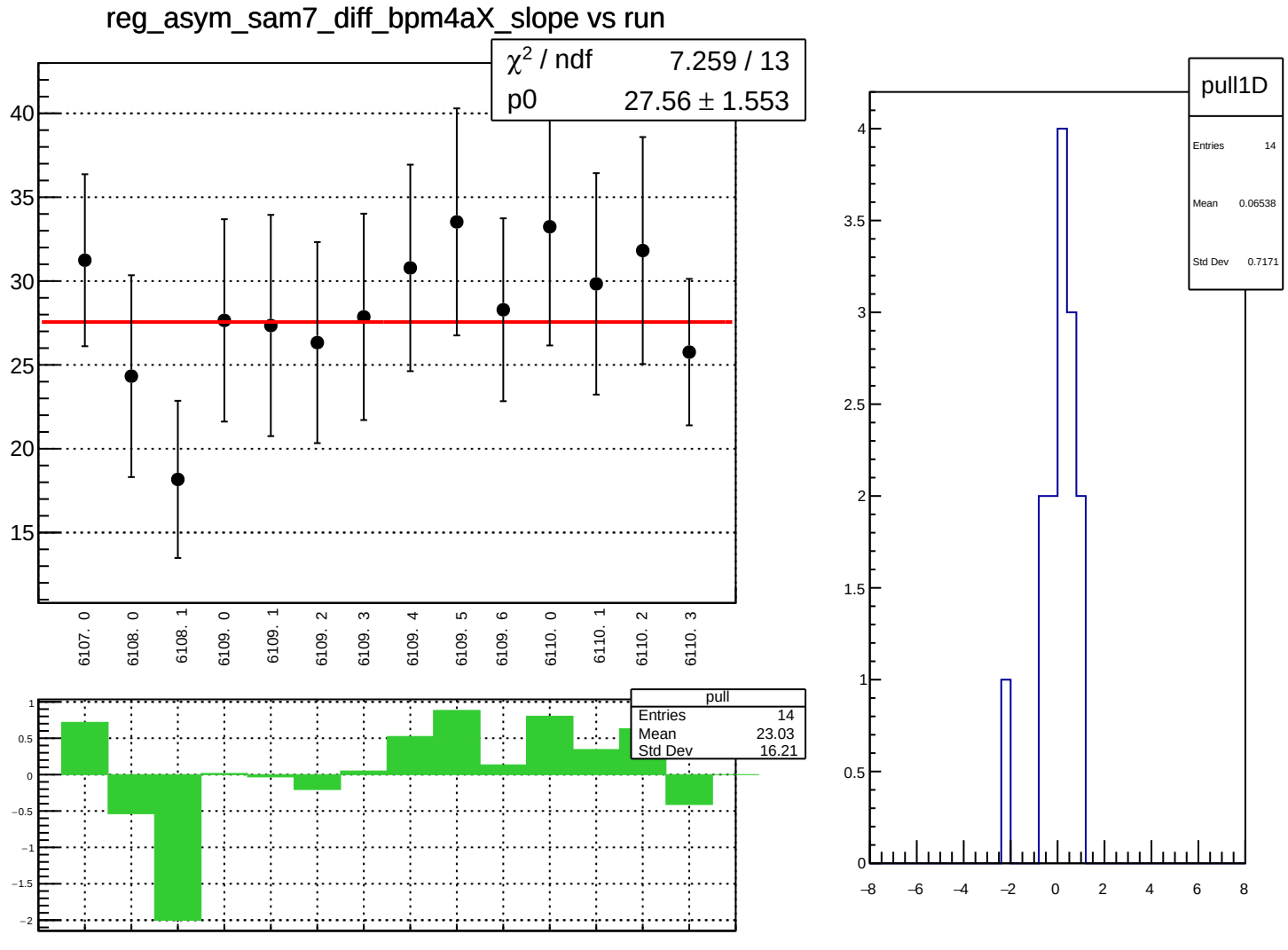

pull1D
Entries 14
Mean −0.01215
Std Dev 0.1792
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

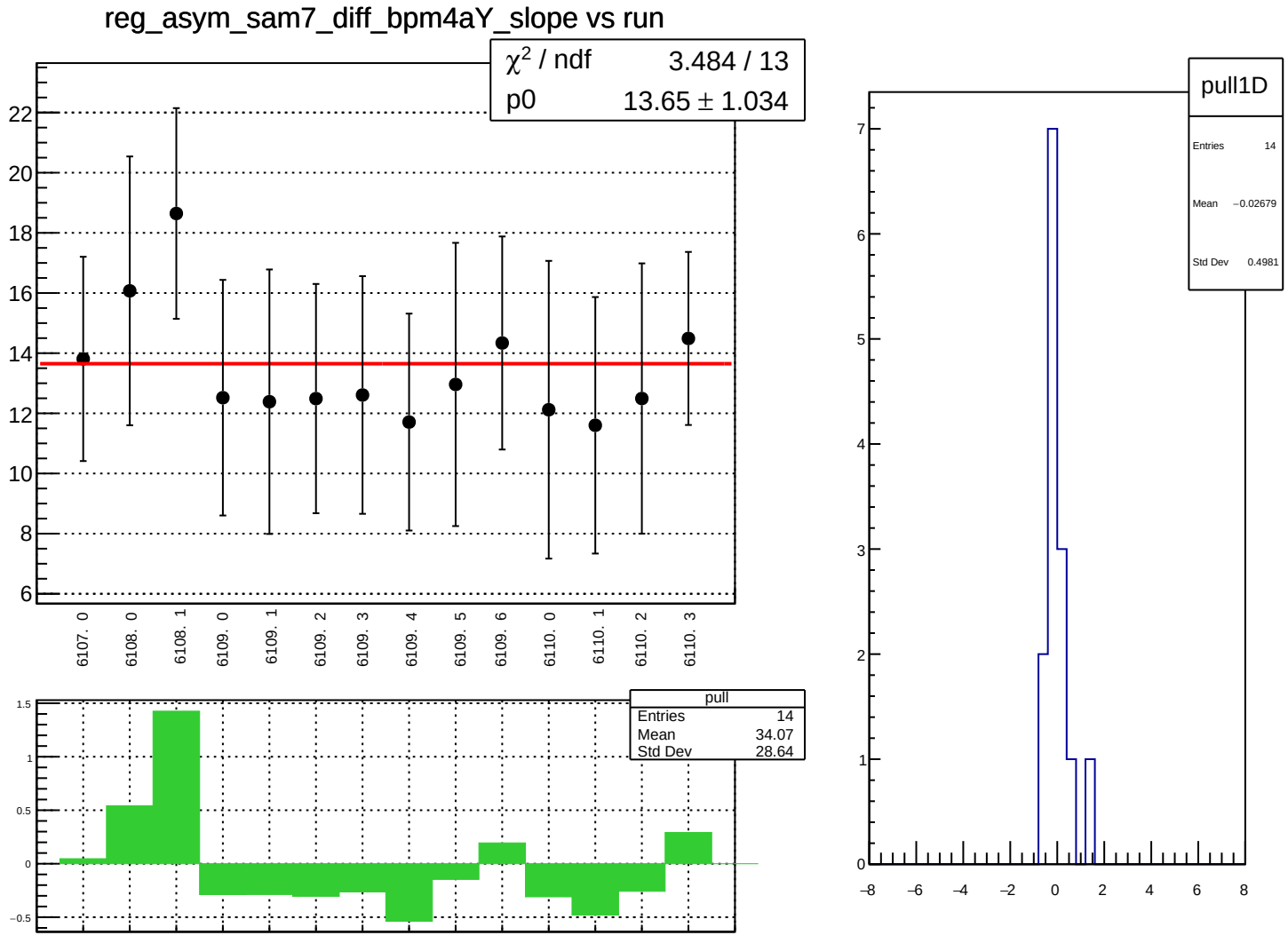

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 1.487 / 13
p0 41.41 ± 2.63
60
55
50
45
40
35
30
25
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 62.09
Std Dev 53.74
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

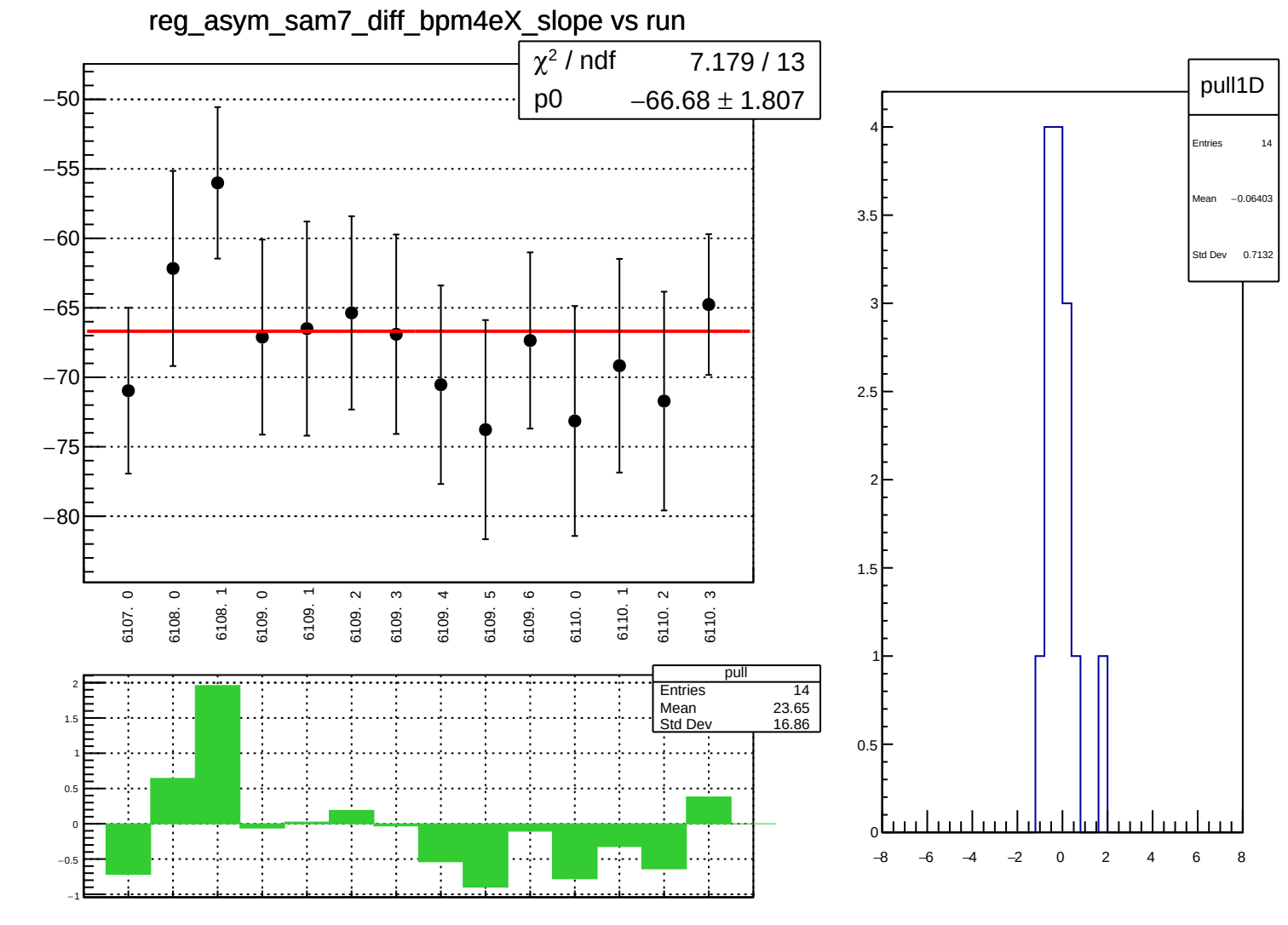

pull1D
Entries 14
Mean 0.01061
Std Dev 0.3258
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

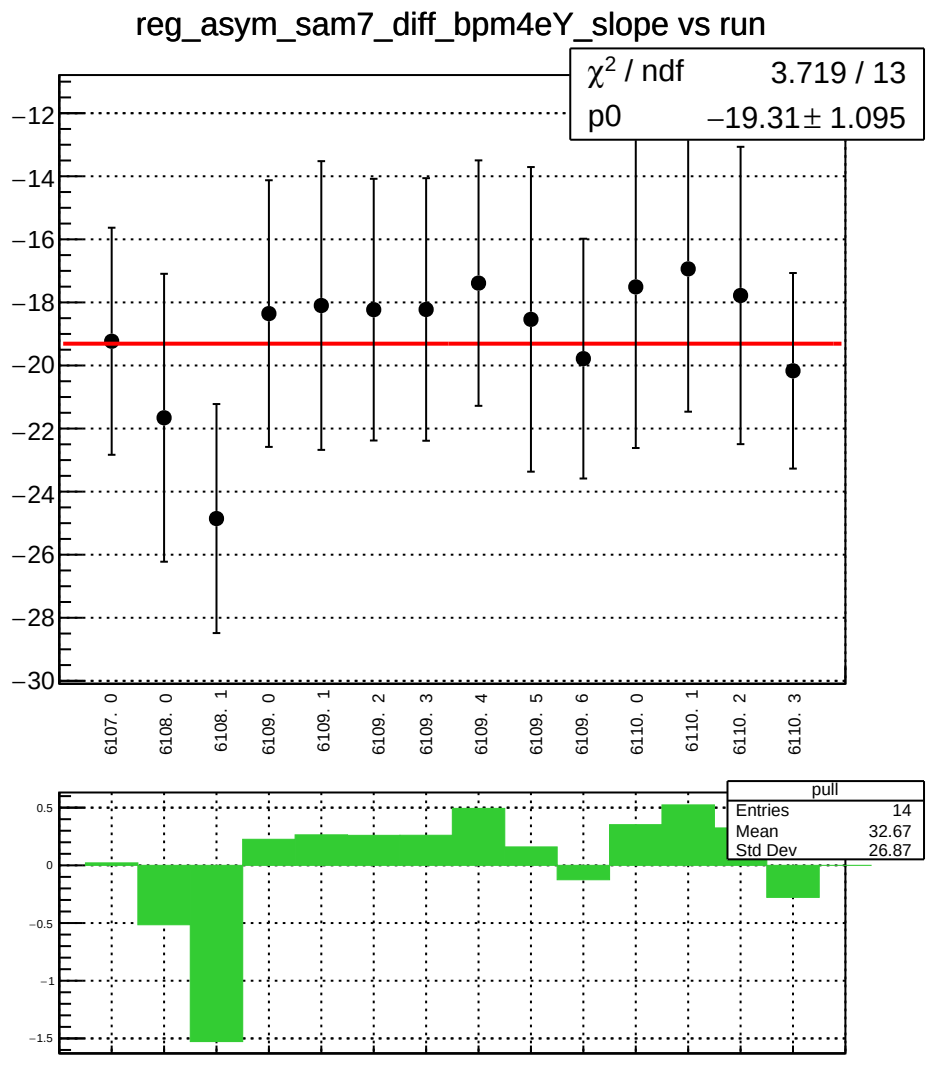

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 0.2774 / 13
p0 0.1554 ± 0.1862
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 97.3
Std Dev 89.62
0.3
0.2
0.1
0
−0.1
−0.2

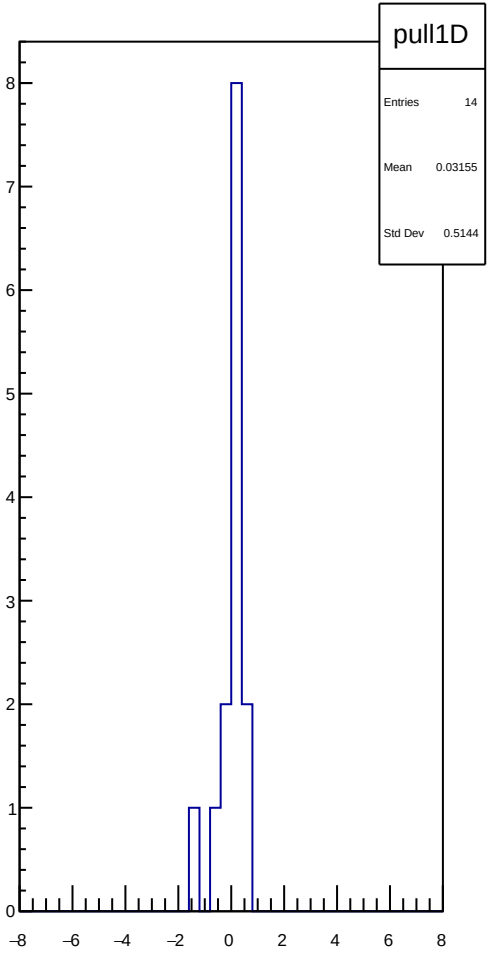

pull1D
Entries 14
Mean 0.001889
Std Dev 0.1408
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

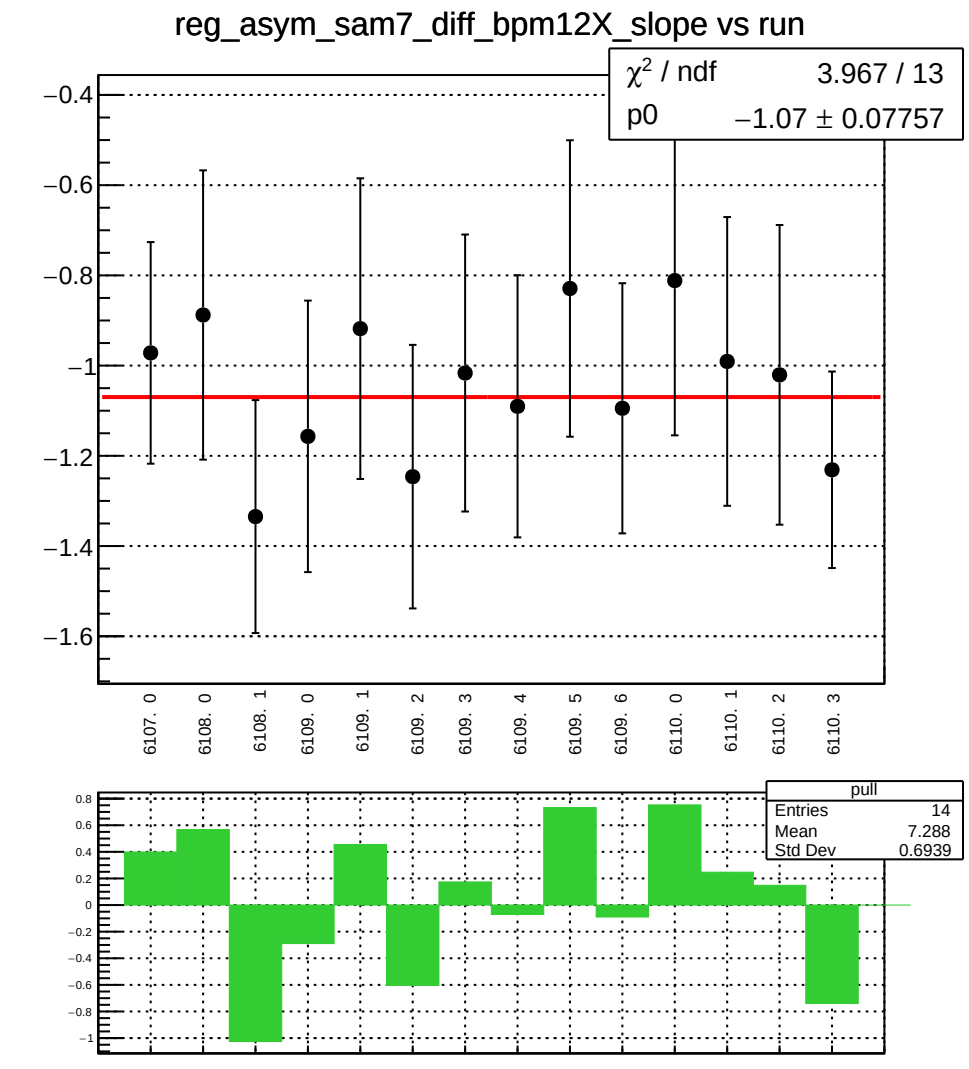

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 7.259 / 13
p0 27.56 ± 1.553
40
35
30
25
20
15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.03
Std Dev 16.21
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.06538
Std Dev 0.7171
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

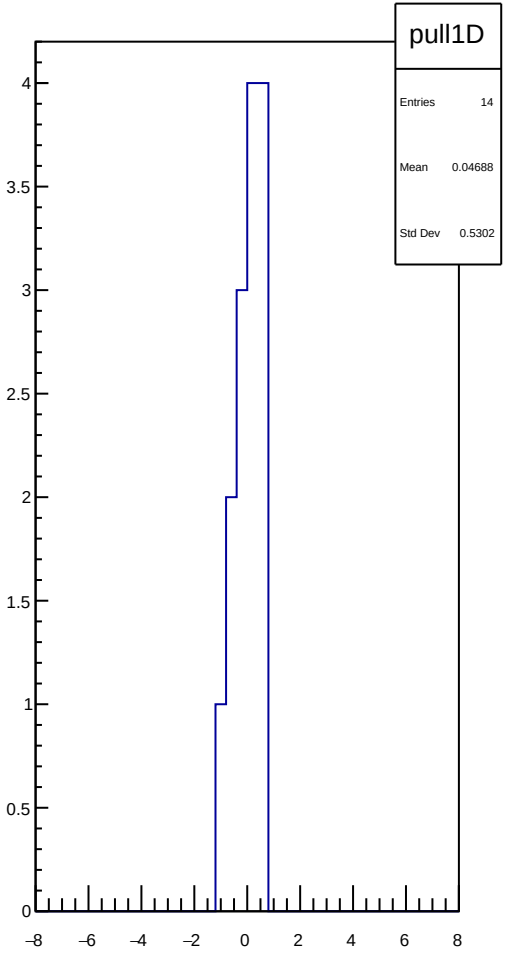

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.484 / 13
p0 13.65 ± 1.034
22
20
18
16
14
12
10
8
6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 34.07
Std Dev 28.64
1.5
1
0.5
0
−0.5
pull1D
Entries 14
Mean −0.02679
Std Dev 0.4981
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

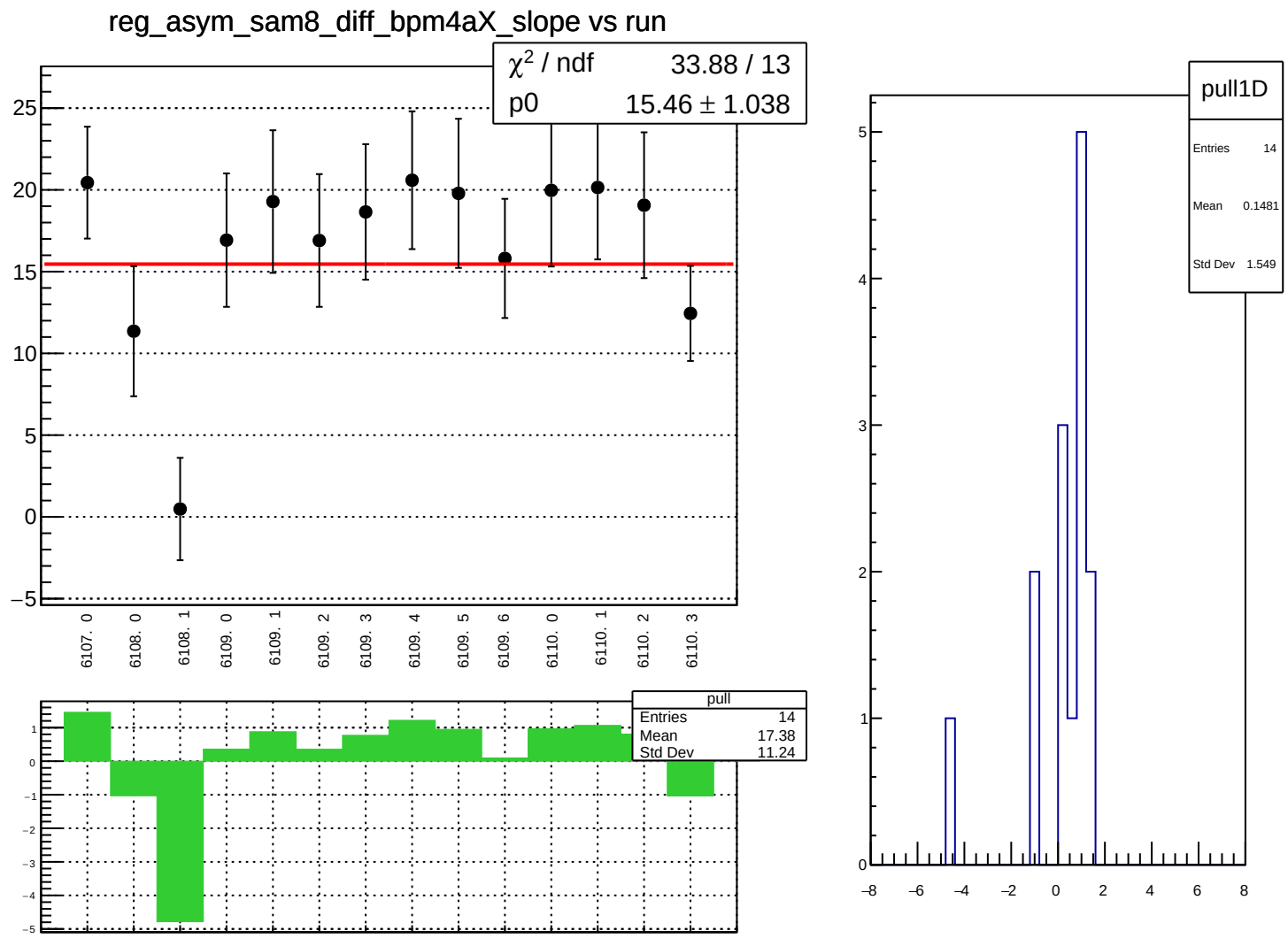

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 7.179 / 13
p0 −66.68 ± 1.807
−50
−55
−60
−65
−70
−75
−80
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.65
Std Dev 16.86
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean −0.06403
Std Dev 0.7132
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

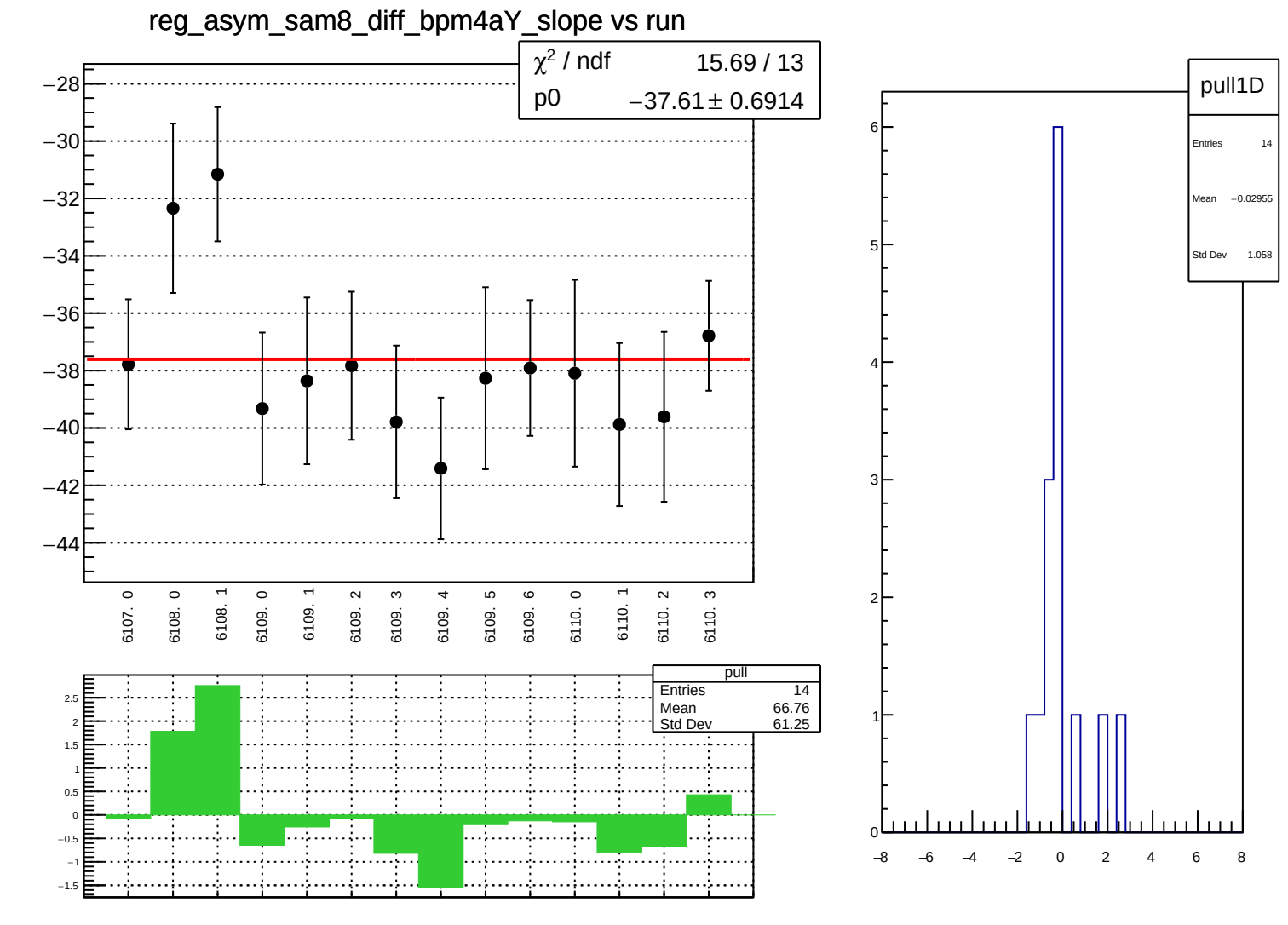

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 3.719 / 13
p0 −19.31± 1.095
−12
−14
−16
−18
−20
−22
−24
−26
−28
−30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 32.67
Std Dev 26.87
0.5
0
−0.5
−1
−1.5

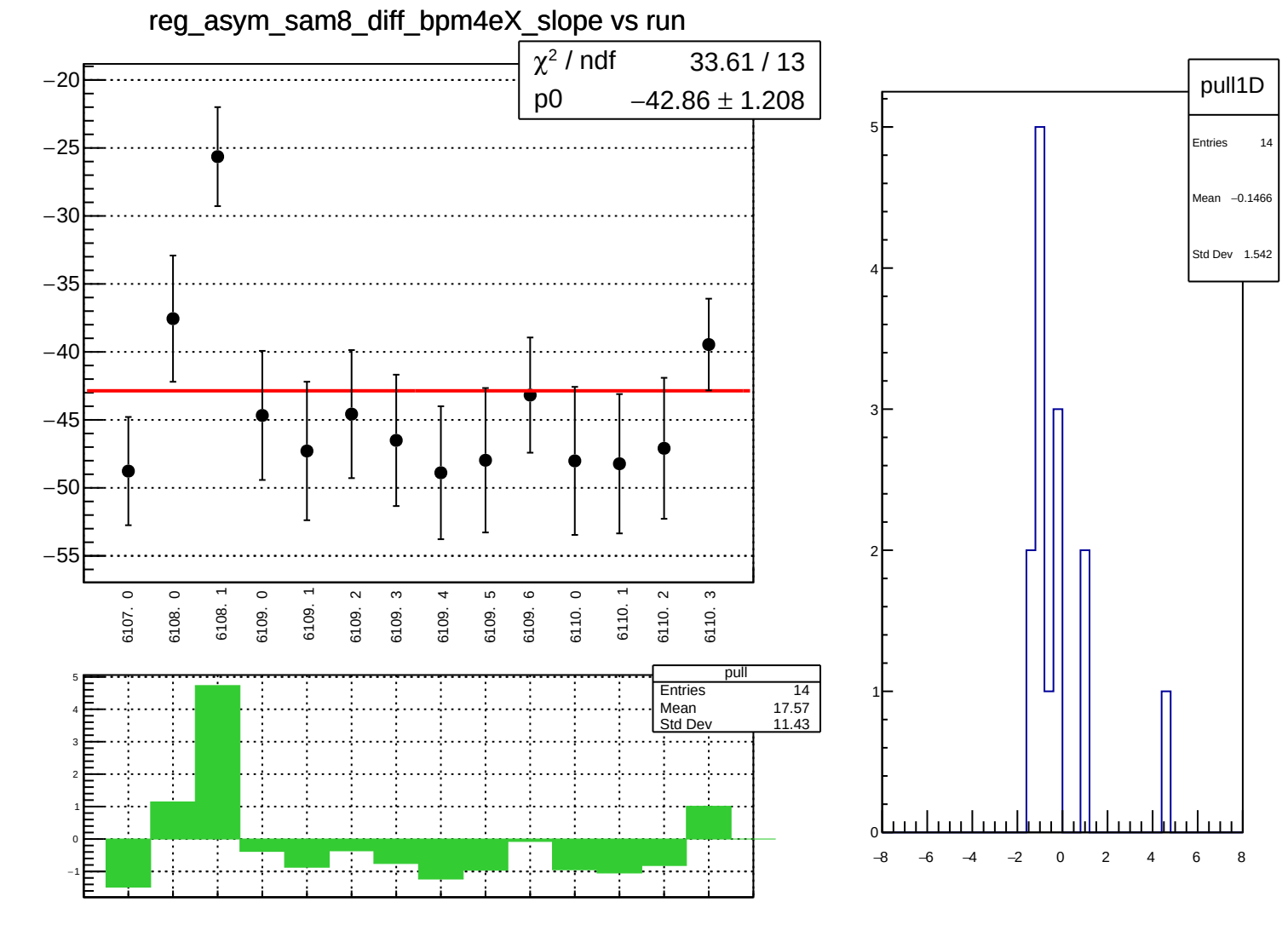

pull1D
Entries 14
Mean 0.03155
Std Dev 0.5144
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

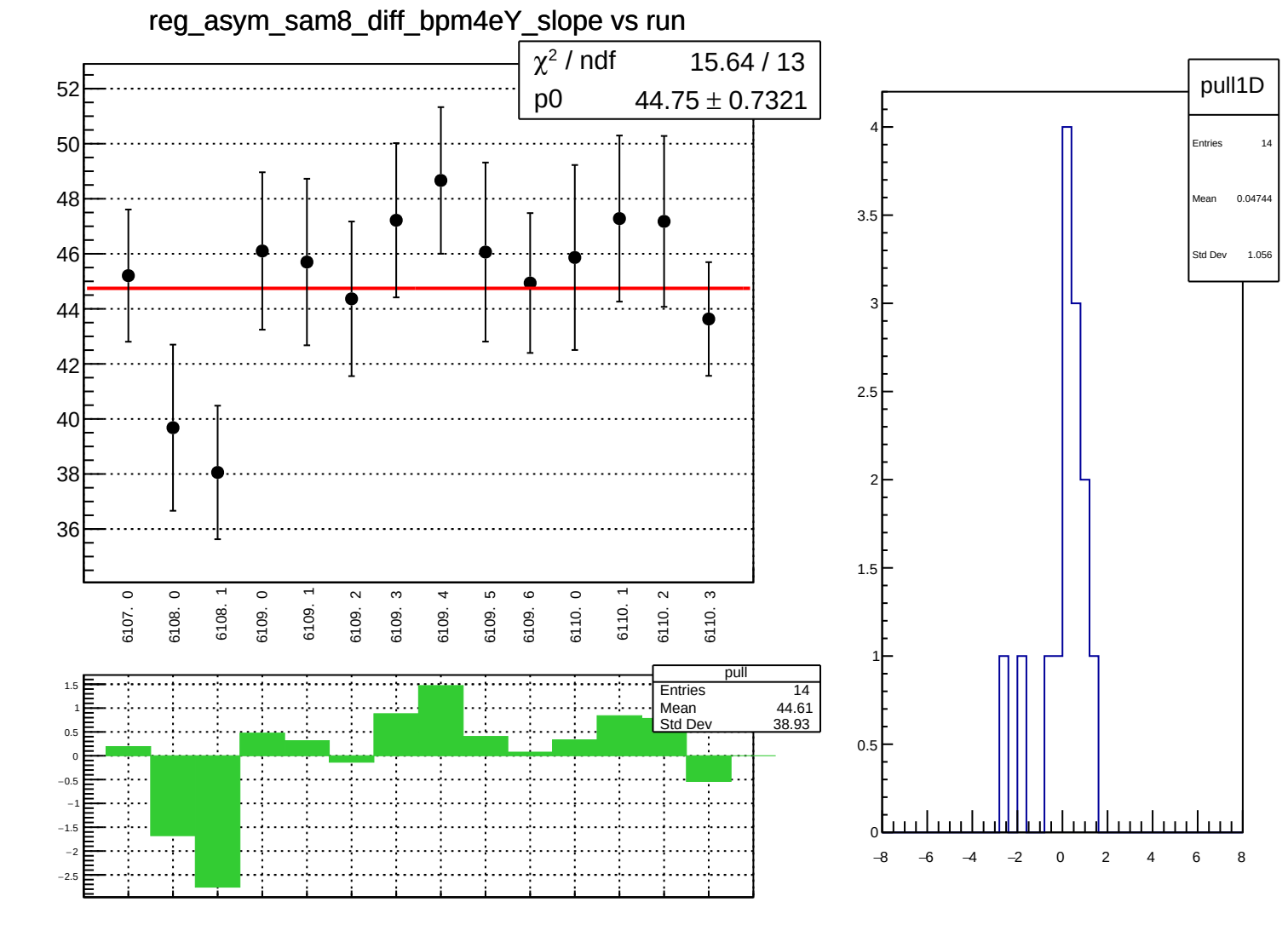

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 3.967 / 13
p0 −1.07 ± 0.07757
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 7.288
Std Dev 0.6939
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

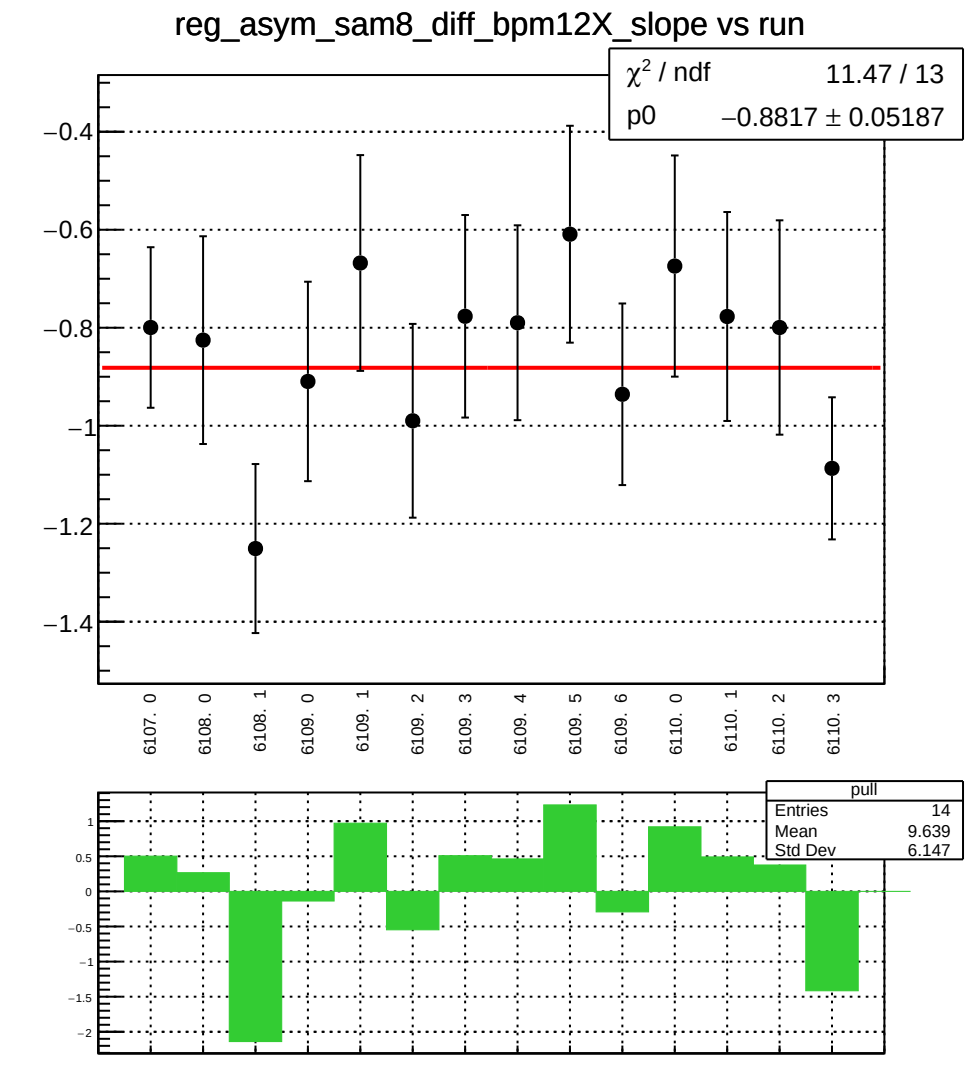

pull1D
Entries 14
Mean 0.04688
Std Dev 0.5302
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

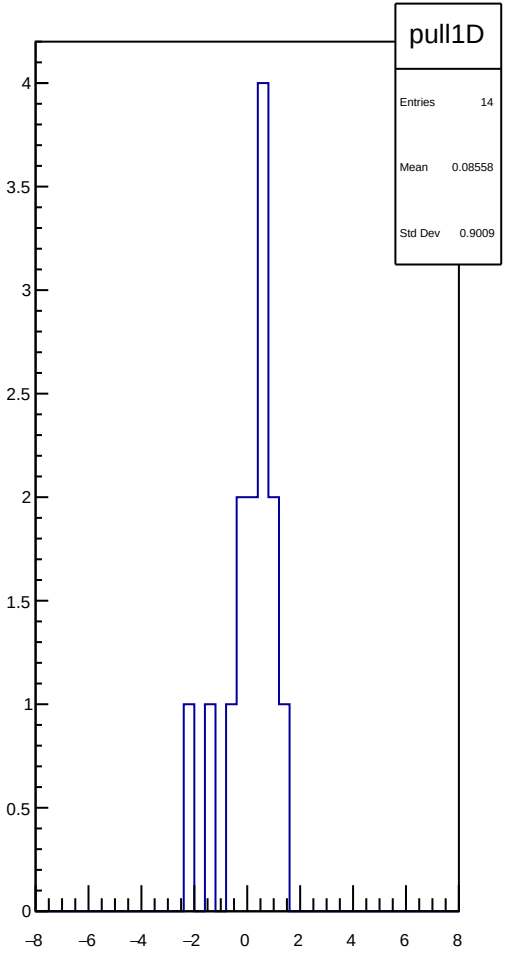

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 33.88 / 13
p0 15.46 ± 1.038
25
20
15
10
5
0
−5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 17.38
Std Dev 11.24
1
0
−1
−2
−3
−4
−5
pull1D
Entries 14
Mean 0.1481
Std Dev 1.549
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

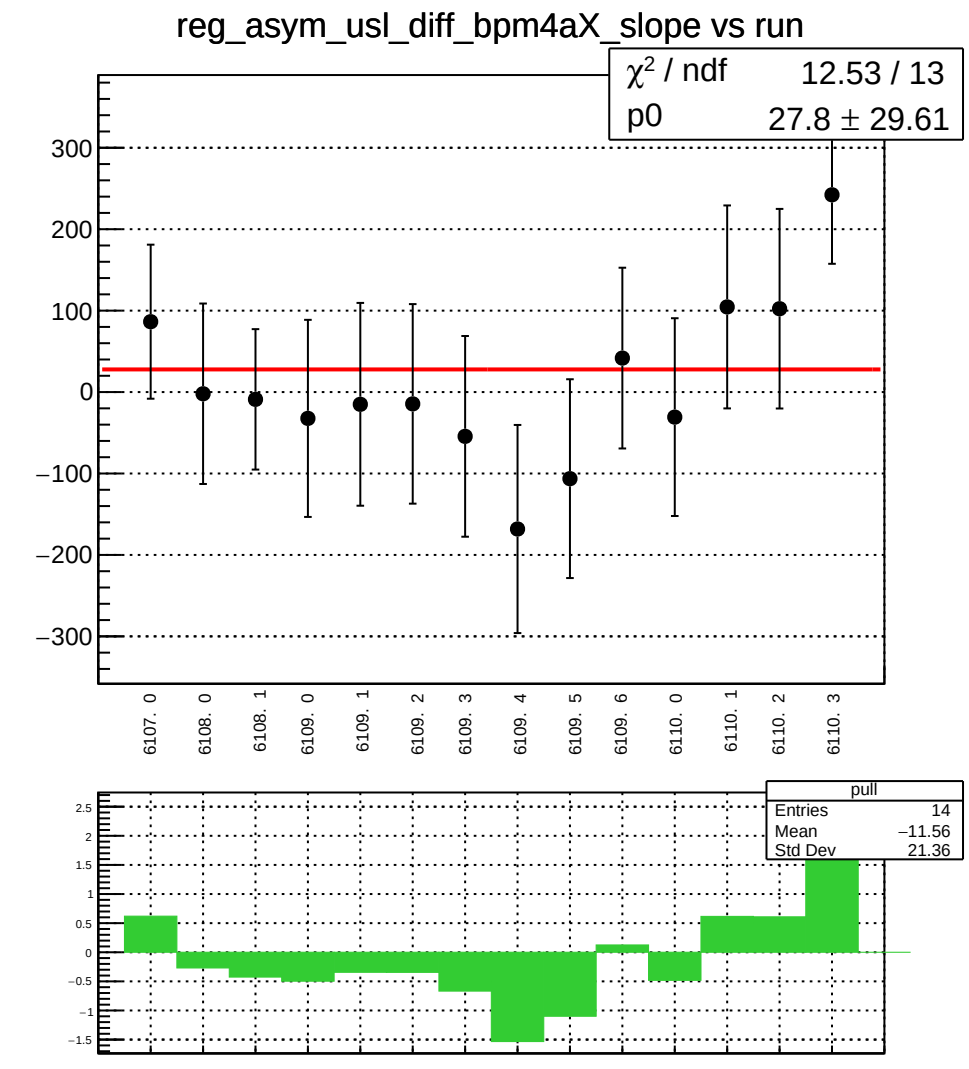

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 15.69 / 13
p0 −37.61 ± 0.6914
−28
−30
−32
−34
−36
−38
−40
−42
−44
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 66.76
Std Dev 61.25
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.02955
Std Dev 1.058
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

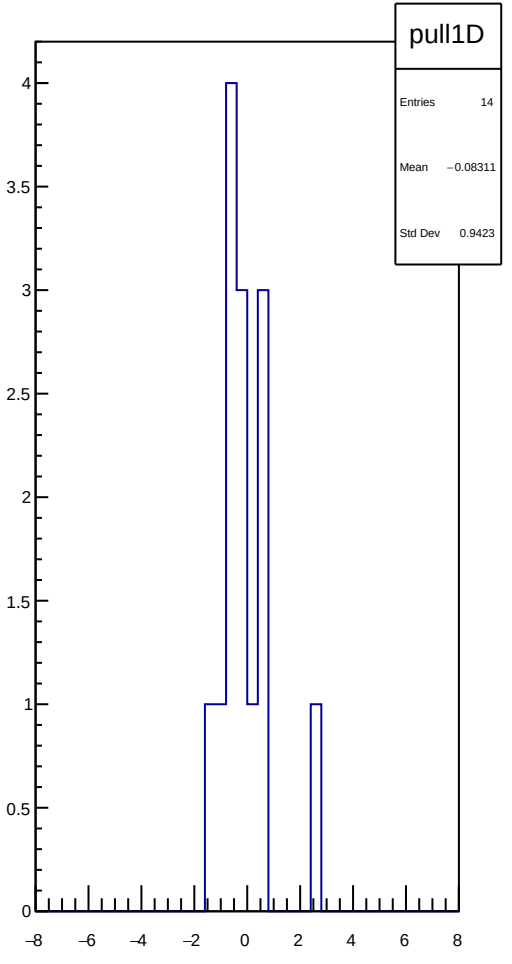

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 33.61 / 13
p0 −42.86 ± 1.208
−20
−25
−30
−35
−40
−45
−50
−55
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 17.57
Std Dev 11.43
pull1D
Entries 14
Mean −0.1466
Std Dev 1.542

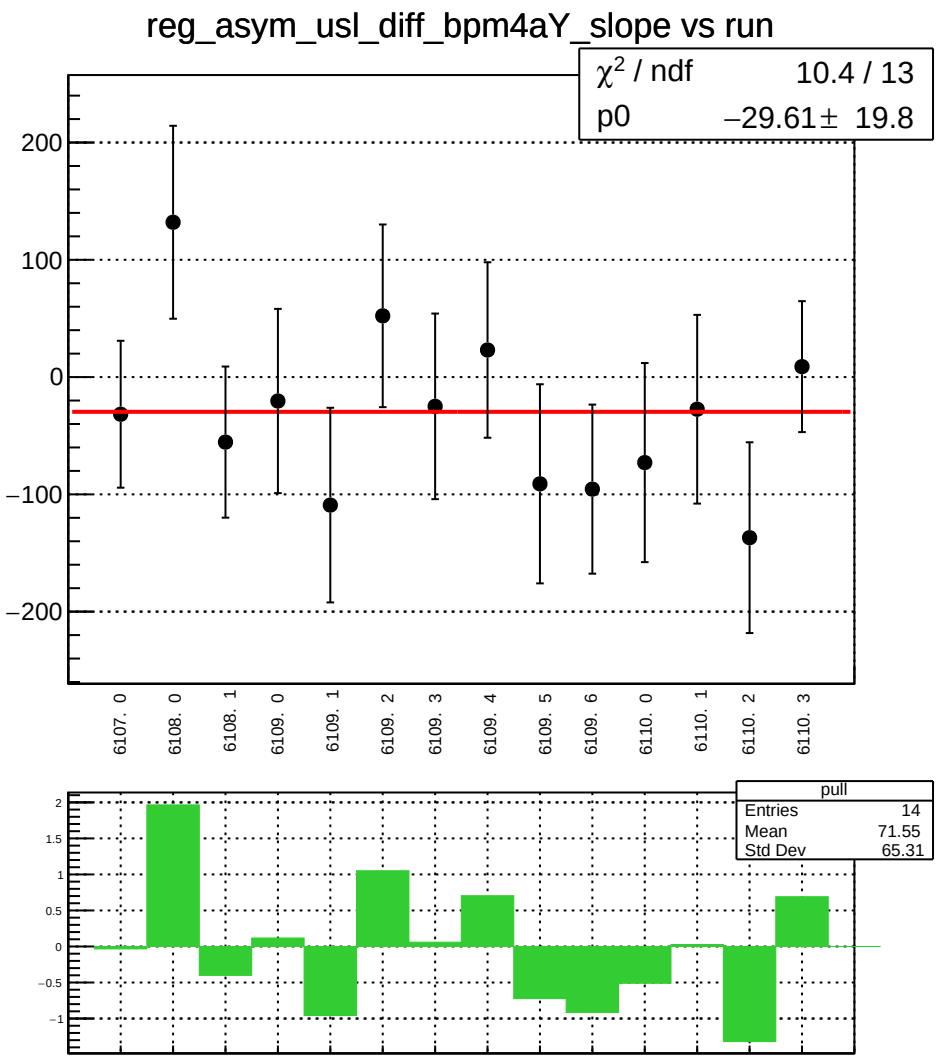

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 15.64 / 13
p0 44.75 ± 0.7321
52
50
48
46
44
42
40
38
36
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 44.61
Std Dev 38.93
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 14
Mean 0.04744
Std Dev 1.056
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

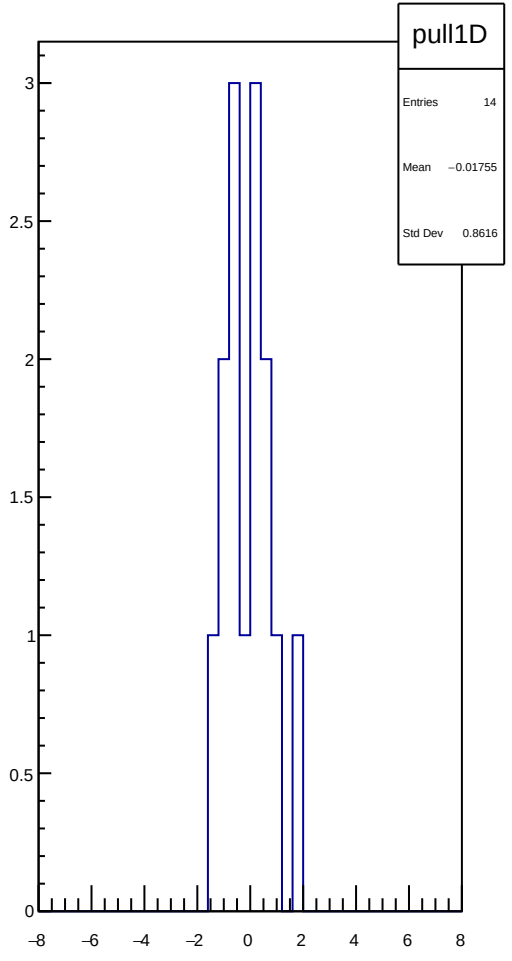

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 11.47 / 13
p0 −0.8817 ± 0.05187
−0.4
−0.6
−0.8
−1
−1.2
−1.4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 9.639
Std Dev 6.147
1
0.5
0
−0.5
−1
−1.5
−2

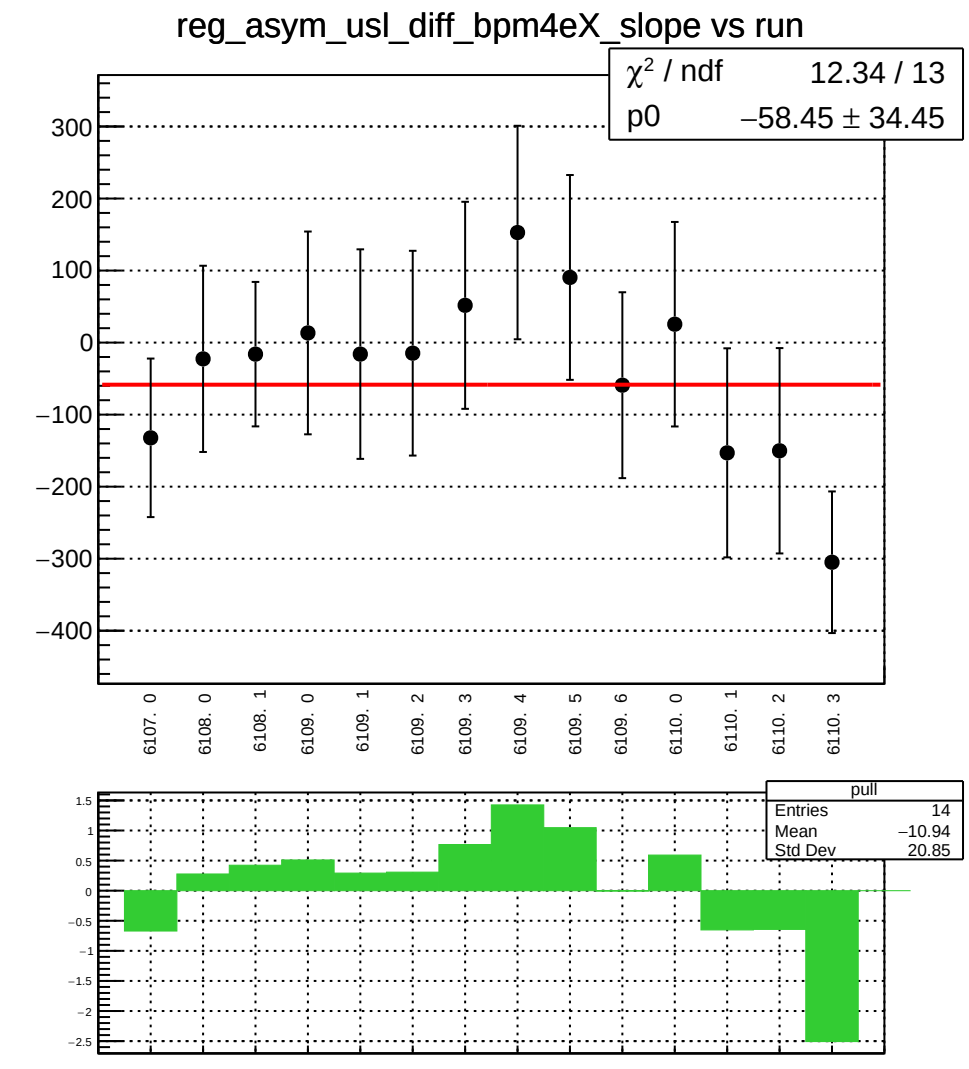

pull1D
Entries 14
Mean 0.08558
Std Dev 0.9009
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

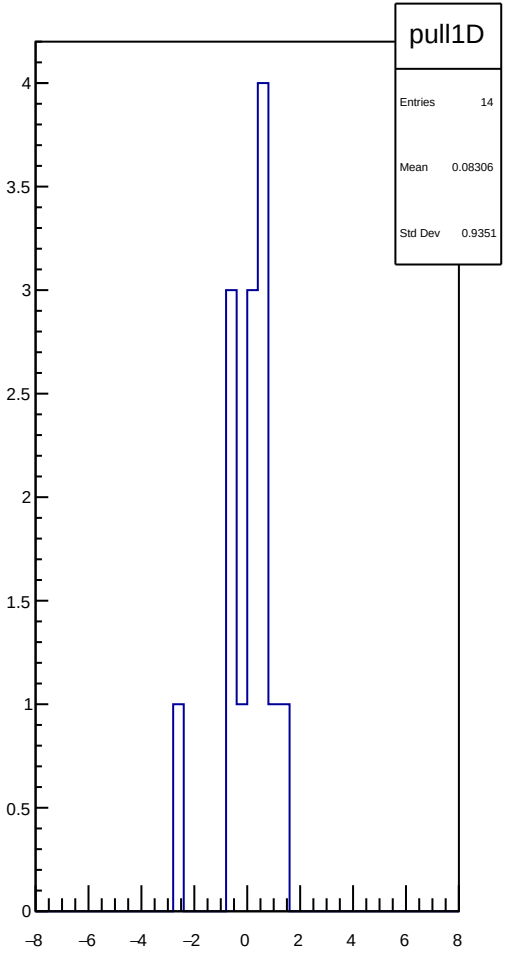

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 12.53 / 13
p0 27.8 ± 29.61
300
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.56
Std Dev 21.36
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

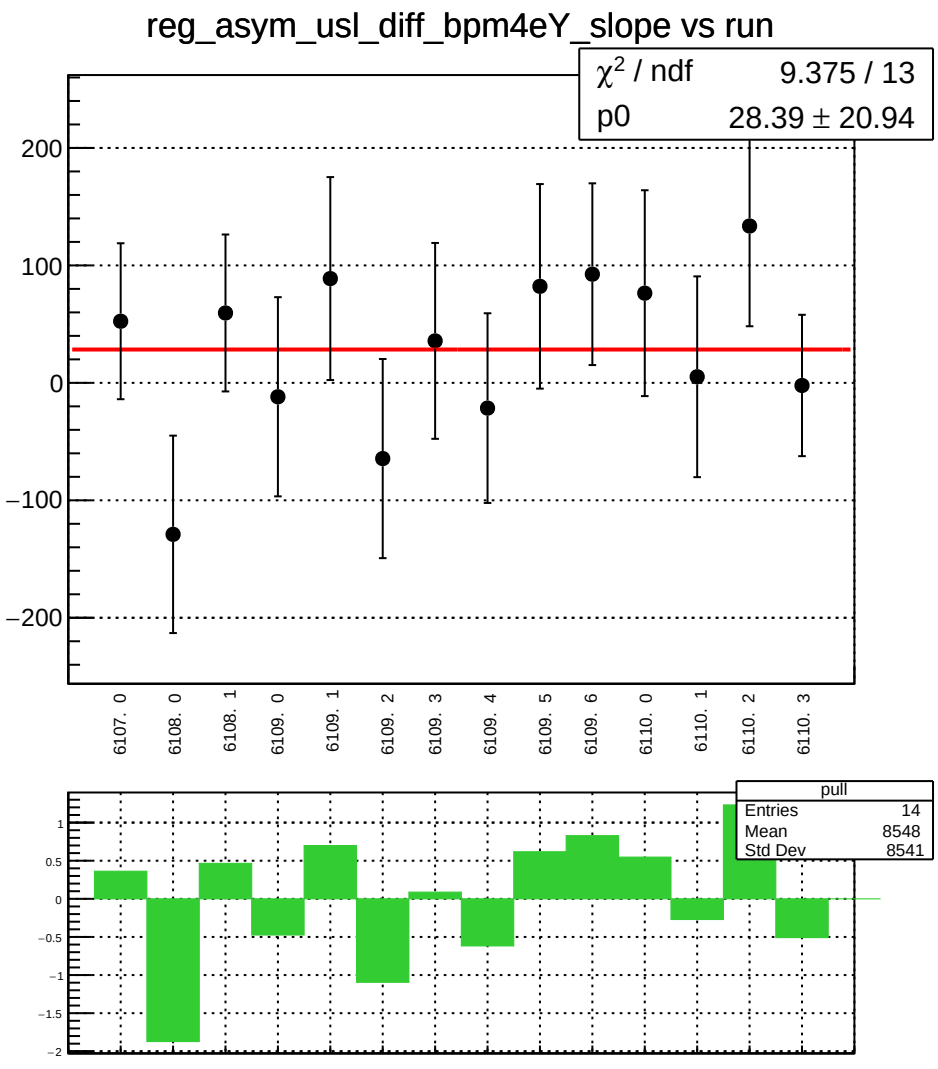

pull1D
Entries 14
Mean −0.08311
Std Dev 0.9423
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

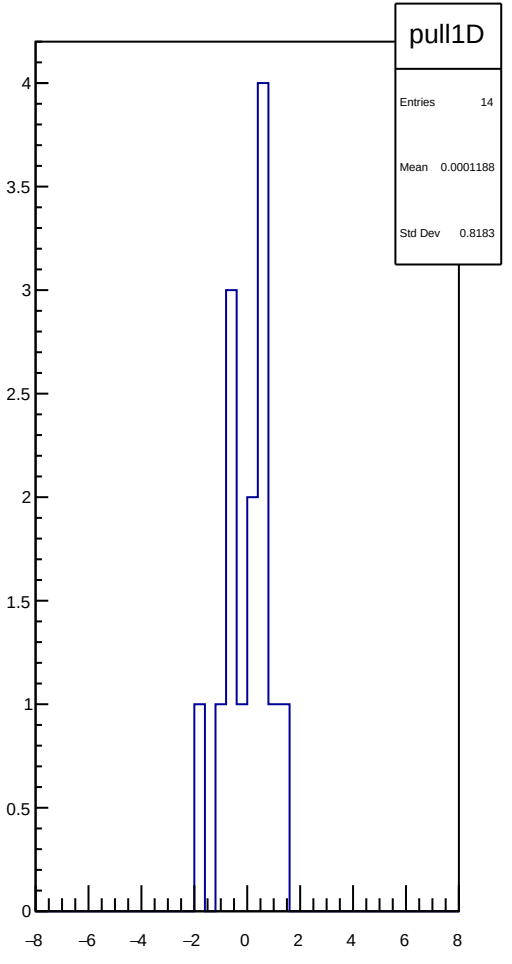

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 10.4 / 13
p0 −29.61 ± 19.8
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 71.55
Std Dev 65.31
2
1.5
1
0.5
0
−0.5
−1

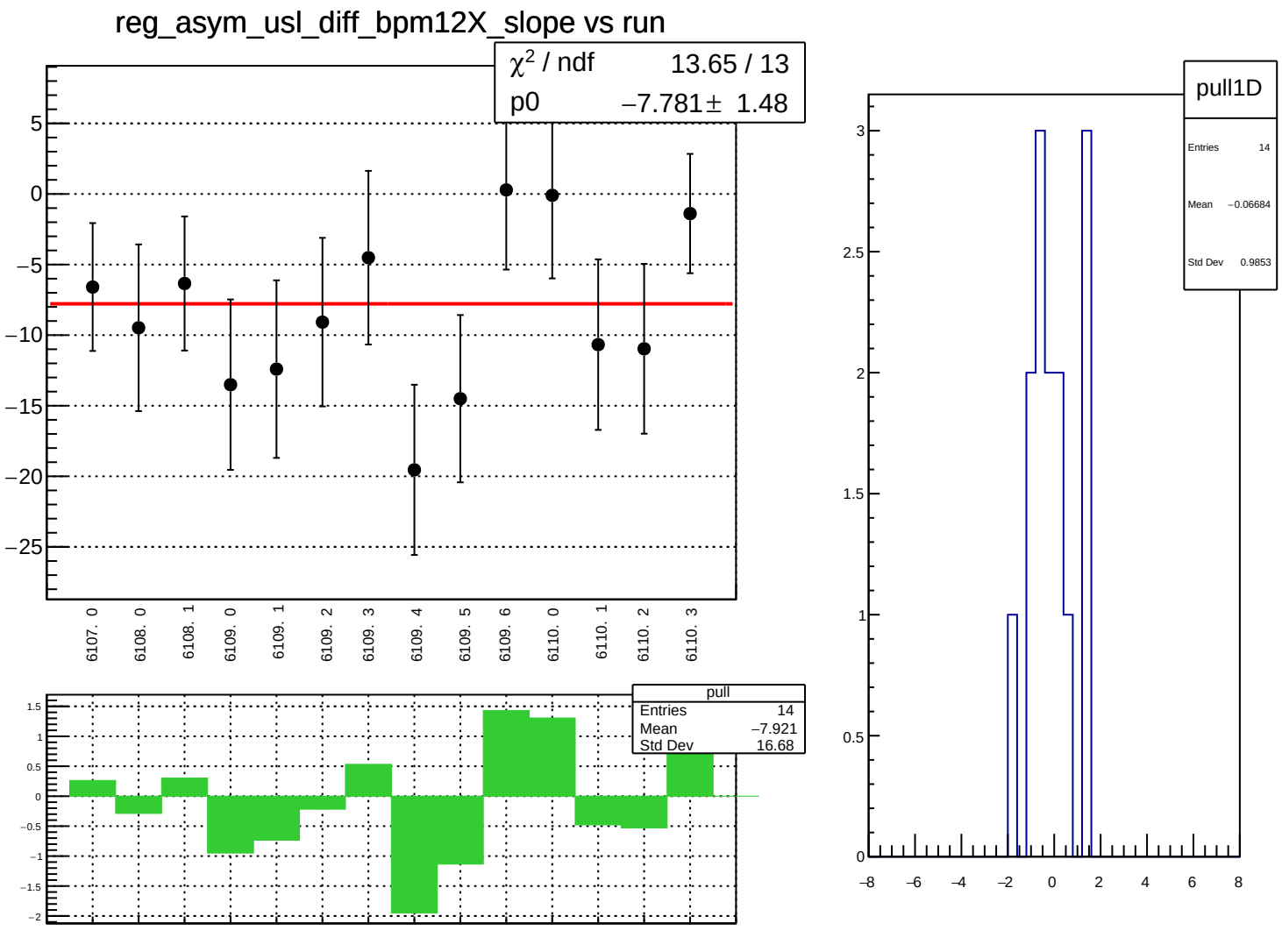

pull1D
Entries 14
Mean −0.01755
Std Dev 0.8616
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

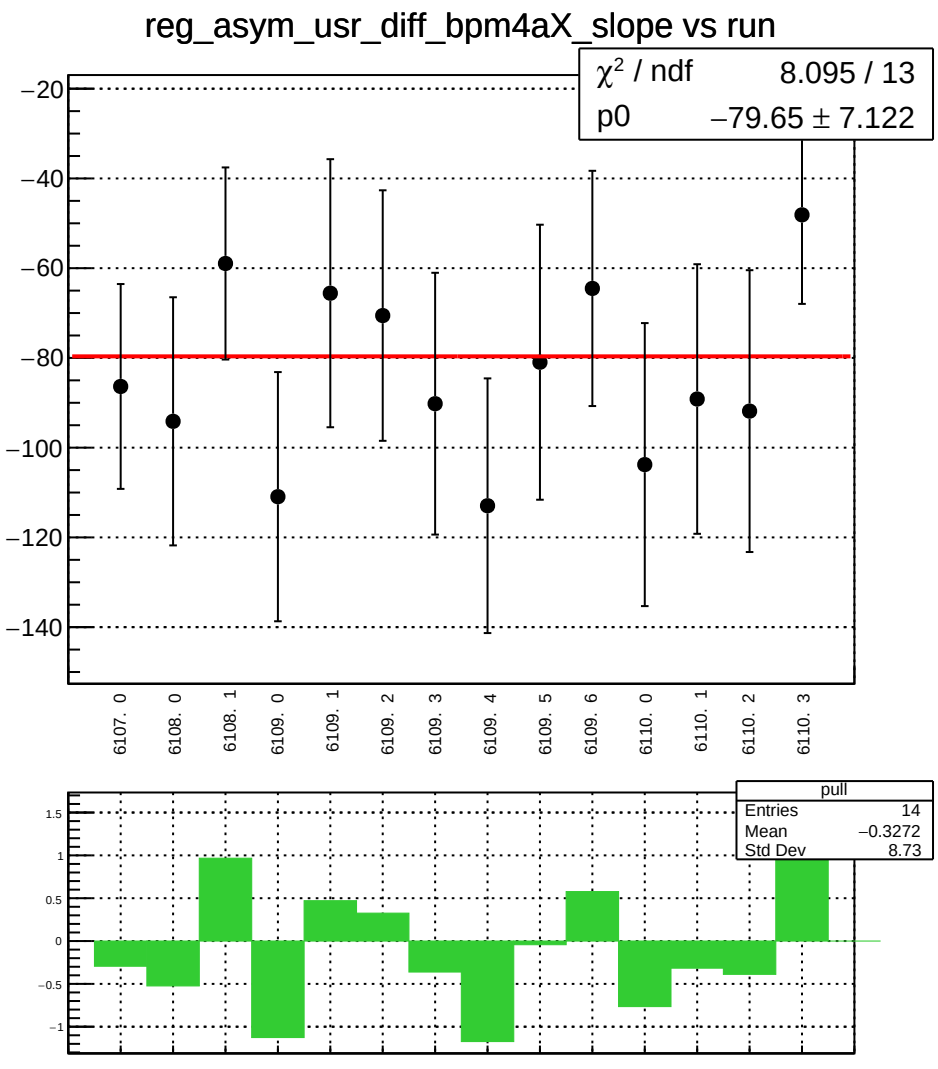

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 12.34 / 13
p0 −58.45 ± 34.45
300
200
100
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −10.94
Std Dev 20.85
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

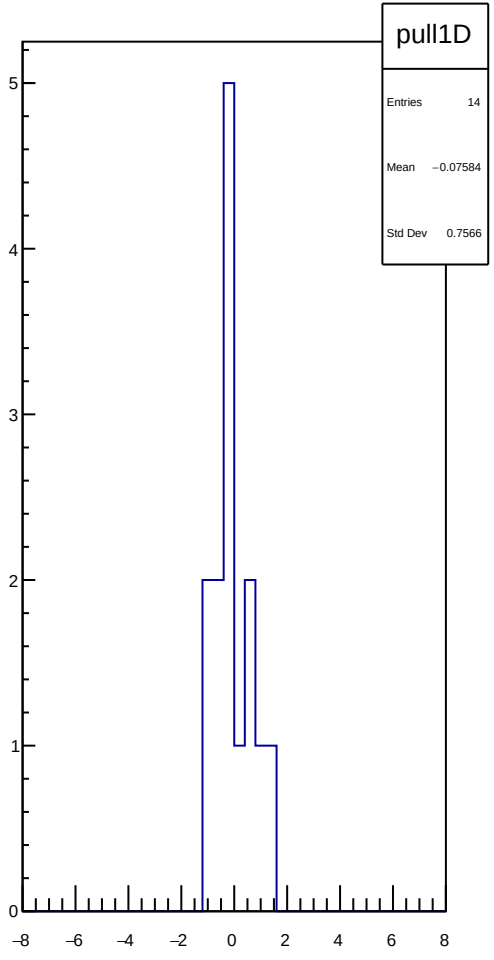

pull1D
Entries 14
Mean 0.08306
Std Dev 0.9351
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

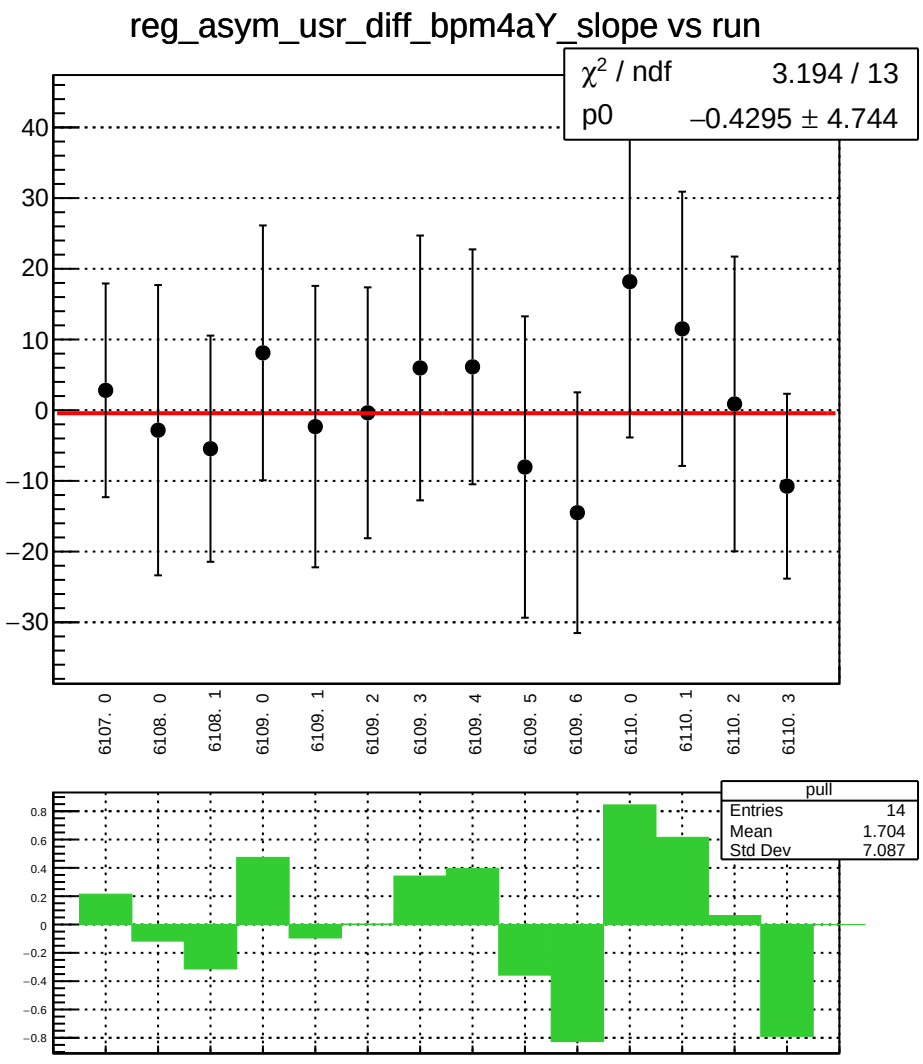

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 9.375 / 13
p0 28.39 ± 20.94
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 8548
Std Dev 8541
1
0.5
0
−0.5
−1
−1.5
−2

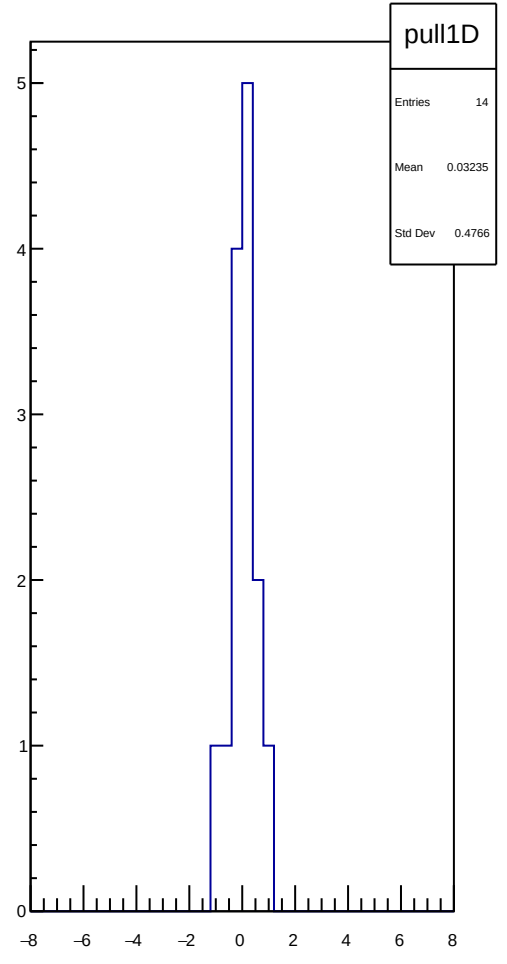

pull1D
Entries 14
Mean 0.0001188
Std Dev 0.8183
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

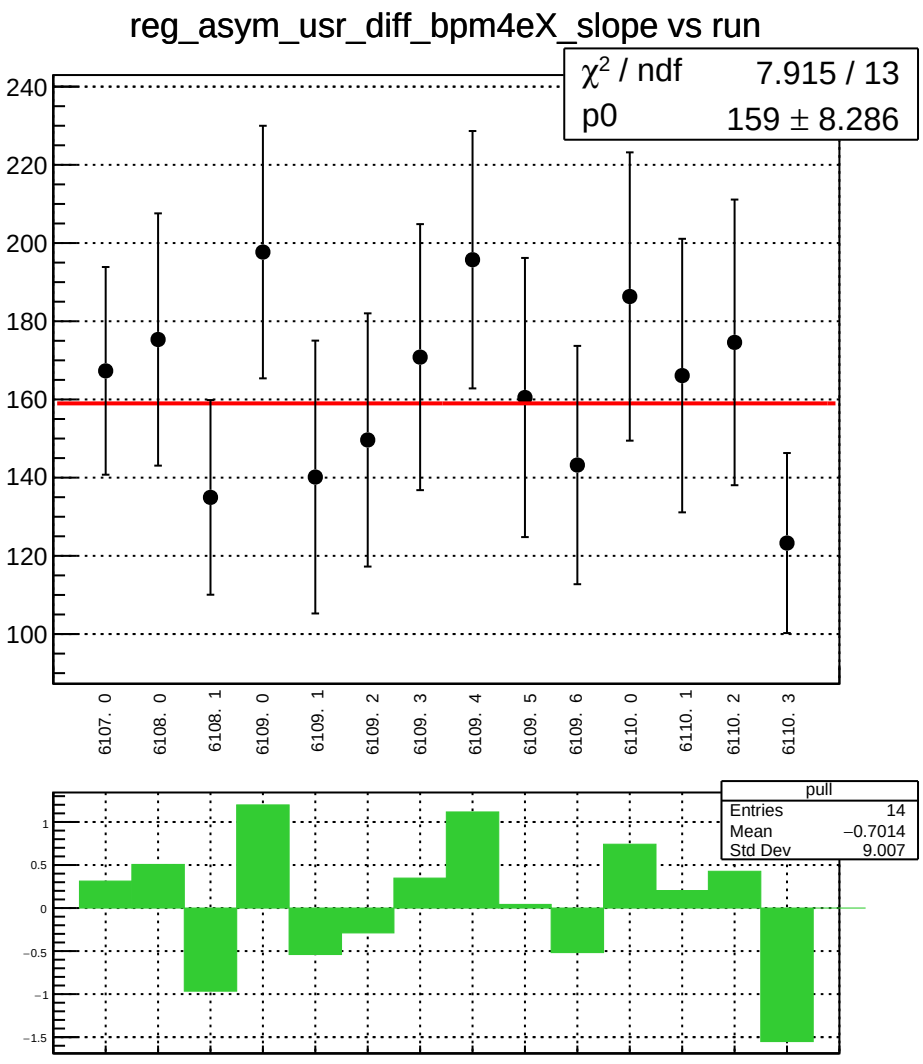

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 13.65 / 13
p0 −7.781 ± 1.48
5
0
−5
−10
−15
−20
−25
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −7.921
Std Dev 16.68
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.06684
Std Dev 0.9853
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

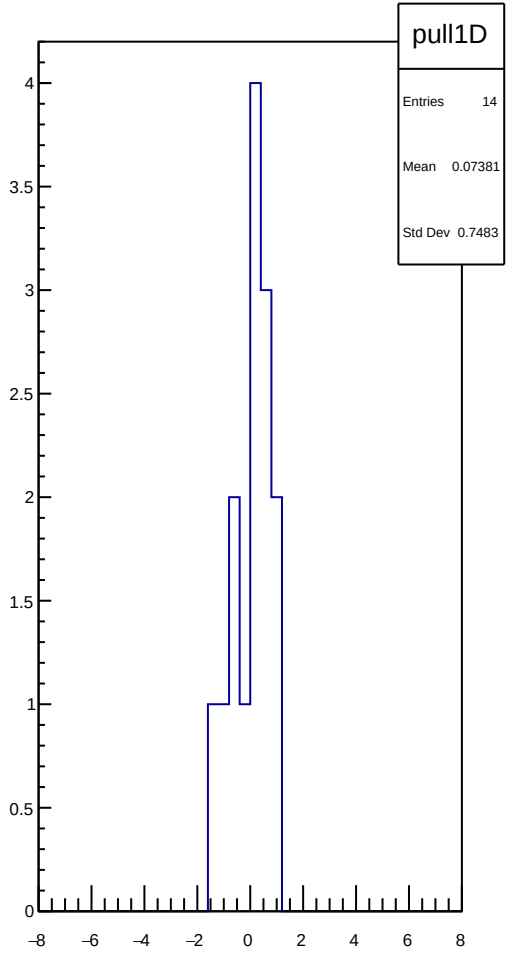

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 8.095 / 13
p0 −79.65 ± 7.122
−20
−40
−60
−80
−100
−120
−140
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.3272
Std Dev 8.73
1.5
1
0.5
0
−0.5
−1

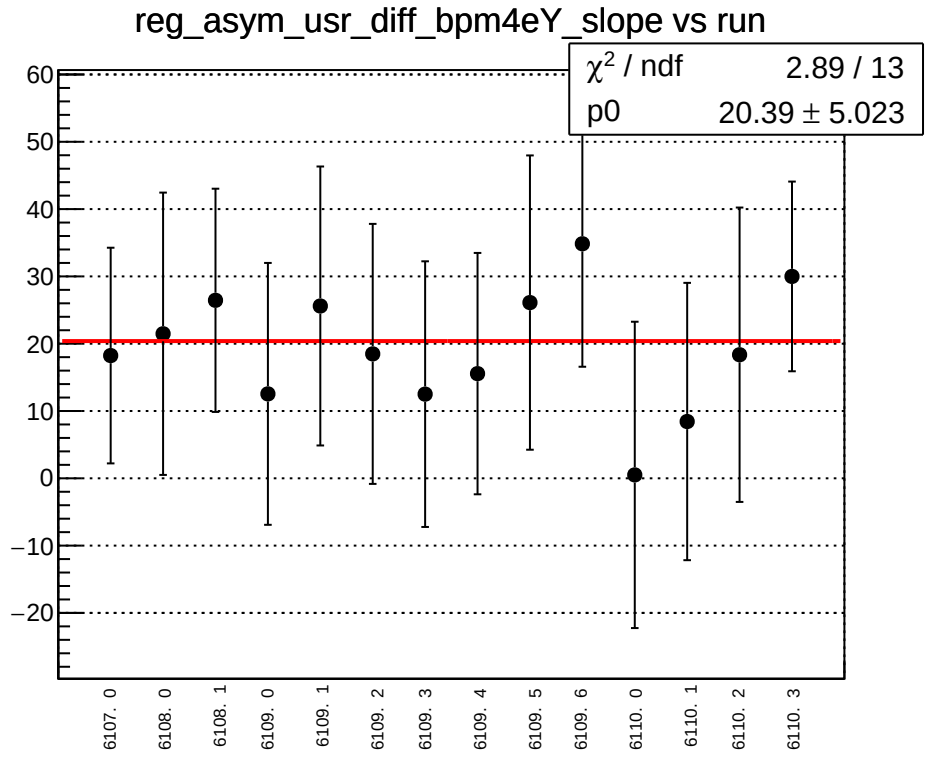

pull1D
Entries 14
Mean −0.07584
Std Dev 0.7566
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

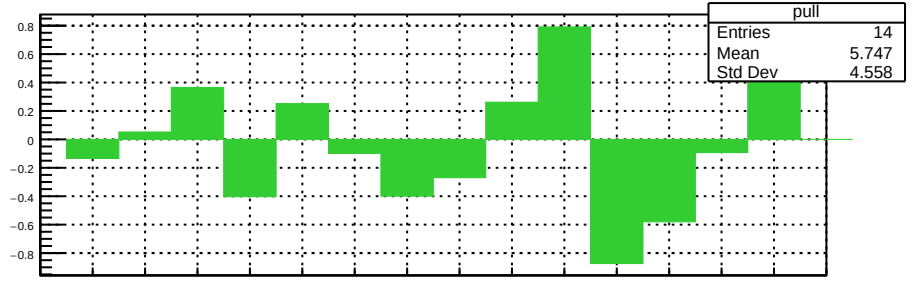

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 3.194 / 13
p0 −0.4295 ± 4.744
40
30
20
10
0
−10
−20
−30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1.704
Std Dev 7.087
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

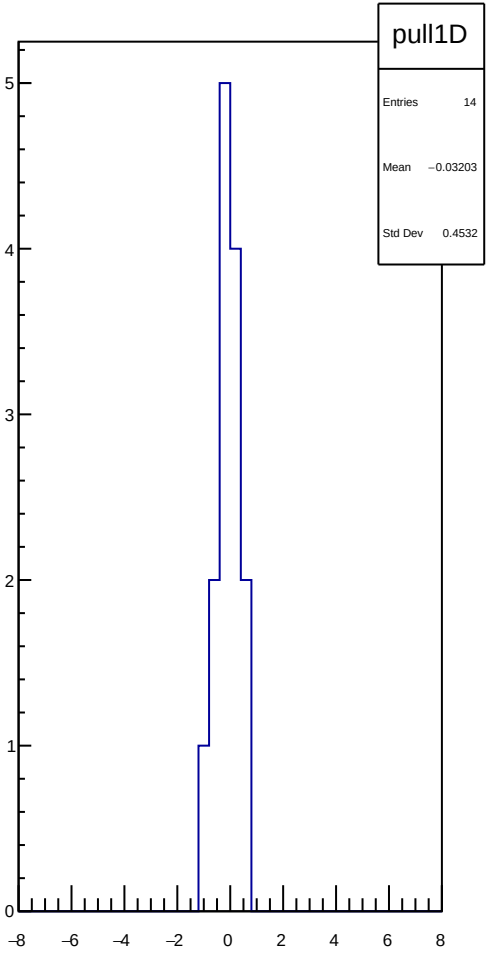

pull1D
Entries 14
Mean 0.03235
Std Dev 0.4766
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

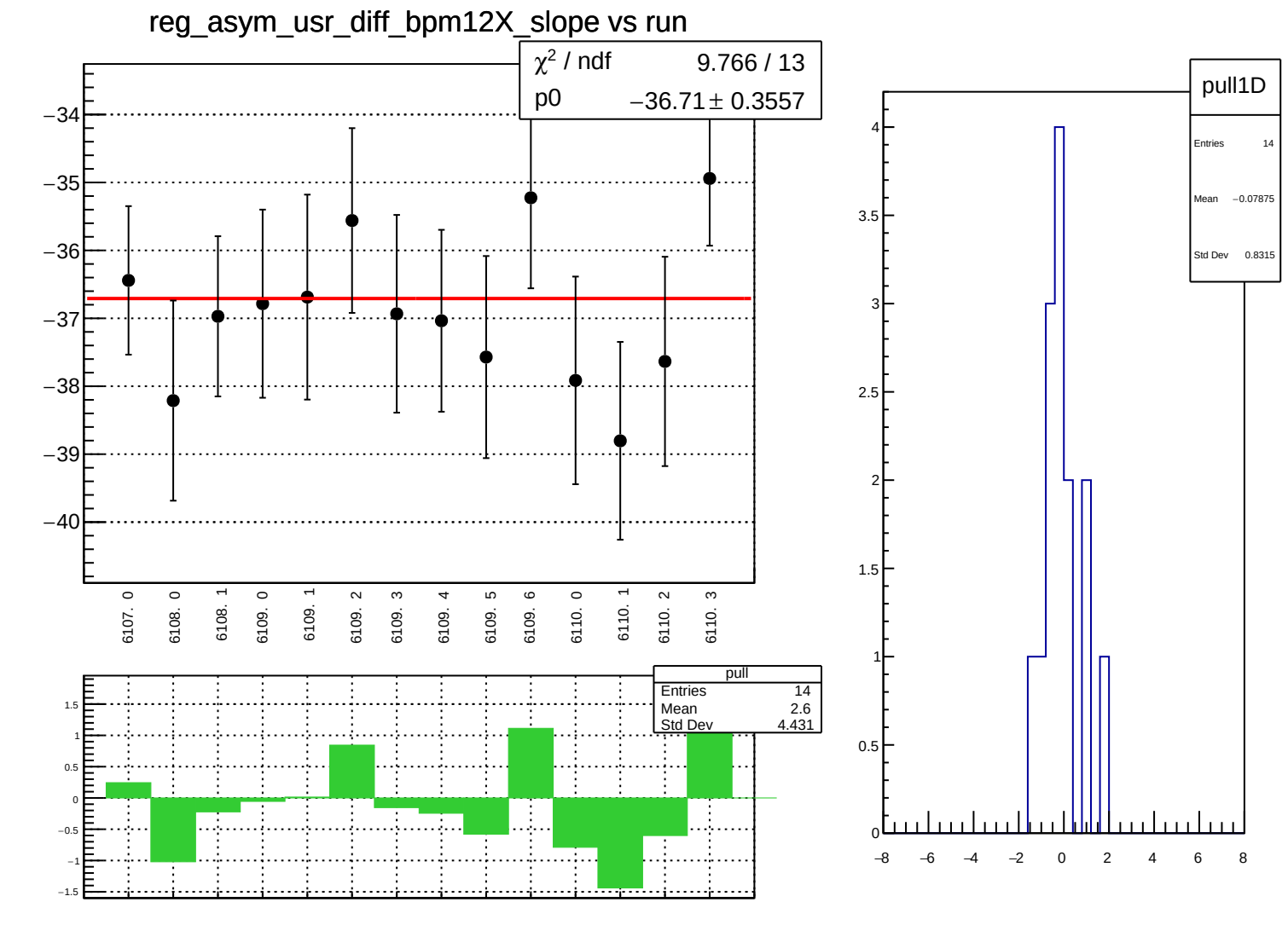

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 7.915 / 13
p0 159 ± 8.286
240
220
200
180
160
140
120
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.7014
Std Dev 9.007
1
0.5
0
−0.5
−1
−1.5

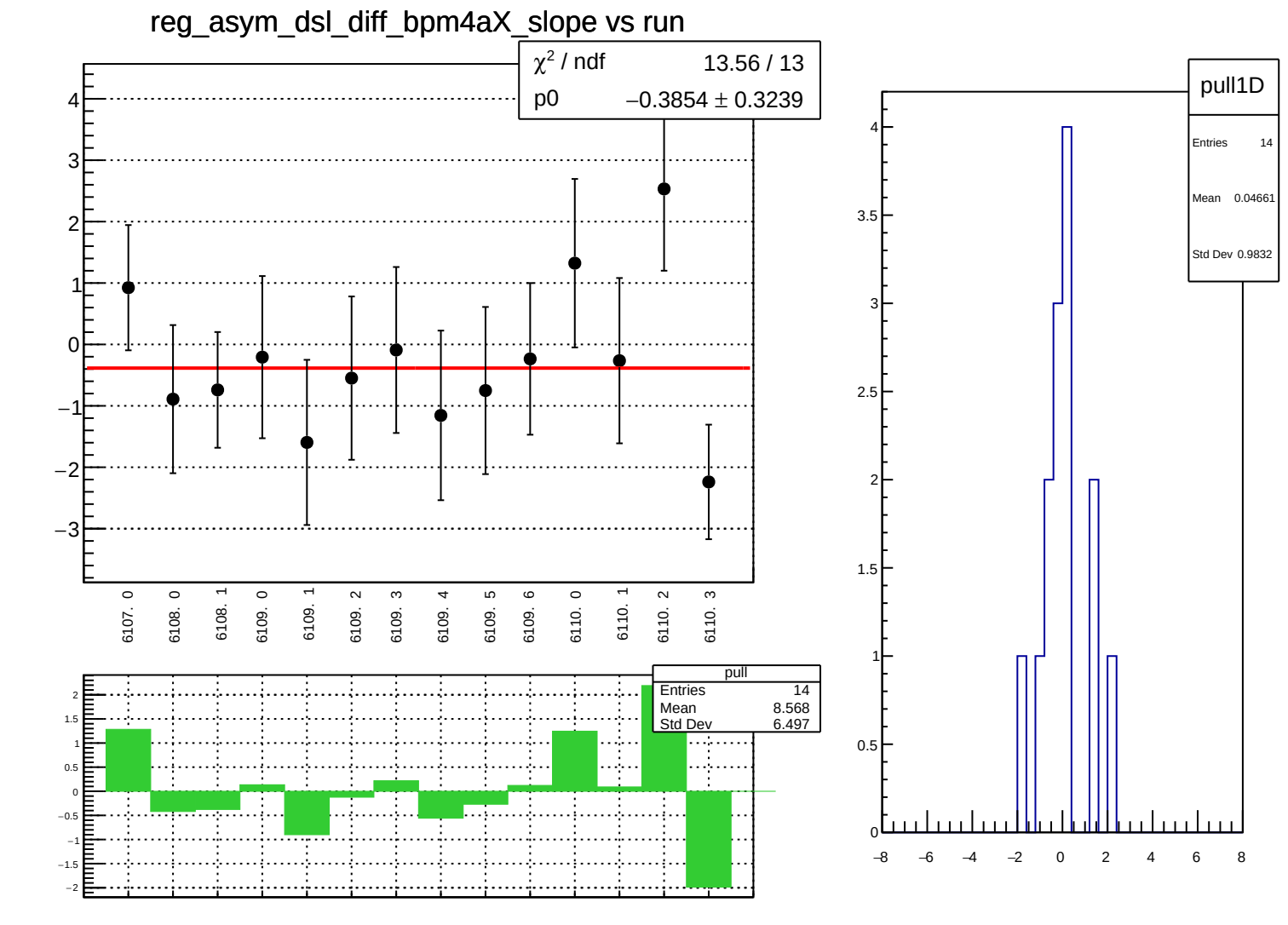

pull1D
Entries 14
Mean 0.07381
Std Dev 0.7483
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

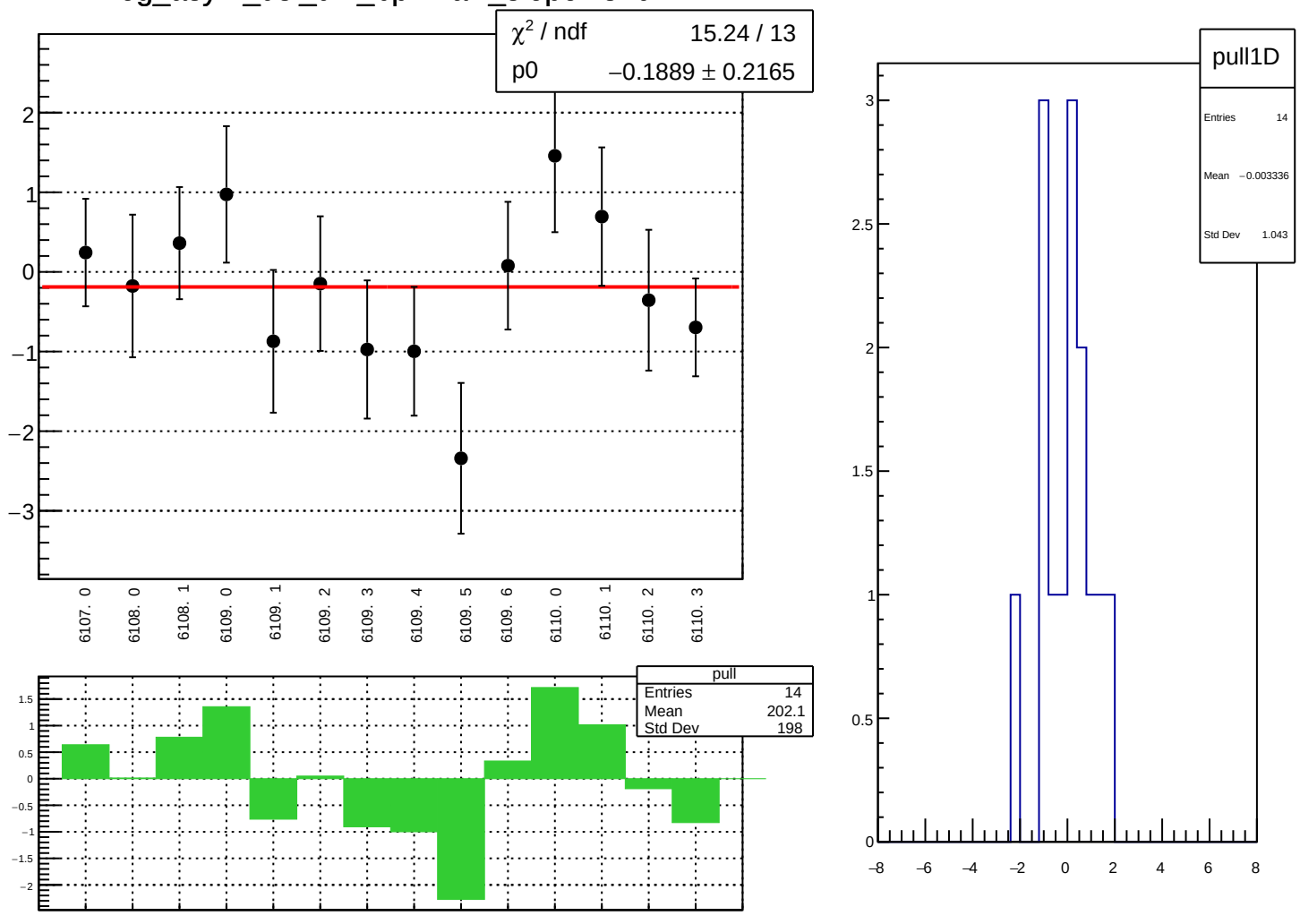

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 2.89 / 13
p0 20.39 ± 5.023
60
50
40
30
20
10
0
−10
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

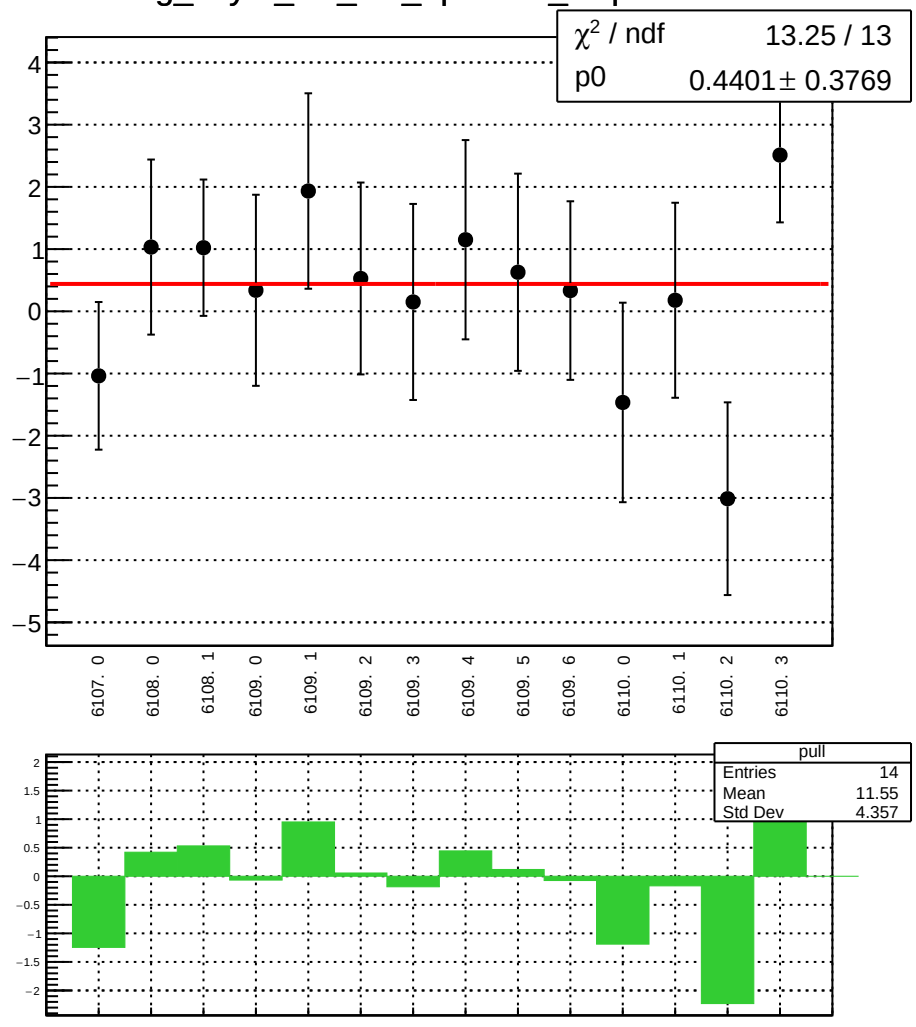

pull
Entries 14
Mean 5.747
Std Dev 4.558
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

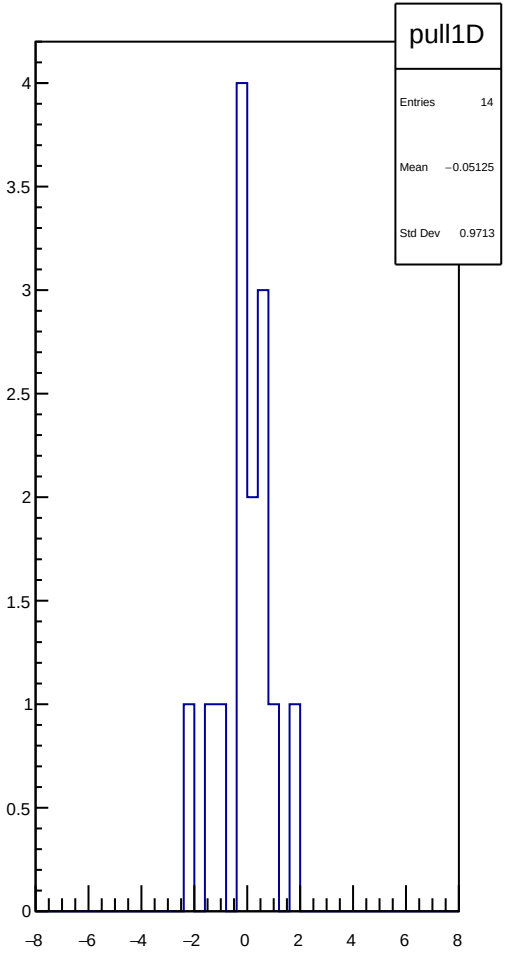

pull1D
Entries 14
Mean −0.03203
Std Dev 0.4532
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

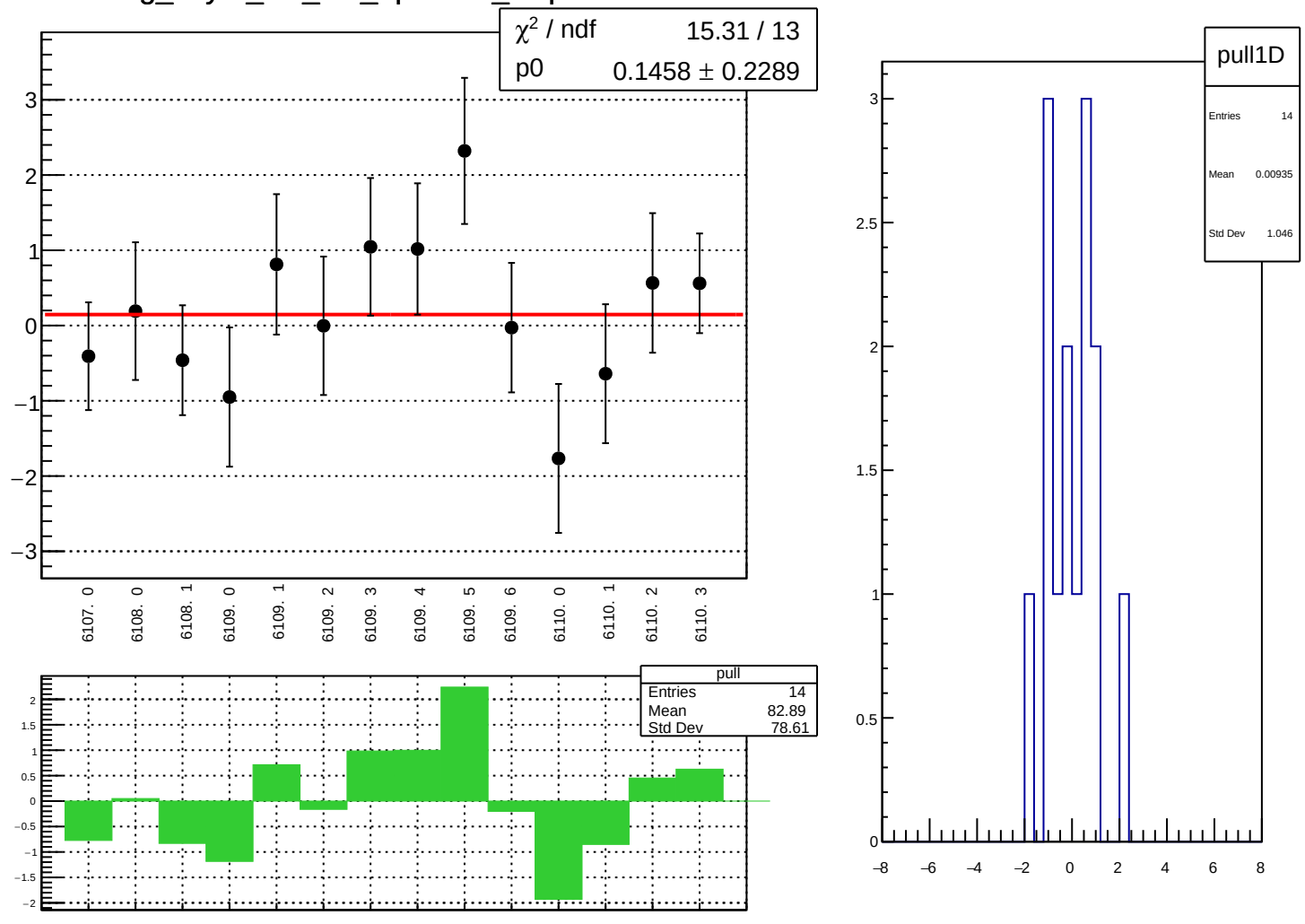

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 9.766 / 13
p0 −36.71 ± 0.3557
−34
−35
−36
−37
−38
−39
−40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 2.6
Std Dev 4.431
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.07875
Std Dev 0.8315
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

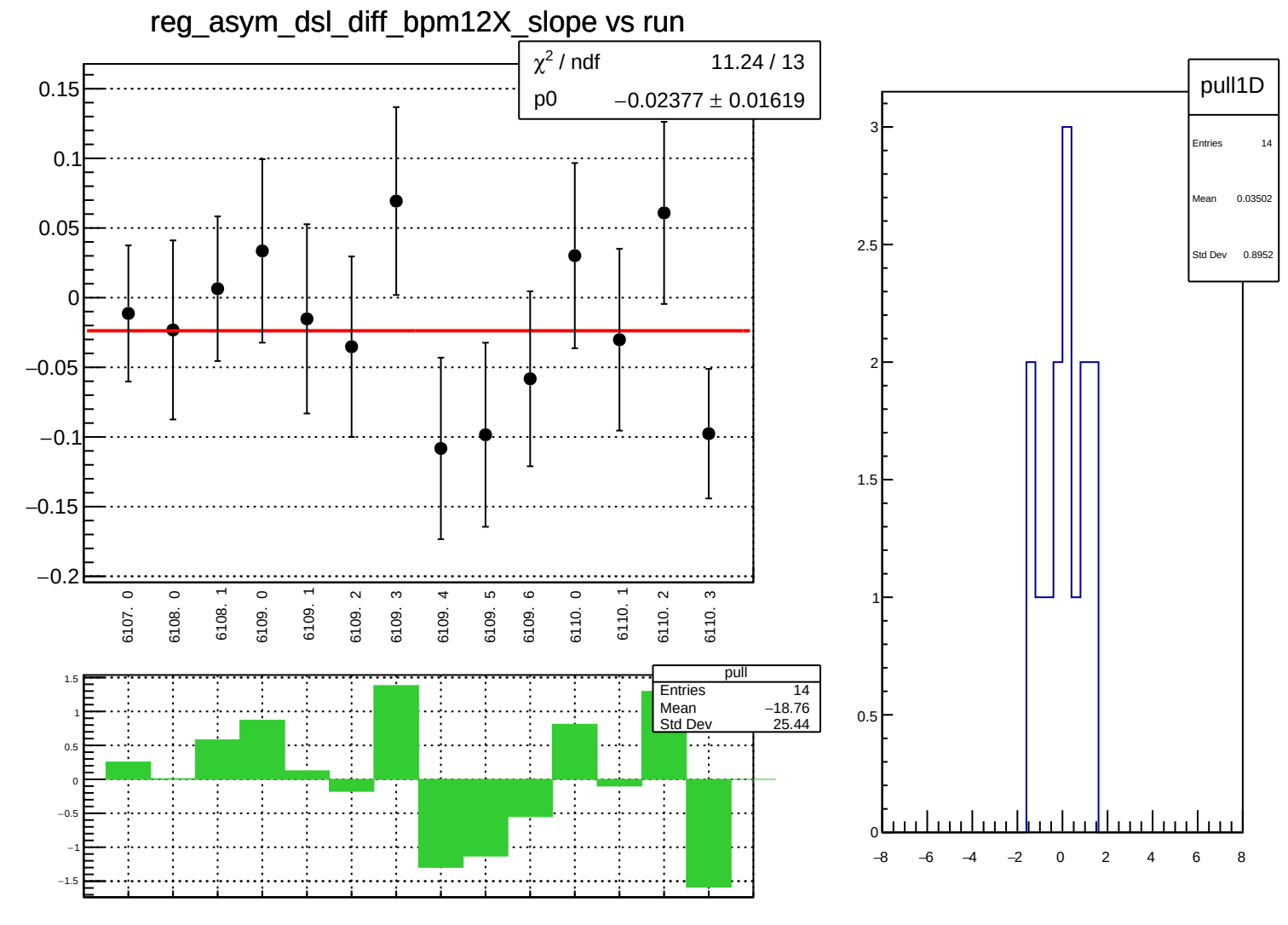

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 13.56 / 13
p0 −0.3854 ± 0.3239
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 8.568
Std Dev 6.497
pull1D
Entries 14
Mean 0.04661
Std Dev 0.9832

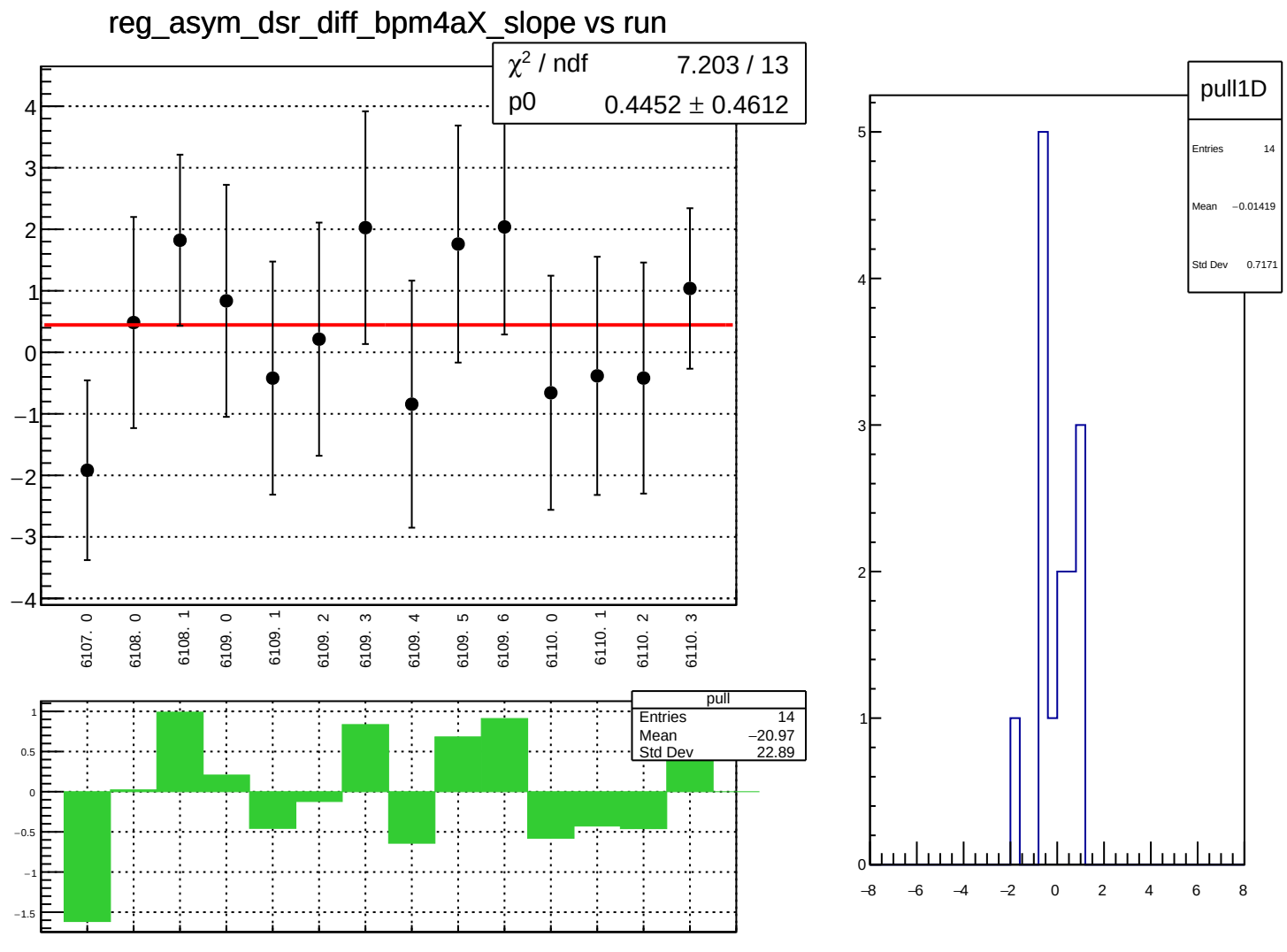

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 15.24 / 13
p0 −0.1889 ± 0.2165
2
1
0
−1
−2
−3
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 202.1
Std Dev 198
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.003336
Std Dev 1.043
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

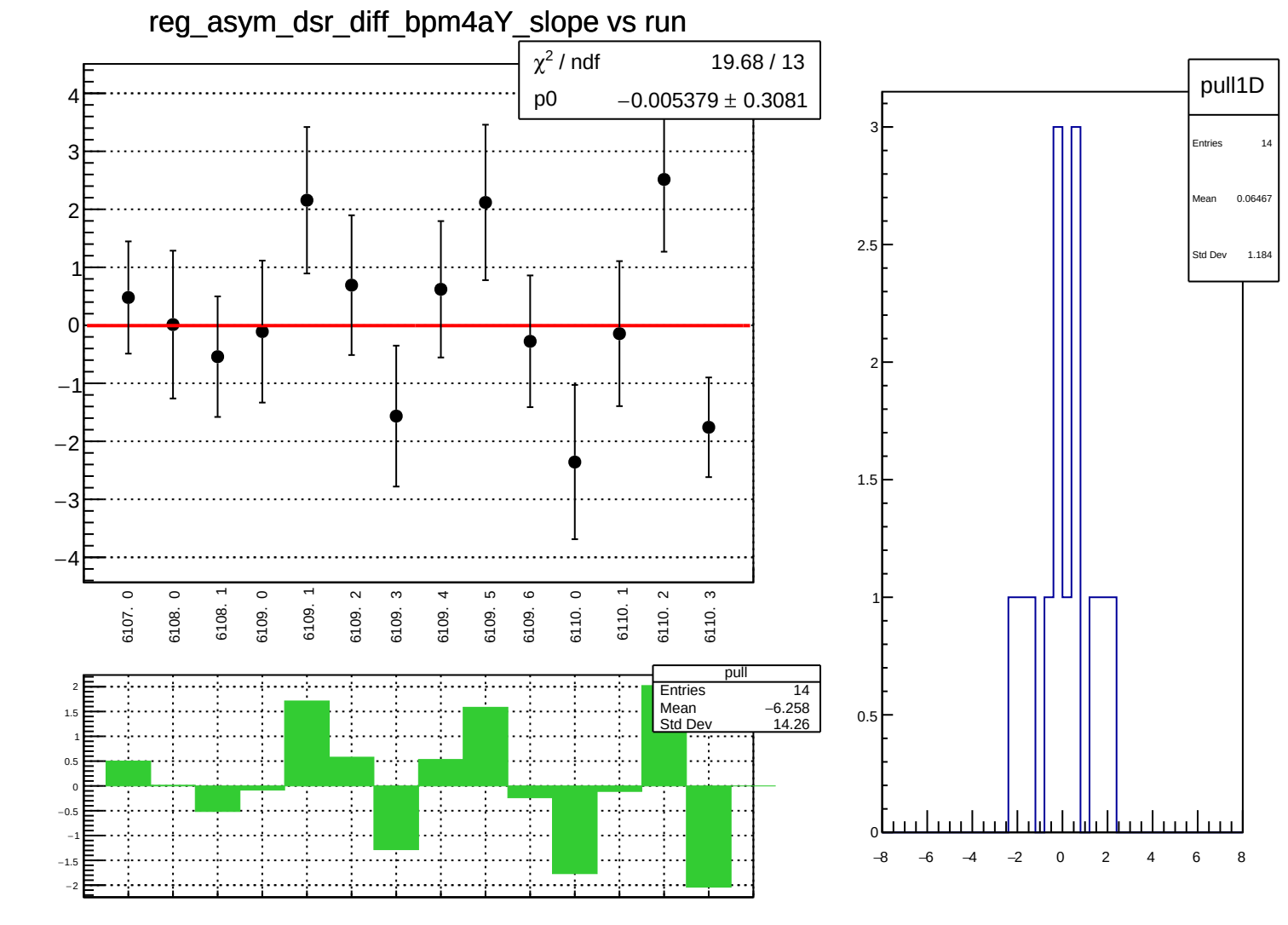

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 13.25 / 13
p0 0.4401 ± 0.3769
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 11.55
Std Dev 4.357

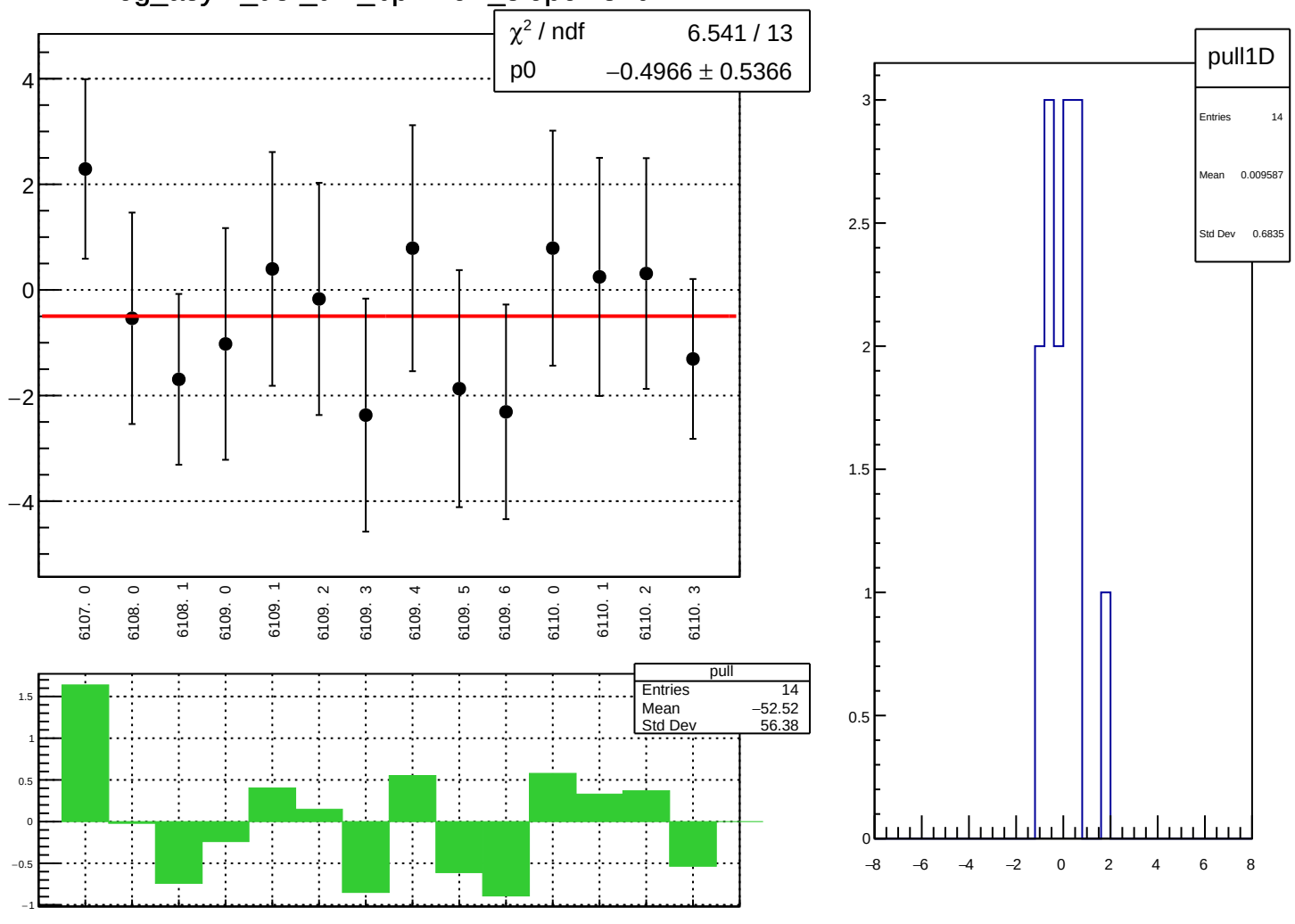

pull1D
Entries 14
Mean −0.05125
Std Dev 0.9713

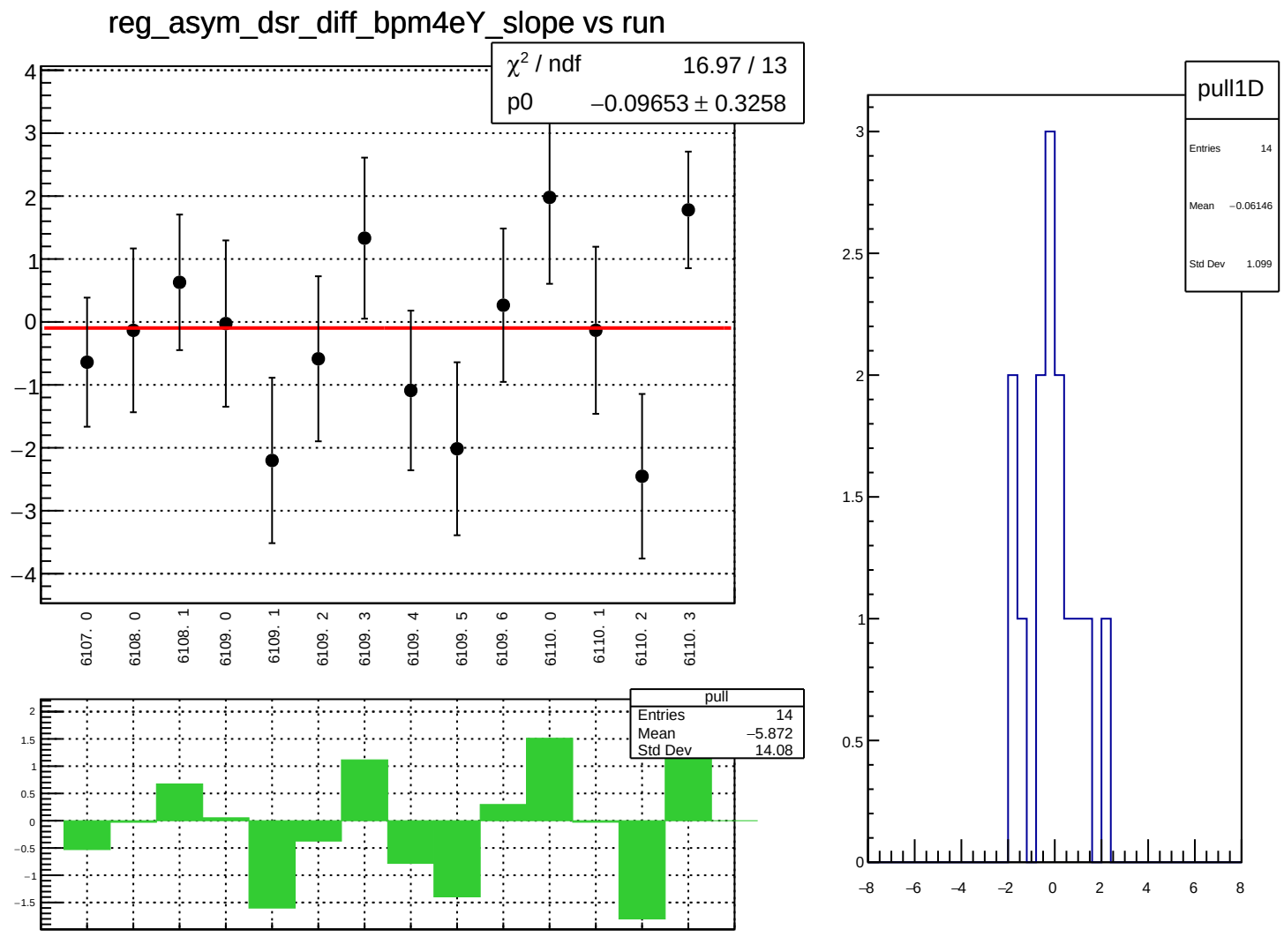

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 15.31 / 13
p0 0.1458 ± 0.2289
3
2
1
0
−1
−2
−3
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 82.89
Std Dev 78.61
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.00935
Std Dev 1.046
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

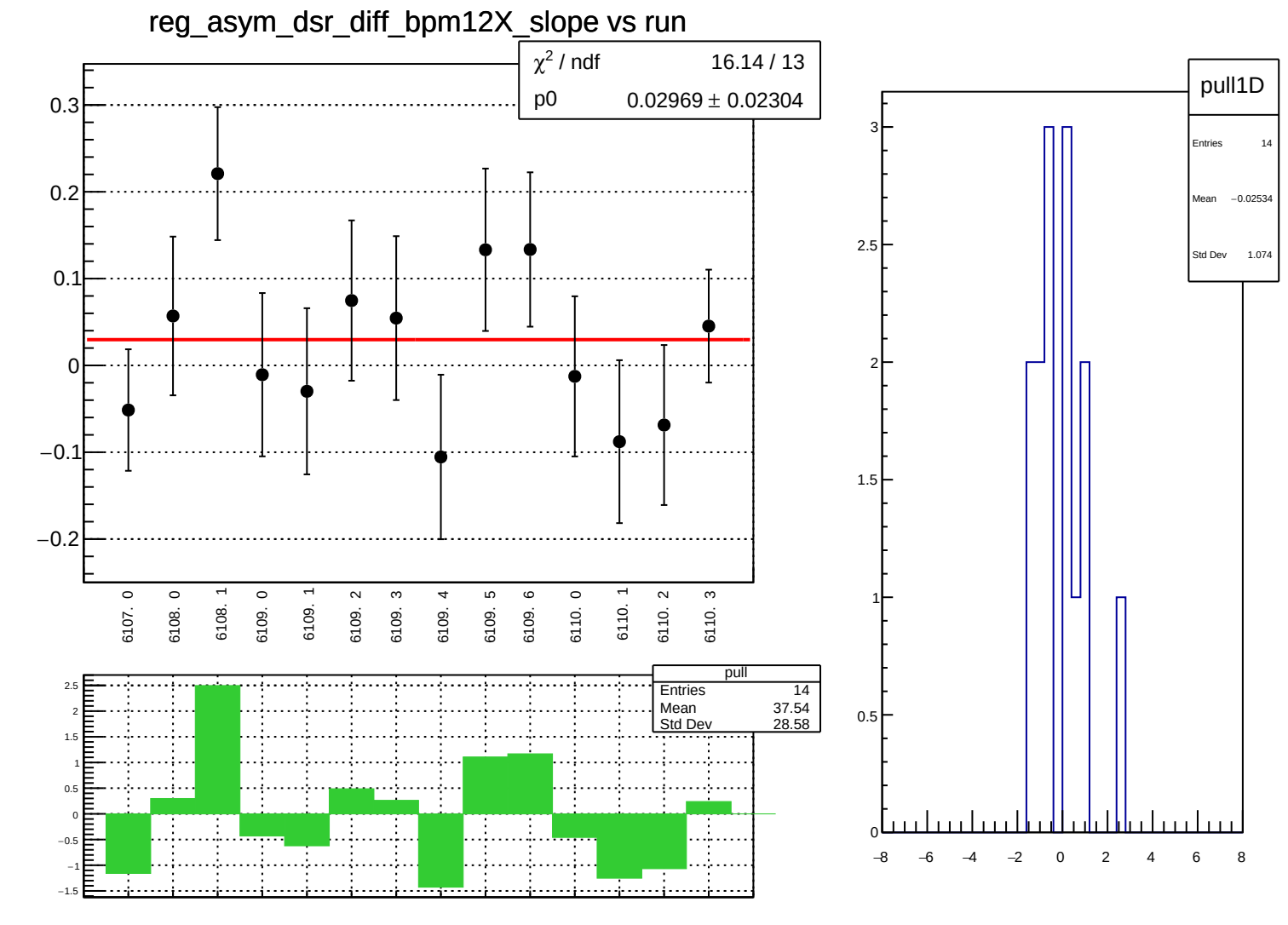

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 11.24 / 13
p0 −0.02377 ± 0.01619
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −18.76
Std Dev 25.44
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.03502
Std Dev 0.8952
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

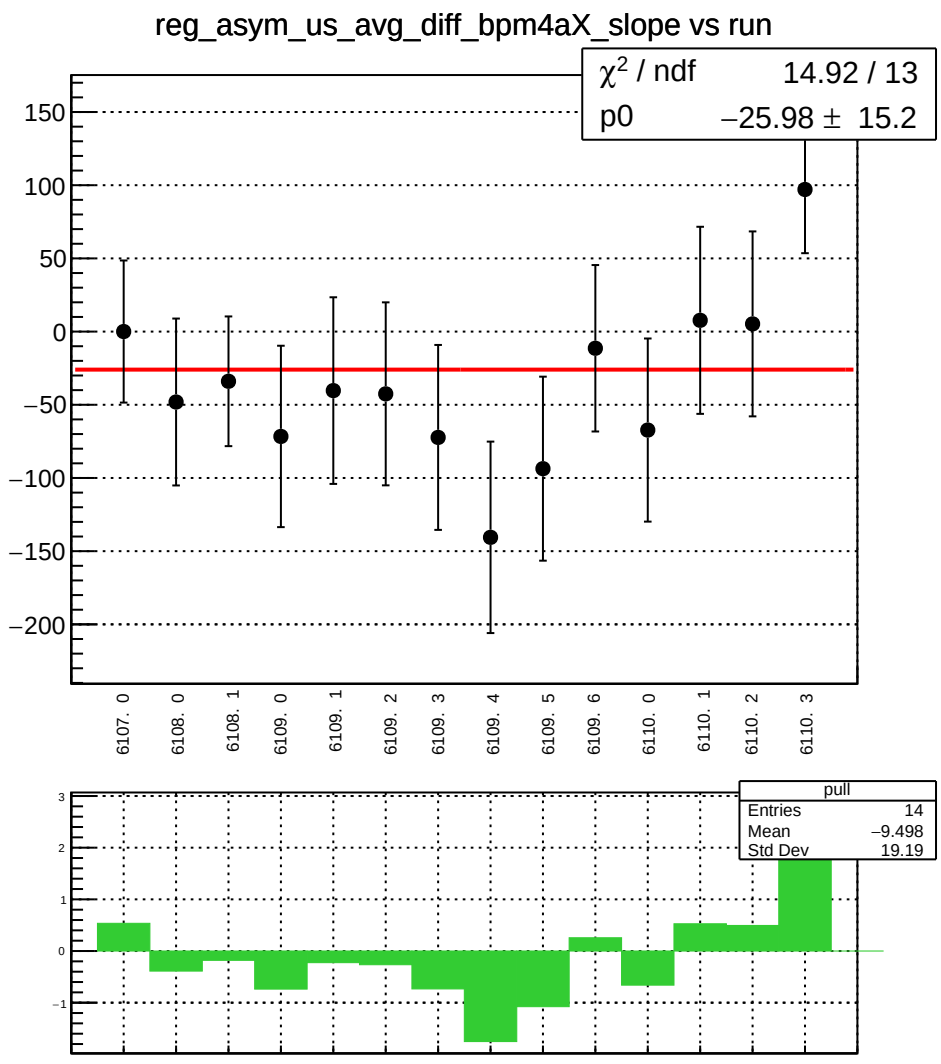

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 7.203 / 13
p0 0.4452 ± 0.4612
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −20.97
Std Dev 22.89
pull1D
Entries 14
Mean −0.01419
Std Dev 0.7171

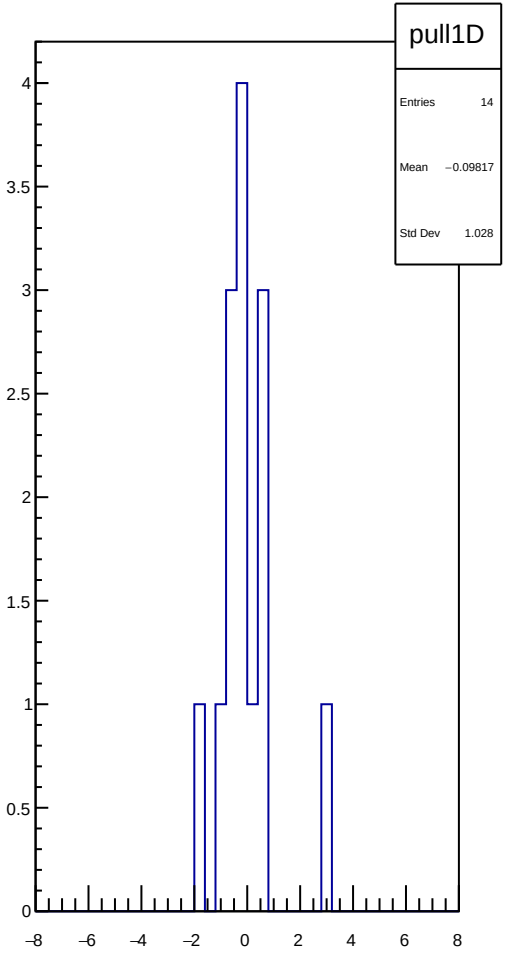

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 19.68 / 13
p0 −0.005379 ± 0.3081
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −6.258
Std Dev 14.26
pull1D
Entries 14
Mean 0.06467
Std Dev 1.184

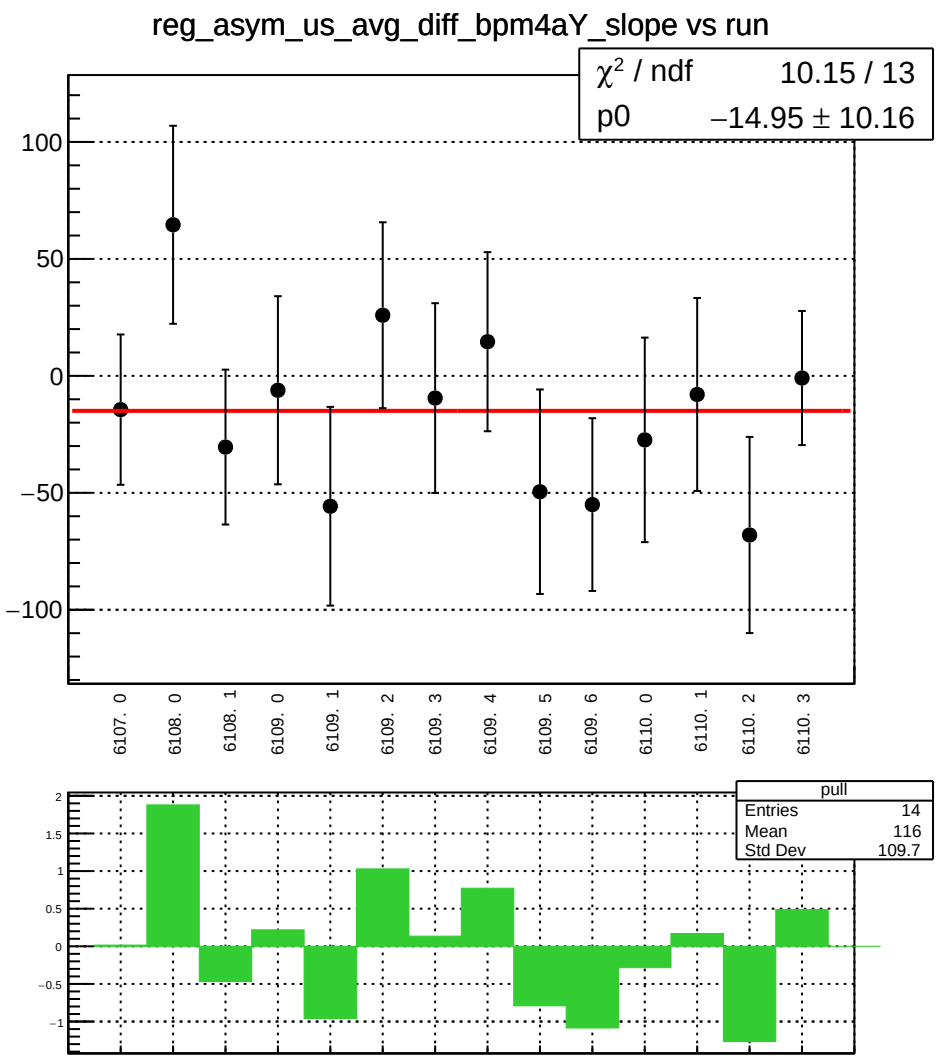

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 6.541 / 13
p0 −0.4966 ± 0.5366
4
2
0
−2
−4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −52.52
Std Dev 56.38
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean 0.009587
Std Dev 0.6835
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

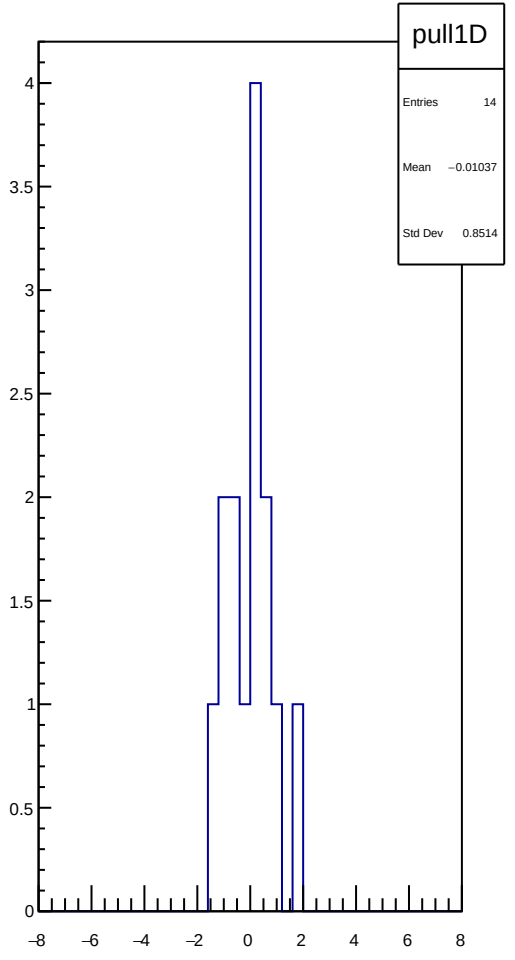

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 16.97 / 13
p0 −0.09653 ± 0.3258
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −5.872
Std Dev 14.08
pull1D
Entries 14
Mean −0.06146
Std Dev 1.099

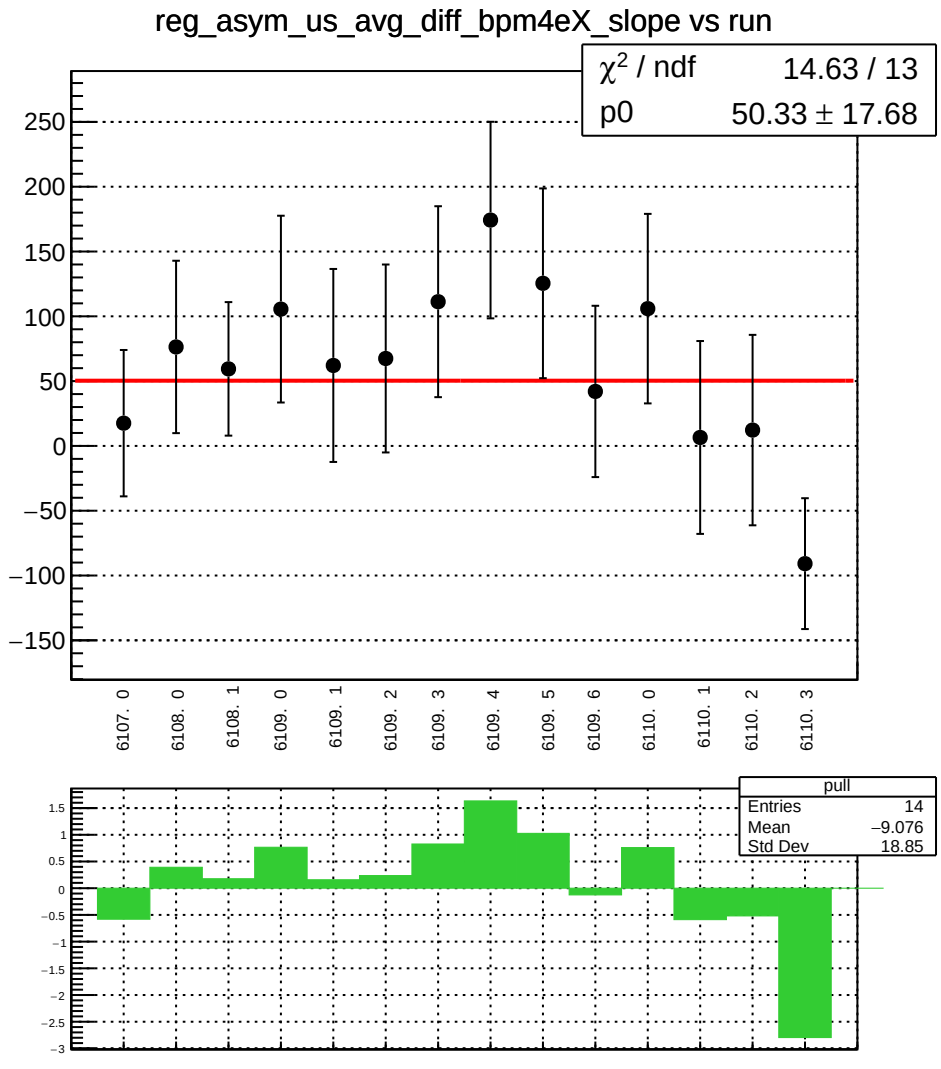

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 16.14 / 13
p0 0.02969 ± 0.02304
0.3
0.2
0.1
0
−0.1
−0.2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 37.54
Std Dev 28.58
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.02534
Std Dev 1.074
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

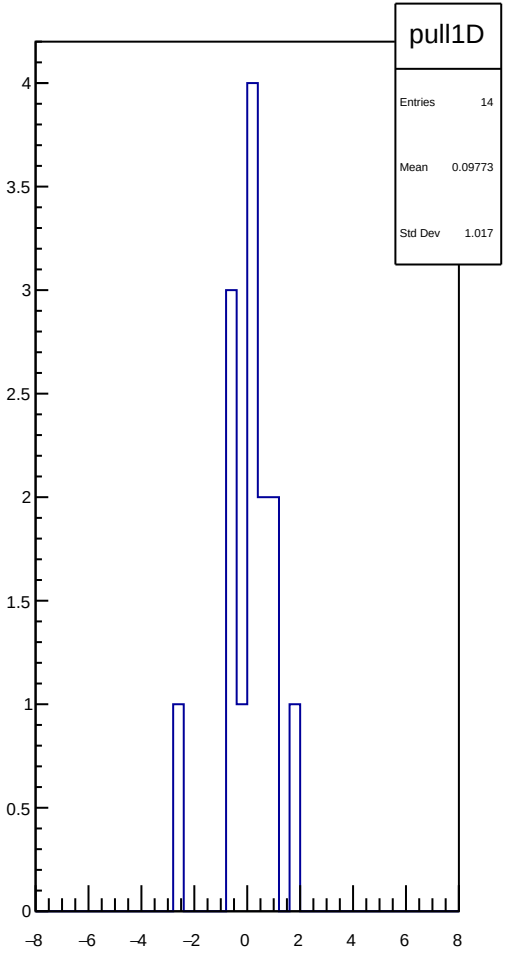

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.92 / 13
p0 −25.98 ± 15.2
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −9.498
Std Dev 19.19
3
2
1
0
−1

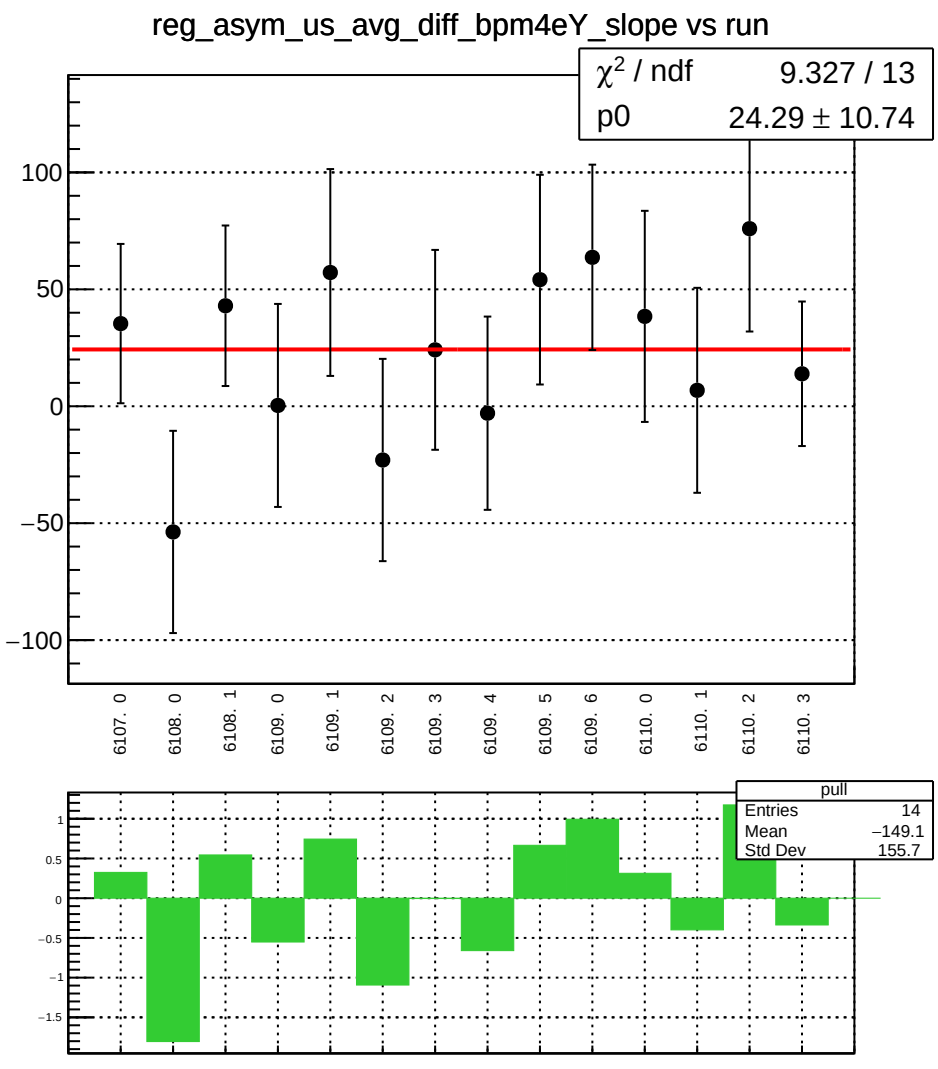

pull1D
Entries 14
Mean −0.09817
Std Dev 1.028
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

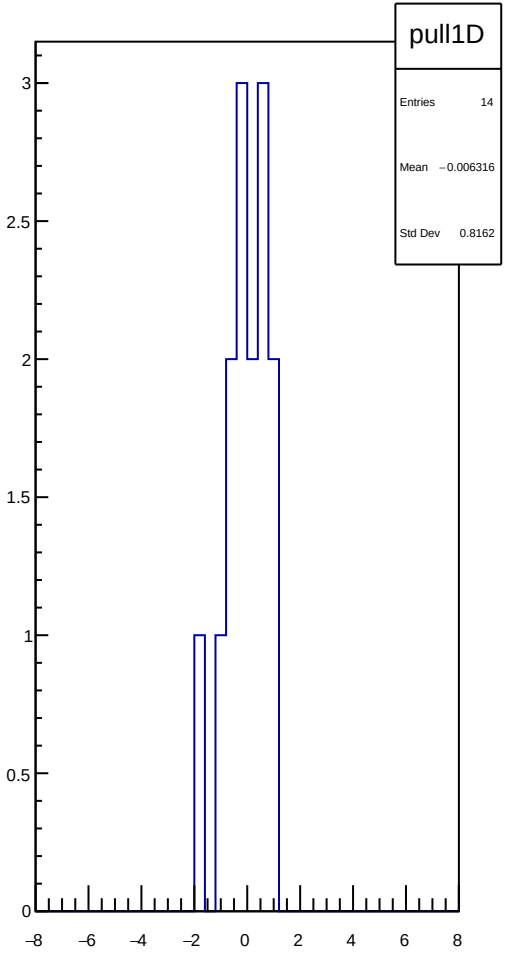

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.15 / 13
p0 −14.95 ± 10.16
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 116
Std Dev 109.7
2
1.5
1
0.5
0
−0.5
−1

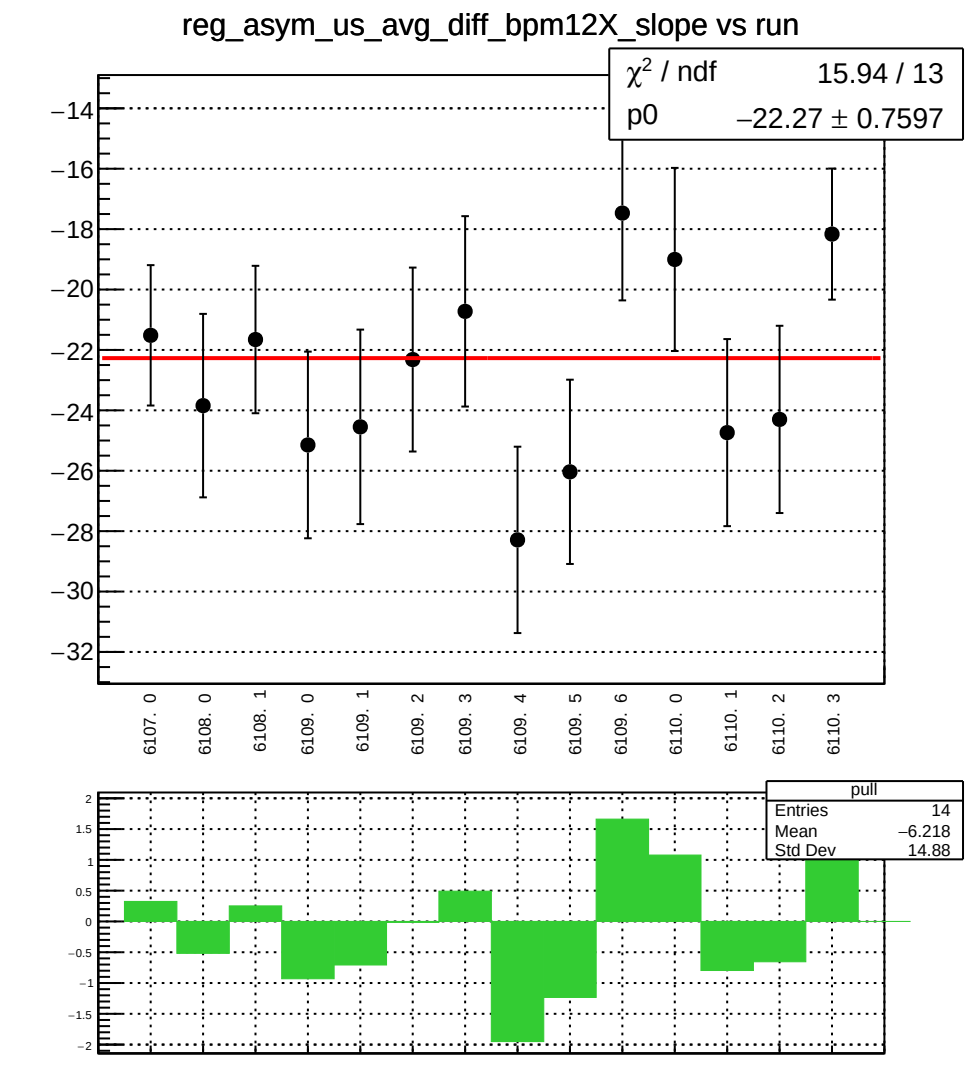

pull1D
Entries 14
Mean −0.01037
Std Dev 0.8514
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

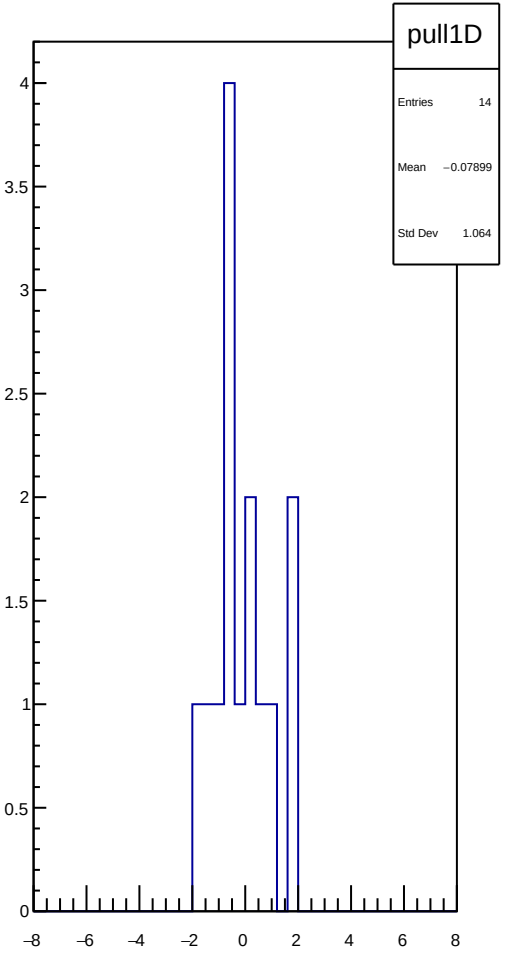

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.63 / 13
p0 50.33 ± 17.68
250
200
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −9.076
Std Dev 18.85
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

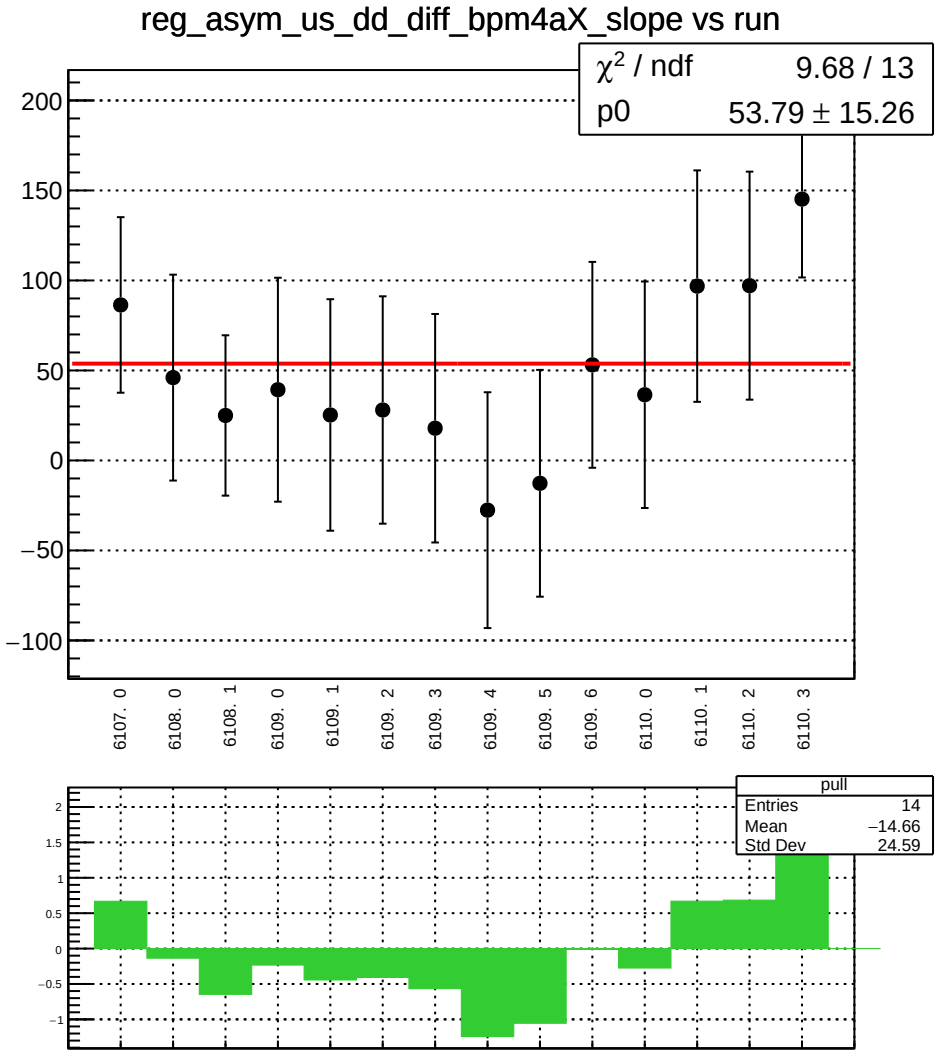

pull1D
Entries 14
Mean 0.09773
Std Dev 1.017
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

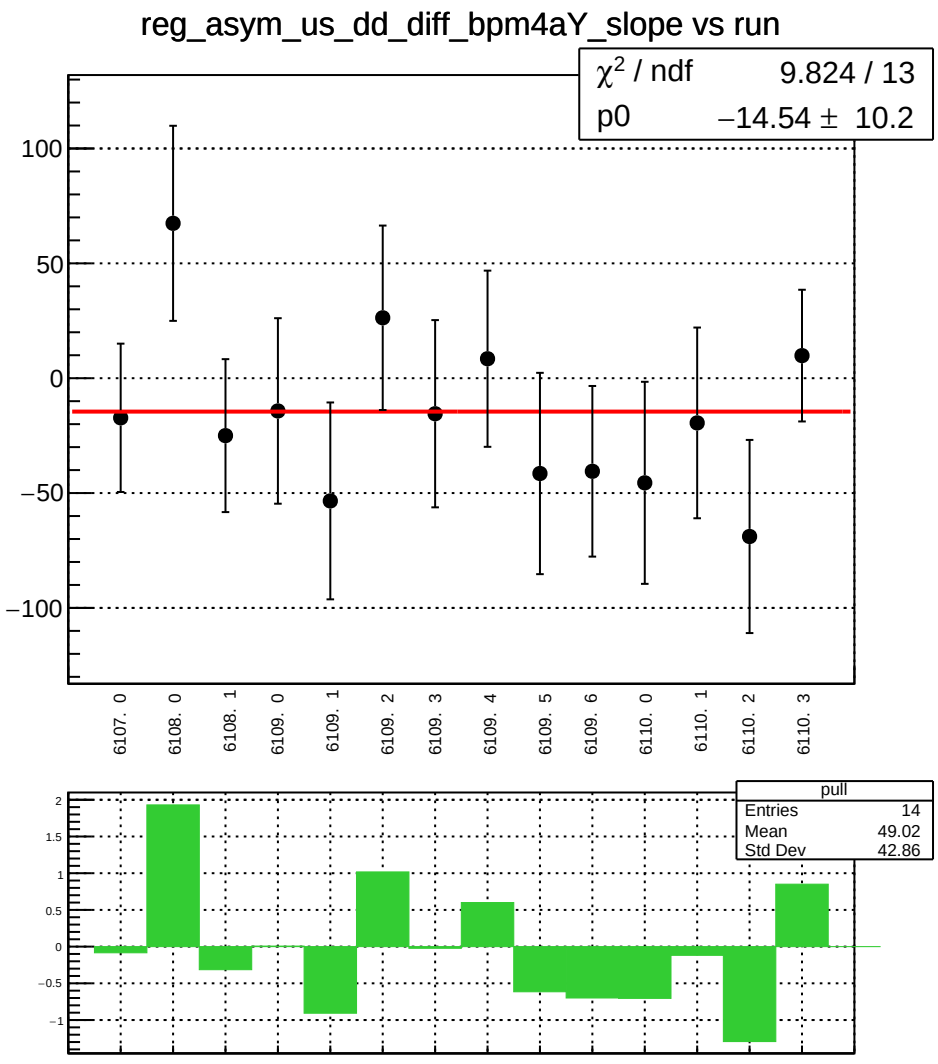

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.327 / 13
p0 24.29 ± 10.74
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −149.1
Std Dev 155.7
1
0.5
0
−0.5
−1
−1.5

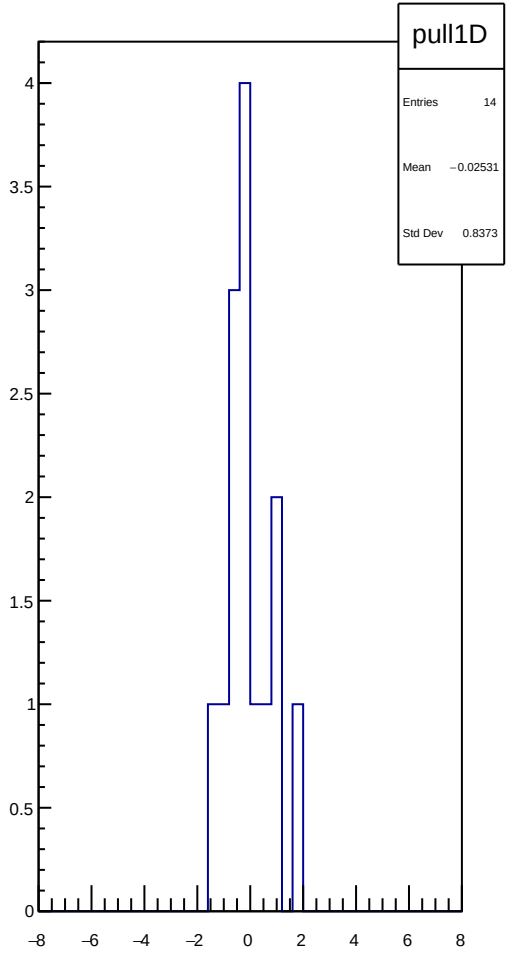

pull1D
Entries 14
Mean −0.006316
Std Dev 0.8162
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

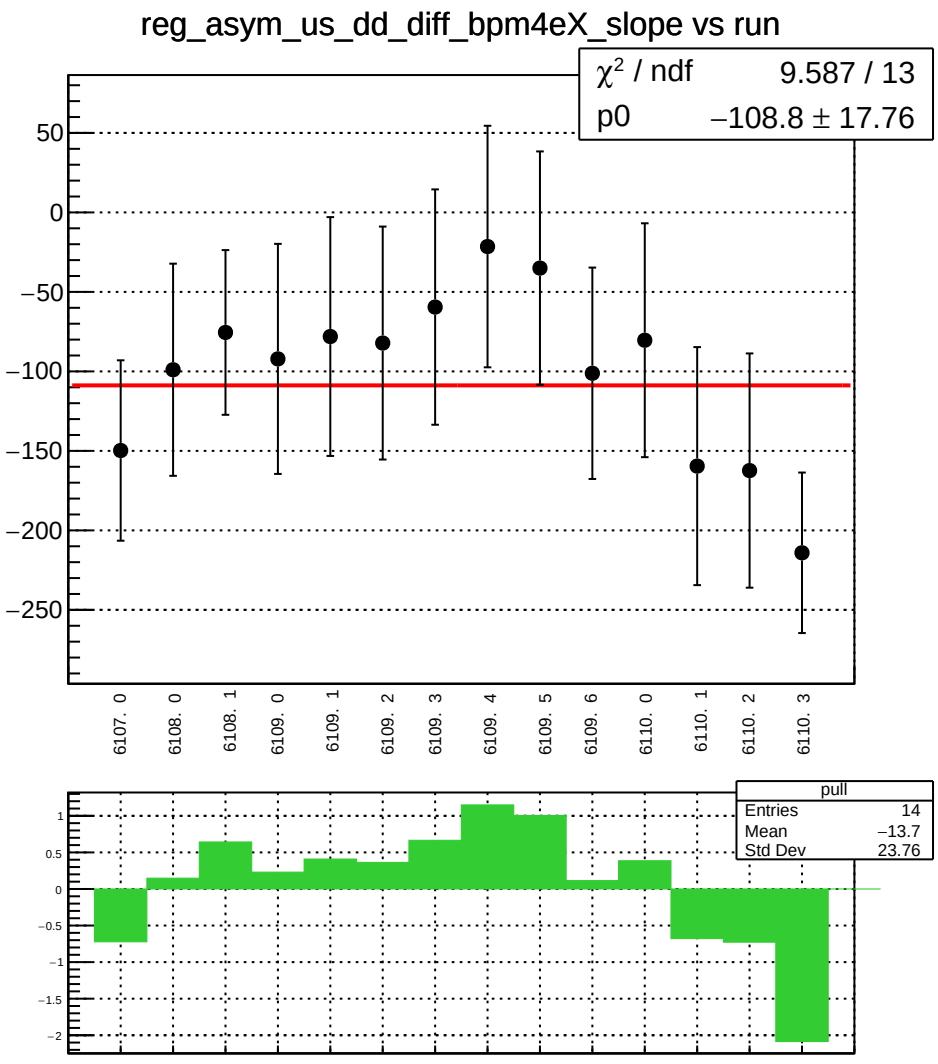

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 15.94 / 13
p0 −22.27 ± 0.7597
−14
−16
−18
−20
−22
−24
−26
−28
−30
−32
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −6.218
Std Dev 14.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

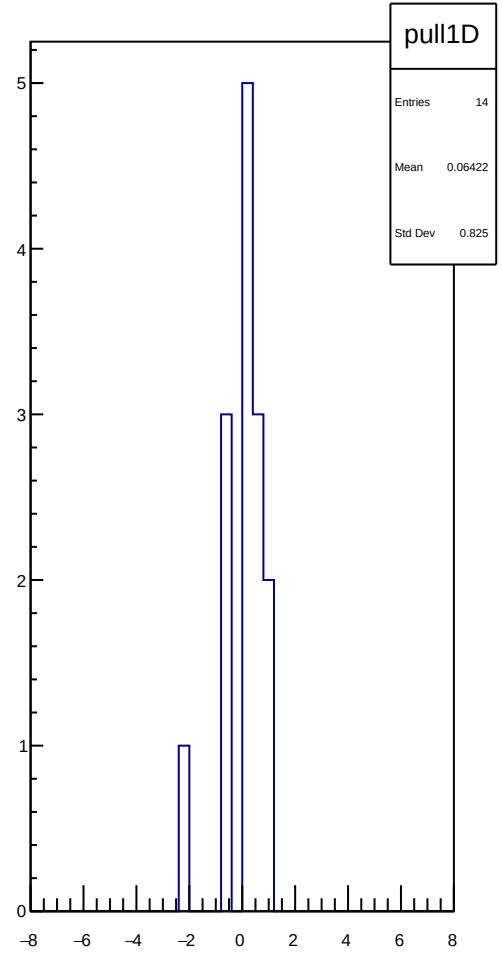

pull1D
Entries 14
Mean −0.07899
Std Dev 1.064
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

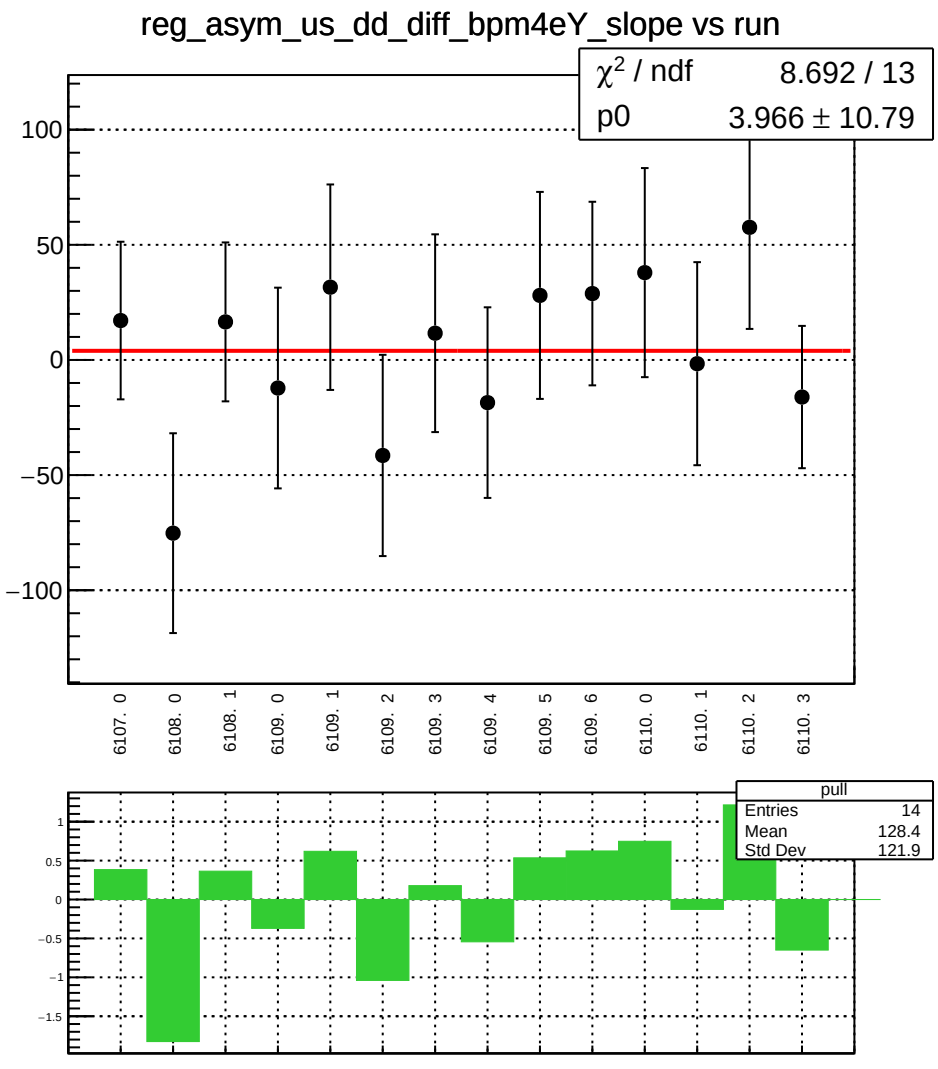

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.68 / 13
p0 53.79 ± 15.26
200
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −14.66
Std Dev 24.59
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean −0.06384
Std Dev 0.8291
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

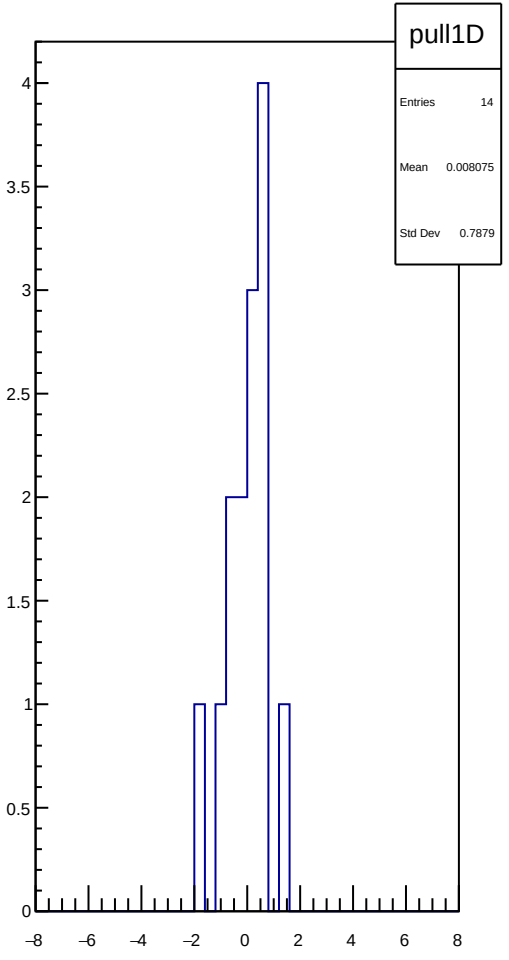

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.824 / 13
p0 −14.54 ± 10.2
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 49.02
Std Dev 42.86
2
1.5
1
0.5
0
−0.5
−1

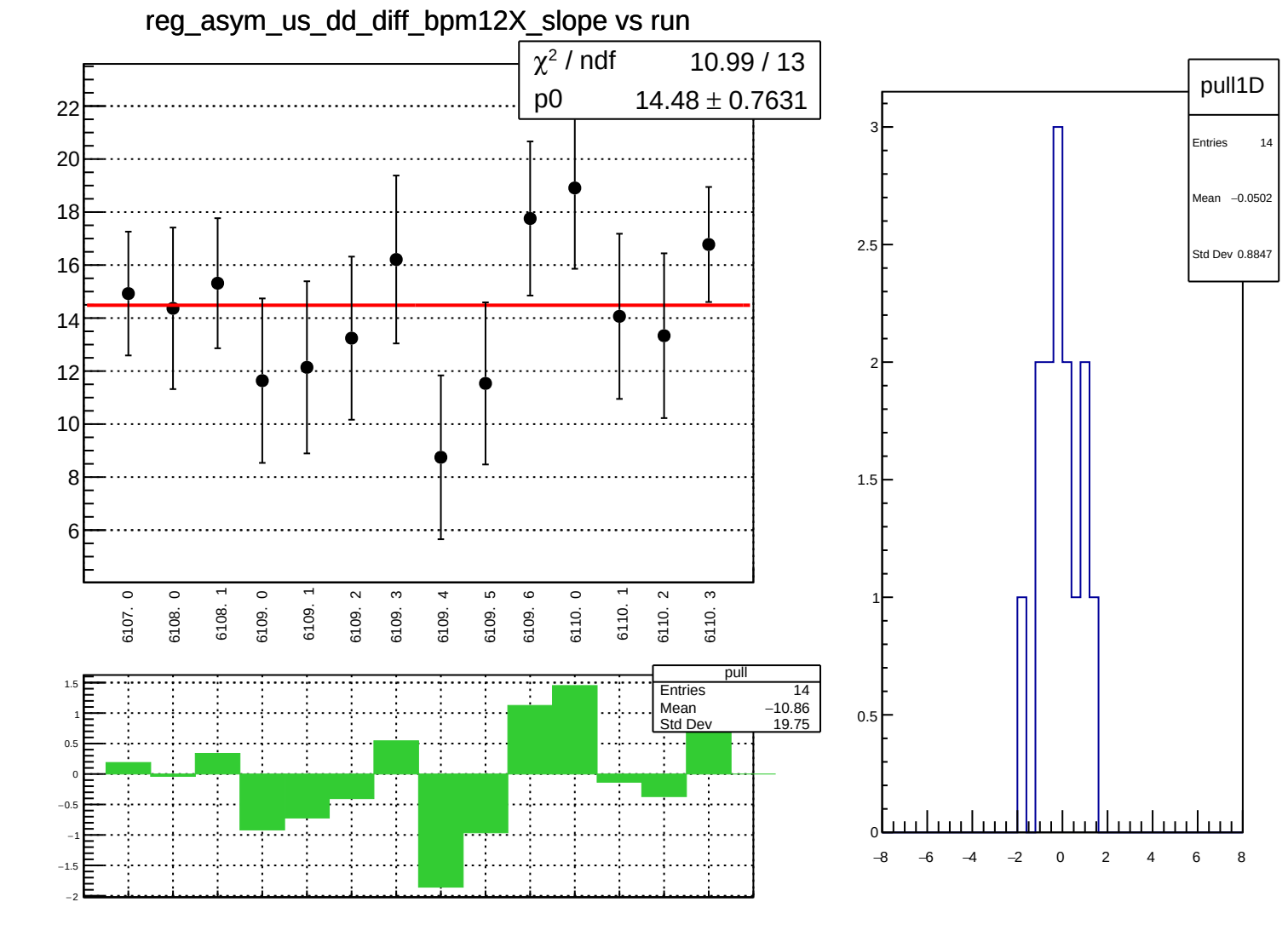

pull1D
Entries 14
Mean −0.02531
Std Dev 0.8373
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

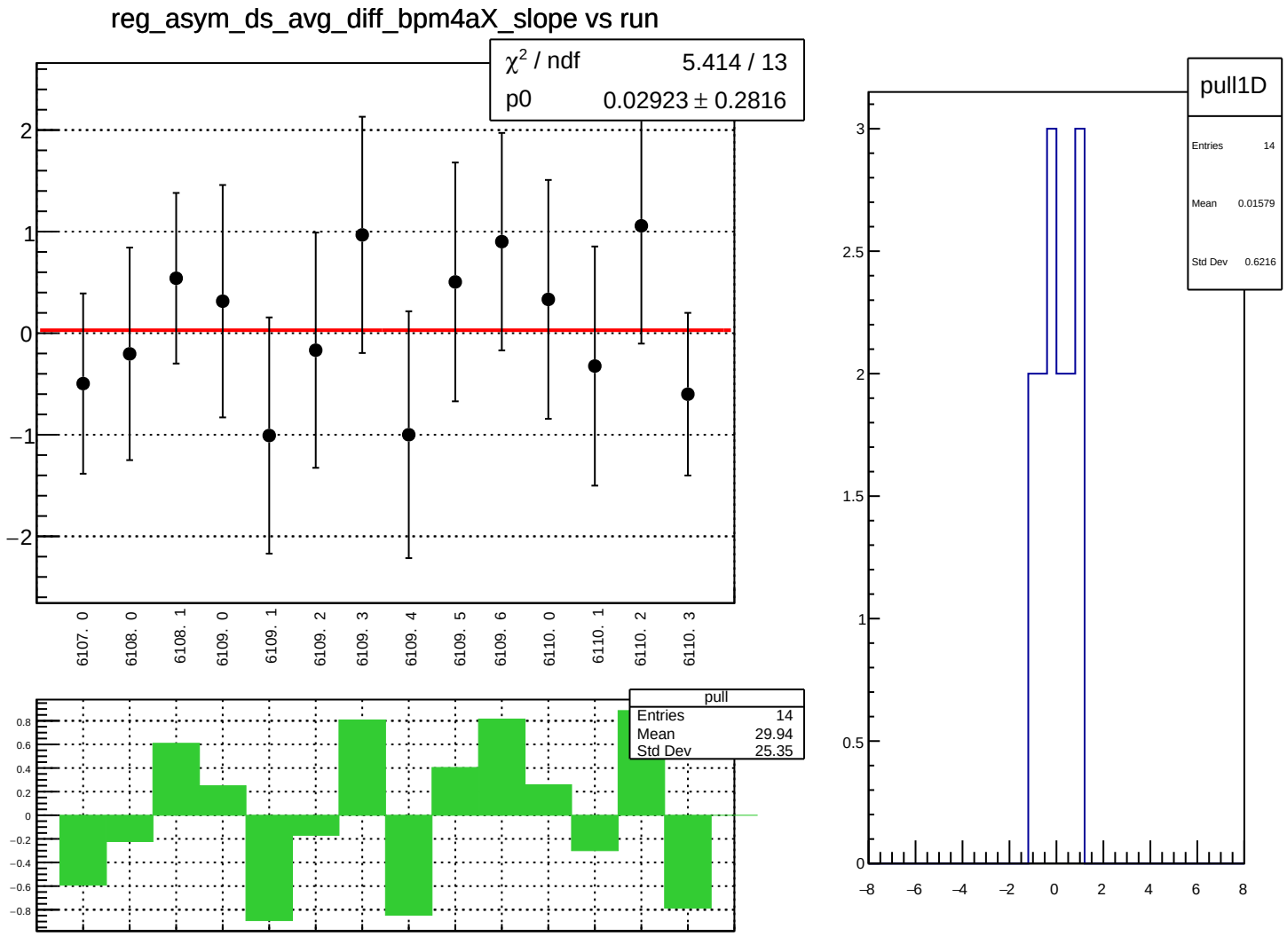

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.587 / 13
p0 −108.8 ± 17.76
50
0
−50
−100
−150
−200
−250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −13.7
Std Dev 23.76
1
0.5
0
−0.5
−1
−1.5
−2

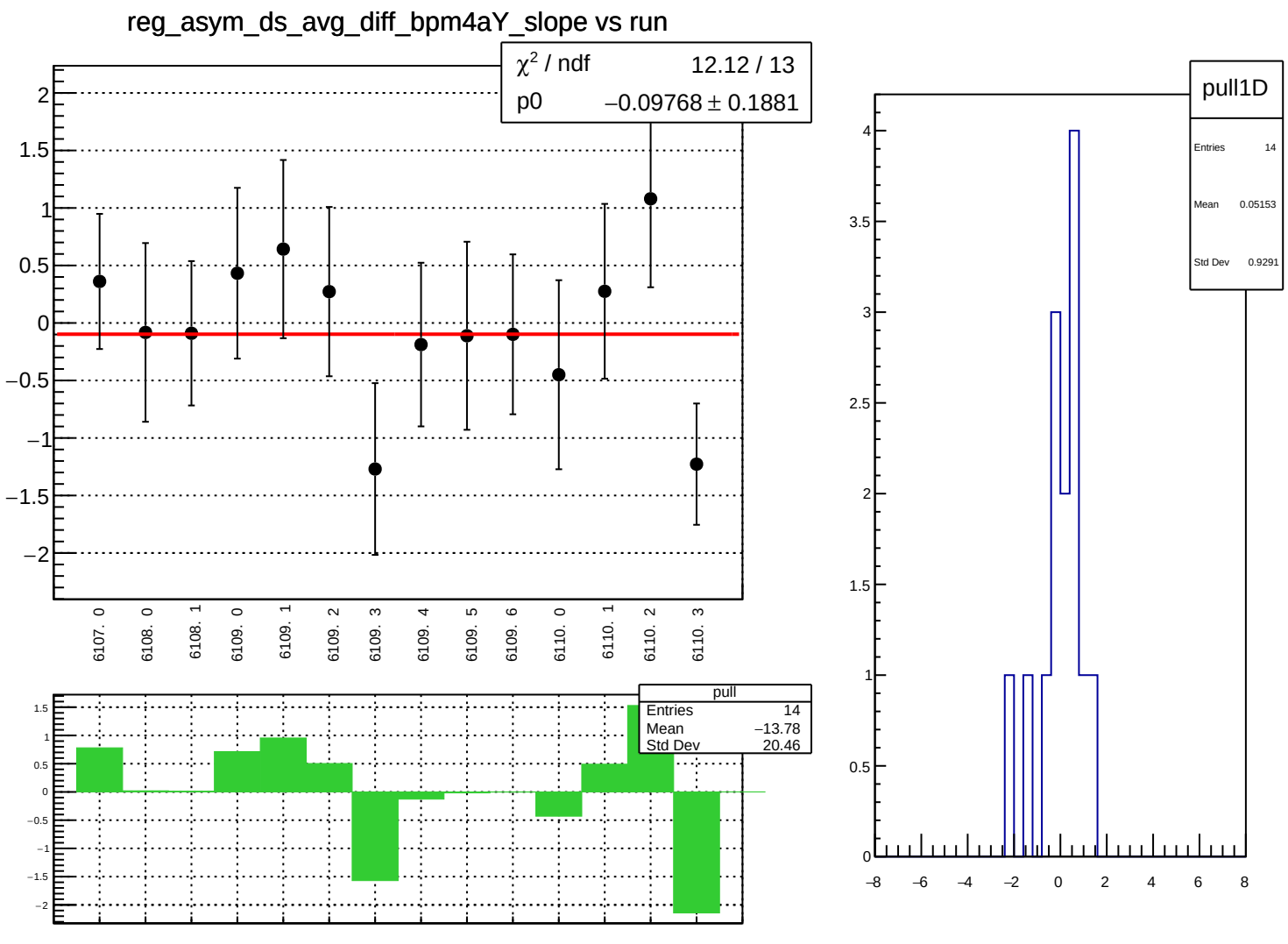

pull1D
Entries 14
Mean 0.06422
Std Dev 0.825
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

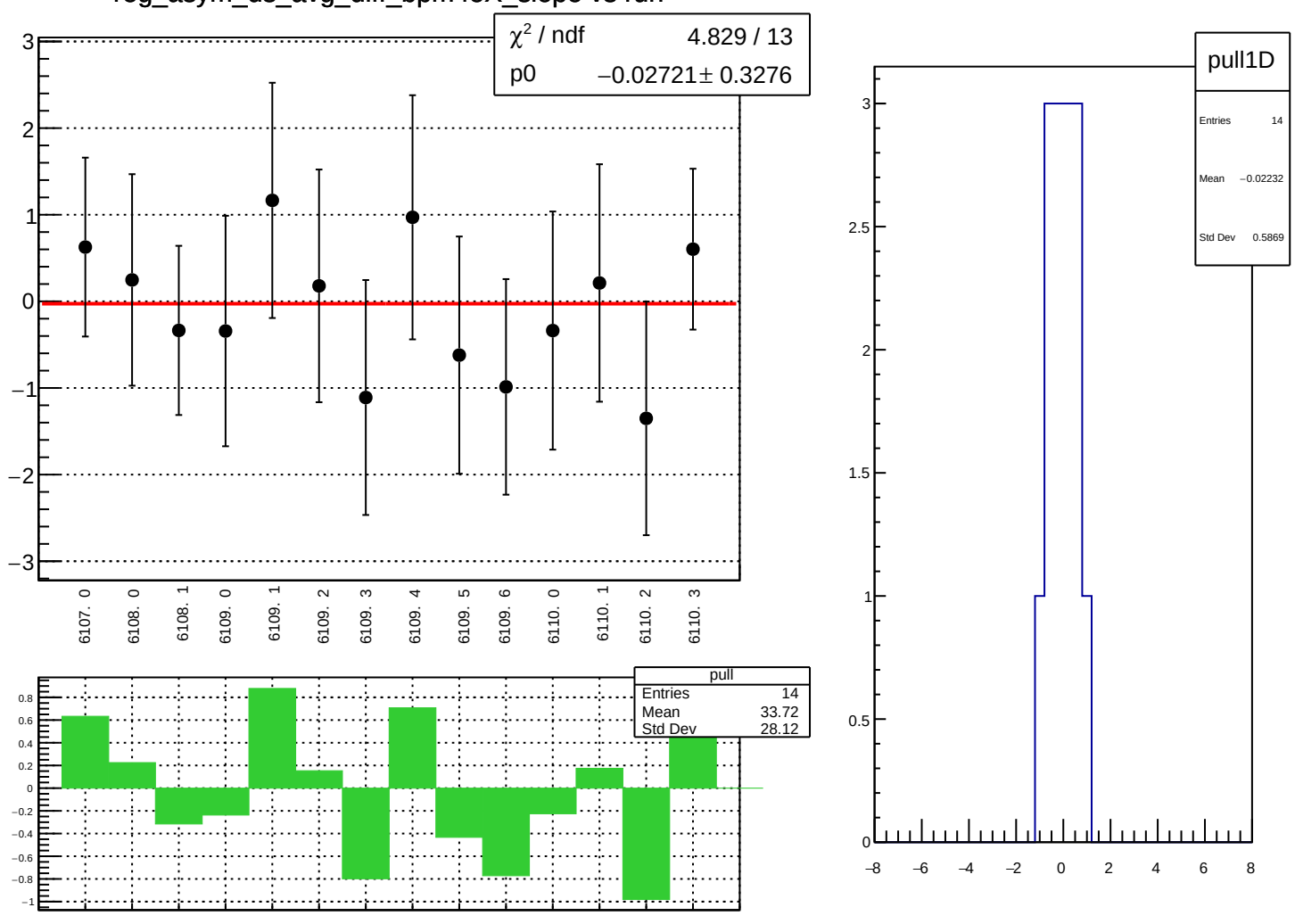

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.692 / 13
p0 3.966 ± 10.79
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 128.4
Std Dev 121.9
1
0.5
0
−0.5
−1
−1.5

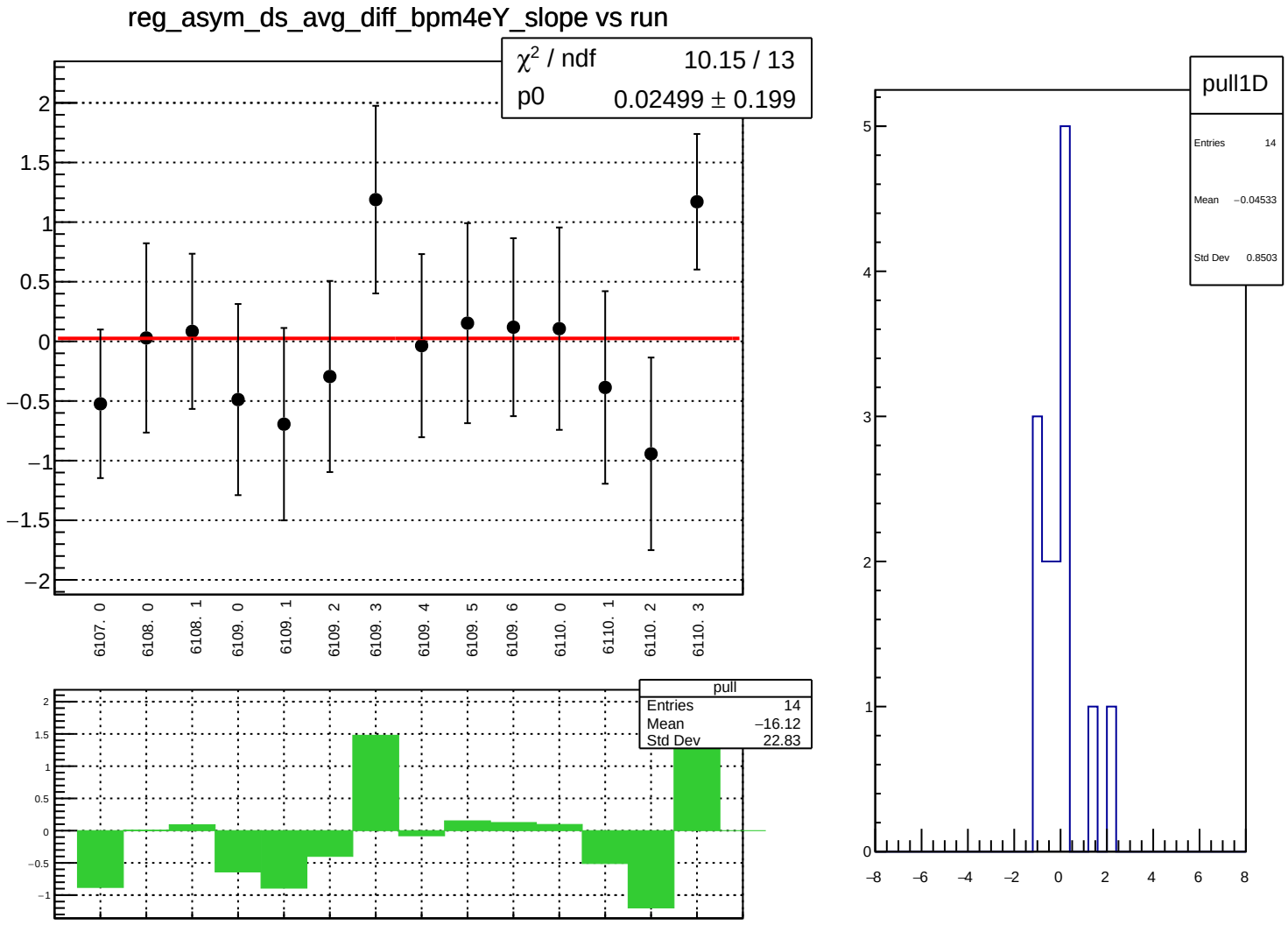

pull1D
Entries 14
Mean 0.008075
Std Dev 0.7879
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

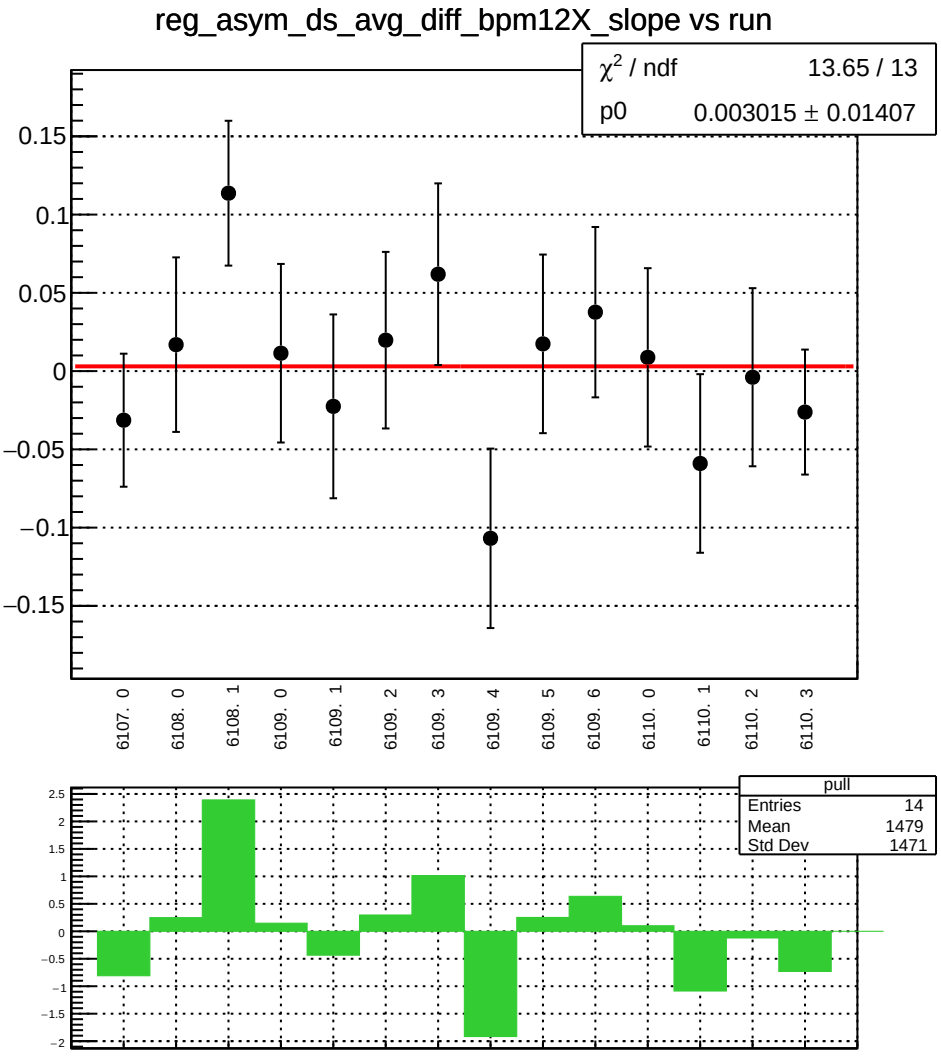

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 10.99 / 13
p0 14.48 ± 0.7631
22
20
18
16
14
12
10
8
6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −10.86
Std Dev 19.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.0502
Std Dev 0.8847
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

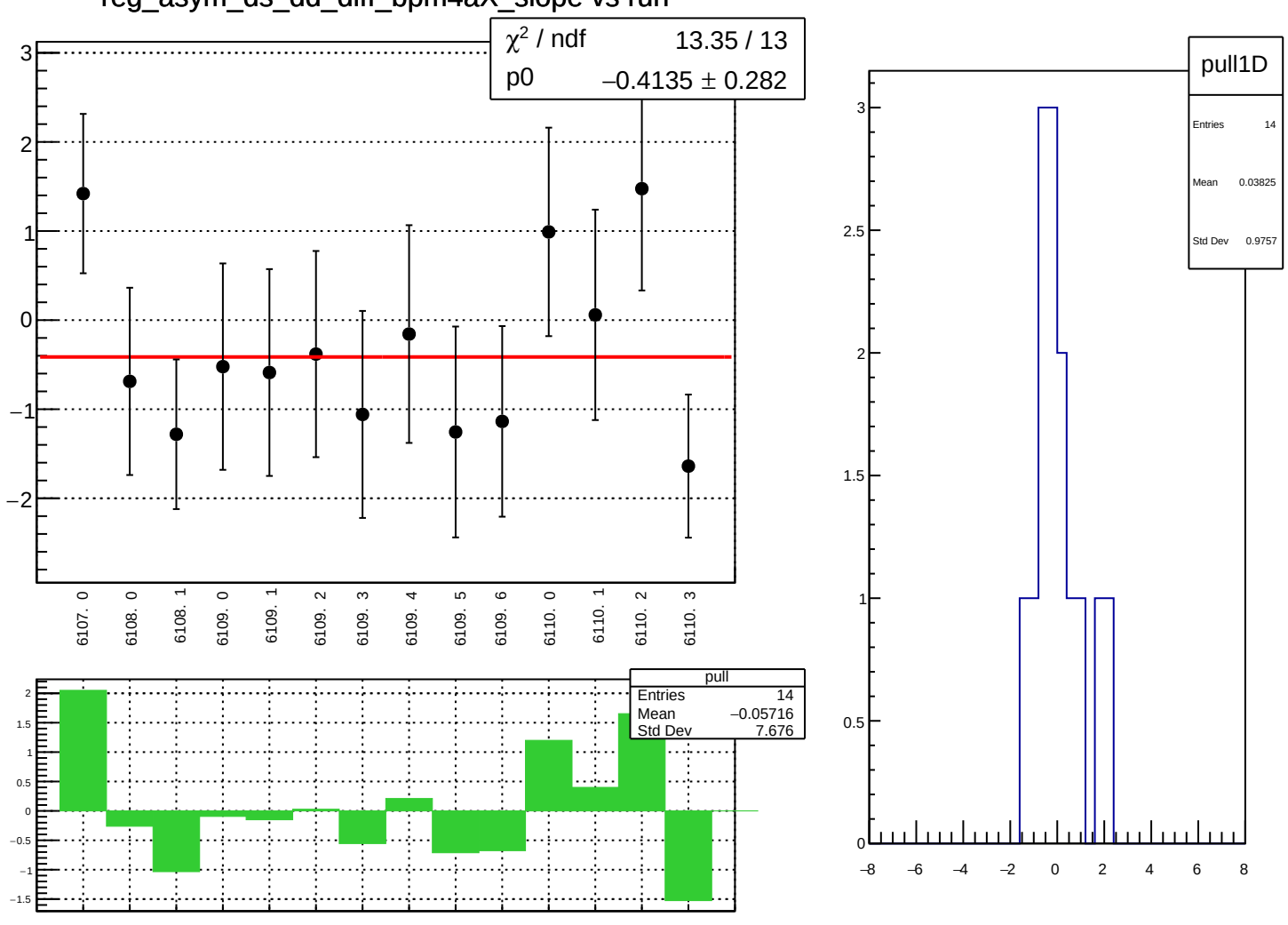

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.414 / 13
p0 0.02923 ± 0.2816
2
1
0
−1
−2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 29.94
Std Dev 25.35
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 14
Mean 0.01579
Std Dev 0.6216
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

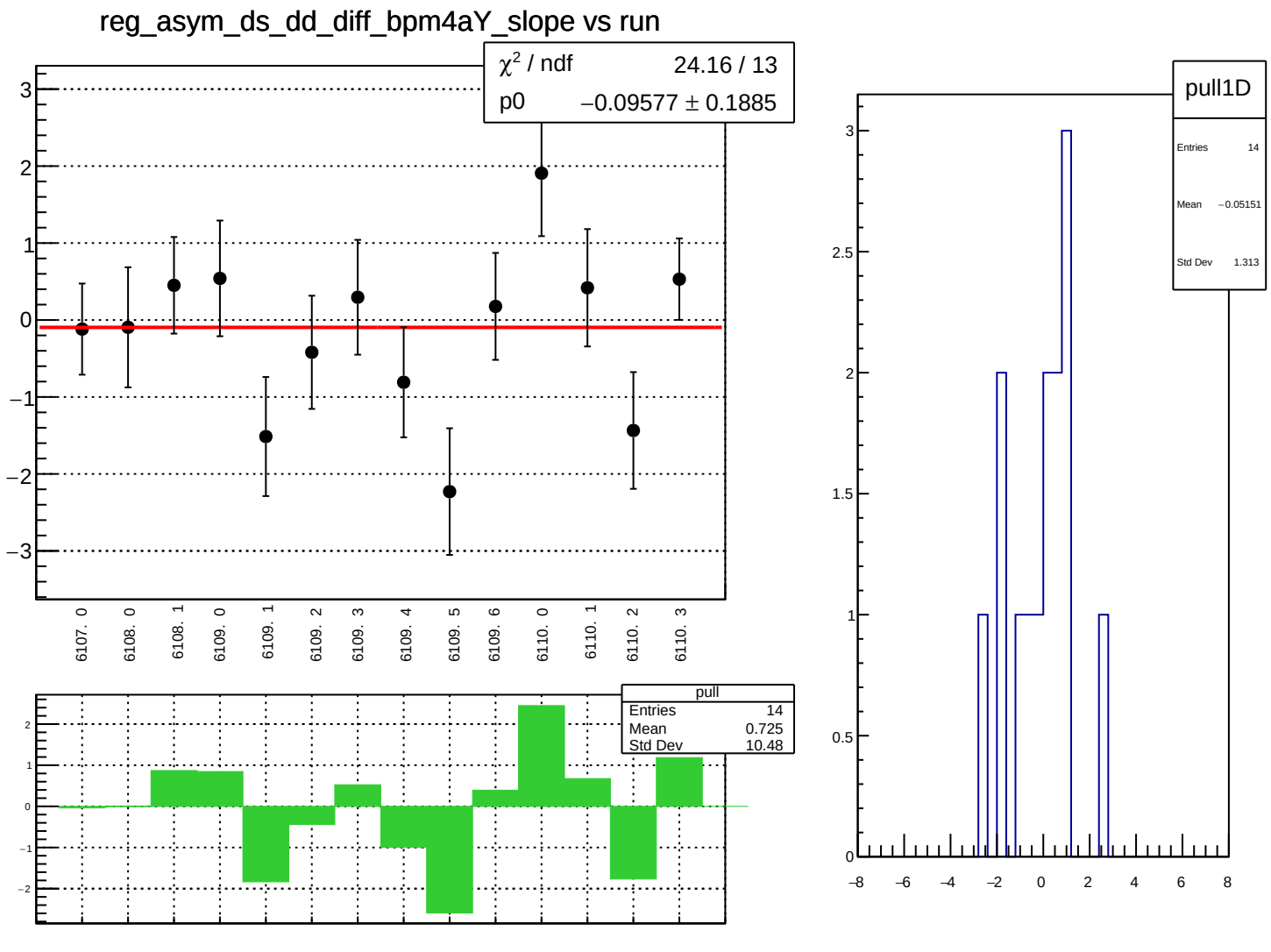

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.12 / 13
p0 −0.09768 ± 0.1881
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −13.78
Std Dev 20.46
pull1D
Entries 14
Mean 0.05153
Std Dev 0.9291

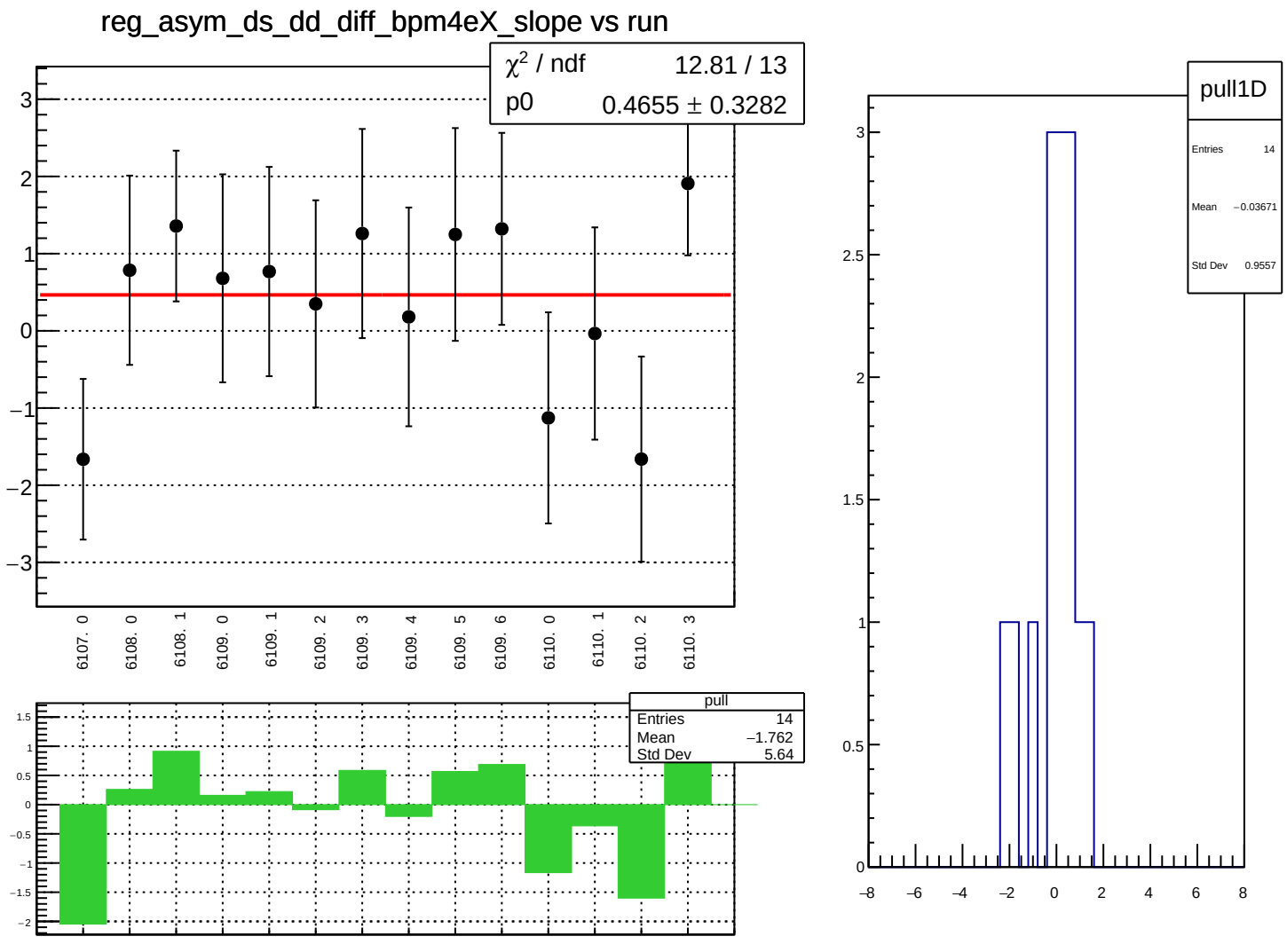

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.829 / 13
p0 −0.02721± 0.3276
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 33.72
Std Dev 28.12
pull1D
Entries 14
Mean −0.02232
Std Dev 0.5869

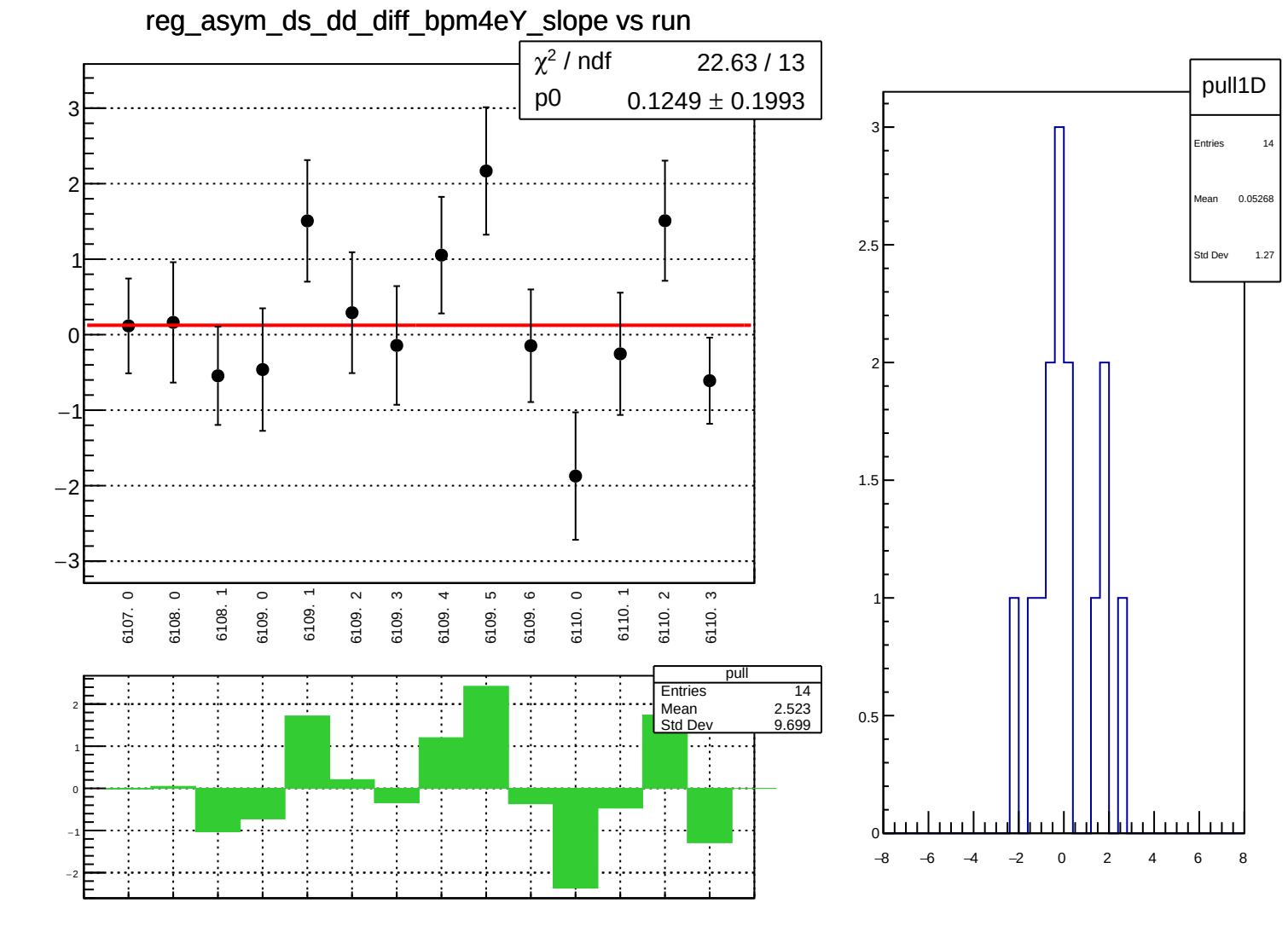

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.15 / 13
p0 0.02499 ± 0.199
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −16.12
Std Dev 22.83
pull1D
Entries 14
Mean −0.04533
Std Dev 0.8503
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

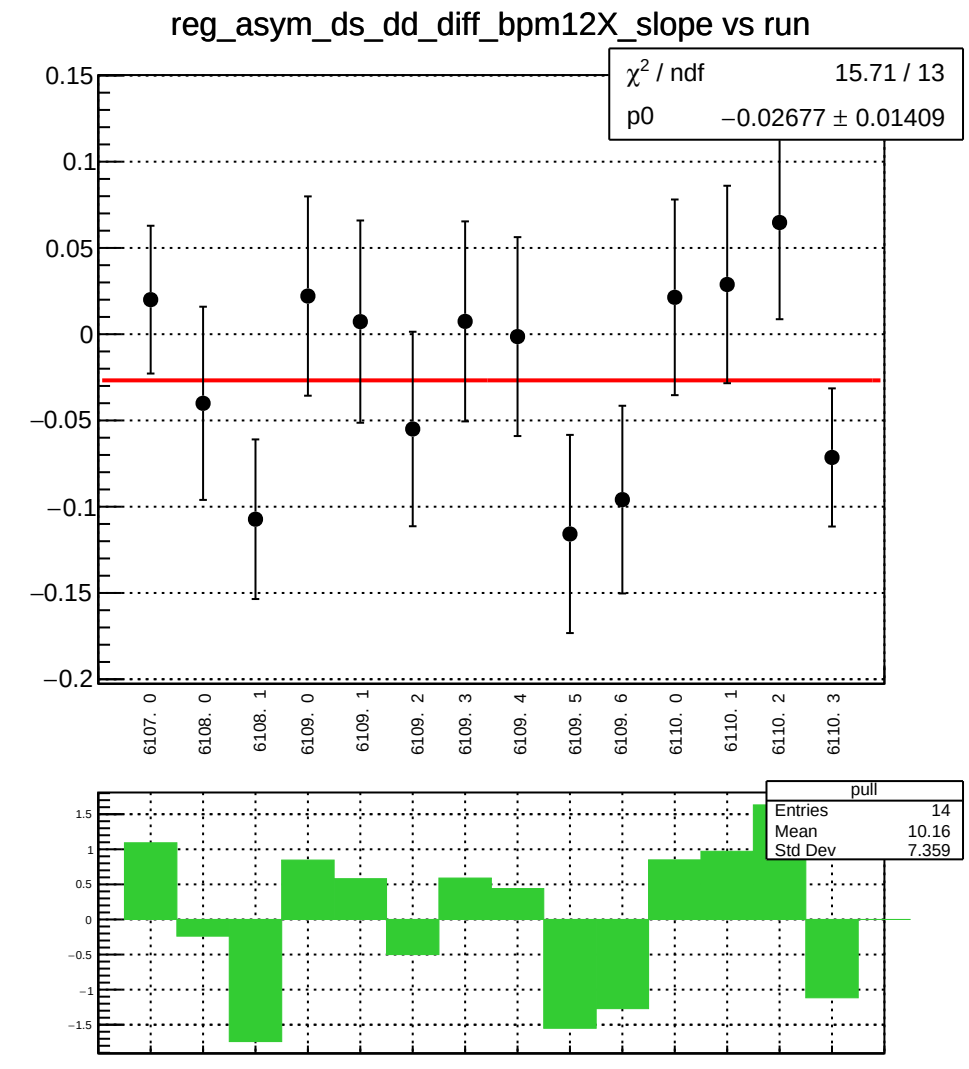

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 13.65 / 13
p0 0.003015 ± 0.01407
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1479
Std Dev 1471
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.0007863
Std Dev 0.9873
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

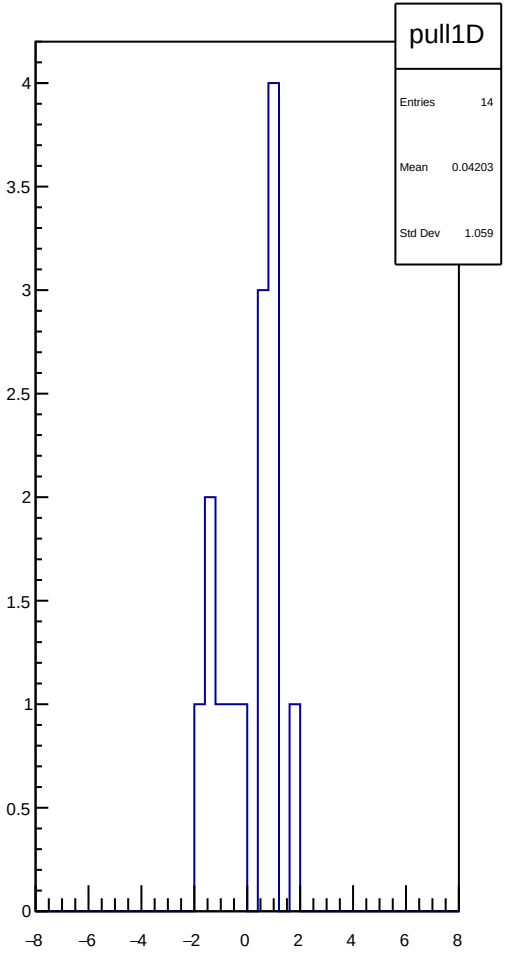

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.35 / 13
p0 −0.4135 ± 0.282
3
2
1
0
−1
−2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.05716
Std Dev 7.676
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.03825
Std Dev 0.9757
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

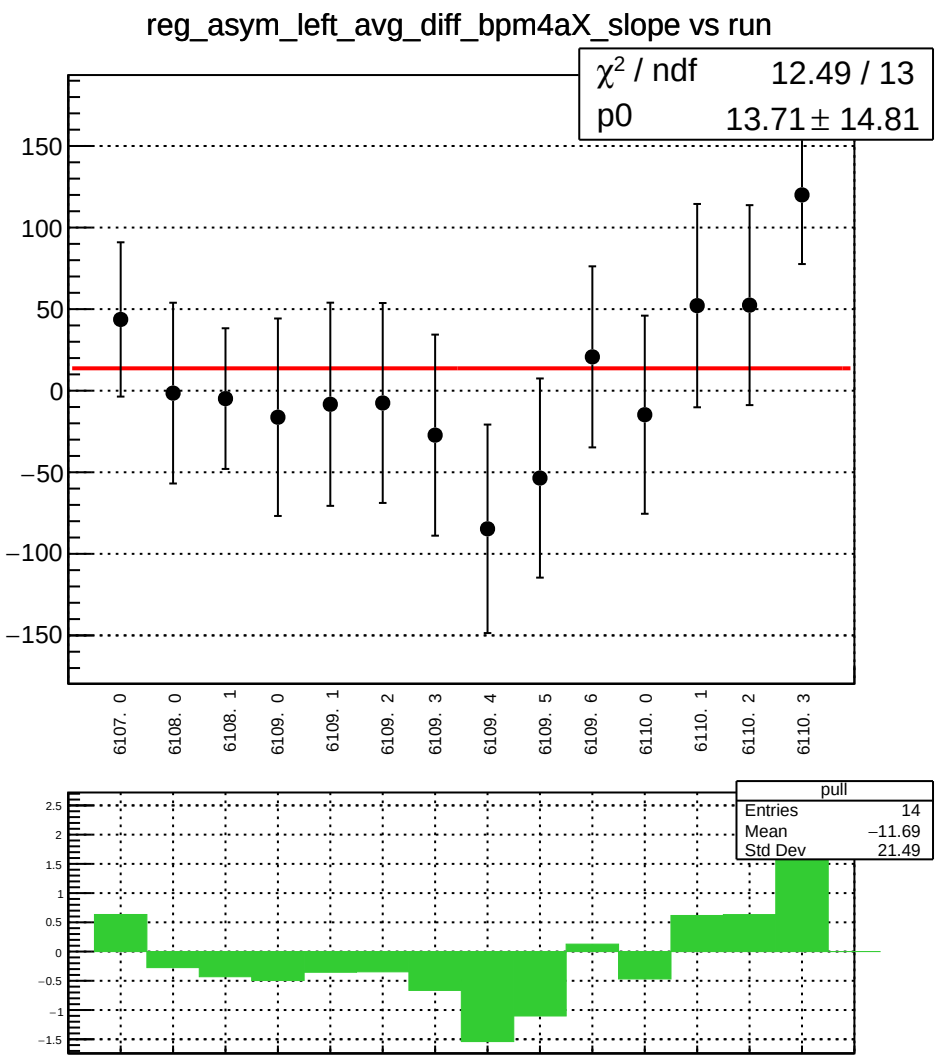

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.16 / 13
p0 −0.09577 ± 0.1885
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0.725
Std Dev 10.48
pull1D
Entries 14
Mean −0.05151
Std Dev 1.313

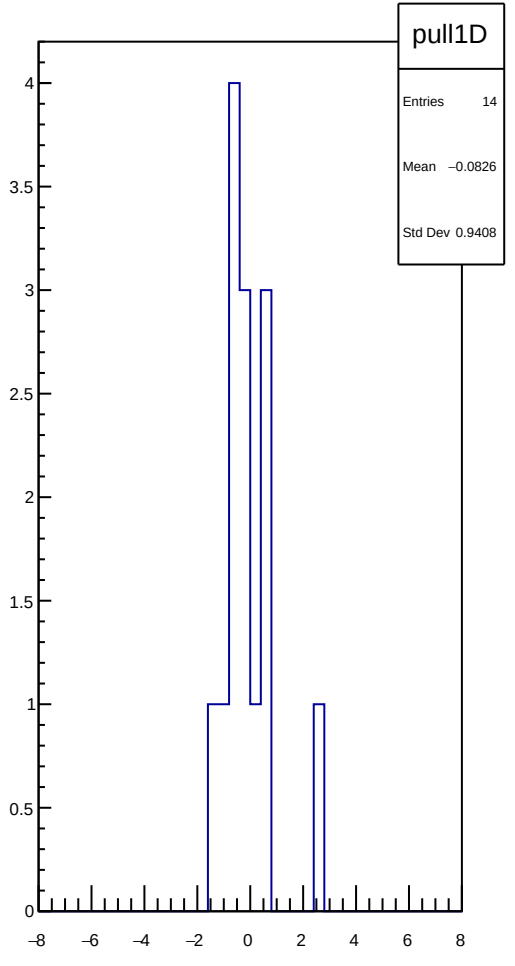

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.81 / 13
p0 0.4655 ± 0.3282
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −1.762
Std Dev 5.64
pull1D
Entries 14
Mean −0.03671
Std Dev 0.9557

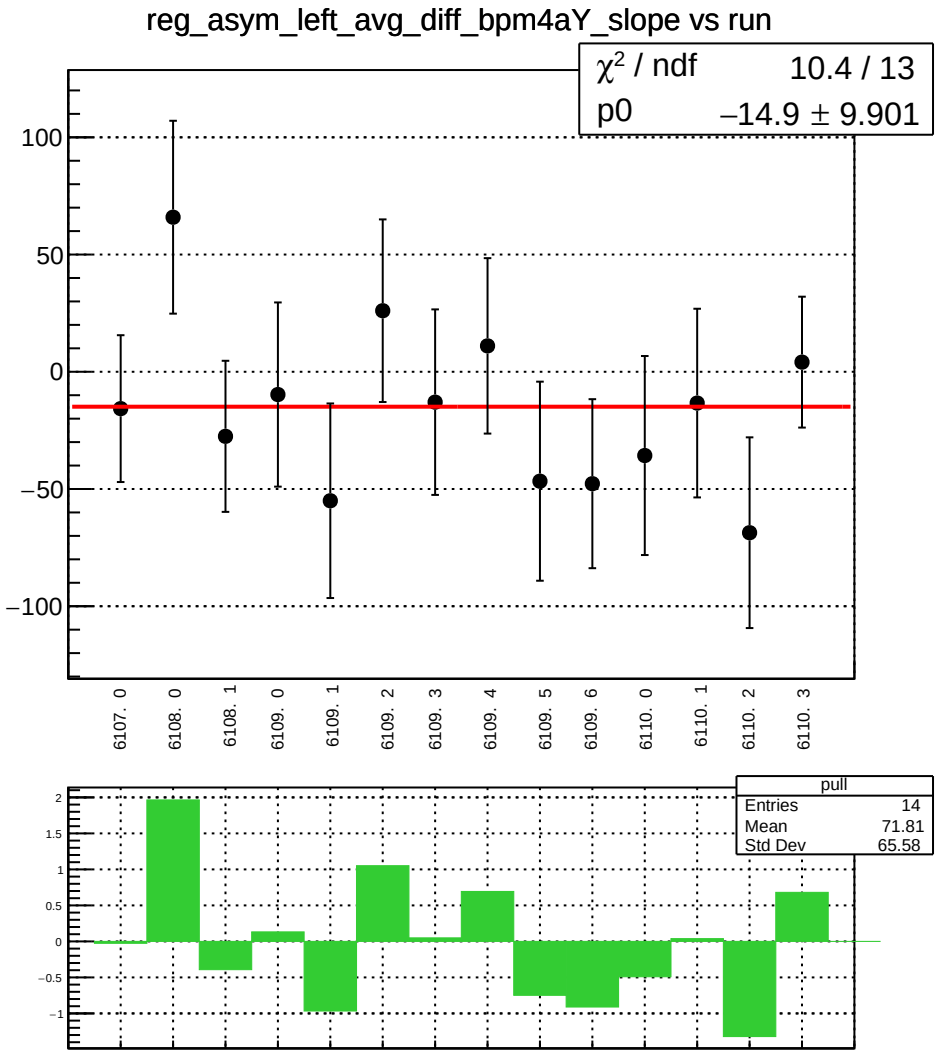

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.63 / 13
p0 0.1249 ± 0.1993
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 2.523
Std Dev 9.699
pull1D
Entries 14
Mean 0.05268
Std Dev 1.27

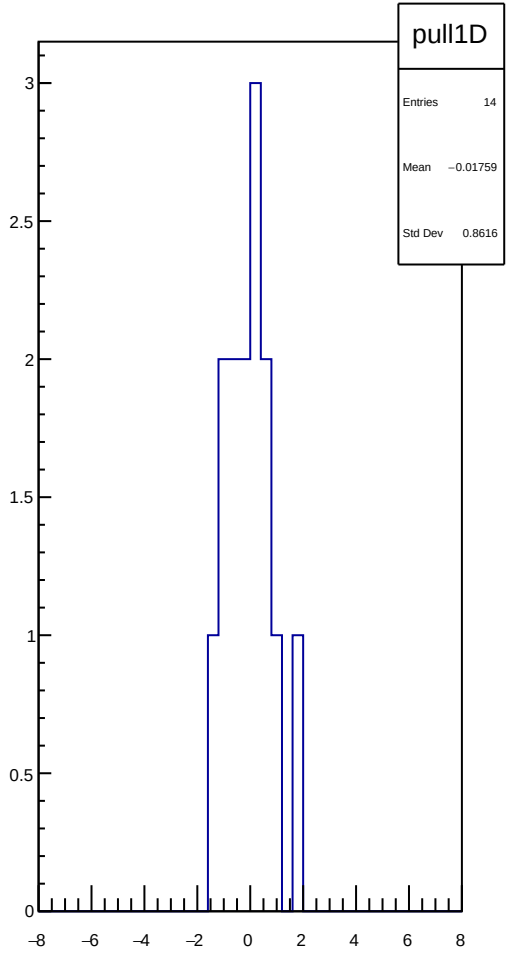

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 15.71 / 13
p0 −0.02677 ± 0.01409
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 10.16
Std Dev 7.359
1.5
1
0.5
0
−0.5
−1
−1.5

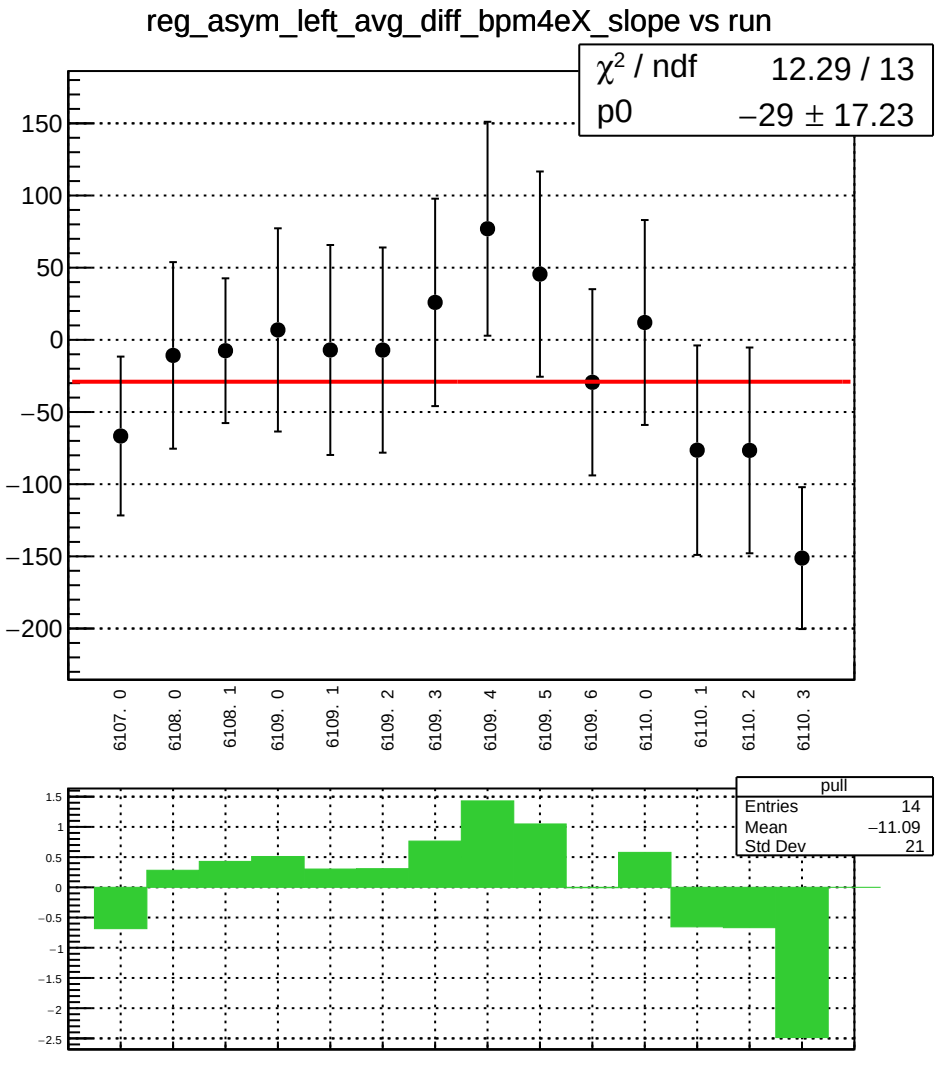

pull1D
Entries 14
Mean 0.04203
Std Dev 1.059
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

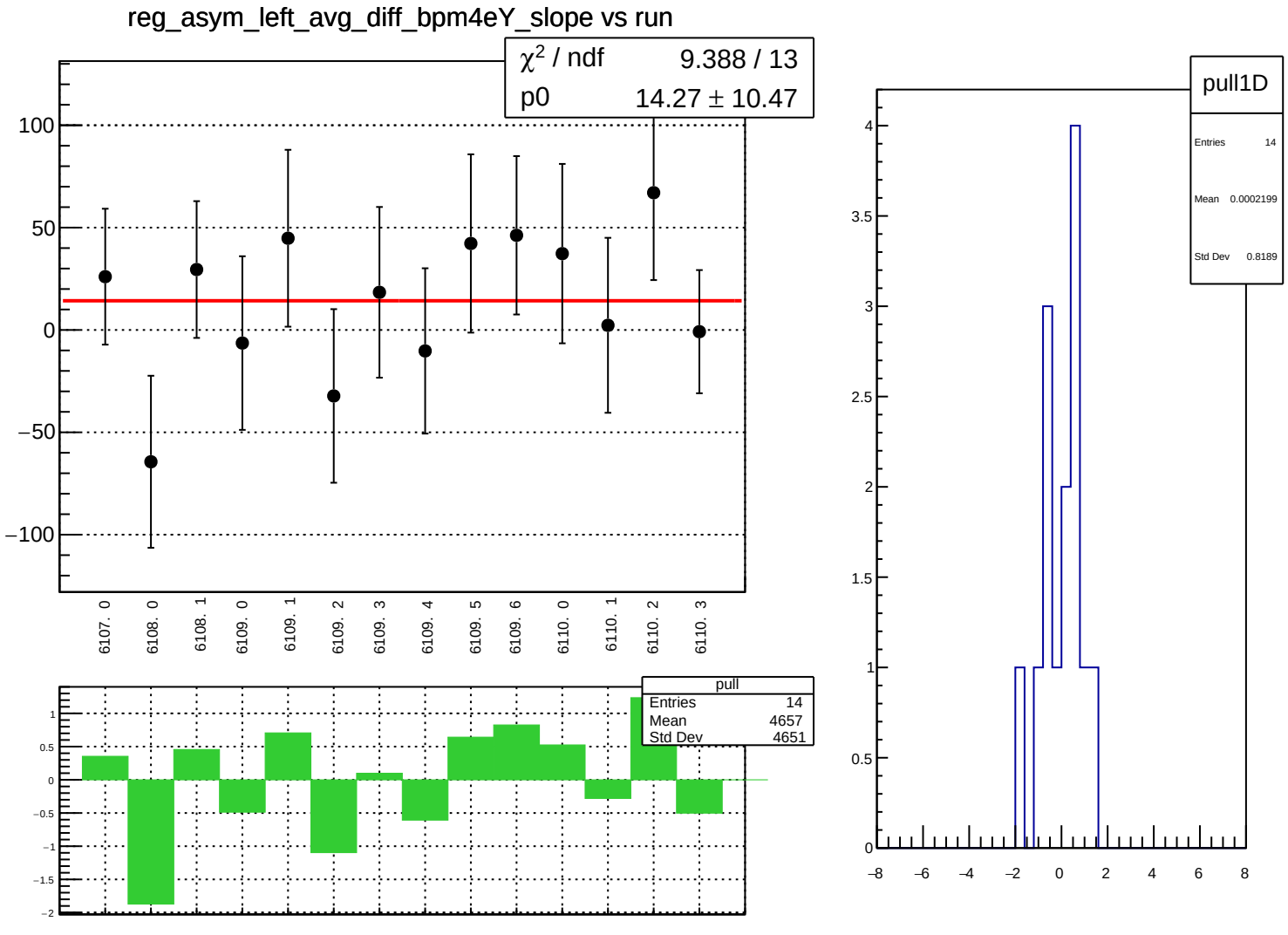

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.49 / 13
p0 13.71 ± 14.81
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.69
Std Dev 21.49
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

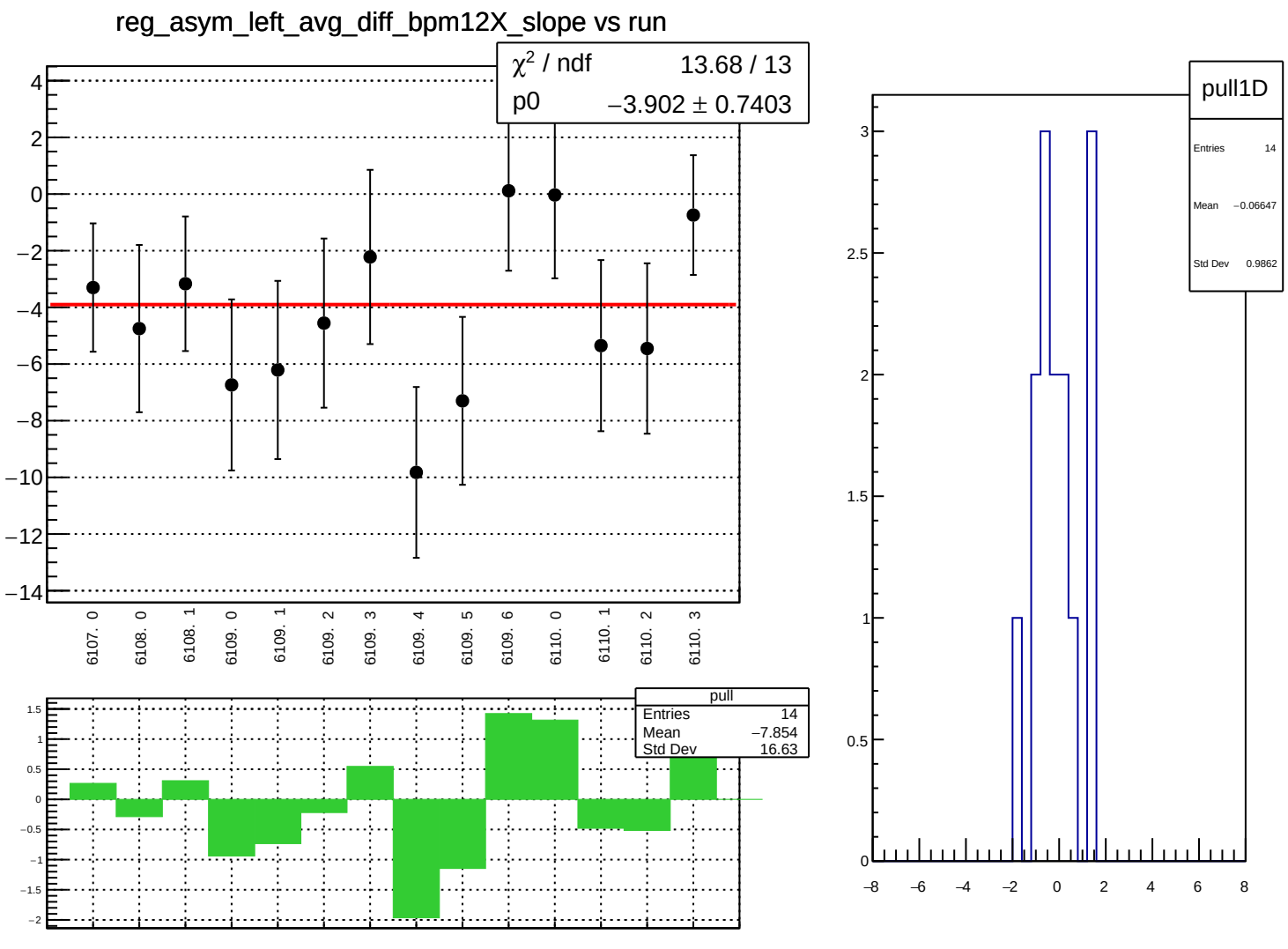

pull1D
Entries 14
Mean −0.0826
Std Dev 0.9408
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

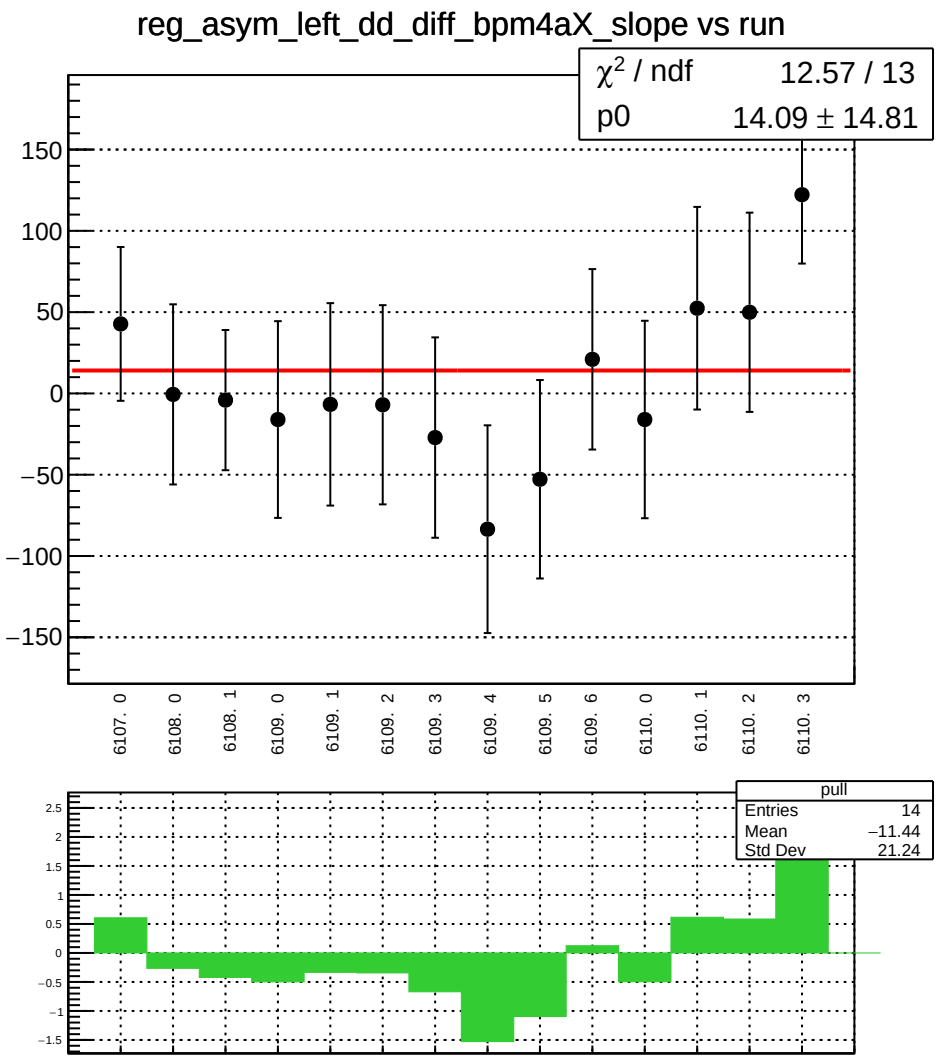

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.4 / 13
p0 −14.9 ± 9.901
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 71.81
Std Dev 65.58
2
1.5
1
0.5
0
−0.5
−1

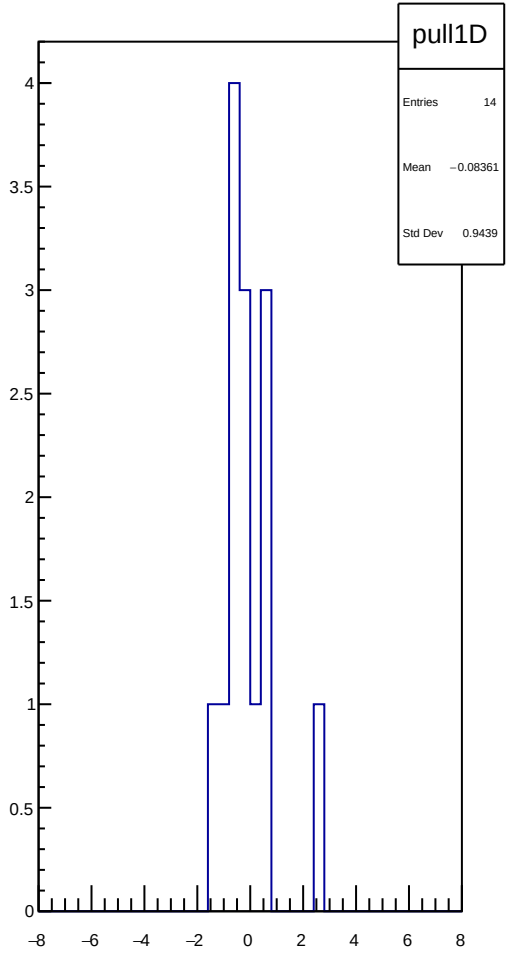

pull1D
Entries 14
Mean −0.01759
Std Dev 0.8616
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

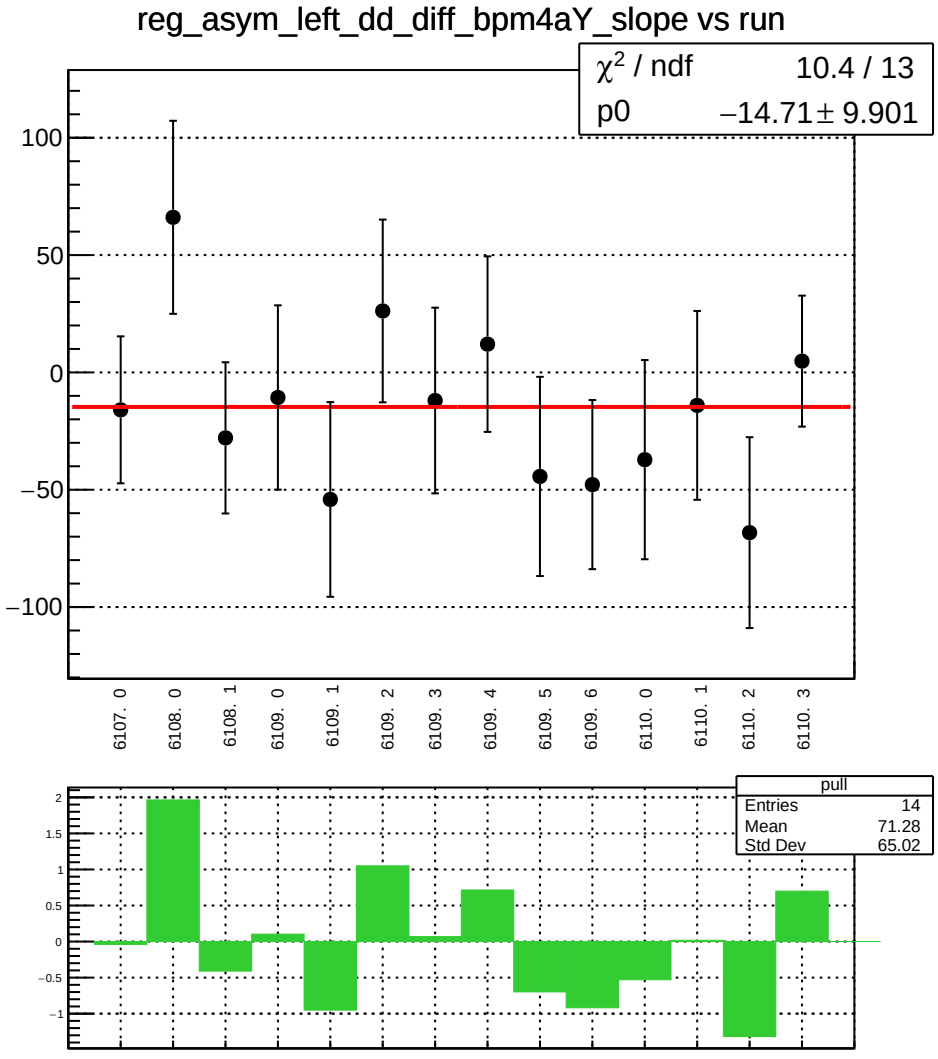

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.29 / 13
p0 −29 ± 17.23
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.09
Std Dev 21
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 14
Mean 0.0825
Std Dev 0.9335
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

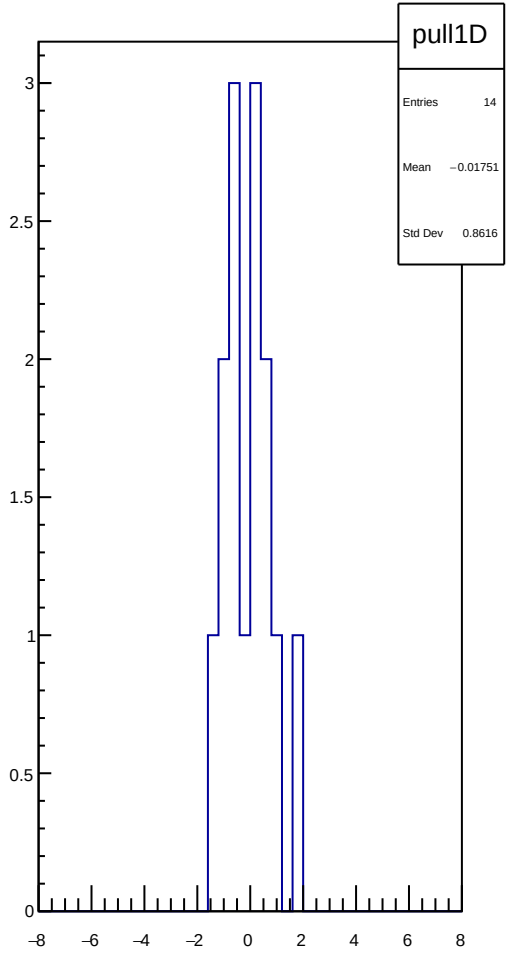

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.388 / 13
p0 14.27 ± 10.47
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 4657
Std Dev 4651
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.0002199
Std Dev 0.8189
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

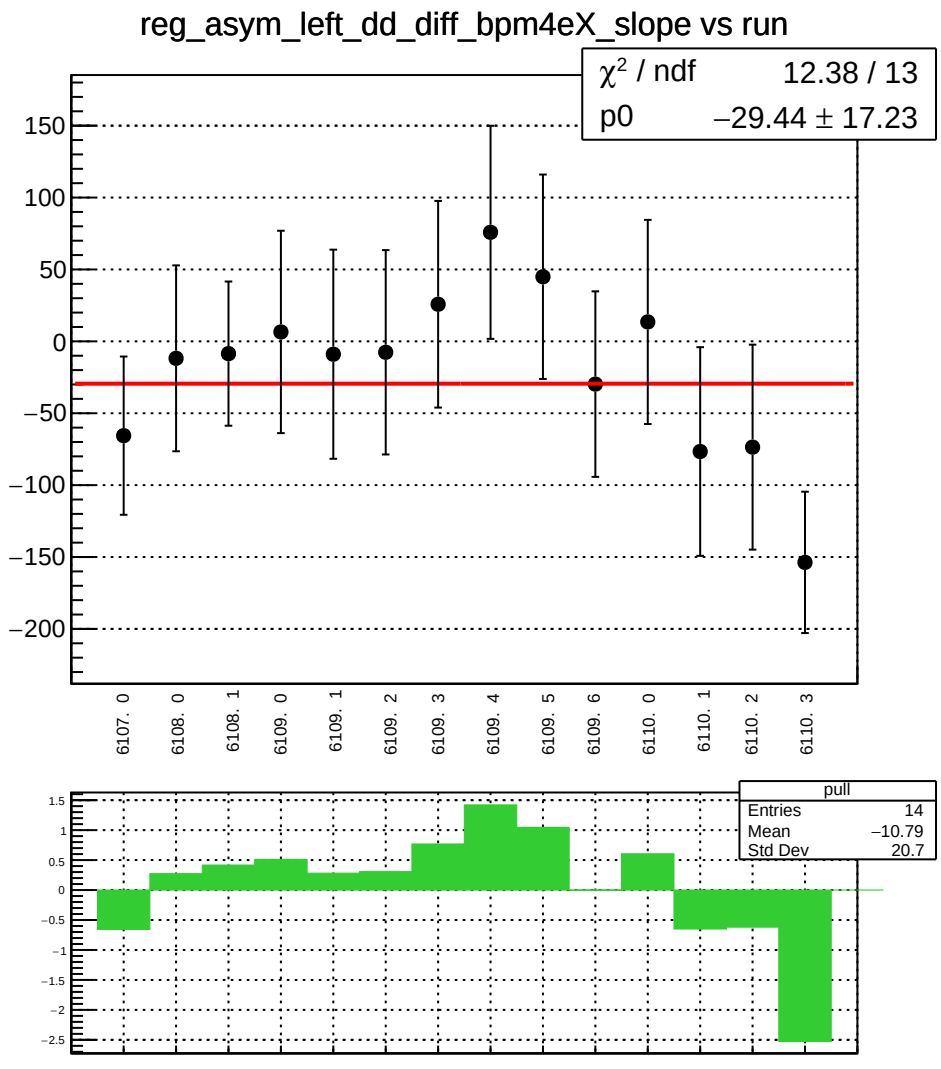

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 13.68 / 13
p0 −3.902 ± 0.7403
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −7.854
Std Dev 16.63
pull1D
Entries 14
Mean −0.06647
Std Dev 0.9862

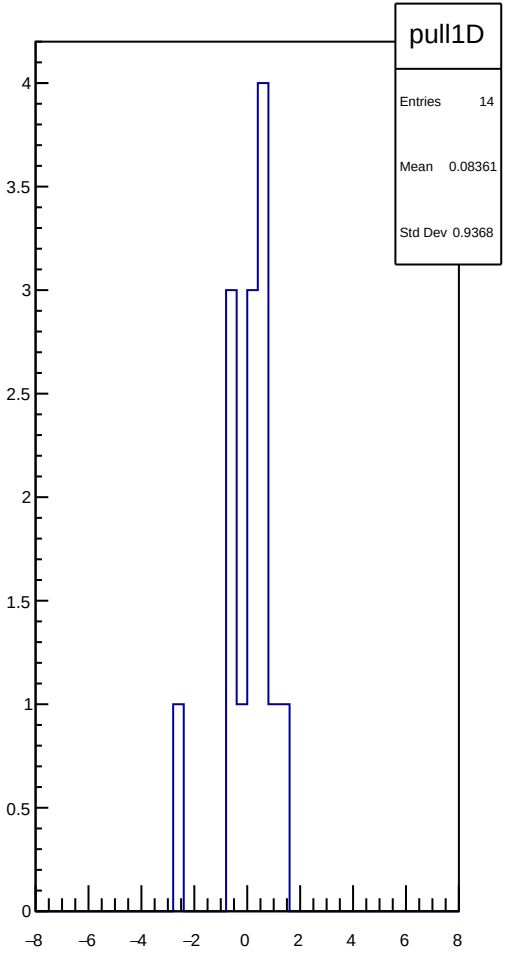

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.57 / 13
p0 14.09 ± 14.81
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.44
Std Dev 21.24
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

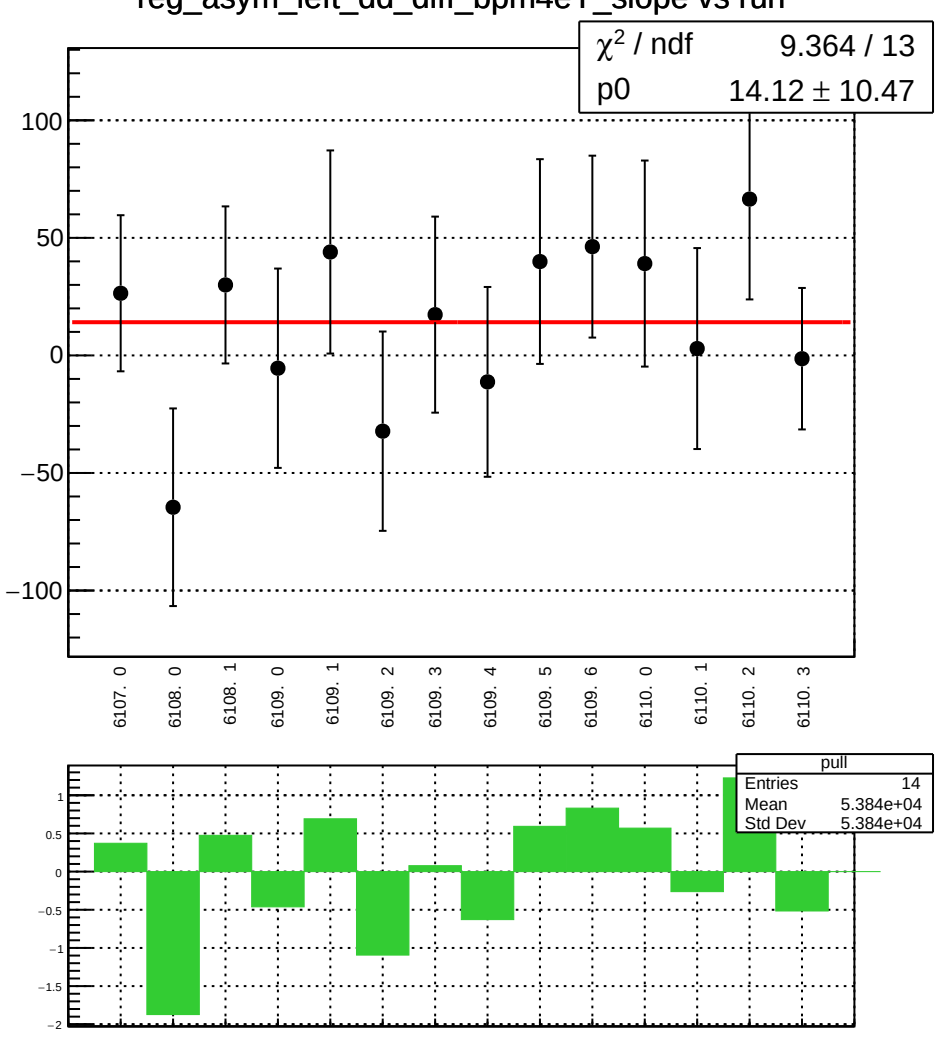

pull1D
Entries 14
Mean −0.08361
Std Dev 0.9439
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

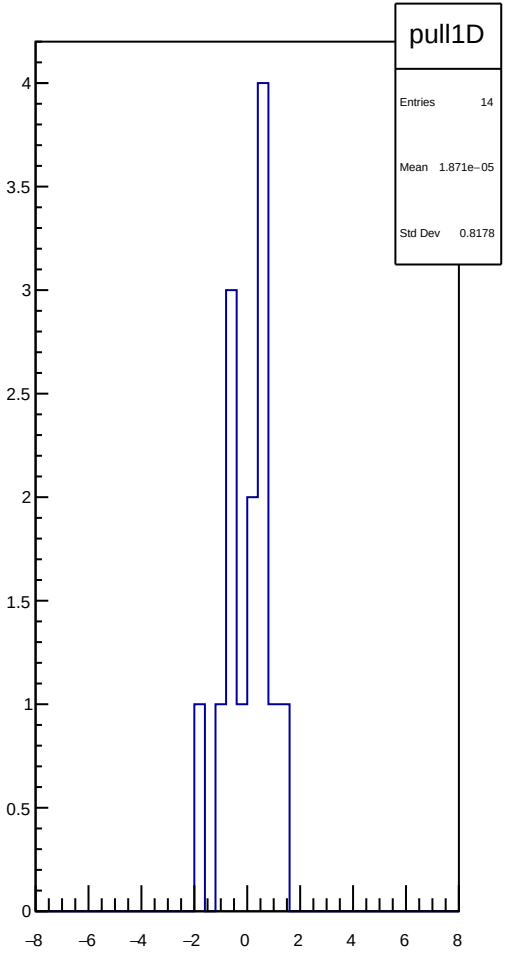

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.4 / 13
p0 −14.71 ± 9.901
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 71.28
Std Dev 65.02
2
1.5
1
0.5
0
−0.5
−1

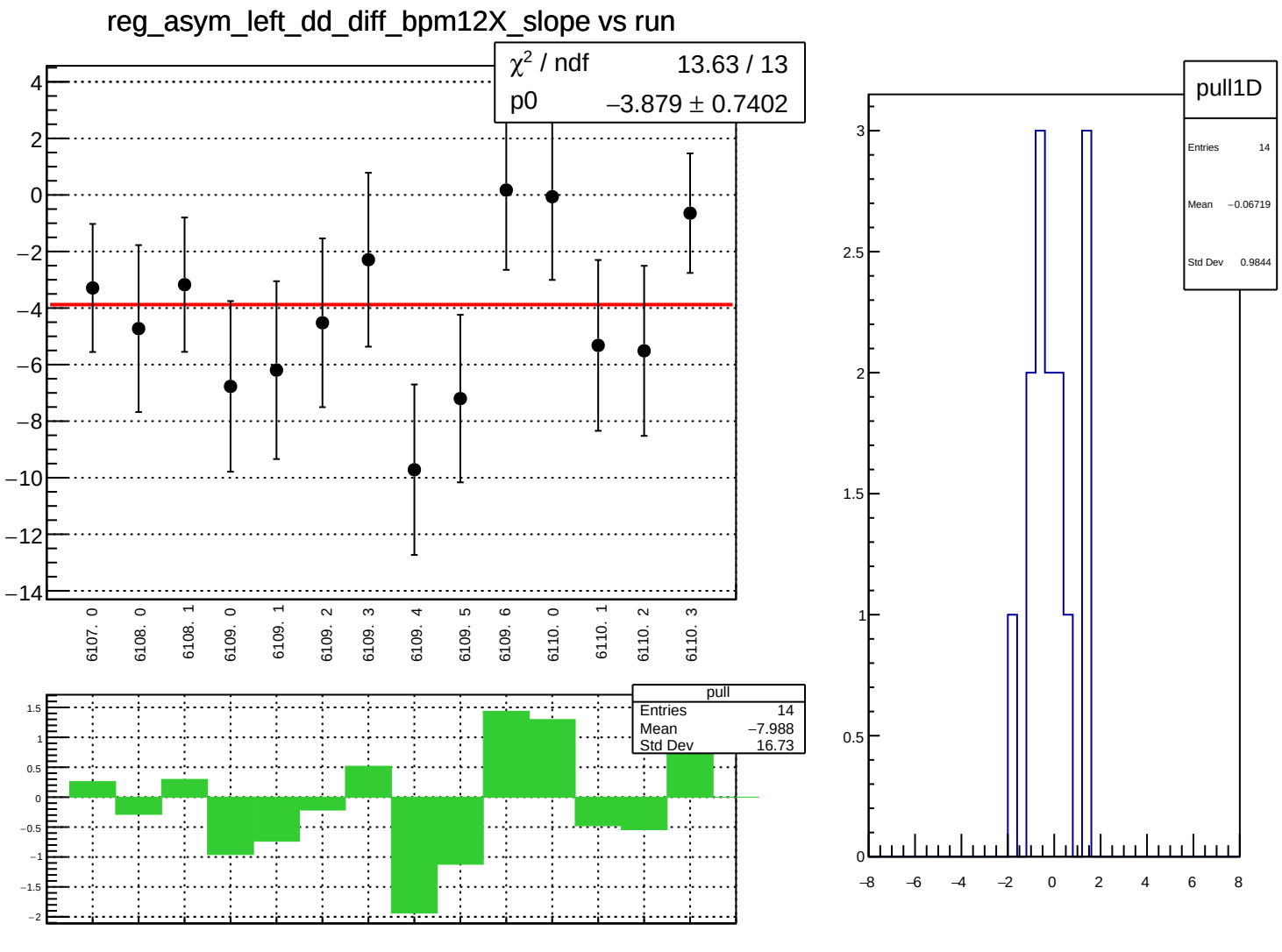

pull1D
Entries 14
Mean −0.01751
Std Dev 0.8616
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

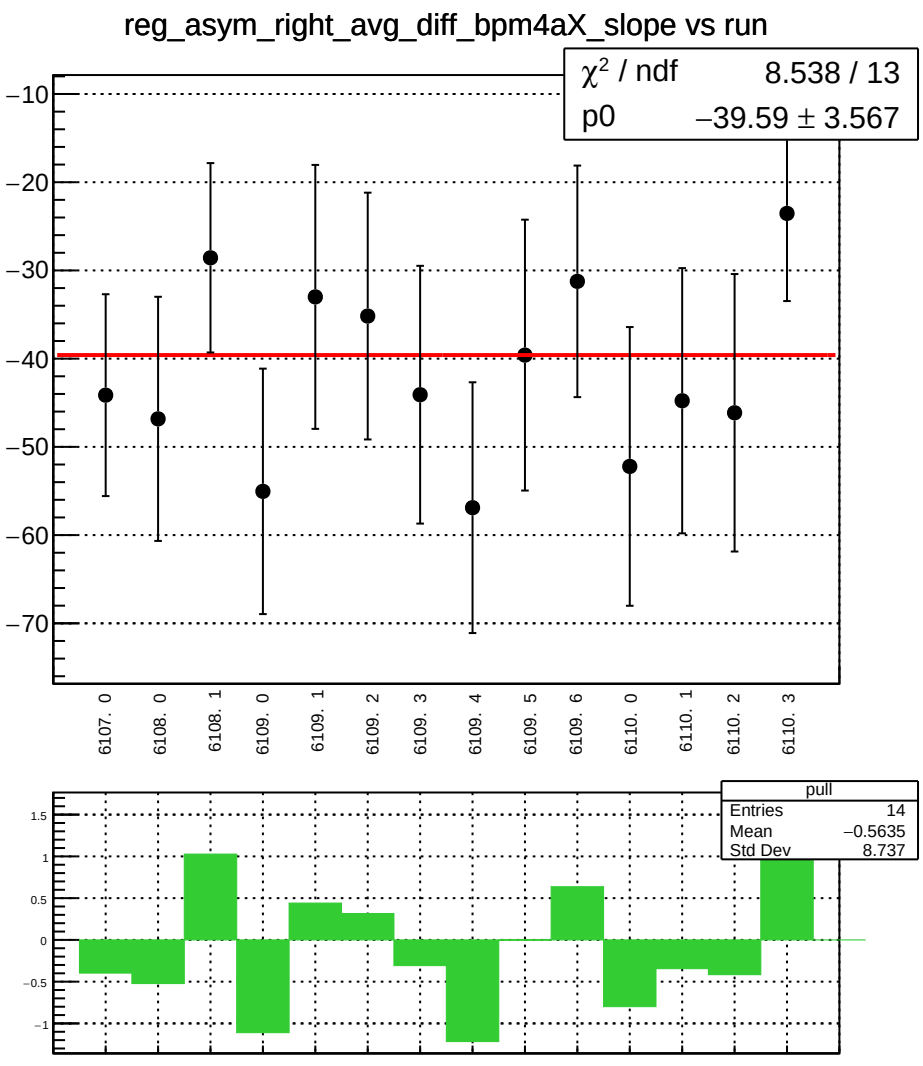

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.38 / 13
p0 −29.44 ± 17.23
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −10.79
Std Dev 20.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

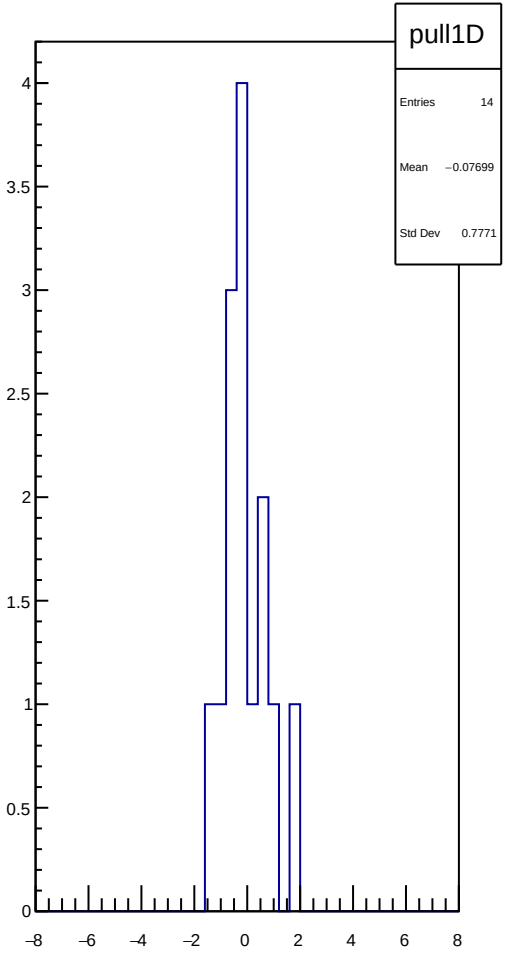

pull1D
Entries 14
Mean 0.08361
Std Dev 0.9368
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

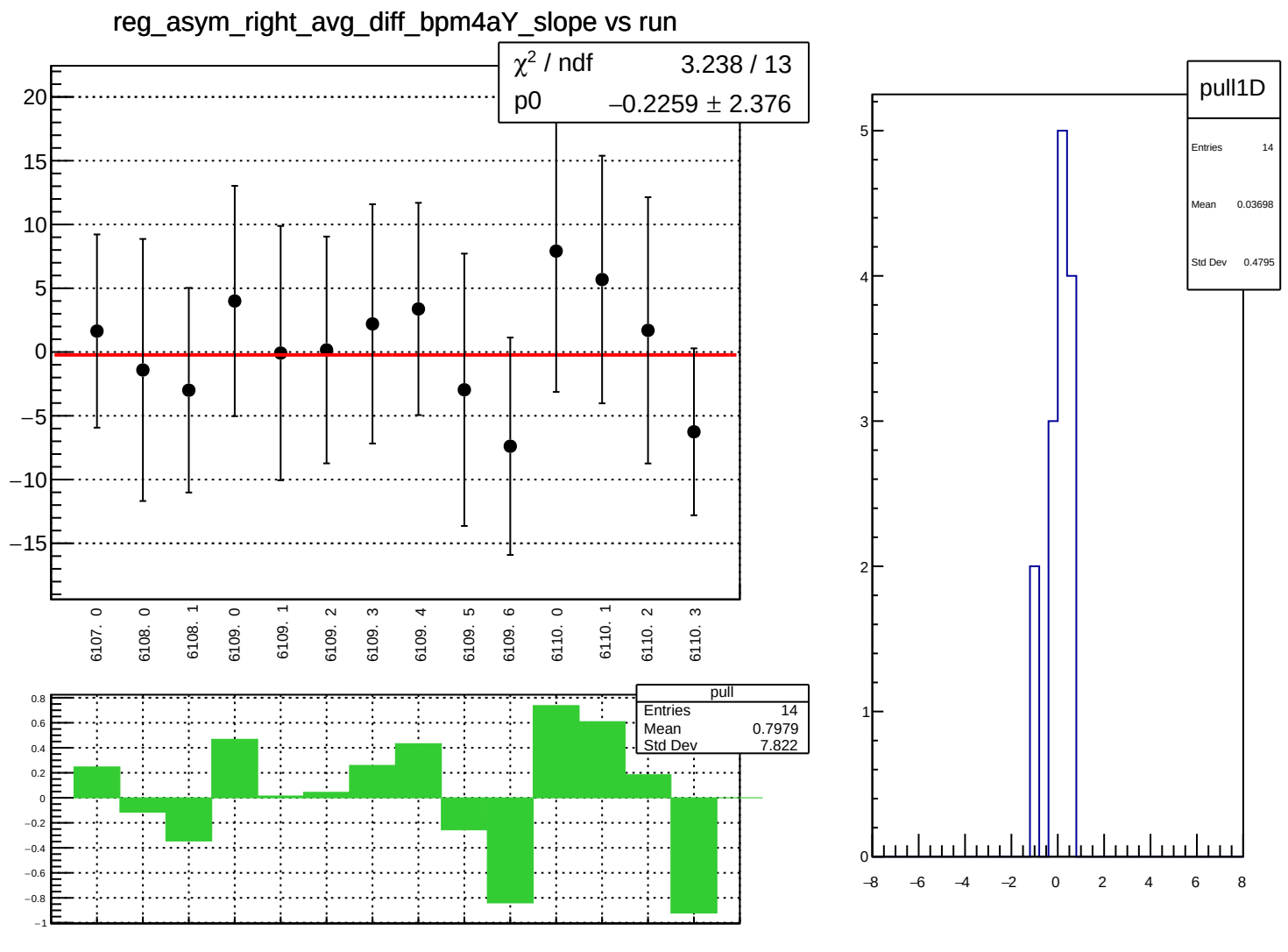

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.364 / 13
p0 14.12 ± 10.47
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.384e+04
Std Dev 5.384e+04
1
0.5
0
−0.5
−1
−1.5
−2

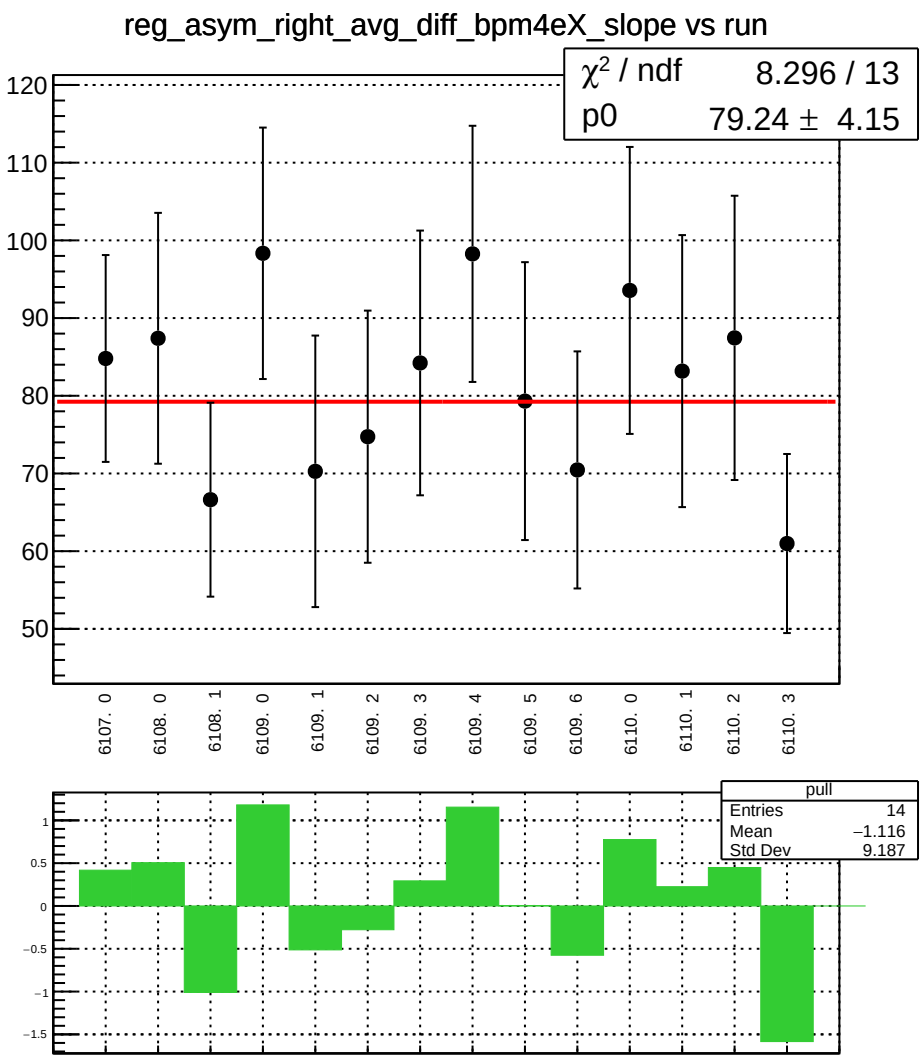

pull1D
Entries 14
Mean 1.871e−05
Std Dev 0.8178
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

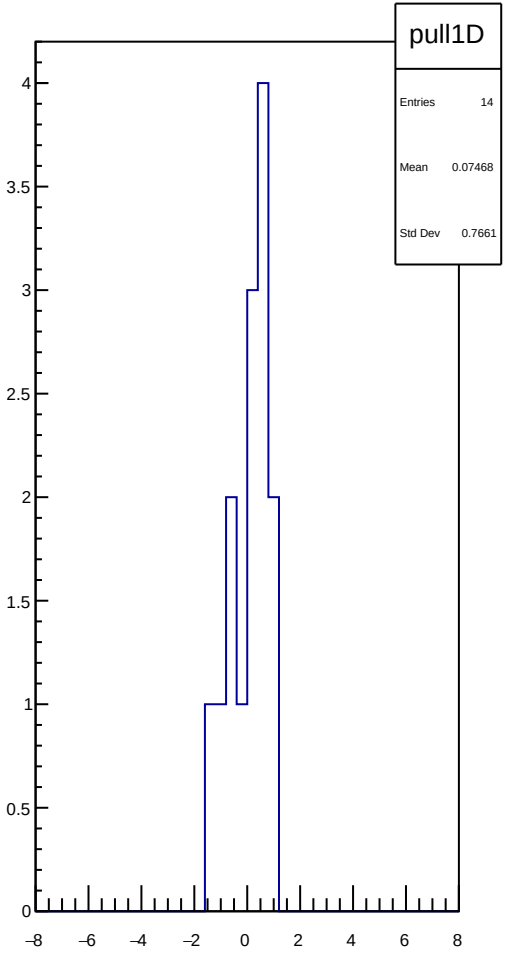

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 13.63 / 13
p0 −3.879 ± 0.7402
4
2
0
−2
−4
−6
−8
−10
−12
−14
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −7.988
Std Dev 16.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.06719
Std Dev 0.9844
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

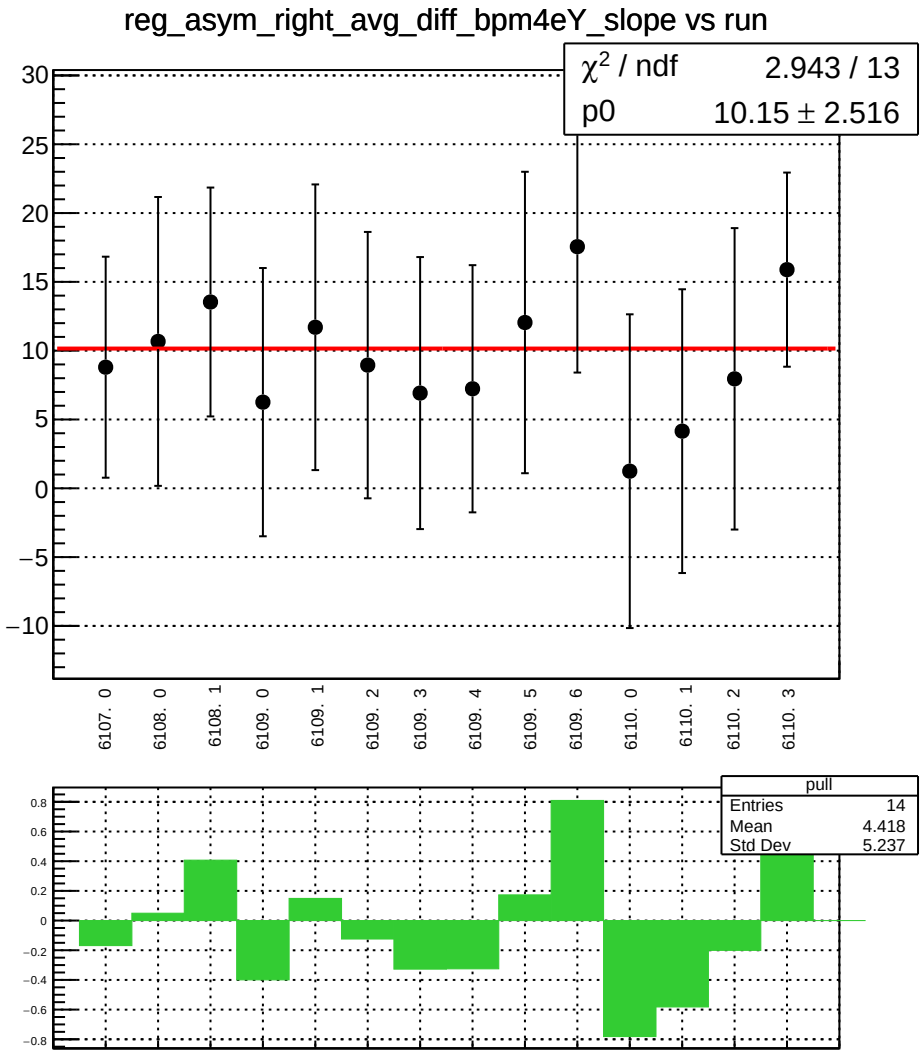

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.538 / 13
p0 −39.59 ± 3.567
−10
−20
−30
−40
−50
−60
−70
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.5635
Std Dev 8.737
1.5
1
0.5
0
−0.5
−1

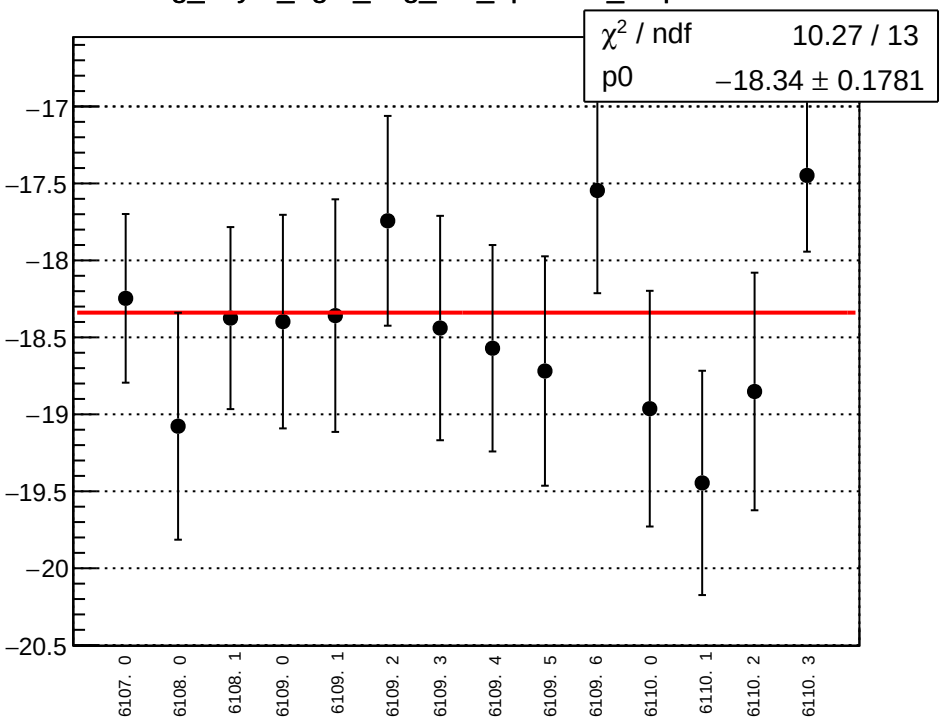

pull1D
Entries 14
Mean −0.07699
Std Dev 0.7771
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

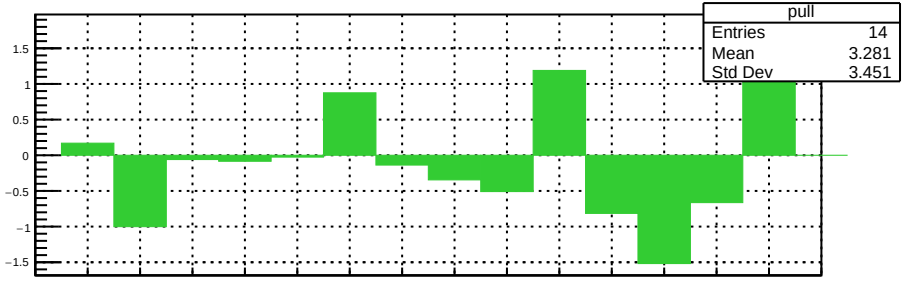

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.238 / 13
p0 −0.2259 ± 2.376
20
15
10
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0.7979
Std Dev 7.822
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 14
Mean 0.03698
Std Dev 0.4795
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

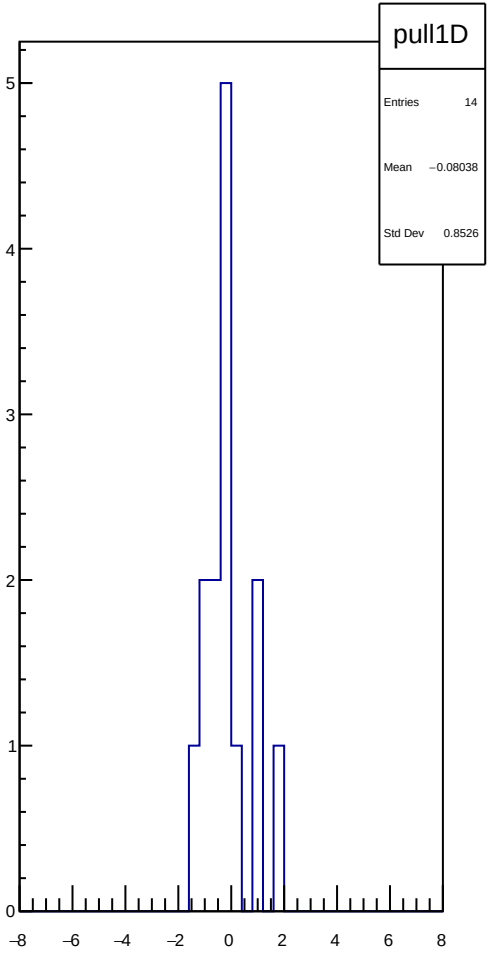

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.296 / 13
p0 79.24 ± 4.15
120
110
100
90
80
70
60
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −1.116
Std Dev 9.187
1
0.5
0
−0.5
−1
−1.5

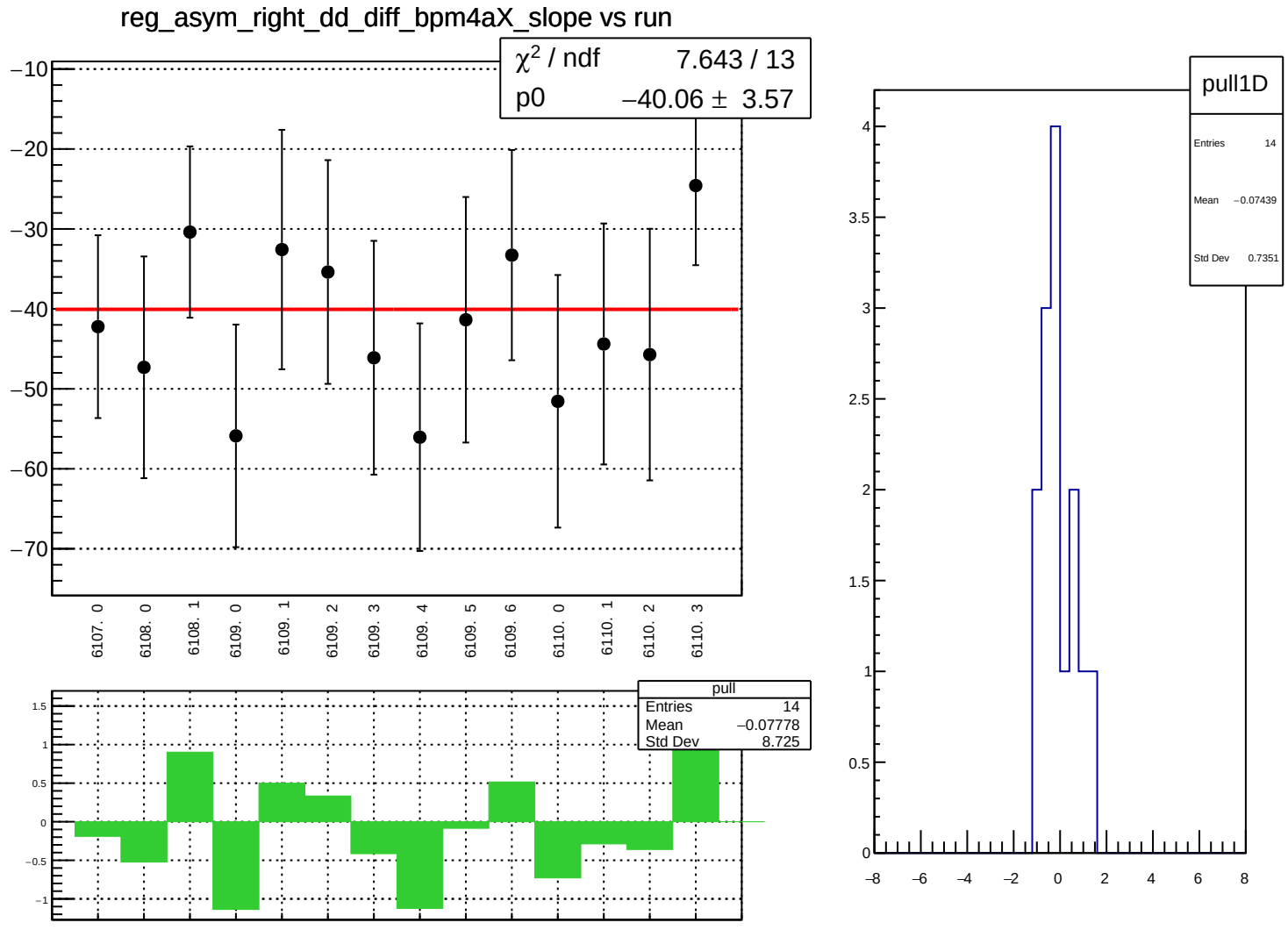

pull1D
Entries 14
Mean 0.07468
Std Dev 0.7661
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

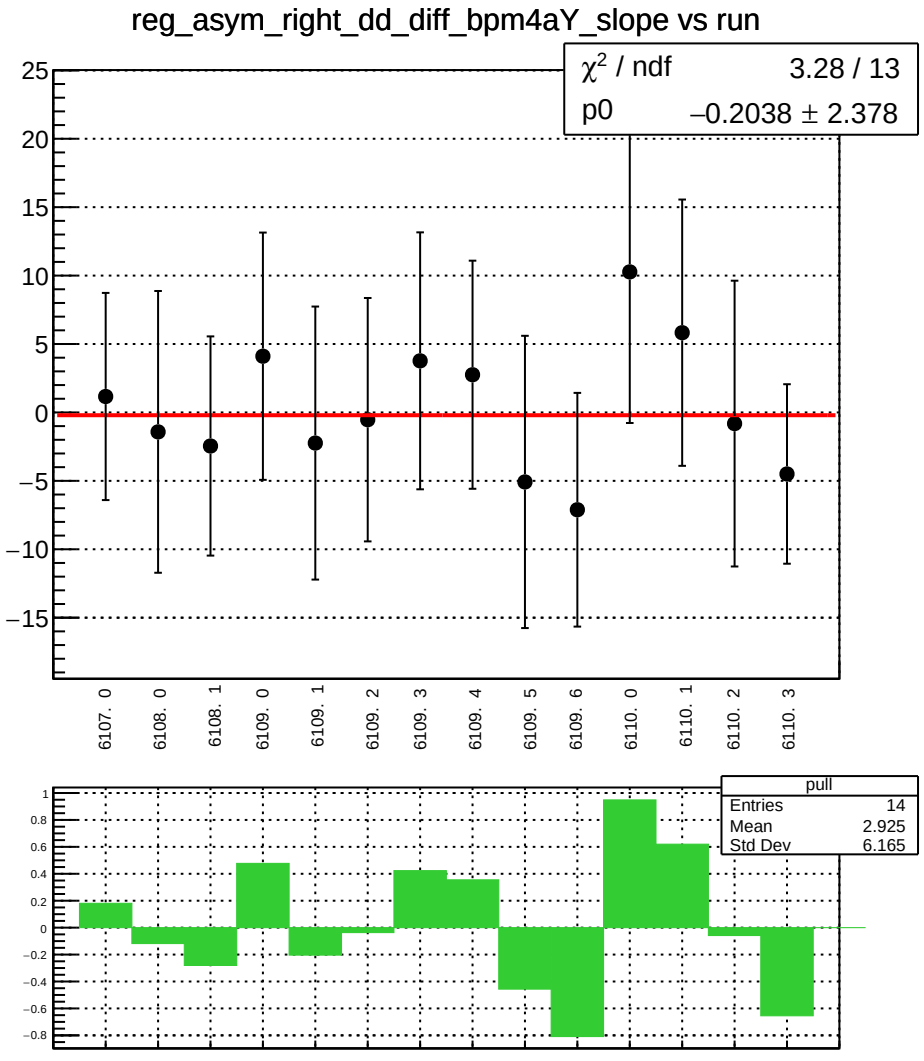

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.943 / 13
p0 10.15 ± 2.516
30
25
20
15
10
5
0
−5
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 4.418
Std Dev 5.237
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 14
Mean −0.03635
Std Dev 0.457
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

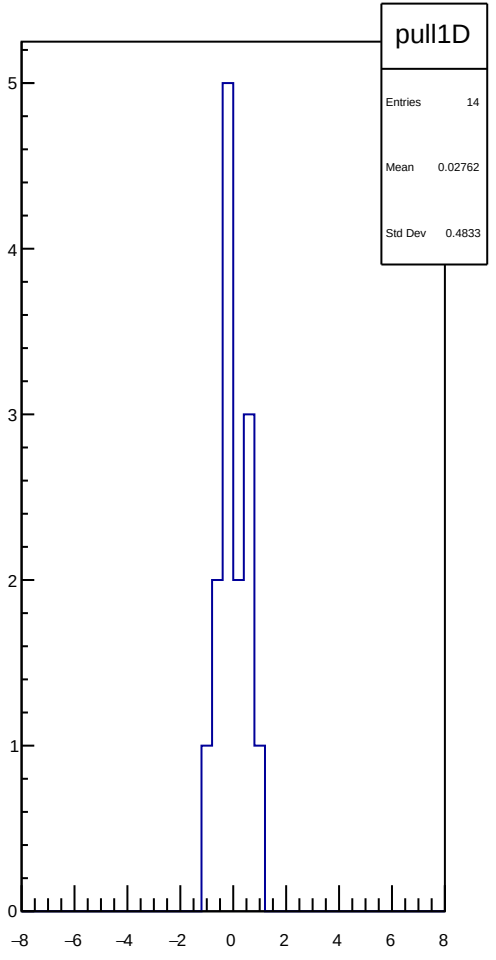

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 10.27 / 13
p0 −18.34 ± 0.1781
−17
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

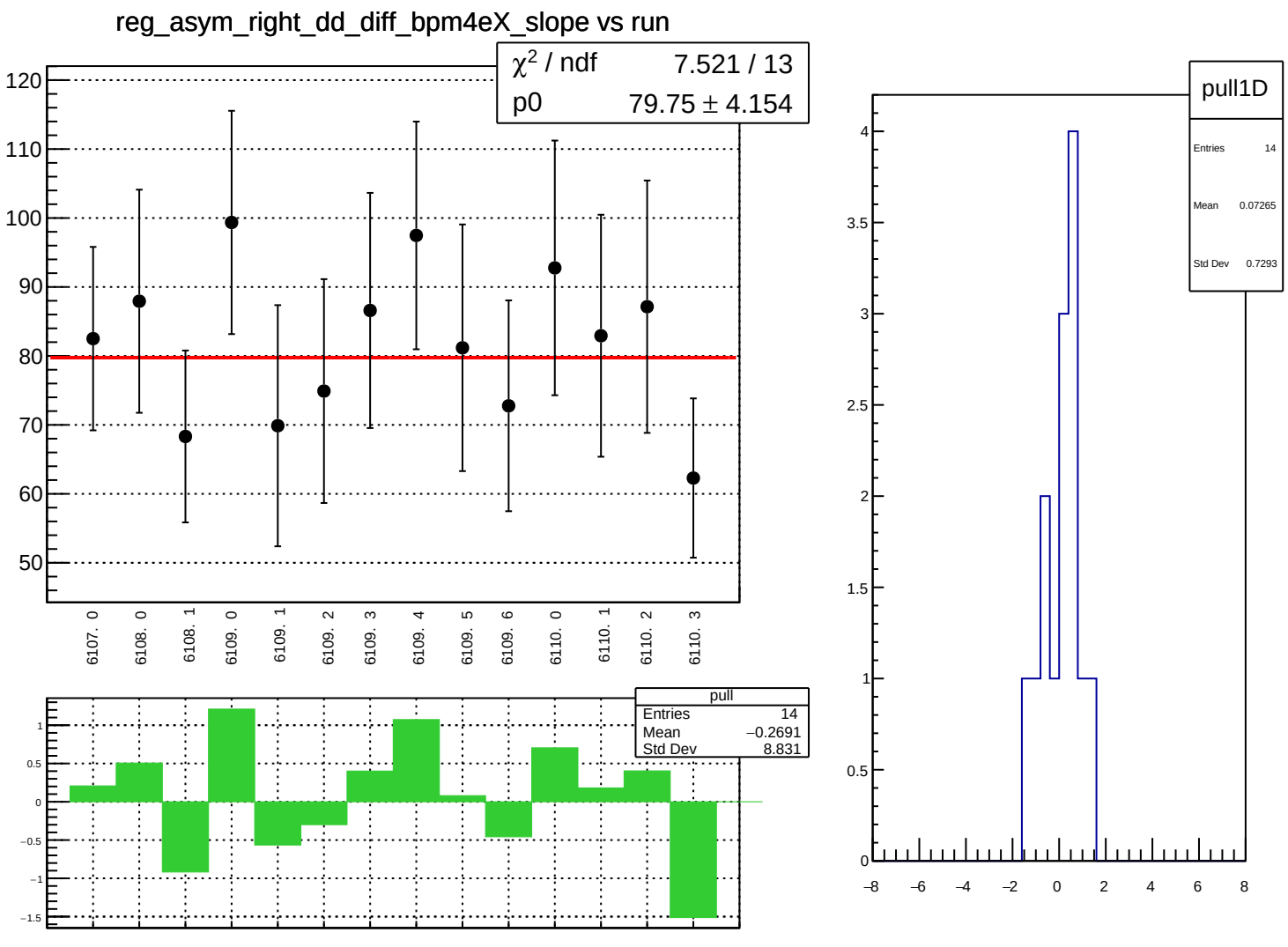

pull
Entries 14
Mean 3.281
Std Dev 3.451
1.5
1
0.5
0
−0.5
−1
−1.5

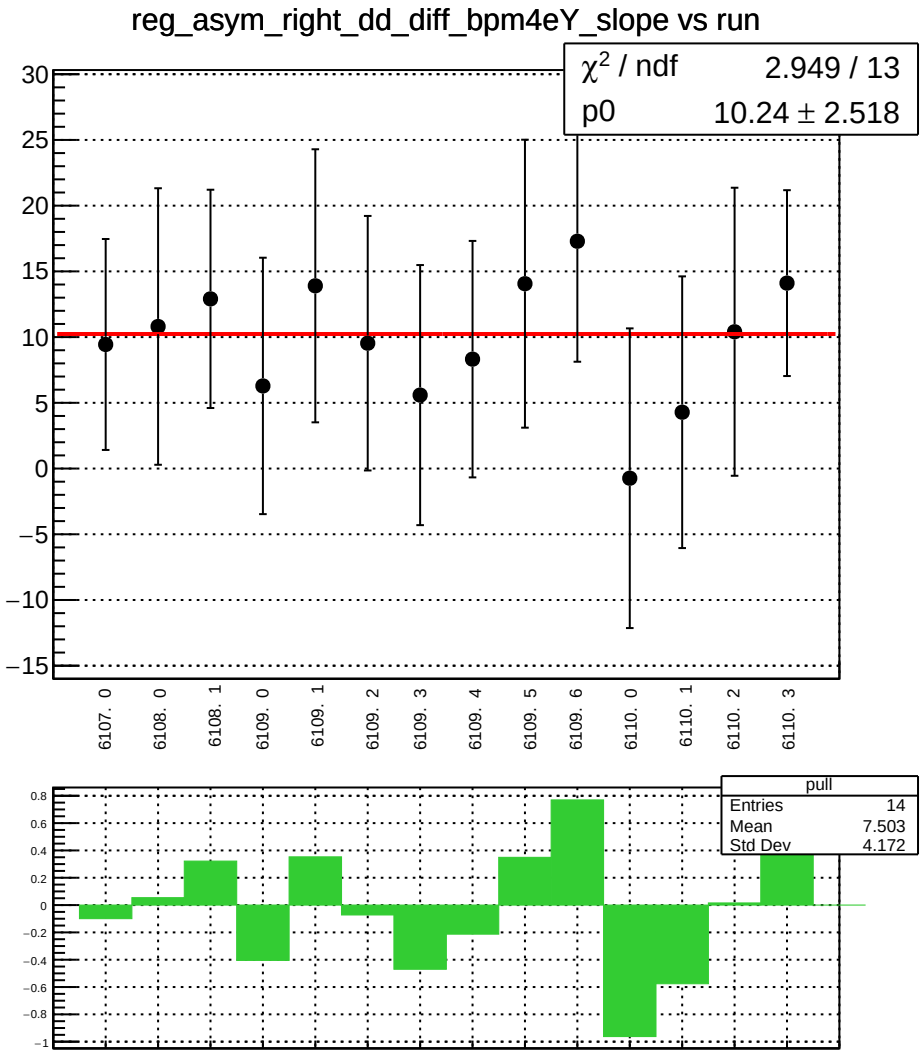

pull1D
Entries 14
Mean −0.08038
Std Dev 0.8526
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

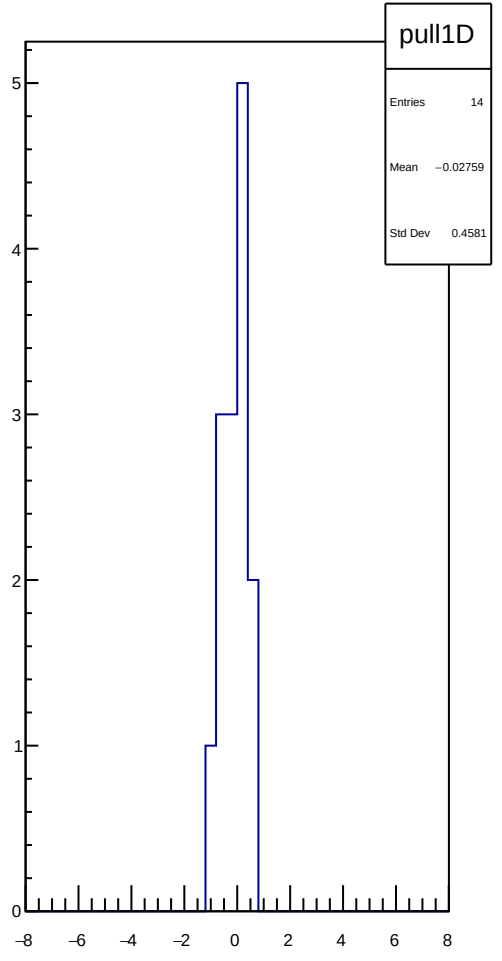

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.643 / 13
p0 −40.06 ± 3.57
−10
−20
−30
−40
−50
−60
−70
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.07778
Std Dev 8.725
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean −0.07439
Std Dev 0.7351
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

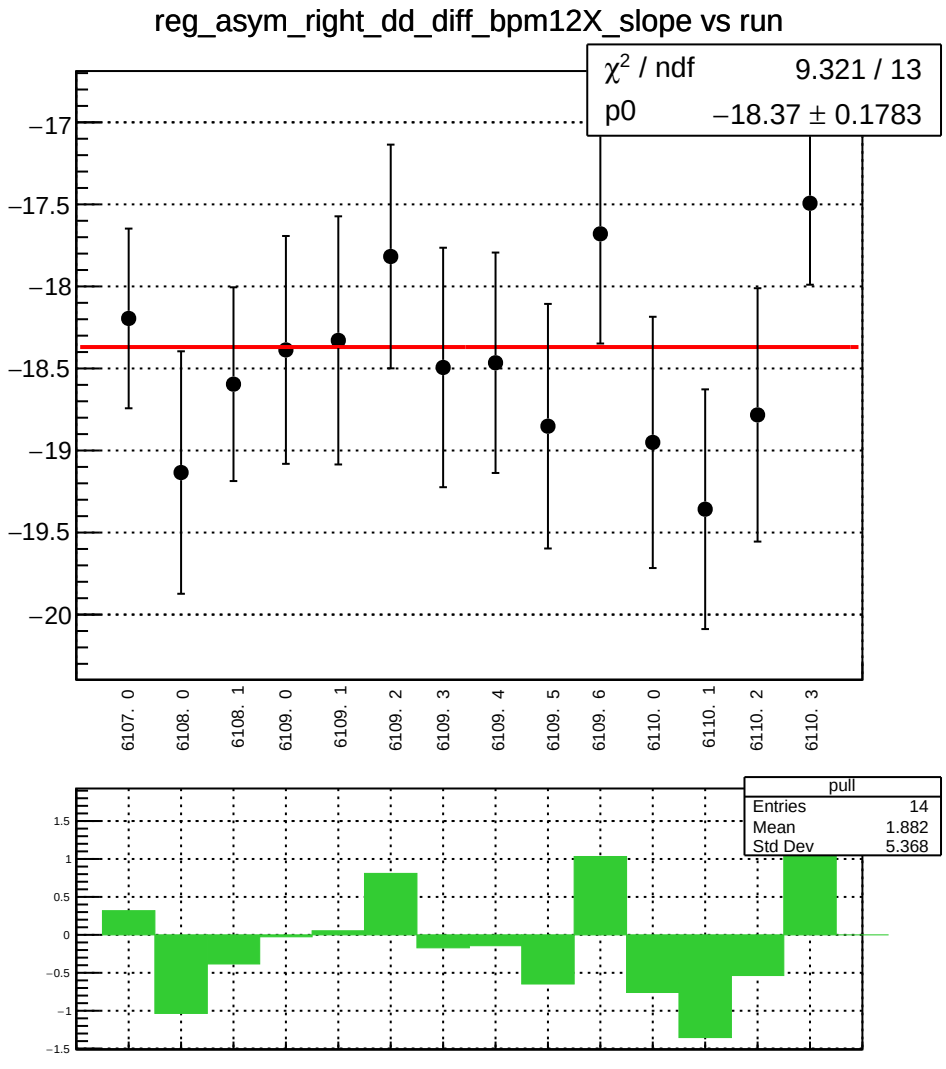

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.28 / 13
p0 −0.2038 ± 2.378
25
20
15
10
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 2.925
Std Dev 6.165
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

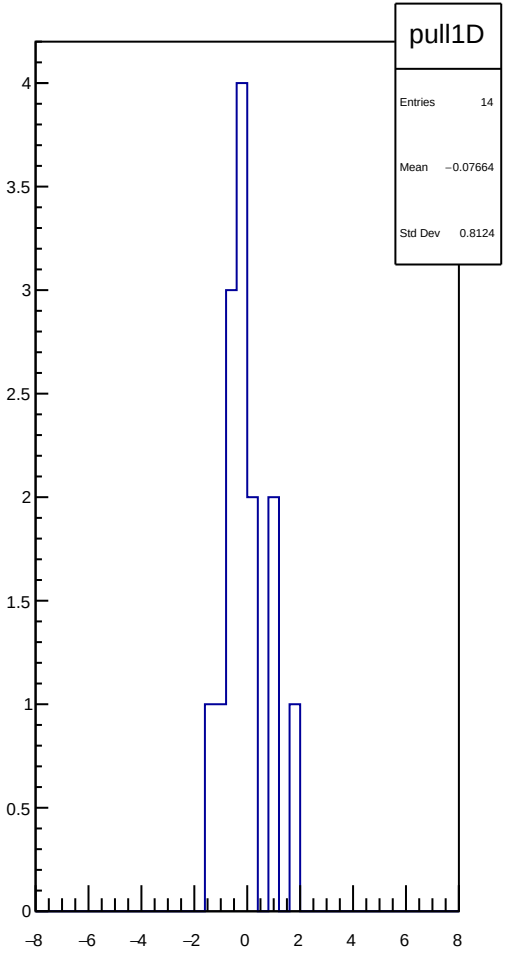

pull1D
Entries 14
Mean 0.02762
Std Dev 0.4833
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

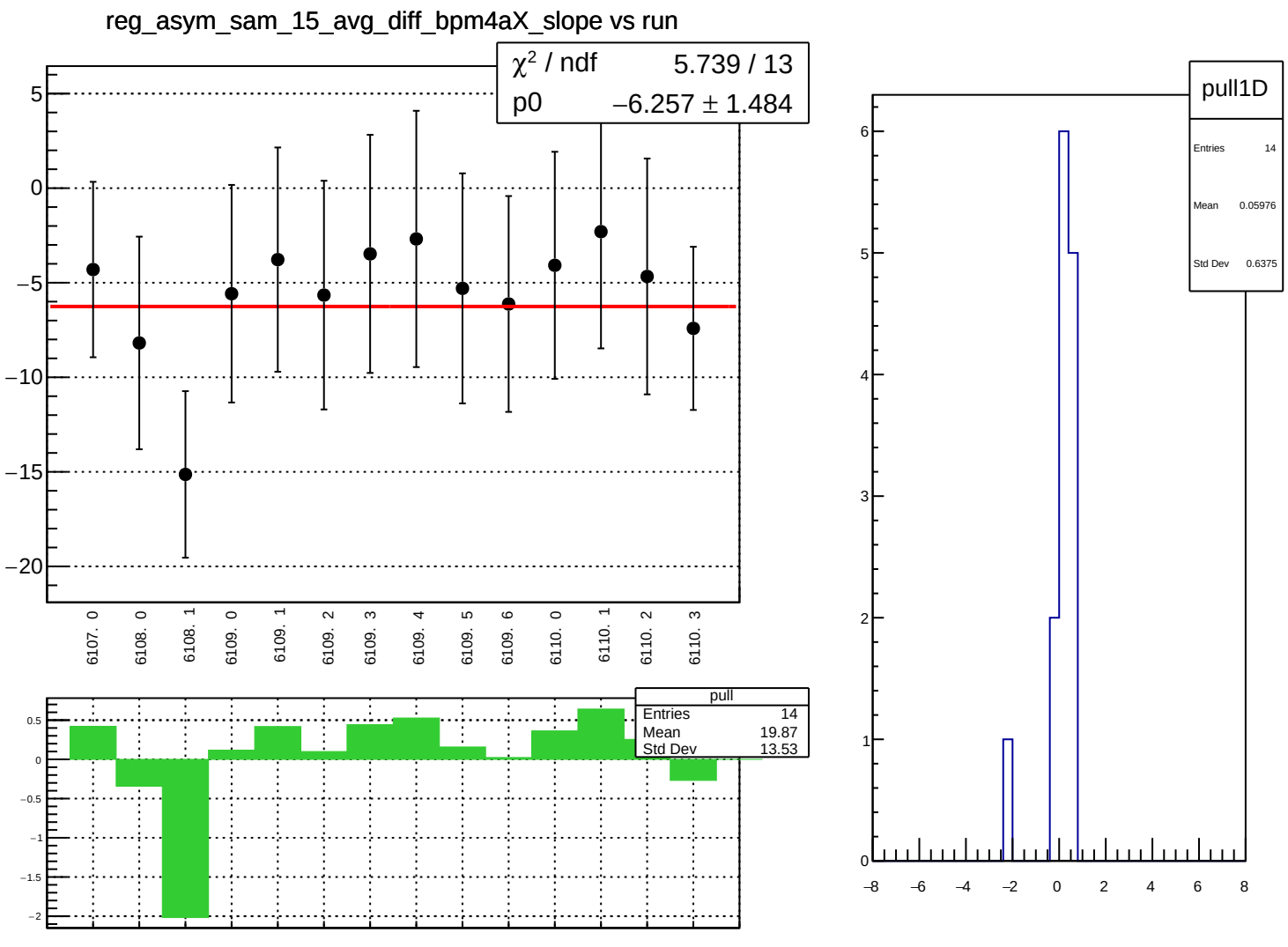

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.521 / 13
p0 79.75 ± 4.154
120
110
100
90
80
70
60
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.2691
Std Dev 8.831
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.07265
Std Dev 0.7293
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

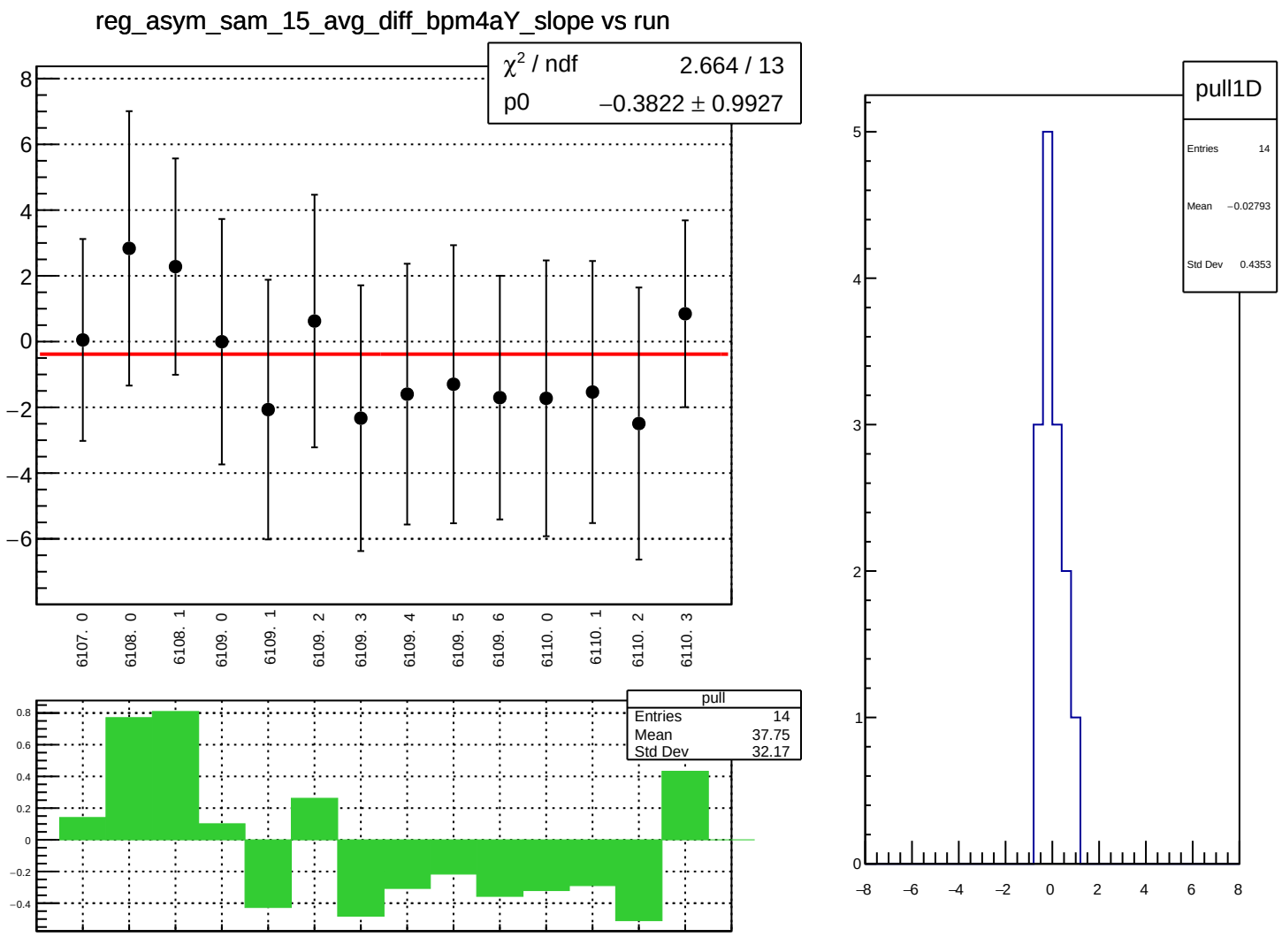

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.949 / 13
p0 10.24 ± 2.518
30
25
20
15
10
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 7.503
Std Dev 4.172
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

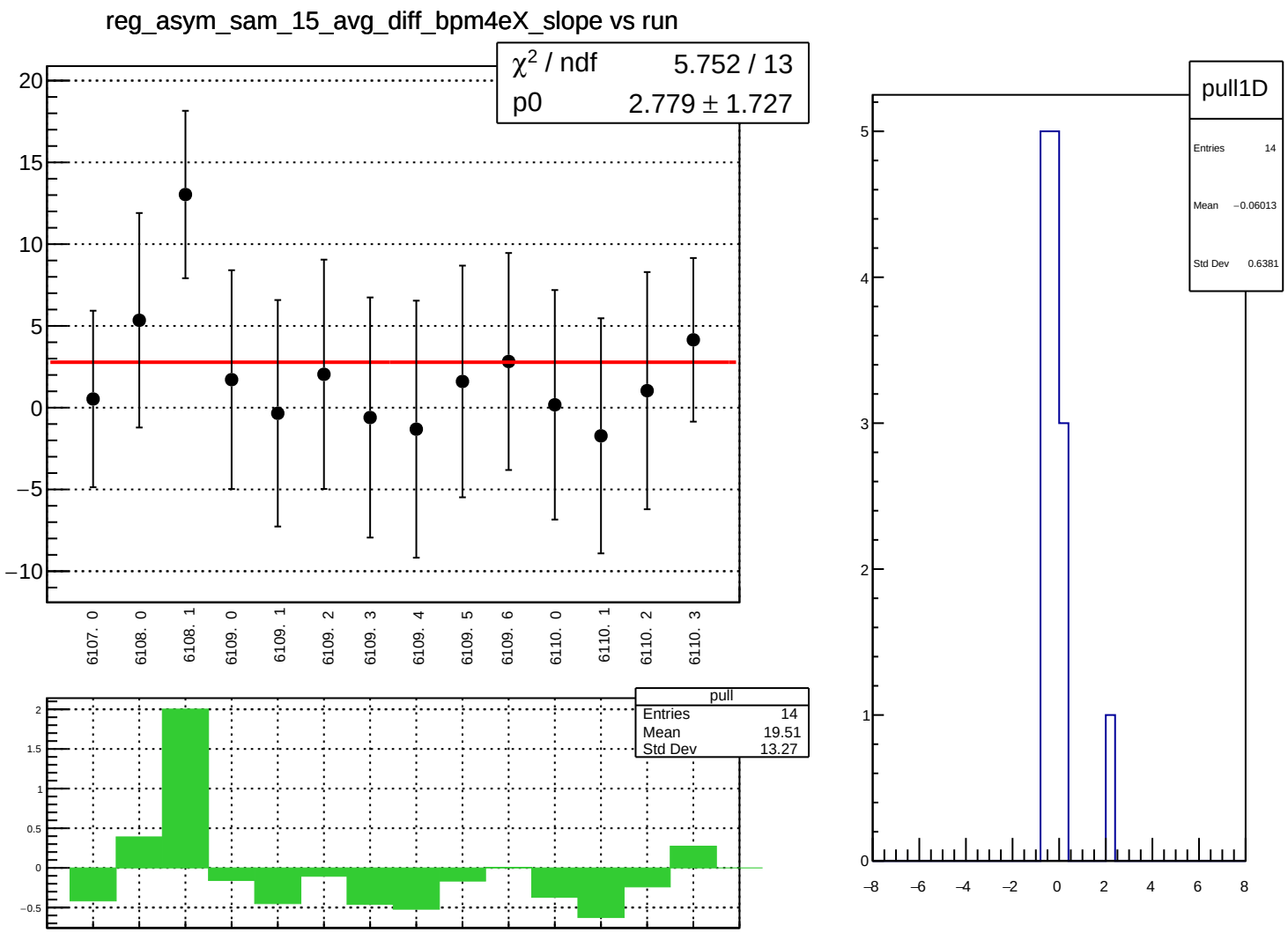

pull1D
Entries 14
Mean −0.02759
Std Dev 0.4581
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

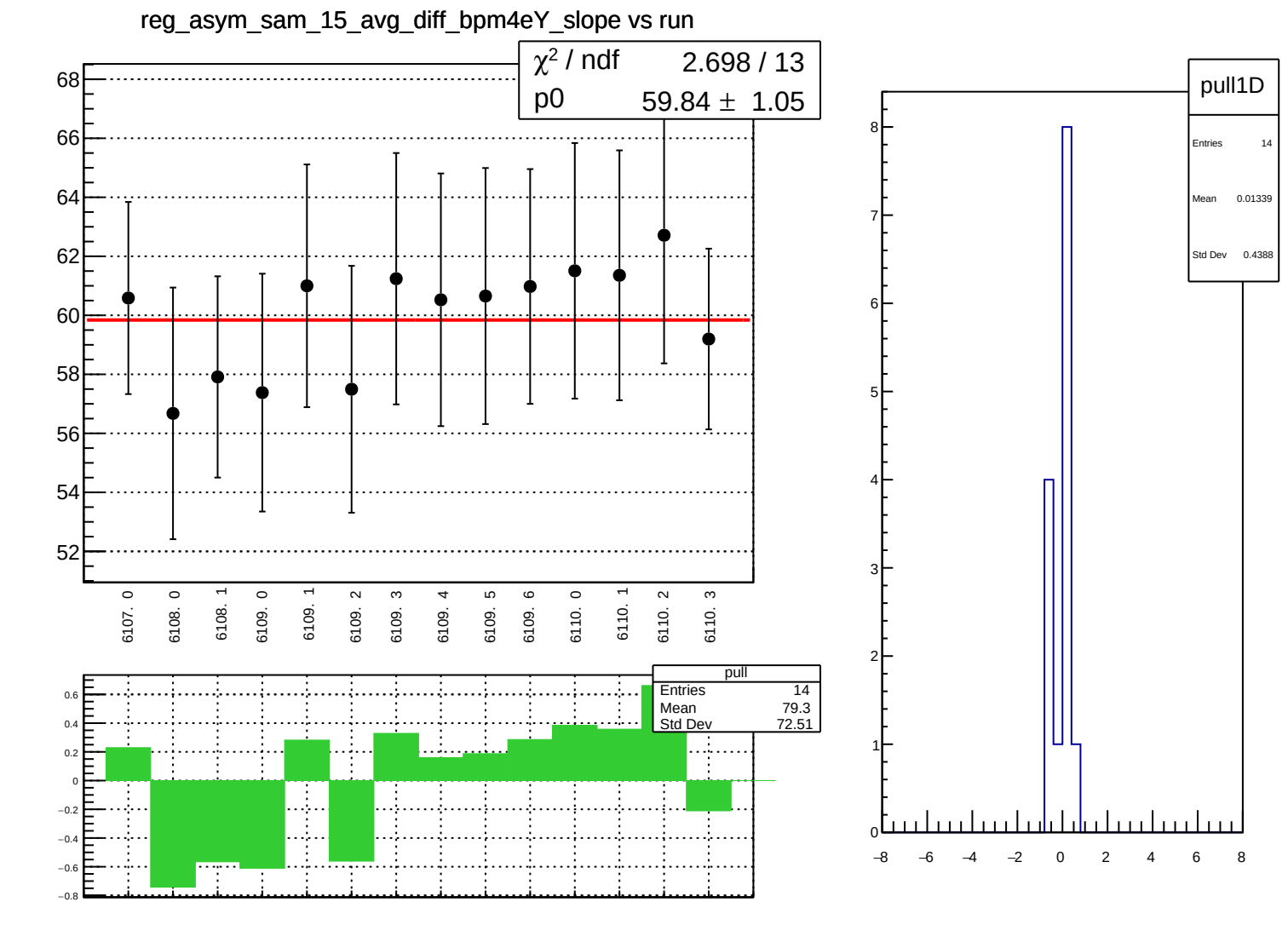

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 9.321 / 13
p0 −18.37 ± 0.1783
−17
−17.5
−18
−18.5
−19
−19.5
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1.882
Std Dev 5.368
1.5
1
0.5
0
−0.5
−1
−1.5

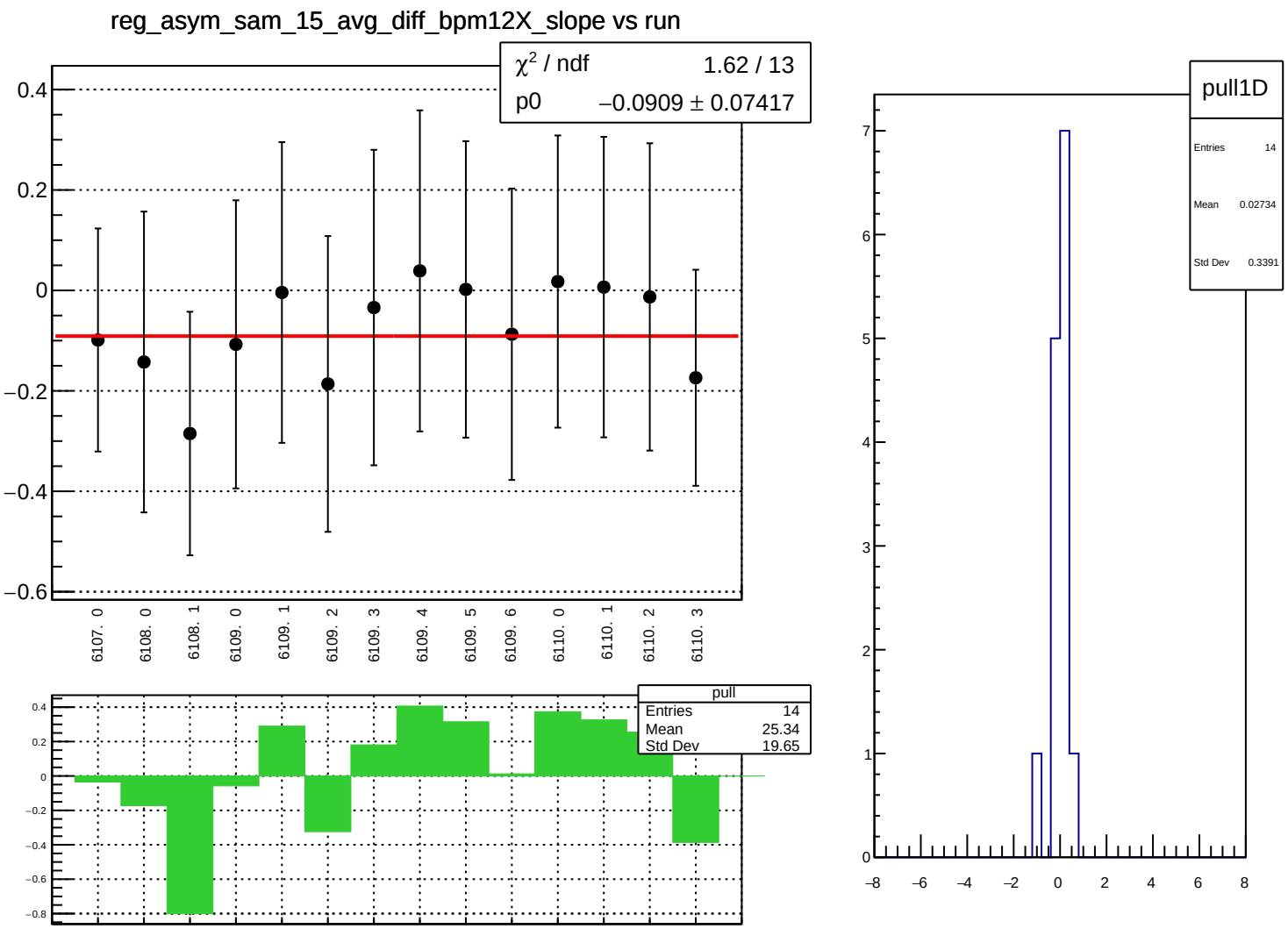

pull1D
Entries 14
Mean −0.07664
Std Dev 0.8124
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

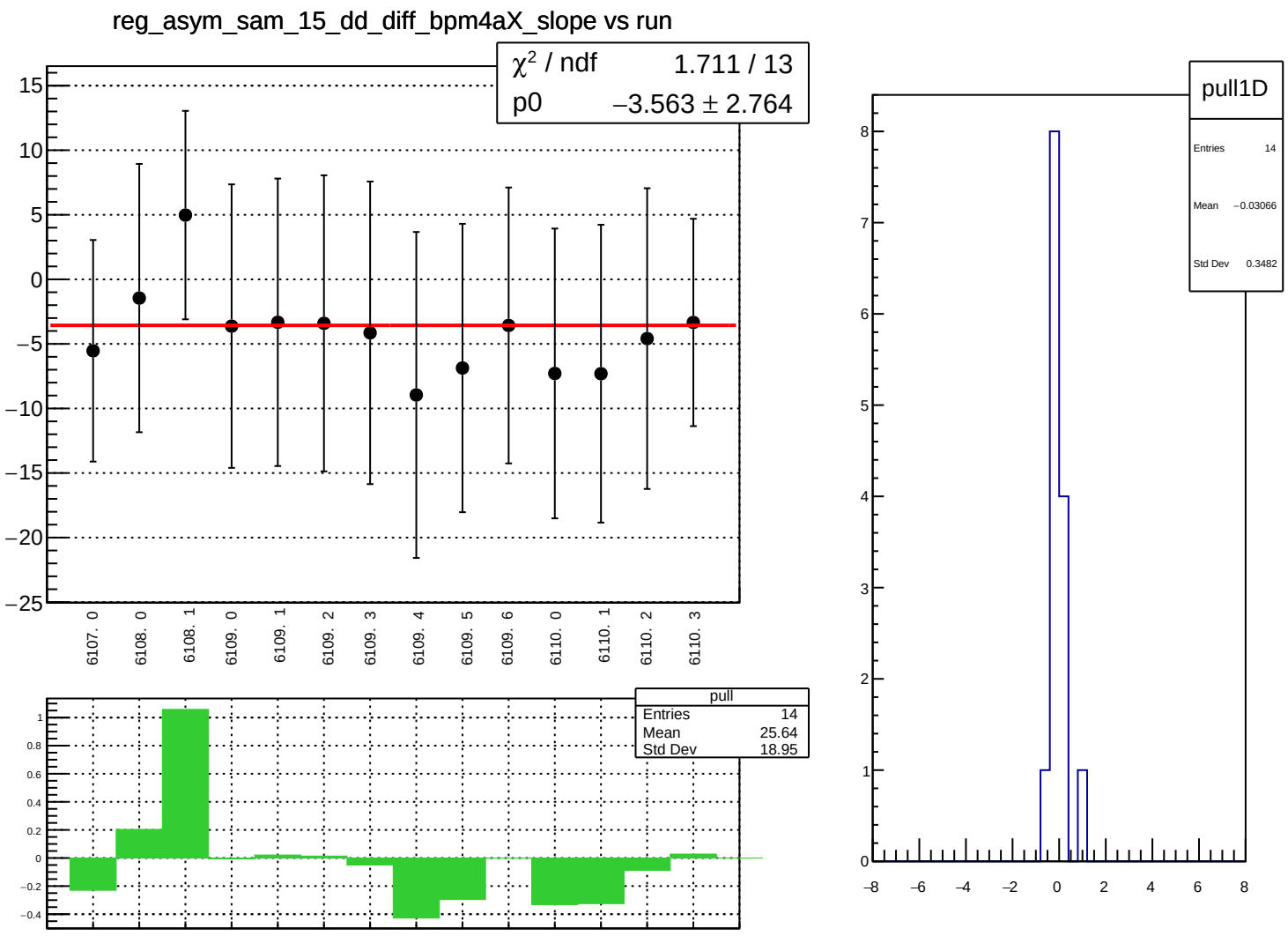

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.739 / 13
p0 −6.257 ± 1.484
5
0
−5
−10
−15
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.87
Std Dev 13.53
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.05976
Std Dev 0.6375
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

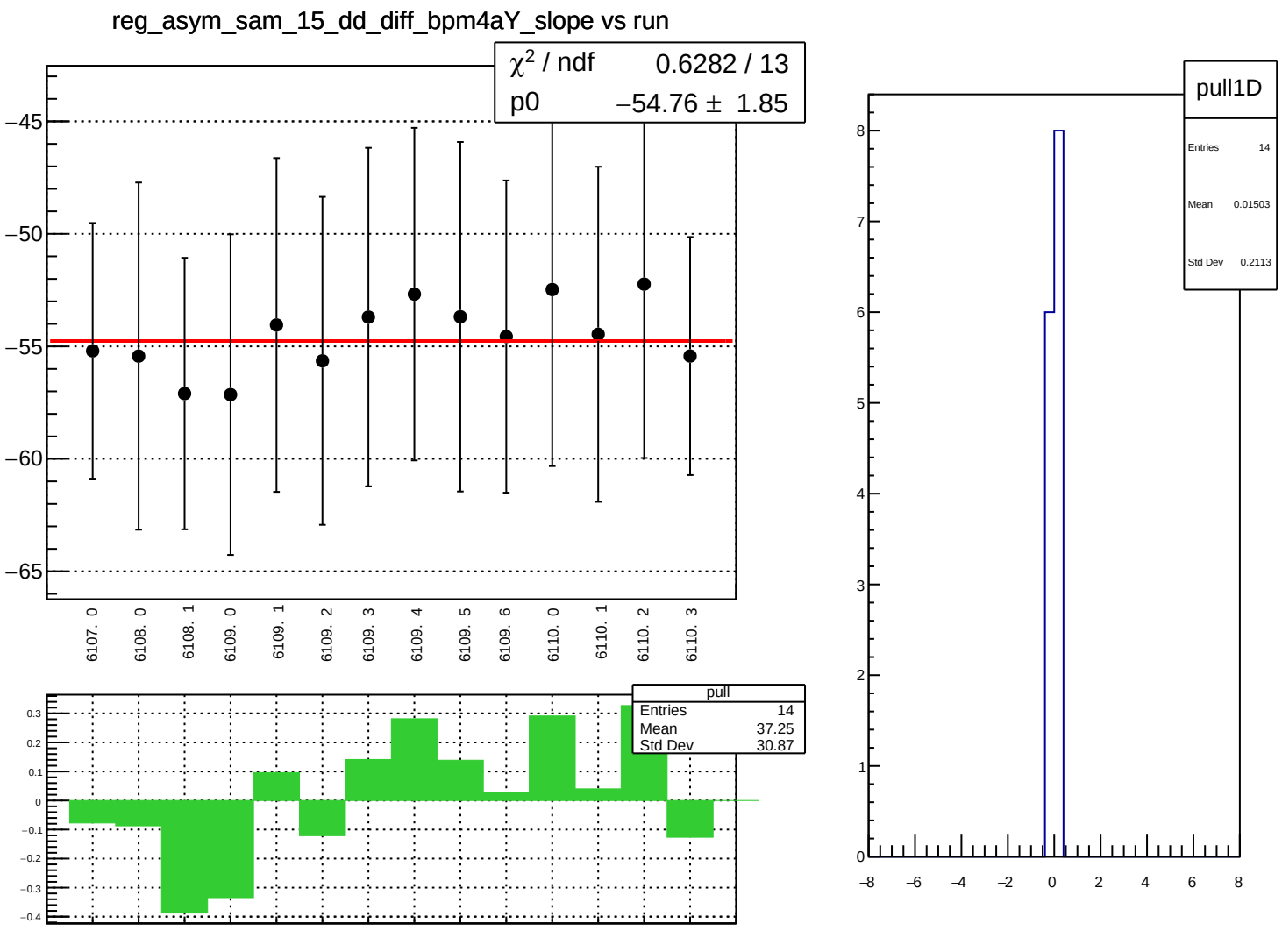

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.664 / 13
p0 −0.3822 ± 0.9927
8
6
4
2
0
−2
−4
−6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 37.75
Std Dev 32.17
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.02793
Std Dev 0.4353
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

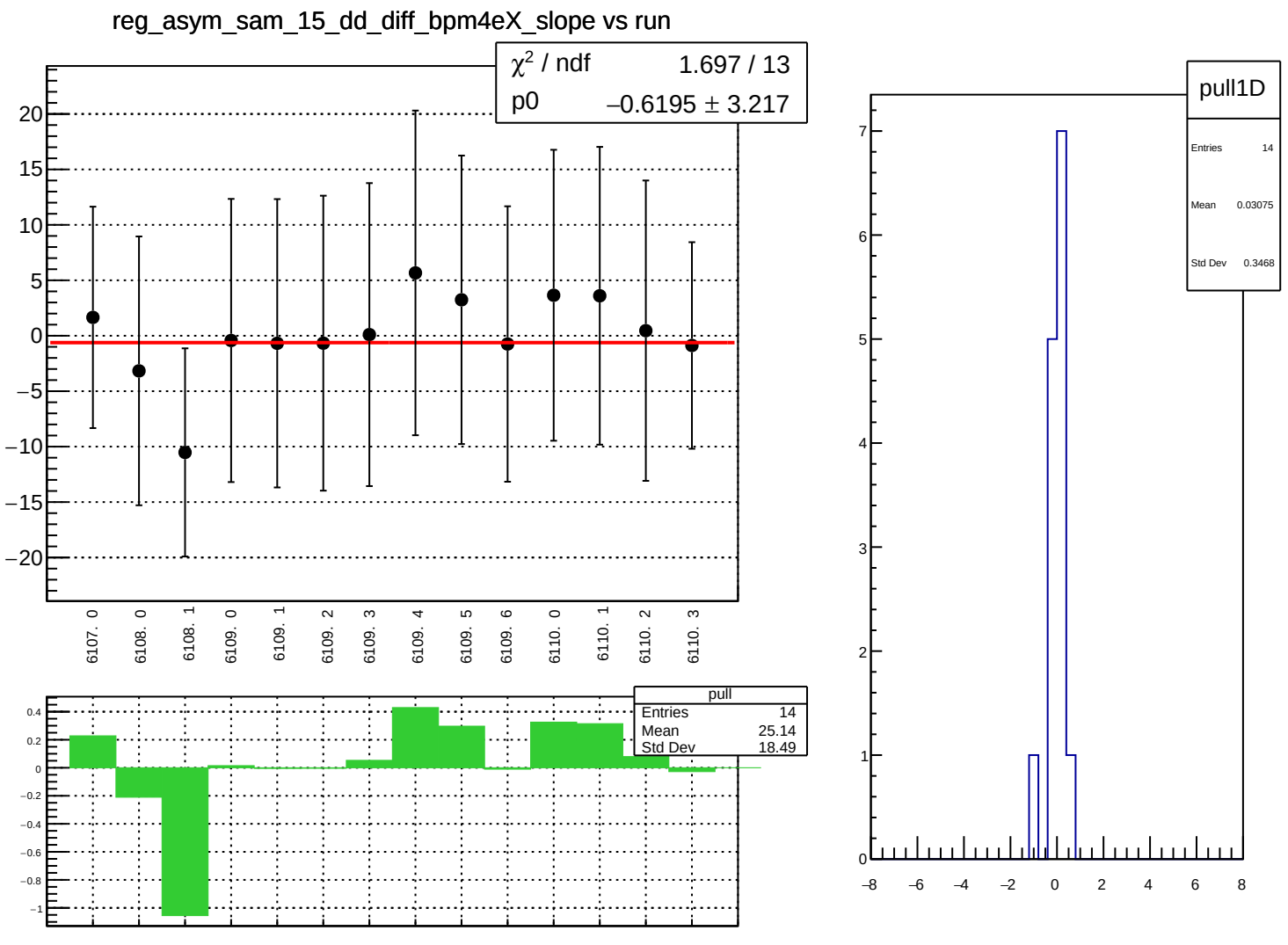

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.752 / 13
p0 2.779 ± 1.727
20
15
10
5
0
−5
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.51
Std Dev 13.27
2
1.5
1
0.5
0
−0.5
pull1D
Entries 14
Mean −0.06013
Std Dev 0.6381
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

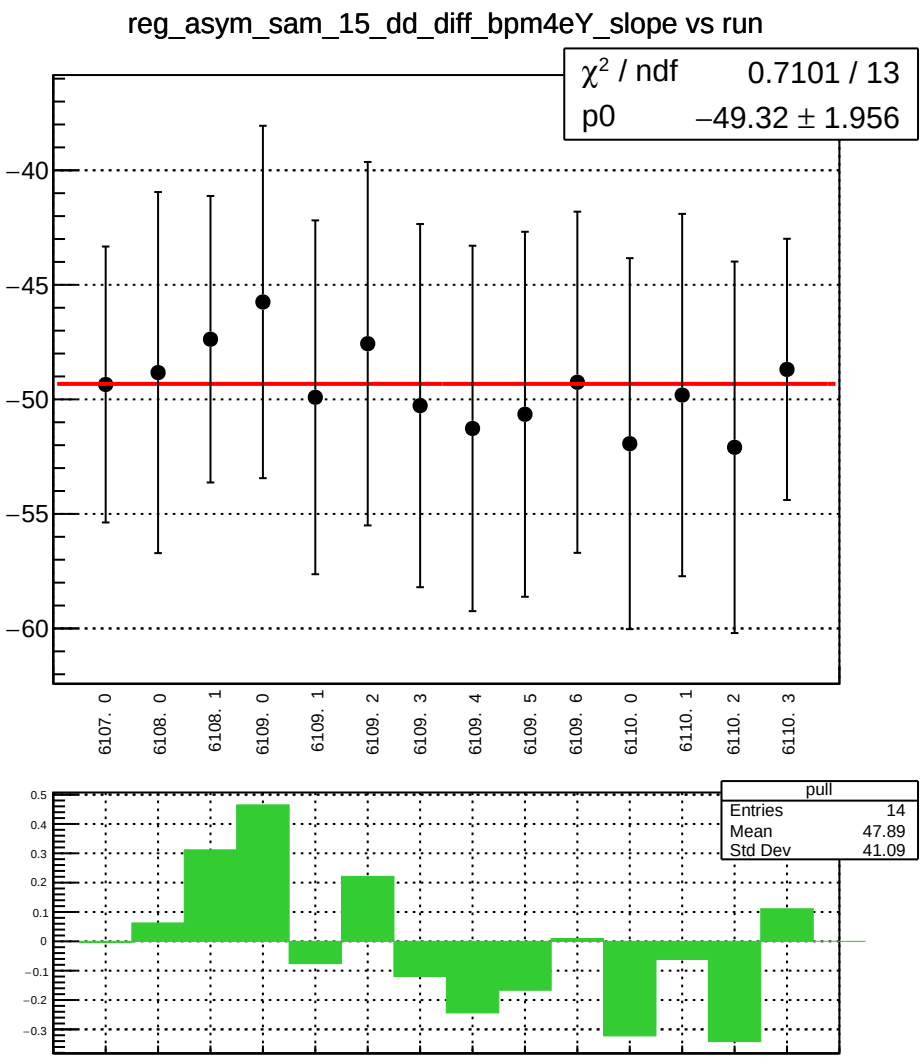

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.698 / 13
p0 59.84 ± 1.05
68
66
64
62
60
58
56
54
52
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 79.3
Std Dev 72.51
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 14
Mean 0.01339
Std Dev 0.4388
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

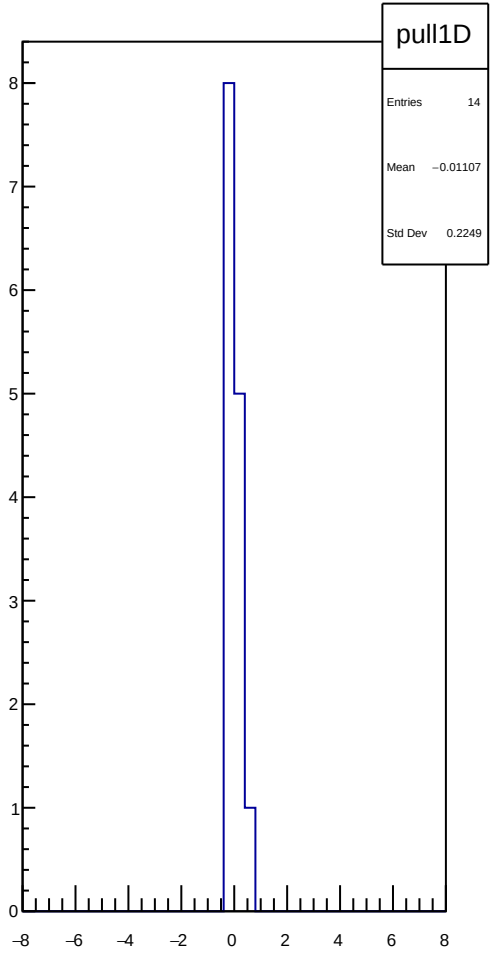

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 1.62 / 13
p0 −0.0909 ± 0.07417
0.4
0.2
0
−0.2
−0.4
−0.6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 25.34
Std Dev 19.65
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 14
Mean 0.02734
Std Dev 0.3391
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

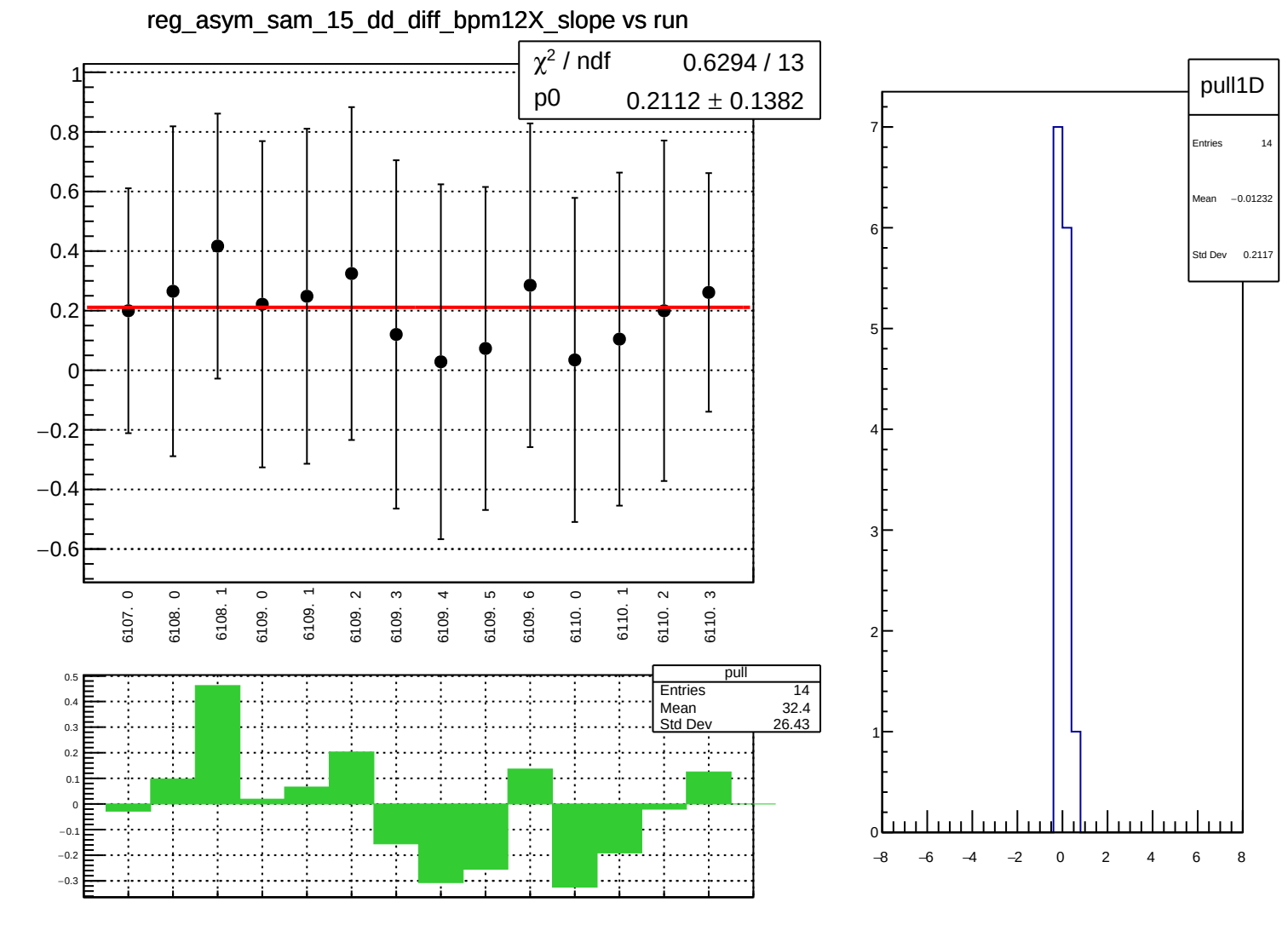

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.711 / 13
p0 −3.563 ± 2.764
15
10
5
0
−5
−10
−15
−20
−25
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 25.64
Std Dev 18.95
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.03066
Std Dev 0.3482
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

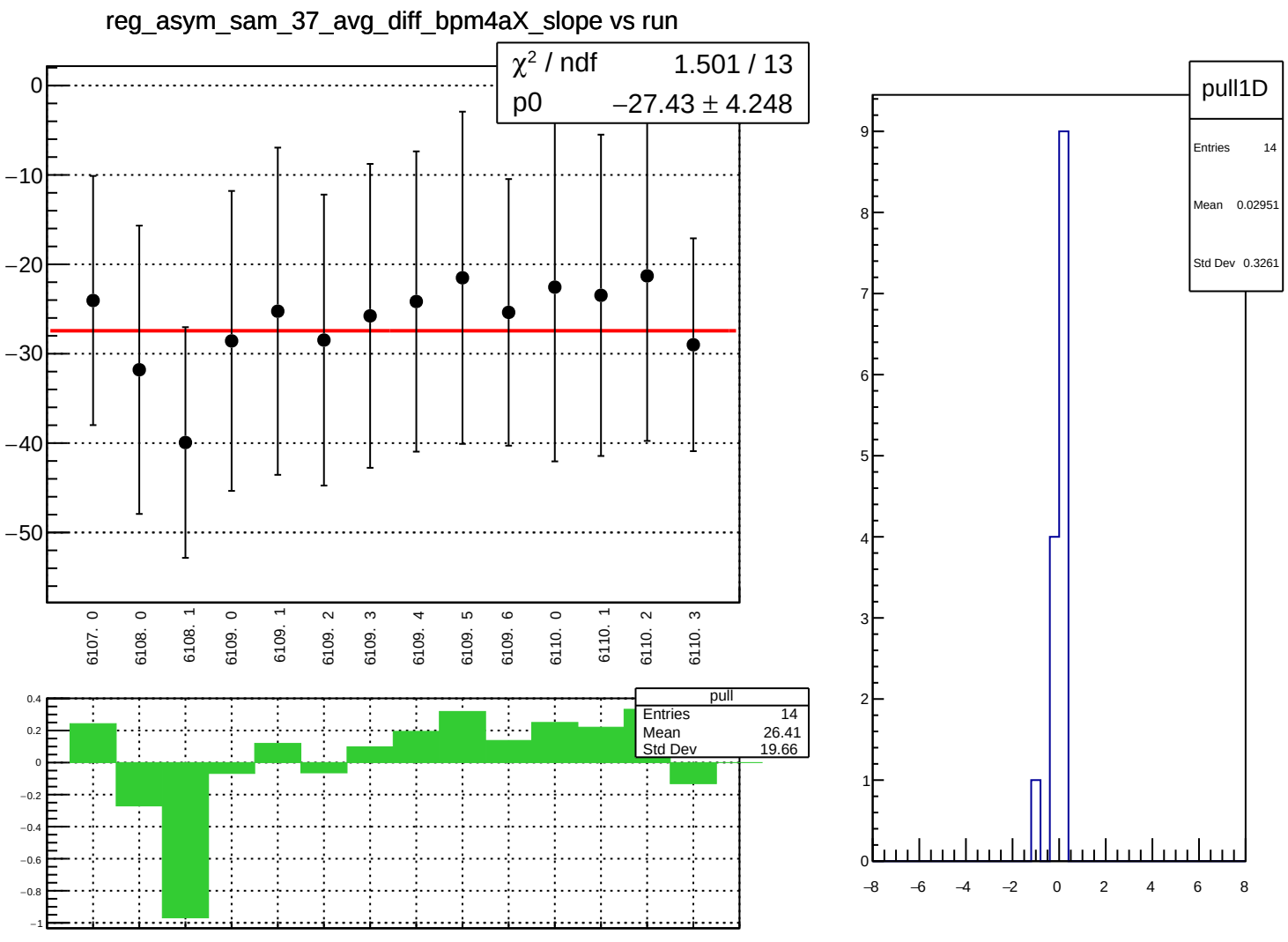

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.6282 / 13
p0 −54.76 ± 1.85
−45
−50
−55
−60
−65
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 37.25
Std Dev 30.87
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 14
Mean 0.01503
Std Dev 0.2113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

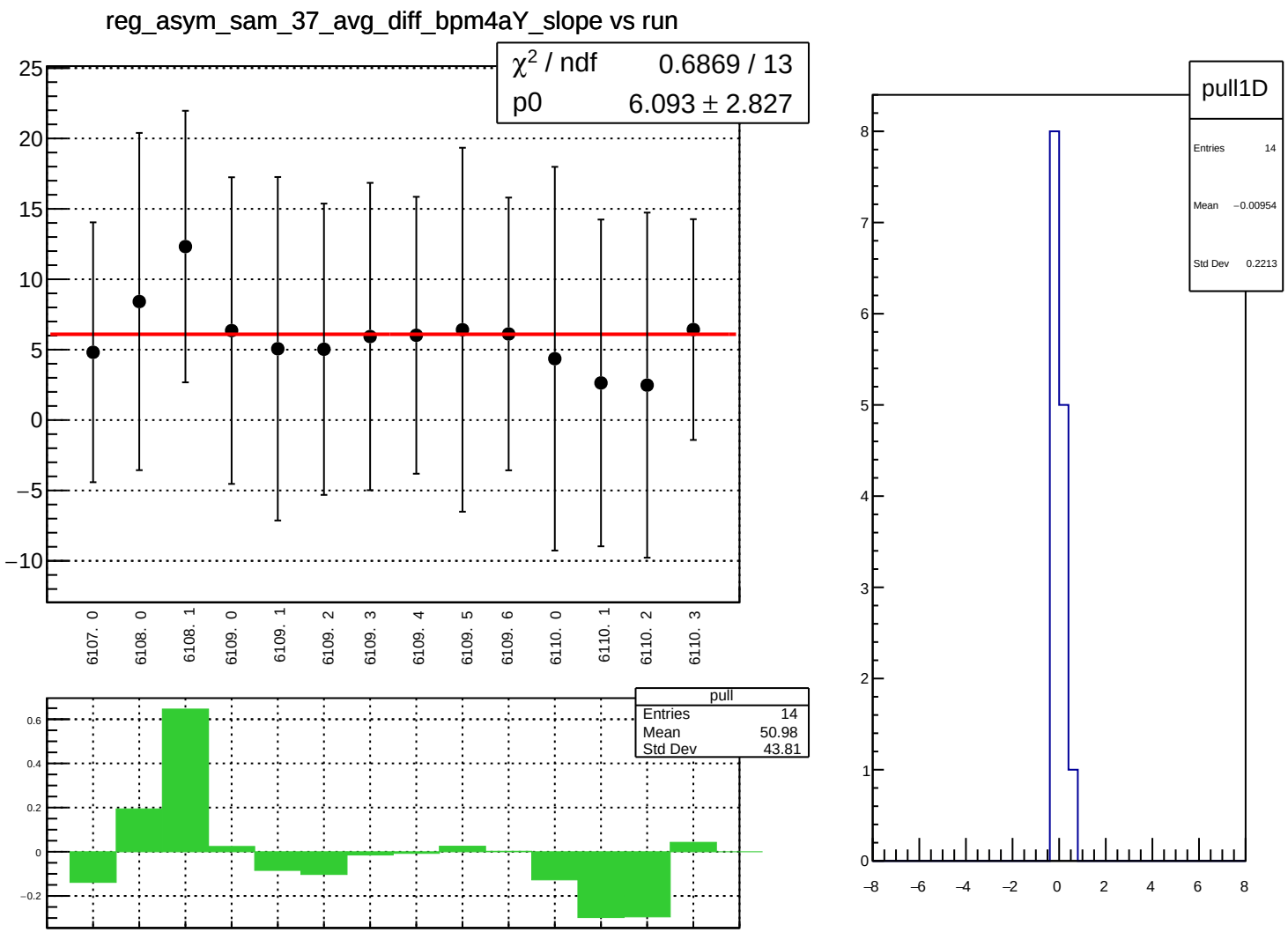

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.697 / 13
p0 −0.6195 ± 3.217
20
15
10
5
0
−5
−10
−15
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 25.14
Std Dev 18.49
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 14
Mean 0.03075
Std Dev 0.3468
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

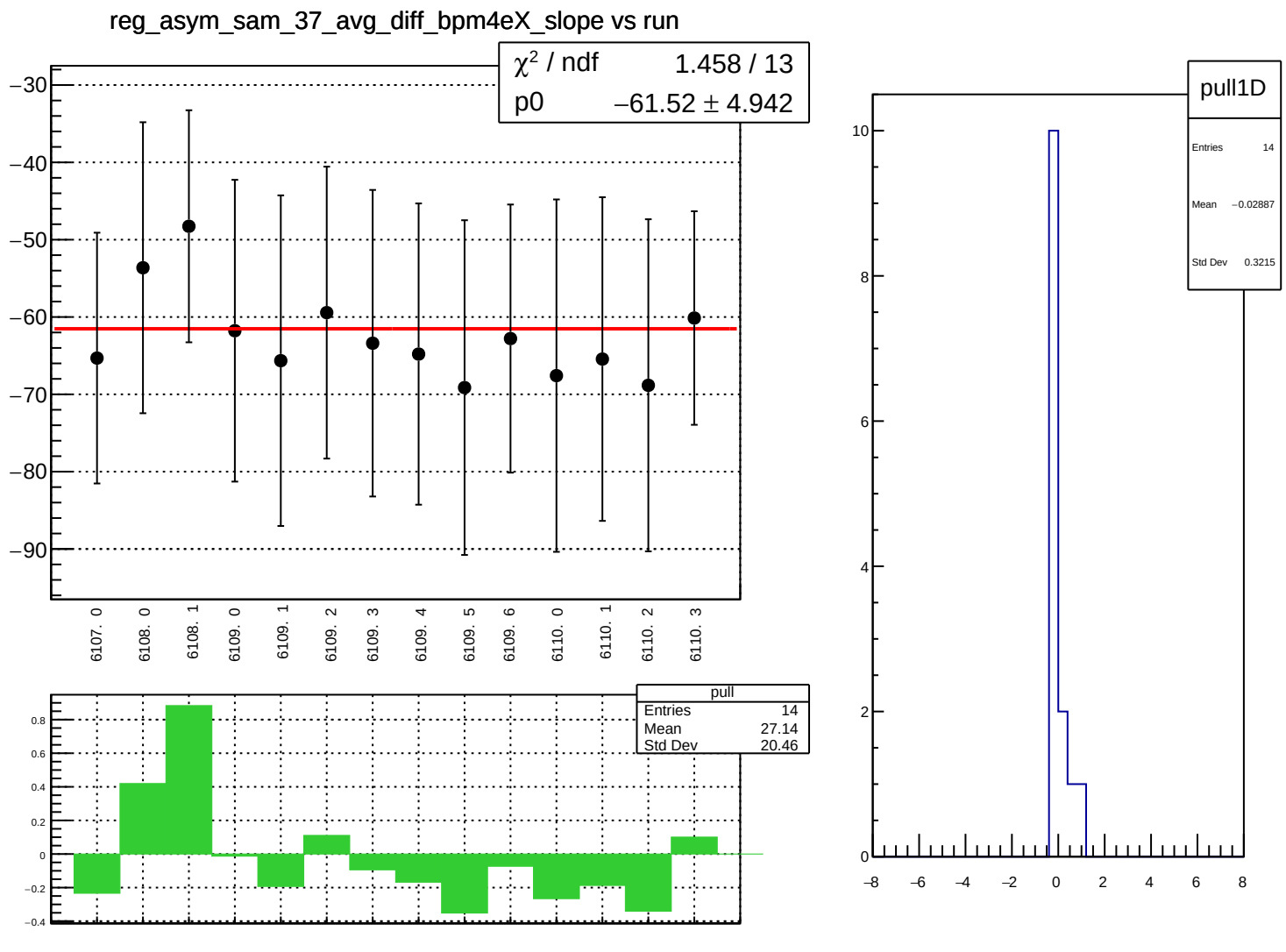

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7101 / 13
p0 −49.32 ± 1.956
−40
−45
−50
−55
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 47.89
Std Dev 41.09
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

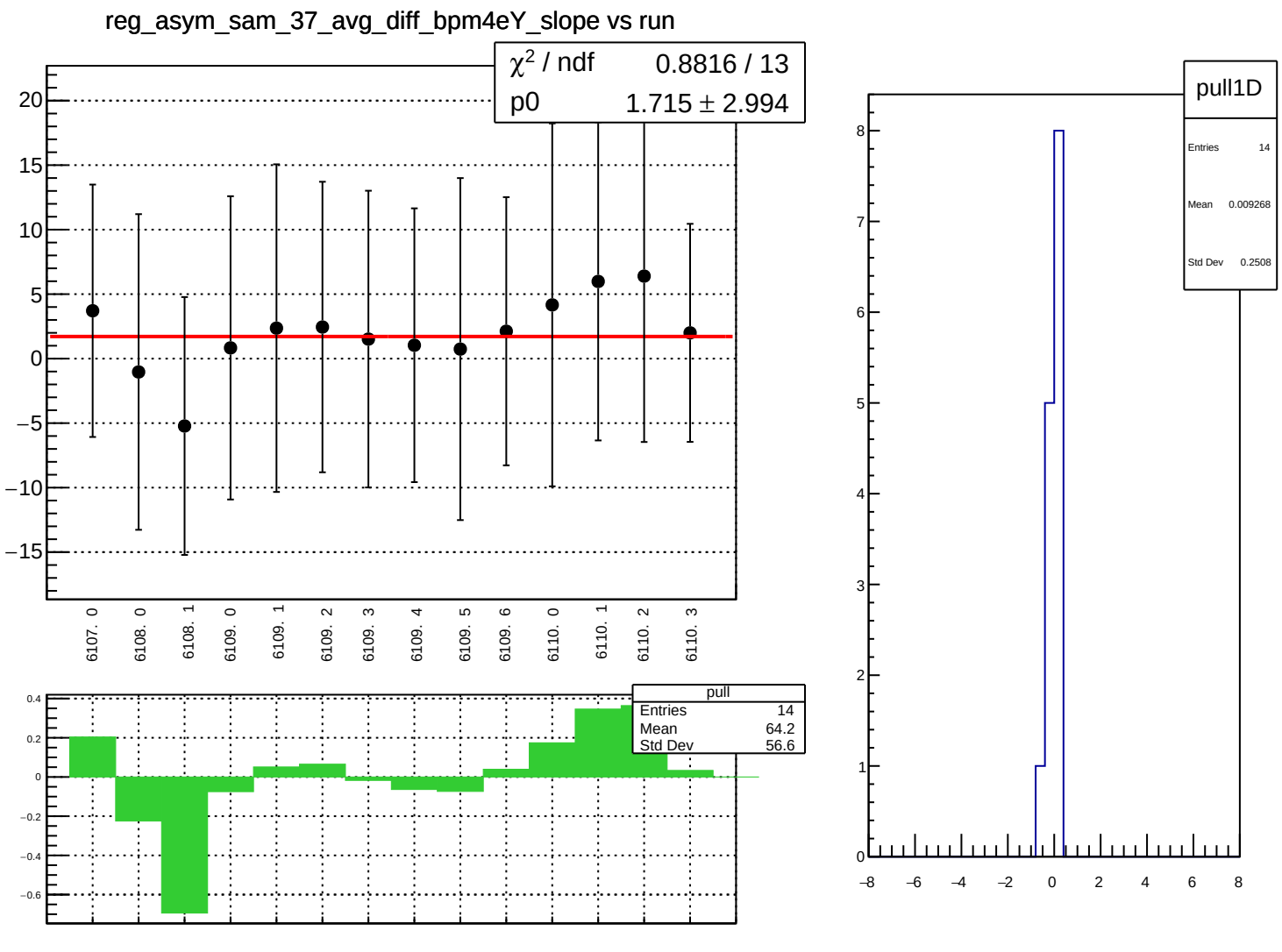

pull1D
Entries 14
Mean −0.01107
Std Dev 0.2249
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

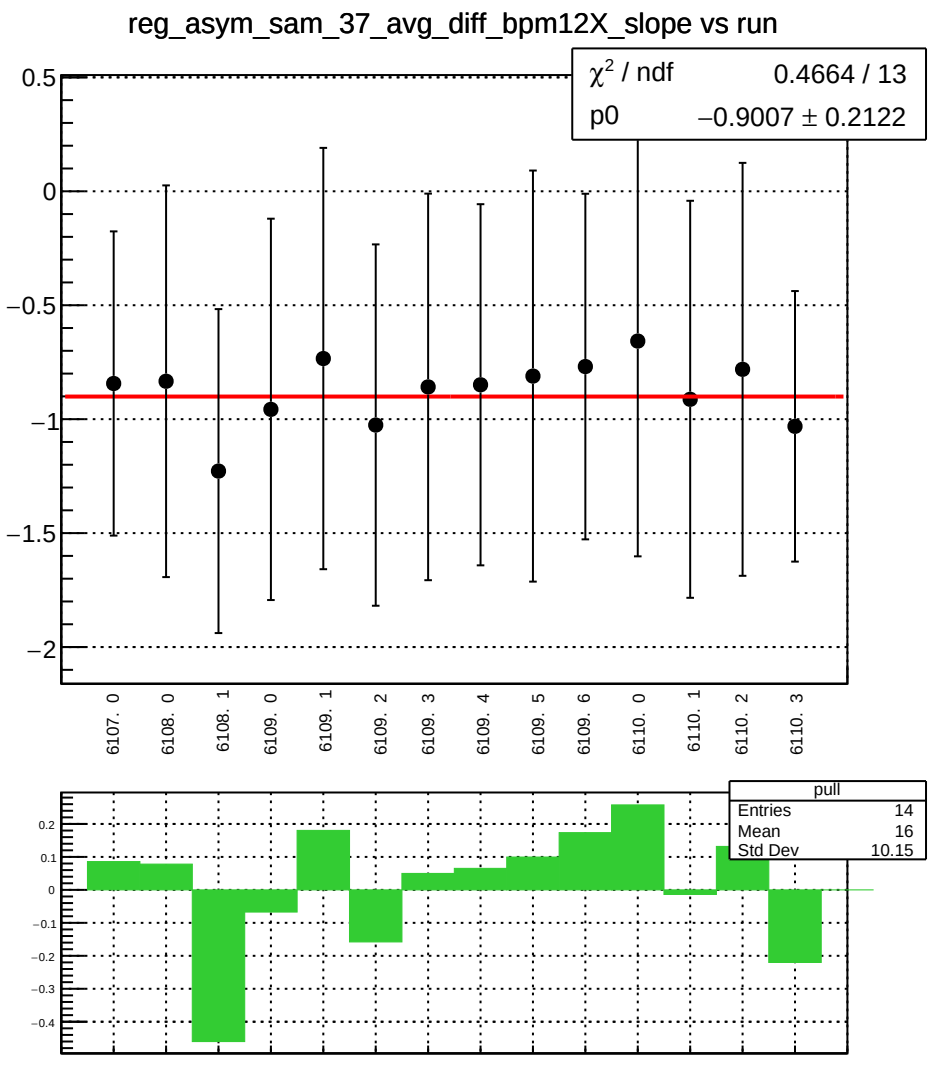

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6294 / 13
p0 0.2112 ± 0.1382
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 32.4
Std Dev 26.43
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean −0.01232
Std Dev 0.2117
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

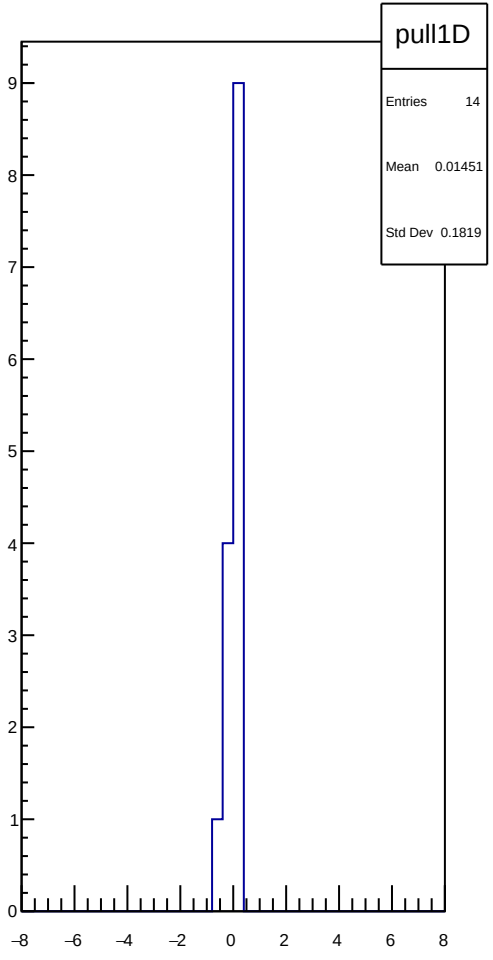

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.501 / 13
p0 −27.43 ± 4.248
0
−10
−20
−30
−40
−50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 26.41
Std Dev 19.66
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 14
Mean 0.02951
Std Dev 0.3261
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

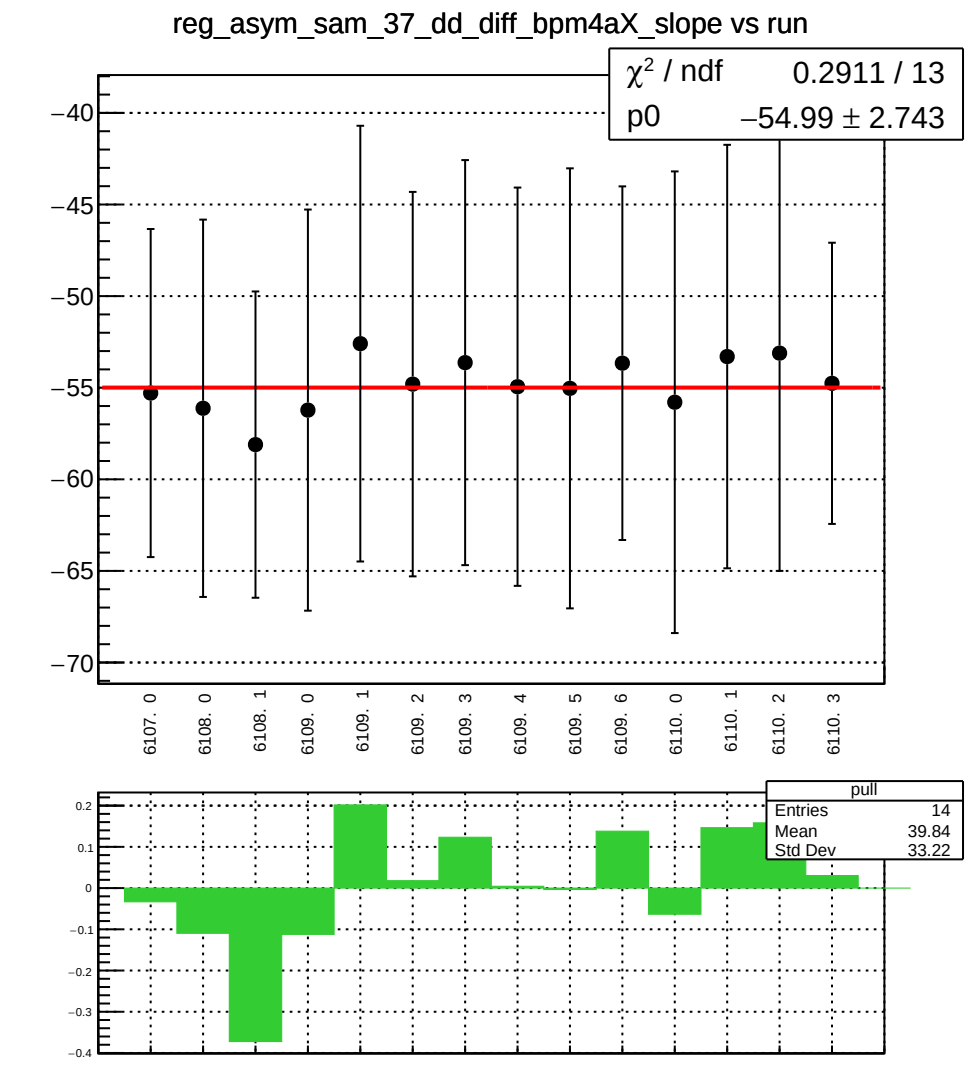

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.6869 / 13
p0 6.093 ± 2.827
25
20
15
10
5
0
−5
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 50.98
Std Dev 43.81
0.6
0.4
0.2
0
−0.2
pull1D
Entries 14
Mean −0.00954
Std Dev 0.2213
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

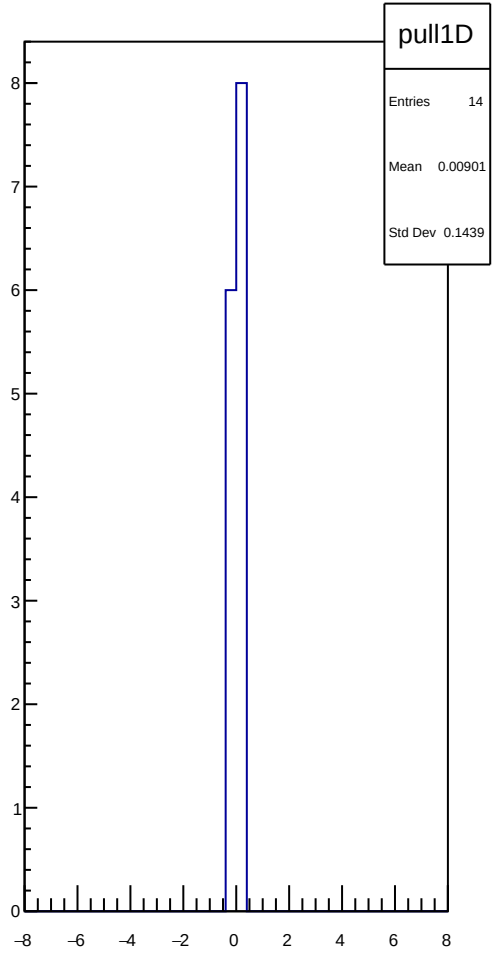

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.458 / 13
p0 −61.52 ± 4.942
−30
−40
−50
−60
−70
−80
−90
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 27.14
Std Dev 20.46
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.02887
Std Dev 0.3215
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

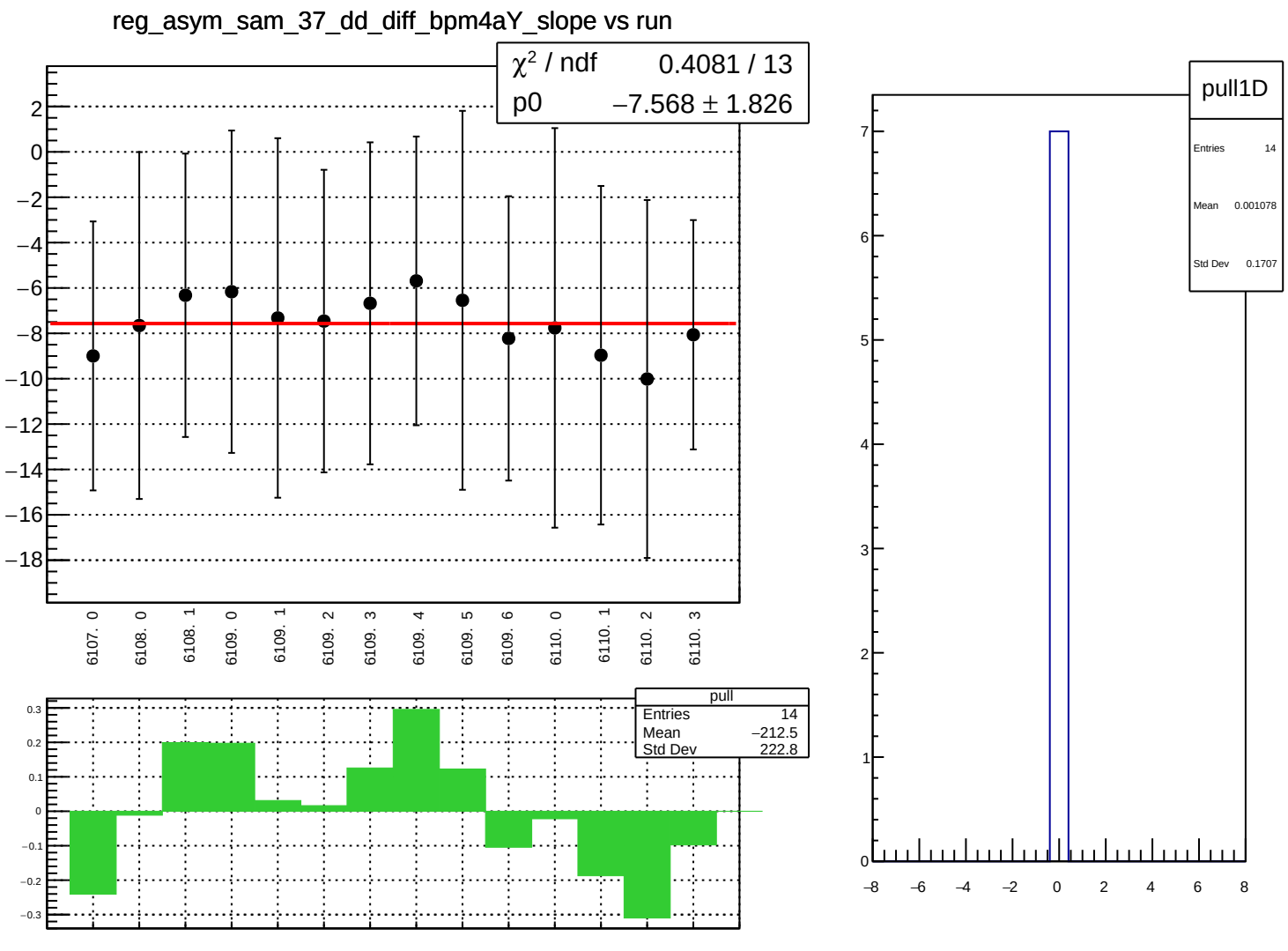

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.8816 / 13
p0 1.715 ± 2.994
20
15
10
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 64.2
Std Dev 56.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean 0.009268
Std Dev 0.2508
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

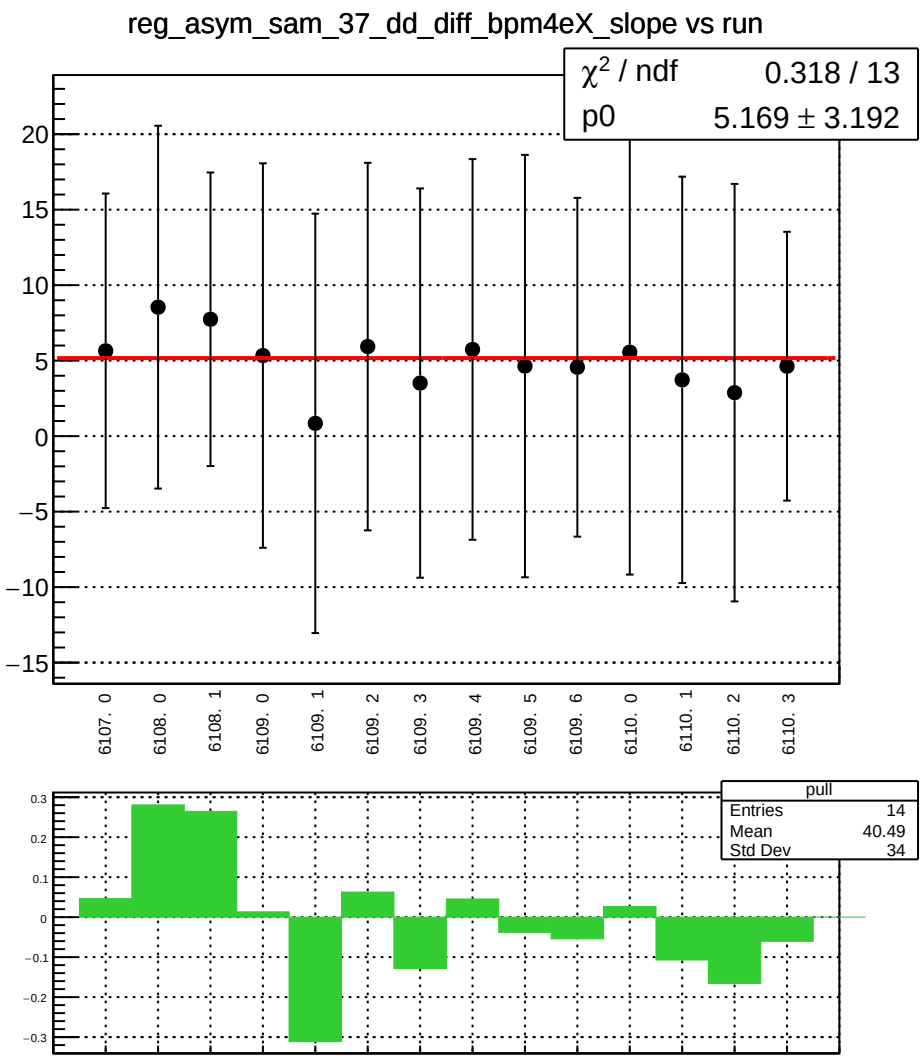

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 0.4664 / 13
p0 −0.9007 ± 0.2122
0.5
0
−0.5
−1
−1.5
−2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 16
Std Dev 10.15
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

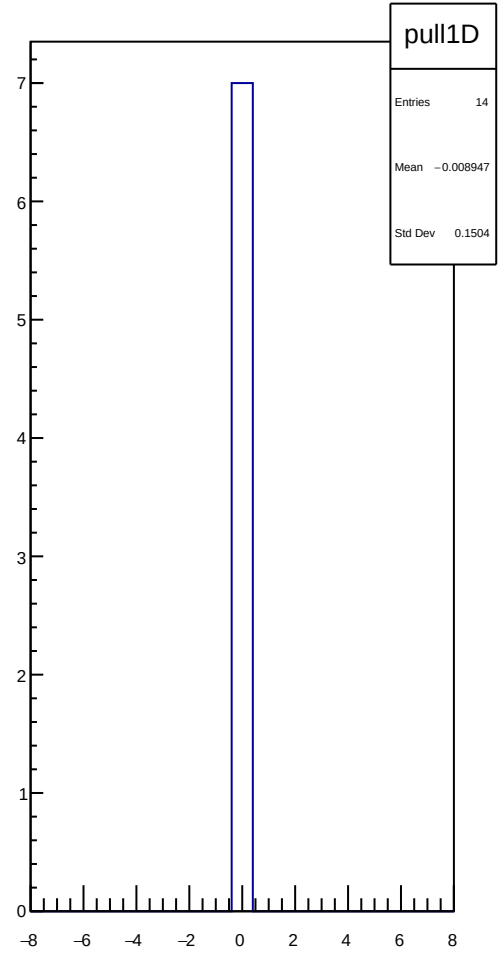

pull1D
Entries 14
Mean 0.01451
Std Dev 0.1819
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

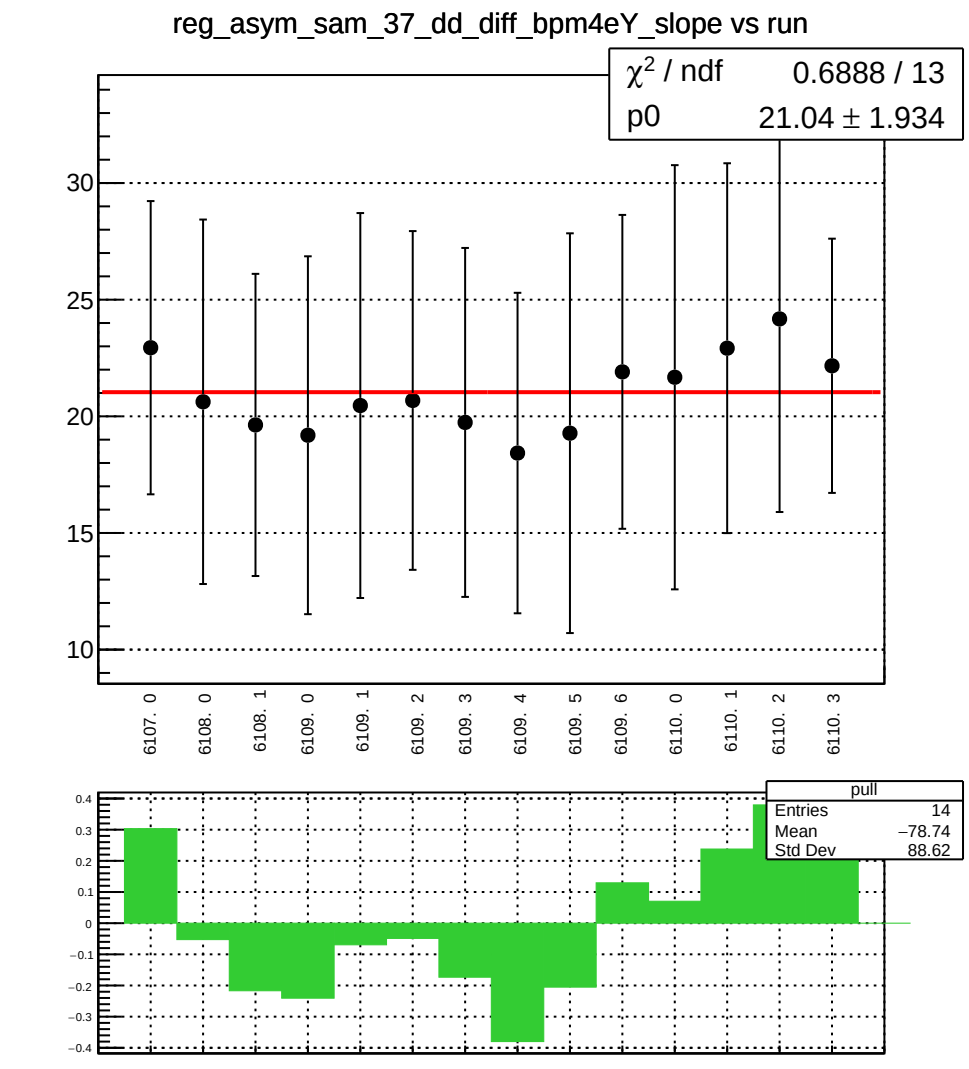

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.2911 / 13
p0 −54.99 ± 2.743
−40
−45
−50
−55
−60
−65
−70
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 39.84
Std Dev 33.22
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

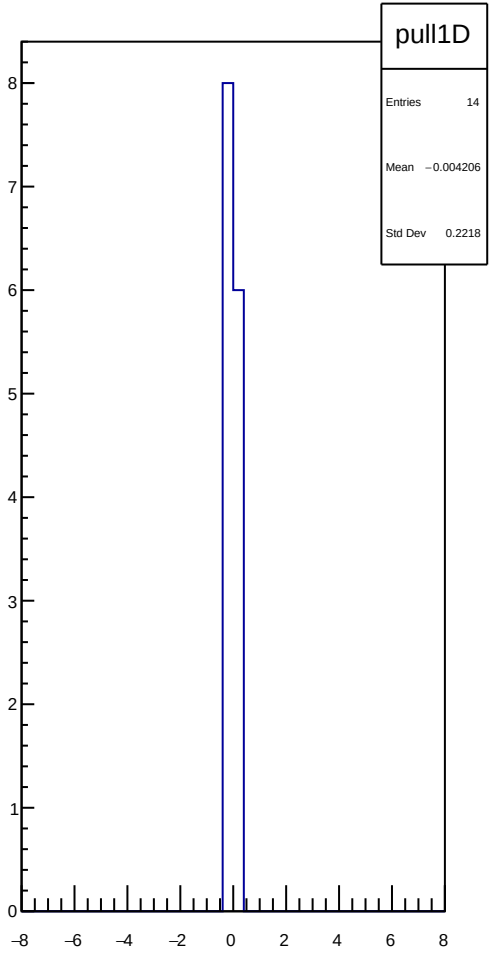

pull1D
Entries 14
Mean 0.00901
Std Dev 0.1439
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

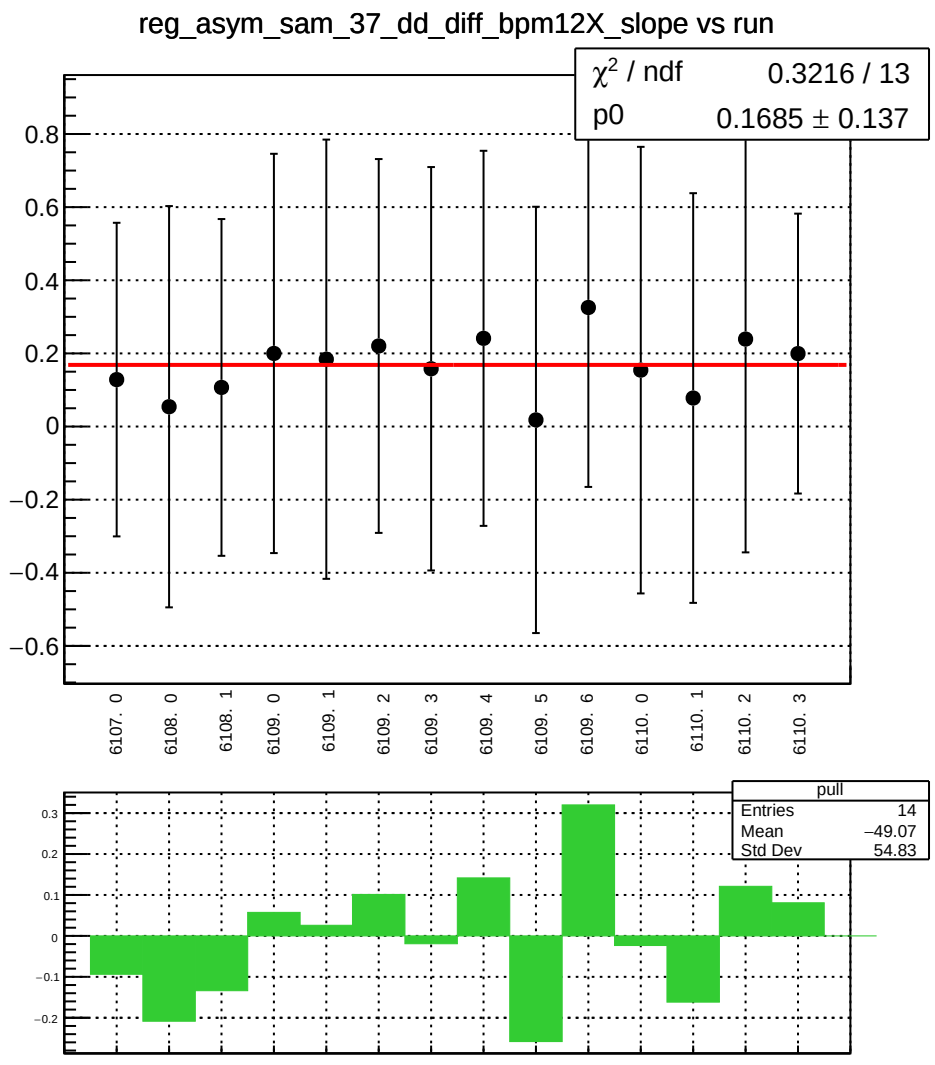

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.4081 / 13
p0 −7.568 ± 1.826
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −212.5
Std Dev 222.8
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean 0.001078
Std Dev 0.1707
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

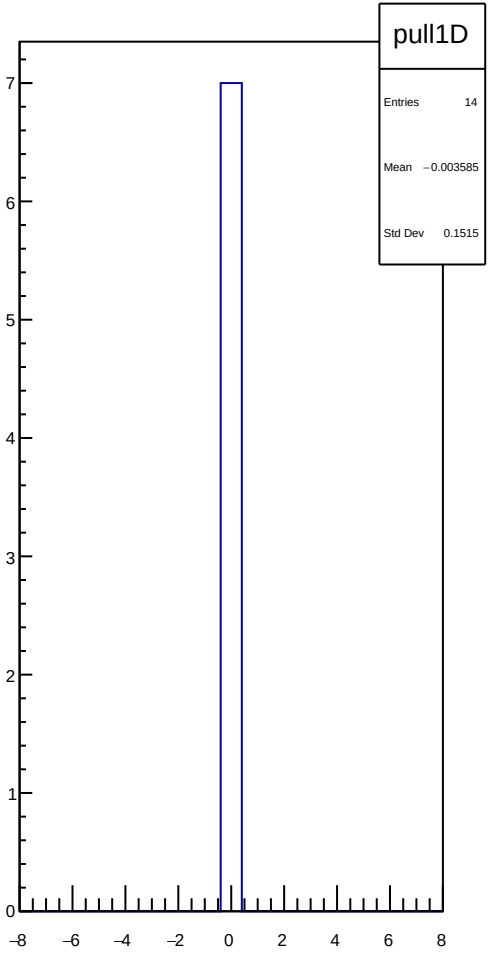

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.318 / 13
p0 5.169 ± 3.192
20
15
10
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 40.49
Std Dev 34
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

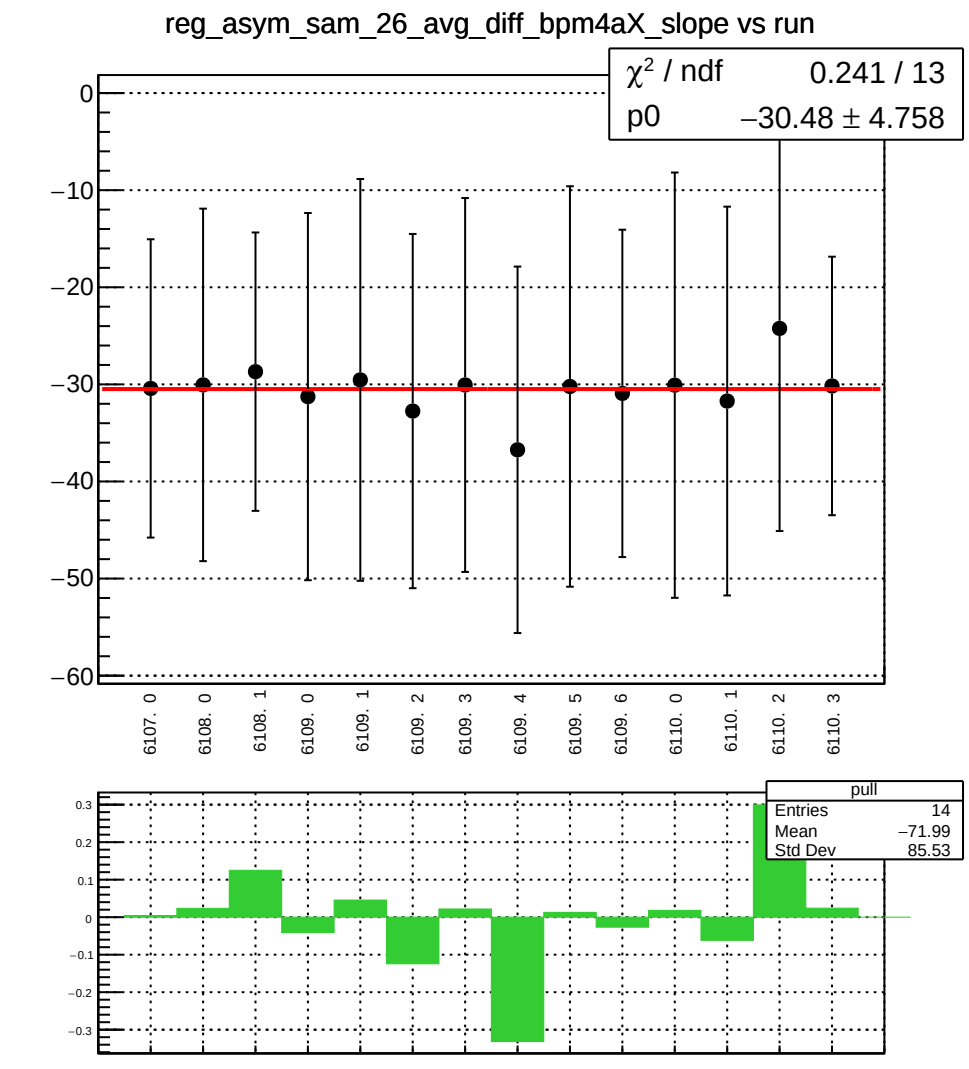

pull1D
Entries 14
Mean −0.008947
Std Dev 0.1504
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

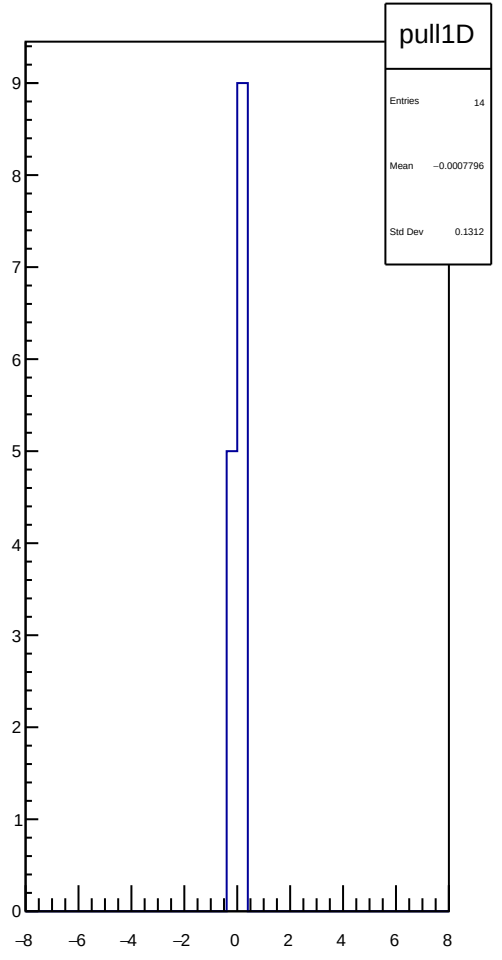

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.6888 / 13
p0 21.04 ± 1.934
30
25
20
15
10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −78.74
Std Dev 88.62
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

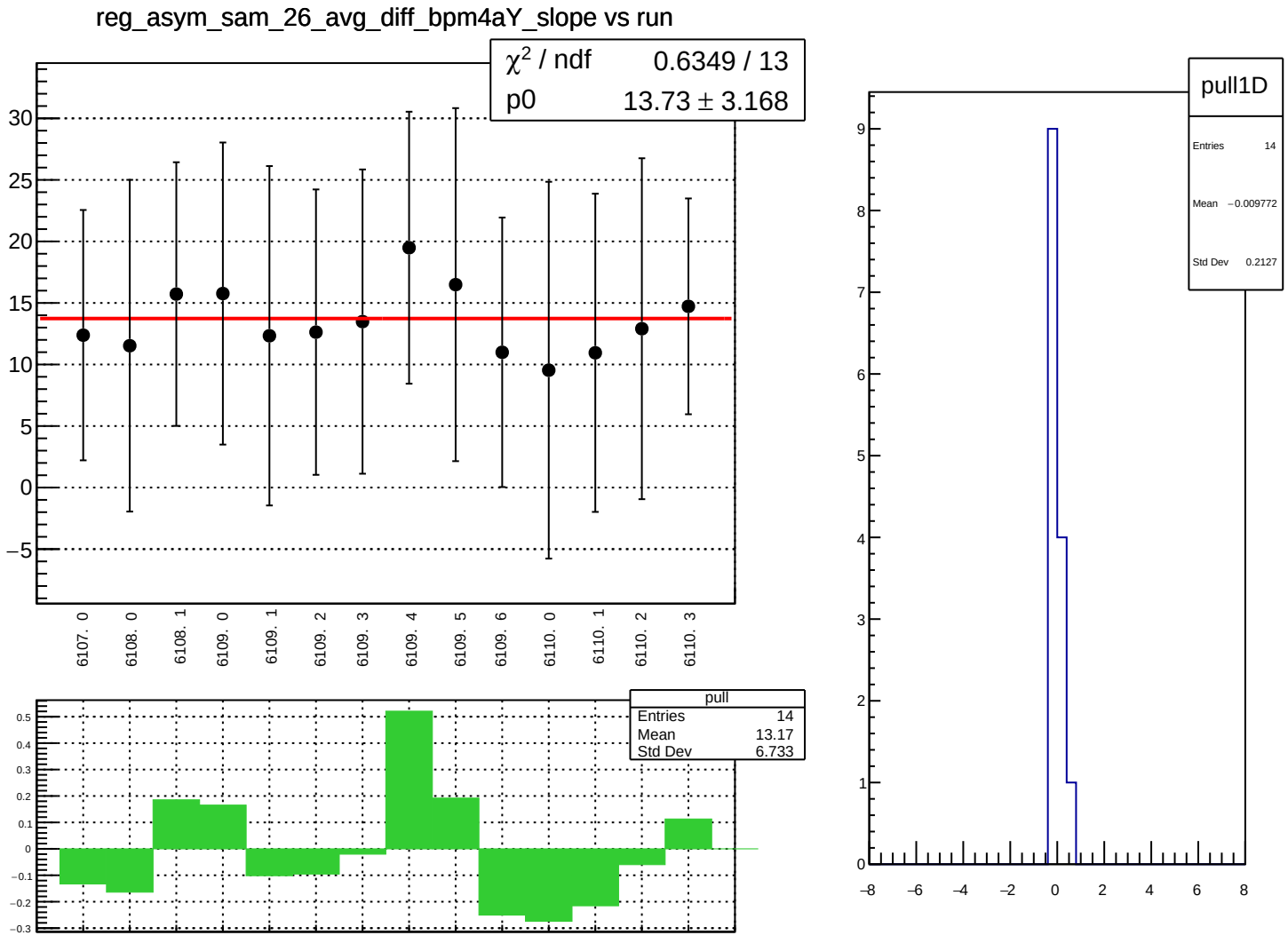

pull1D
Entries 14
Mean −0.004206
Std Dev 0.2218
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

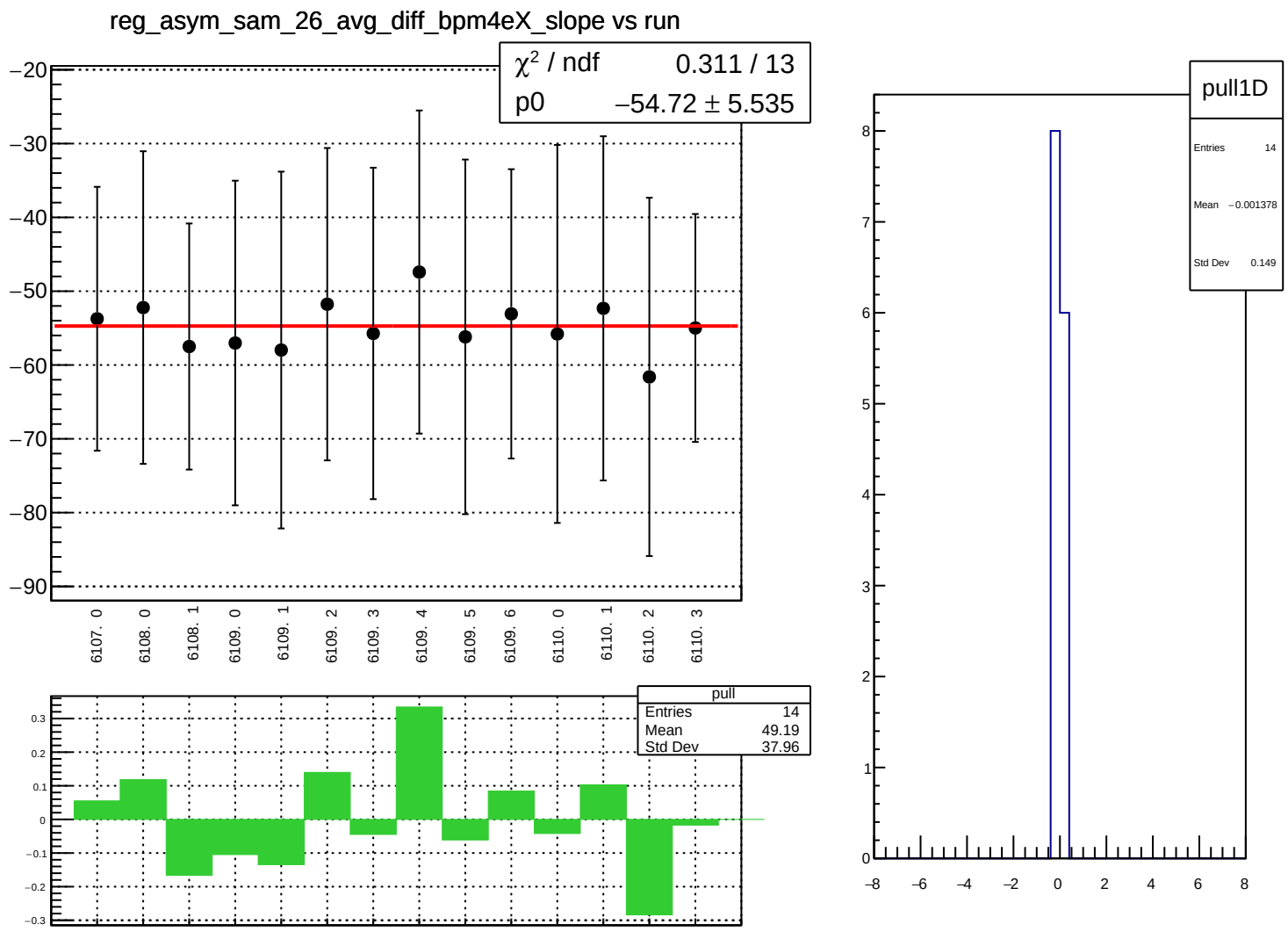

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.3216 / 13
p0 0.1685 ± 0.137
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −49.07
Std Dev 54.83
0.3
0.2
0.1
0
−0.1
−0.2

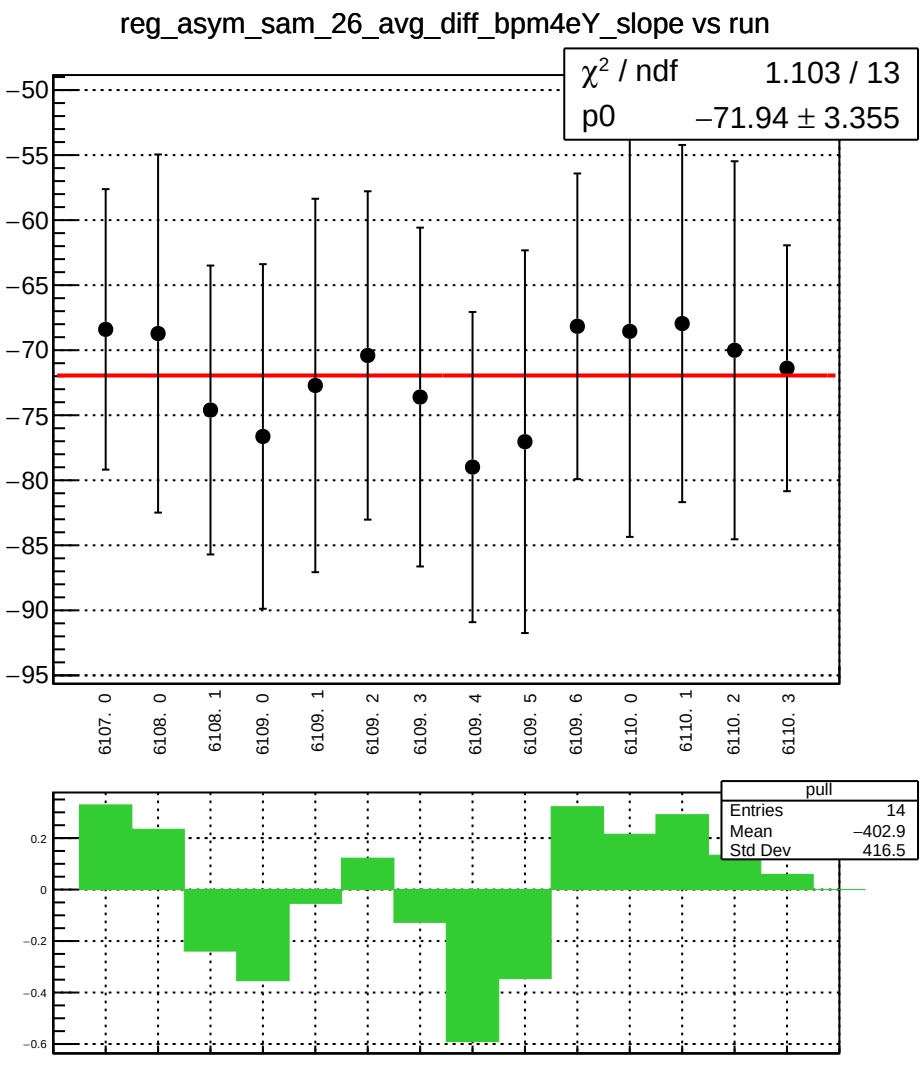

pull1D
Entries 14
Mean −0.003585
Std Dev 0.1515
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

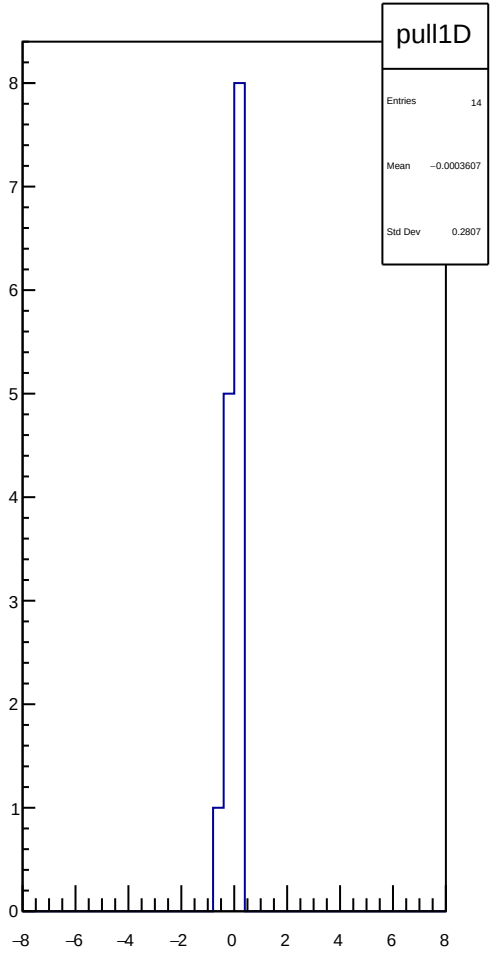

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.241 / 13
p0 −30.48 ± 4.758
0
−10
−20
−30
−40
−50
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −71.99
Std Dev 85.53
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

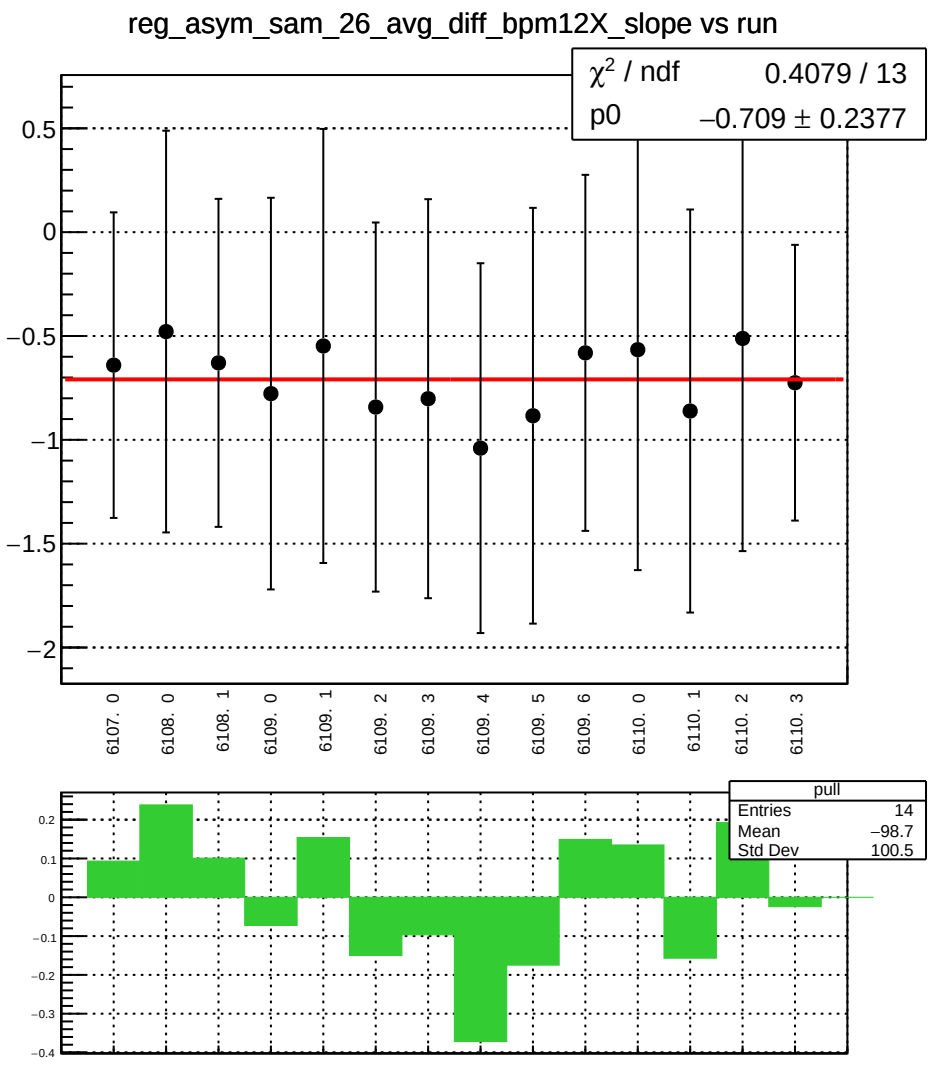

pull1D
Entries 14
Mean −0.0007796
Std Dev 0.1312
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

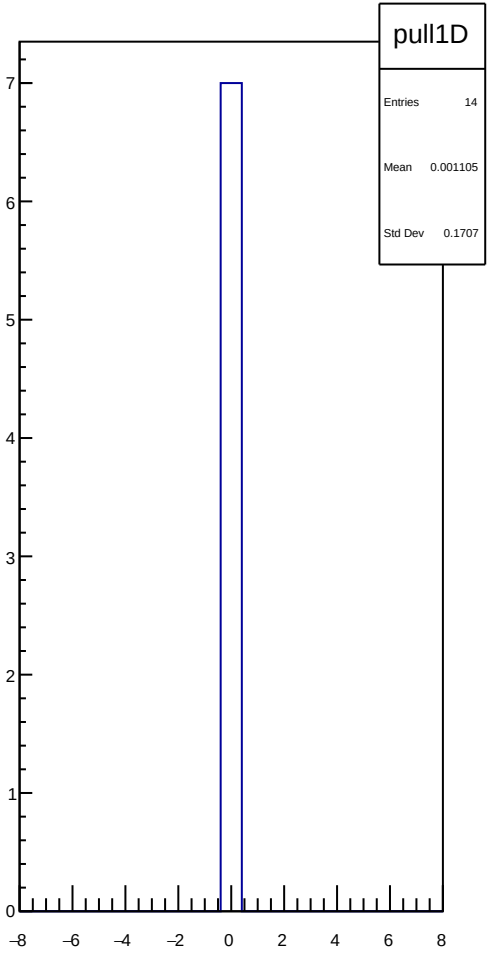

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.6349 / 13
p0 13.73 ± 3.168
30
25
20
15
10
5
0
−5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 13.17
Std Dev 6.733
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean −0.009772
Std Dev 0.2127
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

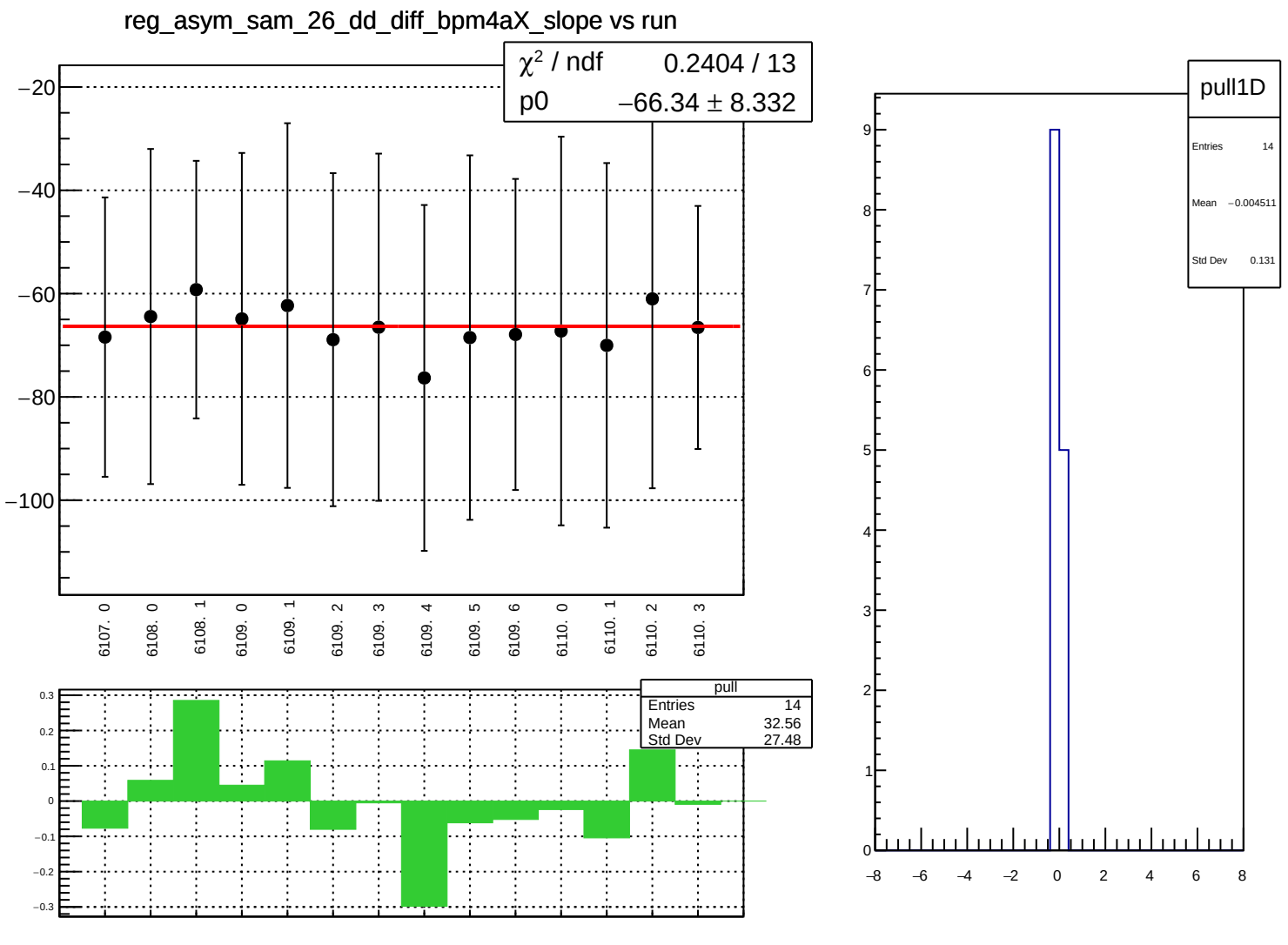

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.311 / 13
p0 −54.72 ± 5.535
−20
−30
−40
−50
−60
−70
−80
−90
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 49.19
Std Dev 37.96
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean −0.001378
Std Dev 0.149
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

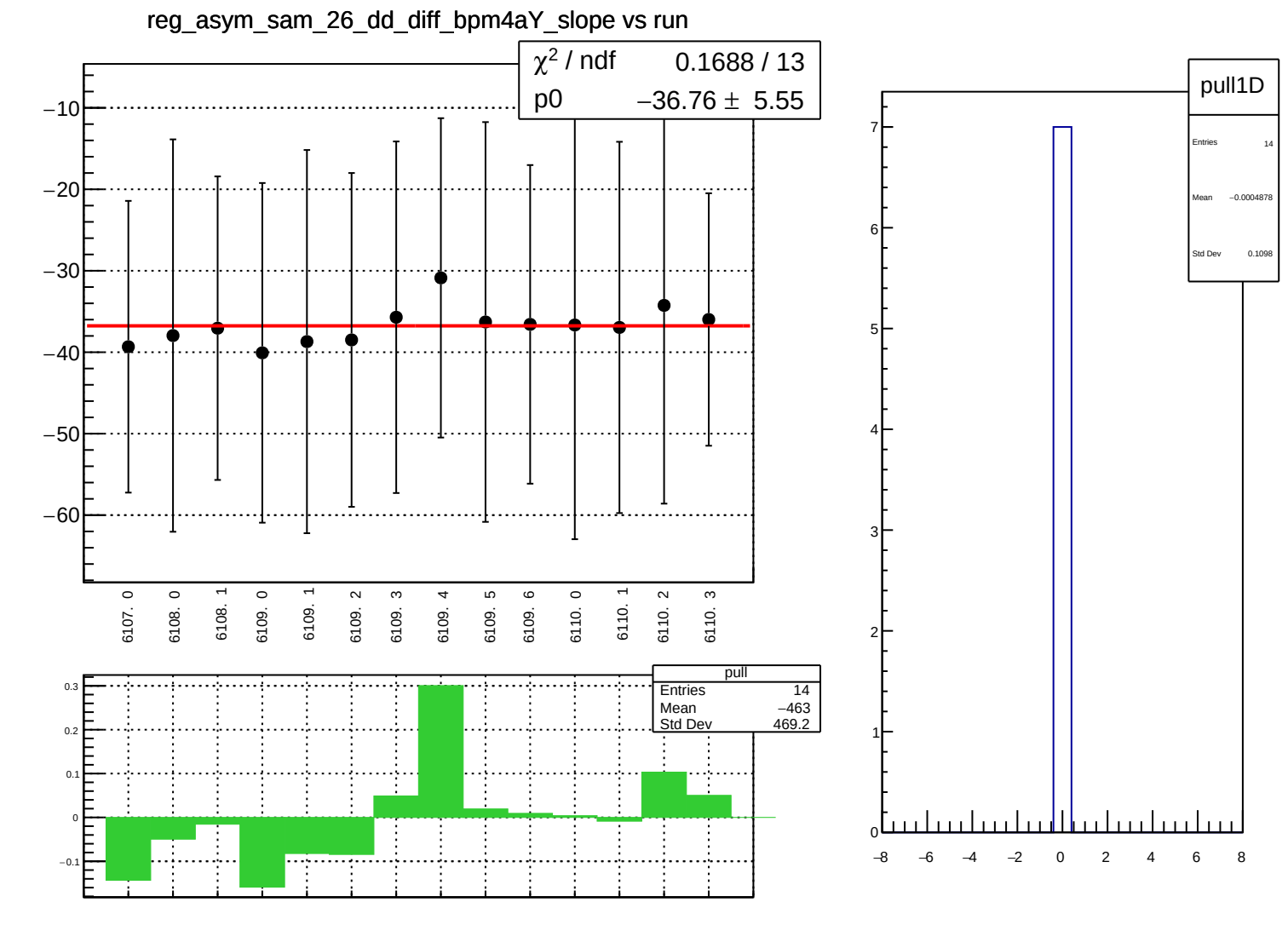

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.103 / 13
p0 −71.94 ± 3.355
−50
−55
−60
−65
−70
−75
−80
−85
−90
−95
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −402.9
Std Dev 416.5
0.2
0
−0.2
−0.4
−0.6

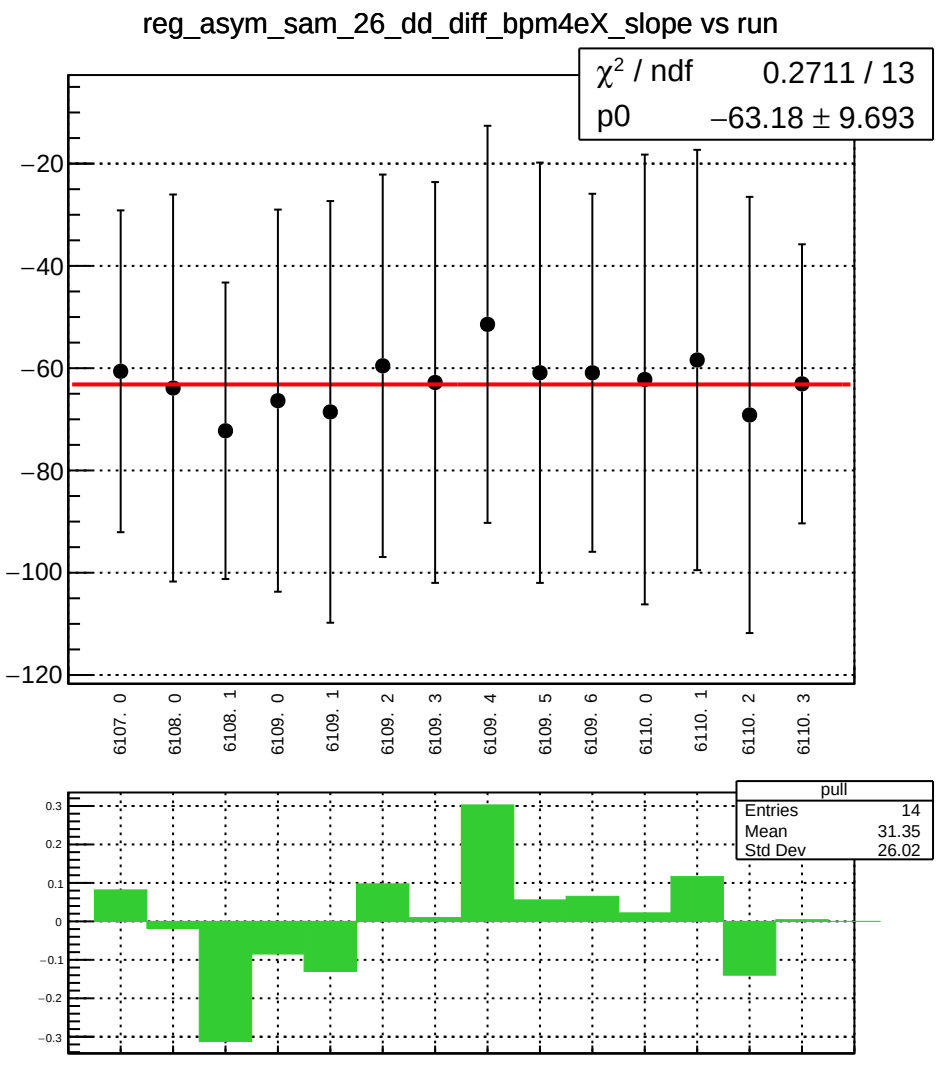

pull1D
Entries 14
Mean −0.0003607
Std Dev 0.2807
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

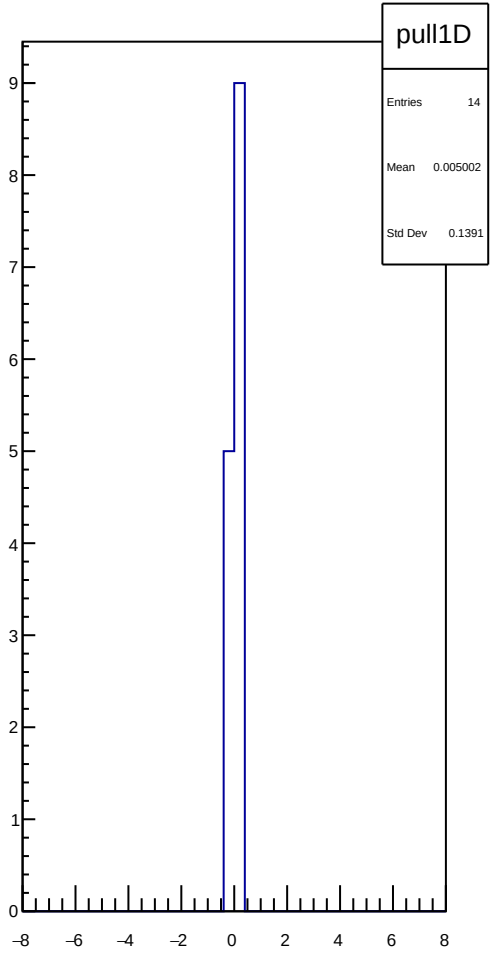

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 0.4079 / 13
p0 −0.709 ± 0.2377
0.5
0
−0.5
−1
−1.5
−2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −98.7
Std Dev 100.5
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

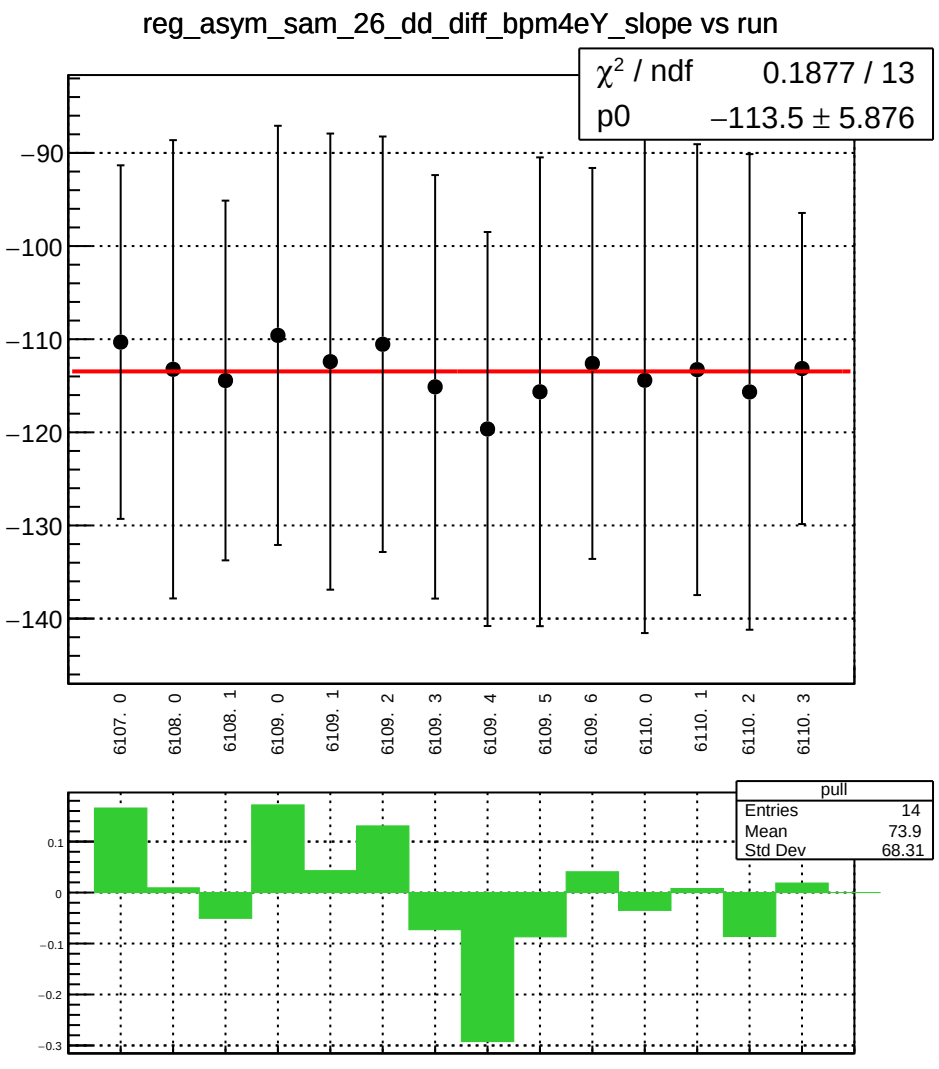

pull1D
Entries 14
Mean 0.001105
Std Dev 0.1707
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

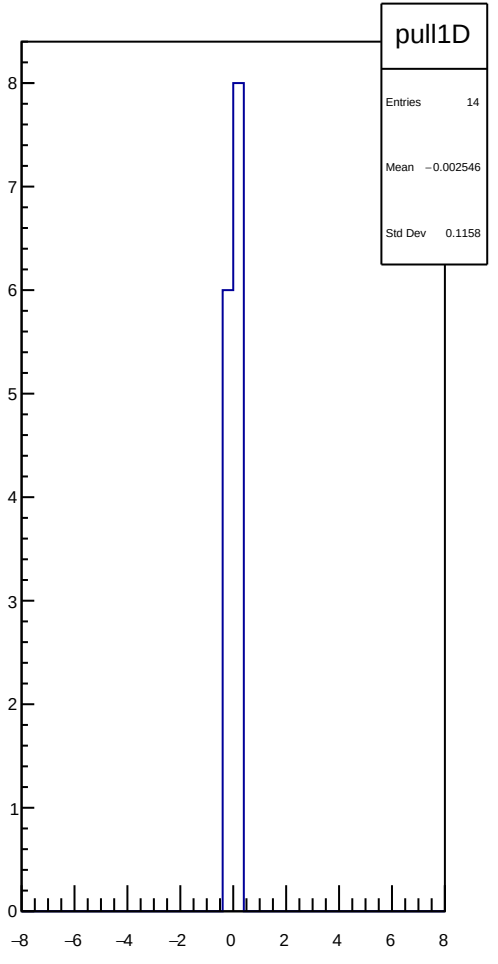

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.2404 / 13
p0 −66.34 ± 8.332
−20
−40
−60
−80
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 32.56
Std Dev 27.48
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean −0.004511
Std Dev 0.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

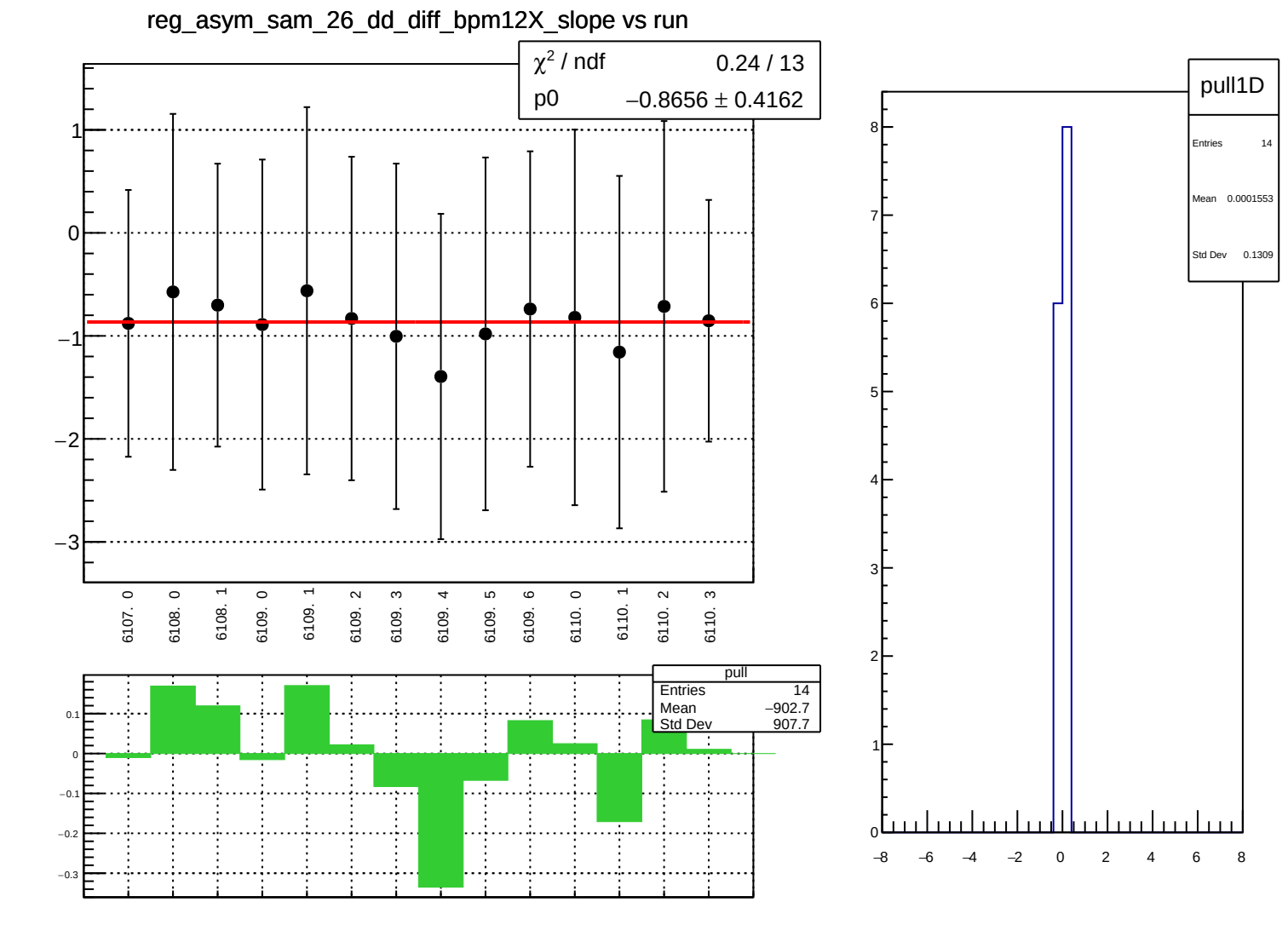

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.1688 / 13
p0 −36.76 ± 5.55
−10
−20
−30
−40
−50
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −463
Std Dev 469.2
0.3
0.2
0.1
0
−0.1
pull1D
Entries 14
Mean −0.0004878
Std Dev 0.1098
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

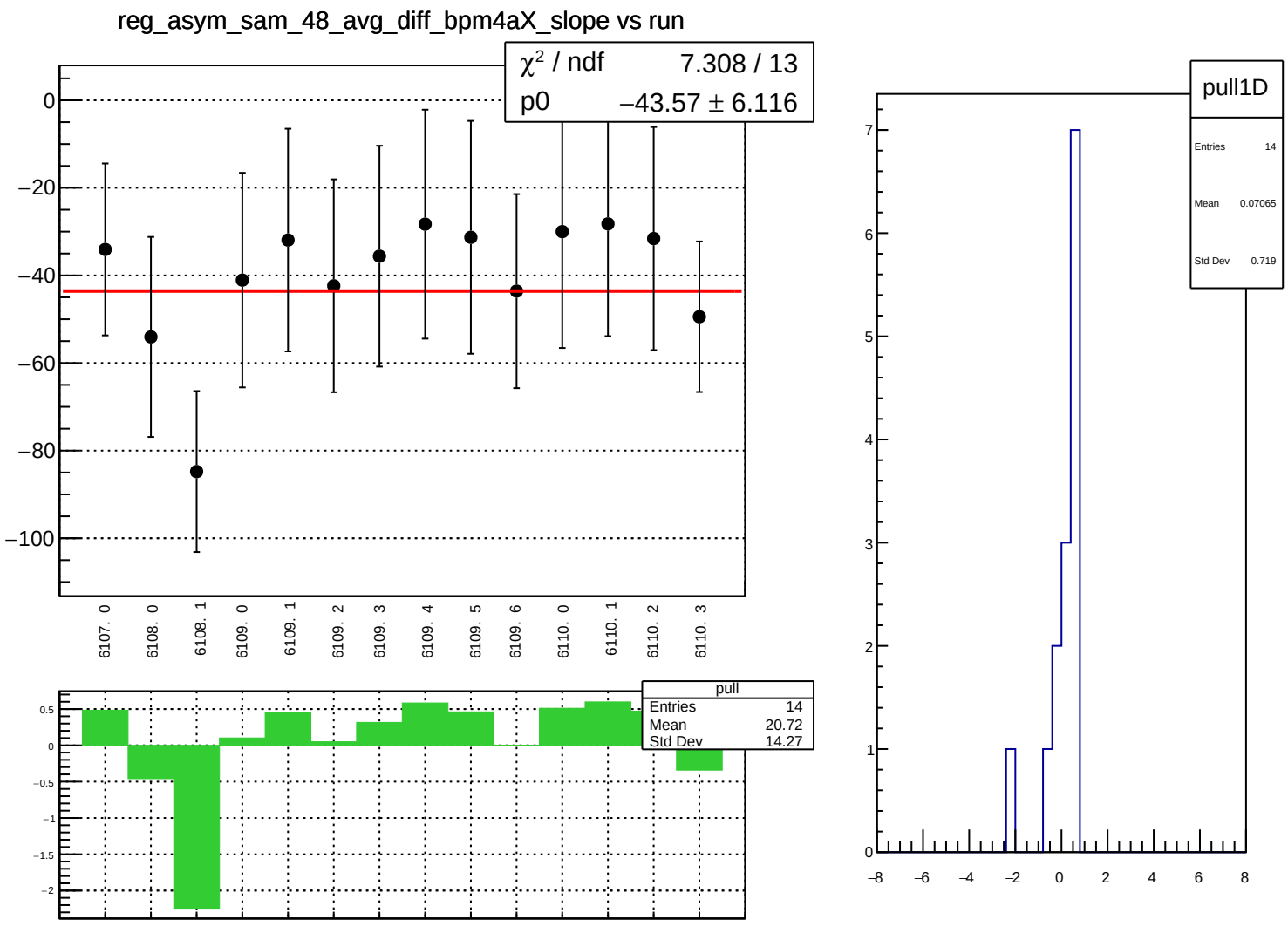

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.2711 / 13
p0 −63.18 ± 9.693
−20
−40
−60
−80
−100
−120
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 31.35
Std Dev 26.02
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

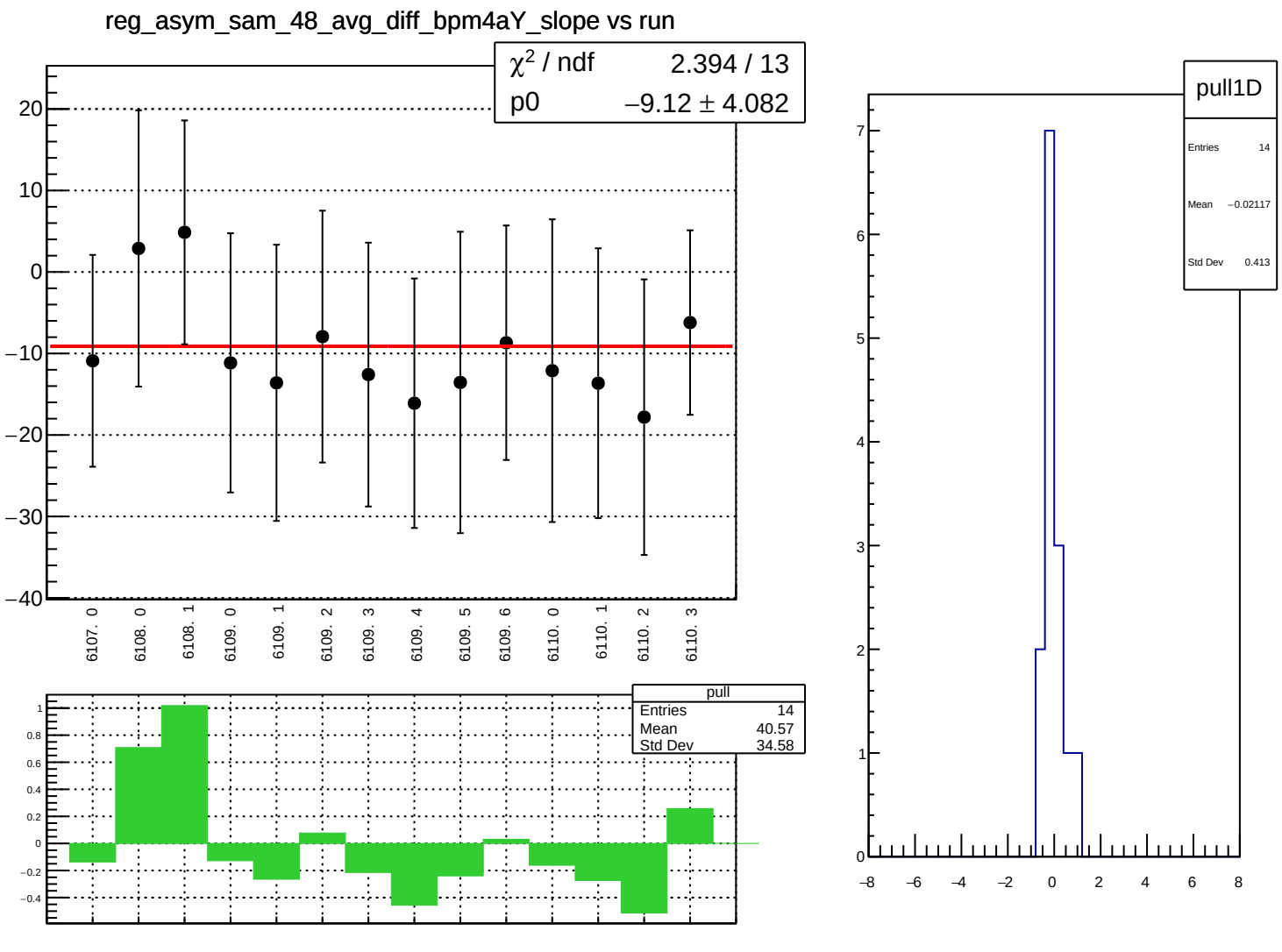

pull1D
Entries 14
Mean 0.005002
Std Dev 0.1391
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

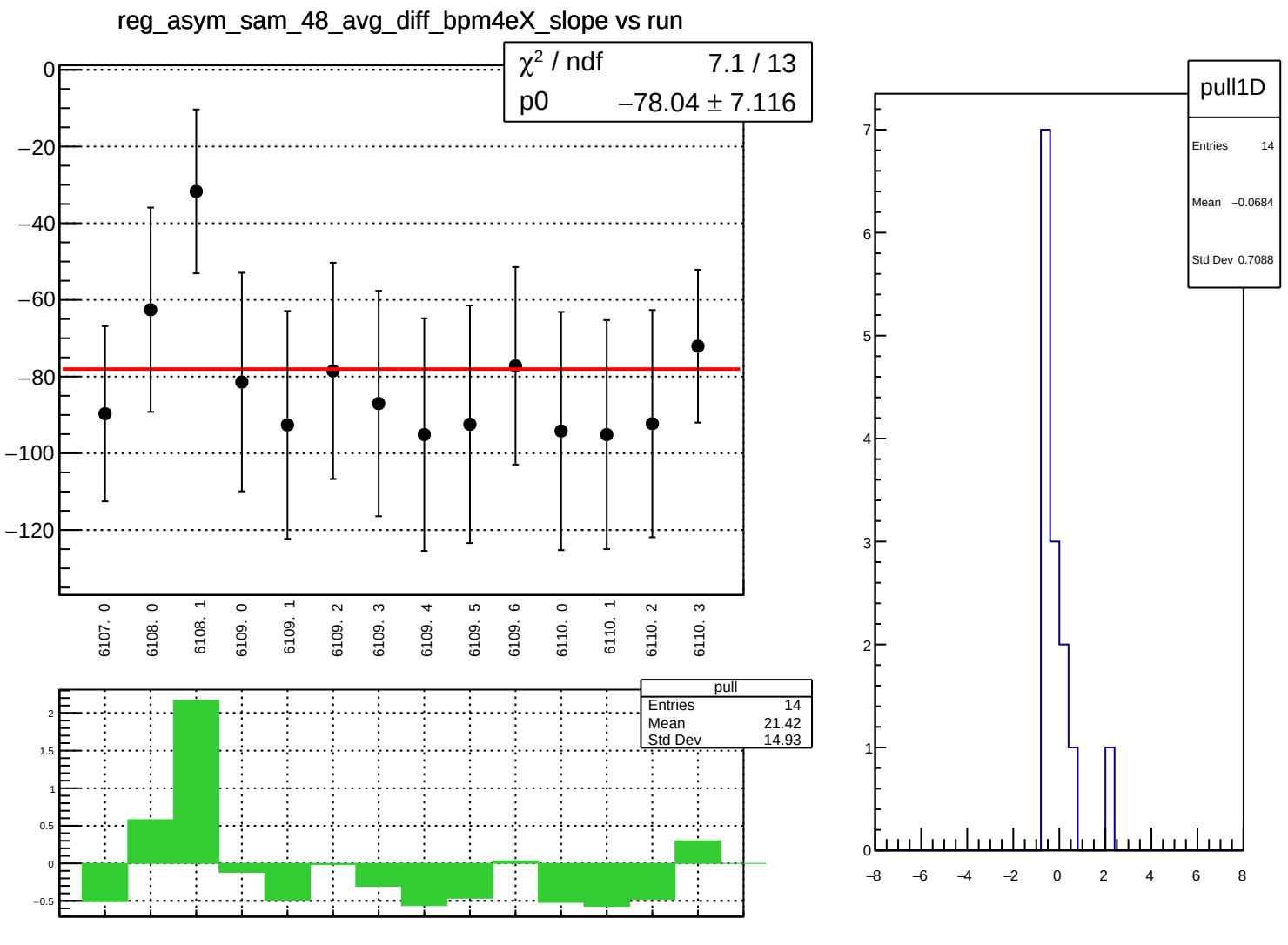

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.1877 / 13
p0 −113.5 ± 5.876
−90
−100
−110
−120
−130
−140
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 73.9
Std Dev 68.31
0.1
0
−0.1
−0.2
−0.3

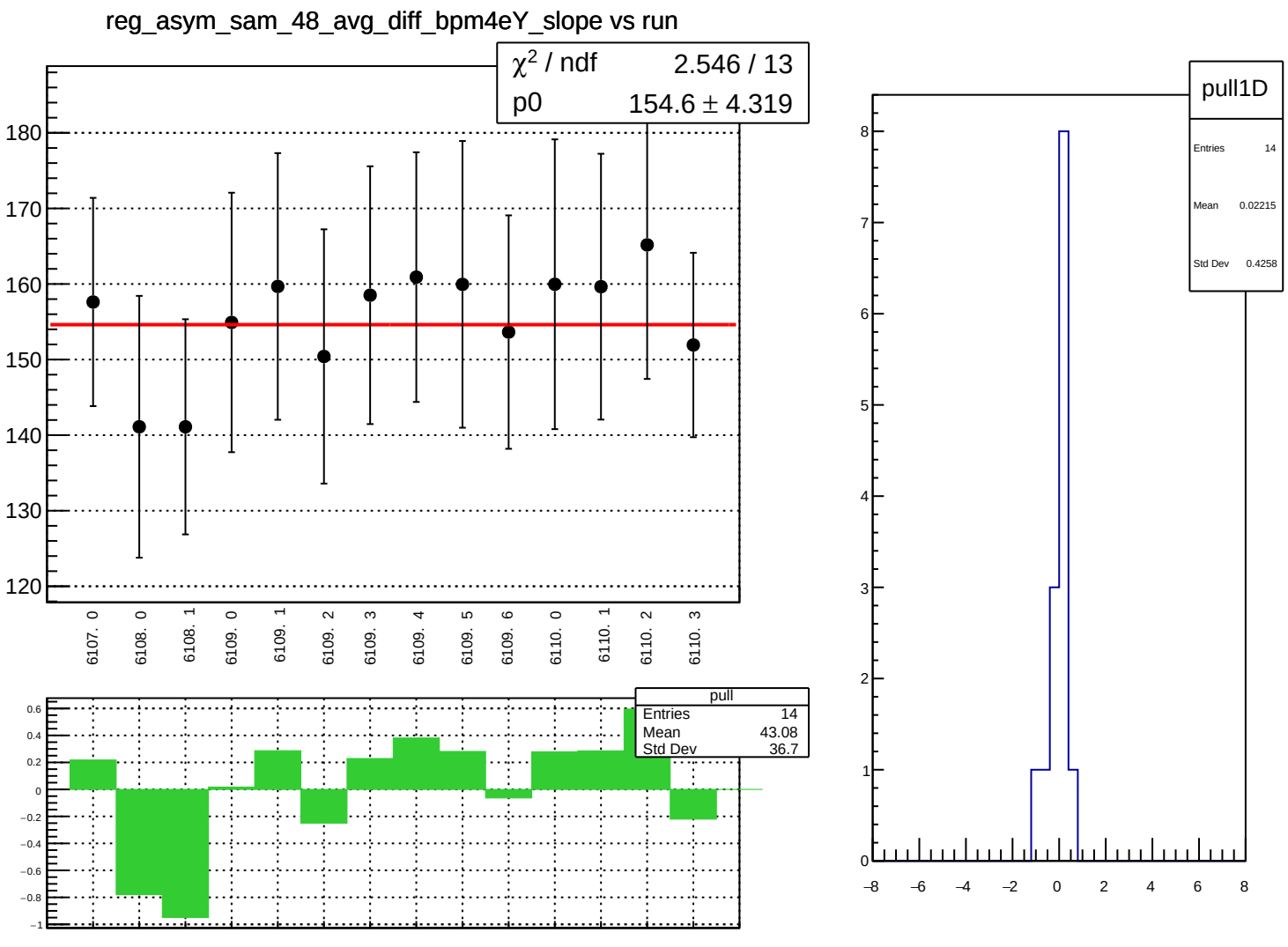

pull1D
Entries 14
Mean −0.002546
Std Dev 0.1158
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

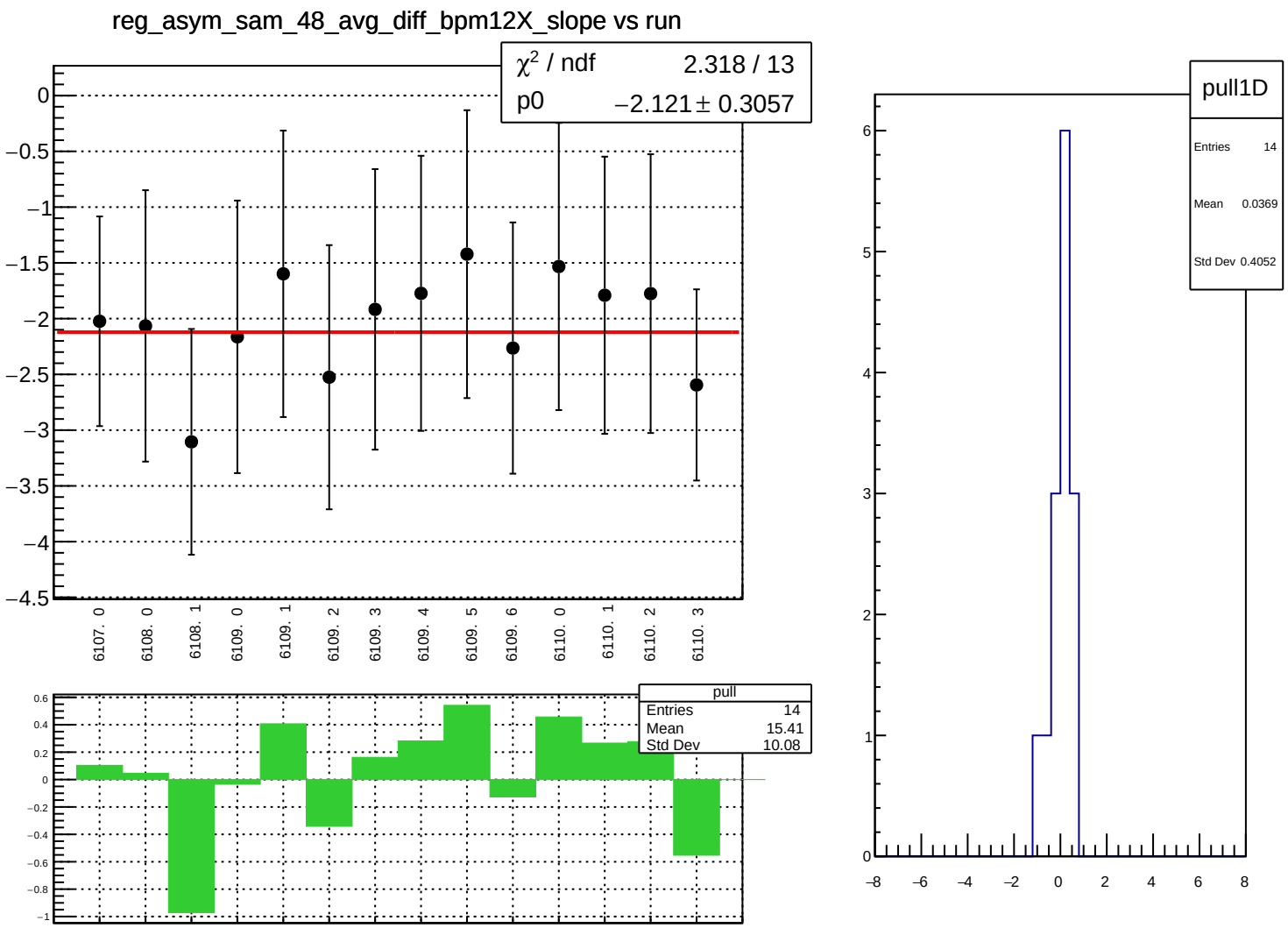

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.24 / 13
p0 −0.8656 ± 0.4162
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −902.7
Std Dev 907.7
pull1D
Entries 14
Mean 0.0001553
Std Dev 0.1309

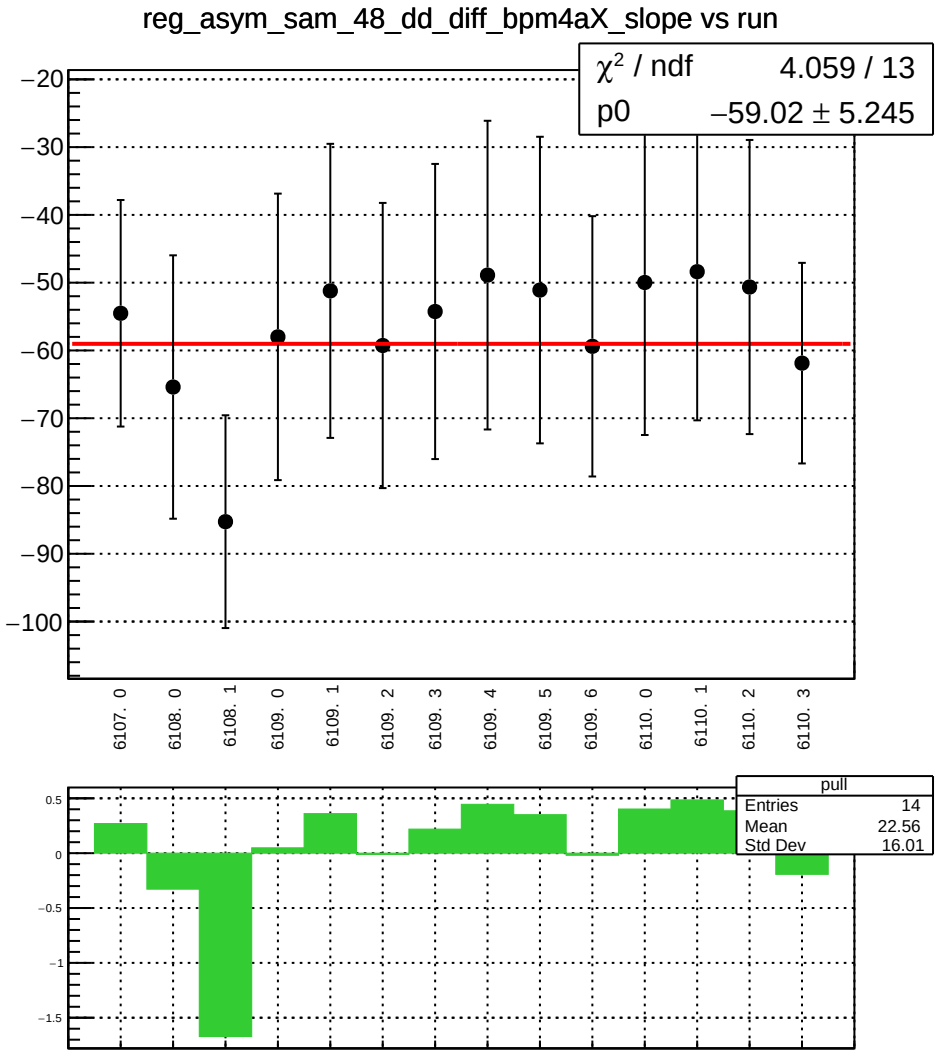

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.308 / 13
p0 −43.57 ± 6.116
0
−20
−40
−60
−80
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 20.72
Std Dev 14.27
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.07065
Std Dev 0.719
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

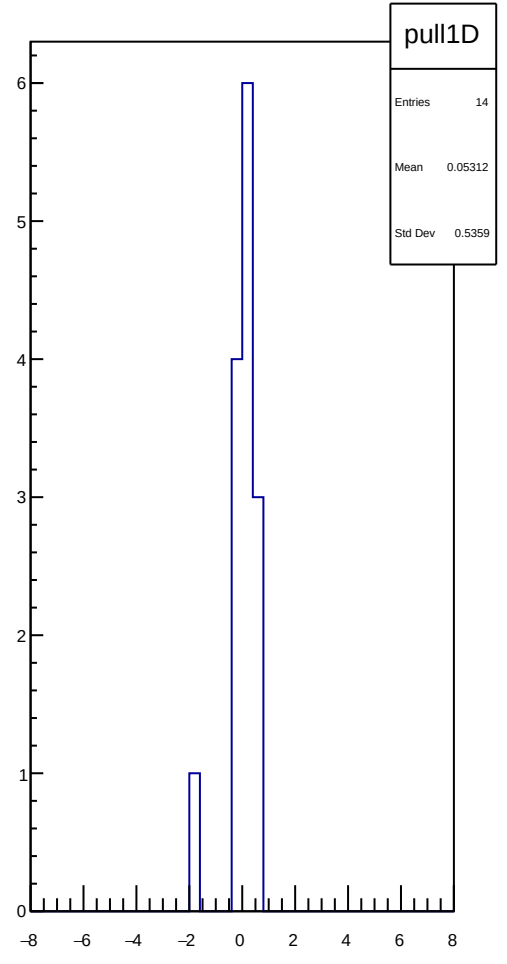

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.394 / 13
p0 −9.12 ± 4.082
20
10
0
−10
−20
−30
−40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 40.57
Std Dev 34.58
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.02117
Std Dev 0.413
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

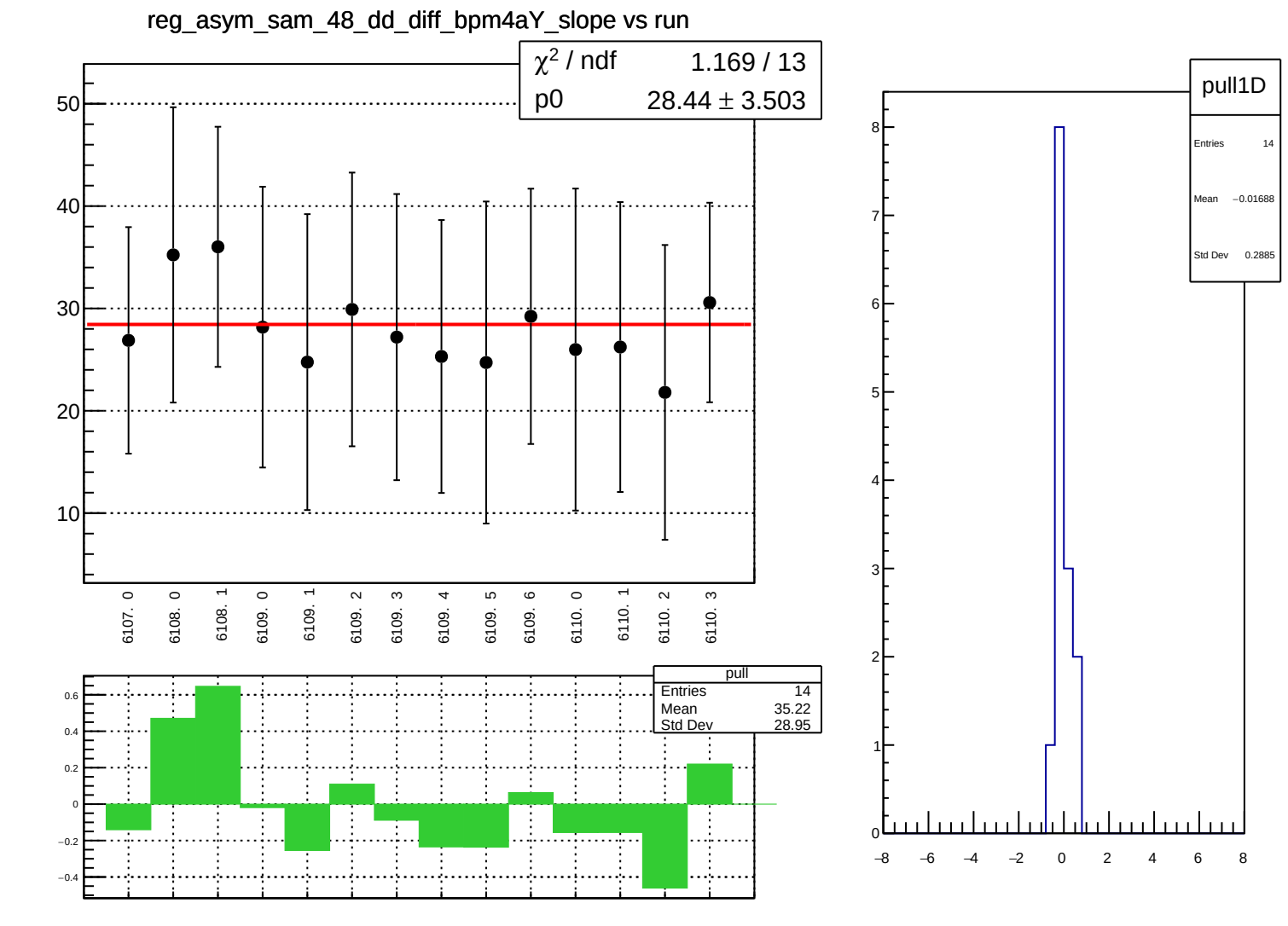

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.1 / 13
p0 −78.04 ± 7.116
0
−20
−40
−60
−80
−100
−120
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.42
Std Dev 14.93
2
1.5
1
0.5
0
−0.5
pull1D
Entries 14
Mean −0.0684
Std Dev 0.7088
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

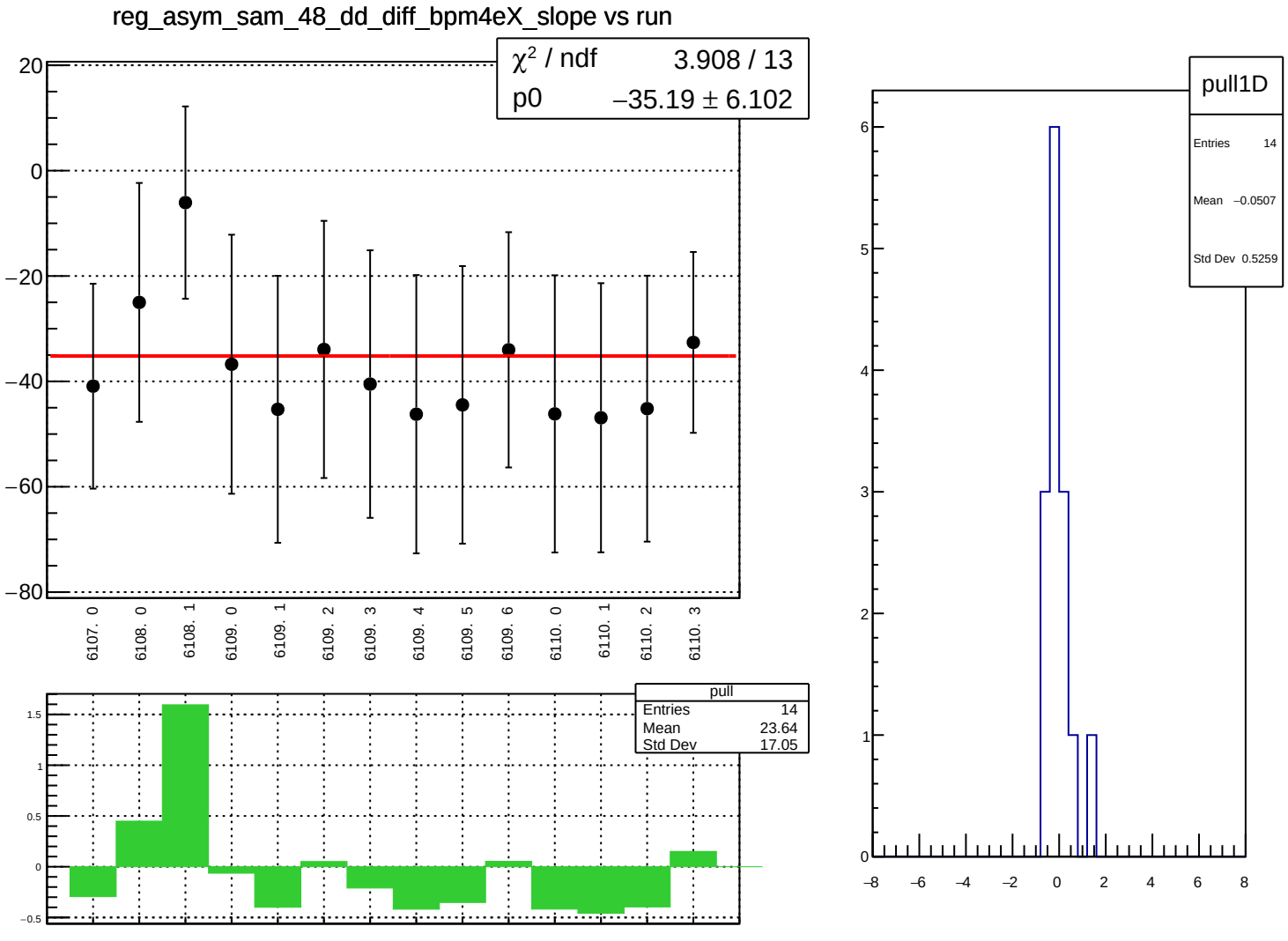

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.546 / 13
p0 154.6 ± 4.319
180
170
160
150
140
130
120
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 43.08
Std Dev 36.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 14
Mean 0.02215
Std Dev 0.4258
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

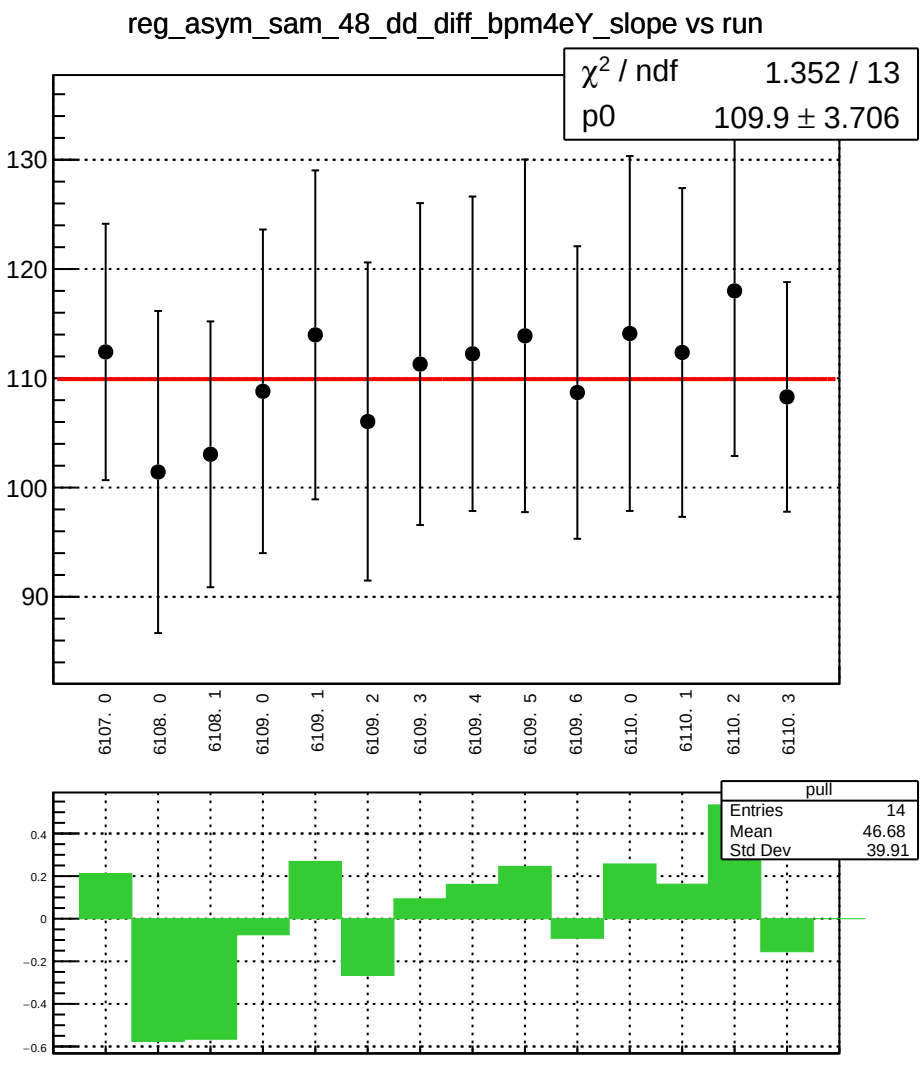

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 2.318 / 13
p0 −2.121 ± 0.3057
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 15.41
Std Dev 10.08
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 14
Mean 0.0369
Std Dev 0.4052
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

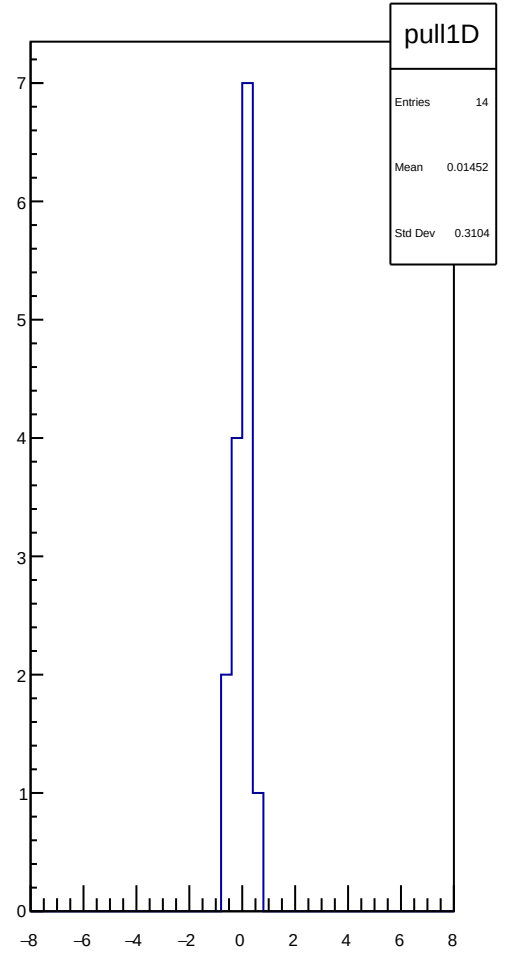

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.059 / 13
p0 −59.02 ± 5.245
−20
−30
−40
−50
−60
−70
−80
−90
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.56
Std Dev 16.01
0.5
0
−0.5
−1
−1.5

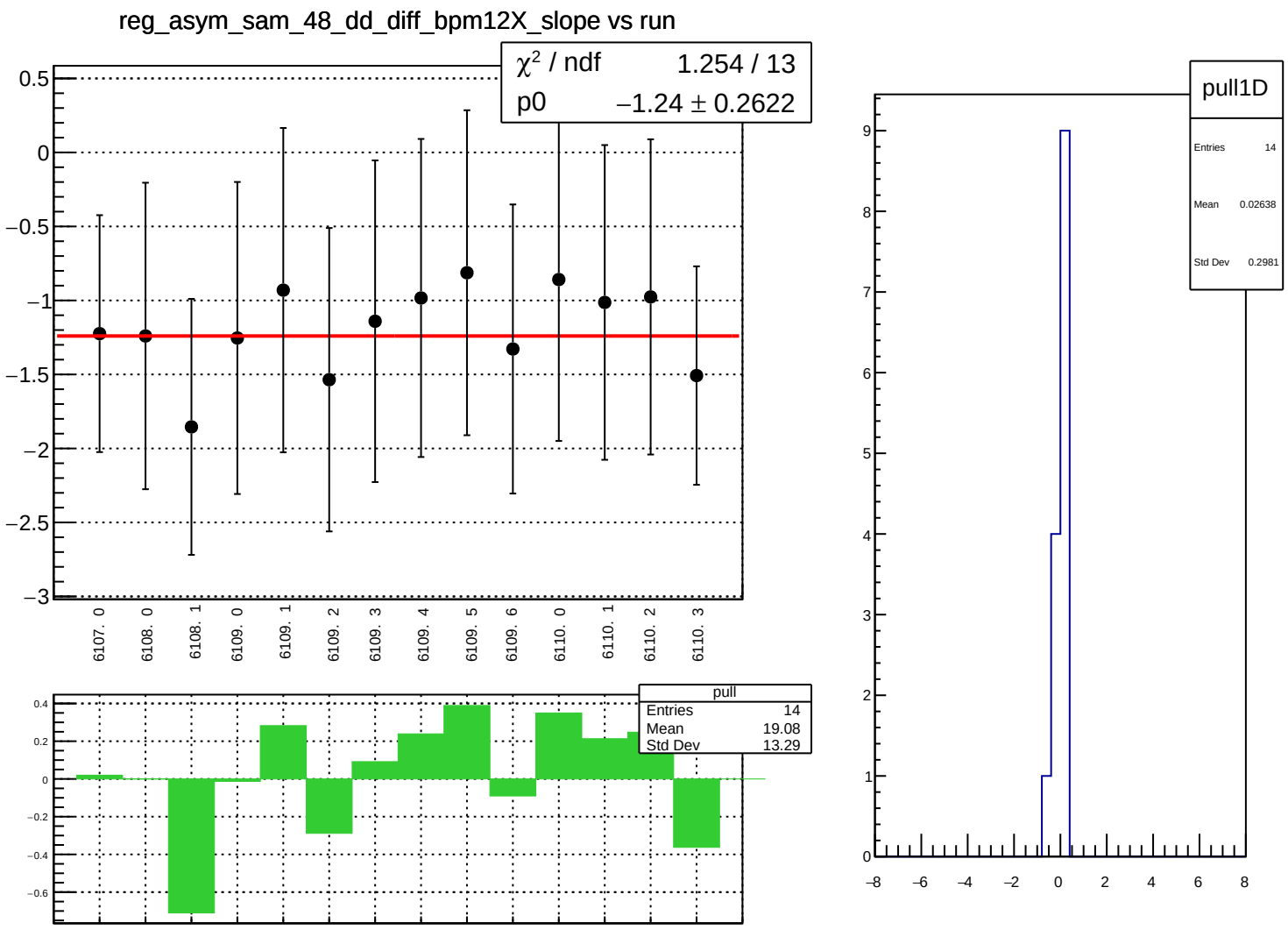

pull1D
Entries 14
Mean 0.05312
Std Dev 0.5359
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

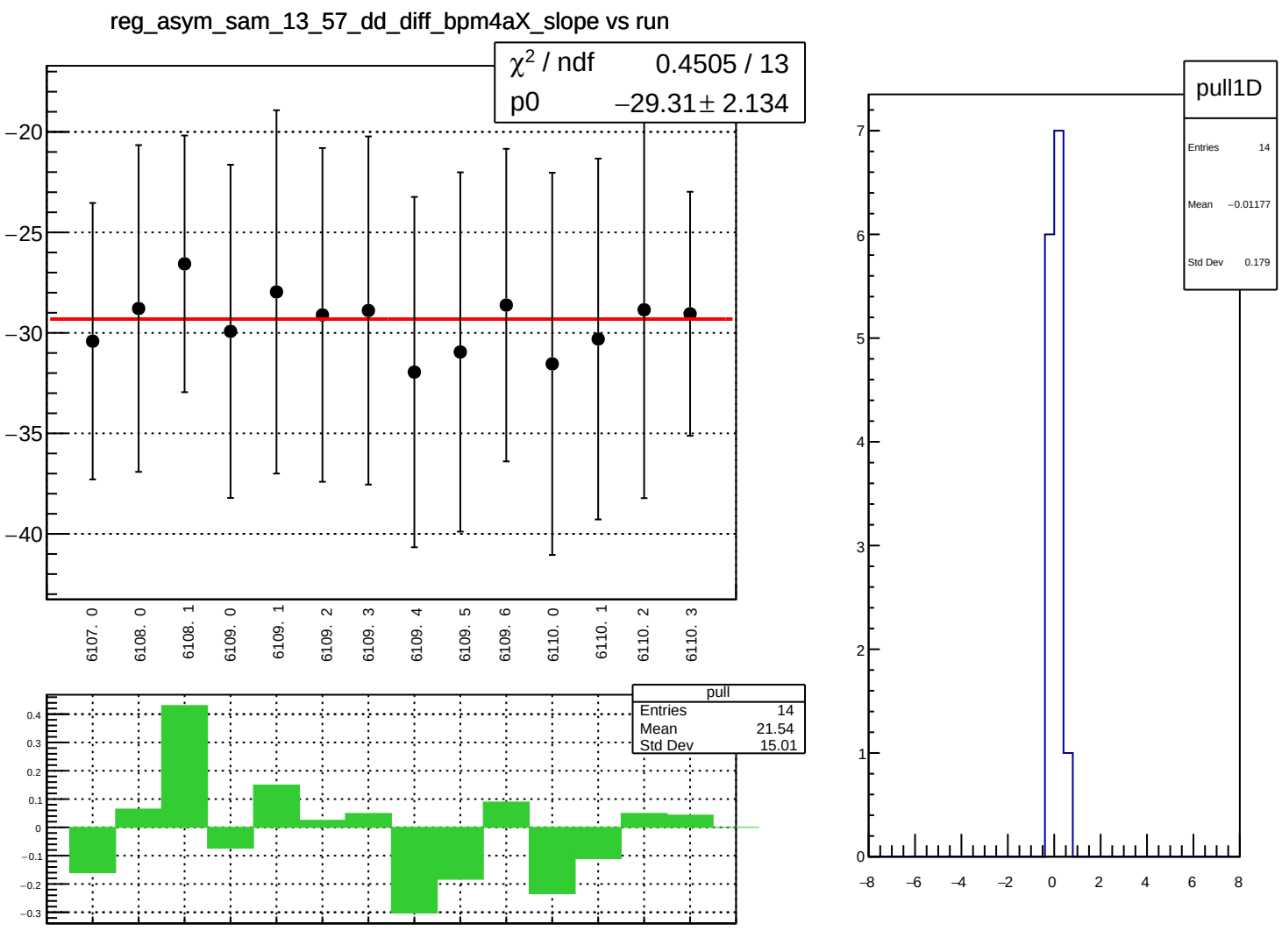

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.169 / 13
p0 28.44 ± 3.503
50
40
30
20
10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 35.22
Std Dev 28.95
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.01688
Std Dev 0.2885
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

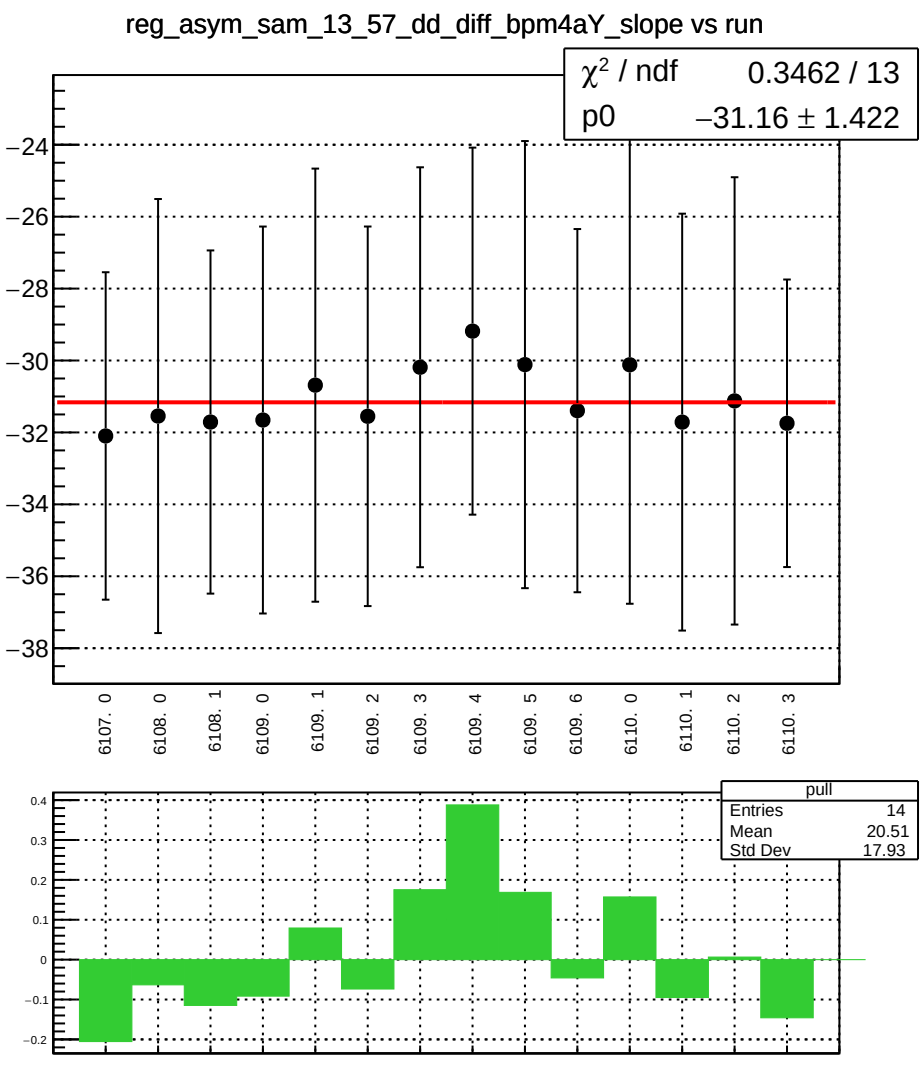

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.908 / 13
p0 −35.19 ± 6.102
20
0
−20
−40
−60
−80
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.64
Std Dev 17.05
1.5
1
0.5
0
−0.5
pull1D
Entries 14
Mean −0.0507
Std Dev 0.5259
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

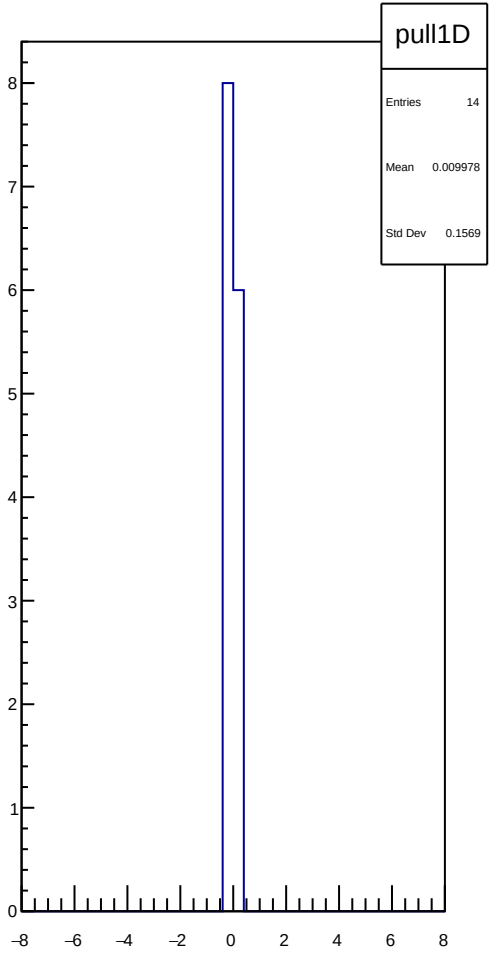

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.352 / 13
p0 109.9 ± 3.706
130
120
110
100
90
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 46.68
Std Dev 39.91
0.4
0.2
0
−0.2
−0.4
−0.6

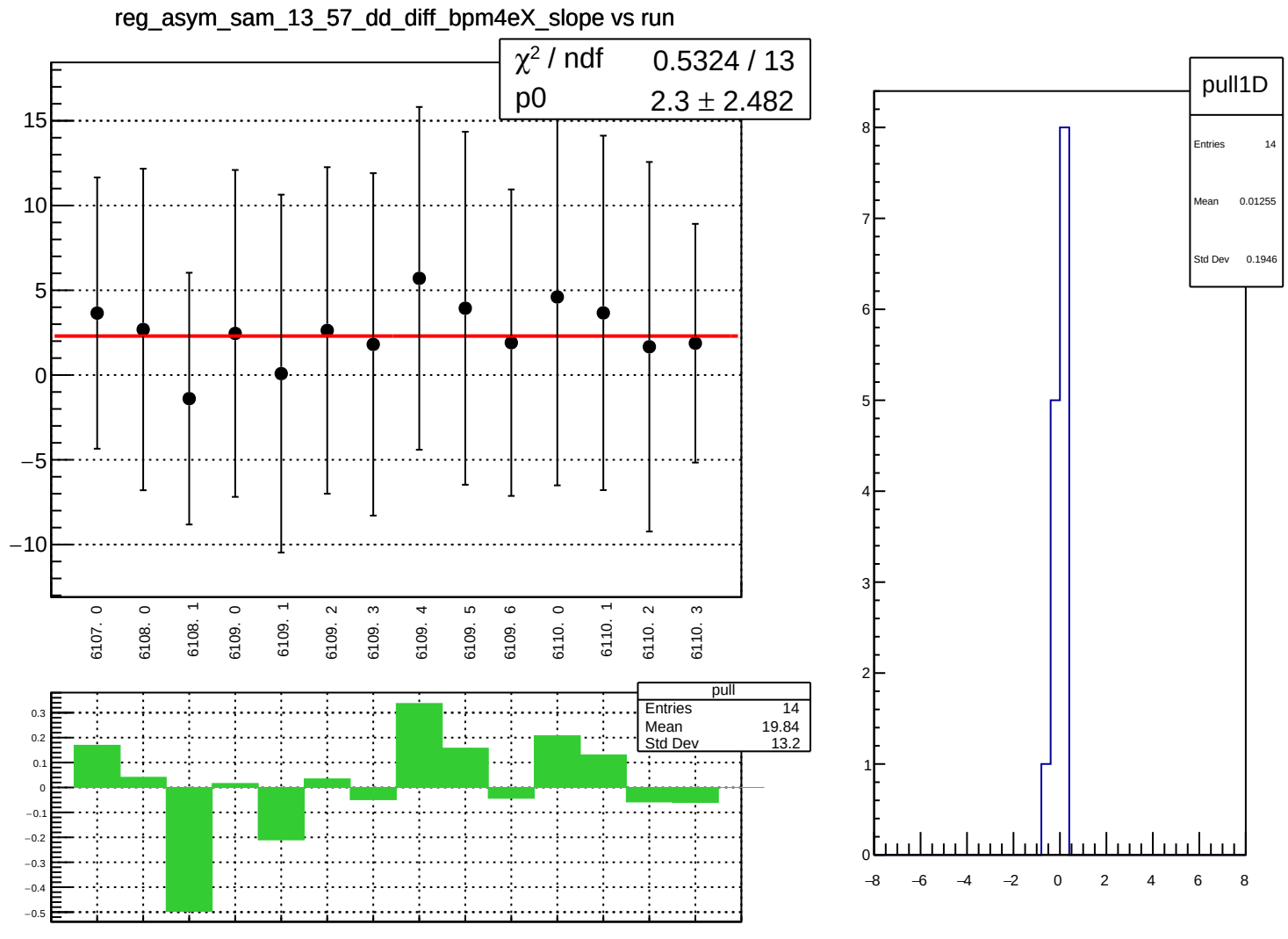

pull1D
Entries 14
Mean 0.01452
Std Dev 0.3104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

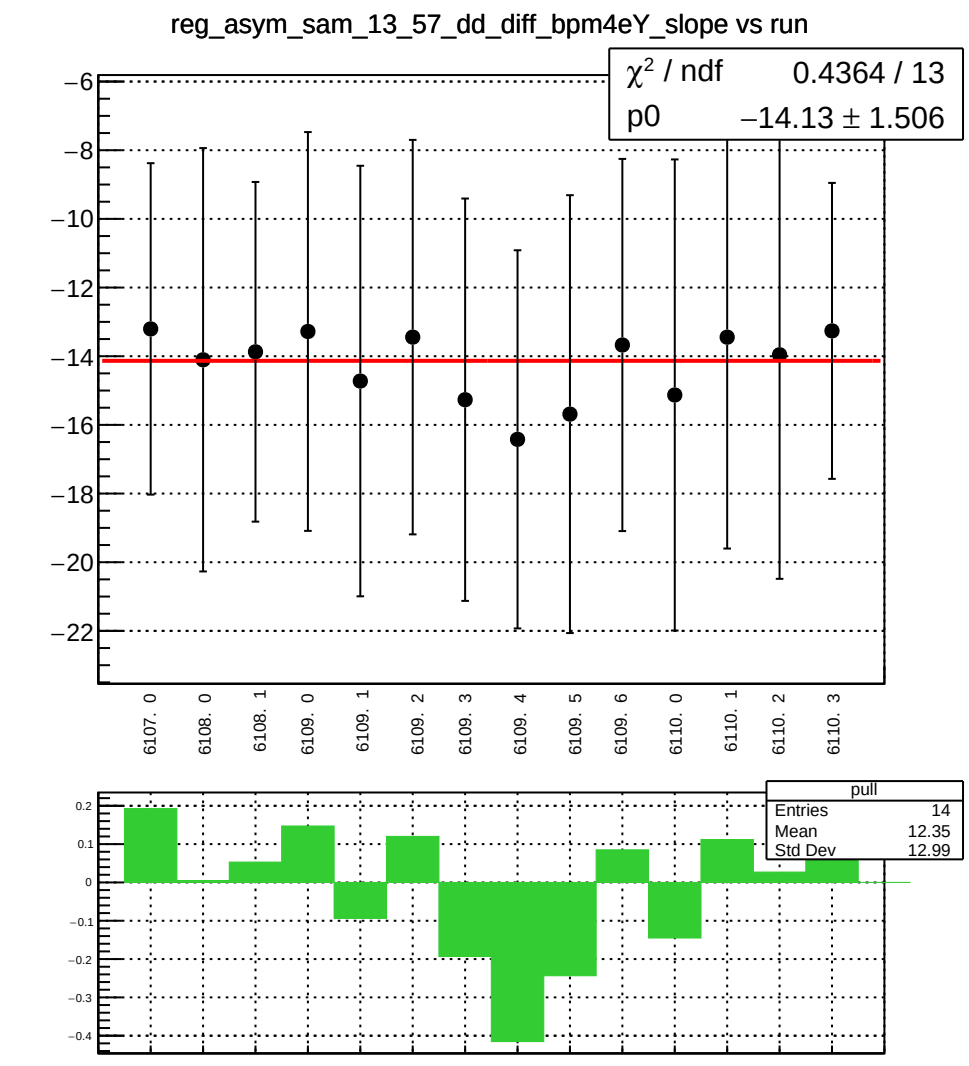

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.254 / 13
p0 −1.24 ± 0.2622
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.08
Std Dev 13.29
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean 0.02638
Std Dev 0.2981
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

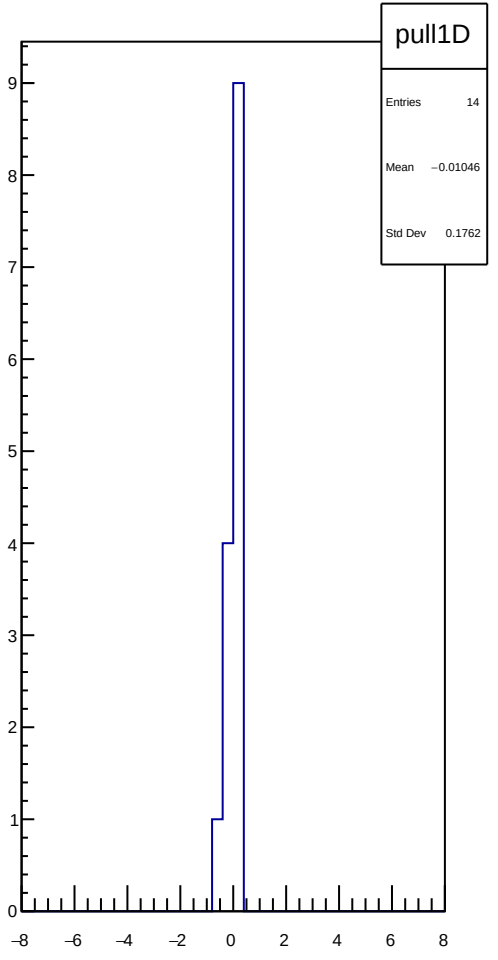

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4505 / 13
p0 −29.31 ± 2.134
−20
−25
−30
−35
−40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.54
Std Dev 15.01
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean −0.01177
Std Dev 0.179
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

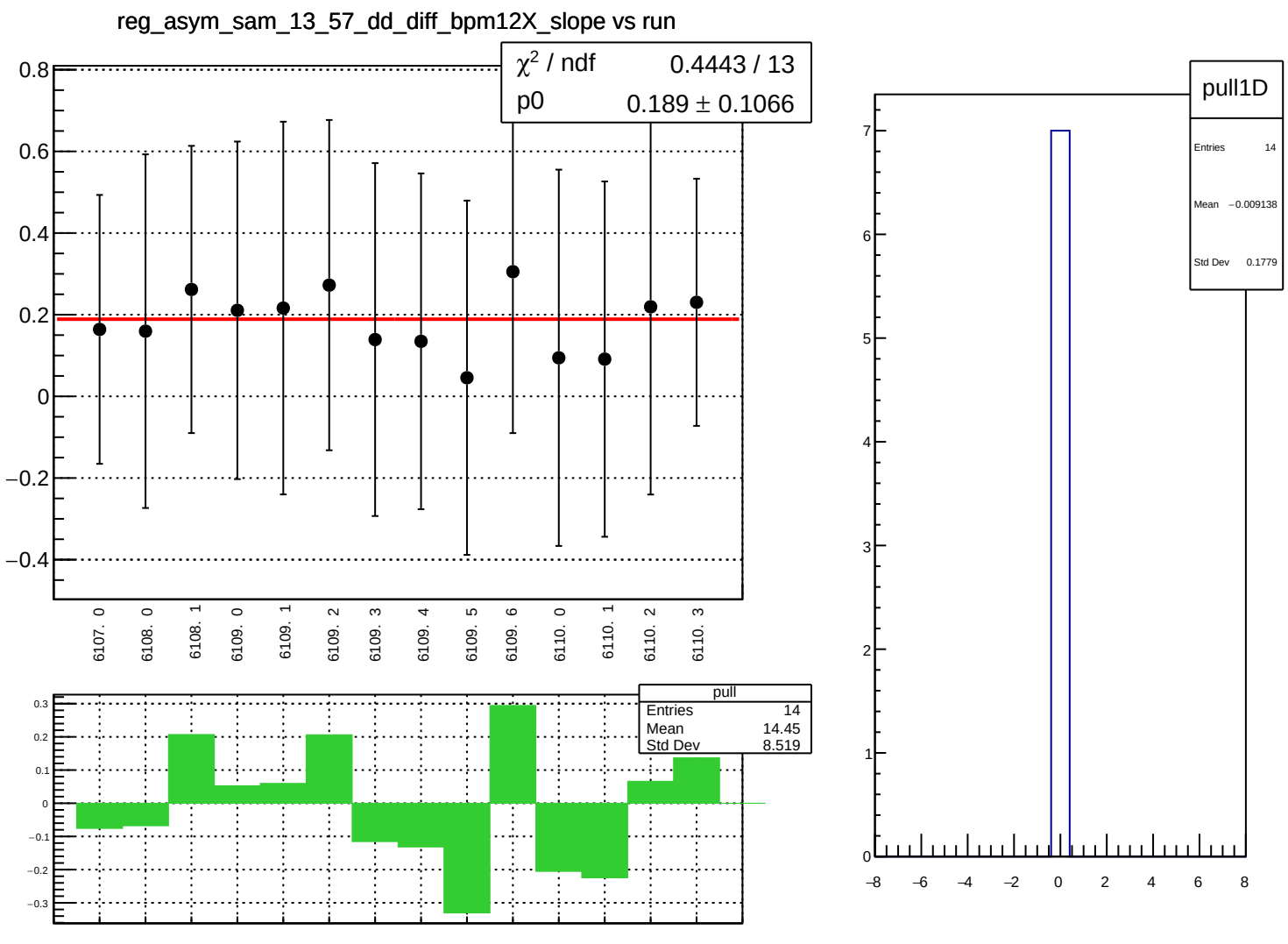

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3462 / 13
p0 −31.16 ± 1.422
−24
−26
−28
−30
−32
−34
−36
−38
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 20.51
Std Dev 17.93
0.4
0.3
0.2
0.1
0
−0.1
−0.2

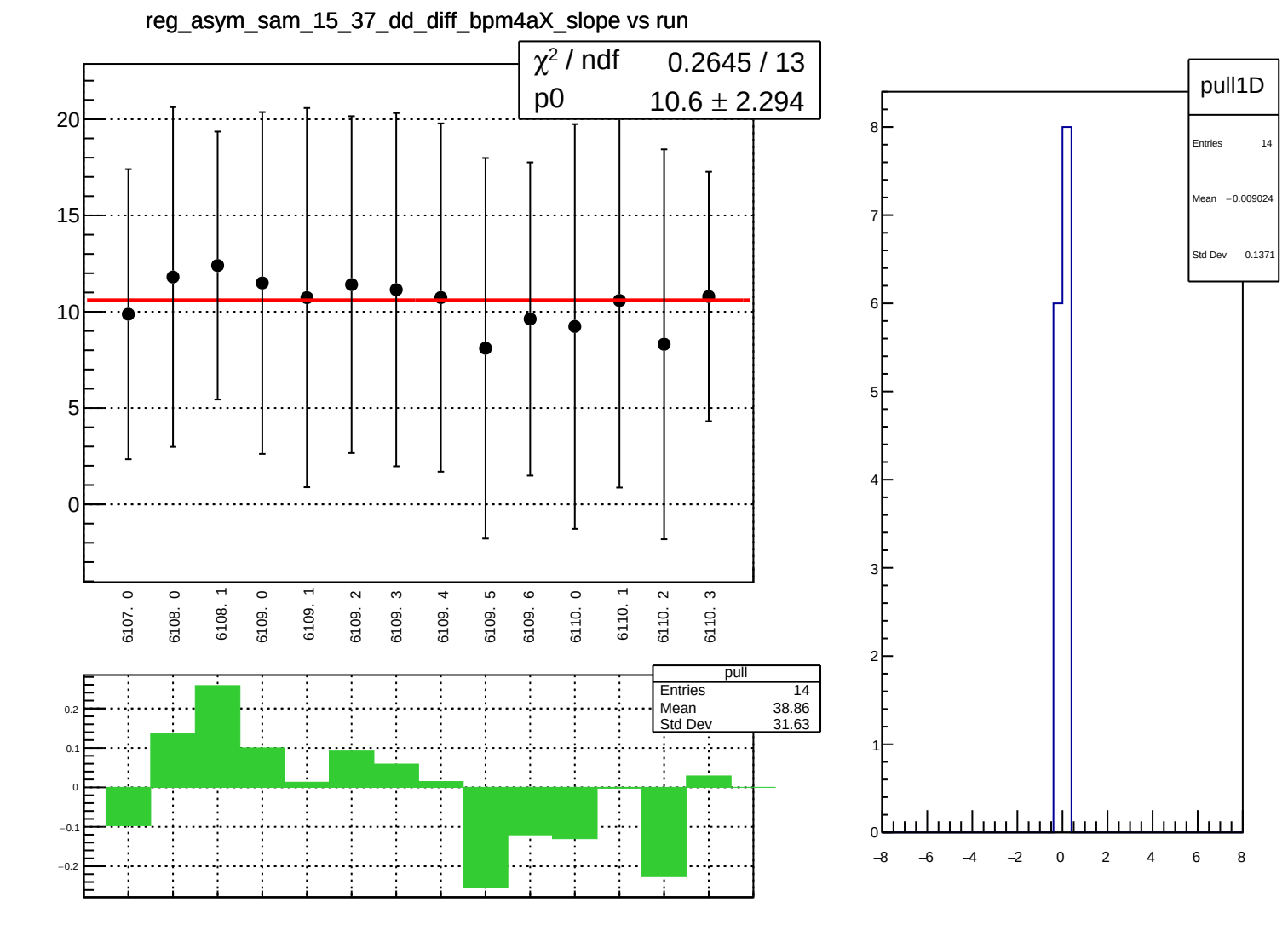

pull1D
Entries 14
Mean 0.009978
Std Dev 0.1569
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

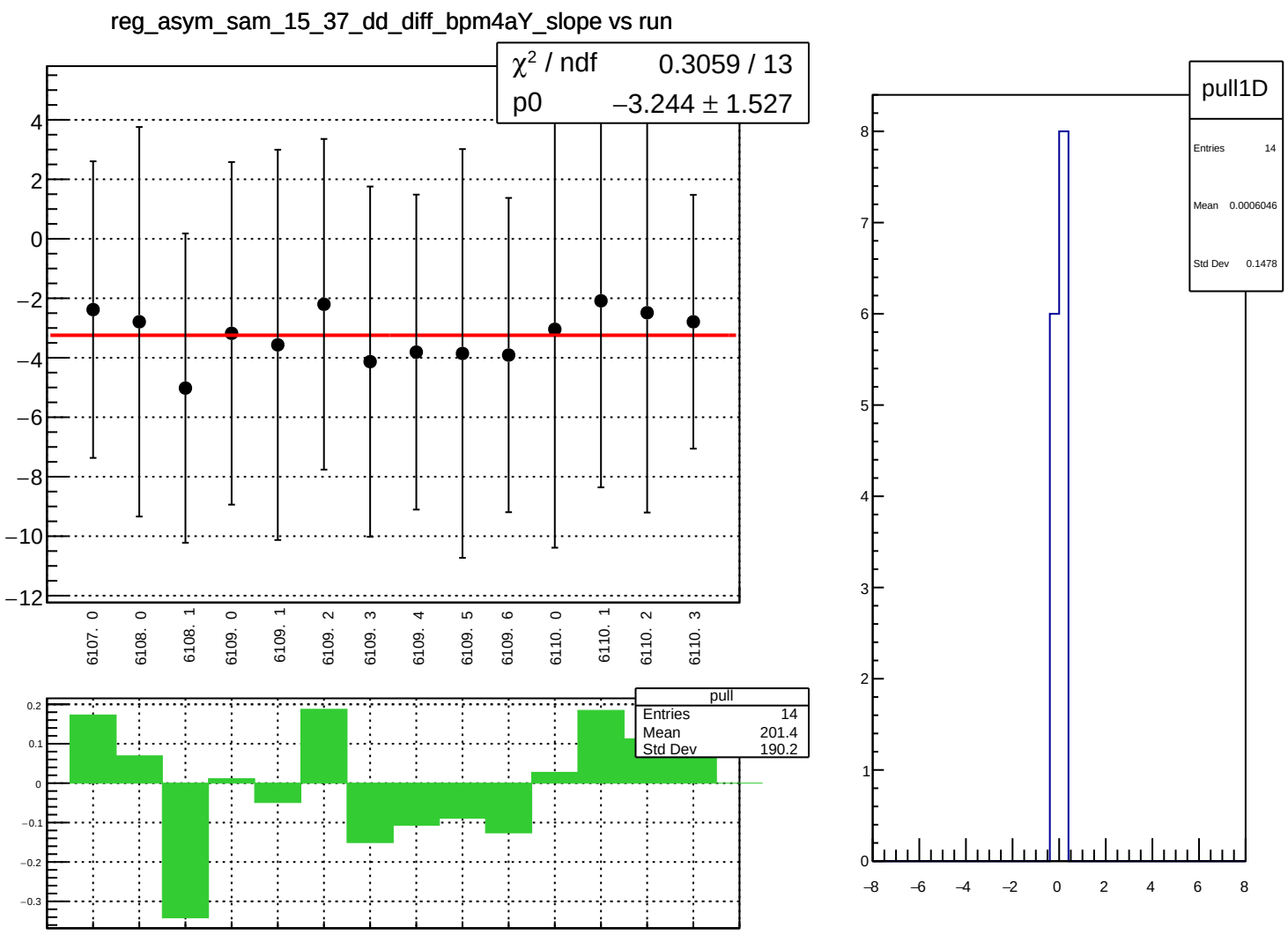

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5324 / 13
p0 2.3 ± 2.482
15
10
5
0
−5
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.84
Std Dev 13.2
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 14
Mean 0.01255
Std Dev 0.1946
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

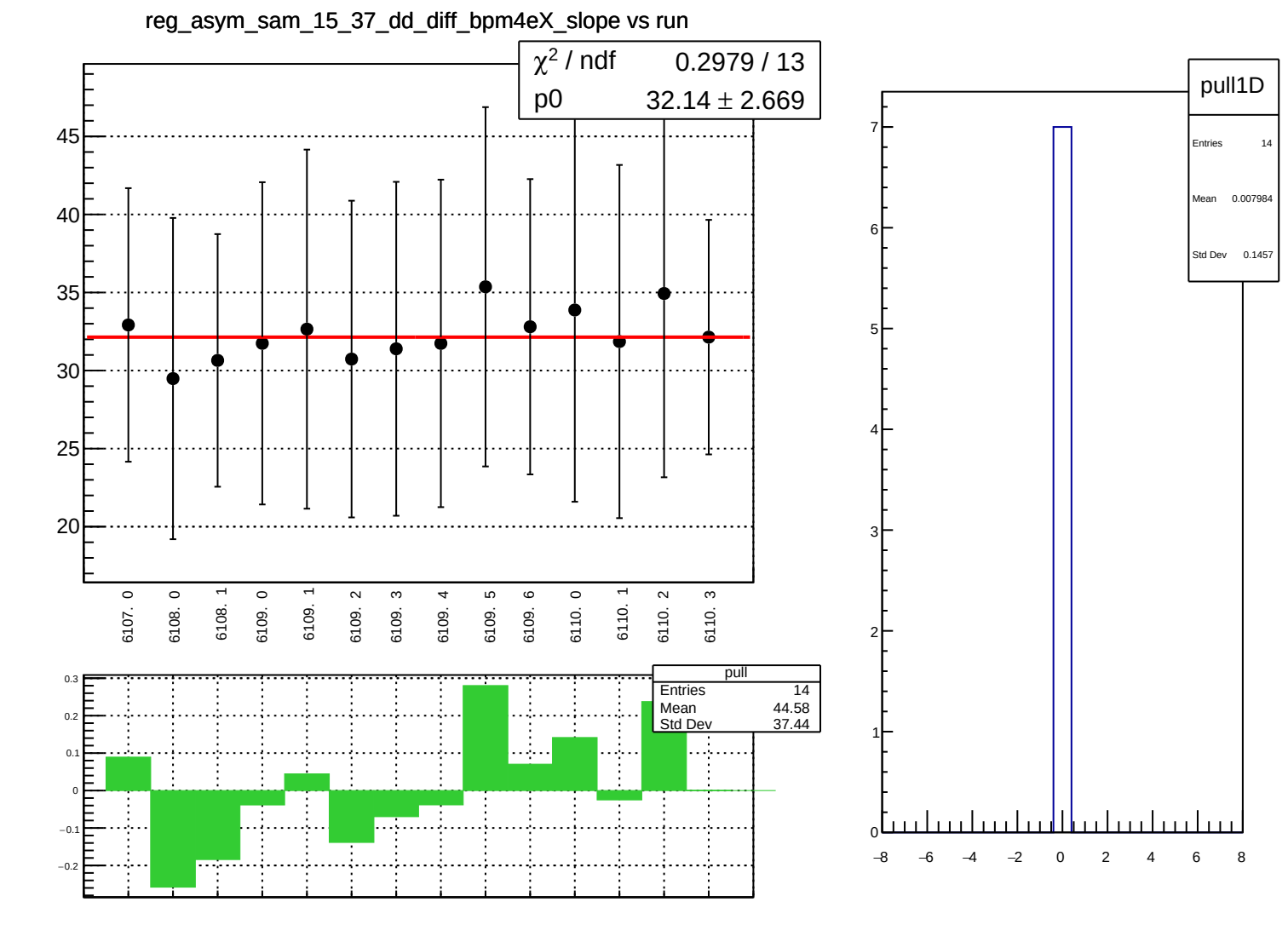

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.4364 / 13
p0 −14.13 ± 1.506
−6
−8
−10
−12
−14
−16
−18
−20
−22
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 12.35
Std Dev 12.99
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

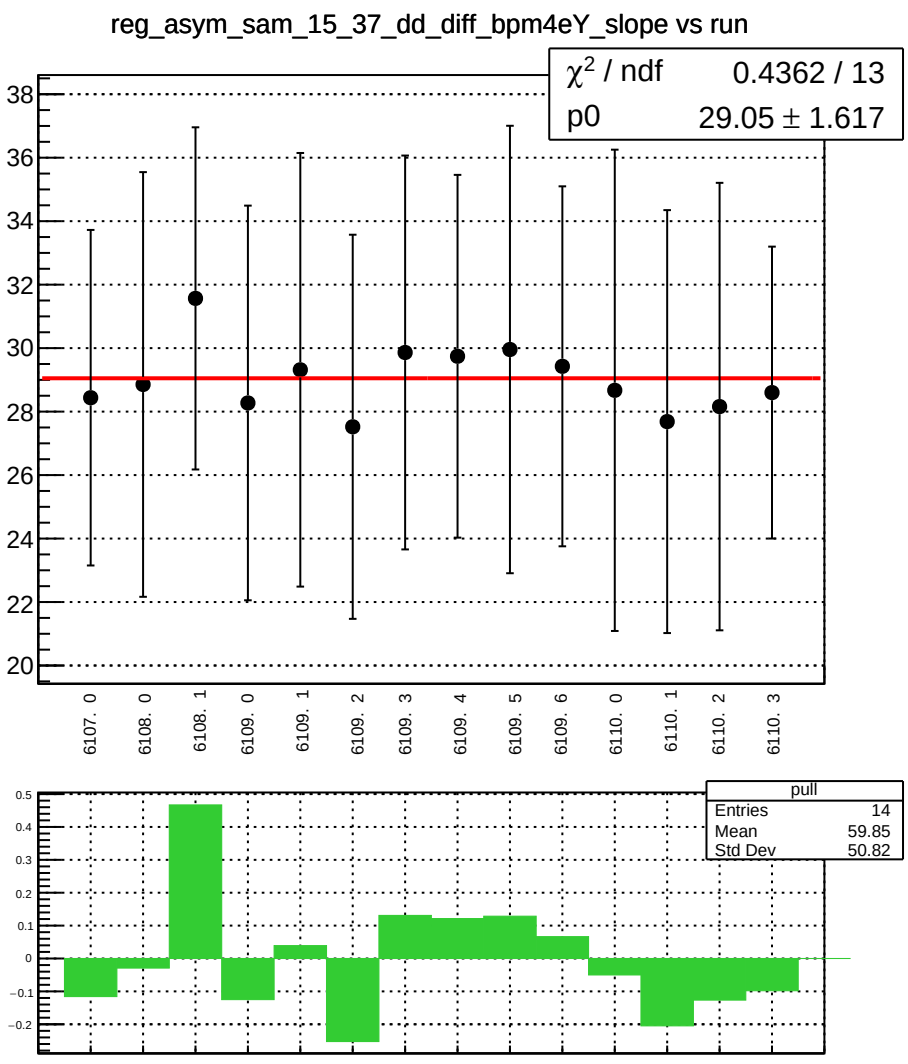

pull1D
Entries 14
Mean −0.01046
Std Dev 0.1762
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

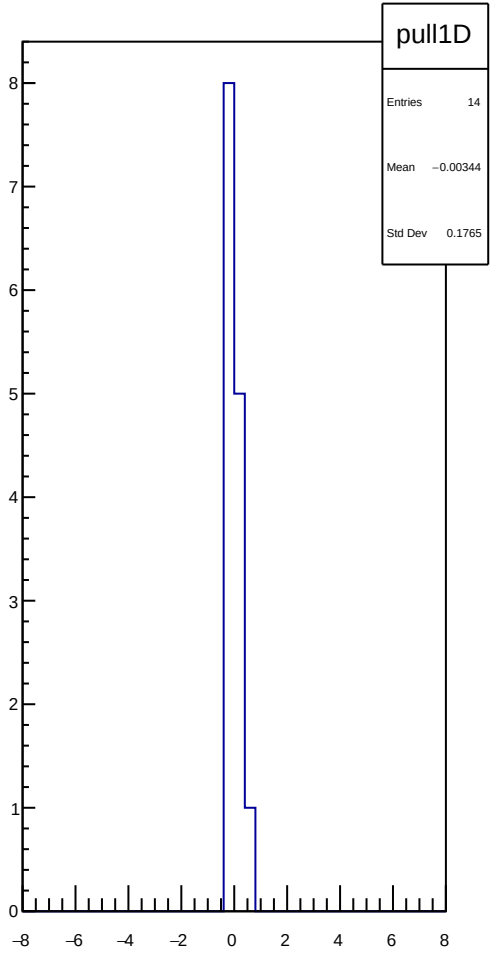

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 0.4443 / 13
p0 0.189 ± 0.1066
0.8
0.6
0.4
0.2
0
−0.2
−0.4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 14.45
Std Dev 8.519
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean −0.009138
Std Dev 0.1779
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

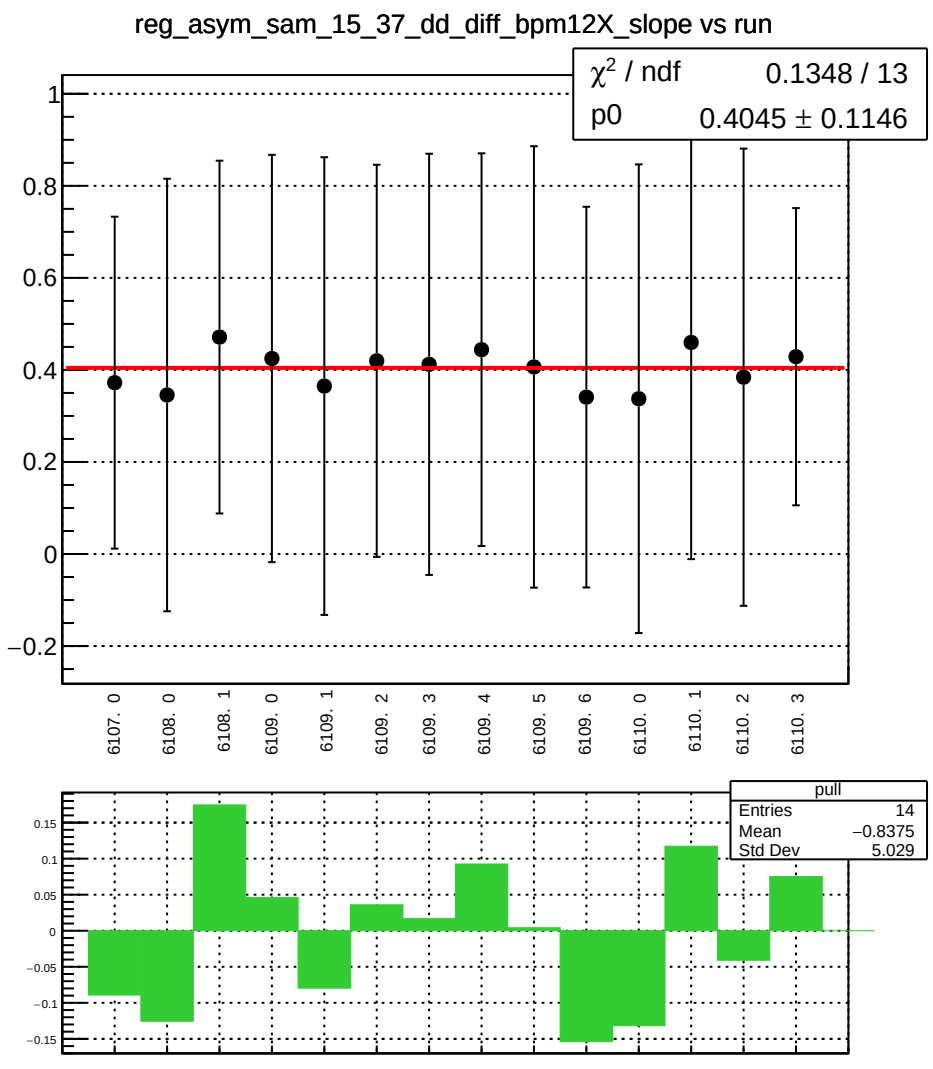

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.2645 / 13
p0 10.6 ± 2.294
20
15
10
5
0
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 38.86
Std Dev 31.63
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 14
Mean −0.009024
Std Dev 0.1371
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

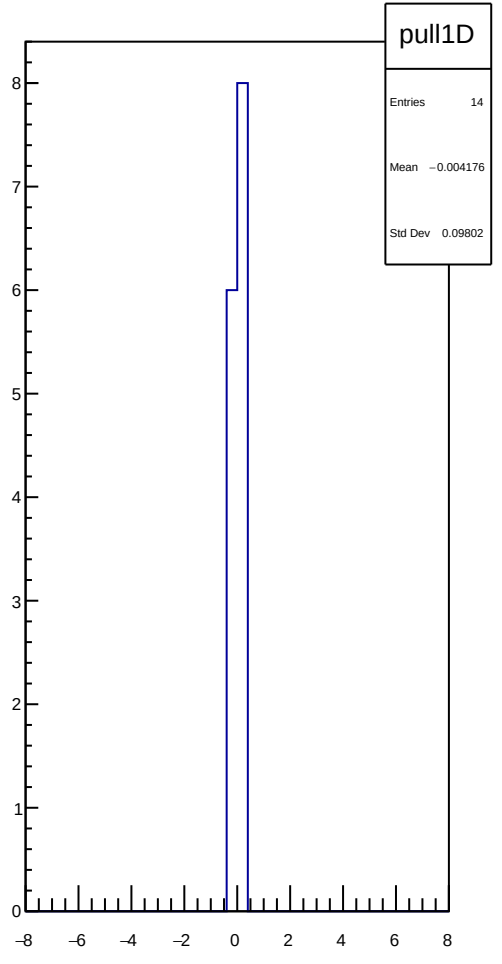

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3059 / 13
p0 −3.244 ± 1.527
4
2
0
−2
−4
−6
−8
−10
−12
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 201.4
Std Dev 190.2
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean 0.0006046
Std Dev 0.1478
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

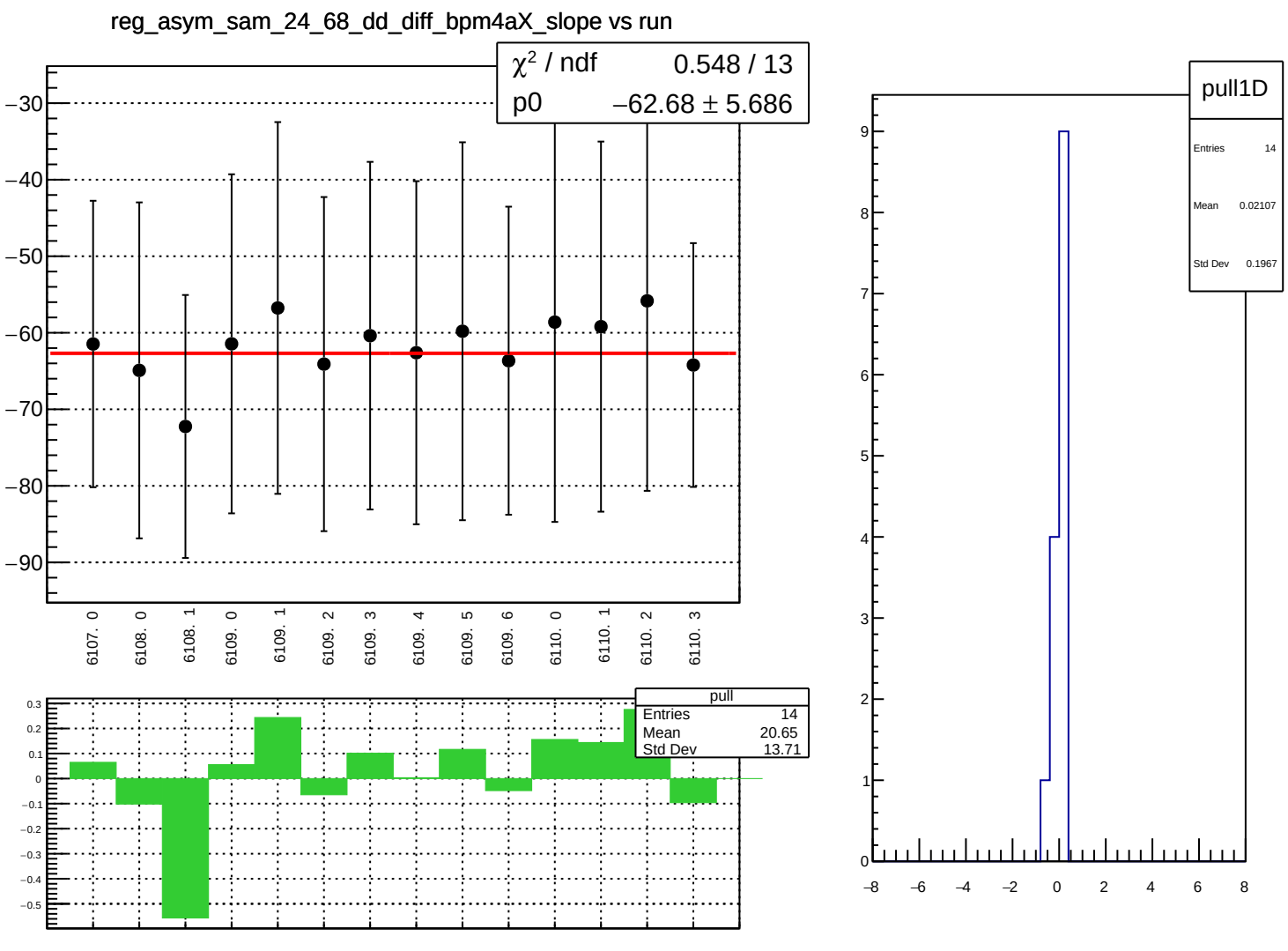

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.2979 / 13
p0 32.14 ± 2.669
45
40
35
30
25
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 44.58
Std Dev 37.44
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 14
Mean 0.007984
Std Dev 0.1457
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

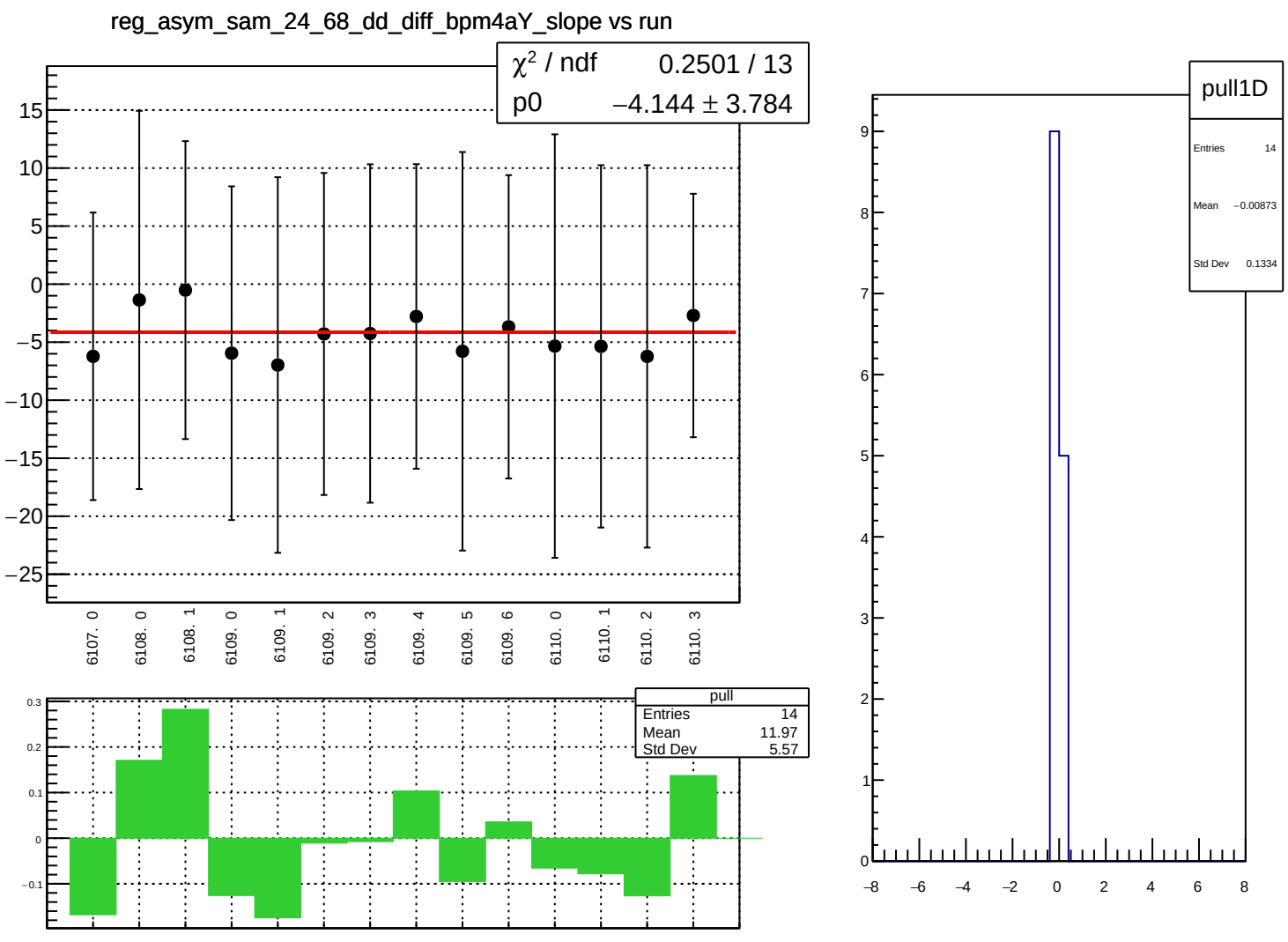

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.4362 / 13
p0 29.05 ± 1.617
38
36
34
32
30
28
26
24
22
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 59.85
Std Dev 50.82
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2

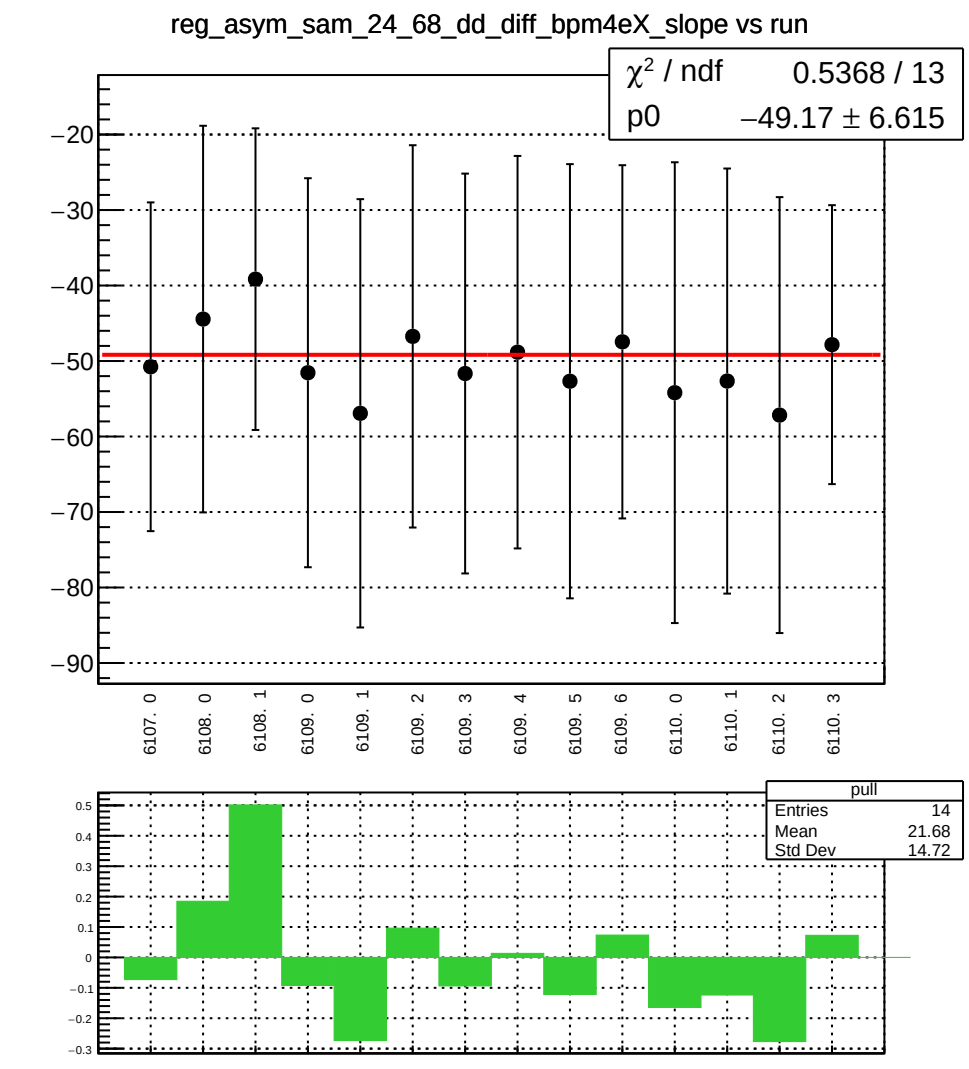

pull1D
Entries 14
Mean −0.00344
Std Dev 0.1765
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

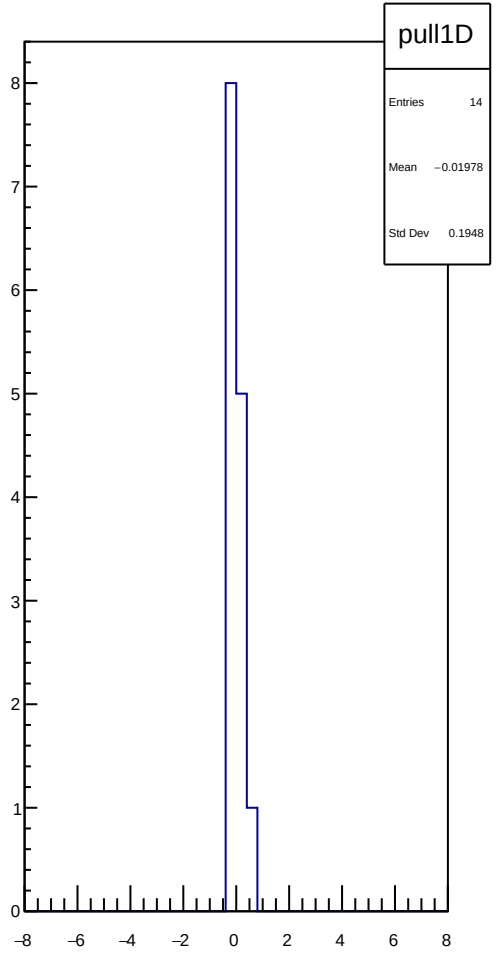

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.1348 / 13
p0 0.4045 ± 0.1146
1
0.8
0.6
0.4
0.2
0
−0.2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −0.8375
Std Dev 5.029
0.15
0.1
0.05
0
−0.05
−0.1
−0.15

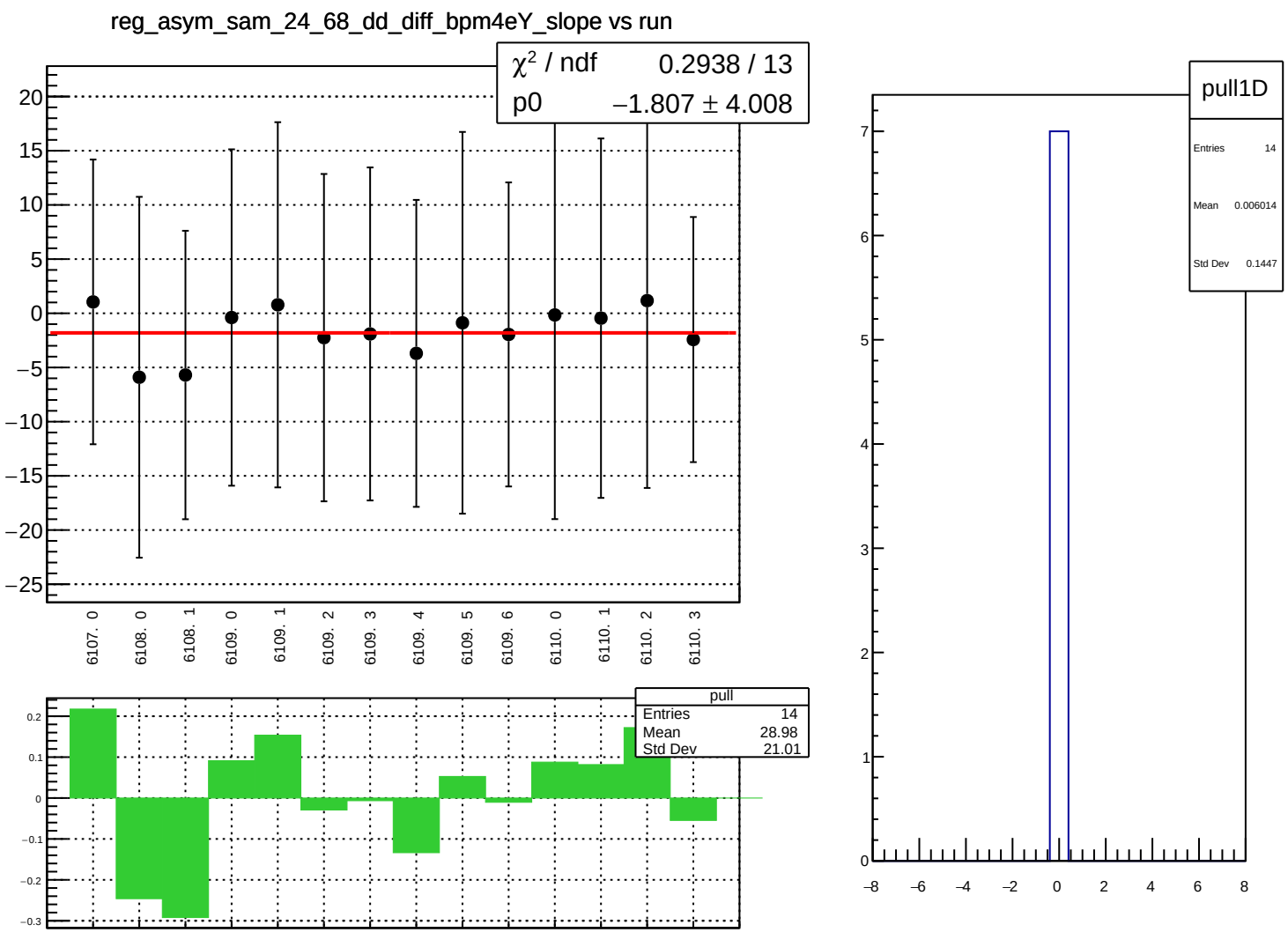

pull1D
Entries 14
Mean −0.004176
Std Dev 0.09802
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

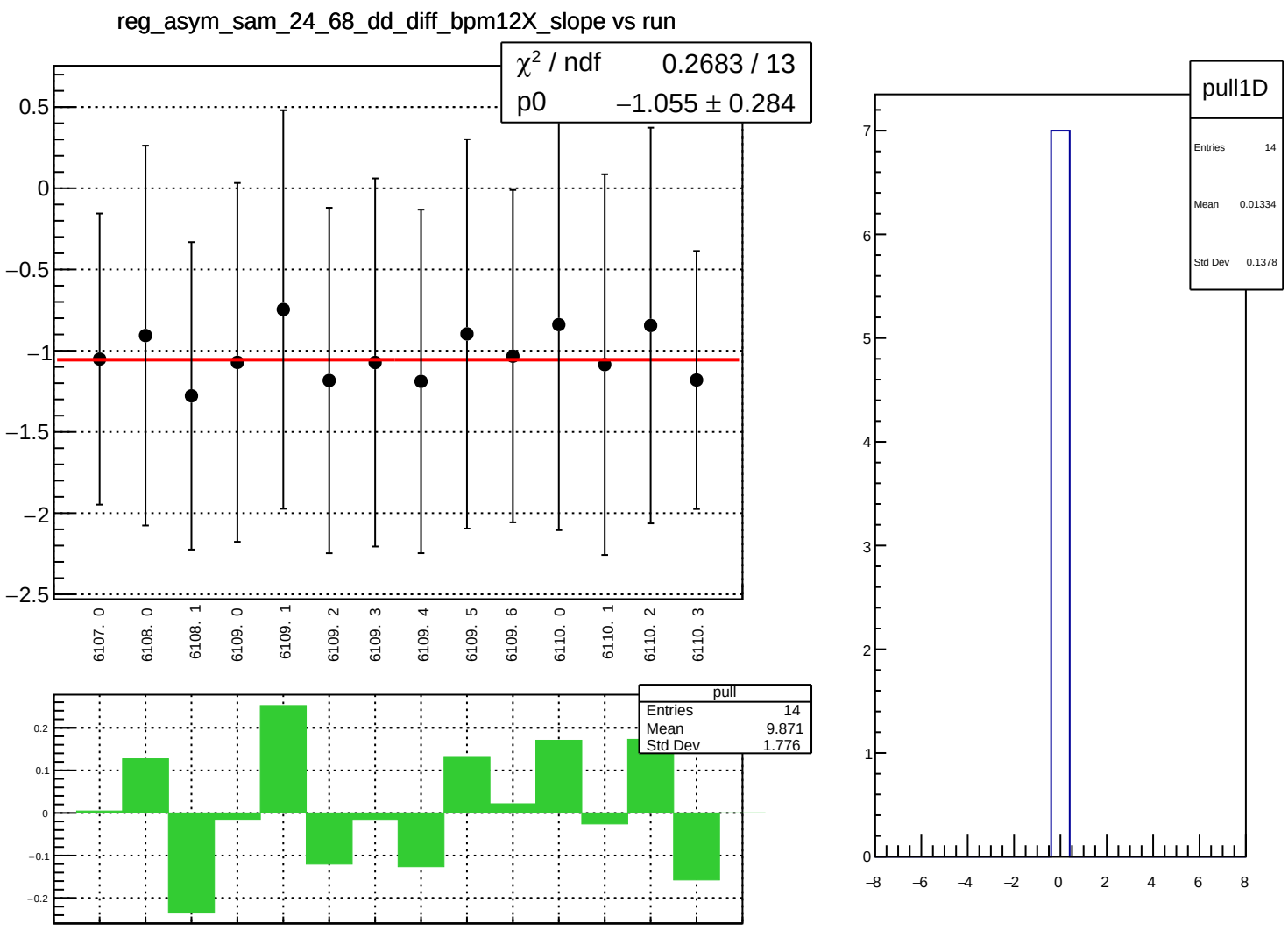

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.548 / 13
p0 −62.68 ± 5.686
−30
−40
−50
−60
−70
−80
−90
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 20.65
Std Dev 13.71
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 14
Mean 0.02107
Std Dev 0.1967
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

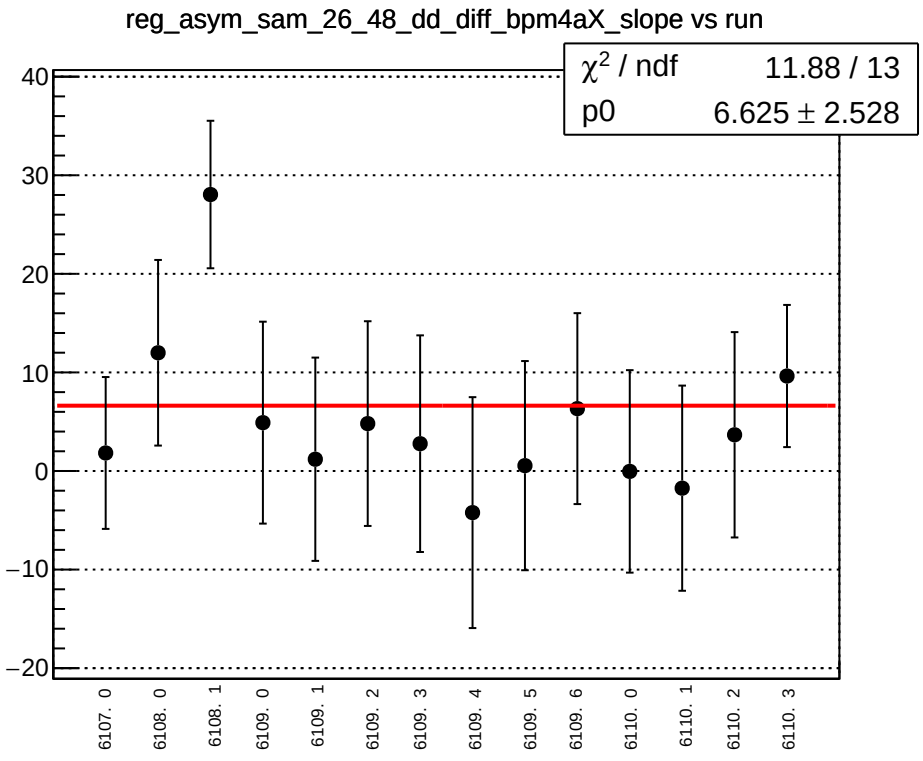

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.2501 / 13
p0 −4.144 ± 3.784
15
10
5
0
−5
−10
−15
−20
−25
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 11.97
Std Dev 5.57
0.3
0.2
0.1
0
−0.1
pull1D
Entries 14
Mean −0.00873
Std Dev 0.1334
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

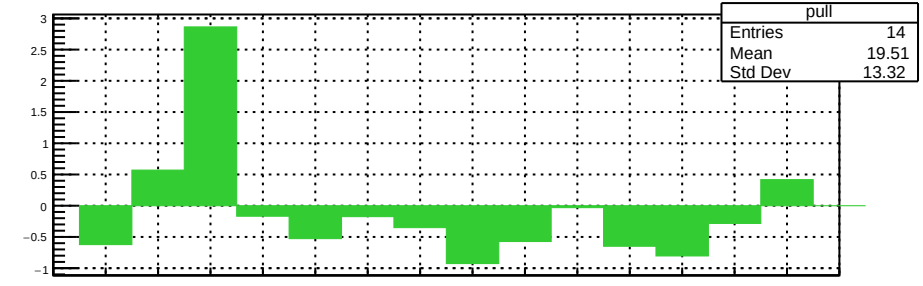

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5368 / 13
p0 −49.17 ± 6.615
−20
−30
−40
−50
−60
−70
−80
−90
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.68
Std Dev 14.72
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

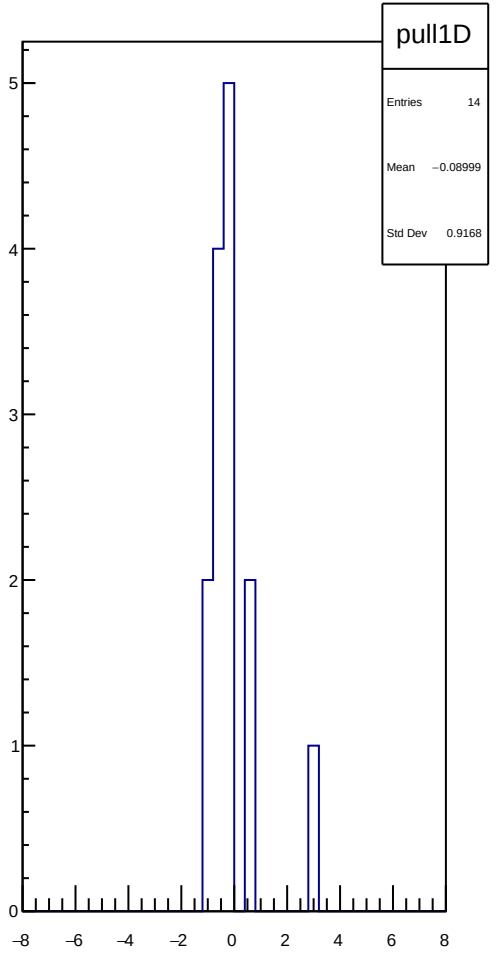

pull1D
Entries 14
Mean −0.01978
Std Dev 0.1948
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

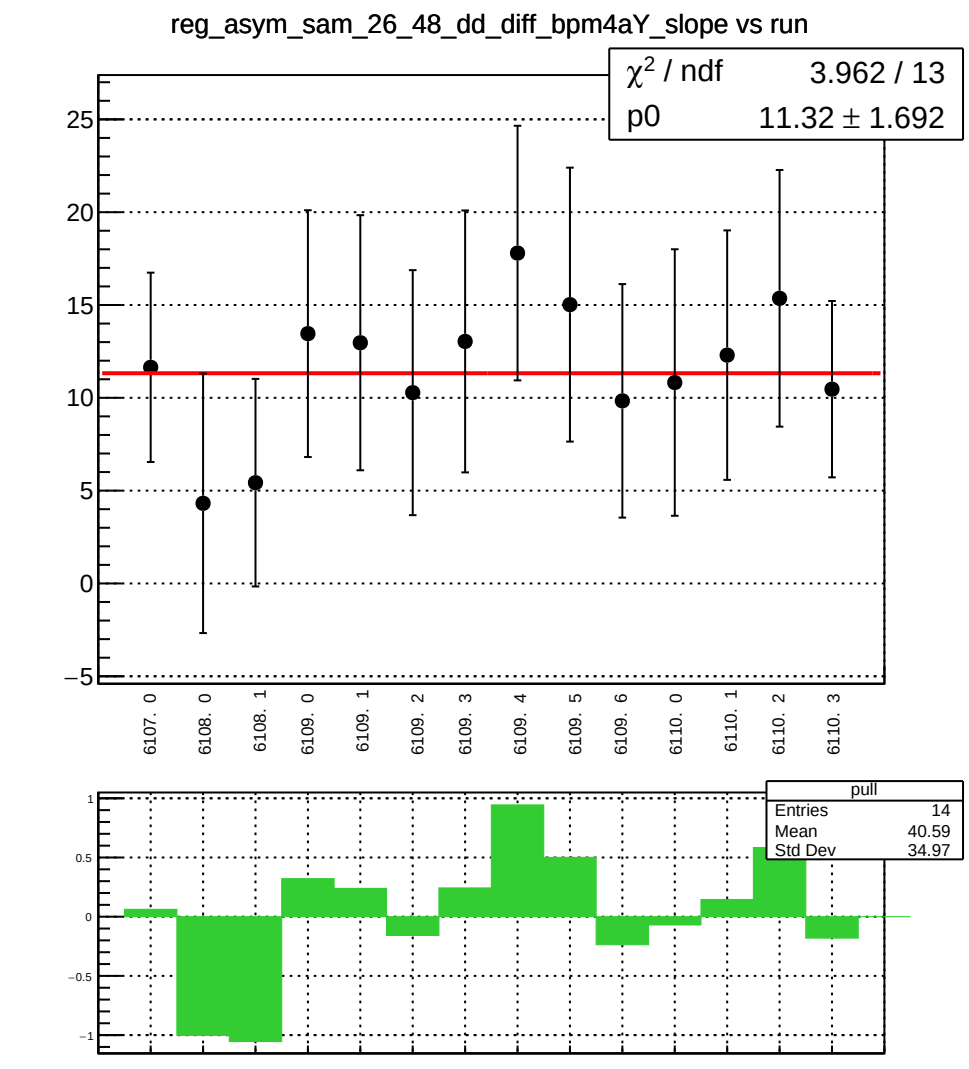

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.2938 / 13
p0 −1.807 ± 4.008
20
15
10
5
0
−5
−10
−15
−20
−25
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.98
Std Dev 21.01
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean 0.006014
Std Dev 0.1447
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

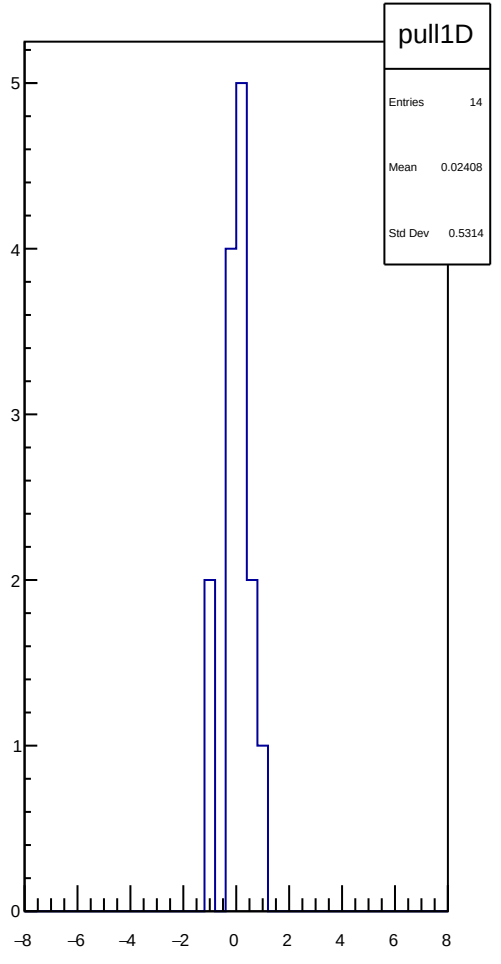

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.2683 / 13
p0 −1.055 ± 0.284
0.5
0
−0.5
−1
−1.5
−2
−2.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 9.871
Std Dev 1.776
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 14
Mean 0.01334
Std Dev 0.1378
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

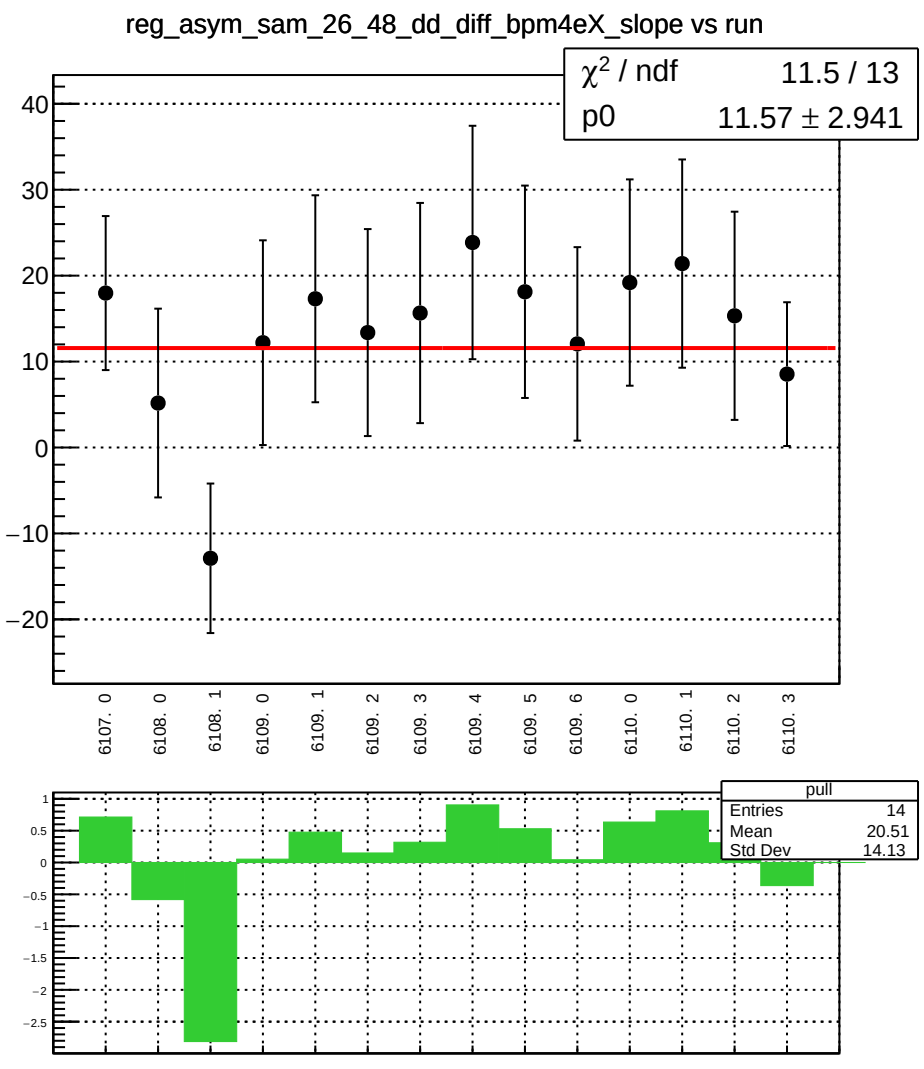

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.88 / 13
p0 6.625 ± 2.528
40
30
20
10
0
−10
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

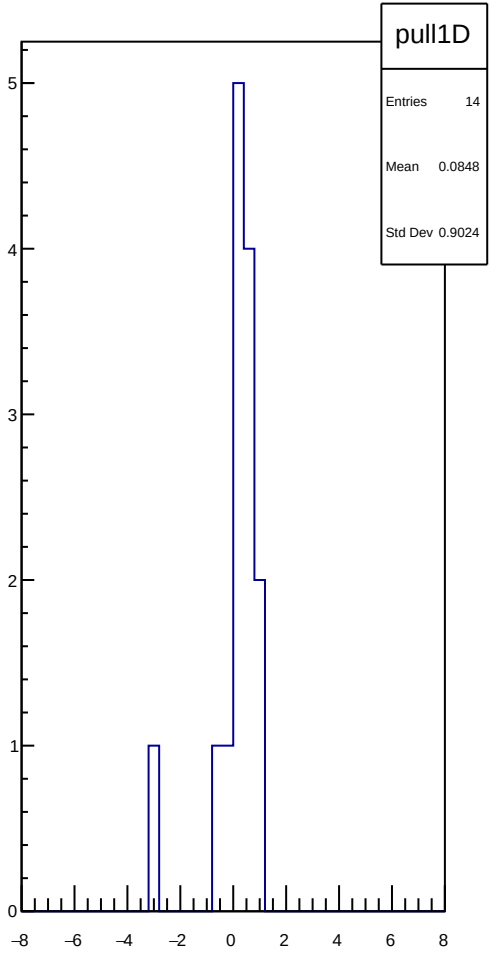

pull
Entries 14
Mean 19.51
Std Dev 13.32
3
2.5
2
1.5
1
0.5
0
−0.5
−1

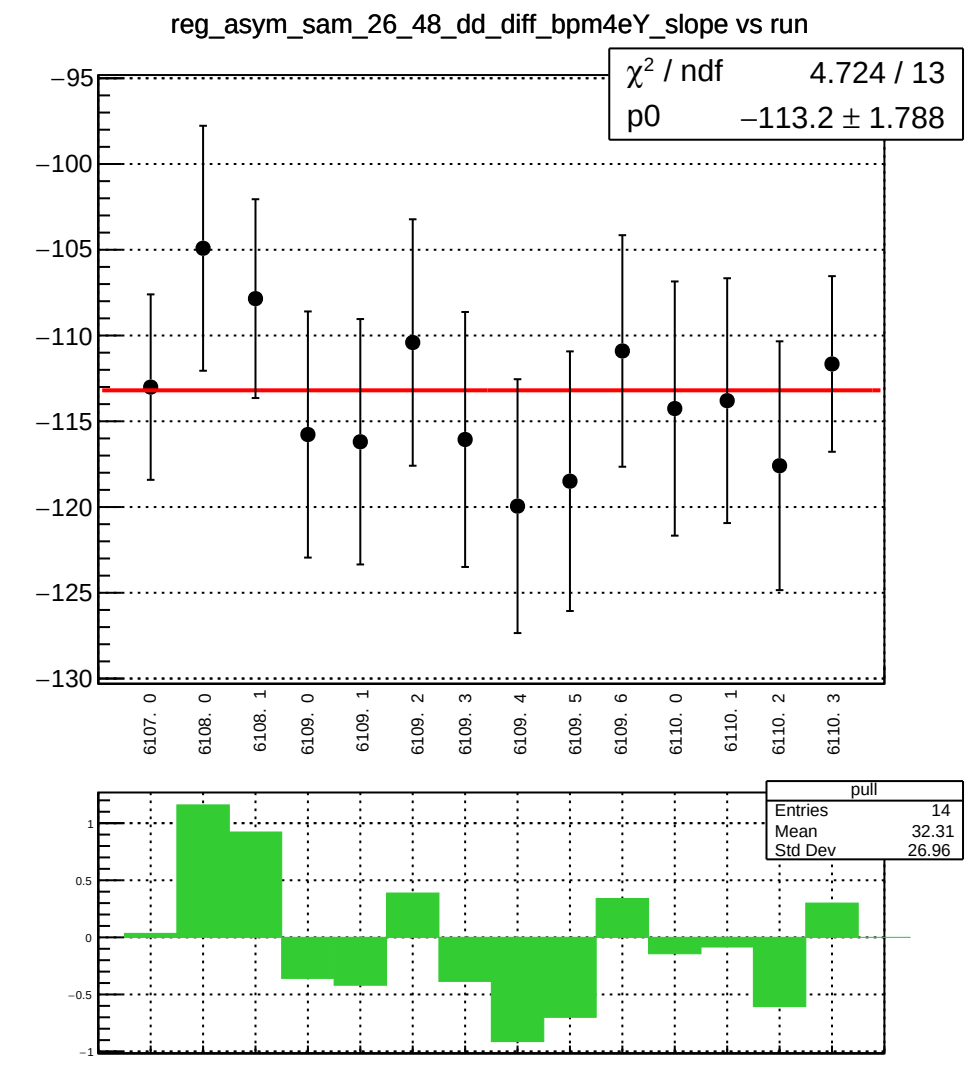

pull1D
Entries 14
Mean −0.08999
Std Dev 0.9168
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

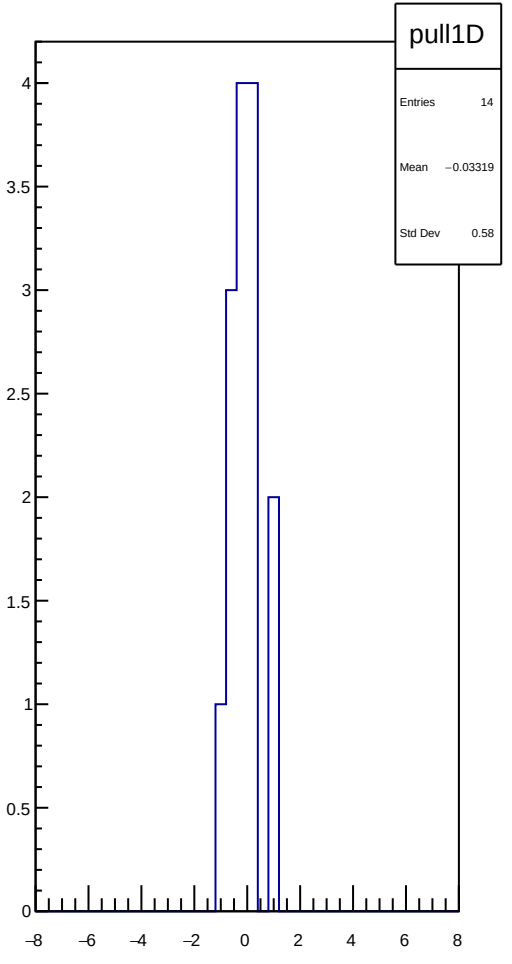

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.962 / 13
p0 11.32 ± 1.692
25
20
15
10
5
0
−5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 40.59
Std Dev 34.97
1
0.5
0
−0.5
−1

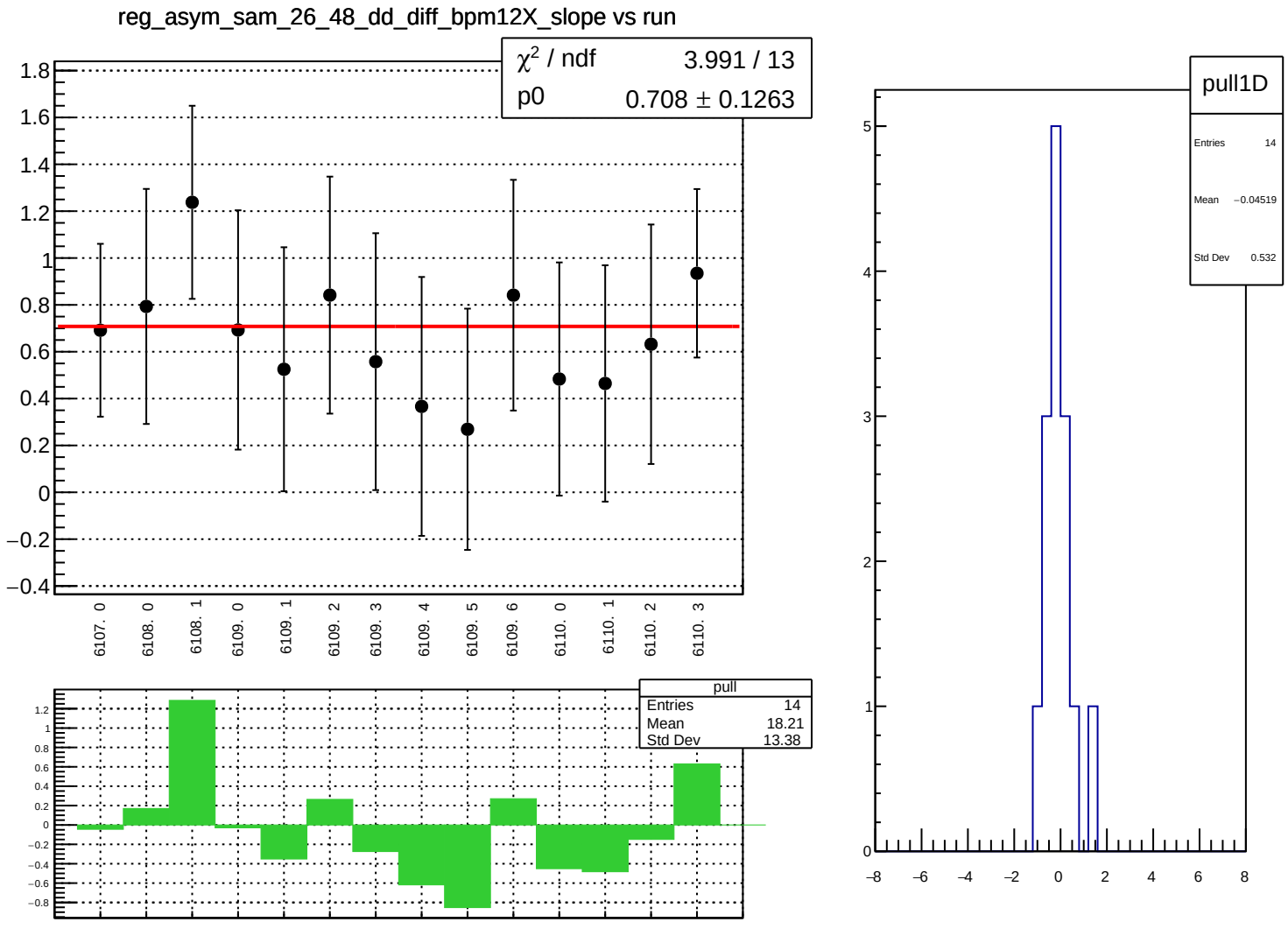

pull1D
Entries 14
Mean 0.02408
Std Dev 0.5314
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

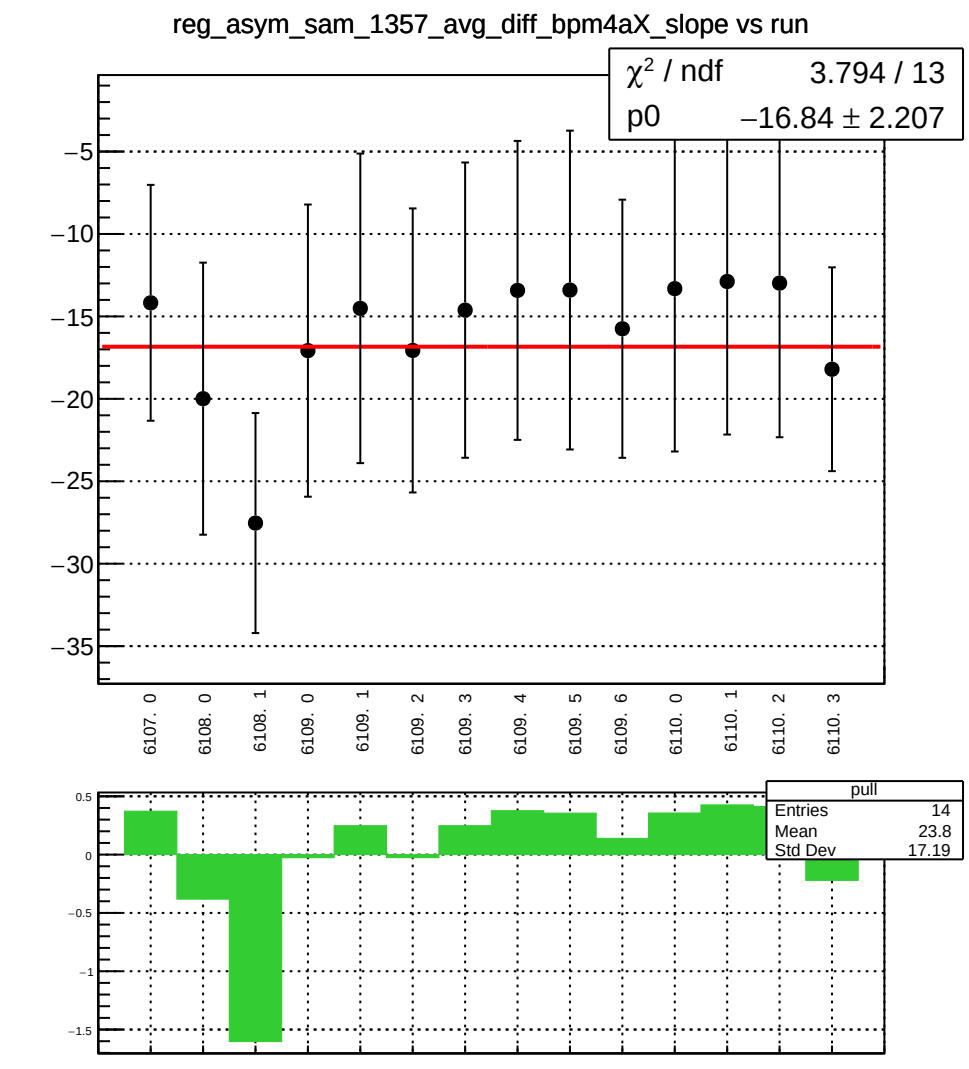

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.5 / 13
p0 11.57 ± 2.941
40
30
20
10
0
−10
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 20.51
Std Dev 14.13
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

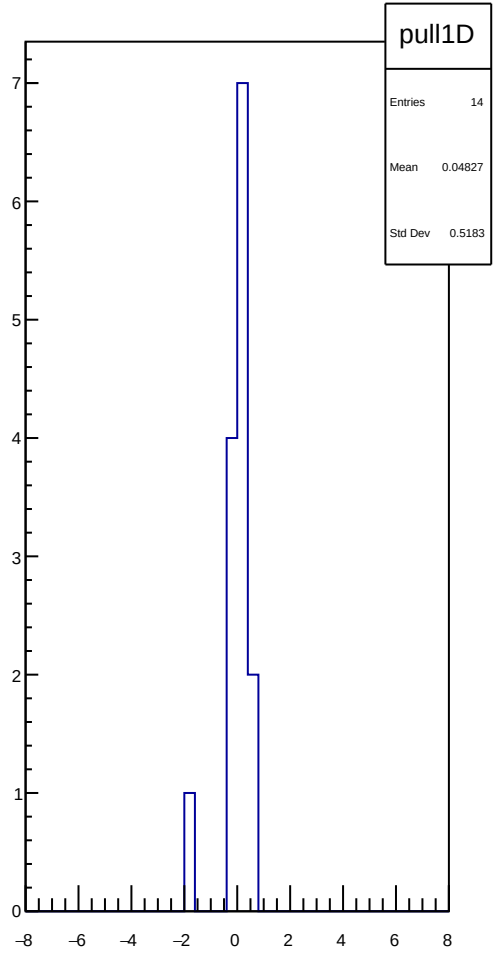

pull1D
Entries 14
Mean 0.0848
Std Dev 0.9024
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

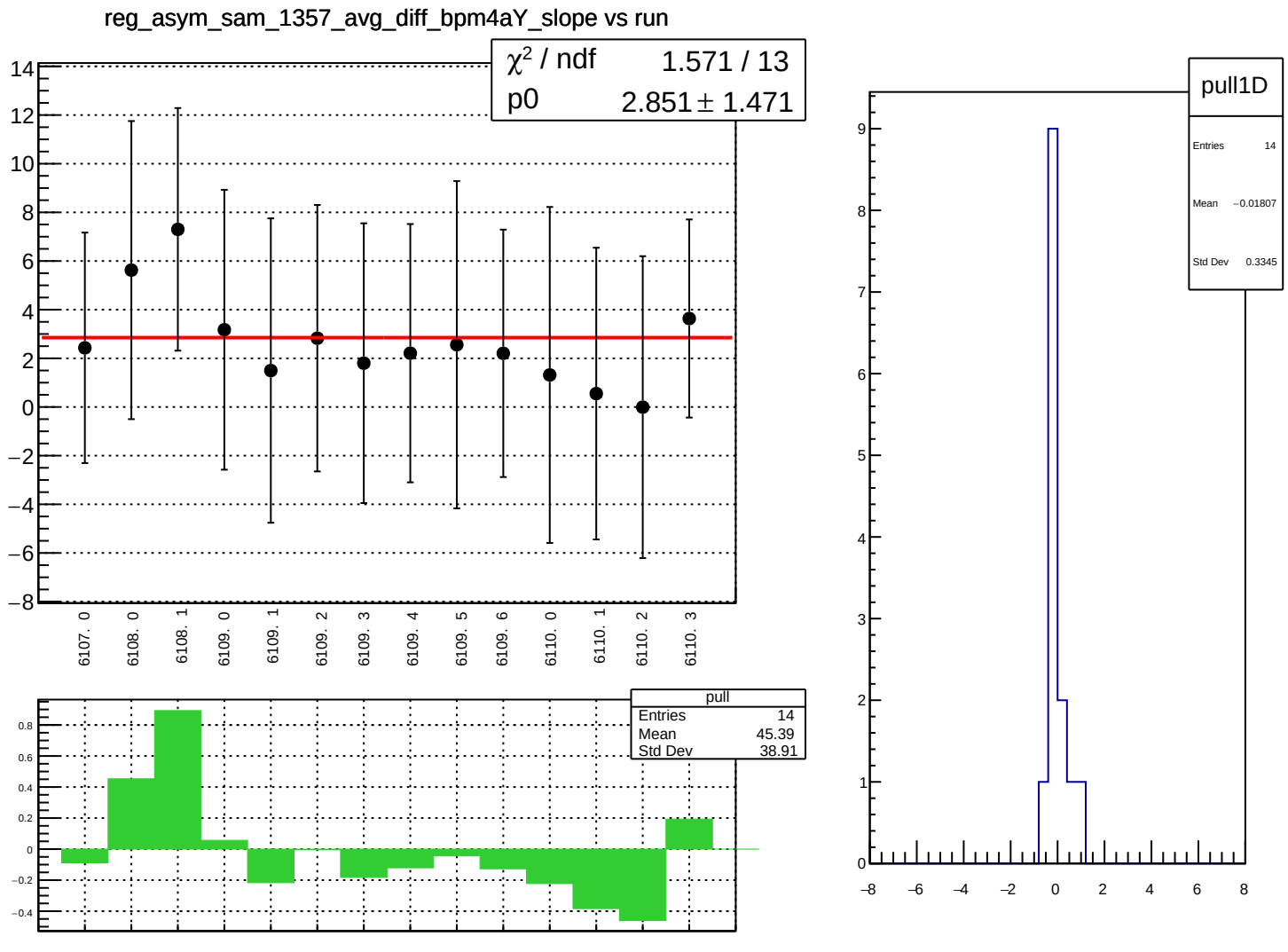

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.724 / 13
p0 −113.2 ± 1.788
−95
−100
−105
−110
−115
−120
−125
−130
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 32.31
Std Dev 26.96
1
0.5
0
−0.5
−1

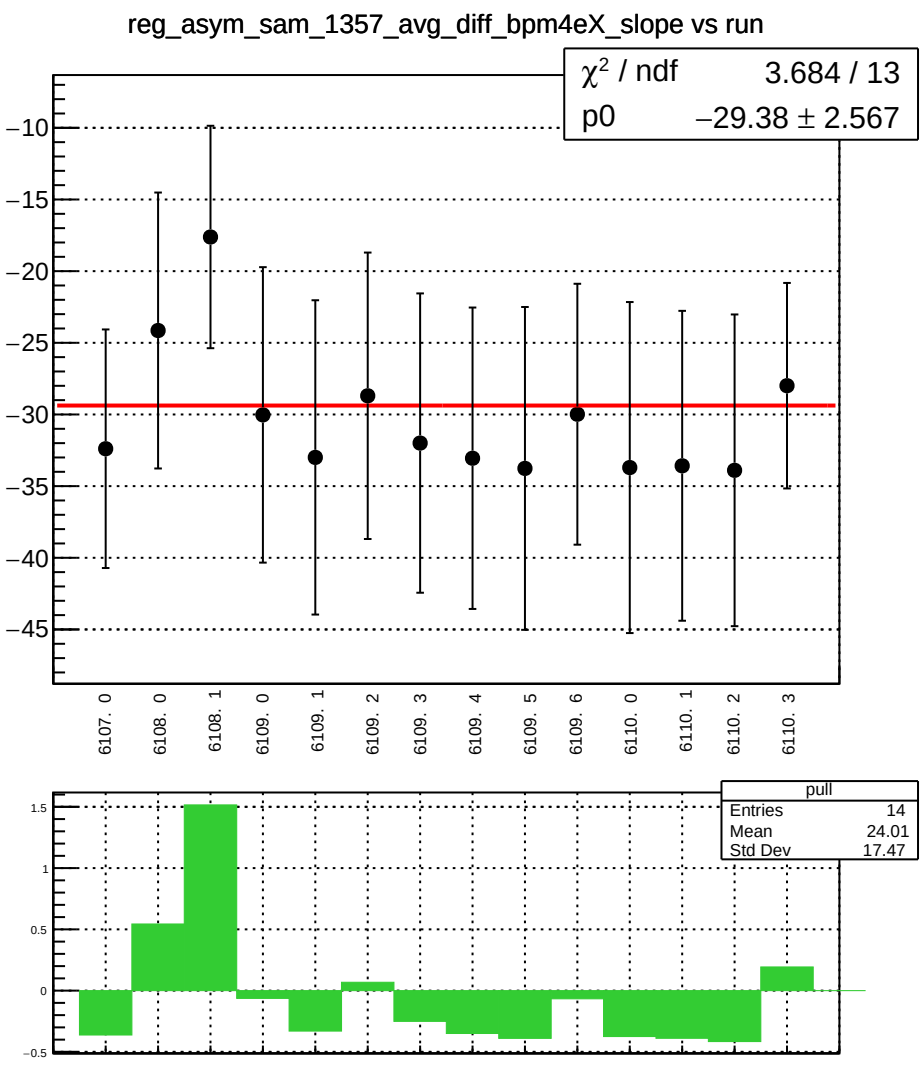

pull1D
Entries 14
Mean −0.03319
Std Dev 0.58
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

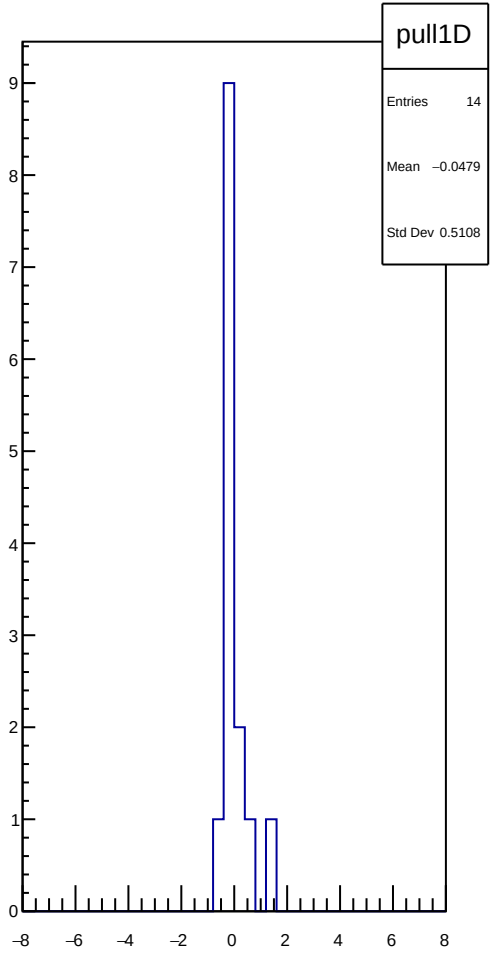

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.991 / 13
p0 0.708 ± 0.1263
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 18.21
Std Dev 13.38
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 14
Mean −0.04519
Std Dev 0.532
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

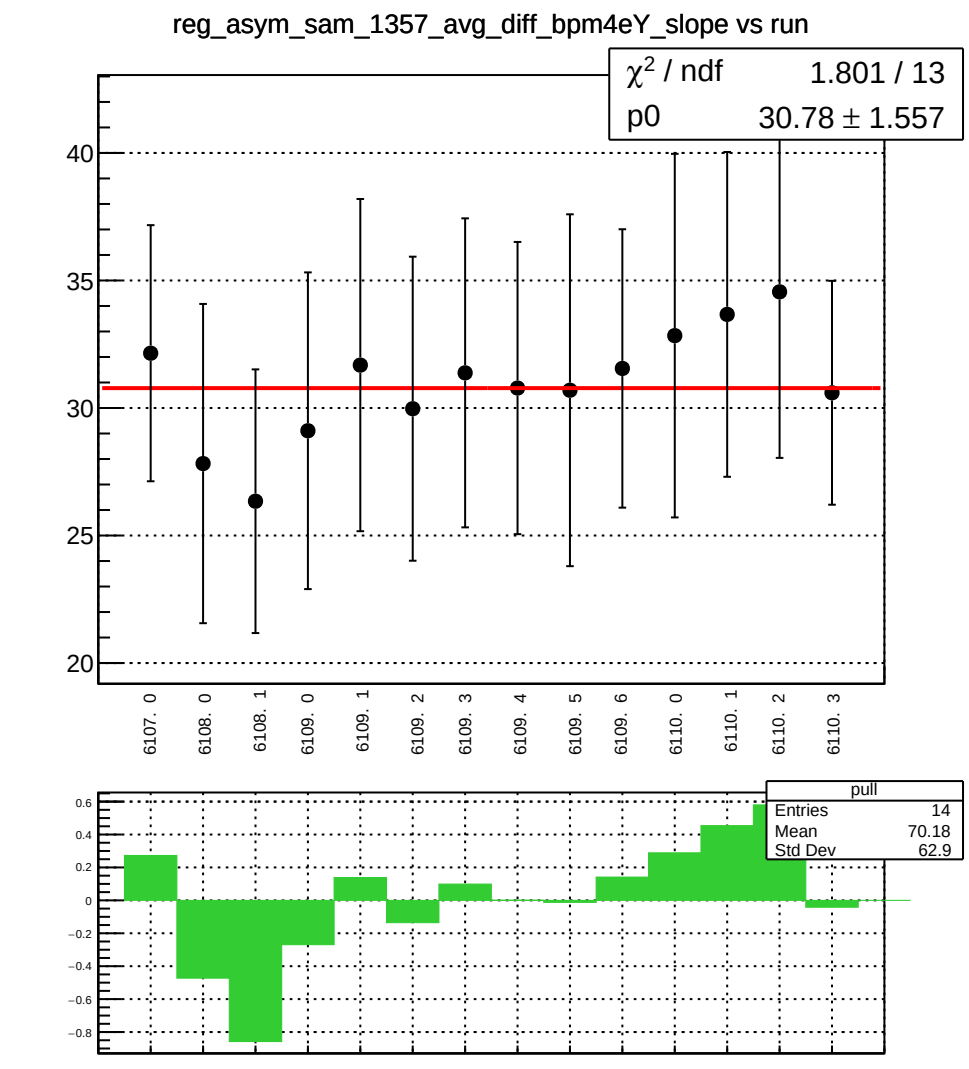

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.794 / 13
p0 −16.84 ± 2.207
−5
−10
−15
−20
−25
−30
−35
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.8
Std Dev 17.19
0.5
0
−0.5
−1
−1.5

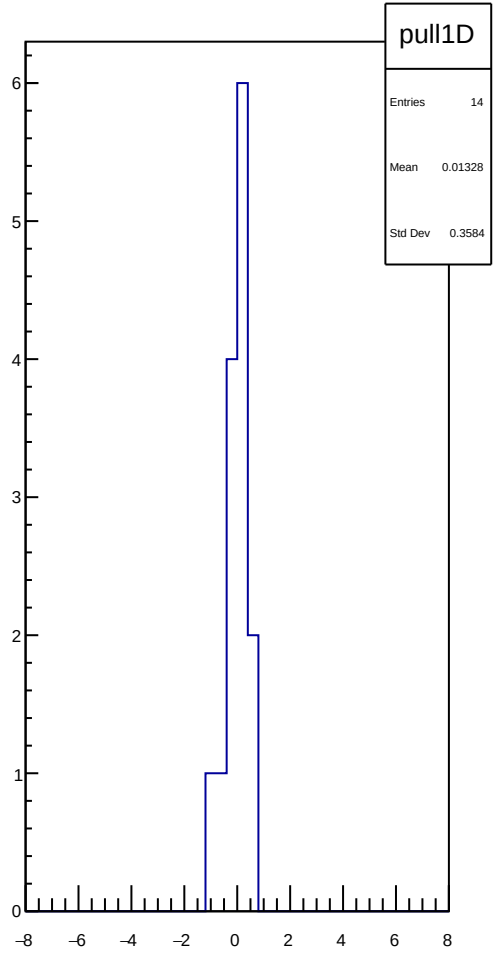

pull1D
Entries 14
Mean 0.04827
Std Dev 0.5183
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

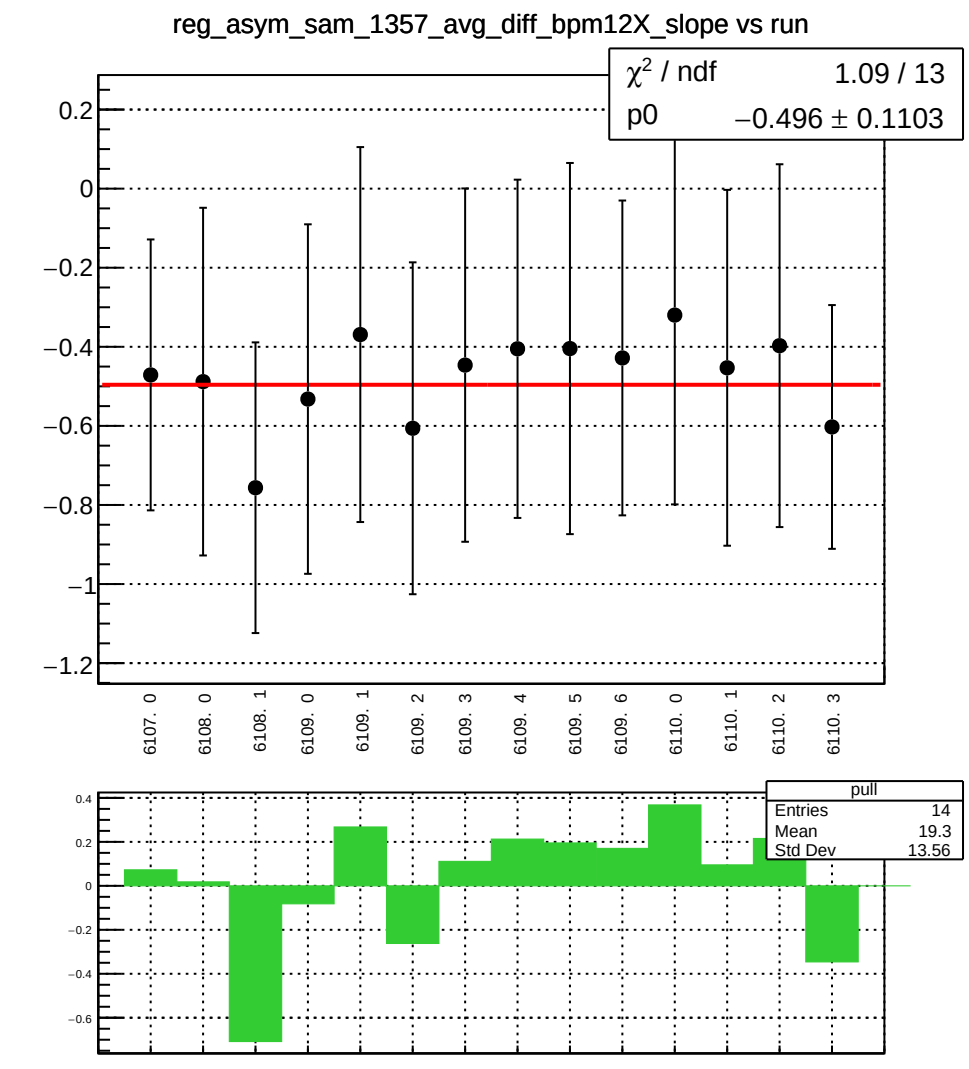

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.571 / 13
p0 2.851 ± 1.471
14
12
10
8
6
4
2
0
−2
−4
−6
−8
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 45.39
Std Dev 38.91
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.01807
Std Dev 0.3345
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

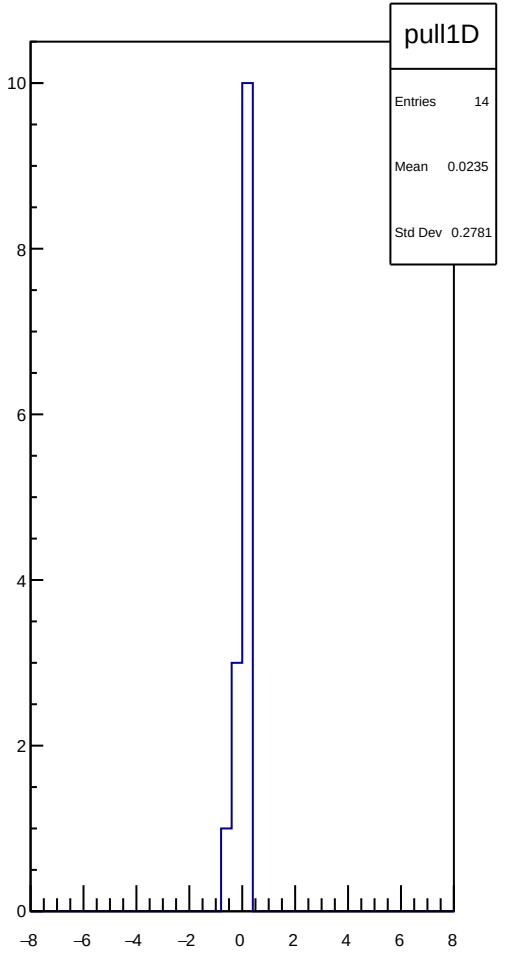

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.684 / 13
p0 −29.38 ± 2.567
−10
−15
−20
−25
−30
−35
−40
−45
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 24.01
Std Dev 17.47
1.5
1
0.5
0
−0.5

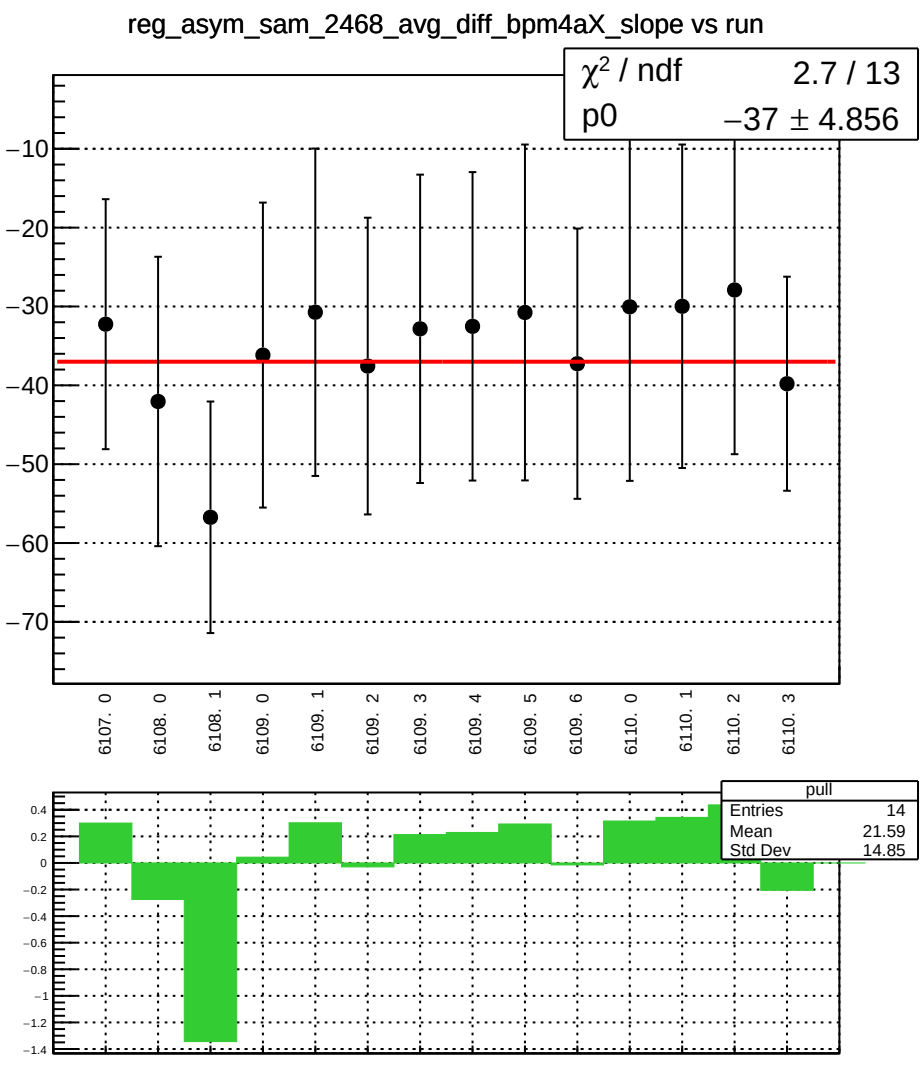

pull1D
Entries 14
Mean −0.0479
Std Dev 0.5108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

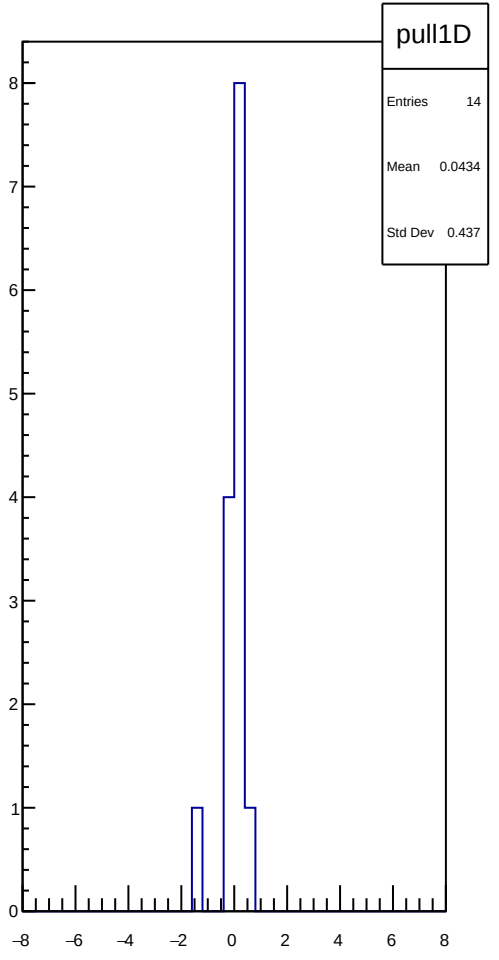

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.801 / 13
p0 30.78 ± 1.557
40
35
30
25
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 70.18
Std Dev 62.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

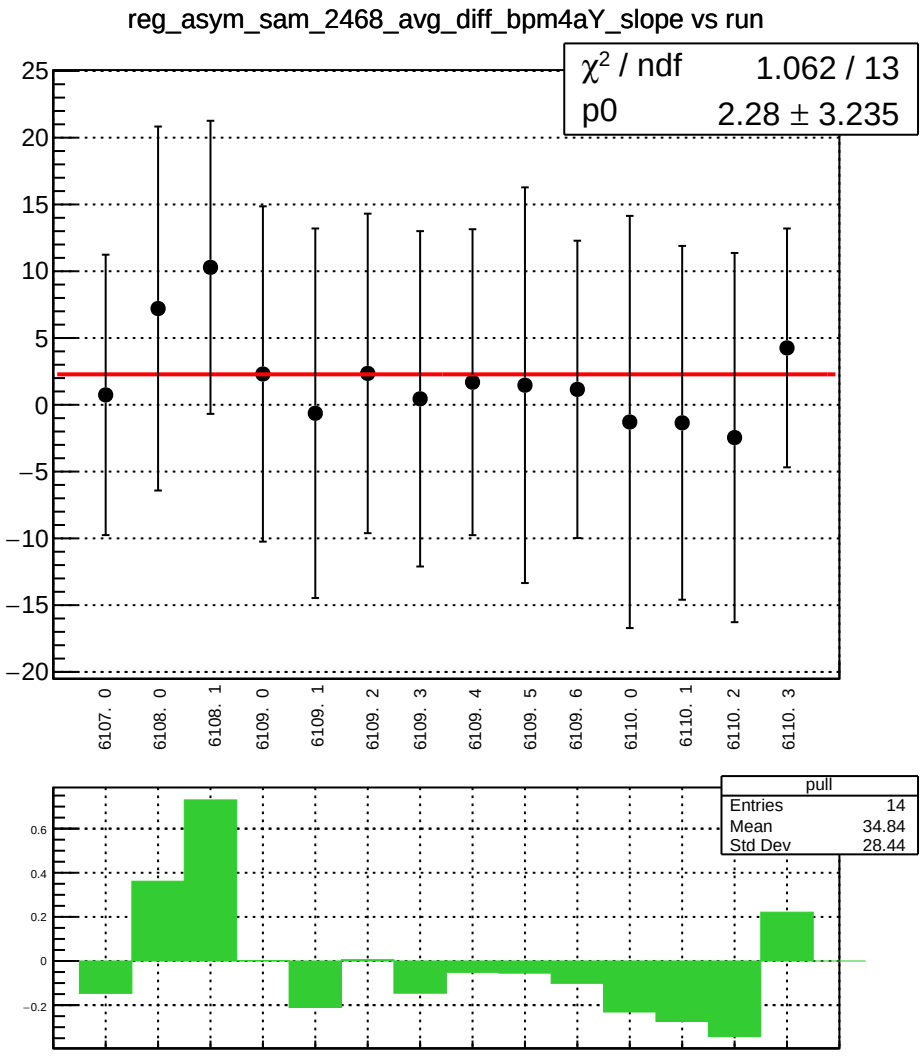

pull1D
Entries 14
Mean 0.01328
Std Dev 0.3584
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

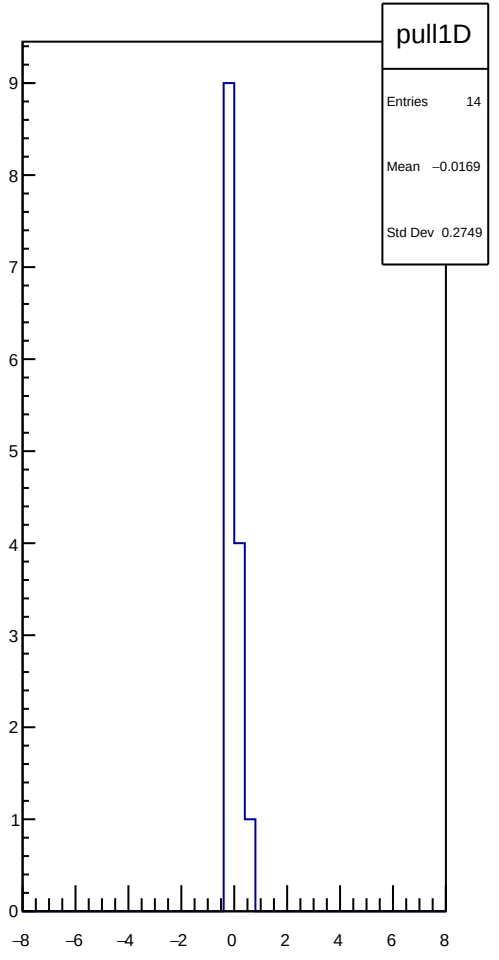

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 1.09 / 13
p0 −0.496 ± 0.1103
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.3
Std Dev 13.56
0.4
0.2
0
−0.2
−0.4
−0.6

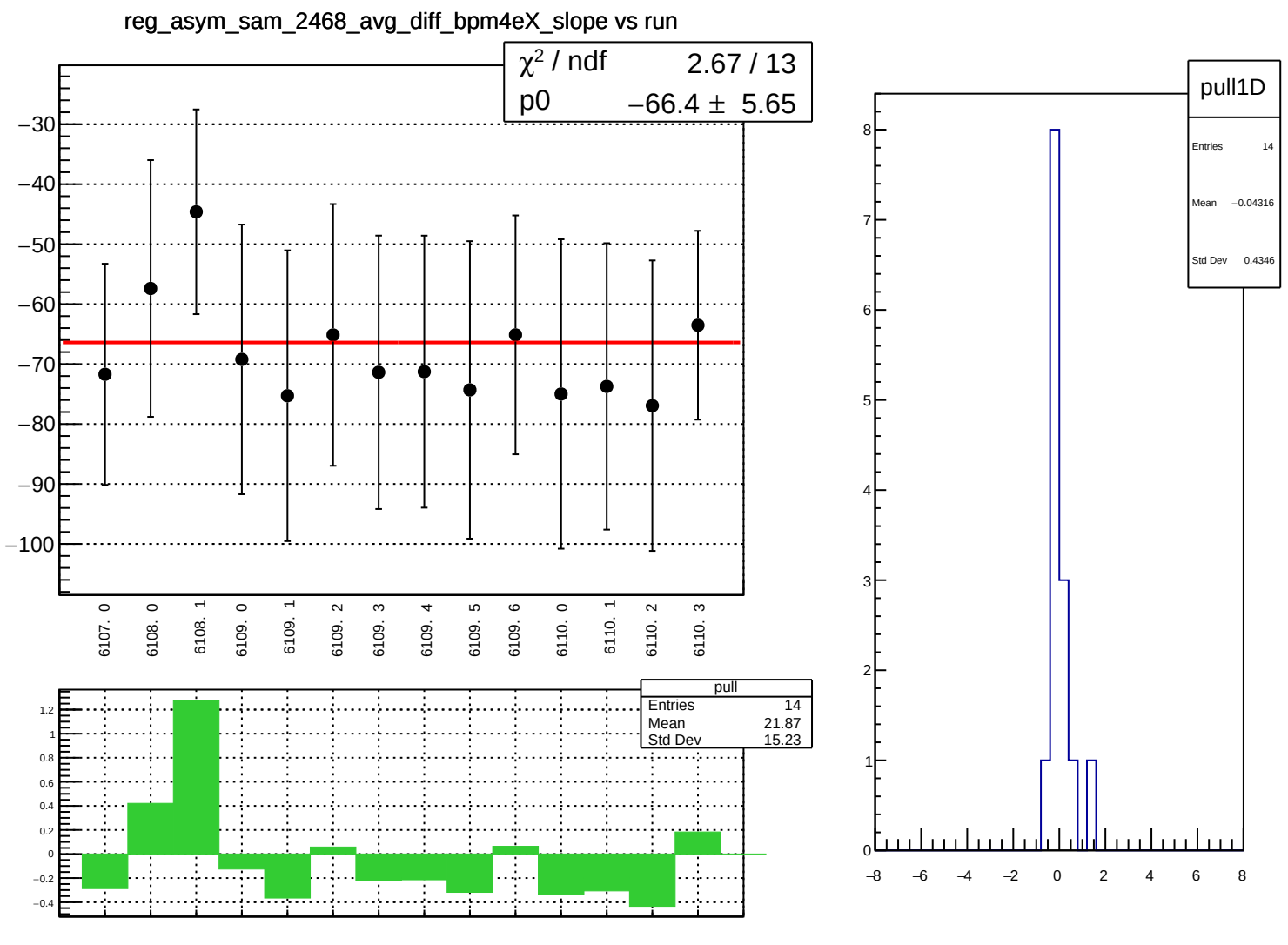

pull1D
Entries 14
Mean 0.0235
Std Dev 0.2781
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

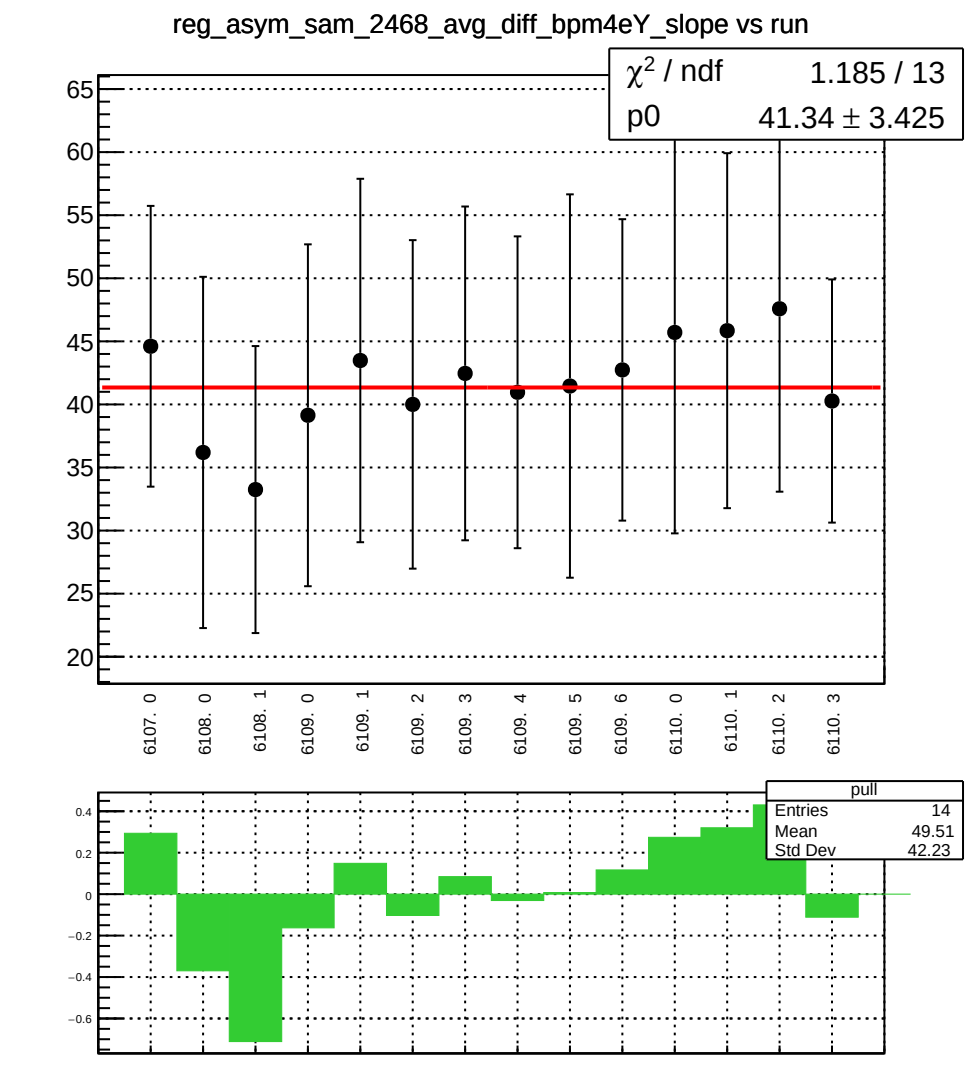

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.7 / 13
p0 −37 ± 4.856
−10
−20
−30
−40
−50
−60
−70
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.59
Std Dev 14.85
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

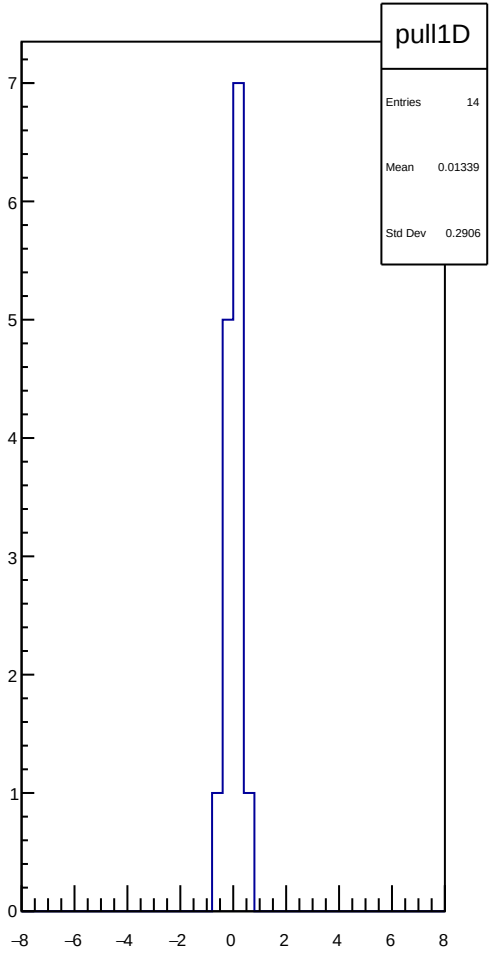

pull1D
Entries 14
Mean 0.0434
Std Dev 0.437
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

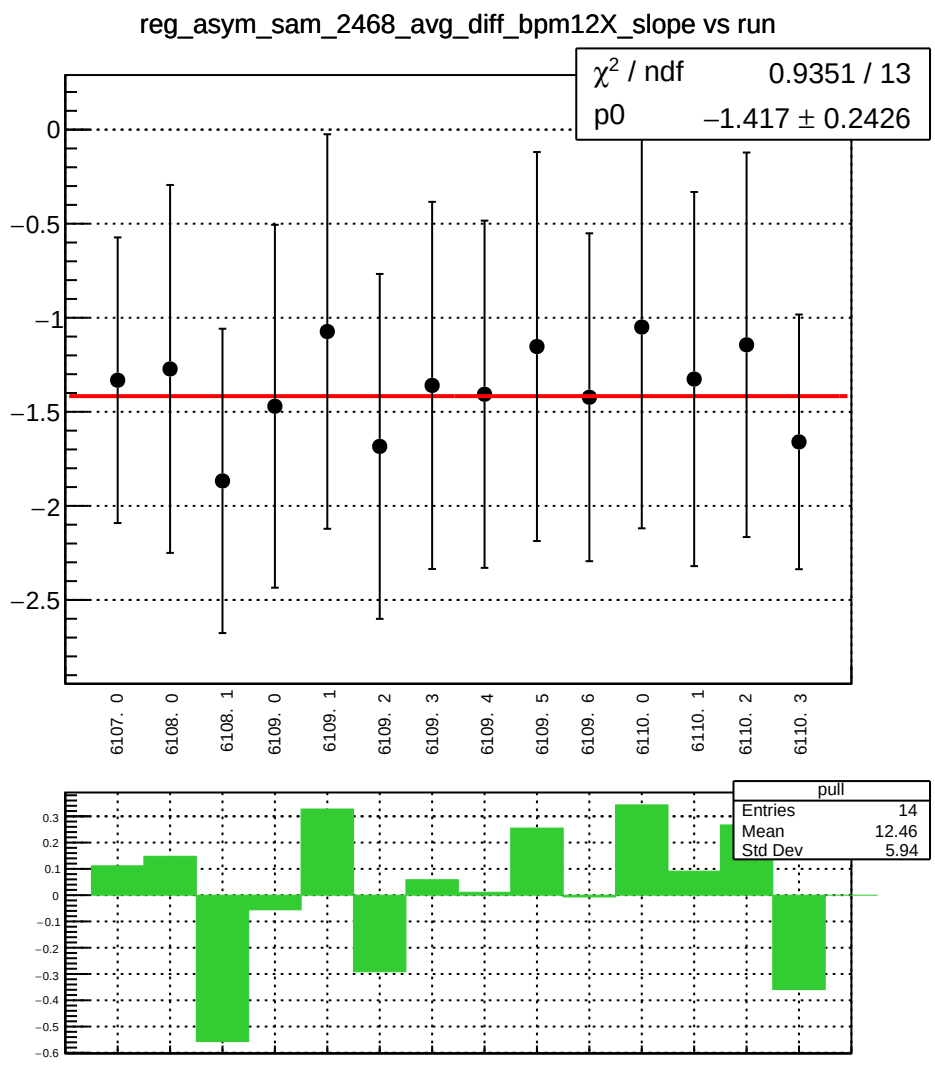

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.062 / 13
p0 2.28 ± 3.235
25
20
15
10
5
0
−5
−10
−15
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 34.84
Std Dev 28.44
0.6
0.4
0.2
0
−0.2

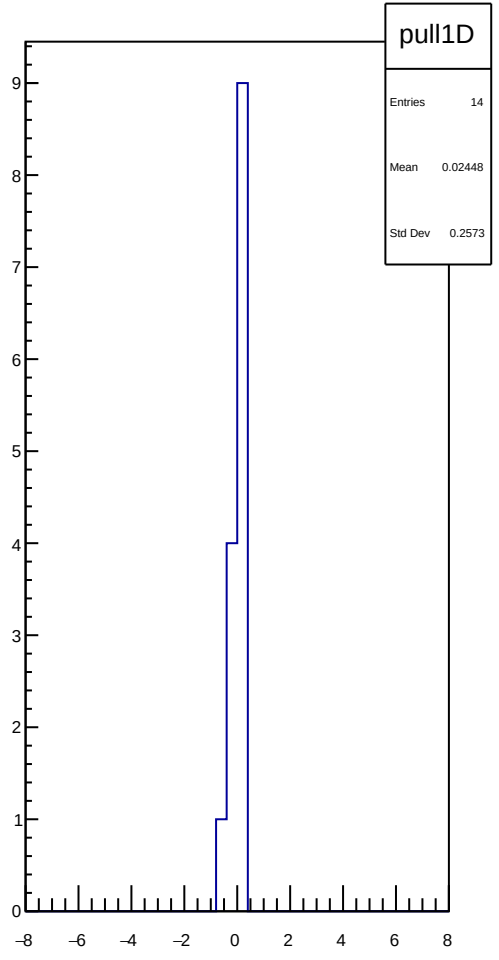

pull1D
Entries 14
Mean −0.0169
Std Dev 0.2749
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

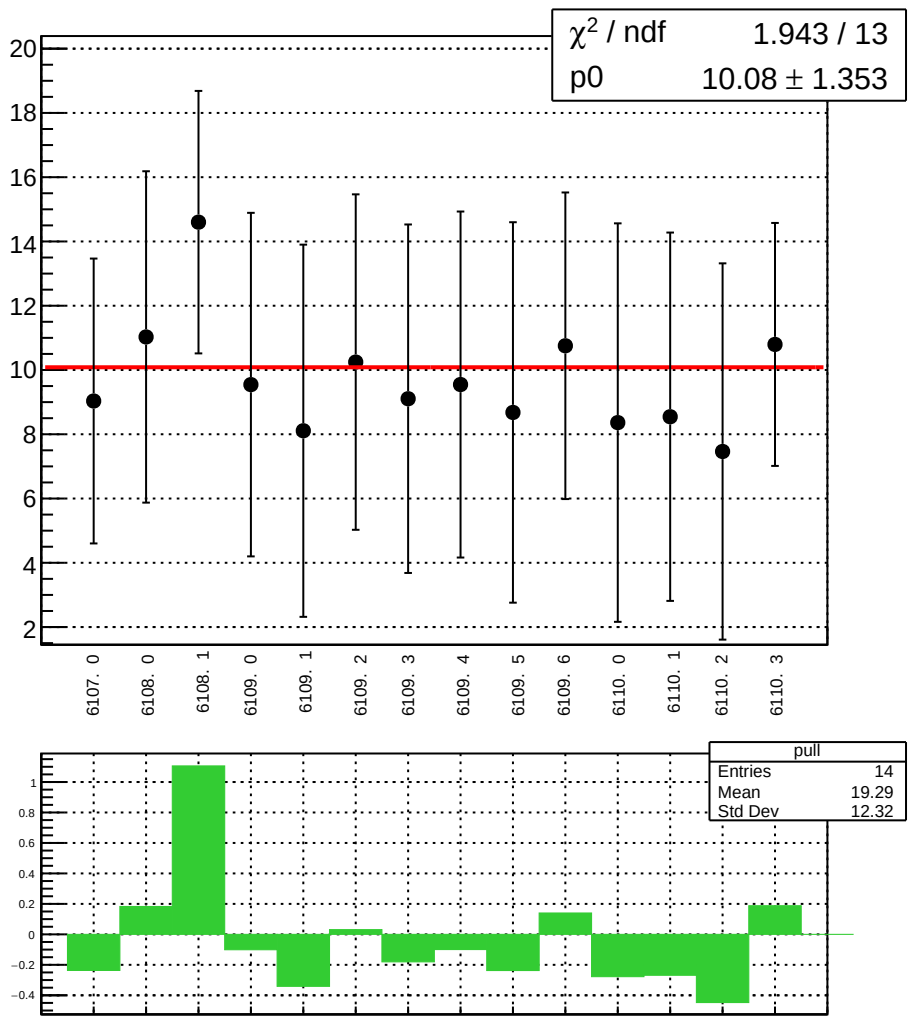

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.67 / 13
p0 −66.4 ± 5.65
−30
−40
−50
−60
−70
−80
−90
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.87
Std Dev 15.23
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.04316
Std Dev 0.4346
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

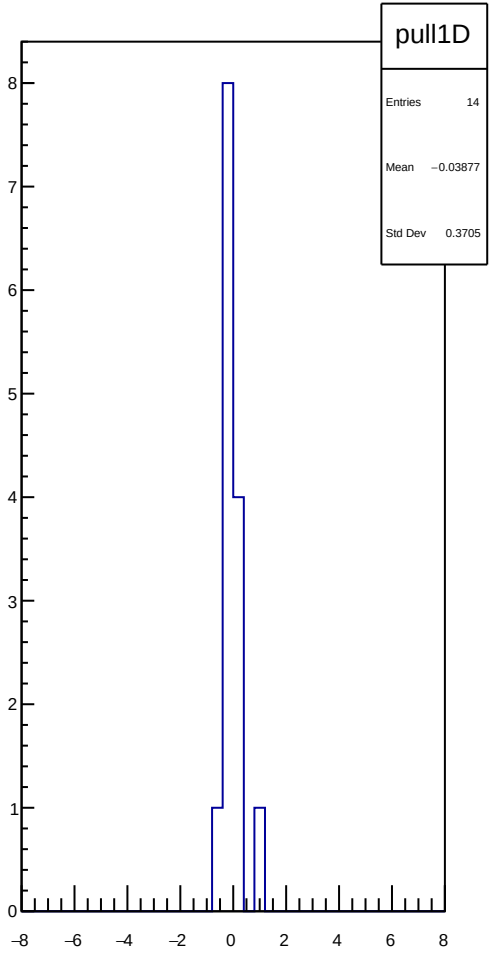

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.185 / 13
p0 41.34 ± 3.425
65
60
55
50
45
40
35
30
25
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 49.51
Std Dev 42.23
0.4
0.2
0
−0.2
−0.4
−0.6

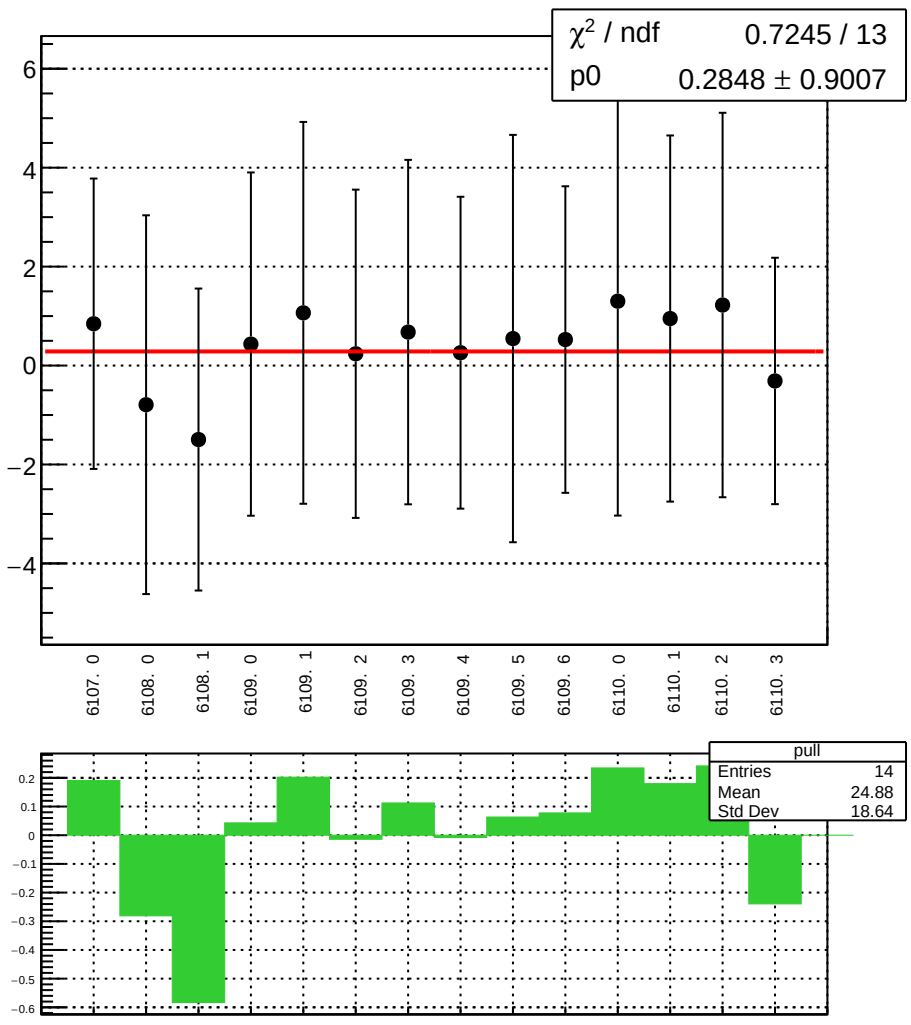

pull1D
Entries 14
Mean 0.01339
Std Dev 0.2906
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

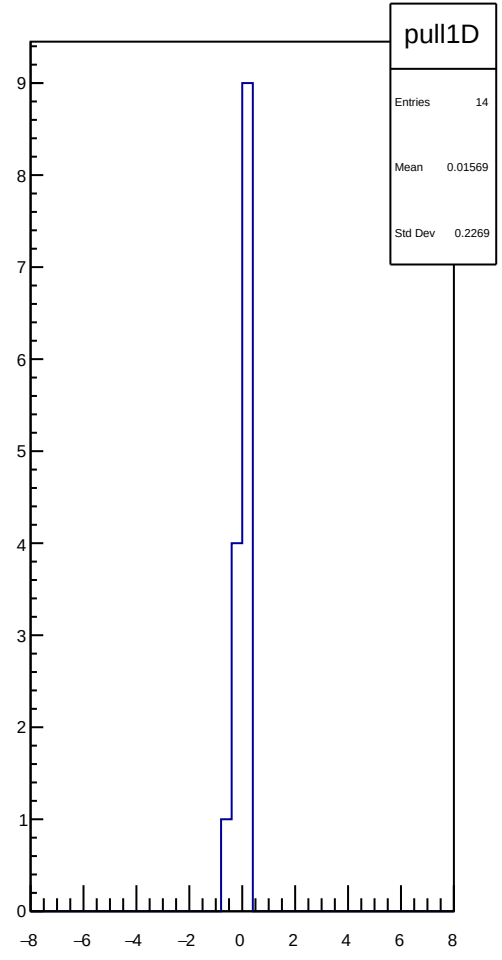

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 0.9351 / 13
p0 −1.417 ± 0.2426
0
−0.5
−1
−1.5
−2
−2.5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 12.46
Std Dev 5.94
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

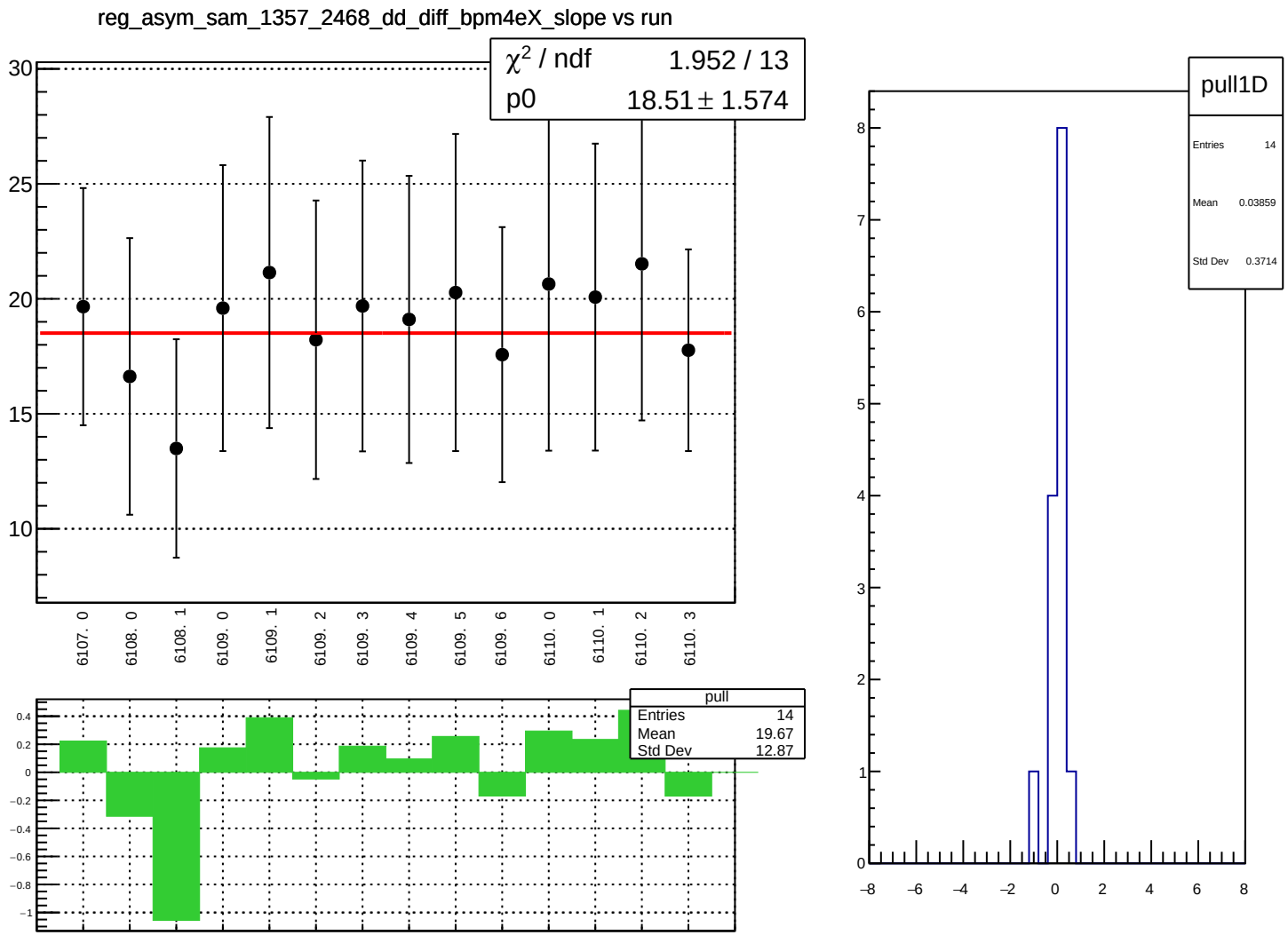

pull1D
Entries 14
Mean 0.02448
Std Dev 0.2573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

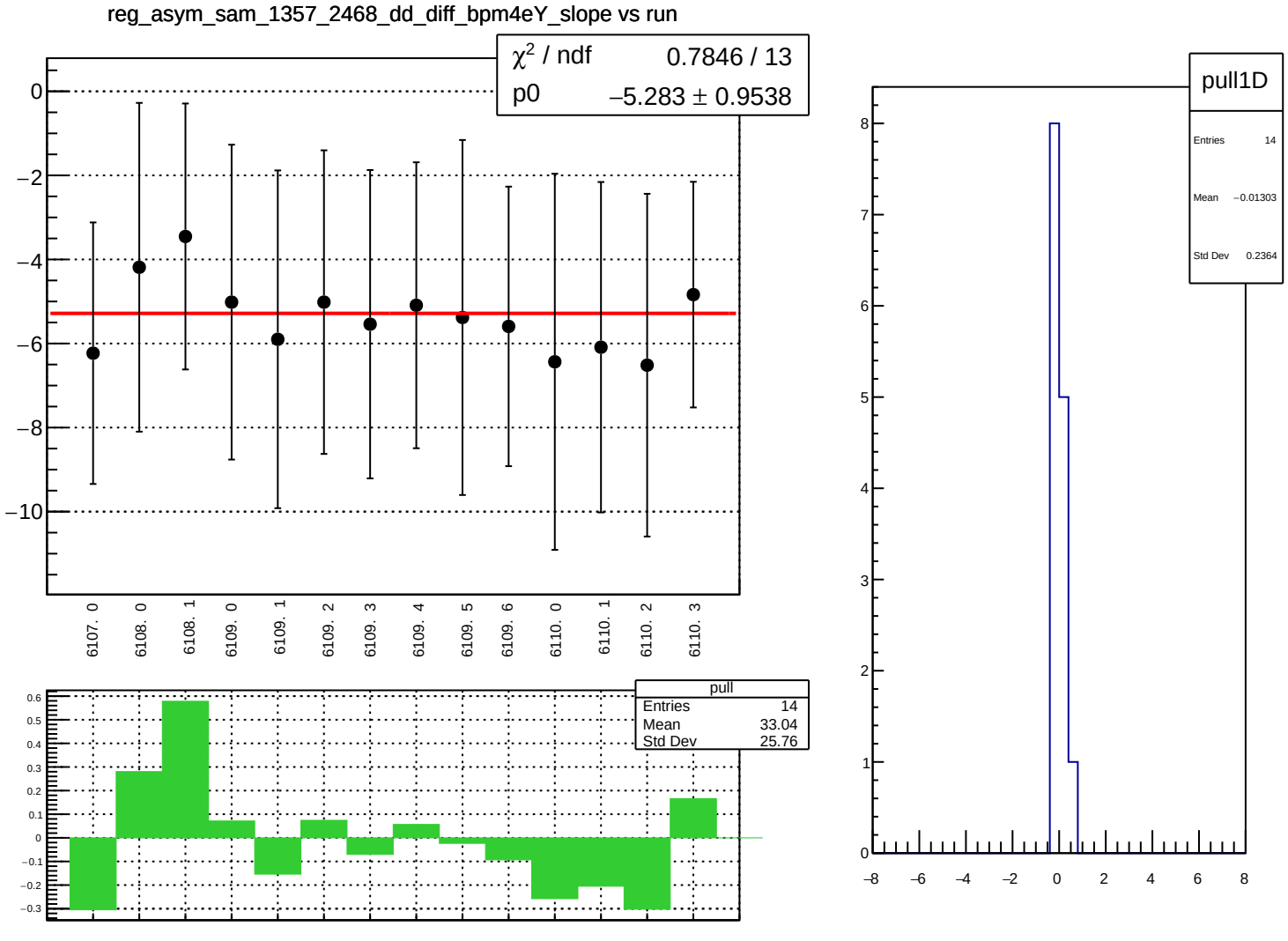

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.943 / 13
p0 10.08 ± 1.353
20
18
16
14
12
10
8
6
4
2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.29
Std Dev 12.32
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

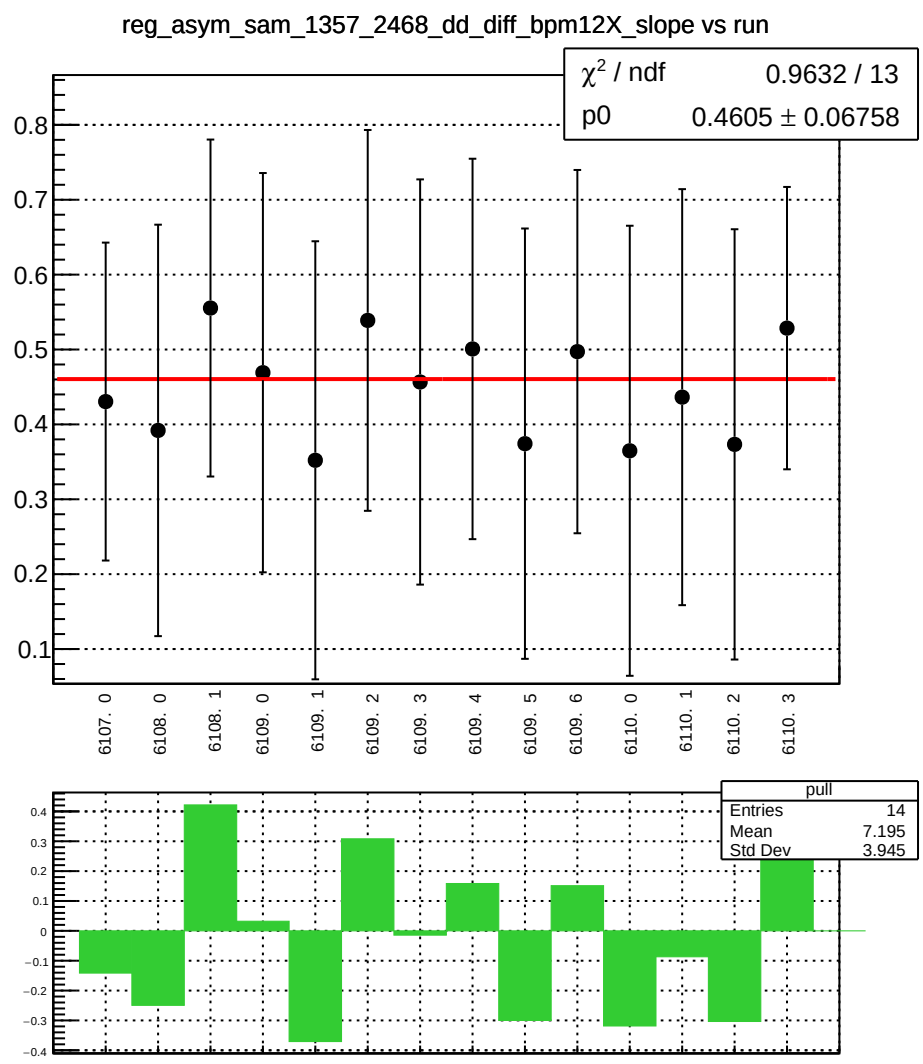

pull1D
Entries 14
Mean −0.03877
Std Dev 0.3705
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

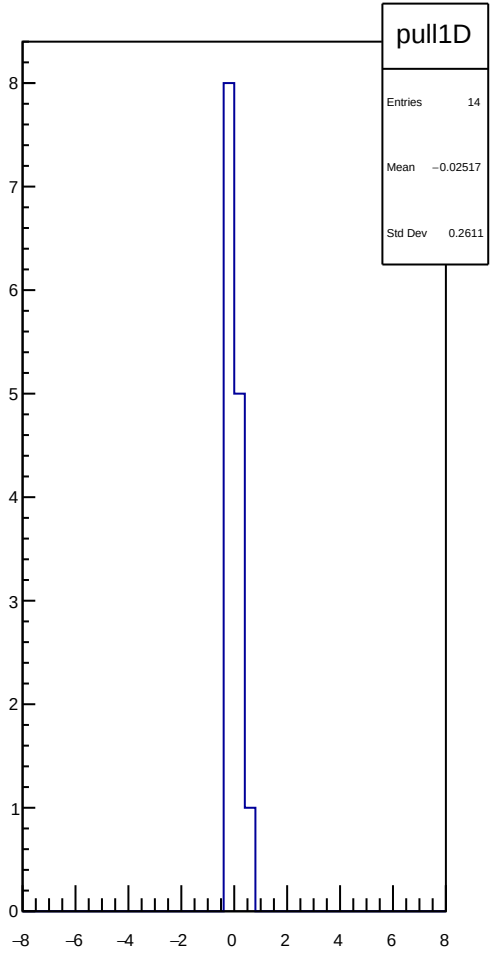

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7245 / 13
p0 0.2848 ± 0.9007
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 24.88
Std Dev 18.64

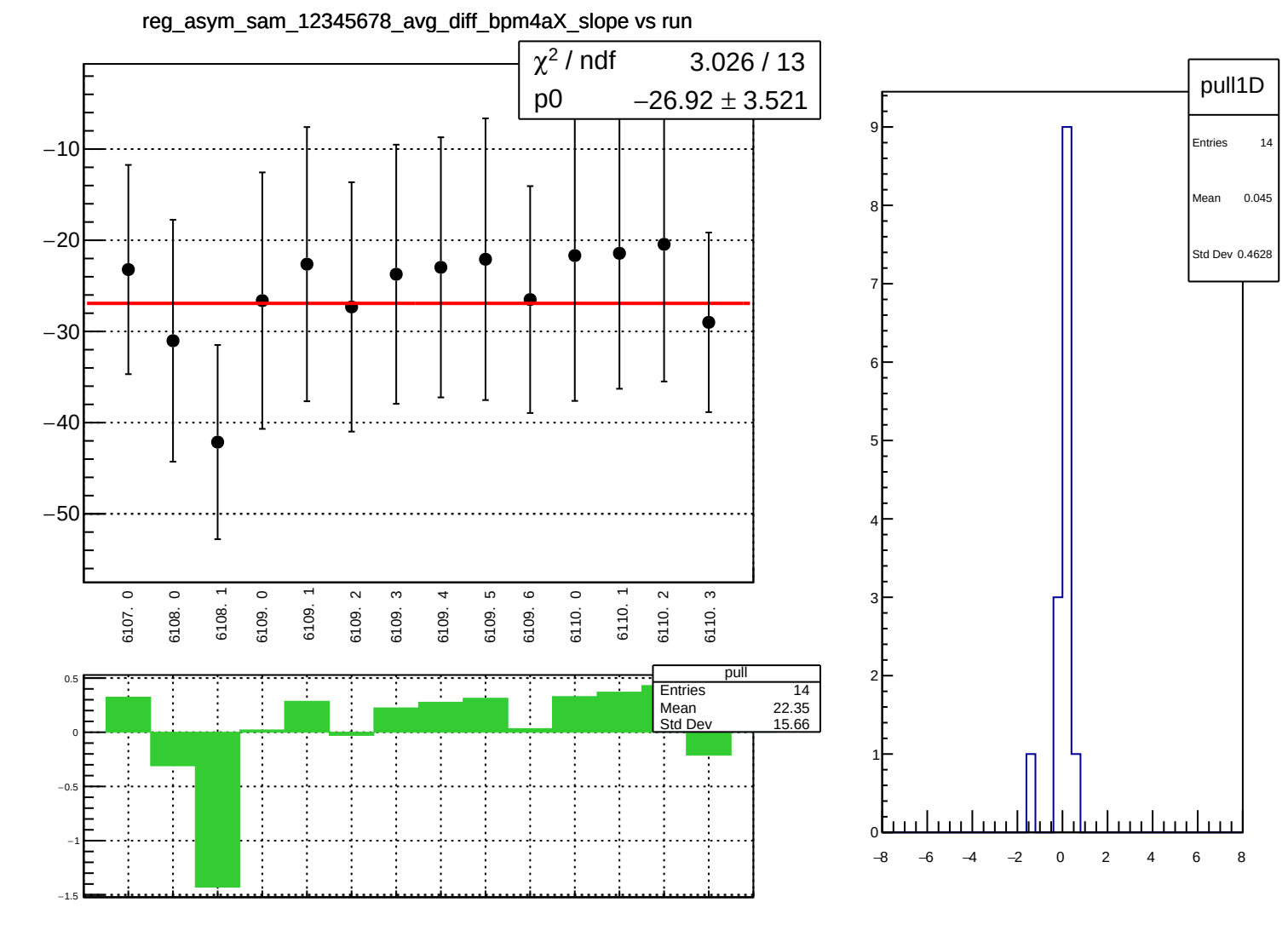

pull1D
Entries 14
Mean 0.01569
Std Dev 0.2269

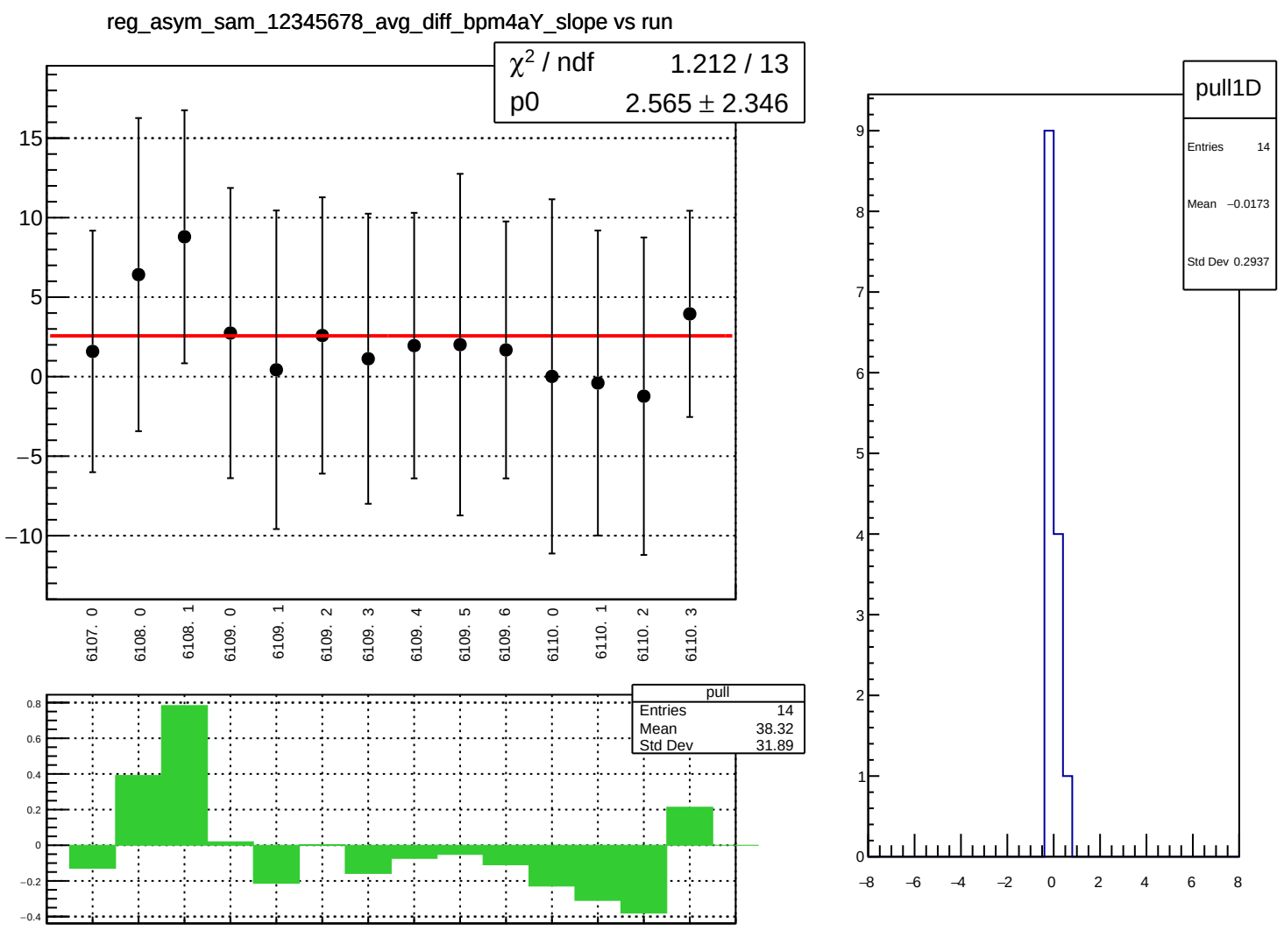

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.952 / 13
p0 18.51 ± 1.574
30
25
20
15
10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.67
Std Dev 12.87
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 14
Mean 0.03859
Std Dev 0.3714
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

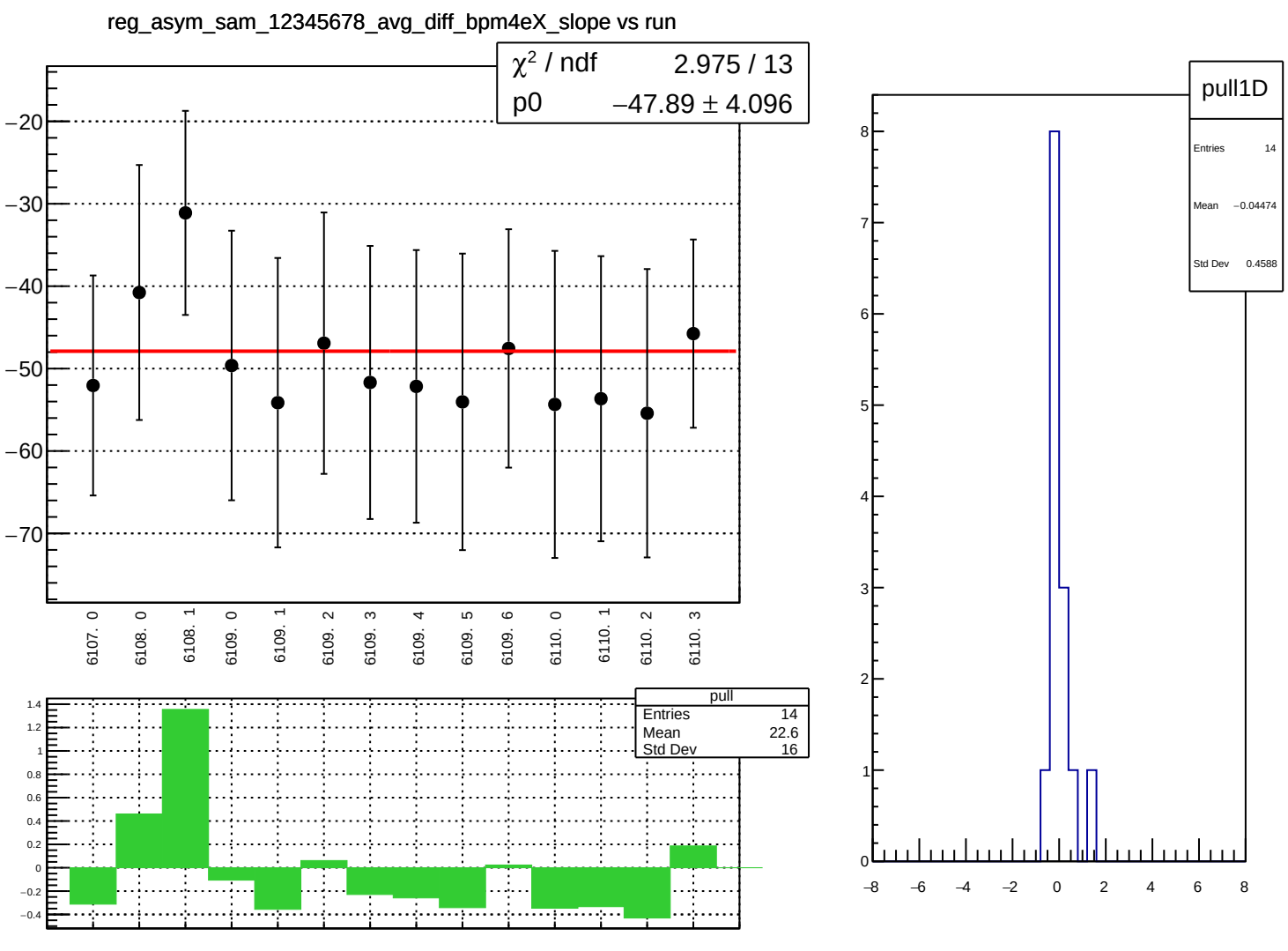

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7846 / 13
p0 −5.283 ± 0.9538
0
−2
−4
−6
−8
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 33.04
Std Dev 25.76
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 14
Mean −0.01303
Std Dev 0.2364
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

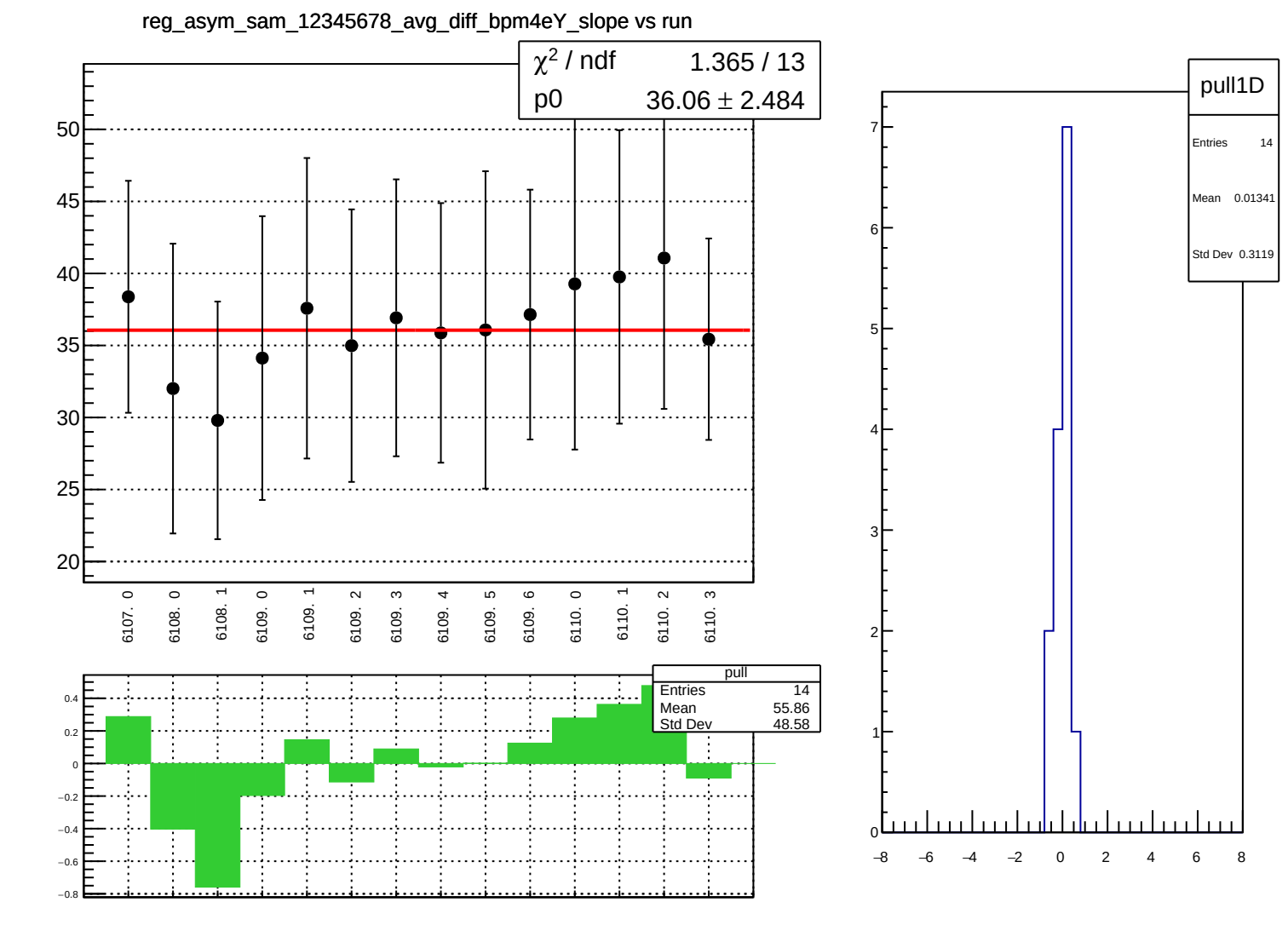

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9632 / 13
p0 0.4605 ± 0.06758
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 7.195
Std Dev 3.945
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

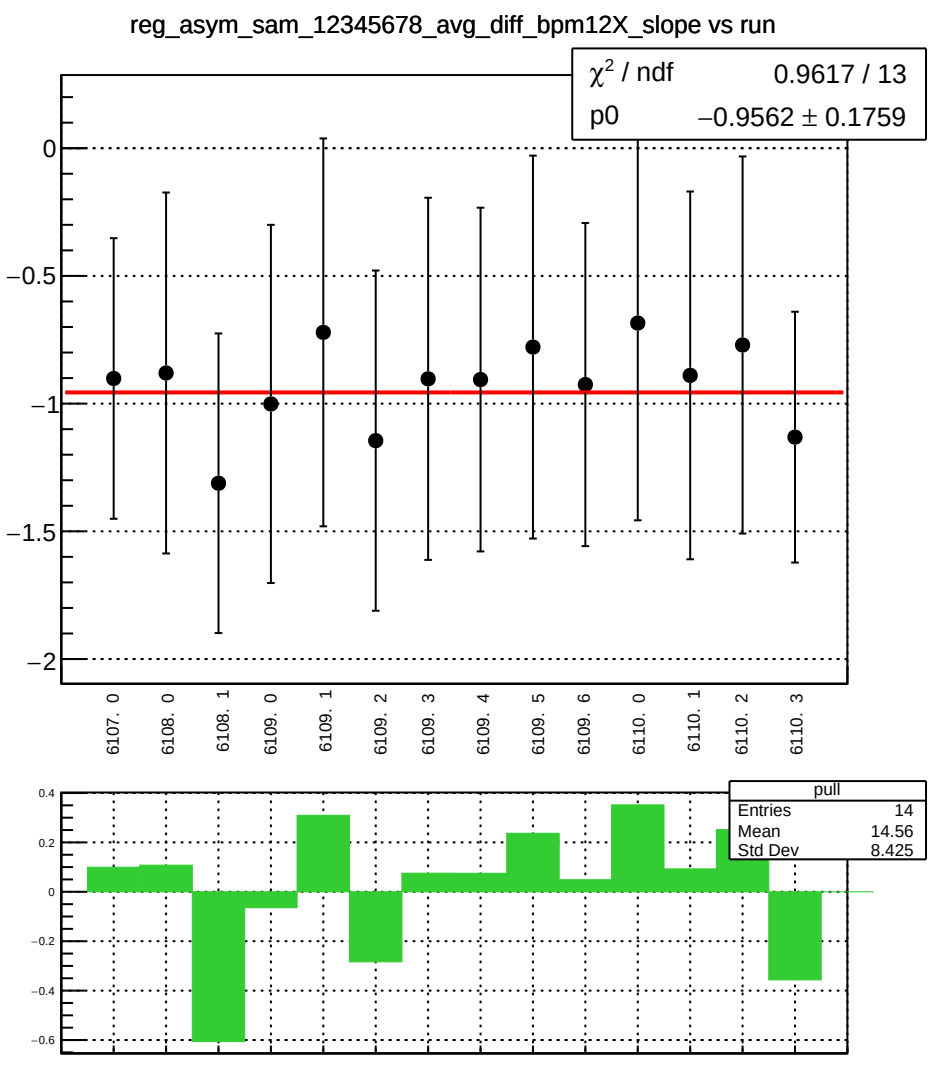

pull1D
Entries 14
Mean −0.02517
Std Dev 0.2611
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

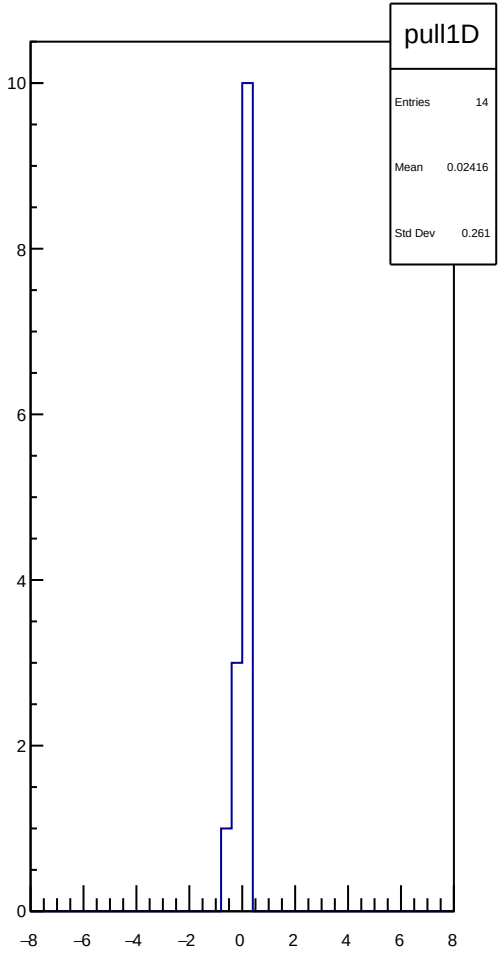

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.026 / 13
p0 −26.92 ± 3.521
−10
−20
−30
−40
−50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.35
Std Dev 15.66
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.045
Std Dev 0.4628
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

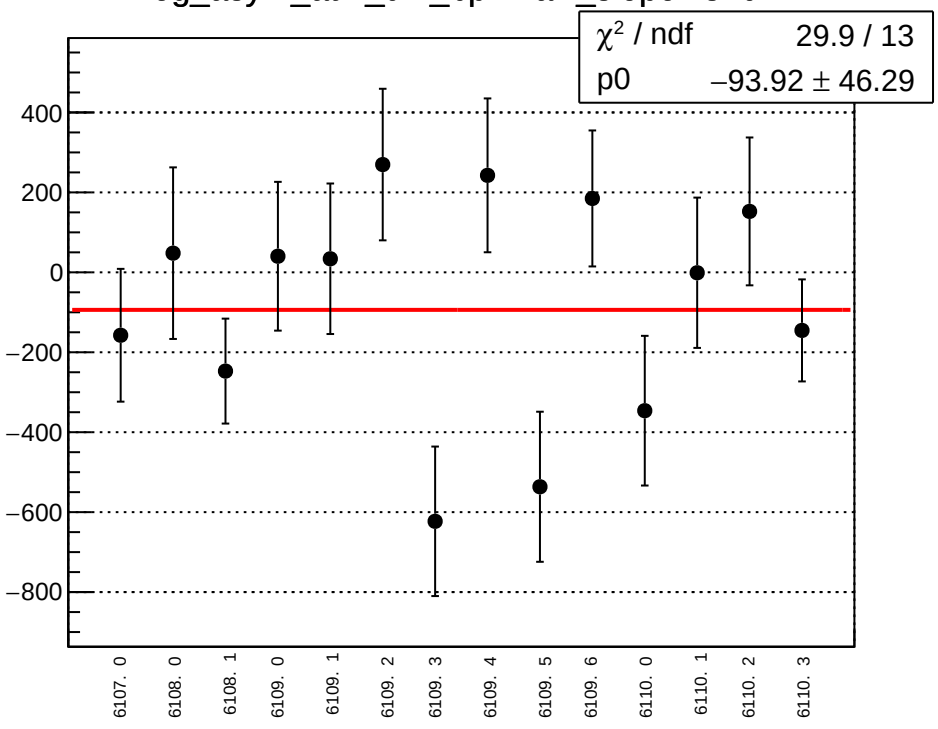

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.212 / 13
p0 2.565 ± 2.346
15
10
5
0
−5
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 38.32
Std Dev 31.89
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.0173
Std Dev 0.2937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

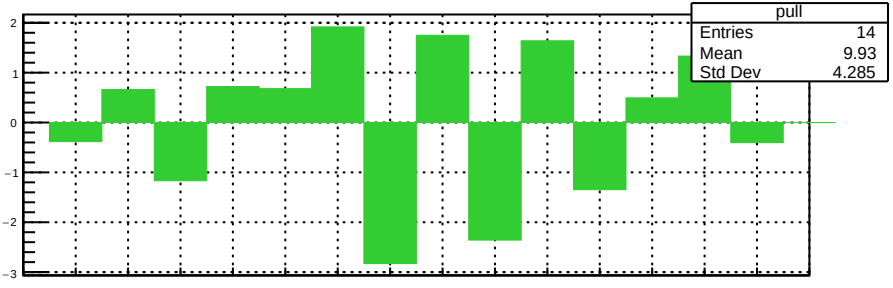

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.975 / 13
p0 −47.89 ± 4.096
−20
−30
−40
−50
−60
−70
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.6
Std Dev 16
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 14
Mean −0.04474
Std Dev 0.4588
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

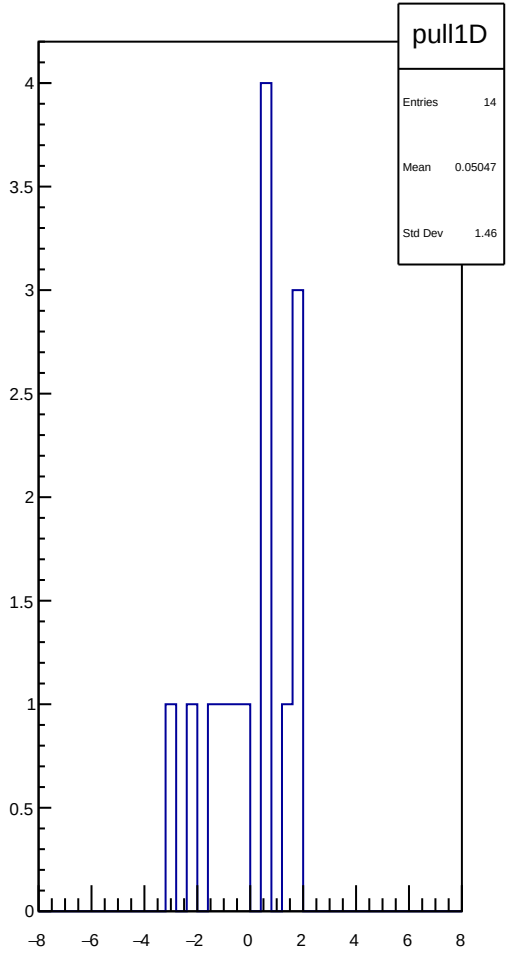

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.365 / 13
p0 36.06 ± 2.484
50
45
40
35
30
25
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 55.86
Std Dev 48.58
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 14
Mean 0.01341
Std Dev 0.3119
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

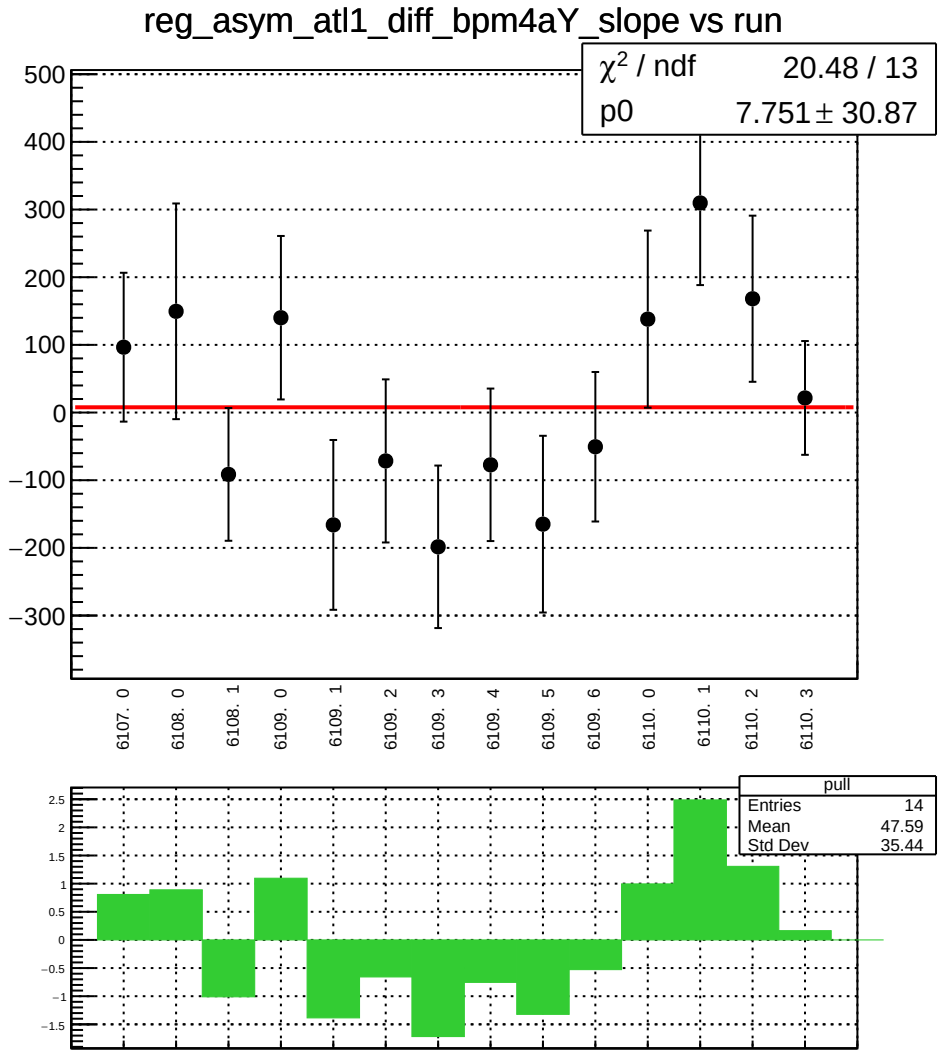

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 0.9617 / 13
p0 −0.9562 ± 0.1759
0
−0.5
−1
−1.5
−2
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 14.56
Std Dev 8.425
0.4
0.2
0
−0.2
−0.4
−0.6

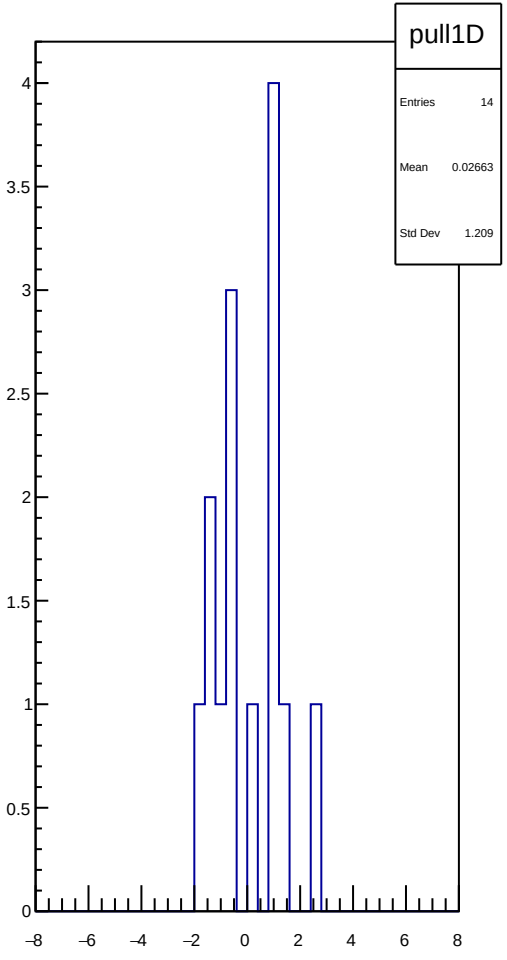

pull1D
Entries 14
Mean 0.02416
Std Dev 0.261
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

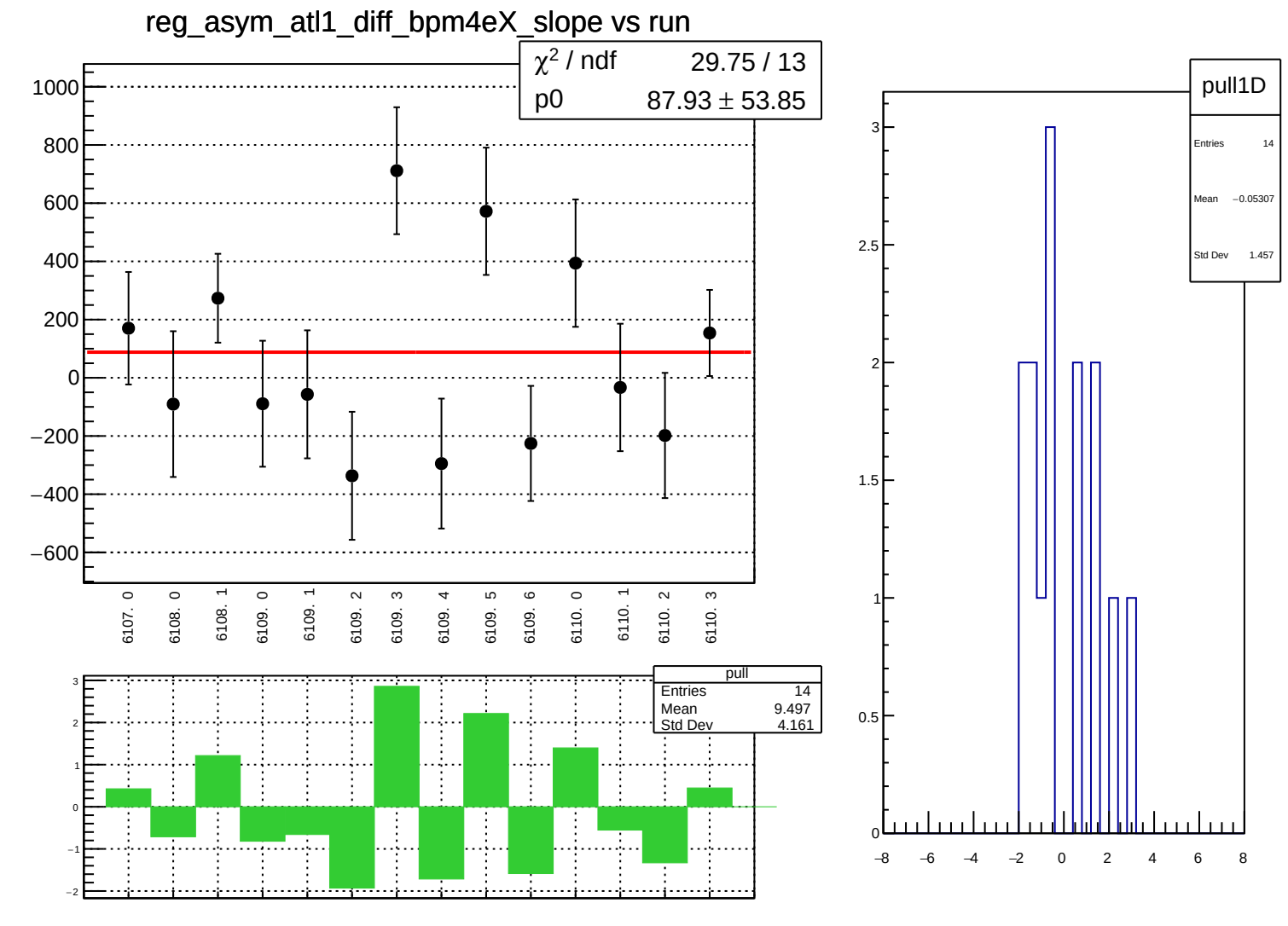

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 29.9 / 13
p0 −93.92 ± 46.29
400
200
0
−200
−400
−600
−800
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

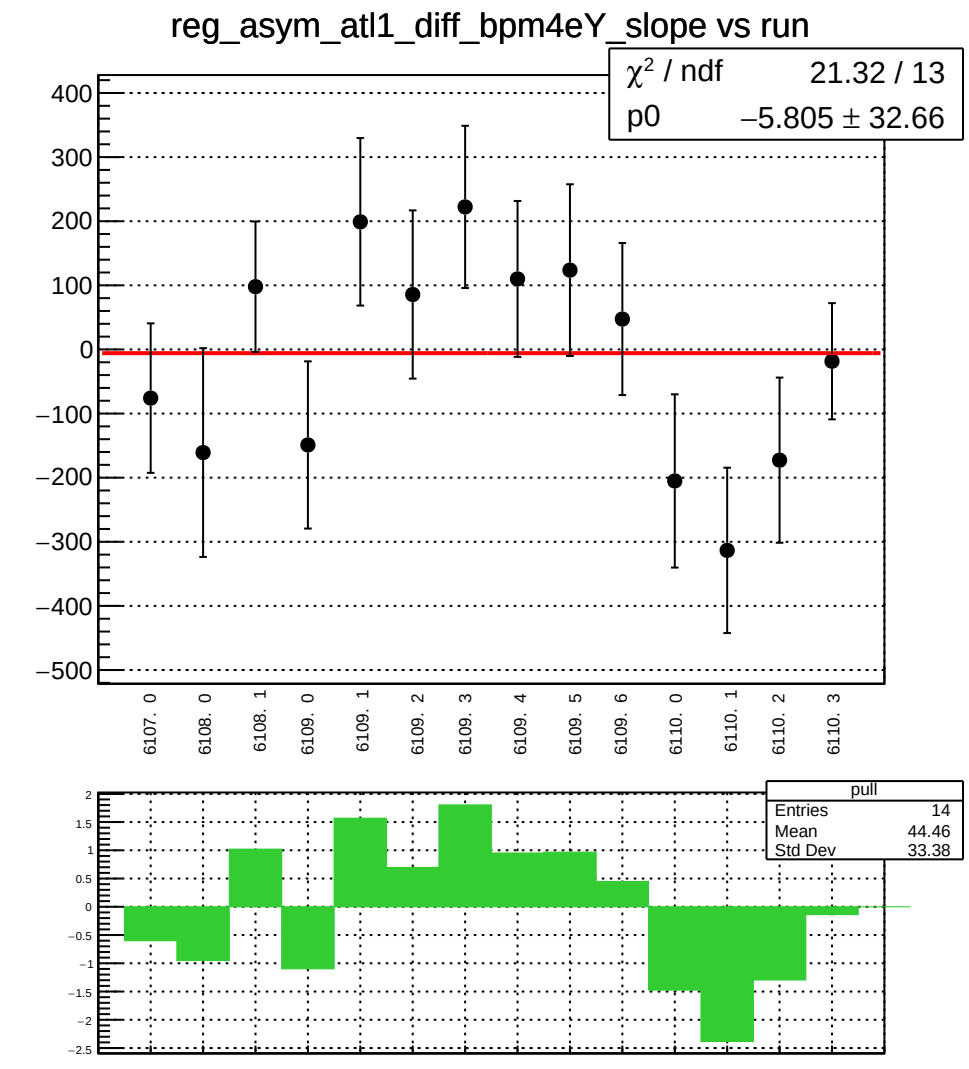

pull
Entries 14
Mean 9.93
Std Dev 4.285
2
1
0
−1
−2
−3

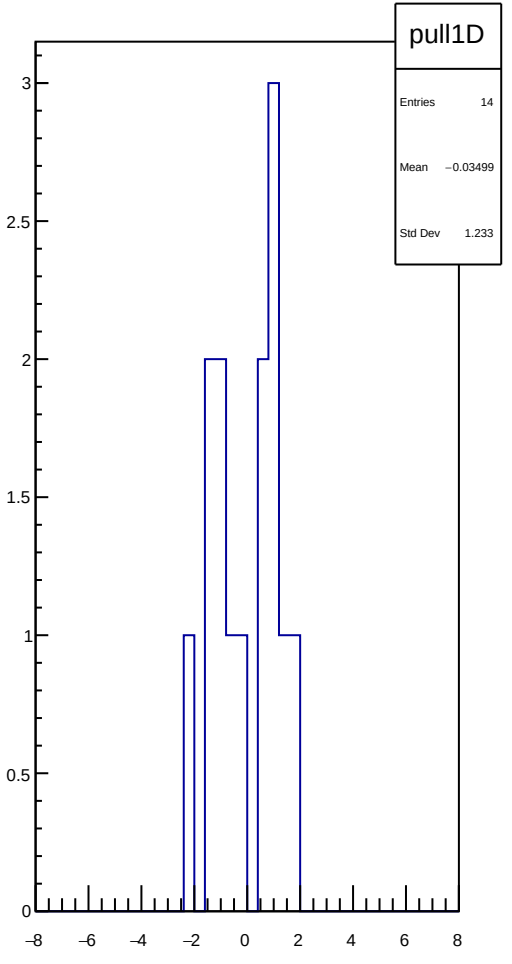

pull1D
Entries 14
Mean 0.05047
Std Dev 1.46
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

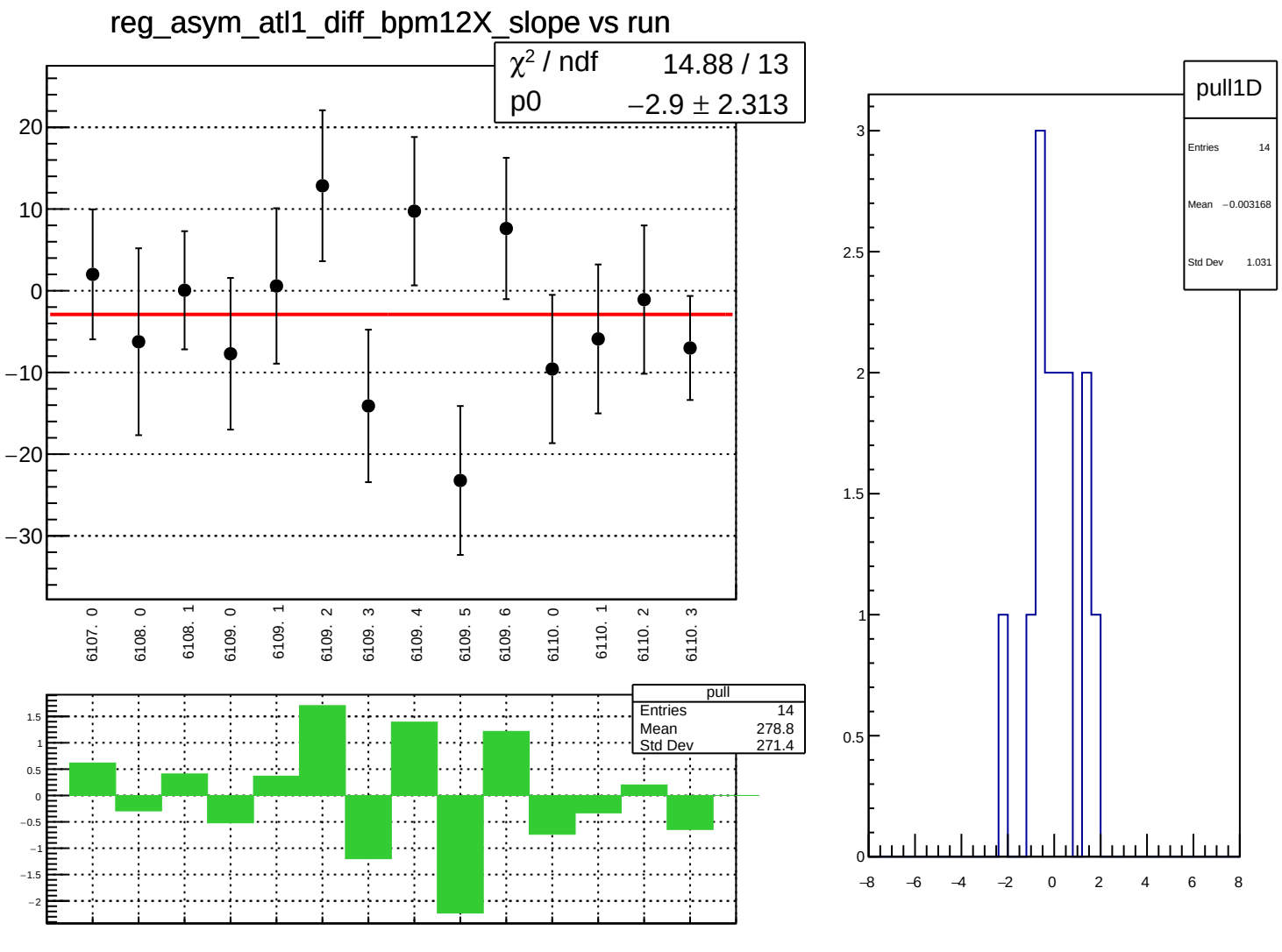

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 20.48 / 13
p0 7.751 ± 30.87
500
400
300
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 47.59
Std Dev 35.44
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

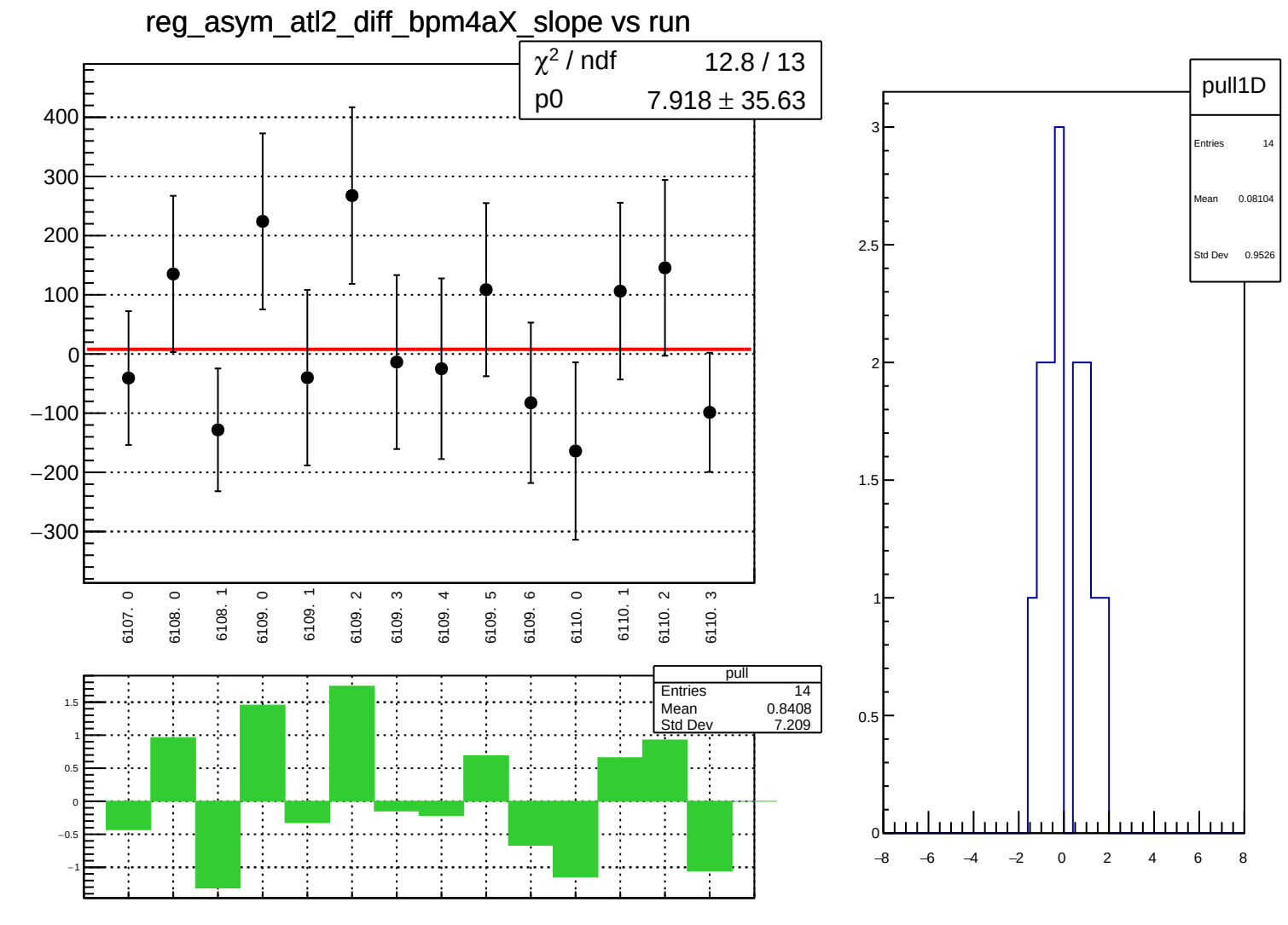

pull1D
Entries 14
Mean 0.02663
Std Dev 1.209
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

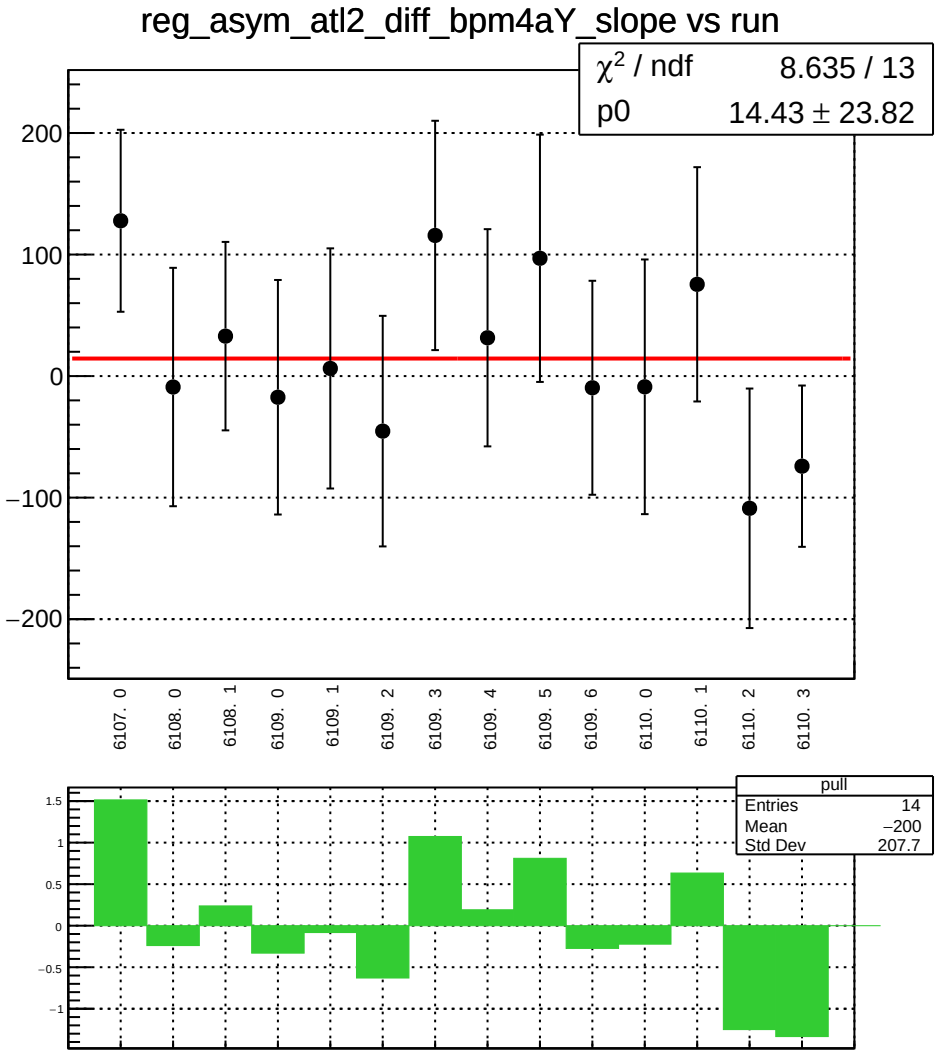

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 29.75 / 13
p0 87.93 ± 53.85
1000
800
600
400
200
0
−200
−400
−600
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 9.497
Std Dev 4.161
3
2
1
0
−1
−2
pull1D
Entries 14
Mean −0.05307
Std Dev 1.457
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

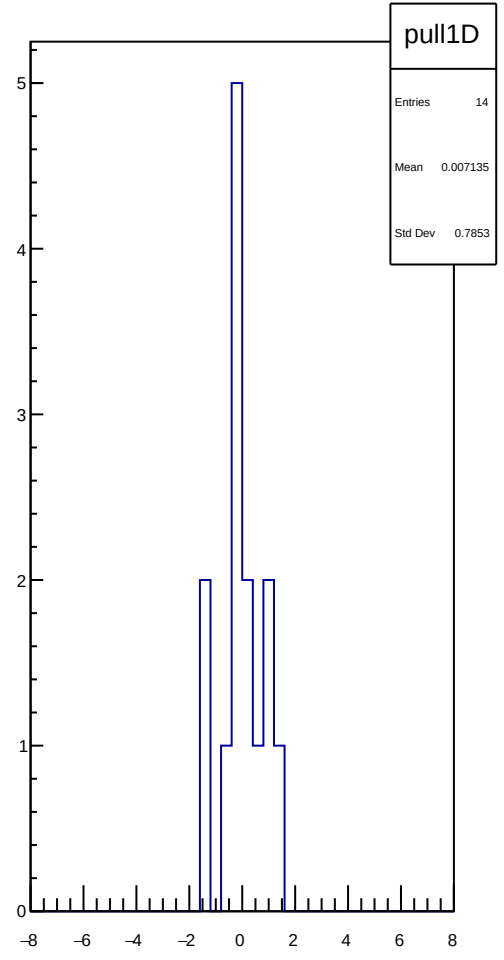

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 21.32 / 13
p0 −5.805 ± 32.66
400
300
200
100
0
−100
−200
−300
−400
−500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 44.46
Std Dev 33.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

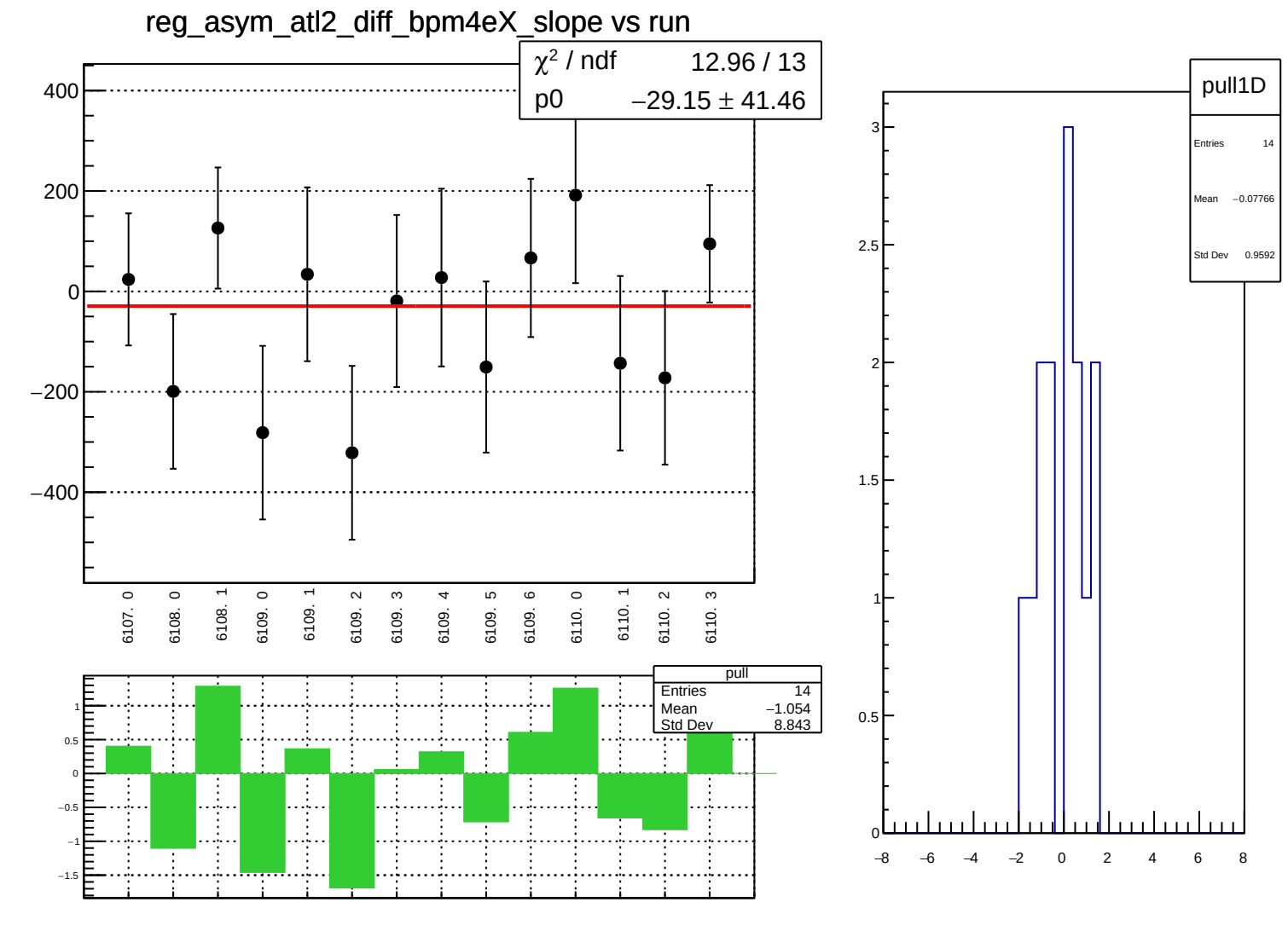

pull1D
Entries 14
Mean −0.03499
Std Dev 1.233
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

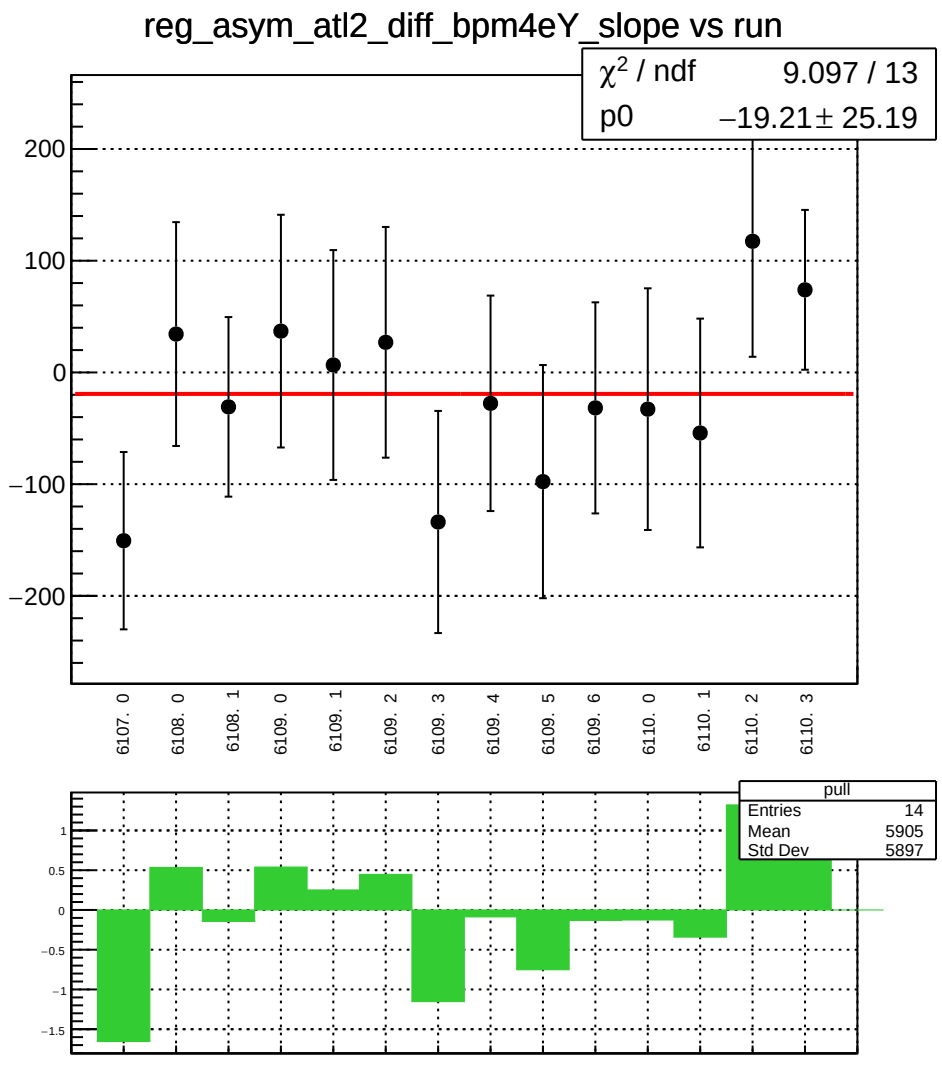

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 14.88 / 13
p0 −2.9 ± 2.313
20
10
0
−10
−20
−30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 278.8
Std Dev 271.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.003168
Std Dev 1.031
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

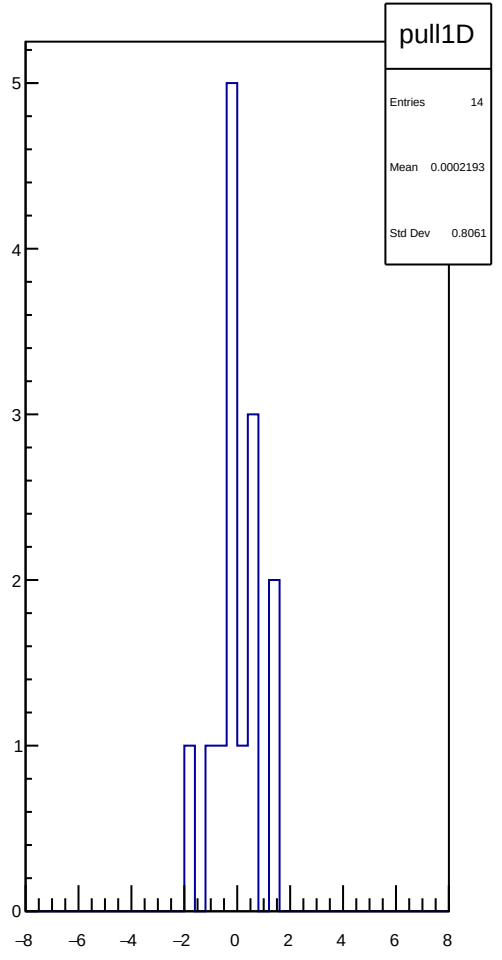

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 12.8 / 13
p0 7.918 ± 35.63
400
300
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0.8408
Std Dev 7.209
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean 0.08104
Std Dev 0.9526
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

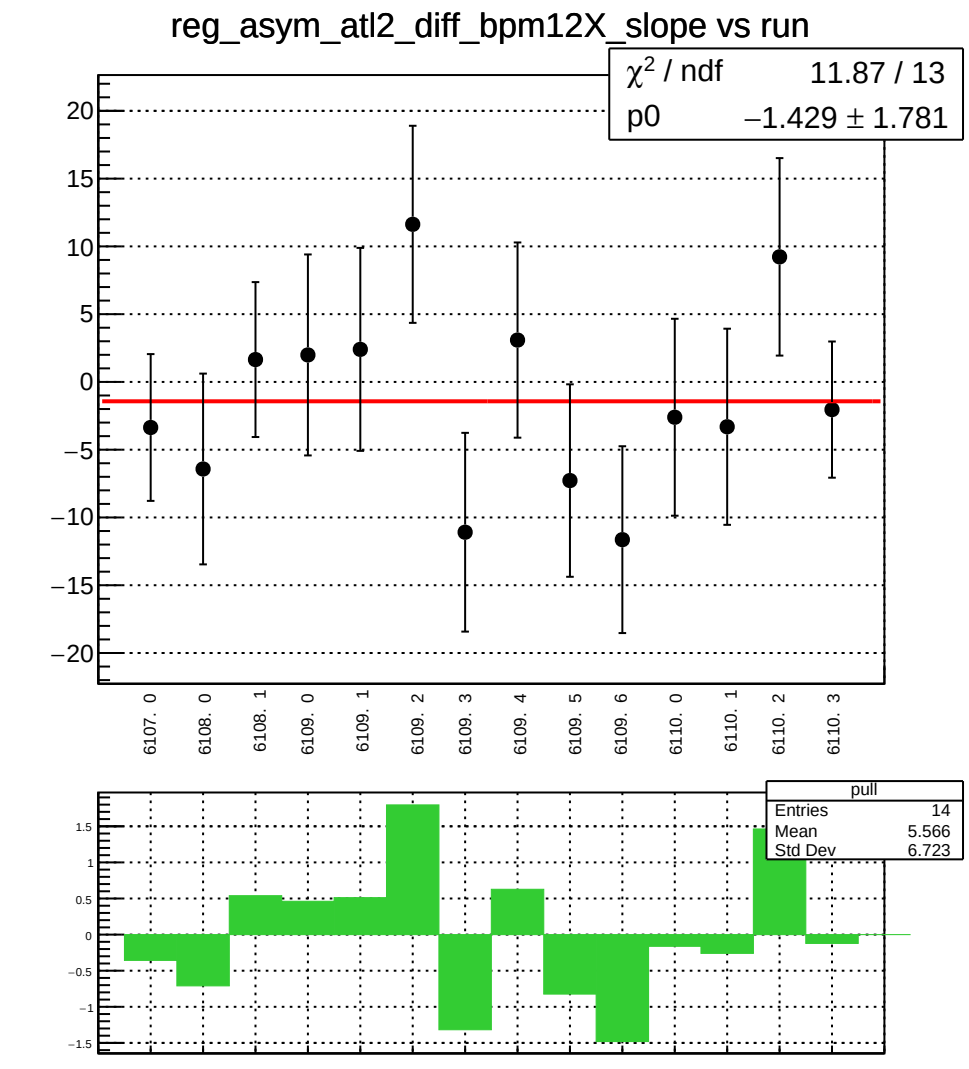

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 8.635 / 13
p0 14.43 ± 23.82
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −200
Std Dev 207.7
1.5
1
0.5
0
−0.5
−1

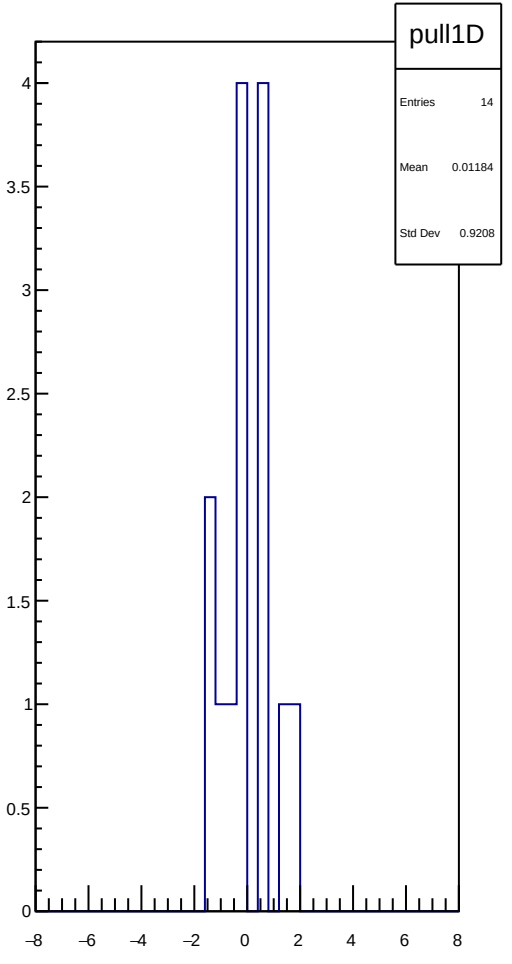

pull1D
Entries 14
Mean 0.007135
Std Dev 0.7853
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

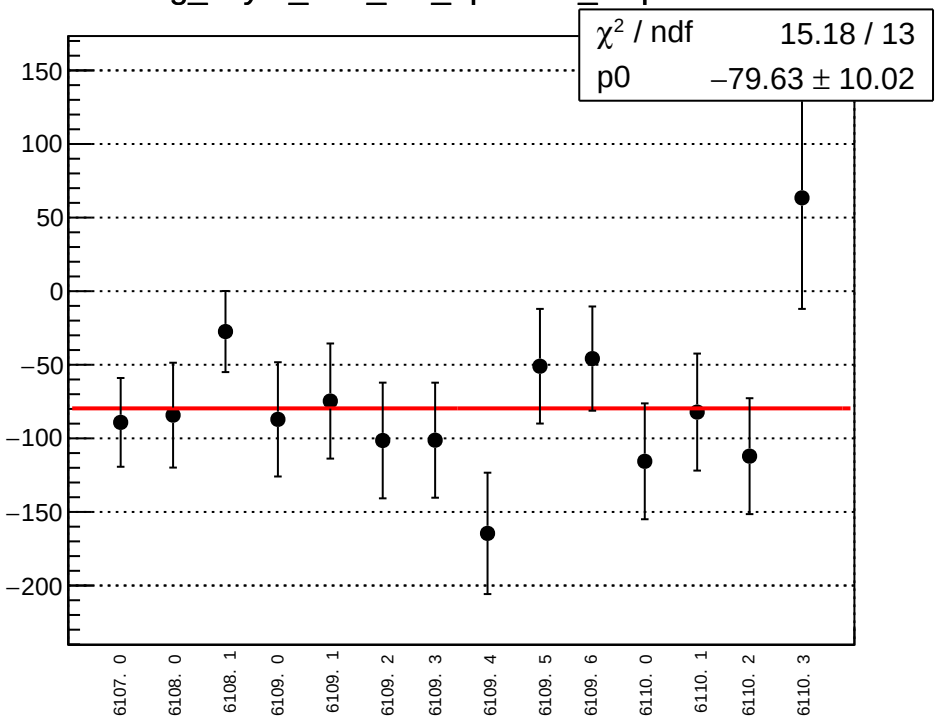

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 12.96 / 13
p0 −29.15 ± 41.46
400
200
0
−200
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −1.054
Std Dev 8.843
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.07766
Std Dev 0.9592
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

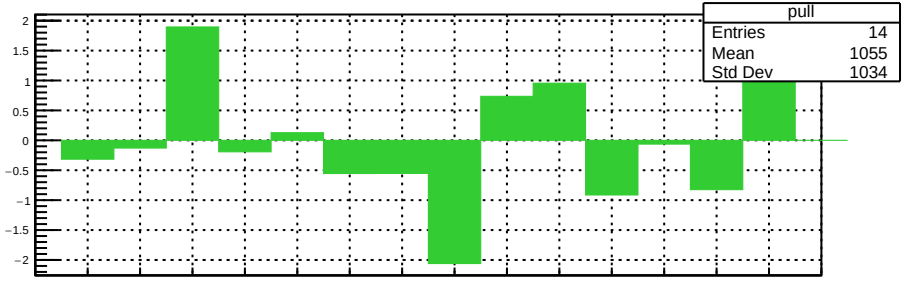

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.097 / 13
p0 −19.21± 25.19
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5905
Std Dev 5897
1
0.5
0
−0.5
−1
−1.5

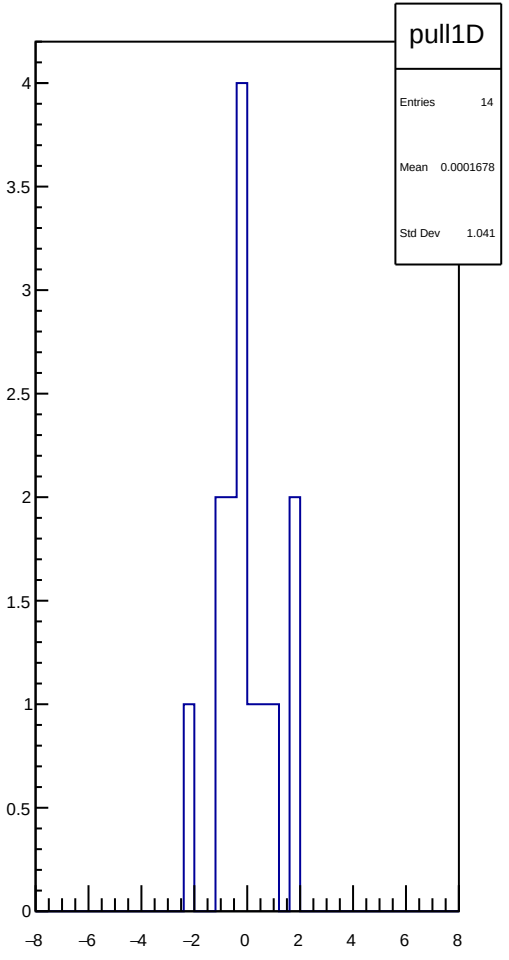

pull1D
Entries 14
Mean 0.0002193
Std Dev 0.8061
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

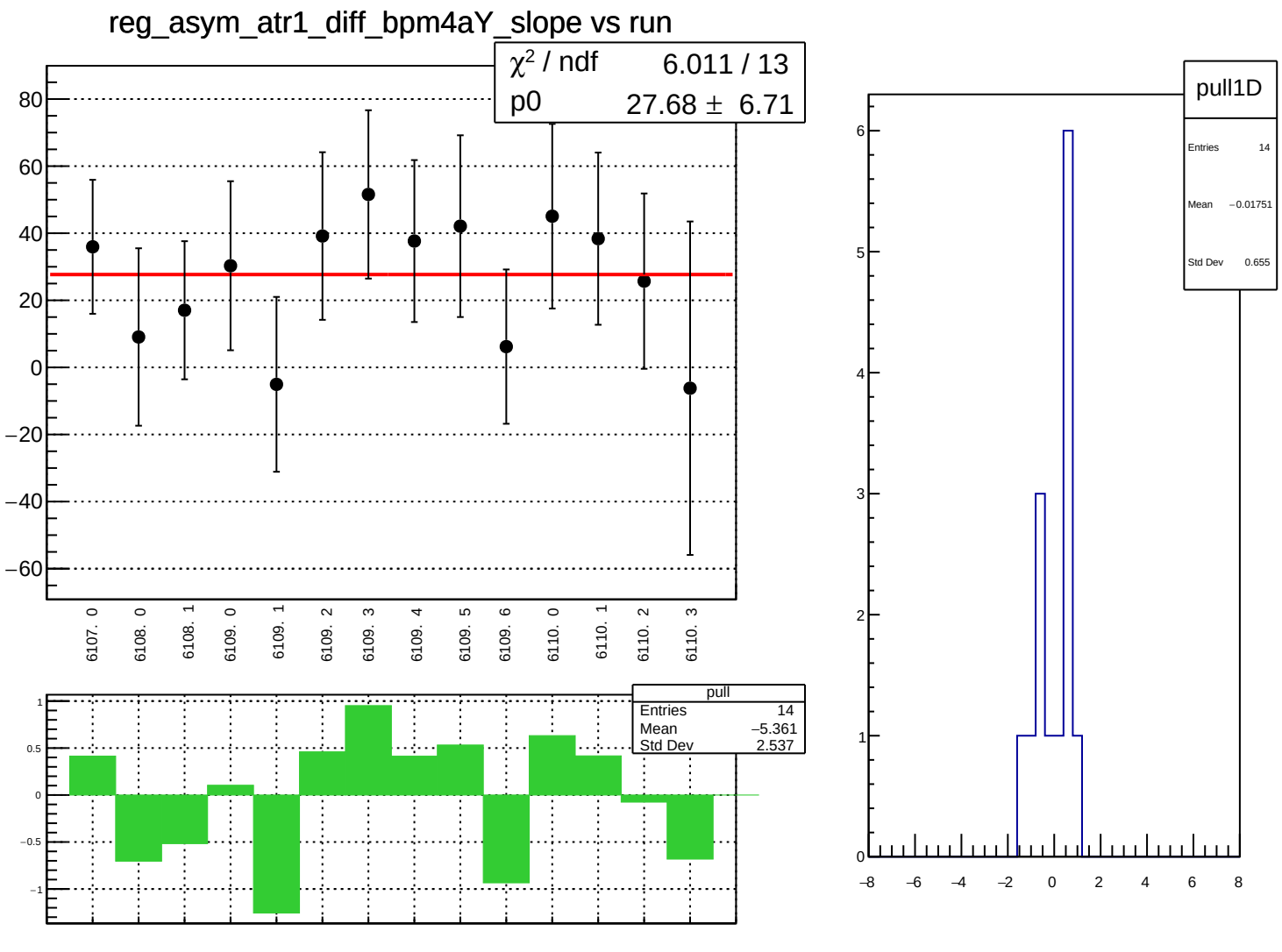

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 11.87 / 13
p0 −1.429 ± 1.781
20
15
10
5
0
−5
−10
−15
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.566
Std Dev 6.723
1.5
1
0.5
0
−0.5
−1
−1.5

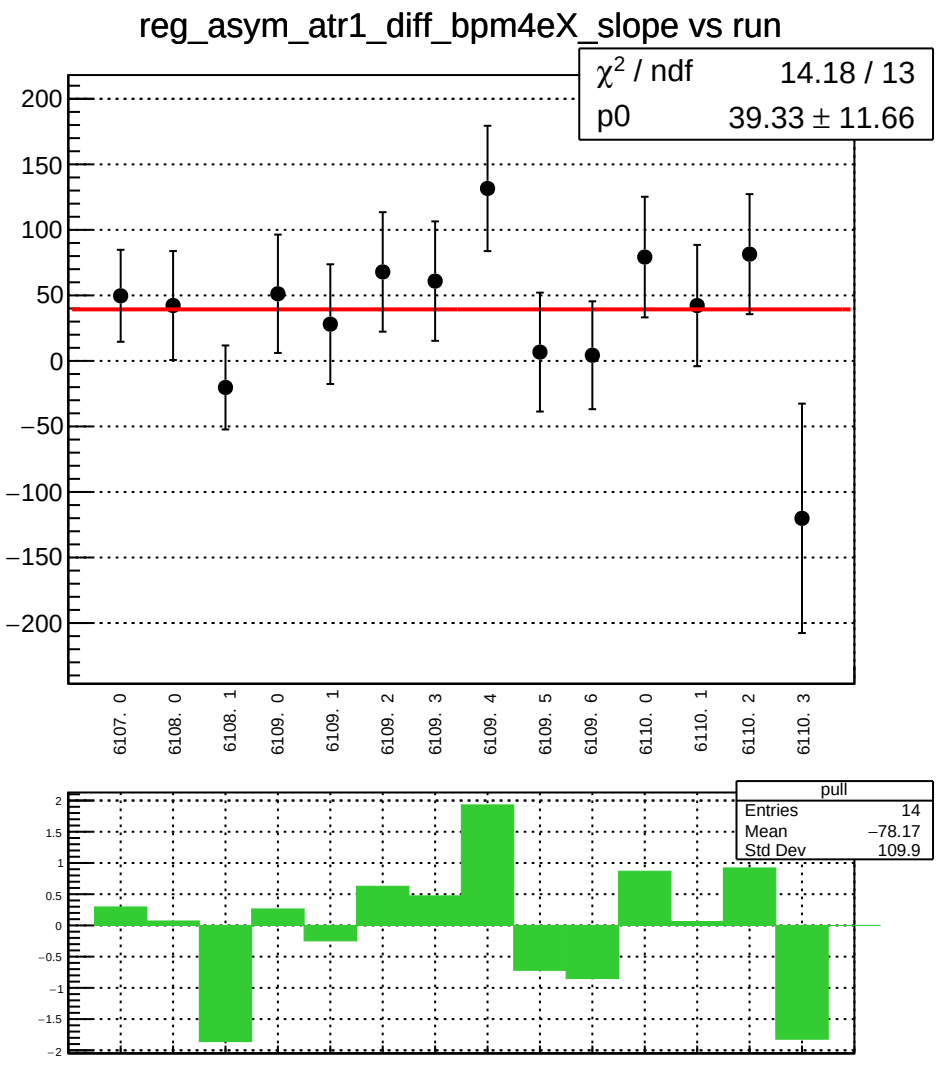

pull1D
Entries 14
Mean 0.01184
Std Dev 0.9208
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

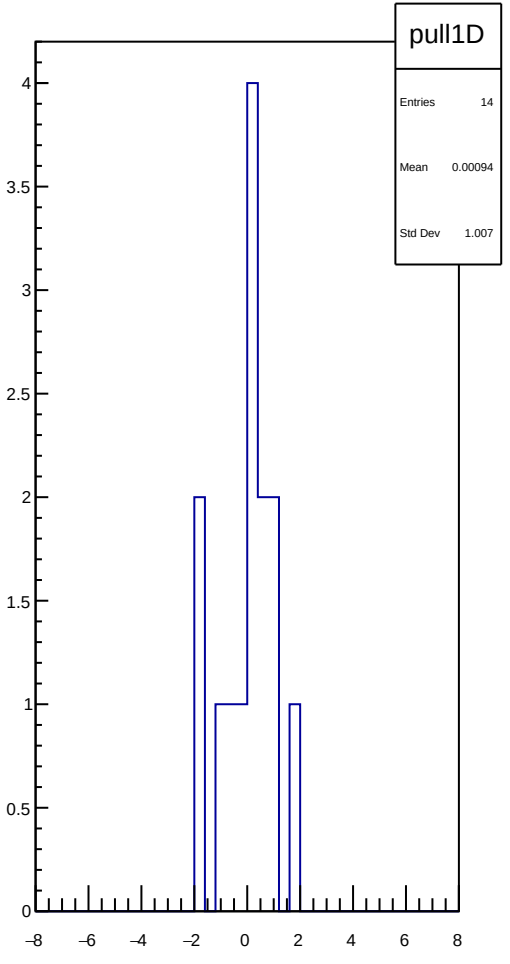

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 15.18 / 13
p0 −79.63 ± 10.02
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

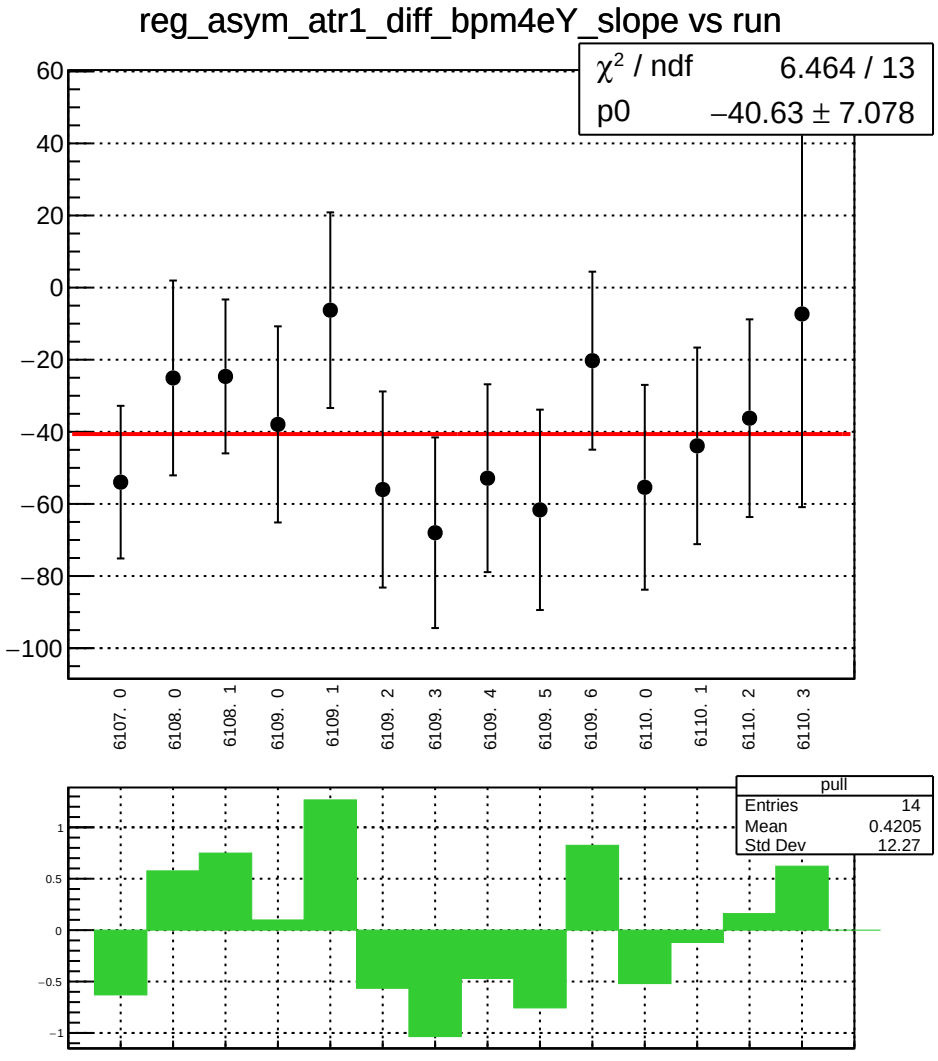

pull
Entries 14
Mean 1055
Std Dev 1034
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

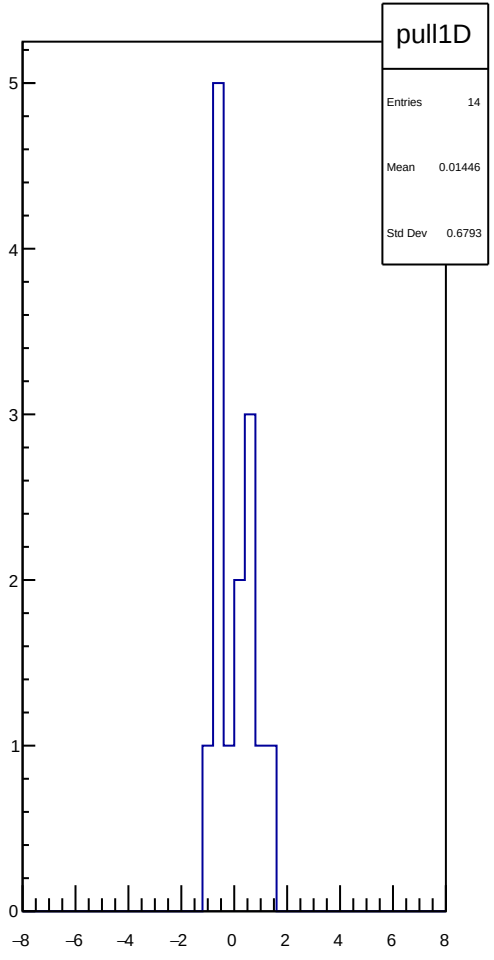

pull1D
Entries 14
Mean 0.0001678
Std Dev 1.041
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

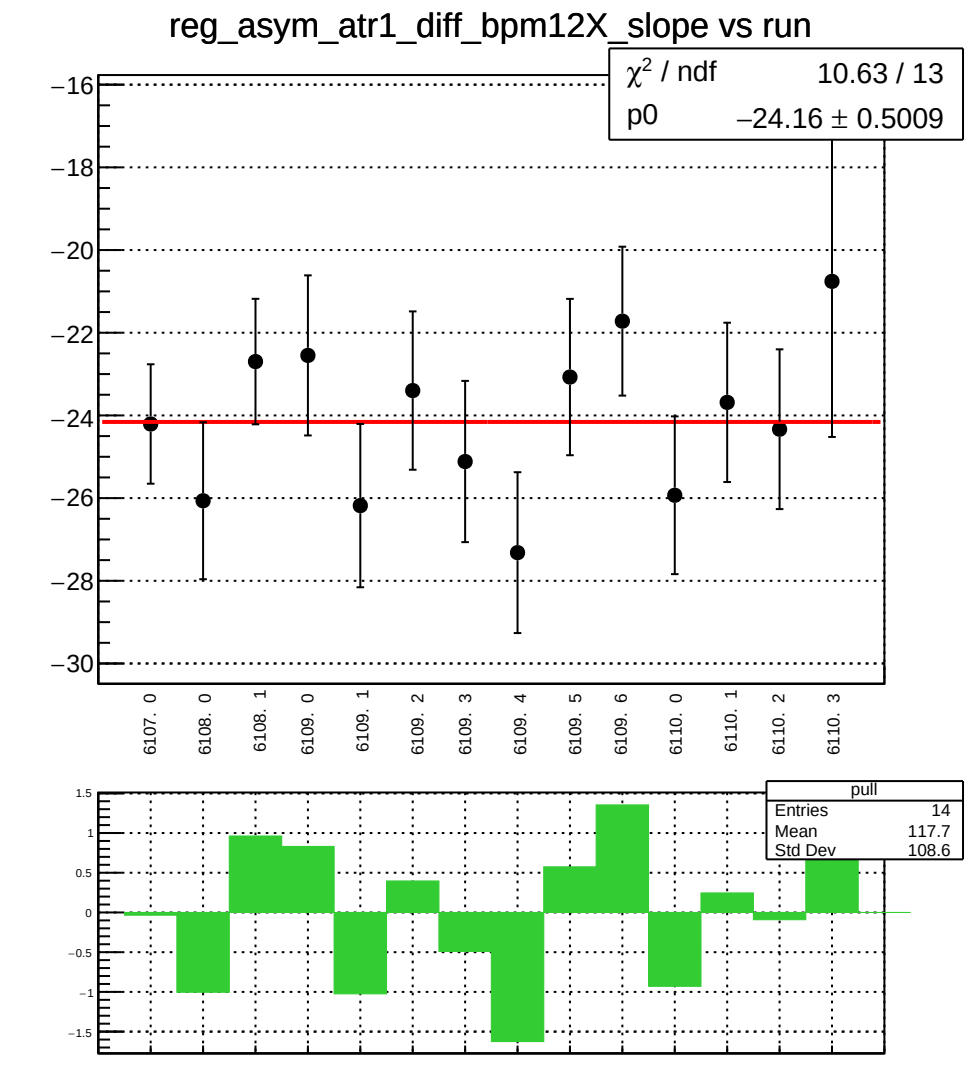

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 6.011 / 13
p0 27.68 ± 6.71
80
60
40
20
0
−20
−40
−60
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −5.361
Std Dev 2.537
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean −0.01751
Std Dev 0.655
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

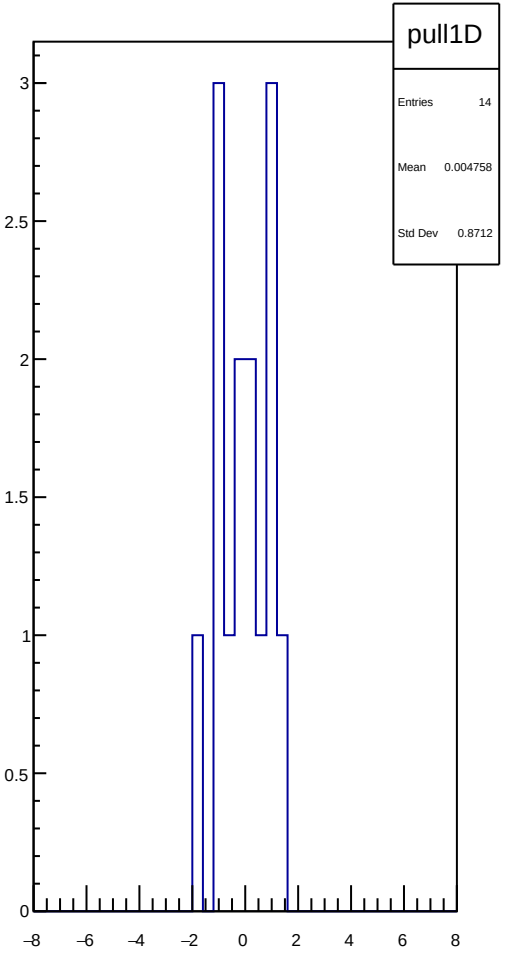

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 14.18 / 13
p0 39.33 ± 11.66
200
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −78.17
Std Dev 109.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

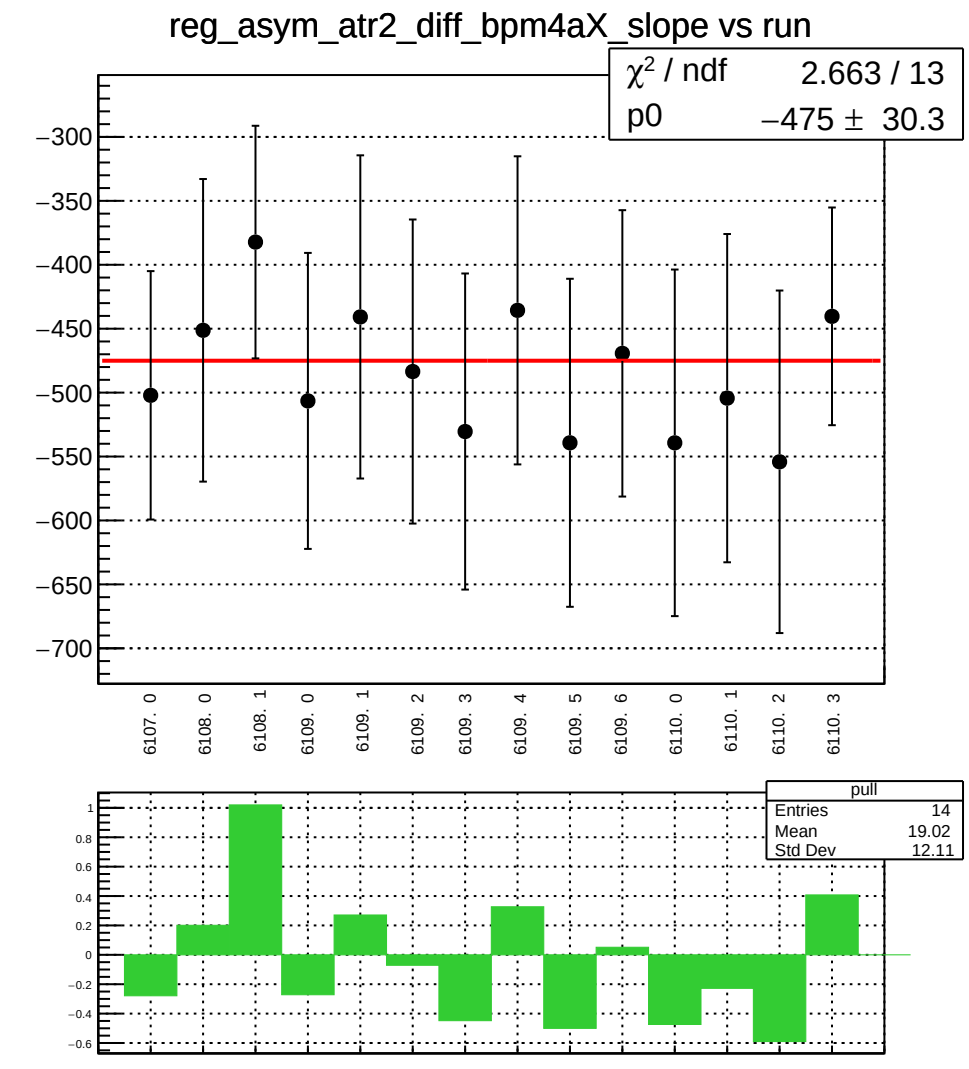

pull1D
Entries 14
Mean 0.00094
Std Dev 1.007
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

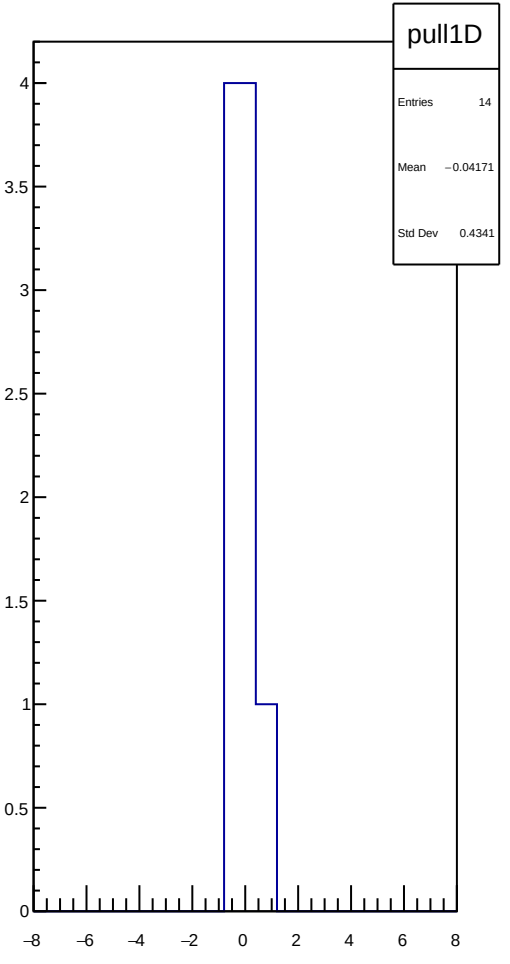

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 6.464 / 13
p0 −40.63 ± 7.078
60
40
20
0
−20
−40
−60
−80
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0.4205
Std Dev 12.27
1
0.5
0
−0.5
−1

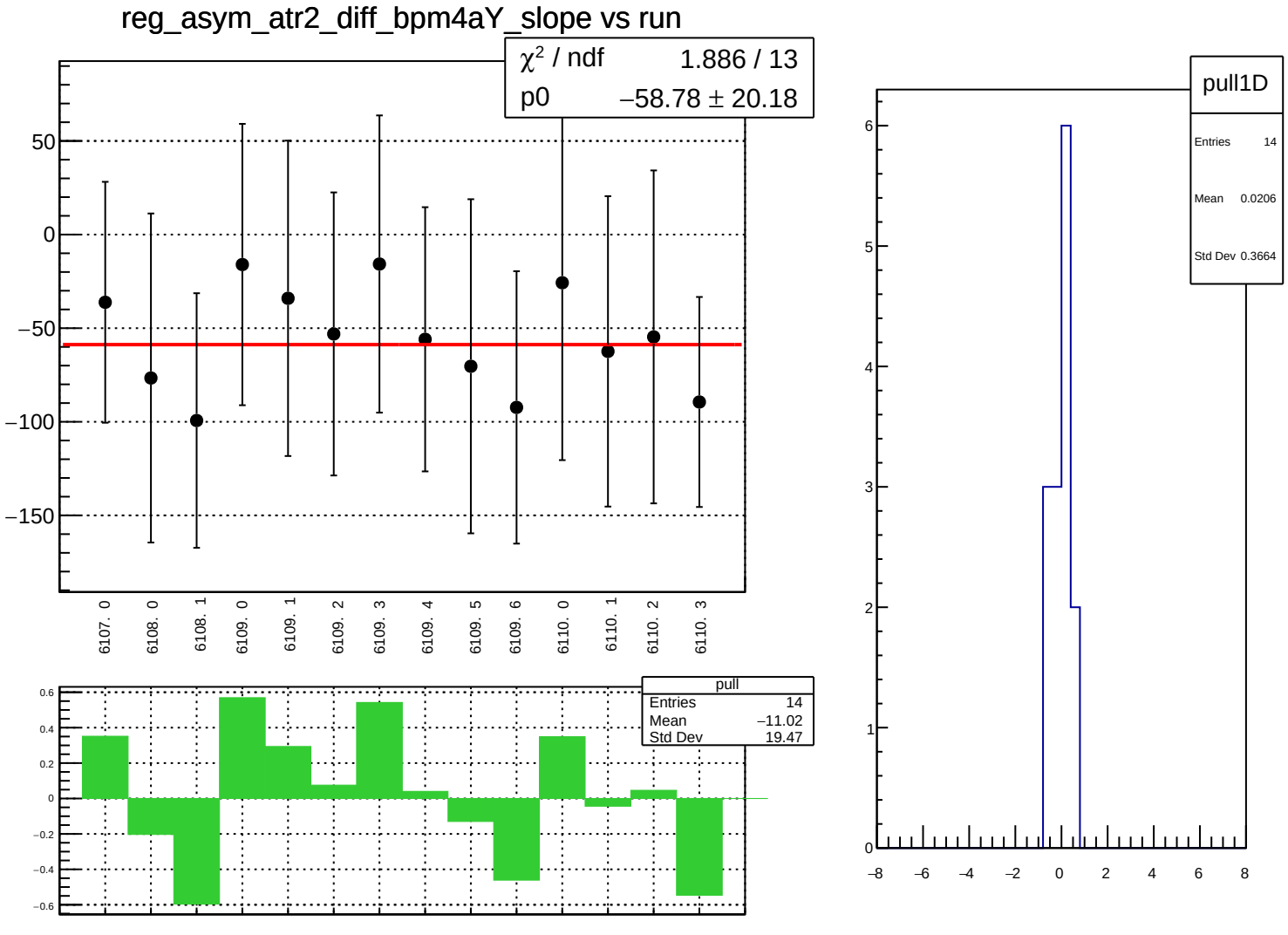

pull1D
Entries 14
Mean 0.01446
Std Dev 0.6793
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

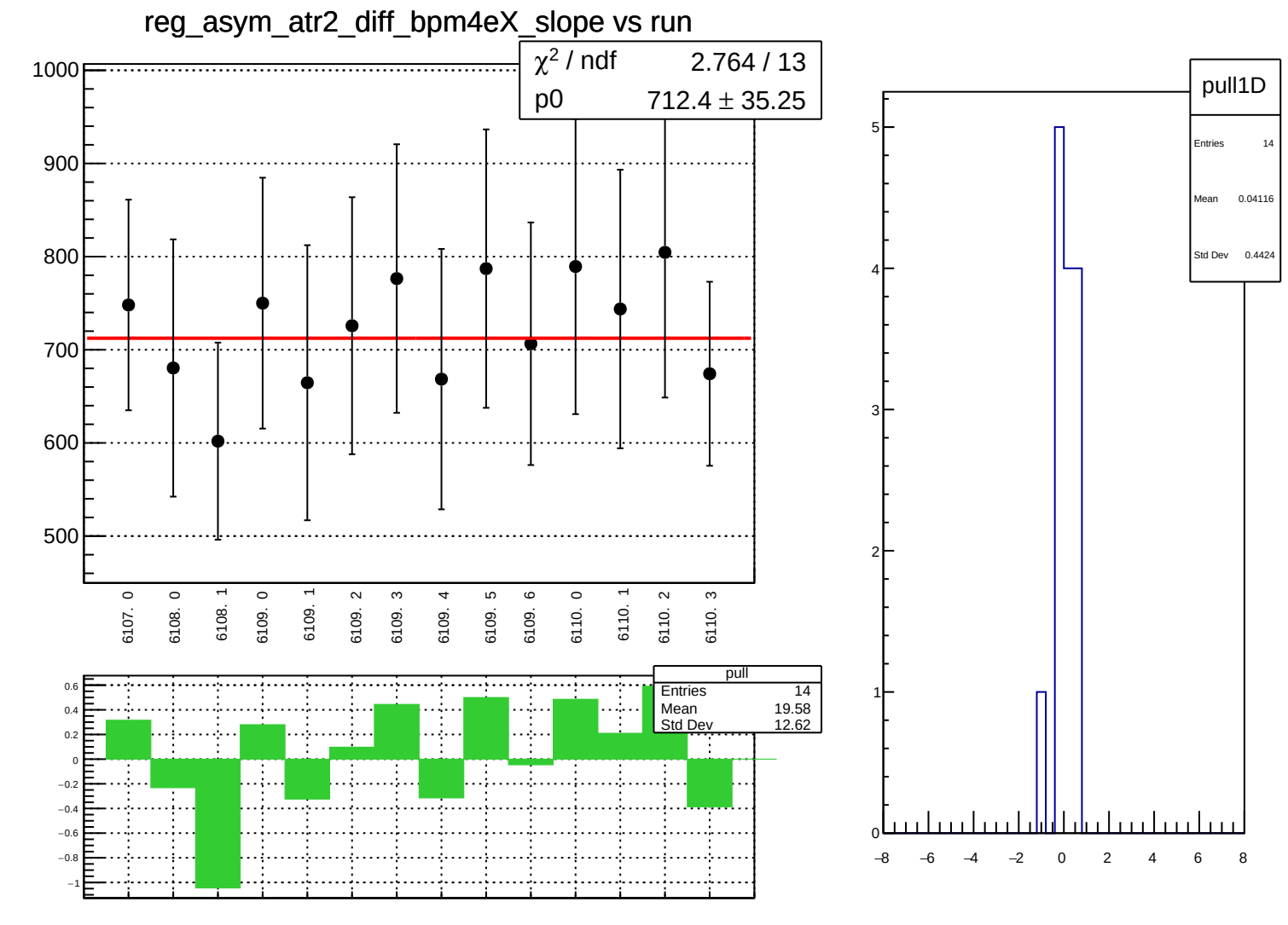

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 10.63 / 13
p0 −24.16 ± 0.5009
−16
−18
−20
−22
−24
−26
−28
−30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 117.7
Std Dev 108.6
1.5
1
0.5
0
−0.5
−1
−1.5

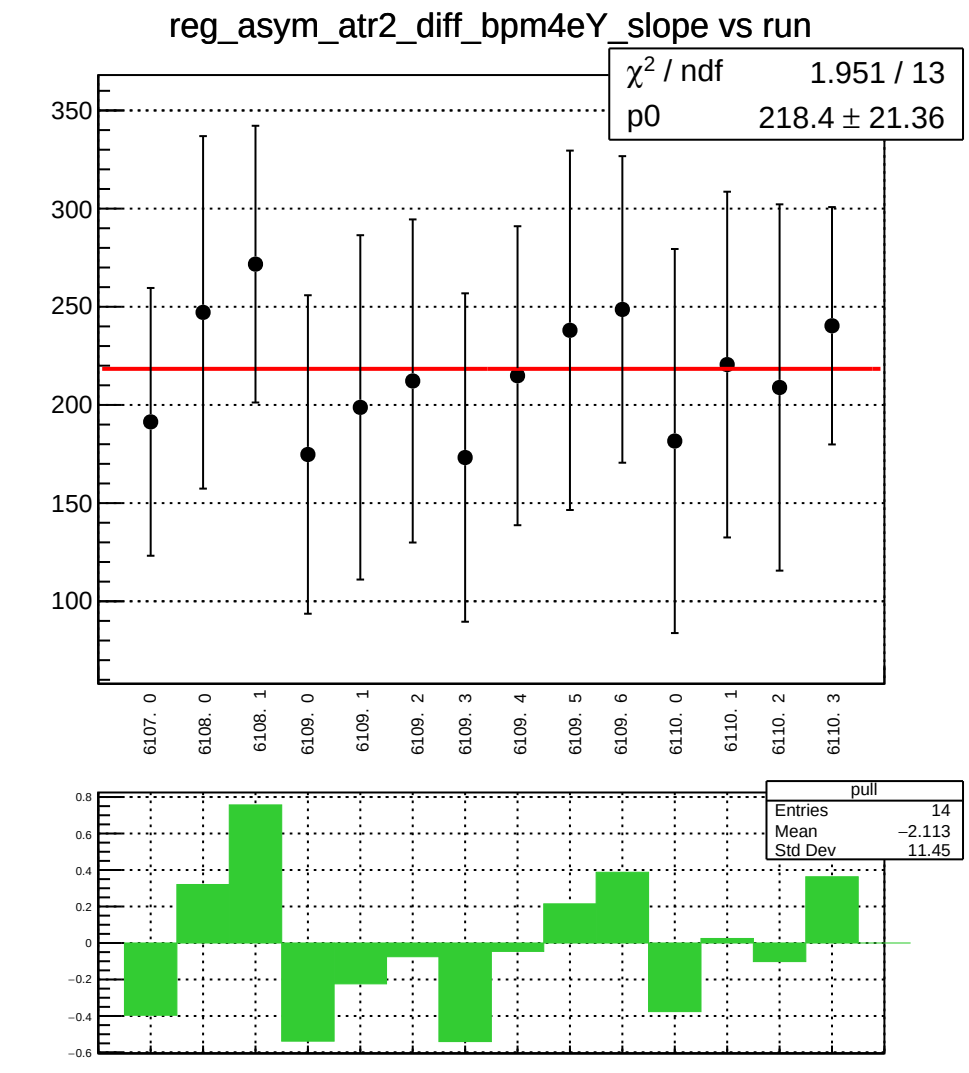

pull1D
Entries 14
Mean 0.004758
Std Dev 0.8712
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

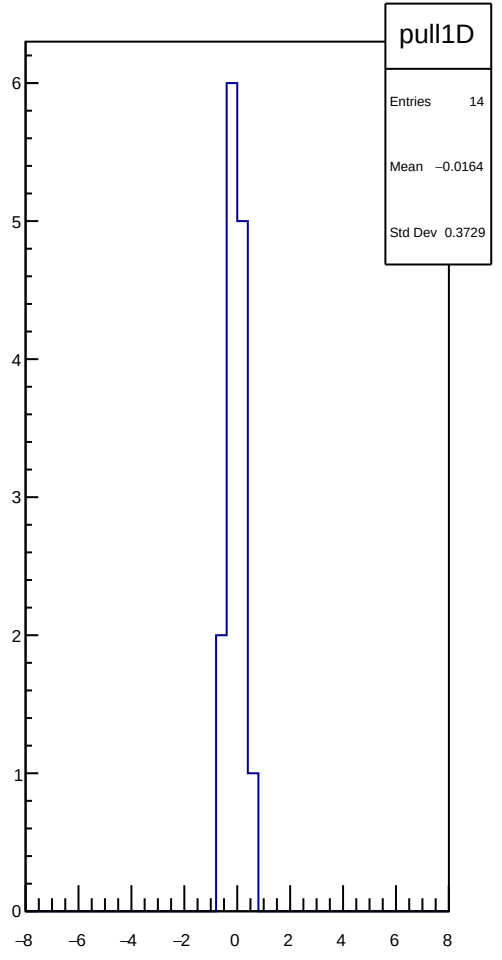

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 2.663 / 13
p0 −475 ± 30.3
−300
−350
−400
−450
−500
−550
−600
−650
−700
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.02
Std Dev 12.11
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

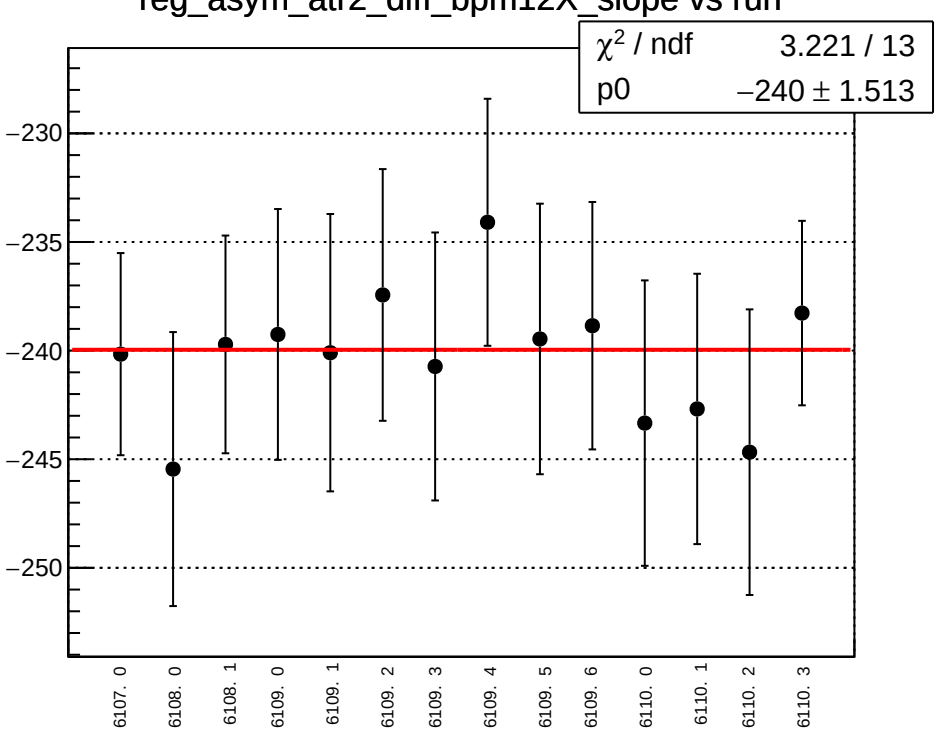

pull1D
Entries 14
Mean −0.04171
Std Dev 0.4341
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

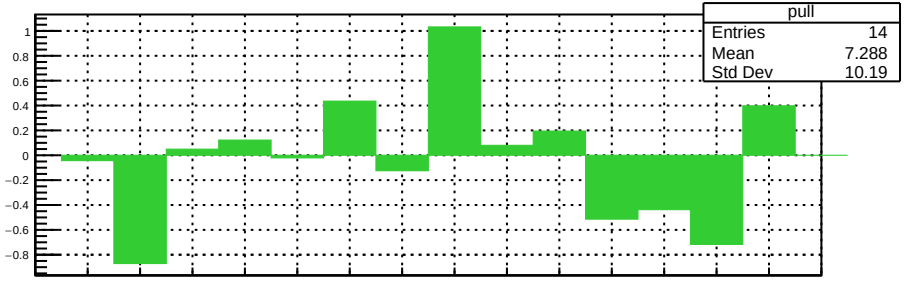

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 1.886 / 13
p0 −58.78 ± 20.18
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.02
Std Dev 19.47
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean 0.0206
Std Dev 0.3664
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

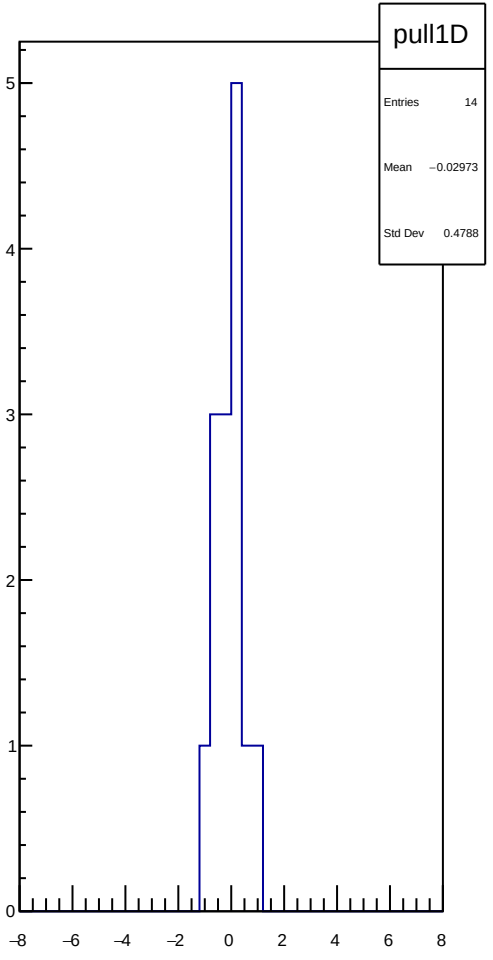

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 2.764 / 13
p0 712.4 ± 35.25
1000
900
800
700
600
500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 19.58
Std Dev 12.62
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 14
Mean 0.04116
Std Dev 0.4424
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

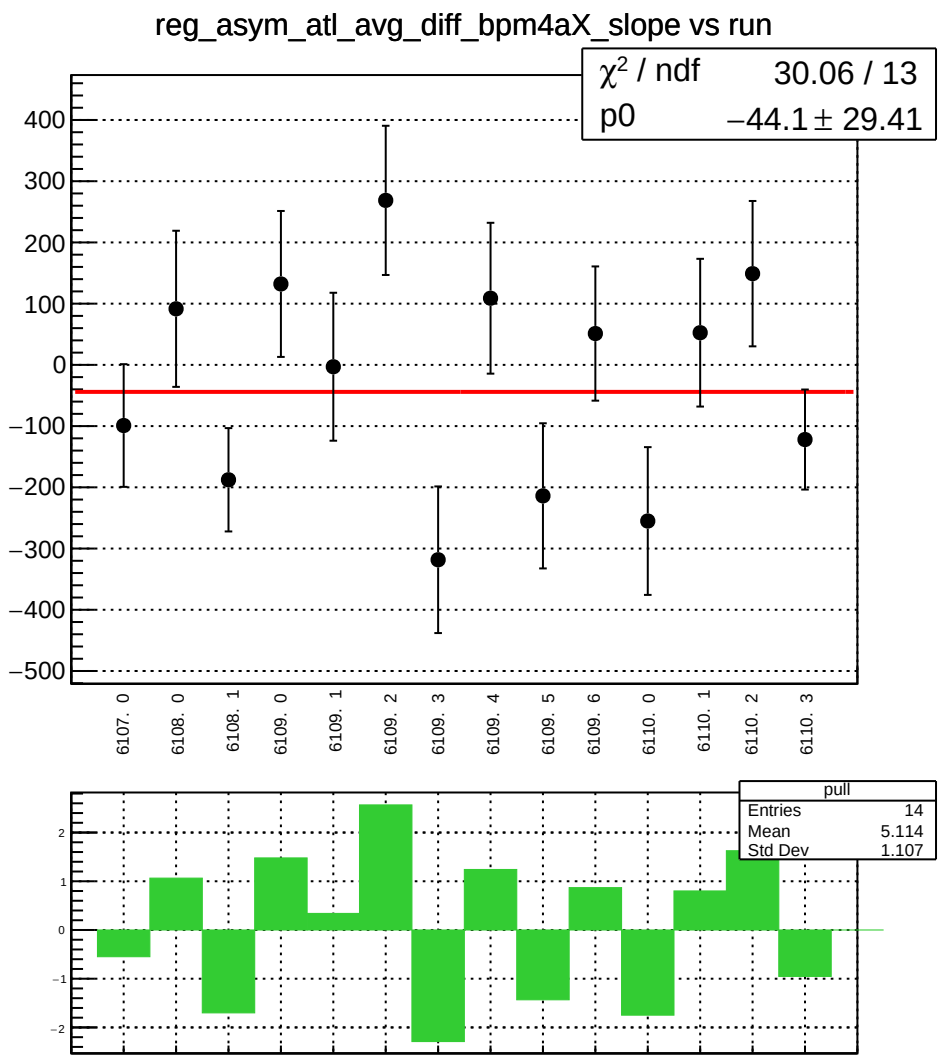

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 1.951 / 13
p0 218.4 ± 21.36
350
300
250
200
150
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −2.113
Std Dev 11.45
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

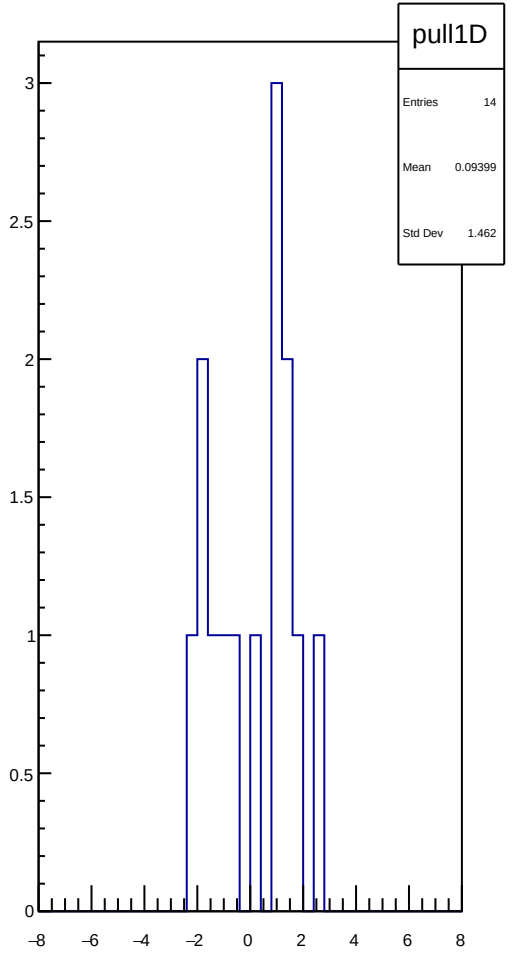

pull1D
Entries 14
Mean −0.0164
Std Dev 0.3729
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

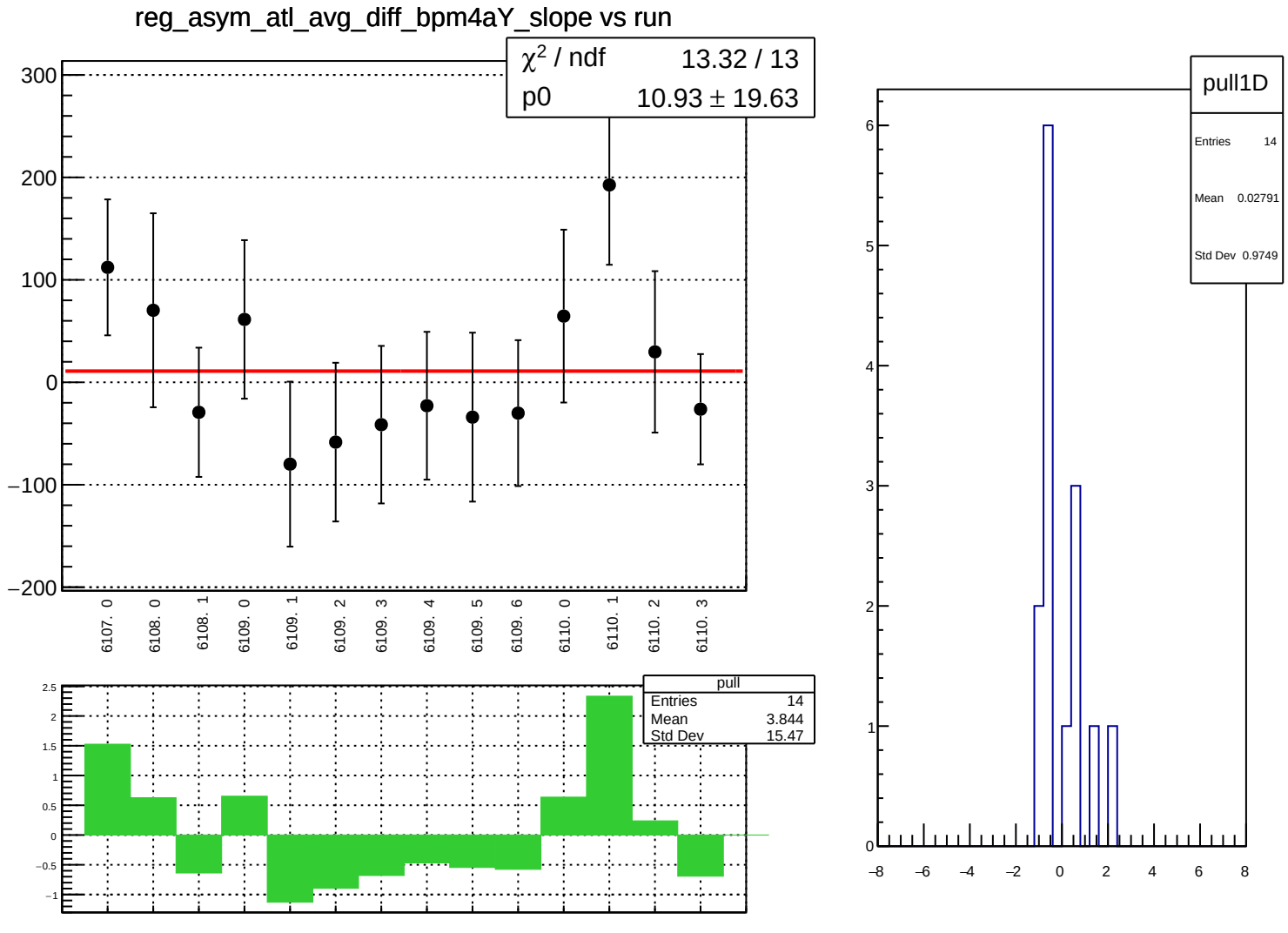

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 3.221 / 13
p0 −240 ± 1.513
−230
−235
−240
−245
−250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

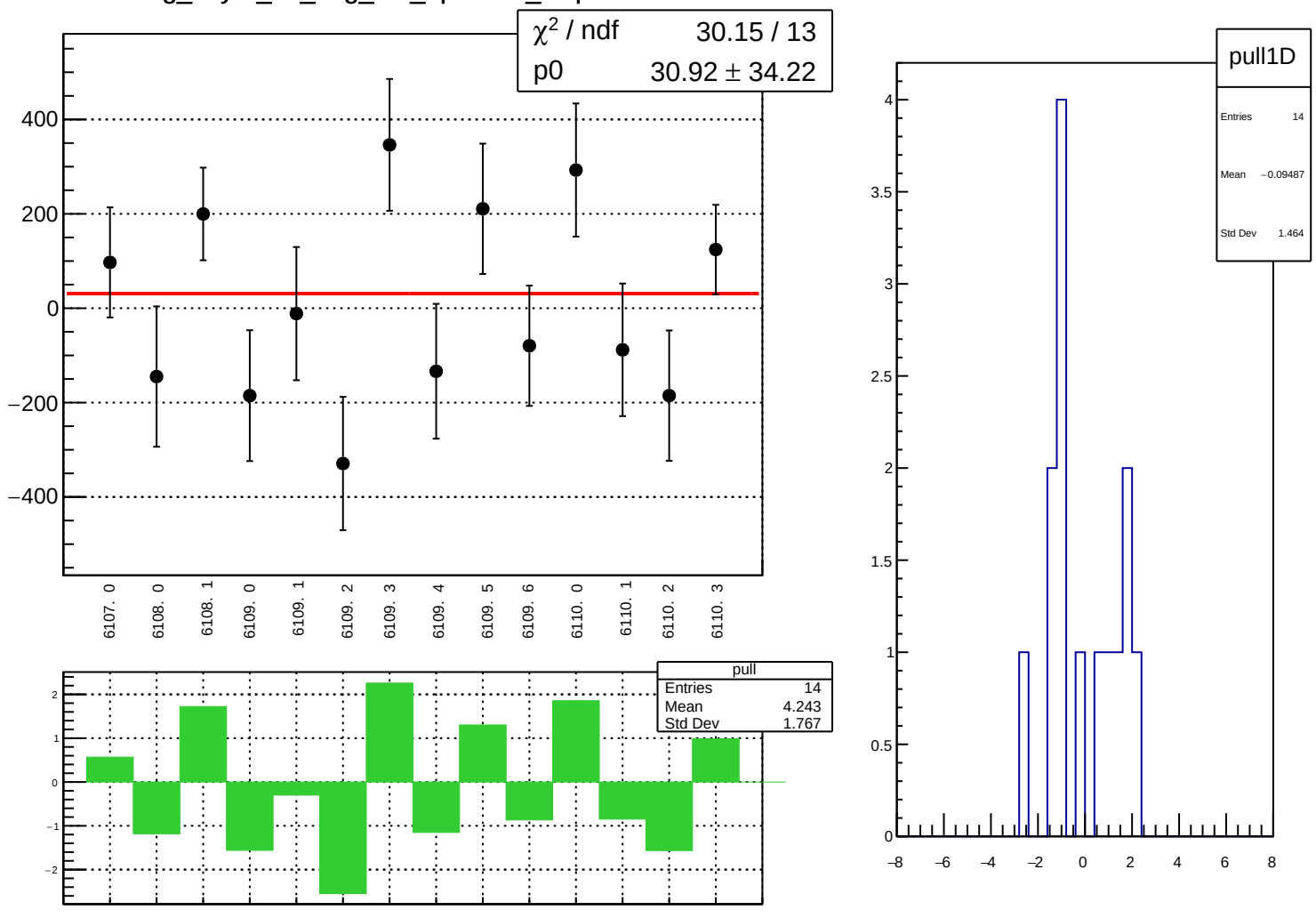

pull
Entries 14
Mean 7.288
Std Dev 10.19
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

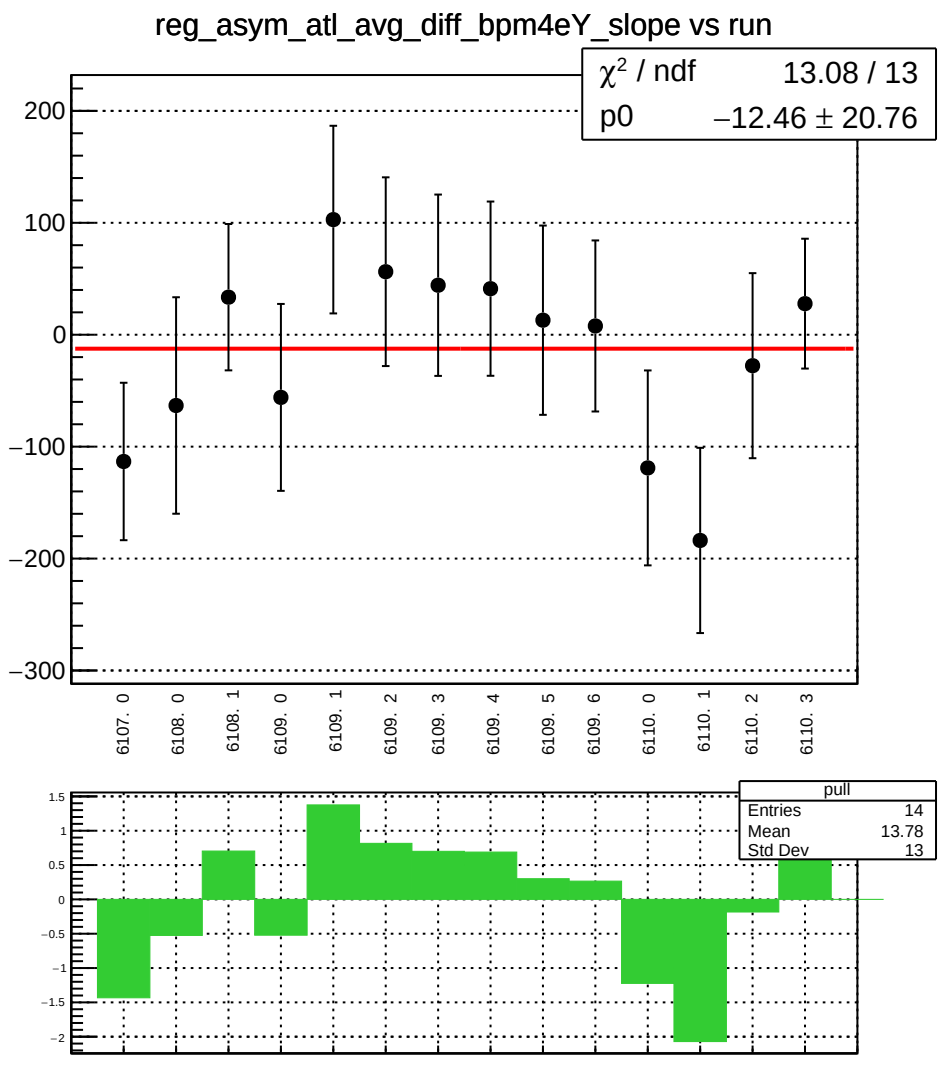

pull1D
Entries 14
Mean −0.02973
Std Dev 0.4788
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

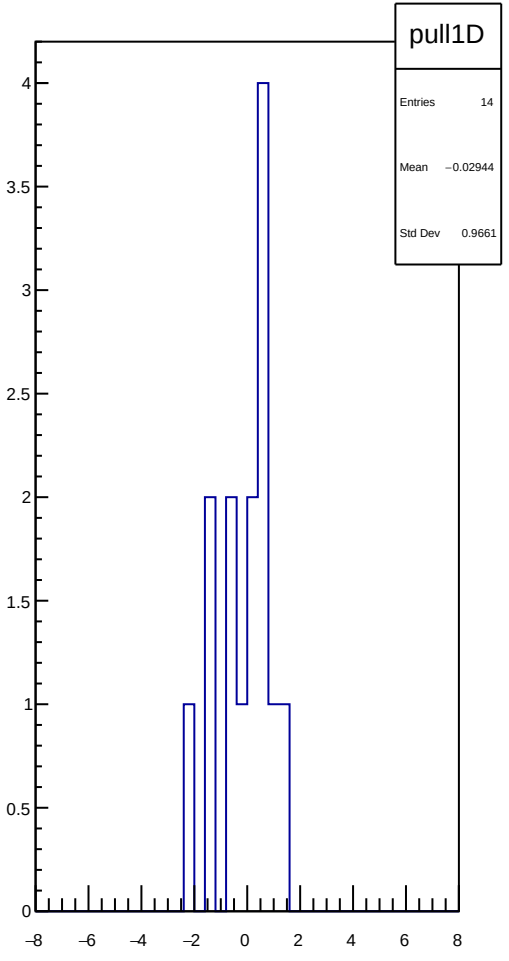

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 30.06 / 13
p0 −44.1 ± 29.41
400
300
200
100
0
−100
−200
−300
−400
−500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.114
Std Dev 1.107
2
1
0
−1
−2

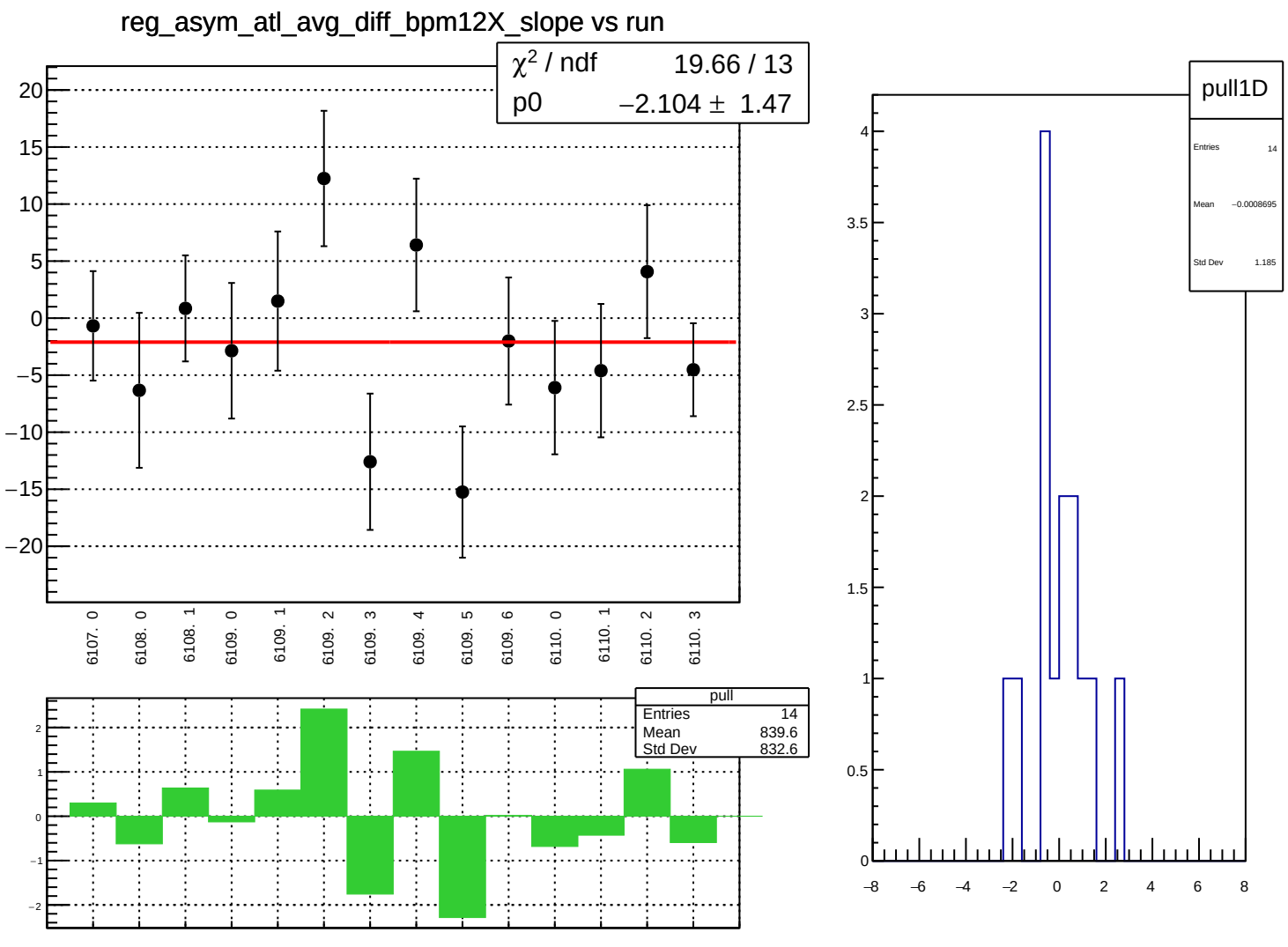

pull1D
Entries 14
Mean 0.09399
Std Dev 1.462
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

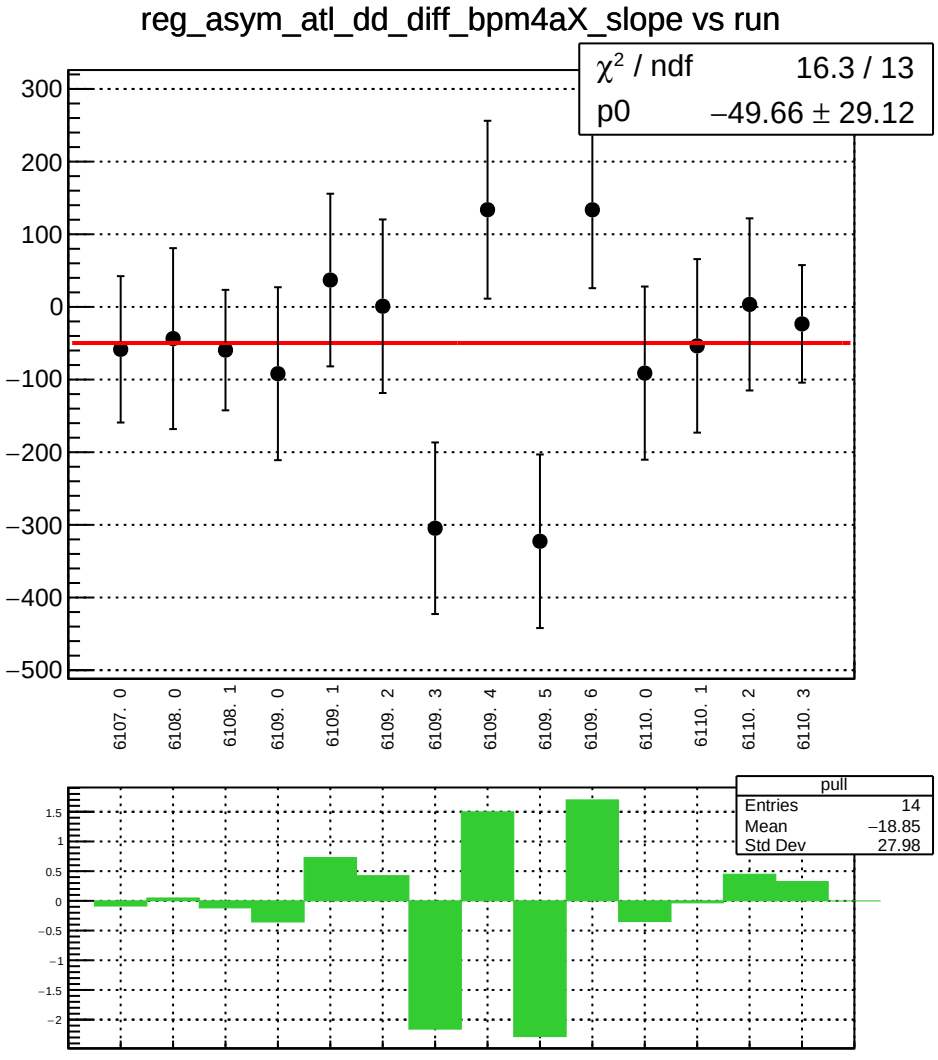

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 13
p0 10.93 ± 19.63
300
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 3.844
Std Dev 15.47
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean 0.02791
Std Dev 0.9749
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

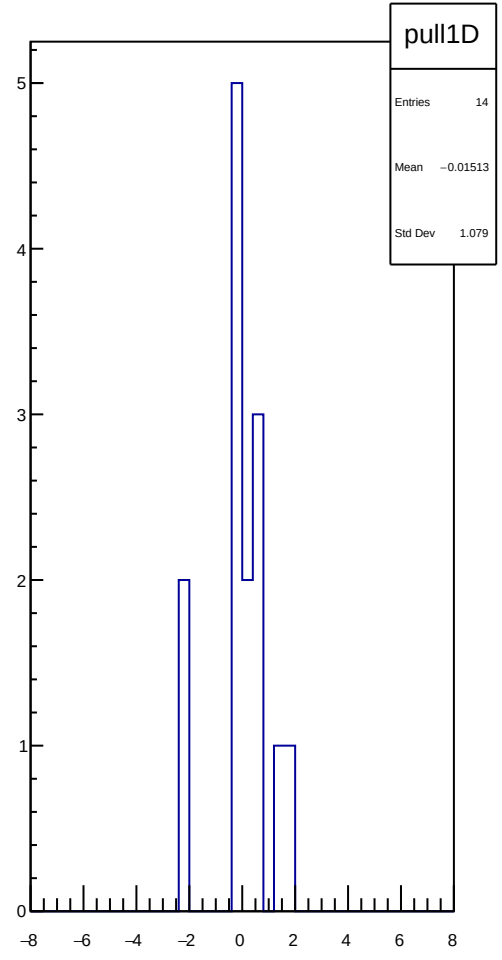

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.15 / 13
p0 30.92 ± 34.22
400
200
0
−200
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 4.243
Std Dev 1.767
2
1
0
−1
−2
pull1D
Entries 14
Mean −0.09487
Std Dev 1.464
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

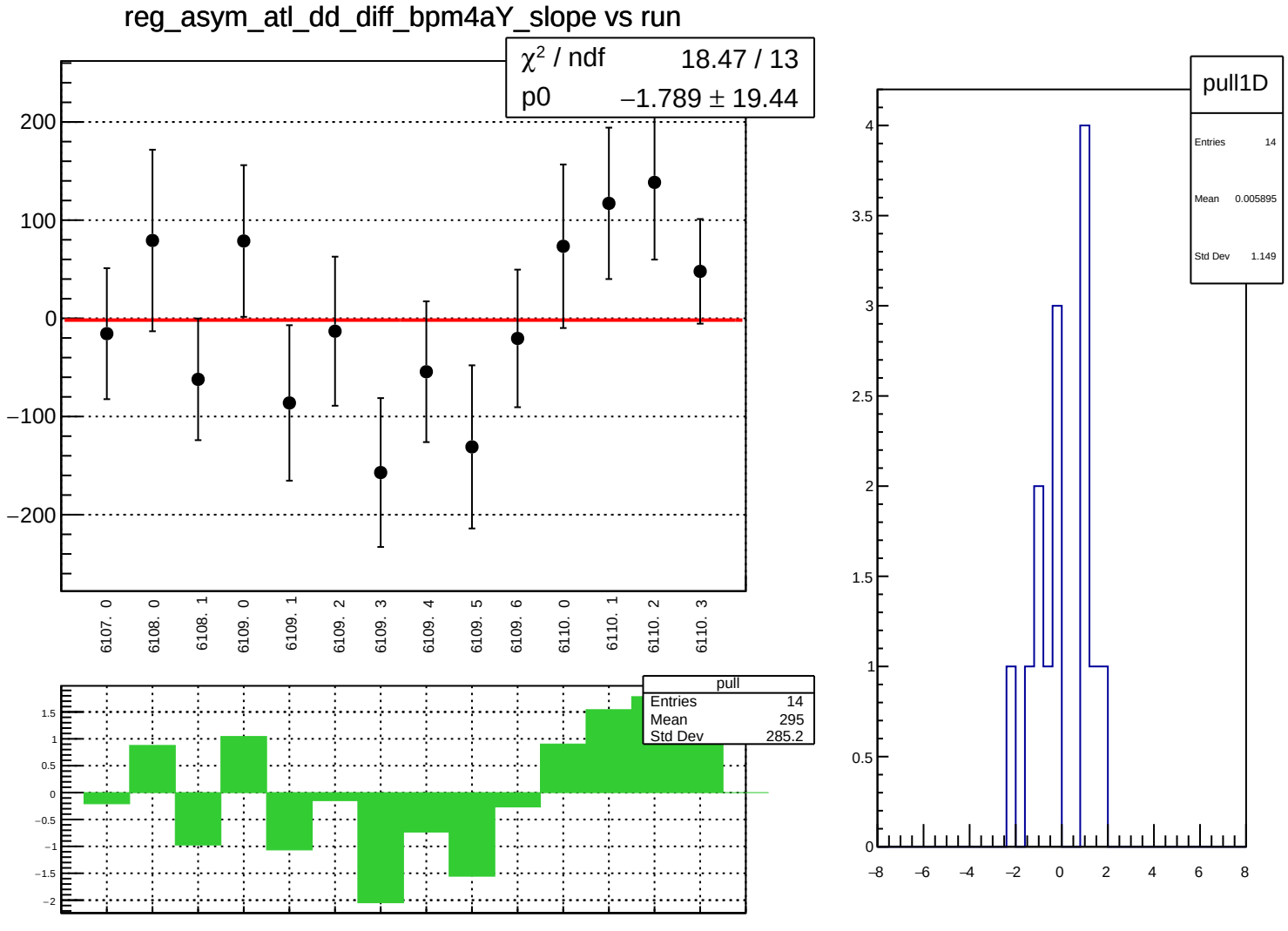

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.08 / 13
p0 −12.46 ± 20.76
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 13.78
Std Dev 13
1.5
1
0.5
0
−0.5
−1
−1.5
−2

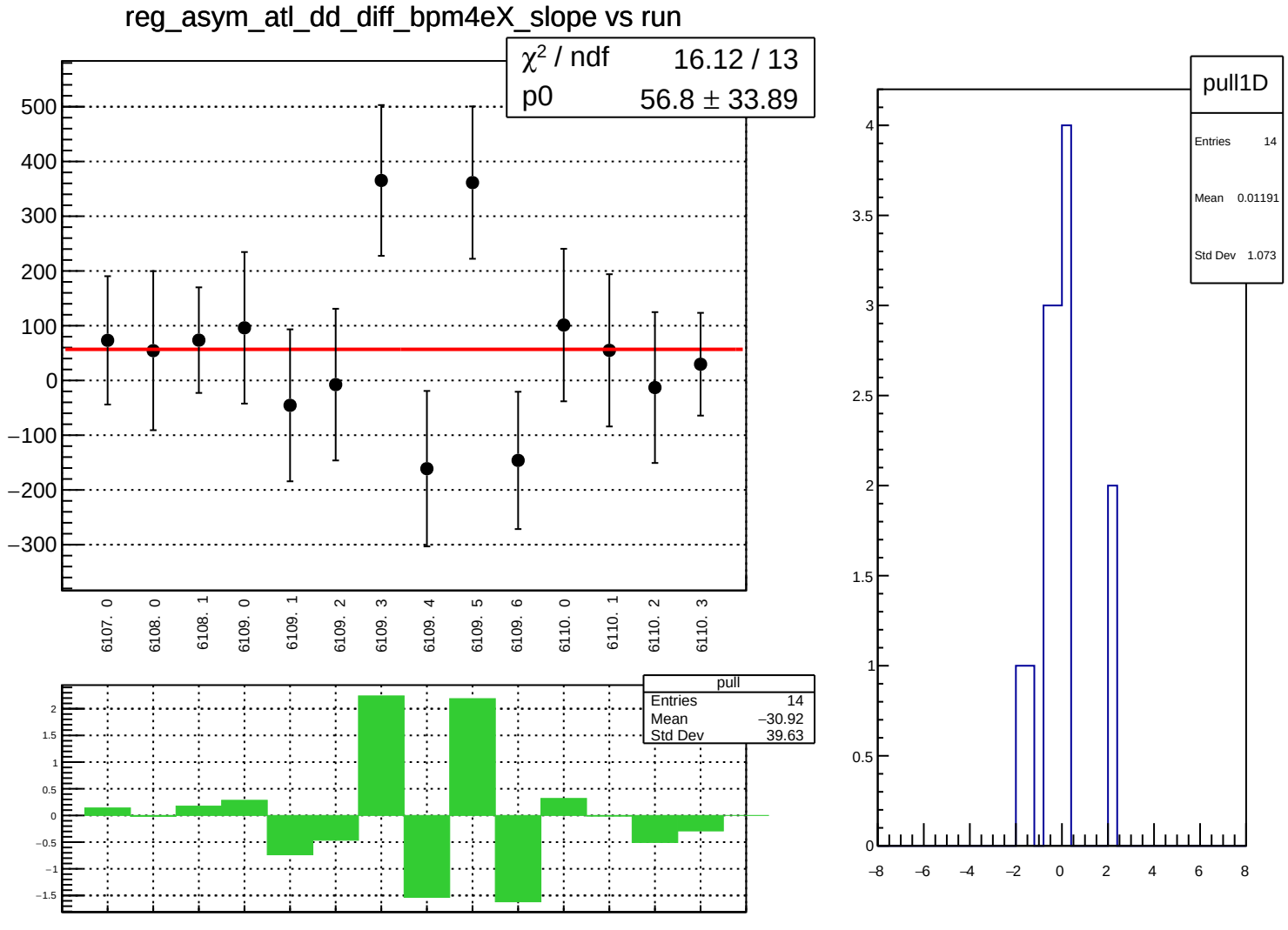

pull1D
Entries 14
Mean −0.02944
Std Dev 0.9661
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

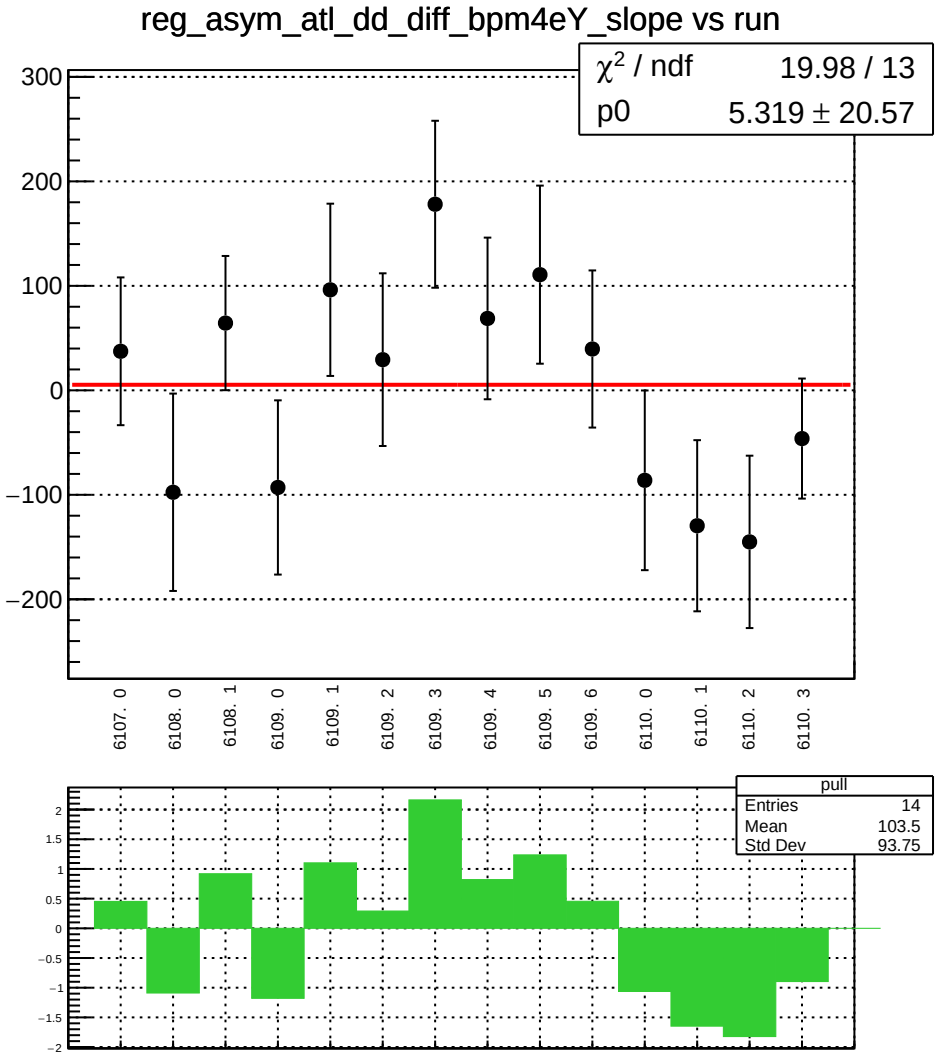

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 19.66 / 13
p0 −2.104 ± 1.47
20
15
10
5
0
−5
−10
−15
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 839.6
Std Dev 832.6
2
1
0
−1
−2
pull1D
Entries 14
Mean −0.0008695
Std Dev 1.185
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

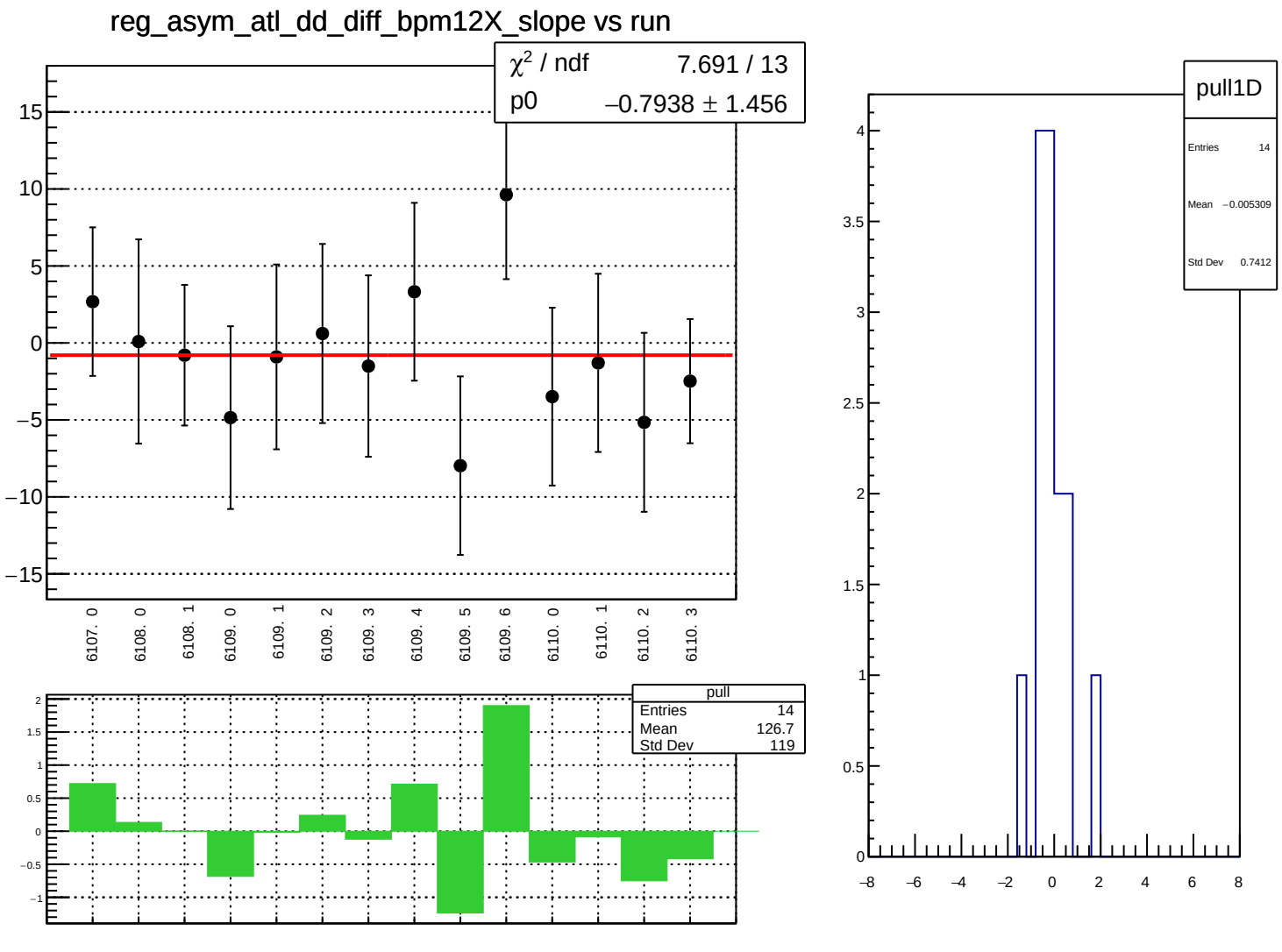

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 16.3 / 13
p0 −49.66 ± 29.12
300
200
100
0
−100
−200
−300
−400
−500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −18.85
Std Dev 27.98
1.5
1
0.5
0
−0.5
−1
−1.5
−2

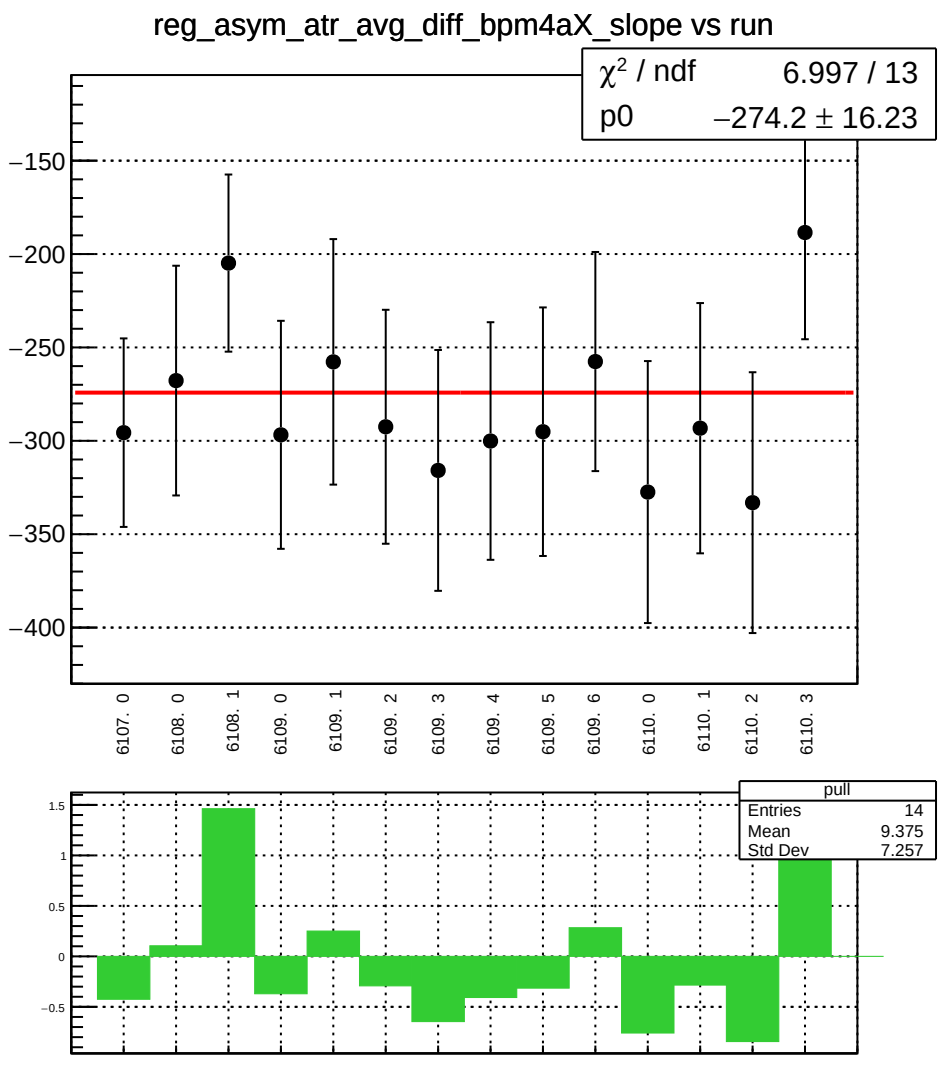

pull1D
Entries 14
Mean −0.01513
Std Dev 1.079
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

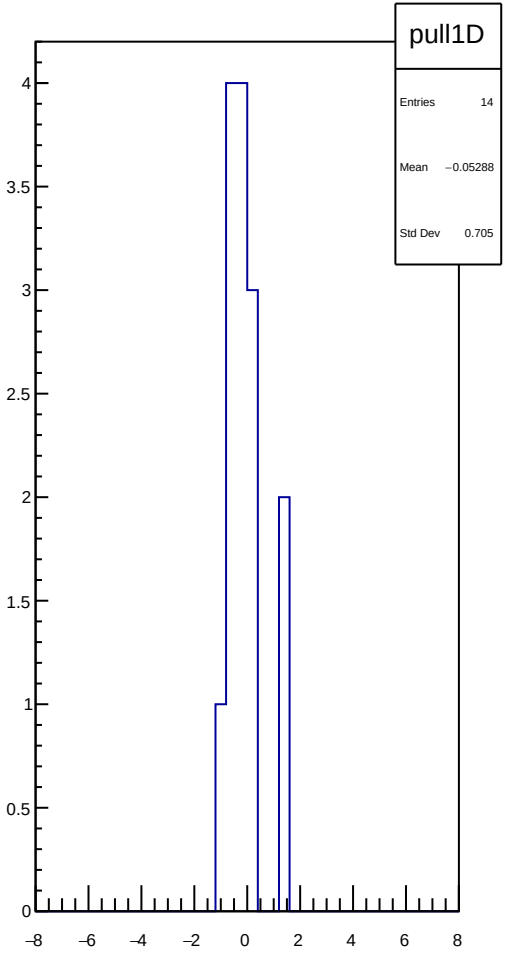

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.47 / 13
p0 −1.789 ± 19.44
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 295
Std Dev 285.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.005895
Std Dev 1.149
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

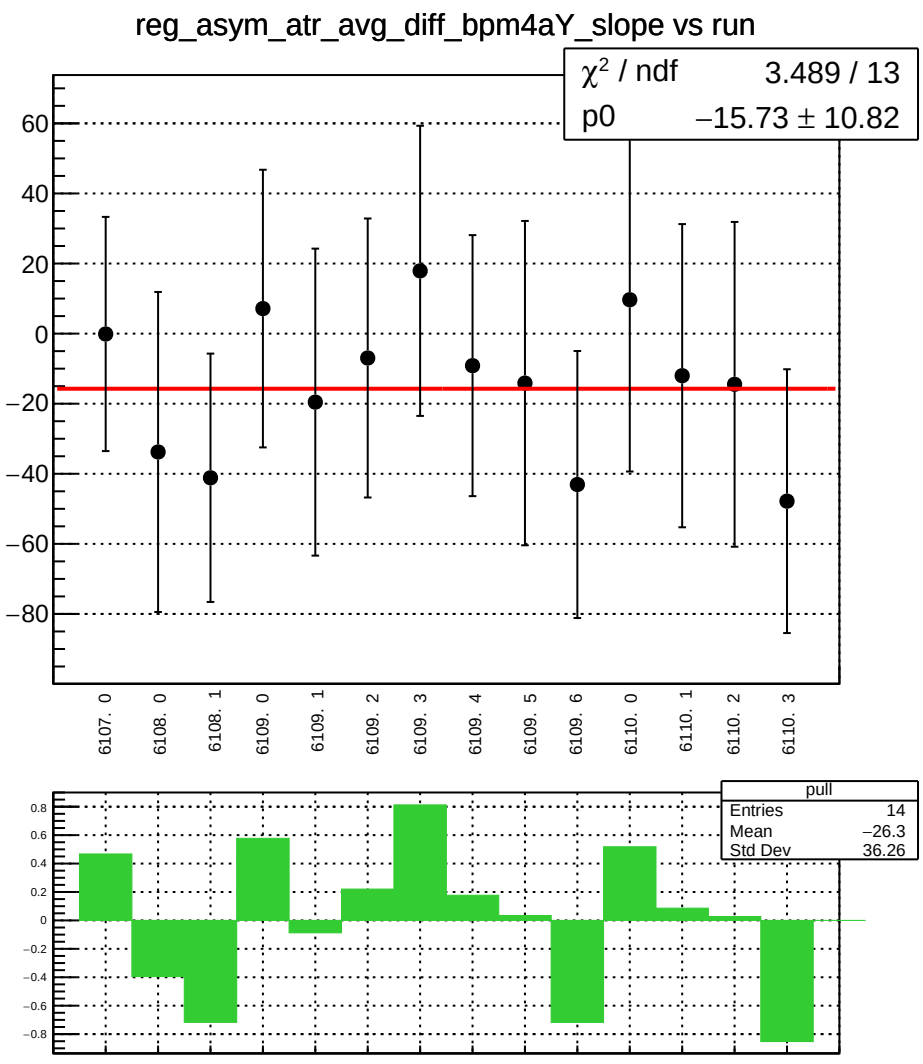

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.12 / 13
p0 56.8 ± 33.89
500
400
300
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −30.92
Std Dev 39.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.01191
Std Dev 1.073
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

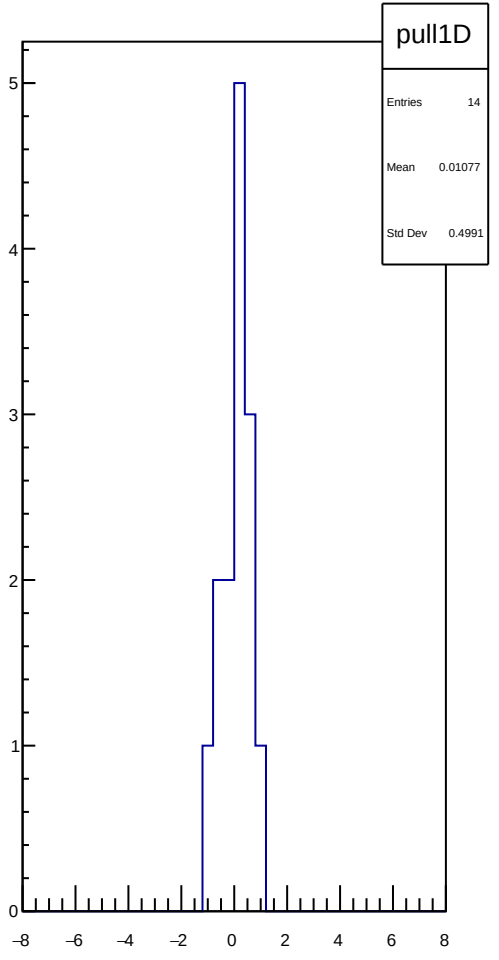

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.98 / 13
p0 5.319 ± 20.57
300
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 103.5
Std Dev 93.75
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.01837
Std Dev 1.195
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

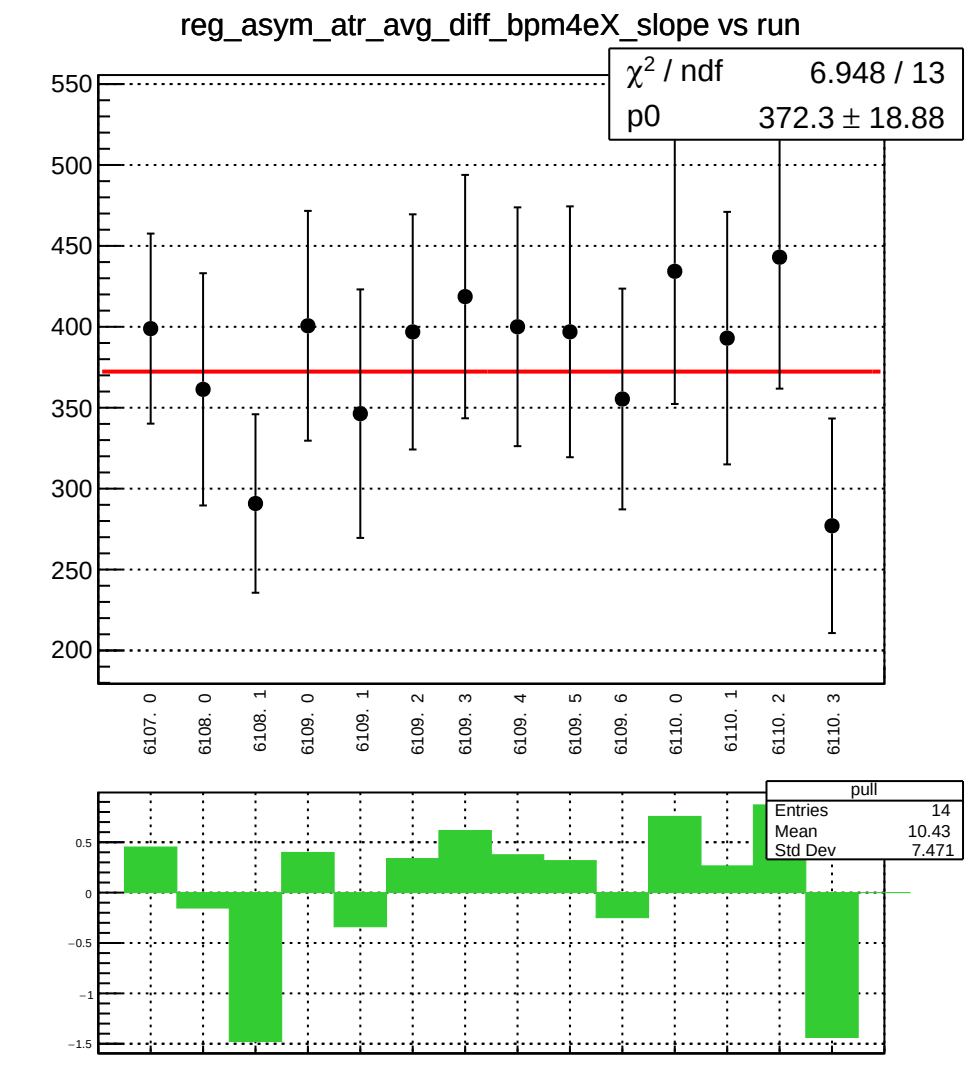

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 7.691 / 13
p0 −0.7938 ± 1.456
15
10
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 126.7
Std Dev 119
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean −0.005309
Std Dev 0.7412
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

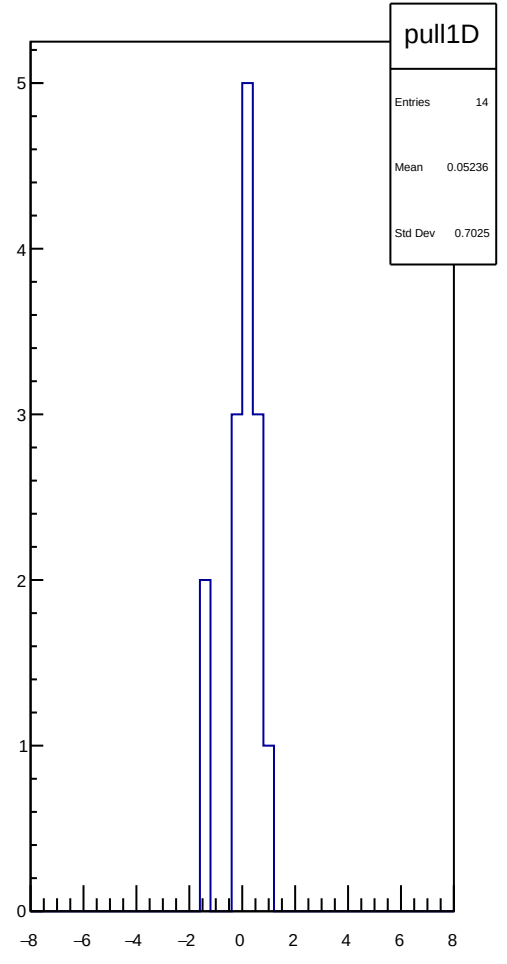

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.997 / 13
p0 −274.2 ± 16.23
−150
−200
−250
−300
−350
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 9.375
Std Dev 7.257
1.5
1
0.5
0
−0.5

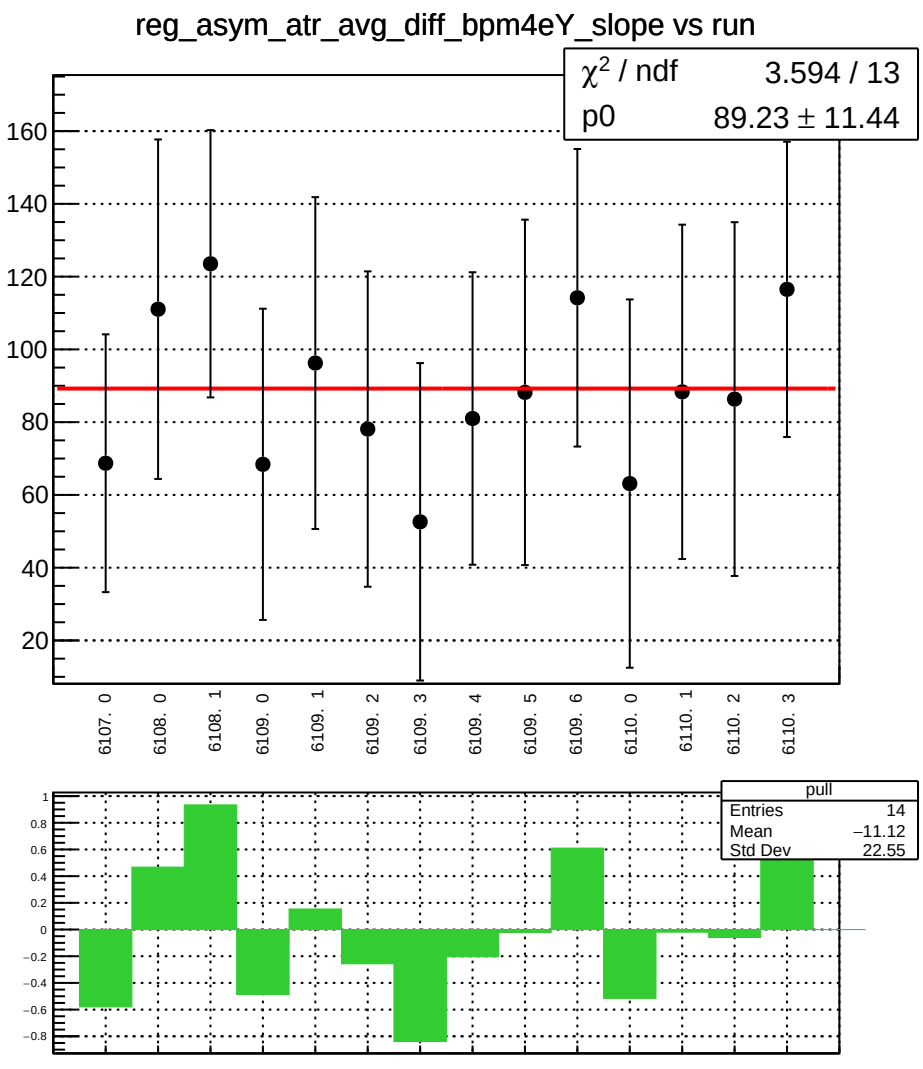

pull1D
Entries 14
Mean −0.05288
Std Dev 0.705
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

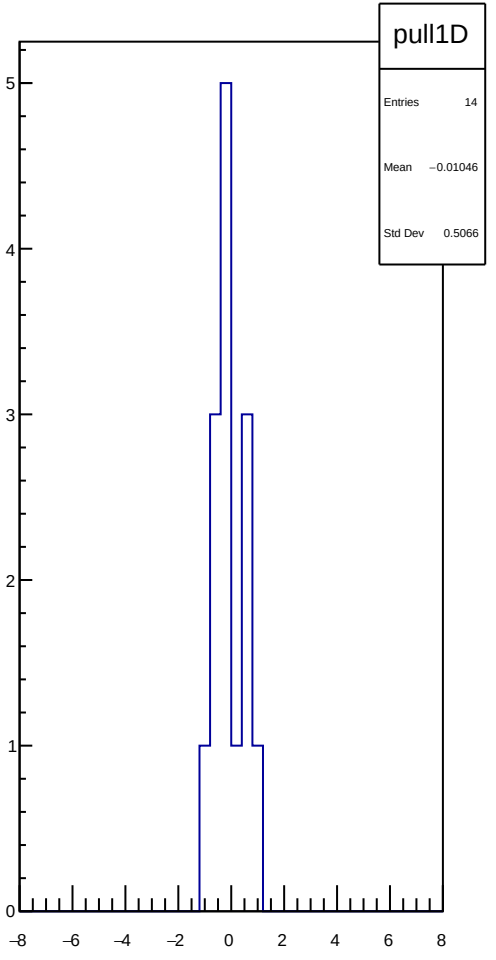

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.489 / 13
p0 −15.73 ± 10.82
60
40
20
0
−20
−40
−60
−80
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −26.3
Std Dev 36.26
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

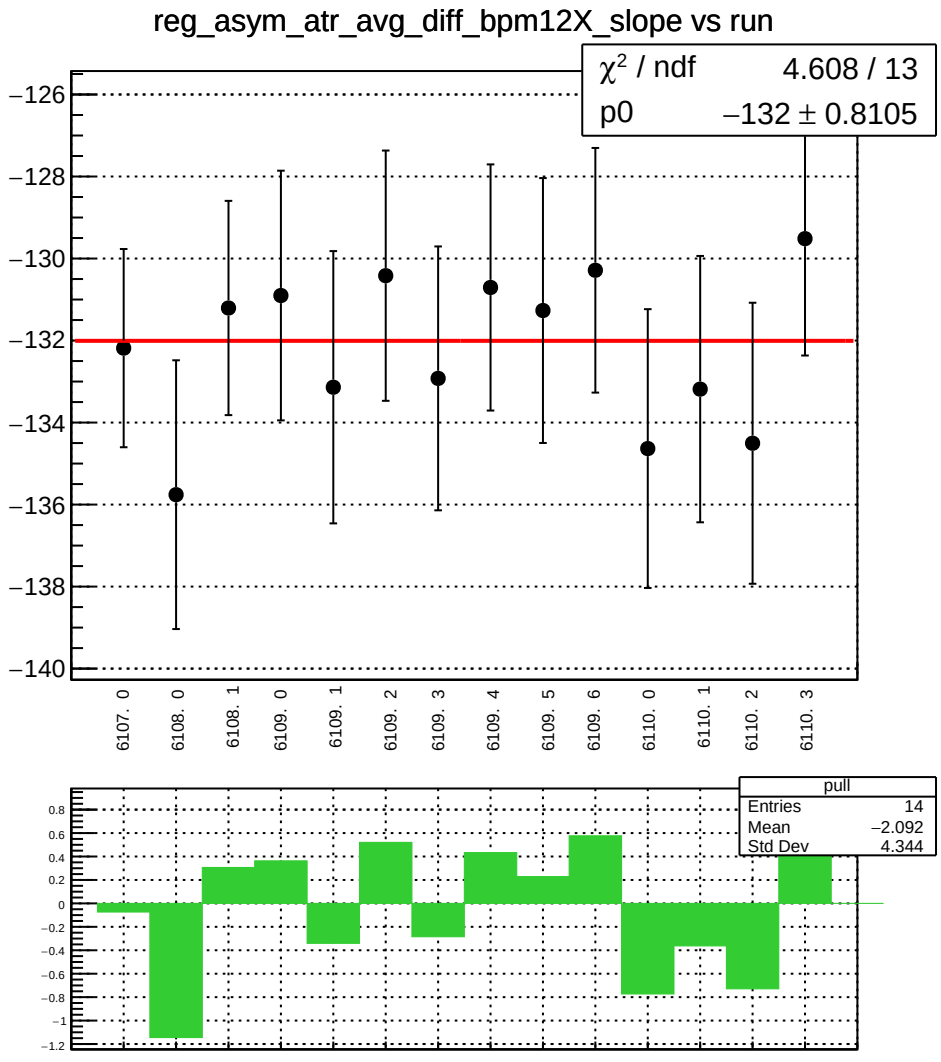

pull1D
Entries 14
Mean 0.01077
Std Dev 0.4991
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

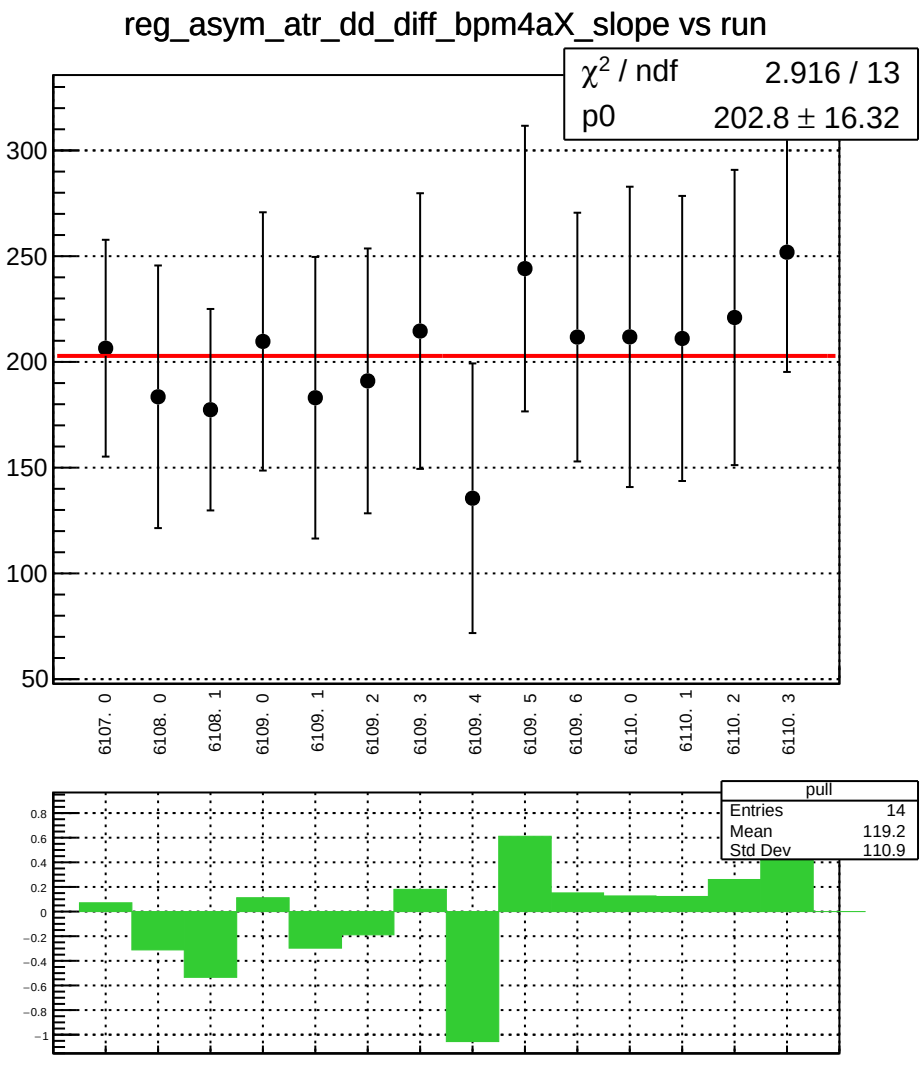

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.948 / 13
p0 372.3 ± 18.88
550
500
450
400
350
300
250
200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 10.43
Std Dev 7.471
0.5
0
−0.5
−1
−1.5

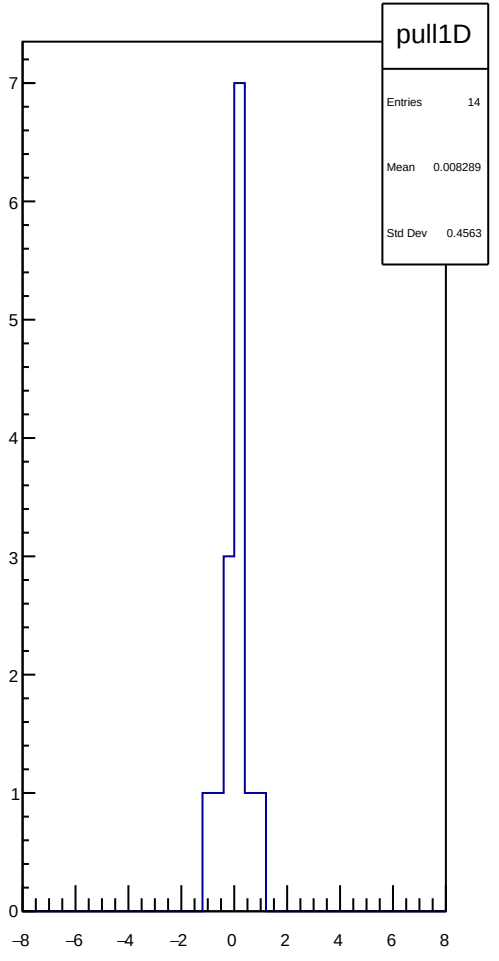

pull1D
Entries 14
Mean 0.05236
Std Dev 0.7025
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

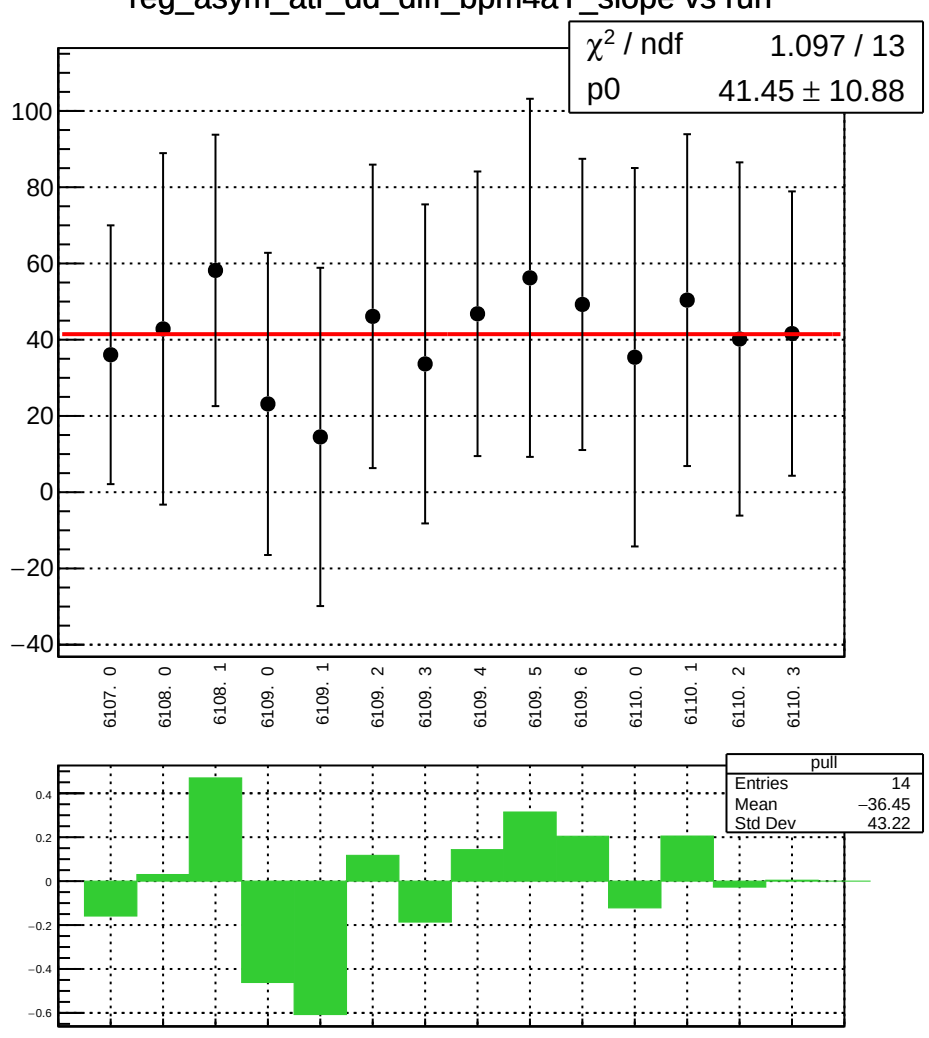

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.594 / 13
p0 89.23 ± 11.44
160
140
120
100
80
60
40
20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −11.12
Std Dev 22.55
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

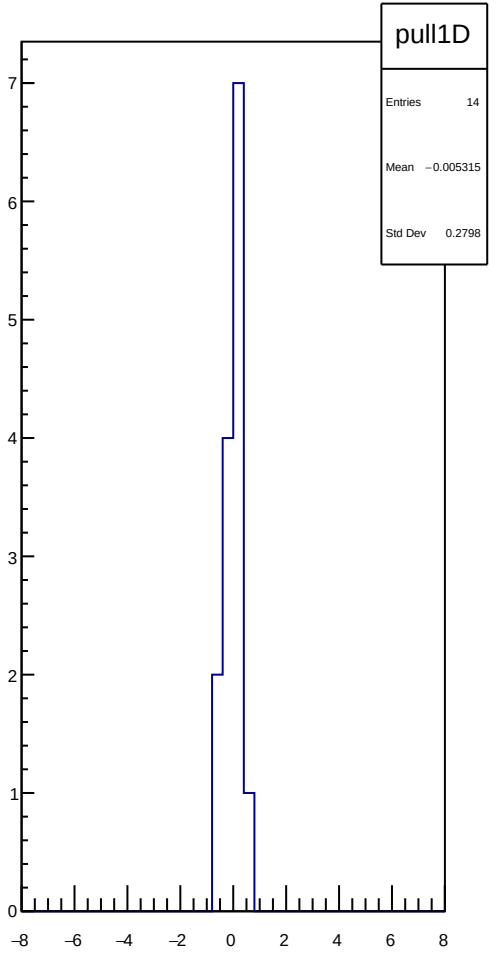

pull1D
Entries 14
Mean −0.01046
Std Dev 0.5066
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

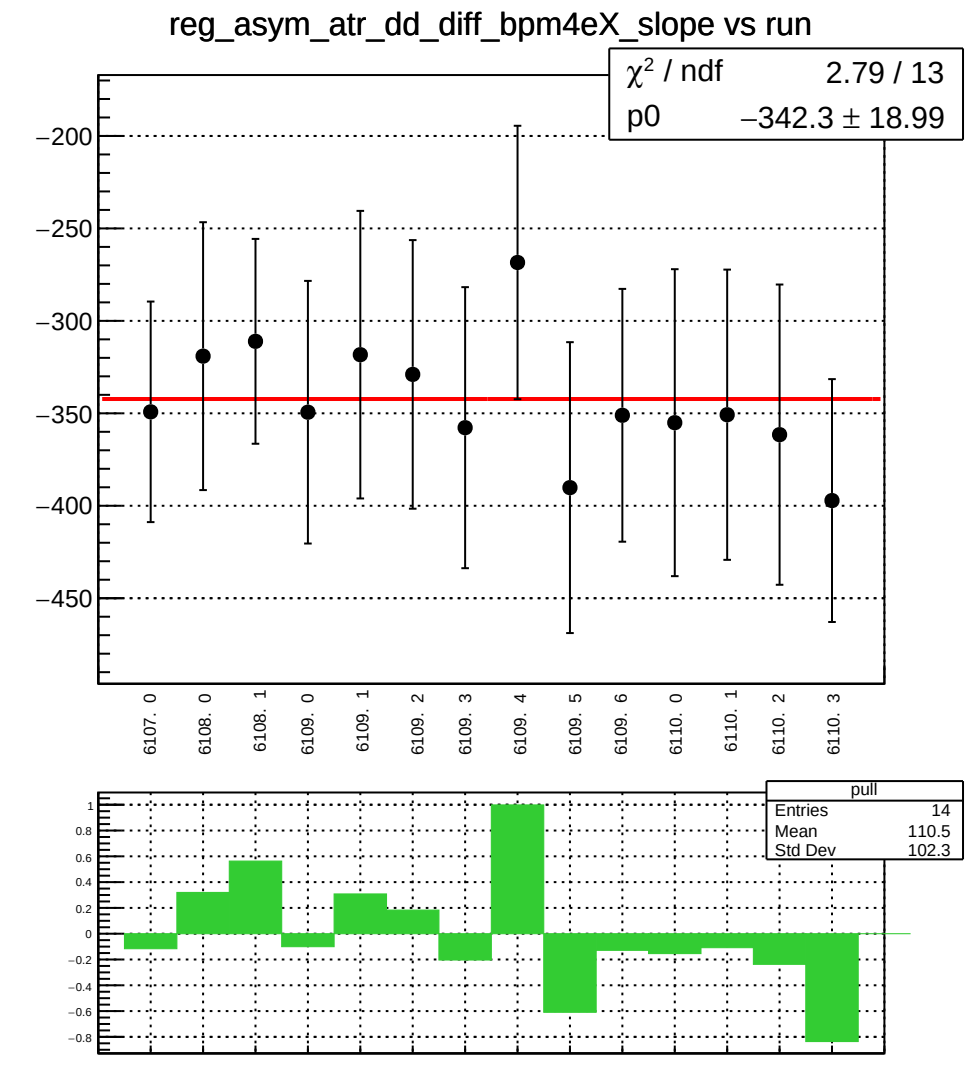

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 4.608 / 13
p0 −132 ± 0.8105
−126
−128
−130
−132
−134
−136
−138
−140
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −2.092
Std Dev 4.344
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 14
Mean −0.0289
Std Dev 0.573
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

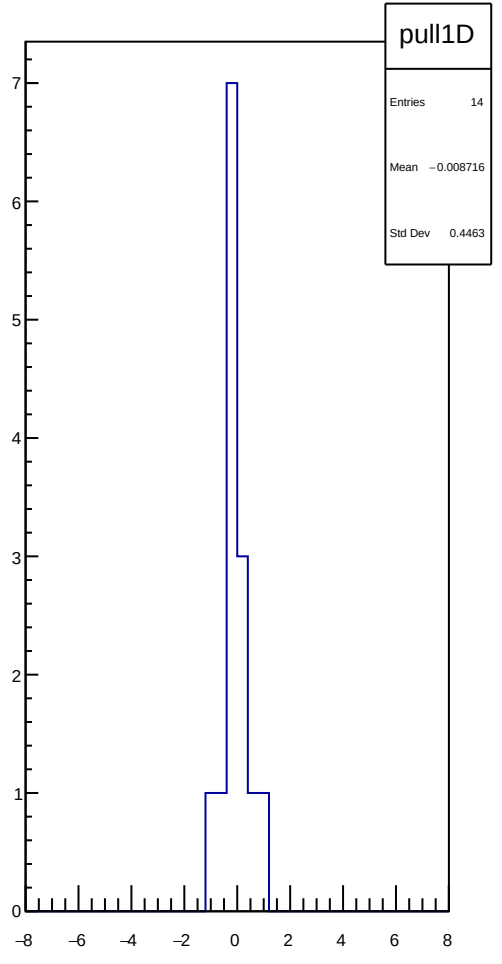

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.916 / 13
p0 202.8 ± 16.32
300
250
200
150
100
50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 119.2
Std Dev 110.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

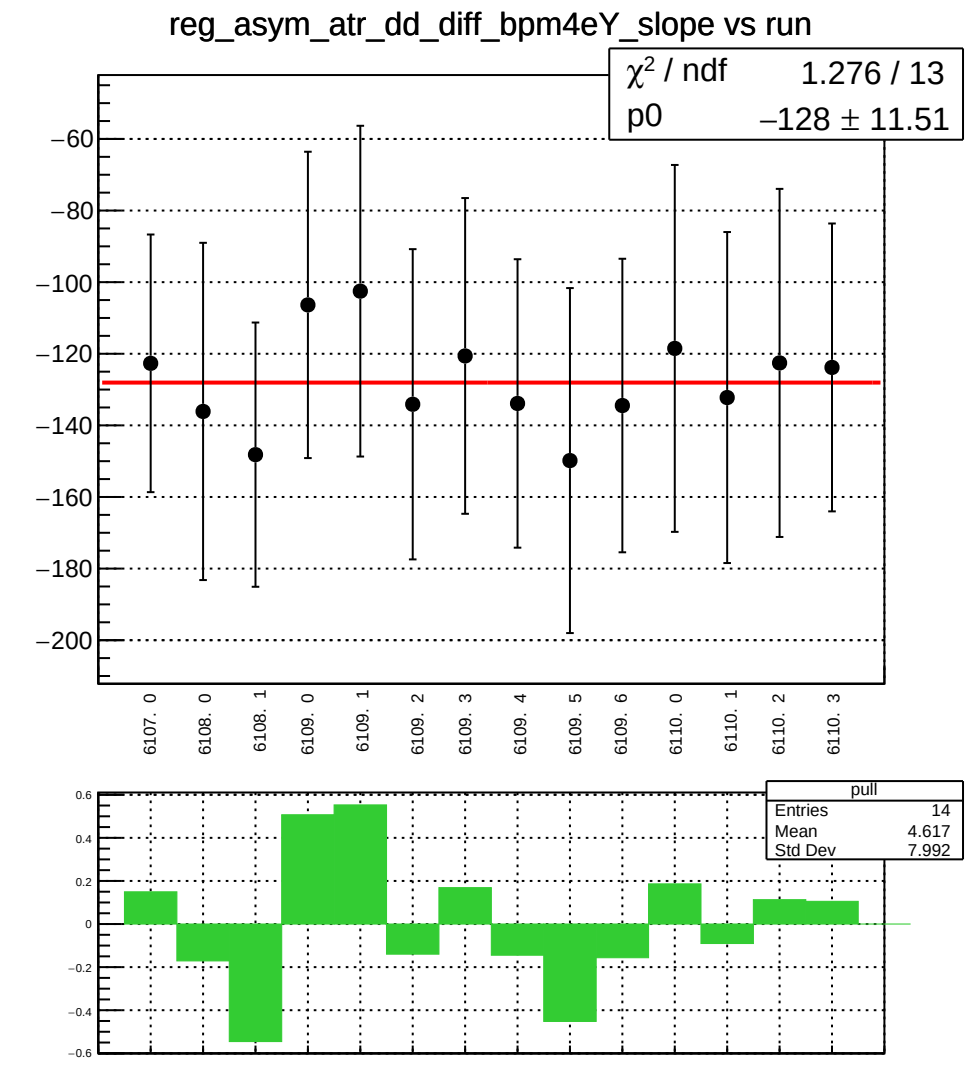

pull1D
Entries 14
Mean 0.008289
Std Dev 0.4563
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

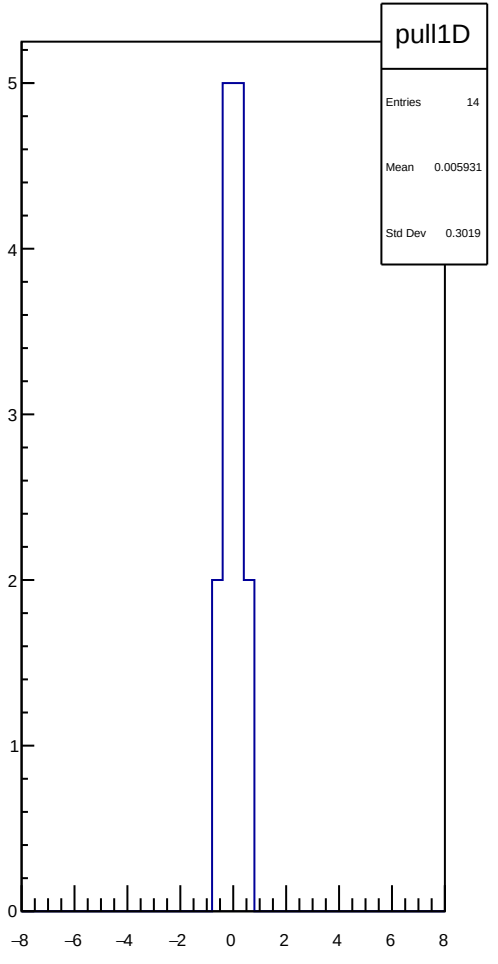

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.097 / 13
p0 41.45 ± 10.88
100
80
60
40
20
0
−20
−40
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −36.45
Std Dev 43.22
0.4
0.2
0
−0.2
−0.4
−0.6

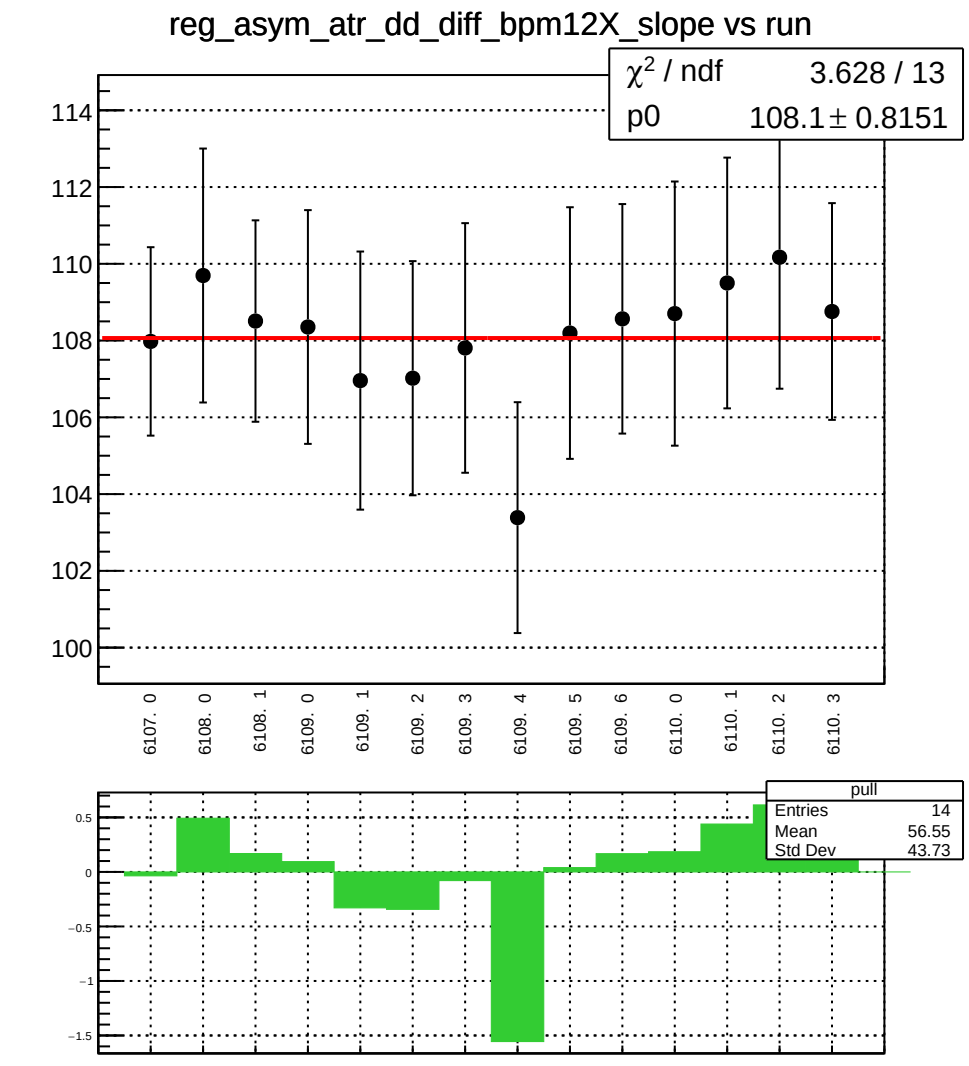

pull1D
Entries 14
Mean −0.005315
Std Dev 0.2798
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

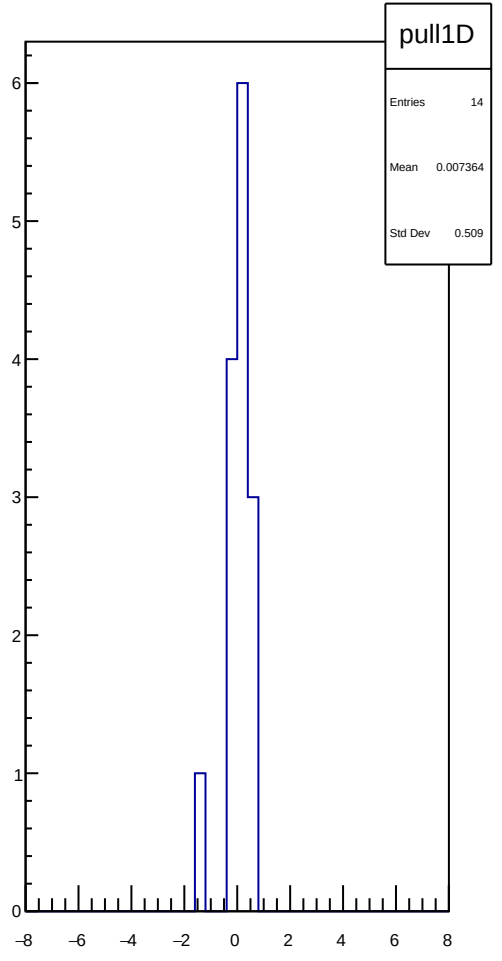

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.79 / 13
p0 −342.3 ± 18.99
−200
−250
−300
−350
−400
−450
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 110.5
Std Dev 102.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

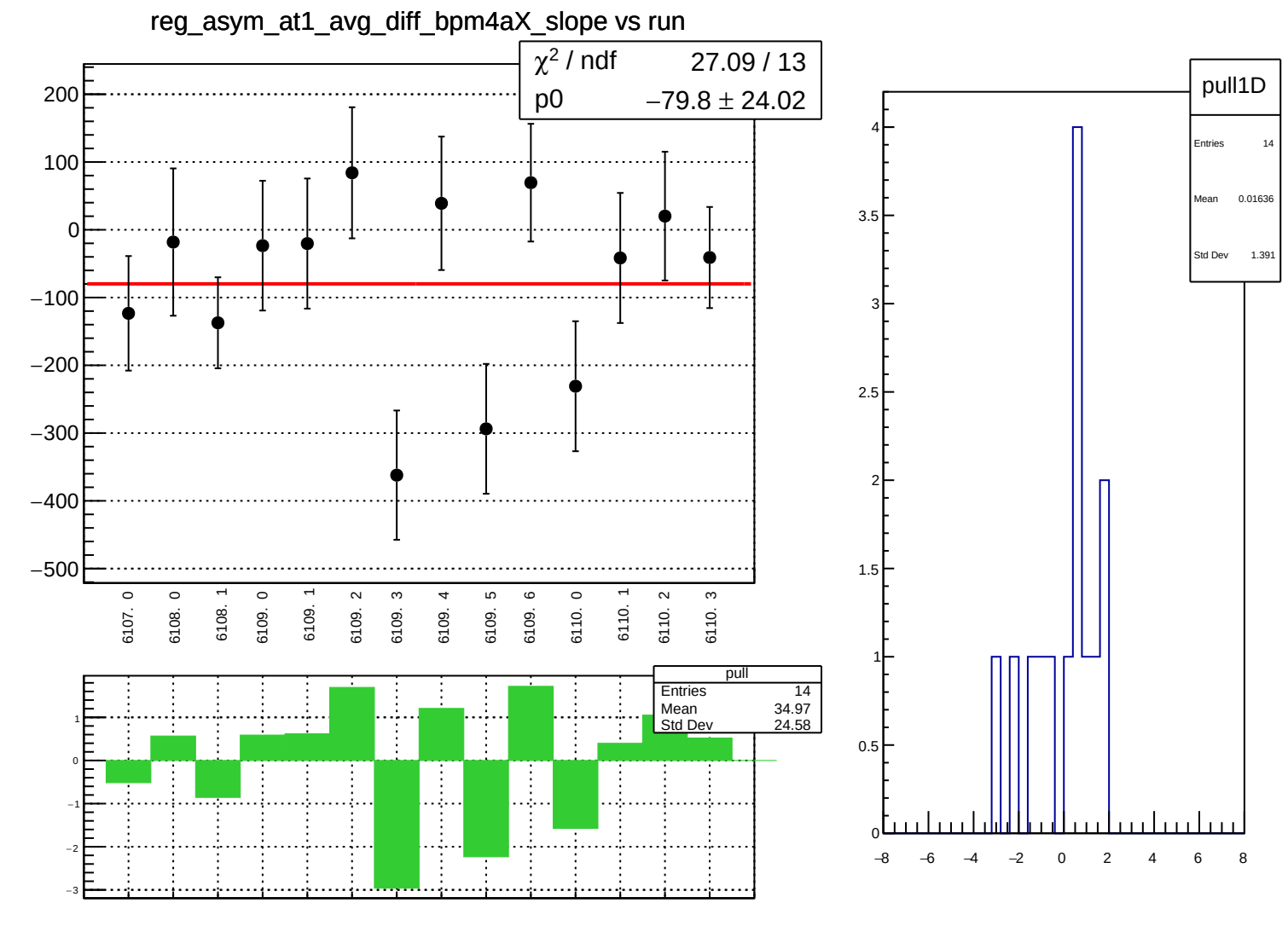

pull1D
Entries 14
Mean −0.008716
Std Dev 0.4463
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

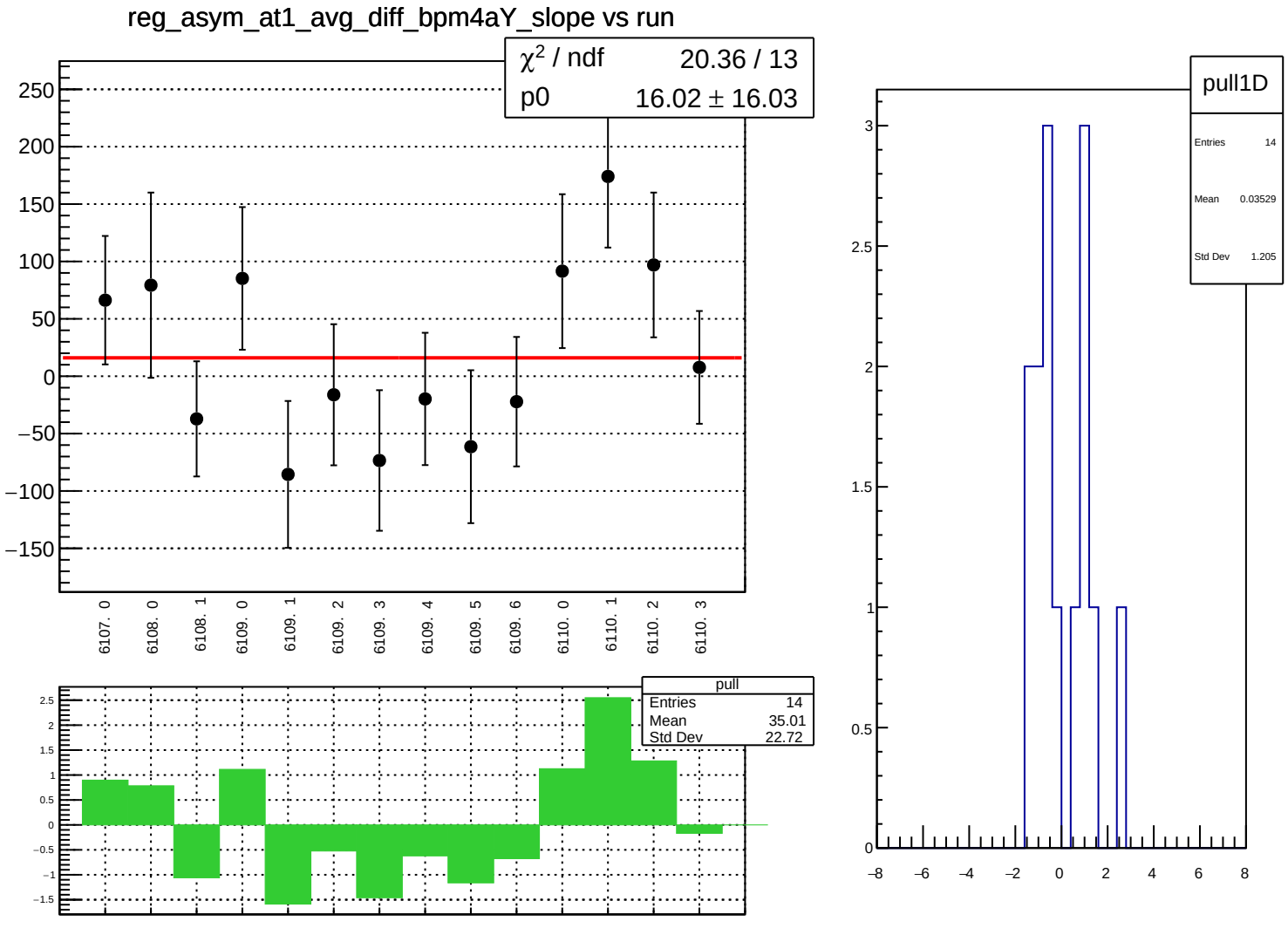

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.276 / 13
p0 −128 ± 11.51
−60
−80
−100
−120
−140
−160
−180
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 4.617
Std Dev 7.992
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

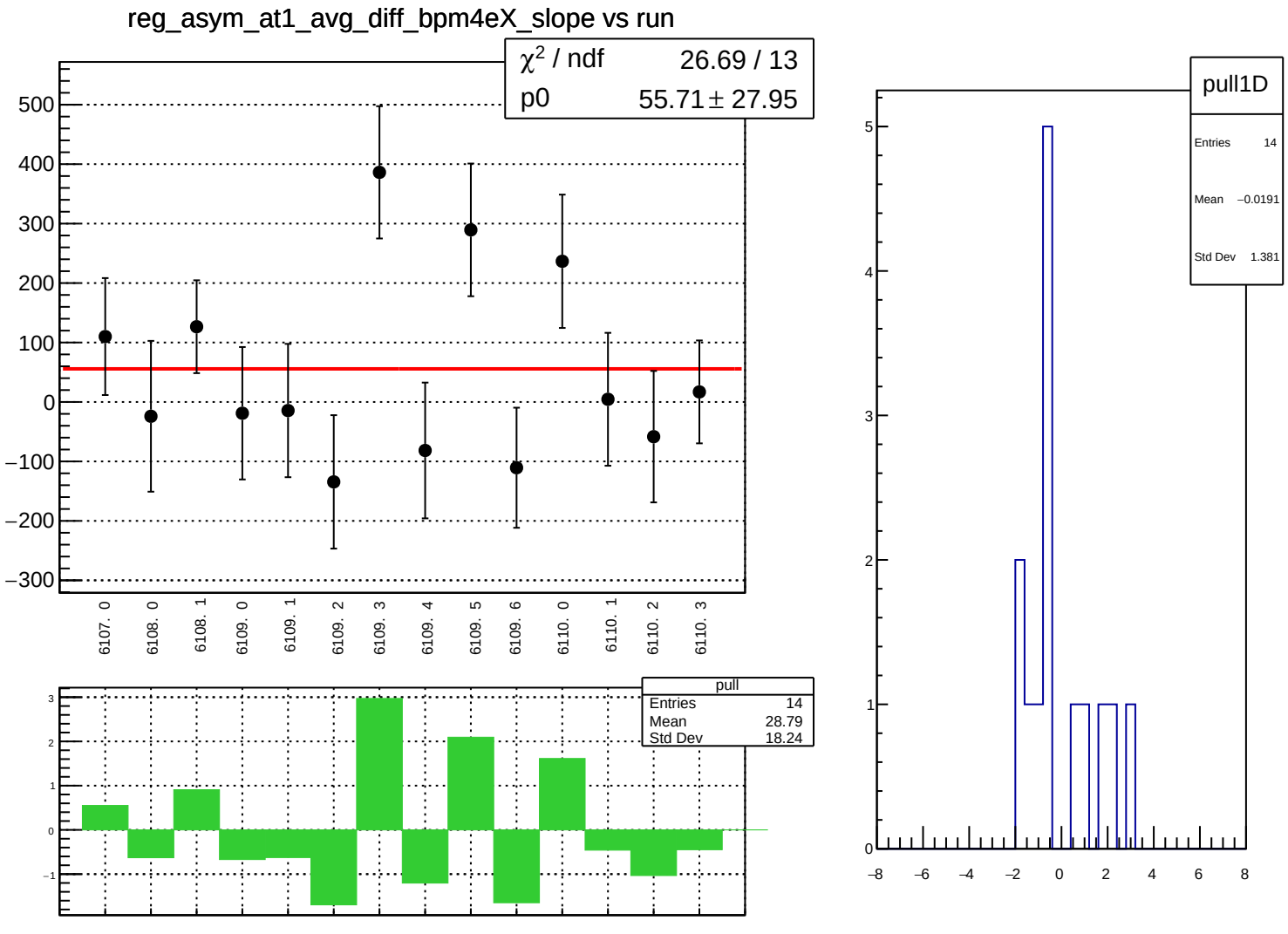

pull1D
Entries 14
Mean 0.005931
Std Dev 0.3019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

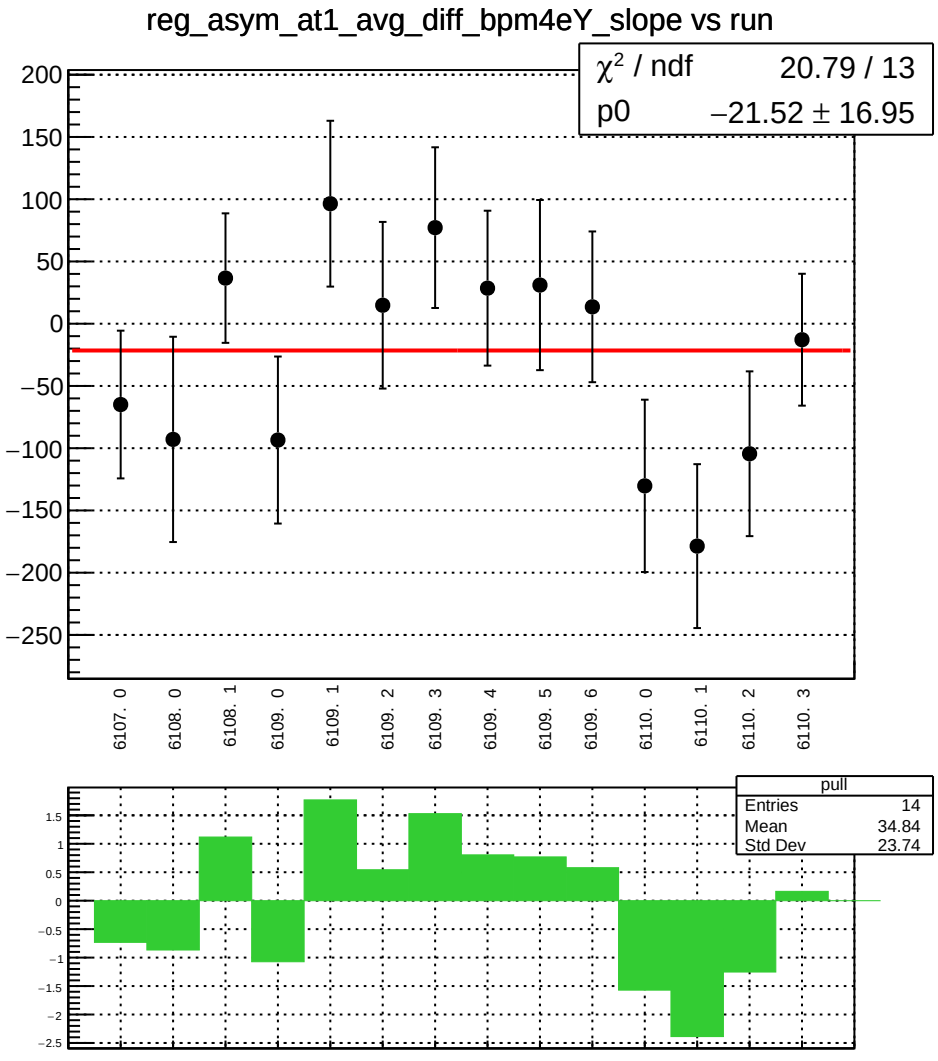

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 3.628 / 13
p0 108.1 ± 0.8151
114
112
110
108
106
104
102
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 56.55
Std Dev 43.73
0.5
0
−0.5
−1
−1.5

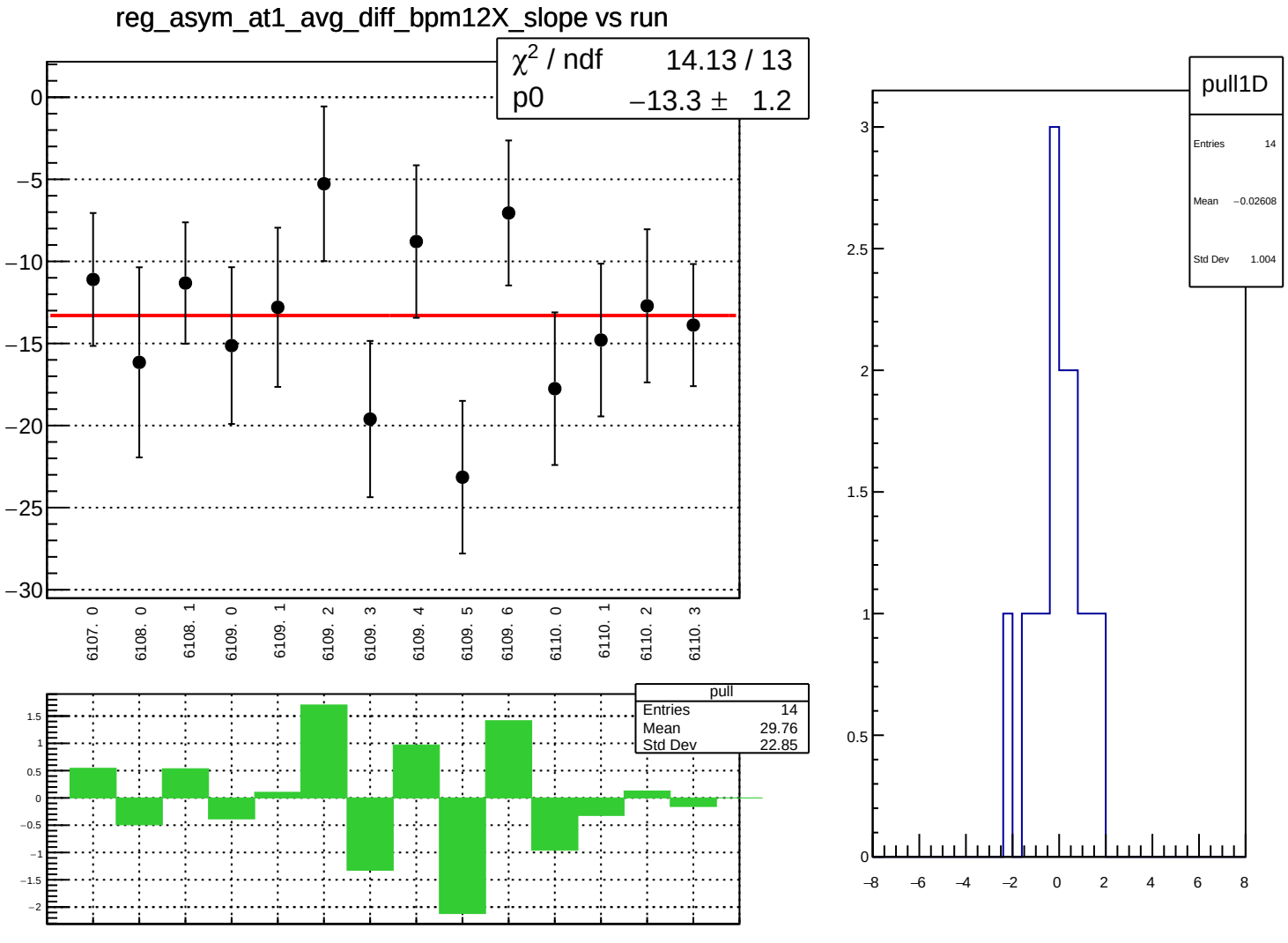

pull1D
Entries 14
Mean 0.007364
Std Dev 0.509
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

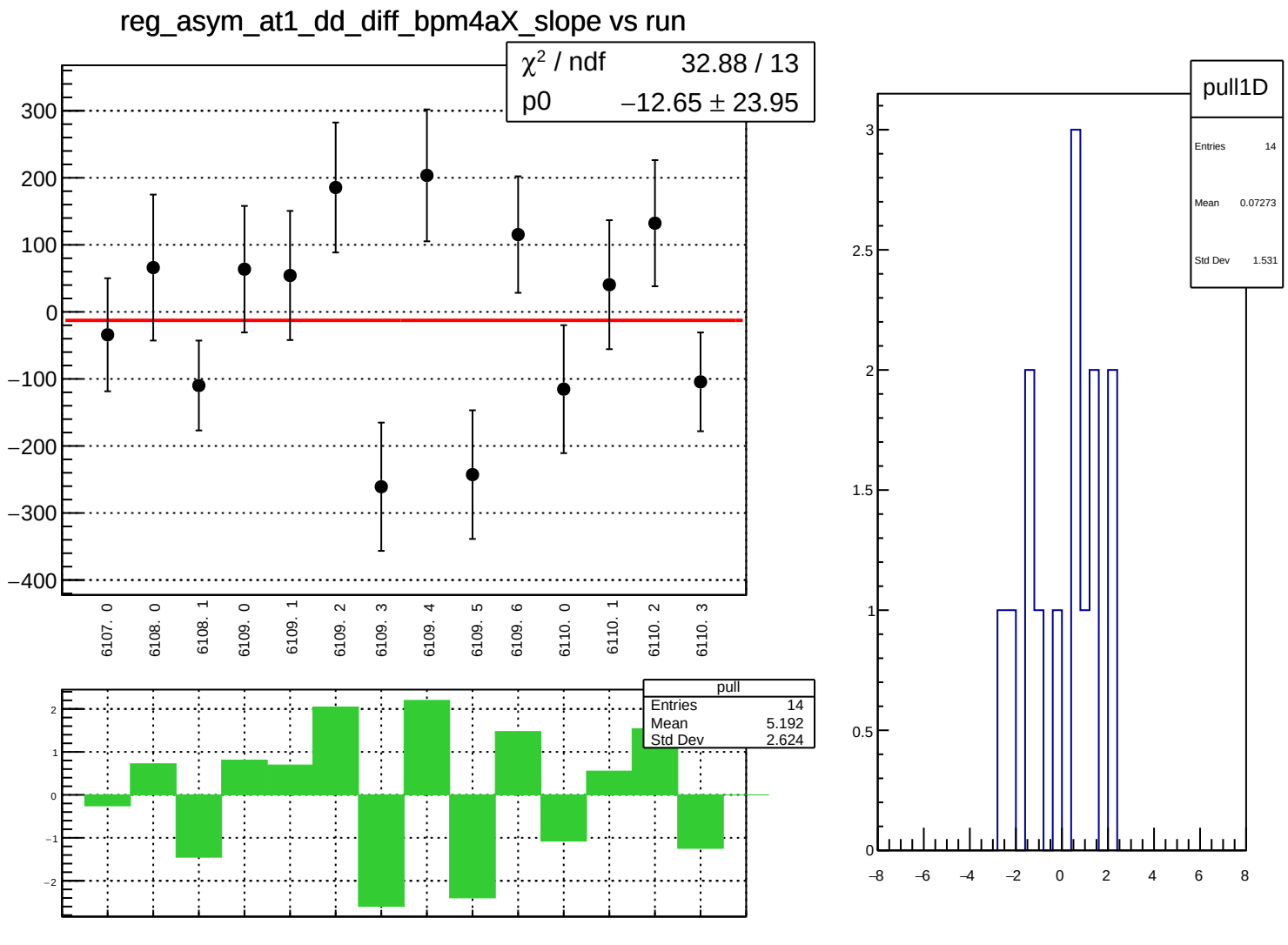

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 27.09 / 13
p0 −79.8 ± 24.02
200
100
0
−100
−200
−300
−400
−500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 34.97
Std Dev 24.58
1
0
−1
−2
−3
pull1D
Entries 14
Mean 0.01636
Std Dev 1.391
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

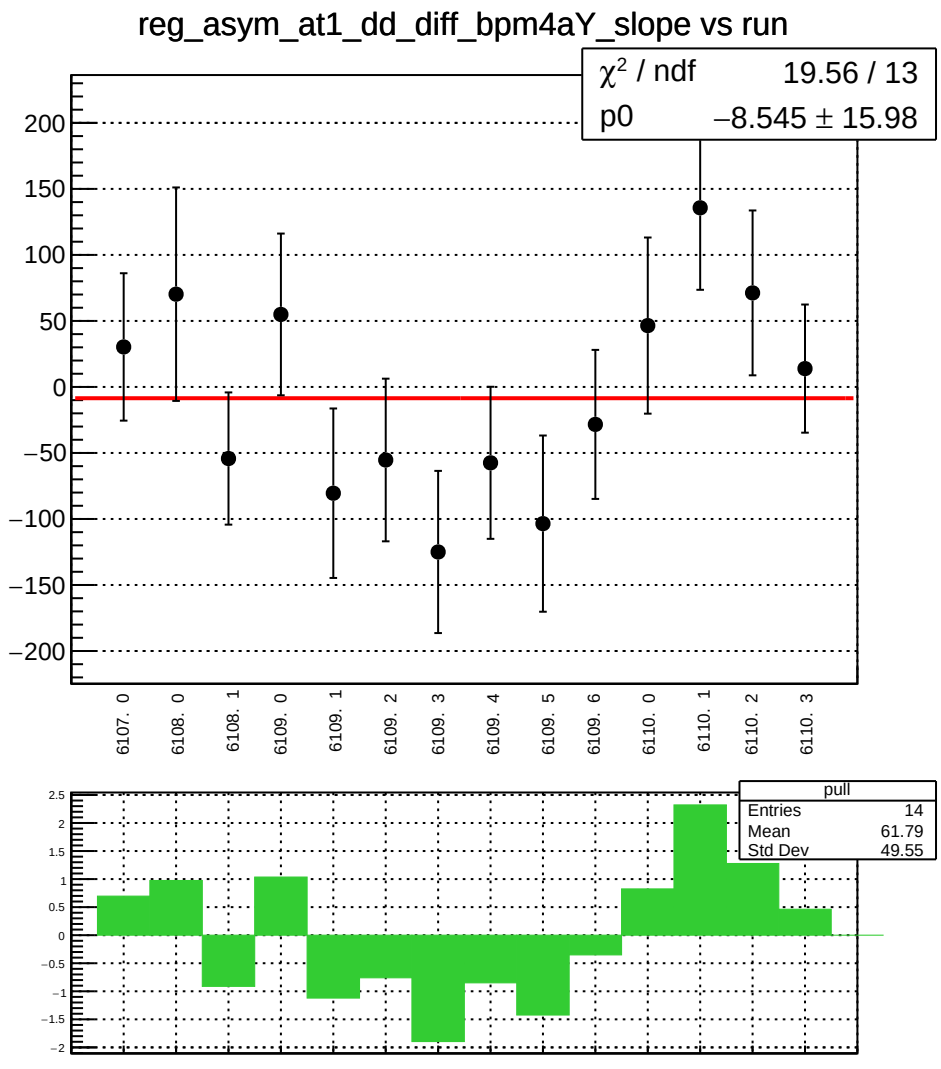

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.36 / 13
p0 16.02 ± 16.03
250
200
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 35.01
Std Dev 22.72
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.03529
Std Dev 1.205
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

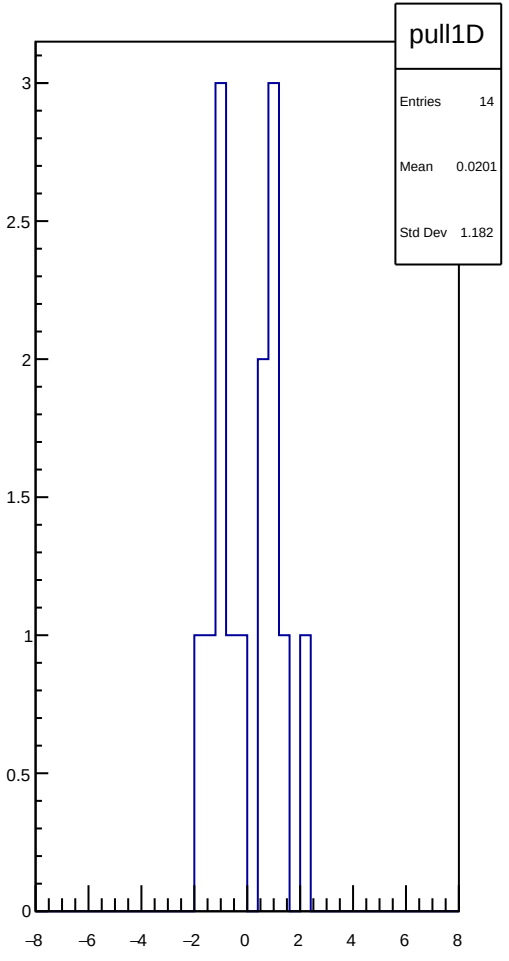

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.69 / 13
p0 55.71 ± 27.95
500
400
300
200
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.79
Std Dev 18.24
3
2
1
0
−1
pull1D
Entries 14
Mean −0.0191
Std Dev 1.381
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

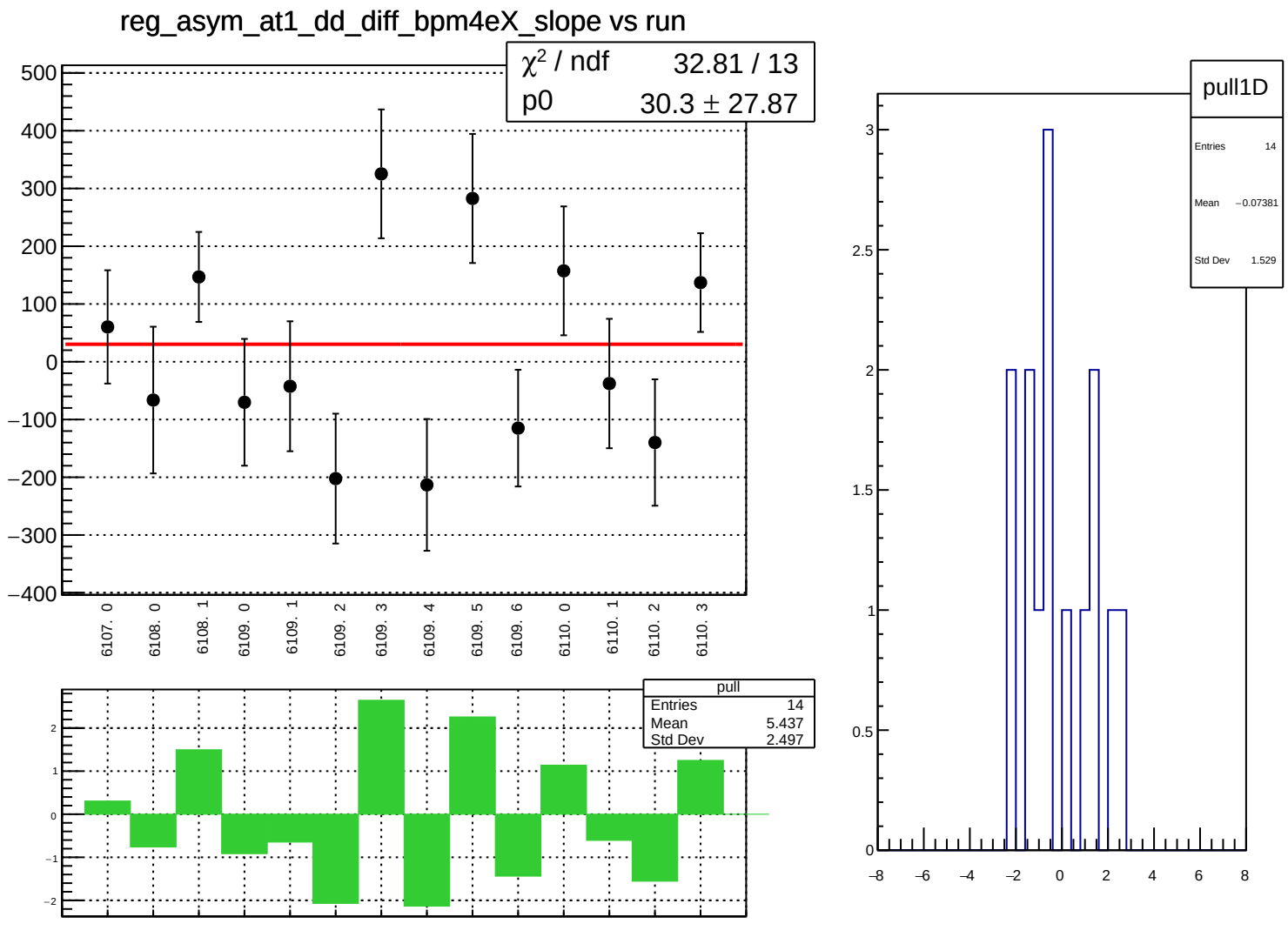

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.79 / 13
p0 −21.52 ± 16.95
200
150
100
50
0
−50
−100
−150
−200
−250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 34.84
Std Dev 23.74
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 14
Mean −0.04318
Std Dev 1.218
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

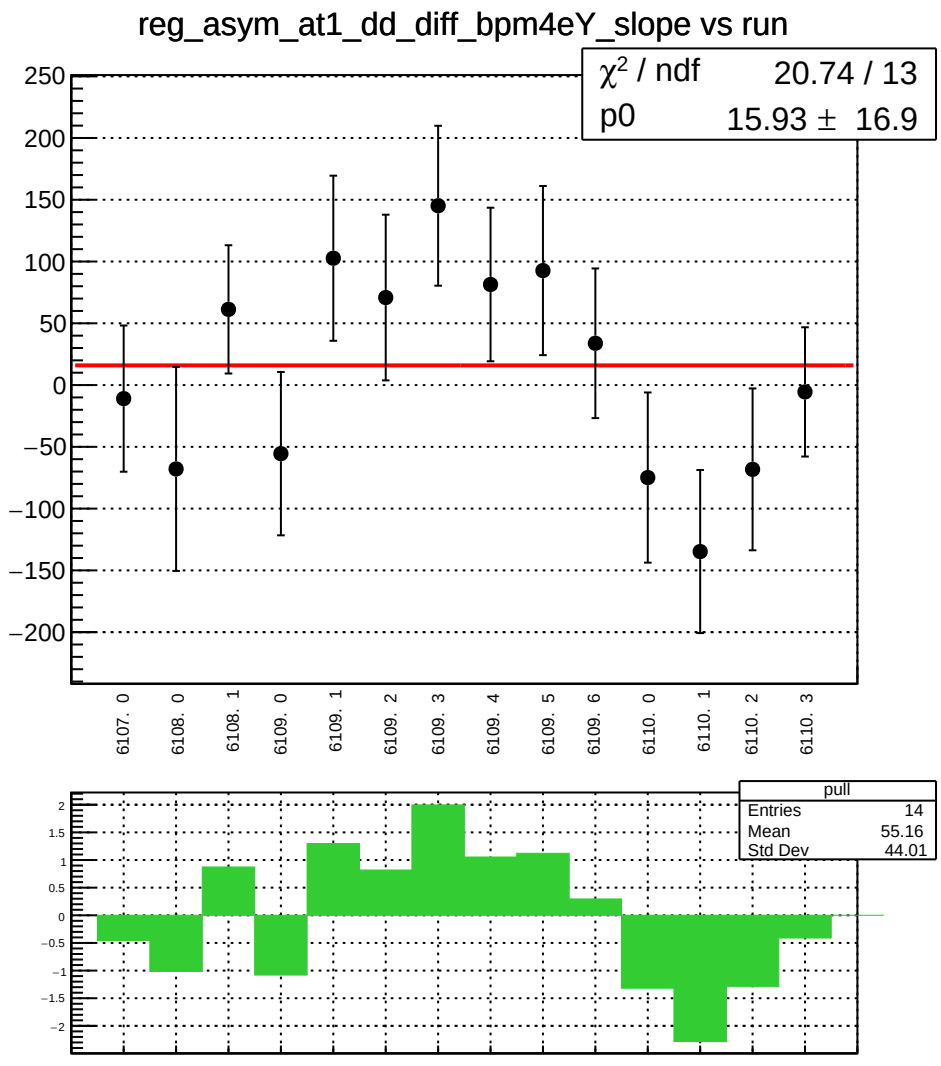

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 14.13 / 13
p0 −13.3 ± 1.2
0
−5
−10
−15
−20
−25
−30
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 29.76
Std Dev 22.85
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.02608
Std Dev 1.004
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

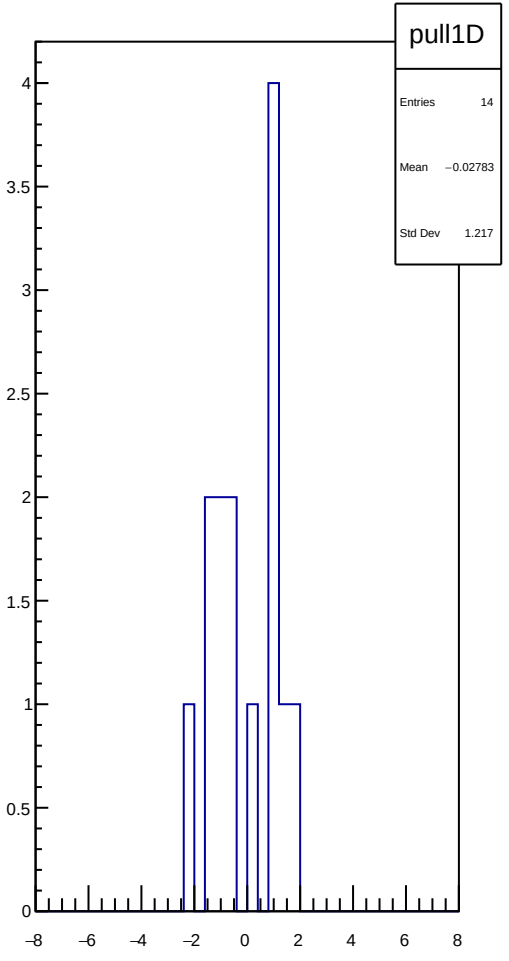

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.88 / 13
p0 −12.65 ± 23.95
300
200
100
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.192
Std Dev 2.624
2
1
0
−1
−2
pull1D
Entries 14
Mean 0.07273
Std Dev 1.531
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

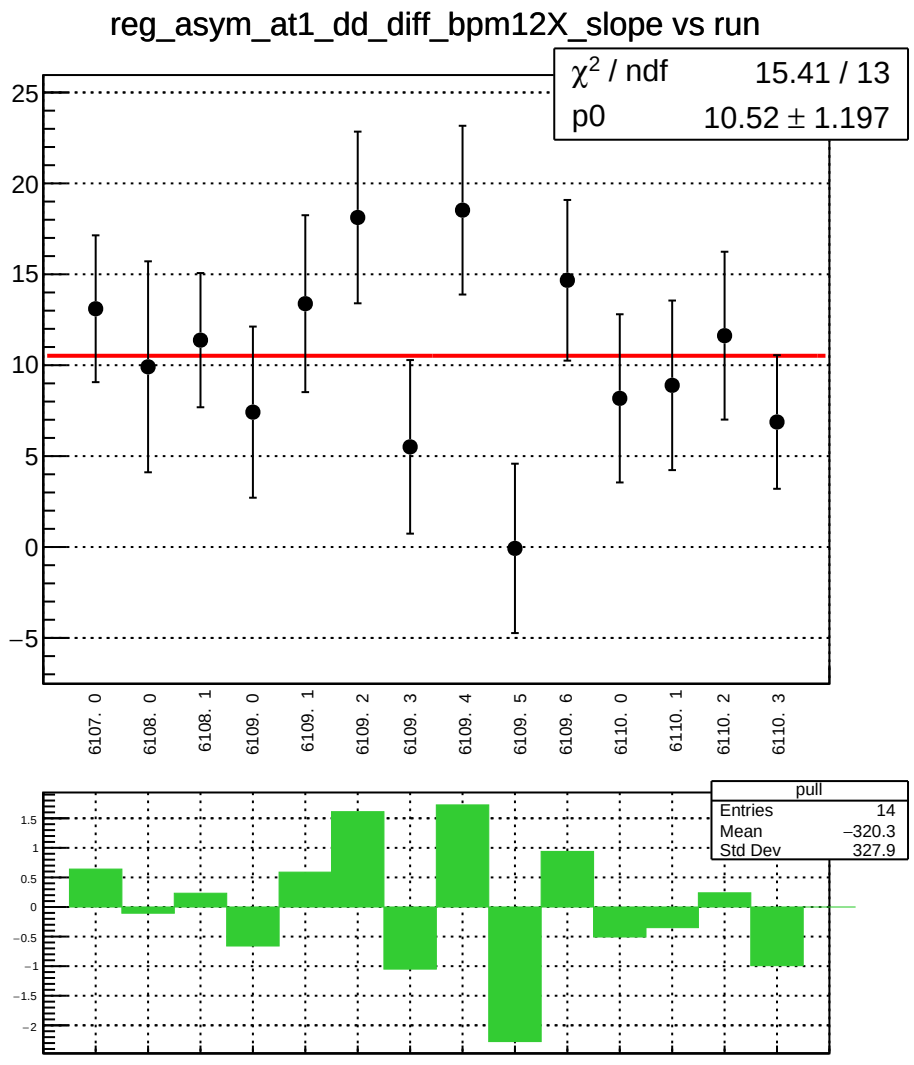

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.56 / 13
p0 −8.545 ± 15.98
200
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 61.79
Std Dev 49.55
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

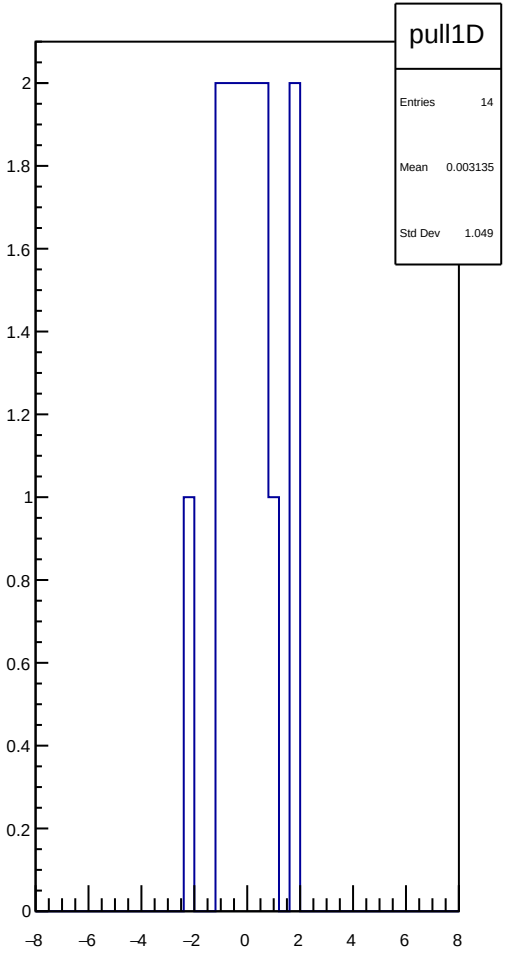

pull1D
Entries 14
Mean 0.0201
Std Dev 1.182
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

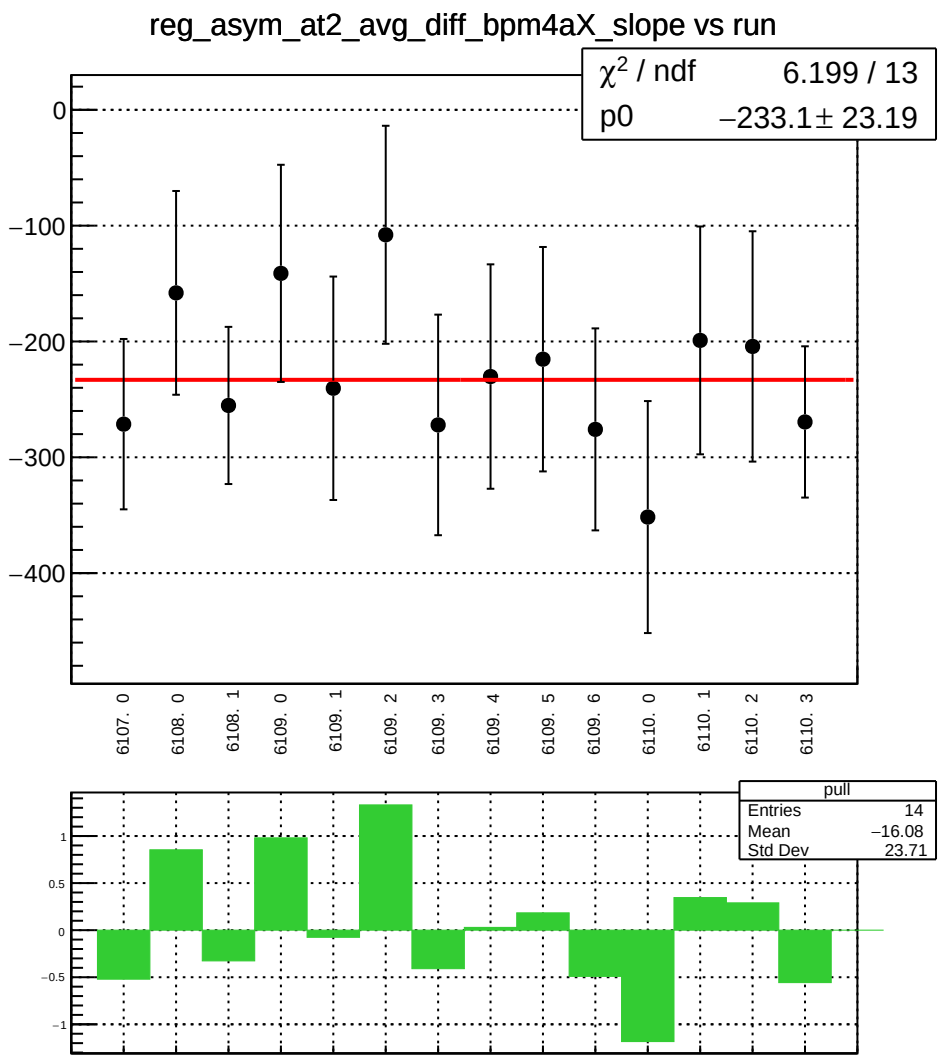

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.81 / 13
p0 30.3 ± 27.87
500
400
300
200
100
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.437
Std Dev 2.497
2
1
0
−1
−2
pull1D
Entries 14
Mean −0.07381
Std Dev 1.529
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

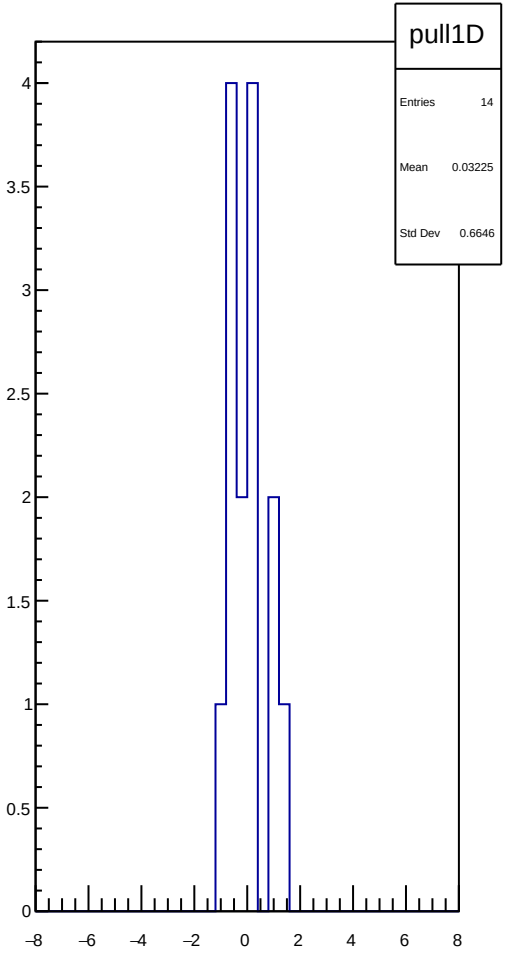

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.74 / 13
p0 15.93 ± 16.9
250
200
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 55.16
Std Dev 44.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

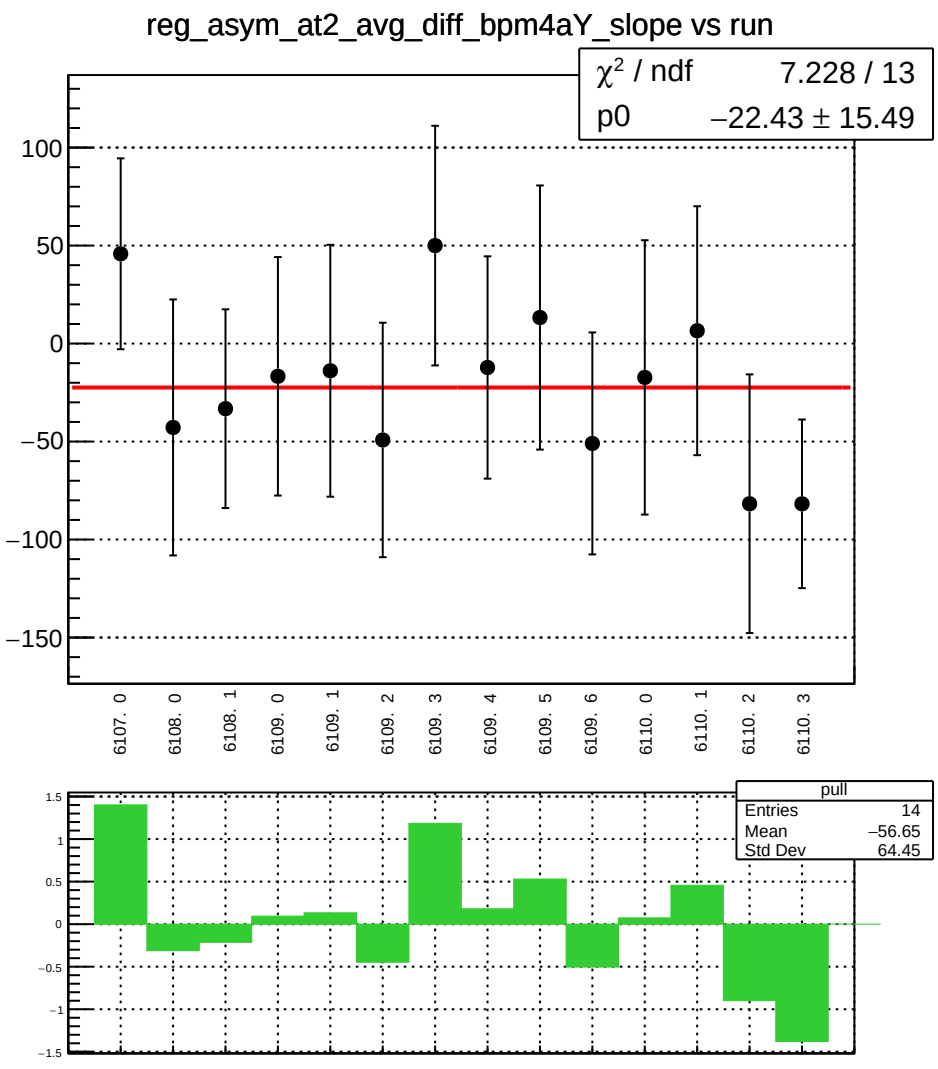

pull1D
Entries 14
Mean −0.02783
Std Dev 1.217
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

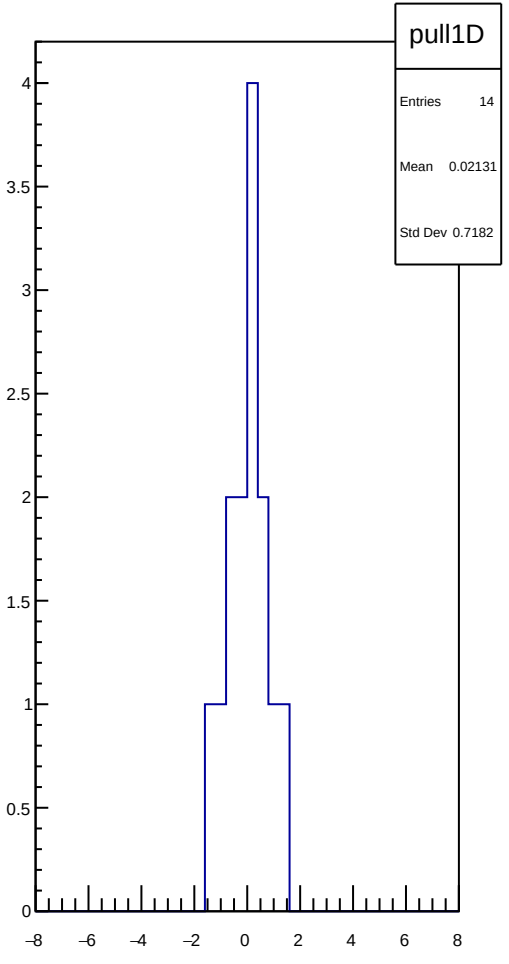

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 15.41 / 13
p0 10.52 ± 1.197
25
20
15
10
5
0
−5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −320.3
Std Dev 327.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

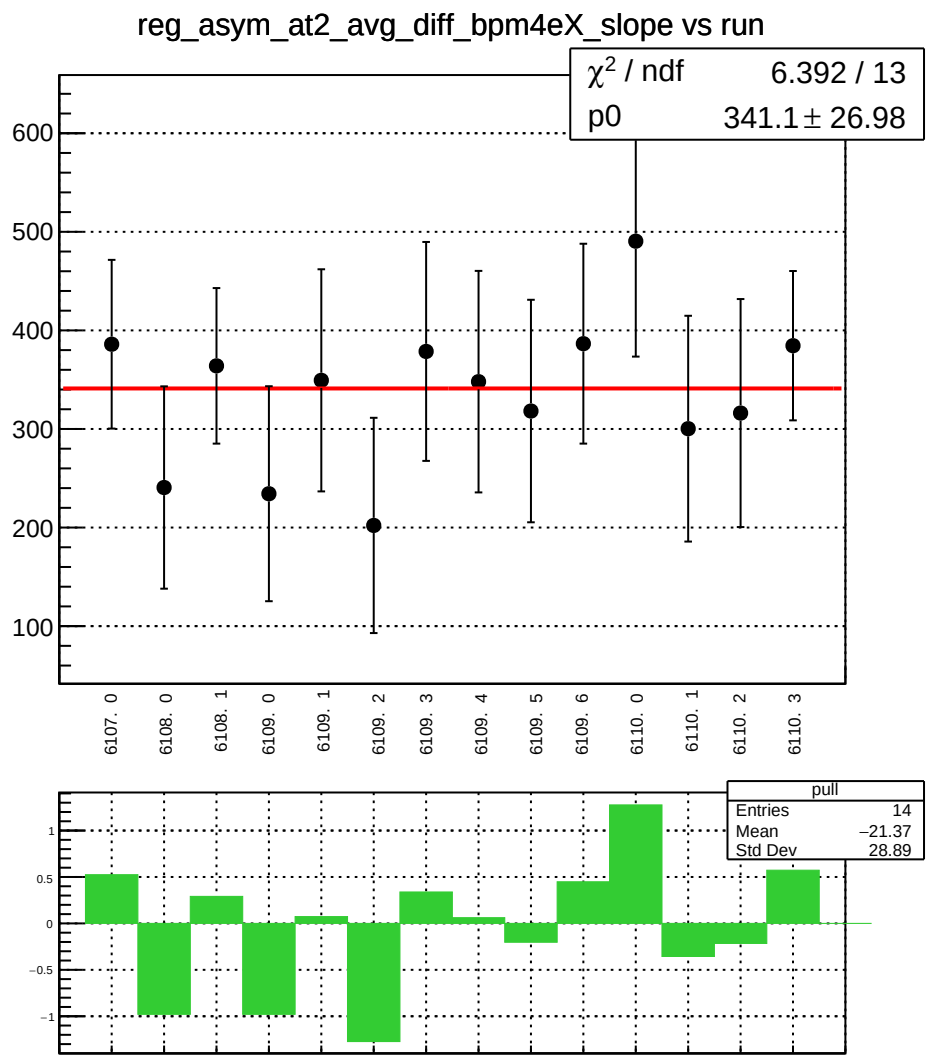

pull1D
Entries 14
Mean 0.003135
Std Dev 1.049
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

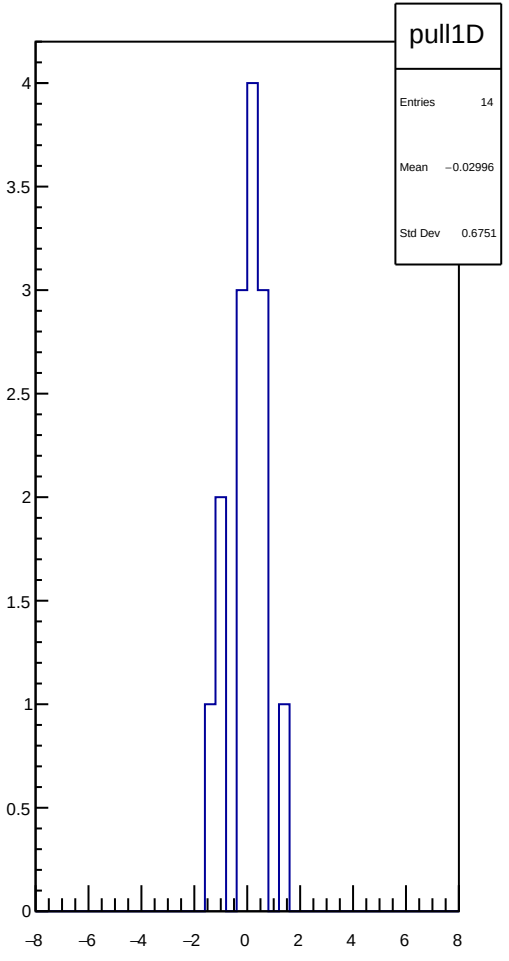

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.199 / 13
p0 −233.1± 23.19
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −16.08
Std Dev 23.71
1
0.5
0
−0.5
−1

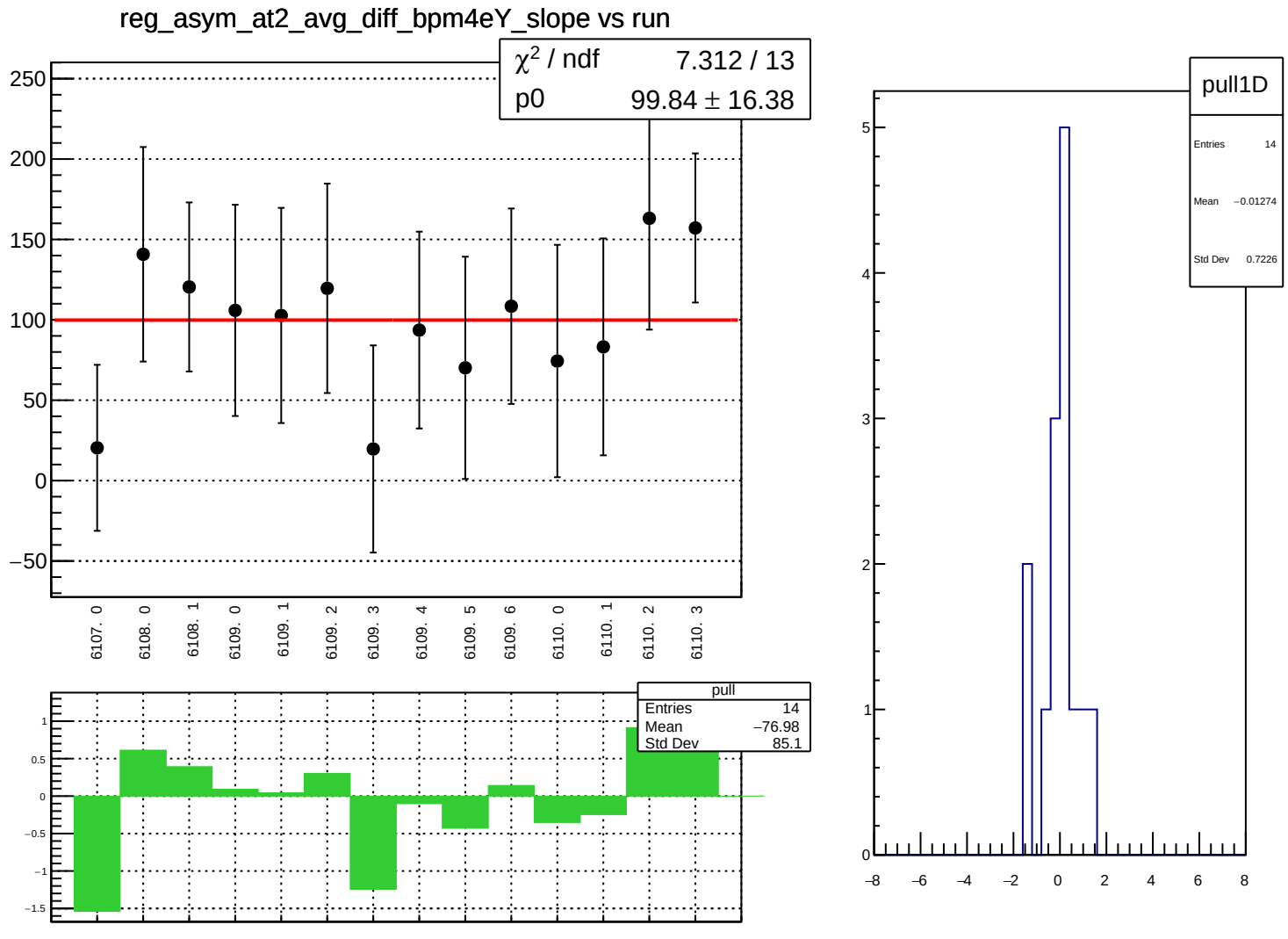

pull1D
Entries 14
Mean 0.03225
Std Dev 0.6646
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

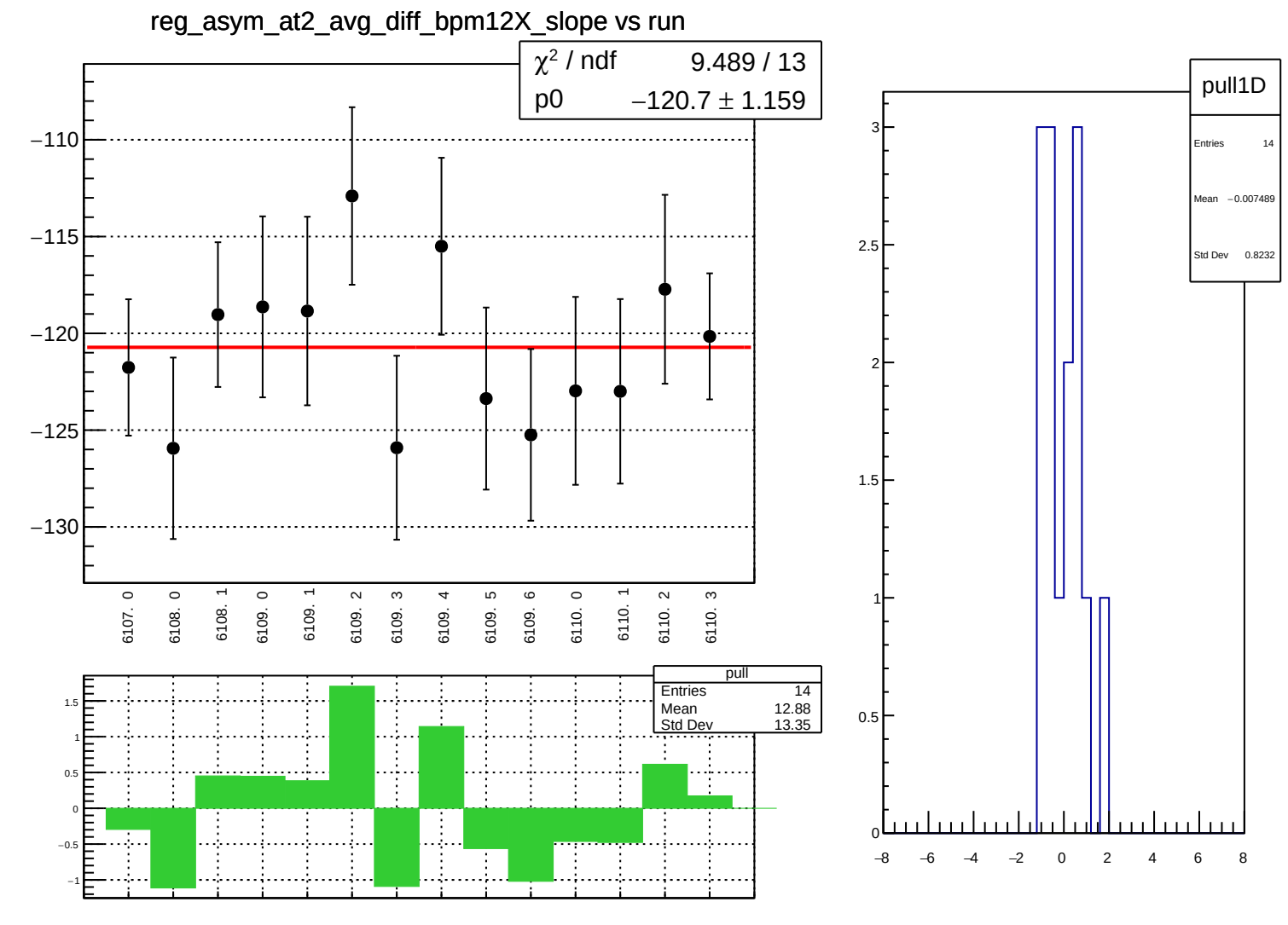

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.228 / 13
p0 −22.43 ± 15.49
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −56.65
Std Dev 64.45
1.5
1
0.5
0
−0.5
−1
−1.5

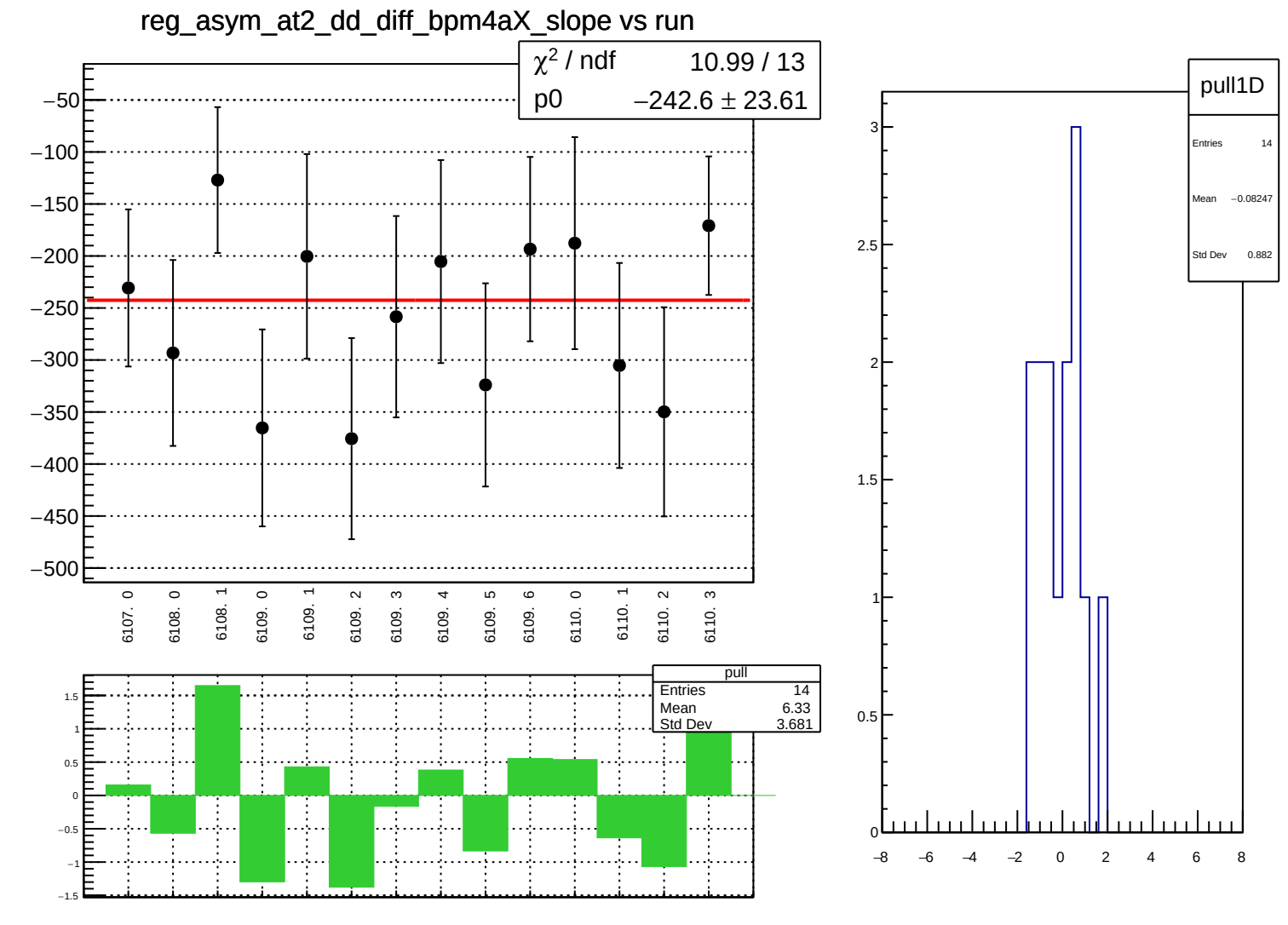

pull1D
Entries 14
Mean 0.02131
Std Dev 0.7182
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

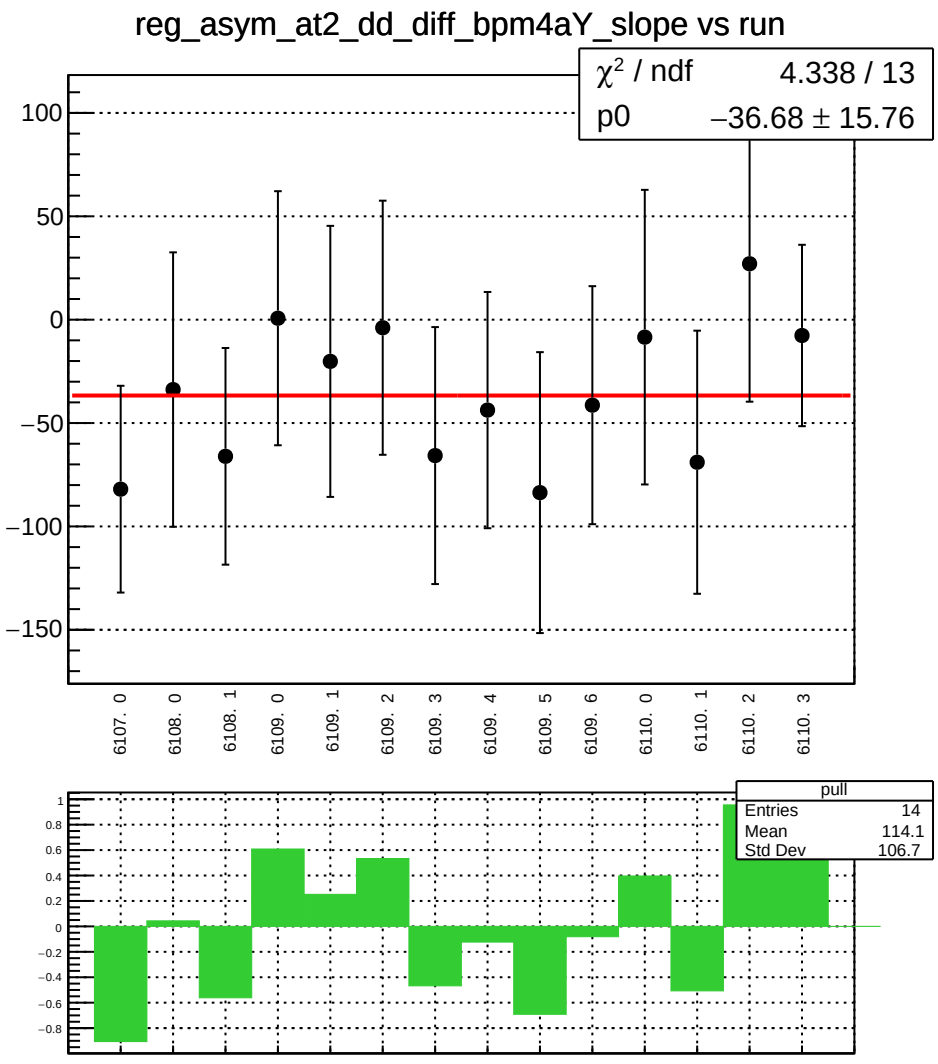

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.392 / 13
p0 341.1 ± 26.98
600
500
400
300
200
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −21.37
Std Dev 28.89
1
0.5
0
−0.5
−1

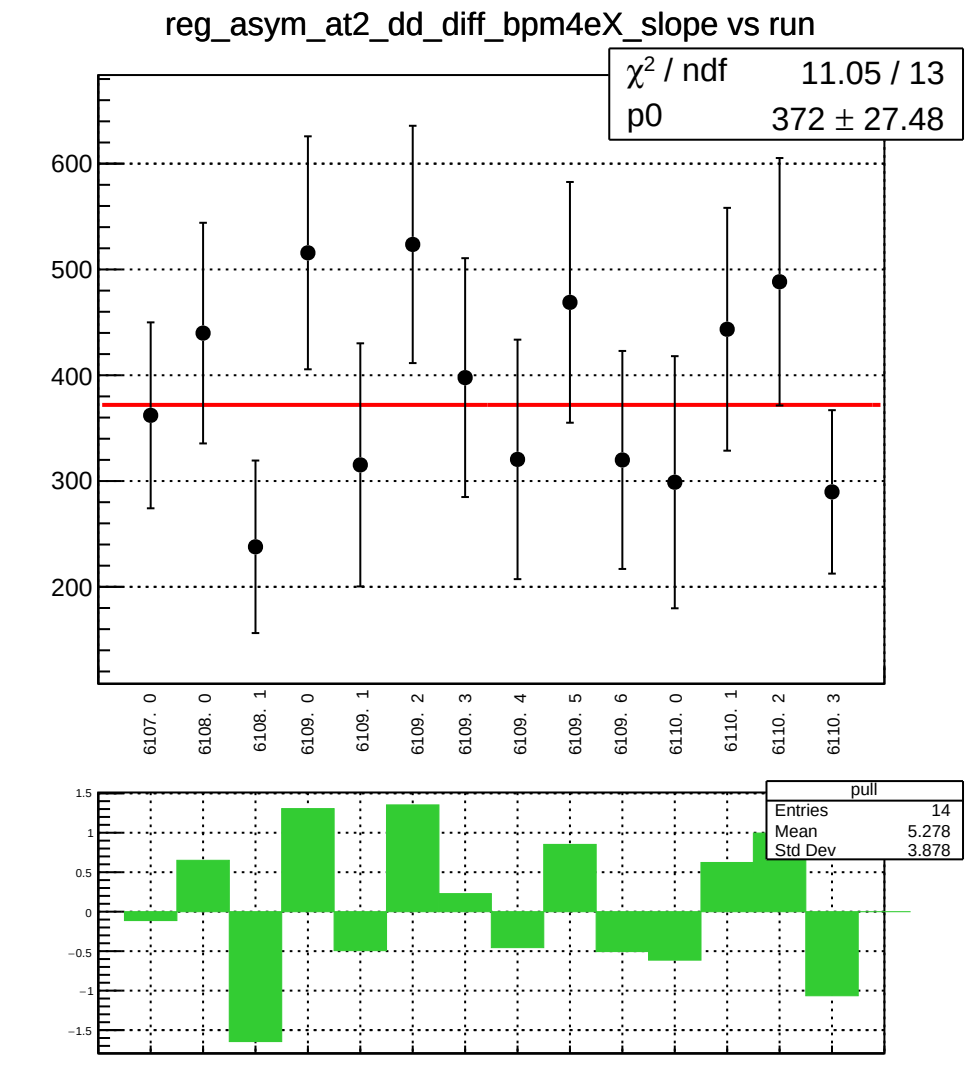

pull1D
Entries 14
Mean −0.02996
Std Dev 0.6751
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

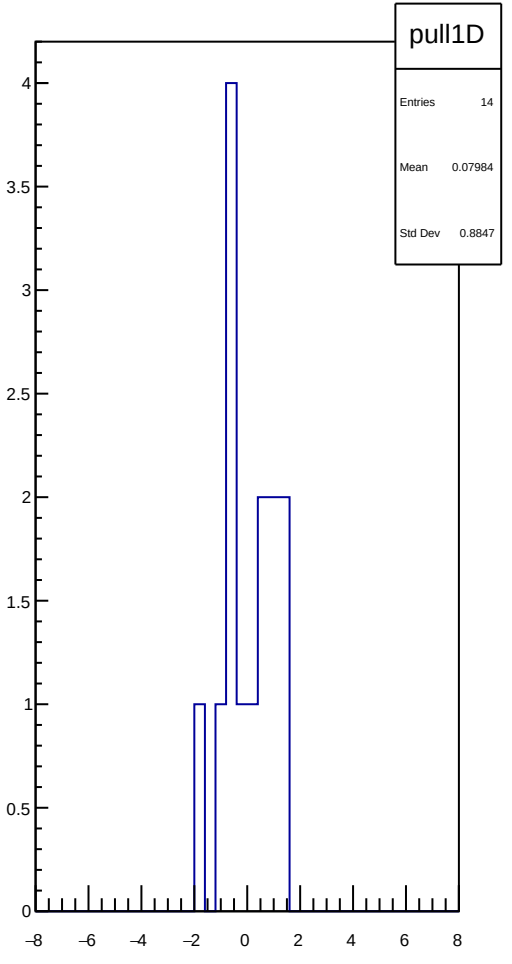

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.312 / 13
p0 99.84 ± 16.38
250
200
150
100
50
0
−50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −76.98
Std Dev 85.1
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.01274
Std Dev 0.7226
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

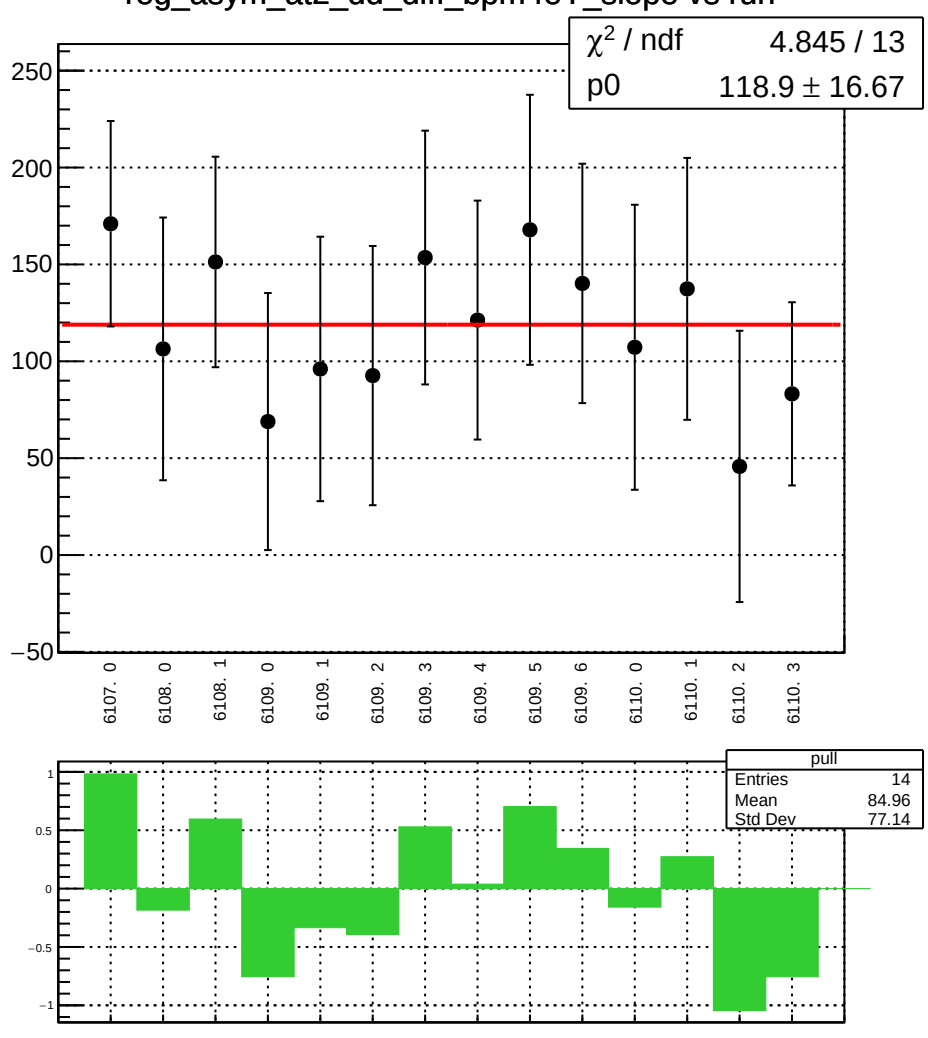

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 9.489 / 13
p0 −120.7 ± 1.159
−110
−115
−120
−125
−130
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 12.88
Std Dev 13.35
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean −0.007489
Std Dev 0.8232
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

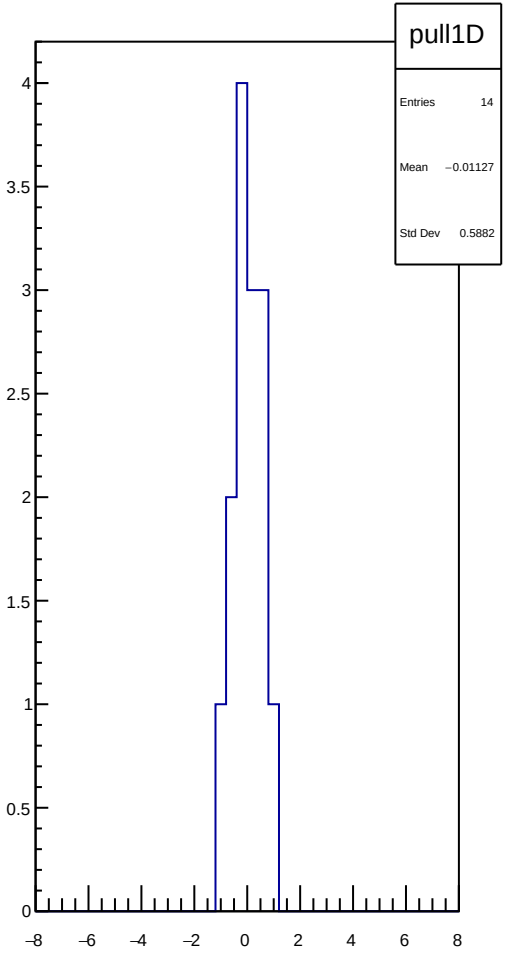

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.99 / 13
p0 −242.6 ± 23.61
−50
−100
−150
−200
−250
−300
−350
−400
−450
−500
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 6.33
Std Dev 3.681
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.08247
Std Dev 0.882
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

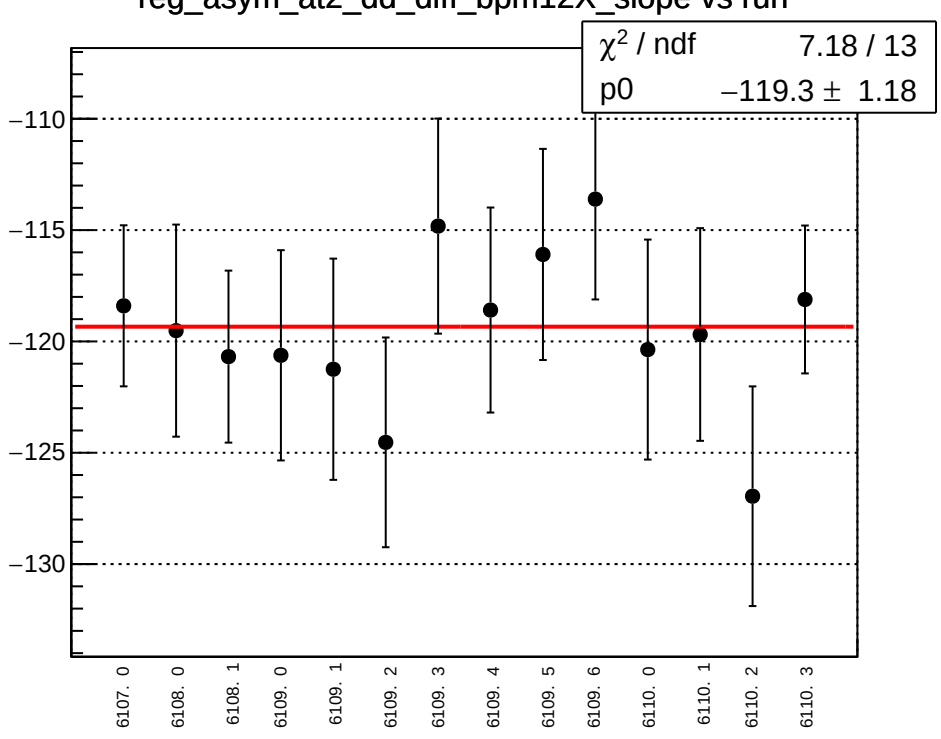

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.338 / 13
p0 −36.68 ± 15.76
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 114.1
Std Dev 106.7
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 14
Mean 0.008141
Std Dev 0.5566
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

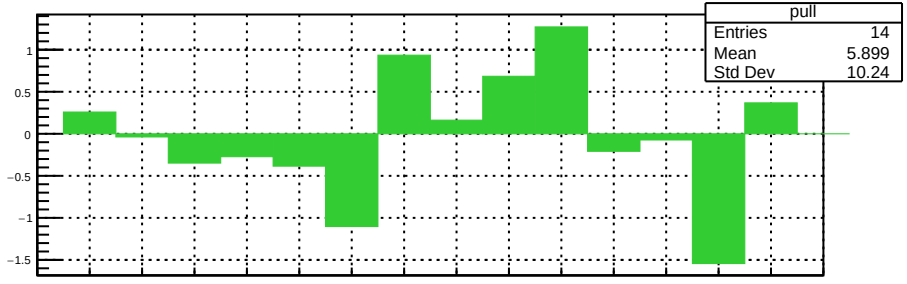

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.05 / 13
p0 372 ± 27.48
600
500
400
300
200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.278
Std Dev 3.878
1.5
1
0.5
0
−0.5
−1
−1.5

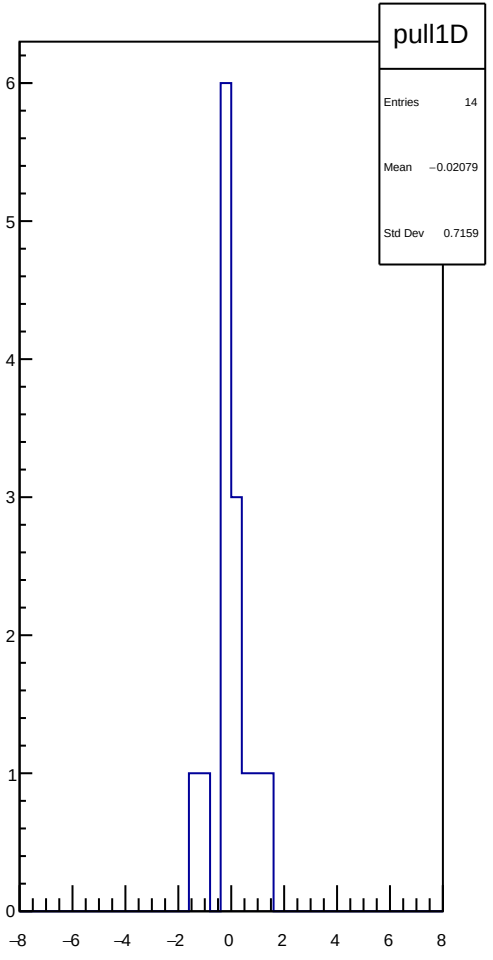

pull1D
Entries 14
Mean 0.07984
Std Dev 0.8847
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

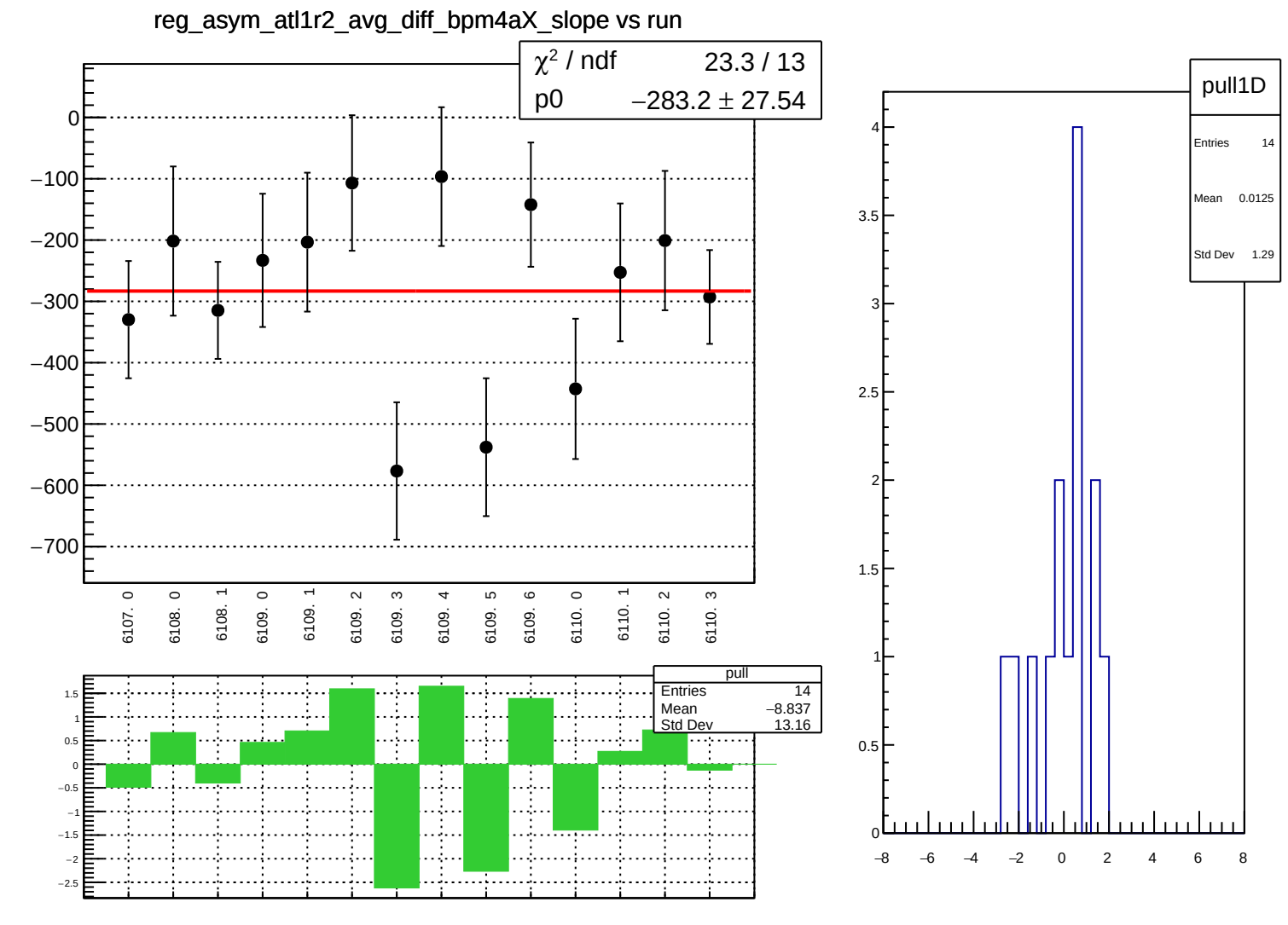

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.845 / 13
p0 118.9 ± 16.67
250
200
150
100
50
0
−50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 84.96
Std Dev 77.14
1
0.5
0
−0.5
−1

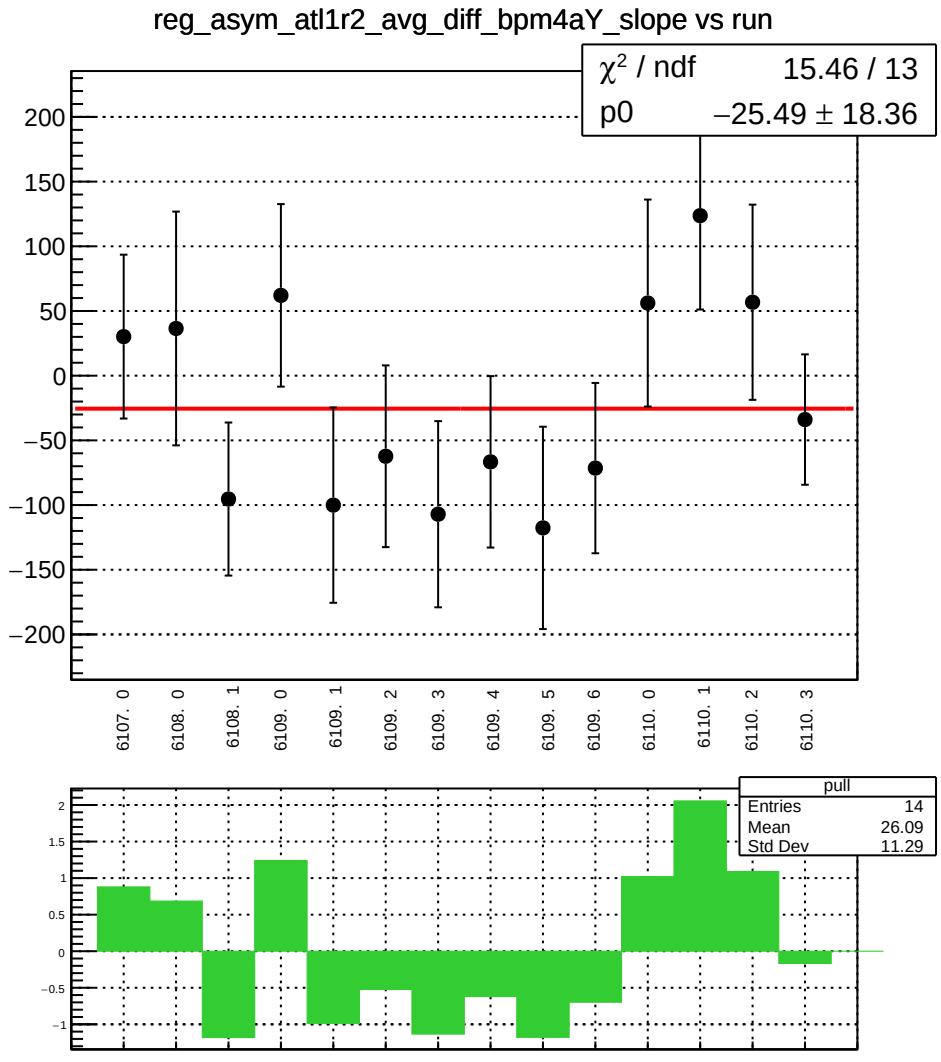

pull1D
Entries 14
Mean −0.01127
Std Dev 0.5882
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

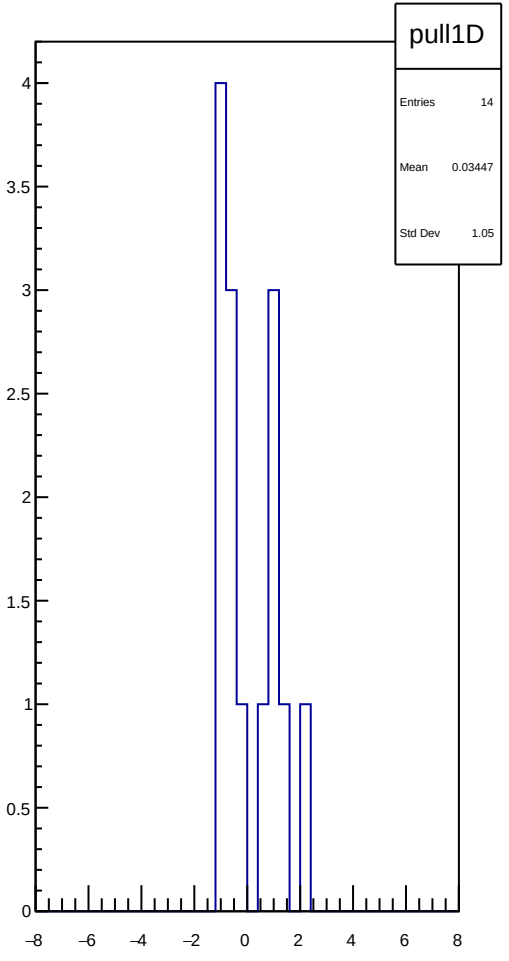

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 7.18 / 13
p0 −119.3 ± 1.18
−110
−115
−120
−125
−130
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

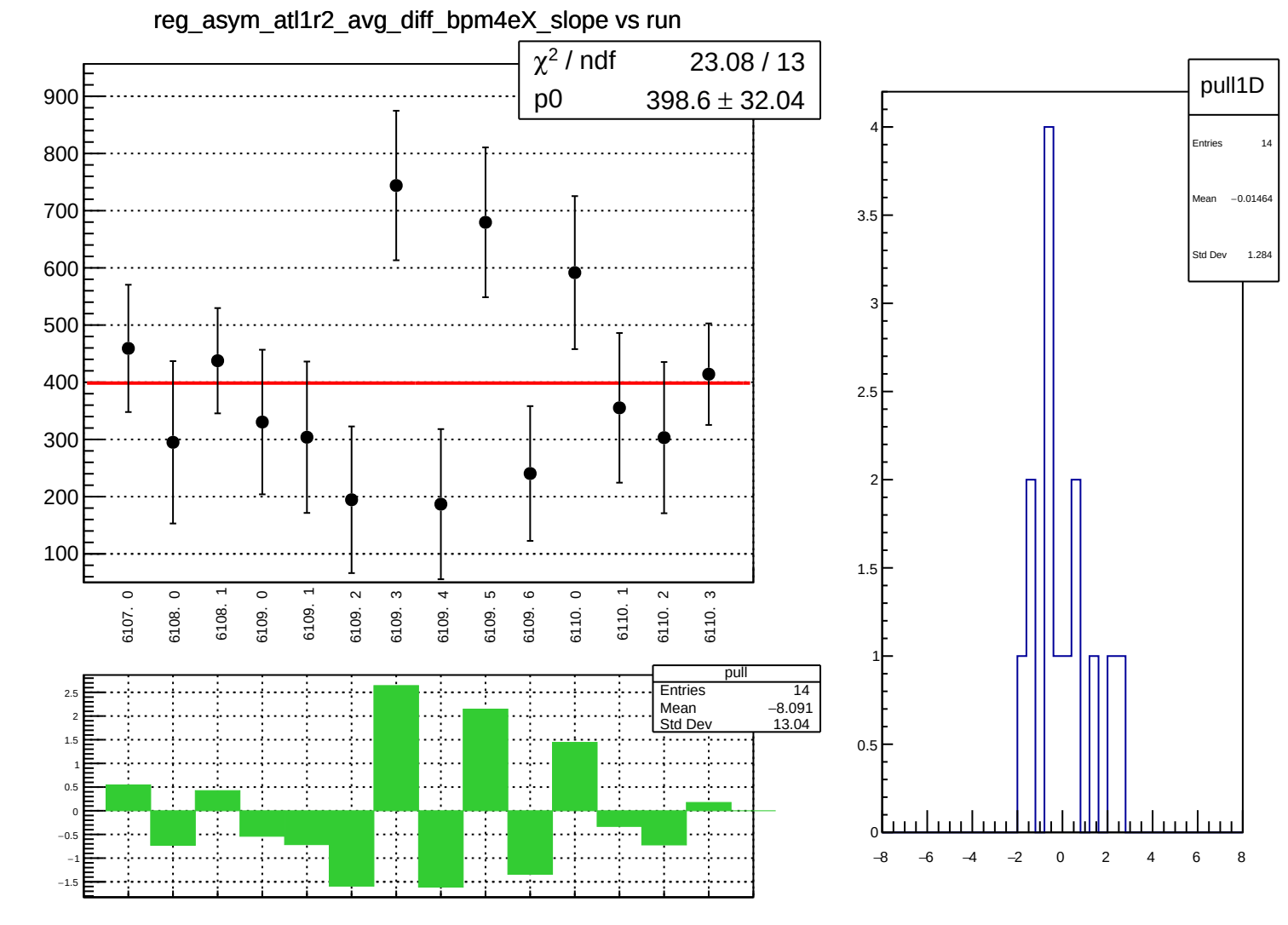

pull
Entries 14
Mean 5.899
Std Dev 10.24
1
0.5
0
−0.5
−1
−1.5

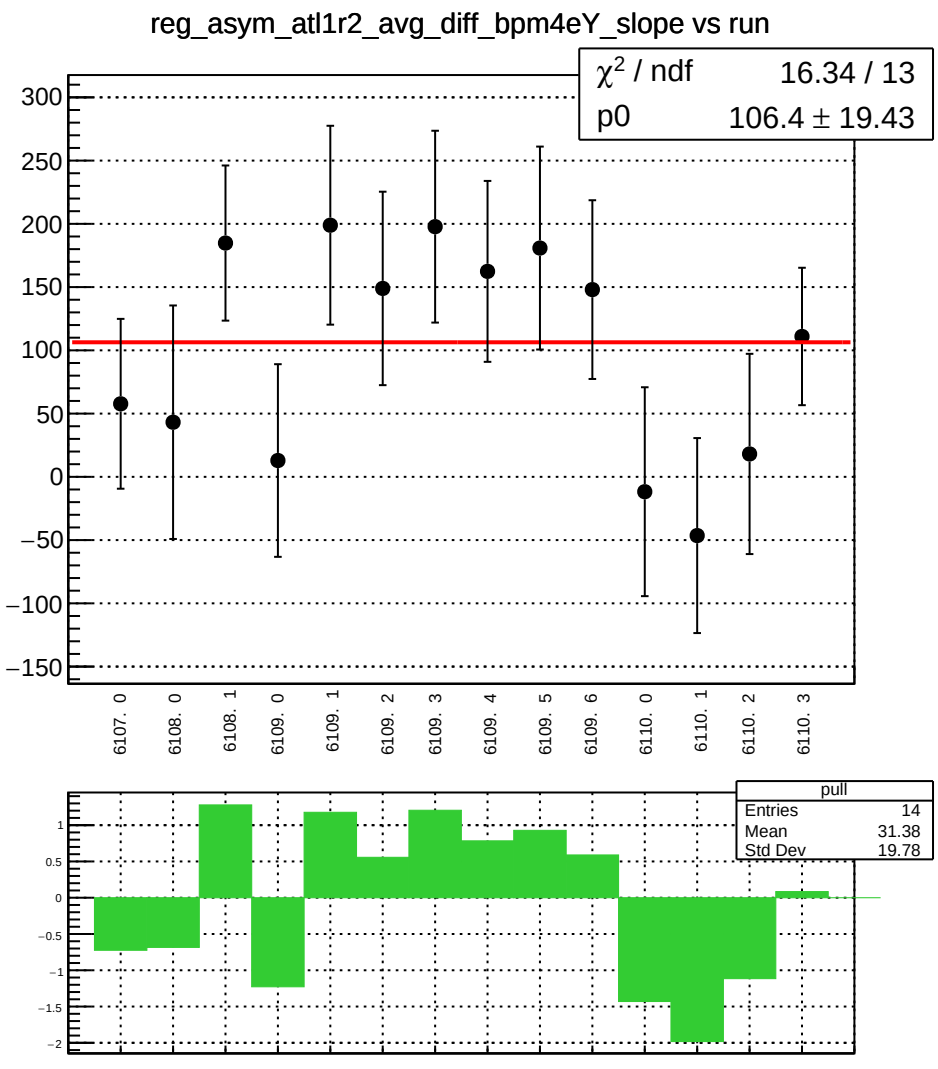

pull1D
Entries 14
Mean −0.02079
Std Dev 0.7159
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

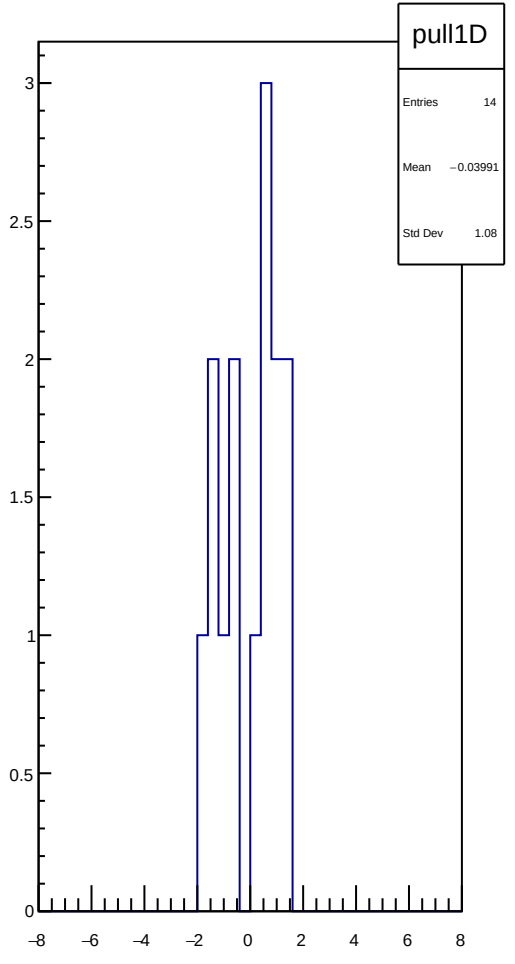

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.3 / 13
p0 −283.2 ± 27.54
0
−100
−200
−300
−400
−500
−600
−700
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −8.837
Std Dev 13.16
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 14
Mean 0.0125
Std Dev 1.29
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

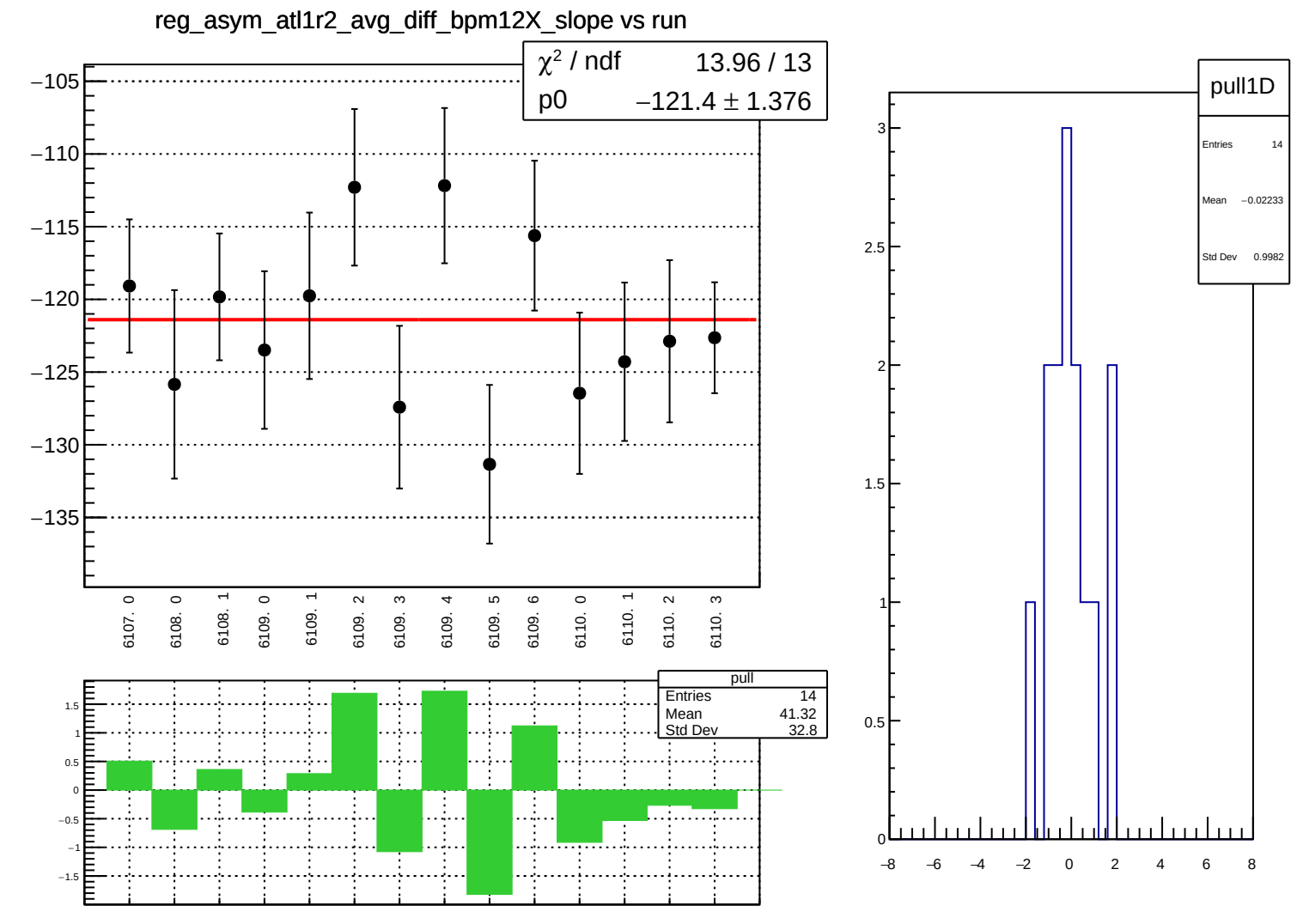

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.46 / 13
p0 −25.49 ± 18.36
200
150
100
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 26.09
Std Dev 11.29
2
1.5
1
0.5
0
−0.5
−1

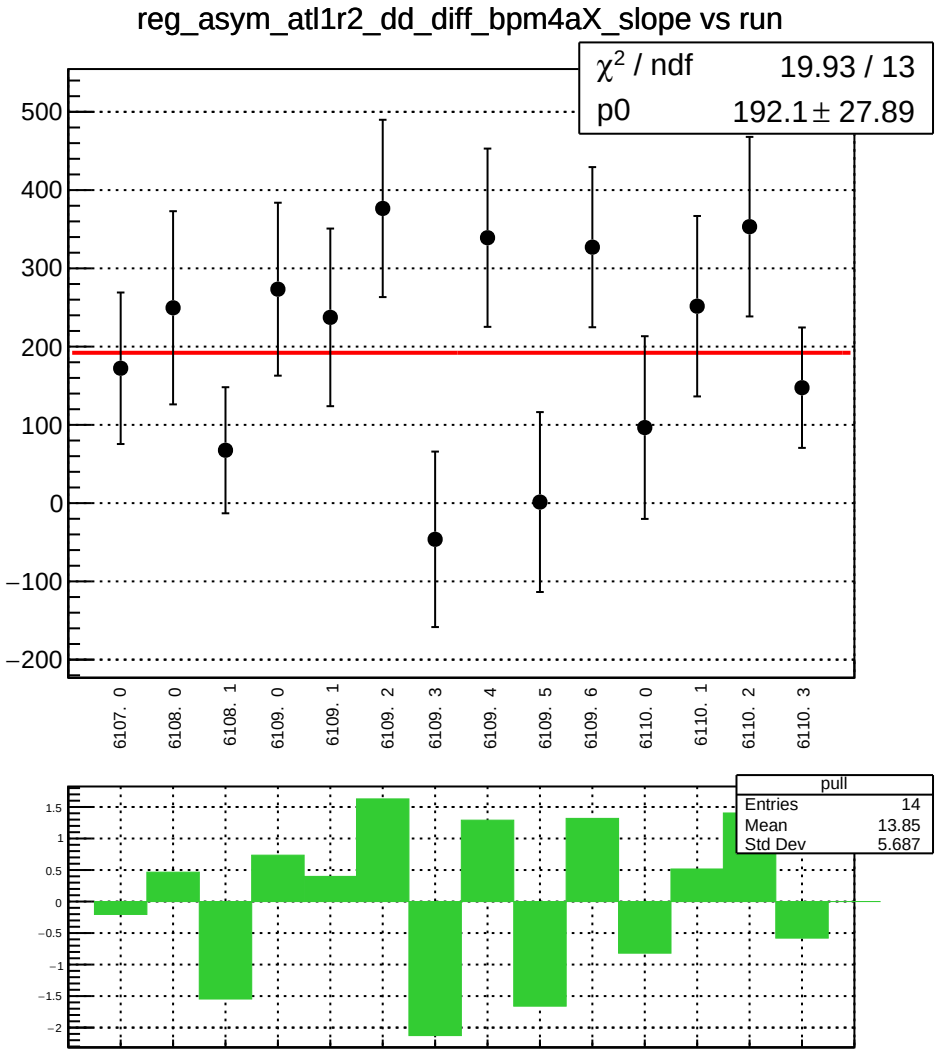

pull1D
Entries 14
Mean 0.03447
Std Dev 1.05
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

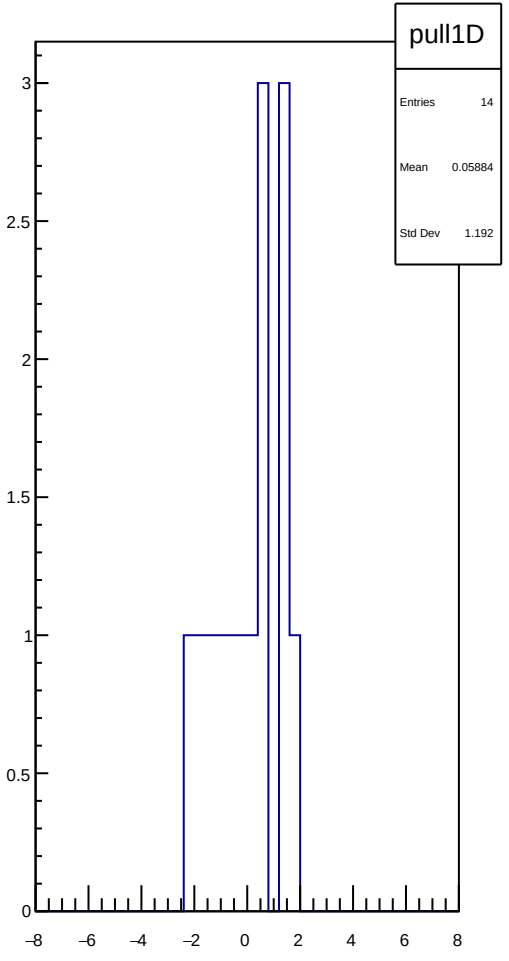

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.08 / 13
p0 398.6 ± 32.04
900
800
700
600
500
400
300
200
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −8.091
Std Dev 13.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.01464
Std Dev 1.284
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

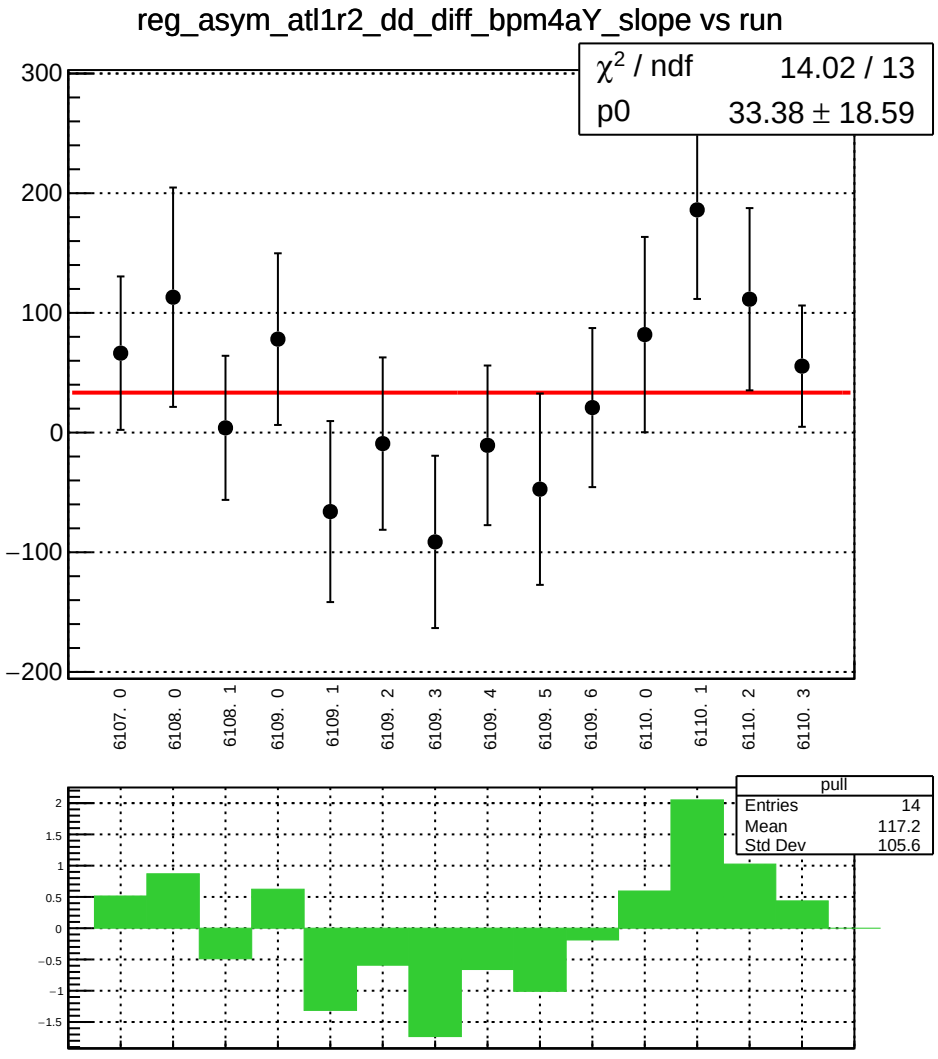

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.34 / 13
p0 106.4 ± 19.43
300
250
200
150
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 31.38
Std Dev 19.78
1
0.5
0
−0.5
−1
−1.5
−2

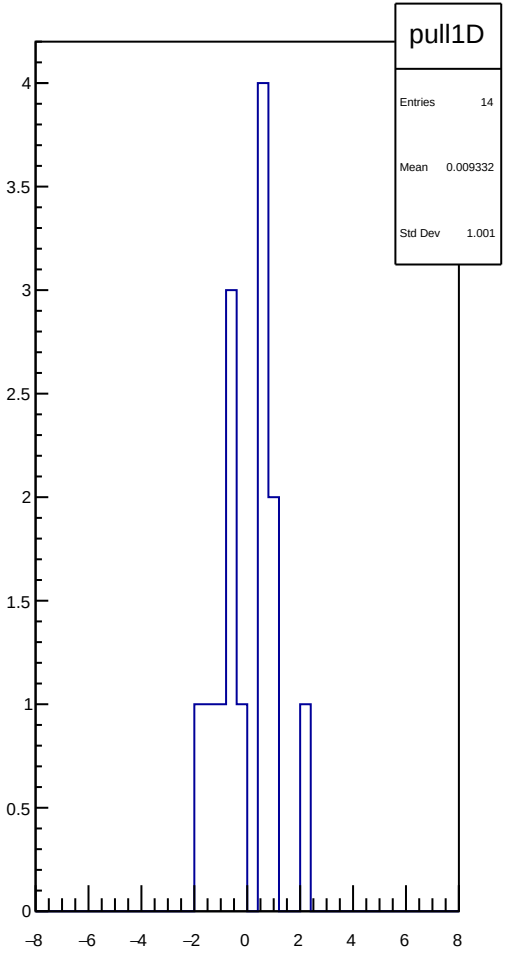

pull1D
Entries 14
Mean −0.03991
Std Dev 1.08
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

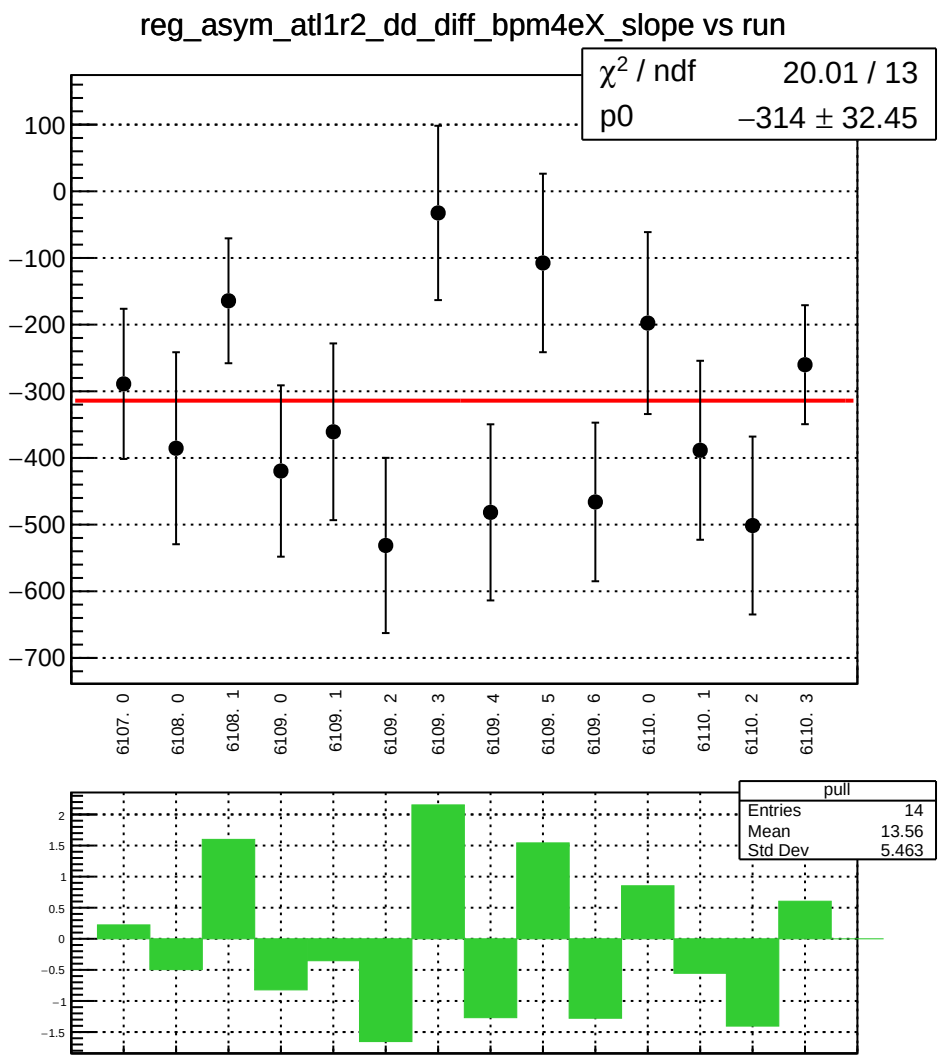

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.96 / 13
p0 −121.4 ± 1.376
−105
−110
−115
−120
−125
−130
−135
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 41.32
Std Dev 32.8
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.02233
Std Dev 0.9982
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

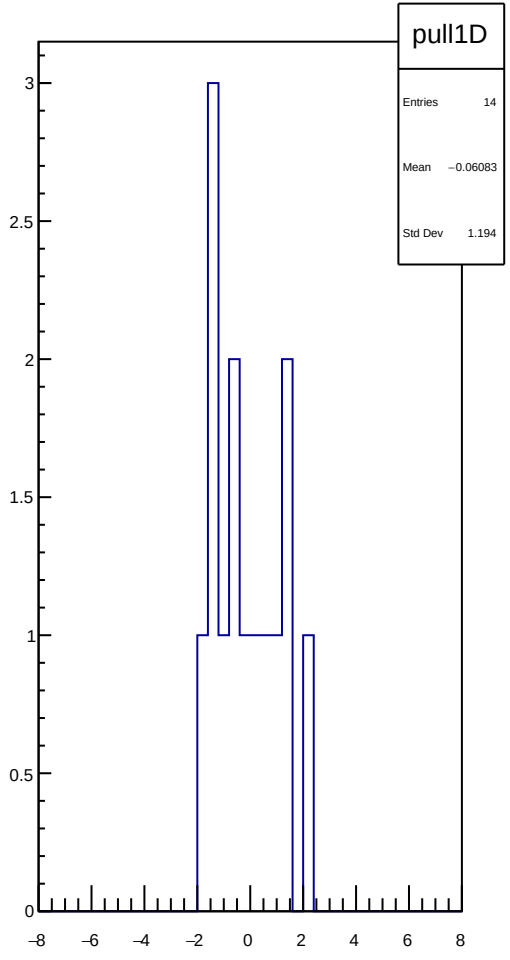

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 19.93 / 13
p0 192.1 ± 27.89
500
400
300
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 13.85
Std Dev 5.687
1.5
1
0.5
0
−0.5
−1
−1.5
−2

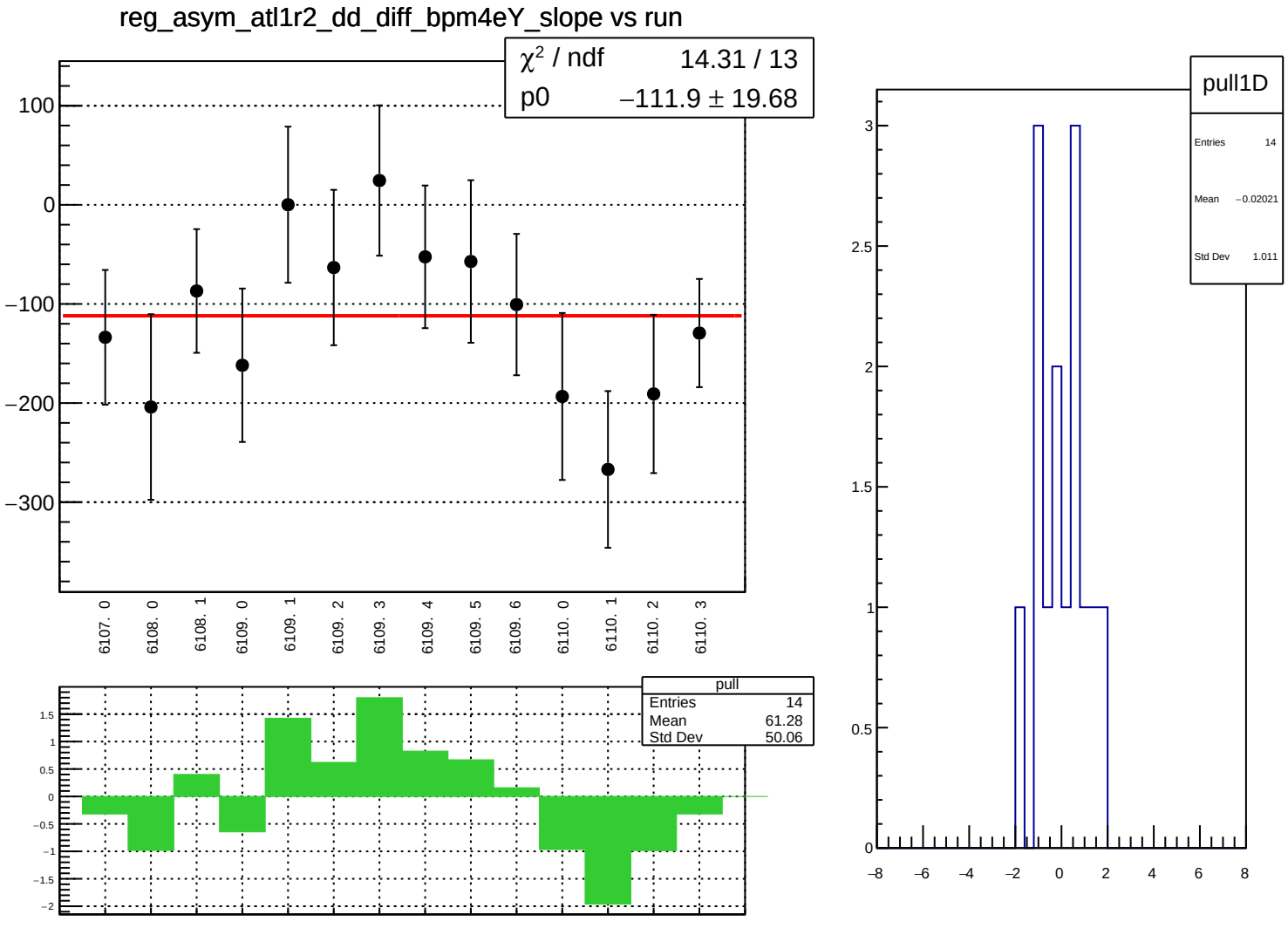

pull1D
Entries 14
Mean 0.05884
Std Dev 1.192
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

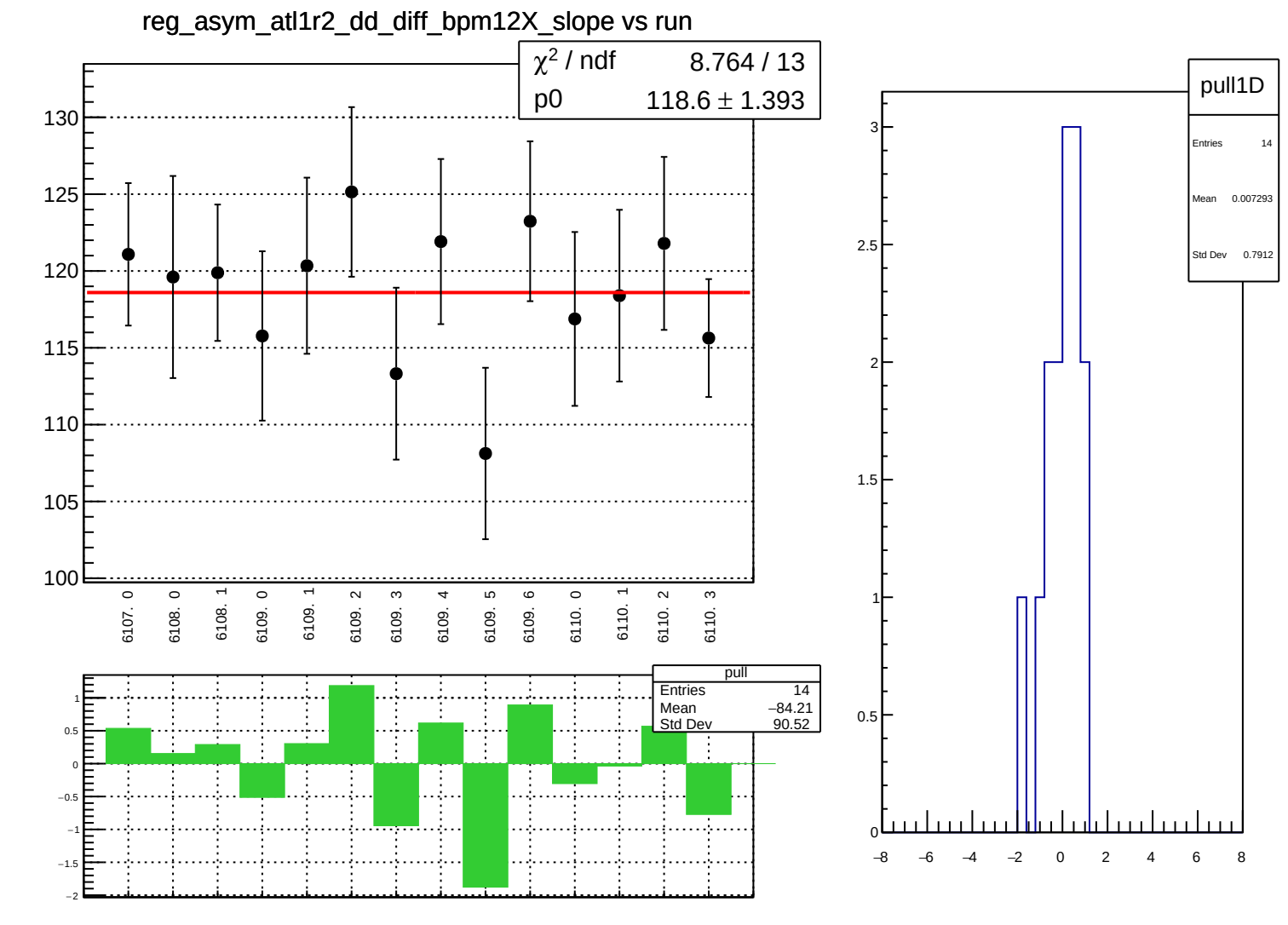

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.02 / 13
p0 33.38 ± 18.59
300
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 117.2
Std Dev 105.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

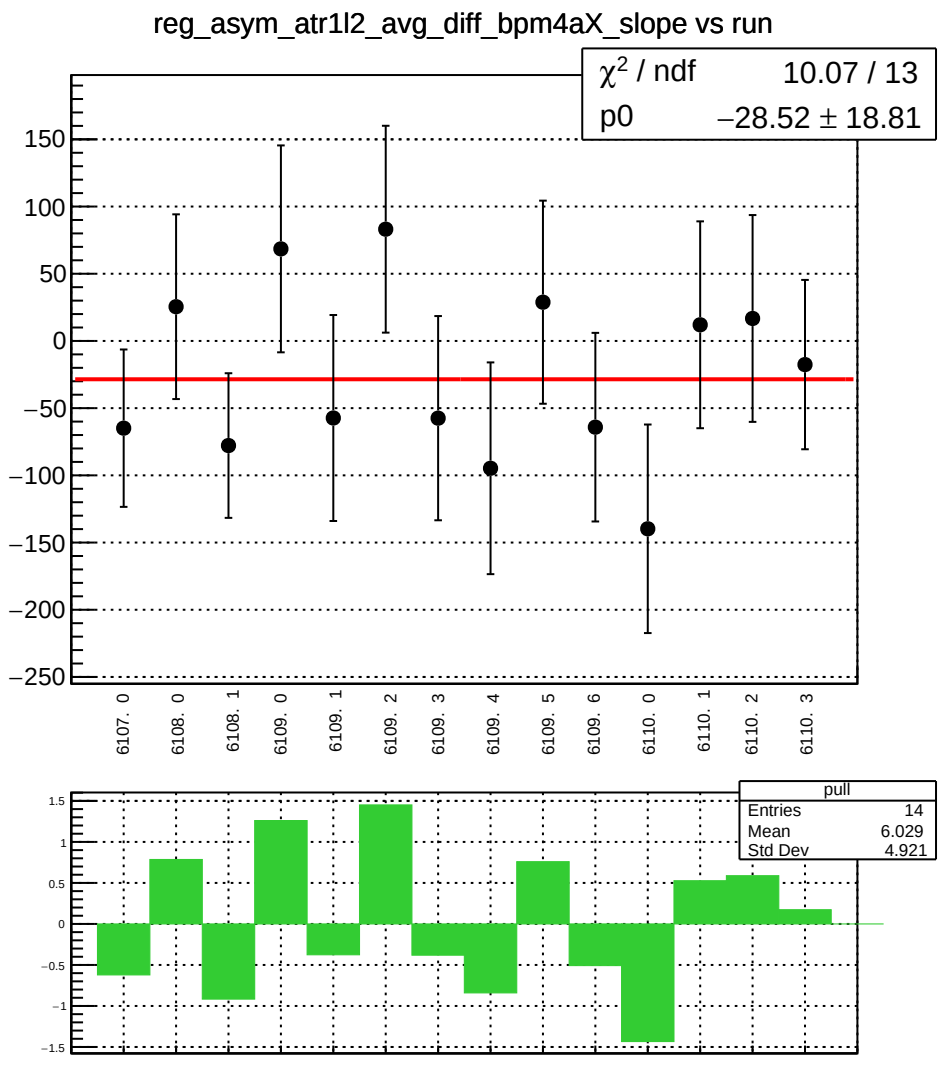

pull1D
Entries 14
Mean 0.009332
Std Dev 1.001
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

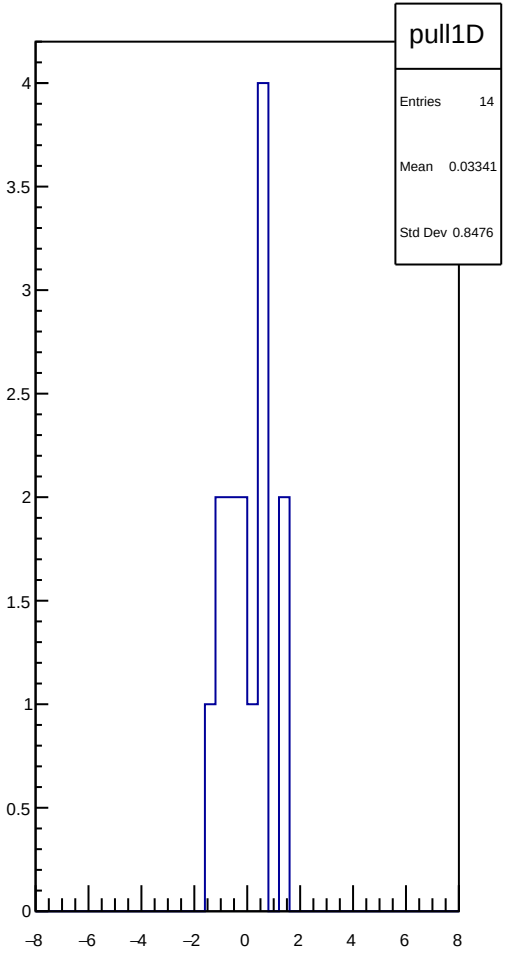

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.01 / 13
p0 −314 ± 32.45
100
0
−100
−200
−300
−400
−500
−600
−700
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 13.56
Std Dev 5.463
2
1.5
1
0.5
0
−0.5
−1
−1.5

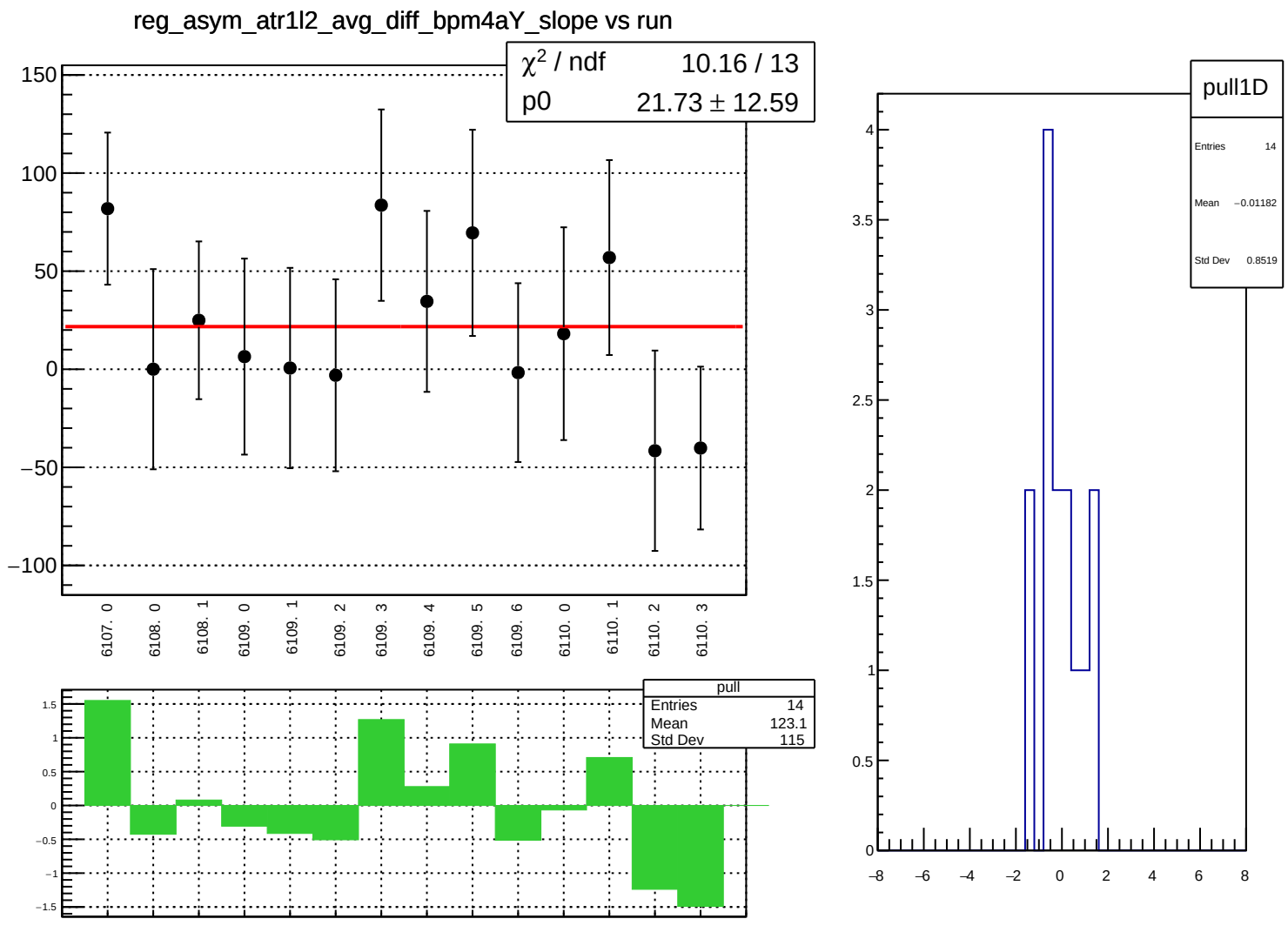

pull1D
Entries 14
Mean −0.06083
Std Dev 1.194
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

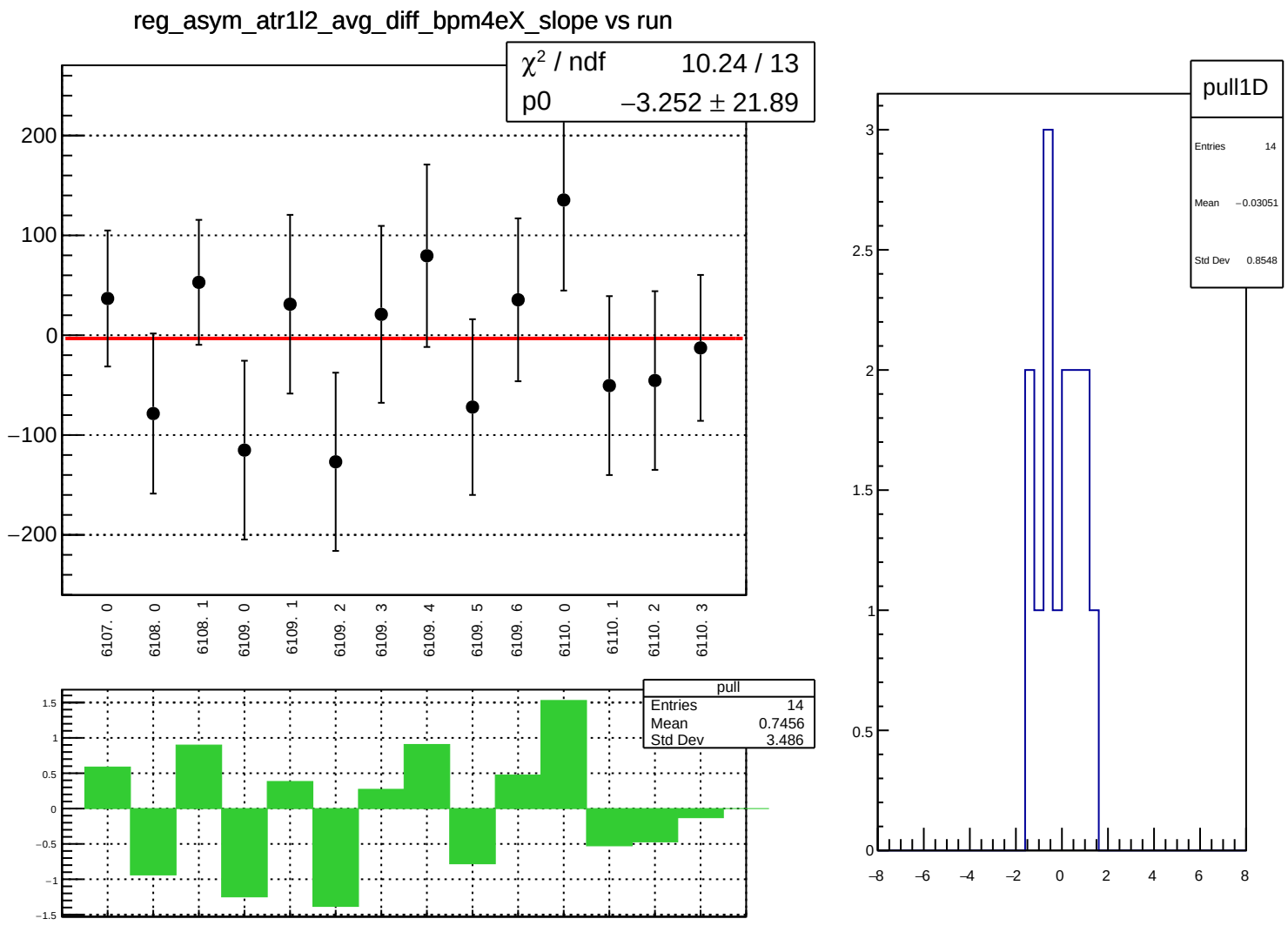

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.31 / 13
p0 −111.9 ± 19.68
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 61.28
Std Dev 50.06
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.02021
Std Dev 1.011
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

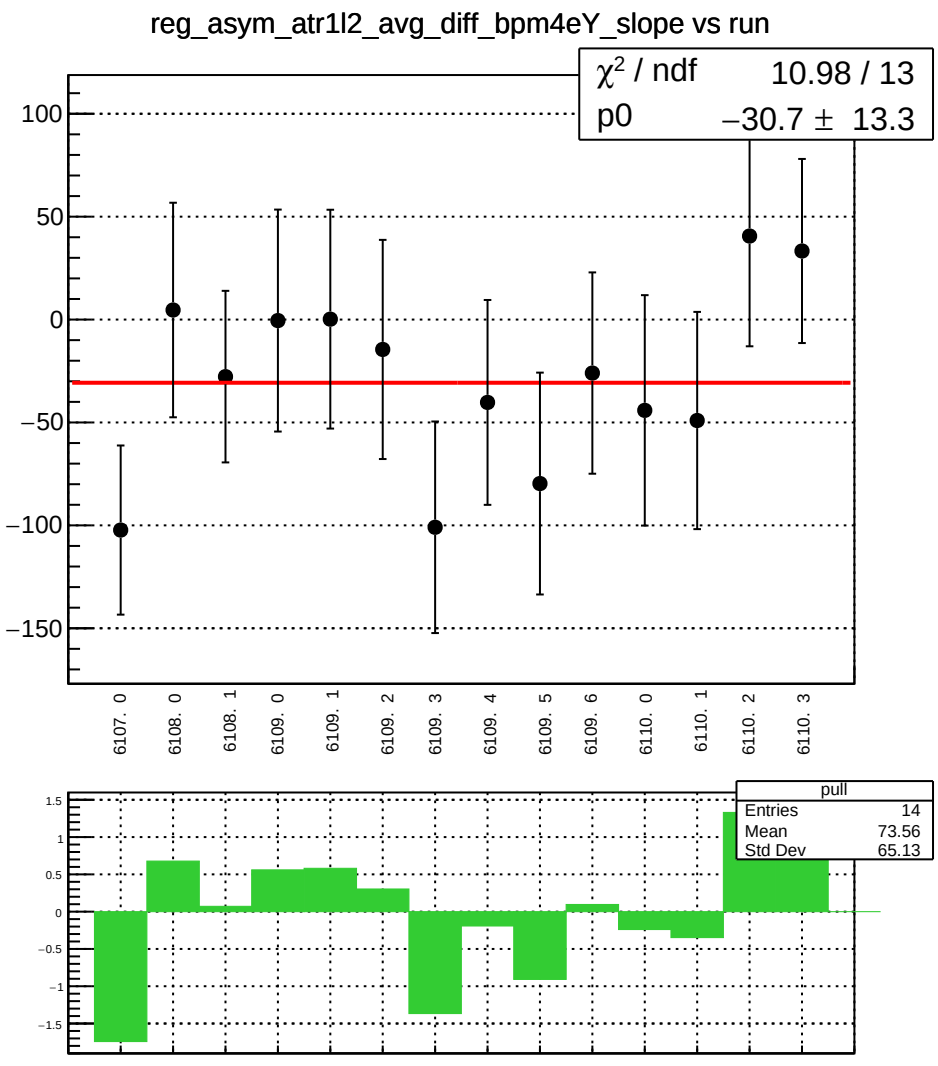

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.764 / 13
p0 118.6 ± 1.393
130
125
120
115
110
105
100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −84.21
Std Dev 90.52
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.007293
Std Dev 0.7912
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

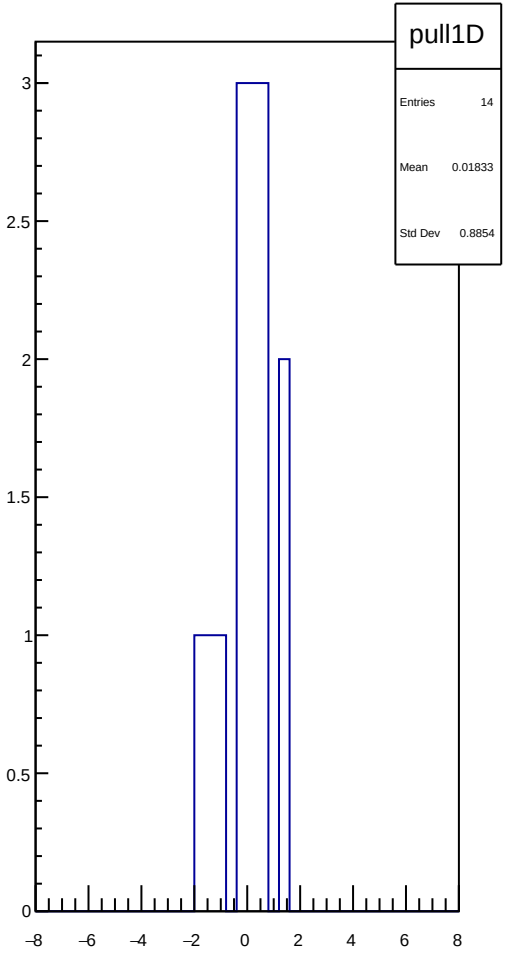

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.07 / 13
p0 −28.52 ± 18.81
150
100
50
0
−50
−100
−150
−200
−250
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 6.029
Std Dev 4.921
1.5
1
0.5
0
−0.5
−1
−1.5

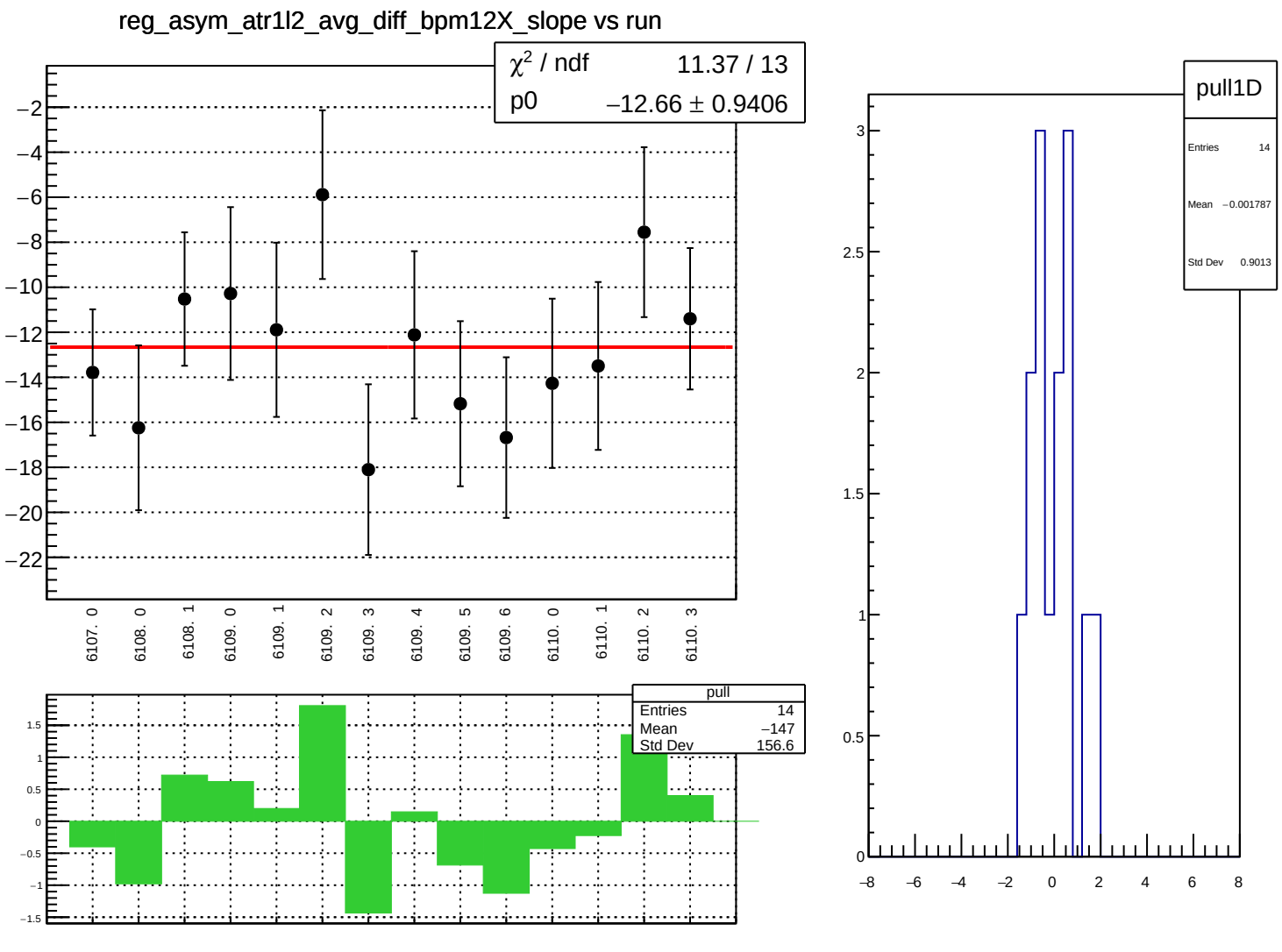

pull1D
Entries 14
Mean 0.03341
Std Dev 0.8476
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

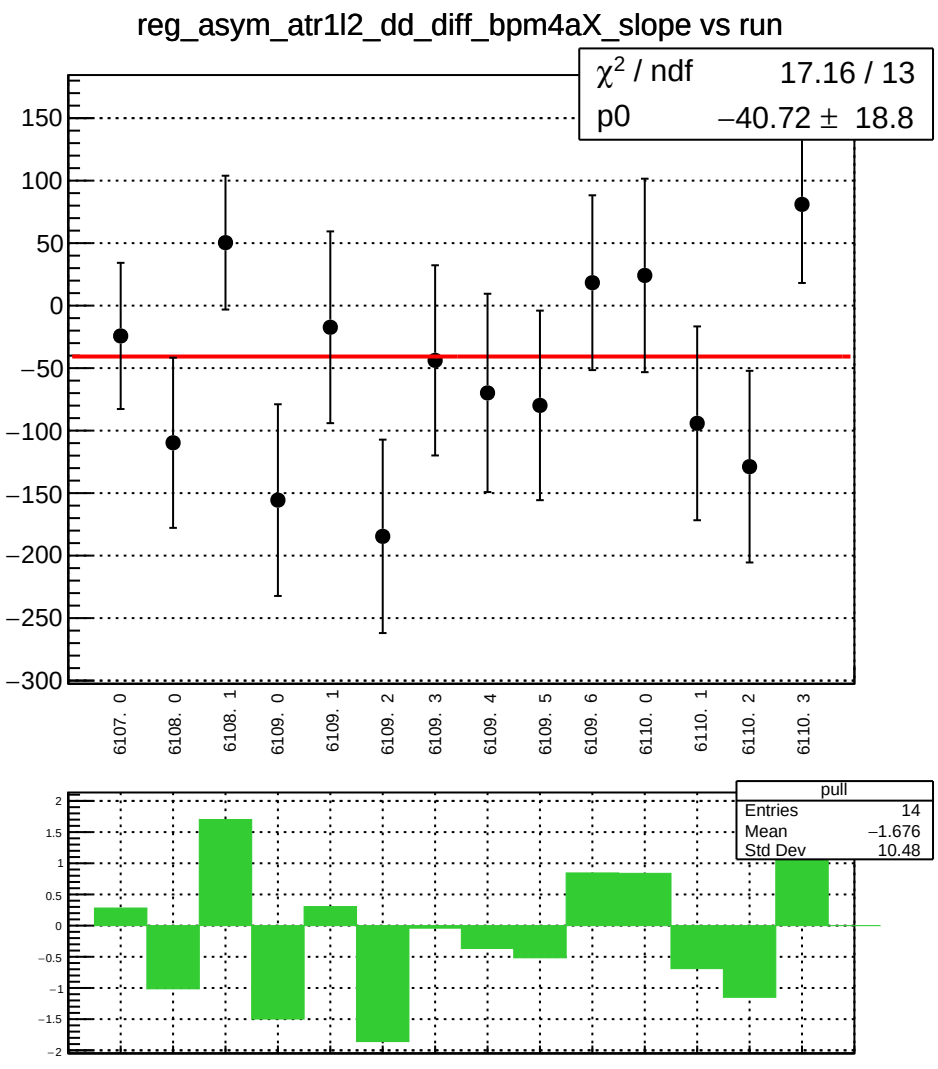

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.16 / 13
p0 21.73 ± 12.59
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 123.1
Std Dev 115
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.01182
Std Dev 0.8519
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

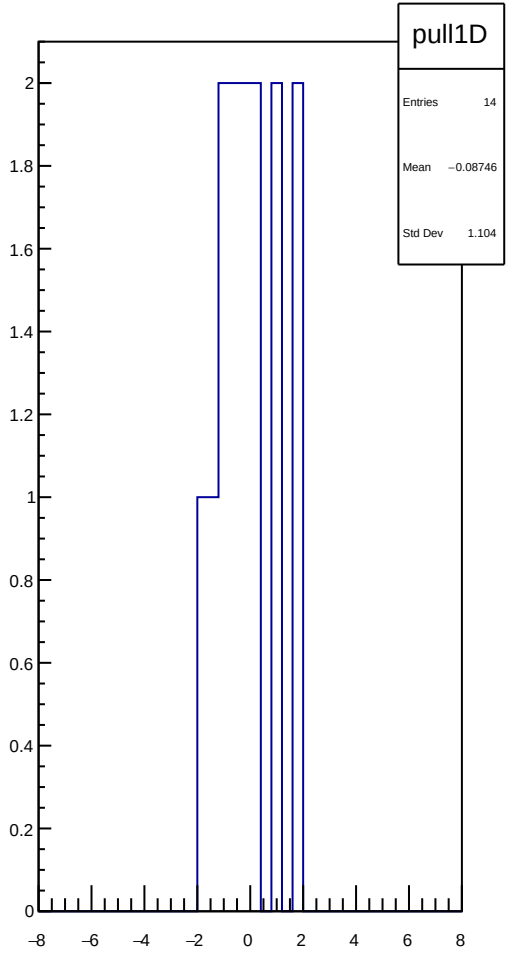

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.24 / 13
p0 −3.252 ± 21.89
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0.7456
Std Dev 3.486
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.03051
Std Dev 0.8548
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

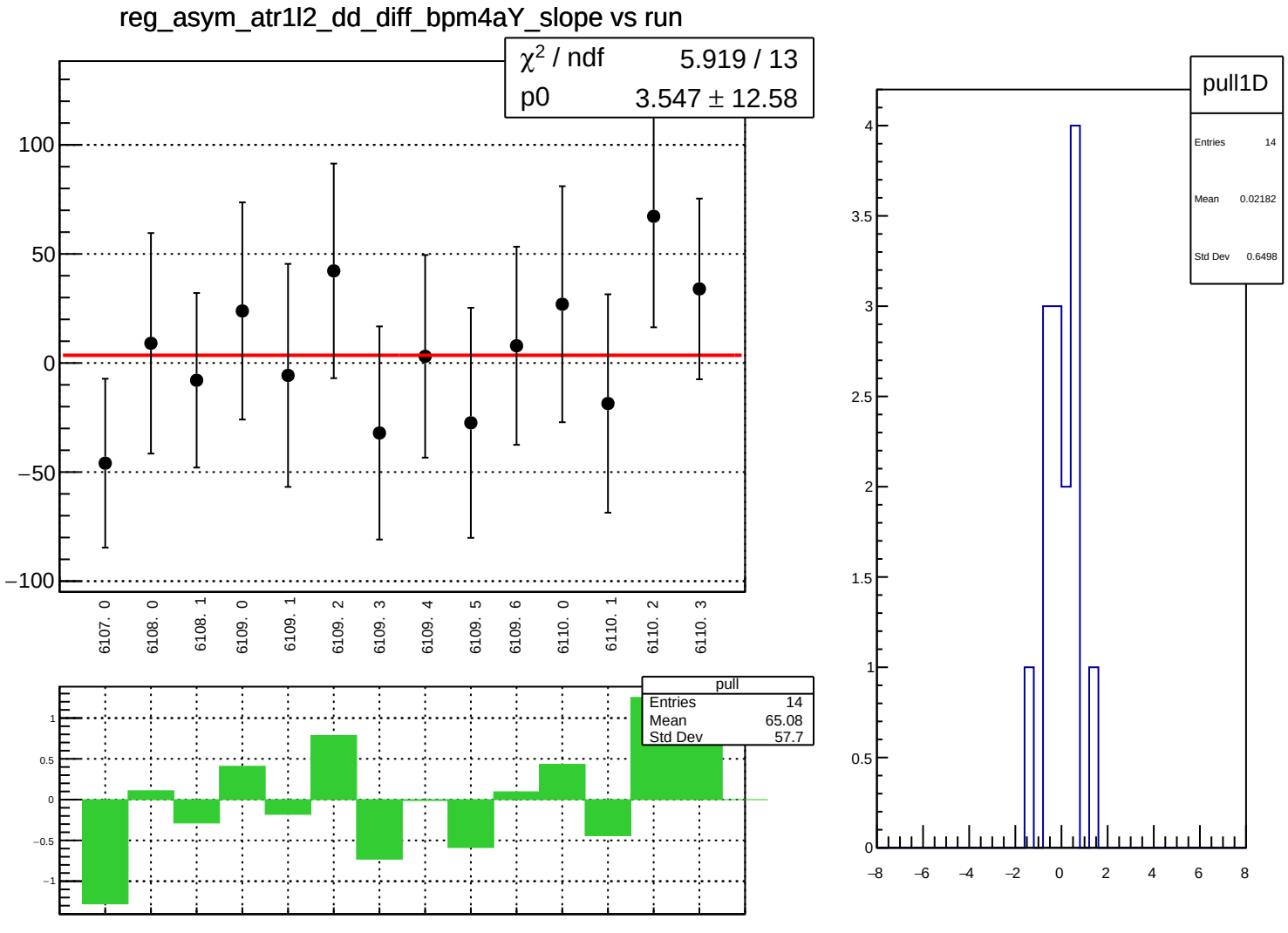

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.98 / 13
p0 −30.7 ± 13.3
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 73.56
Std Dev 65.13
1.5
1
0.5
0
−0.5
−1
−1.5

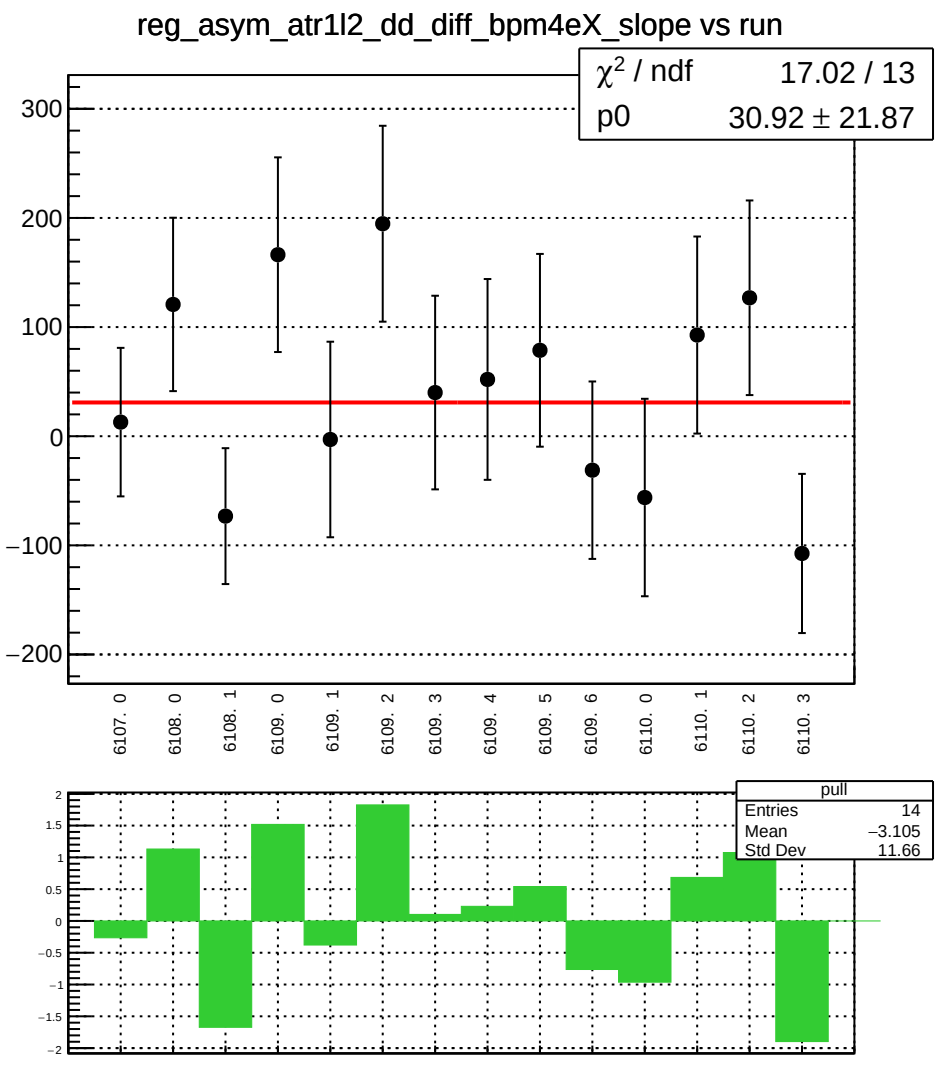

pull1D
Entries 14
Mean 0.01833
Std Dev 0.8854
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

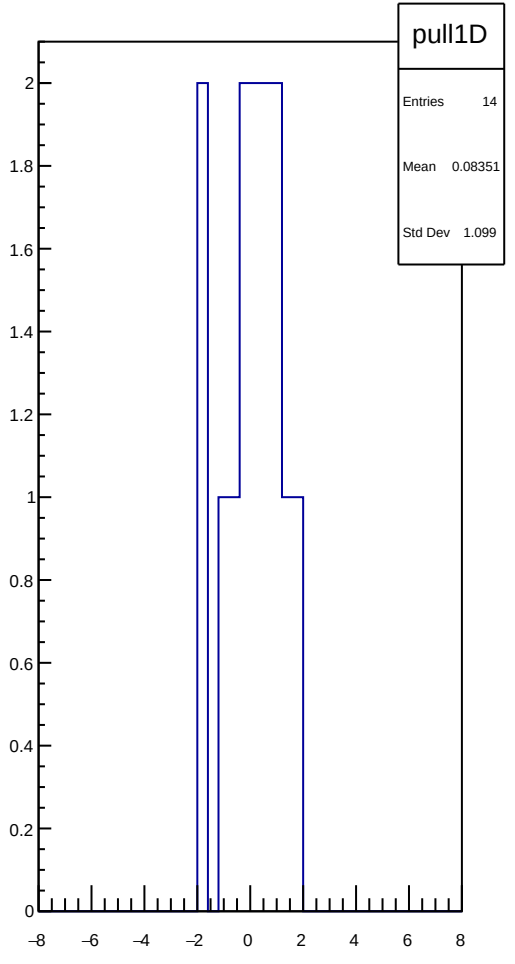

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 11.37 / 13
p0 −12.66 ± 0.9406
−2
−4
−6
−8
−10
−12
−14
−16
−18
−20
−22
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −147
Std Dev 156.6
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.001787
Std Dev 0.9013
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

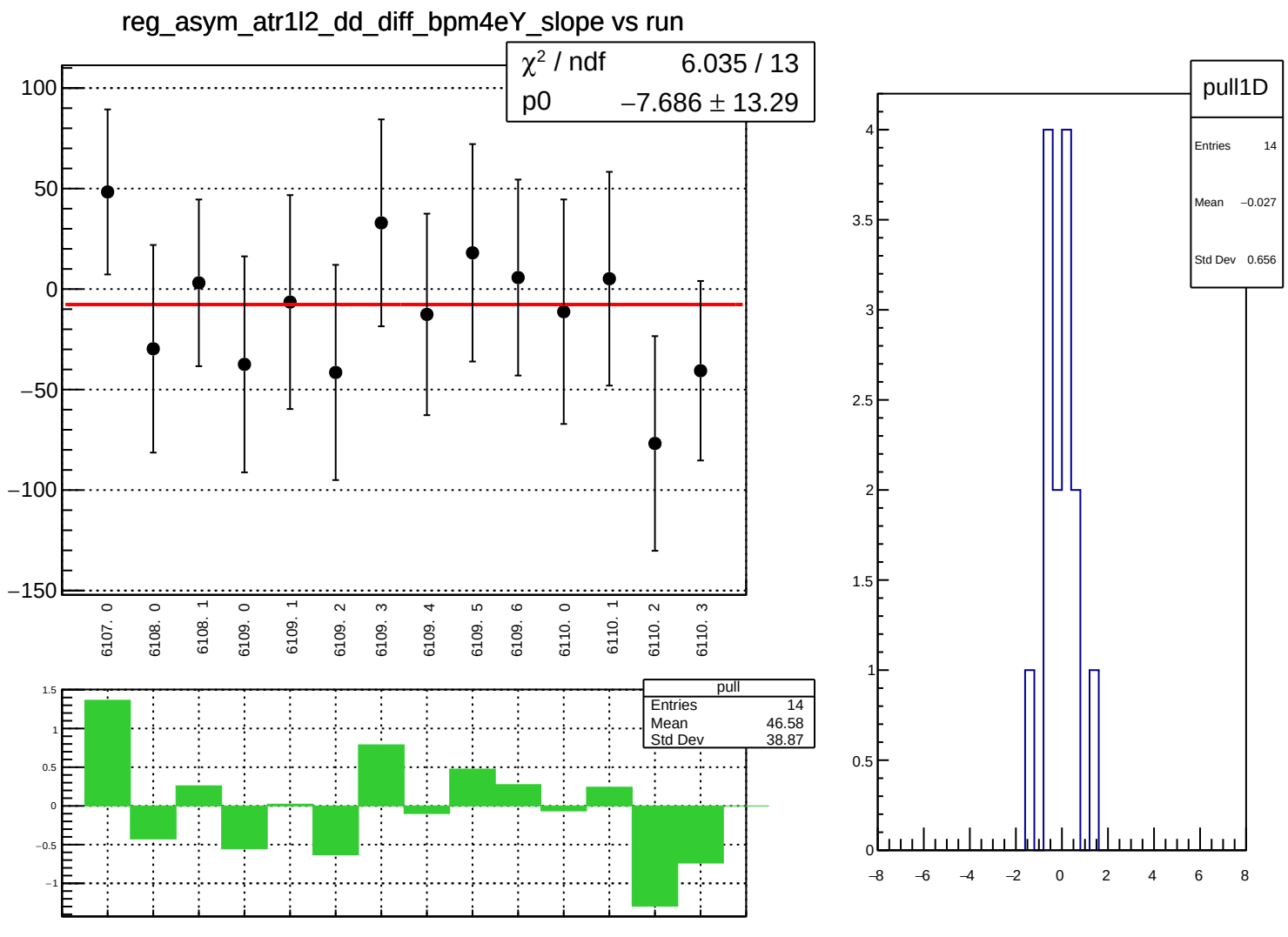

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.16 / 13
p0 −40.72 ± 18.8
150
100
50
0
−50
−100
−150
−200
−250
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −1.676
Std Dev 10.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

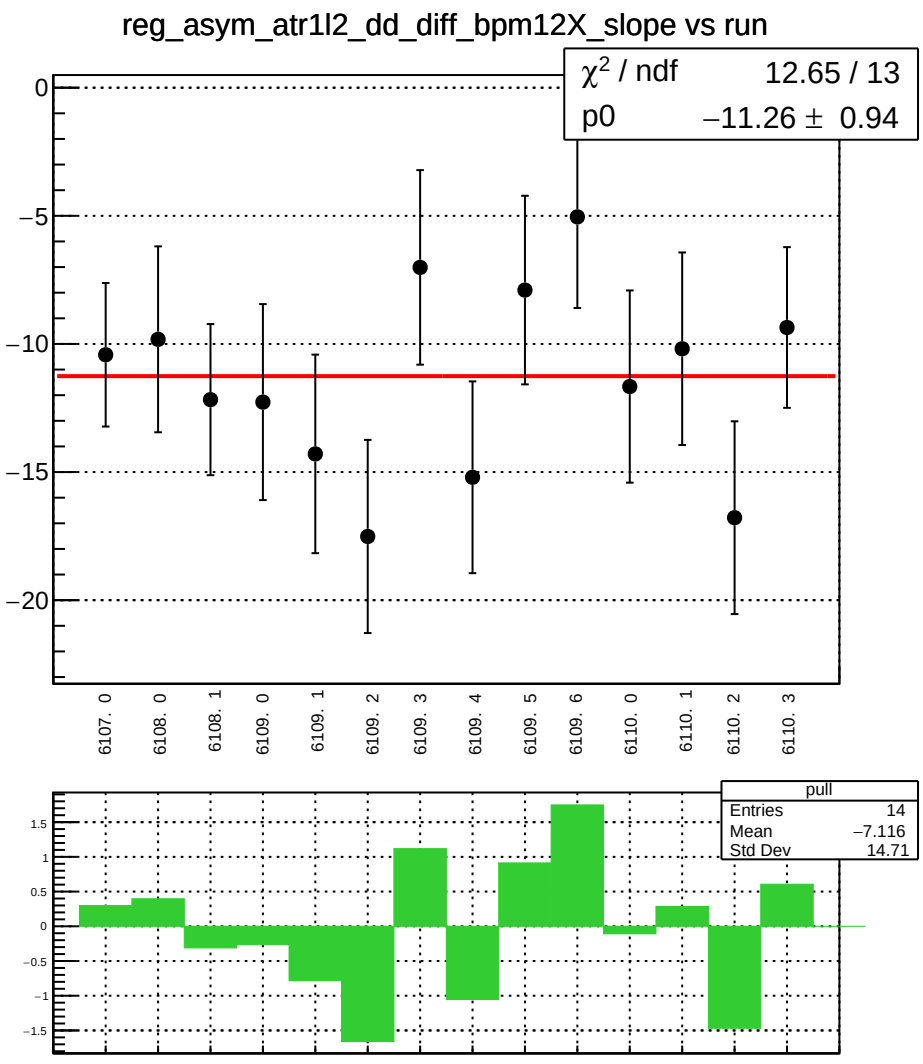

pull1D
Entries 14
Mean −0.08746
Std Dev 1.104
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

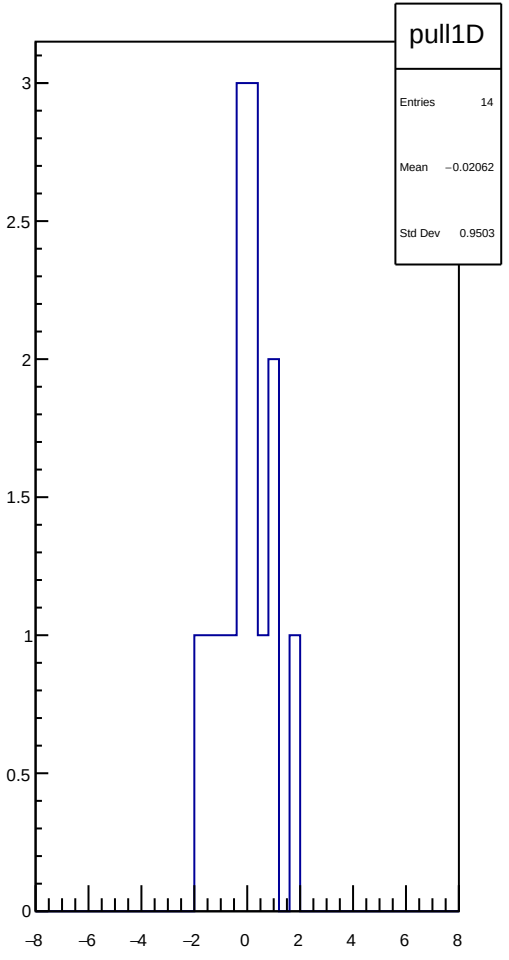

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.919 / 13
p0 3.547 ± 12.58
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 65.08
Std Dev 57.7
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean 0.02182
Std Dev 0.6498
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

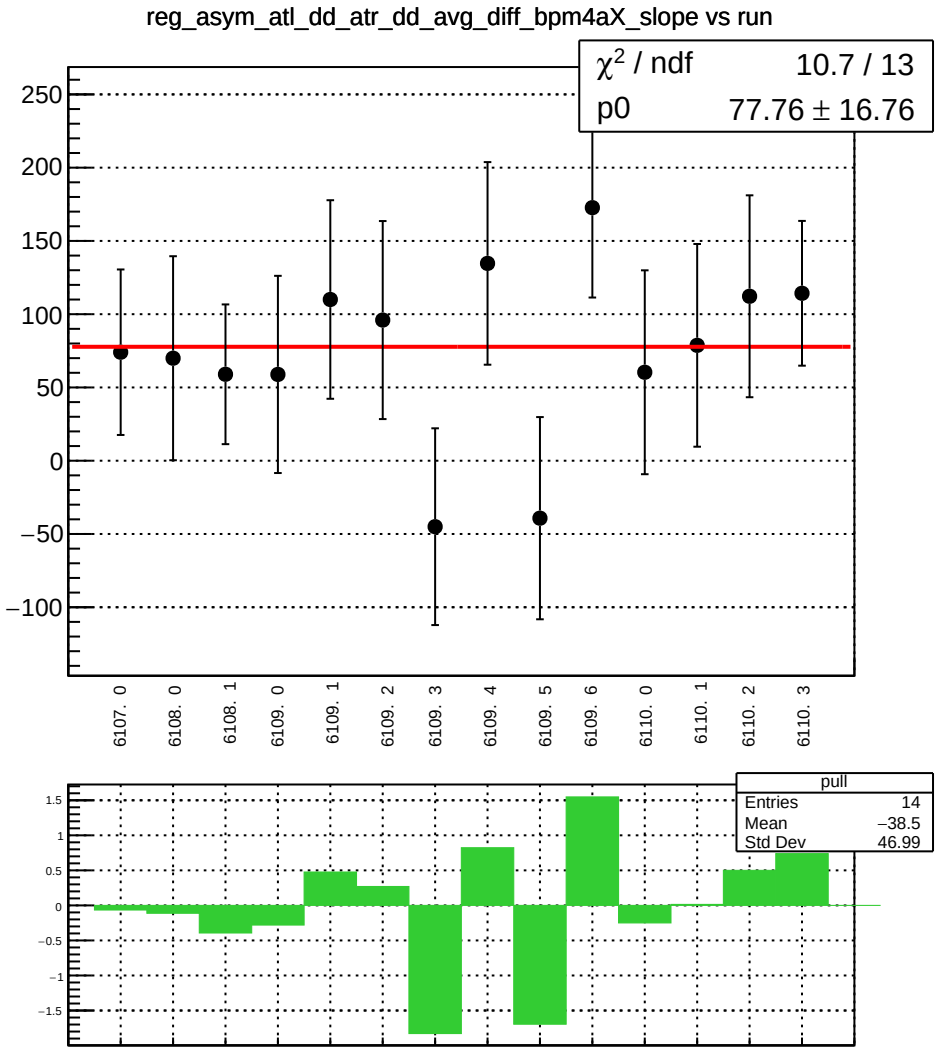

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.02 / 13
p0 30.92 ± 21.87
300
200
100
0
−100
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −3.105
Std Dev 11.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

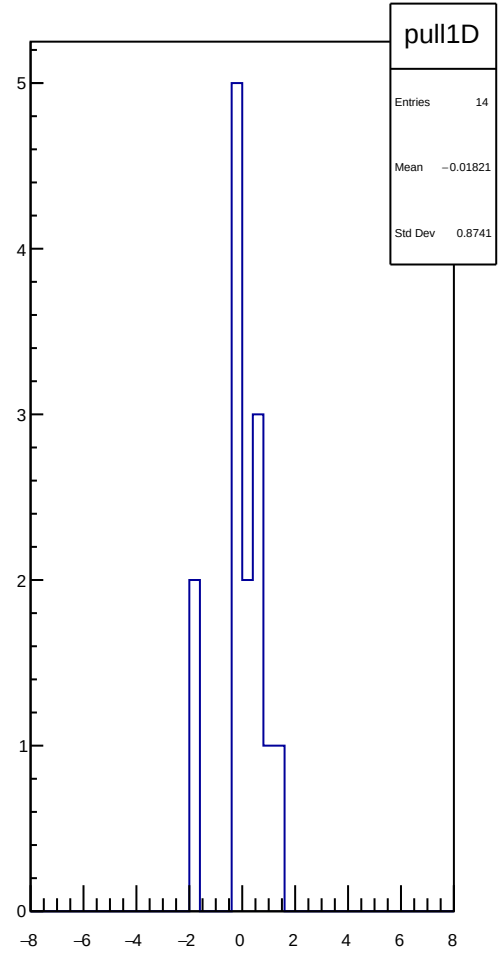

pull1D
Entries 14
Mean 0.08351
Std Dev 1.099
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

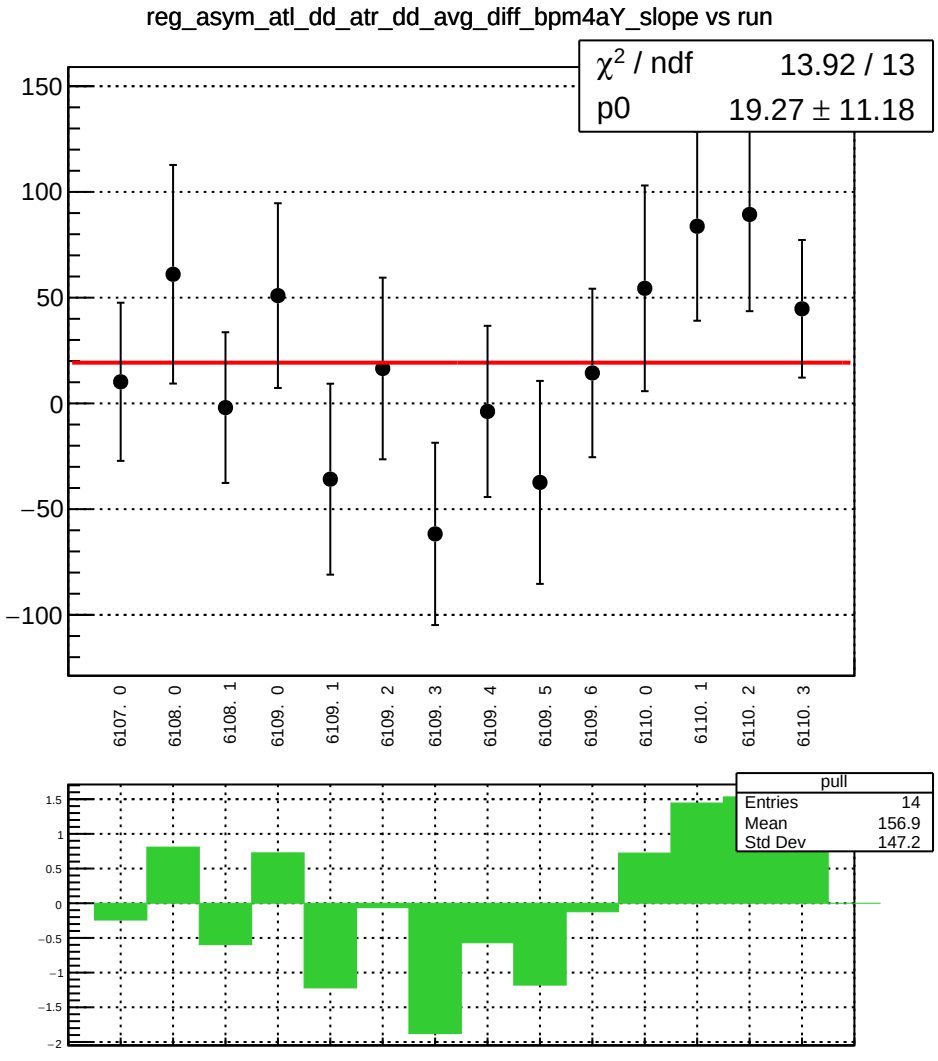

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.035 / 13
p0 −7.686 ± 13.29
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 46.58
Std Dev 38.87
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean −0.027
Std Dev 0.656
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

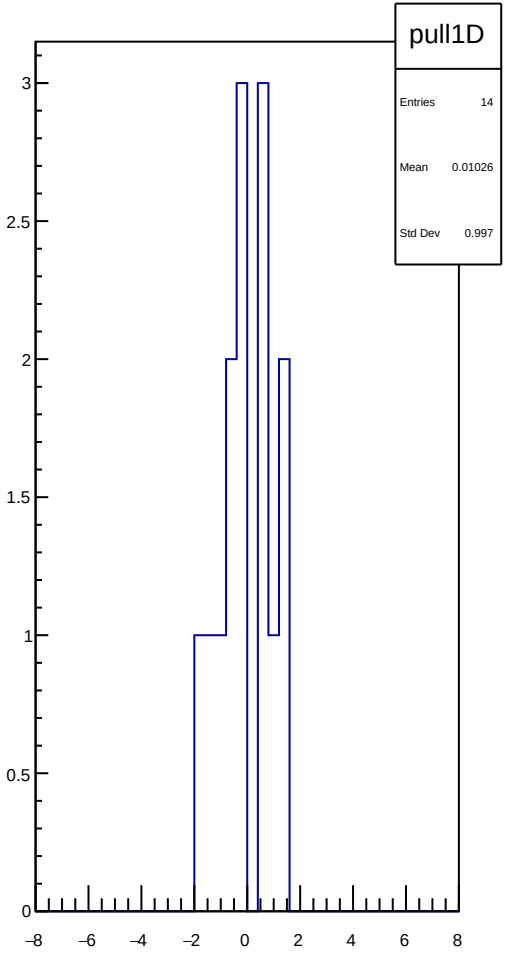

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 12.65 / 13
p0 −11.26 ± 0.94
0
−5
−10
−15
−20
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −7.116
Std Dev 14.71
1.5
1
0.5
0
−0.5
−1
−1.5

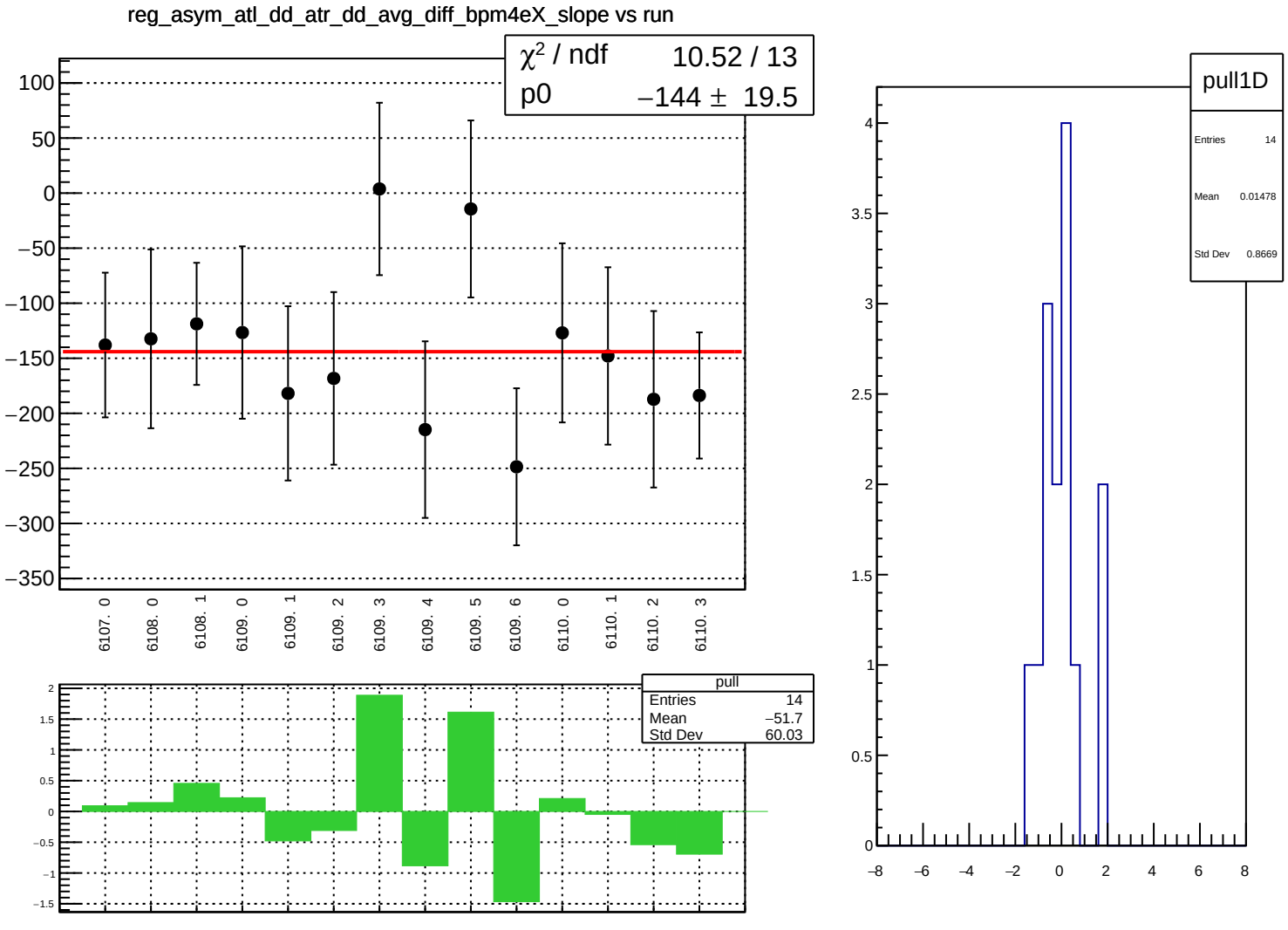

pull1D
Entries 14
Mean −0.02062
Std Dev 0.9503
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

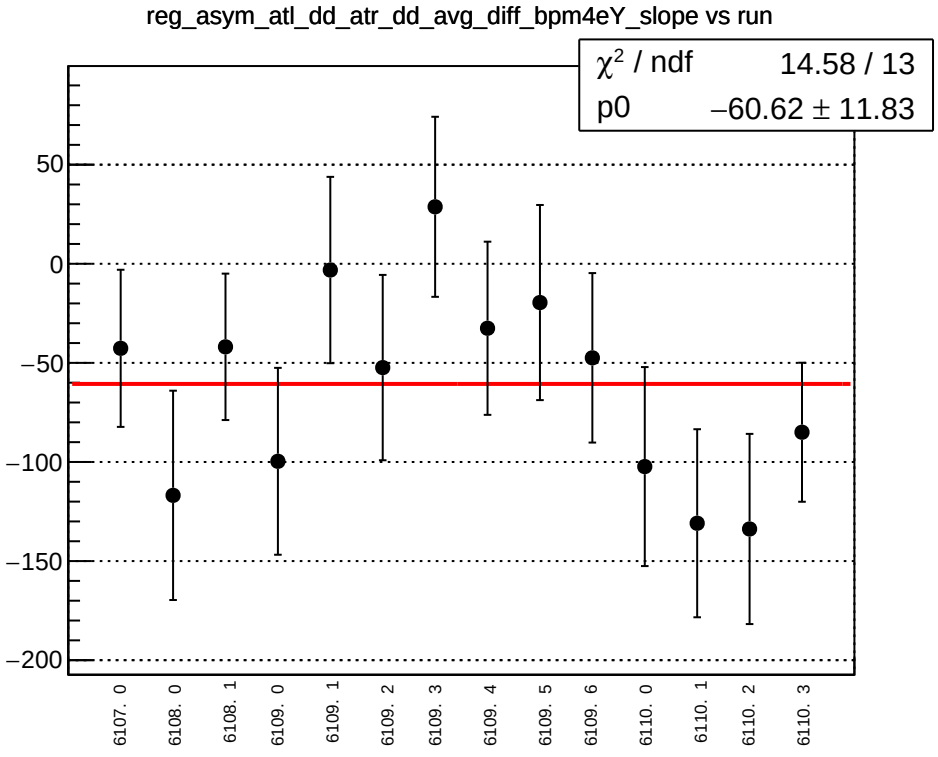

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.7 / 13
p0 77.76 ± 16.76
250
200
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −38.5
Std Dev 46.99
1.5
1
0.5
0
−0.5
−1
−1.5

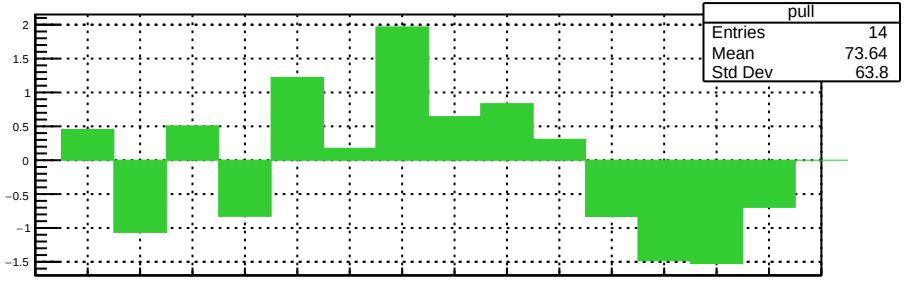

pull1D
Entries 14
Mean −0.01821
Std Dev 0.8741
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

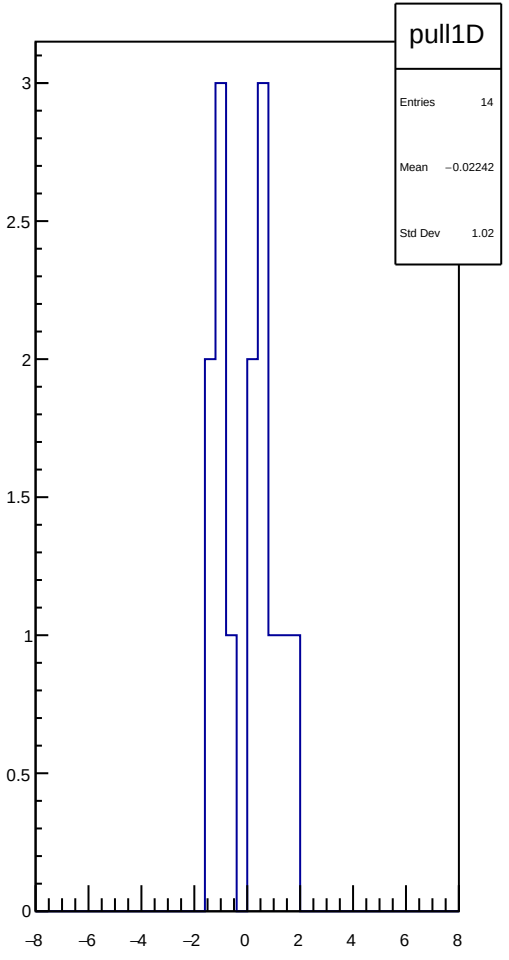

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.92 / 13
p0 19.27 ± 11.18
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 156.9
Std Dev 147.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

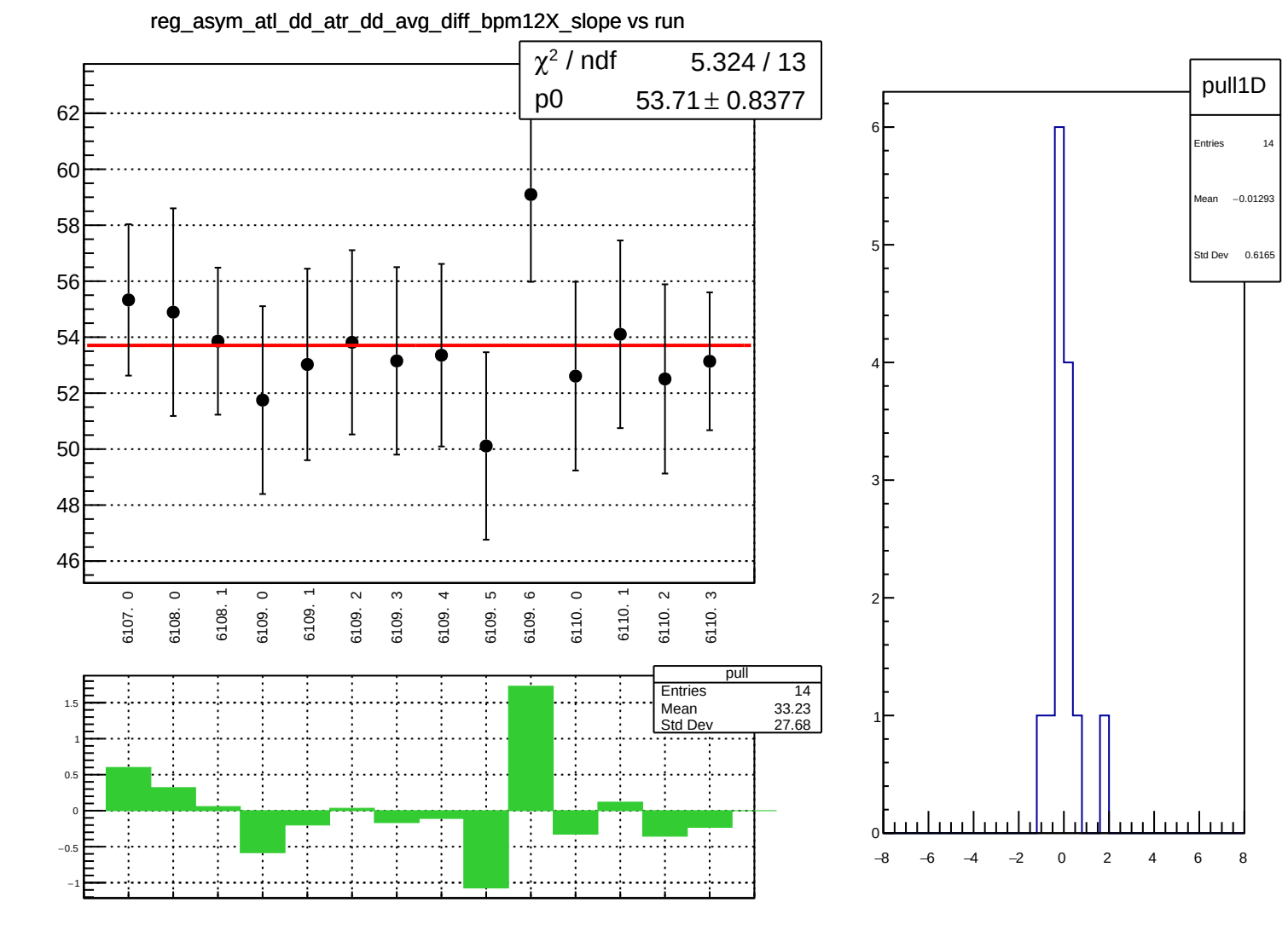

pull1D
Entries 14
Mean 0.01026
Std Dev 0.997
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

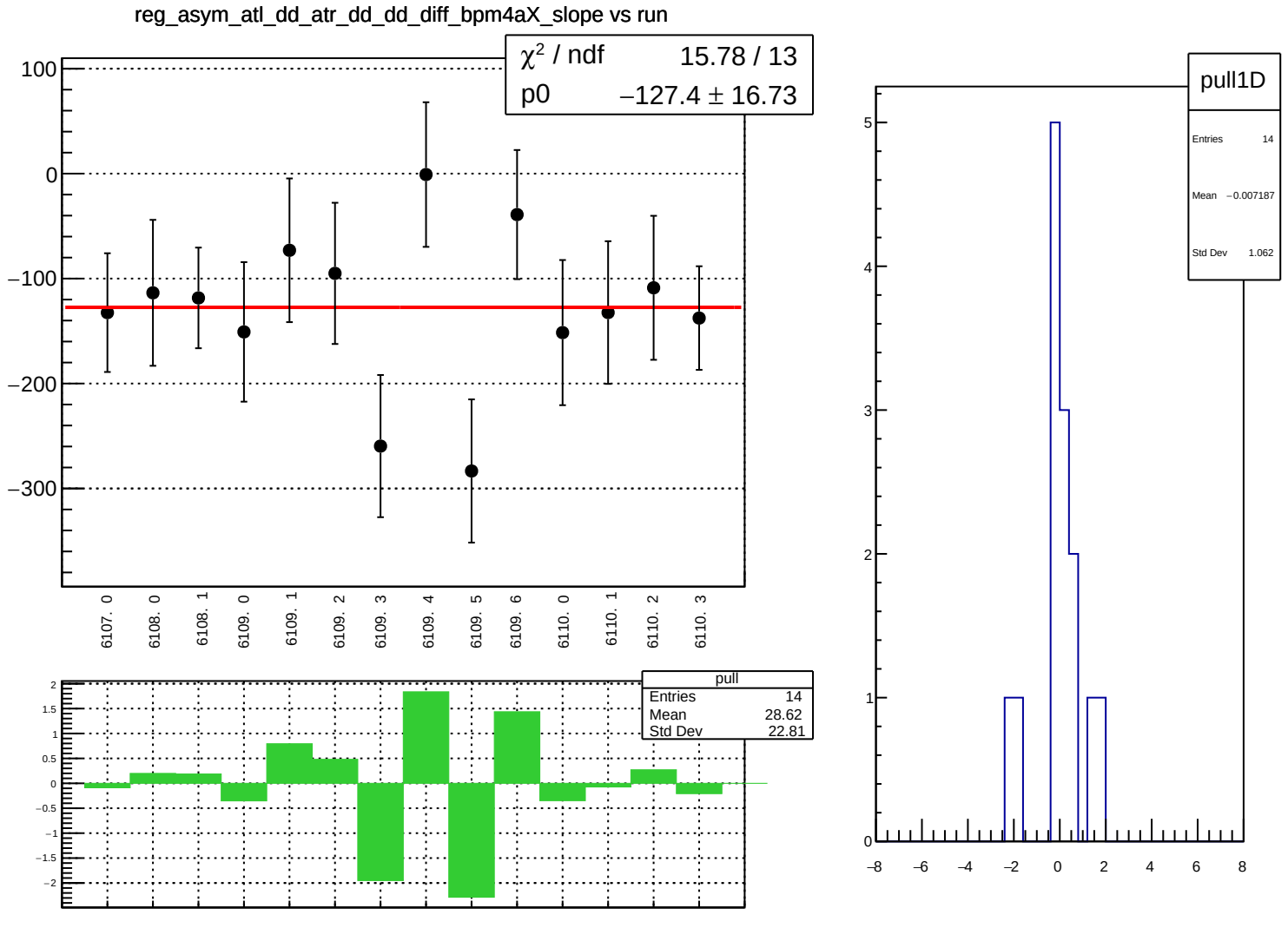

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.52 / 13
p0 −144 ± 19.5
100
50
0
−50
−100
−150
−200
−250
−300
−350
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −51.7
Std Dev 60.03
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.01478
Std Dev 0.8669
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

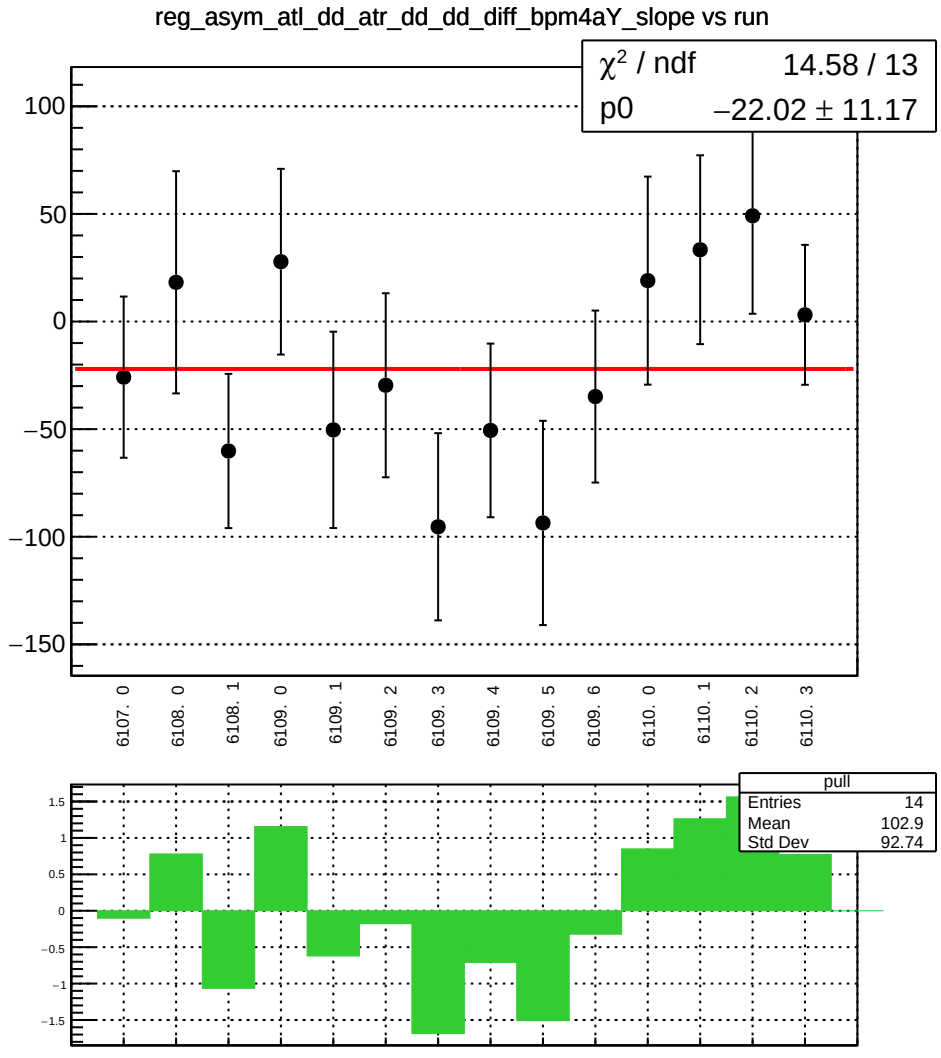

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.58 / 13
p0 −60.62 ± 11.83
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3

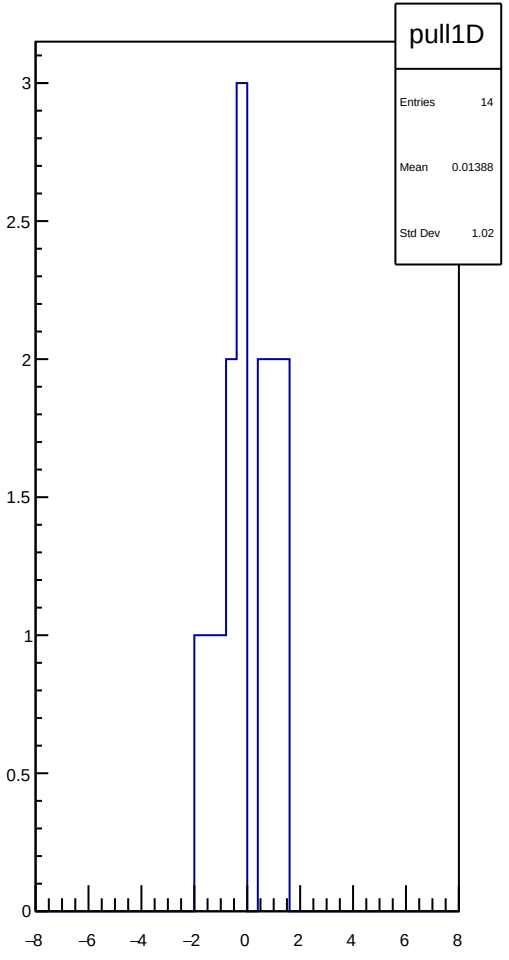

pull
Entries 14
Mean 73.64
Std Dev 63.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

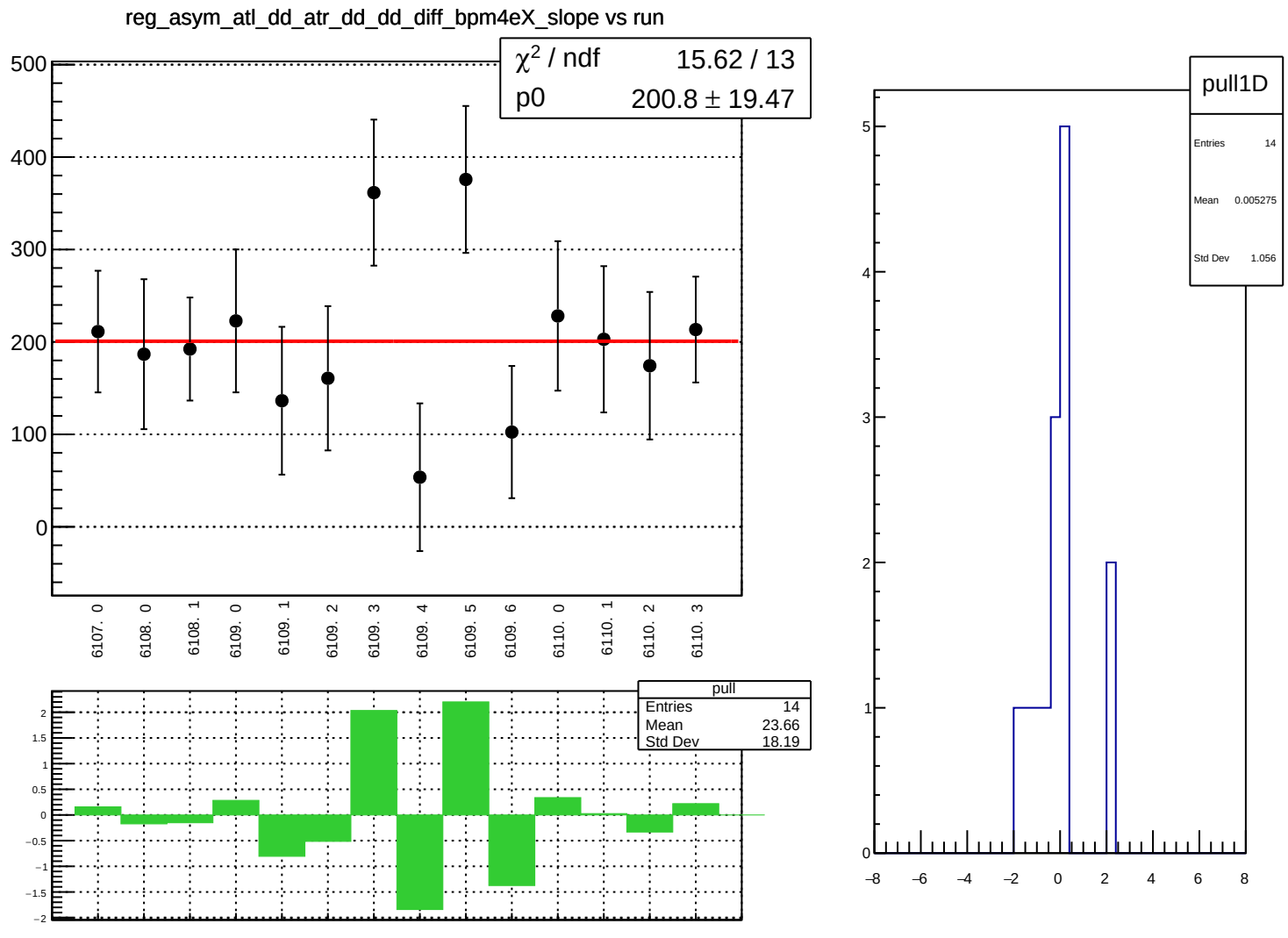

pull1D
Entries 14
Mean −0.02242
Std Dev 1.02
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

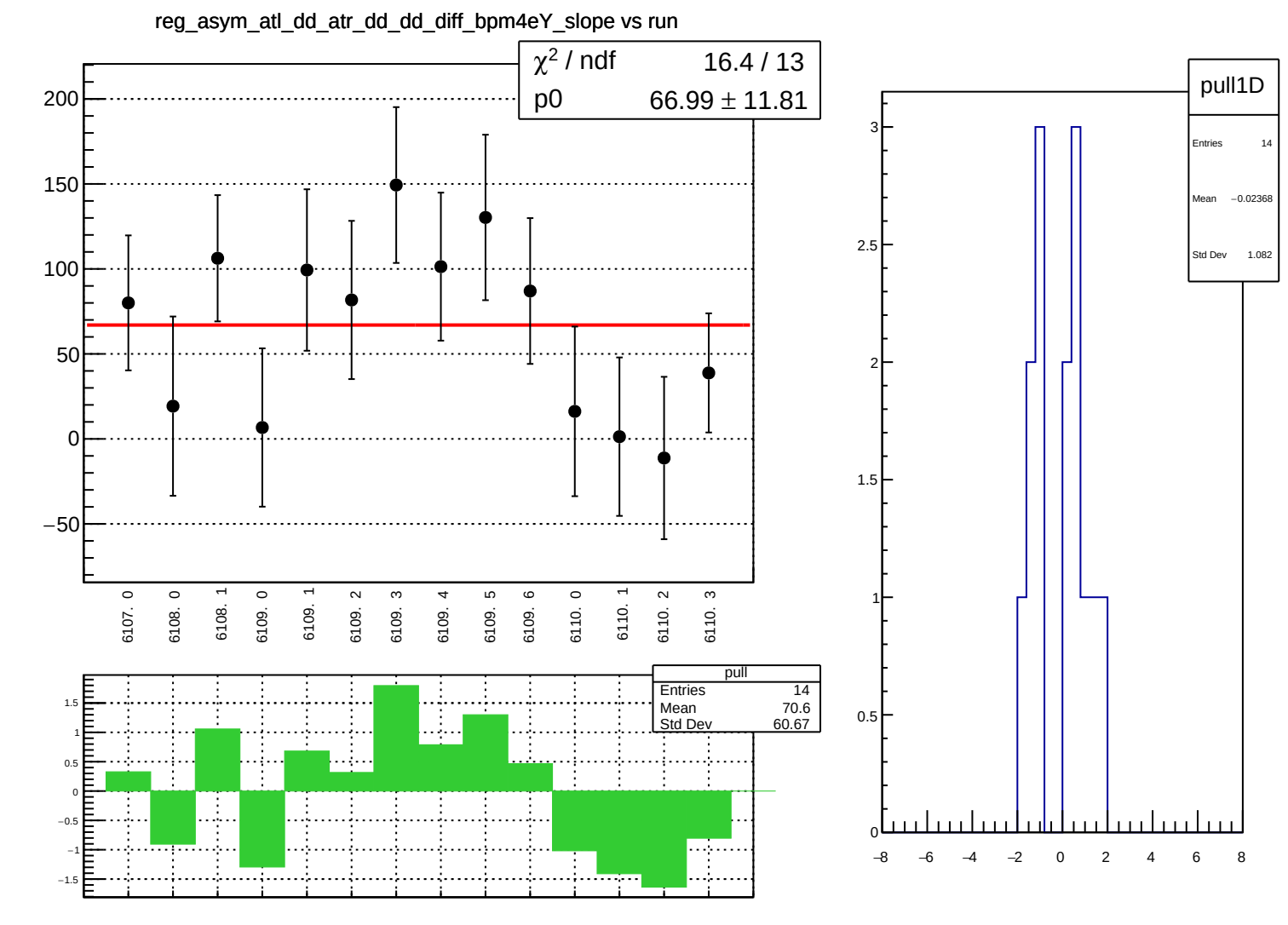

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 5.324 / 13
p0 53.71 ± 0.8377
62
60
58
56
54
52
50
48
46
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 33.23
Std Dev 27.68
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean −0.01293
Std Dev 0.6165
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

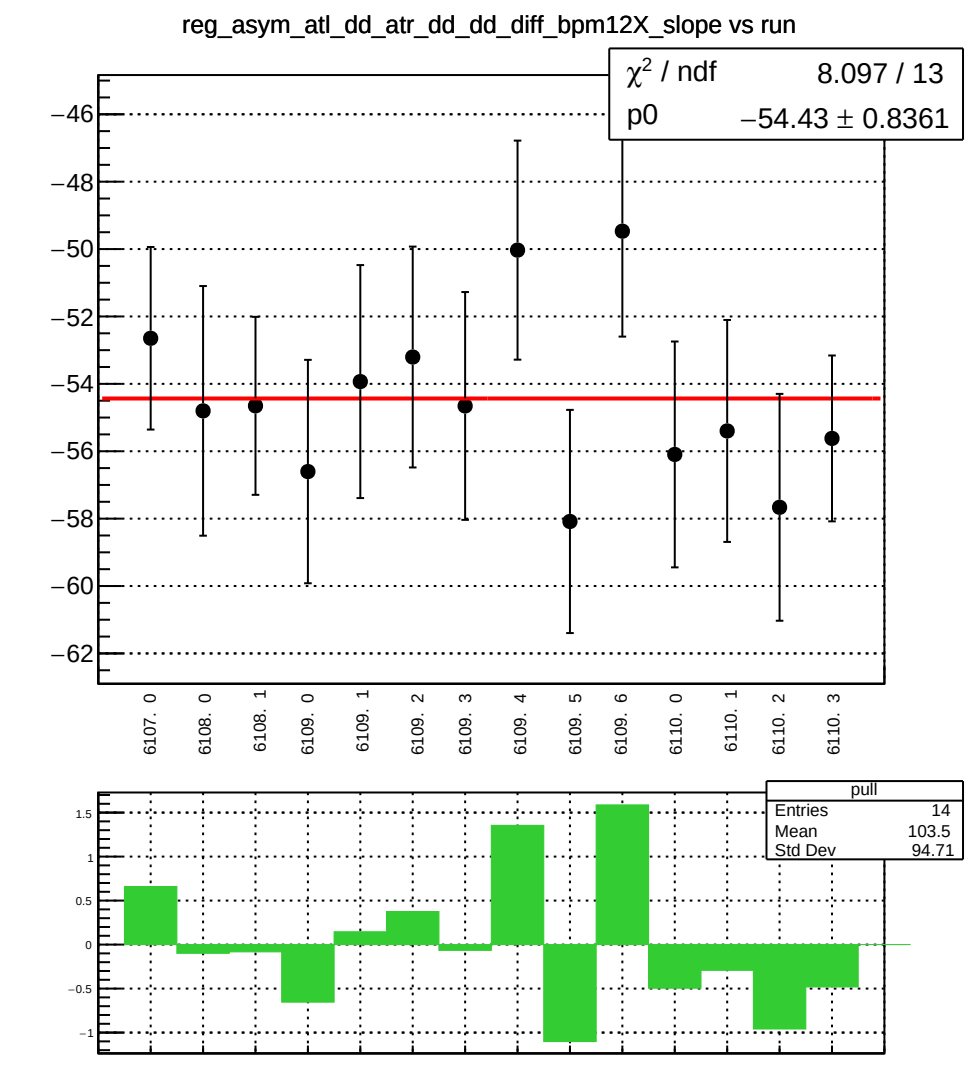

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 15.78 / 13
p0 −127.4 ± 16.73
100
0
−100
−200
−300
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 28.62
Std Dev 22.81
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.007187
Std Dev 1.062
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

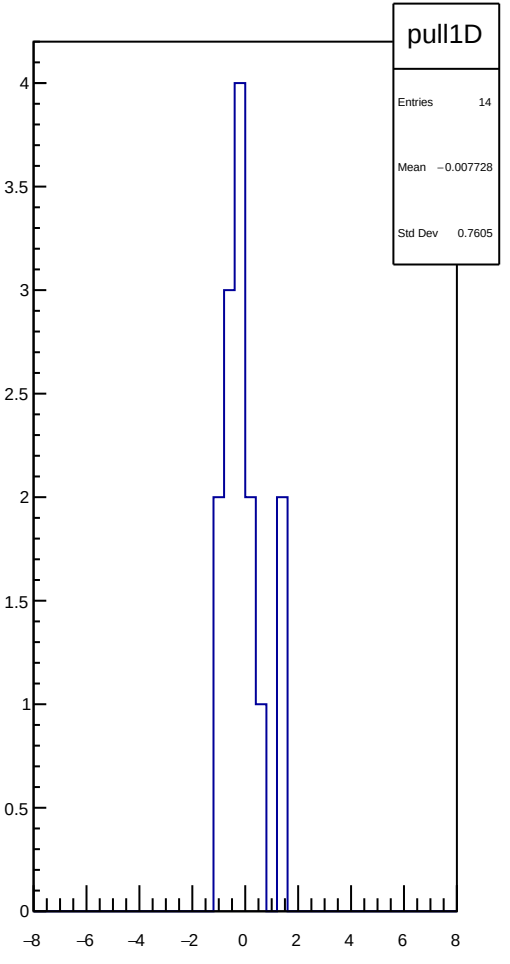

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.58 / 13
p0 −22.02 ± 11.17
100
50
0
−50
−100
−150
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 102.9
Std Dev 92.74
1.5
1
0.5
0
−0.5
−1
−1.5

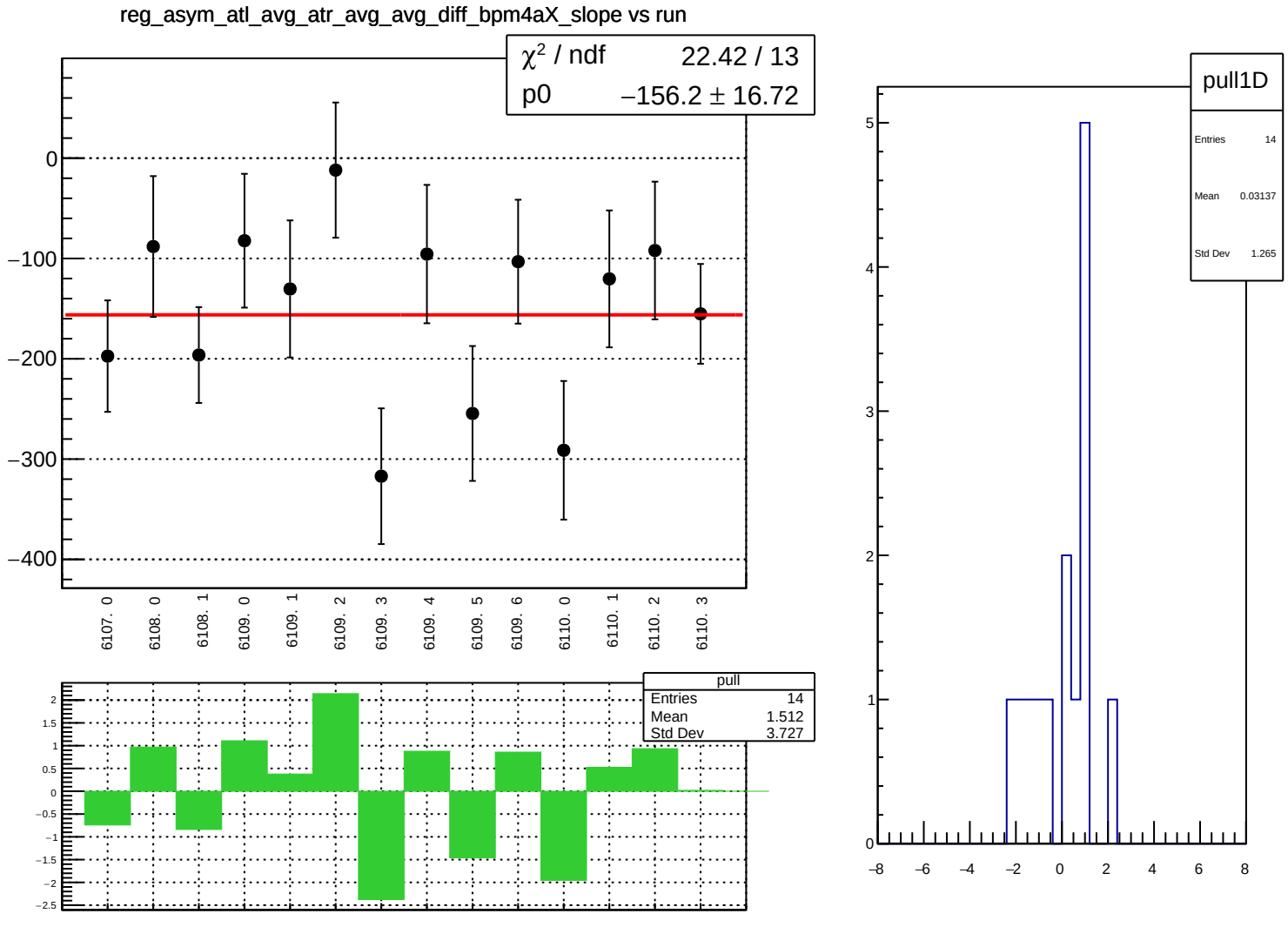

pull1D
Entries 14
Mean 0.01388
Std Dev 1.02
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

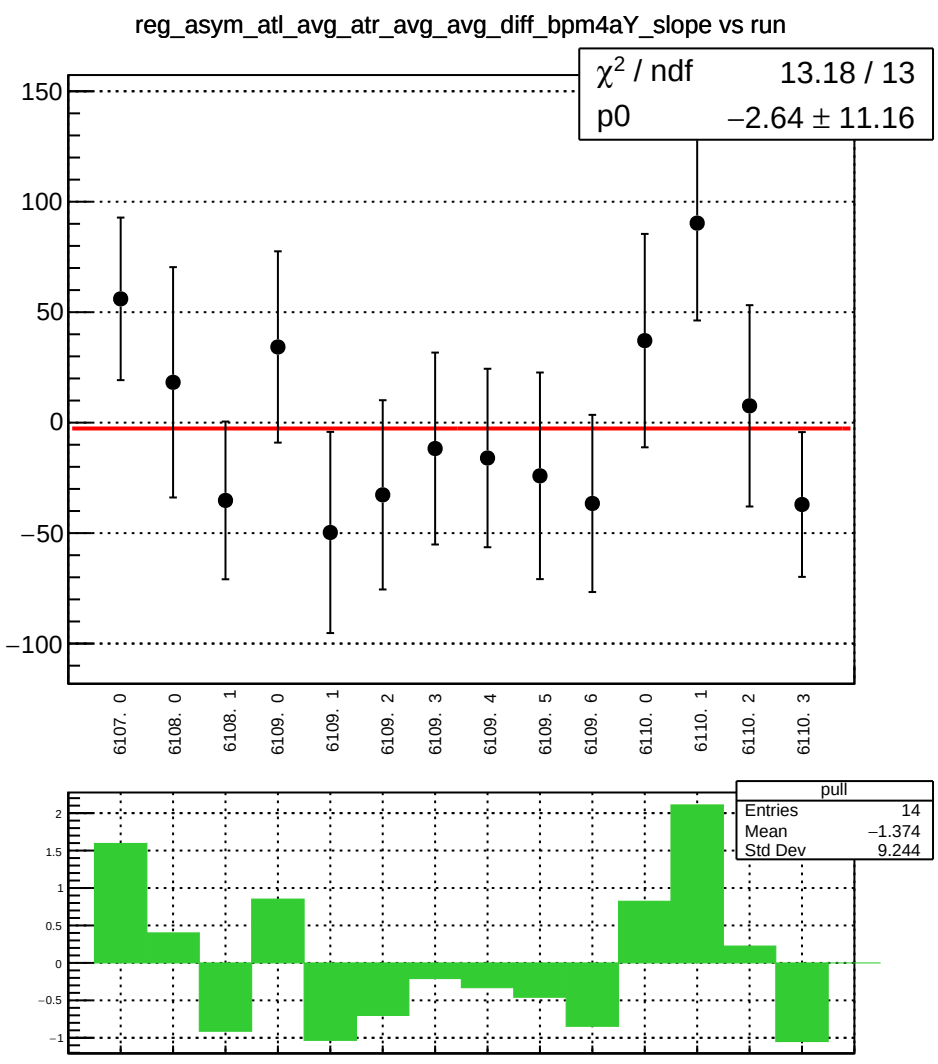

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.62 / 13
p0 200.8 ± 19.47
500
400
300
200
100
0
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.66
Std Dev 18.19
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.005275
Std Dev 1.056
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

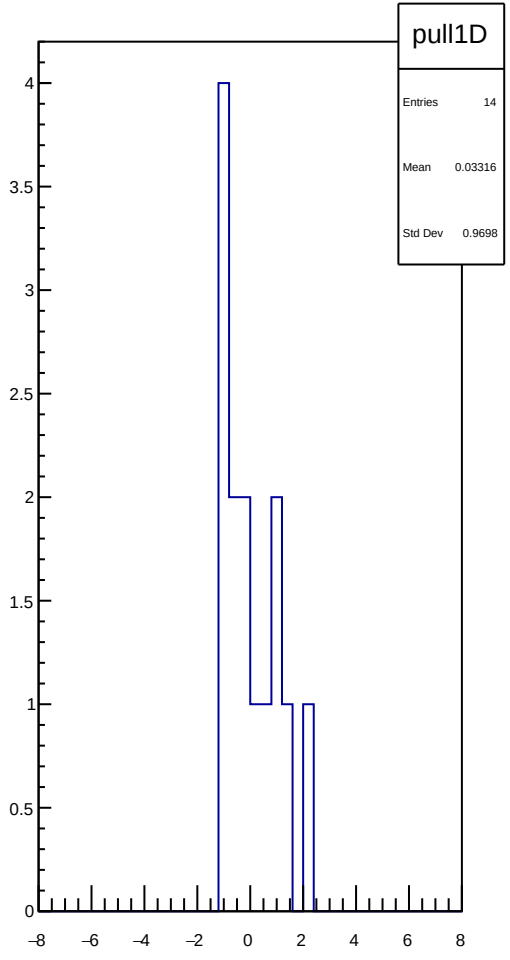

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.4 / 13
p0 66.99 ± 11.81
200
150
100
50
0
−50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 70.6
Std Dev 60.67
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.02368
Std Dev 1.082
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

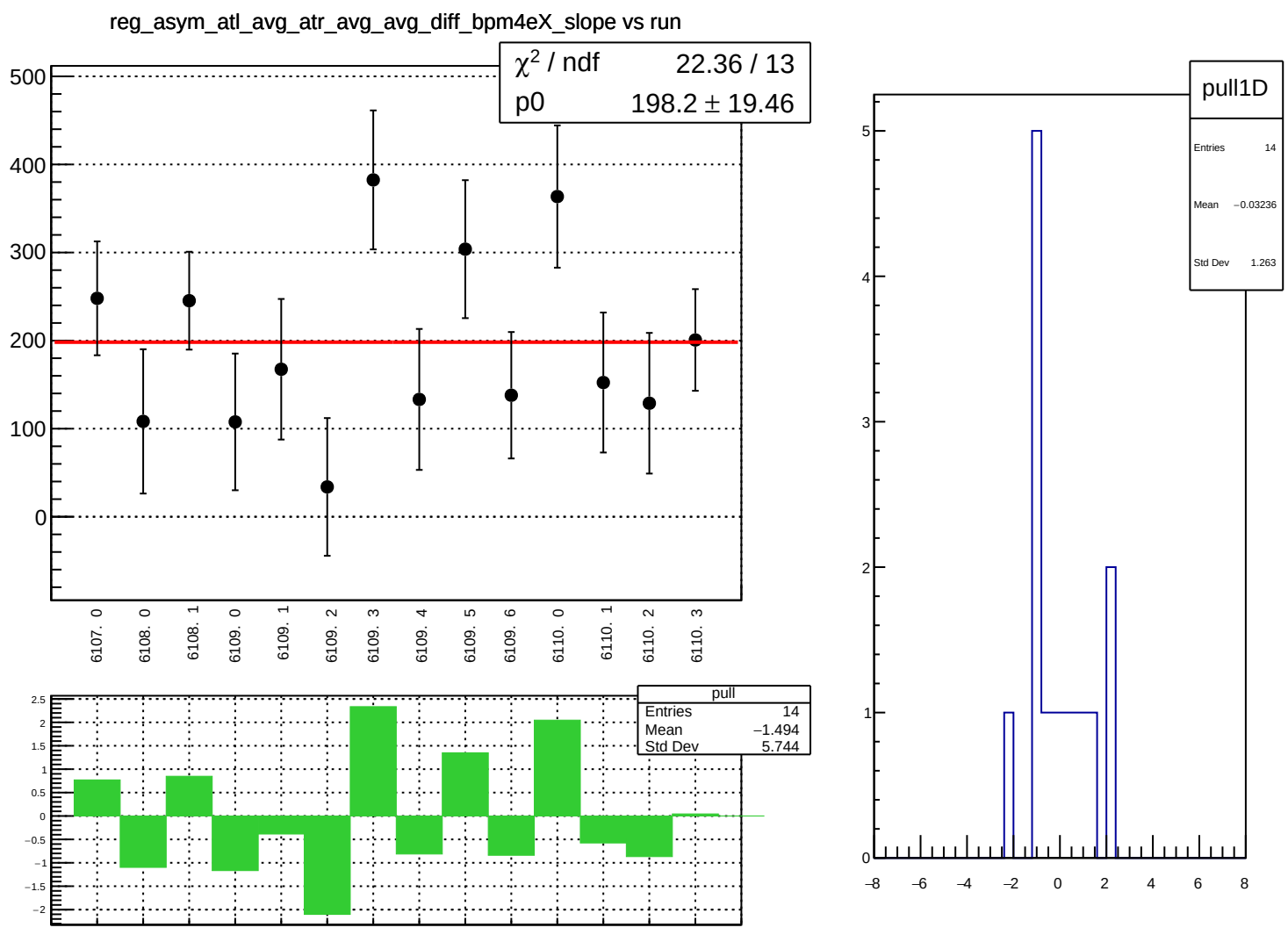

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 8.097 / 13
p0 −54.43 ± 0.8361
−46
−48
−50
−52
−54
−56
−58
−60
−62
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 103.5
Std Dev 94.71
1.5
1
0.5
0
−0.5
−1

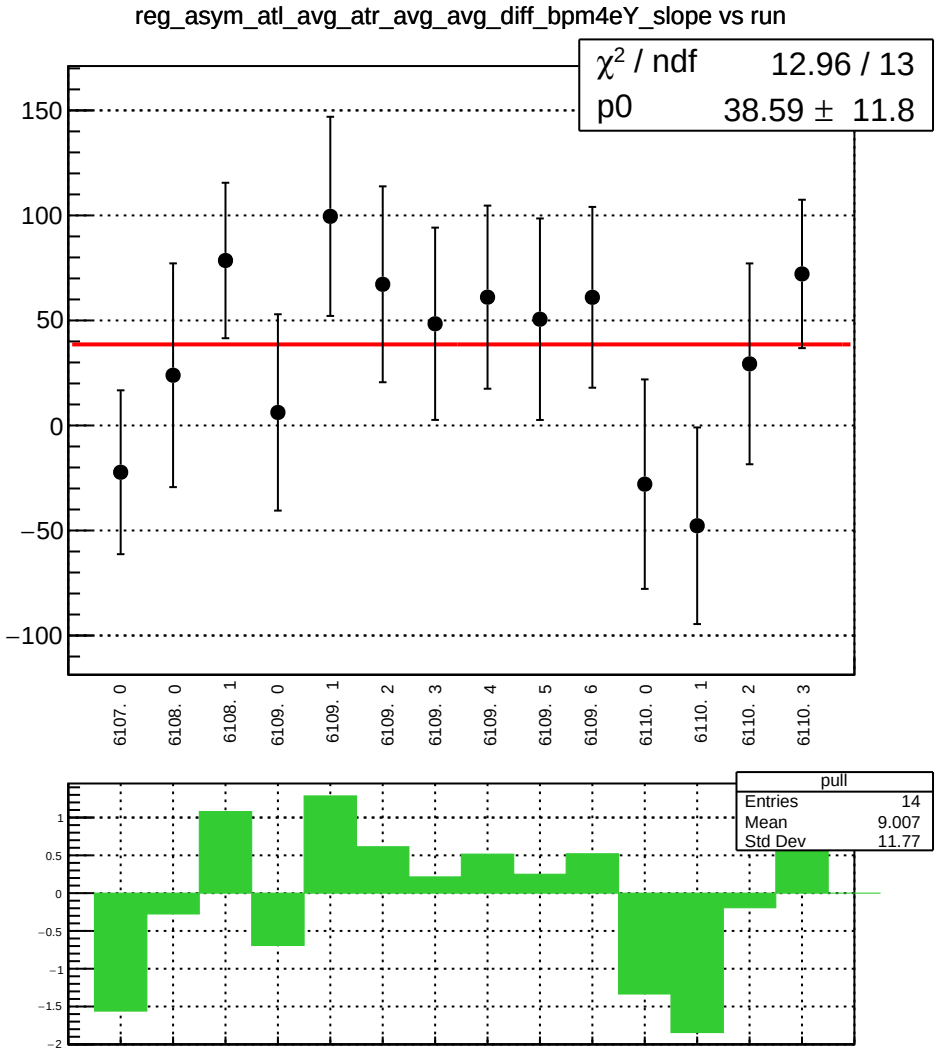

pull1D
Entries 14
Mean −0.007728
Std Dev 0.7605
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

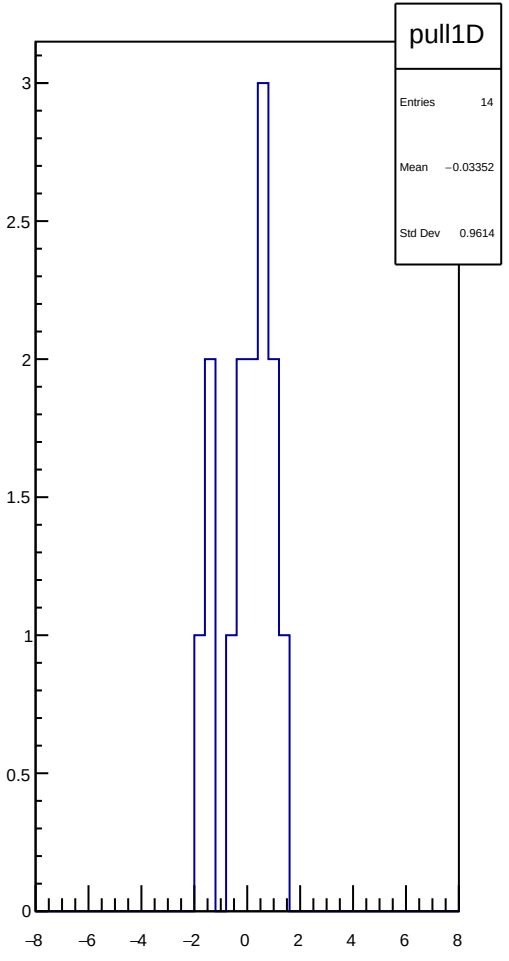

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 22.42 / 13
p0 −156.2 ± 16.72
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1.512
Std Dev 3.727
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 14
Mean 0.03137
Std Dev 1.265
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

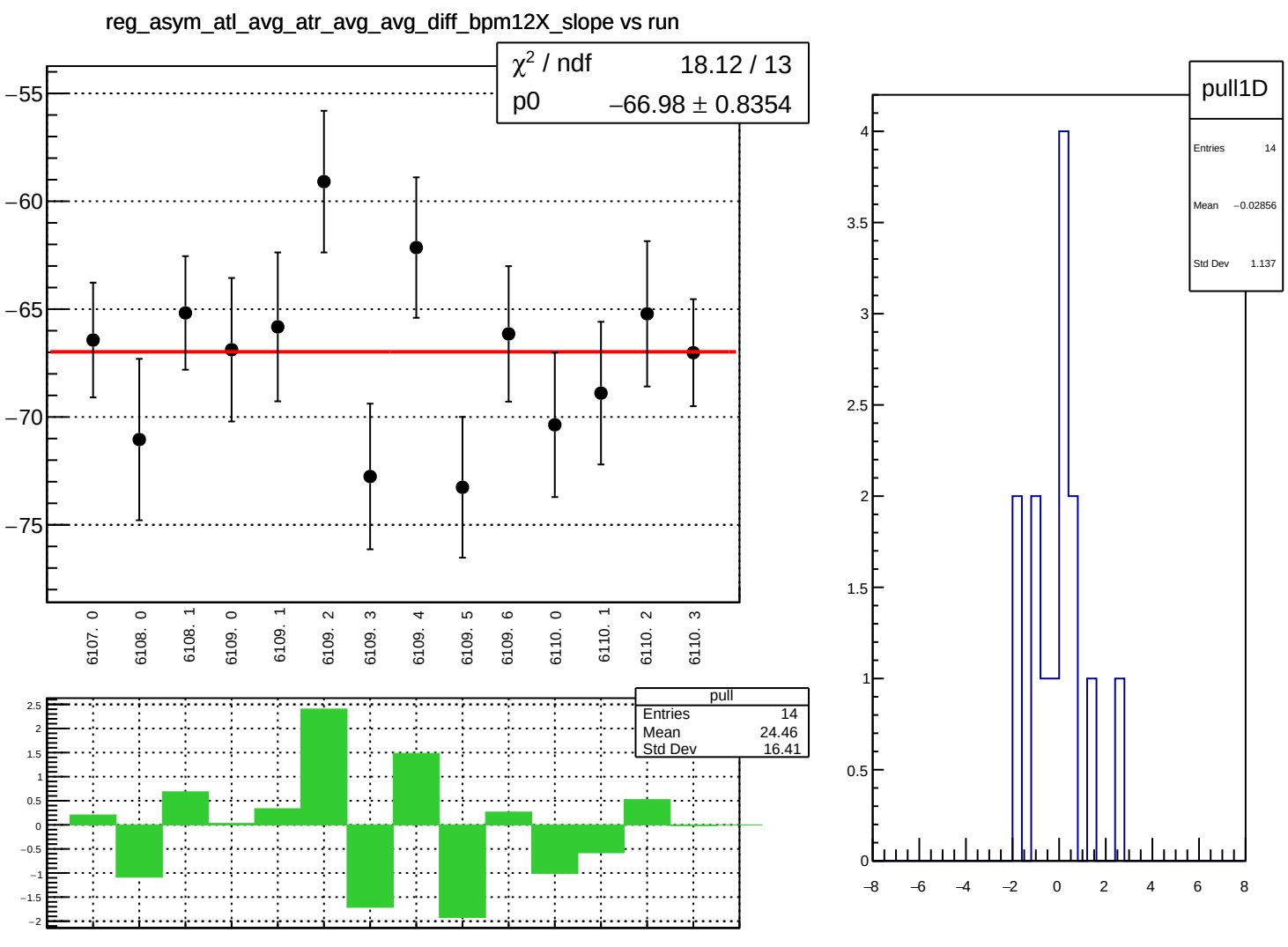

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.18 / 13
p0 −2.64 ± 11.16
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −1.374
Std Dev 9.244
2
1.5
1
0.5
0
−0.5
−1

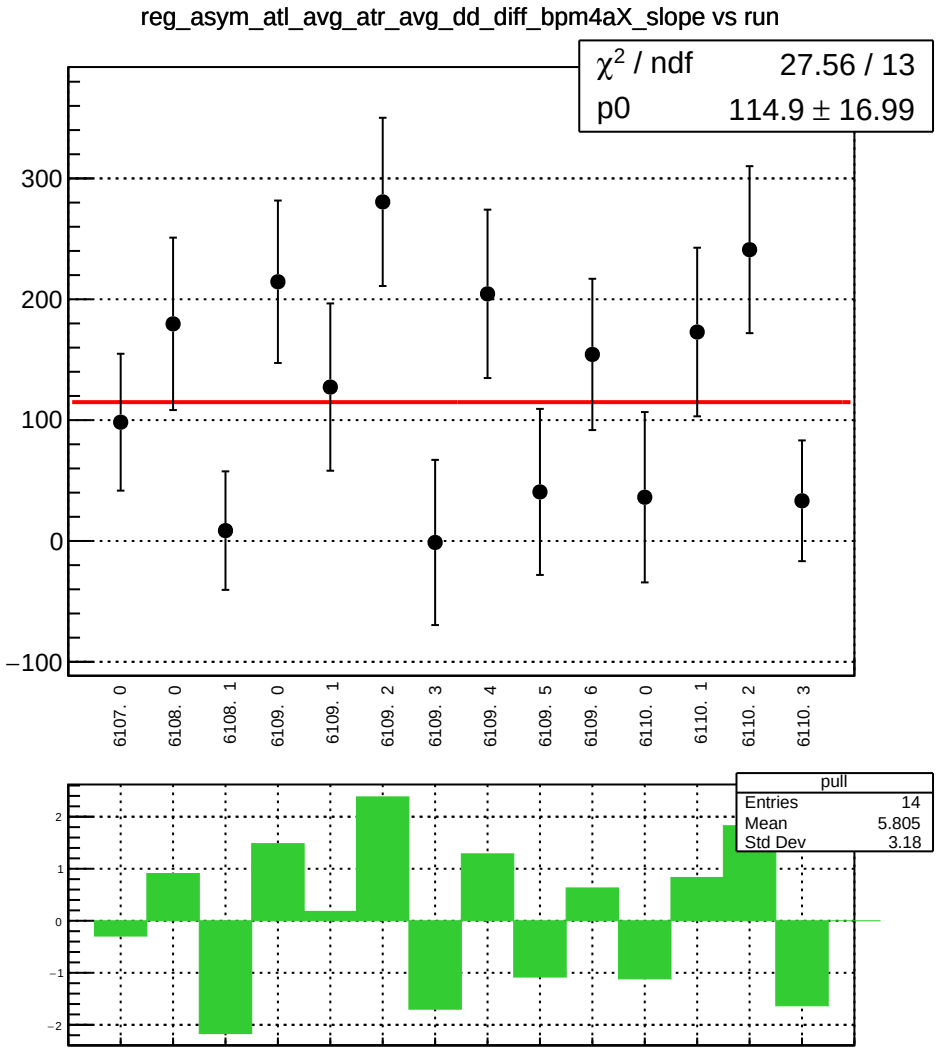

pull1D
Entries 14
Mean 0.03316
Std Dev 0.9698
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

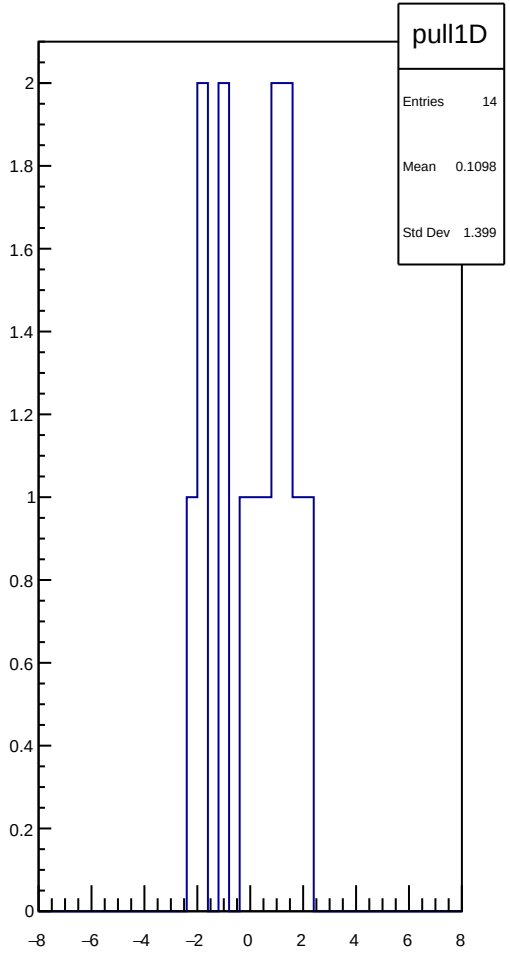

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.36 / 13
p0 198.2 ± 19.46
500
400
300
200
100
0
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −1.494
Std Dev 5.744
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.03236
Std Dev 1.263
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

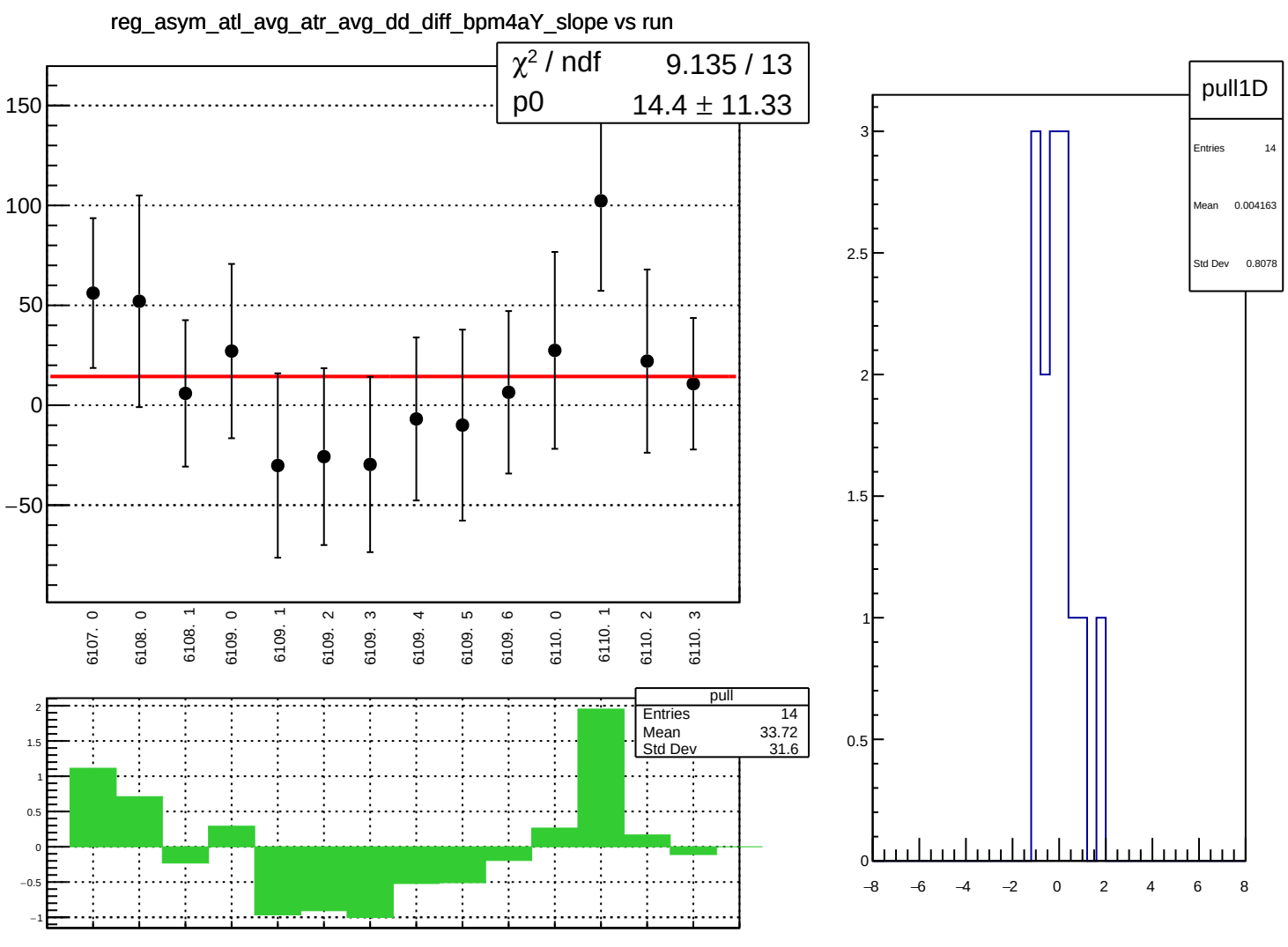

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.96 / 13
p0 38.59 ± 11.8
150
100
50
0
−50
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 9.007
Std Dev 11.77
1
0.5
0
−0.5
−1
−1.5
−2

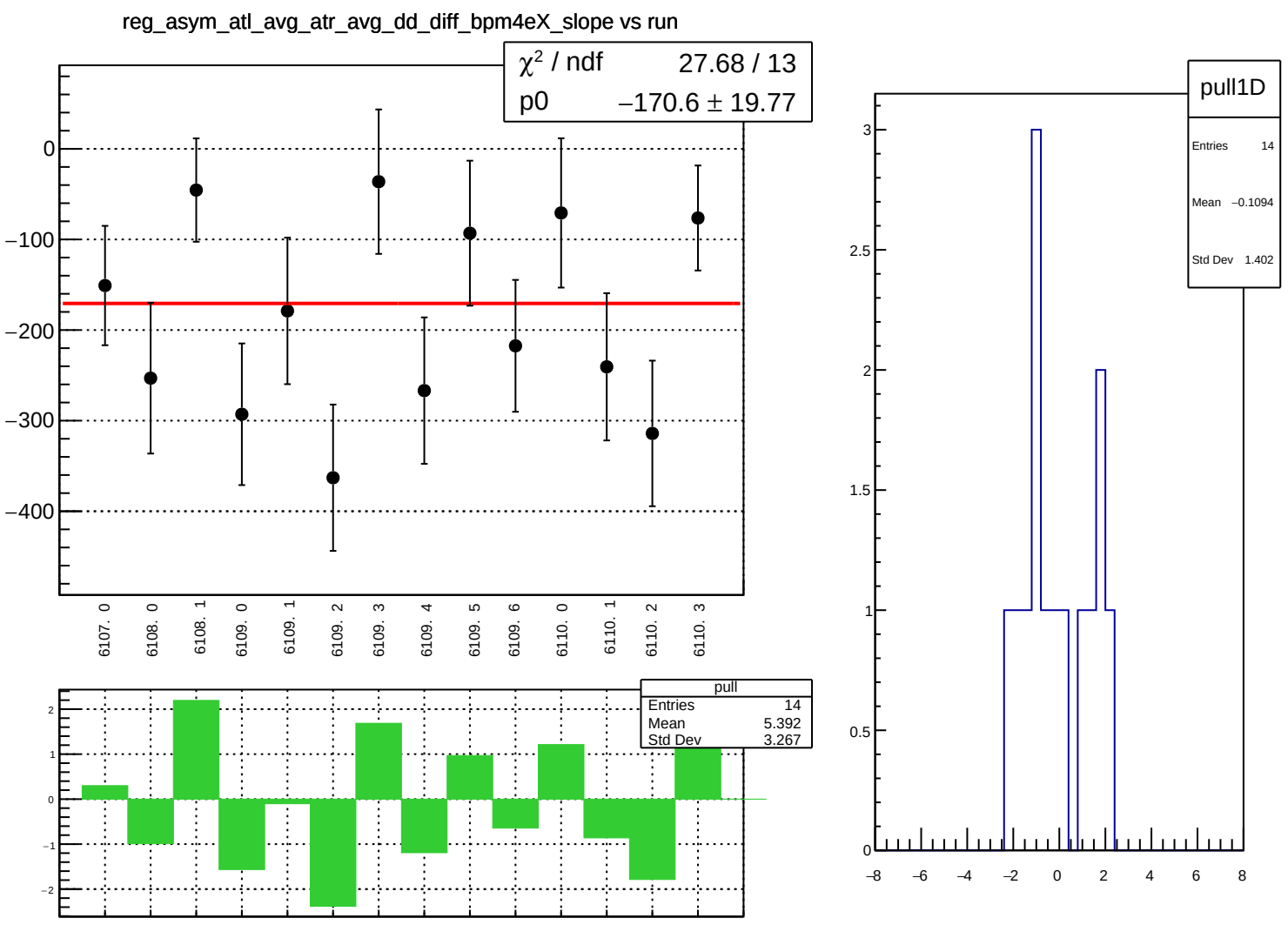

pull1D
Entries 14
Mean −0.03352
Std Dev 0.9614
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

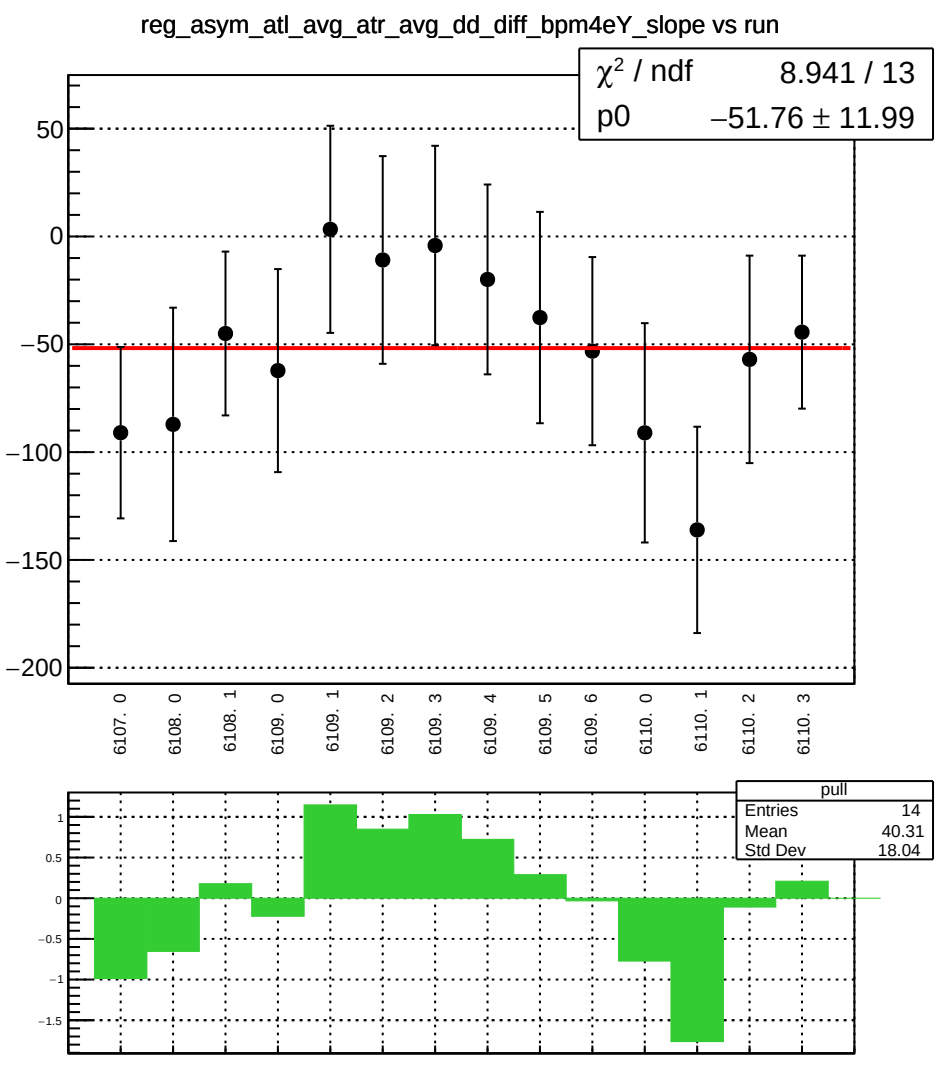

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 18.12 / 13
p0 −66.98 ± 0.8354
−55
−60
−65
−70
−75
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 24.46
Std Dev 16.41
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.02856
Std Dev 1.137
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

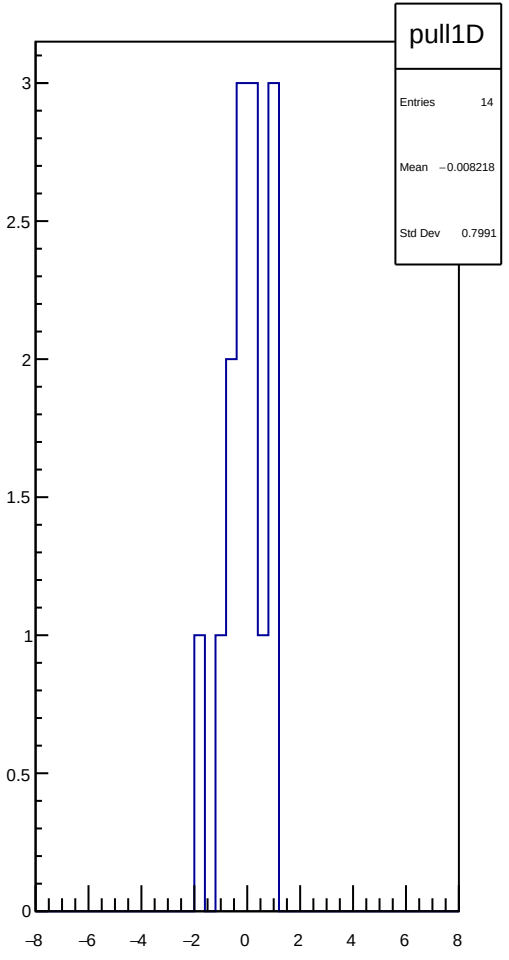

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 27.56 / 13
p0 114.9 ± 16.99
300
200
100
0
−100
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.805
Std Dev 3.18
2
1
0
−1
−2

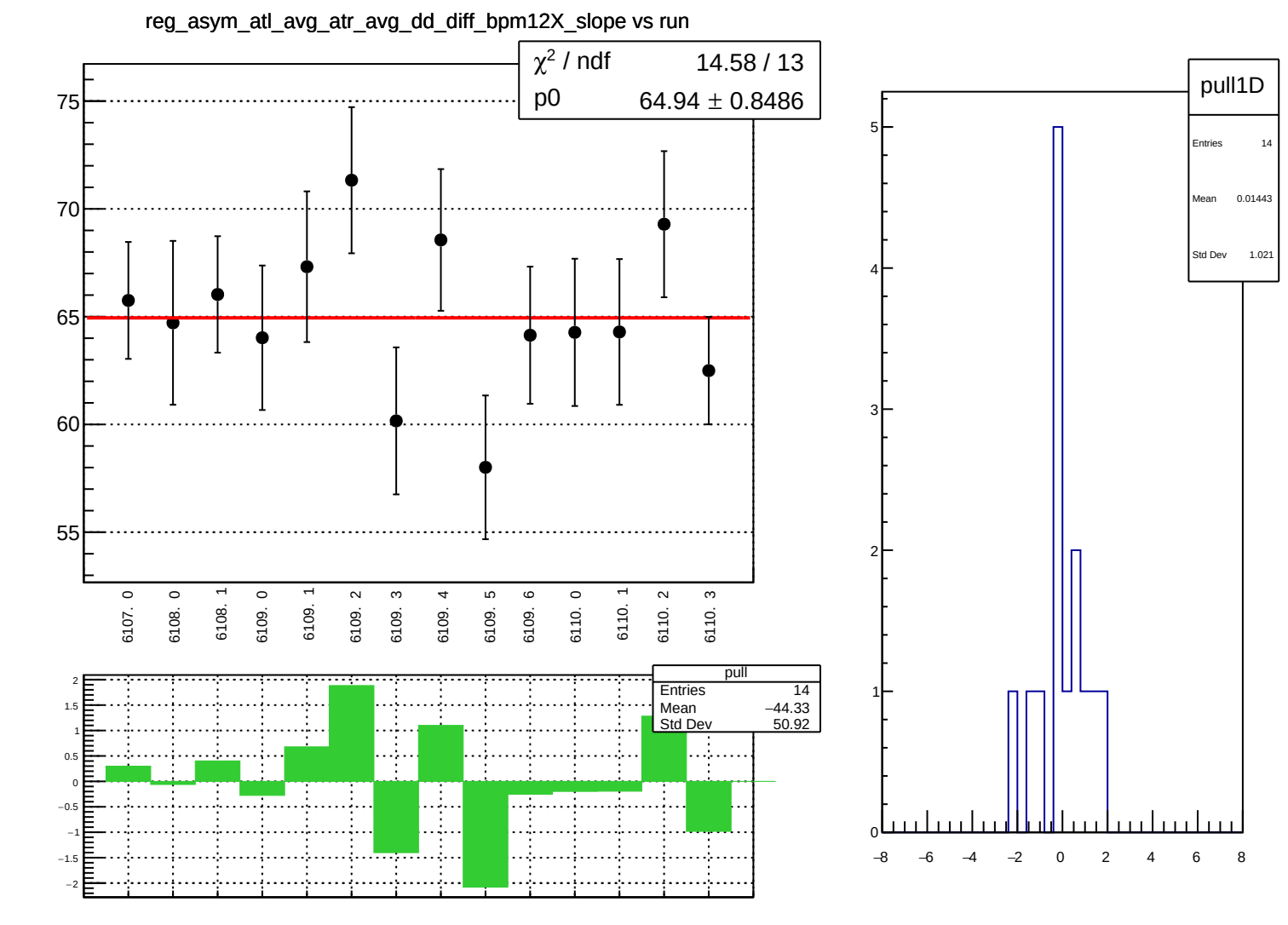

pull1D
Entries 14
Mean 0.1098
Std Dev 1.399
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

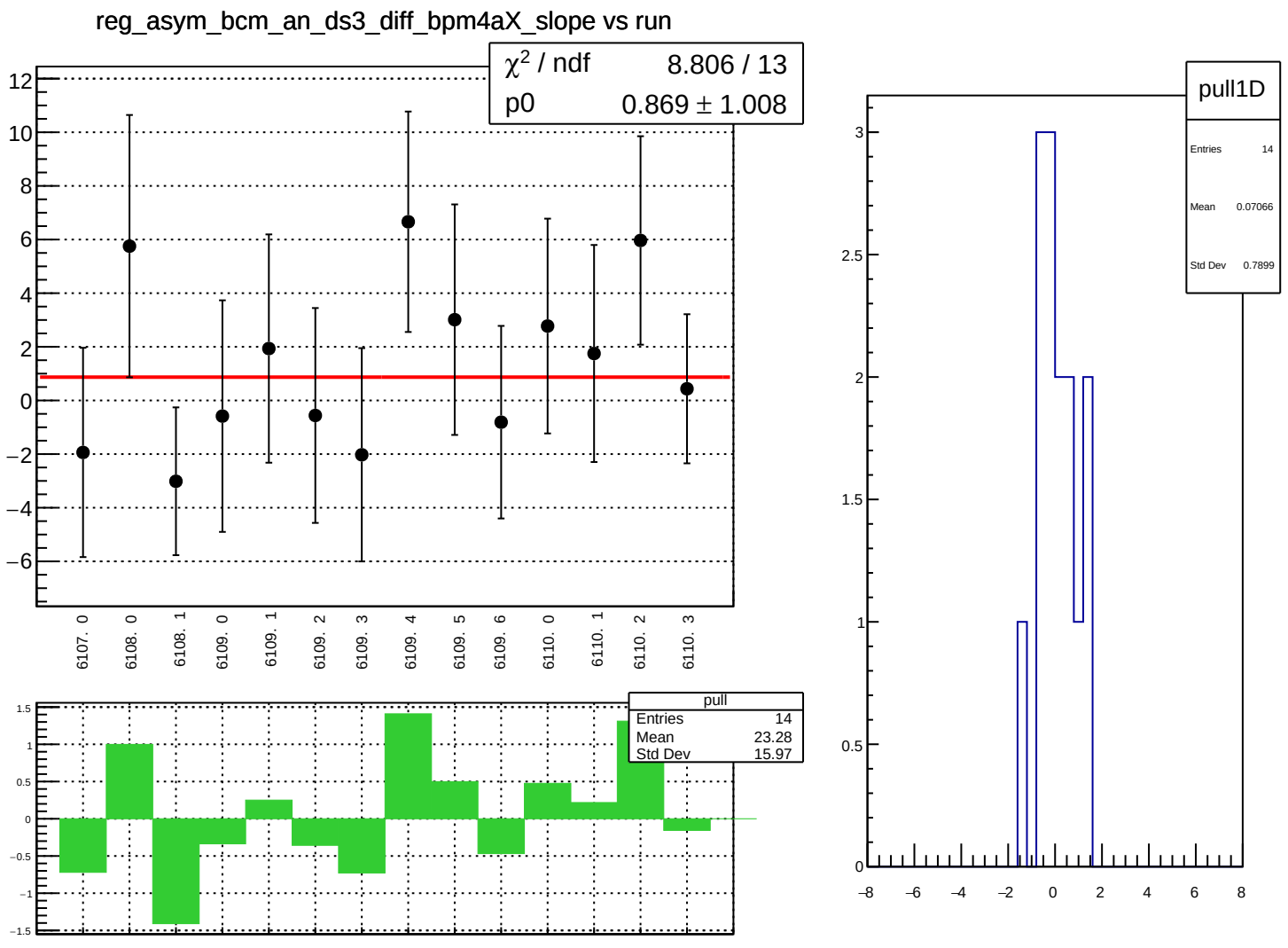

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.135 / 13
p0 14.4 ± 11.33
150
100
50
0
−50
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 33.72
Std Dev 31.6
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean 0.004163
Std Dev 0.8078
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

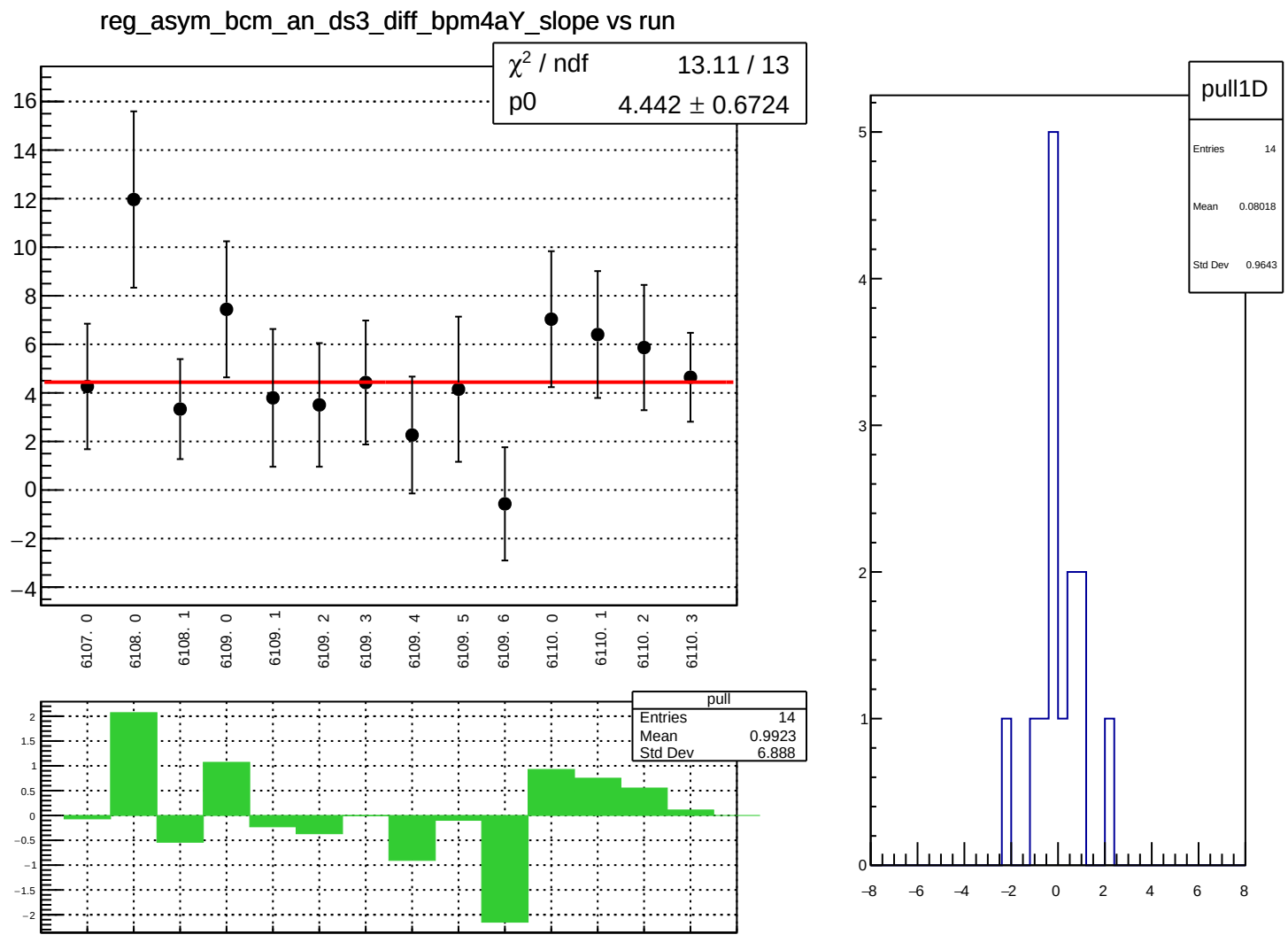

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.68 / 13
p0 −170.6 ± 19.77
0
−100
−200
−300
−400
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 5.392
Std Dev 3.267
2
1
0
−1
−2
pull1D
Entries 14
Mean −0.1094
Std Dev 1.402
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

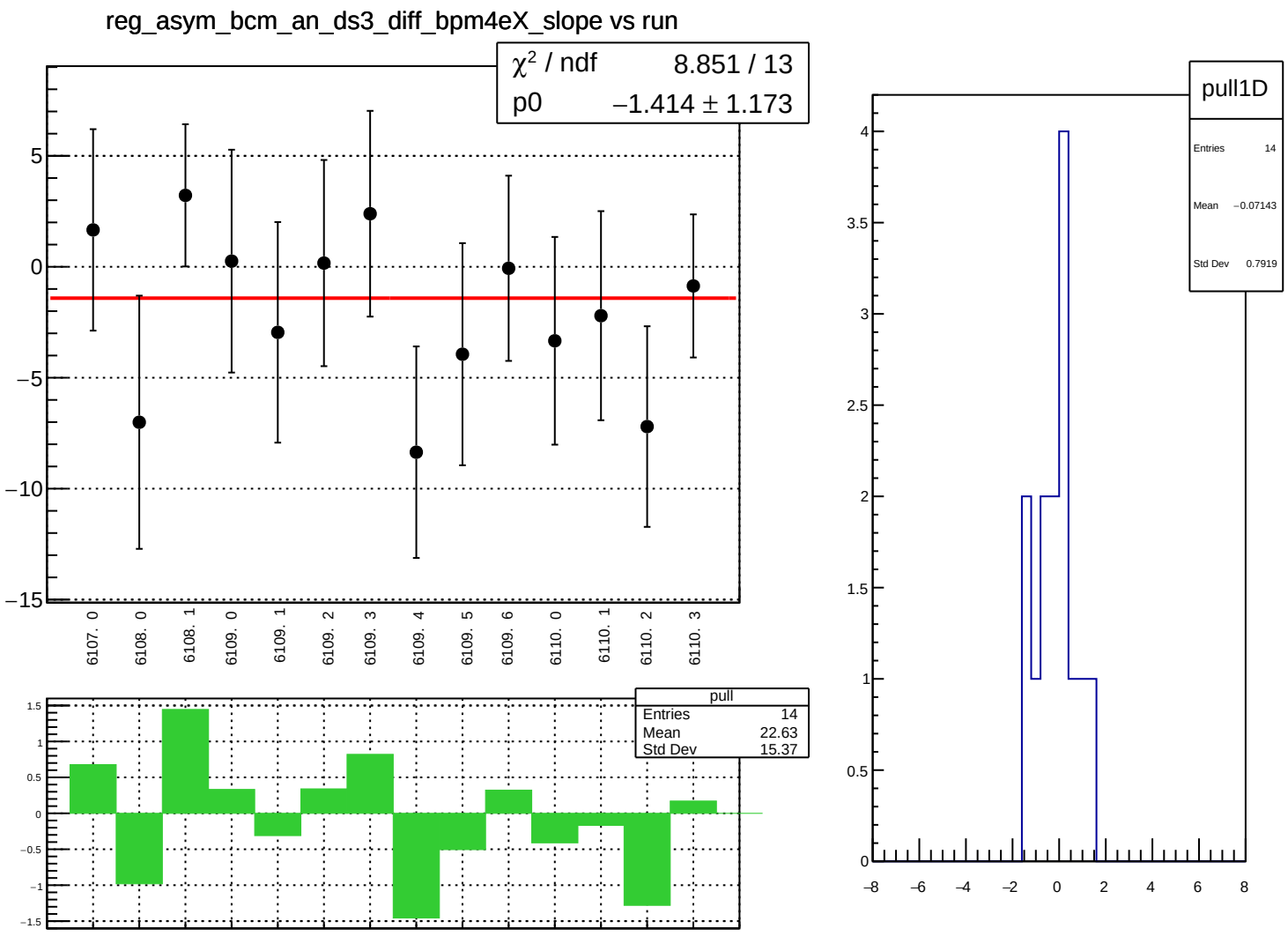

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.941 / 13
p0 −51.76 ± 11.99
50
0
−50
−100
−150
−200
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 40.31
Std Dev 18.04
1
0.5
0
−0.5
−1
−1.5

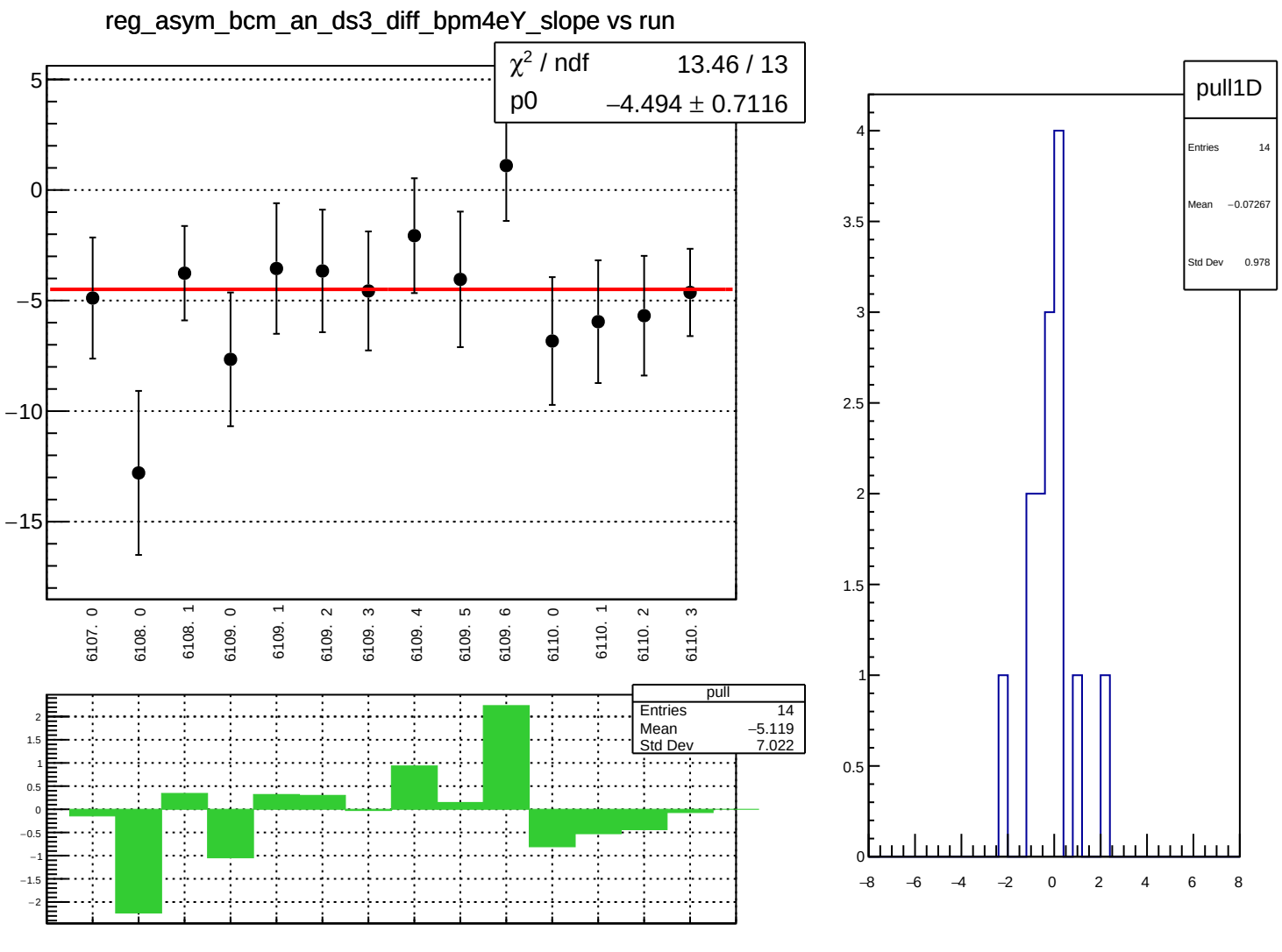

pull1D
Entries 14
Mean −0.008218
Std Dev 0.7991
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

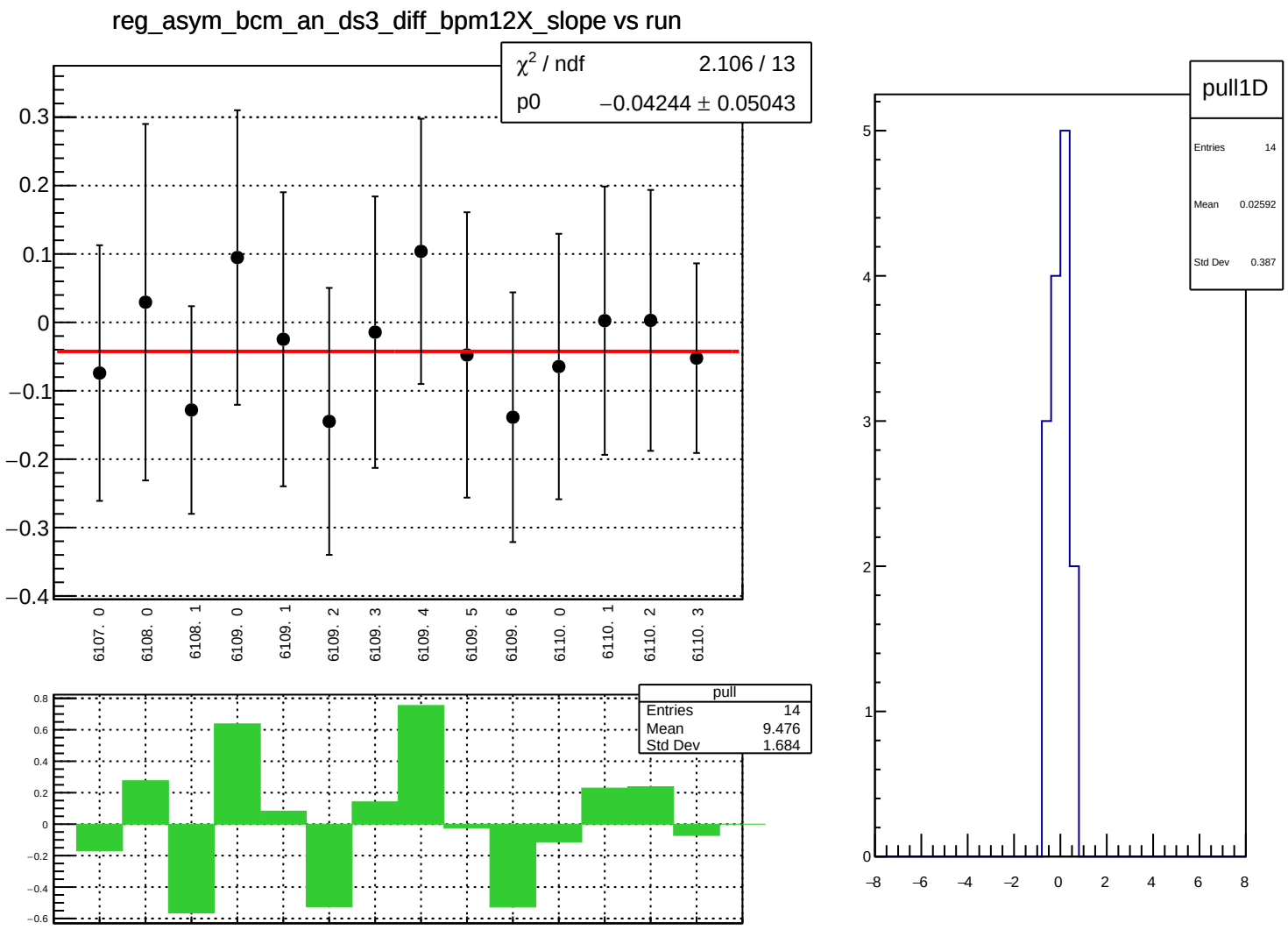

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 14.58 / 13
p0 64.94 ± 0.8486
75
70
65
60
55
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −44.33
Std Dev 50.92
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.01443
Std Dev 1.021
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

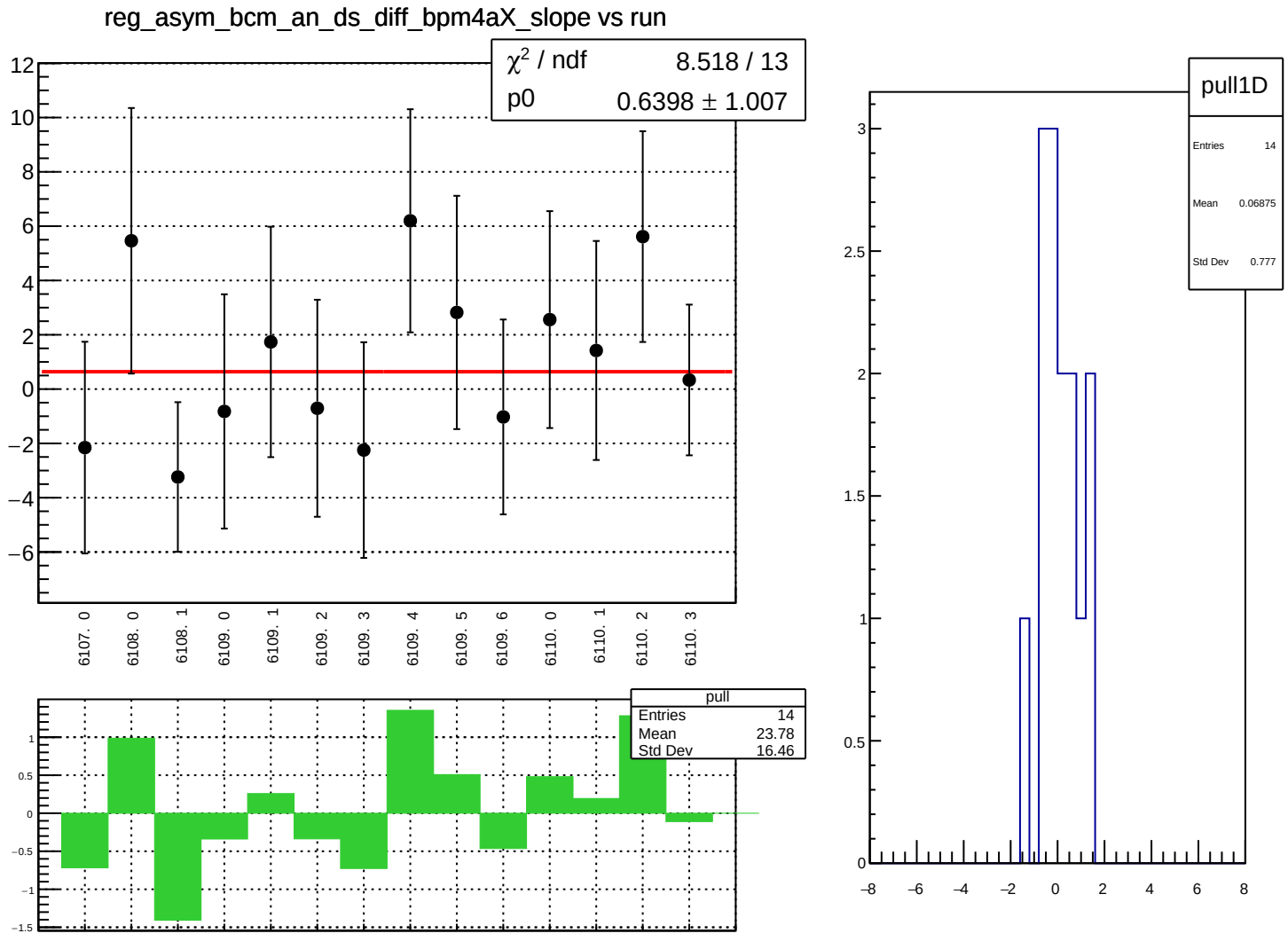

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 8.806 / 13
p0 0.869 ± 1.008
12
10
8
6
4
2
0
−2
−4
−6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.28
Std Dev 15.97
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.07066
Std Dev 0.7899
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

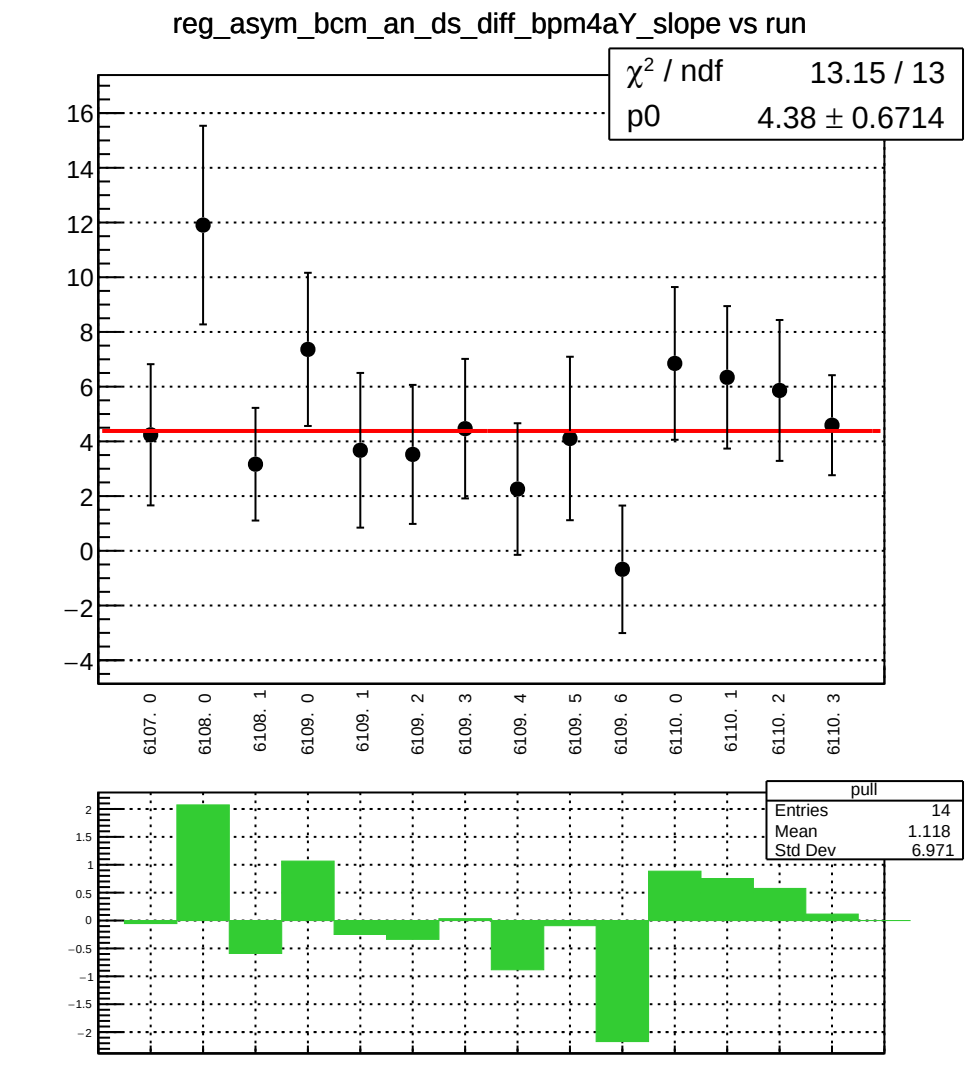

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 13.11 / 13
p0 4.442 ± 0.6724
16
14
12
10
8
6
4
2
0
−2
−4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 0.9923
Std Dev 6.888
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.08018
Std Dev 0.9643
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

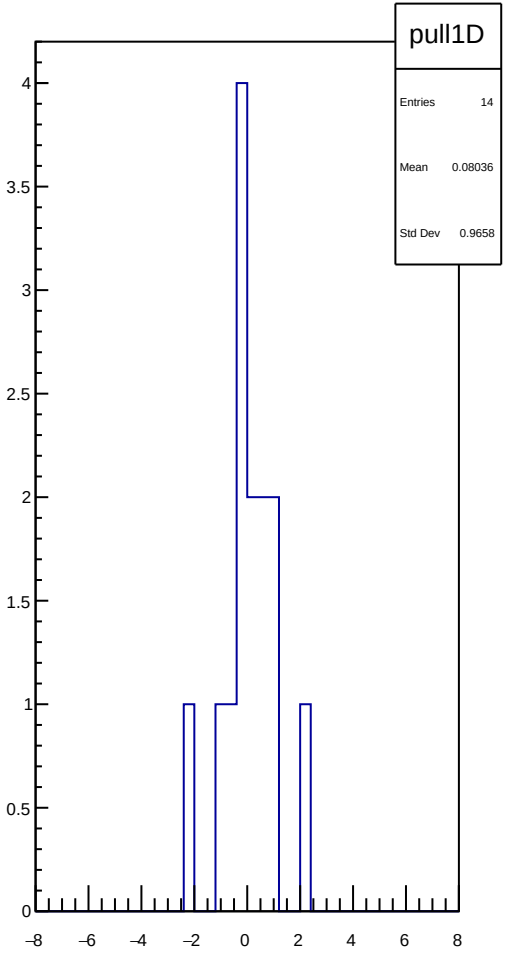

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 8.851 / 13
p0 −1.414 ± 1.173
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.63
Std Dev 15.37
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.07143
Std Dev 0.7919
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

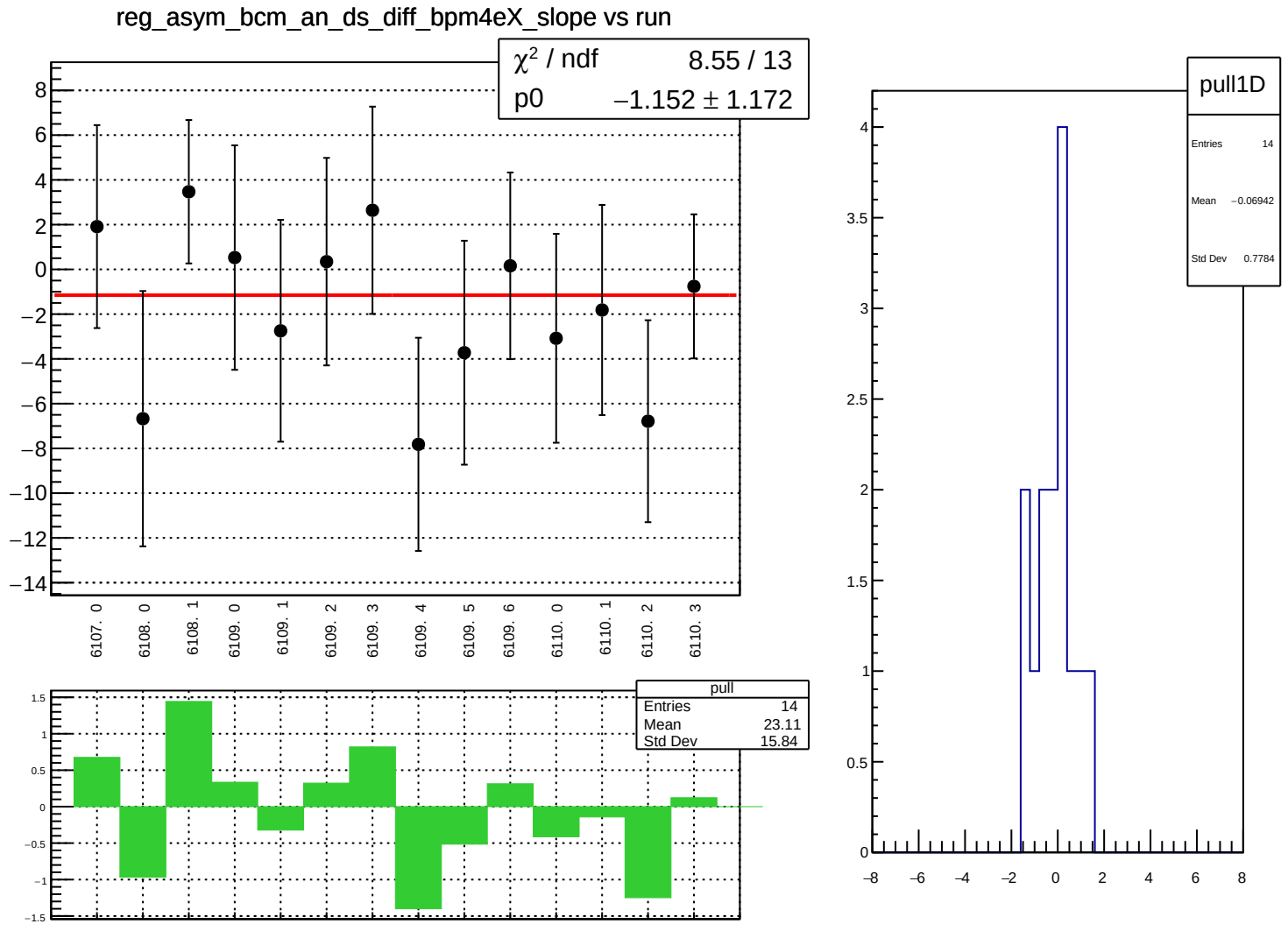

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 13.46 / 13
p0 −4.494 ± 0.7116
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −5.119
Std Dev 7.022
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.07267
Std Dev 0.978
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

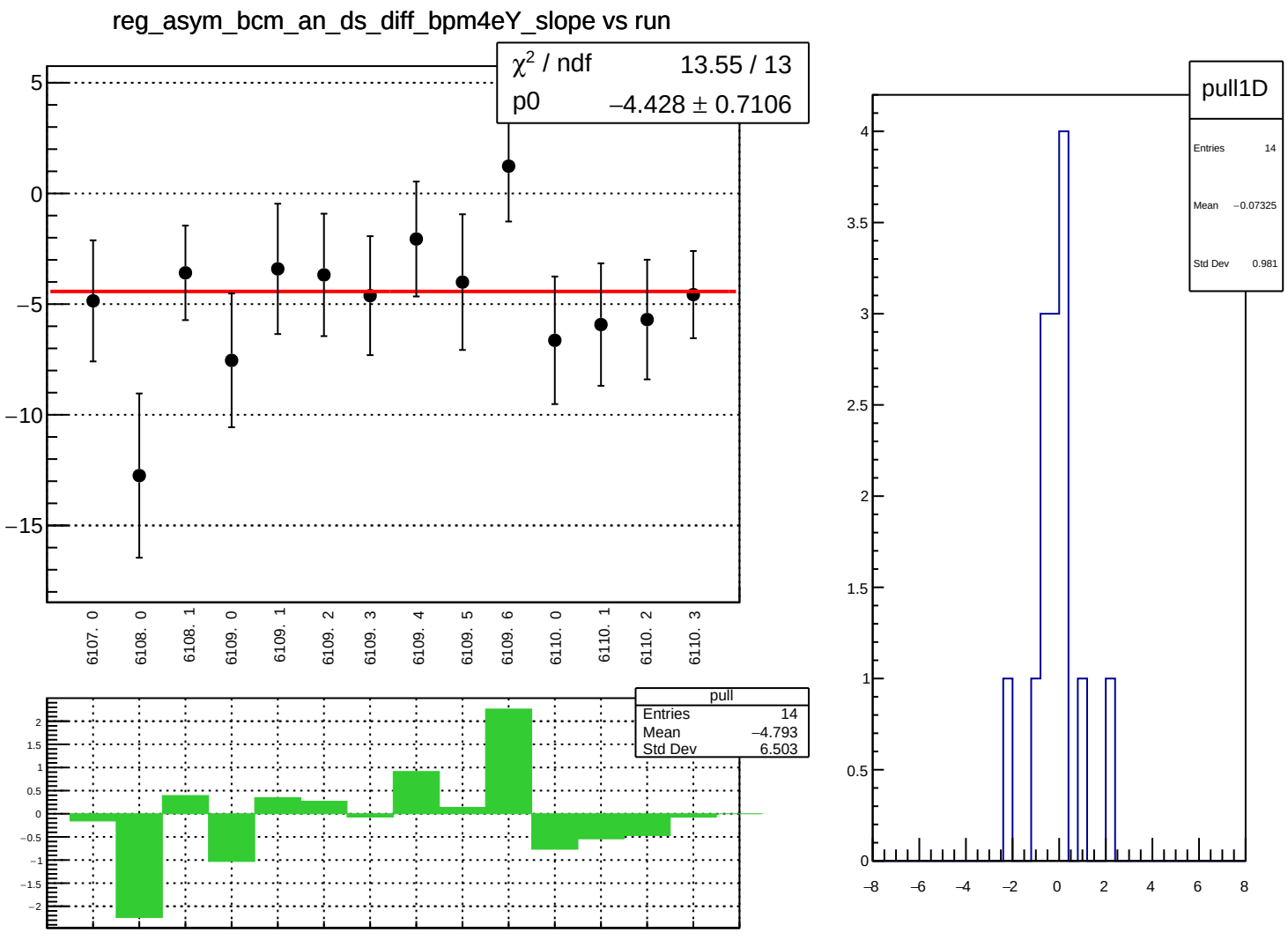

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 2.106 / 13
p0 −0.04244 ± 0.05043
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 9.476
Std Dev 1.684
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean 0.02592
Std Dev 0.387
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

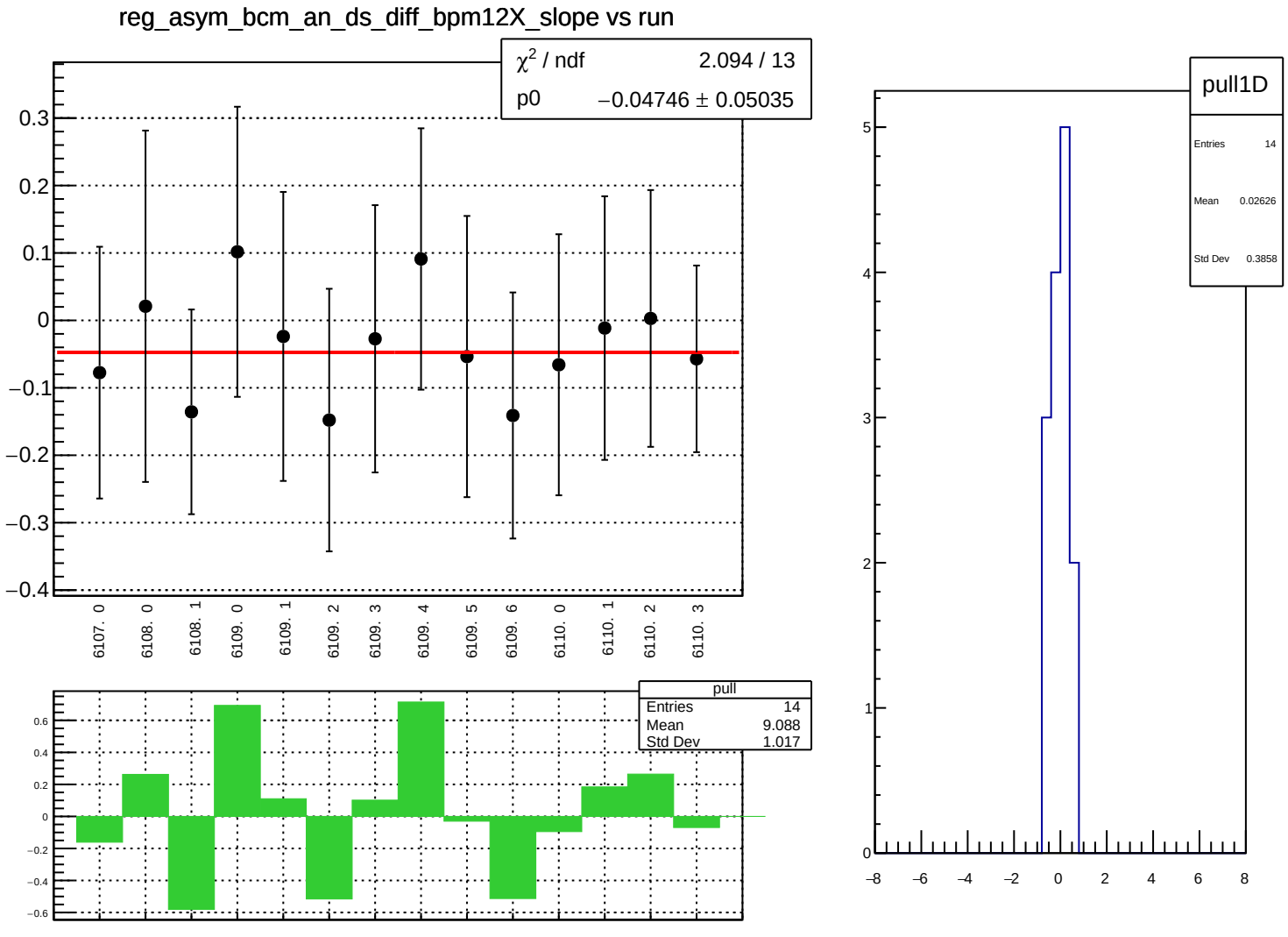

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 8.518 / 13
p0 0.6398 ± 1.007
12
10
8
6
4
2
0
−2
−4
−6
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.78
Std Dev 16.46
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.06875
Std Dev 0.777
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

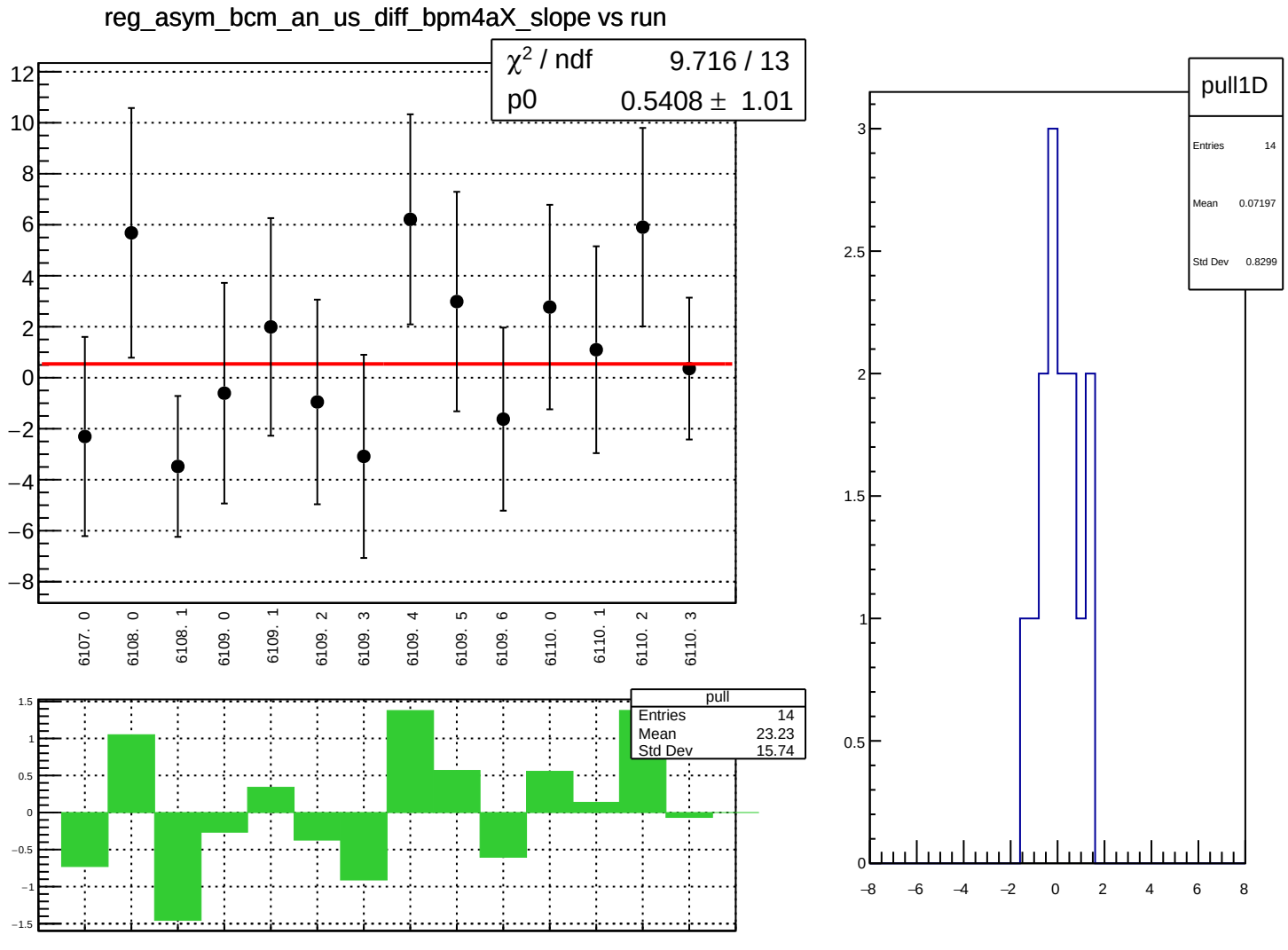

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 13.15 / 13
p0 4.38 ± 0.6714
16
14
12
10
8
6
4
2
0
−2
−4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1.118
Std Dev 6.971
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

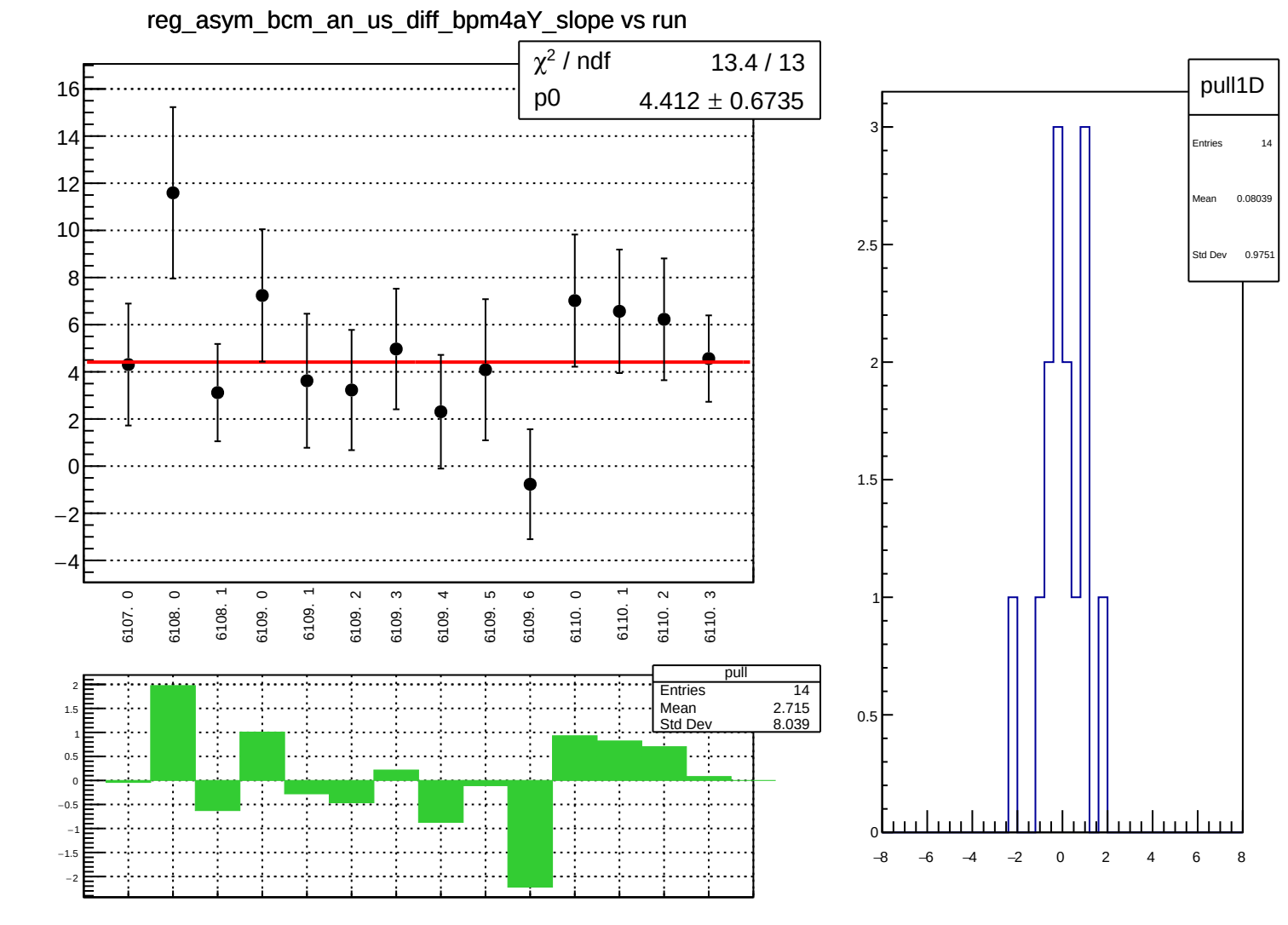

pull1D
Entries 14
Mean 0.08036
Std Dev 0.9658
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

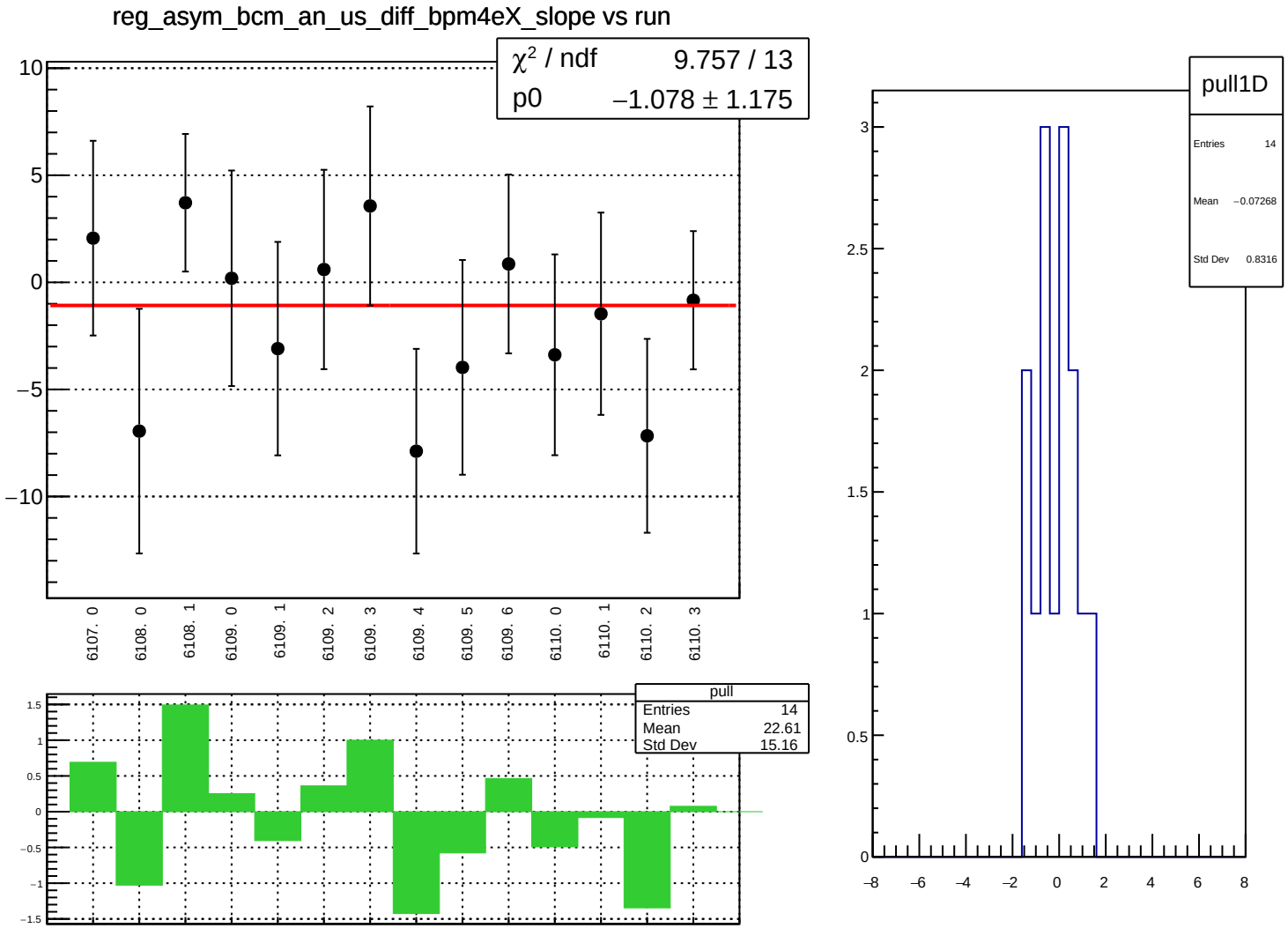

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 8.55 / 13
p0 −1.152 ± 1.172
8
6
4
2
0
−2
−4
−6
−8
−10
−12
−14
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.11
Std Dev 15.84
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.06942
Std Dev 0.7784
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

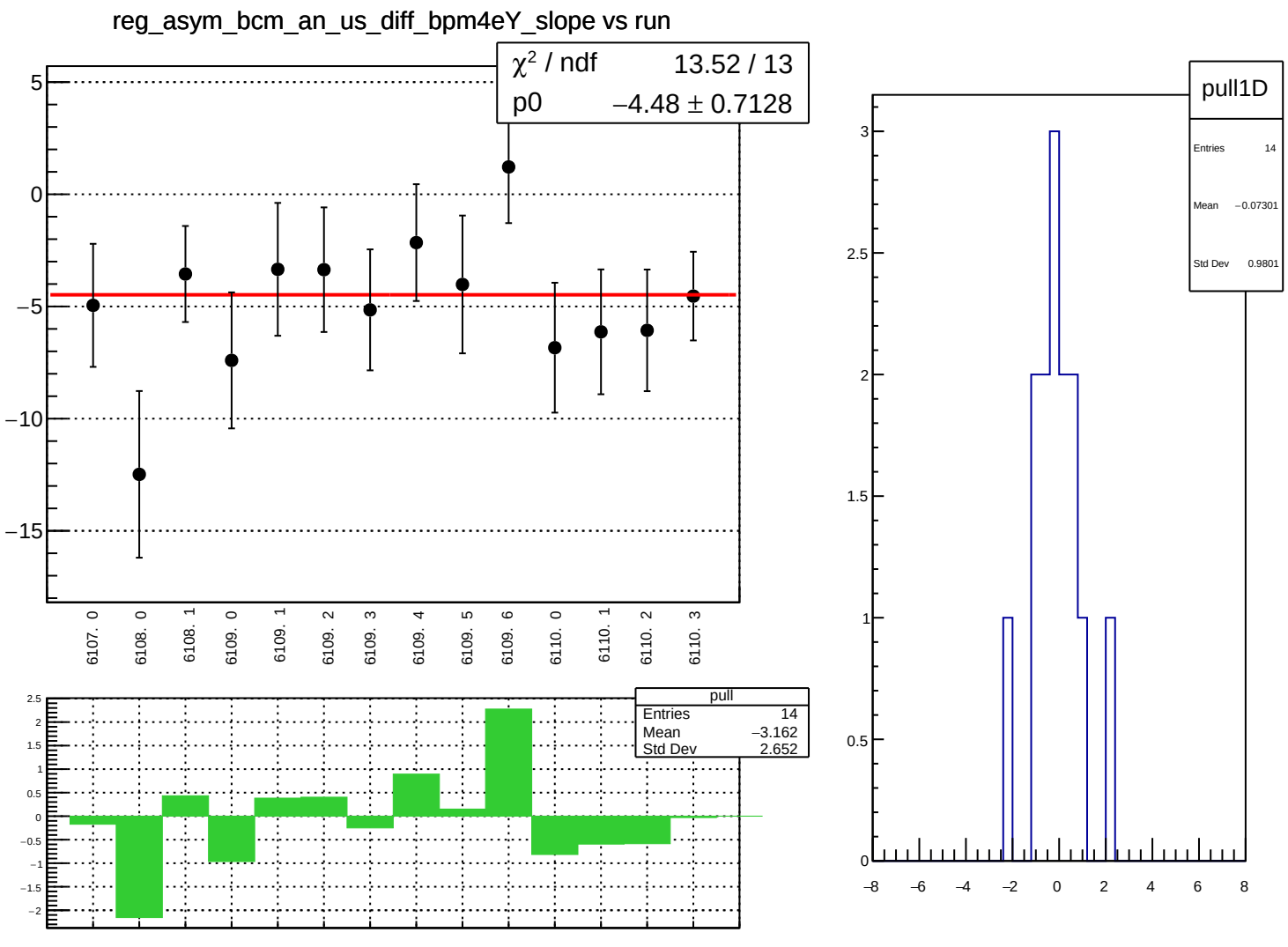

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 13.55 / 13
p0 −4.428 ± 0.7106
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −4.793
Std Dev 6.503
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.07325
Std Dev 0.981
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

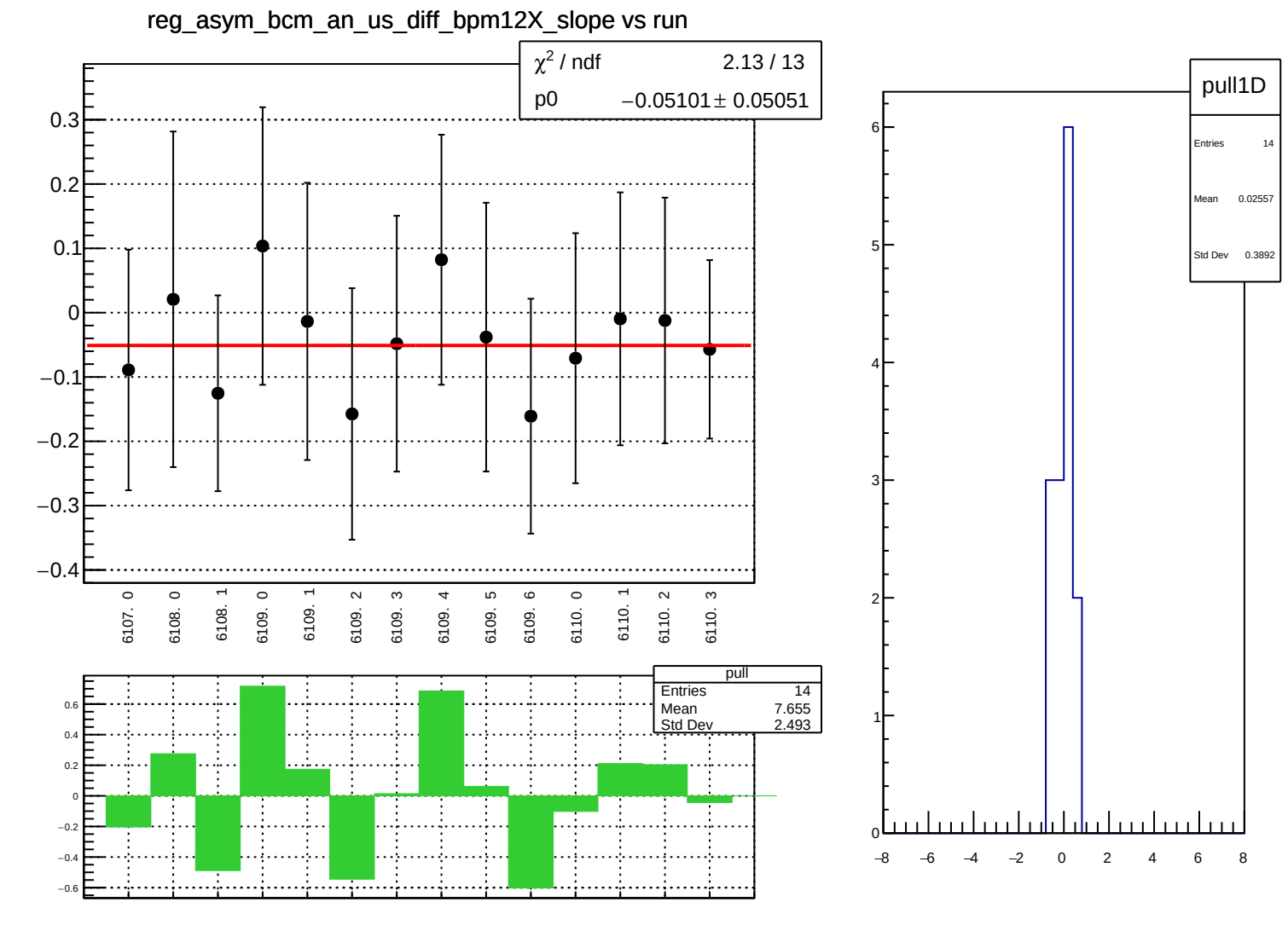

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 2.094 / 13
p0 −0.04746 ± 0.05035
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 9.088
Std Dev 1.017
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean 0.02626
Std Dev 0.3858
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

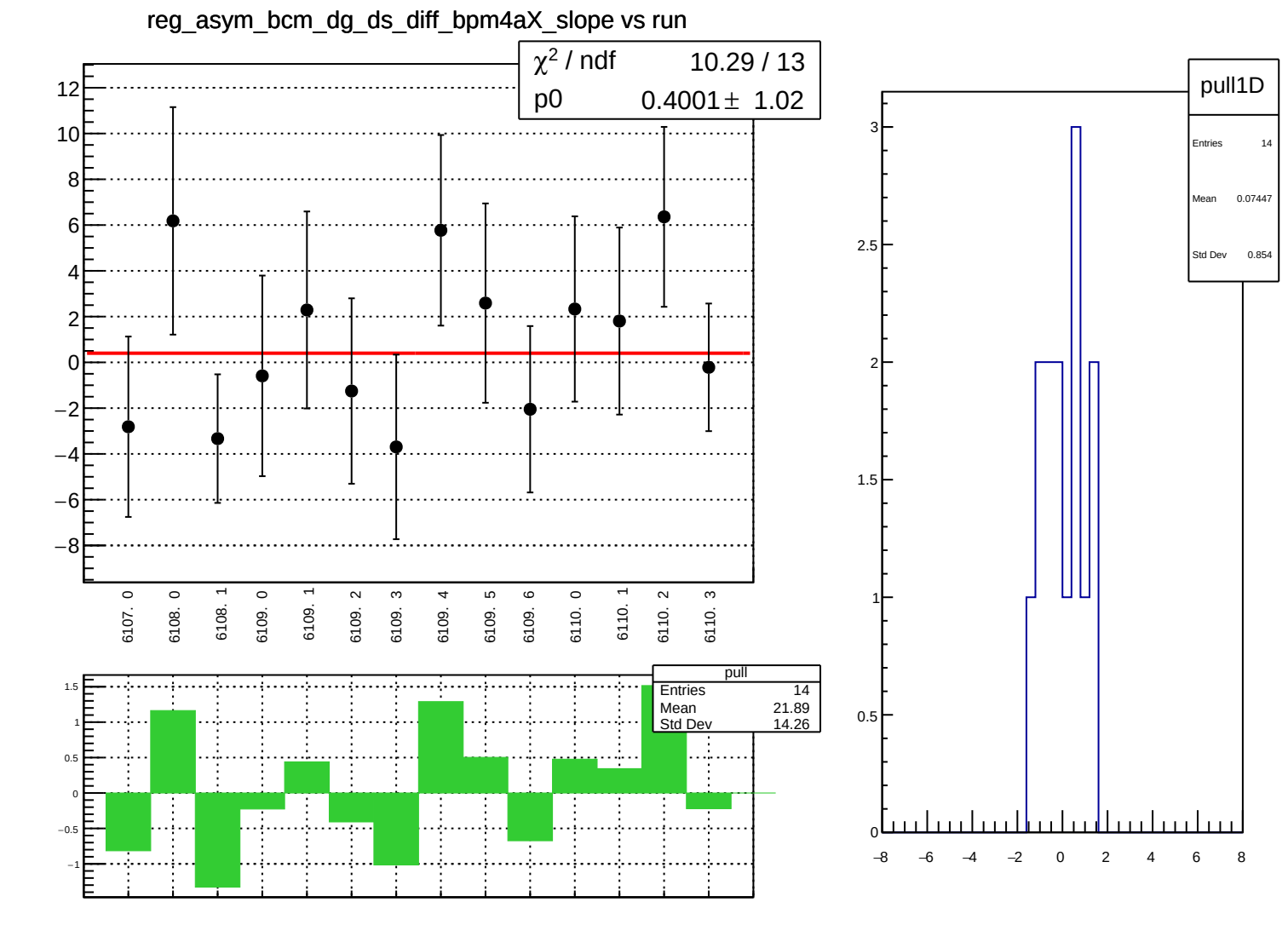

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 9.716 / 13
p0 0.5408 ± 1.01
12
10
8
6
4
2
0
−2
−4
−6
−8
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 23.23
Std Dev 15.74
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.07197
Std Dev 0.8299
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

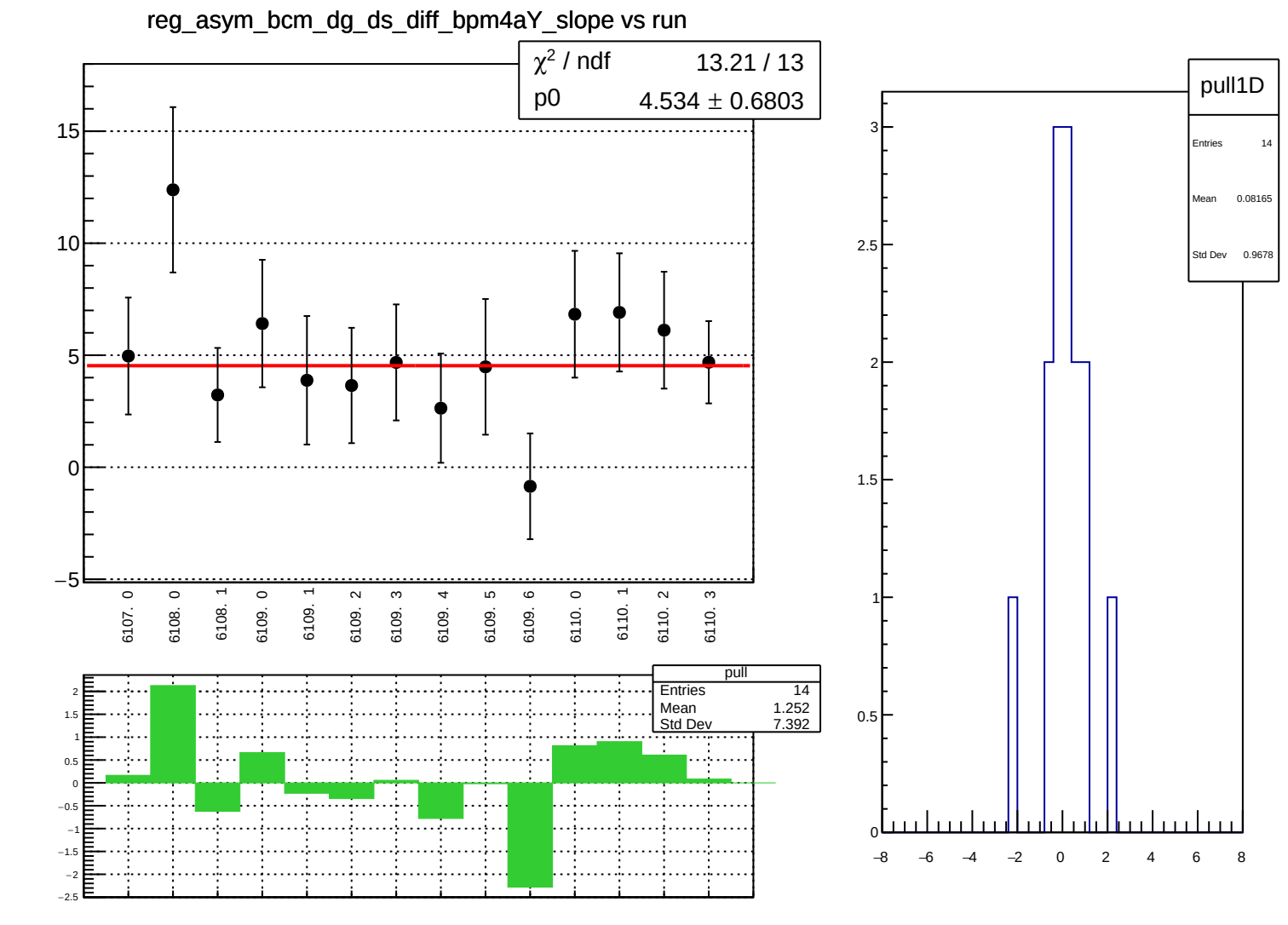

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 13.4 / 13
p0 4.412 ± 0.6735
16
14
12
10
8
6
4
2
0
−2
−4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 2.715
Std Dev 8.039
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.08039
Std Dev 0.9751
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

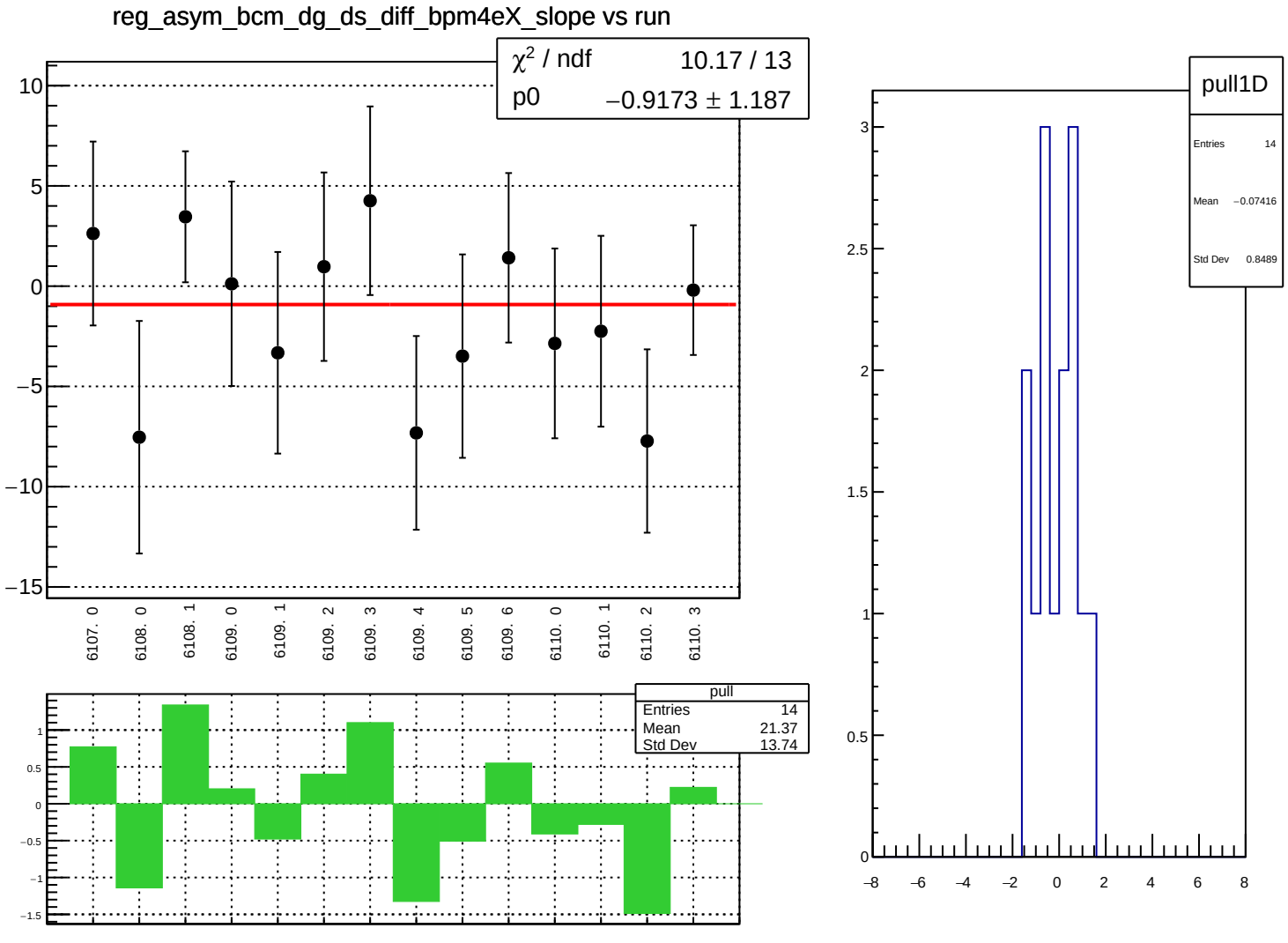

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 9.757 / 13
p0 −1.078 ± 1.175
10
5
0
−5
−10
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 22.61
Std Dev 15.16
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.07268
Std Dev 0.8316
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

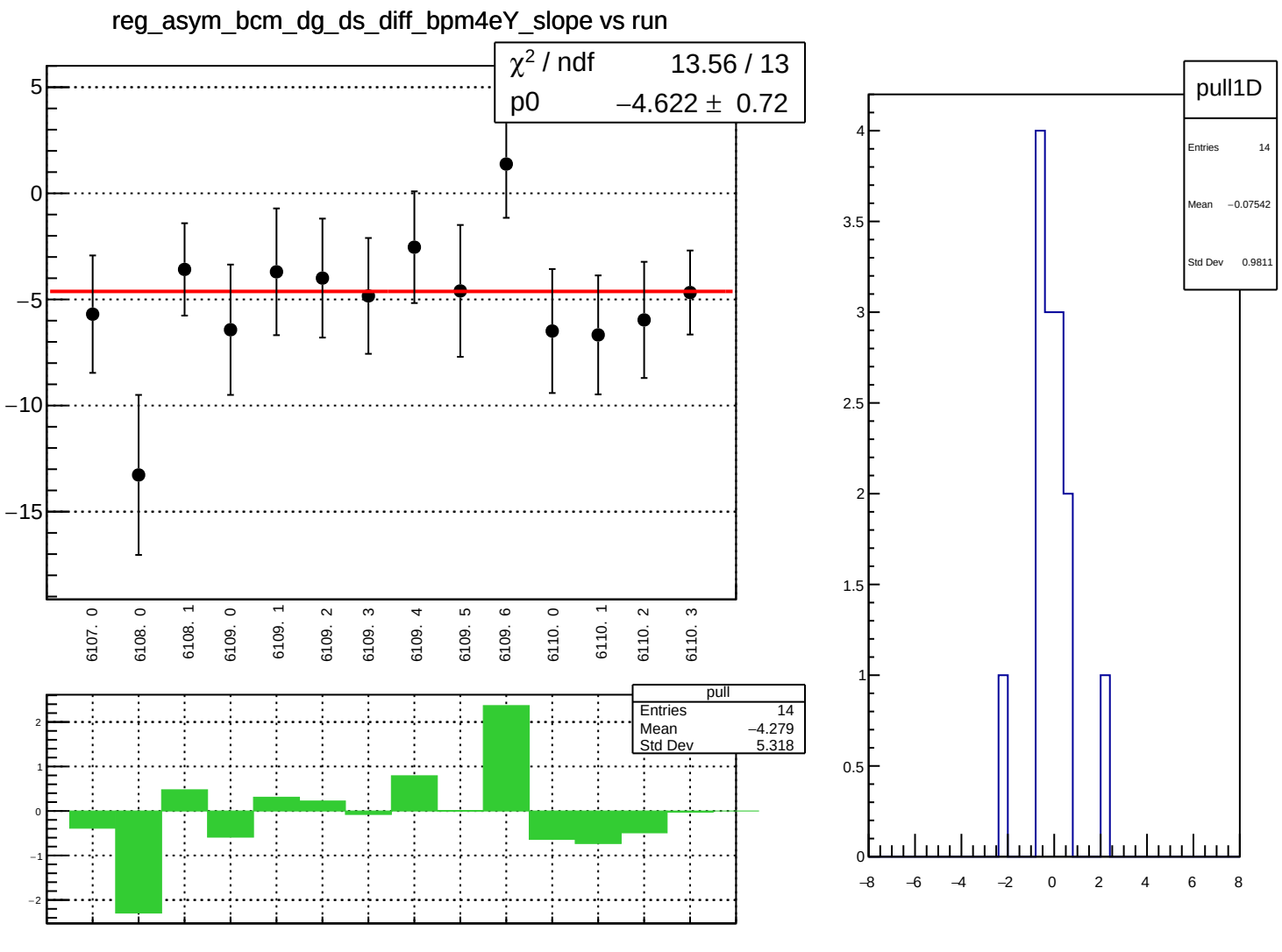

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 13.52 / 13
p0 −4.48 ± 0.7128
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −3.162
Std Dev 2.652
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.07301
Std Dev 0.9801
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

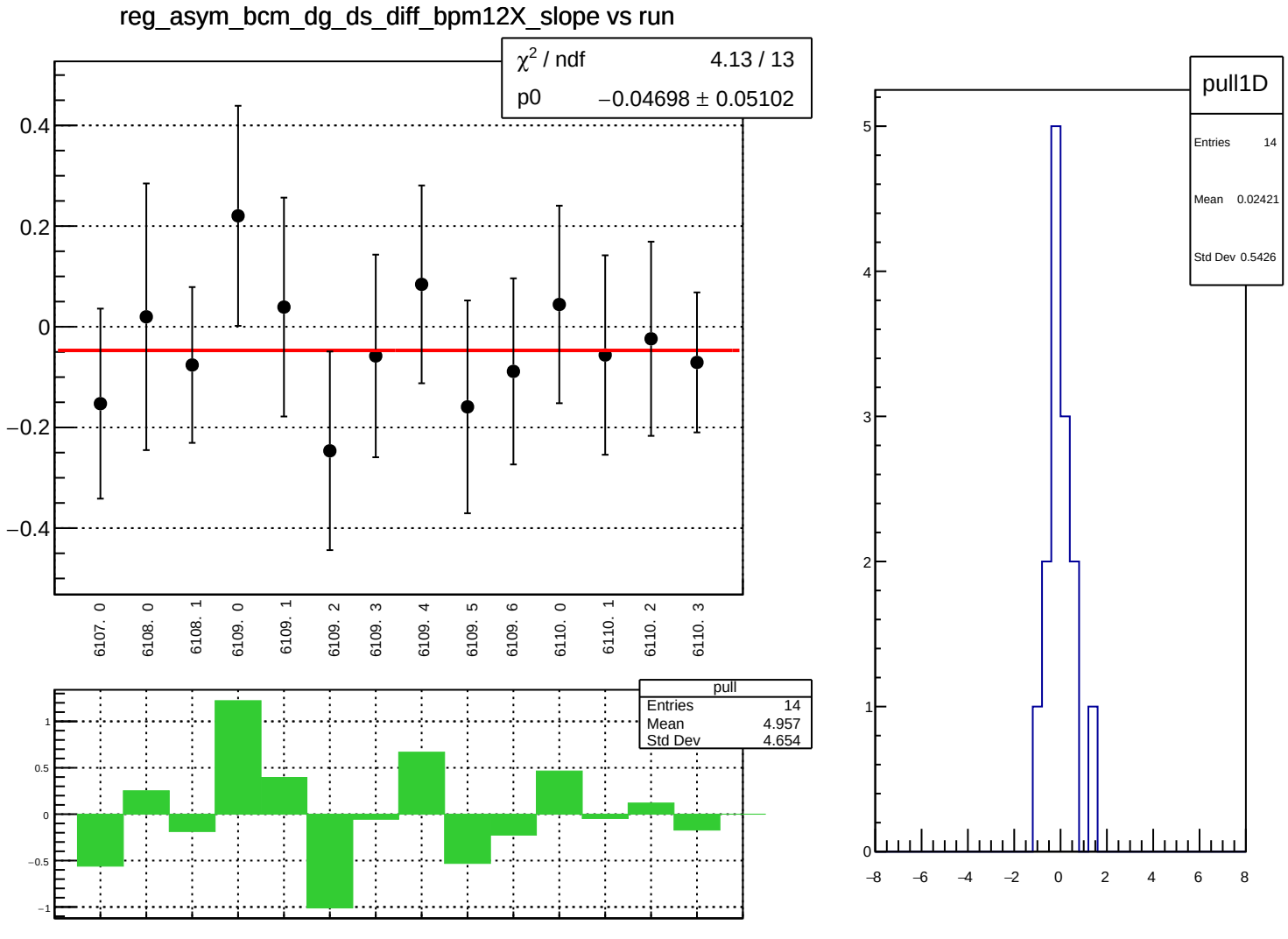

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 2.13 / 13
p0 −0.05101 ± 0.05051
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 7.655
Std Dev 2.493
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 14
Mean 0.02557
Std Dev 0.3892
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

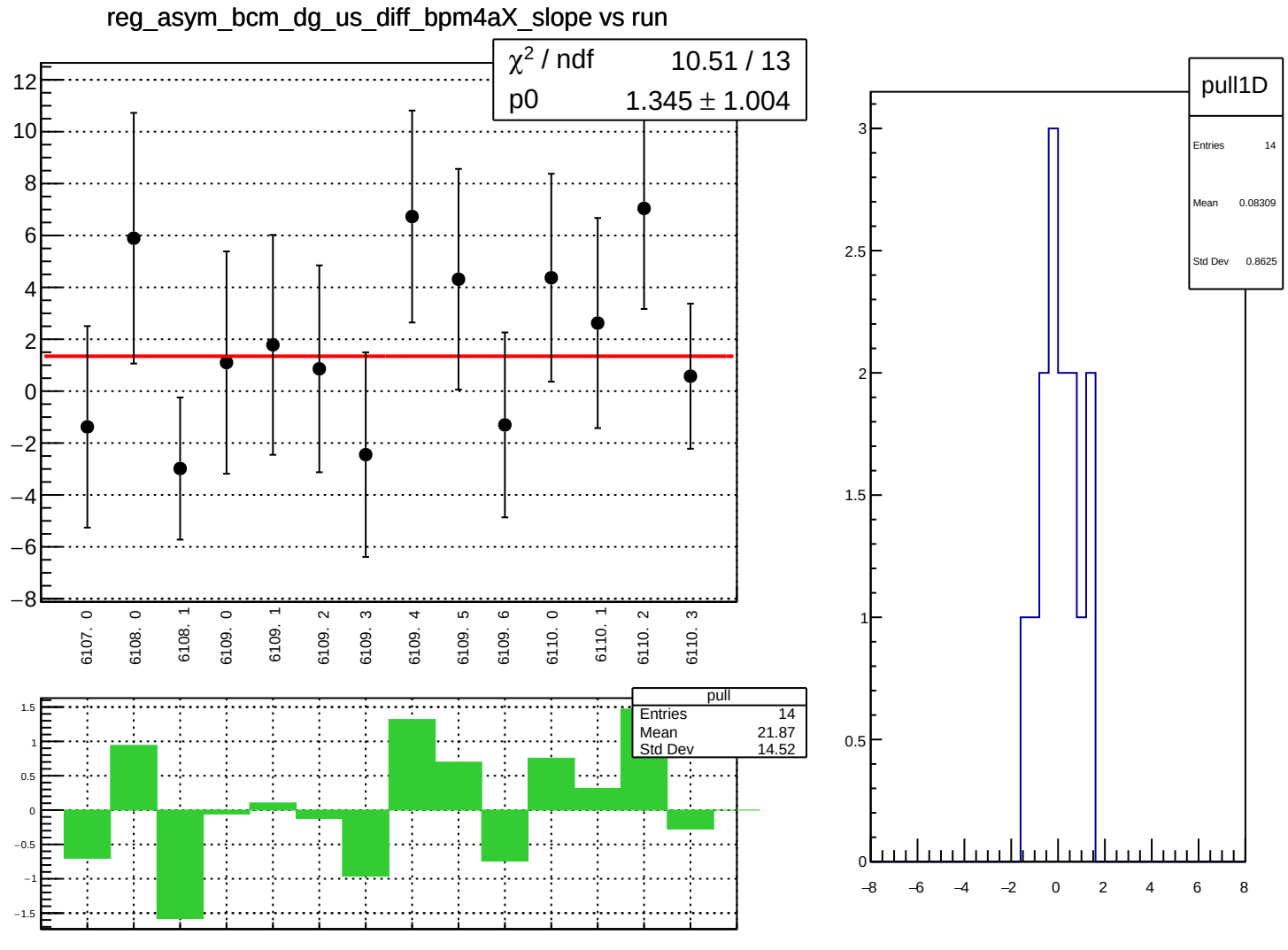

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 10.29 / 13
p0 0.4001 ± 1.02
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.89
Std Dev 14.26
pull1D
Entries 14
Mean 0.07447
Std Dev 0.854

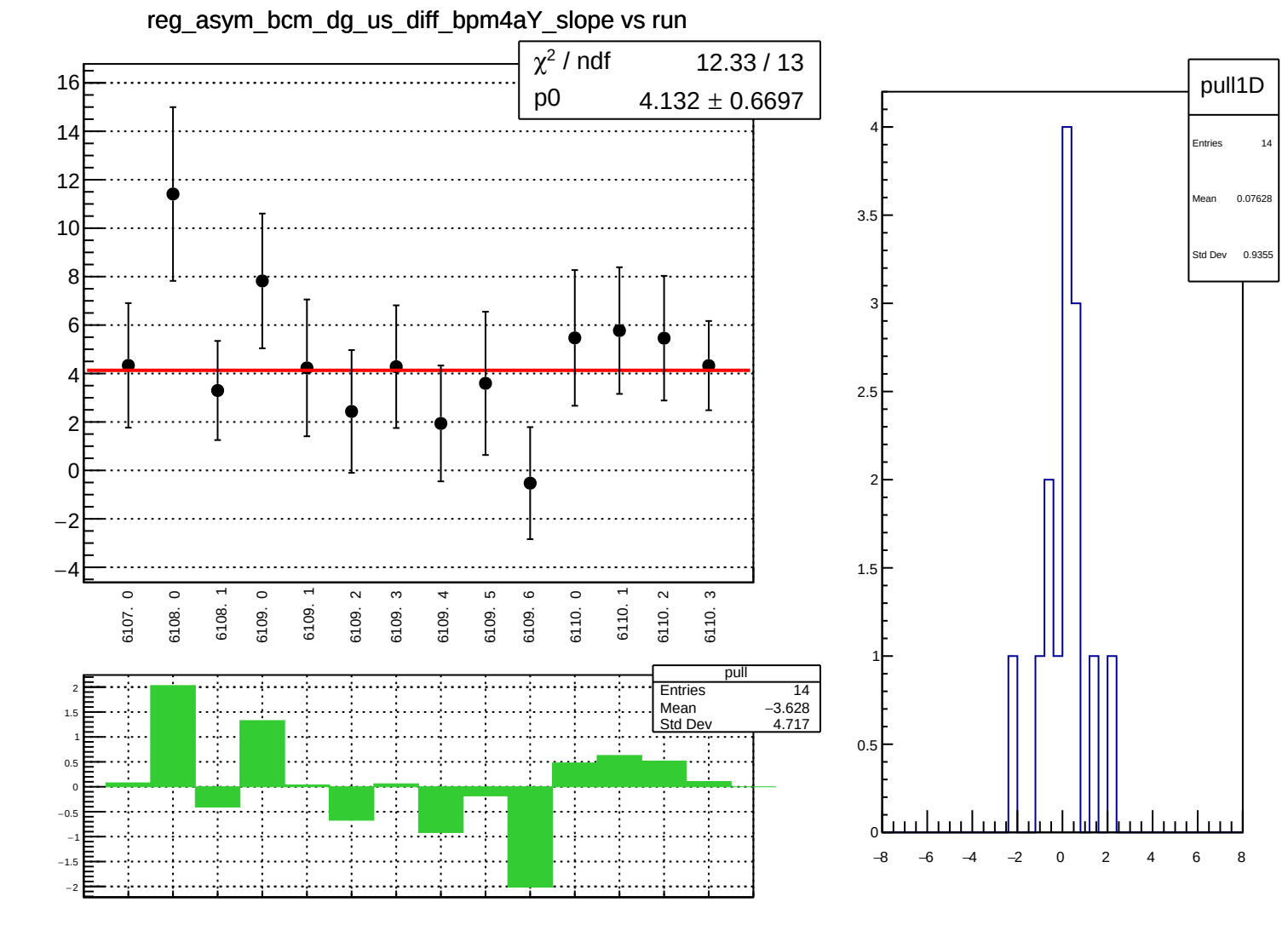

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 13.21 / 13
p0 4.534 ± 0.6803
15
10
5
0
−5
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 1.252
Std Dev 7.392
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 14
Mean 0.08165
Std Dev 0.9678
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

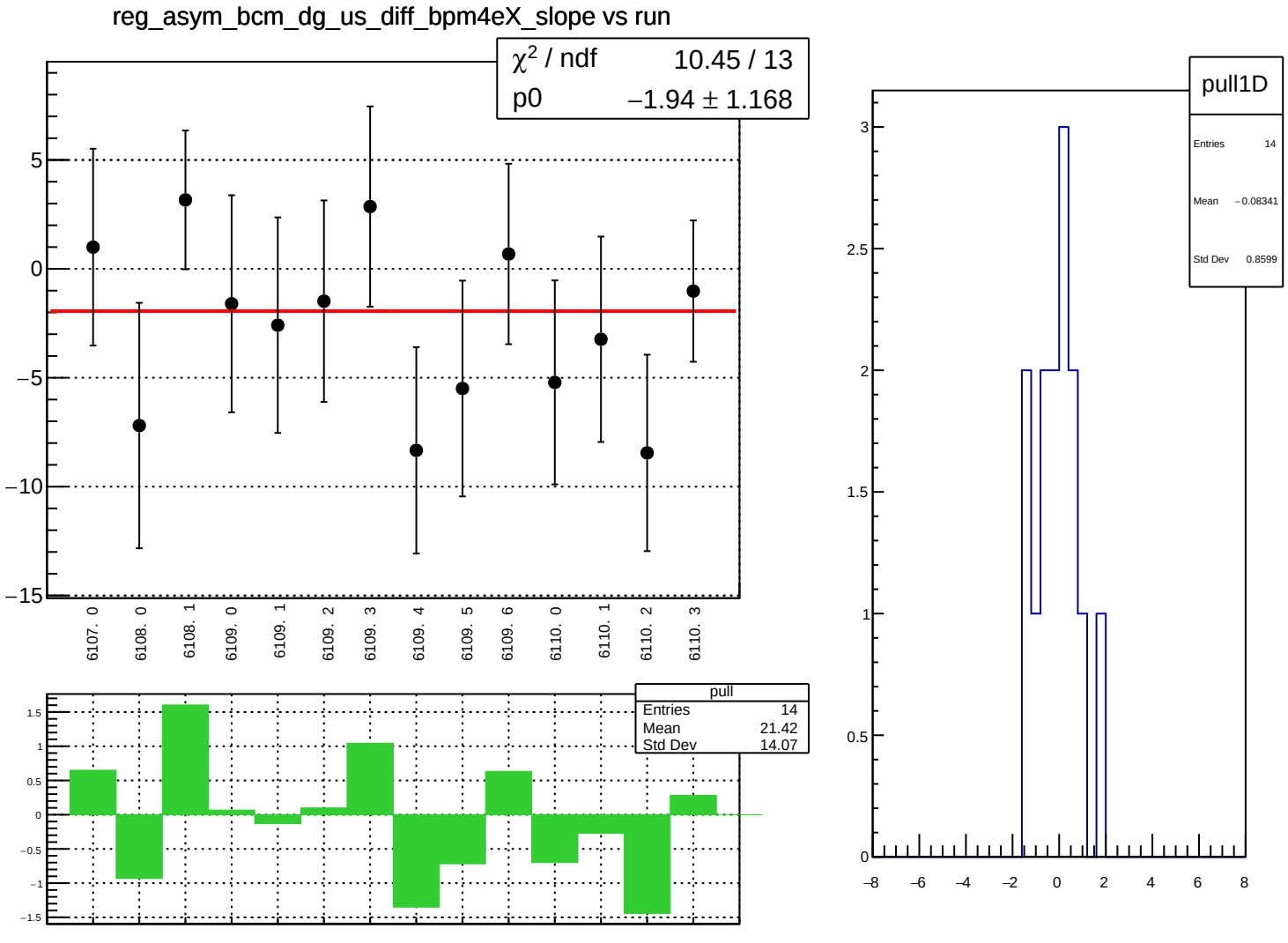

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 10.17 / 13
p0 −0.9173 ± 1.187
10
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.37
Std Dev 13.74
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.07416
Std Dev 0.8489
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

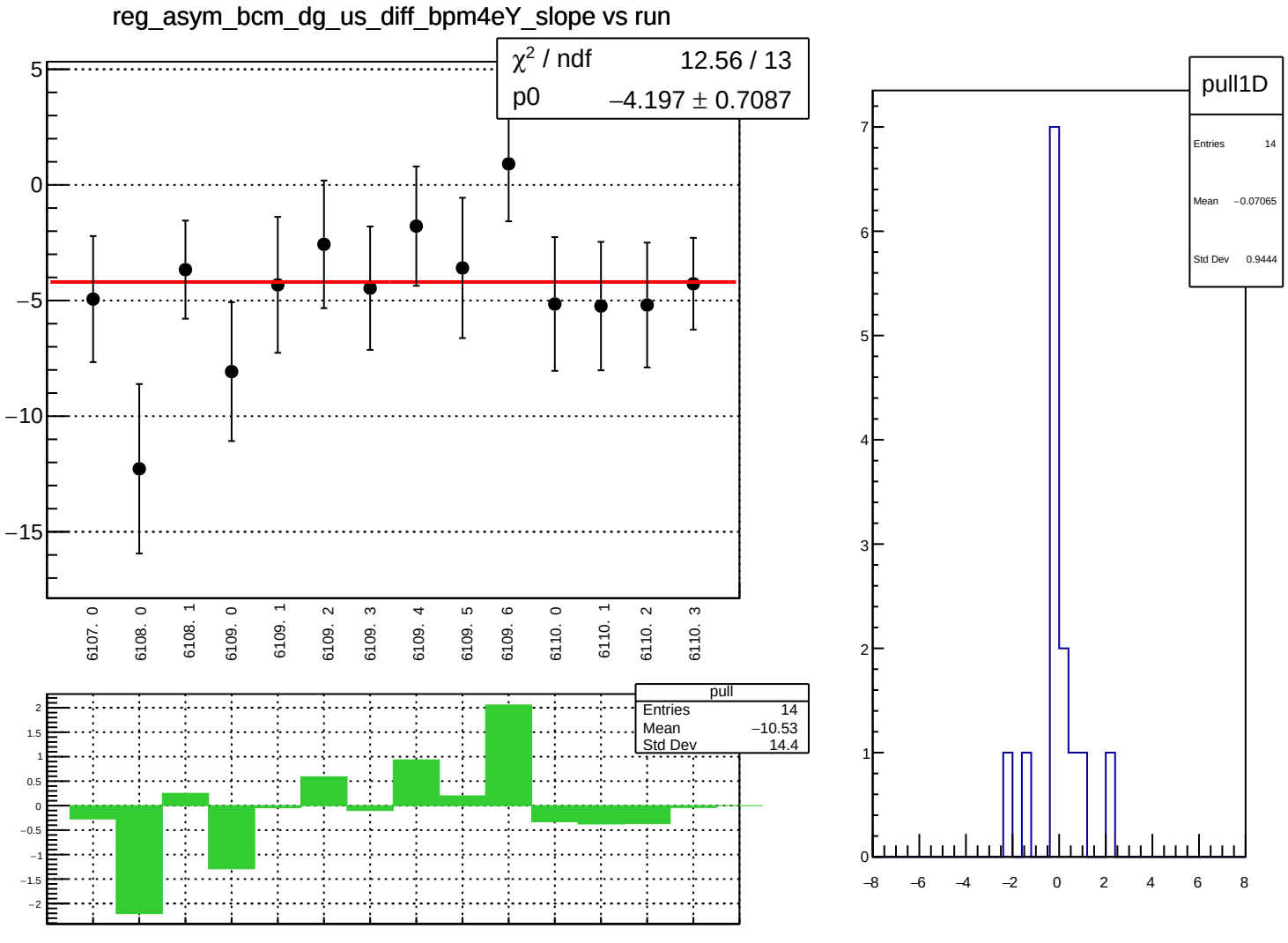

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 13.56 / 13
p0 −4.622 ± 0.72
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −4.279
Std Dev 5.318
2
1
0
−1
−2
pull1D
Entries 14
Mean −0.07542
Std Dev 0.9811
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

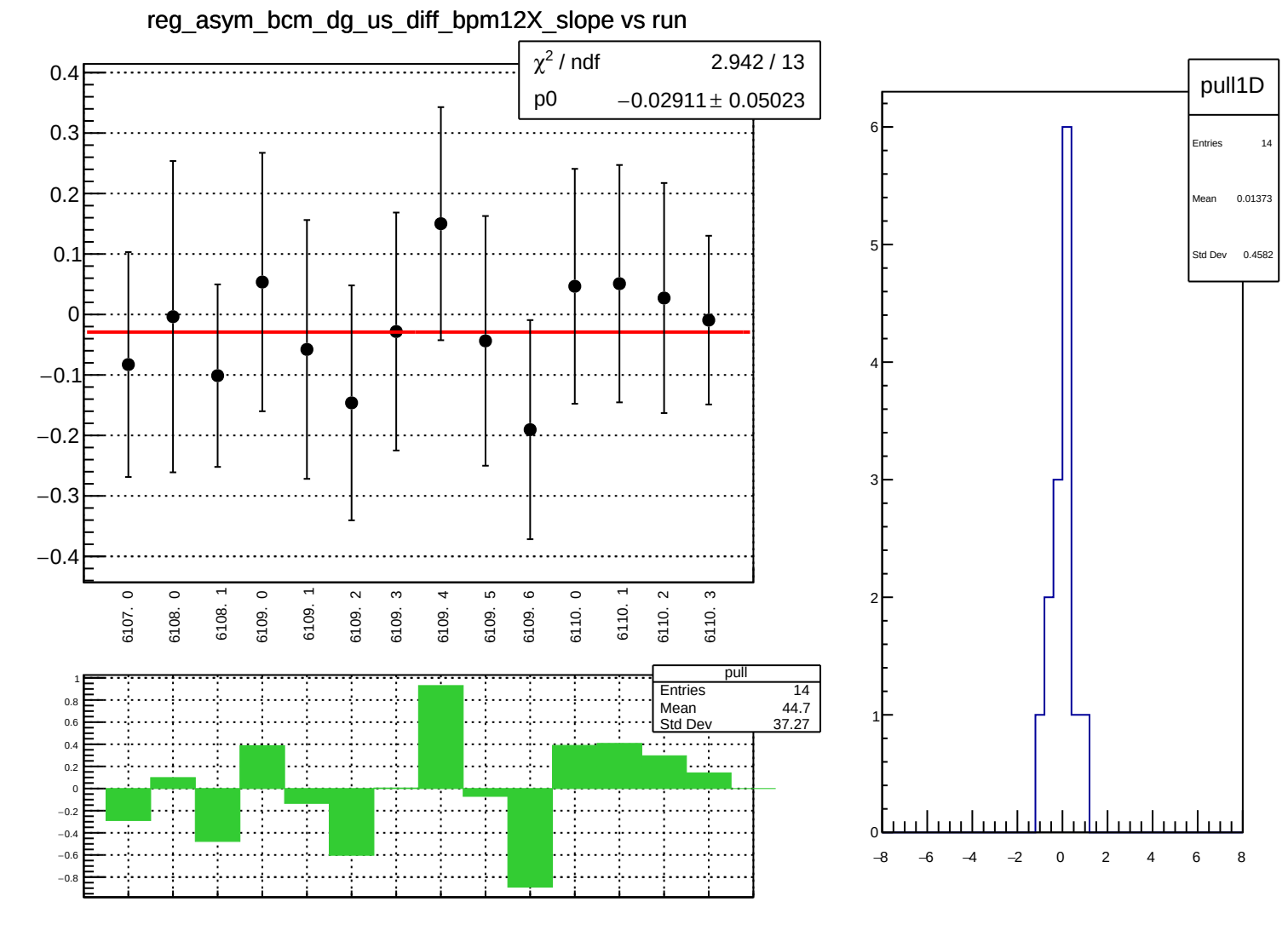

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 4.13 / 13
p0 −0.04698 ± 0.05102
0.4
0.2
0
−0.2
−0.4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 4.957
Std Dev 4.654
1
0.5
0
−0.5
−1
pull1D
Entries 14
Mean 0.02421
Std Dev 0.5426
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 10.51 / 13
p0 1.345 ± 1.004
12
10
8
6
4
2
0
−2
−4
−6
−8
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.87
Std Dev 14.52
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean 0.08309
Std Dev 0.8625
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 12.33 / 13
p0 4.132 ± 0.6697
16
14
12
10
8
6
4
2
0
−2
−4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −3.628
Std Dev 4.717
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean 0.07628
Std Dev 0.9355
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 10.45 / 13
p0 −1.94 ± 1.168
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 21.42
Std Dev 14.07
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 14
Mean −0.08341
Std Dev 0.8599
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 12.56 / 13
p0 −4.197 ± 0.7087
5
0
−5
−10
−15
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean −10.53
Std Dev 14.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 14
Mean −0.07065
Std Dev 0.9444
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 2.942 / 13
p0 −0.02911 ± 0.05023
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
6107. 0
6108. 0
6108. 1
6109. 0
6109. 1
6109. 2
6109. 3
6109. 4
6109. 5
6109. 6
6110. 0
6110. 1
6110. 2
6110. 3
pull
Entries 14
Mean 44.7
Std Dev 37.27
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 14
Mean 0.01373
Std Dev 0.4582
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8