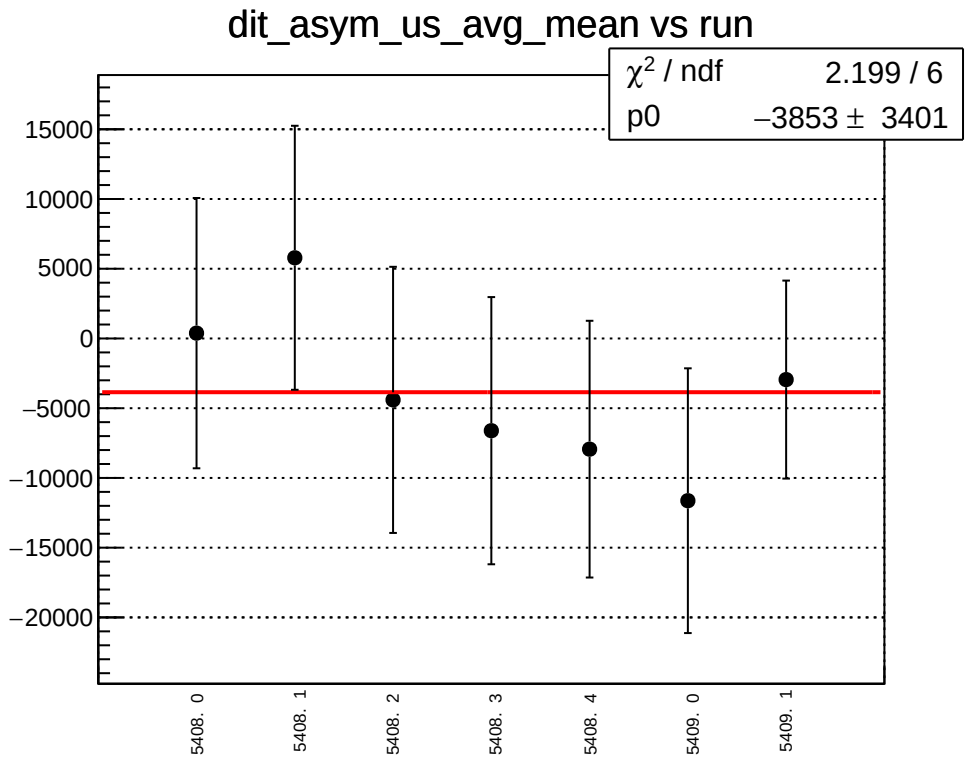
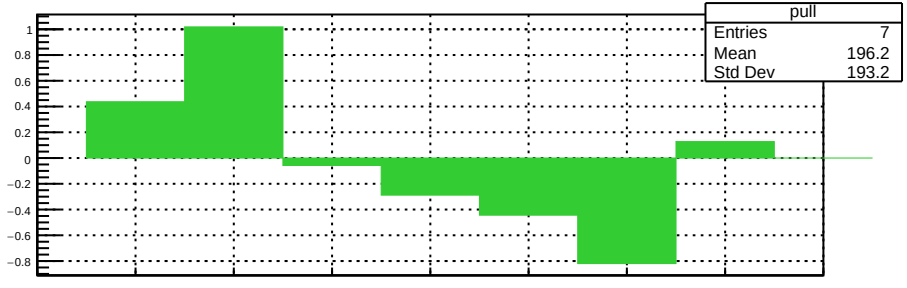
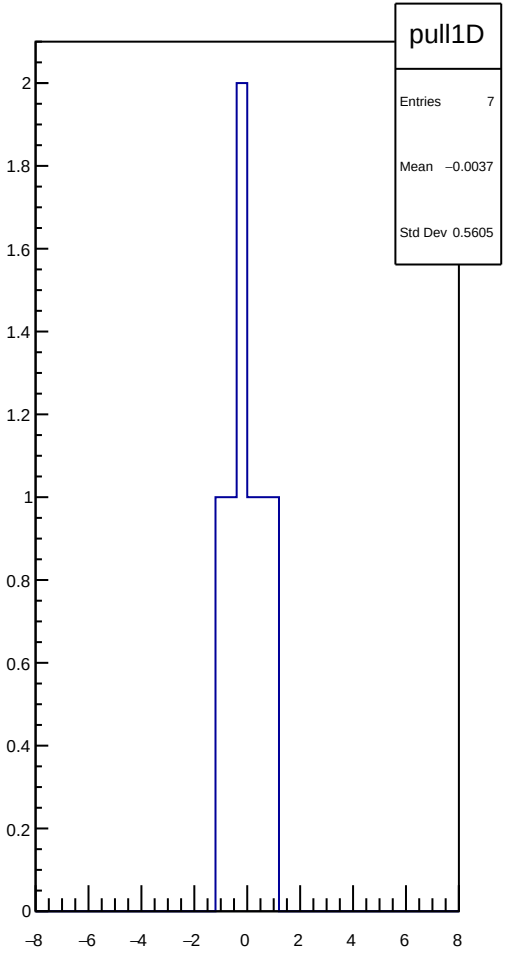
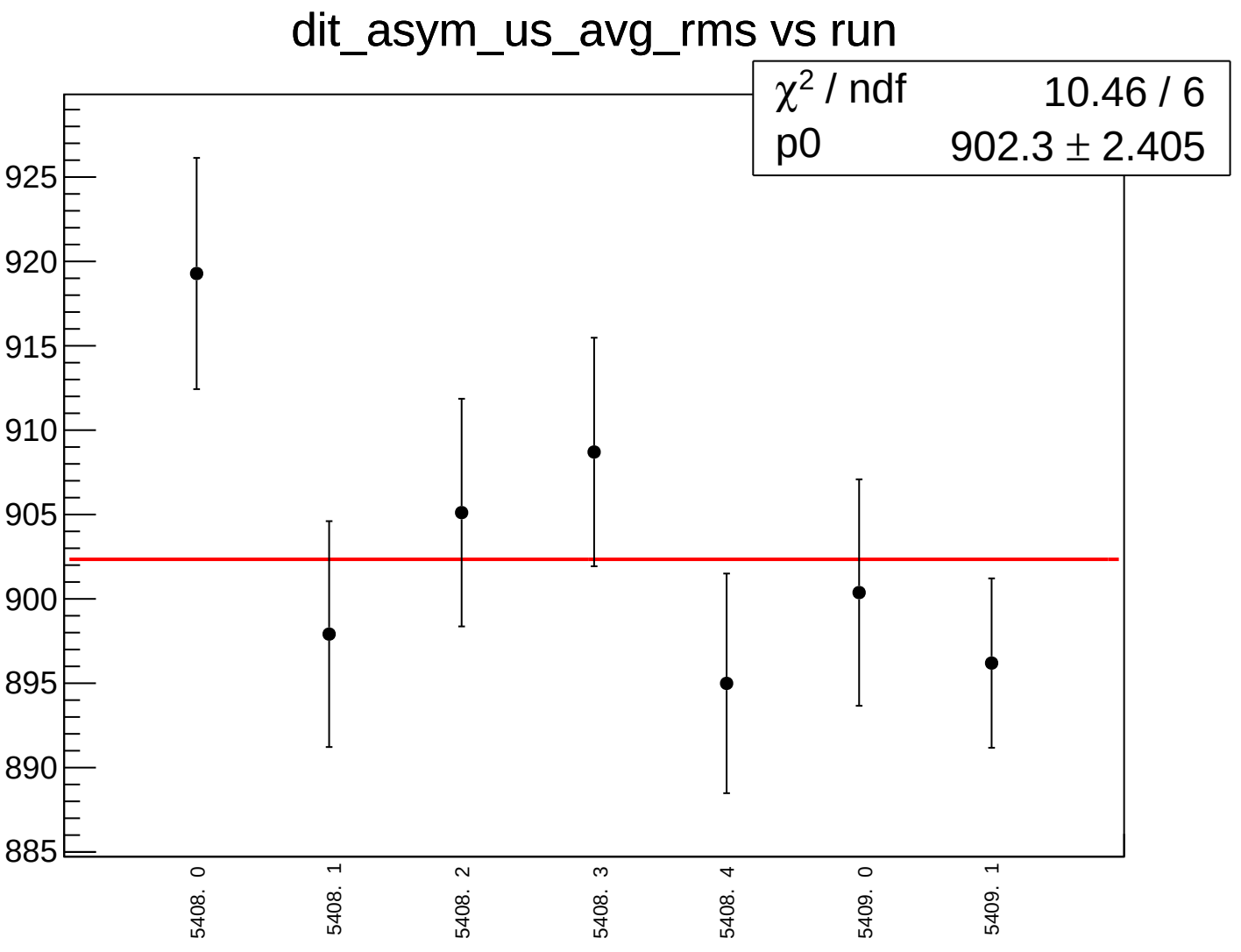
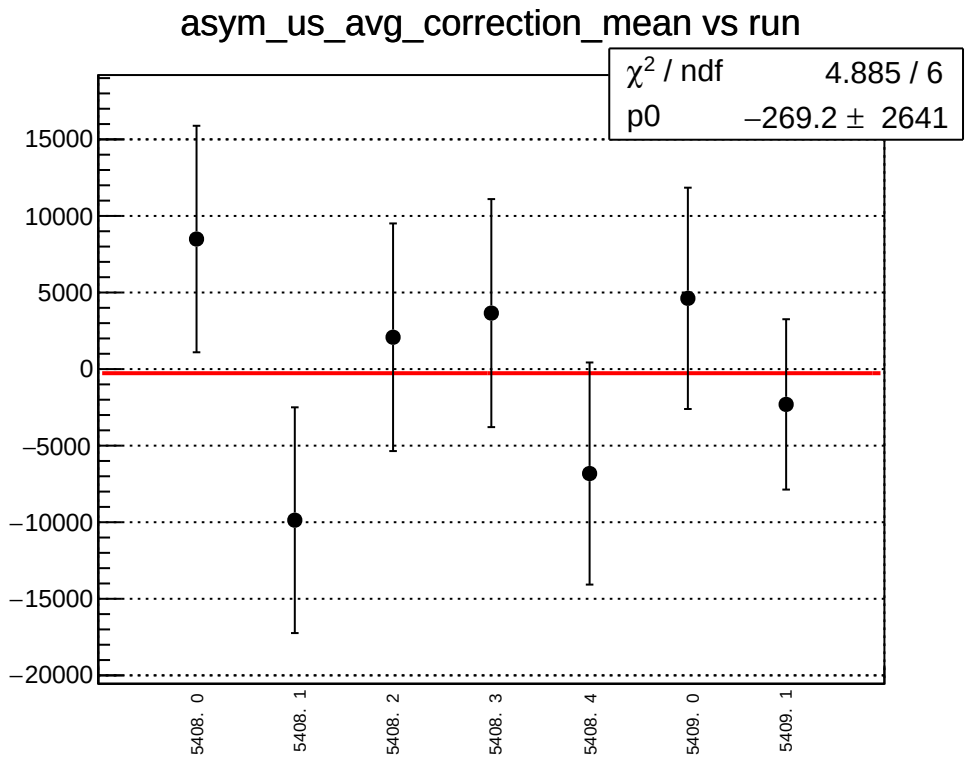
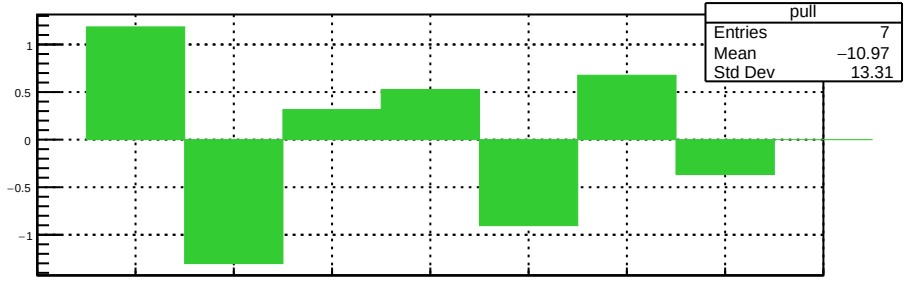

dit_asym_us_avg_mean vs run
χ² / ndf 2.199 / 6
p0 −3853 ± 3401
15000
10000
5000
0
−5000
−10000
−15000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

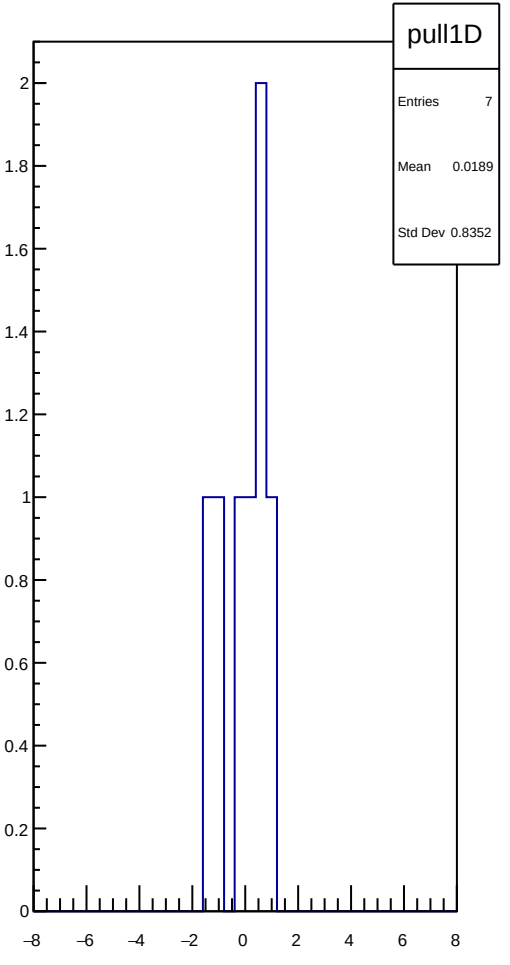

pull
Entries 7
Mean 196.2
Std Dev 193.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

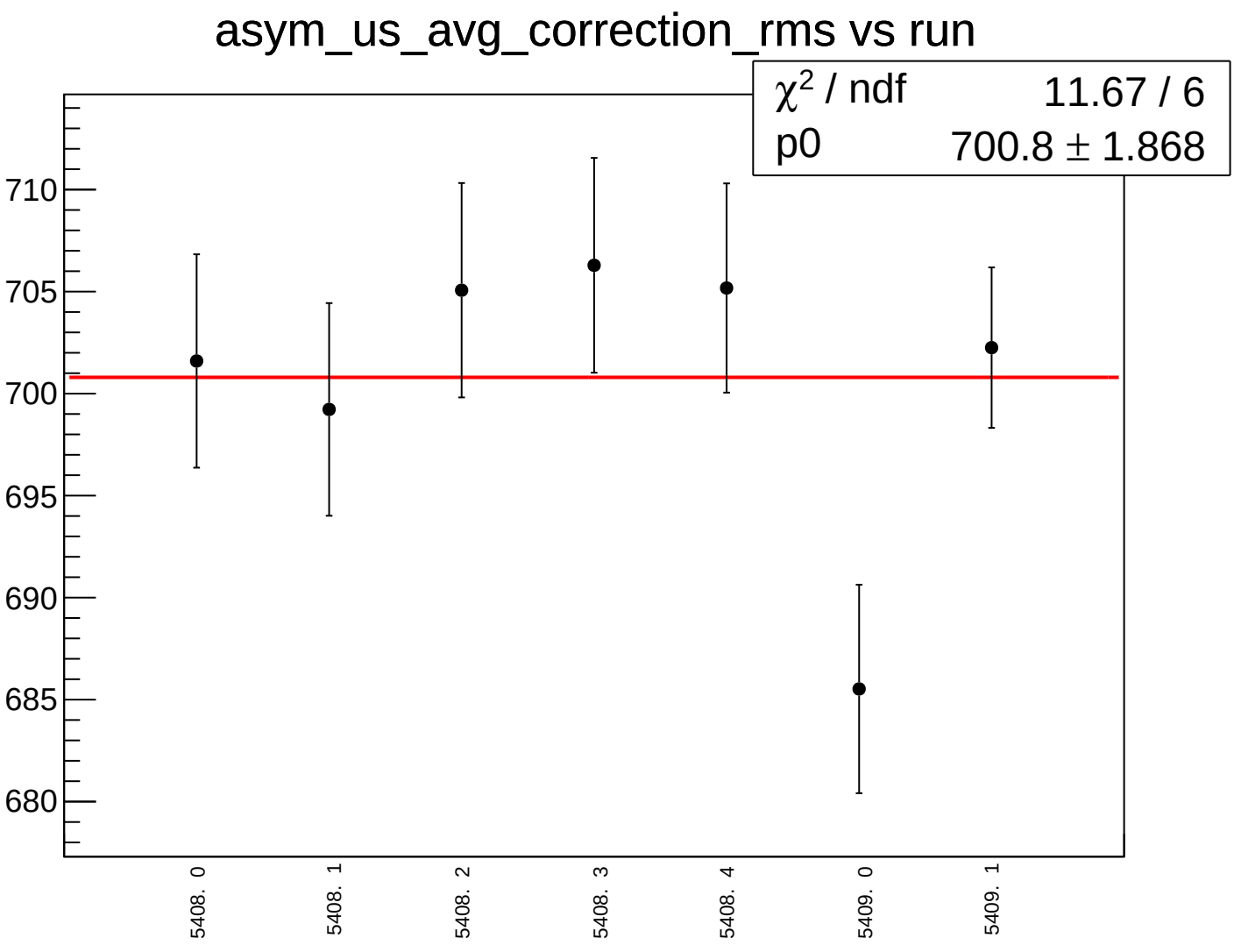

pull1D
Entries 7
Mean −0.0037
Std Dev 0.5605
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

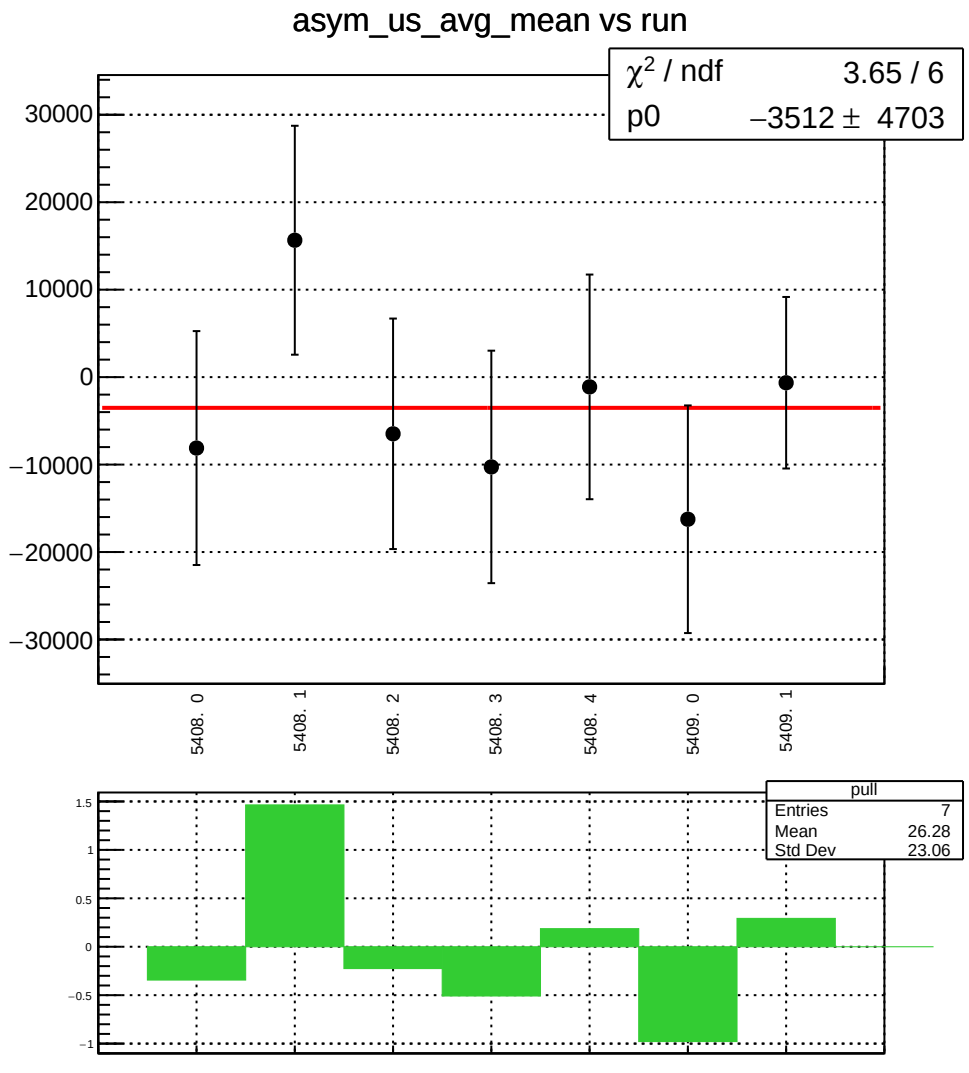

dit_asym_us_avg_rms vs run
χ² / ndf 10.46 / 6
p0 902.3 ± 2.405
925
920
915
910
905
900
895
890
885
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

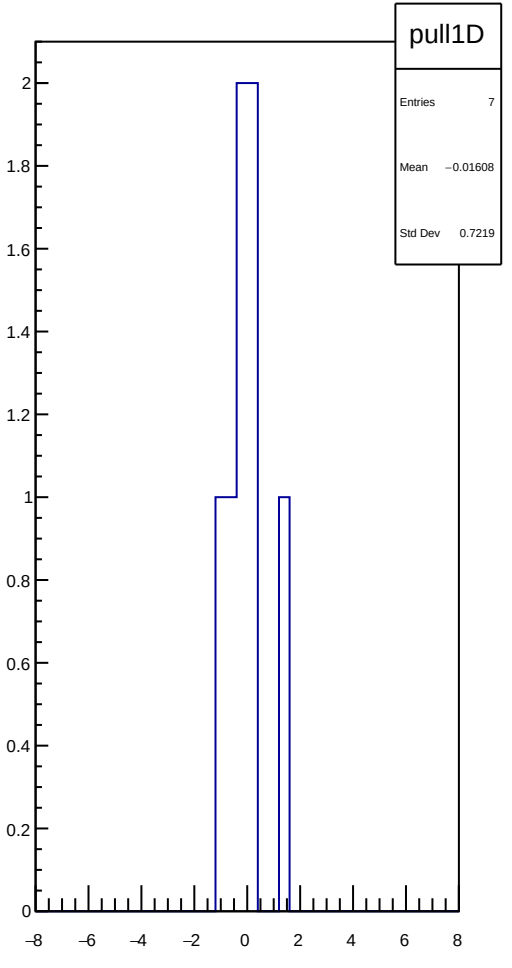

asym_us_avg_correction_mean vs run
χ² / ndf 4.885 / 6
p0 −269.2 ± 2641
15000
10000
5000
0
−5000
−10000
−15000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

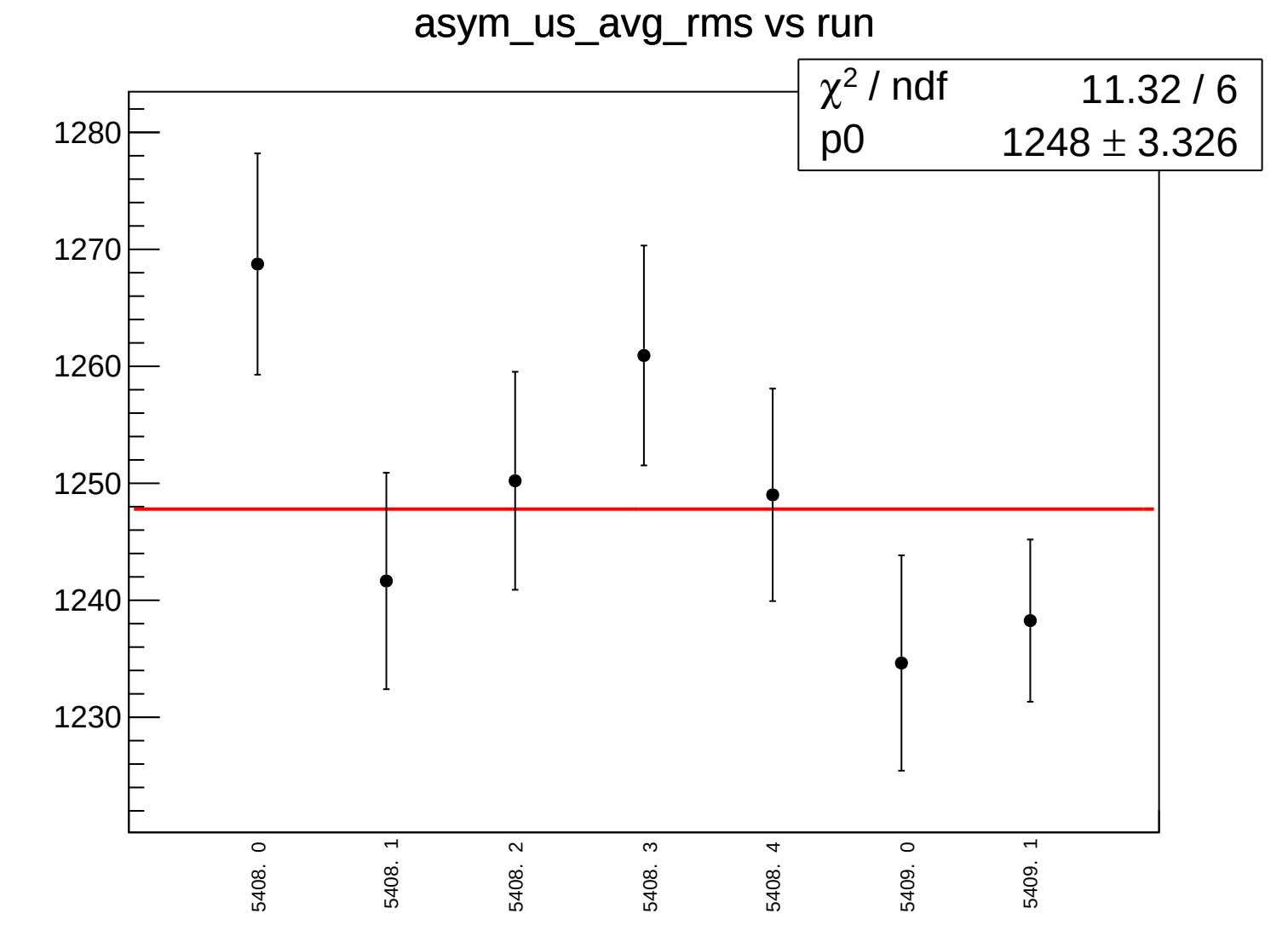

pull
Entries 7
Mean −10.97
Std Dev 13.31
1
0.5
0
−0.5
−1

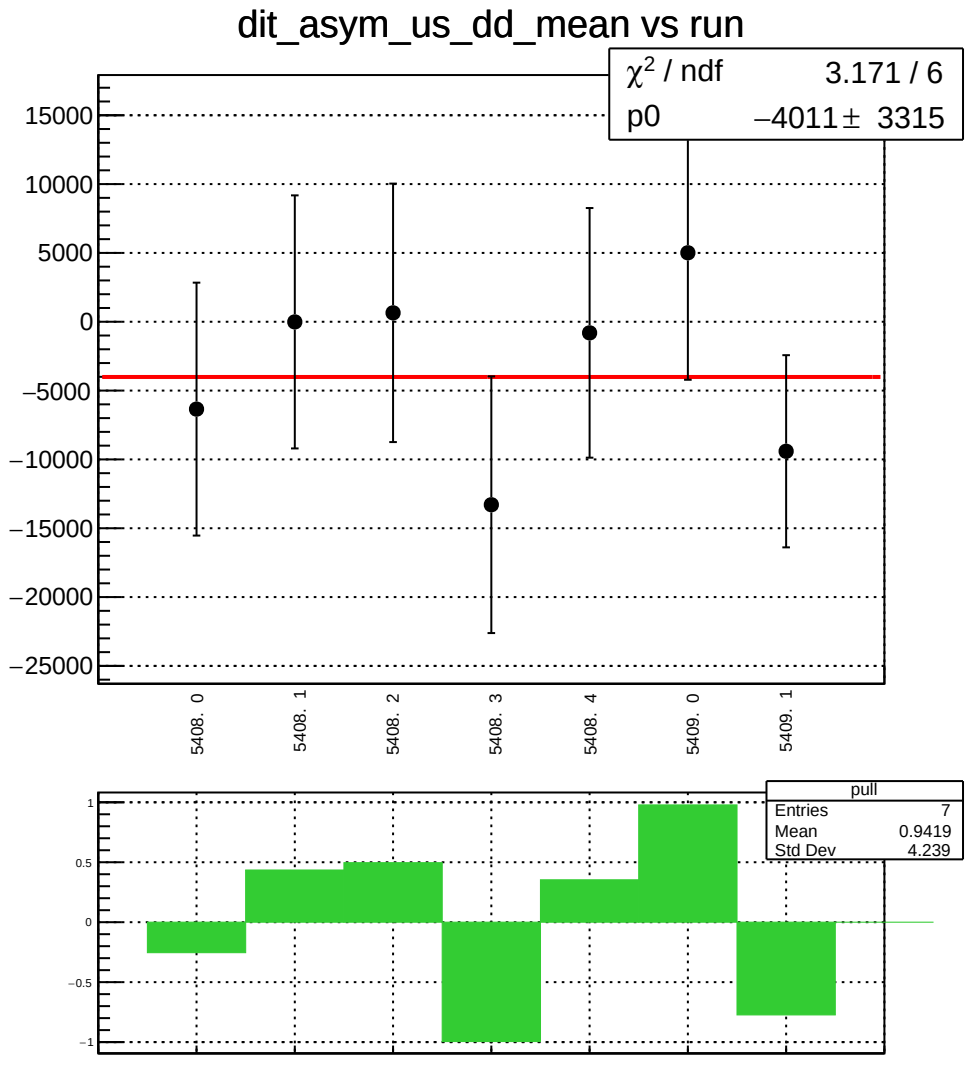

pull1D
Entries 7
Mean 0.0189
Std Dev 0.8352
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

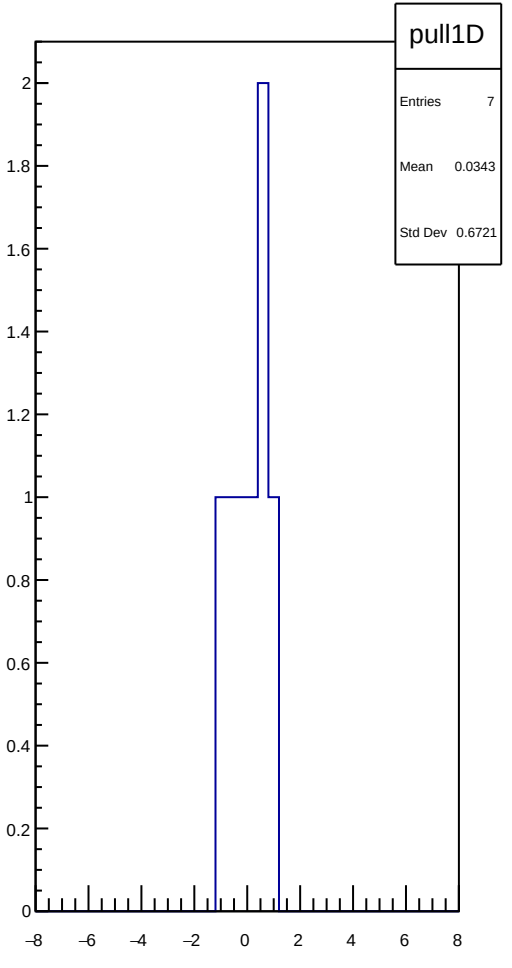

asym_us_avg_correction_rms vs run
χ² / ndf 11.67 / 6
p0 700.8 ± 1.868
710
705
700
695
690
685
680
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

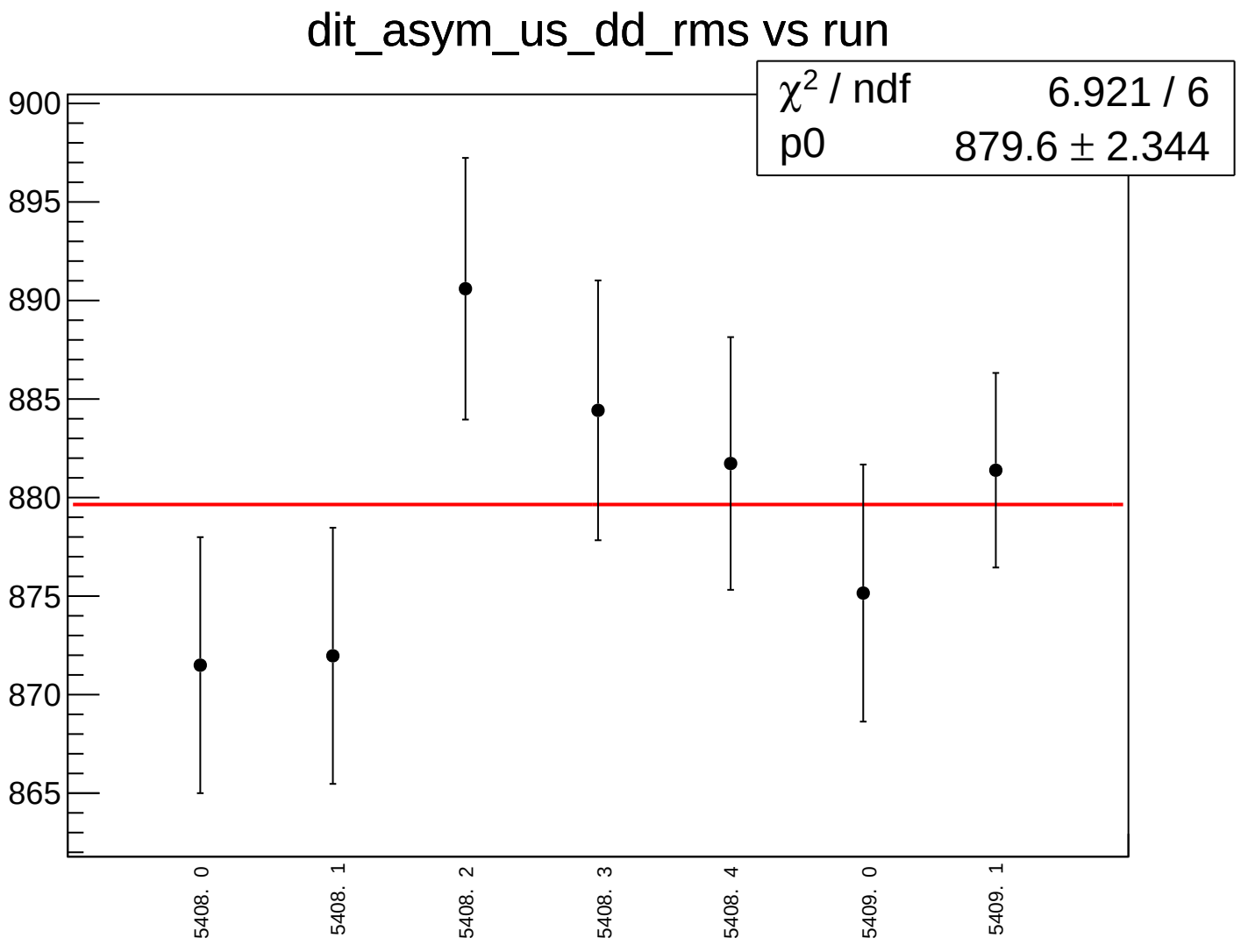

asym_us_avg_mean vs run
χ² / ndf 3.65 / 6
p0 −3512 ± 4703
30000
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 26.28
Std Dev 23.06
1.5
1
0.5
0
−0.5
−1

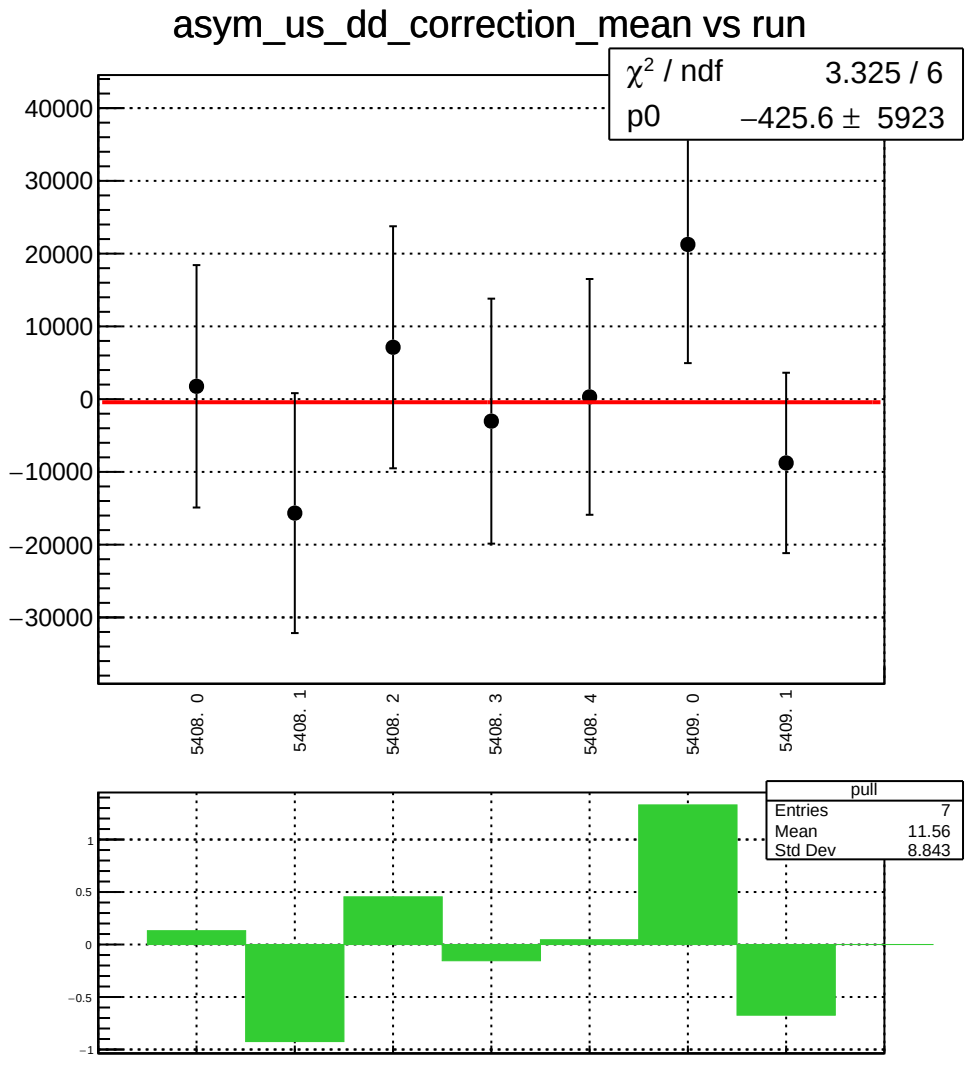

pull1D
Entries 7
Mean −0.01608
Std Dev 0.7219
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

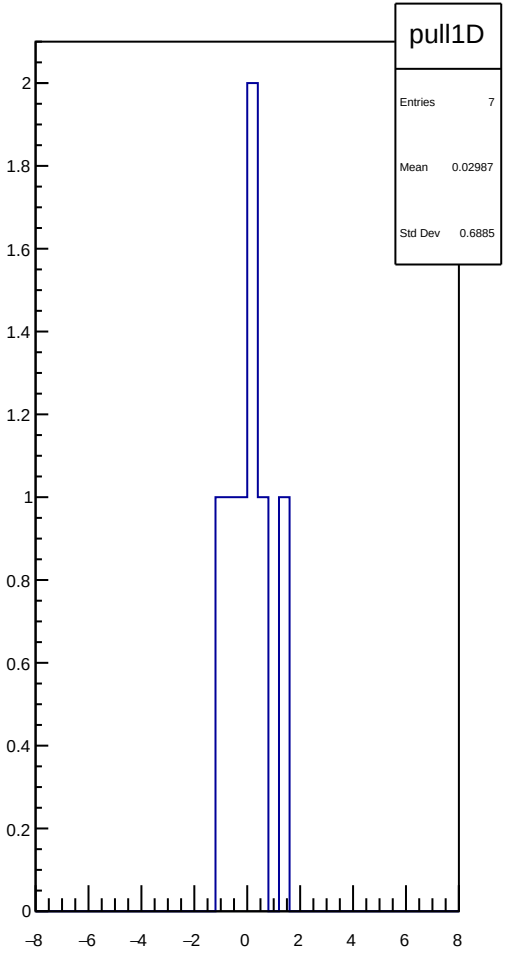

asym_us_avg_rms vs run
χ² / ndf 11.32 / 6
p0 1248 ± 3.326
1280
1270
1260
1250
1240
1230
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

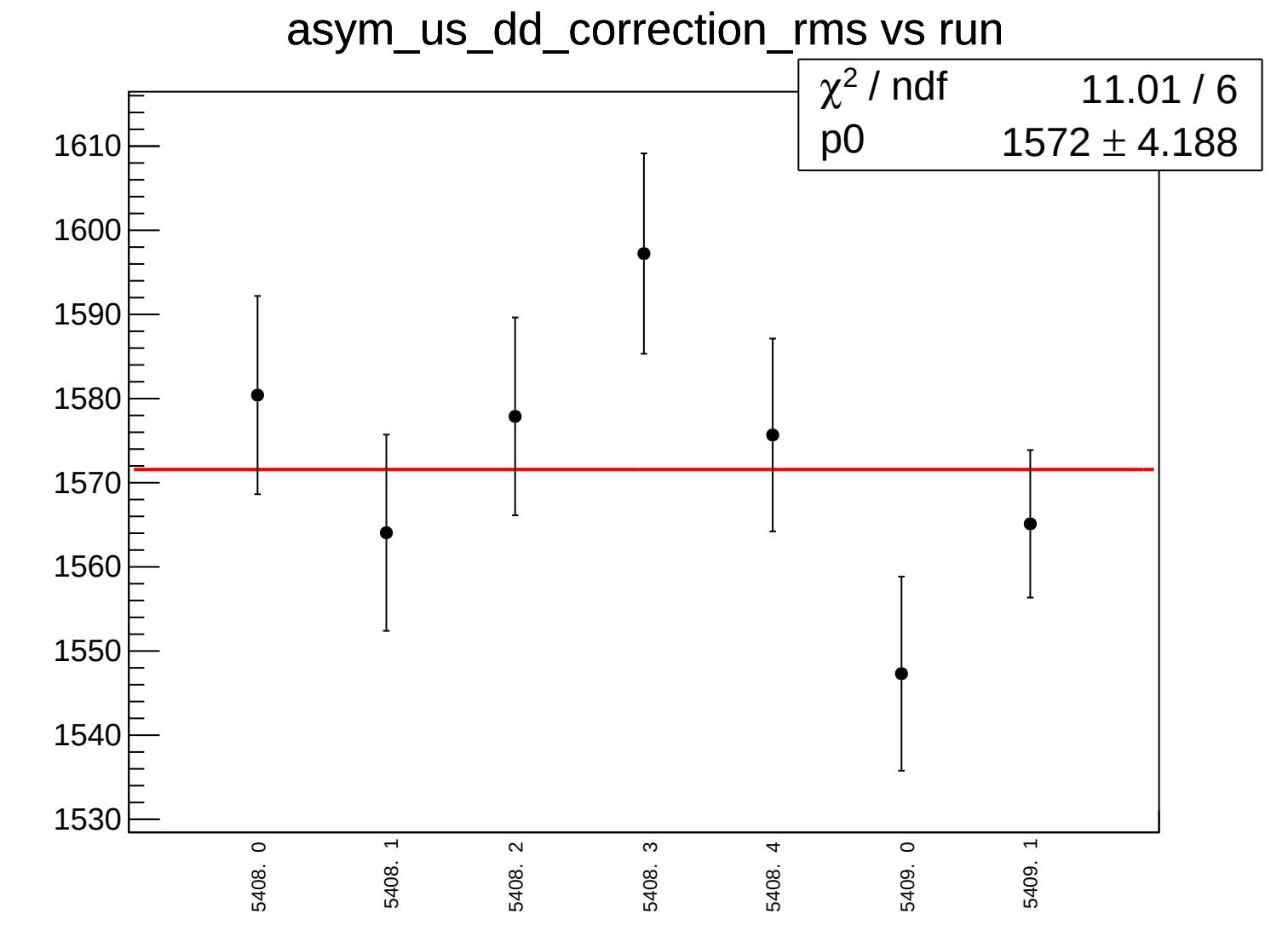

dit_asym_us_dd_mean vs run
χ² / ndf 3.171 / 6
p0 −4011 ± 3315
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.9419
Std Dev 4.239
1
0.5
0
−0.5
−1

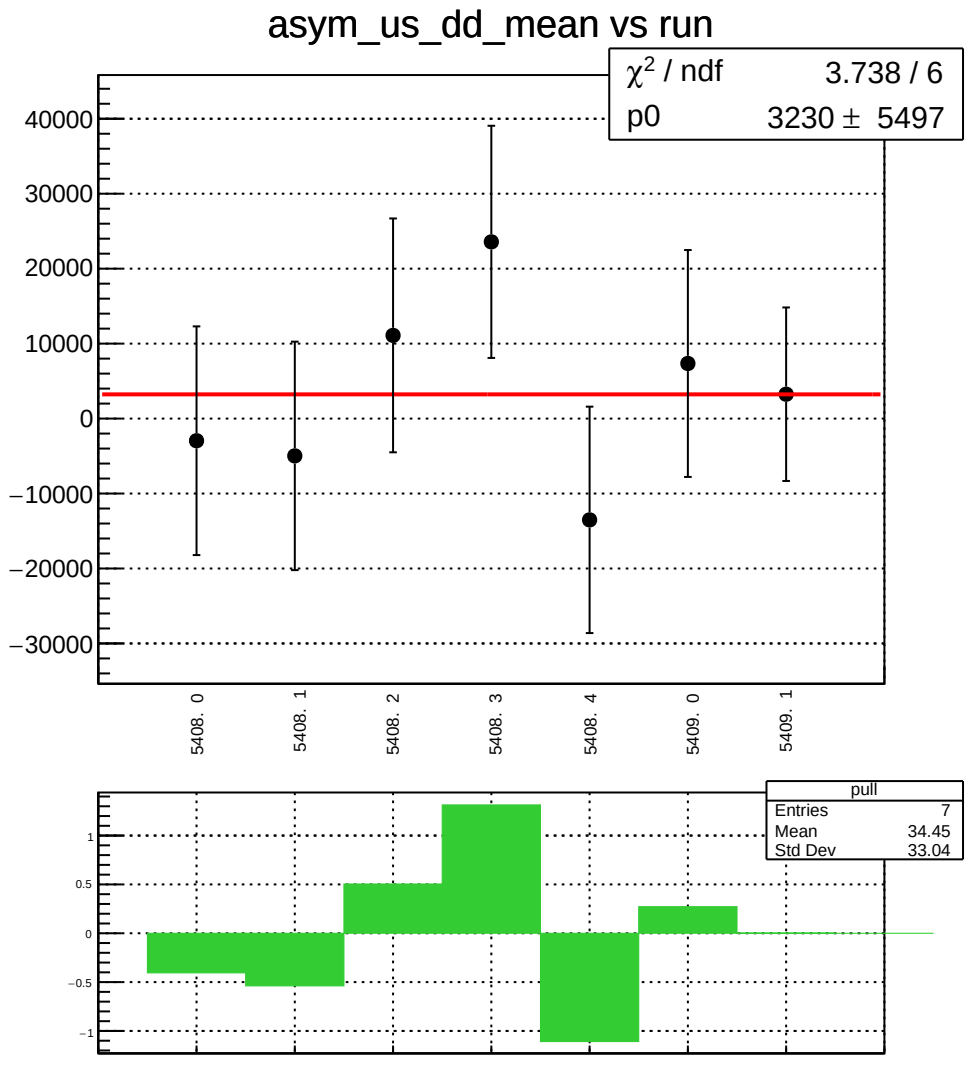

pull1D
Entries 7
Mean 0.0343
Std Dev 0.6721
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

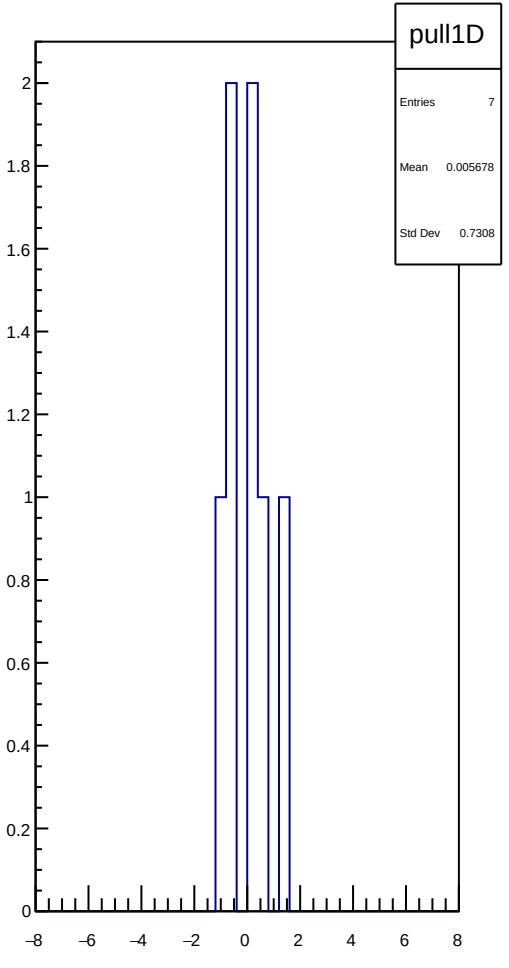

dit_asym_us_dd_rms vs run
χ² / ndf 6.921 / 6
p0 879.6 ± 2.344
900
895
890
885
880
875
870
865
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

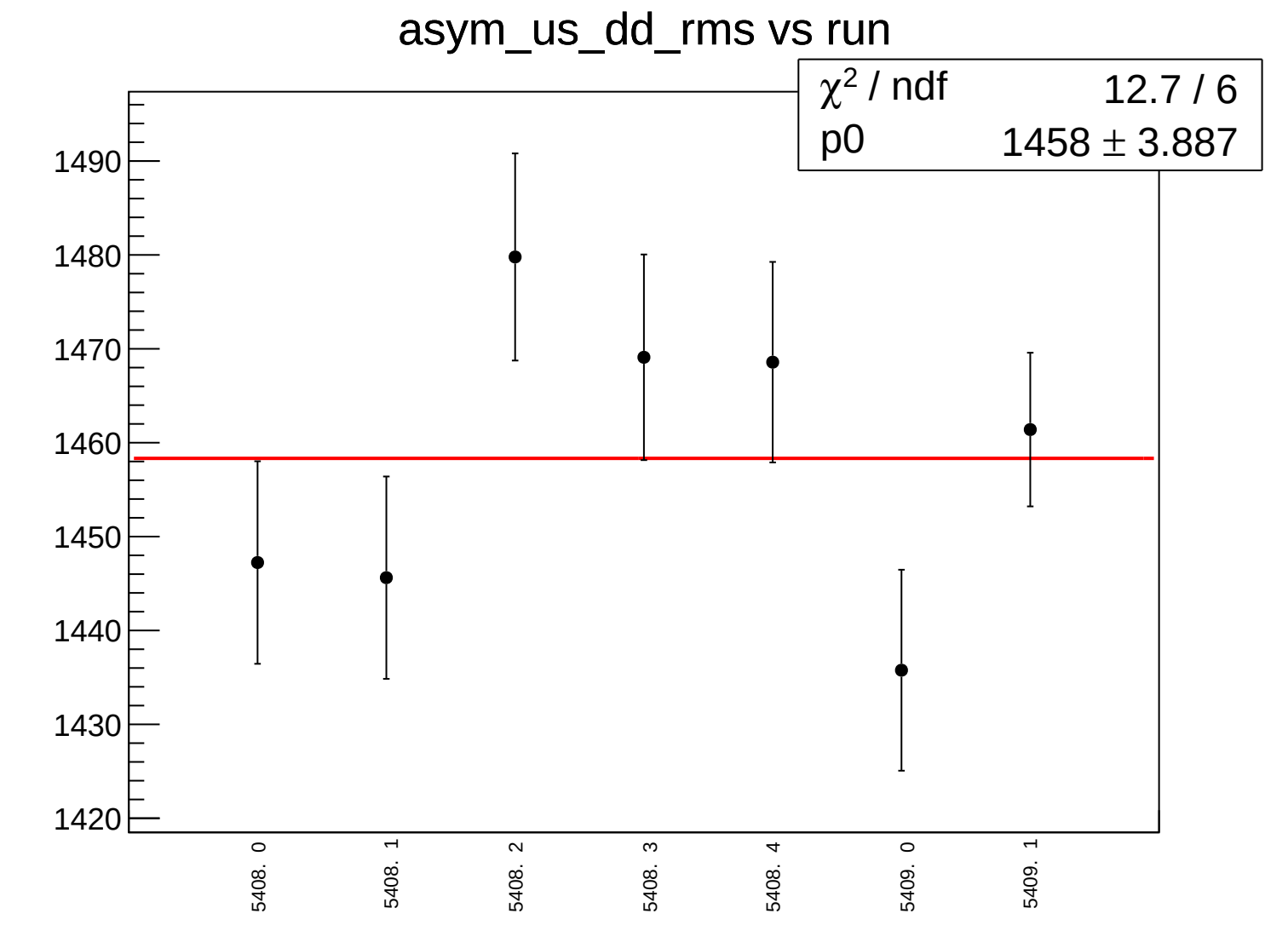

asym_us_dd_correction_mean vs run
χ² / ndf 3.325 / 6
p0 −425.6 ± 5923
40000
30000
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 11.56
Std Dev 8.843
1
0.5
0
−0.5
−1

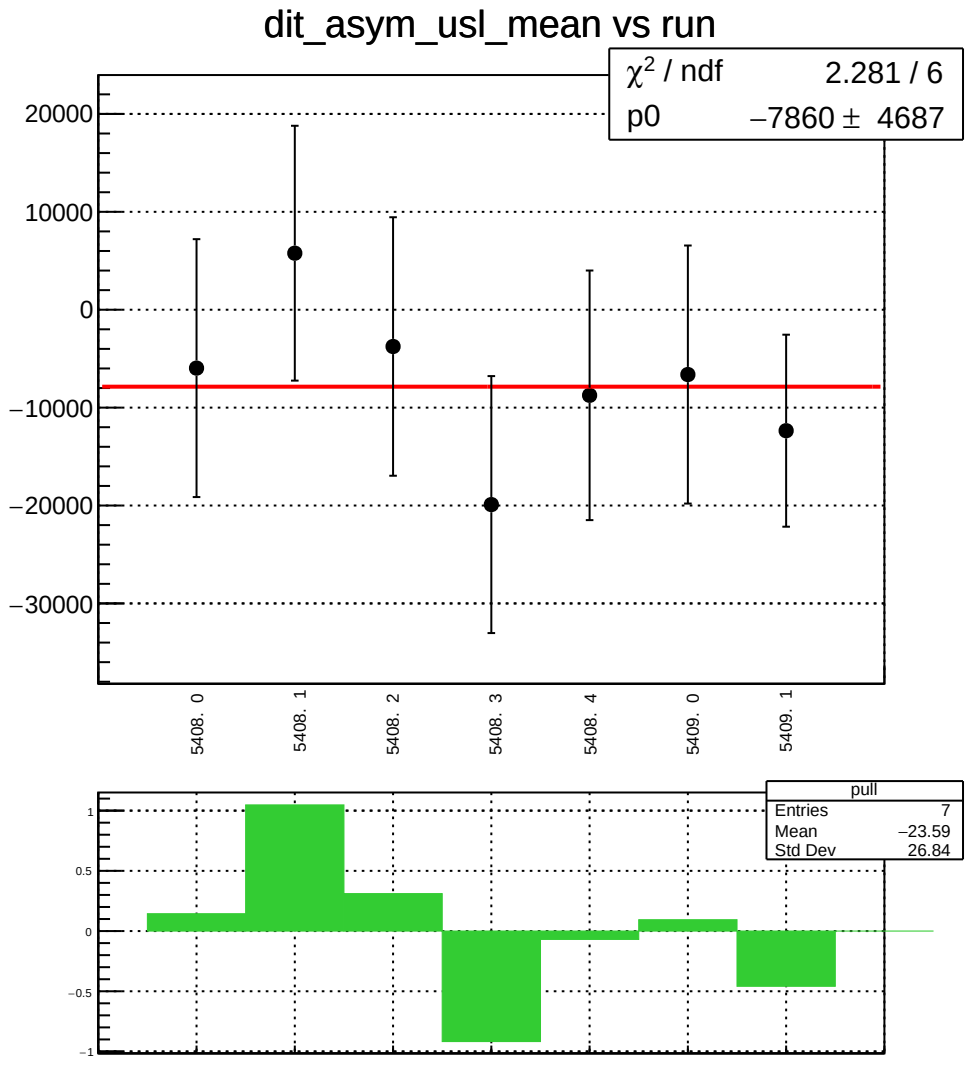

pull1D
Entries 7
Mean 0.02987
Std Dev 0.6885
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

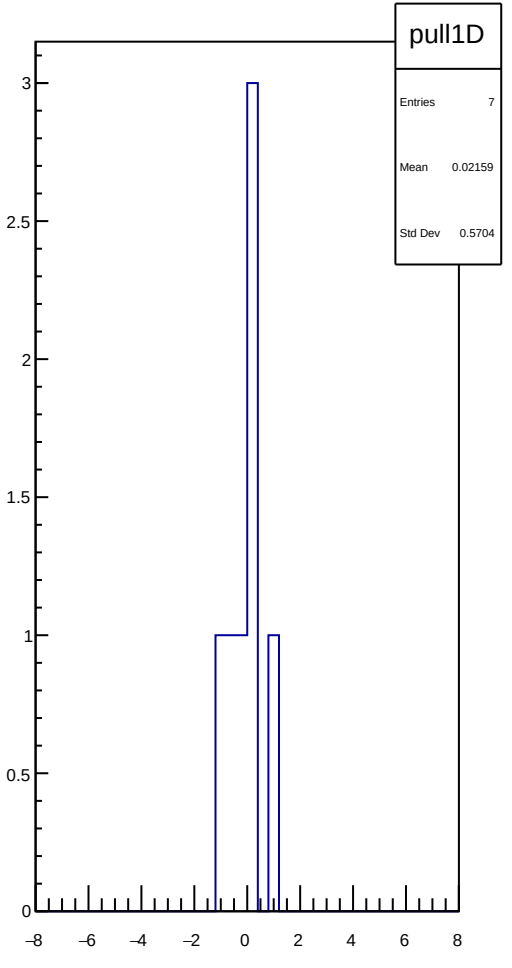

asym_us_dd_correction_rms vs run
χ² / ndf 11.01 / 6
p0 1572 ± 4.188
1610
1600
1590
1580
1570
1560
1550
1540
1530
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

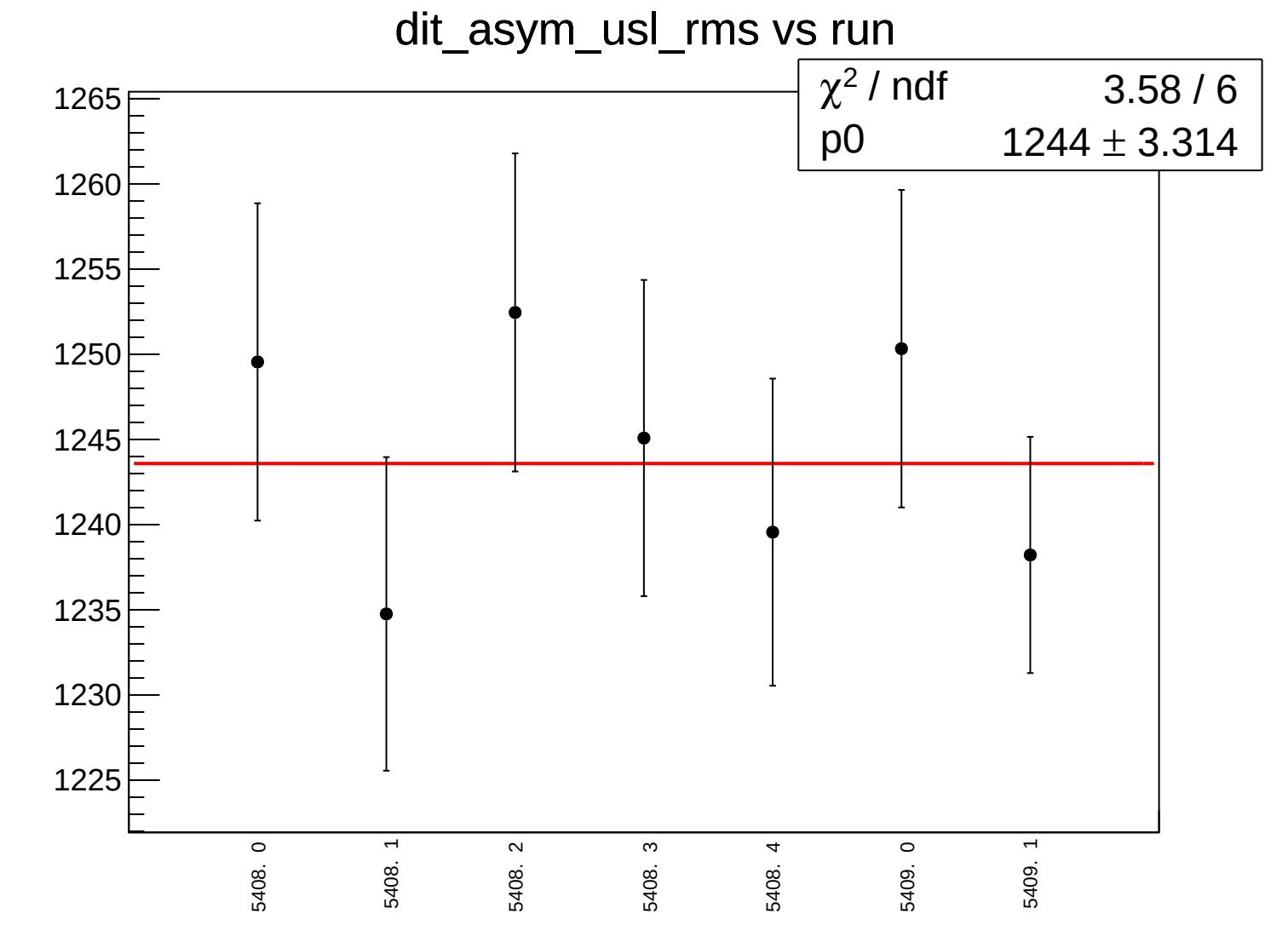

asym_us_dd_mean vs run
χ² / ndf 3.738 / 6
p0 3230 ± 5497
40000
30000
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 34.45
Std Dev 33.04
1
0.5
0
−0.5
−1

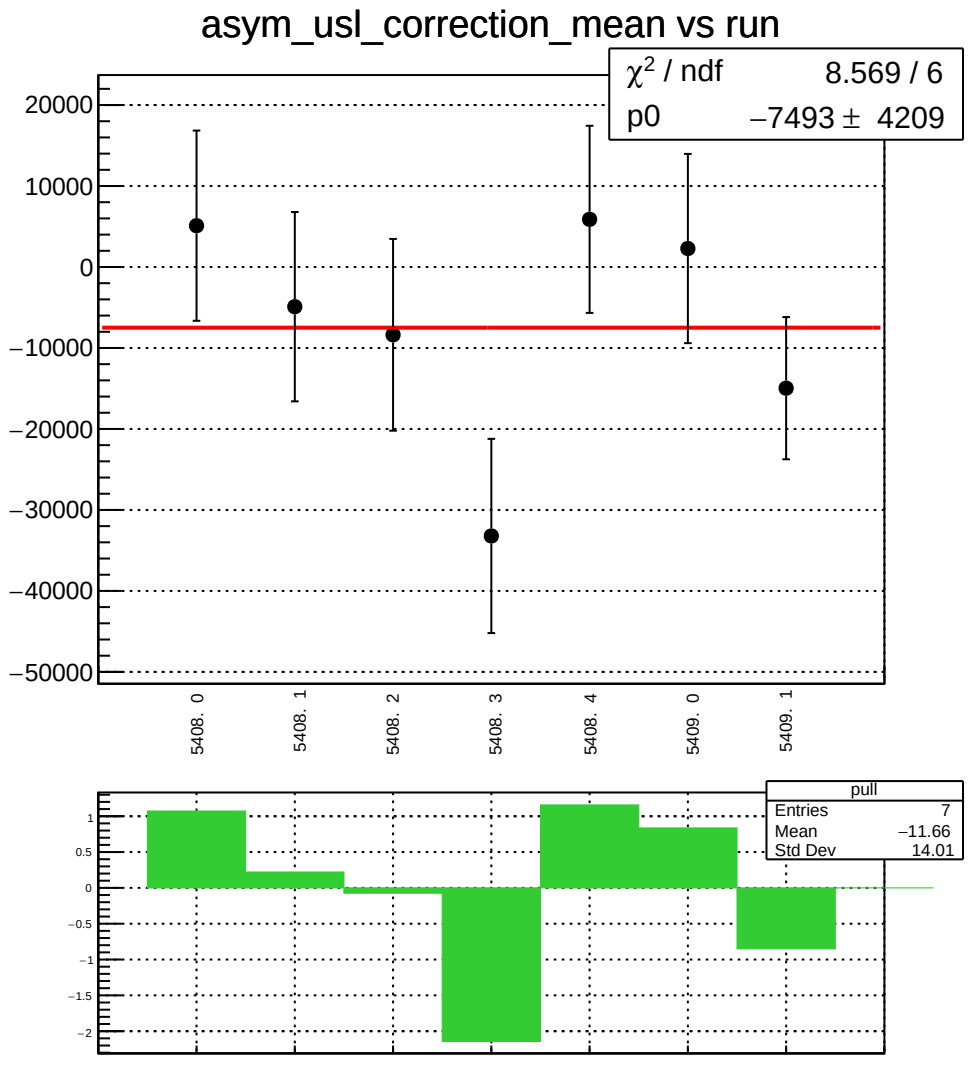

pull1D
Entries 7
Mean 0.005678
Std Dev 0.7308
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

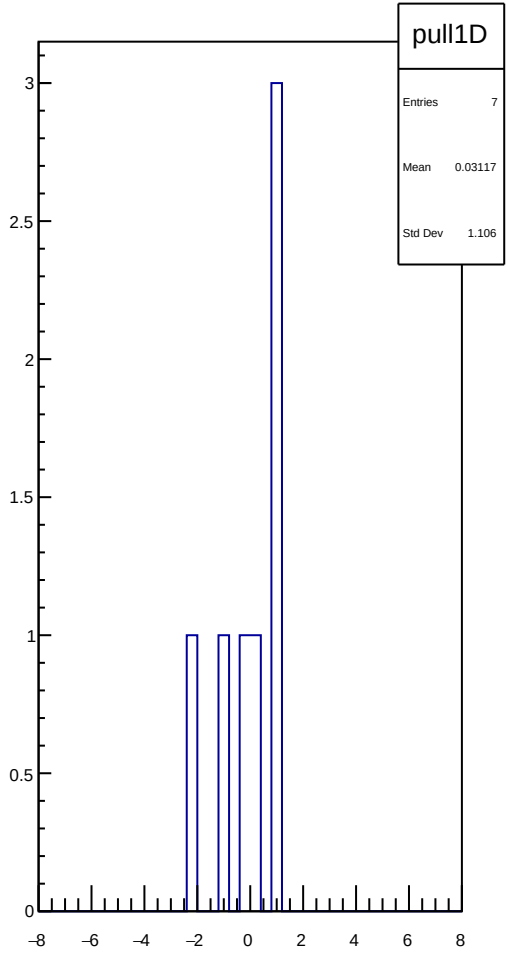

asym_us_dd_rms vs run
χ² / ndf 12.7 / 6
p0 1458 ± 3.887
1490
1480
1470
1460
1450
1440
1430
1420
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

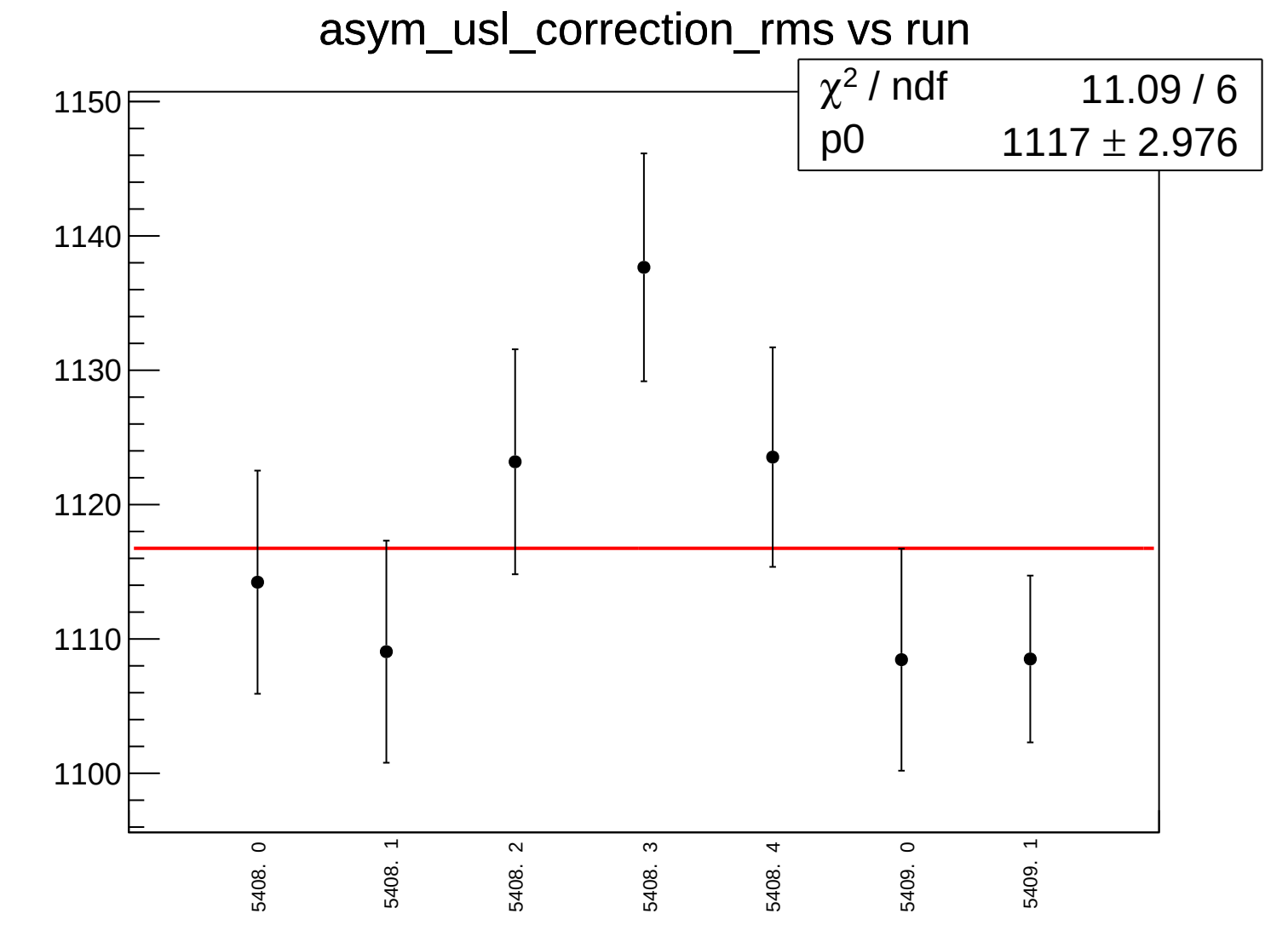

dit_asym_usl_mean vs run
χ² / ndf 2.281 / 6
p0 −7860 ± 4687
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −23.59
Std Dev 26.84
1
0.5
0
−0.5
−1

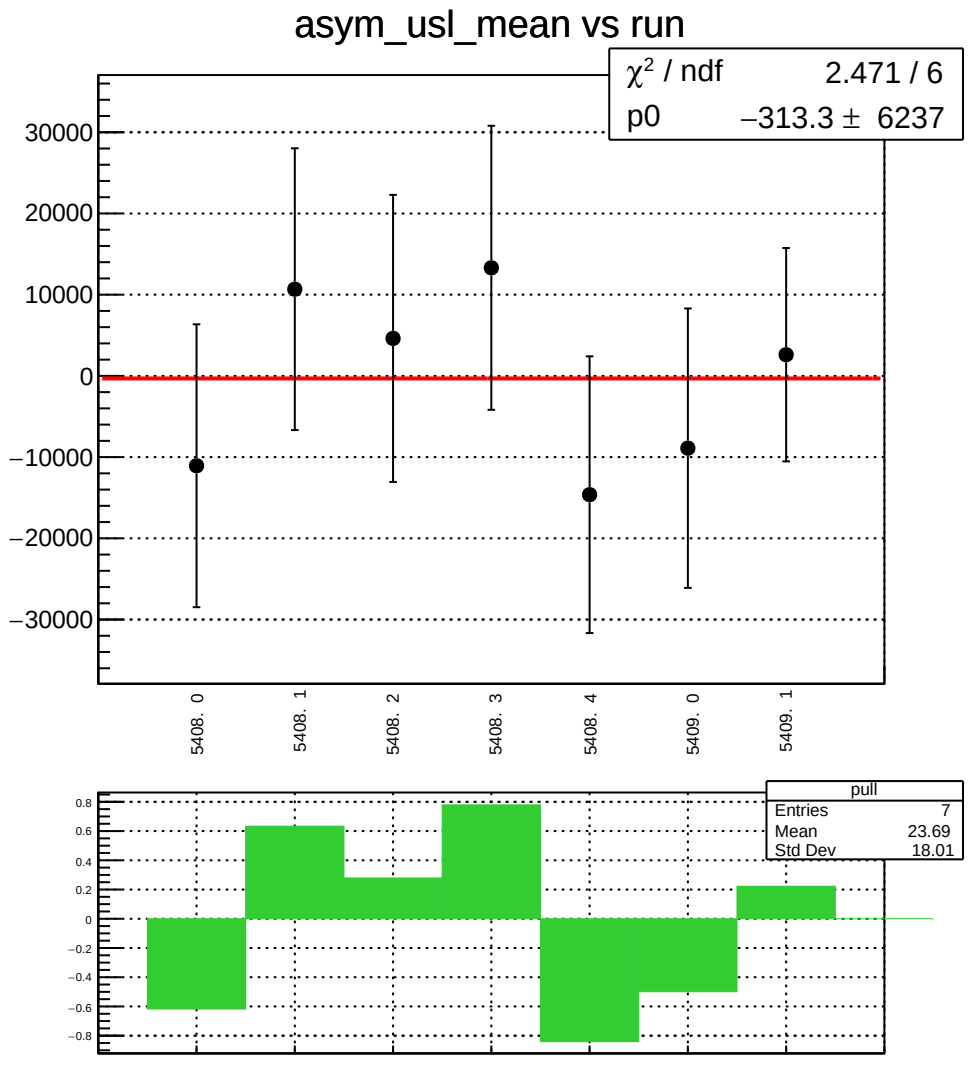

pull1D
Entries 7
Mean 0.02159
Std Dev 0.5704
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

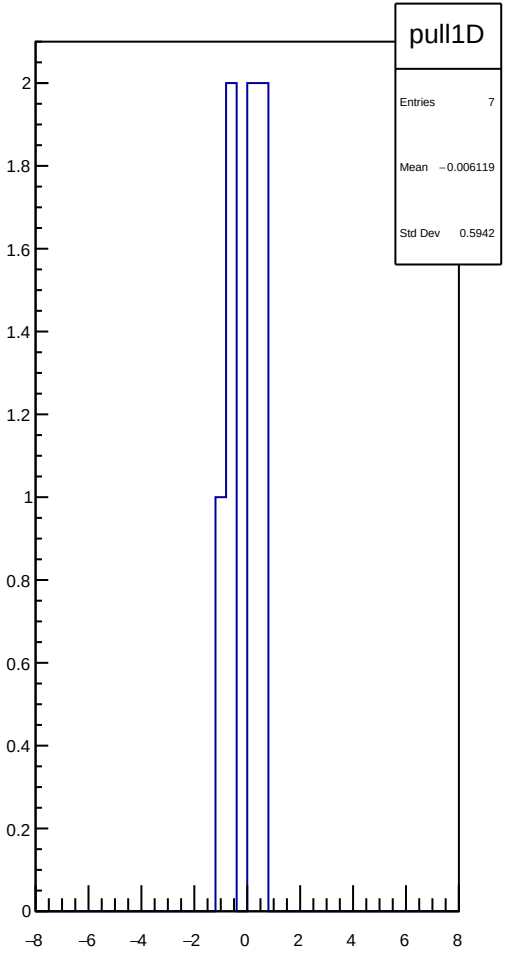

dit_asym_usl_rms vs run
χ² / ndf 3.58 / 6
p0 1244 ± 3.314
1265
1260
1255
1250
1245
1240
1235
1230
1225
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

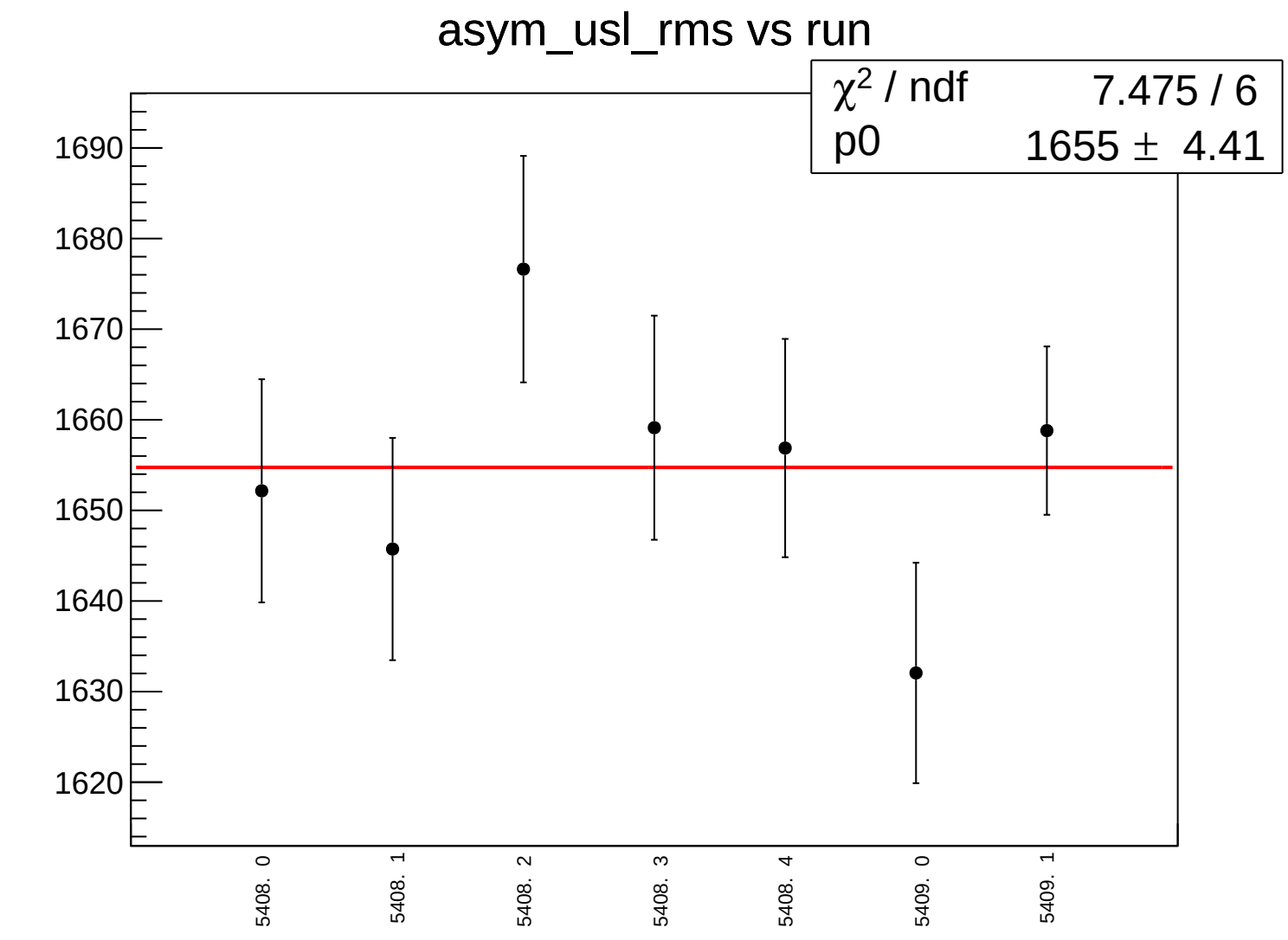

asym_usl_correction_mean vs run
χ² / ndf 8.569 / 6
p0 −7493 ± 4209
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −11.66
Std Dev 14.01
1
0.5
0
−0.5
−1
−1.5
−2

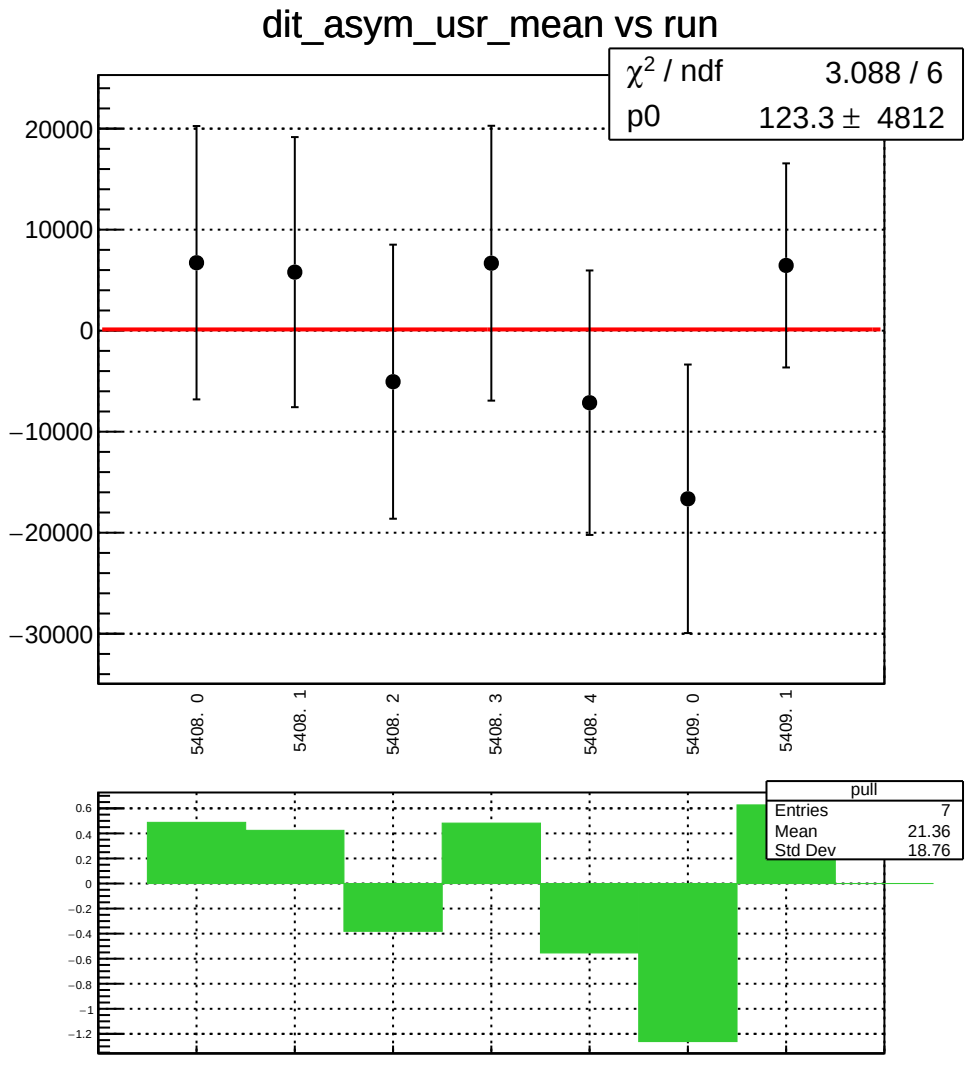

pull1D
Entries 7
Mean 0.03117
Std Dev 1.106
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

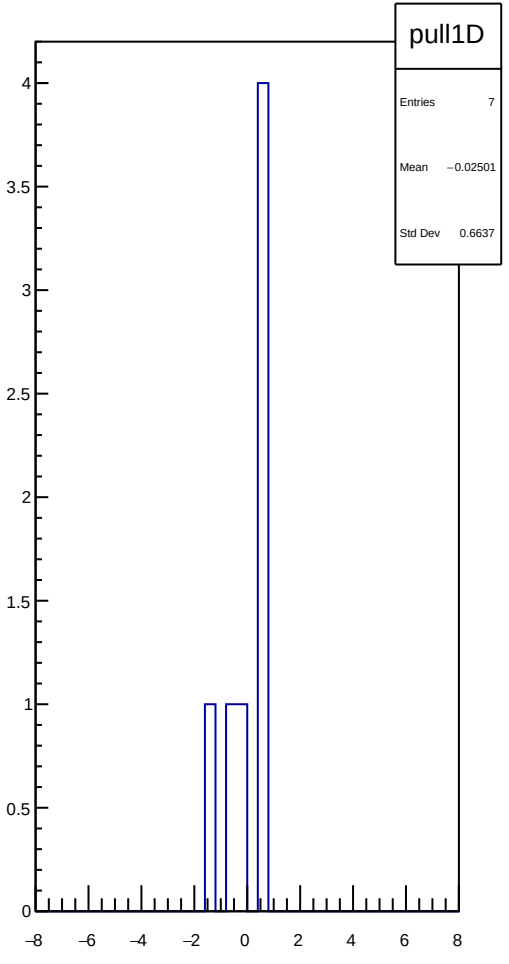

asym_usl_correction_rms vs run
χ² / ndf 11.09 / 6
p0 1117 ± 2.976
1150
1140
1130
1120
1110
1100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

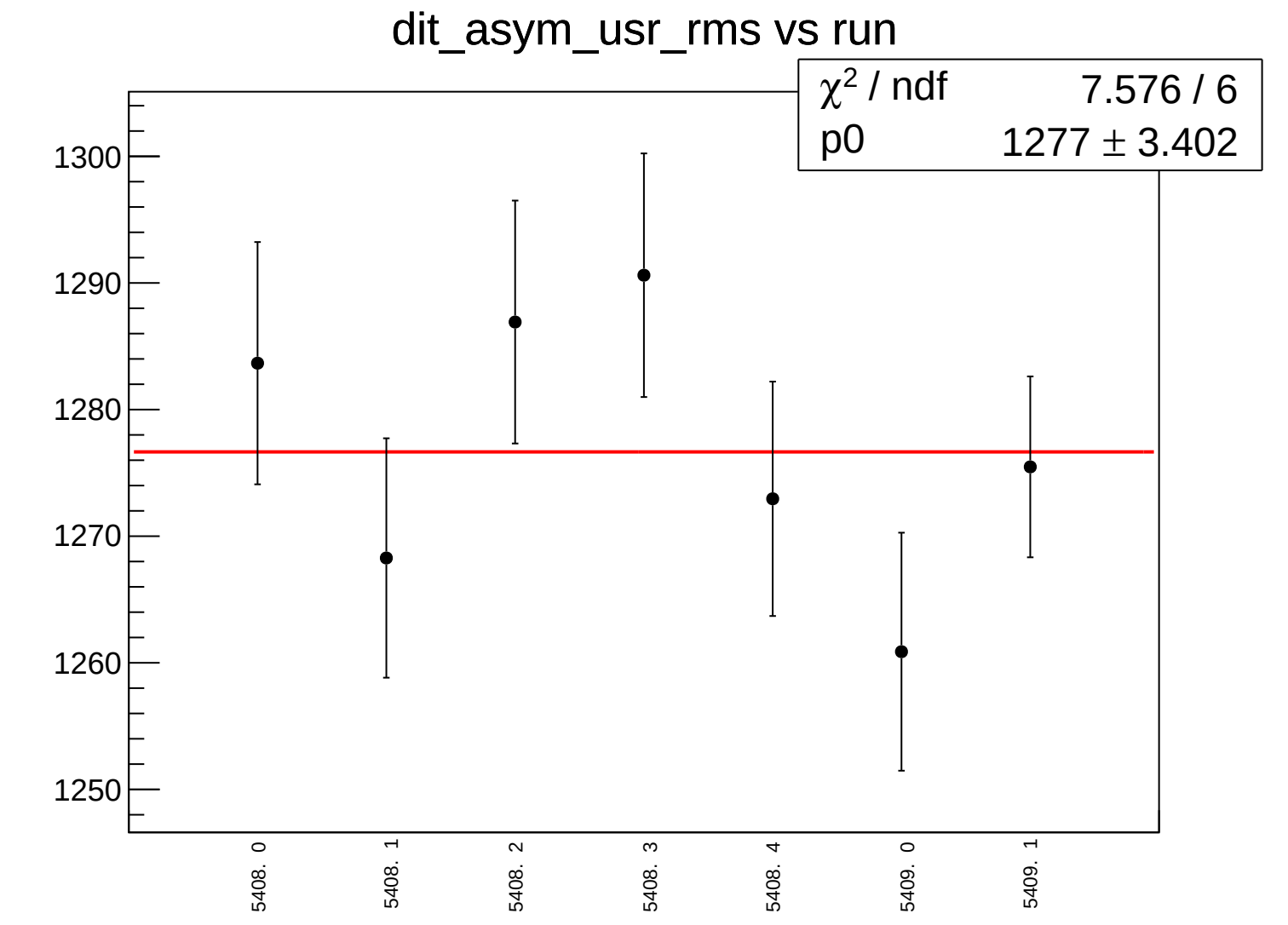

asym_usl_mean vs run
χ² / ndf 2.471 / 6
p0 −313.3 ± 6237
30000
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 23.69
Std Dev 18.01
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

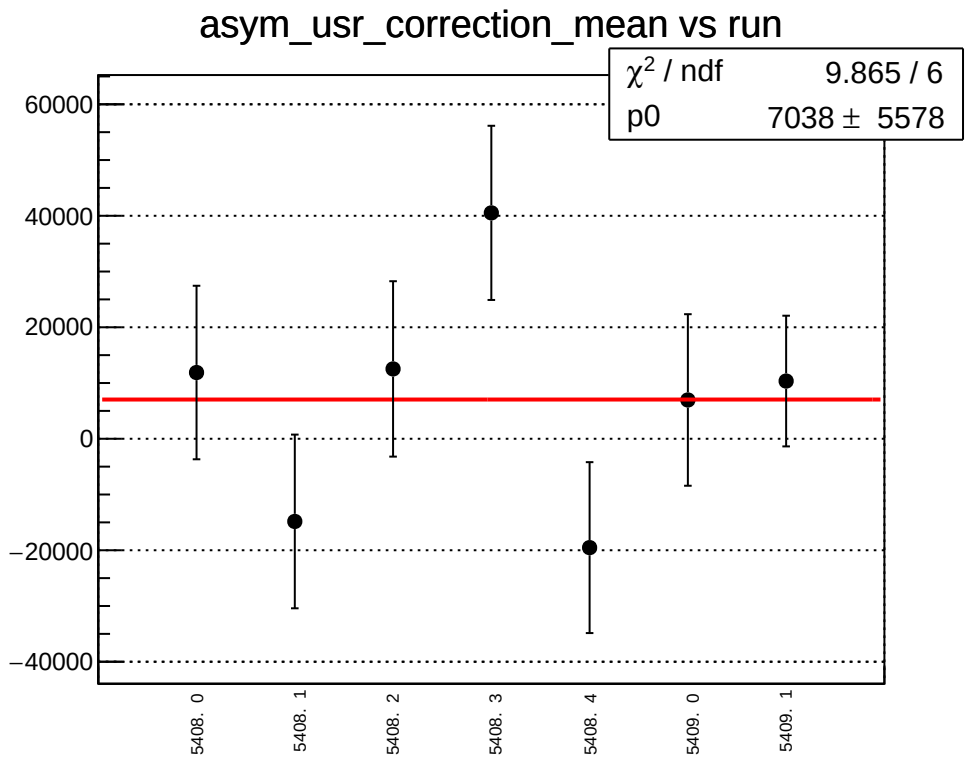

pull1D
Entries 7
Mean −0.006119
Std Dev 0.5942
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

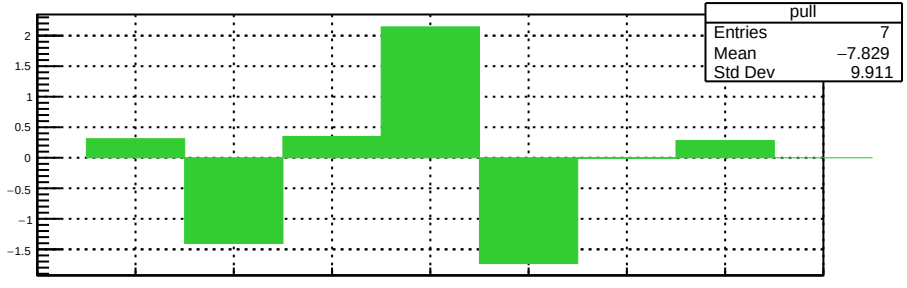

asym_usl_rms vs run
χ² / ndf 7.475 / 6
p0 1655 ± 4.41
1690
1680
1670
1660
1650
1640
1630
1620
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

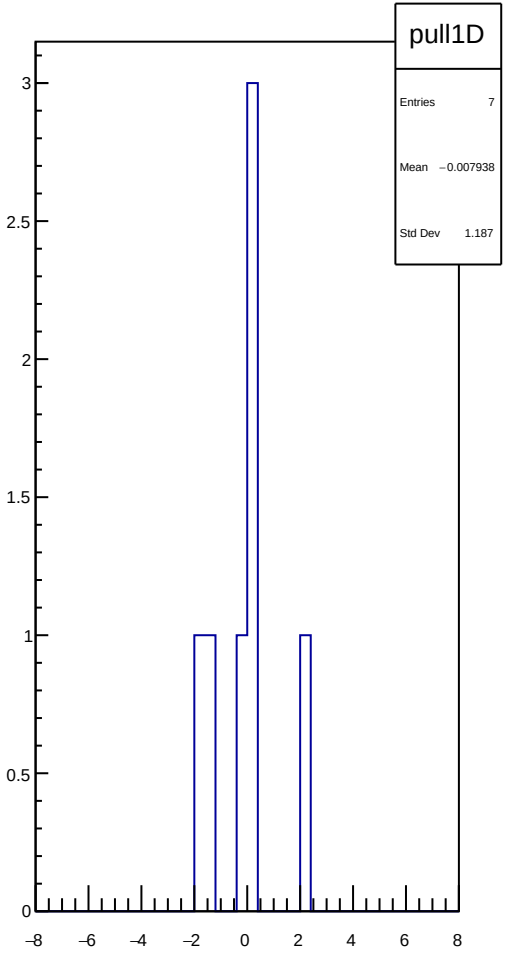

dit_asym_usr_mean vs run
χ² / ndf 3.088 / 6
p0 123.3 ± 4812
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 21.36
Std Dev 18.76
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

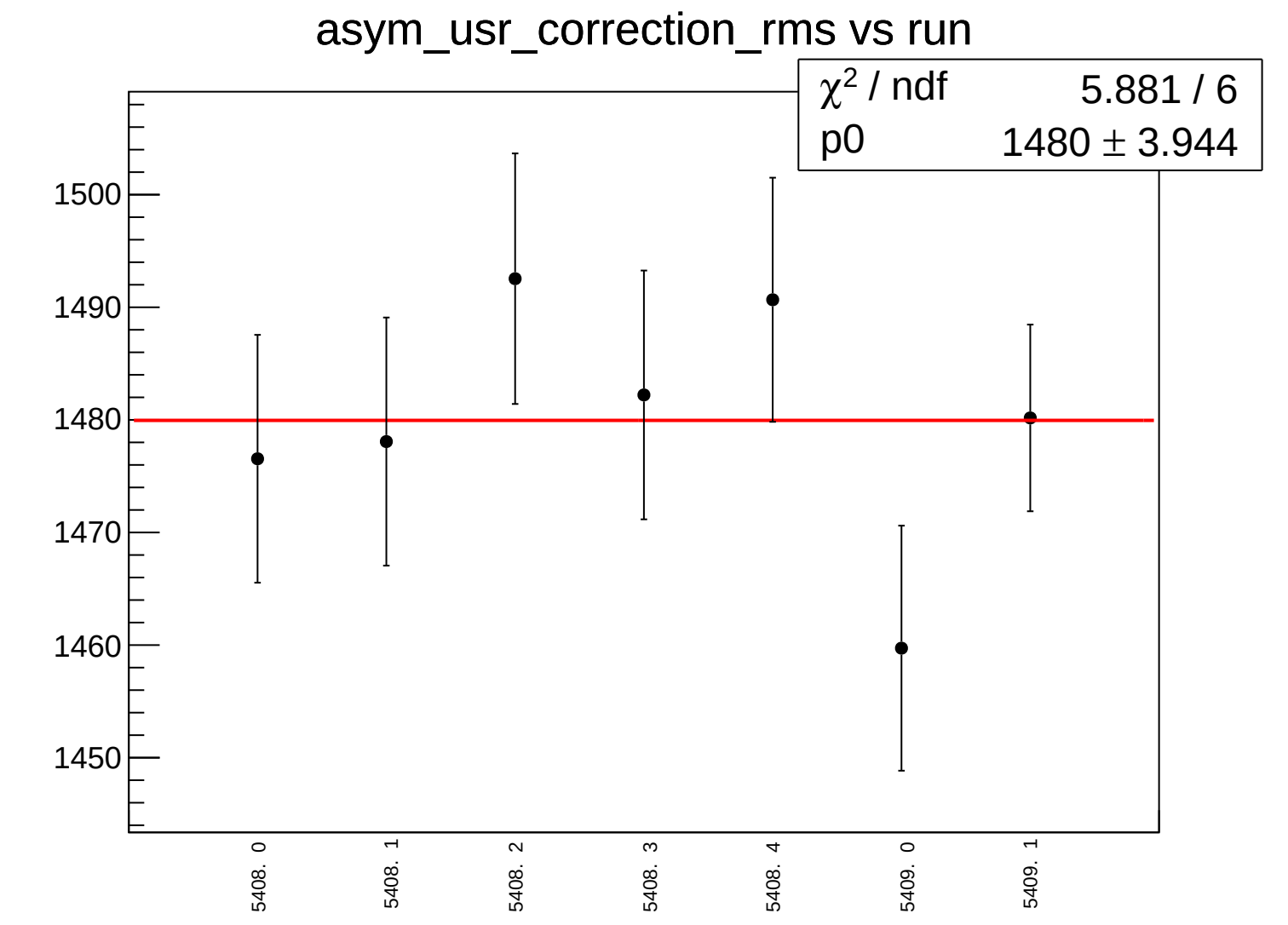

pull1D
Entries 7
Mean −0.02501
Std Dev 0.6637
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

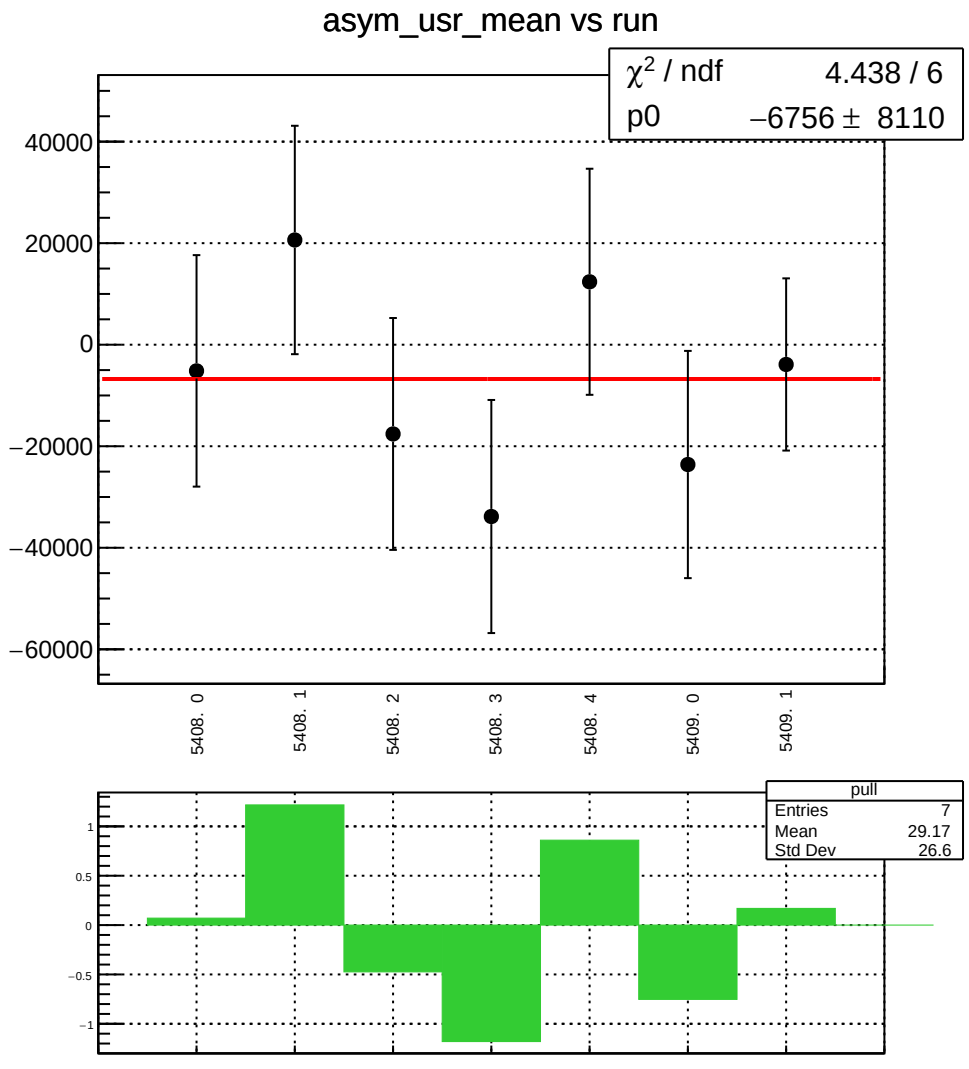

dit_asym_usr_rms vs run
χ² / ndf 7.576 / 6
p0 1277 ± 3.402
1300
1290
1280
1270
1260
1250
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

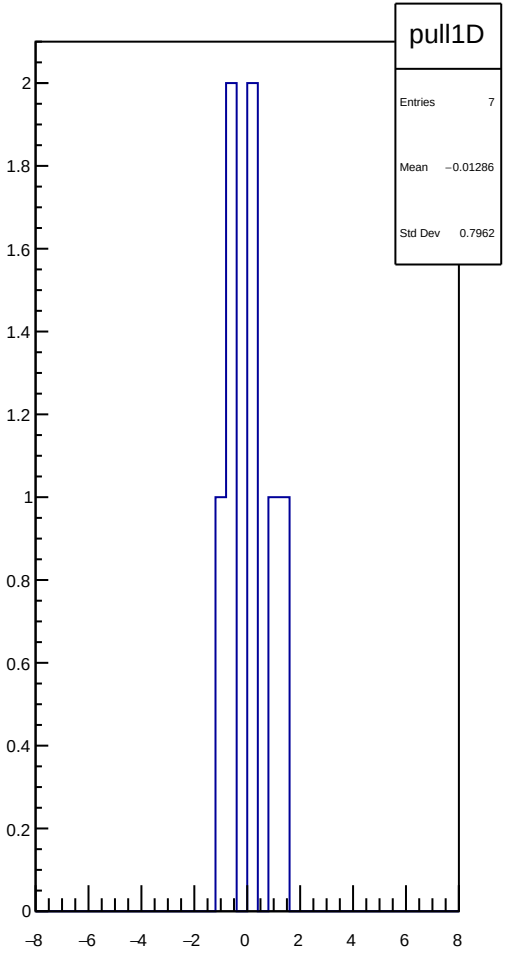

asym_usr_correction_mean vs run
χ² / ndf 9.865 / 6
p0 7038 ± 5578
60000
40000
20000
0
−20000
−40000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

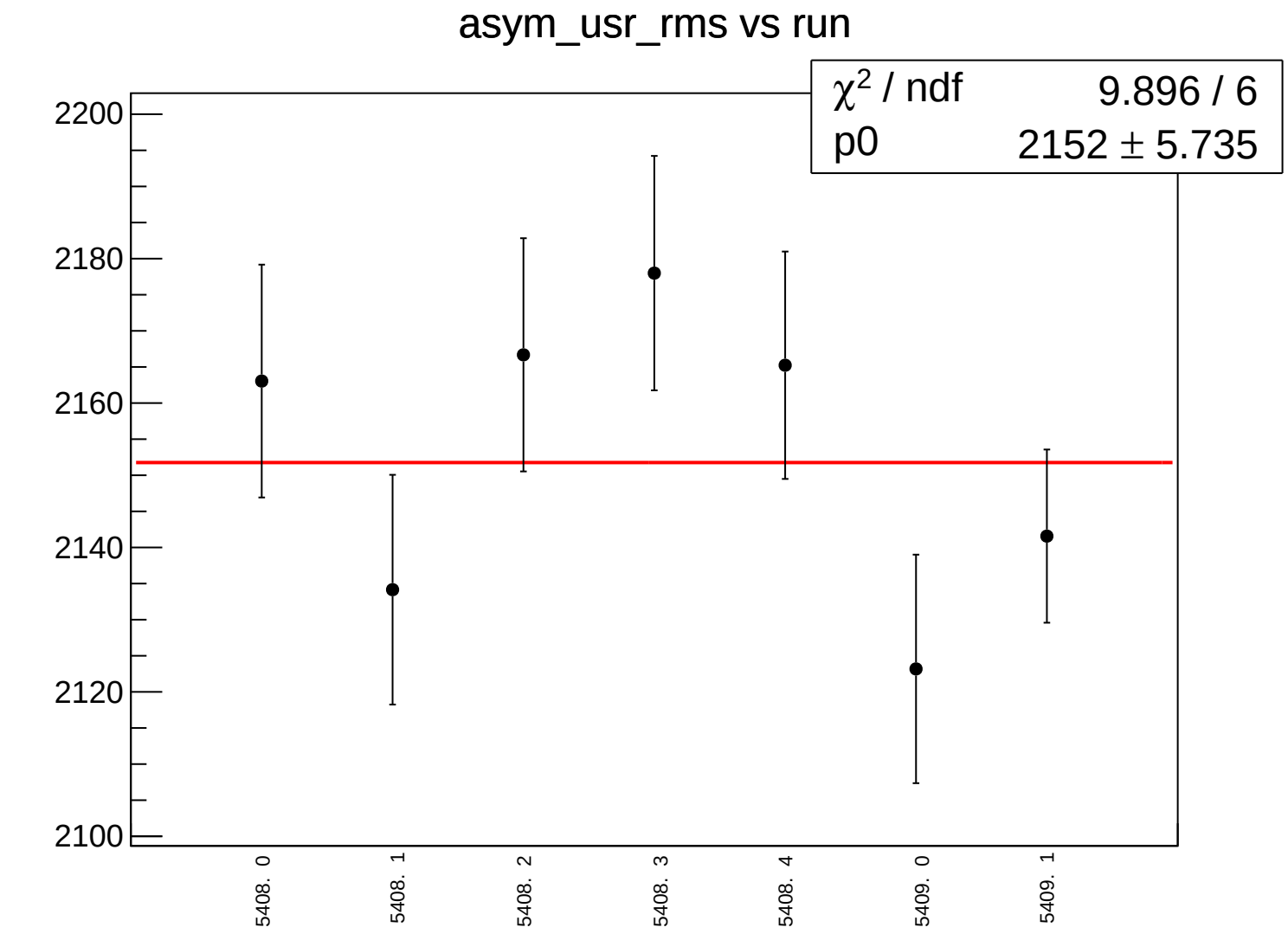

pull
Entries 7
Mean −7.829
Std Dev 9.911
2
1.5
1
0.5
0
−0.5
−1
−1.5

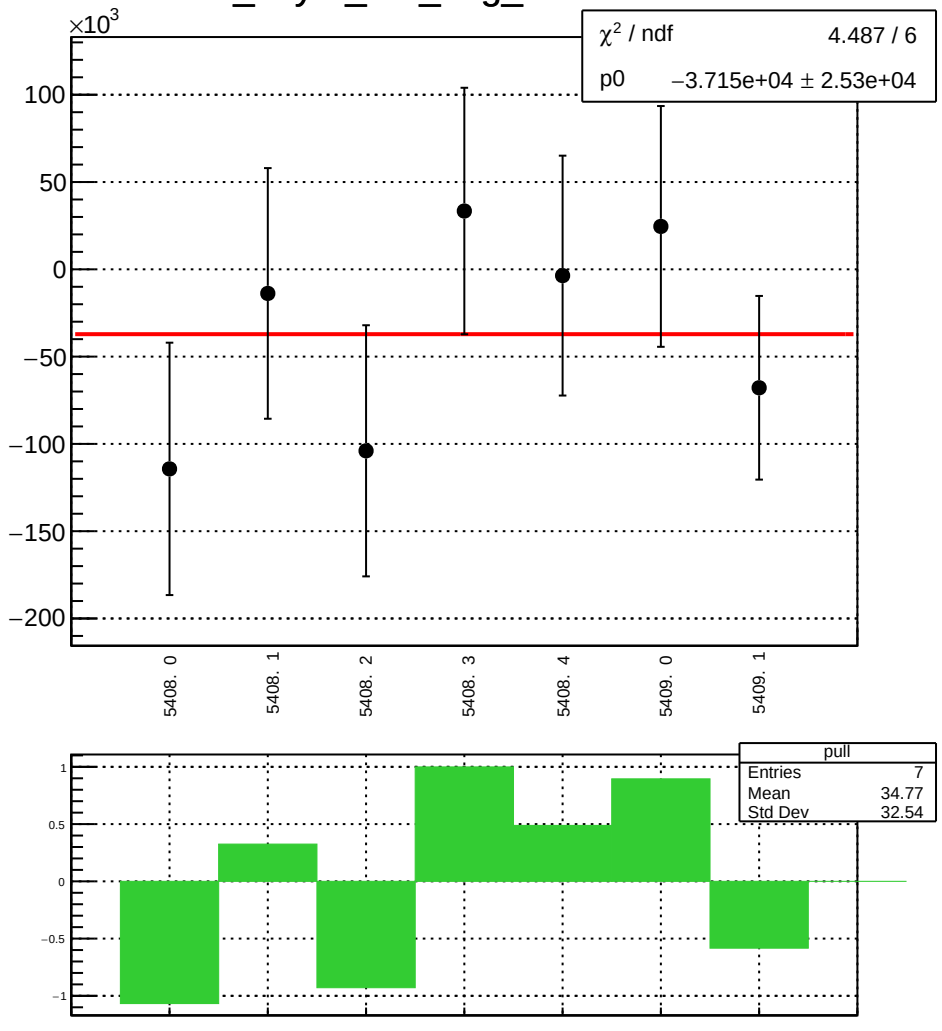

pull1D
Entries 7
Mean −0.007938
Std Dev 1.187
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

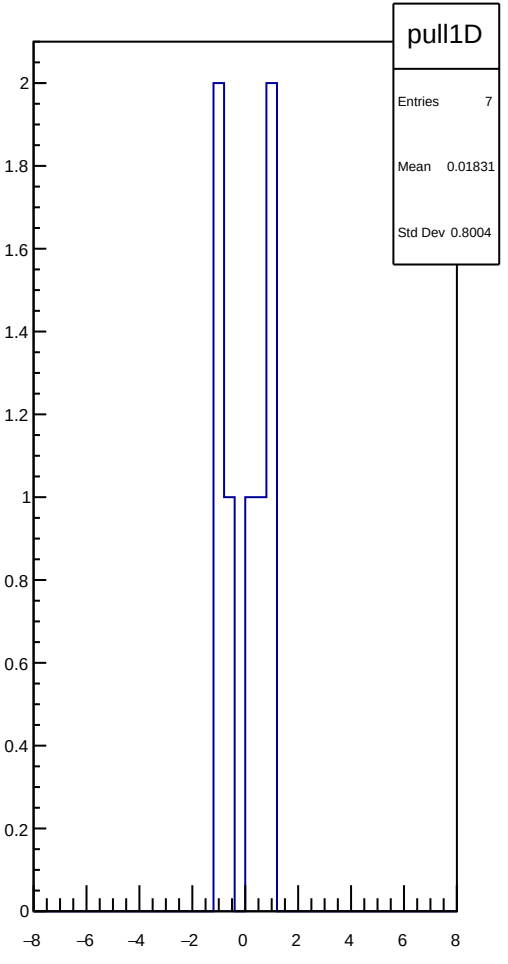

asym_usr_correction_rms vs run
χ² / ndf 5.881 / 6
p0 1480 ± 3.944
1500
1490
1480
1470
1460
1450
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

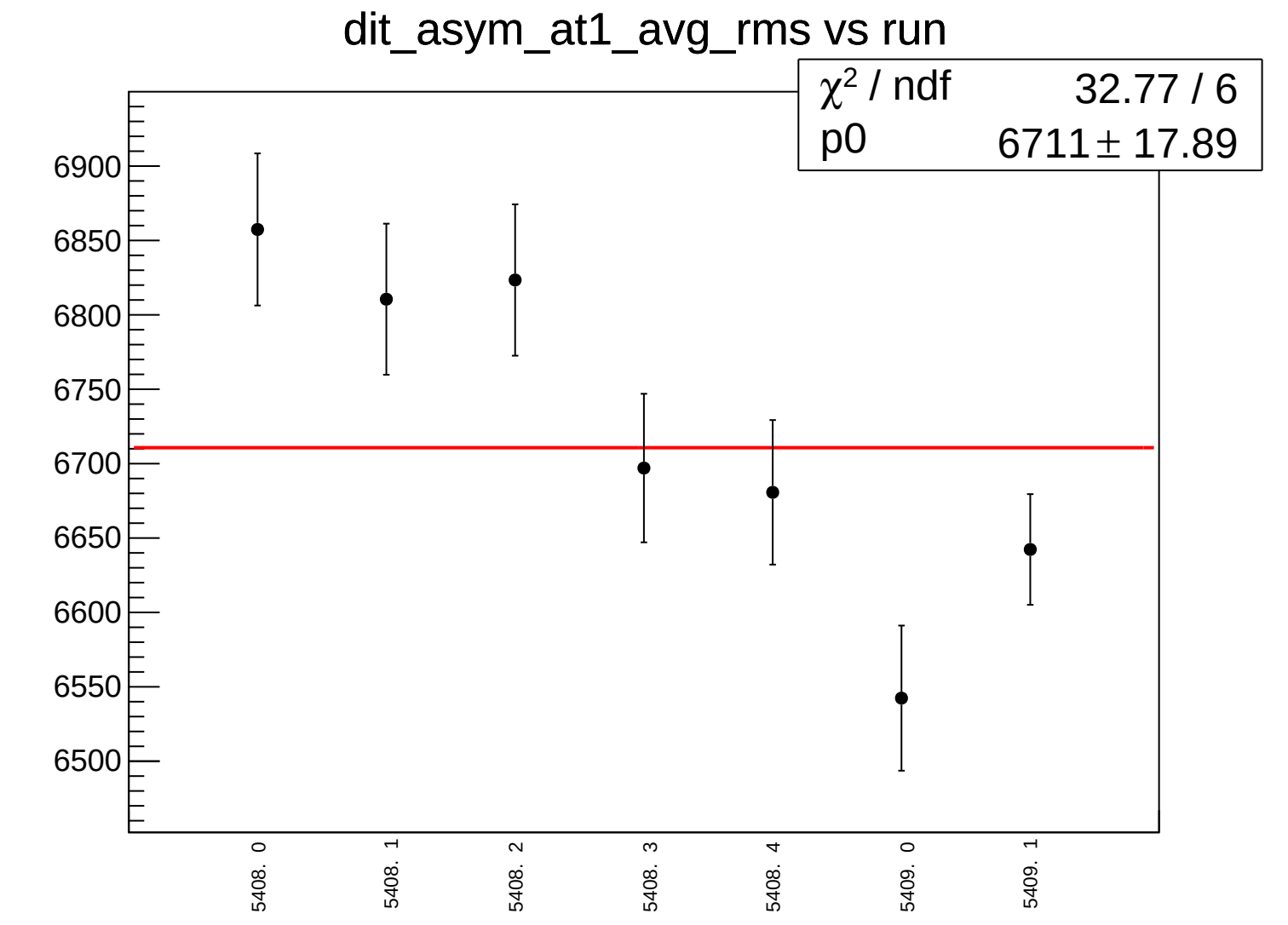

asym_usr_mean vs run
χ² / ndf 4.438 / 6
p0 −6756 ± 8110
40000
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 29.17
Std Dev 26.6
1
0.5
0
−0.5
−1

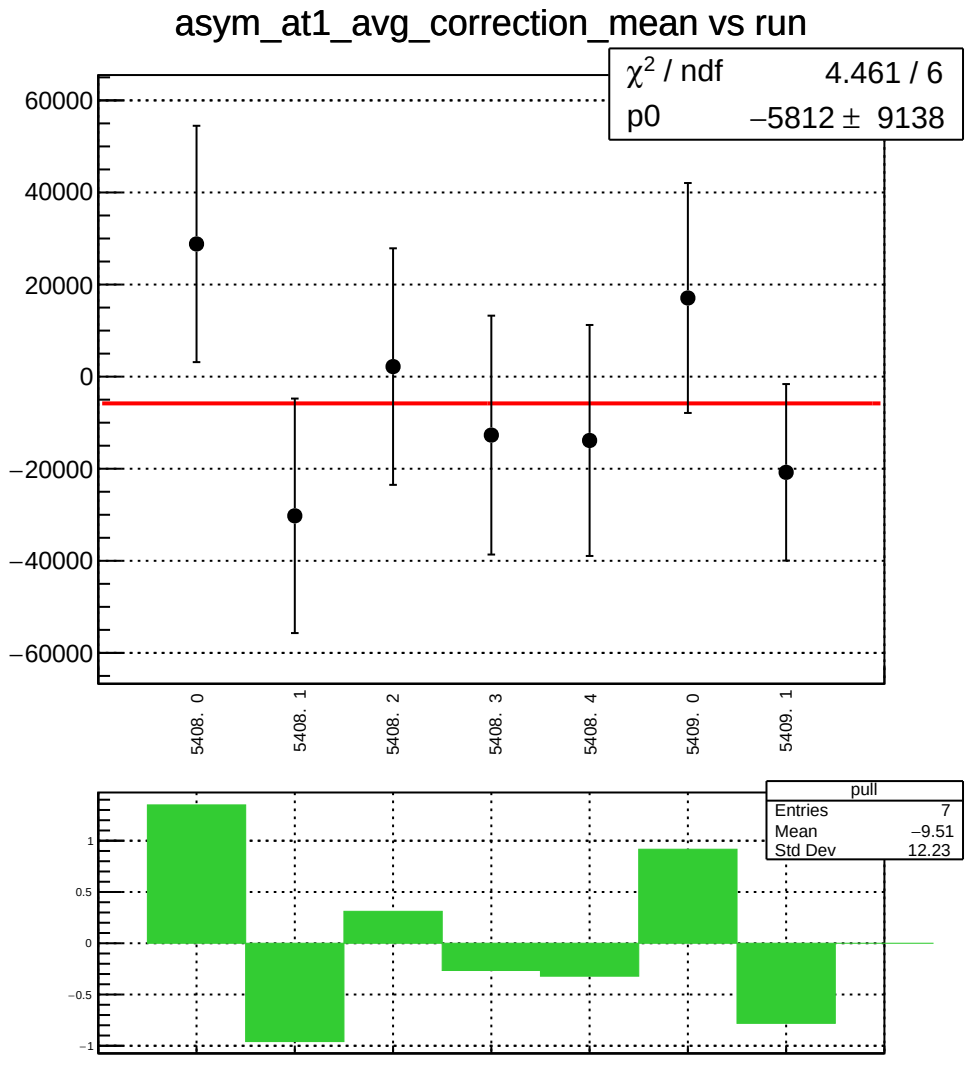

pull1D
Entries 7
Mean −0.01286
Std Dev 0.7962
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

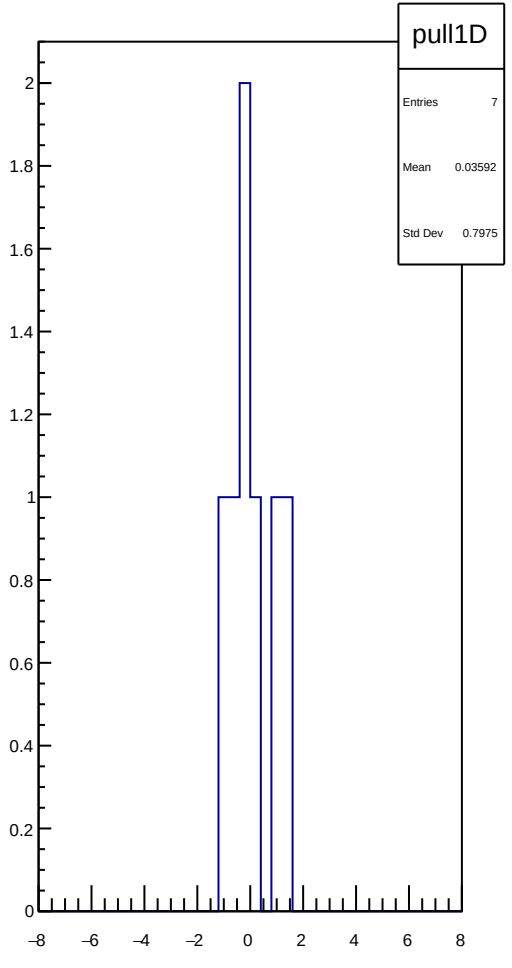

asym_usr_rms vs run
χ² / ndf 9.896 / 6
p0 2152 ± 5.735
2200
2180
2160
2140
2120
2100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

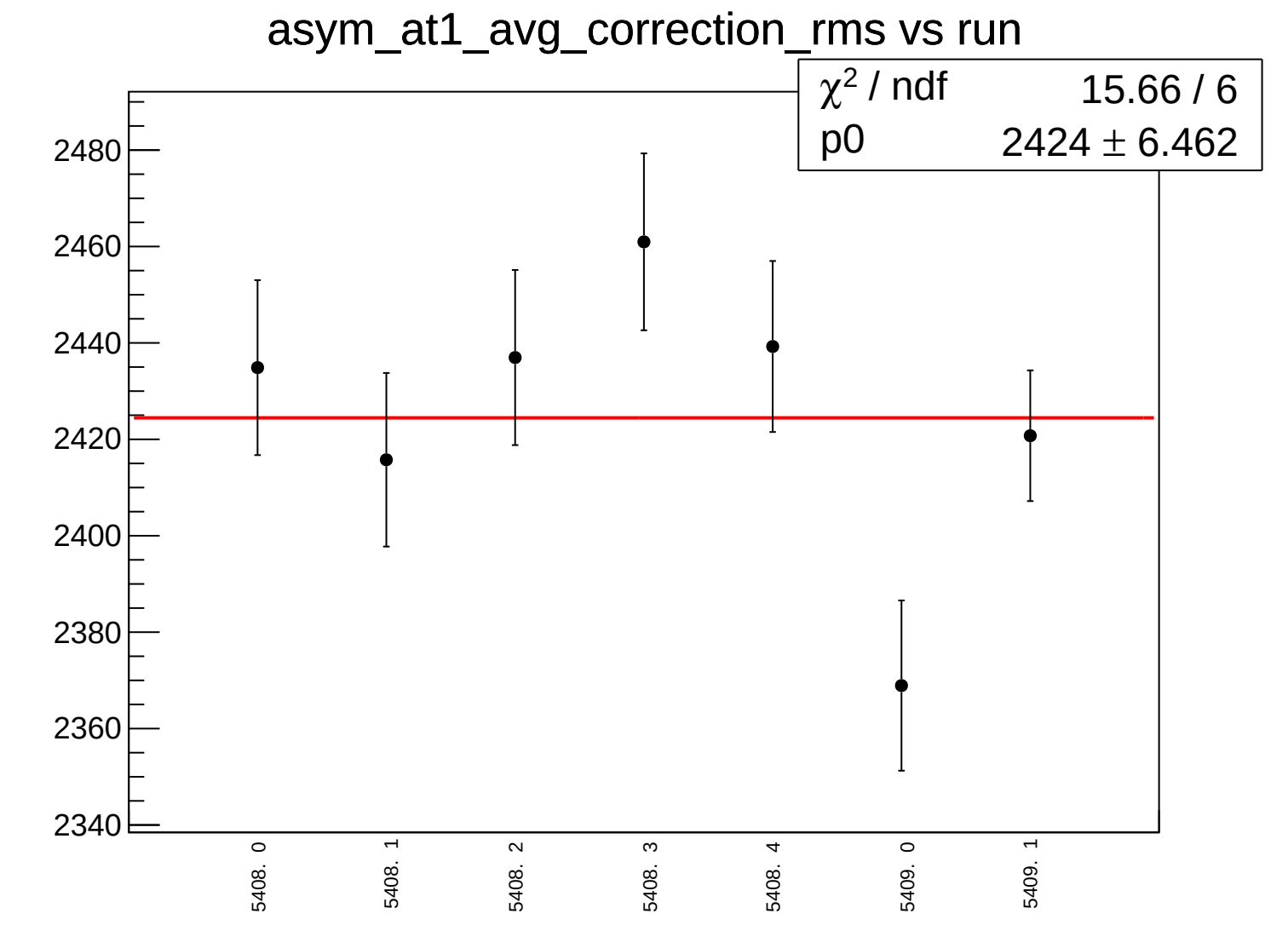

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 4.487 / 6
p0 −3.715e+04 ± 2.53e+04
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 34.77
Std Dev 32.54
1
0.5
0
−0.5
−1

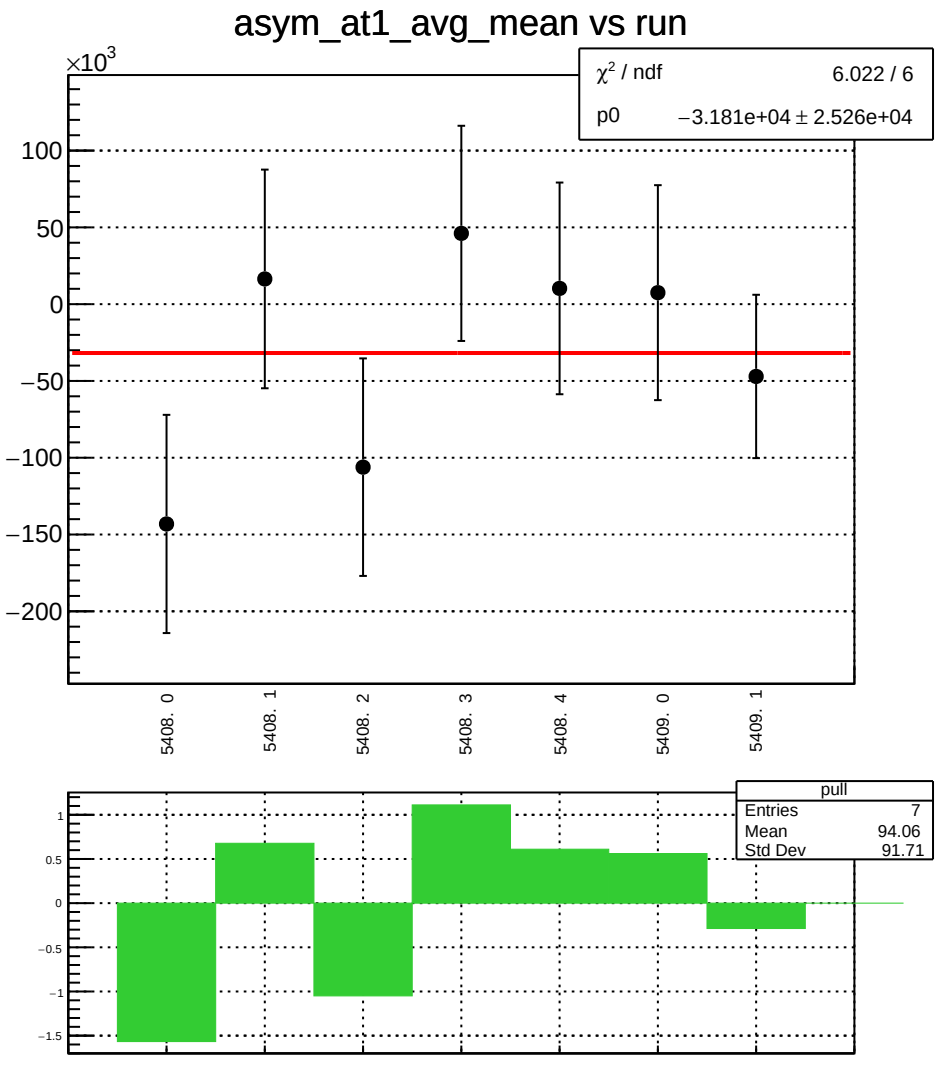

pull1D
Entries 7
Mean 0.01831
Std Dev 0.8004
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

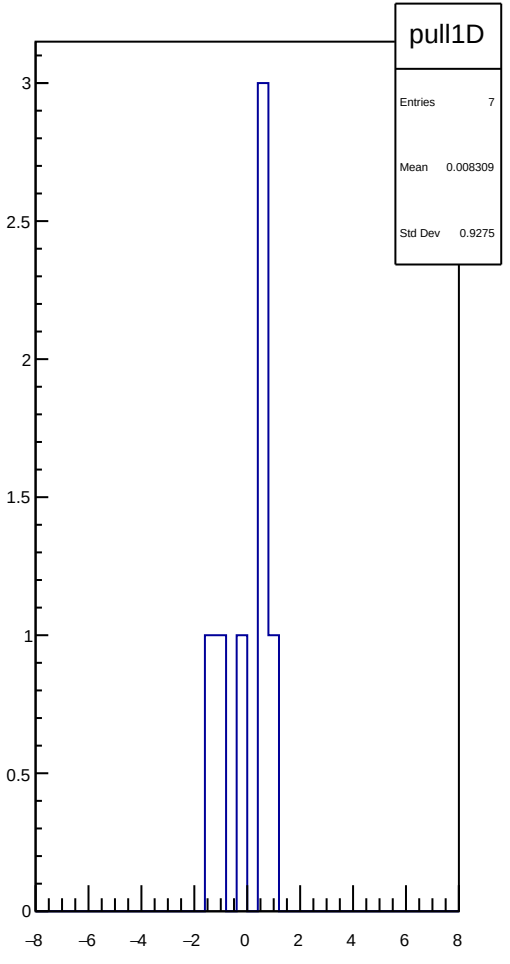

dit_asym_at1_avg_rms vs run
χ² / ndf 32.77 / 6
p0 6711 ± 17.89
6900
6850
6800
6750
6700
6650
6600
6550
6500
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

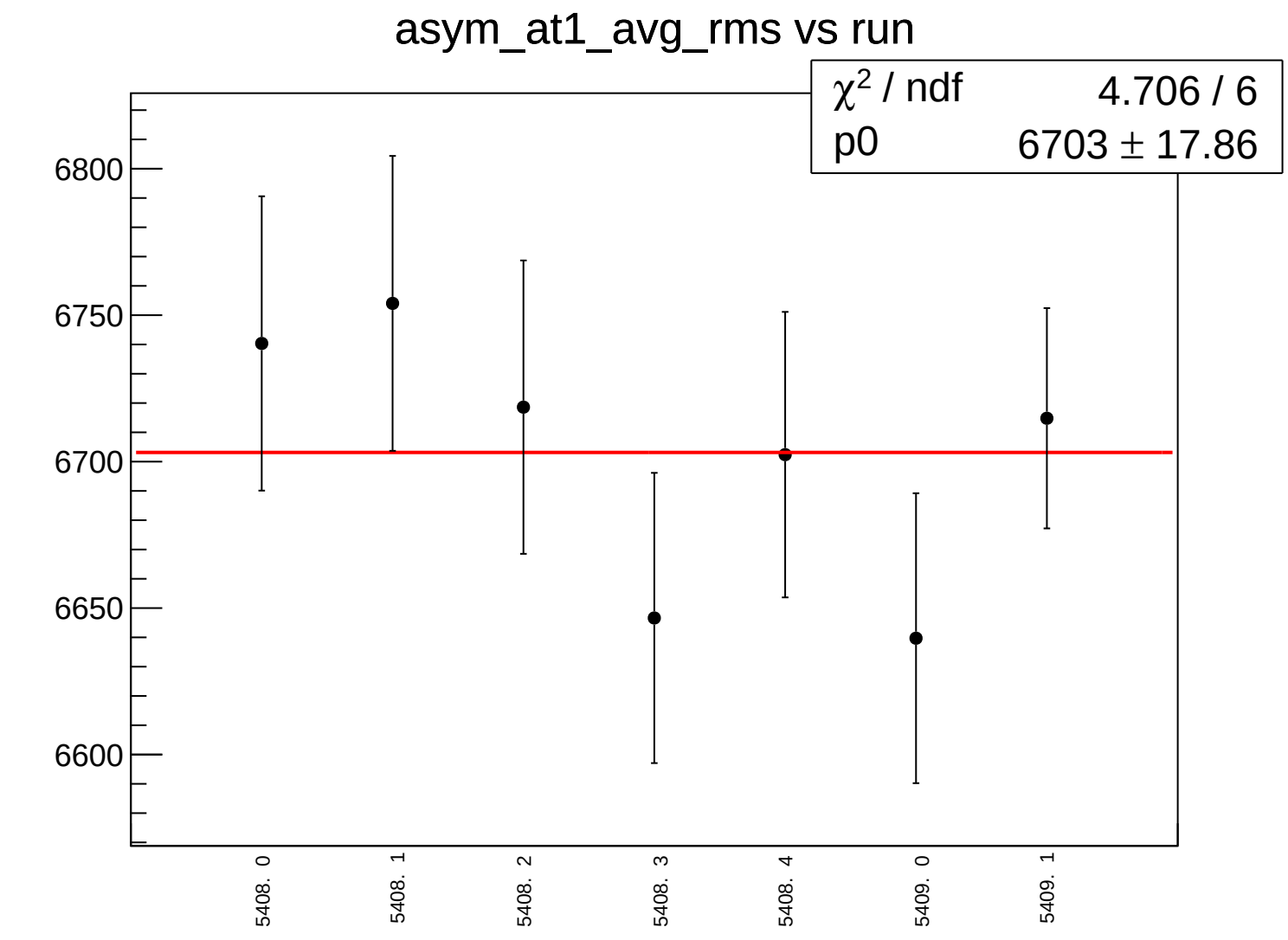

asym_at1_avg_correction_mean vs run
χ² / ndf 4.461 / 6
p0 −5812 ± 9138
60000
40000
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.51
Std Dev 12.23
1
0.5
0
−0.5
−1

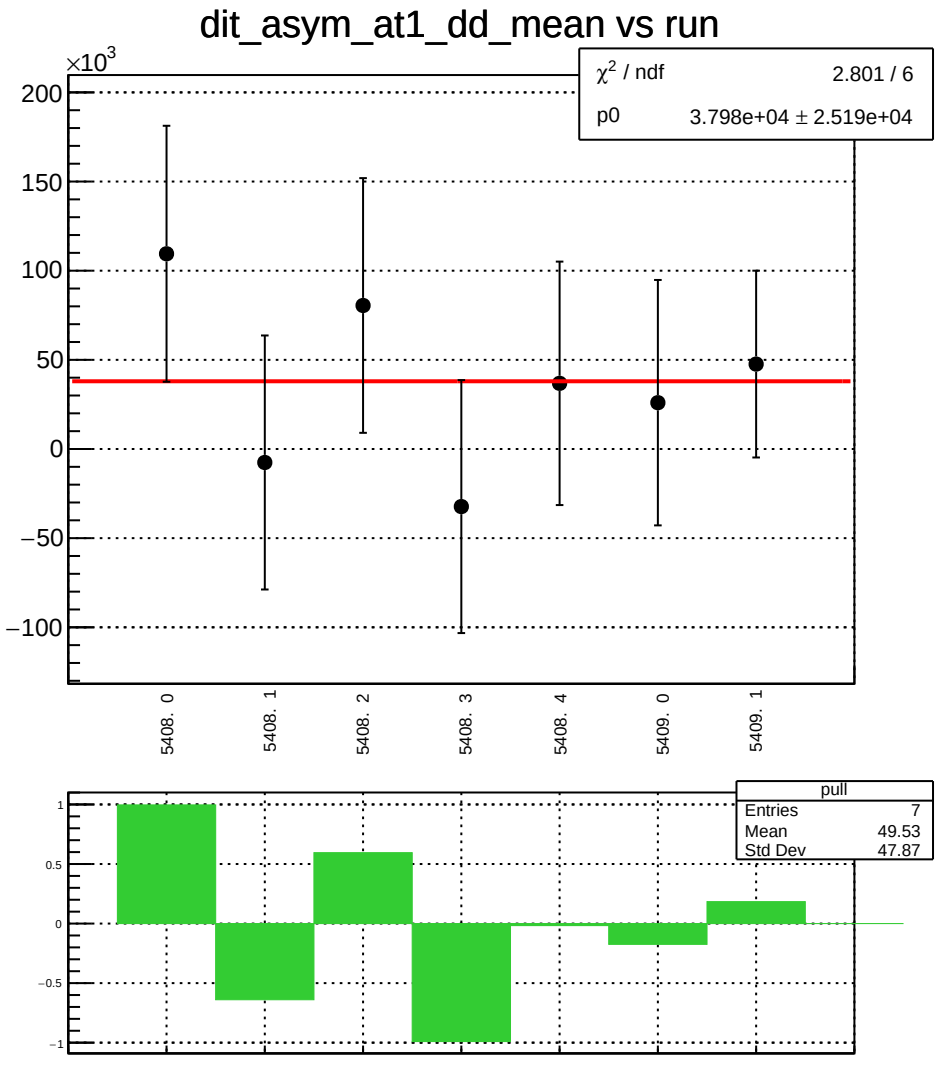

pull1D
Entries 7
Mean 0.03592
Std Dev 0.7975
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

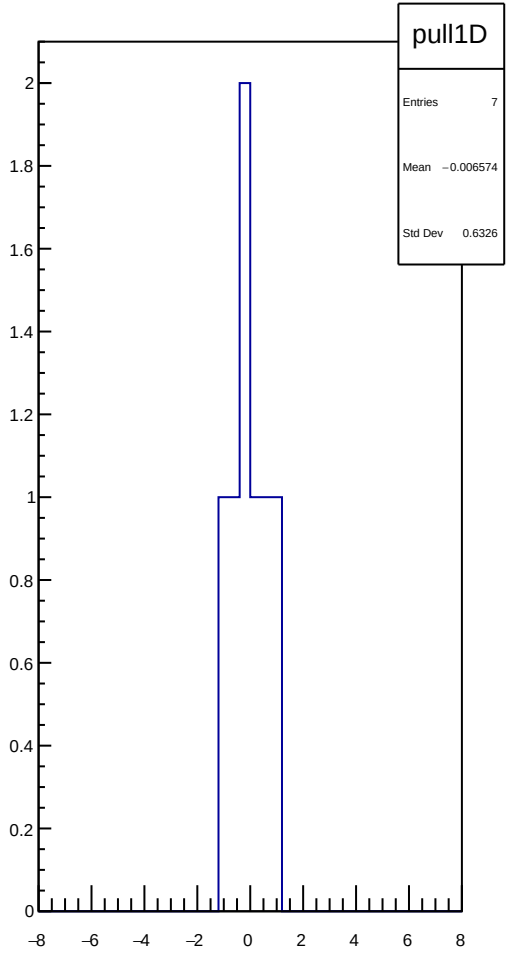

asym_at1_avg_correction_rms vs run
χ² / ndf 15.66 / 6
p0 2424 ± 6.462
2480
2460
2440
2420
2400
2380
2360
2340
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

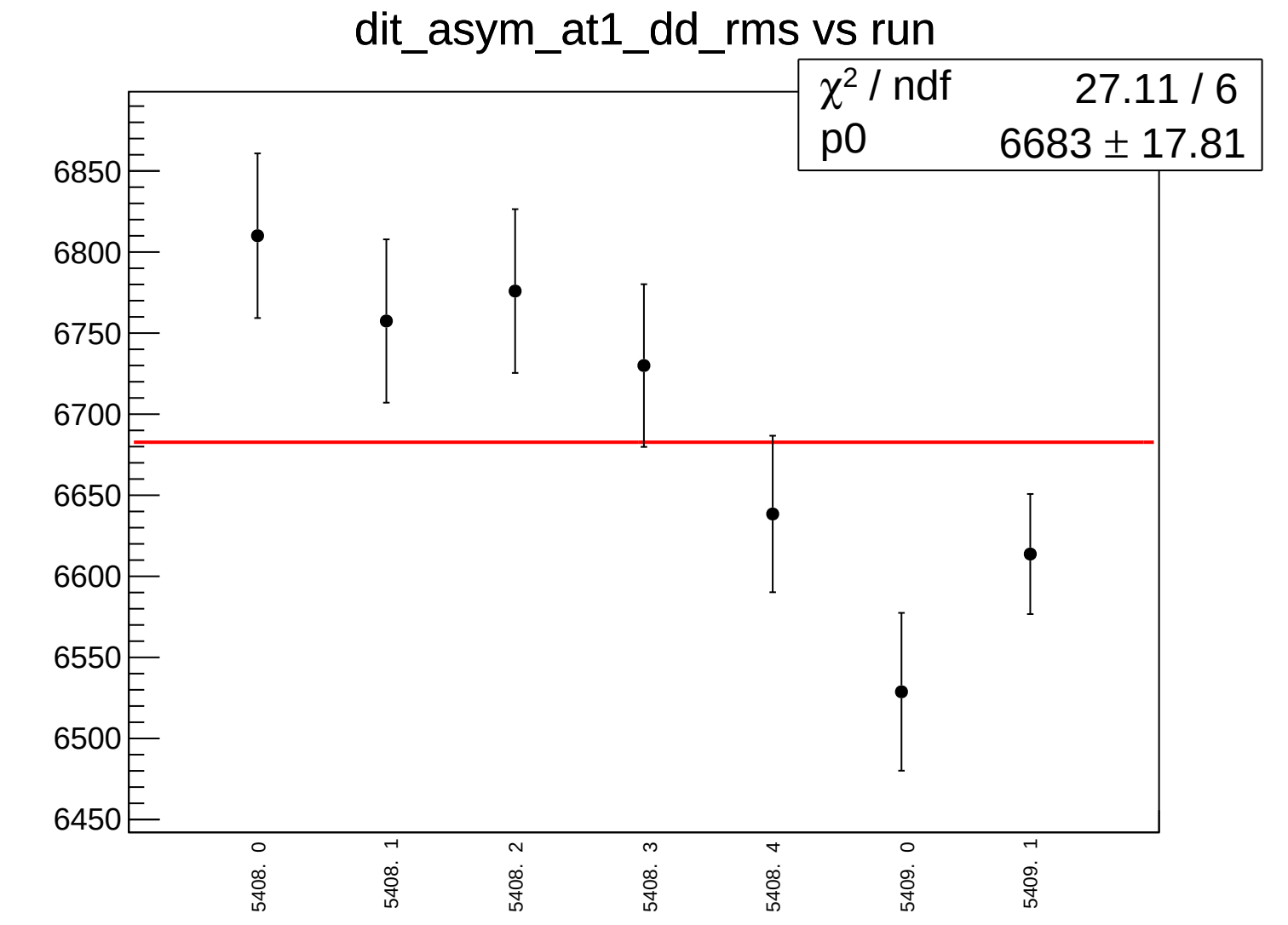

asym_at1_avg_mean vs run
×10^3
χ² / ndf 6.022 / 6
p0 −3.181e+04 ± 2.526e+04
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 94.06
Std Dev 91.71
1
0.5
0
−0.5
−1
−1.5

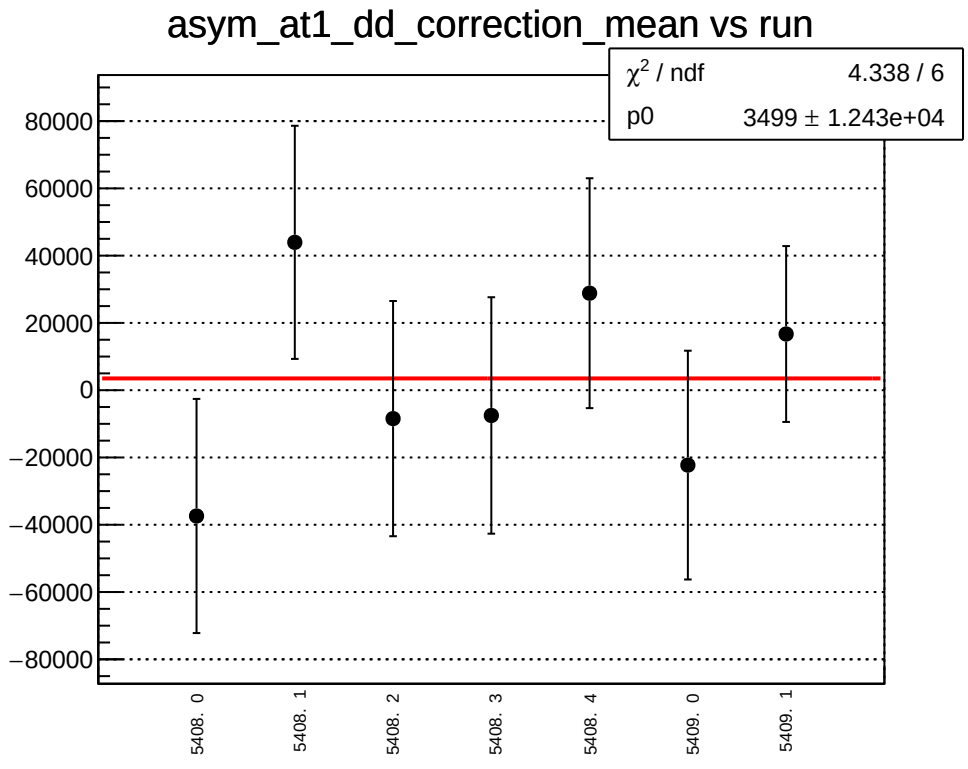

pull1D
Entries 7
Mean 0.008309
Std Dev 0.9275
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

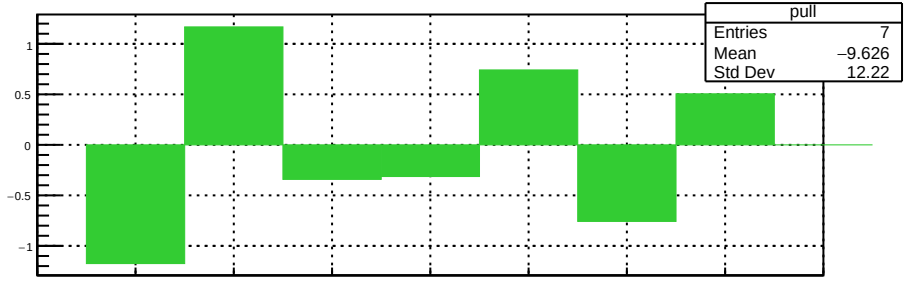

asym_at1_avg_rms vs run
χ² / ndf 4.706 / 6
p0 6703 ± 17.86
6800
6750
6700
6650
6600
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

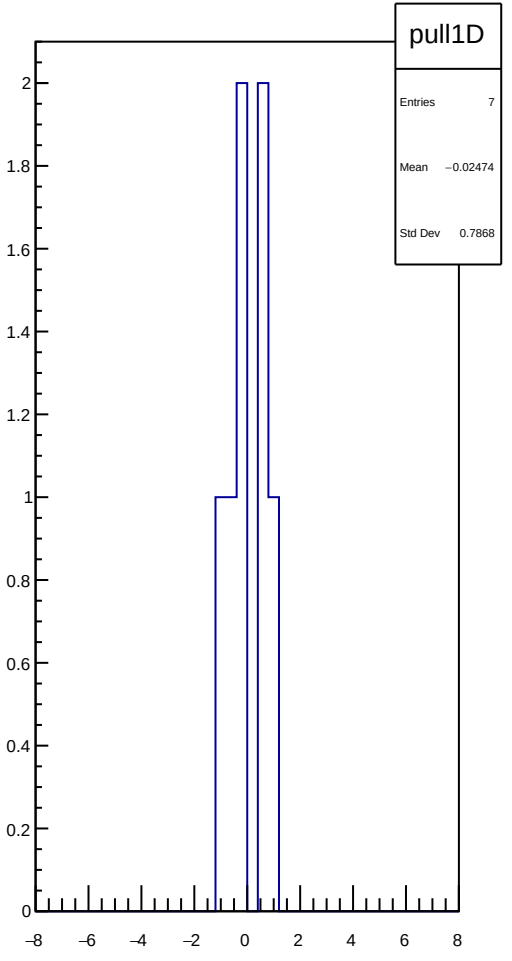

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 2.801 / 6
p0 3.798e+04 ± 2.519e+04
200
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 49.53
Std Dev 47.87
1
0.5
0
−0.5
−1

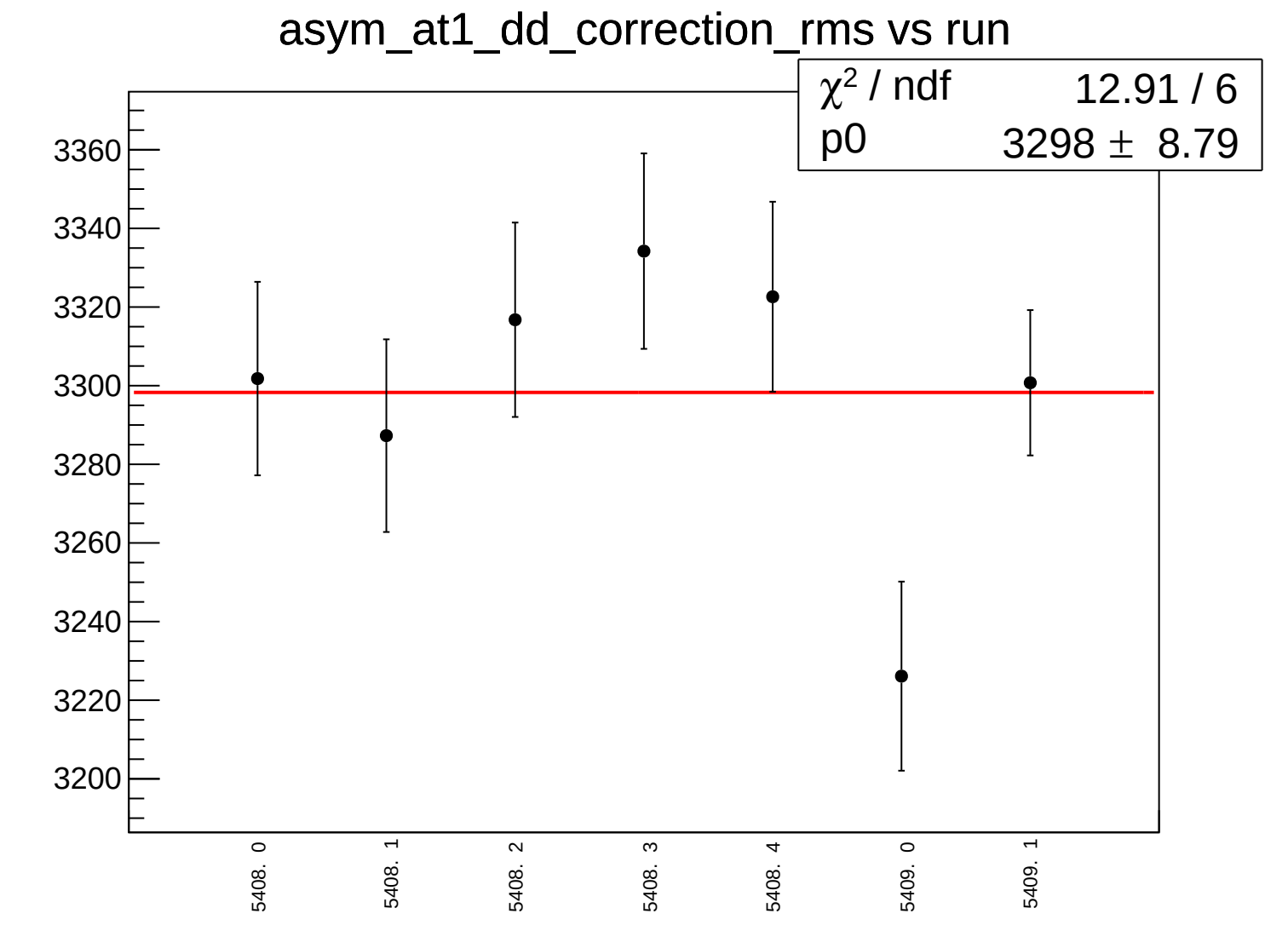

pull1D
Entries 7
Mean −0.006574
Std Dev 0.6326
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

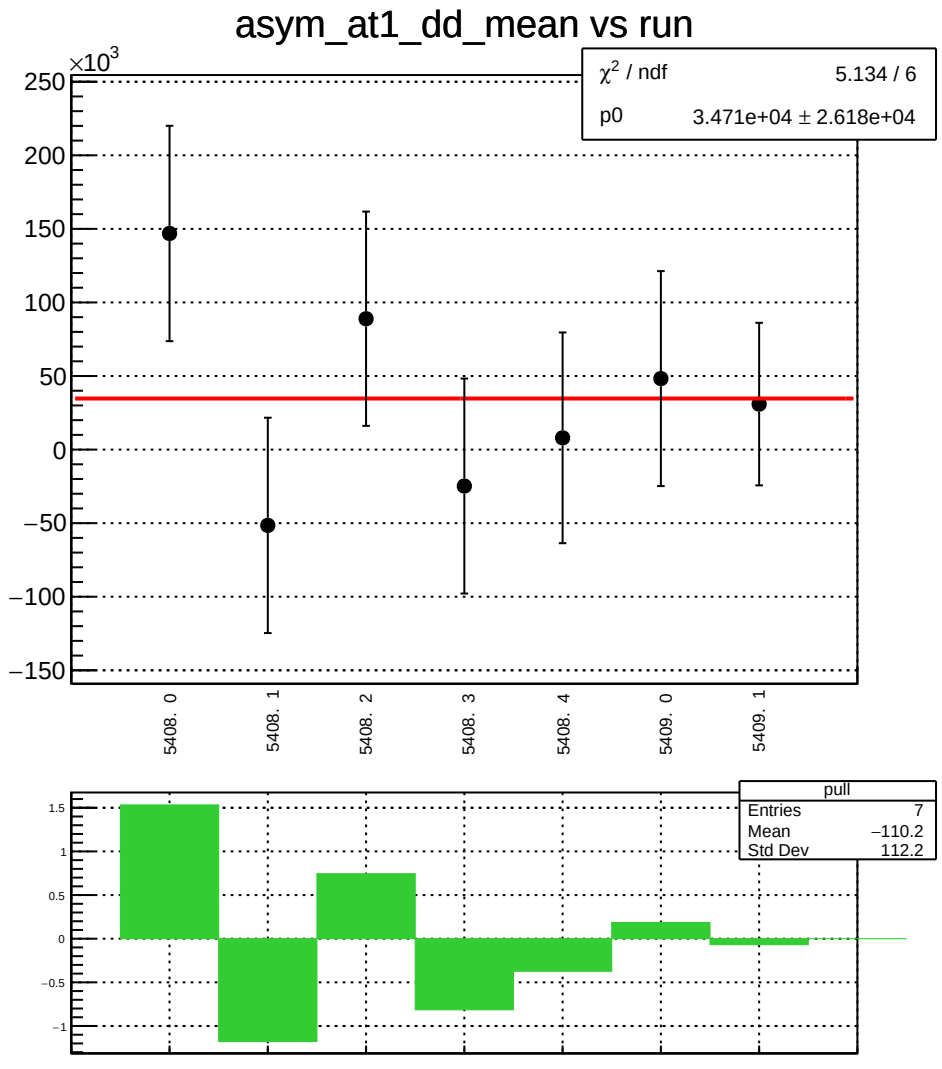

dit_asym_at1_dd_rms vs run
χ² / ndf 27.11 / 6
p0 6683 ± 17.81
6850
6800
6750
6700
6650
6600
6550
6500
6450
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

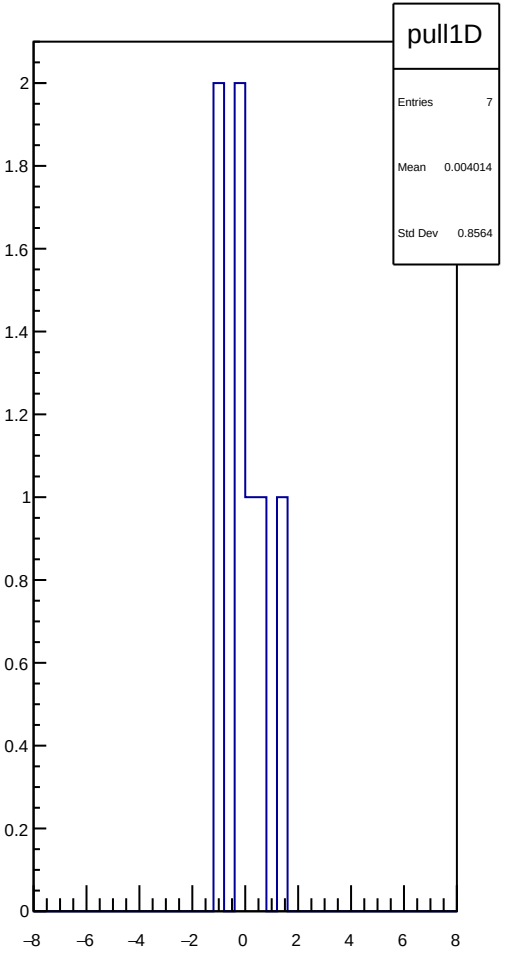

asym_at1_dd_correction_mean vs run
χ² / ndf 4.338 / 6
p0 3499 ± 1.243e+04
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

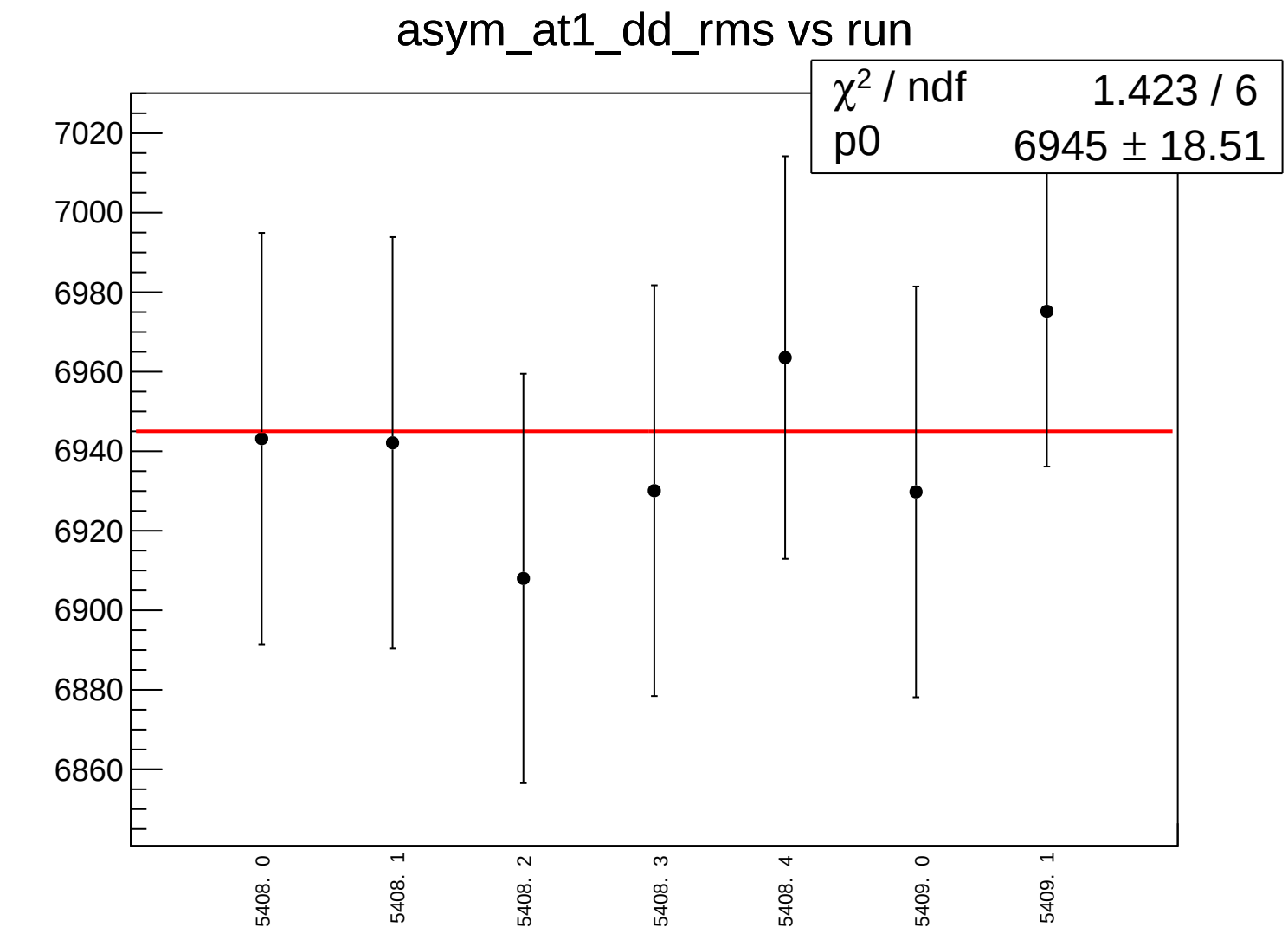

pull
Entries 7
Mean −9.626
Std Dev 12.22
1
0.5
0
−0.5
−1

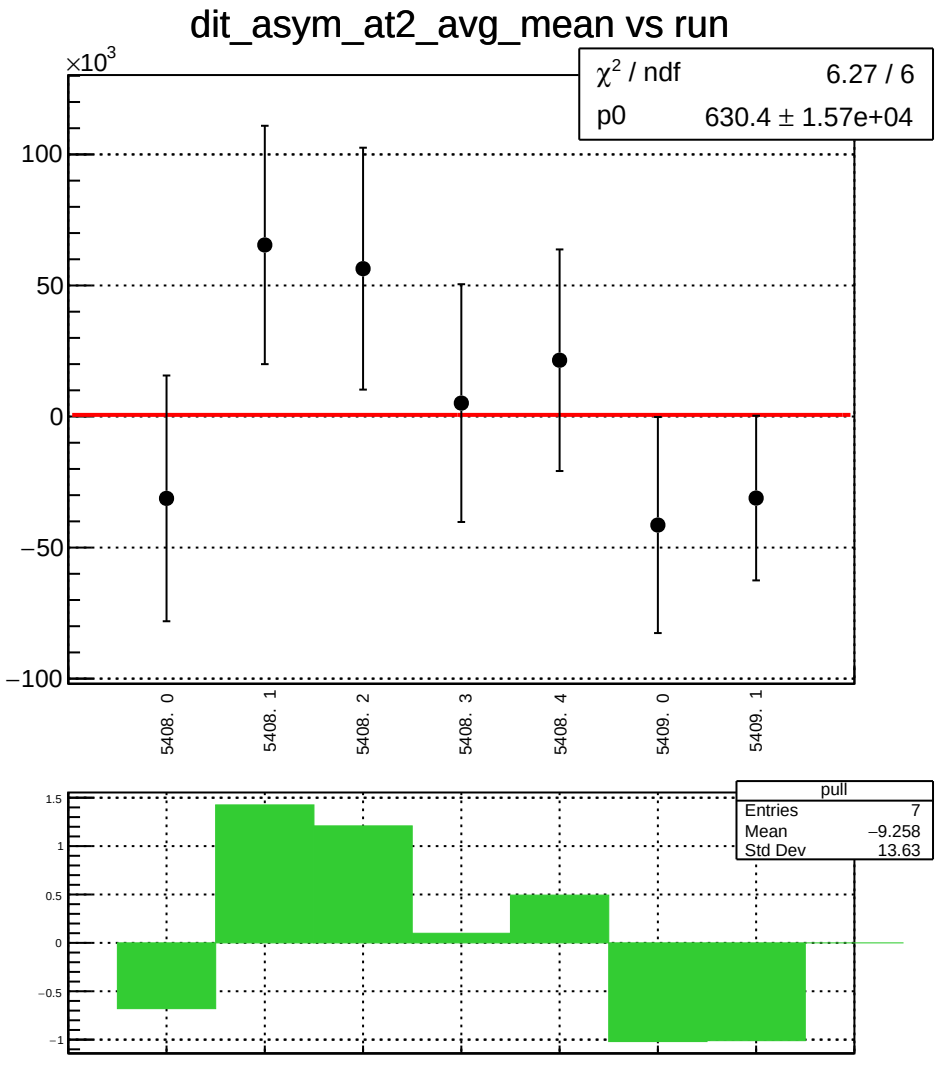

pull1D
Entries 7
Mean −0.02474
Std Dev 0.7868
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

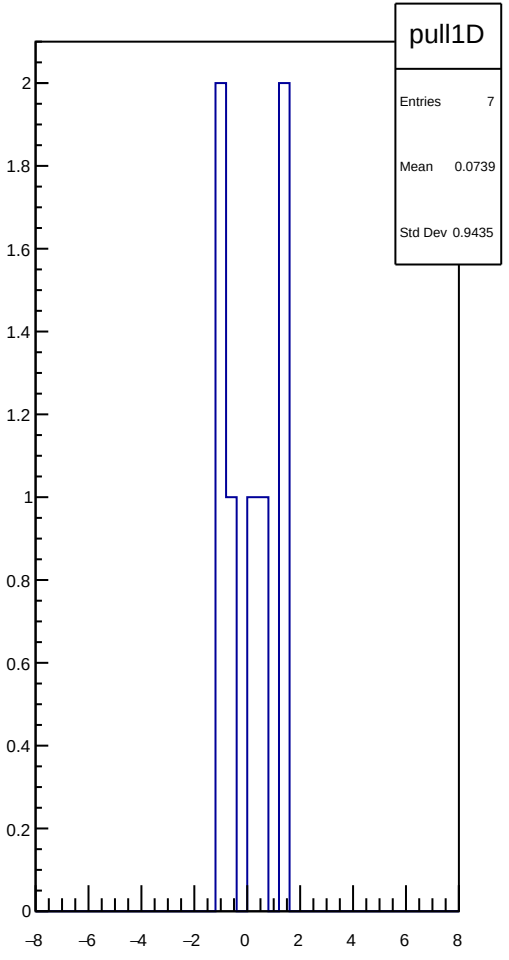

asym_at1_dd_correction_rms vs run
χ² / ndf 12.91 / 6
p0 3298 ± 8.79
3360
3340
3320
3300
3280
3260
3240
3220
3200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

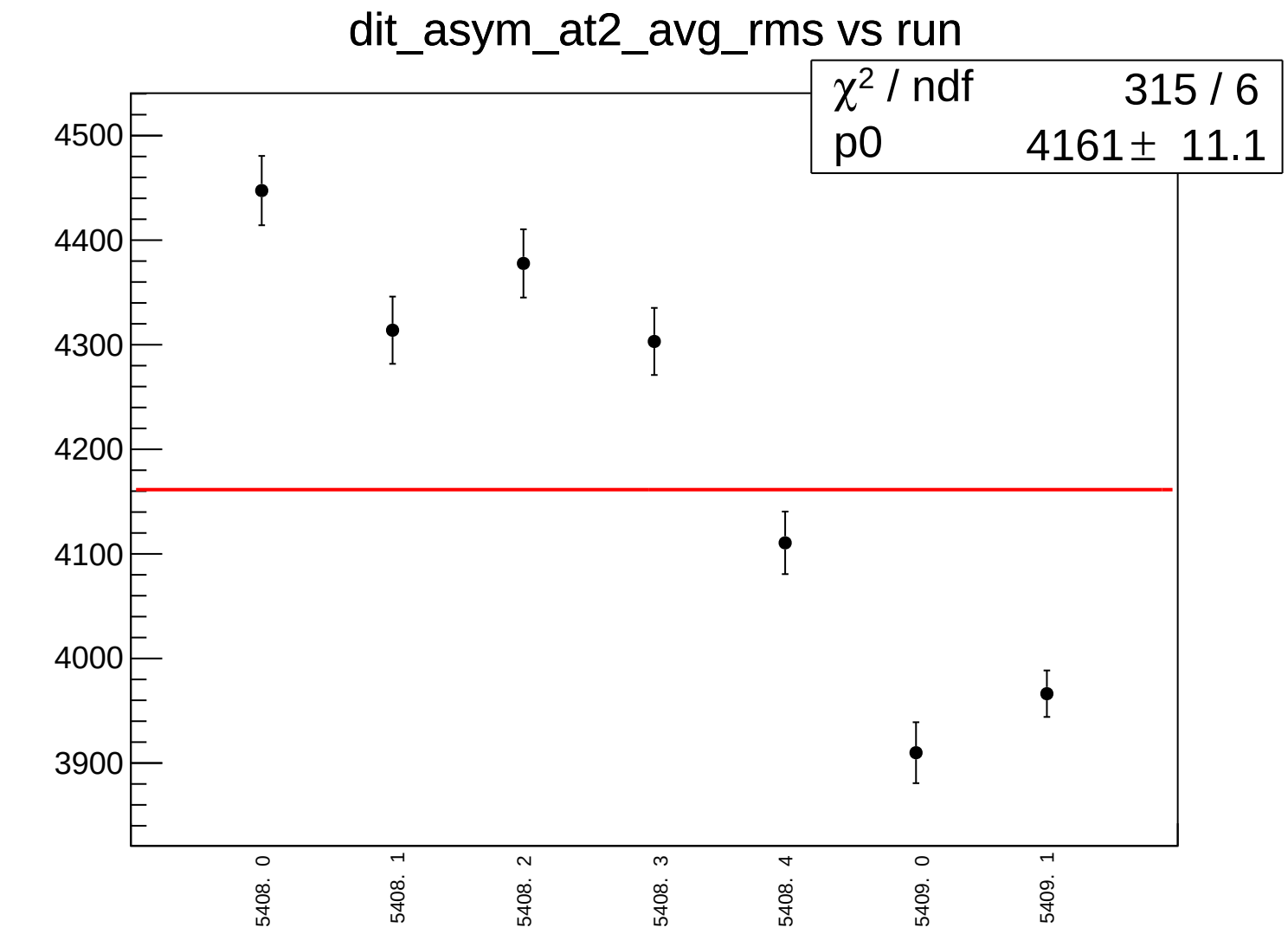

asym_at1_dd_mean vs run
×10^3
χ² / ndf 5.134 / 6
p0 3.471e+04 ± 2.618e+04
250
200
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −110.2
Std Dev 112.2
1.5
1
0.5
0
−0.5
−1

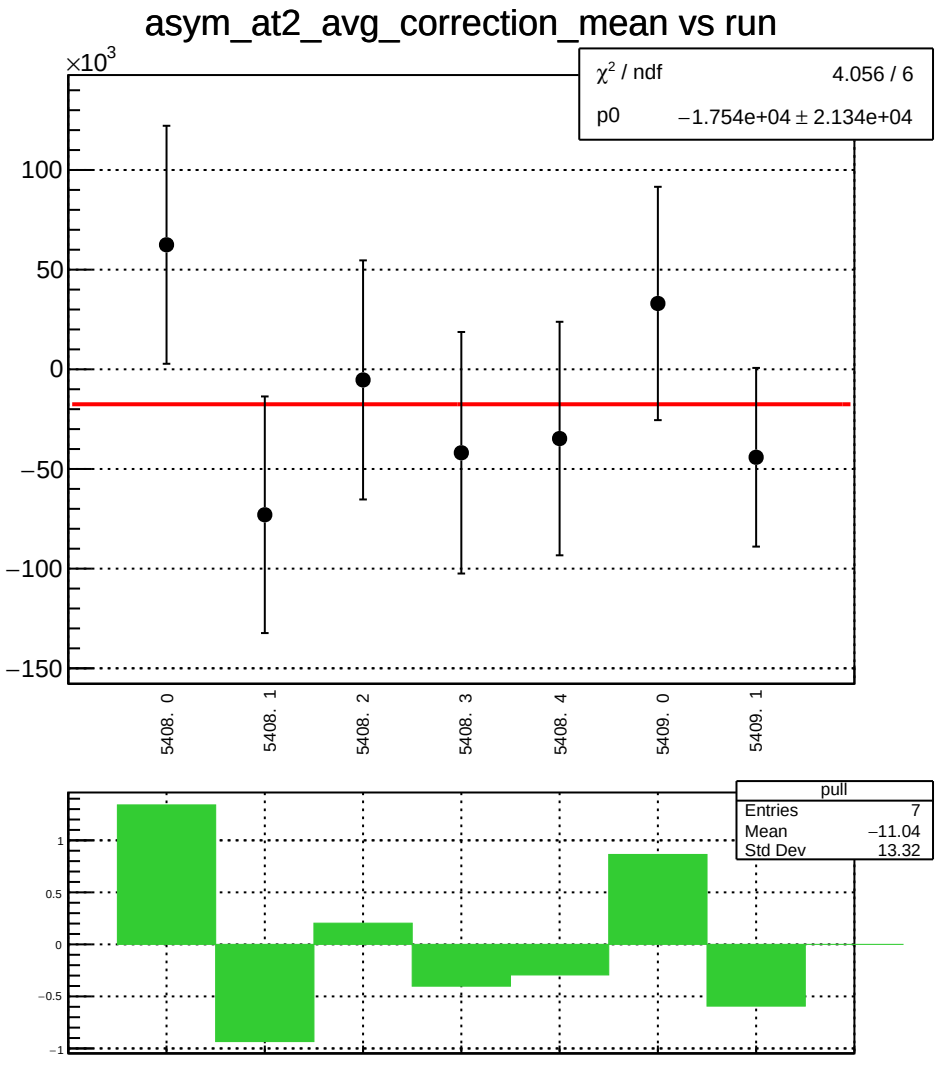

pull1D
Entries 7
Mean 0.004014
Std Dev 0.8564
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

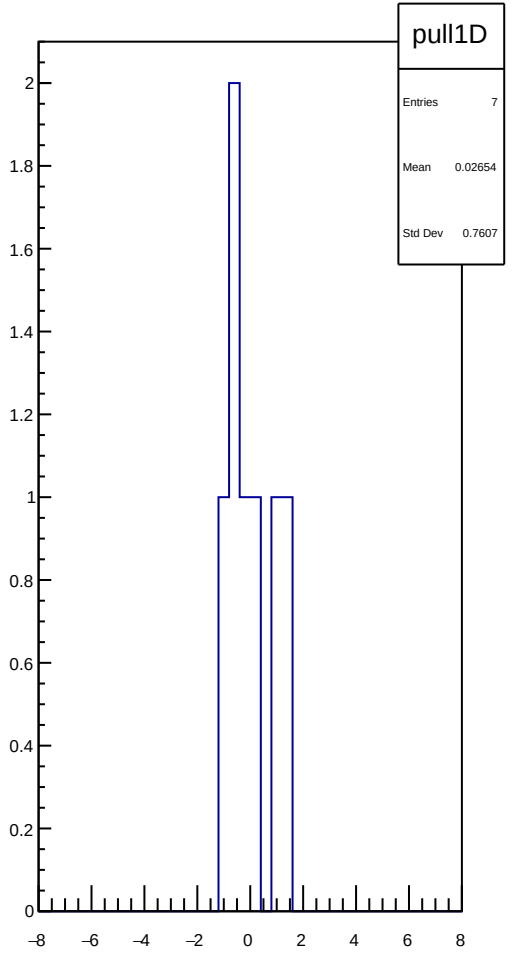

asym_at1_dd_rms vs run
χ² / ndf 1.423 / 6
p0 6945 ± 18.51
7020
7000
6980
6960
6940
6920
6900
6880
6860
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

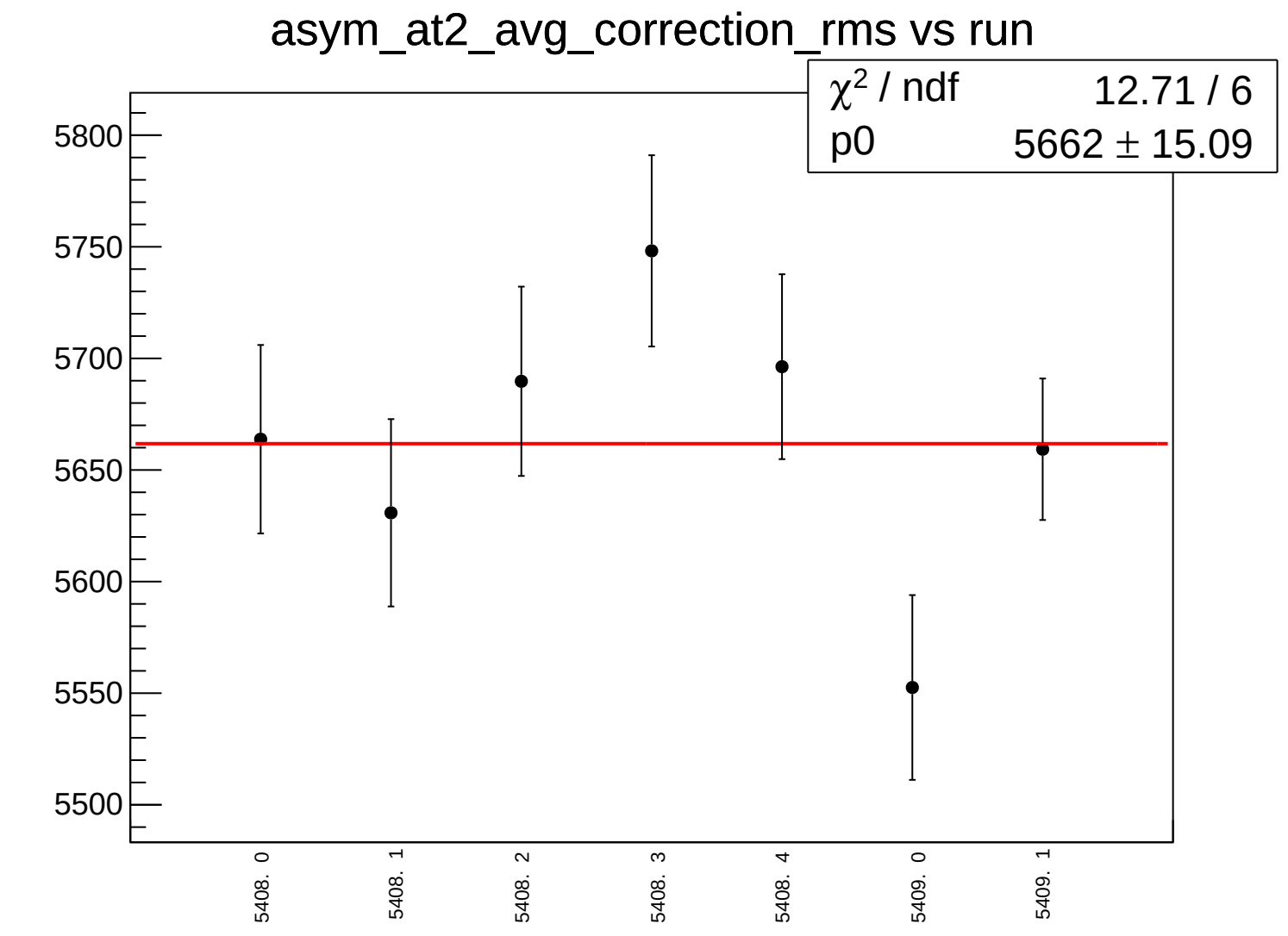

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 6.27 / 6
p0 630.4 ± 1.57e+04
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.258
Std Dev 13.63
1.5
1
0.5
0
−0.5
−1

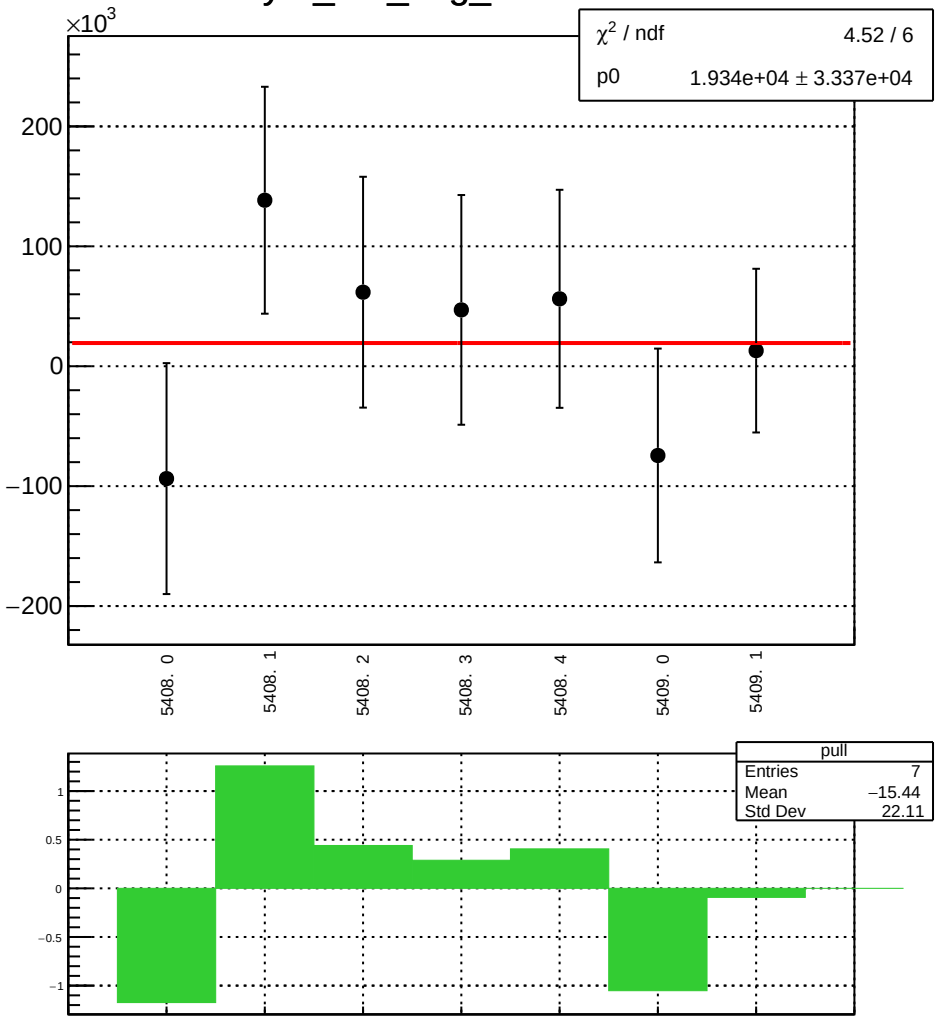

pull1D
Entries 7
Mean 0.0739
Std Dev 0.9435
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

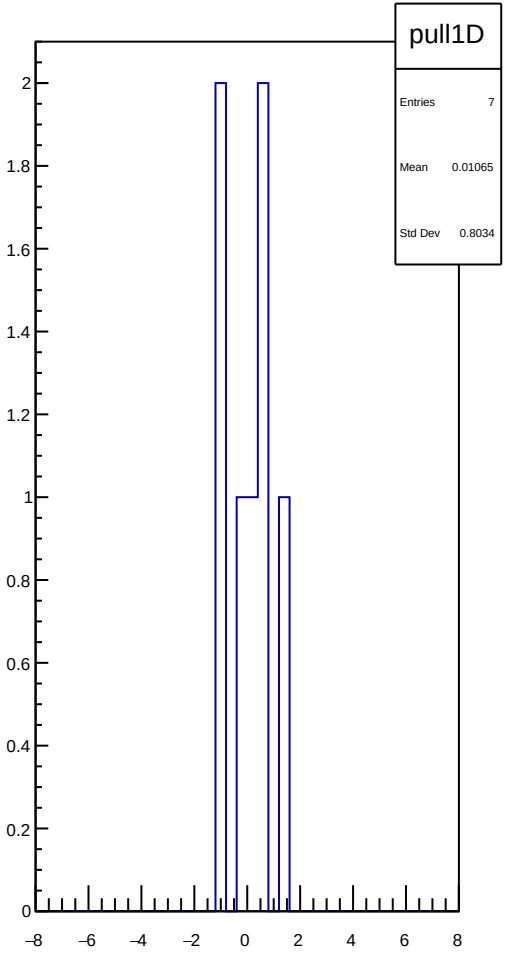

dit_asym_at2_avg_rms vs run
χ² / ndf 315 / 6
p0 4161 ± 11.1
4500
4400
4300
4200
4100
4000
3900
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

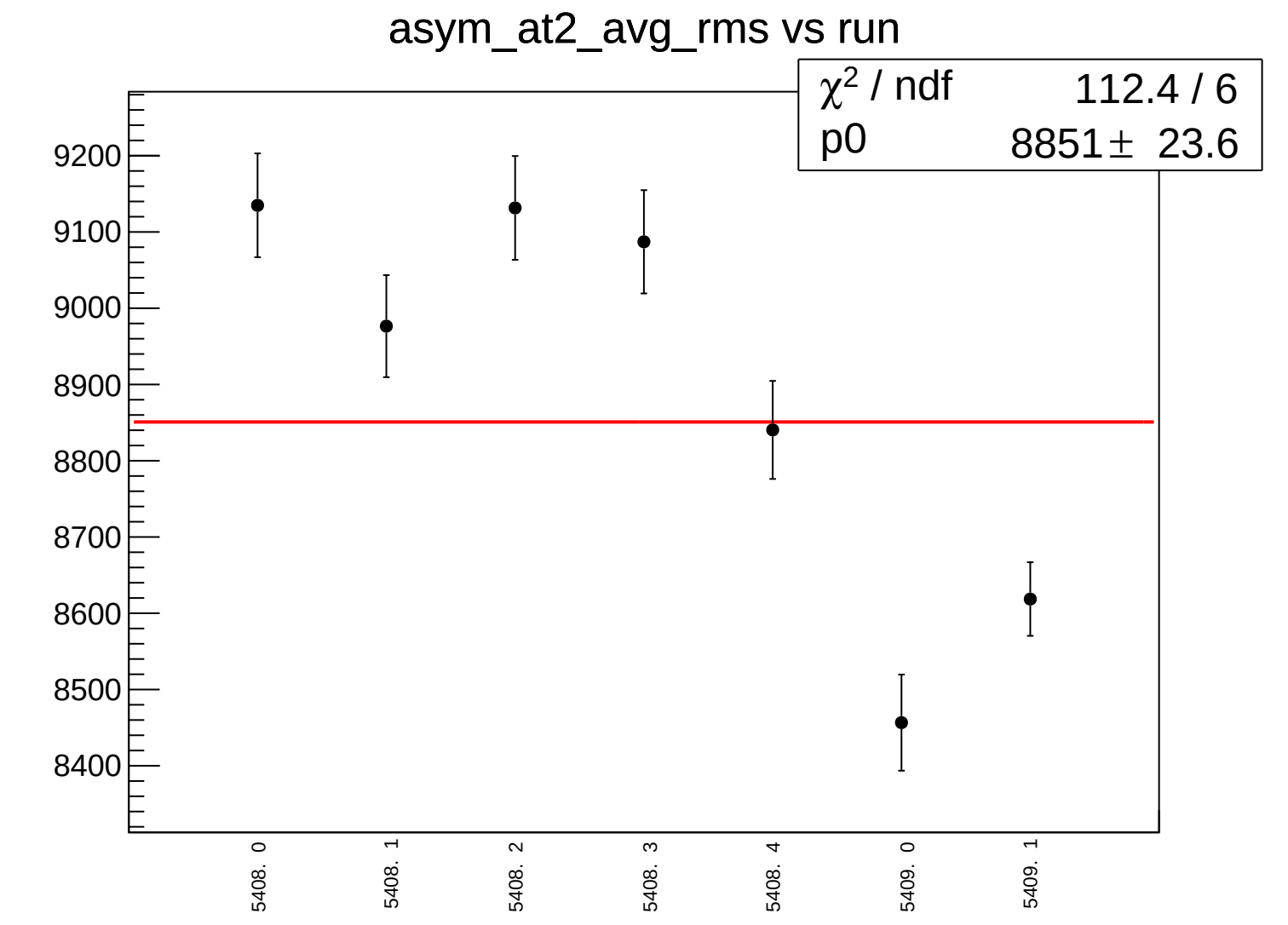

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 4.056 / 6
p0 −1.754e+04 ± 2.134e+04
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −11.04
Std Dev 13.32
1
0.5
0
−0.5
−1

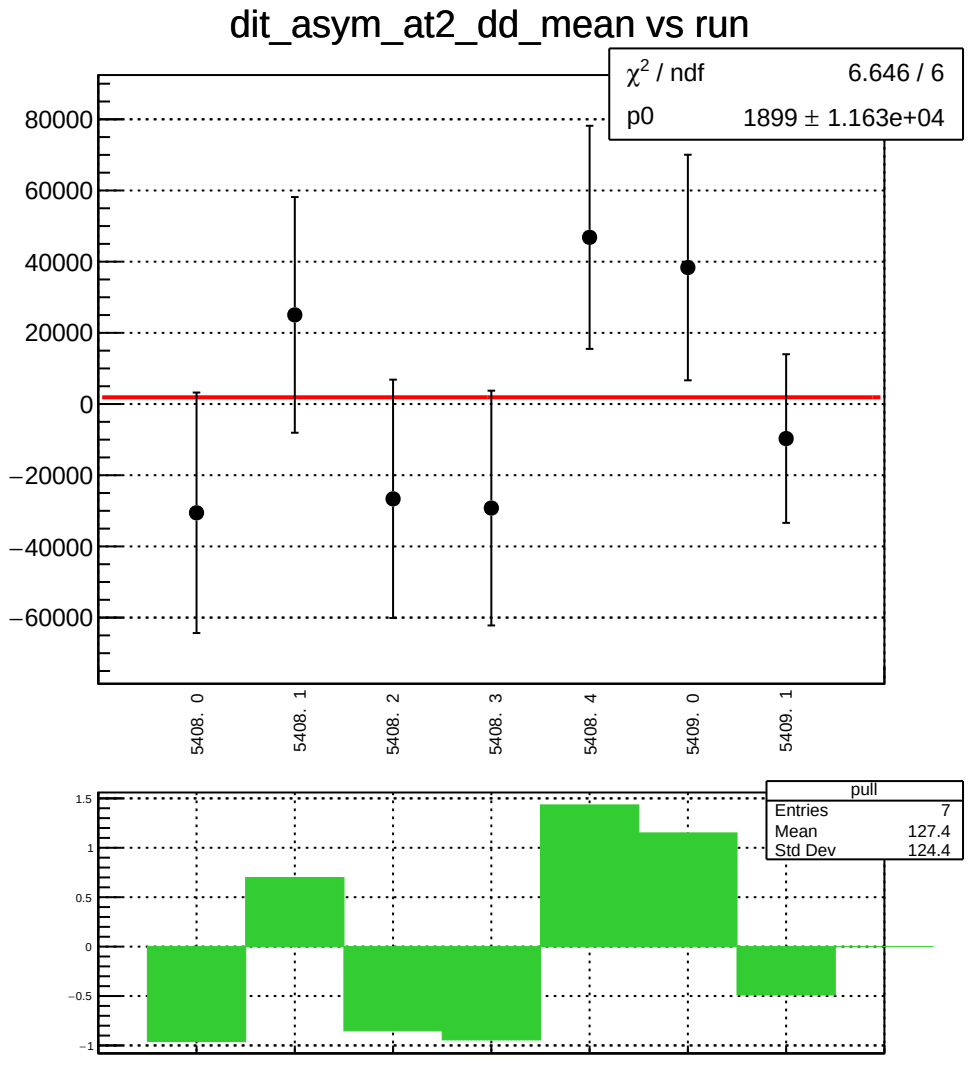

pull1D
Entries 7
Mean 0.02654
Std Dev 0.7607
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

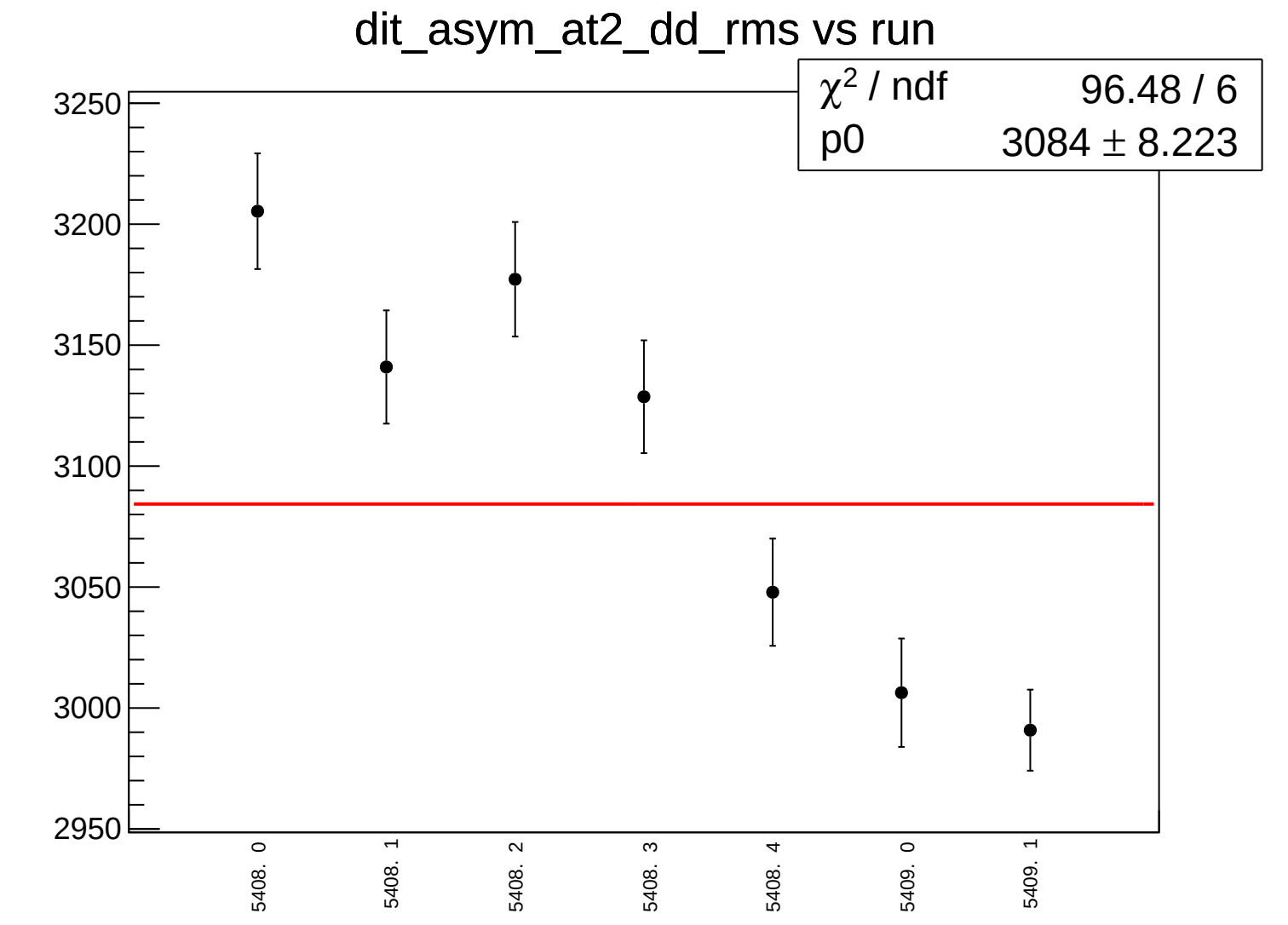

asym_at2_avg_correction_rms vs run
χ² / ndf 12.71 / 6
p0 5662 ± 15.09
5800
5750
5700
5650
5600
5550
5500
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

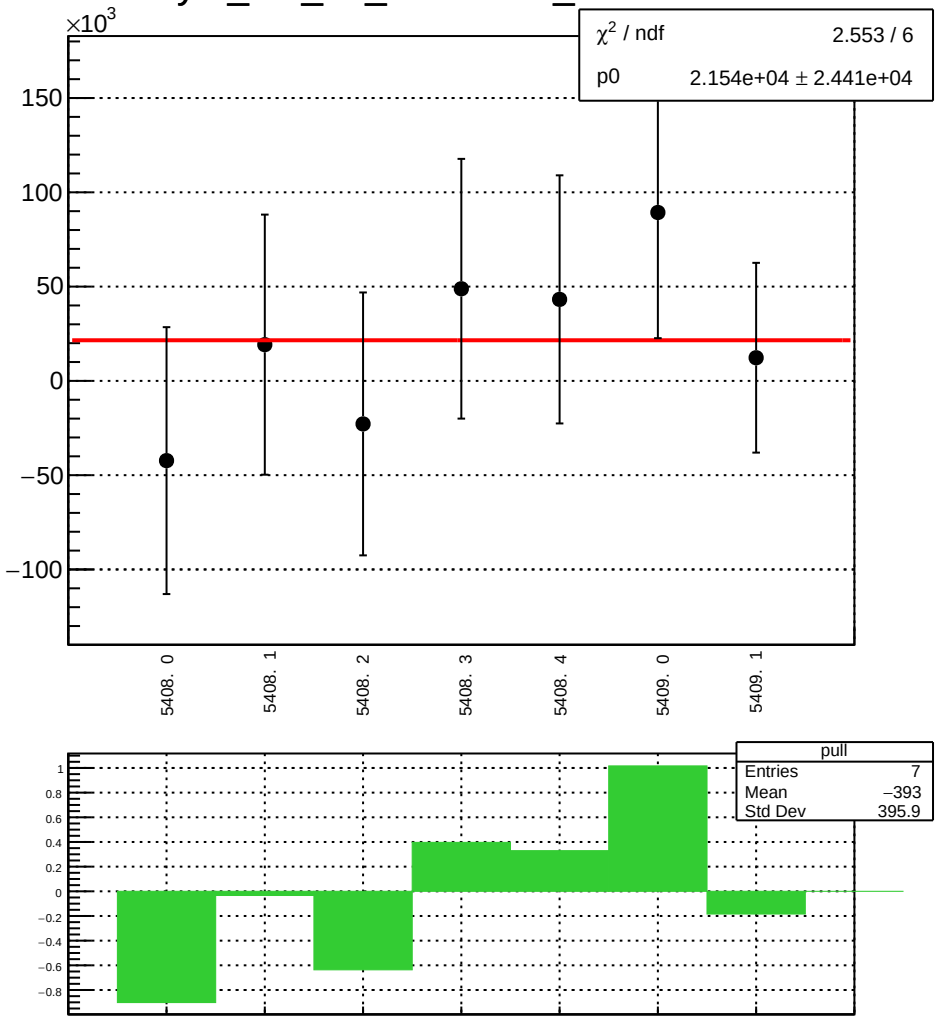

asym_at2_avg_mean vs run
×10^3
χ² / ndf 4.52 / 6
p0 1.934e+04 ± 3.337e+04
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −15.44
Std Dev 22.11
1
0.5
0
−0.5
−1

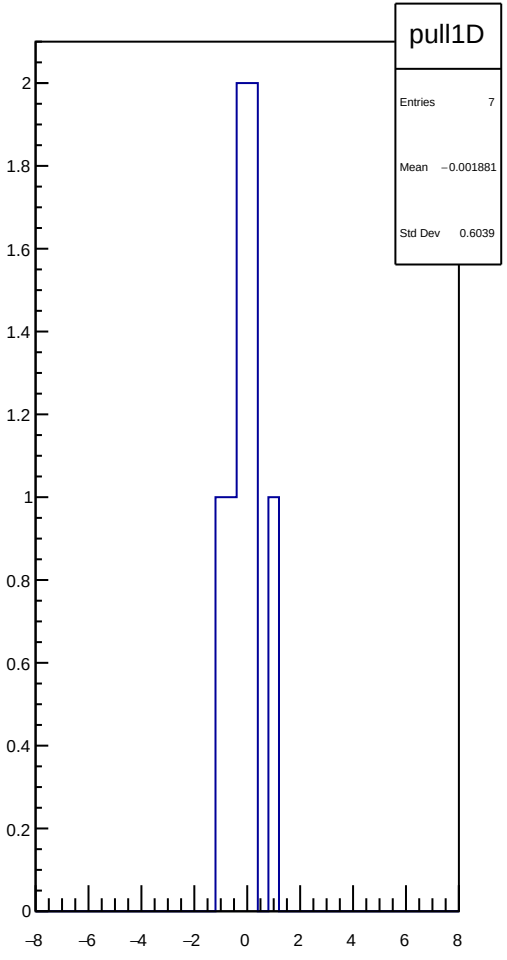

pull1D
Entries 7
Mean 0.01065
Std Dev 0.8034
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

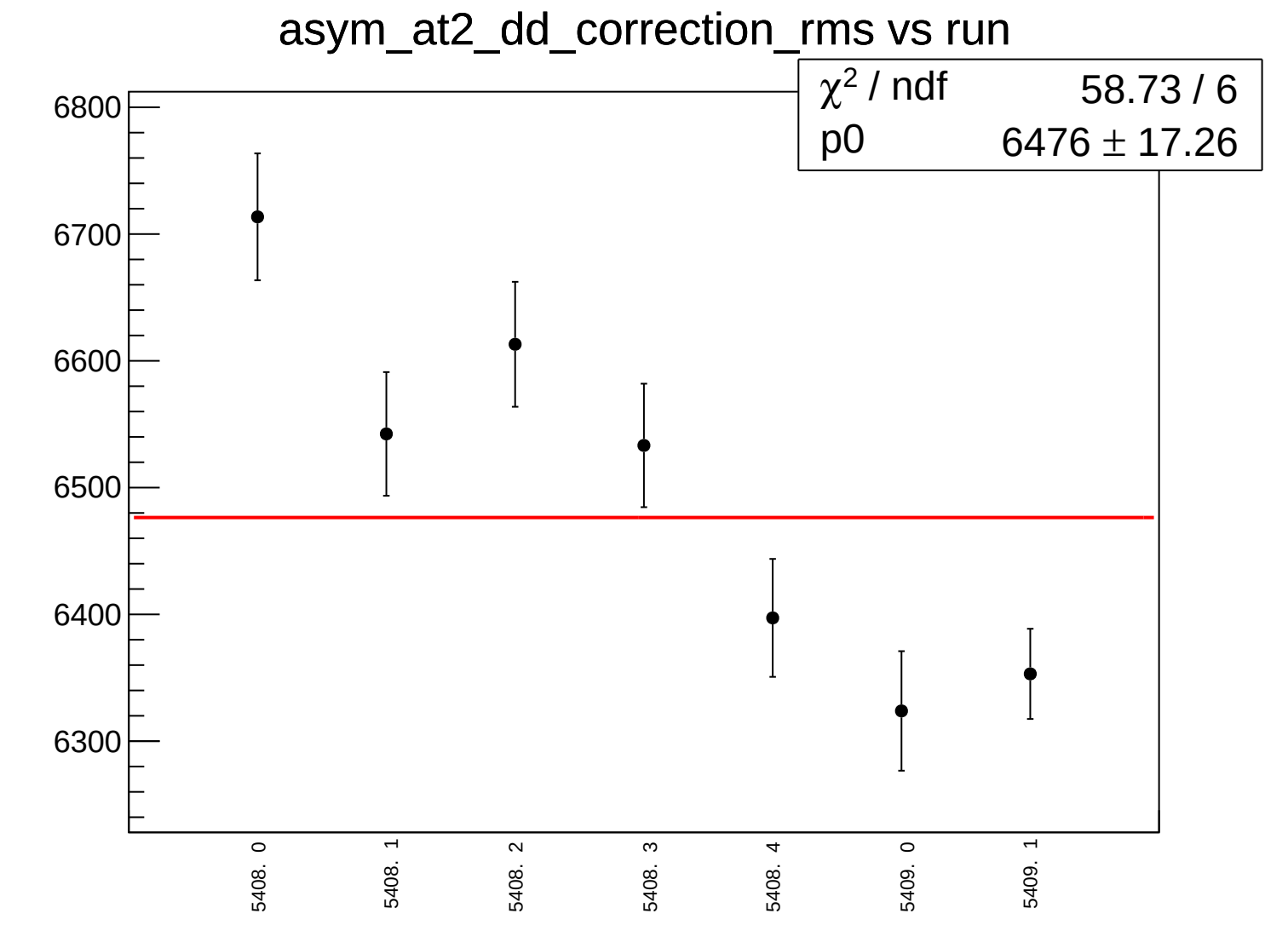

asym_at2_avg_rms vs run
χ² / ndf 112.4 / 6
p0 8851 ± 23.6
9200
9100
9000
8900
8800
8700
8600
8500
8400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

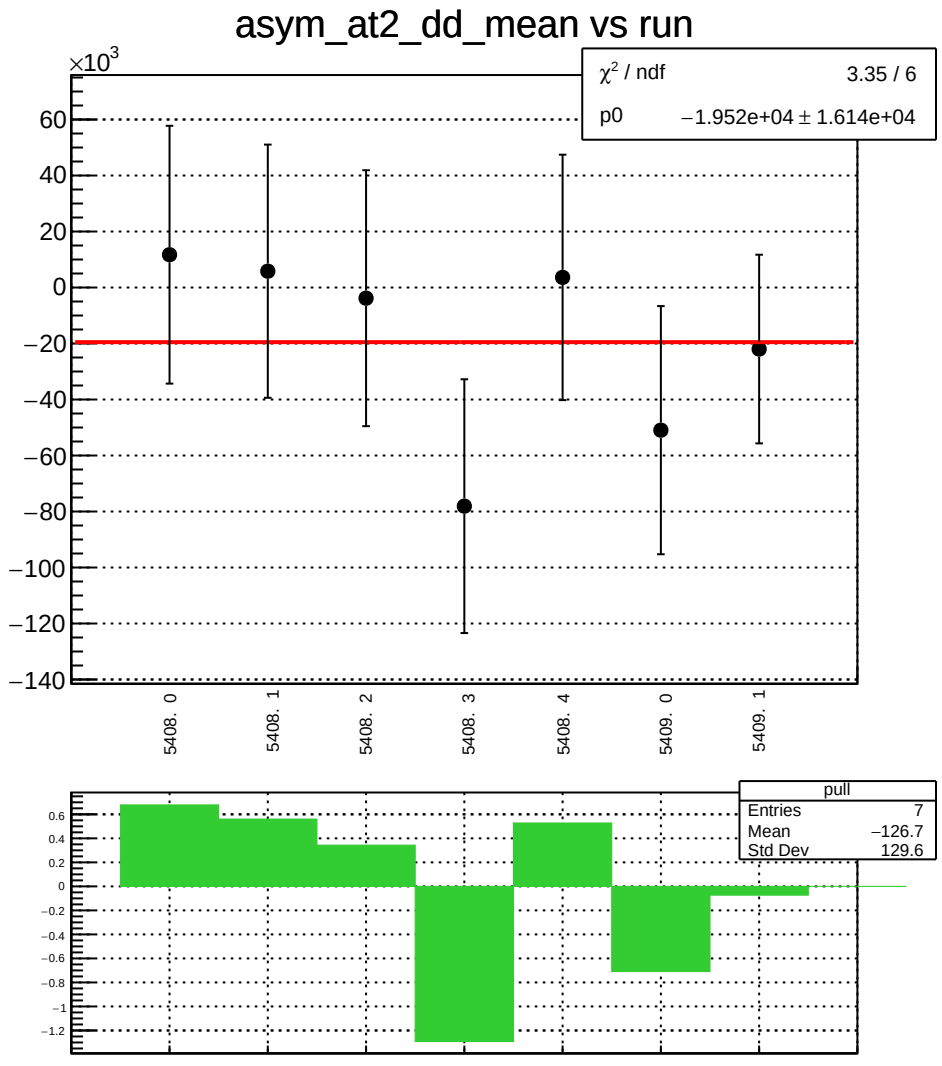

dit_asym_at2_dd_mean vs run
χ² / ndf 6.646 / 6
p0 1899 ± 1.163e+04
80000
60000
40000
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 127.4
Std Dev 124.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.005306
Std Dev 0.9744
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

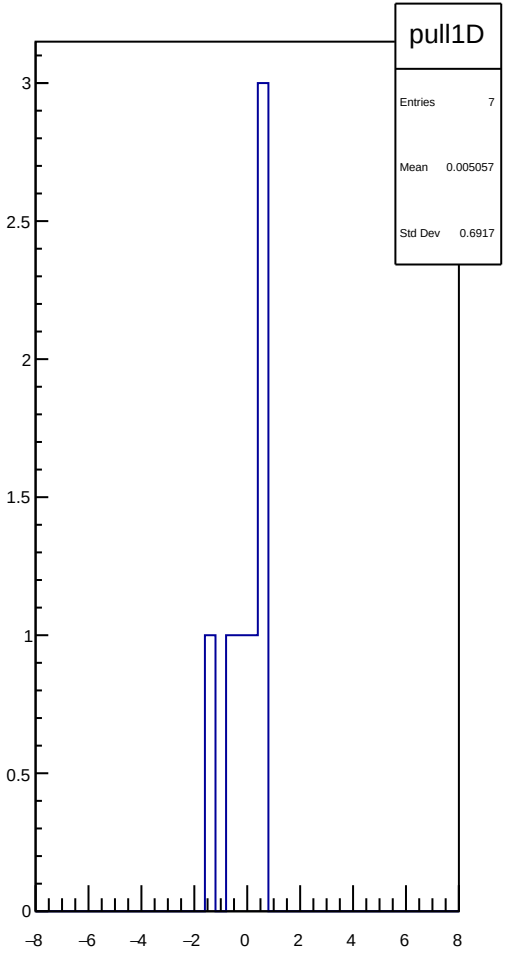

dit_asym_at2_dd_rms vs run
χ² / ndf 96.48 / 6
p0 3084 ± 8.223
3250
3200
3150
3100
3050
3000
2950
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

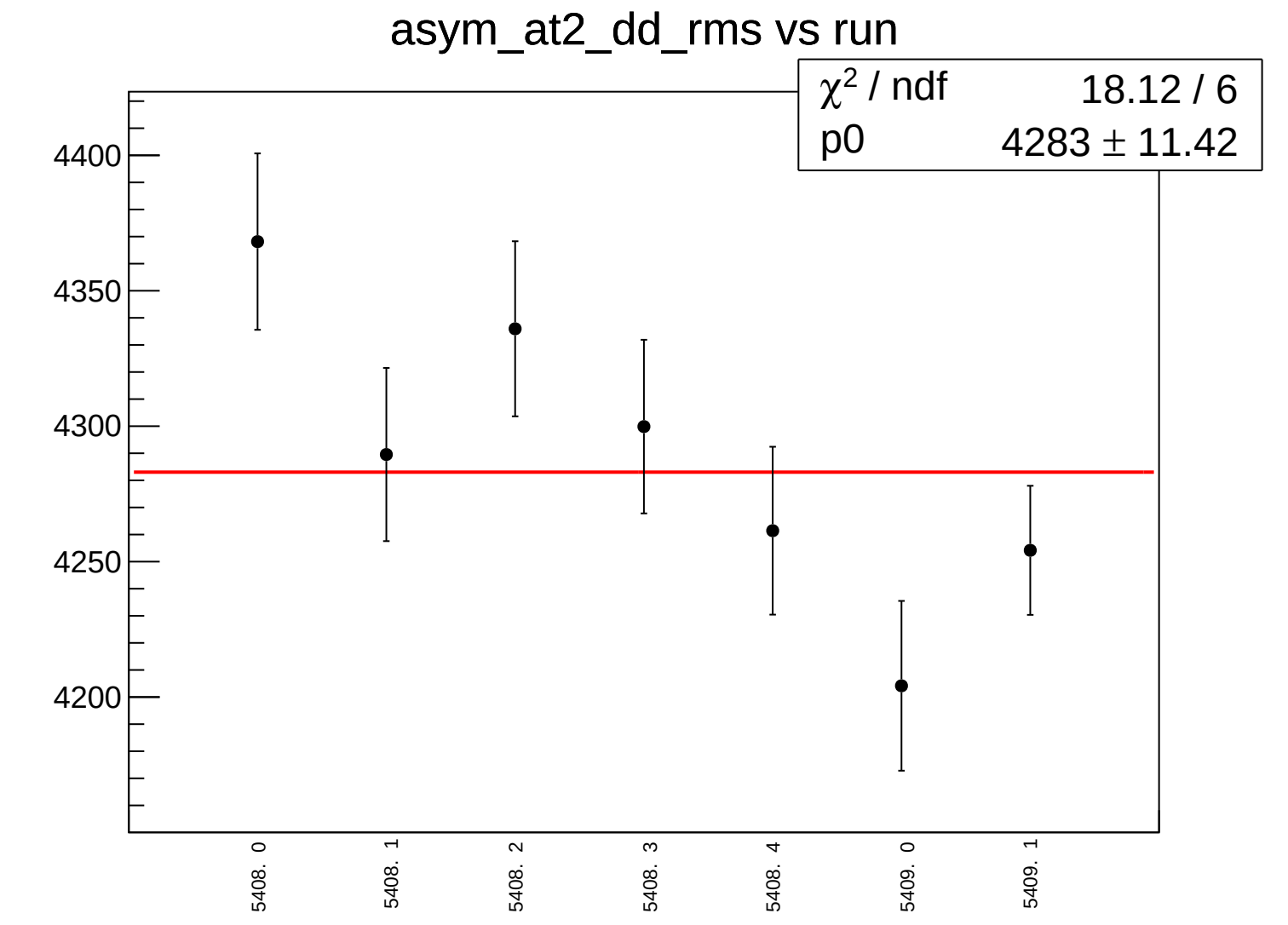

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 2.553 / 6
p0 2.154e+04 ± 2.441e+04
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −393
Std Dev 395.9
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

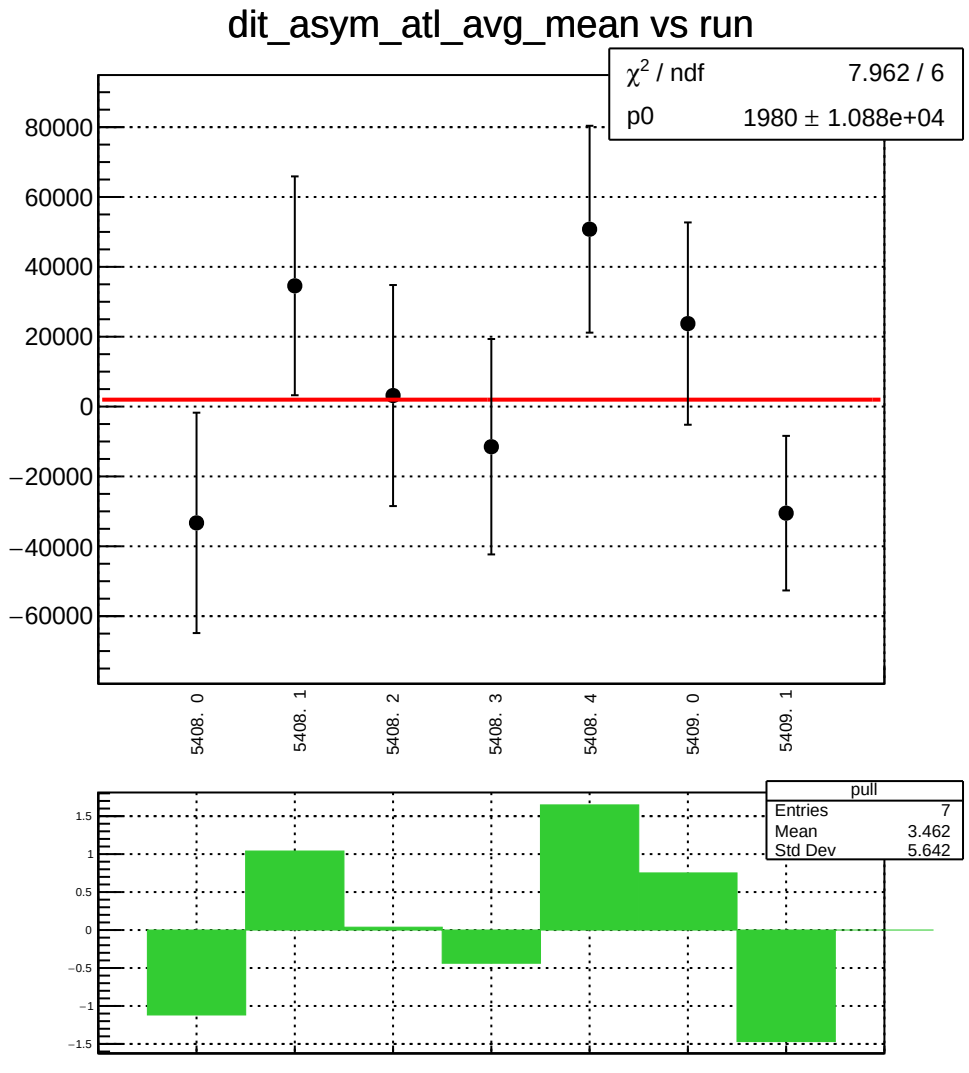

pull1D
Entries 7
Mean −0.001881
Std Dev 0.6039
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

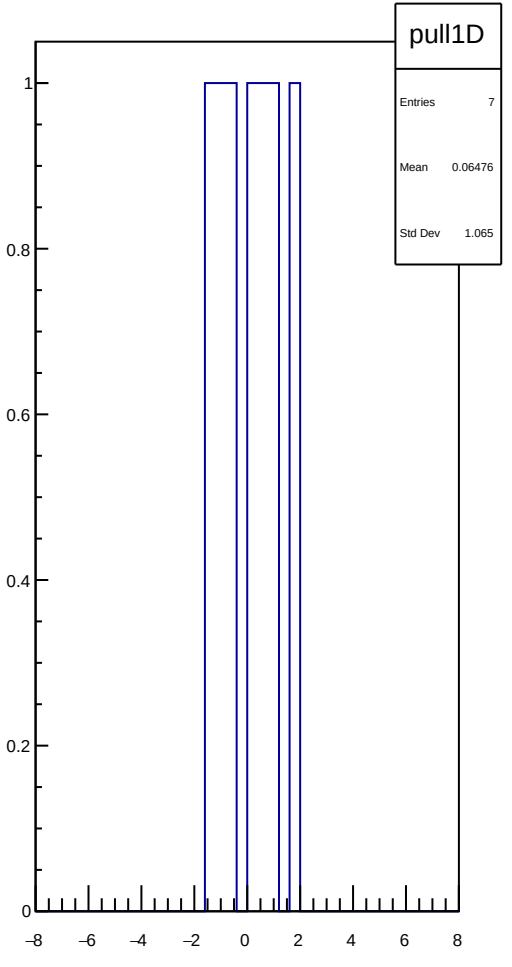

asym_at2_dd_correction_rms vs run
χ² / ndf 58.73 / 6
p0 6476 ± 17.26
6800
6700
6600
6500
6400
6300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

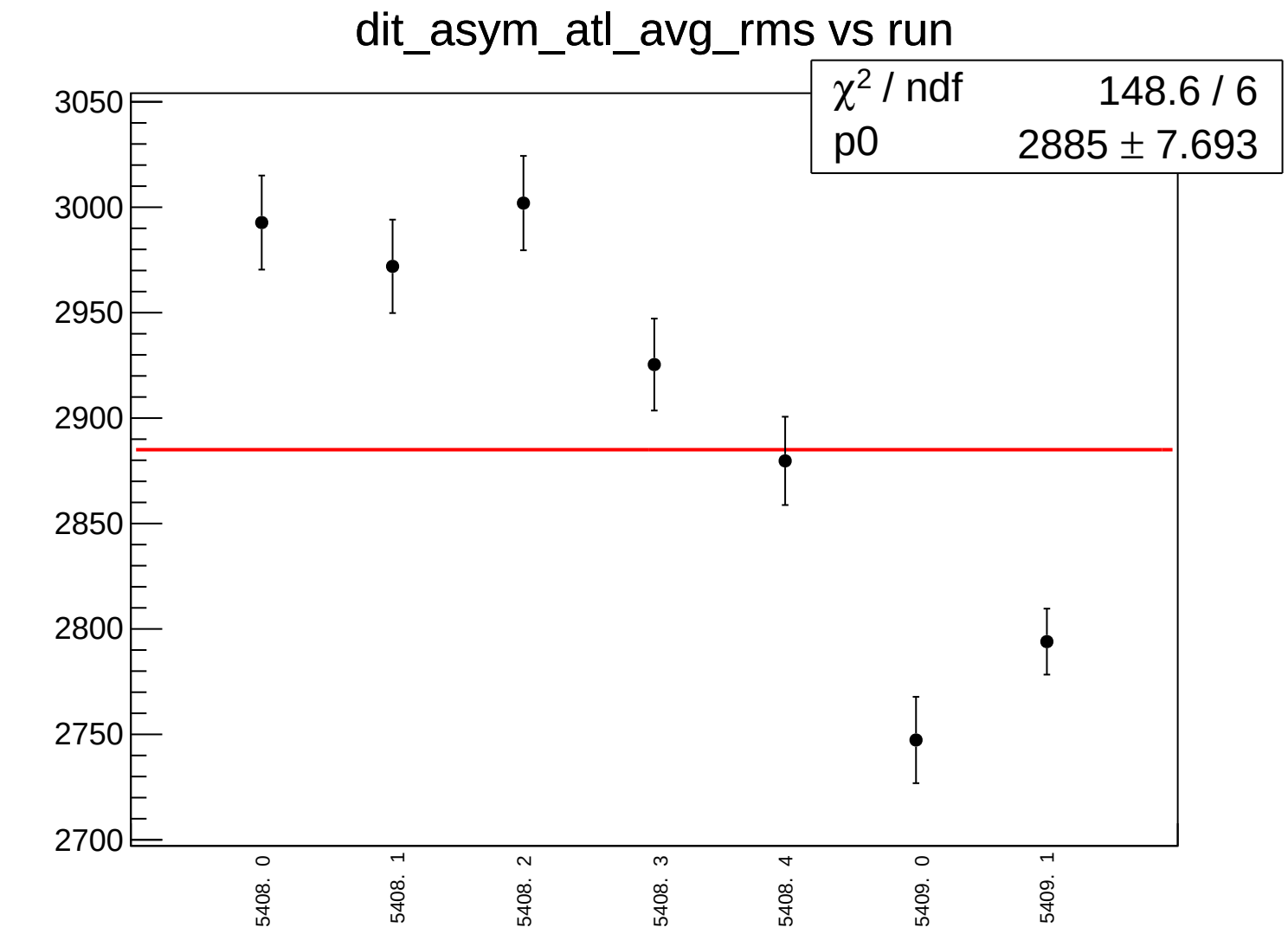

asym_at2_dd_mean vs run
×10^3
χ² / ndf 3.35 / 6
p0 −1.952e+04 ± 1.614e+04
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −126.7
Std Dev 129.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

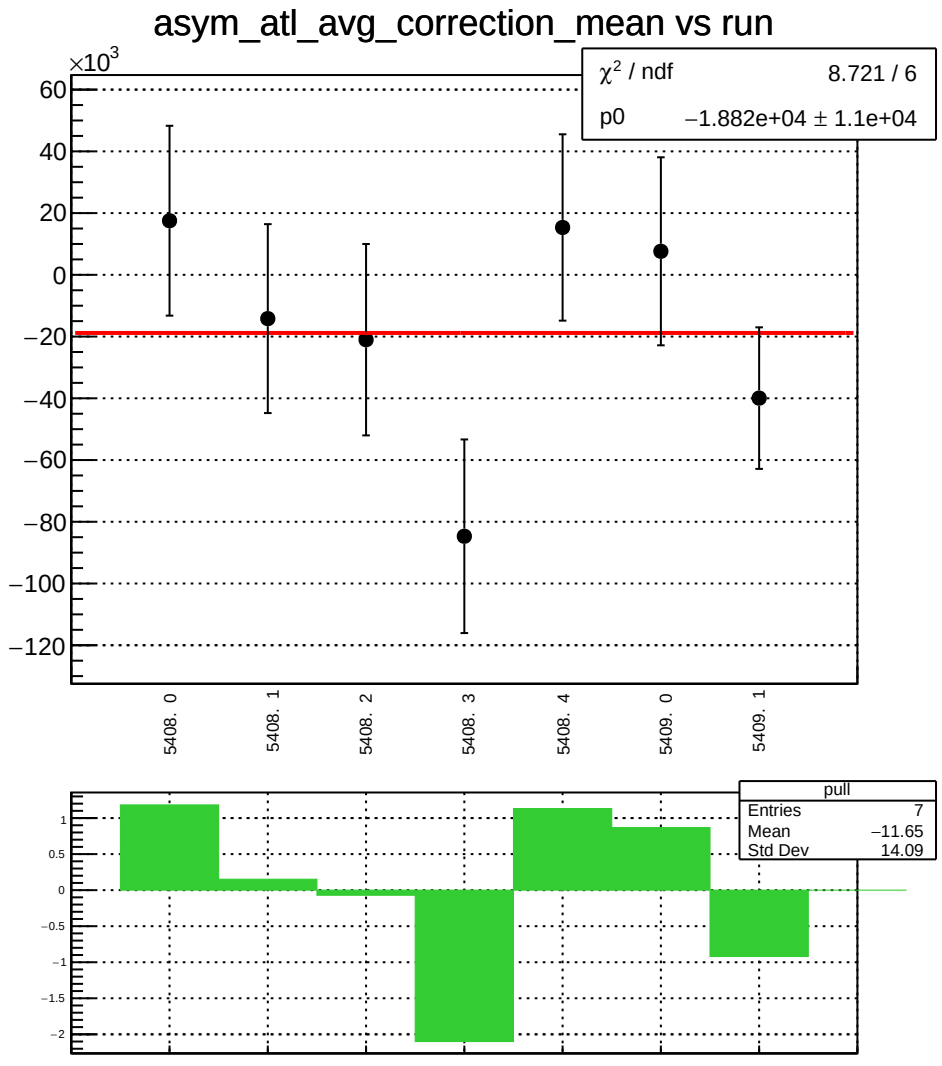

pull1D
Entries 7
Mean 0.005057
Std Dev 0.6917
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

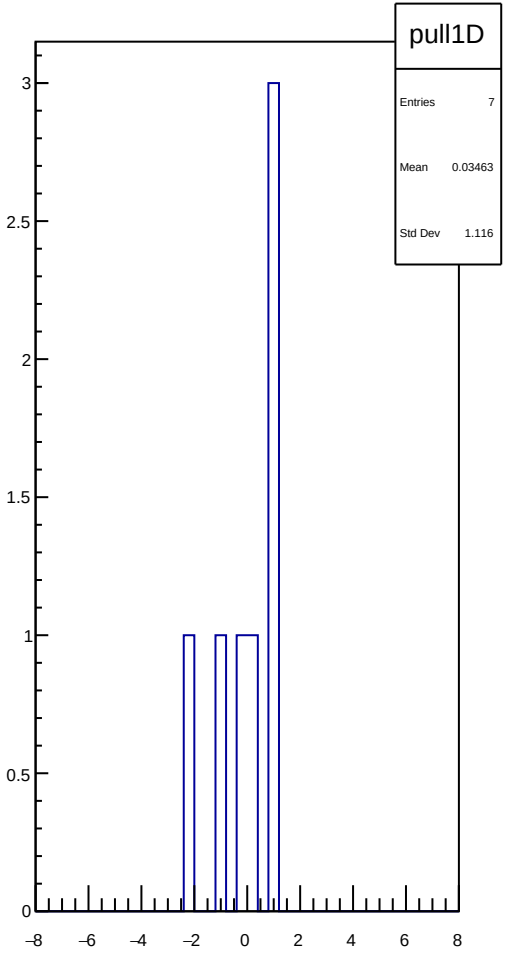

asym_at2_dd_rms vs run
χ² / ndf 18.12 / 6
p0 4283 ± 11.42
4400
4350
4300
4250
4200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

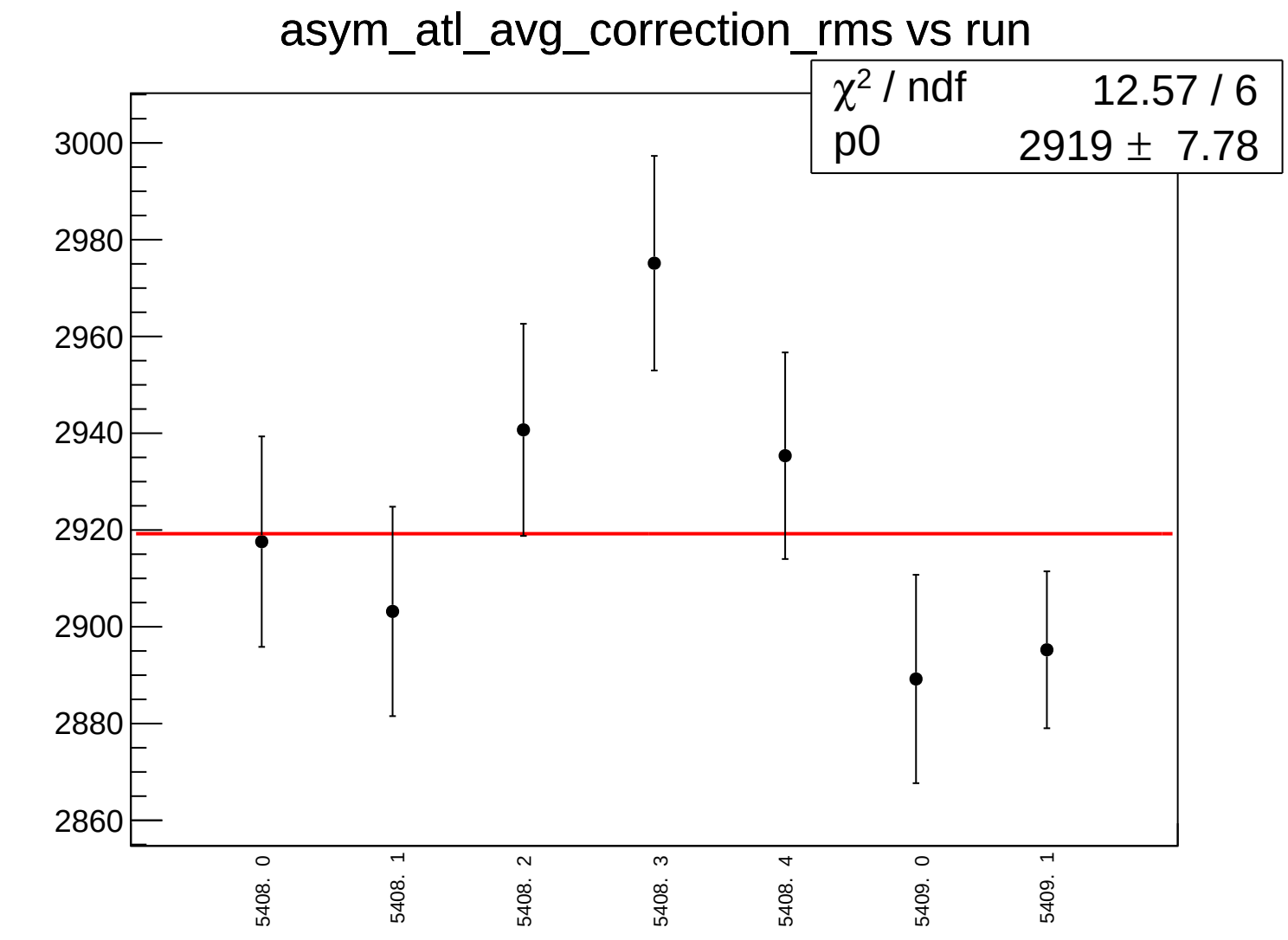

dit_asym_atl_avg_mean vs run
χ² / ndf 7.962 / 6
p0 1980 ± 1.088e+04
80000
60000
40000
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.462
Std Dev 5.642
1.5
1
0.5
0
−0.5
−1
−1.5

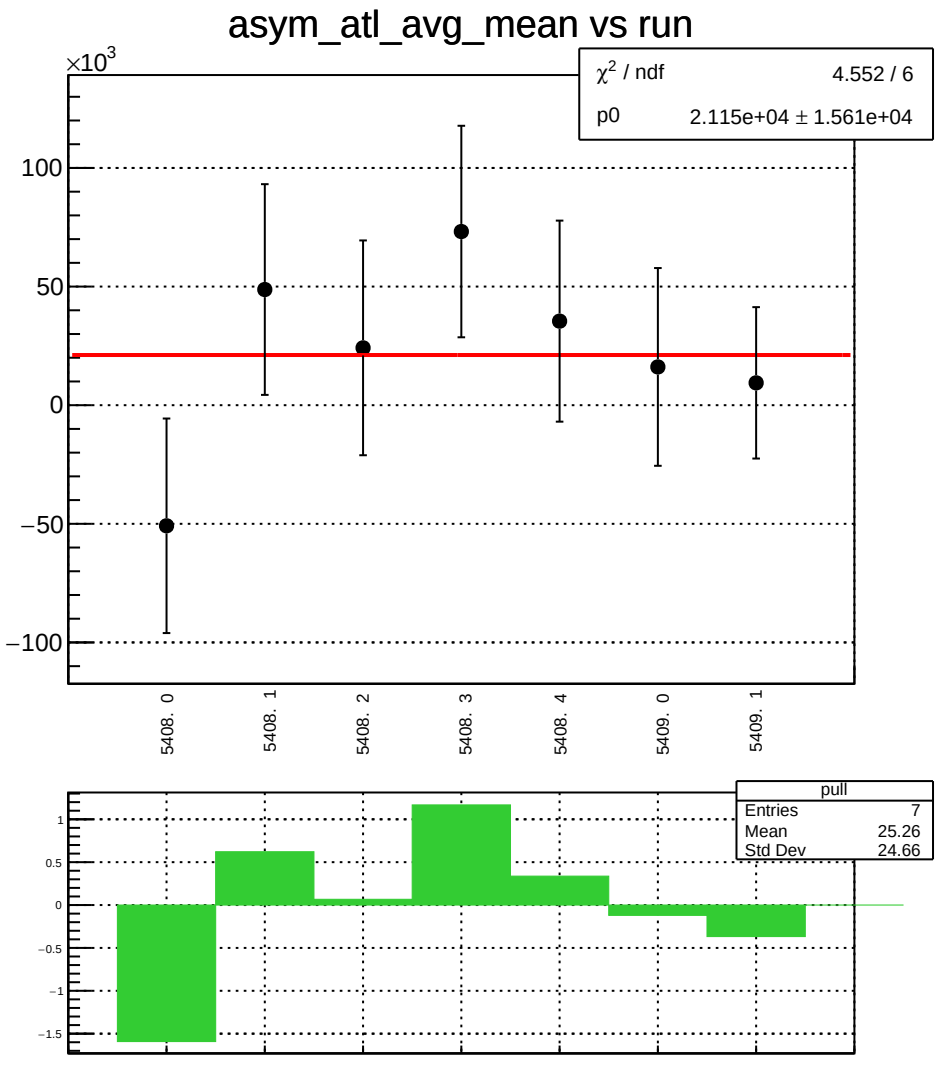

pull1D
Entries 7
Mean 0.06476
Std Dev 1.065
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

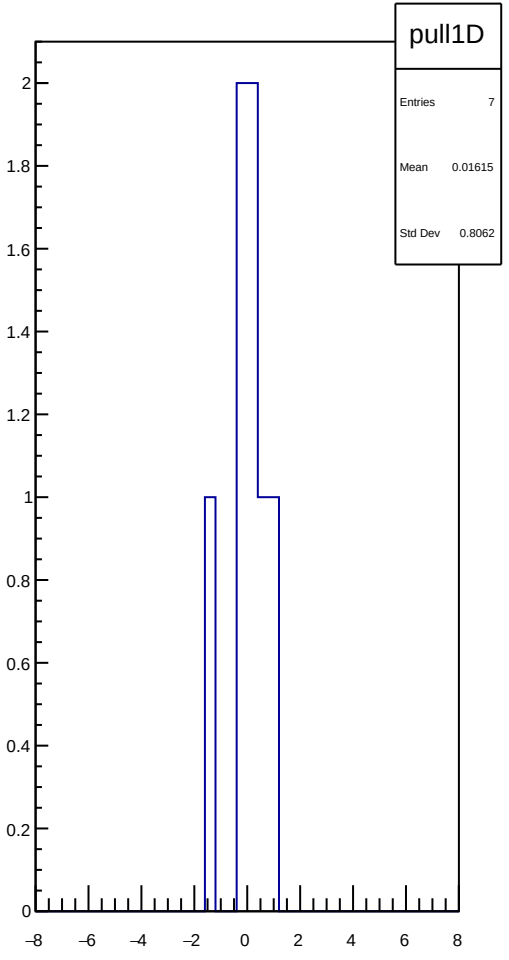

dit_asym_atl_avg_rms vs run
χ² / ndf 148.6 / 6
p0 2885 ± 7.693
3050
3000
2950
2900
2850
2800
2750
2700
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

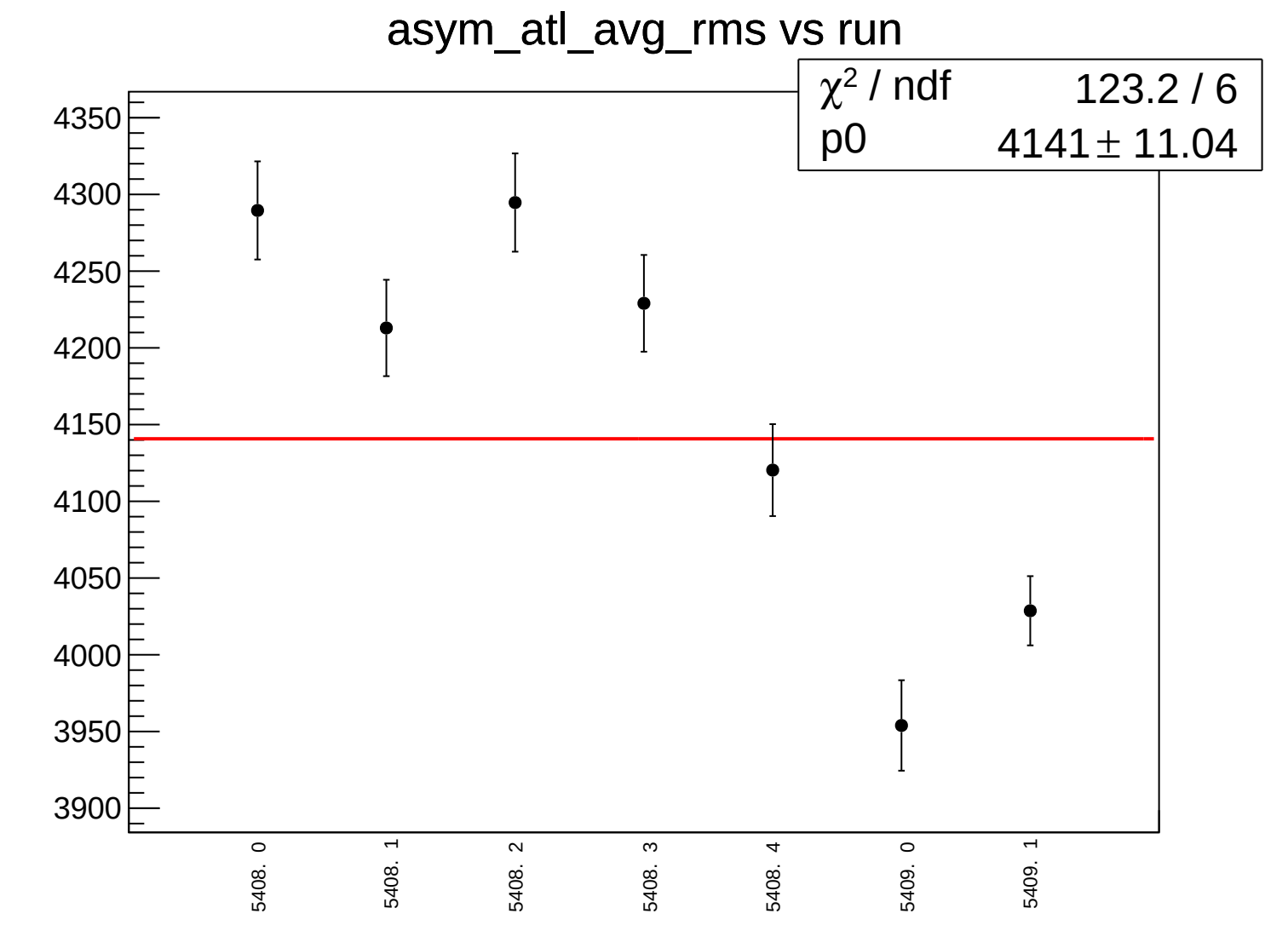

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 8.721 / 6
p0 −1.882e+04 ± 1.1e+04
60
40
20
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −11.65
Std Dev 14.09
1
0.5
0
−0.5
−1
−1.5
−2

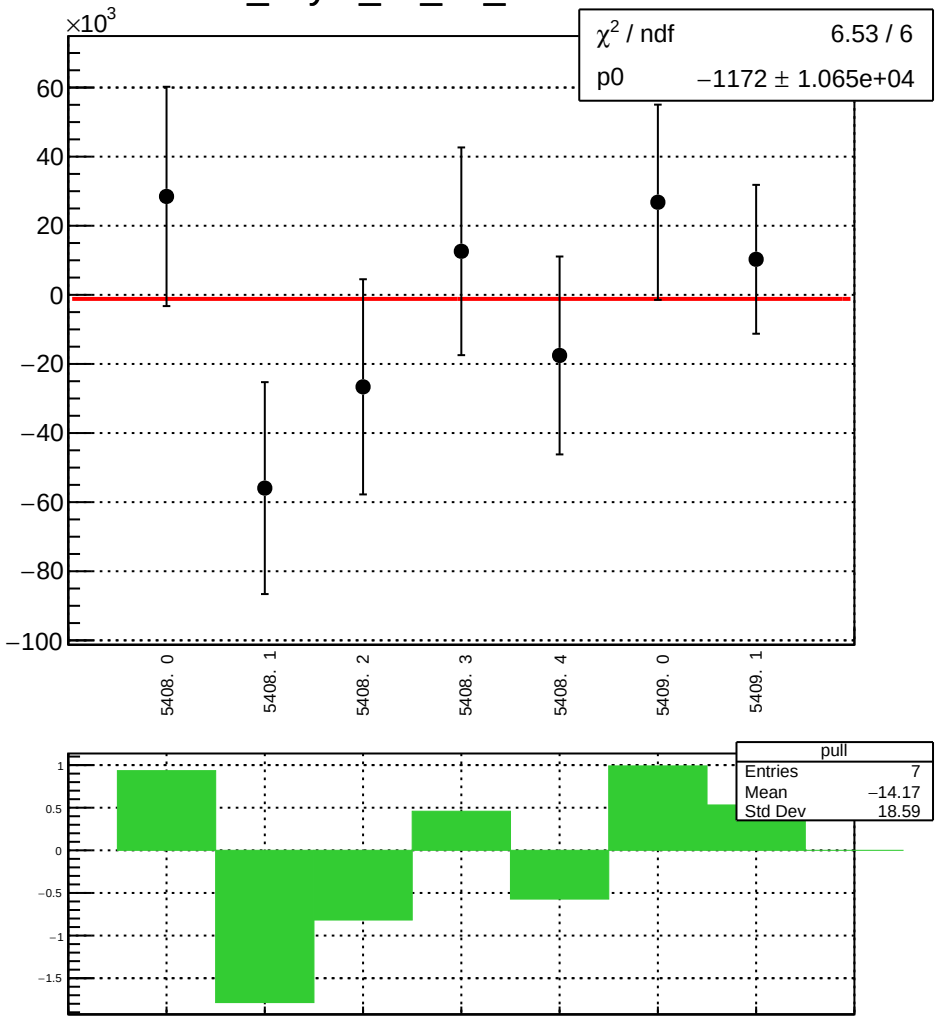

pull1D
Entries 7
Mean 0.03463
Std Dev 1.116
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

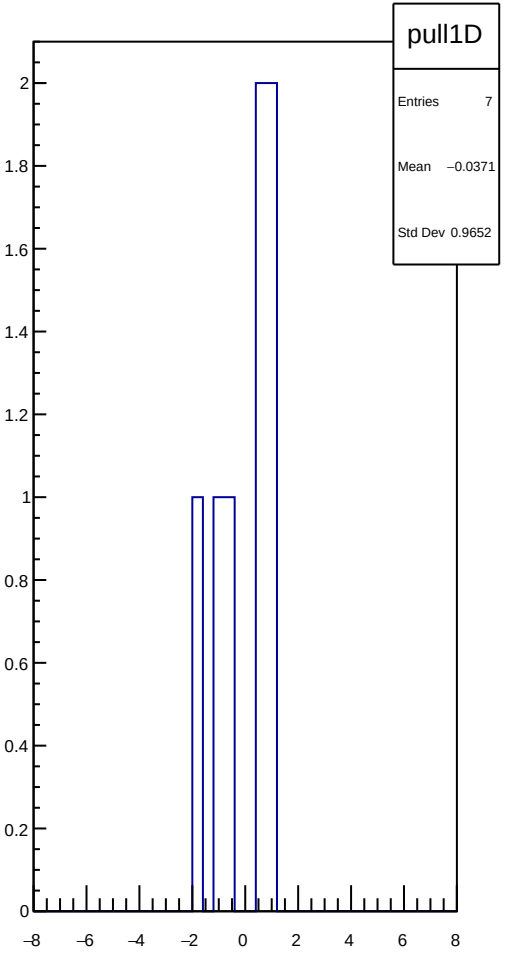

asym_atl_avg_correction_rms vs run
χ² / ndf 12.57 / 6
p0 2919 ± 7.78
3000
2980
2960
2940
2920
2900
2880
2860
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

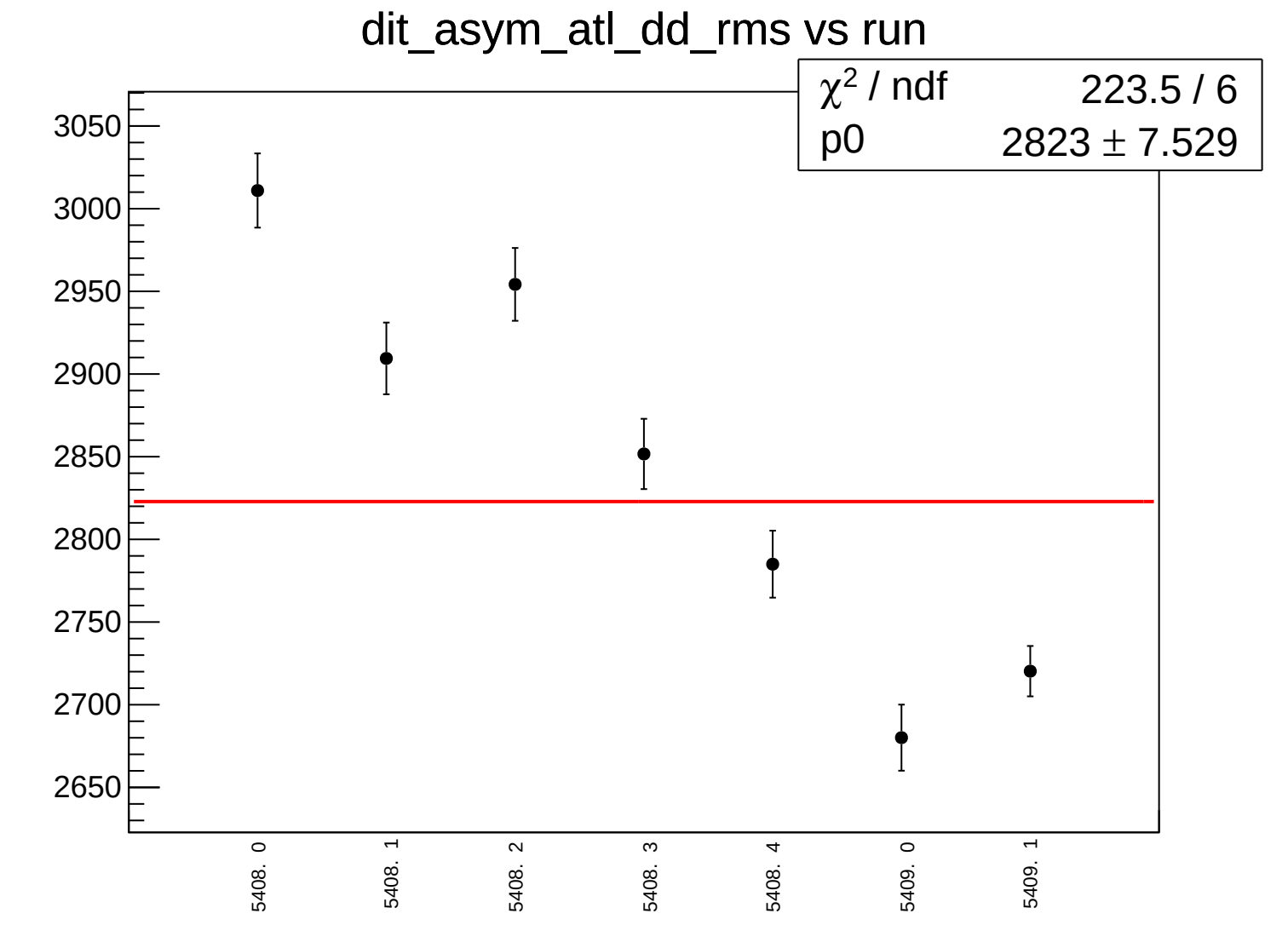

asym_atl_avg_mean vs run
×10^3
χ² / ndf 4.552 / 6
p0 2.115e+04 ± 1.561e+04
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 25.26
Std Dev 24.66
1
0.5
0
−0.5
−1
−1.5

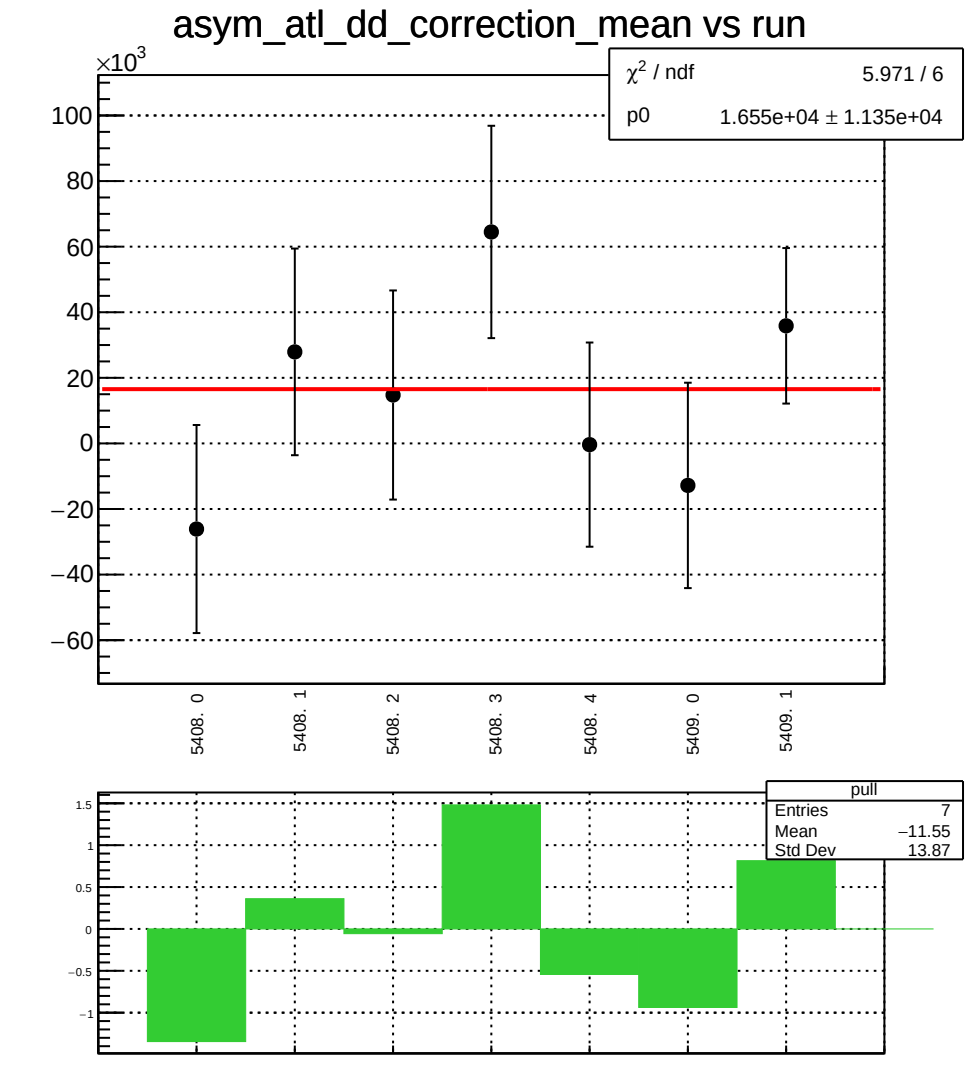

pull1D
Entries 7
Mean 0.01615
Std Dev 0.8062
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

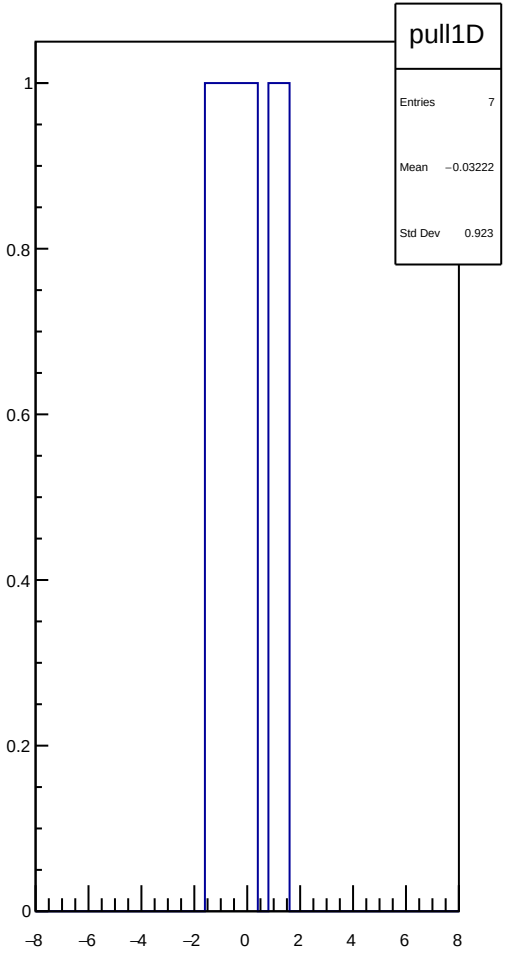

asym_atl_avg_rms vs run
χ² / ndf 123.2 / 6
p0 4141 ± 11.04
4350
4300
4250
4200
4150
4100
4050
4000
3950
3900
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

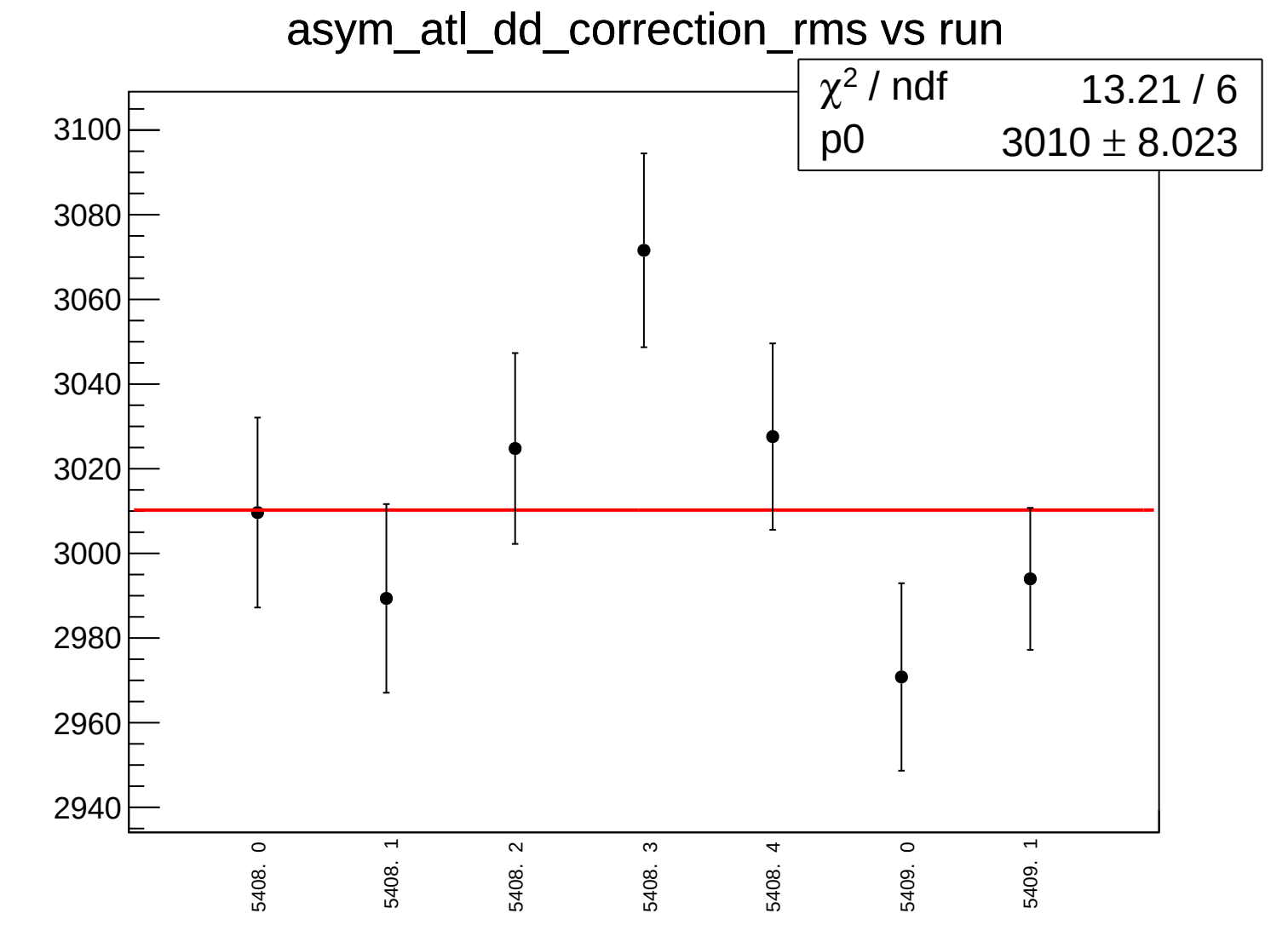

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 6.53 / 6
p0 −1172 ± 1.065e+04
60
40
20
0
−20
−40
−60
−80
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −14.17
Std Dev 18.59
1
0.5
0
−0.5
−1
−1.5

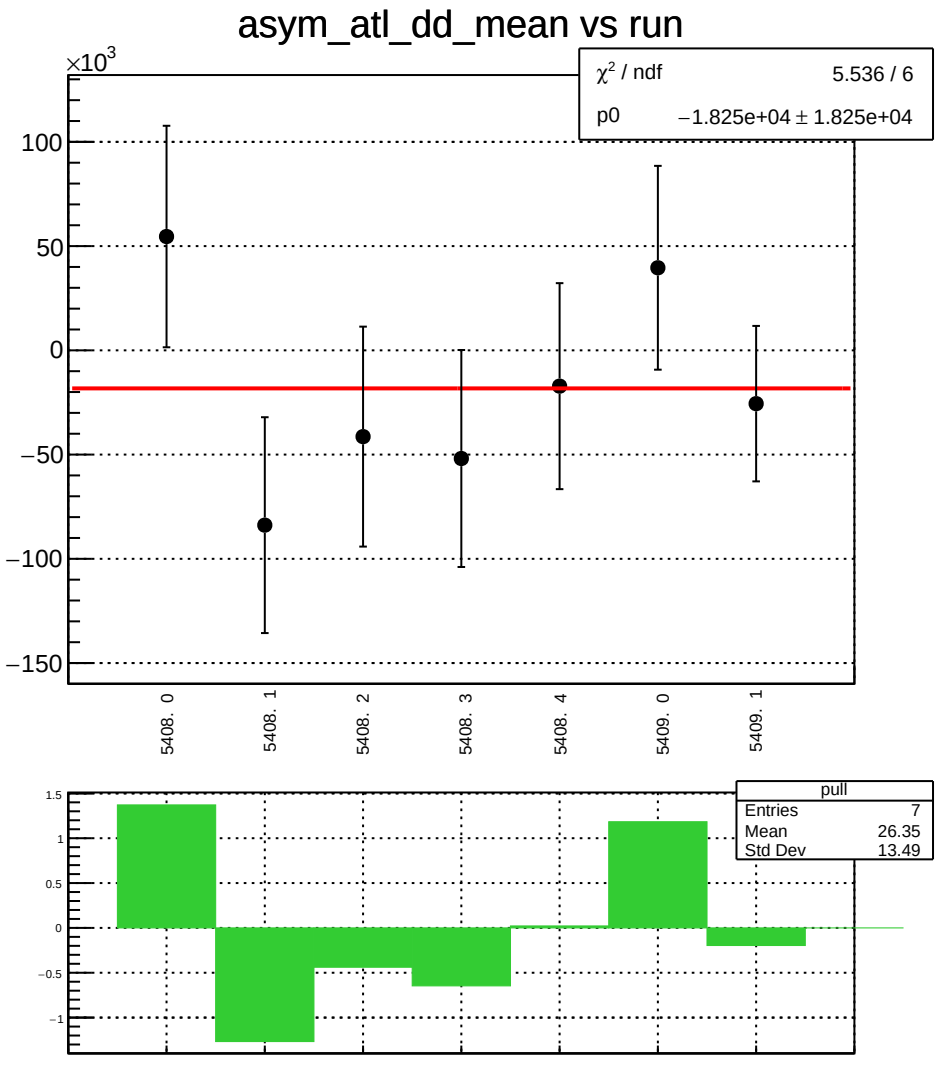

pull1D
Entries 7
Mean −0.0371
Std Dev 0.9652
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

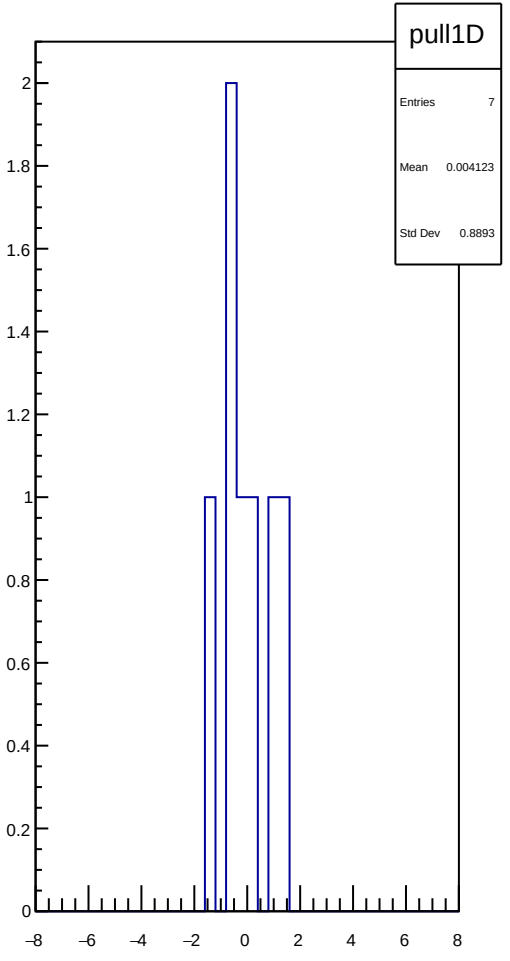

dit_asym_atl_dd_rms vs run
χ² / ndf 223.5 / 6
p0 2823 ± 7.529
3050
3000
2950
2900
2850
2800
2750
2700
2650
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

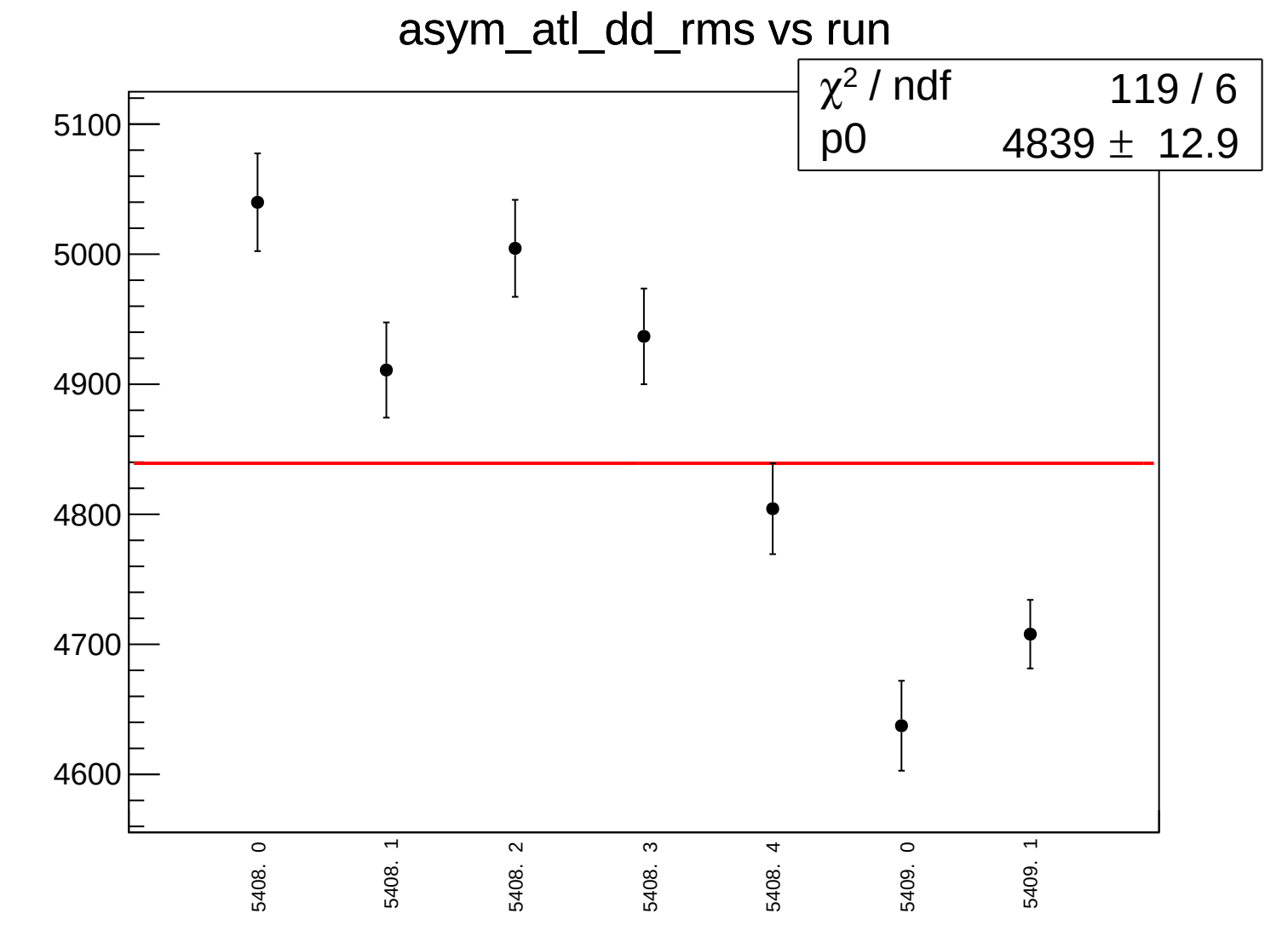

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 5.971 / 6
p0 1.655e+04 ± 1.135e+04
100
80
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −11.55
Std Dev 13.87
1.5
1
0.5
0
−0.5
−1

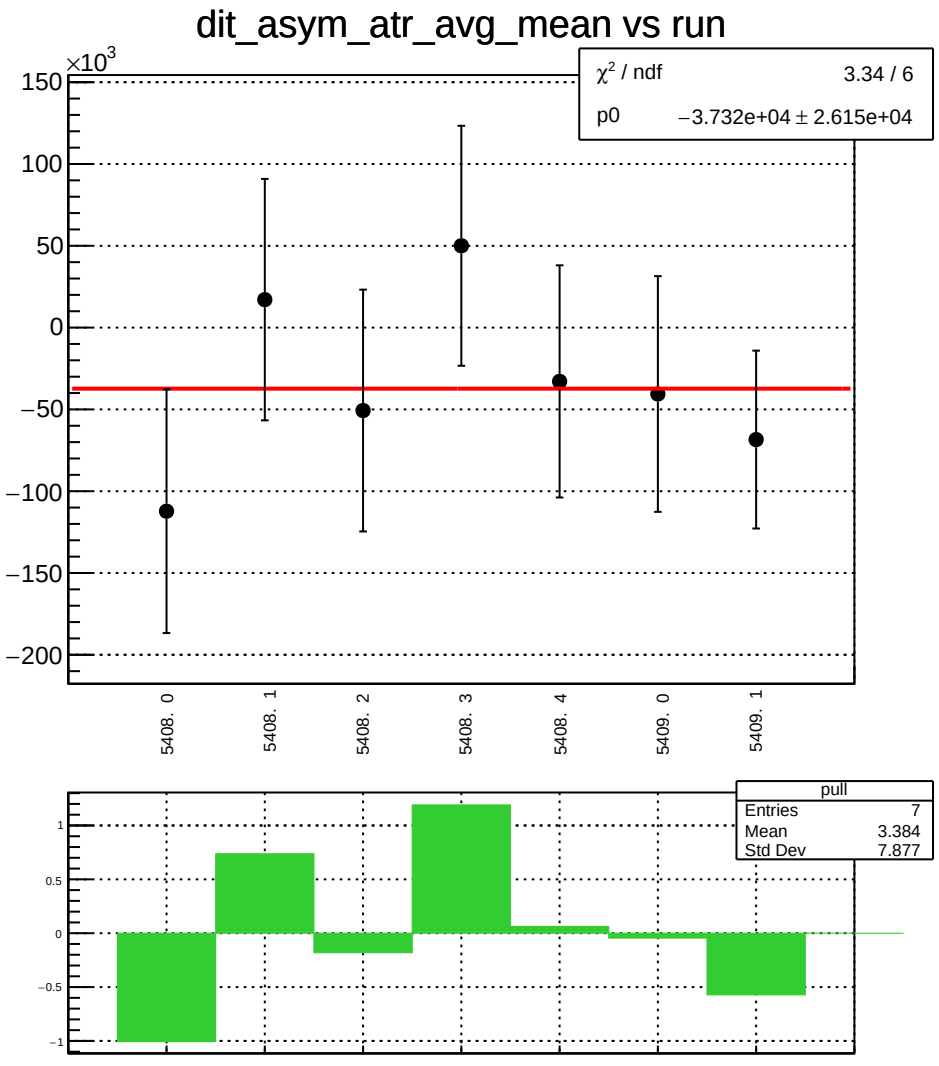

pull1D
Entries 7
Mean −0.03222
Std Dev 0.923
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

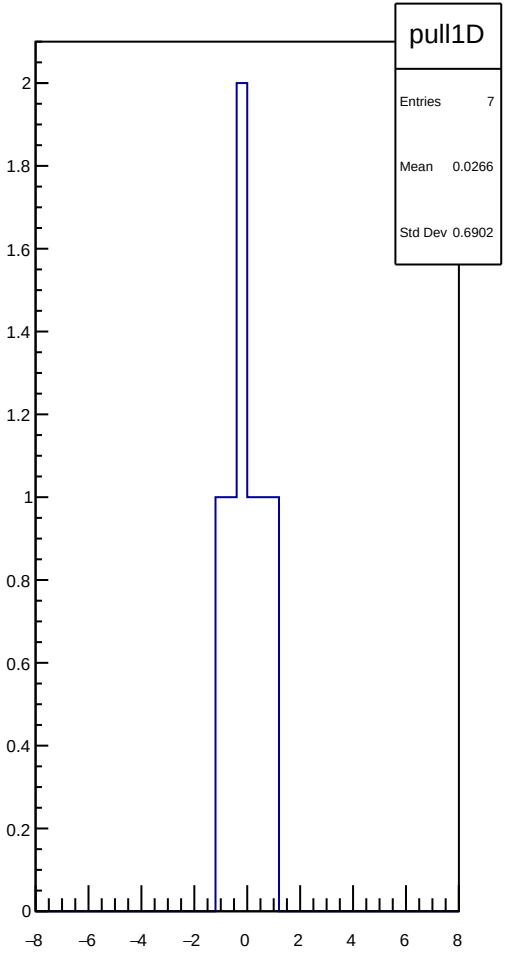

asym_atl_dd_correction_rms vs run
χ² / ndf 13.21 / 6
p0 3010 ± 8.023
3100
3080
3060
3040
3020
3000
2980
2960
2940
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

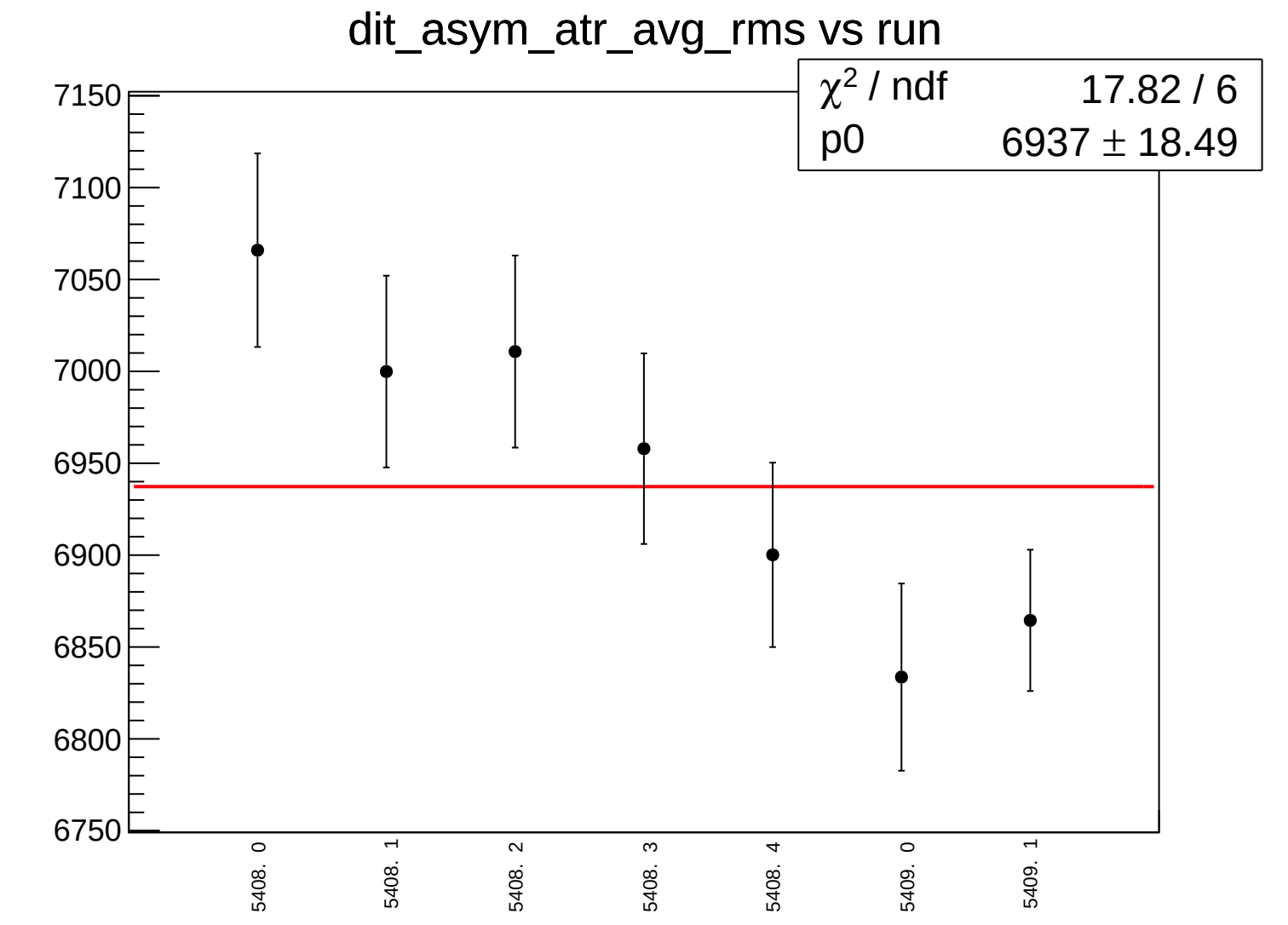

asym_atl_dd_mean vs run
×10^3
χ² / ndf 5.536 / 6
p0 −1.825e+04 ± 1.825e+04
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 26.35
Std Dev 13.49
1.5
1
0.5
0
−0.5
−1

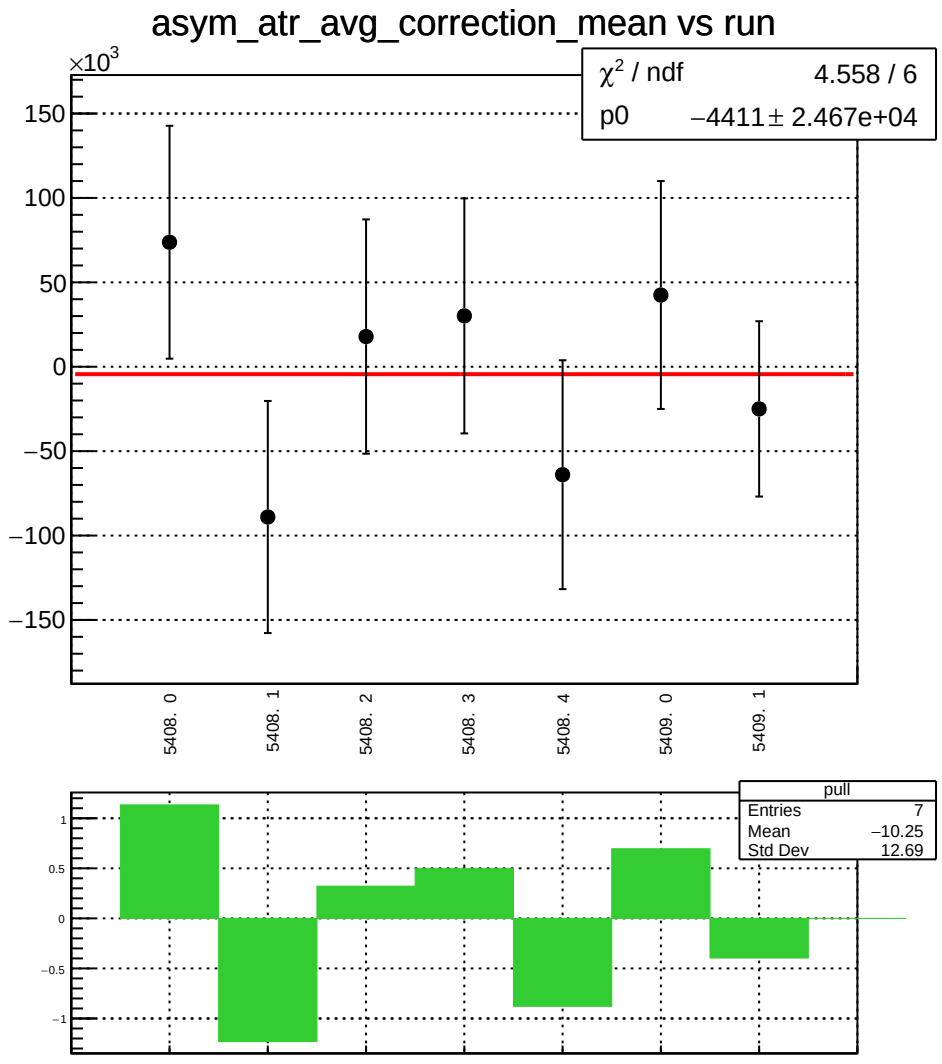

pull1D
Entries 7
Mean 0.004123
Std Dev 0.8893
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

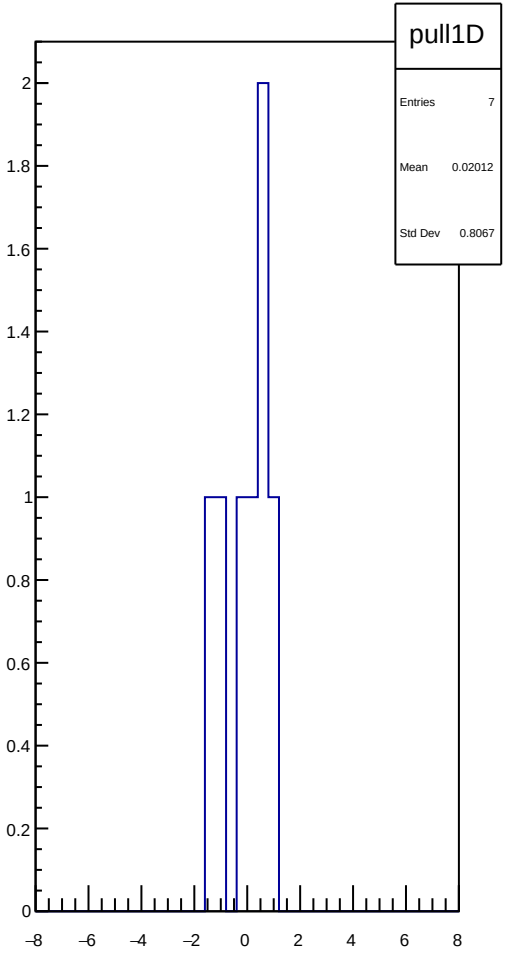

asym_atl_dd_rms vs run
χ² / ndf 119 / 6
p0 4839 ± 12.9
5100
5000
4900
4800
4700
4600
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

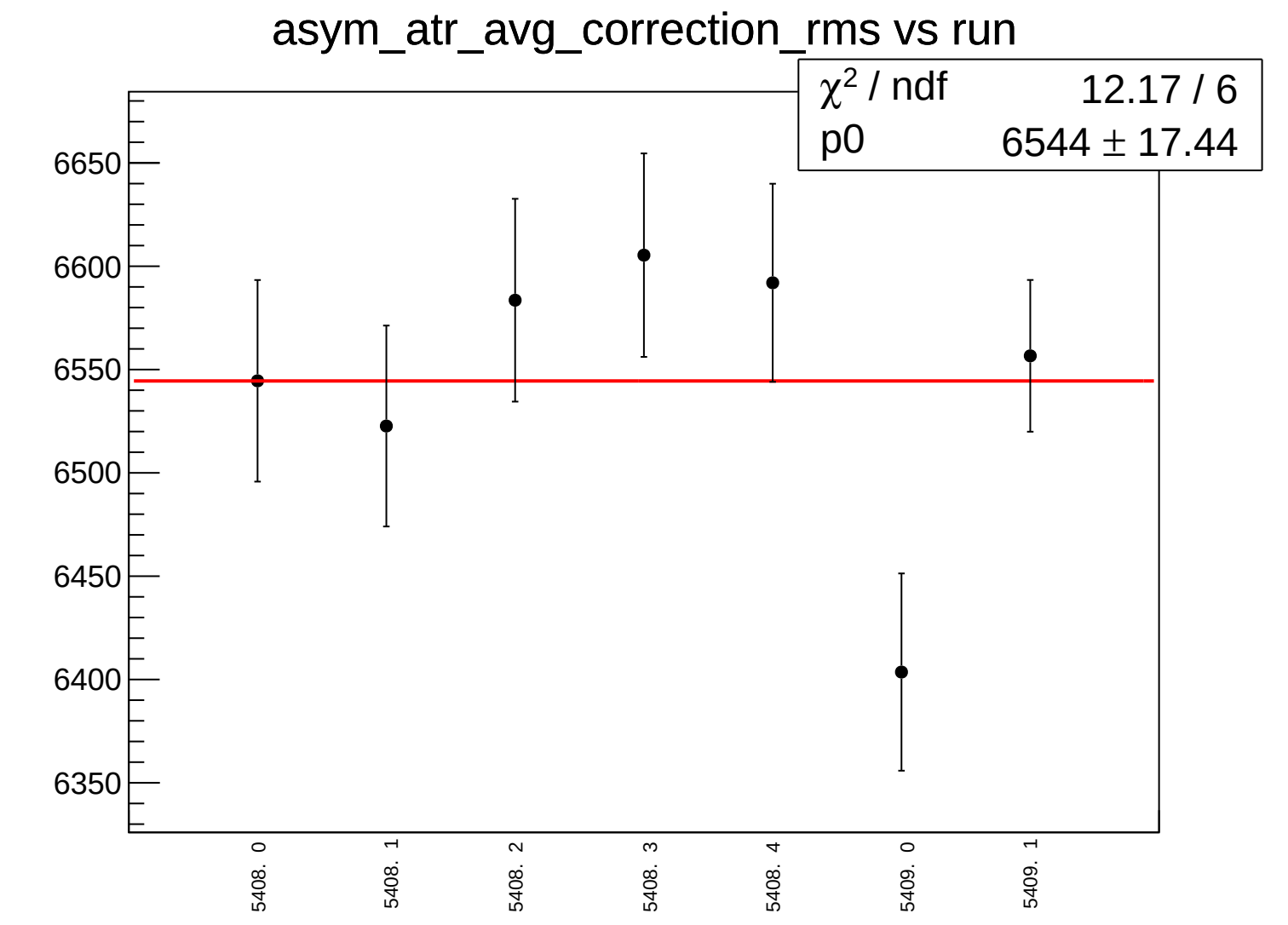

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 3.34 / 6
p0 −3.732e+04 ± 2.615e+04
150
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.384
Std Dev 7.877
1
0.5
0
−0.5
−1

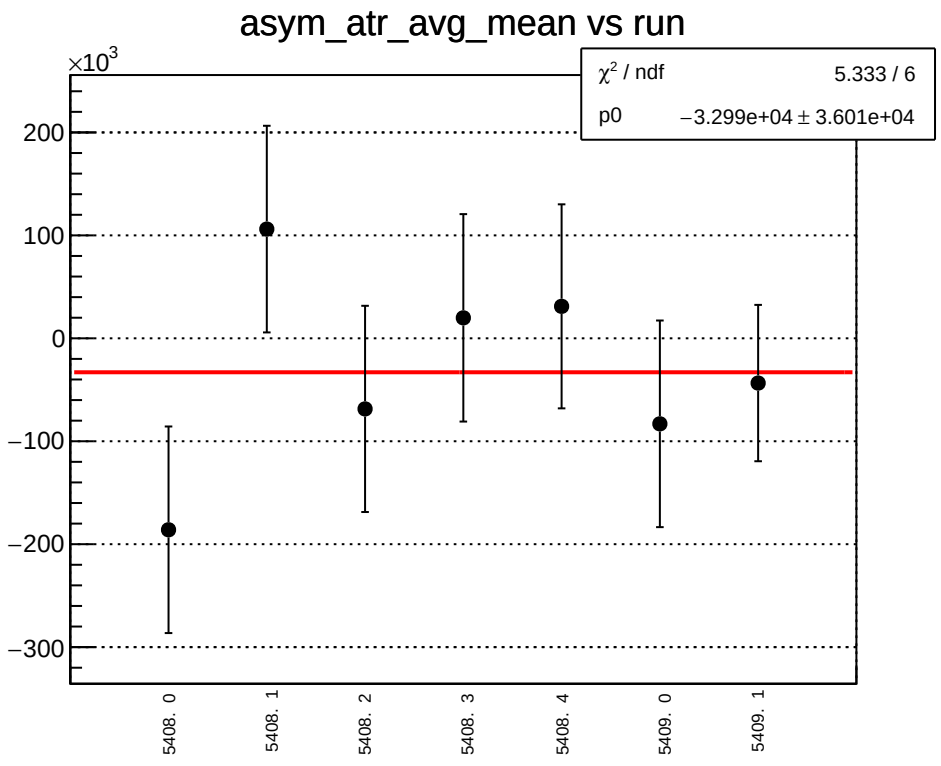

pull1D
Entries 7
Mean 0.0266
Std Dev 0.6902
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

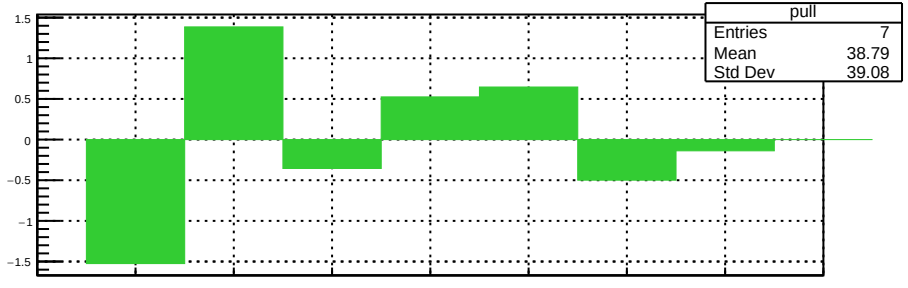

dit_asym_atr_avg_rms vs run
χ² / ndf 17.82 / 6
p0 6937 ± 18.49
7150
7100
7050
7000
6950
6900
6850
6800
6750
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

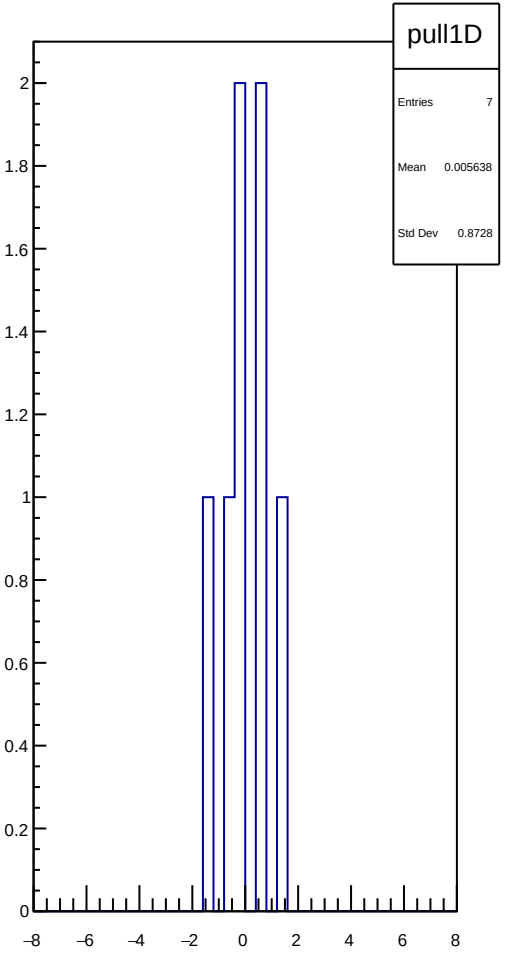

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 4.558 / 6
p0 −4411 ± 2.467e+04
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.25
Std Dev 12.69
1
0.5
0
−0.5
−1

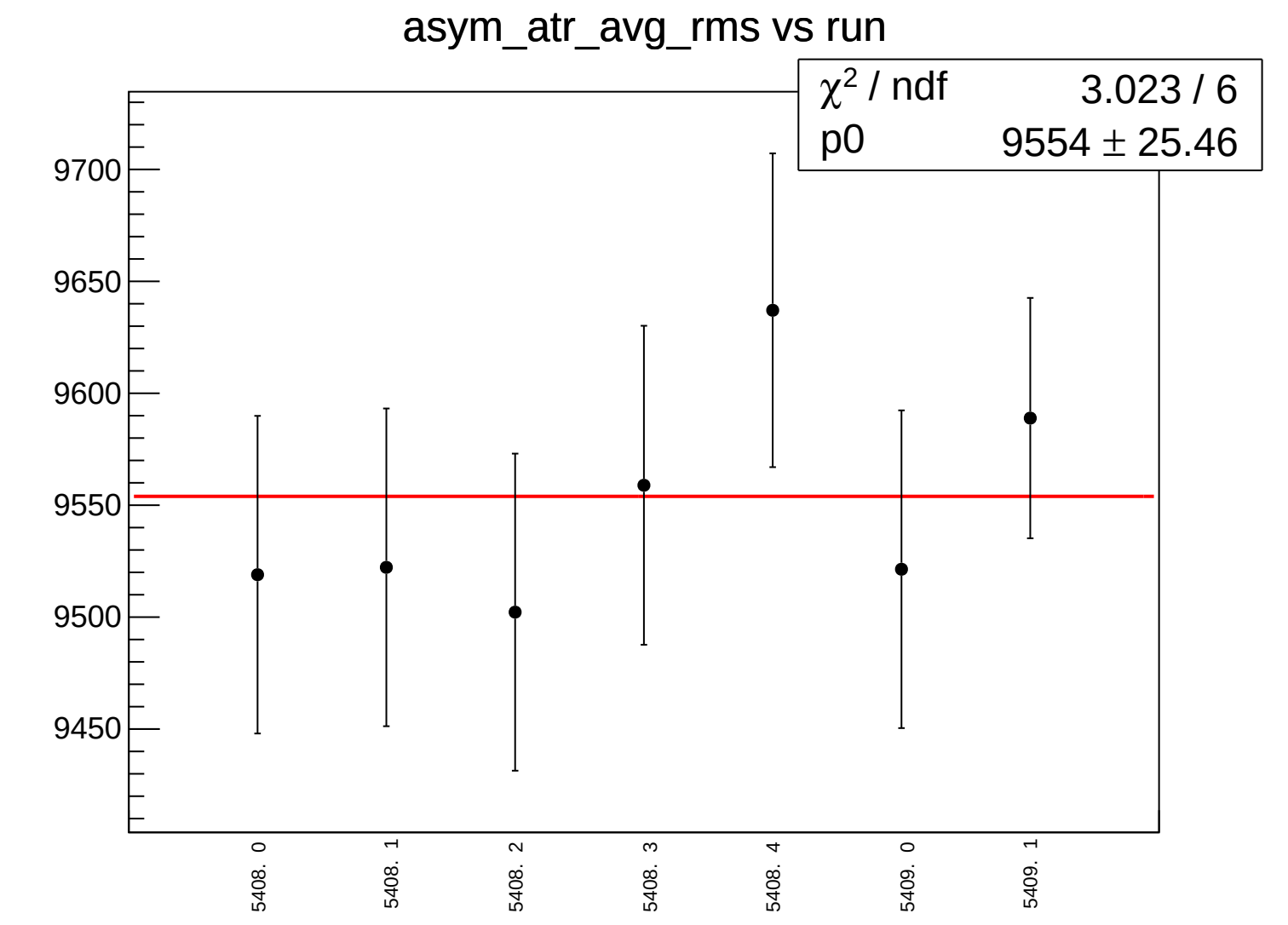

pull1D
Entries 7
Mean 0.02012
Std Dev 0.8067
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

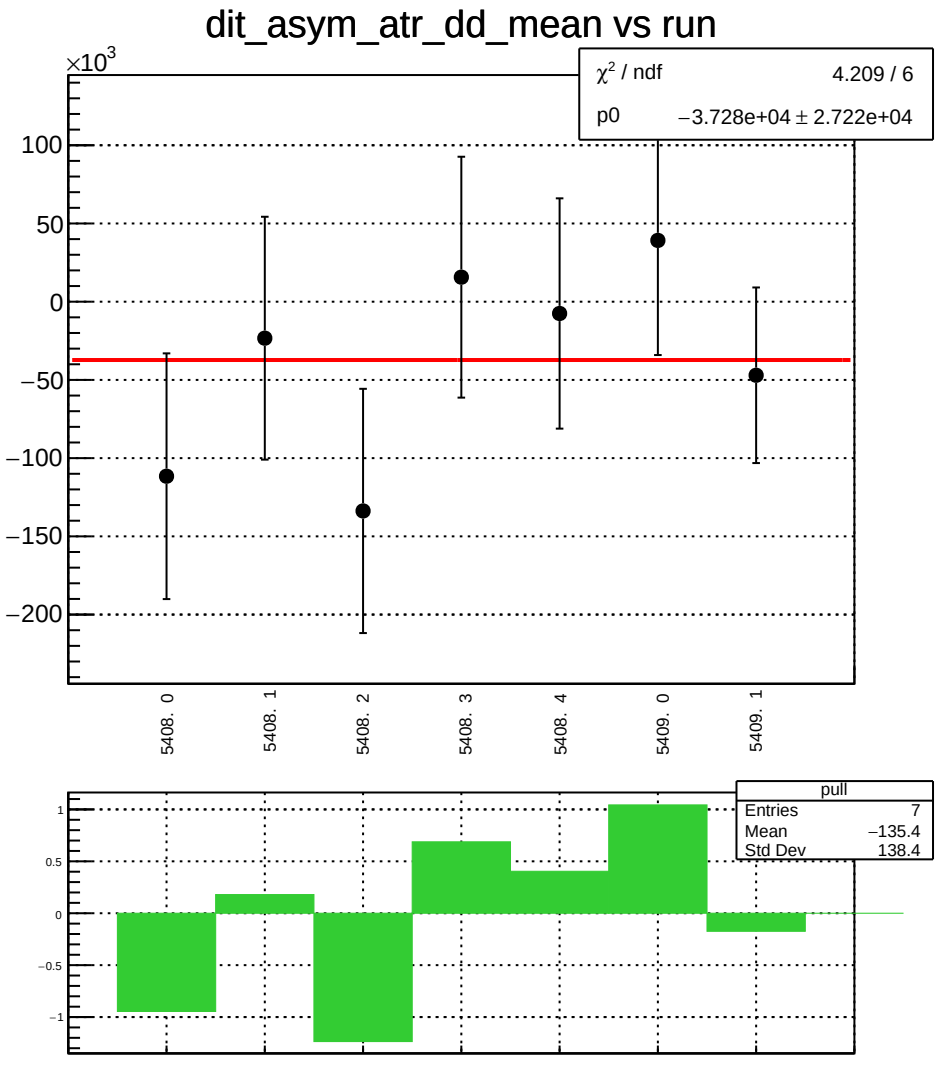

asym_atr_avg_correction_rms vs run
χ² / ndf 12.17 / 6
p0 6544 ± 17.44
6650
6600
6550
6500
6450
6400
6350
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

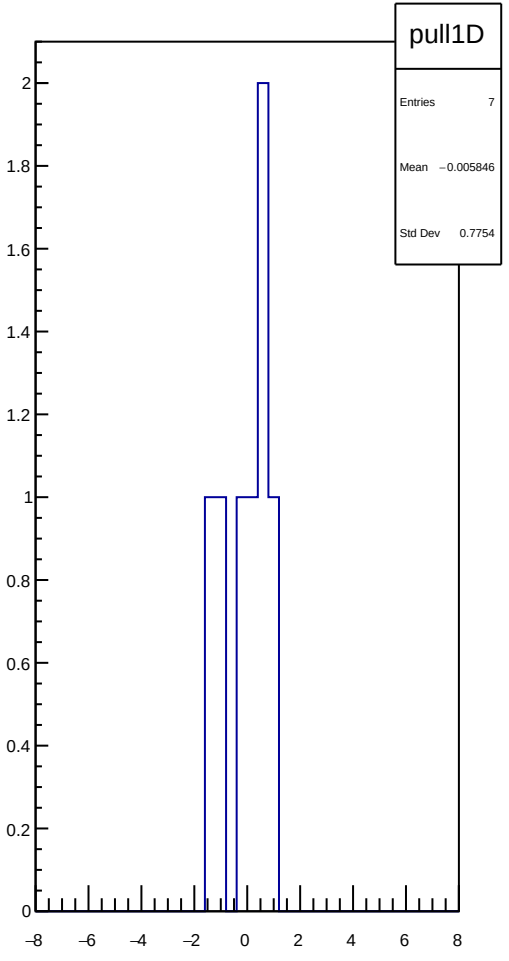

asym_atr_avg_mean vs run
×10^3
χ² / ndf 5.333 / 6
p0 −3.299e+04 ± 3.601e+04
200
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

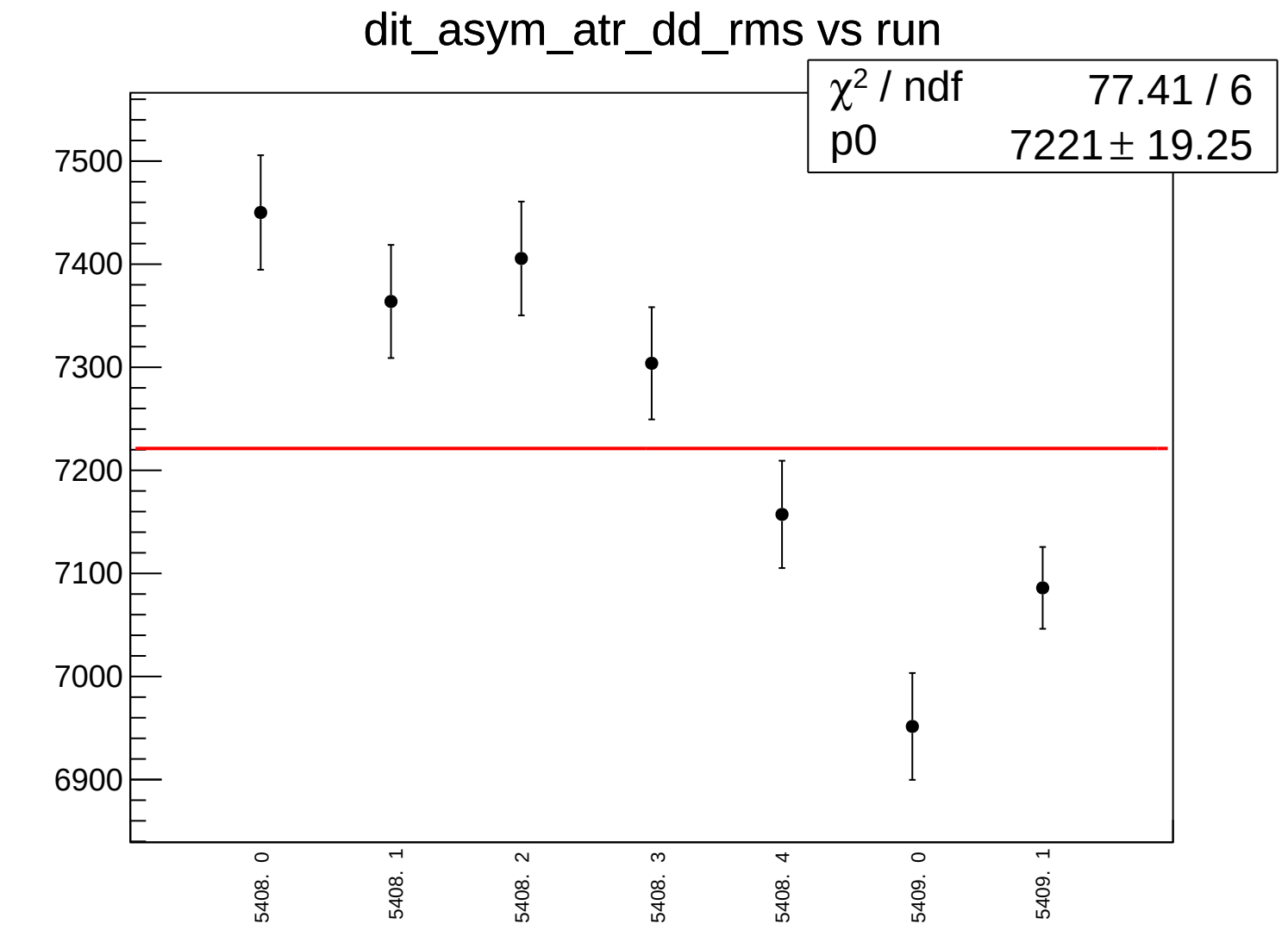

pull
Entries 7
Mean 38.79
Std Dev 39.08
1.5
1
0.5
0
−0.5
−1
−1.5

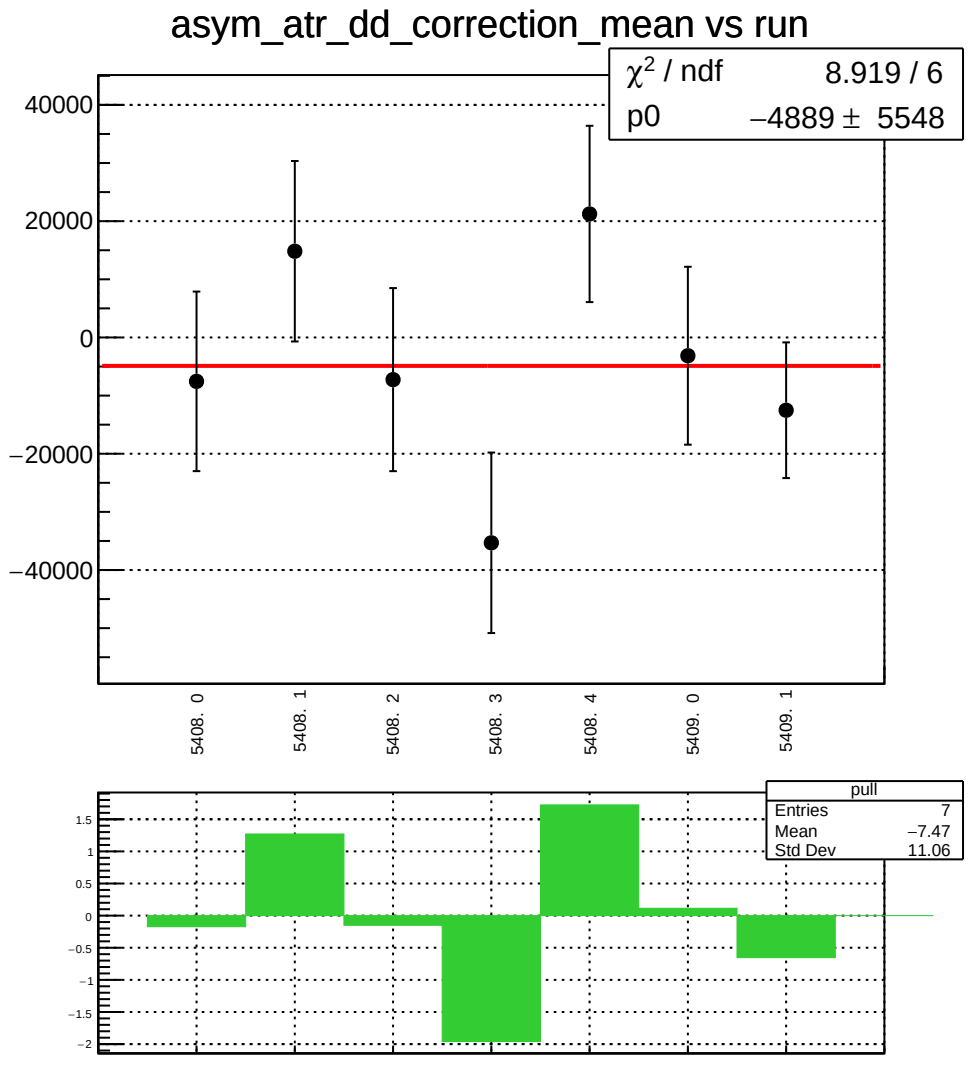

pull1D
Entries 7
Mean 0.005638
Std Dev 0.8728
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

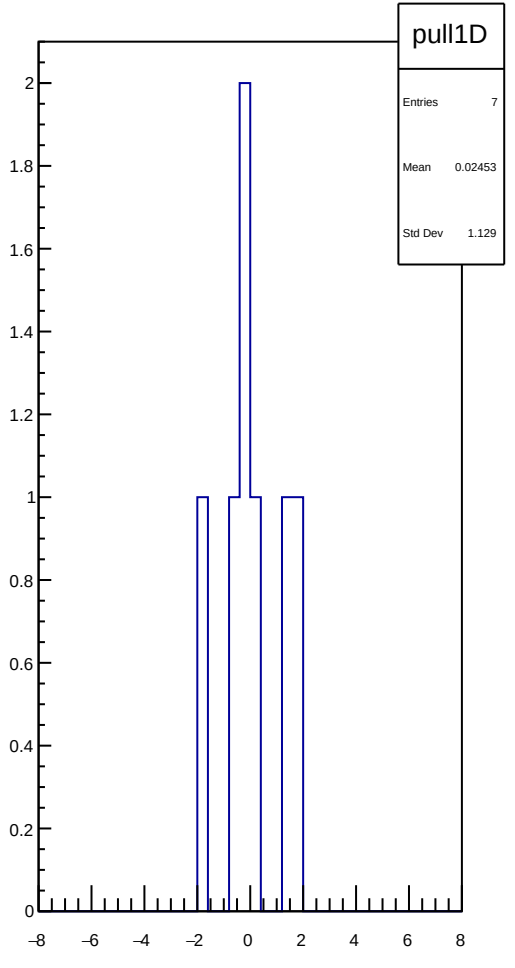

asym_atr_avg_rms vs run
χ² / ndf 3.023 / 6
p0 9554 ± 25.46
9700
9650
9600
9550
9500
9450
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

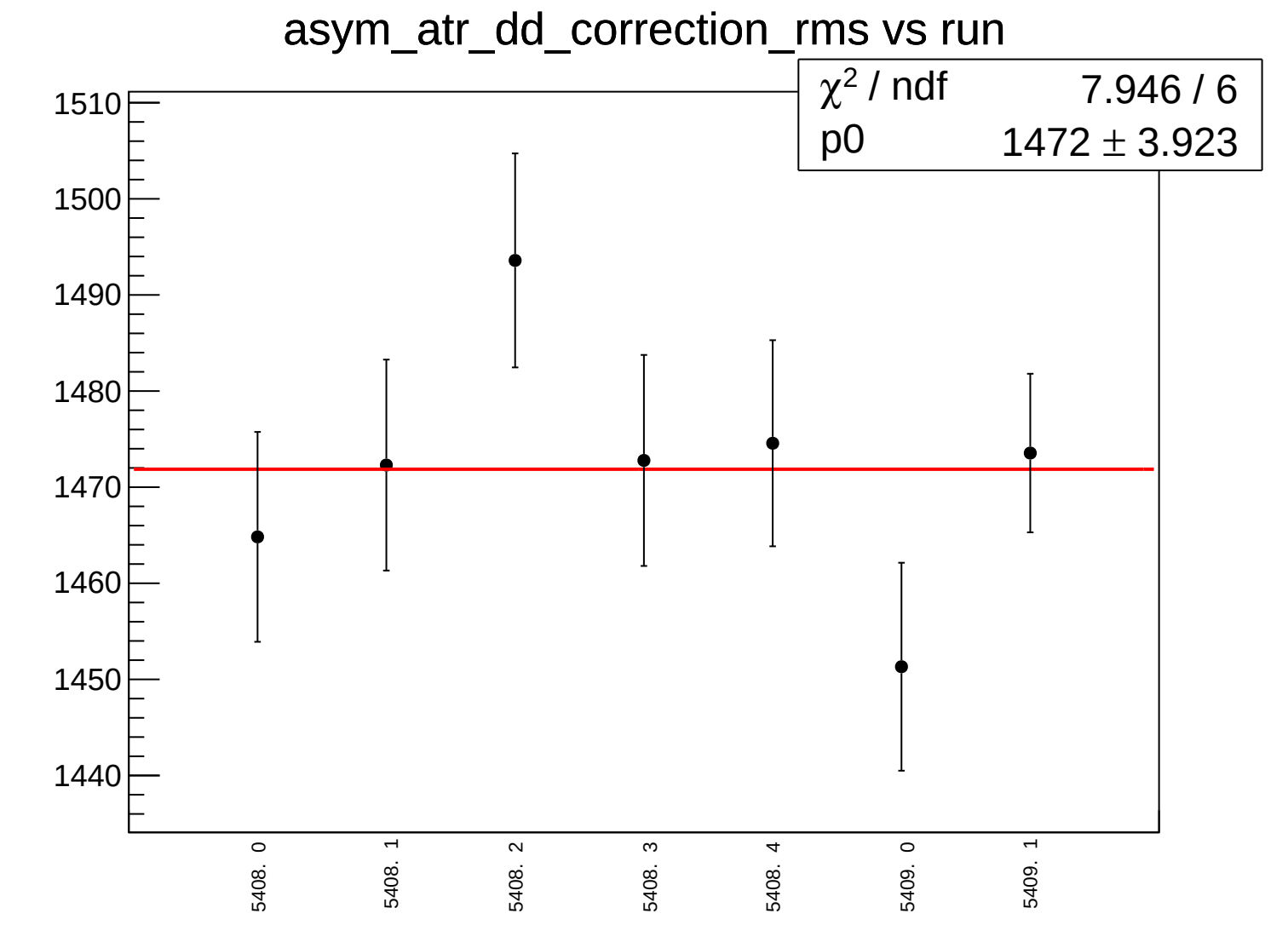

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 4.209 / 6
p0 −3.728e+04 ± 2.722e+04
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −135.4
Std Dev 138.4
1
0.5
0
−0.5
−1

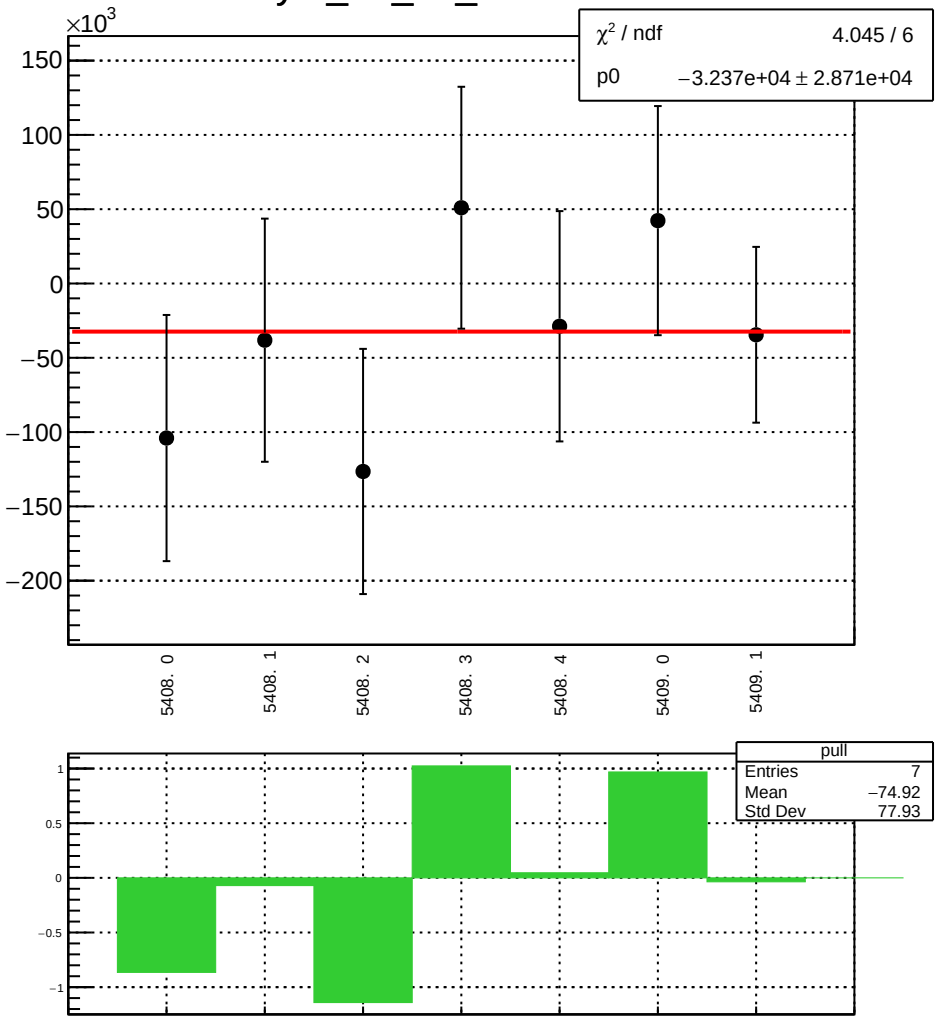

pull1D
Entries 7
Mean −0.005846
Std Dev 0.7754
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

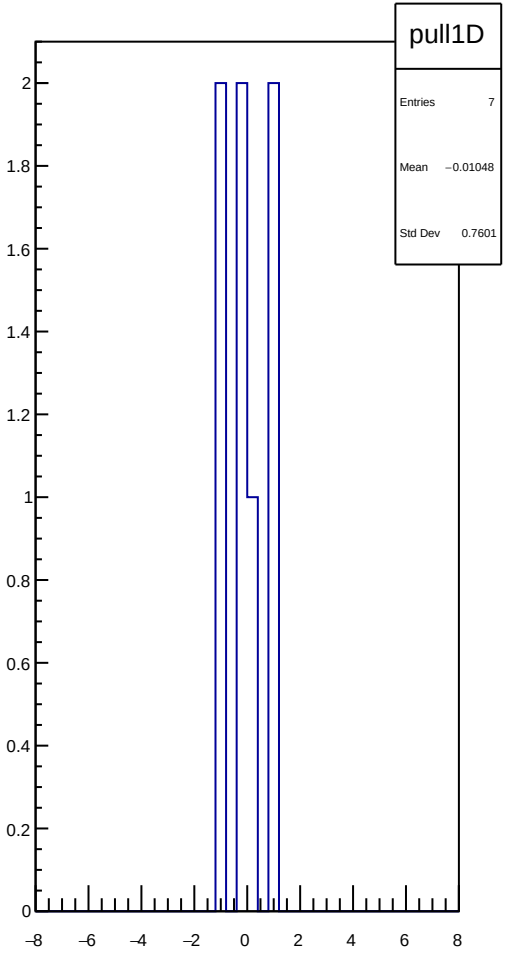

dit_asym_atr_dd_rms vs run
χ² / ndf 77.41 / 6
p0 7221 ± 19.25
7500
7400
7300
7200
7100
7000
6900
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

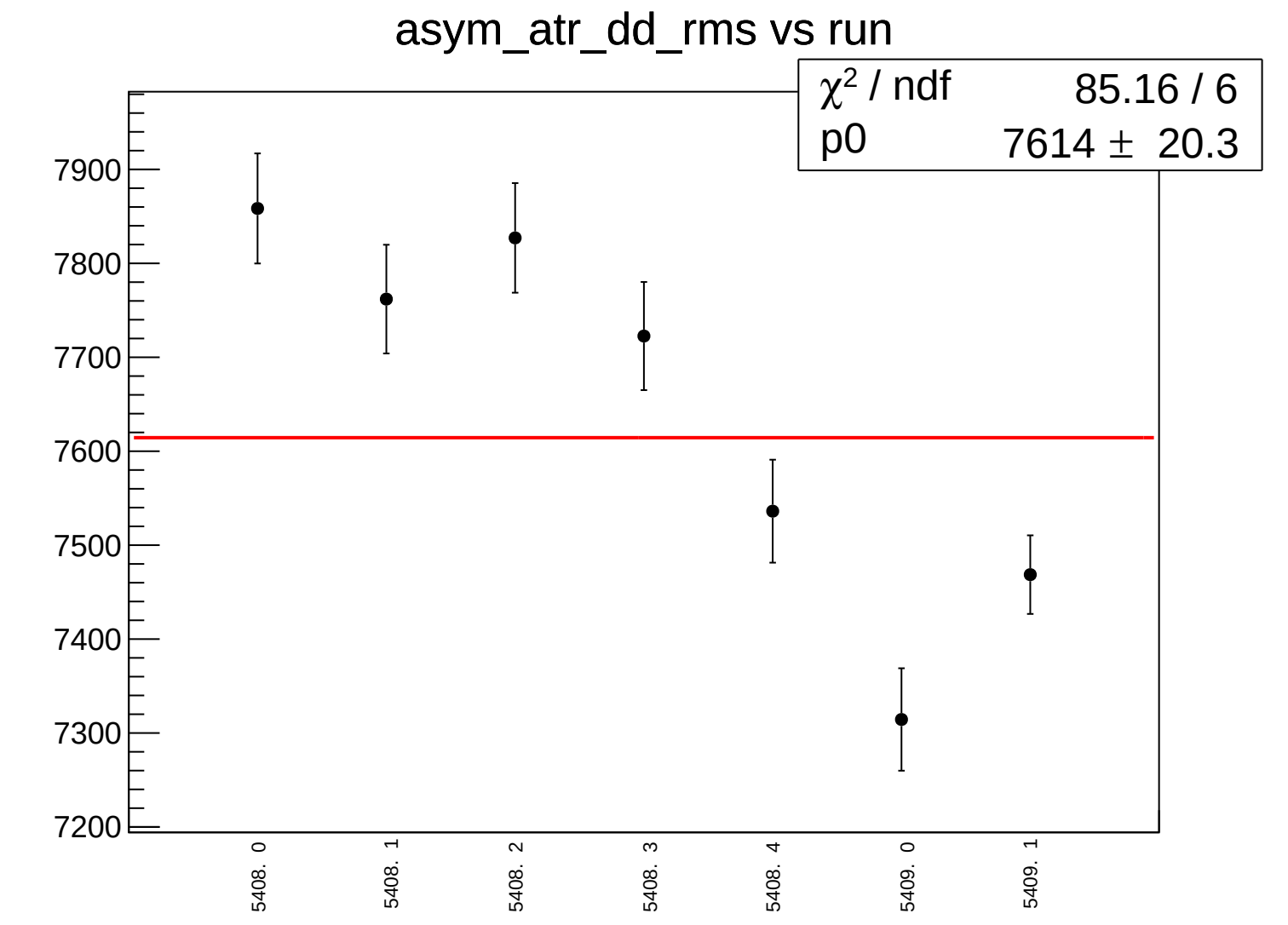

asym_atr_dd_correction_mean vs run
χ² / ndf 8.919 / 6
p0 −4889 ± 5548
40000
20000
0
−20000
−40000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.47
Std Dev 11.06
1.5
1
0.5
0
−0.5
−1
−1.5
−2

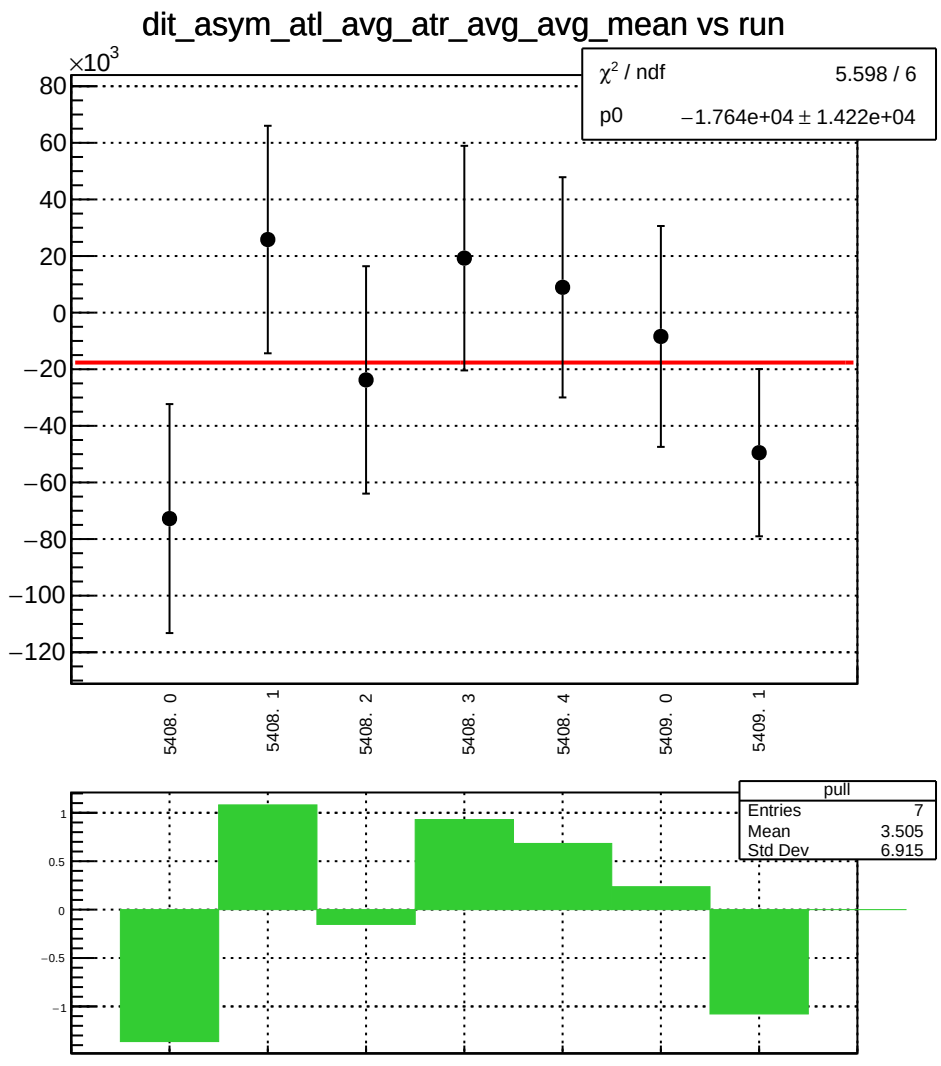

pull1D
Entries 7
Mean 0.02453
Std Dev 1.129
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

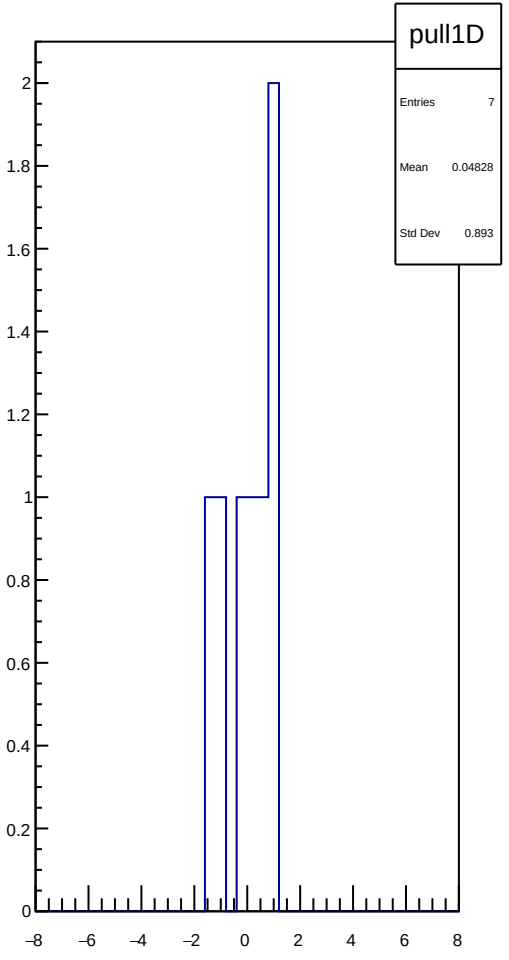

asym_atr_dd_correction_rms vs run
χ² / ndf 7.946 / 6
p0 1472 ± 3.923
1510
1500
1490
1480
1470
1460
1450
1440
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

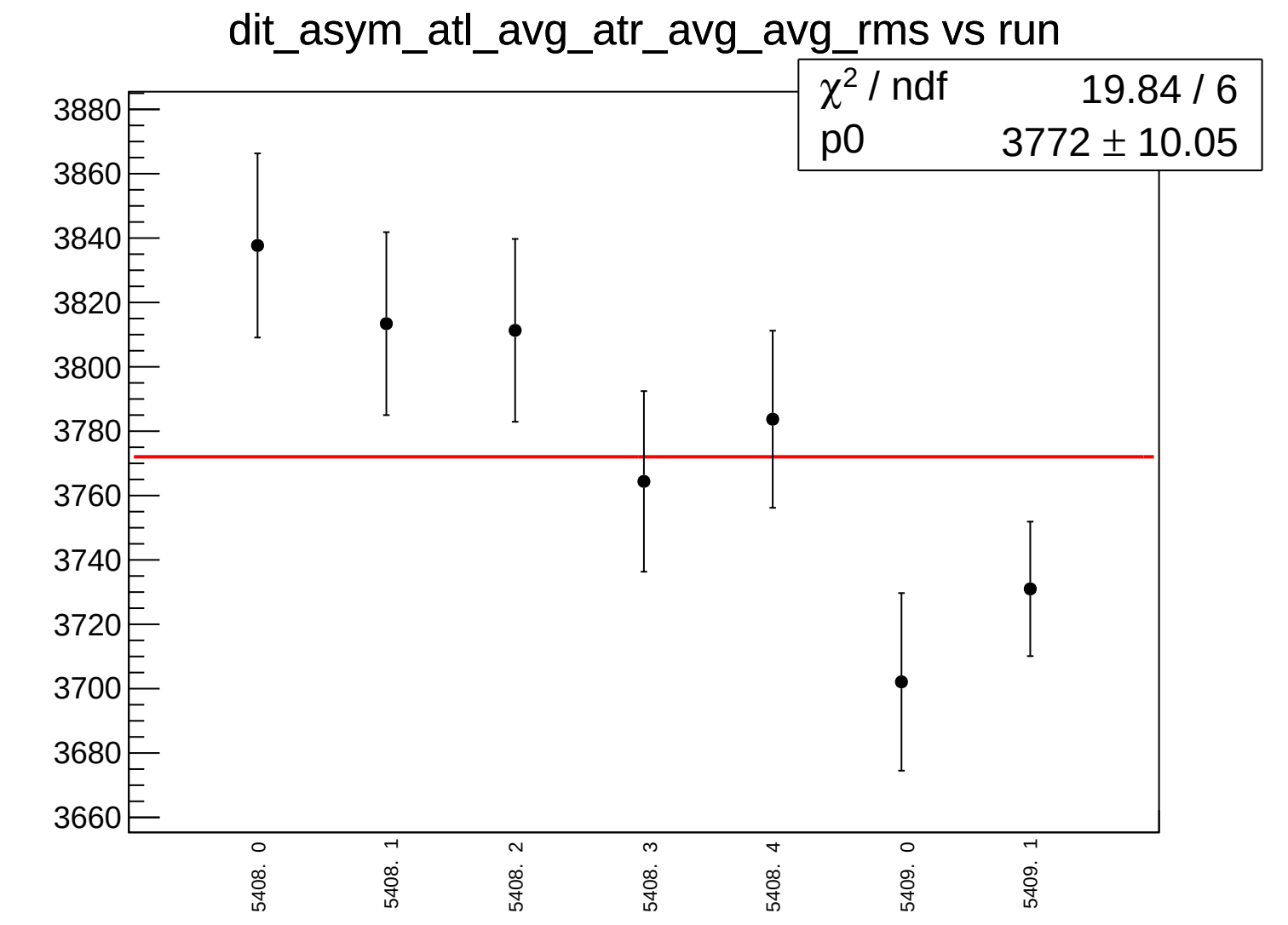

asym_atr_dd_mean vs run
×10^3
χ² / ndf 4.045 / 6
p0 −3.237e+04 ± 2.871e+04
150
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −74.92
Std Dev 77.93
1
0.5
0
−0.5
−1

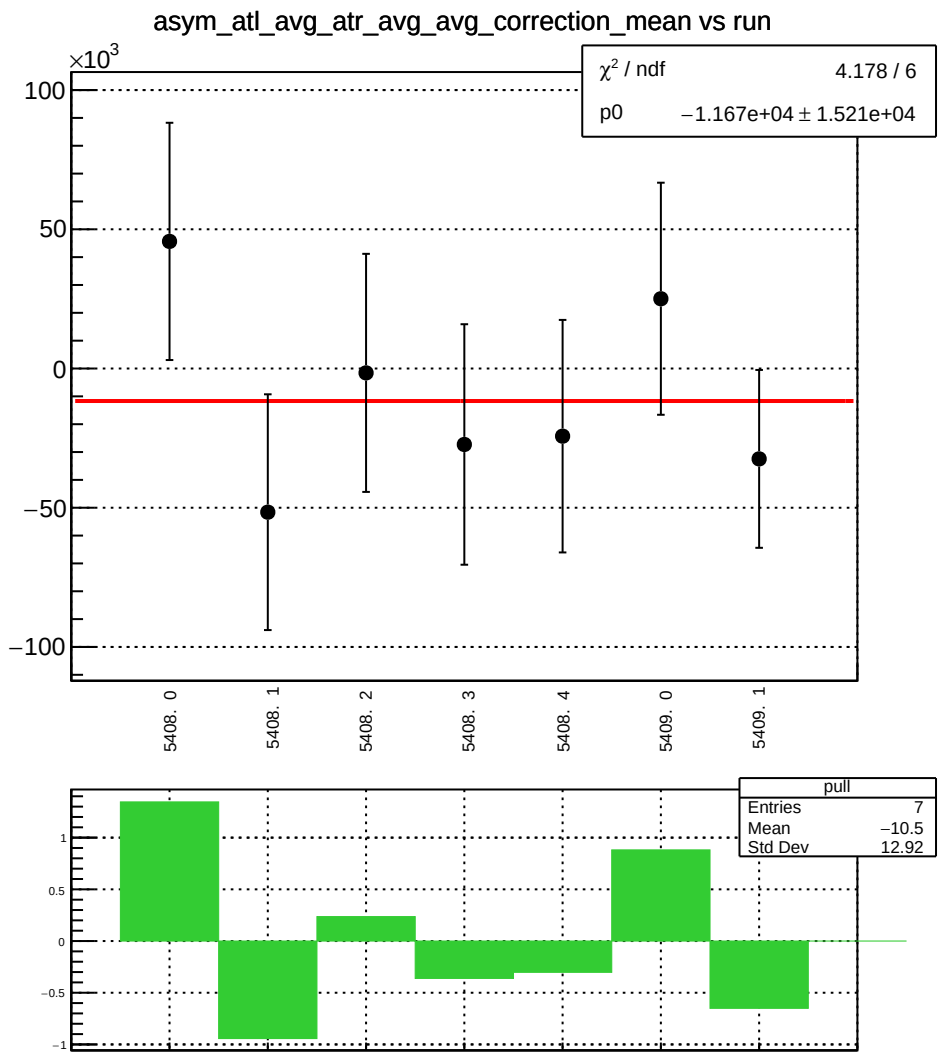

pull1D
Entries 7
Mean −0.01048
Std Dev 0.7601
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

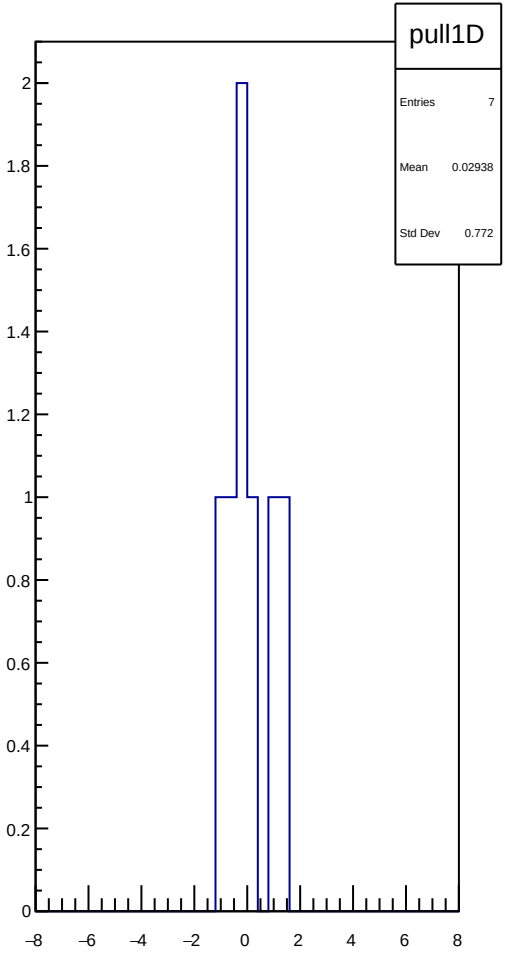

asym_atr_dd_rms vs run
χ² / ndf 85.16 / 6
p0 7614 ± 20.3
7900
7800
7700
7600
7500
7400
7300
7200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

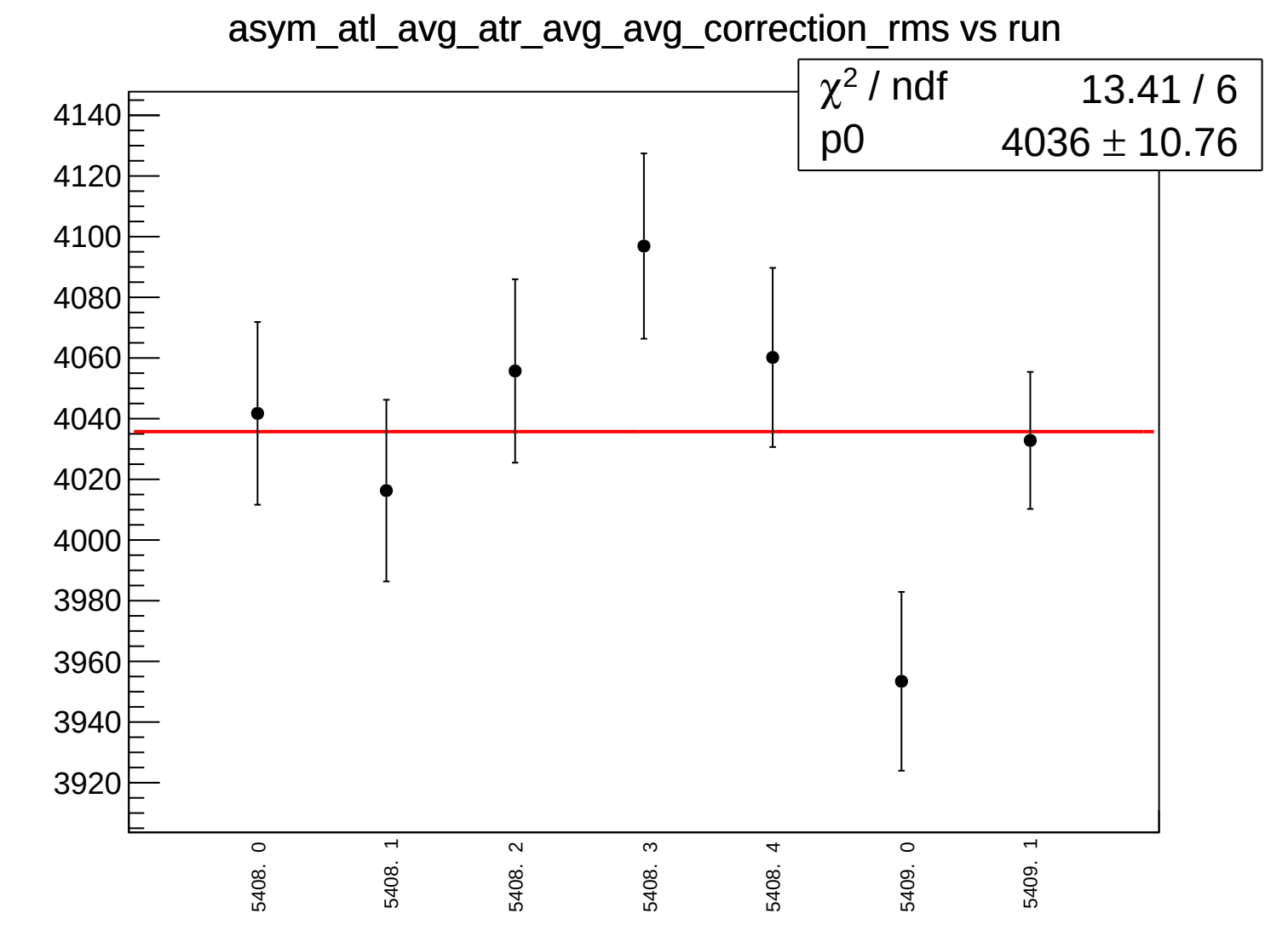

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 5.598 / 6
p0 −1.764e+04 ± 1.422e+04
80
60
40
20
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.505
Std Dev 6.915
1
0.5
0
−0.5
−1

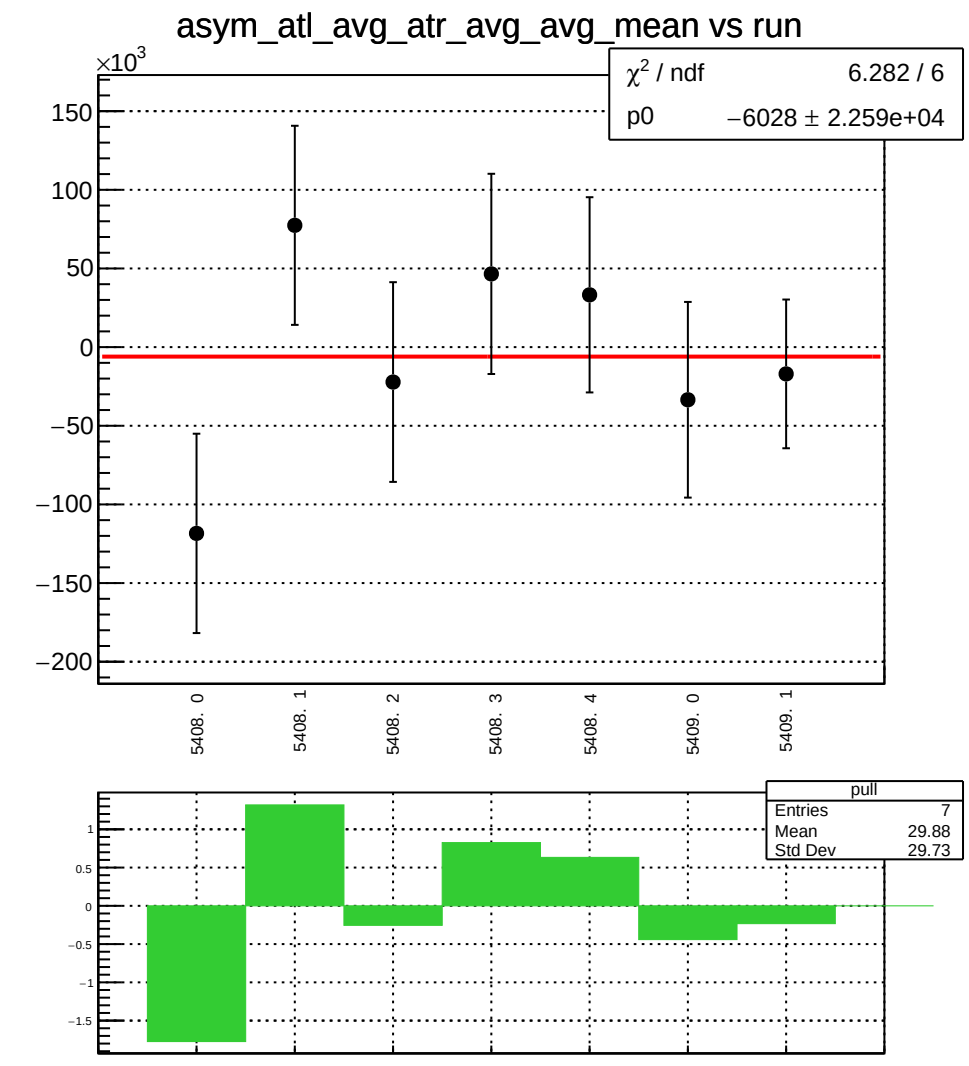

pull1D
Entries 7
Mean 0.04828
Std Dev 0.893
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

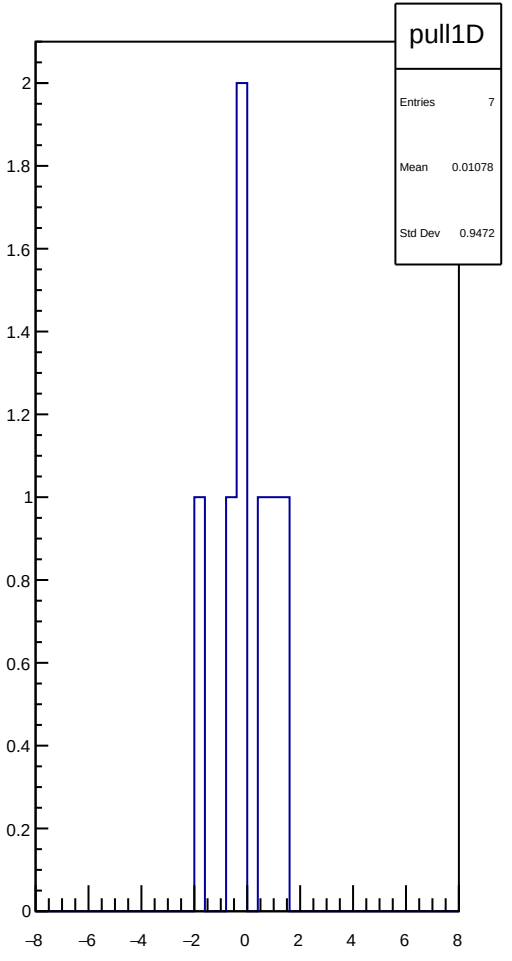

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 19.84 / 6
p0 3772 ± 10.05
3880
3860
3840
3820
3800
3780
3760
3740
3720
3700
3680
3660
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

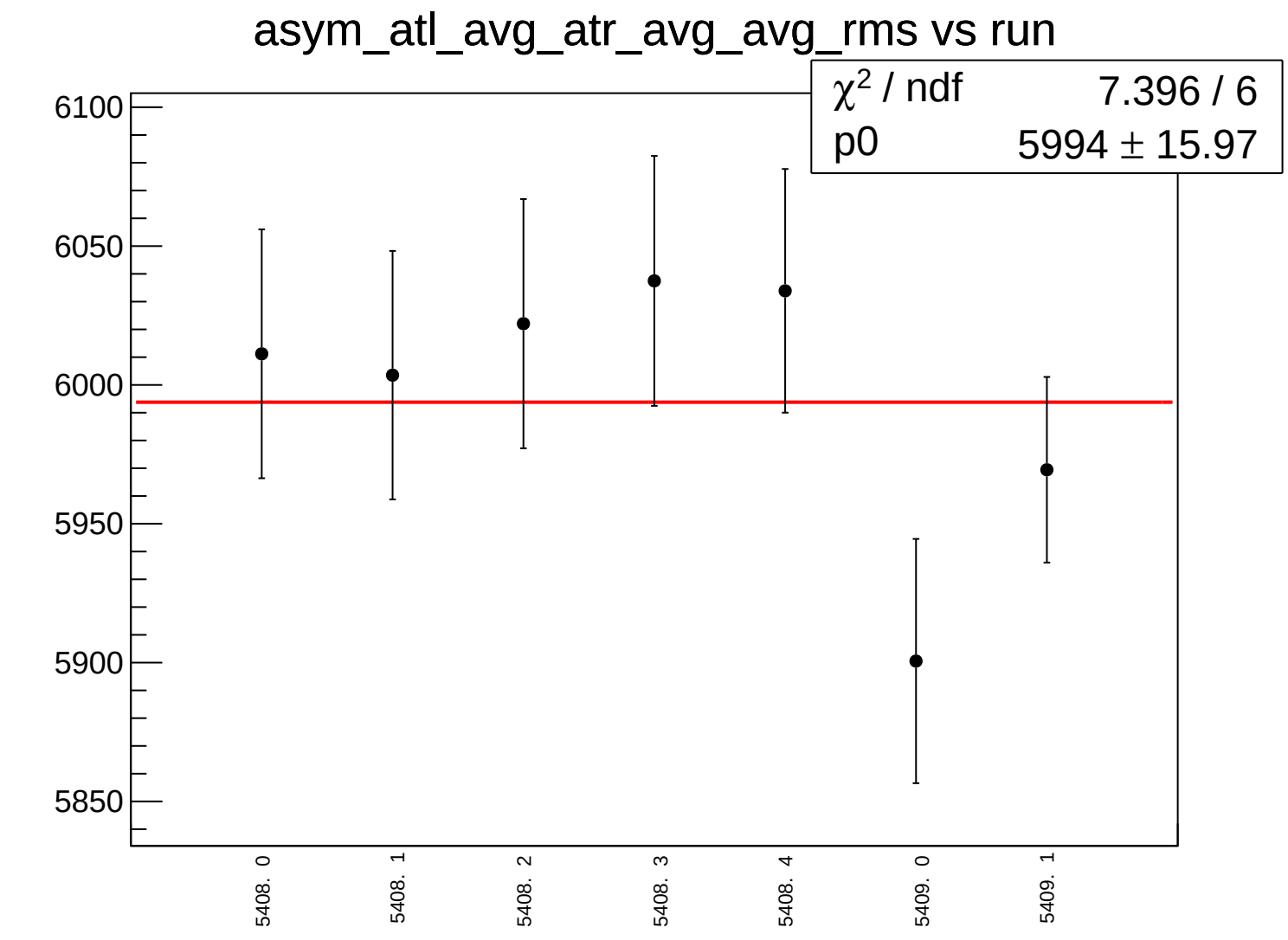

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 4.178 / 6
p0 −1.167e+04 ± 1.521e+04
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.5
Std Dev 12.92
1
0.5
0
−0.5
−1

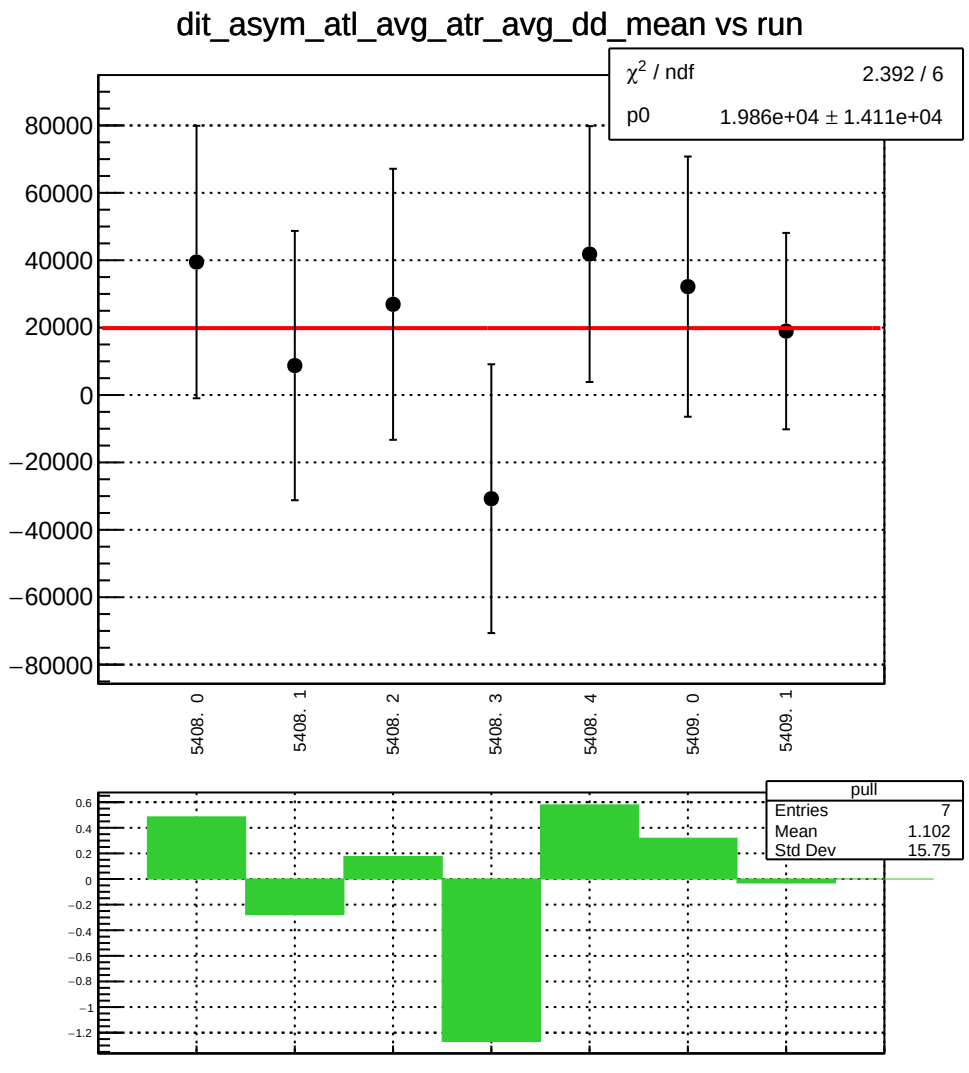

pull1D
Entries 7
Mean 0.02938
Std Dev 0.772
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

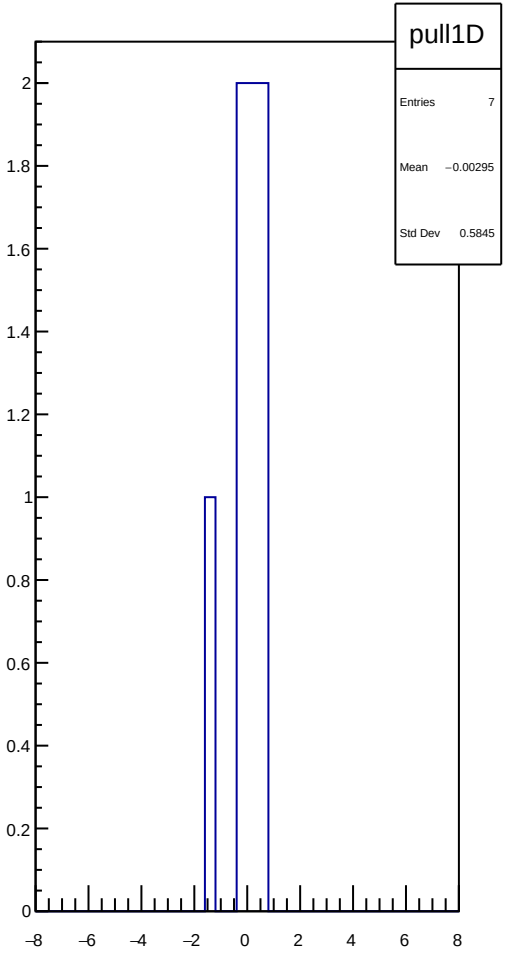

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 13.41 / 6
p0 4036 ± 10.76
4140
4120
4100
4080
4060
4040
4020
4000
3980
3960
3940
3920
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

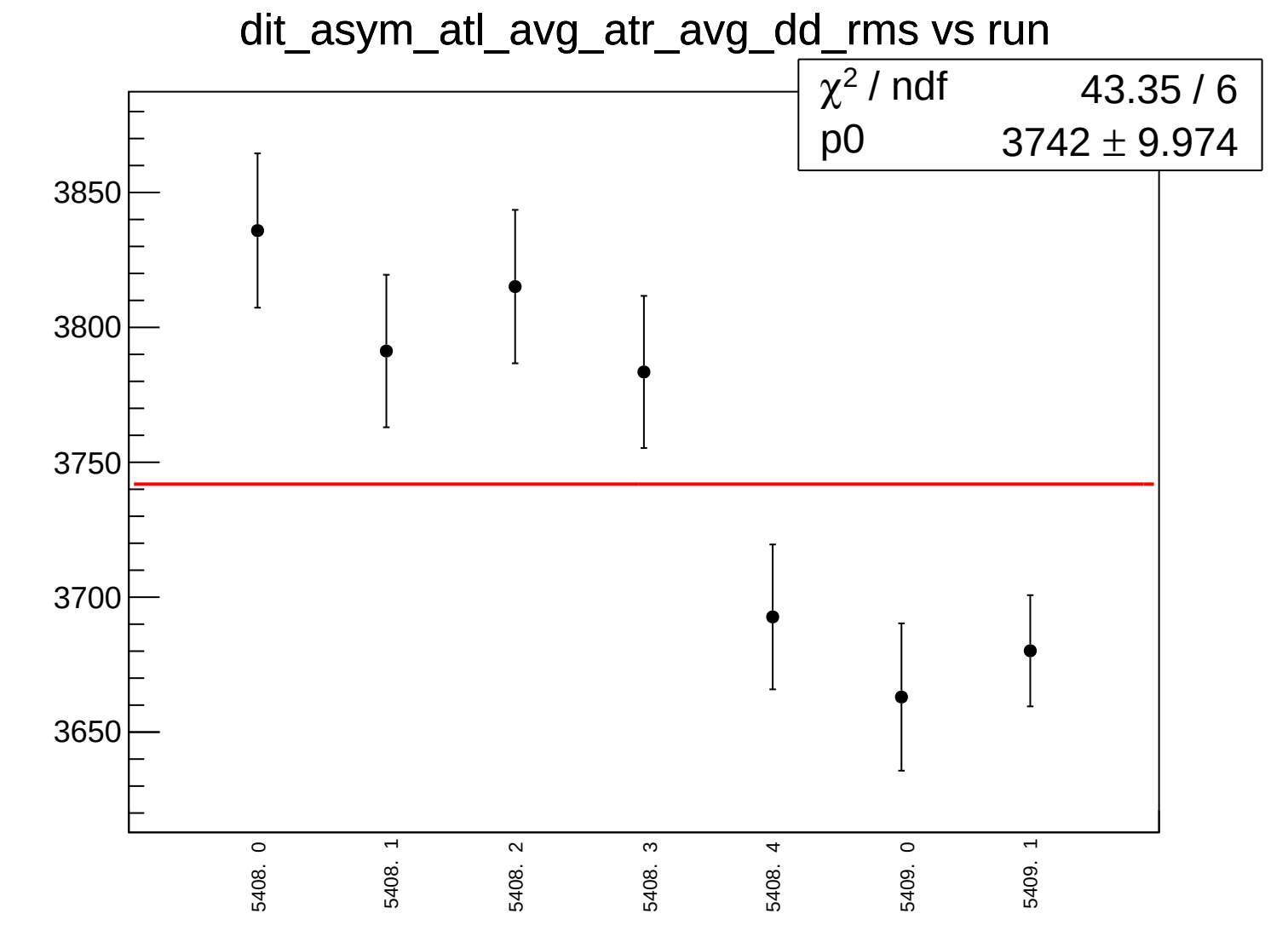

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 6.282 / 6
p0 −6028 ± 2.259e+04
150
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 29.88
Std Dev 29.73
1
0.5
0
−0.5
−1
−1.5

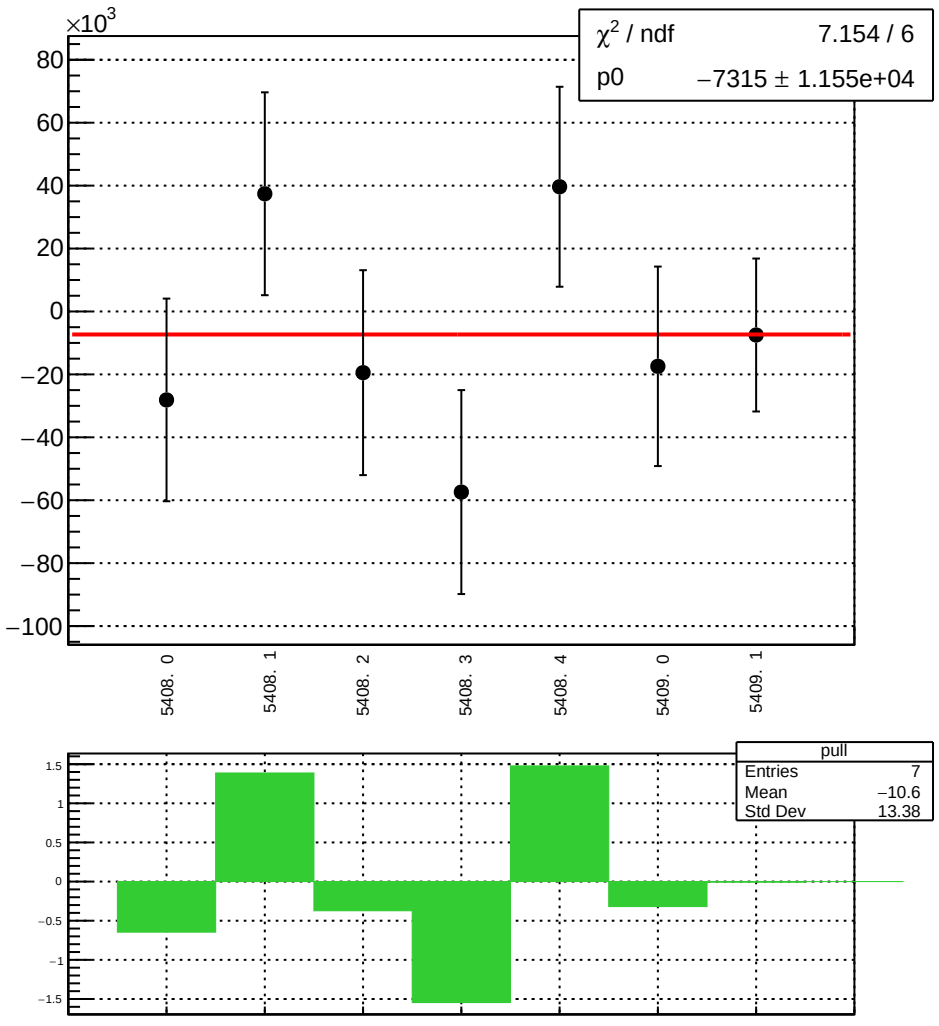

pull1D
Entries 7
Mean 0.01078
Std Dev 0.9472
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

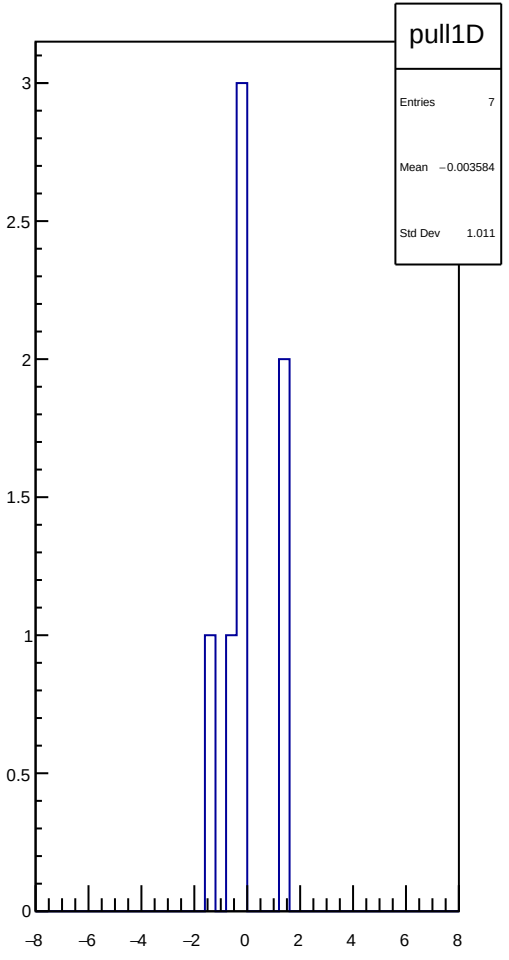

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7.396 / 6
p0 5994 ± 15.97
6100
6050
6000
5950
5900
5850
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

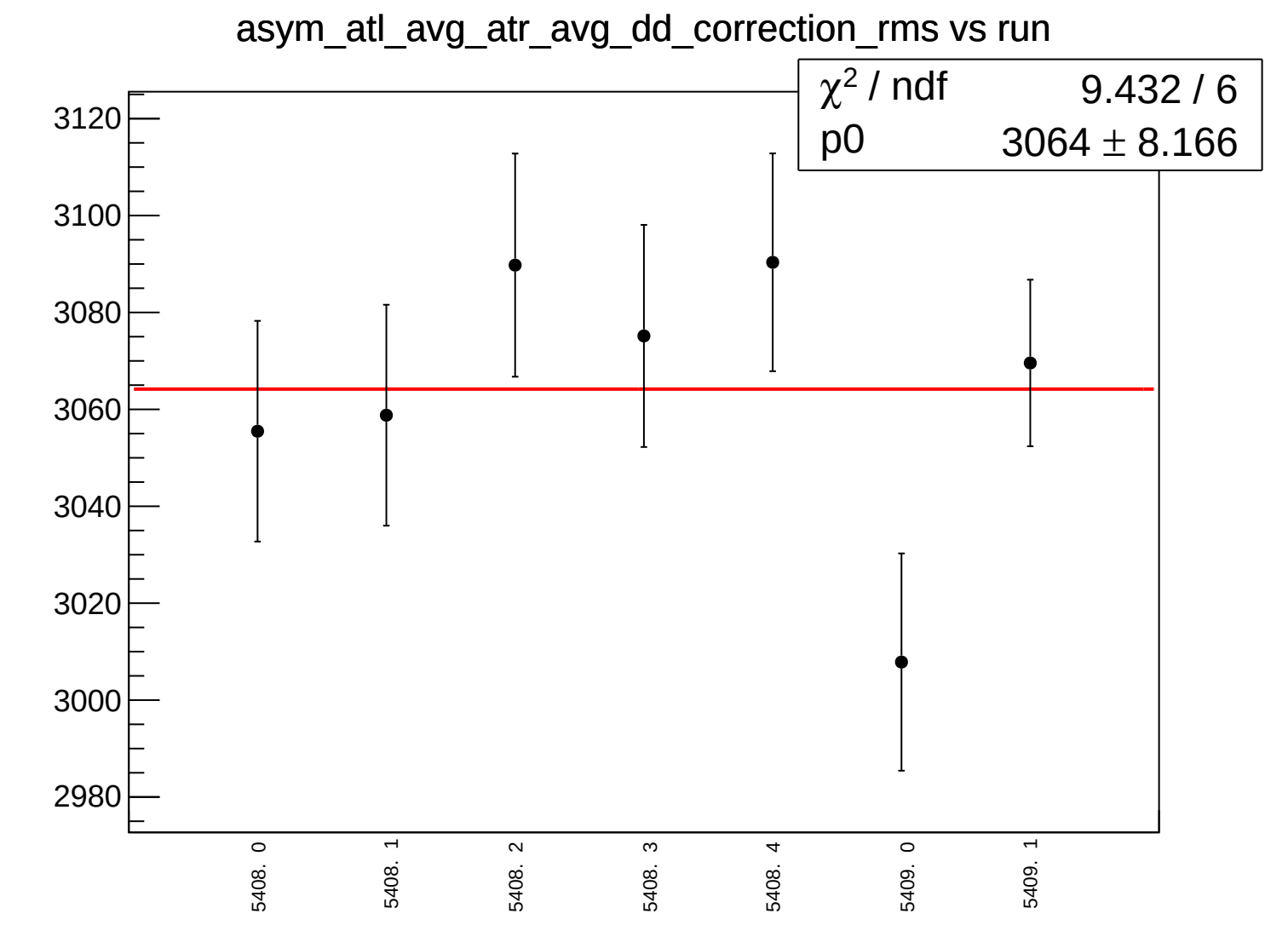

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 2.392 / 6
p0 1.986e+04 ± 1.411e+04
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 1.102
Std Dev 15.75
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

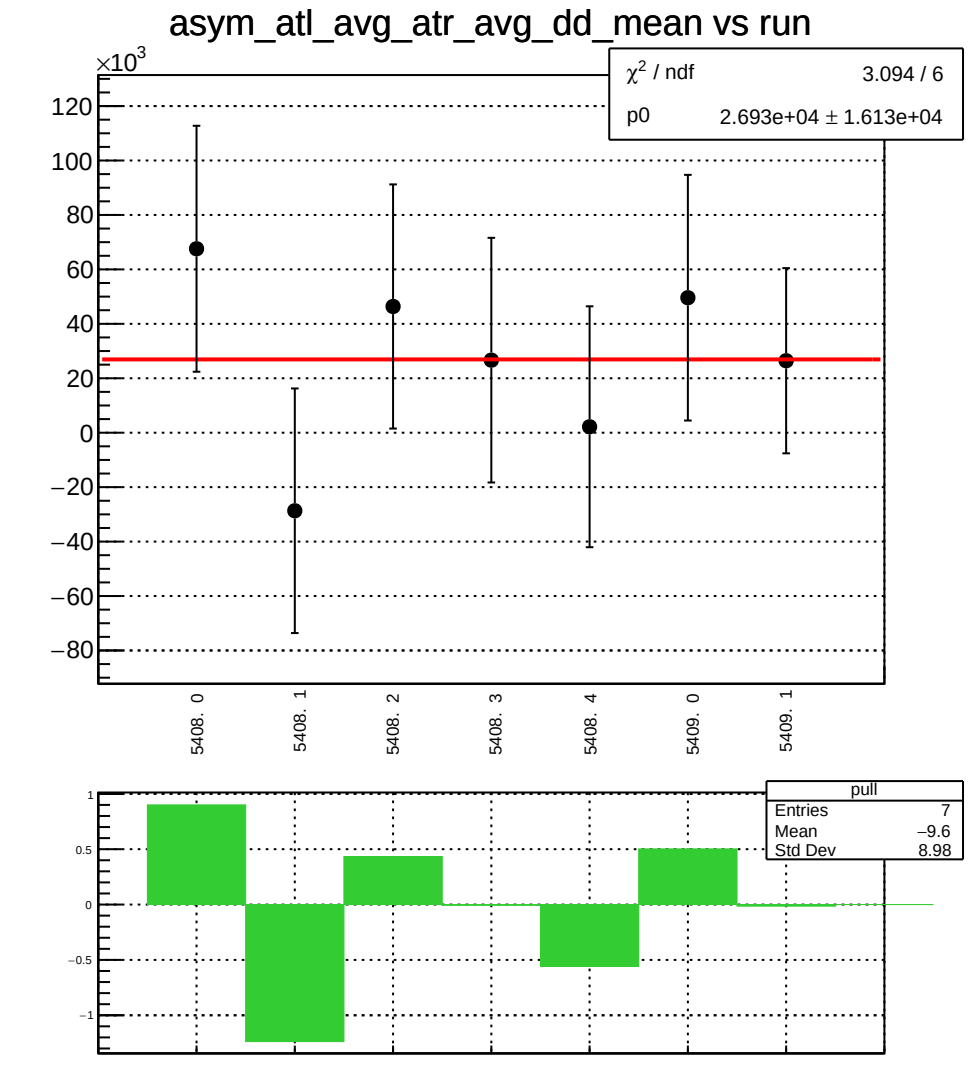

pull1D
Entries 7
Mean −0.00295
Std Dev 0.5845
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

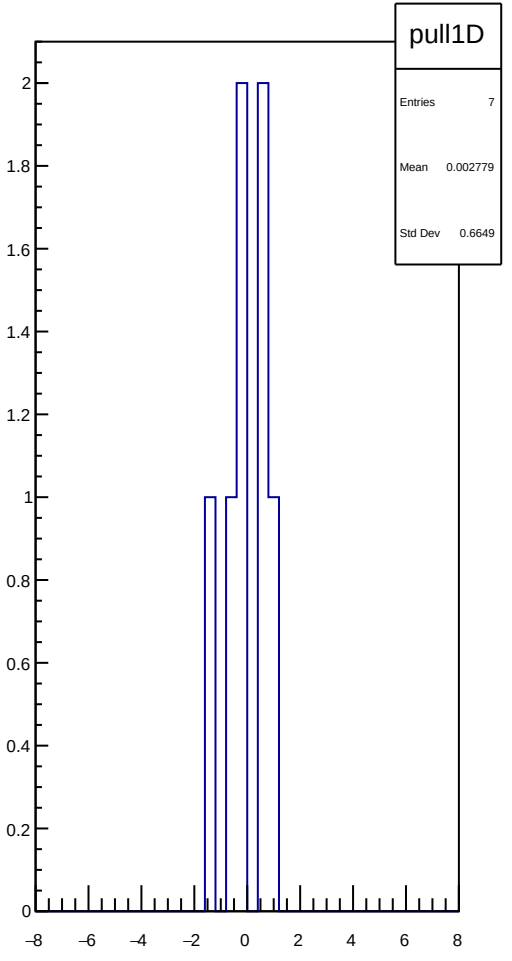

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 43.35 / 6
p0 3742 ± 9.974
3850
3800
3750
3700
3650
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

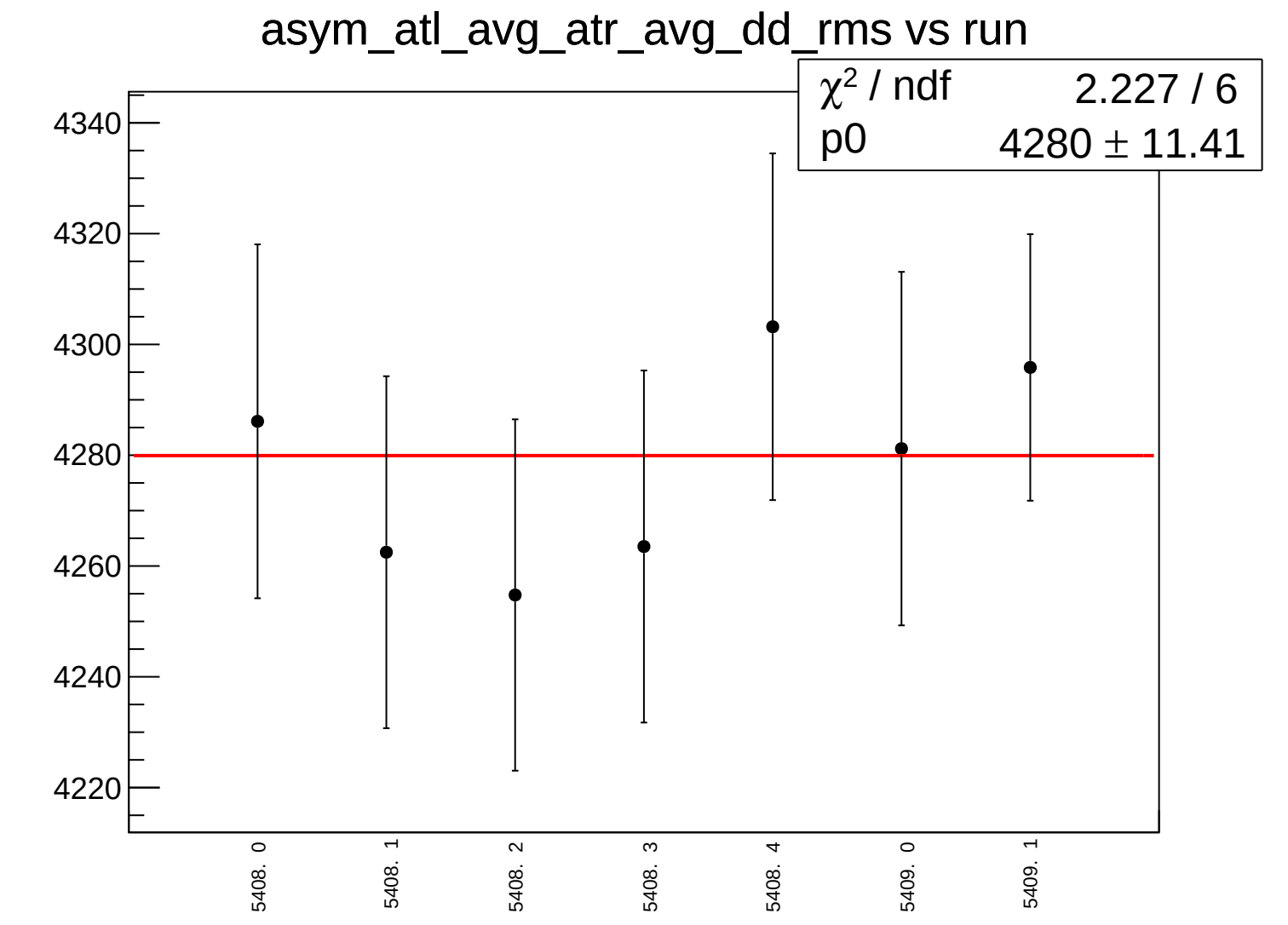

asym_atl_avg_atr_avg_dd_correction_mean vs run
×10^3
χ² / ndf 7.154 / 6
p0 −7315 ± 1.155e+04
80
60
40
20
0
−20
−40
−60
−80
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.6
Std Dev 13.38
1.5
1
0.5
0
−0.5
−1
−1.5

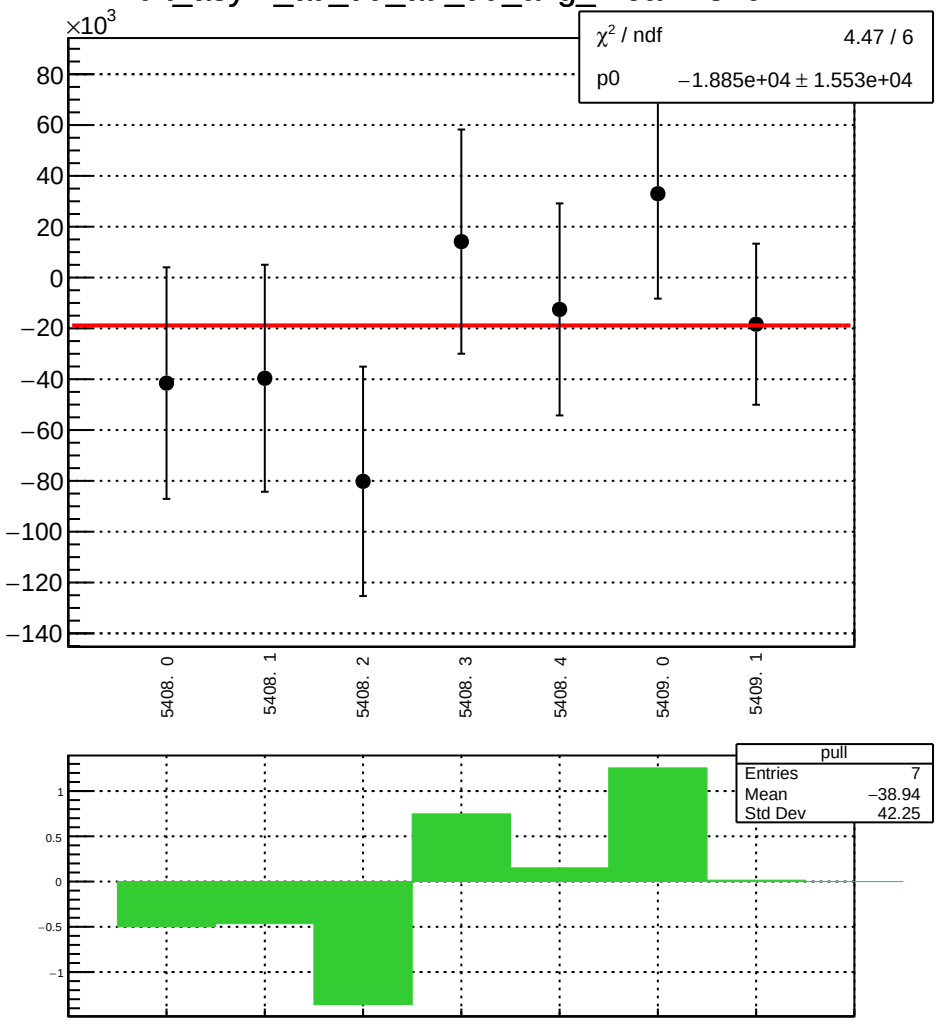

pull1D
Entries 7
Mean −0.003584
Std Dev 1.011
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

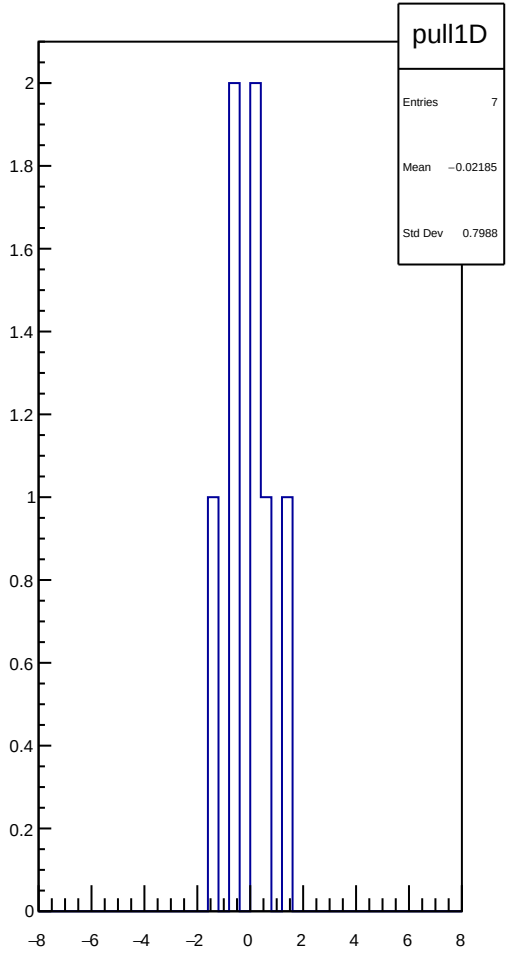

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 9.432 / 6
p0 3064 ± 8.166
3120
3100
3080
3060
3040
3020
3000
2980
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

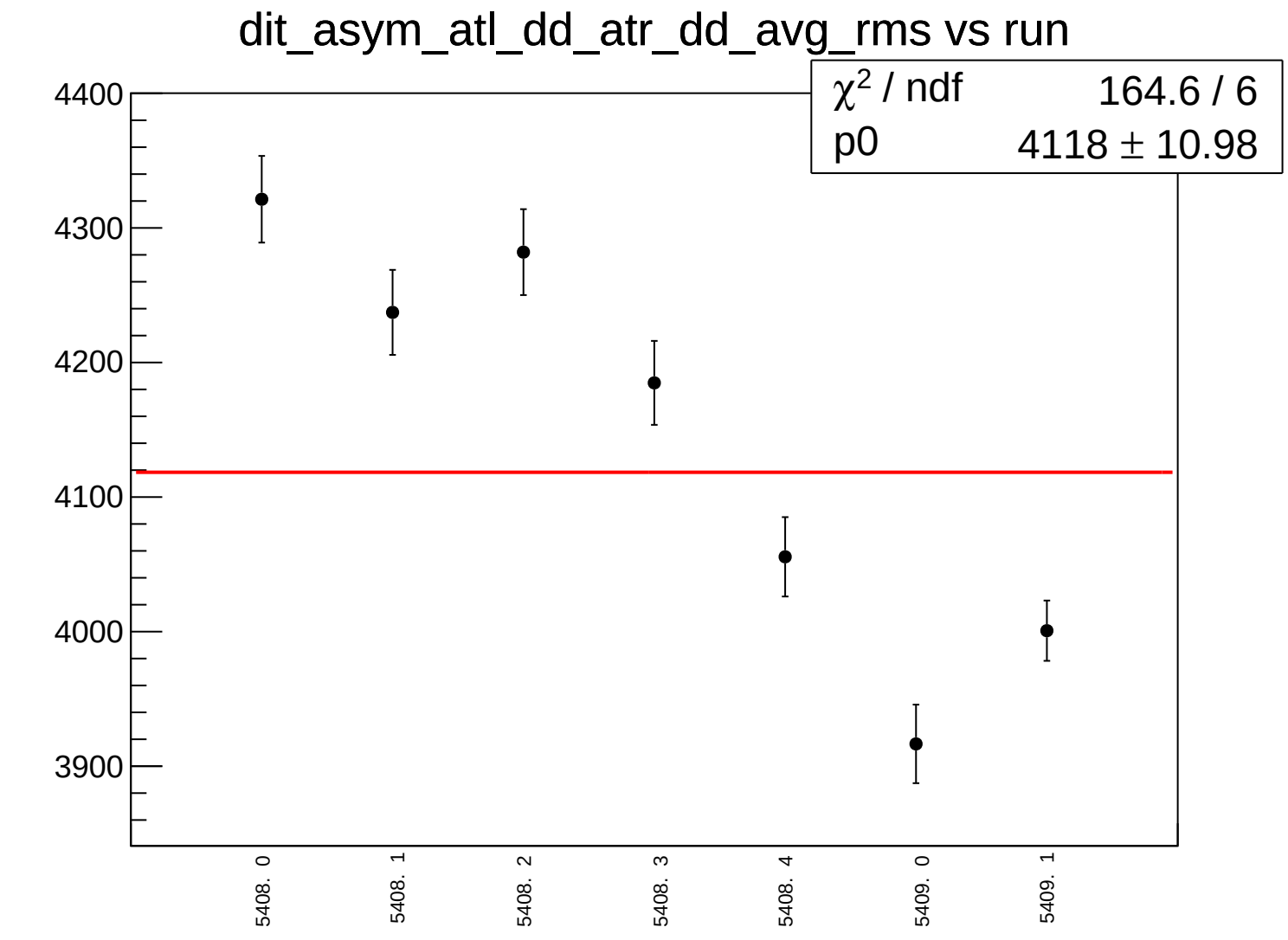

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 3.094 / 6
p0 2.693e+04 ± 1.613e+04
120
100
80
60
40
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.6
Std Dev 8.98
1
0.5
0
−0.5
−1

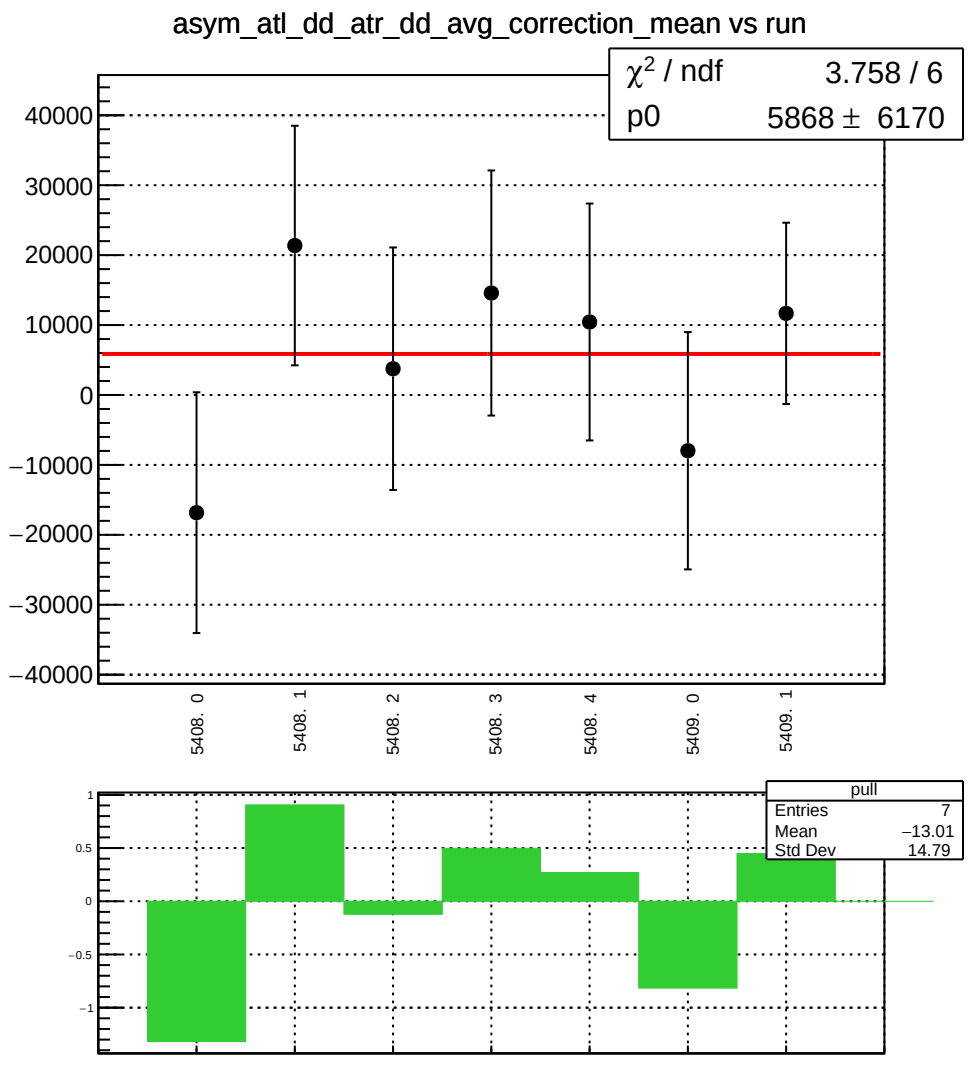

pull1D
Entries 7
Mean 0.002779
Std Dev 0.6649
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

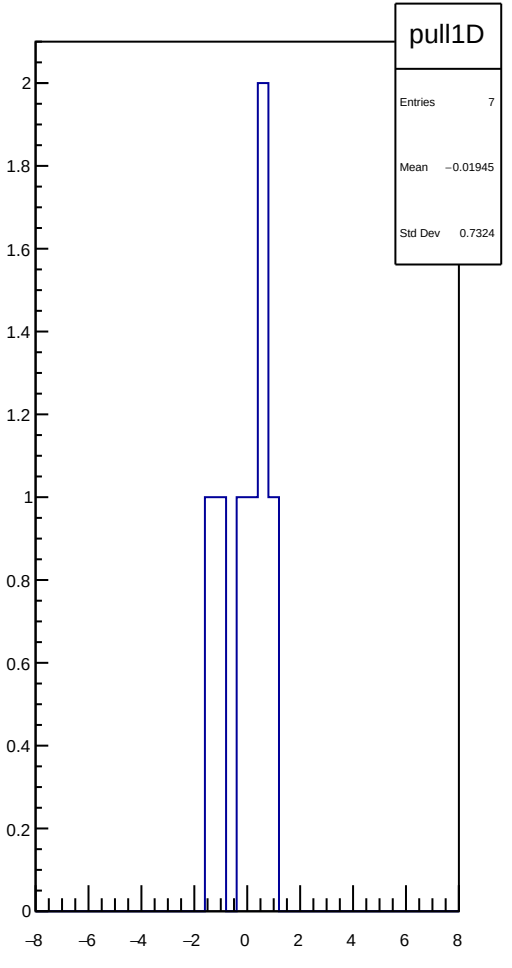

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.227 / 6
p0 4280 ± 11.41
4340
4320
4300
4280
4260
4240
4220
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

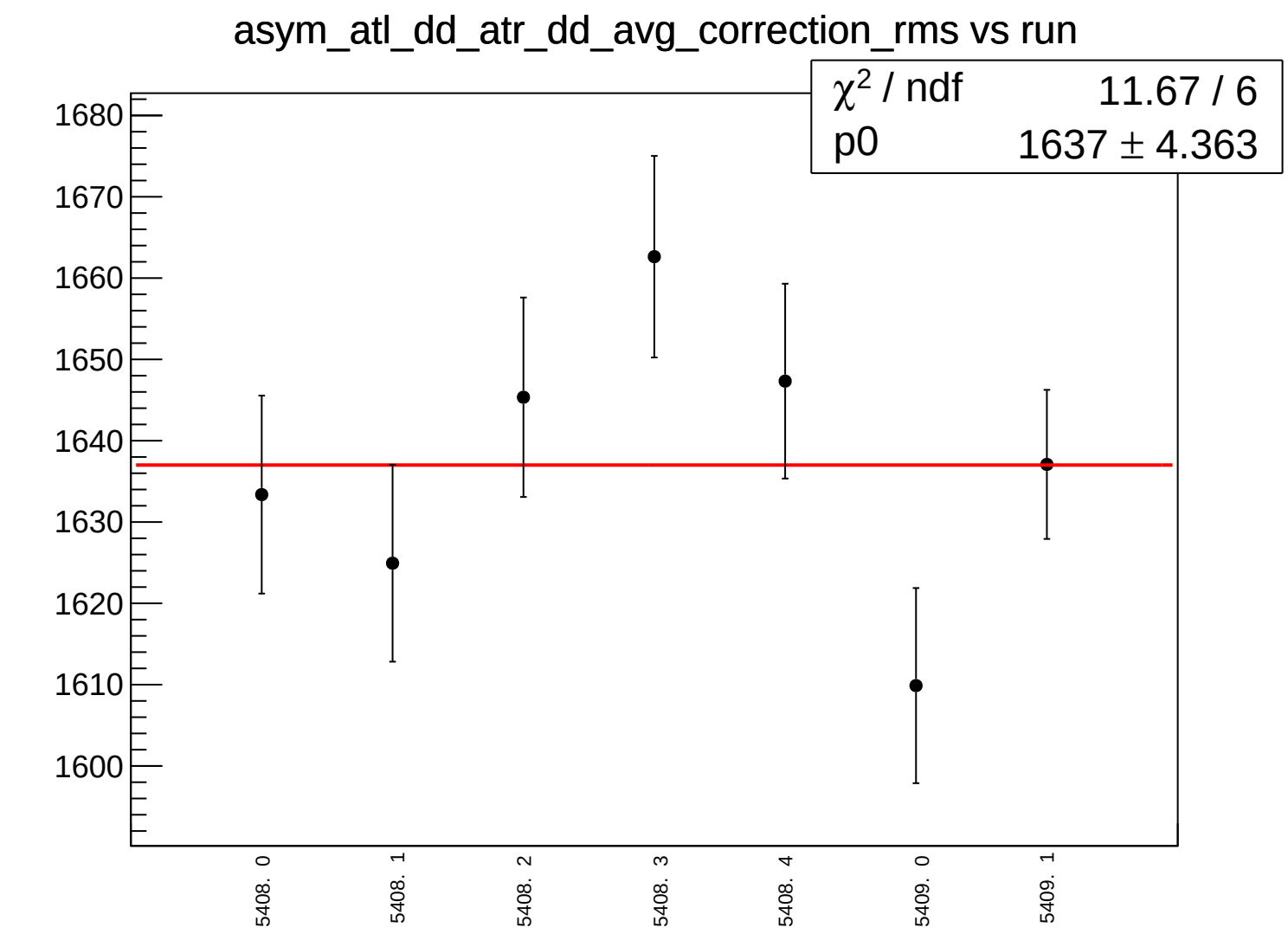

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 4.47 / 6
p0 −1.885e+04 ± 1.553e+04
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −38.94
Std Dev 42.25
1
0.5
0
−0.5
−1

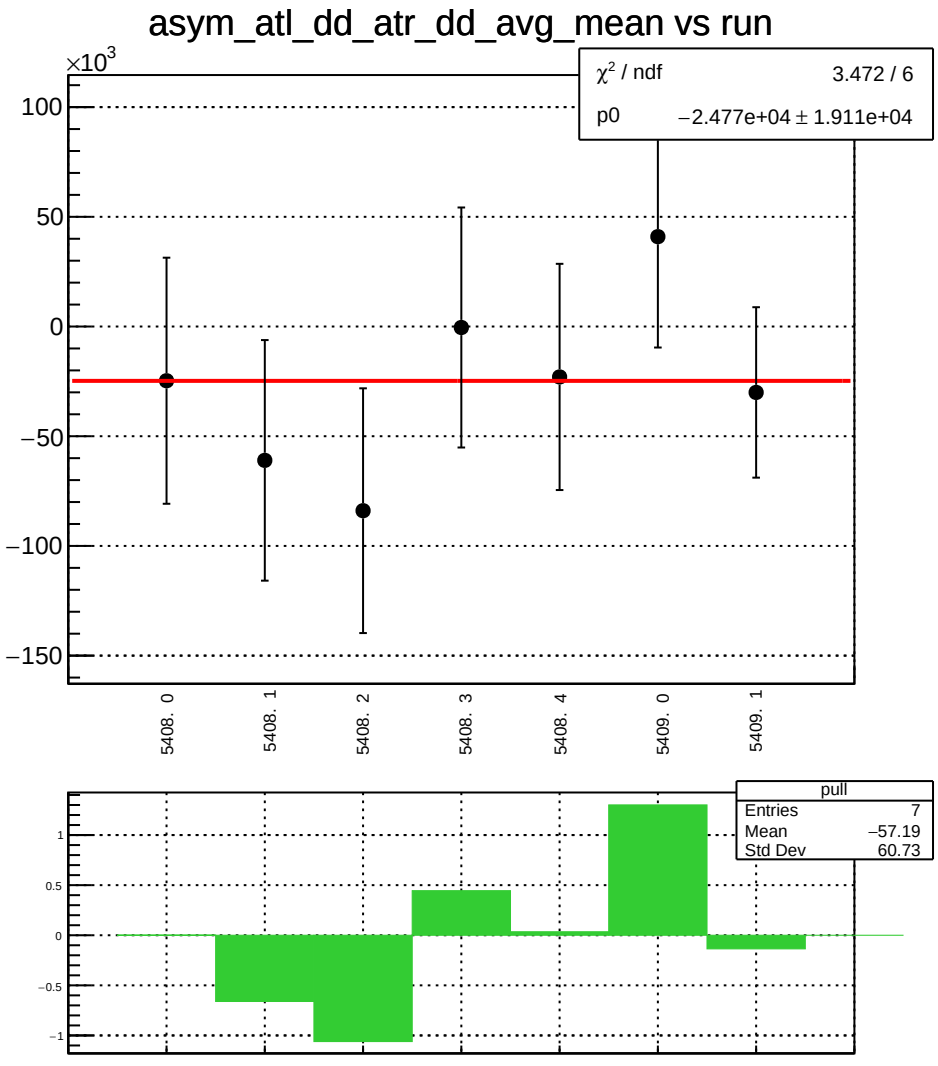

pull1D
Entries 7
Mean −0.02185
Std Dev 0.7988
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

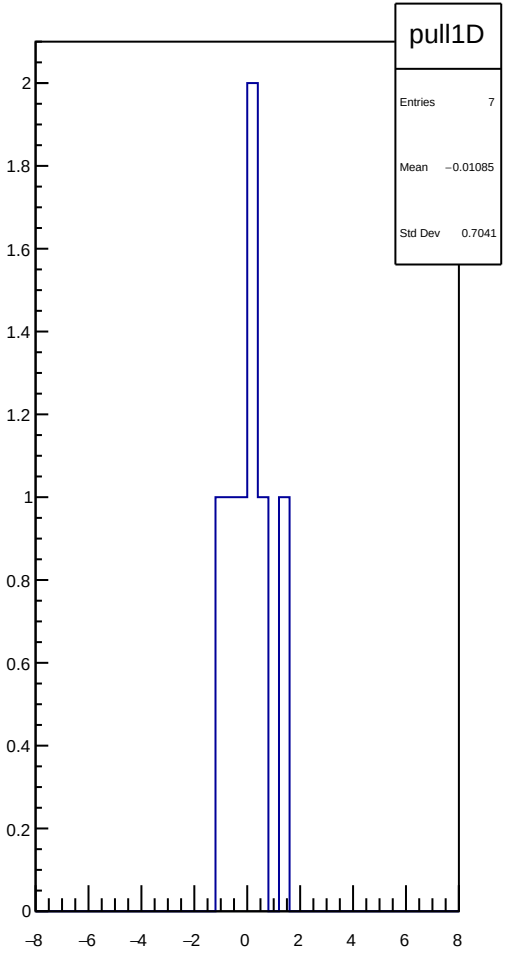

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 164.6 / 6
p0 4118 ± 10.98
4400
4300
4200
4100
4000
3900
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

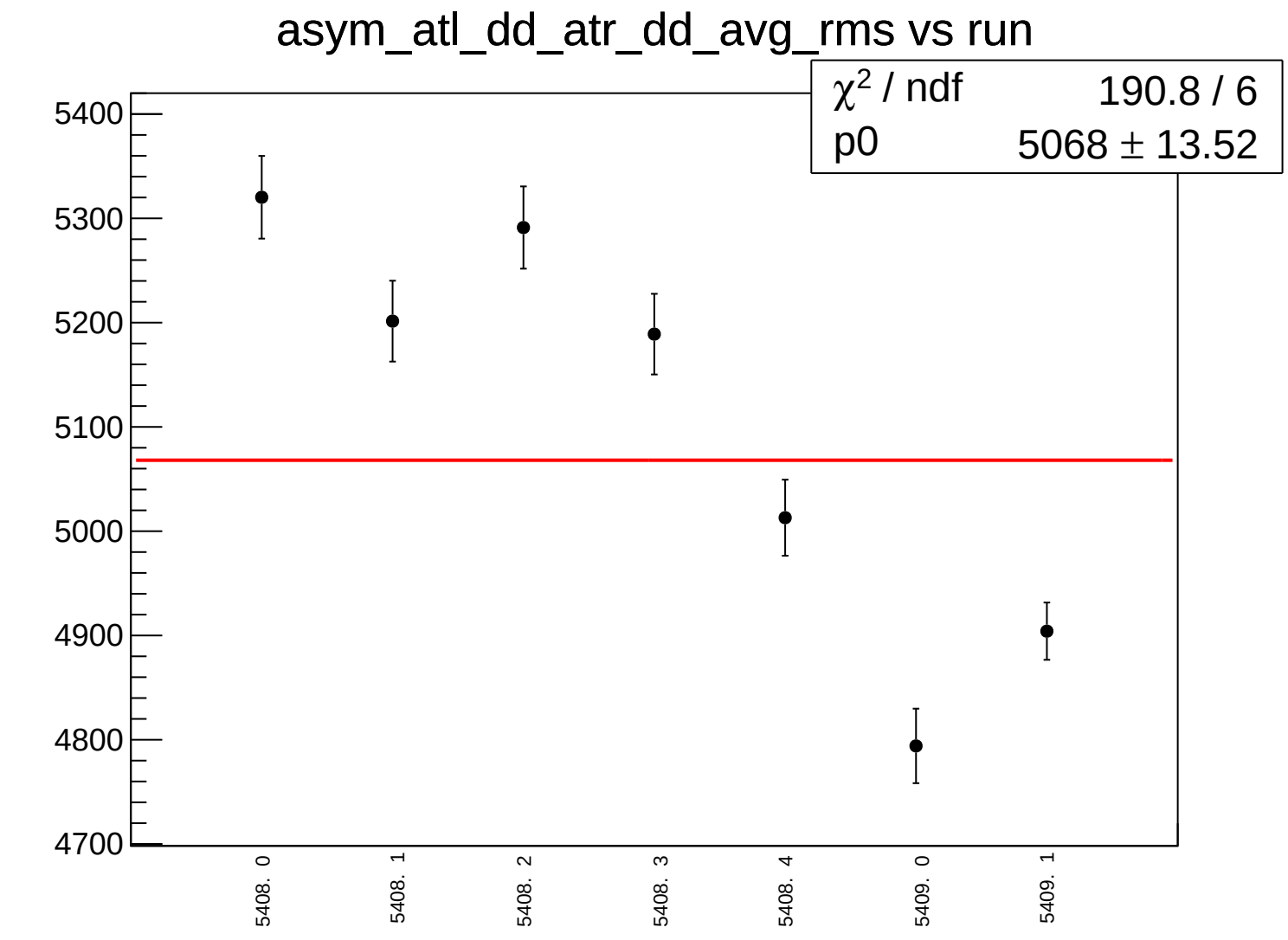

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 3.758 / 6
p0 5868 ± 6170
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −13.01
Std Dev 14.79
1
0.5
0
−0.5
−1

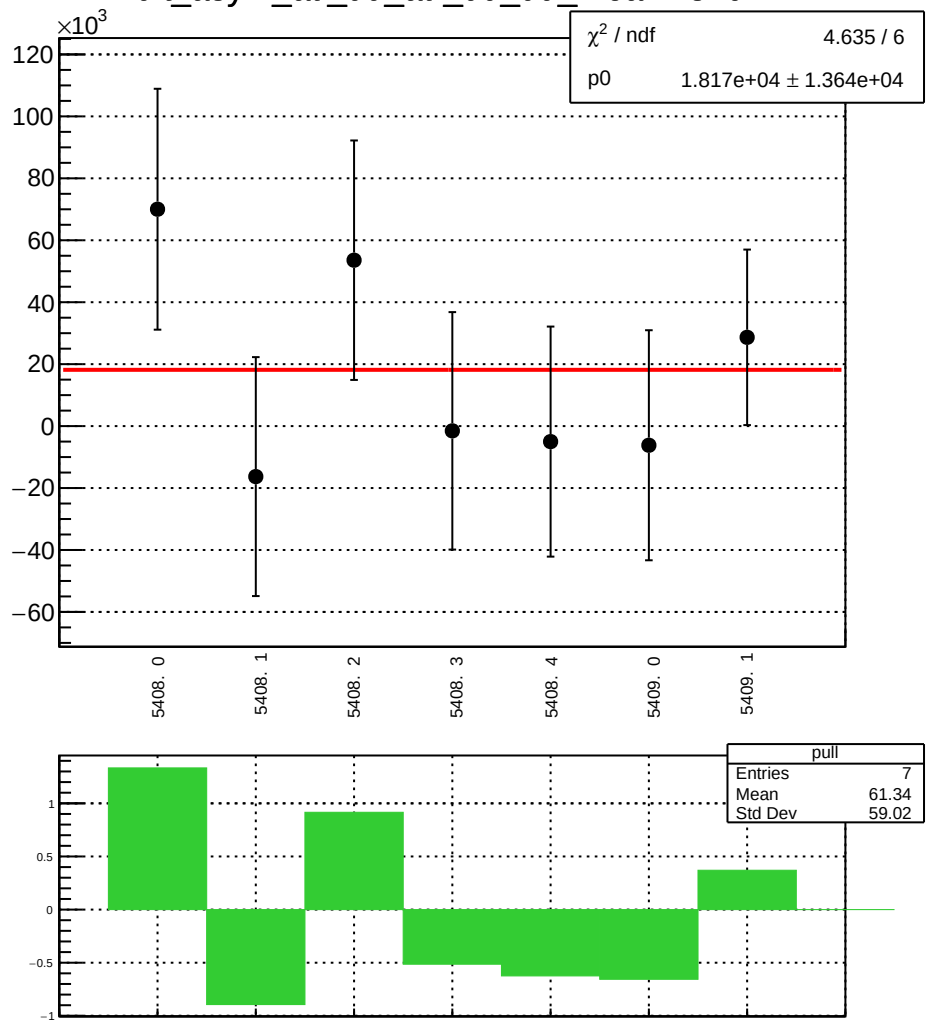

pull1D
Entries 7
Mean −0.01945
Std Dev 0.7324
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

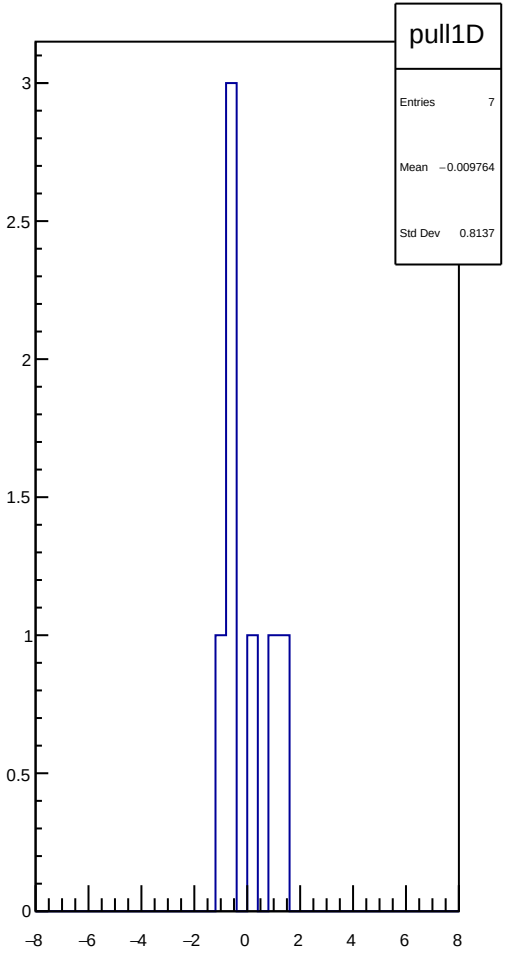

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 11.67 / 6
p0 1637 ± 4.363
1680
1670
1660
1650
1640
1630
1620
1610
1600
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

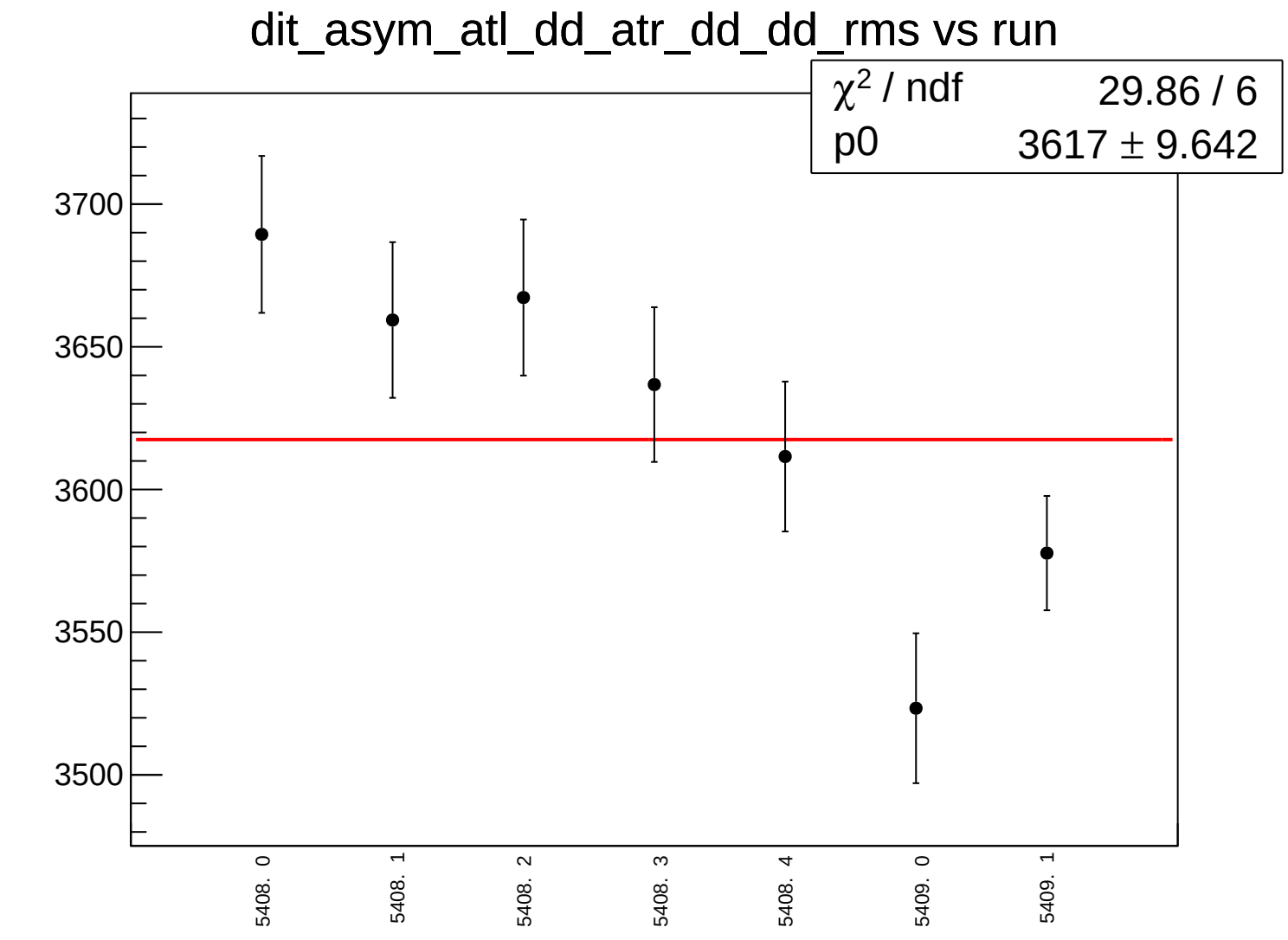

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 3.472 / 6
p0 −2.477e+04 ± 1.911e+04
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −57.19
Std Dev 60.73
1
0.5
0
−0.5
−1

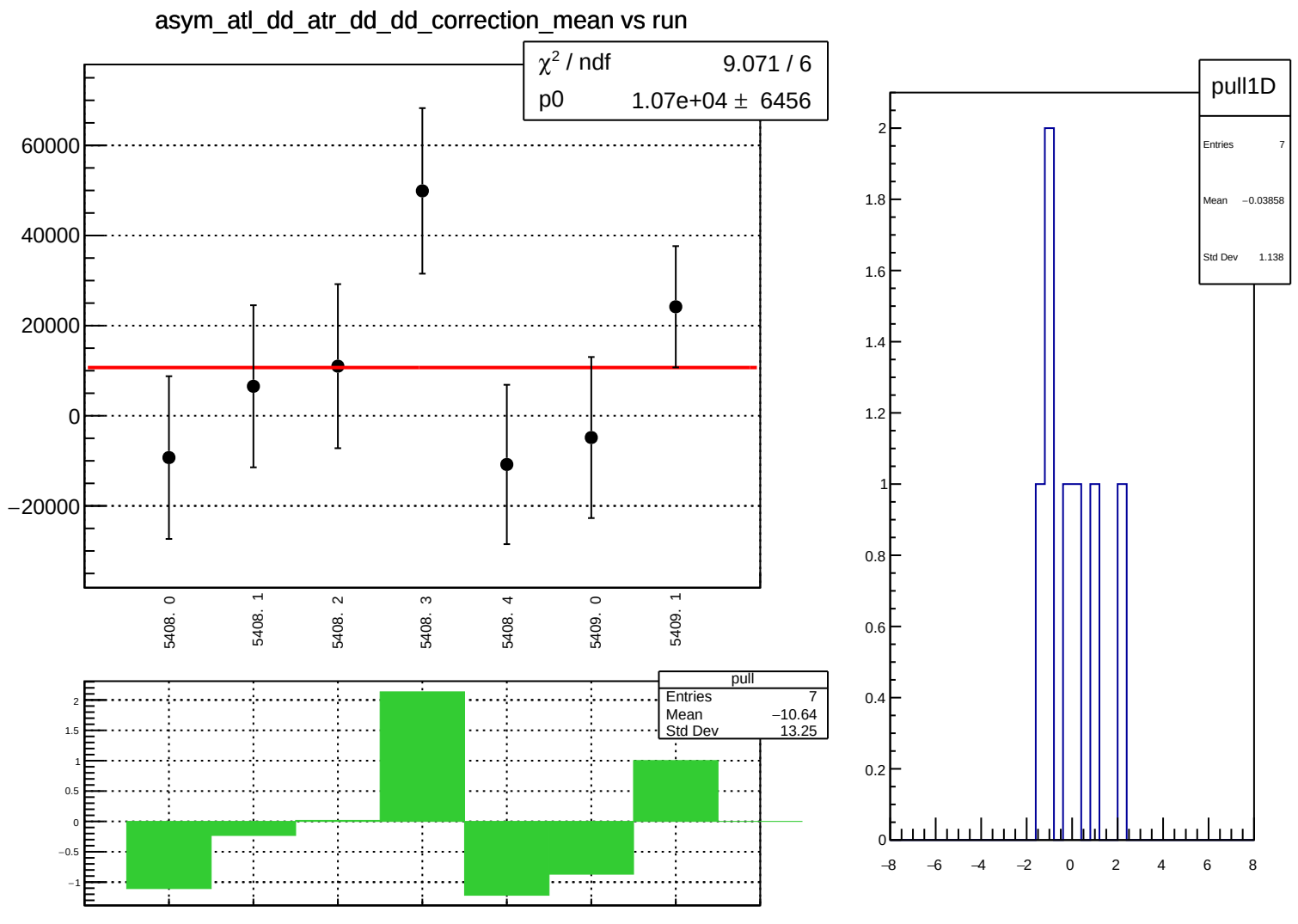

pull1D
Entries 7
Mean −0.01085
Std Dev 0.7041
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

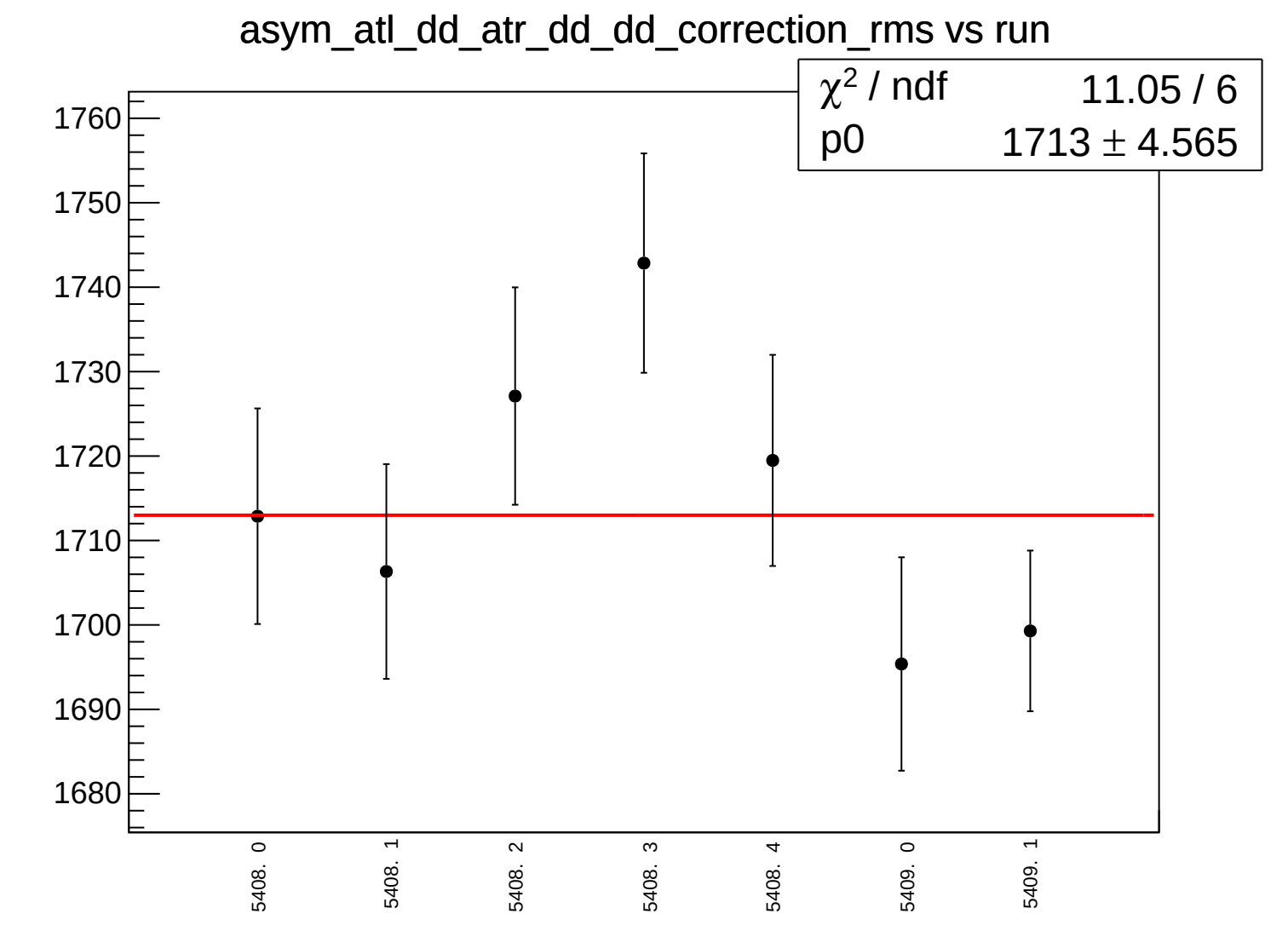

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 190.8 / 6
p0 5068 ± 13.52
5400
5300
5200
5100
5000
4900
4800
4700
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

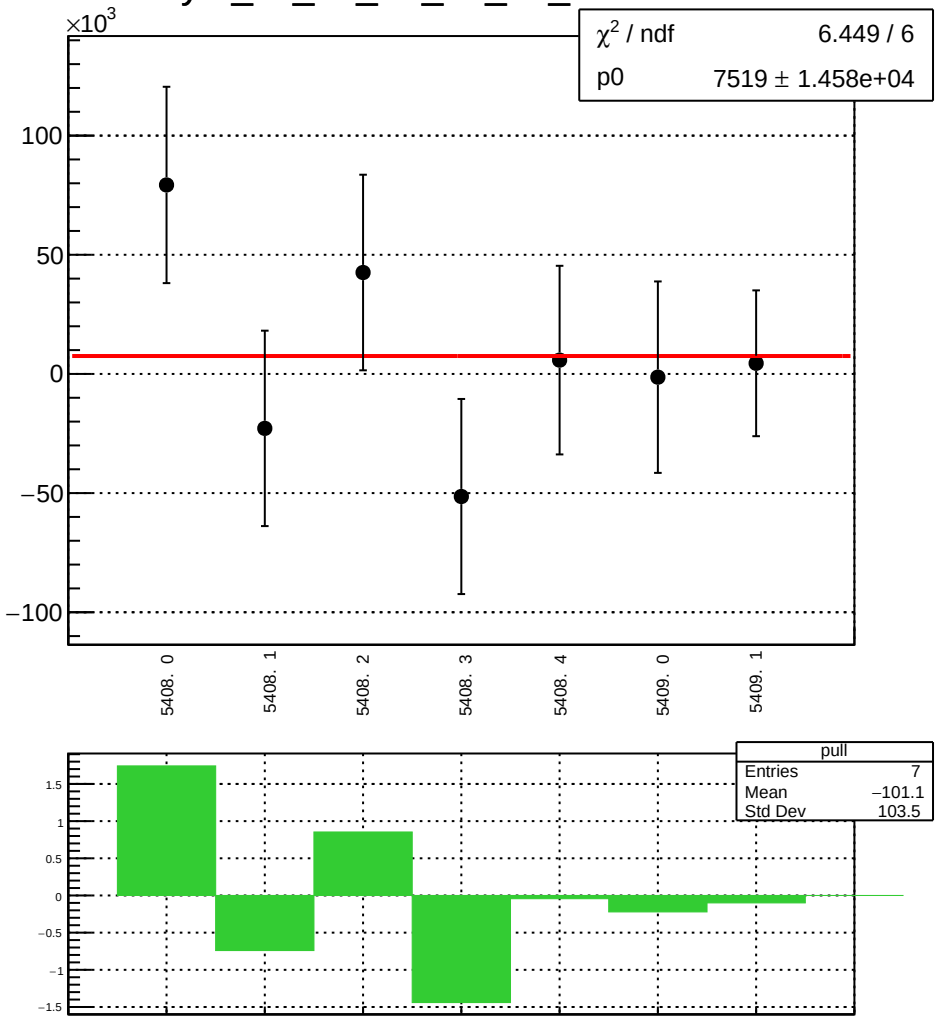

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 4.635 / 6
p0 1.817e+04 ± 1.364e+04
120
100
80
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 61.34
Std Dev 59.02
1
0.5
0
−0.5
−1

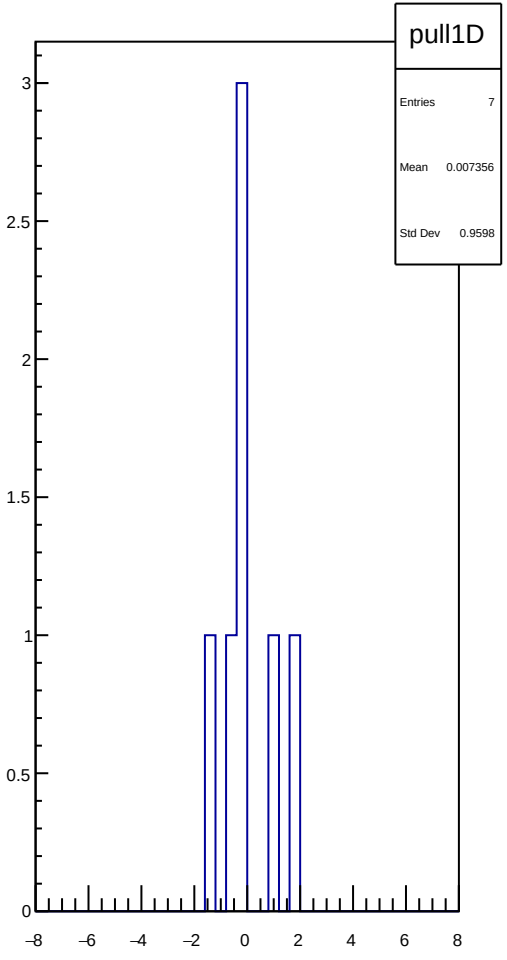

pull1D
Entries 7
Mean −0.009764
Std Dev 0.8137
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

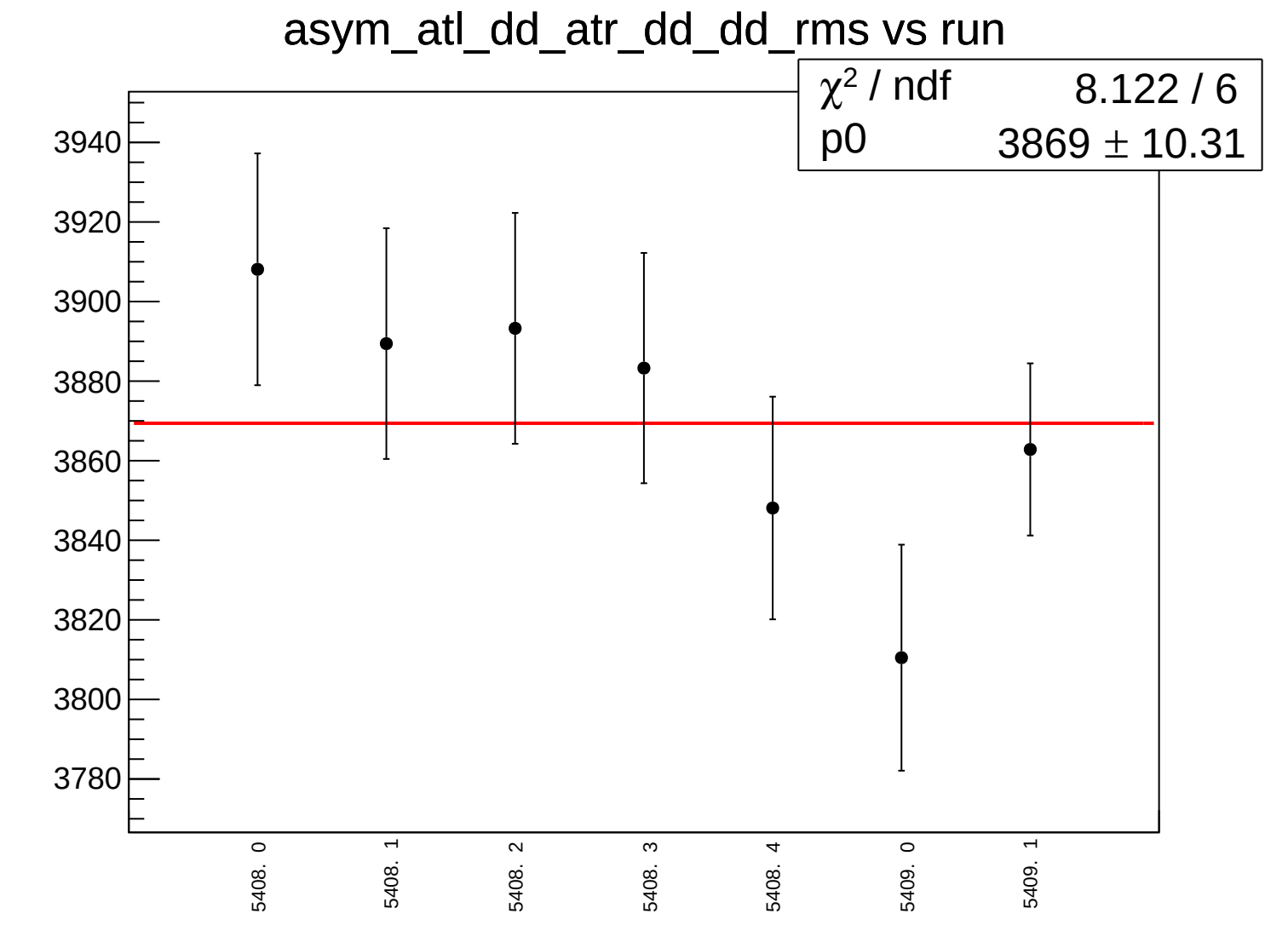

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 29.86 / 6
p0 3617 ± 9.642
3700
3650
3600
3550
3500
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

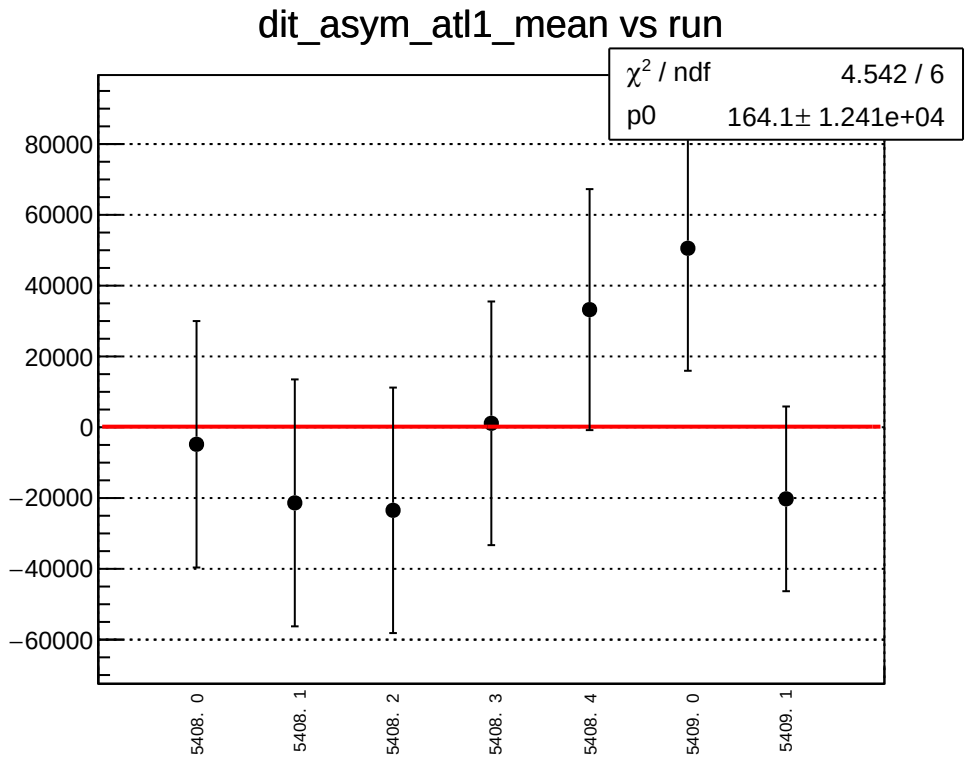

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 9.071 / 6
p0 1.07e+04 ± 6456
60000
40000
20000
0
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.64
Std Dev 13.25
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean −0.03858
Std Dev 1.138
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

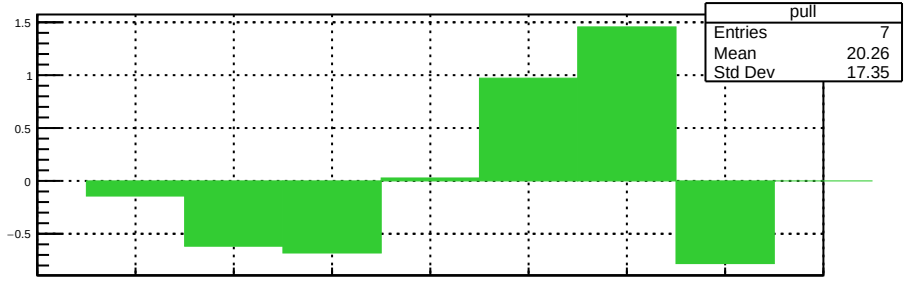

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 11.05 / 6
p0 1713 ± 4.565
1760
1750
1740
1730
1720
1710
1700
1690
1680
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

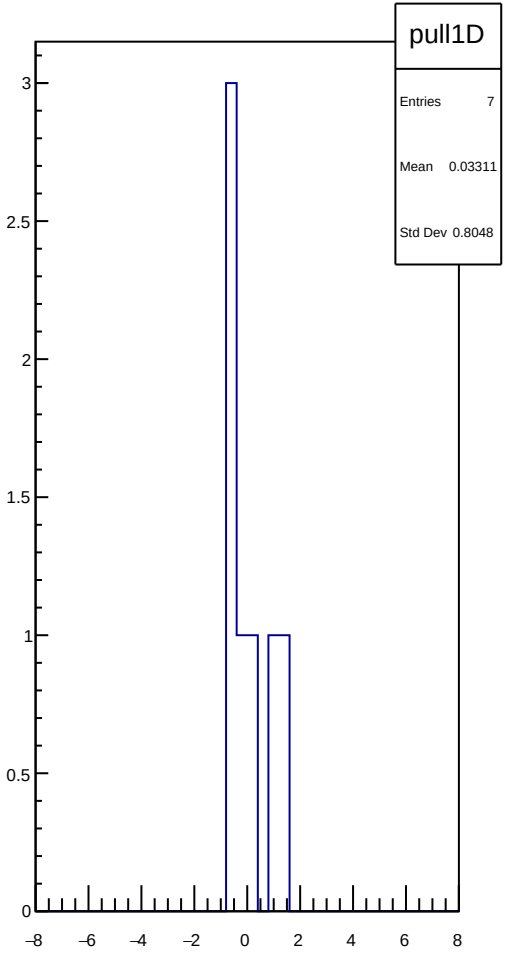

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 6.449 / 6
p0 7519 ± 1.458e+04
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −101.1
Std Dev 103.5
1.5
1
0.5
0
−0.5
−1
−1.5

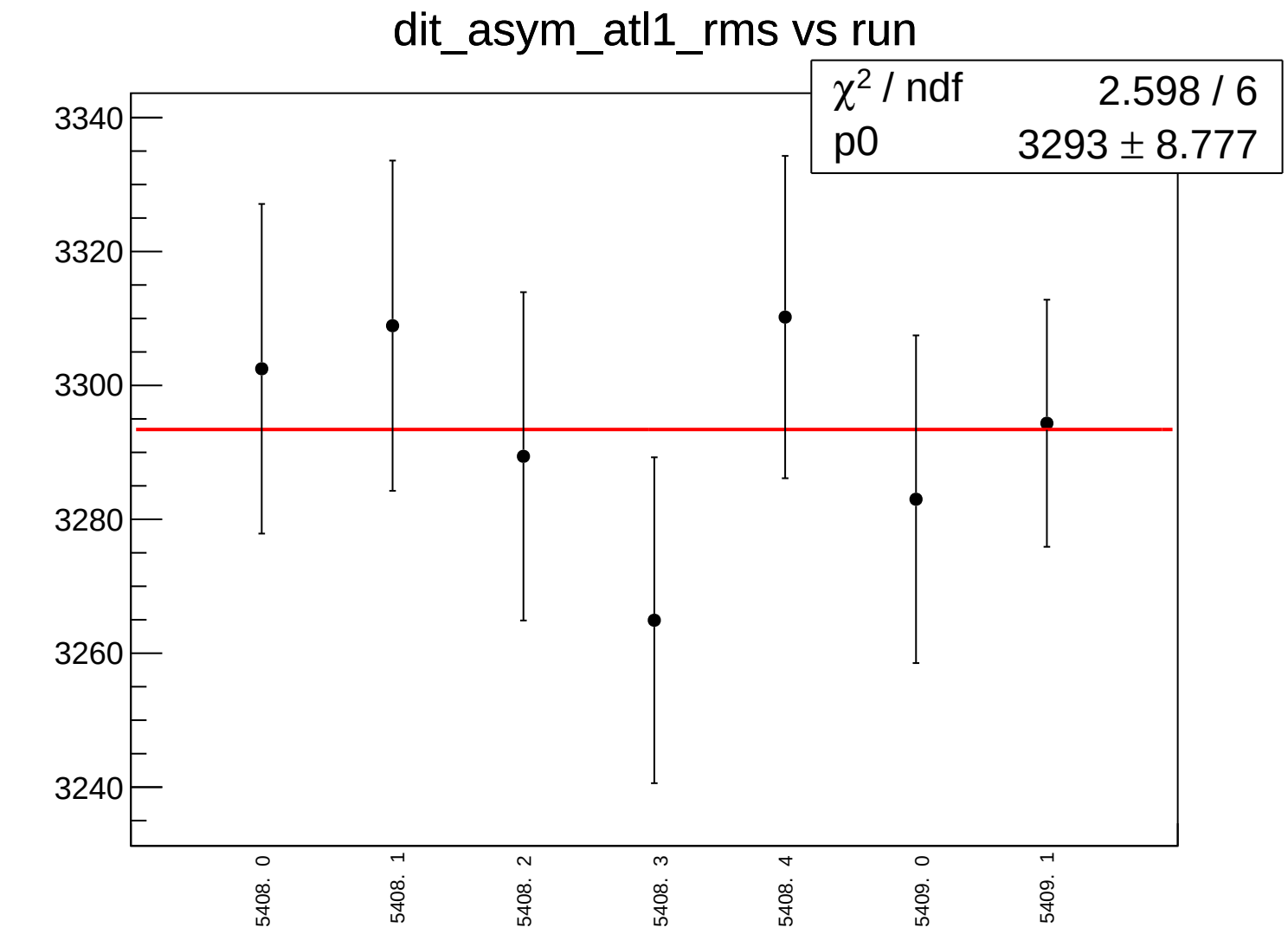

pull1D
Entries 7
Mean 0.007356
Std Dev 0.9598
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

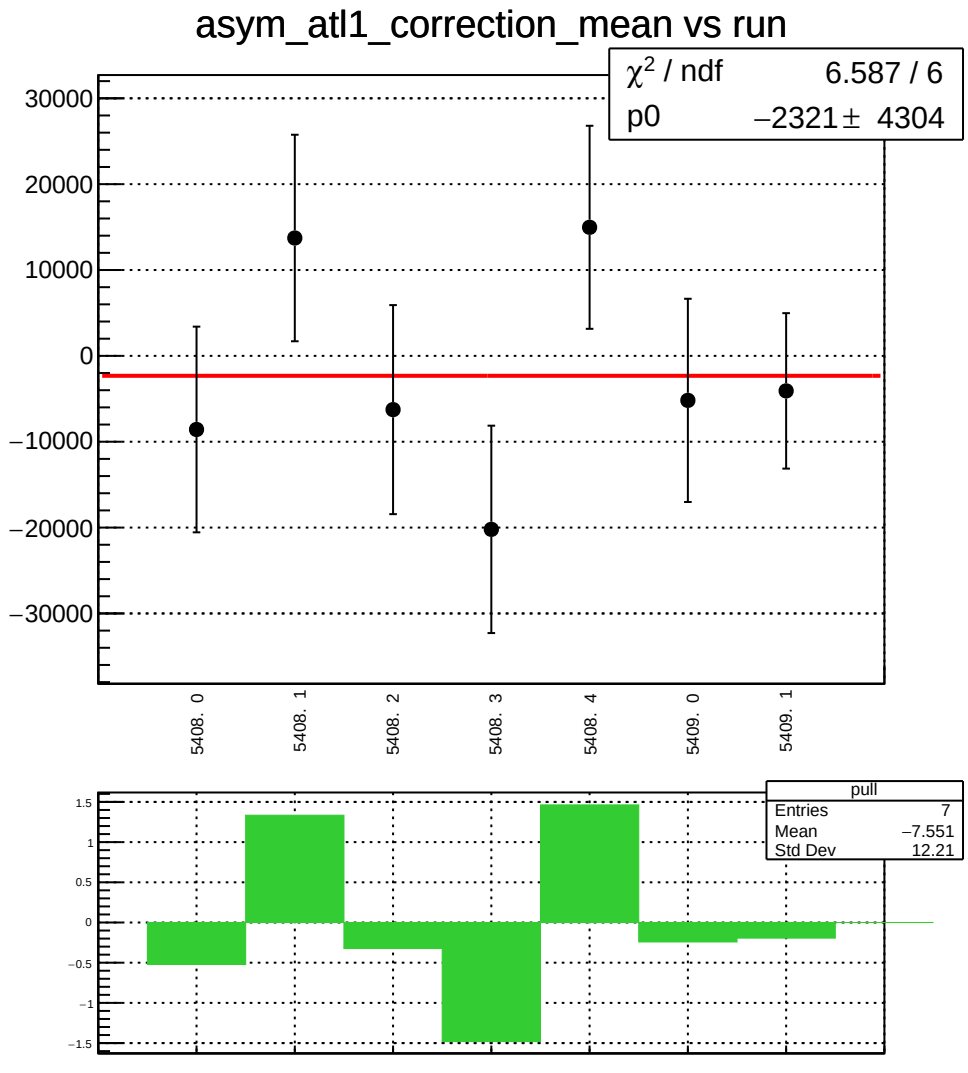

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 8.122 / 6
p0 3869 ± 10.31
3940
3920
3900
3880
3860
3840
3820
3800
3780
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

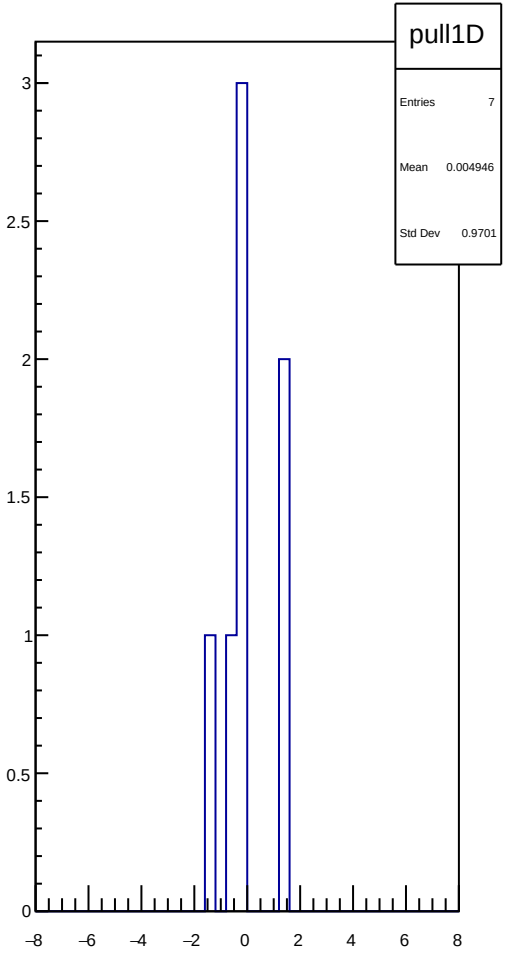

dit_asym_atl1_mean vs run
χ² / ndf 4.542 / 6
p0 164.1± 1.241e+04
80000
60000
40000
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

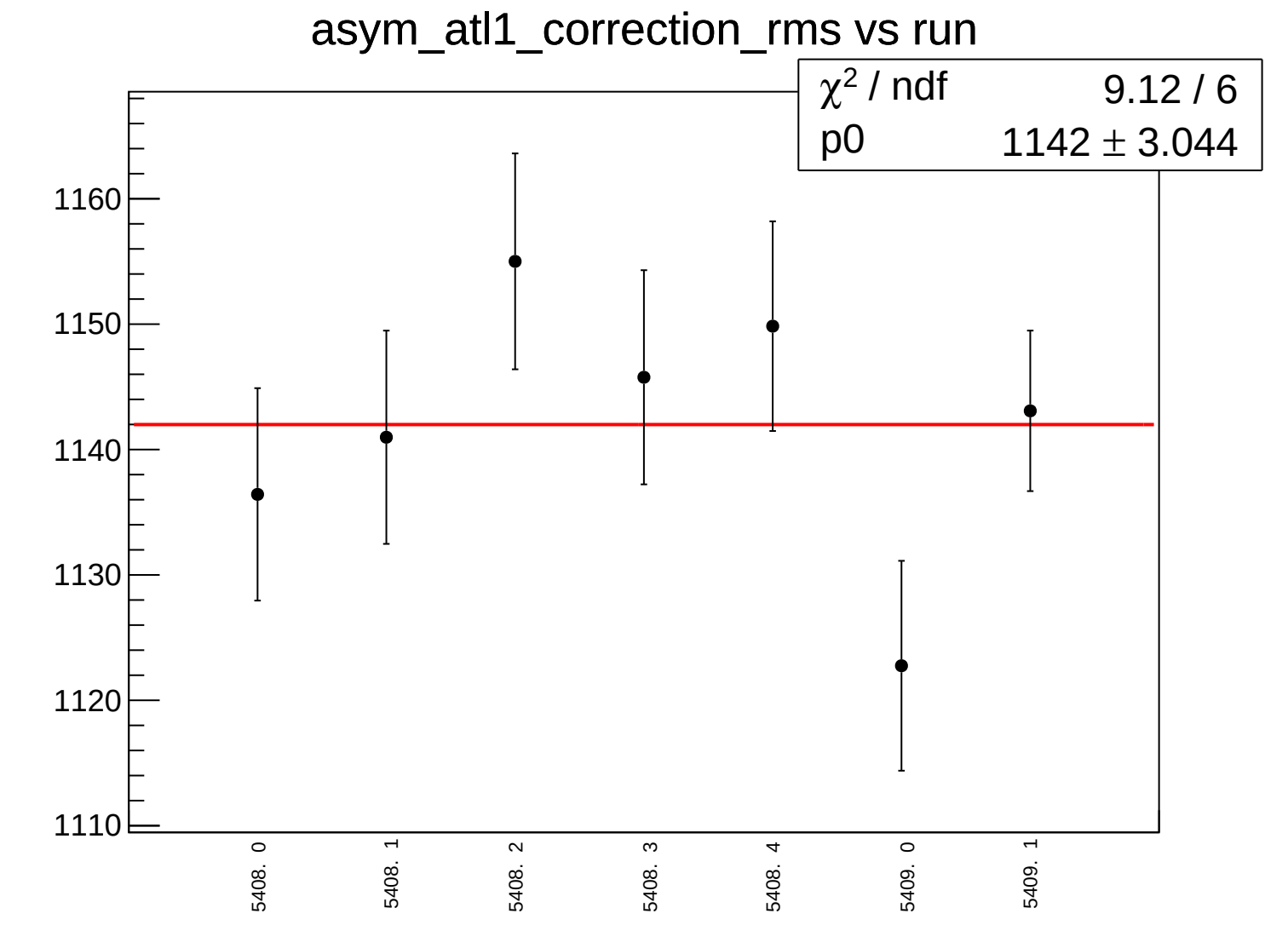

pull
Entries 7
Mean 20.26
Std Dev 17.35
1.5
1
0.5
0
−0.5

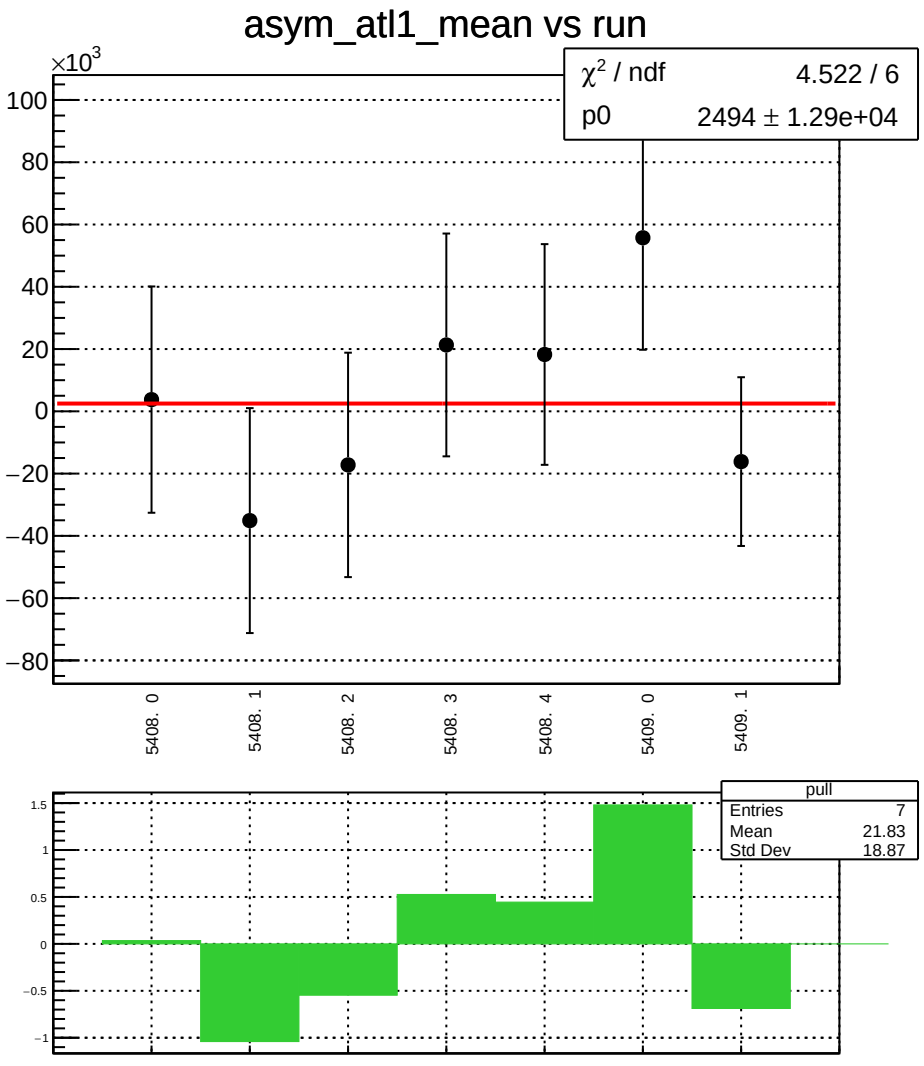

pull1D
Entries 7
Mean 0.03311
Std Dev 0.8048
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

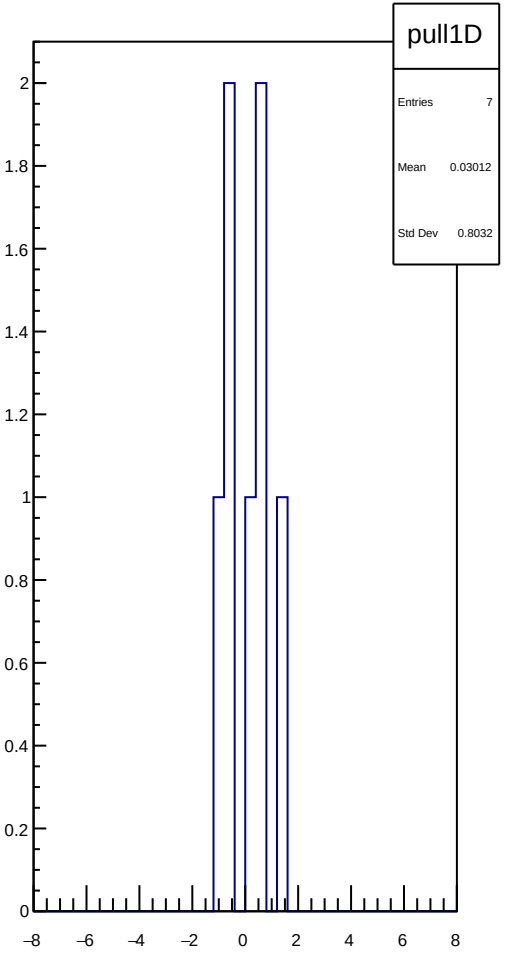

dit_asym_atl1_rms vs run
χ² / ndf 2.598 / 6
p0 3293 ± 8.777
3340
3320
3300
3280
3260
3240
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

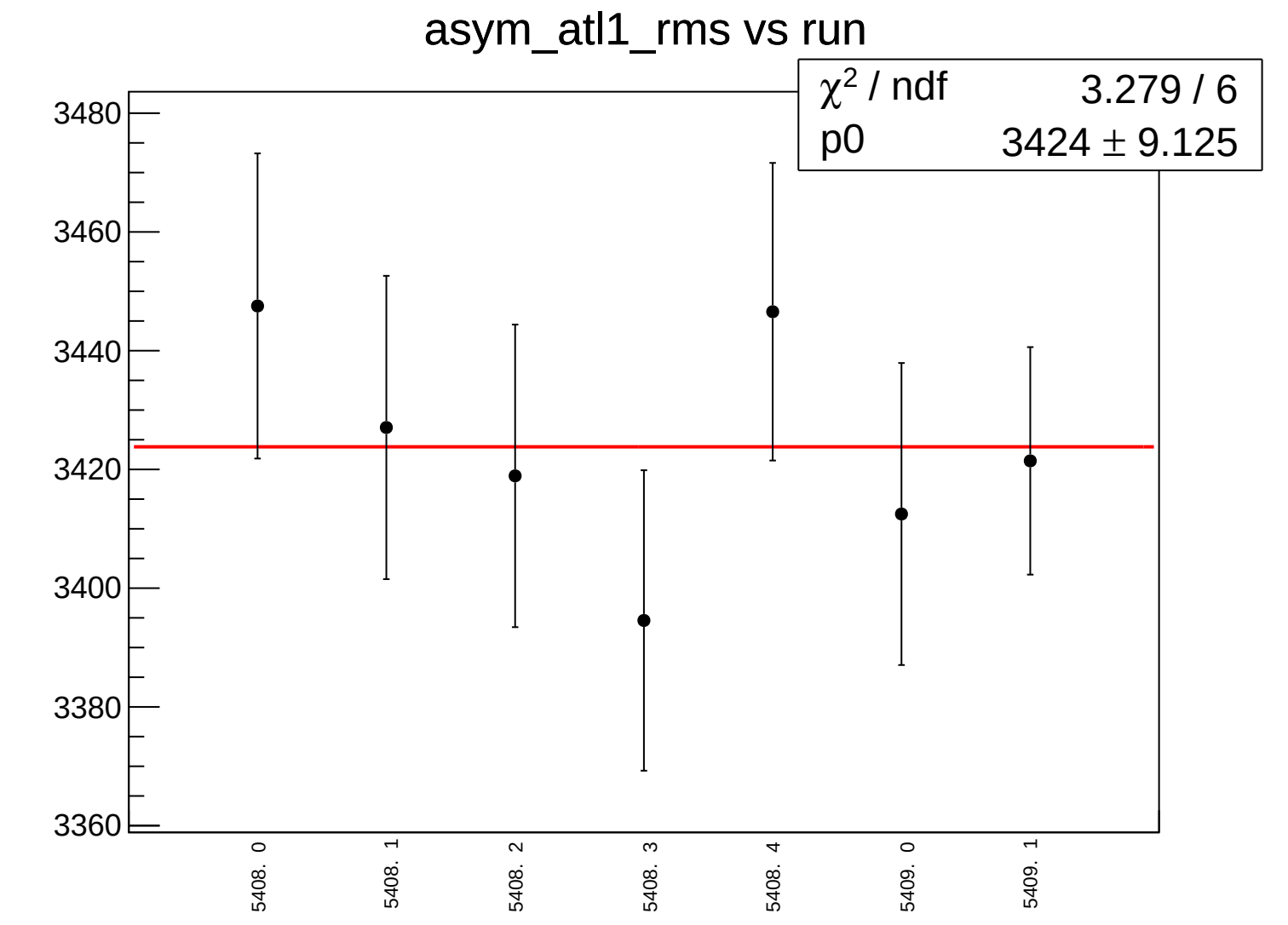

asym_atl1_correction_mean vs run
χ² / ndf 6.587 / 6
p0 −2321 ± 4304
30000
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.551
Std Dev 12.21
1.5
1
0.5
0
−0.5
−1
−1.5

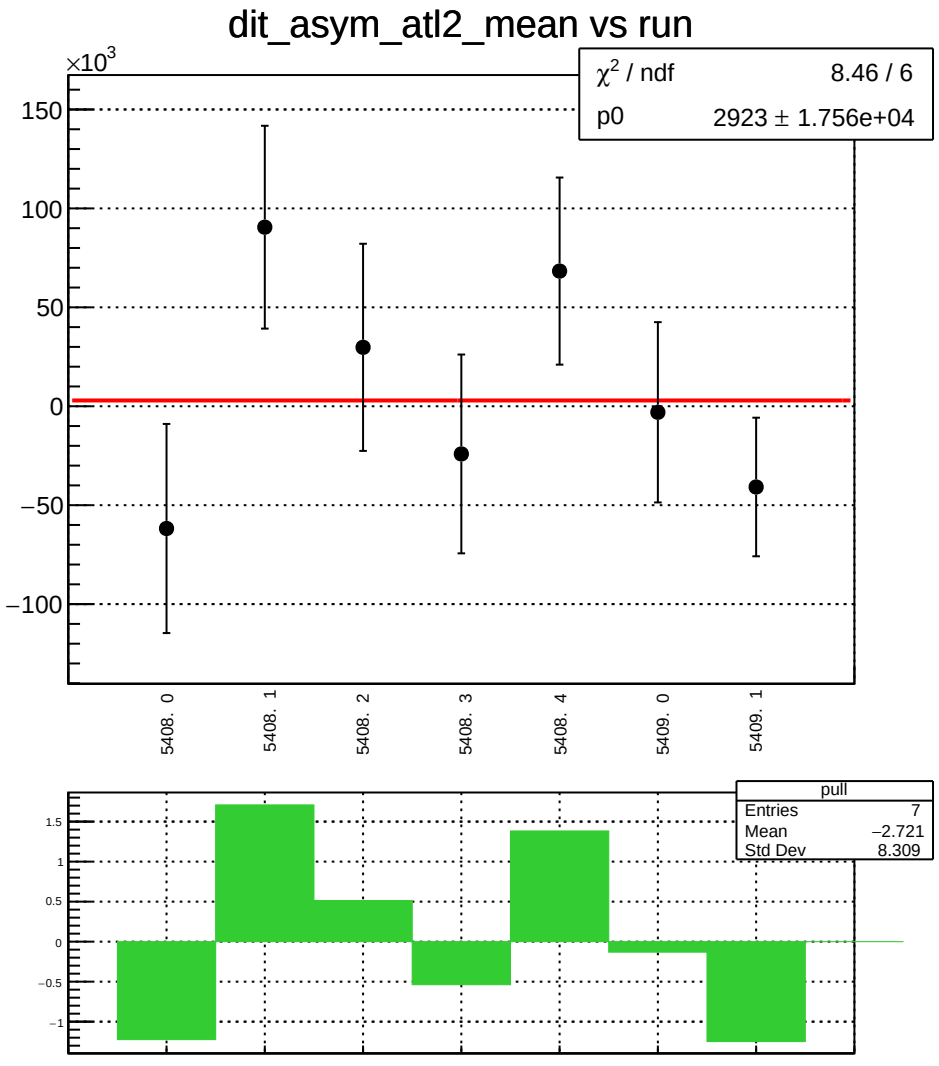

pull1D
Entries 7
Mean 0.004946
Std Dev 0.9701
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

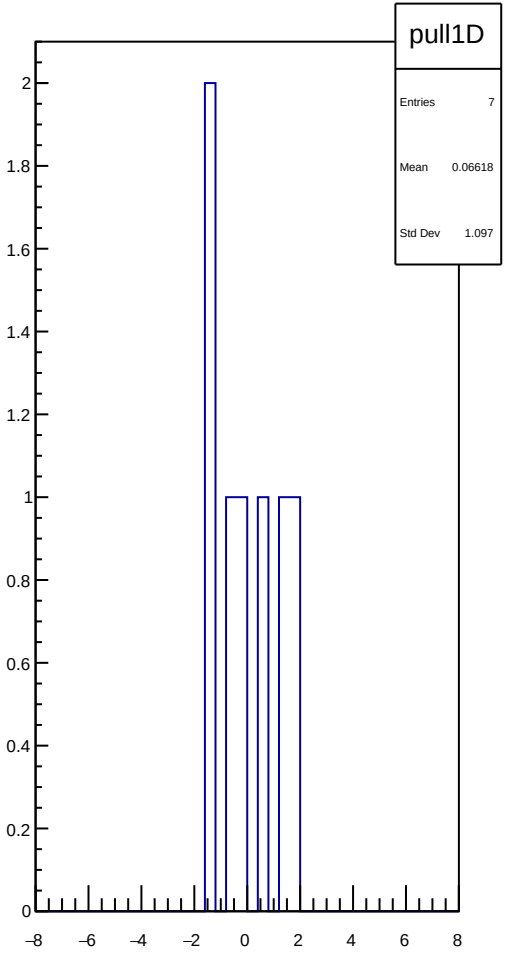

asym_atl1_correction_rms vs run
χ² / ndf 9.12 / 6
p0 1142 ± 3.044
1160
1150
1140
1130
1120
1110
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

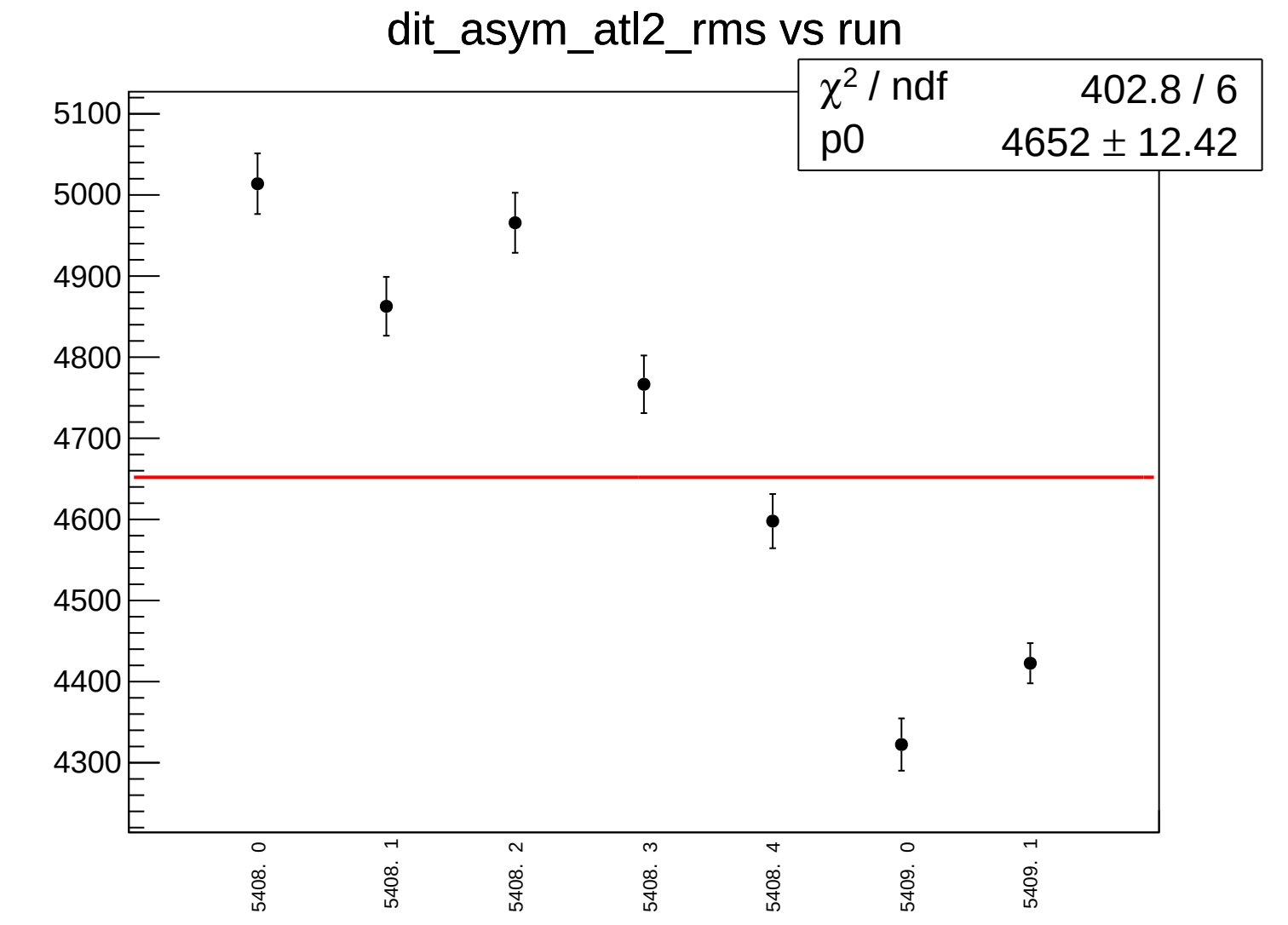

asym_atl1_mean vs run
×10^3
χ² / ndf 4.522 / 6
p0 2494 ± 1.29e+04
100
80
60
40
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 21.83
Std Dev 18.87
1.5
1
0.5
0
−0.5
−1

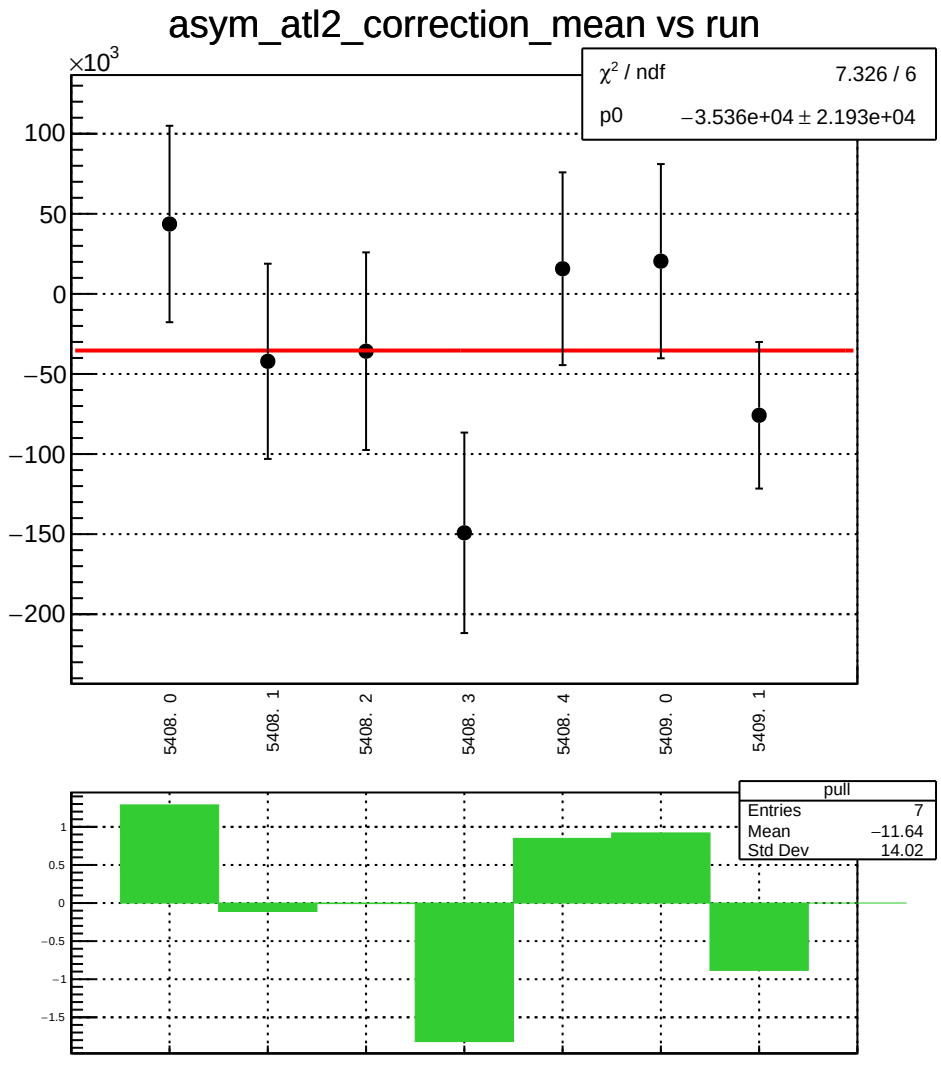

pull1D
Entries 7
Mean 0.03012
Std Dev 0.8032
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

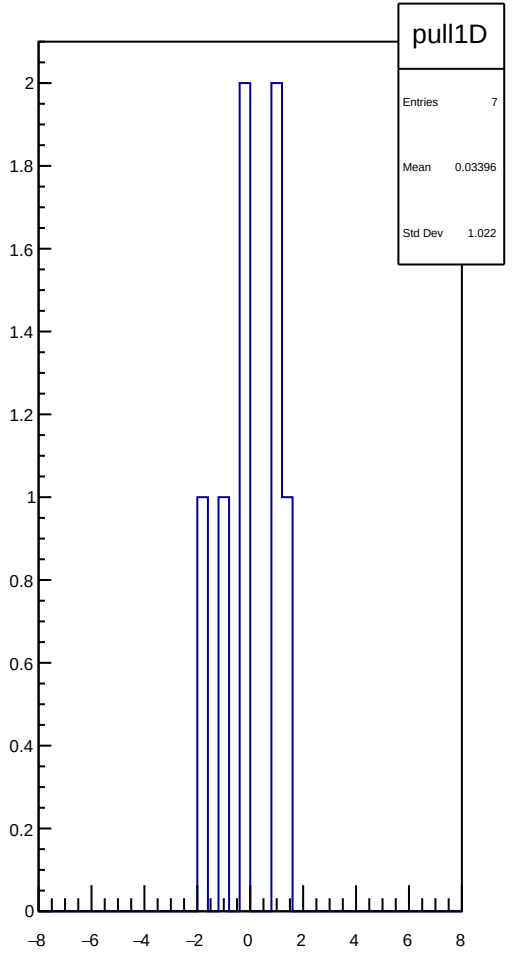

asym_atl1_rms vs run
χ² / ndf 3.279 / 6
p0 3424 ± 9.125
3480
3460
3440
3420
3400
3380
3360
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

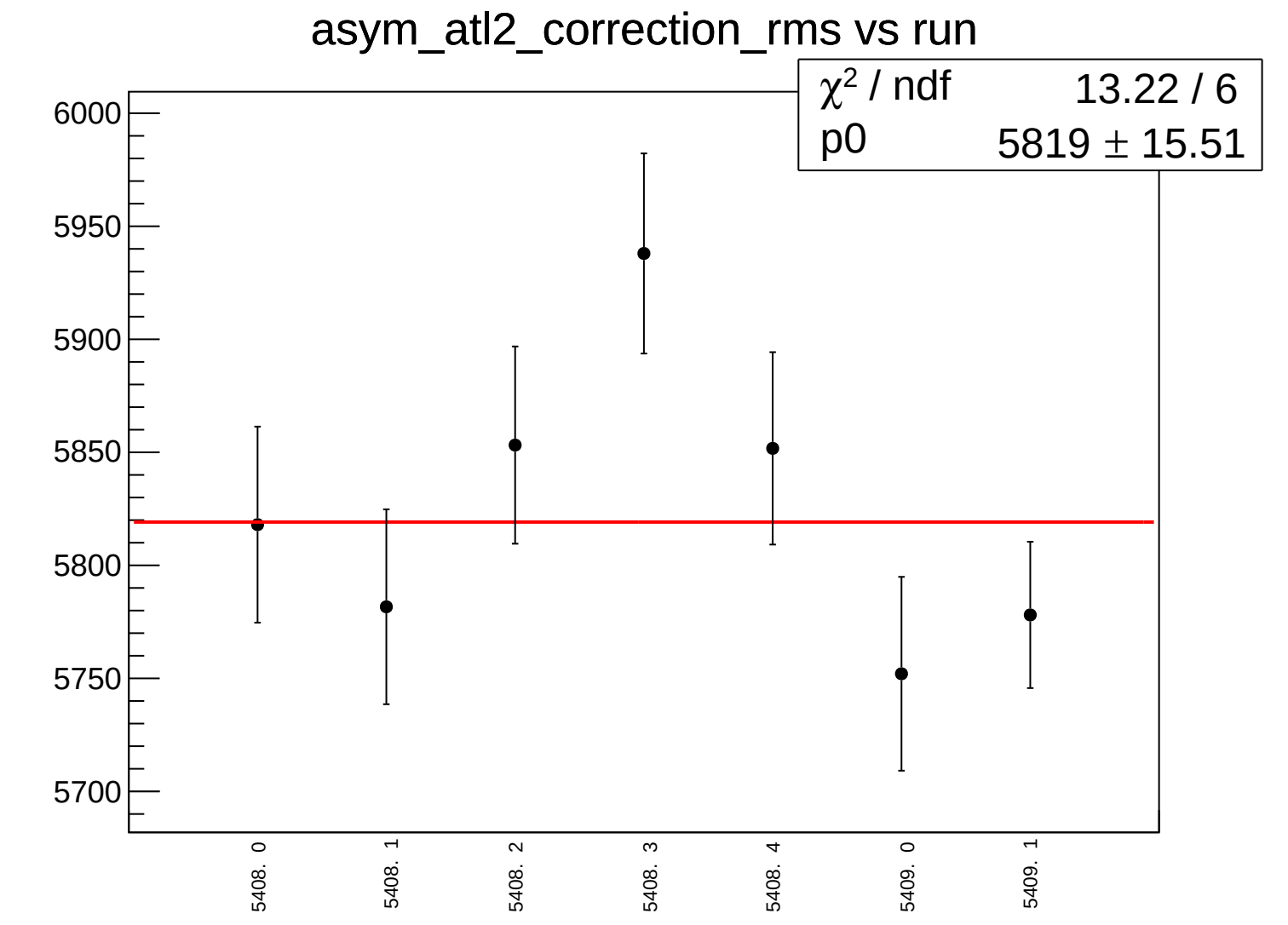

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 8.46 / 6
p0 2923 ± 1.756e+04
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −2.721
Std Dev 8.309
1.5
1
0.5
0
−0.5
−1

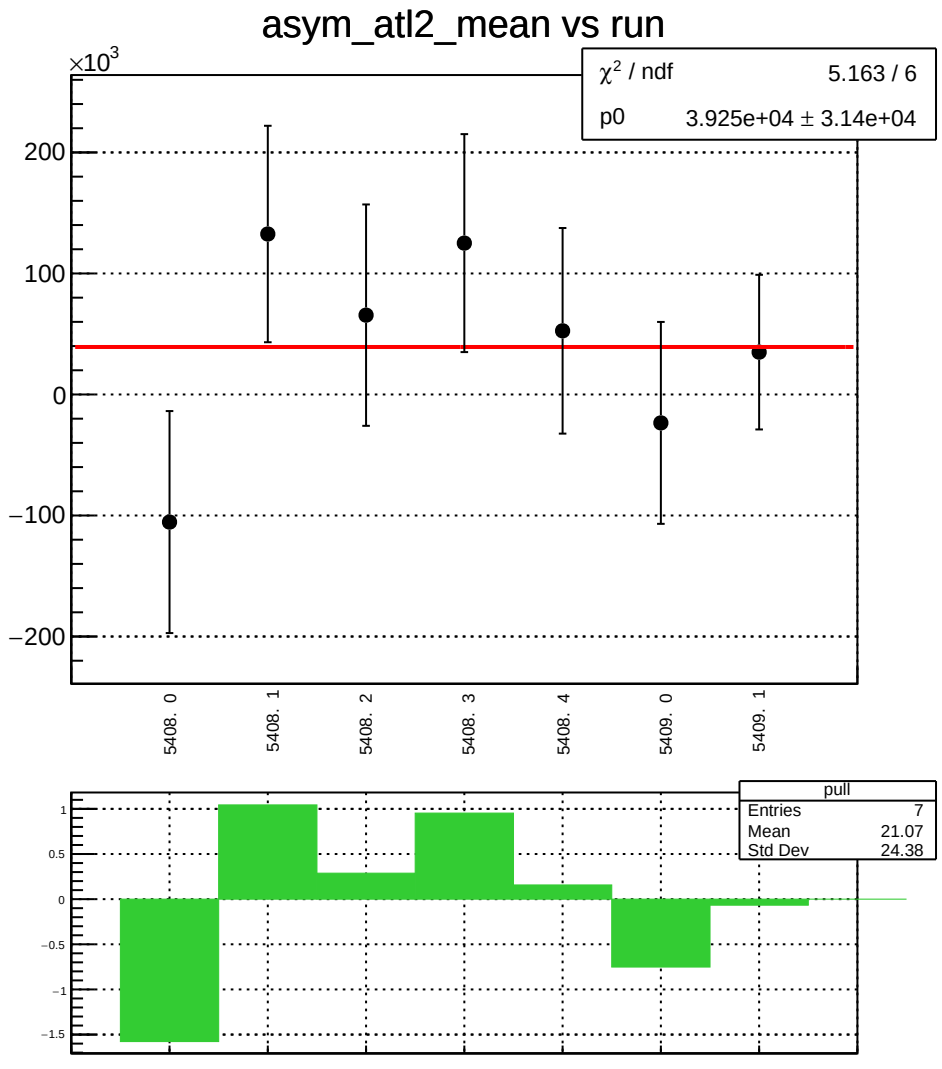

pull1D
Entries 7
Mean 0.06618
Std Dev 1.097
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

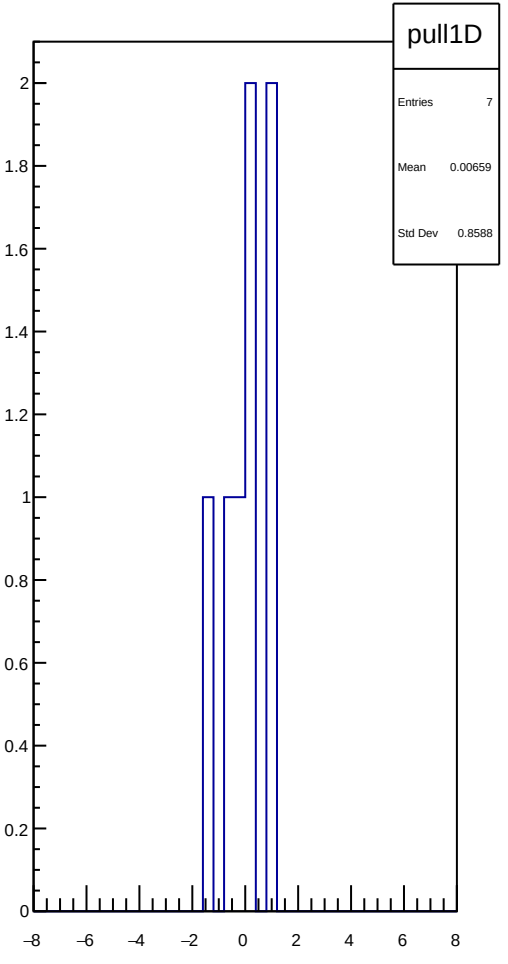

dit_asym_atl2_rms vs run
χ² / ndf 402.8 / 6
p0 4652 ± 12.42
5100
5000
4900
4800
4700
4600
4500
4400
4300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

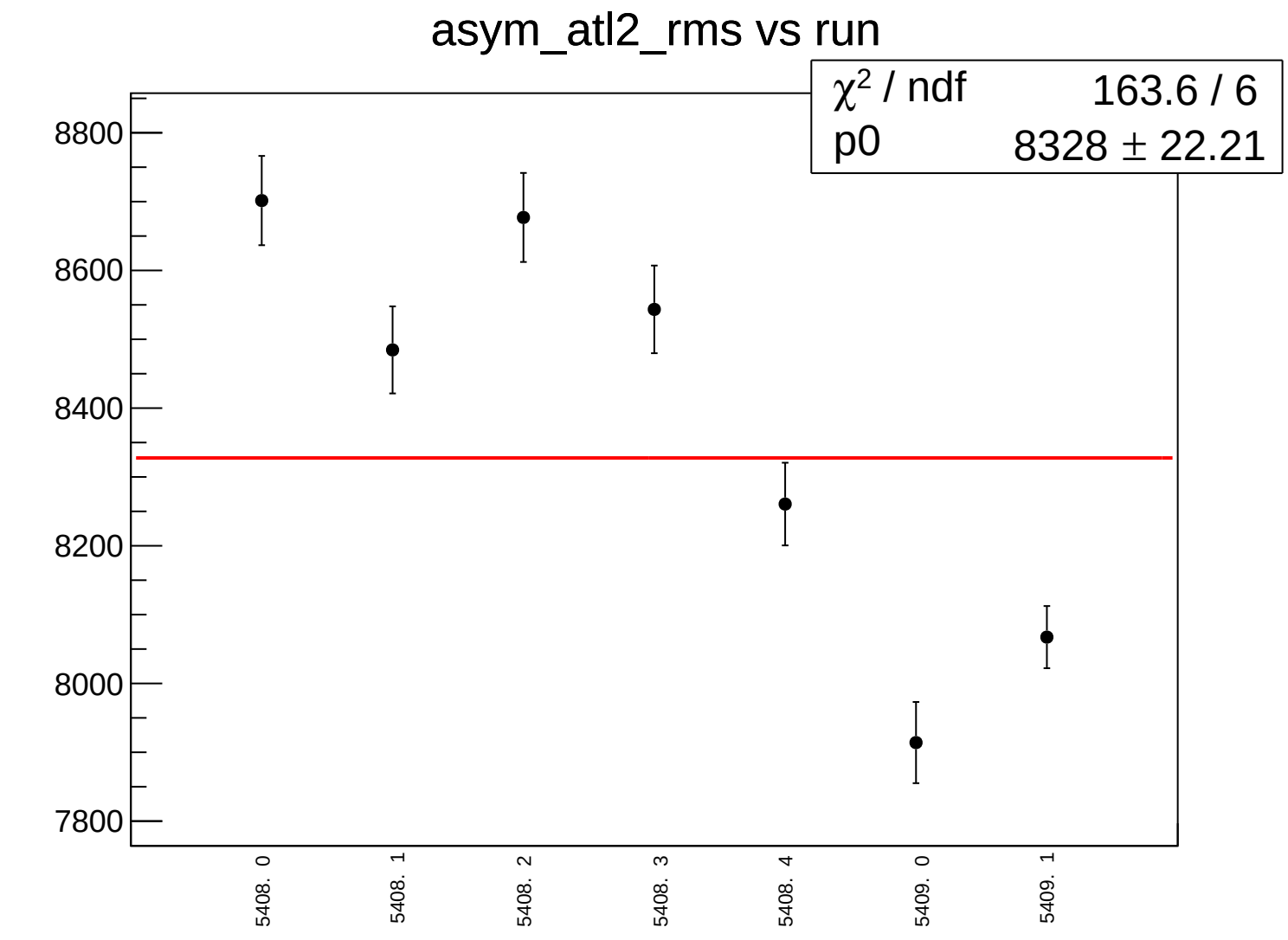

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 7.326 / 6
p0 −3.536e+04 ± 2.193e+04
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −11.64
Std Dev 14.02
1
0.5
0
−0.5
−1
−1.5

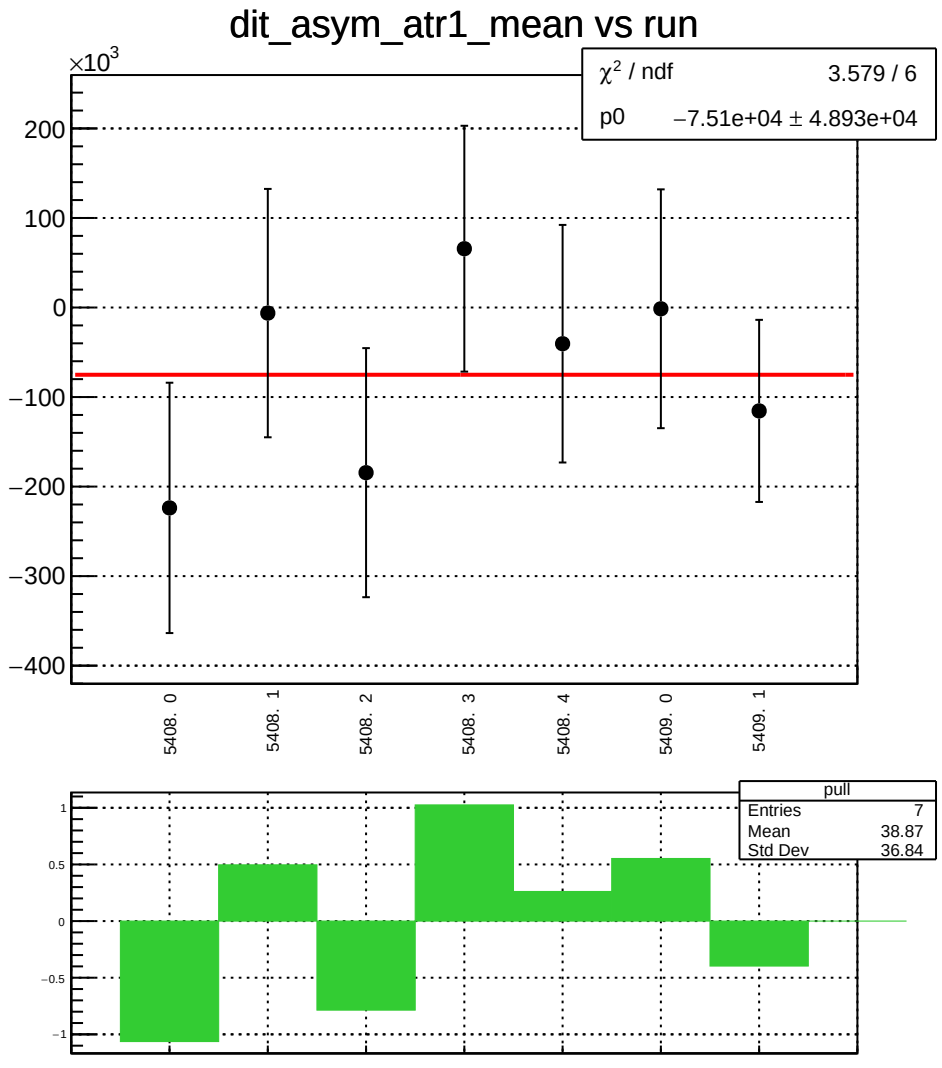

pull1D
Entries 7
Mean 0.03396
Std Dev 1.022
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

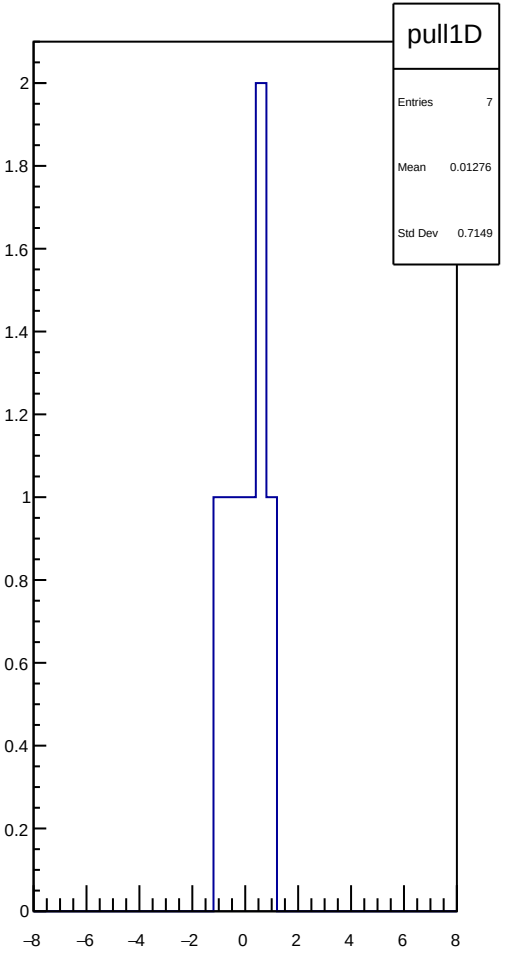

asym_atl2_correction_rms vs run
χ² / ndf 13.22 / 6
p0 5819 ± 15.51
6000
5950
5900
5850
5800
5750
5700
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

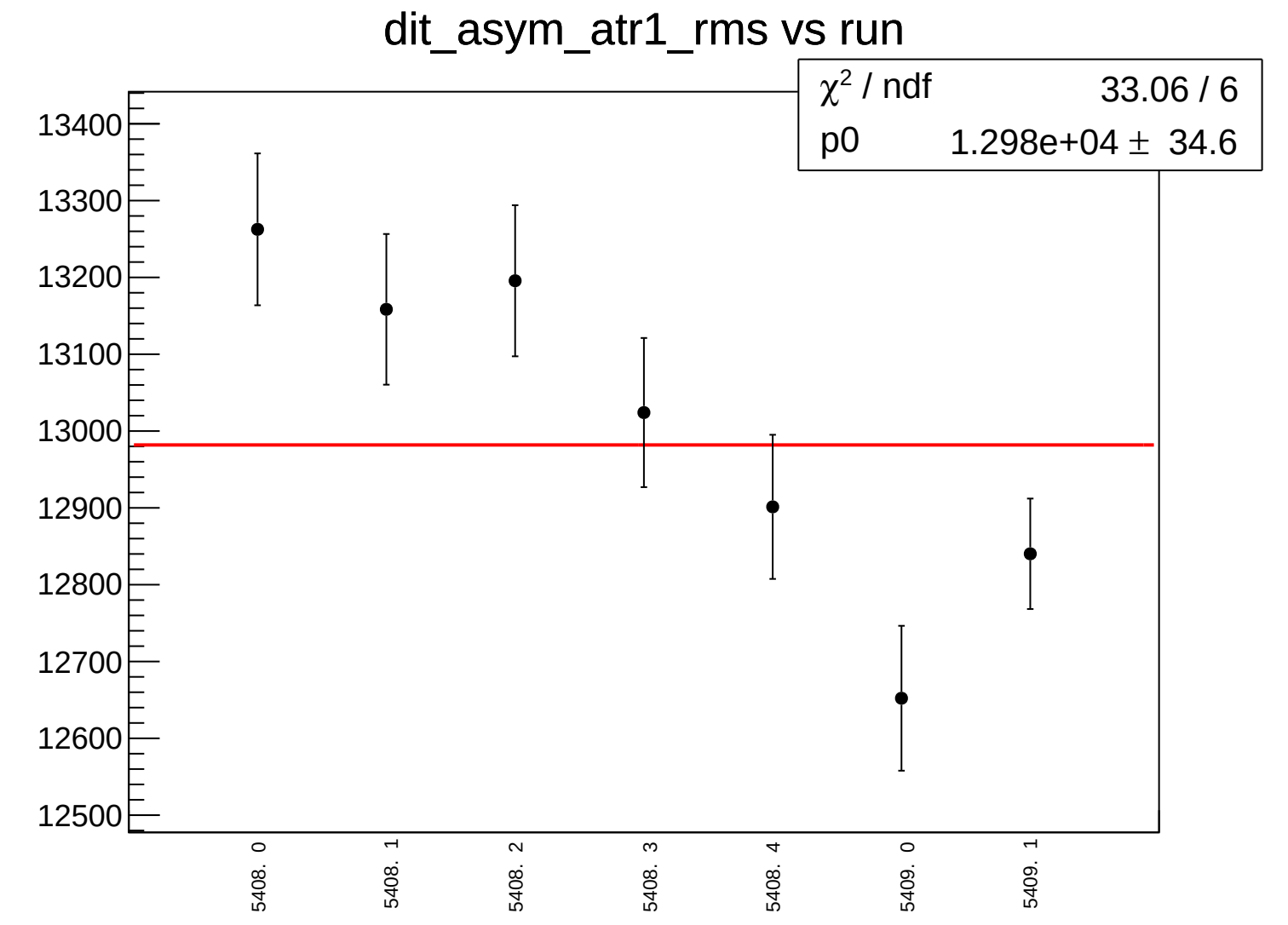

asym_atl2_mean vs run
×10^3
χ² / ndf 5.163 / 6
p0 3.925e+04 ± 3.14e+04
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 21.07
Std Dev 24.38
1
0.5
0
−0.5
−1
−1.5

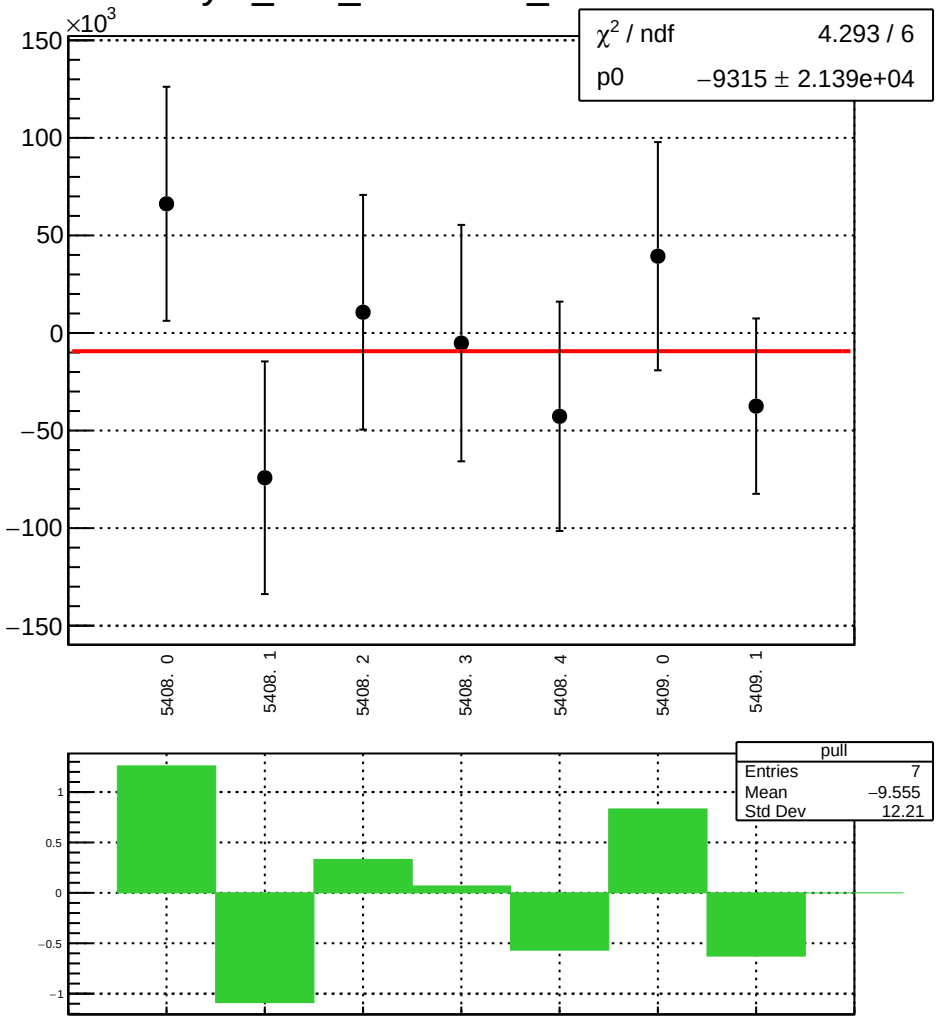

pull1D
Entries 7
Mean 0.00659
Std Dev 0.8588
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

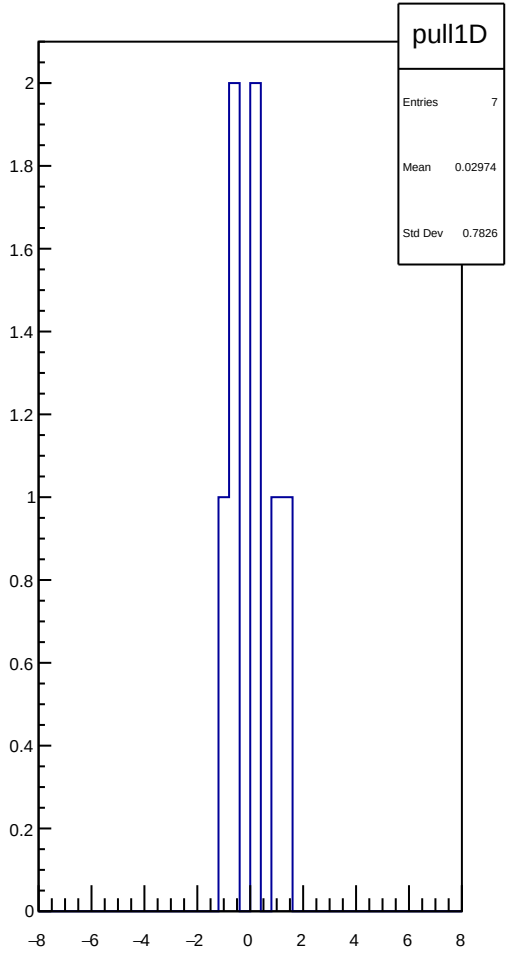

asym_atl2_rms vs run
χ² / ndf 163.6 / 6
p0 8328 ± 22.21
8800
8600
8400
8200
8000
7800
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

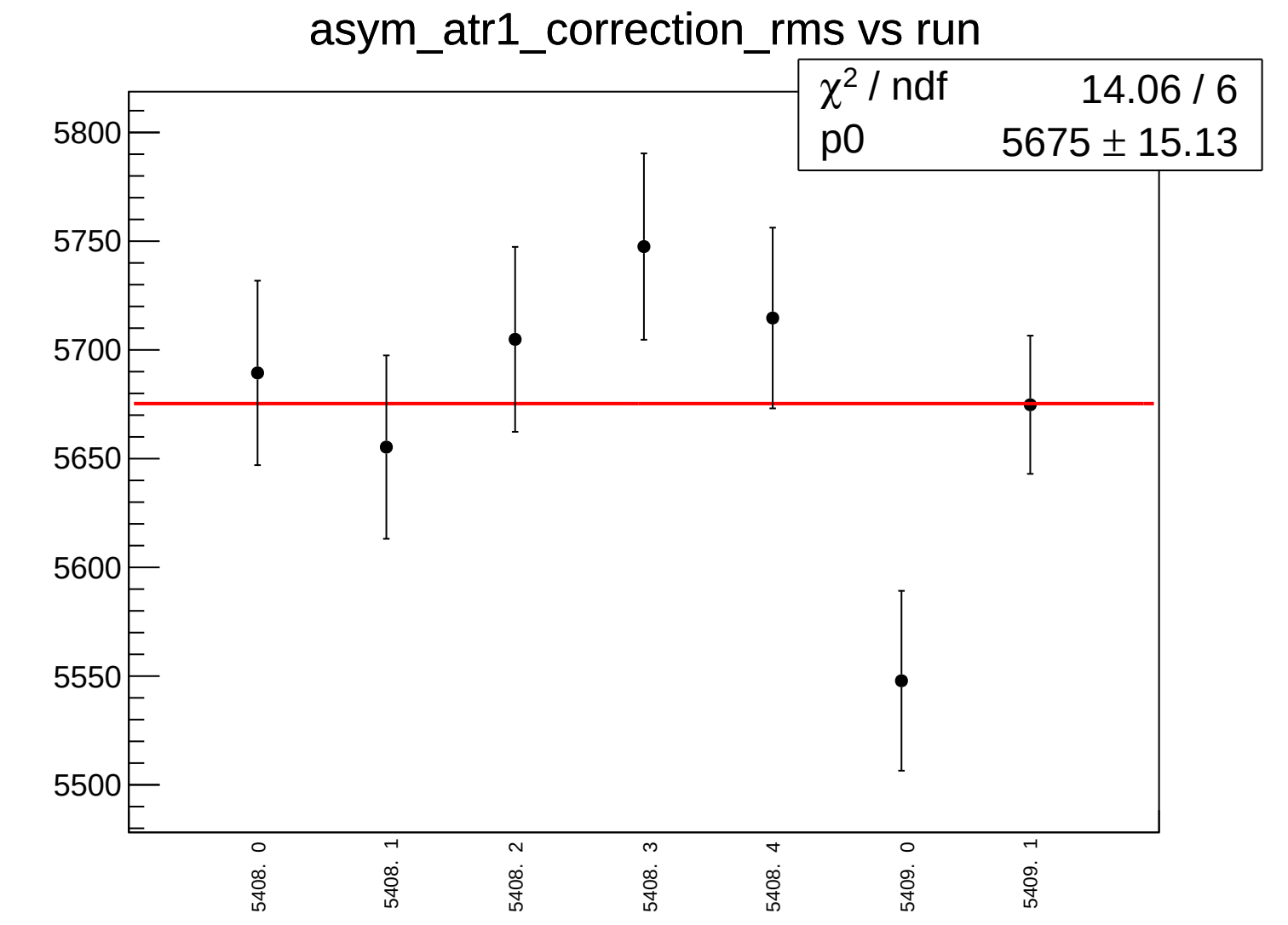

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 3.579 / 6
p0 −7.51e+04 ± 4.893e+04
200
100
0
−100
−200
−300
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 38.87
Std Dev 36.84
1
0.5
0
−0.5
−1

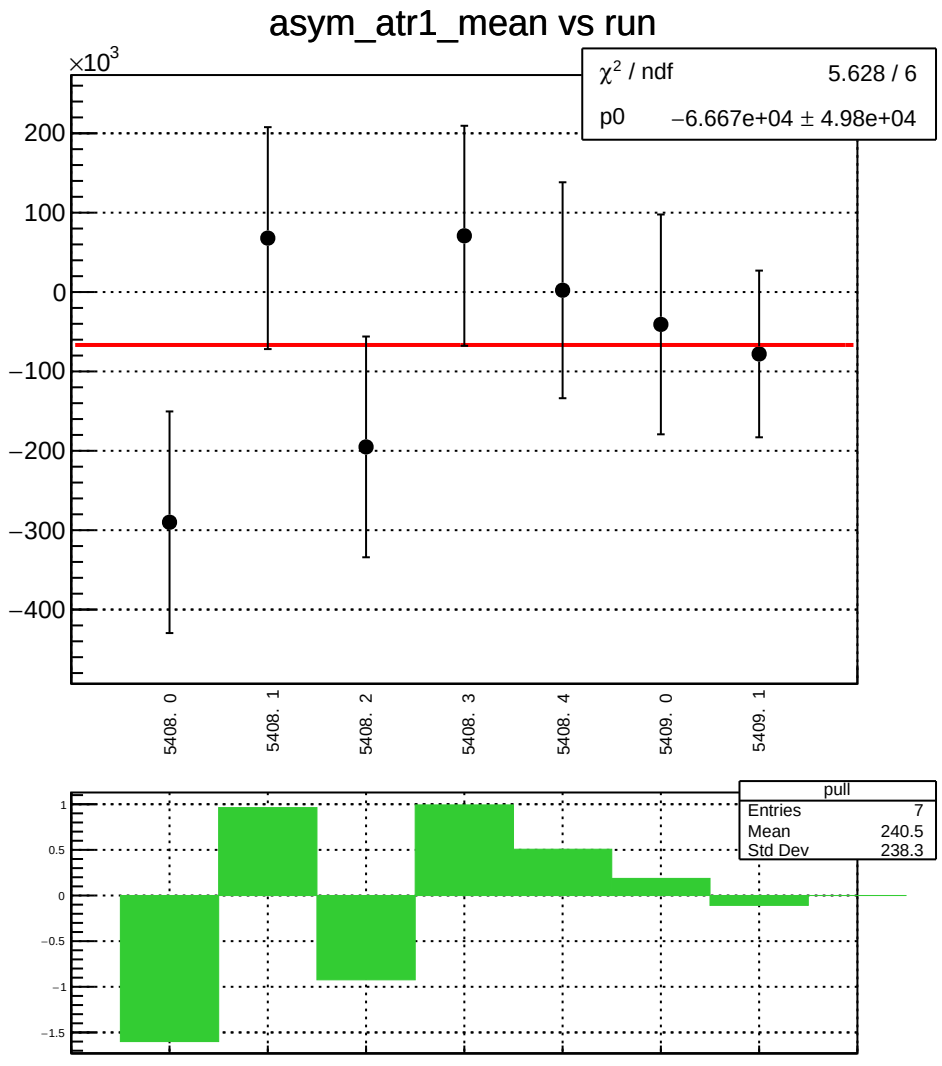

pull1D
Entries 7
Mean 0.01276
Std Dev 0.7149
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

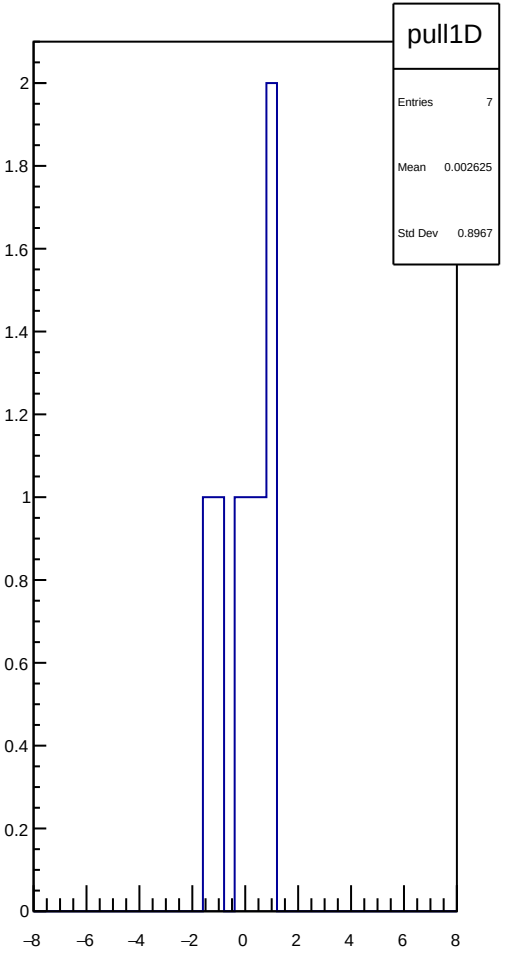

dit_asym_atr1_rms vs run
χ² / ndf 33.06 / 6
p0 1.298e+04 ± 34.6
13400
13300
13200
13100
13000
12900
12800
12700
12600
12500
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

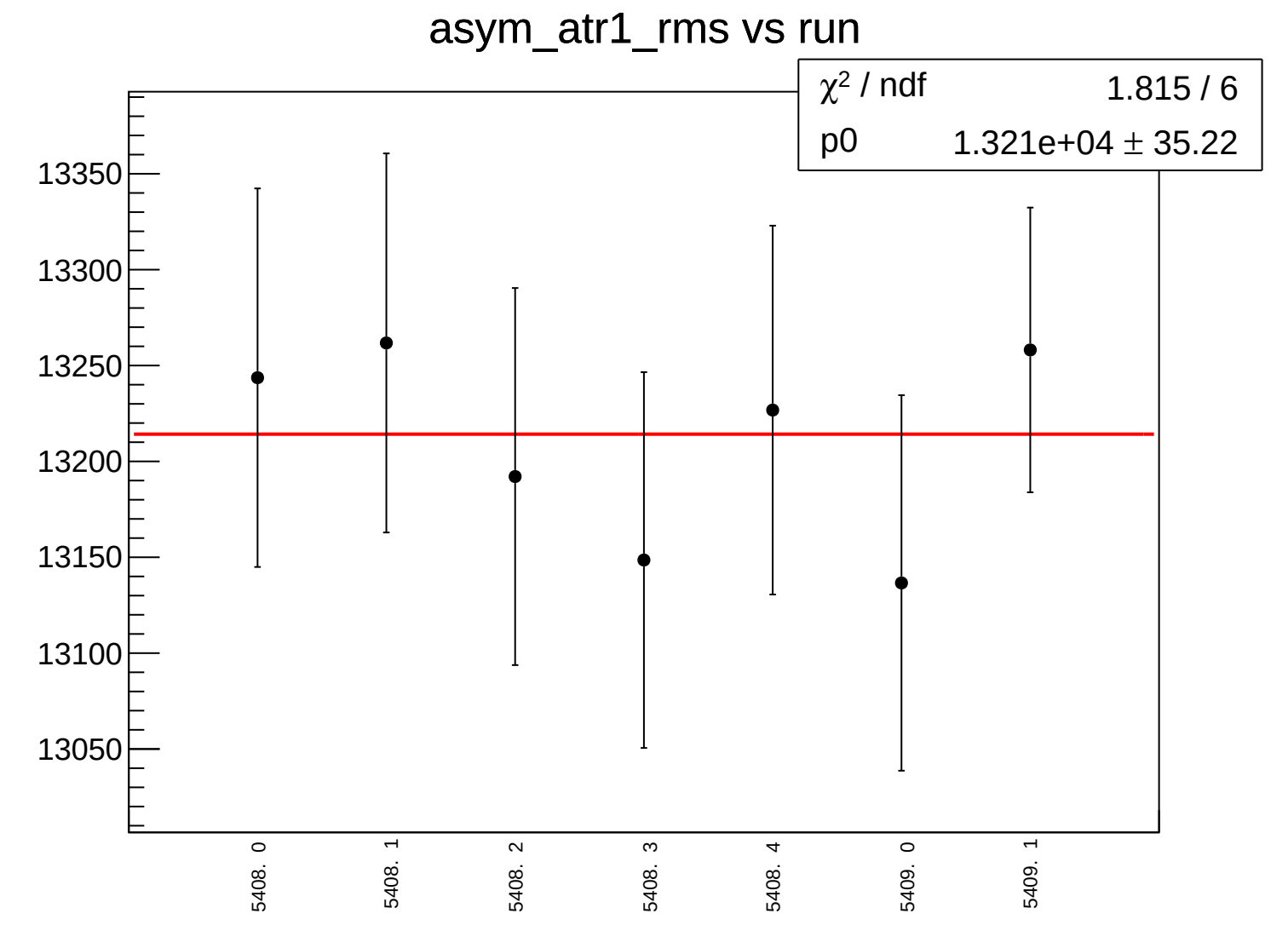

asym_atr1_correction_mean vs run
×10^3
χ² / ndf 4.293 / 6
p0 −9315 ± 2.139e+04
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.555
Std Dev 12.21
1
0.5
0
−0.5
−1

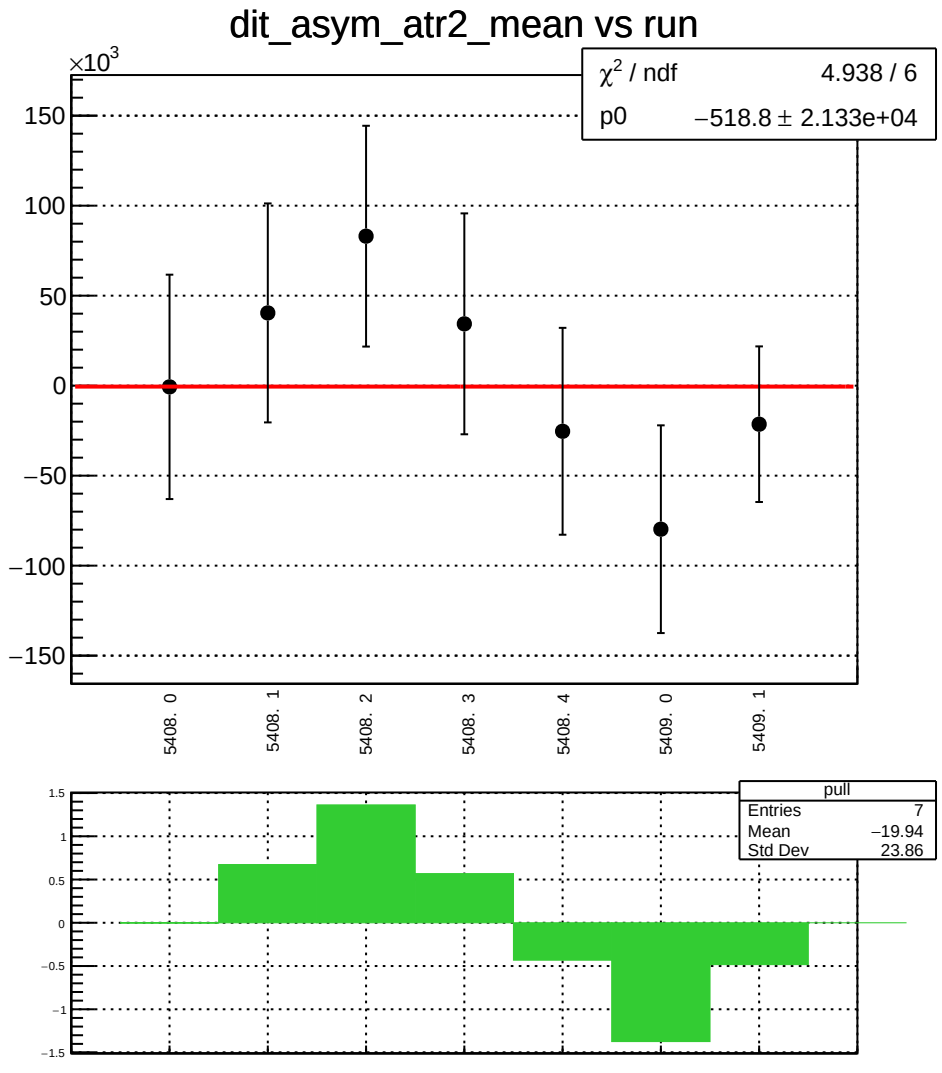

pull1D
Entries 7
Mean 0.02974
Std Dev 0.7826
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

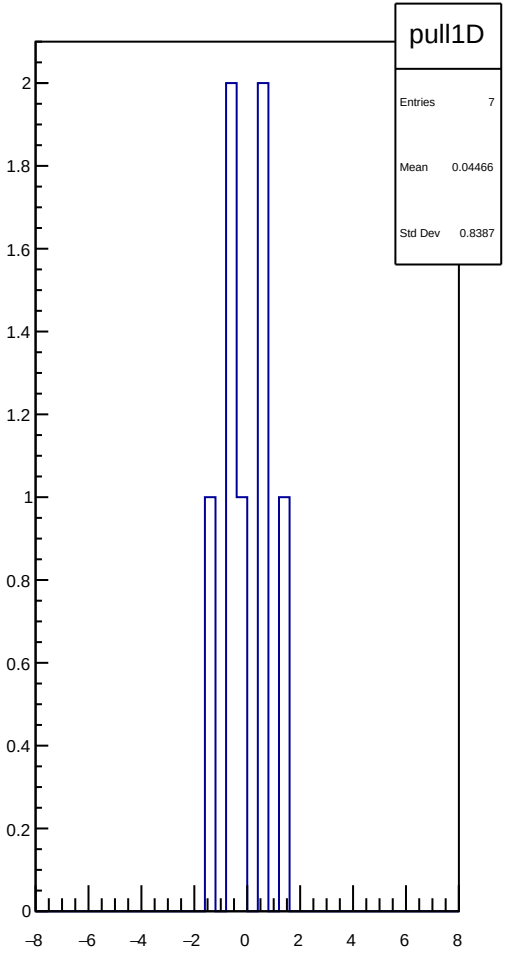

asym_atr1_correction_rms vs run
χ² / ndf 14.06 / 6
p0 5675 ± 15.13
5800
5750
5700
5650
5600
5550
5500
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

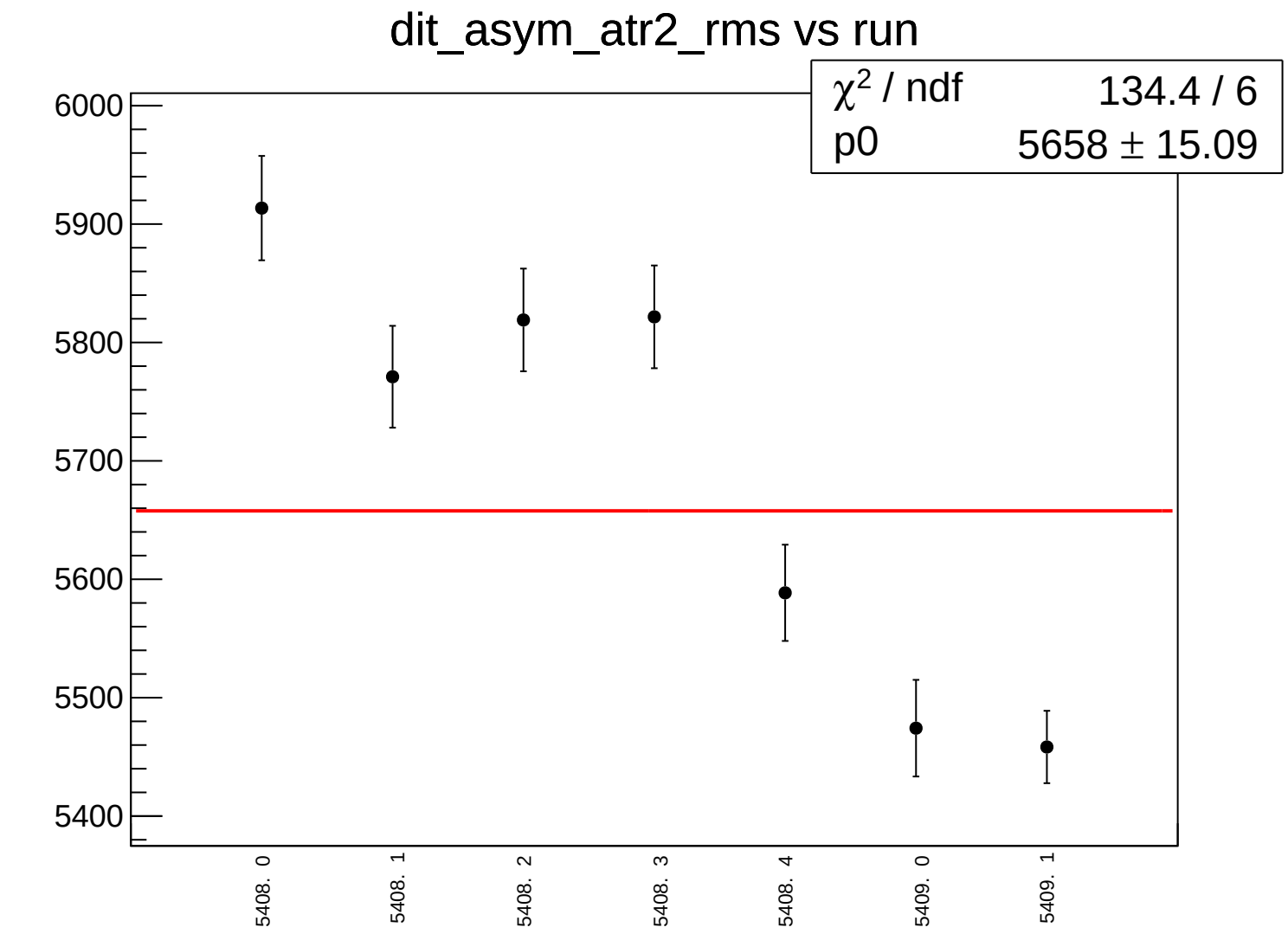

asym_atr1_mean vs run
×10^3
χ² / ndf 5.628 / 6
p0 −6.667e+04 ± 4.98e+04
200
100
0
−100
−200
−300
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 240.5
Std Dev 238.3
1
0.5
0
−0.5
−1
−1.5

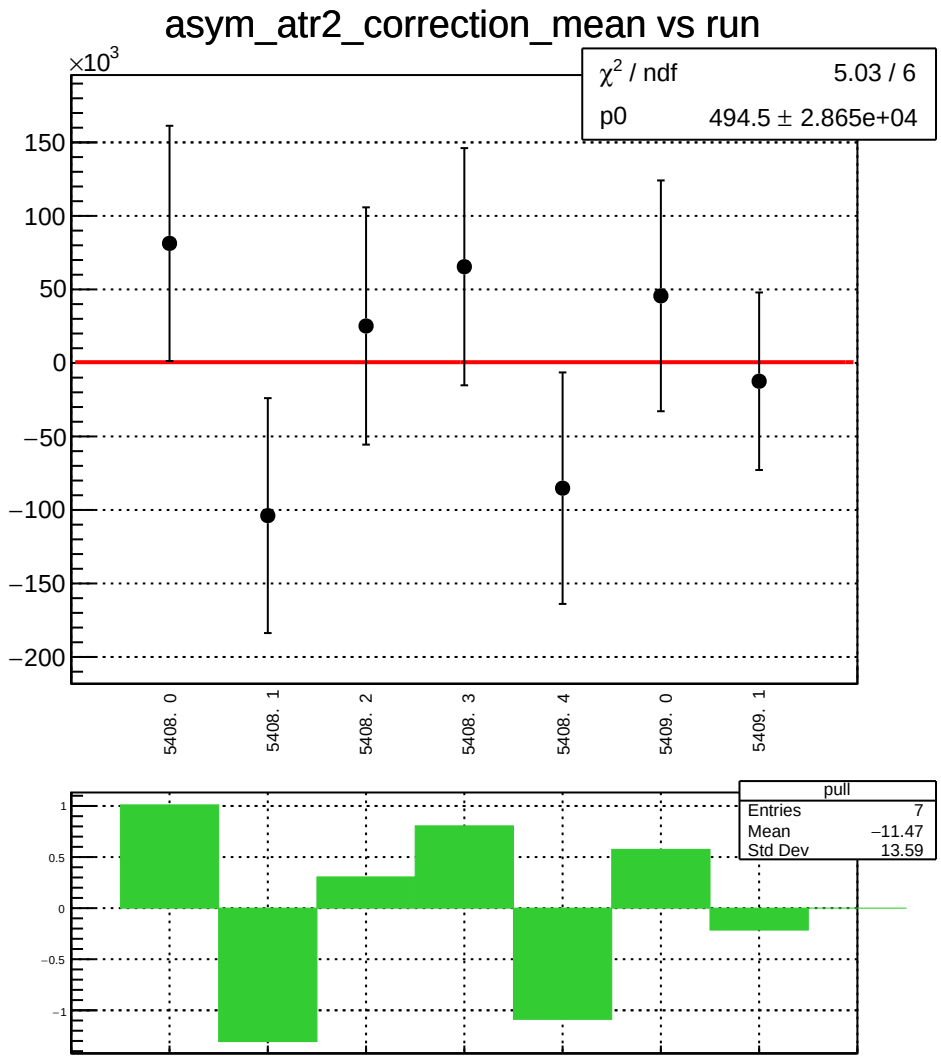

pull1D
Entries 7
Mean 0.002625
Std Dev 0.8967
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

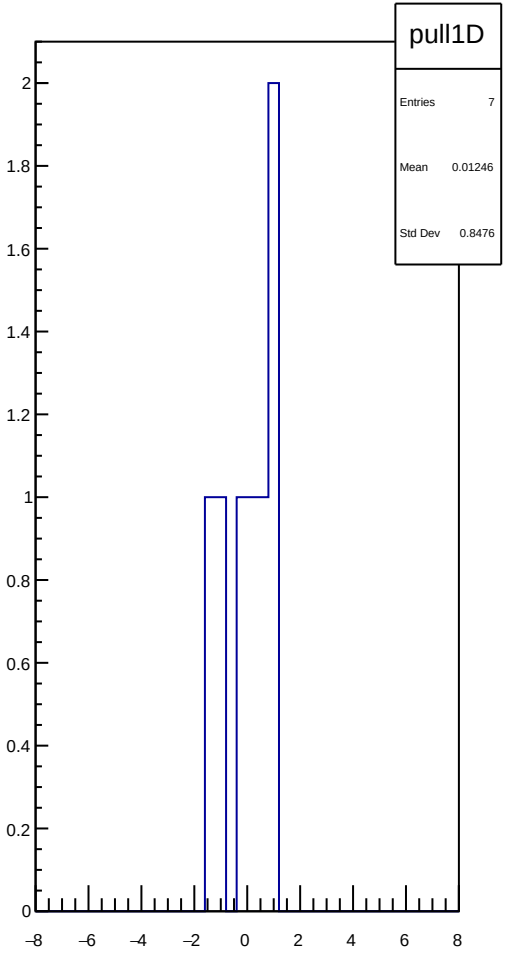

asym_atr1_rms vs run
χ² / ndf 1.815 / 6
p0 1.321e+04 ± 35.22
13350
13300
13250
13200
13150
13100
13050
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

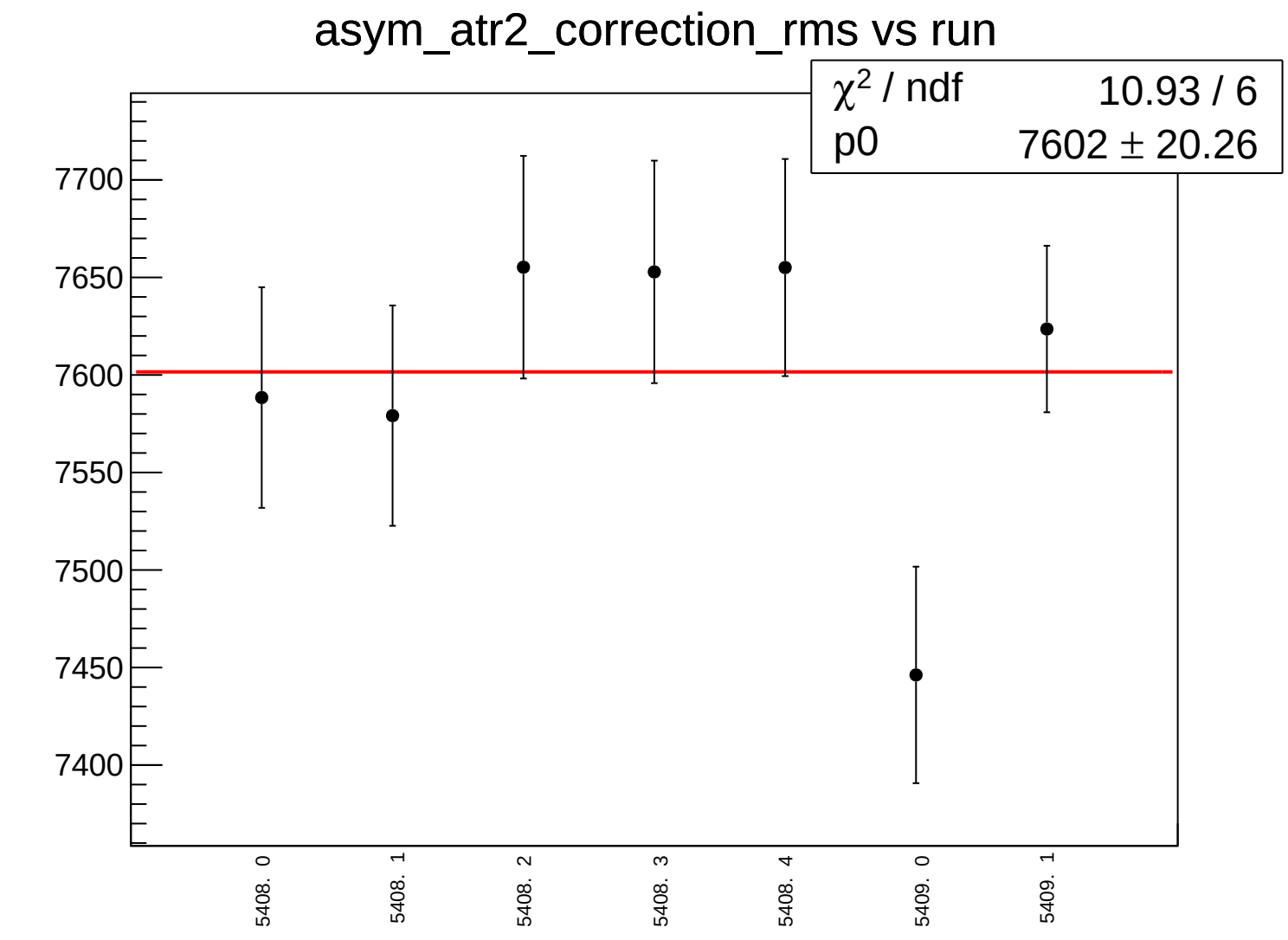

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 4.938 / 6
p0 −518.8 ± 2.133e+04
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −19.94
Std Dev 23.86
1.5
1
0.5
0
−0.5
−1
−1.5

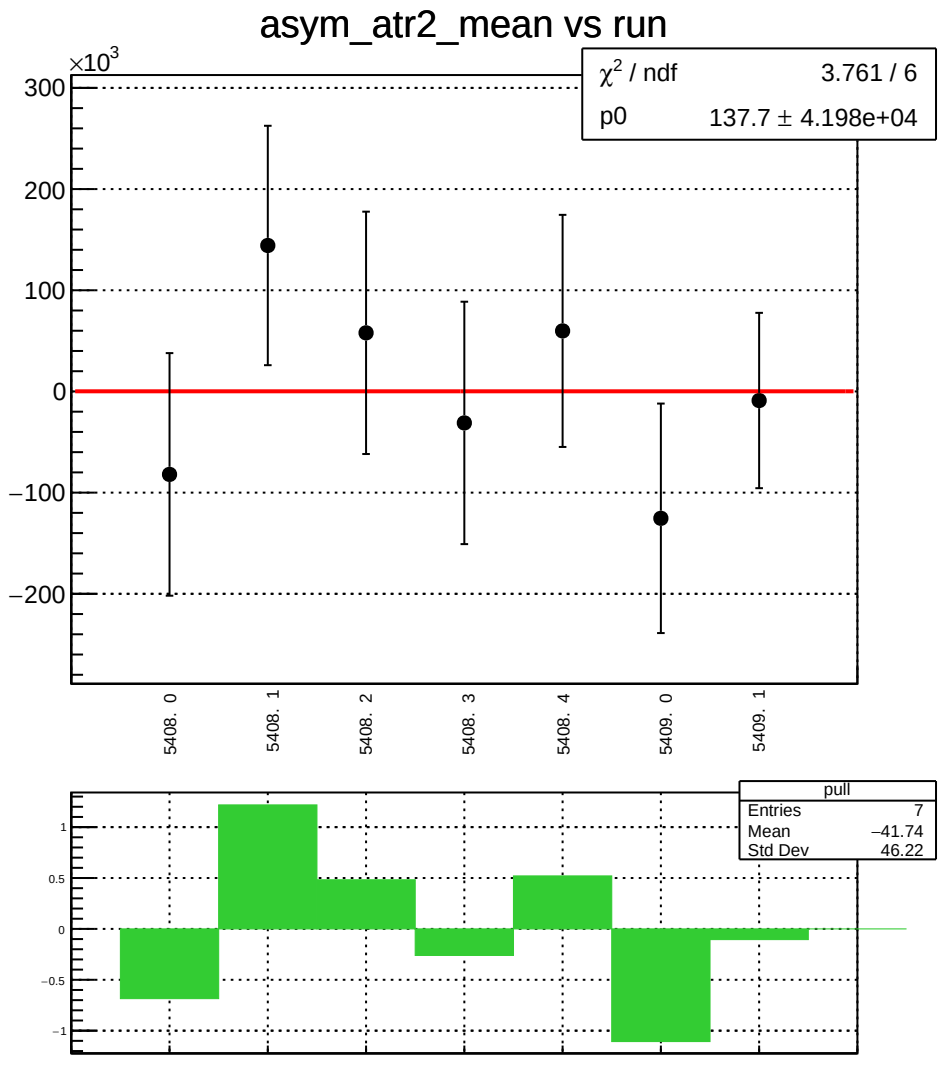

pull1D
Entries 7
Mean 0.04466
Std Dev 0.8387
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

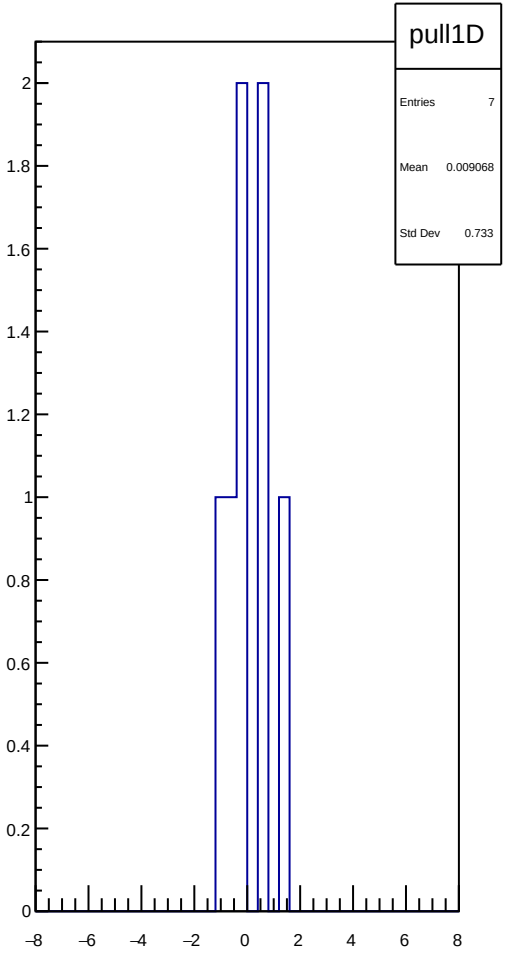

dit_asym_atr2_rms vs run
χ² / ndf 134.4 / 6
p0 5658 ± 15.09
6000
5900
5800
5700
5600
5500
5400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

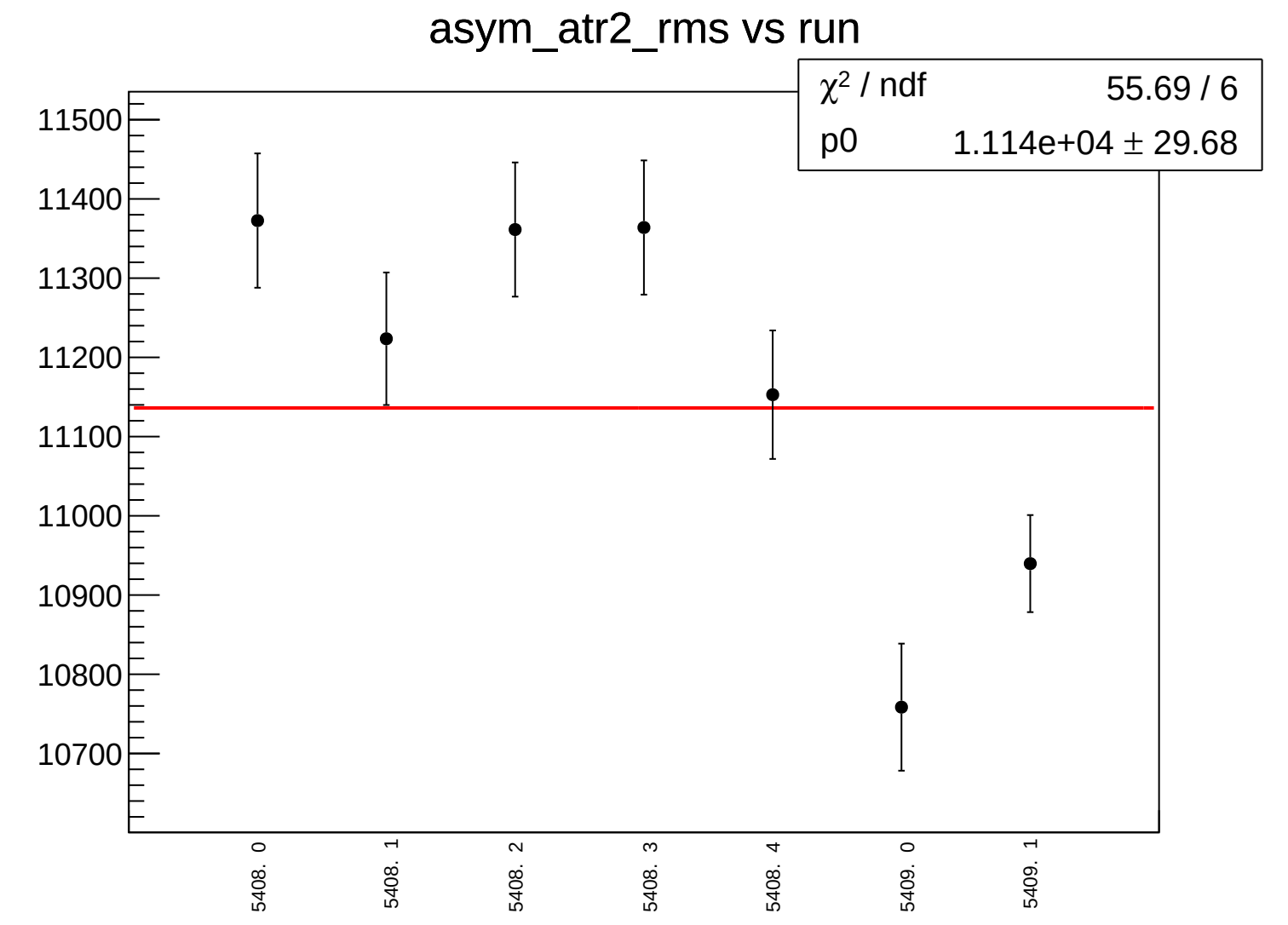

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 5.03 / 6
p0 494.5 ± 2.865e+04
150
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −11.47
Std Dev 13.59
1
0.5
0
−0.5
−1

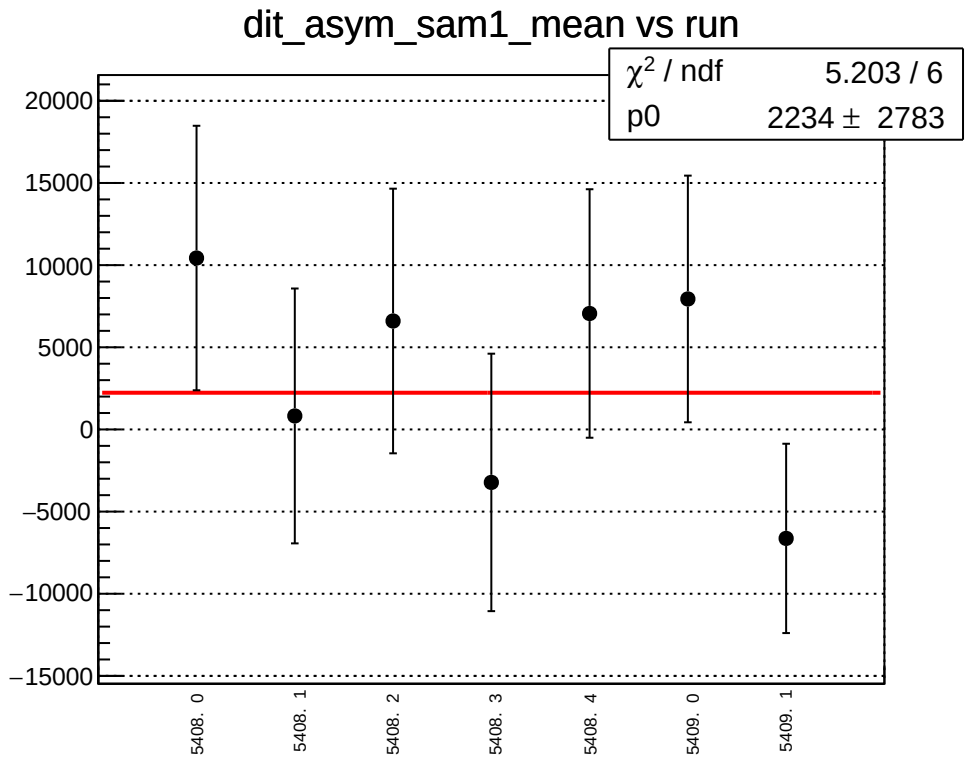

pull1D
Entries 7
Mean 0.01246
Std Dev 0.8476
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

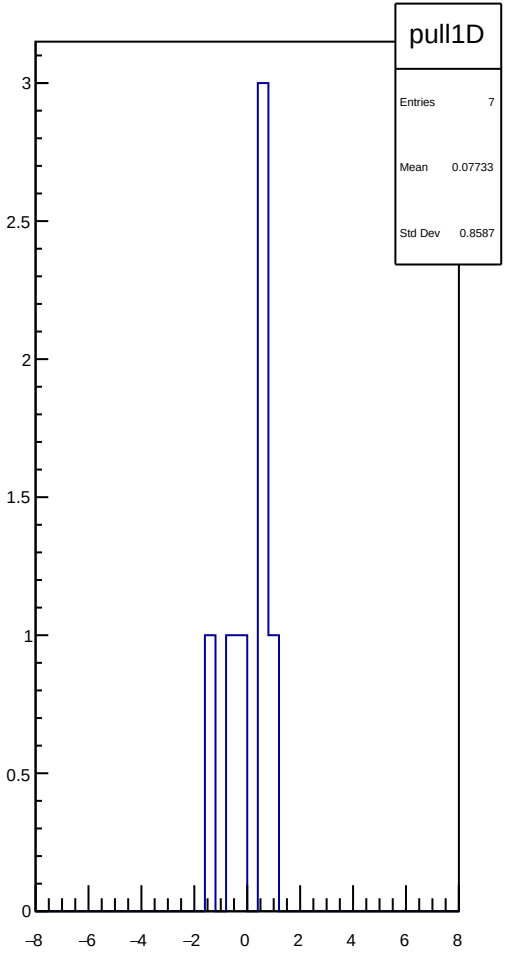

asym_atr2_correction_rms vs run
χ² / ndf 10.93 / 6
p0 7602 ± 20.26
7700
7650
7600
7550
7500
7450
7400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

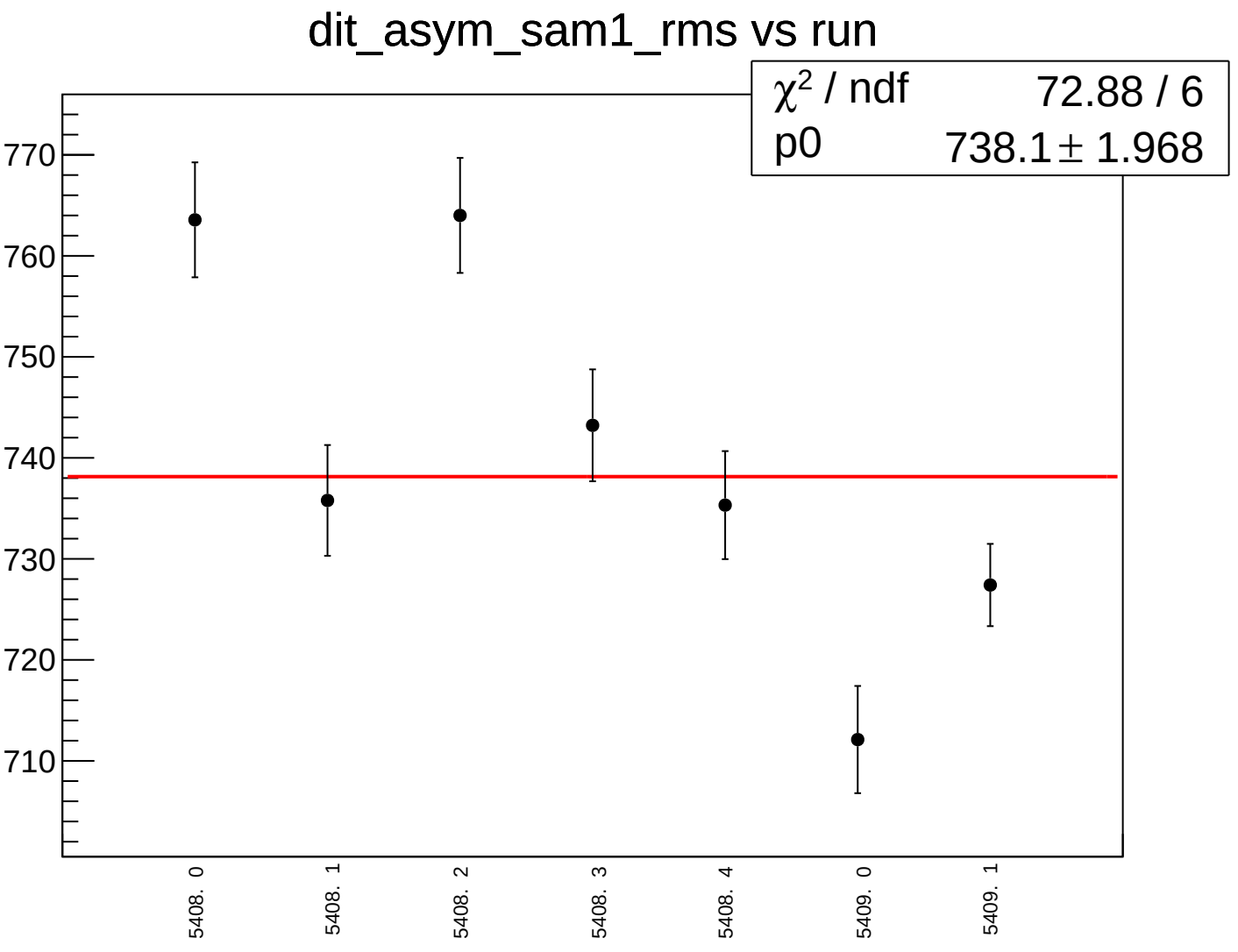

asym_atr2_mean vs run
×10^3
χ² / ndf 3.761 / 6
p0 137.7 ± 4.198e+04
300
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −41.74
Std Dev 46.22
1
0.5
0
−0.5
−1

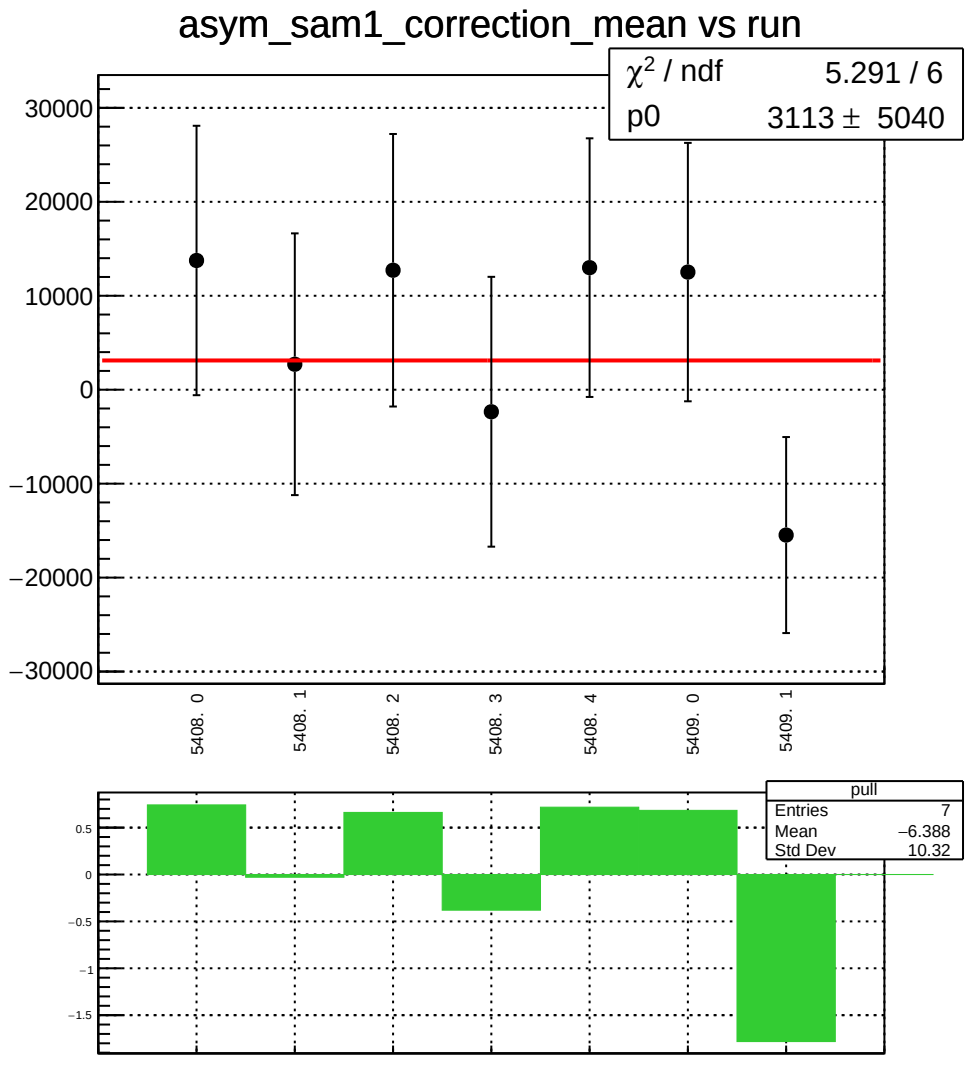

pull1D
Entries 7
Mean 0.009068
Std Dev 0.733
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

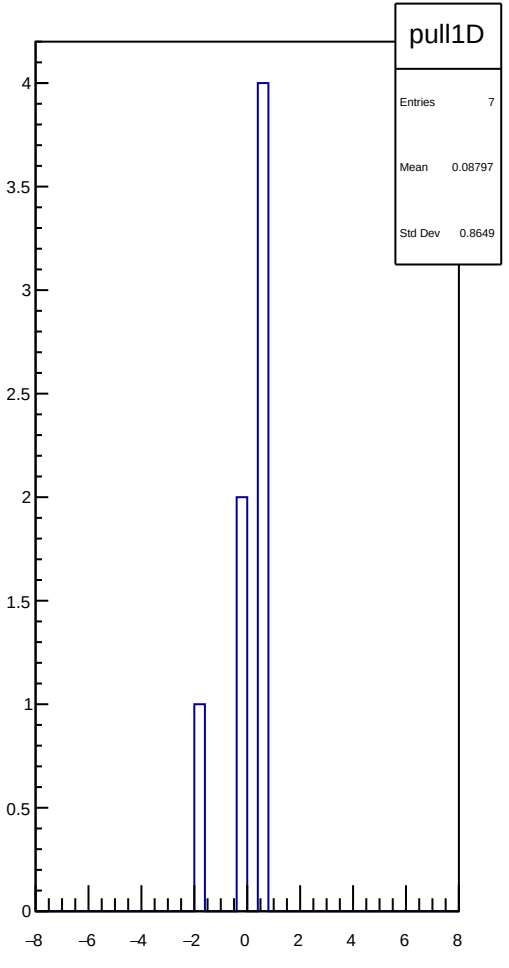

asym_atr2_rms vs run
χ² / ndf 55.69 / 6
p0 1.114e+04 ± 29.68
11500
11400
11300
11200
11100
11000
10900
10800
10700
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

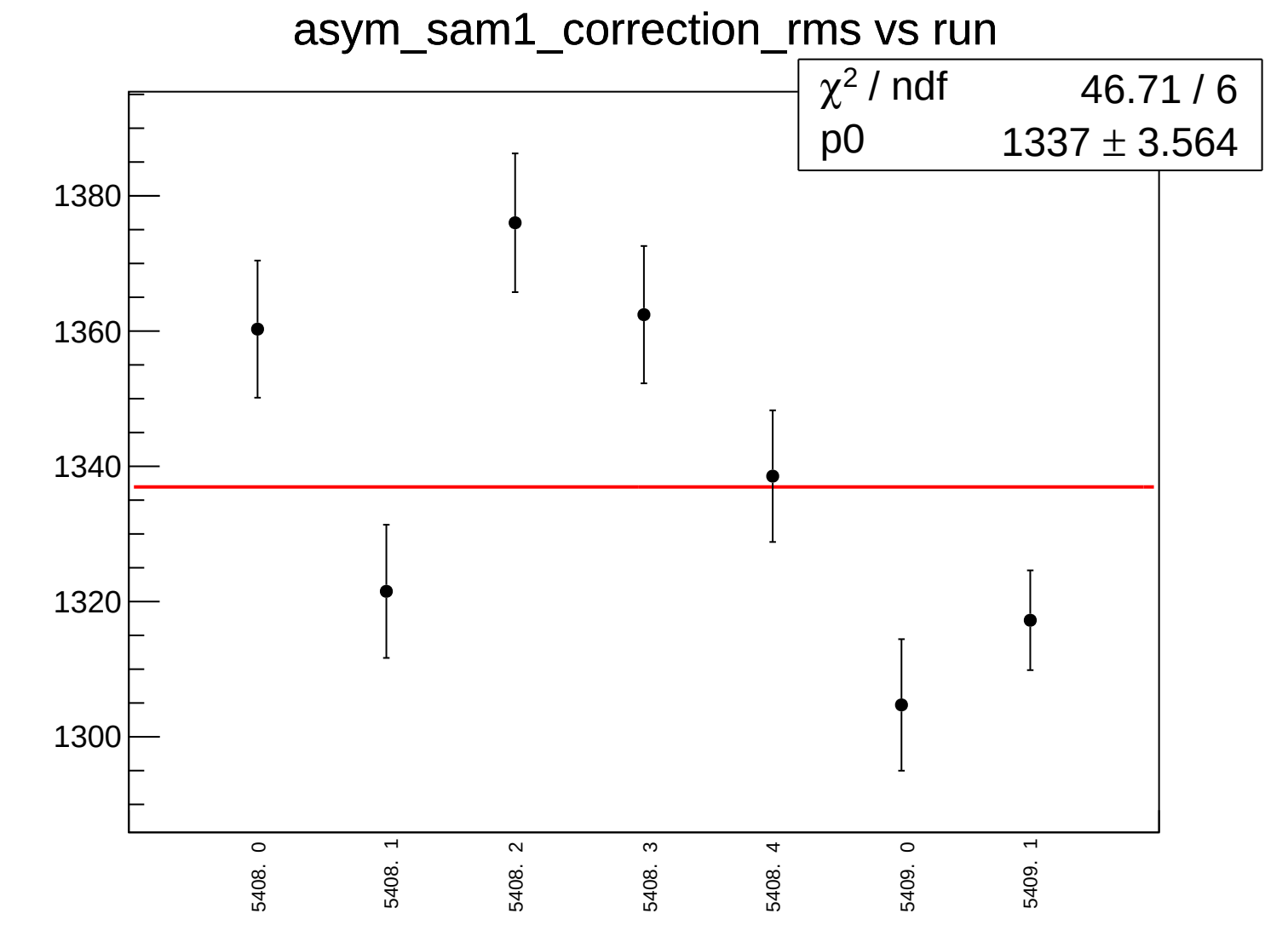

dit_asym_sam1_mean vs run
χ² / ndf 5.203 / 6
p0 2234 ± 2783
20000
15000
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.015
Std Dev 10.62
1
0.5
0
−0.5
−1
−1.5

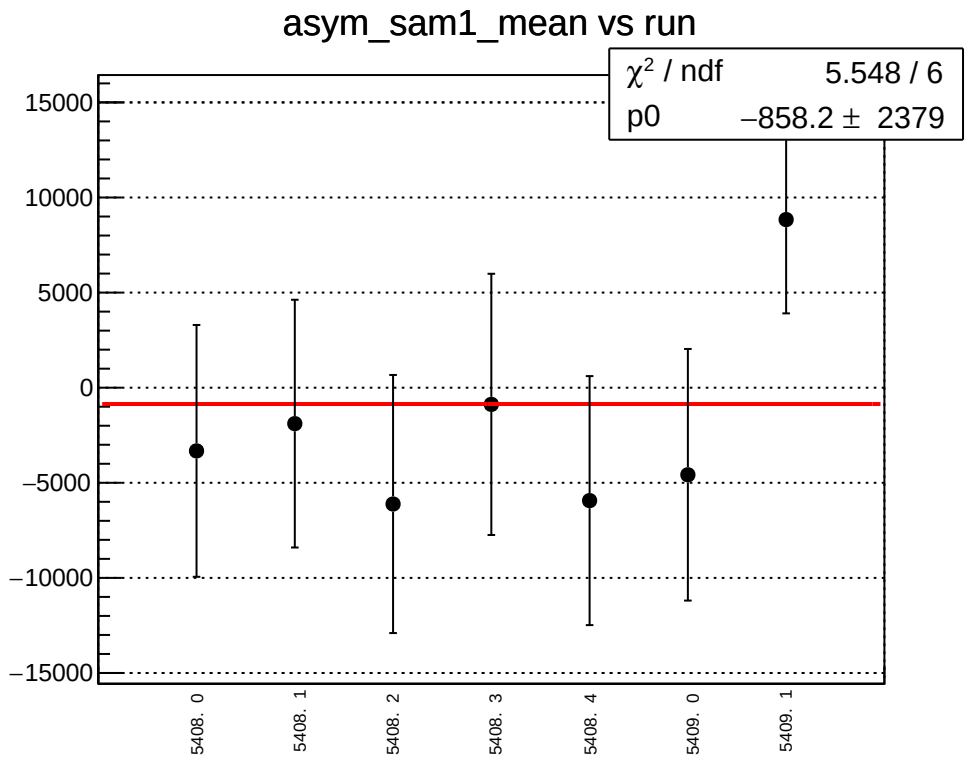

pull1D
Entries 7
Mean 0.07733
Std Dev 0.8587
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

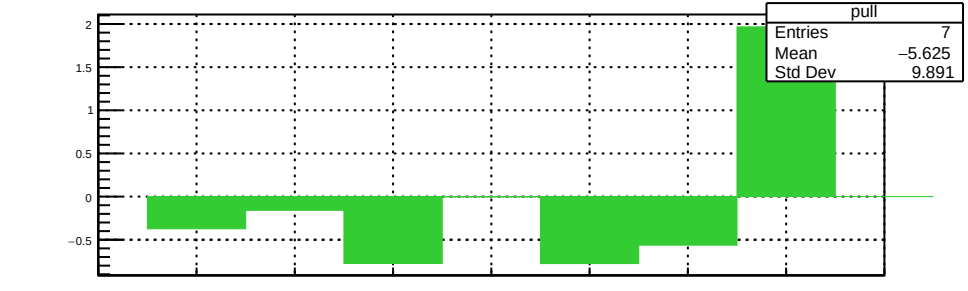

dit_asym_sam1_rms vs run
χ² / ndf 72.88 / 6
p0 738.1 ± 1.968
770
760
750
740
730
720
710
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

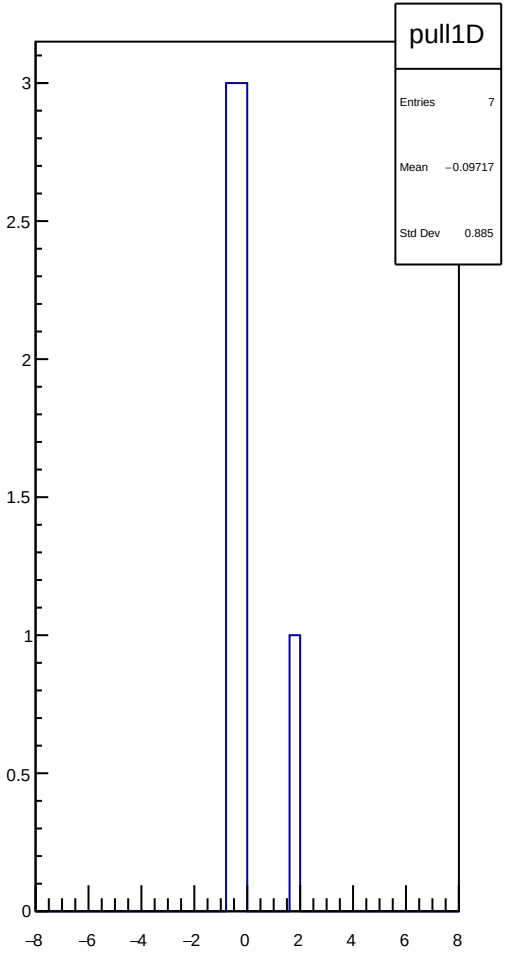

asym_sam1_correction_mean vs run
χ² / ndf 5.291 / 6
p0 3113 ± 5040
30000
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −6.388
Std Dev 10.32
0.5
0
−0.5
−1
−1.5

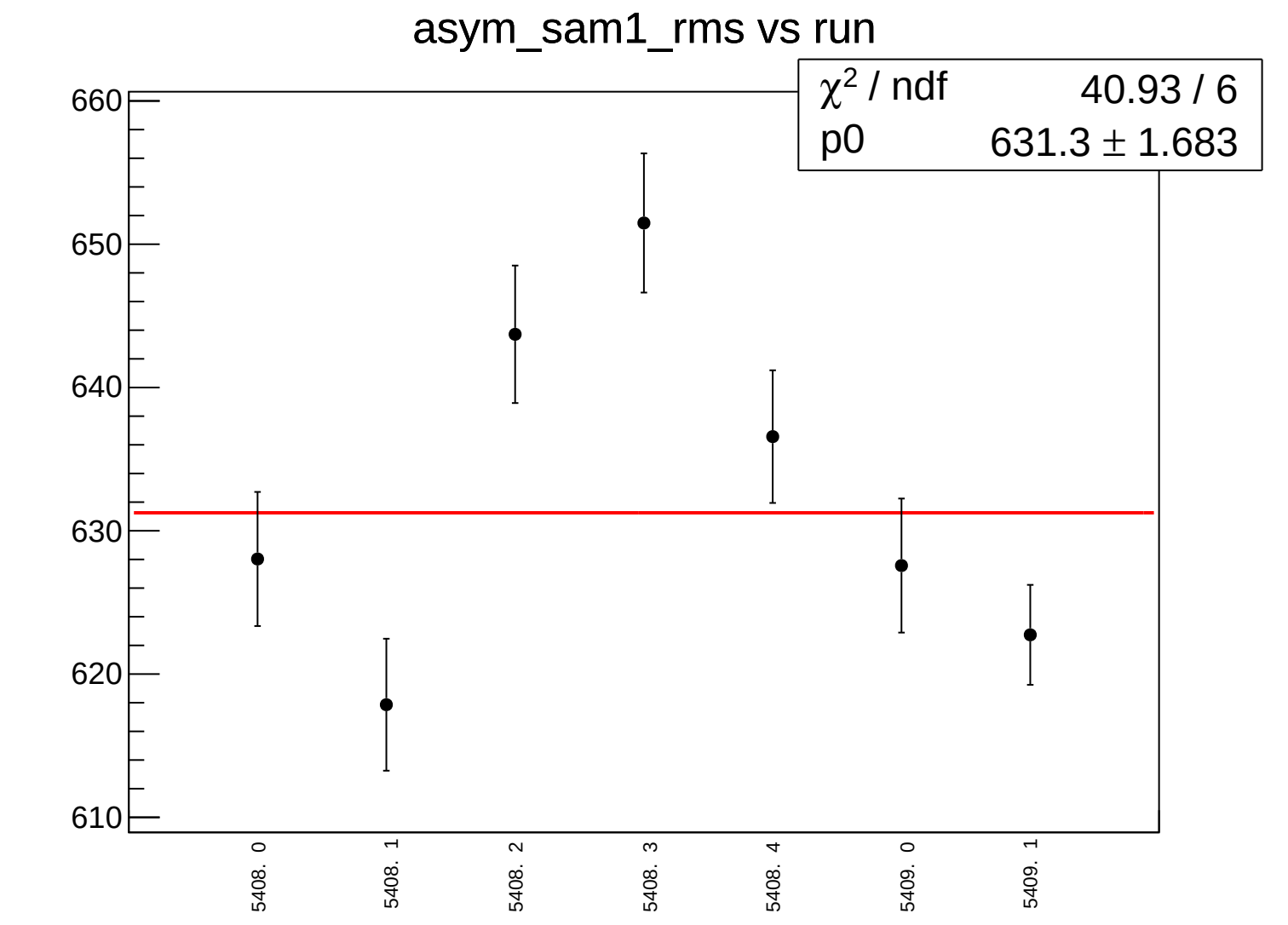

pull1D
Entries 7
Mean 0.08797
Std Dev 0.8649
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

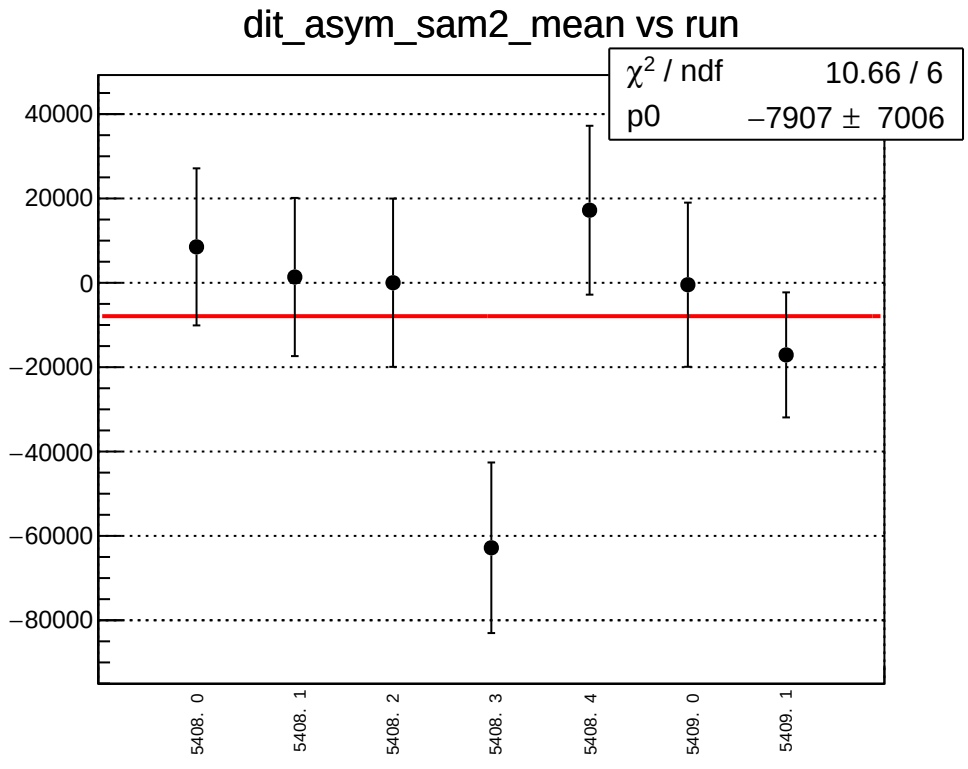

asym_sam1_correction_rms vs run
χ² / ndf 46.71 / 6
p0 1337 ± 3.564
1380
1360
1340
1320
1300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

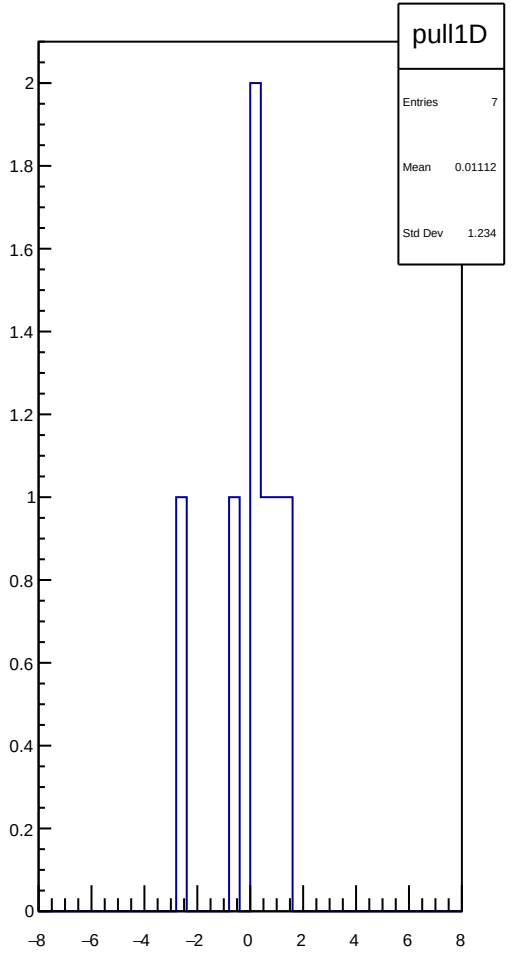

asym_sam1_mean vs run
χ² / ndf 5.548 / 6
p0 −858.2 ± 2379
15000
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

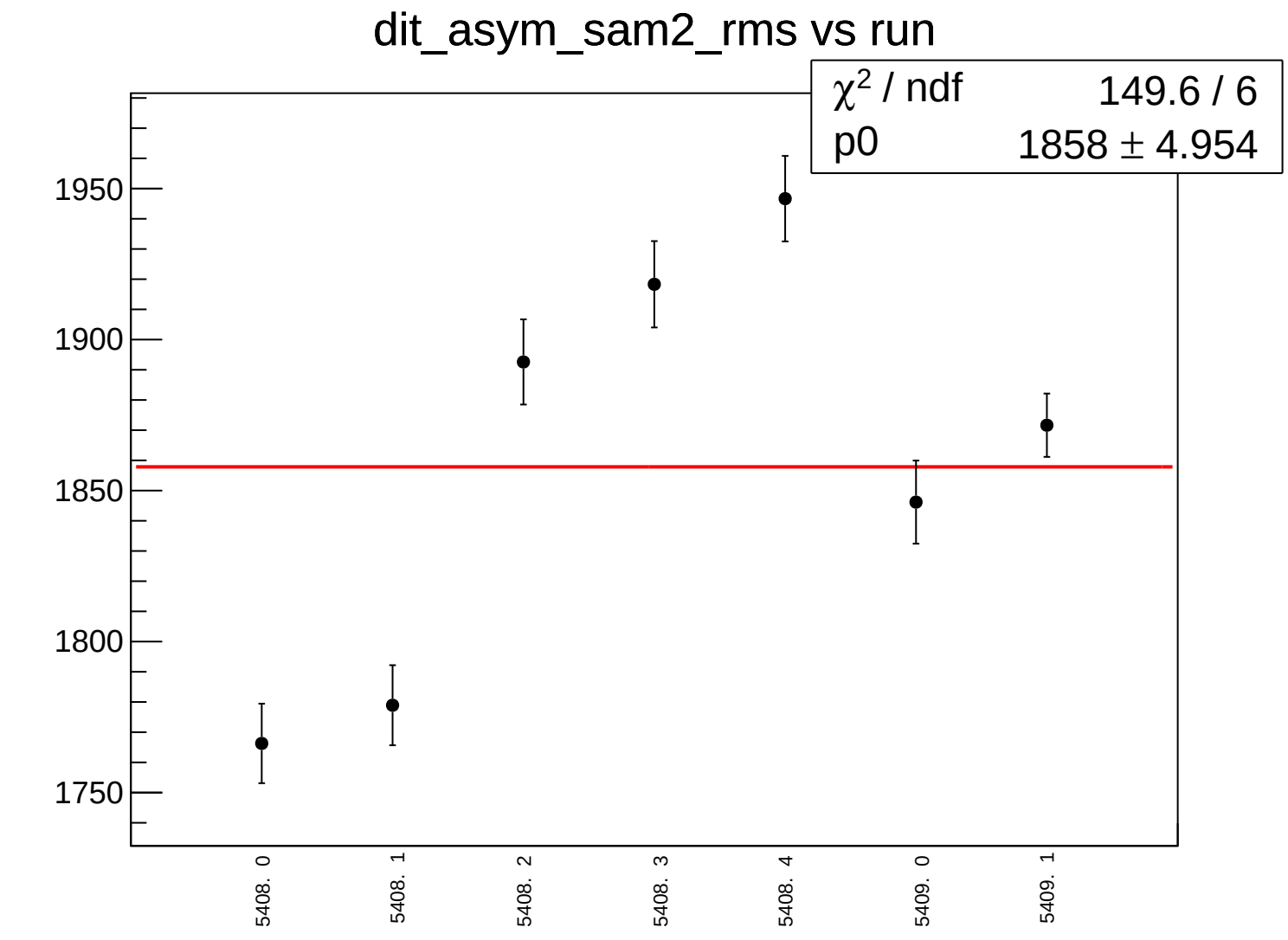

pull
Entries 7
Mean −5.625
Std Dev 9.891
2
1.5
1
0.5
0
−0.5

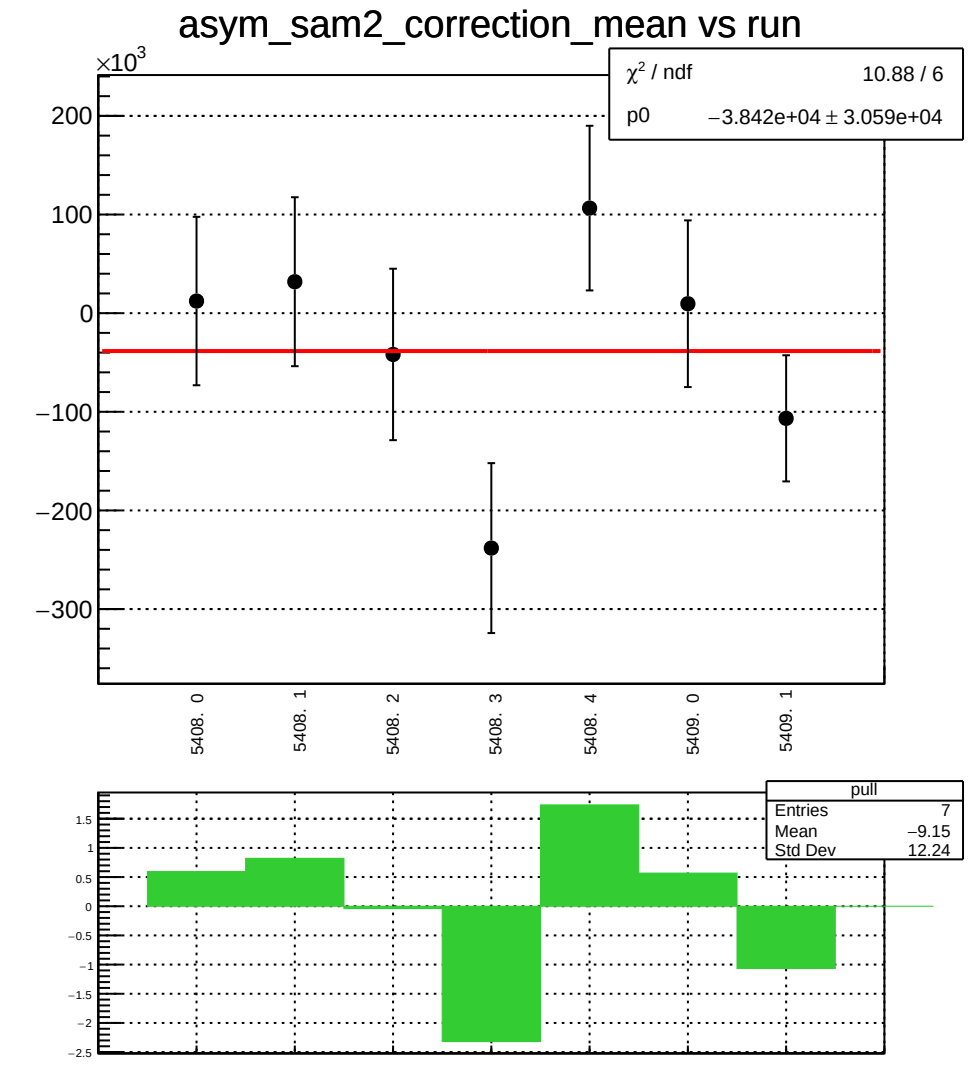

pull1D
Entries 7
Mean −0.09717
Std Dev 0.885
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

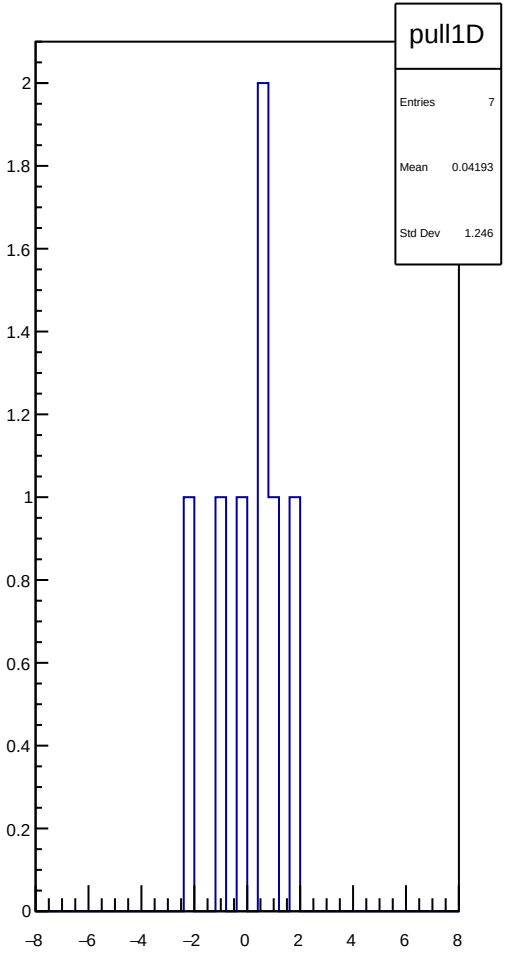

asym_sam1_rms vs run
χ² / ndf 40.93 / 6
p0 631.3 ± 1.683
660
650
640
630
620
610
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

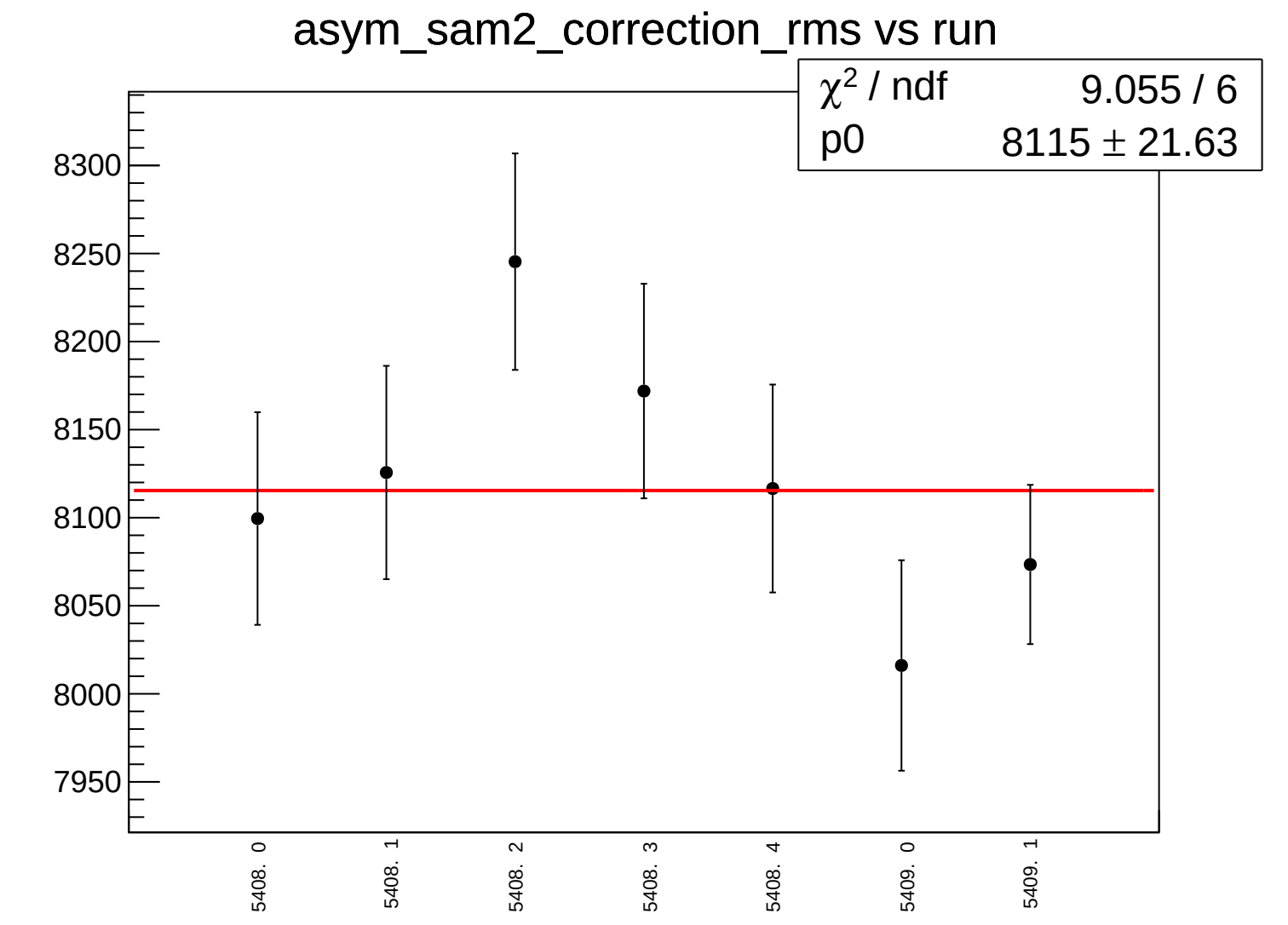

dit_asym_sam2_mean vs run
χ² / ndf 10.66 / 6
p0 −7907 ± 7006
40000
20000
0
−20000
−40000
−60000
−80000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −46.26
Std Dev 48.78
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

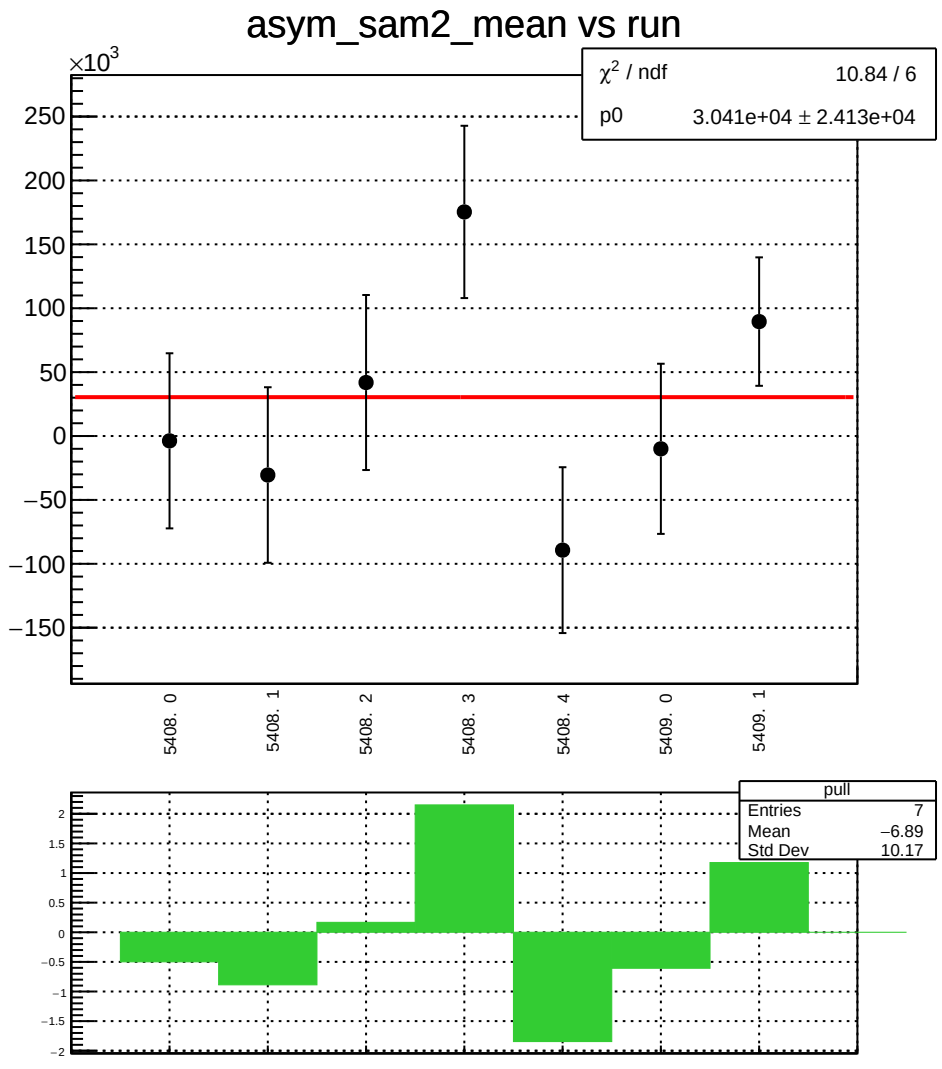

pull1D
Entries 7
Mean 0.01112
Std Dev 1.234
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

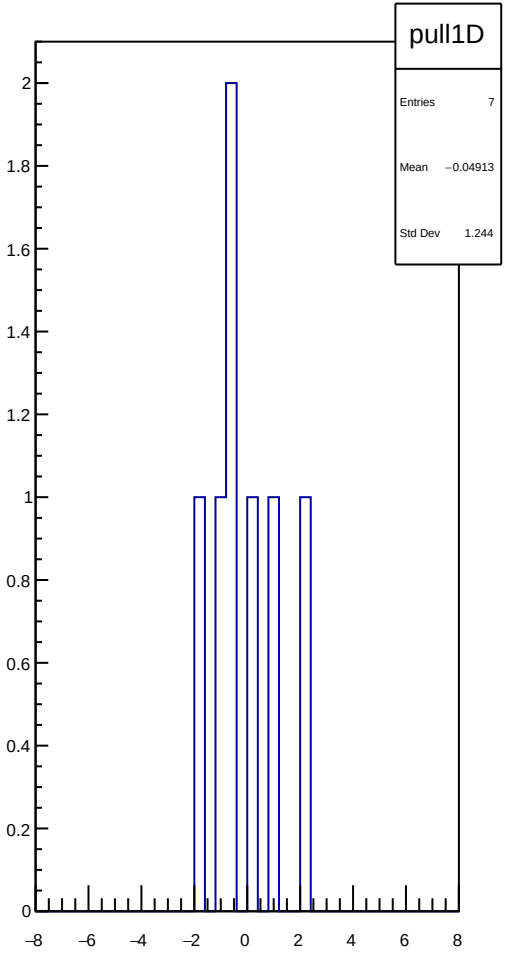

dit_asym_sam2_rms vs run
χ² / ndf 149.6 / 6
p0 1858 ± 4.954
1950
1900
1850
1800
1750
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

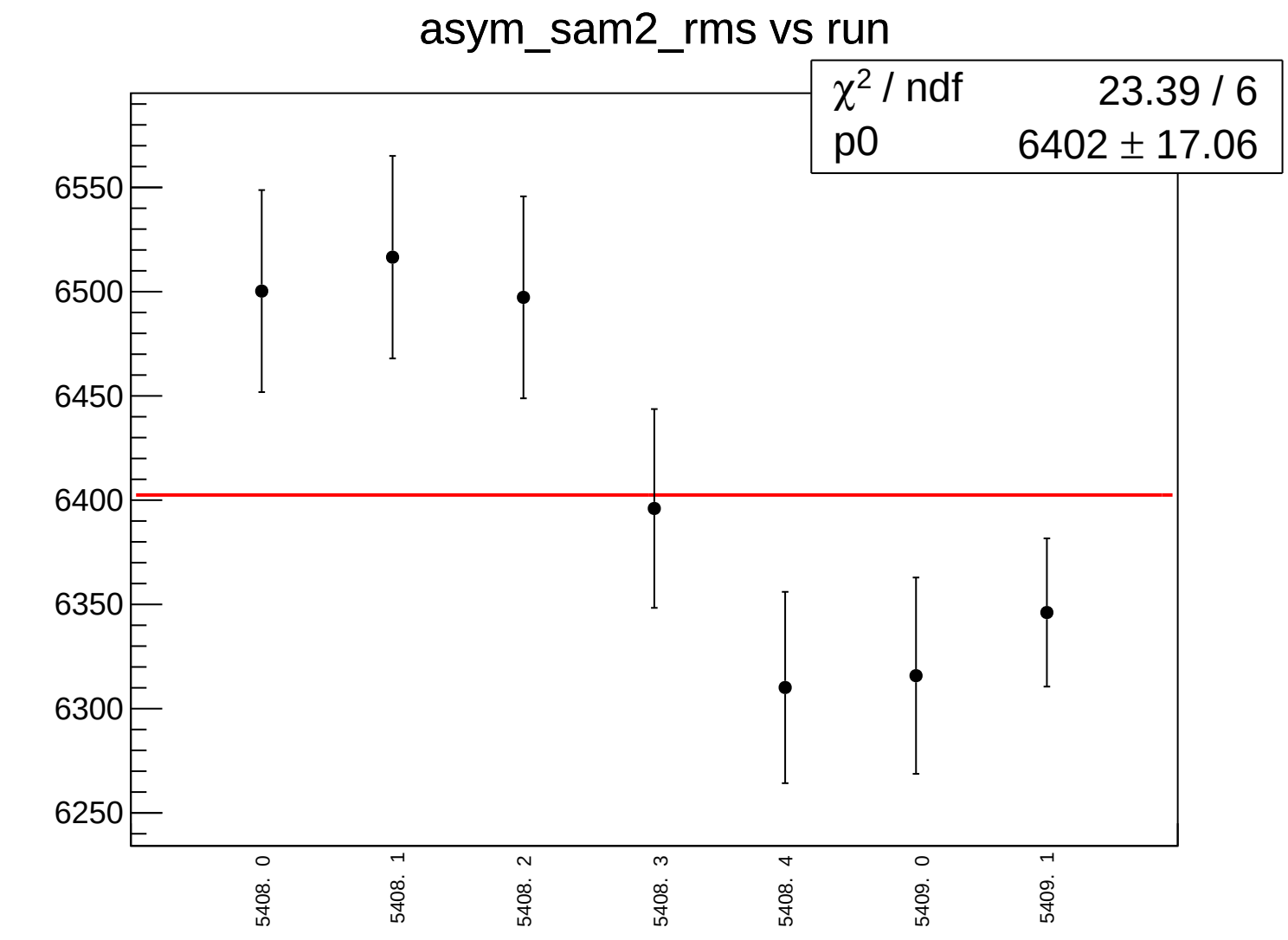

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 10.88 / 6
p0 −3.842e+04 ± 3.059e+04
200
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.15
Std Dev 12.24
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

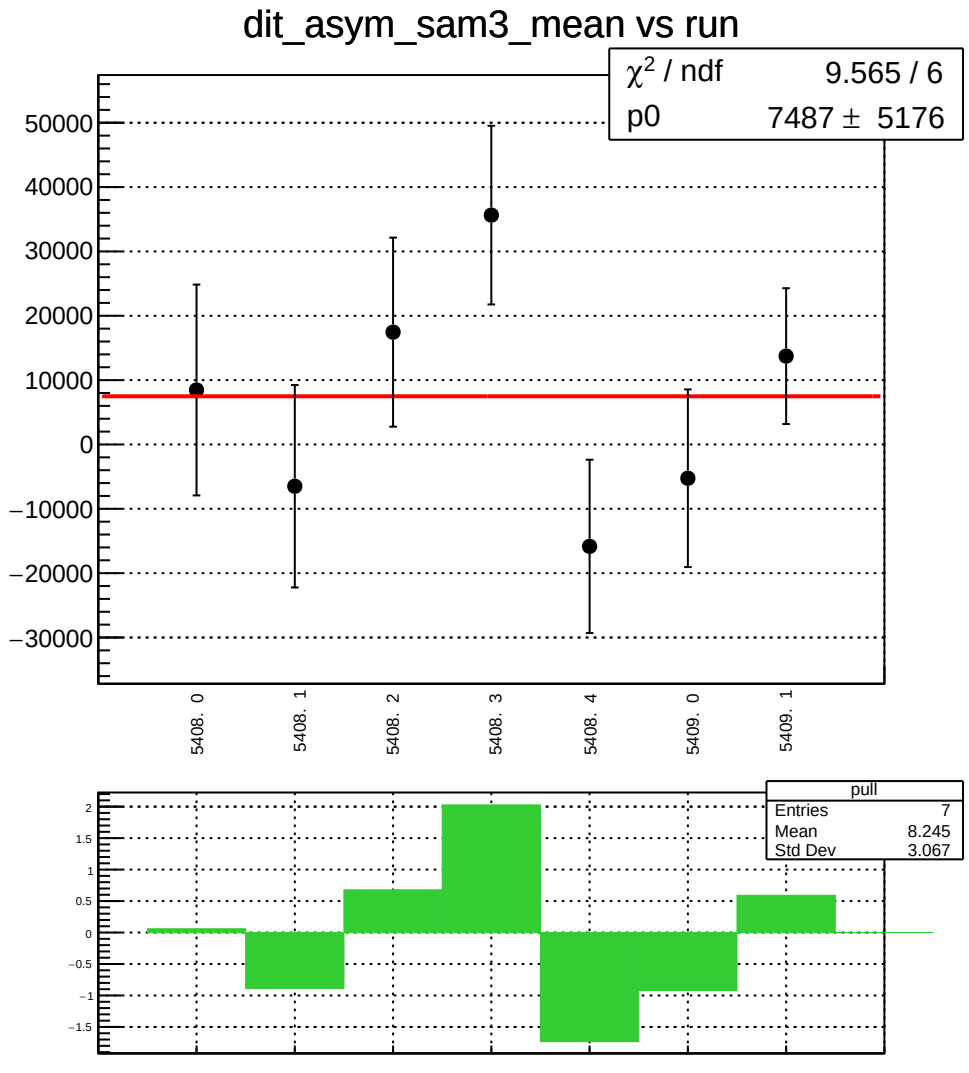

pull1D
Entries 7
Mean 0.04193
Std Dev 1.246
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

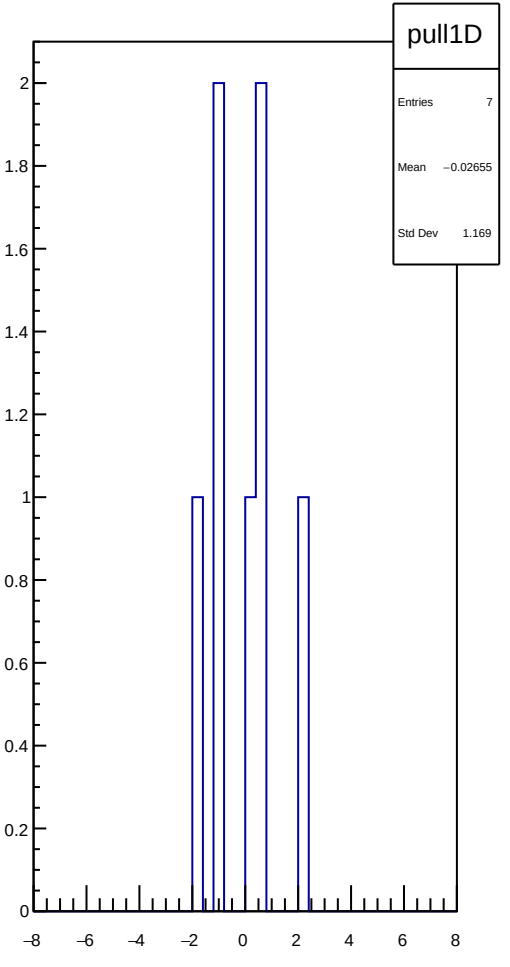

asym_sam2_correction_rms vs run
χ² / ndf 9.055 / 6
p0 8115 ± 21.63
8300
8250
8200
8150
8100
8050
8000
7950
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

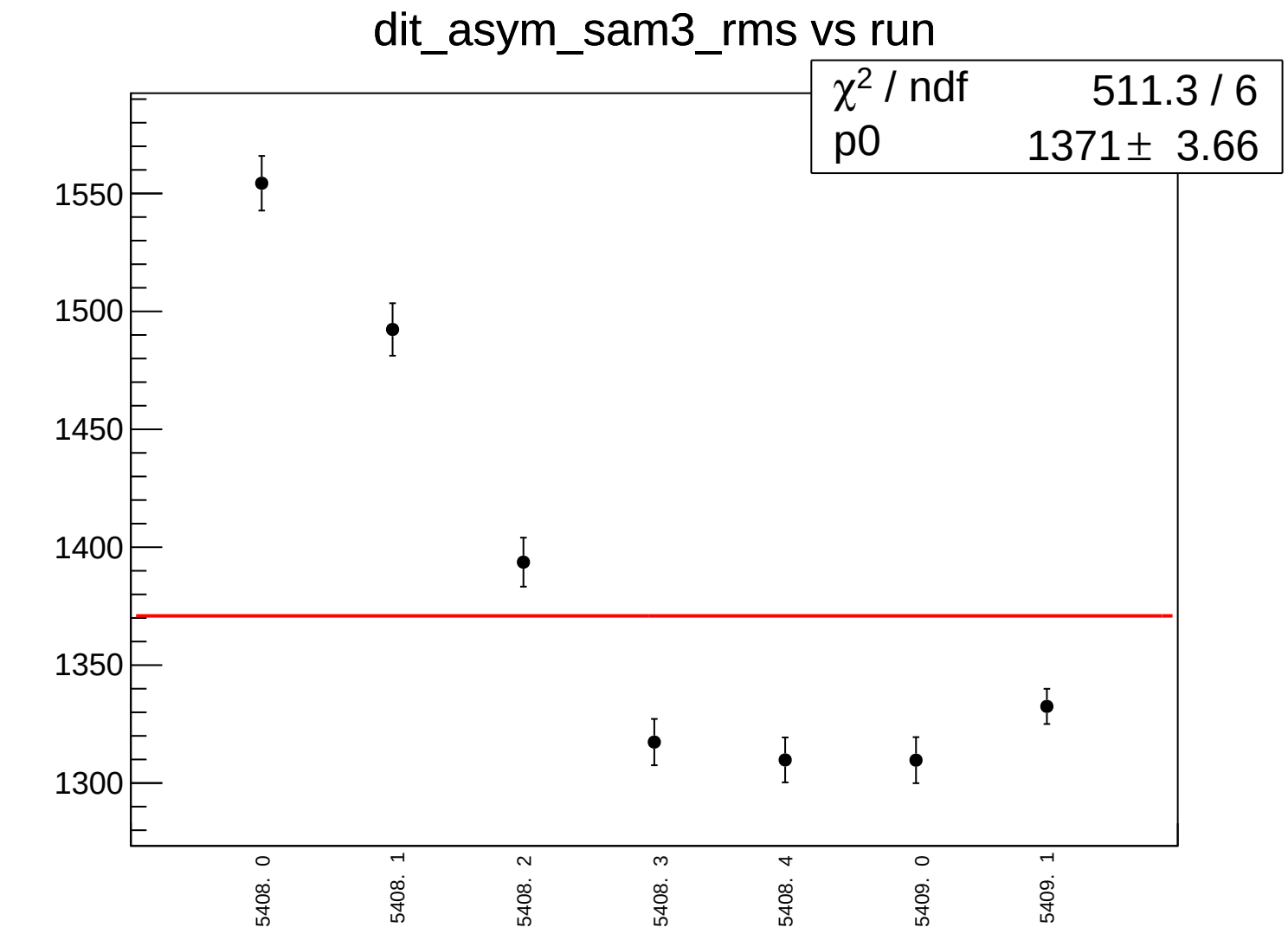

asym_sam2_mean vs run
×10^3
χ² / ndf 10.84 / 6
p0 3.041e+04 ± 2.413e+04
250
200
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −6.89
Std Dev 10.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

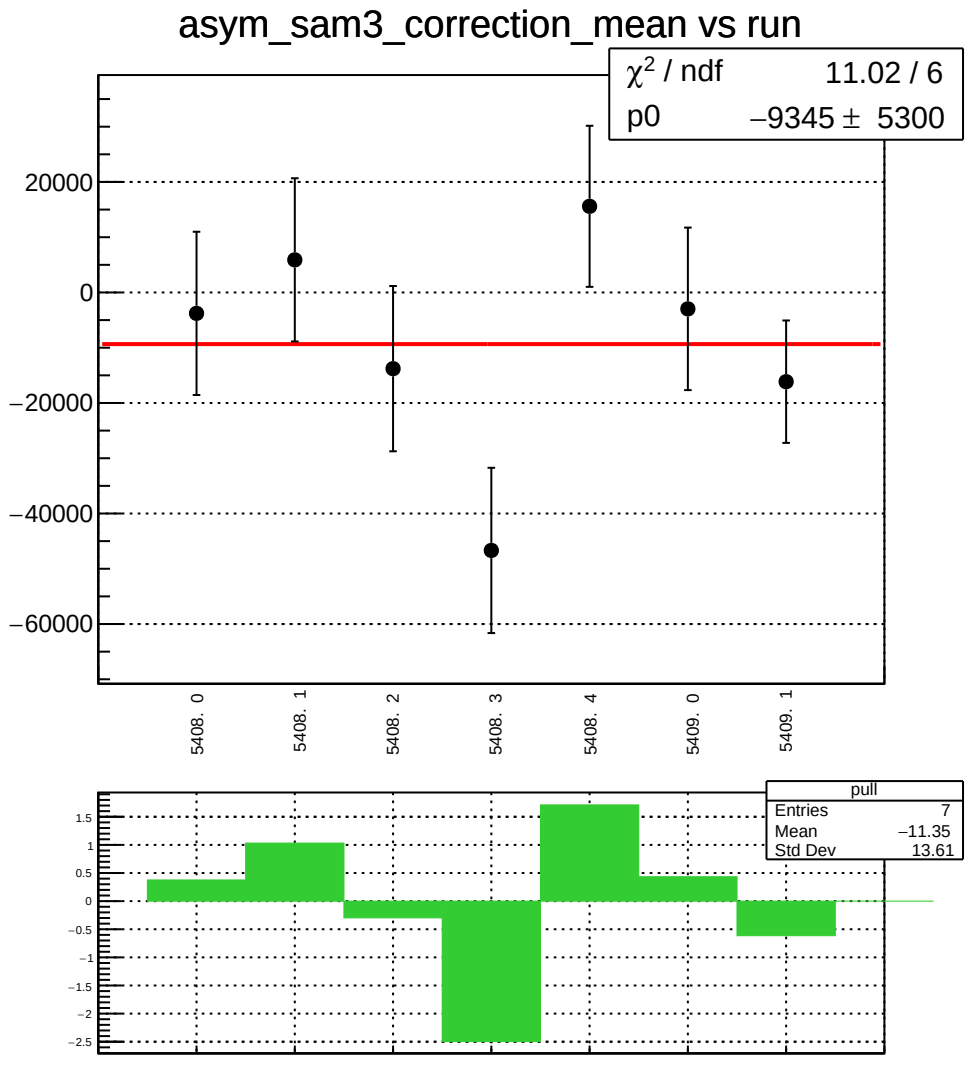

pull1D
Entries 7
Mean −0.04913
Std Dev 1.244
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

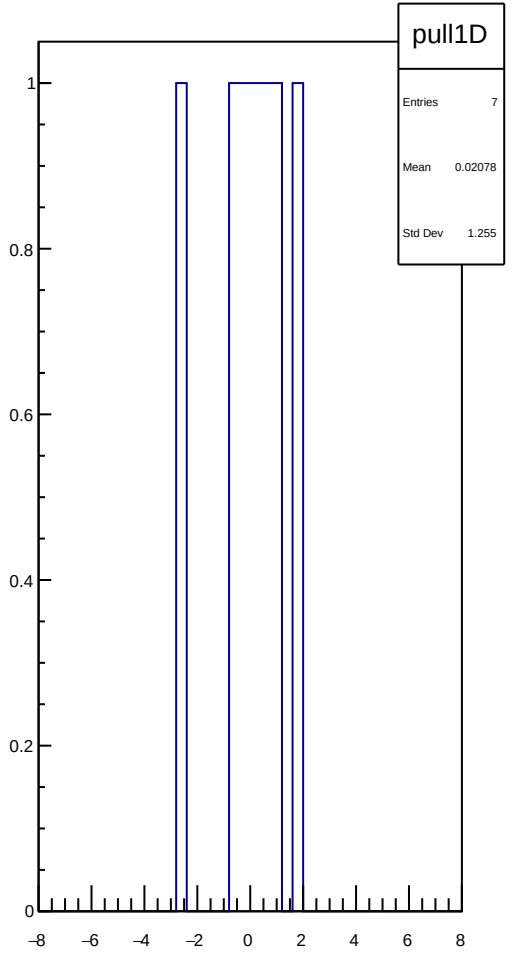

asym_sam2_rms vs run
χ² / ndf 23.39 / 6
p0 6402 ± 17.06
6550
6500
6450
6400
6350
6300
6250
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

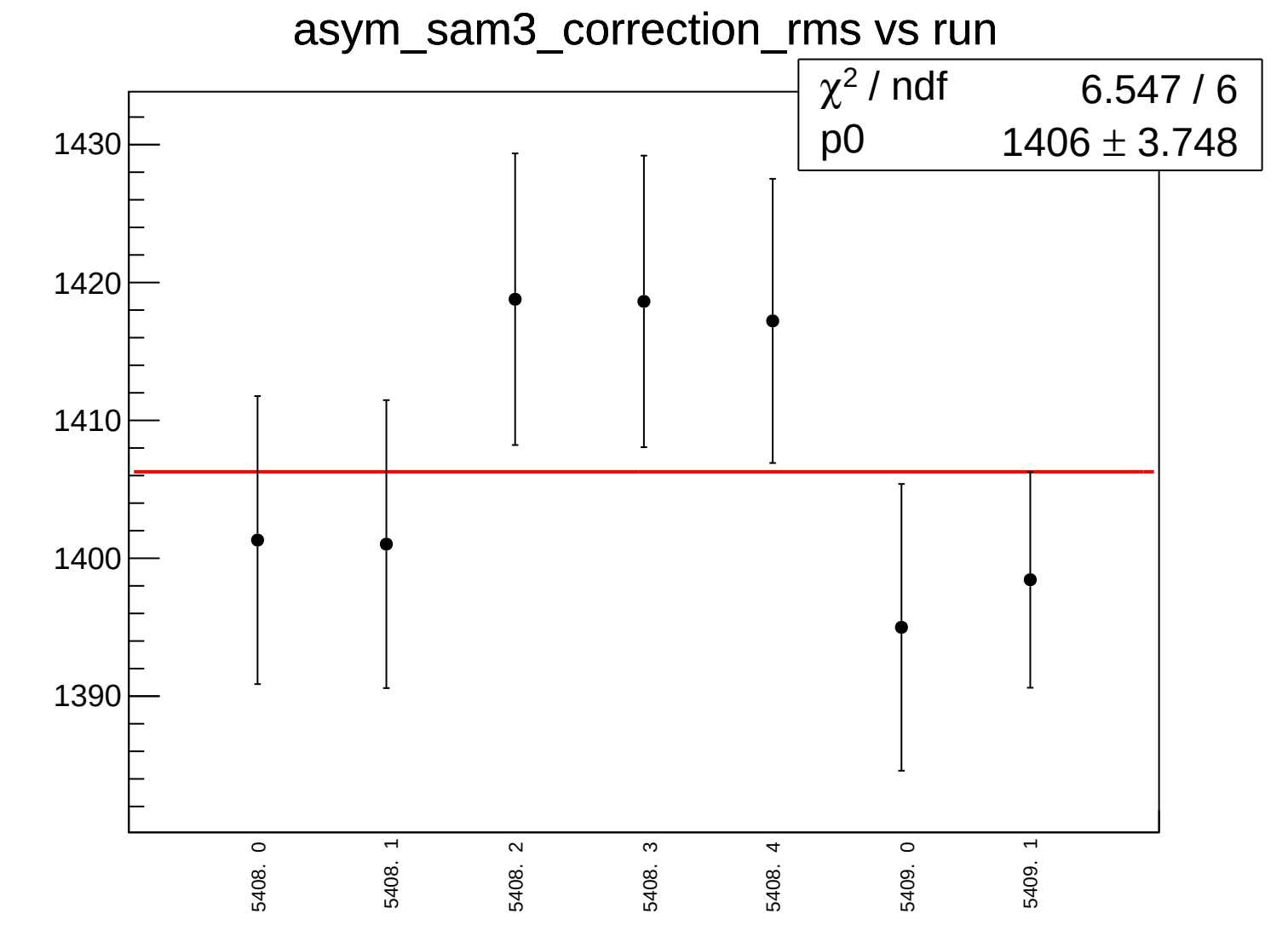

dit_asym_sam3_mean vs run
χ² / ndf 9.565 / 6
p0 7487 ± 5176
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.245
Std Dev 3.067
2
1.5
1
0.5
0
−0.5
−1
−1.5

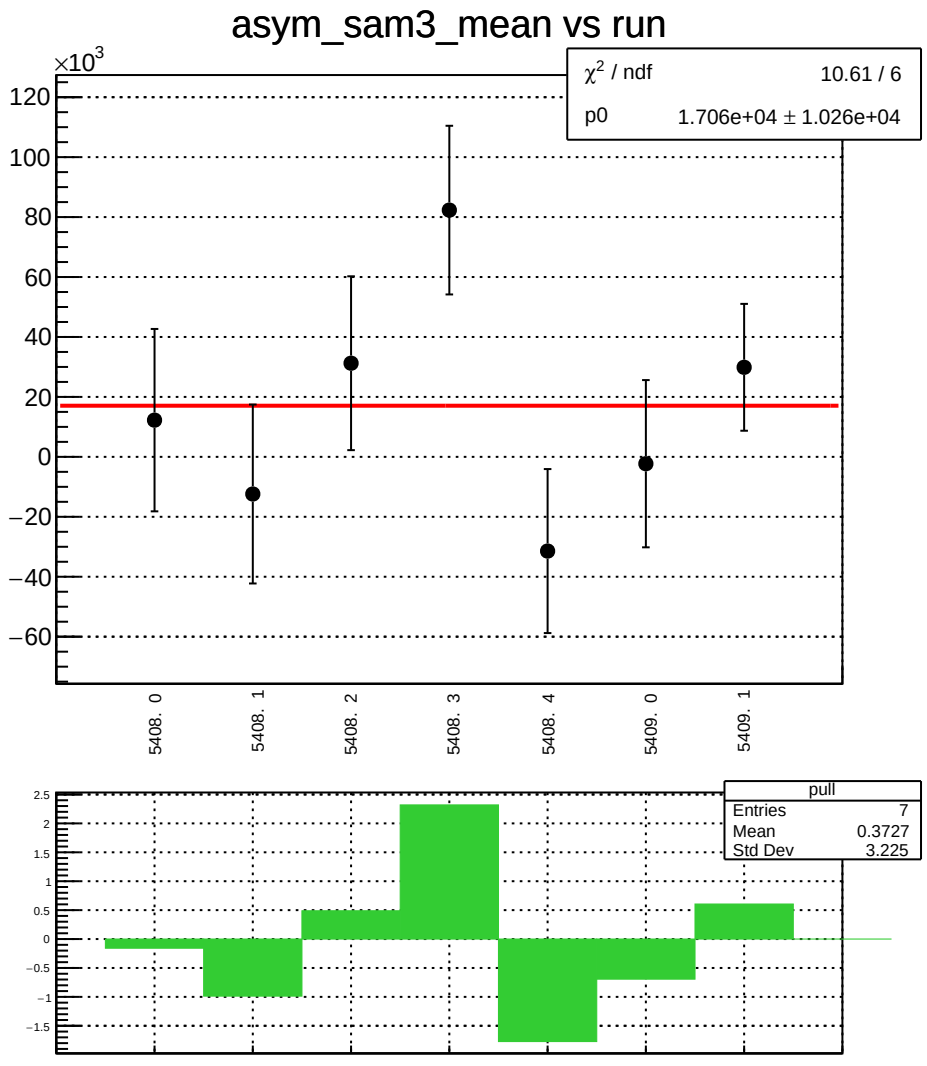

pull1D
Entries 7
Mean −0.02655
Std Dev 1.169
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

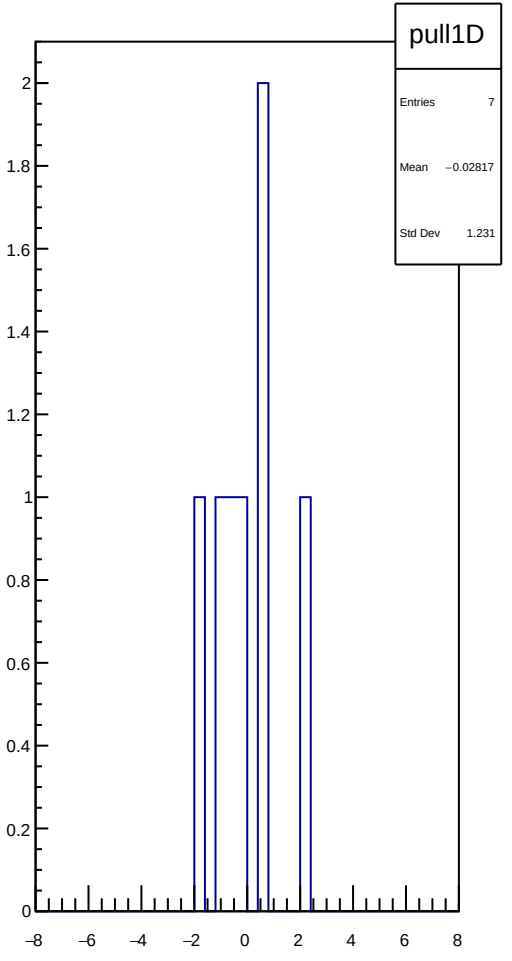

dit_asym_sam3_rms vs run
χ² / ndf 511.3 / 6
p0 1371 ± 3.66
1550
1500
1450
1400
1350
1300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

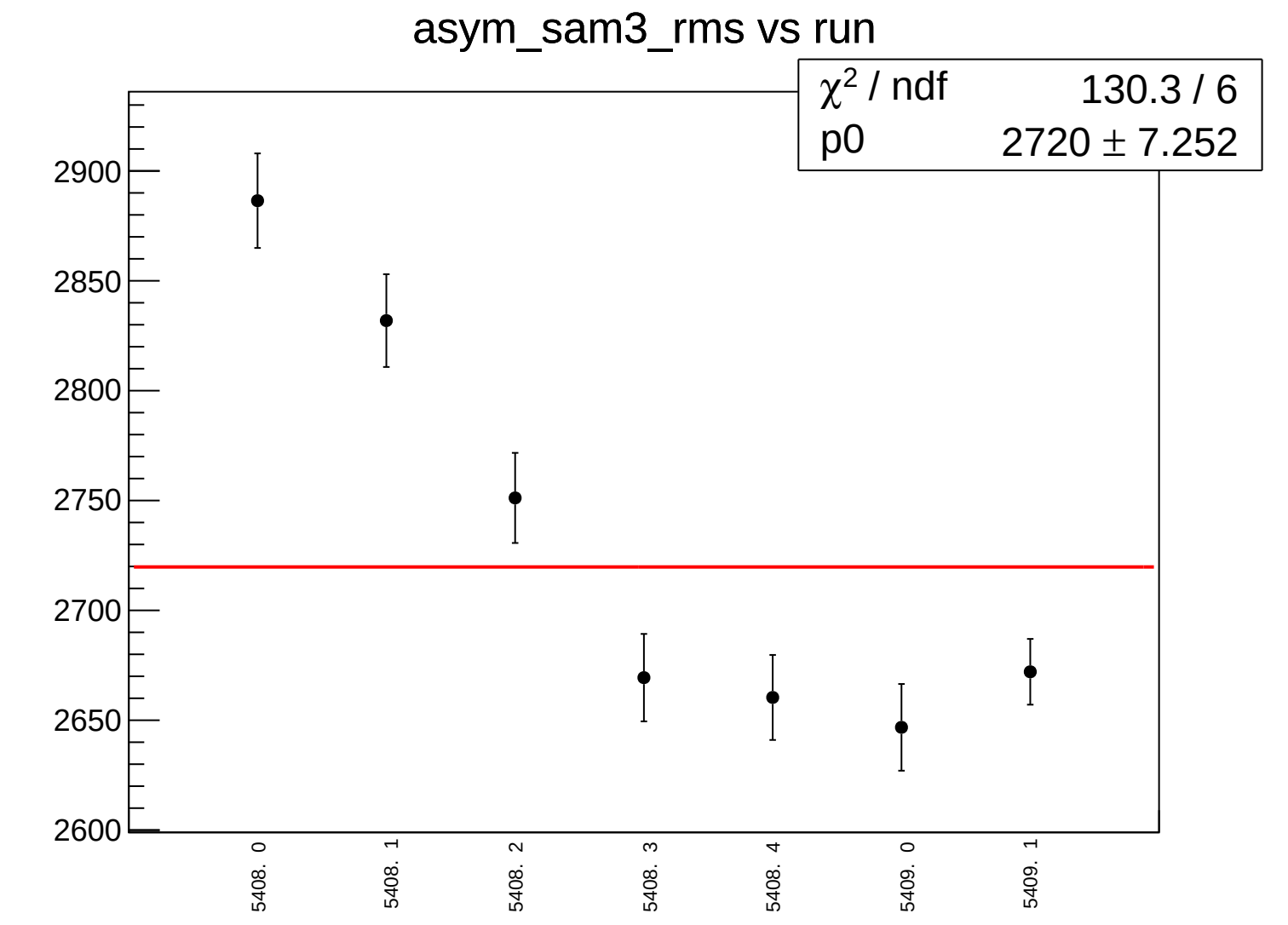

asym_sam3_correction_mean vs run
χ² / ndf 11.02 / 6
p0 −9345 ± 5300
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −11.35
Std Dev 13.61
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

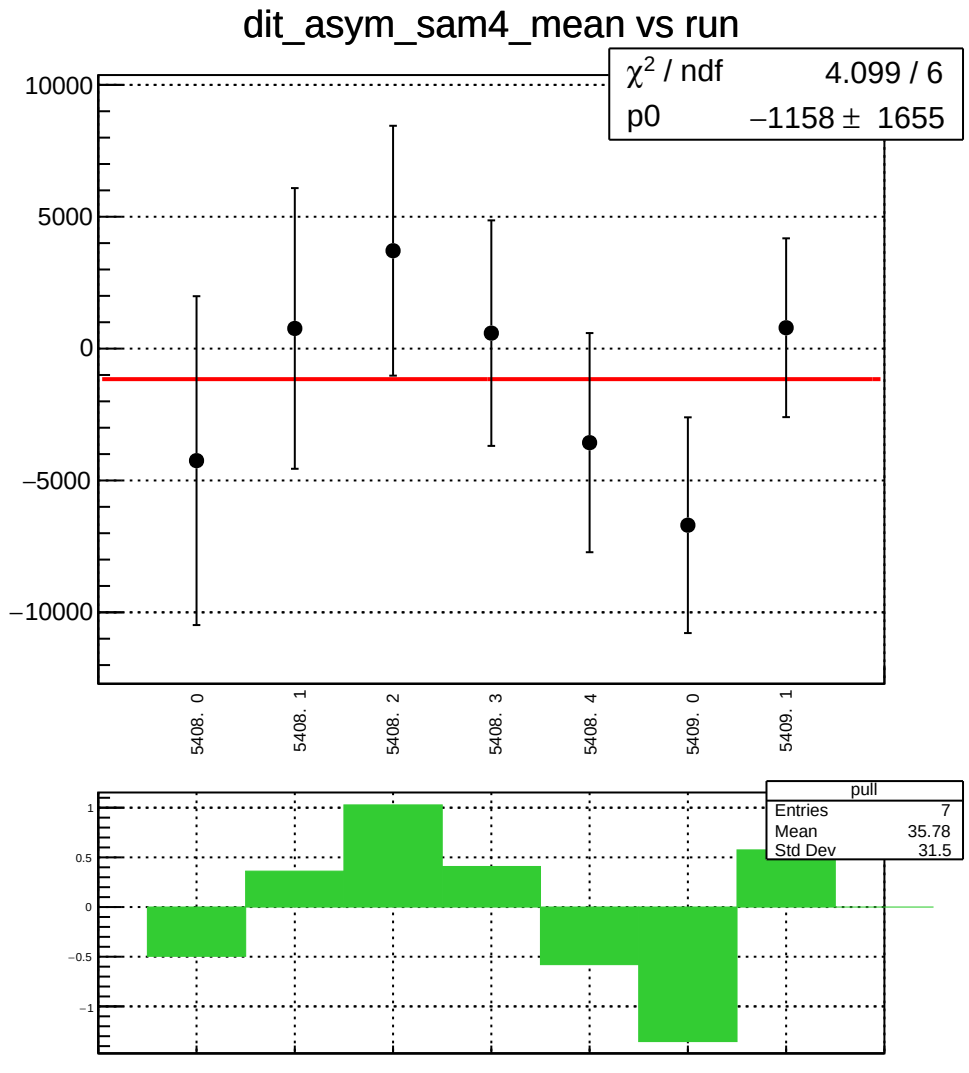

pull1D
Entries 7
Mean 0.02078
Std Dev 1.255
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

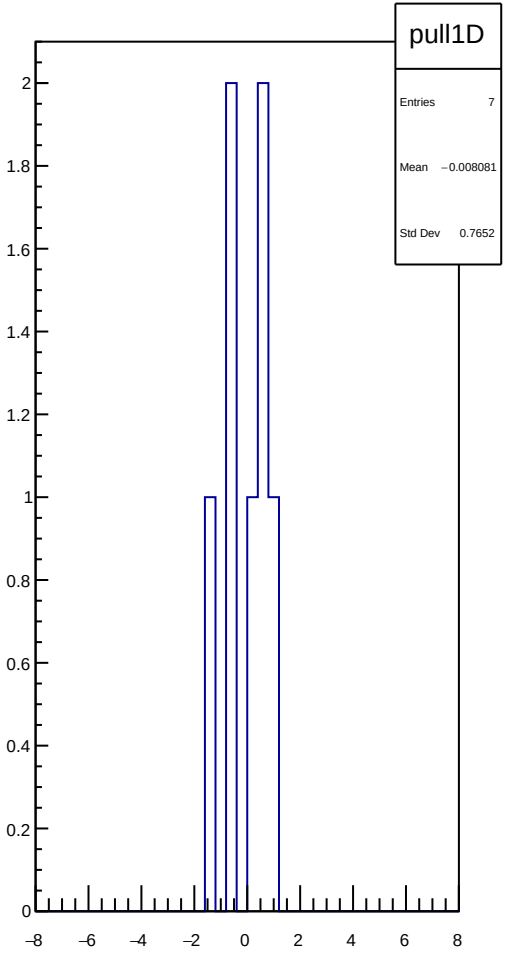

asym_sam3_correction_rms vs run
χ² / ndf 6.547 / 6
p0 1406 ± 3.748
1430
1420
1410
1400
1390
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

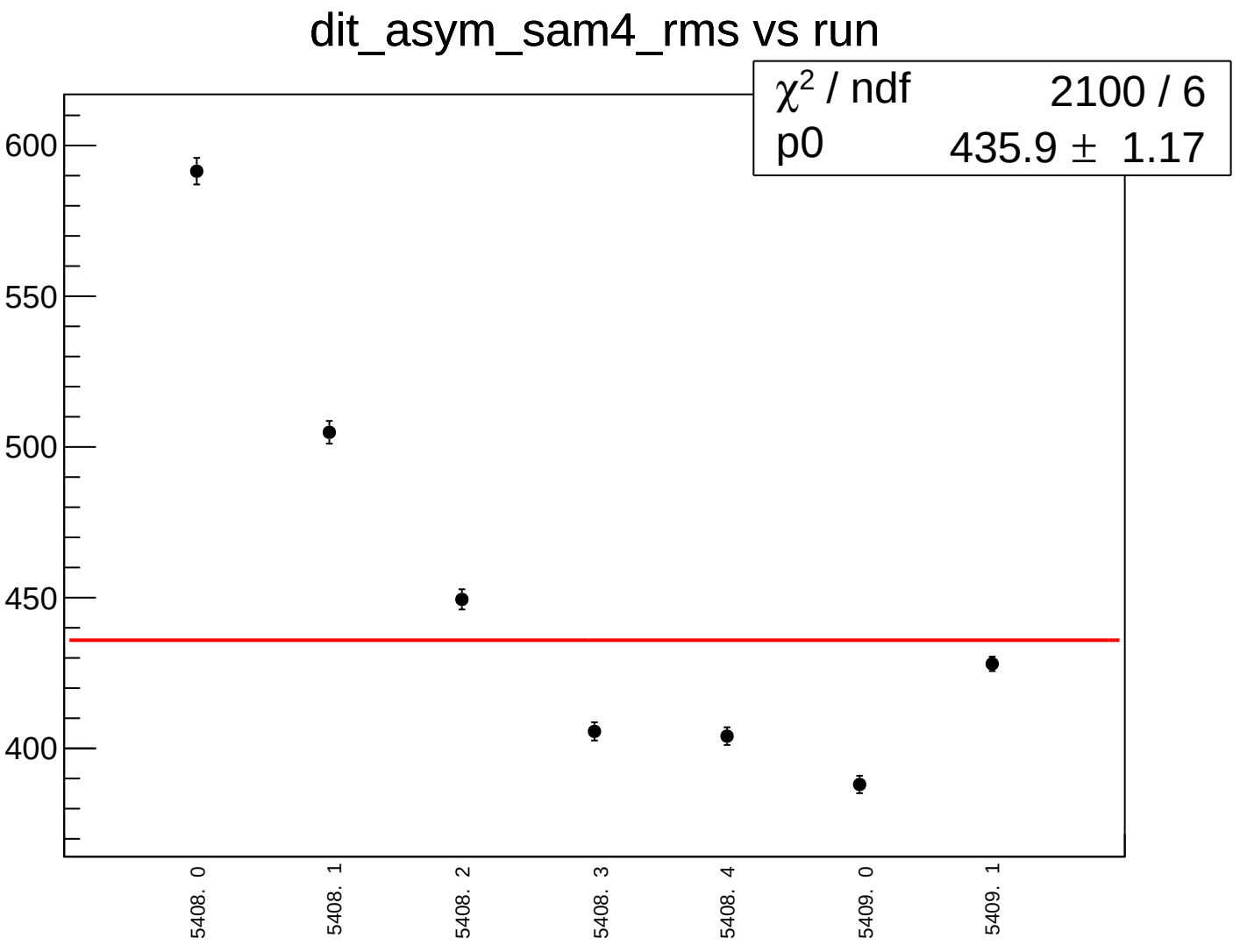

asym_sam3_mean vs run
×10^3
χ² / ndf 10.61 / 6
p0 1.706e+04 ± 1.026e+04
120
100
80
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.3727
Std Dev 3.225
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

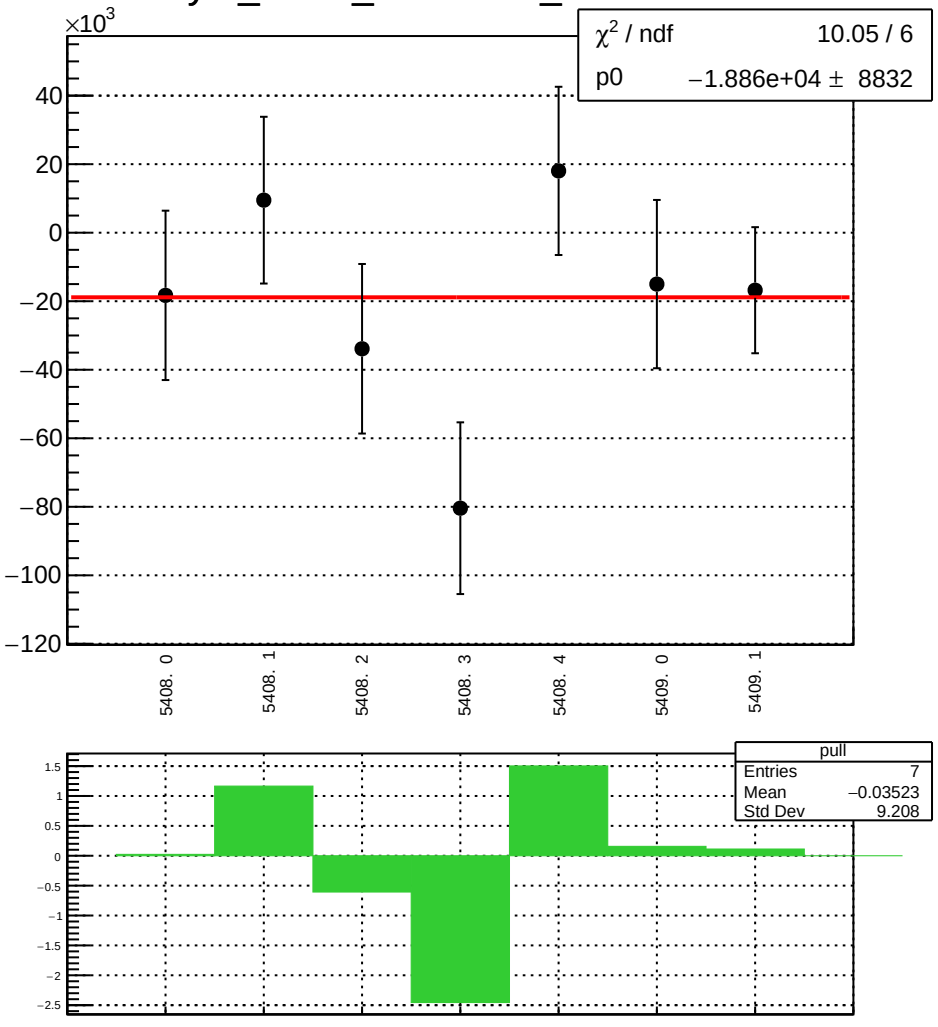

pull1D
Entries 7
Mean −0.02817
Std Dev 1.231
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

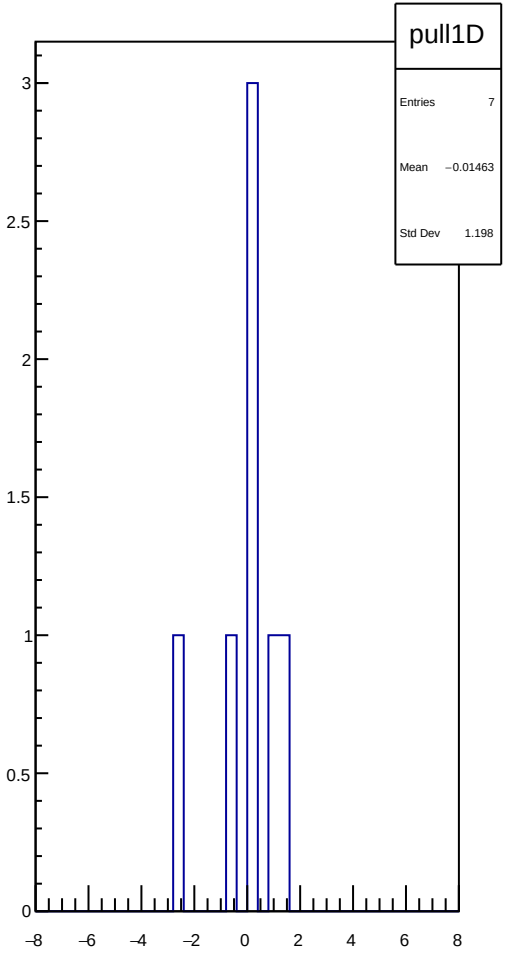

asym_sam3_rms vs run
χ² / ndf 130.3 / 6
p0 2720 ± 7.252
2900
2850
2800
2750
2700
2650
2600
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

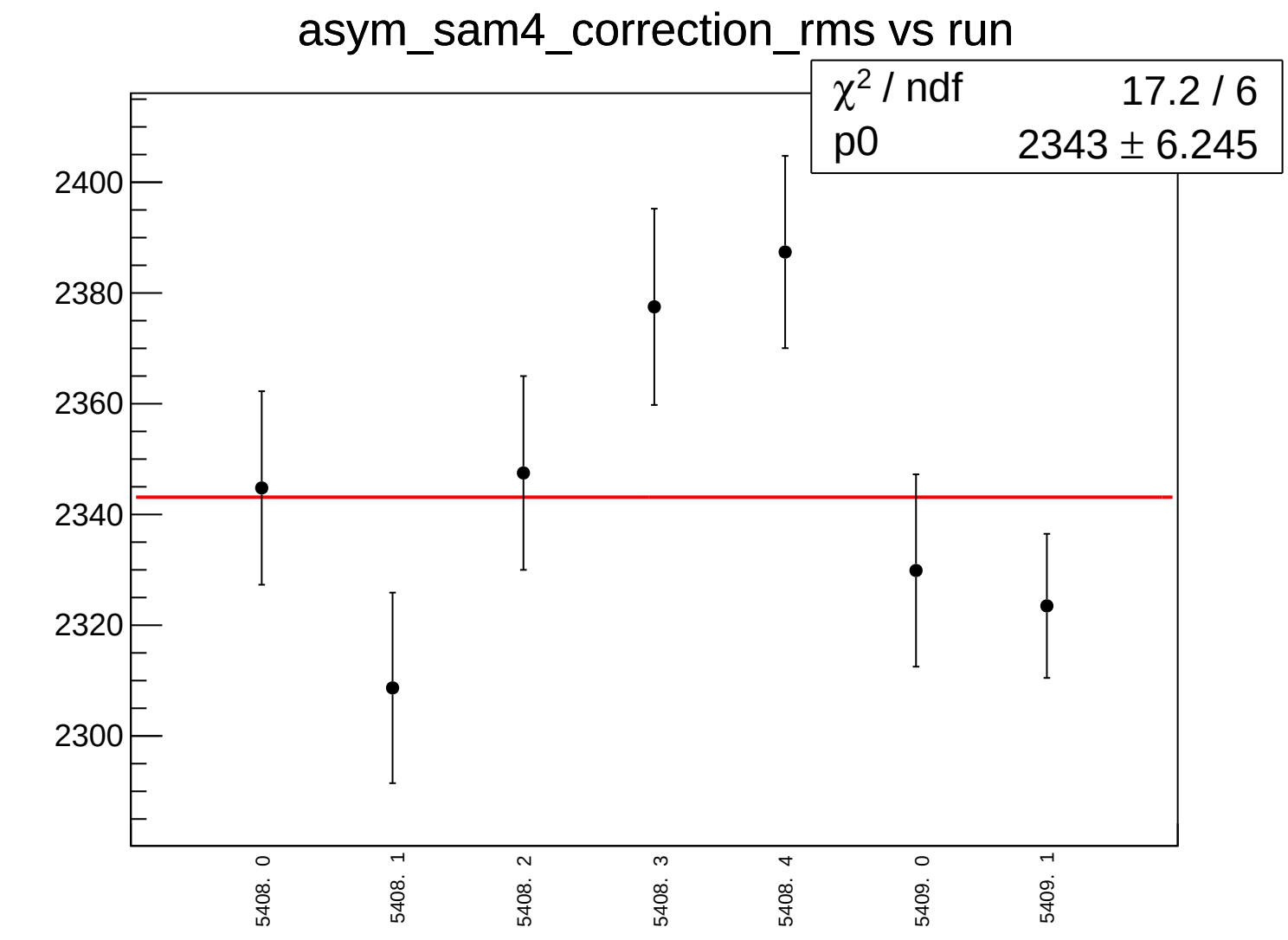

dit_asym_sam4_mean vs run
χ² / ndf 4.099 / 6
p0 −1158 ± 1655
10000
5000
0
−5000
−10000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 35.78
Std Dev 31.5
1
0.5
0
−0.5
−1

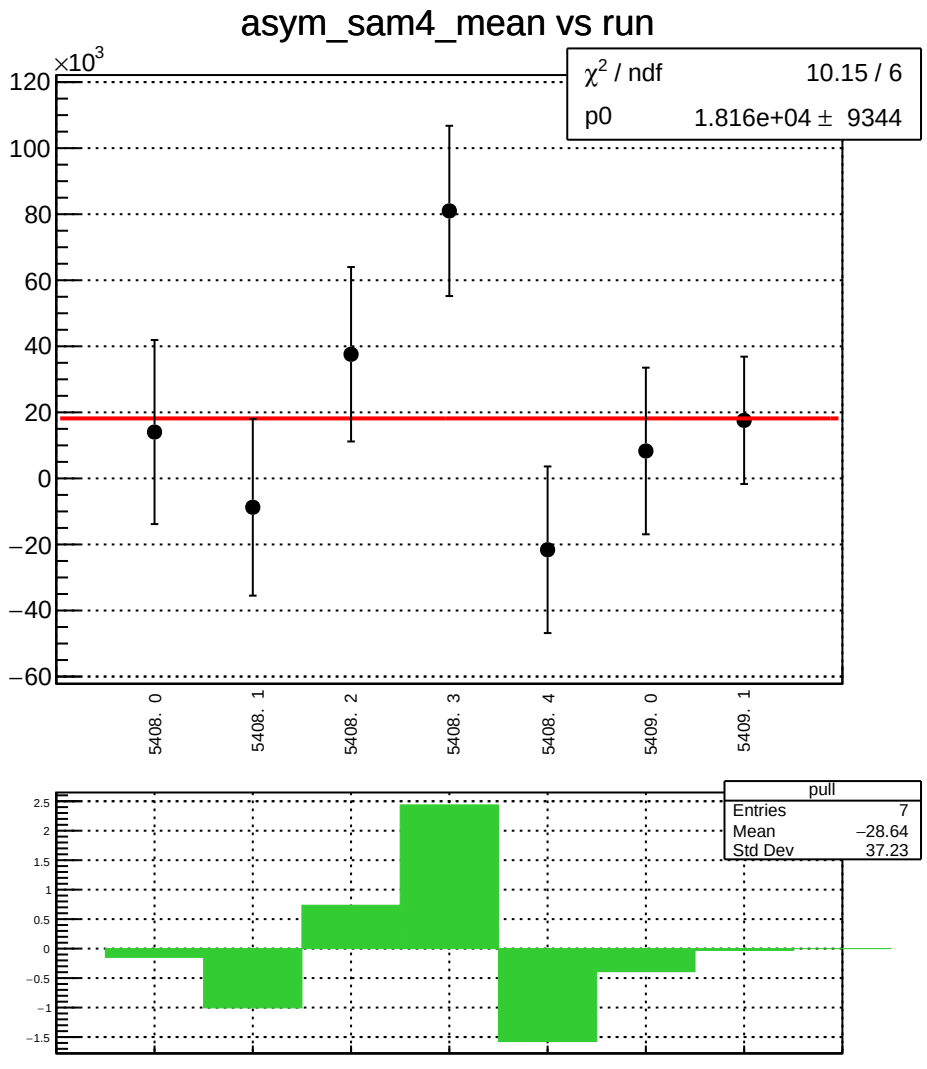

pull1D
Entries 7
Mean −0.008081
Std Dev 0.7652
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

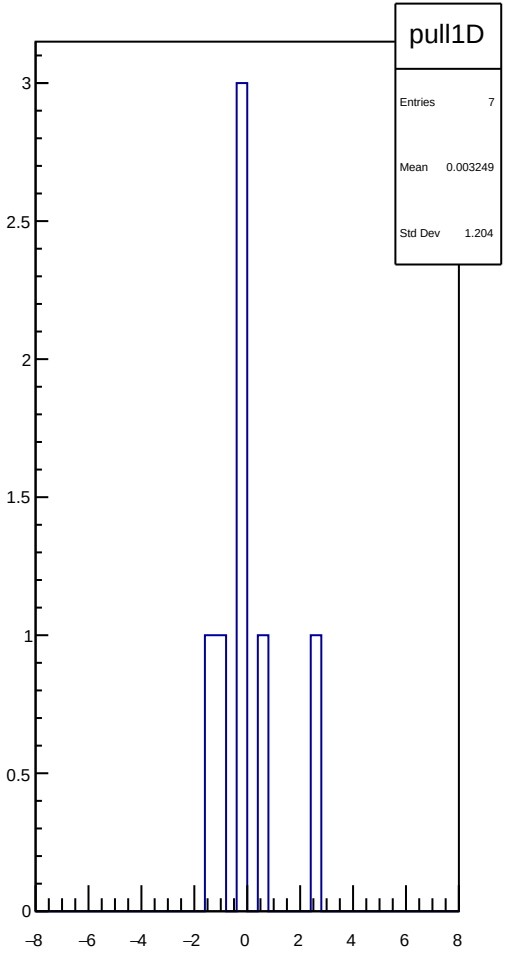

dit_asym_sam4_rms vs run
χ² / ndf 2100 / 6
p0 435.9 ± 1.17
600
550
500
450
400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

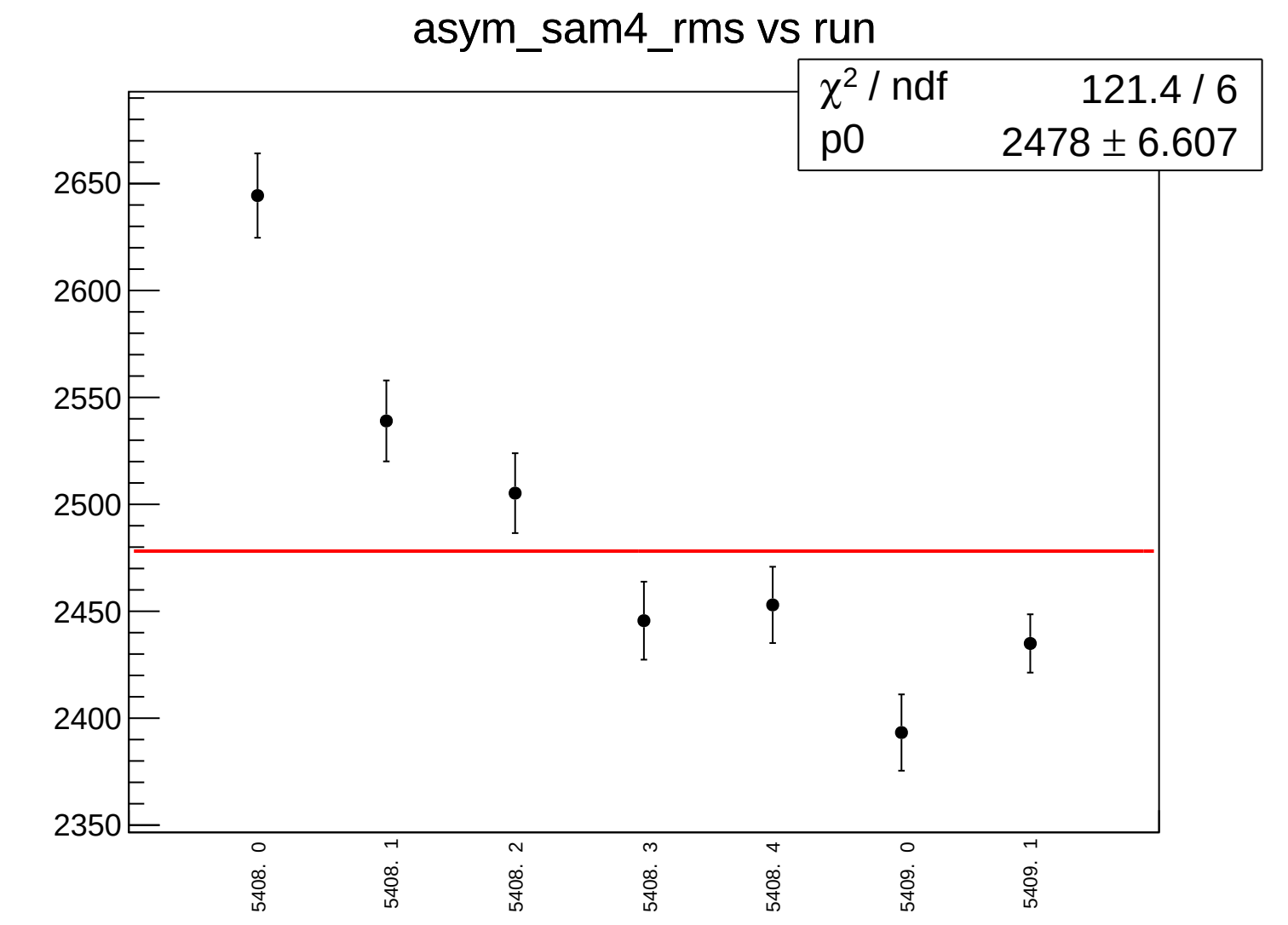

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 10.05 / 6
p0 −1.886e+04 ± 8832
40
20
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −0.03523
Std Dev 9.208
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

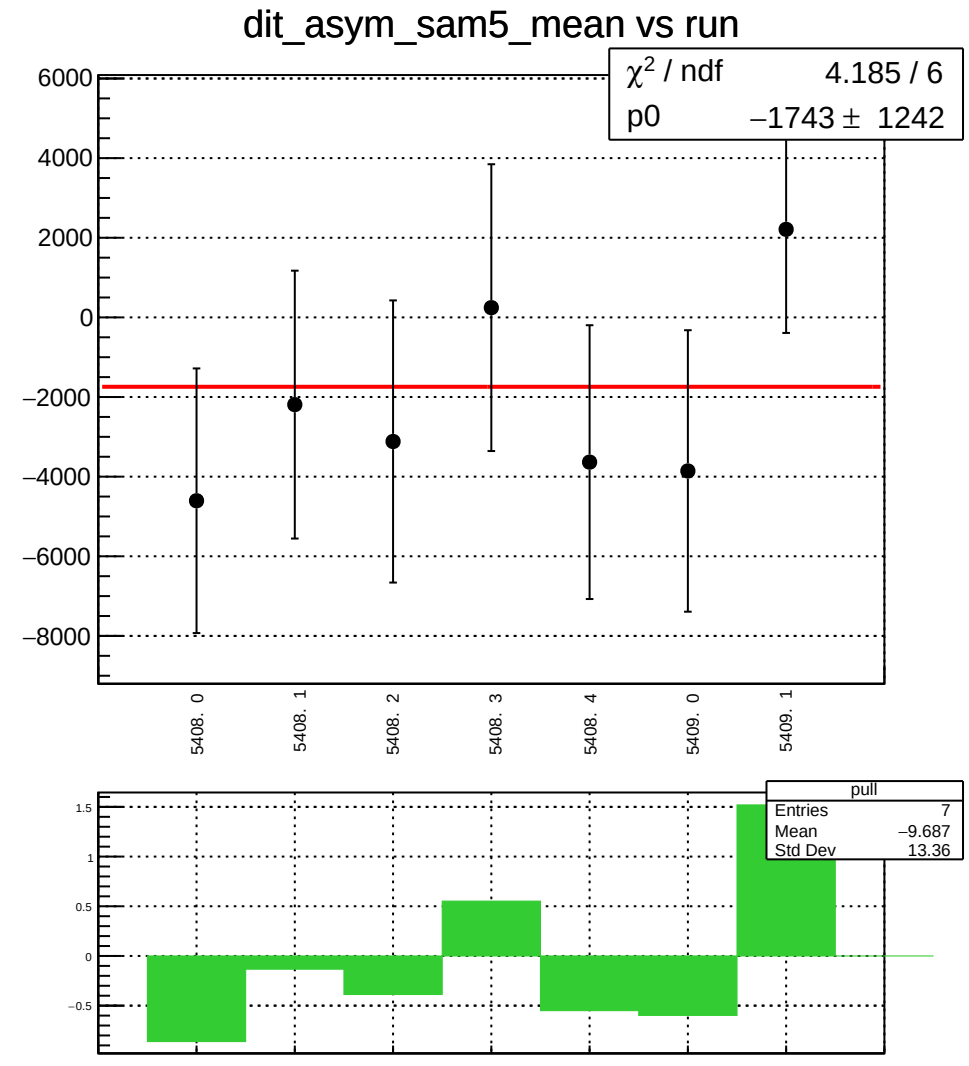

pull1D
Entries 7
Mean −0.01463
Std Dev 1.198
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

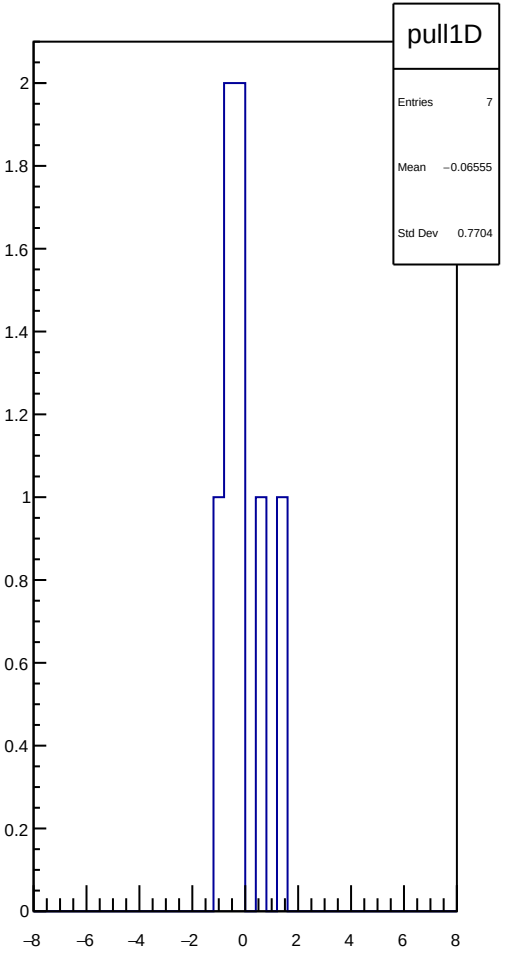

asym_sam4_correction_rms vs run
χ² / ndf 17.2 / 6
p0 2343 ± 6.245
2400
2380
2360
2340
2320
2300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

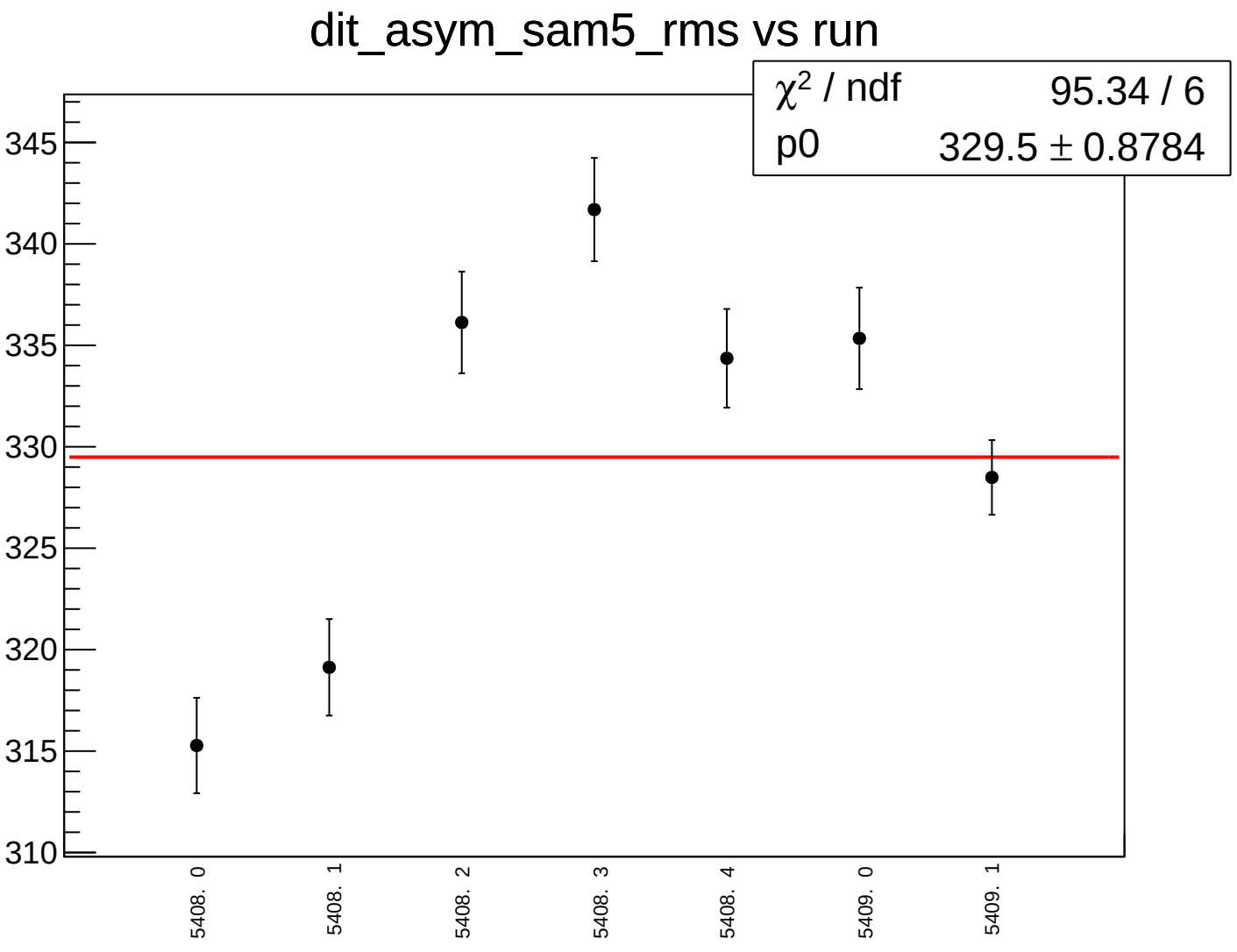

asym_sam4_mean vs run
×10^3
χ² / ndf 10.15 / 6
p0 1.816e+04 ± 9344
120
100
80
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −28.64
Std Dev 37.23
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

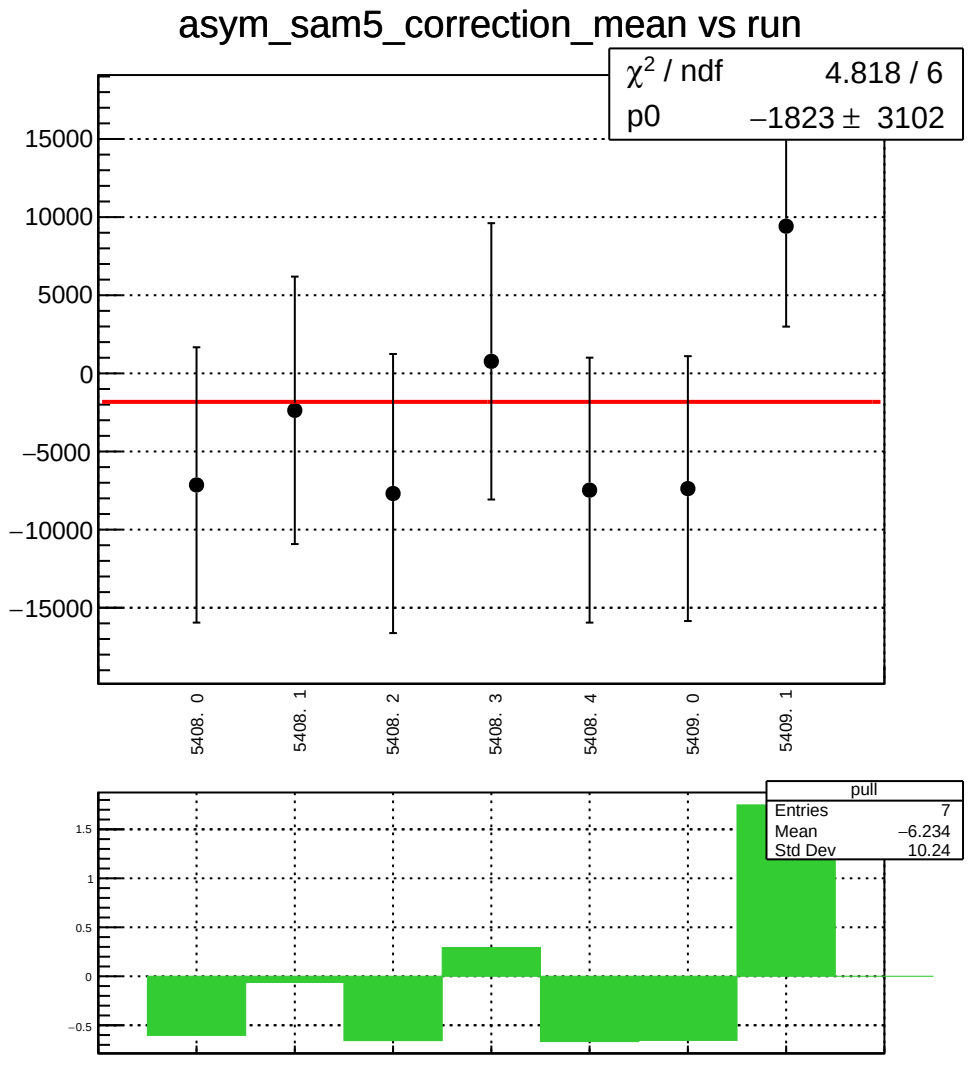

pull1D
Entries 7
Mean 0.003249
Std Dev 1.204
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

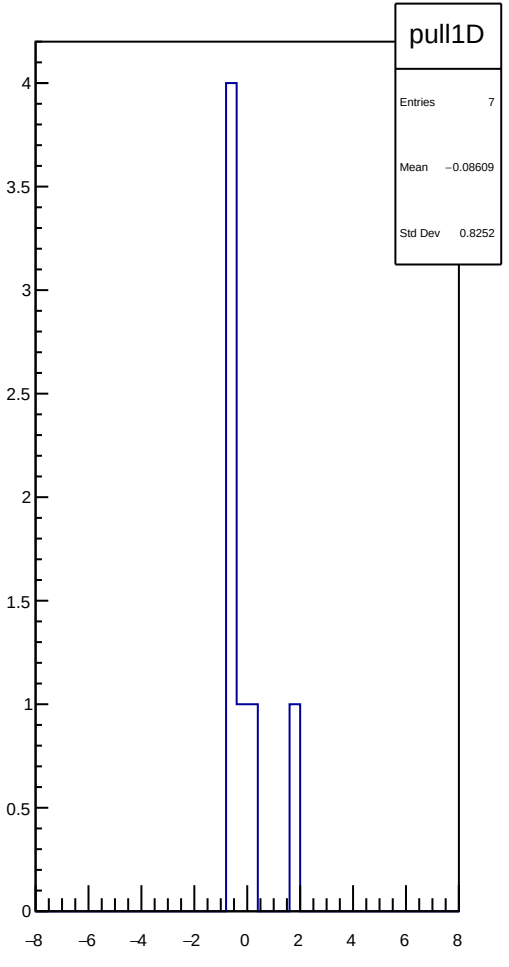

asym_sam4_rms vs run
χ^2 / ndf 121.4 / 6
p0 2478 ± 6.607
2650
2600
2550
2500
2450
2400
2350
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

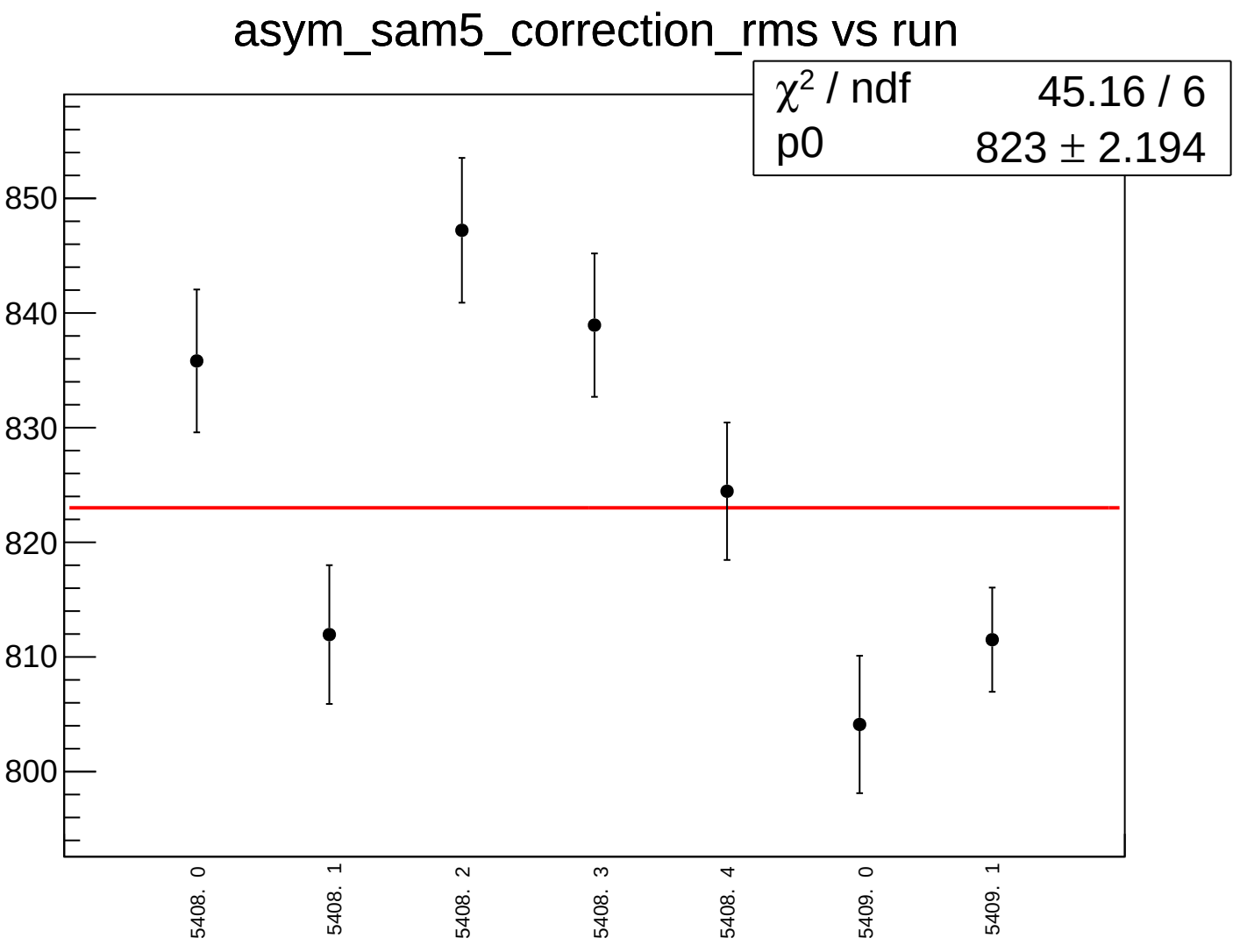

dit_asym_sam5_mean vs run
χ² / ndf 4.185 / 6
p0 −1743 ± 1242
6000
4000
2000
0
−2000
−4000
−6000
−8000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.687
Std Dev 13.36
1.5
1
0.5
0
−0.5

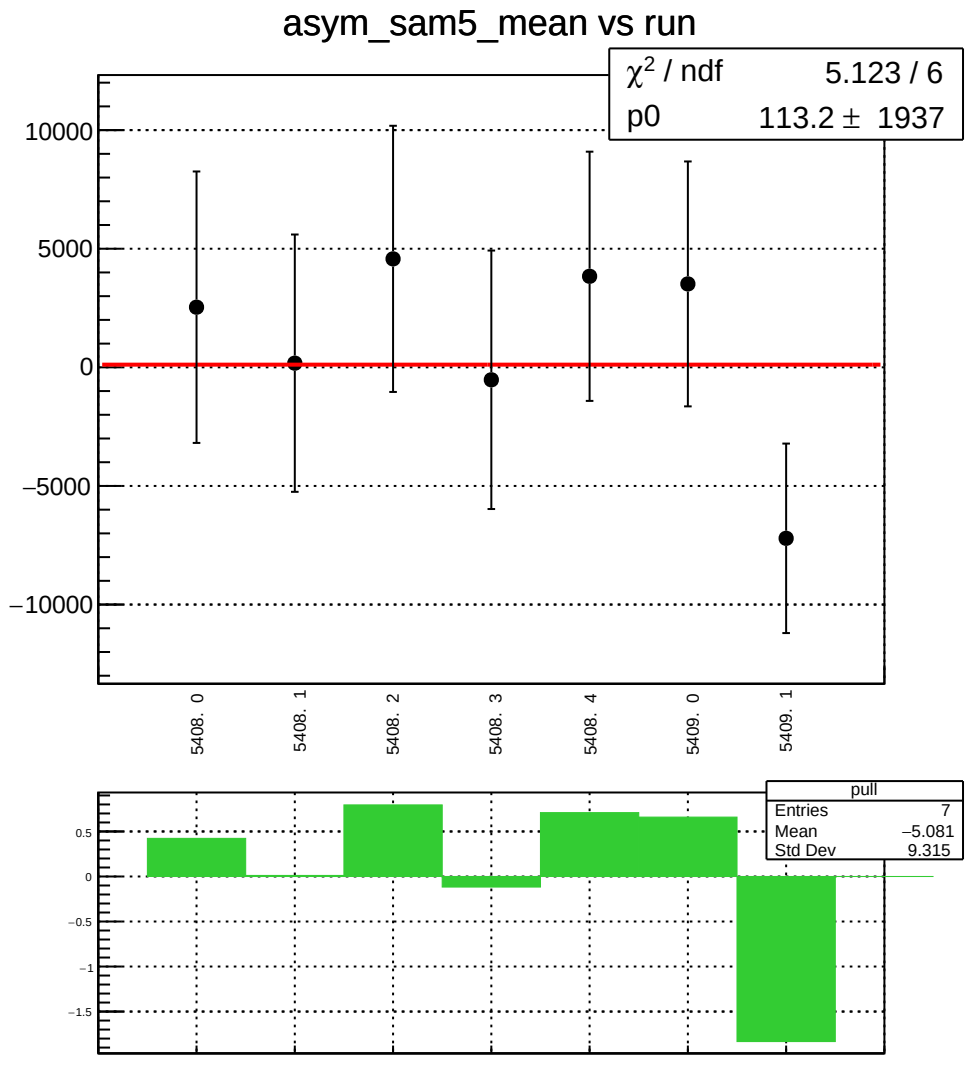

pull1D
Entries 7
Mean −0.06555
Std Dev 0.7704
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

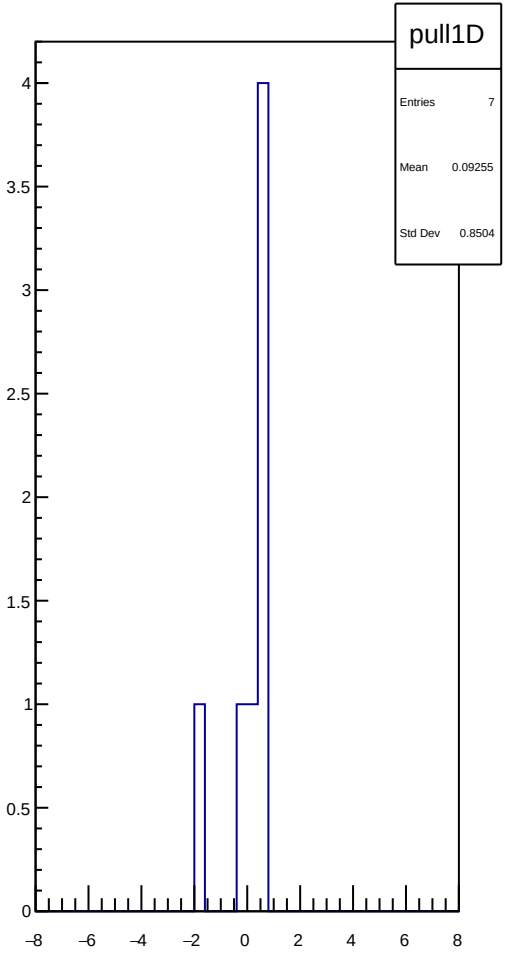

dit_asym_sam5_rms vs run
χ² / ndf 95.34 / 6
p0 329.5 ± 0.8784
345
340
335
330
325
320
315
310
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

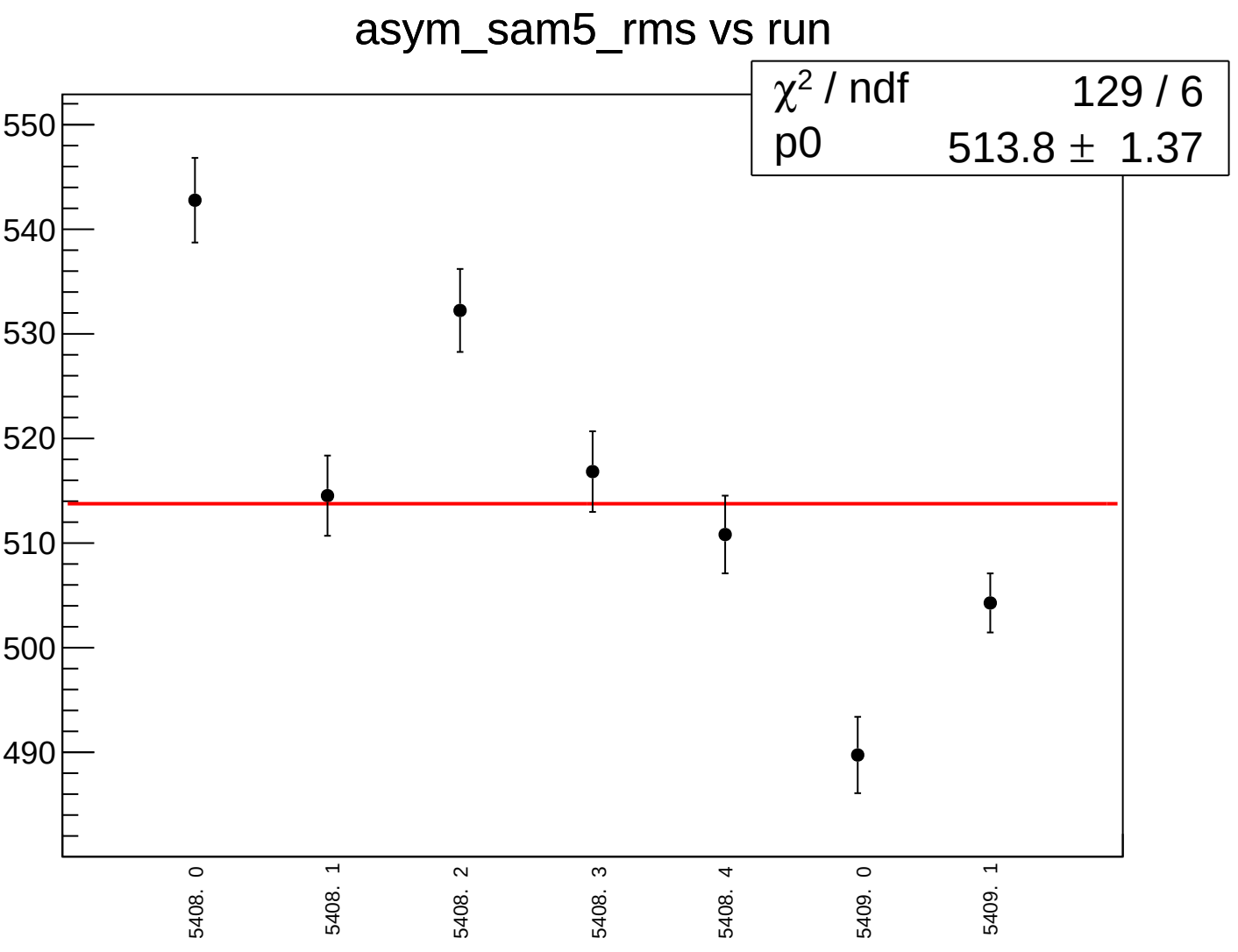

asym_sam5_correction_mean vs run
χ² / ndf 4.818 / 6
p0 −1823 ± 3102
15000
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −6.234
Std Dev 10.24
1.5
1
0.5
0
−0.5

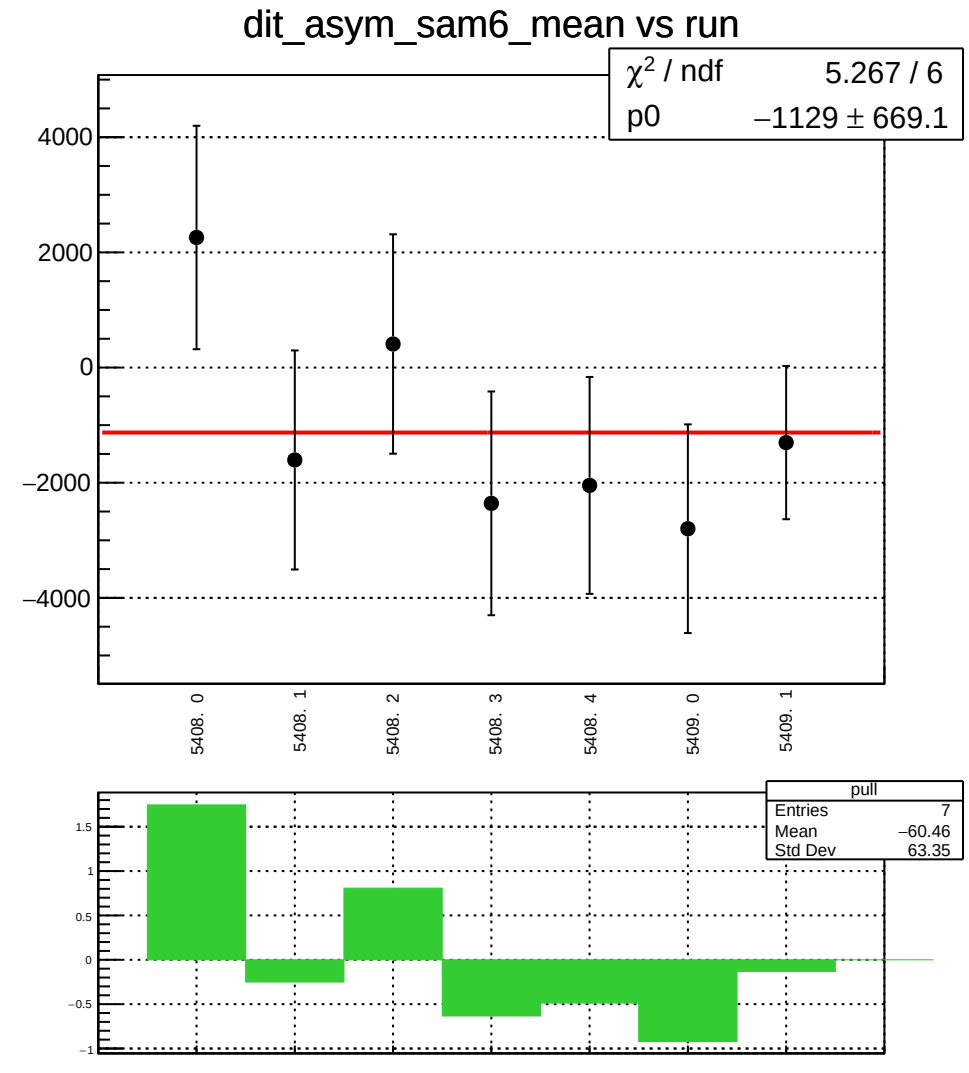

pull1D
Entries 7
Mean −0.08609
Std Dev 0.8252
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

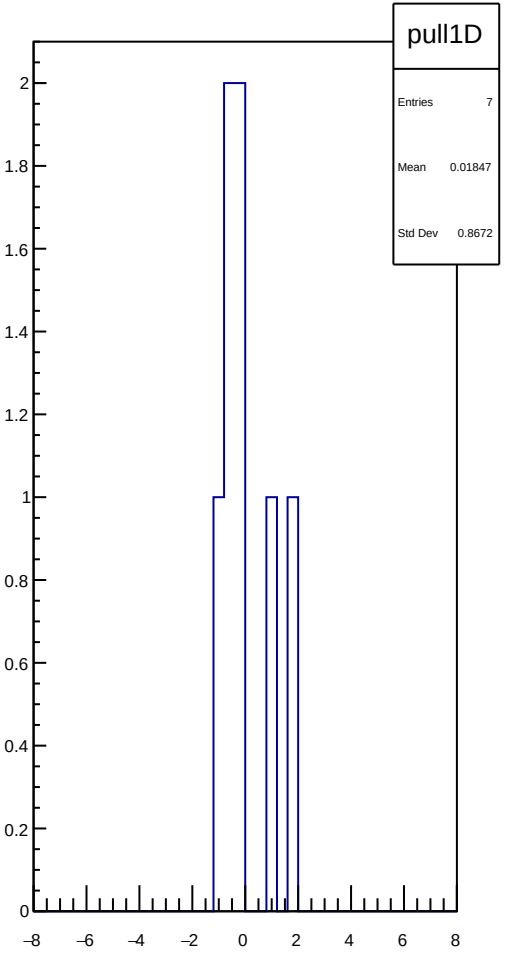

asym_sam5_correction_rms vs run
χ² / ndf 45.16 / 6
p0 823 ± 2.194
850
840
830
820
810
800
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

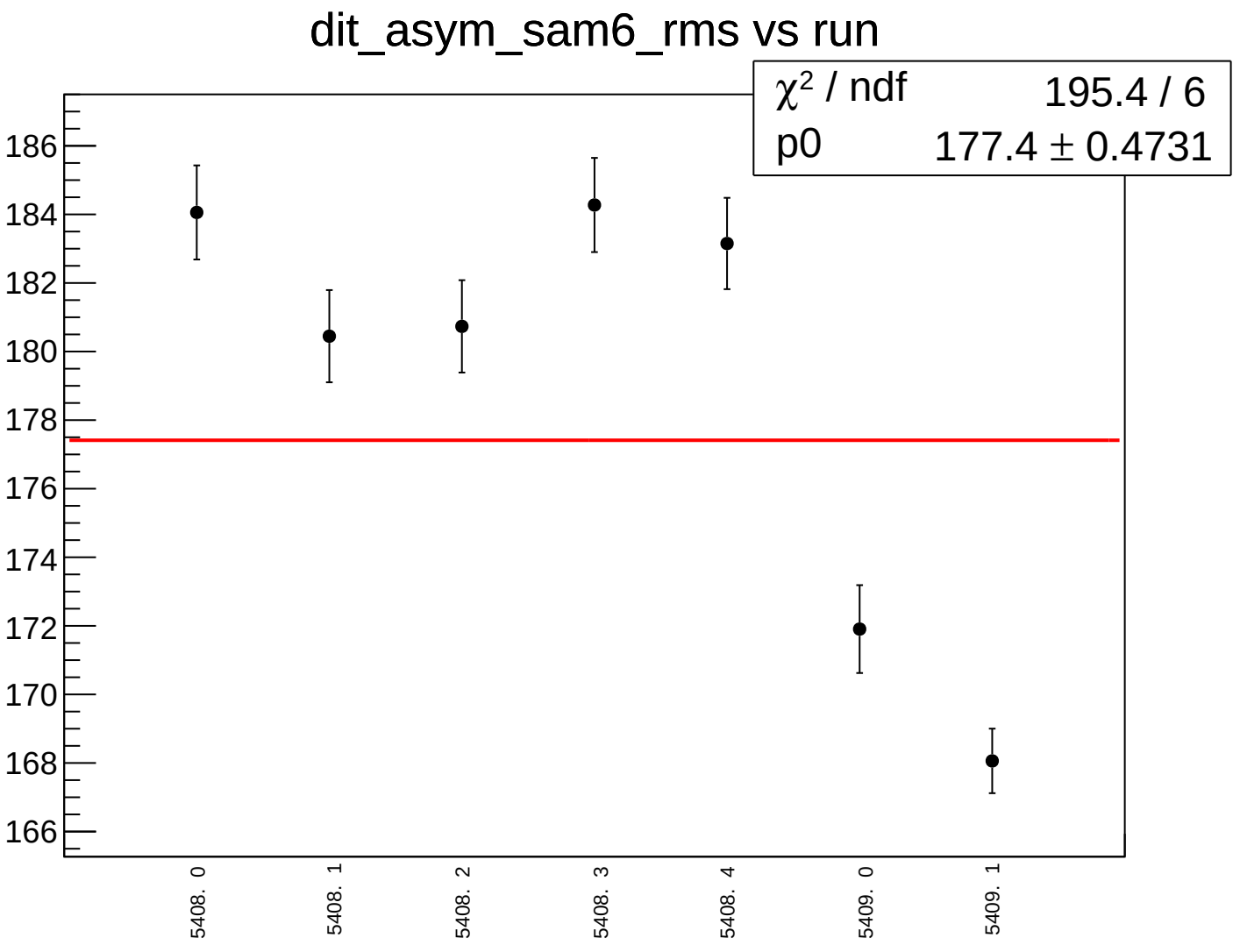

asym_sam5_mean vs run
χ² / ndf 5.123 / 6
p0 113.2 ± 1937
10000
5000
0
−5000
−10000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −5.081
Std Dev 9.315
0.5
0
−0.5
−1
−1.5

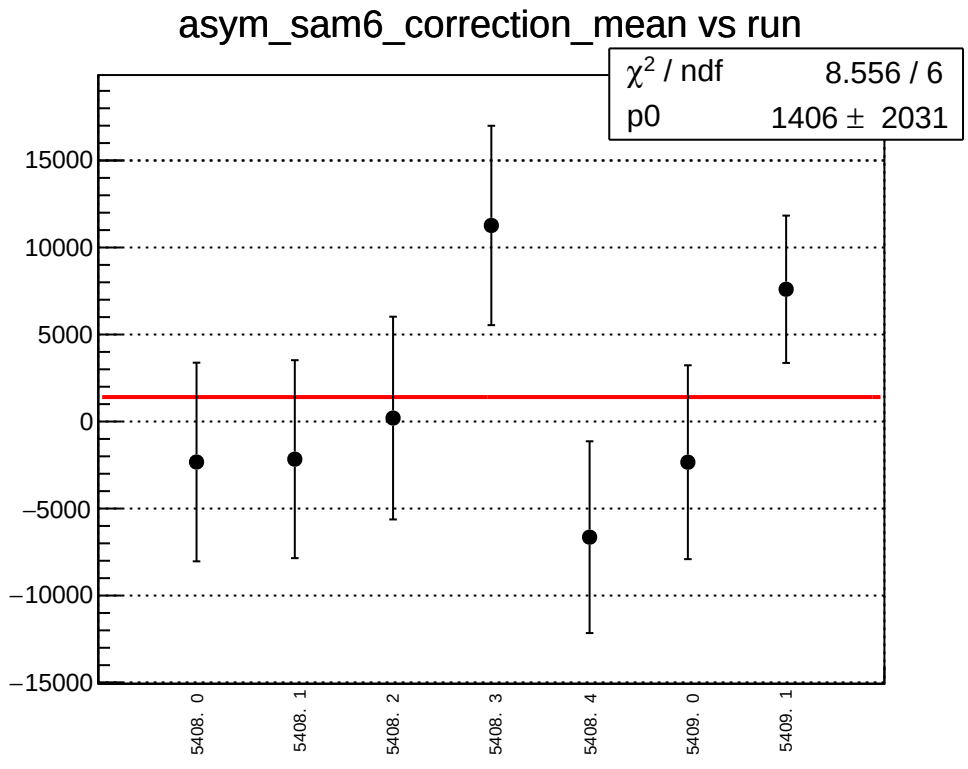

pull1D
Entries 7
Mean 0.09255
Std Dev 0.8504
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

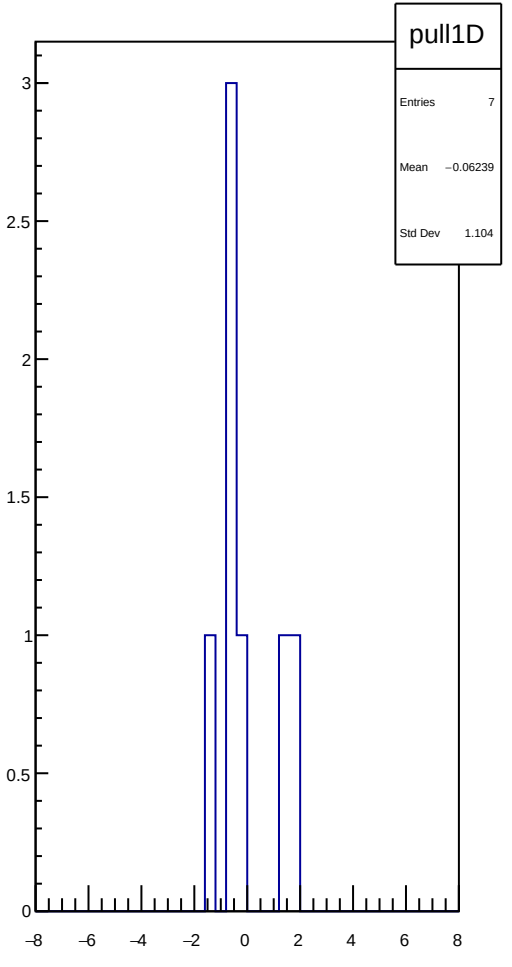

asym_sam5_rms vs run
χ² / ndf 129 / 6
p0 513.8 ± 1.37
550
540
530
520
510
500
490
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

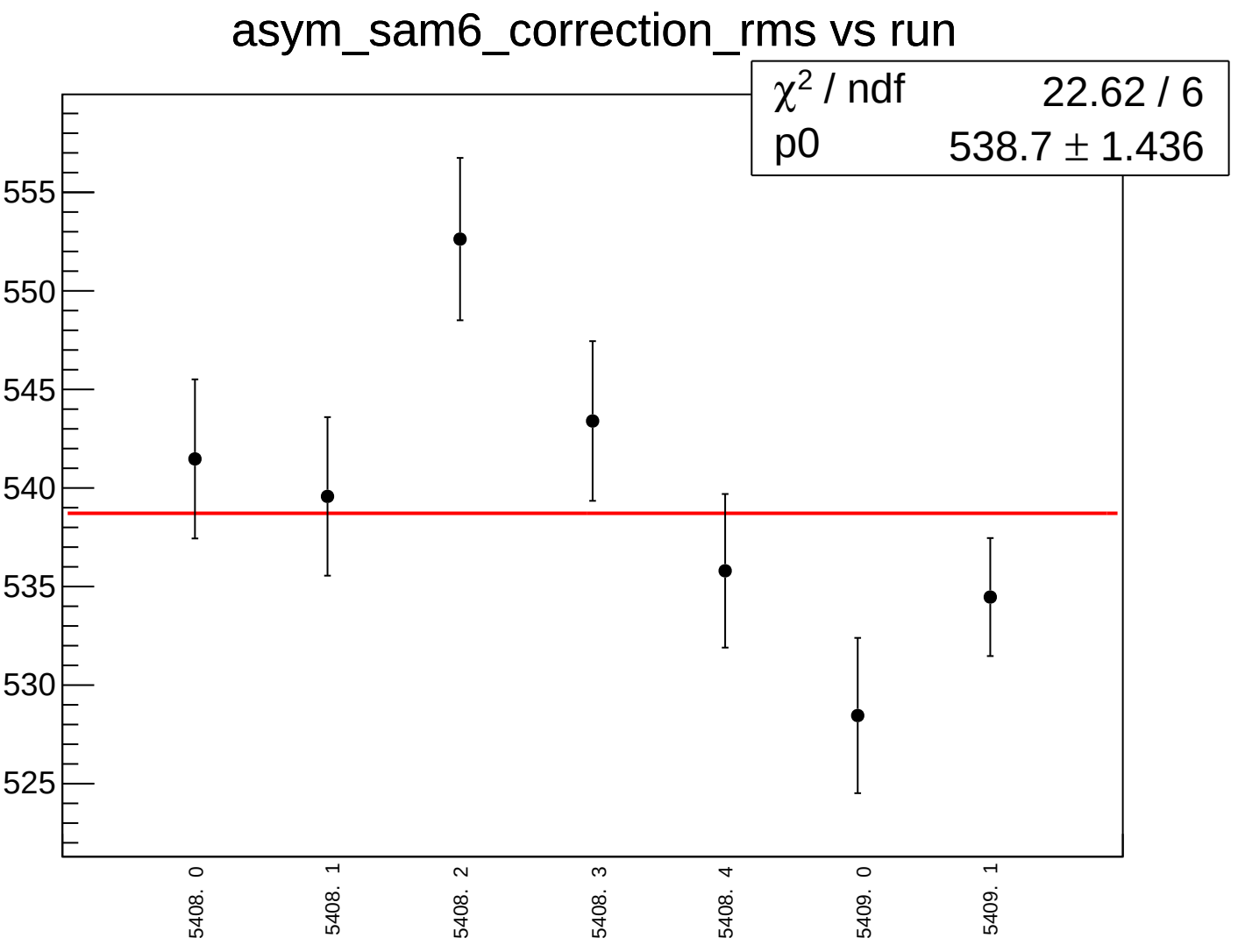

dit_asym_sam6_mean vs run
χ² / ndf 5.267 / 6
p0 −1129 ± 669.1
4000
2000
0
−2000
−4000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −60.46
Std Dev 63.35
1.5
1
0.5
0
−0.5
−1

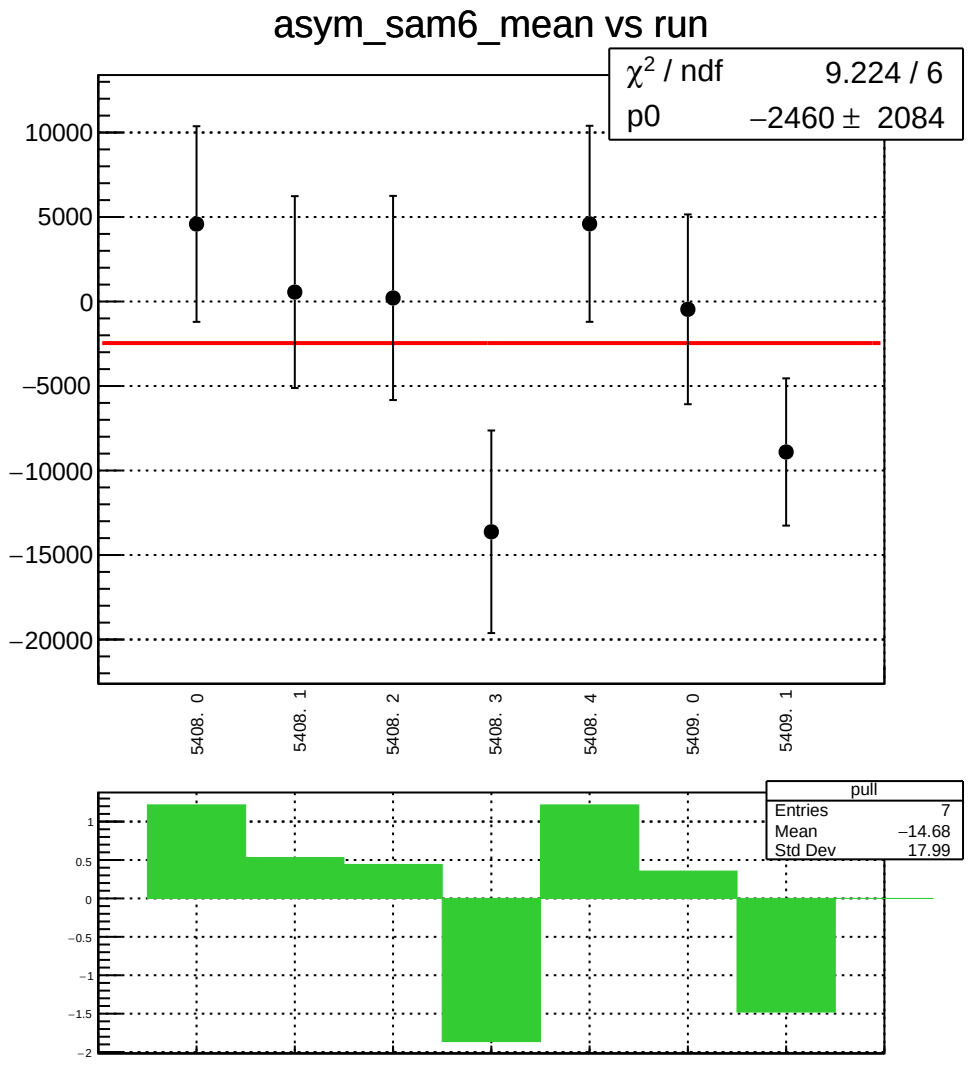

pull1D
Entries 7
Mean 0.01847
Std Dev 0.8672
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

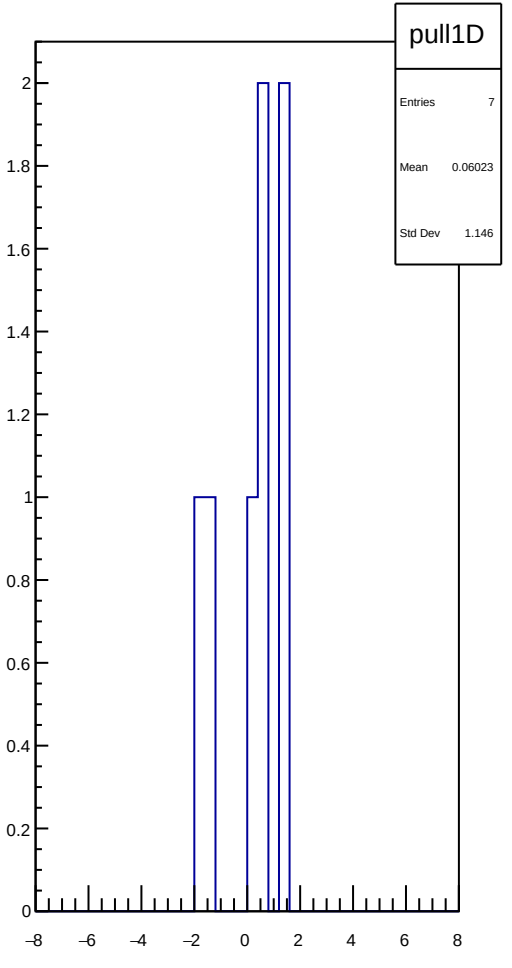

dit_asym_sam6_rms vs run
χ² / ndf 195.4 / 6
p0 177.4 ± 0.4731
186
184
182
180
178
176
174
172
170
168
166
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

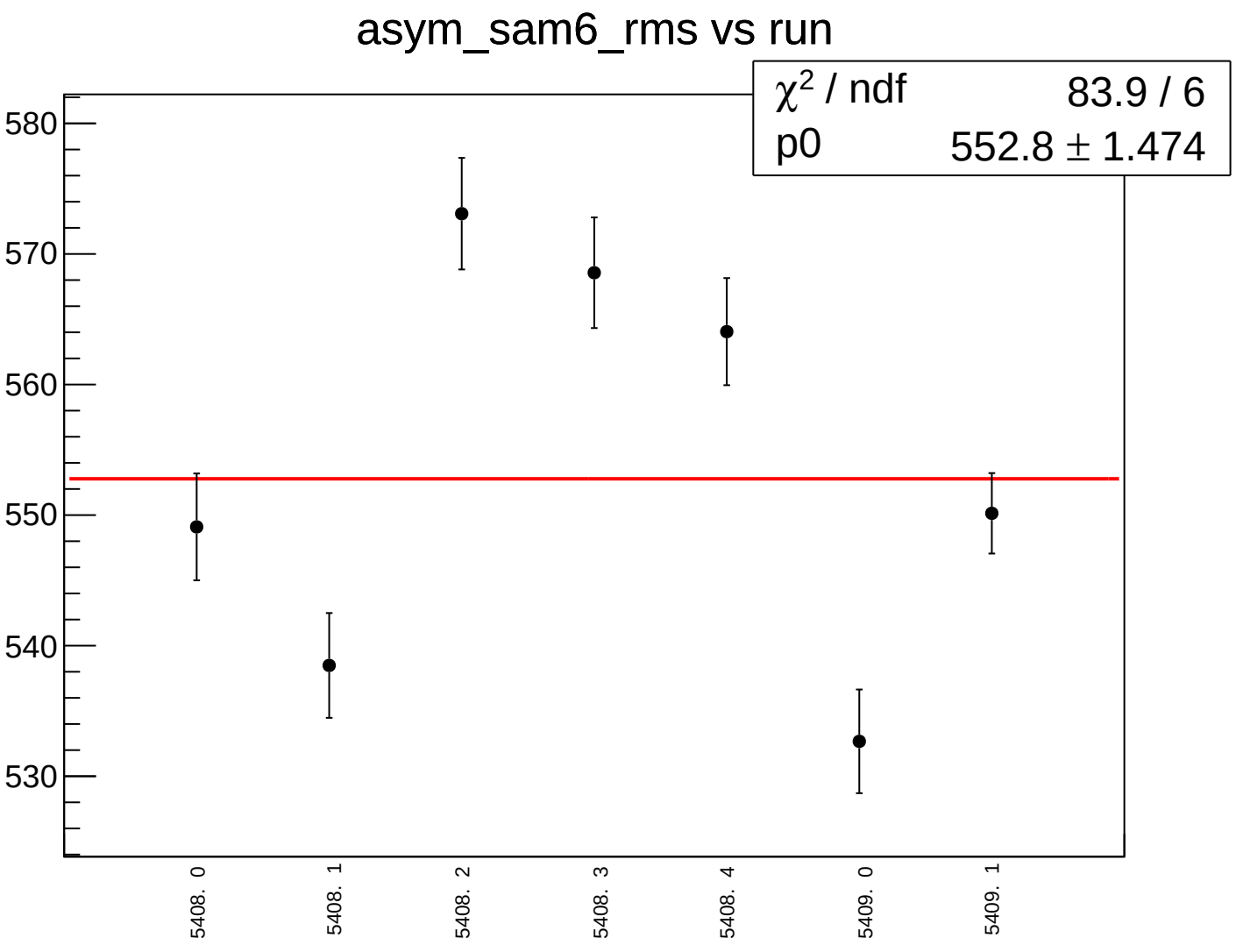

asym_sam6_correction_mean vs run
χ² / ndf 8.556 / 6
p0 1406 ± 2031
15000
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.968
Std Dev 11.51
1.5
1
0.5
0
−0.5
−1
−1.5

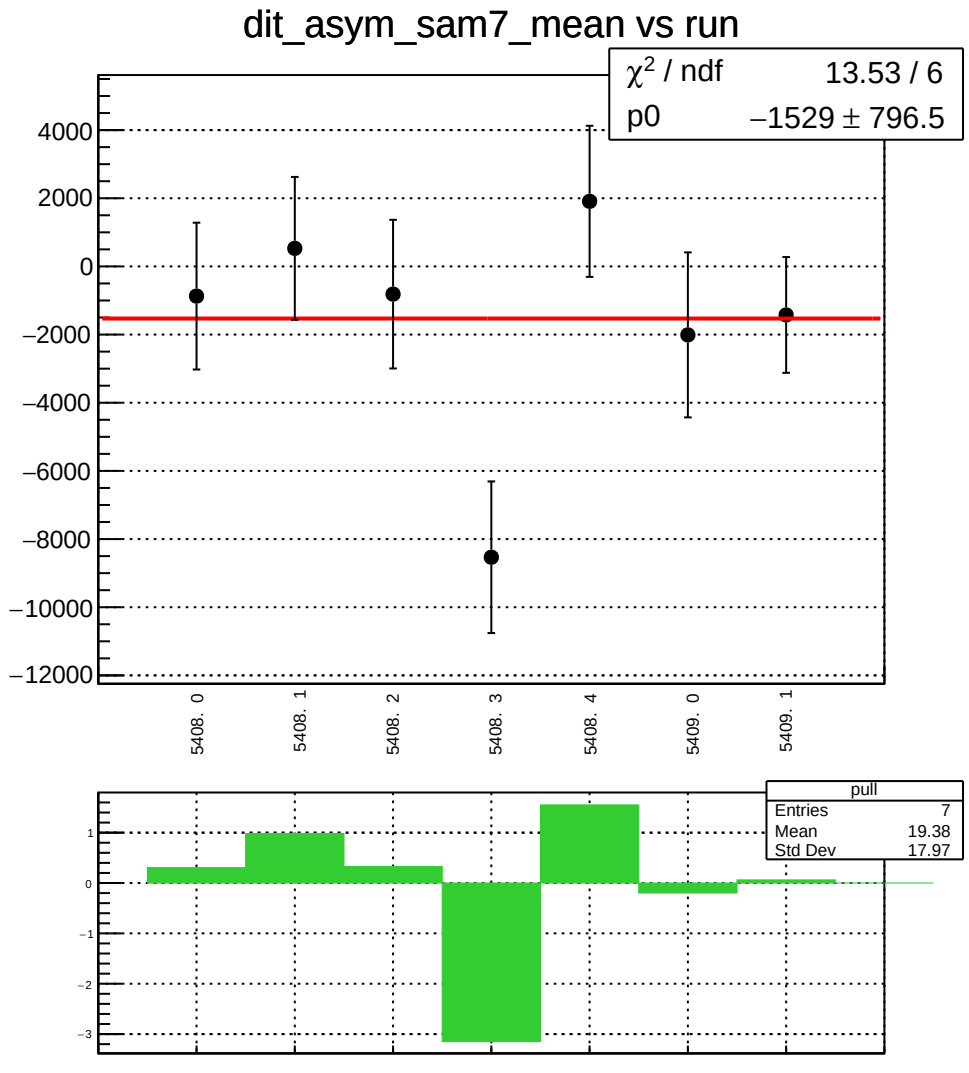

pull1D
Entries 7
Mean −0.06239
Std Dev 1.104
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

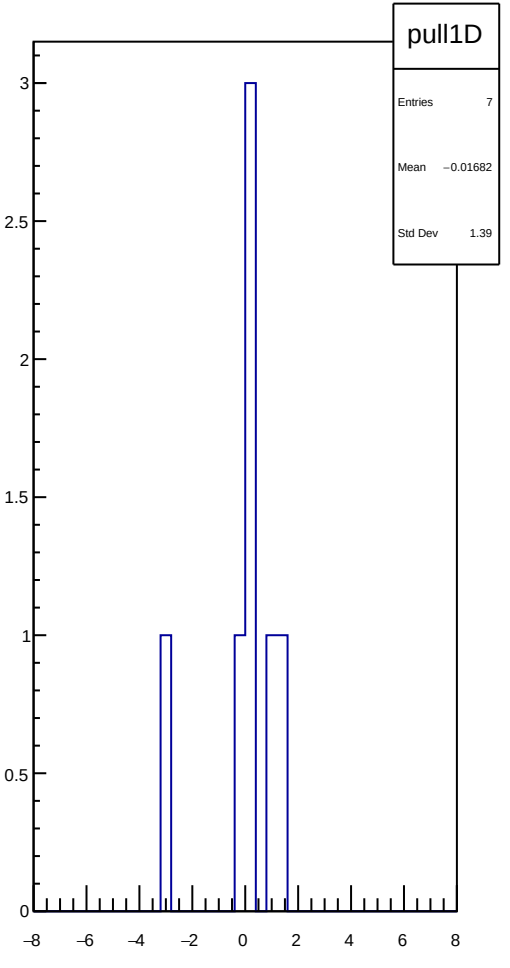

asym_sam6_correction_rms vs run
χ² / ndf 22.62 / 6
p0 538.7 ± 1.436
555
550
545
540
535
530
525
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

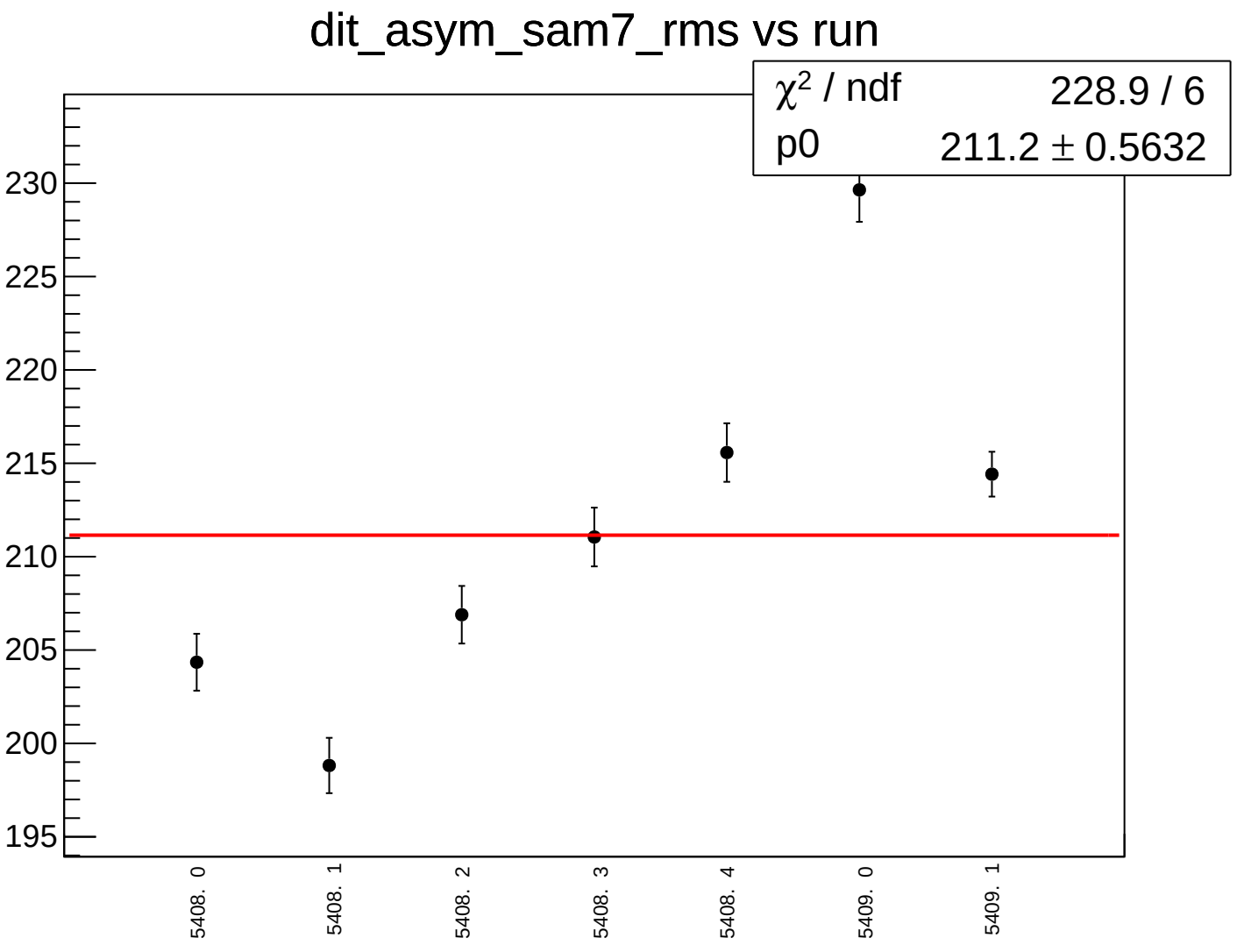

asym_sam6_mean vs run
χ² / ndf 9.224 / 6
p0 −2460 ± 2084
10000
5000
0
−5000
−10000
−15000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −14.68
Std Dev 17.99
1
0.5
0
−0.5
−1
−1.5
−2

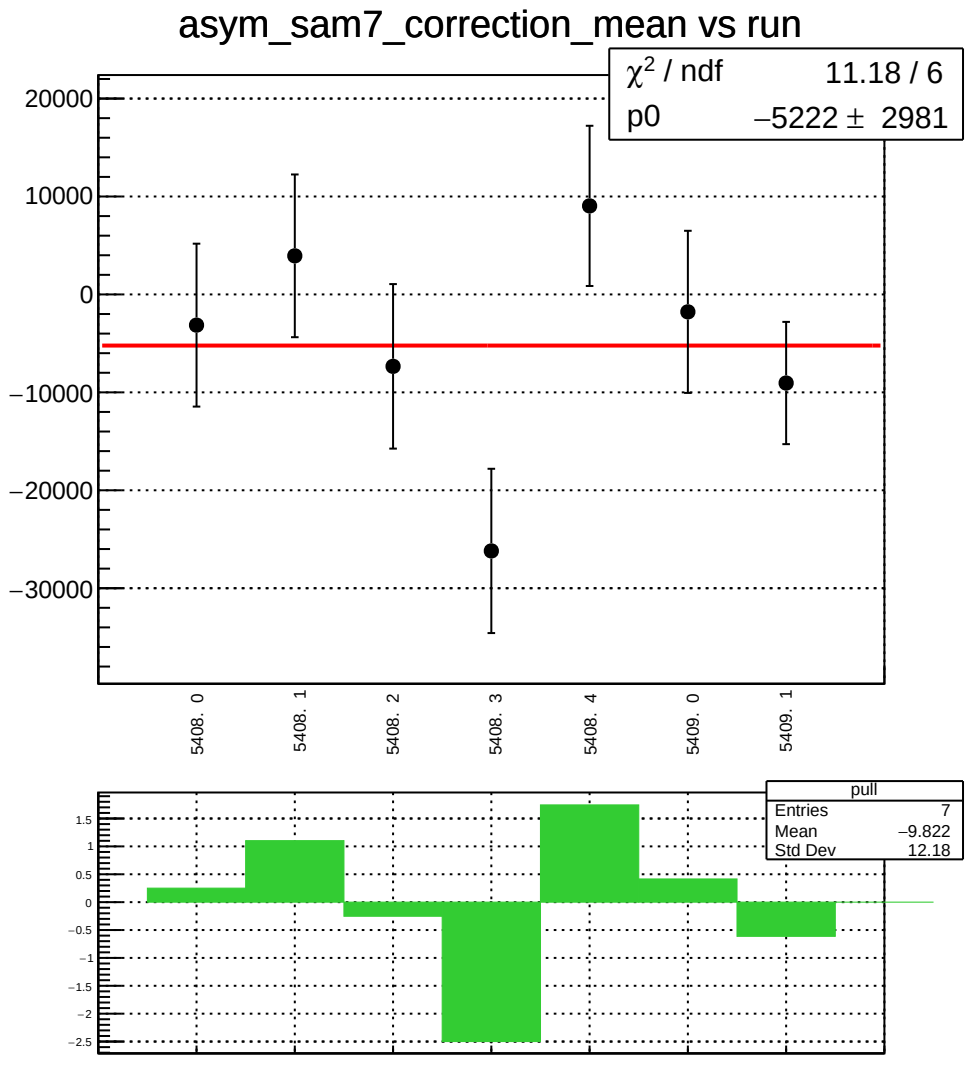

pull1D
Entries 7
Mean 0.06023
Std Dev 1.146
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

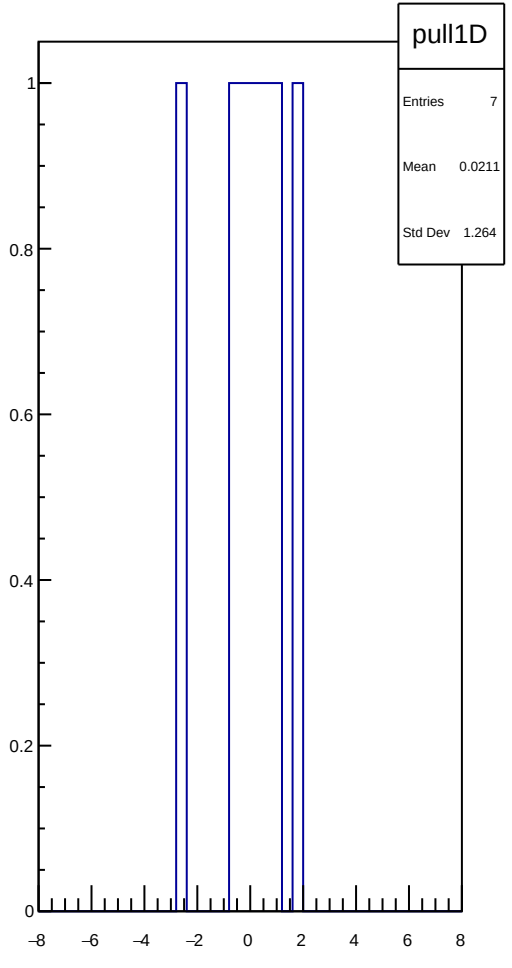

asym_sam6_rms vs run
χ² / ndf 83.9 / 6
p0 552.8 ± 1.474
580
570
560
550
540
530
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

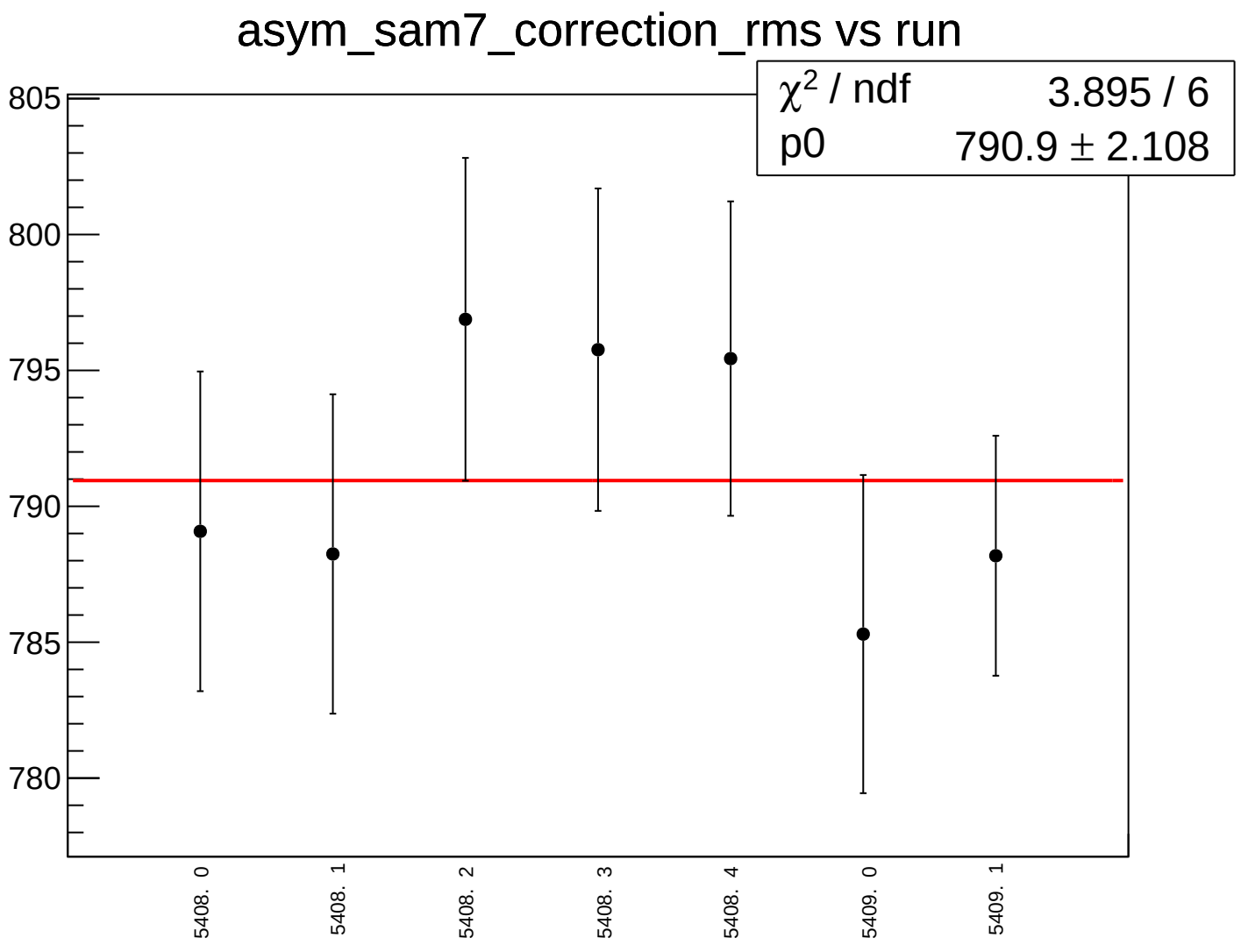

dit_asym_sam7_mean vs run
χ² / ndf 13.53 / 6
p0 −1529 ± 796.5
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 19.38
Std Dev 17.97
1
0
−1
−2
−3

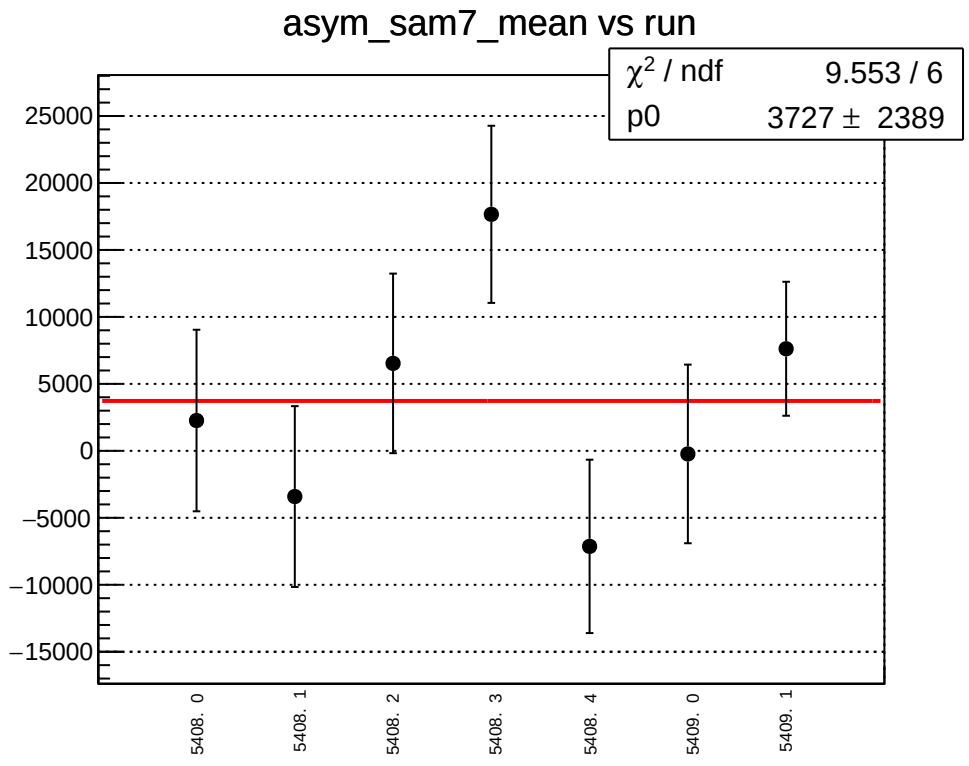

pull1D
Entries 7
Mean −0.01682
Std Dev 1.39
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

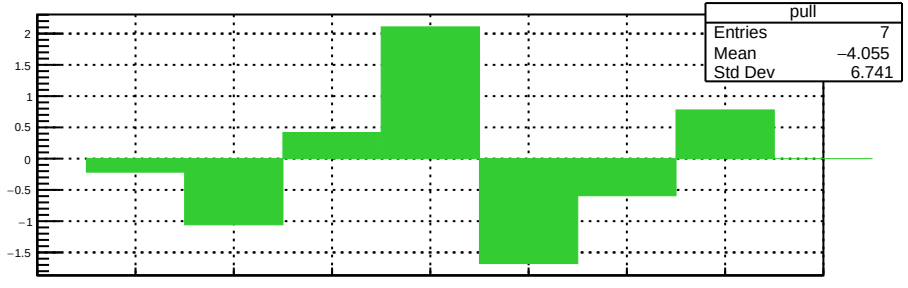

dit_asym_sam7_rms vs run
χ² / ndf 228.9 / 6
p0 211.2 ± 0.5632
230
225
220
215
210
205
200
195
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

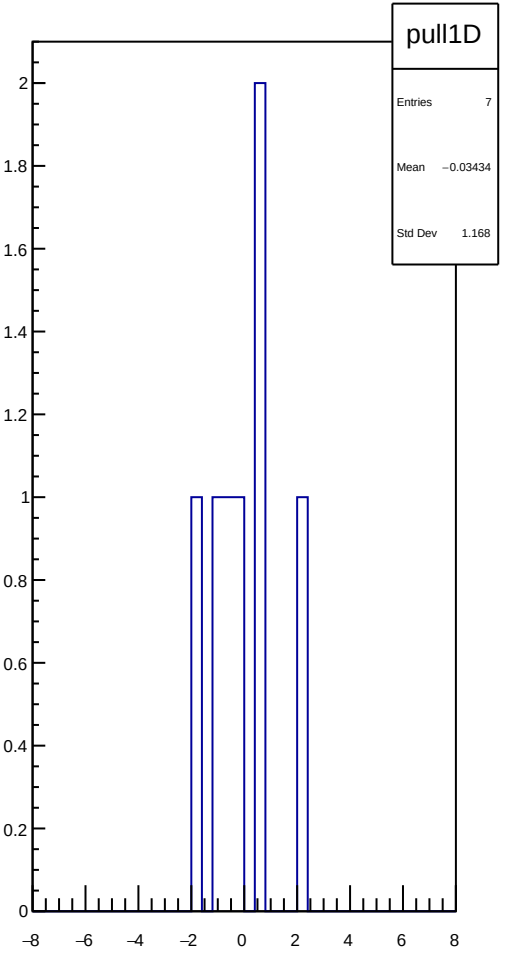

asym_sam7_correction_mean vs run
χ² / ndf 11.18 / 6
p0 −5222 ± 2981
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.822
Std Dev 12.18
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

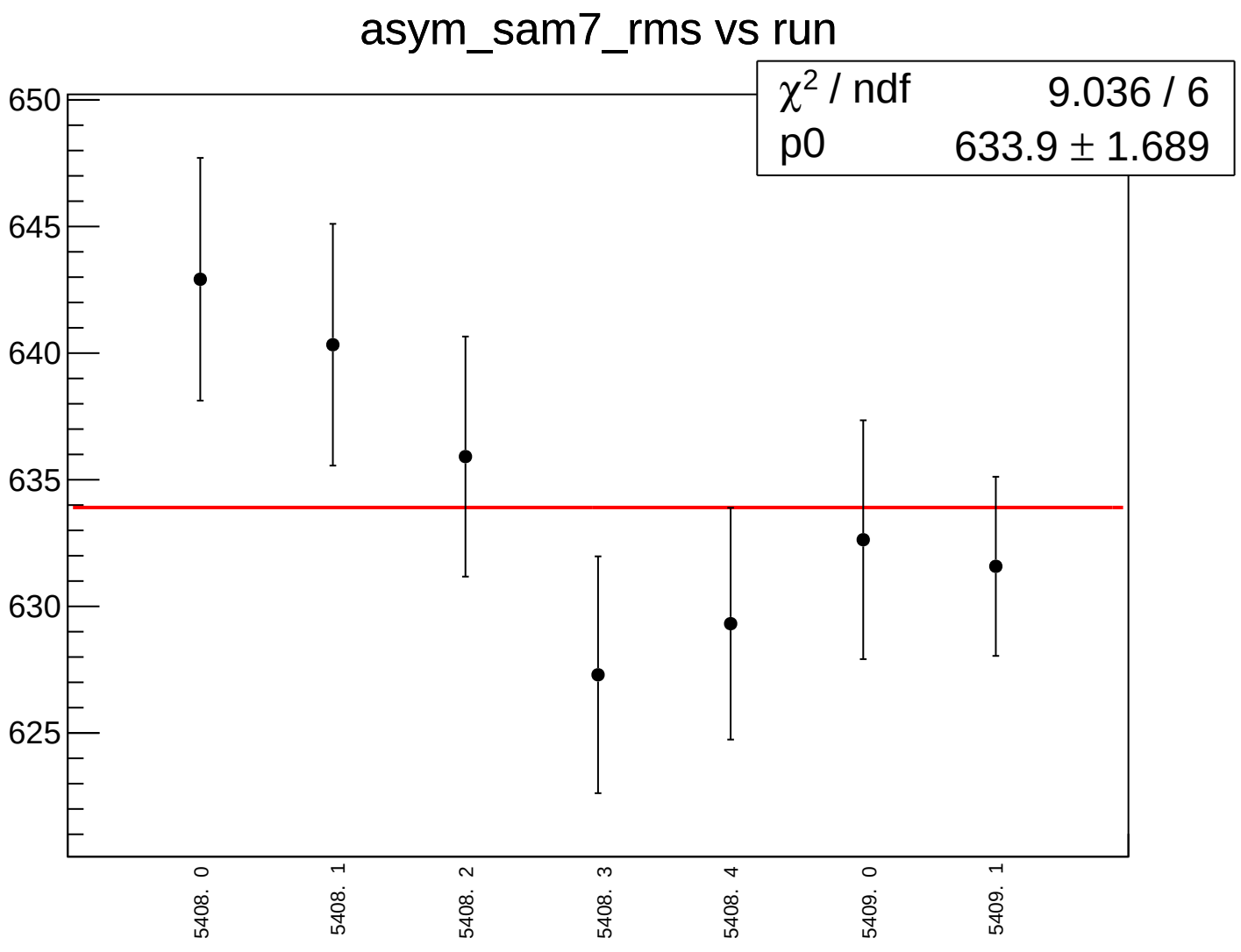

pull1D
Entries 7
Mean 0.0211
Std Dev 1.264
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

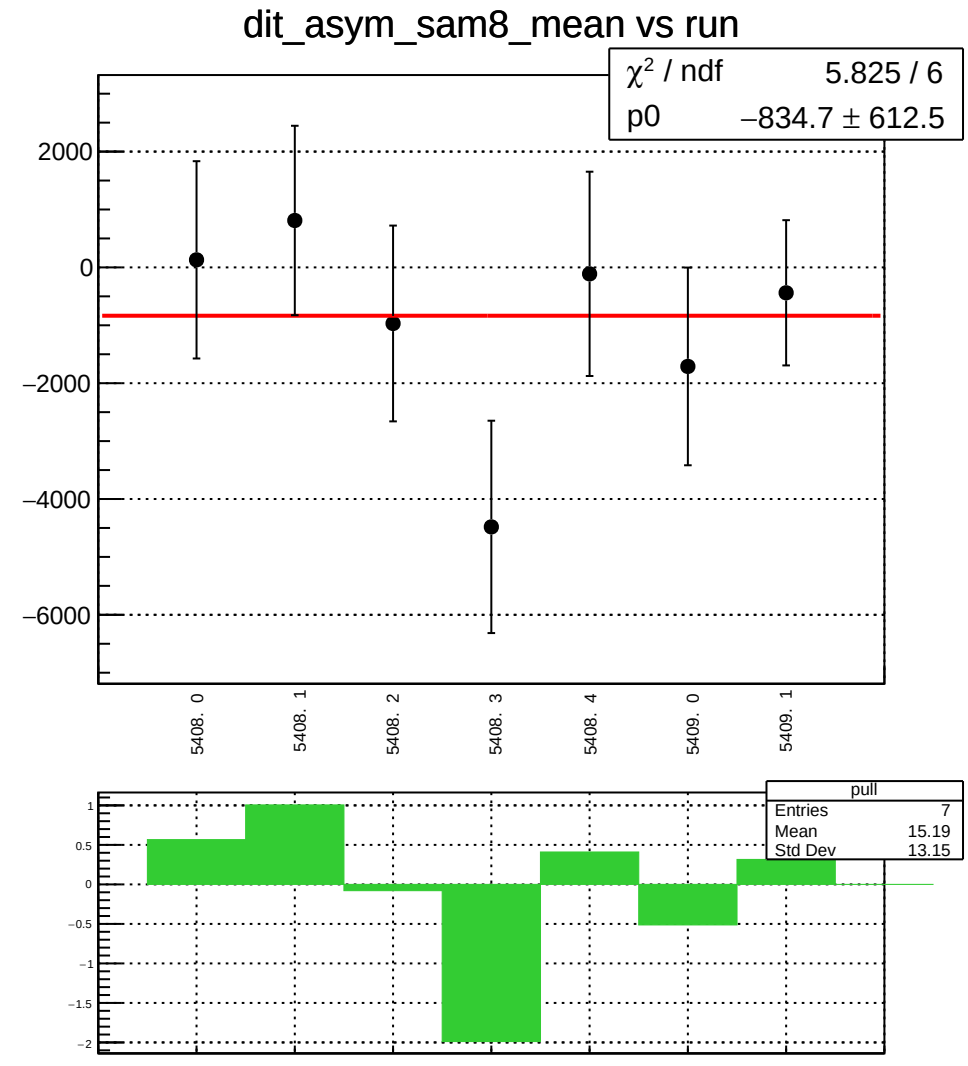

asym_sam7_correction_rms vs run
χ² / ndf 3.895 / 6
p0 790.9 ± 2.108
805
800
795
790
785
780
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

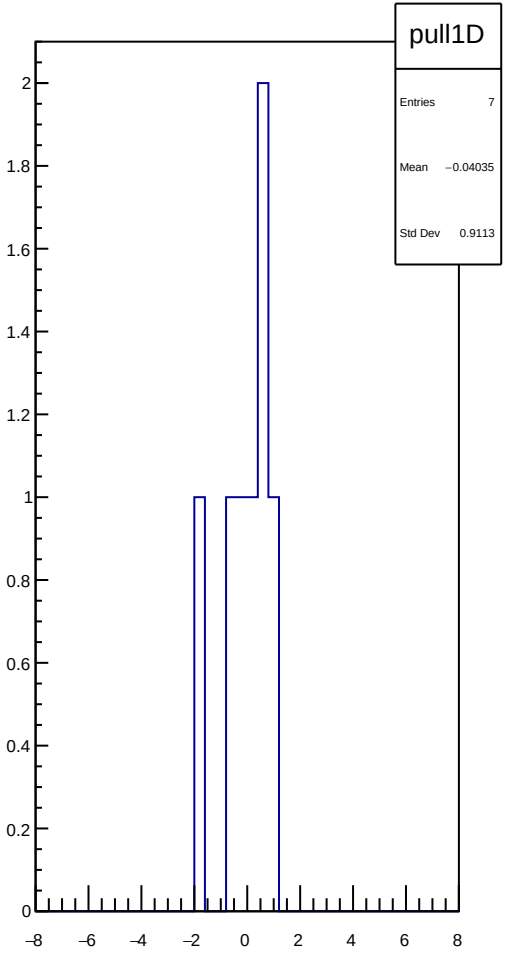

asym_sam7_mean vs run
χ² / ndf 9.553 / 6
p0 3727 ± 2389
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

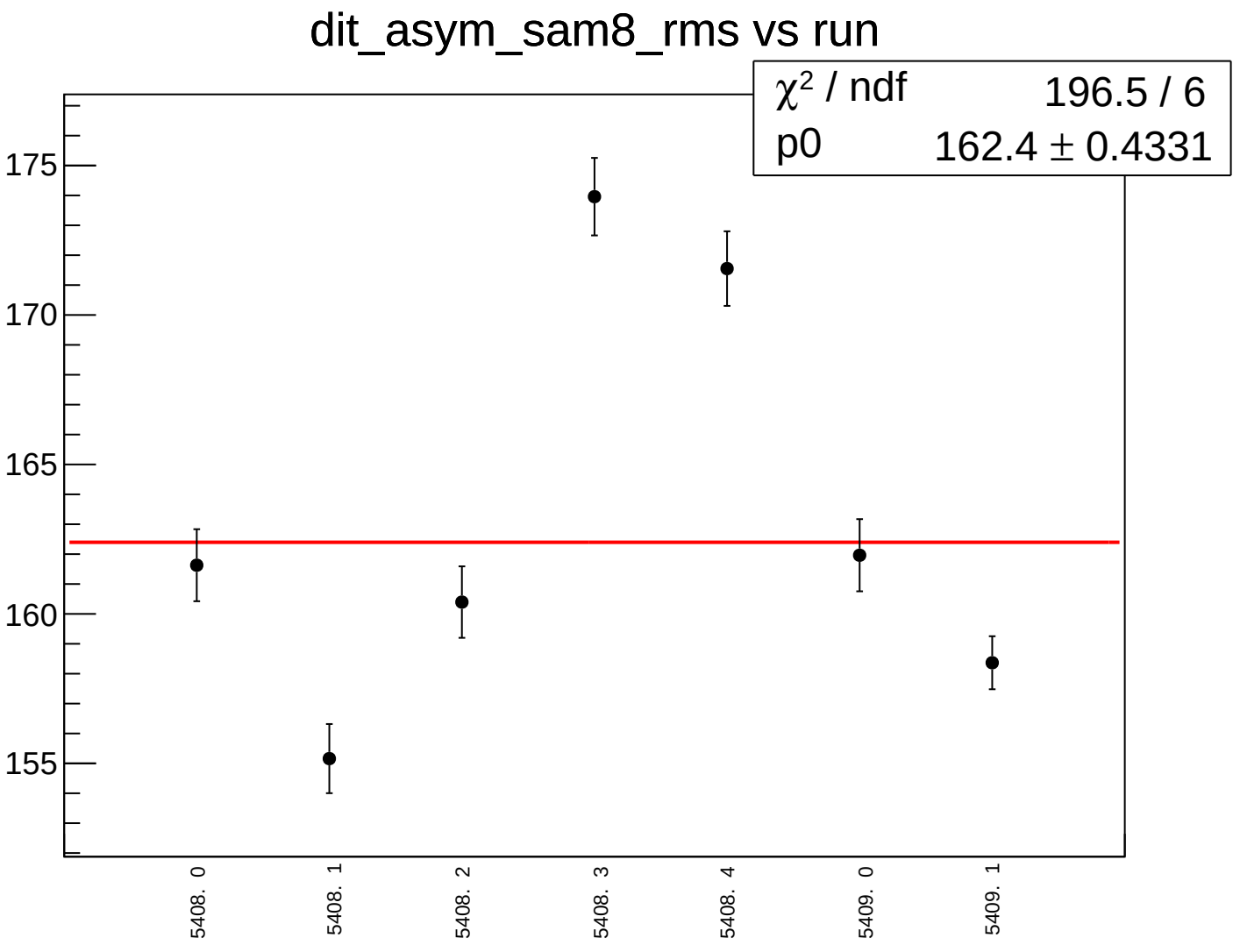

pull
Entries 7
Mean −4.055
Std Dev 6.741
2
1.5
1
0.5
0
−0.5
−1
−1.5

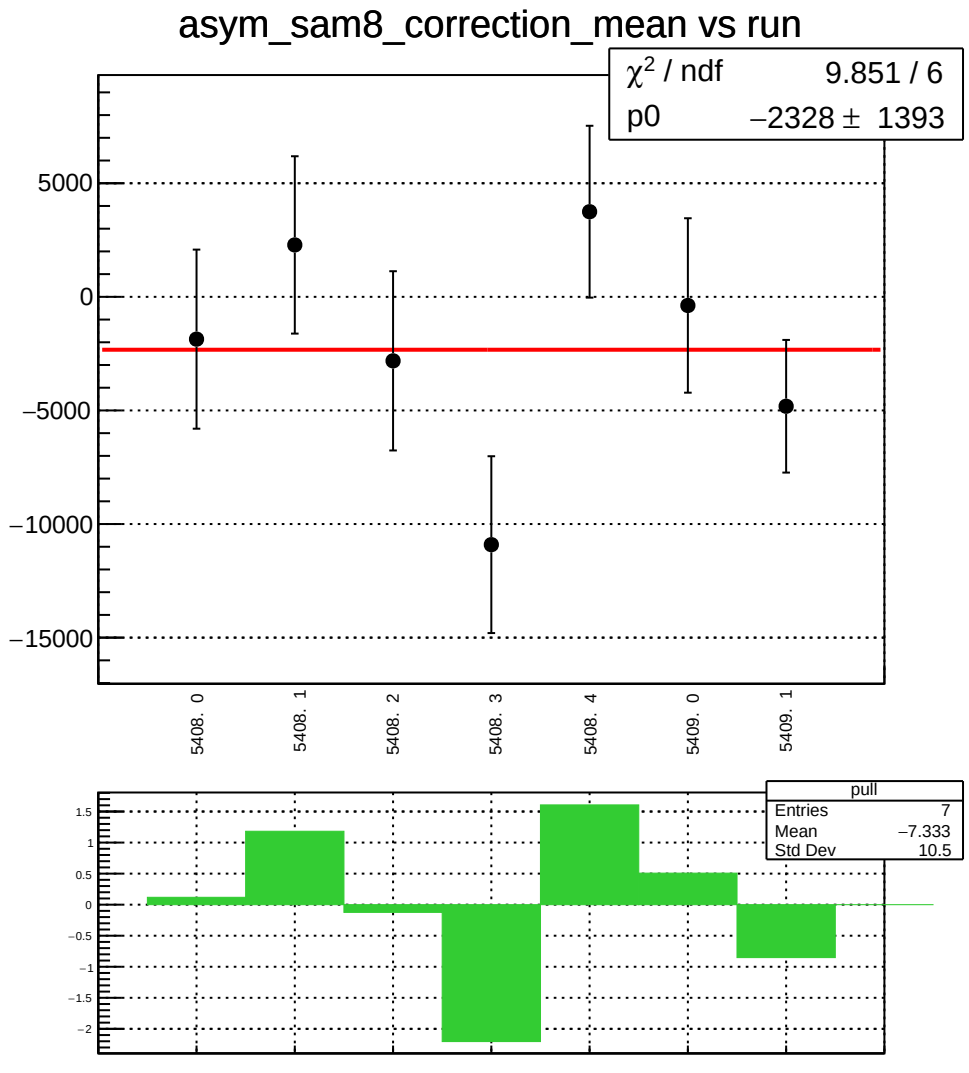

pull1D
Entries 7
Mean −0.03434
Std Dev 1.168
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

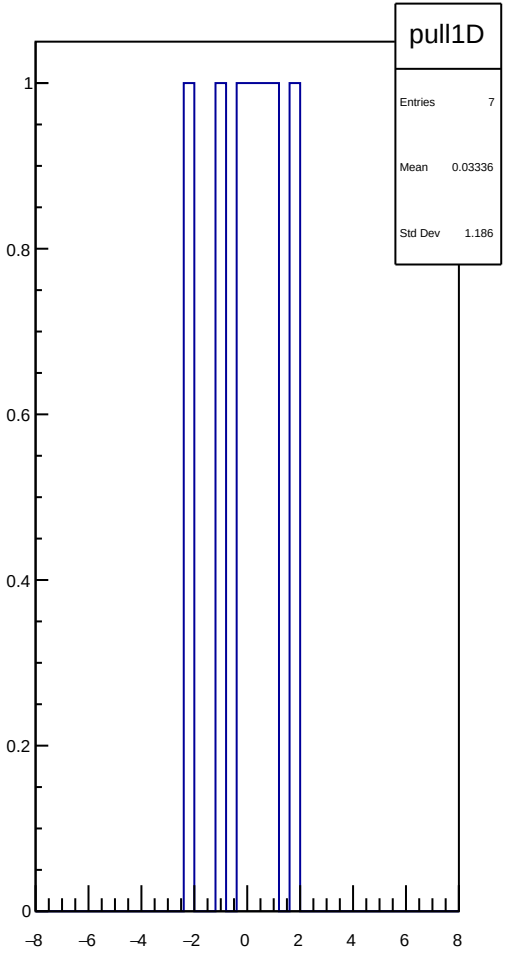

asym_sam7_rms vs run
χ² / ndf 9.036 / 6
p0 633.9 ± 1.689
650
645
640
635
630
625
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

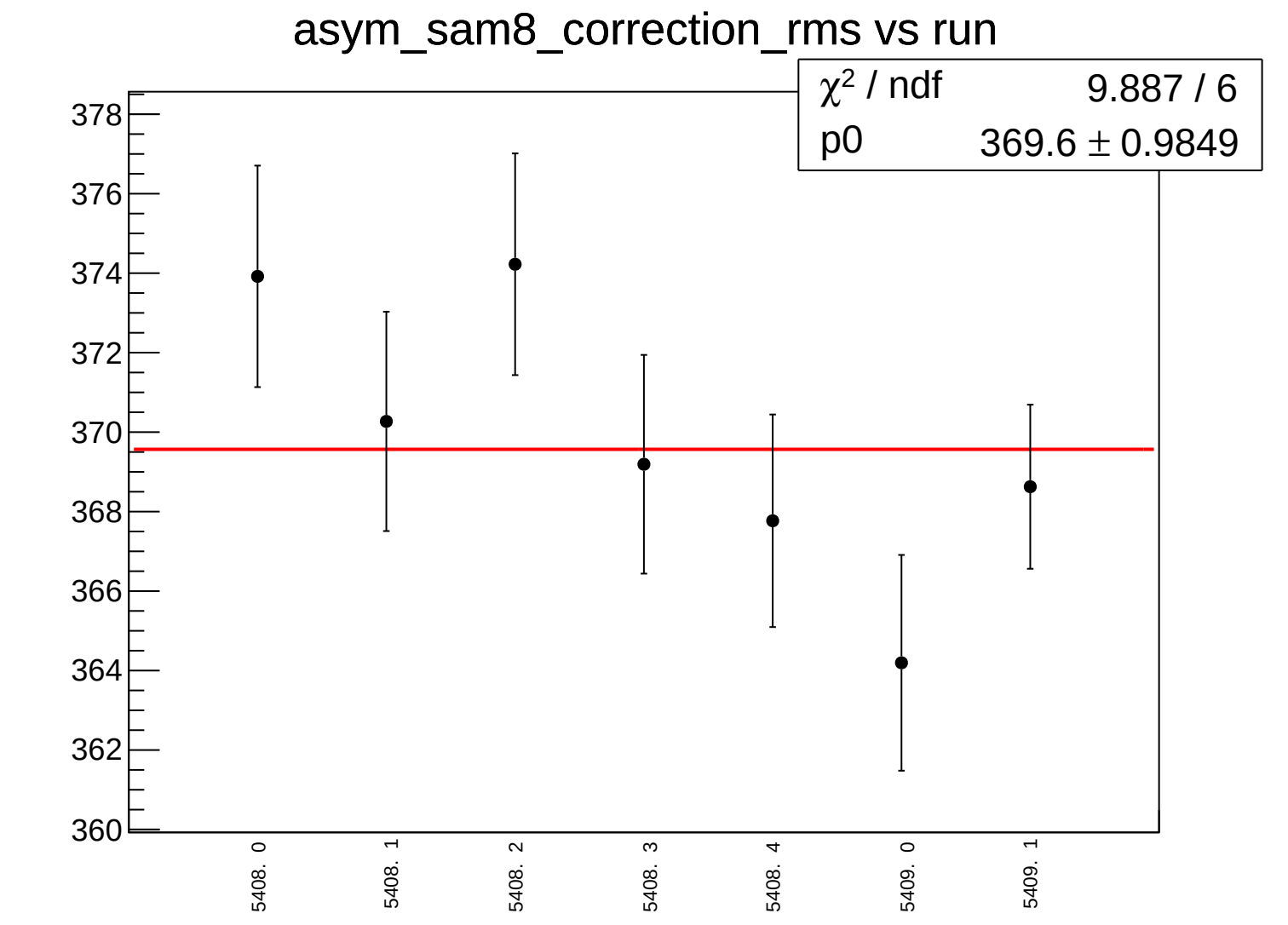

dit_asym_sam8_mean vs run
χ² / ndf 5.825 / 6
p0 −834.7 ± 612.5
2000
0
−2000
−4000
−6000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 15.19
Std Dev 13.15
1
0.5
0
−0.5
−1
−1.5
−2

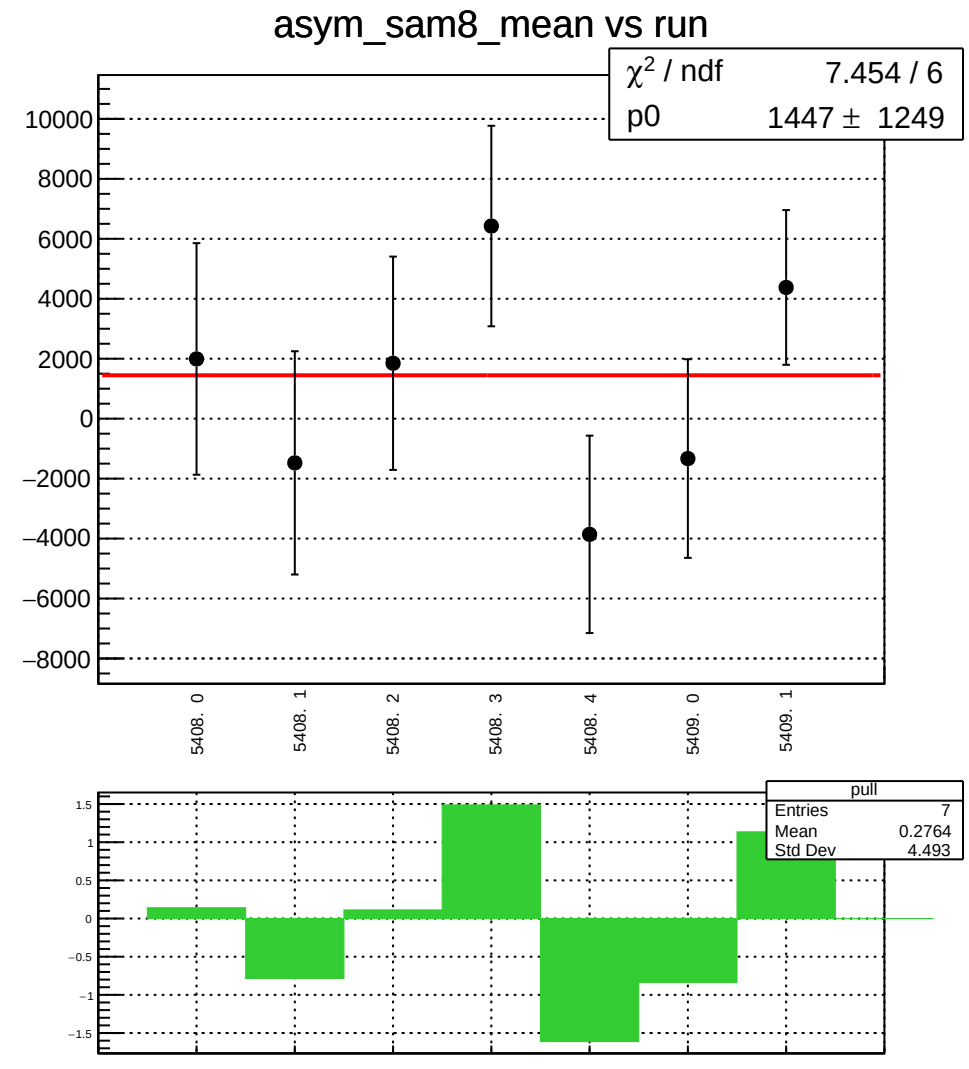

pull1D
Entries 7
Mean −0.04035
Std Dev 0.9113
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

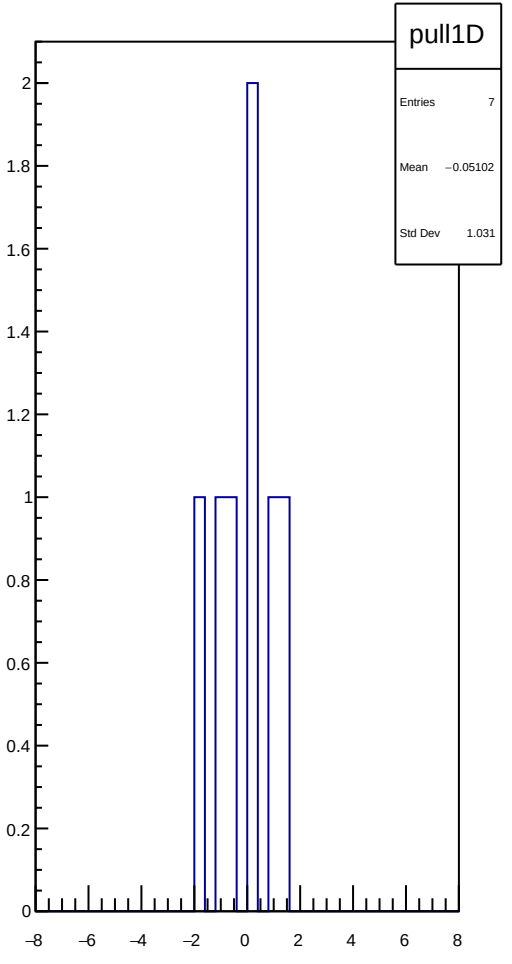

dit_asym_sam8_rms vs run
χ² / ndf 196.5 / 6
p0 162.4 ± 0.4331
175
170
165
160
155
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

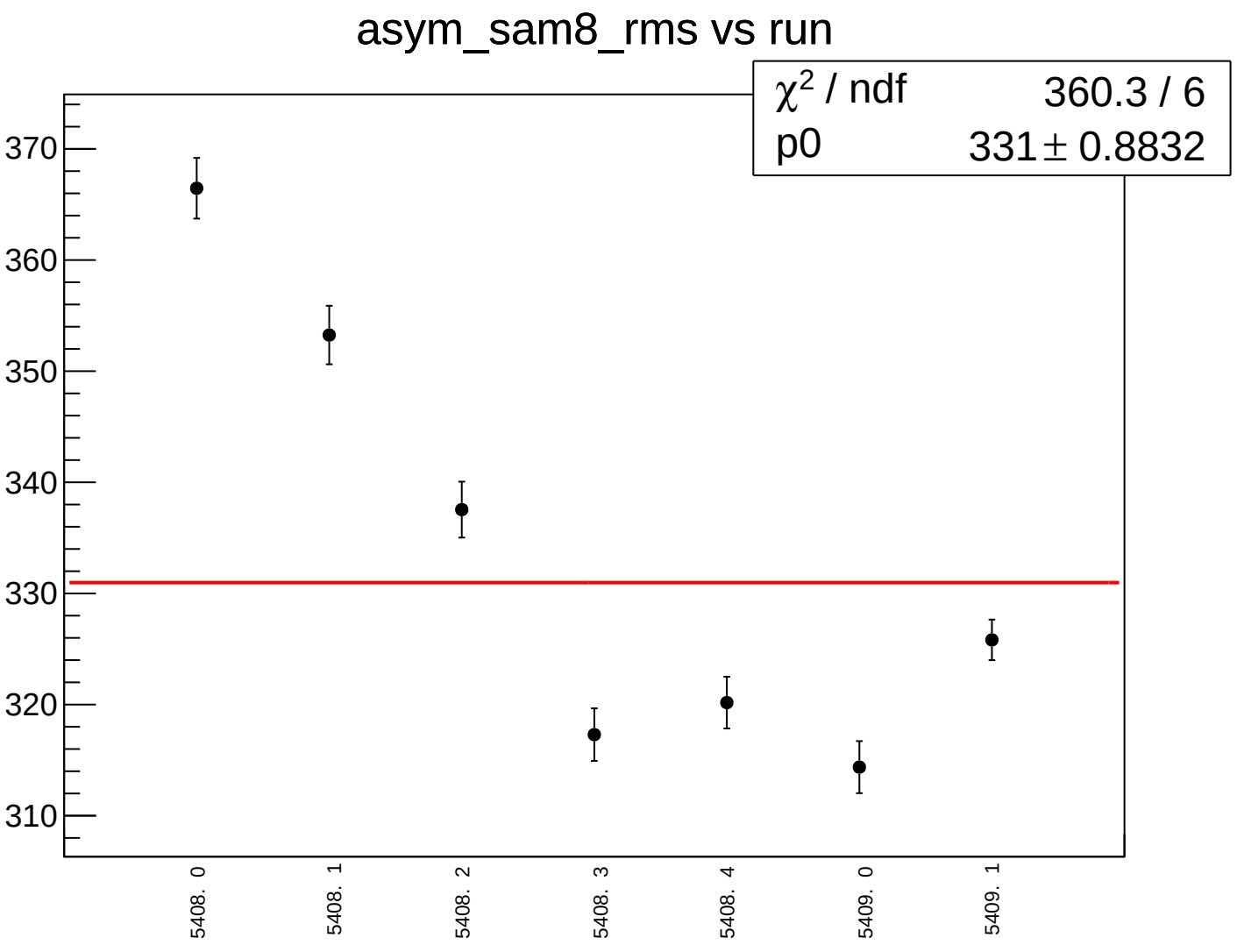

asym_sam8_correction_mean vs run
χ² / ndf 9.851 / 6
p0 −2328 ± 1393
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.333
Std Dev 10.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

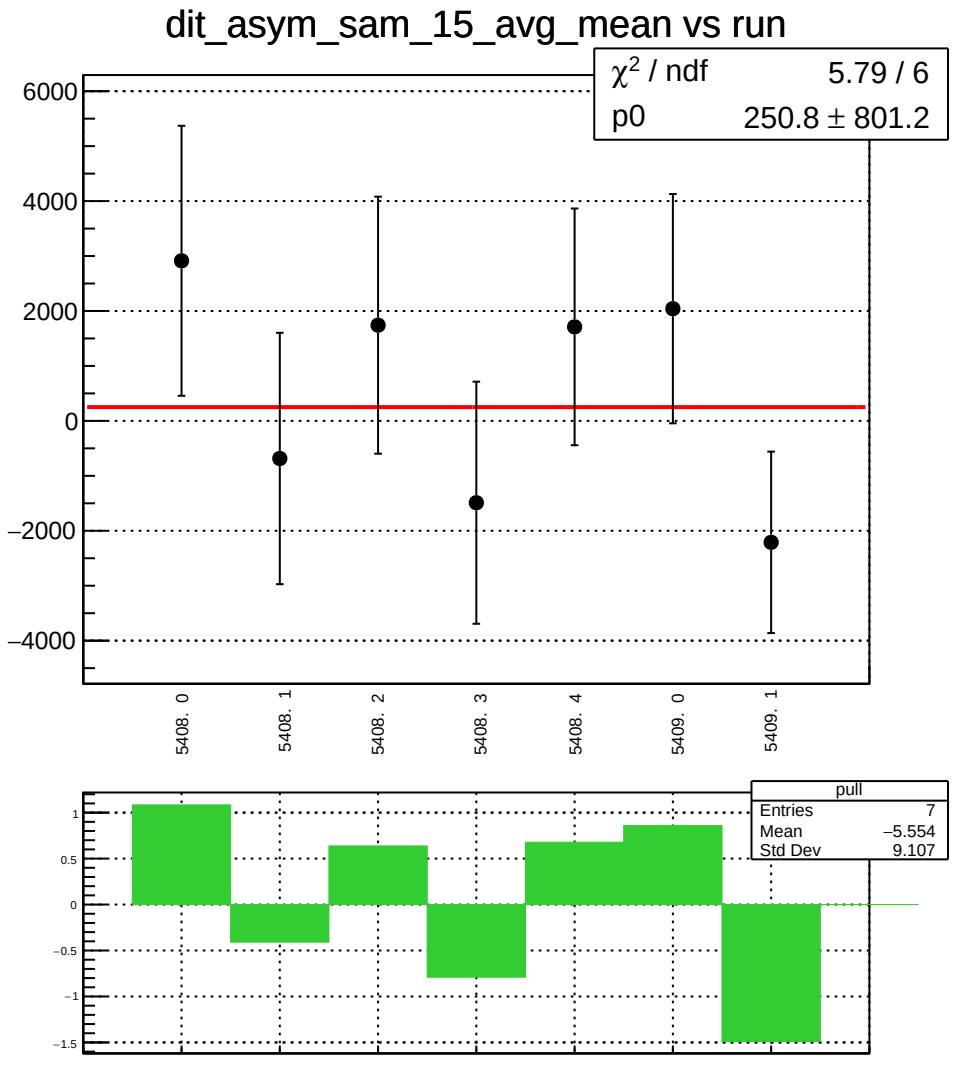

pull1D
Entries 7
Mean 0.03336
Std Dev 1.186
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

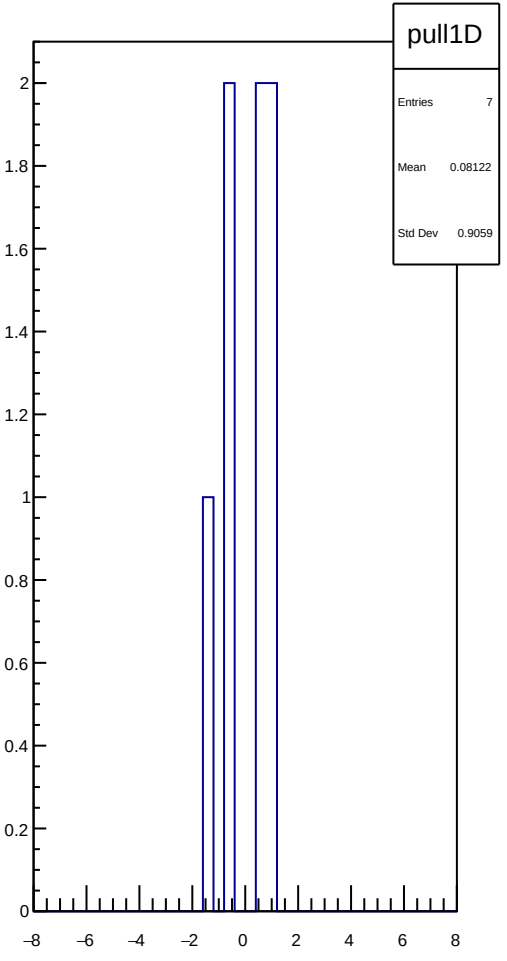

asym_sam8_correction_rms vs run
χ² / ndf 9.887 / 6
p0 369.6 ± 0.9849
378
376
374
372
370
368
366
364
362
360
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

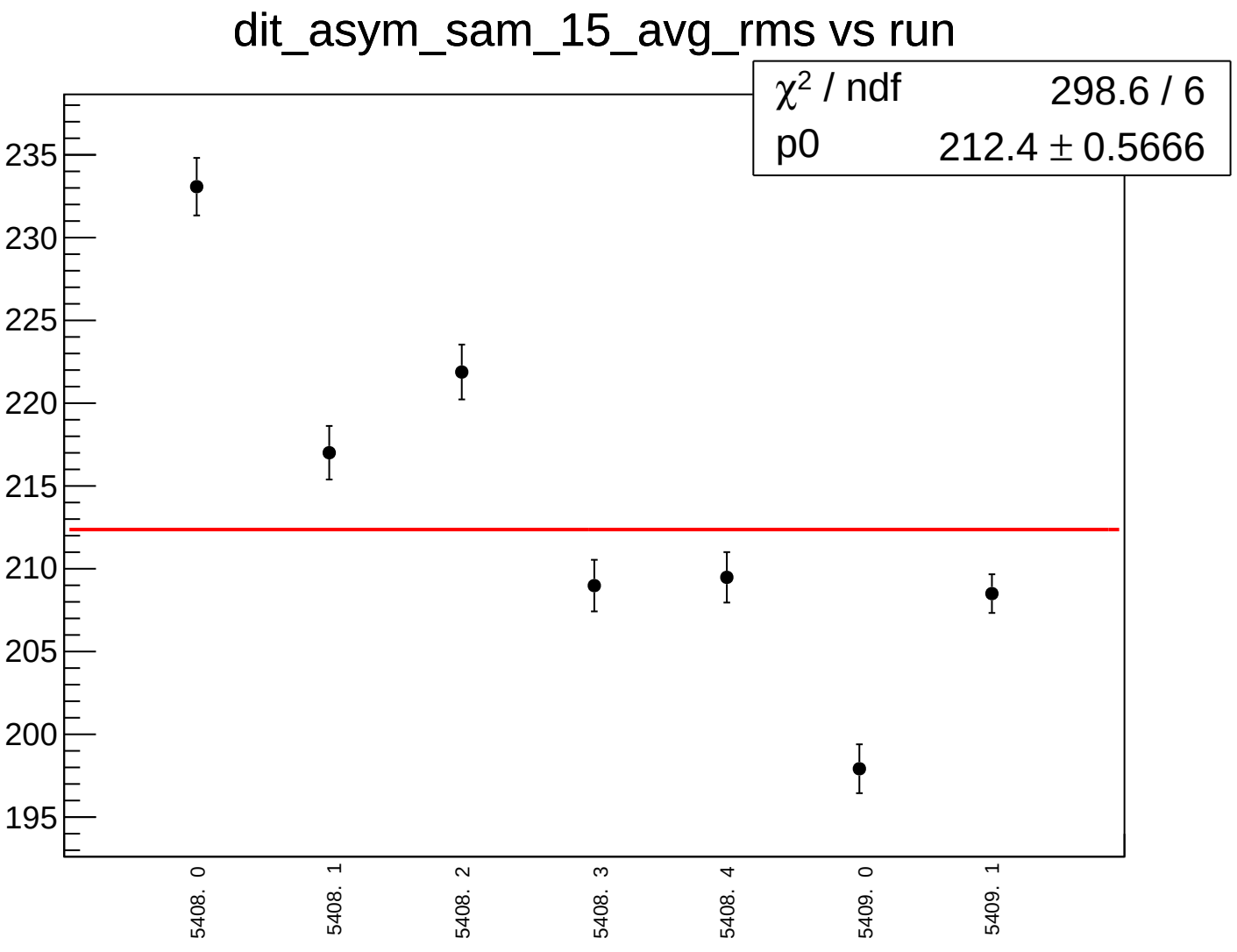

asym_sam8_mean vs run
χ² / ndf 7.454 / 6
p0 1447 ± 1249
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.2764
Std Dev 4.493
1.5
1
0.5
0
−0.5
−1
−1.5

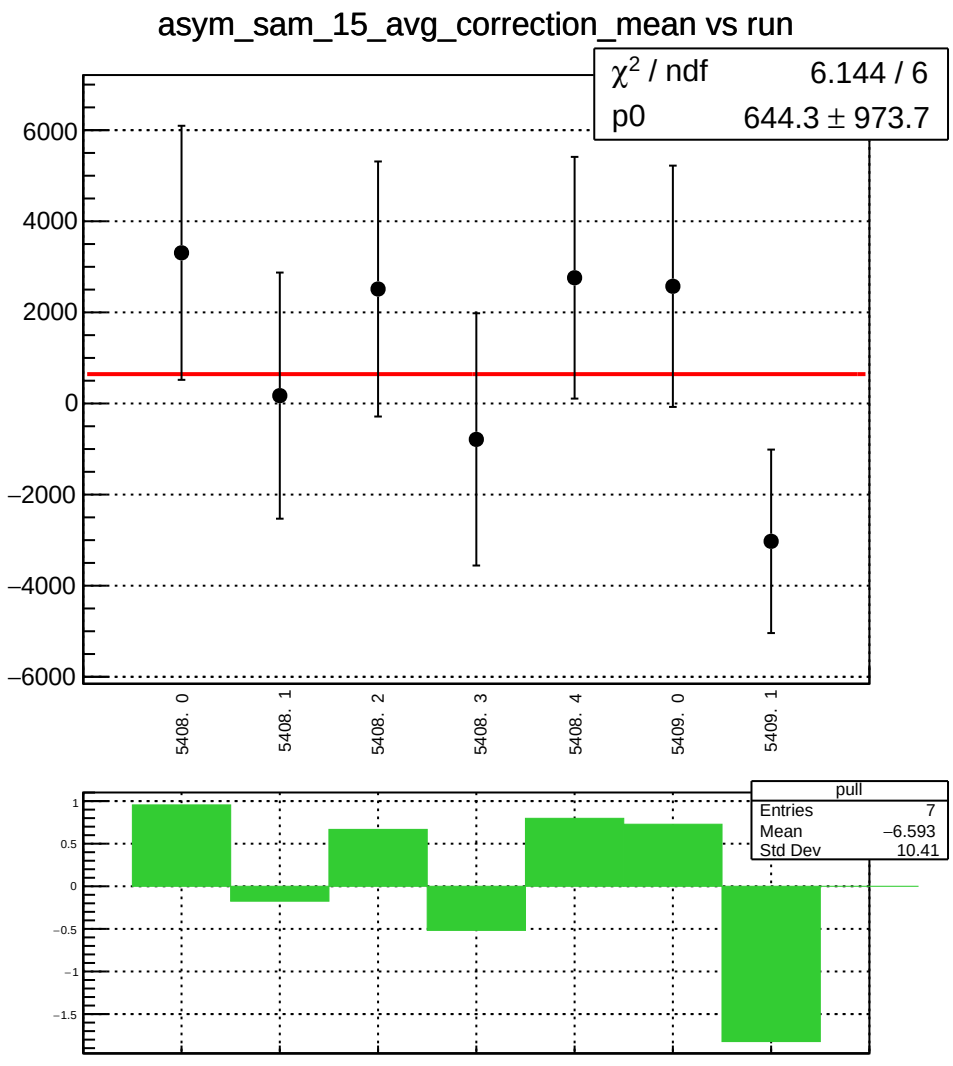

pull1D
Entries 7
Mean −0.05102
Std Dev 1.031
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

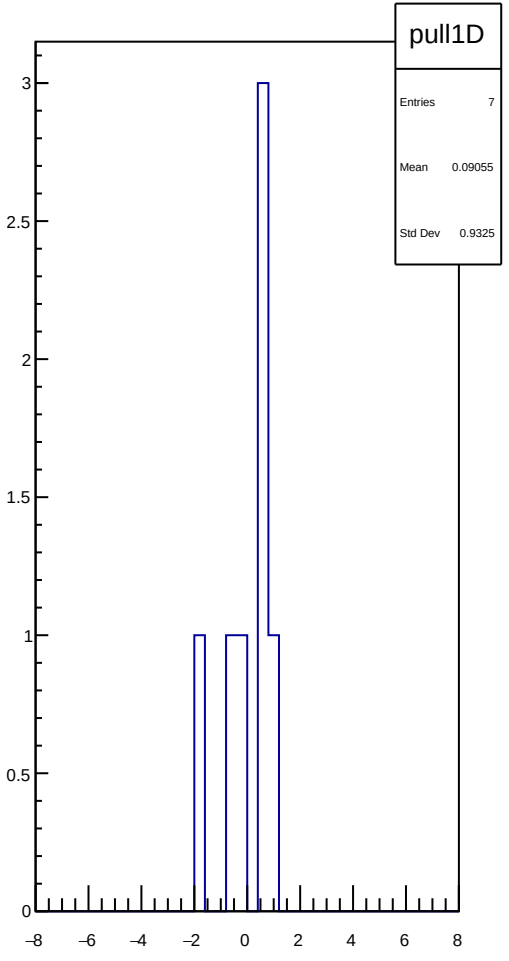

asym_sam8_rms vs run
χ^2 / ndf 360.3 / 6
p0 331 ± 0.8832
370
360
350
340
330
320
310
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

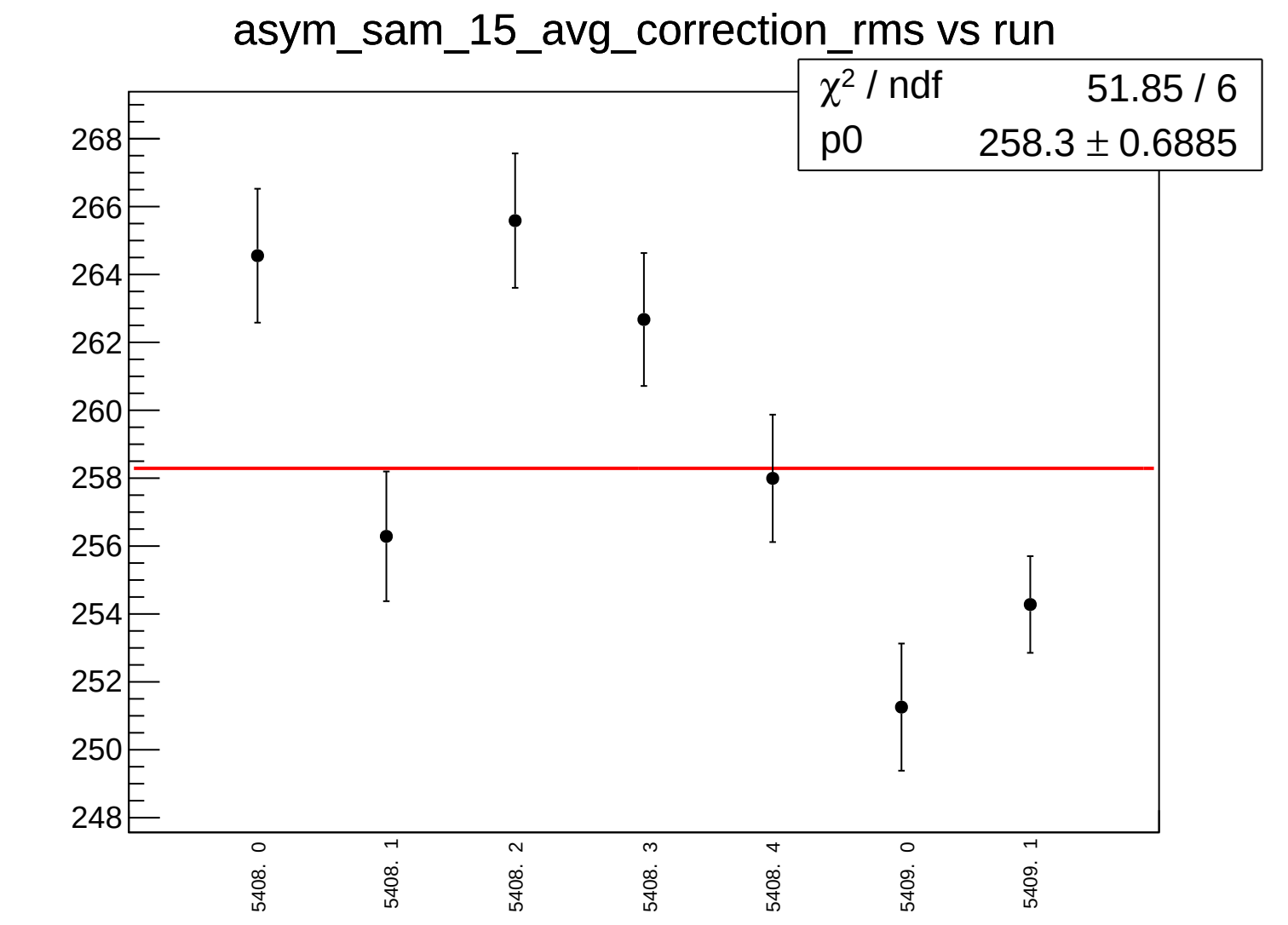

dit_asym_sam_15_avg_mean vs run
χ² / ndf 5.79 / 6
p0 250.8 ± 801.2
6000
4000
2000
0
−2000
−4000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −5.554
Std Dev 9.107
1
0.5
0
−0.5
−1
−1.5

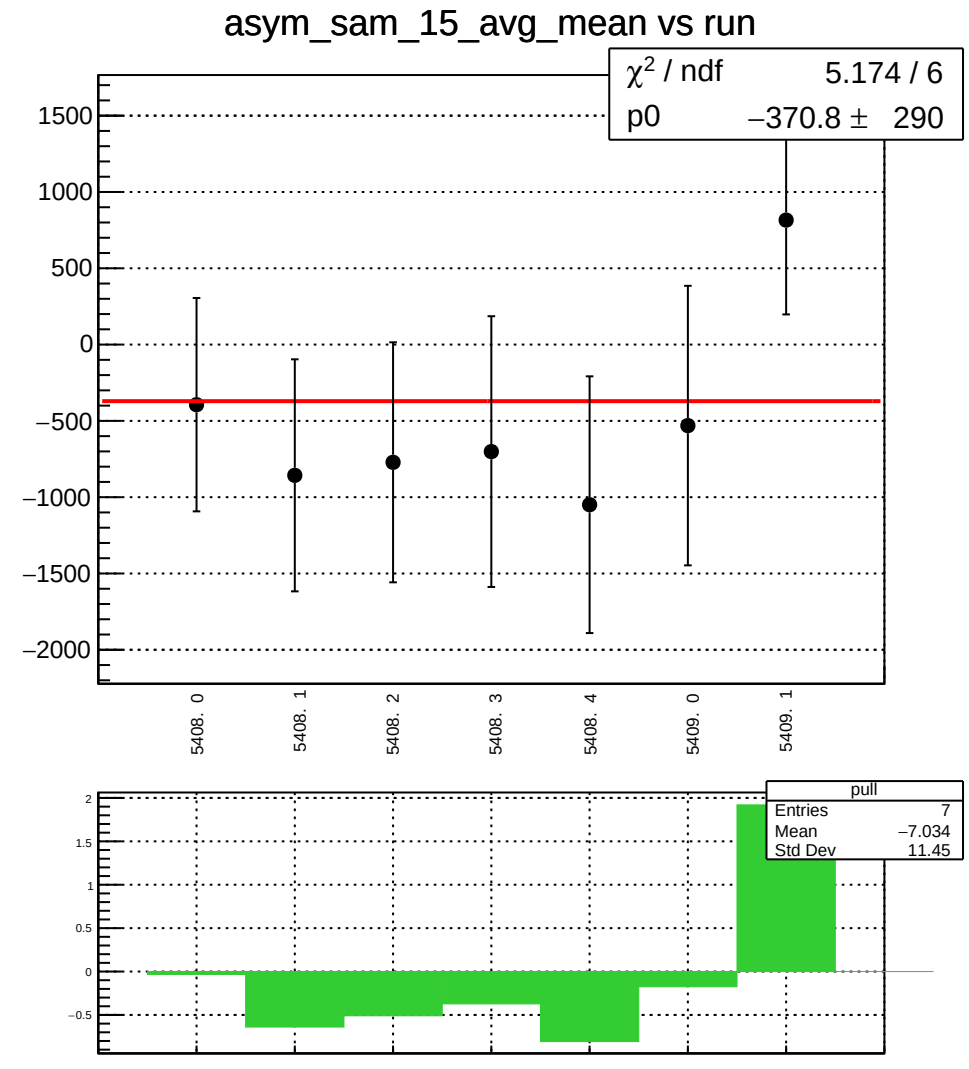

pull1D
Entries 7
Mean 0.08122
Std Dev 0.9059
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

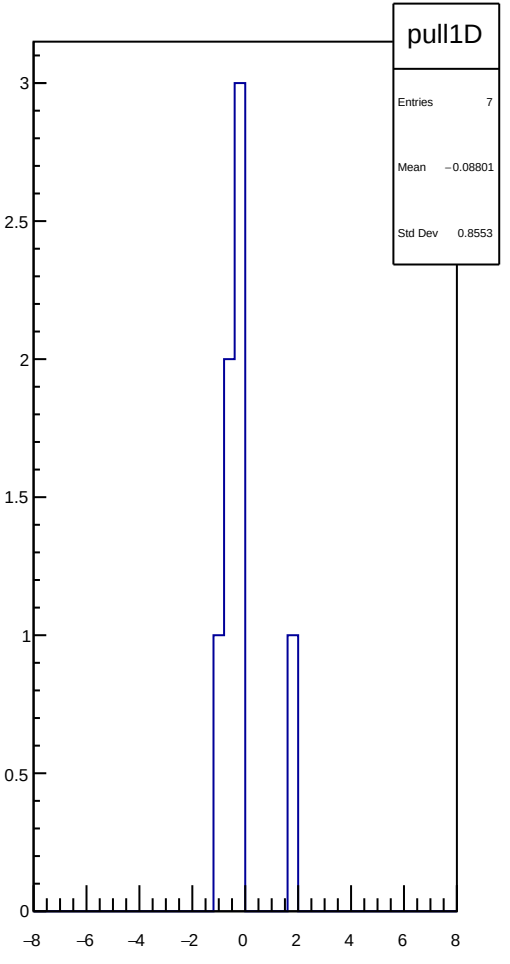

dit_asym_sam_15_avg_rms vs run
χ² / ndf 298.6 / 6
p0 212.4 ± 0.5666
235
230
225
220
215
210
205
200
195
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

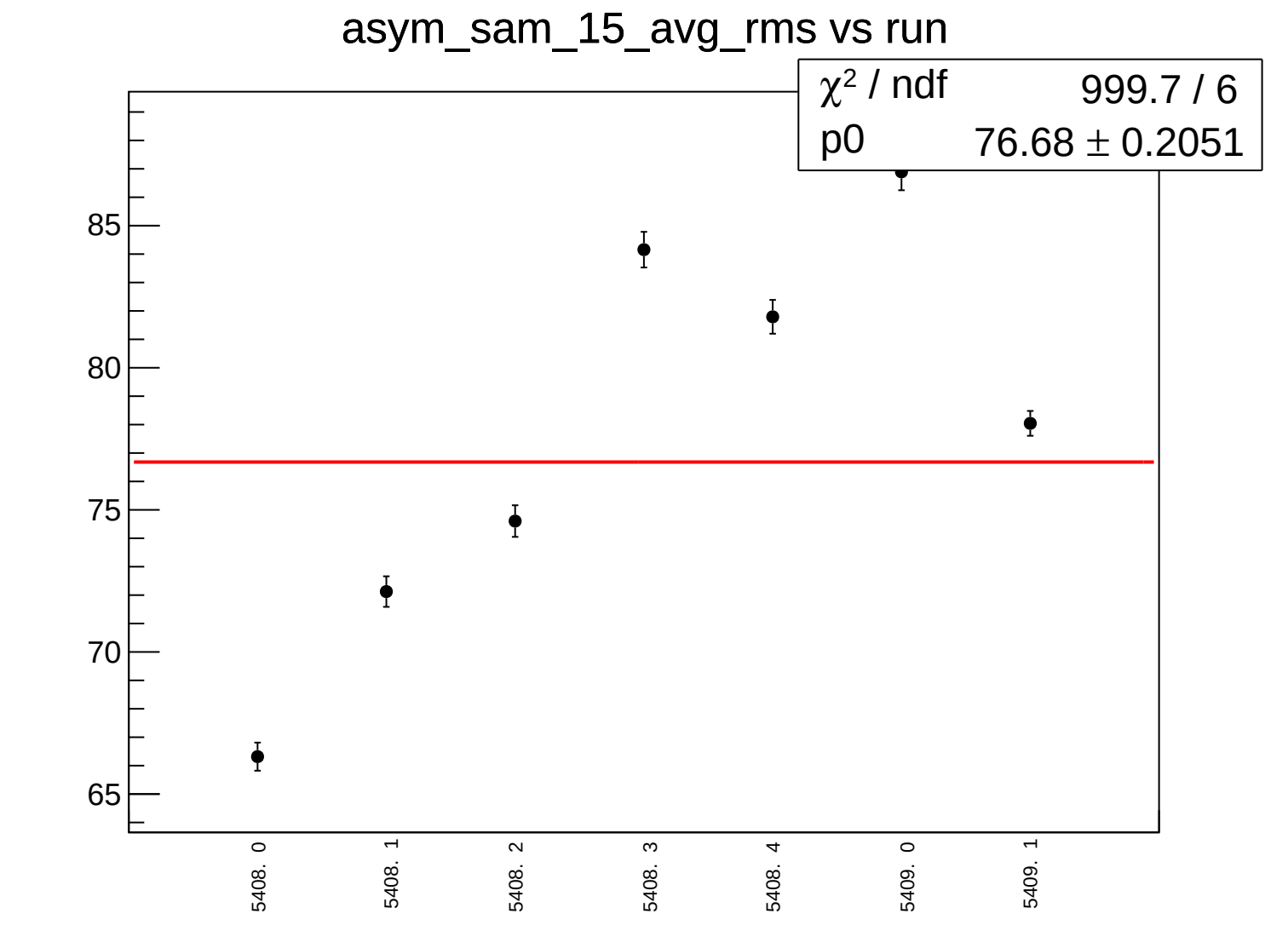

asym_sam_15_avg_correction_mean vs run
χ² / ndf 6.144 / 6
p0 644.3 ± 973.7
6000
4000
2000
0
−2000
−4000
−6000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −6.593
Std Dev 10.41
1
0.5
0
−0.5
−1
−1.5

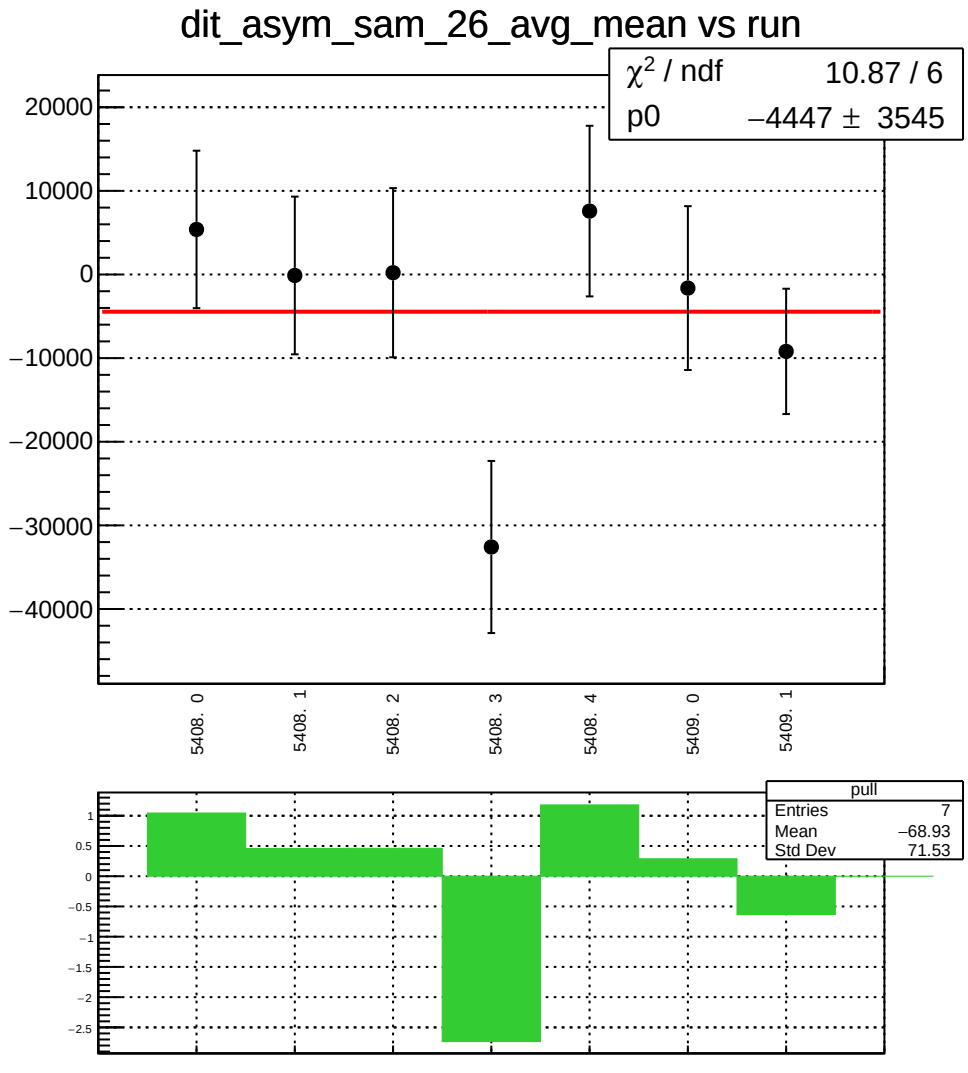

pull1D
Entries 7
Mean 0.09055
Std Dev 0.9325
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

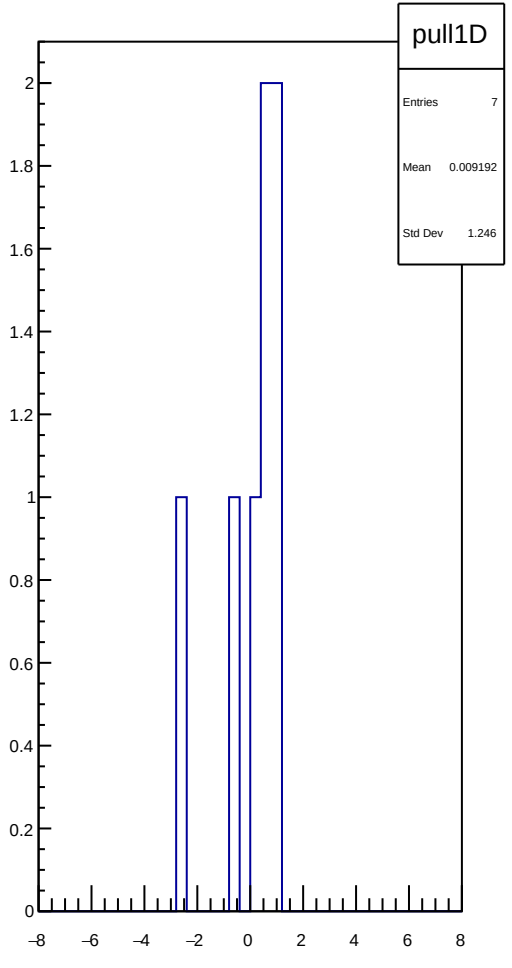

asym_sam_15_avg_correction_rms vs run
χ² / ndf 51.85 / 6
p0 258.3 ± 0.6885
268
266
264
262
260
258
256
254
252
250
248
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

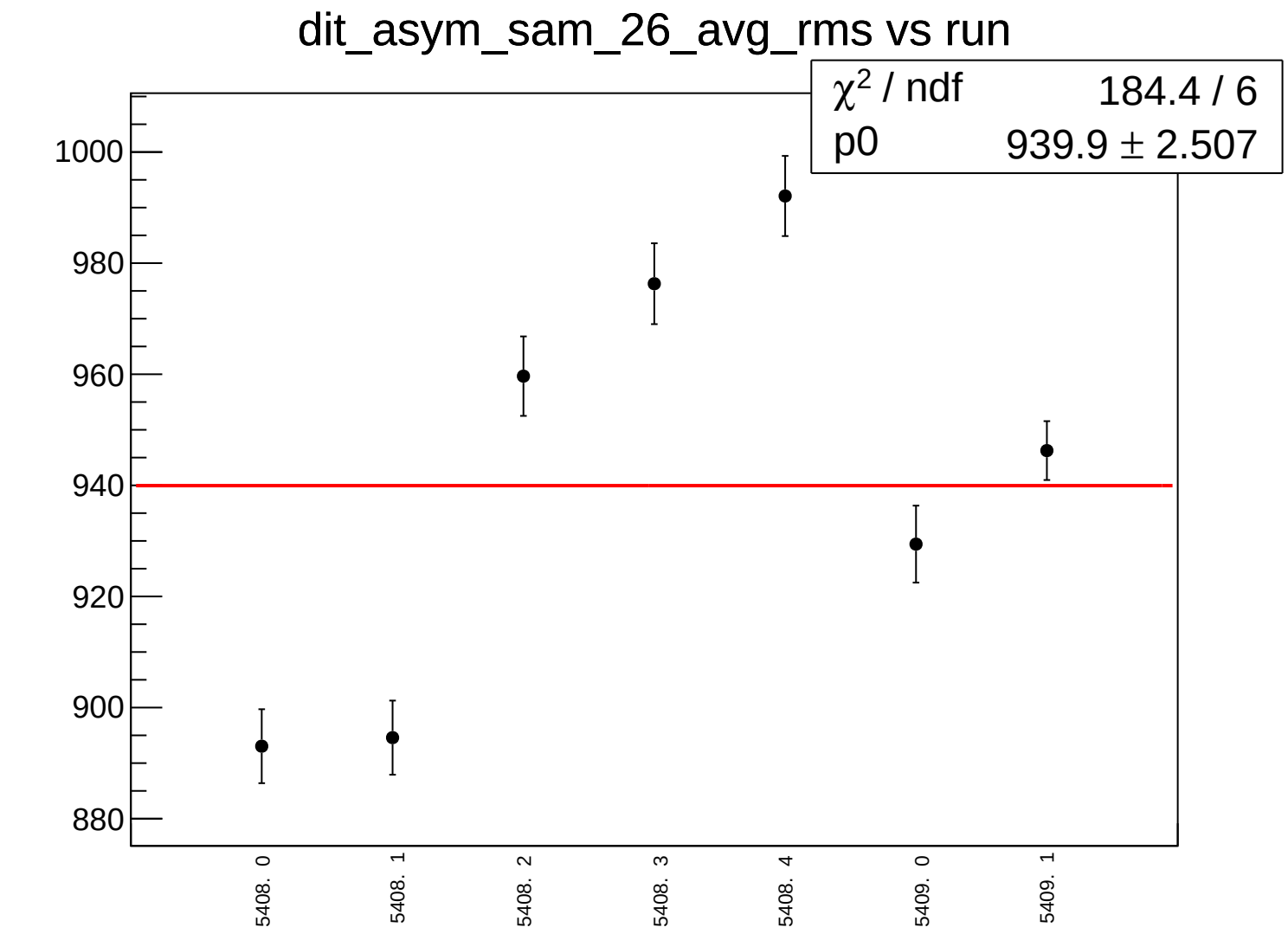

asym_sam_15_avg_mean vs run
χ² / ndf 5.174 / 6
p0 −370.8 ± 290
1500
1000
500
0
−500
−1000
−1500
−2000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.034
Std Dev 11.45
2
1.5
1
0.5
0
−0.5

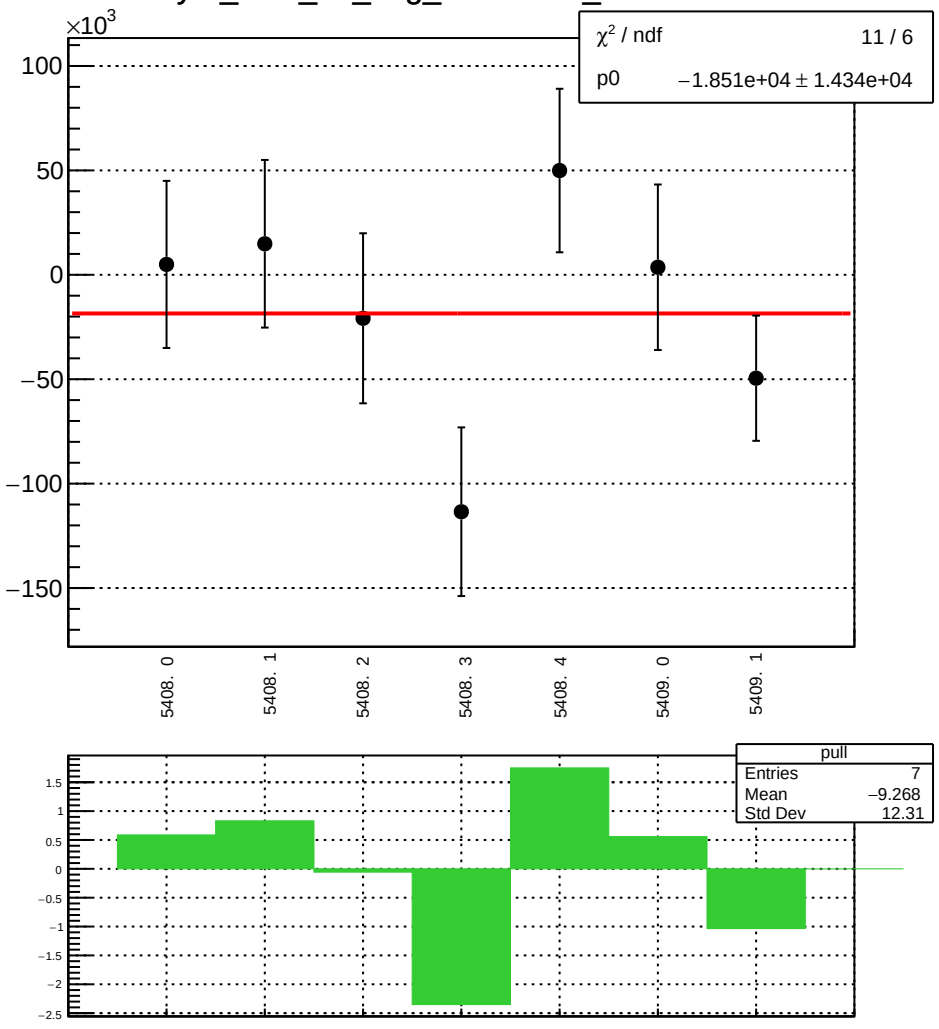

pull1D
Entries 7
Mean −0.08801
Std Dev 0.8553
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

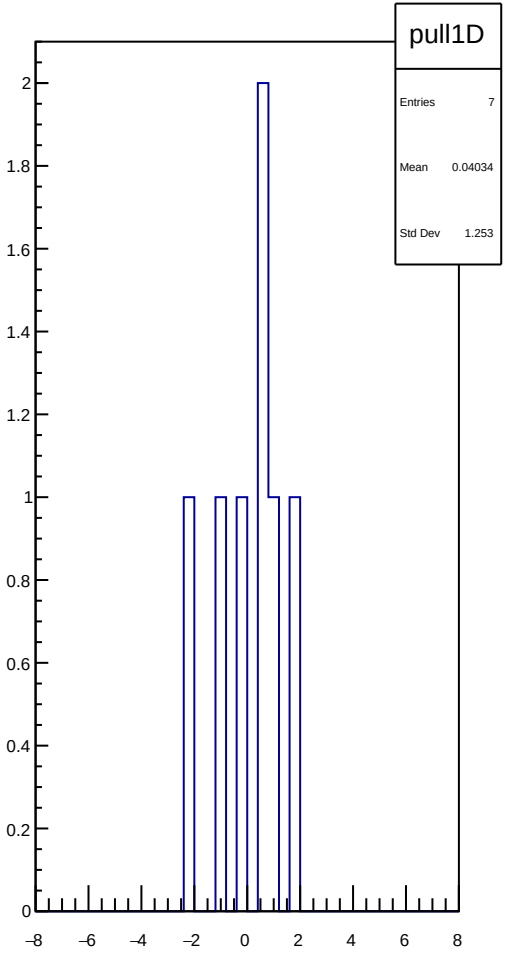

asym_sam_15_avg_rms vs run
χ² / ndf 999.7 / 6
p0 76.68 ± 0.2051
85
80
75
70
65
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

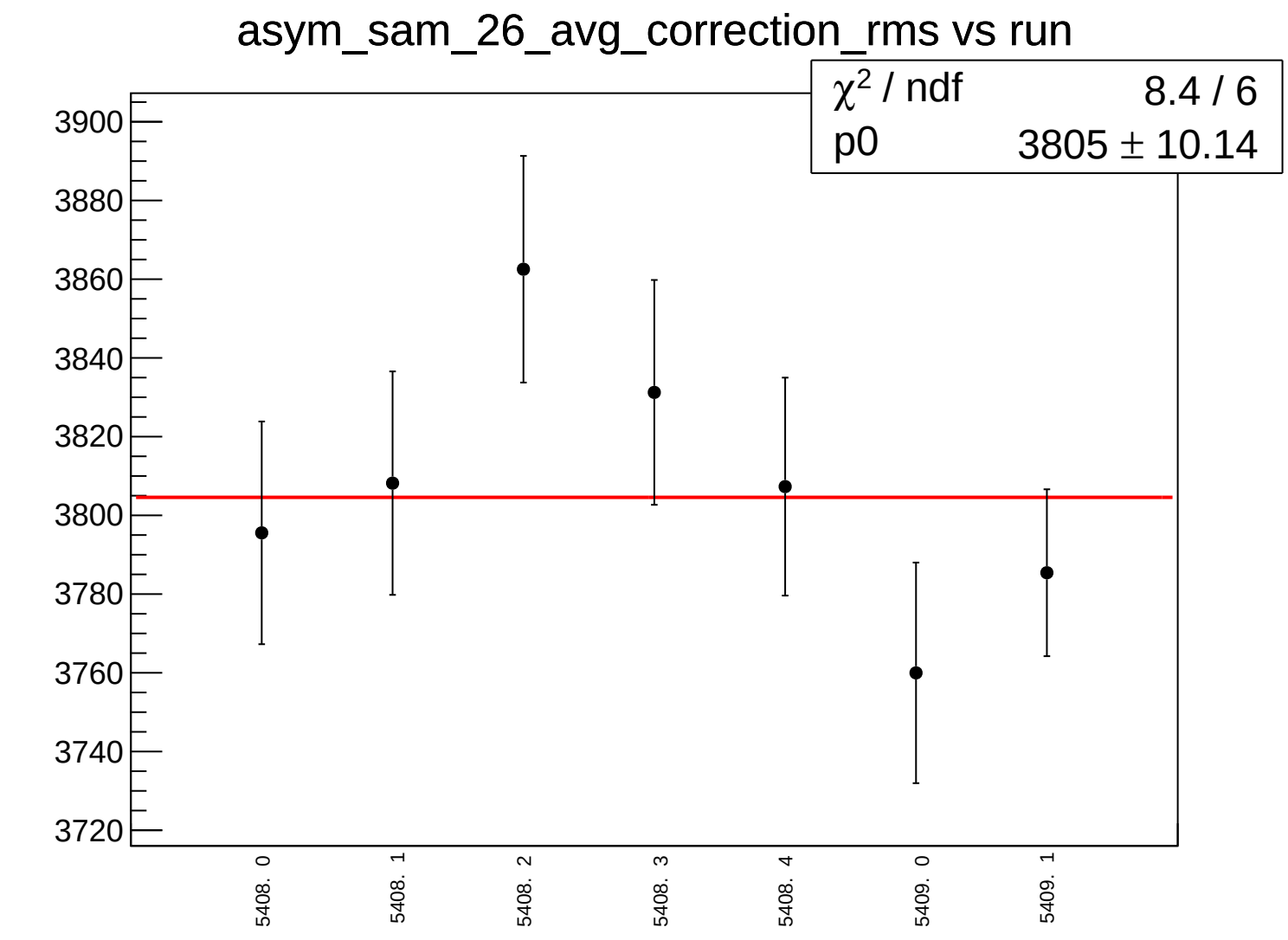

dit_asym_sam_26_avg_mean vs run
χ² / ndf 10.87 / 6
p0 −4447 ± 3545
20000
10000
0
−10000
−20000
−30000
−40000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −68.93
Std Dev 71.53
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

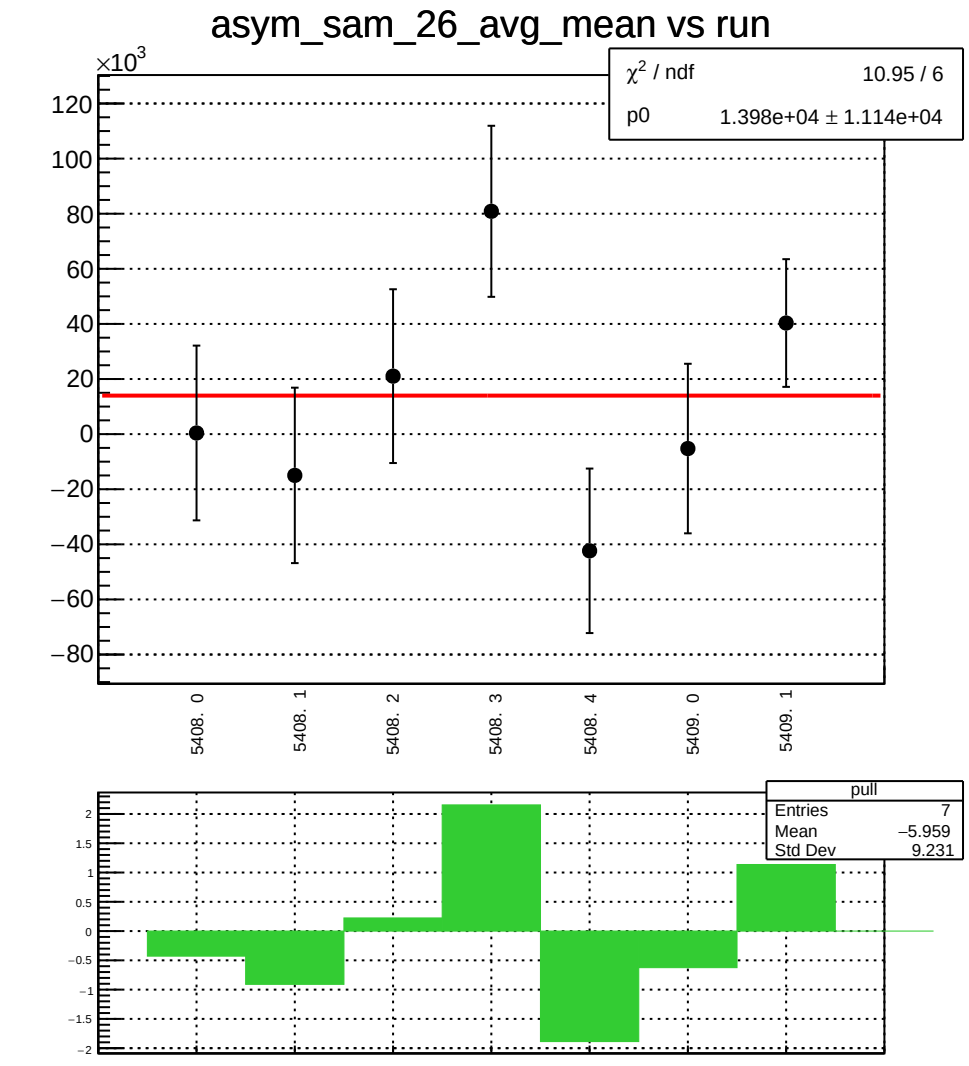

pull1D
Entries 7
Mean 0.009192
Std Dev 1.246
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

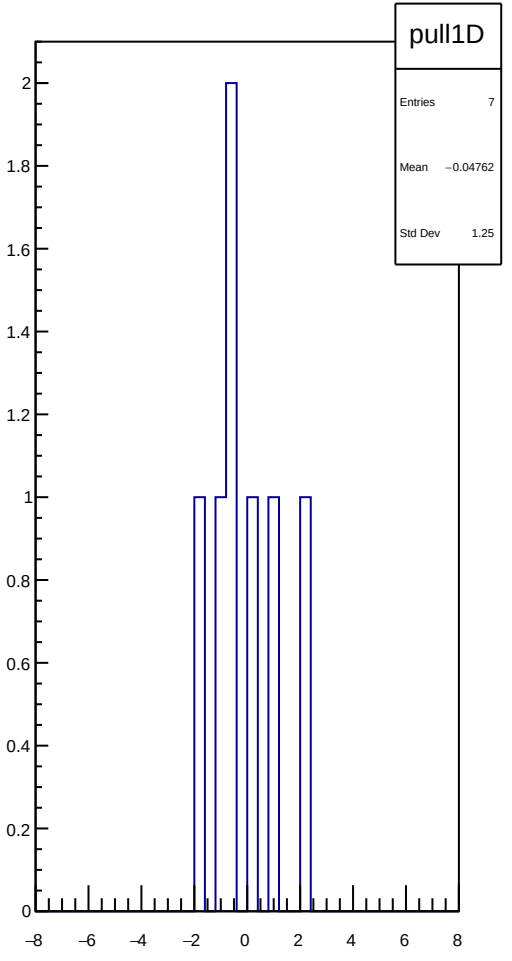

dit_asym_sam_26_avg_rms vs run
χ² / ndf 184.4 / 6
p0 939.9 ± 2.507
1000
980
960
940
920
900
880
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

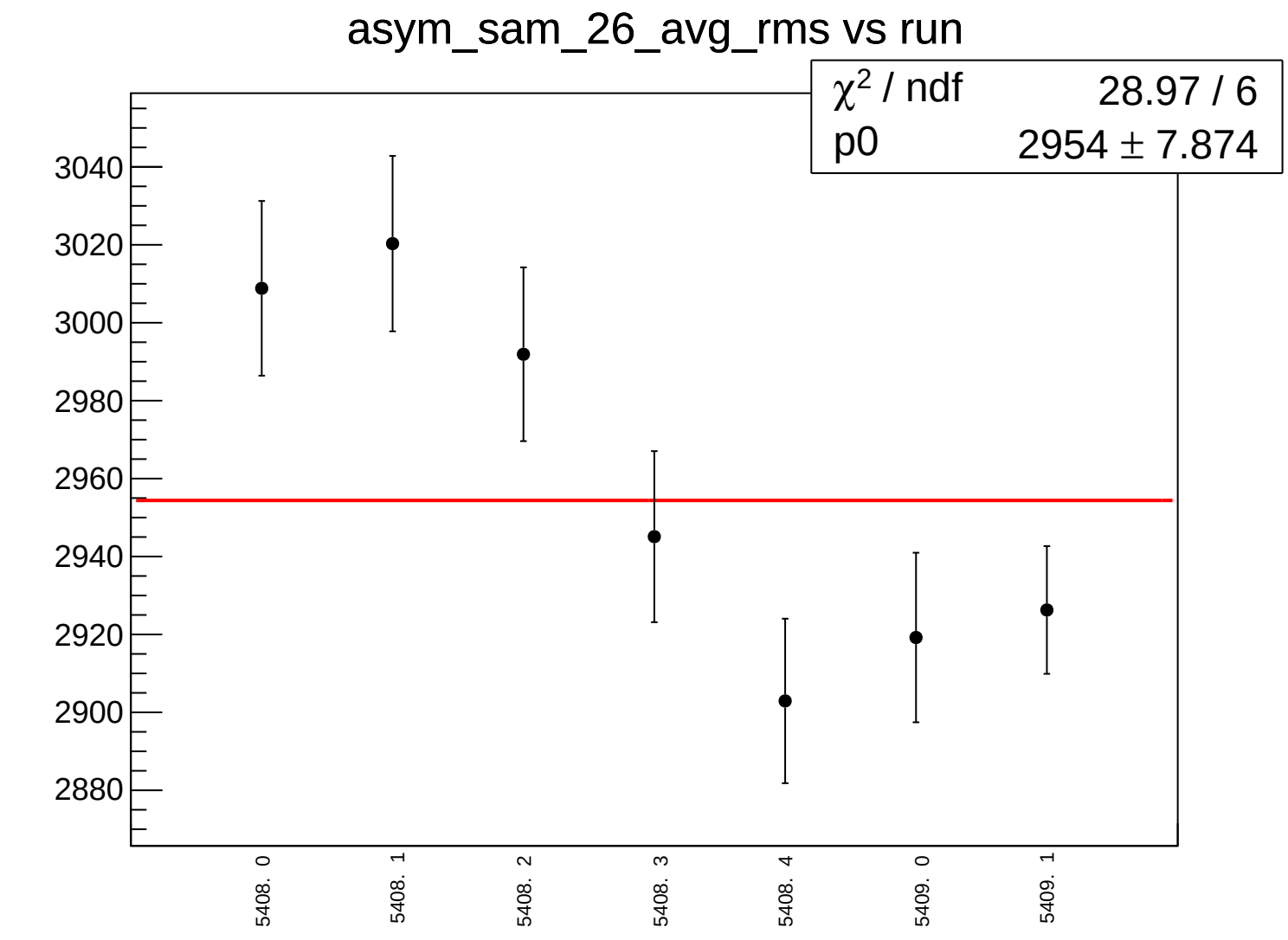

asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 11 / 6
p0 −1.851e+04 ± 1.434e+04
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.268
Std Dev 12.31
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

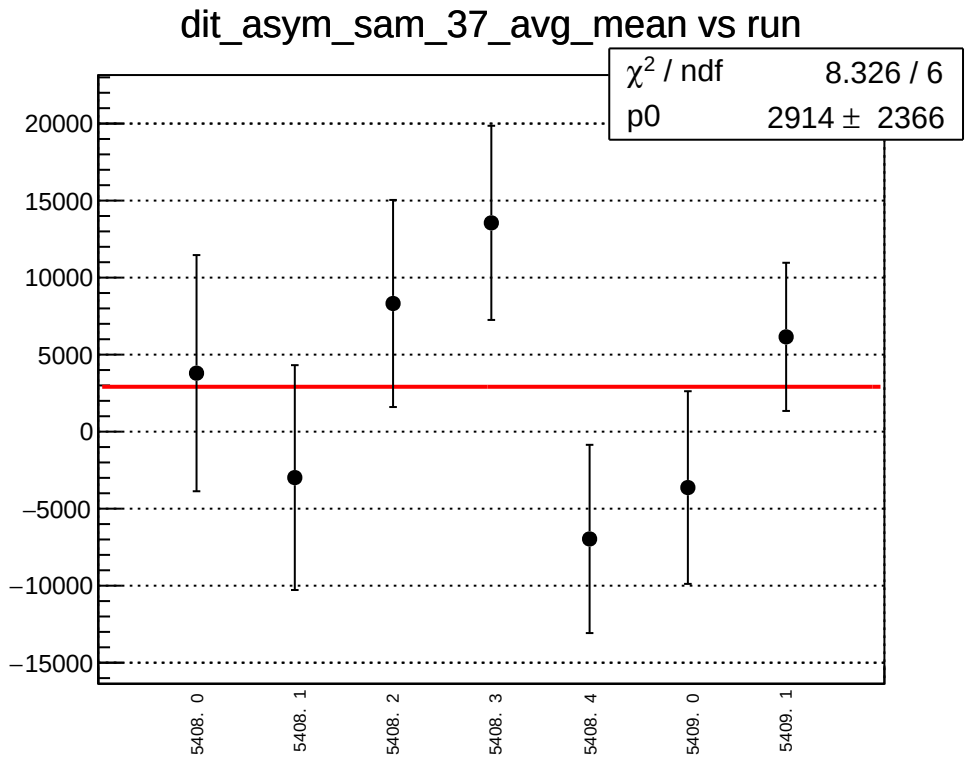

pull1D
Entries 7
Mean 0.04034
Std Dev 1.253
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

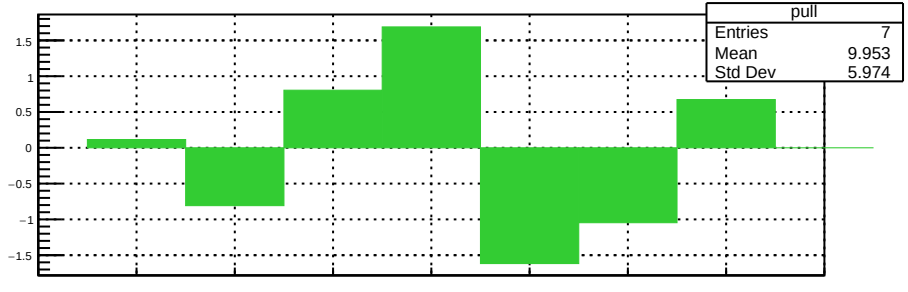

asym_sam_26_avg_correction_rms vs run
χ² / ndf 8.4 / 6
p0 3805 ± 10.14
3900
3880
3860
3840
3820
3800
3780
3760
3740
3720
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

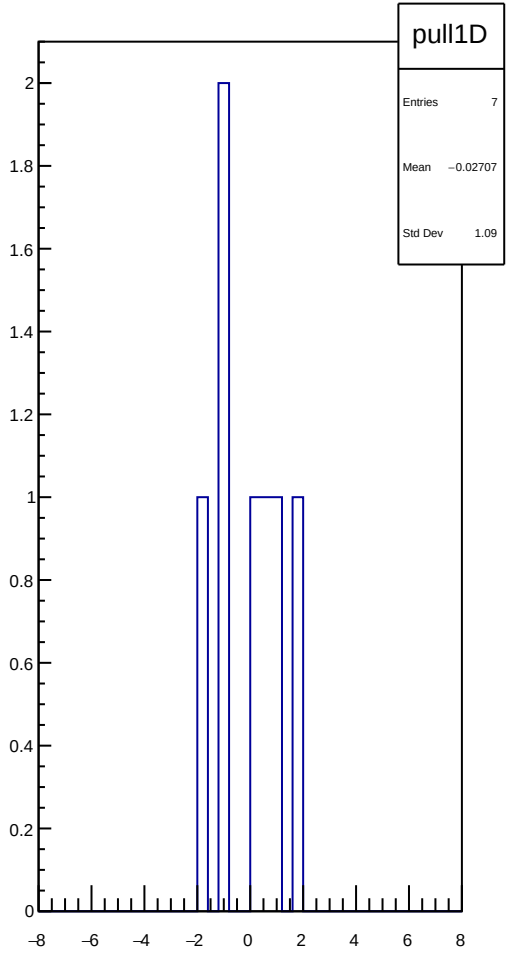

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 10.95 / 6
p0 1.398e+04 ± 1.114e+04
120
100
80
60
40
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −5.959
Std Dev 9.231
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

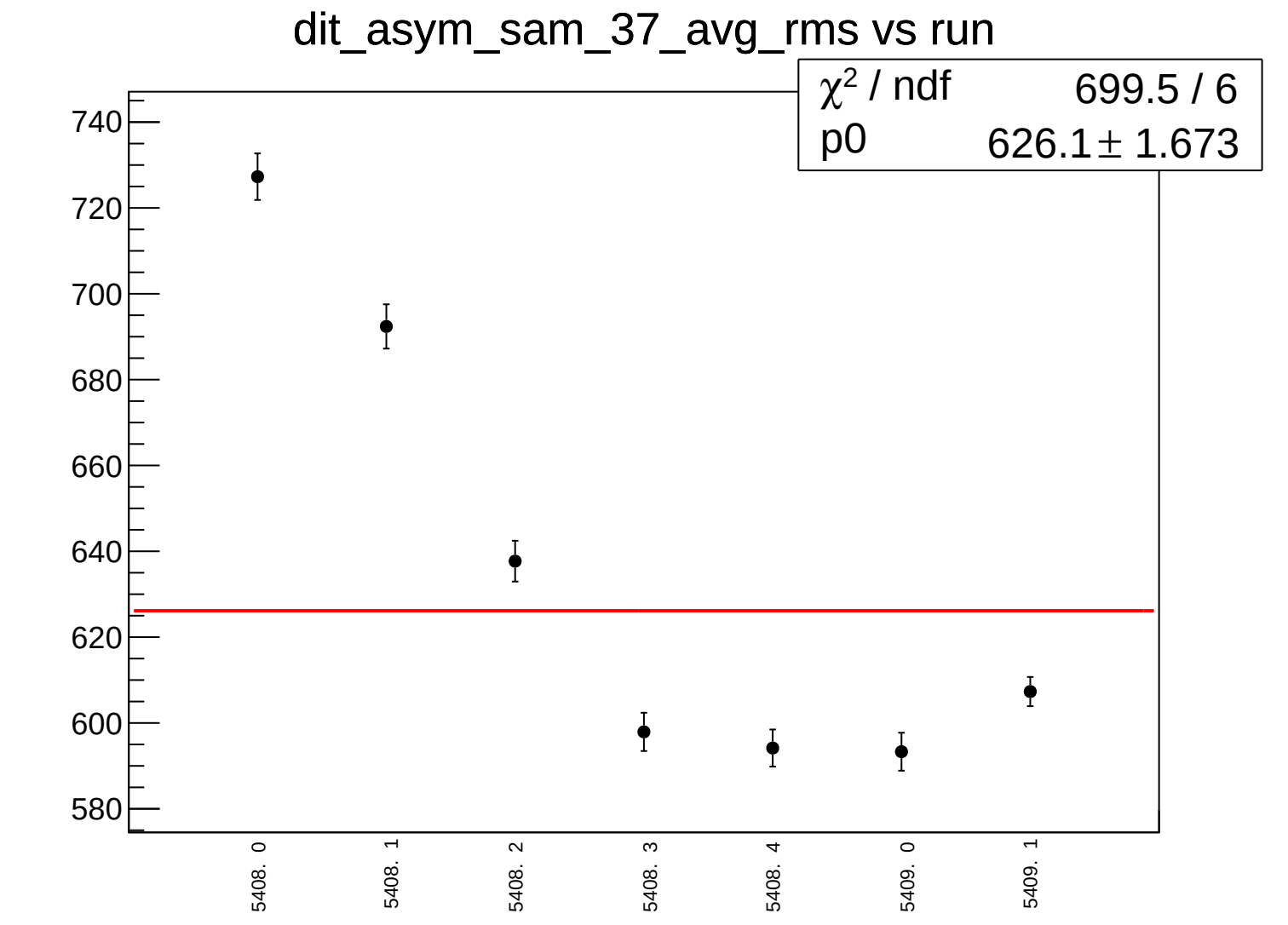

pull1D
Entries 7
Mean −0.04762
Std Dev 1.25
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

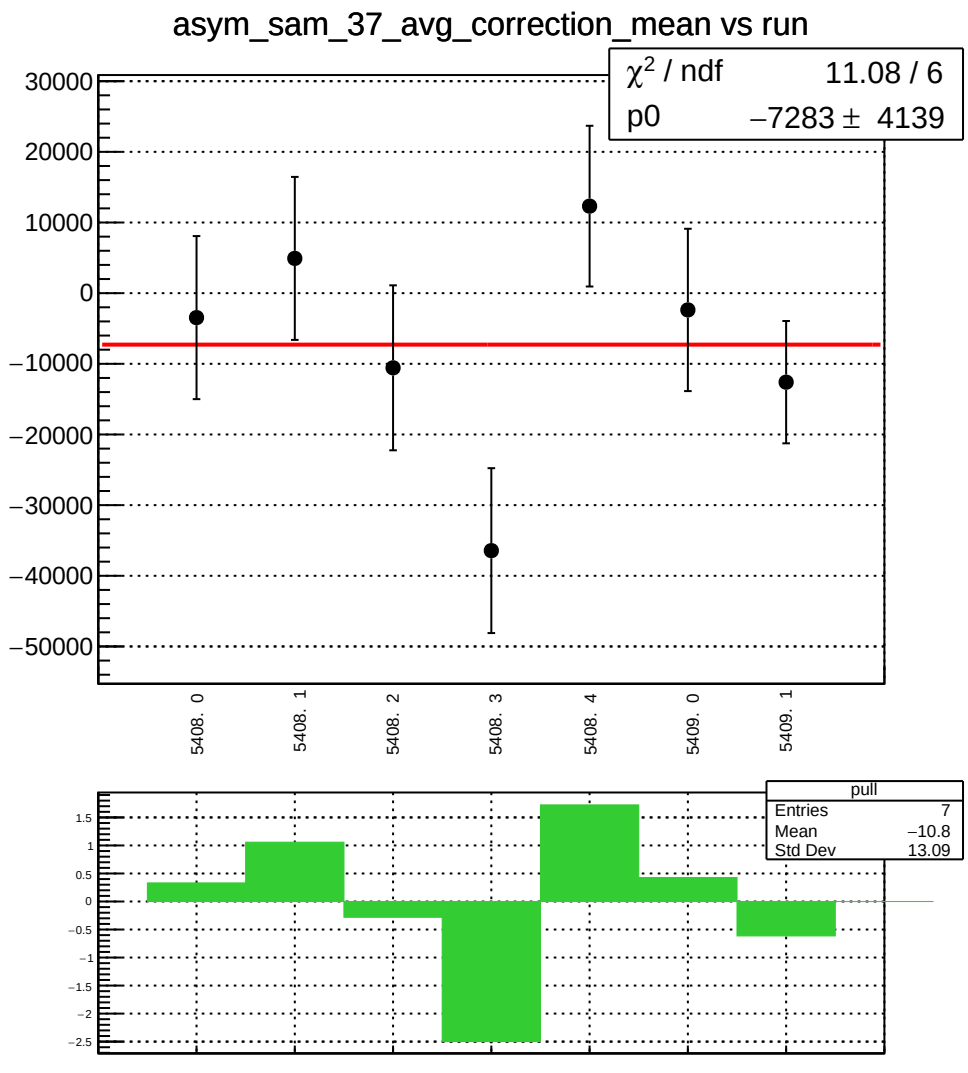

asym_sam_26_avg_rms vs run
χ² / ndf 28.97 / 6
p0 2954 ± 7.874
3040
3020
3000
2980
2960
2940
2920
2900
2880
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

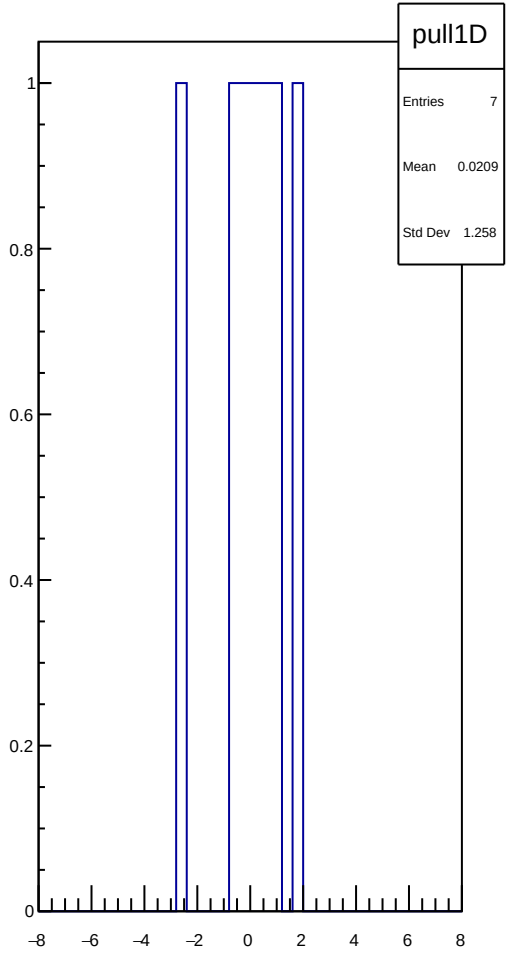

dit_asym_sam_37_avg_mean vs run
χ² / ndf 8.326 / 6
p0 2914 ± 2366
20000
15000
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

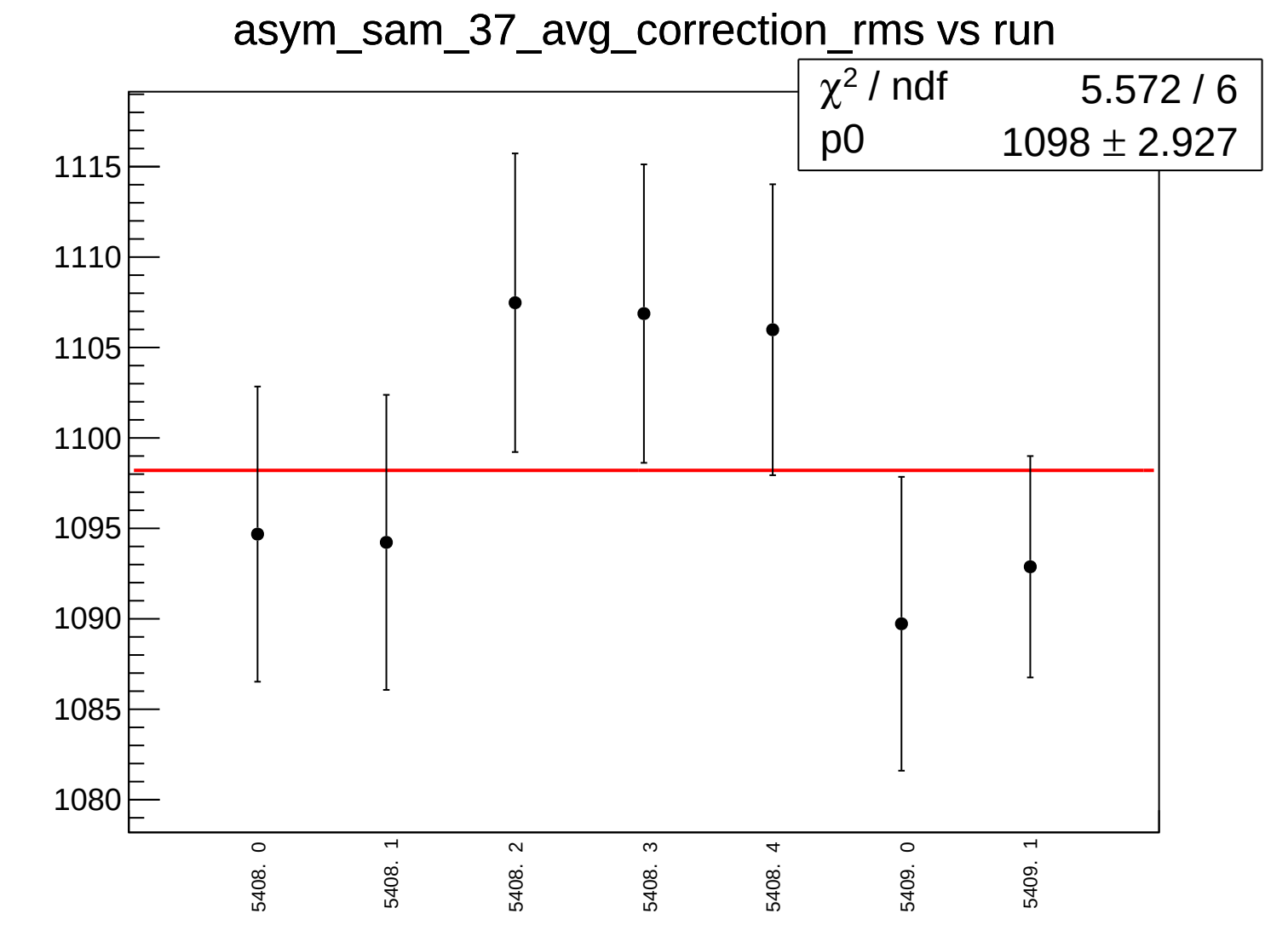

pull
Entries 7
Mean 9.953
Std Dev 5.974
1.5
1
0.5
0
−0.5
−1
−1.5

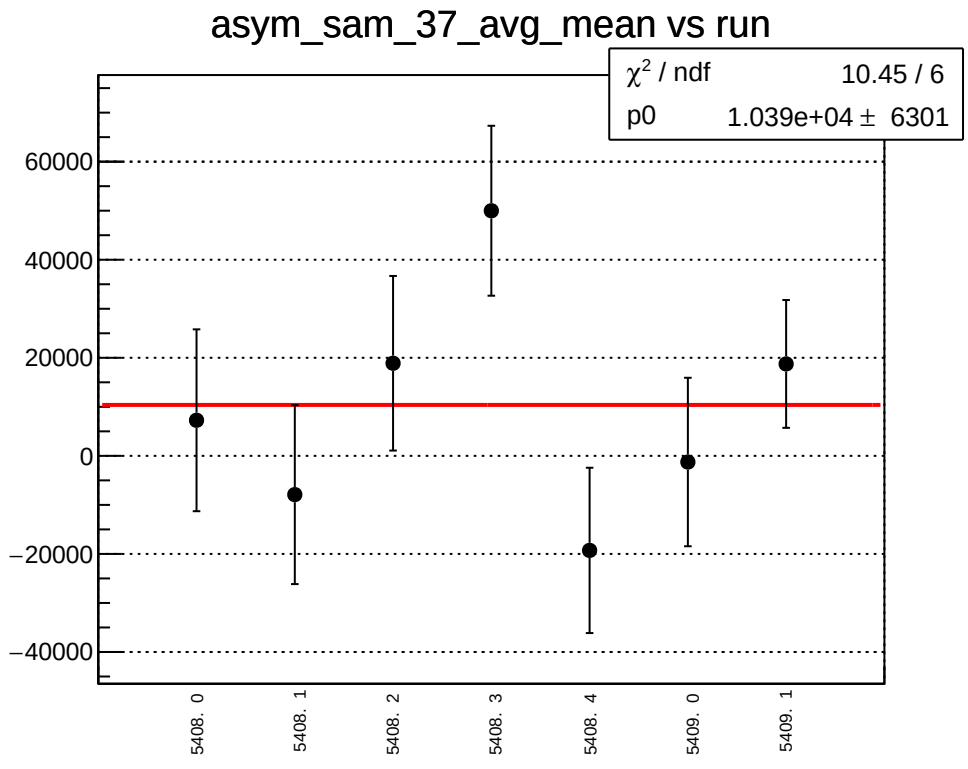

pull1D
Entries 7
Mean −0.02707
Std Dev 1.09
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

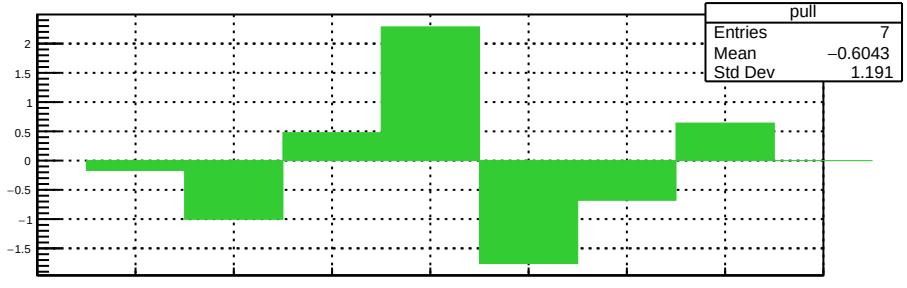

dit_asym_sam_37_avg_rms vs run
χ² / ndf 699.5 / 6
p0 626.1 ± 1.673
740
720
700
680
660
640
620
600
580
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

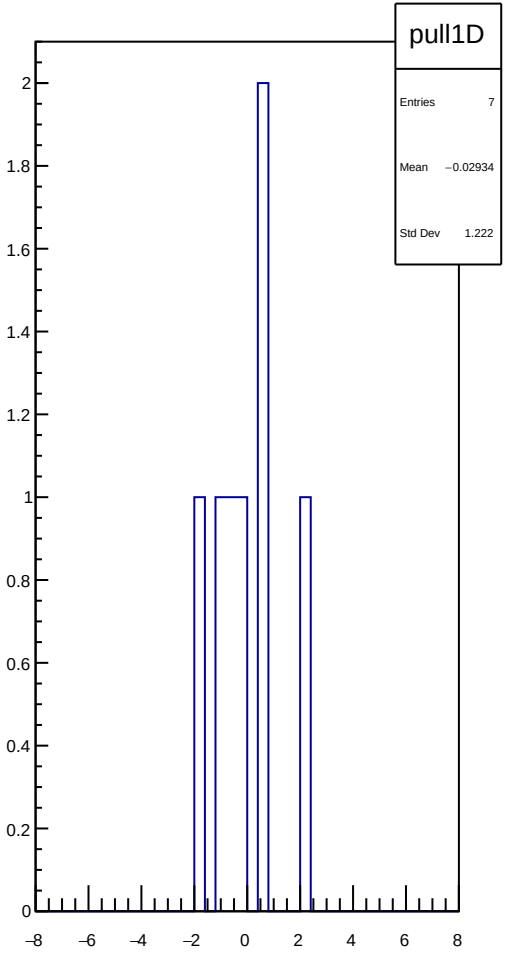

asym_sam_37_avg_correction_mean vs run
χ² / ndf 11.08 / 6
p0 −7283 ± 4139
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.8
Std Dev 13.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

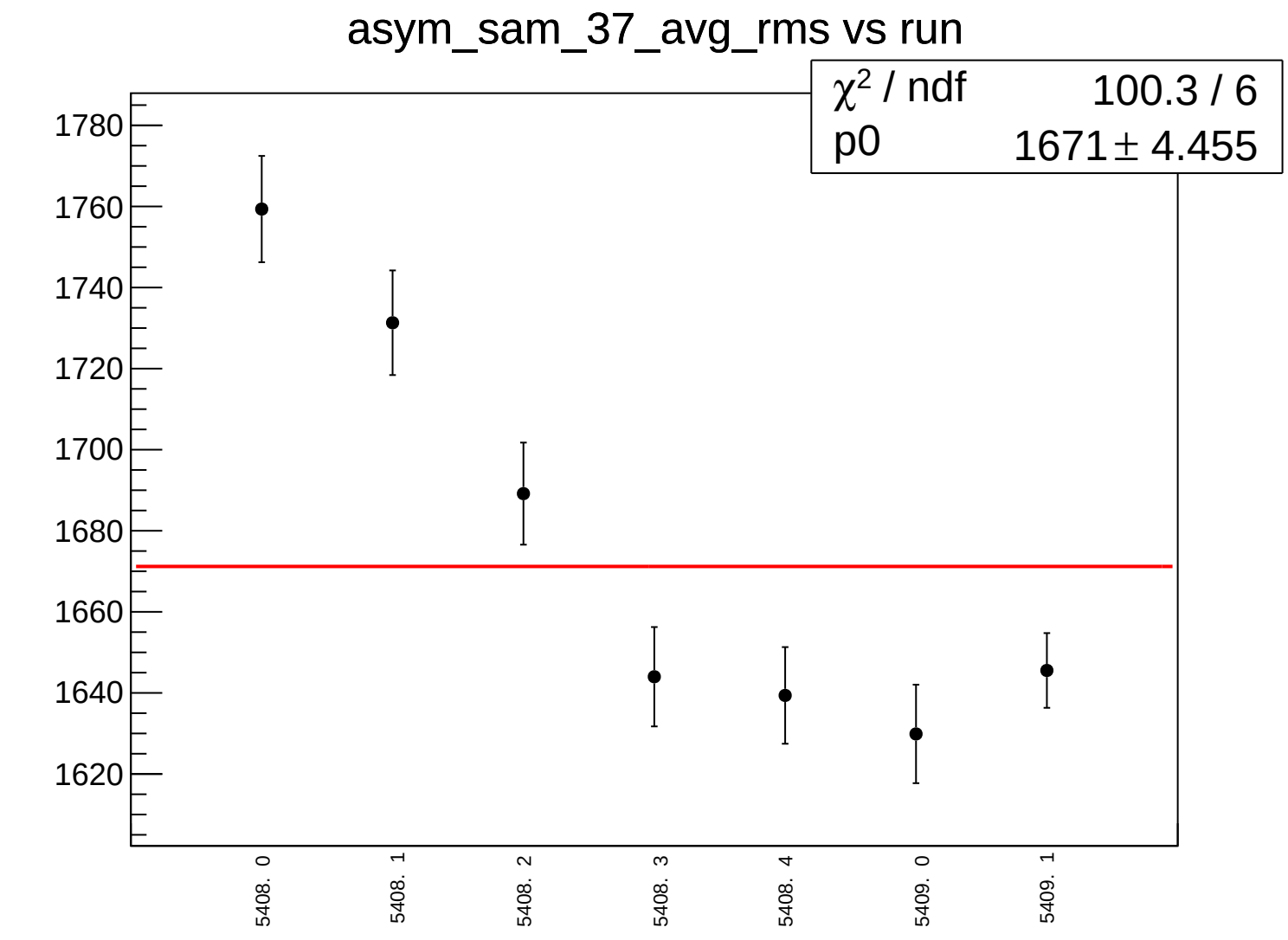

pull1D
Entries 7
Mean 0.0209
Std Dev 1.258
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

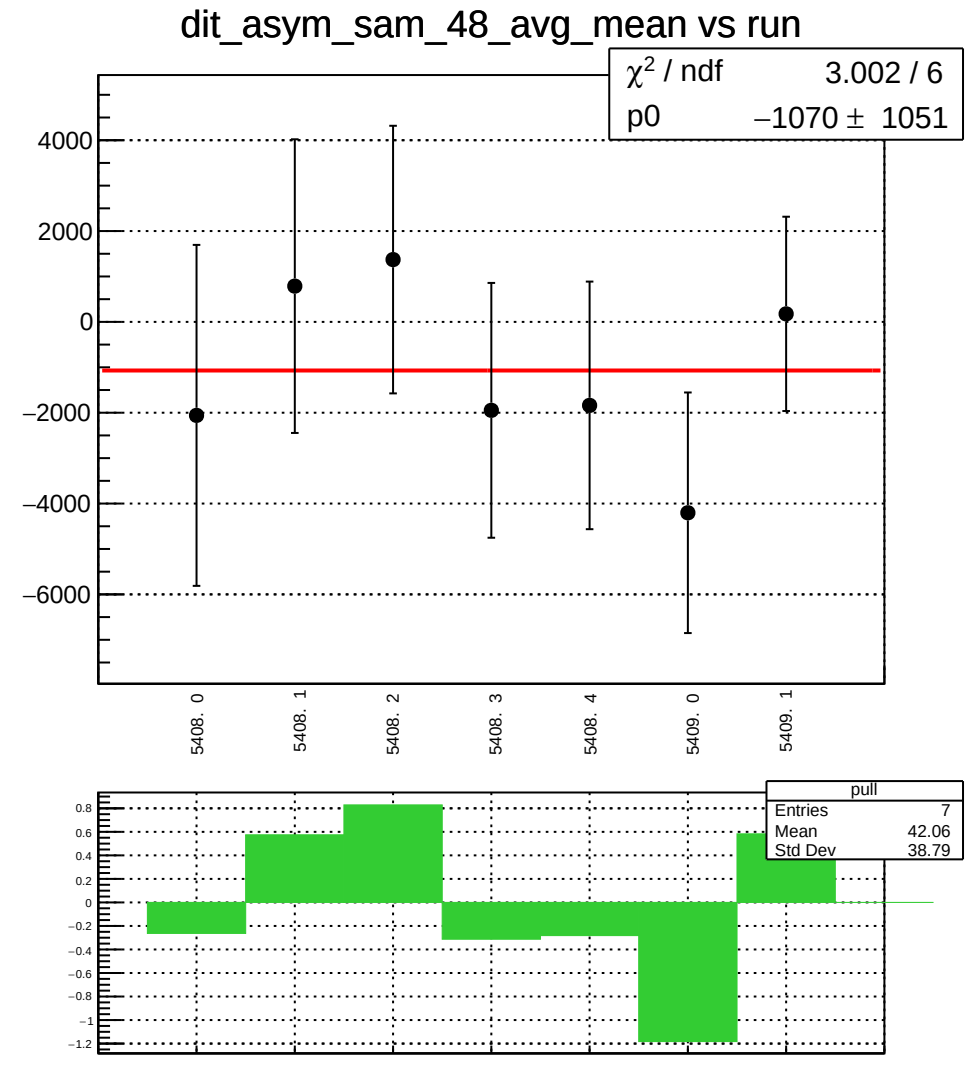

asym_sam_37_avg_correction_rms vs run
χ² / ndf 5.572 / 6
p0 1098 ± 2.927
1115
1110
1105
1100
1095
1090
1085
1080
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

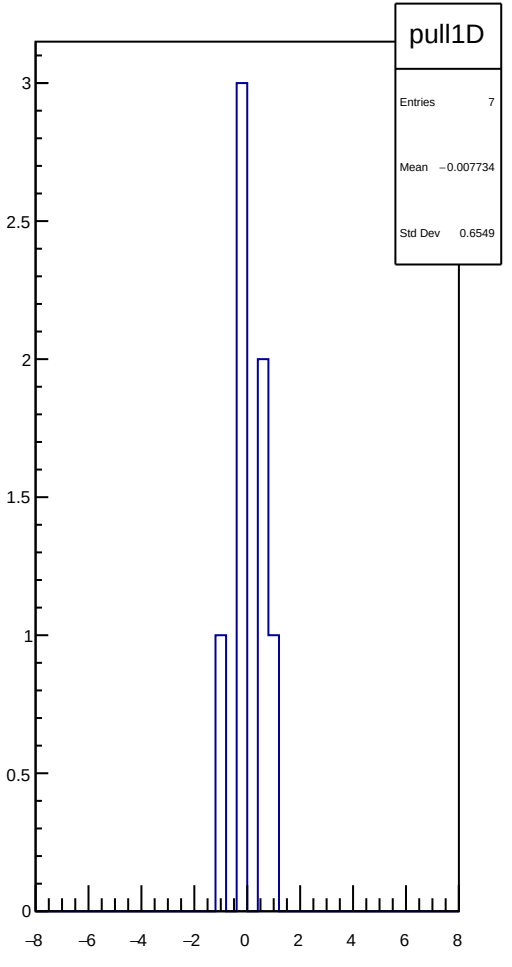

asym_sam_37_avg_mean vs run
χ² / ndf 10.45 / 6
p0 1.039e+04 ± 6301
60000
40000
20000
0
−20000
−40000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

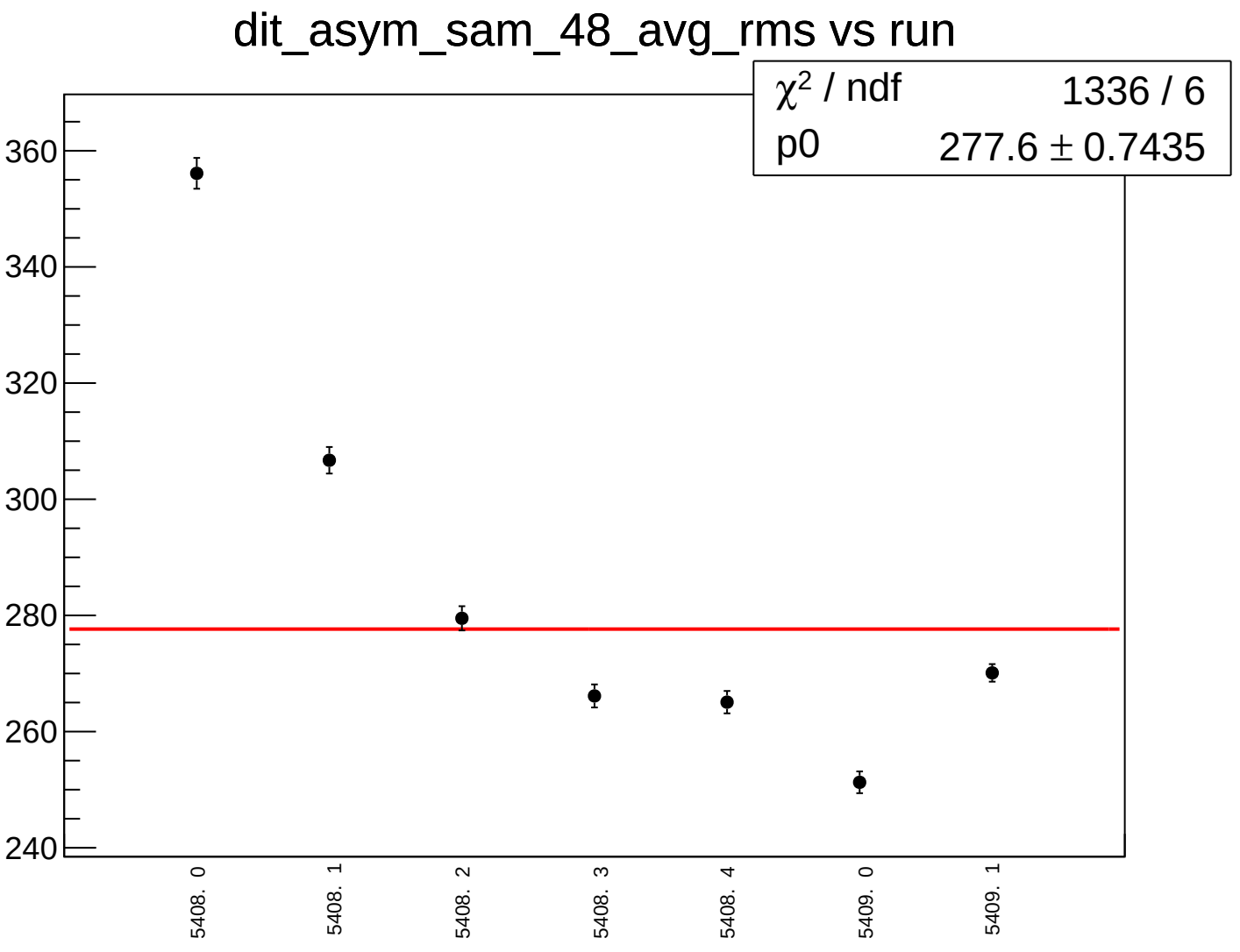

pull
Entries 7
Mean −0.6043
Std Dev 1.191
2
1.5
1
0.5
0
−0.5
−1
−1.5

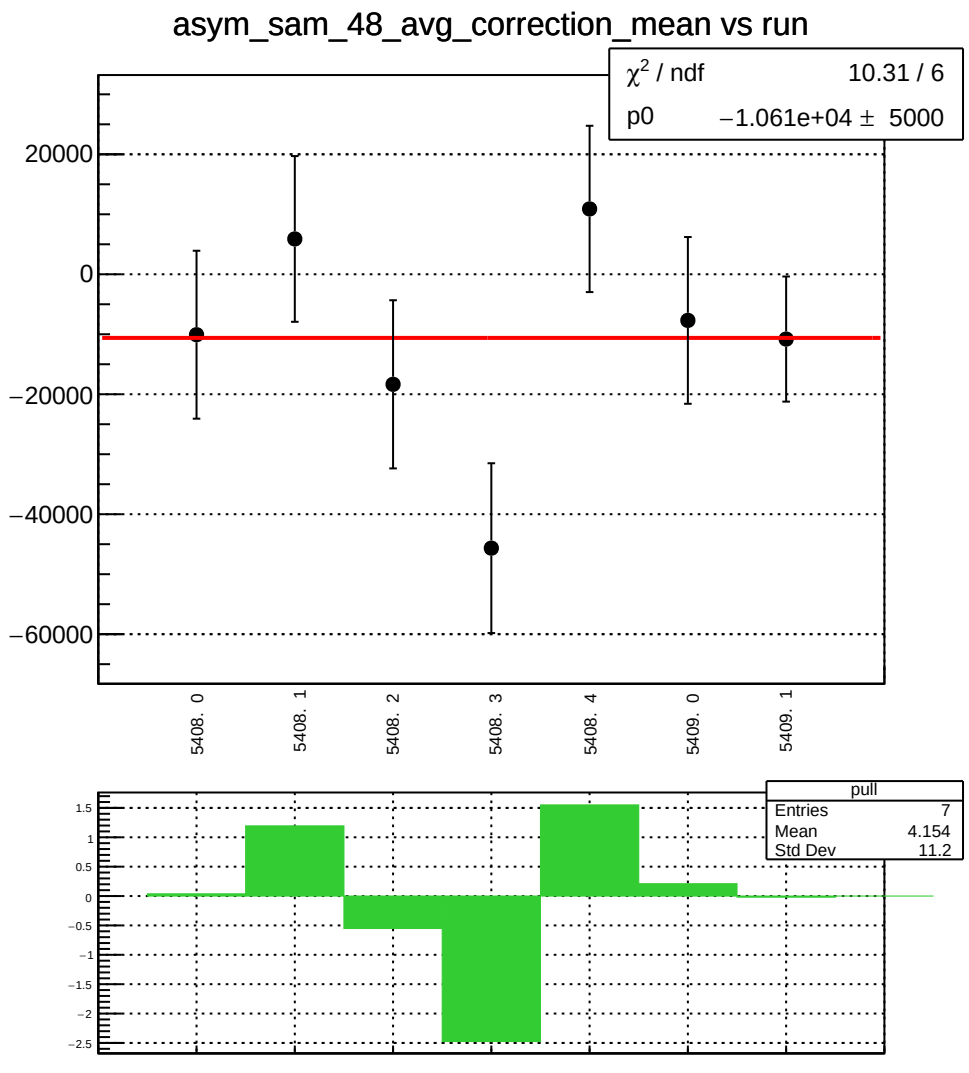

pull1D
Entries 7
Mean −0.02934
Std Dev 1.222
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

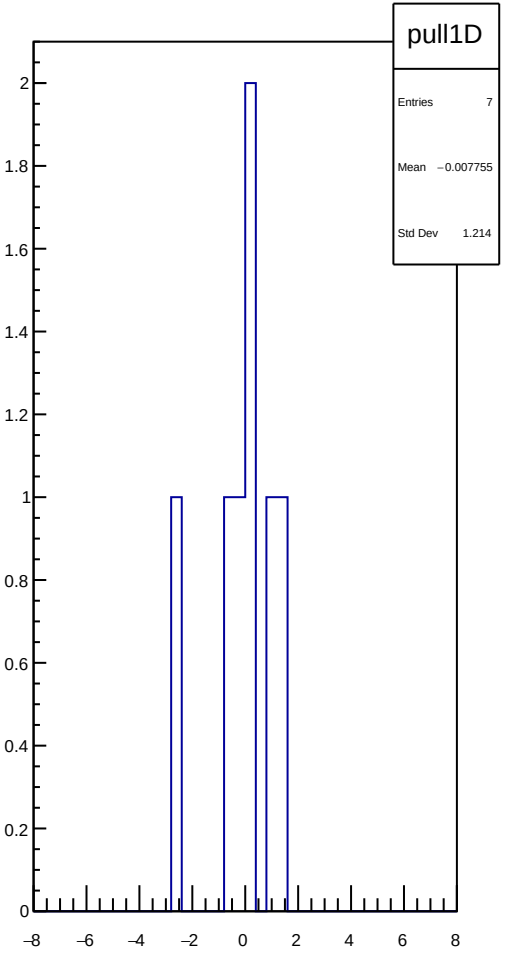

asym_sam_37_avg_rms vs run
χ² / ndf 100.3 / 6
p0 1671 ± 4.455
1780
1760
1740
1720
1700
1680
1660
1640
1620
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

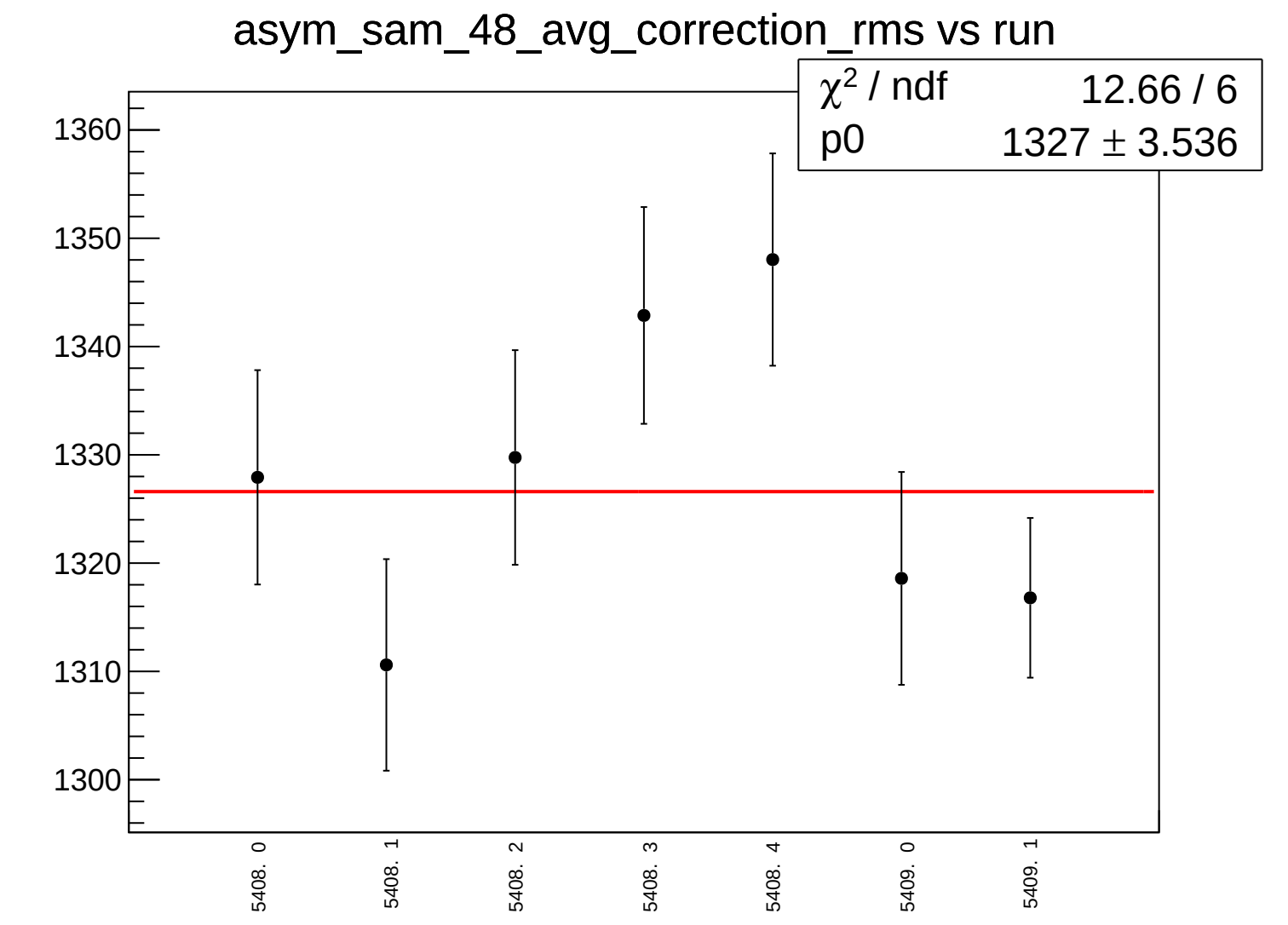

dit_asym_sam_48_avg_mean vs run
χ² / ndf 3.002 / 6
p0 −1070 ± 1051
4000
2000
0
−2000
−4000
−6000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 42.06
Std Dev 38.79
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

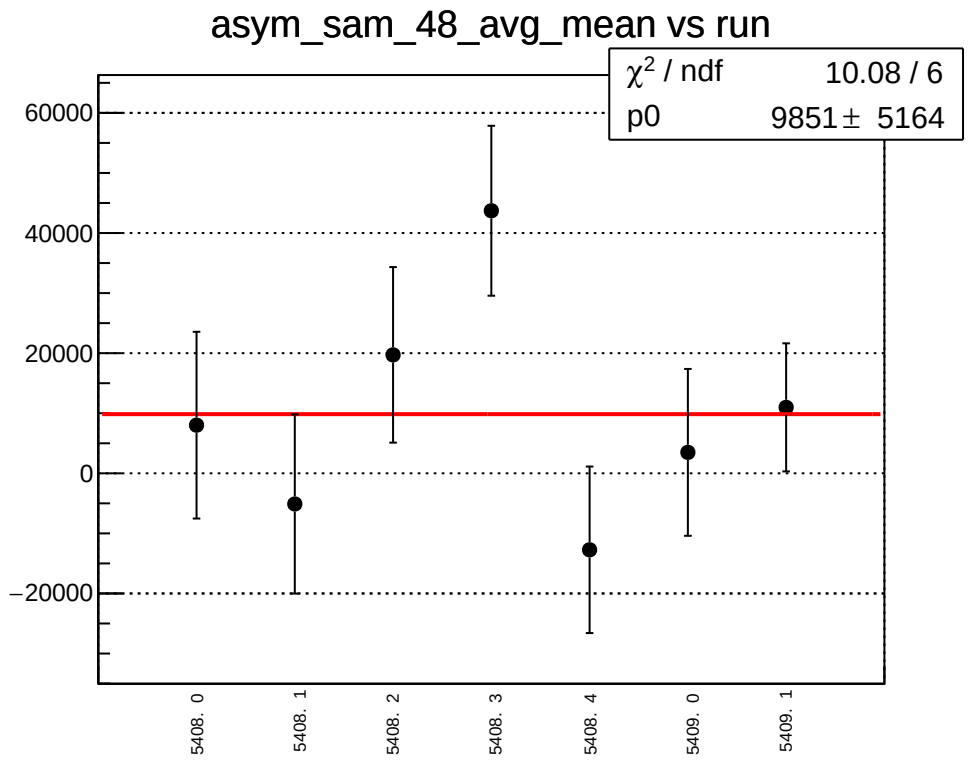

pull1D
Entries 7
Mean −0.007734
Std Dev 0.6549
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

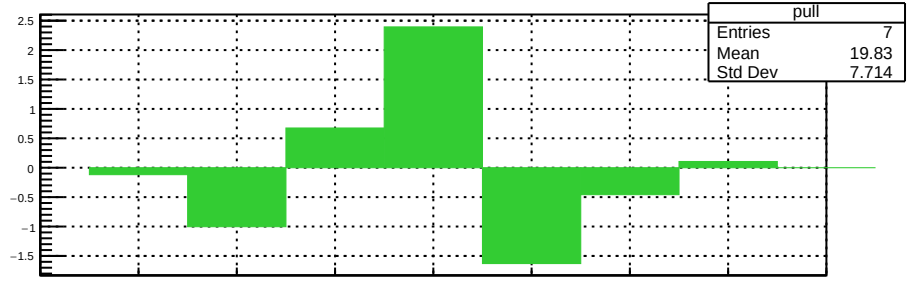

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1336 / 6
p0 277.6 ± 0.7435
360
340
320
300
280
260
240
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

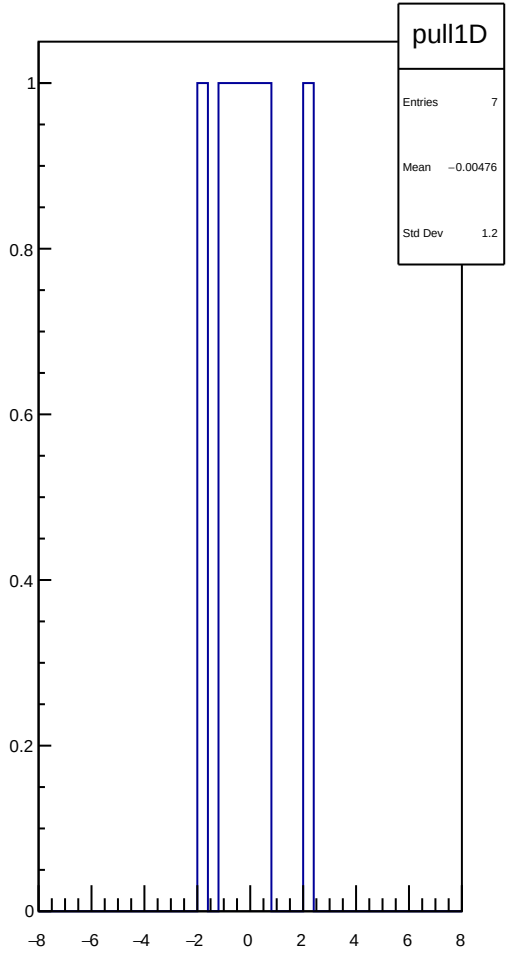

asym_sam_48_avg_correction_mean vs run
χ² / ndf 10.31 / 6
p0 −1.061e+04 ± 5000
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.154
Std Dev 11.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

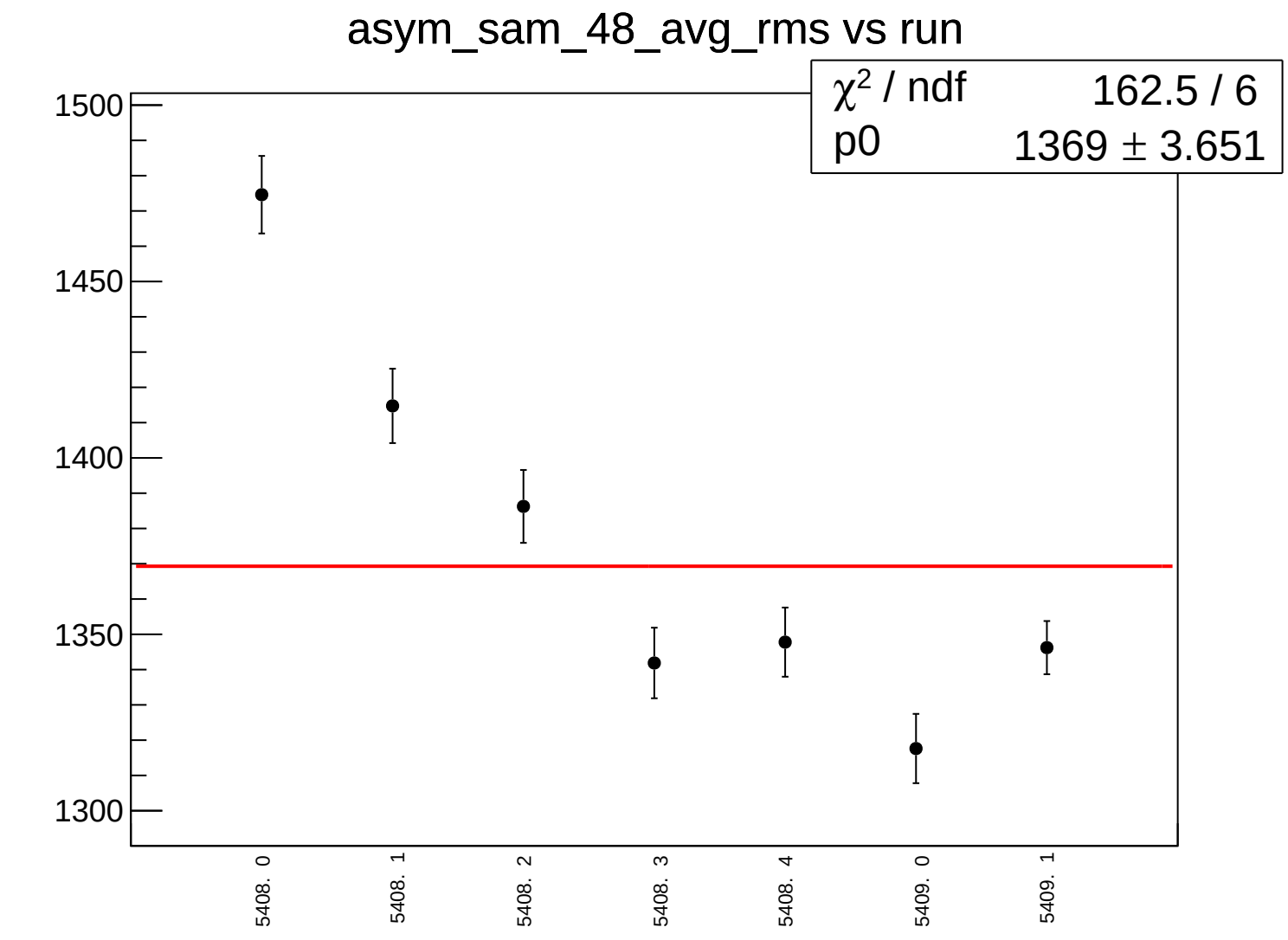

pull1D
Entries 7
Mean −0.007755
Std Dev 1.214
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

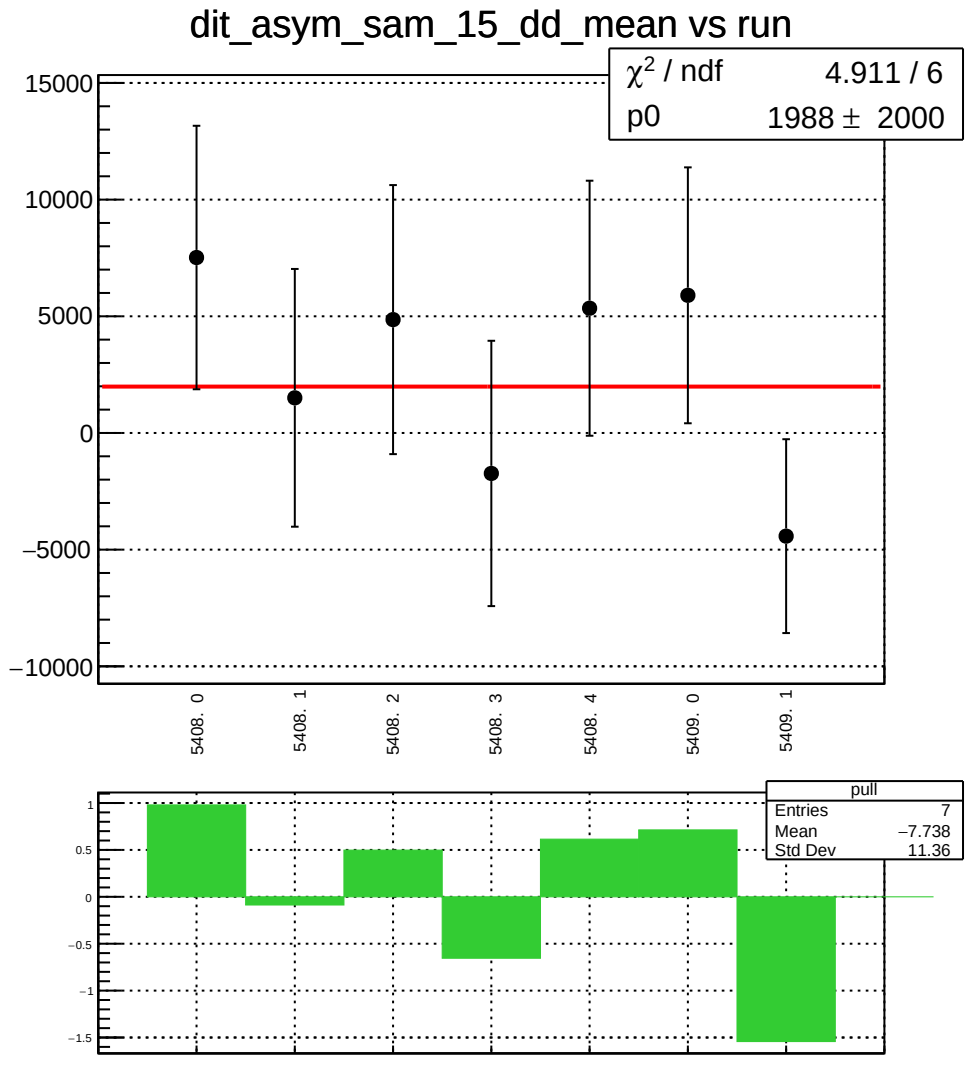

asym_sam_48_avg_correction_rms vs run
χ² / ndf 12.66 / 6
p0 1327 ± 3.536
1360
1350
1340
1330
1320
1310
1300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

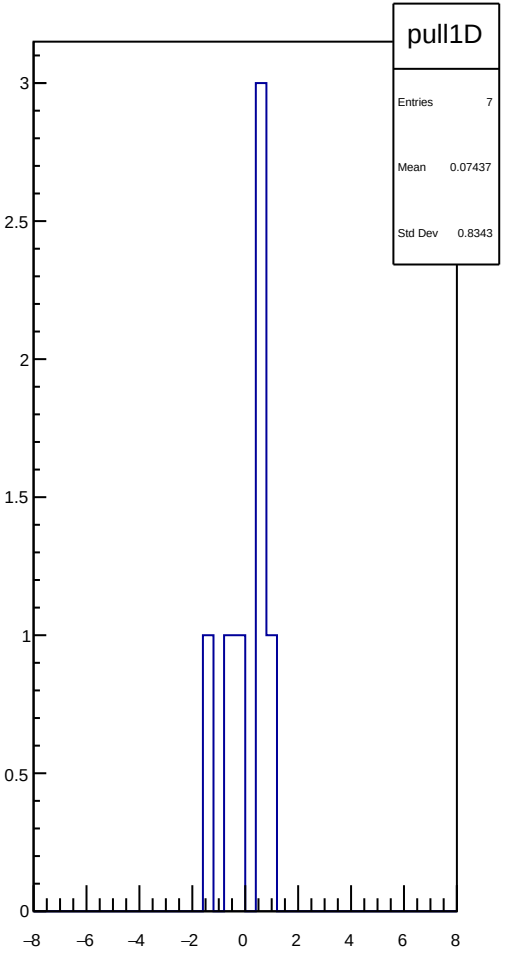

asym_sam_48_avg_mean vs run
χ² / ndf 10.08 / 6
p0 9851 ± 5164
60000
40000
20000
0
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

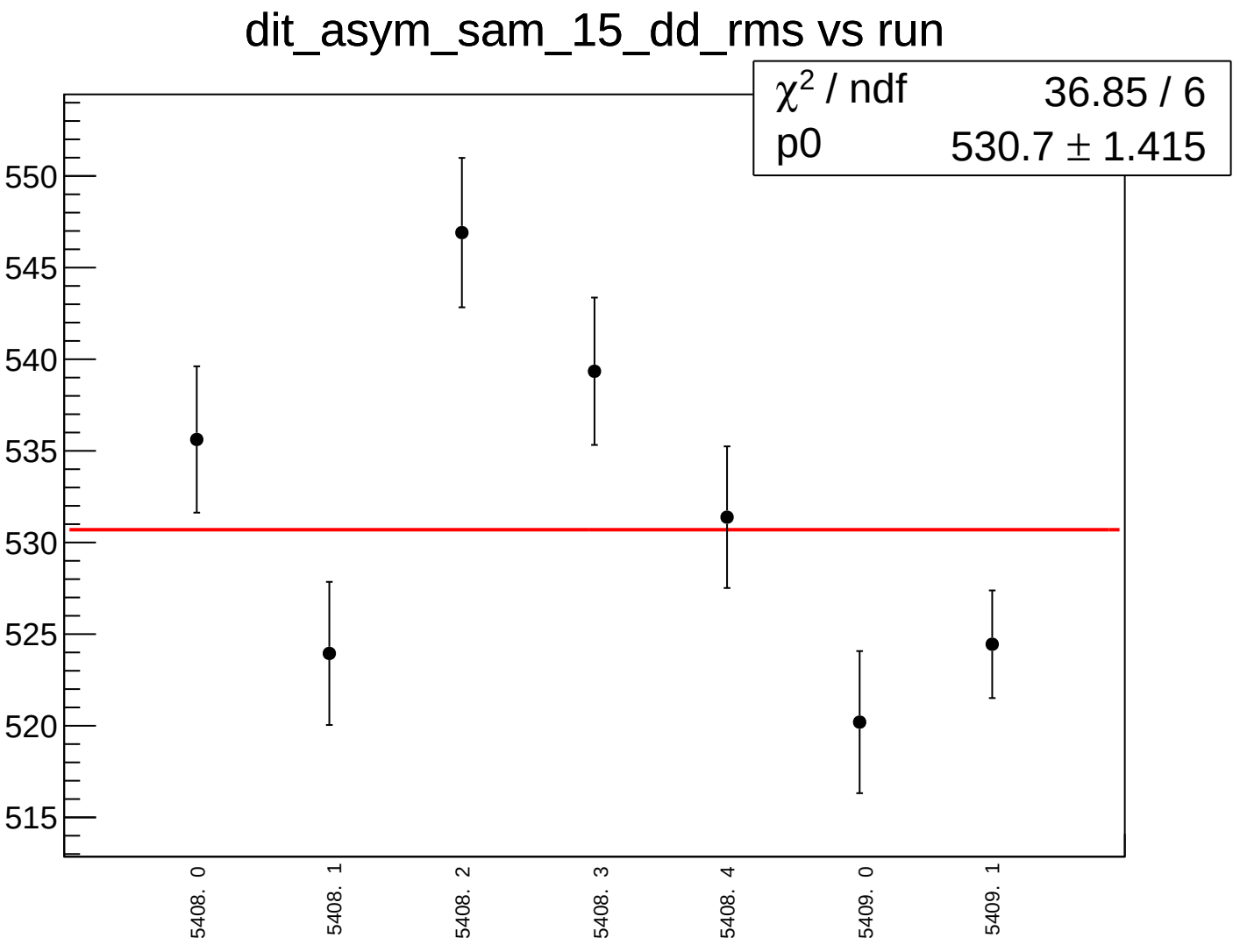

pull
Entries 7
Mean 19.83
Std Dev 7.714
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

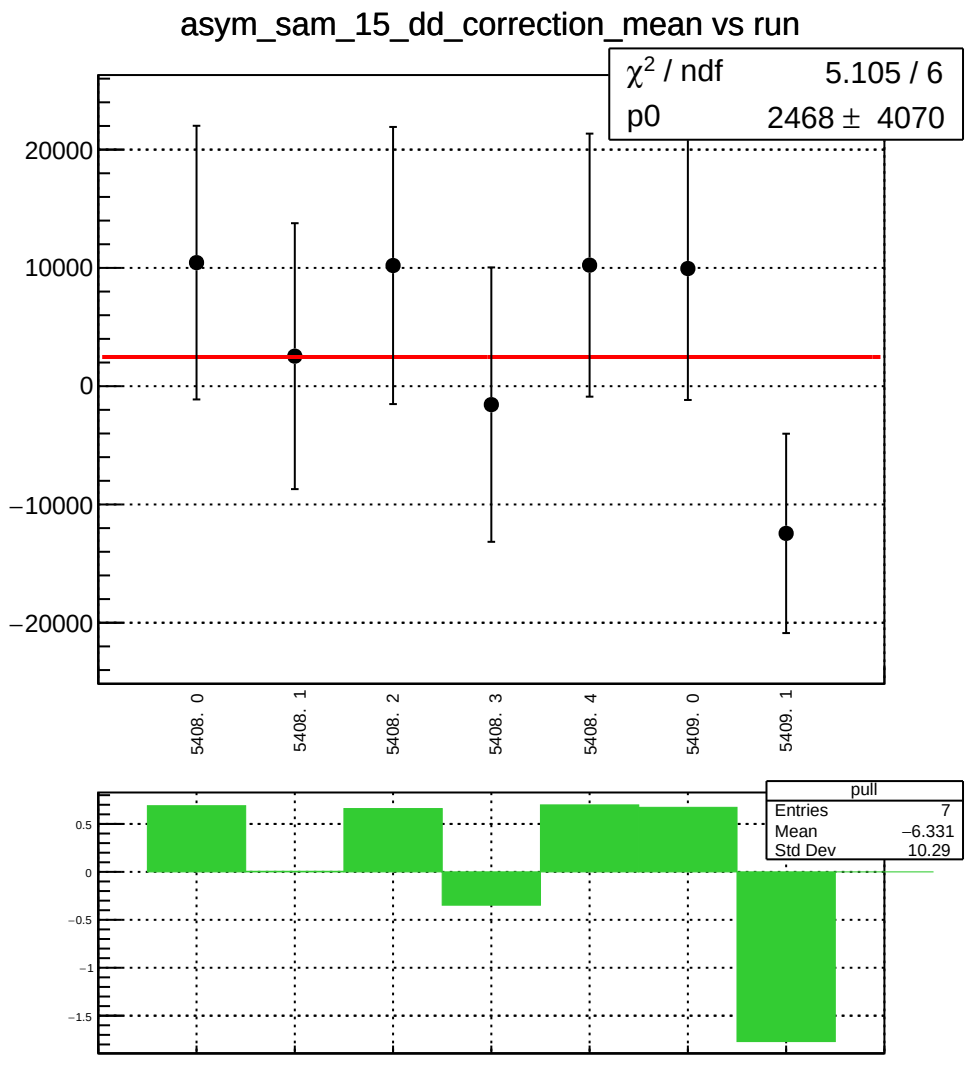

pull1D
Entries 7
Mean −0.00476
Std Dev 1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

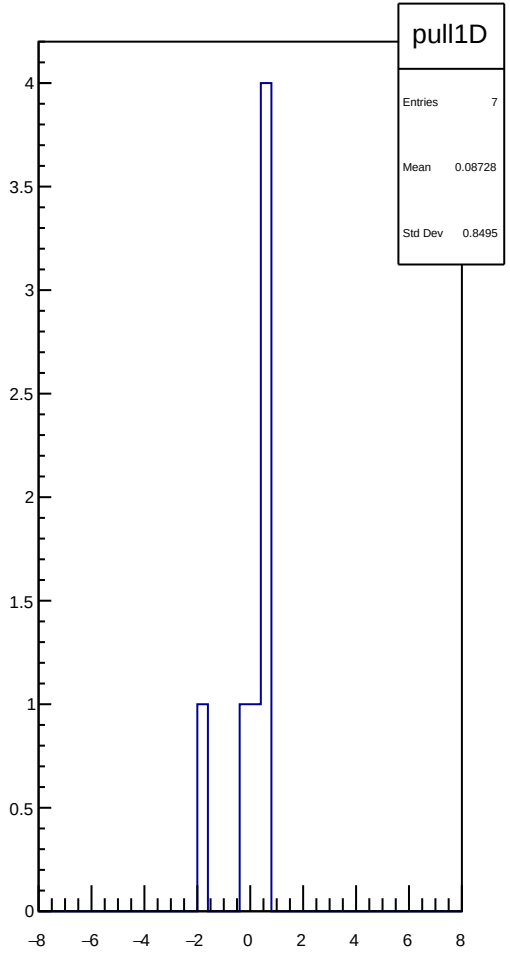

asym_sam_48_avg_rms vs run
χ² / ndf 162.5 / 6
p0 1369 ± 3.651
1500
1450
1400
1350
1300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

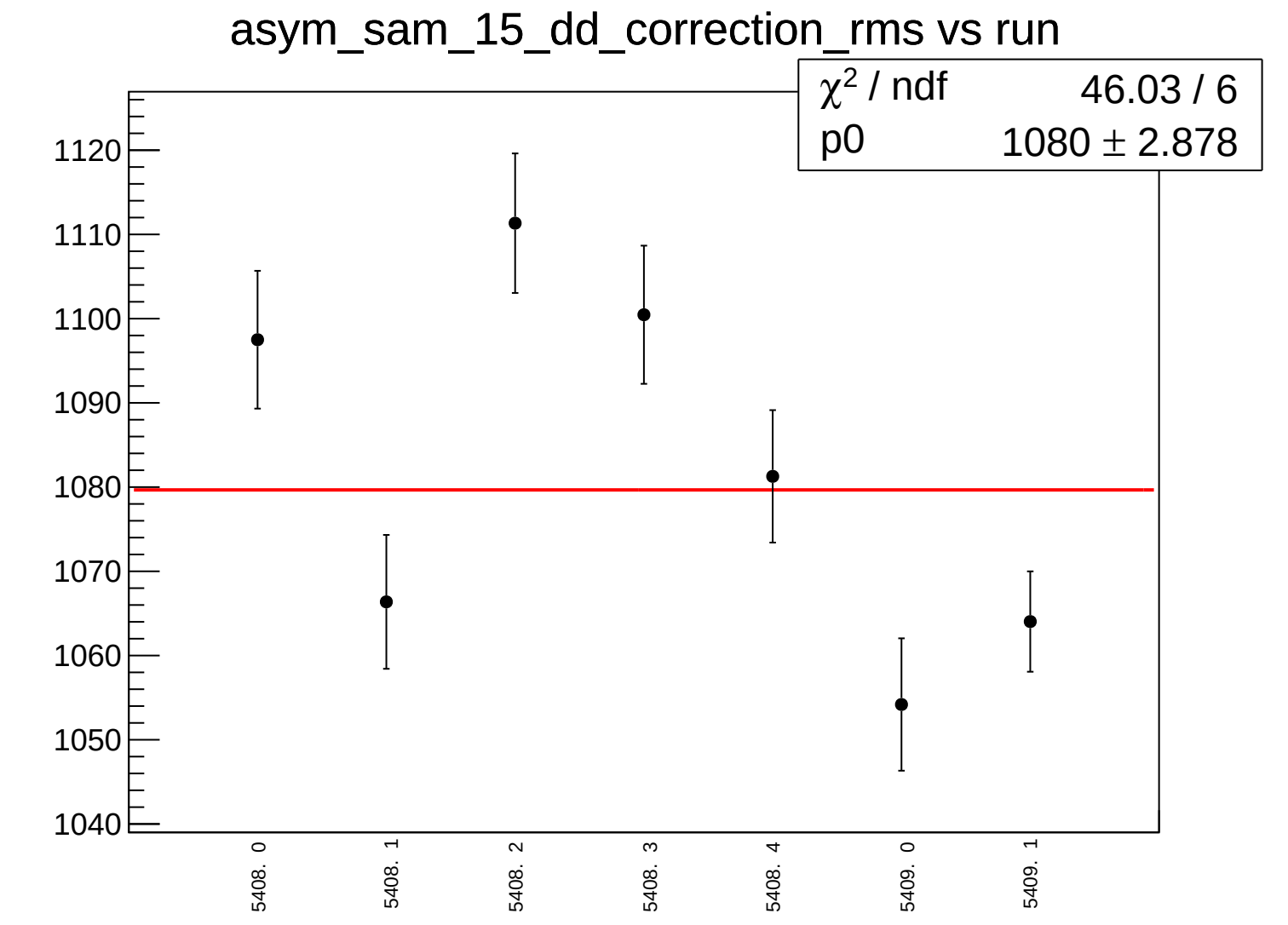

dit_asym_sam_15_dd_mean vs run
χ² / ndf 4.911 / 6
p0 1988 ± 2000
15000
10000
5000
0
−5000
−10000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.738
Std Dev 11.36
1
0.5
0
−0.5
−1
−1.5

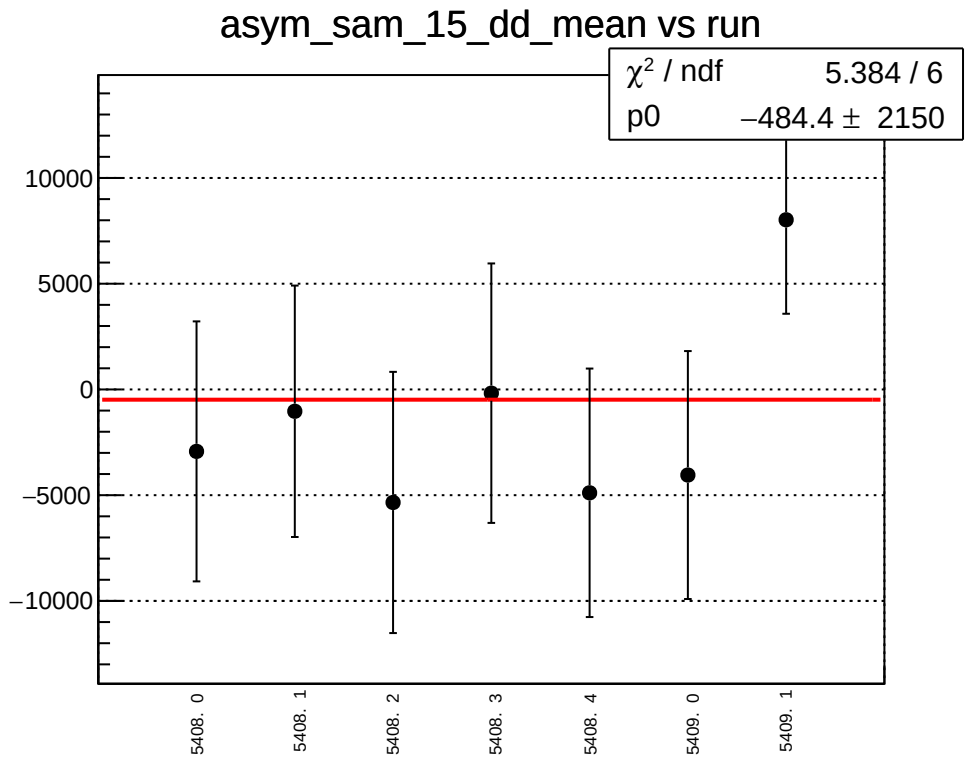

pull1D
Entries 7
Mean 0.07437
Std Dev 0.8343
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

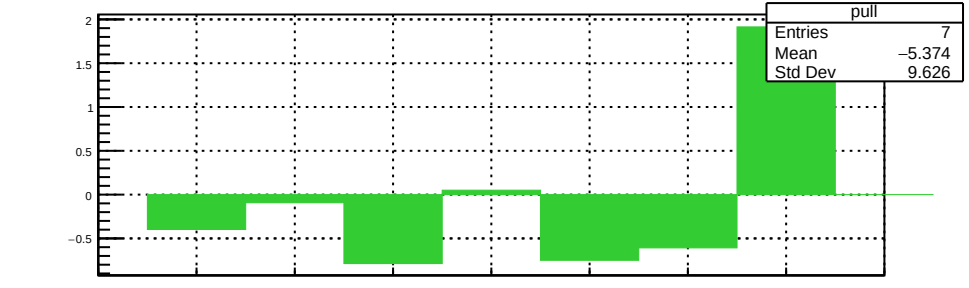

dit_asym_sam_15_dd_rms vs run
χ² / ndf 36.85 / 6
p0 530.7 ± 1.415
550
545
540
535
530
525
520
515
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

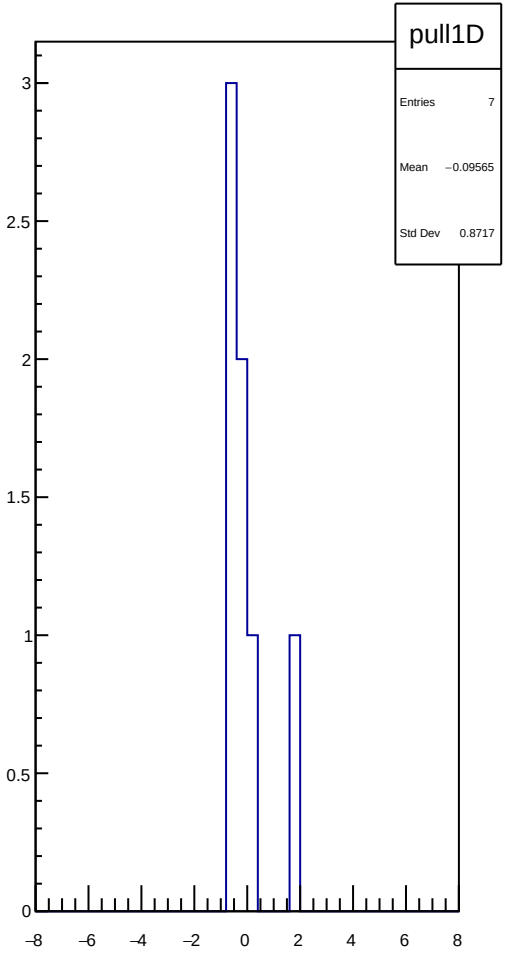

asym_sam_15_dd_correction_mean vs run
χ² / ndf 5.105 / 6
p0 2468 ± 4070
20000
10000
0
−10000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −6.331
Std Dev 10.29
0.5
0
−0.5
−1
−1.5

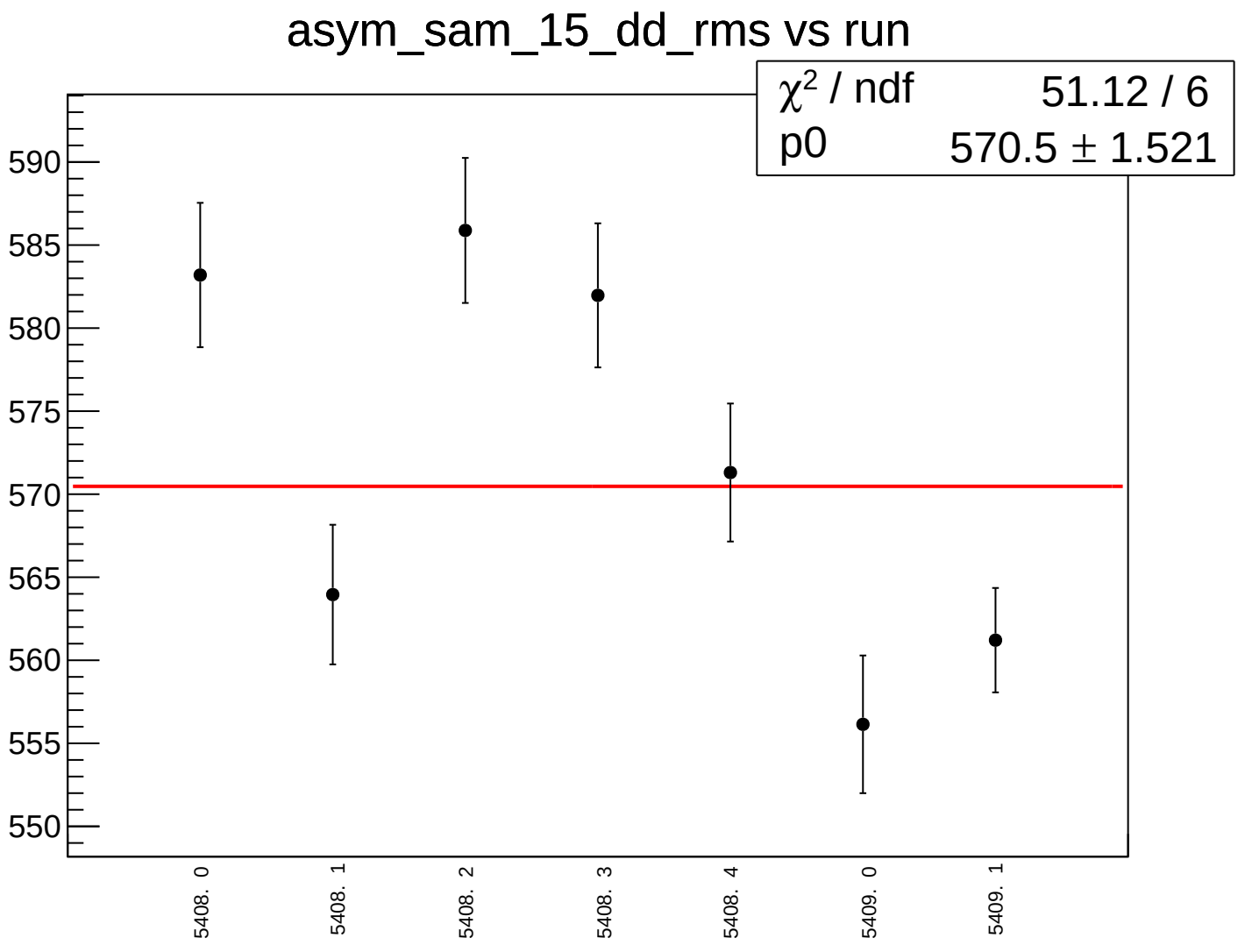

pull1D
Entries 7
Mean 0.08728
Std Dev 0.8495
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

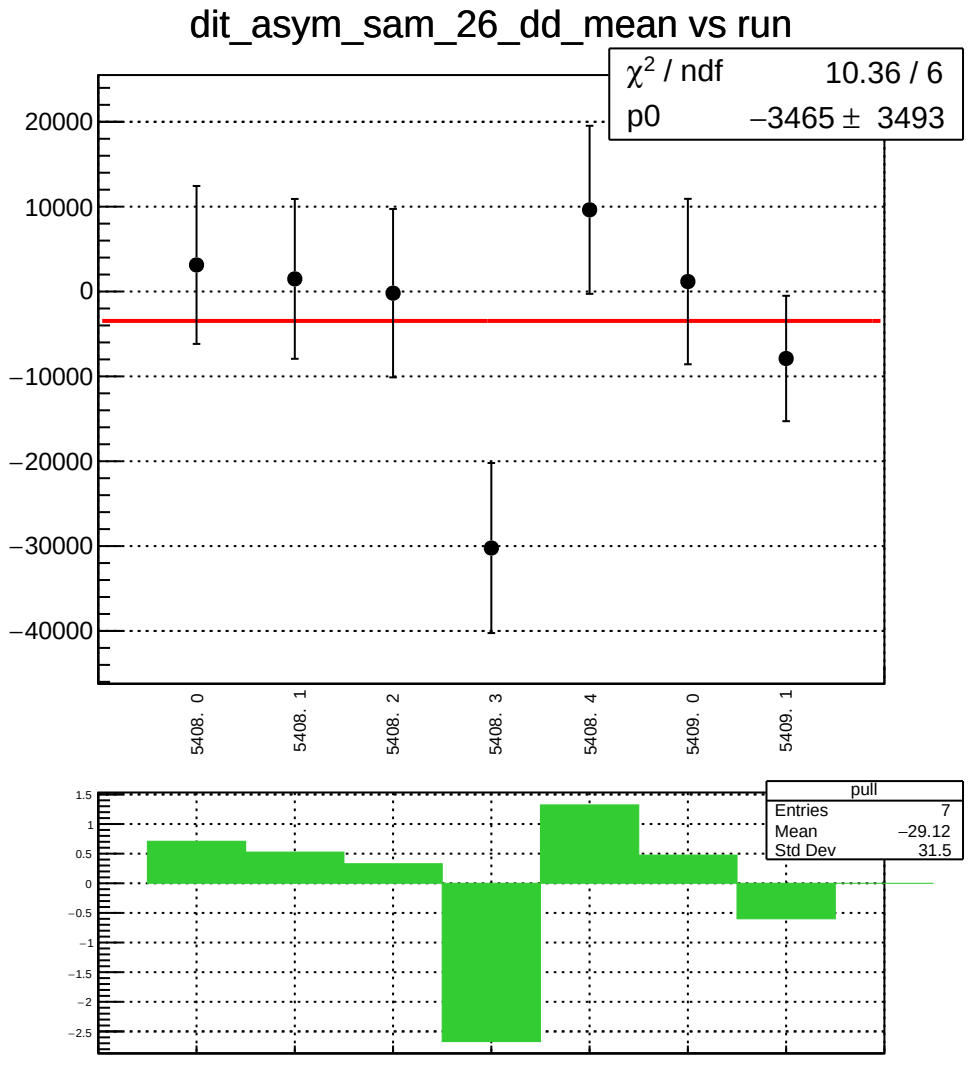

asym_sam_15_dd_correction_rms vs run
χ² / ndf 46.03 / 6
p0 1080 ± 2.878
1120
1110
1100
1090
1080
1070
1060
1050
1040
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

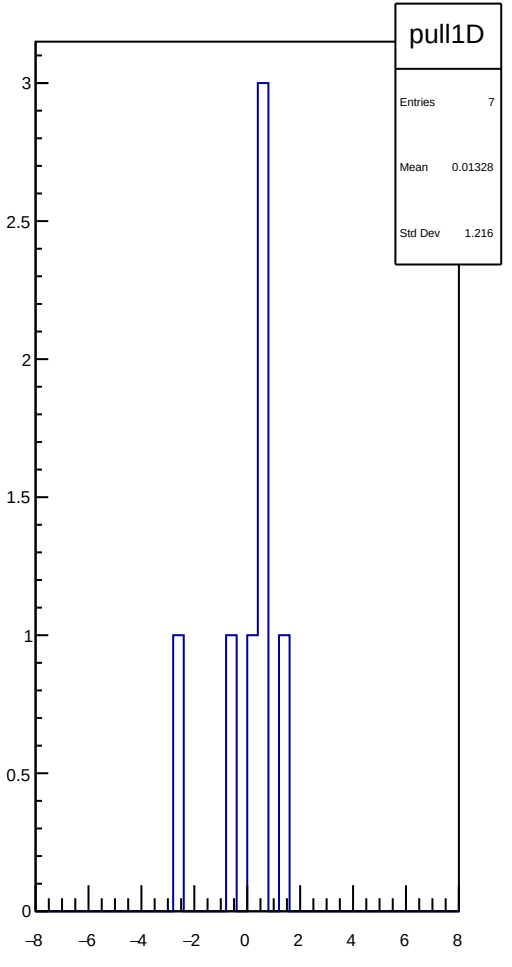

asym_sam_15_dd_mean vs run
χ² / ndf 5.384 / 6
p0 −484.4 ± 2150
10000
5000
0
−5000
−10000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

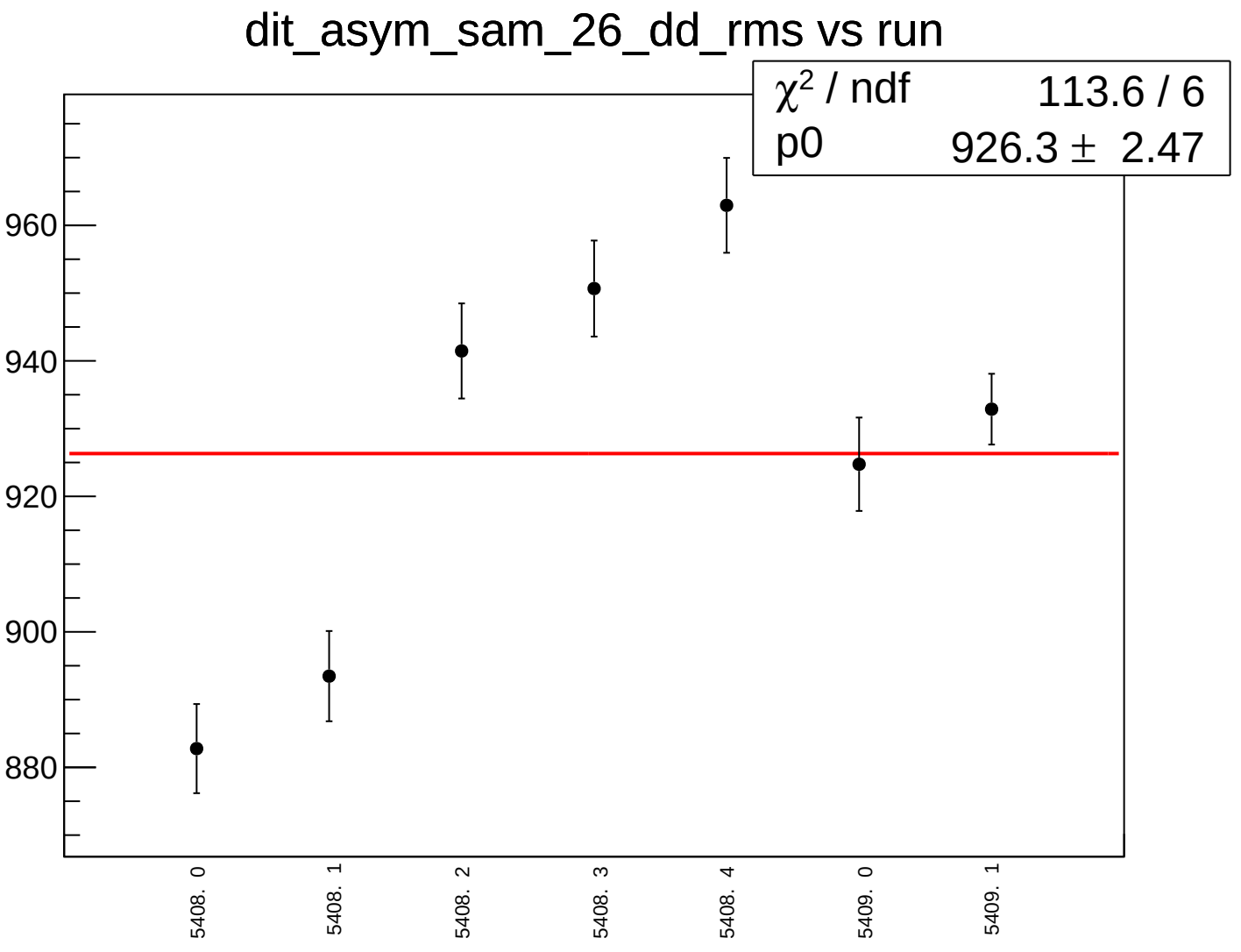

pull
Entries 7
Mean −5.374
Std Dev 9.626
2
1.5
1
0.5
0
−0.5

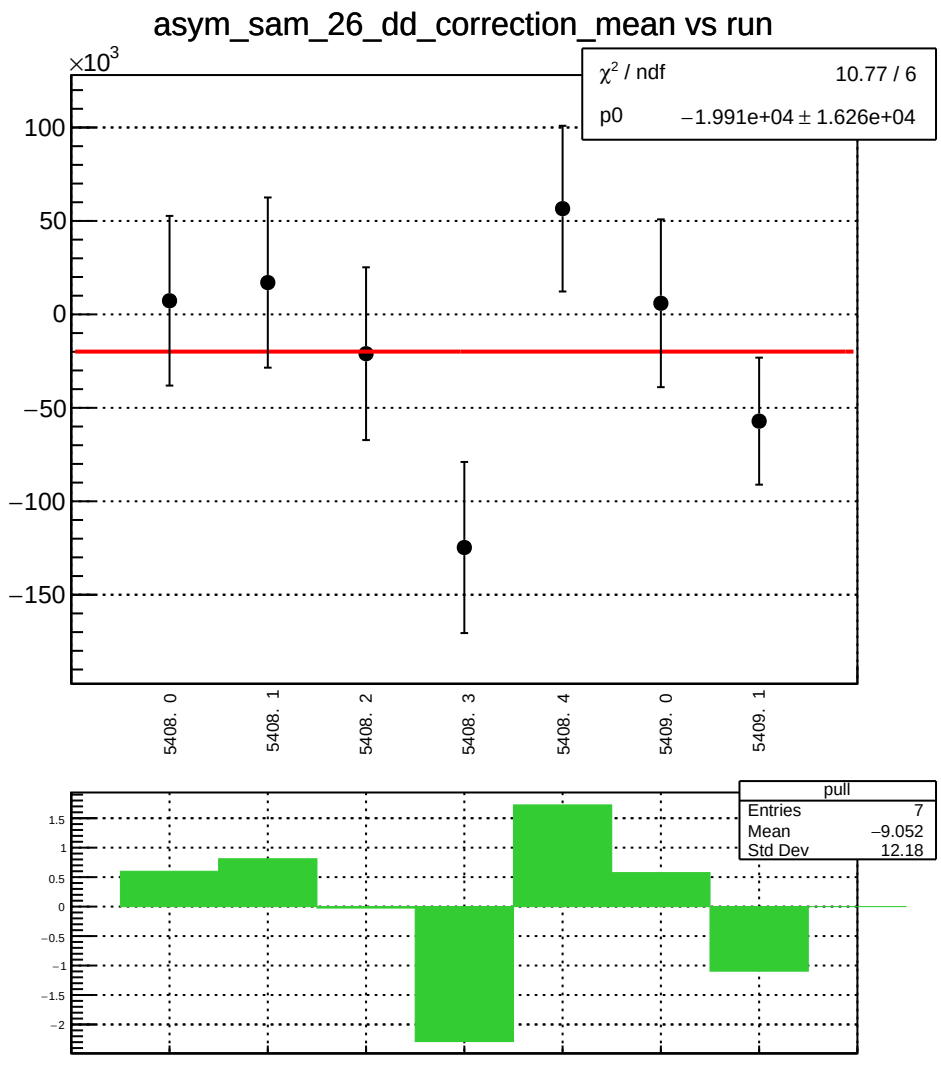

pull1D
Entries 7
Mean −0.09565
Std Dev 0.8717
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

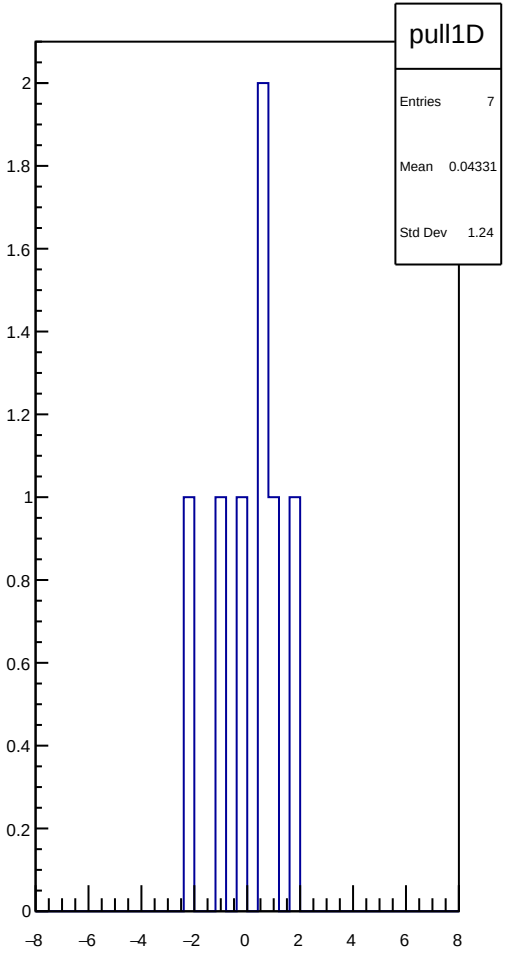

asym_sam_15_dd_rms vs run
χ² / ndf 51.12 / 6
p0 570.5 ± 1.521
590
585
580
575
570
565
560
555
550
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

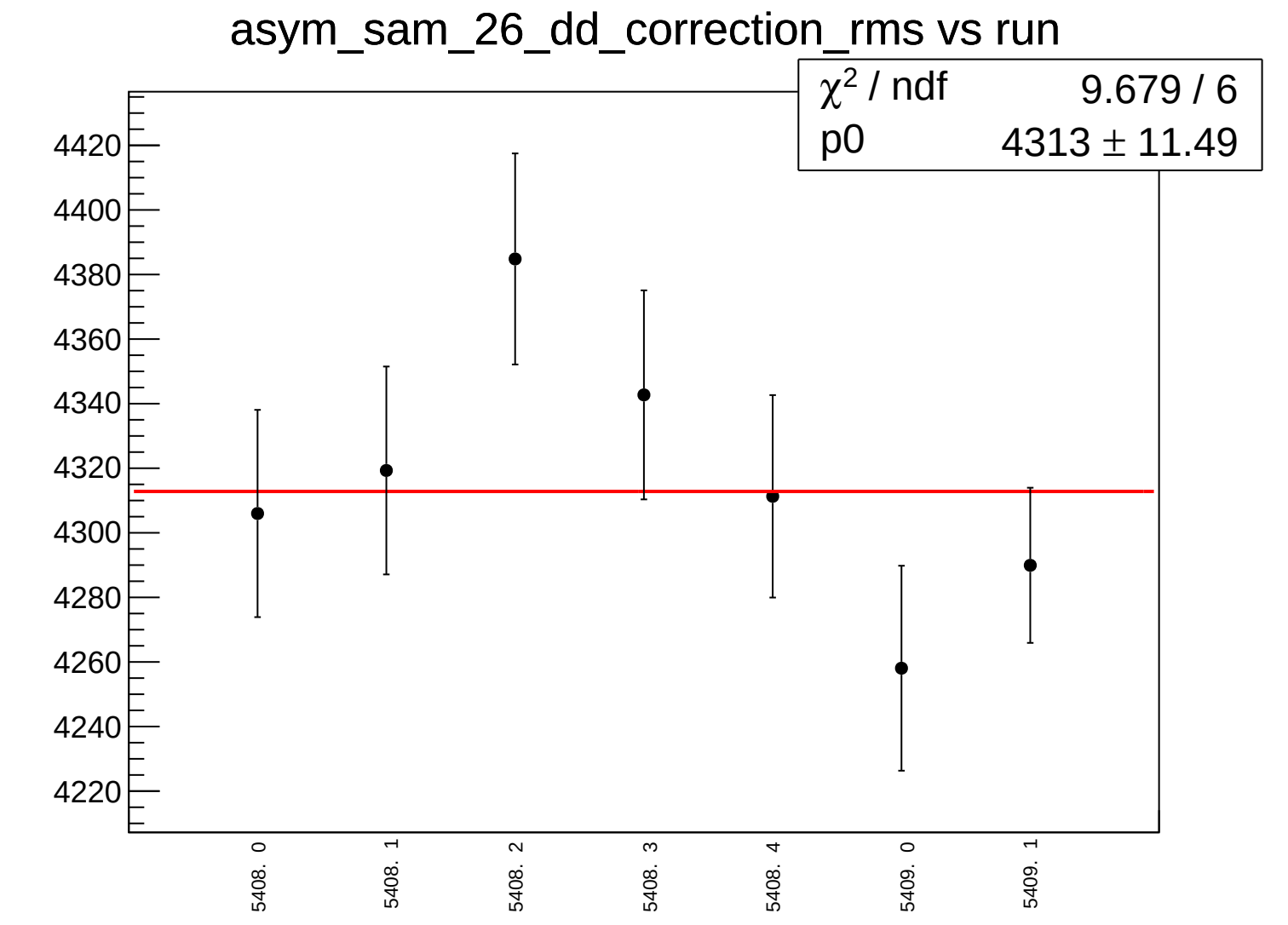

dit_asym_sam_26_dd_mean vs run
χ² / ndf 10.36 / 6
p0 −3465 ± 3493
20000
10000
0
−10000
−20000
−30000
−40000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −29.12
Std Dev 31.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

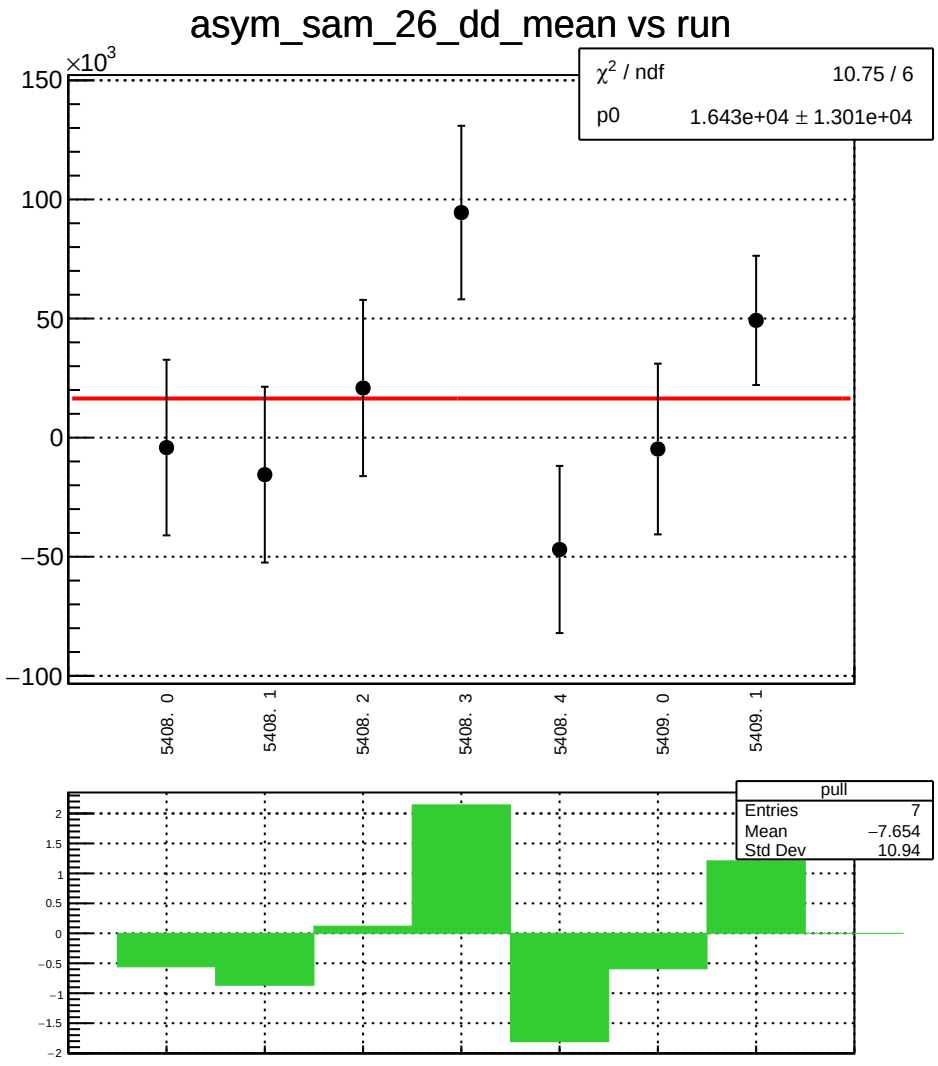

pull1D
Entries 7
Mean 0.01328
Std Dev 1.216
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

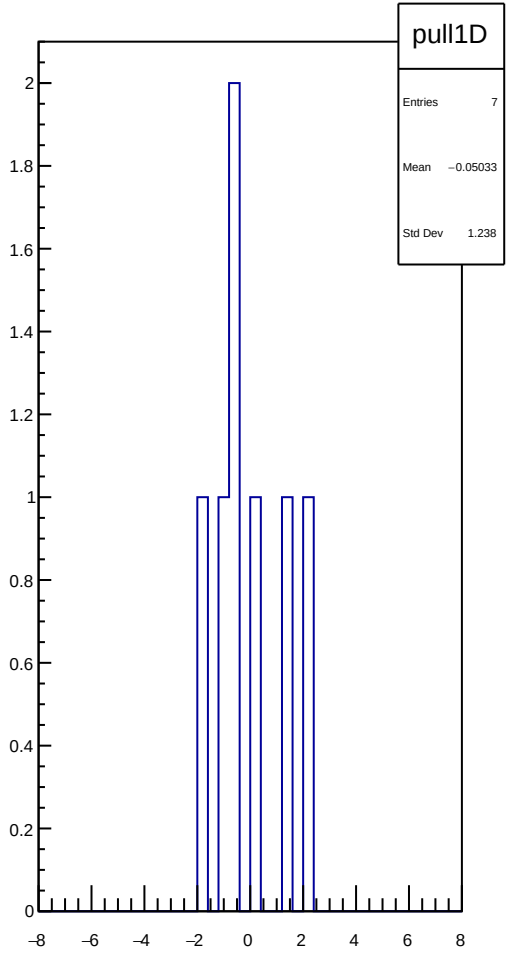

dit_asym_sam_26_dd_rms vs run
χ² / ndf 113.6 / 6
p0 926.3 ± 2.47
960
940
920
900
880
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

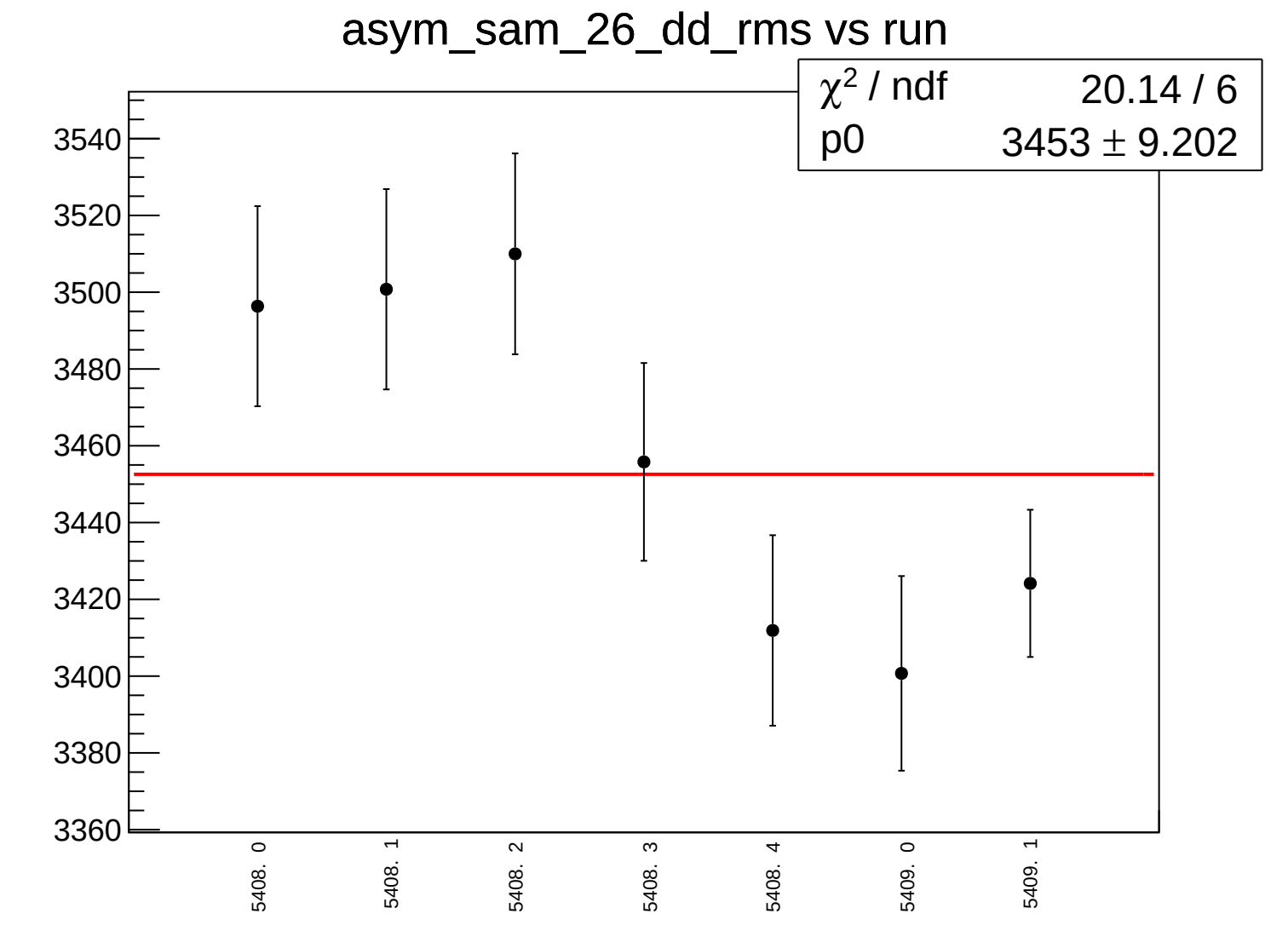

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 10.77 / 6
p0 −1.991e+04 ± 1.626e+04
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.052
Std Dev 12.18
1.5
1
0.5
0
−0.5
−1
−1.5
−2

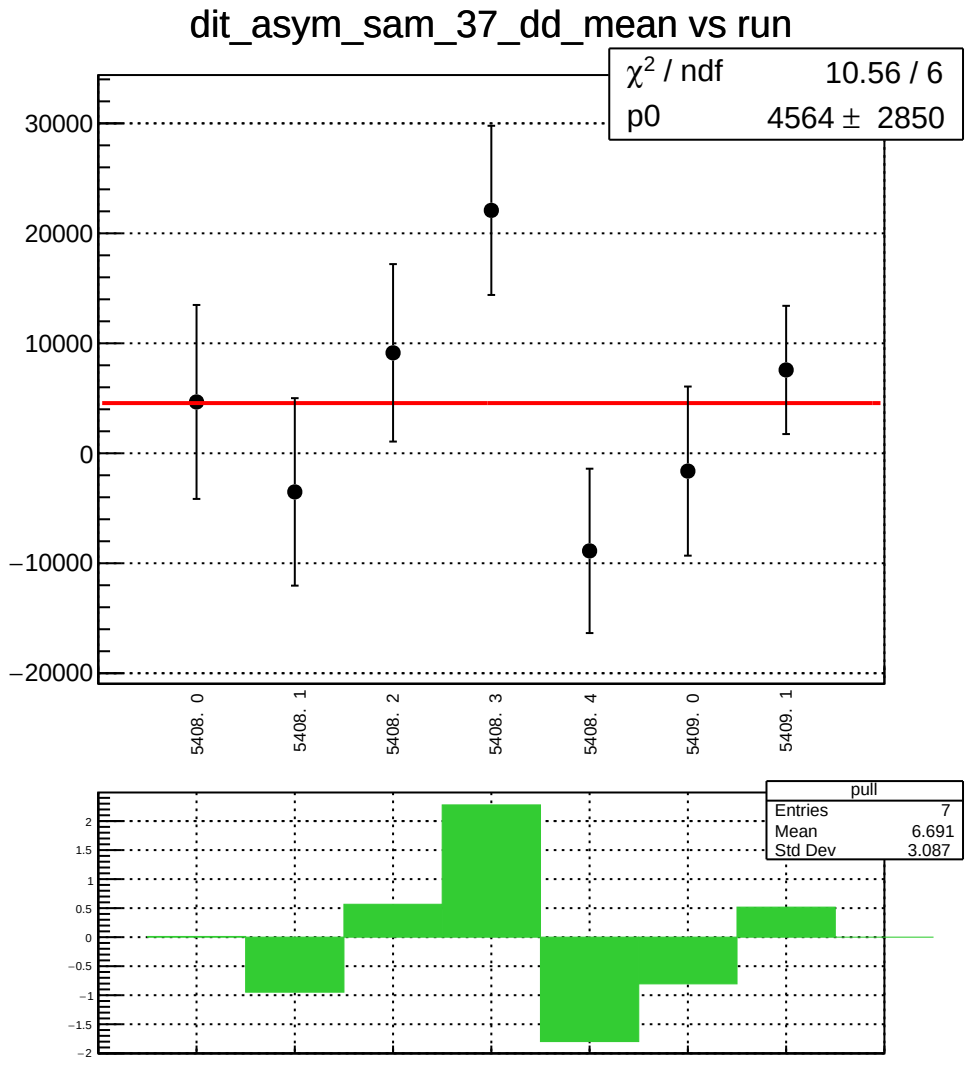

pull1D
Entries 7
Mean 0.04331
Std Dev 1.24
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

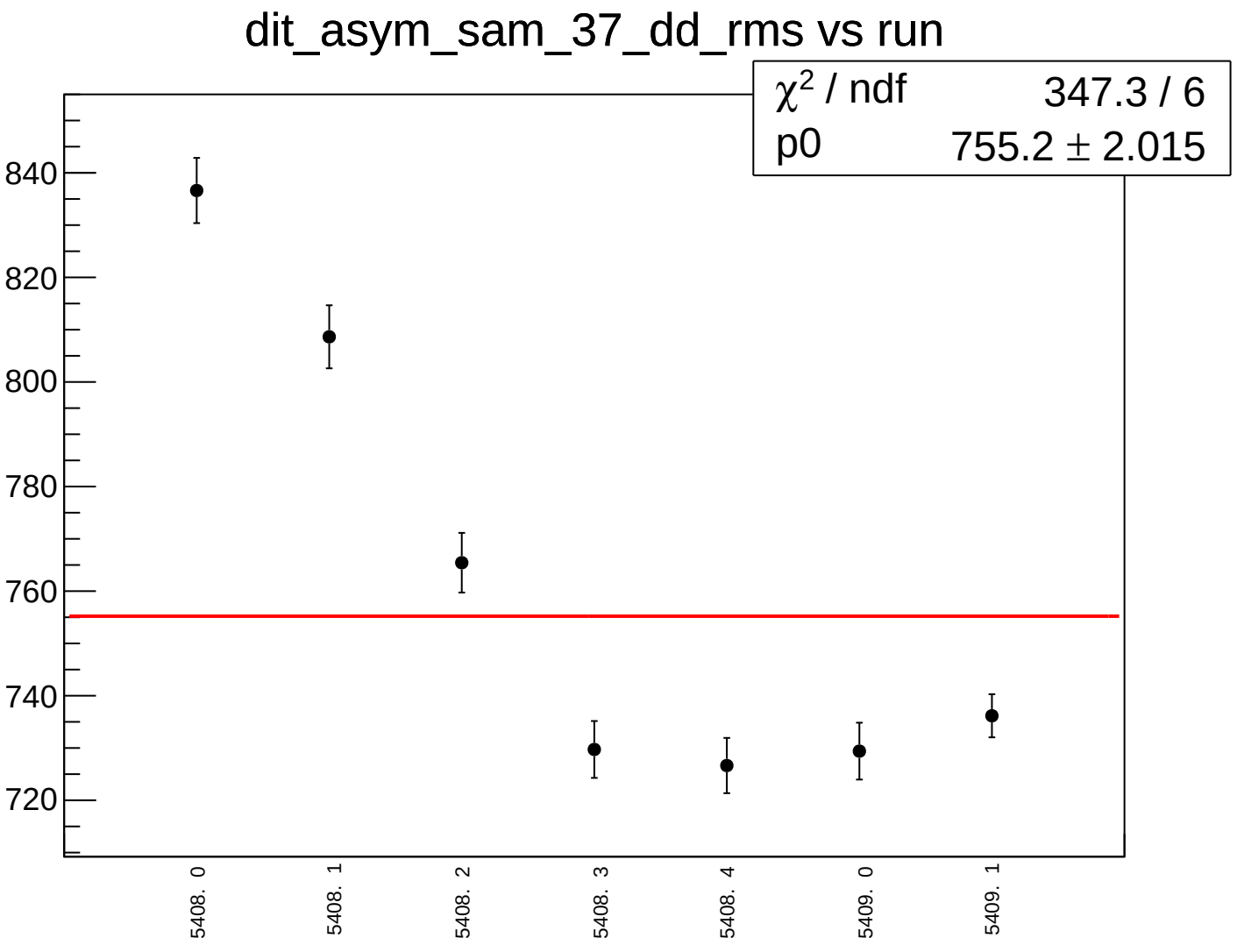

asym_sam_26_dd_correction_rms vs run
χ² / ndf 9.679 / 6
p0 4313 ± 11.49
4420
4400
4380
4360
4340
4320
4300
4280
4260
4240
4220
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

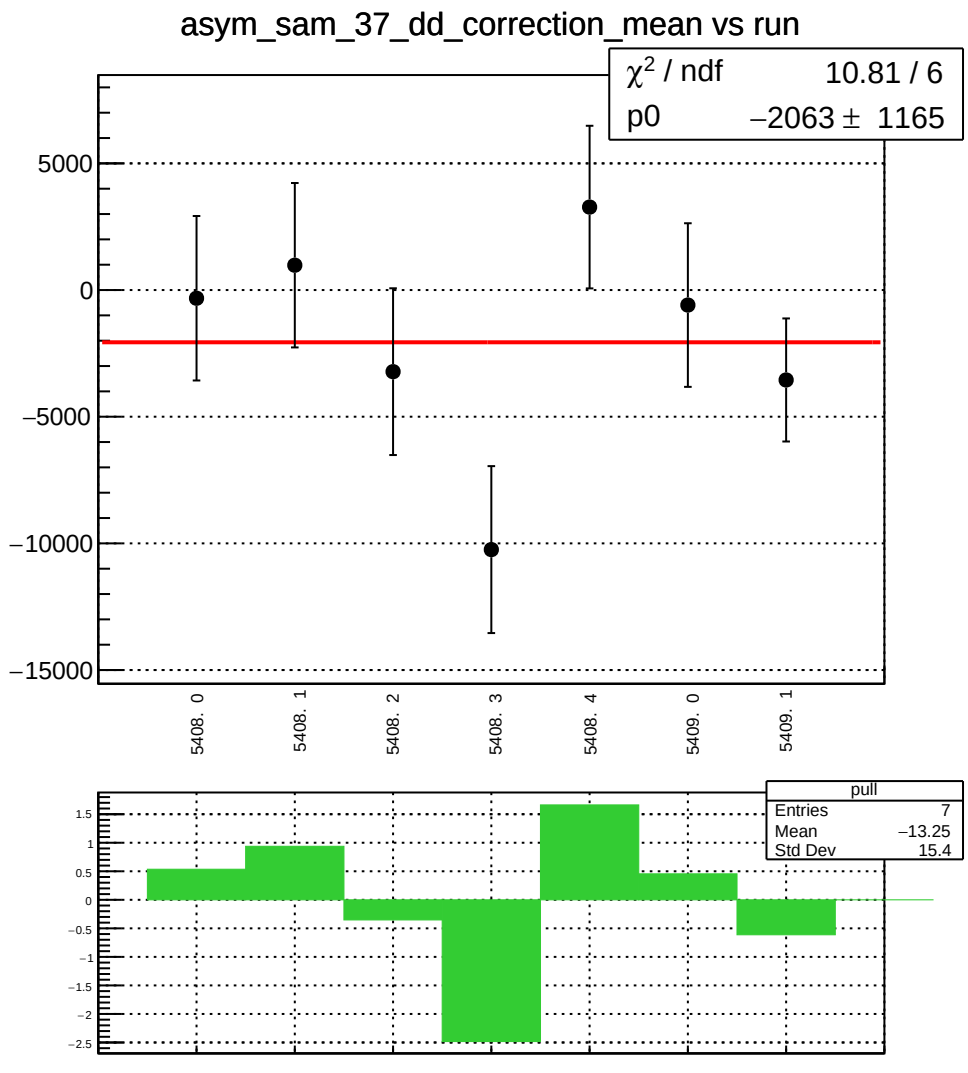

asym_sam_26_dd_mean vs run
×10^3
150
100
50
0
−50
−100
χ² / ndf 10.75 / 6
p0 1.643e+04 ± 1.301e+04
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.654
Std Dev 10.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

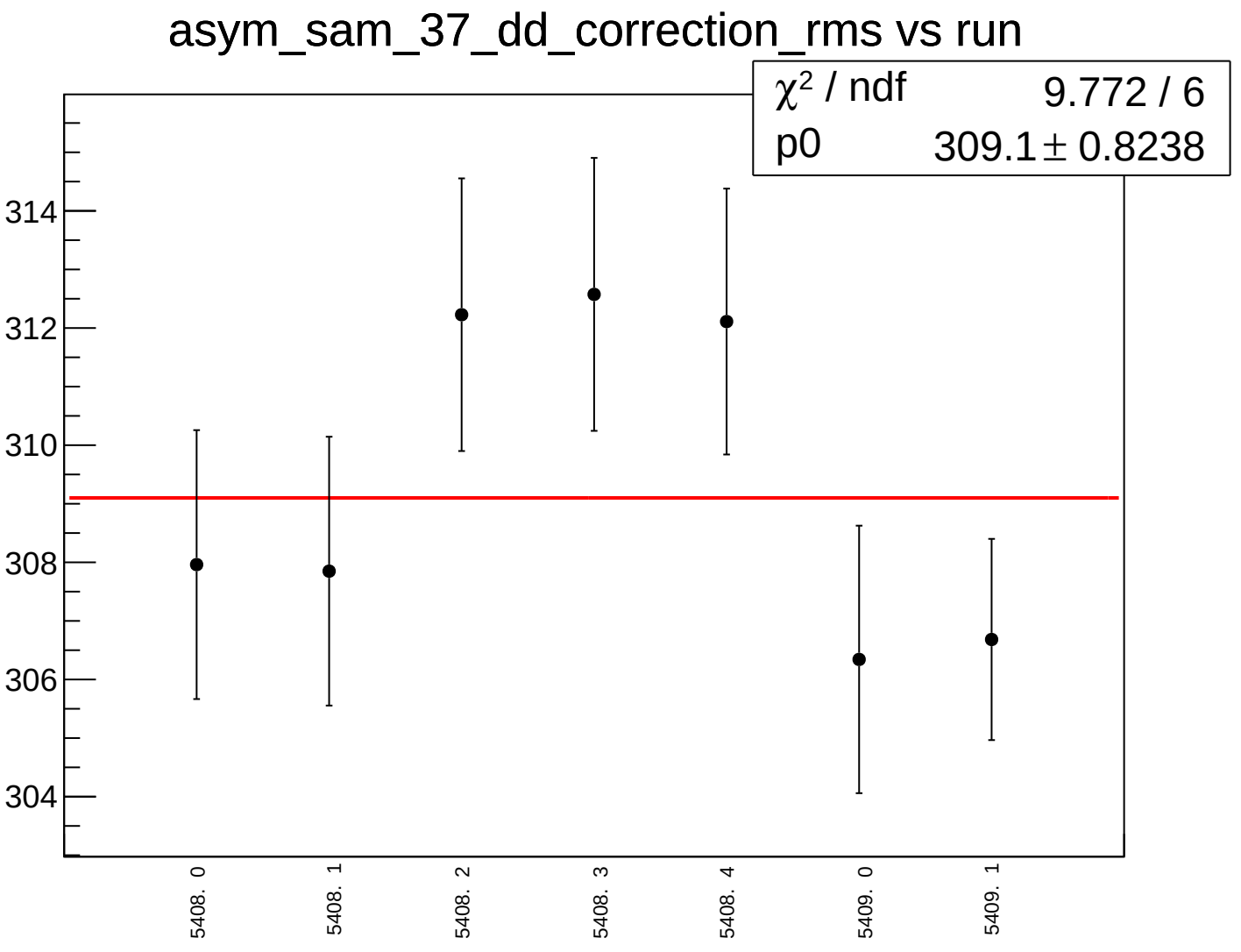

pull1D
Entries 7
Mean −0.05033
Std Dev 1.238
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

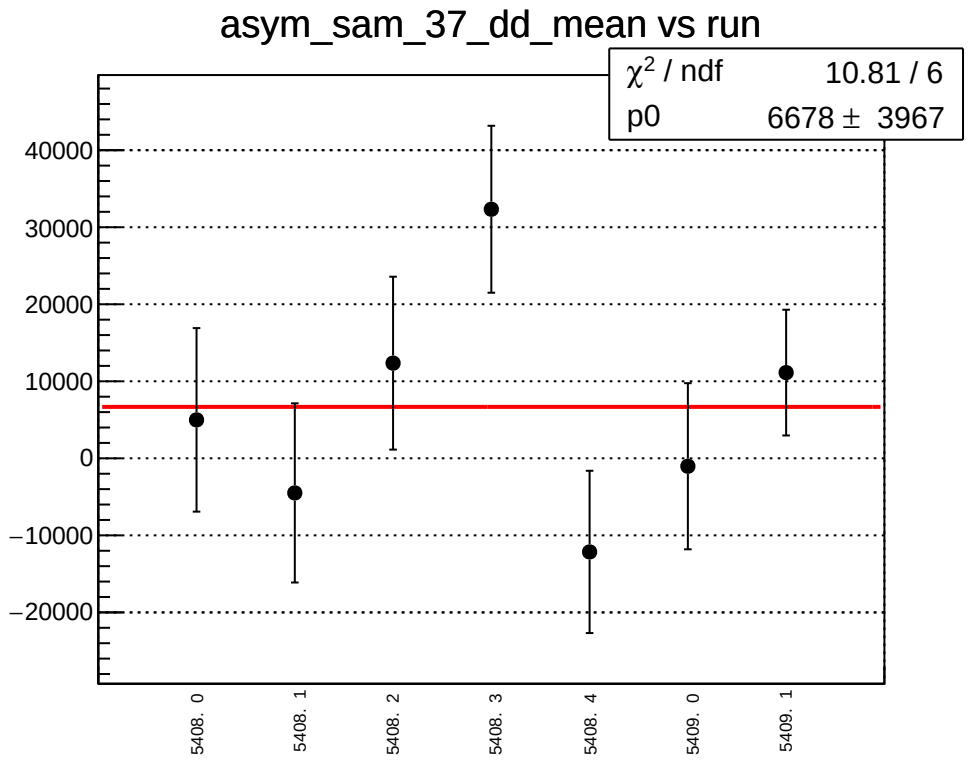

asym_sam_26_dd_rms vs run
χ² / ndf 20.14 / 6
p0 3453 ± 9.202
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

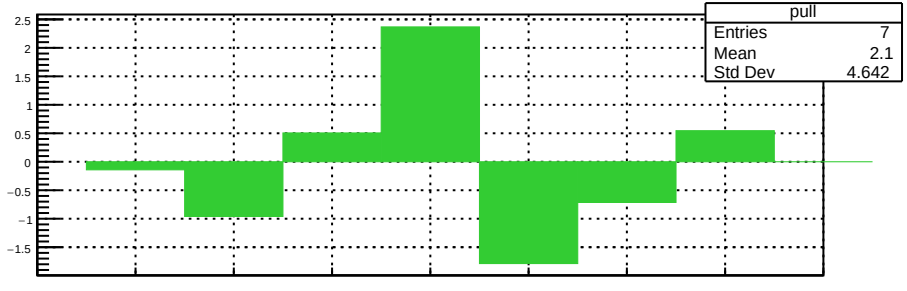

dit_asym_sam_37_dd_mean vs run
χ² / ndf 10.56 / 6
p0 4564 ± 2850
30000
20000
10000
0
−10000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.691
Std Dev 3.087
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 7
Mean −0.02521
Std Dev 1.228
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

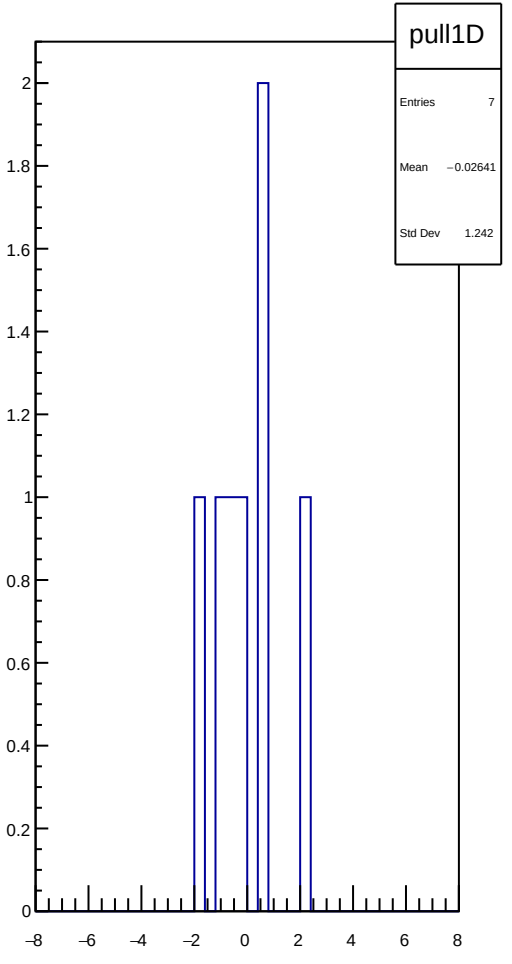

dit_asym_sam_37_dd_rms vs run
χ² / ndf 347.3 / 6
p0 755.2 ± 2.015
840
820
800
780
760
740
720
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

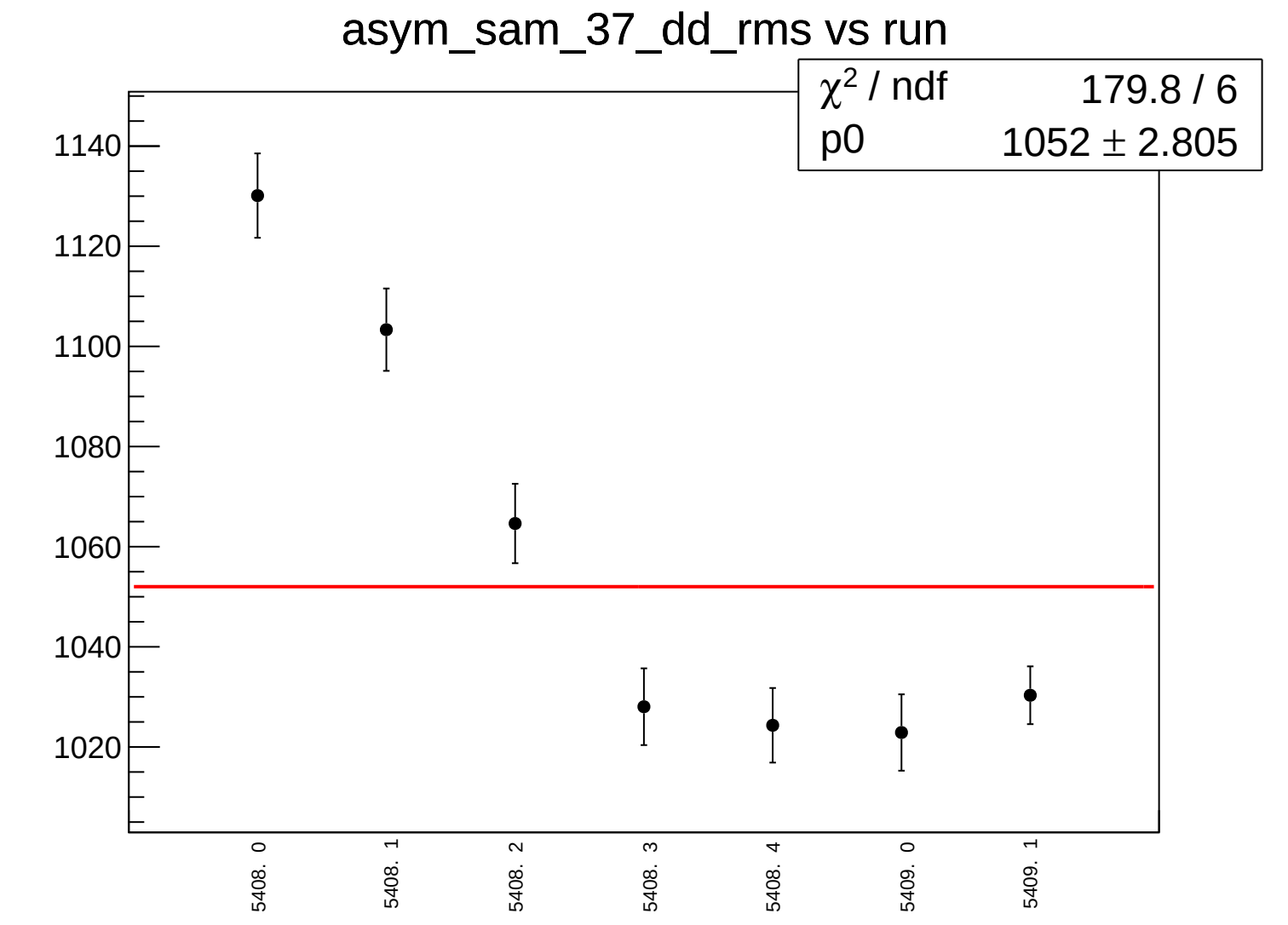

asym_sam_37_dd_correction_mean vs run
χ² / ndf 10.81 / 6
p0 −2063 ± 1165
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −13.25
Std Dev 15.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 7
Mean 0.02041
Std Dev 1.242
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

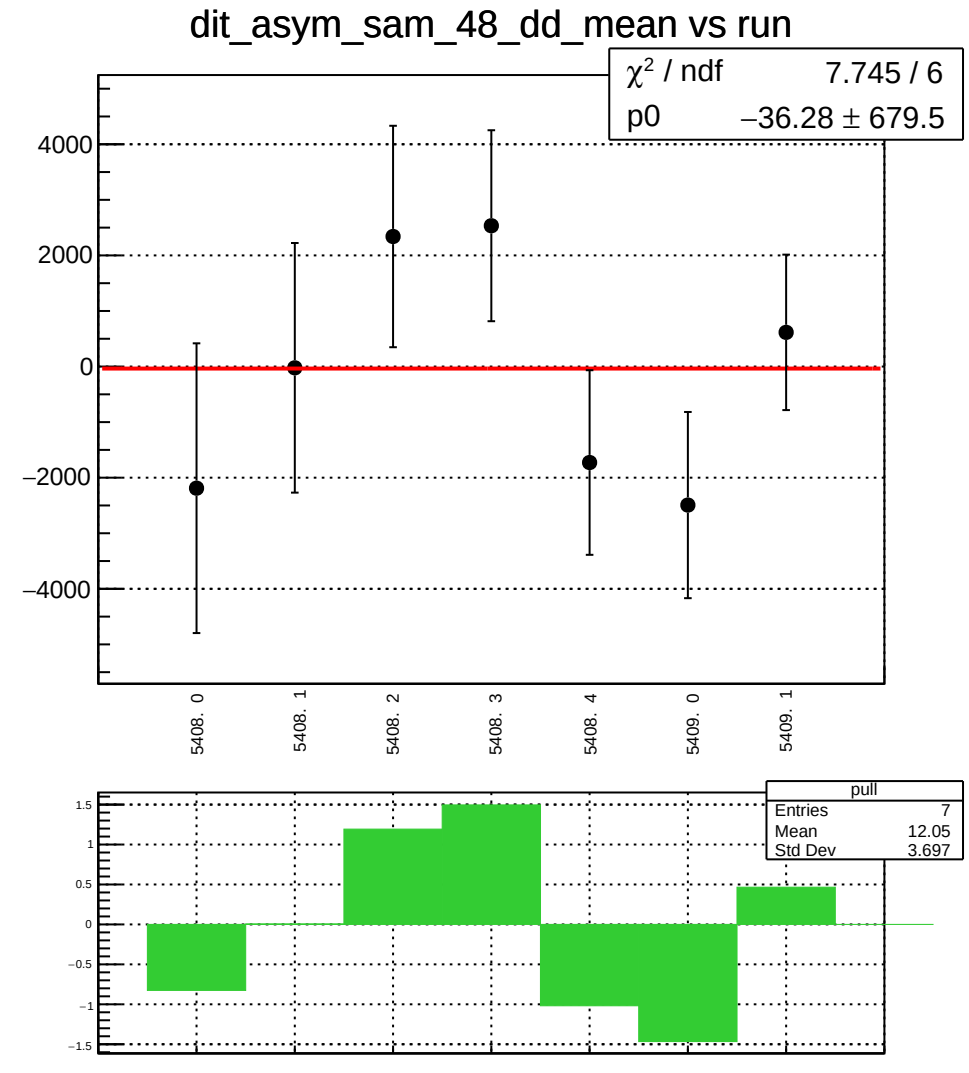

asym_sam_37_dd_correction_rms vs run
χ² / ndf 9.772 / 6
p0 309.1 ± 0.8238
314
312
310
308
306
304
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

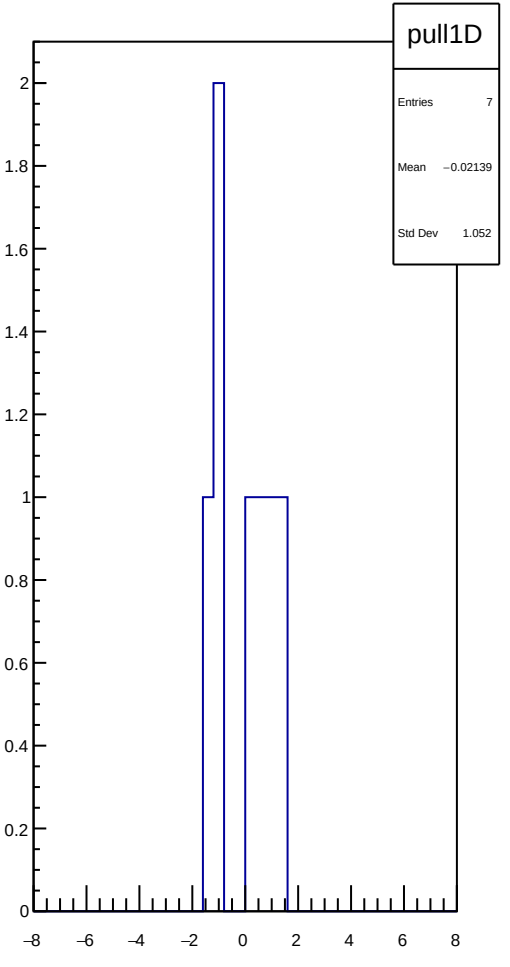

asym_sam_37_dd_mean vs run
χ² / ndf 10.81 / 6
p0 6678 ± 3967
40000
30000
20000
10000
0
−10000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

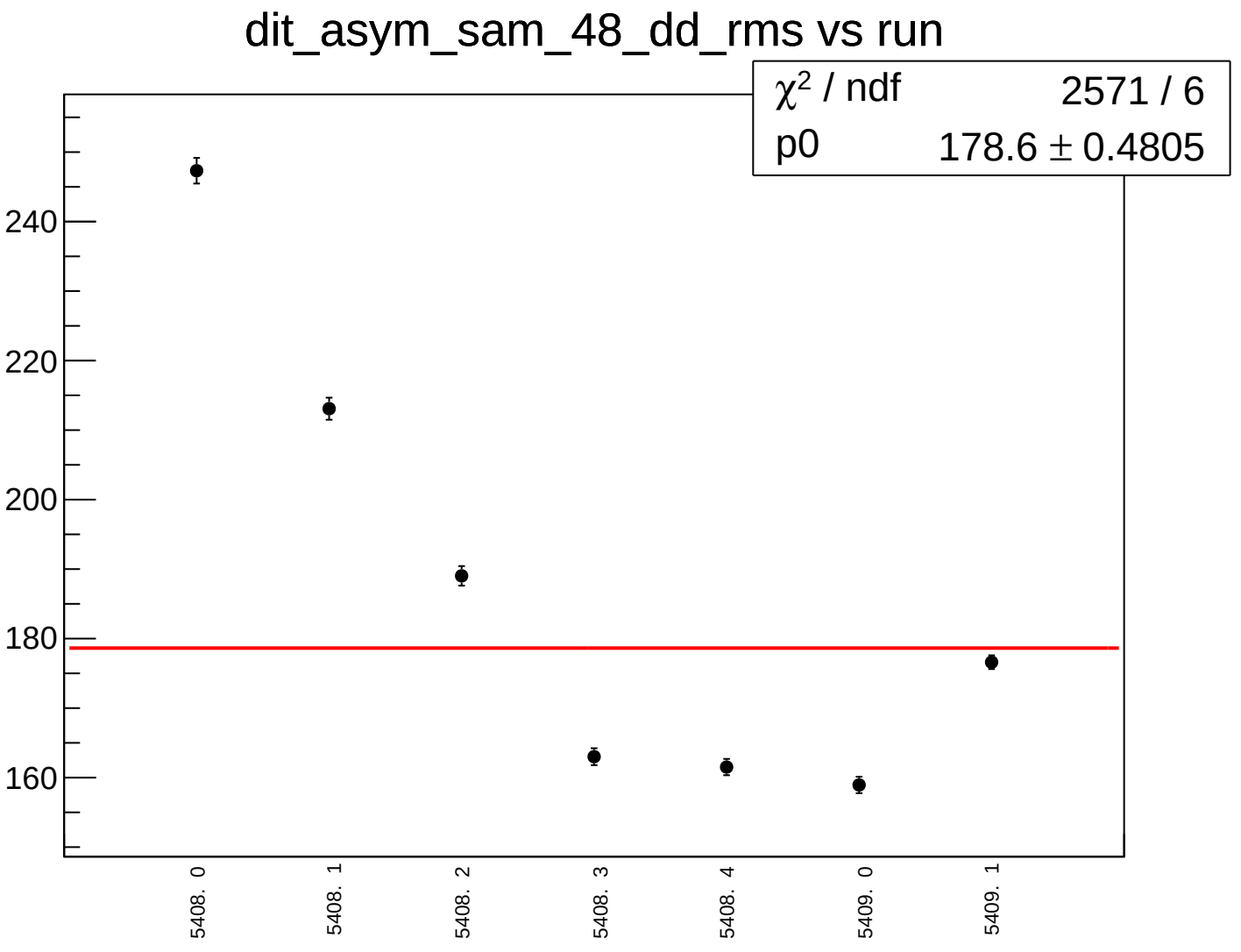

pull
Entries 7
Mean 2.1
Std Dev 4.642
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

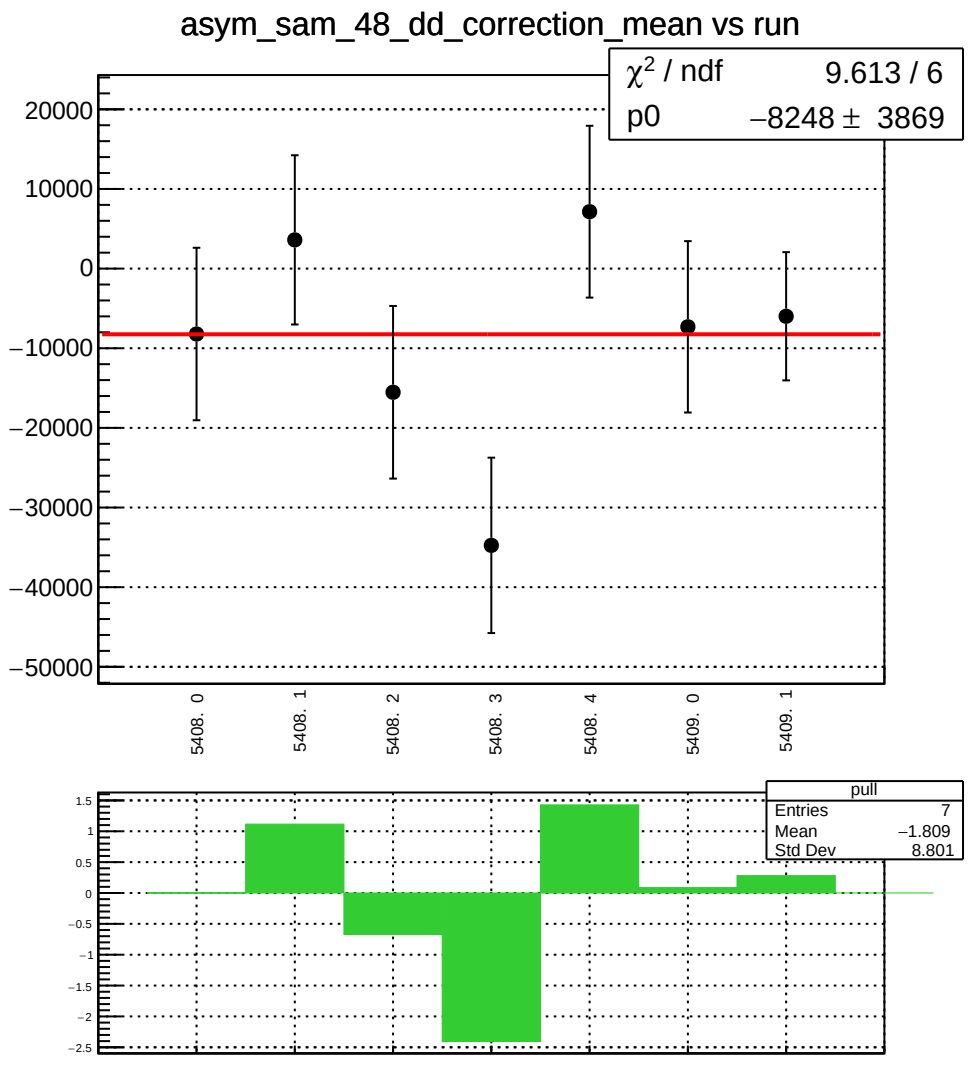

pull1D
Entries 7
Mean −0.02641
Std Dev 1.242
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

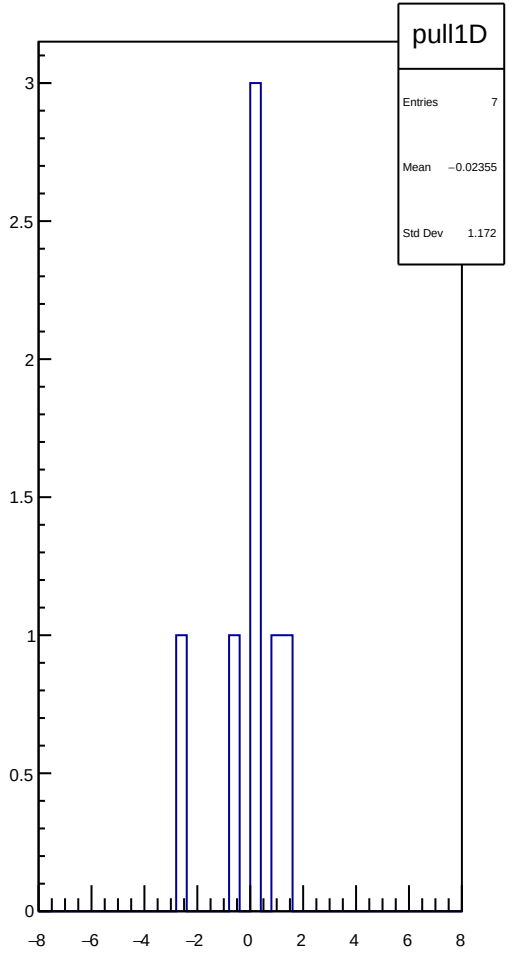

asym_sam_37_dd_rms vs run
χ² / ndf 179.8 / 6
p0 1052 ± 2.805
1140
1120
1100
1080
1060
1040
1020
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

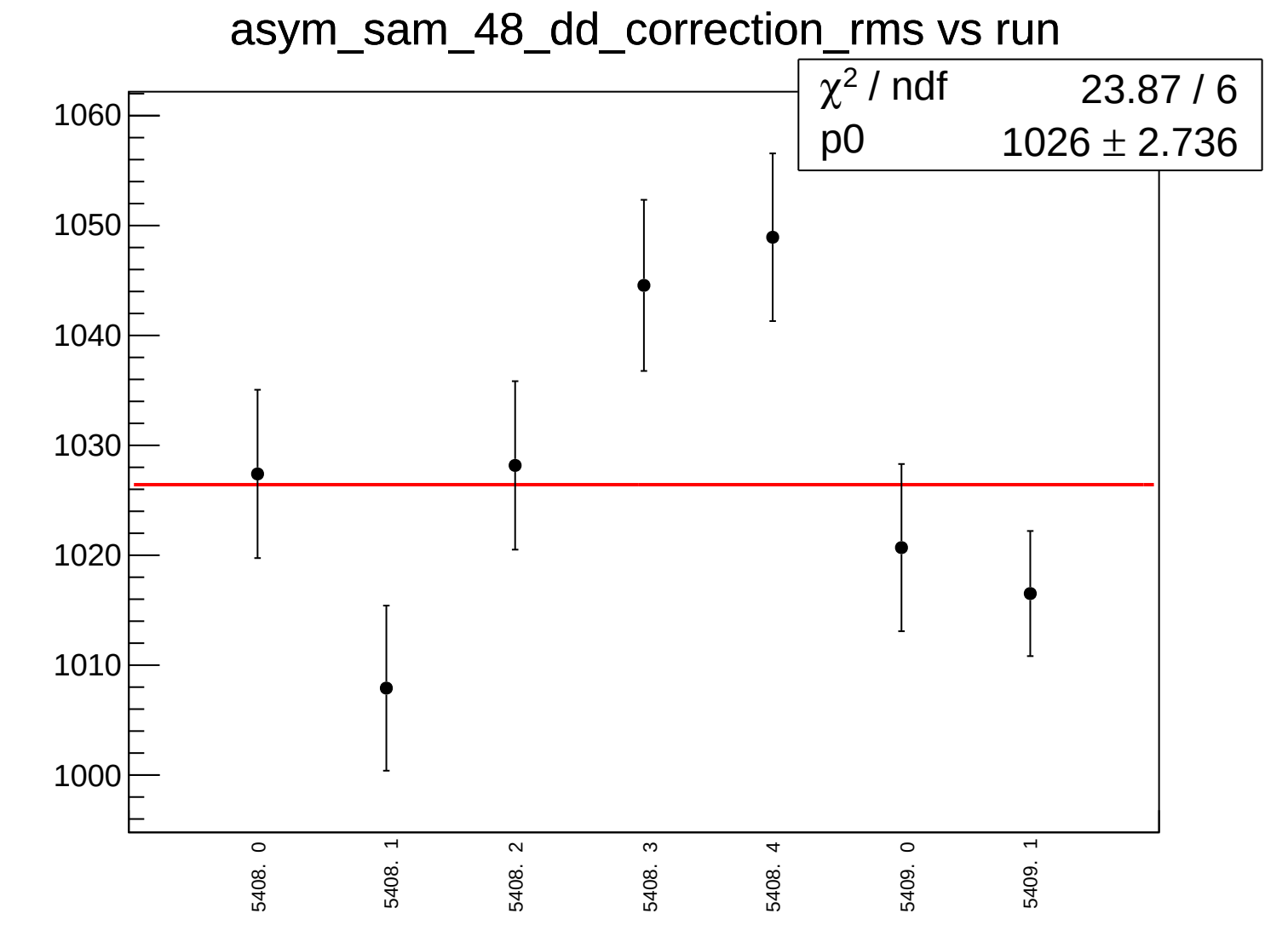

dit_asym_sam_48_dd_mean vs run
χ² / ndf 7.745 / 6
p0 −36.28 ± 679.5
4000
2000
0
−2000
−4000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.05
Std Dev 3.697
1.5
1
0.5
0
−0.5
−1
−1.5

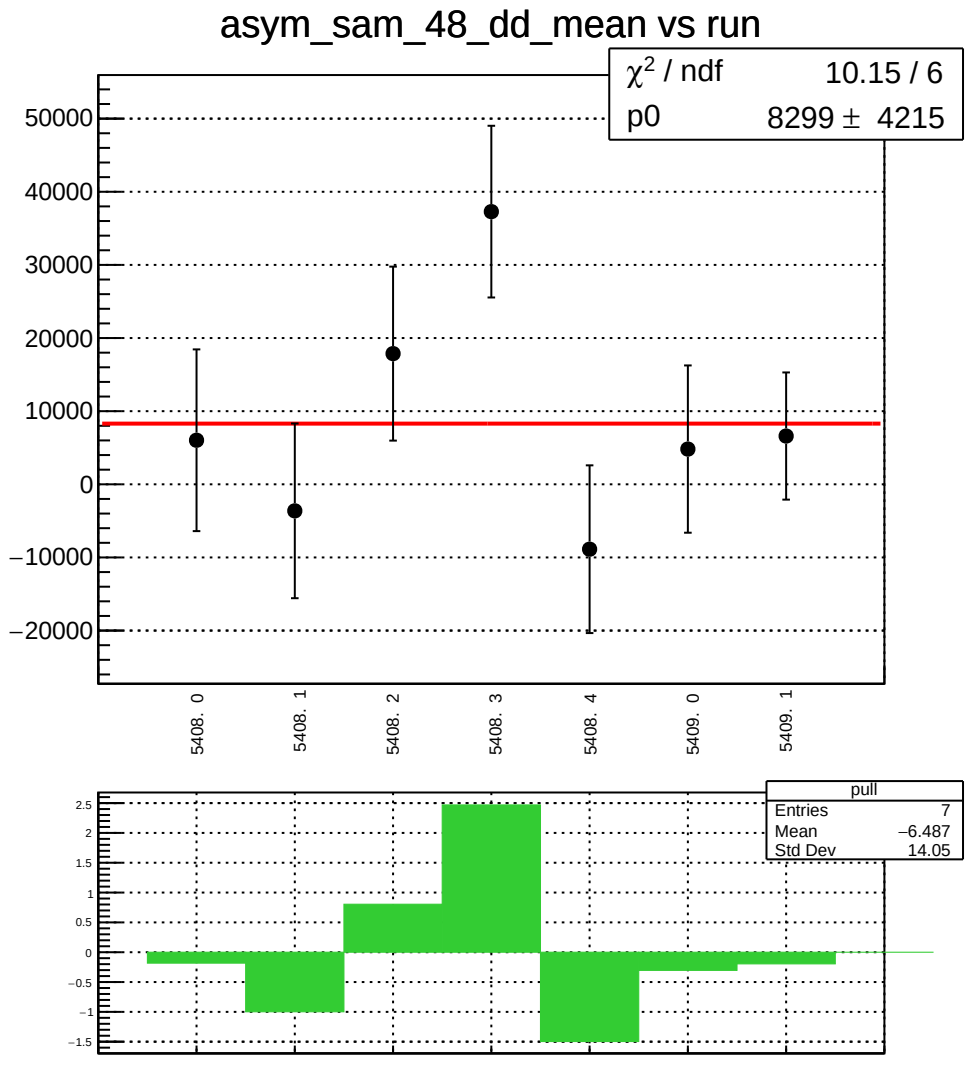

pull1D
Entries 7
Mean −0.02139
Std Dev 1.052
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

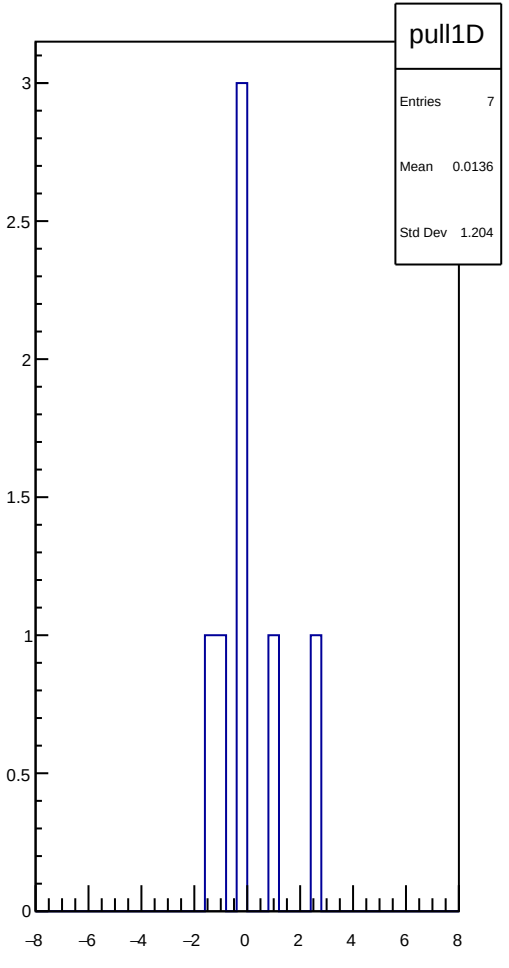

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2571 / 6
p0 178.6 ± 0.4805
240
220
200
180
160
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

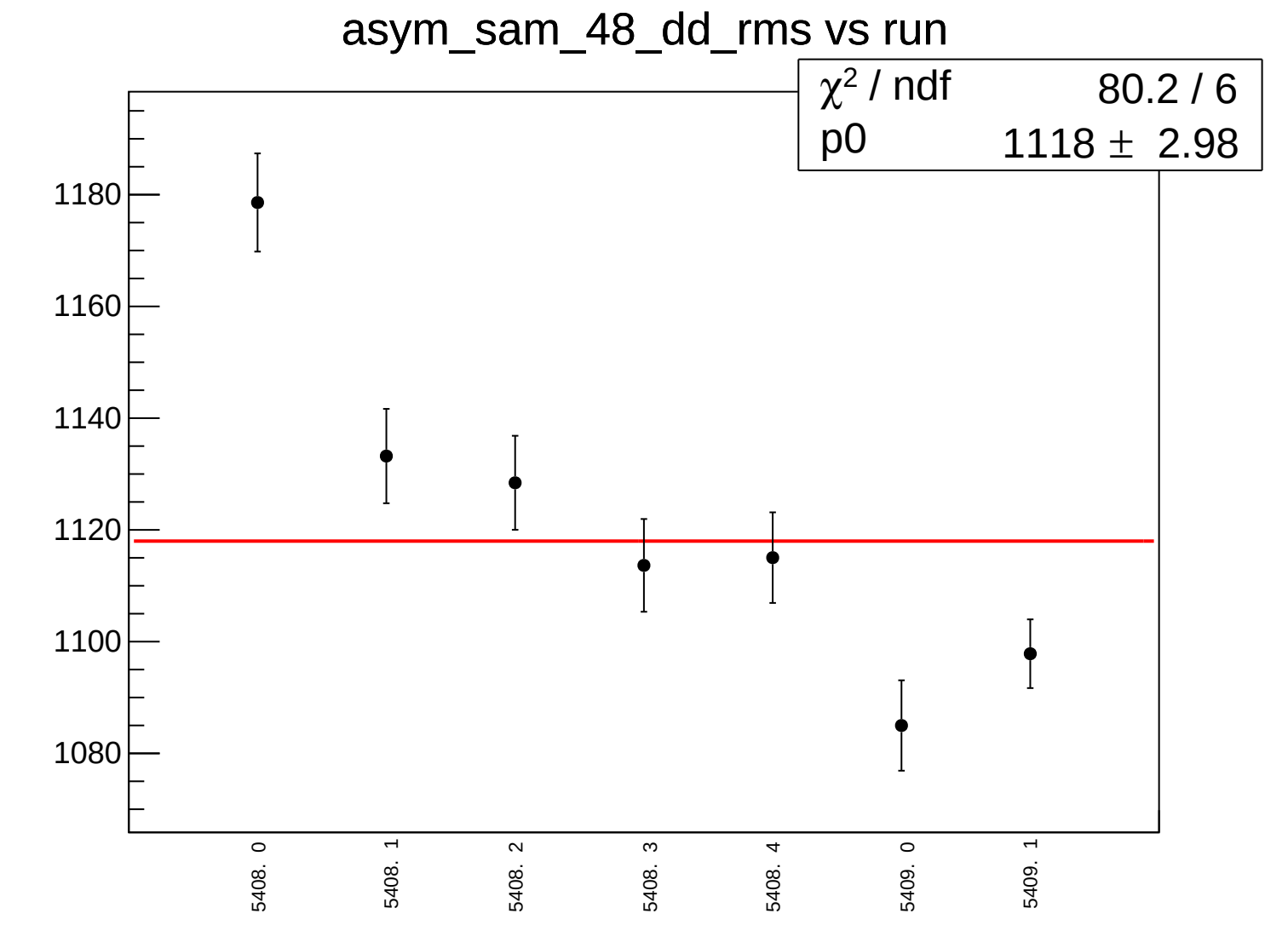

asym_sam_48_dd_correction_mean vs run
χ² / ndf 9.613 / 6
p0 −8248 ± 3869
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.809
Std Dev 8.801
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

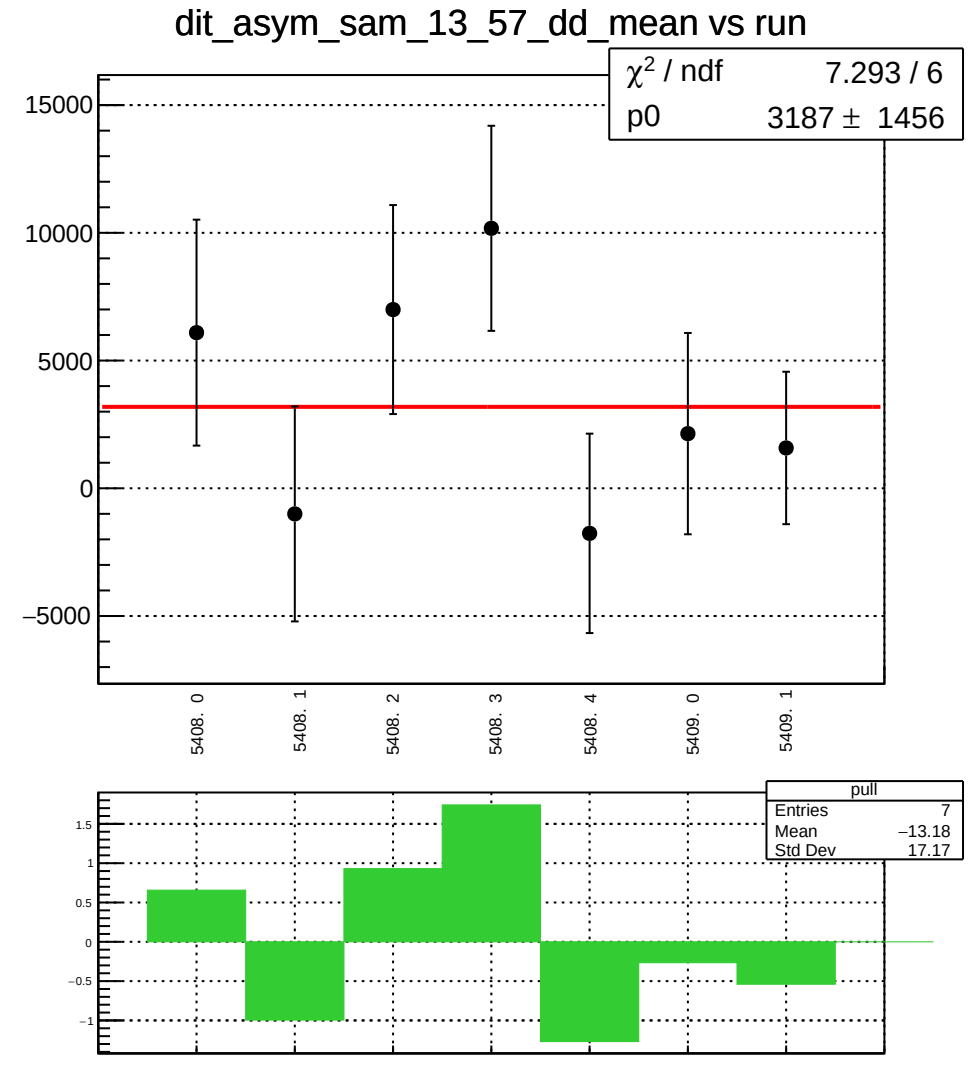

pull1D
Entries 7
Mean −0.02355
Std Dev 1.172
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

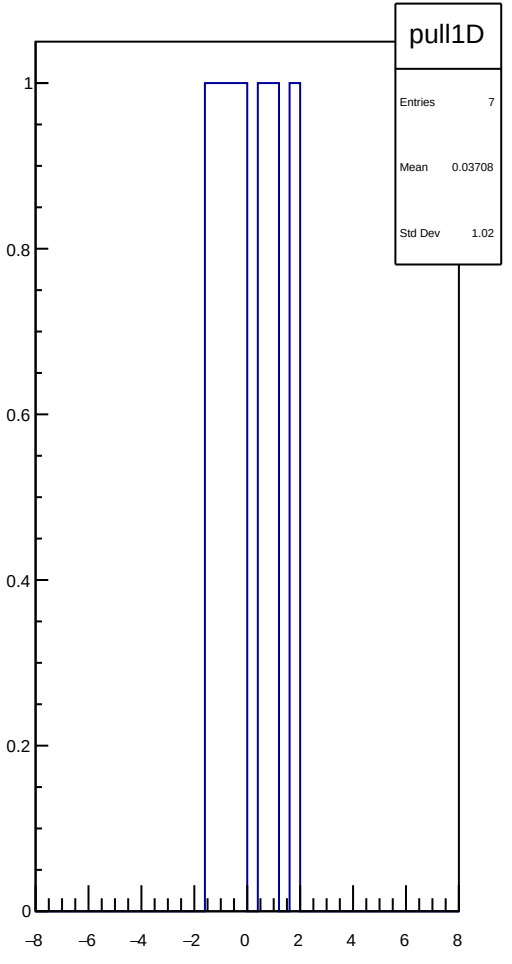

asym_sam_48_dd_correction_rms vs run
χ² / ndf 23.87 / 6
p0 1026 ± 2.736
1060
1050
1040
1030
1020
1010
1000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

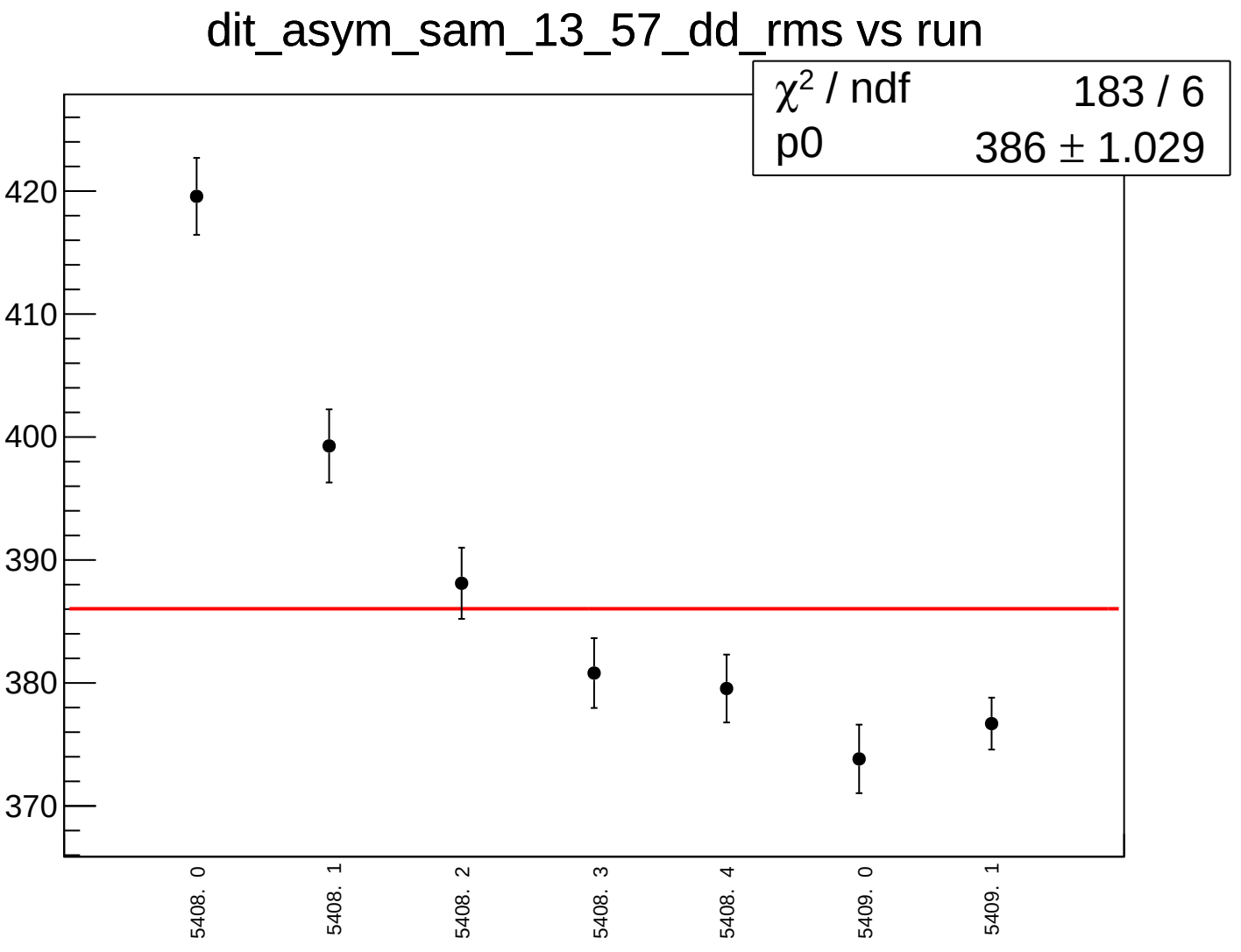

asym_sam_48_dd_mean vs run
χ² / ndf 10.15 / 6
p0 8299 ± 4215
50000
40000
30000
20000
10000
0
−10000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −6.487
Std Dev 14.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

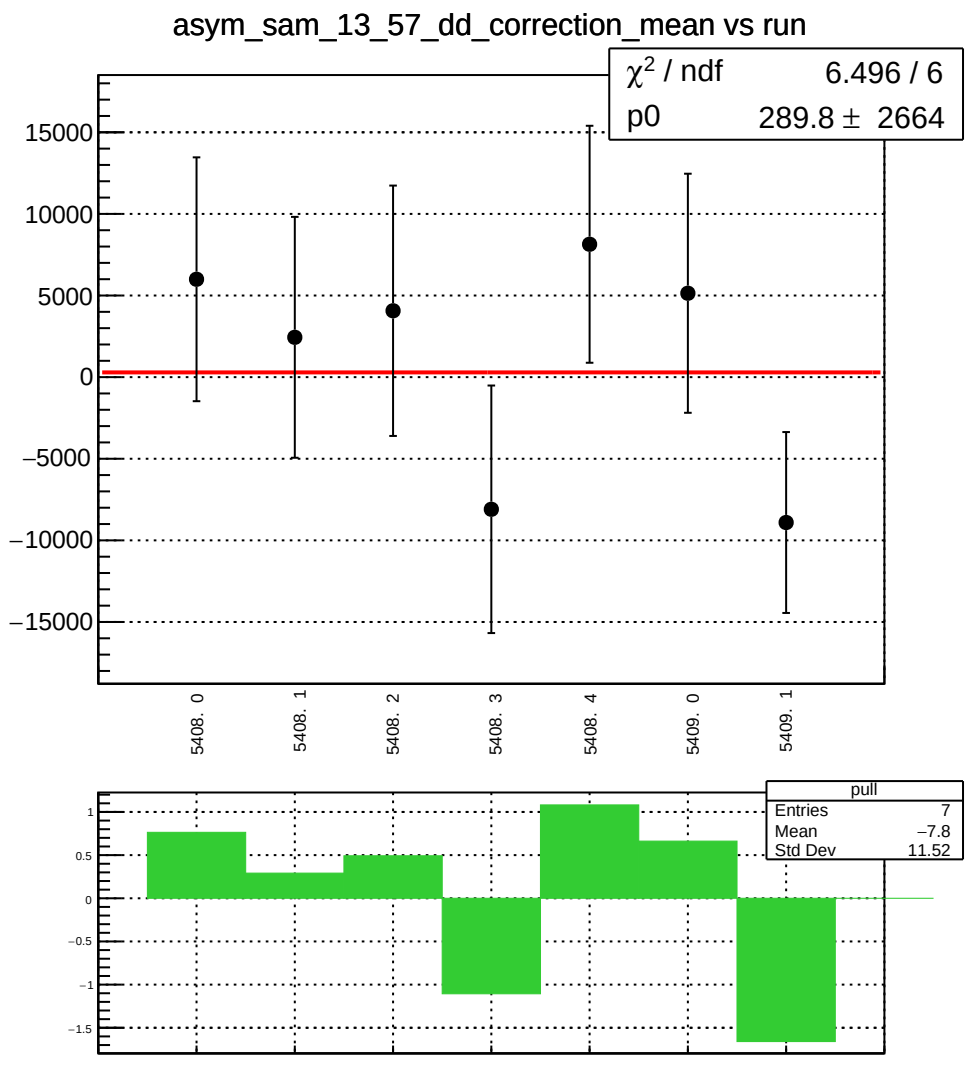

pull1D
Entries 7
Mean 0.0136
Std Dev 1.204
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

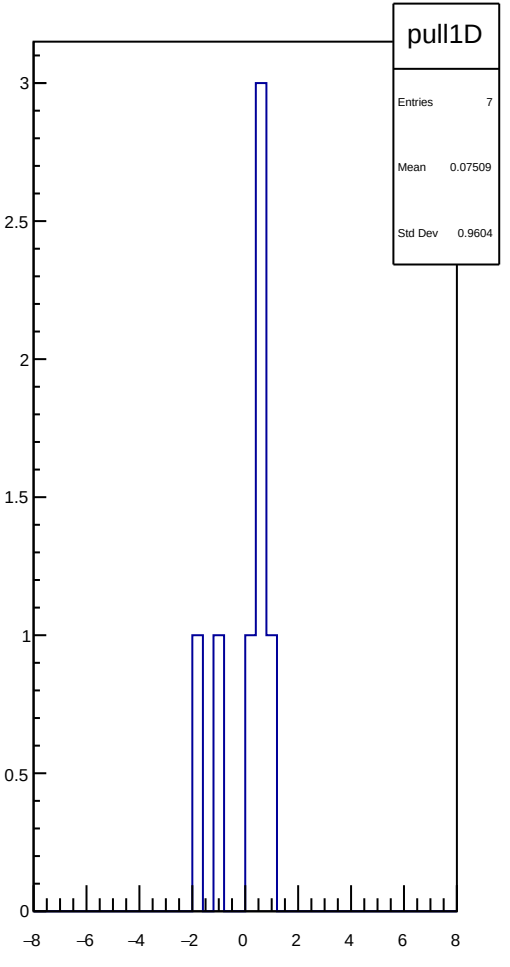

asym_sam_48_dd_rms vs run
χ² / ndf 80.2 / 6
p0 1118 ± 2.98
1180
1160
1140
1120
1100
1080
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

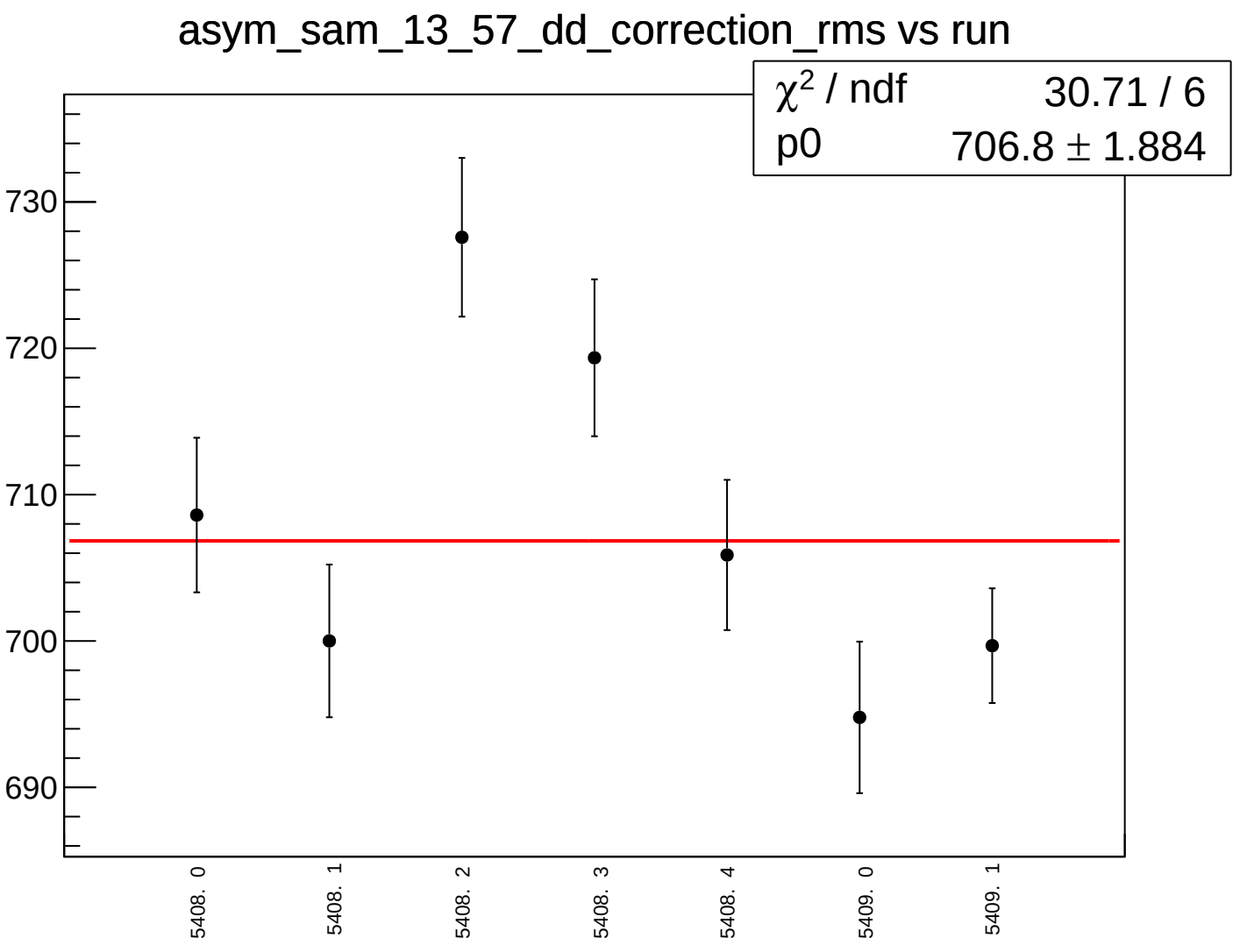

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 7.293 / 6
p0 3187 ± 1456
15000
10000
5000
0
−5000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −13.18
Std Dev 17.17
1.5
1
0.5
0
−0.5
−1

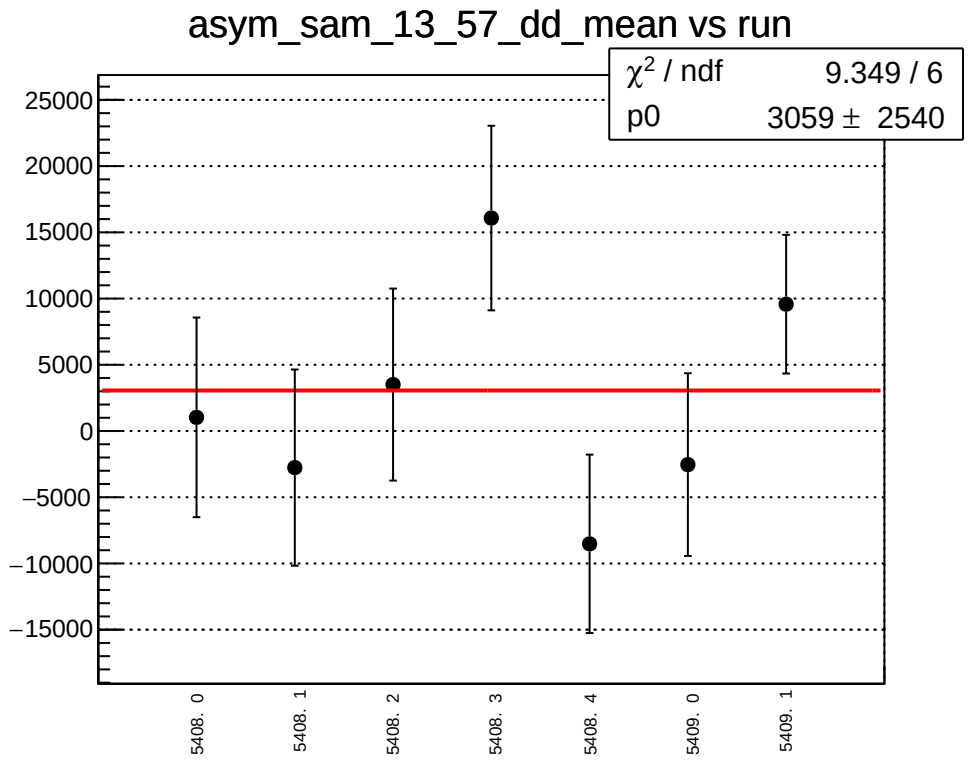

pull1D
Entries 7
Mean 0.03708
Std Dev 1.02
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

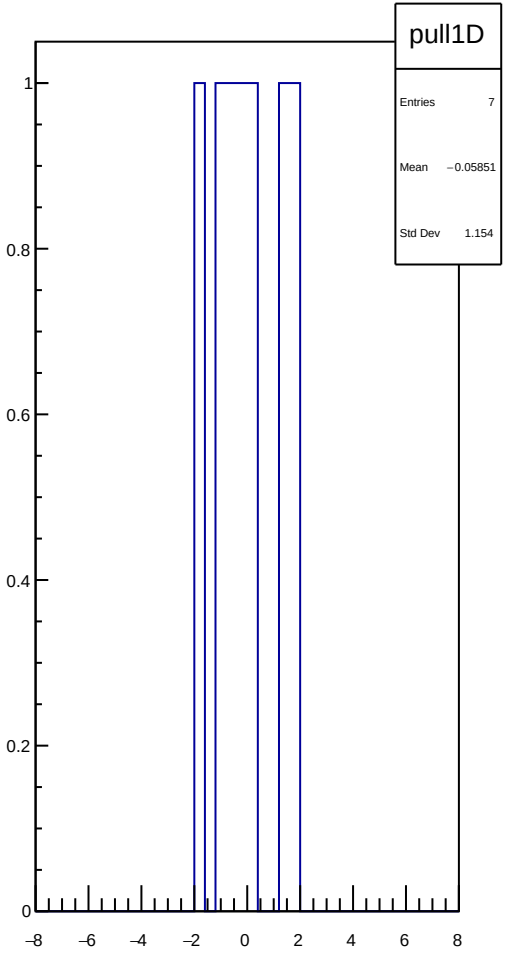

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 183 / 6
p0 386 ± 1.029
420
410
400
390
380
370
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

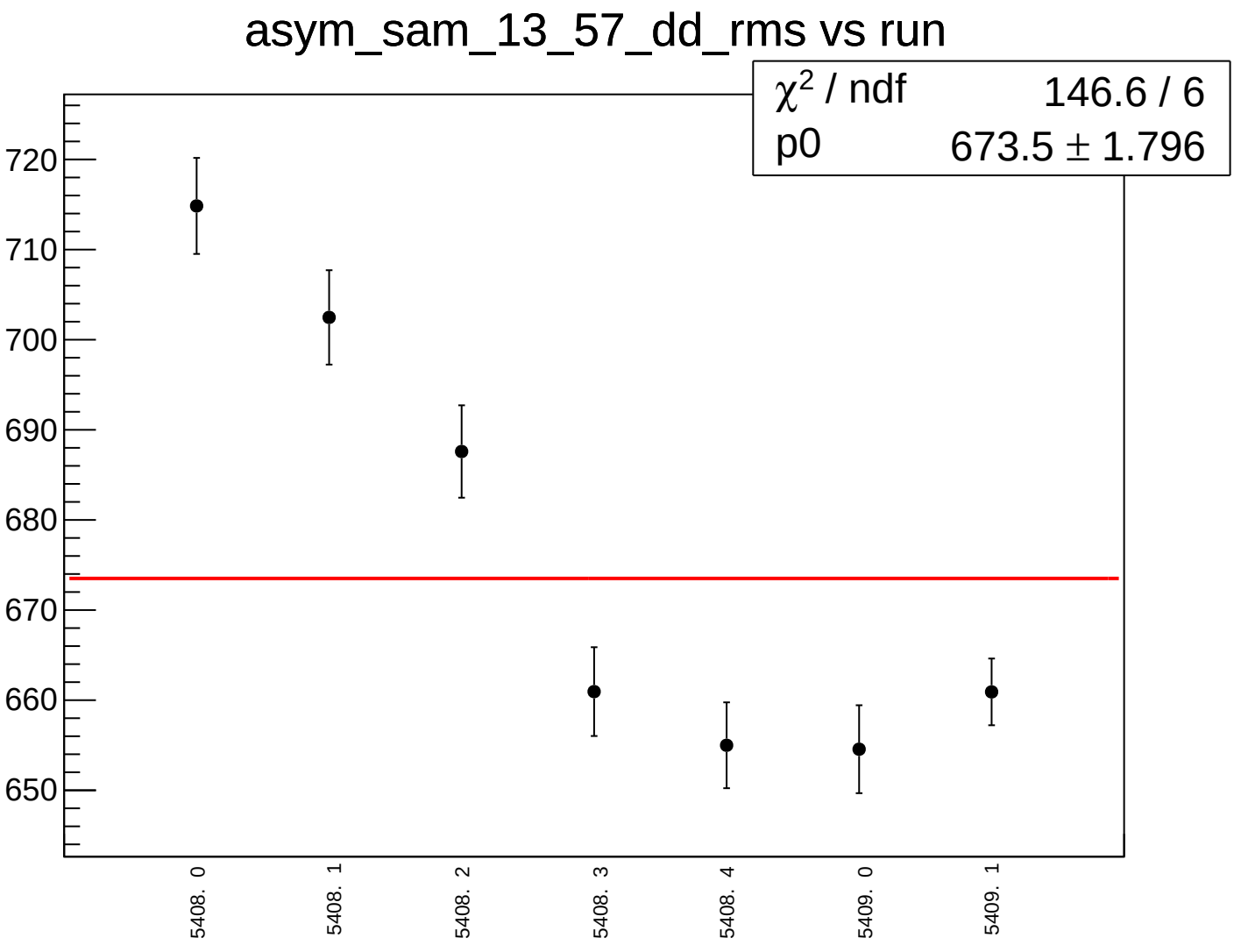

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 6.496 / 6
p0 289.8 ± 2664
15000
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.8
Std Dev 11.52
1
0.5
0
−0.5
−1
−1.5

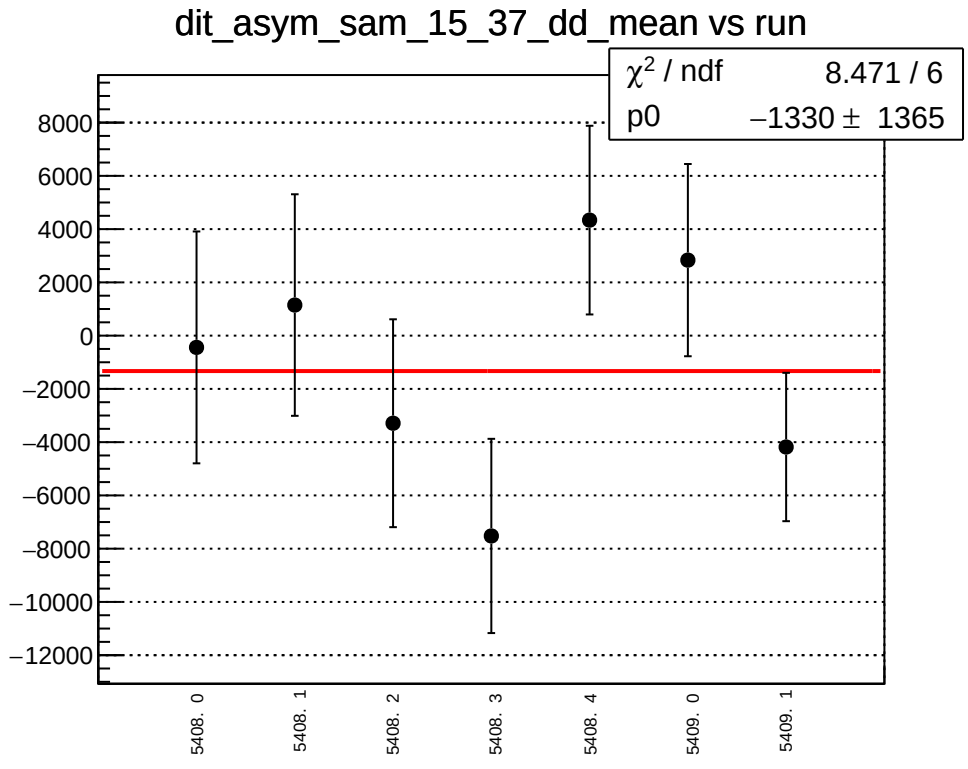

pull1D
Entries 7
Mean 0.07509
Std Dev 0.9604
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

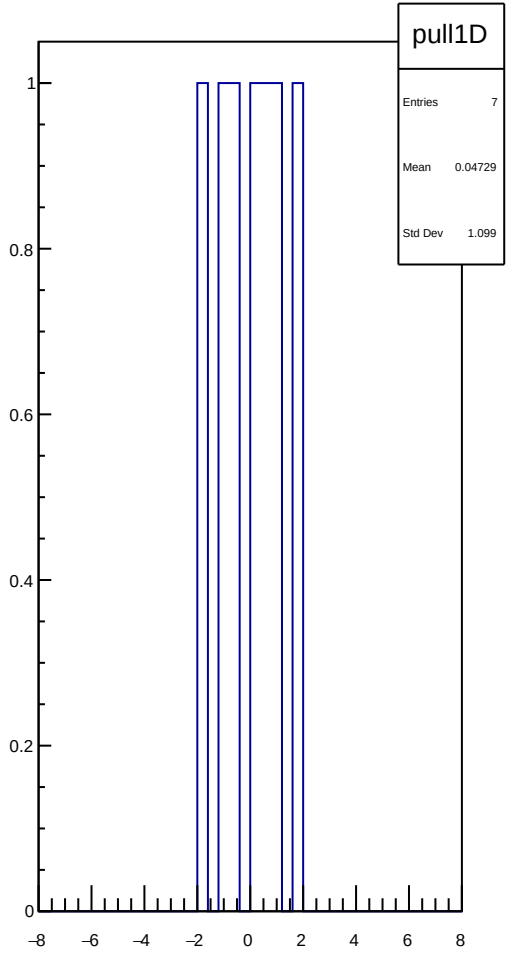

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 30.71 / 6
p0 706.8 ± 1.884
730
720
710
700
690
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

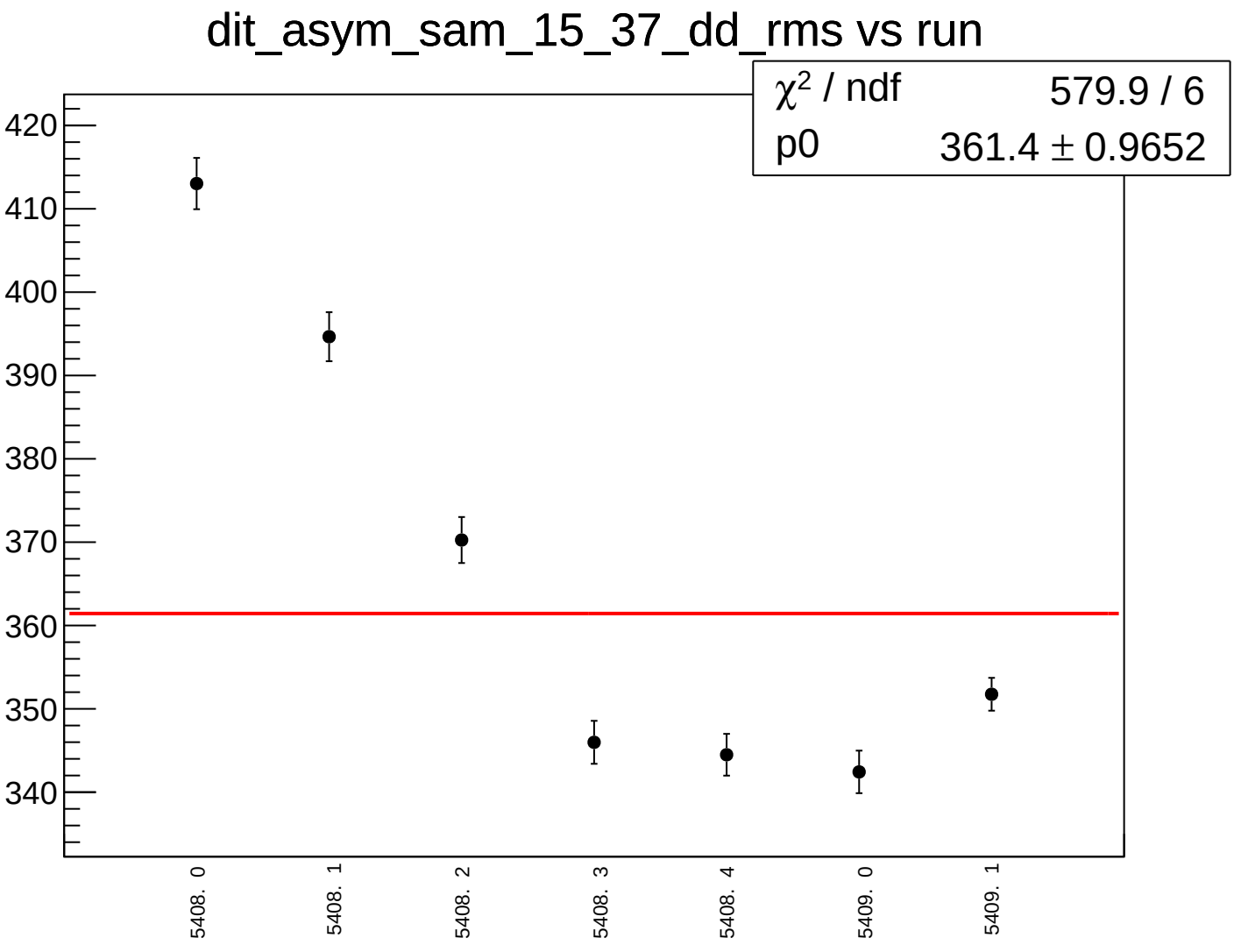

asym_sam_13_57_dd_mean vs run
χ² / ndf 9.349 / 6
p0 3059 ± 2540
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −3.121
Std Dev 6.756
2
1.5
1
0.5
0
−0.5
−1
−1.5

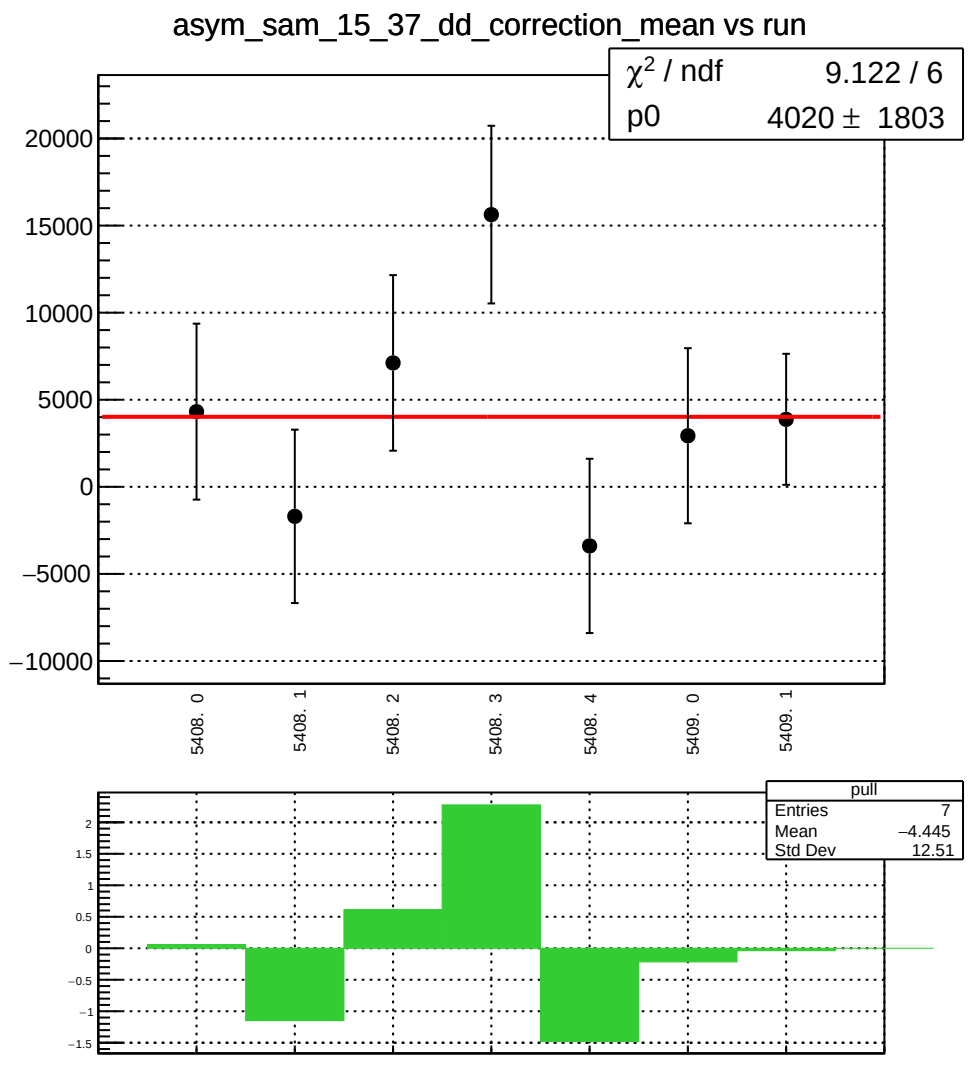

pull1D
Entries 7
Mean −0.05851
Std Dev 1.154
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

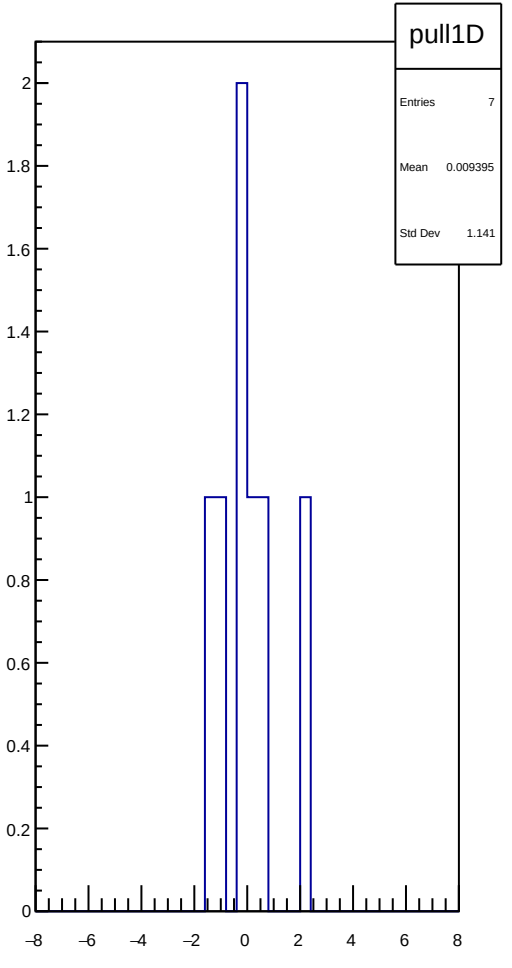

asym_sam_13_57_dd_rms vs run
χ² / ndf 146.6 / 6
p0 673.5 ± 1.796
720
710
700
690
680
670
660
650
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

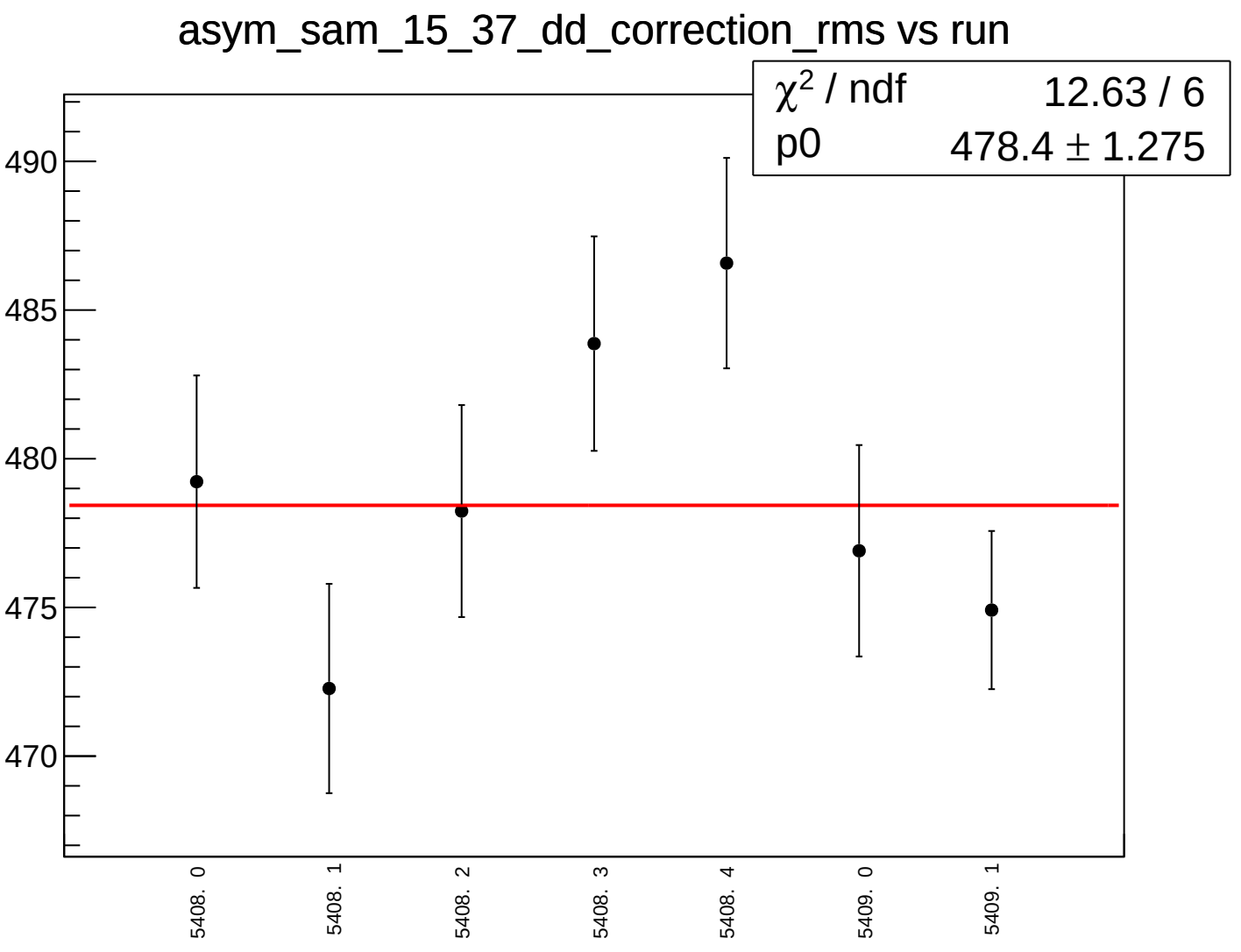

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 8.471 / 6
p0 −1330 ± 1365
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 2.096
Std Dev 0.4632
1.5
1
0.5
0
−0.5
−1
−1.5

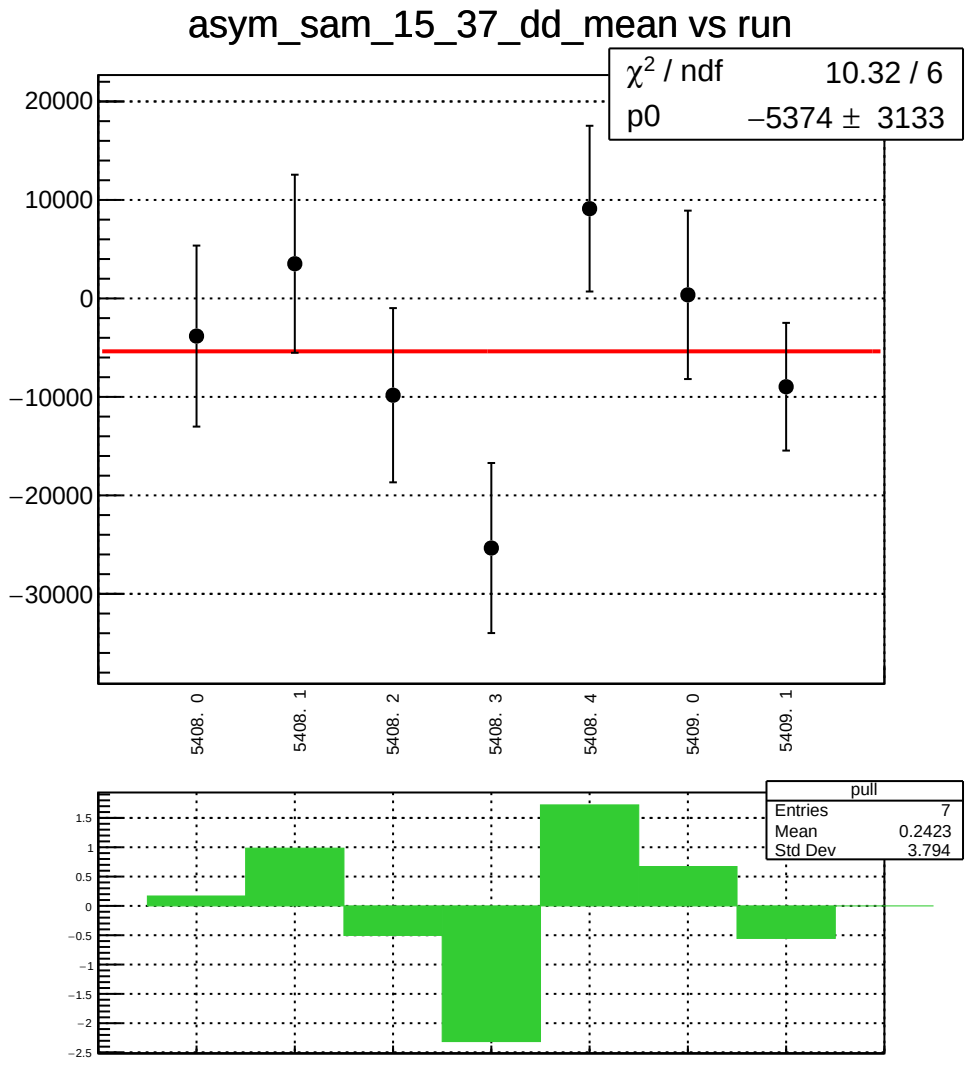

pull1D
Entries 7
Mean 0.04729
Std Dev 1.099
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

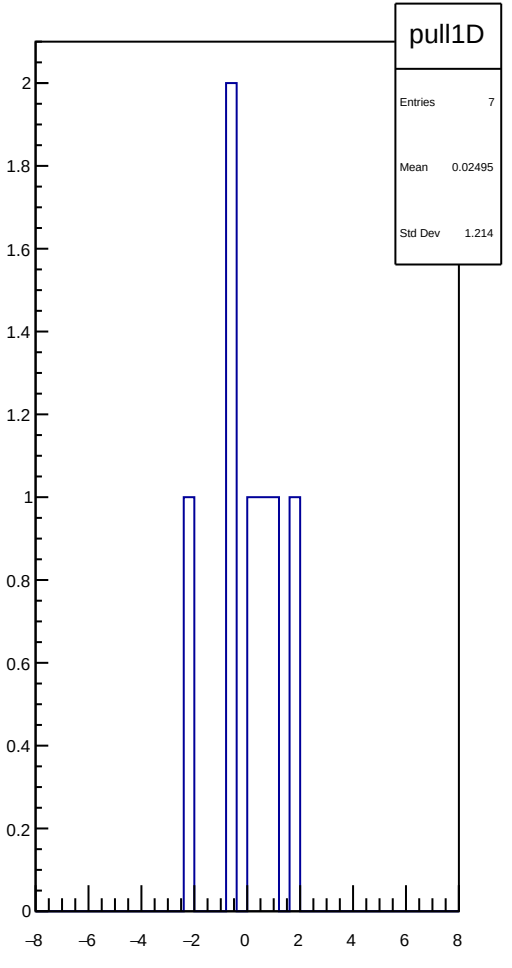

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 579.9 / 6
p0 361.4 ± 0.9652
420
410
400
390
380
370
360
350
340
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

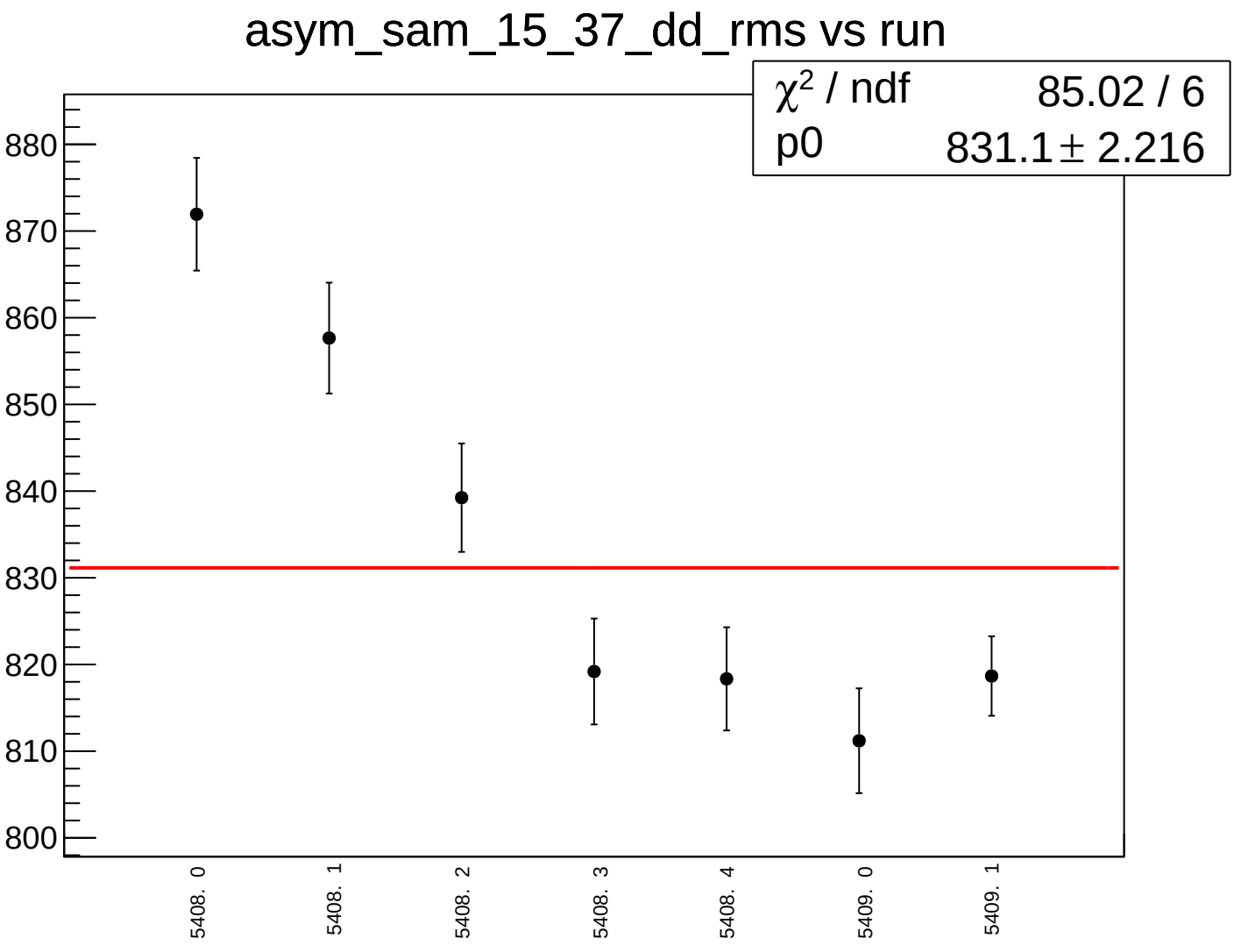

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 9.122 / 6
p0 4020 ± 1803
20000
15000
10000
5000
0
−5000
−10000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −4.445
Std Dev 12.51
2
1.5
1
0.5
0
−0.5
−1
−1.5

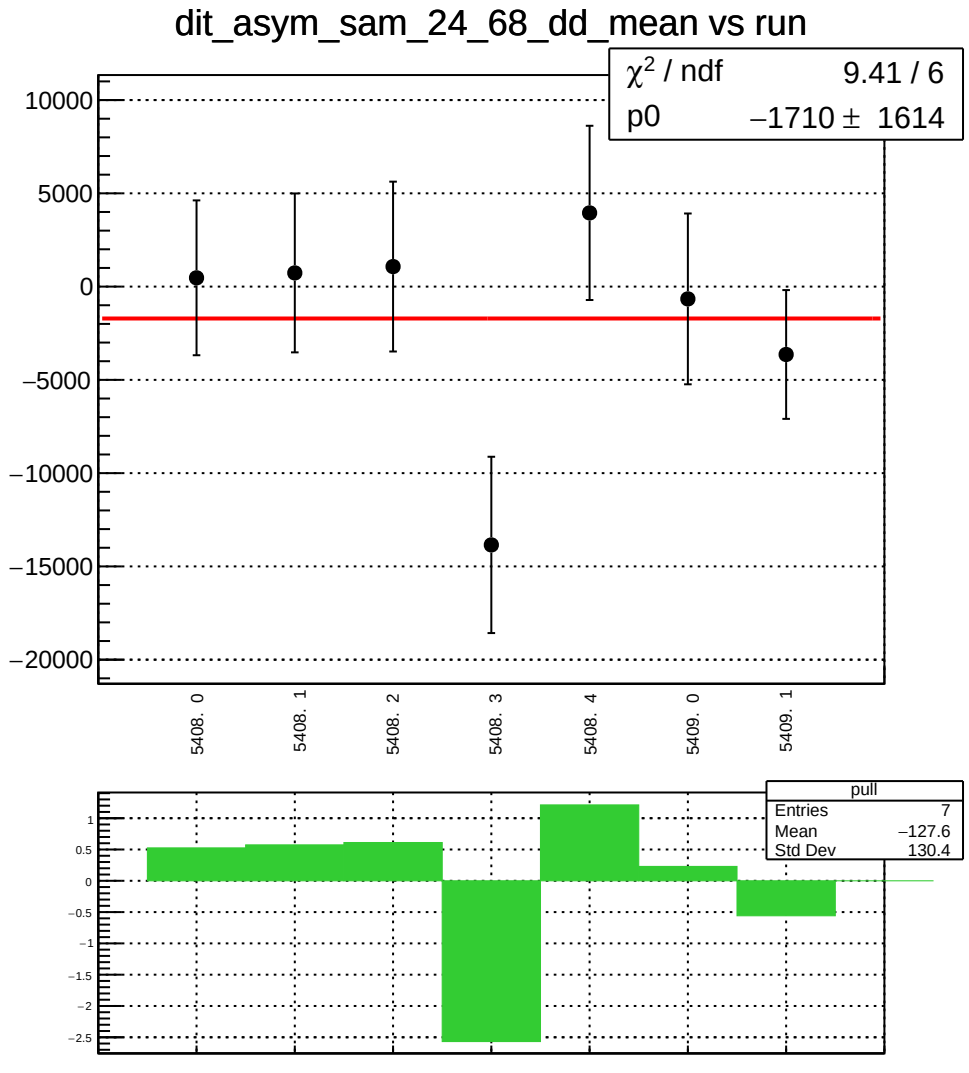

pull1D
Entries 7
Mean 0.009395
Std Dev 1.141
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

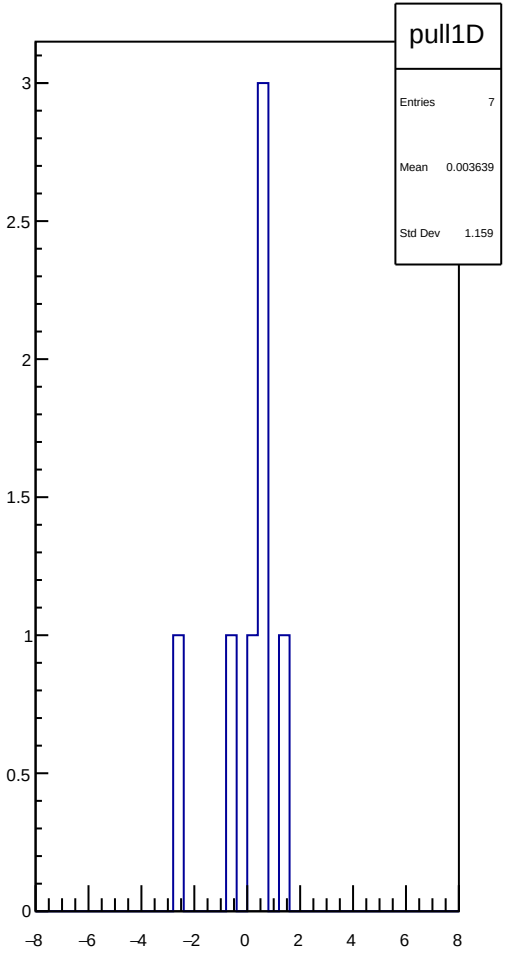

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 12.63 / 6
p0 478.4 ± 1.275
490
485
480
475
470
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

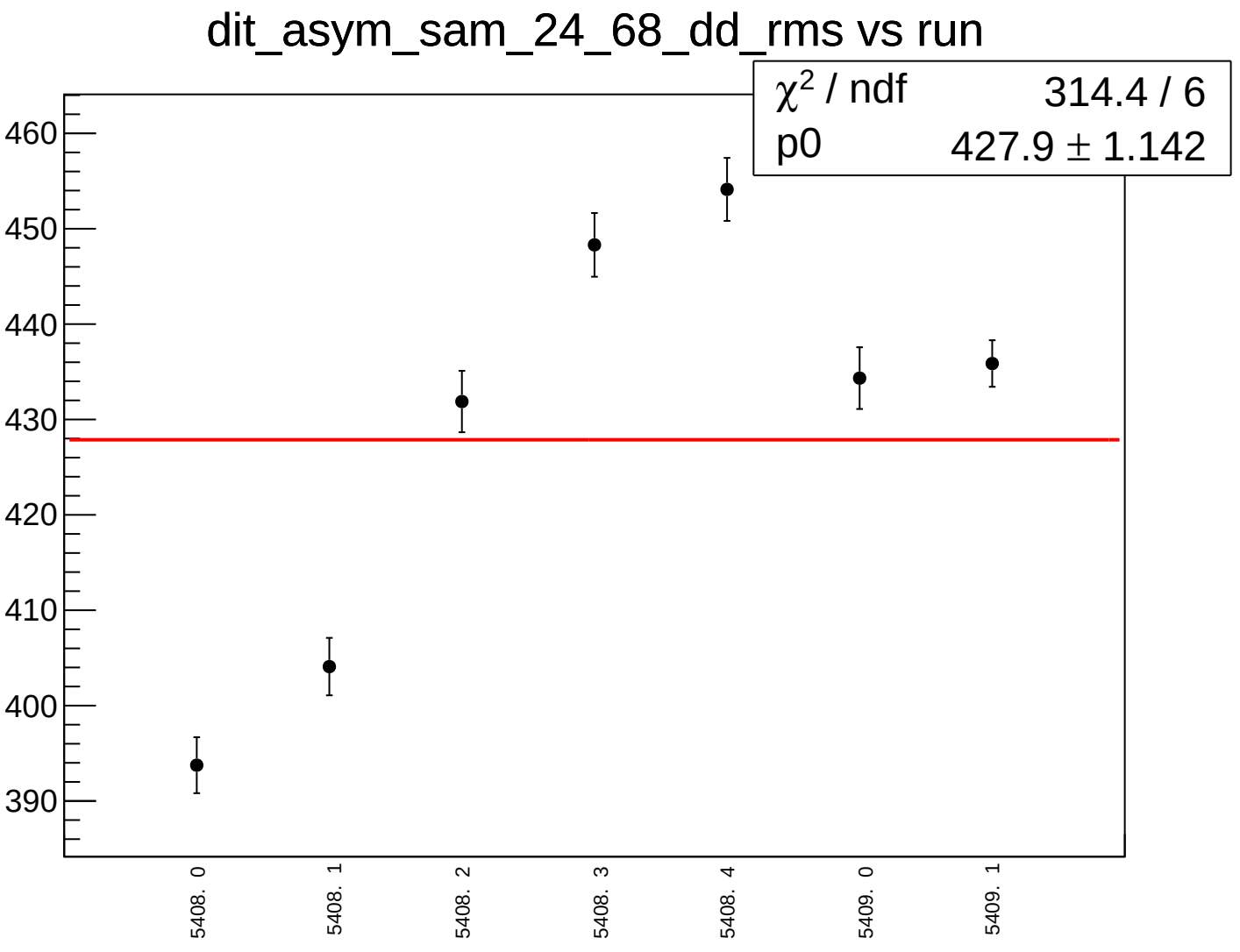

asym_sam_15_37_dd_mean vs run
χ² / ndf 10.32 / 6
p0 −5374 ± 3133
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.2423
Std Dev 3.794
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

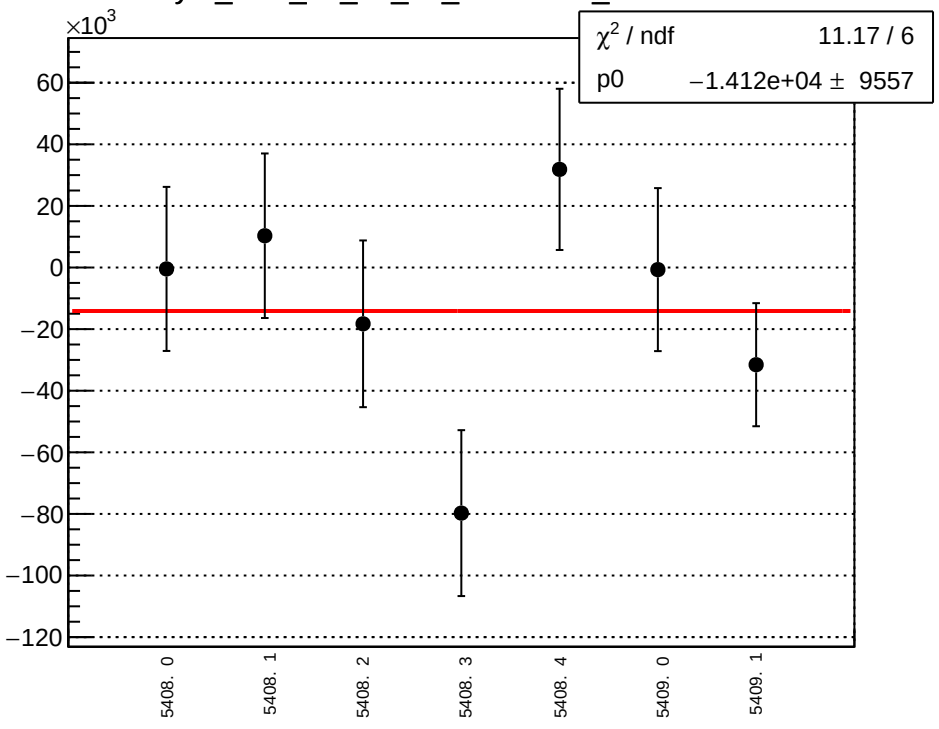

pull1D
Entries 7
Mean 0.02495
Std Dev 1.214
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

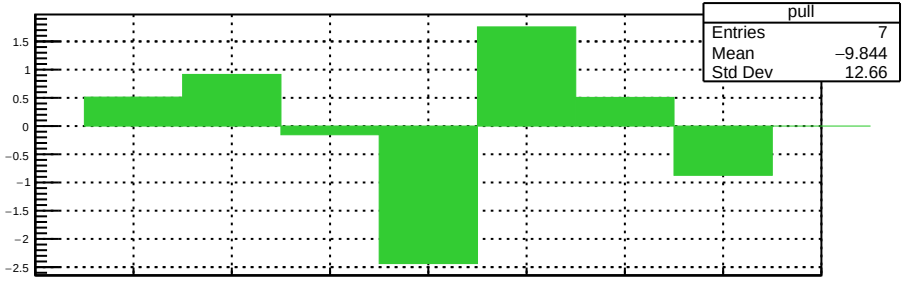

asym_sam_15_37_dd_rms vs run
χ² / ndf 85.02 / 6
p0 831.1 ± 2.216
880
870
860
850
840
830
820
810
800
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

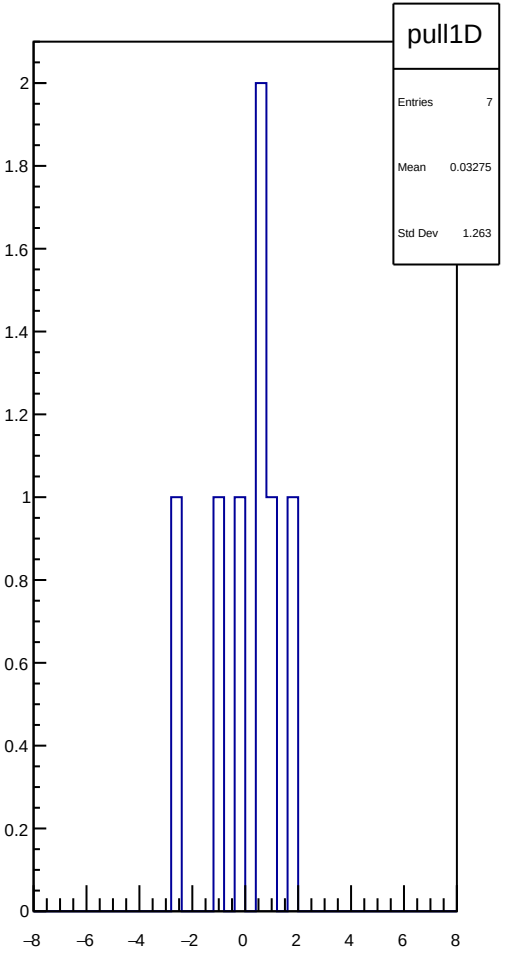

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 9.41 / 6
p0 −1710 ± 1614
10000
5000
0
−5000
−10000
−15000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −127.6
Std Dev 130.4
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

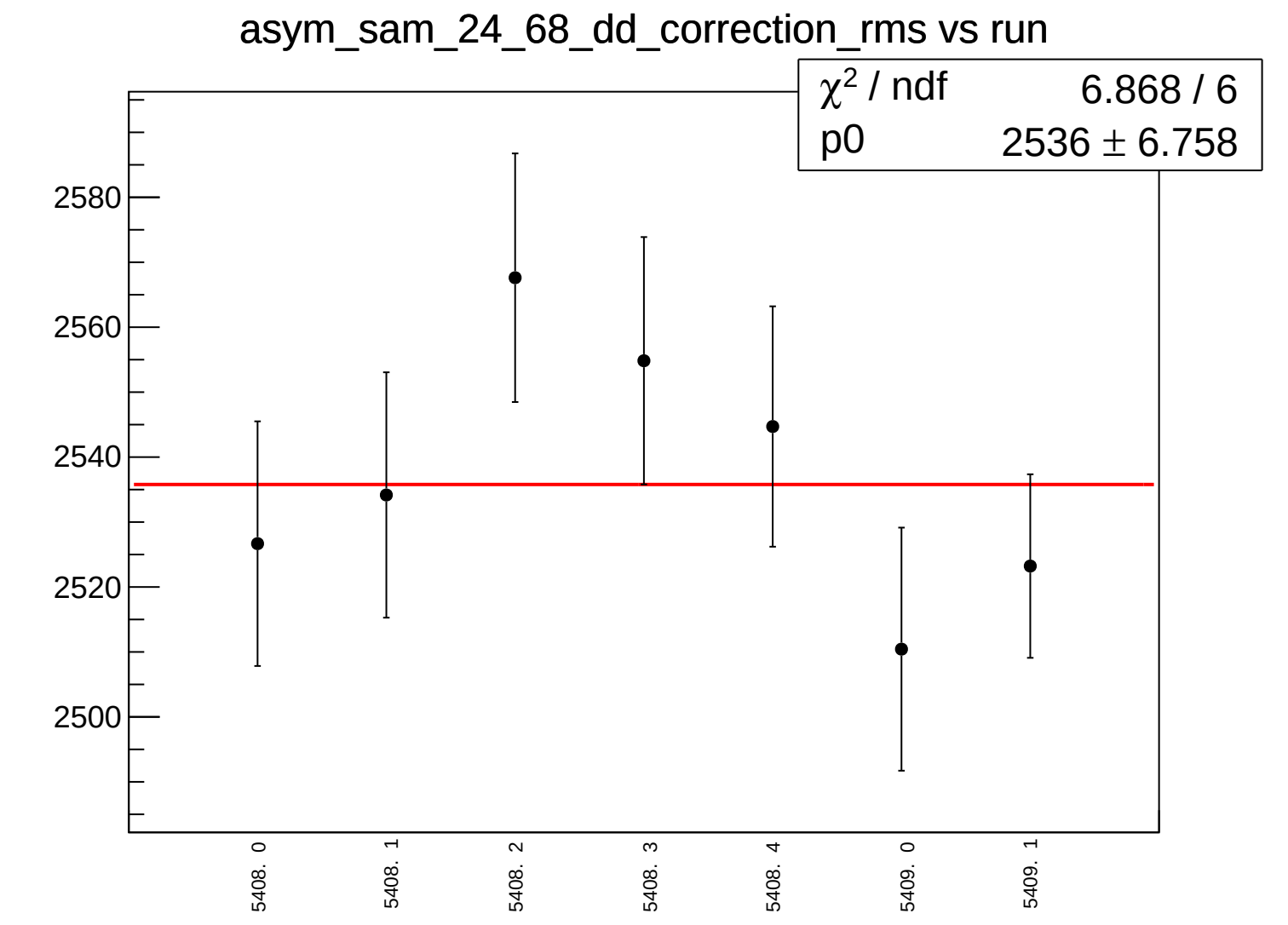

pull1D
Entries 7
Mean 0.003639
Std Dev 1.159
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

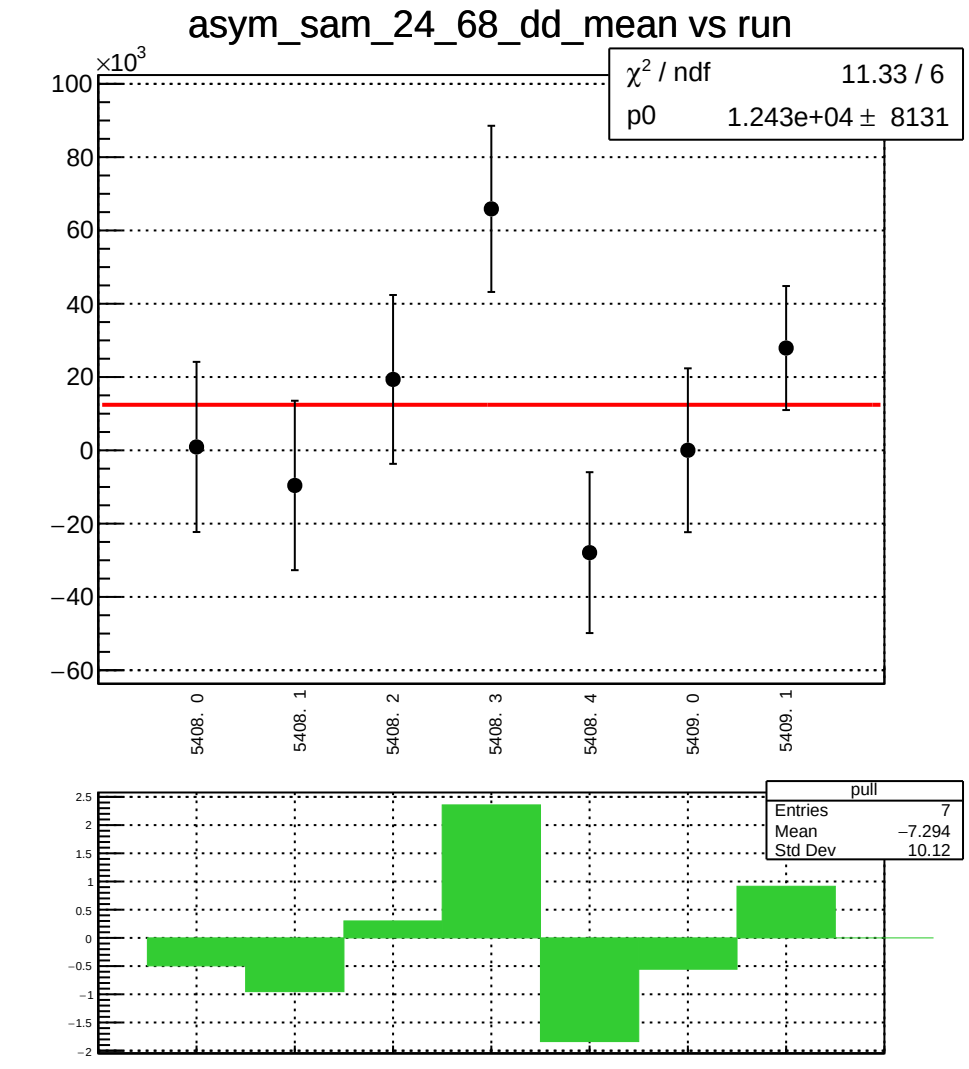

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 314.4 / 6
p0 427.9 ± 1.142
460
450
440
430
420
410
400
390
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

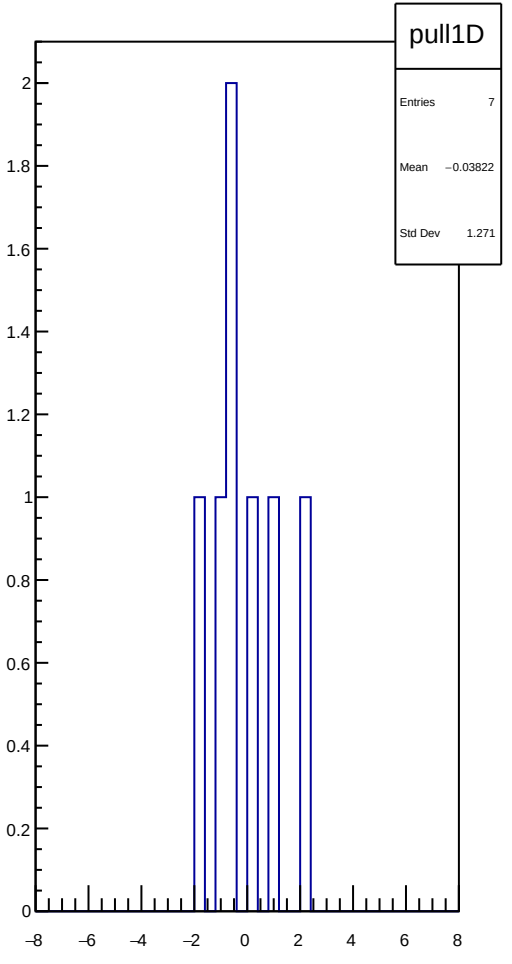

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 11.17 / 6
p0 −1.412e+04 ± 9557
60
40
20
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

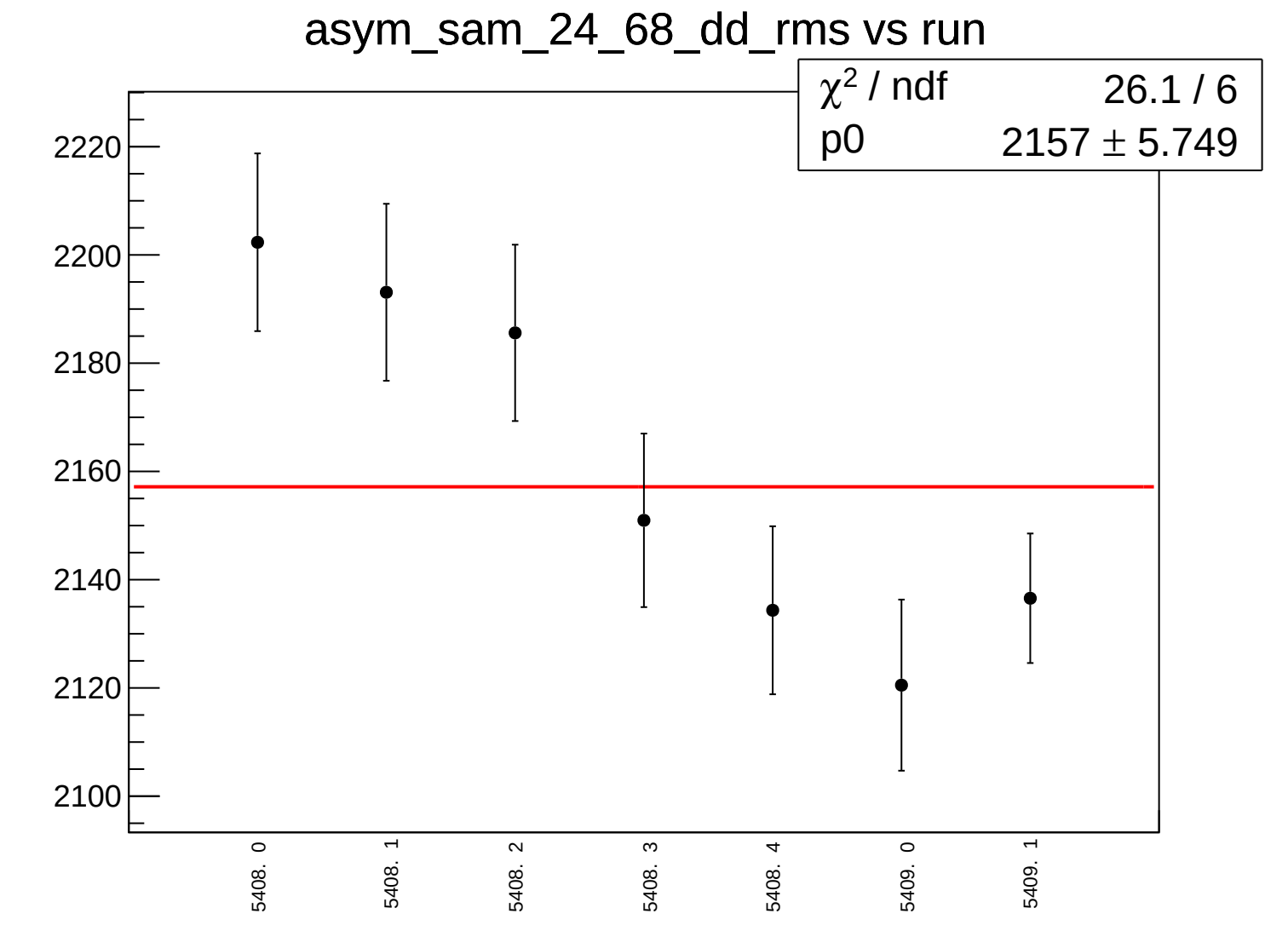

pull
Entries 7
Mean −9.844
Std Dev 12.66
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

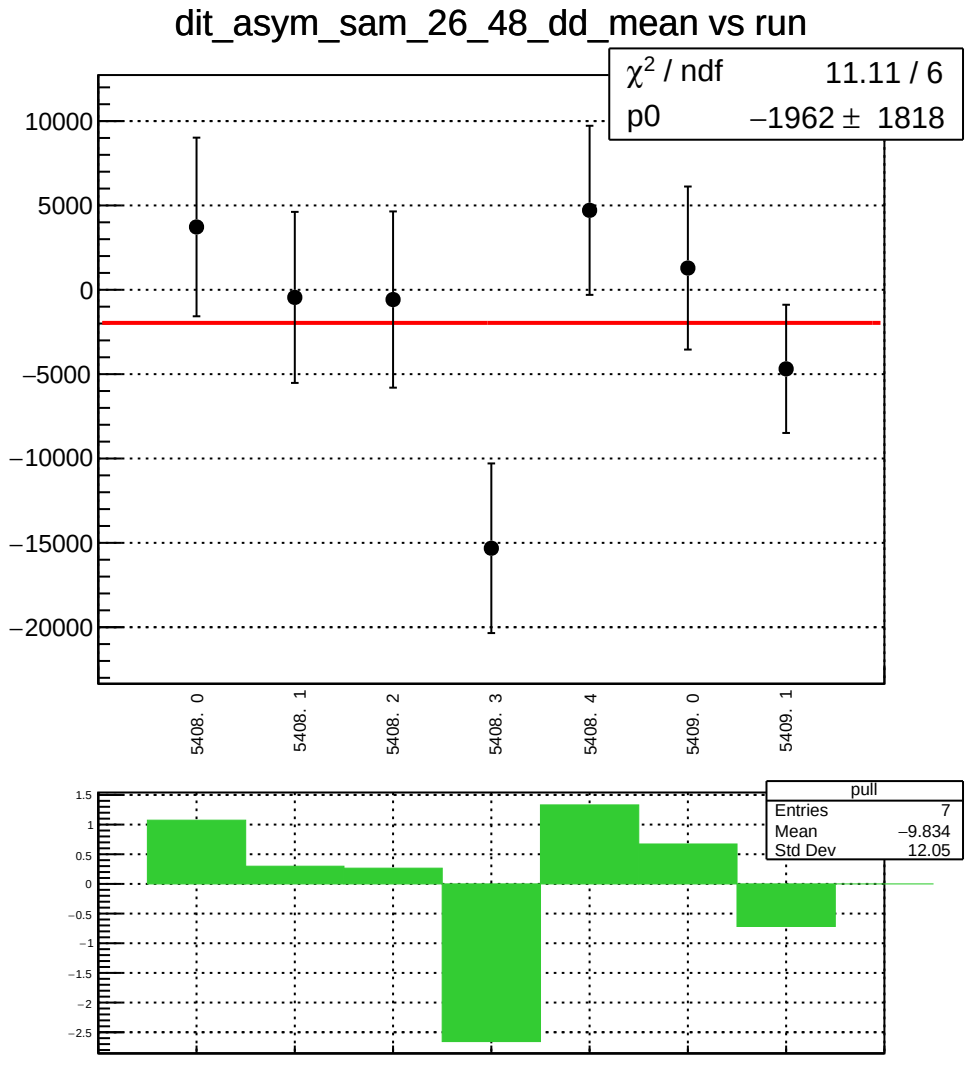

pull1D
Entries 7
Mean 0.03275
Std Dev 1.263
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

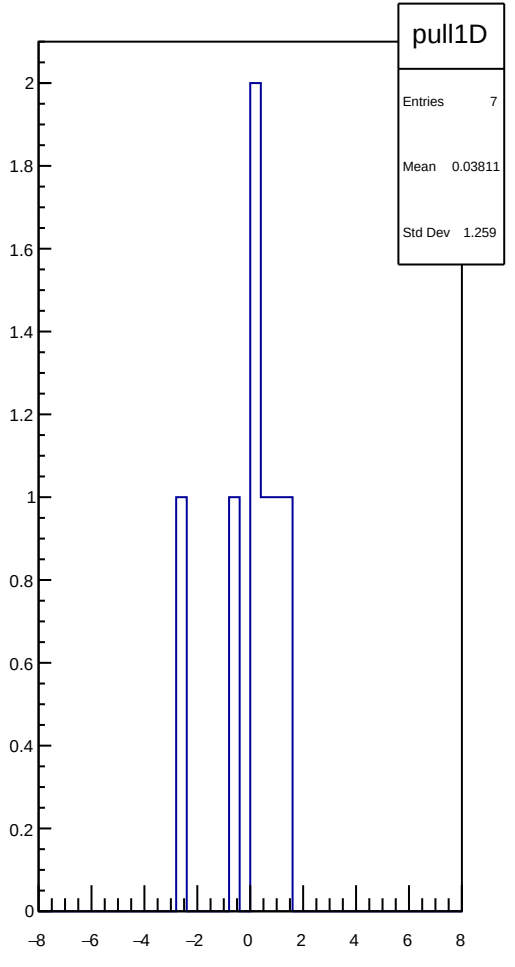

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 6.868 / 6
p0 2536 ± 6.758
2580
2560
2540
2520
2500
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

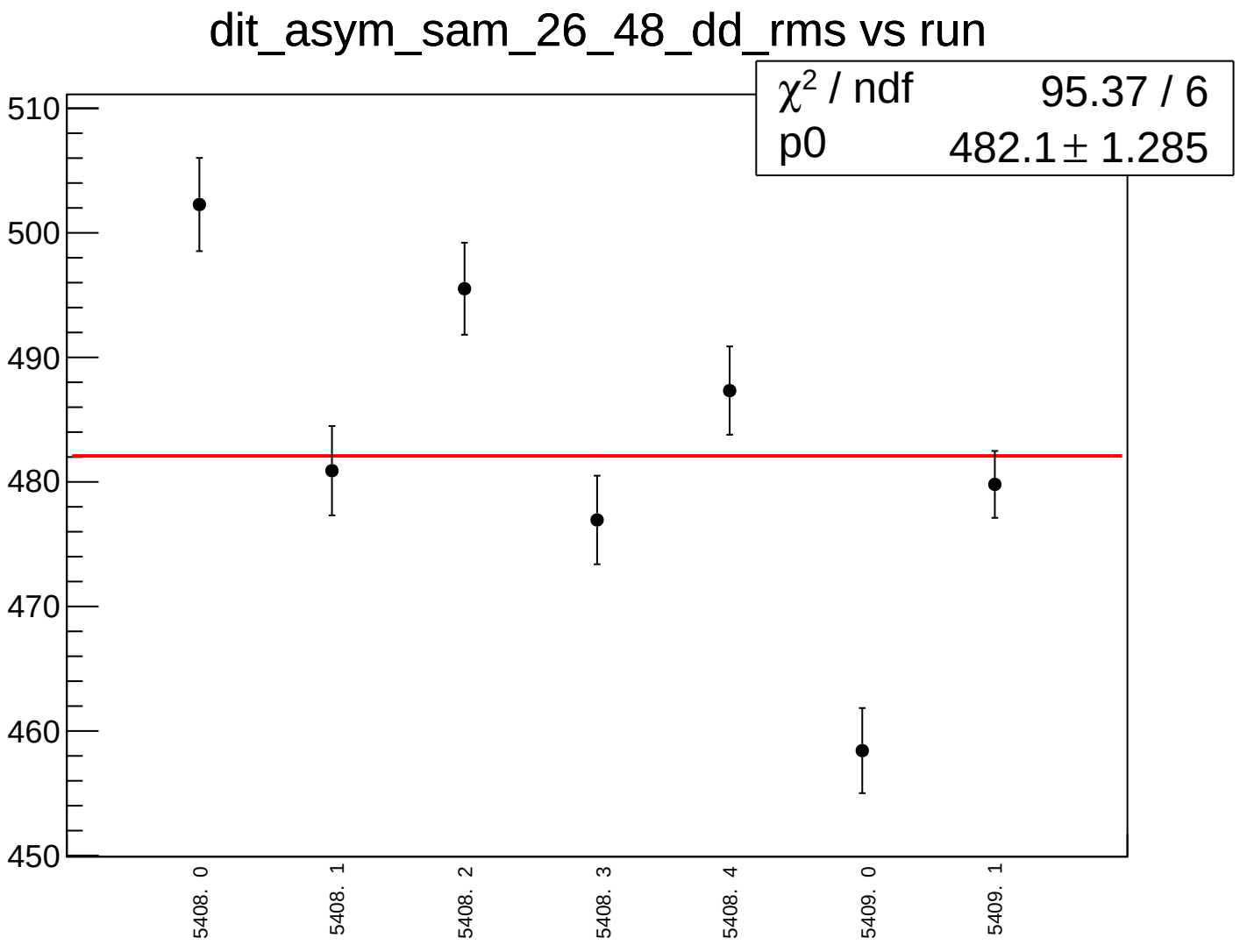

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 11.33 / 6
p0 1.243e+04 ± 8131
100
80
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.294
Std Dev 10.12
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

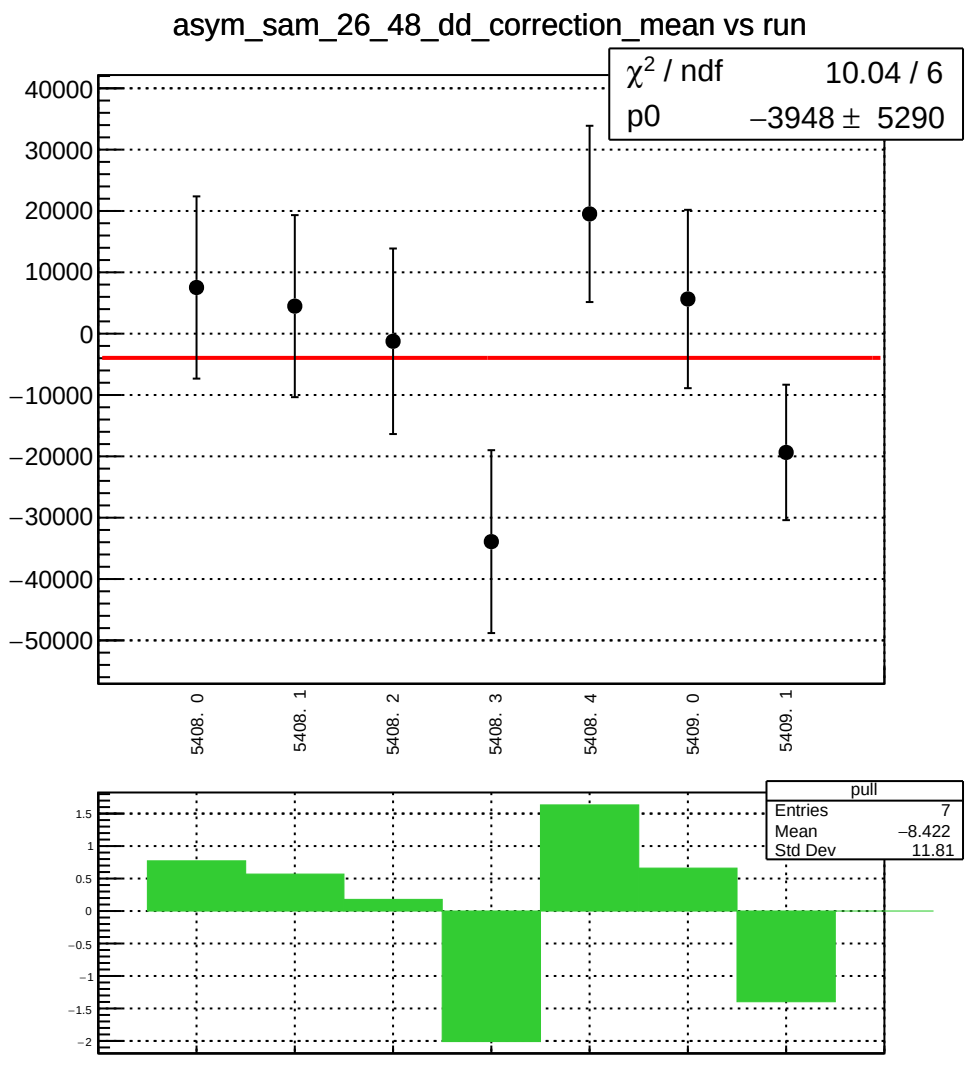

pull1D
Entries 7
Mean −0.03822
Std Dev 1.271
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

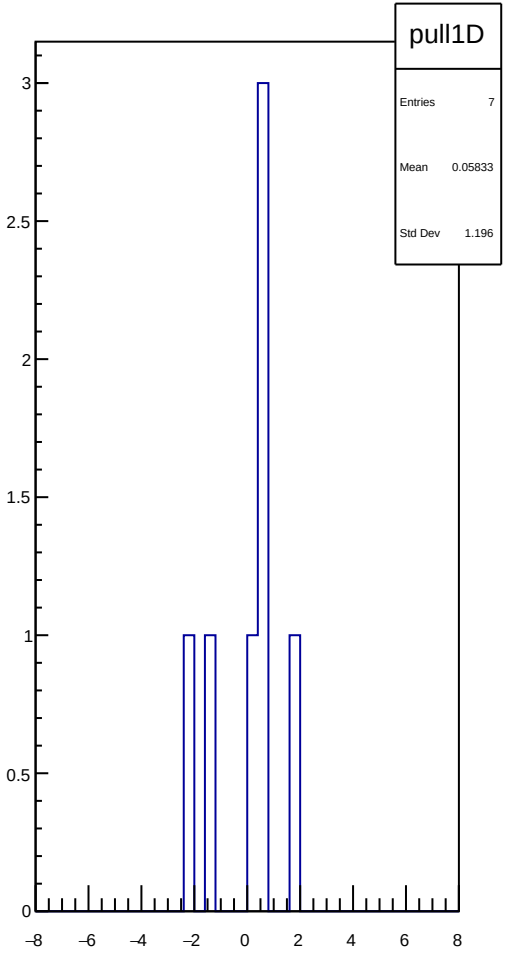

asym_sam_24_68_dd_rms vs run
χ² / ndf 26.1 / 6
p0 2157 ± 5.749
2220
2200
2180
2160
2140
2120
2100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

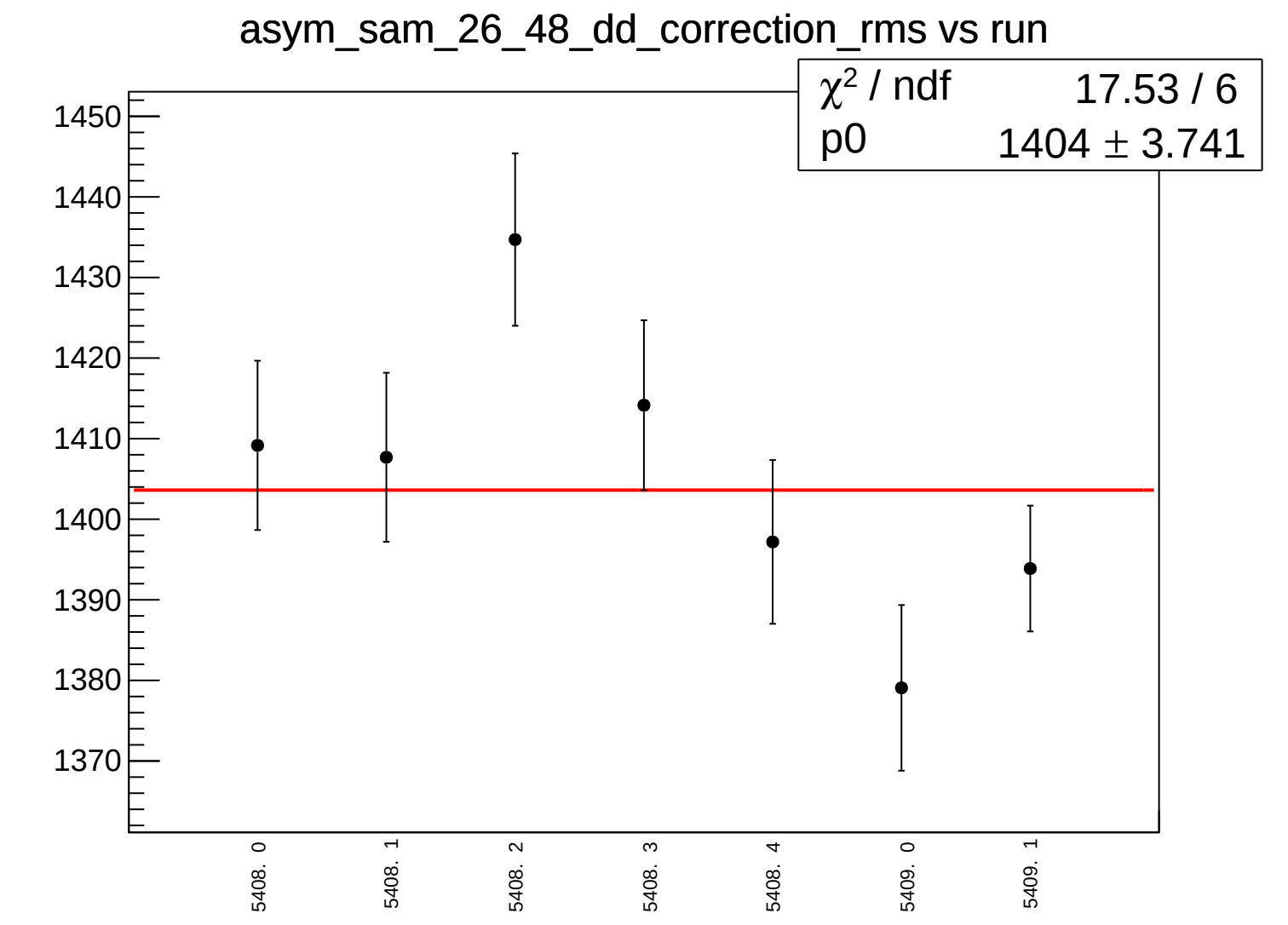

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 11.11 / 6
p0 −1962 ± 1818
10000
5000
0
−5000
−10000
−15000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.834
Std Dev 12.05
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

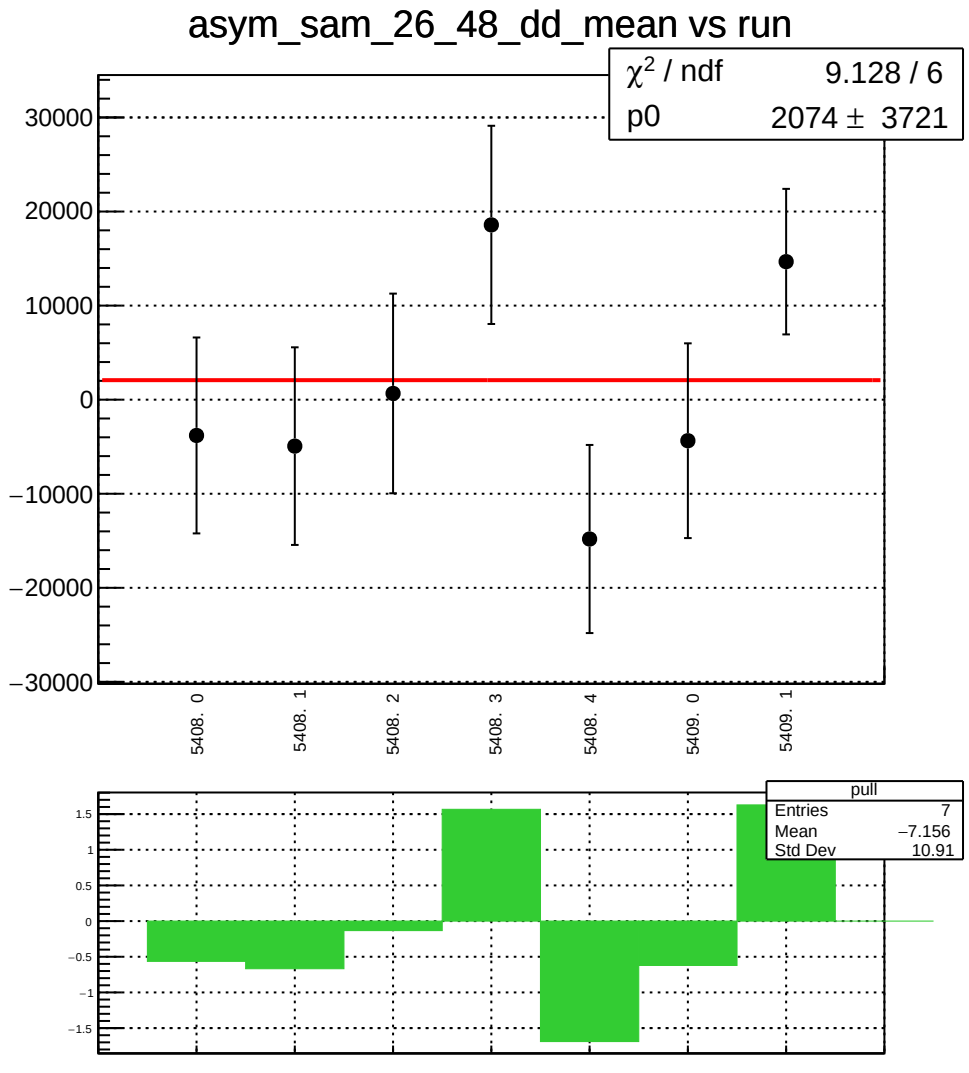

pull1D
Entries 7
Mean 0.03811
Std Dev 1.259
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

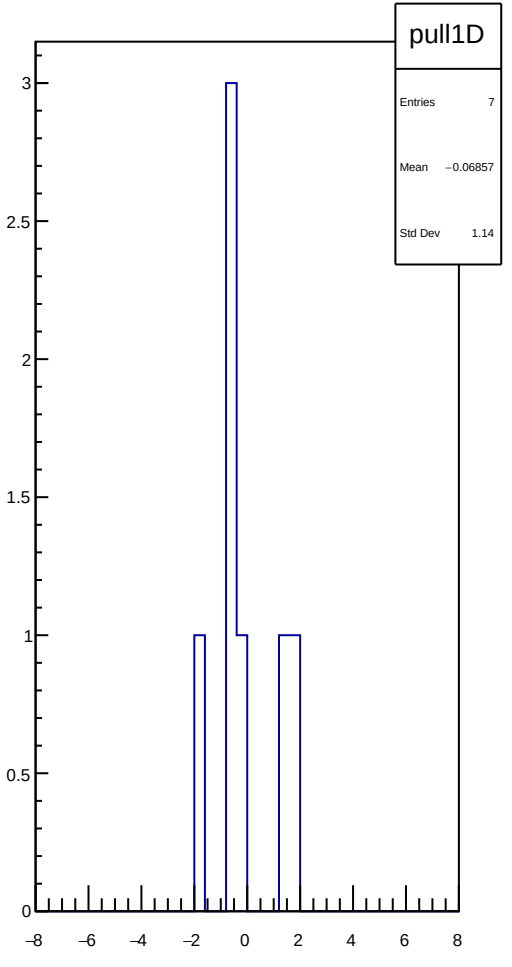

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 95.37 / 6
p0 482.1 ± 1.285
510
500
490
480
470
460
450
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

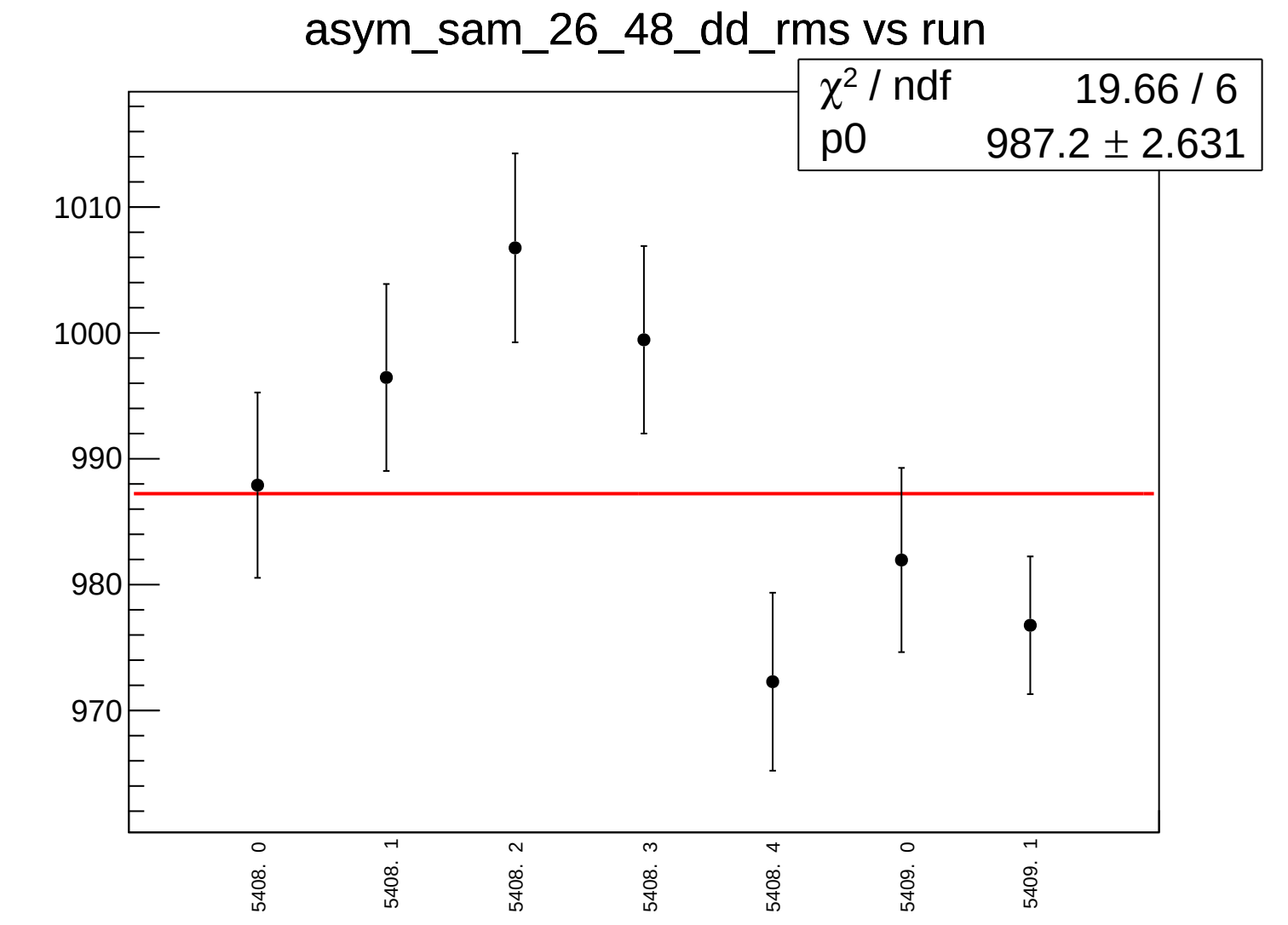

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 10.04 / 6
p0 −3948 ± 5290
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −8.422
Std Dev 11.81
1.5
1
0.5
0
−0.5
−1
−1.5
−2

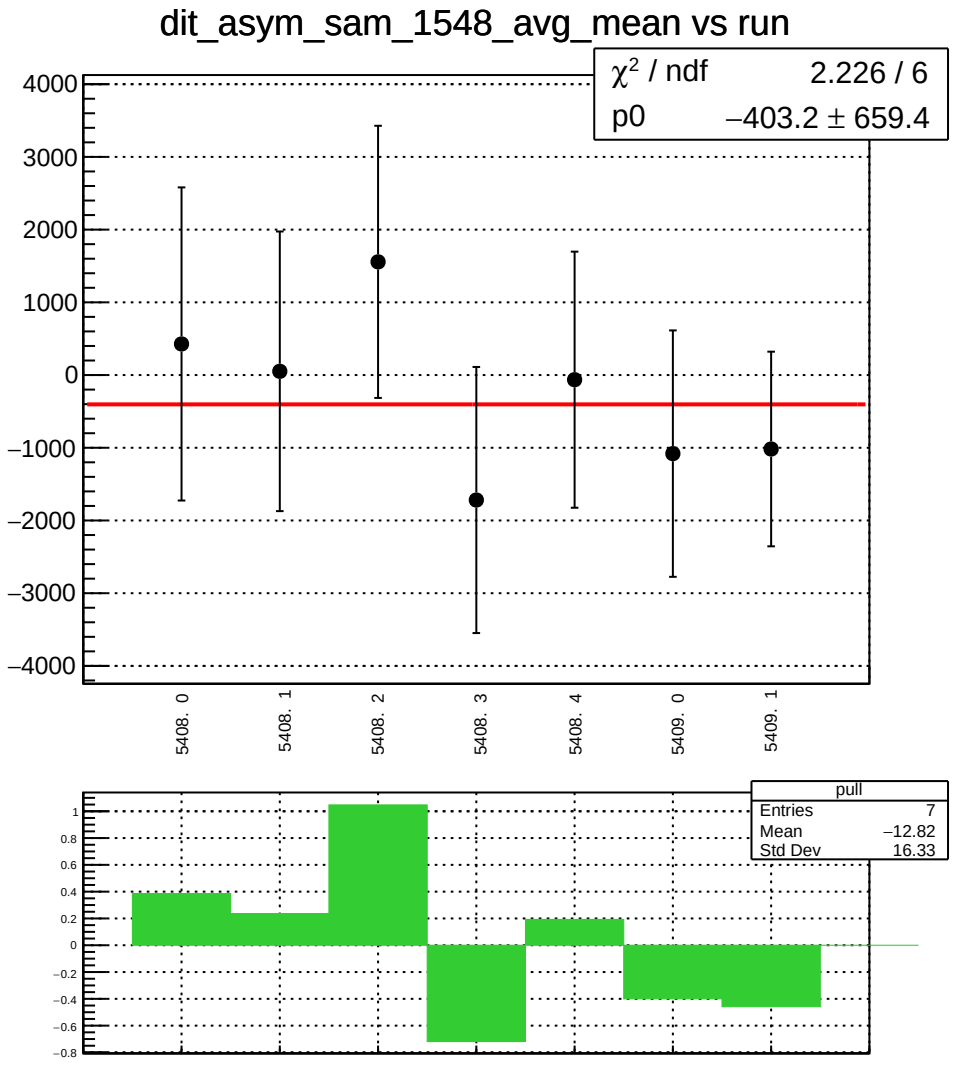

pull1D
Entries 7
Mean 0.05833
Std Dev 1.196
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

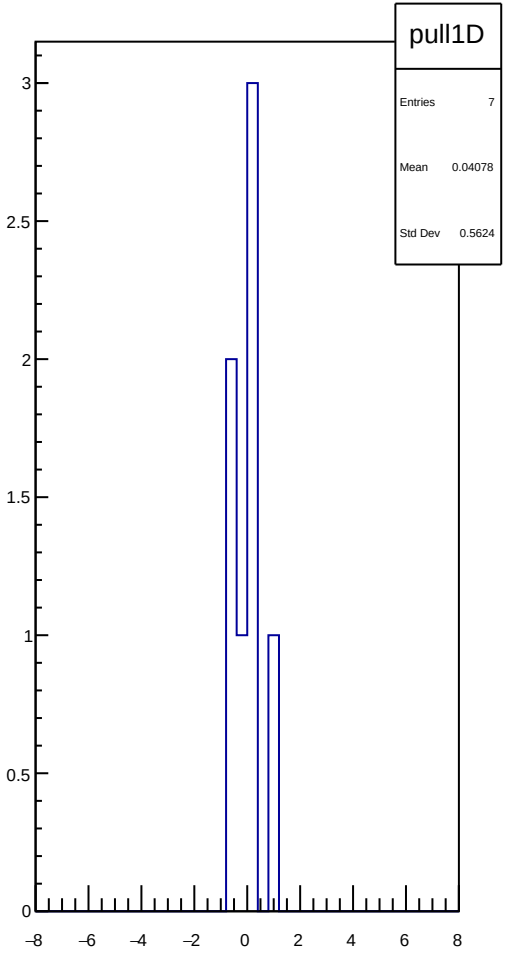

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 17.53 / 6
p0 1404 ± 3.741
1450
1440
1430
1420
1410
1400
1390
1380
1370
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

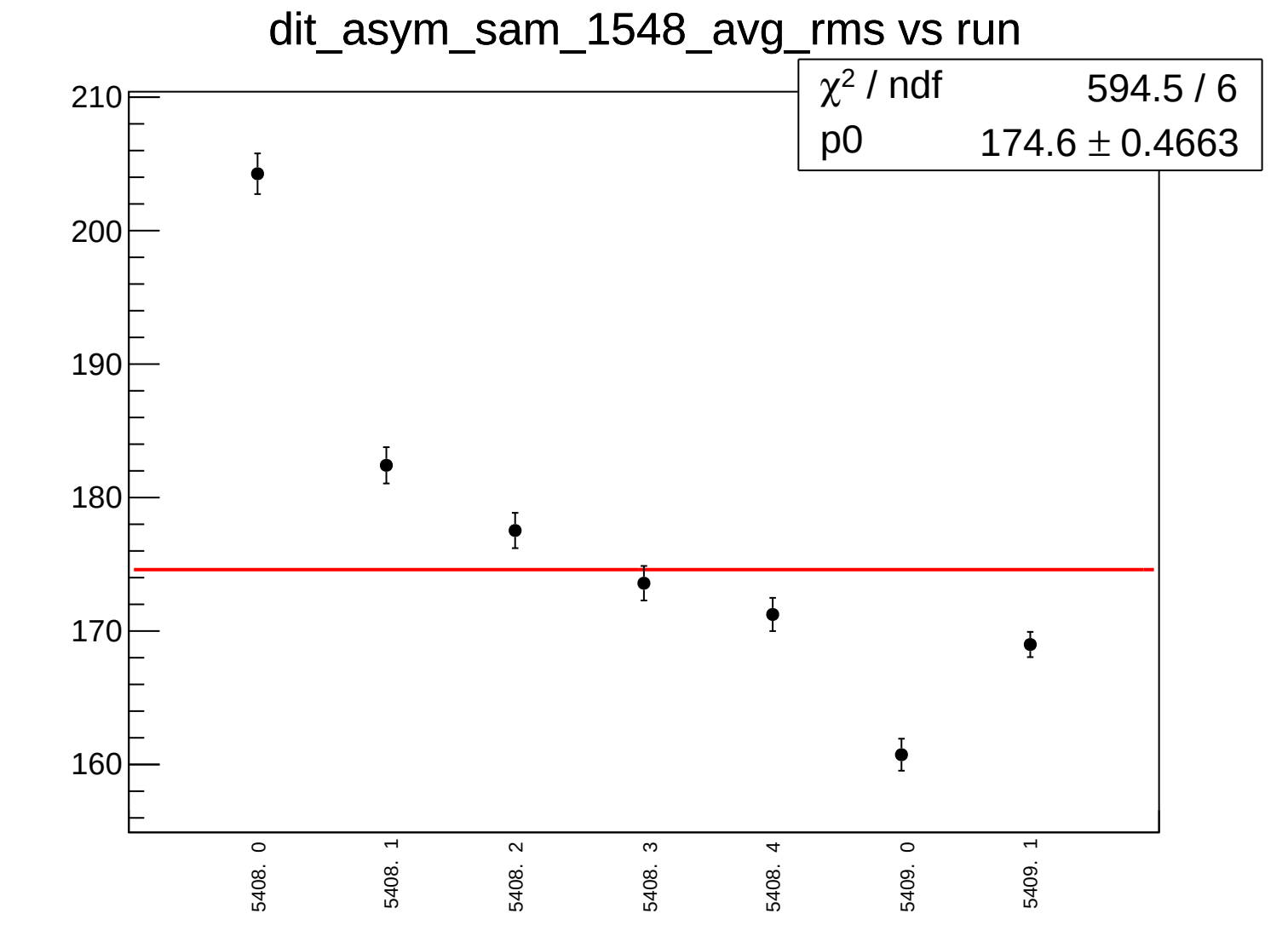

asym_sam_26_48_dd_mean vs run
χ² / ndf 9.128 / 6
p0 2074 ± 3721
30000
20000
10000
0
−10000
−20000
−30000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.156
Std Dev 10.91
1.5
1
0.5
0
−0.5
−1
−1.5

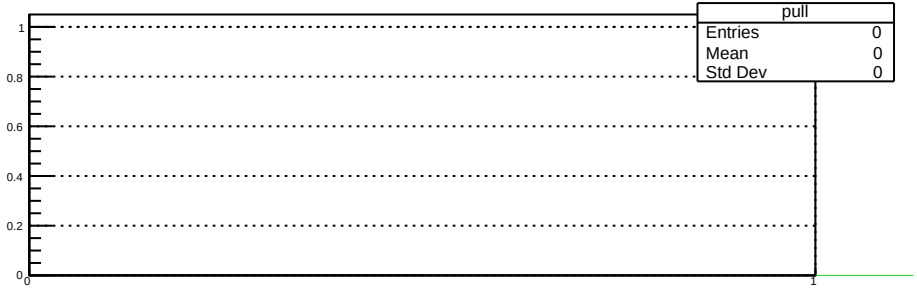

pull1D
Entries 7
Mean −0.06857
Std Dev 1.14
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

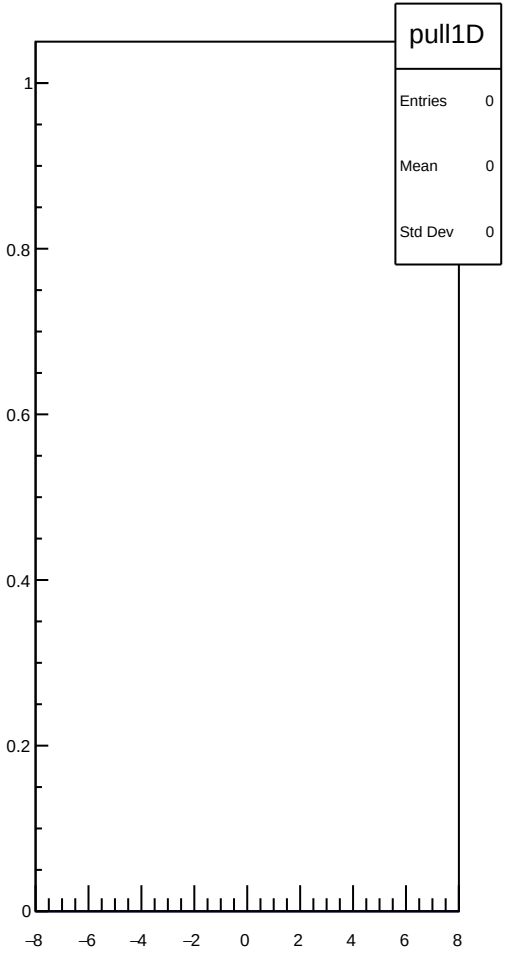

asym_sam_26_48_dd_rms vs run
χ² / ndf 19.66 / 6
p0 987.2 ± 2.631
1010
1000
990
980
970
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

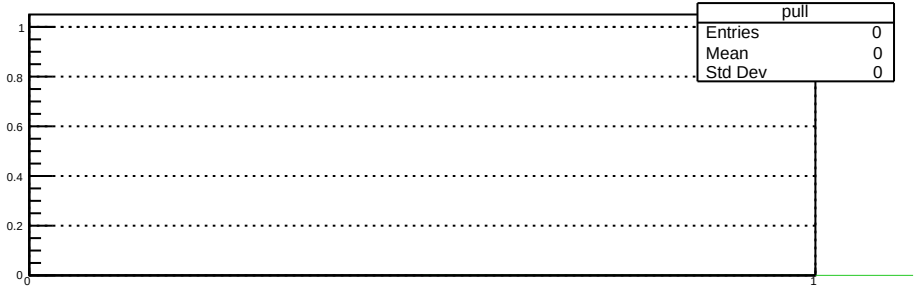

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 2.226 / 6
p0 −403.2 ± 659.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −12.82
Std Dev 16.33
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

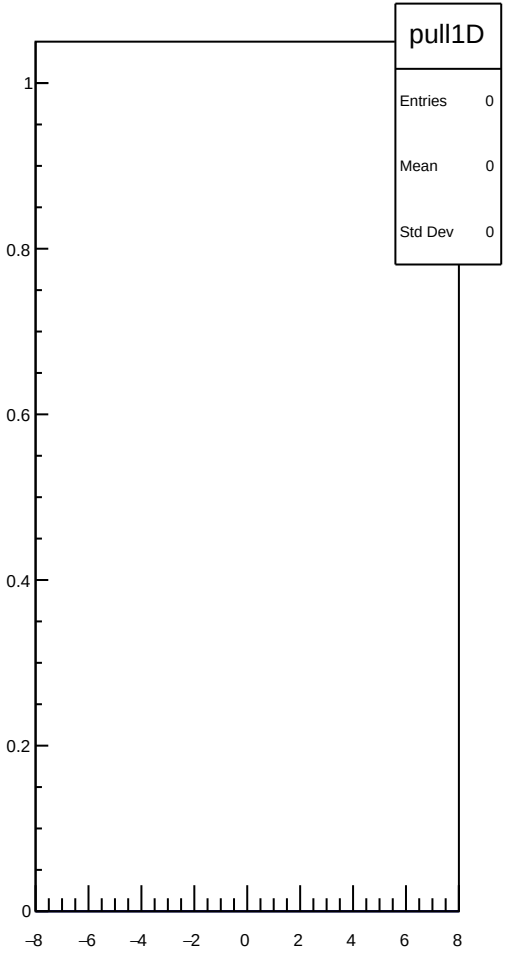

pull1D
Entries 7
Mean 0.04078
Std Dev 0.5624
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

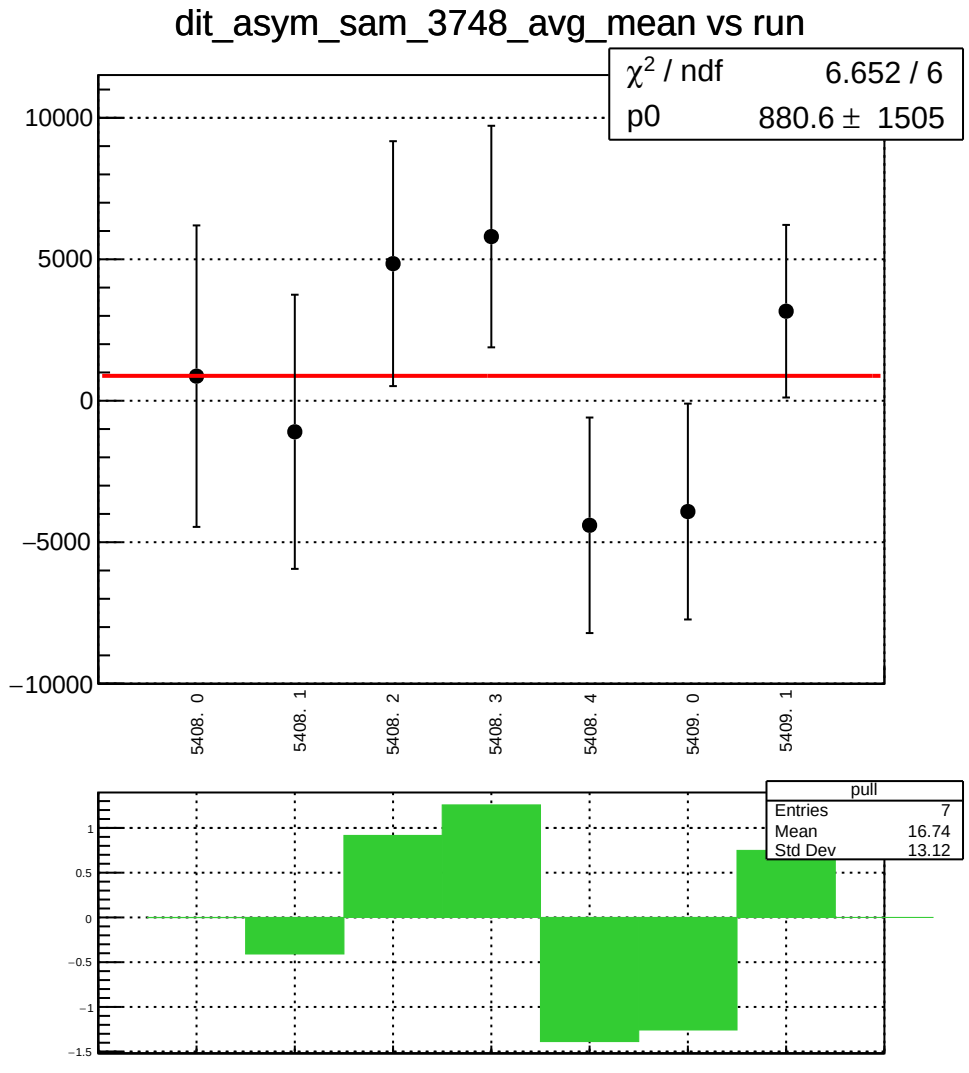

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 594.5 / 6
p0 174.6 ± 0.4663
210
200
190
180
170
160
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

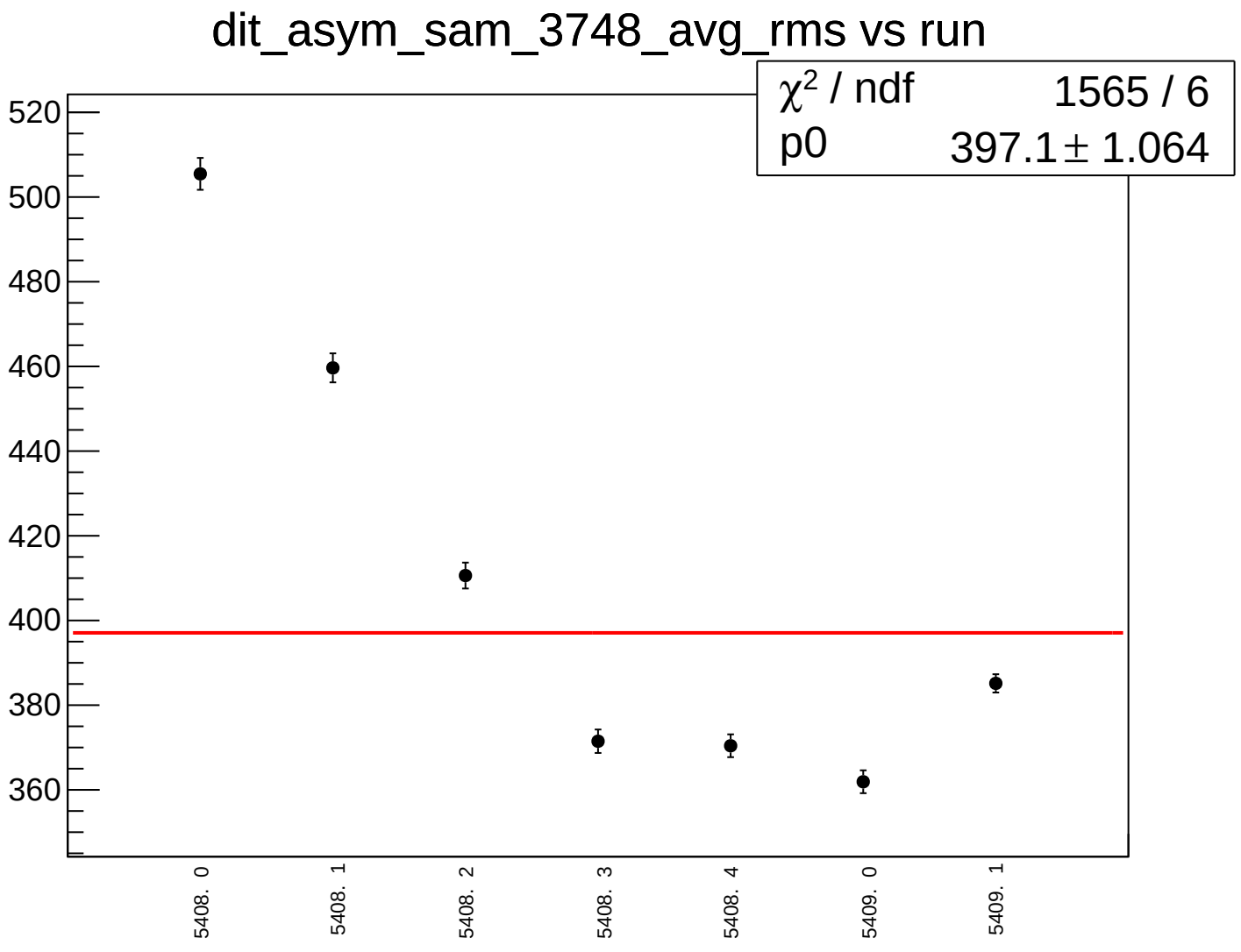

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

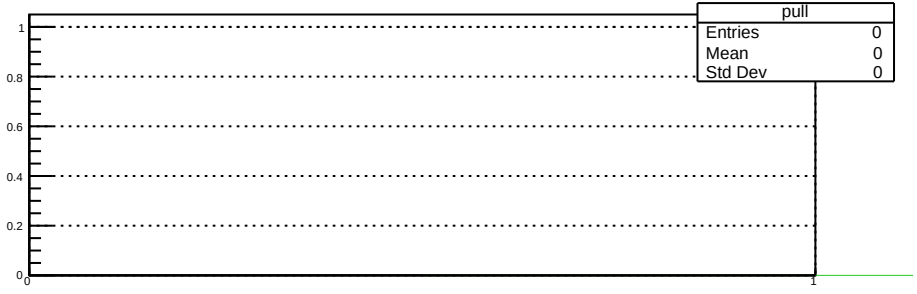

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

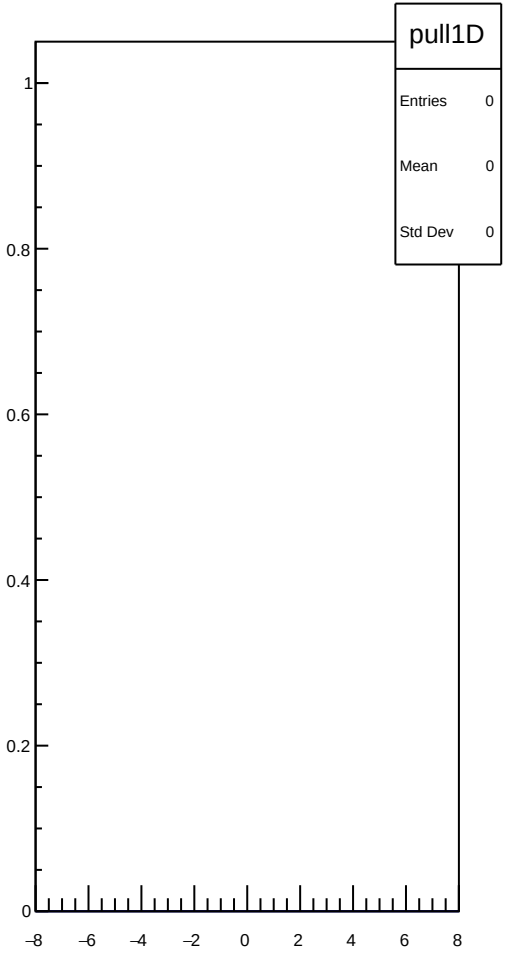

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

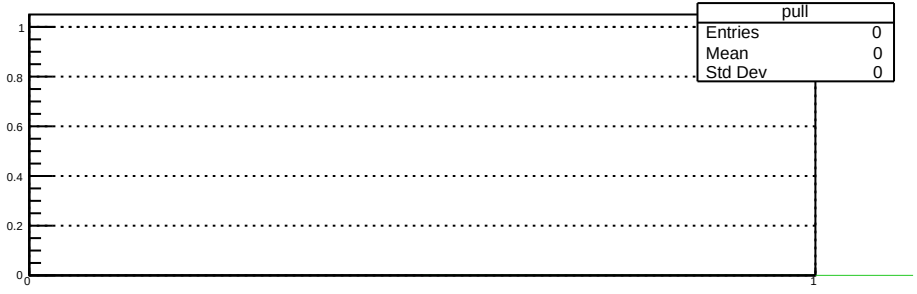

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

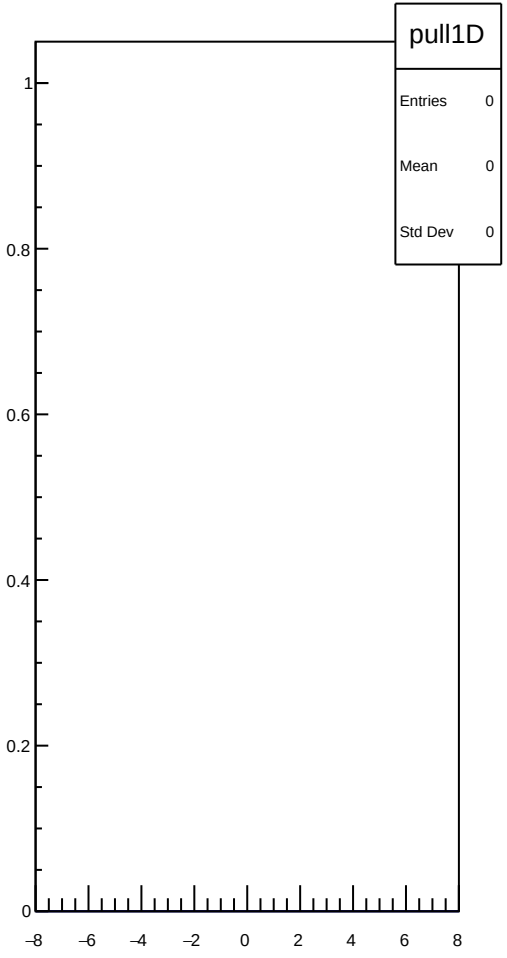

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 6.652 / 6
p0 880.6 ± 1505
10000
5000
0
−5000
−10000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 16.74
Std Dev 13.12
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.01886
Std Dev 0.9746
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

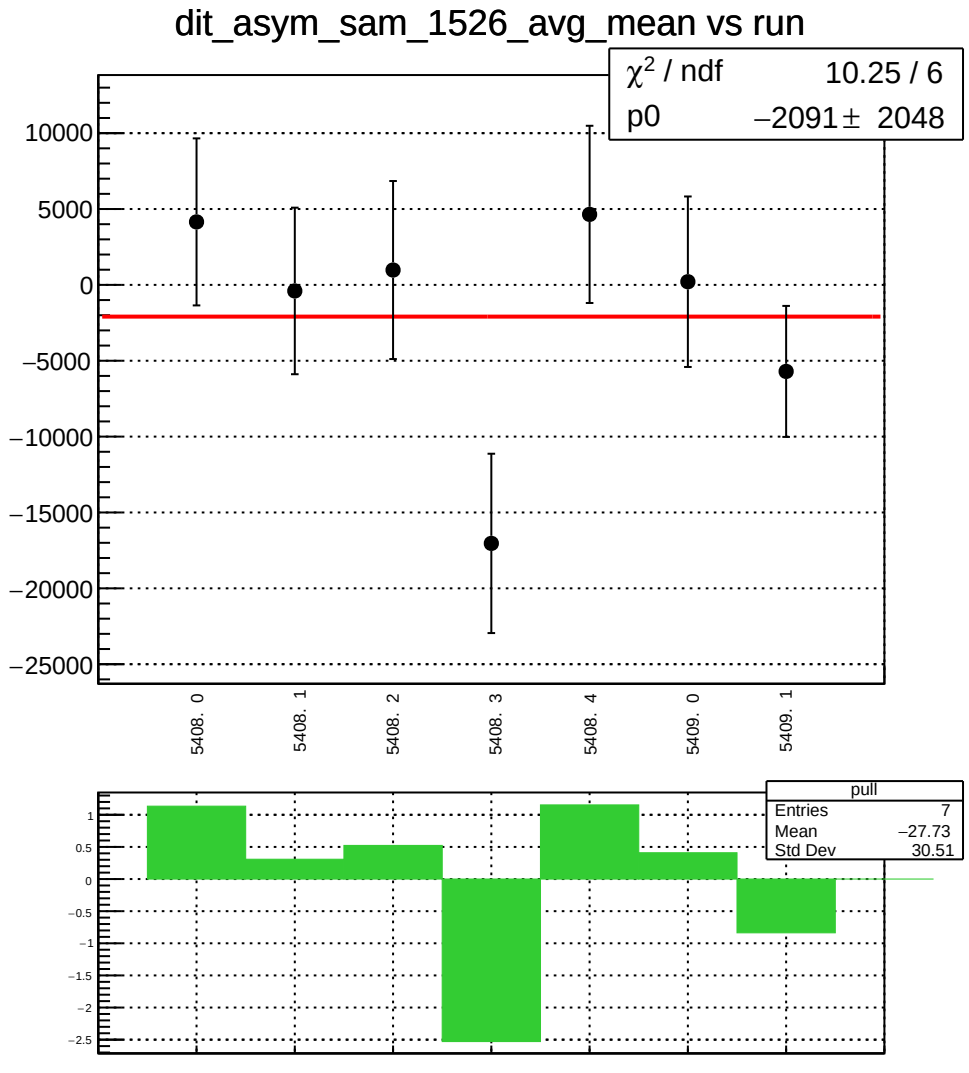

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1565 / 6
p0 397.1 ± 1.064
520
500
480
460
440
420
400
380
360
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

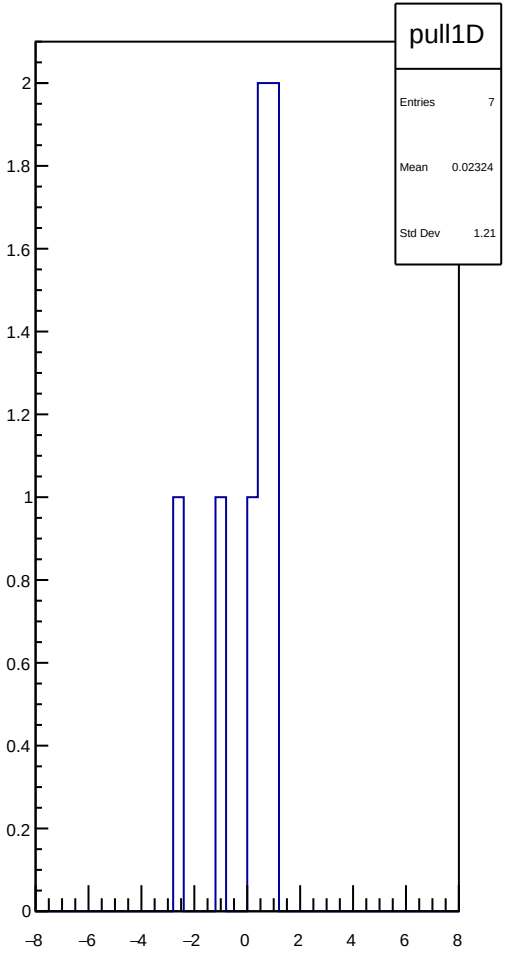

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

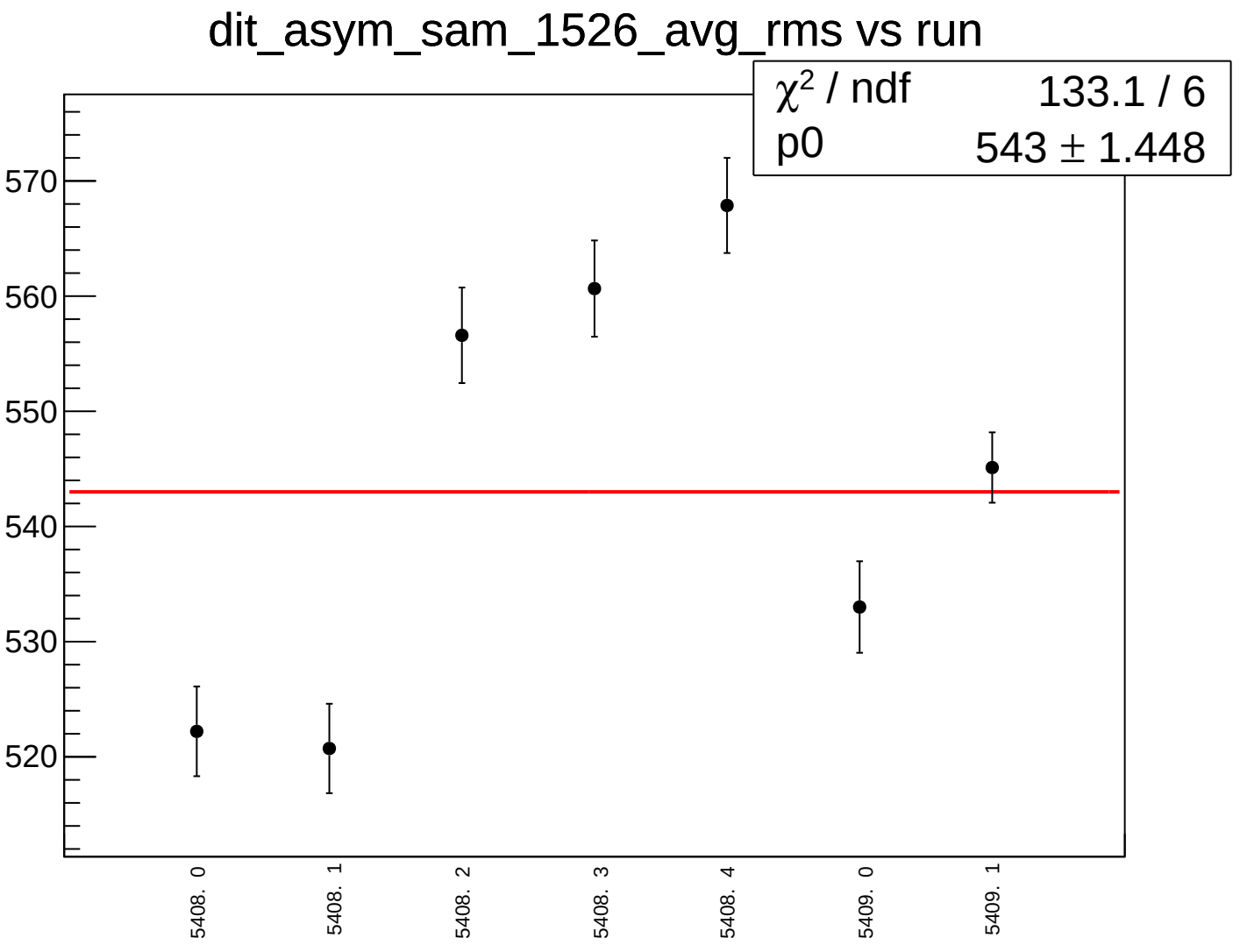

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

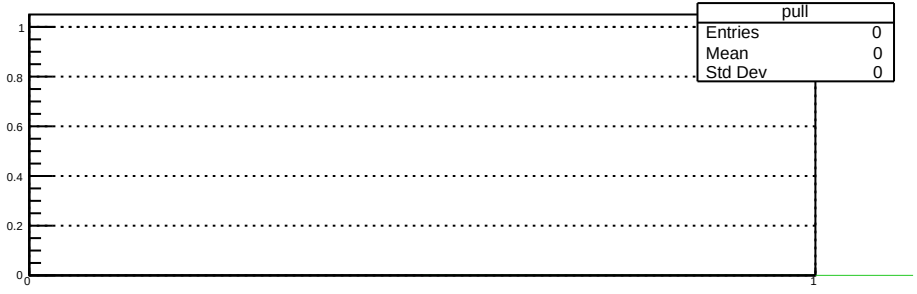

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

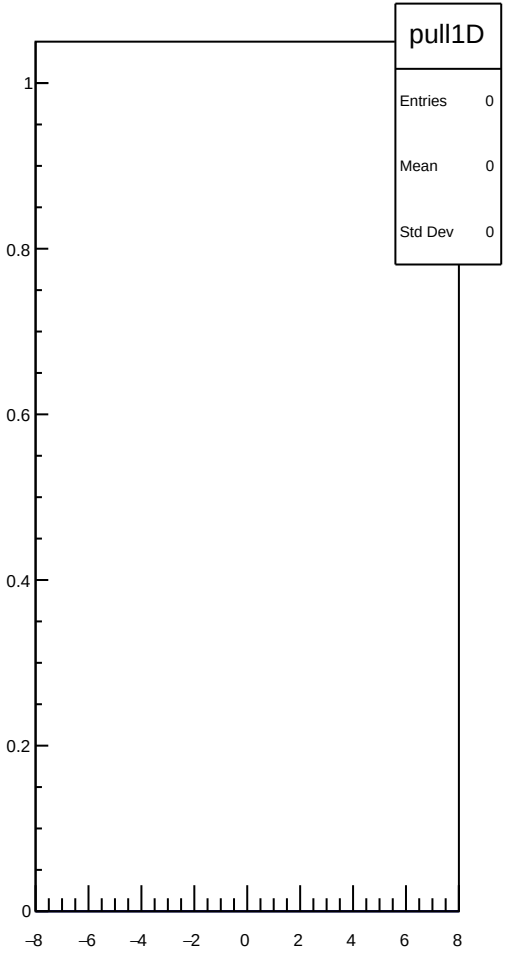

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

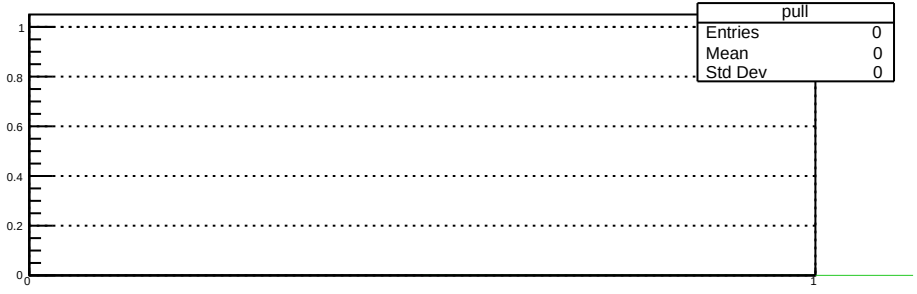

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 10.25 / 6
p0 −2091 ± 2048
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −27.73
Std Dev 30.51
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

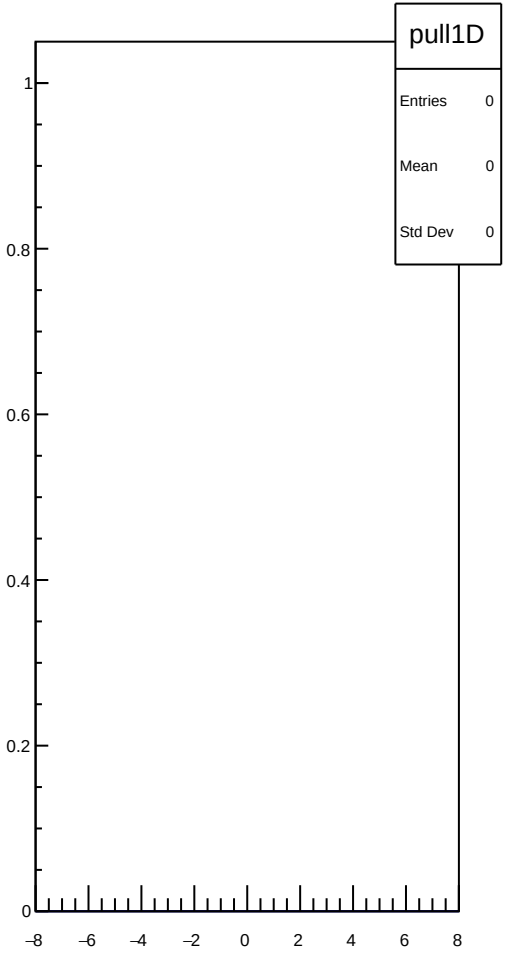

pull1D
Entries 7
Mean 0.02324
Std Dev 1.21
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

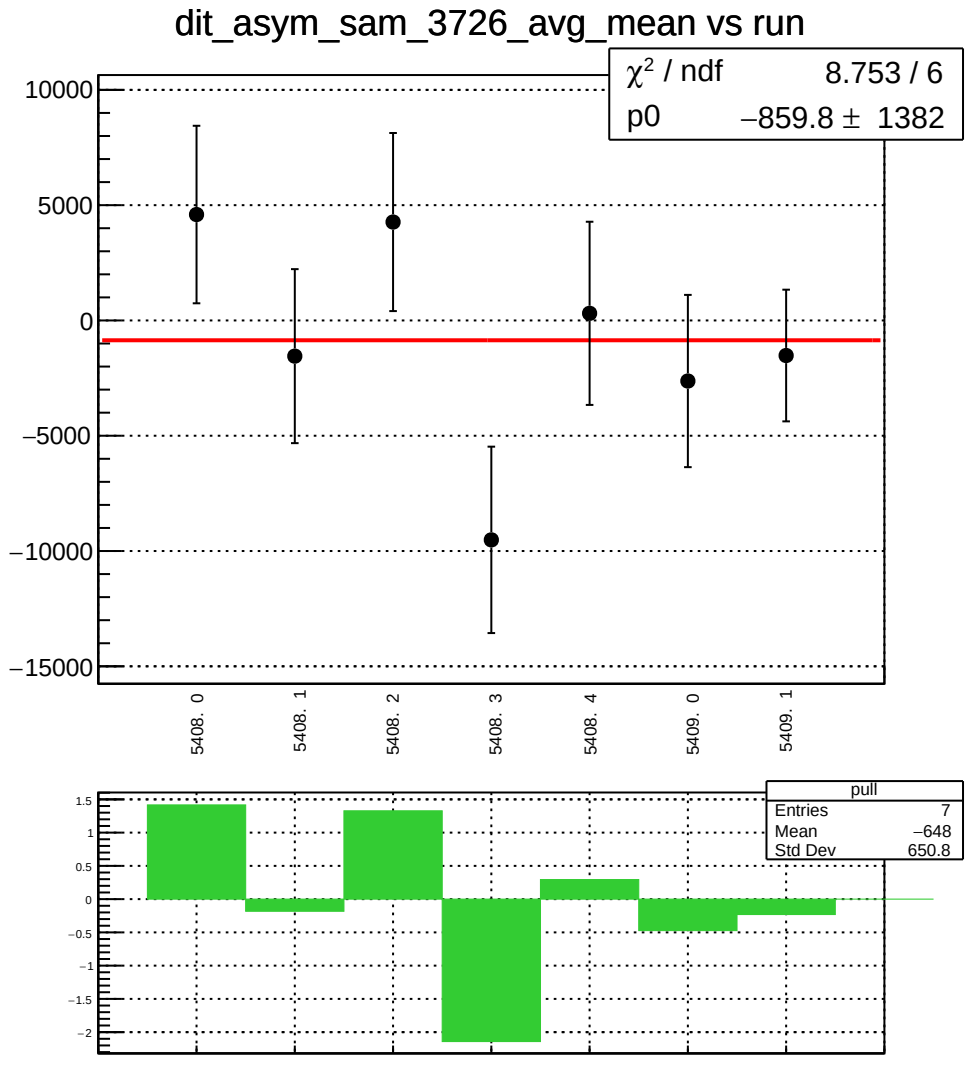

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 133.1 / 6
p0 543 ± 1.448
570
560
550
540
530
520
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

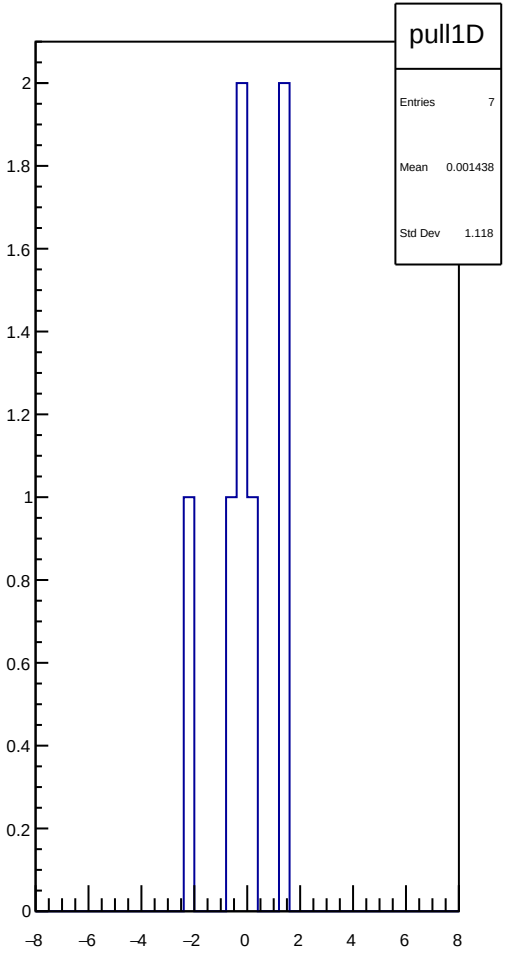

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

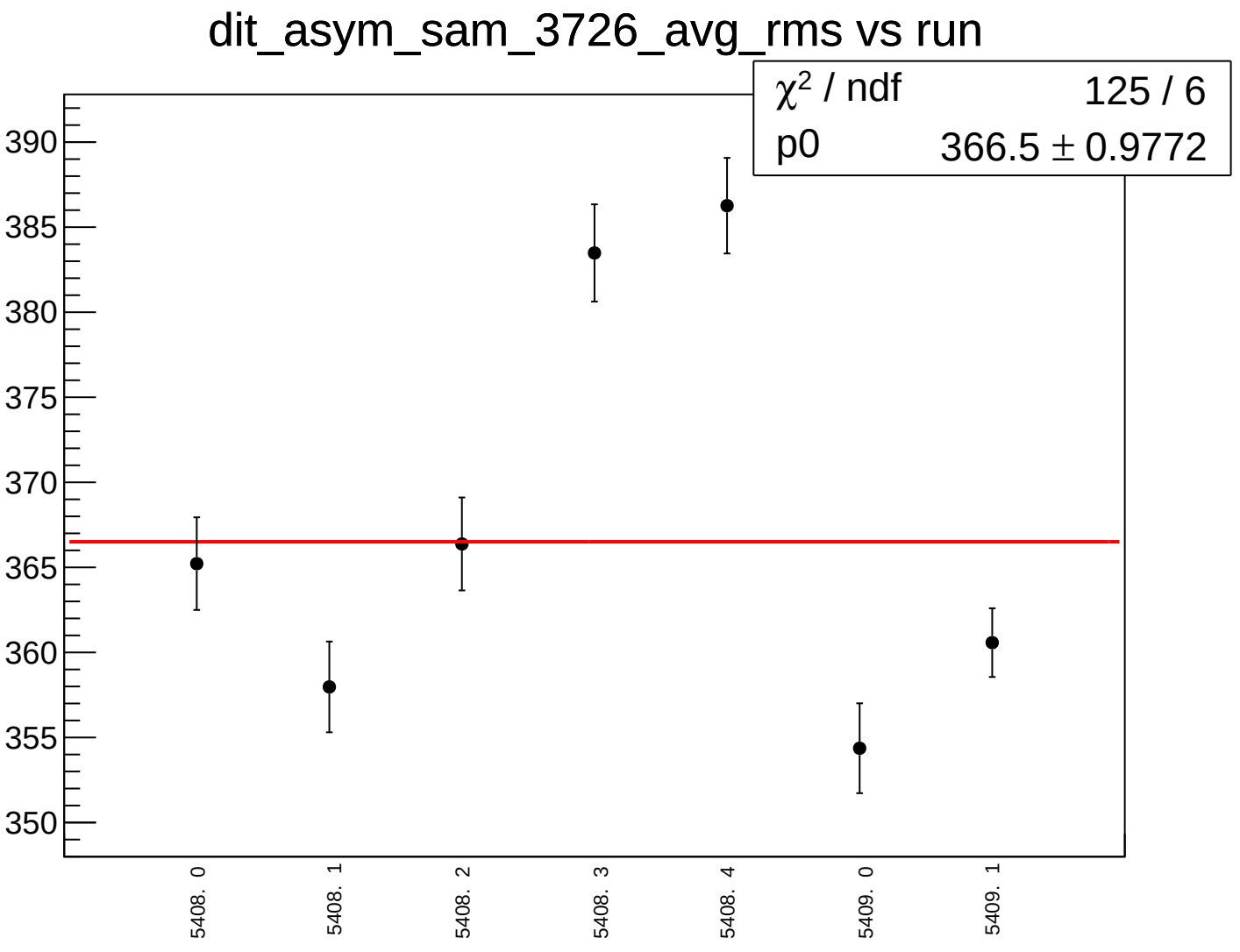

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

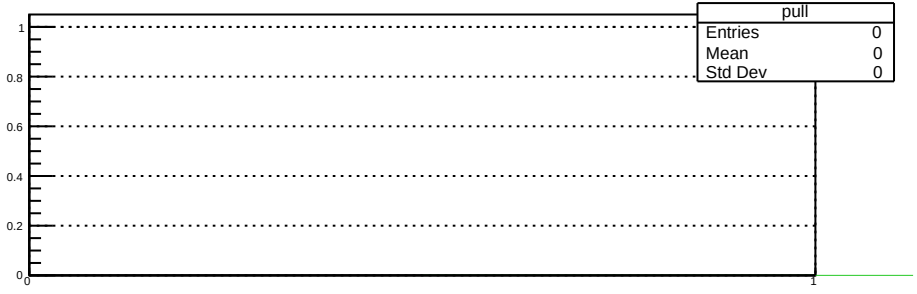

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

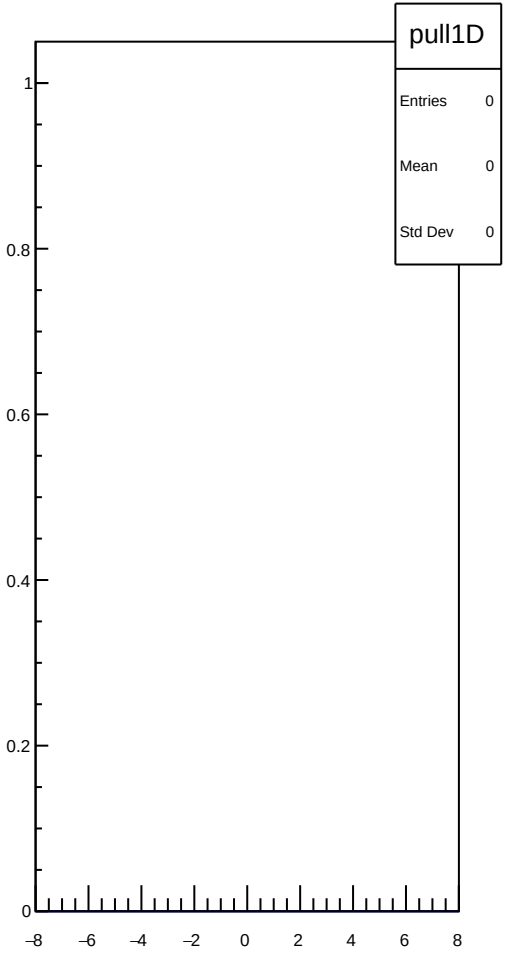

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

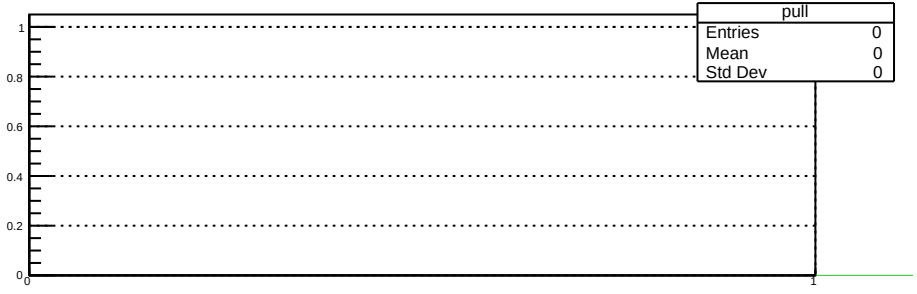

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 8.753 / 6
p0 −859.8 ± 1382
10000
5000
0
−5000
−10000
−15000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −648
Std Dev 650.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

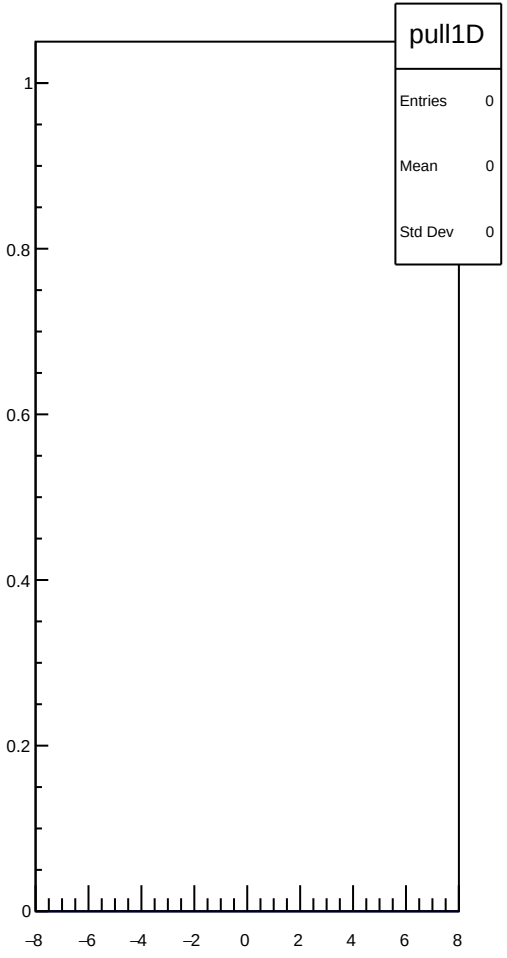

pull1D
Entries 7
Mean 0.001438
Std Dev 1.118
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

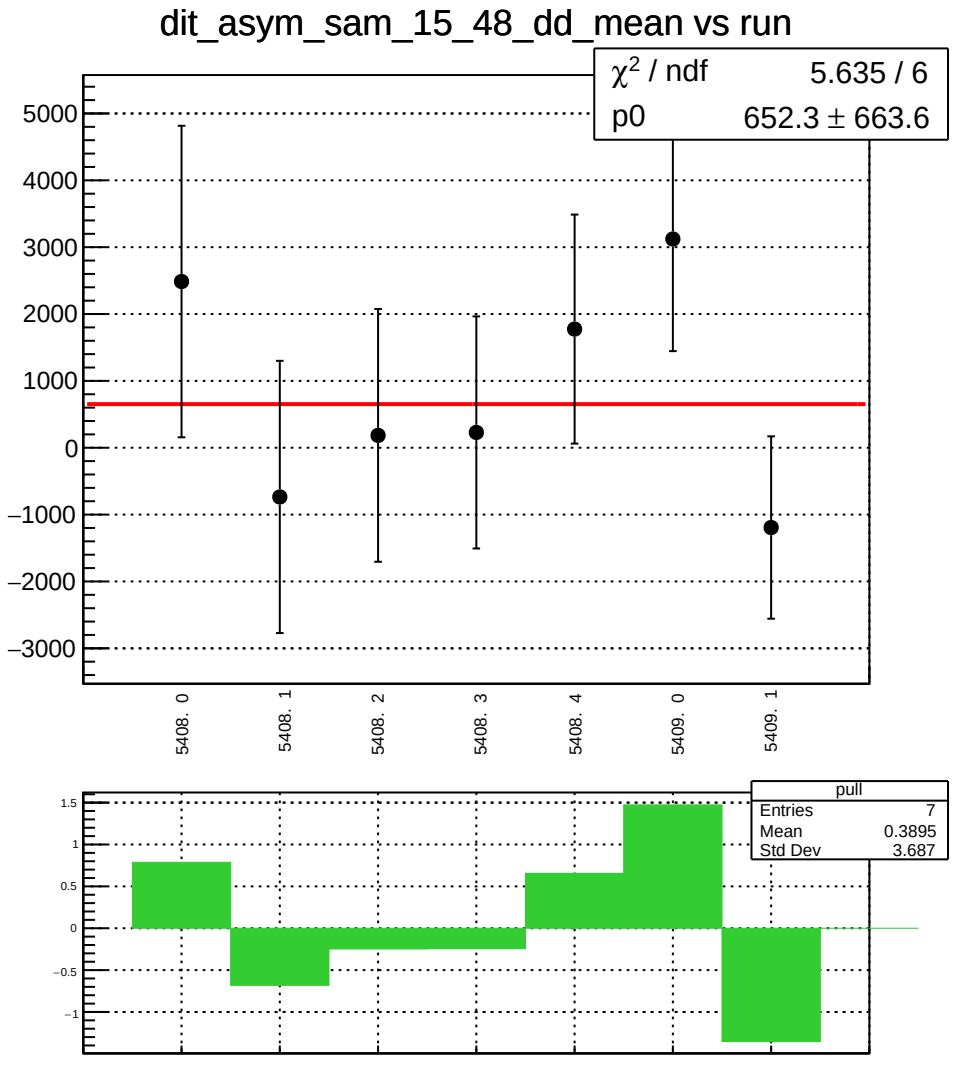

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 125 / 6
p0 366.5 ± 0.9772
390
385
380
375
370
365
360
355
350
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

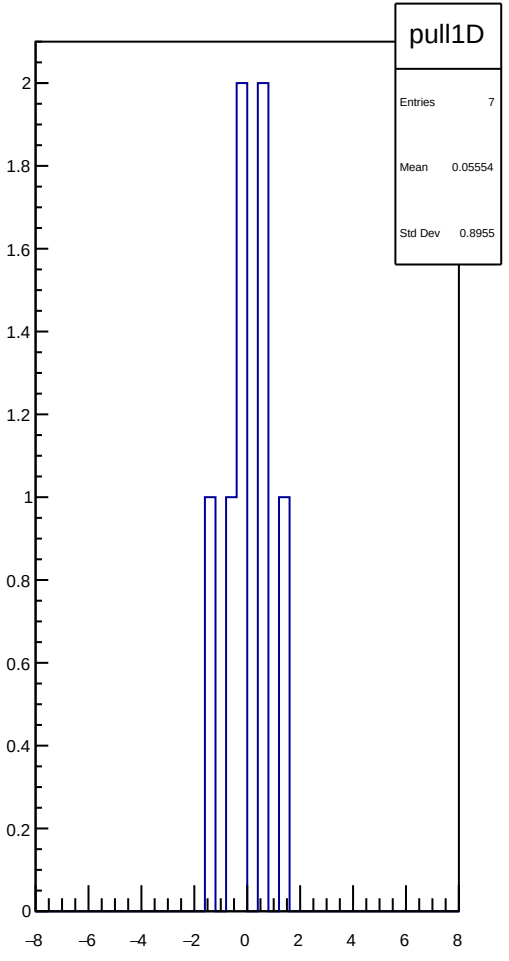

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

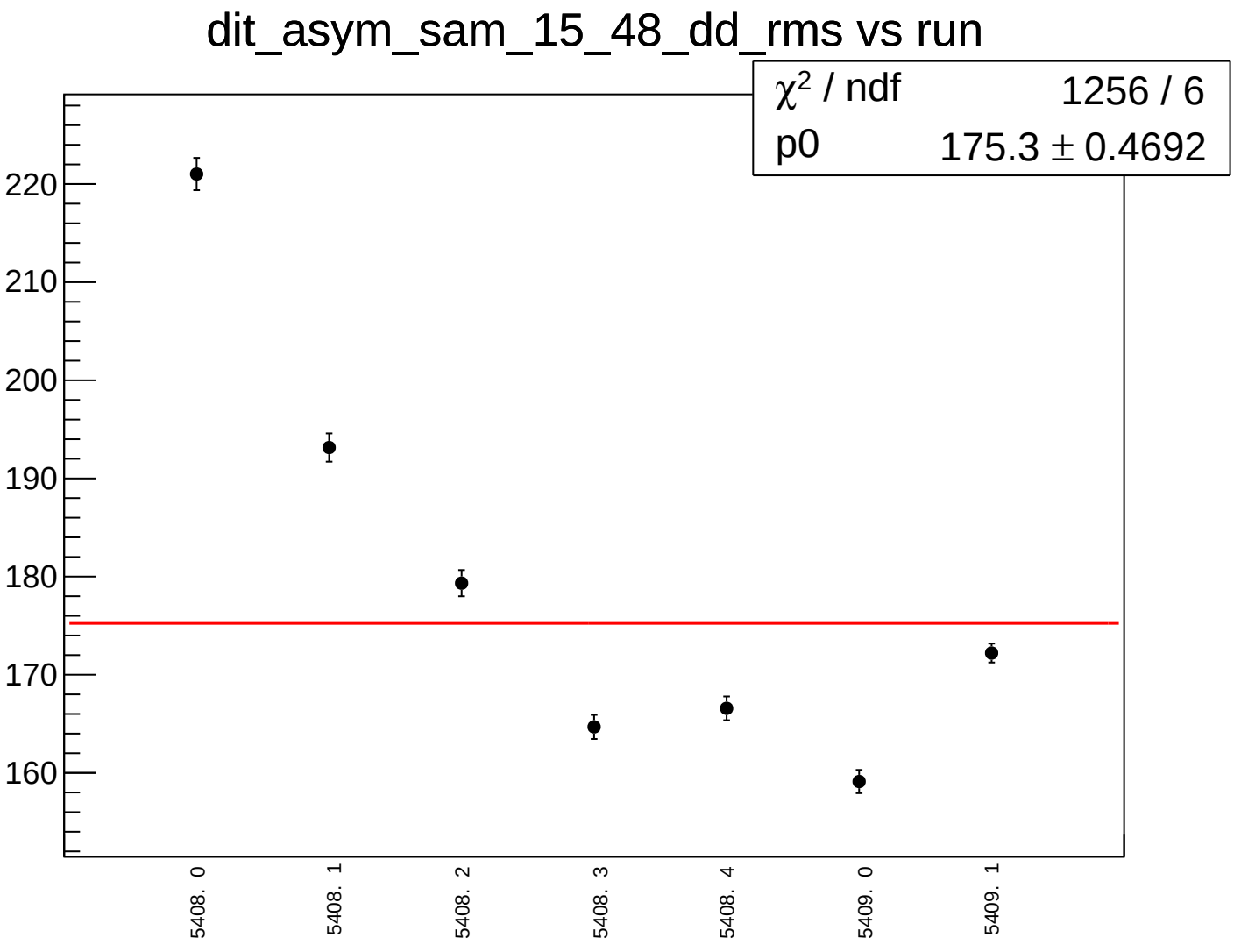

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

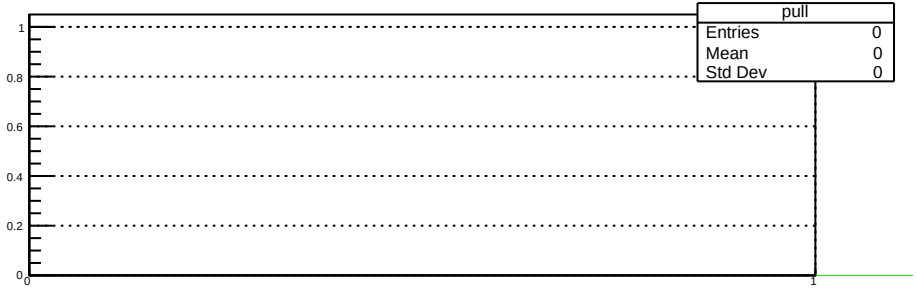

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

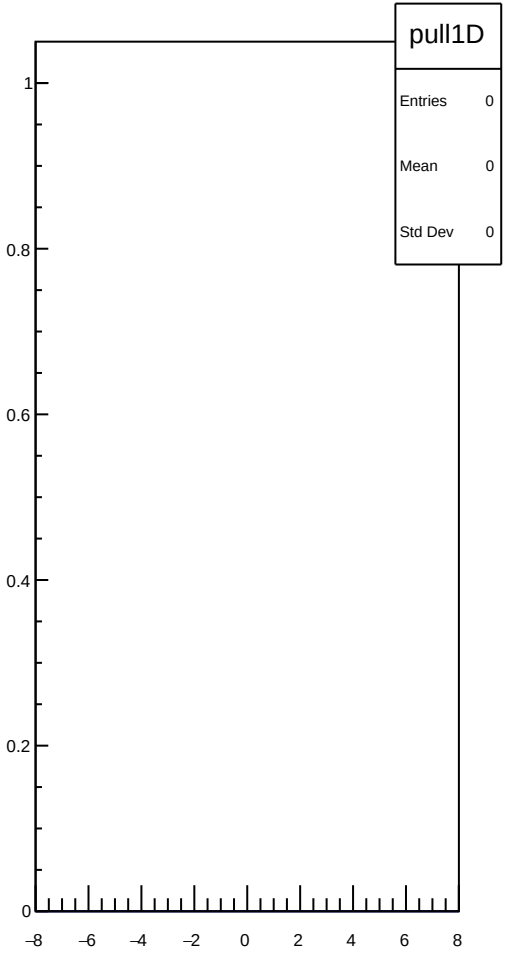

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

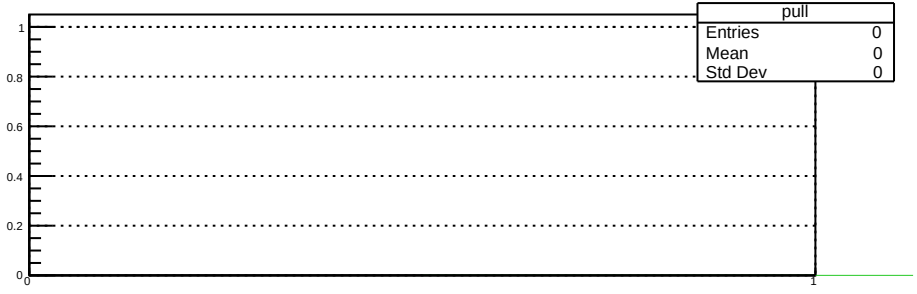

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 5.635 / 6
p0 652.3 ± 663.6
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.3895
Std Dev 3.687
1.5
1
0.5
0
−0.5
−1

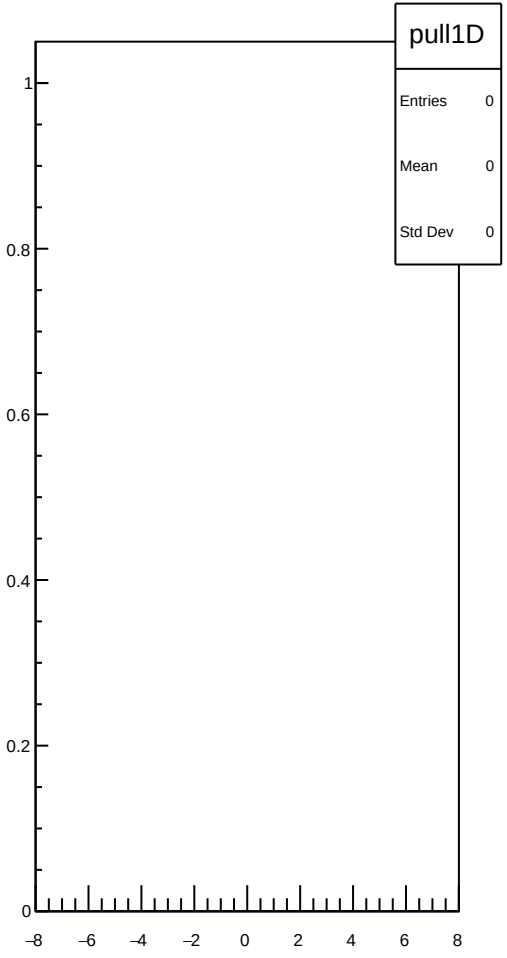

pull1D
Entries 7
Mean 0.05554
Std Dev 0.8955
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

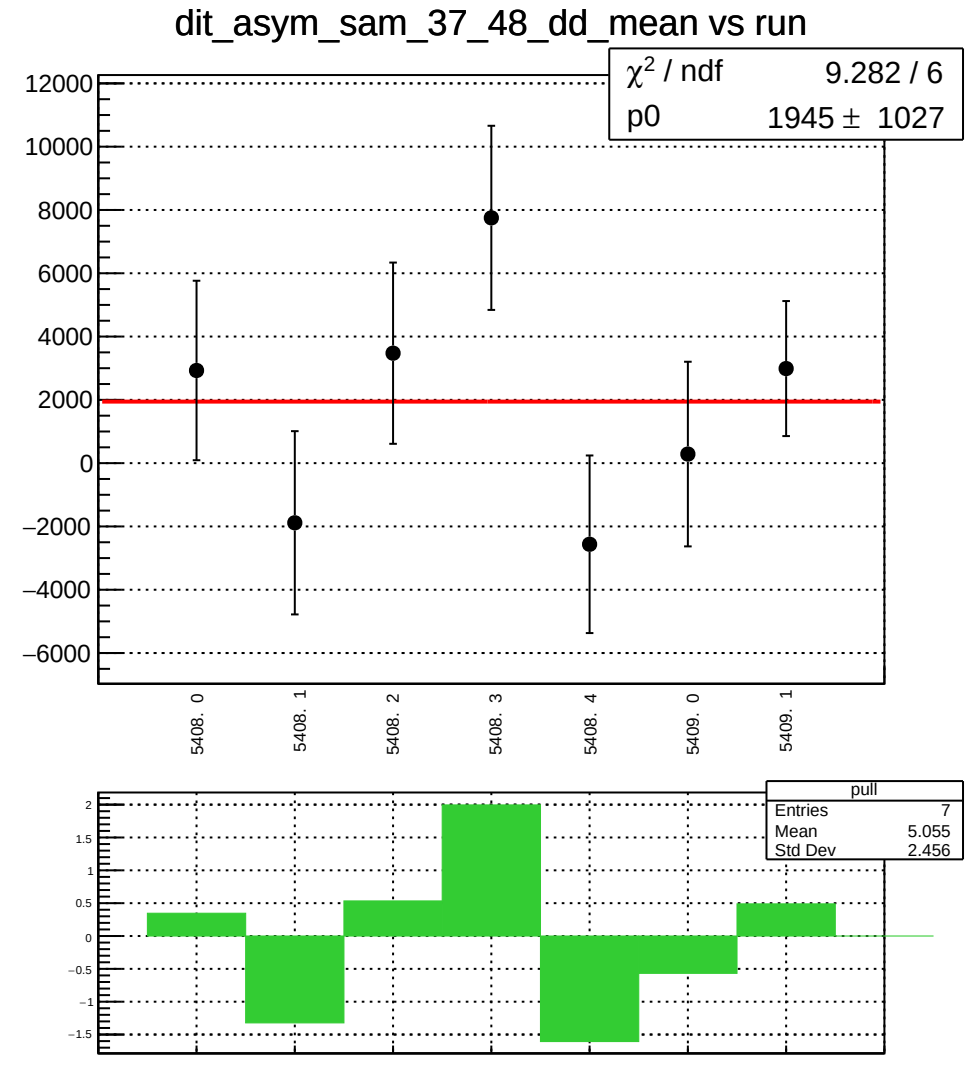

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1256 / 6
p0 175.3 ± 0.4692
220
210
200
190
180
170
160
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

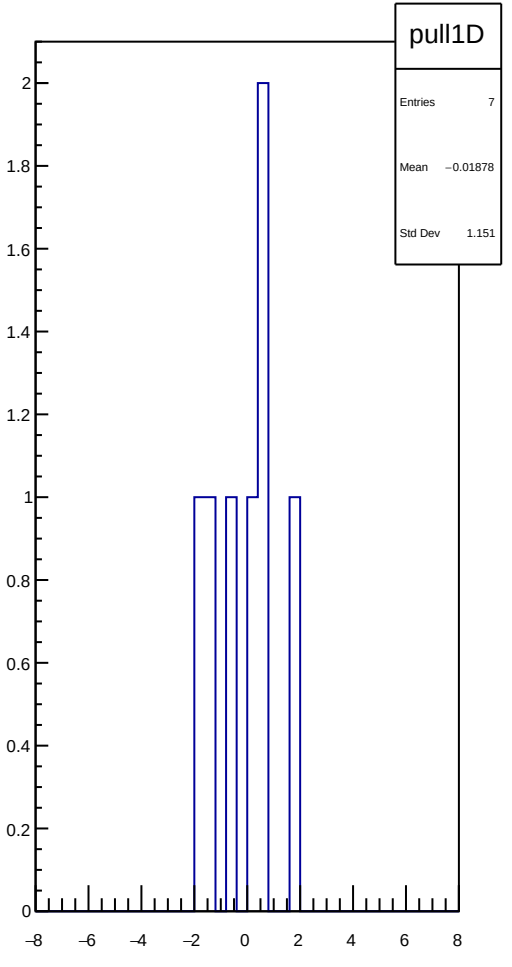

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

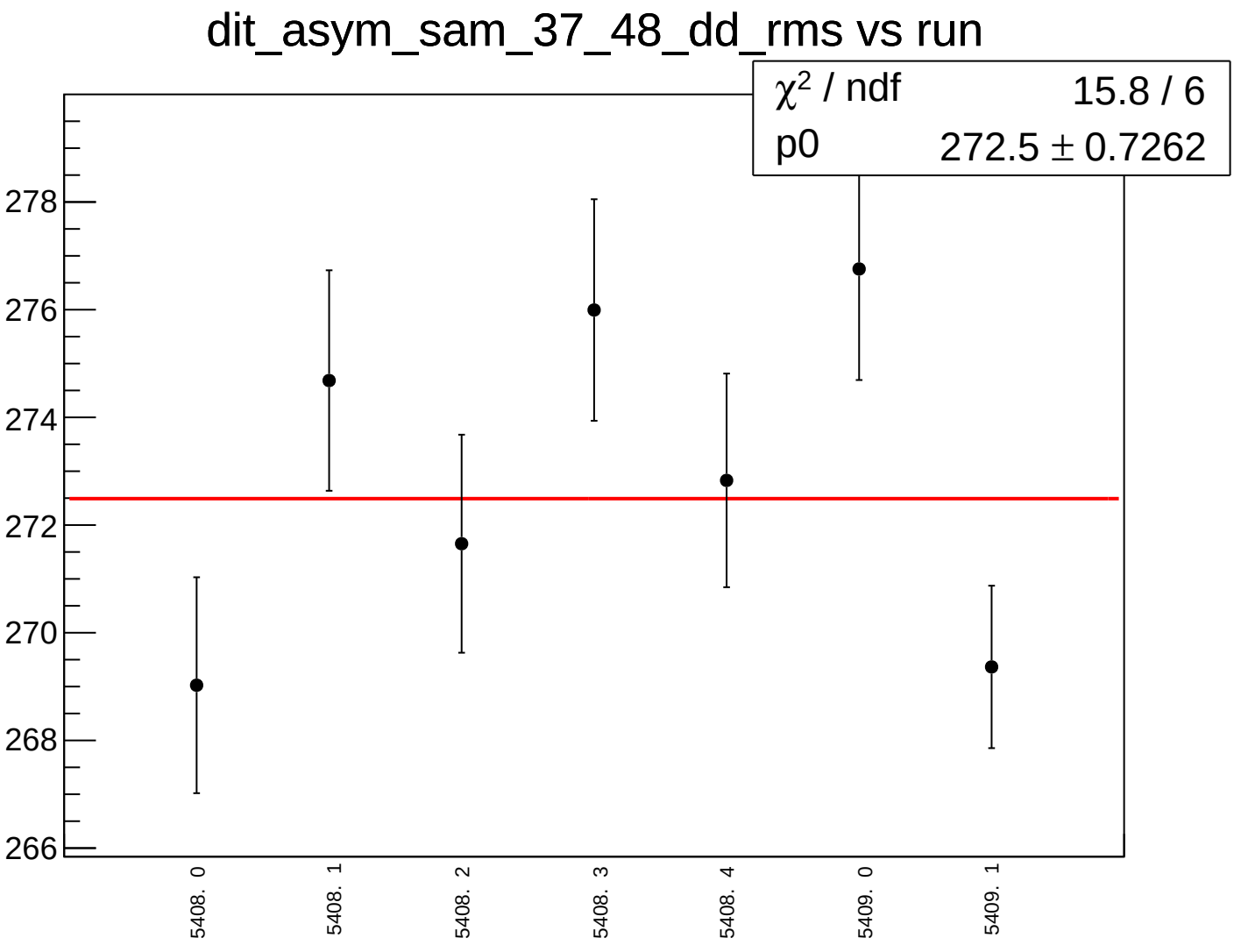

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

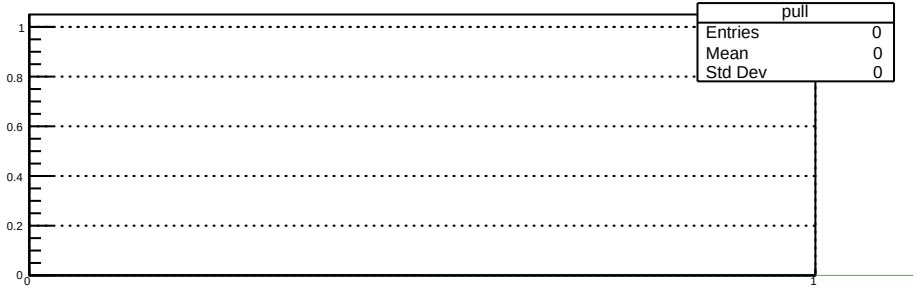

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

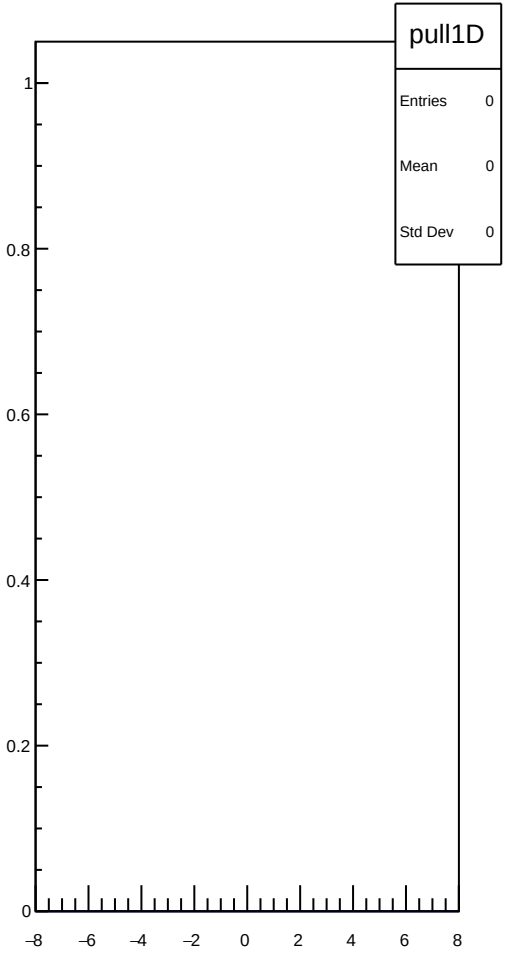

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

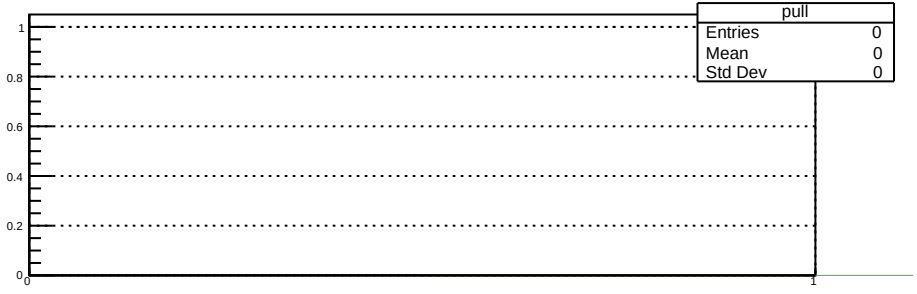

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 9.282 / 6
p0 1945 ± 1027
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.055
Std Dev 2.456
2
1.5
1
0.5
0
−0.5
−1
−1.5

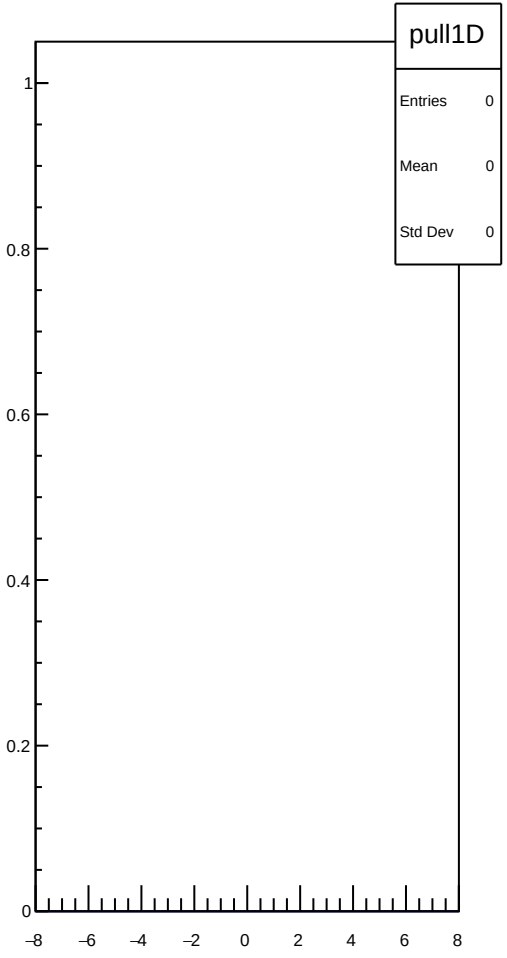

pull1D
Entries 7
Mean −0.01878
Std Dev 1.151
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

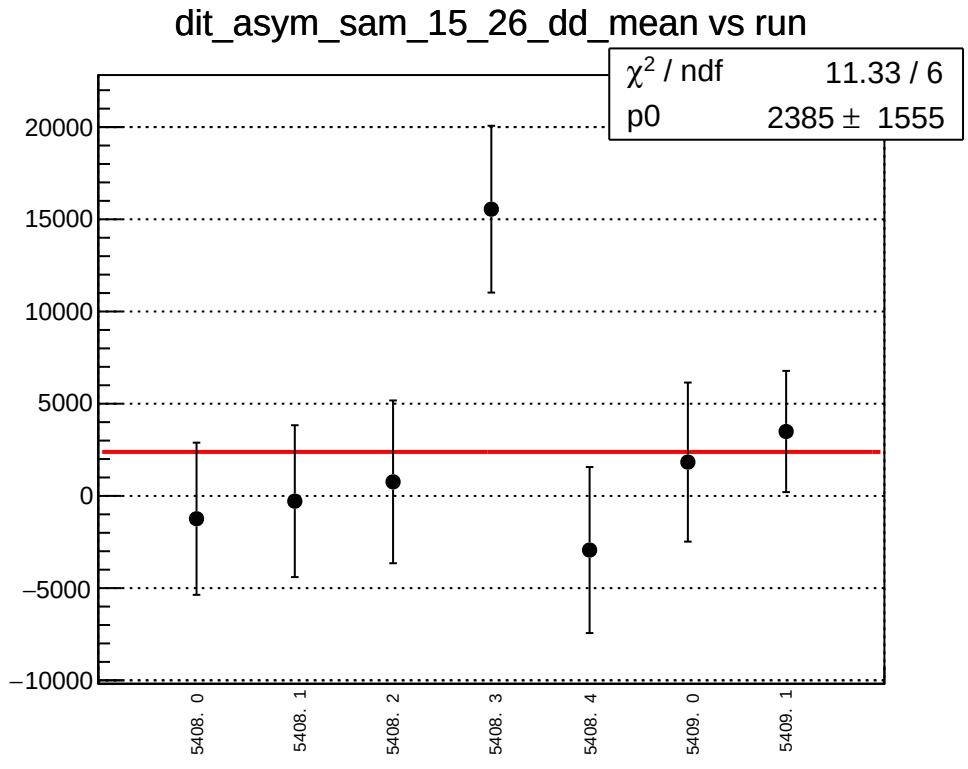

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 15.8 / 6
p0 272.5 ± 0.7262
278
276
274
272
270
268
266
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

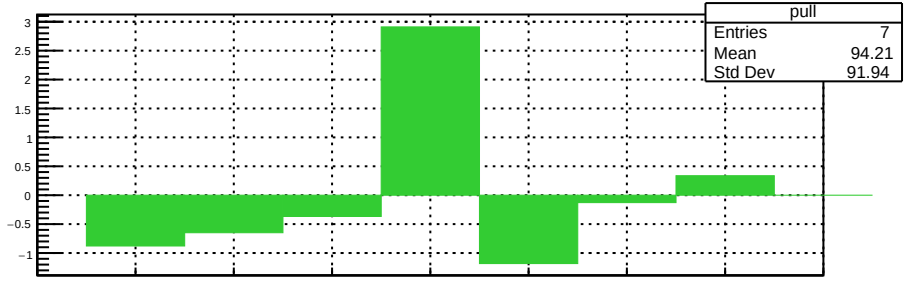

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

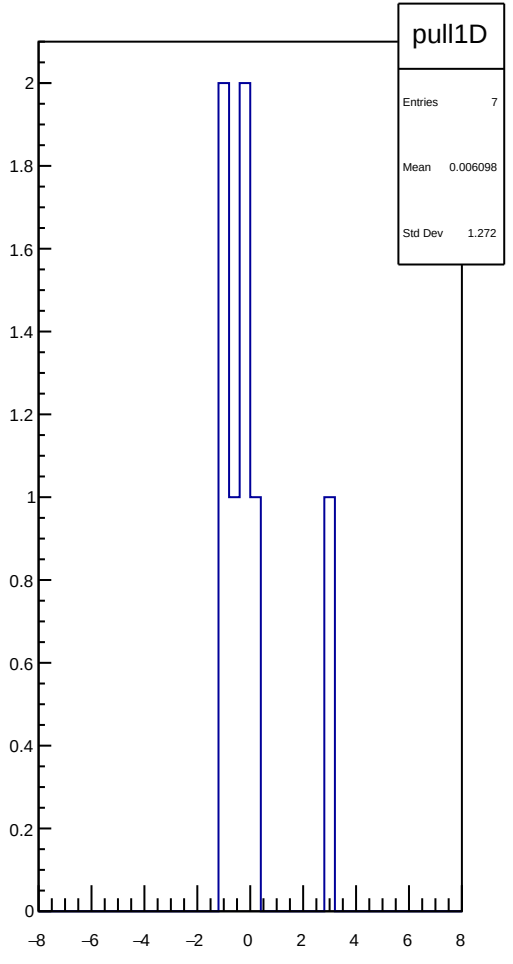

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

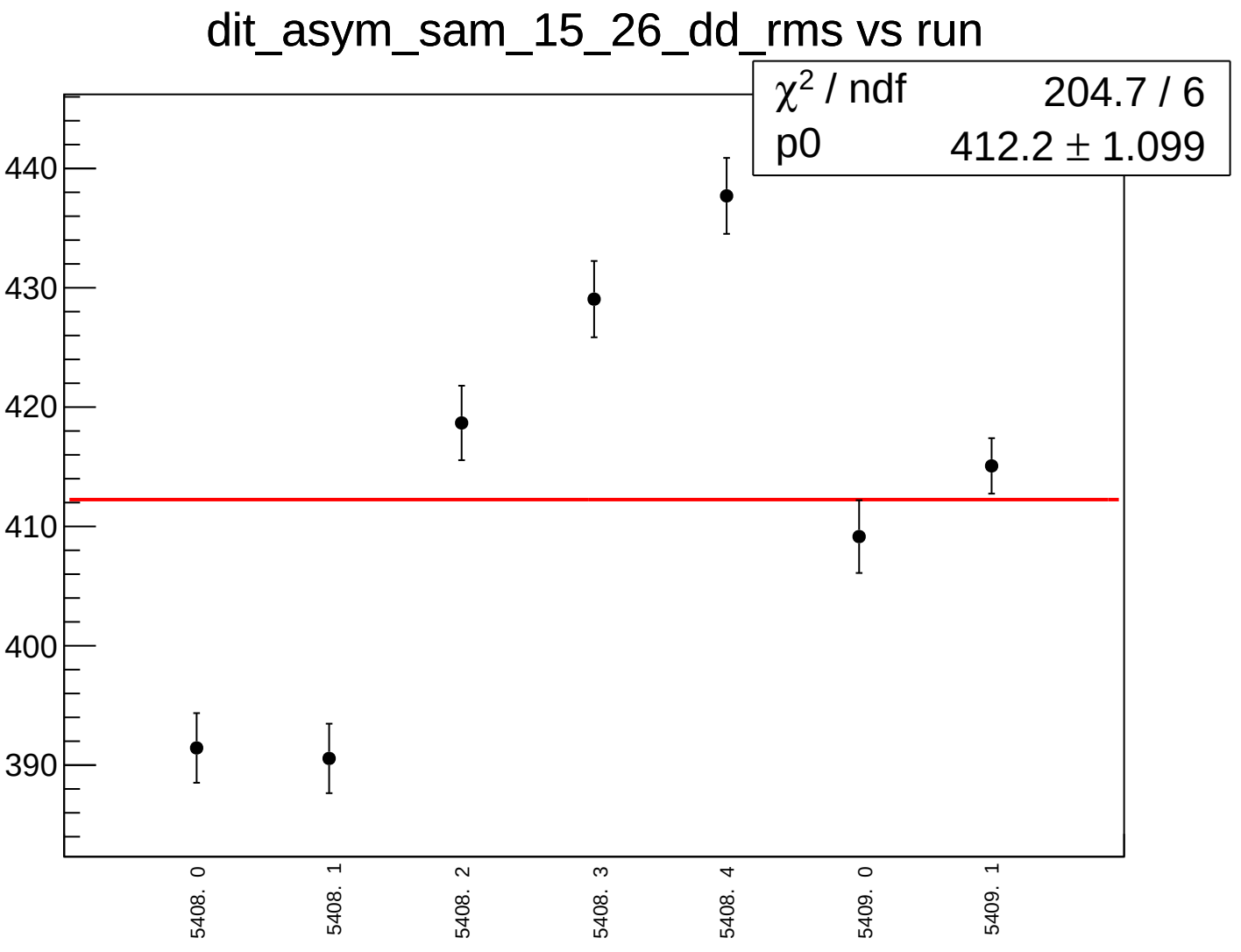

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

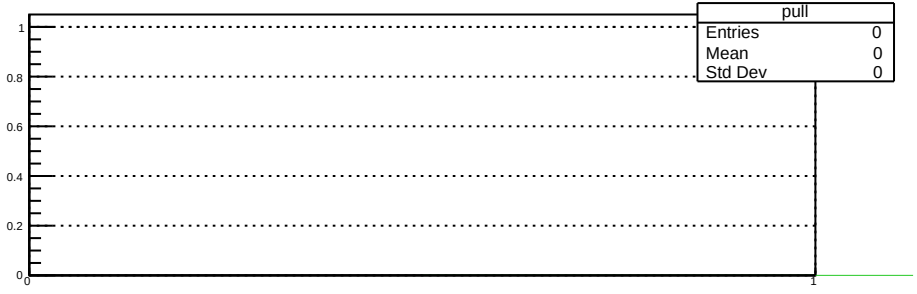

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

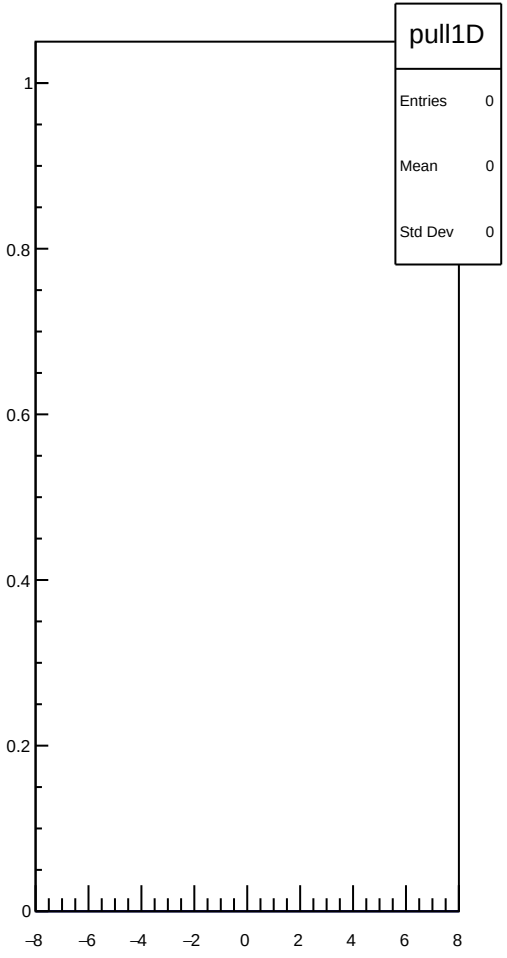

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 11.33 / 6
p0 2385 ± 1555
20000
15000
10000
5000
0
−5000
−10000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

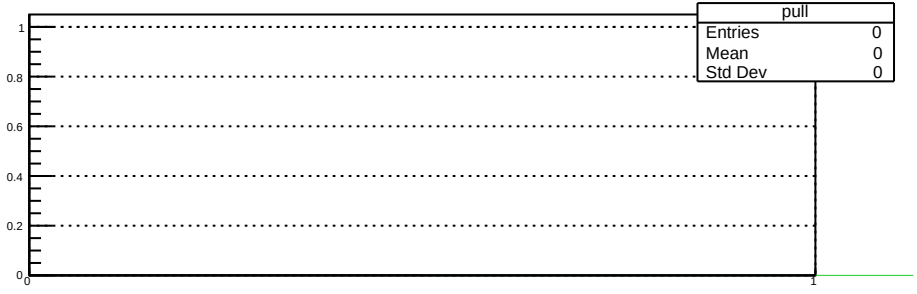

pull
Entries 7
Mean 94.21
Std Dev 91.94
3
2.5
2
1.5
1
0.5
0
−0.5
−1

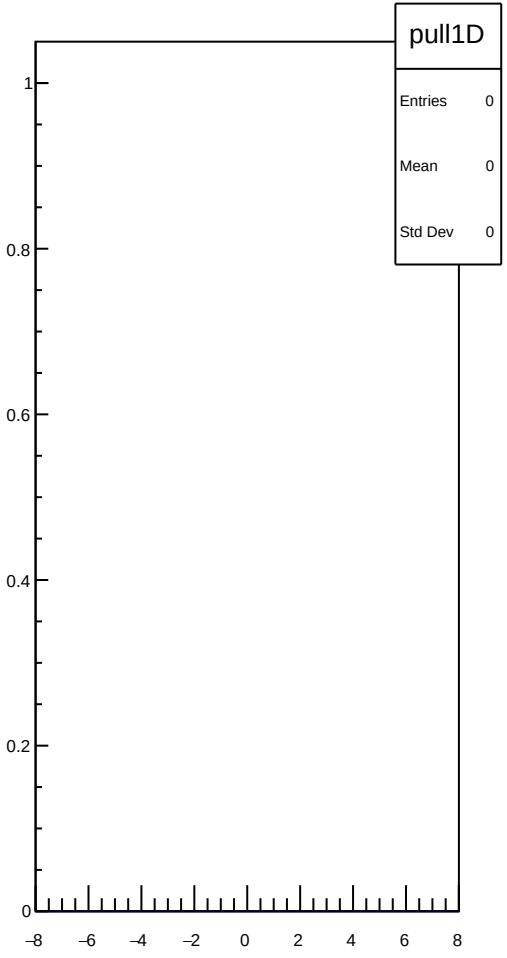

pull1D
Entries 7
Mean 0.006098
Std Dev 1.272
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

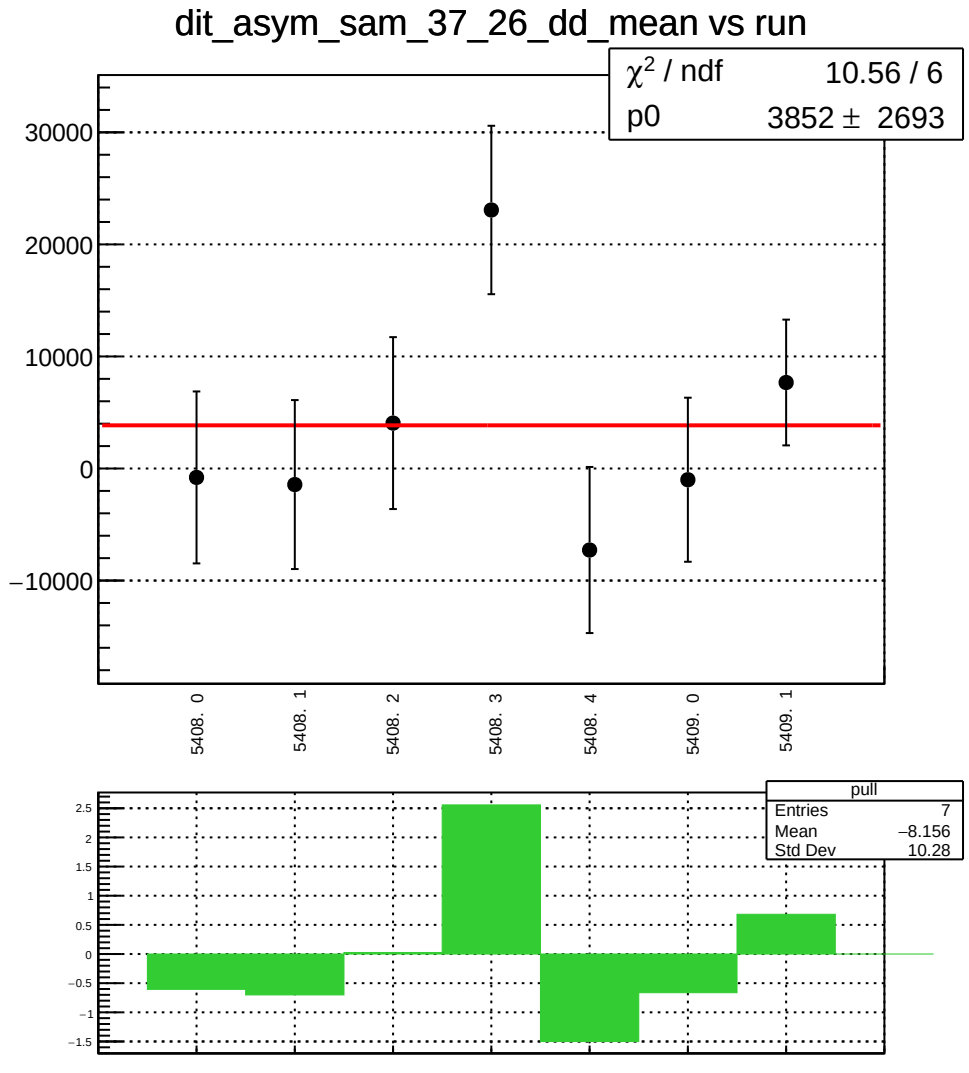

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 204.7 / 6
p0 412.2 ± 1.099
440
430
420
410
400
390
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

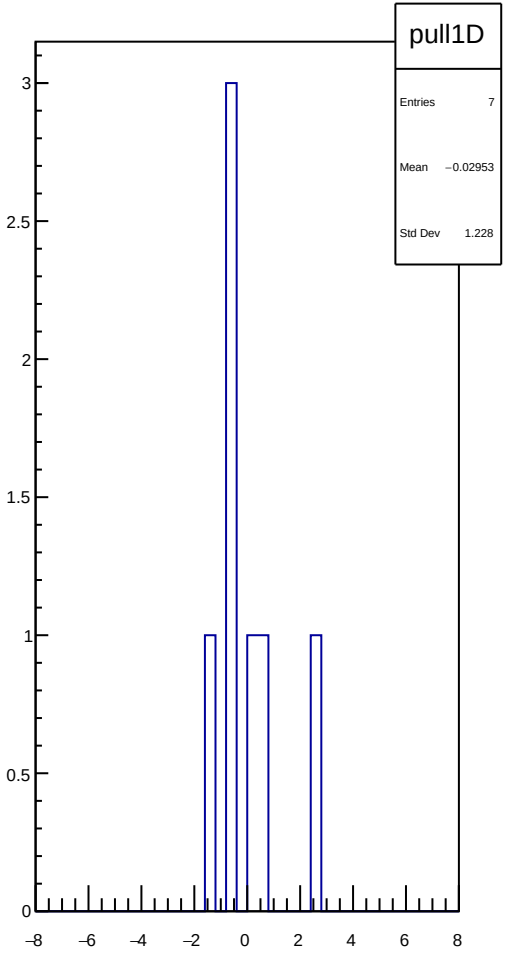

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

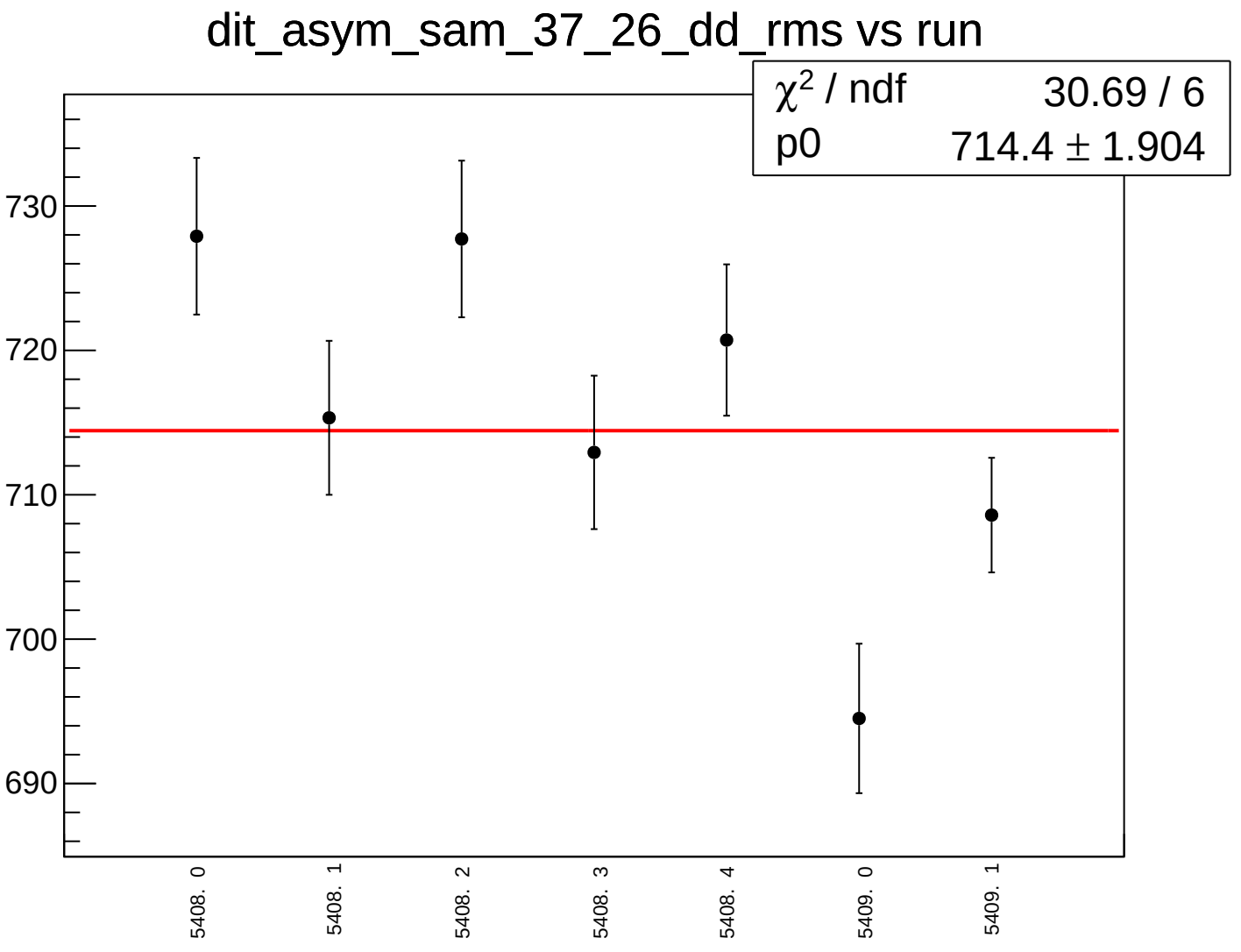

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

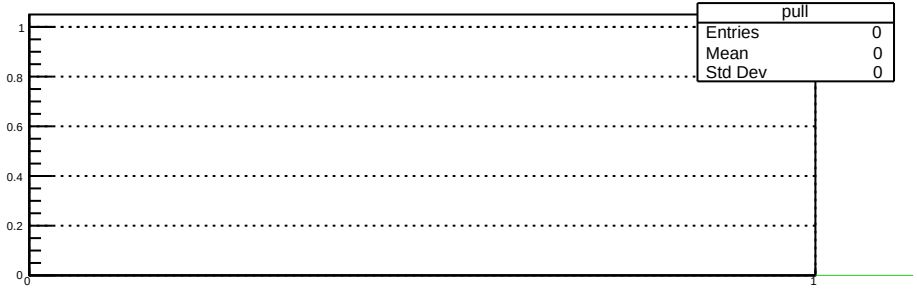

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

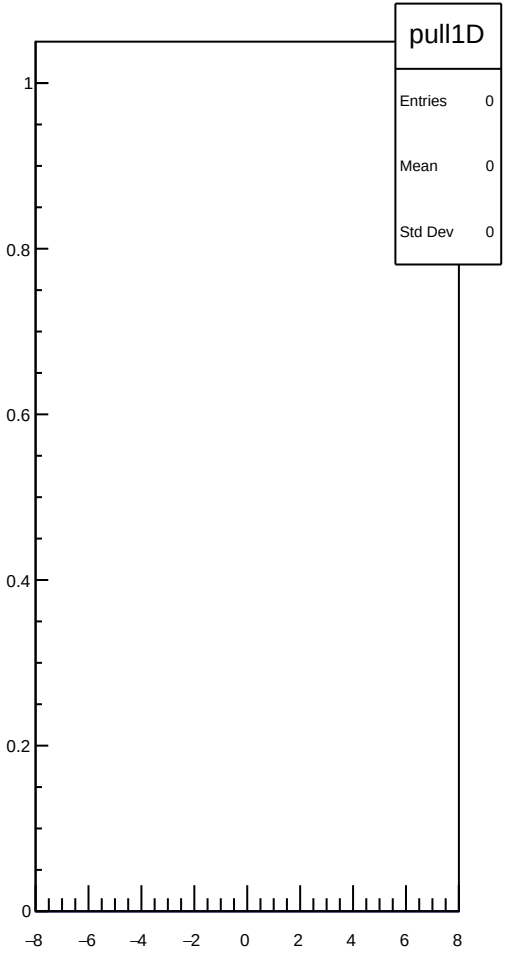

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

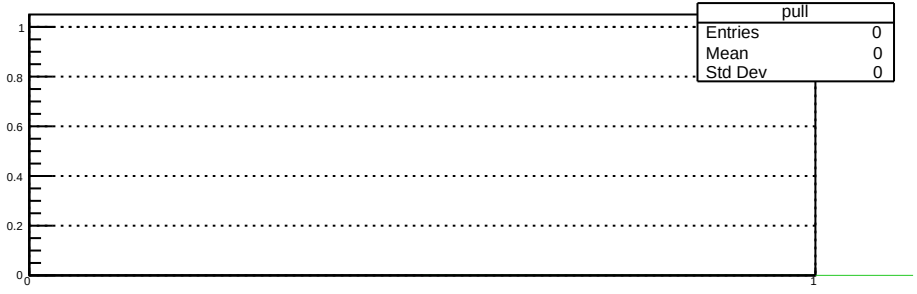

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 10.56 / 6
p0 3852 ± 2693
30000
20000
10000
0
−10000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −8.156
Std Dev 10.28
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

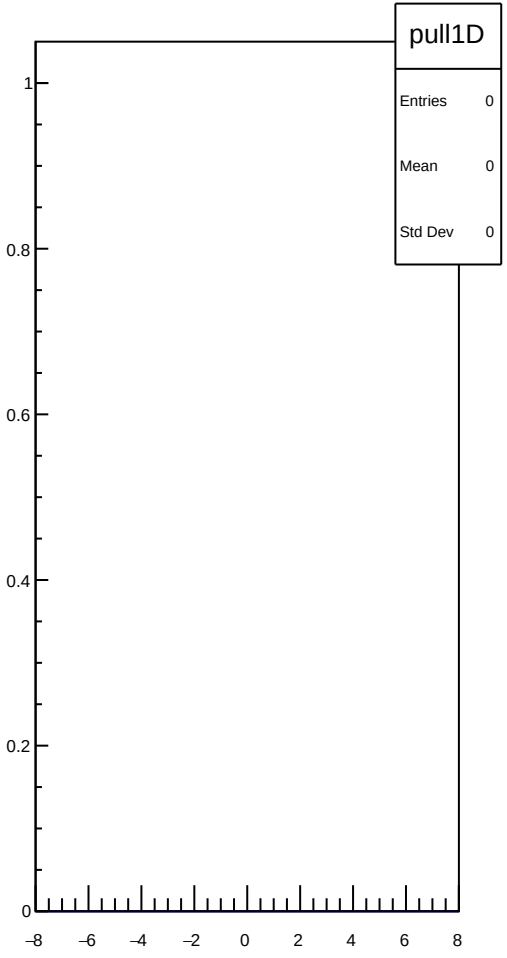

pull1D
Entries 7
Mean −0.02953
Std Dev 1.228
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

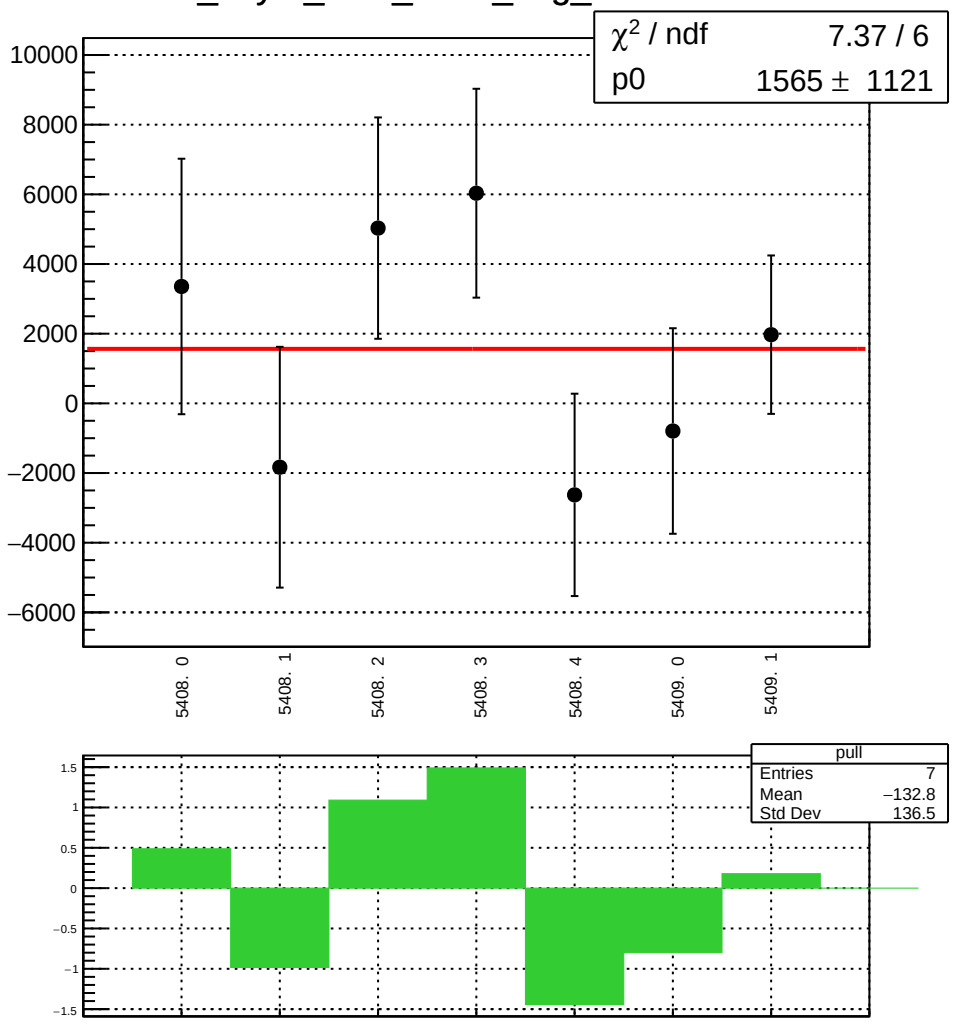

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 30.69 / 6
p0 714.4 ± 1.904
730
720
710
700
690
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

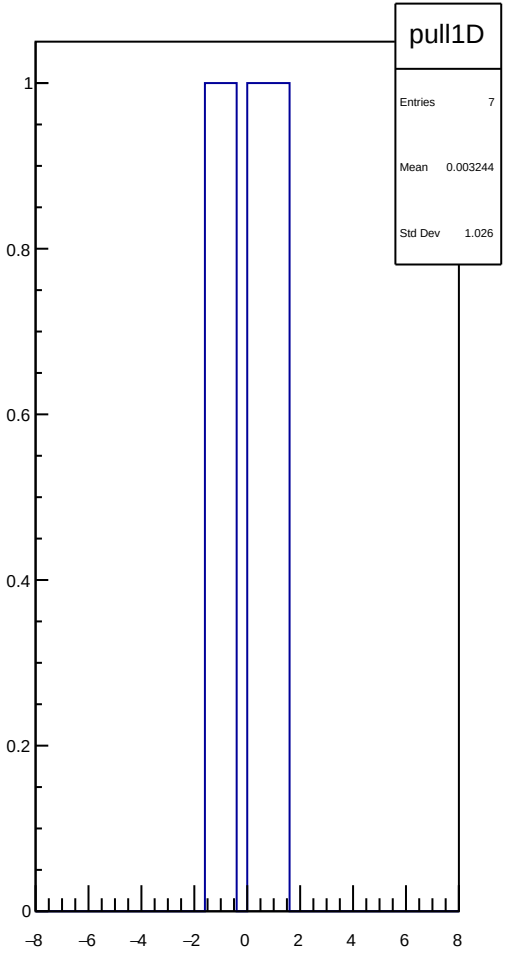

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

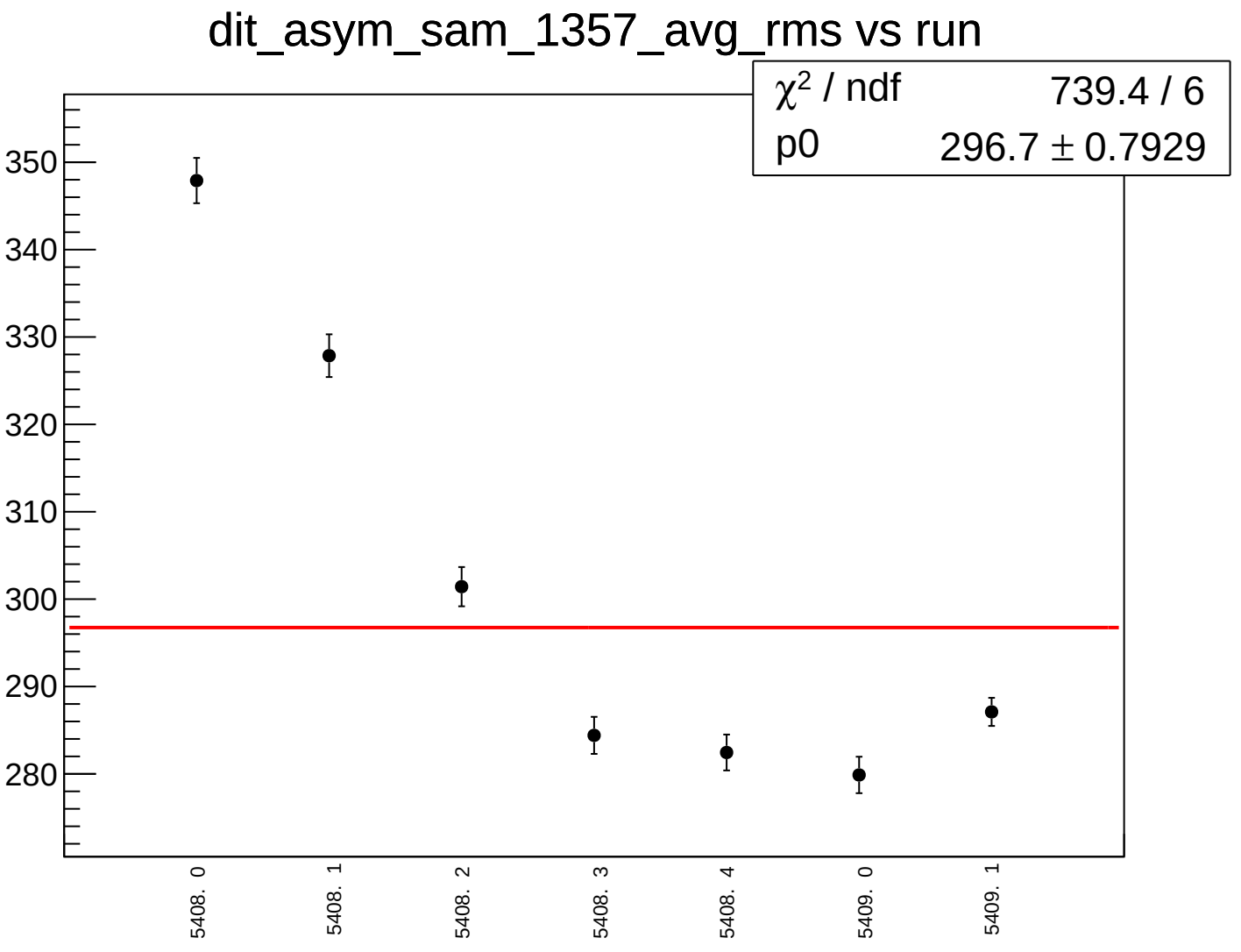

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

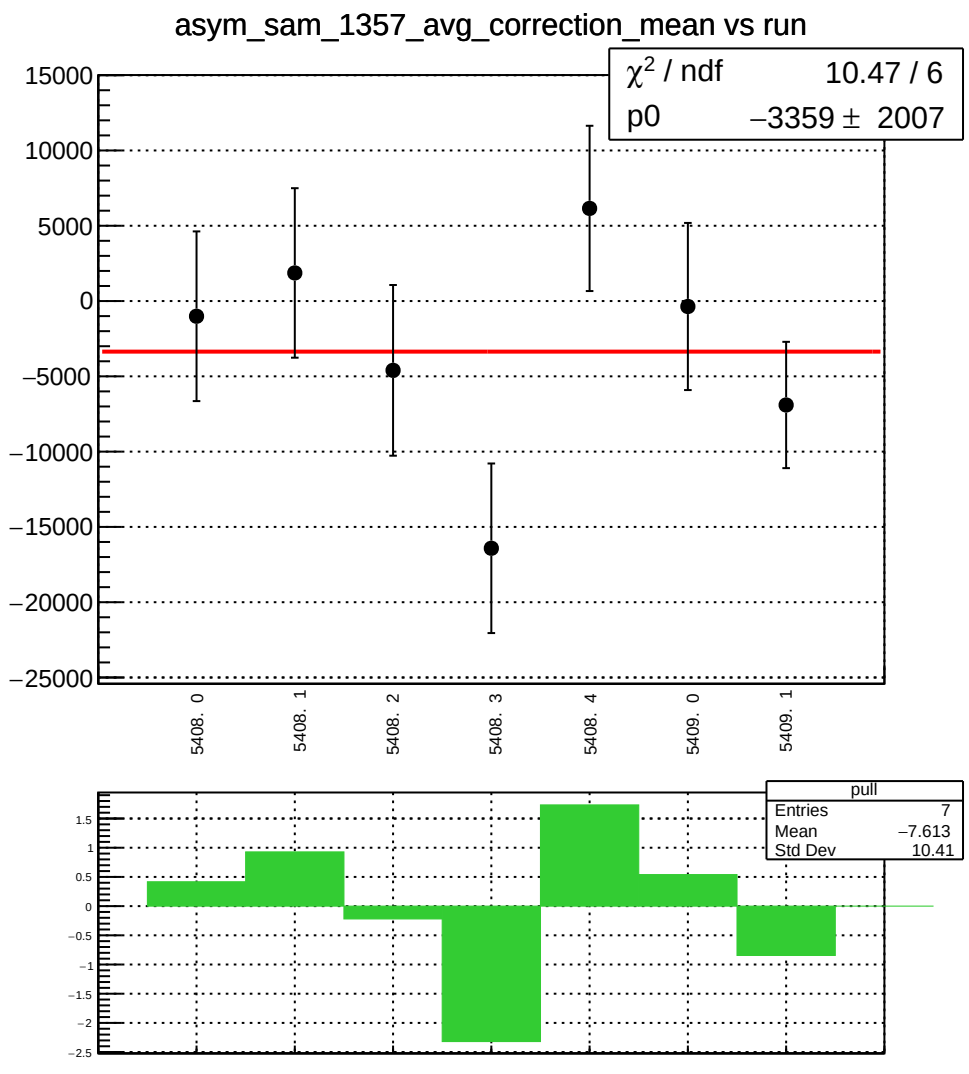

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

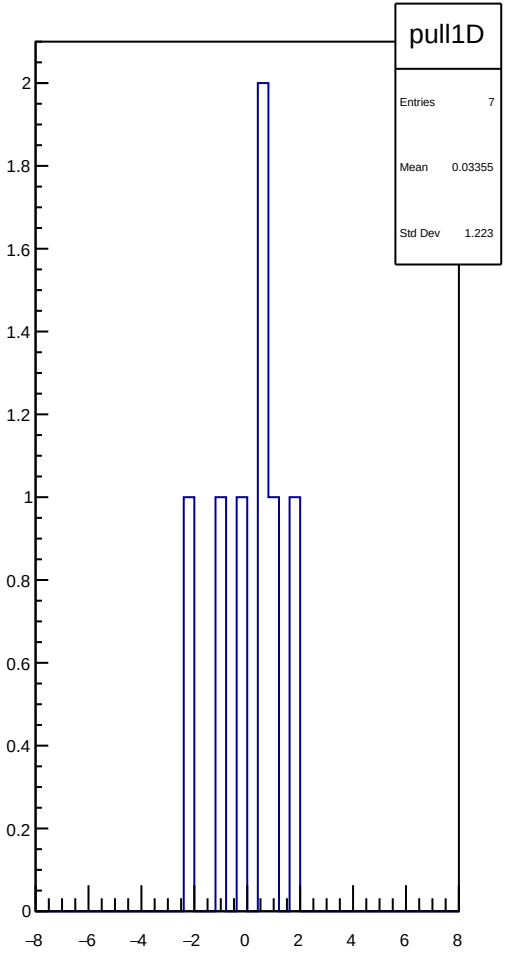

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

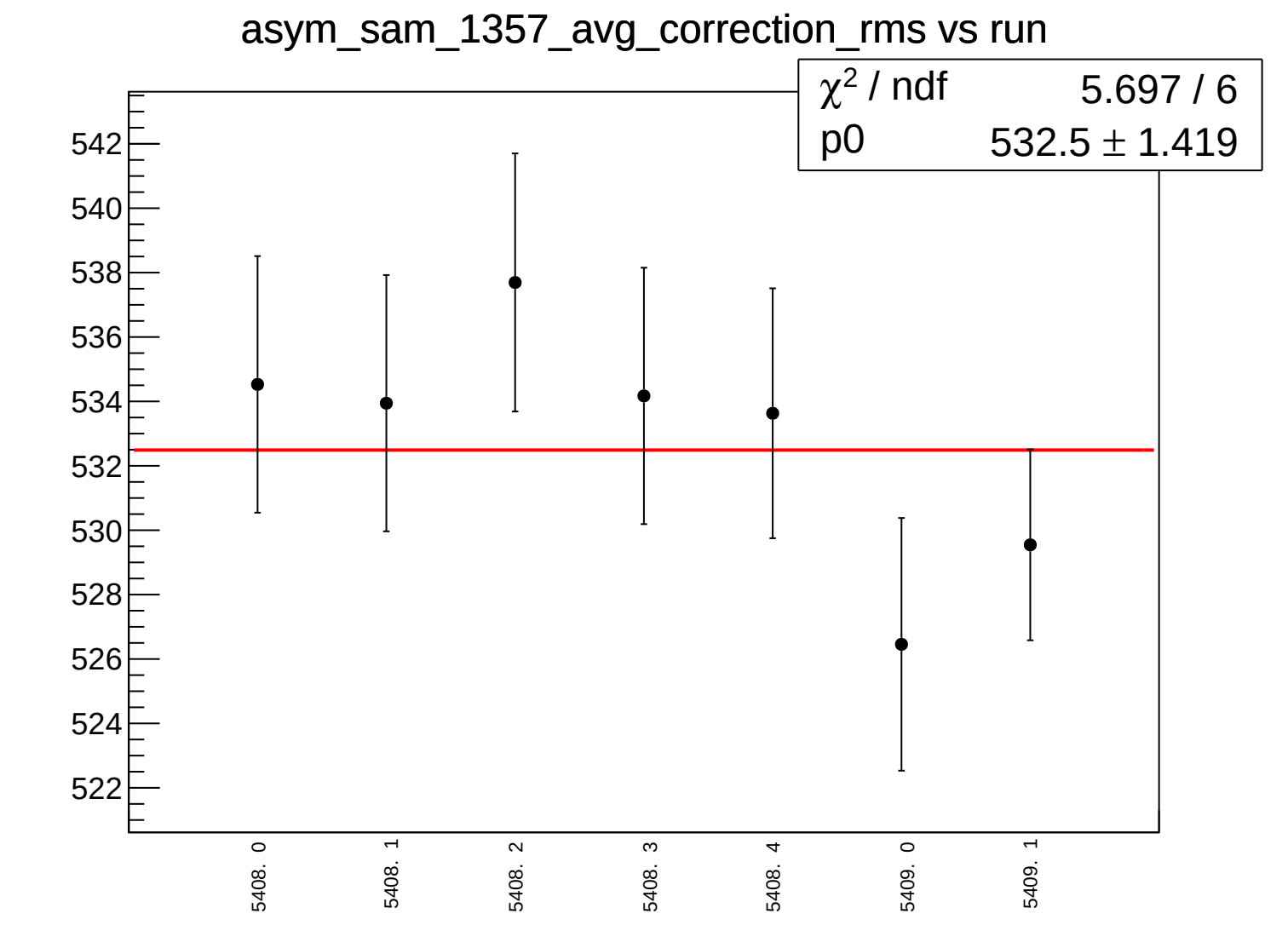

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 7.37 / 6
p0 1565 ± 1121
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −132.8
Std Dev 136.5
1.5
1
0.5
0
−0.5
−1
−1.5

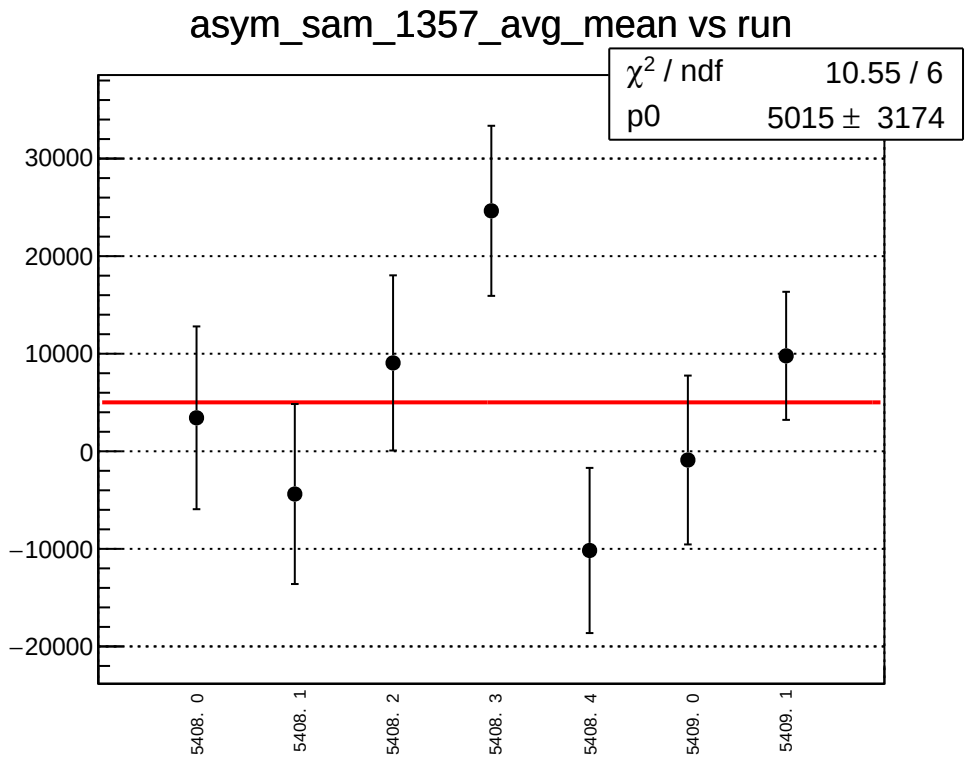

pull1D
Entries 7
Mean 0.003244
Std Dev 1.026
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

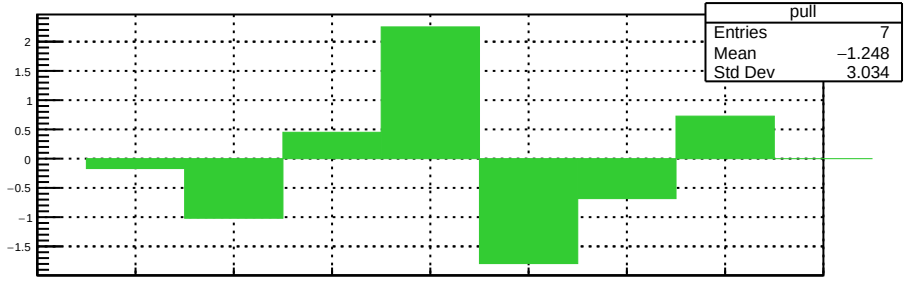

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 739.4 / 6
p0 296.7 ± 0.7929
350
340
330
320
310
300
290
280
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

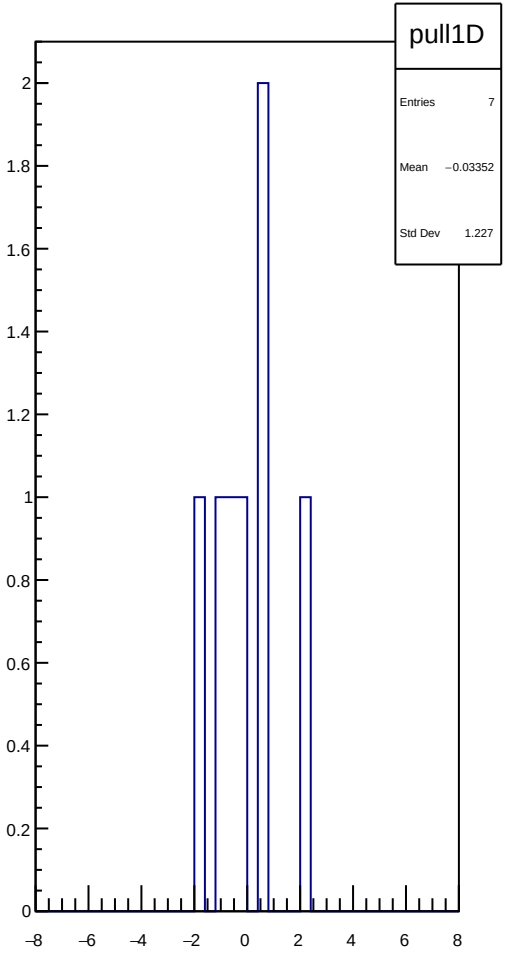

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 10.47 / 6
p0 −3359 ± 2007
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.613
Std Dev 10.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

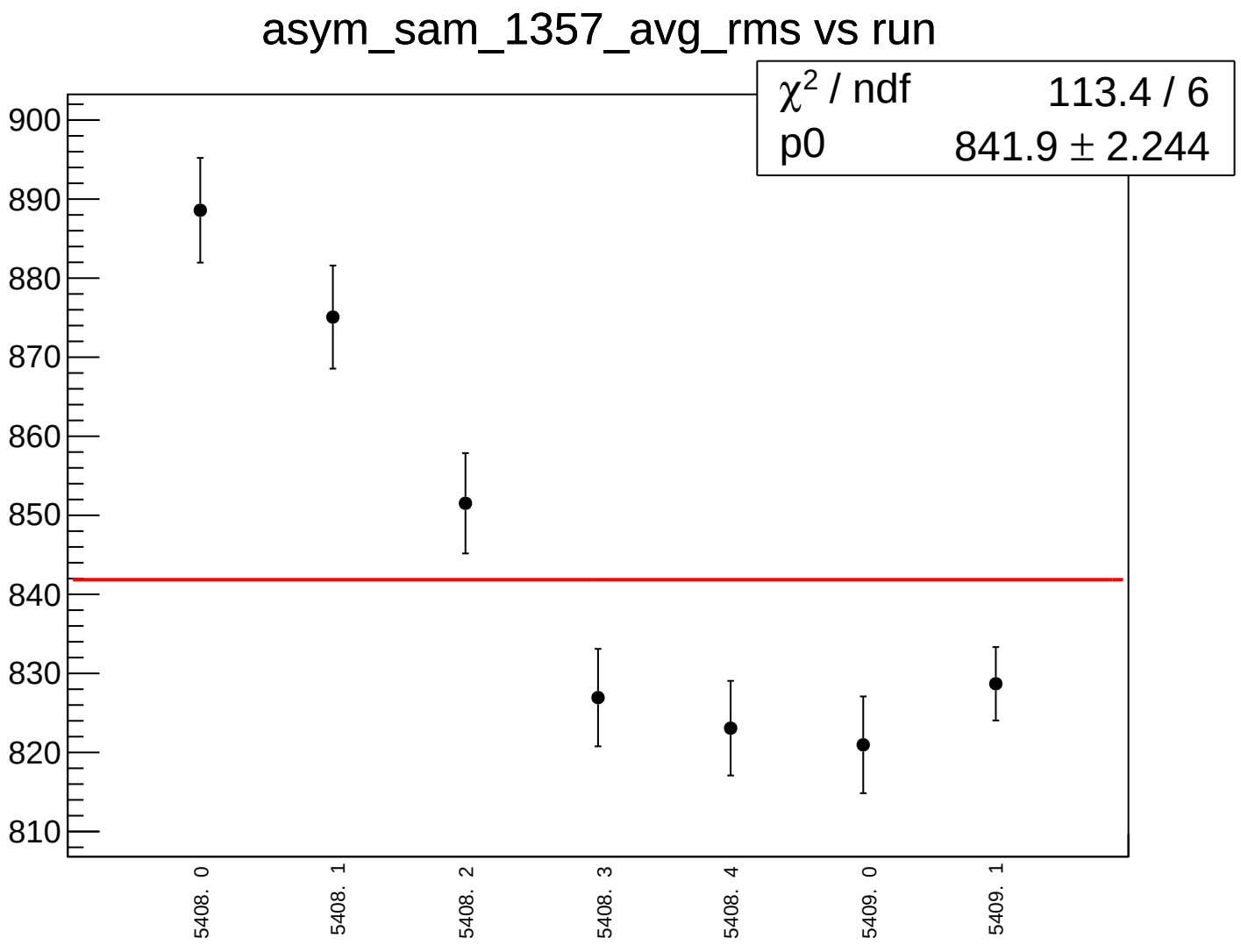

pull1D
Entries 7
Mean 0.03355
Std Dev 1.223
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

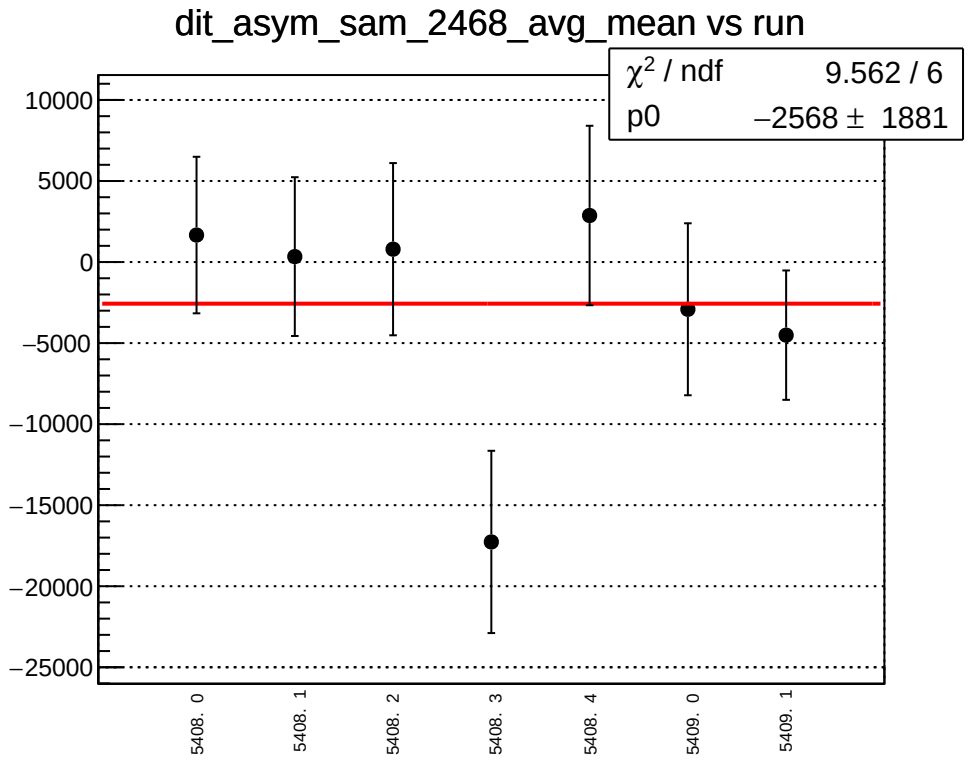

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 5.697 / 6
p0 532.5 ± 1.419
542
540
538
536
534
532
530
528
526
524
522
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

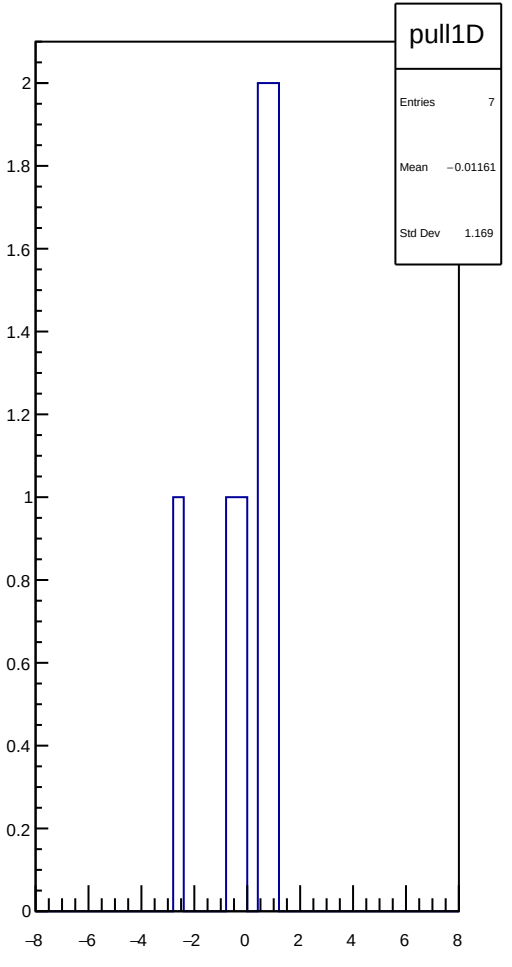

asym_sam_1357_avg_mean vs run
χ² / ndf 10.55 / 6
p0 5015 ± 3174
30000
20000
10000
0
−10000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

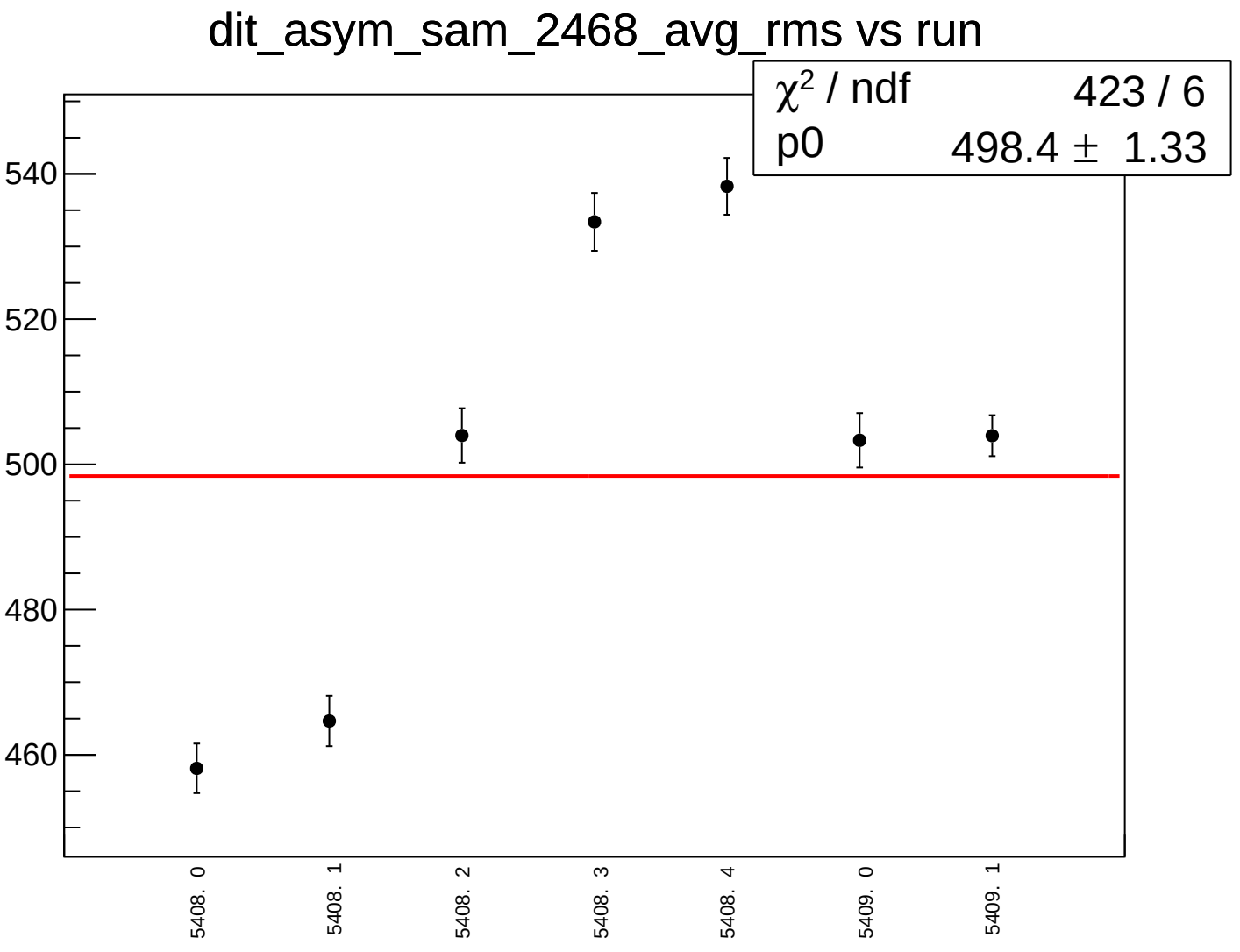

pull
Entries 7
Mean −1.248
Std Dev 3.034
2
1.5
1
0.5
0
−0.5
−1
−1.5

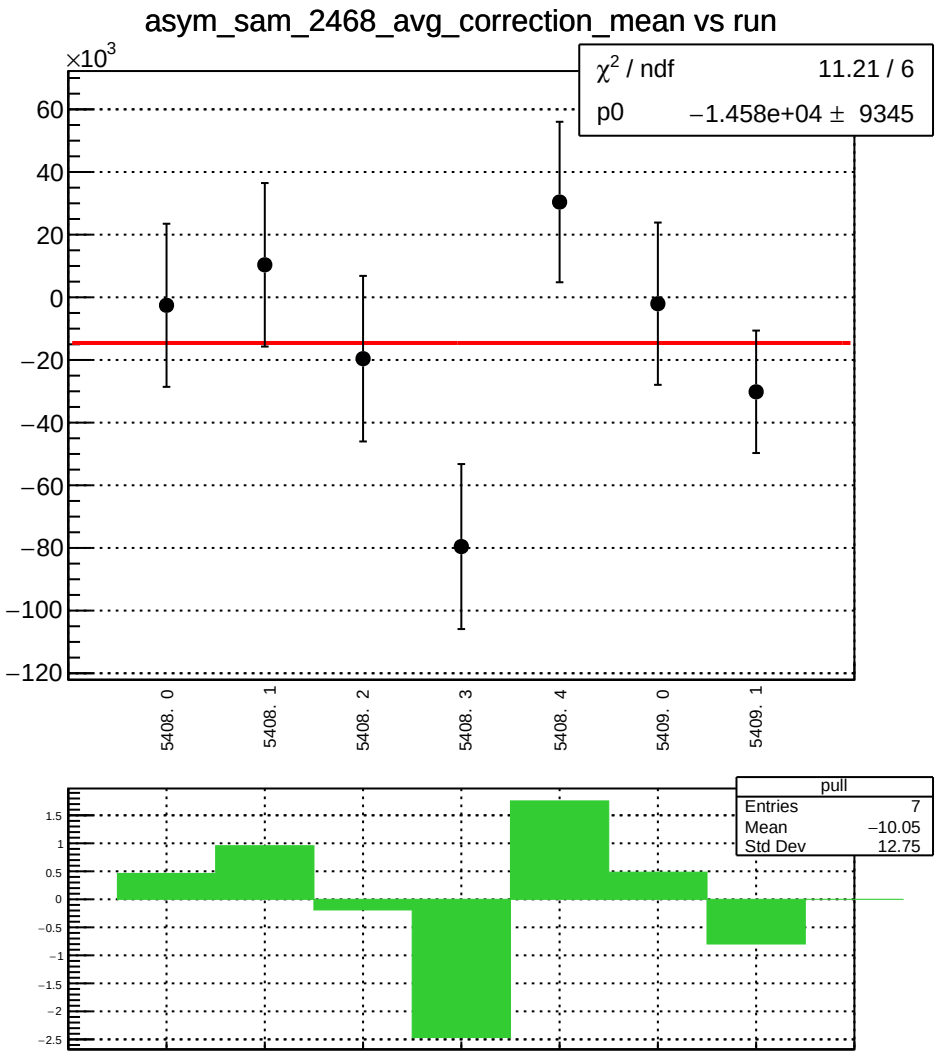

pull1D
Entries 7
Mean −0.03352
Std Dev 1.227
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

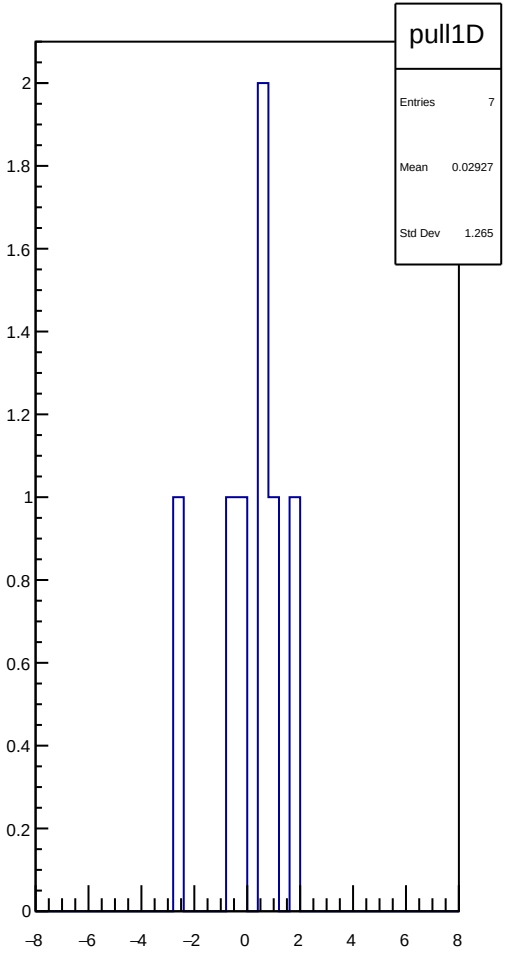

asym_sam_1357_avg_rms vs run
χ² / ndf 113.4 / 6
p0 841.9 ± 2.244
900
890
880
870
860
850
840
830
820
810
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

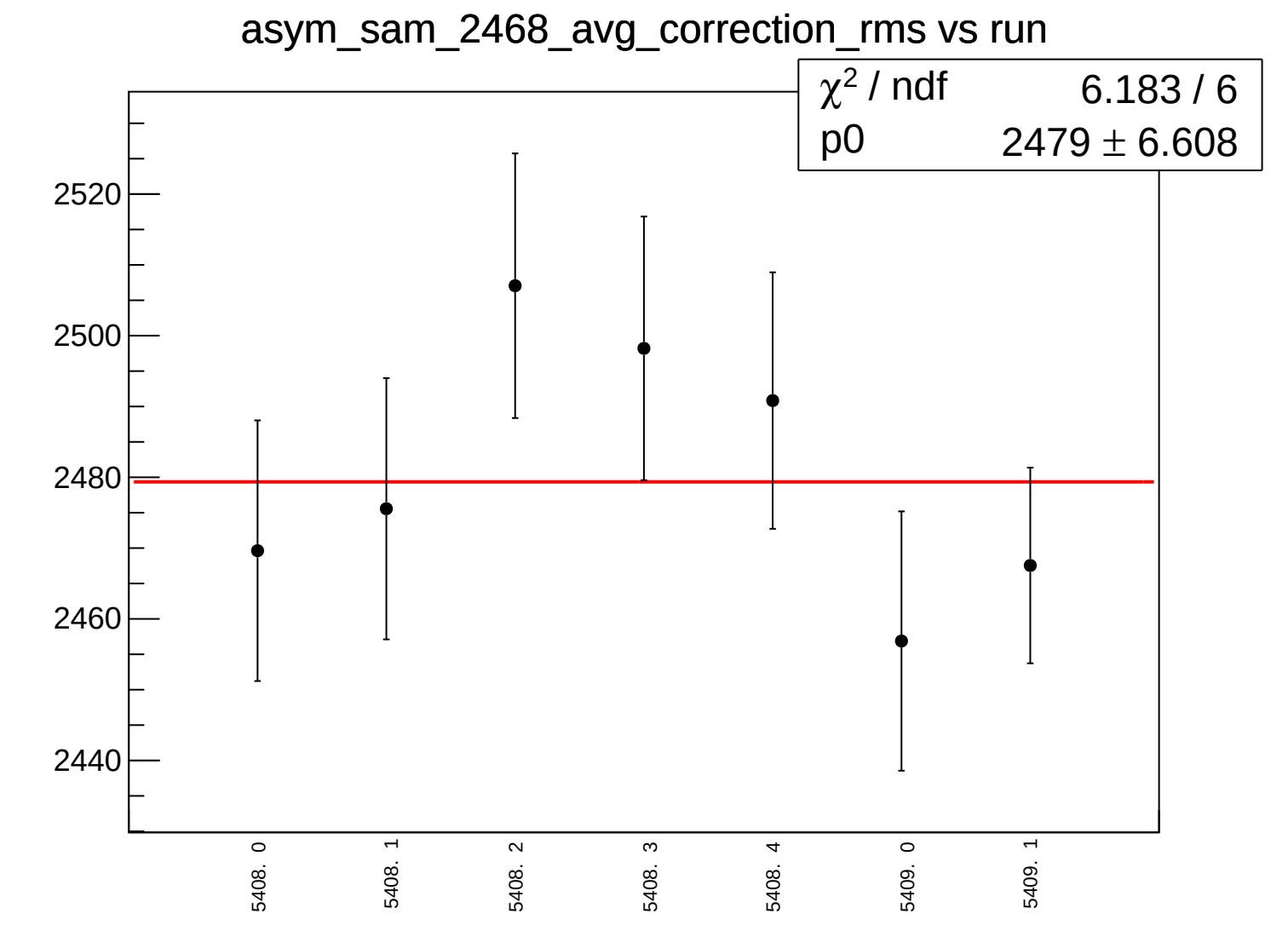

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 9.562 / 6
p0 −2568 ± 1881
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 65.7
Std Dev 62.91
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

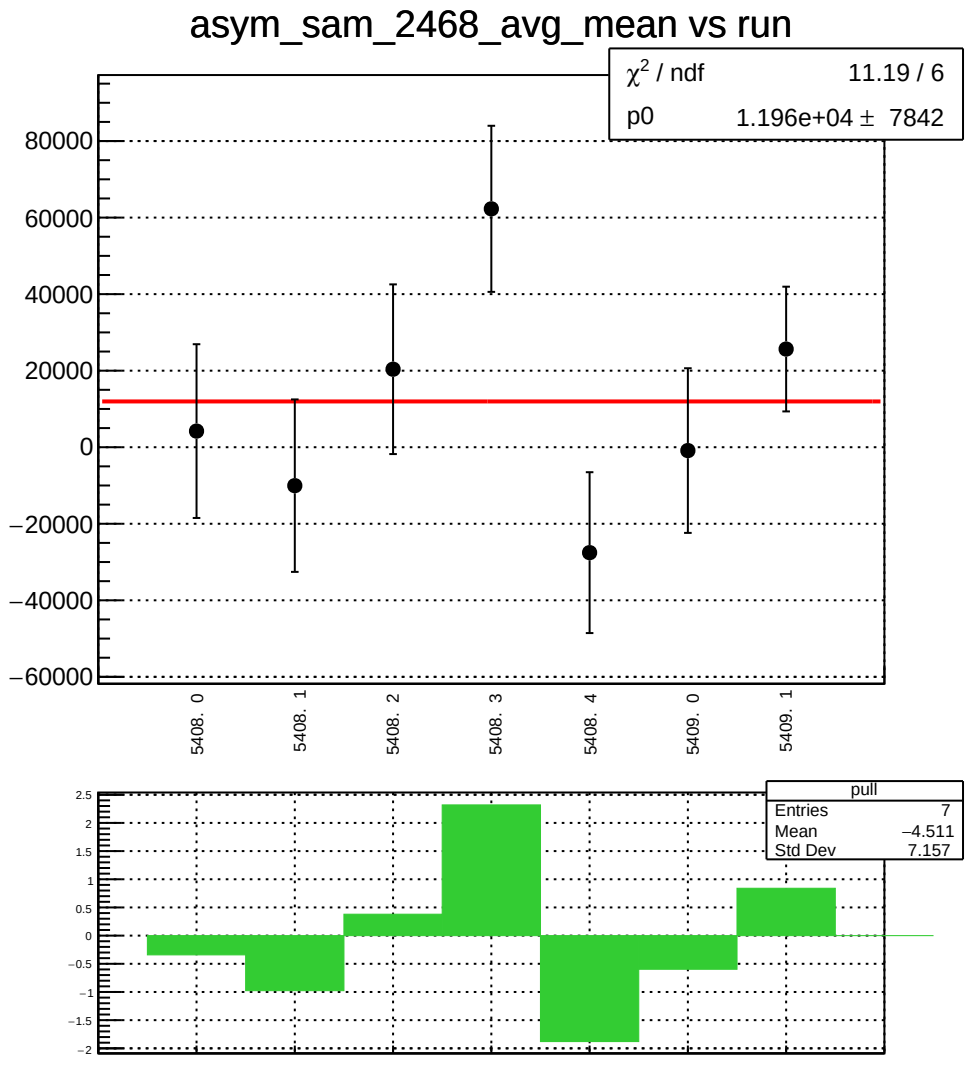

pull1D
Entries 7
Mean −0.01161
Std Dev 1.169
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

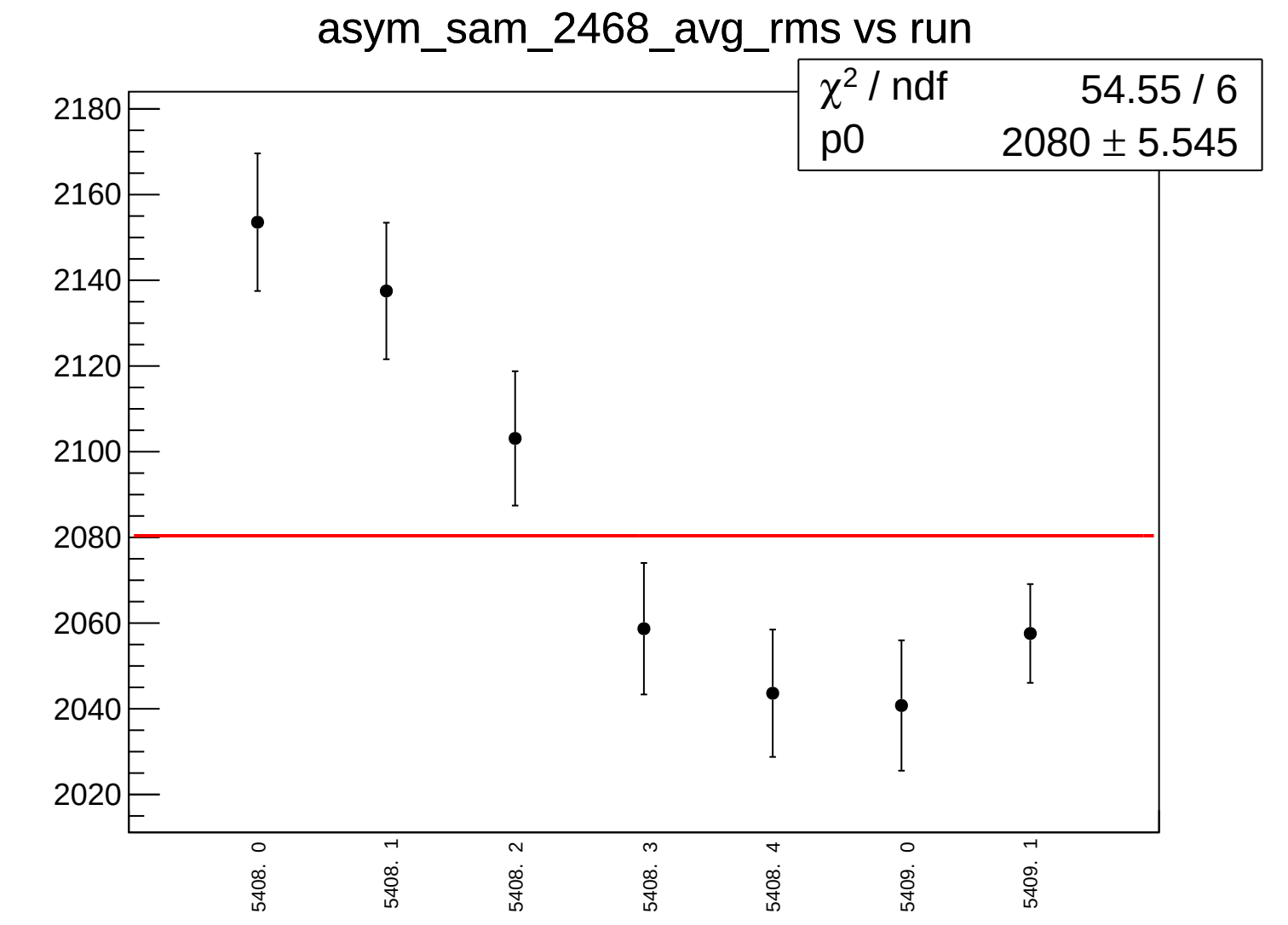

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 423 / 6
p0 498.4 ± 1.33
540
520
500
480
460
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

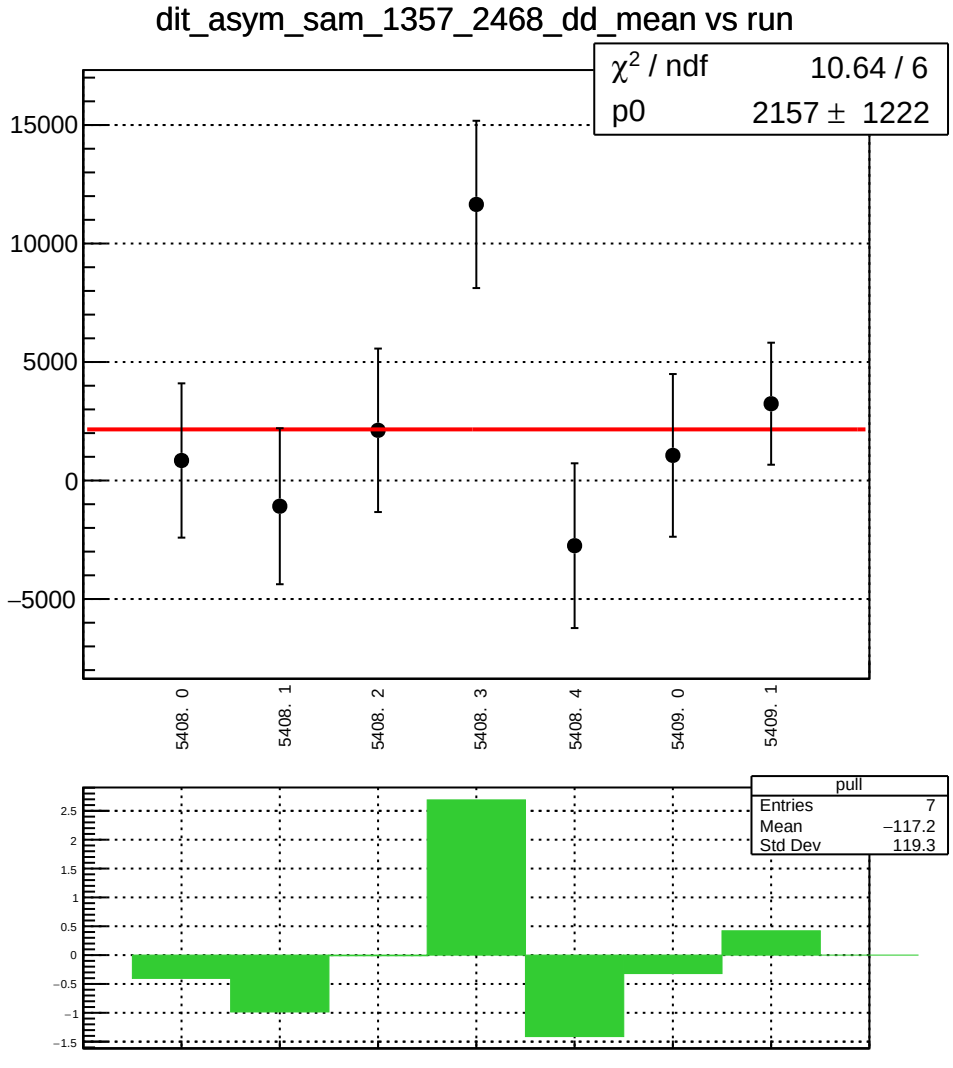

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 11.21 / 6
p0 −1.458e+04 ± 9345
60
40
20
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.05
Std Dev 12.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

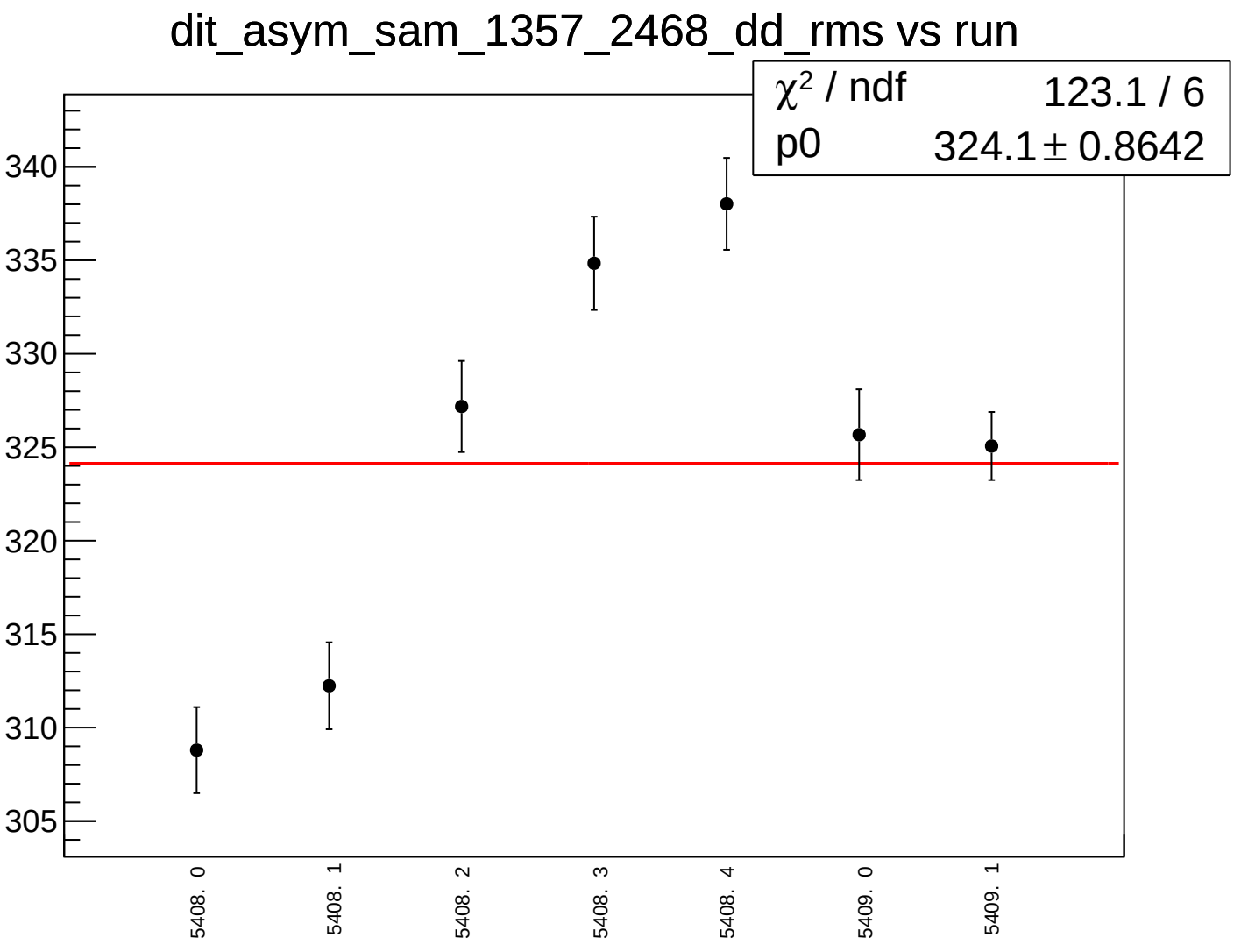

pull1D
Entries 7
Mean 0.02927
Std Dev 1.265
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

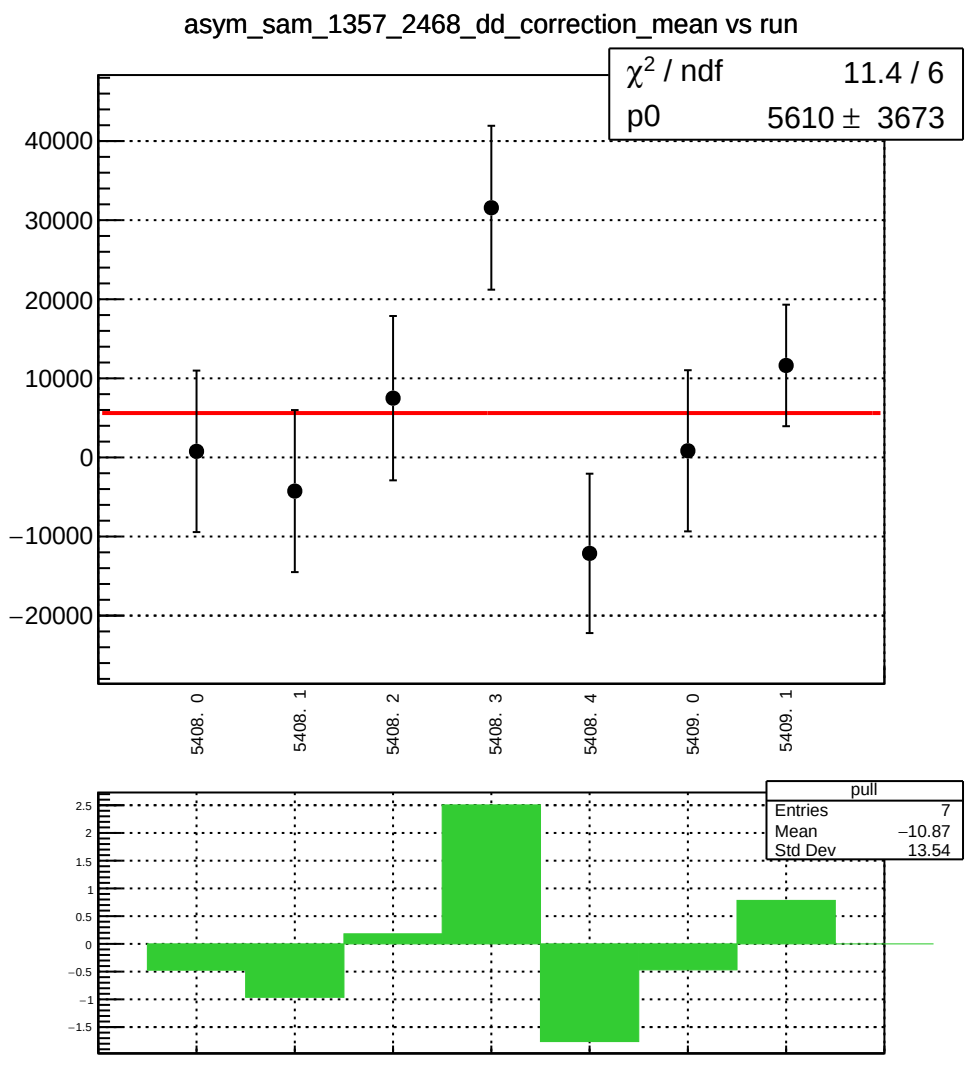

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 6.183 / 6
p0 2479 ± 6.608
2520
2500
2480
2460
2440
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

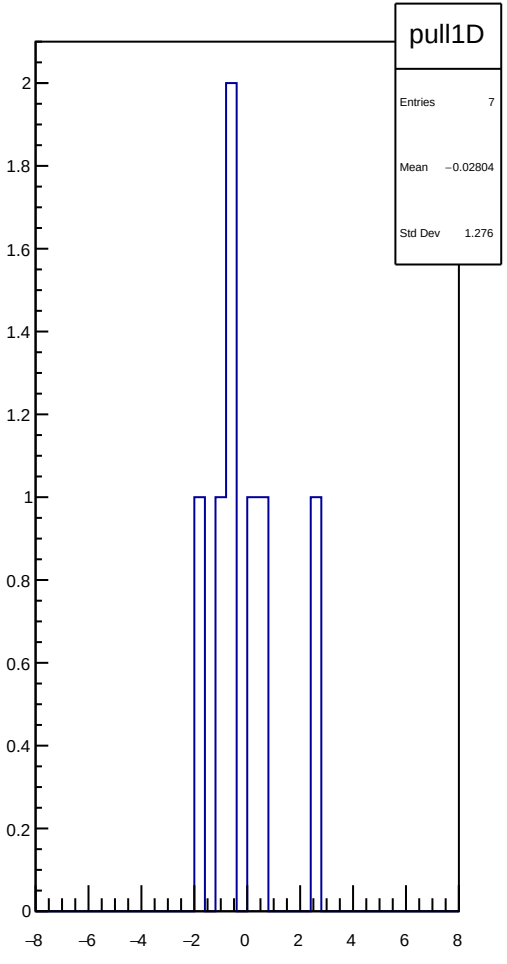

asym_sam_2468_avg_mean vs run
χ² / ndf 11.19 / 6
p0 1.196e+04 ± 7842
80000
60000
40000
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −4.511
Std Dev 7.157
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 7
Mean −0.03646
Std Dev 1.264
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

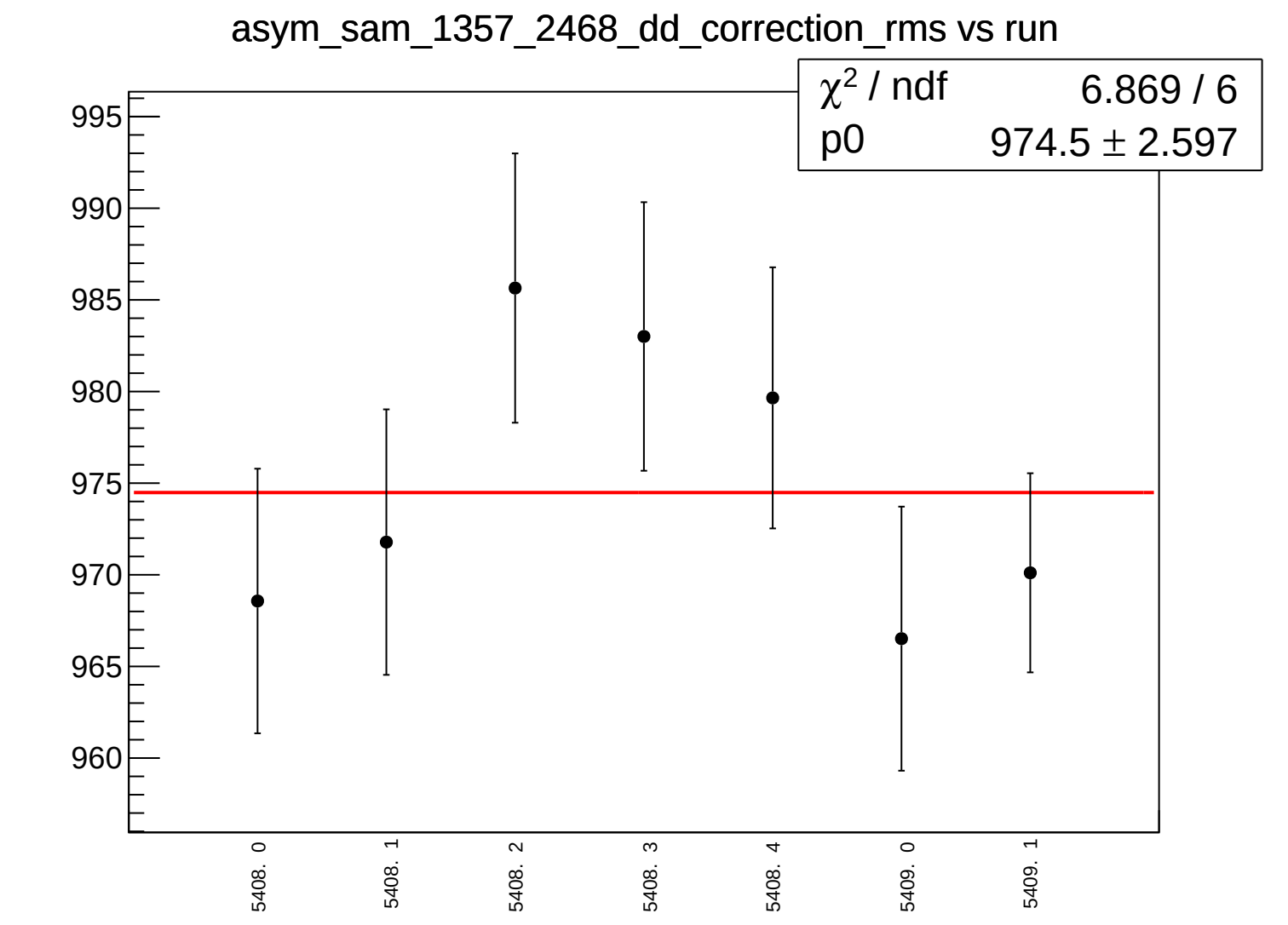

asym_sam_2468_avg_rms vs run
χ² / ndf 54.55 / 6
p0 2080 ± 5.545
2180
2160
2140
2120
2100
2080
2060
2040
2020
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

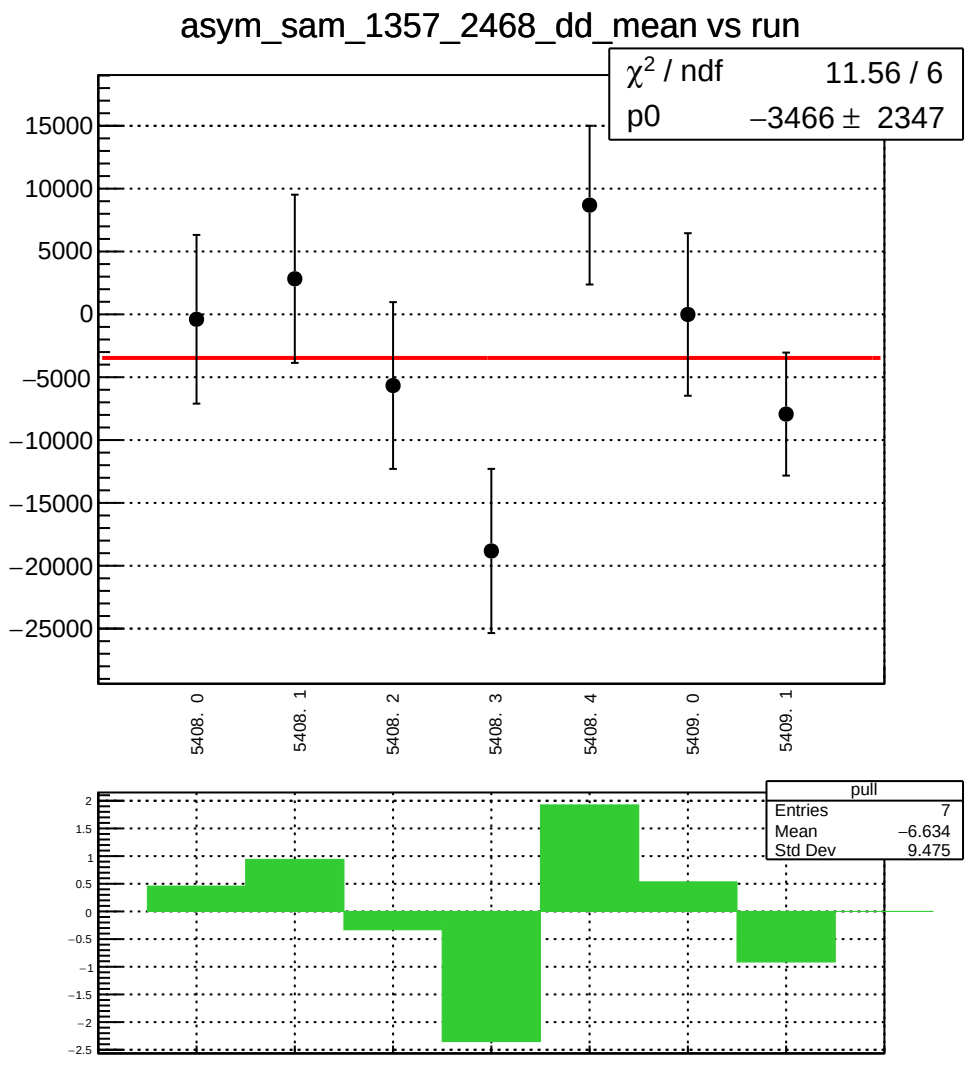

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 10.64 / 6
p0 2157 ± 1222
15000
10000
5000
0
−5000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −117.2
Std Dev 119.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.002844
Std Dev 1.233
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

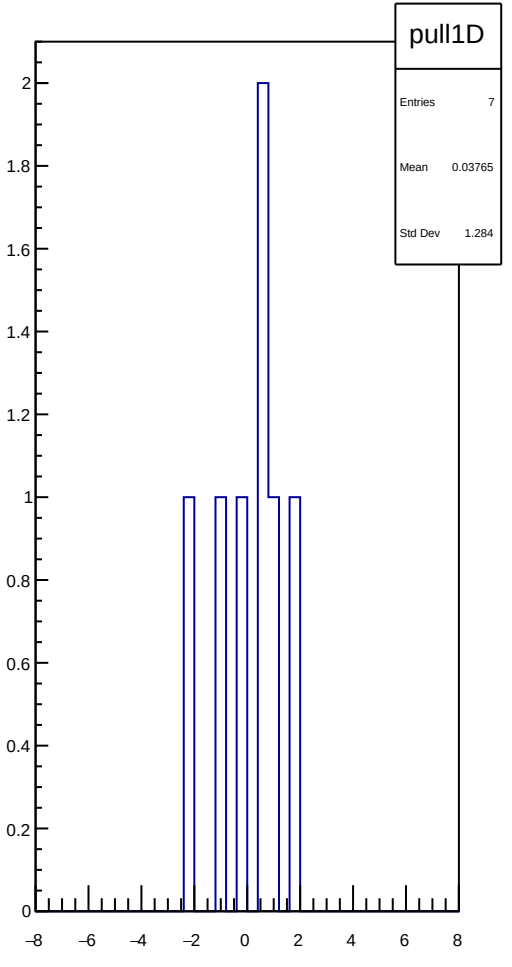

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 123.1 / 6
p0 324.1 ± 0.8642
340
335
330
325
320
315
310
305
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

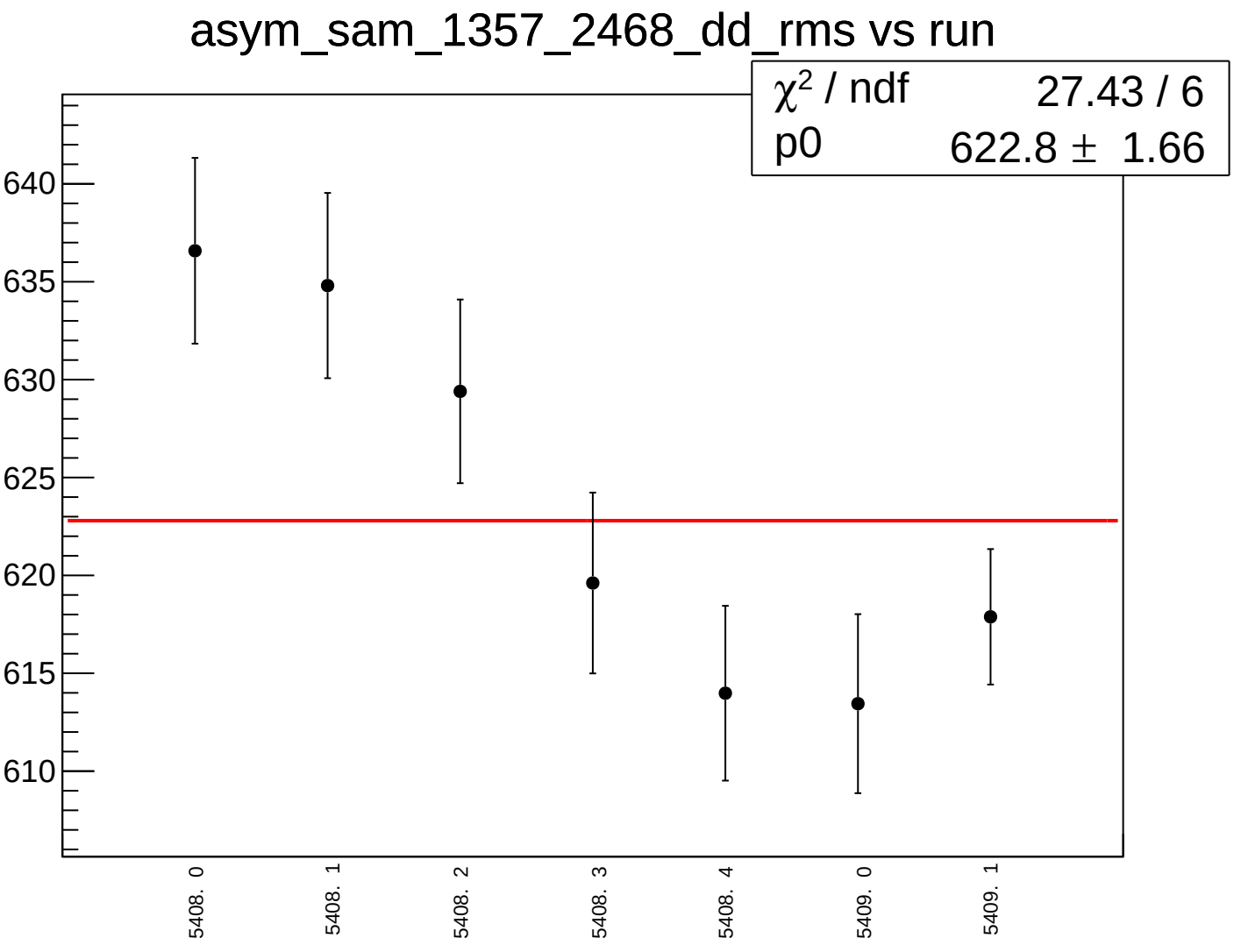

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 11.4 / 6
p0 5610 ± 3673
40000
30000
20000
10000
0
−10000
−20000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.87
Std Dev 13.54
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

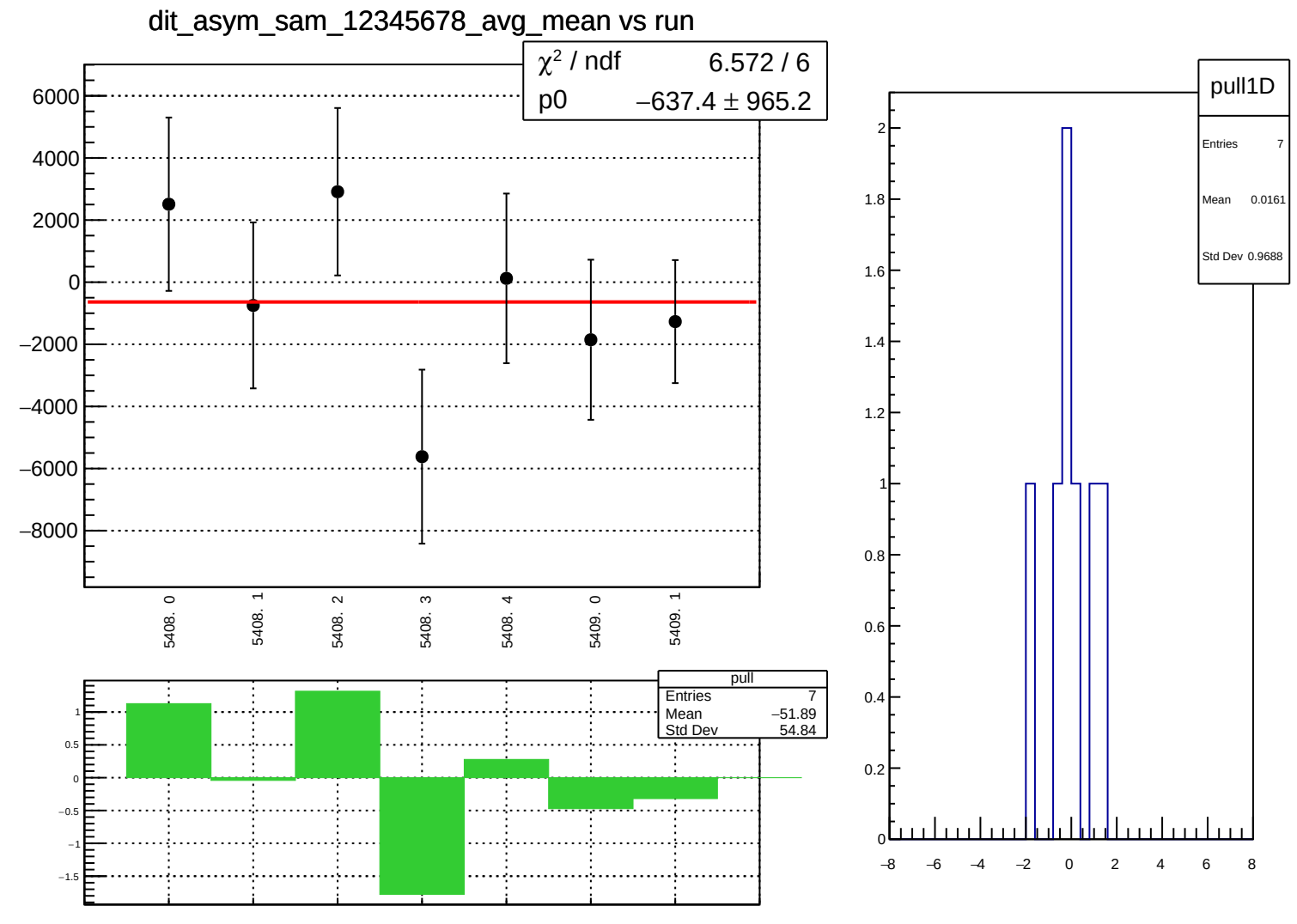

pull1D
Entries 7
Mean −0.02804
Std Dev 1.276
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

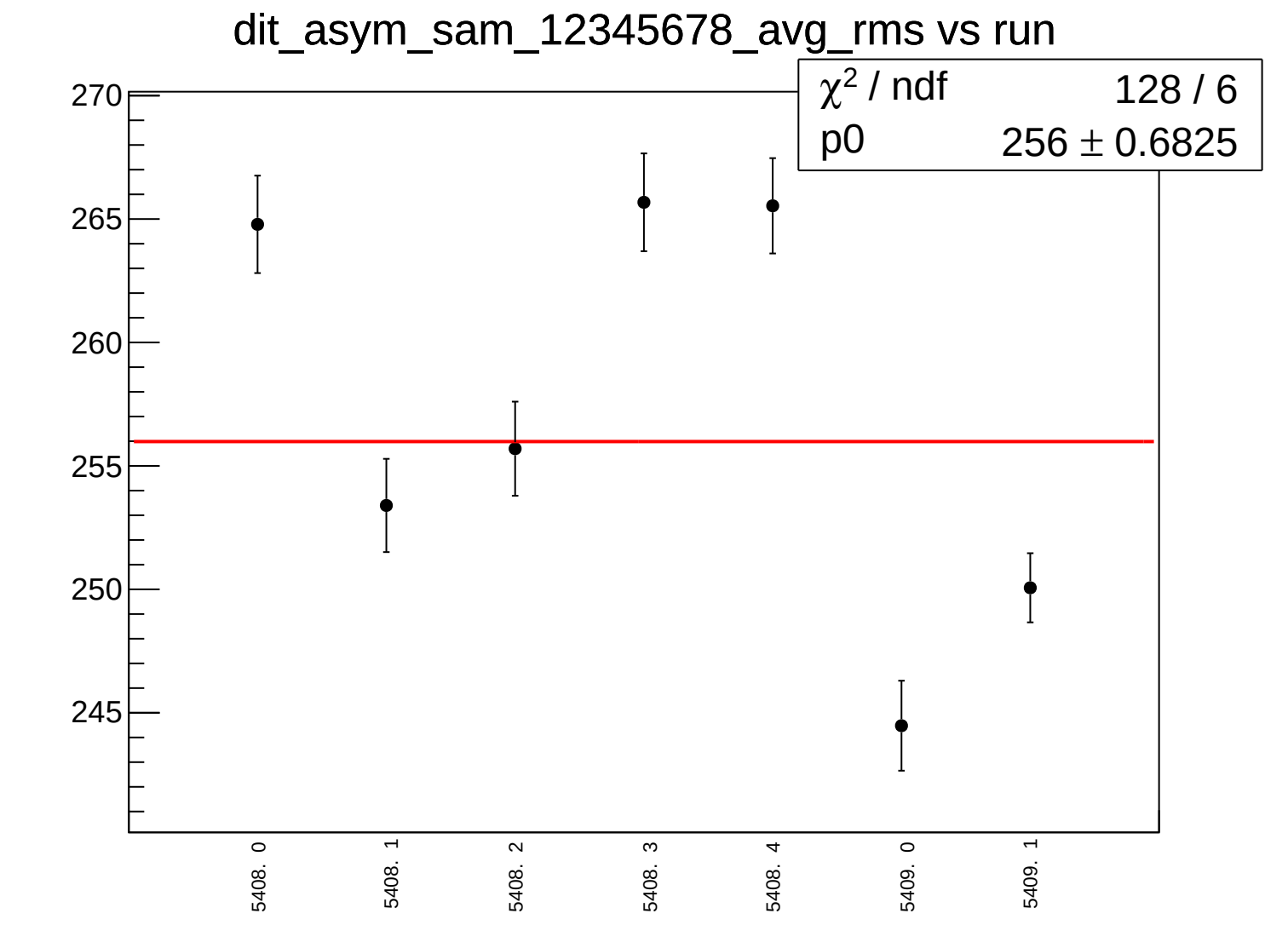

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 6.869 / 6
p0 974.5 ± 2.597
995
990
985
980
975
970
965
960
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

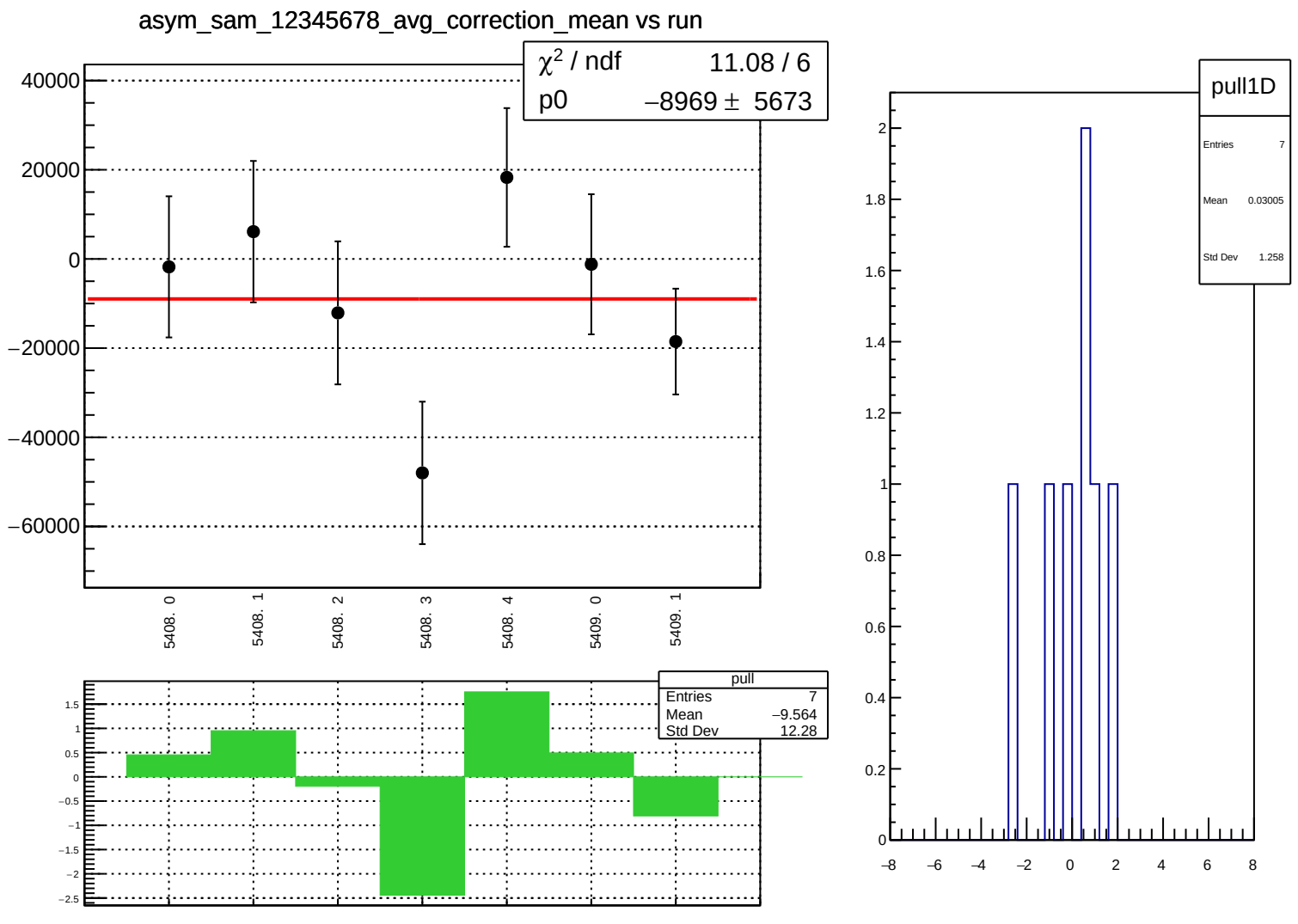

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 11.56 / 6
p0 −3466 ± 2347
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −6.634
Std Dev 9.475
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

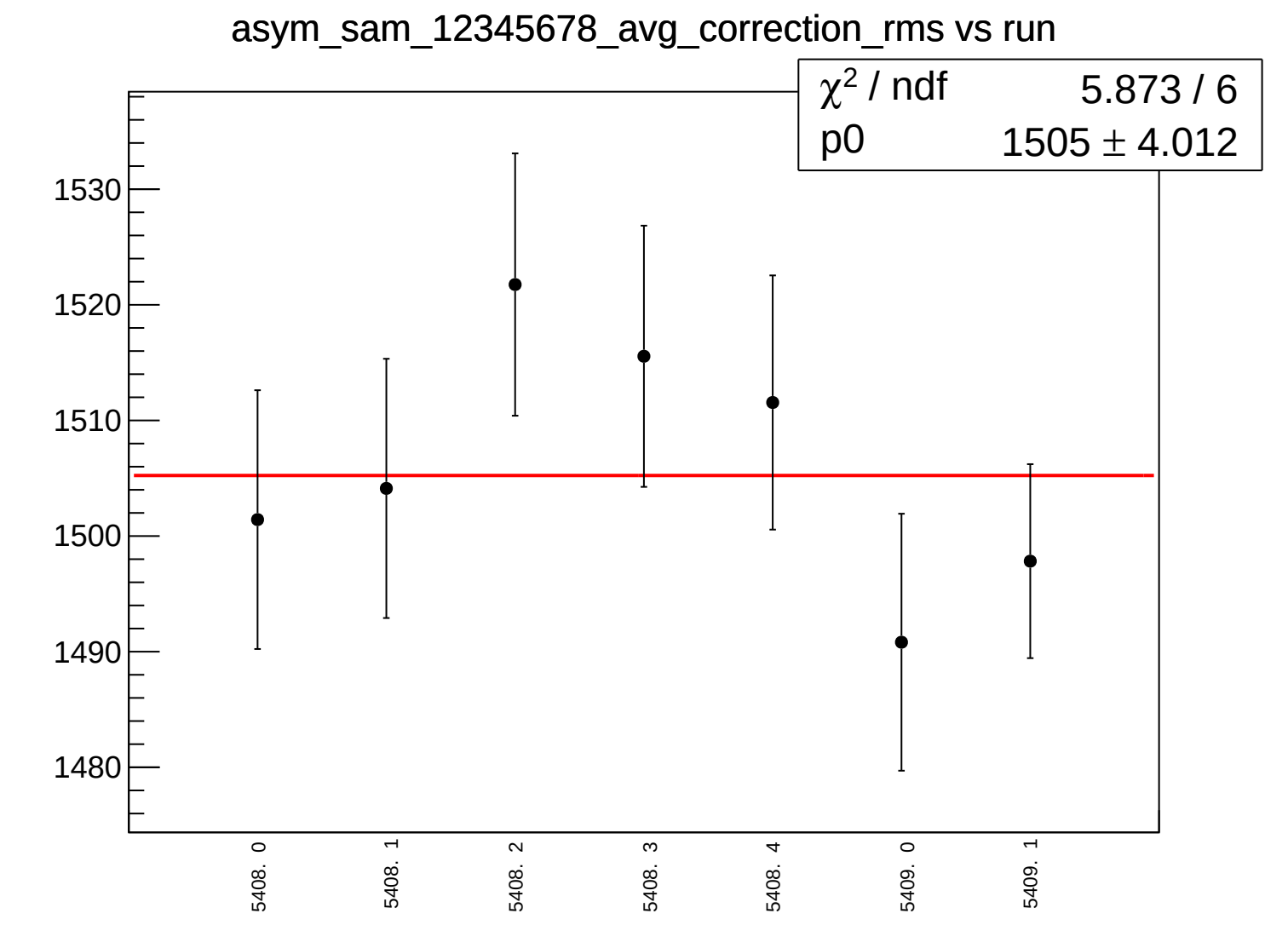

pull1D
Entries 7
Mean 0.03765
Std Dev 1.284
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

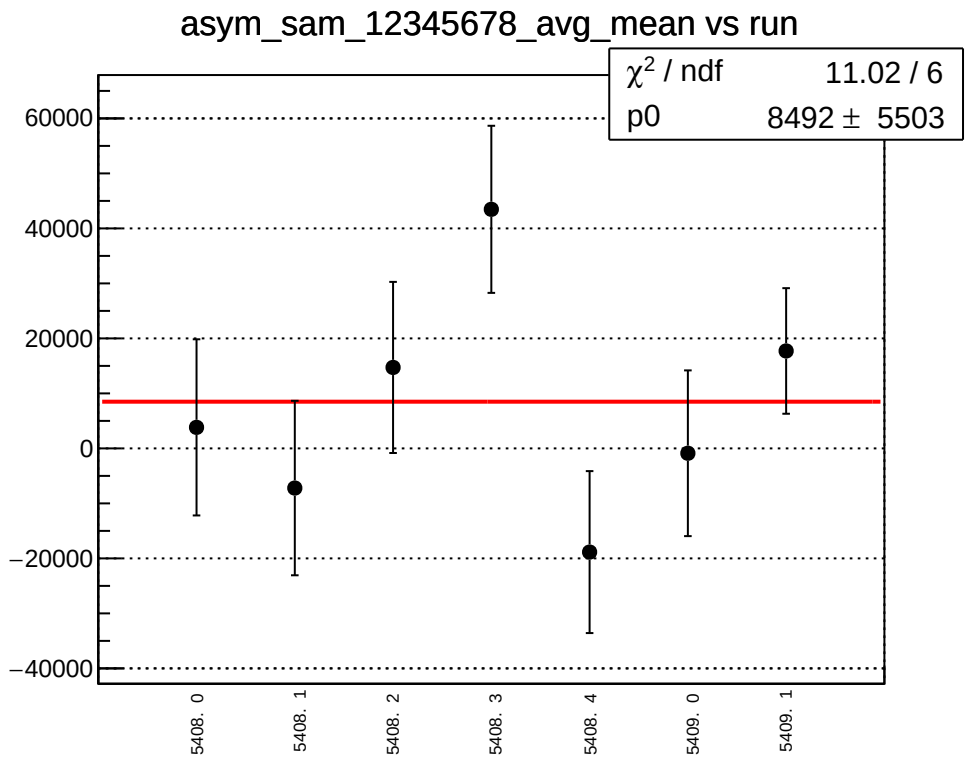

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 27.43 / 6
p0 622.8 ± 1.66
640
635
630
625
620
615
610
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

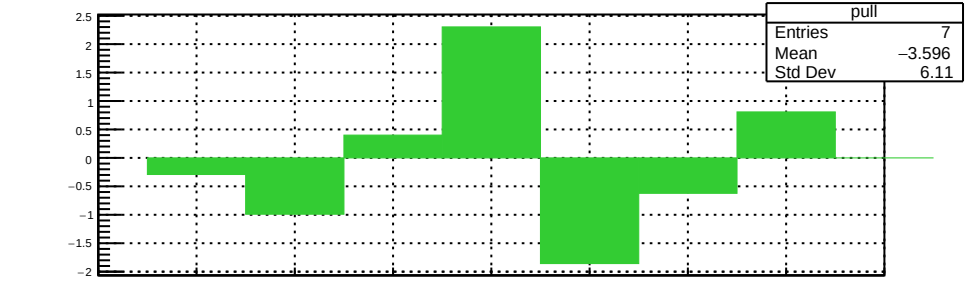

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 6.572 / 6
p0 −637.4 ± 965.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −51.89
Std Dev 54.84
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean 0.0161
Std Dev 0.9688
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

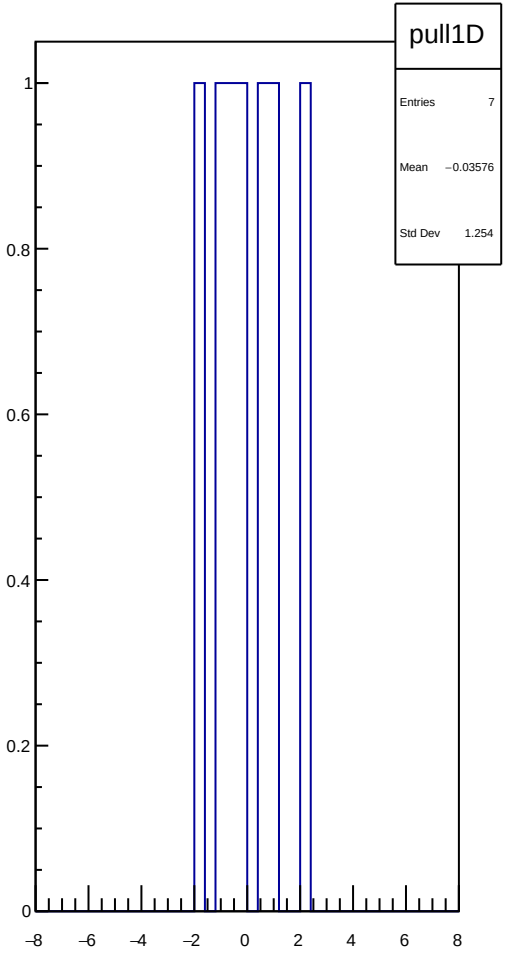

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 128 / 6
p0 256 ± 0.6825
270
265
260
255
250
245
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

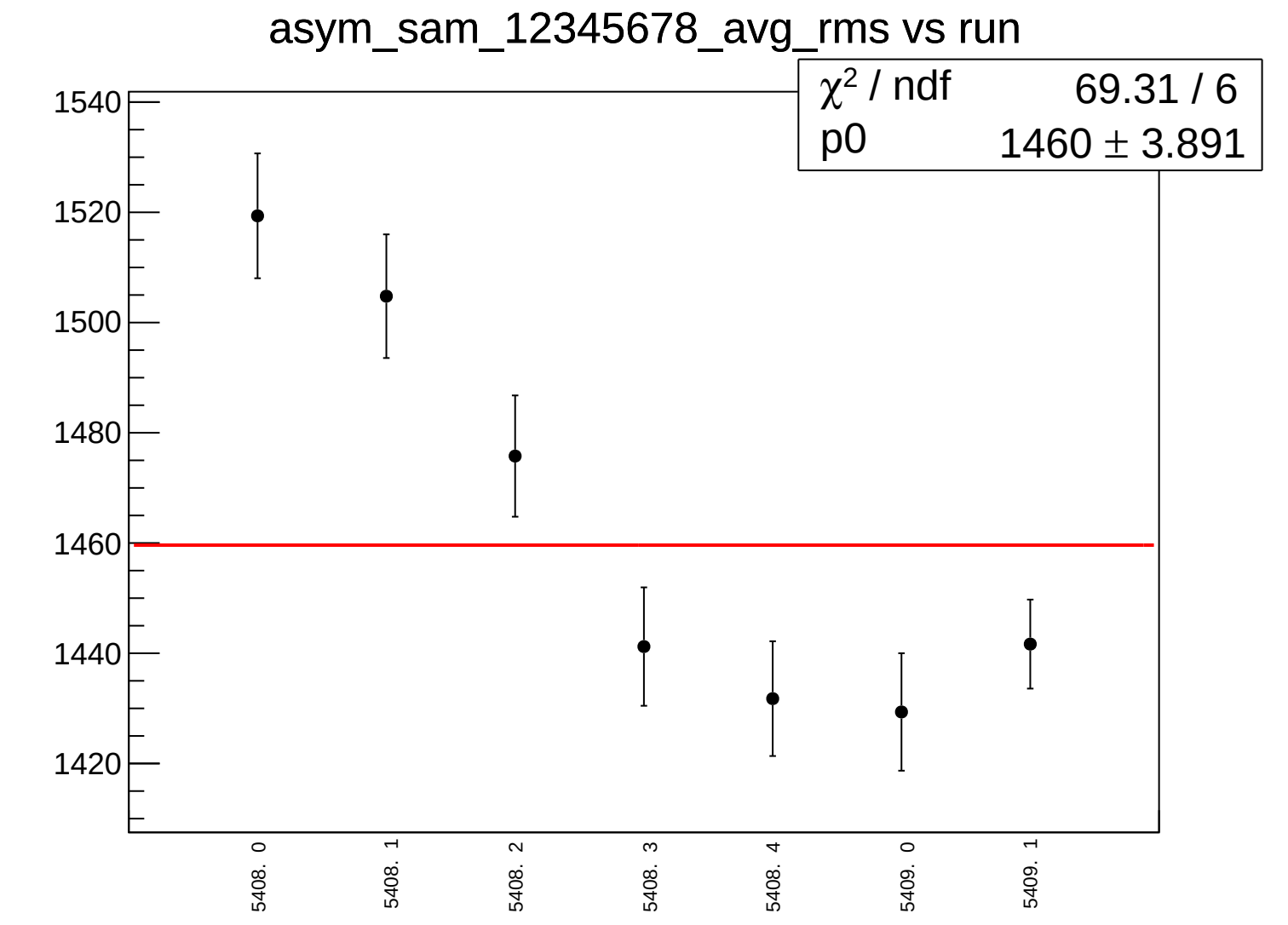

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 11.08 / 6
p0 −8969 ± 5673
40000
20000
0
−20000
−40000
−60000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.564
Std Dev 12.28
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 7
Mean 0.03005
Std Dev 1.258
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

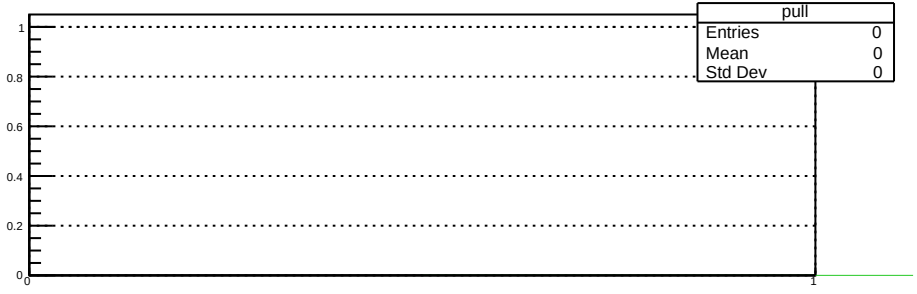

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 5.873 / 6
p0 1505 ± 4.012
1530
1520
1510
1500
1490
1480
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

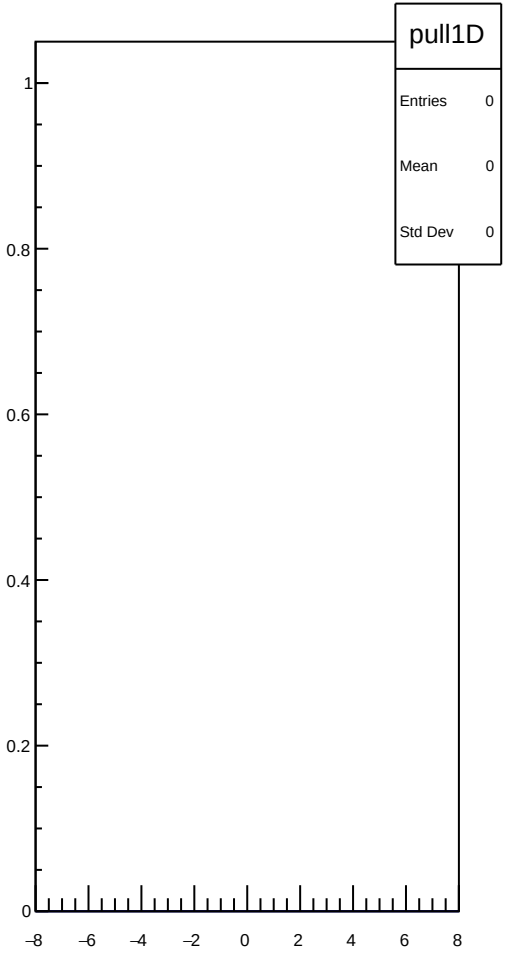

asym_sam_12345678_avg_mean vs run
χ² / ndf 11.02 / 6
p0 8492 ± 5503
60000
40000
20000
0
−20000
−40000
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

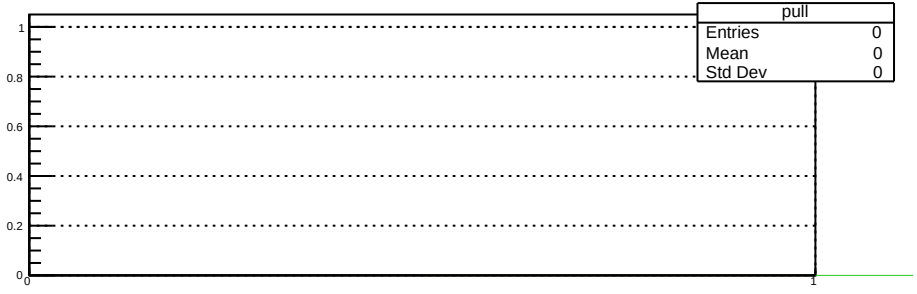

pull
Entries 7
Mean −3.596
Std Dev 6.11
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

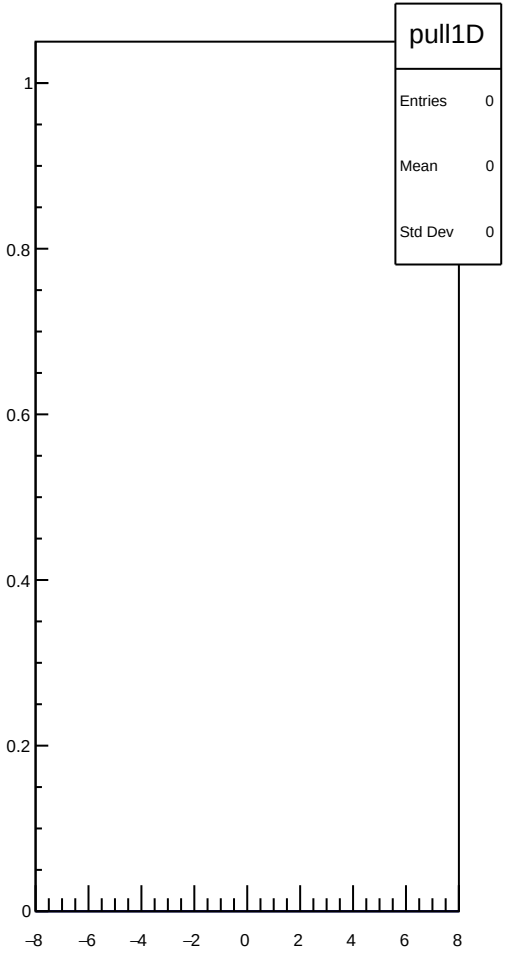

pull1D
Entries 7
Mean −0.03576
Std Dev 1.254
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

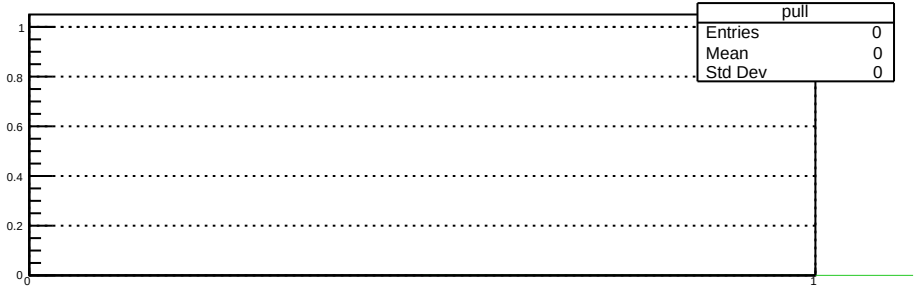

asym_sam_12345678_avg_rms vs run
χ² / ndf 69.31 / 6
p0 1460 ± 3.891
1540
1520
1500
1480
1460
1440
1420
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

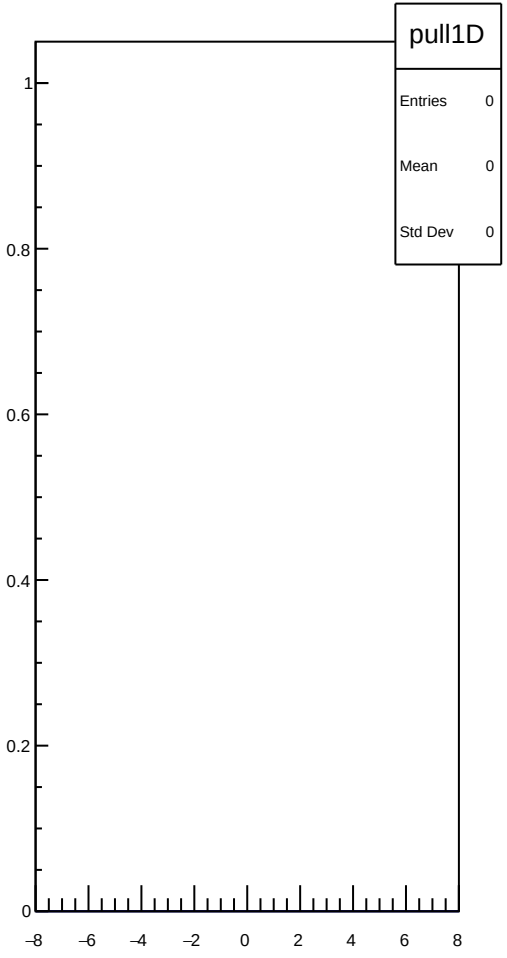

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

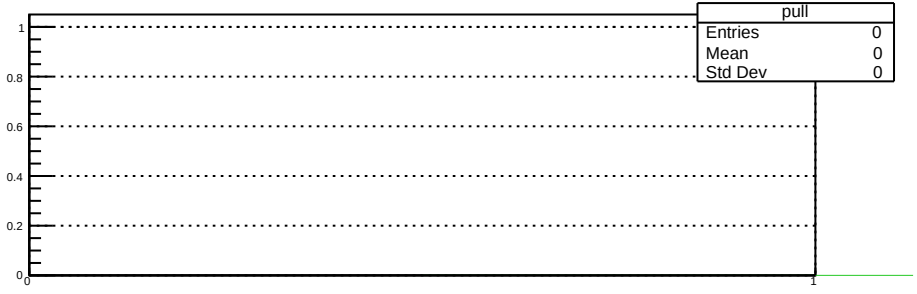

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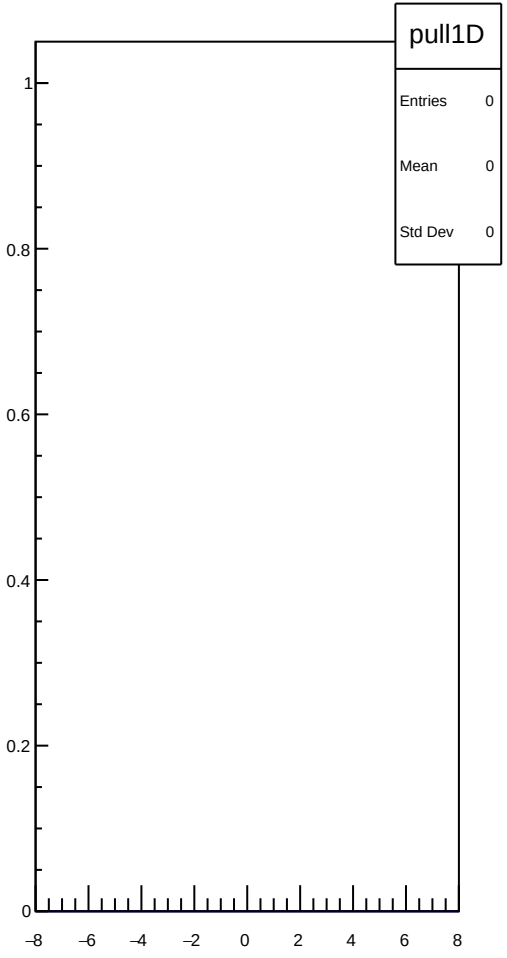

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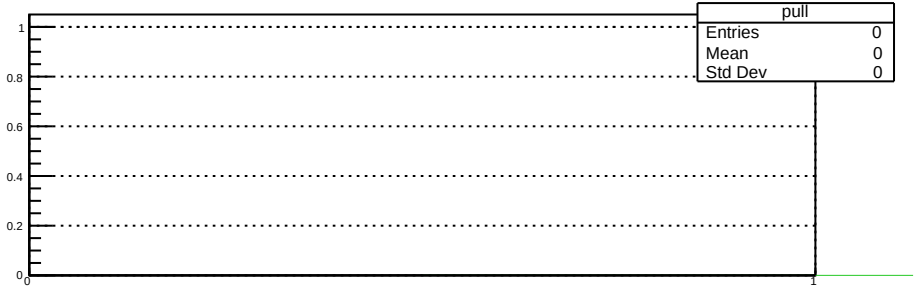

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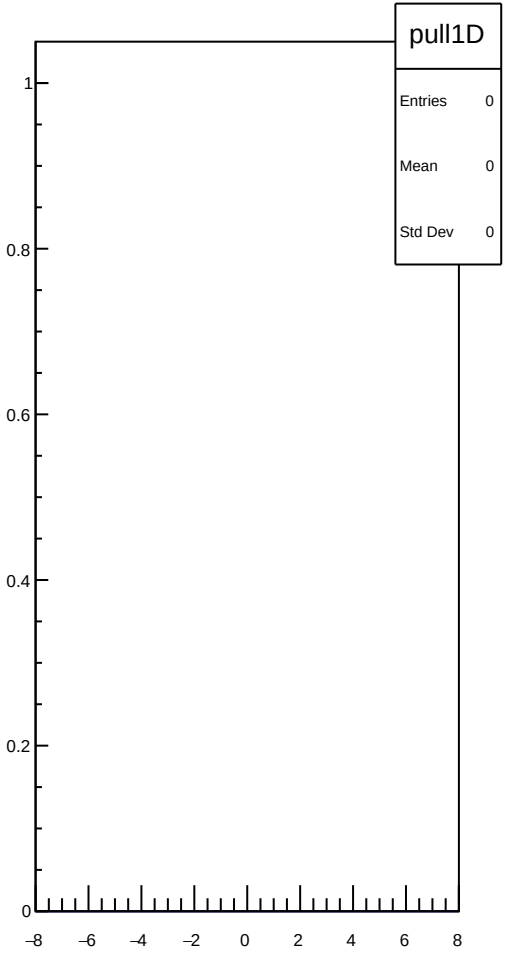

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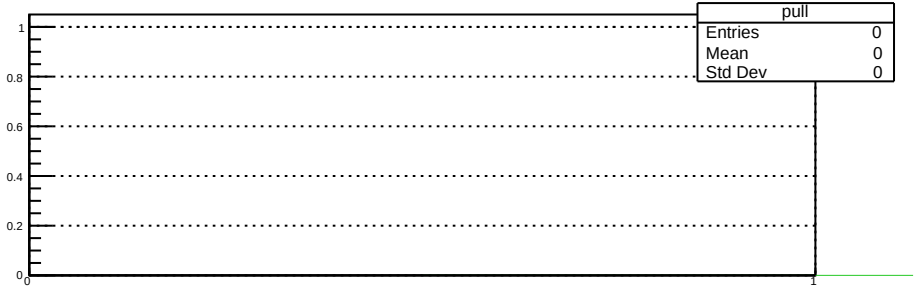

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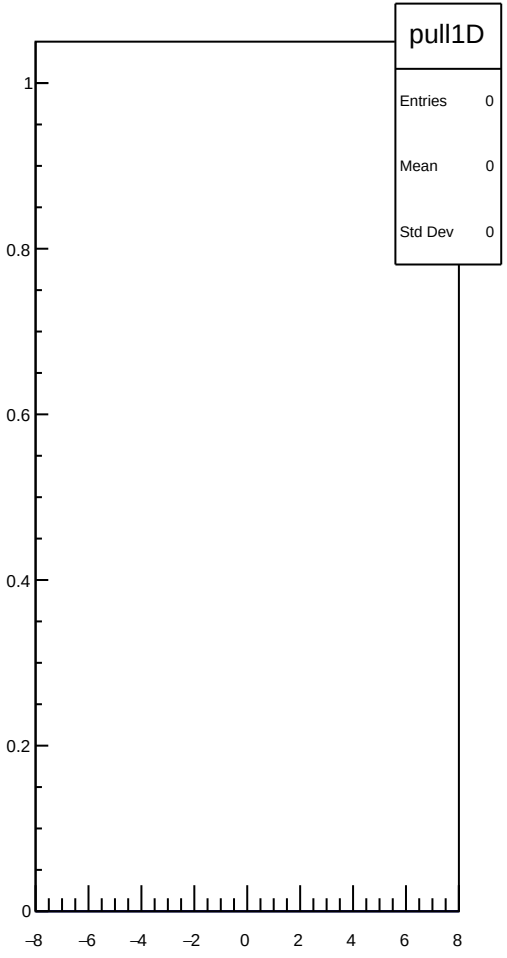

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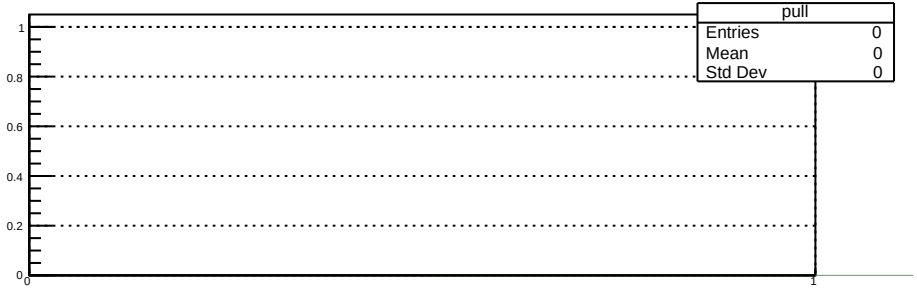

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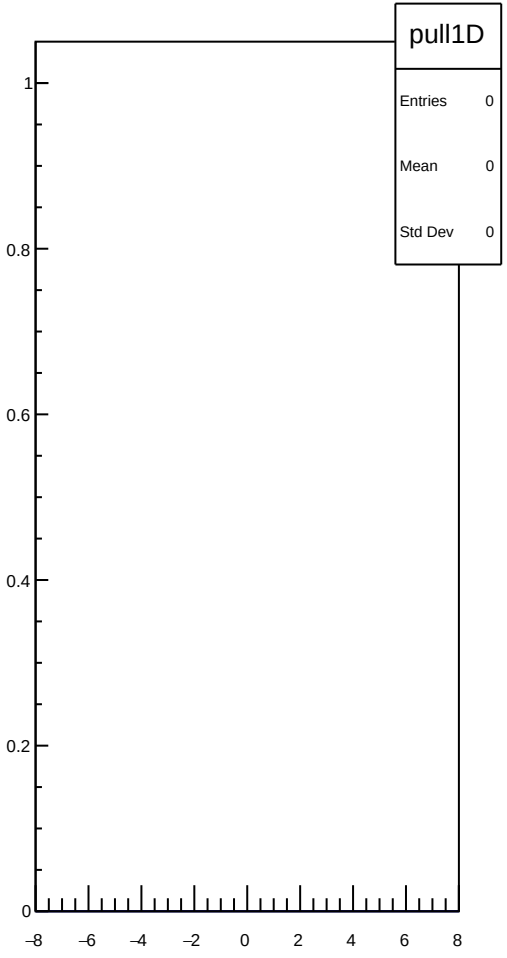

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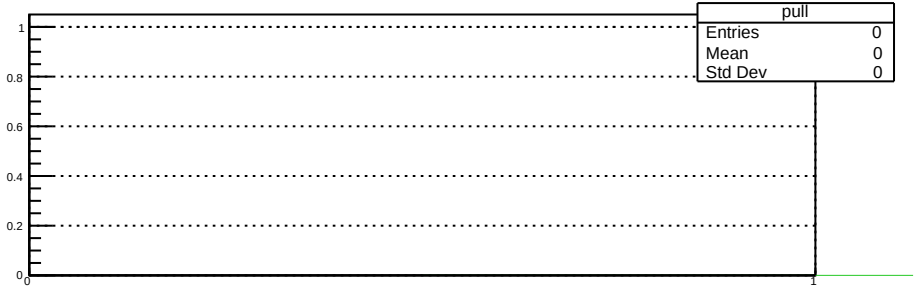

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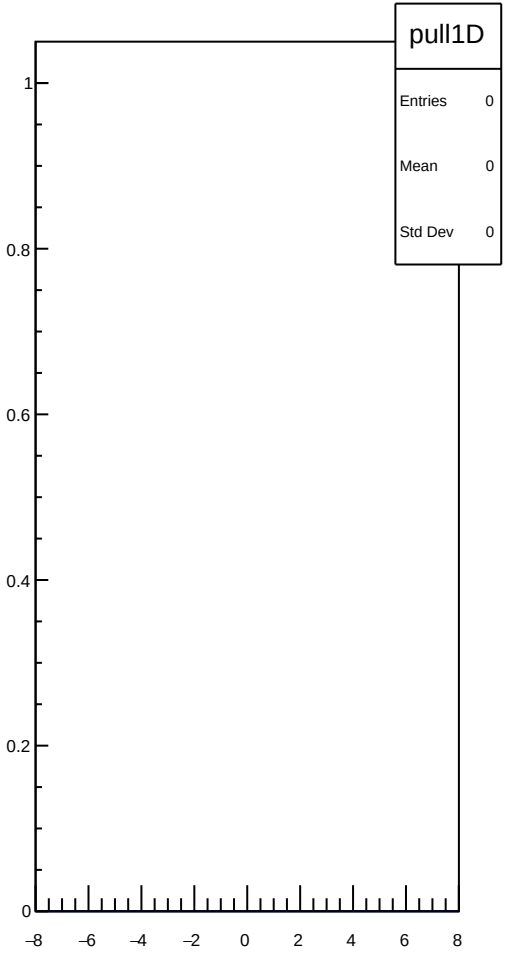

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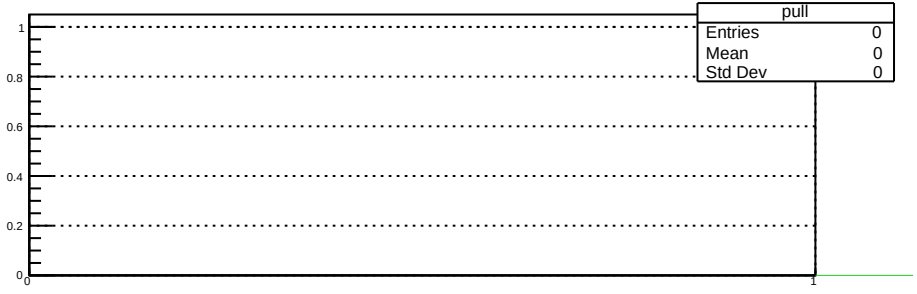

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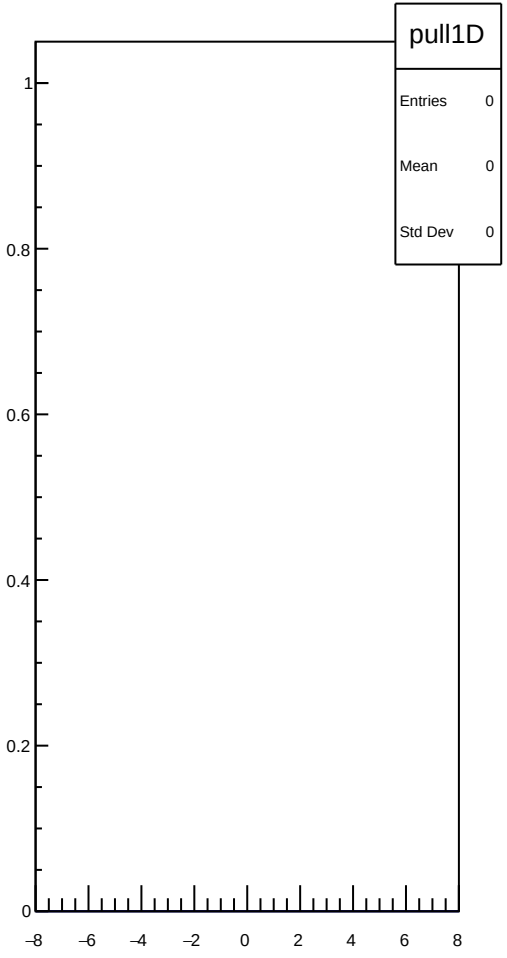

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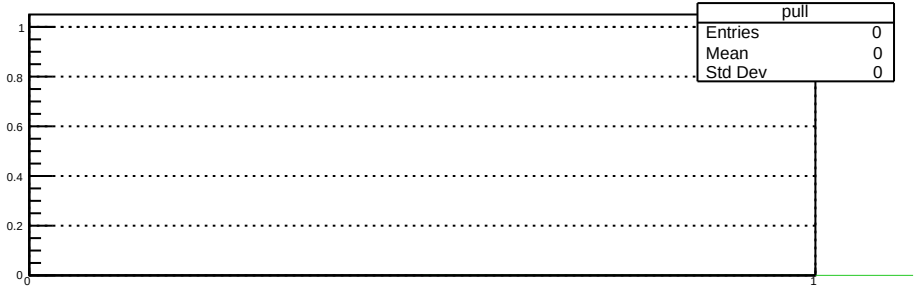

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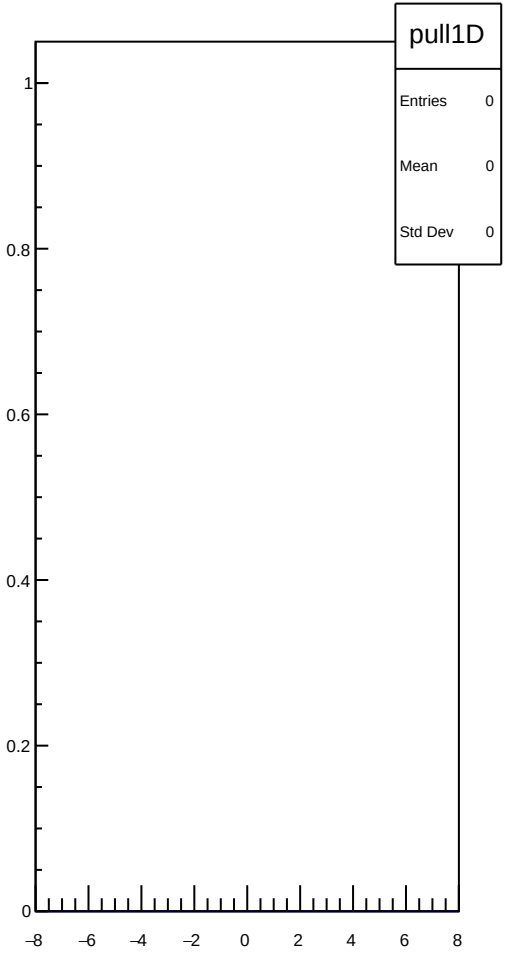

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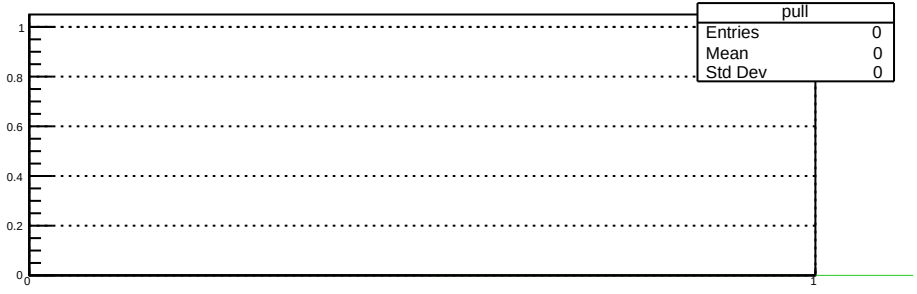

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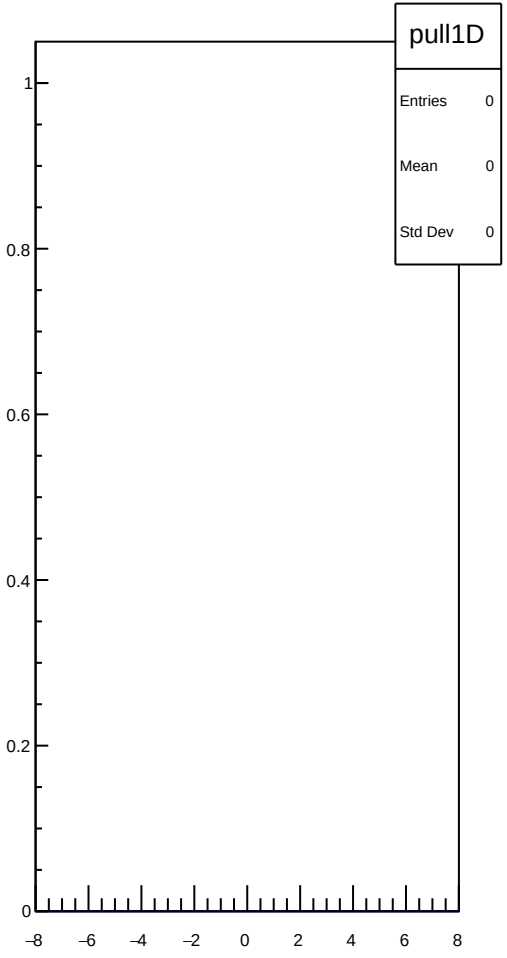

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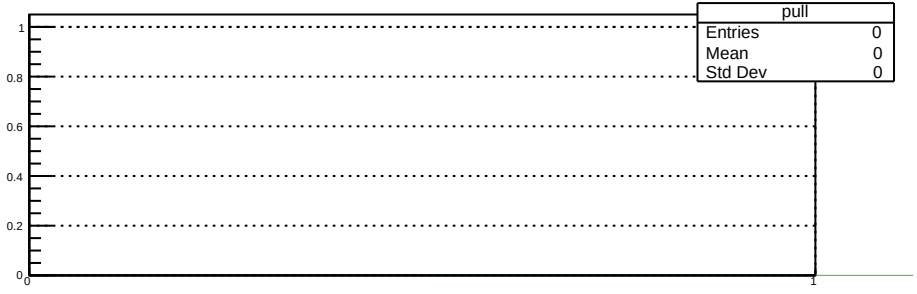

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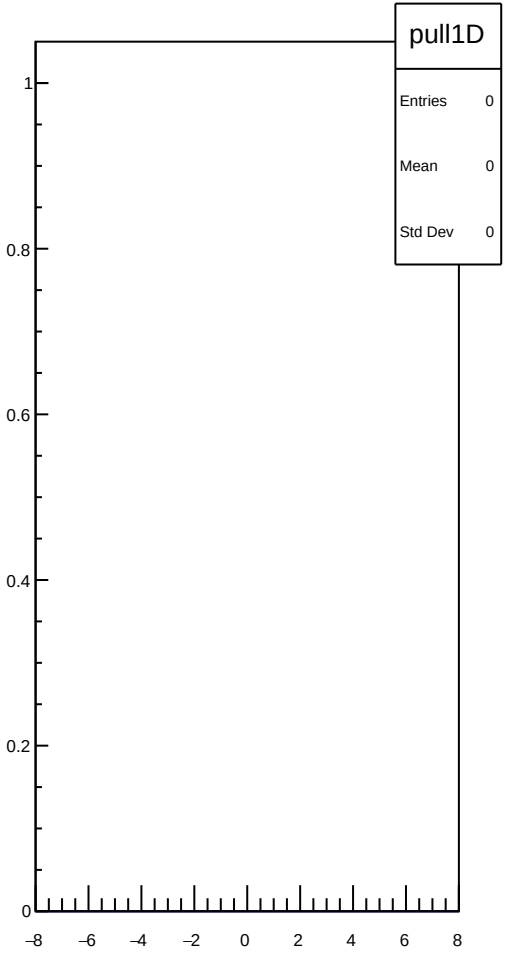

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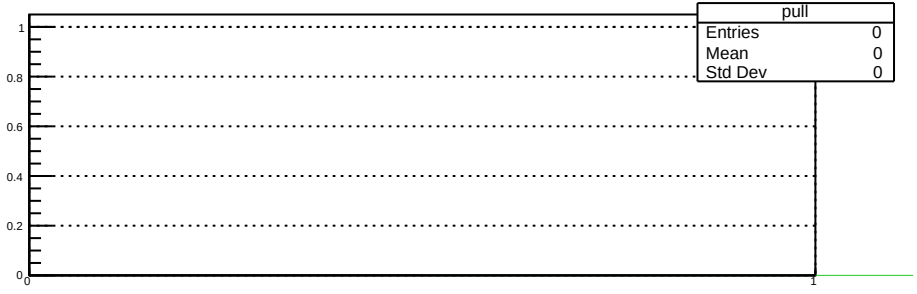

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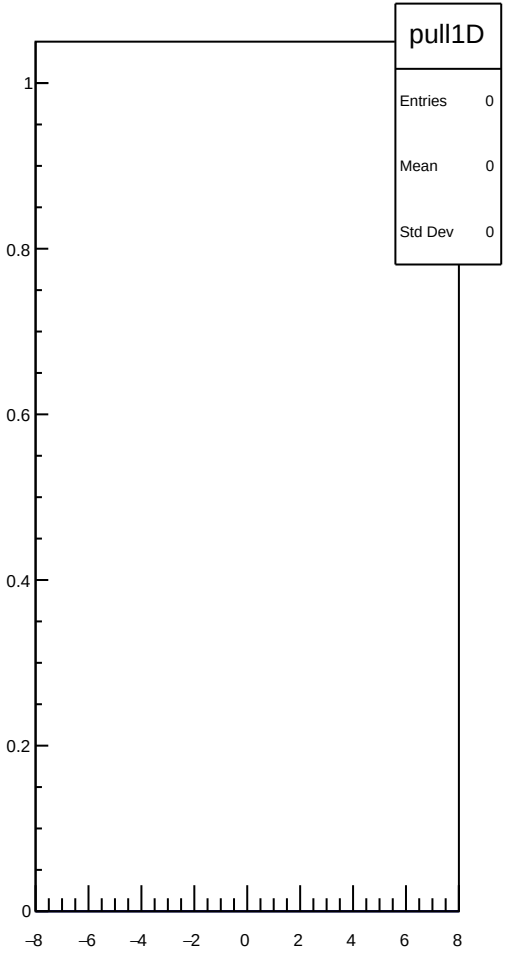

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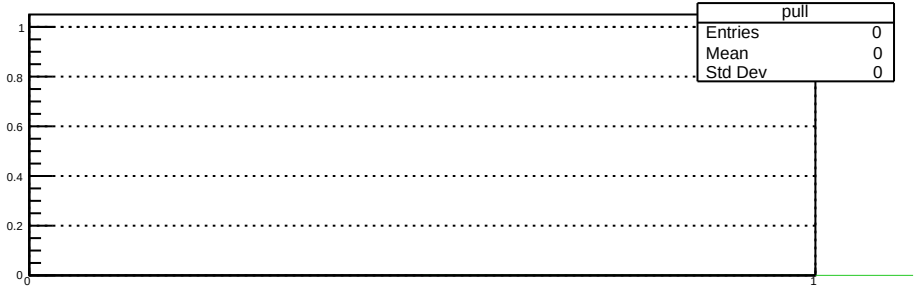

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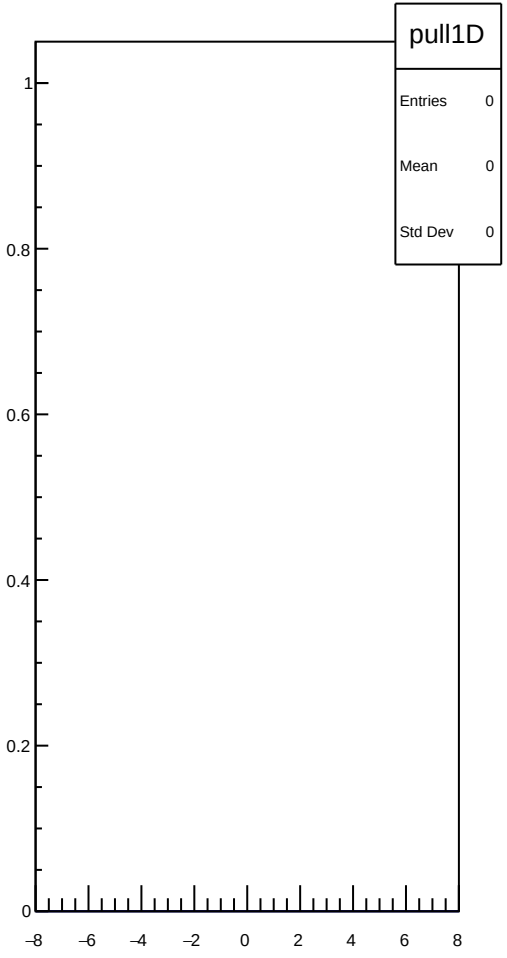

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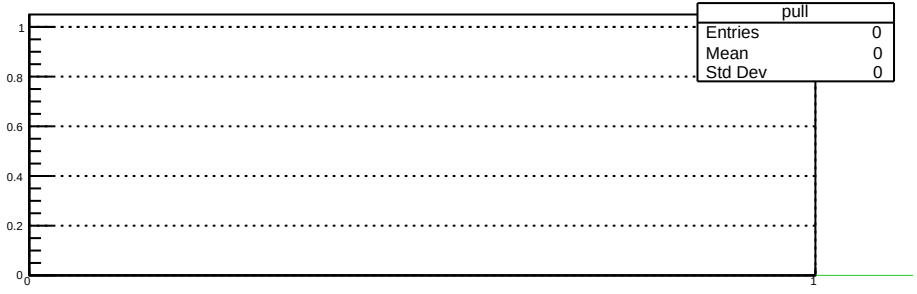

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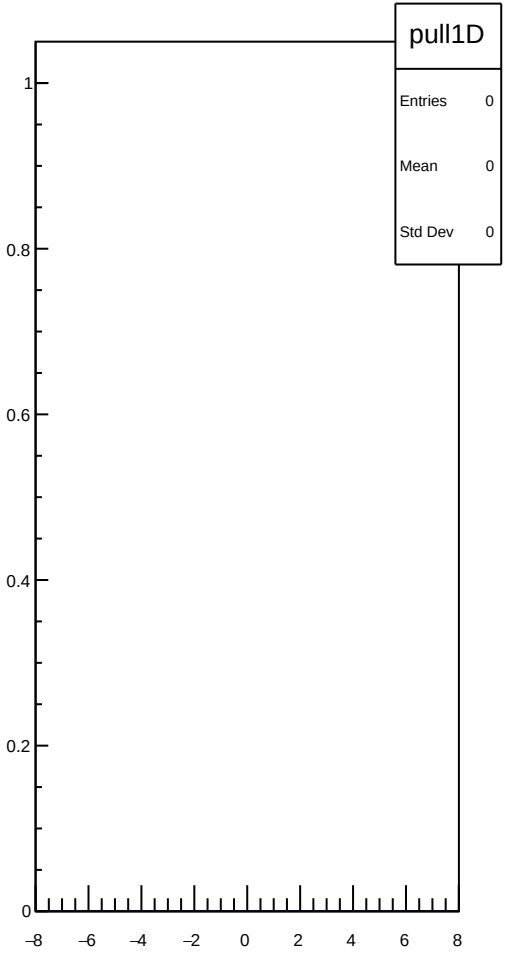

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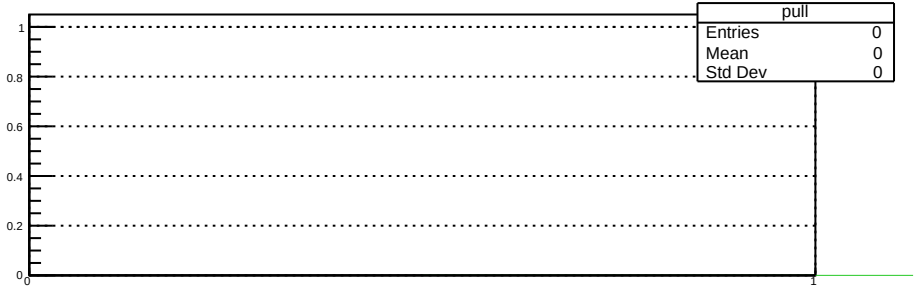

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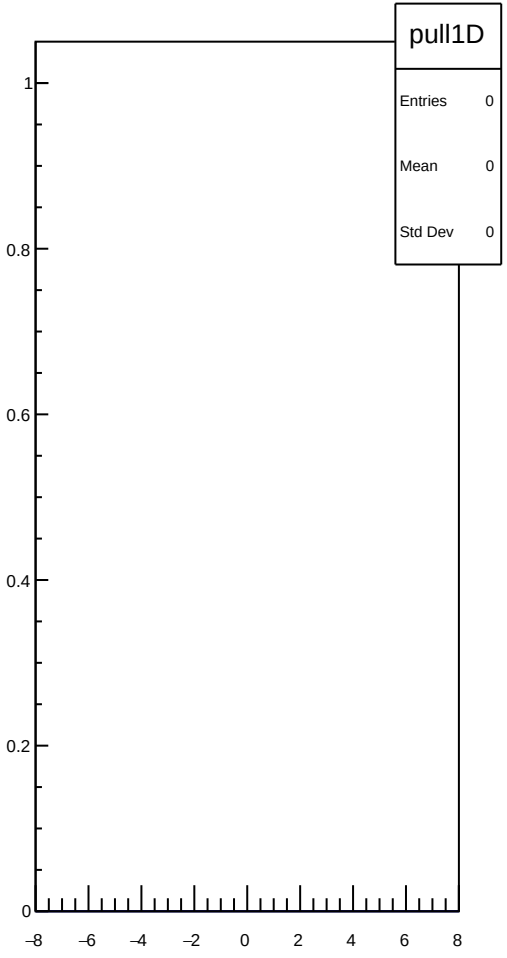

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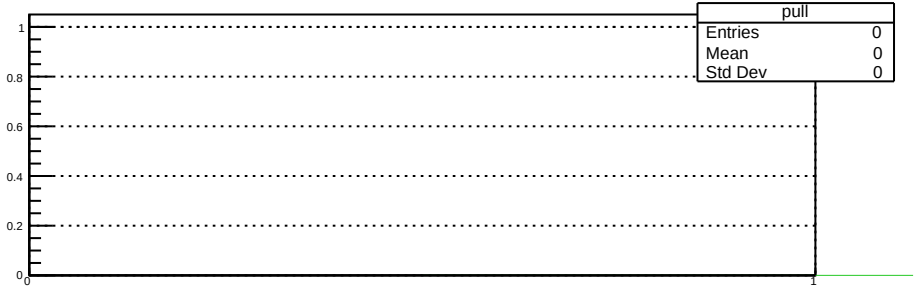

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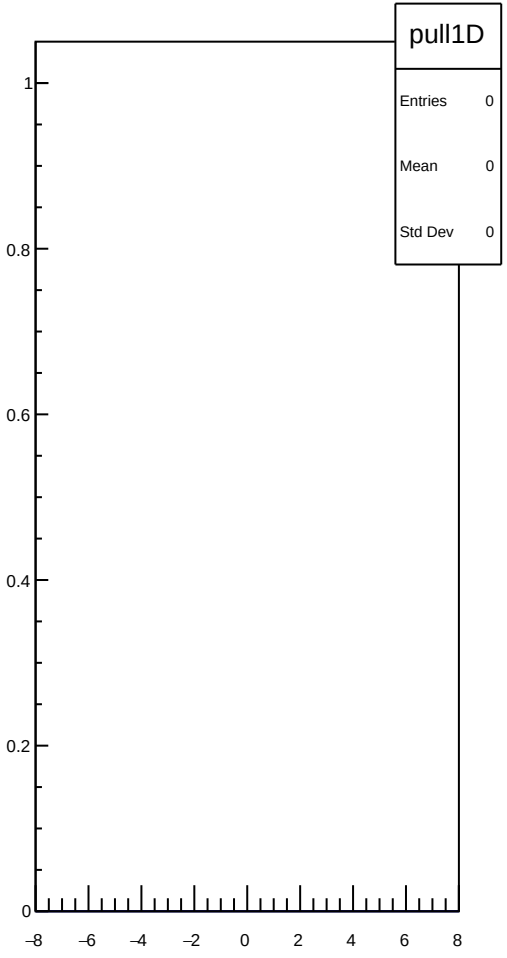

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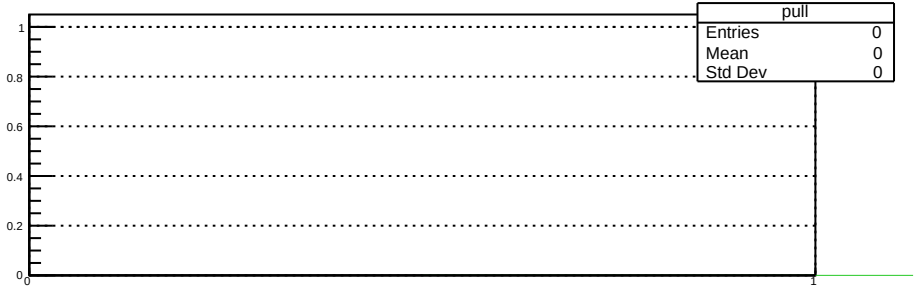

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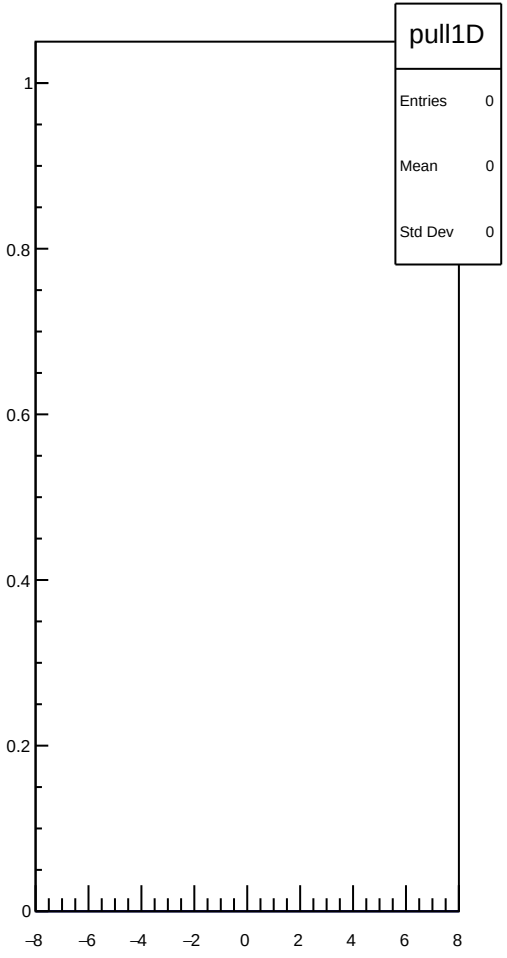

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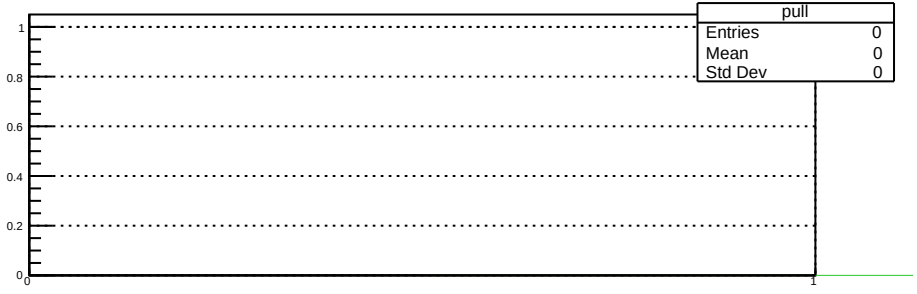

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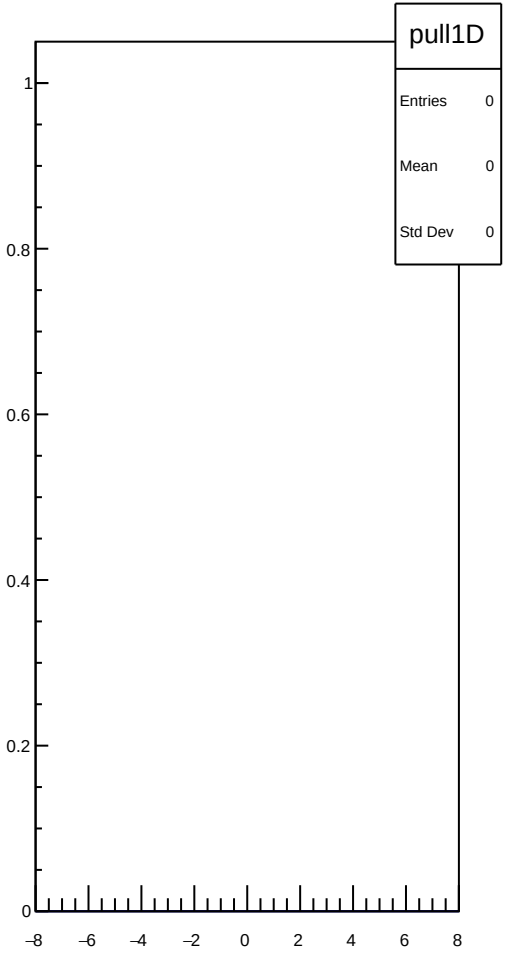

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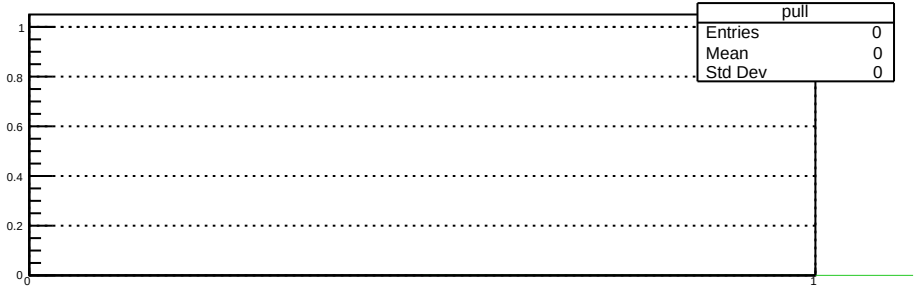

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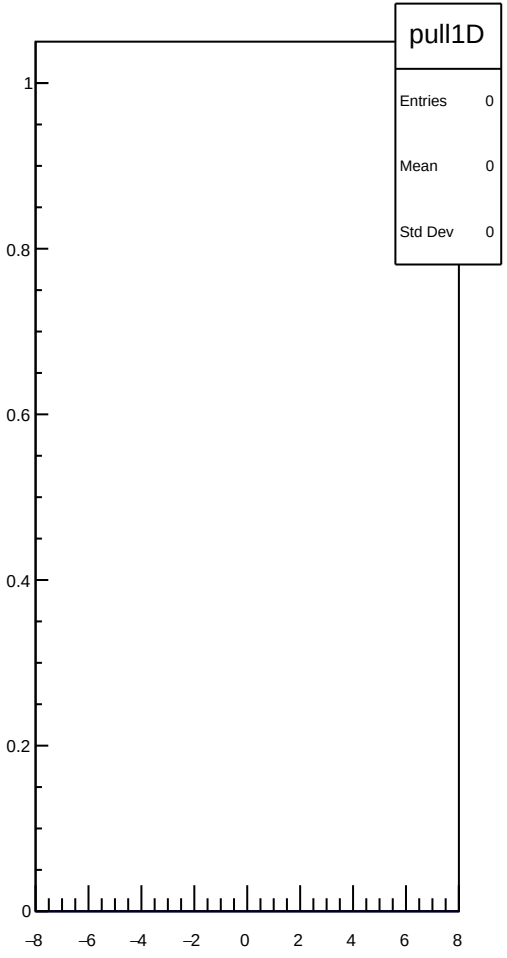

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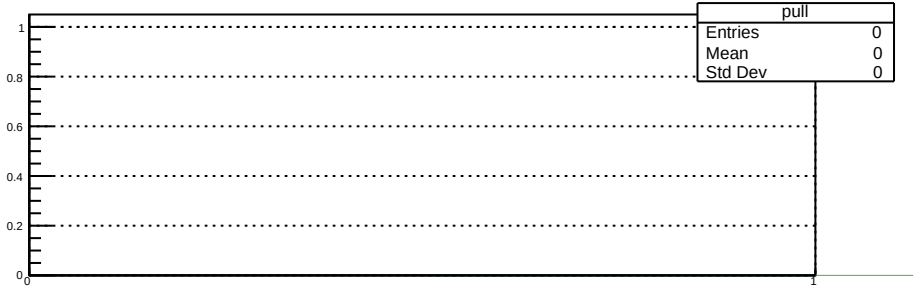

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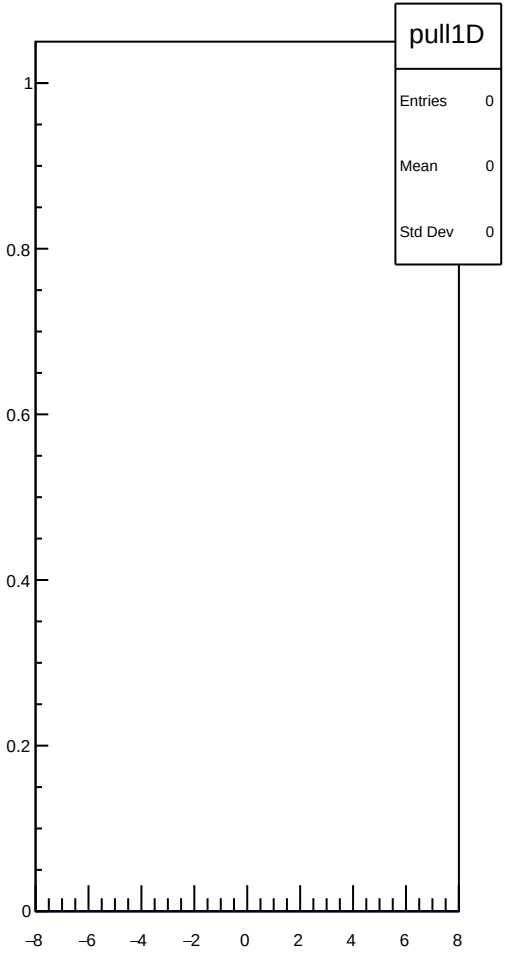

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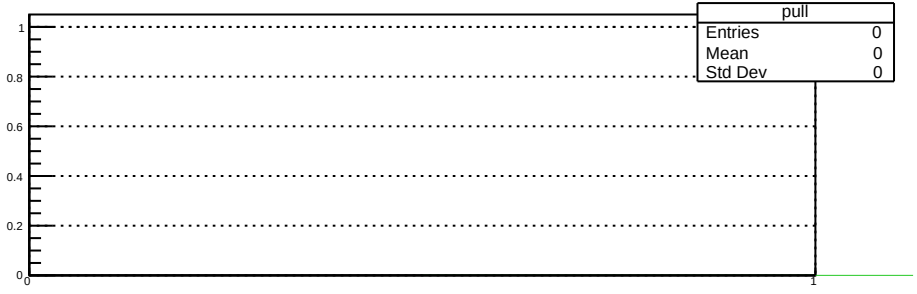

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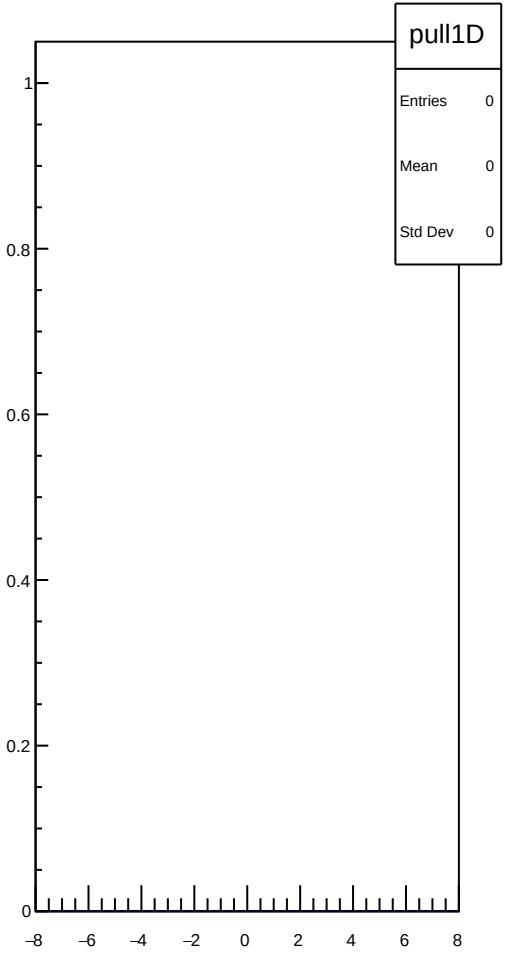

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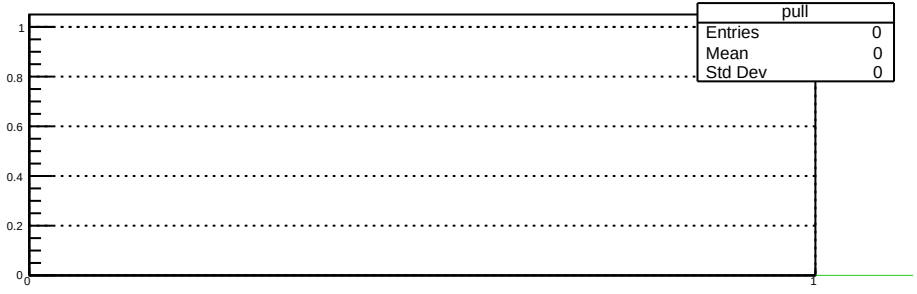

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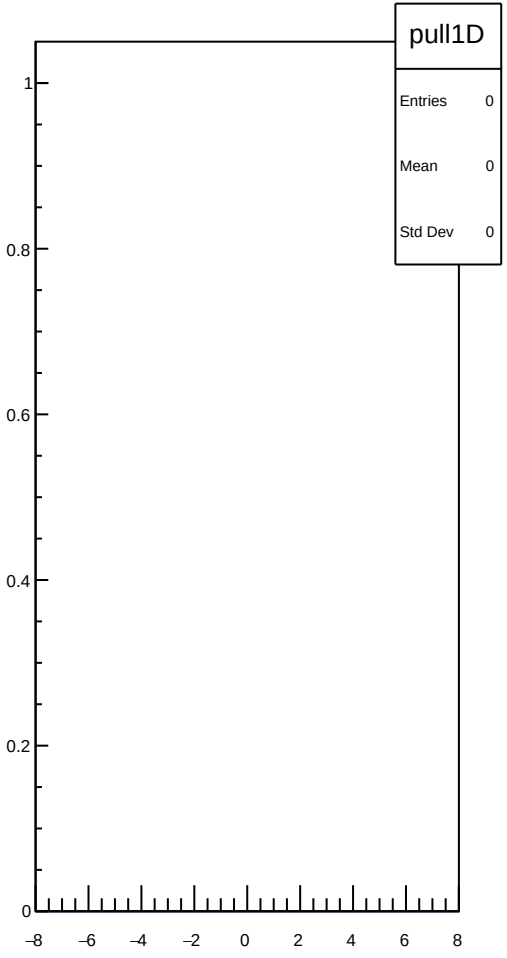

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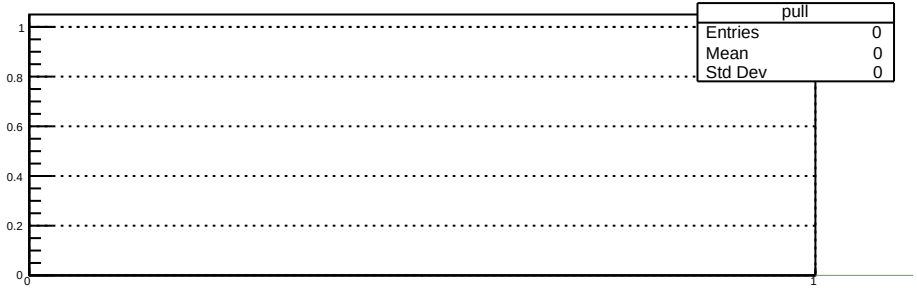

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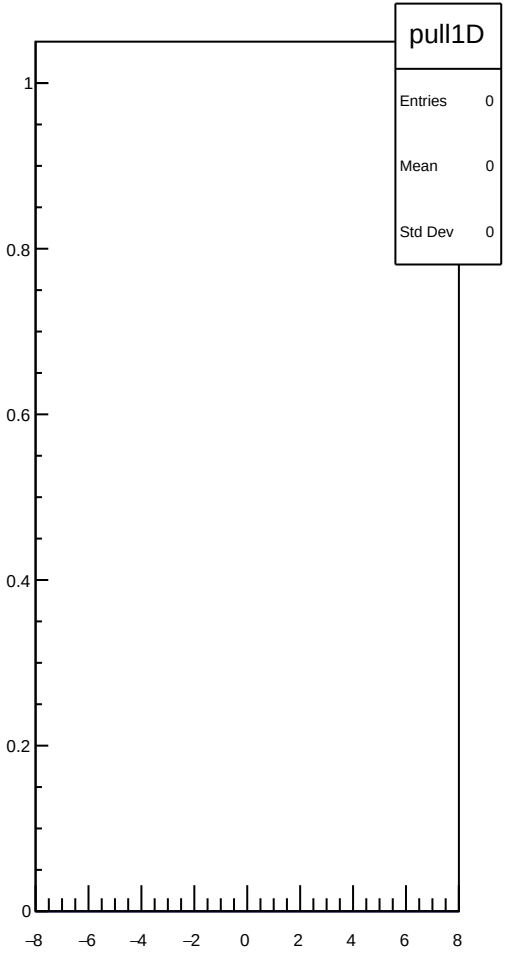

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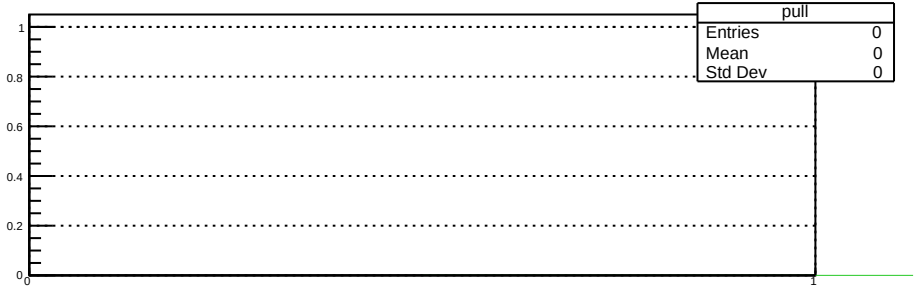

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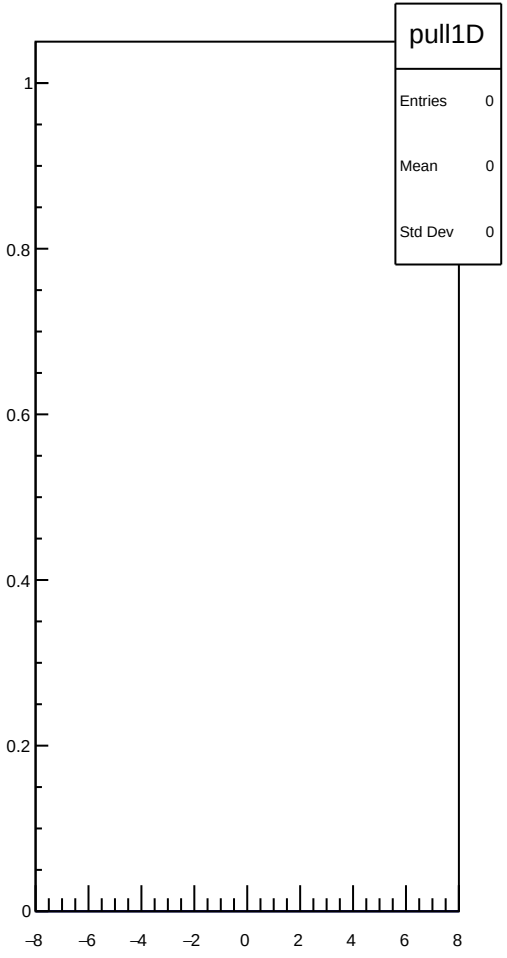

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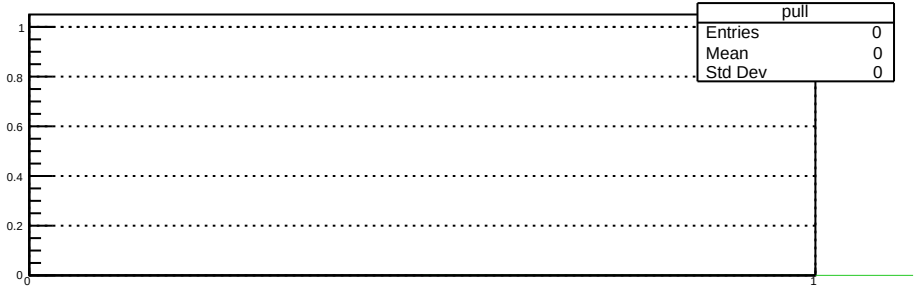

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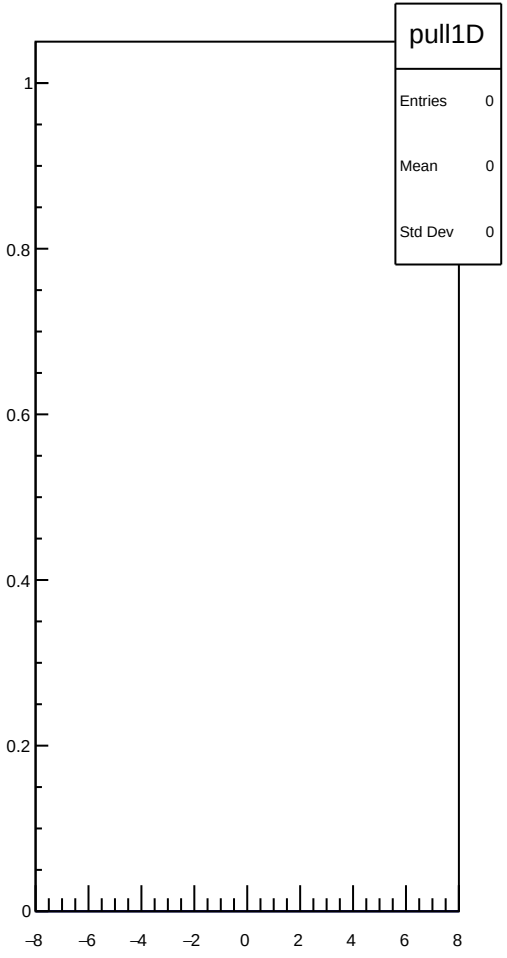

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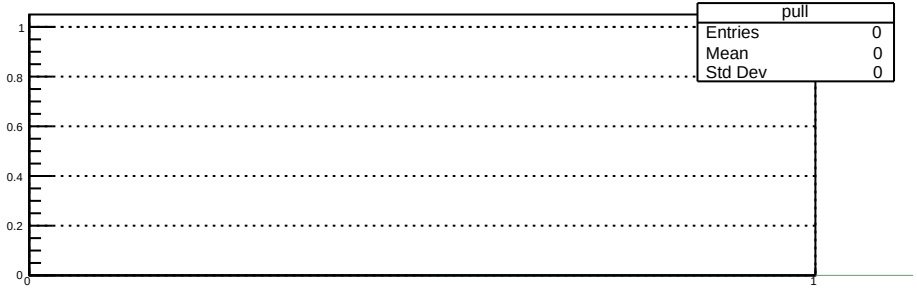

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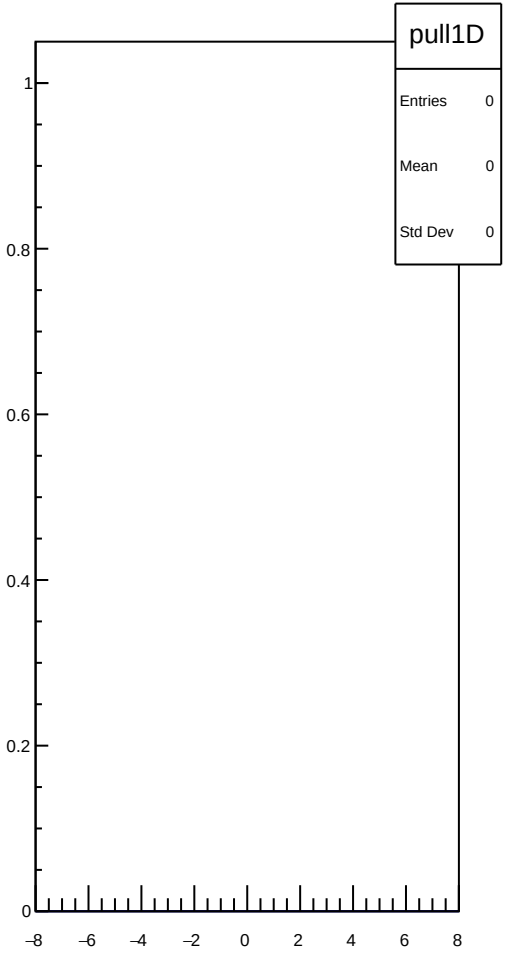

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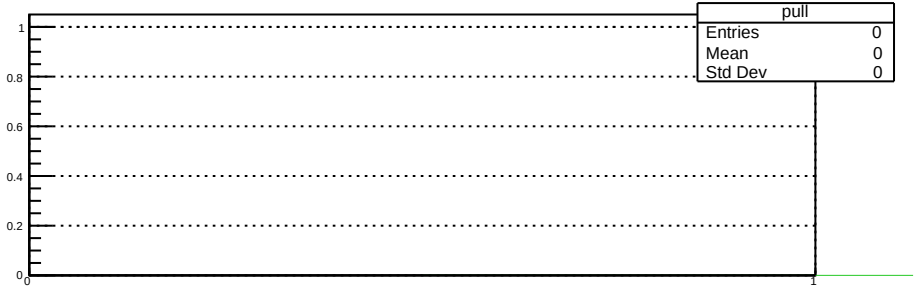

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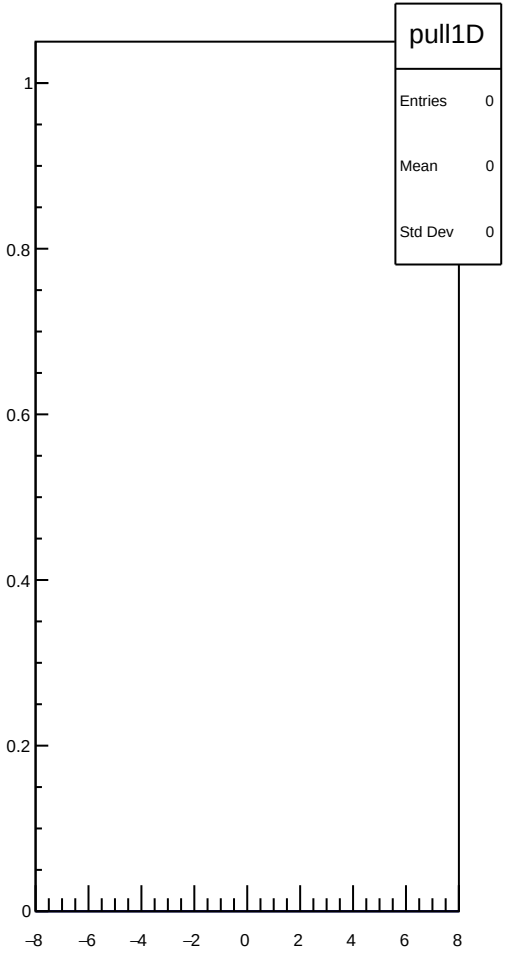

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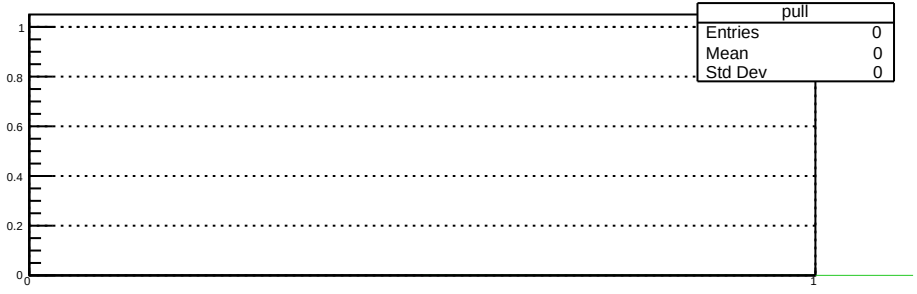

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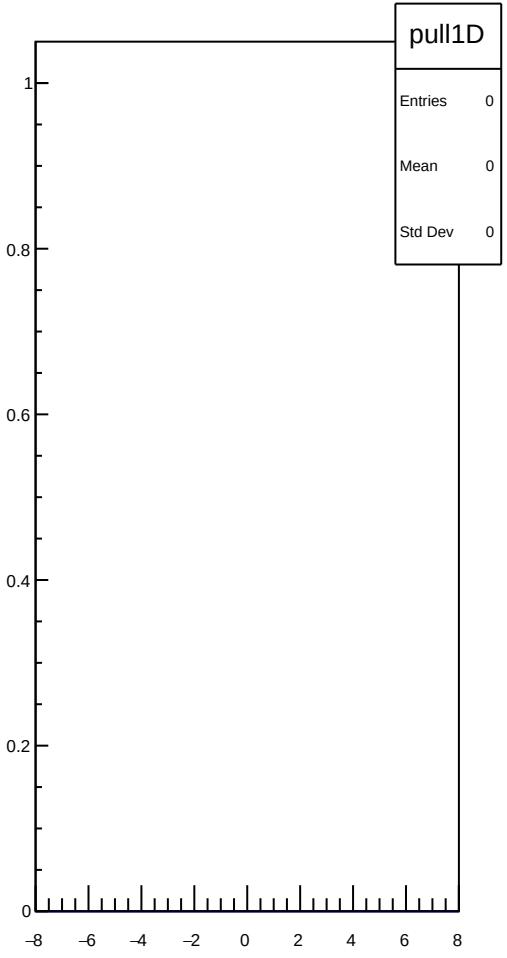

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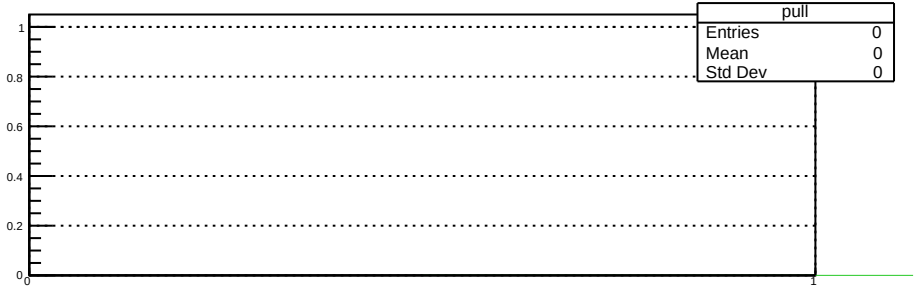

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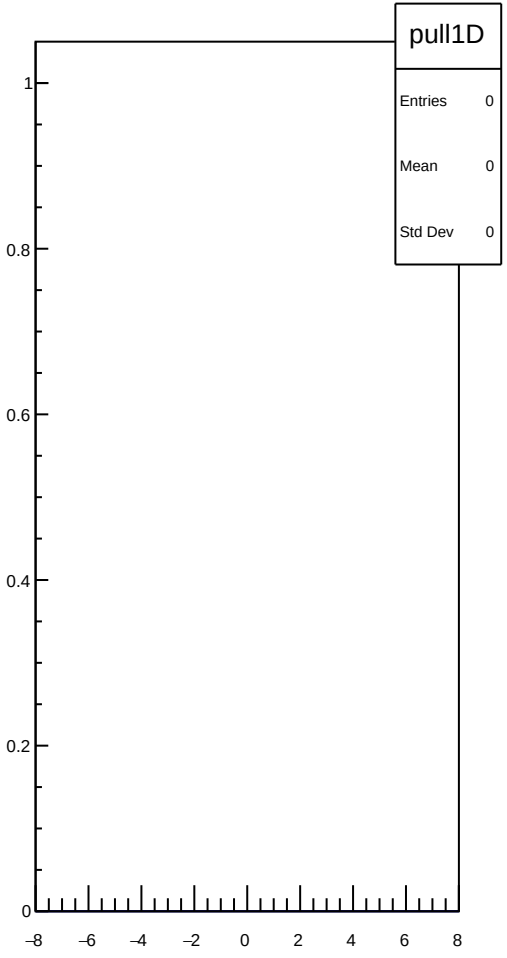

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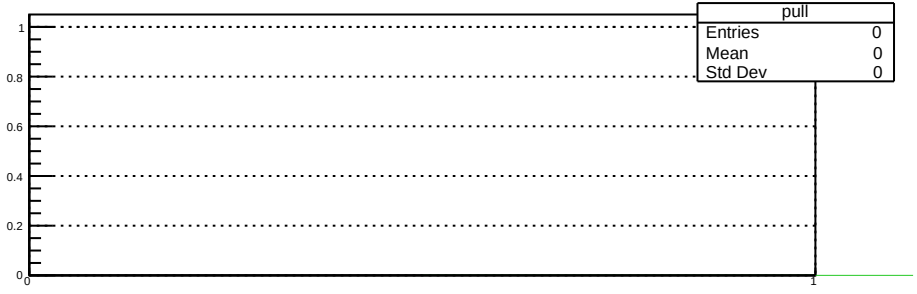

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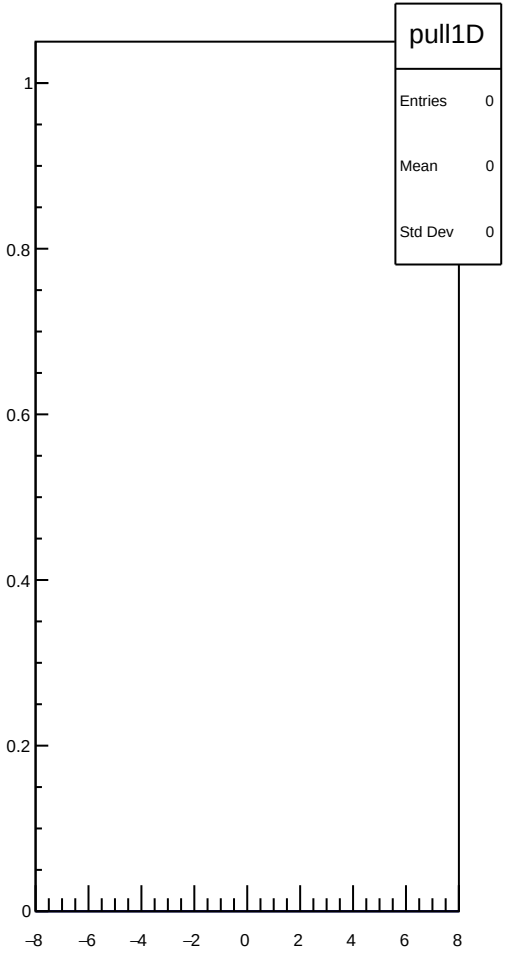

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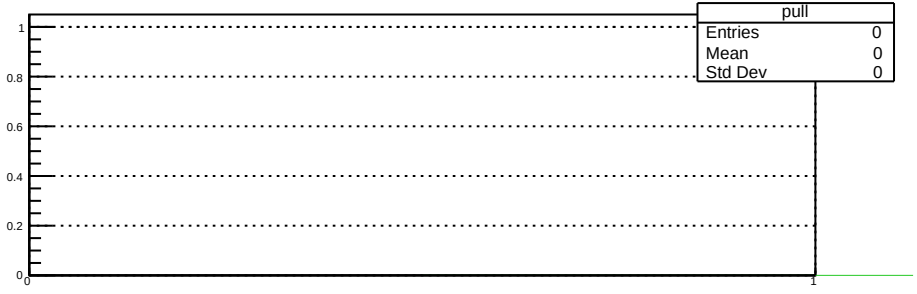

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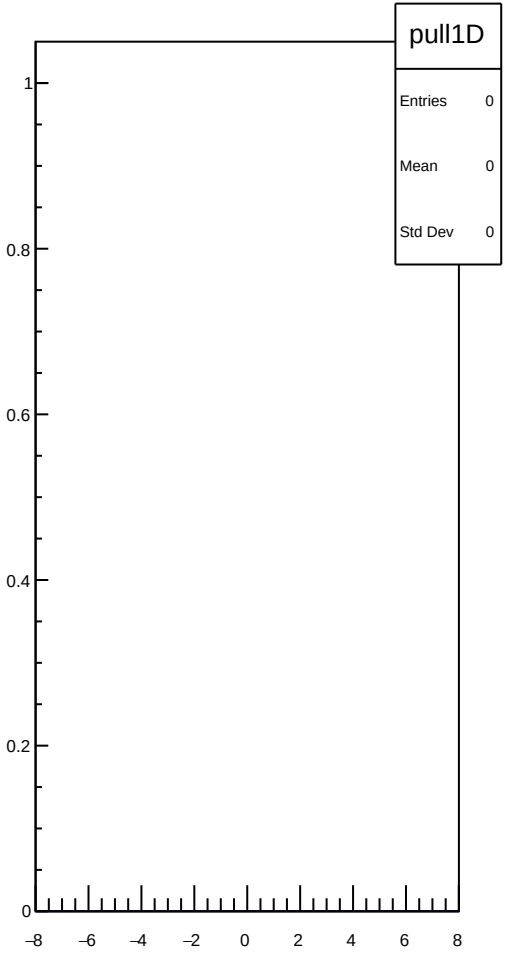

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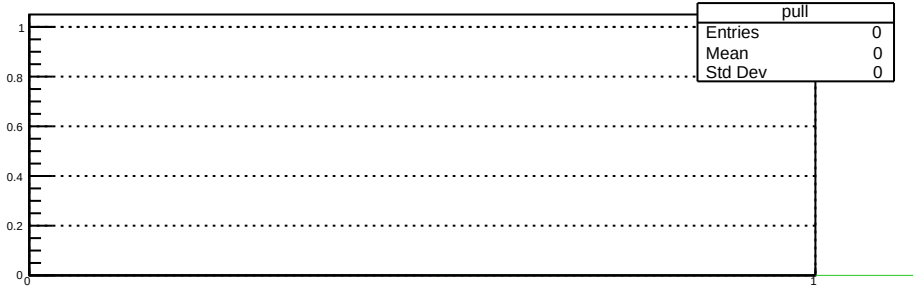

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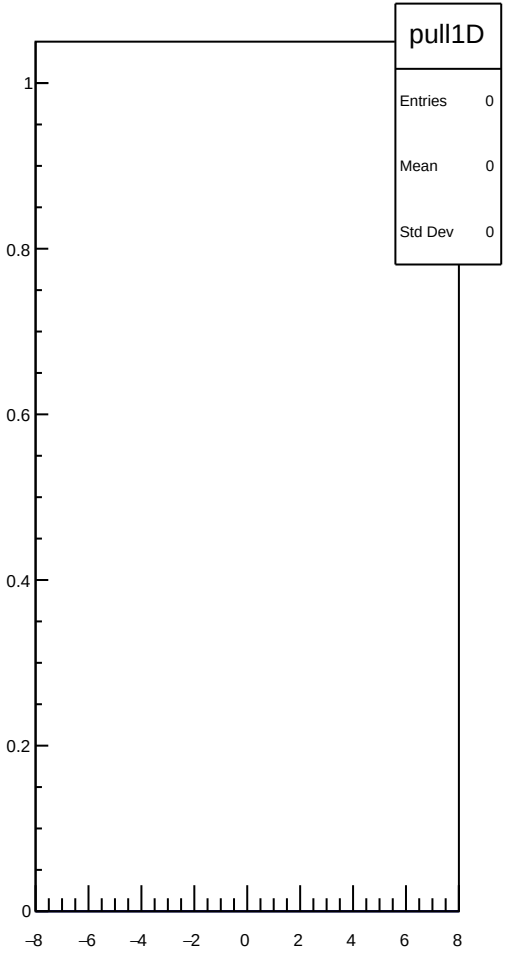

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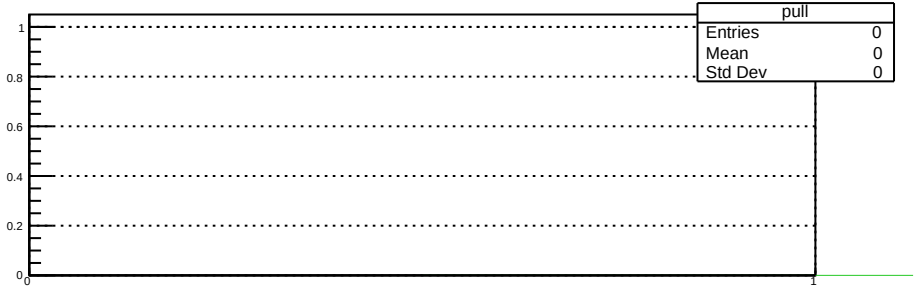

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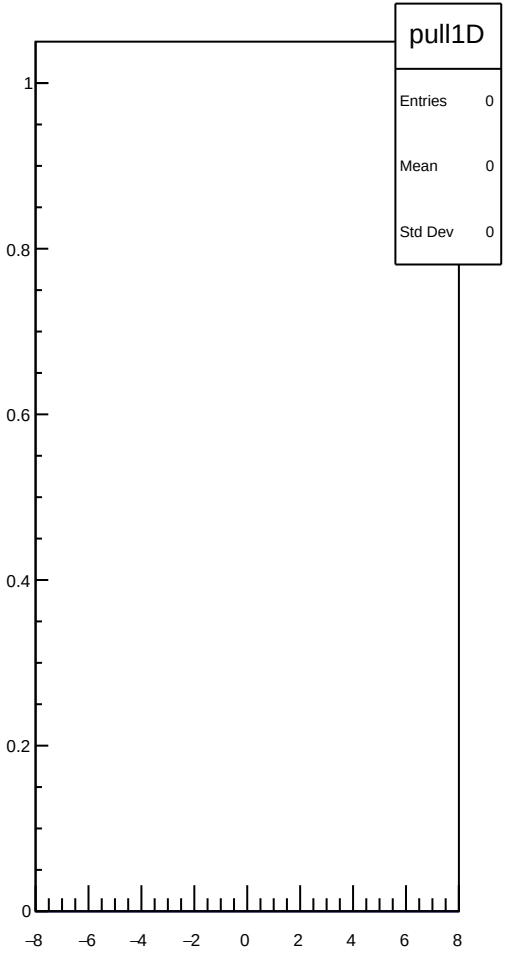

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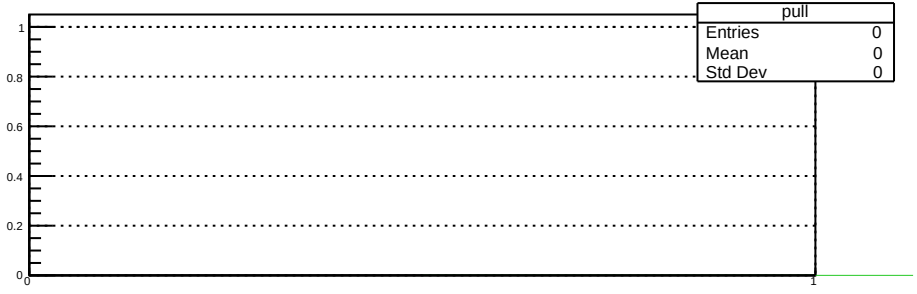

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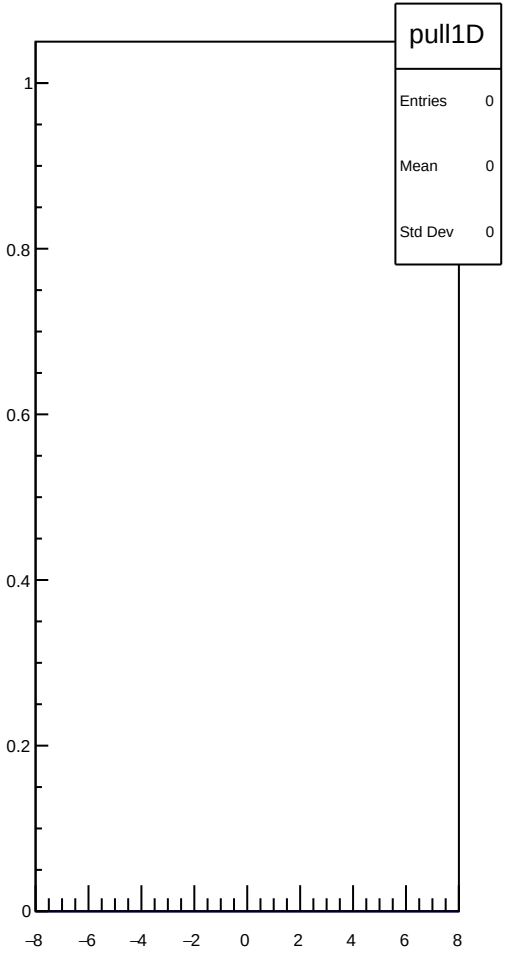

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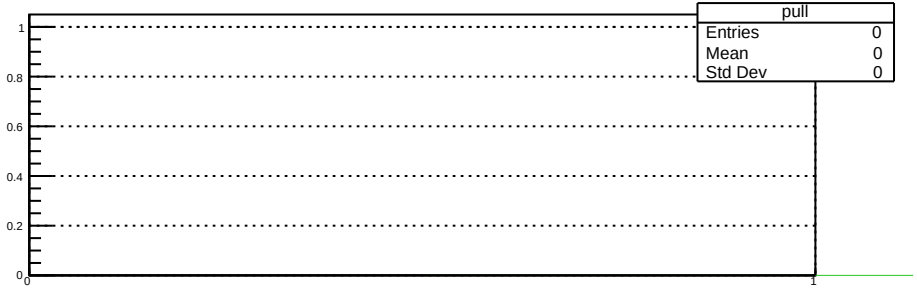

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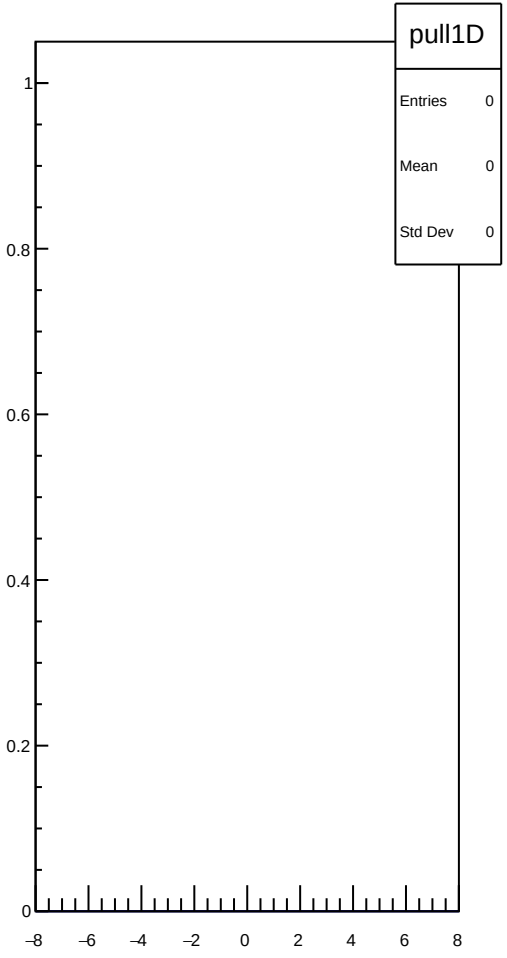

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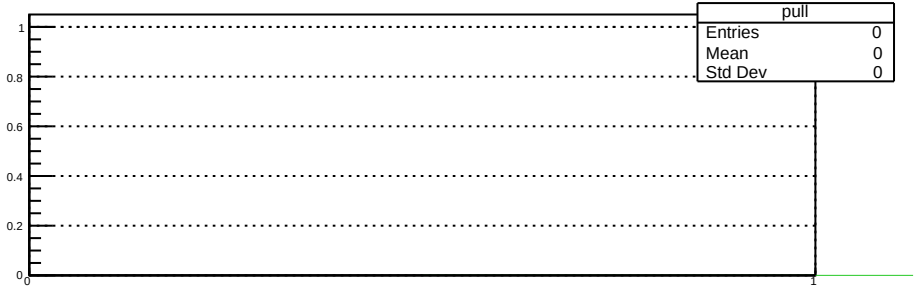

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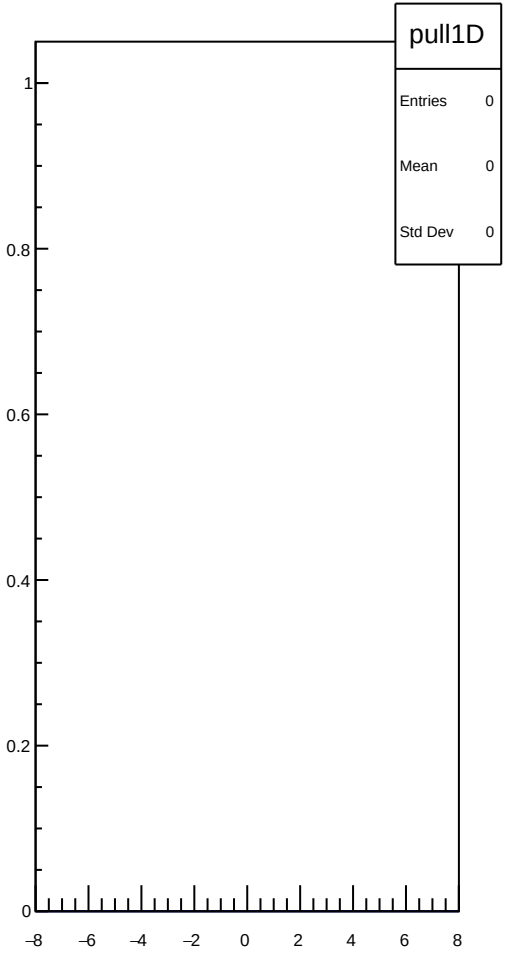

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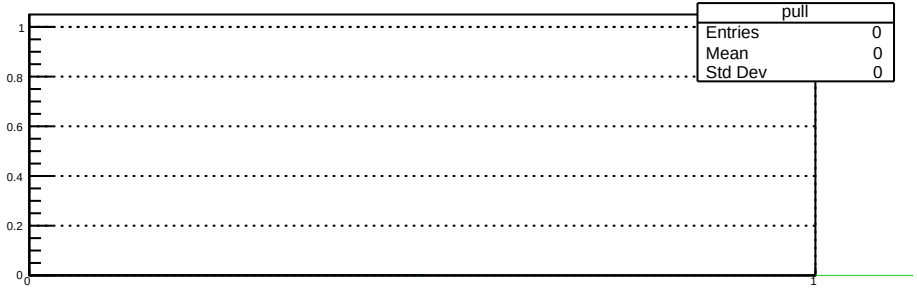

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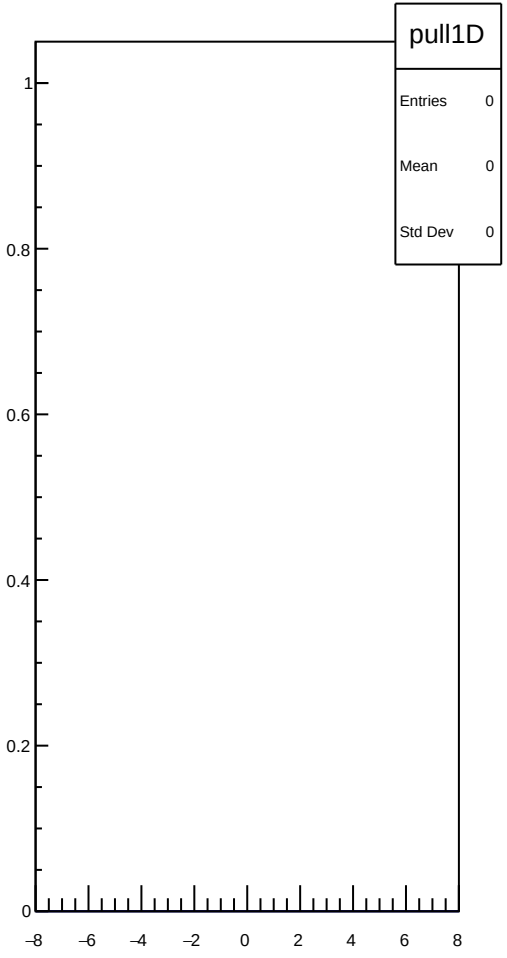

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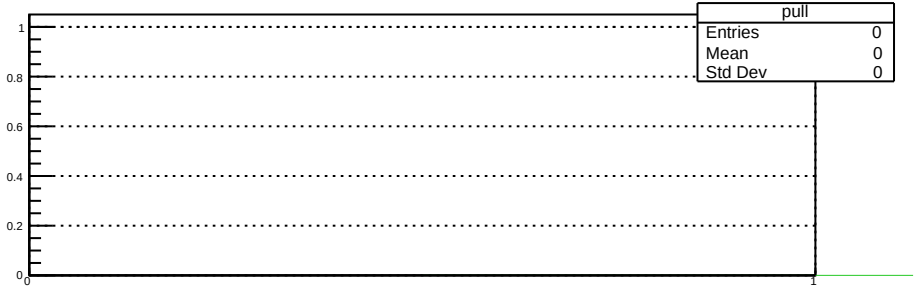

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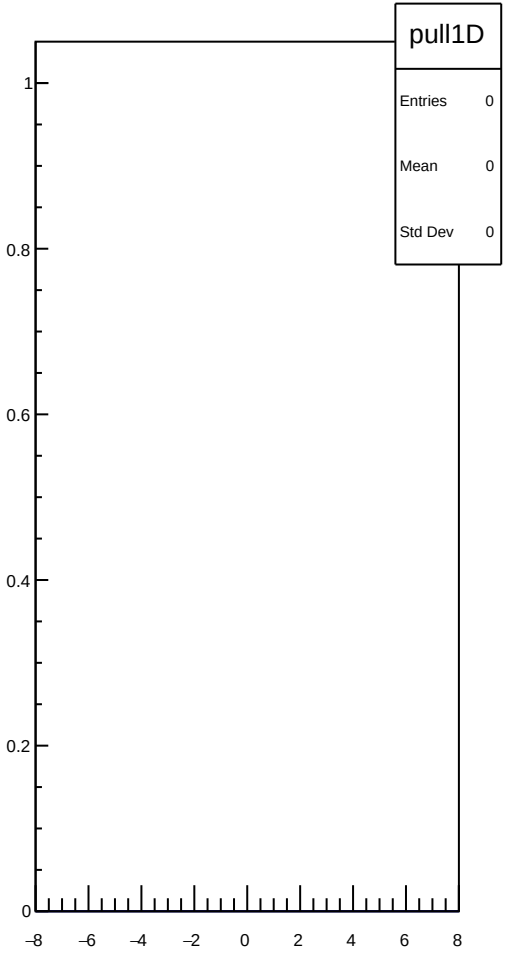

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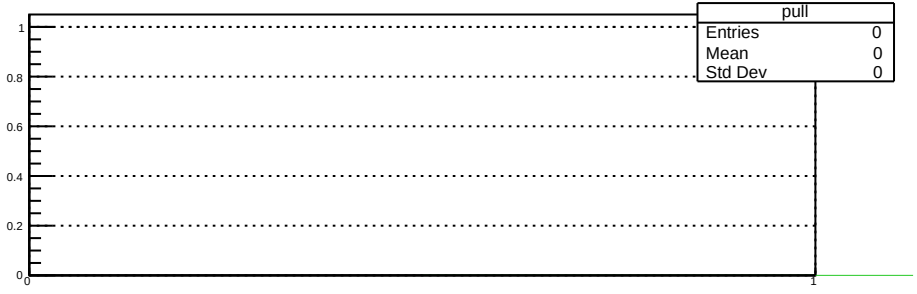

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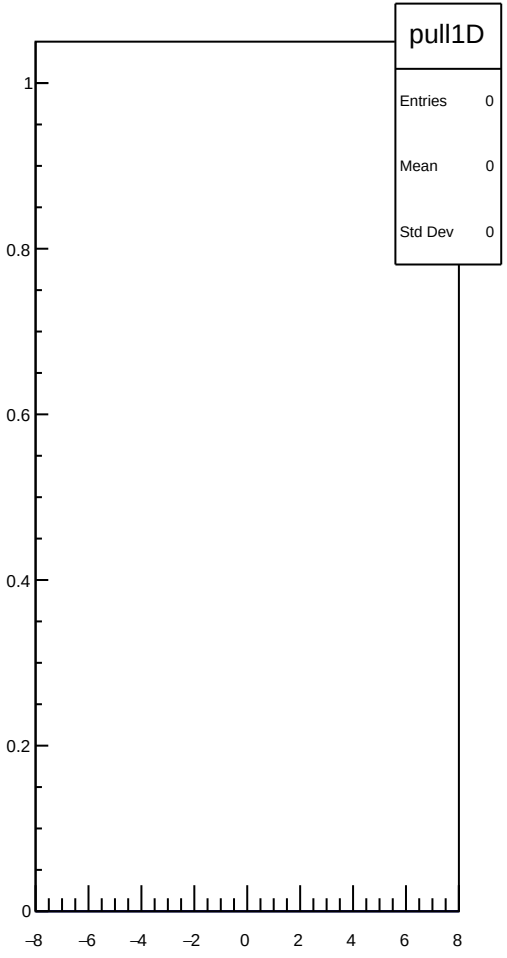

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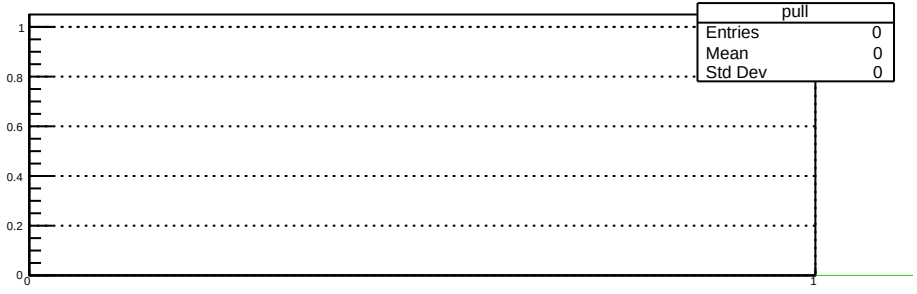

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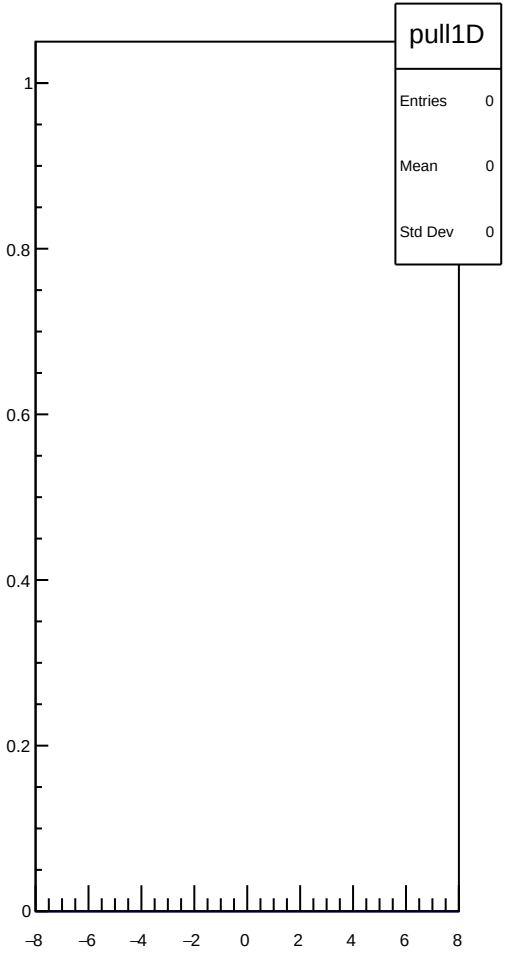

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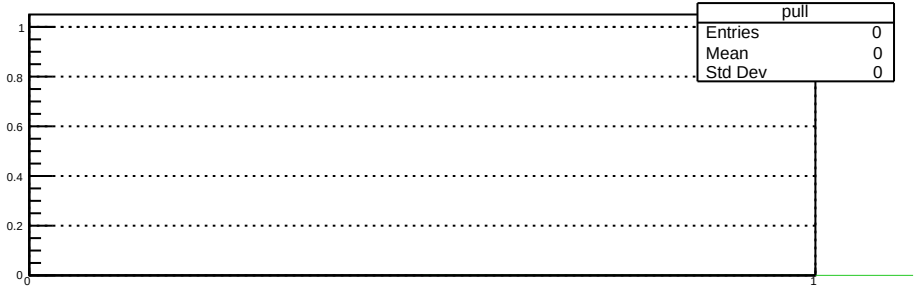

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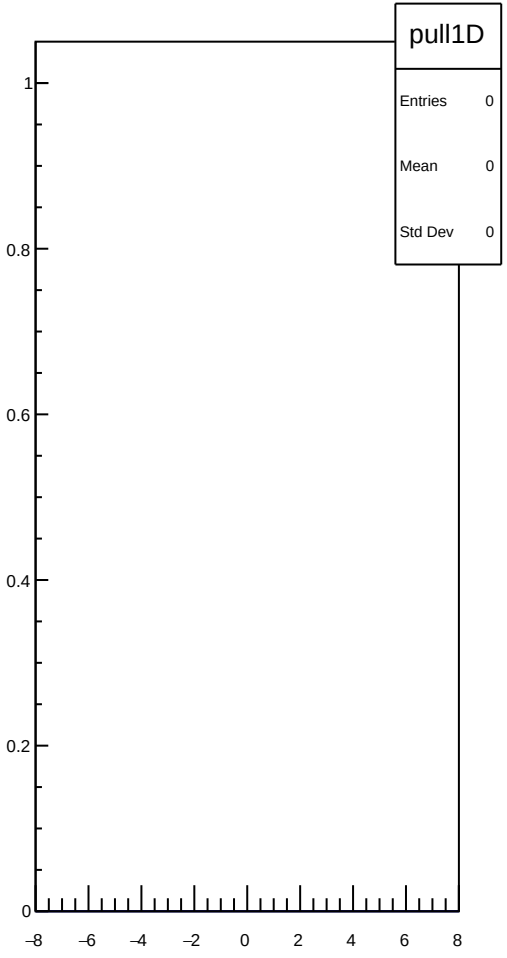

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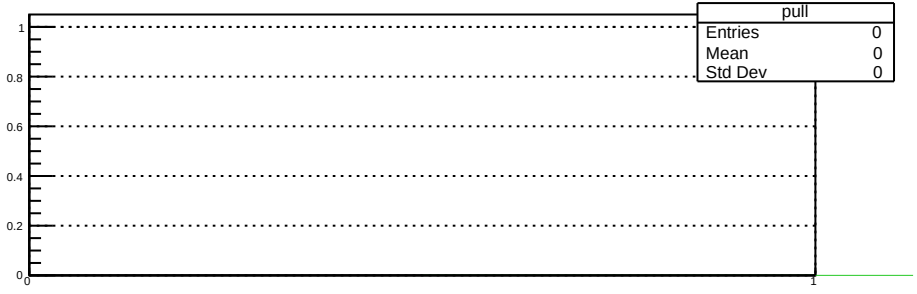

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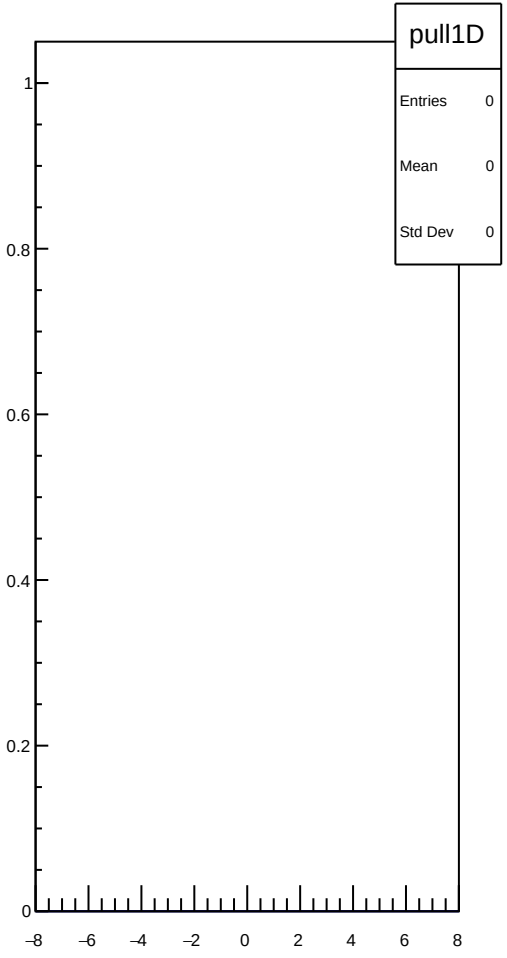

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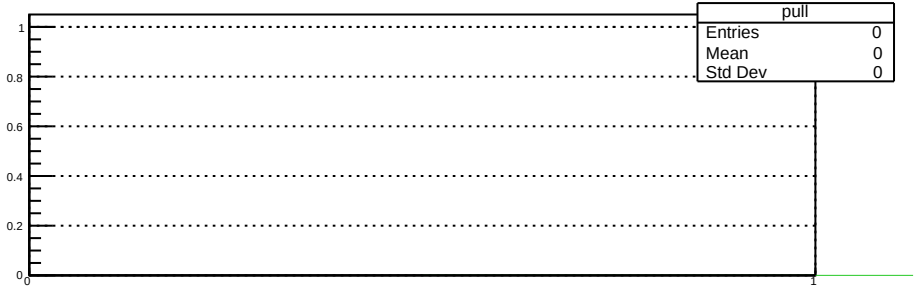

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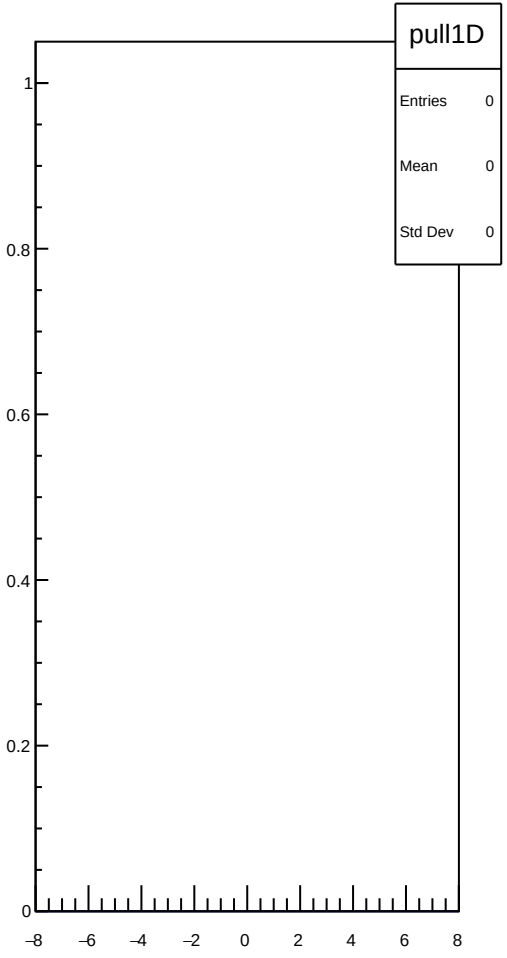

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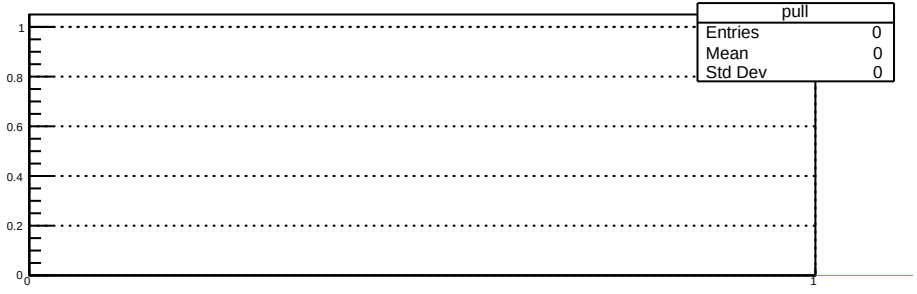

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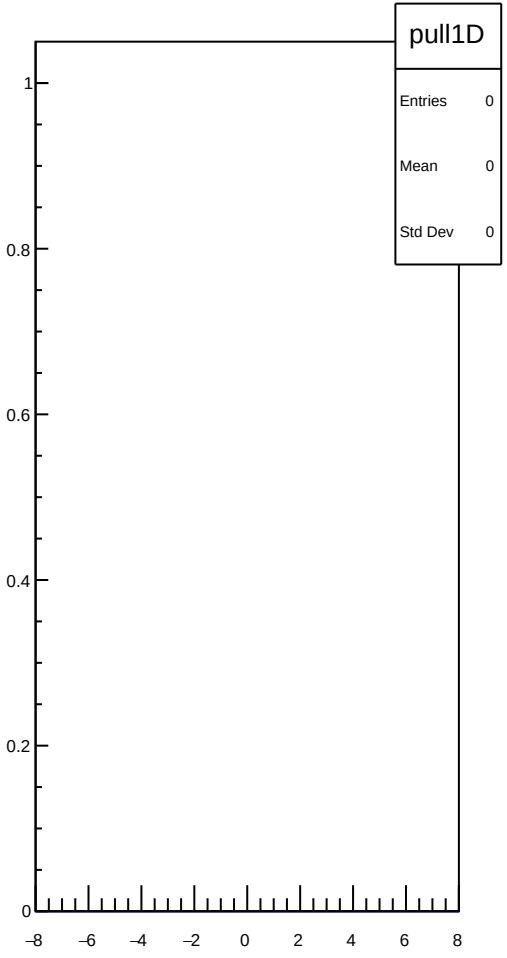

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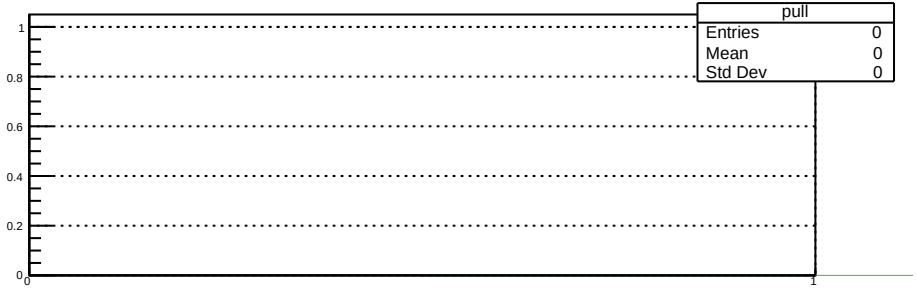

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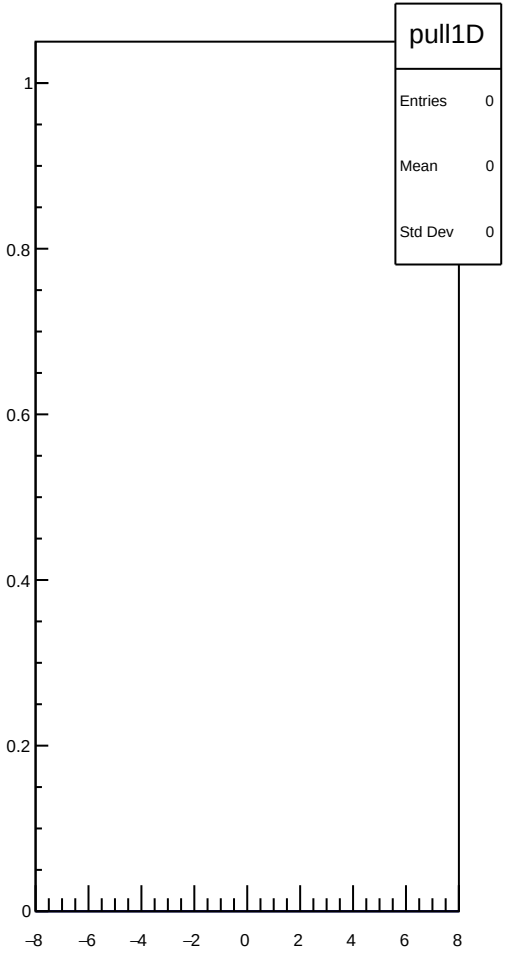

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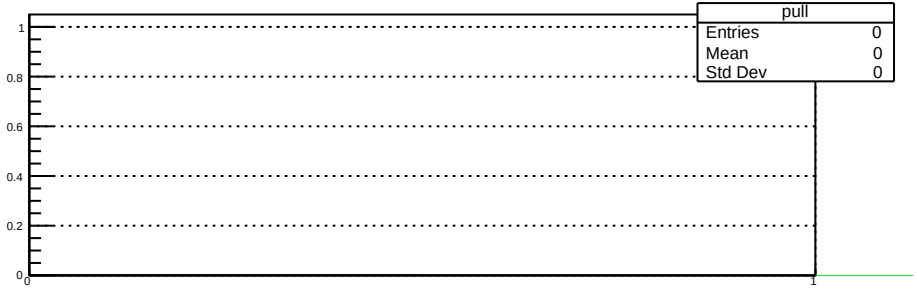

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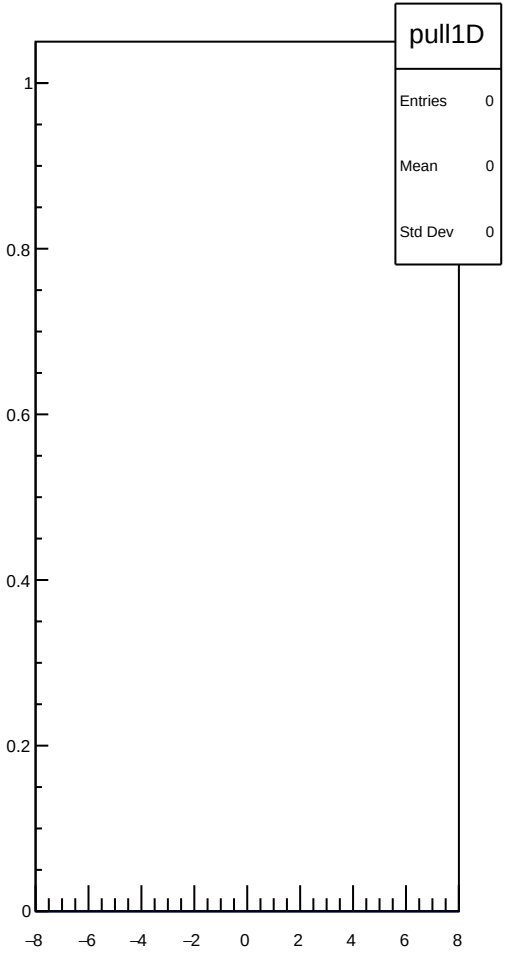

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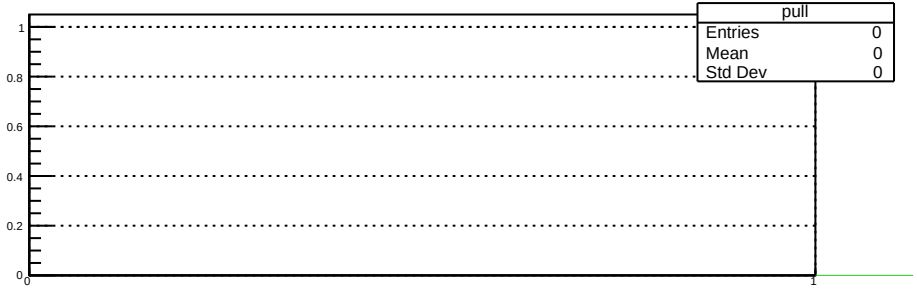

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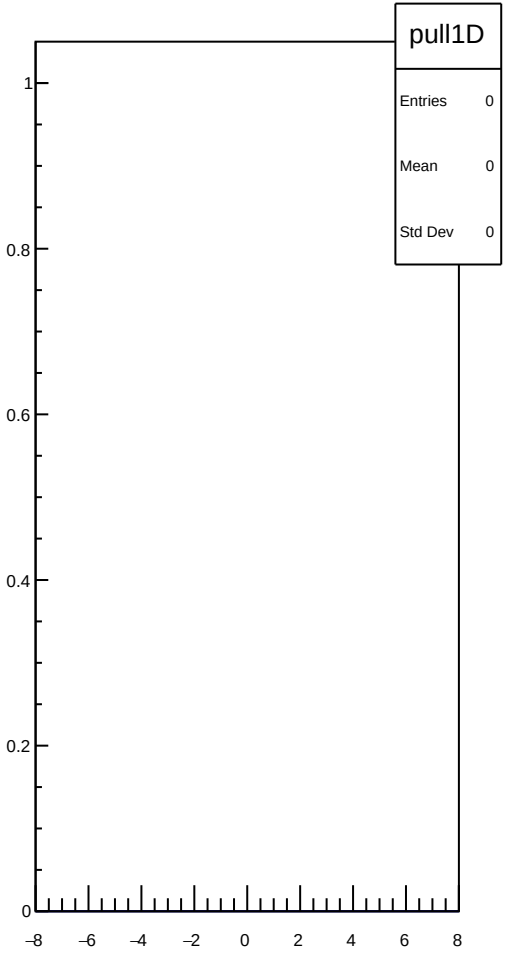

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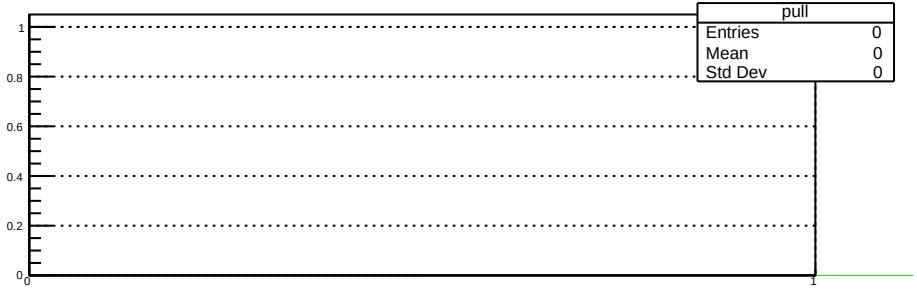

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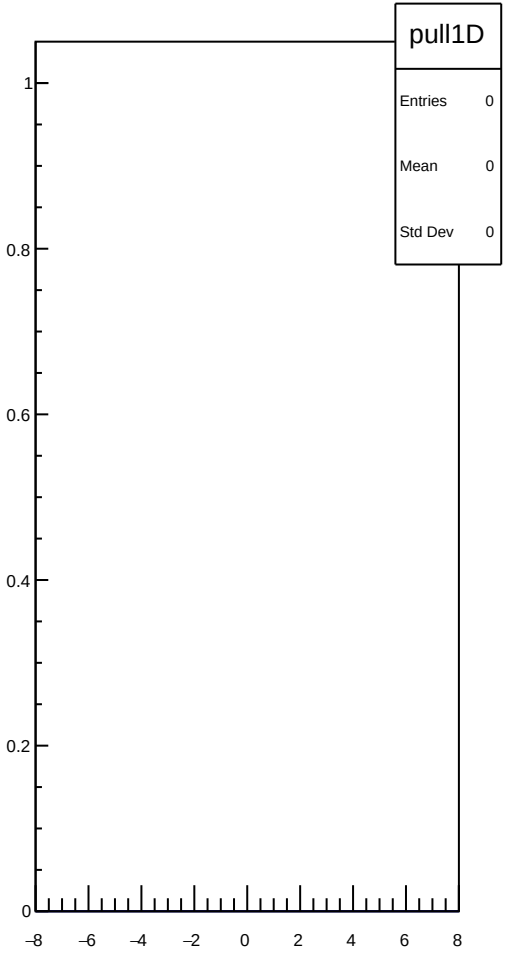

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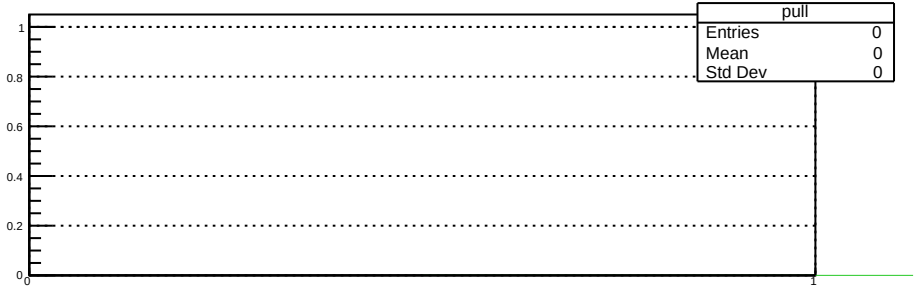

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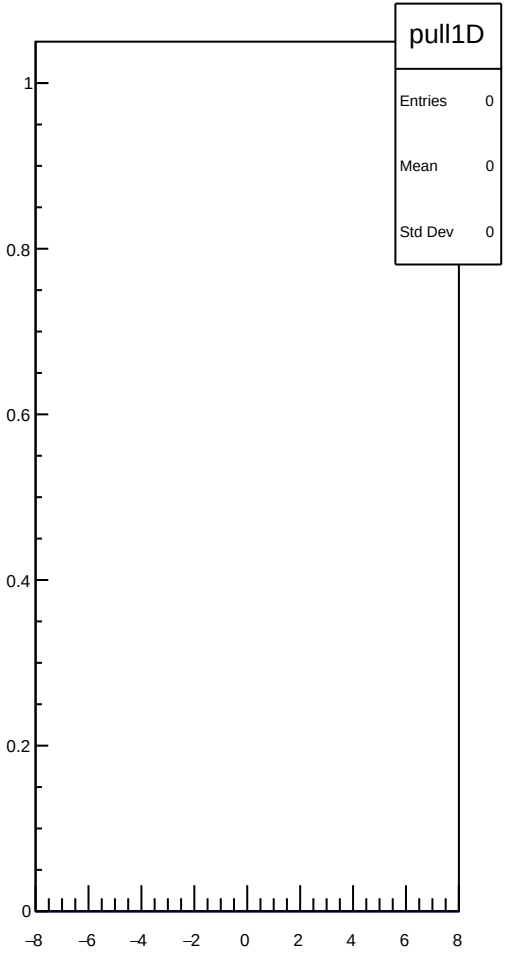

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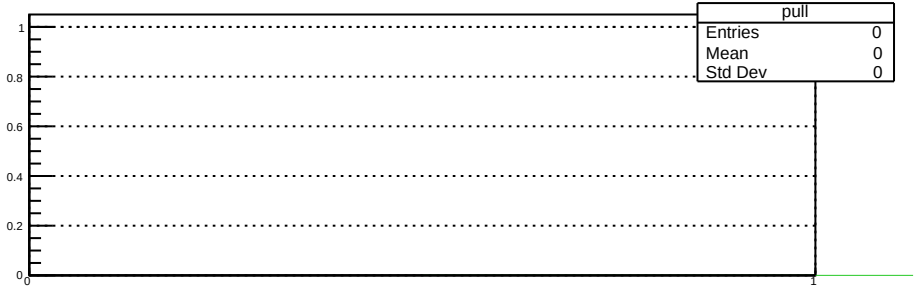

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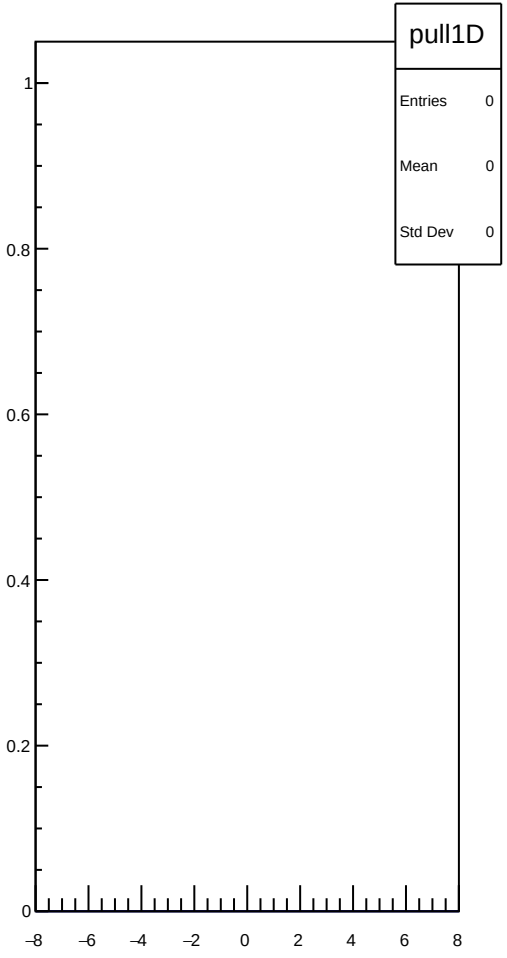

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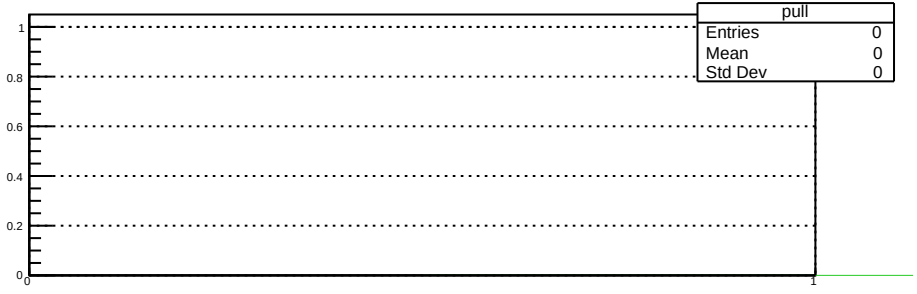

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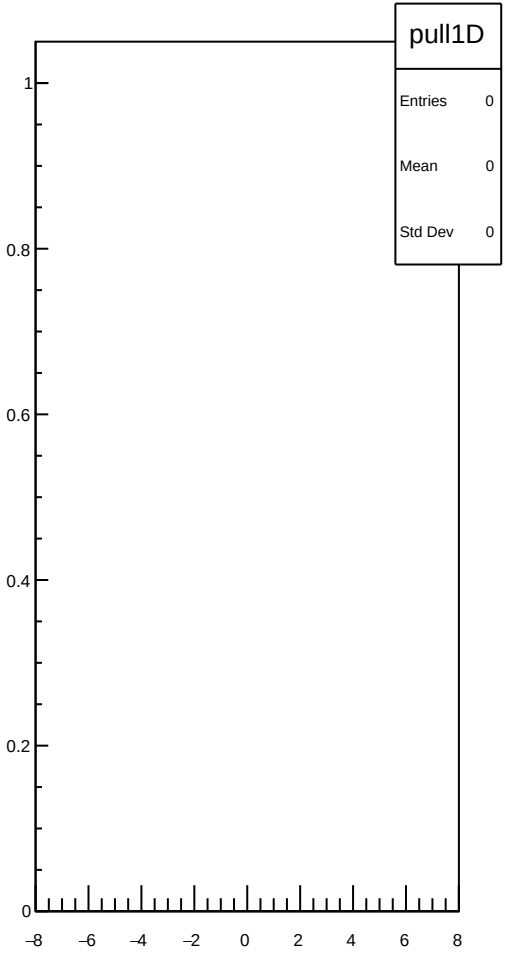

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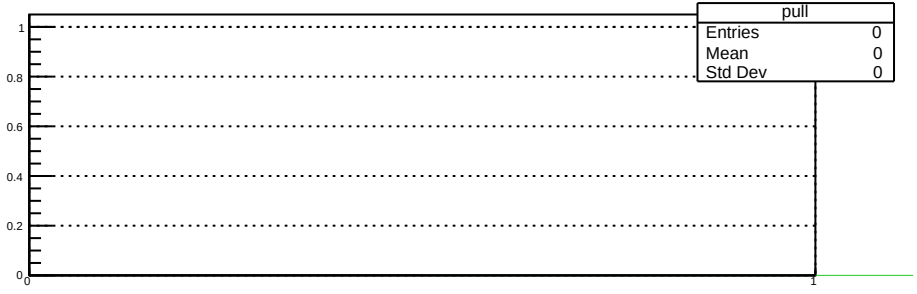

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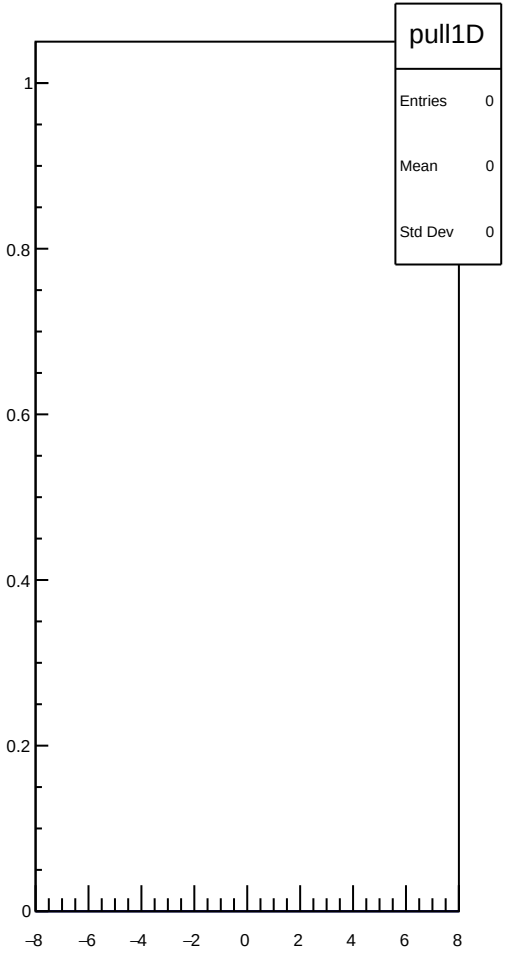

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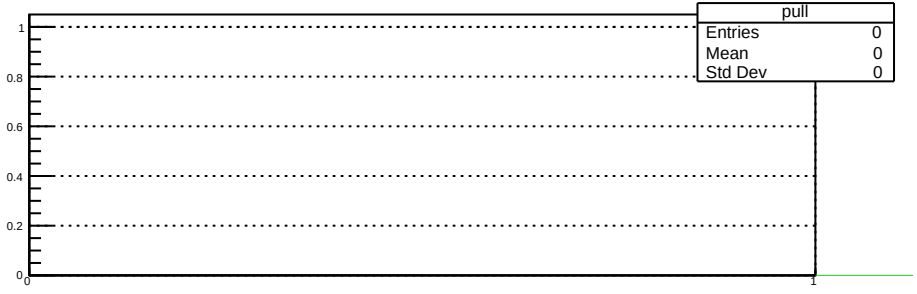

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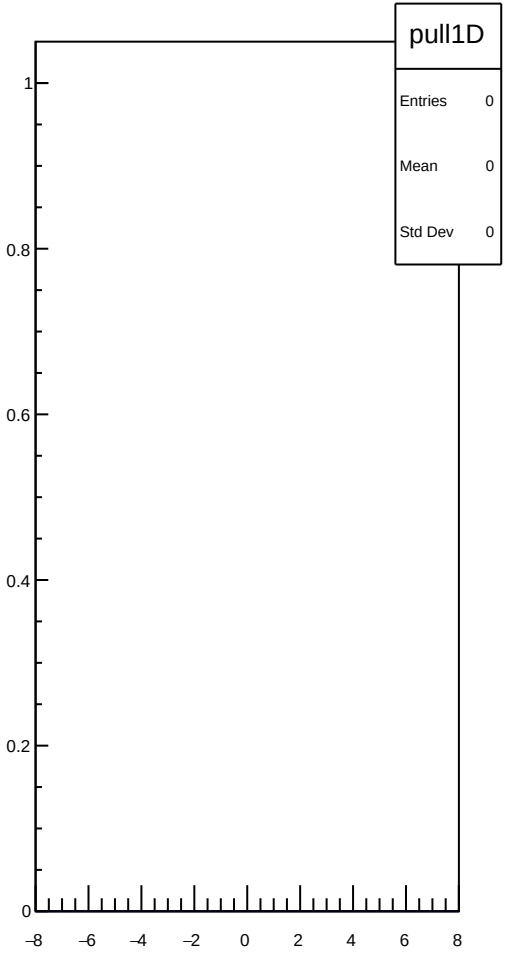

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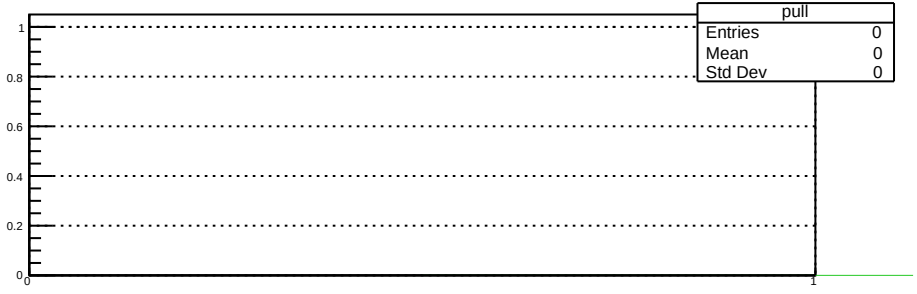

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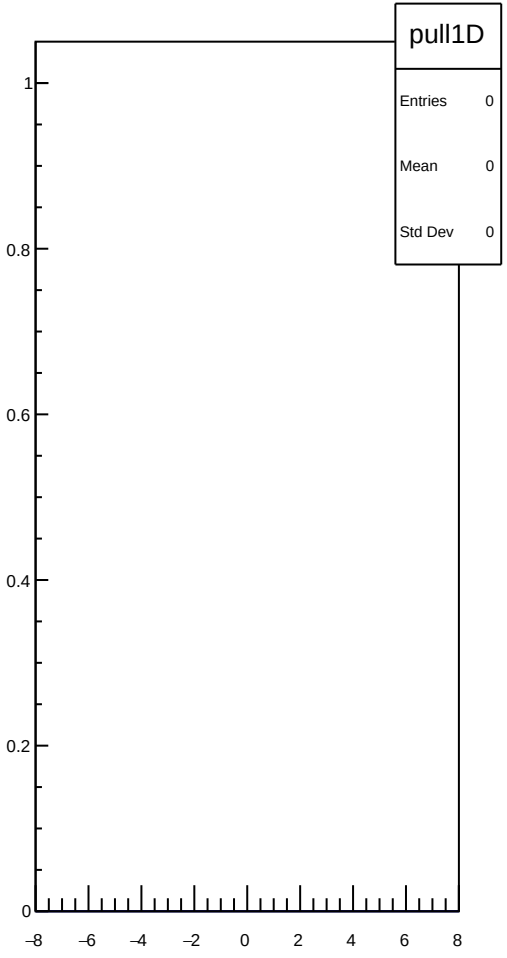

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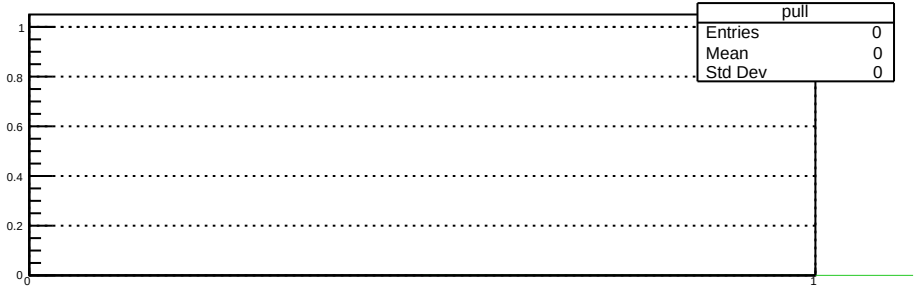

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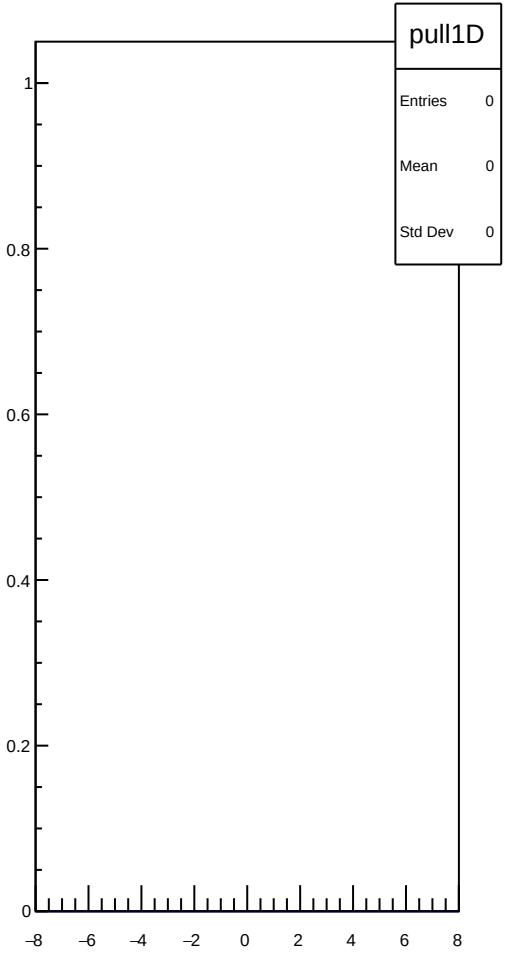

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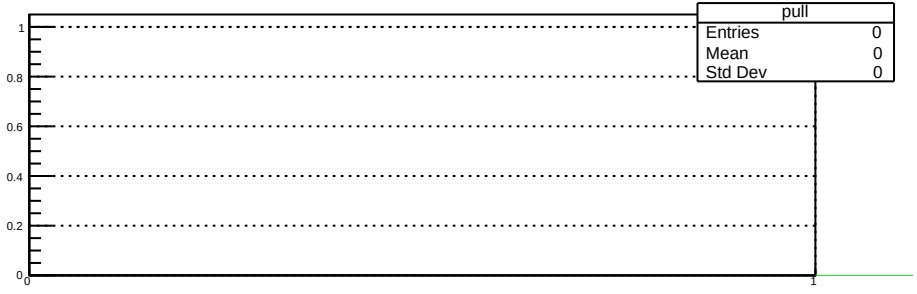

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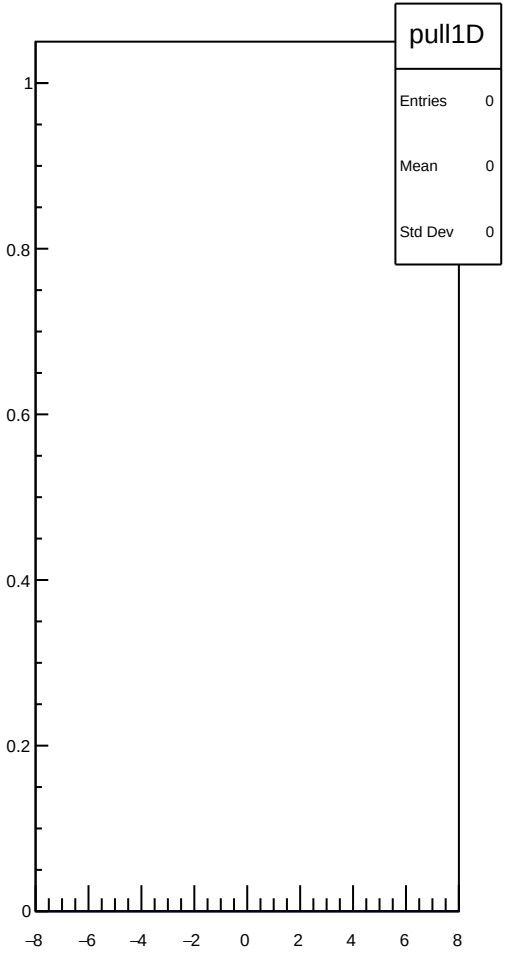

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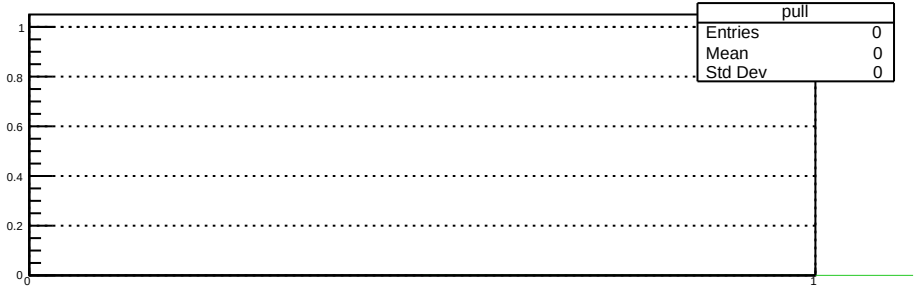

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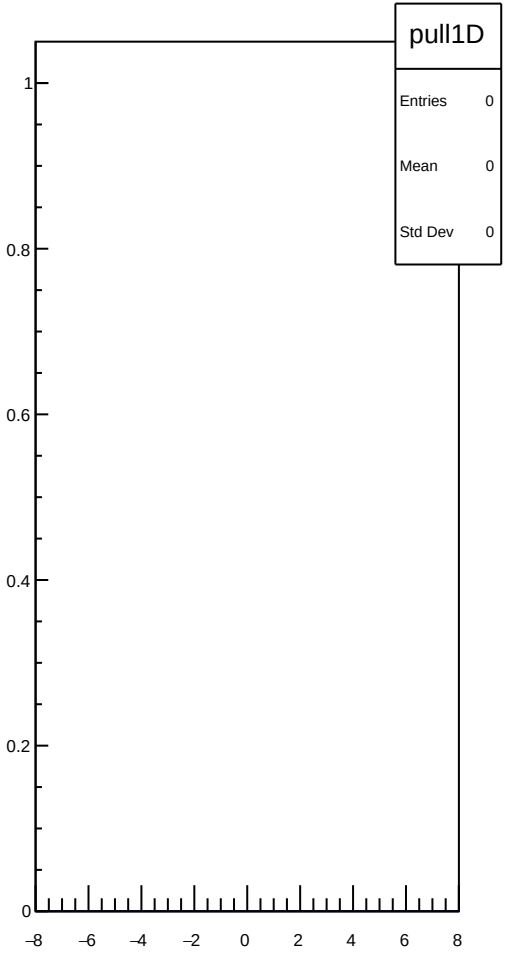

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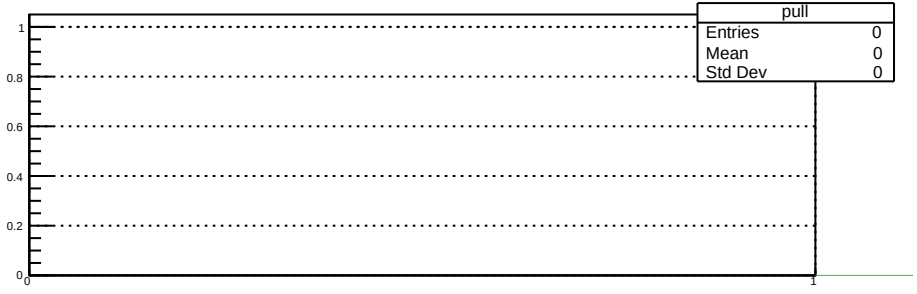

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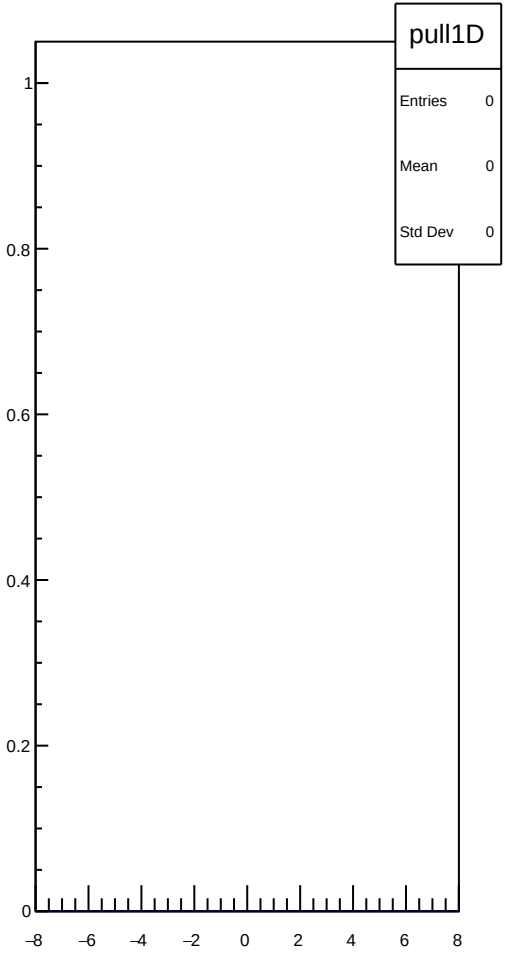

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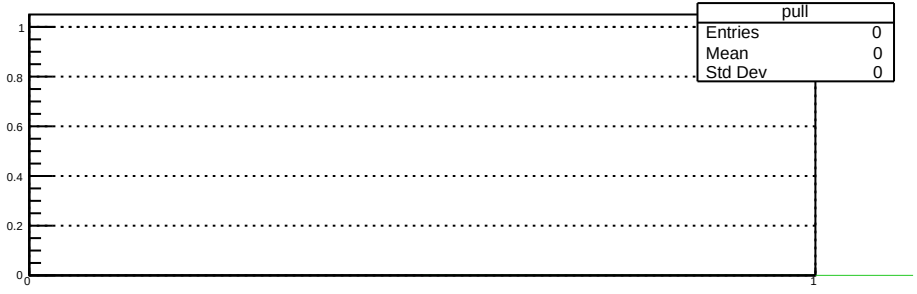

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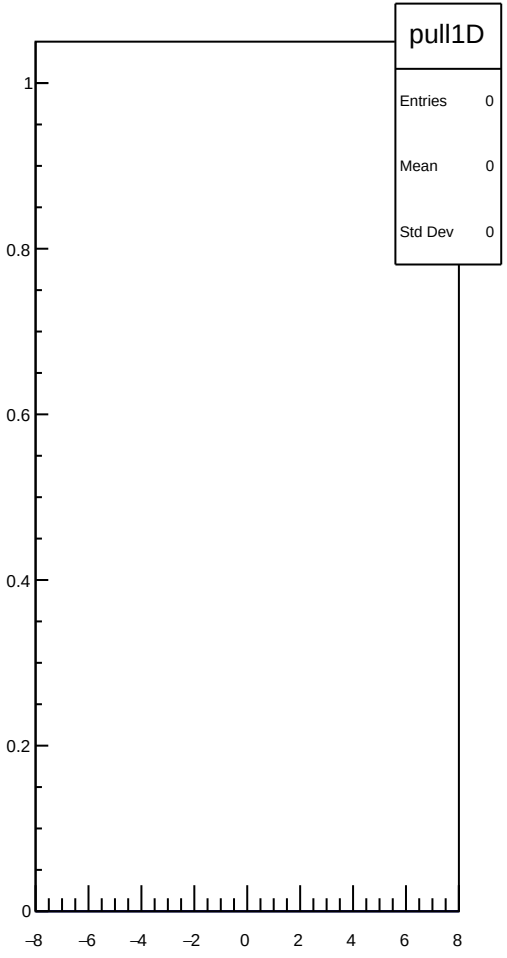

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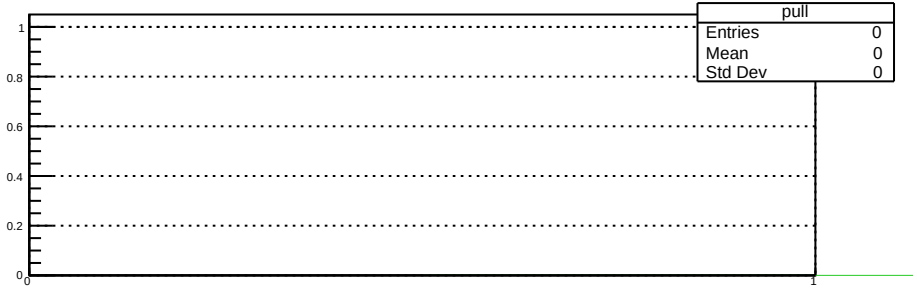

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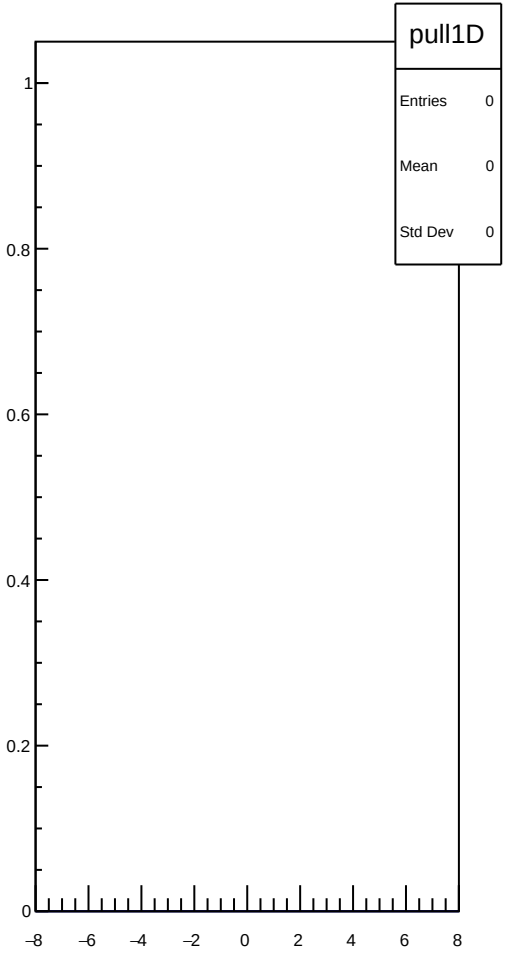

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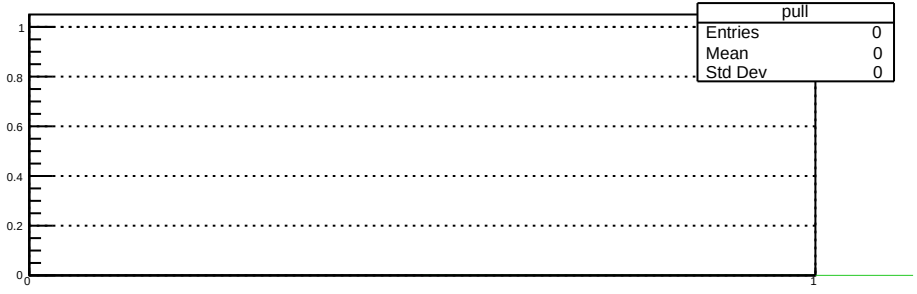

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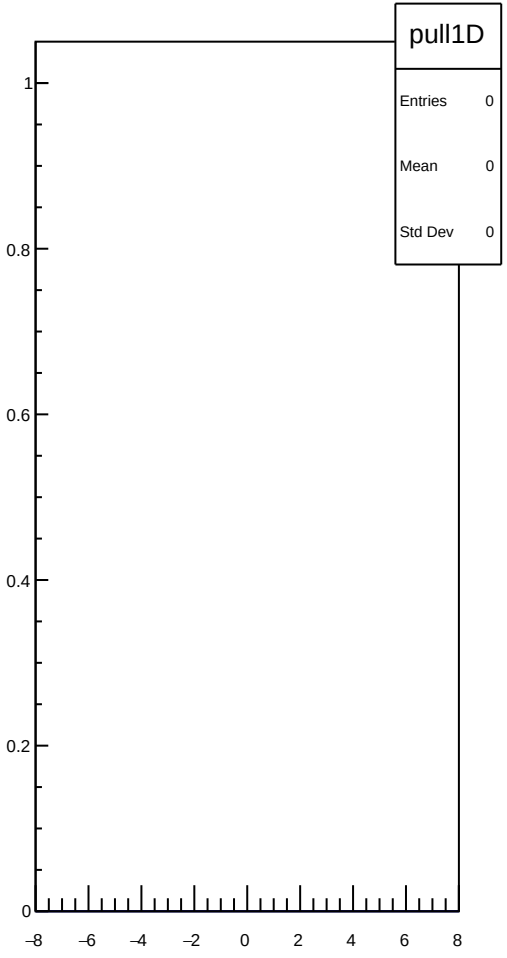

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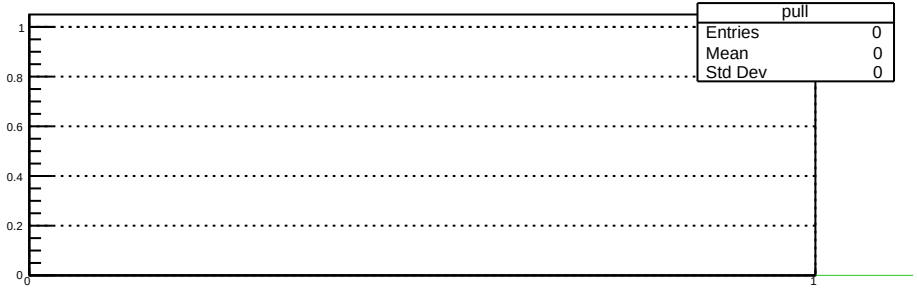

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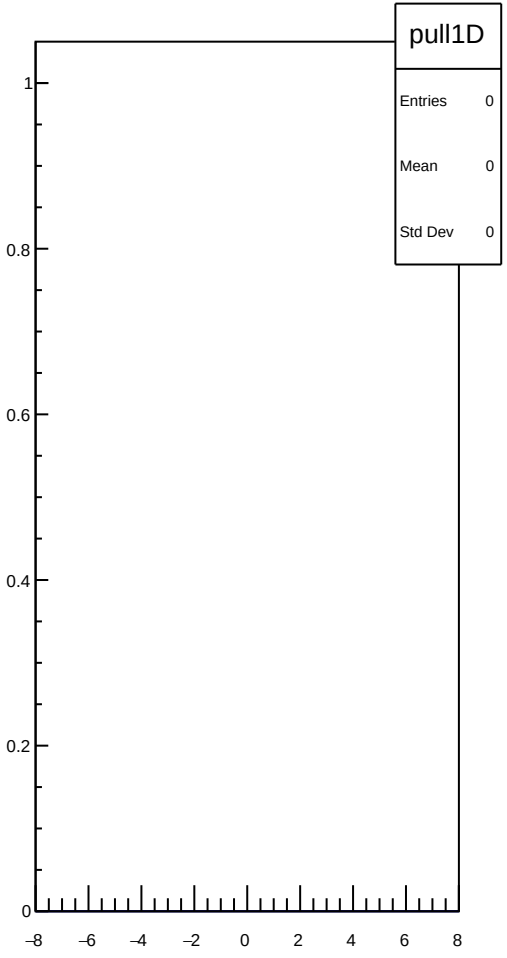

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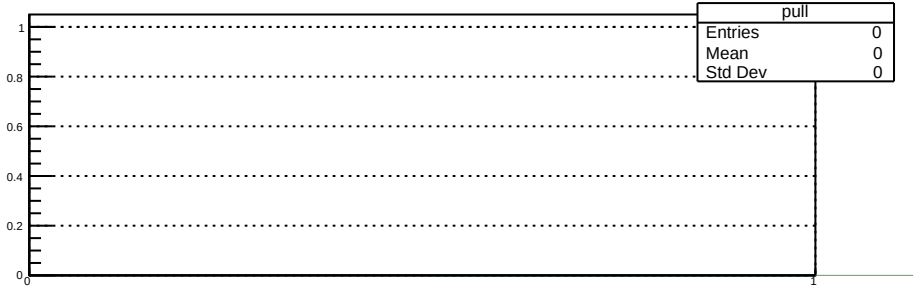

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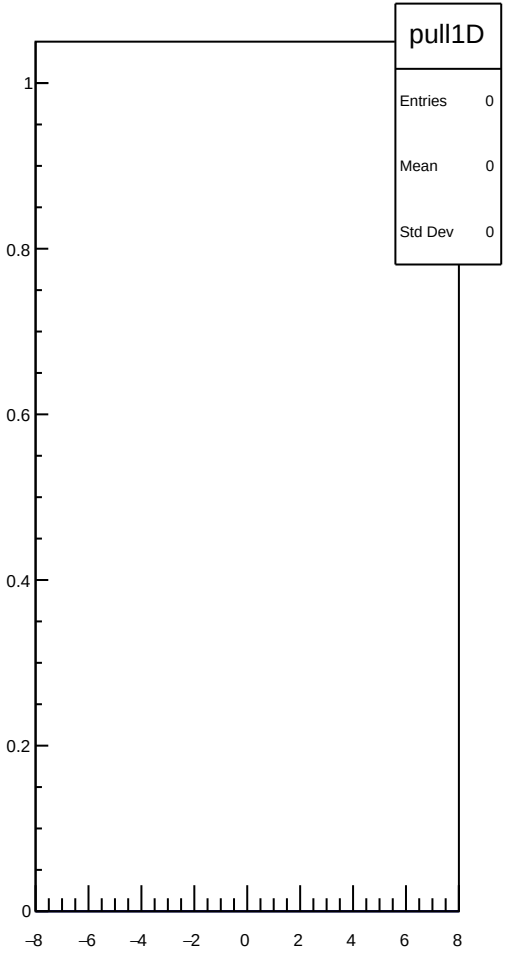

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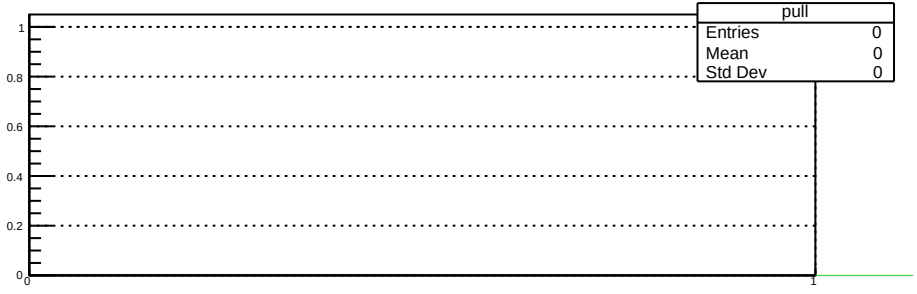

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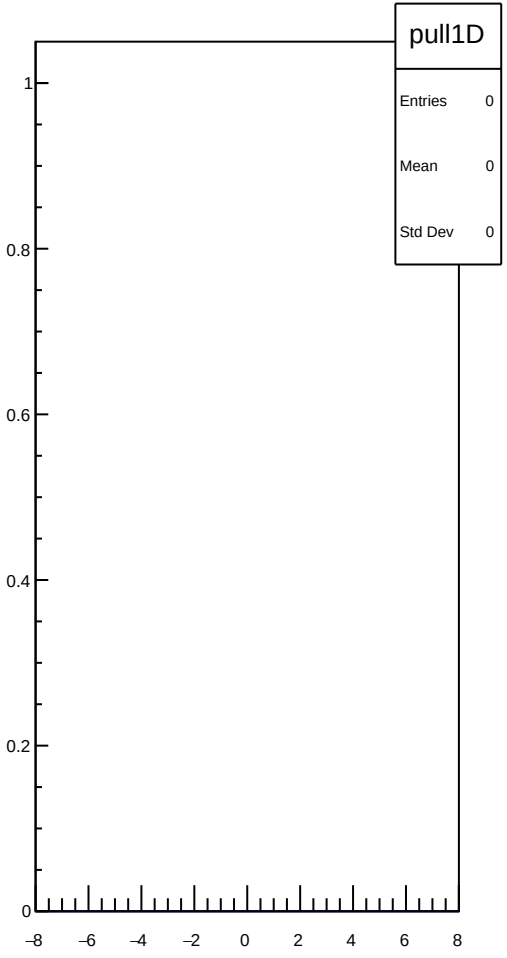

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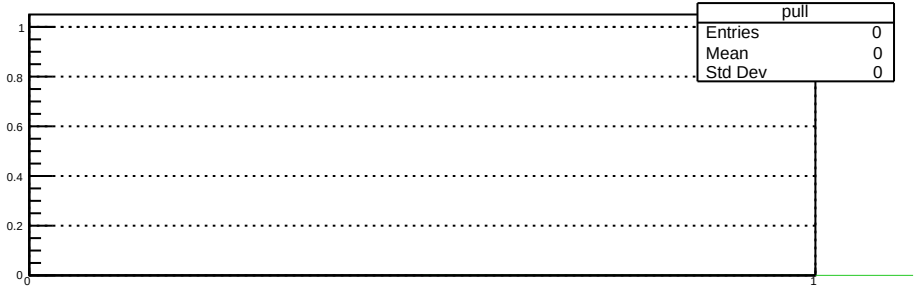

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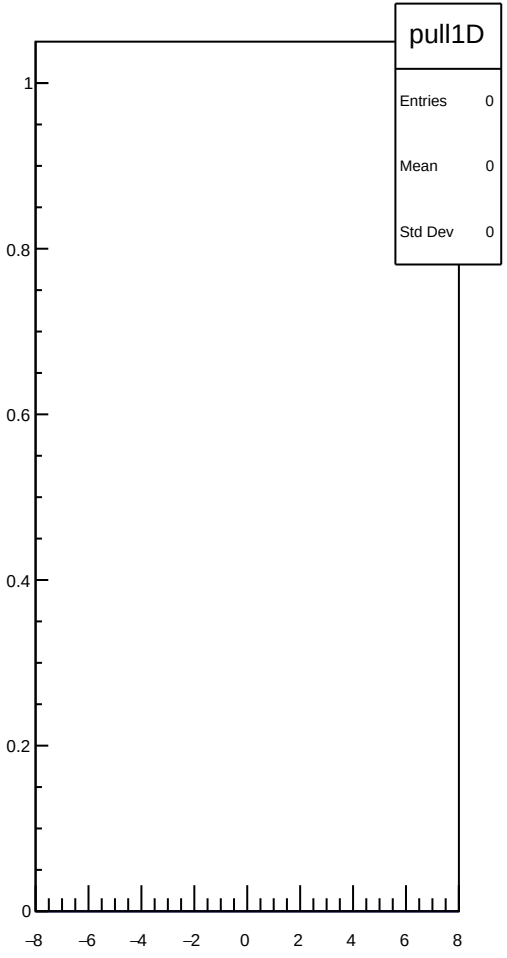

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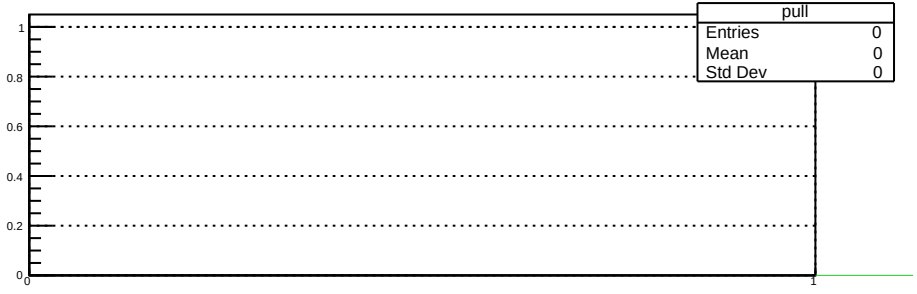

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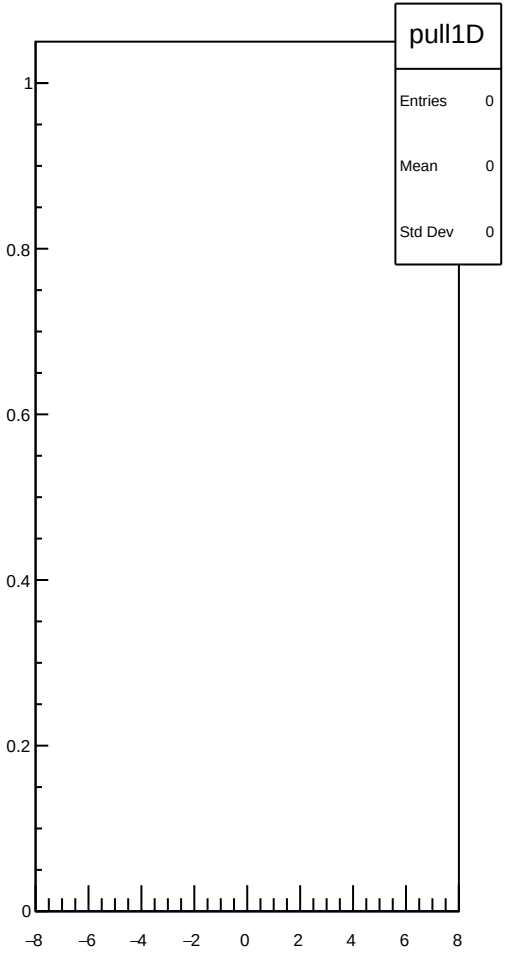

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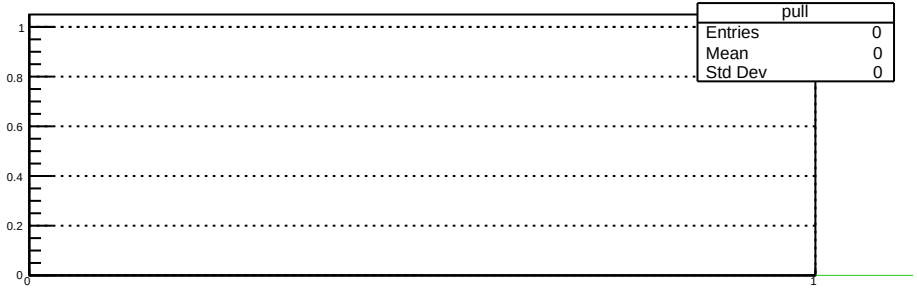

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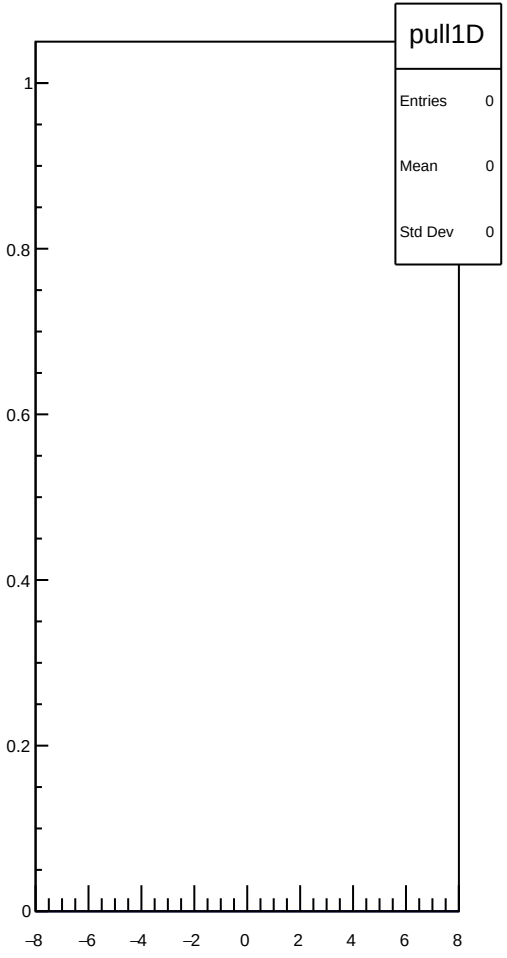

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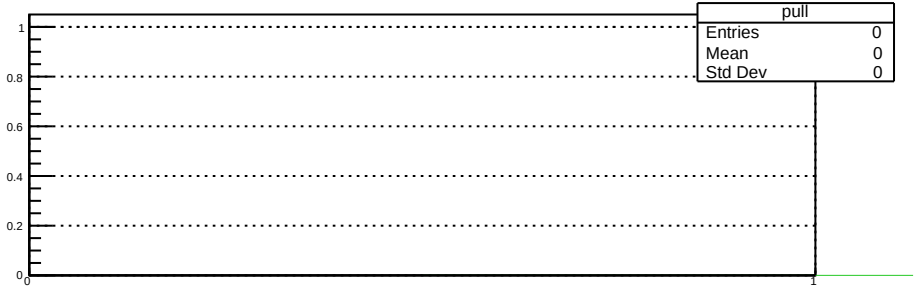

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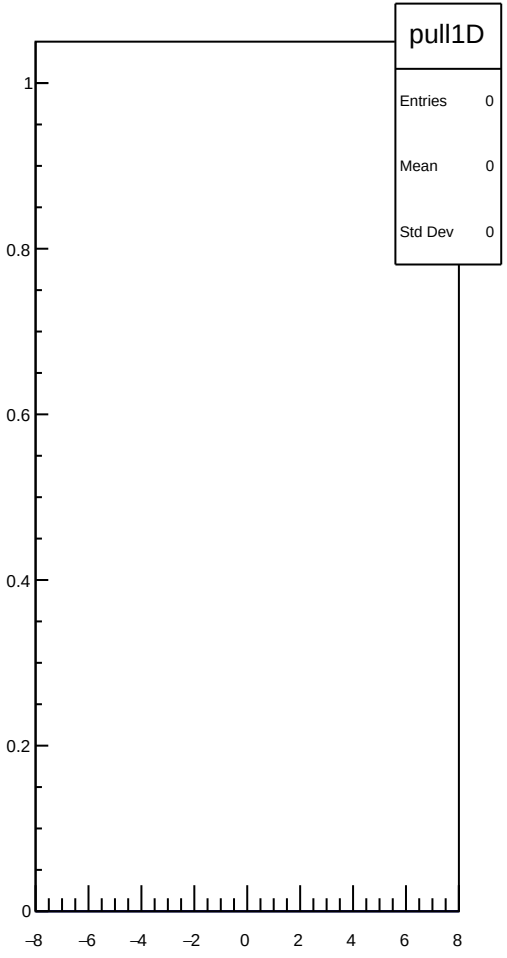

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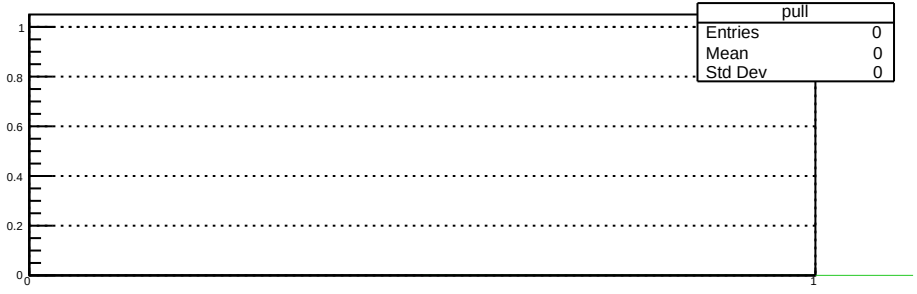

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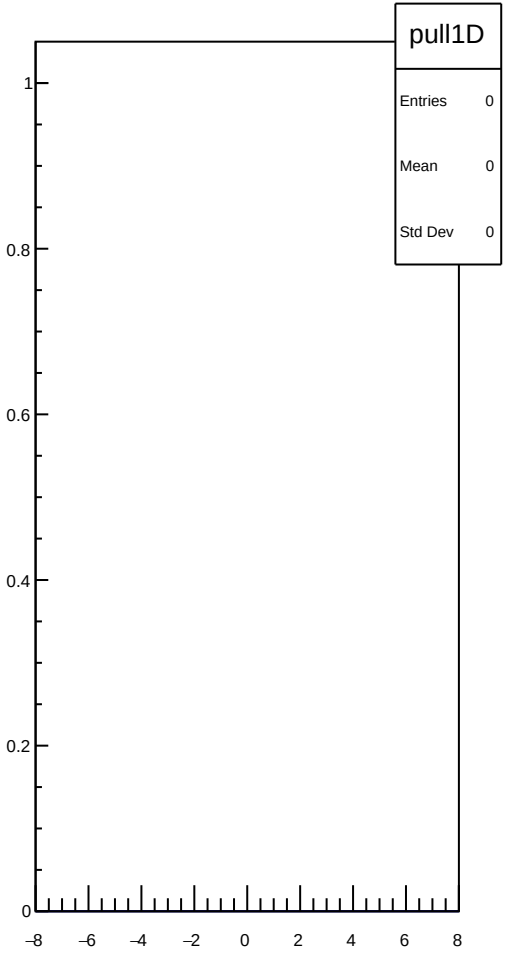

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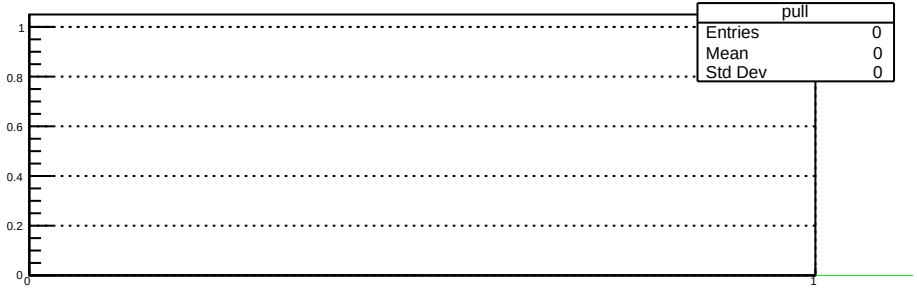

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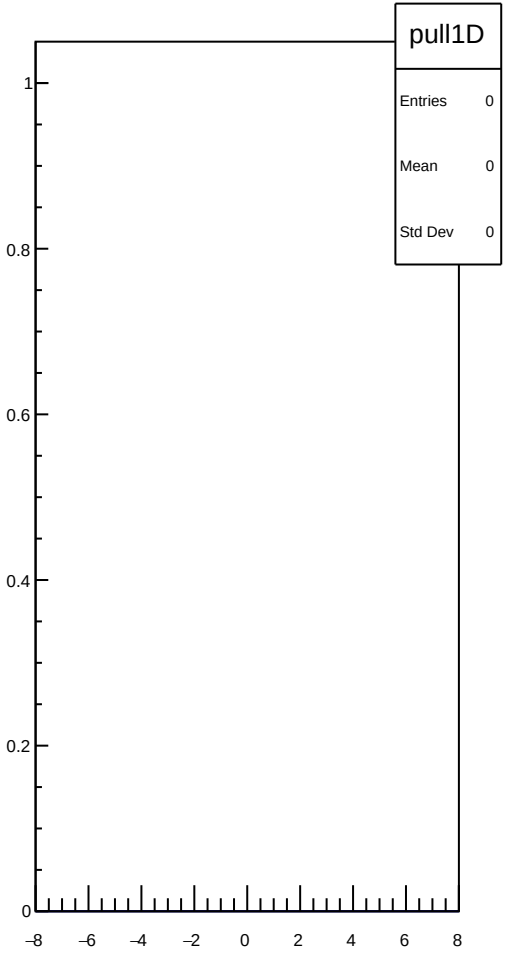

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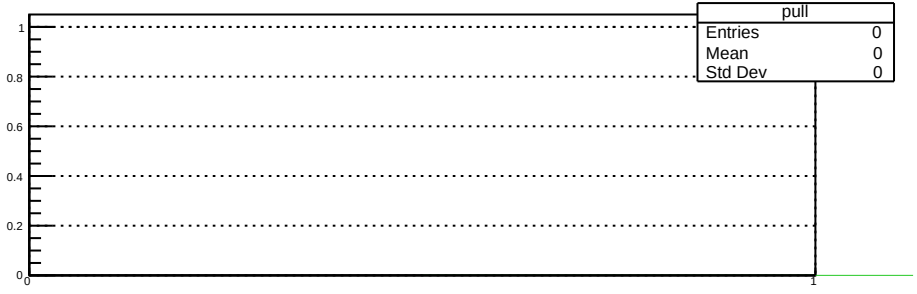

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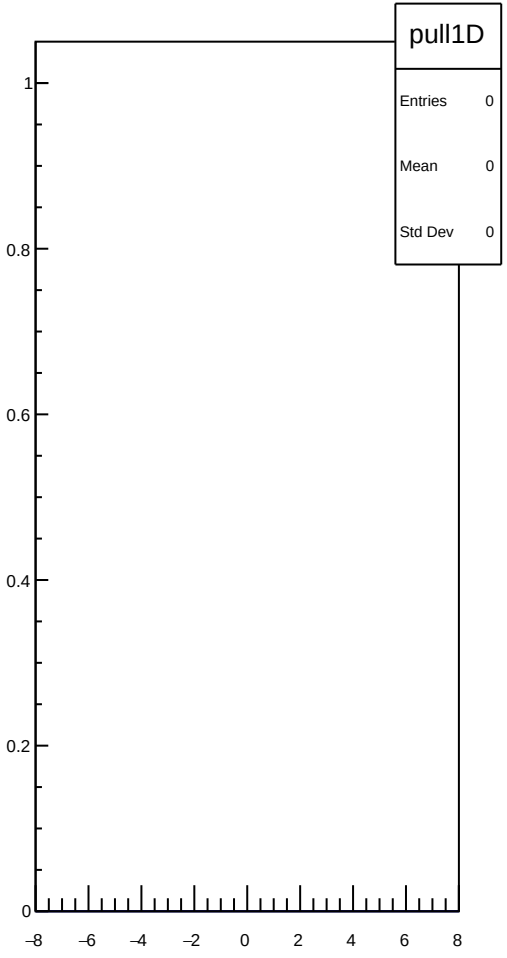

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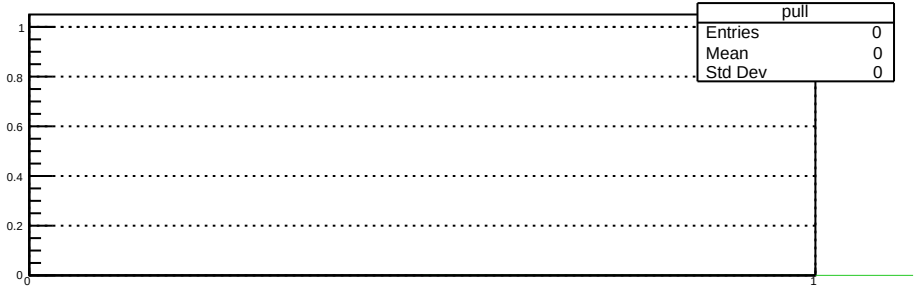

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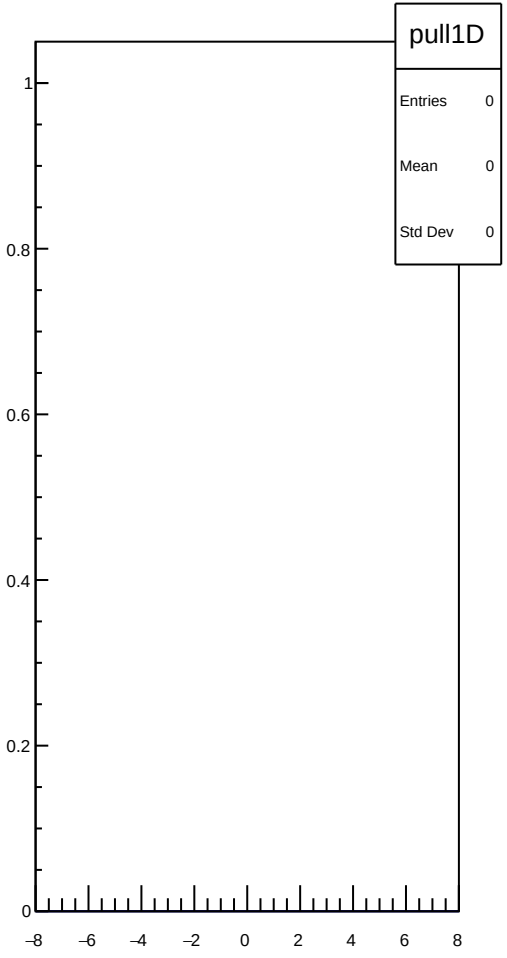

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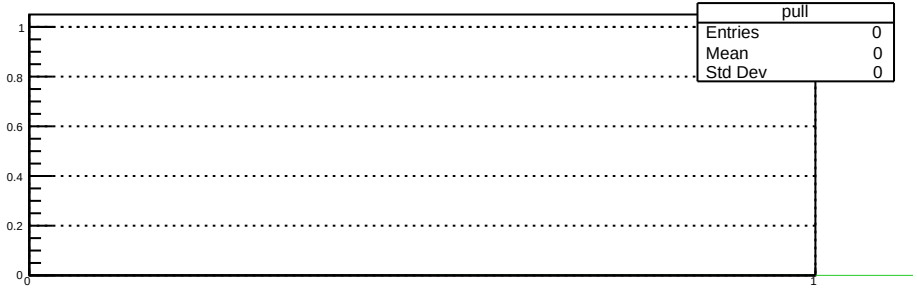

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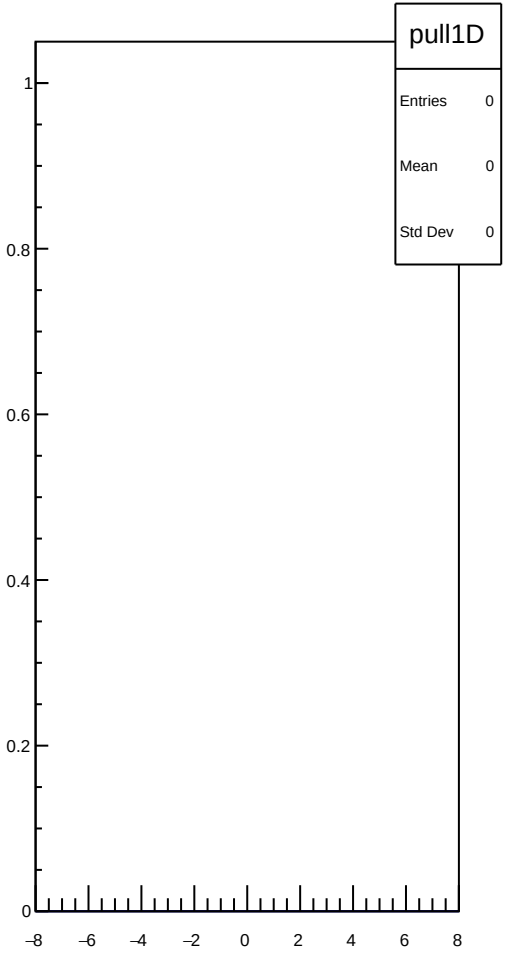

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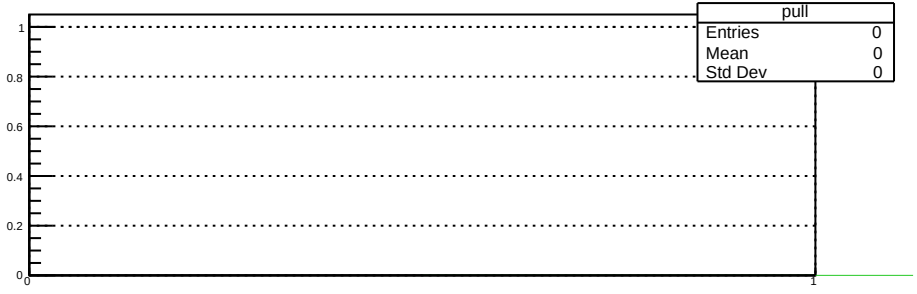

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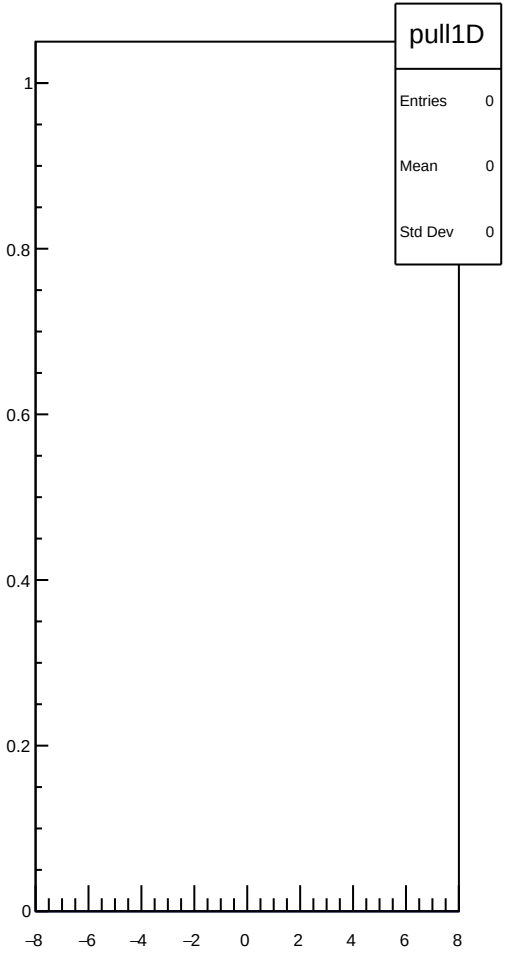

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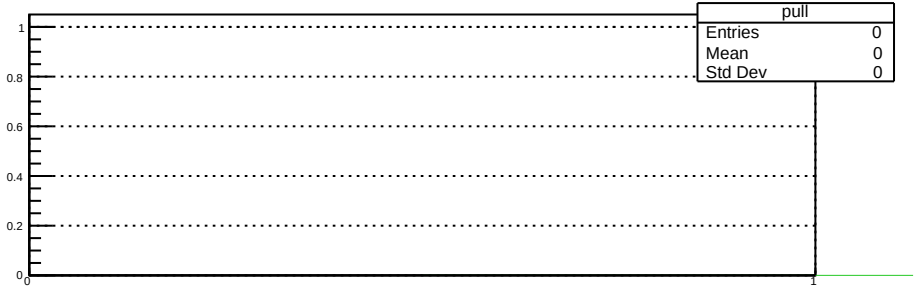

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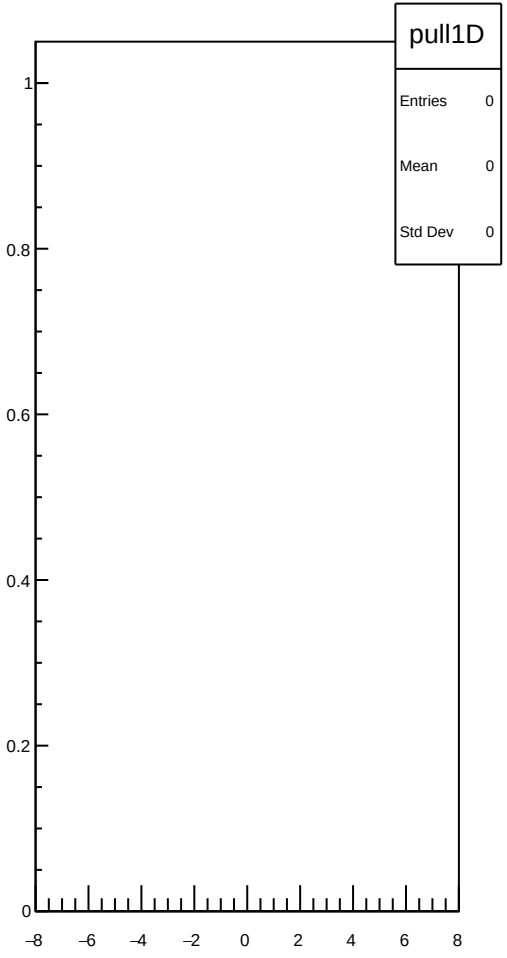

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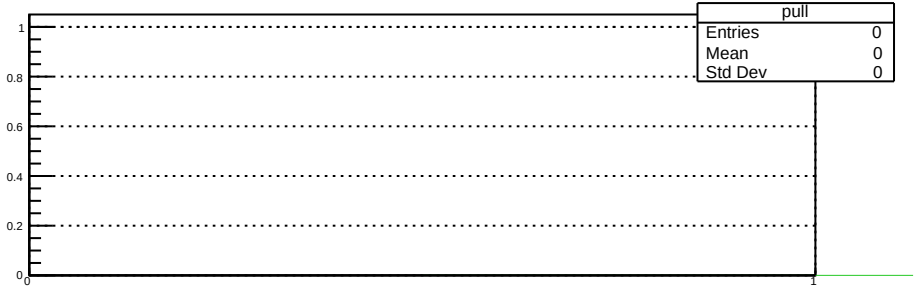

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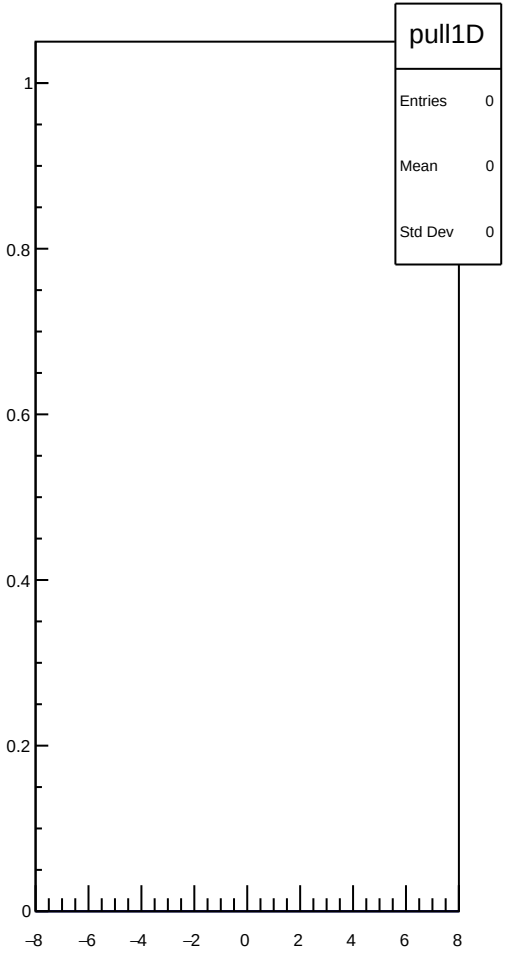

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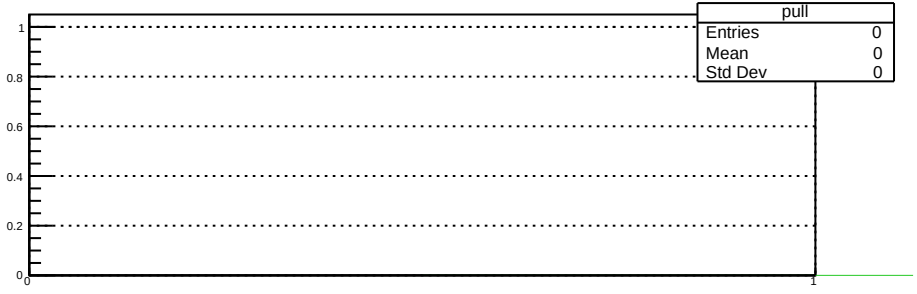

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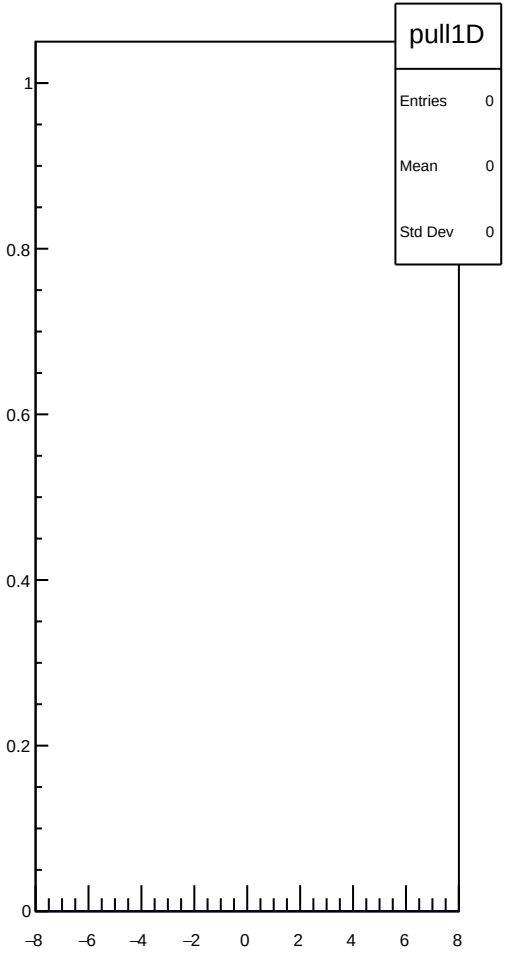

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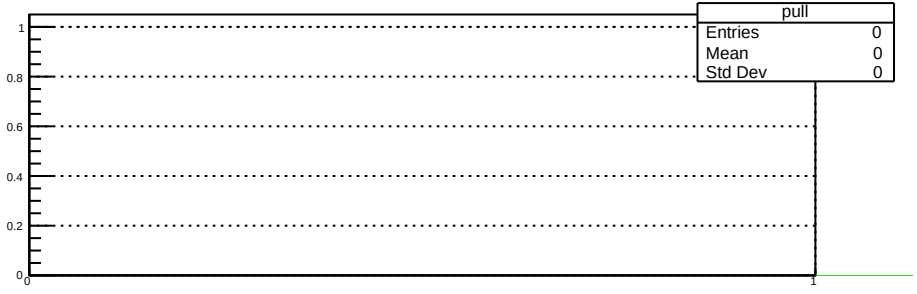

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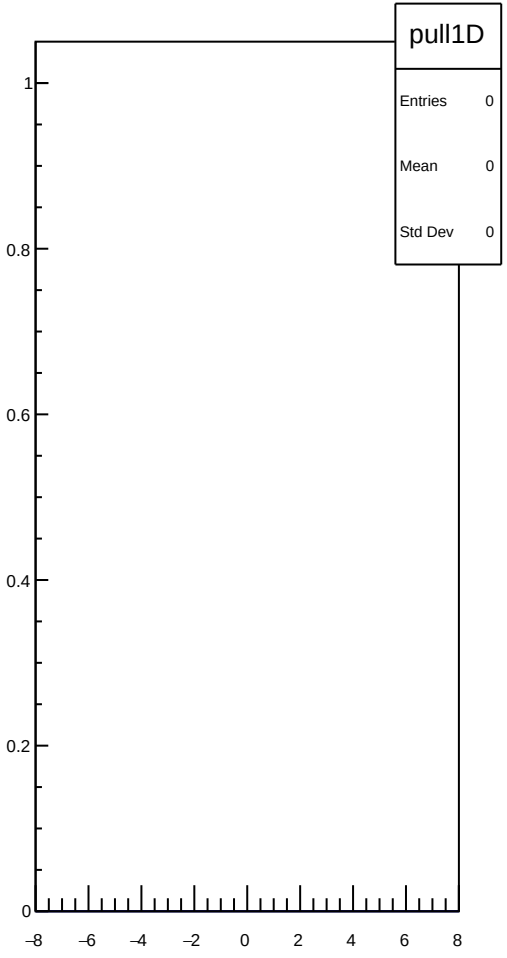

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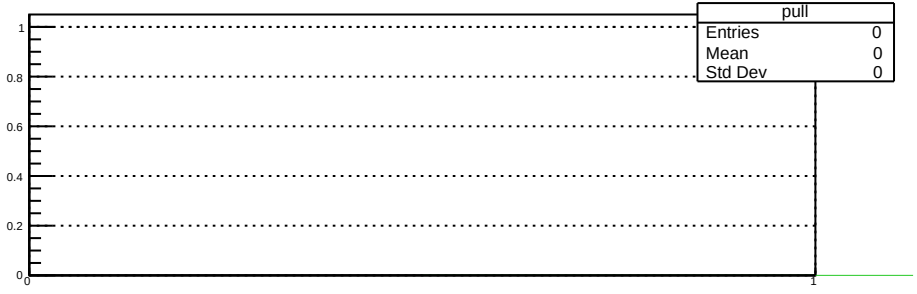

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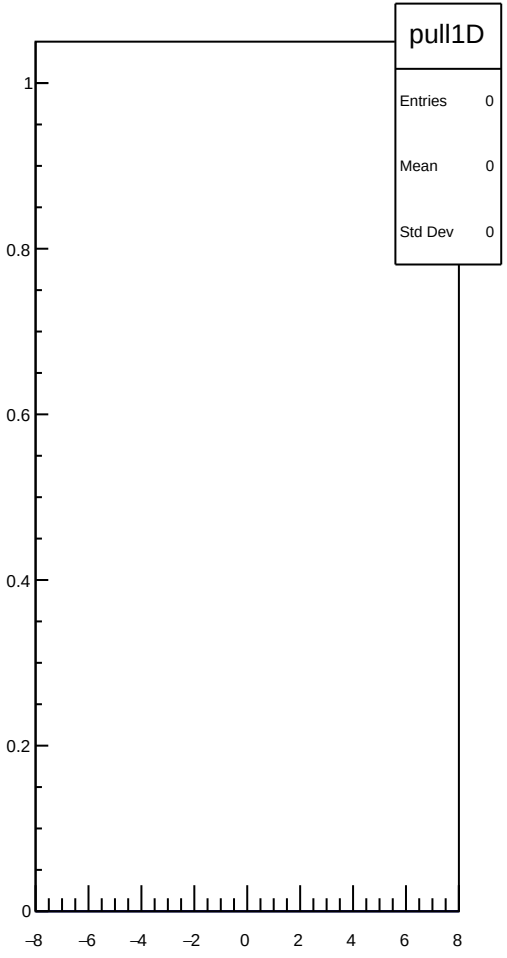

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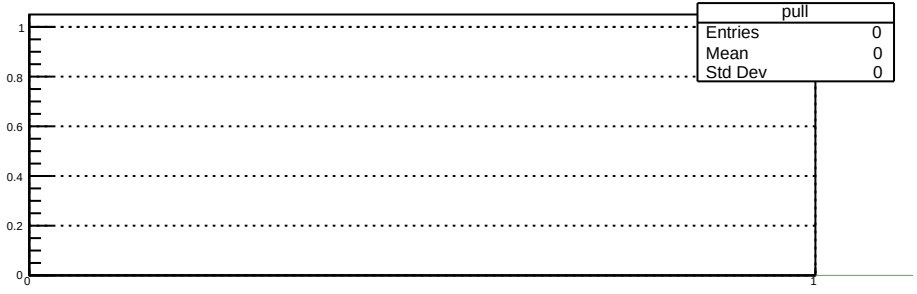

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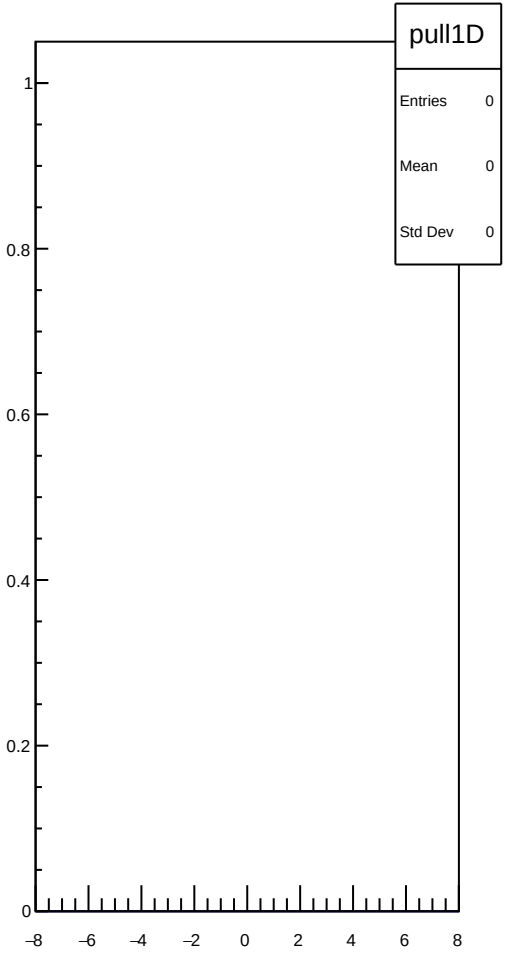

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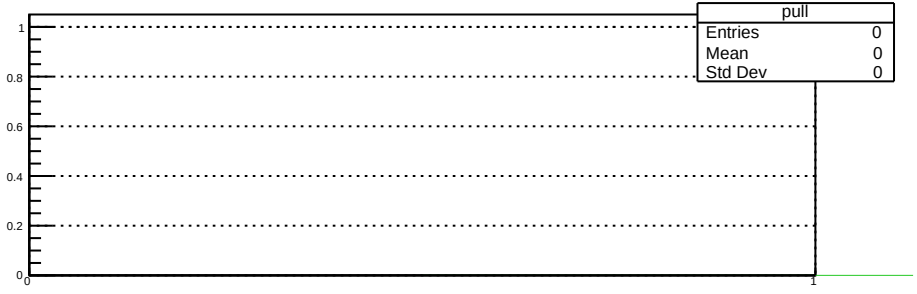

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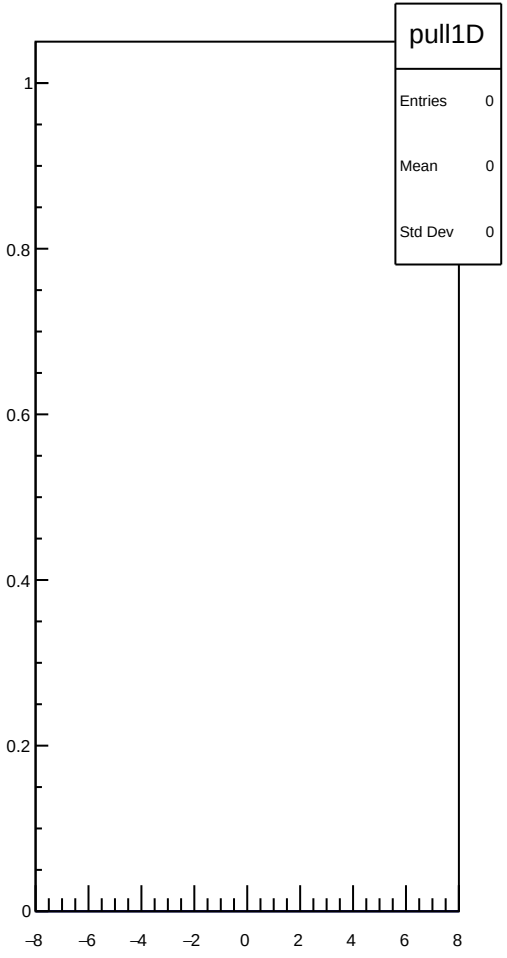

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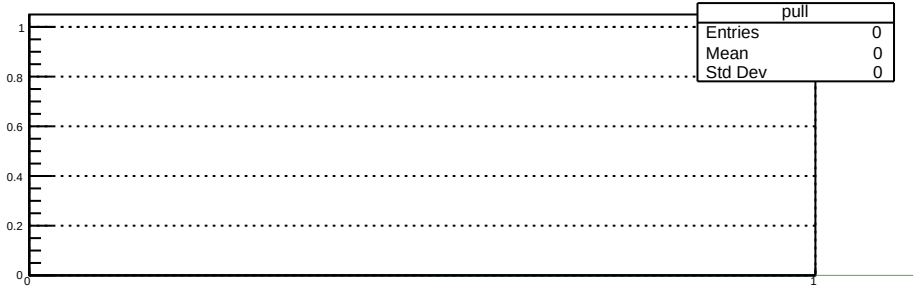

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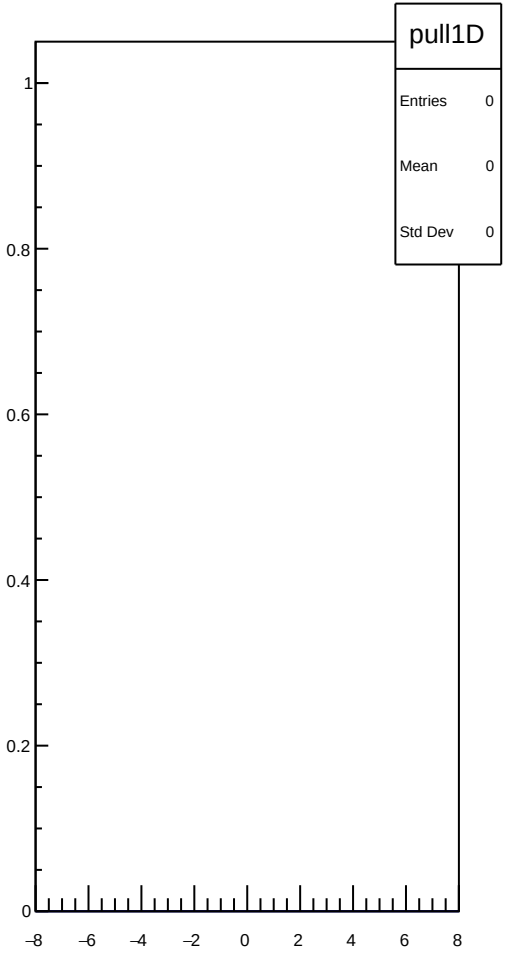

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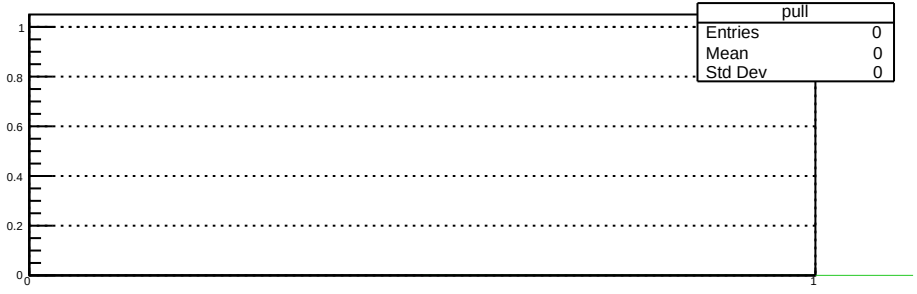

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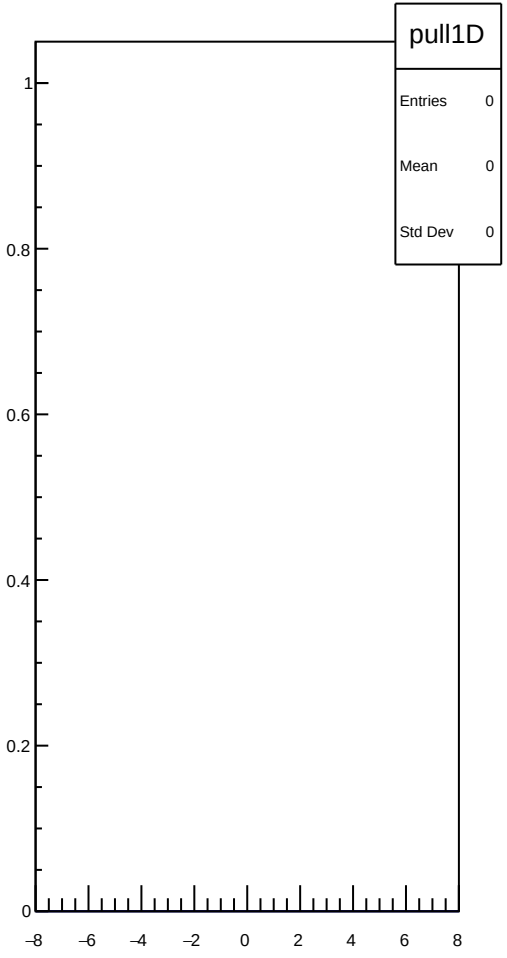

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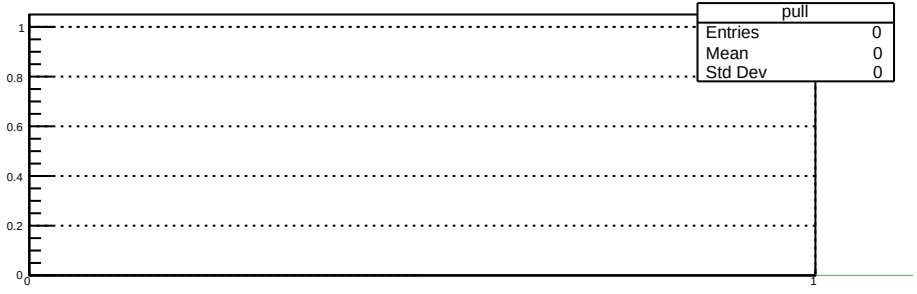

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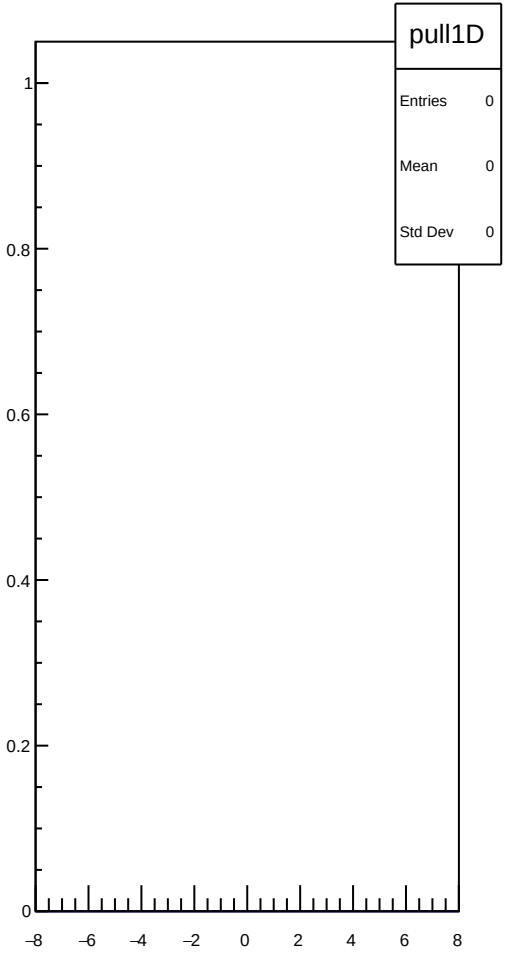

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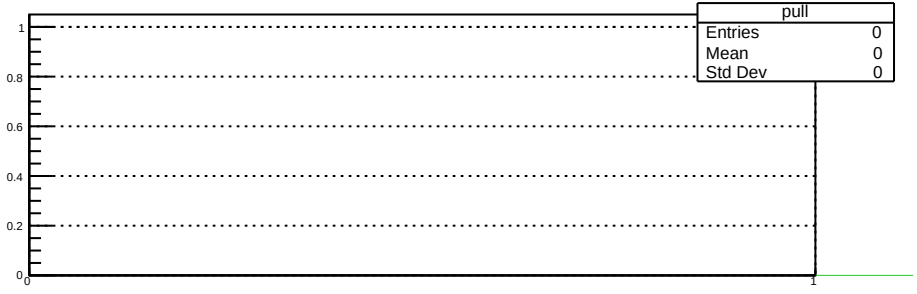

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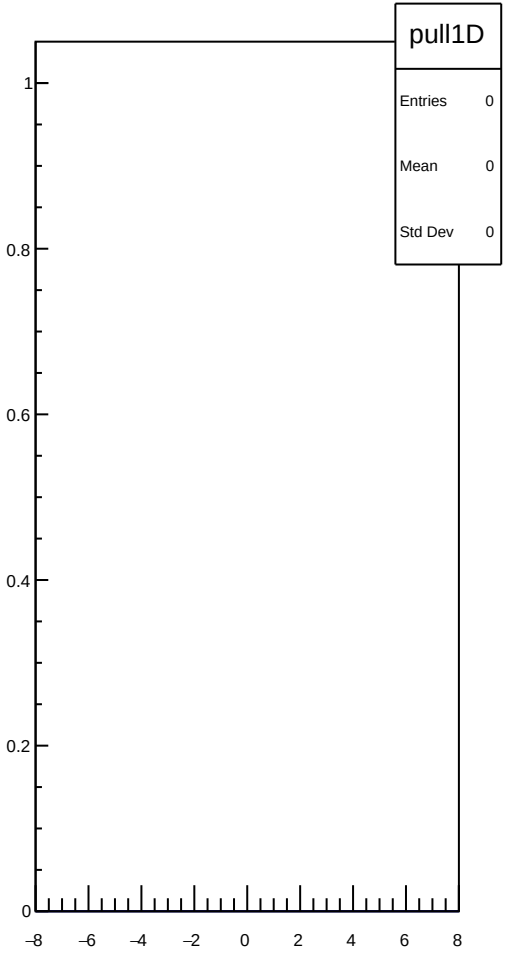

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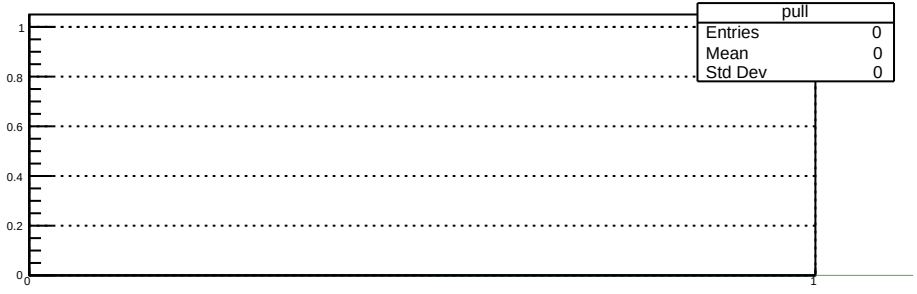

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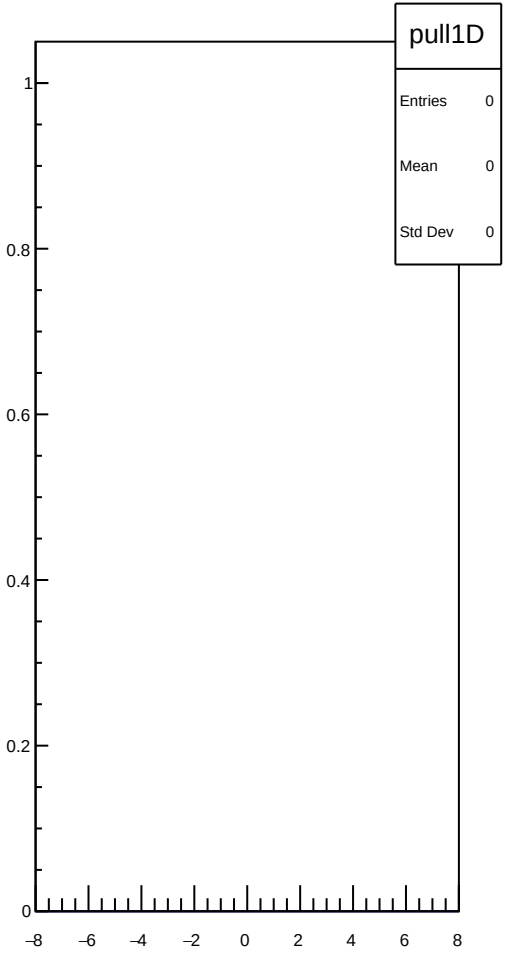

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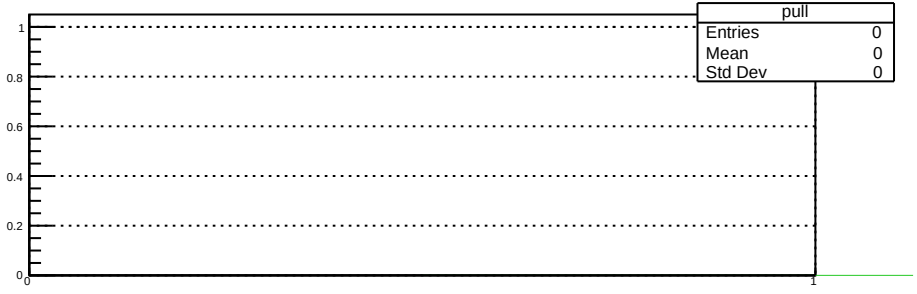

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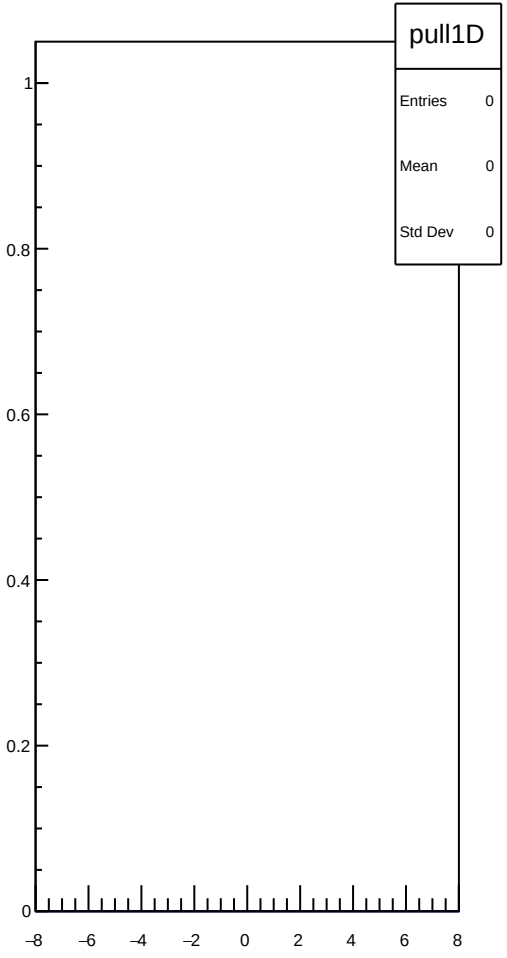

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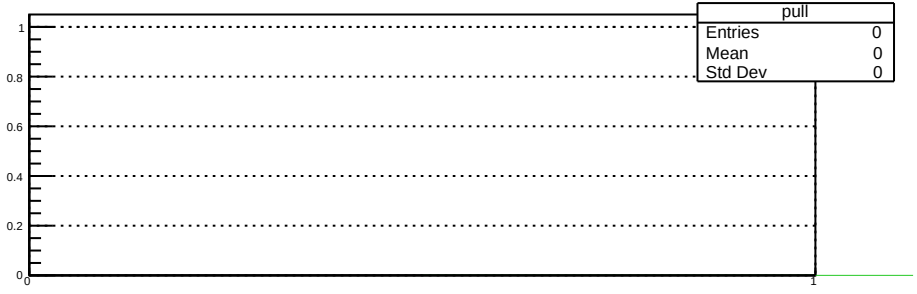

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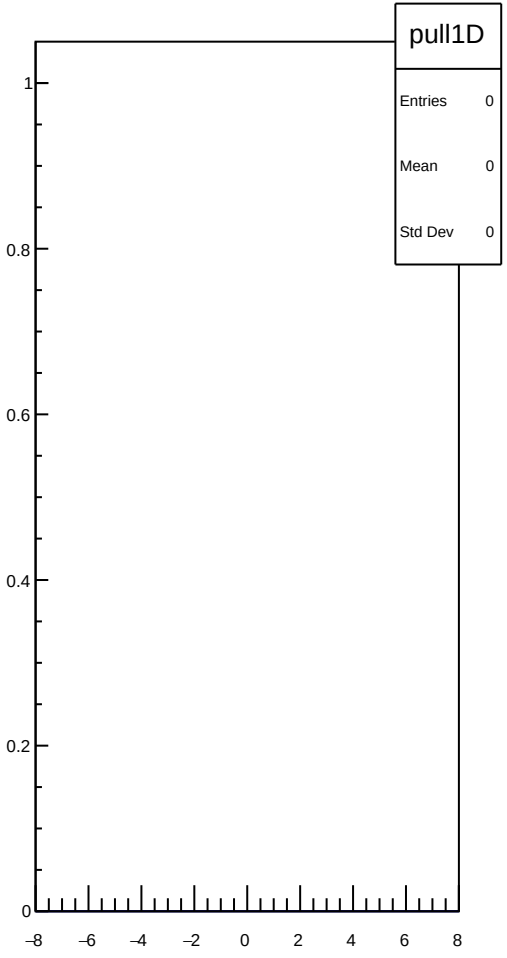

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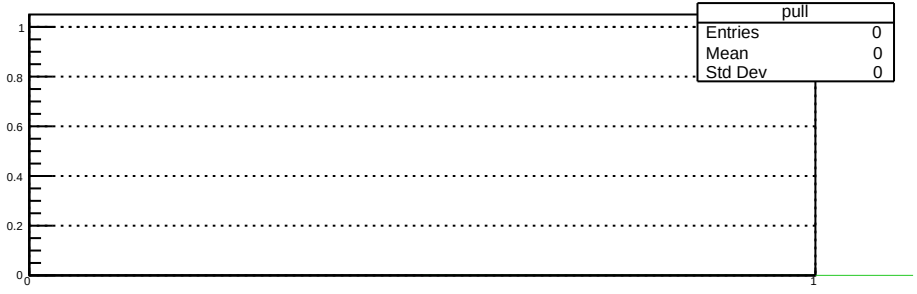

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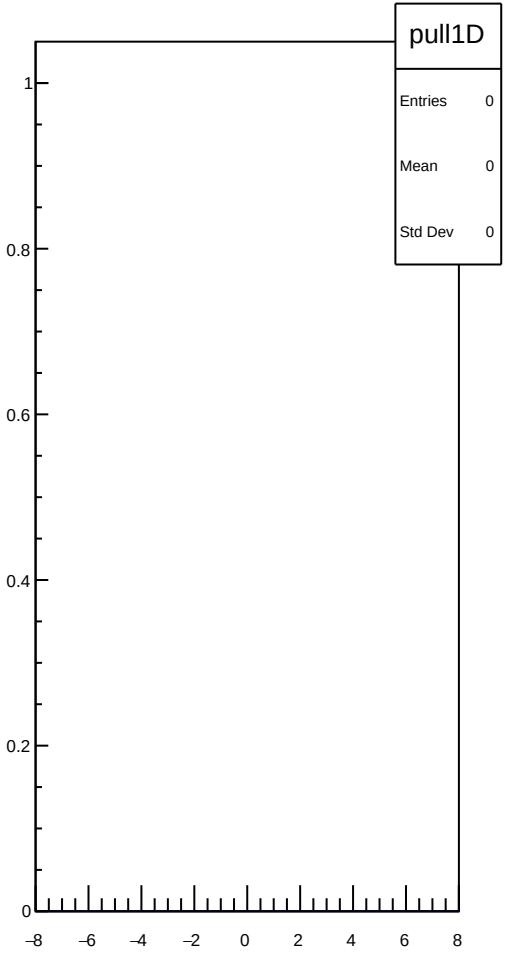

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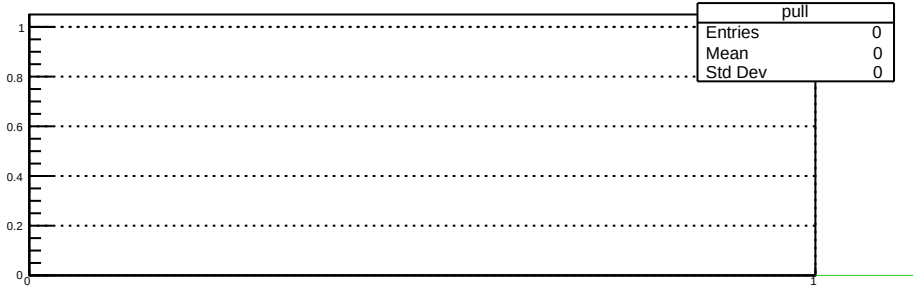

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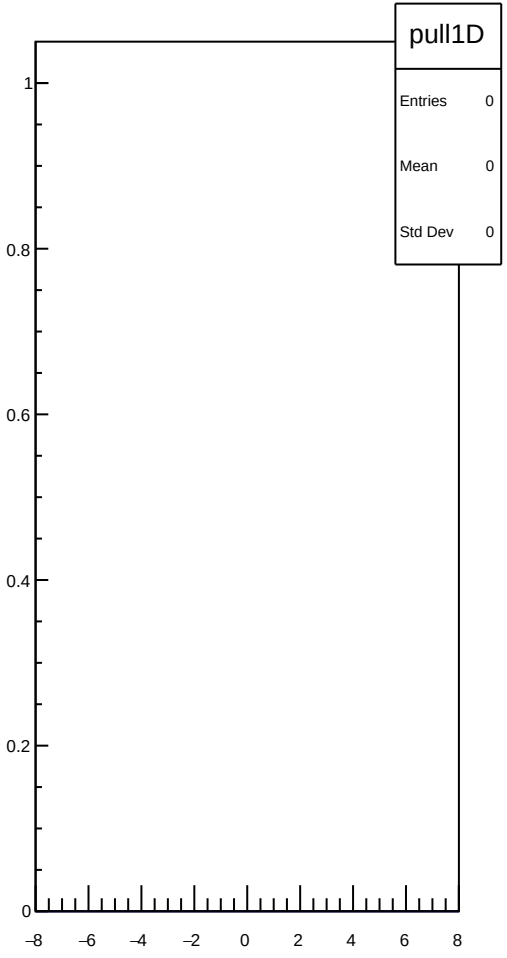

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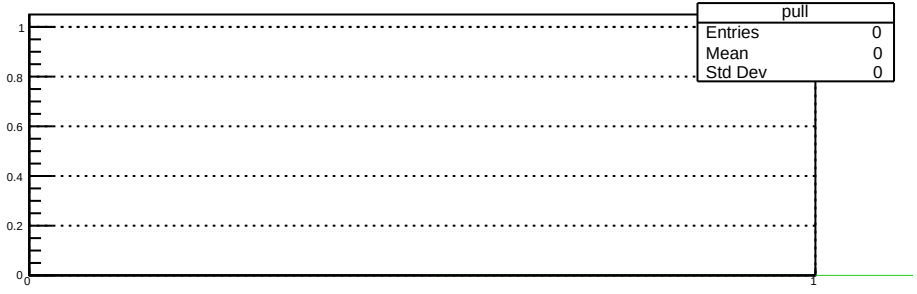

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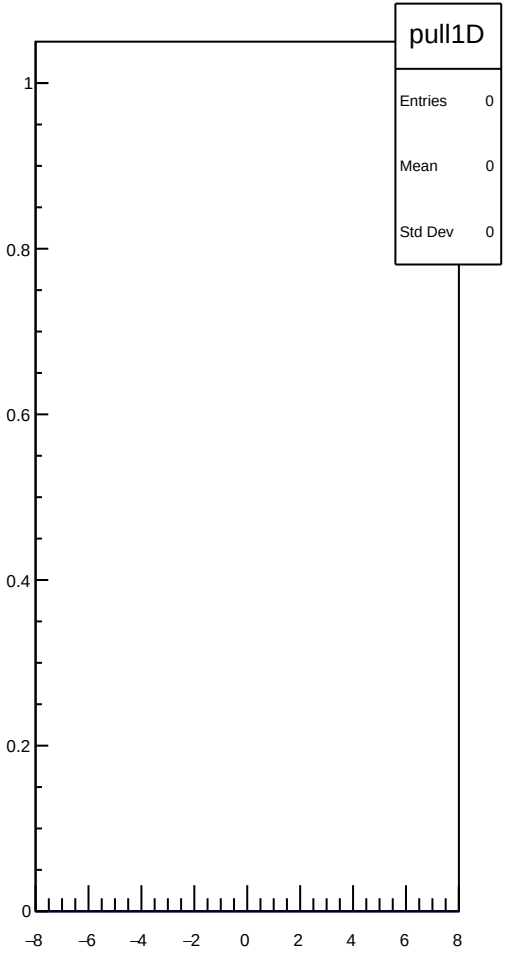

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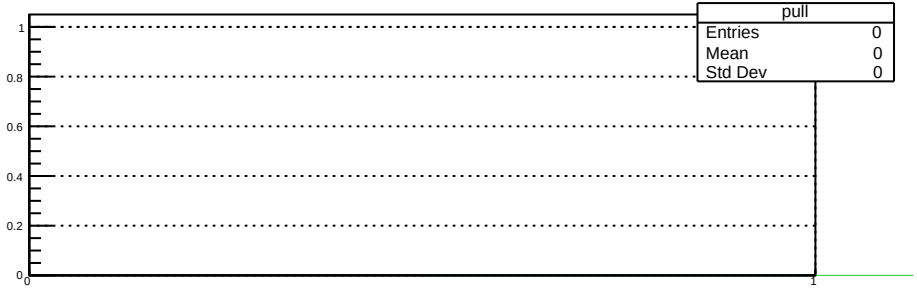

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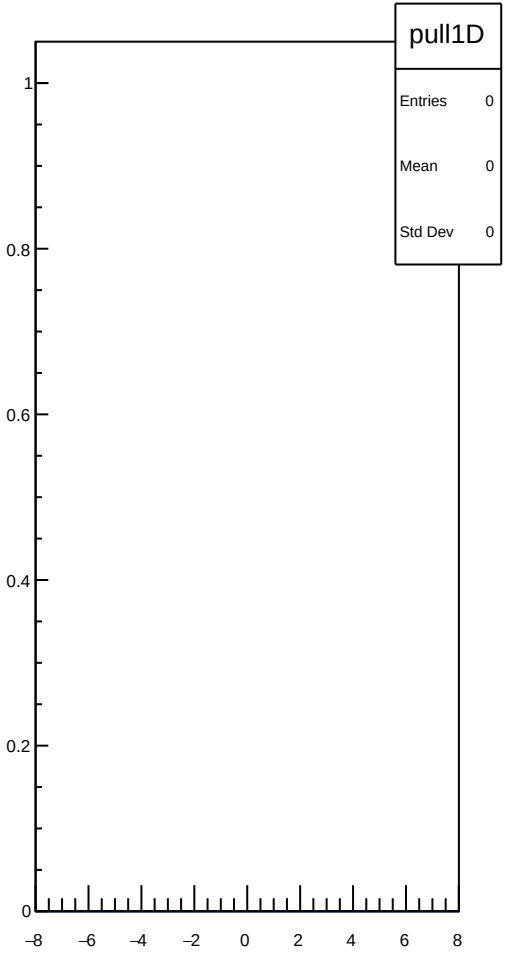

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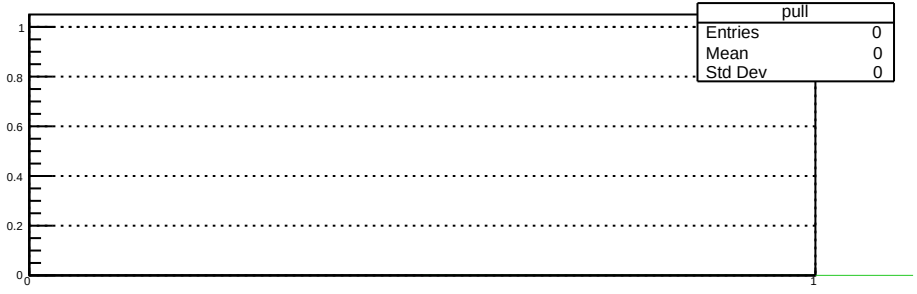

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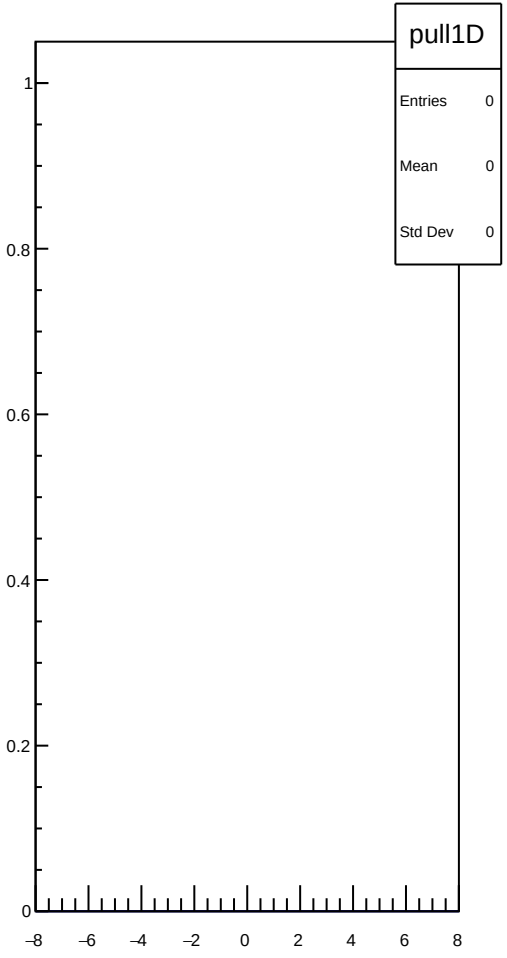

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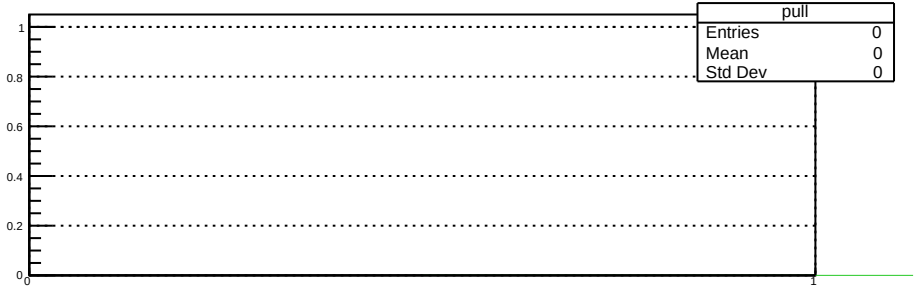

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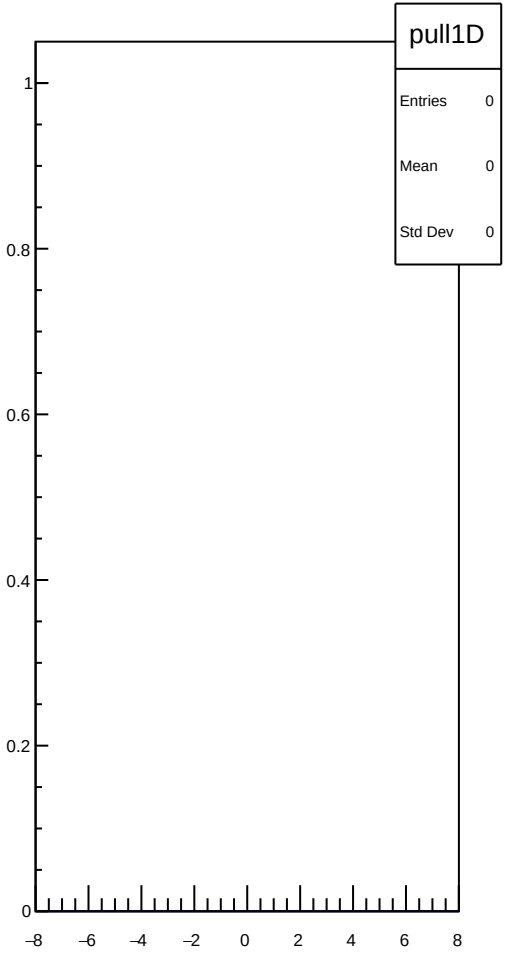

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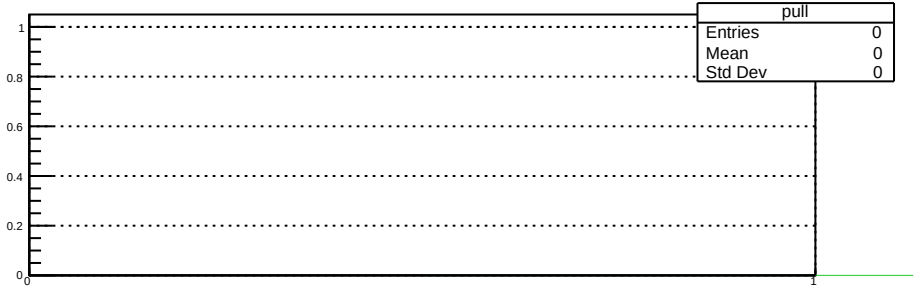

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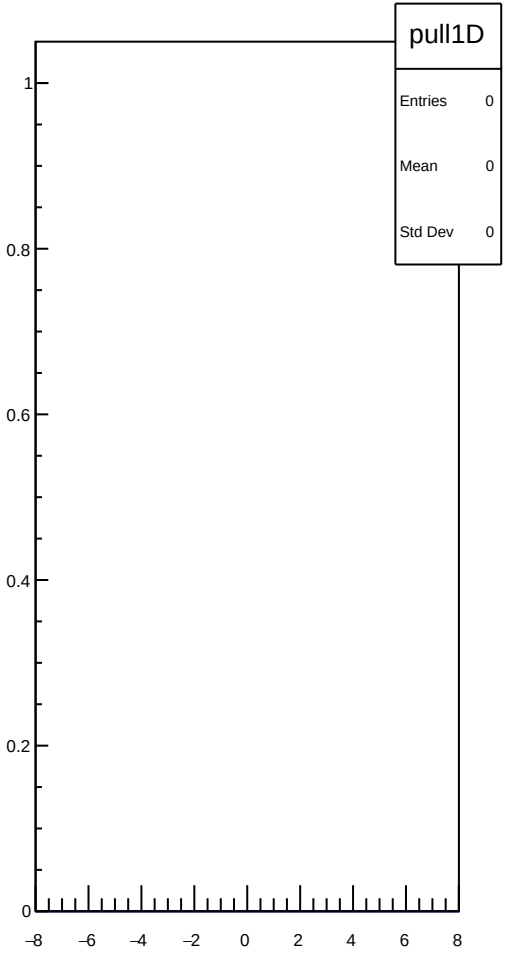

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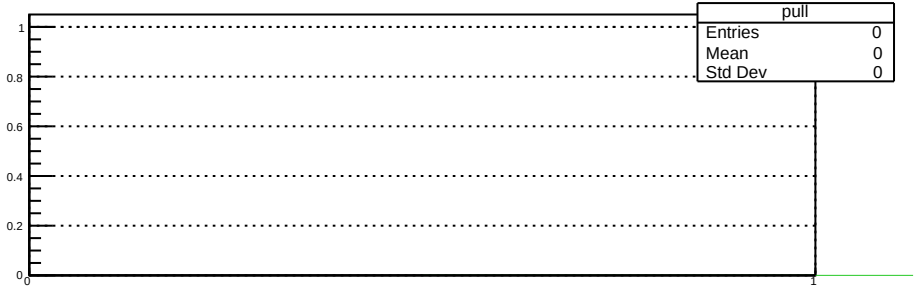

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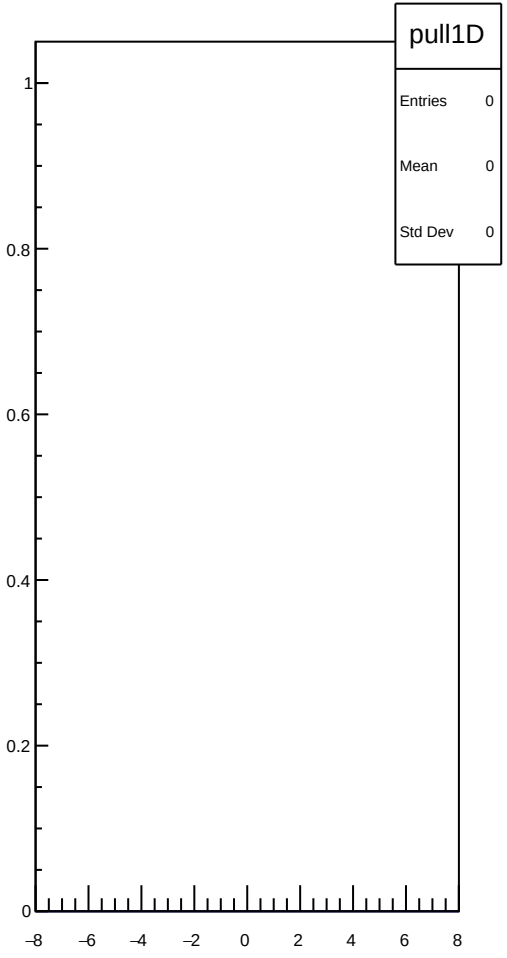

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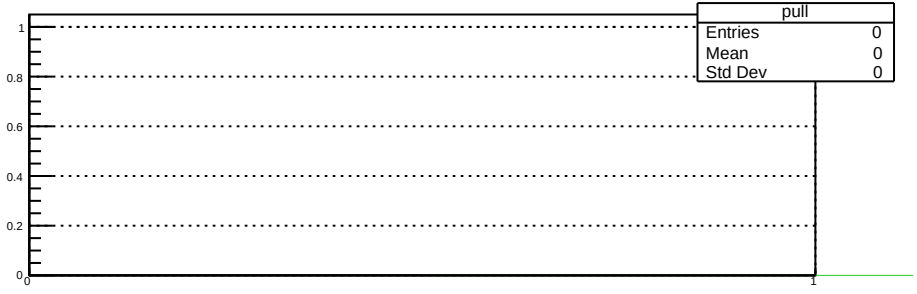

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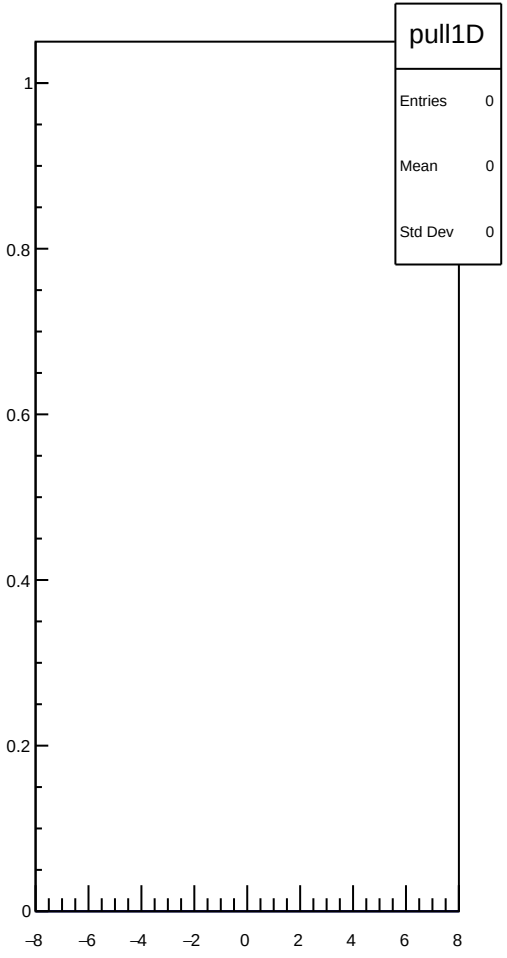

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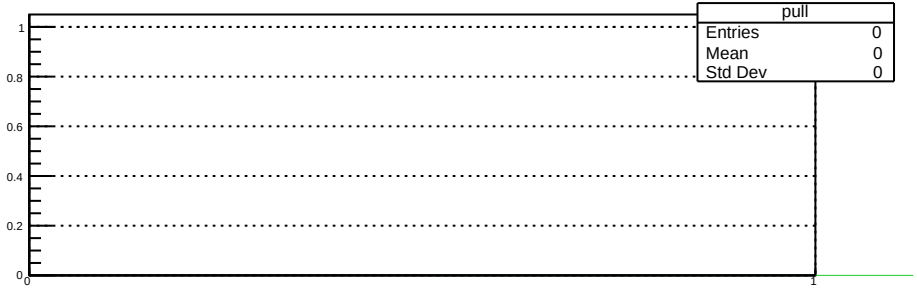

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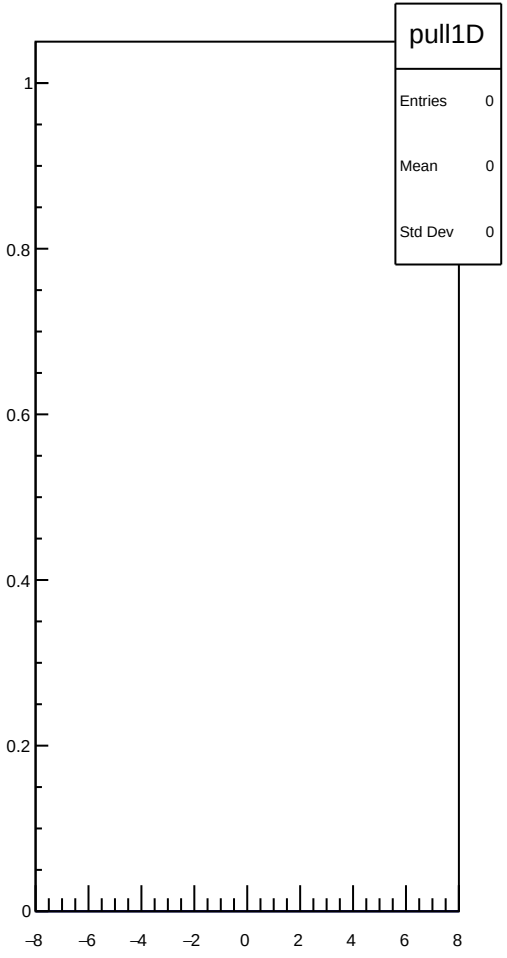

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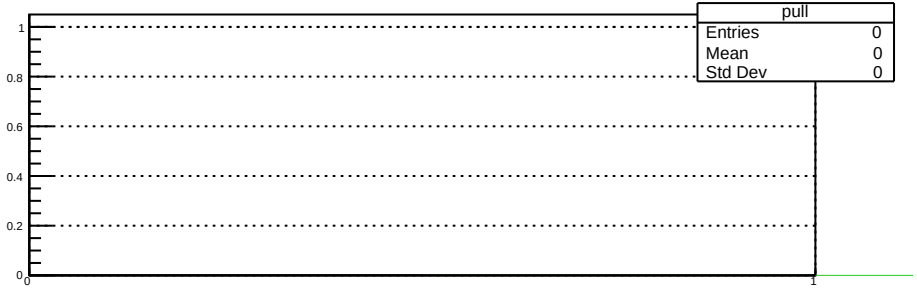

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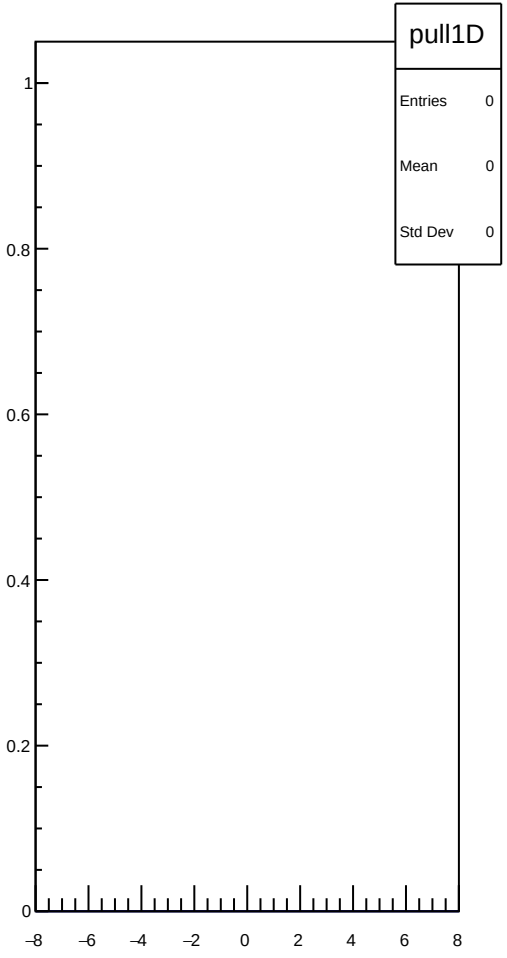

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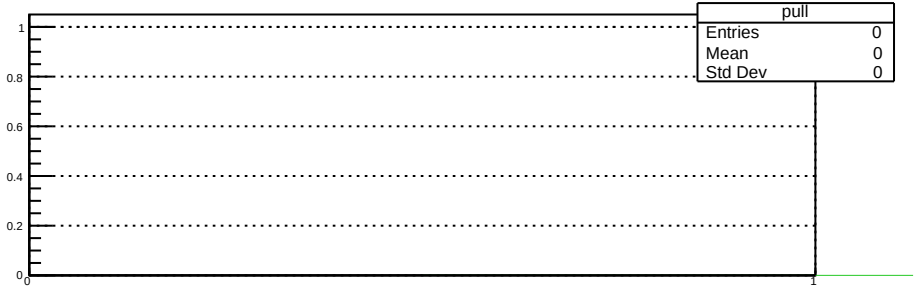

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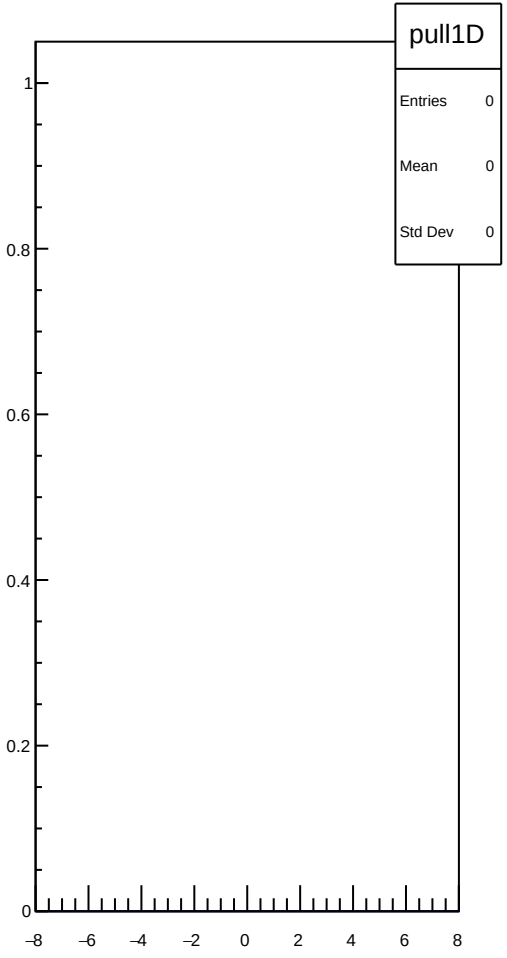

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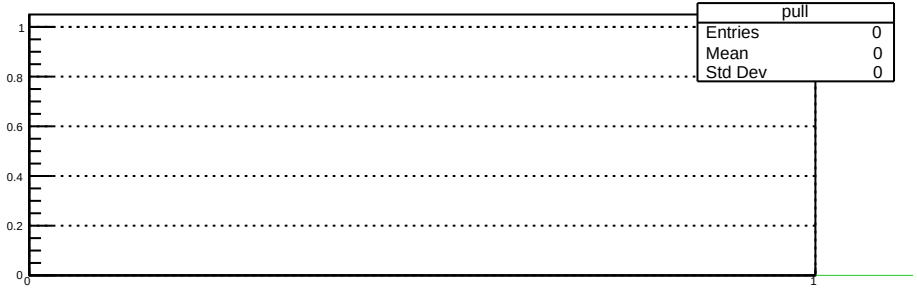

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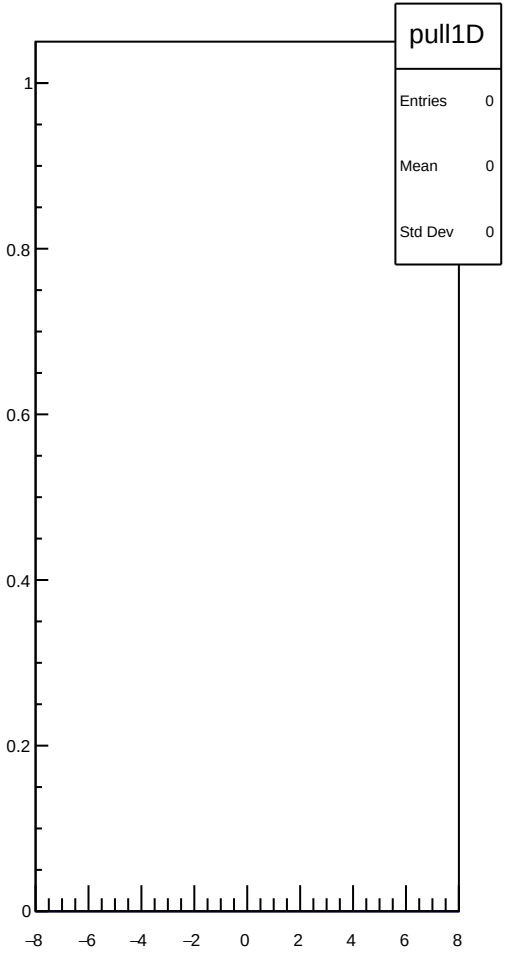

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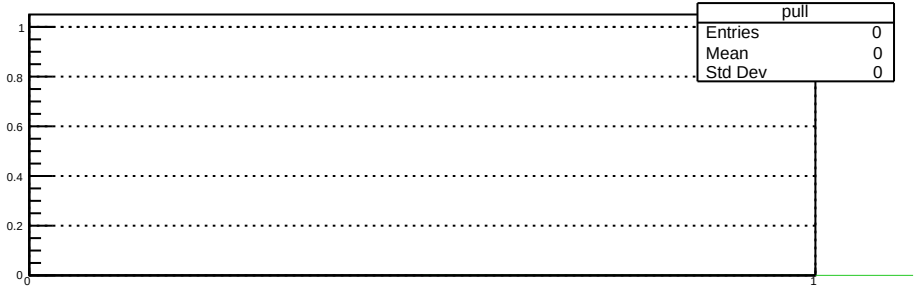

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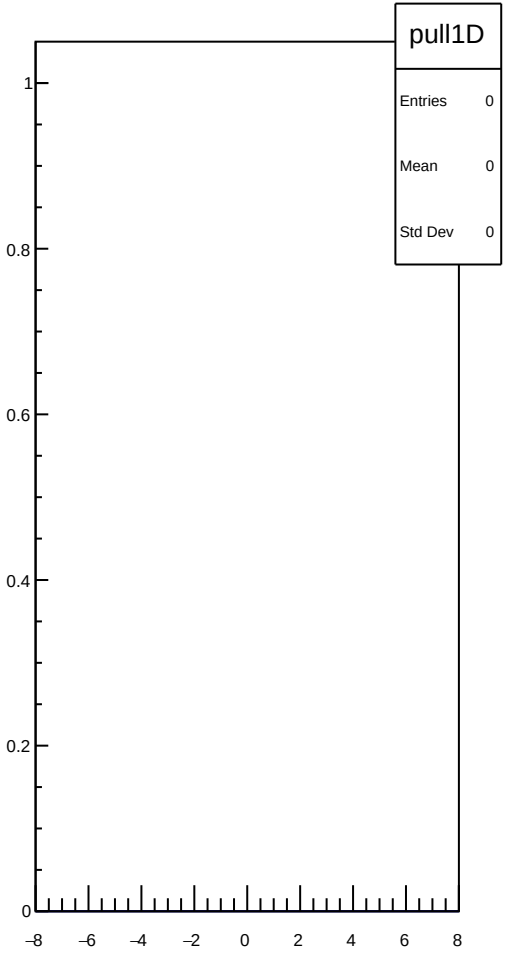

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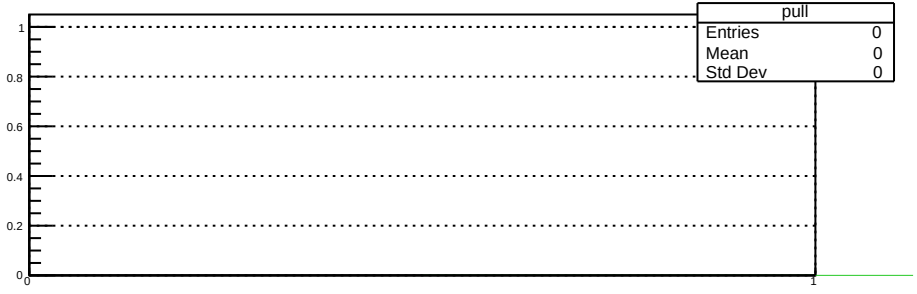

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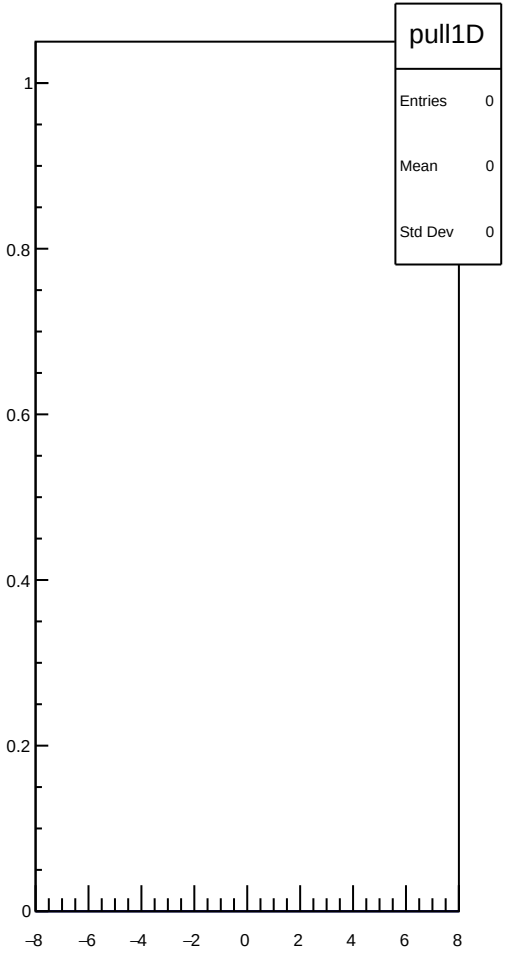

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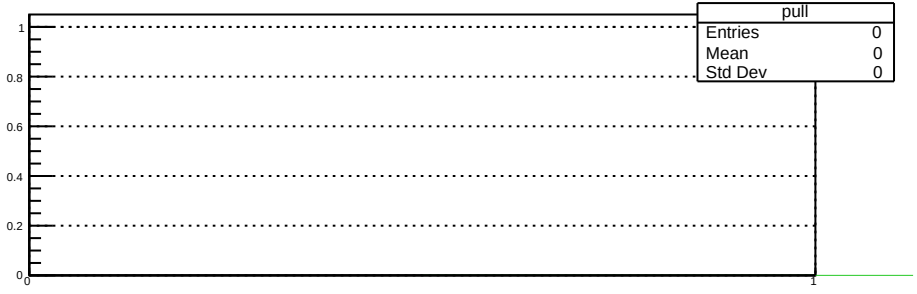

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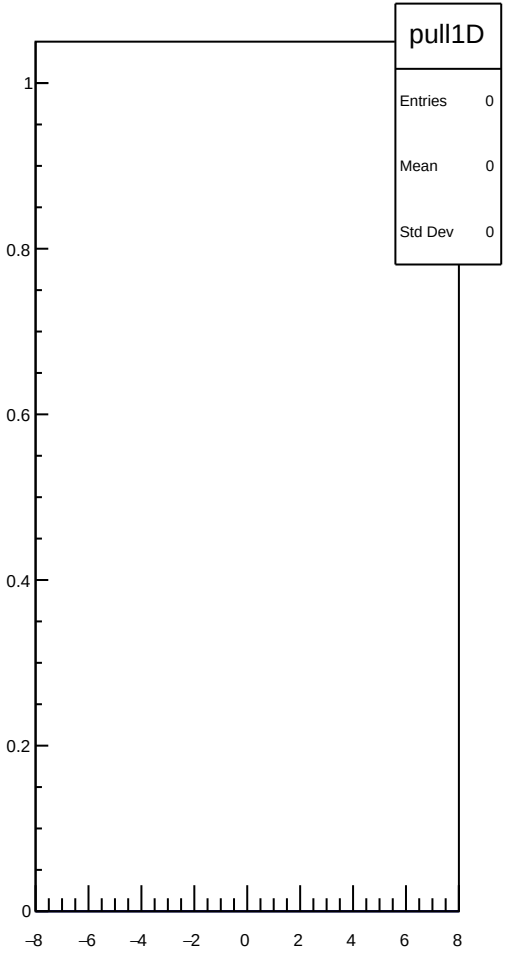

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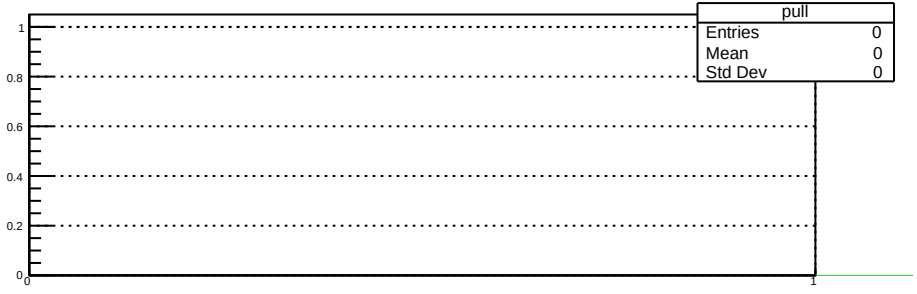

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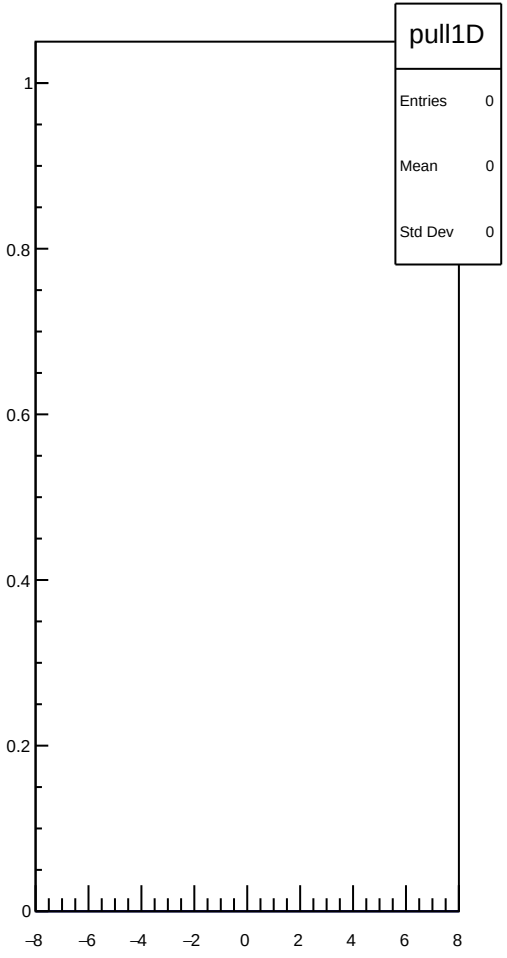

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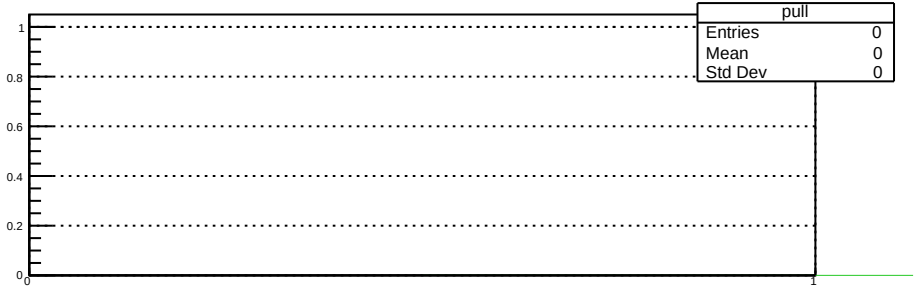

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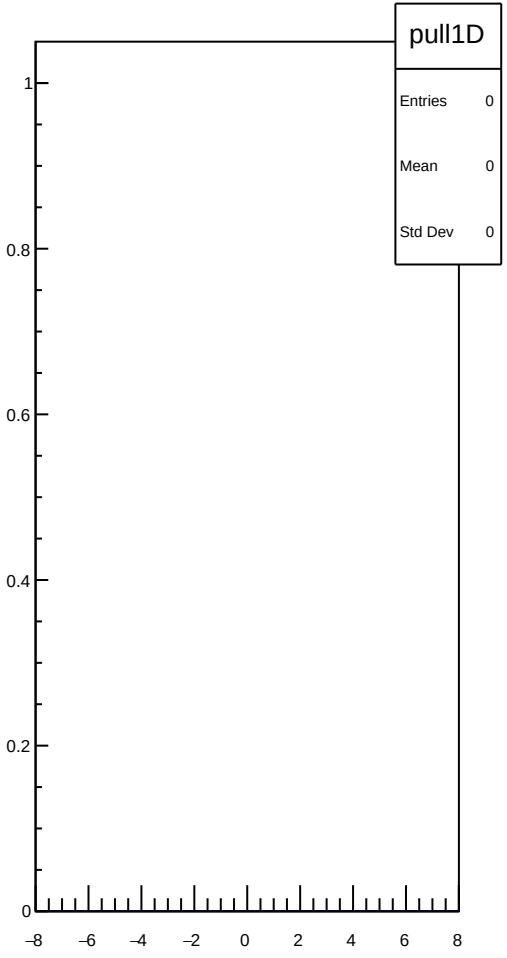

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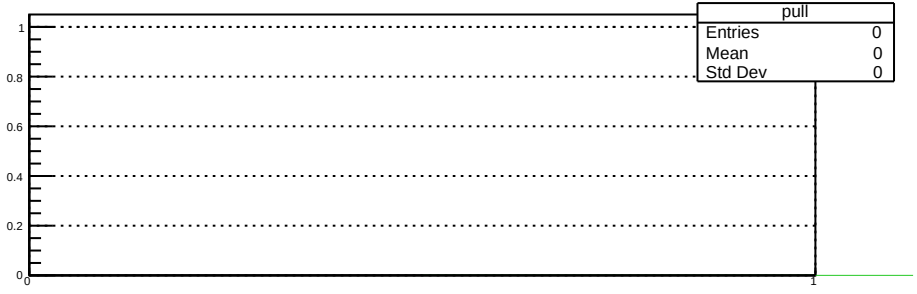

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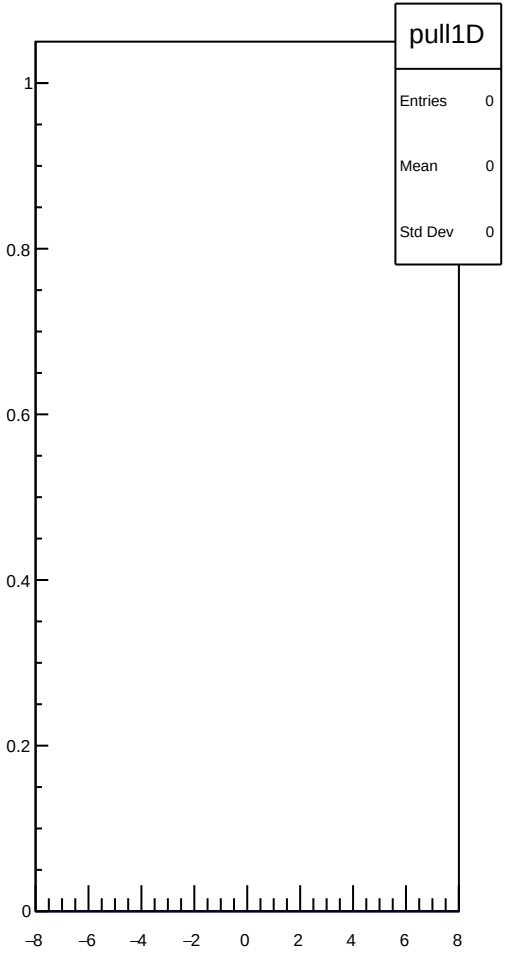

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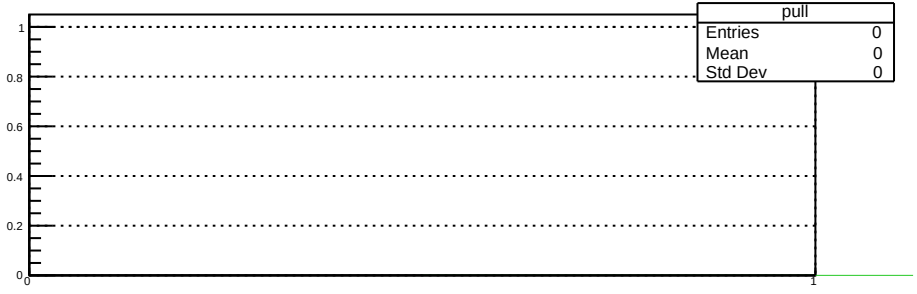

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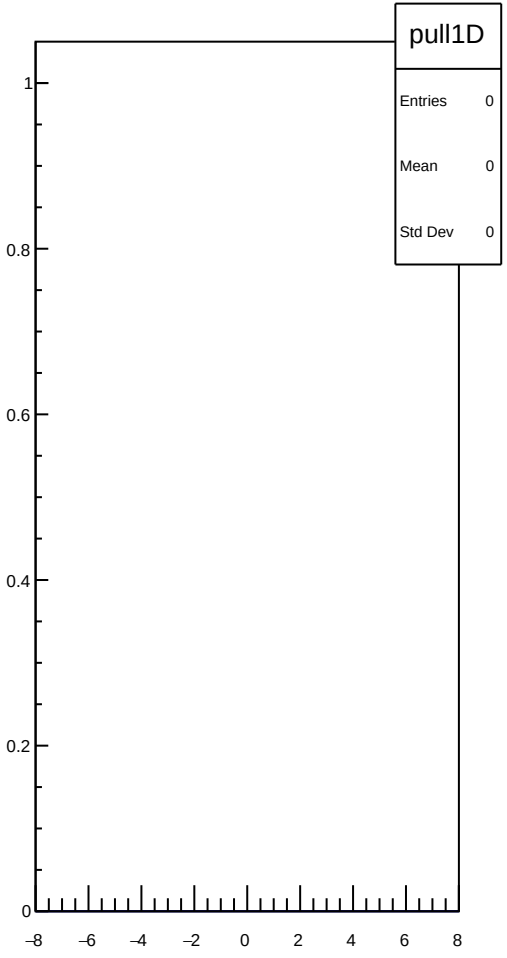

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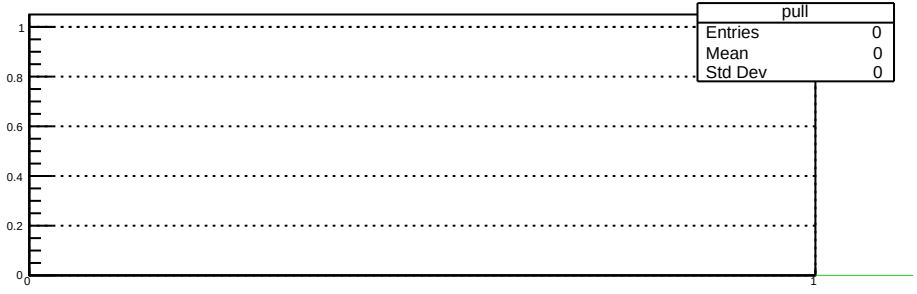

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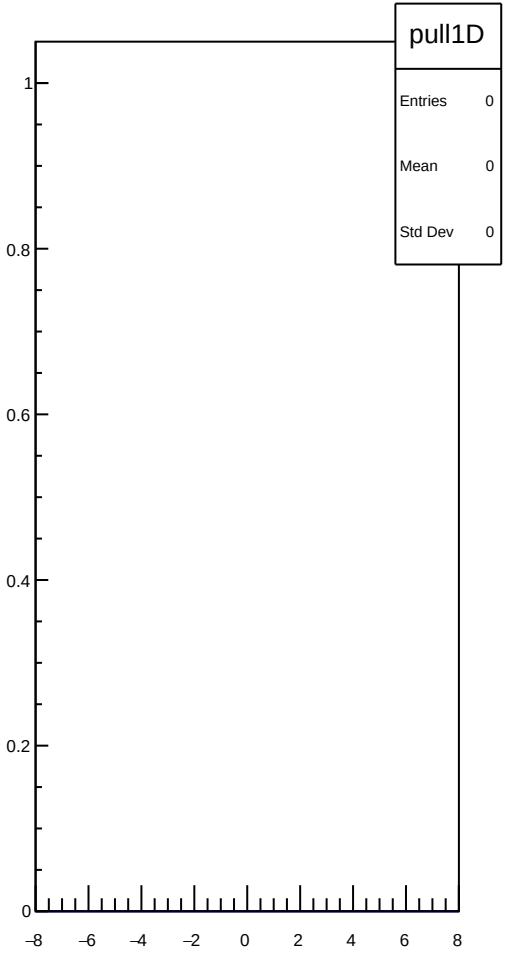

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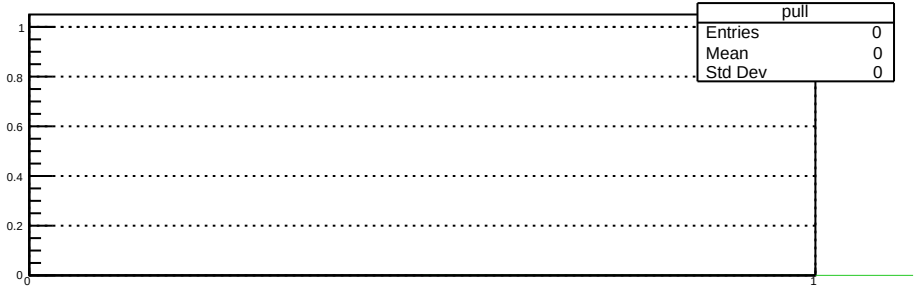

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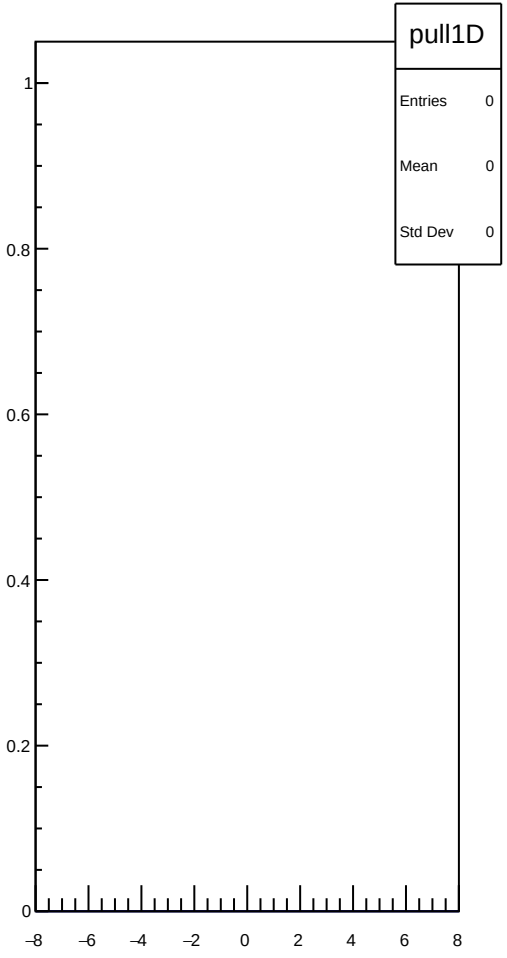

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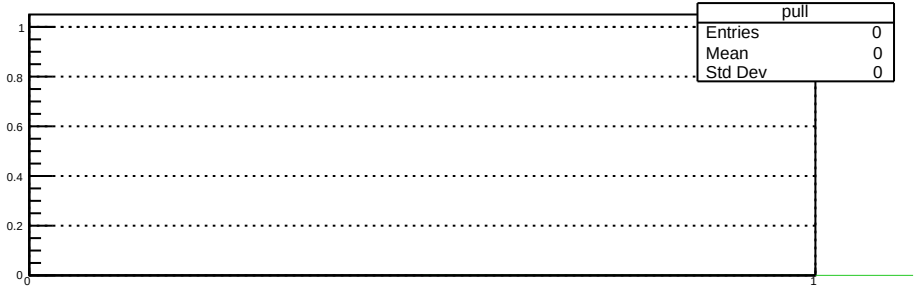

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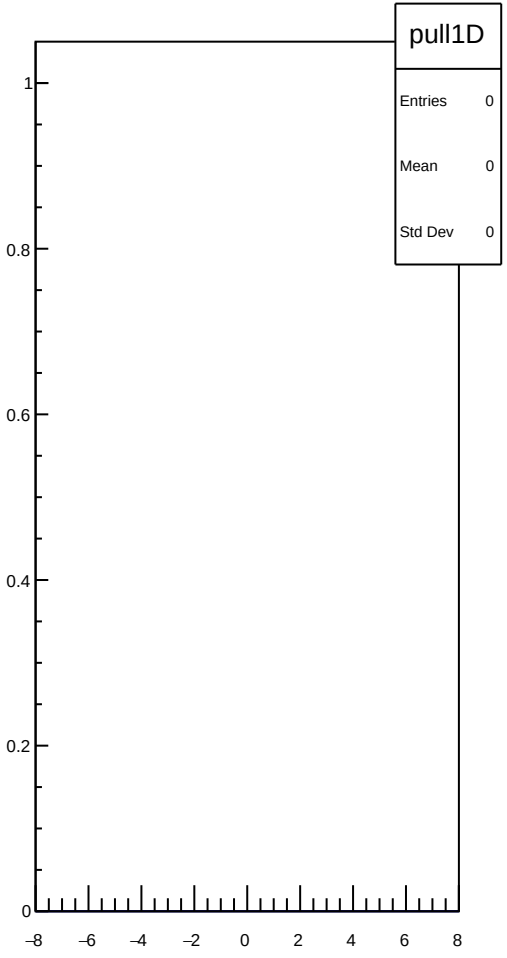

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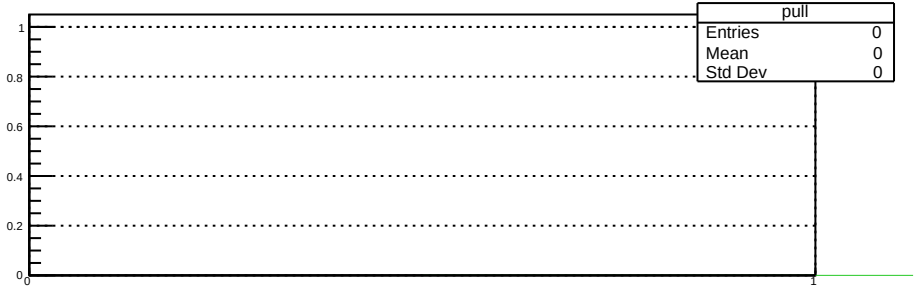

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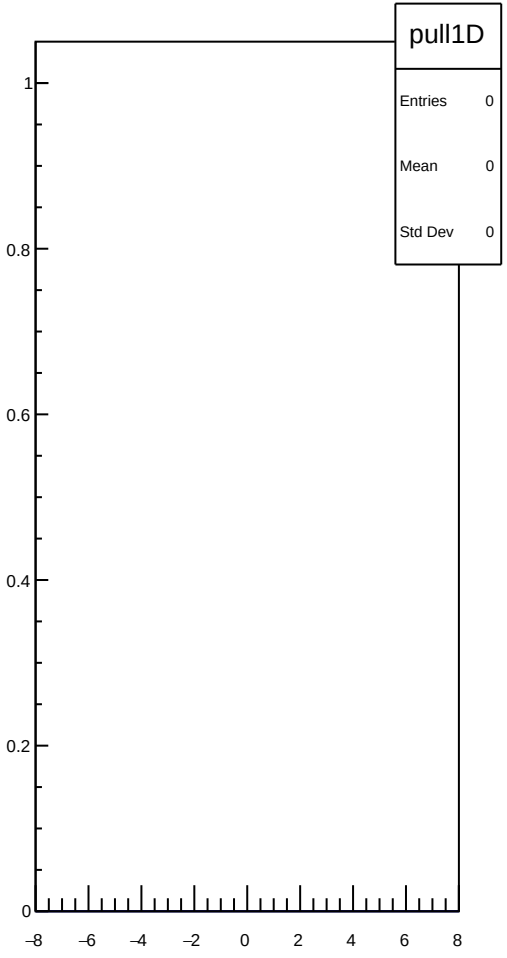

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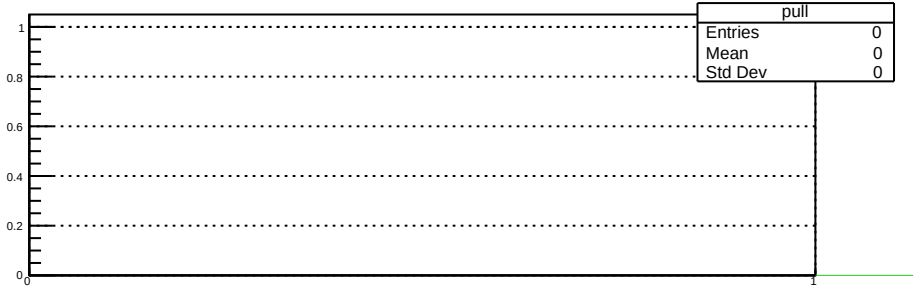

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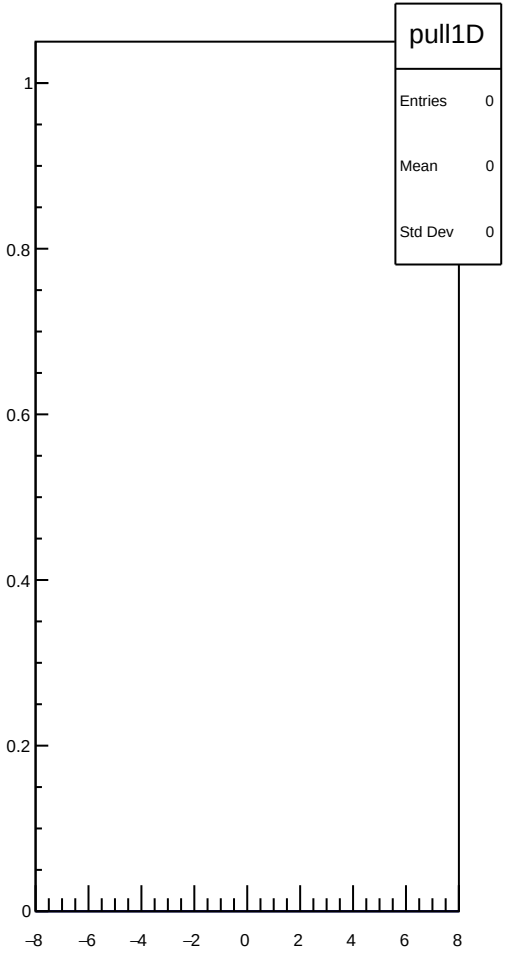

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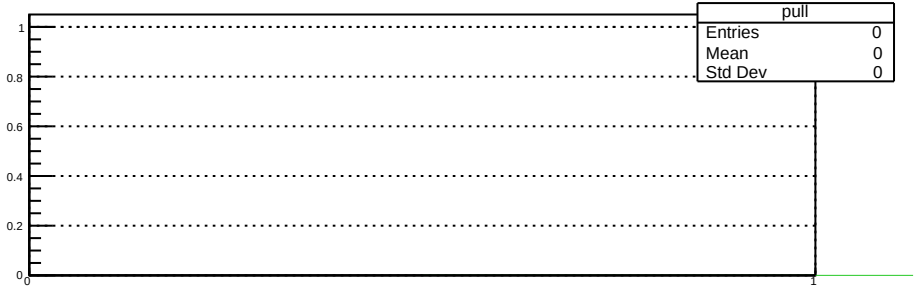

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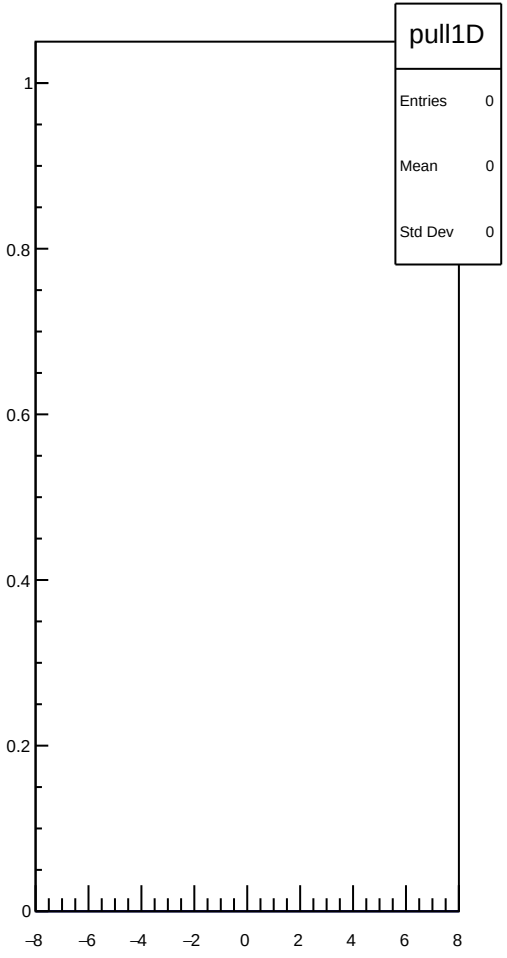

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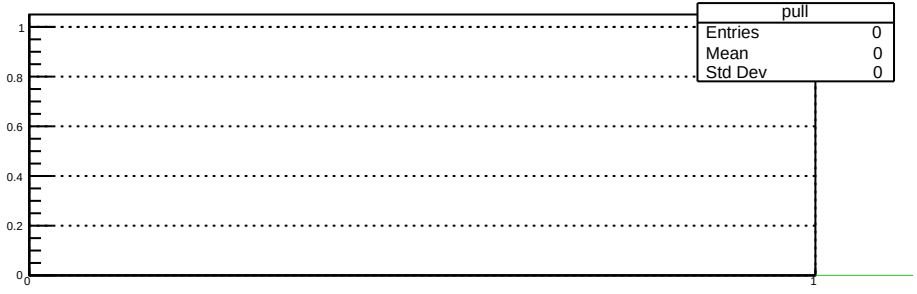

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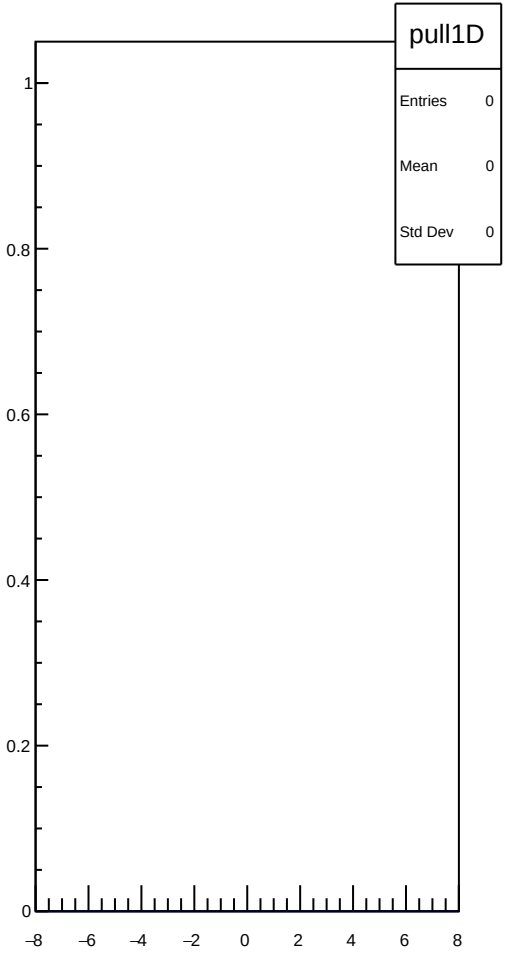

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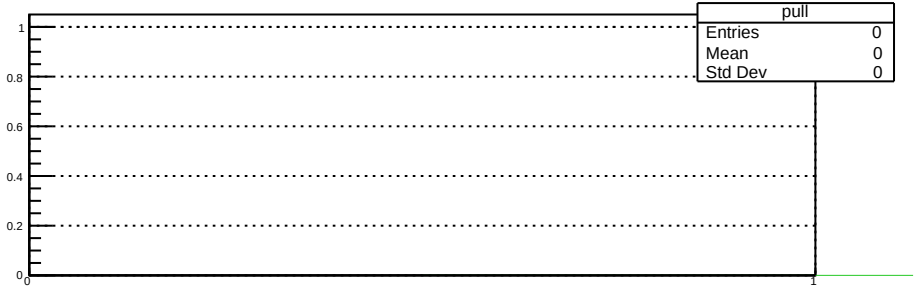

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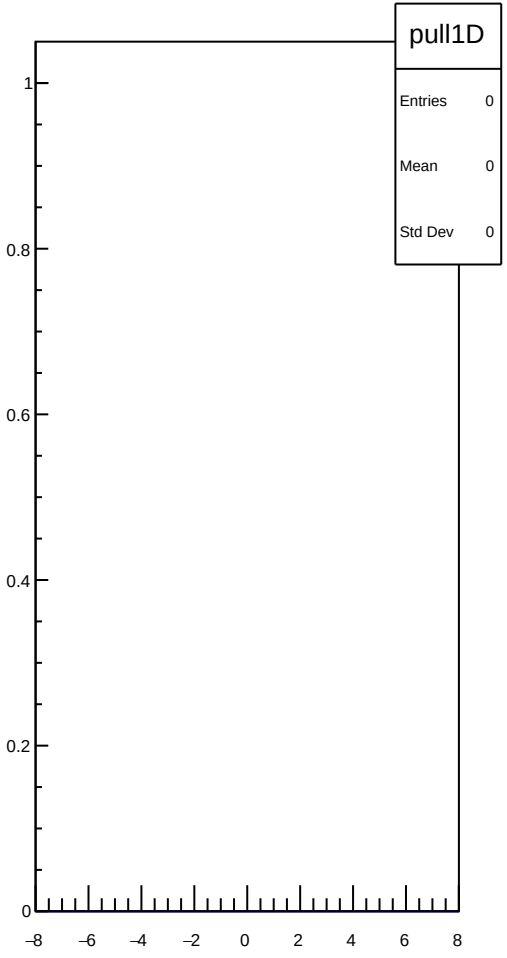

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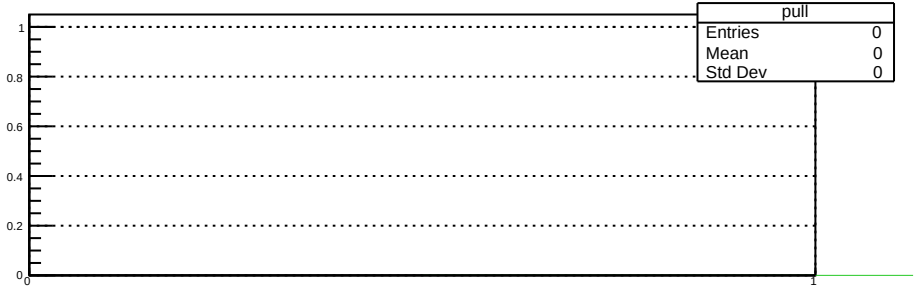

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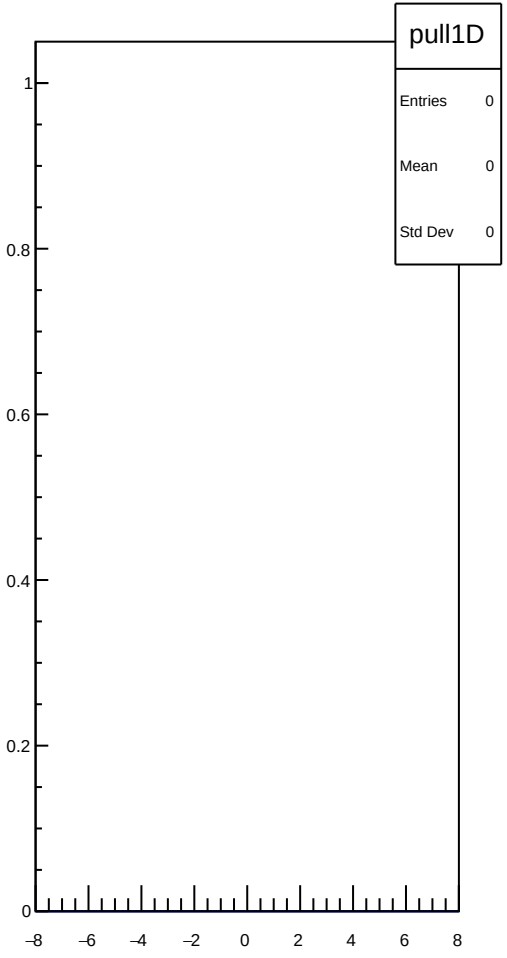

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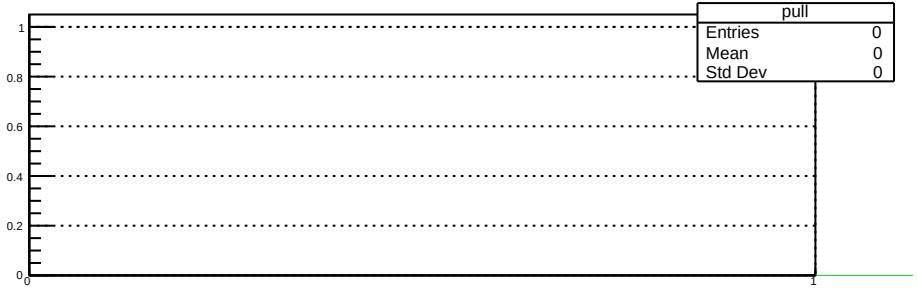

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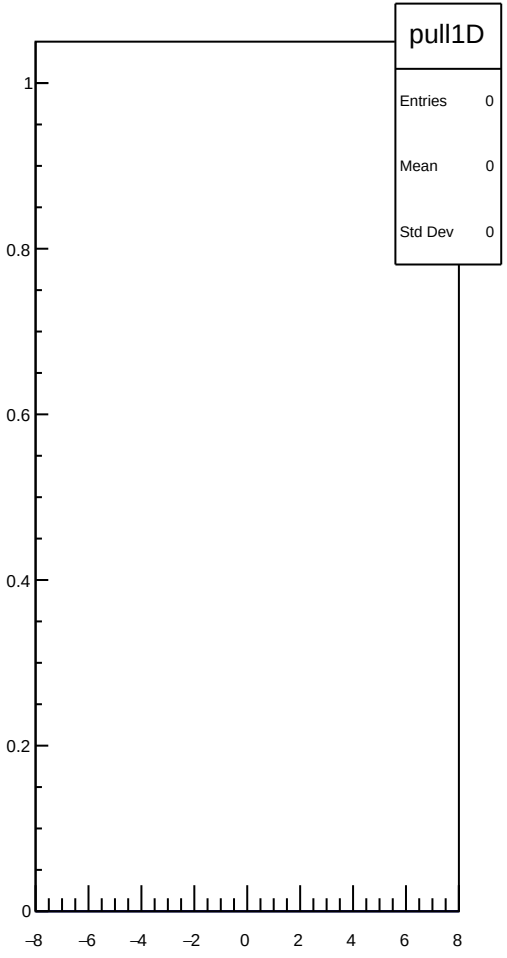

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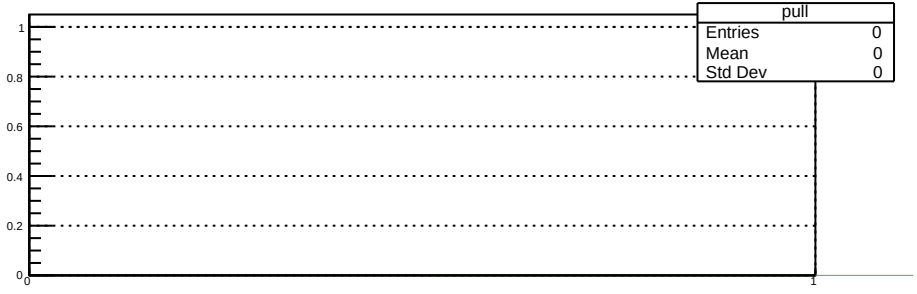

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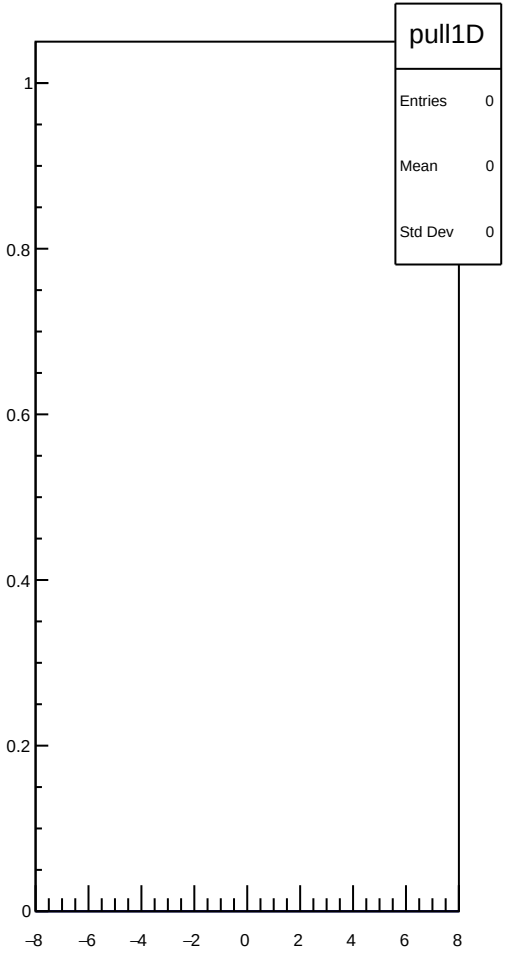

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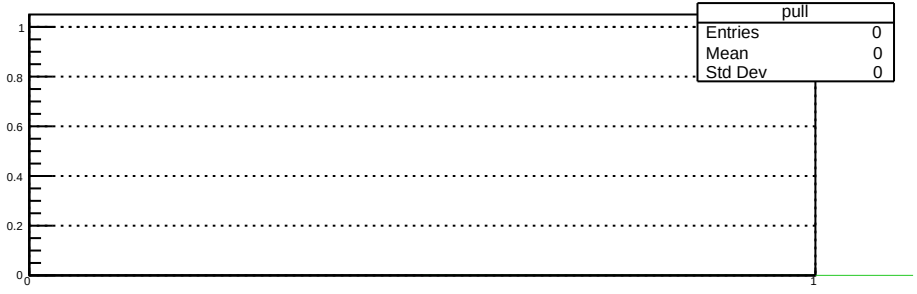

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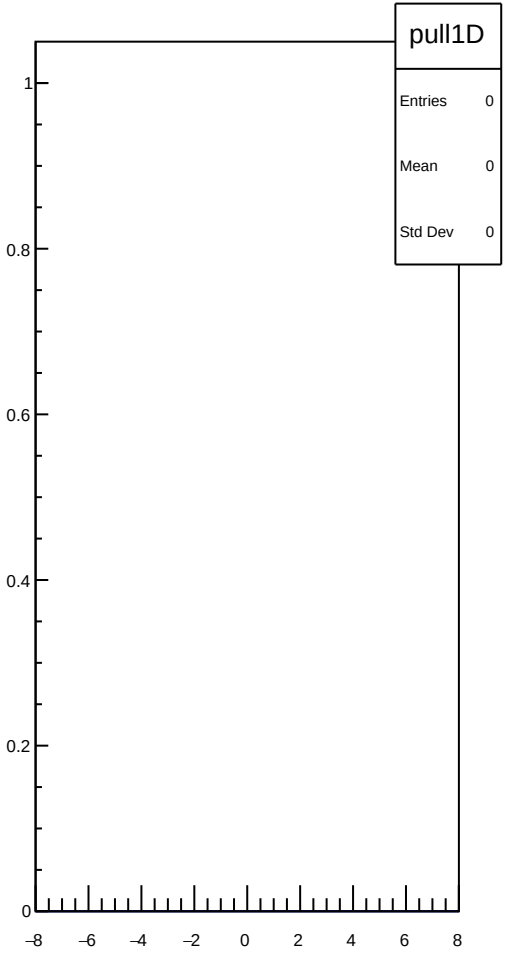

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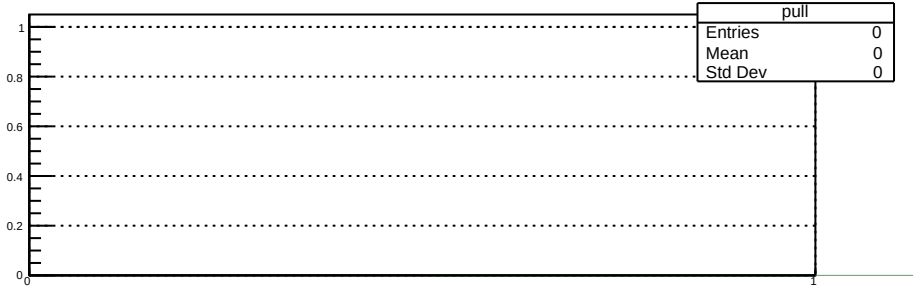

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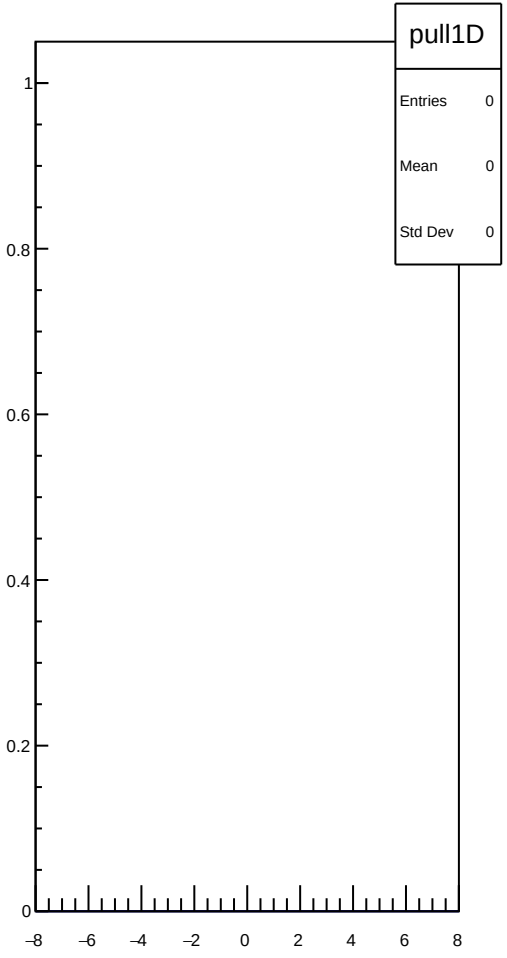

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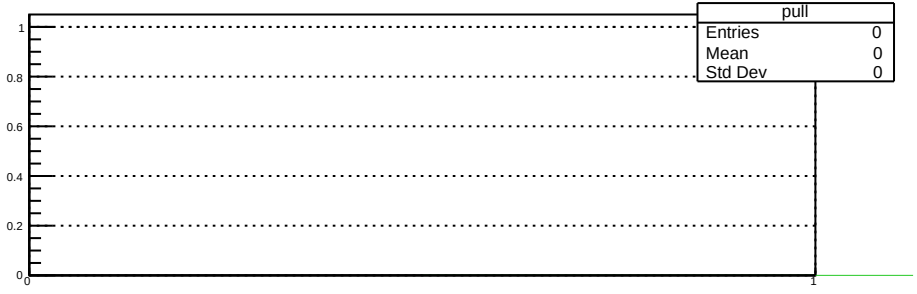

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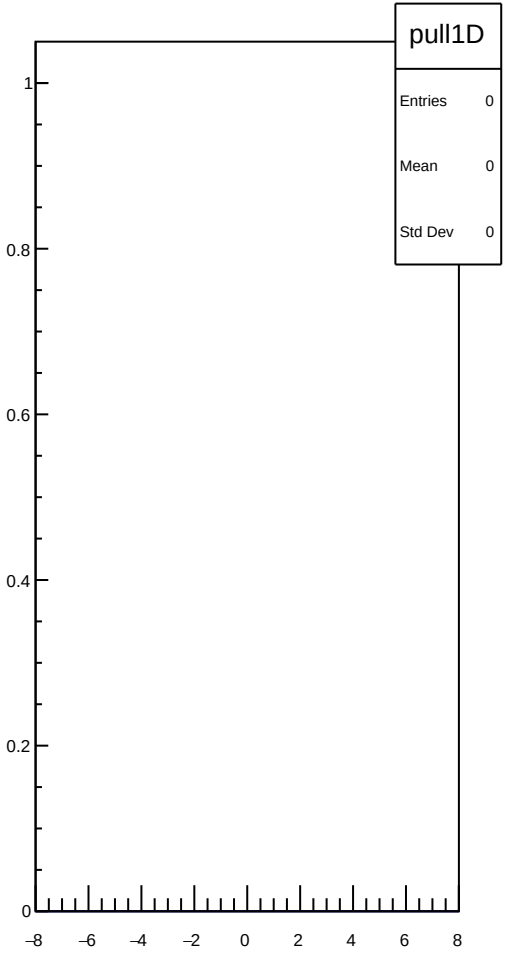

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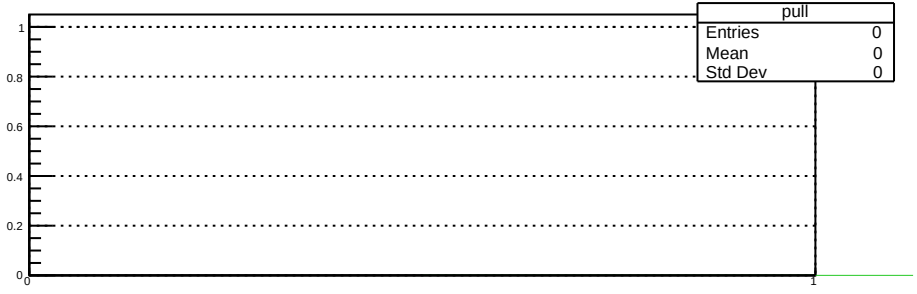

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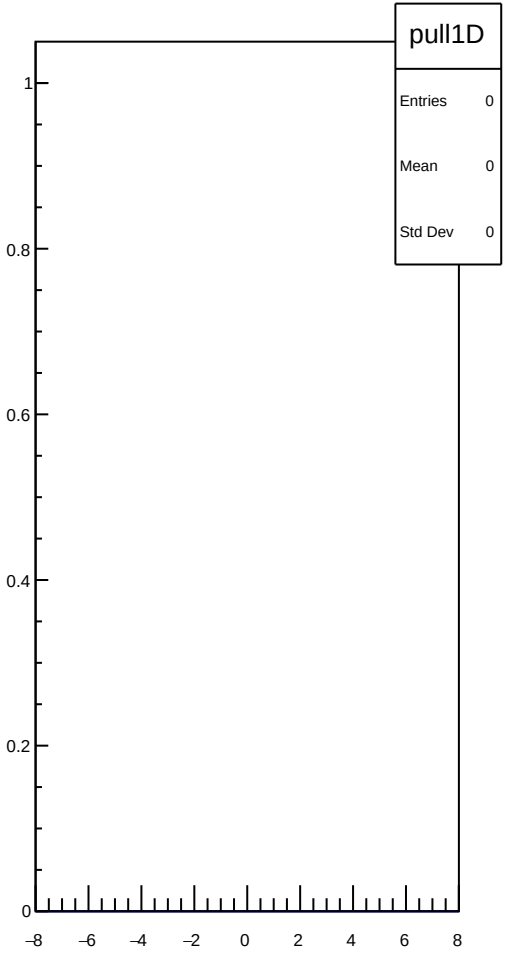

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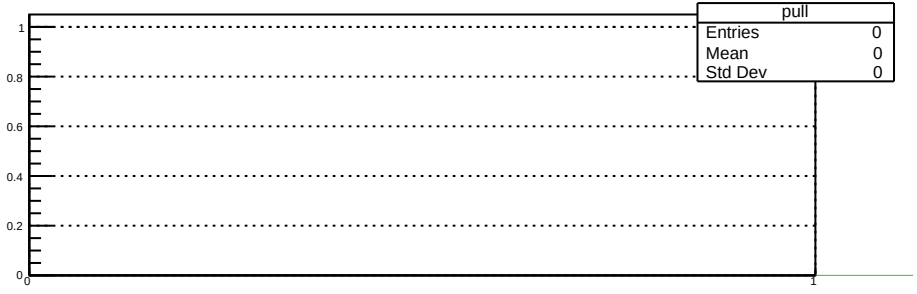

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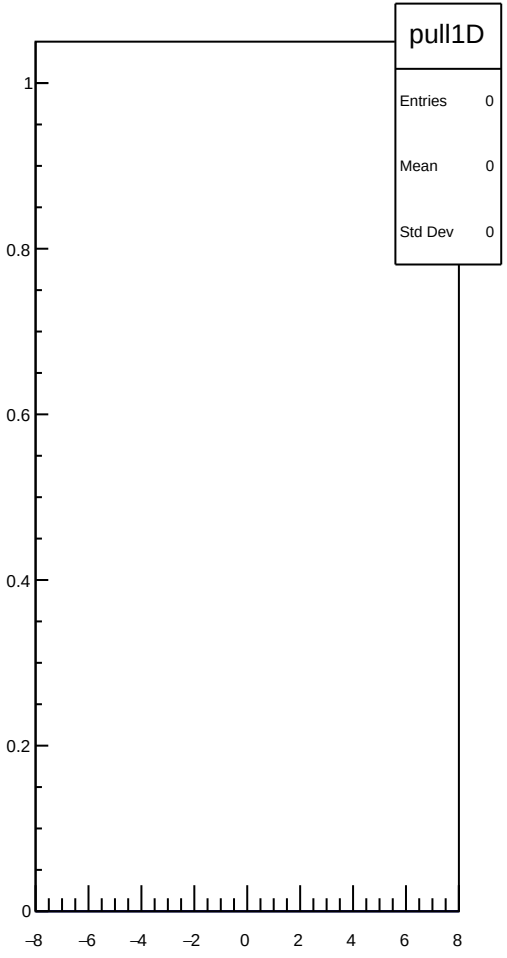

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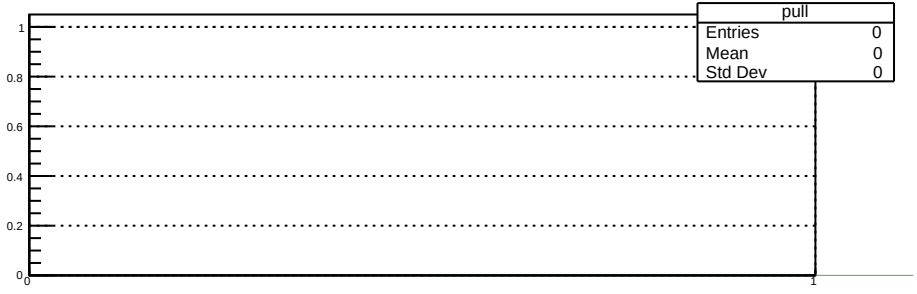

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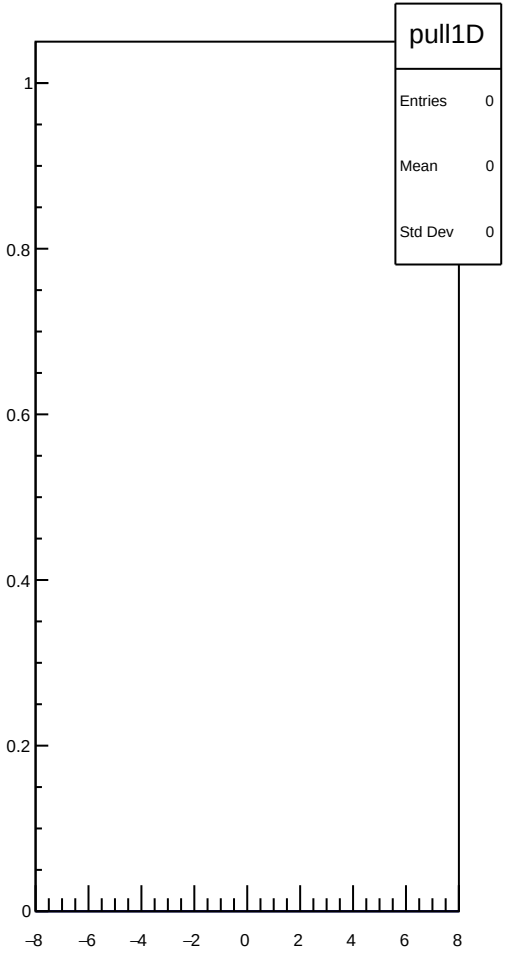

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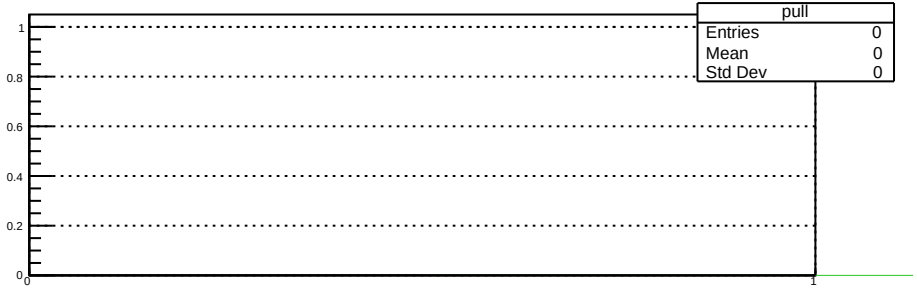

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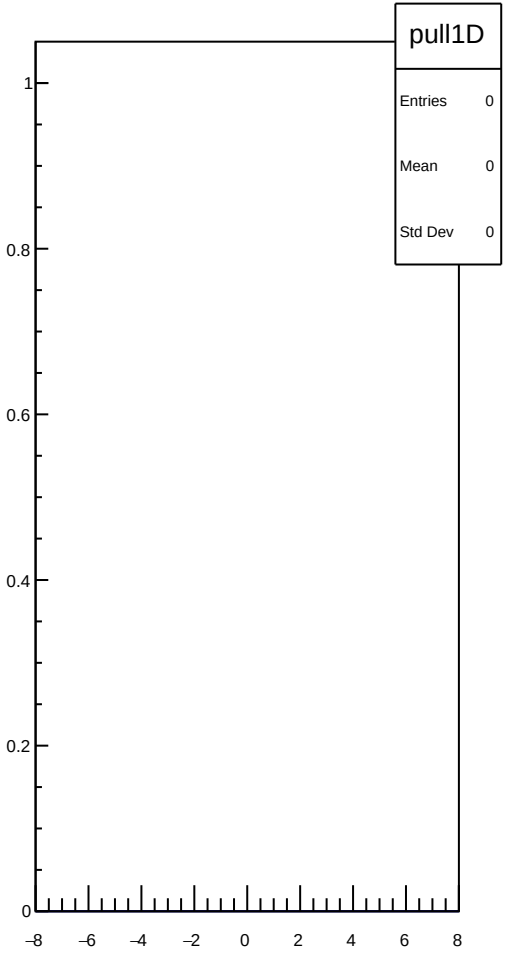

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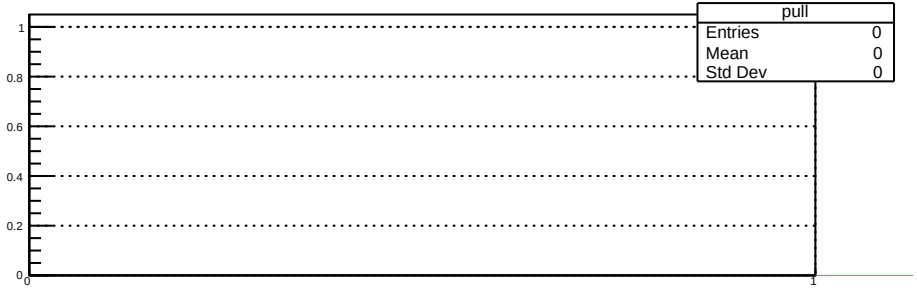

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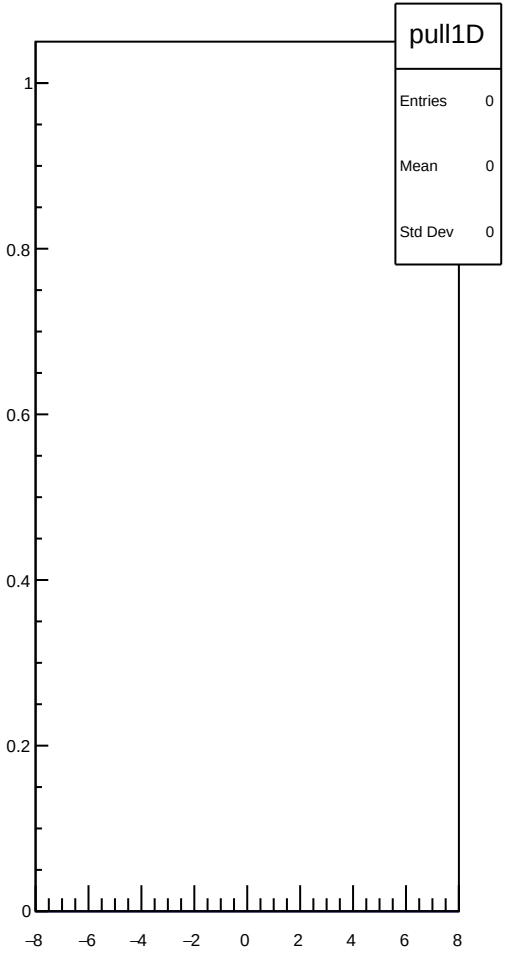

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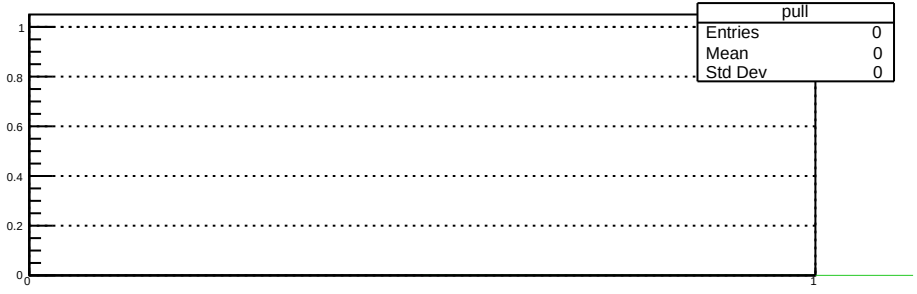

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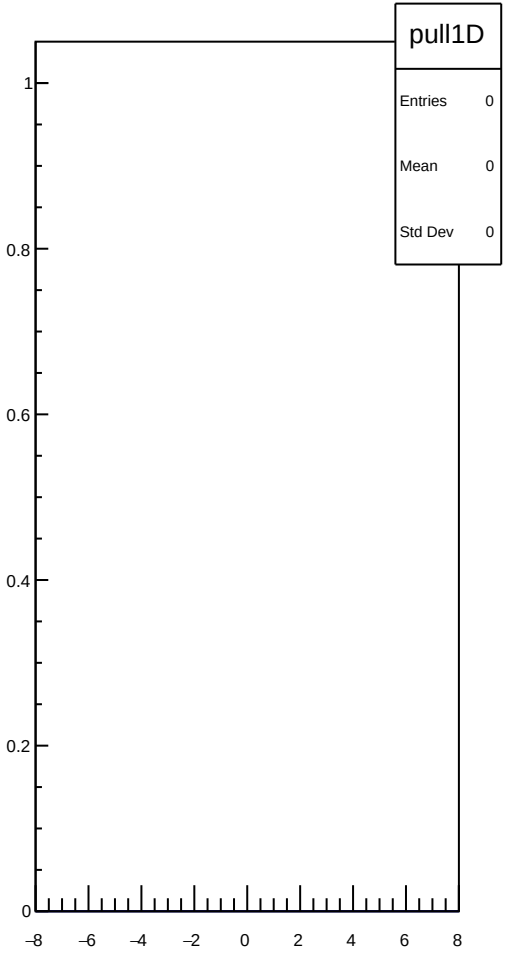

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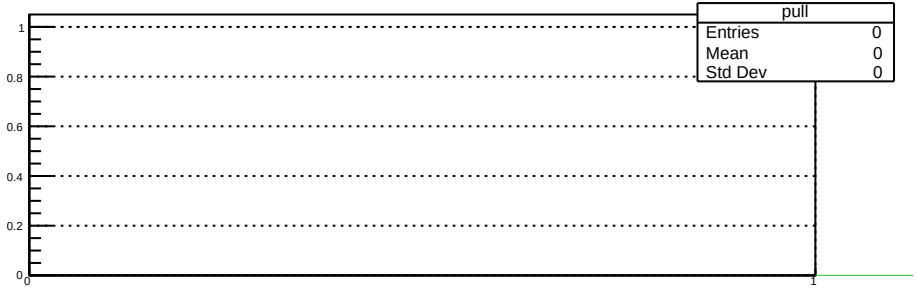

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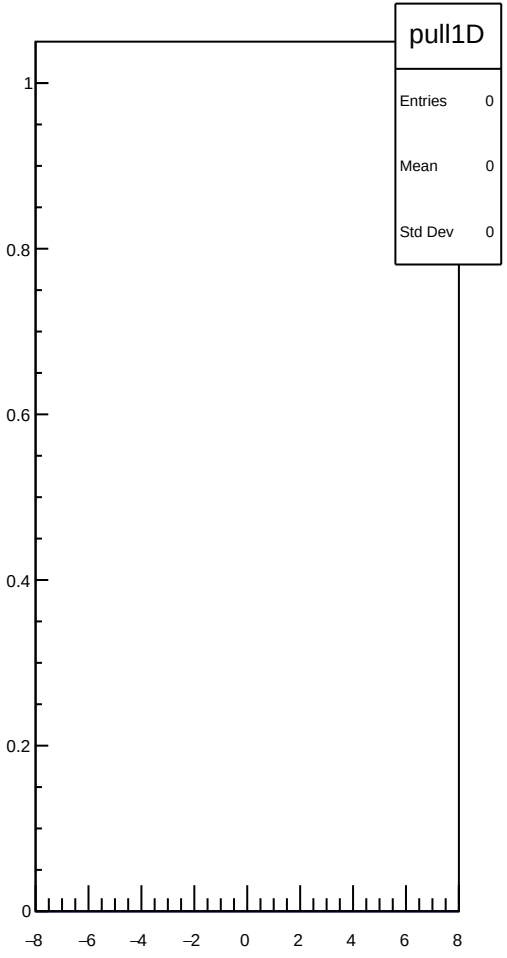

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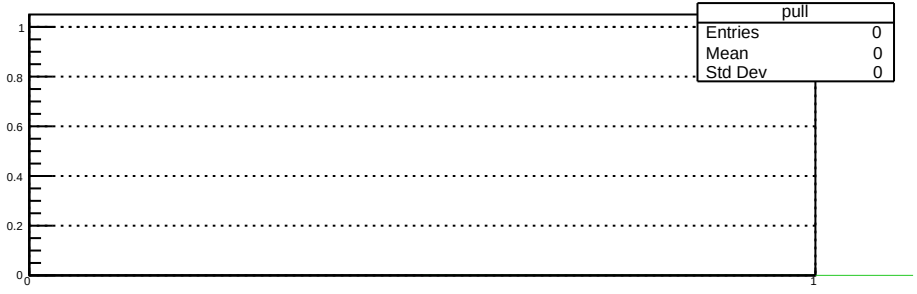

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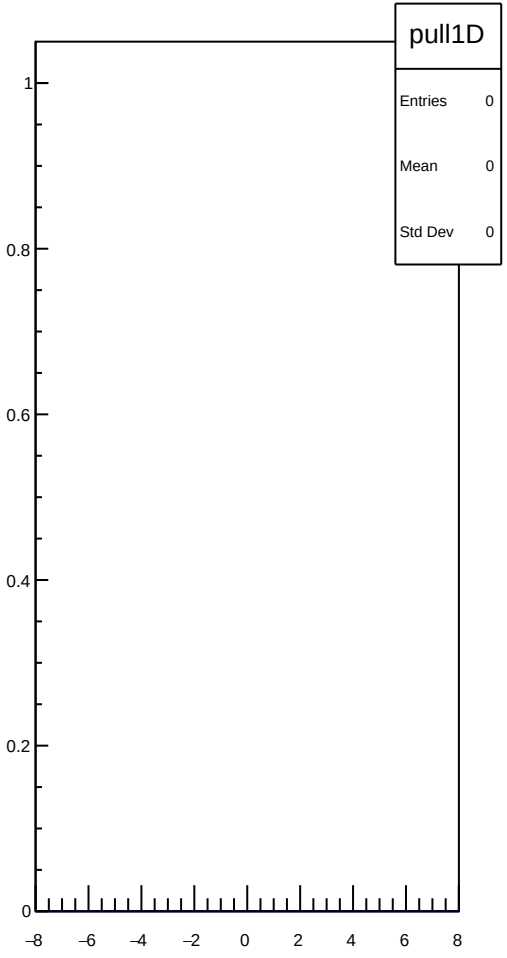

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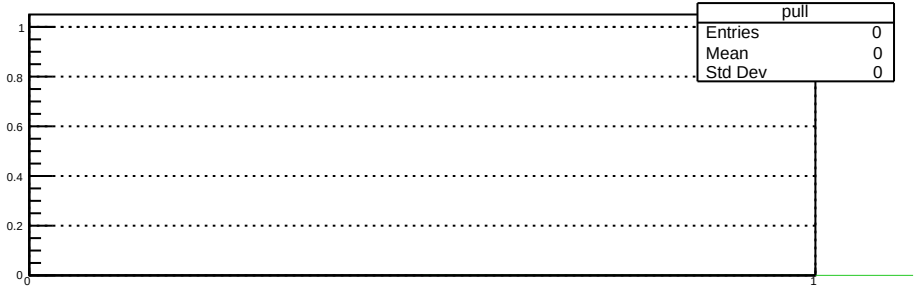

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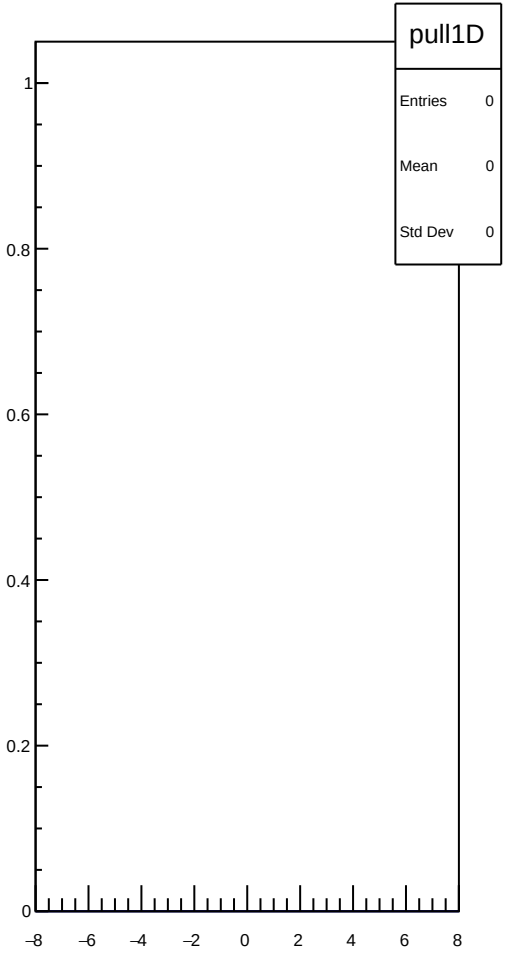

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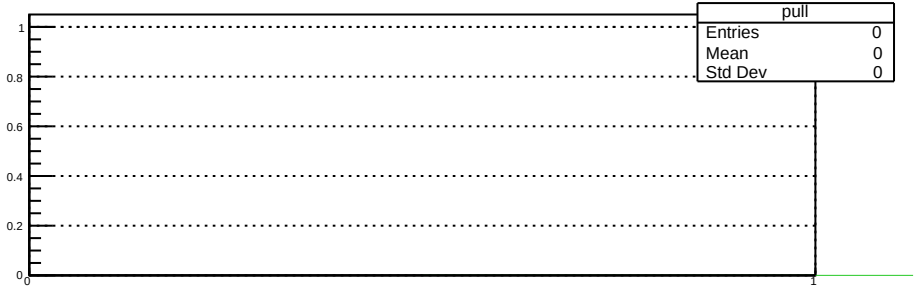

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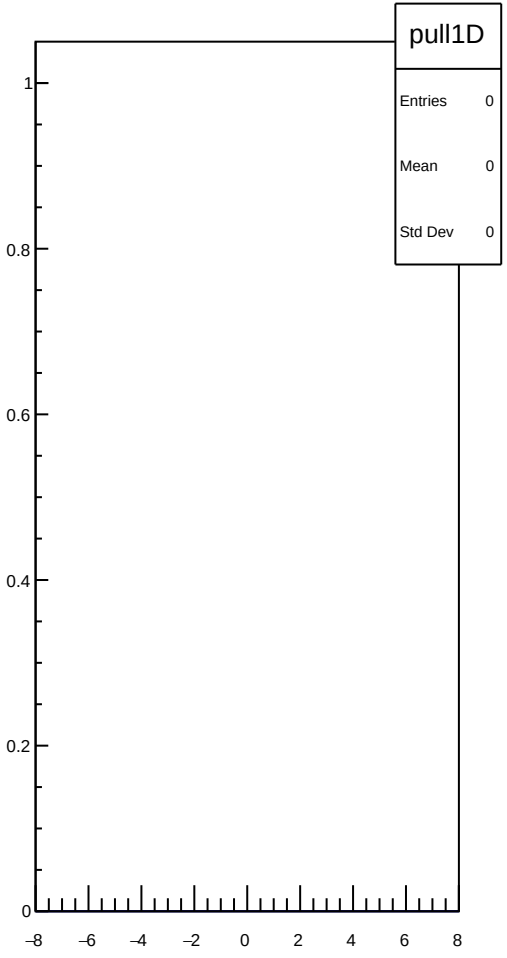

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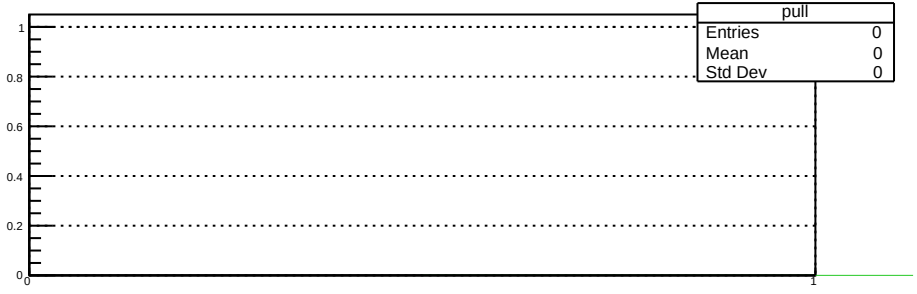

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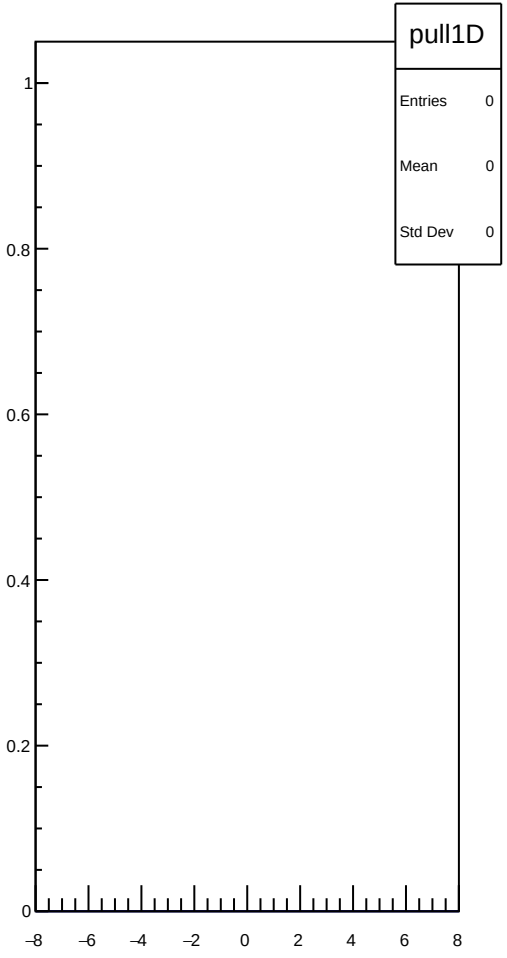

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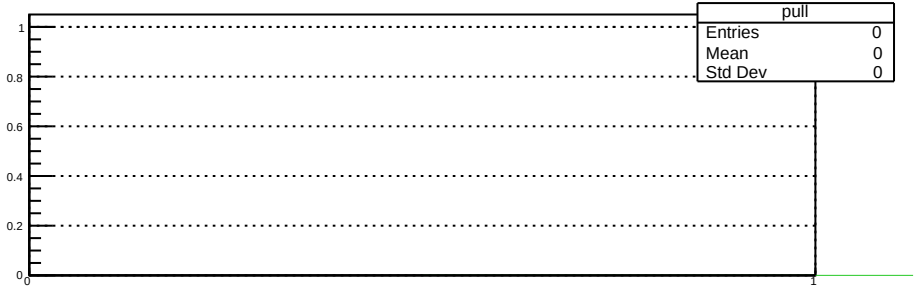

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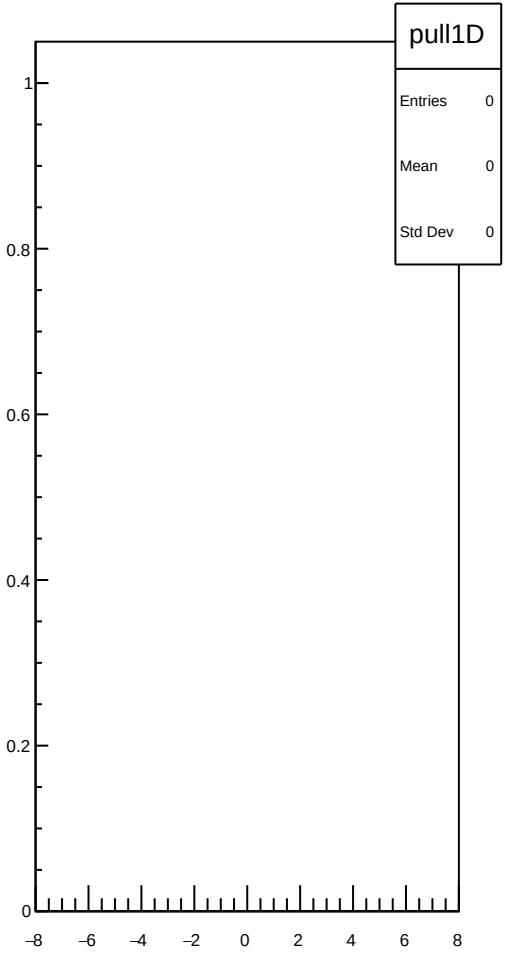

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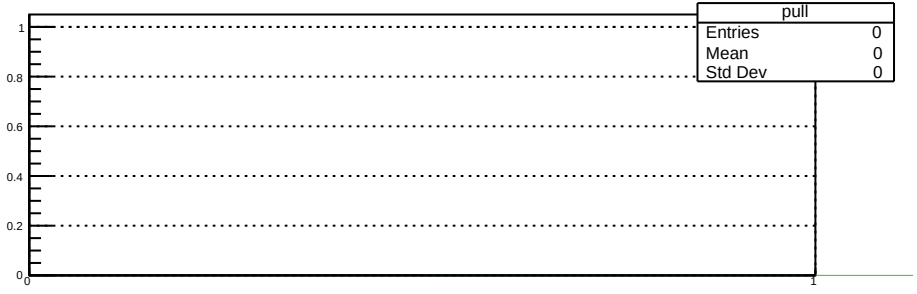

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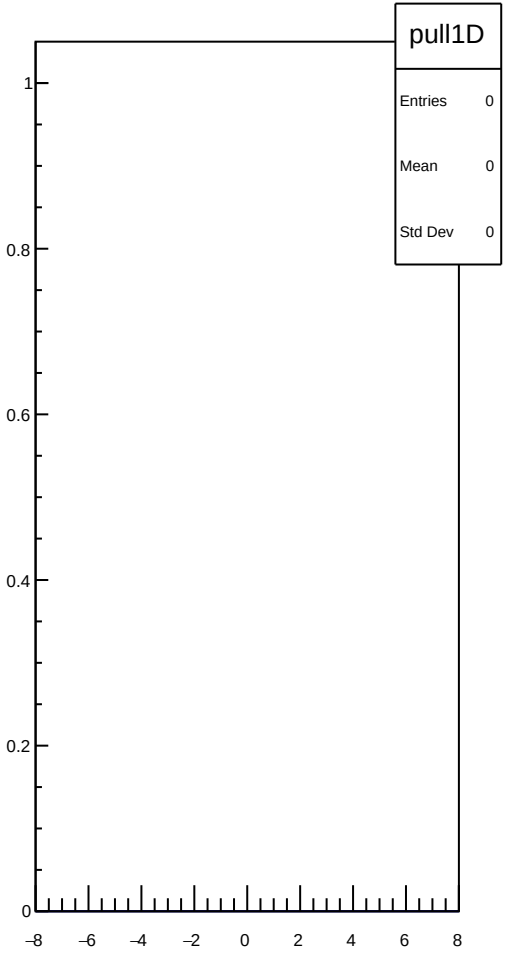

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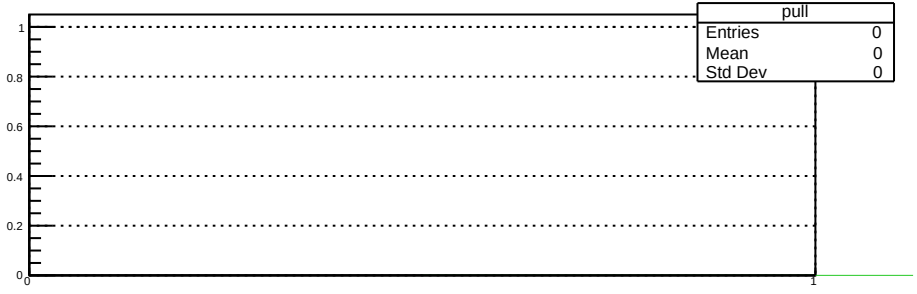

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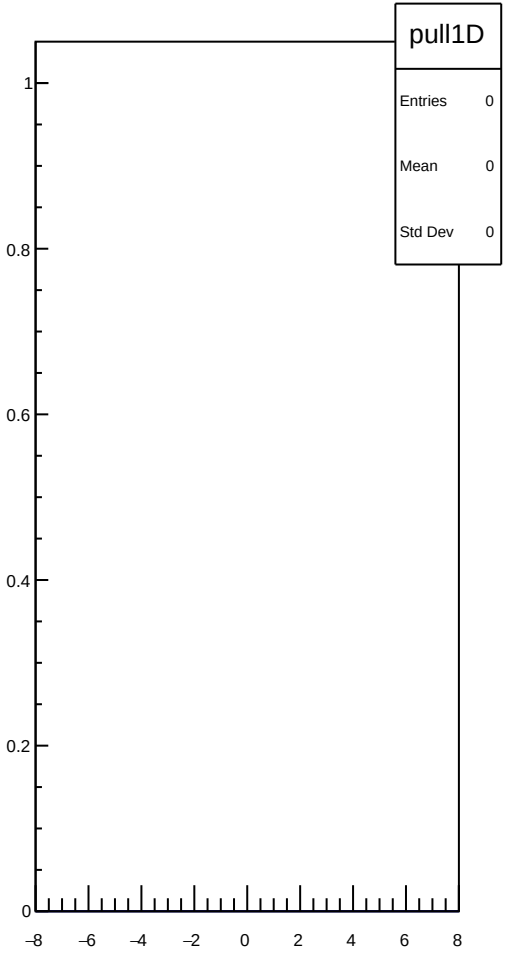

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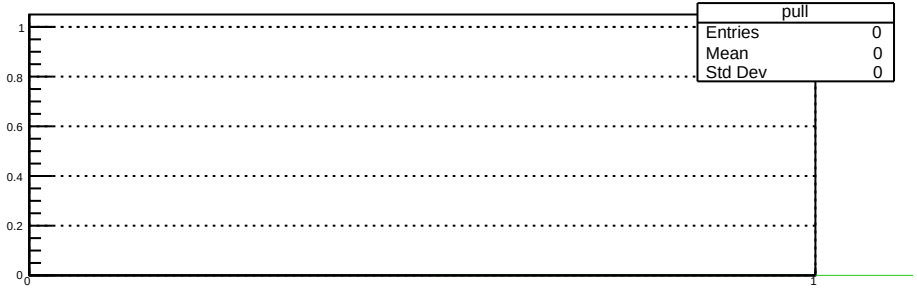

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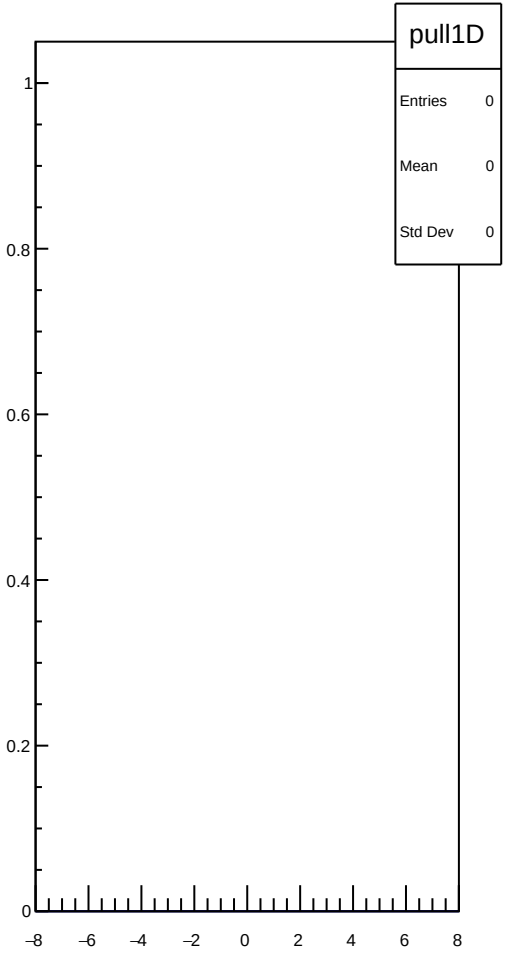

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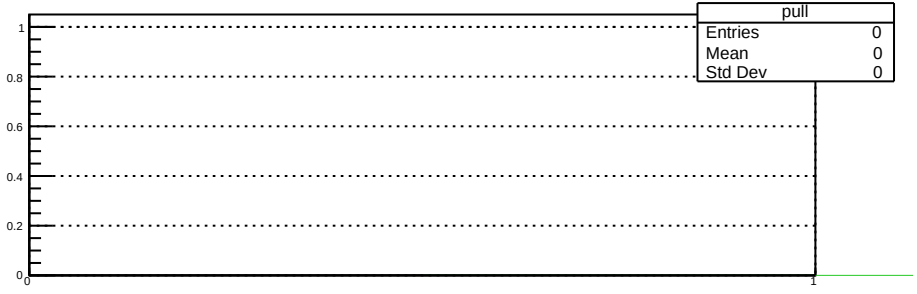

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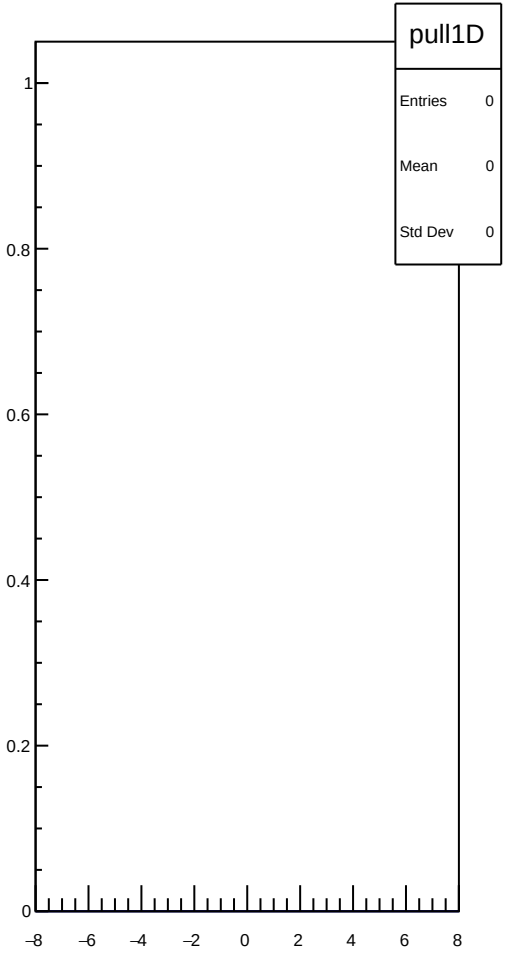

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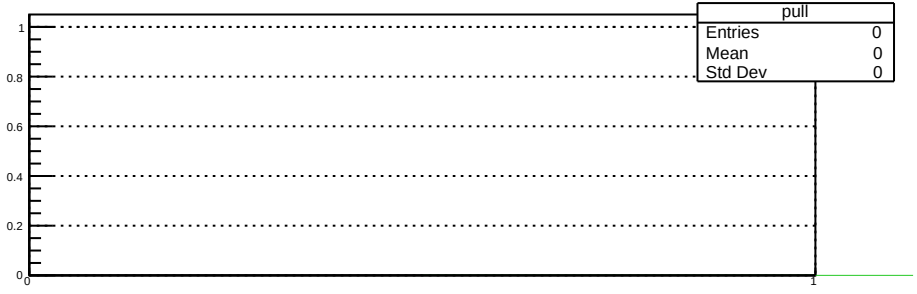

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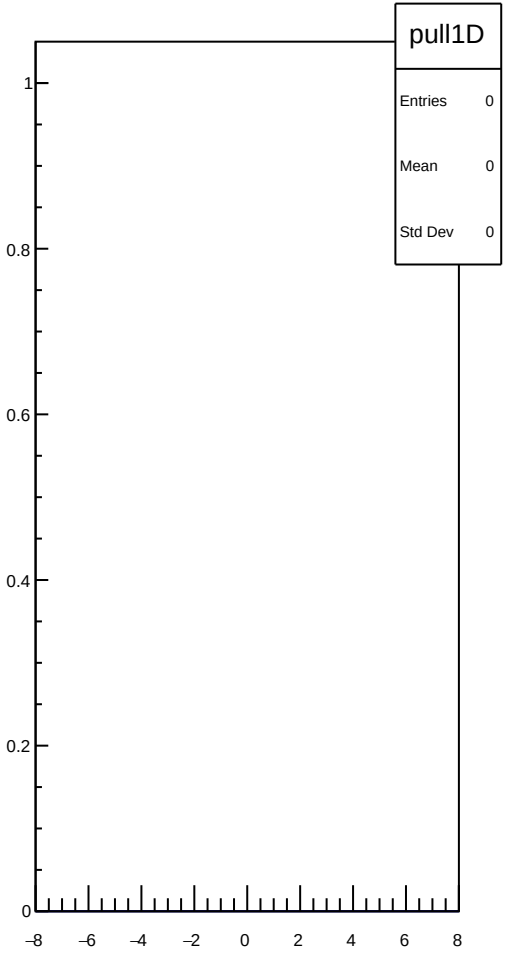

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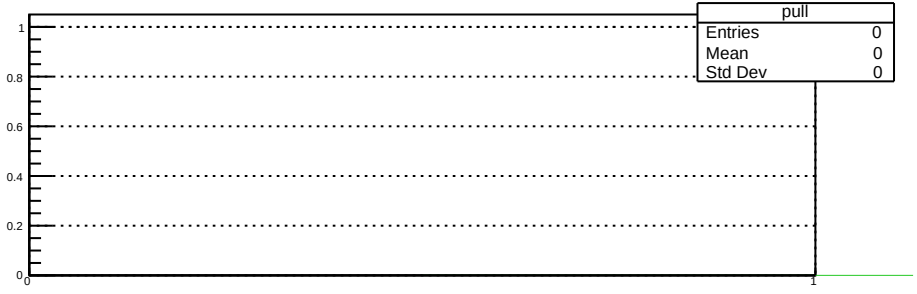

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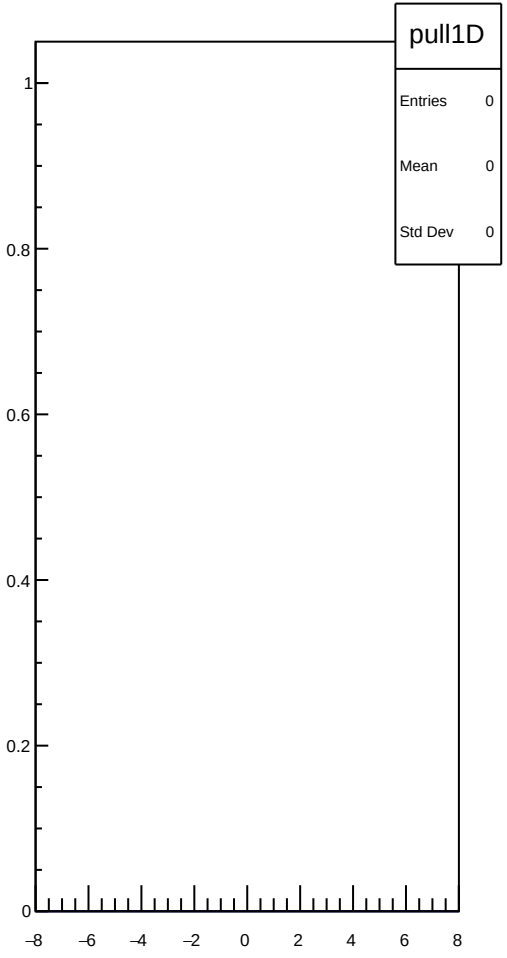

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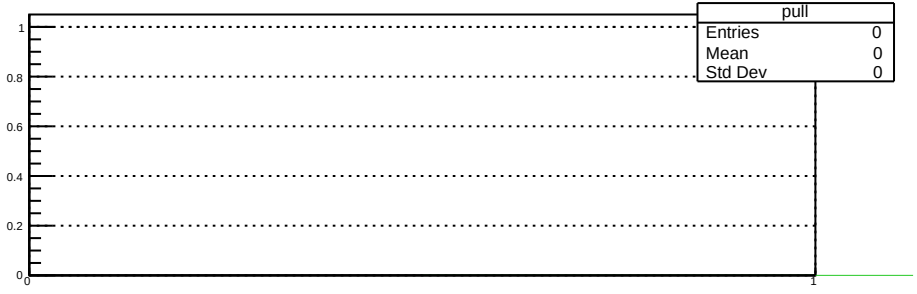

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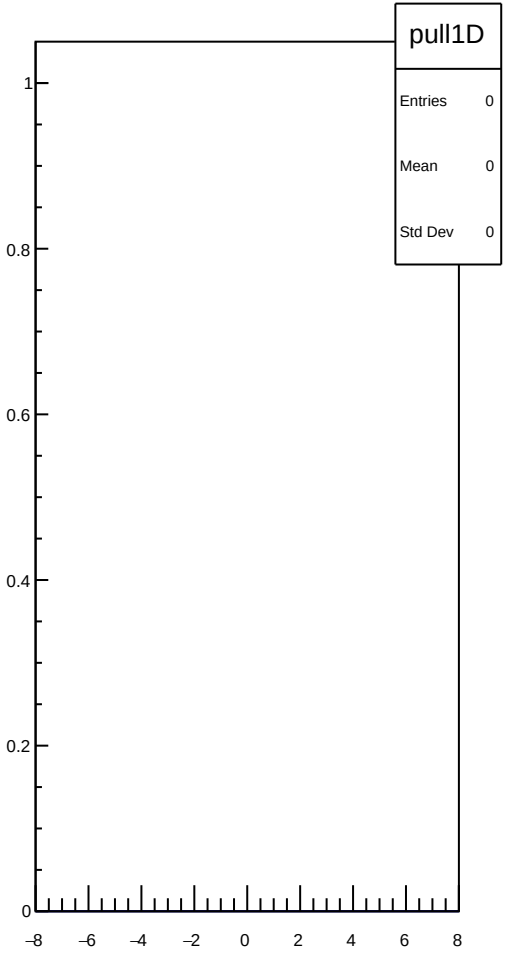

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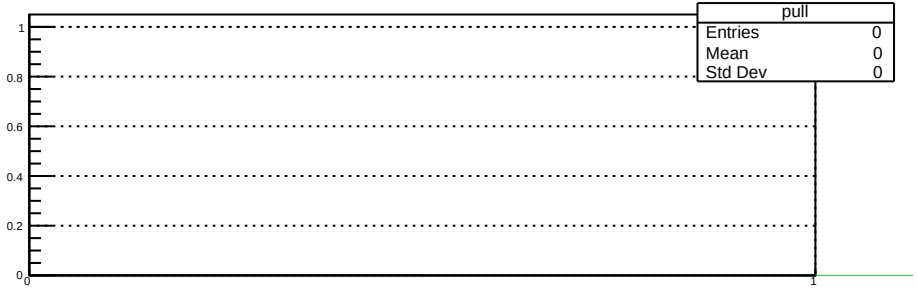

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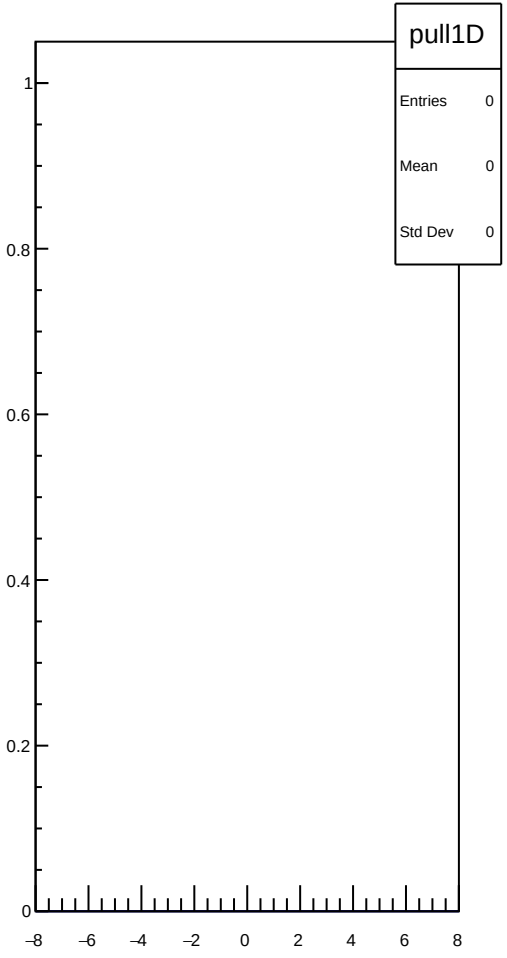

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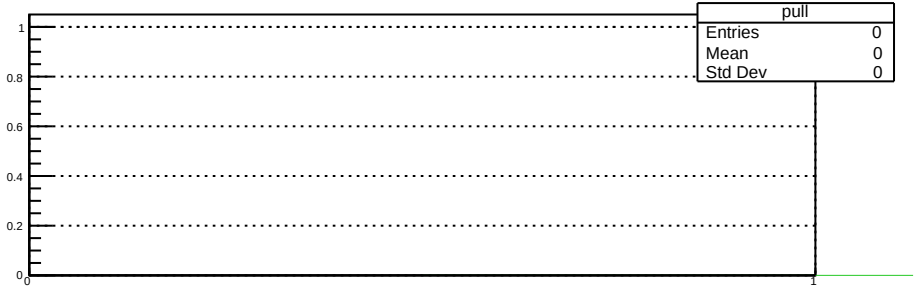

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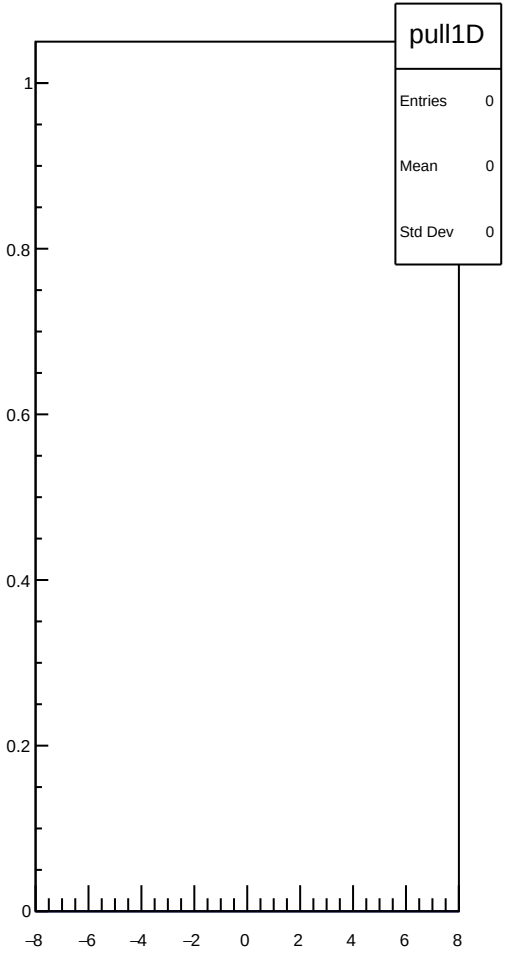

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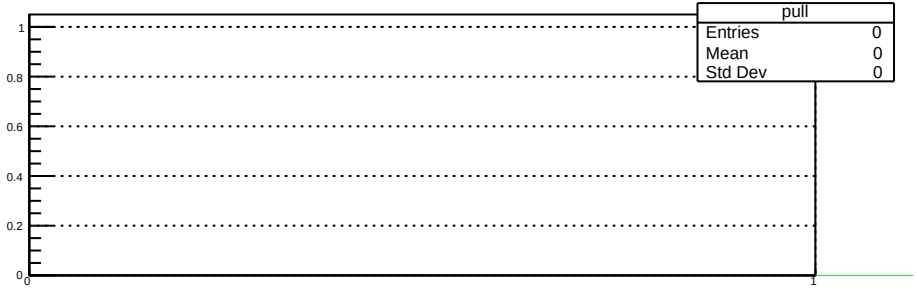

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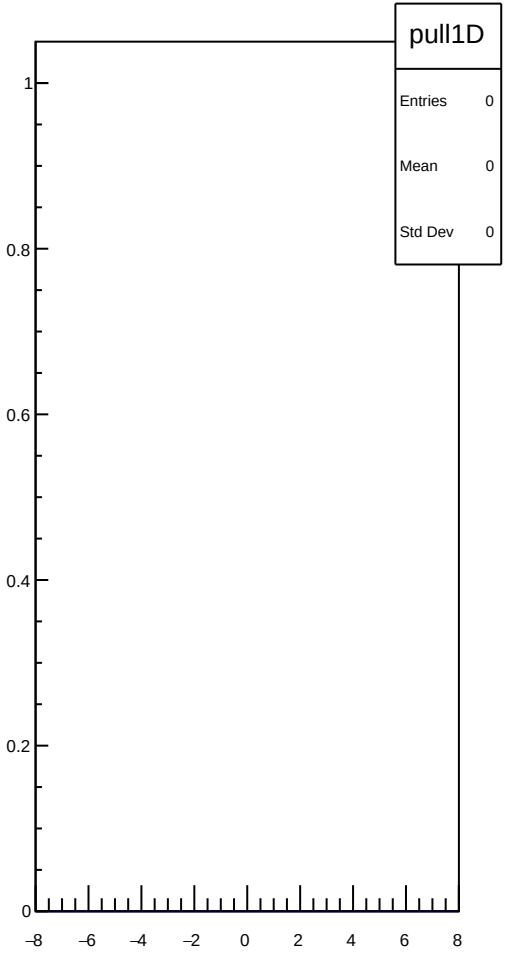

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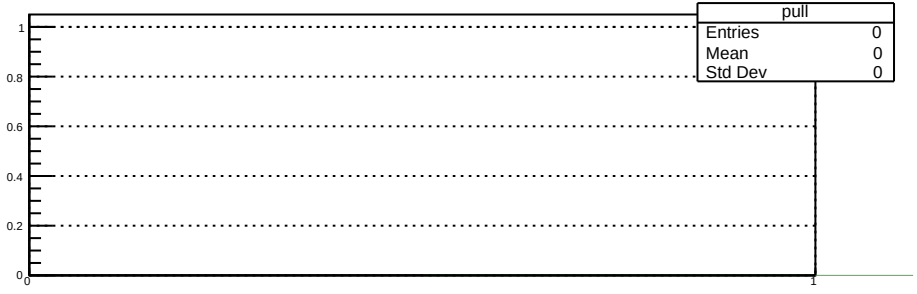

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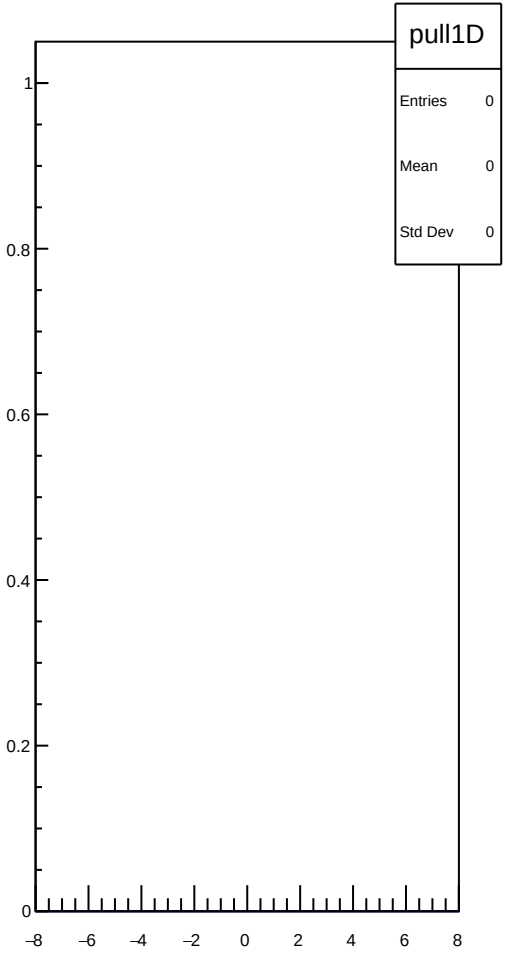

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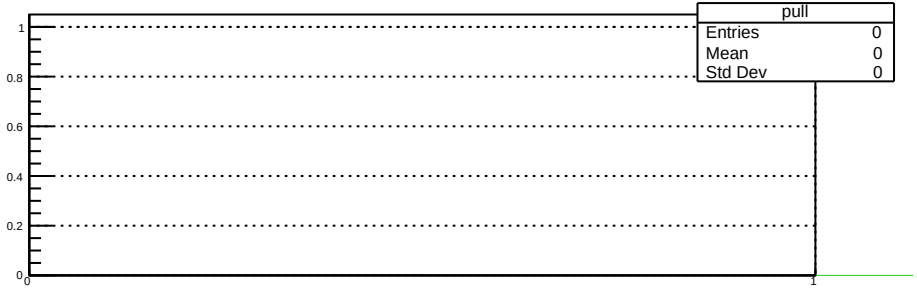

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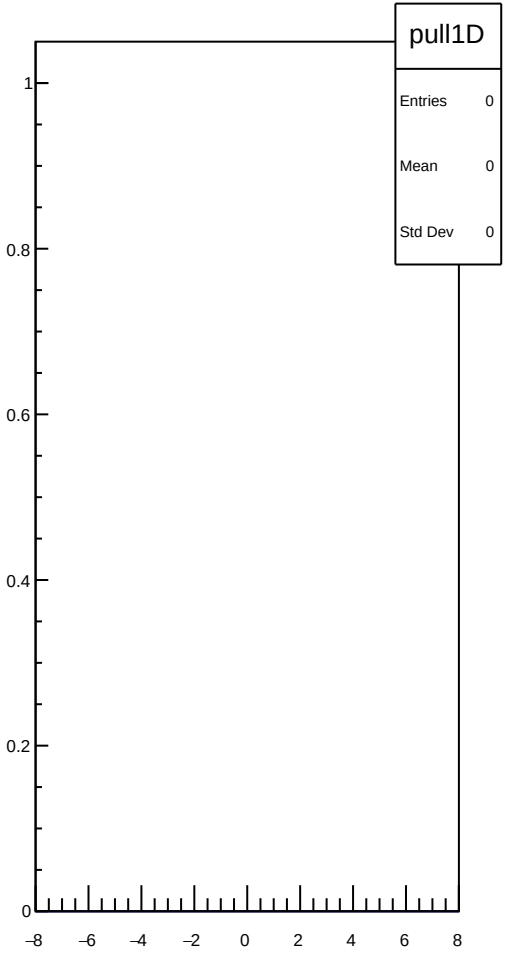

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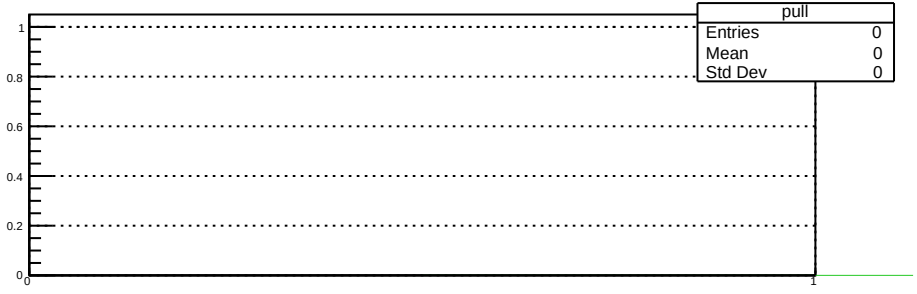

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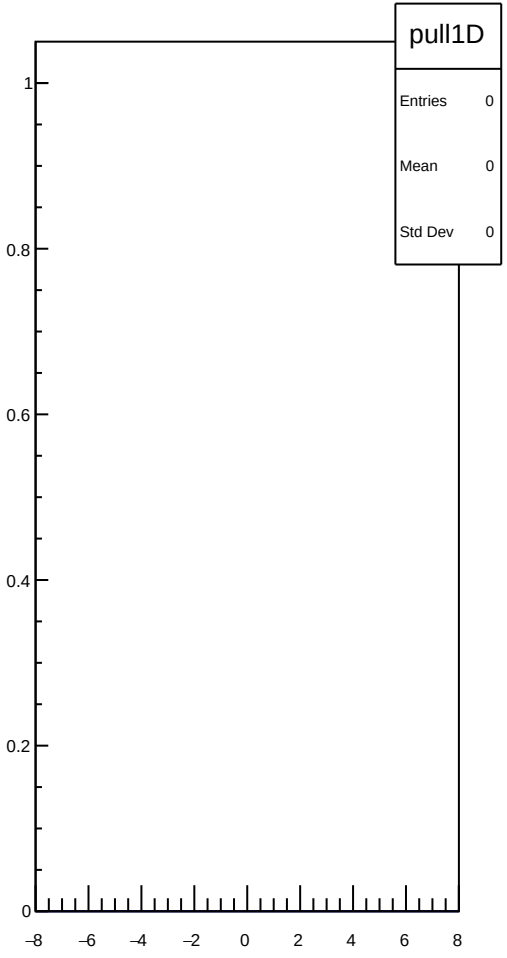

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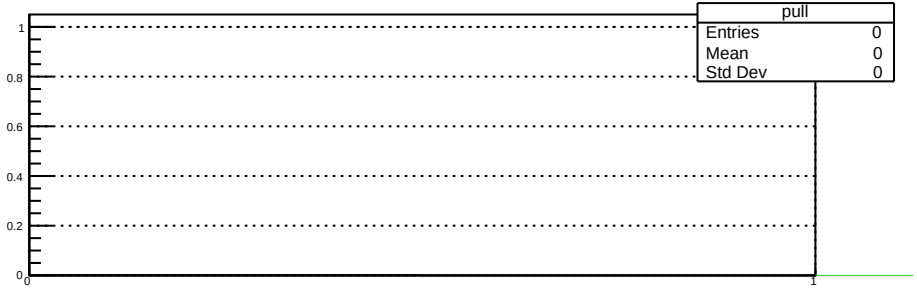

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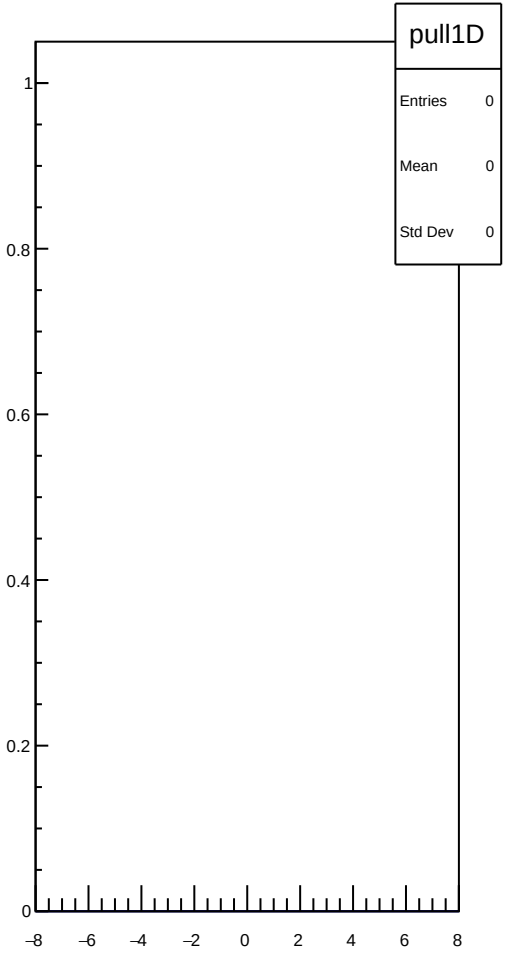

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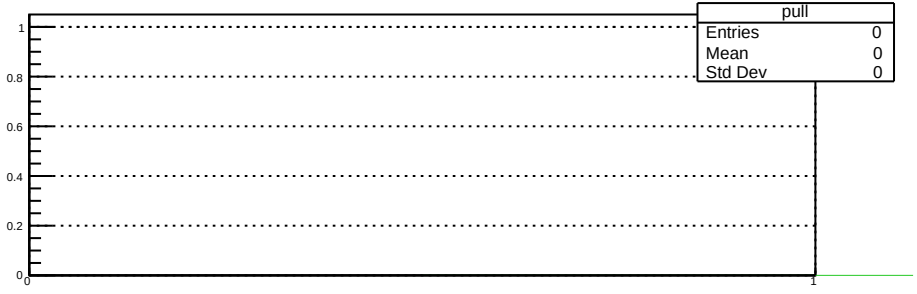

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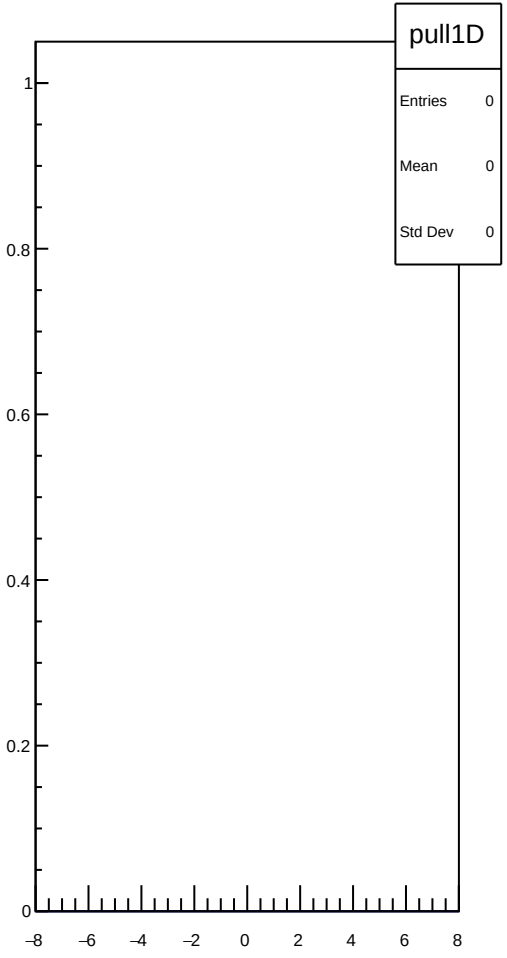

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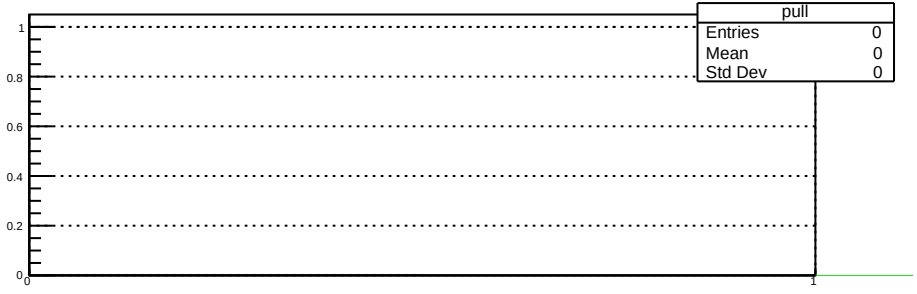

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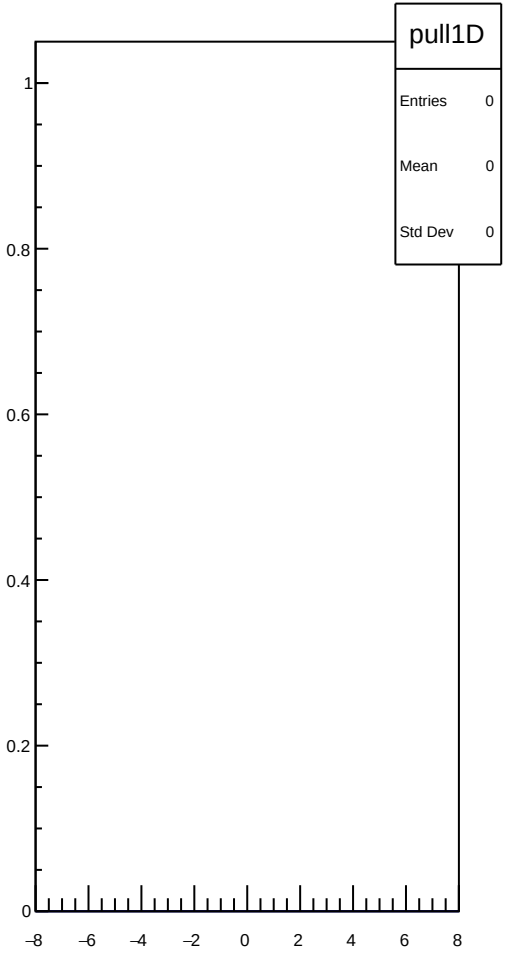

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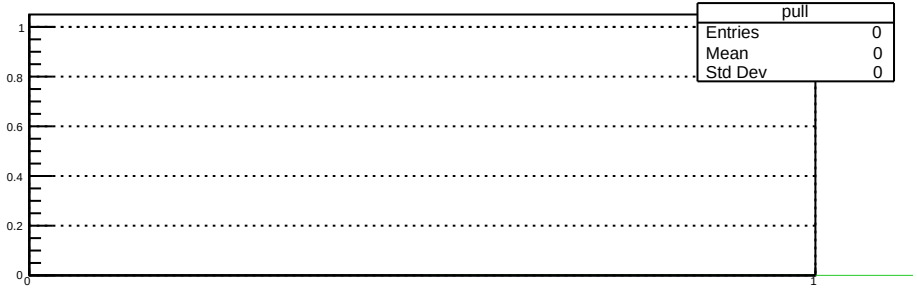

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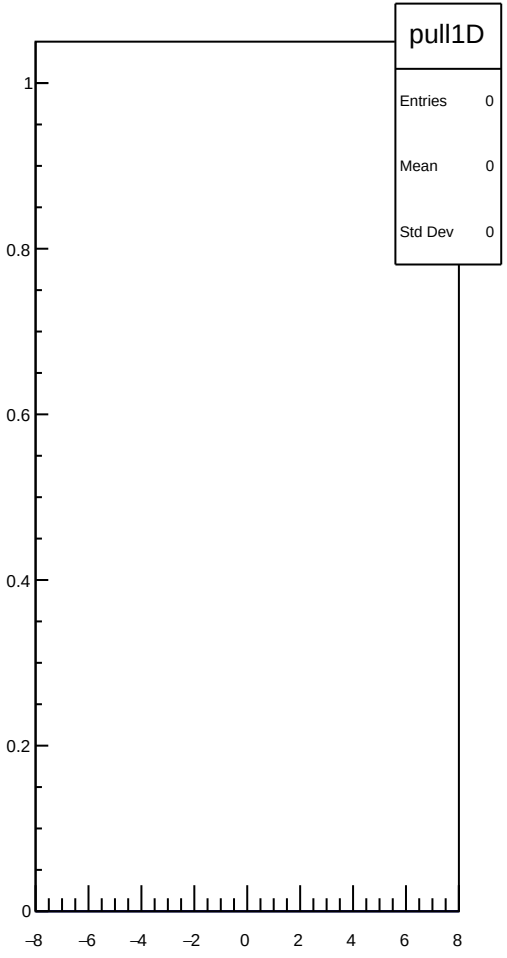

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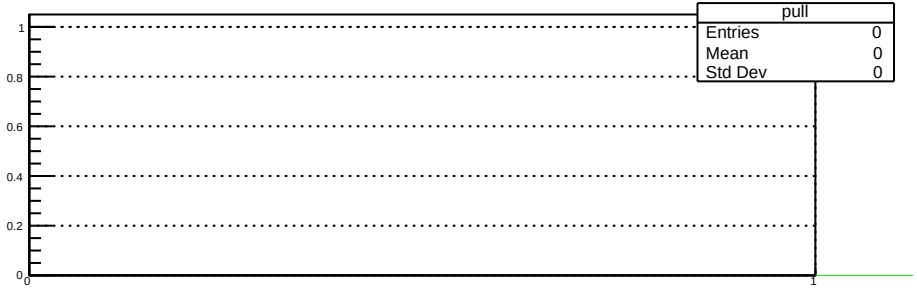

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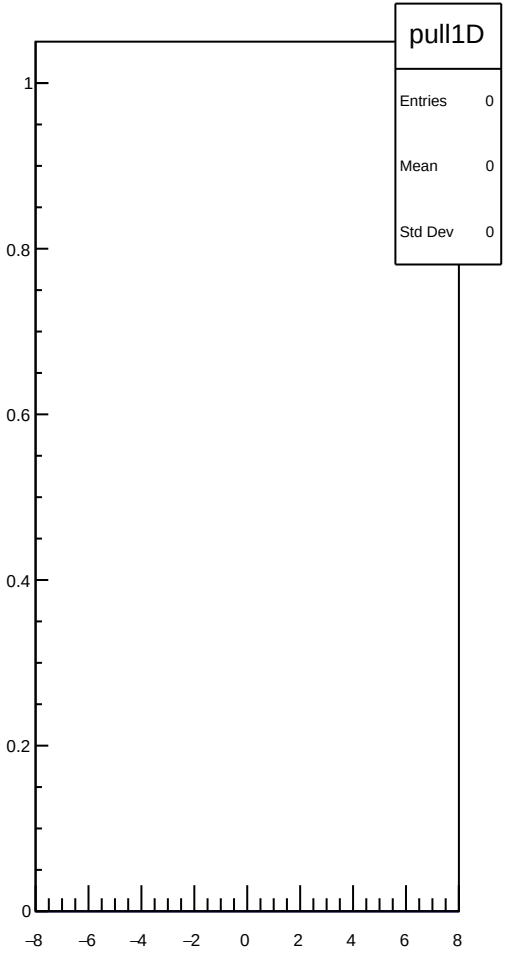

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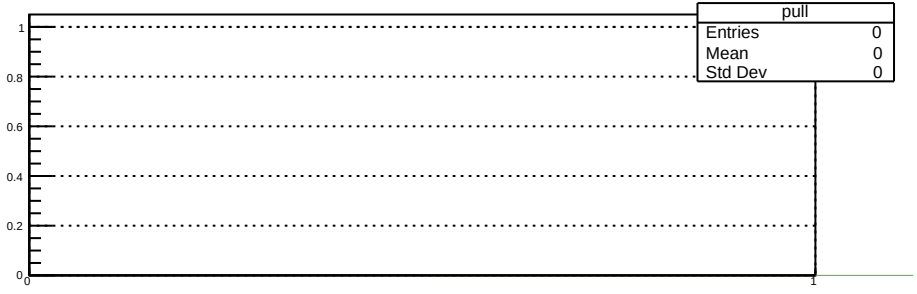

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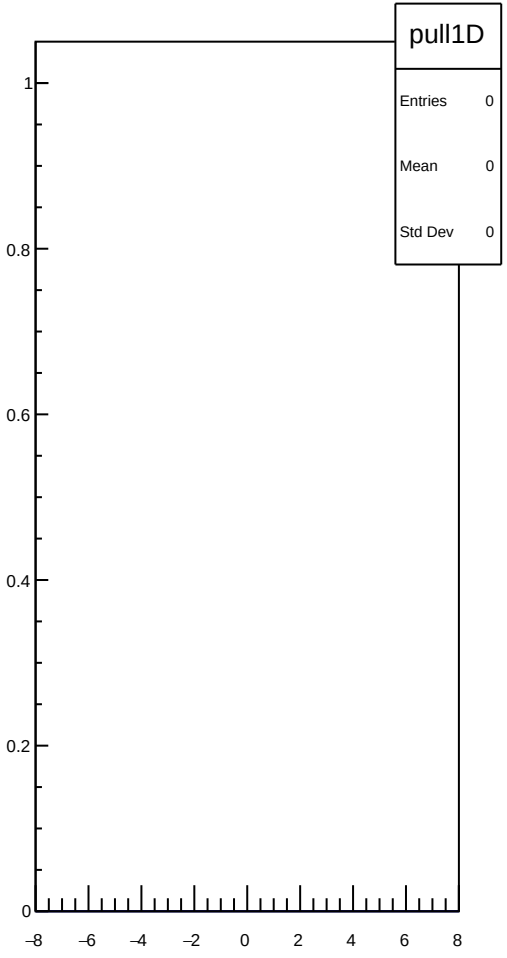

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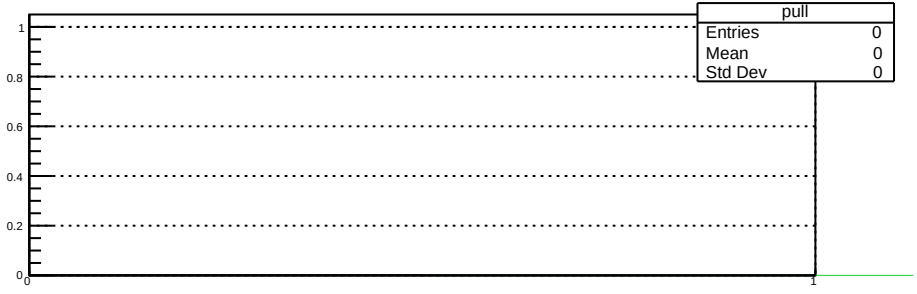

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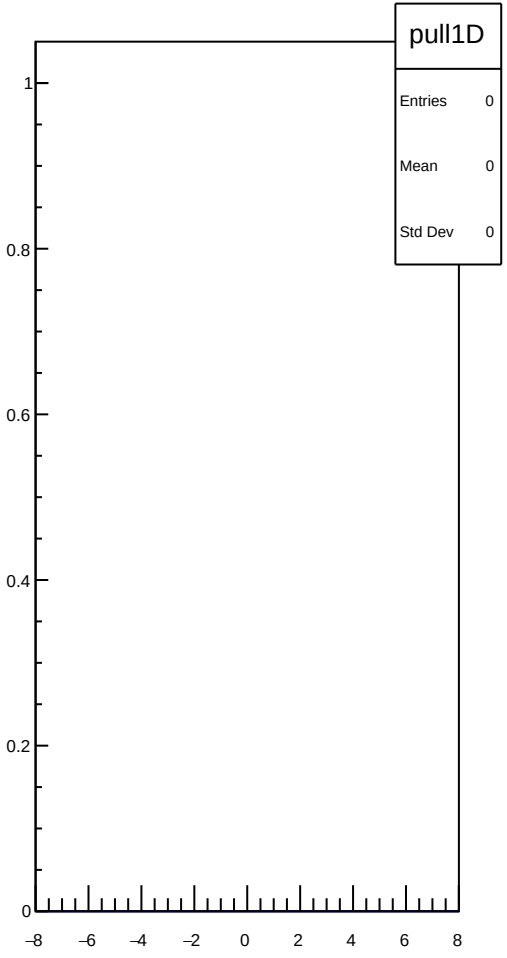

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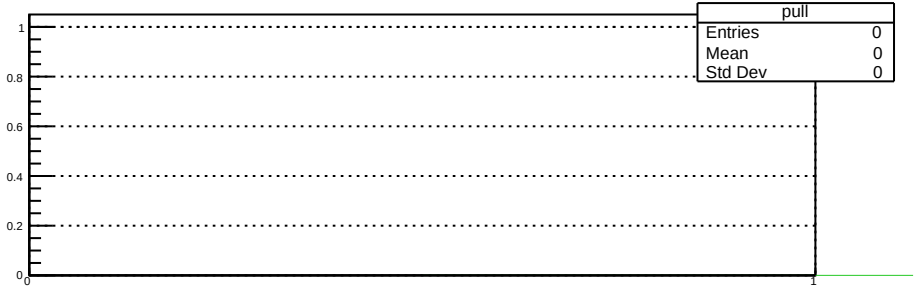

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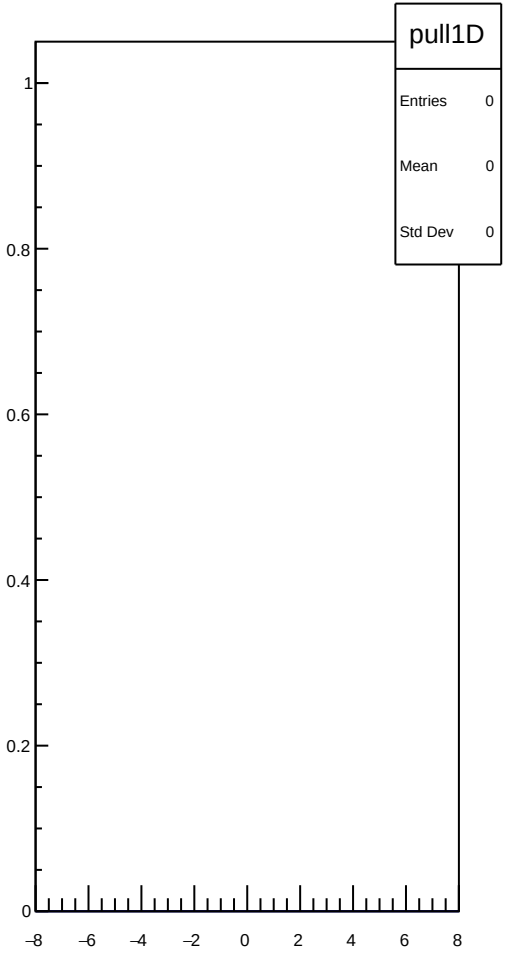

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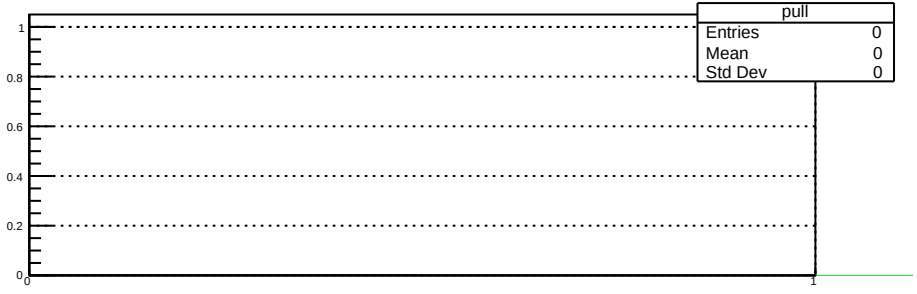

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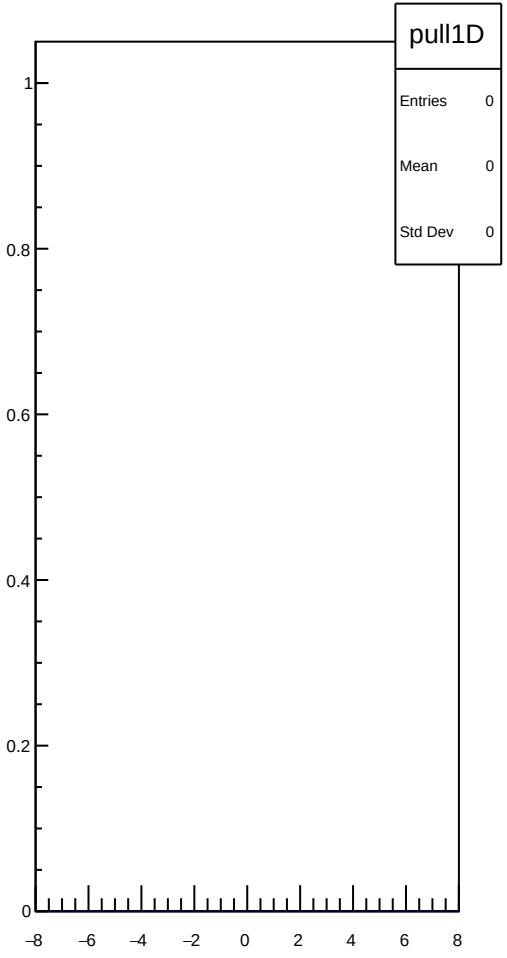

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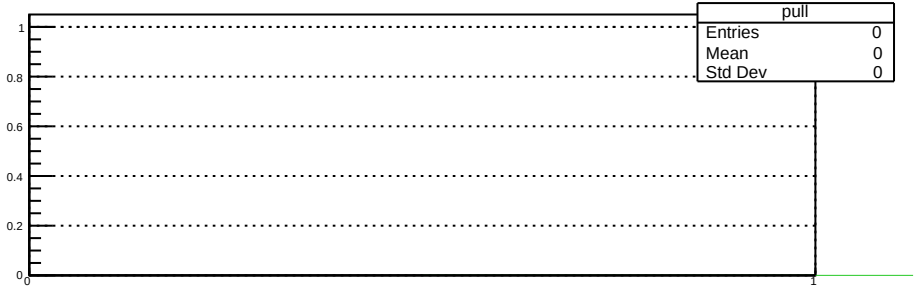

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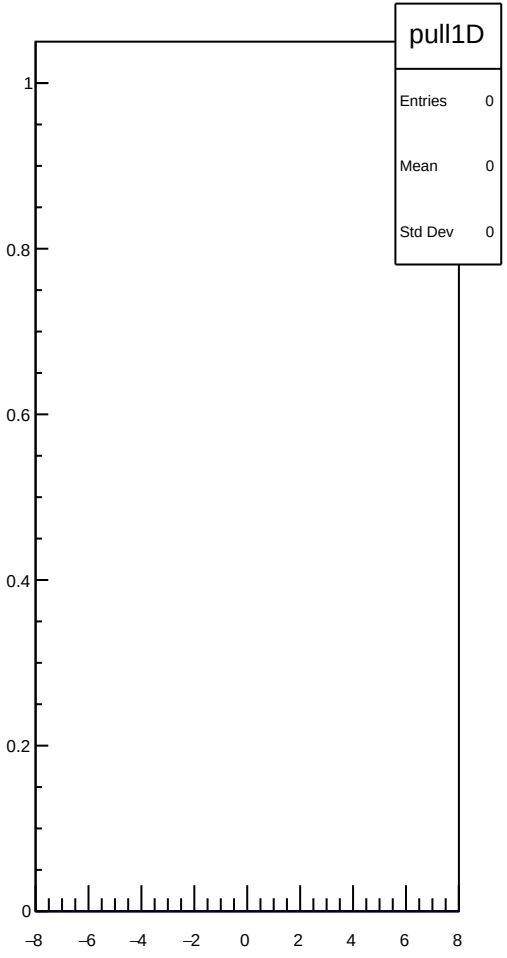

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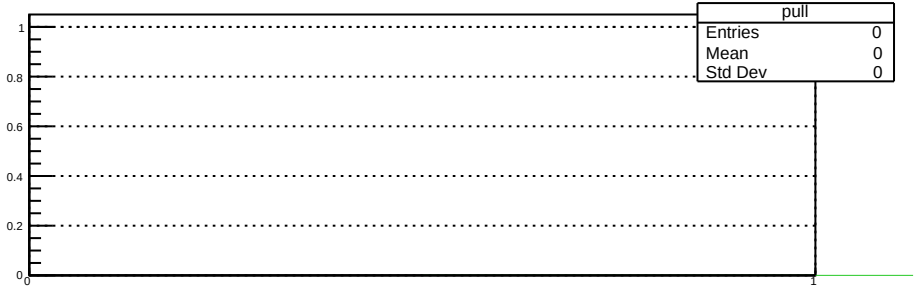

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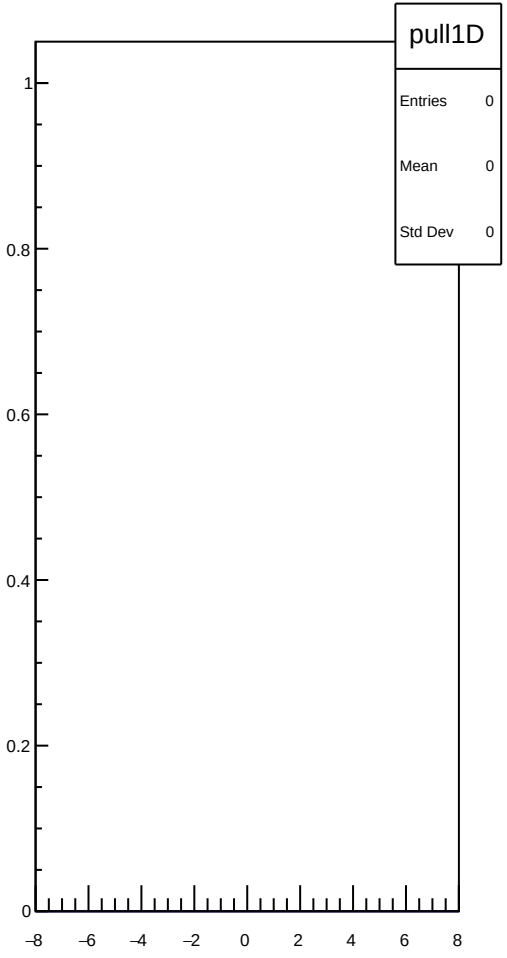

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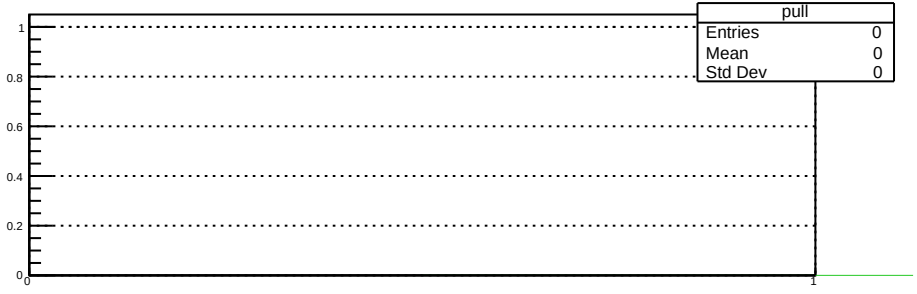

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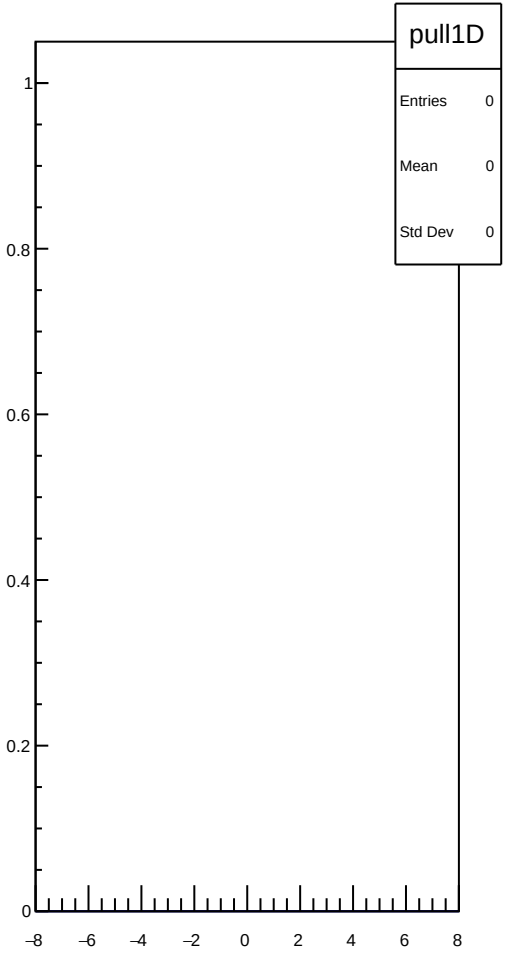

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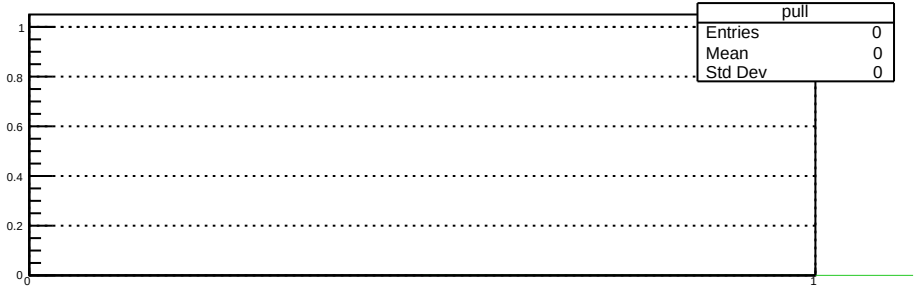

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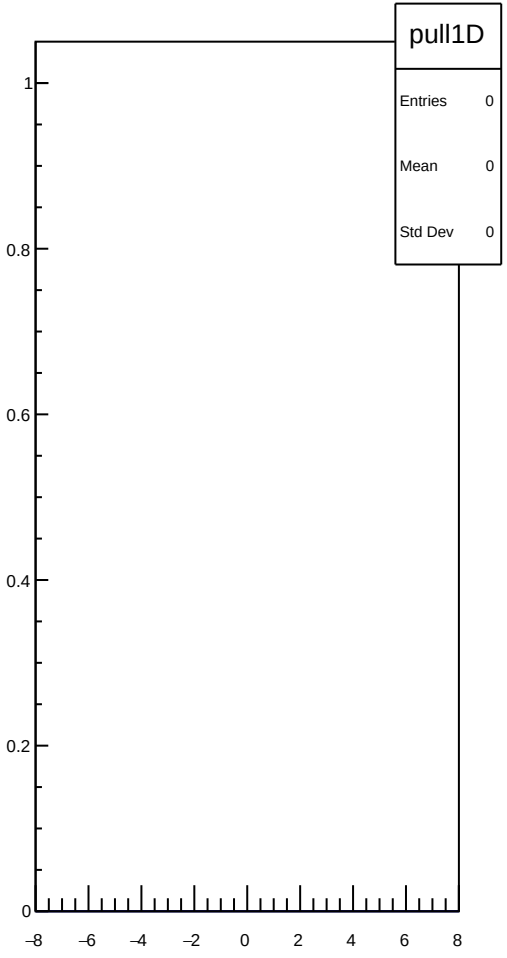

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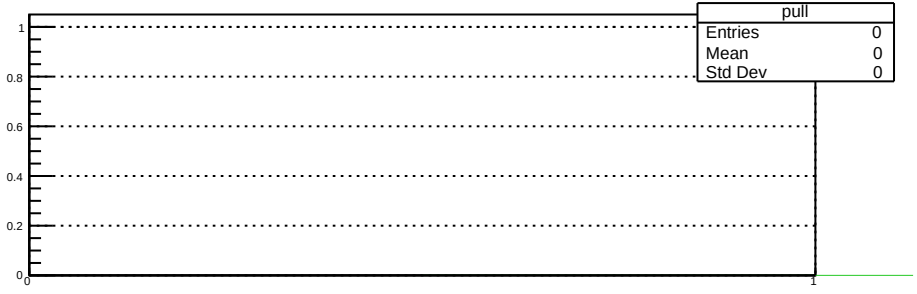

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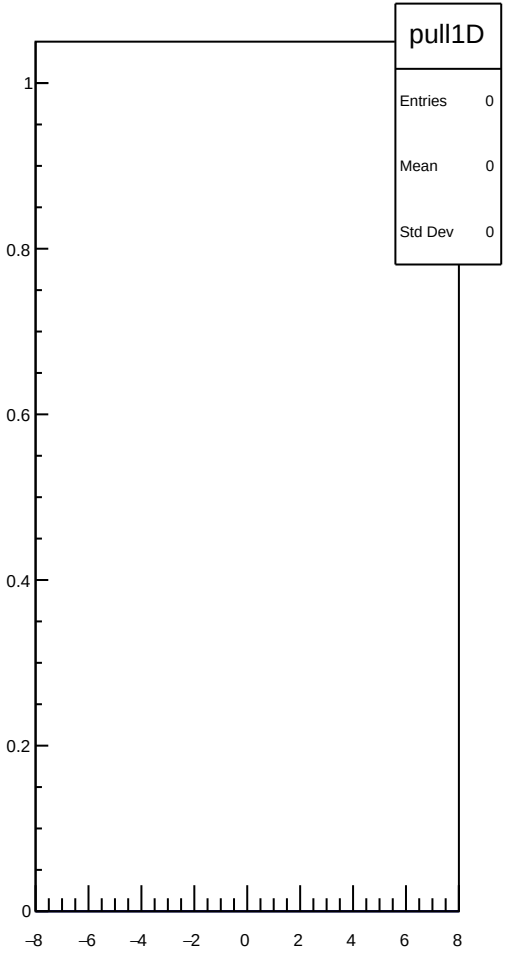

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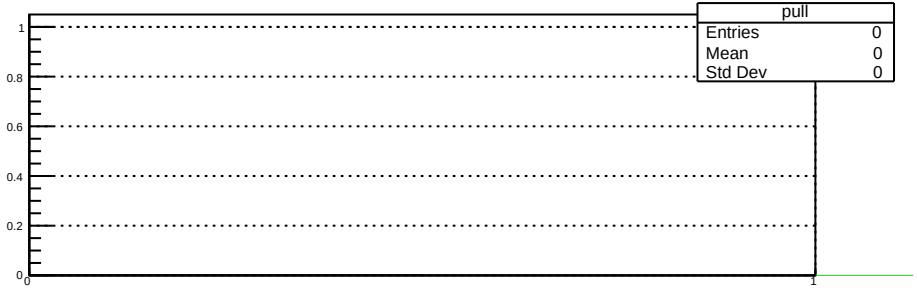

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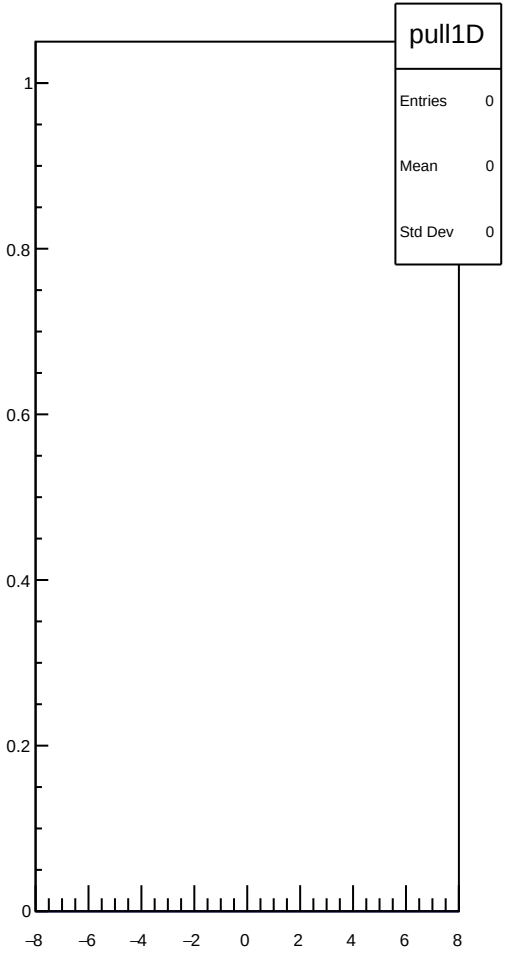

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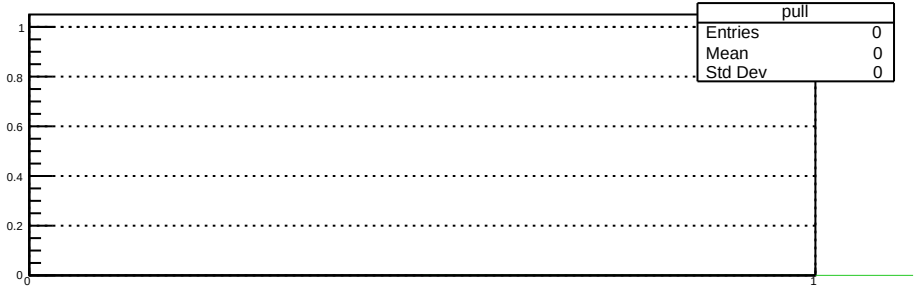

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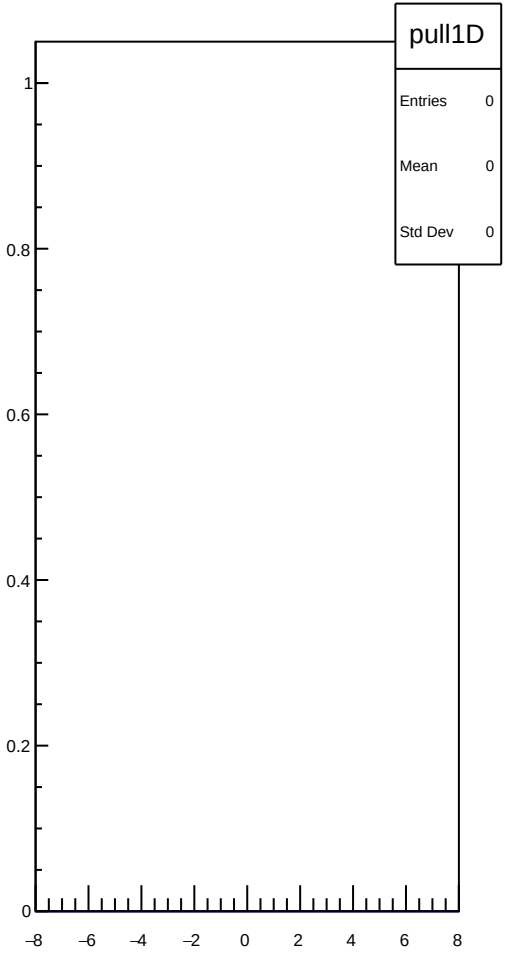

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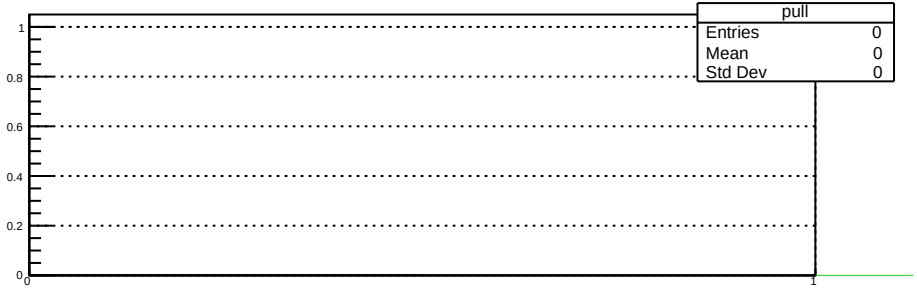

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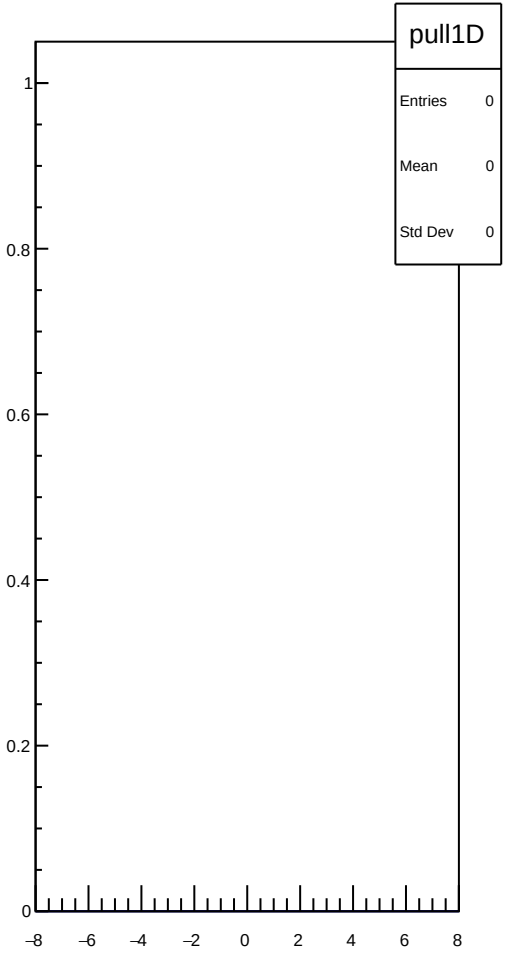

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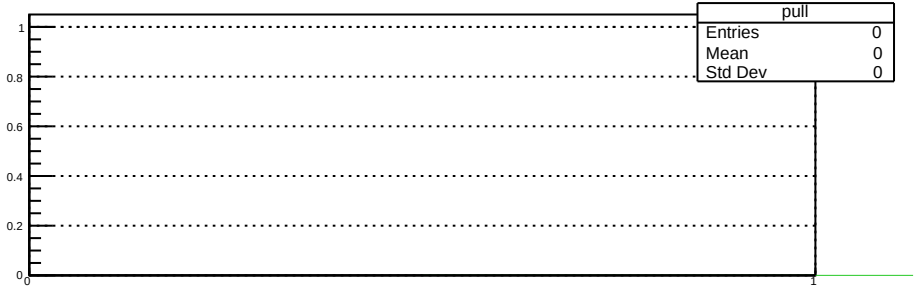

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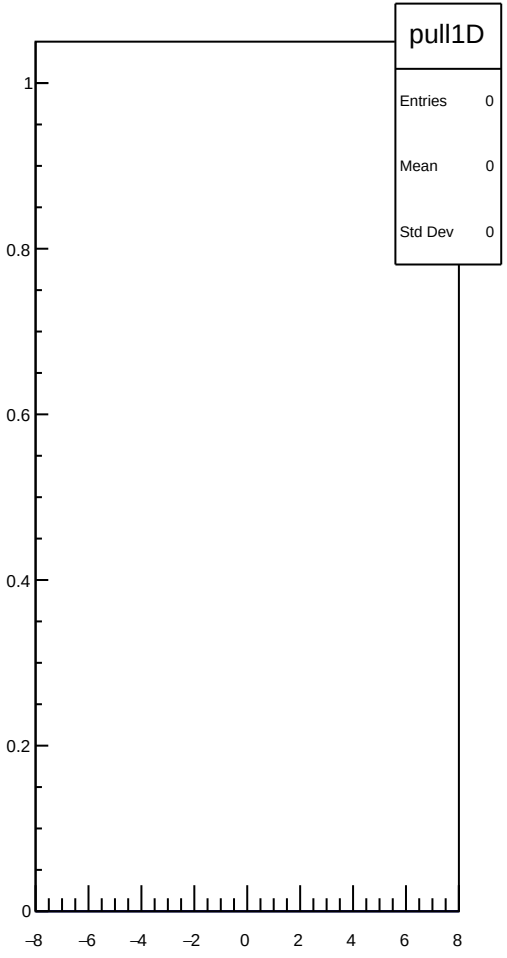

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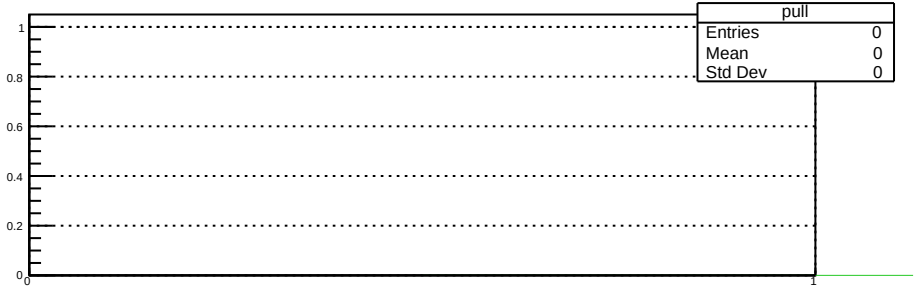

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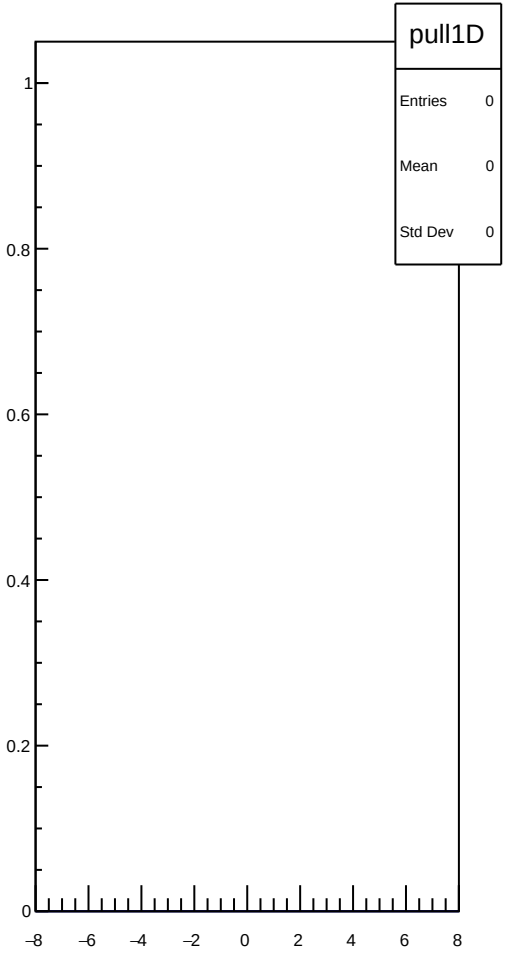

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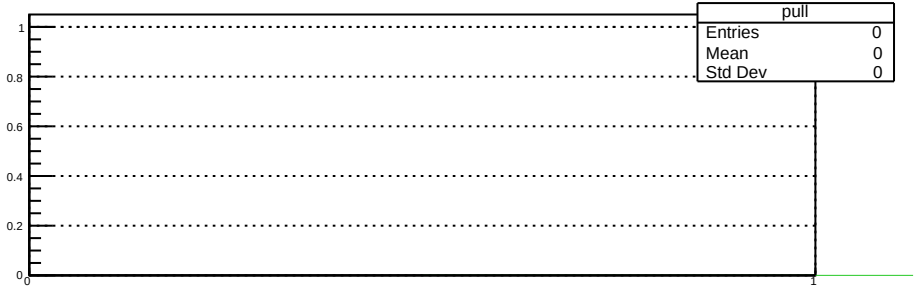

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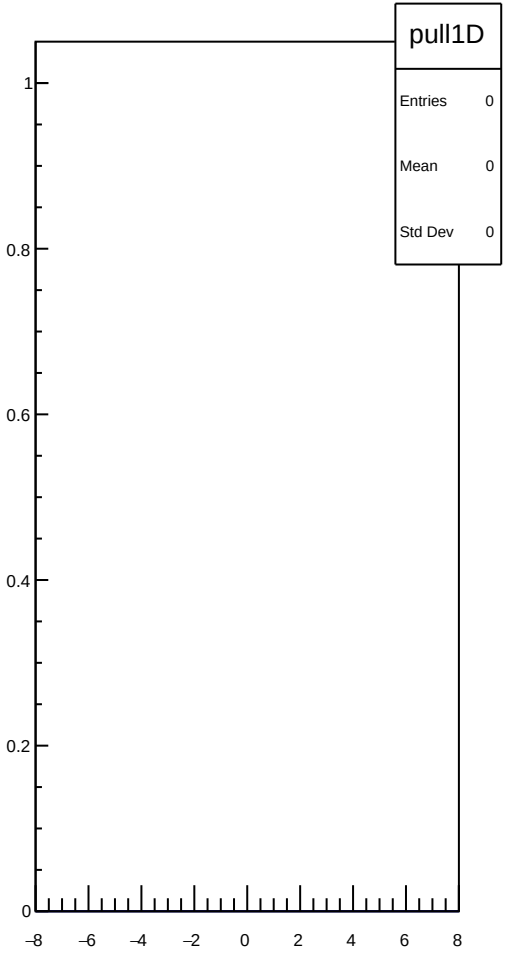

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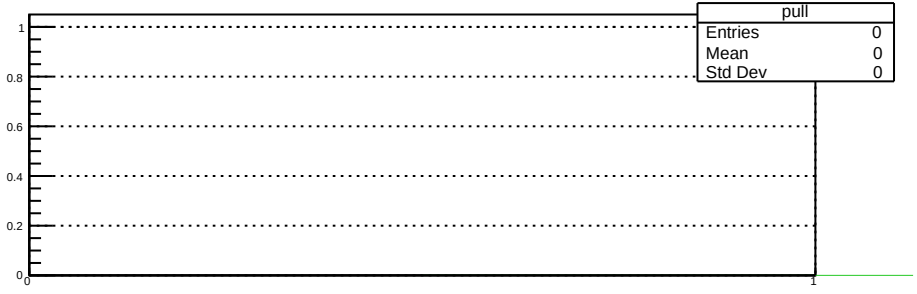

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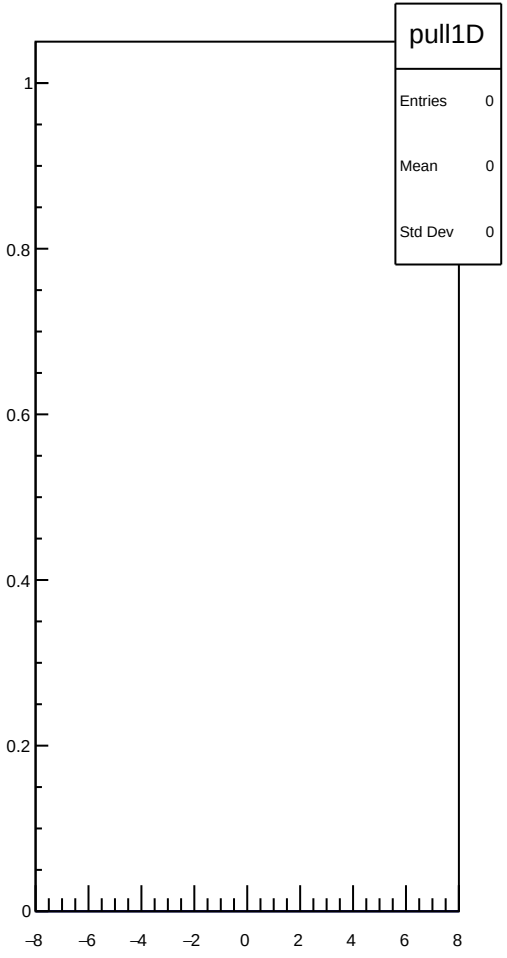

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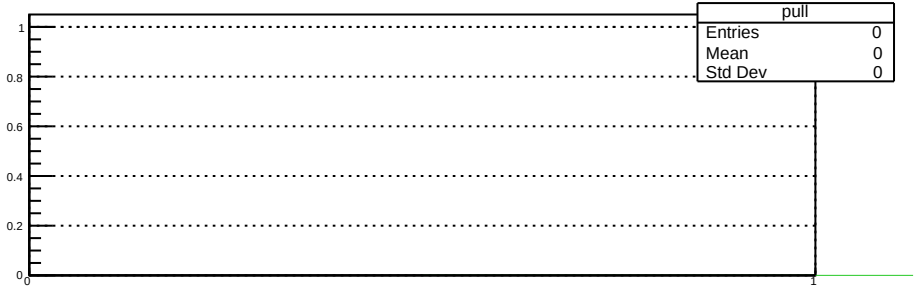

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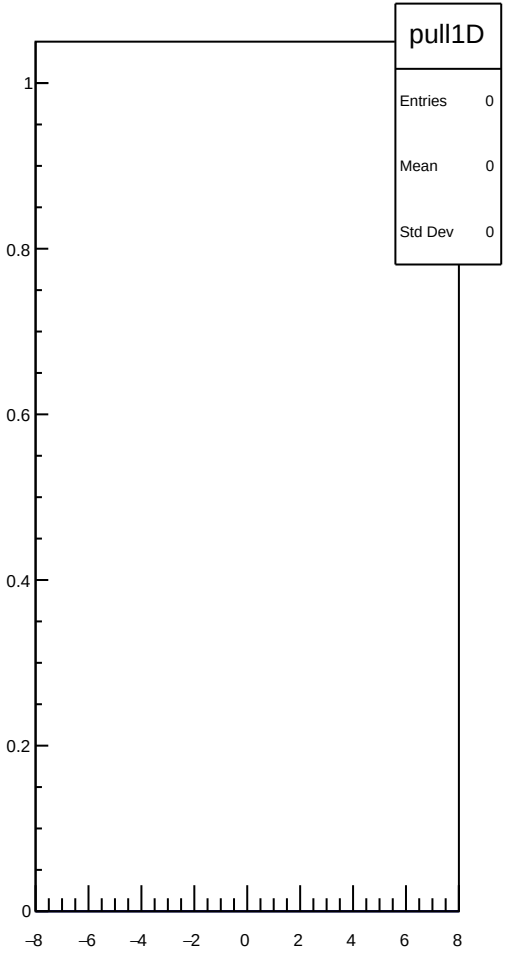

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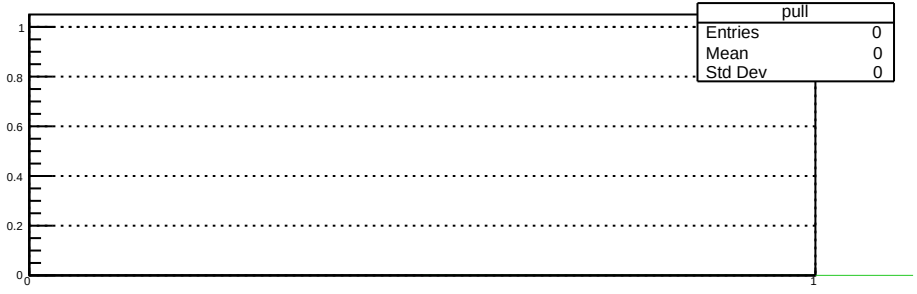

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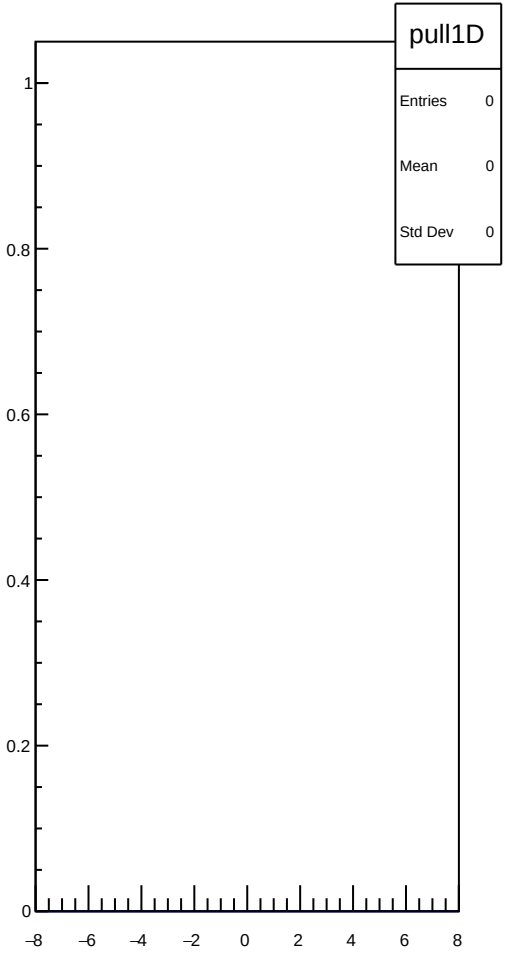

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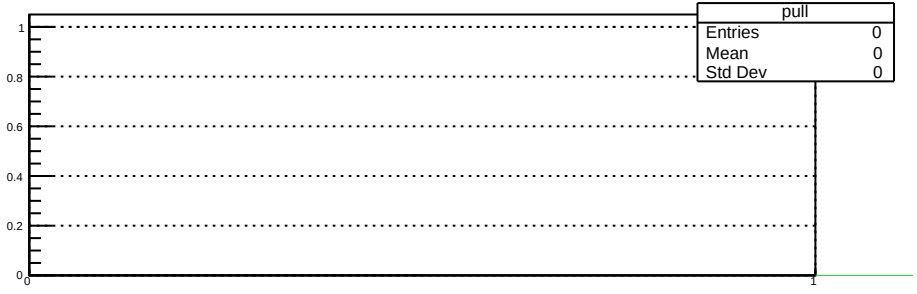

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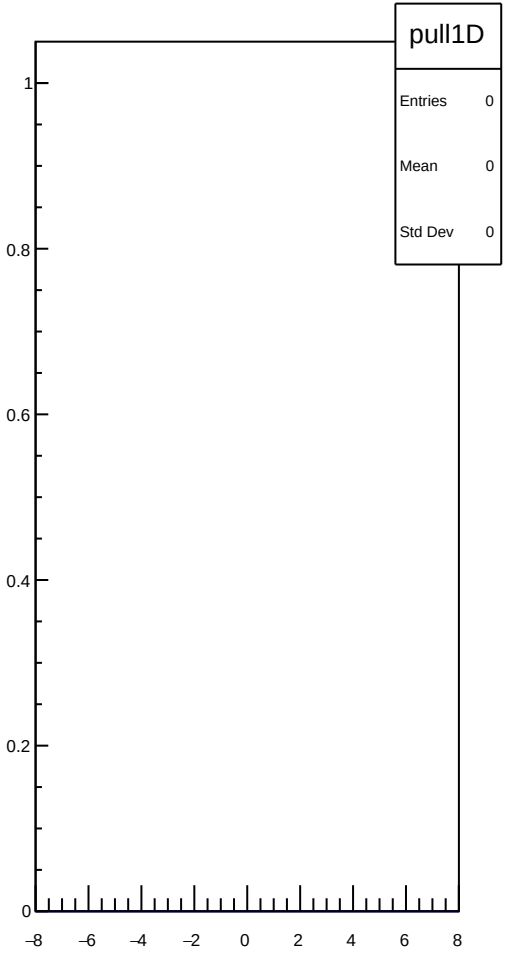

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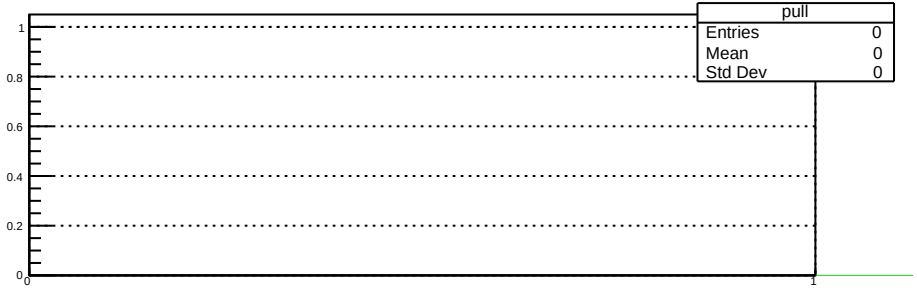

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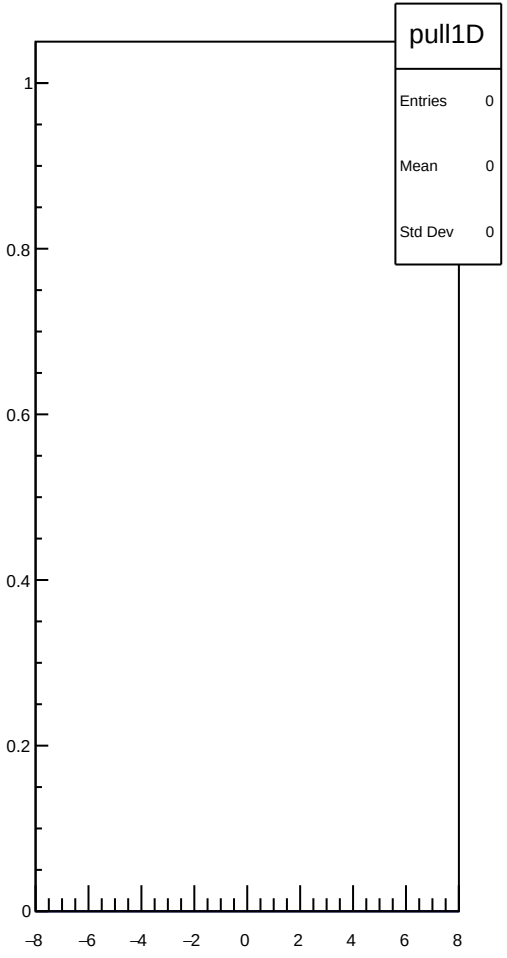

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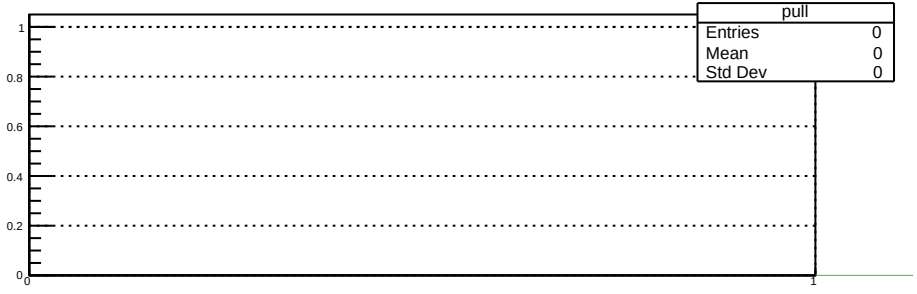

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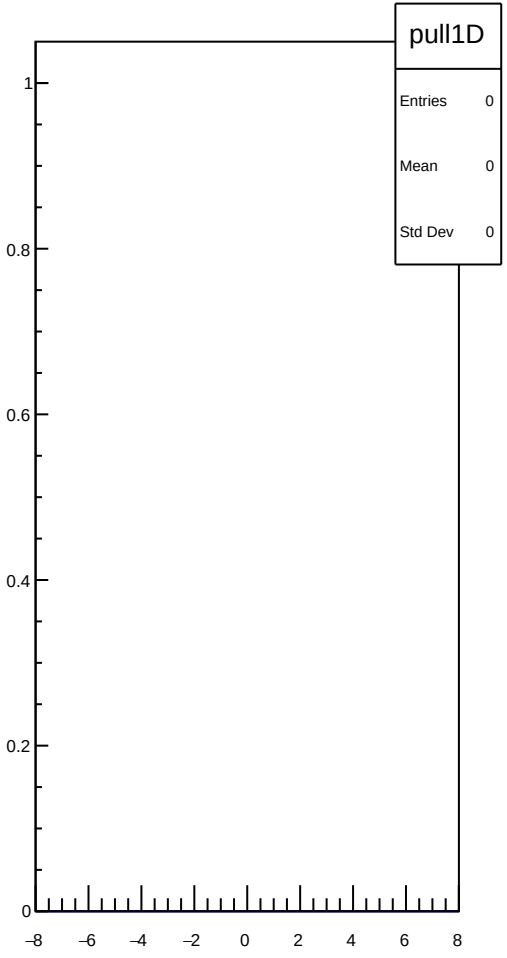

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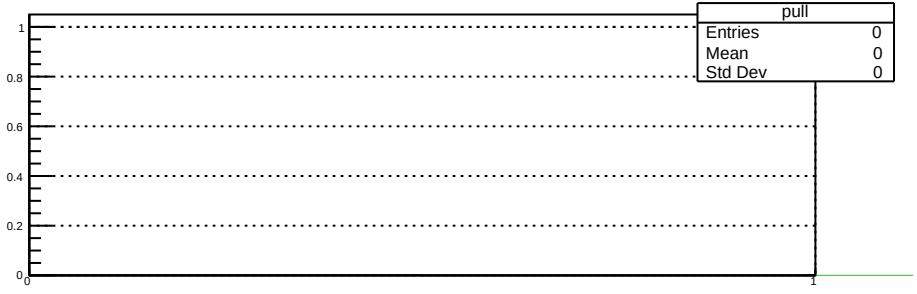

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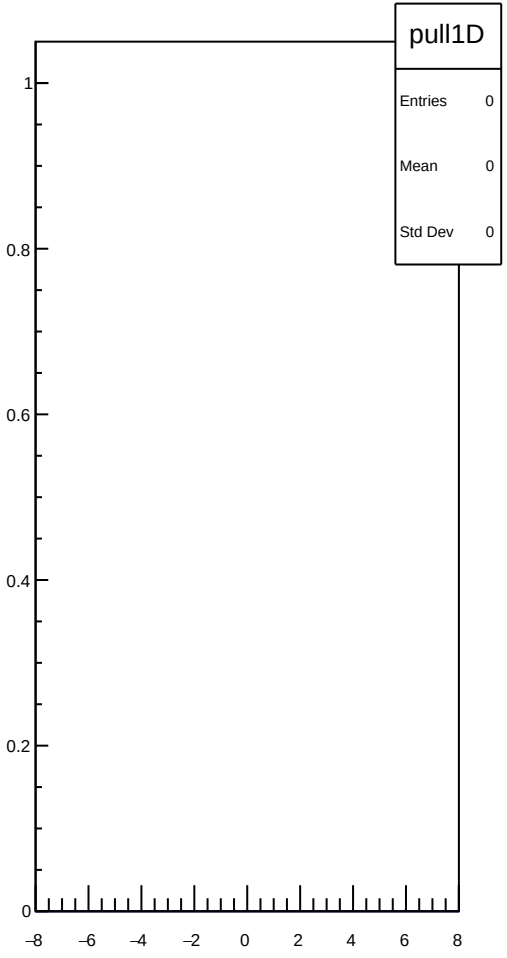

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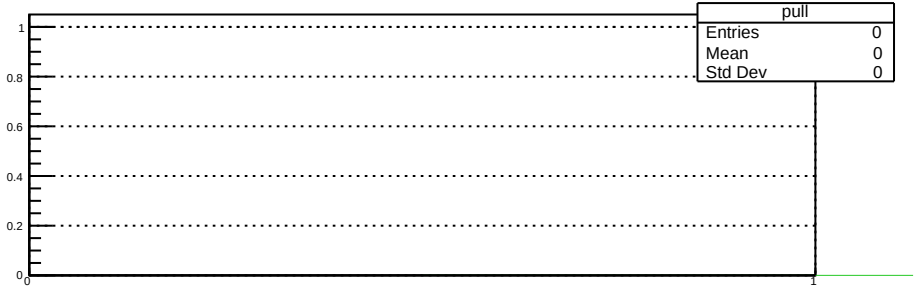

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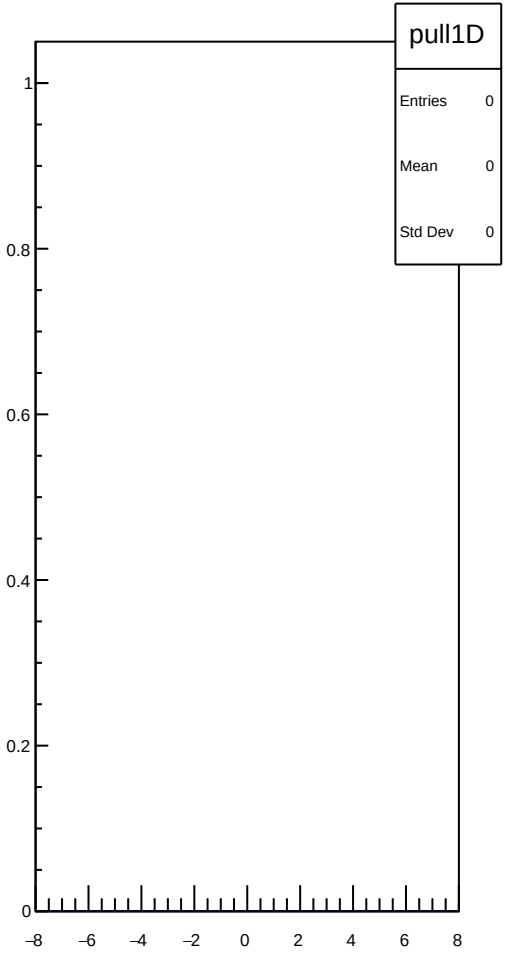

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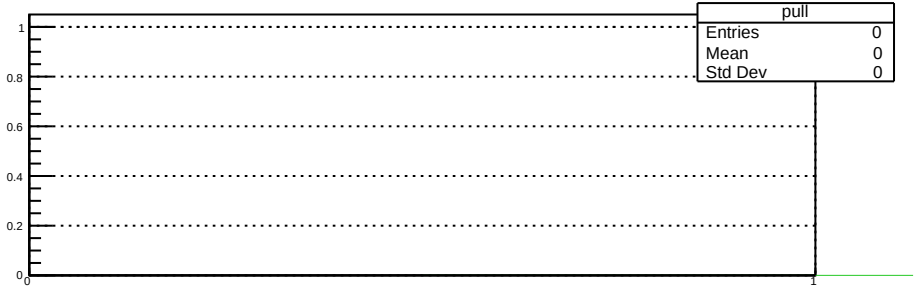

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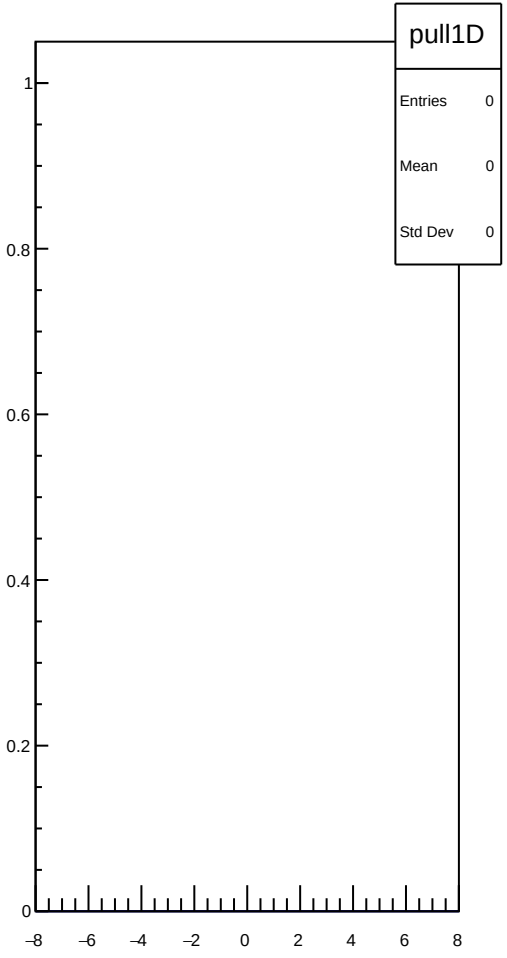

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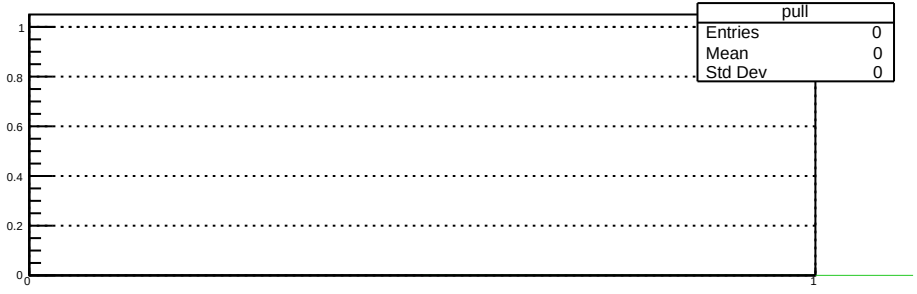

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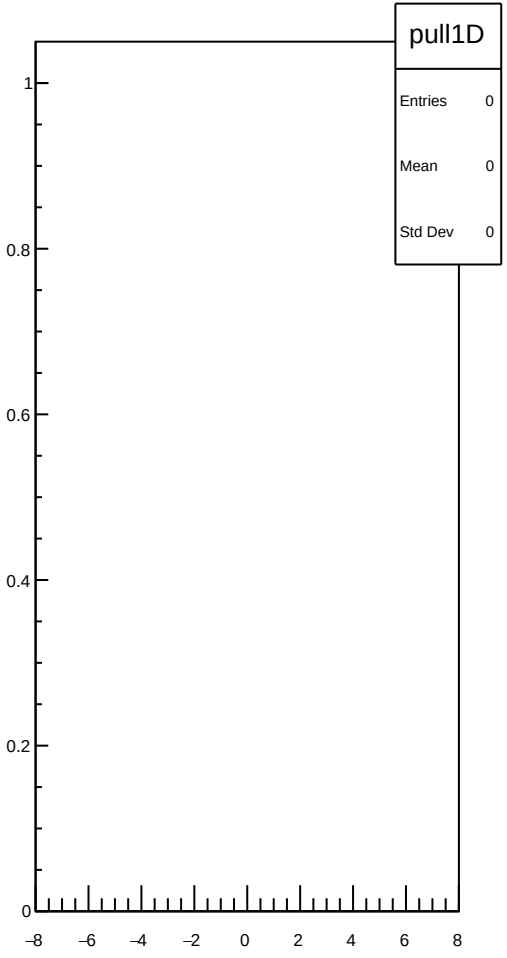

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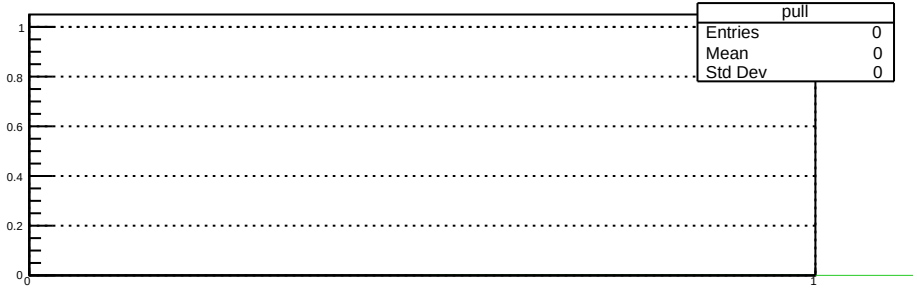

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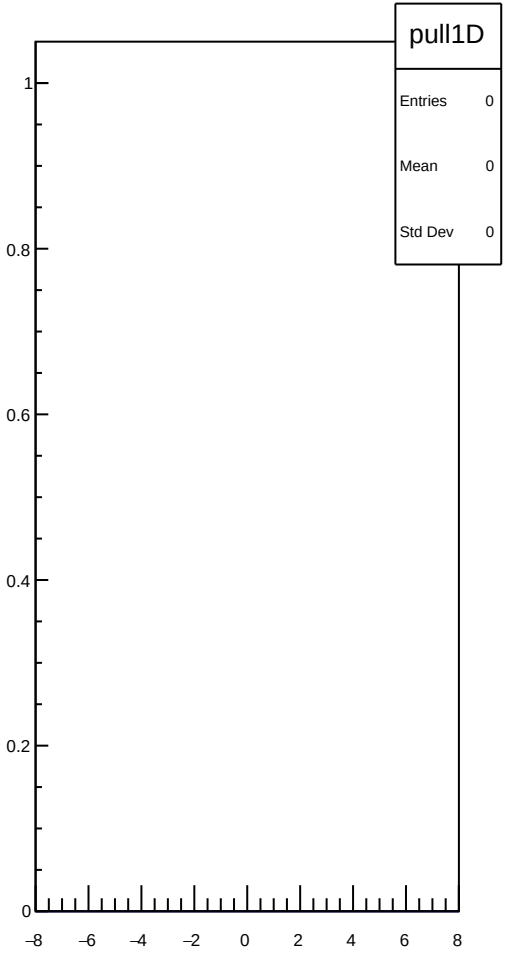

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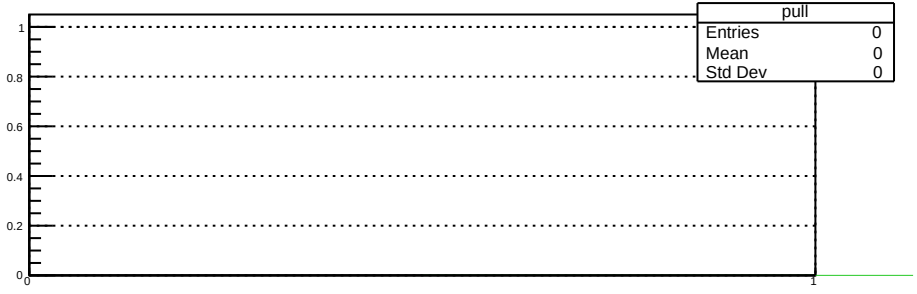

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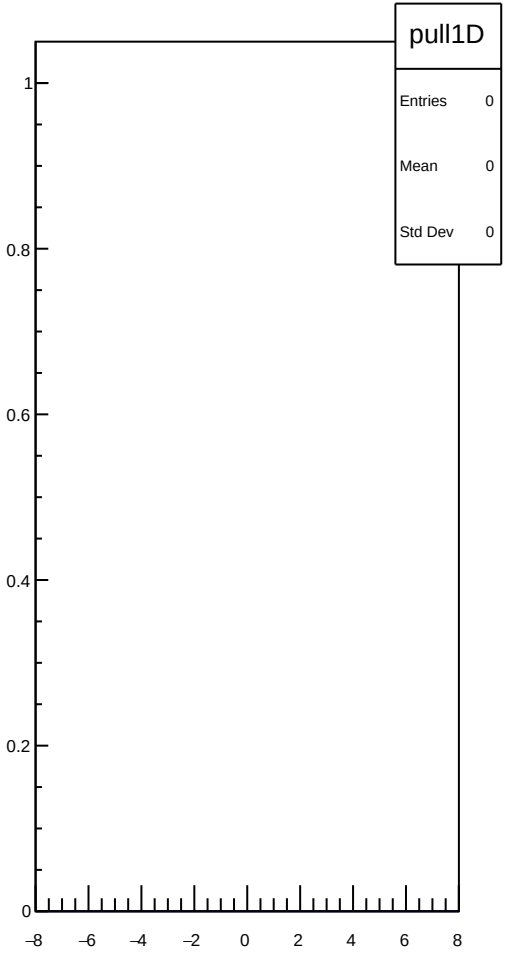

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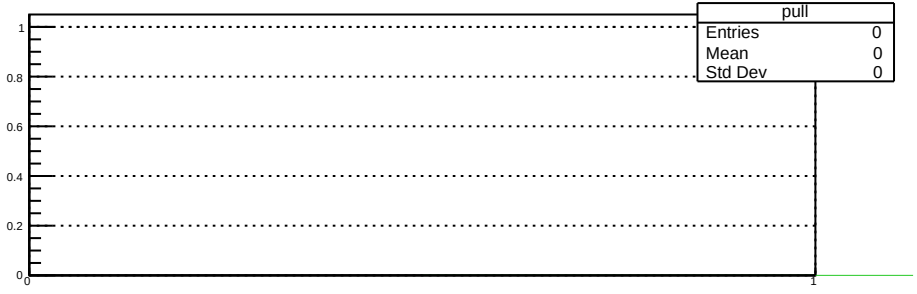

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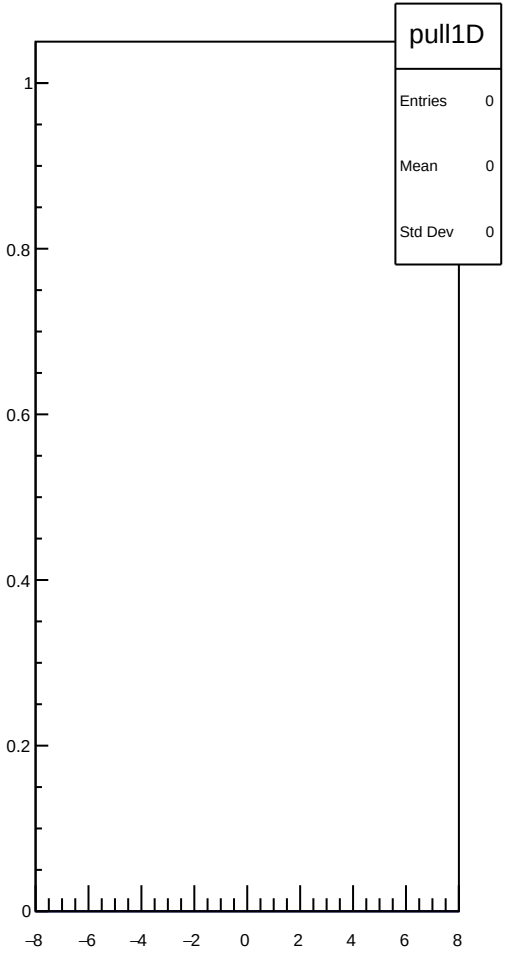

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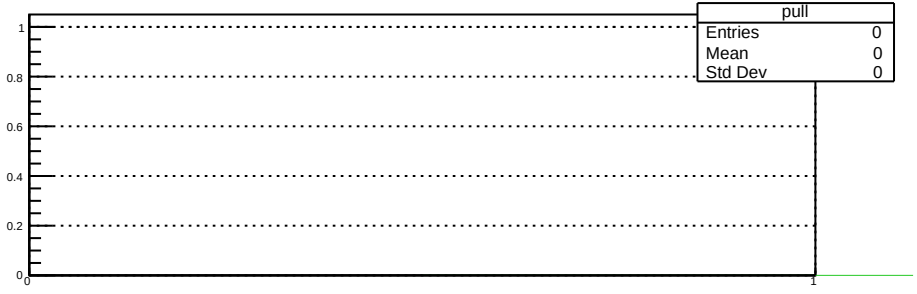

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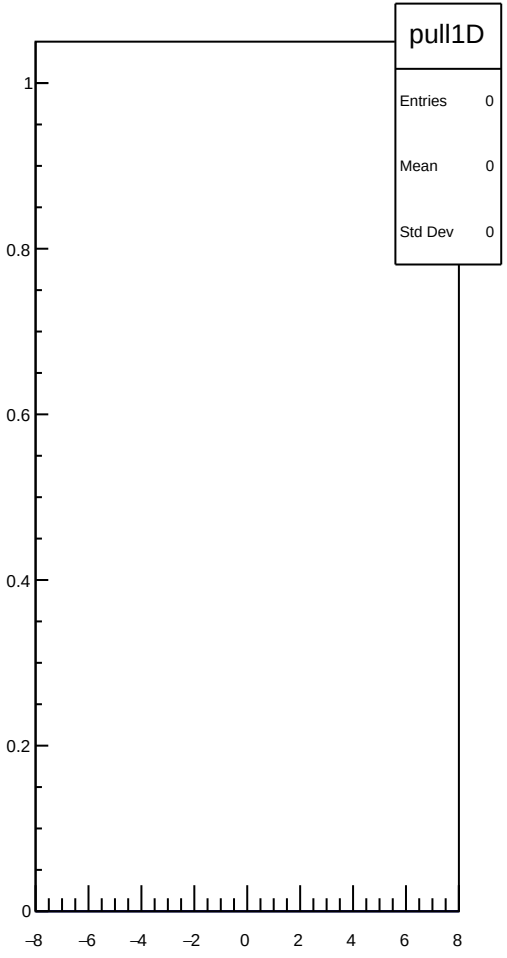

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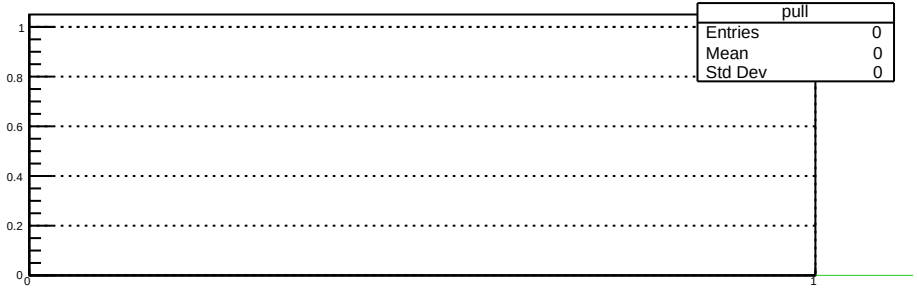

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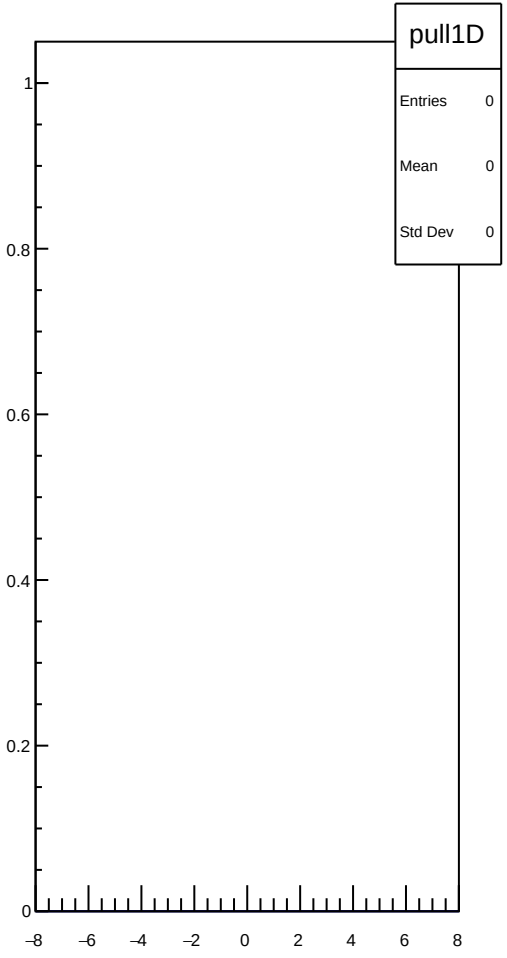

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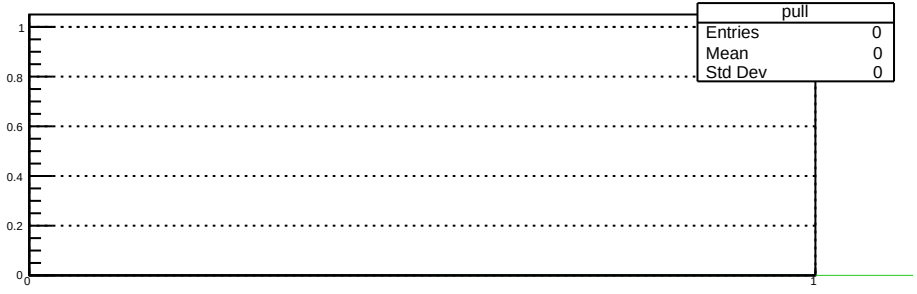

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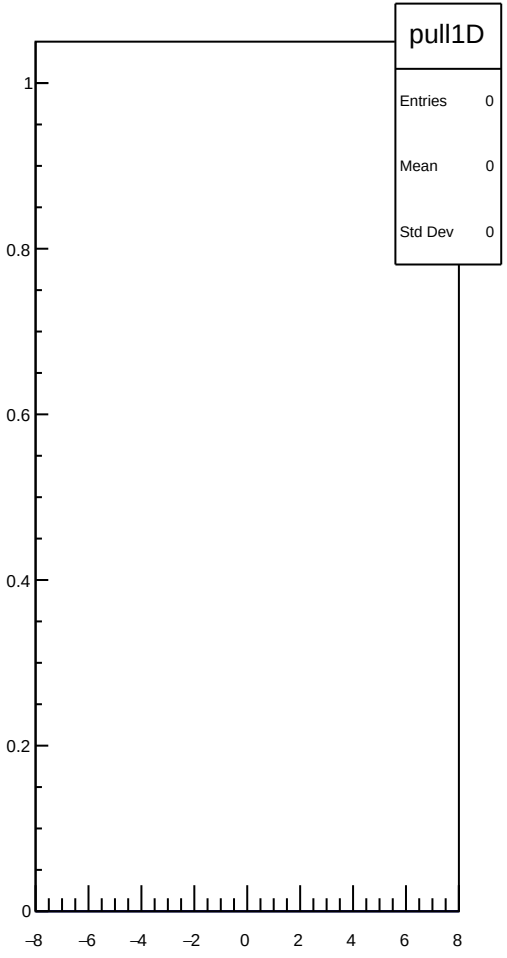

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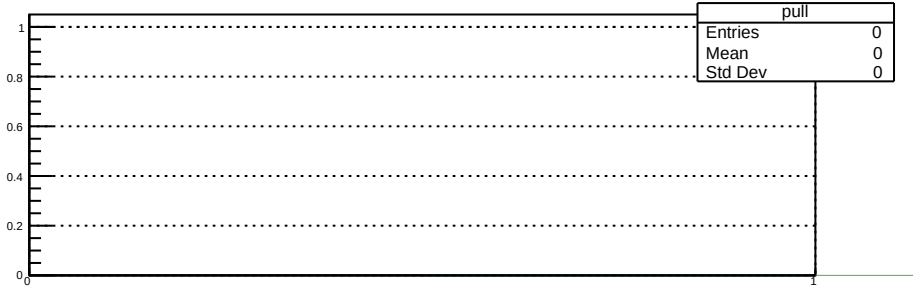

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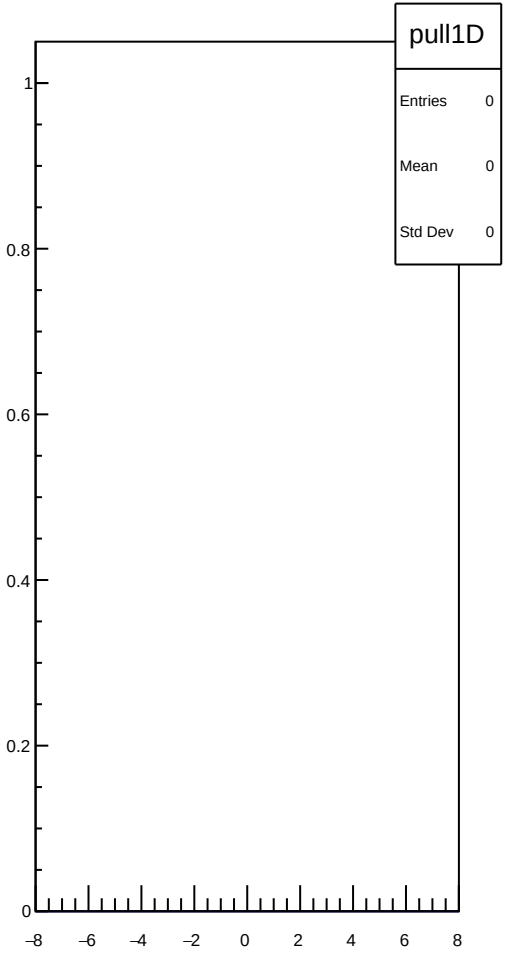

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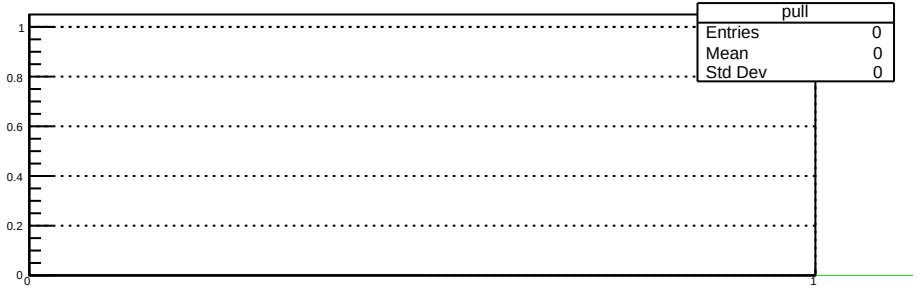

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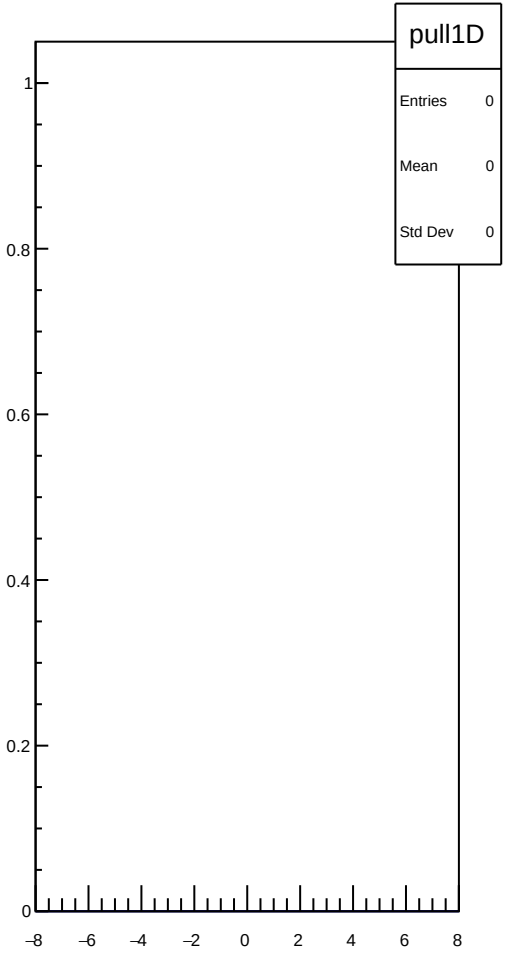

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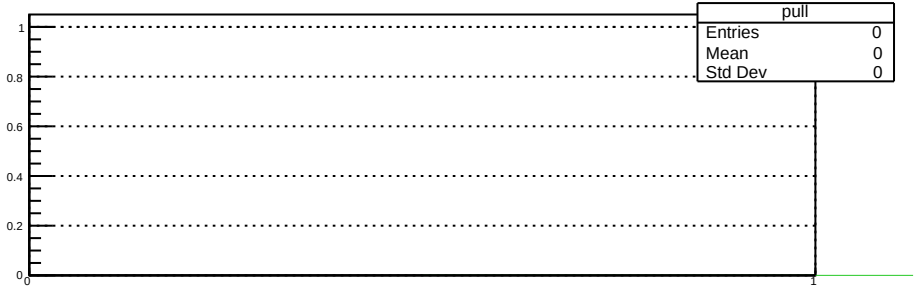

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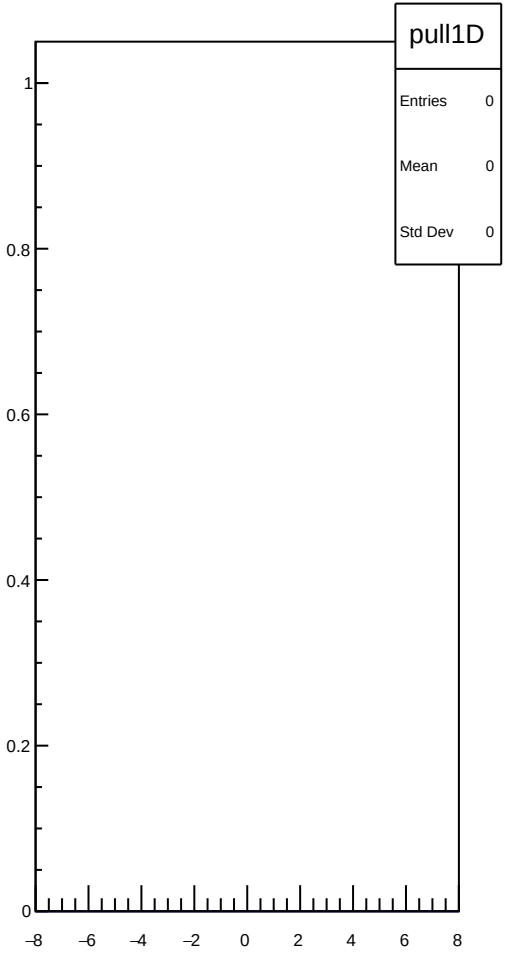

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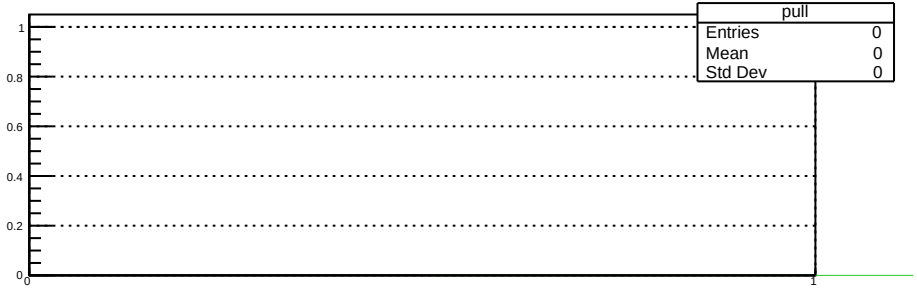

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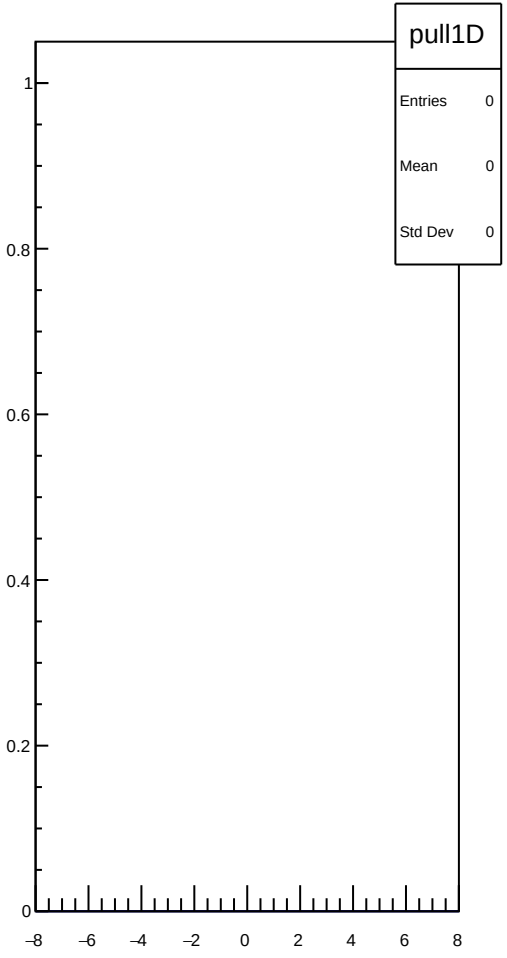

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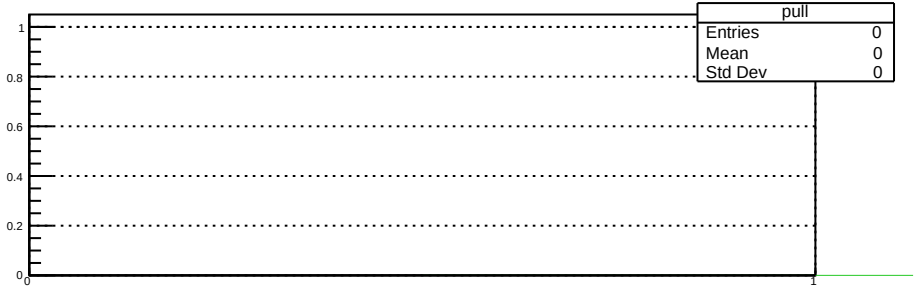

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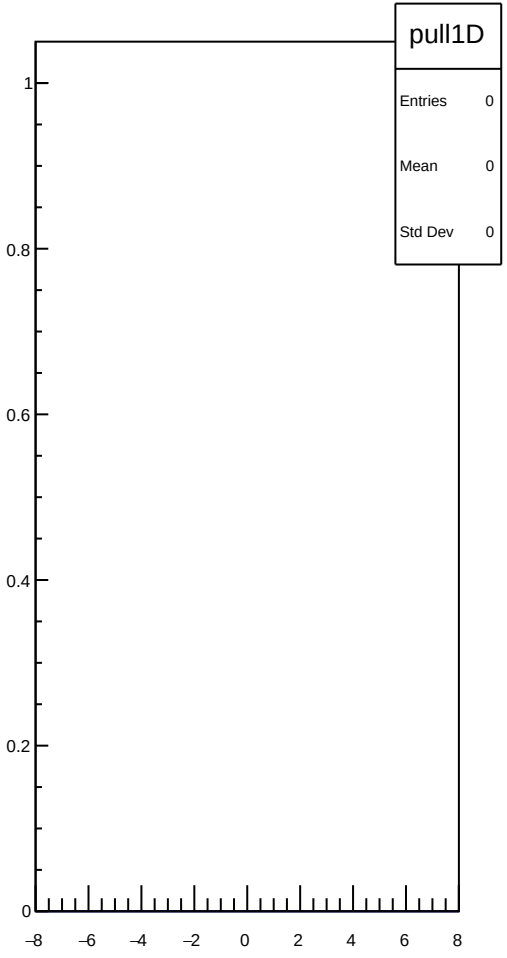

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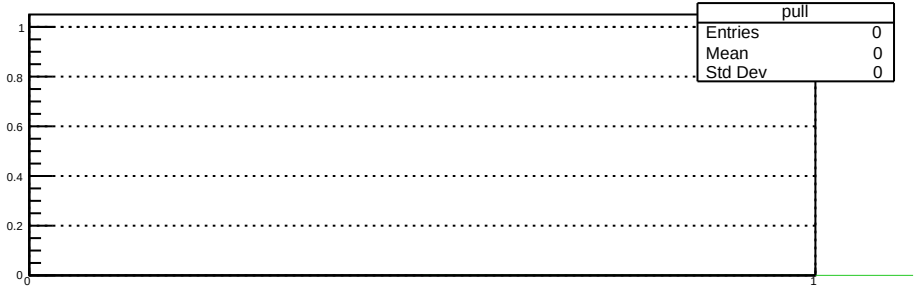

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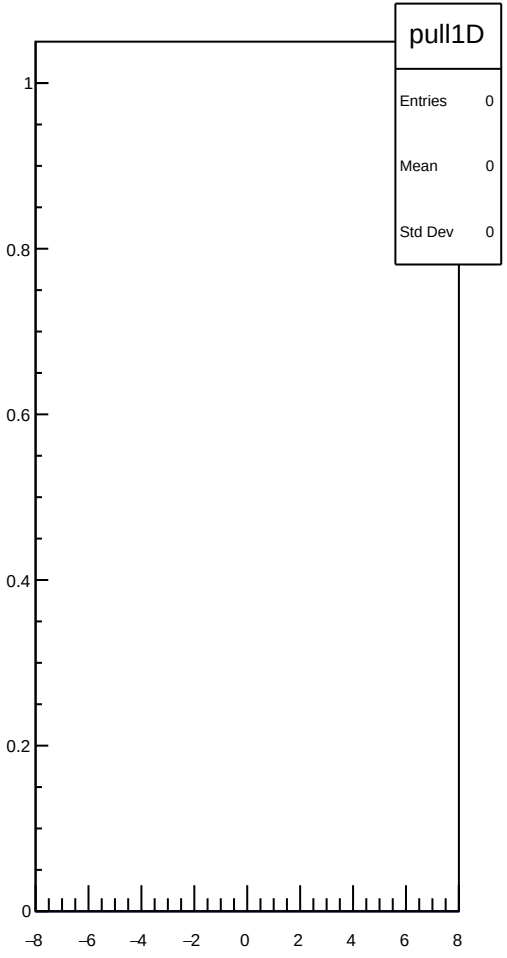

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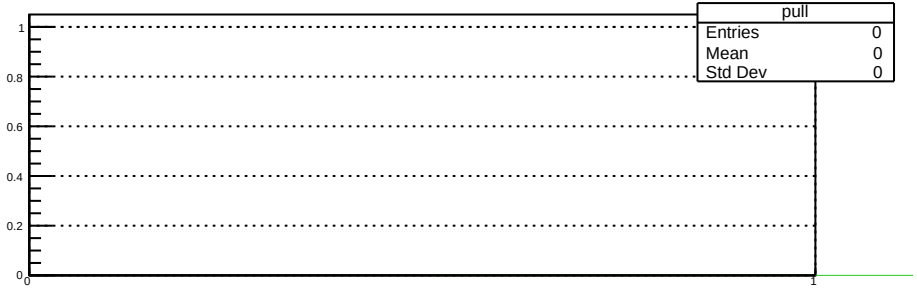

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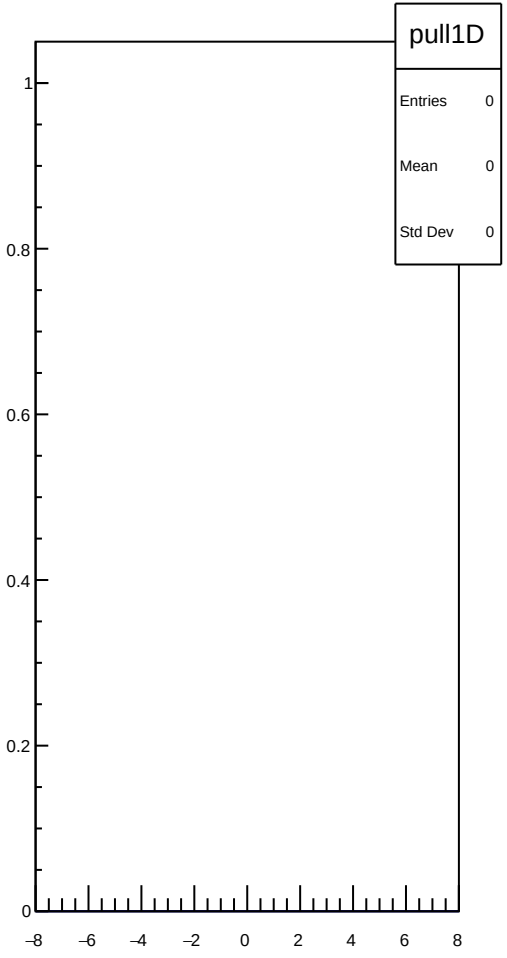

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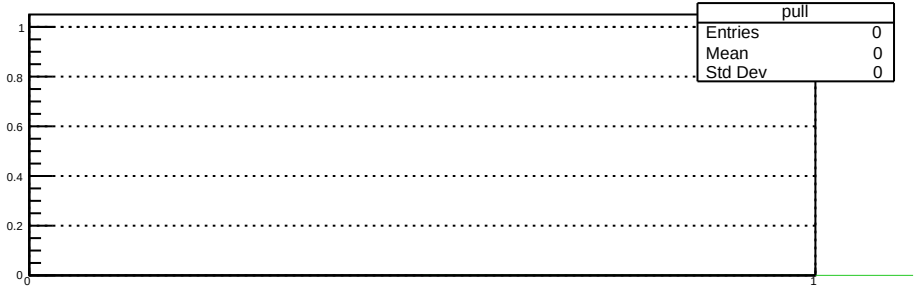

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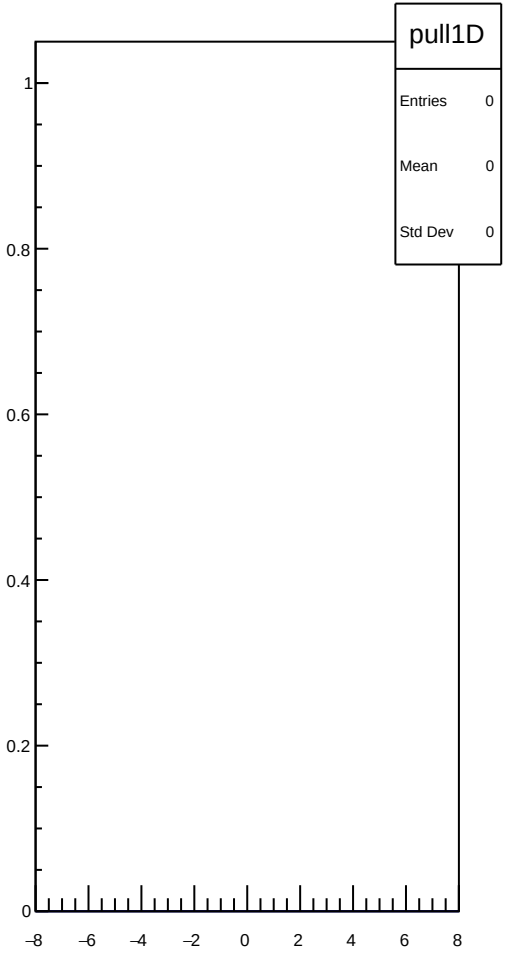

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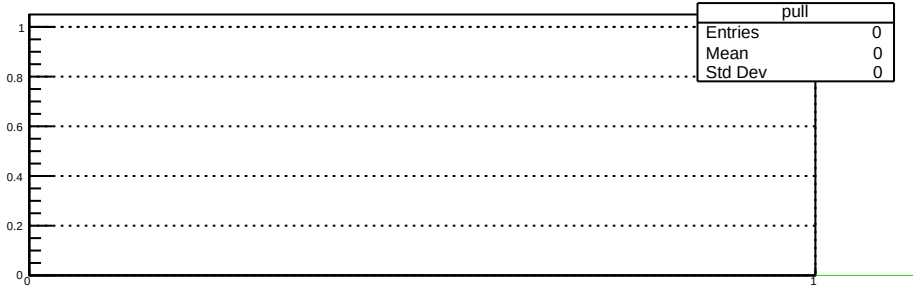

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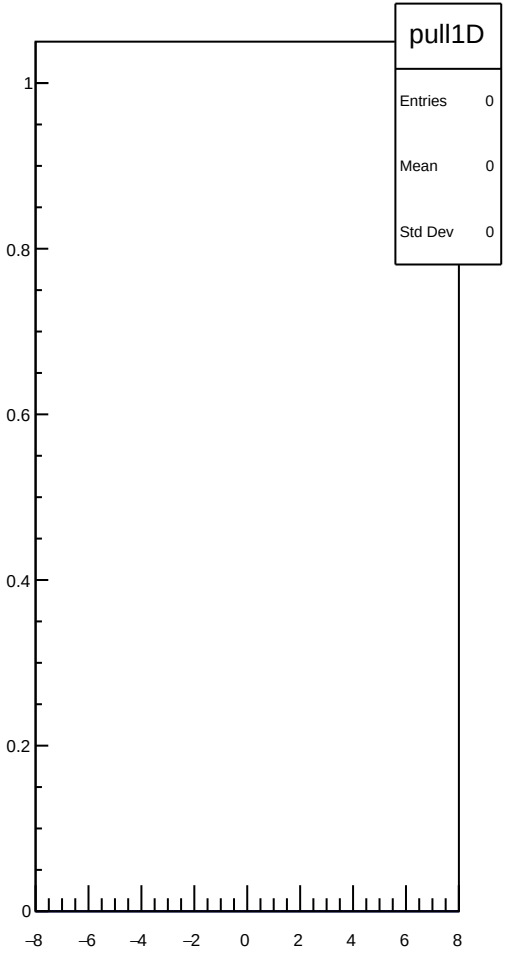

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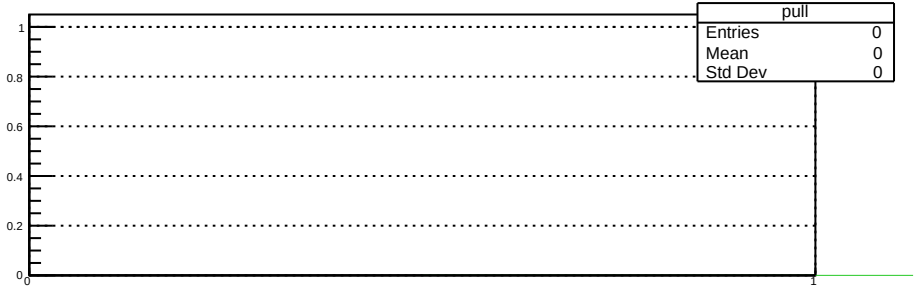

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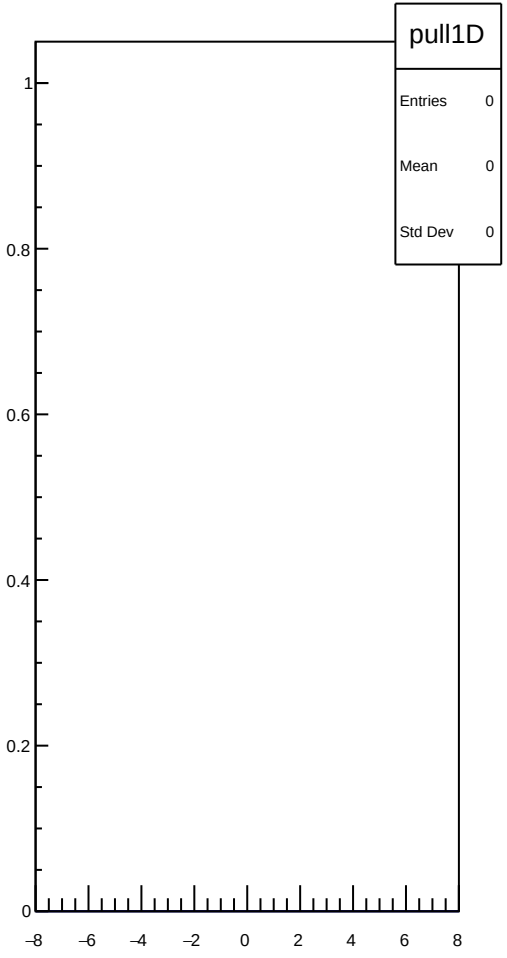

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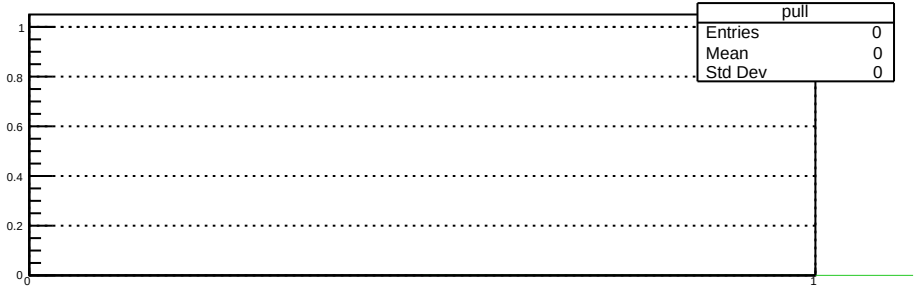

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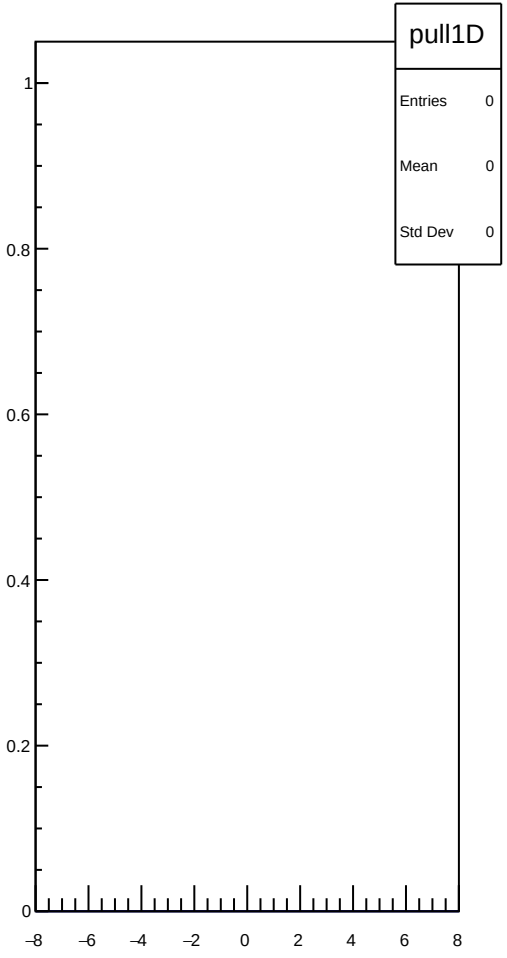

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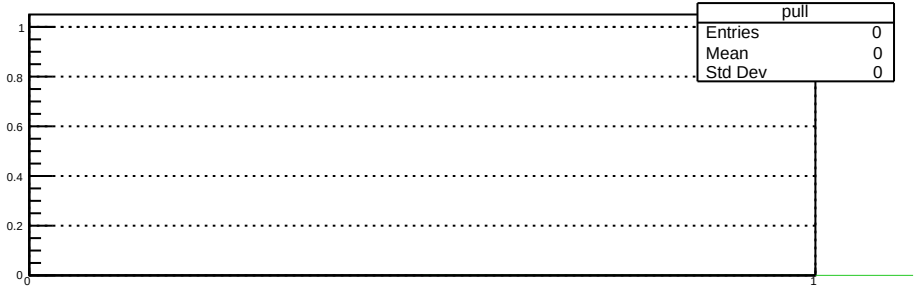

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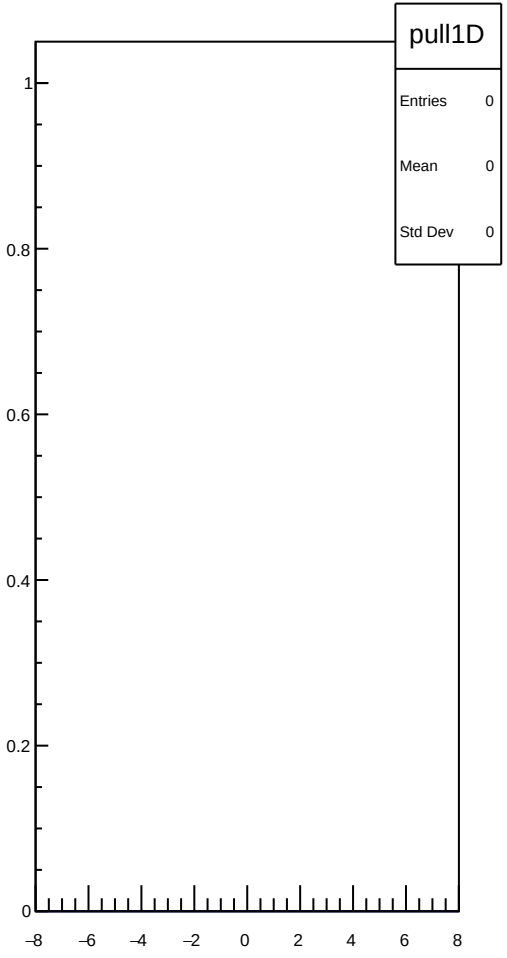

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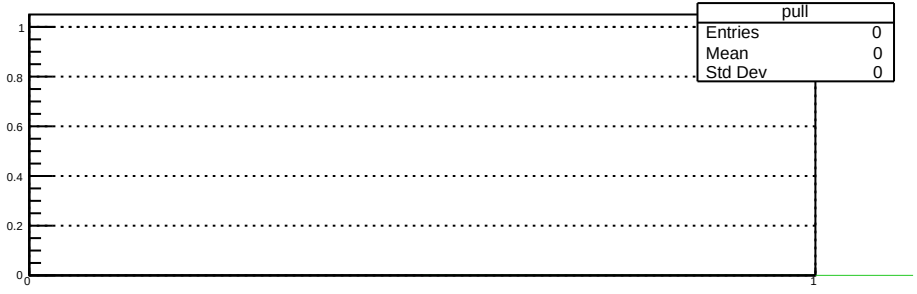

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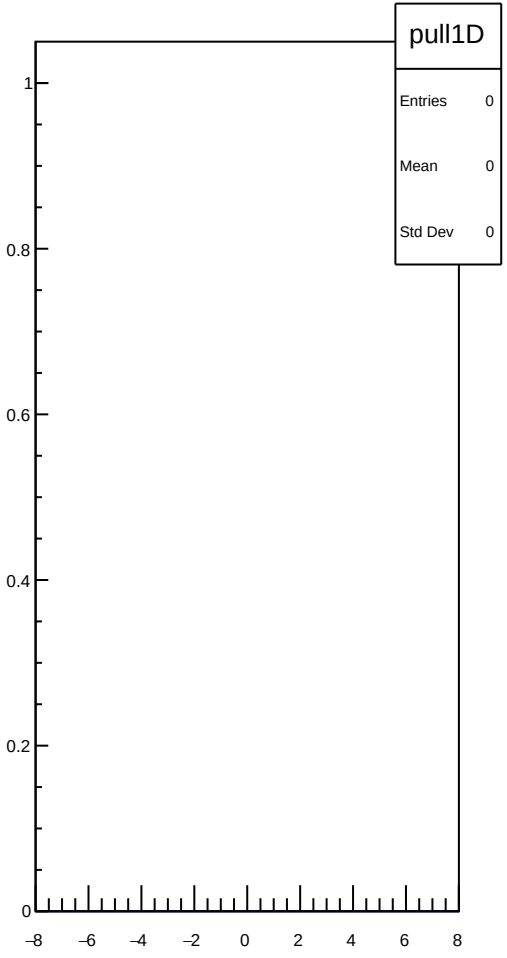

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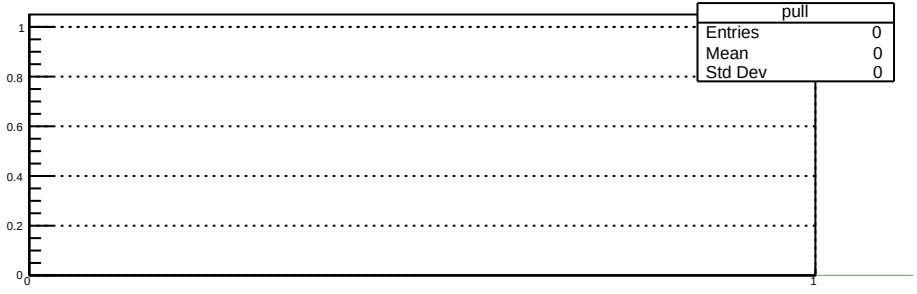

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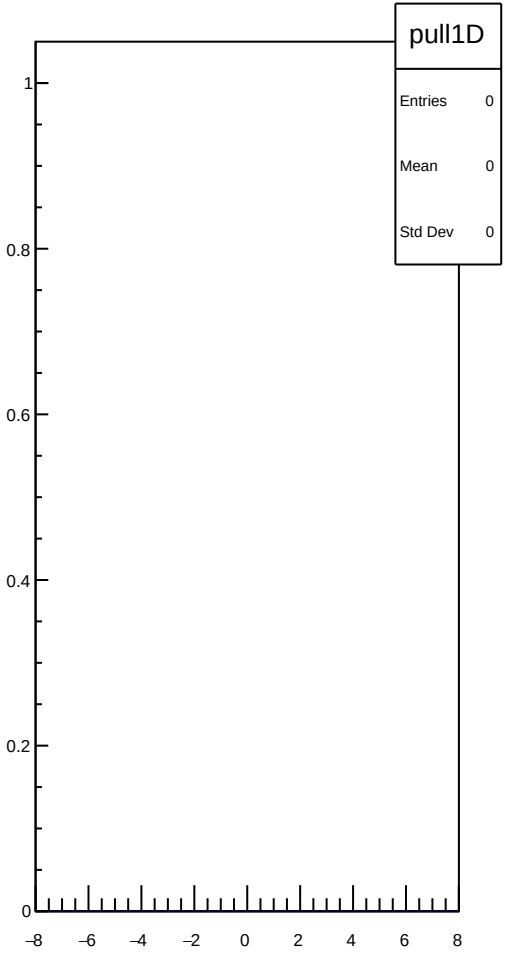

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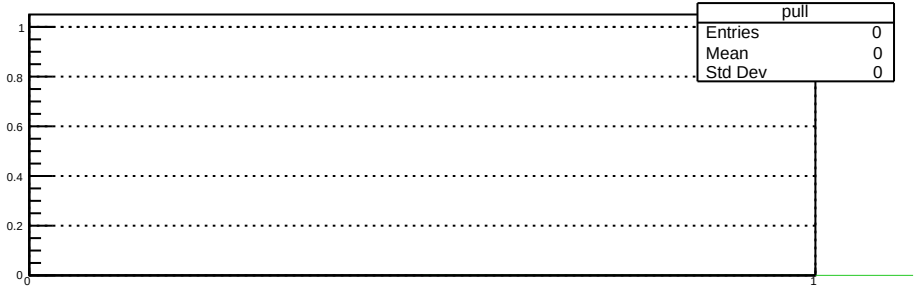

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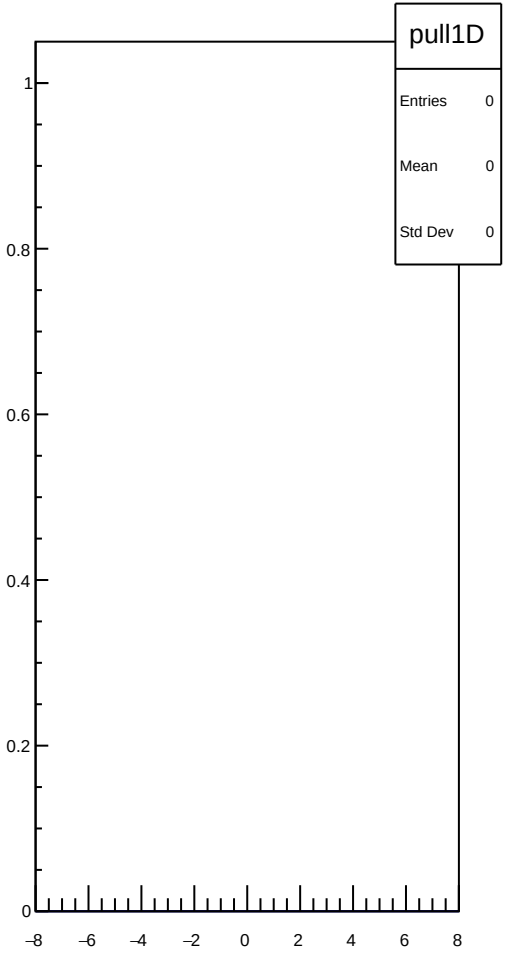

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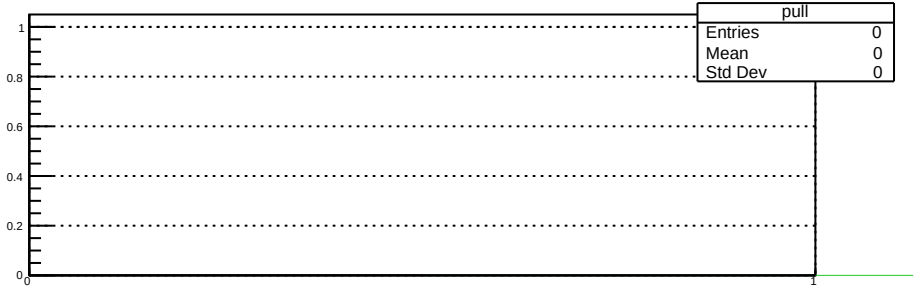

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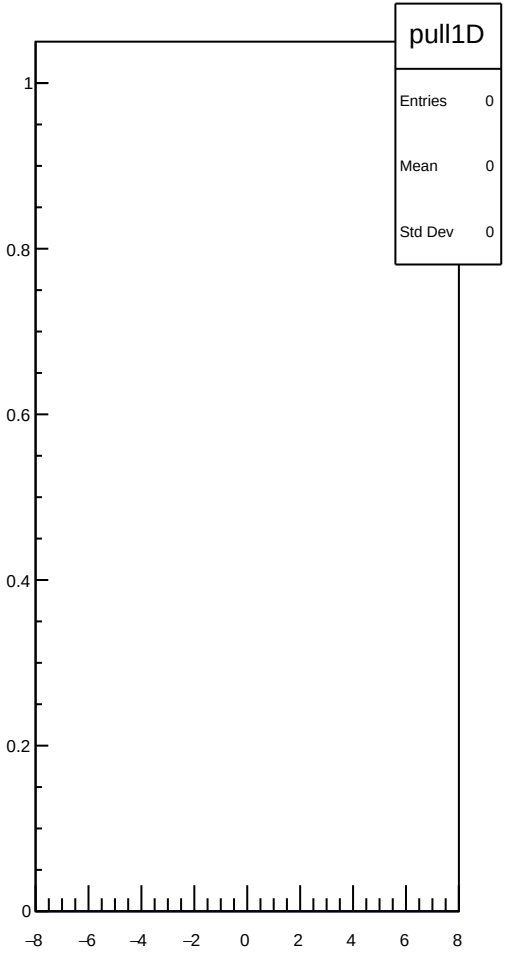

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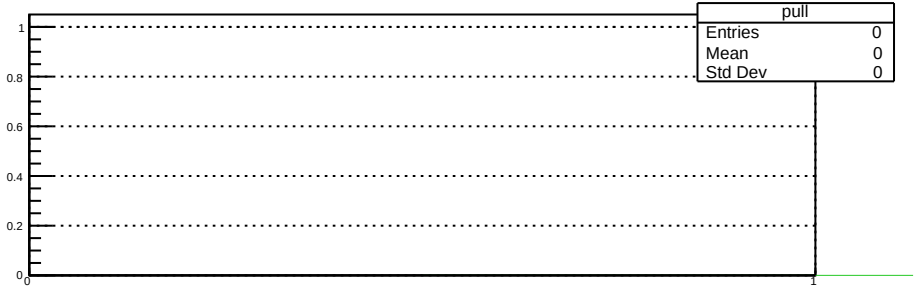

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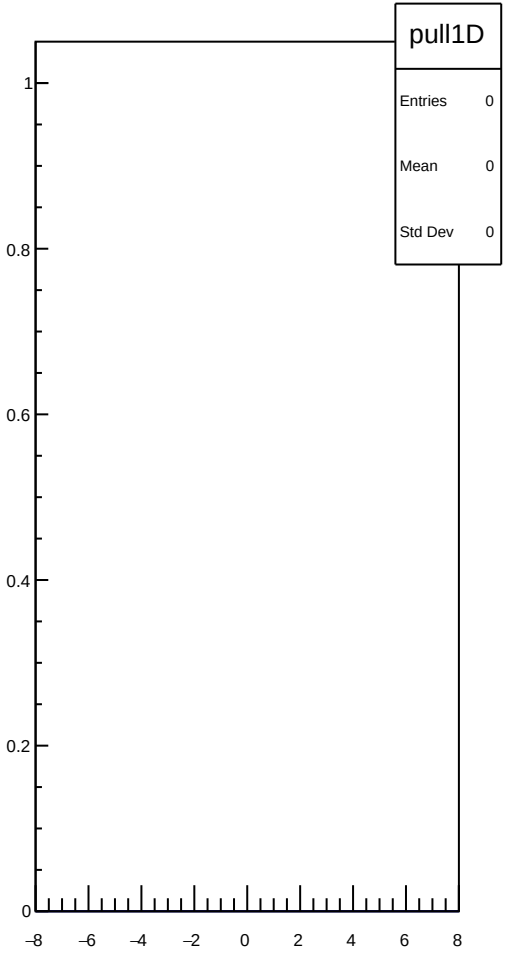

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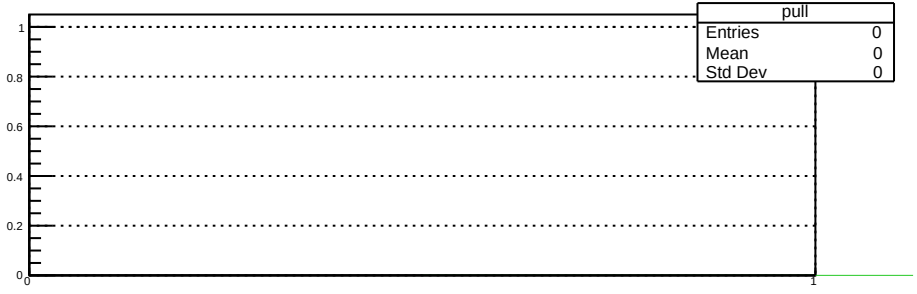

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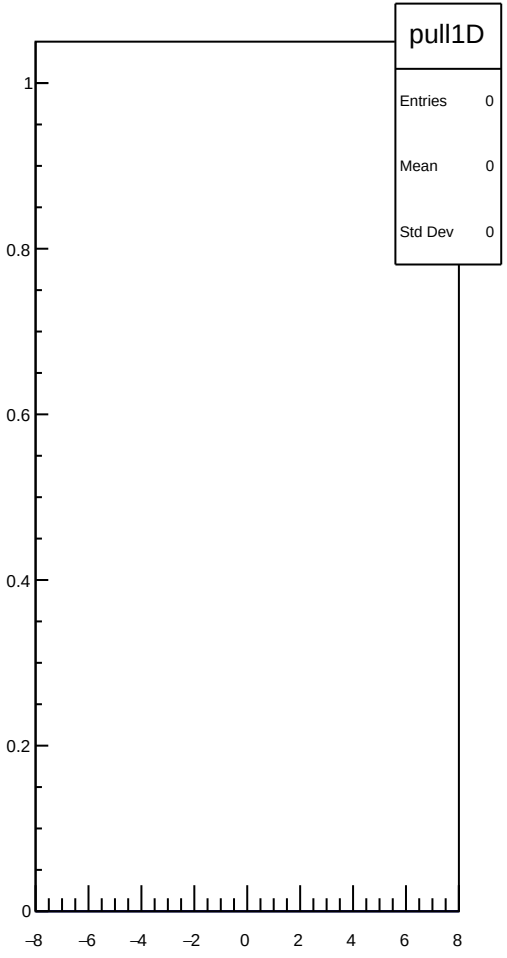

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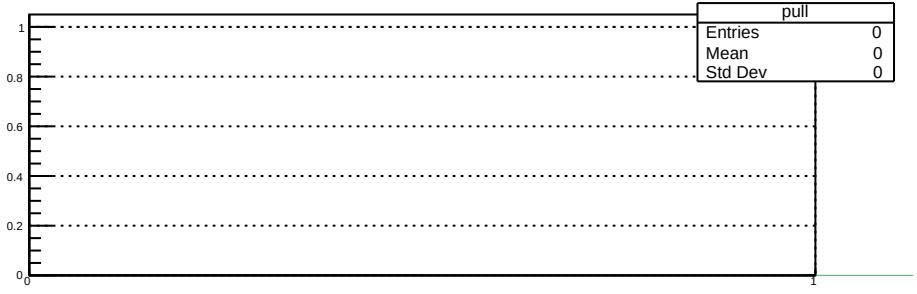

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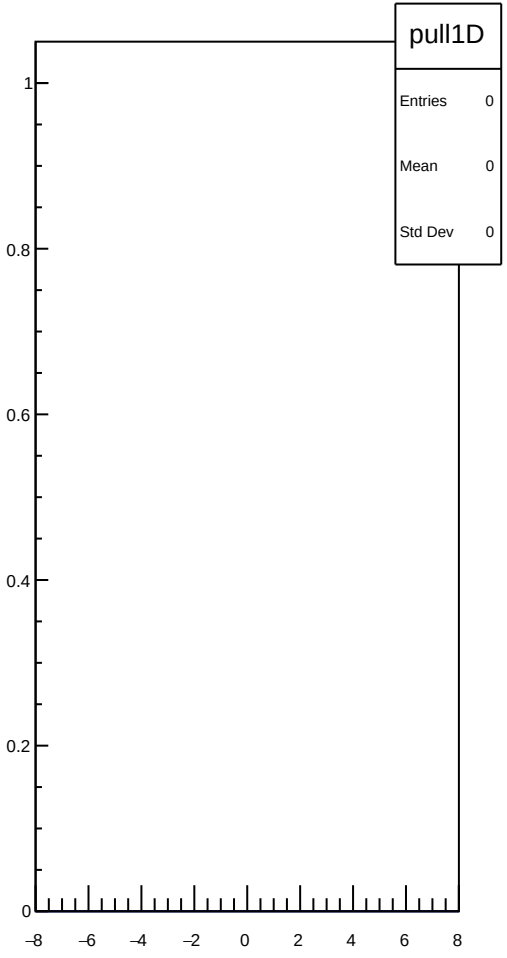

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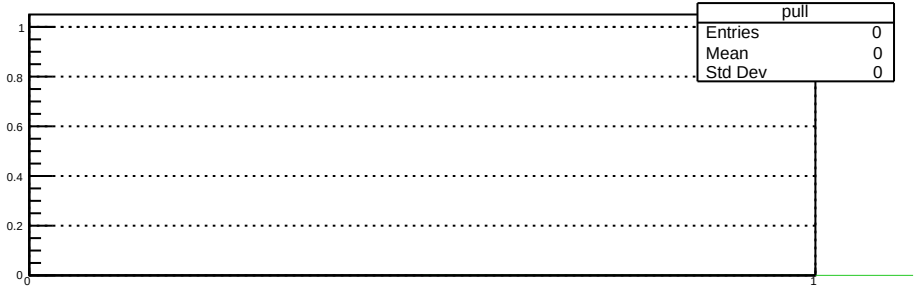

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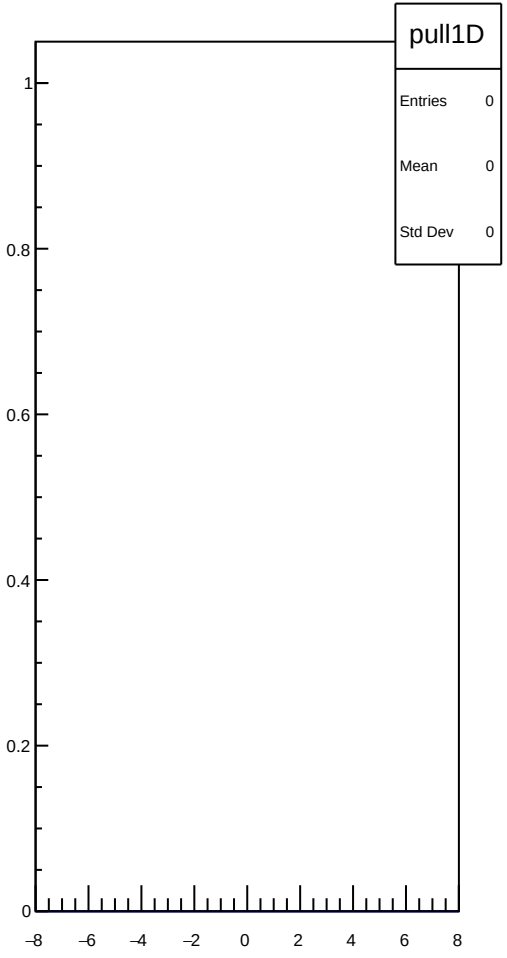

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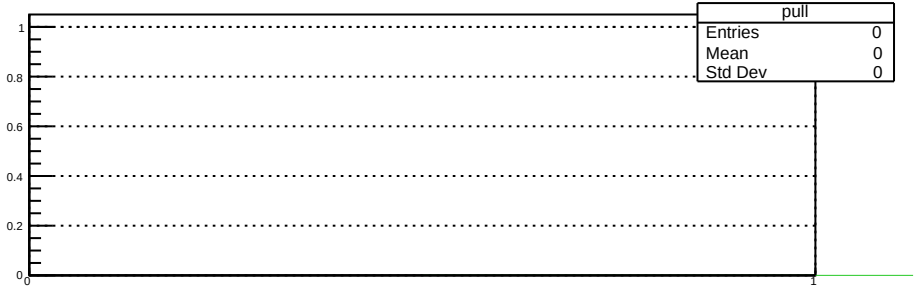

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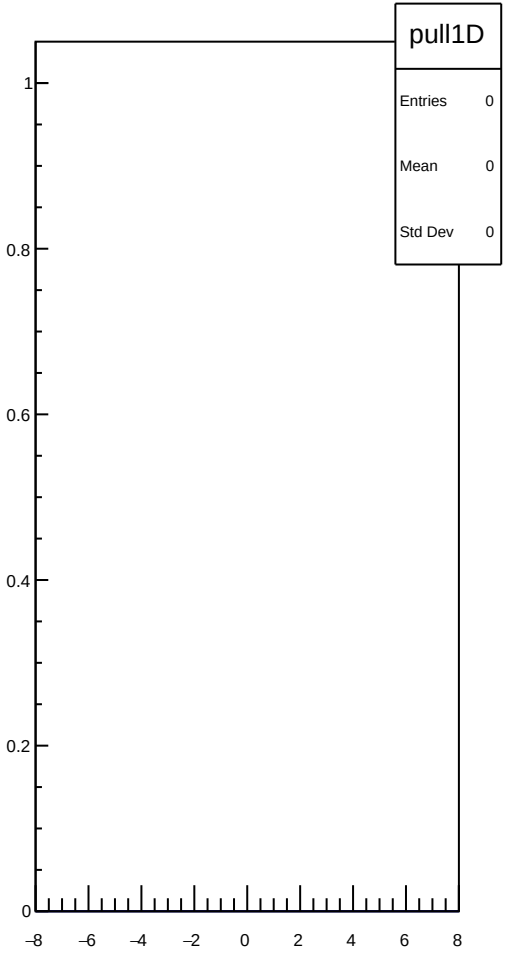

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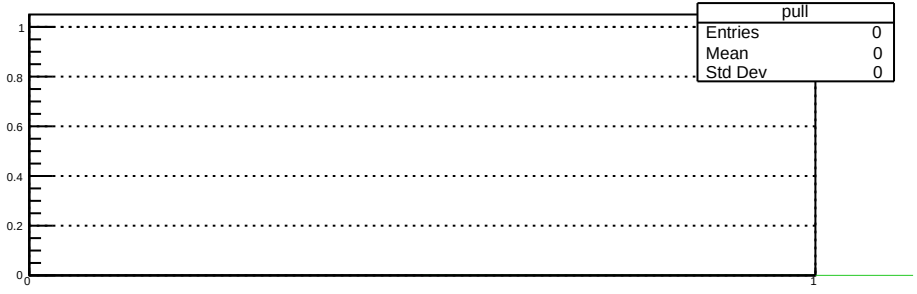

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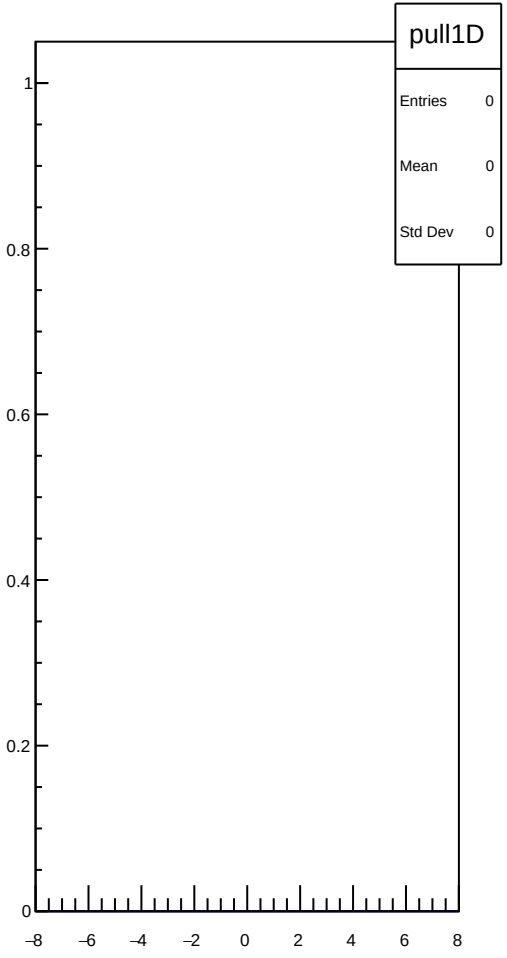

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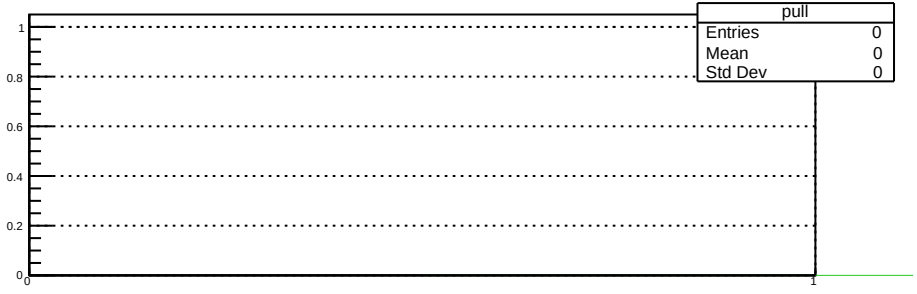

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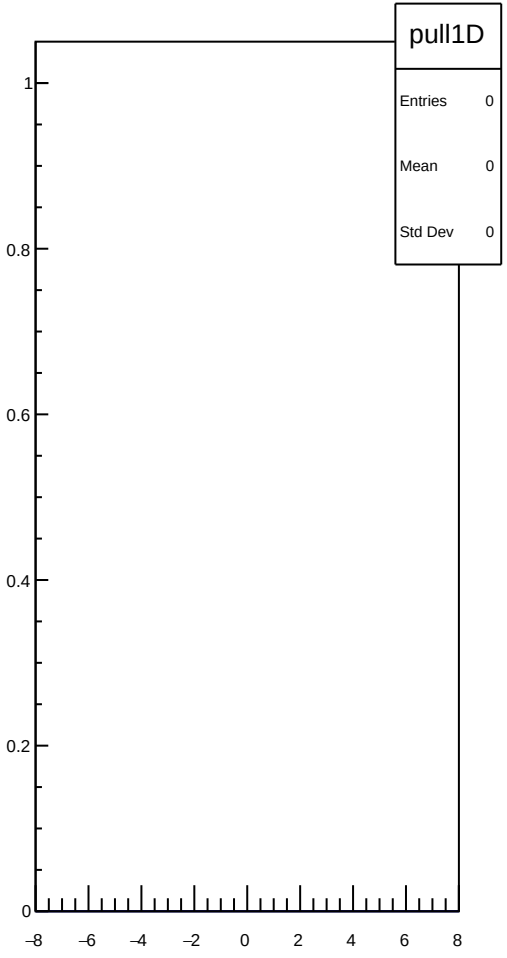

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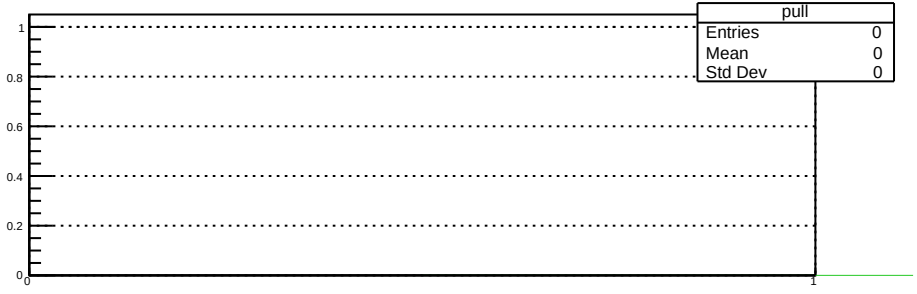

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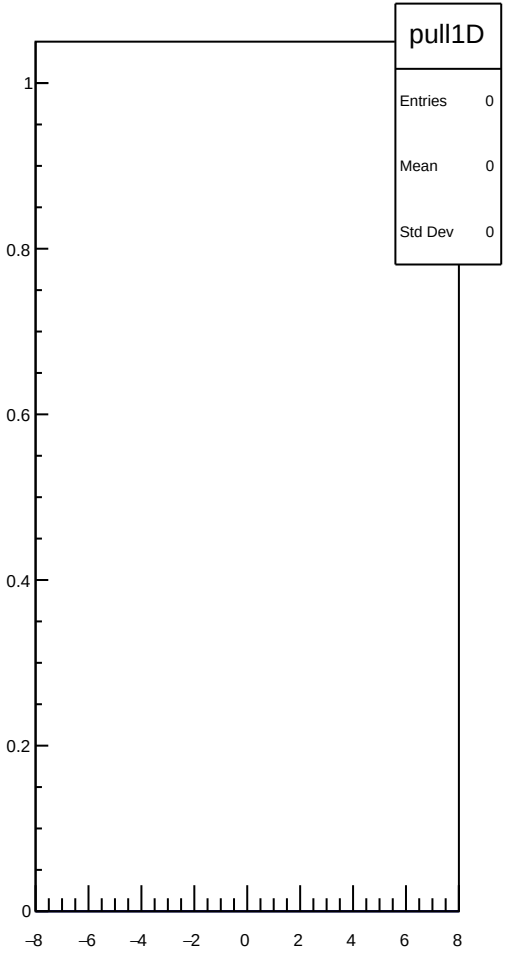

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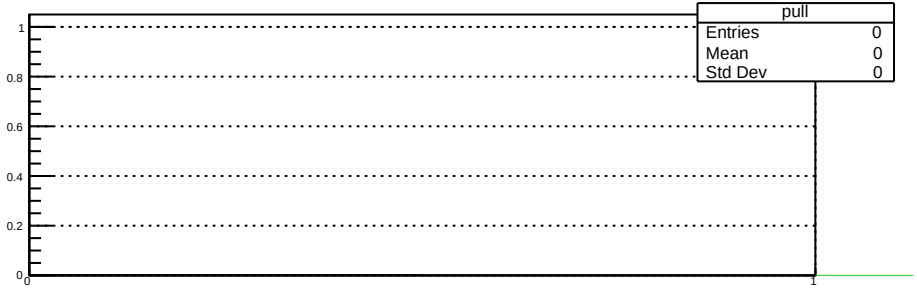

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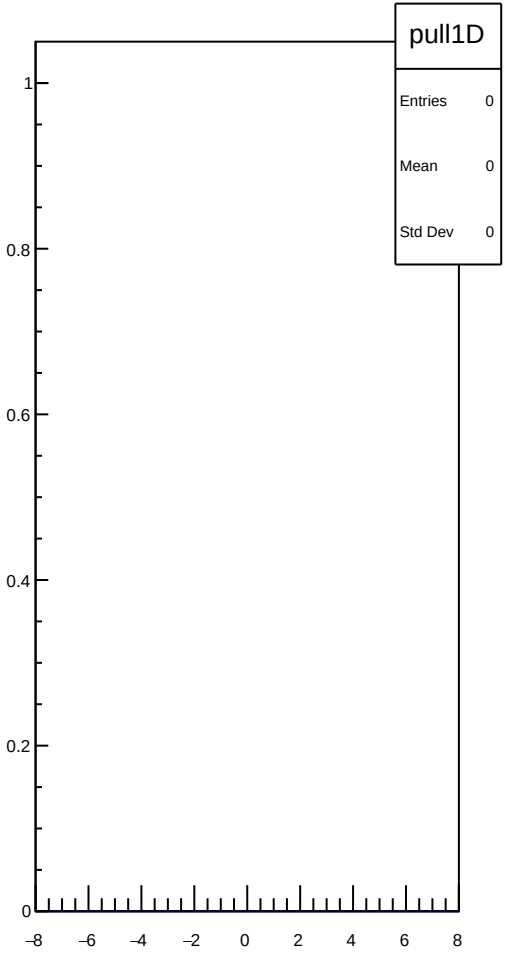

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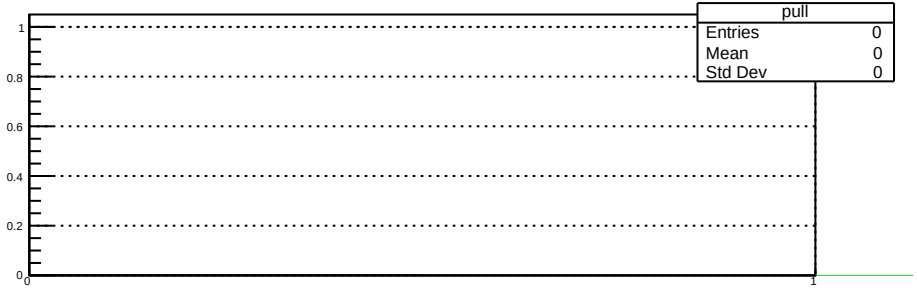

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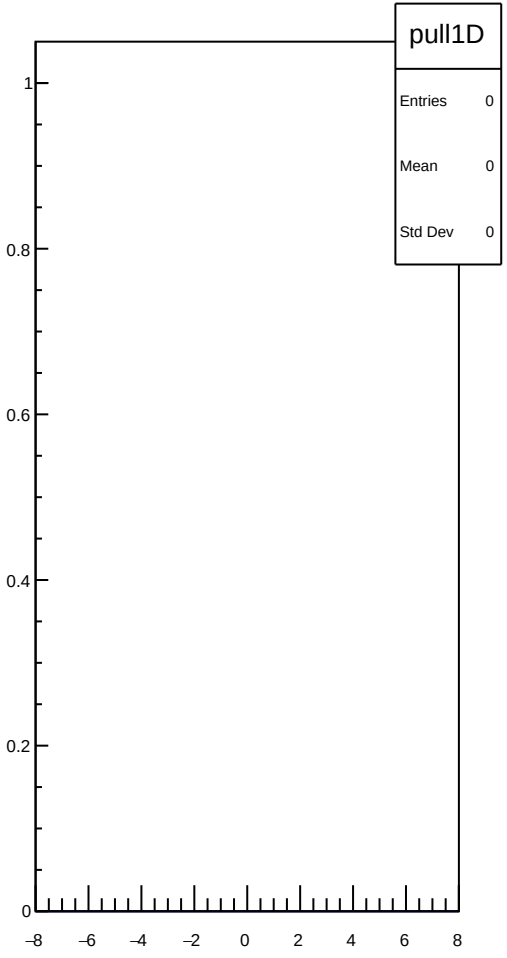

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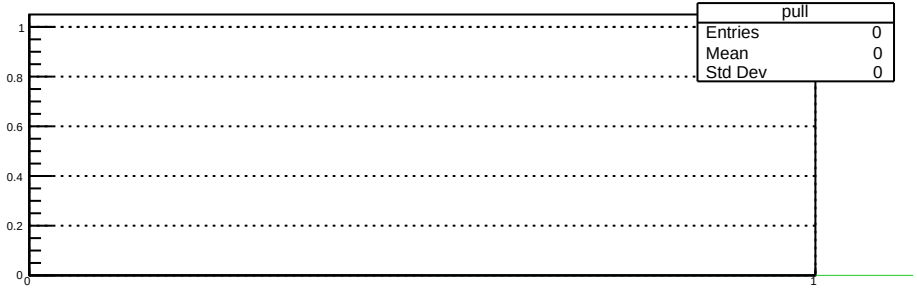

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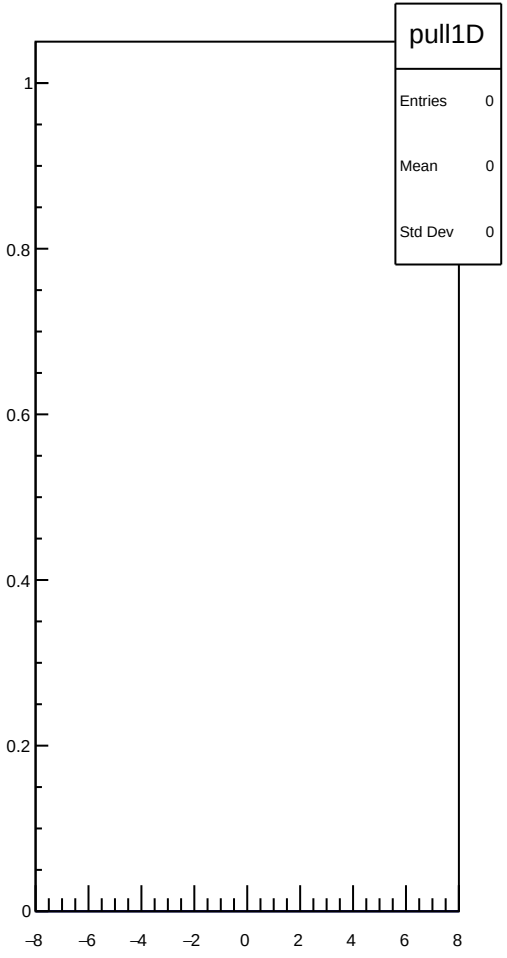

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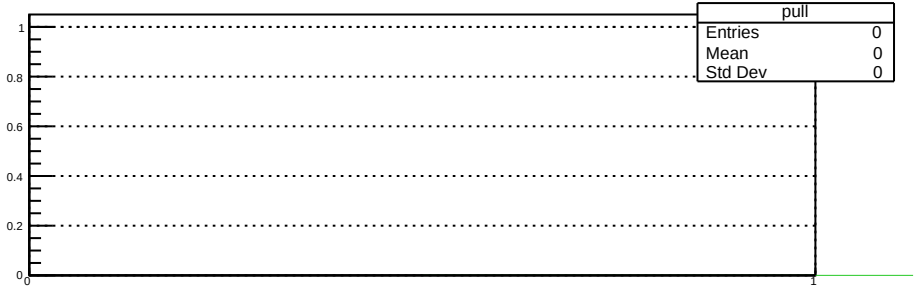

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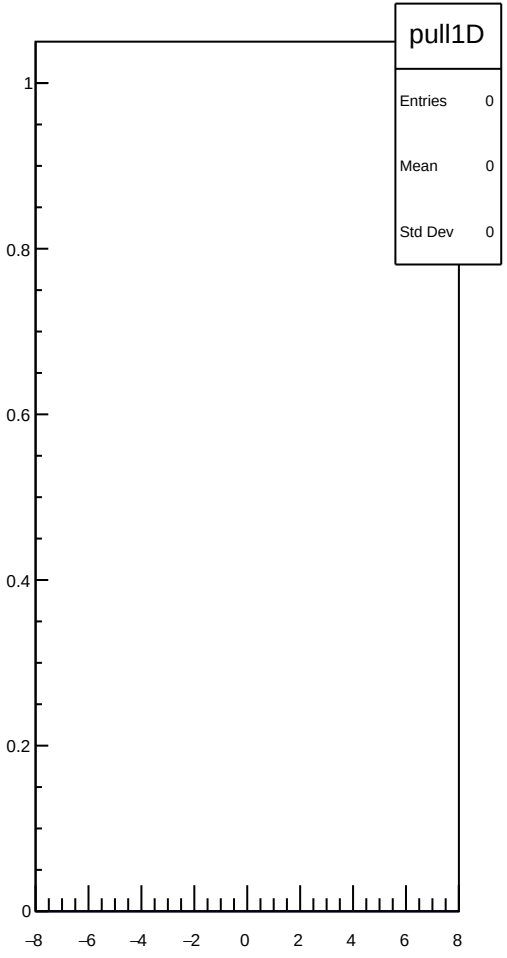

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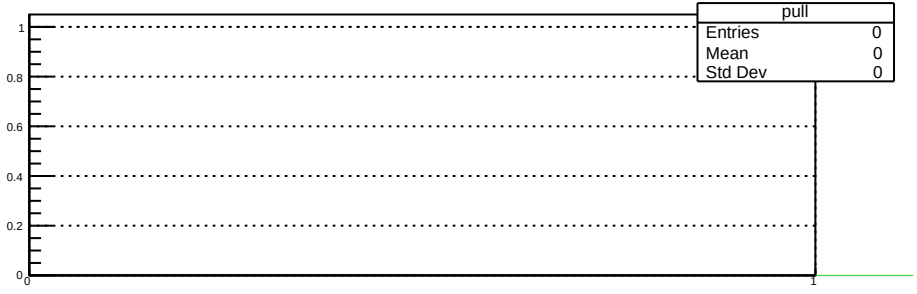

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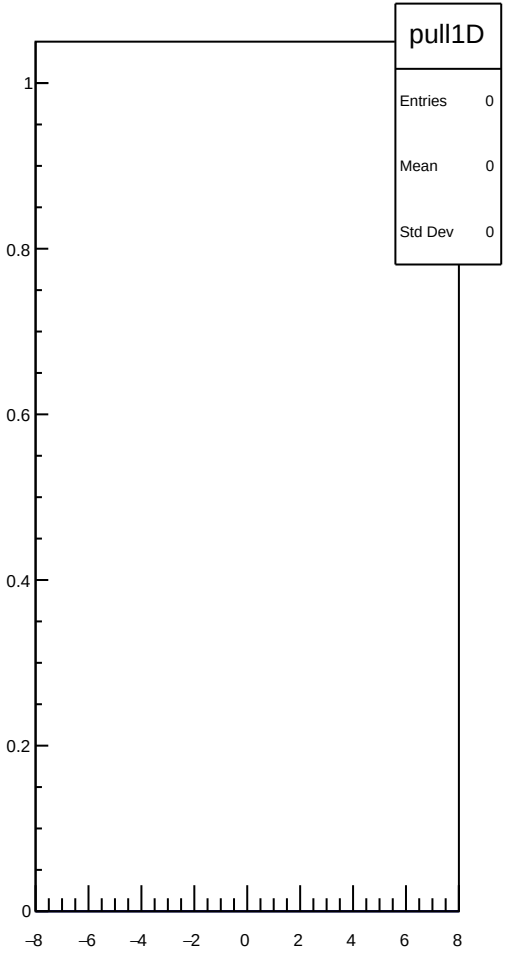

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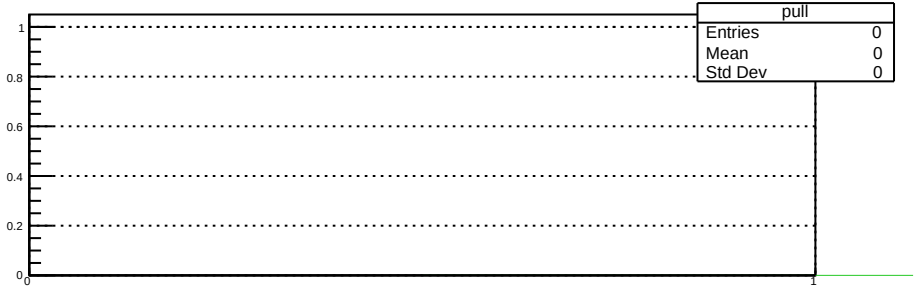

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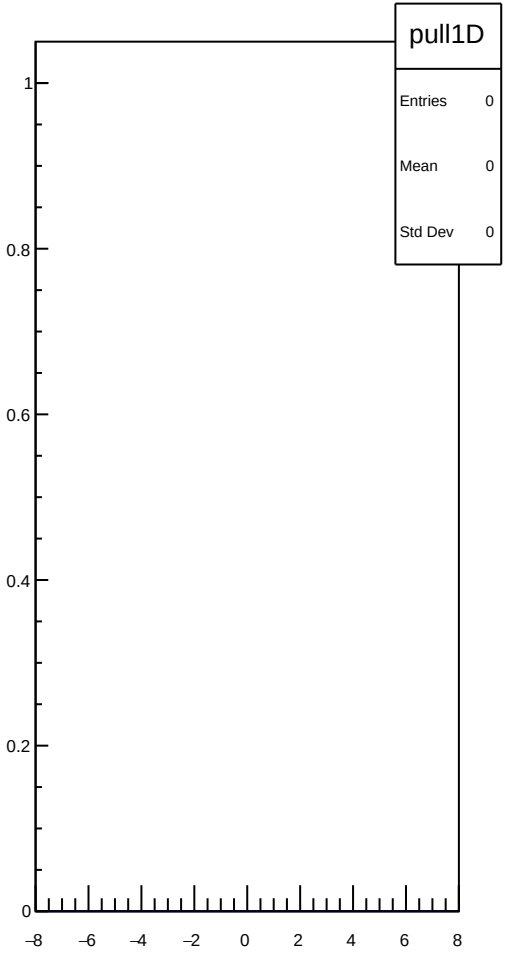

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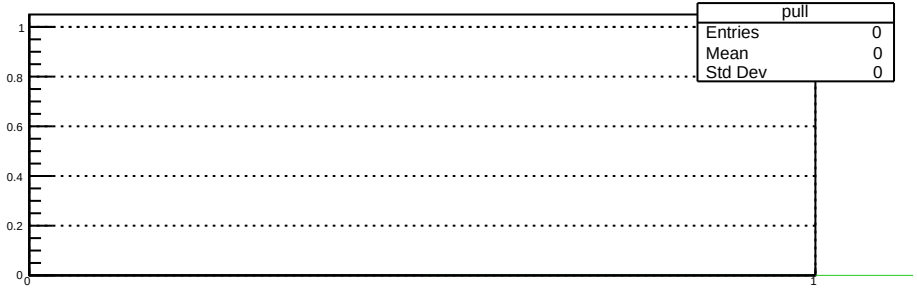

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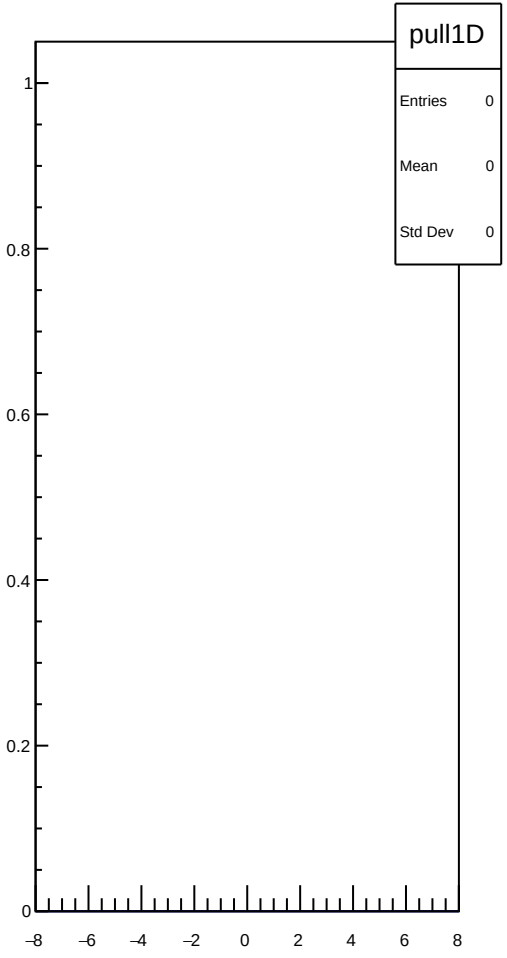

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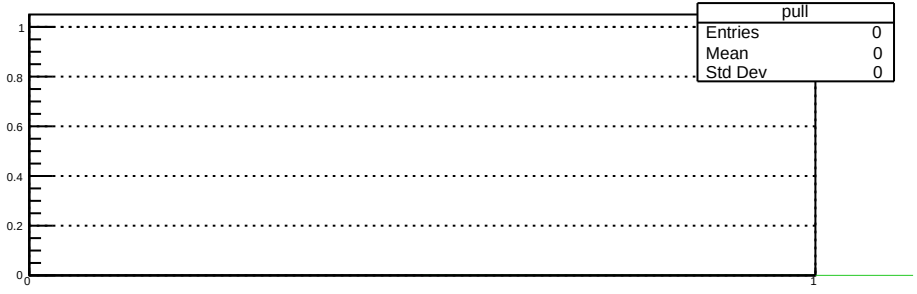

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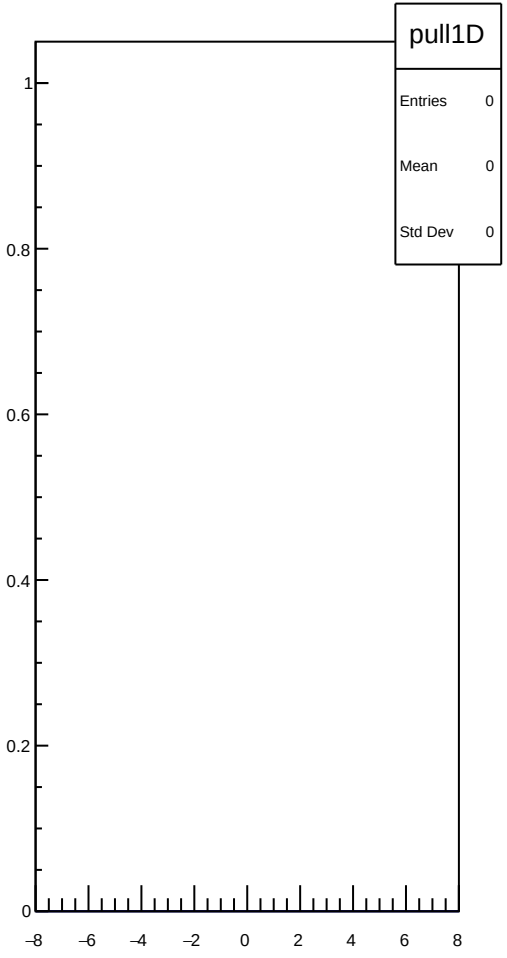

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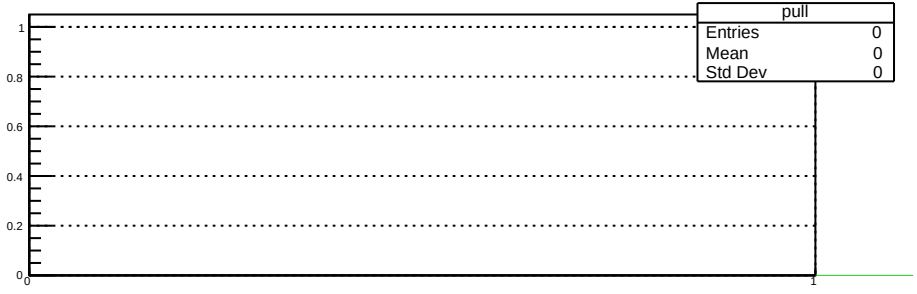

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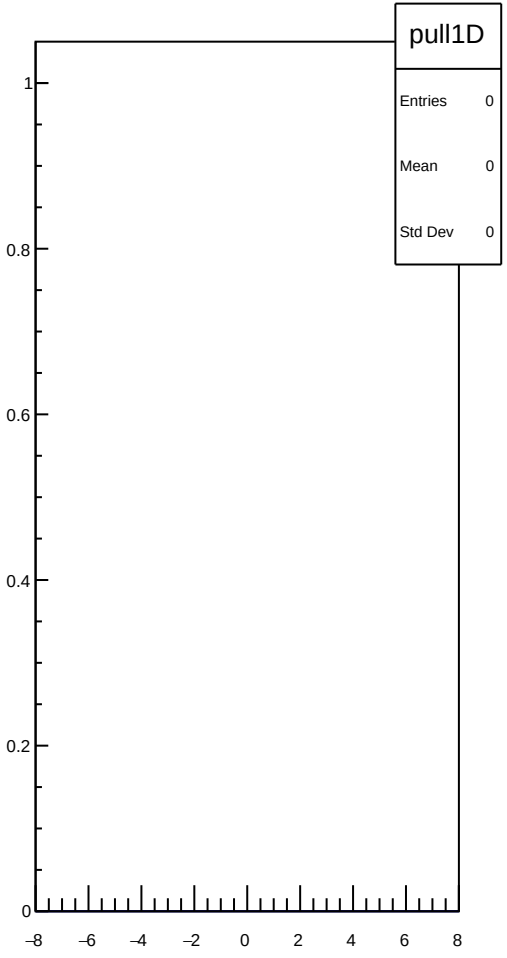

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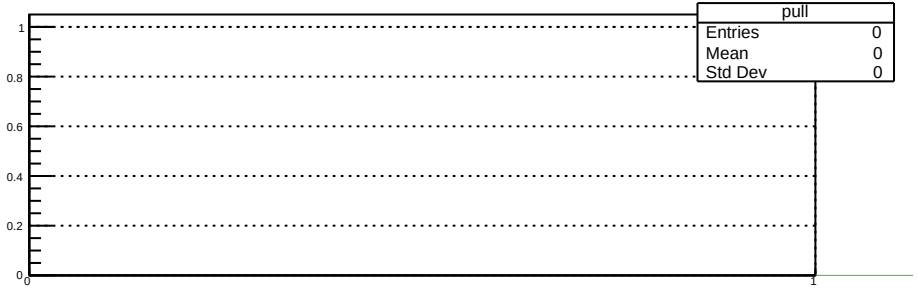

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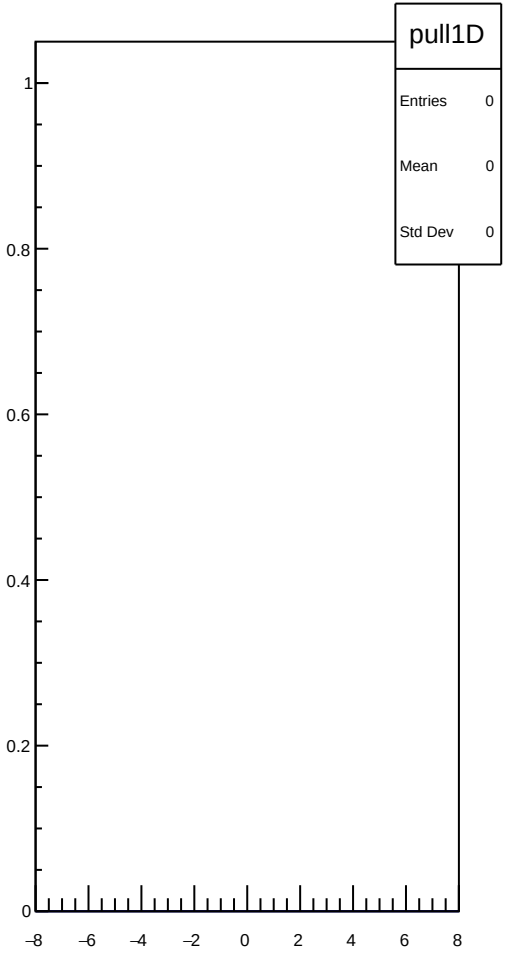

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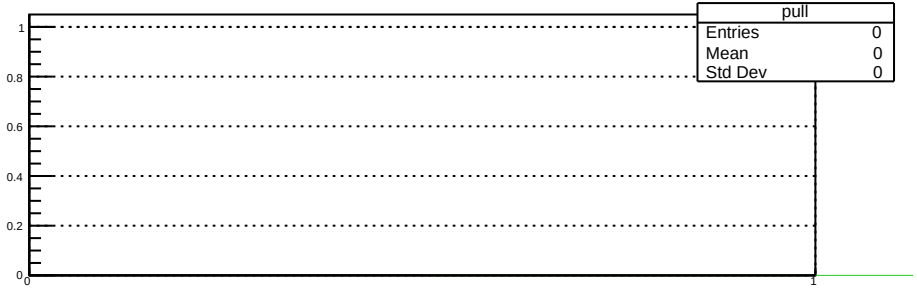

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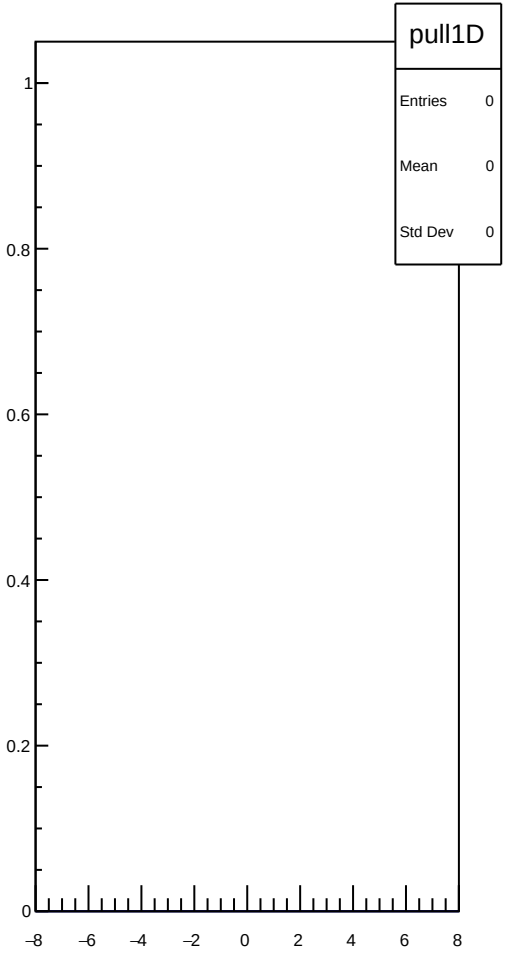

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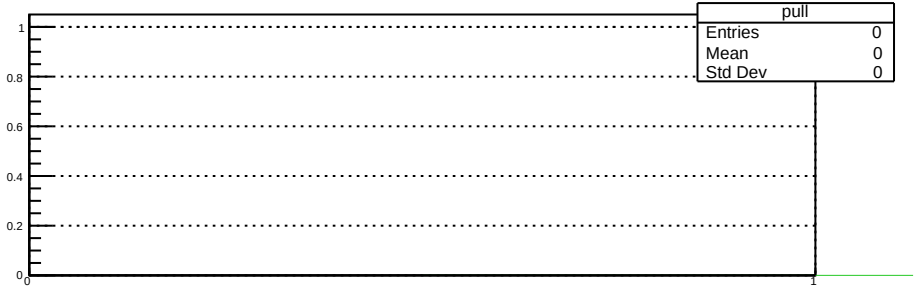

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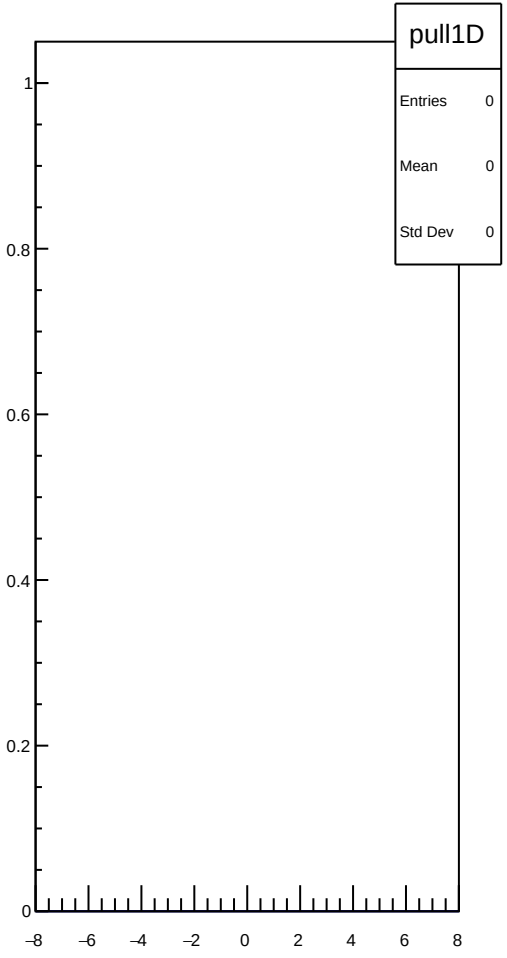

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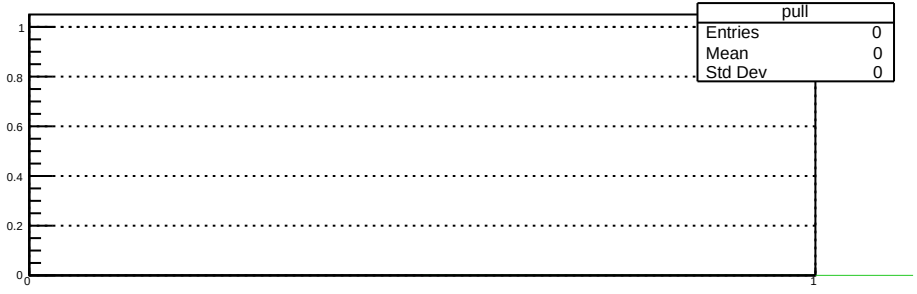

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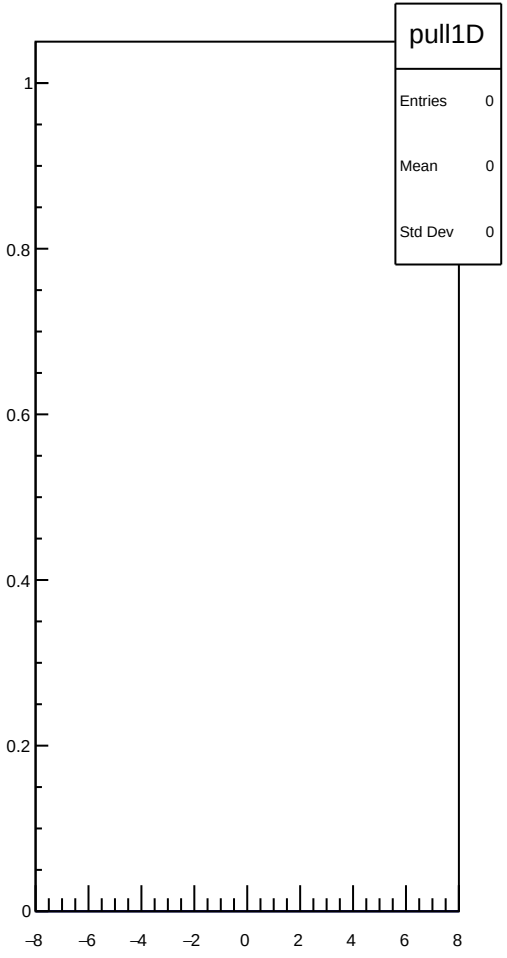

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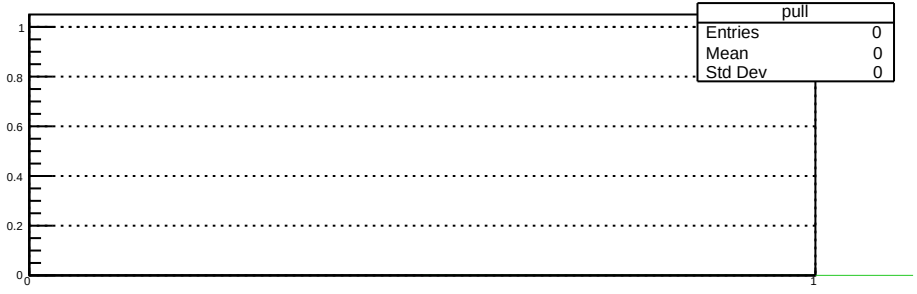

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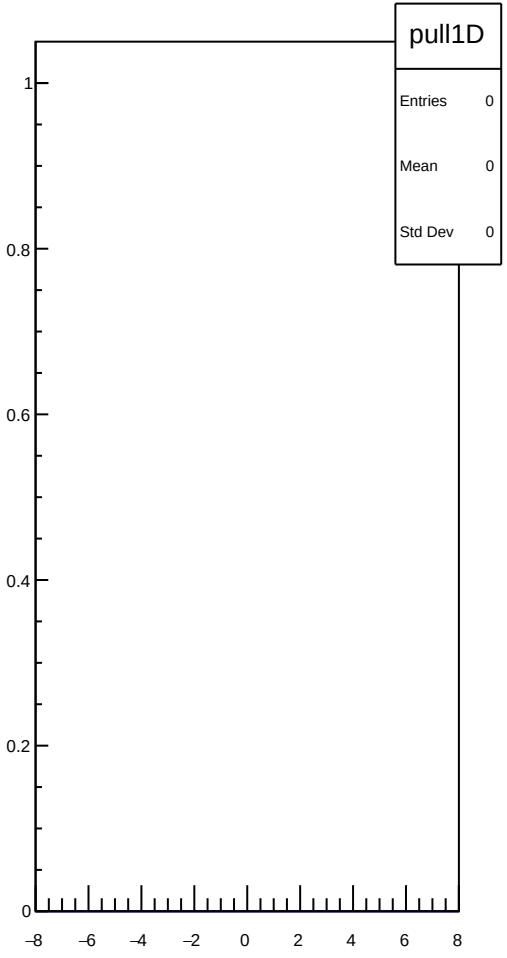

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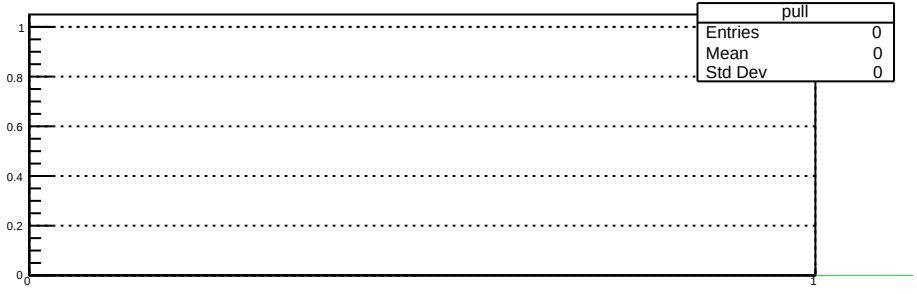

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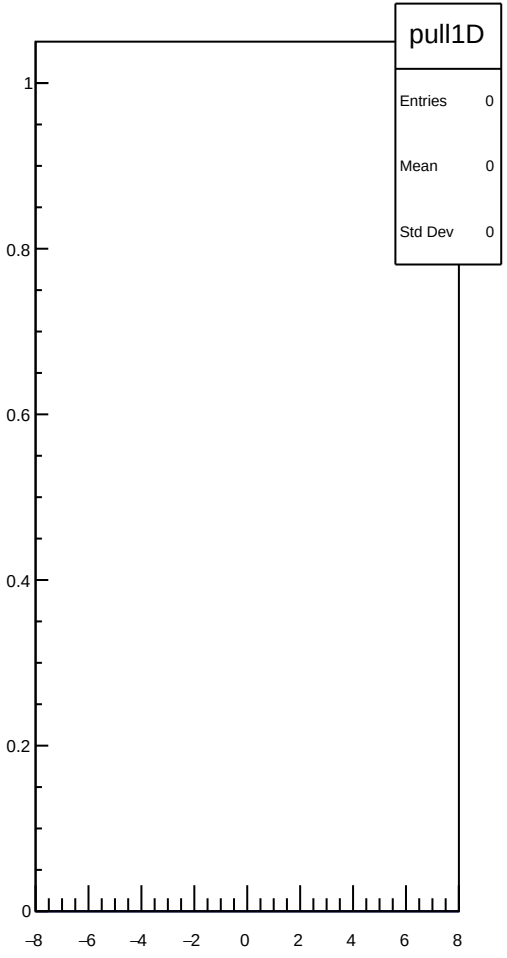

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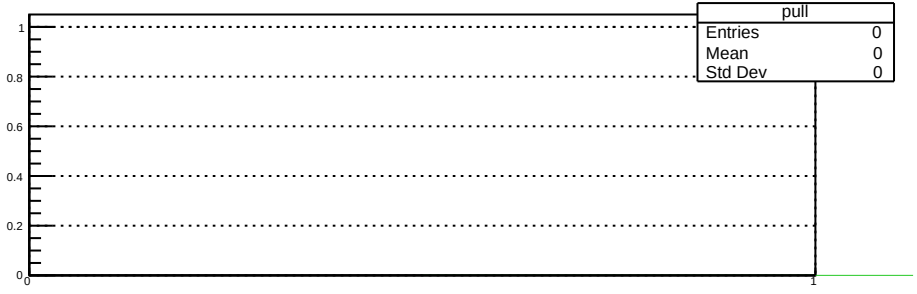

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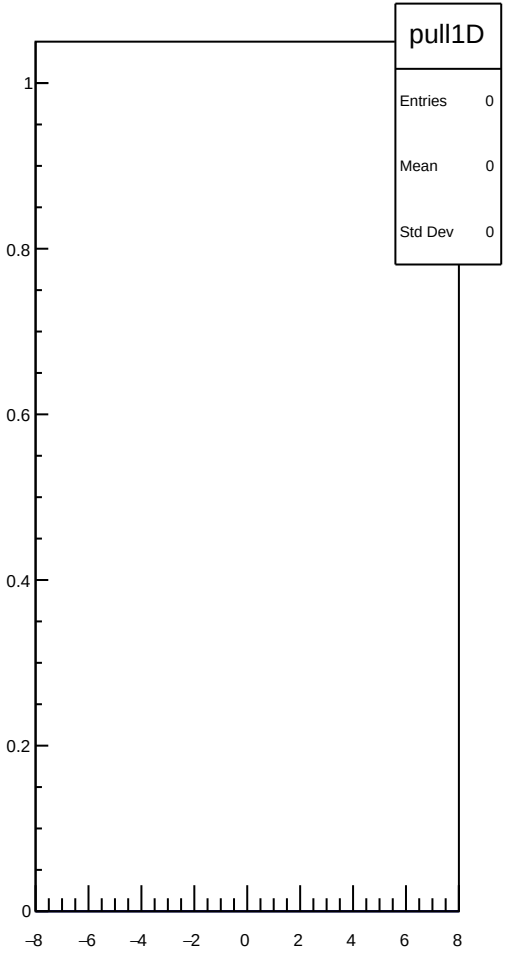

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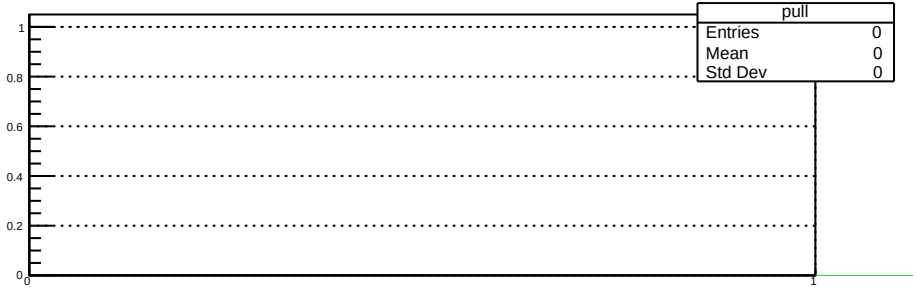

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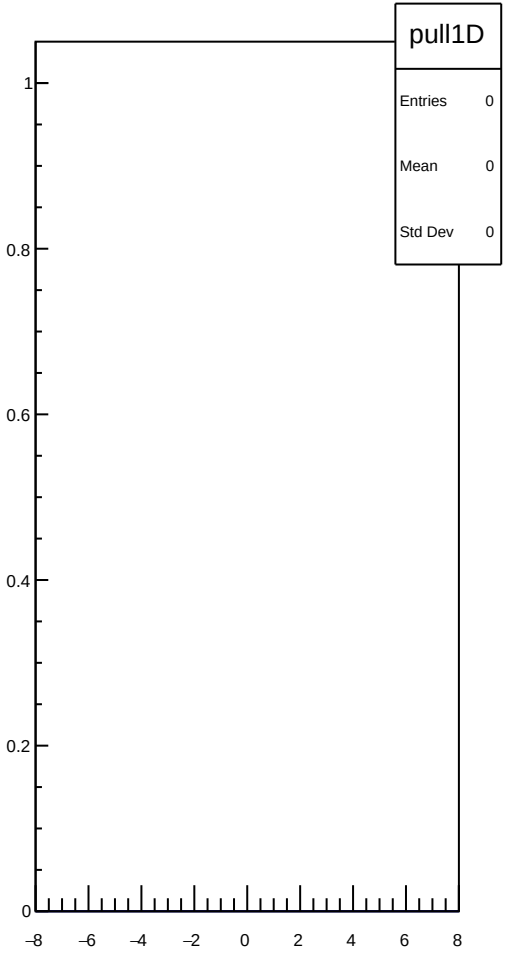

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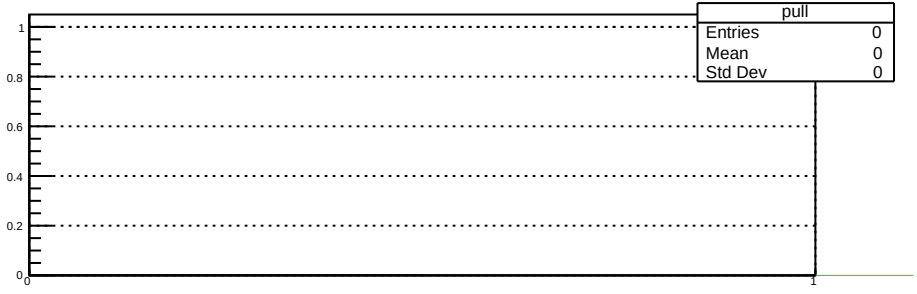

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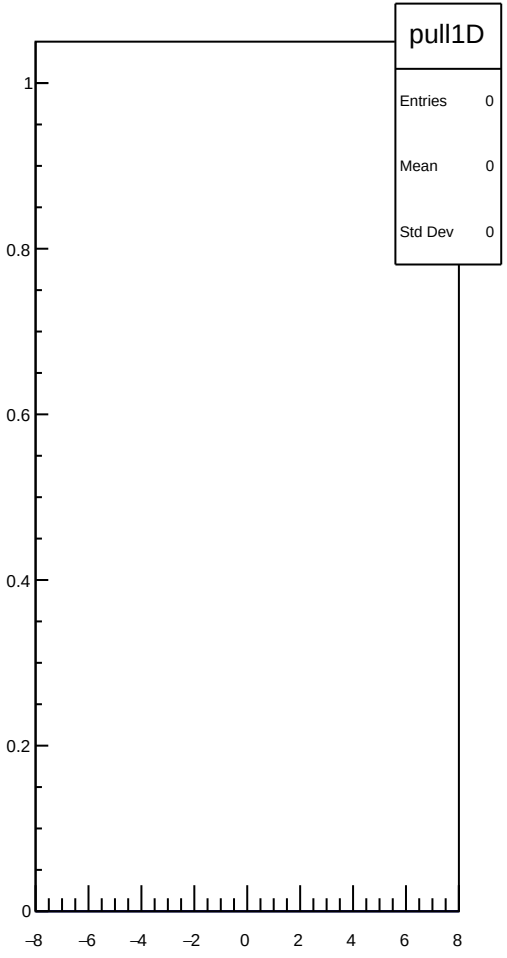

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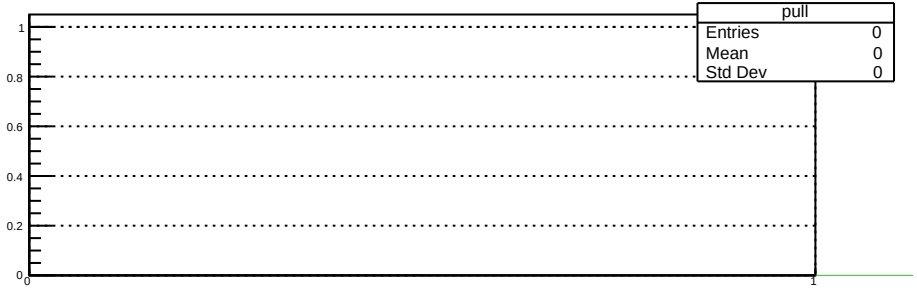

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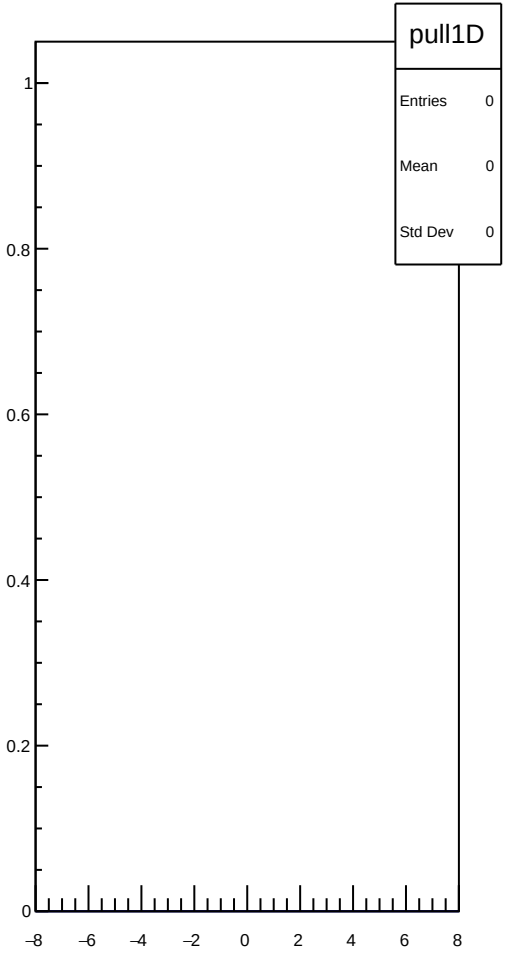

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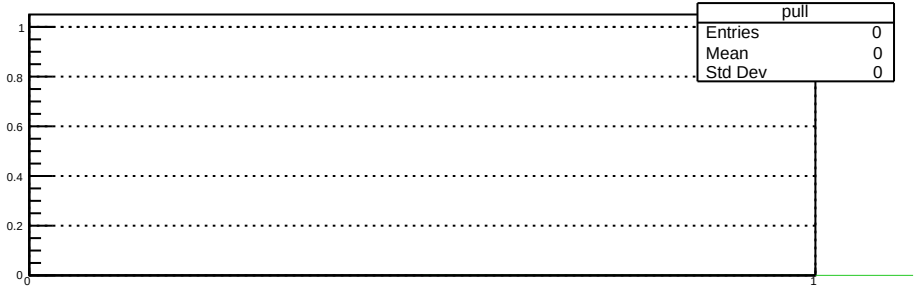

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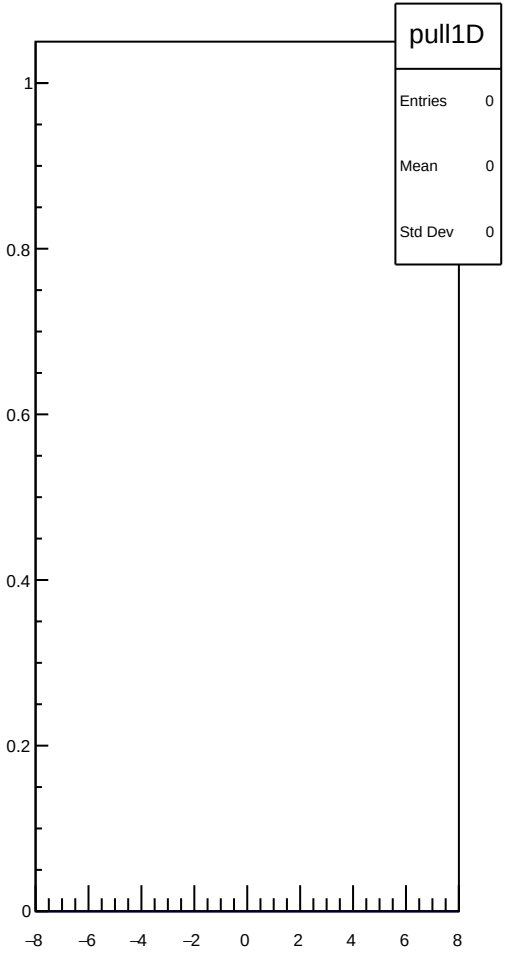

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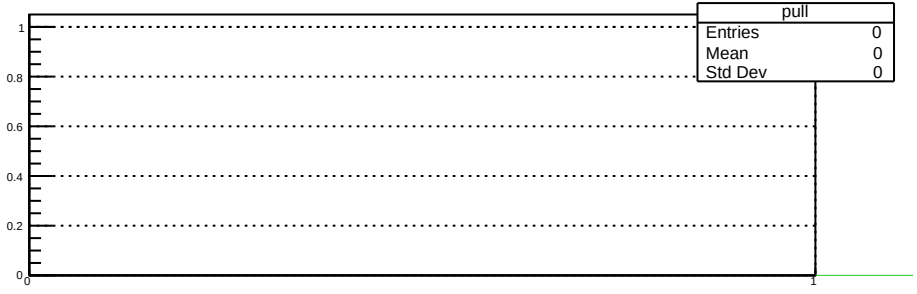

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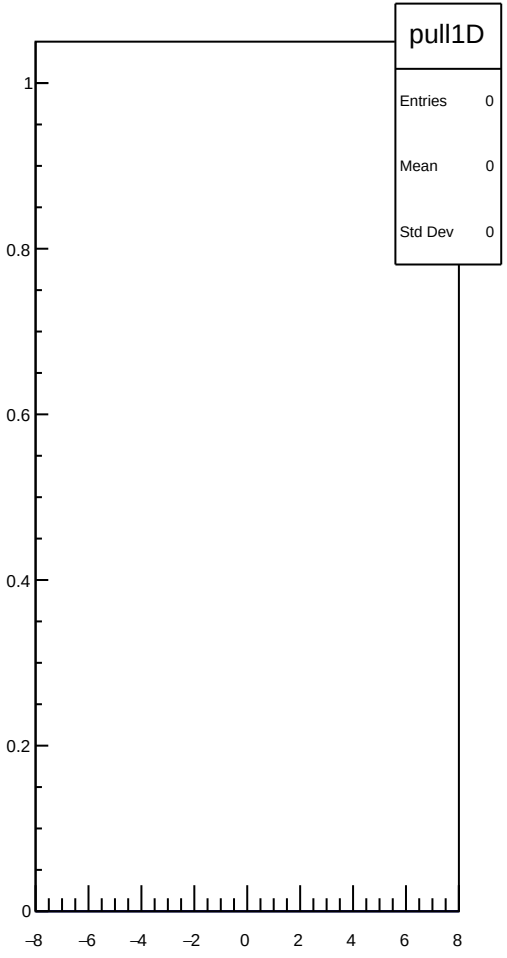

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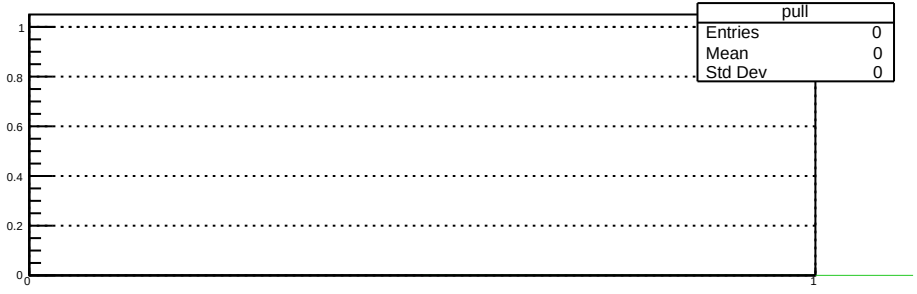

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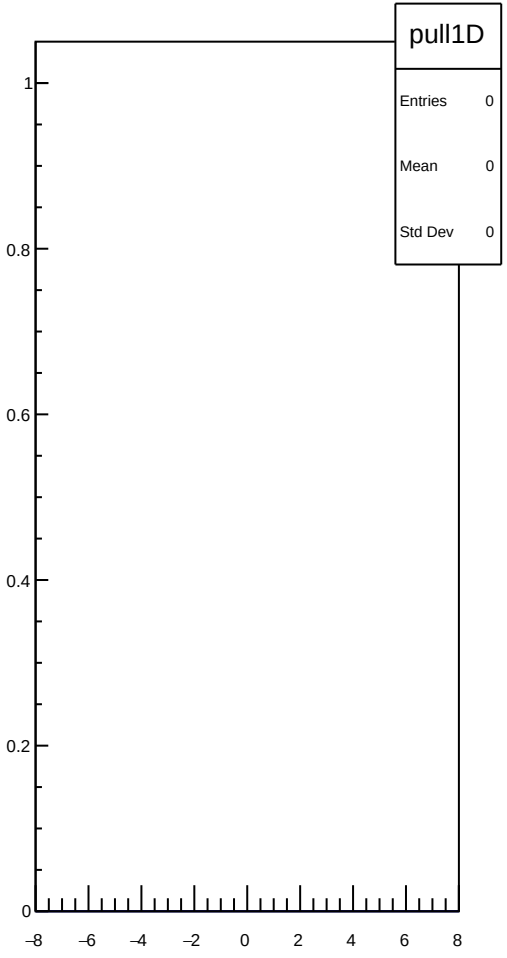

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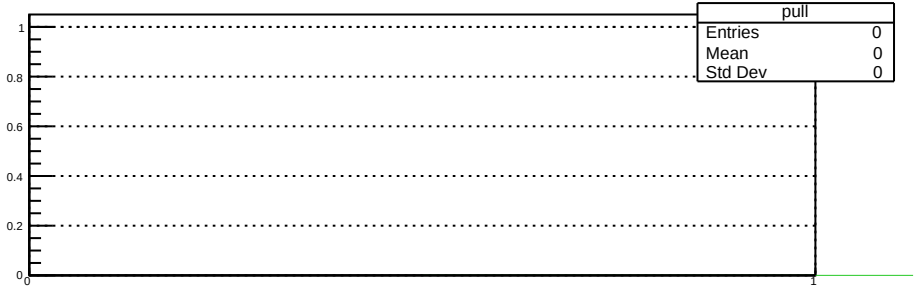

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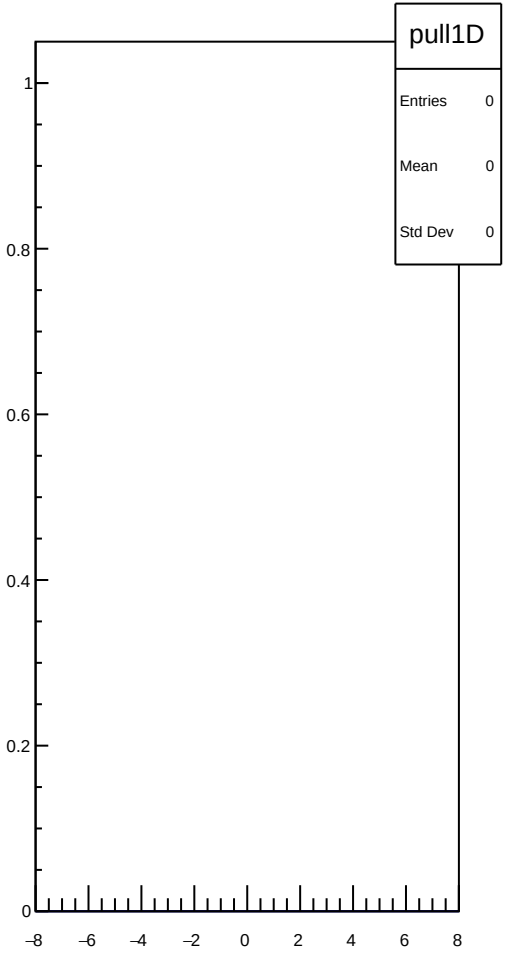

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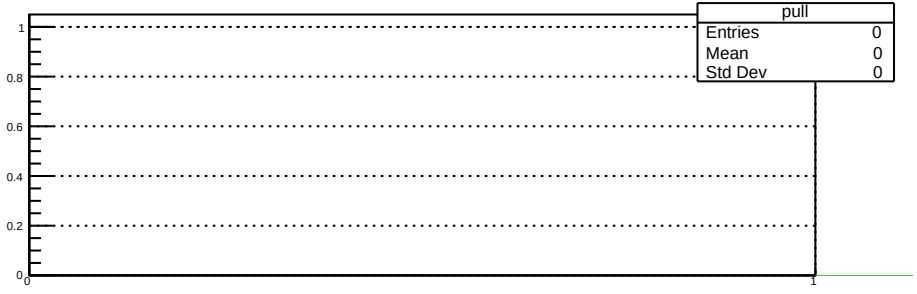

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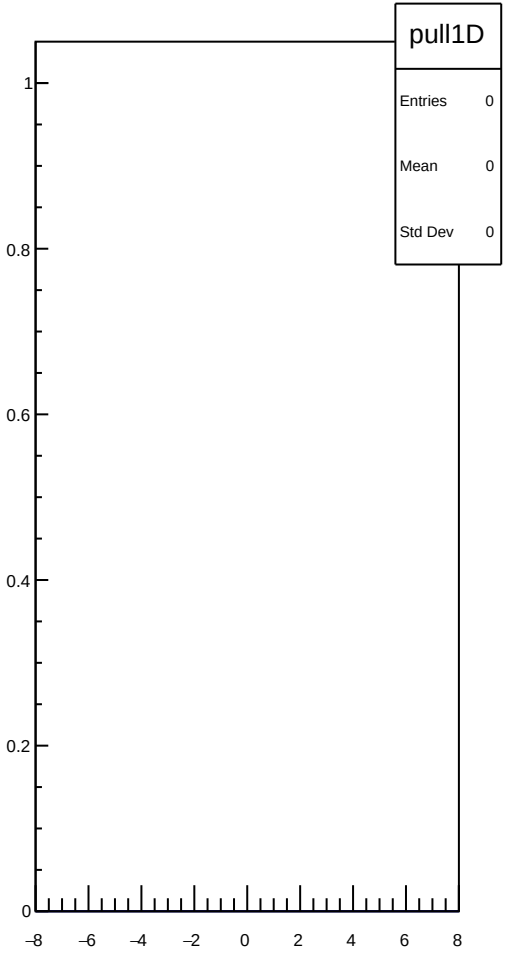

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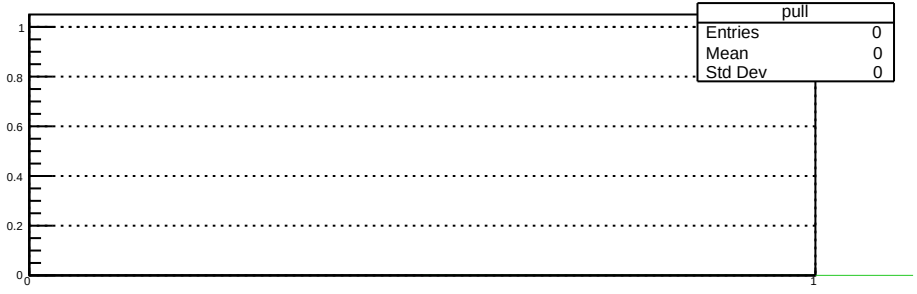

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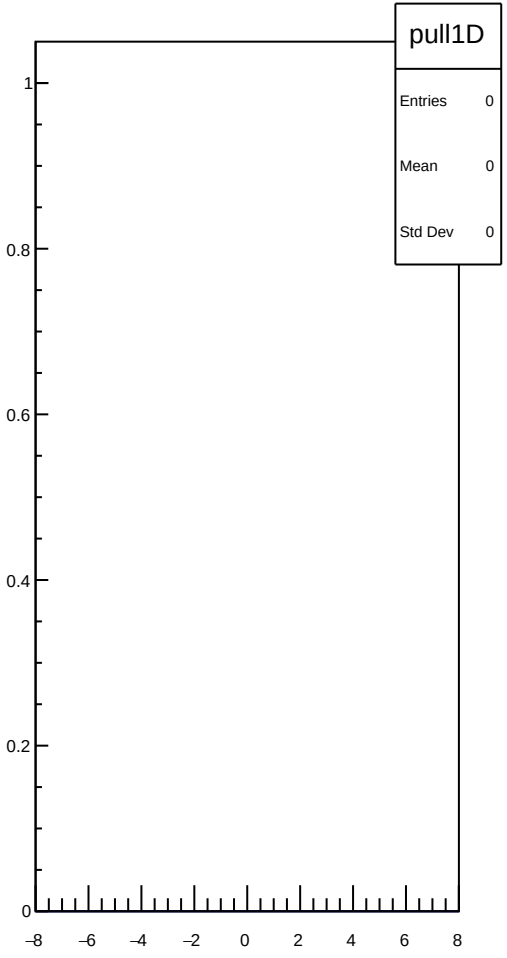

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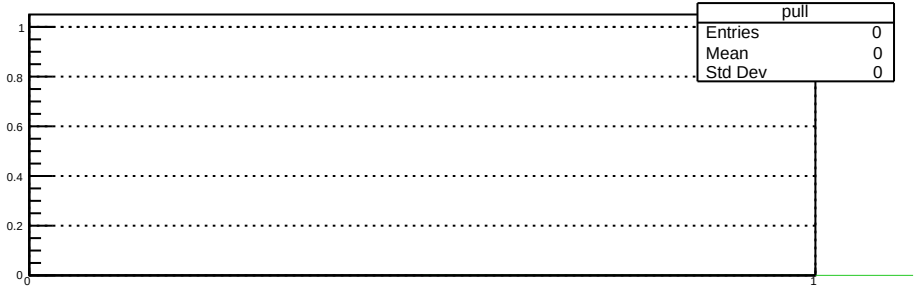

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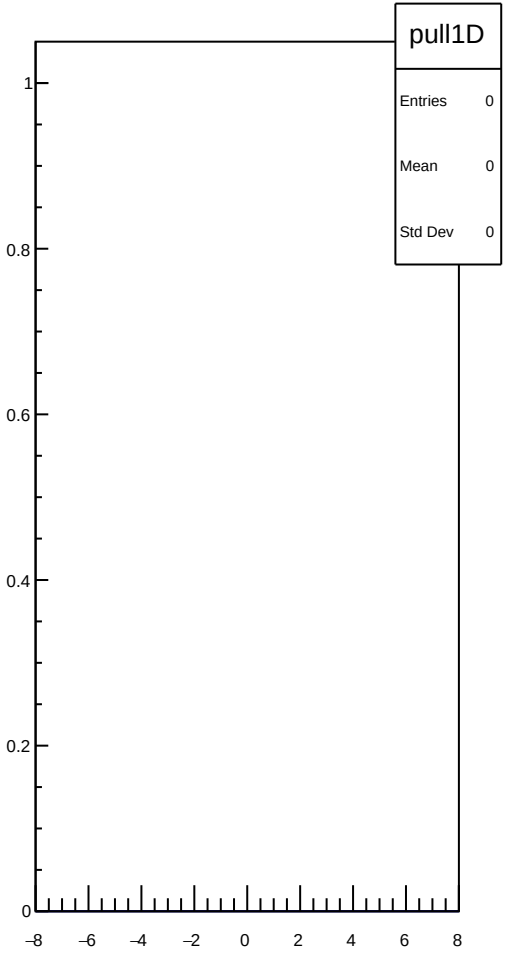

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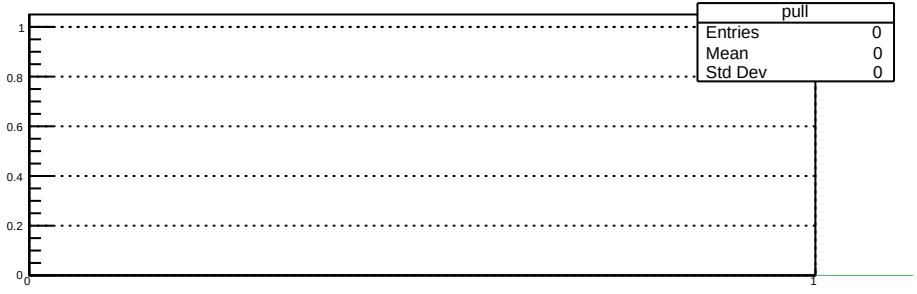

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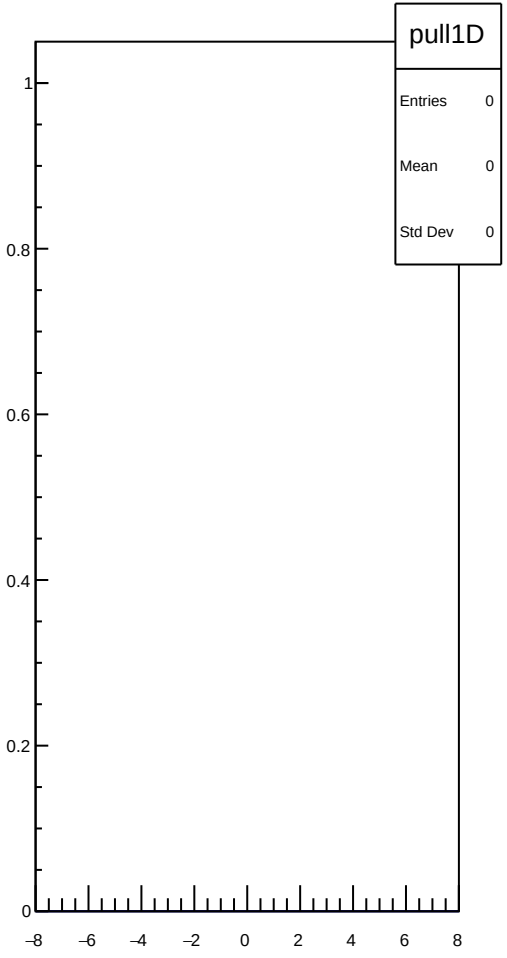

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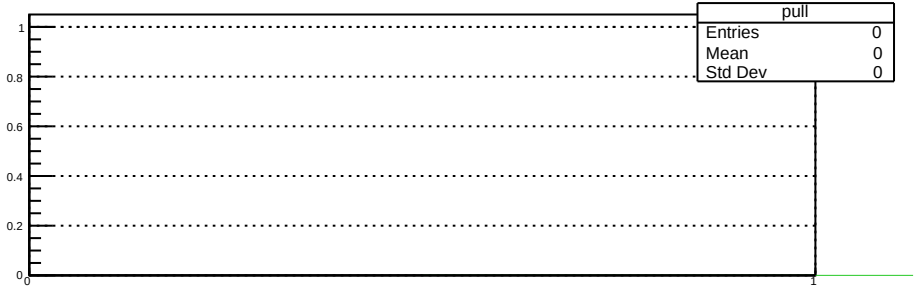

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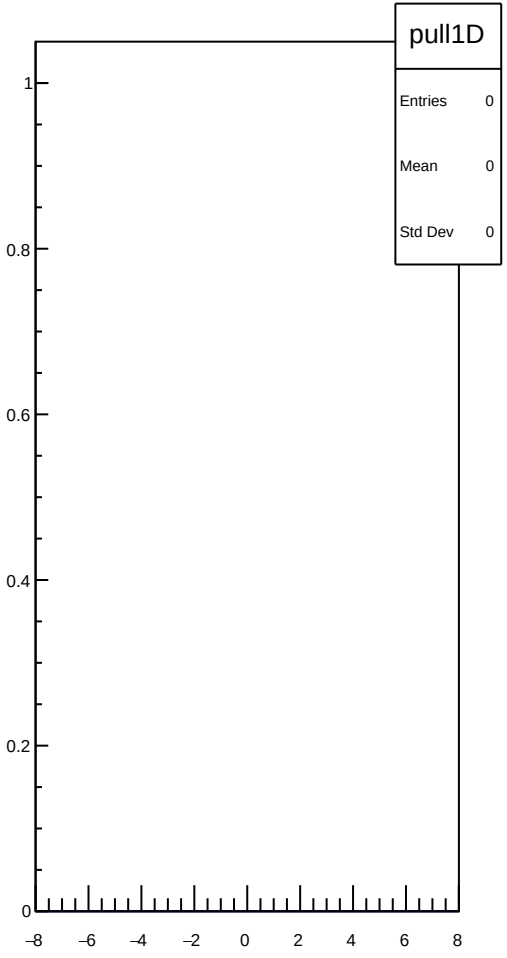

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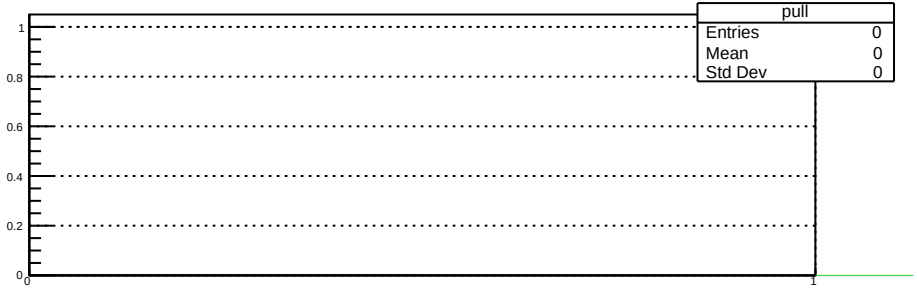

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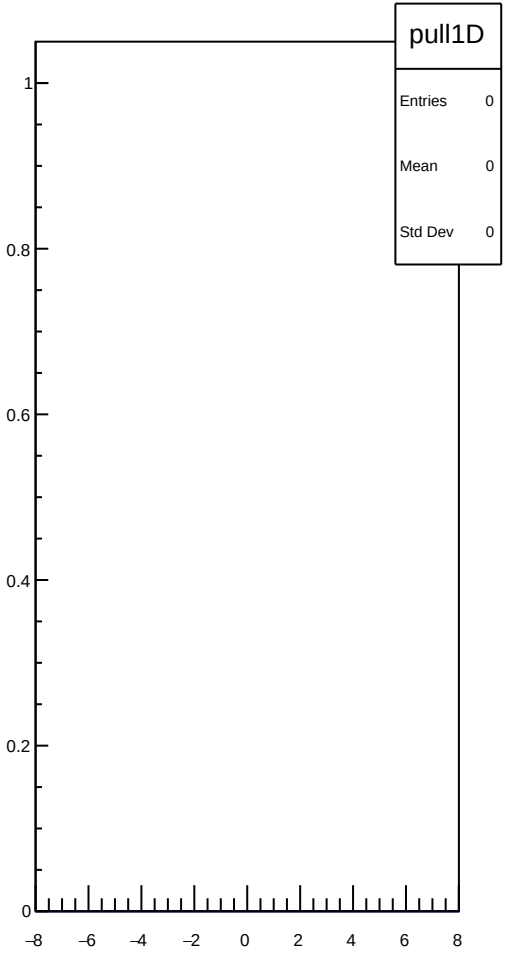

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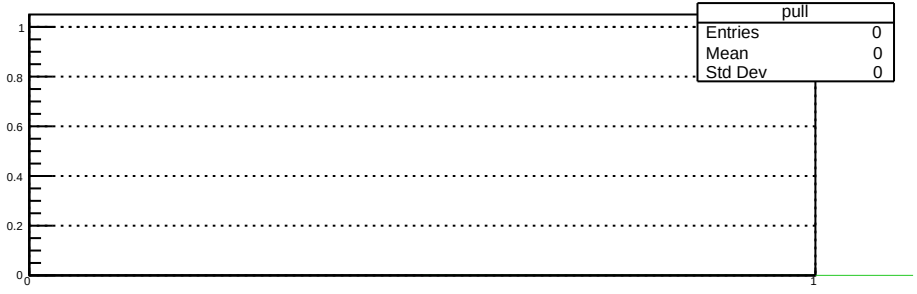

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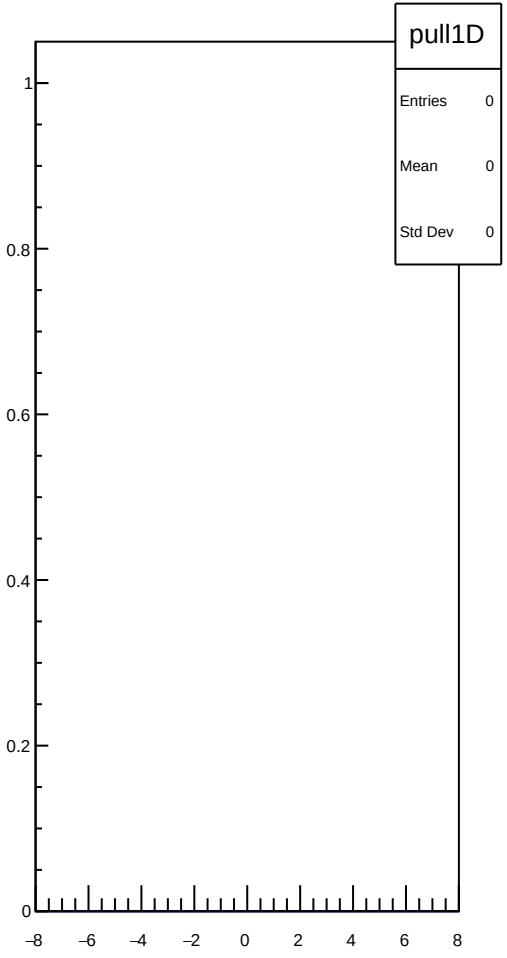

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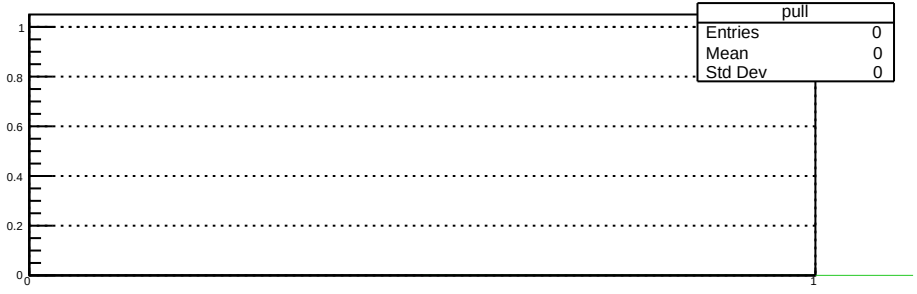

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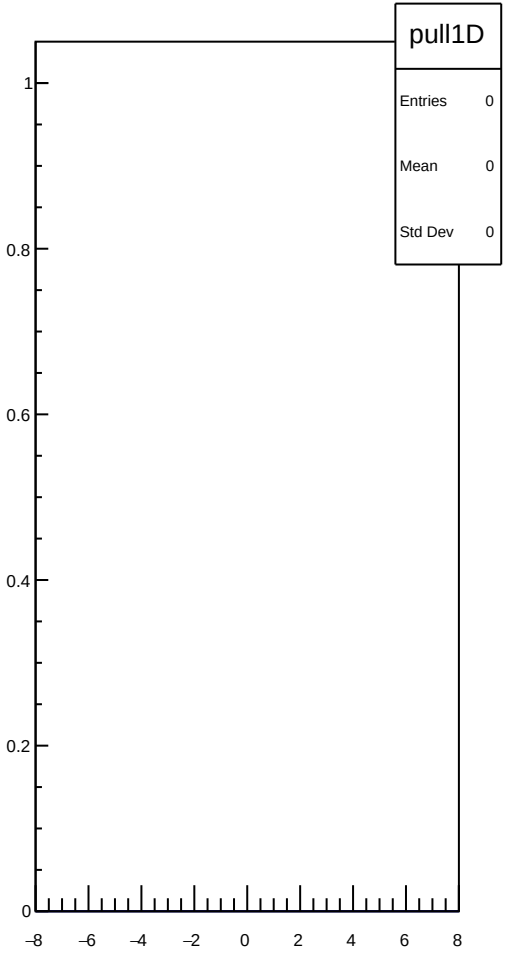

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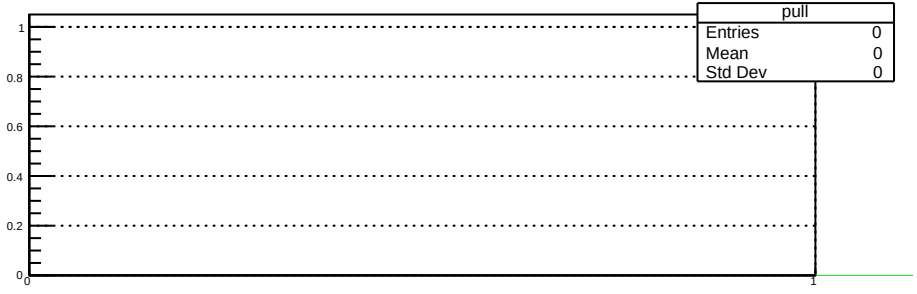

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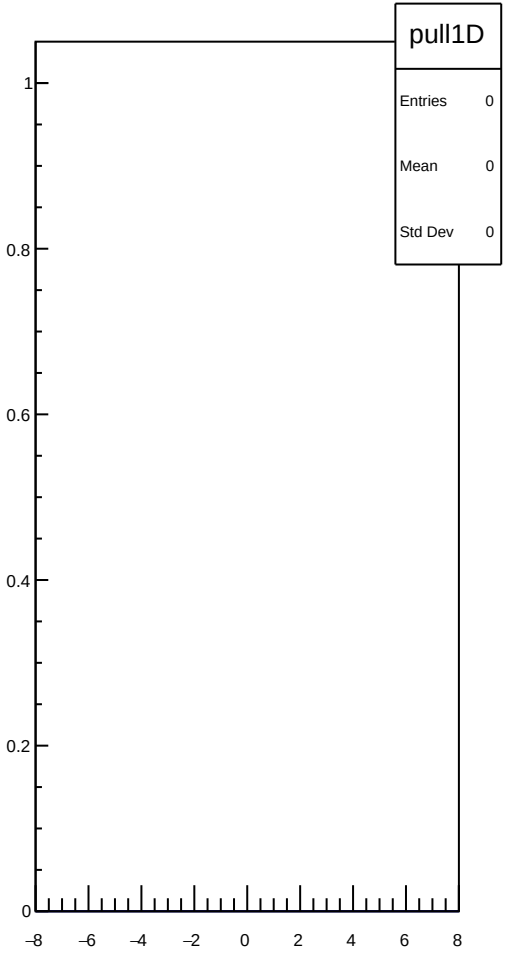

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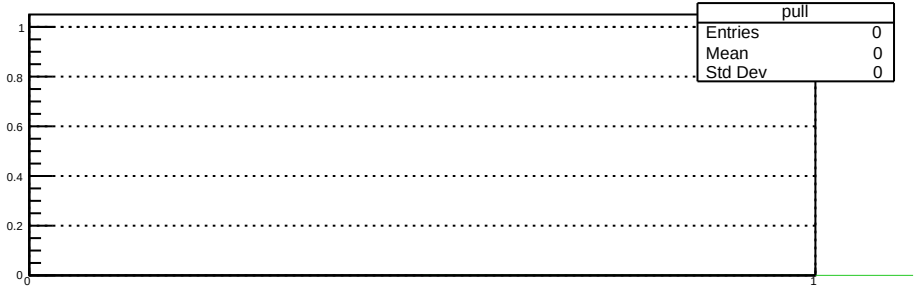

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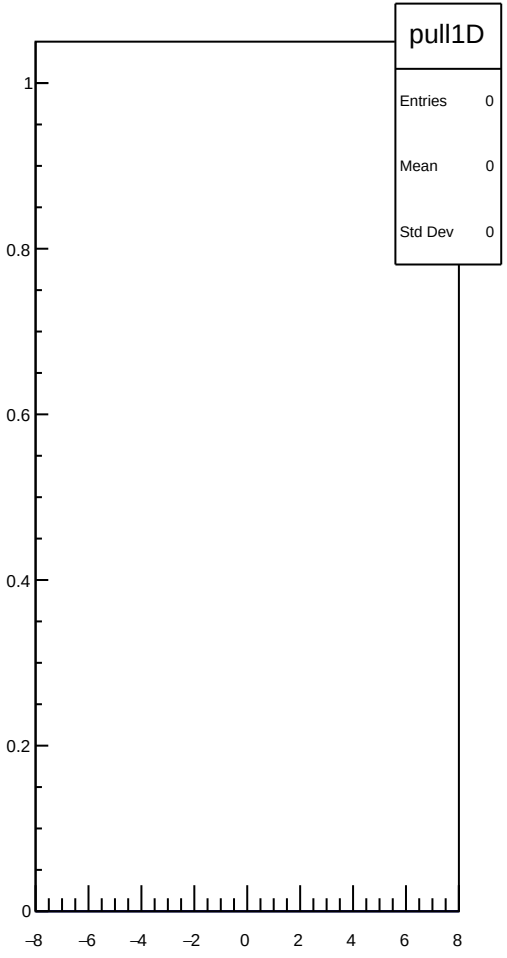

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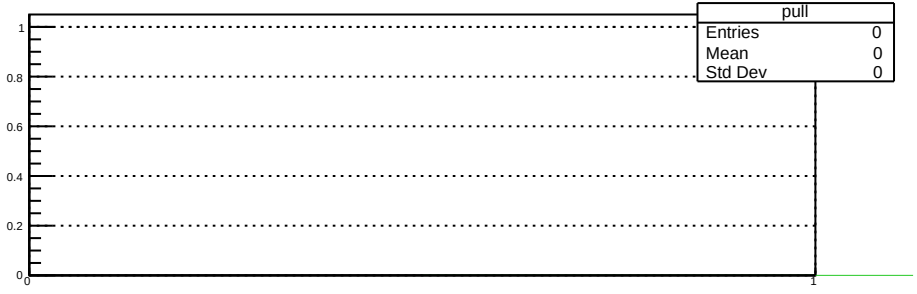

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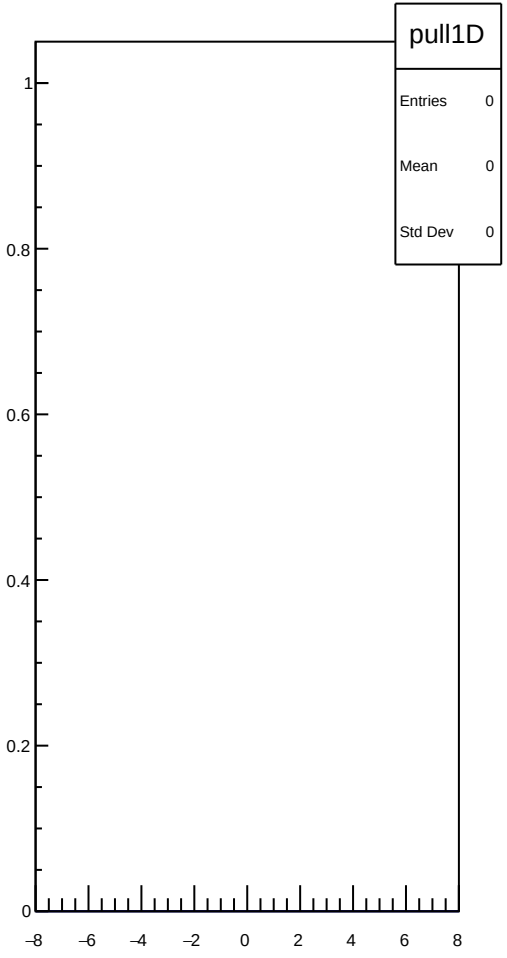

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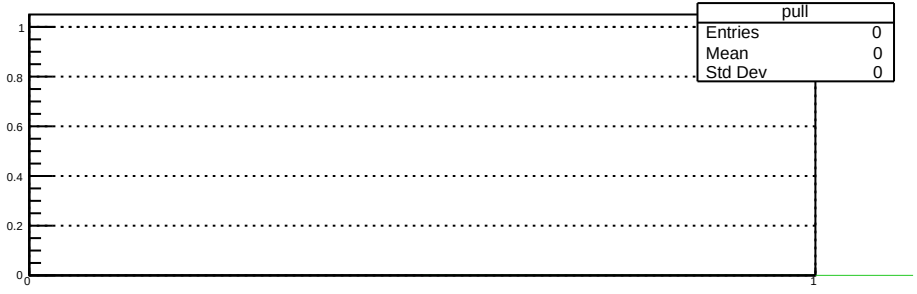

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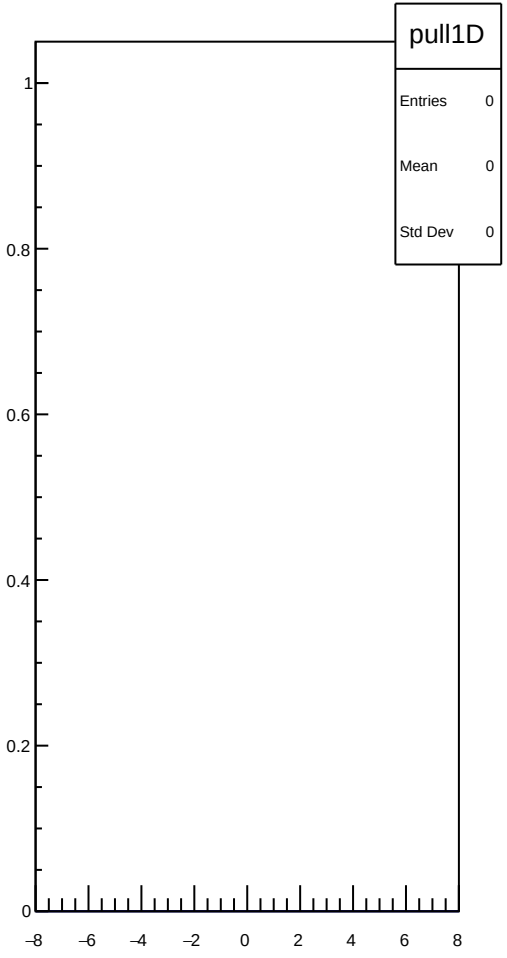

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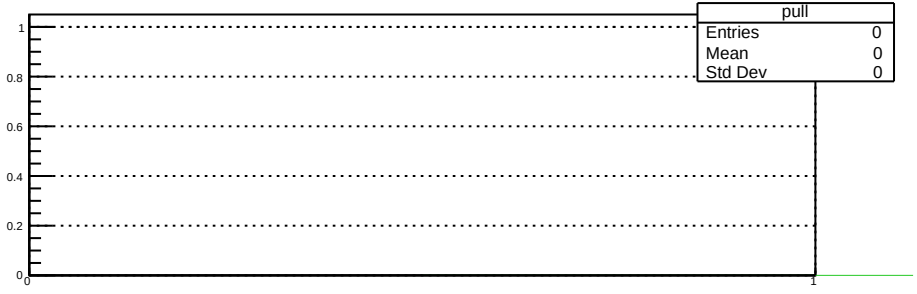

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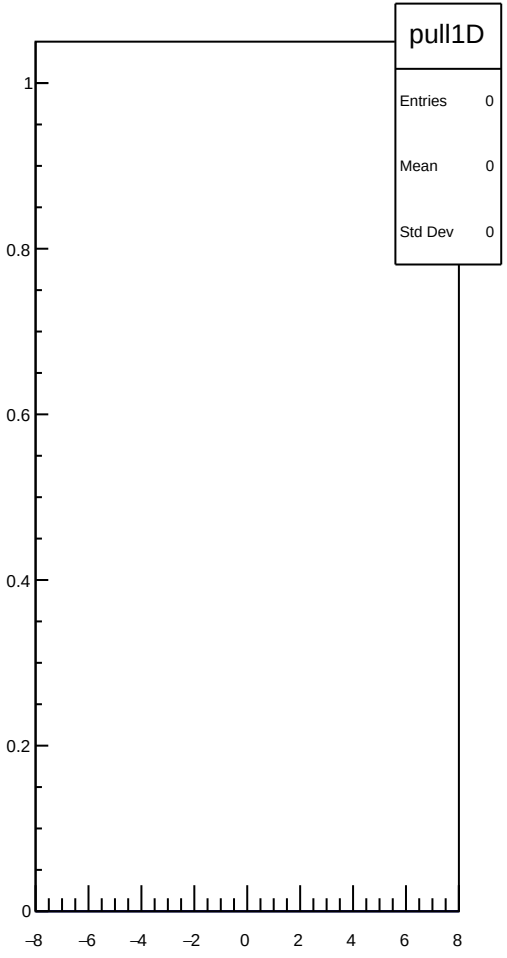

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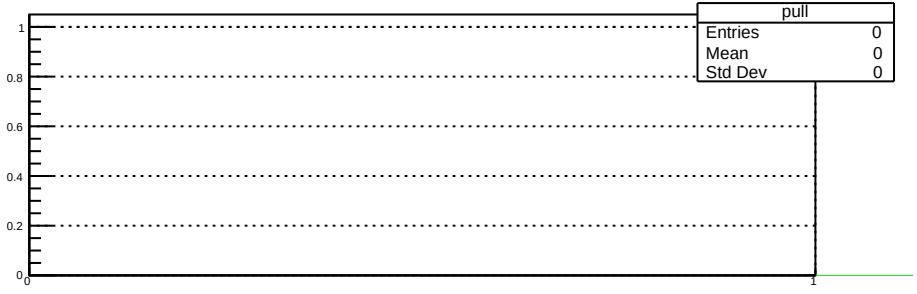

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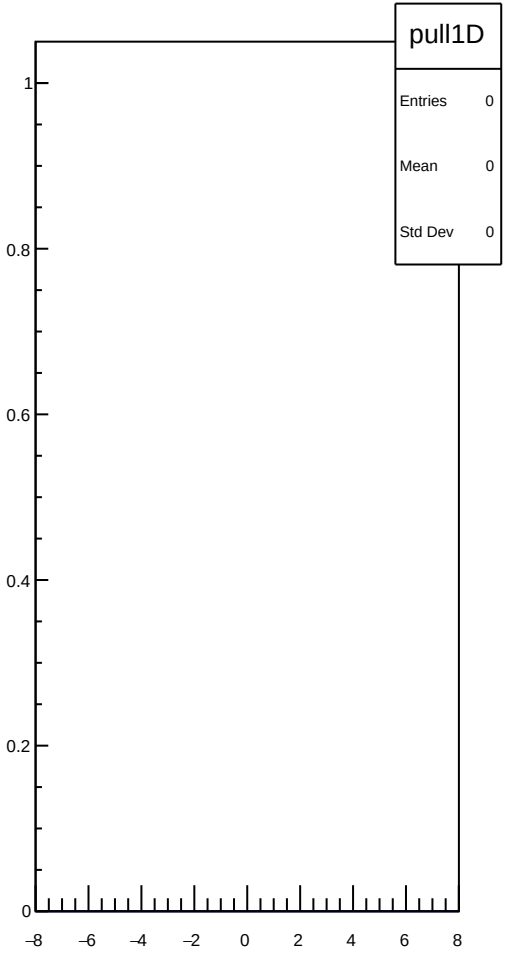

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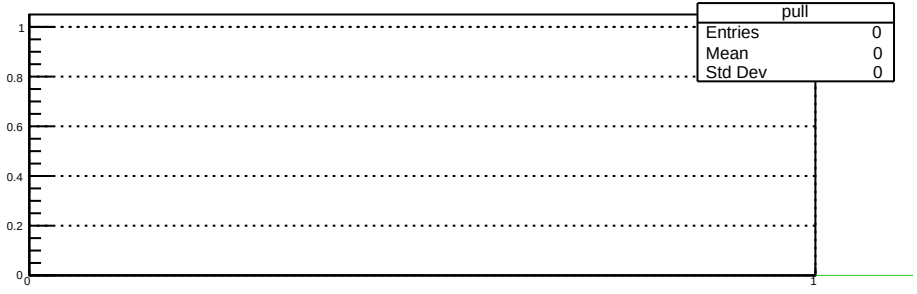

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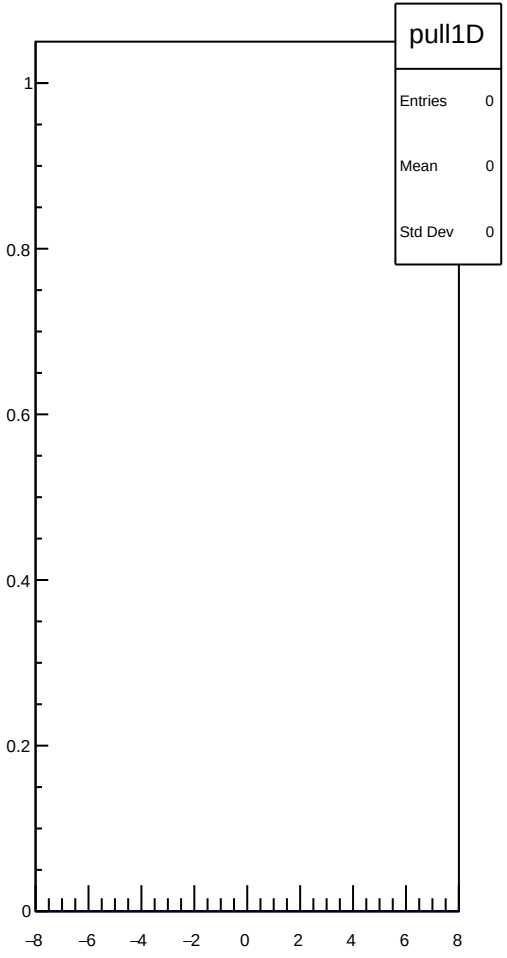

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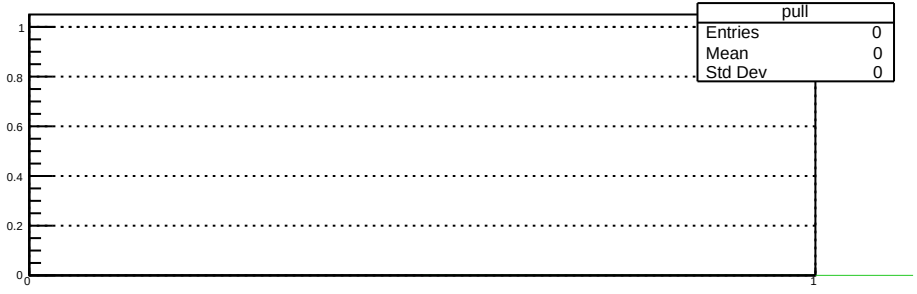

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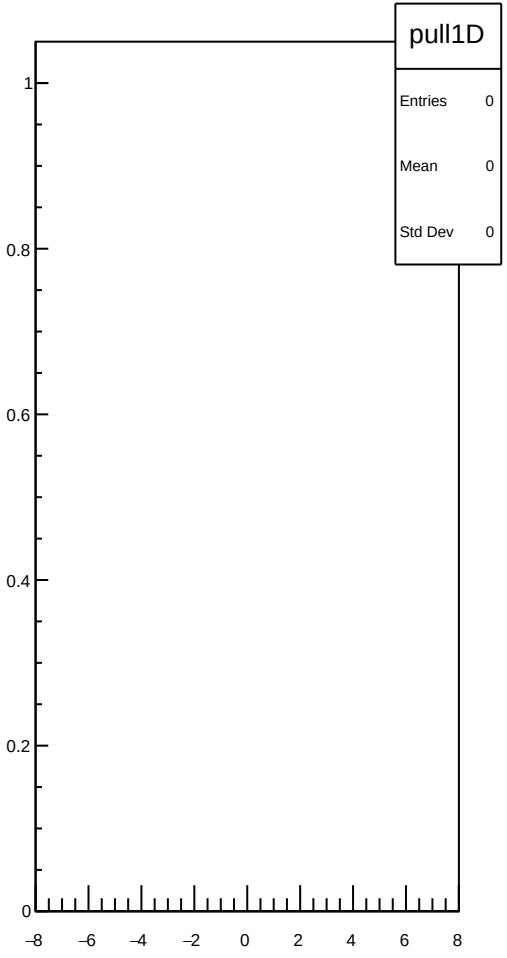

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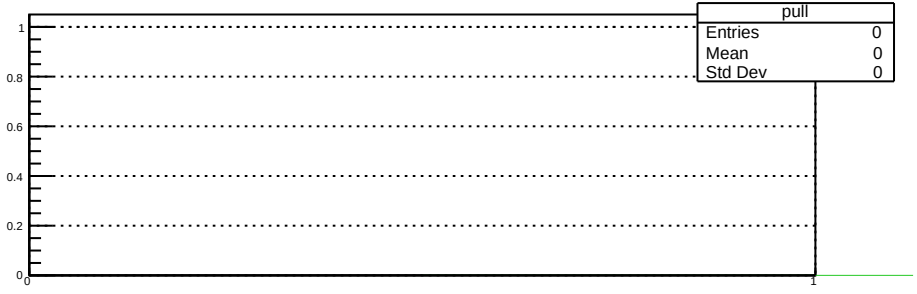

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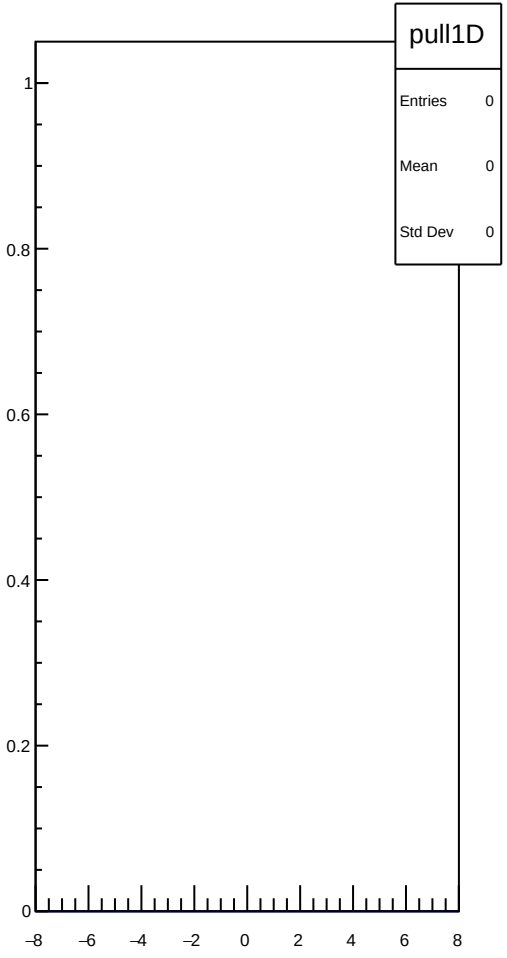

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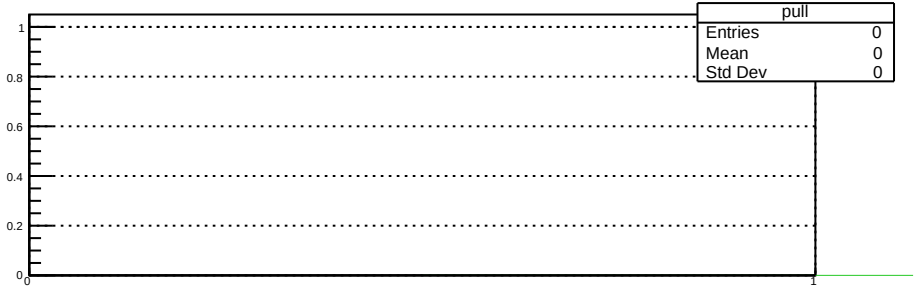

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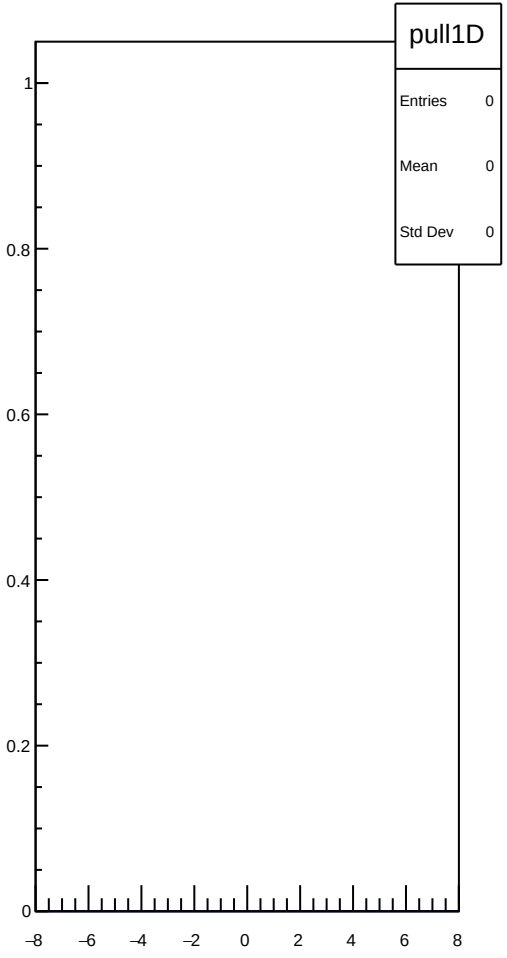

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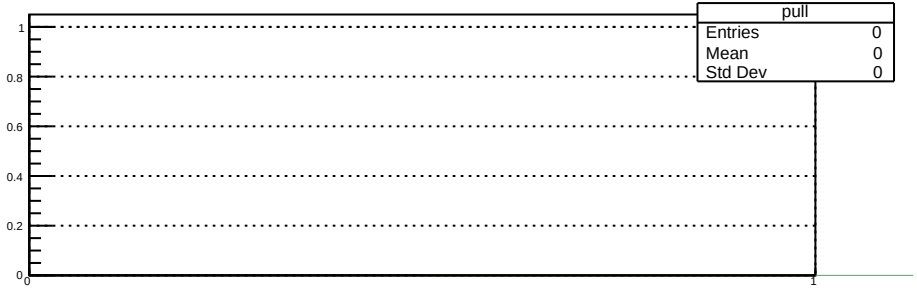

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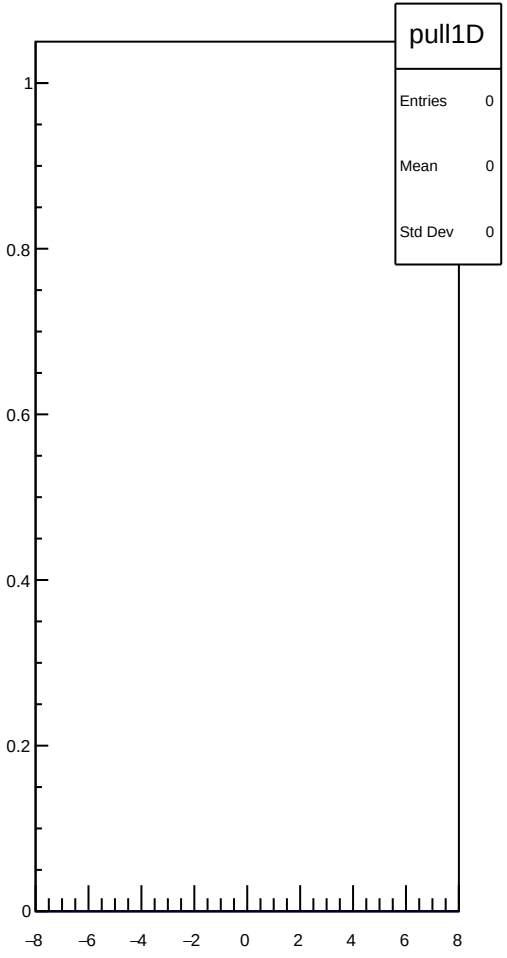

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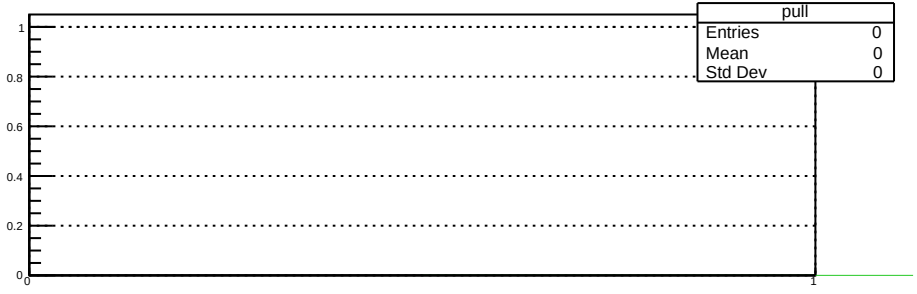

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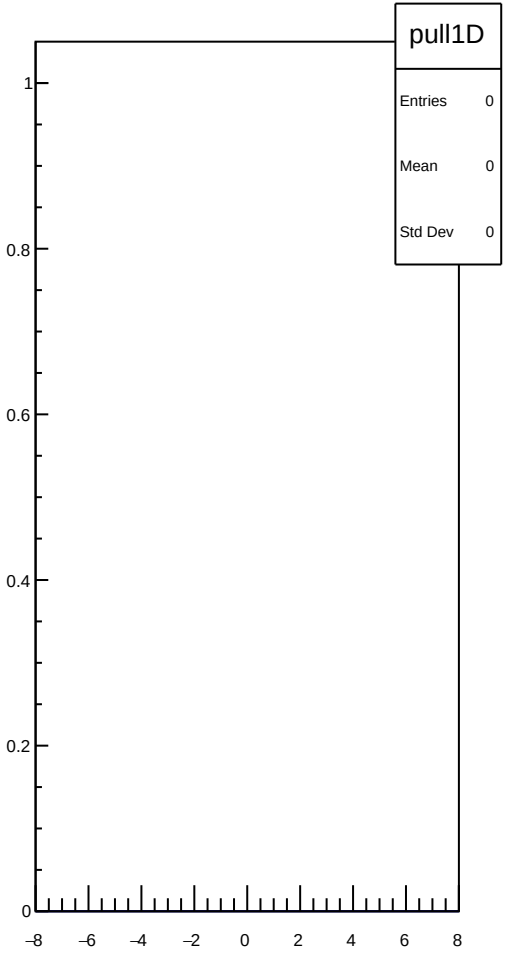

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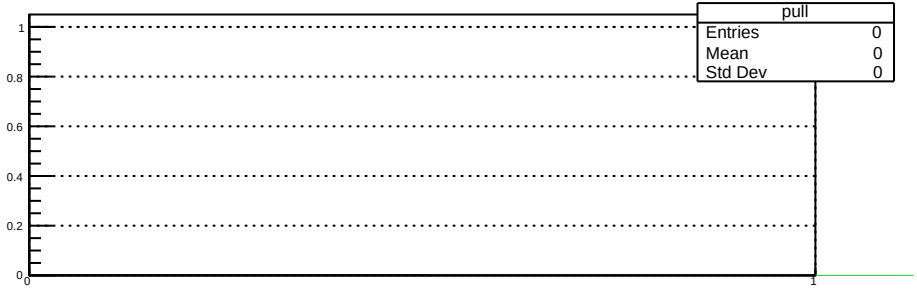

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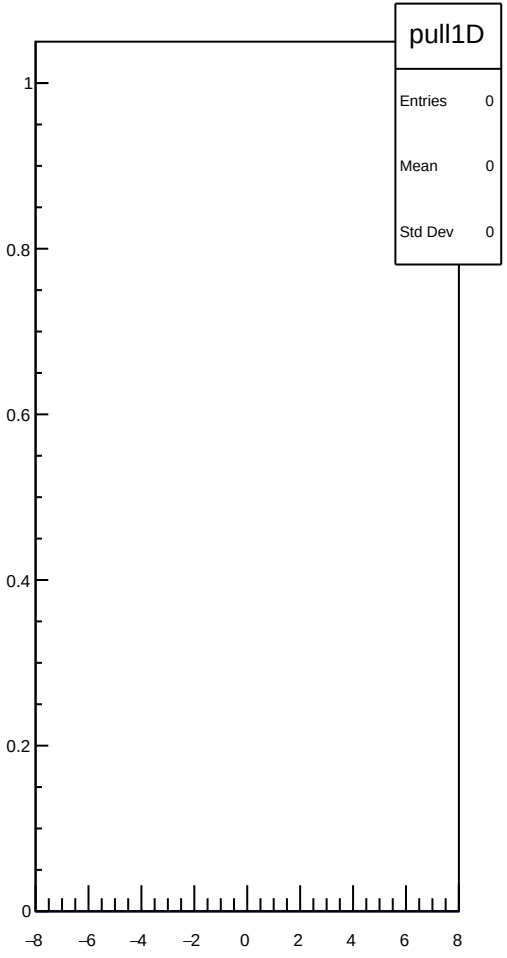

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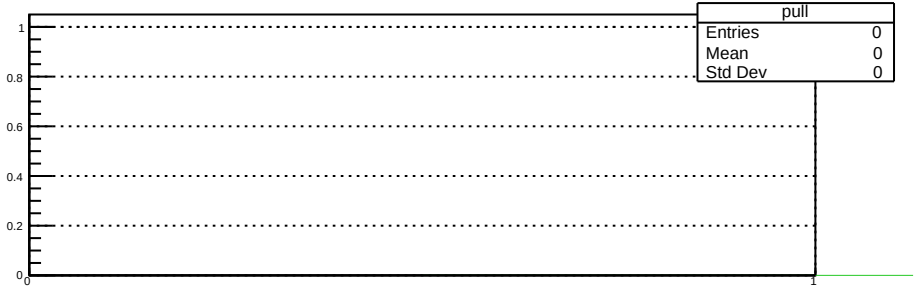

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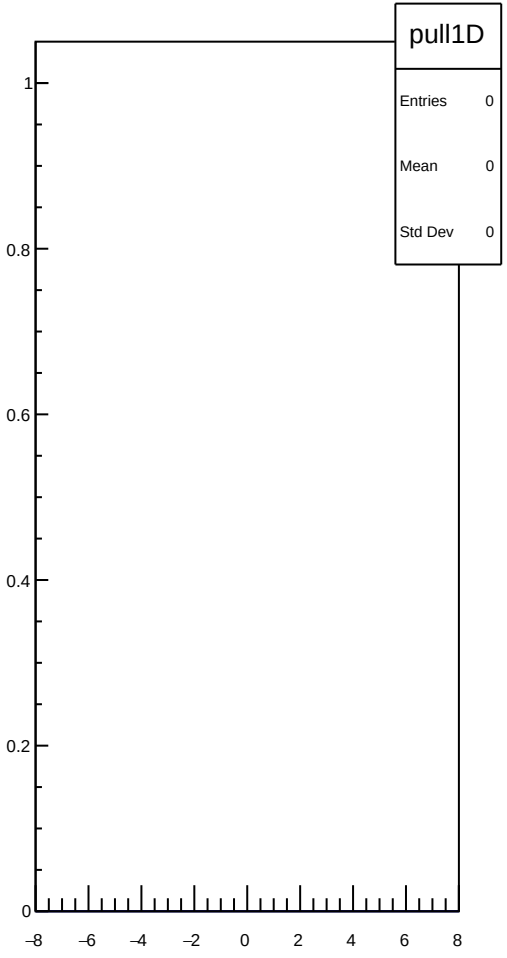

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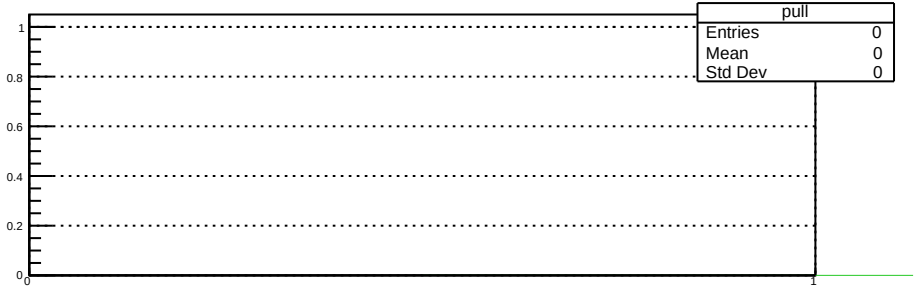

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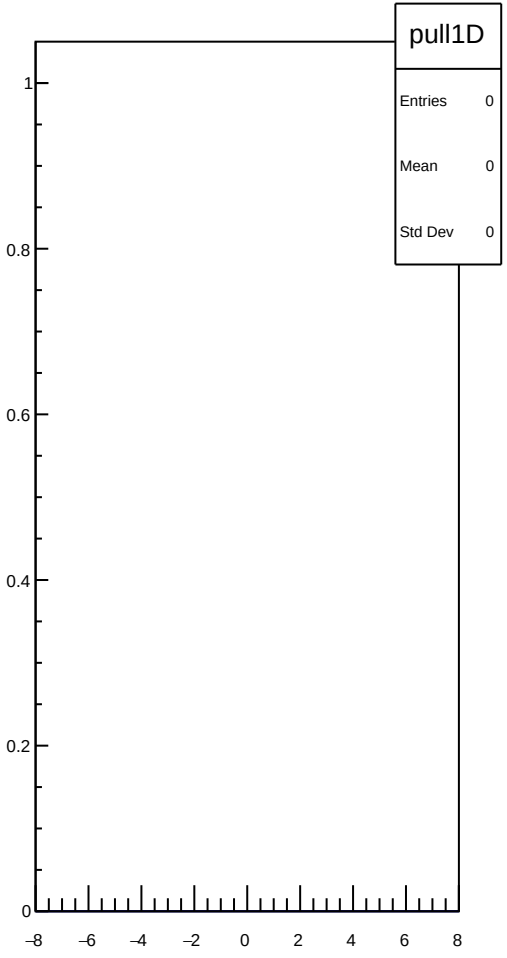

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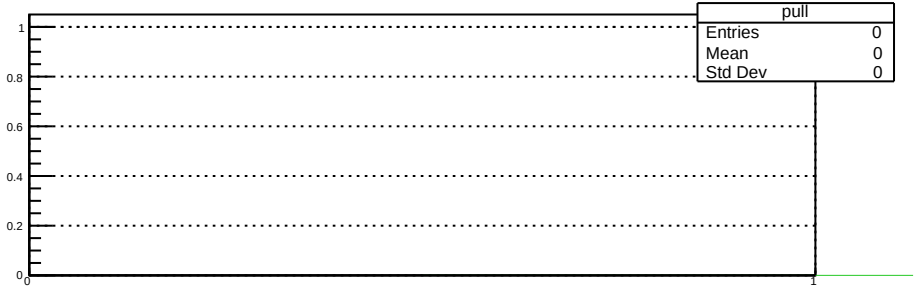

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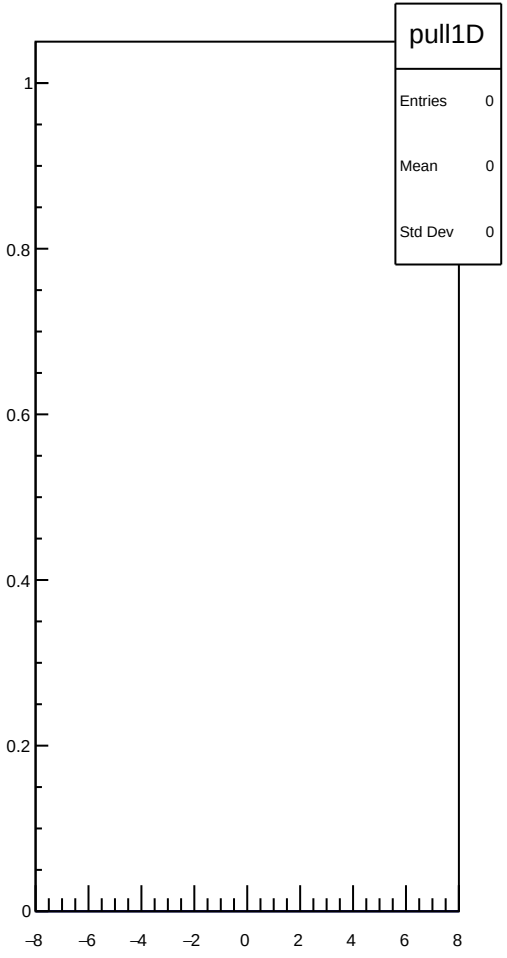

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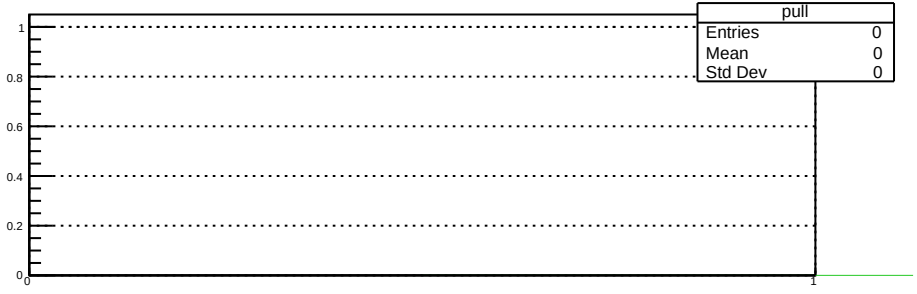

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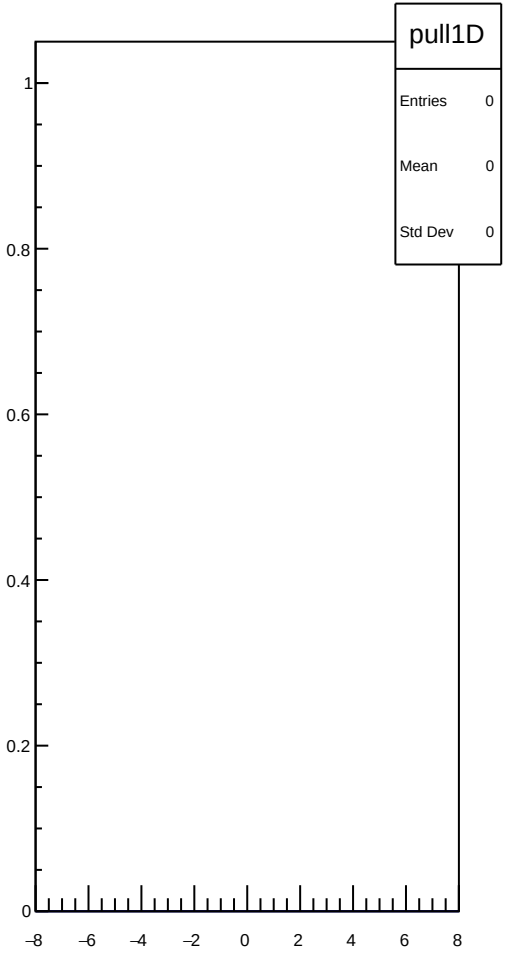

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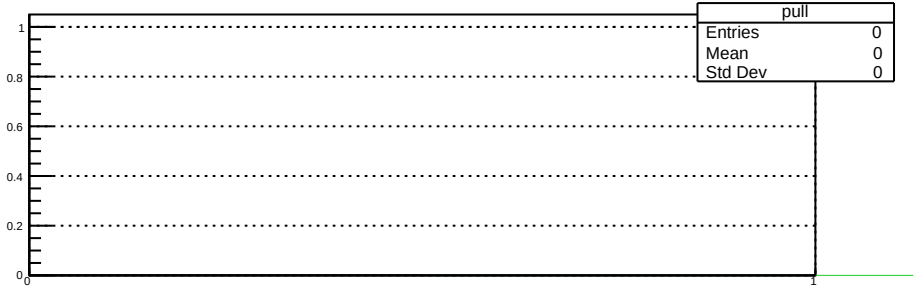

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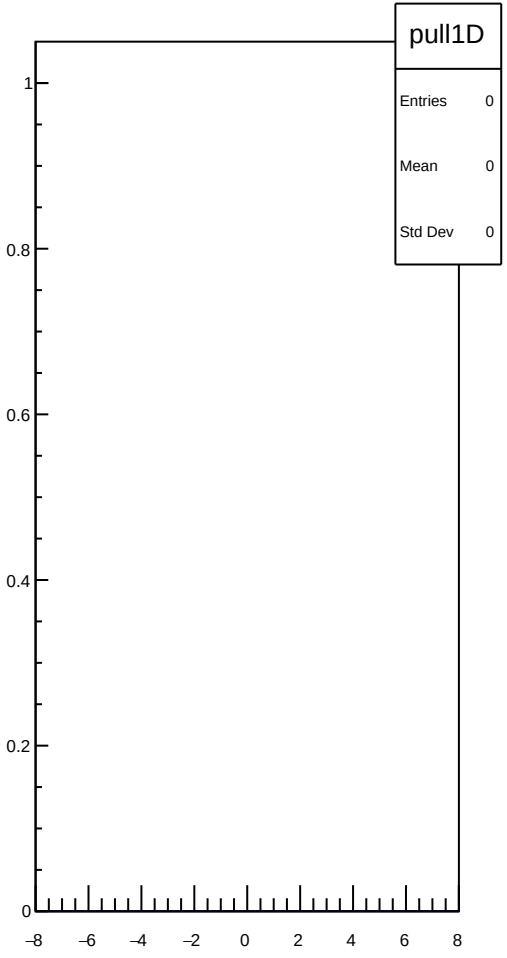

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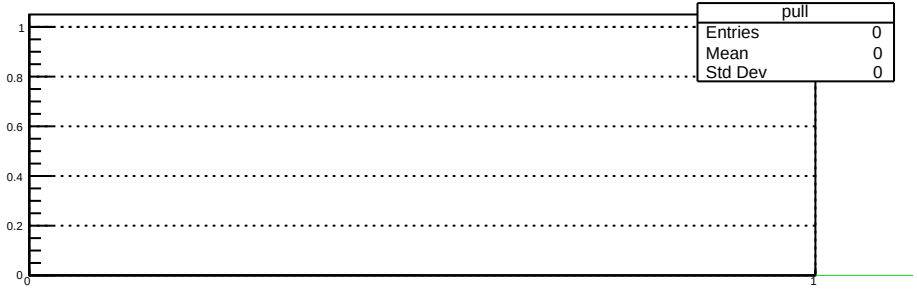

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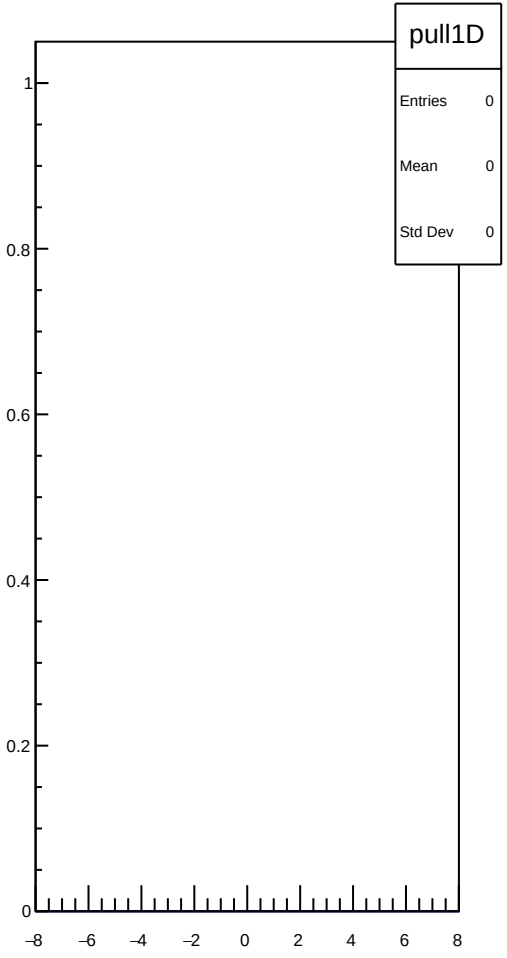

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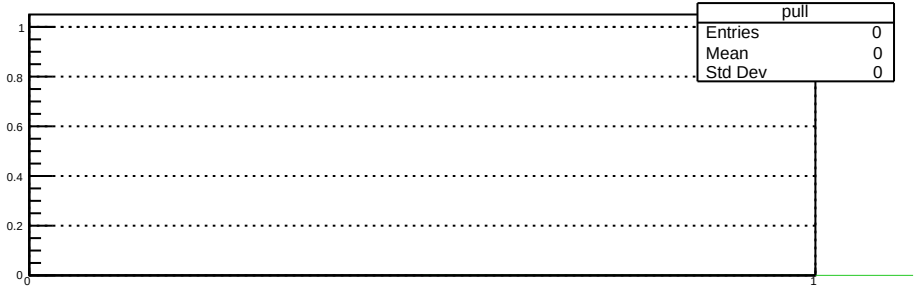

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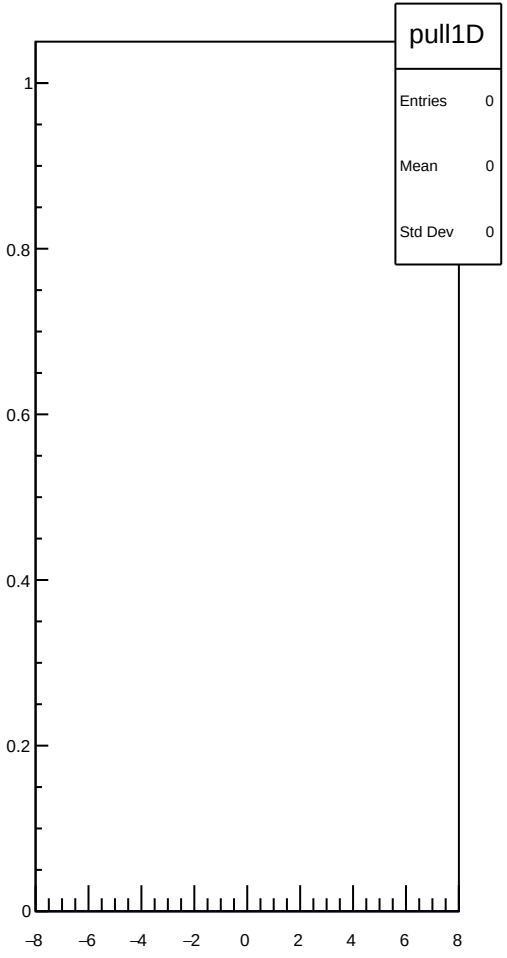

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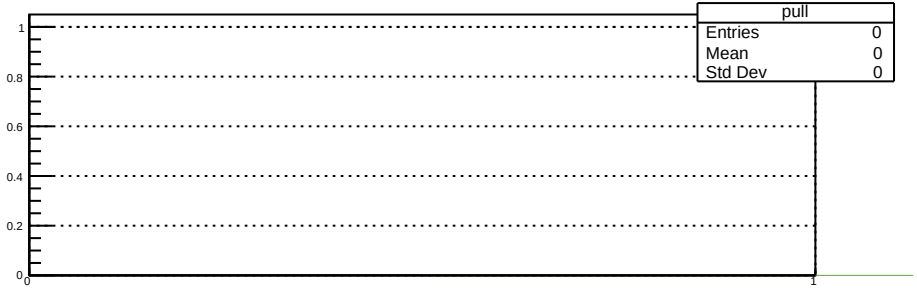

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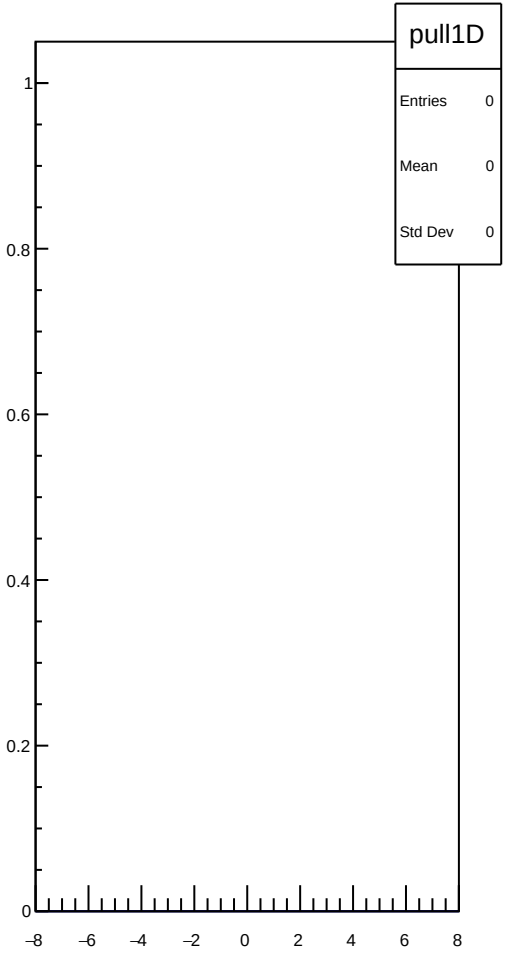

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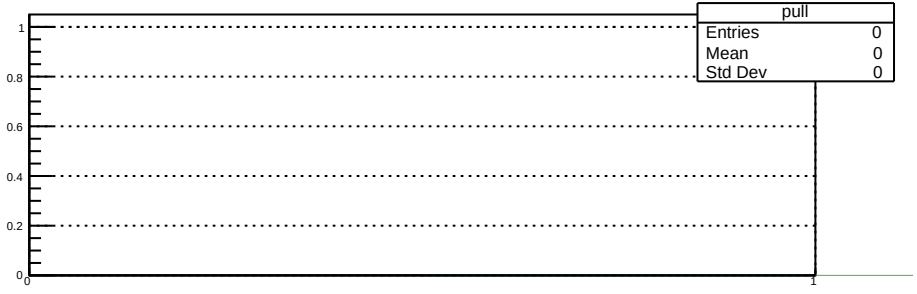

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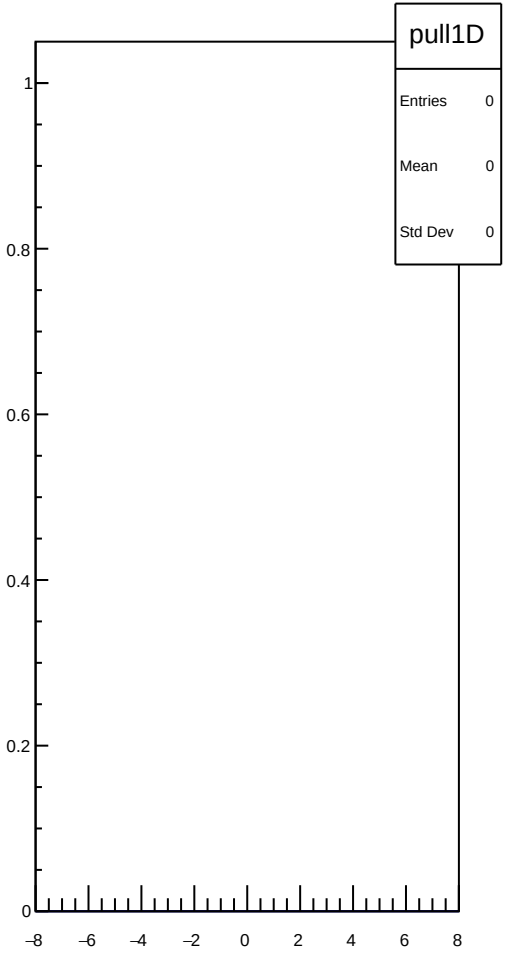

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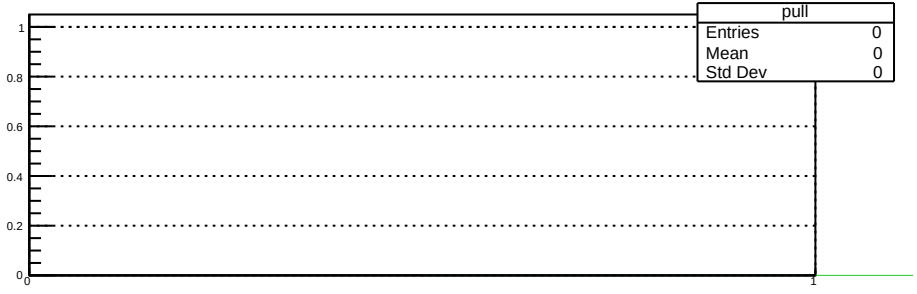

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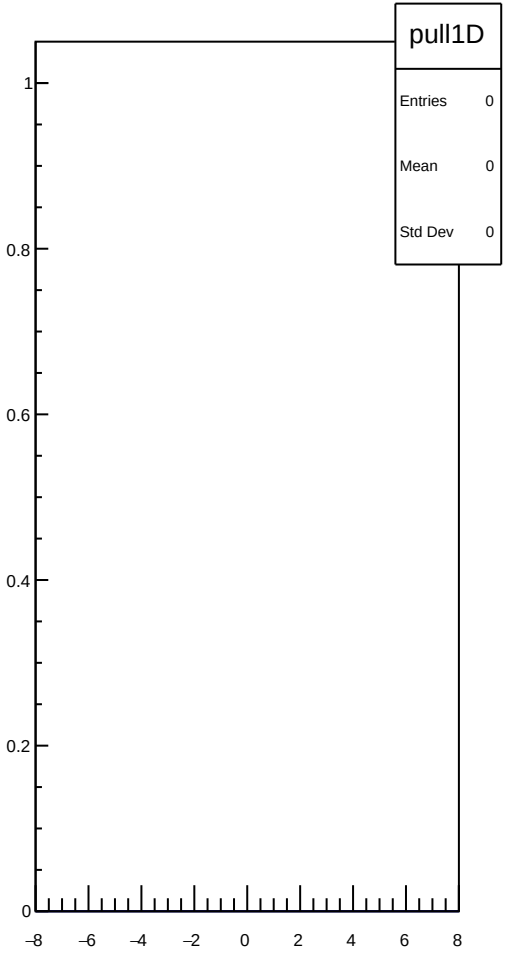

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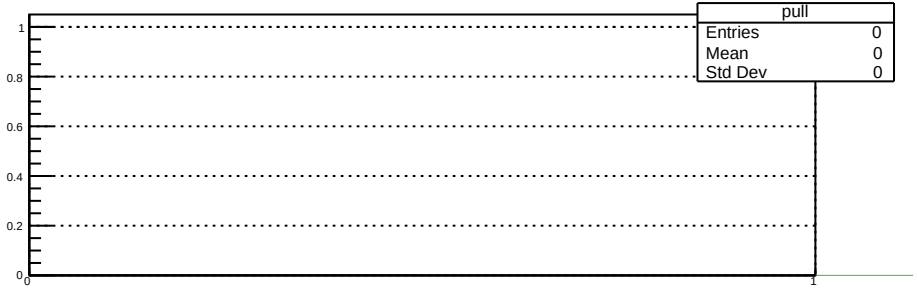

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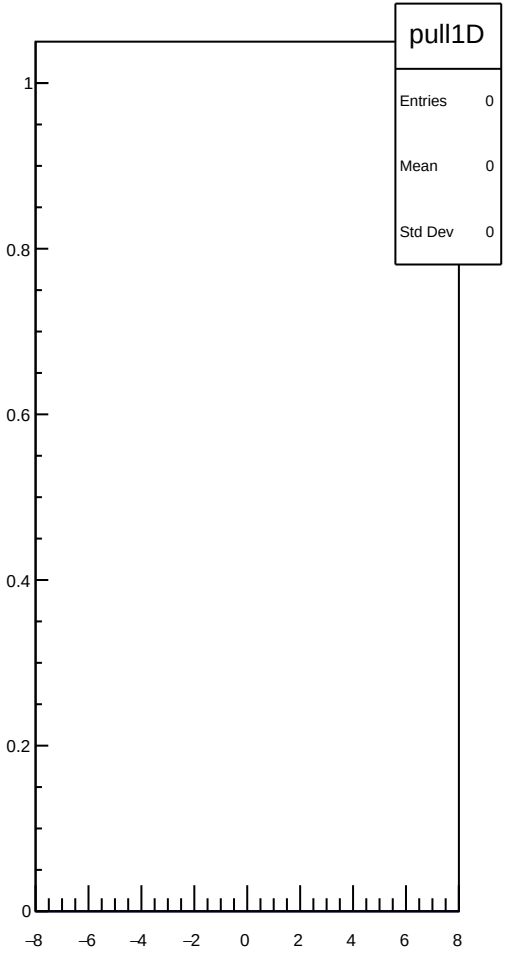

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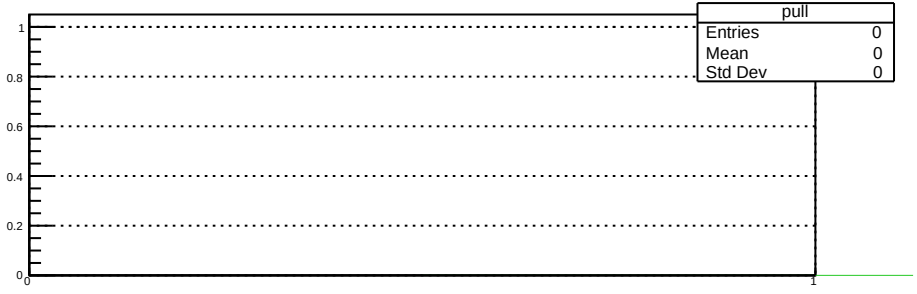

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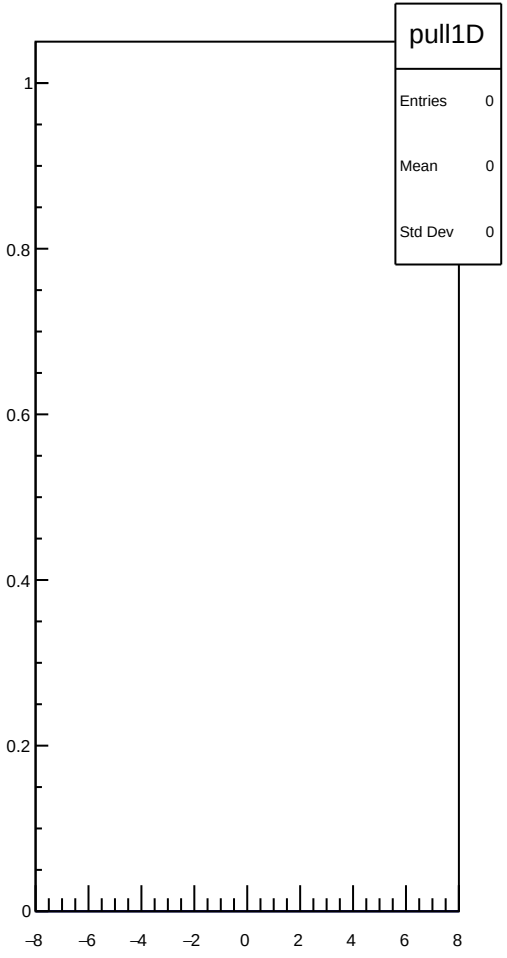

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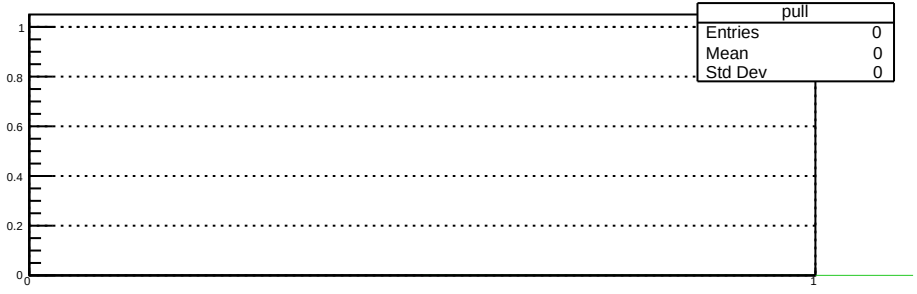

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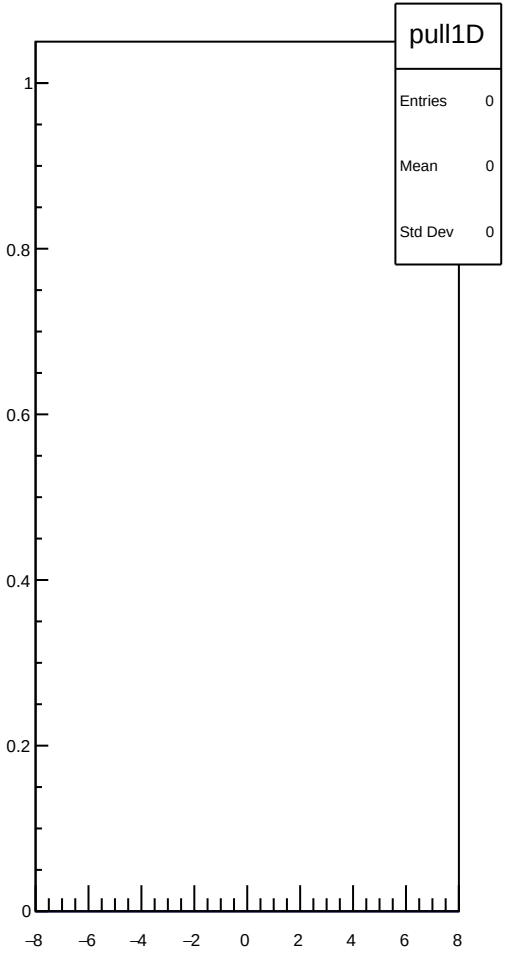

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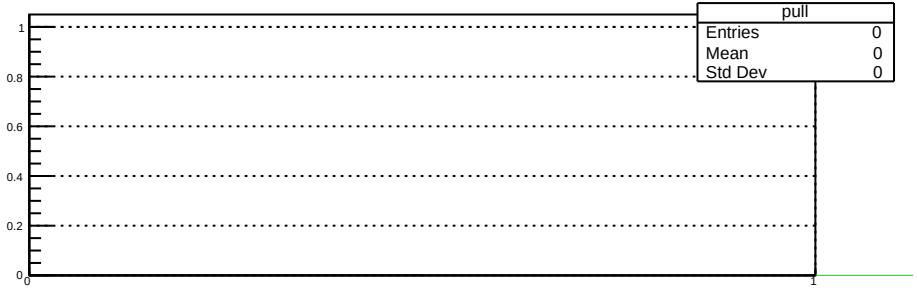

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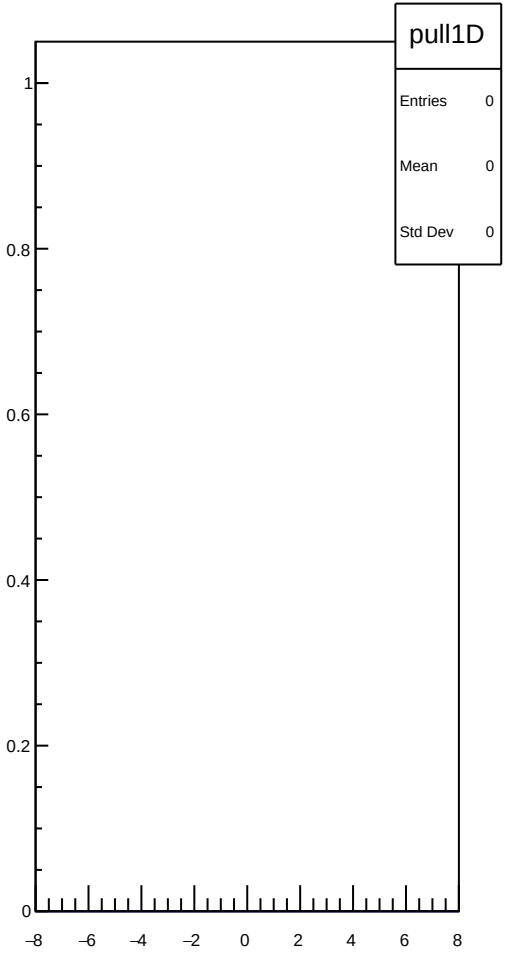

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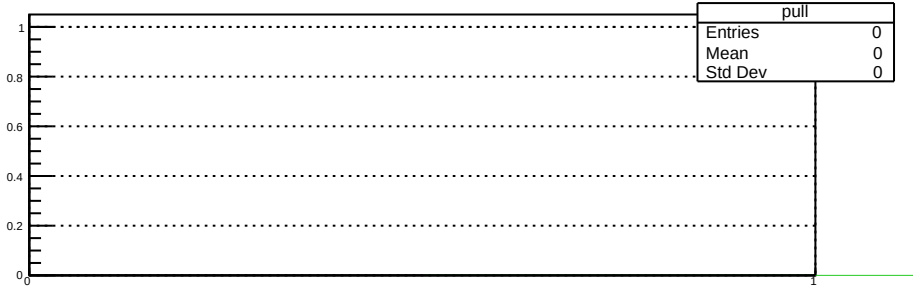

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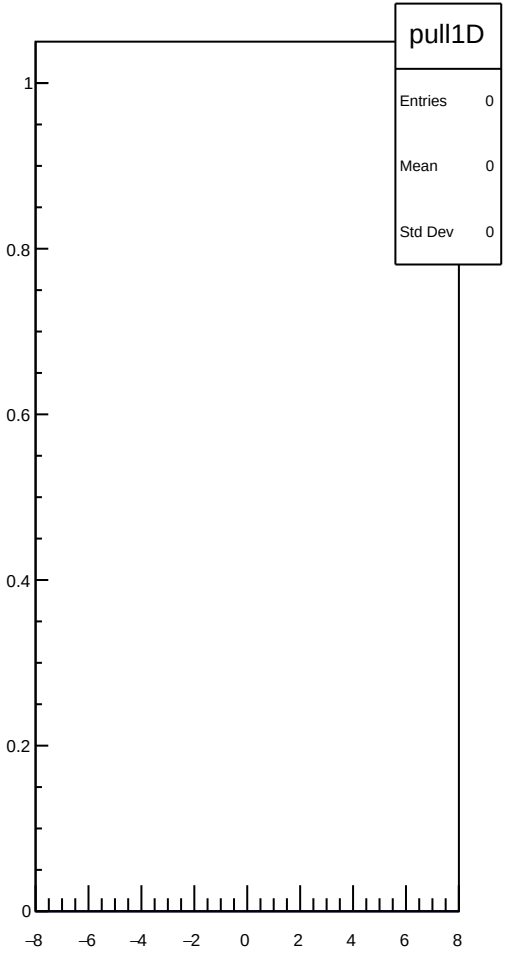

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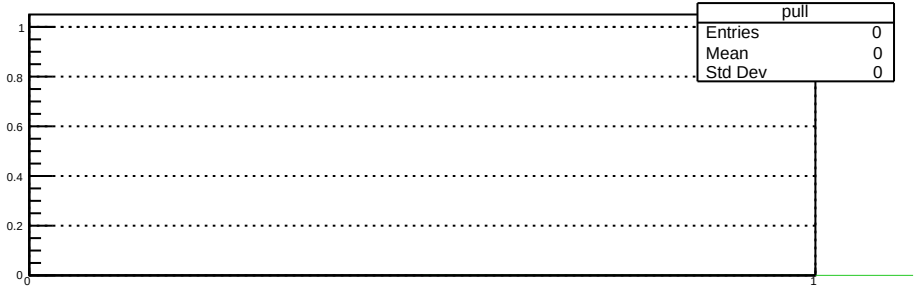

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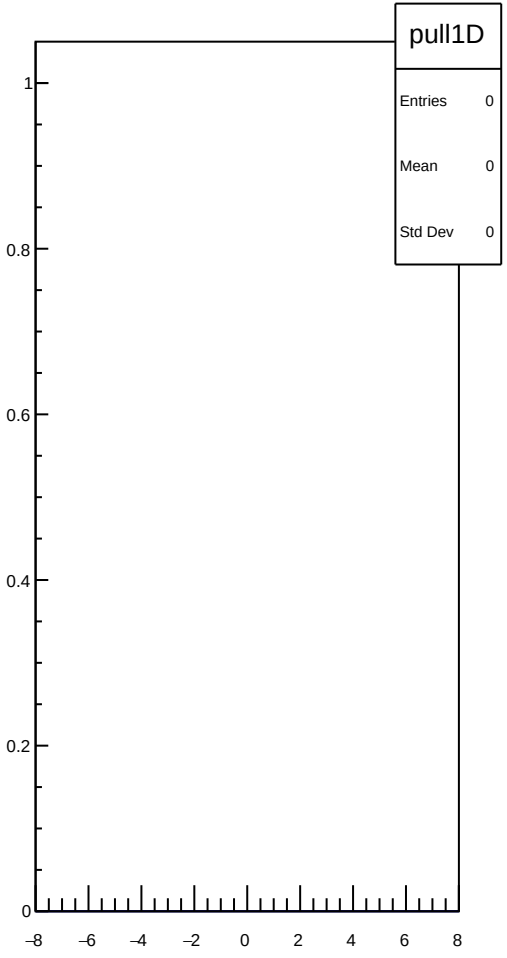

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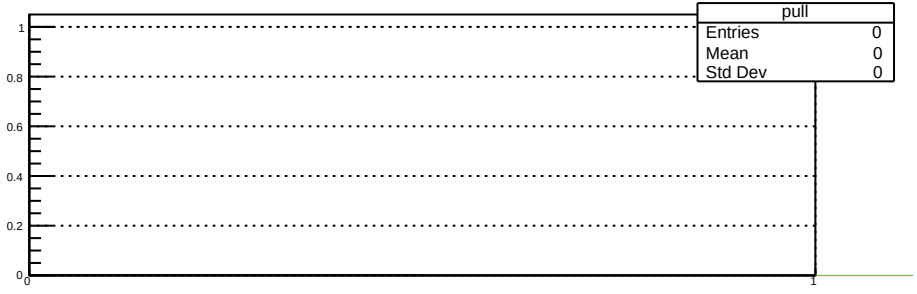

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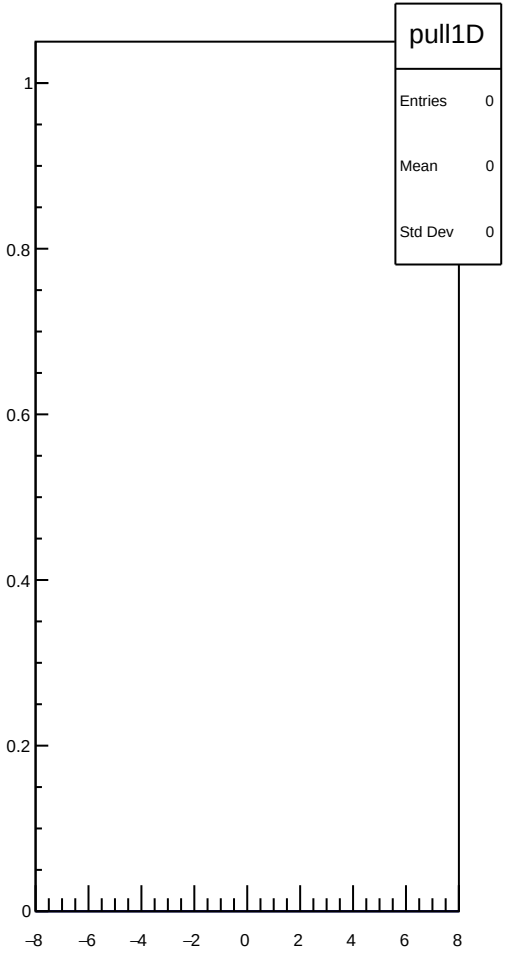

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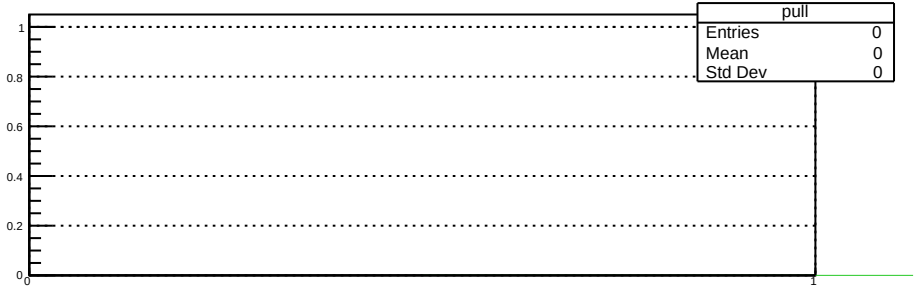

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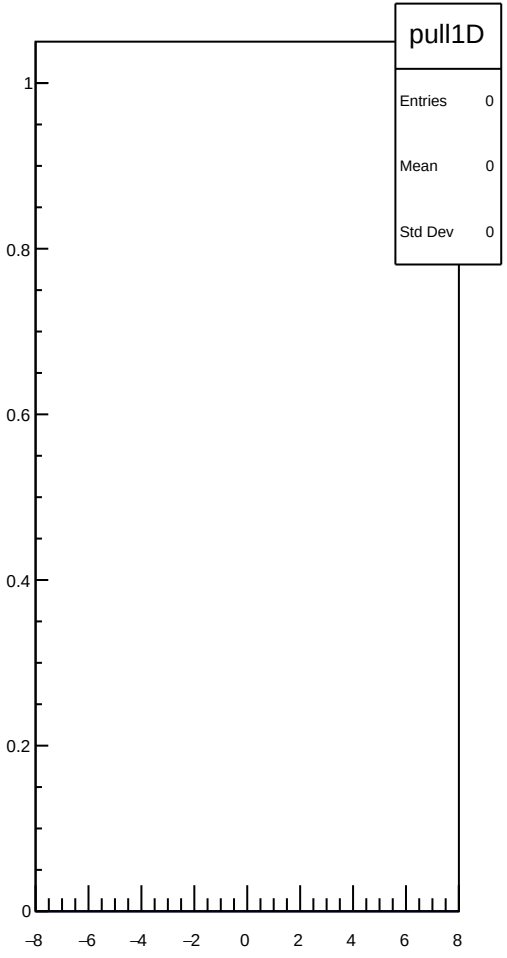

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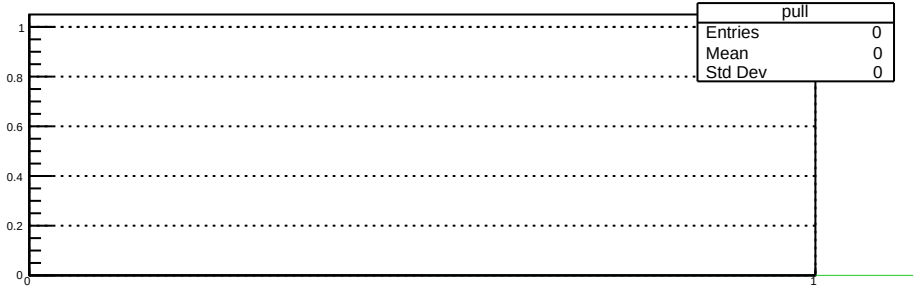

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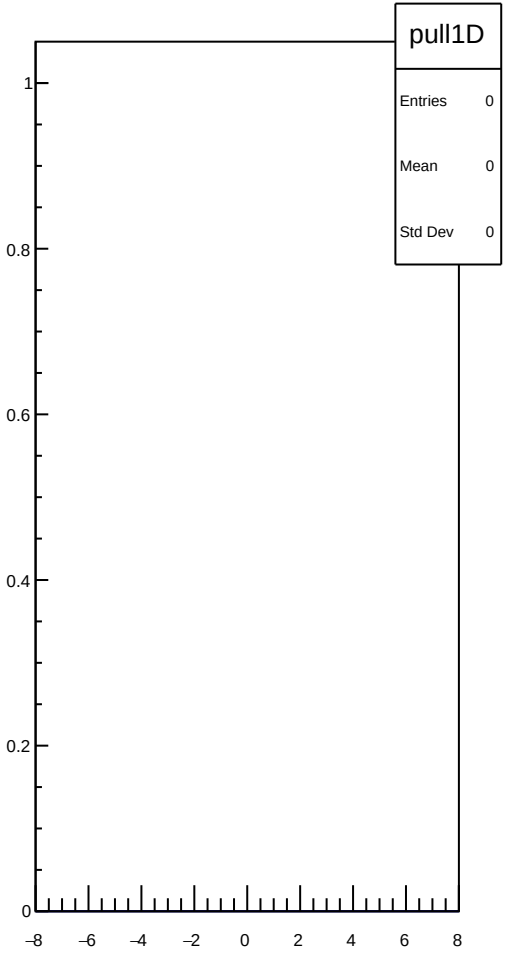

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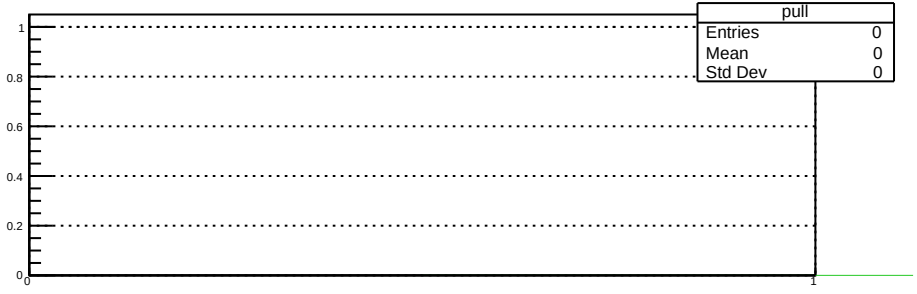

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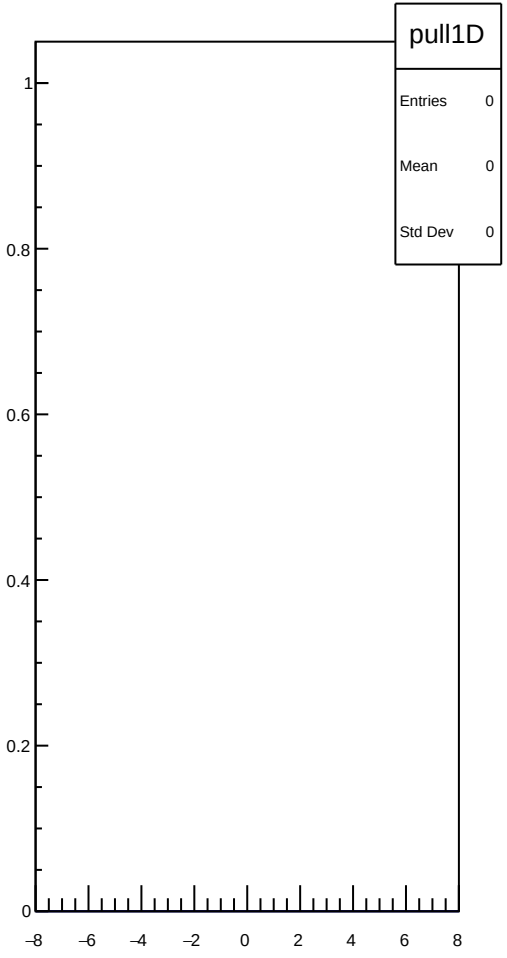

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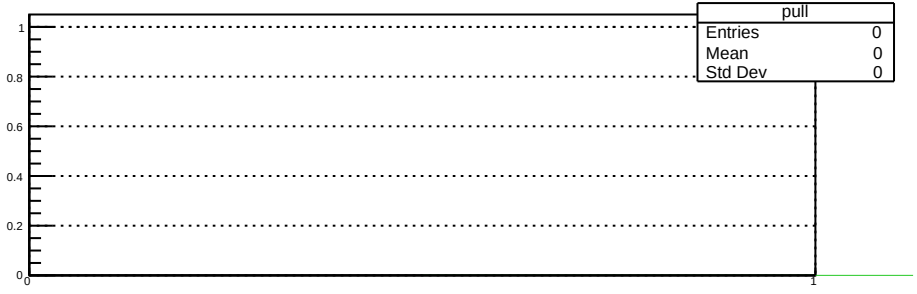

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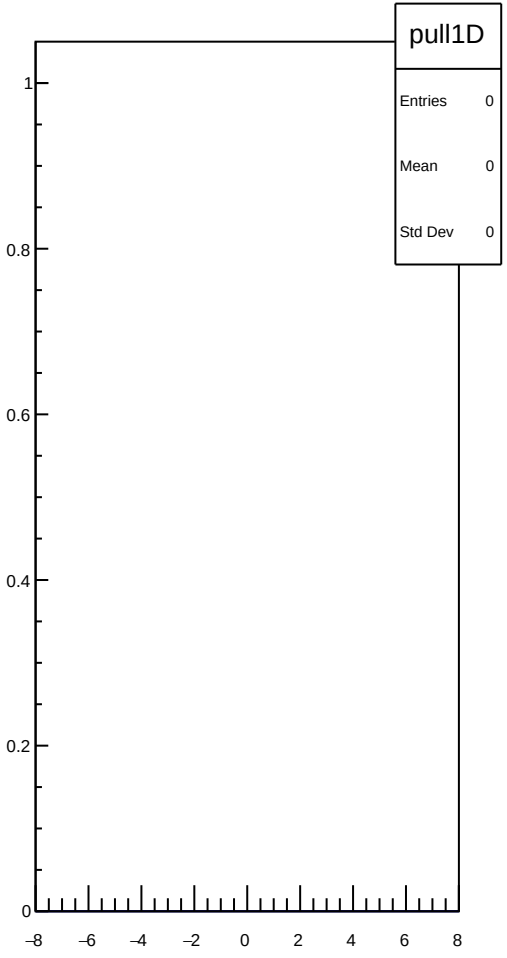

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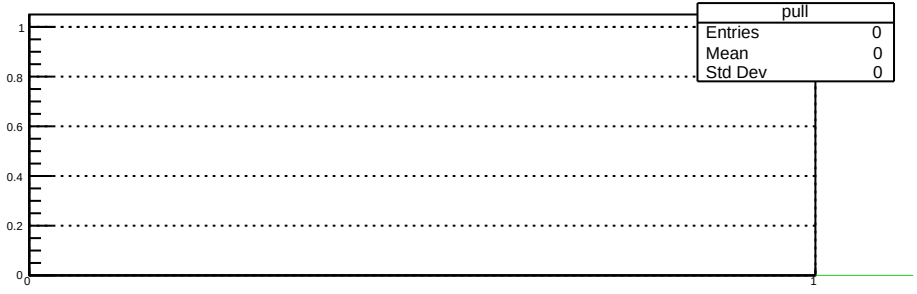

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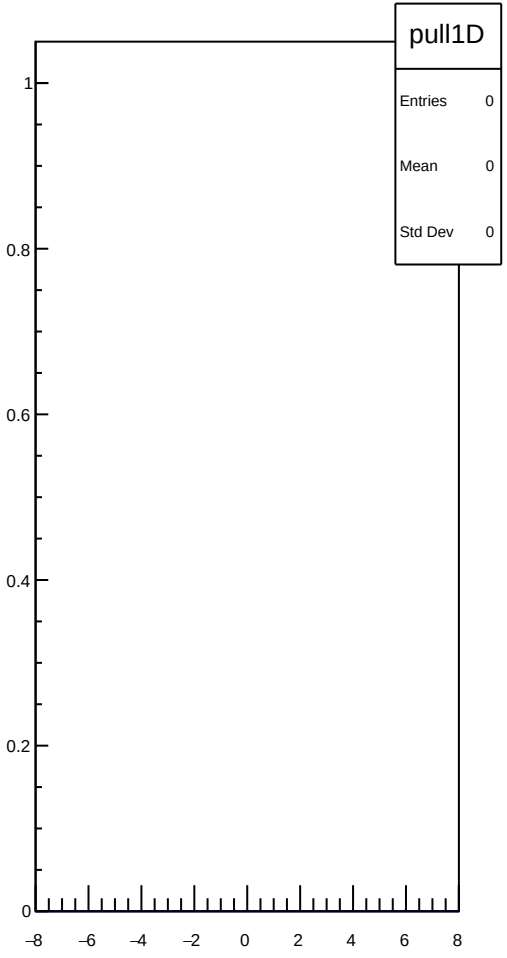

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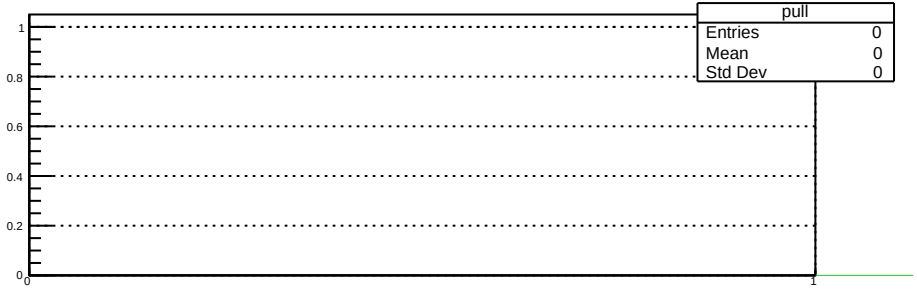

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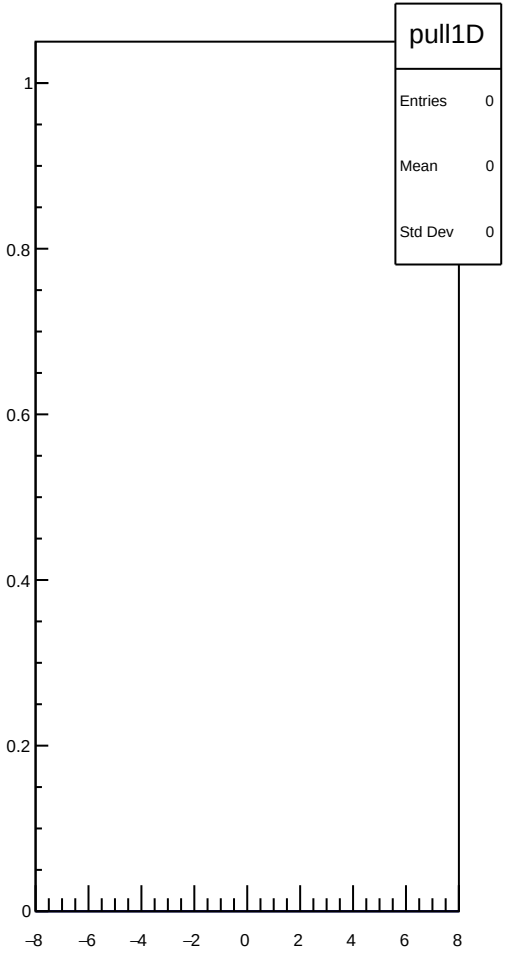

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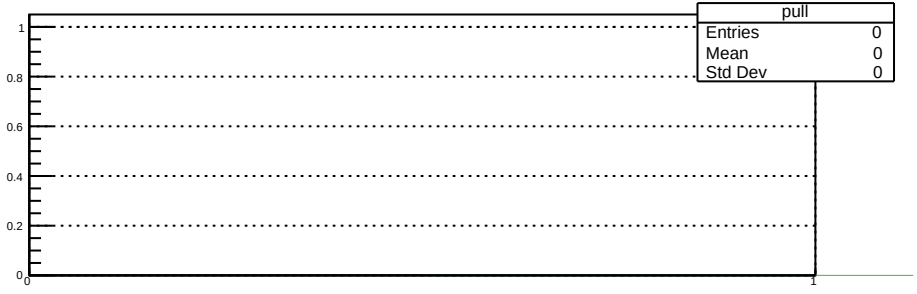

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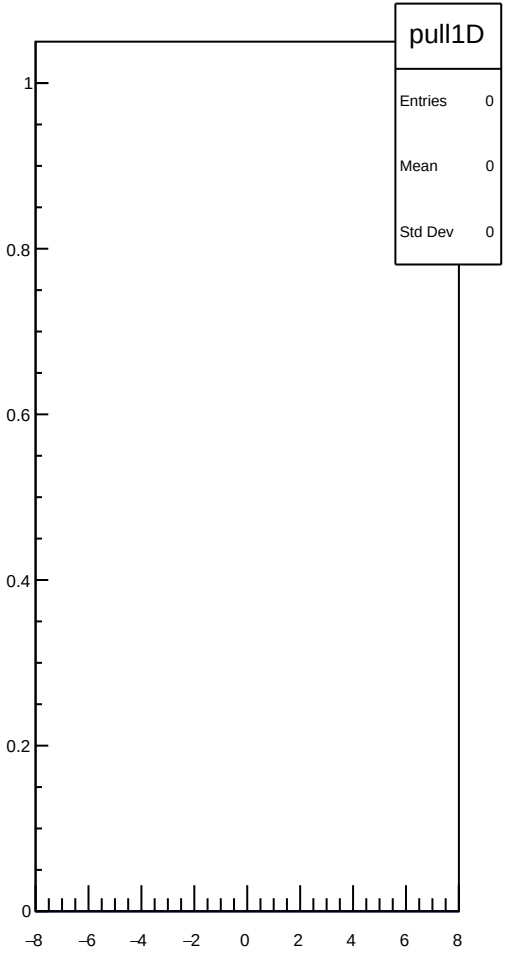

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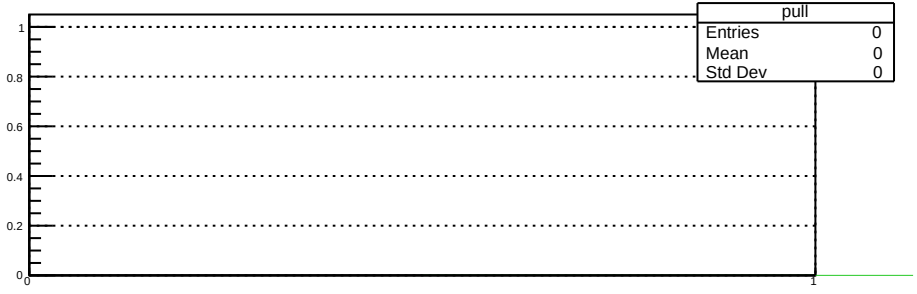

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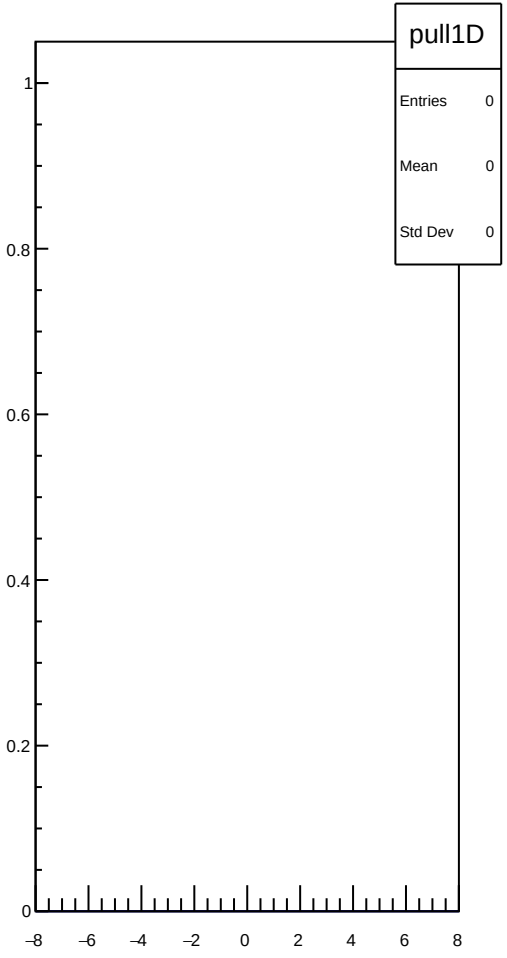

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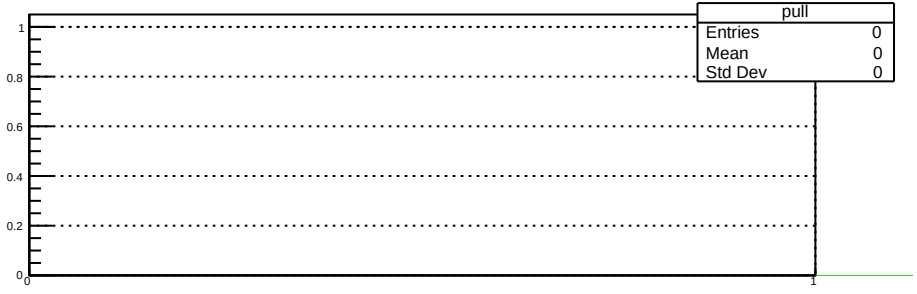

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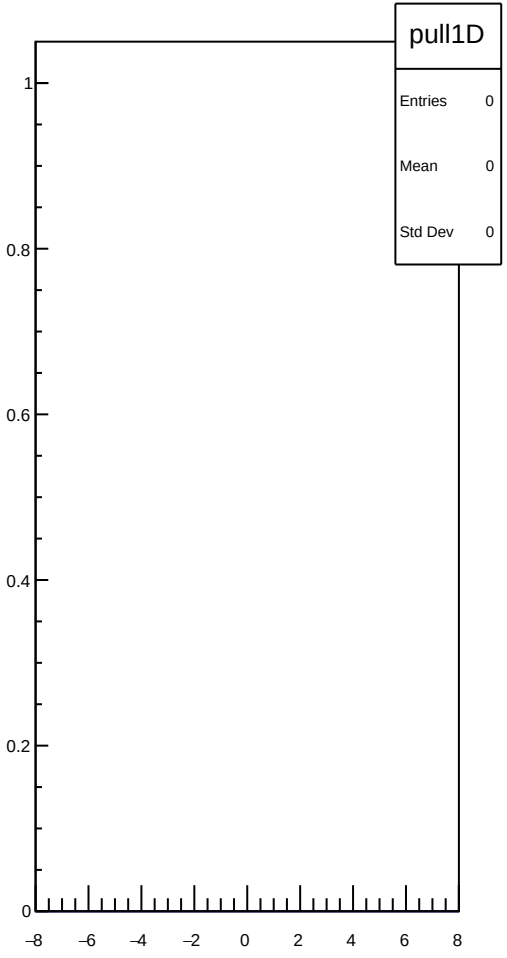

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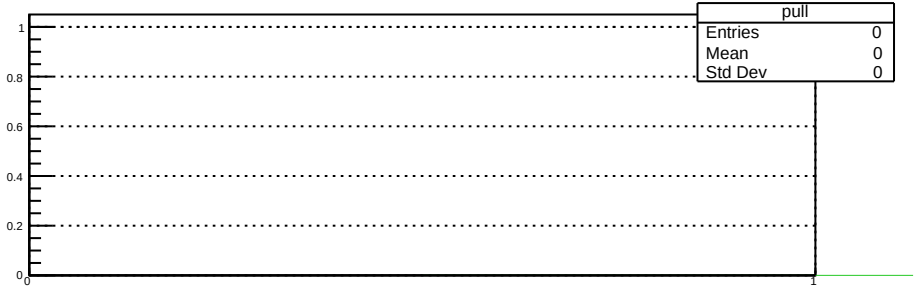

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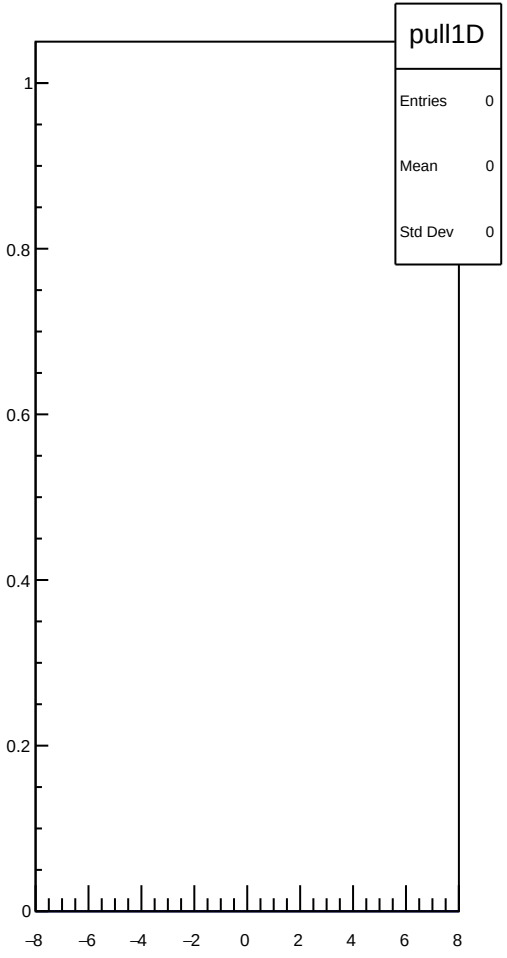

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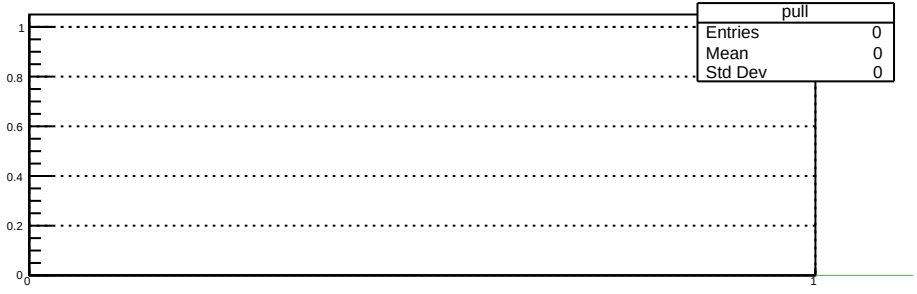

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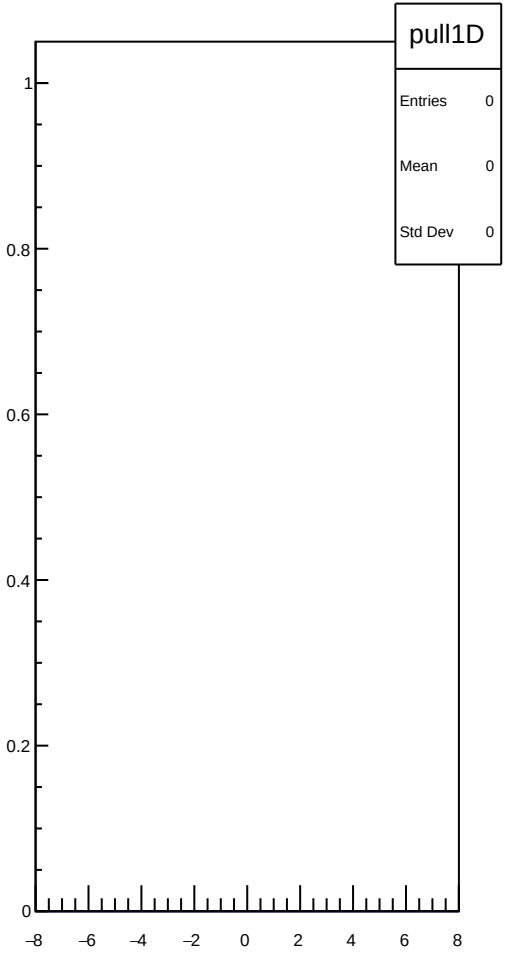

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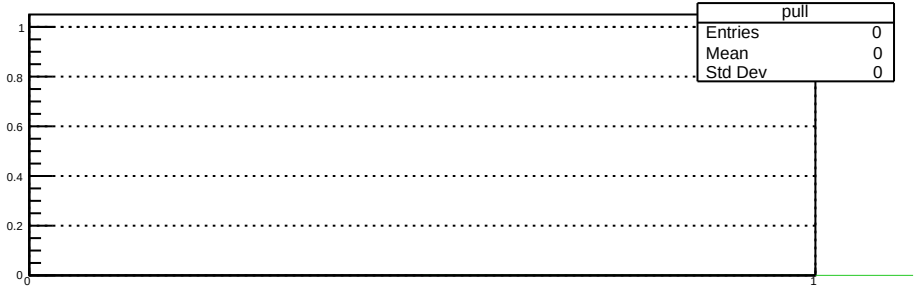

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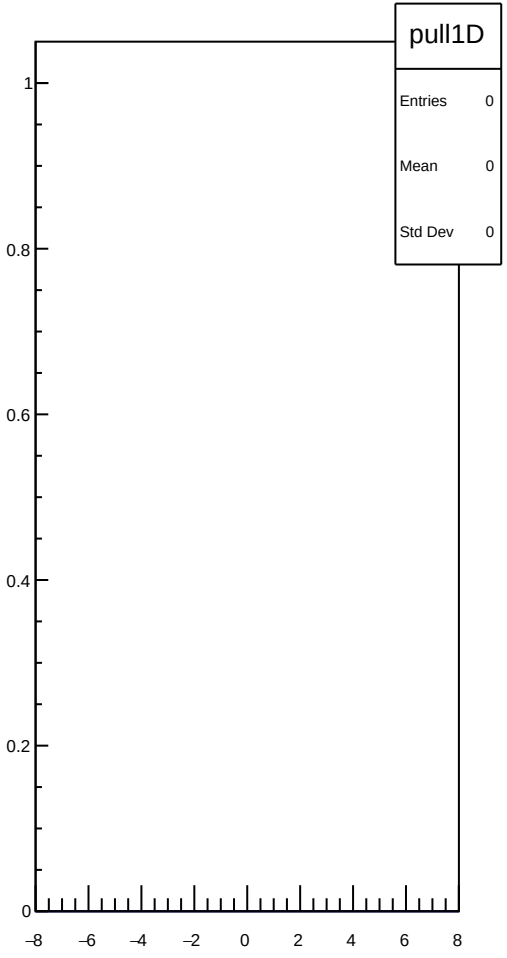

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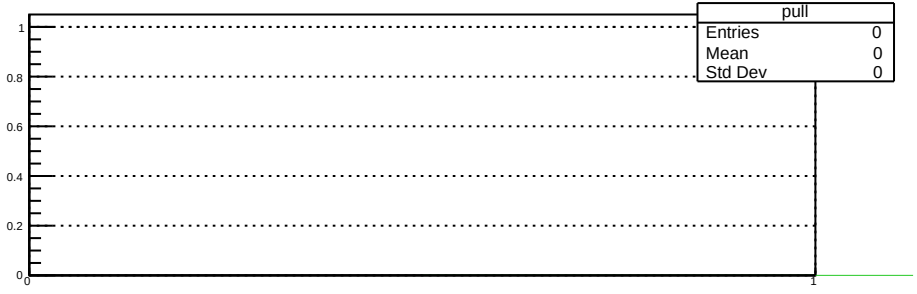

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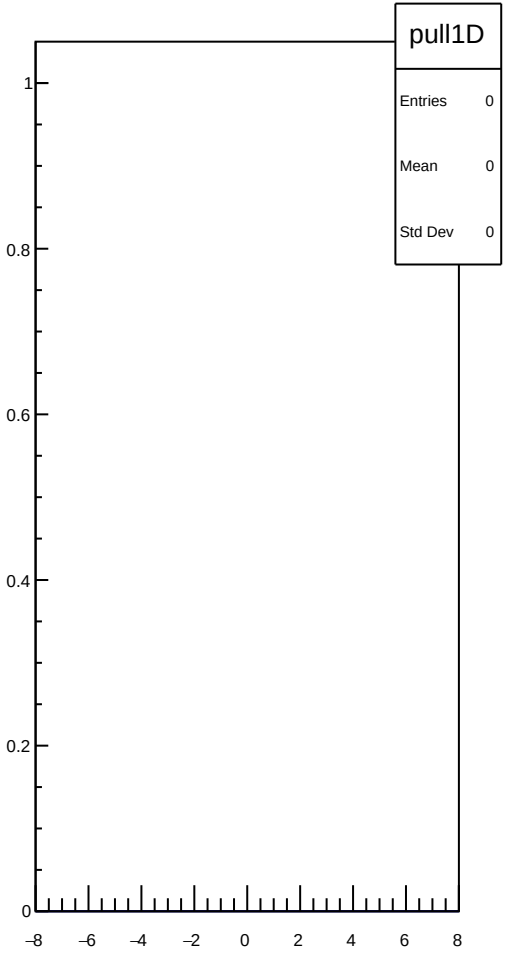

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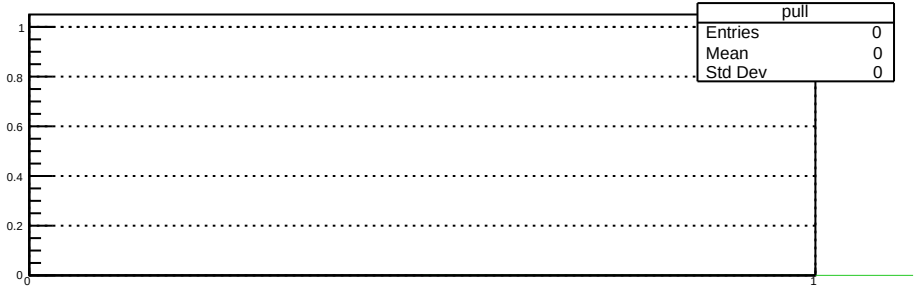

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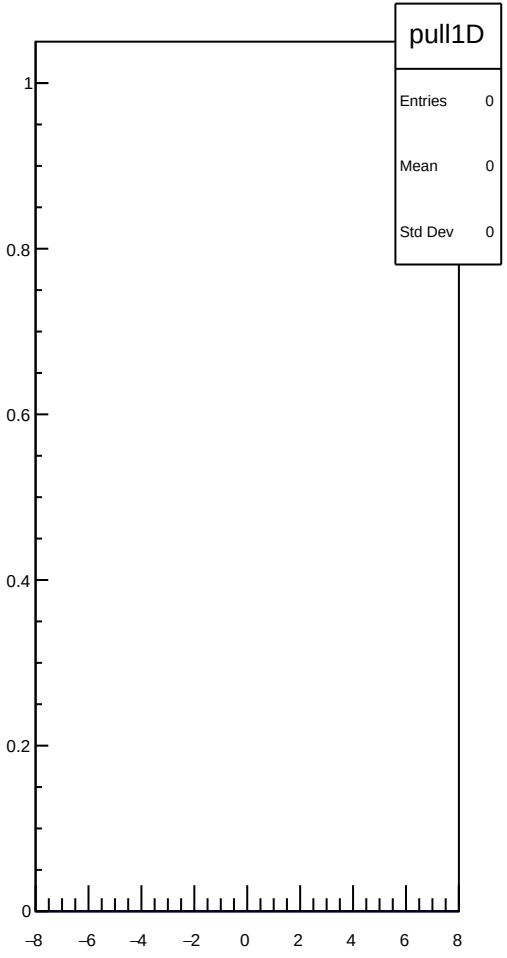

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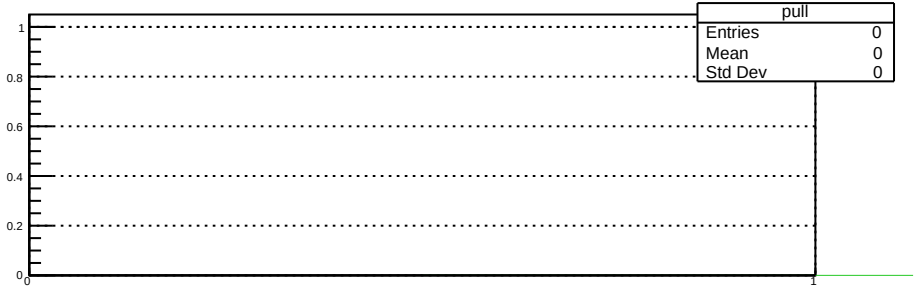

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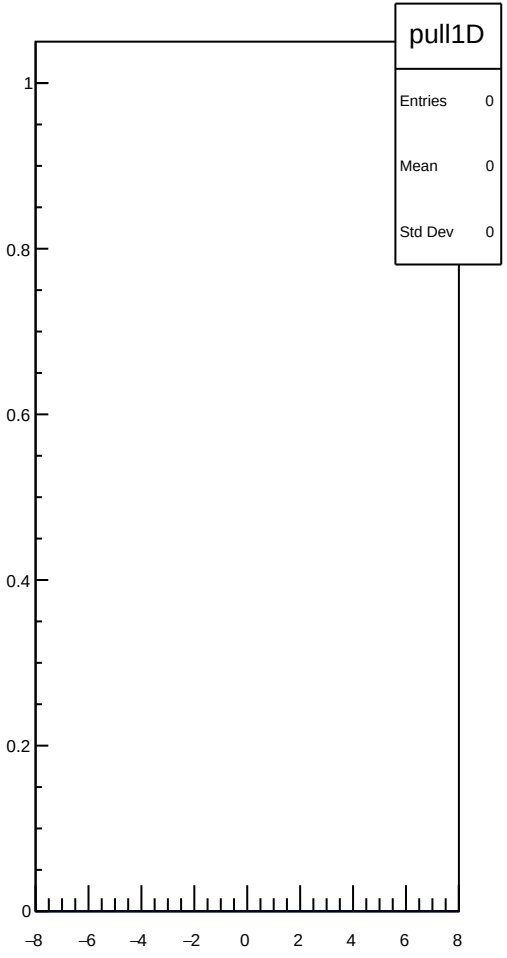

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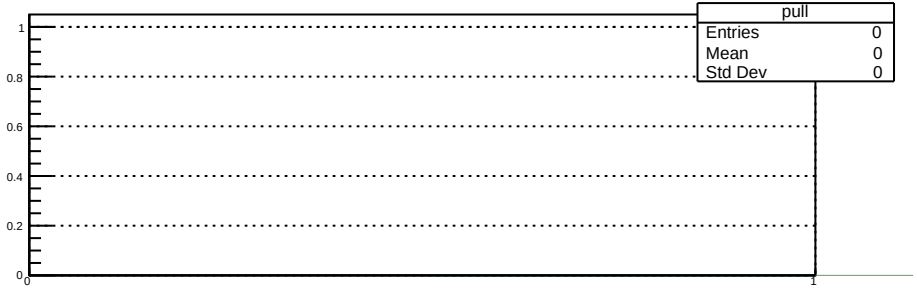

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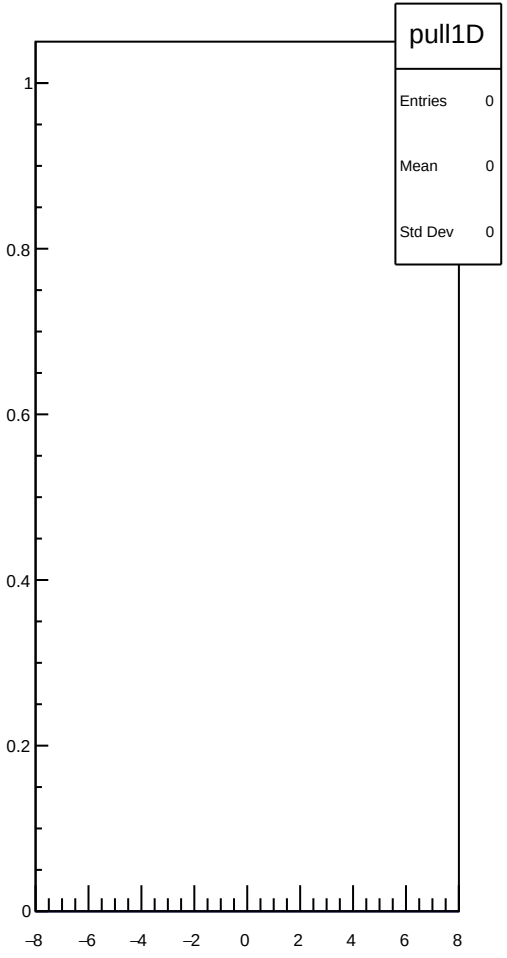

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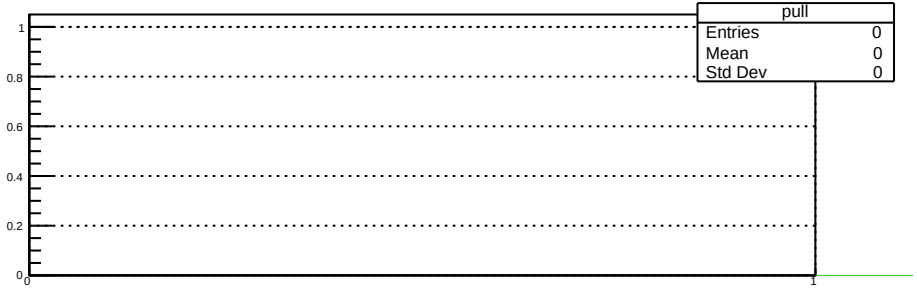

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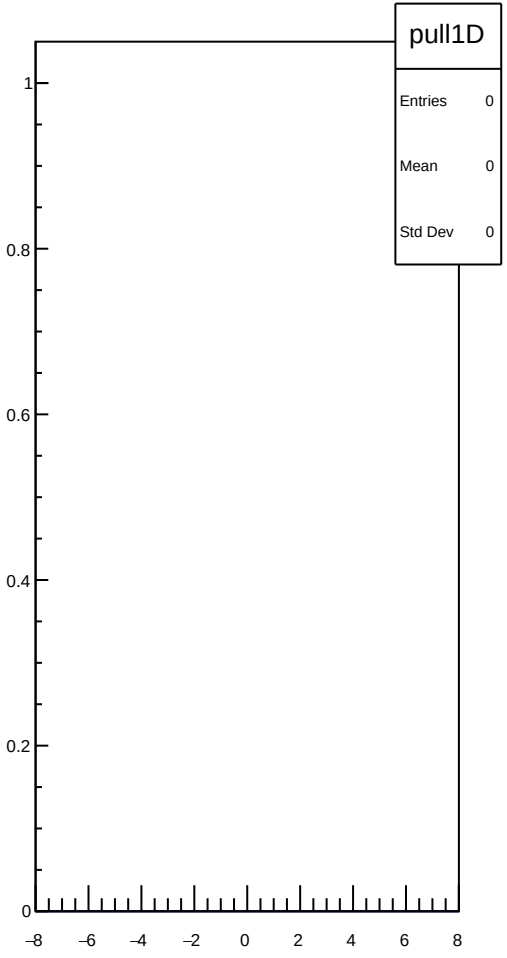

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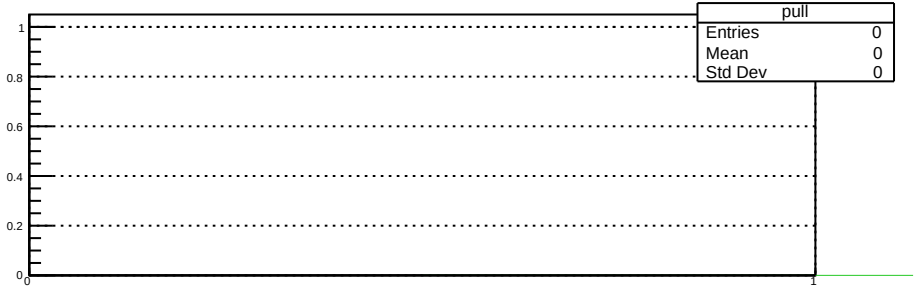

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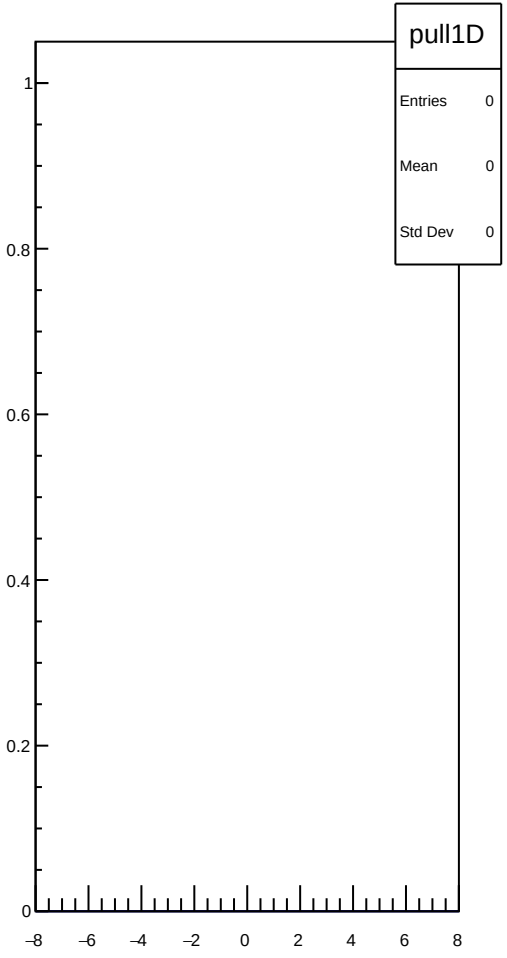

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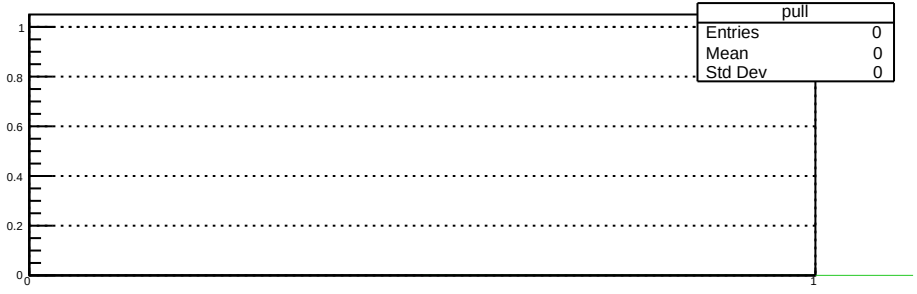

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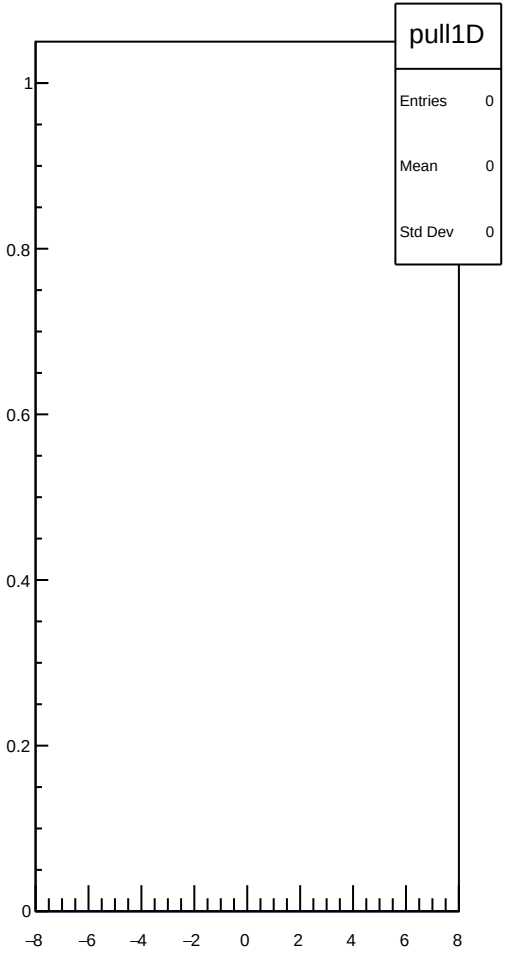

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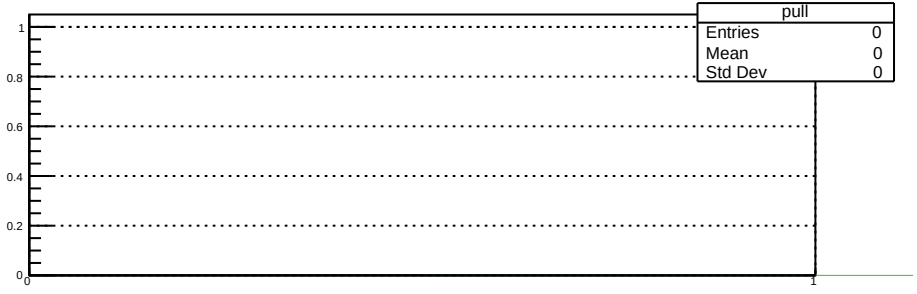

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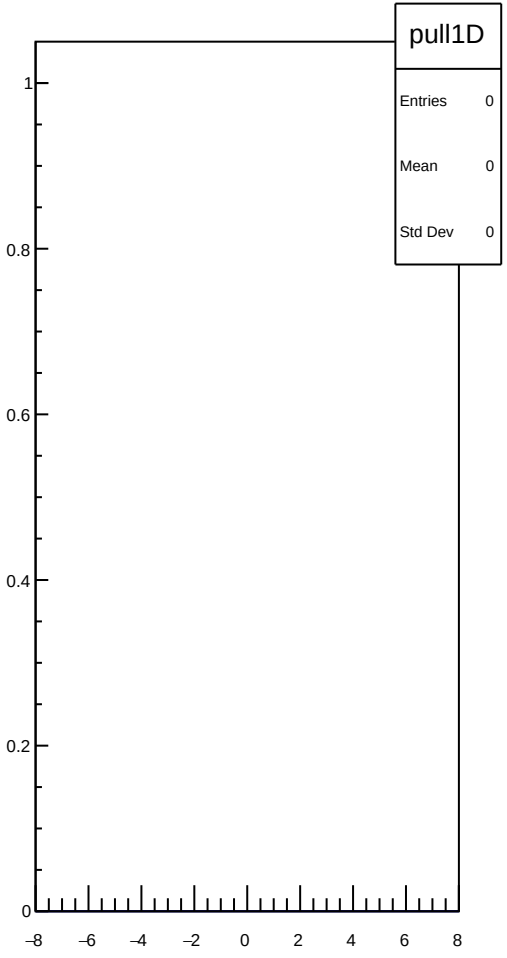

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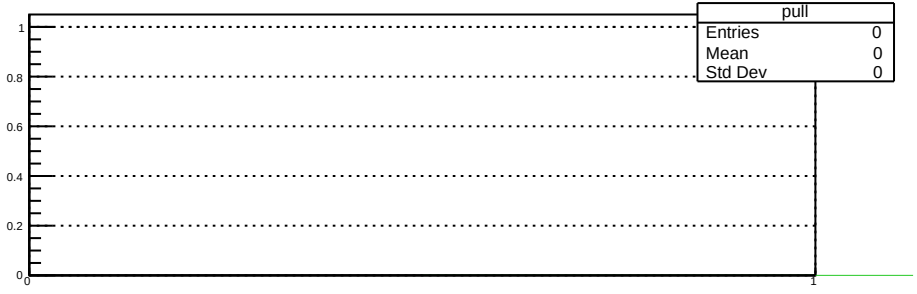

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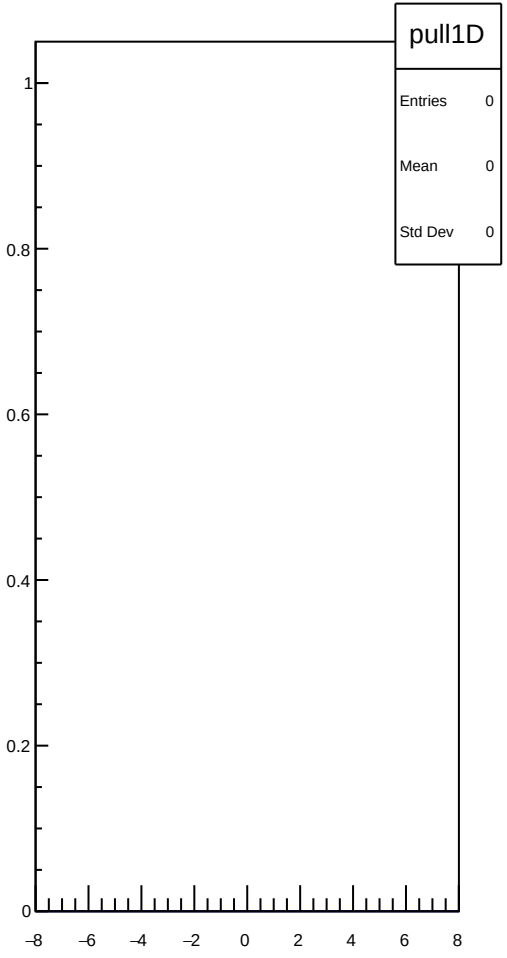

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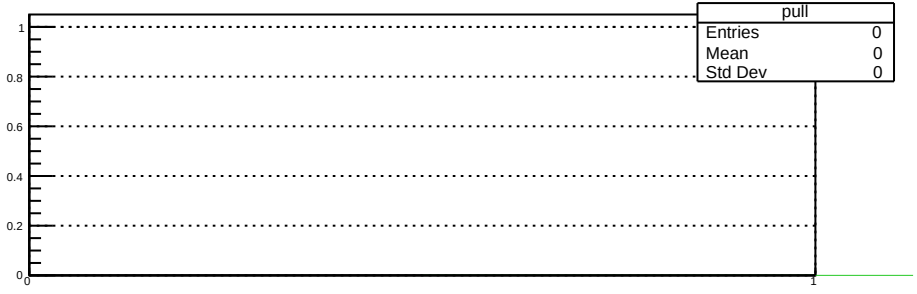

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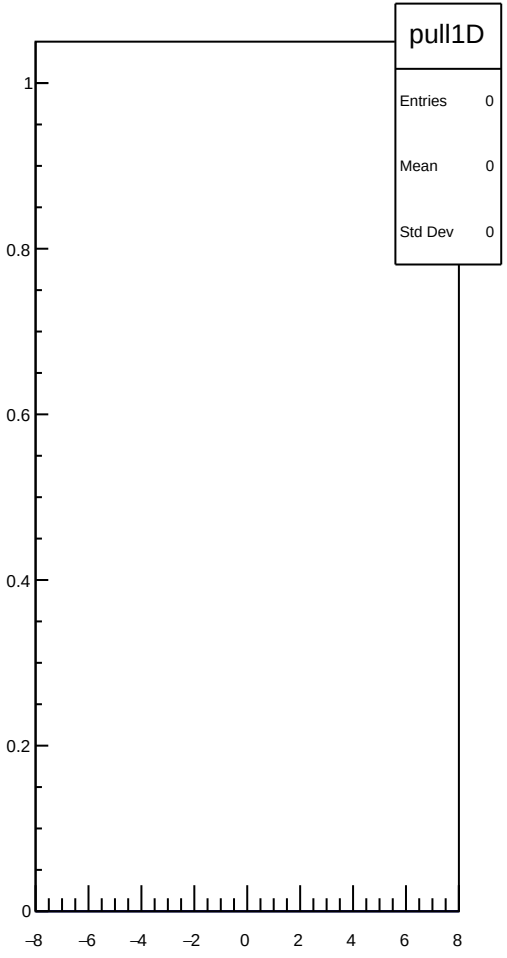

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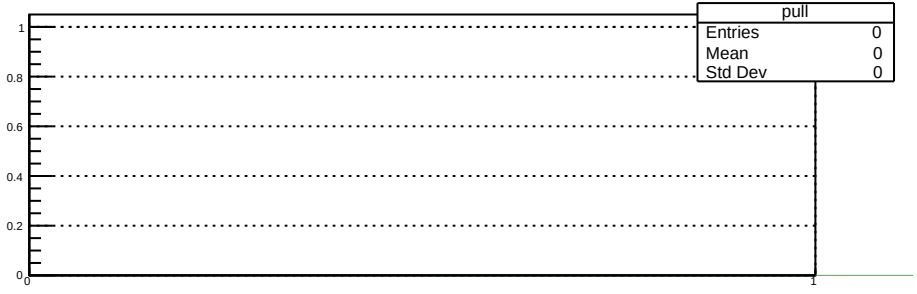

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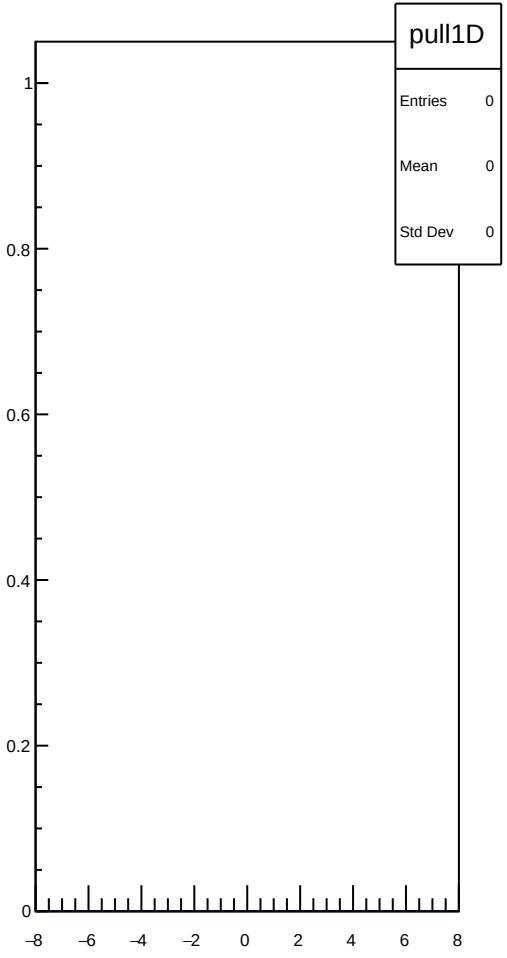

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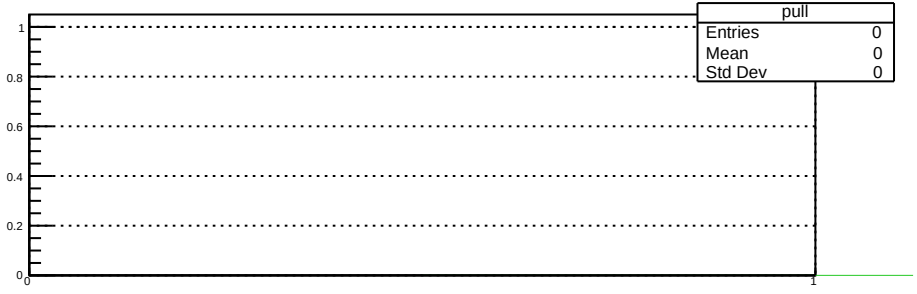

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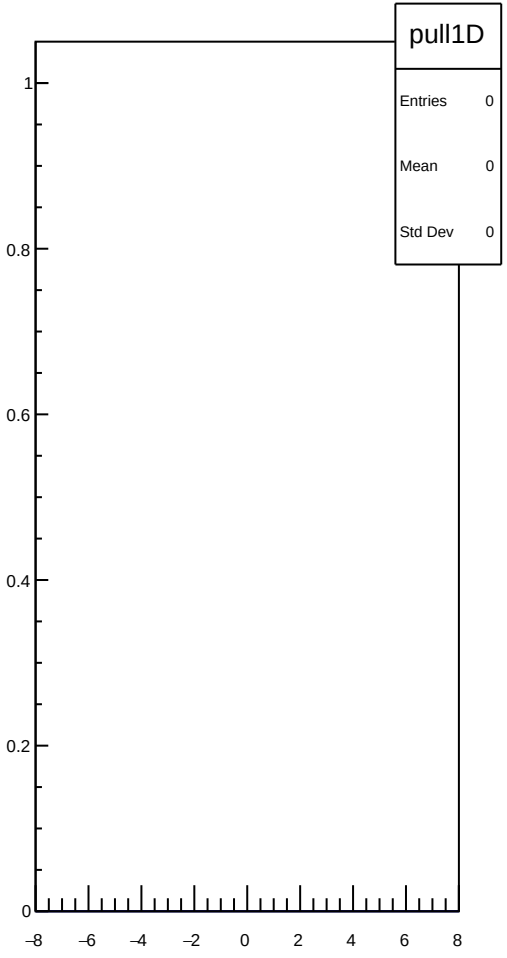

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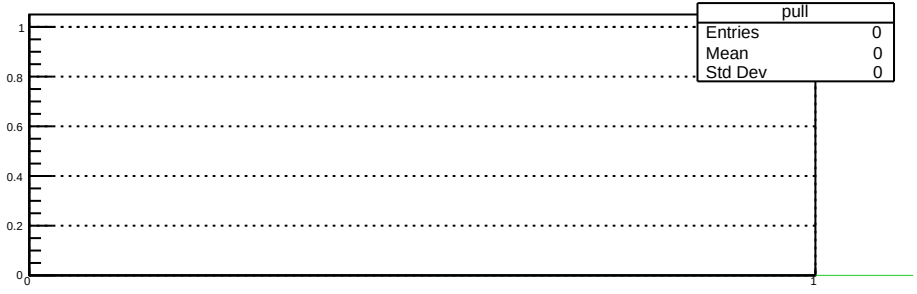

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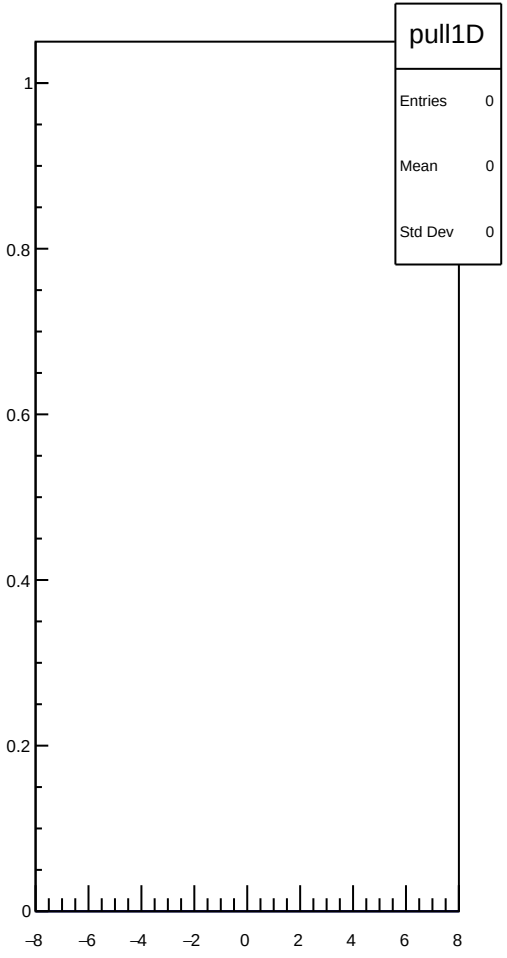

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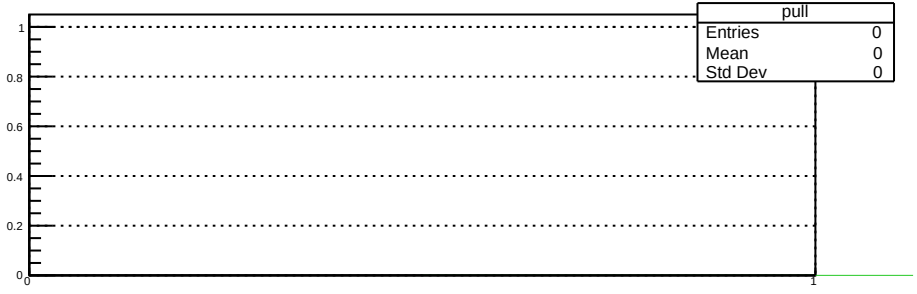

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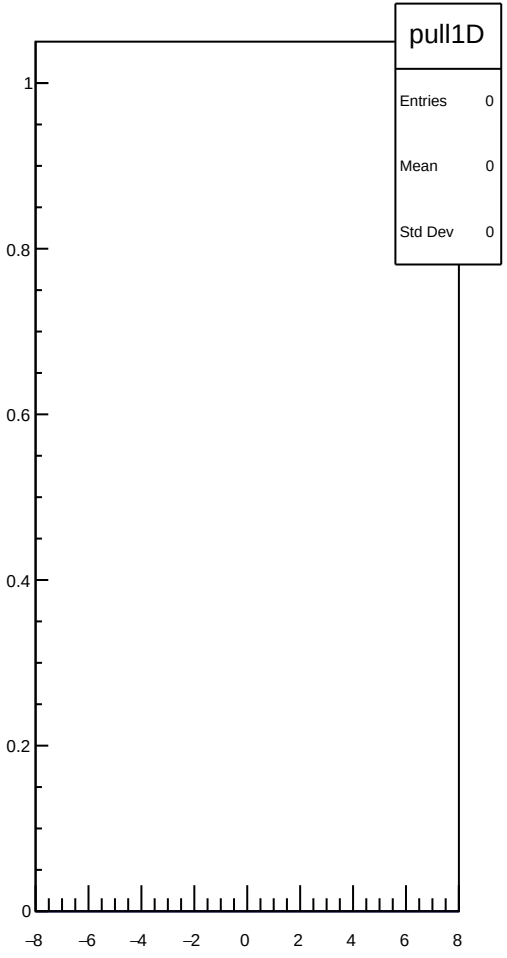

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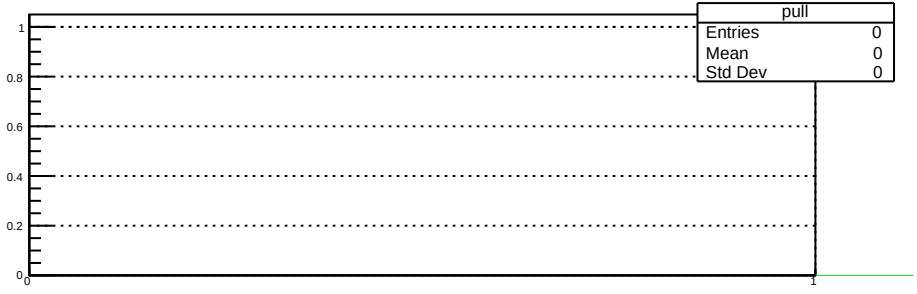

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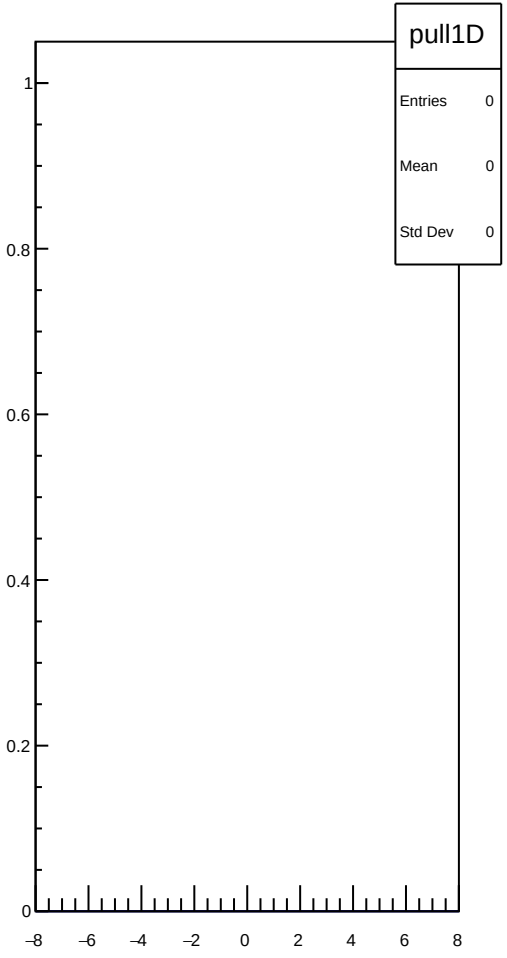

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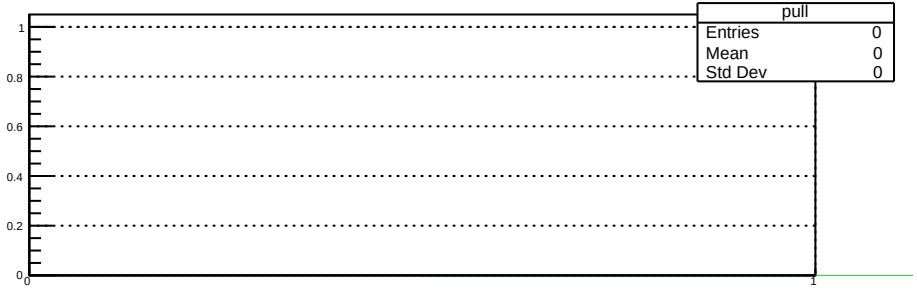

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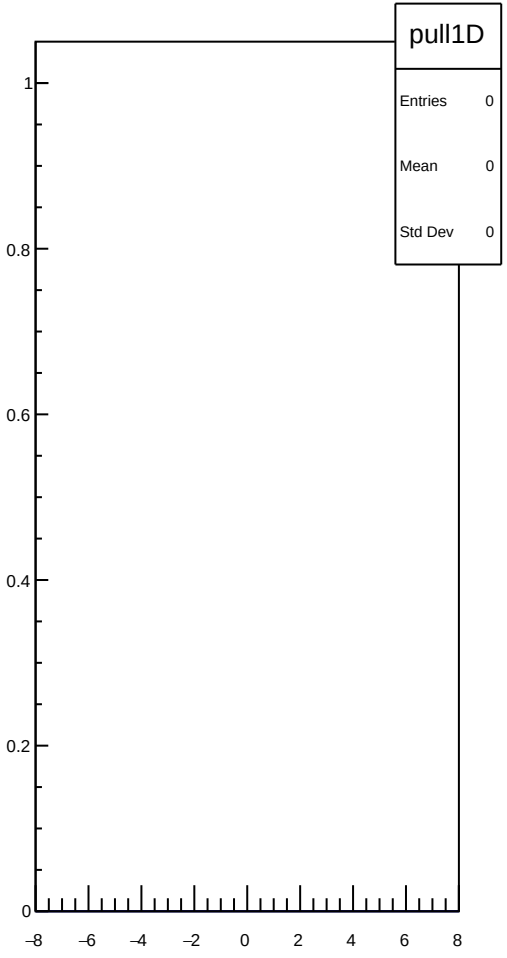

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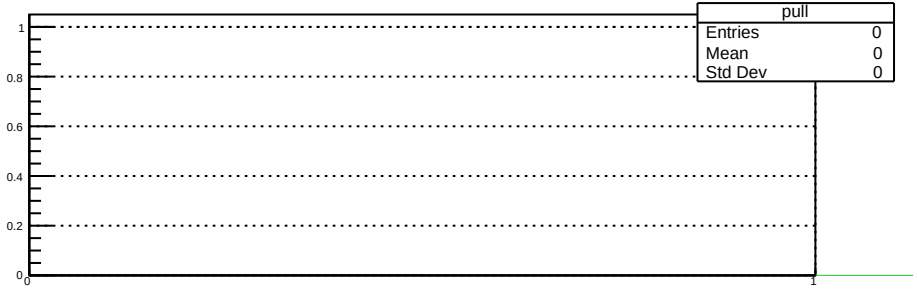

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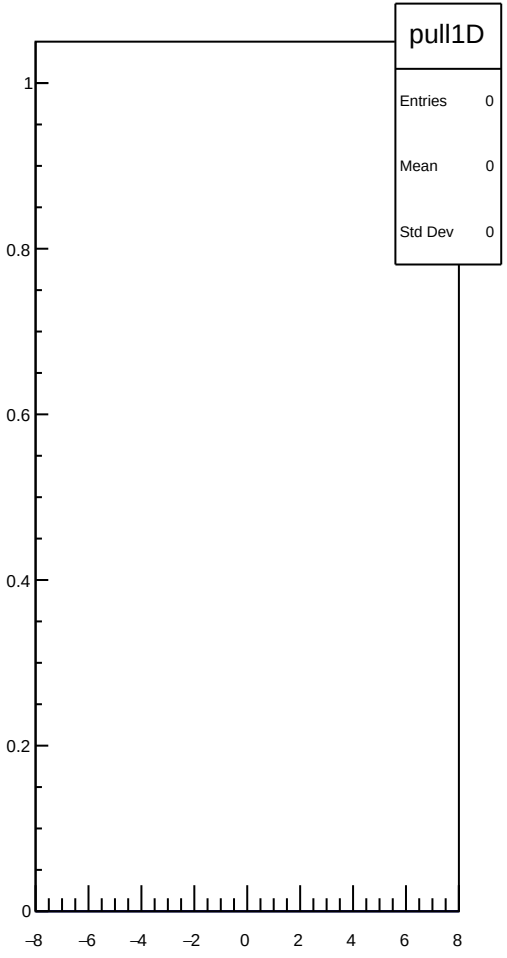

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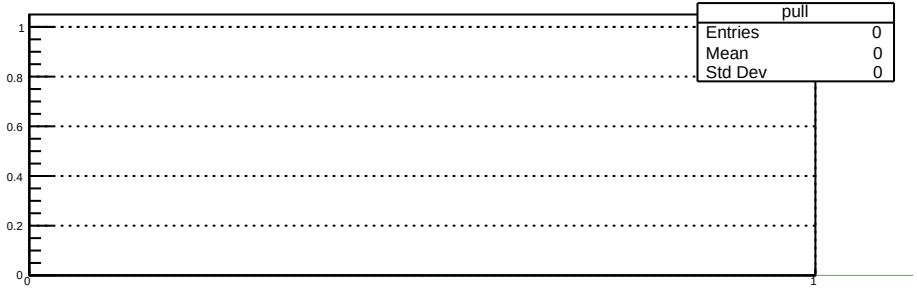

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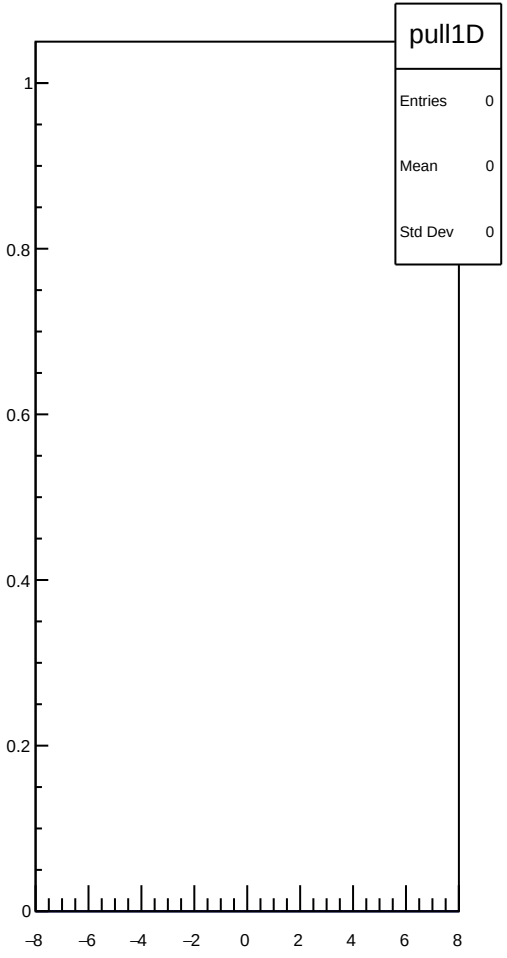

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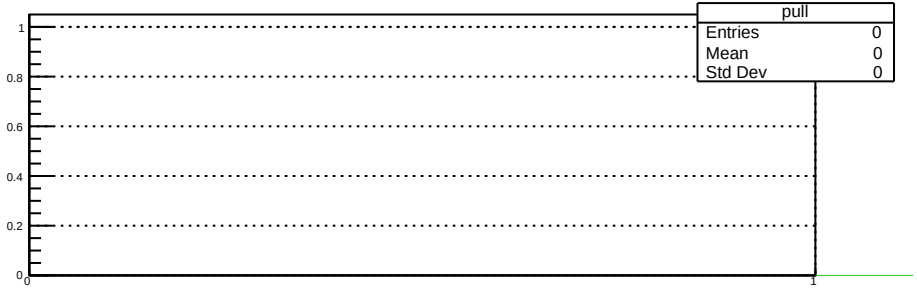

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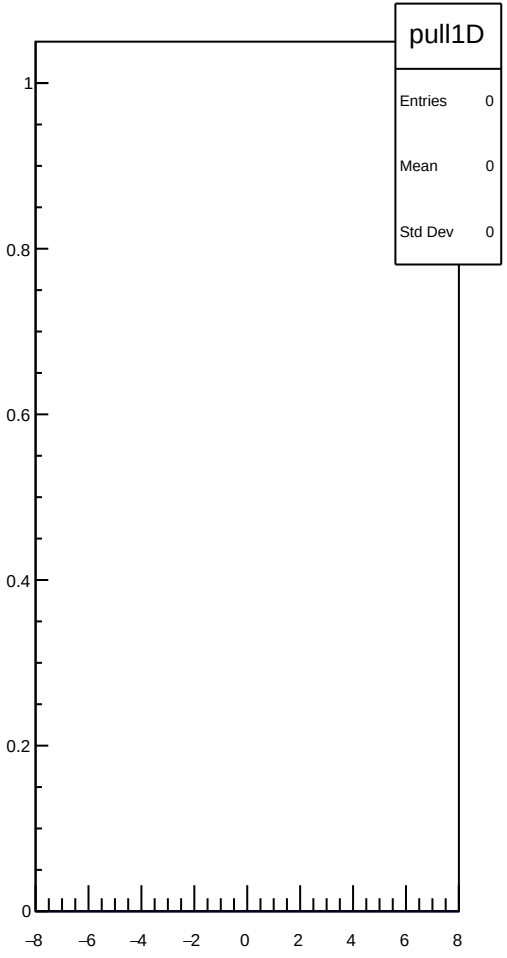

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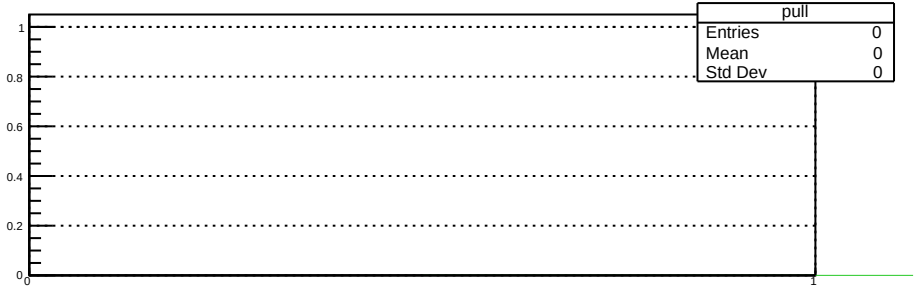

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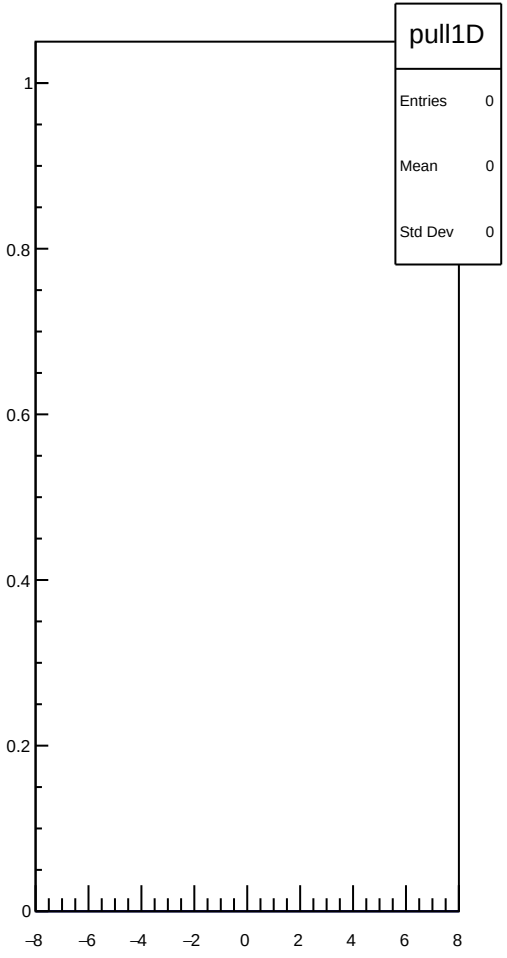

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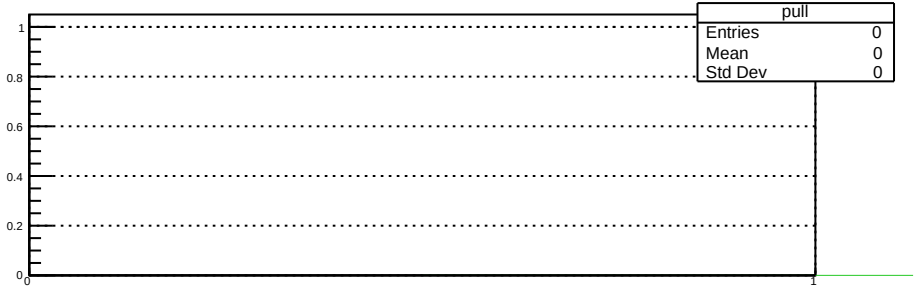

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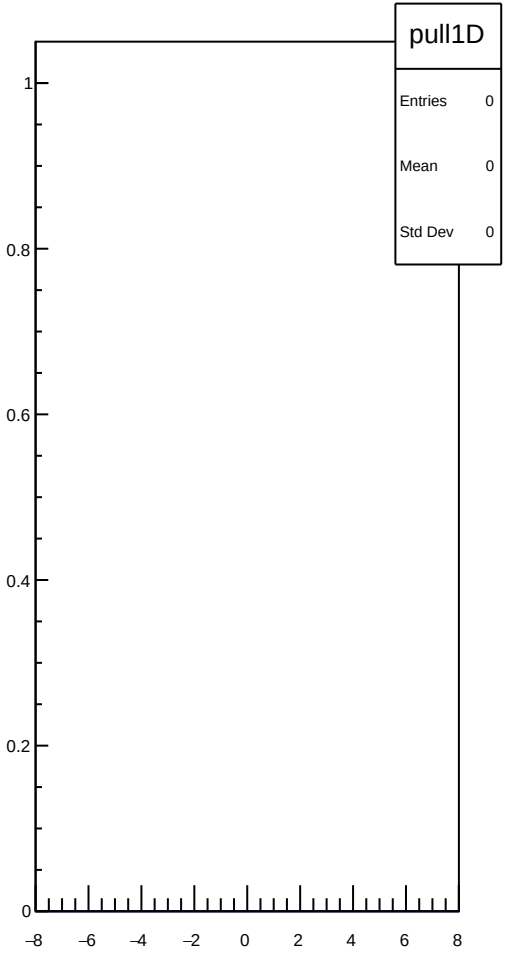

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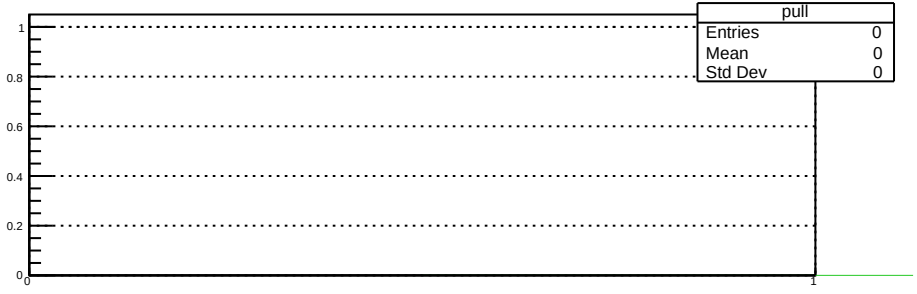

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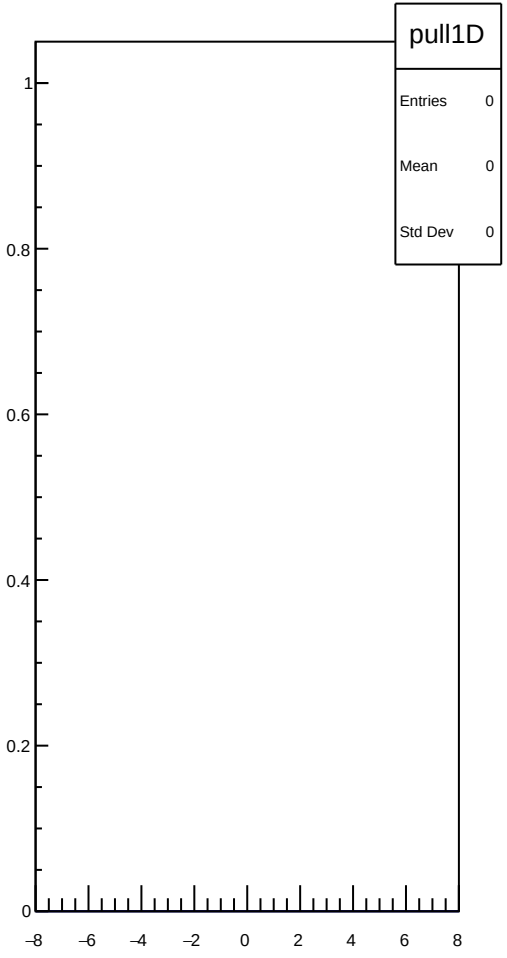

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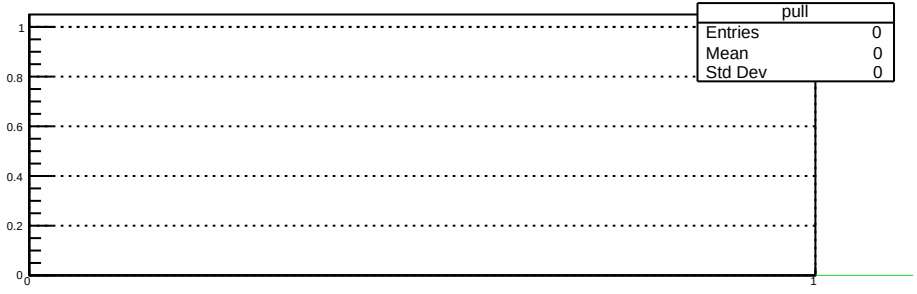

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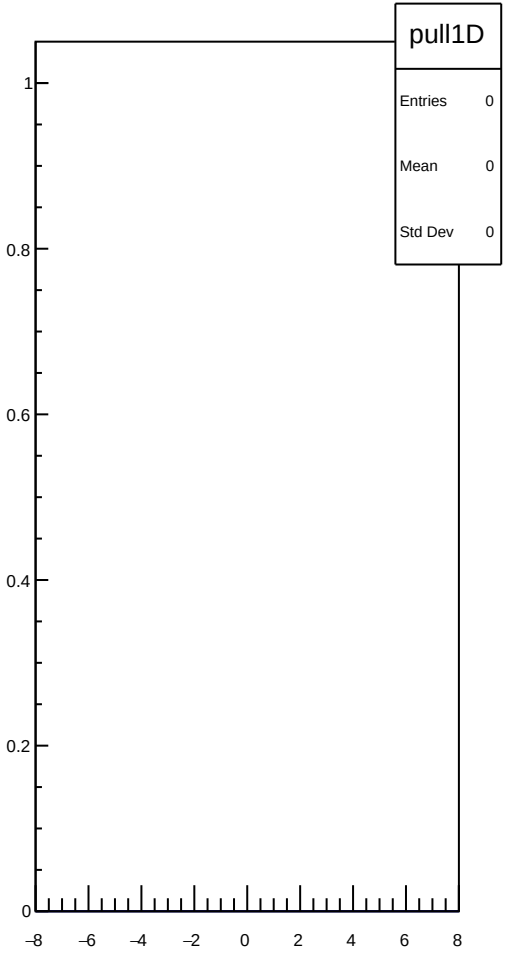

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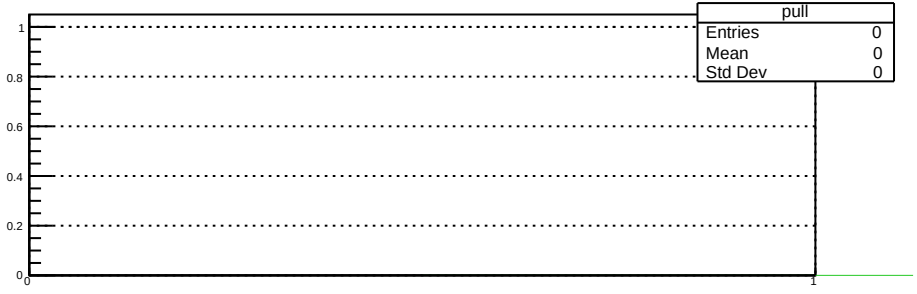

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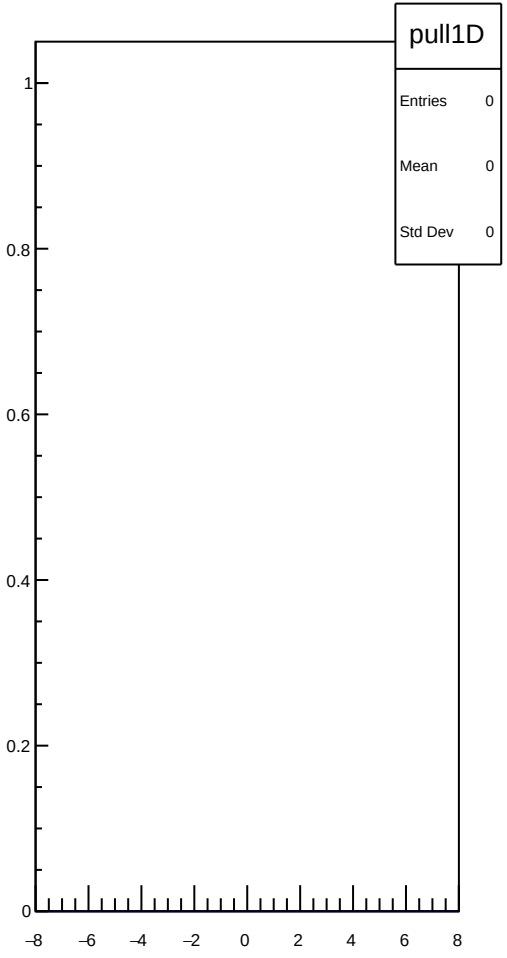

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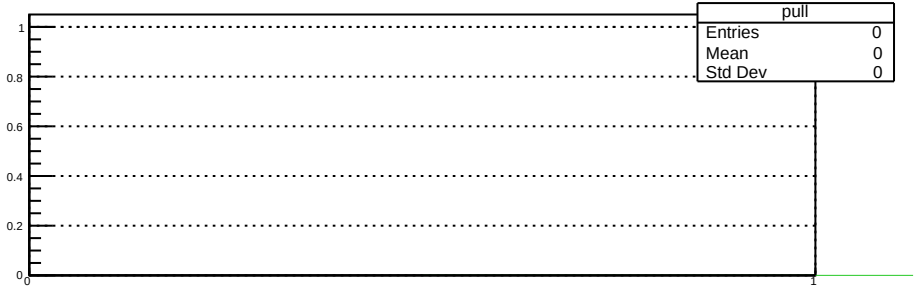

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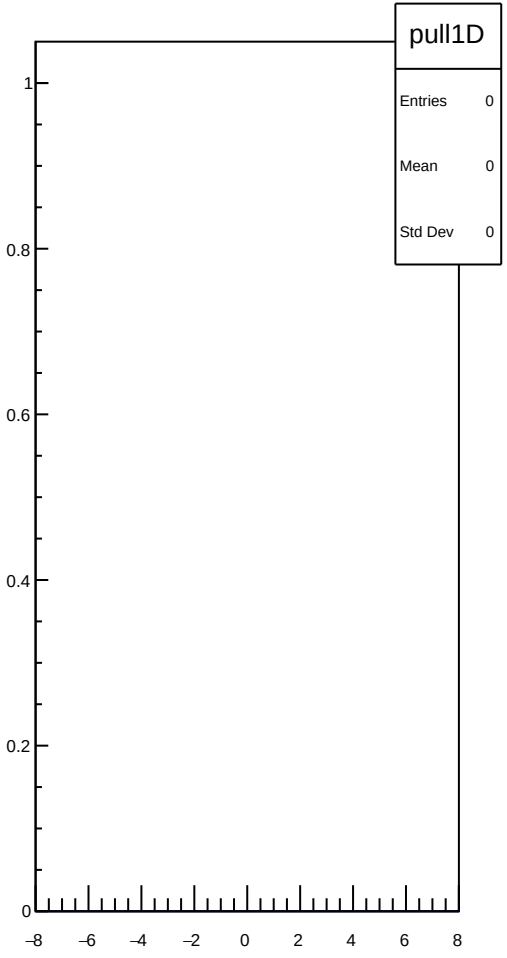

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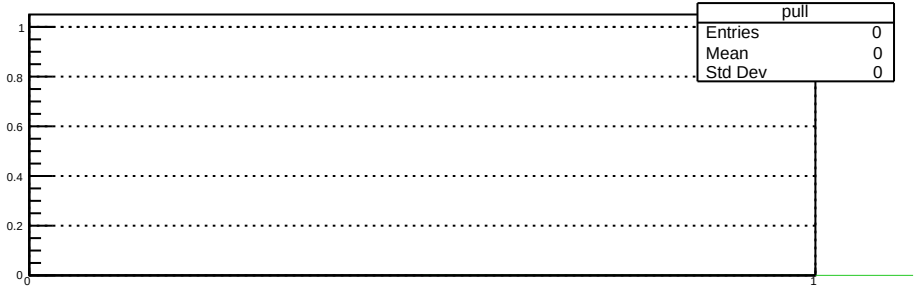

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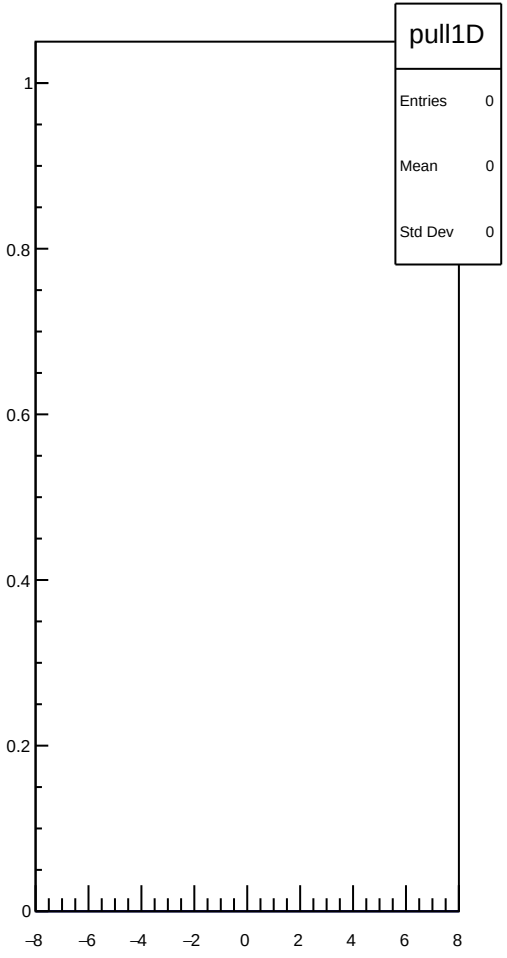

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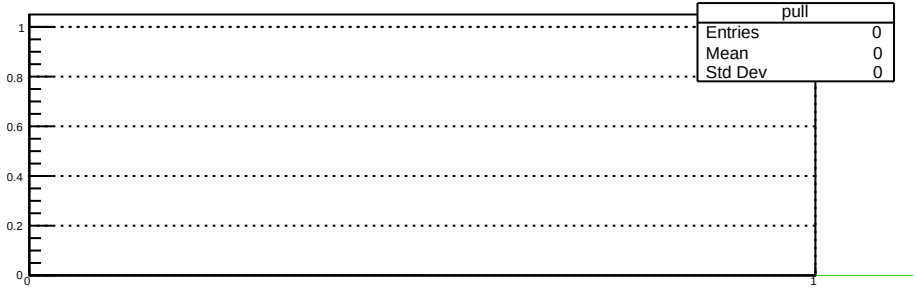

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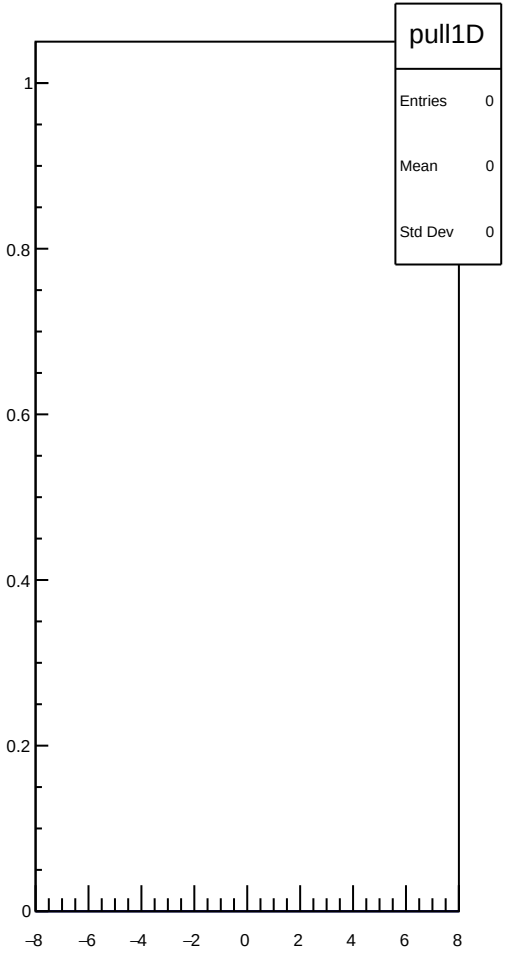

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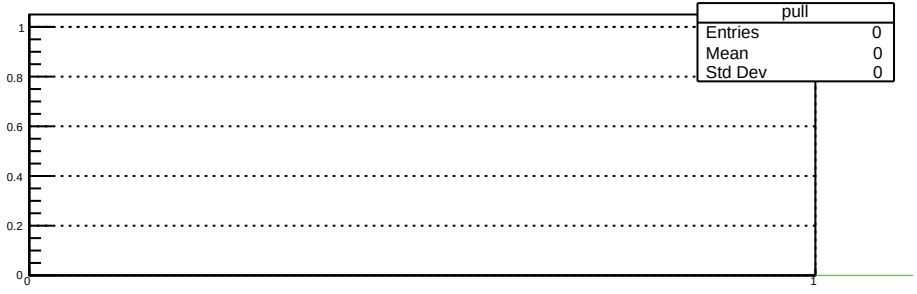

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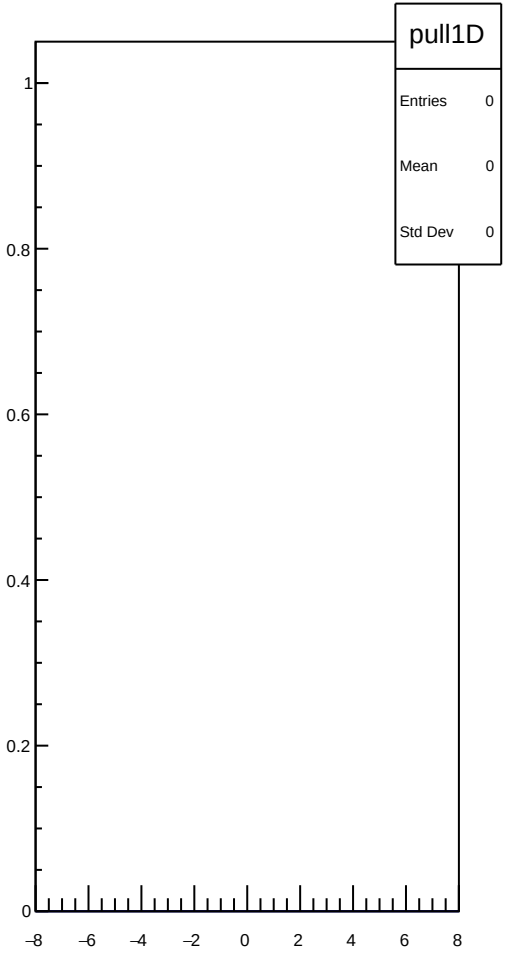

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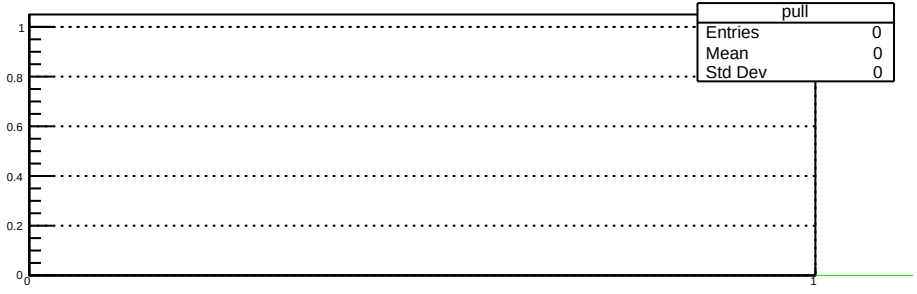

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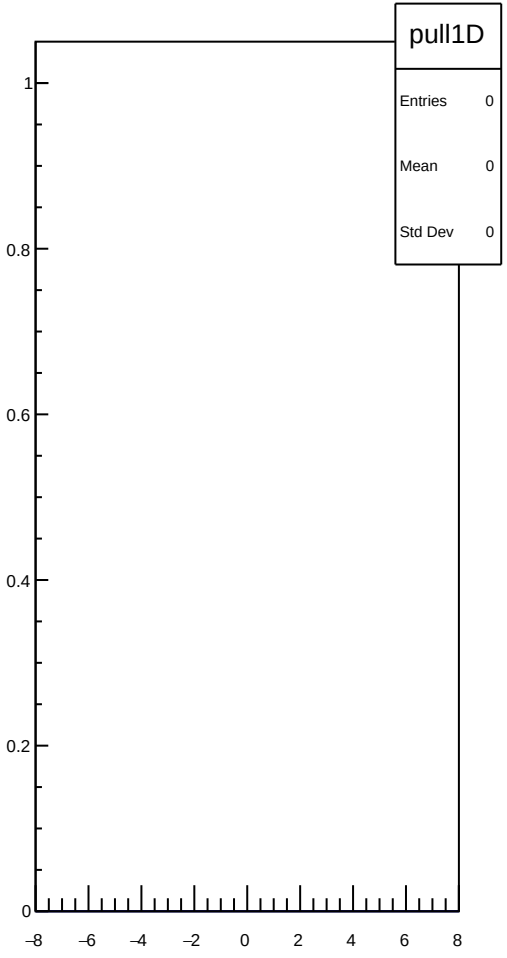

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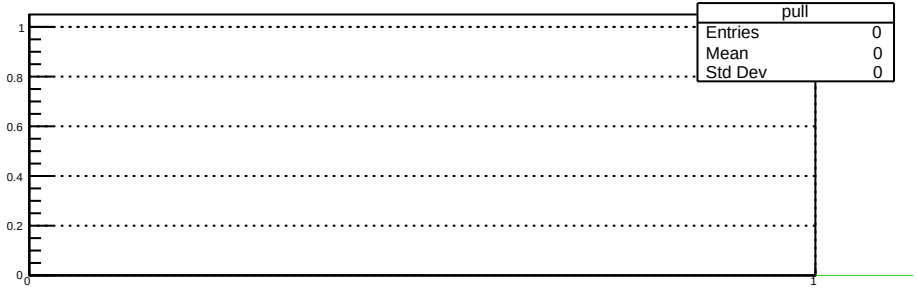

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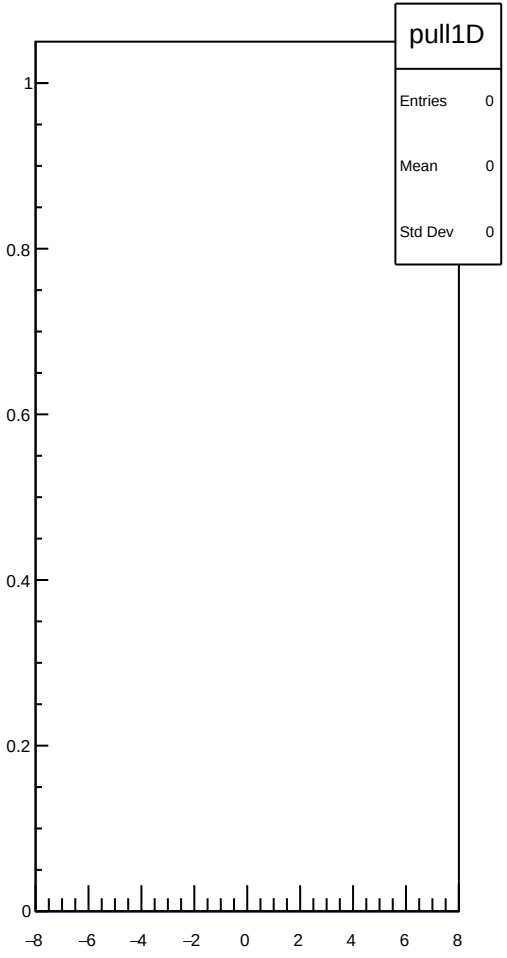

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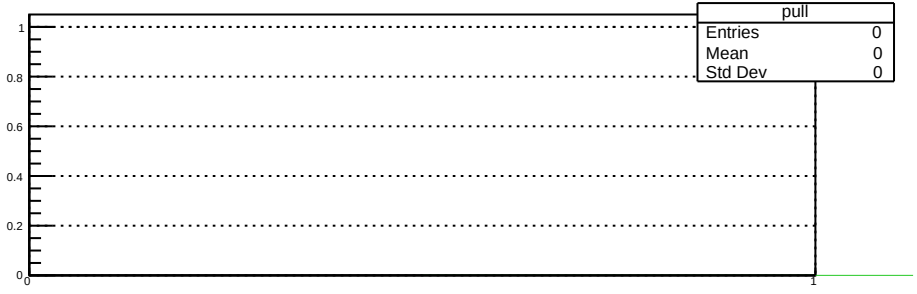

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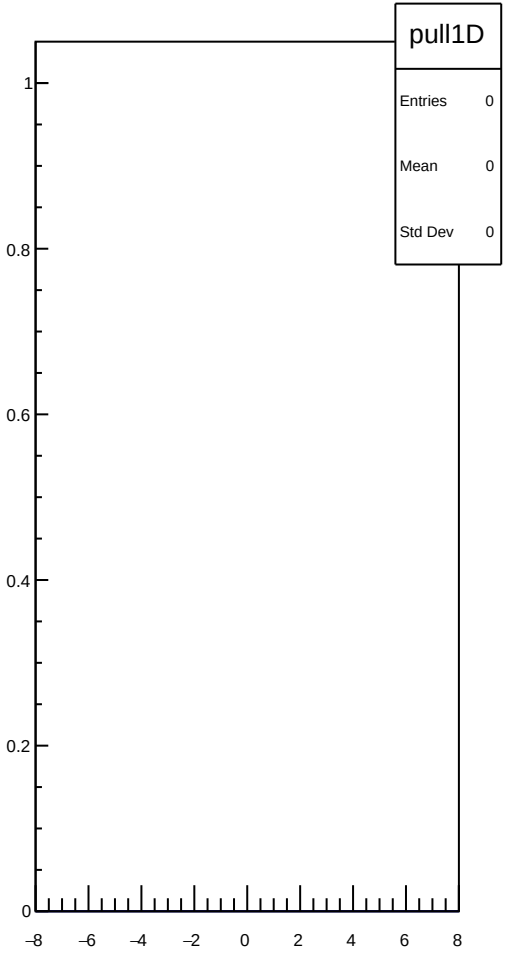

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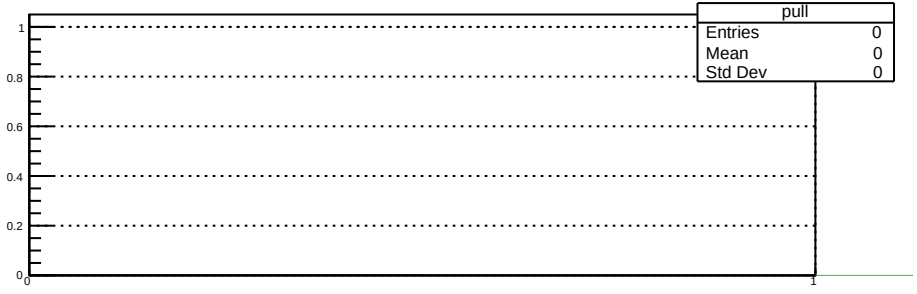

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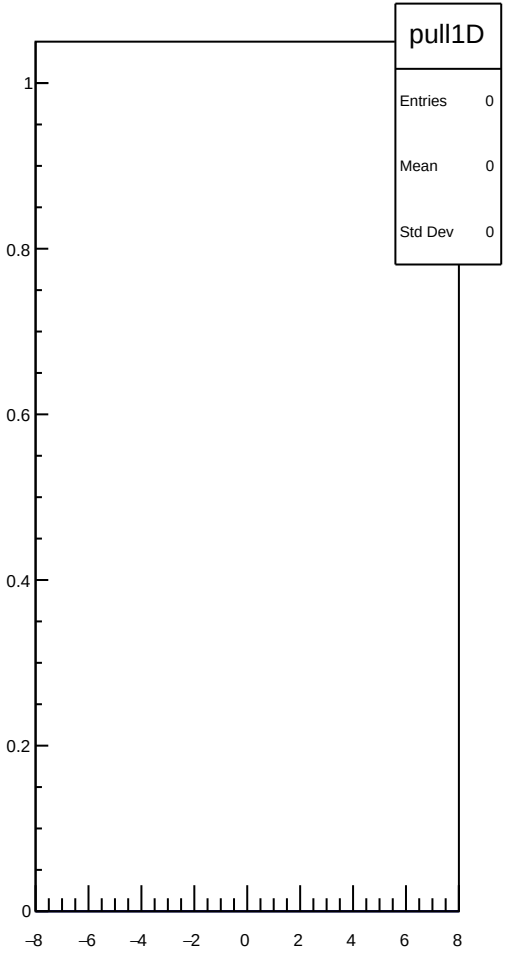

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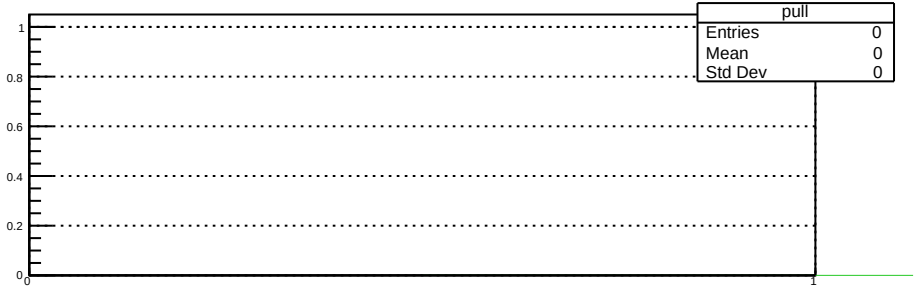

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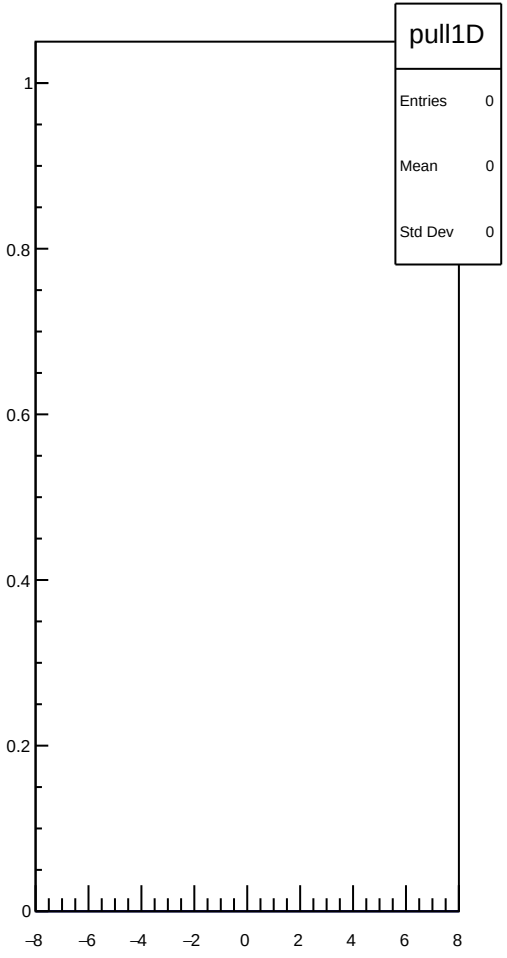

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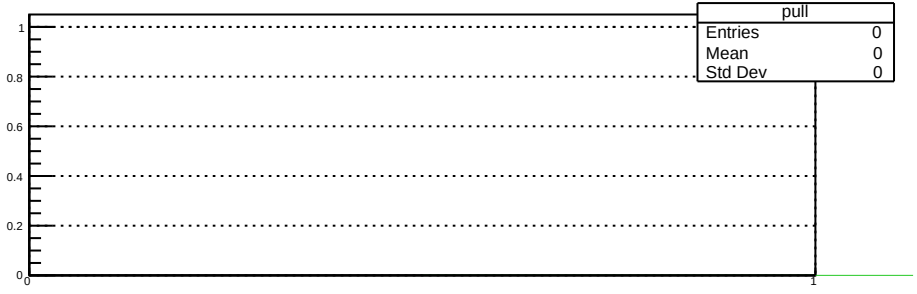

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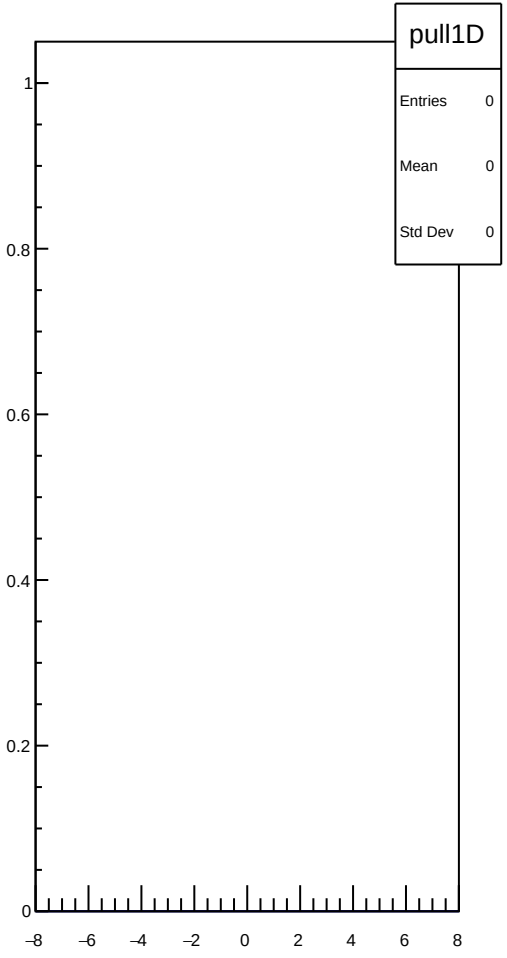

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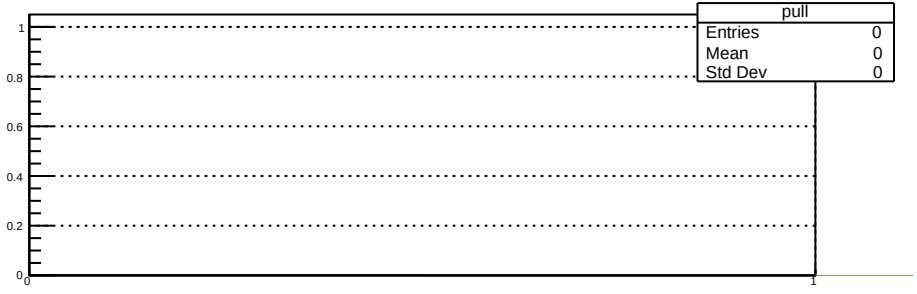

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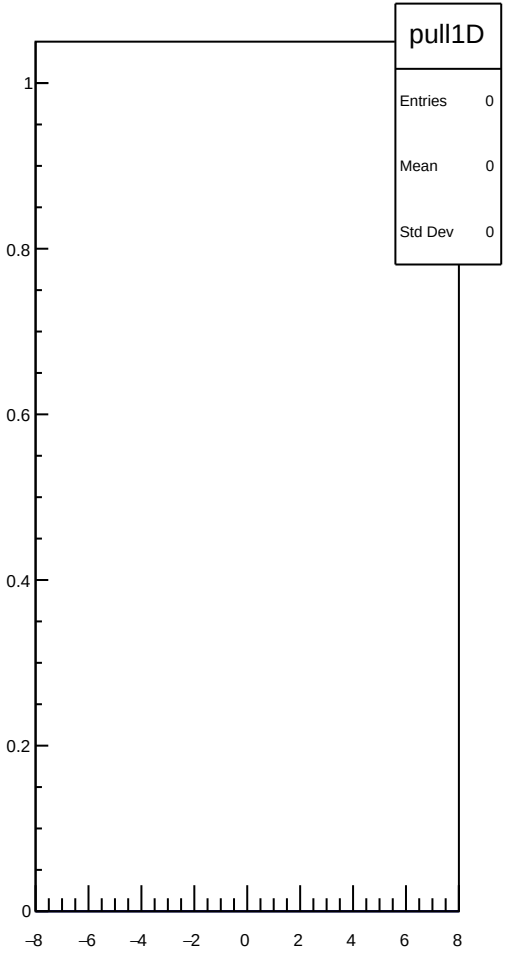

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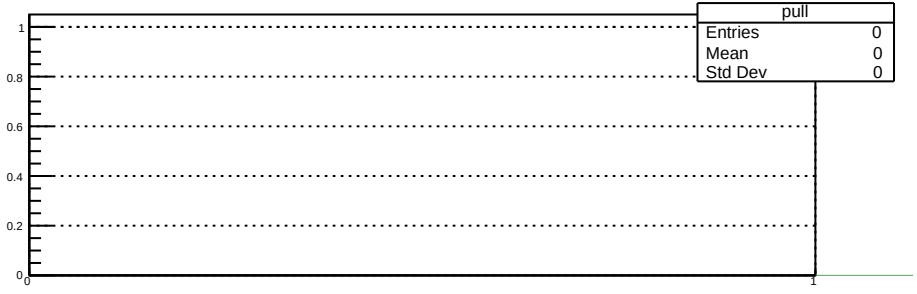

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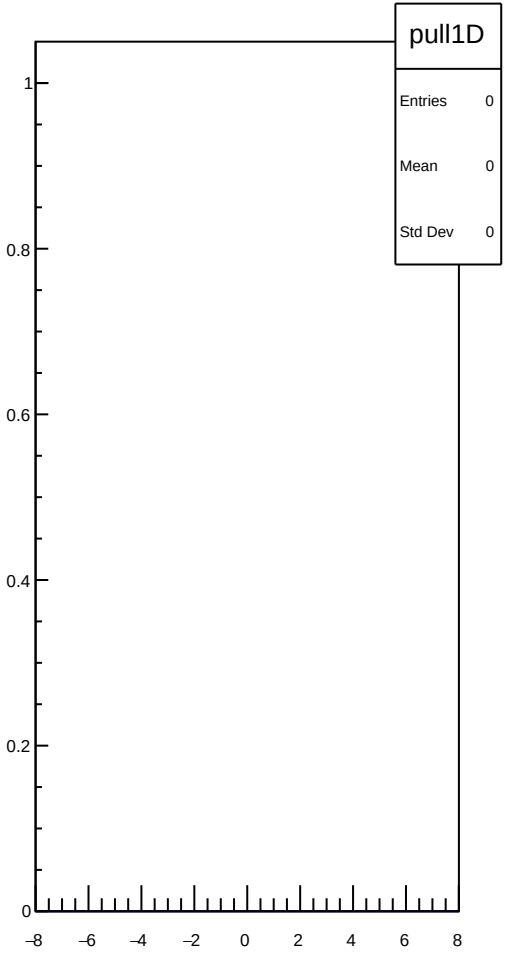

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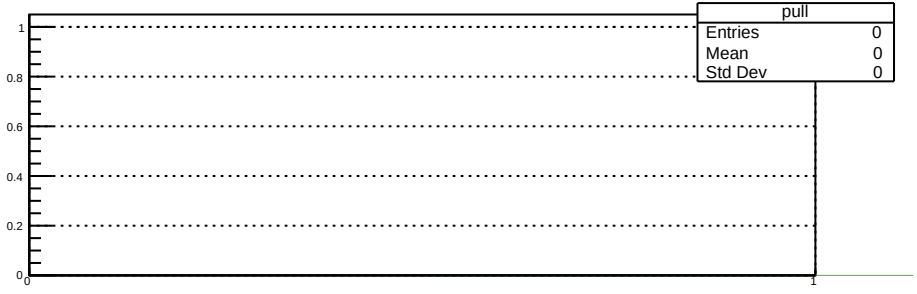

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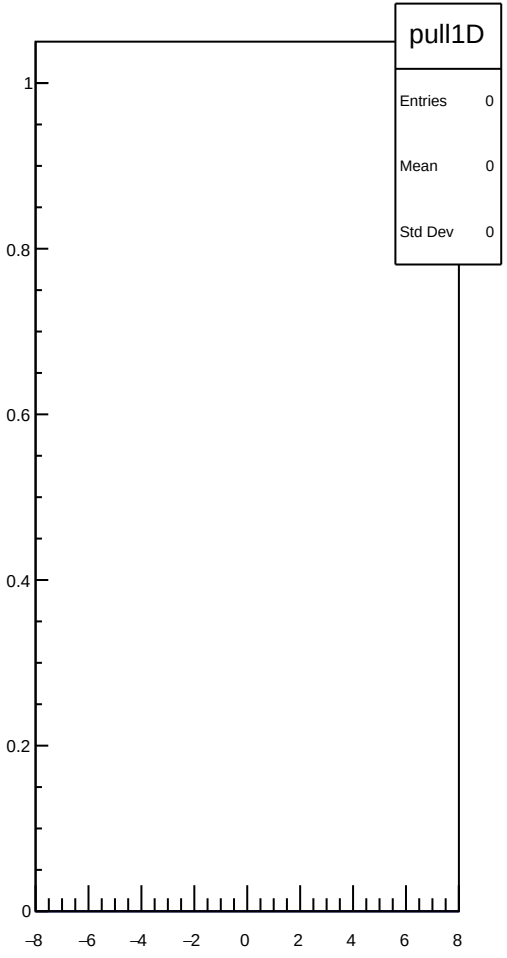

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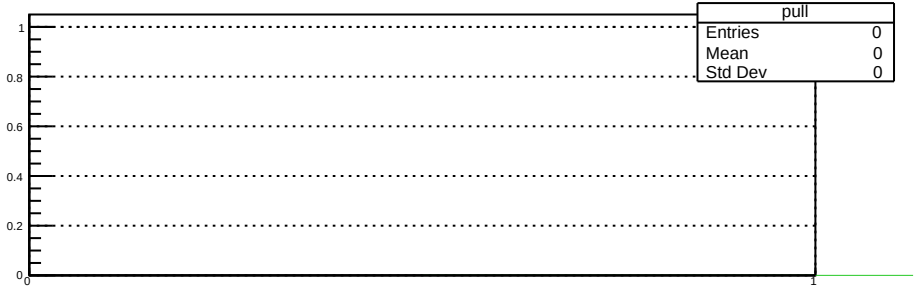

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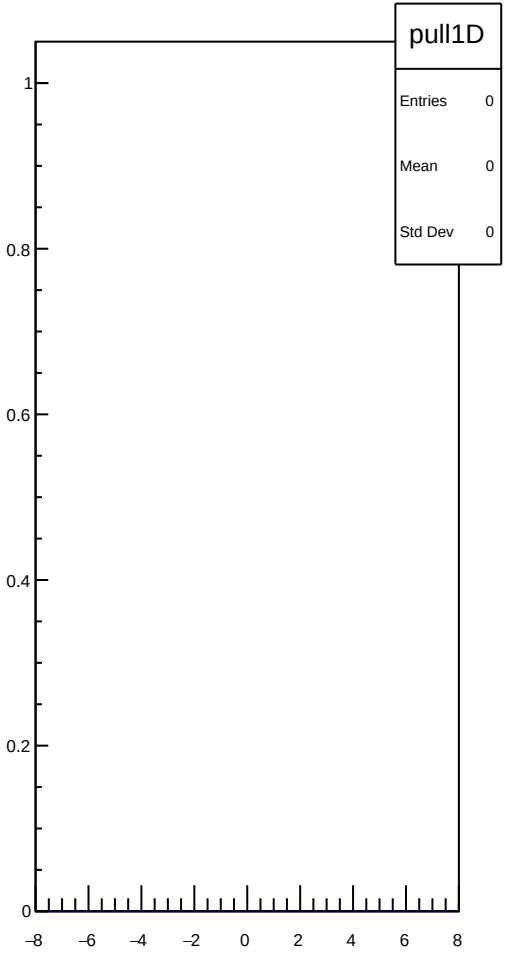

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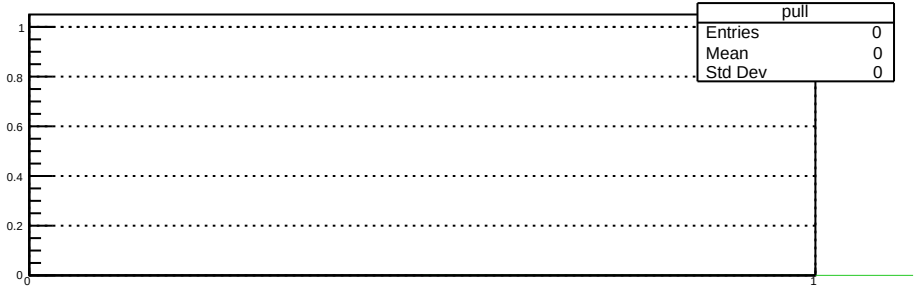

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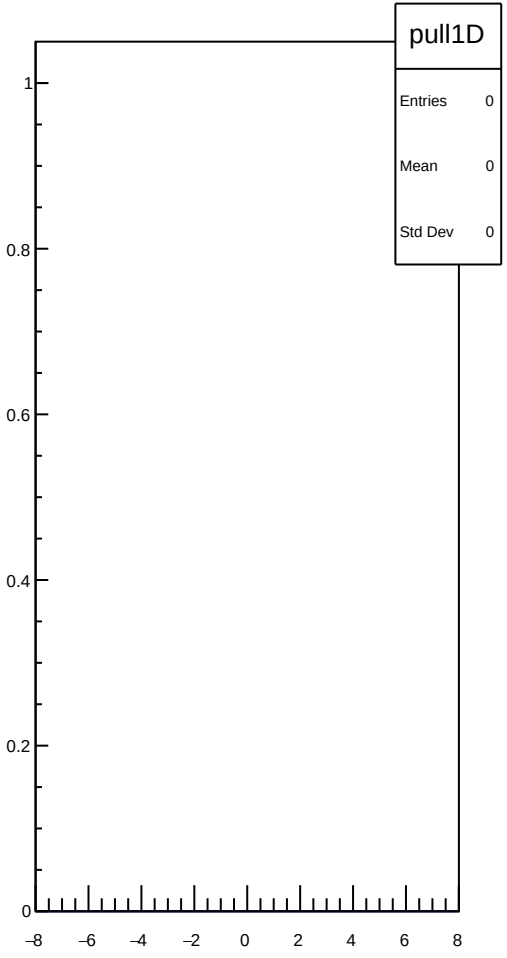

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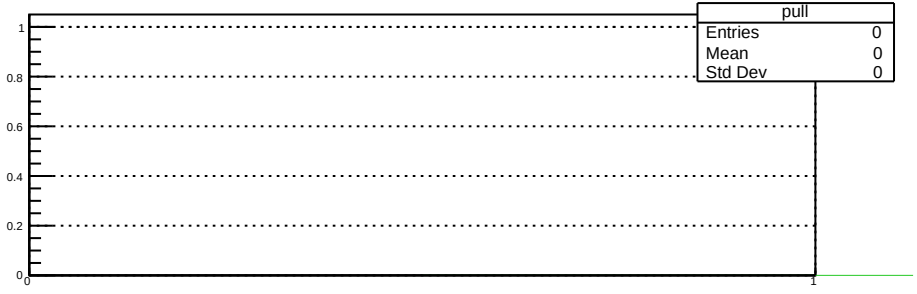

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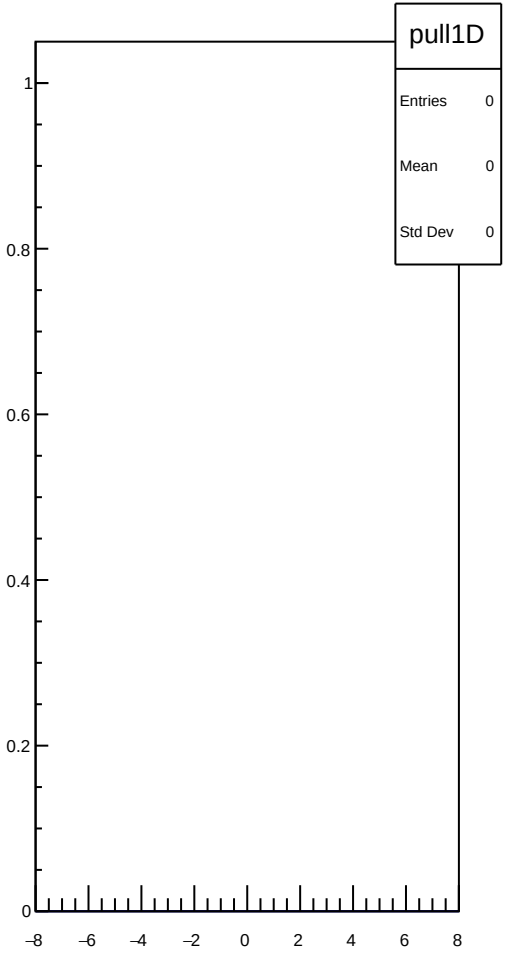

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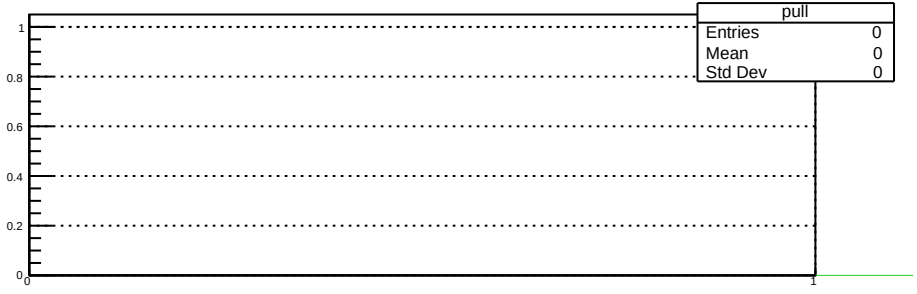

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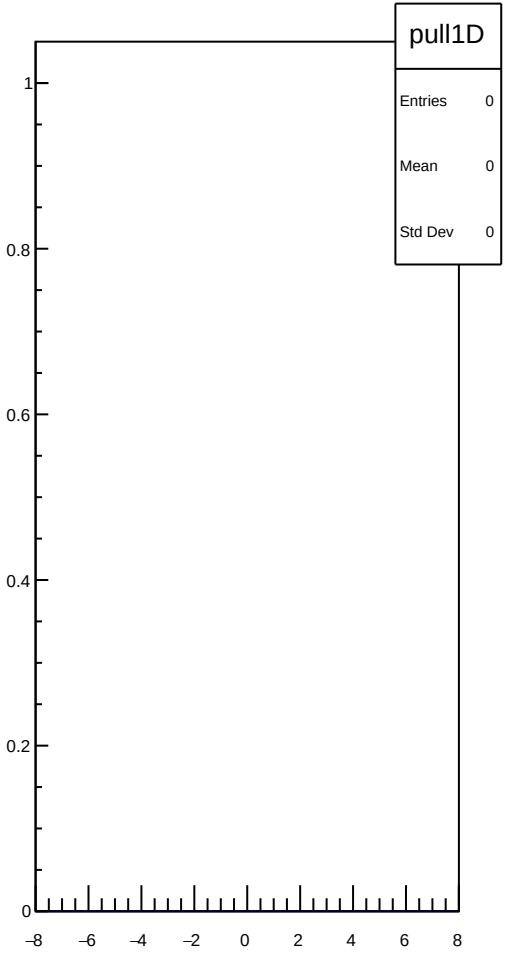

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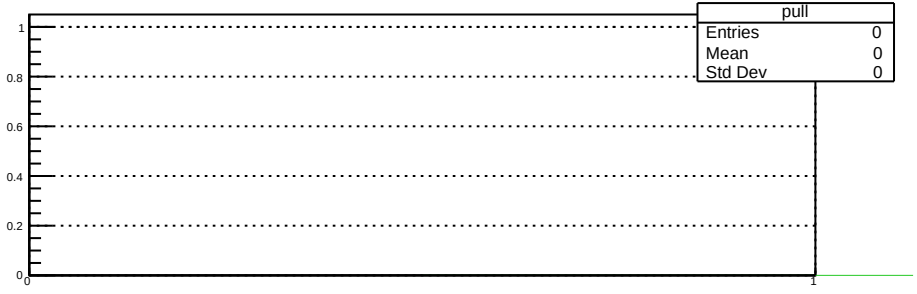

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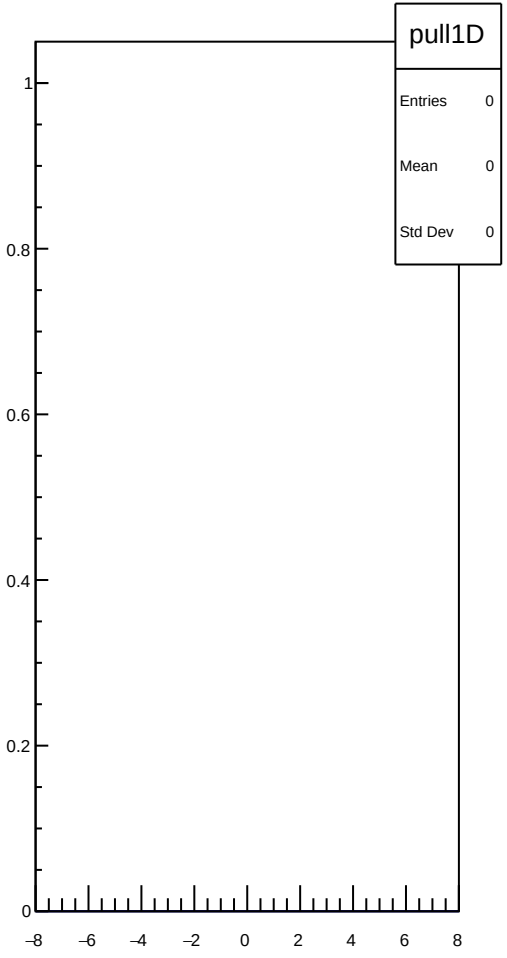

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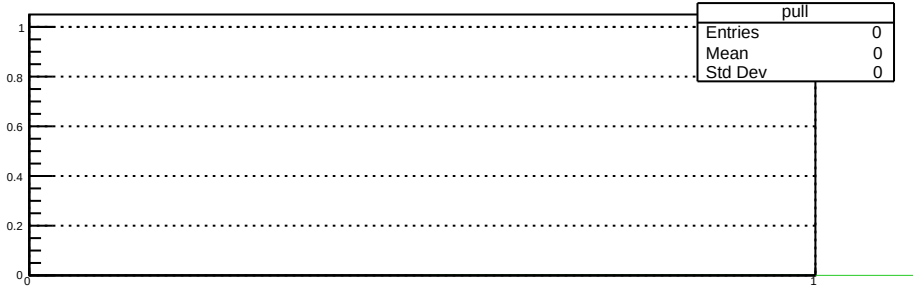

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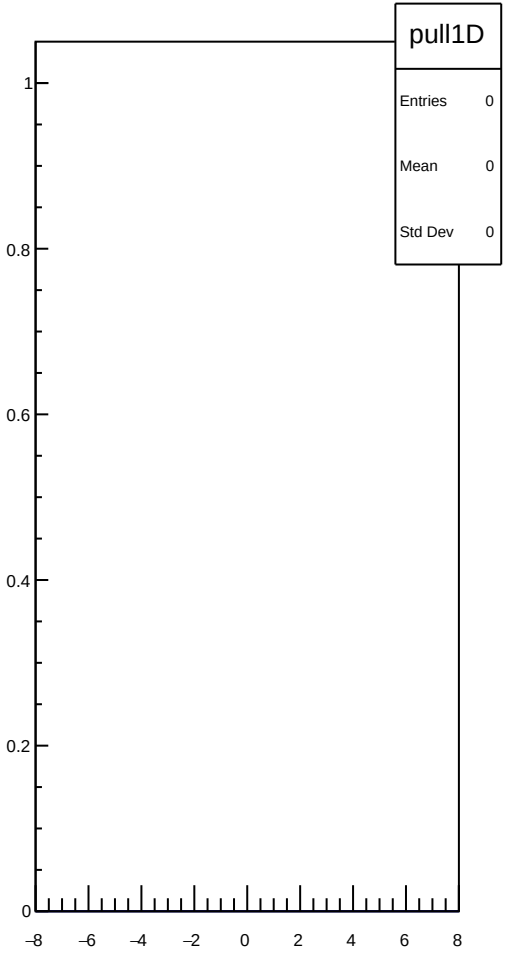

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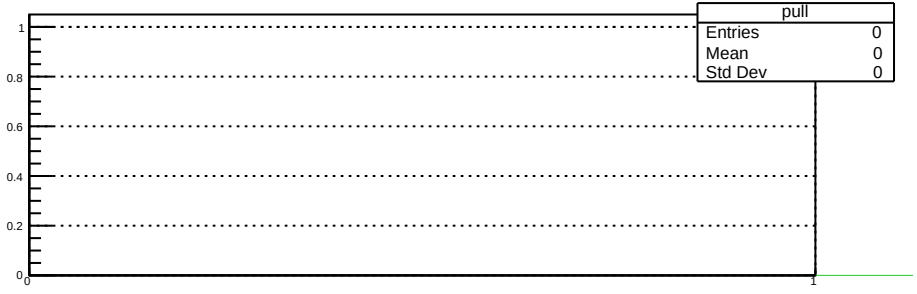

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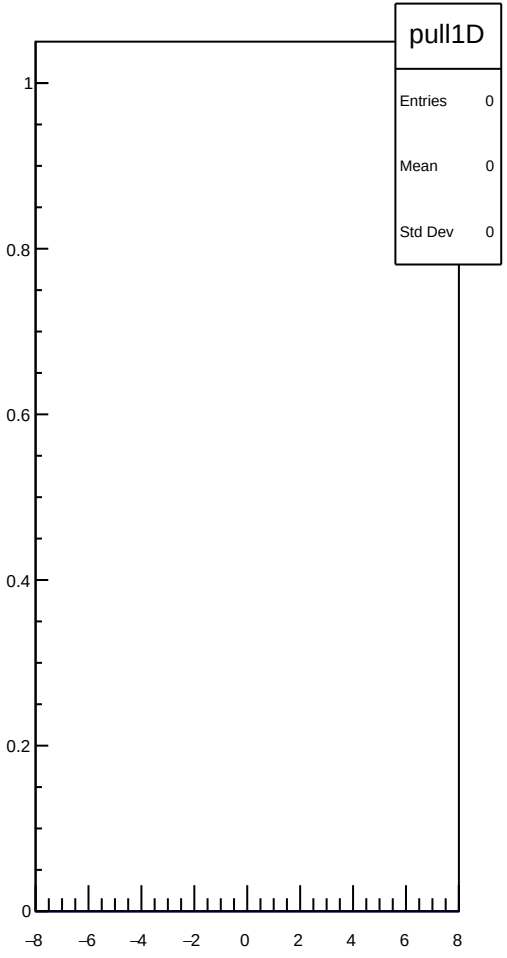

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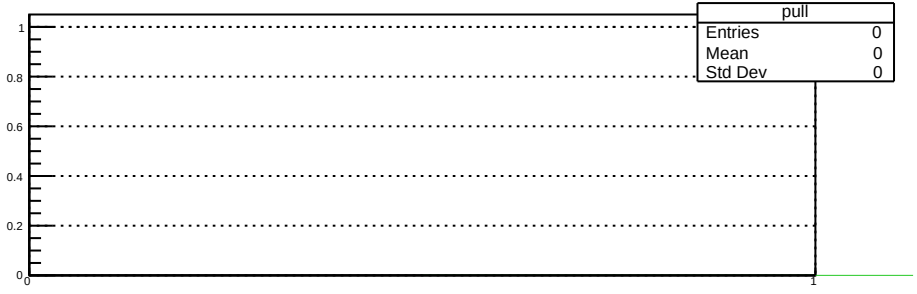

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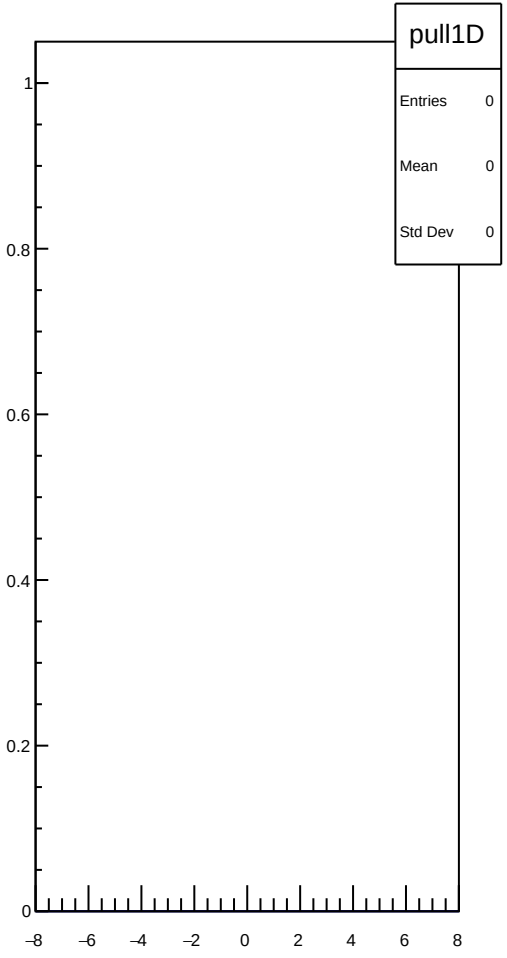

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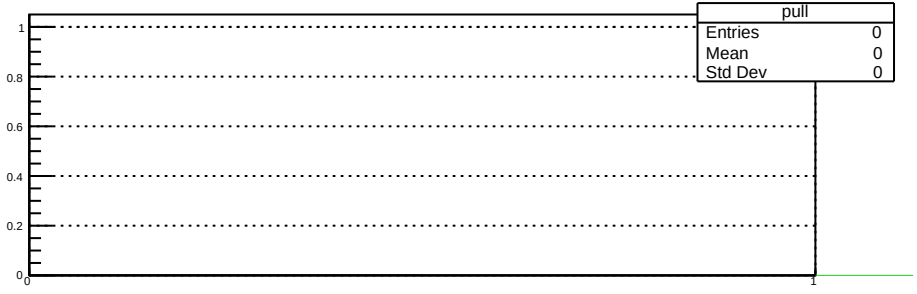

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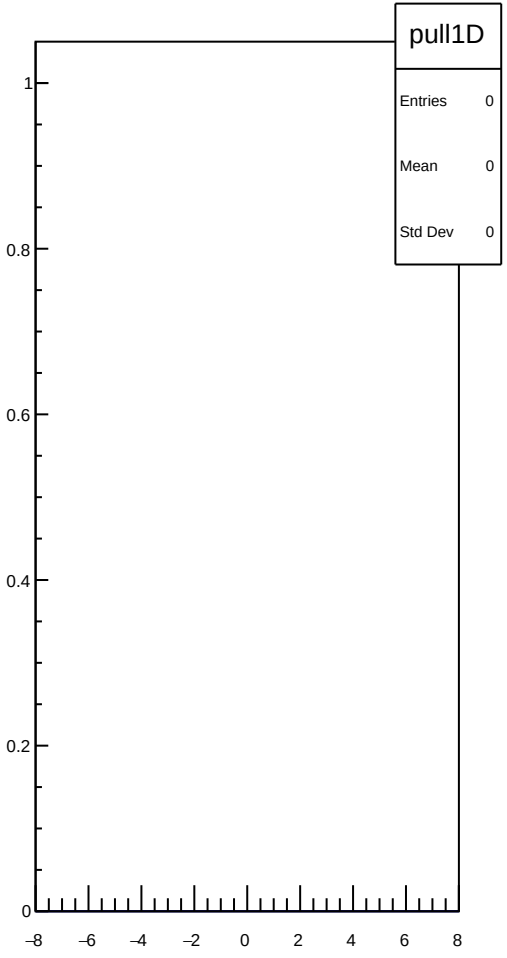

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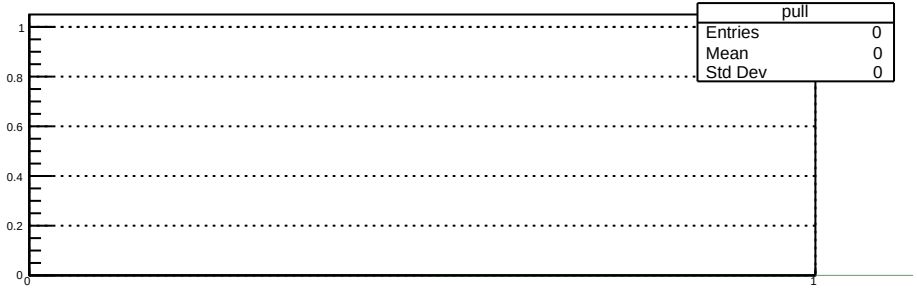

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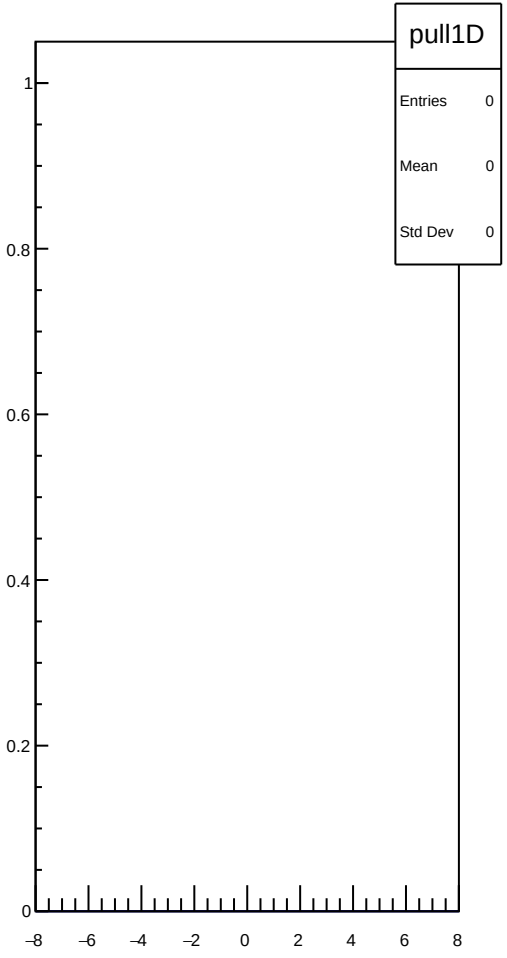

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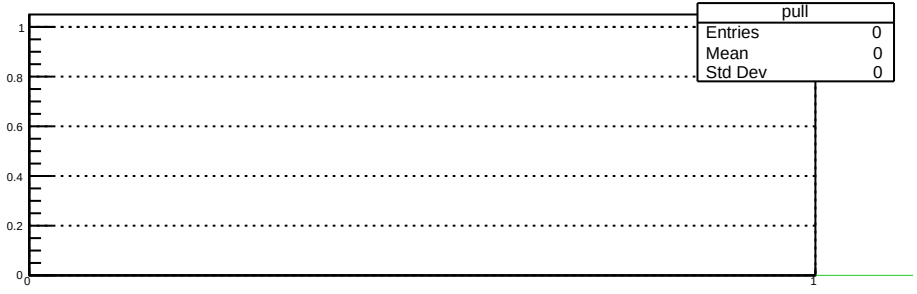

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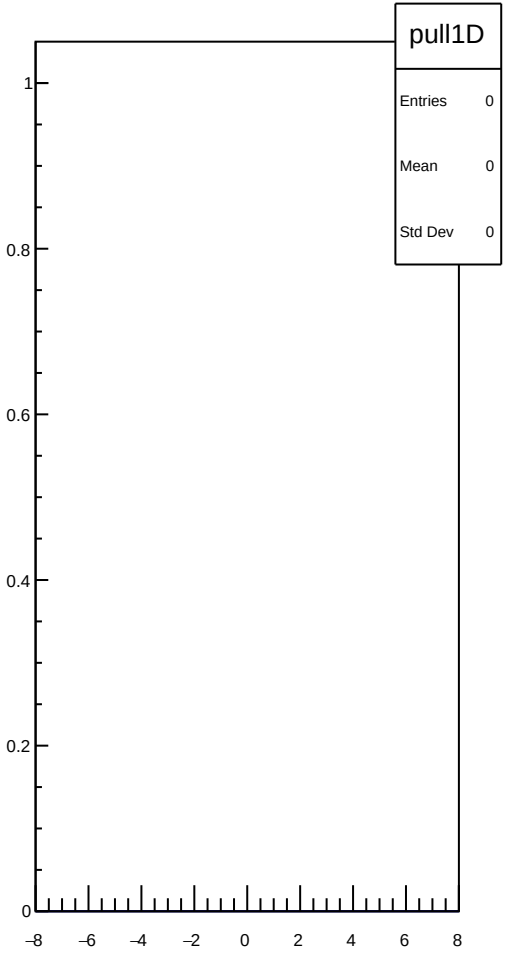

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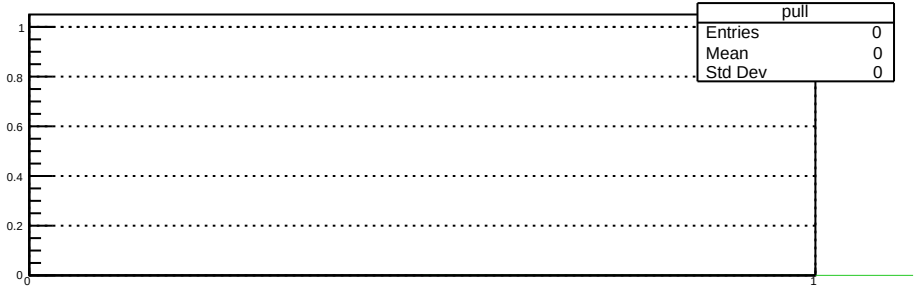

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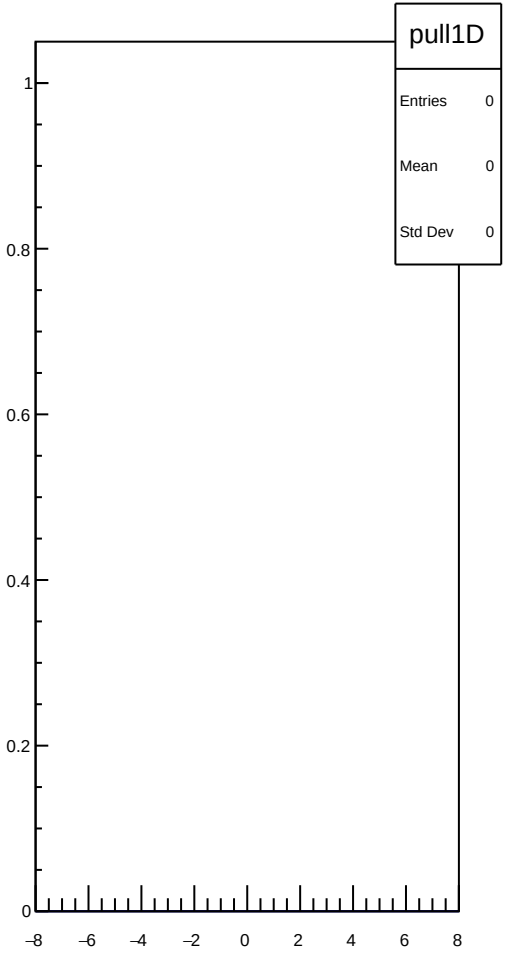

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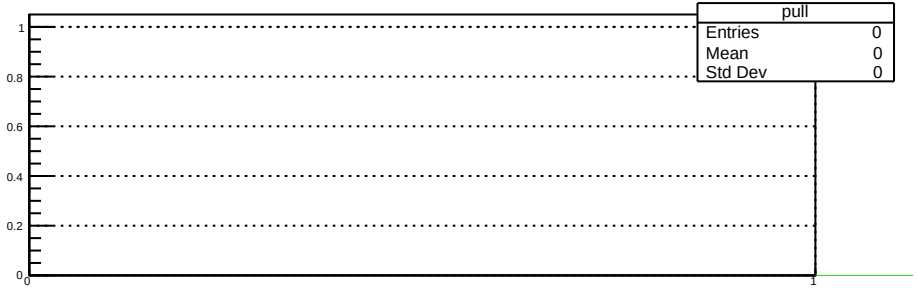

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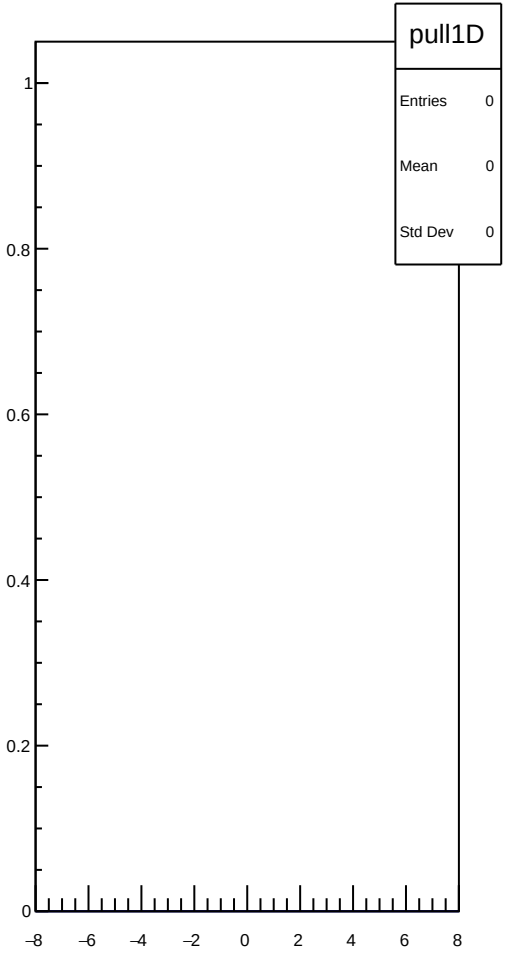

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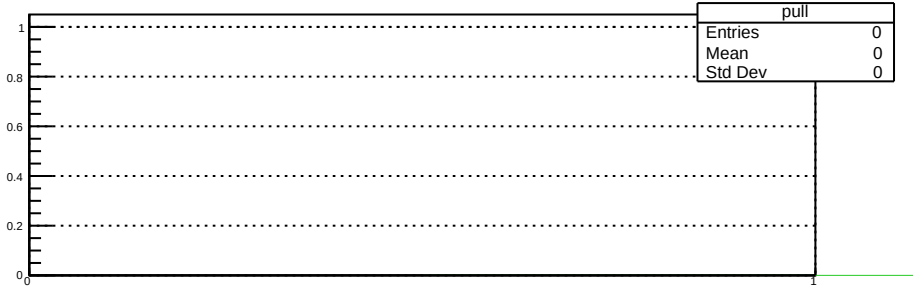

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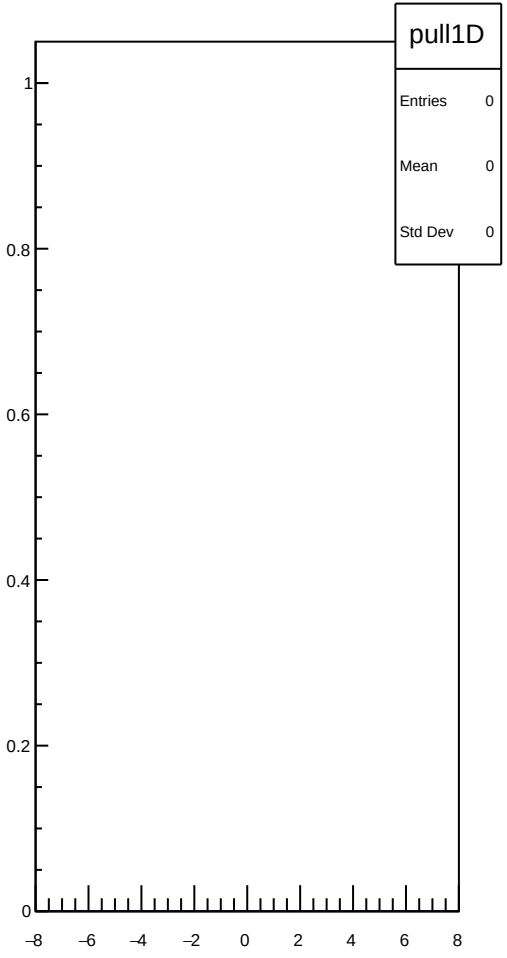

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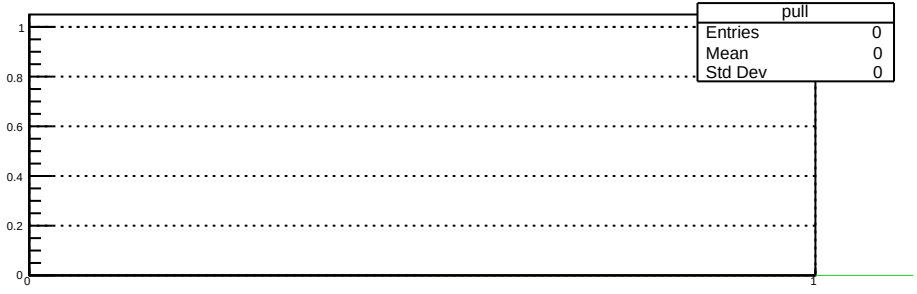

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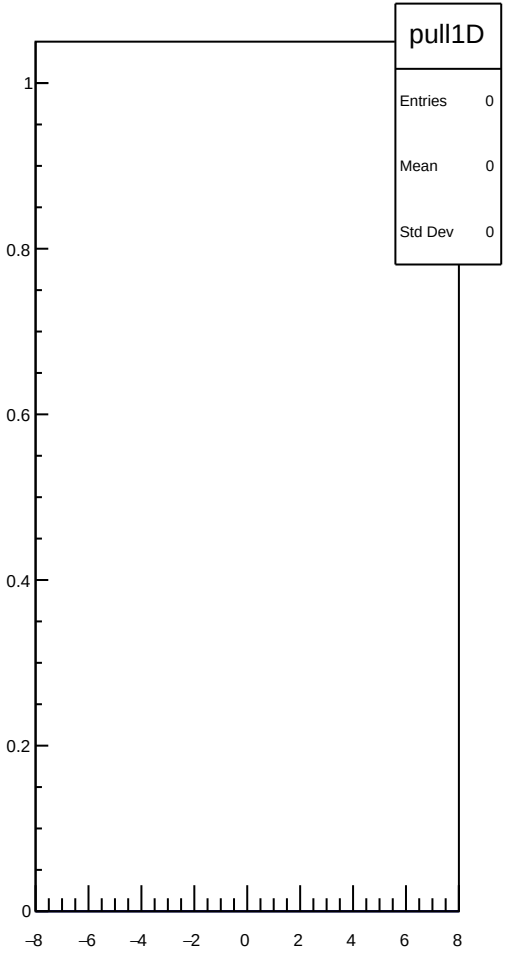

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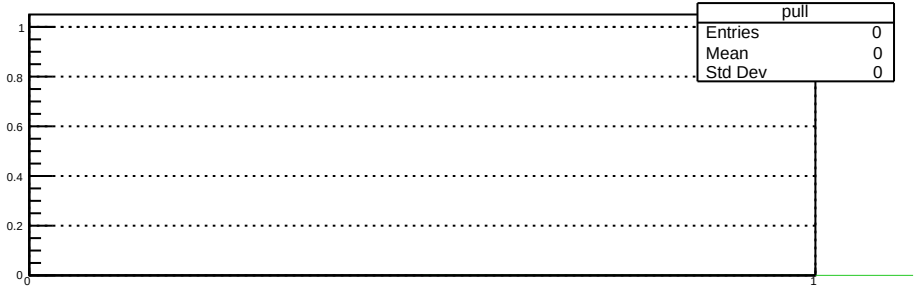

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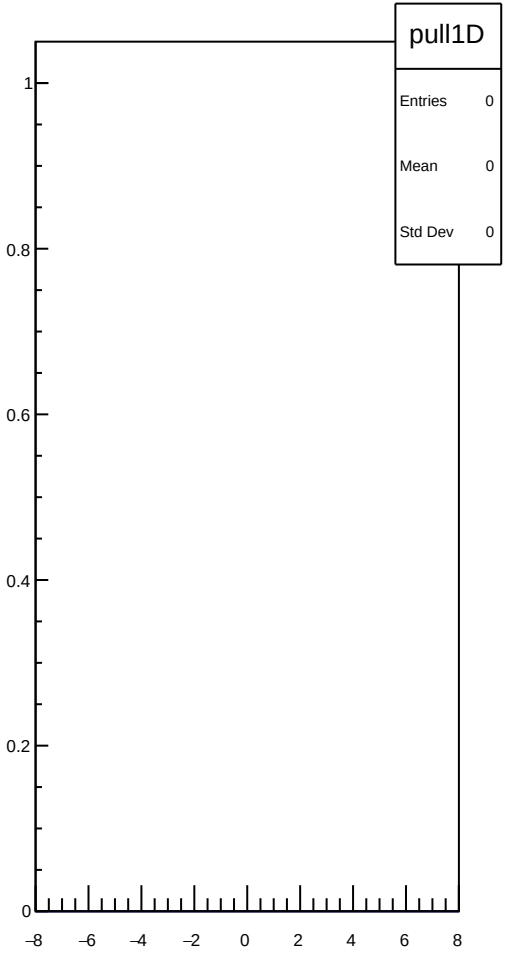

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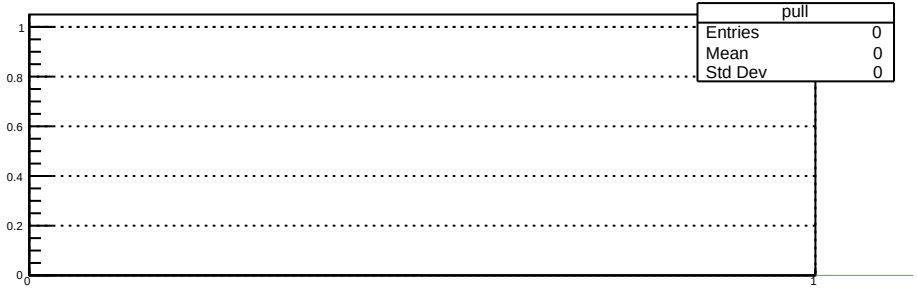

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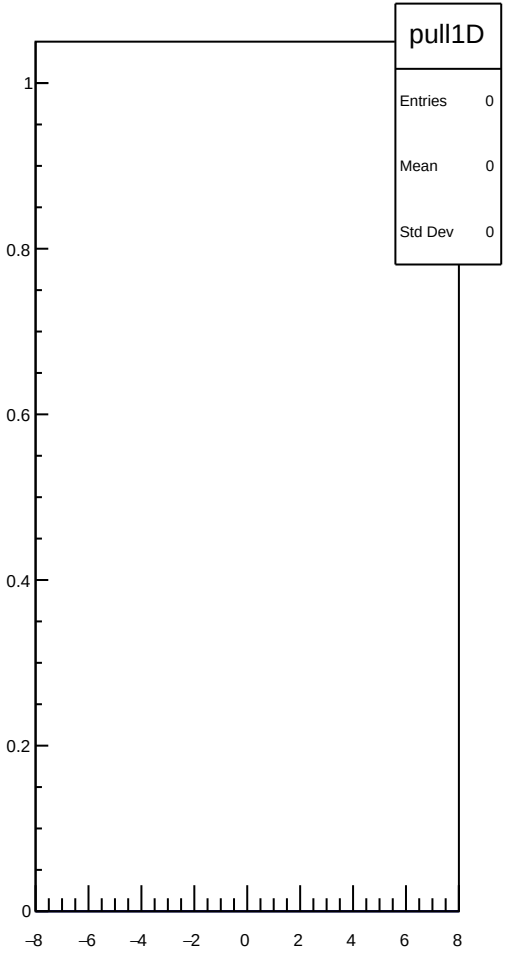

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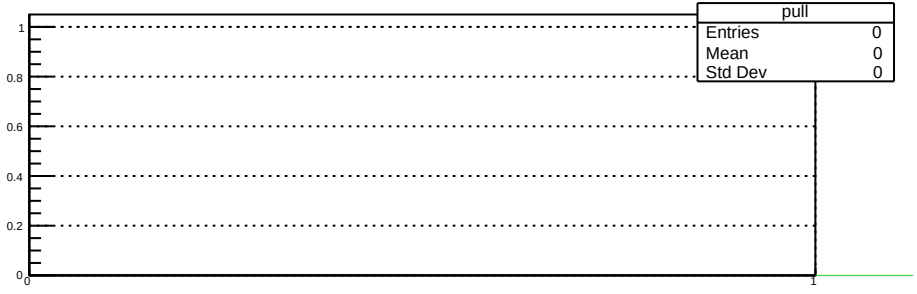

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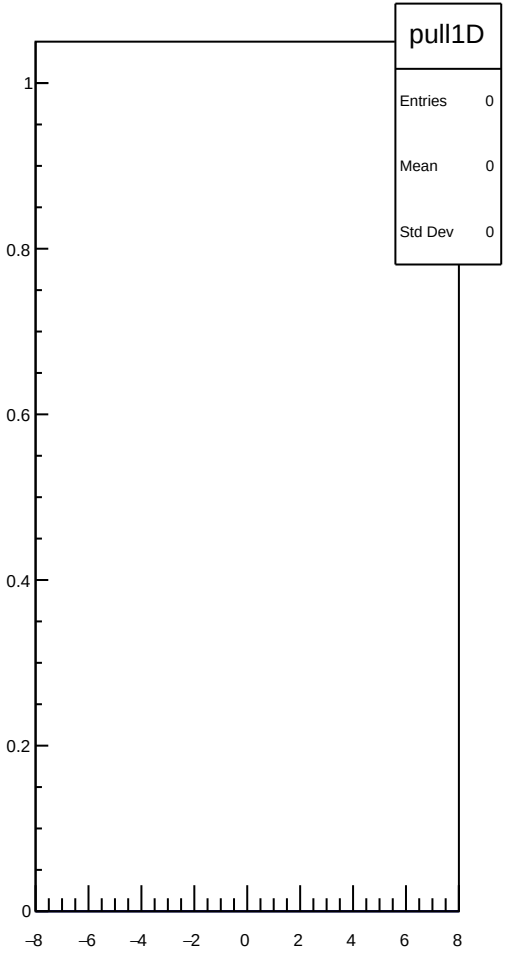

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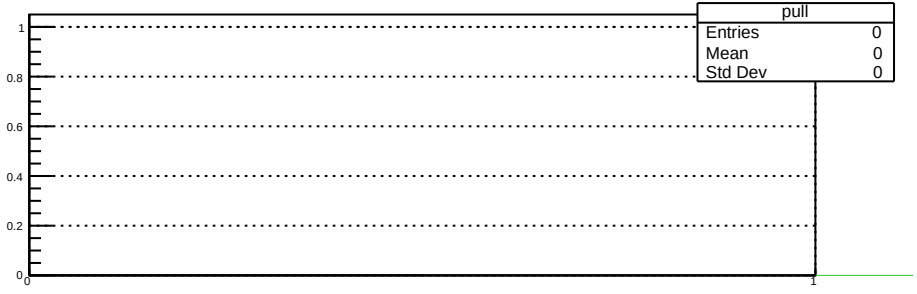

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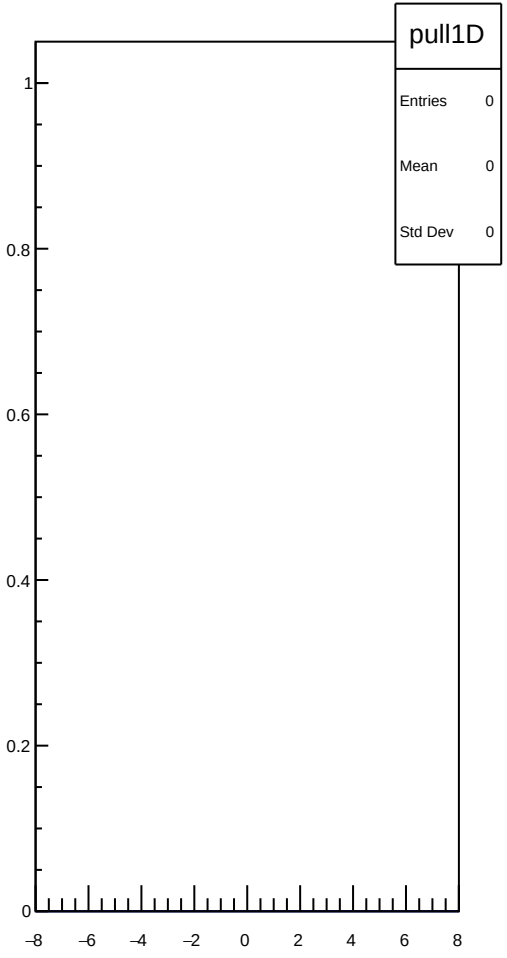

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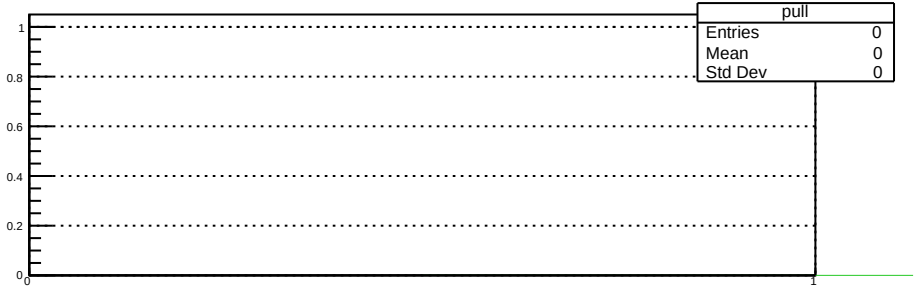

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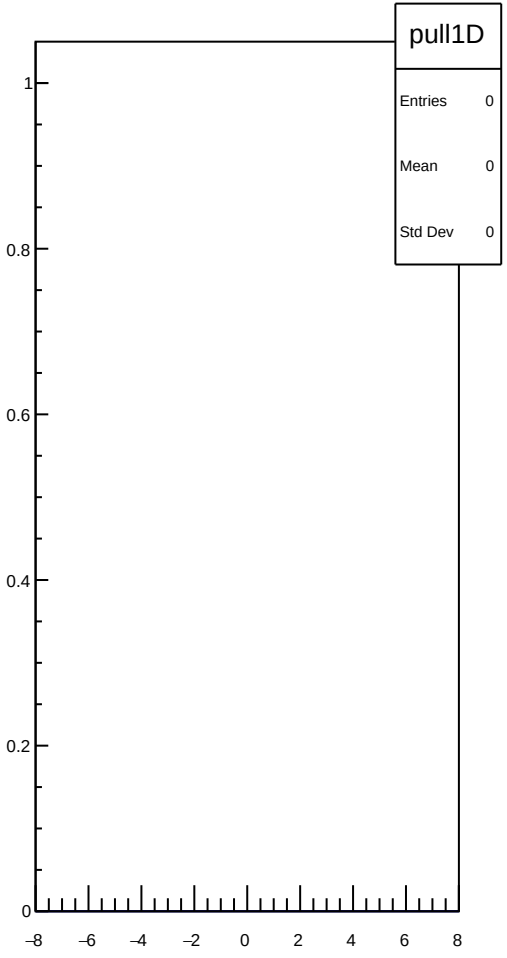

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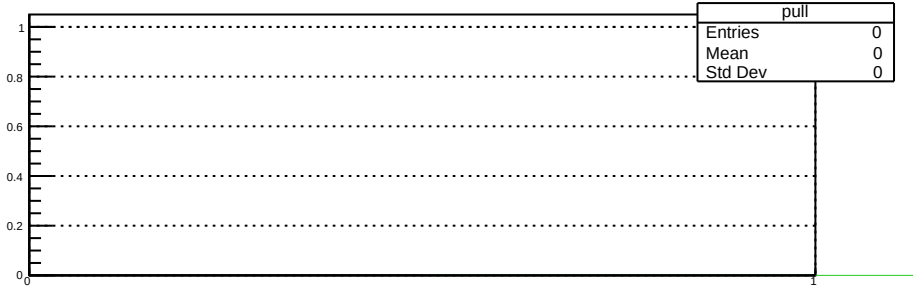

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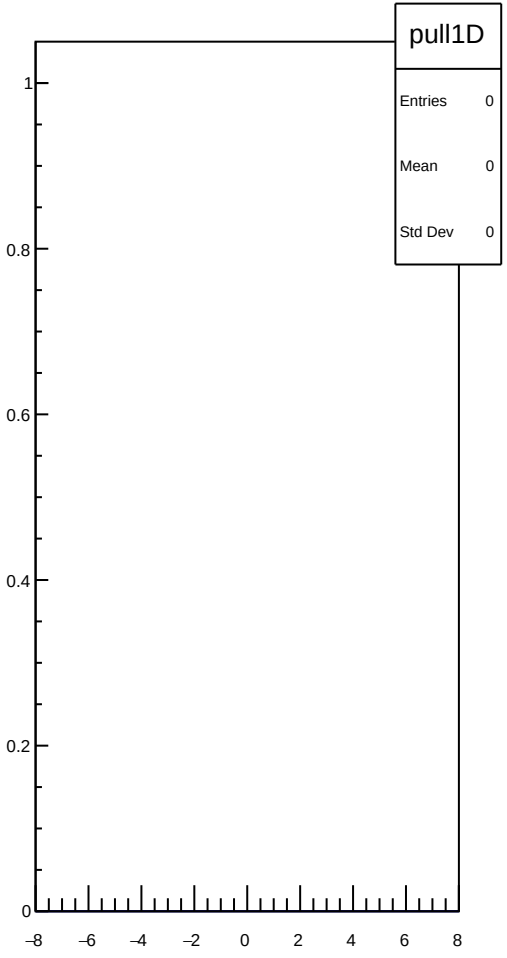

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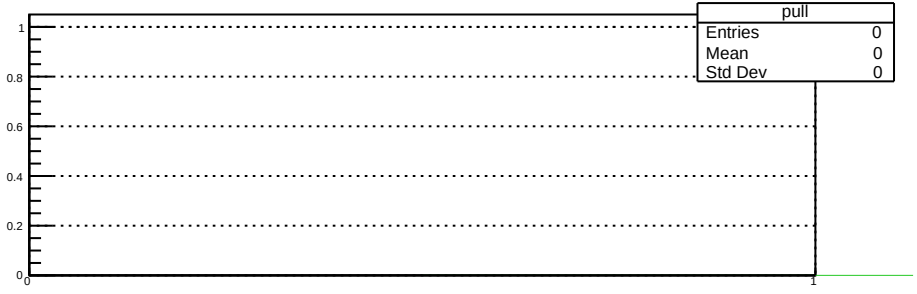

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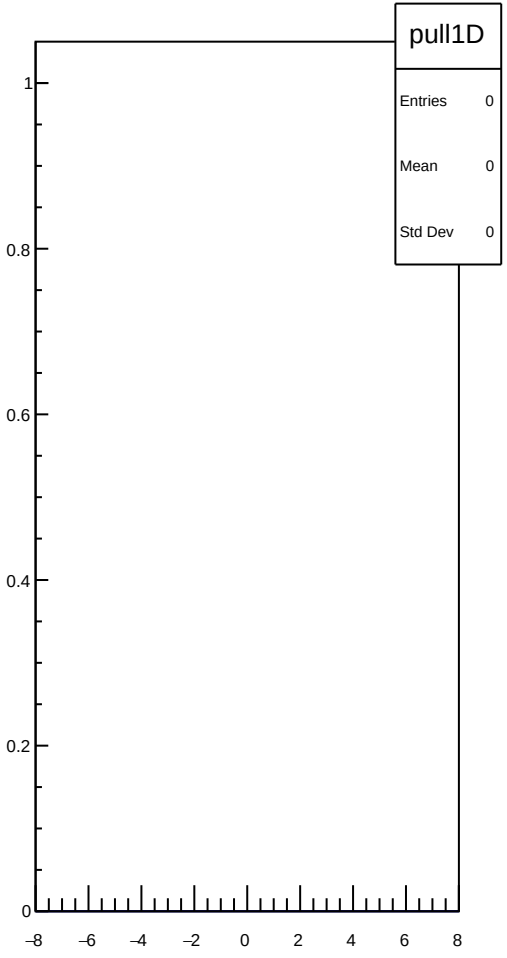

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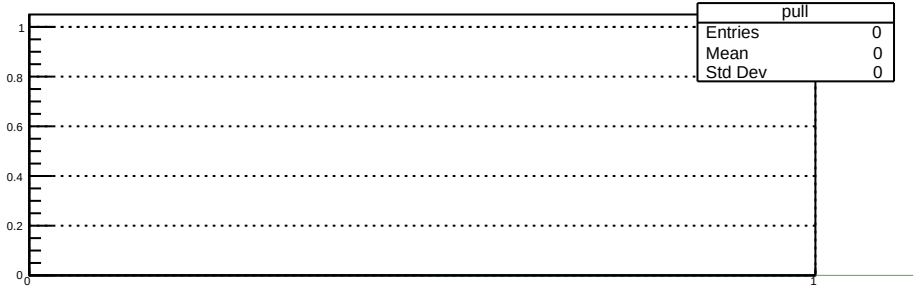

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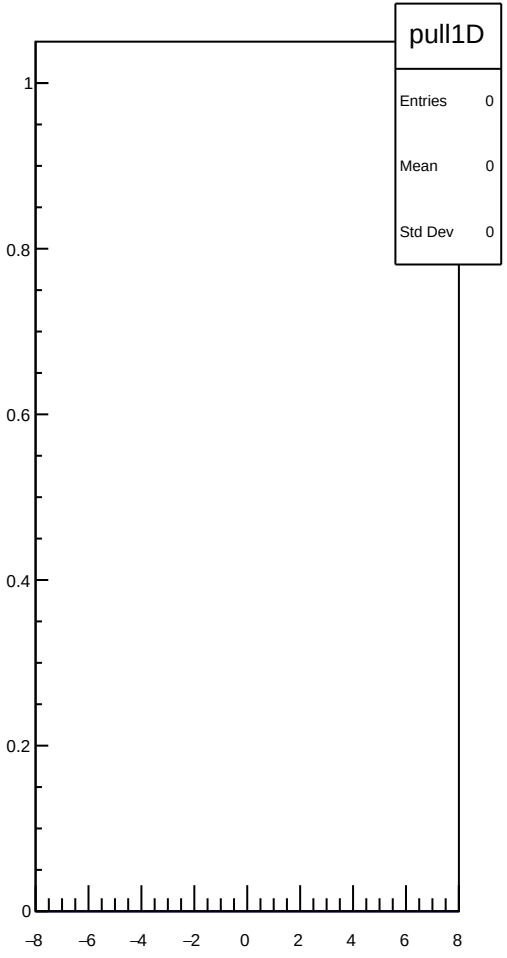

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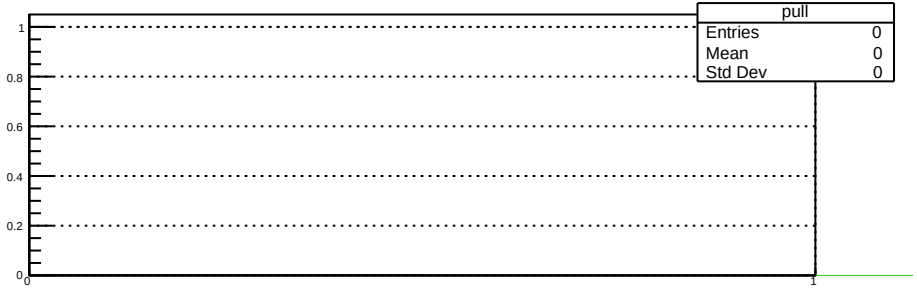

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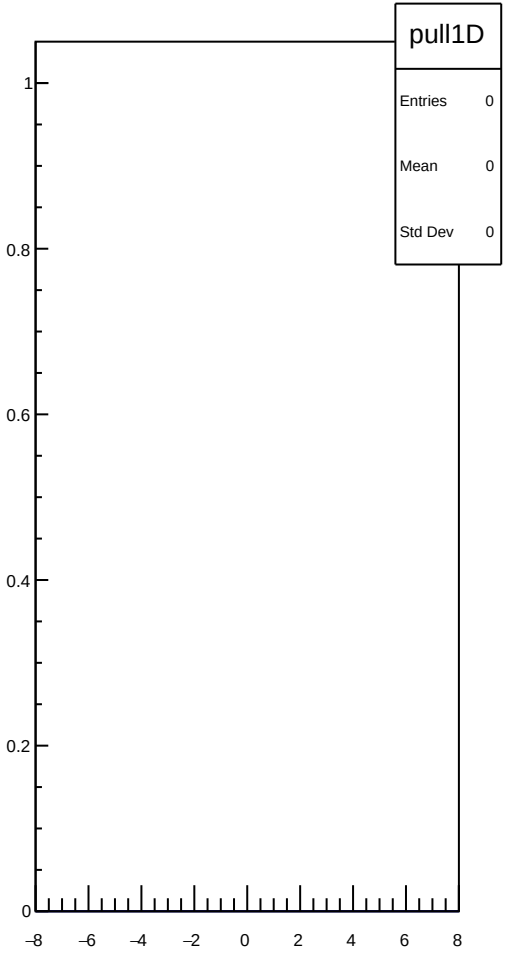

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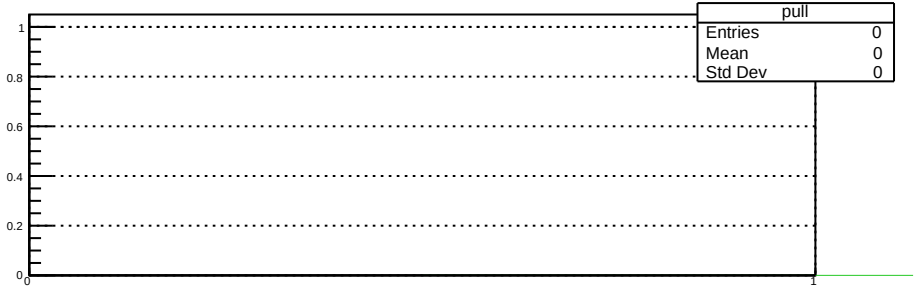

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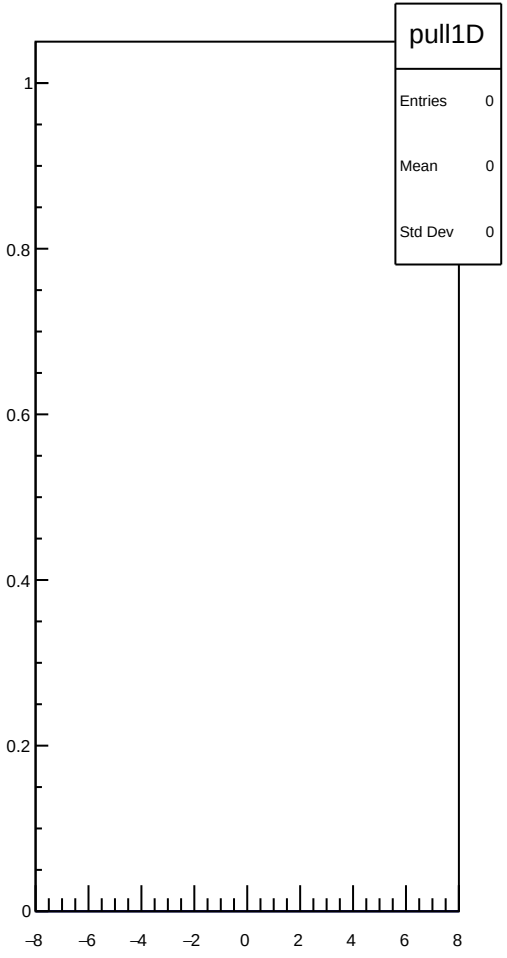

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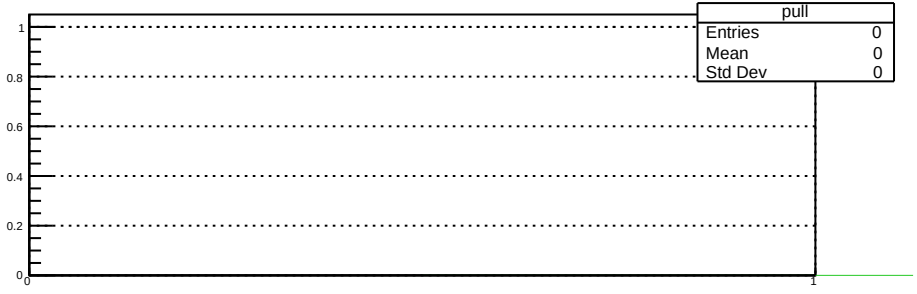

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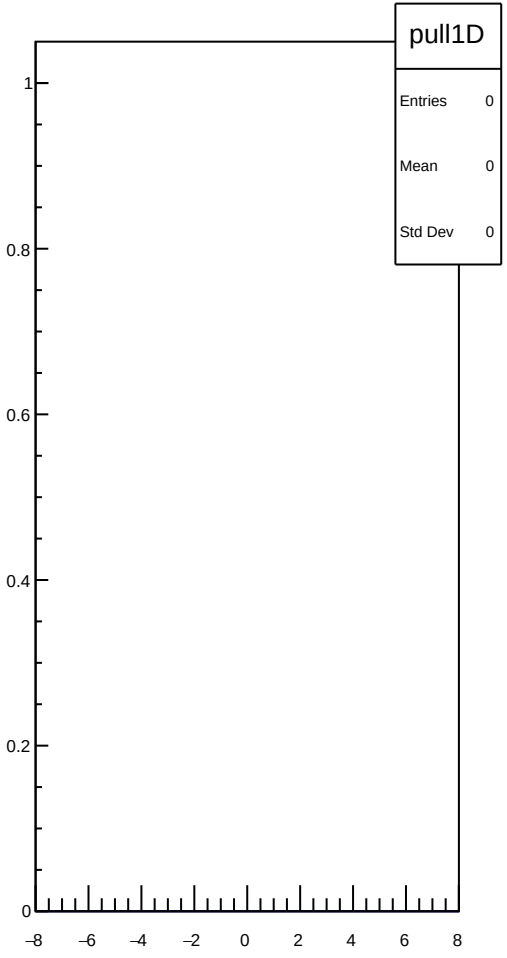

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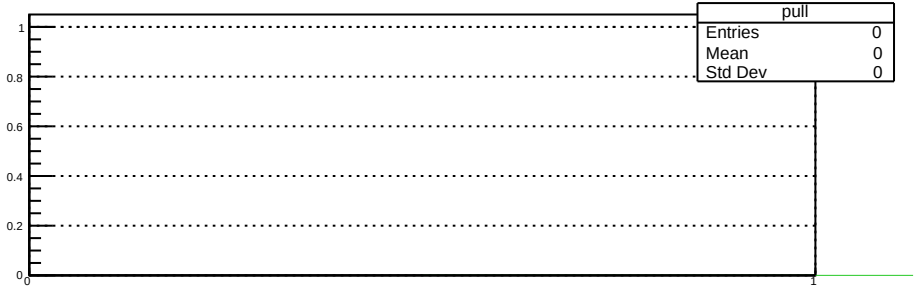

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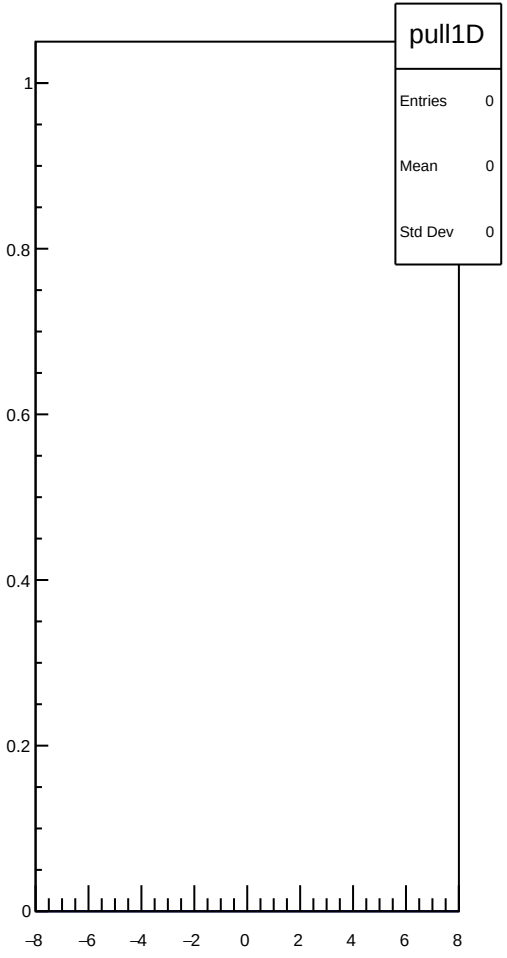

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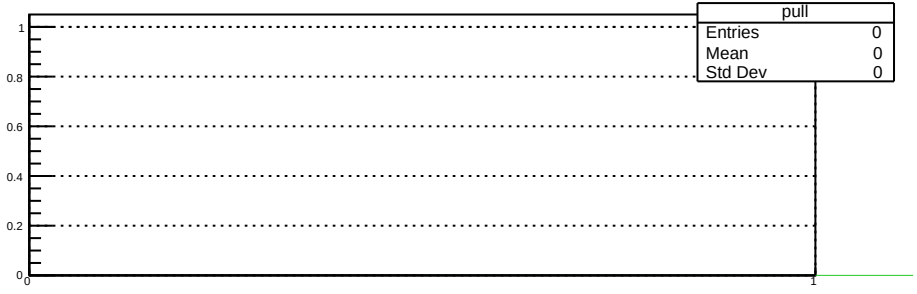

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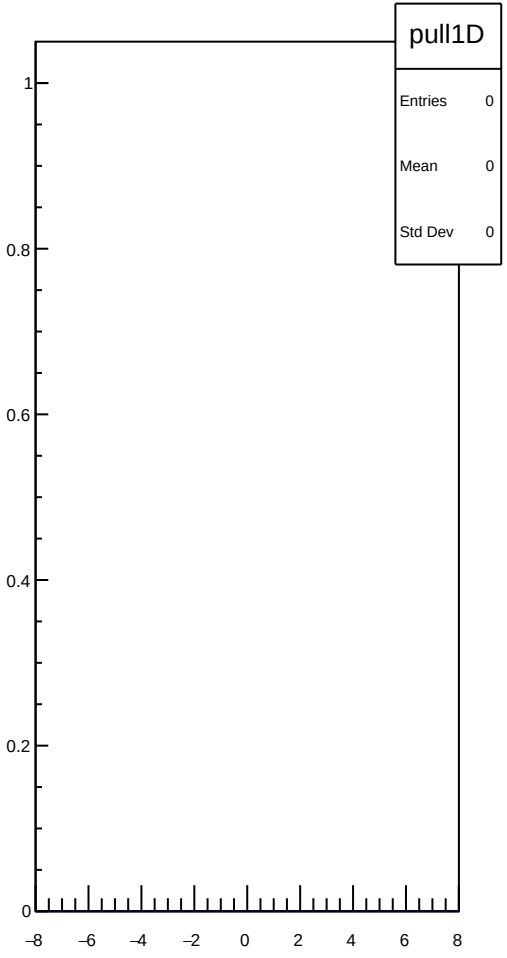

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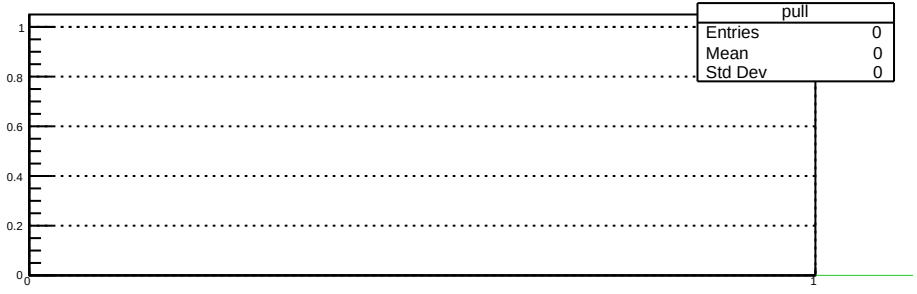

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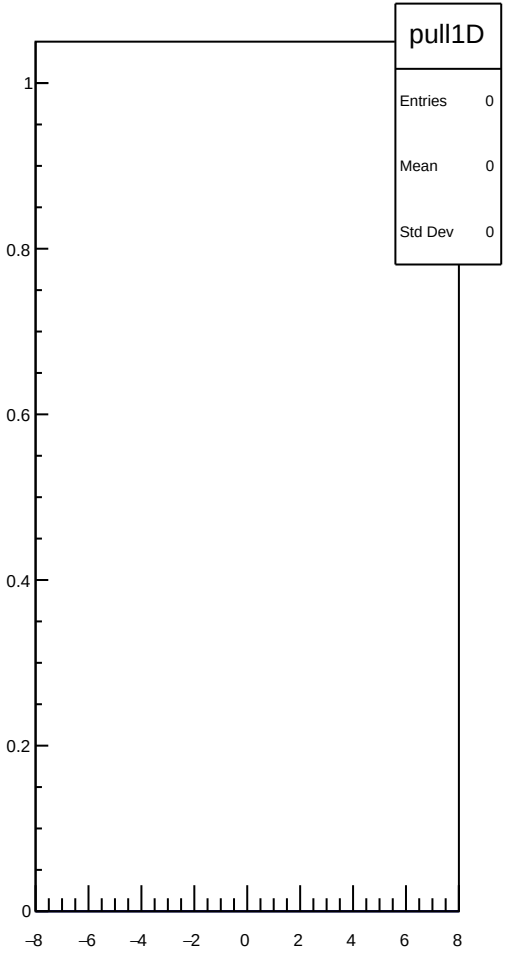

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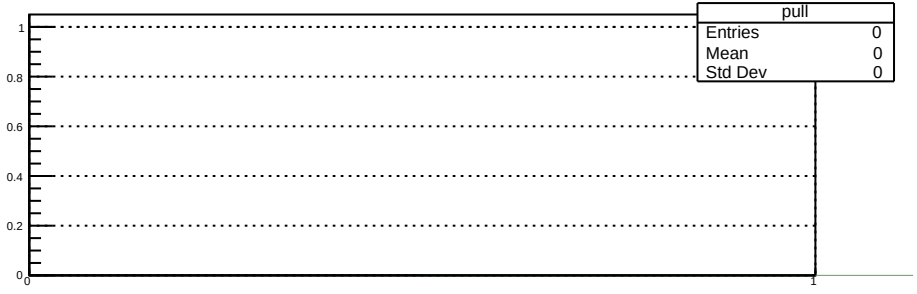

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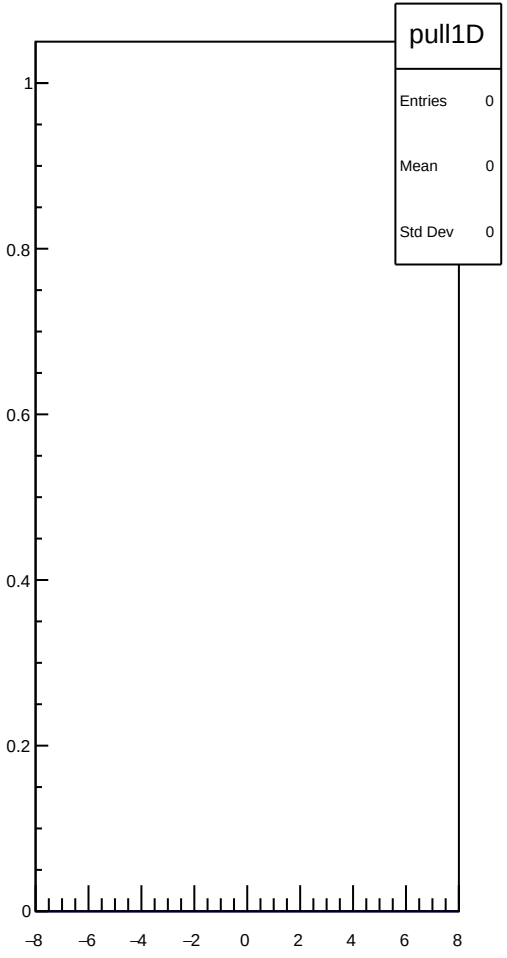

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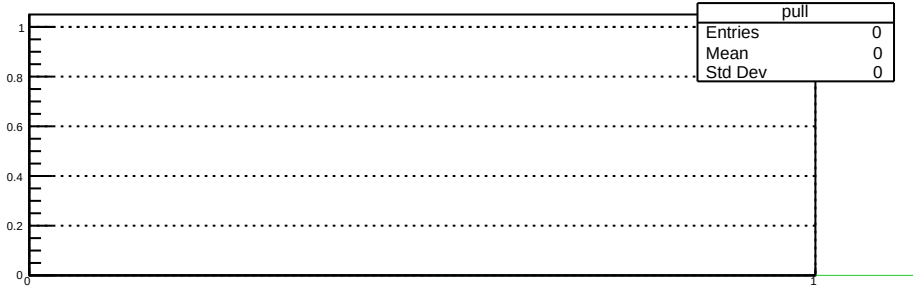

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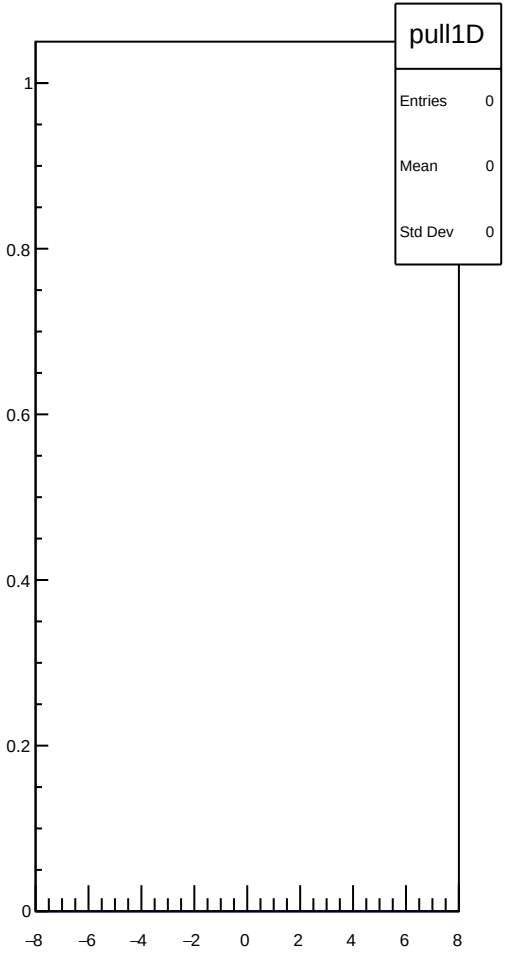

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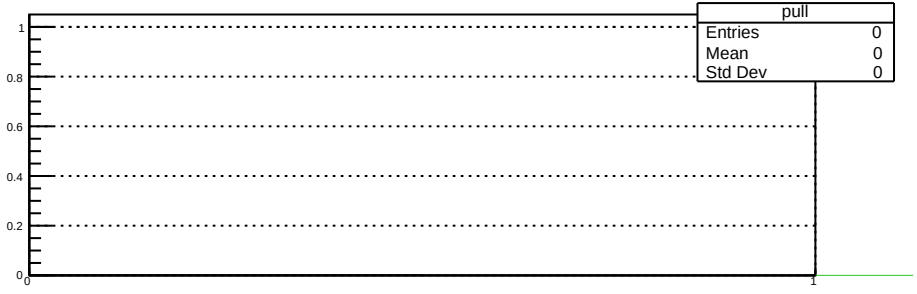

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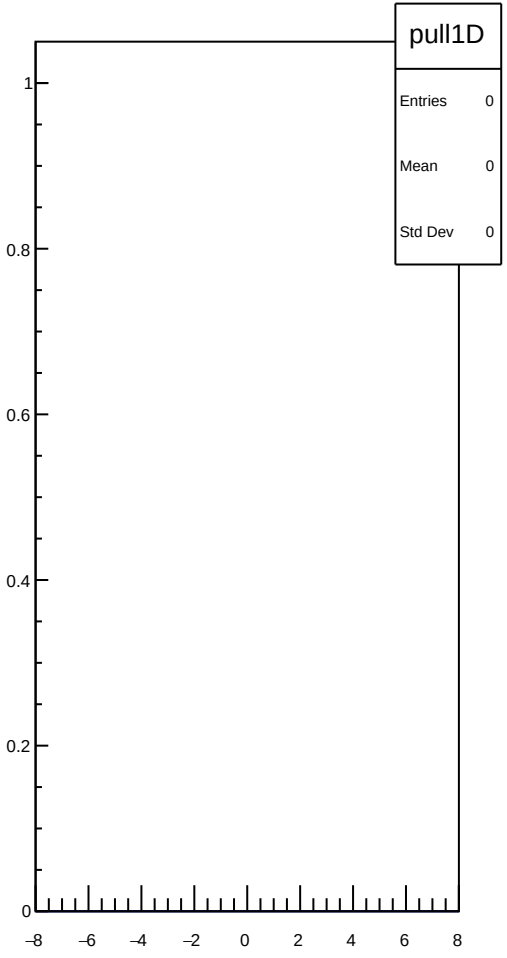

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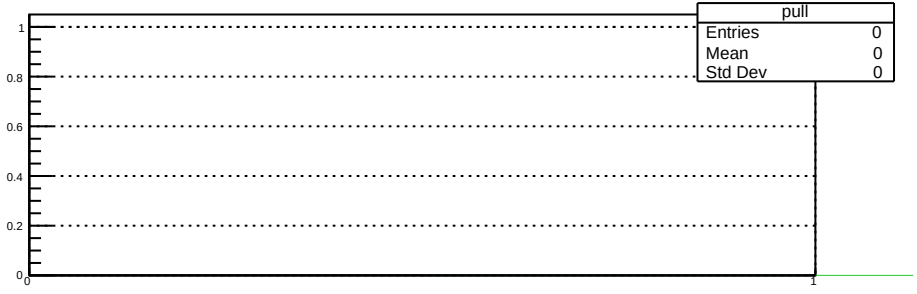

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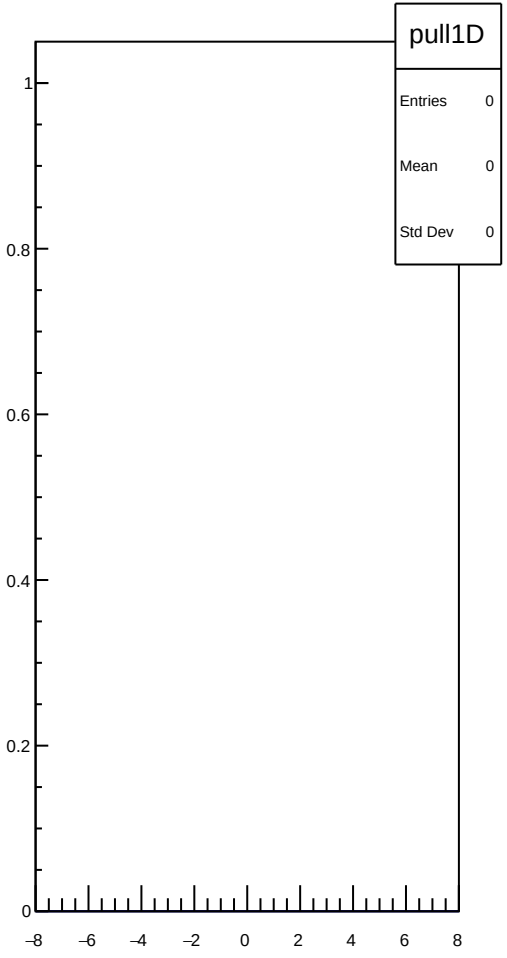

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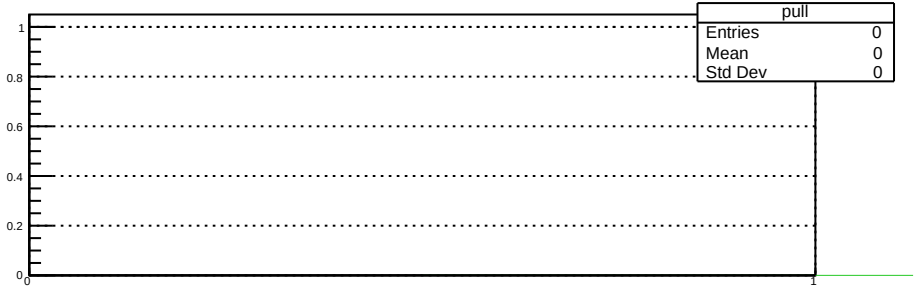

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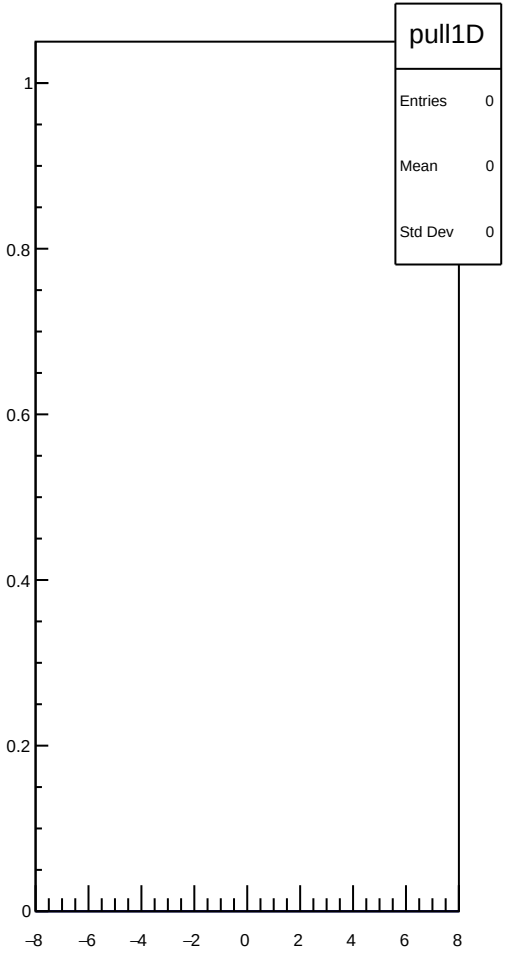

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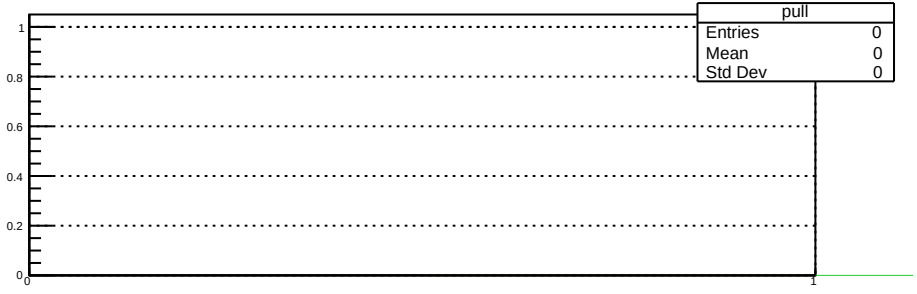

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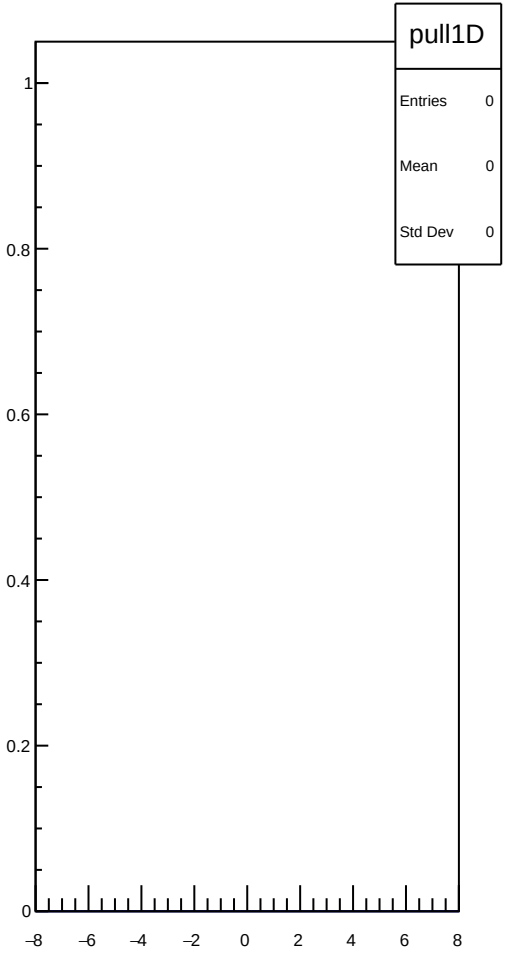

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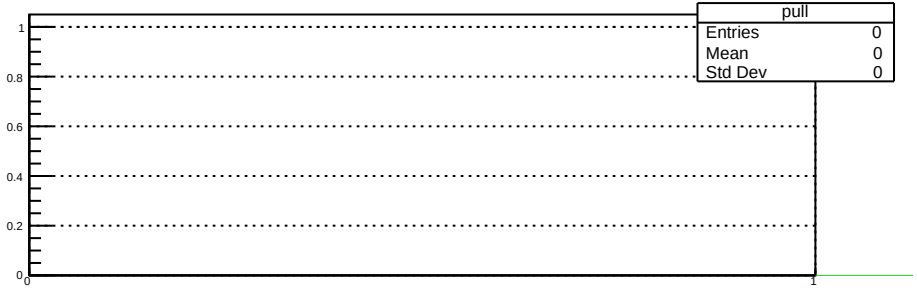

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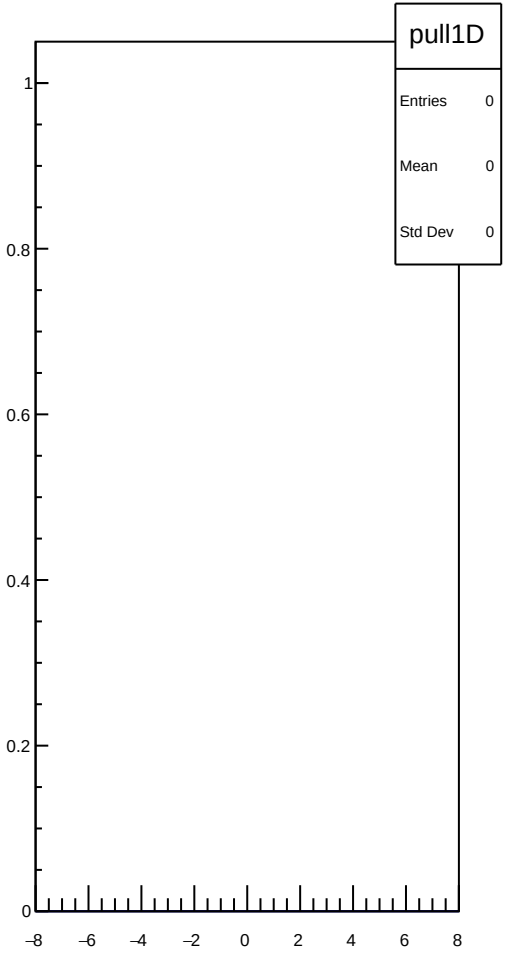

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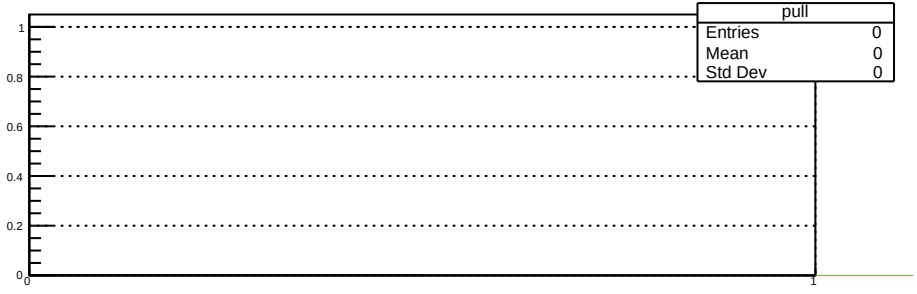

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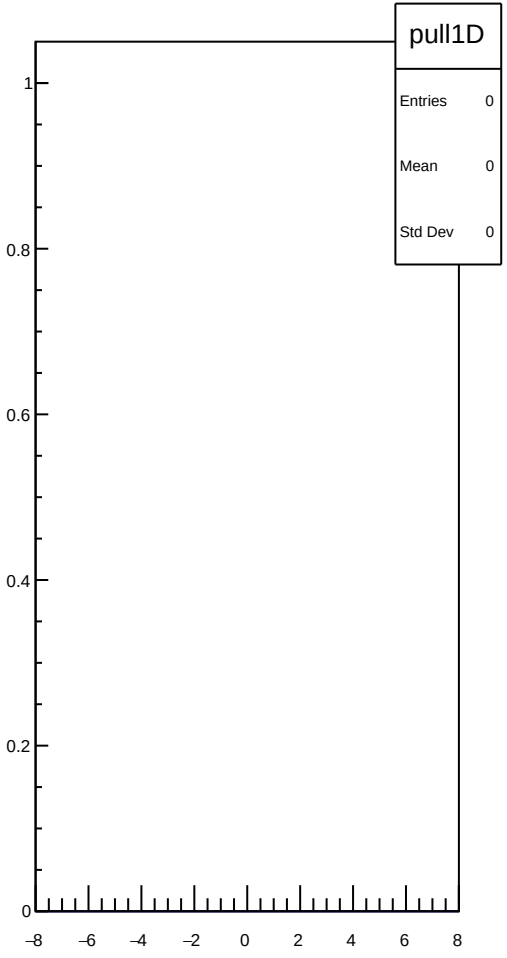

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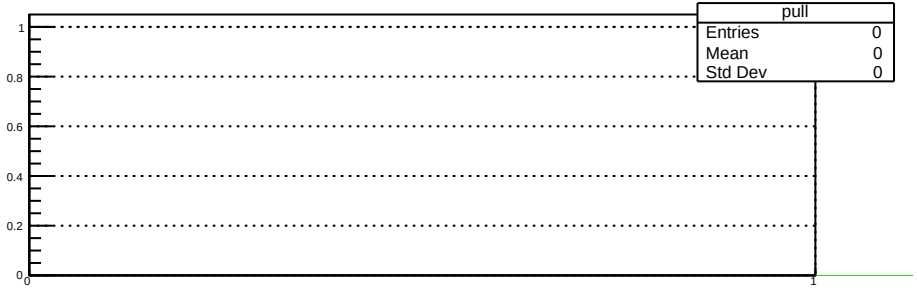

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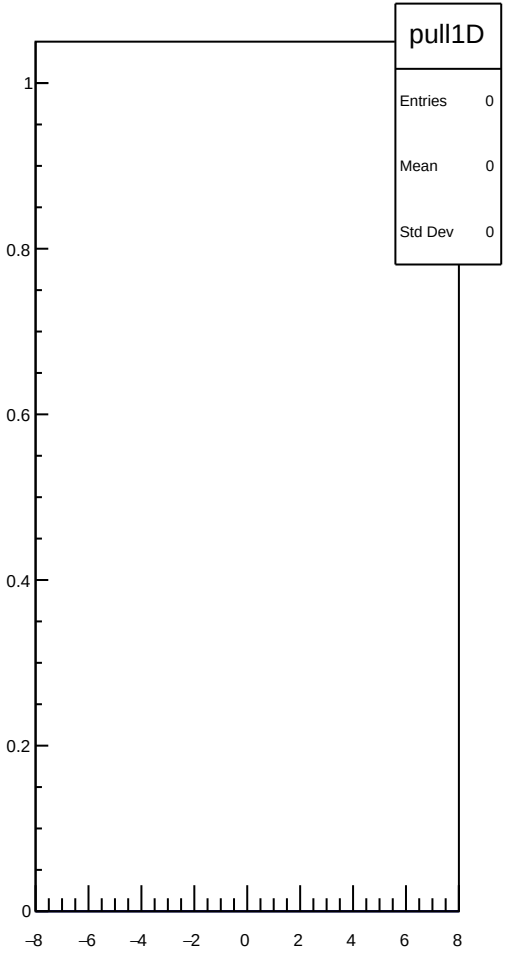

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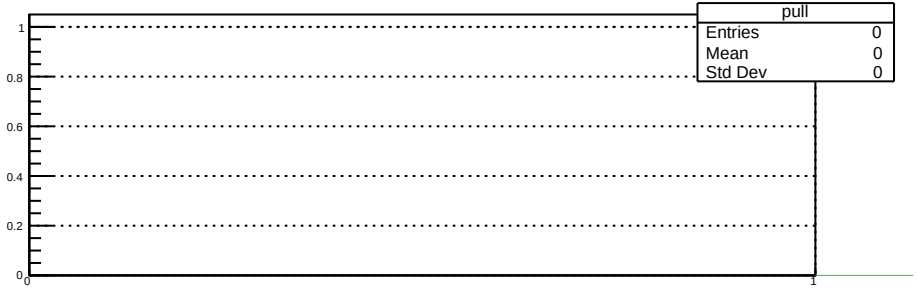

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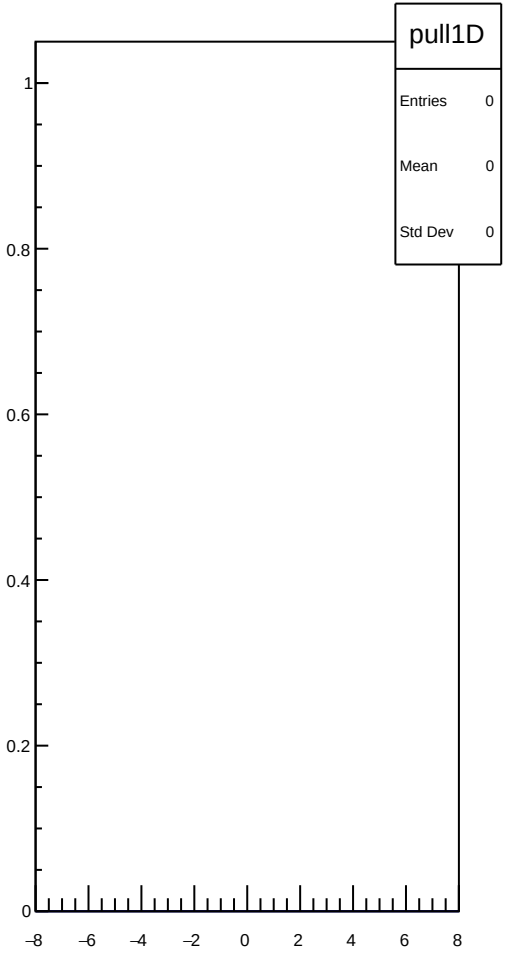

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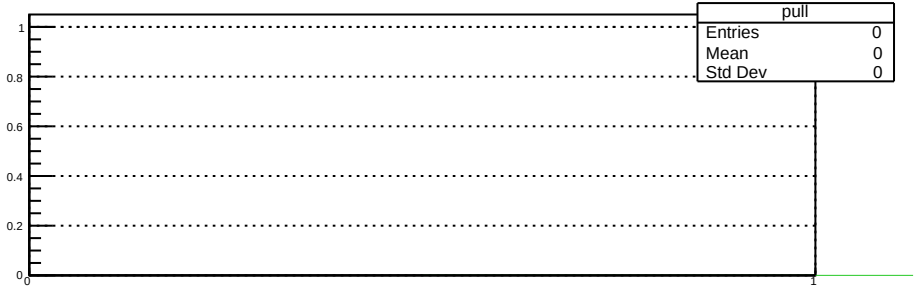

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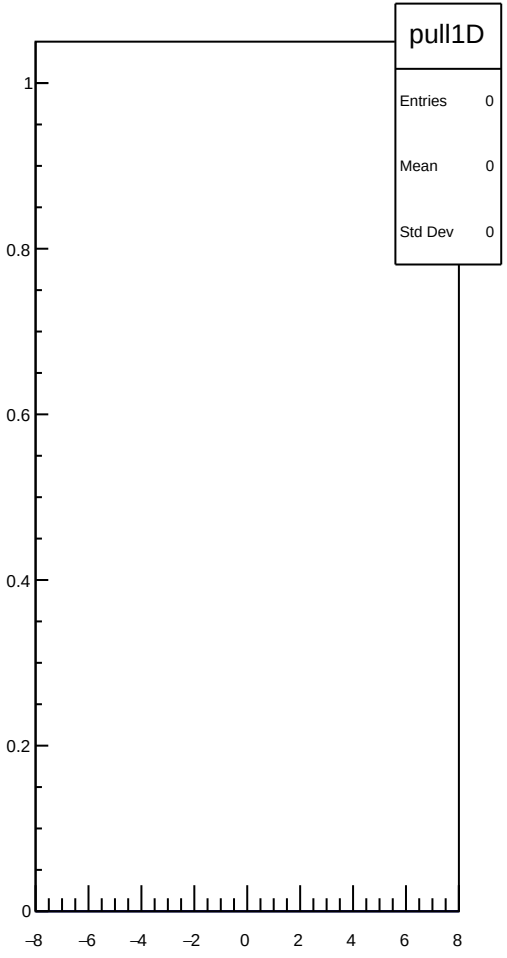

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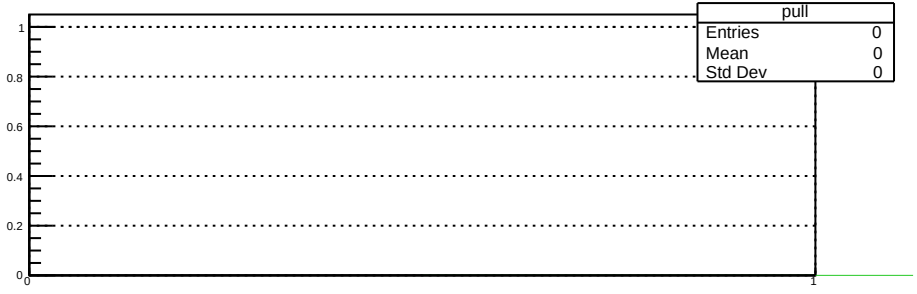

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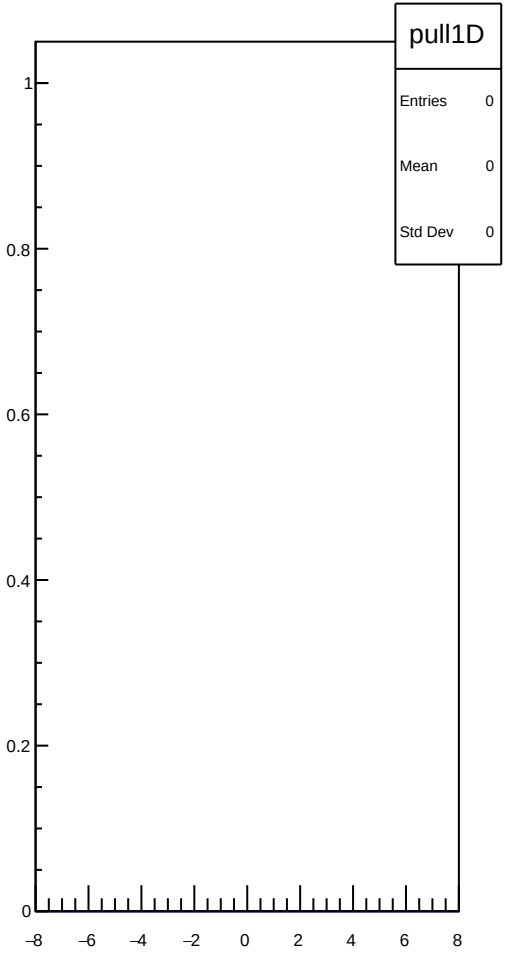

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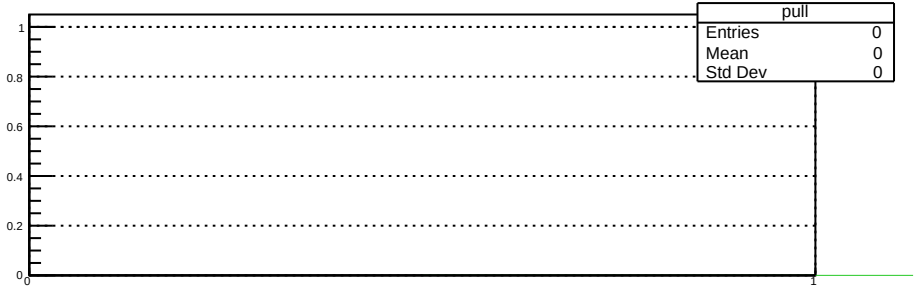

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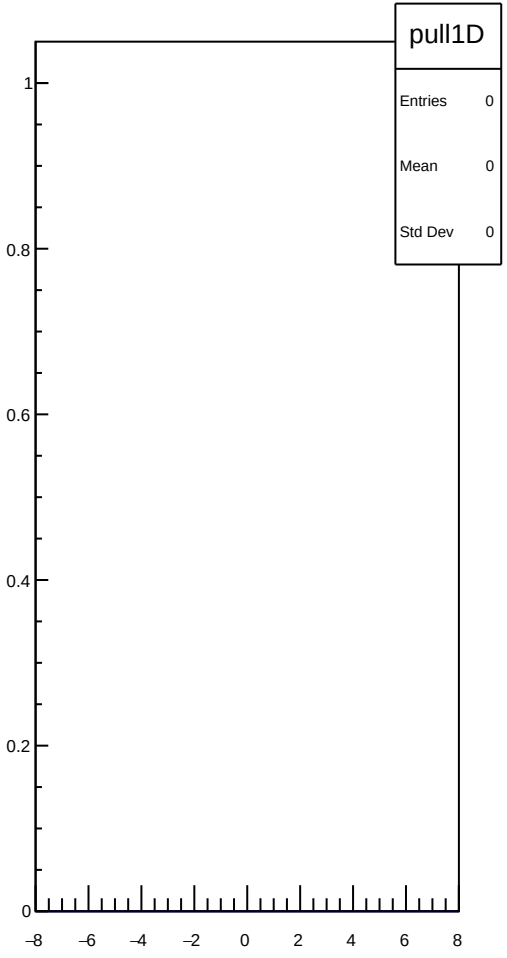

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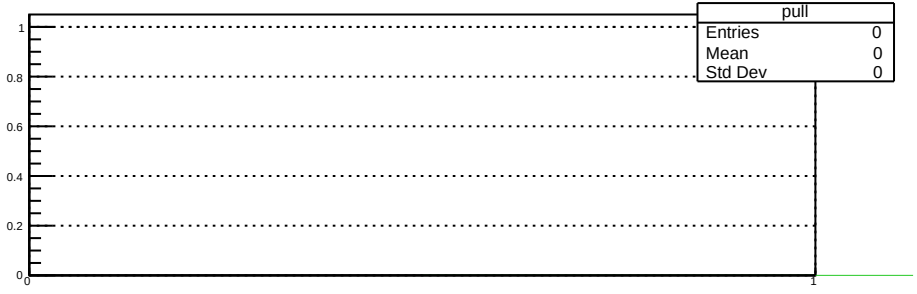

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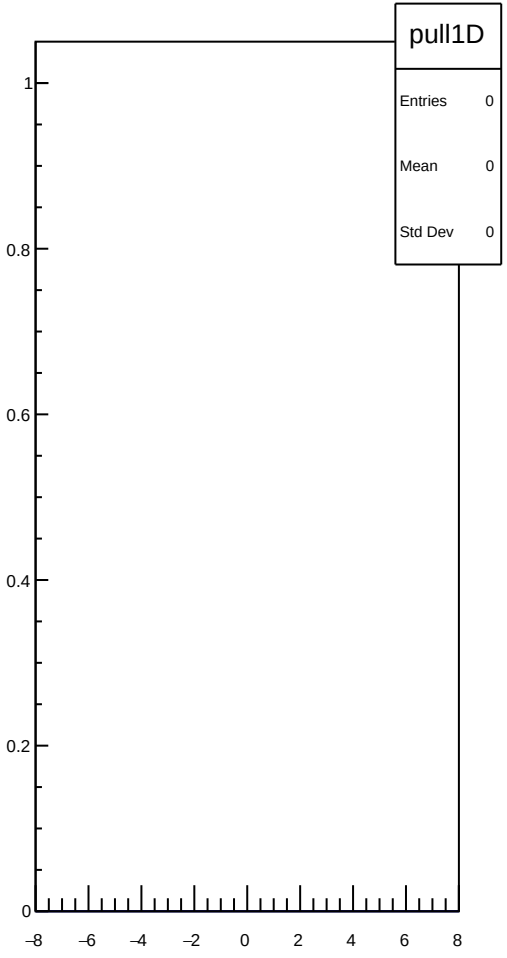

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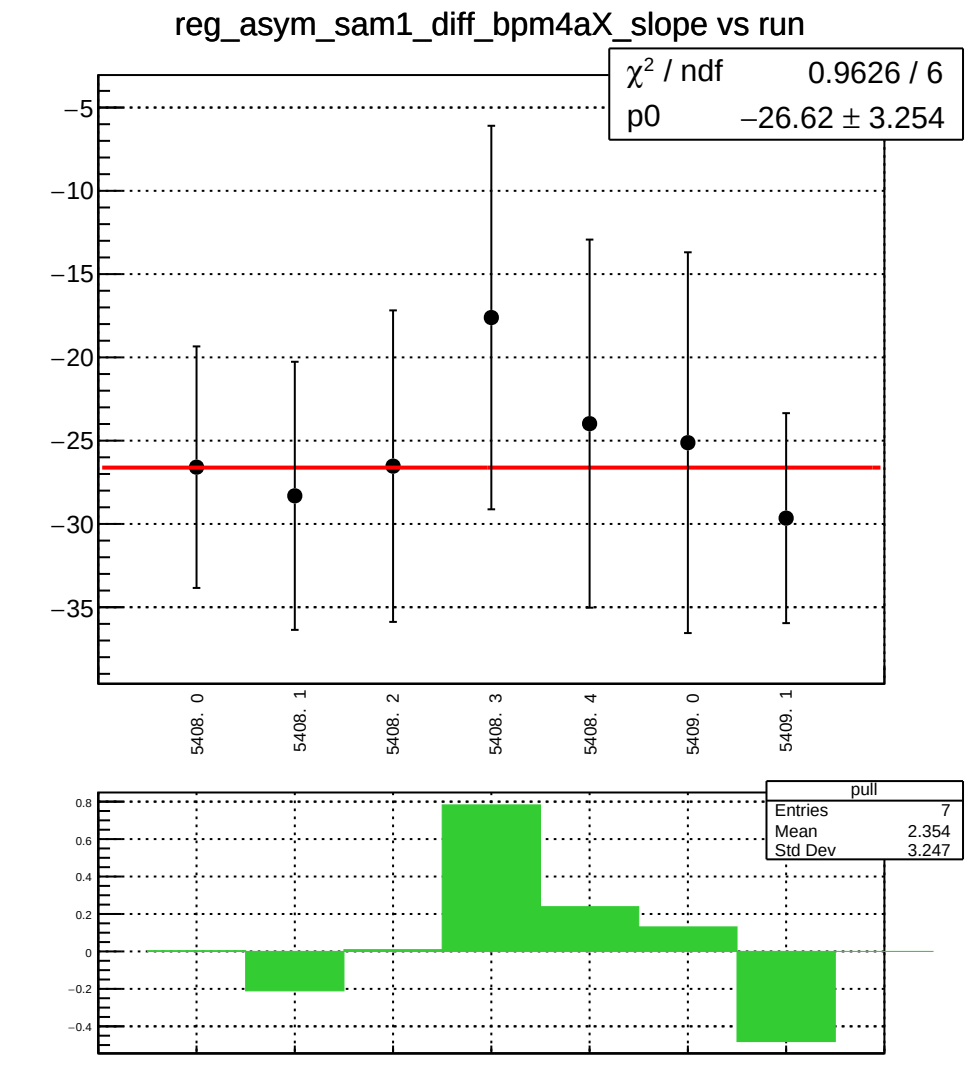

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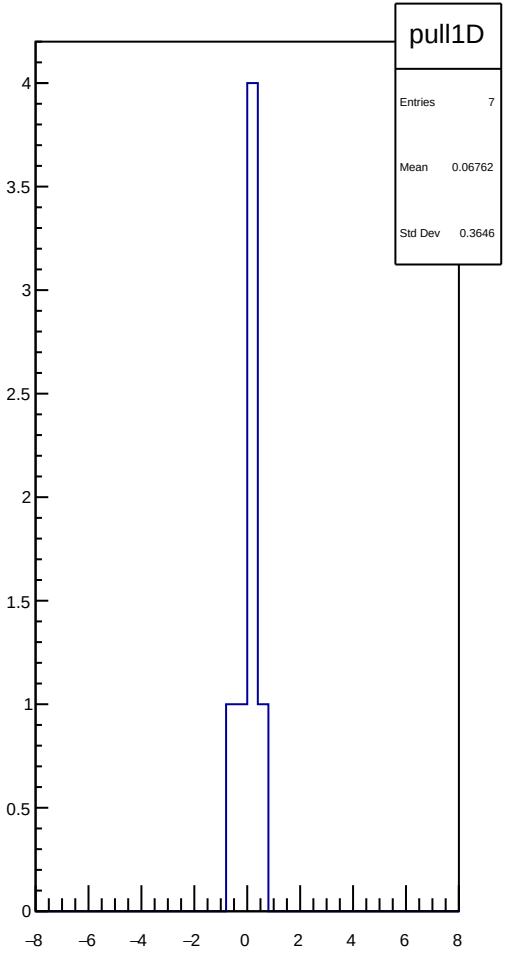

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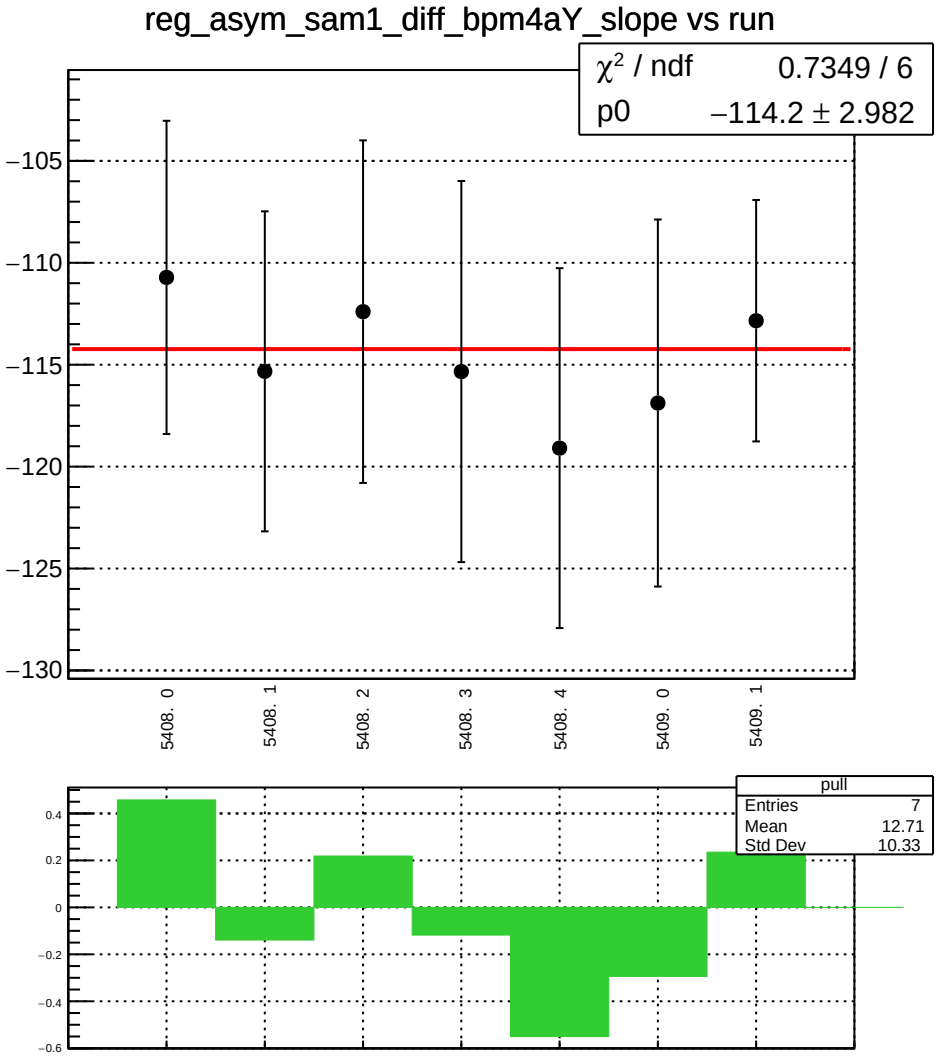

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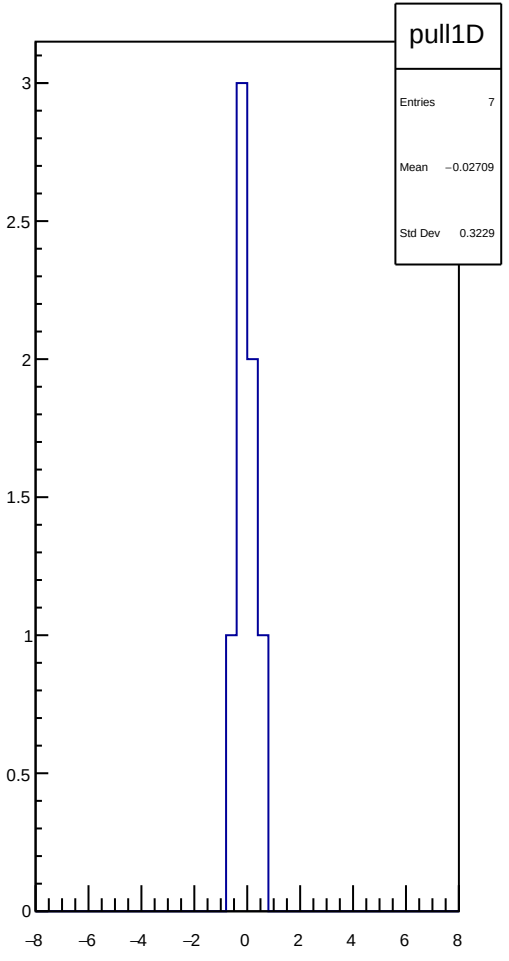

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

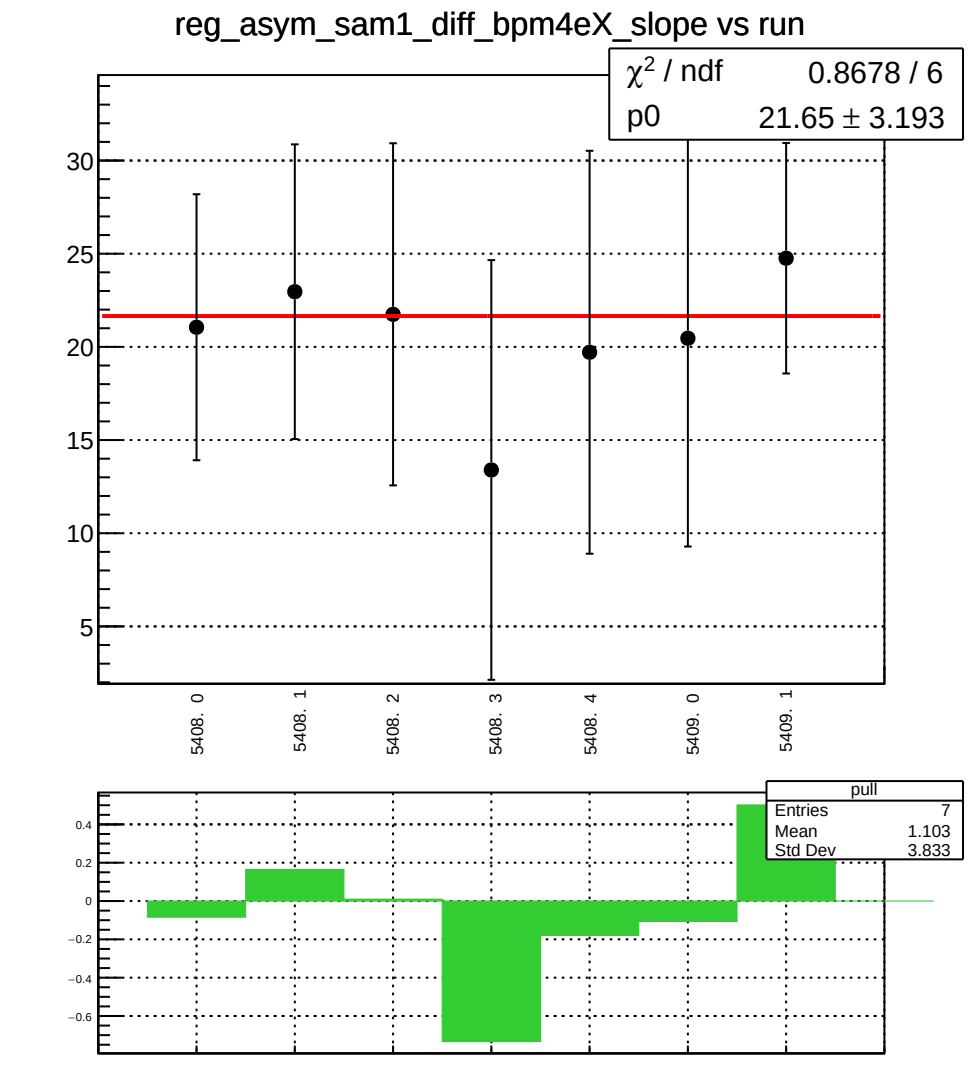

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

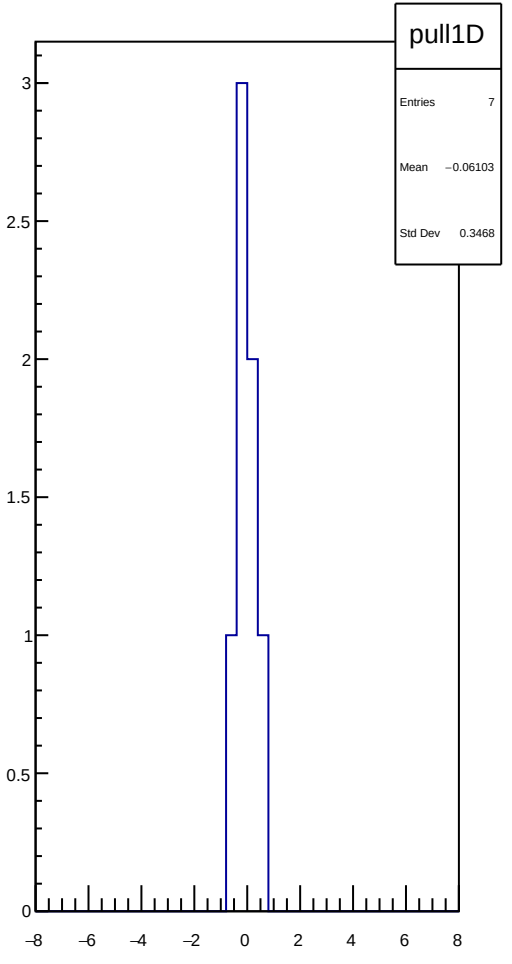

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 0.9626 / 6
p0 −26.62 ± 3.254
−5
−10
−15
−20
−25
−30
−35
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 2.354
Std Dev 3.247
0.8
0.6
0.4
0.2
0
−0.2
−0.4

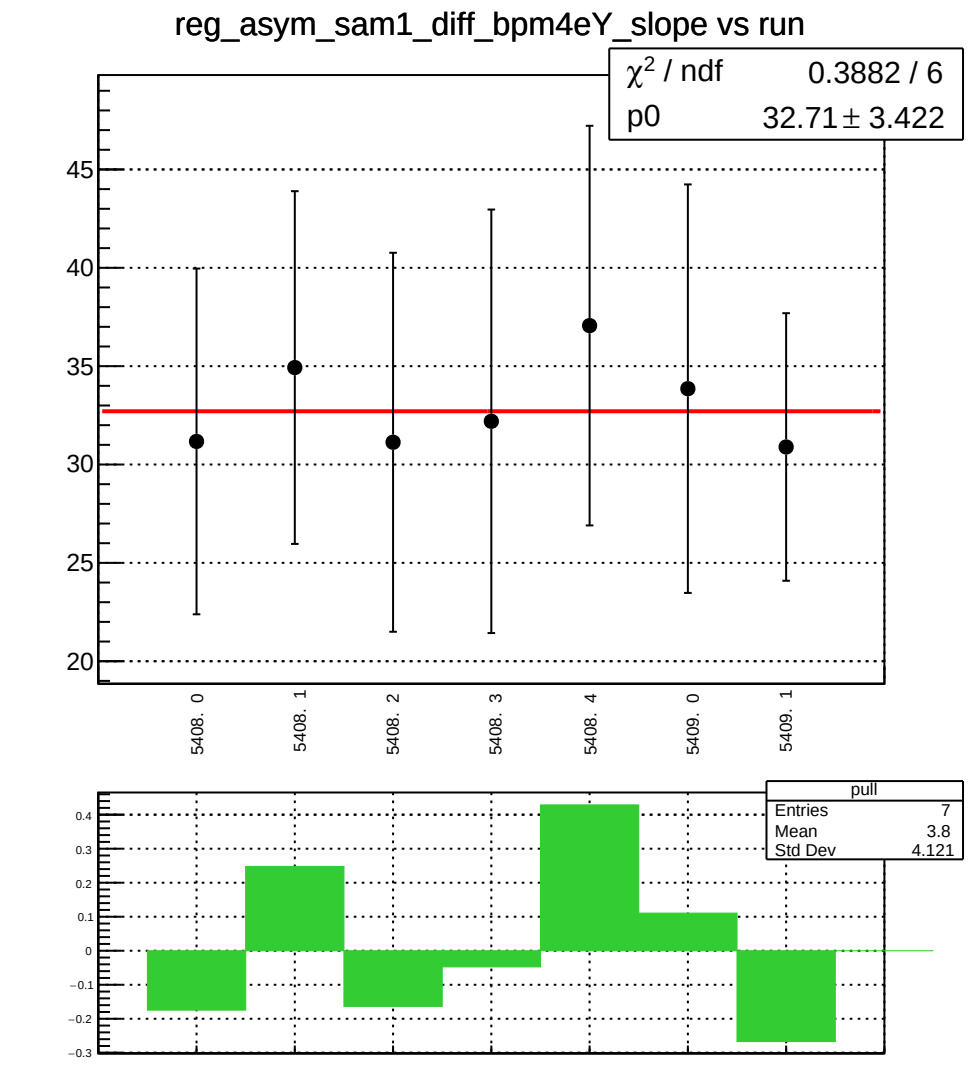

pull1D
Entries 7
Mean 0.06762
Std Dev 0.3646
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

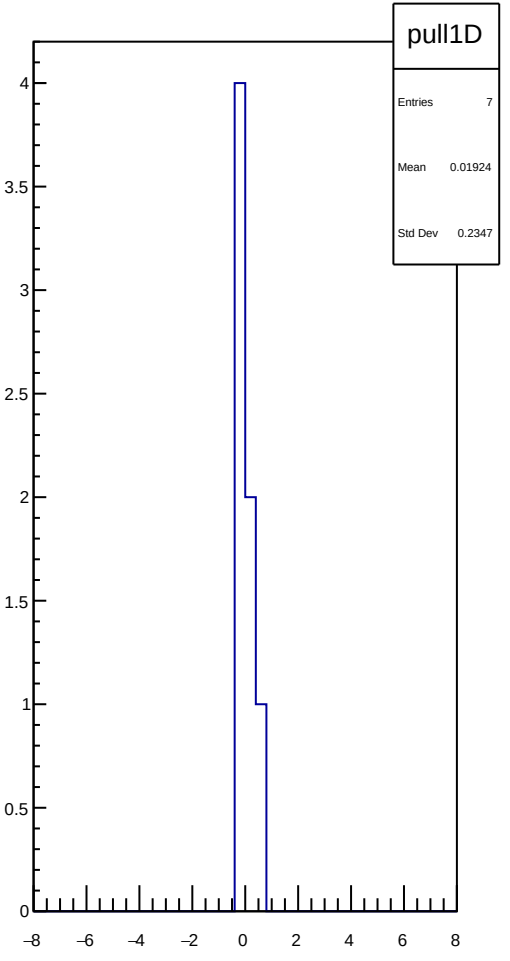

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 0.7349 / 6
p0 −114.2 ± 2.982
−105
−110
−115
−120
−125
−130
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.71
Std Dev 10.33
0.4
0.2
0
−0.2
−0.4
−0.6

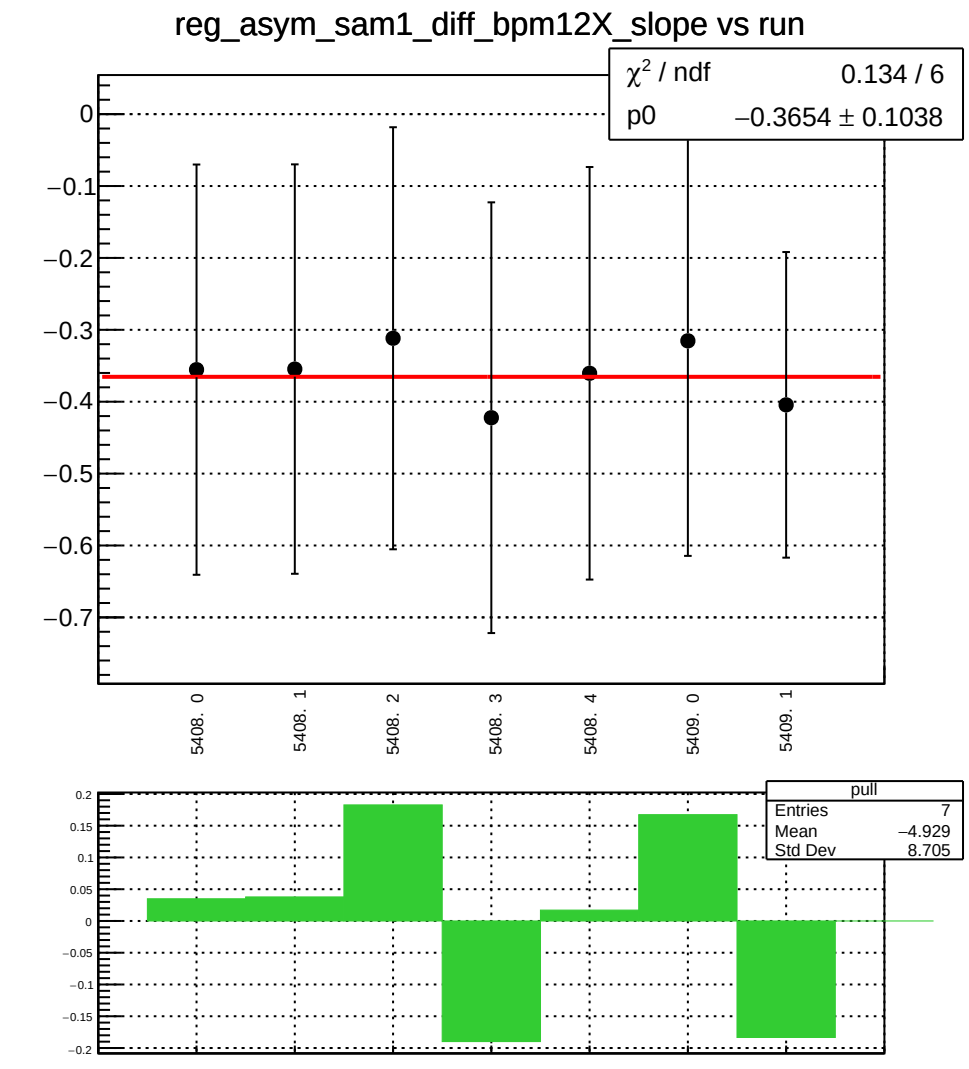

pull1D
Entries 7
Mean −0.02709
Std Dev 0.3229
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

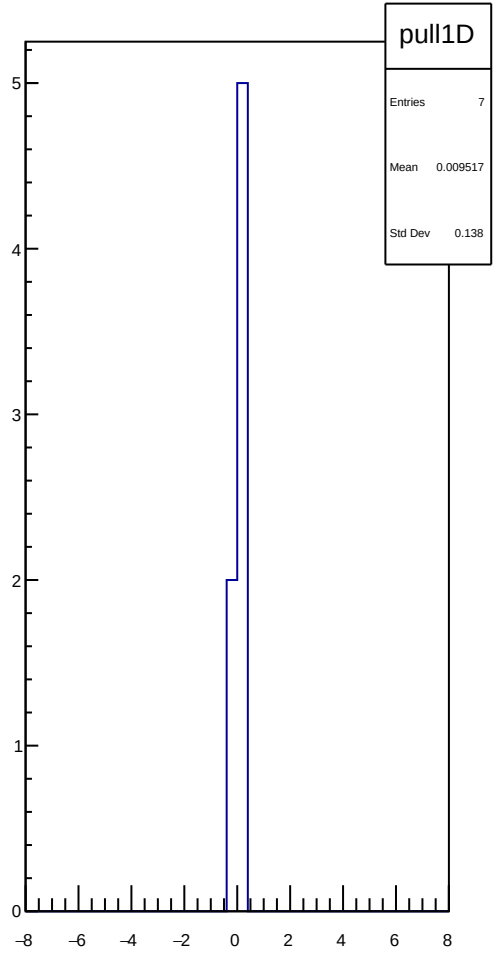

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 0.8678 / 6
p0 21.65 ± 3.193
30
25
20
15
10
5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 1.103
Std Dev 3.833
0.4
0.2
0
−0.2
−0.4
−0.6

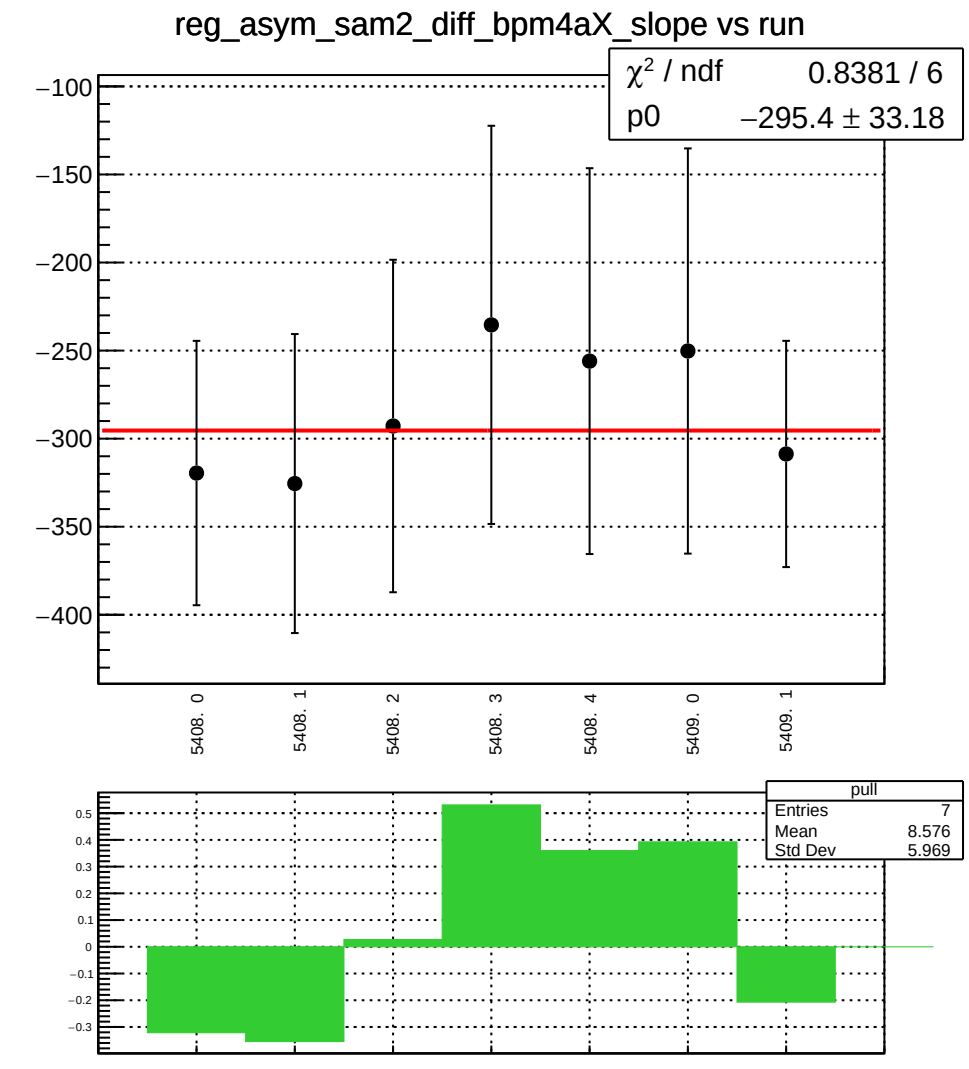

pull1D
Entries 7
Mean −0.06103
Std Dev 0.3468
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

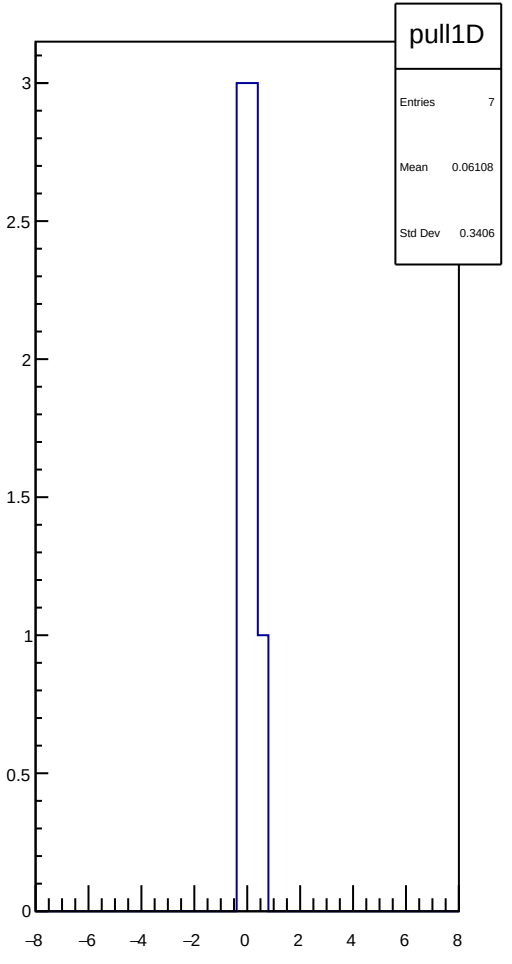

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 0.3882 / 6
p0 32.71 ± 3.422
45
40
35
30
25
20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.8
Std Dev 4.121
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

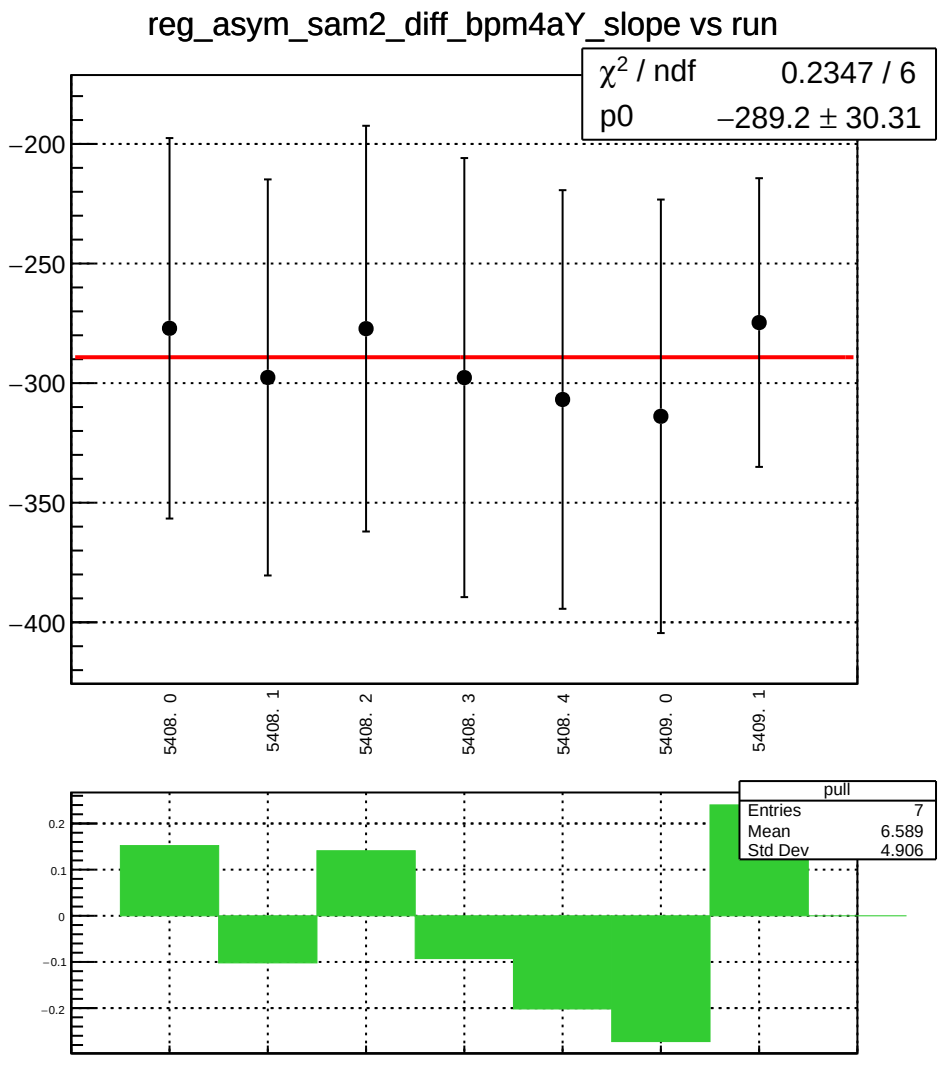

pull1D
Entries 7
Mean 0.01924
Std Dev 0.2347
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

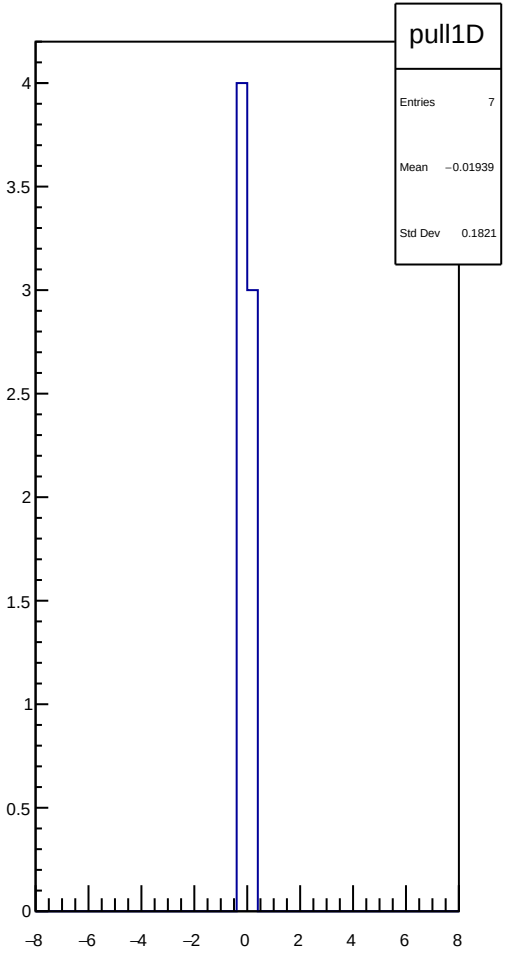

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 0.134 / 6
p0 −0.3654 ± 0.1038
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −4.929
Std Dev 8.705
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2

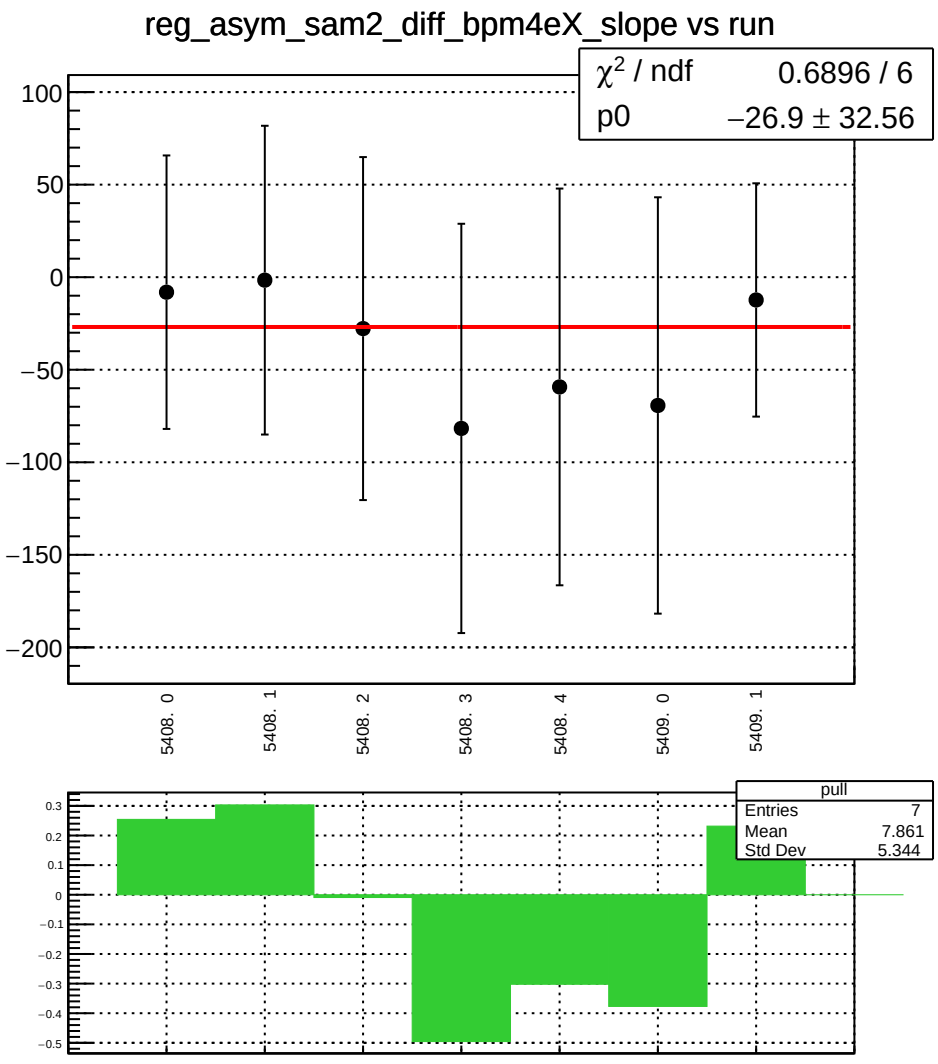

pull1D
Entries 7
Mean 0.009517
Std Dev 0.138
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

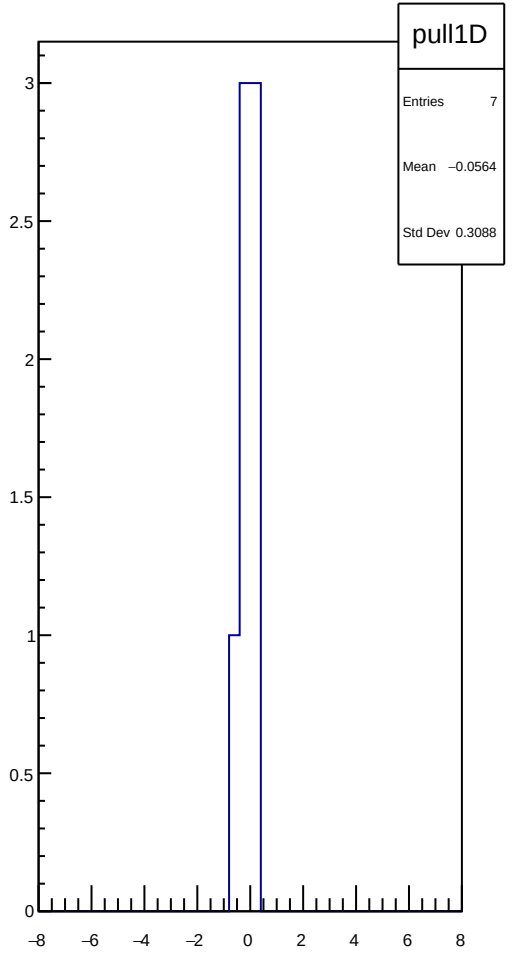

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 0.8381 / 6
p0 −295.4 ± 33.18
−100
−150
−200
−250
−300
−350
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.576
Std Dev 5.969
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

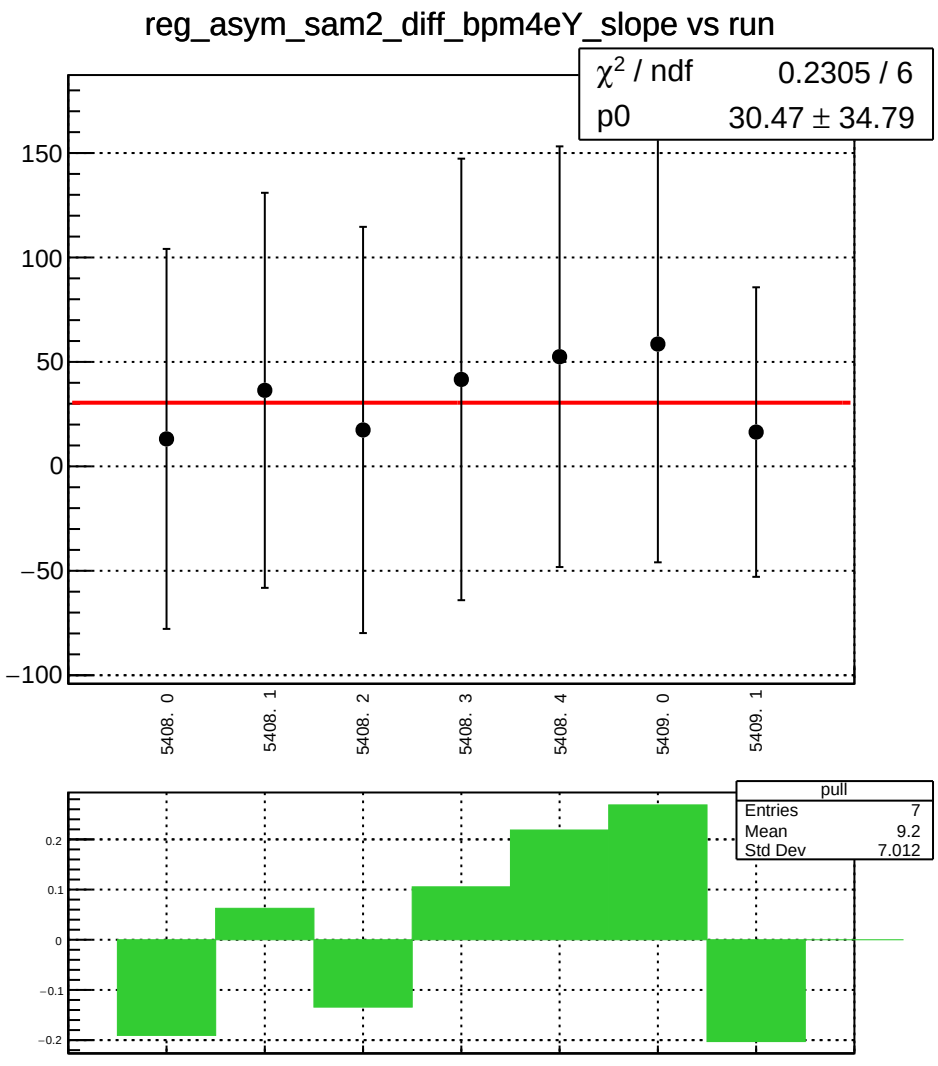

pull1D
Entries 7
Mean 0.06108
Std Dev 0.3406
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

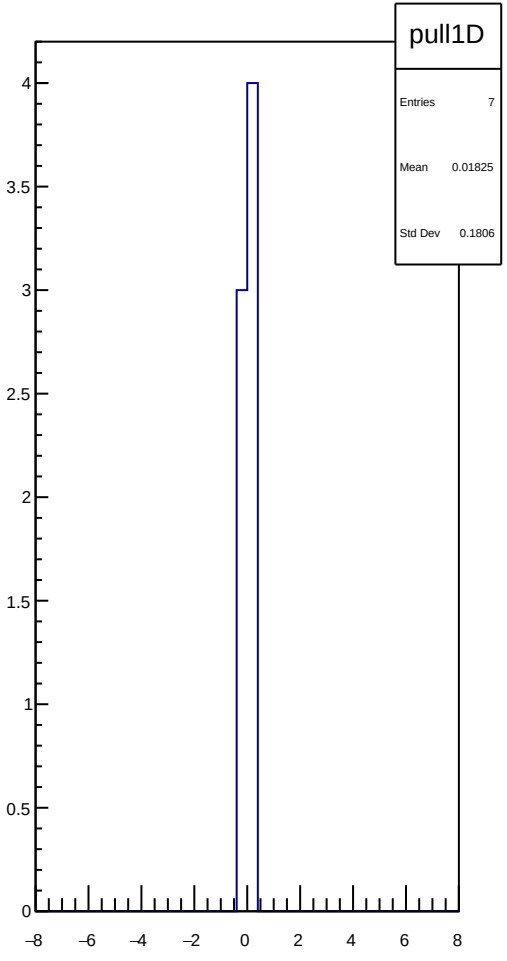

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 0.2347 / 6
p0 −289.2 ± 30.31
−200
−250
−300
−350
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.589
Std Dev 4.906
0.2
0.1
0
−0.1
−0.2

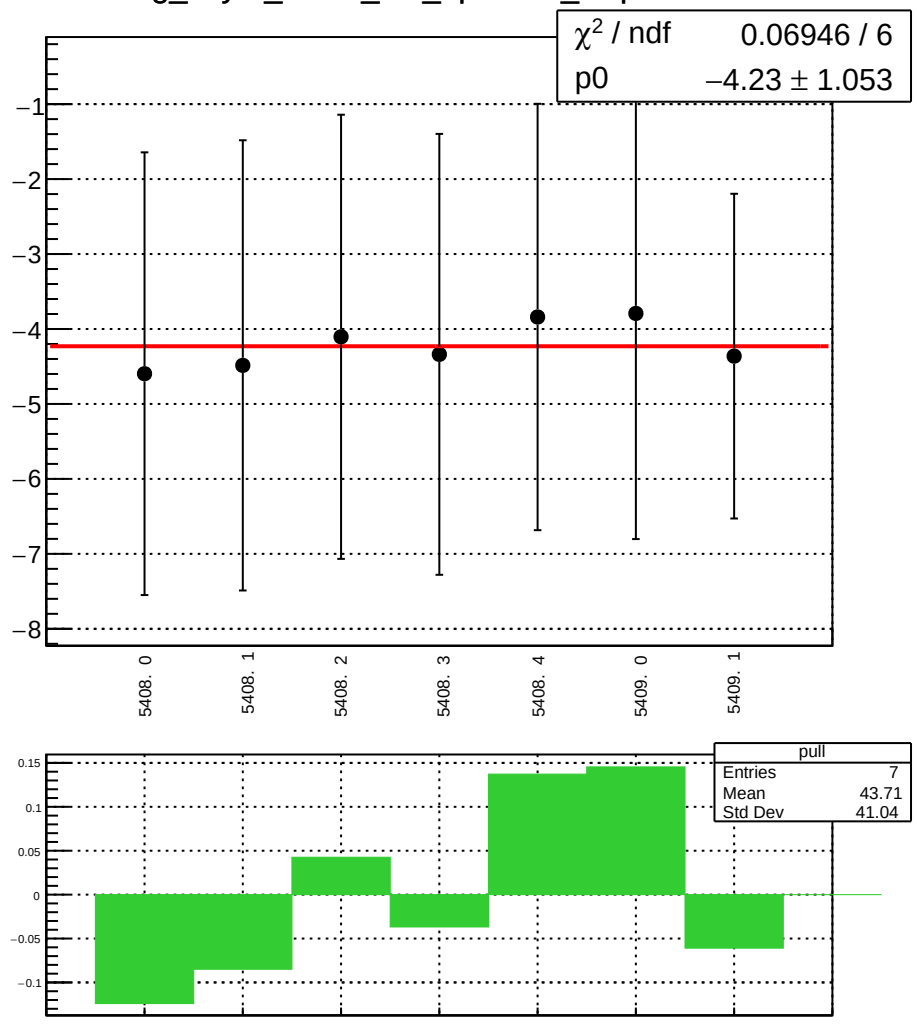

pull1D
Entries 7
Mean −0.01939
Std Dev 0.1821
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

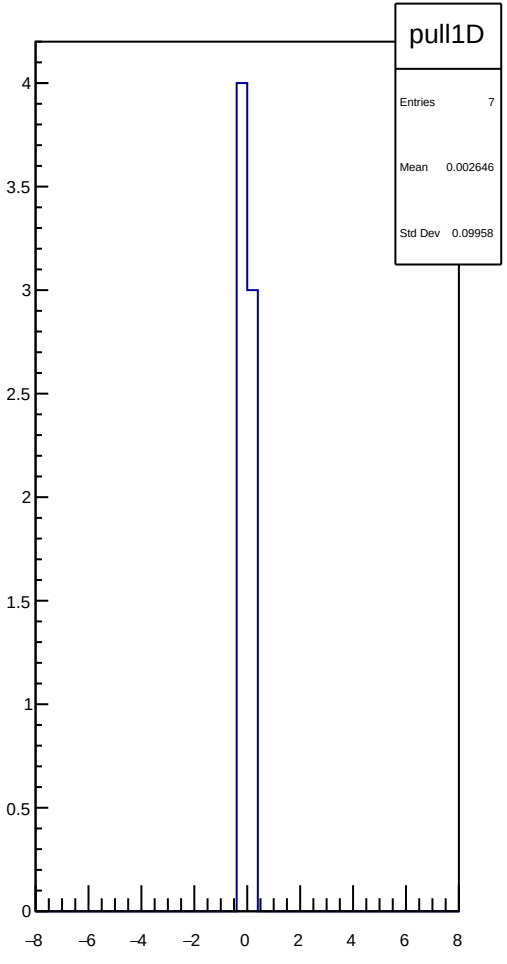

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.6896 / 6
p0 −26.9 ± 32.56
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.861
Std Dev 5.344
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

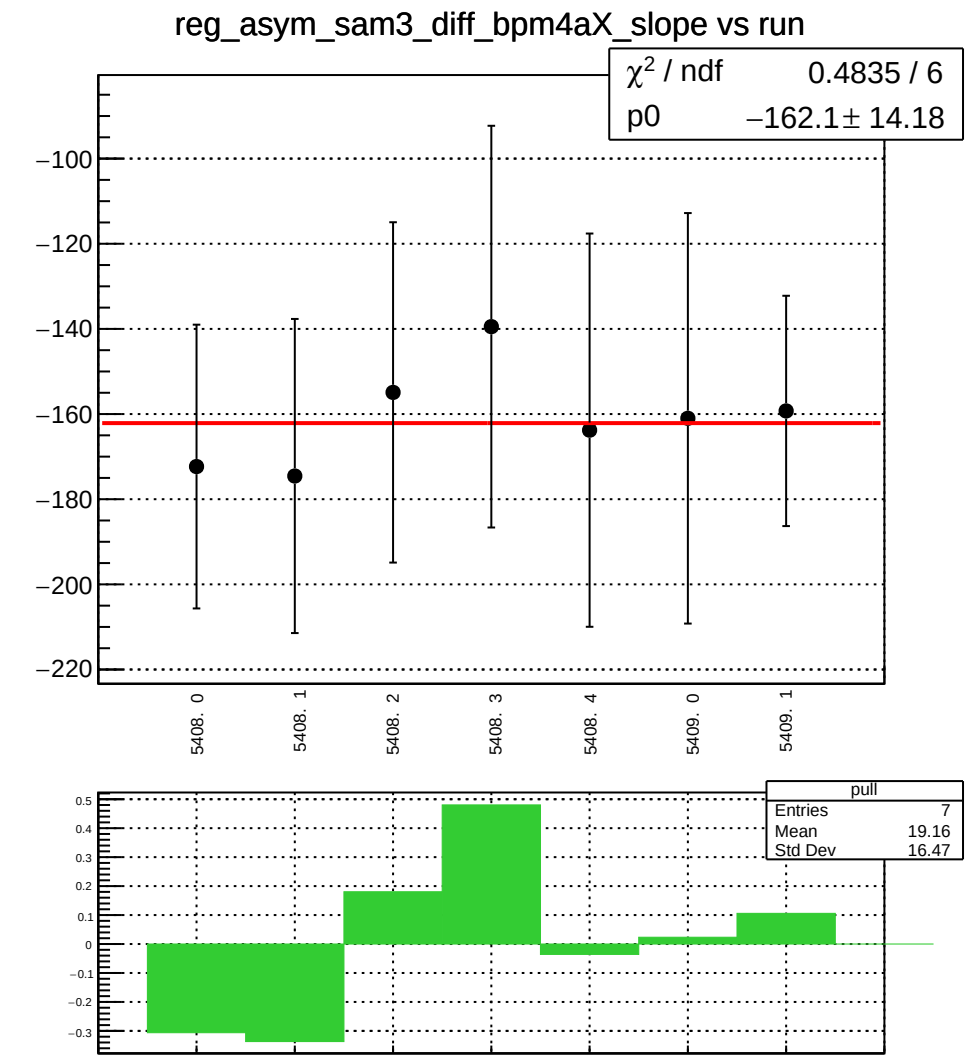

pull1D
Entries 7
Mean −0.0564
Std Dev 0.3088
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

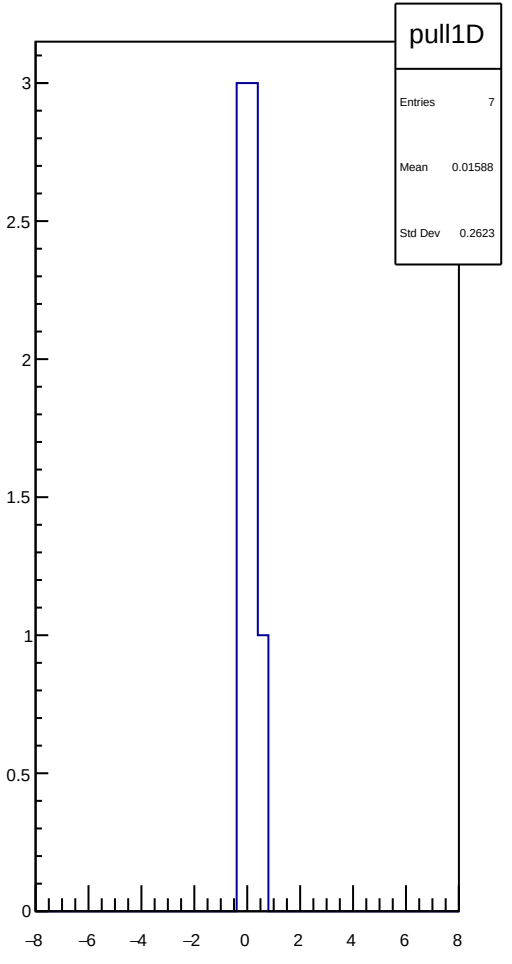

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 0.2305 / 6
p0 30.47 ± 34.79
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 9.2
Std Dev 7.012
0.2
0.1
0
−0.1
−0.2

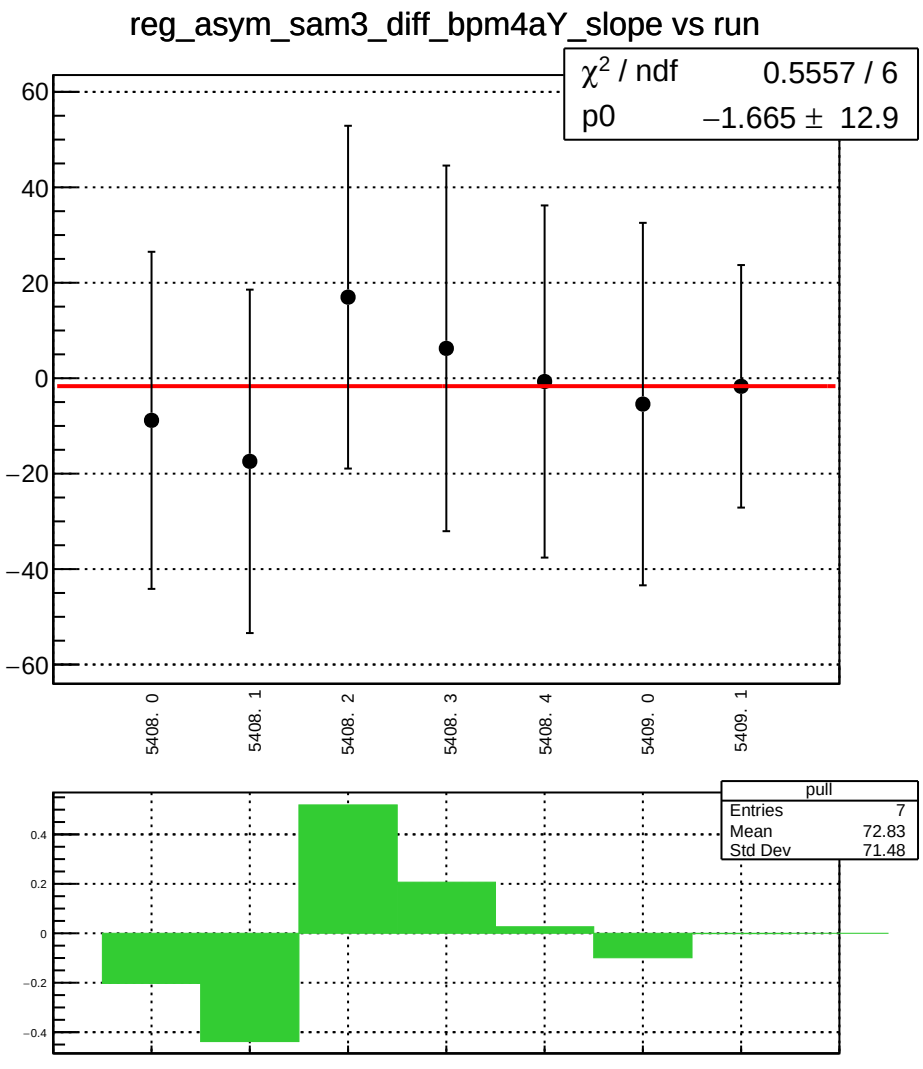

pull1D
Entries 7
Mean 0.01825
Std Dev 0.1806
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

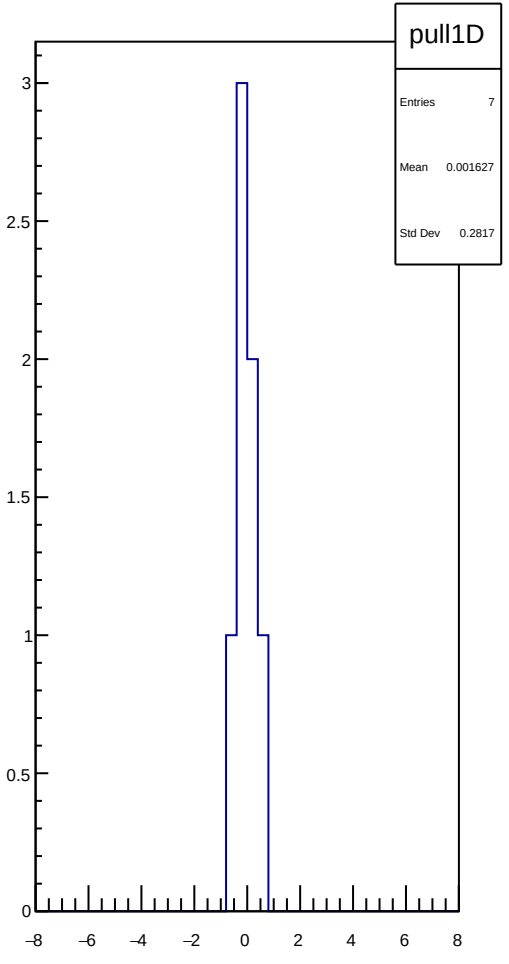

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.06946 / 6
p0 −4.23 ± 1.053
−1
−2
−3
−4
−5
−6
−7
−8
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 43.71
Std Dev 41.04
0.15
0.1
0.05
0
−0.05
−0.1

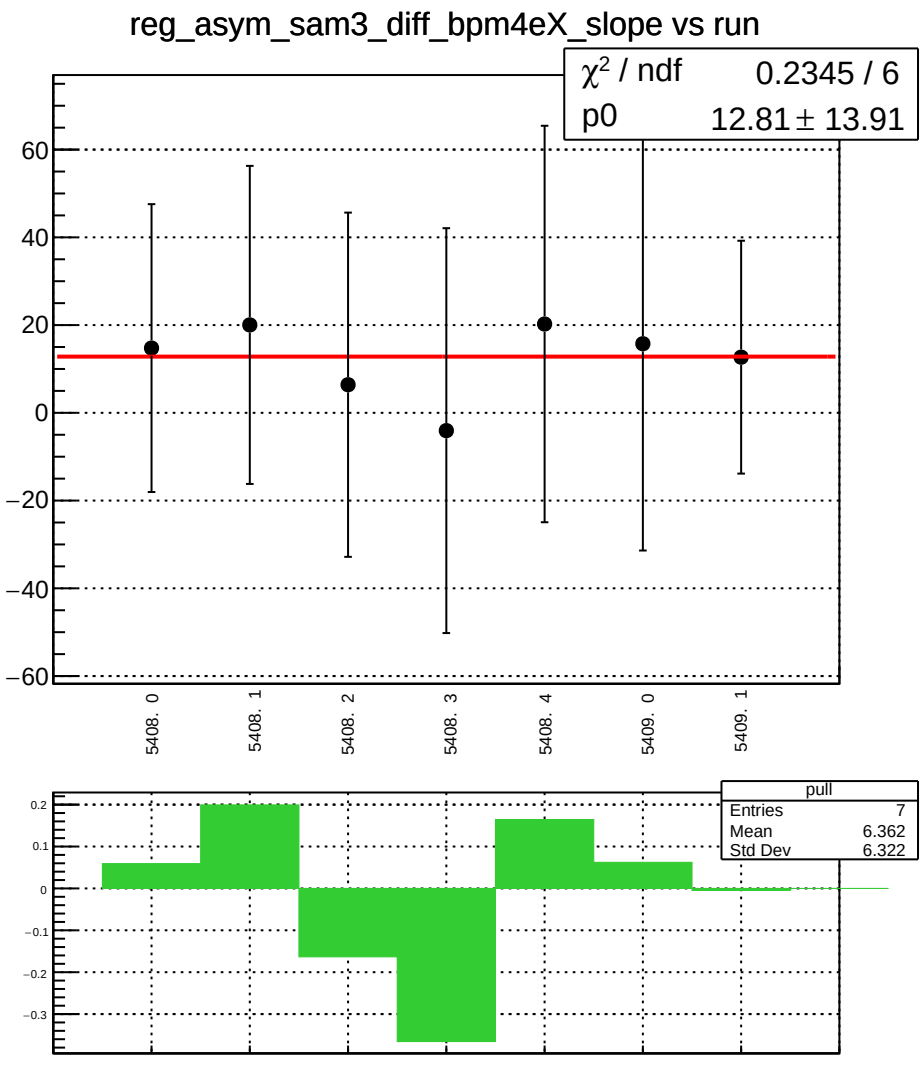

pull1D
Entries 7
Mean 0.002646
Std Dev 0.09958
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

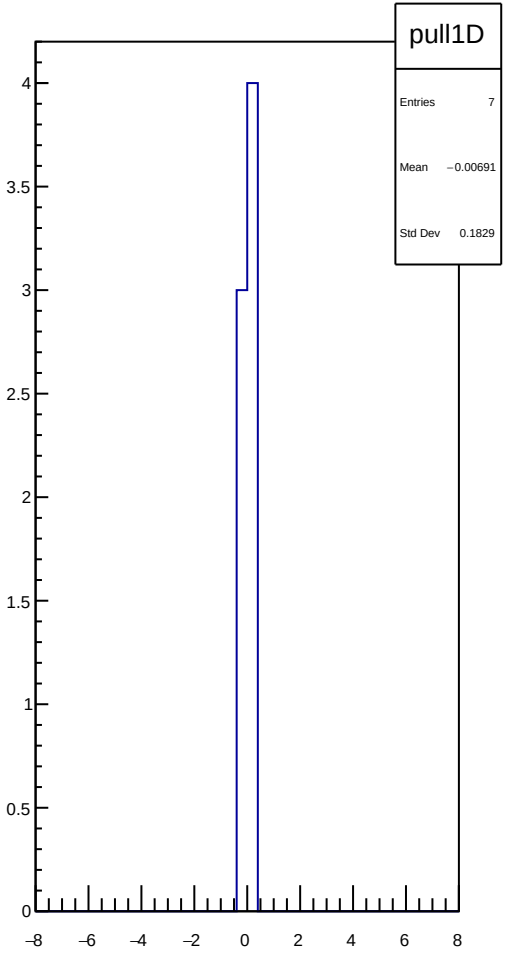

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 0.4835 / 6
p0 −162.1± 14.18
−100
−120
−140
−160
−180
−200
−220
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 19.16
Std Dev 16.47
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

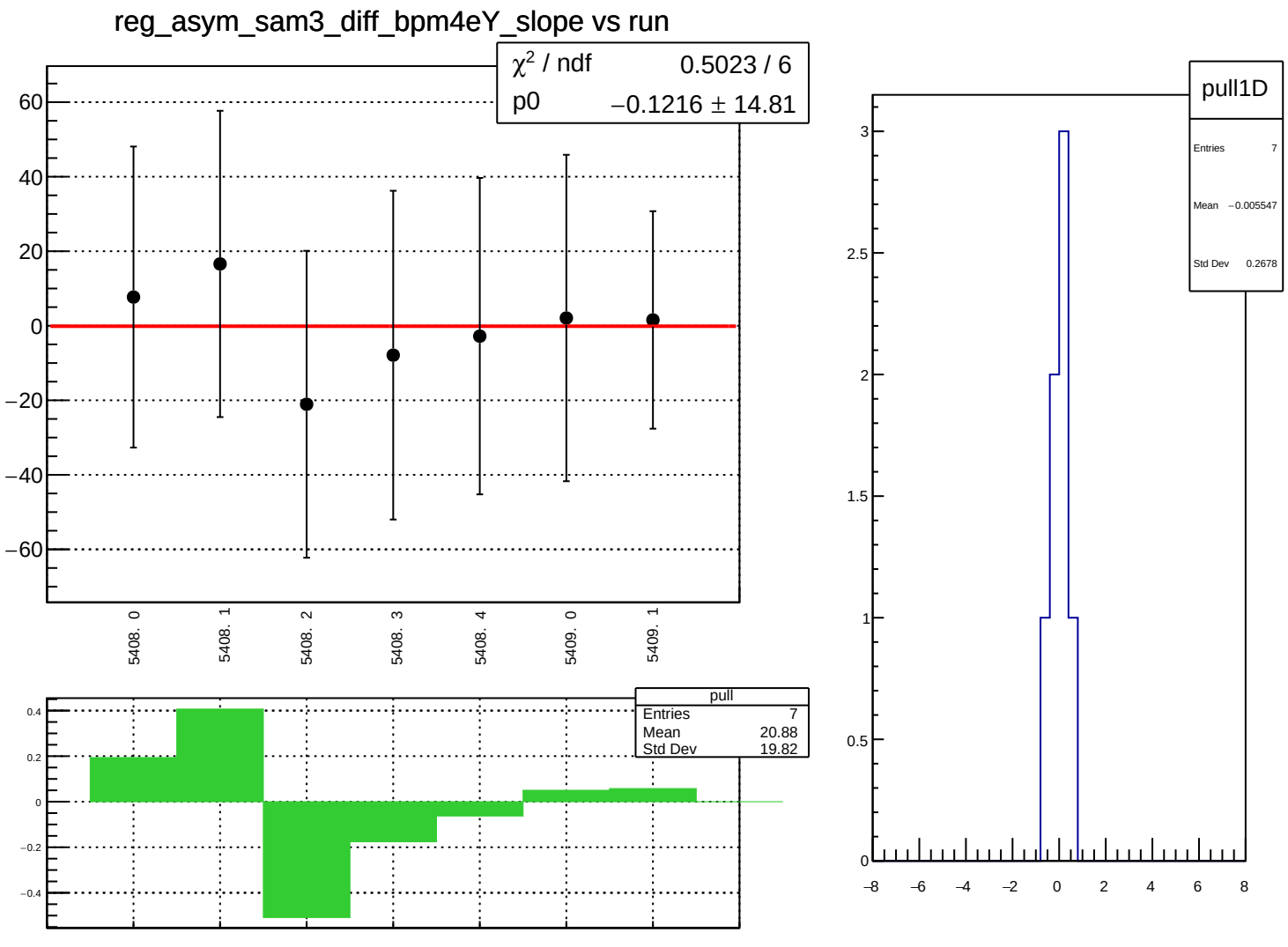

pull1D
Entries 7
Mean 0.01588
Std Dev 0.2623
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

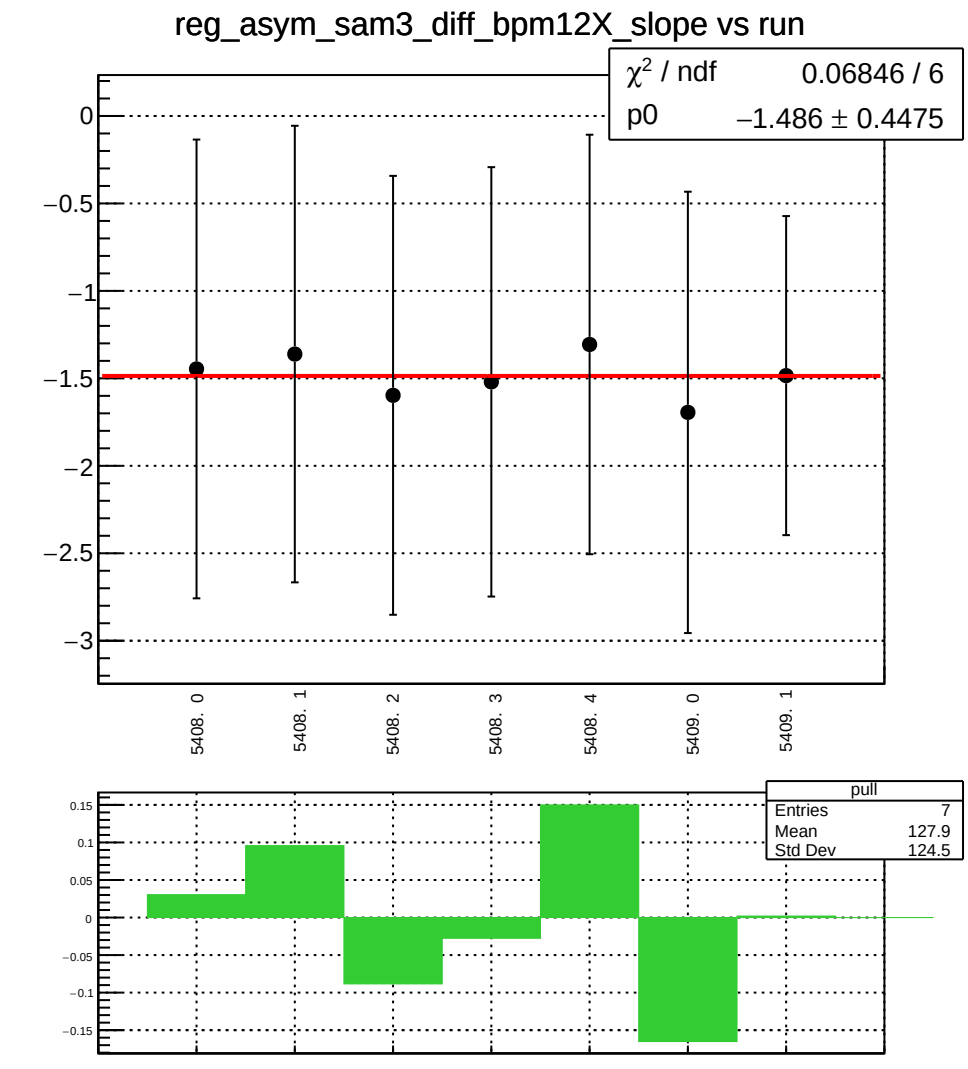

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 0.5557 / 6
p0 −1.665 ± 12.9
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 72.83
Std Dev 71.48
0.4
0.2
0
−0.2
−0.4

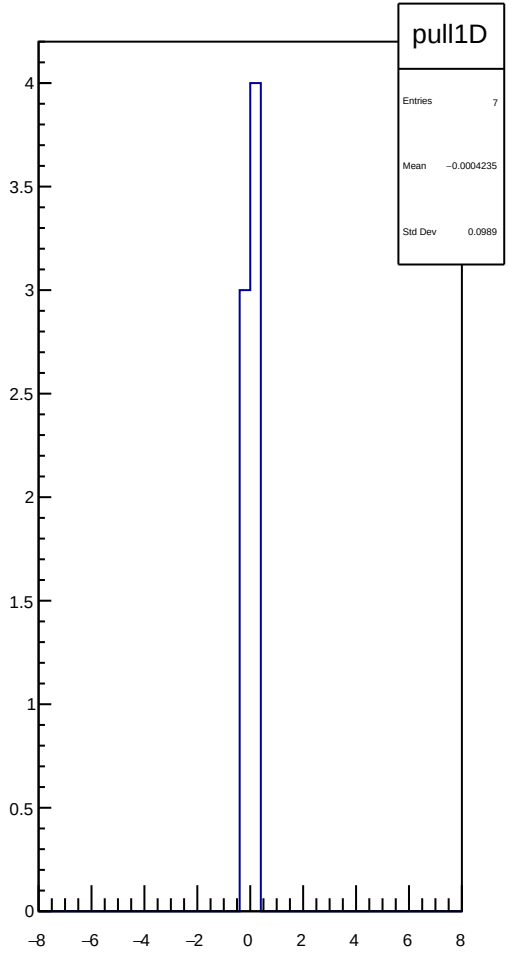

pull1D
Entries 7
Mean 0.001627
Std Dev 0.2817
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

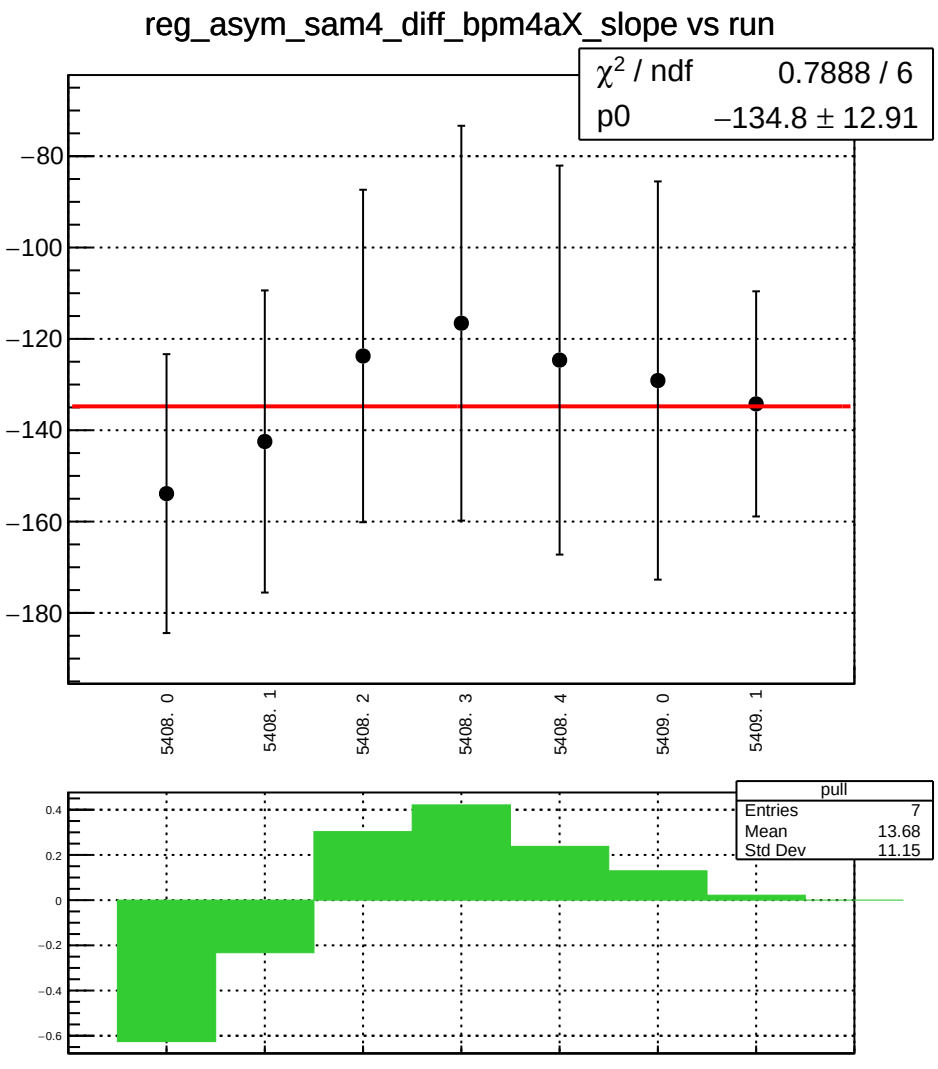

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 0.2345 / 6
p0 12.81 ± 13.91
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.362
Std Dev 6.322
0.2
0.1
0
−0.1
−0.2
−0.3

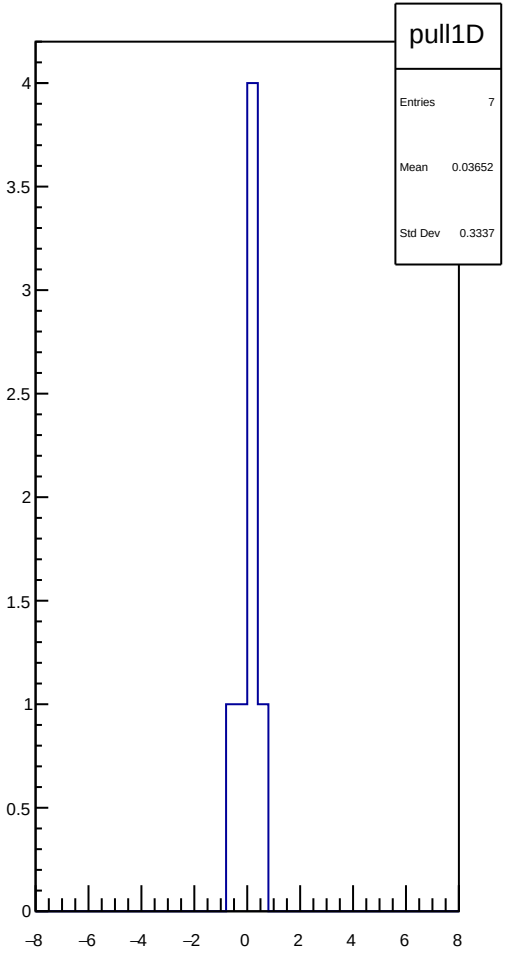

pull1D
Entries 7
Mean −0.00691
Std Dev 0.1829
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

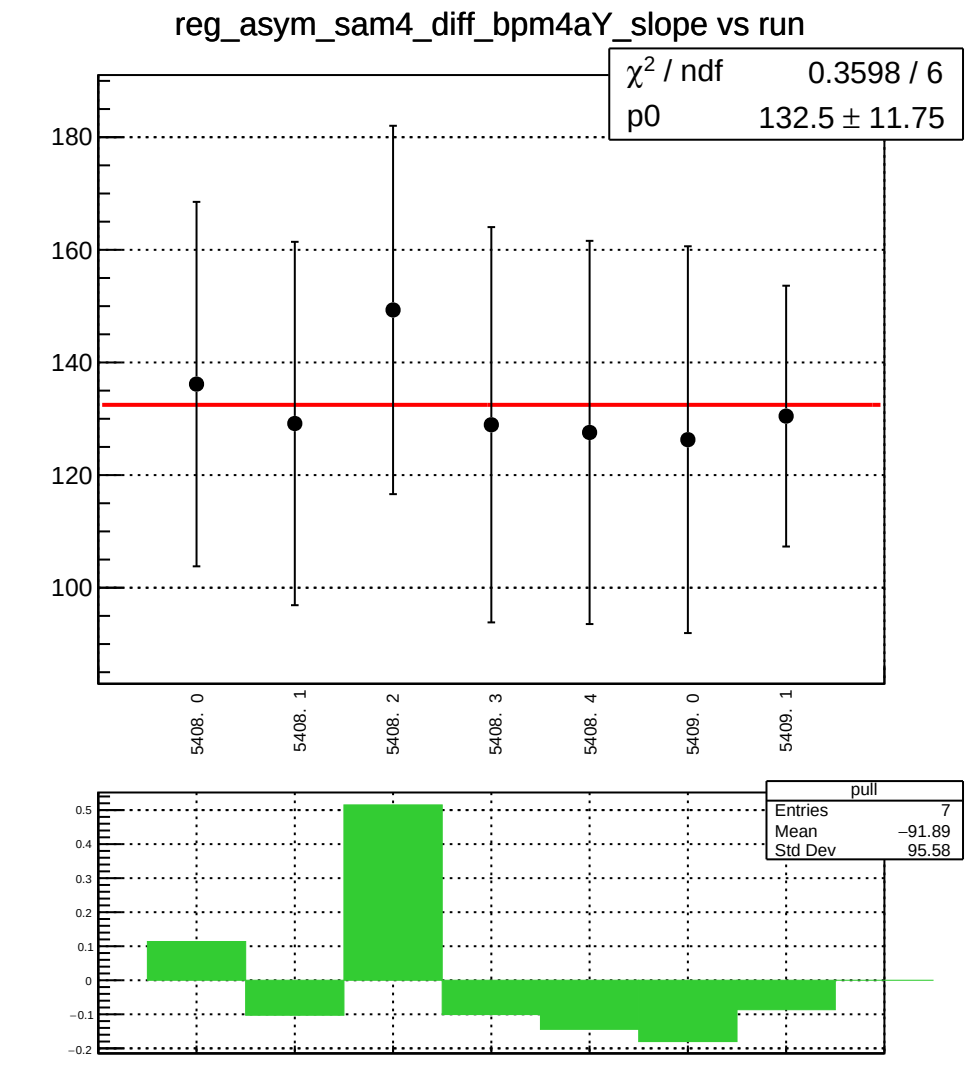

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 0.5023 / 6
p0 −0.1216 ± 14.81
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 20.88
Std Dev 19.82
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean −0.005547
Std Dev 0.2678
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

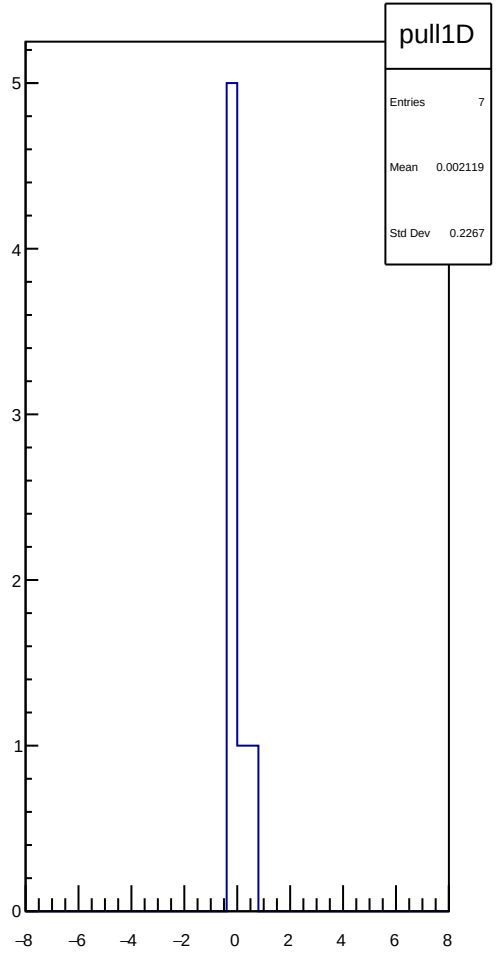

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.06846 / 6
p0 −1.486 ± 0.4475
0
−0.5
−1
−1.5
−2
−2.5
−3
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 127.9
Std Dev 124.5
0.15
0.1
0.05
0
−0.05
−0.1
−0.15

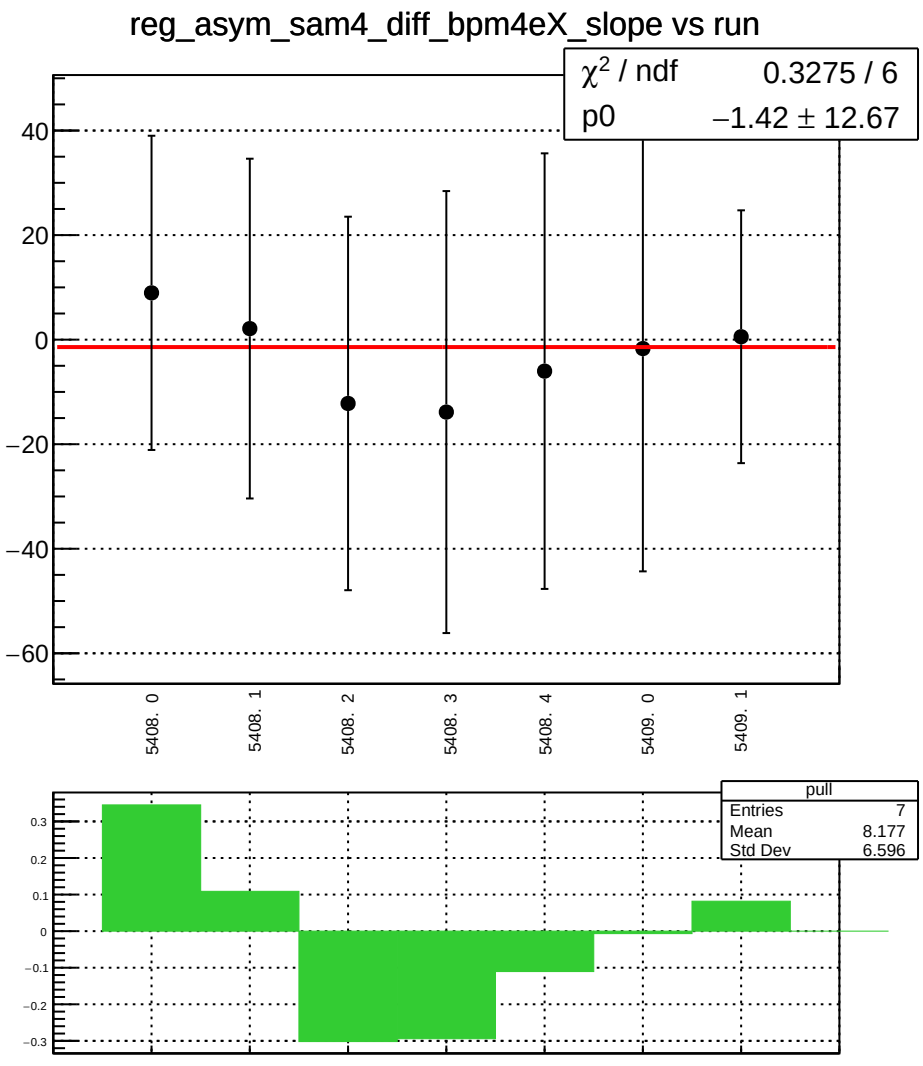

pull1D
Entries 7
Mean −0.0004235
Std Dev 0.0989
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

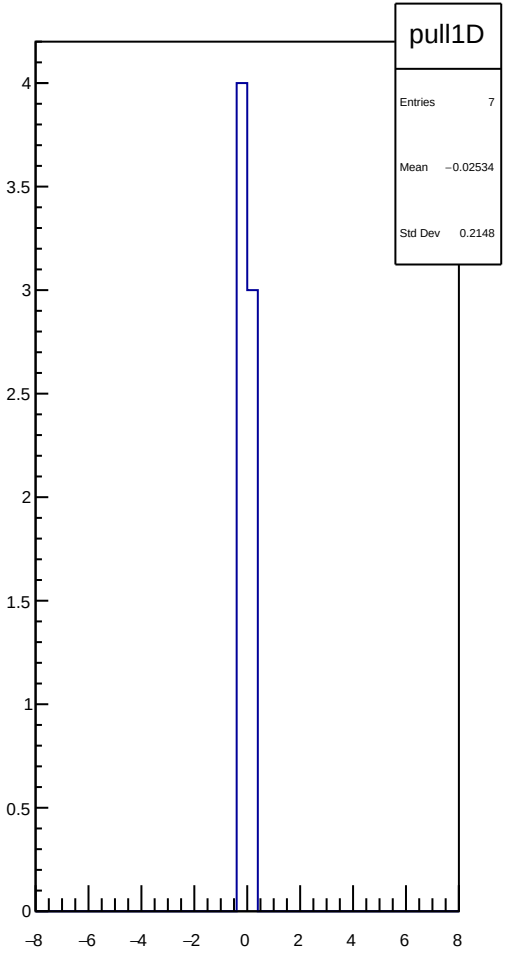

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 0.7888 / 6
p0 −134.8 ± 12.91
−80
−100
−120
−140
−160
−180
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 13.68
Std Dev 11.15
0.4
0.2
0
−0.2
−0.4
−0.6

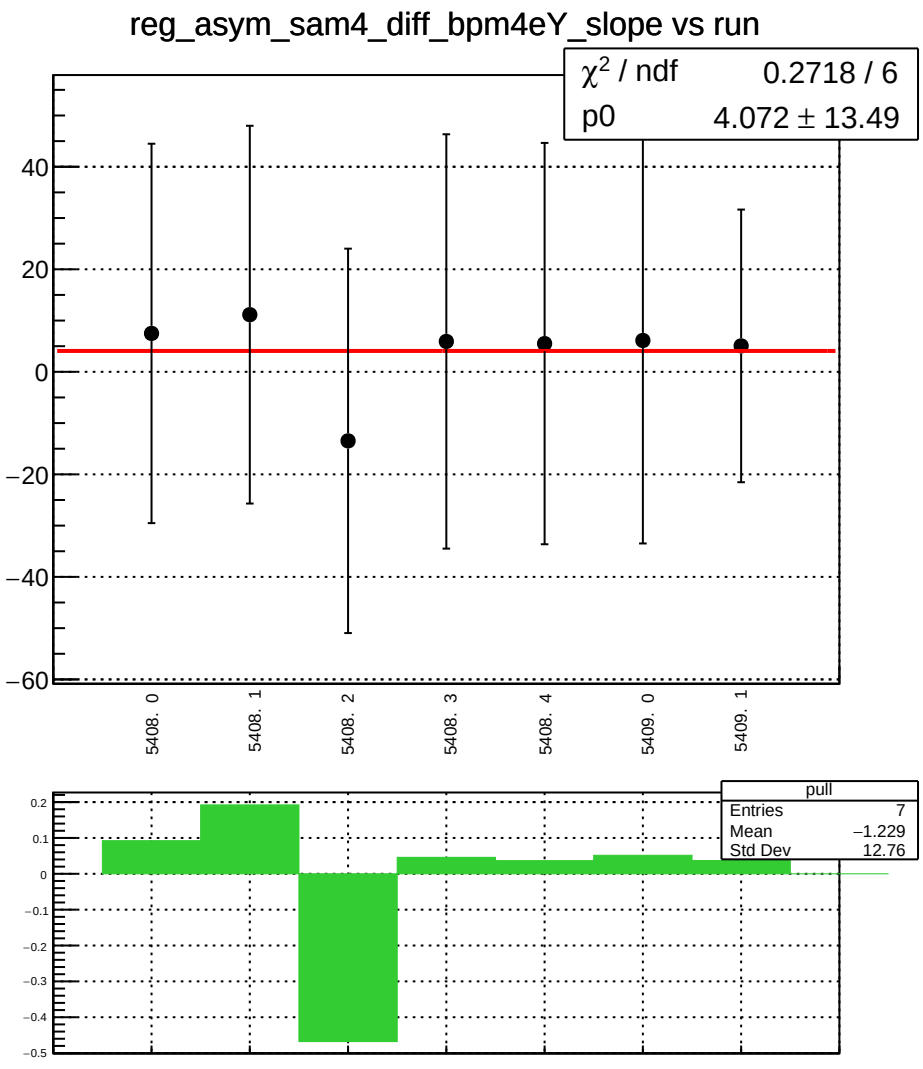

pull1D
Entries 7
Mean 0.03652
Std Dev 0.3337
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

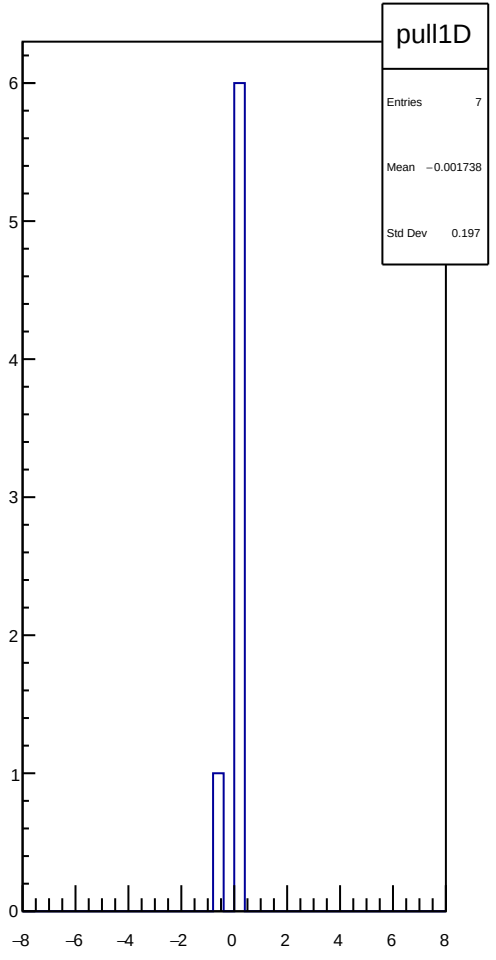

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 0.3598 / 6
p0 132.5 ± 11.75
180
160
140
120
100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −91.89
Std Dev 95.58
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2

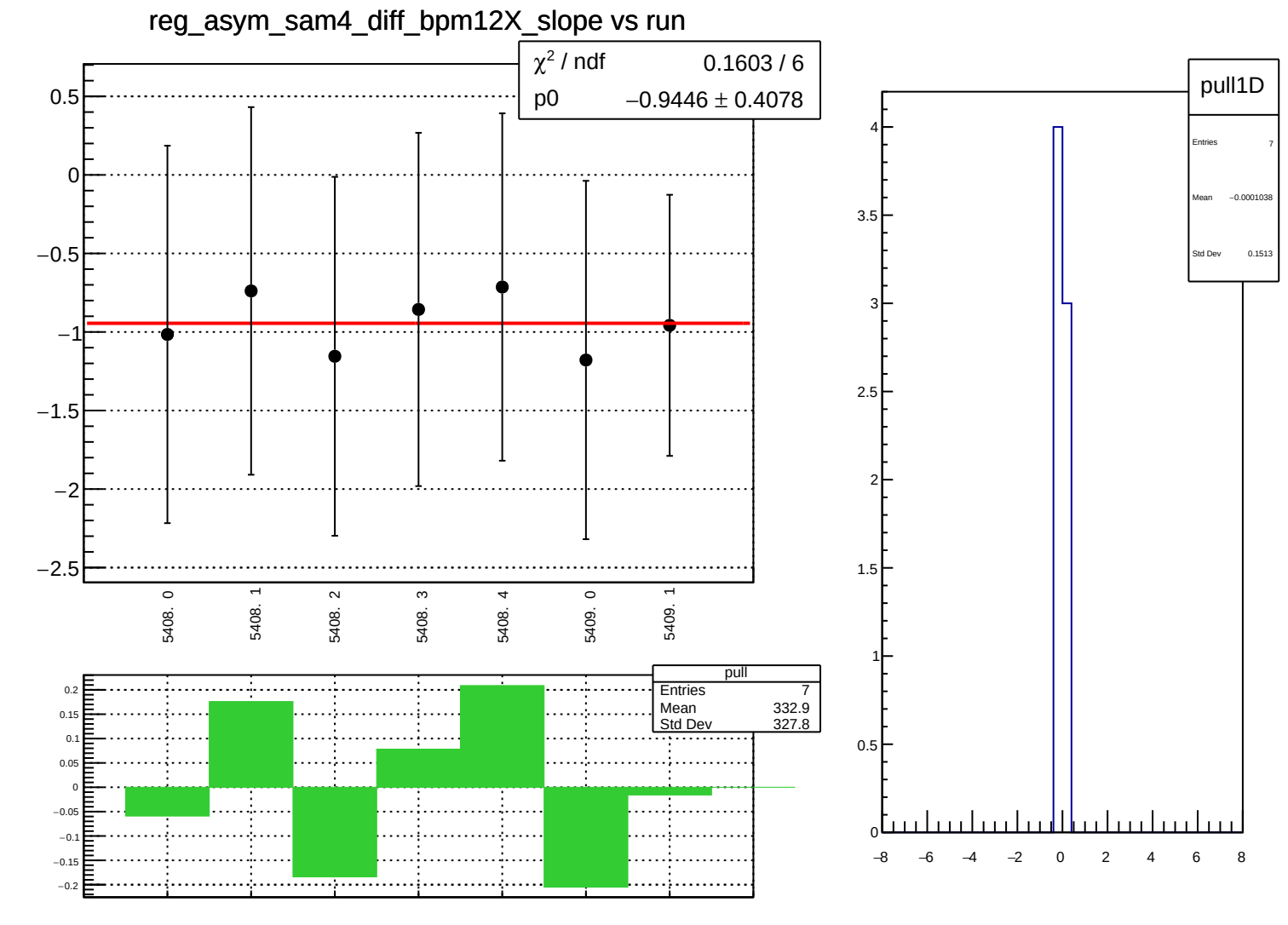

pull1D
Entries 7
Mean 0.002119
Std Dev 0.2267
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

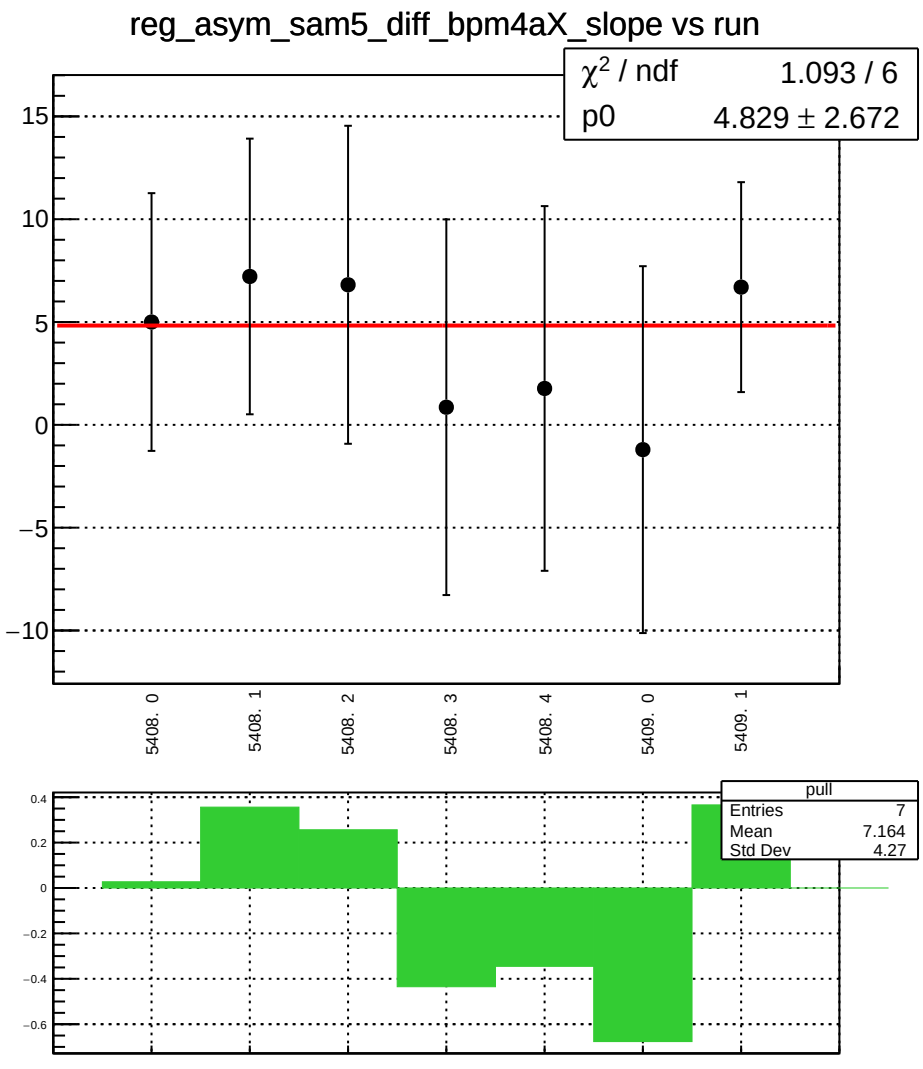

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 0.3275 / 6
p0 −1.42 ± 12.67
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.177
Std Dev 6.596
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

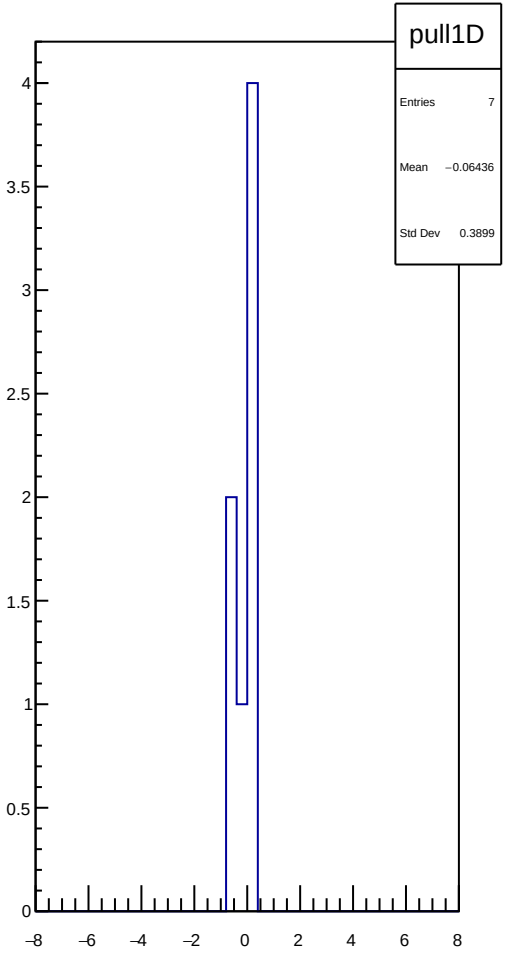

pull1D
Entries 7
Mean −0.02534
Std Dev 0.2148
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

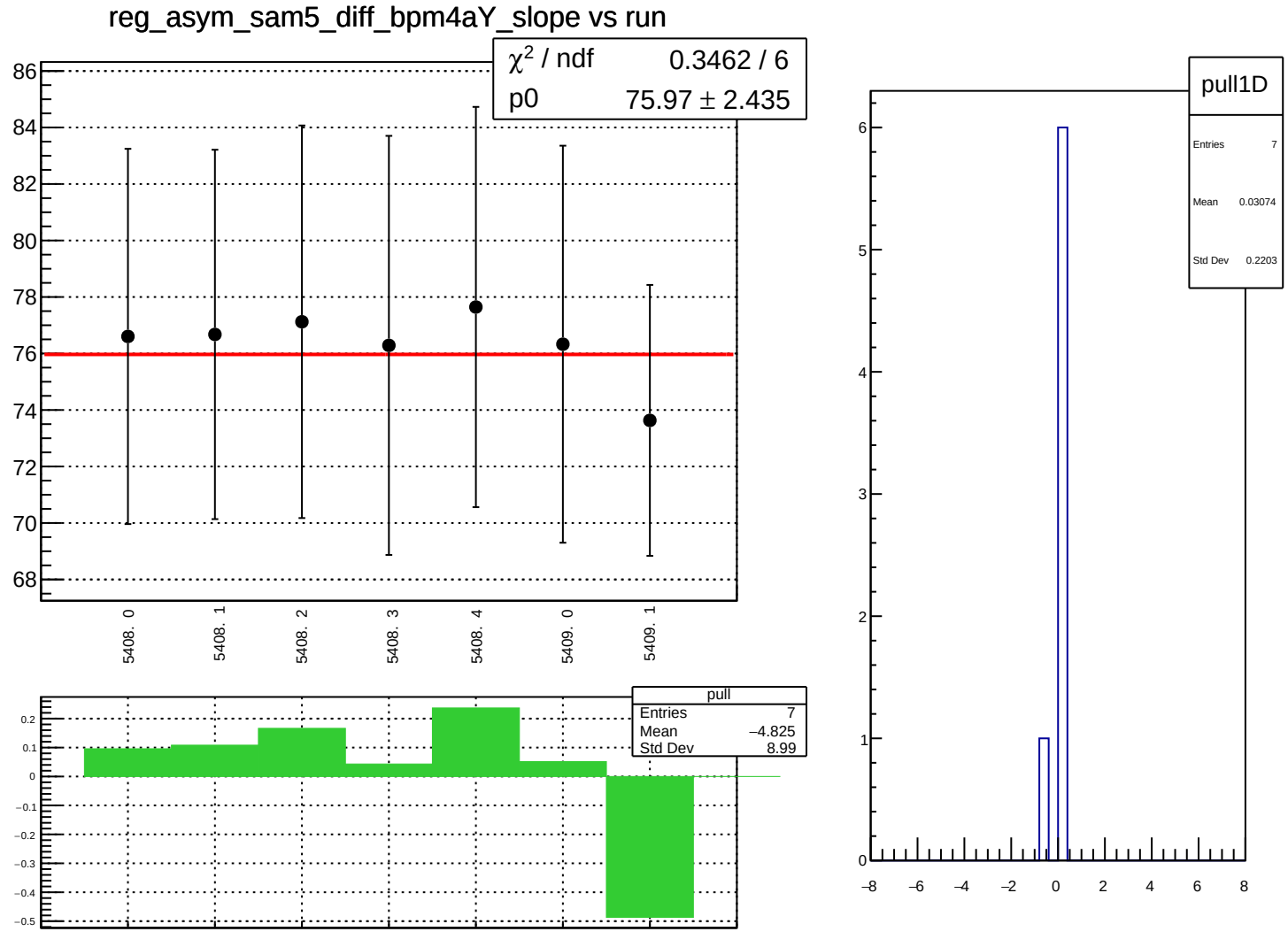

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 0.2718 / 6
p0 4.072 ± 13.49
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.229
Std Dev 12.76
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

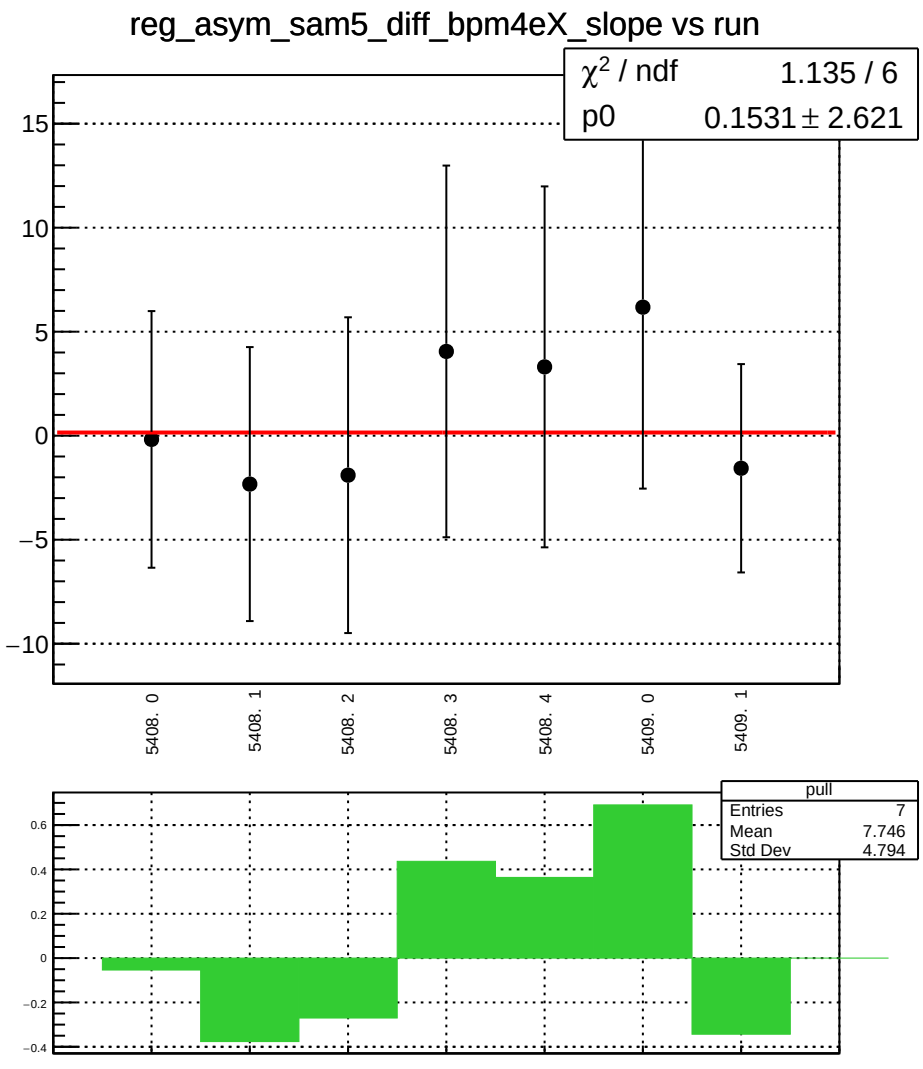

pull1D
Entries 7
Mean −0.001738
Std Dev 0.197
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

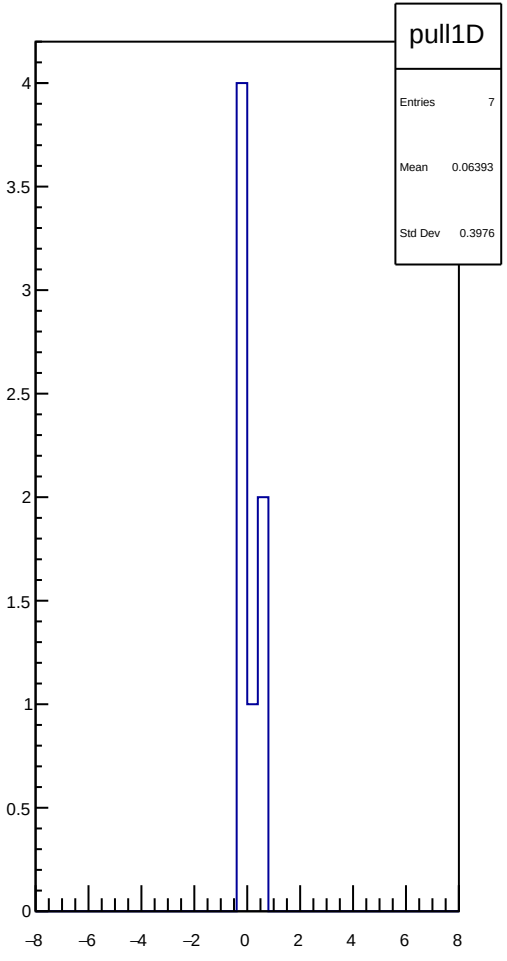

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 0.1603 / 6
p0 −0.9446 ± 0.4078
0.5
0
−0.5
−1
−1.5
−2
−2.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 332.9
Std Dev 327.8
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 7
Mean −0.0001038
Std Dev 0.1513
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

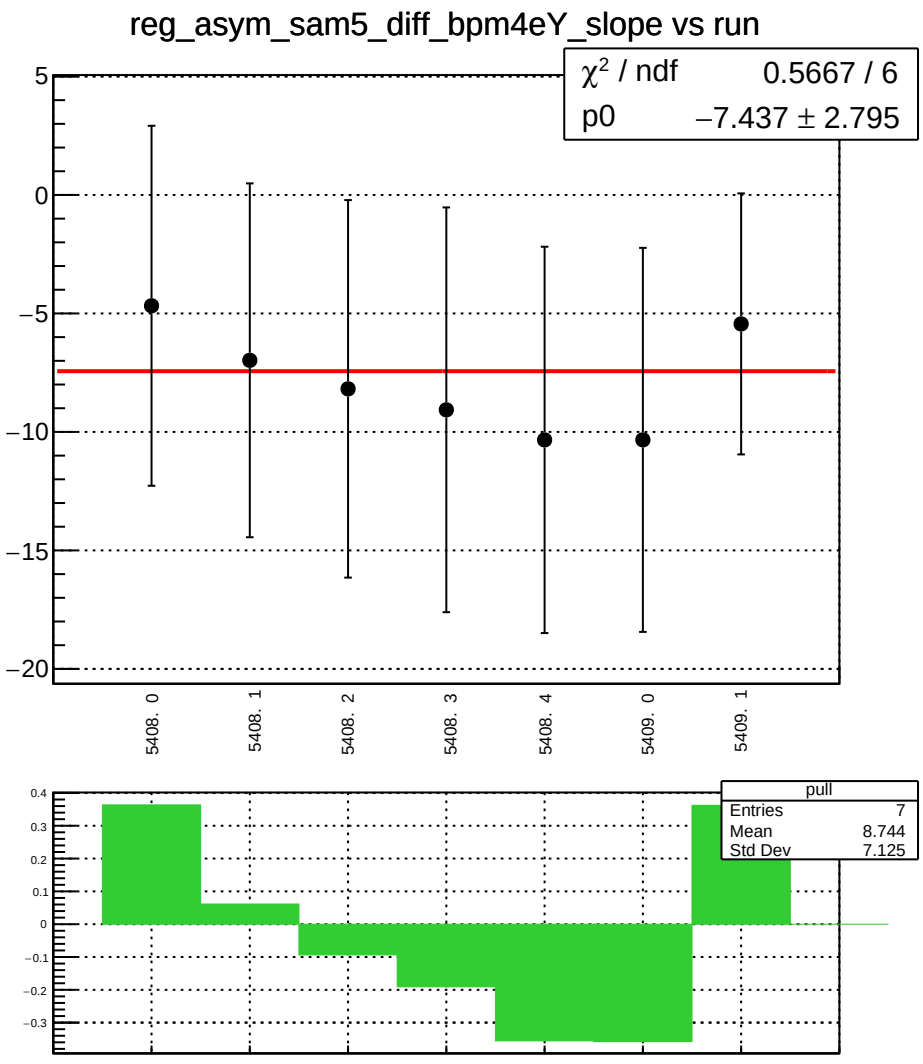

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 1.093 / 6
p0 4.829 ± 2.672
15
10
5
0
−5
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.164
Std Dev 4.27
0.4
0.2
0
−0.2
−0.4
−0.6

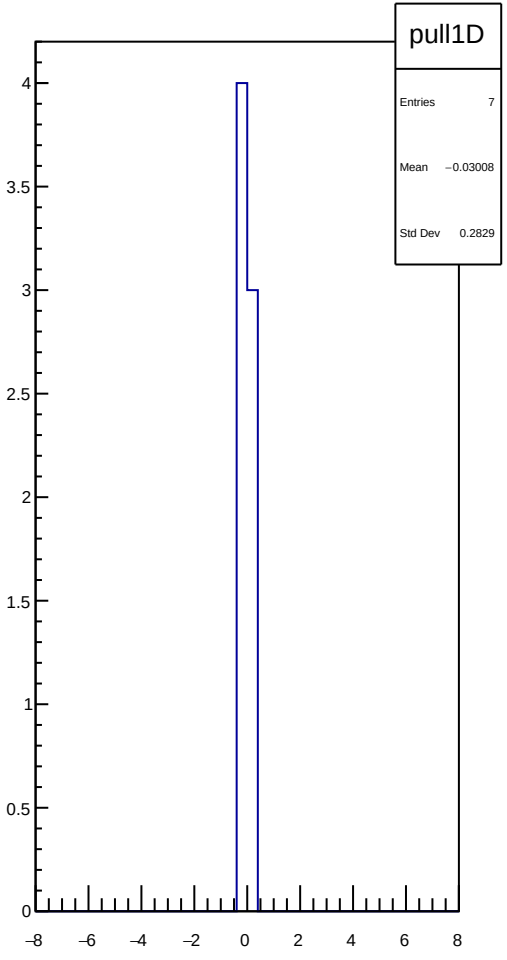

pull1D
Entries 7
Mean −0.06436
Std Dev 0.3899
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

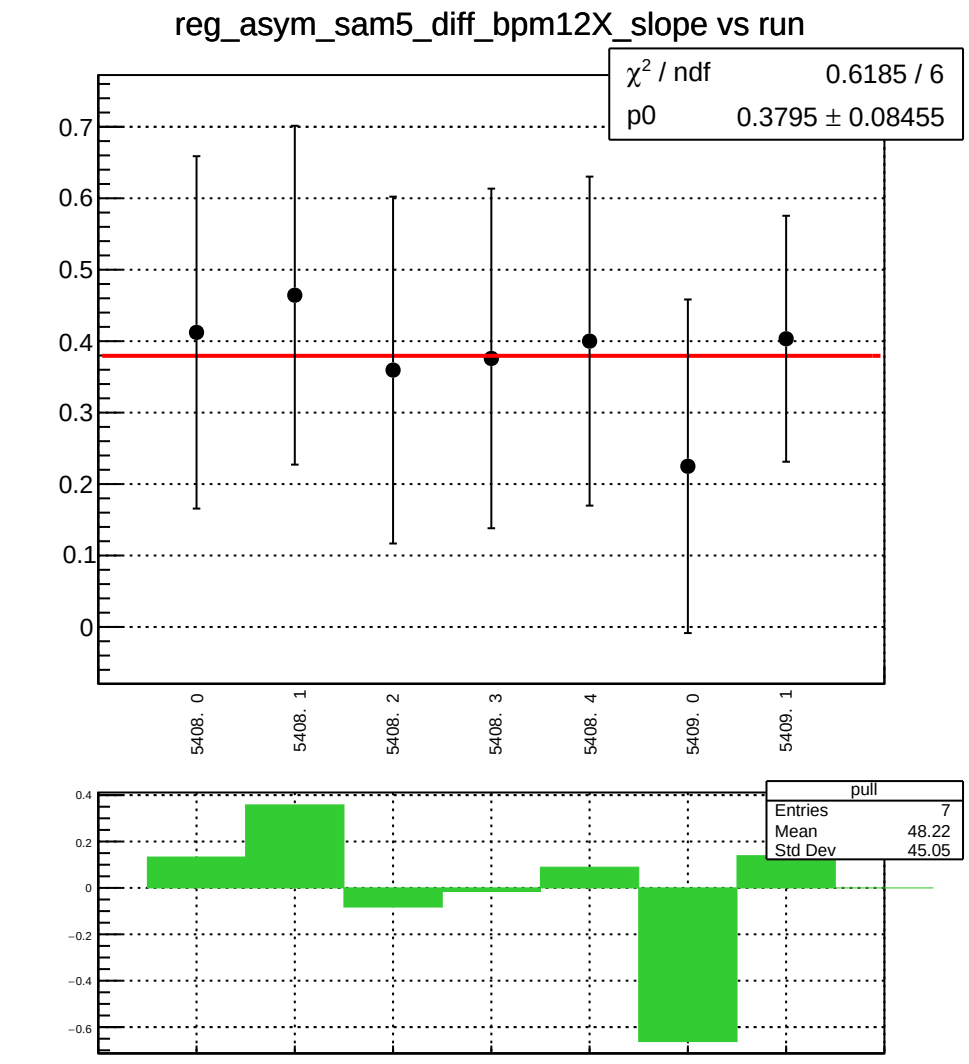

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 0.3462 / 6
p0 75.97 ± 2.435
86
84
82
80
78
76
74
72
70
68
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −4.825
Std Dev 8.99
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 7
Mean 0.03074
Std Dev 0.2203
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

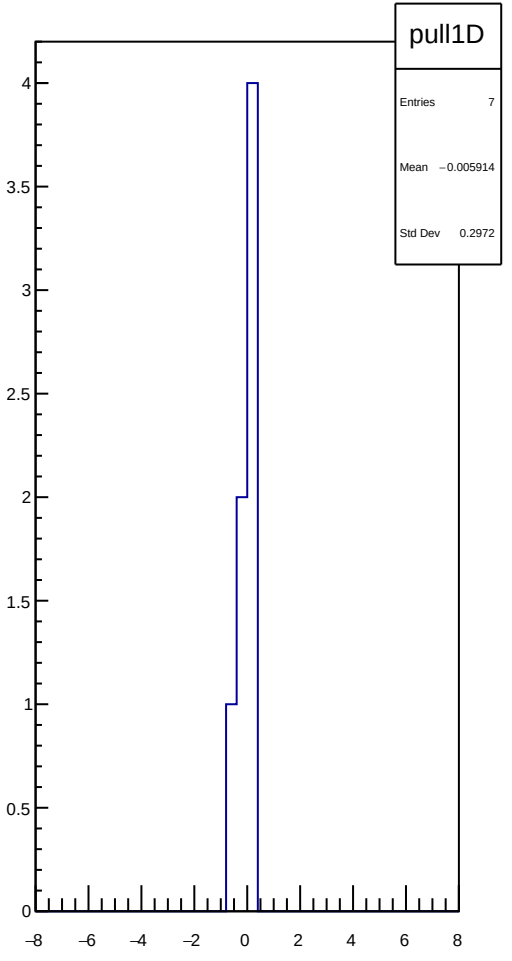

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.135 / 6
p0 0.1531 ± 2.621
15
10
5
0
−5
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.746
Std Dev 4.794
0.6
0.4
0.2
0
−0.2
−0.4

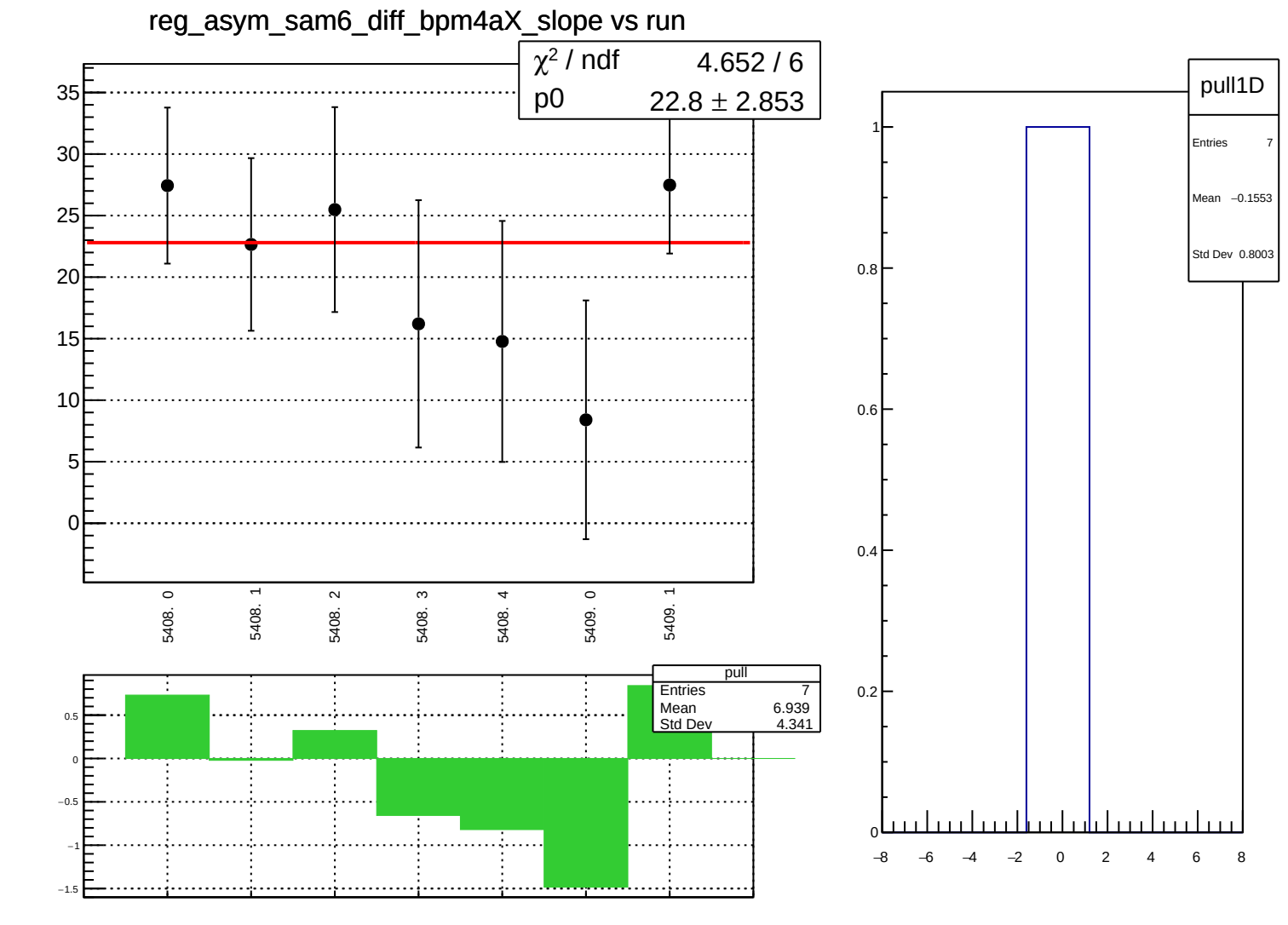

pull1D
Entries 7
Mean 0.06393
Std Dev 0.3976
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

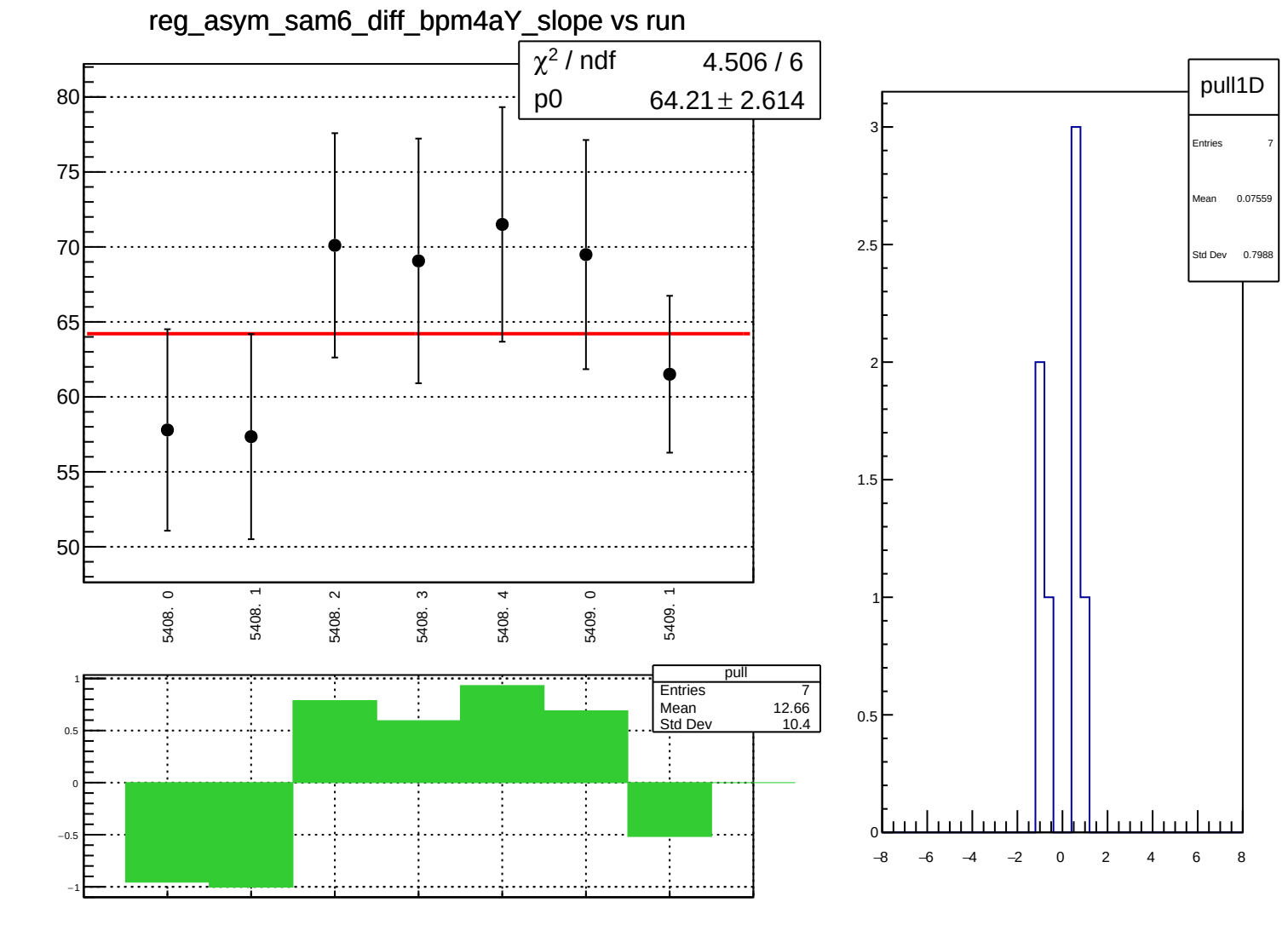

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 0.5667 / 6
p0 −7.437 ± 2.795
5
0
−5
−10
−15
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.744
Std Dev 7.125
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

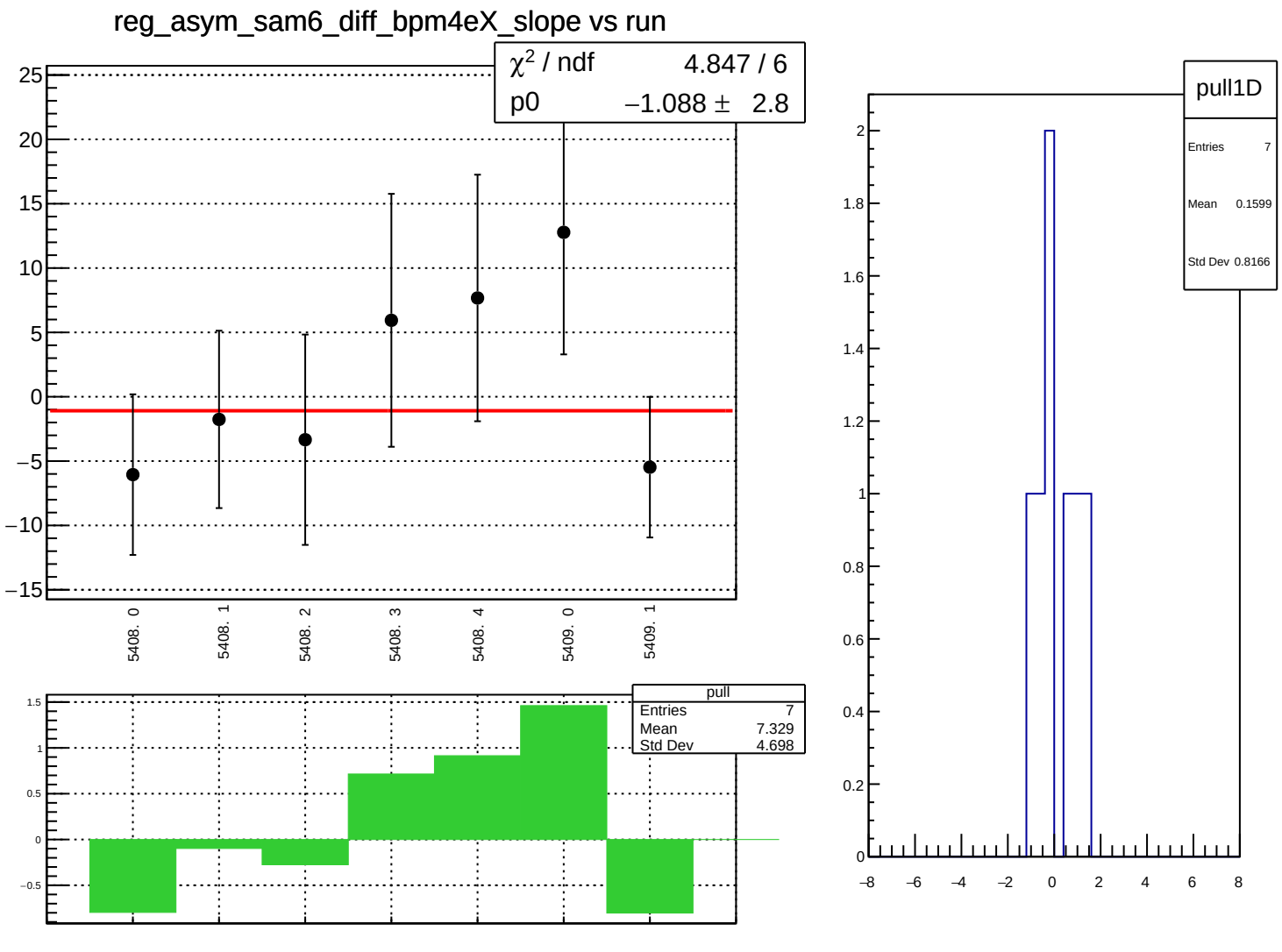

pull1D
Entries 7
Mean −0.03008
Std Dev 0.2829
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

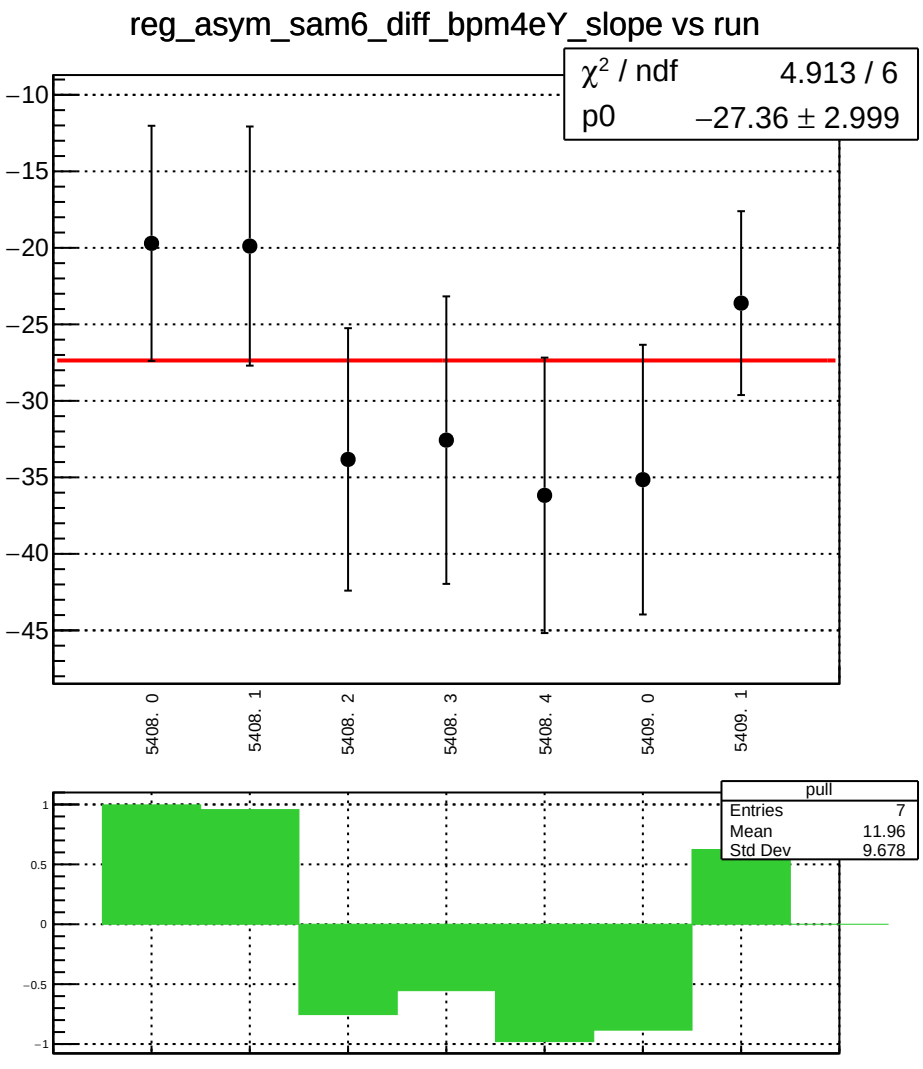

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 0.6185 / 6
p0 0.3795 ± 0.08455
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 48.22
Std Dev 45.05
0.4
0.2
0
−0.2
−0.4
−0.6

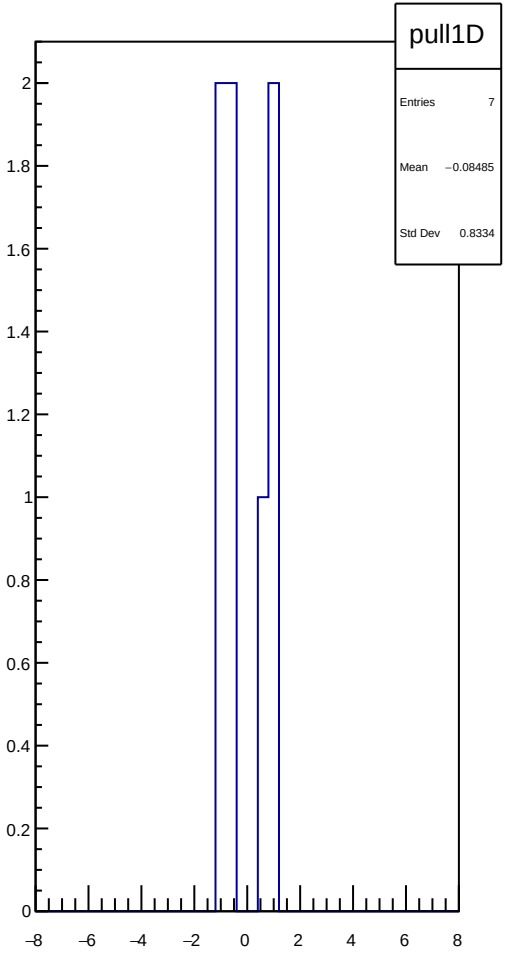

pull1D
Entries 7
Mean −0.005914
Std Dev 0.2972
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

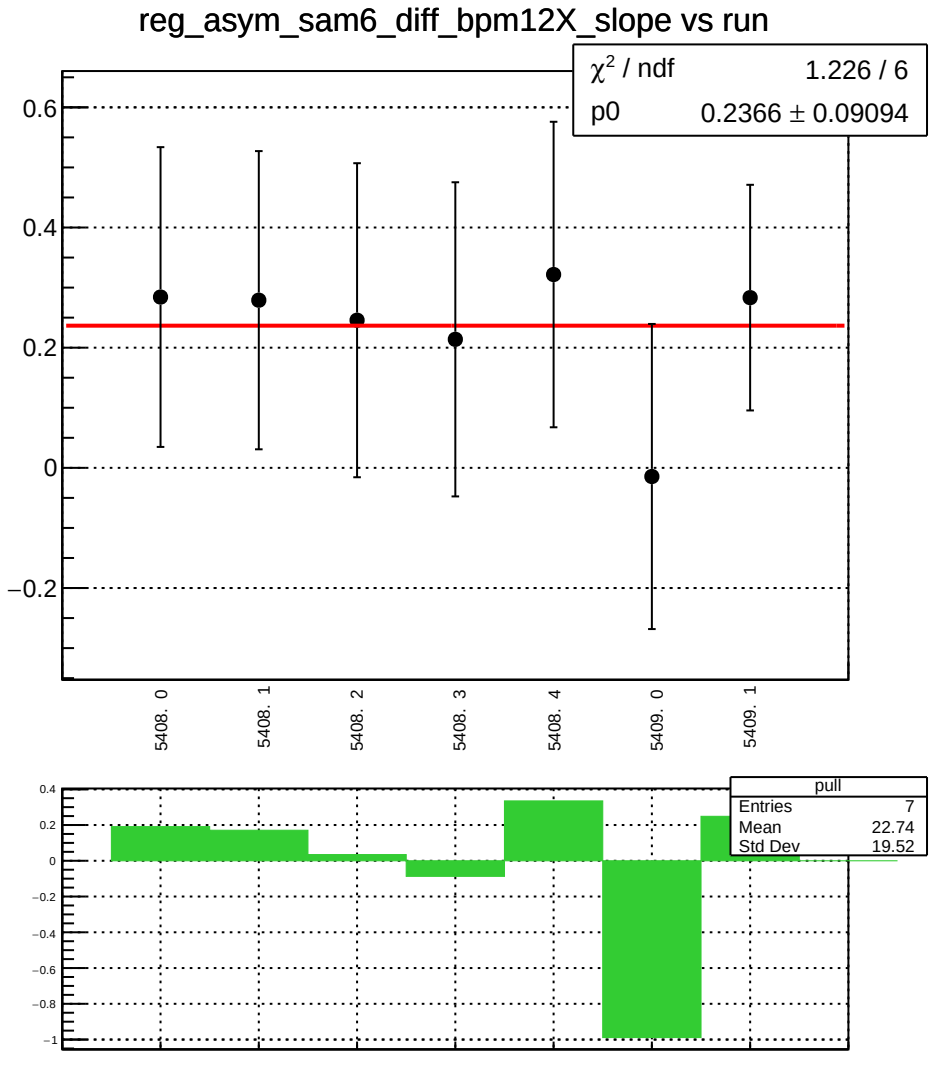

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 4.652 / 6
p0 22.8 ± 2.853
35
30
25
20
15
10
5
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.939
Std Dev 4.341
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.1553
Std Dev 0.8003
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

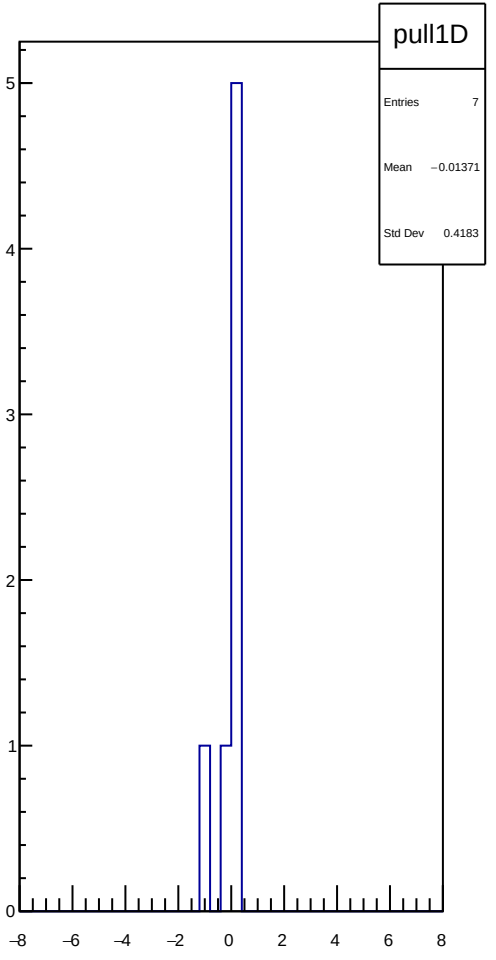

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 4.506 / 6
p0 64.21 ± 2.614
80
75
70
65
60
55
50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.66
Std Dev 10.4
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.07559
Std Dev 0.7988
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

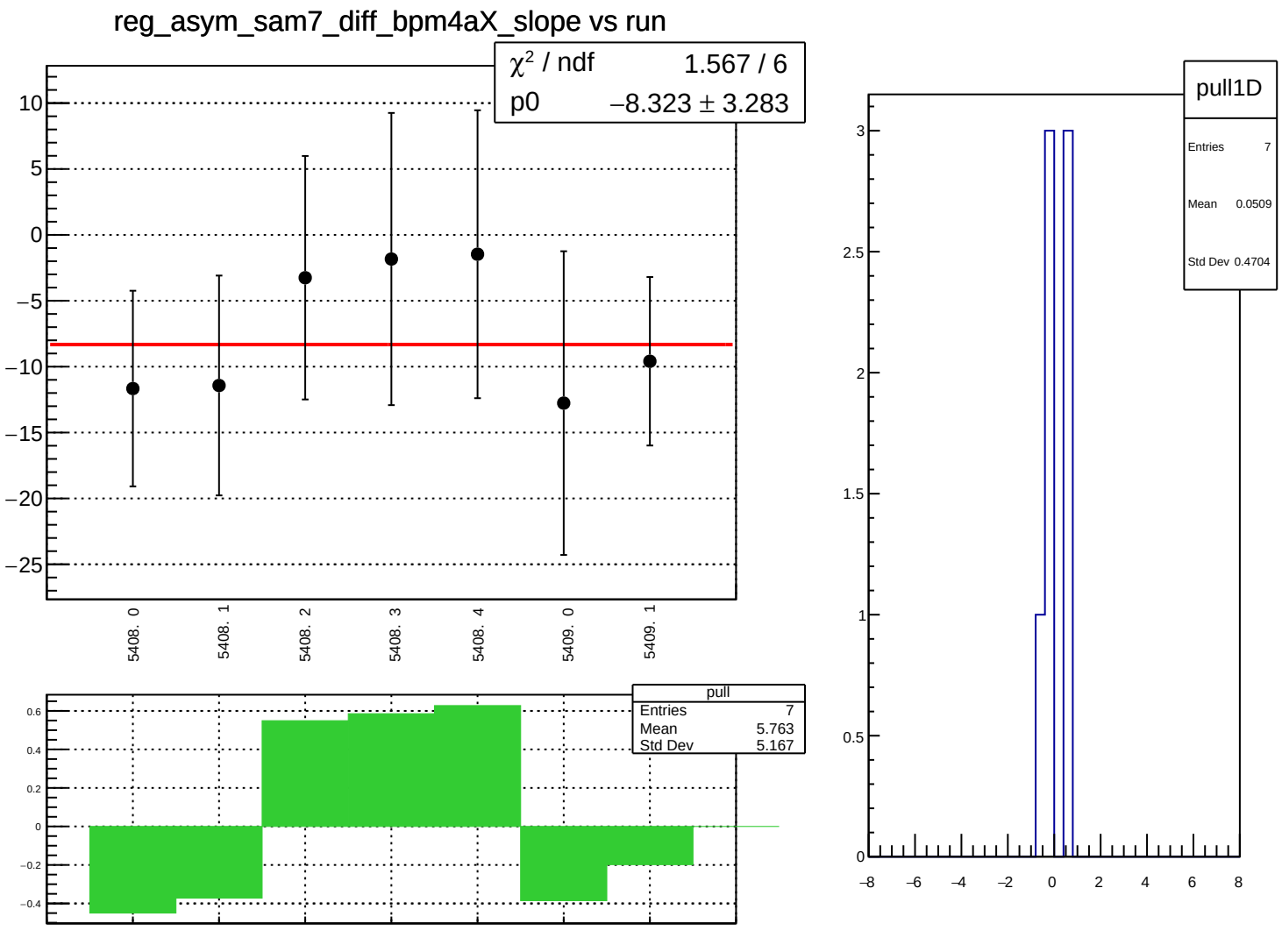

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.847 / 6
p0 −1.088 ± 2.8
25
20
15
10
5
0
−5
−10
−15
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.329
Std Dev 4.698
1.5
1
0.5
0
−0.5
pull1D
Entries 7
Mean 0.1599
Std Dev 0.8166
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

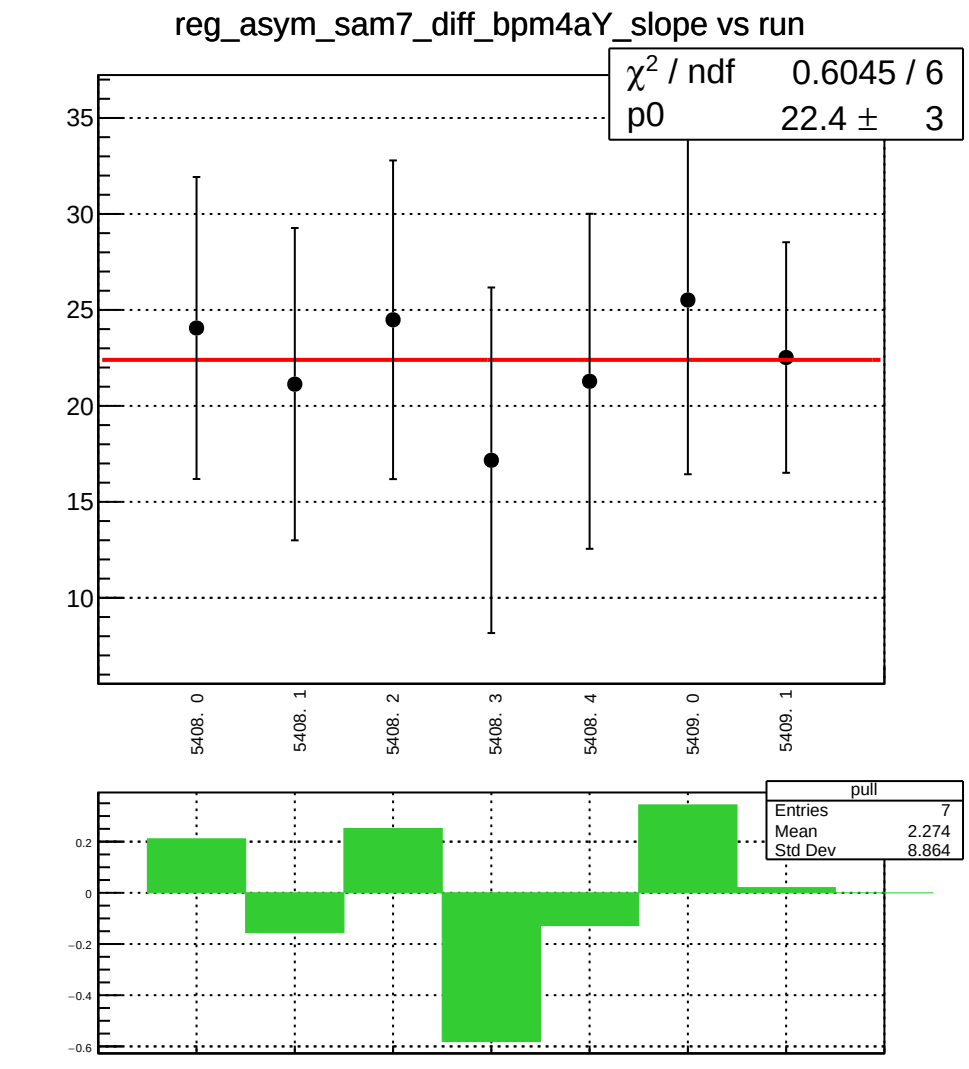

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 4.913 / 6
p0 −27.36 ± 2.999
−10
−15
−20
−25
−30
−35
−40
−45
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 11.96
Std Dev 9.678
1
0.5
0
−0.5
−1

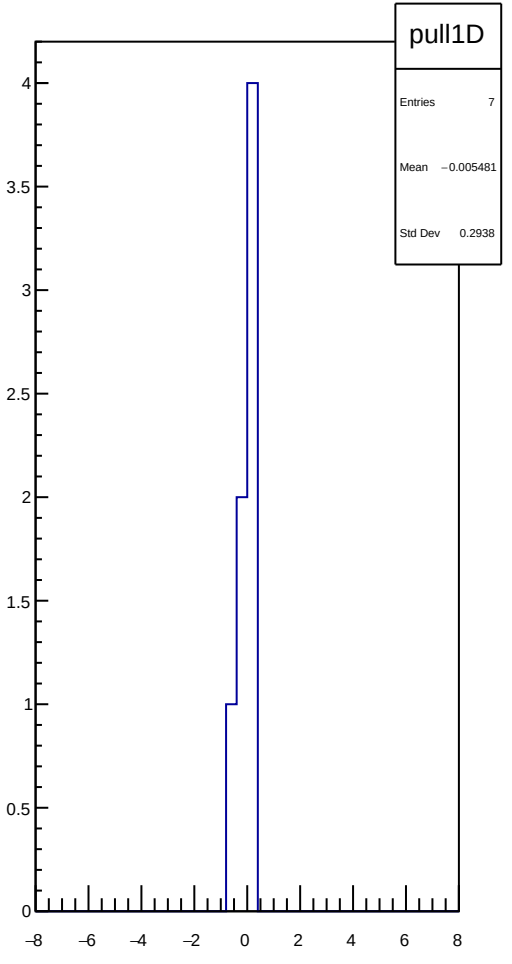

pull1D
Entries 7
Mean −0.08485
Std Dev 0.8334
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

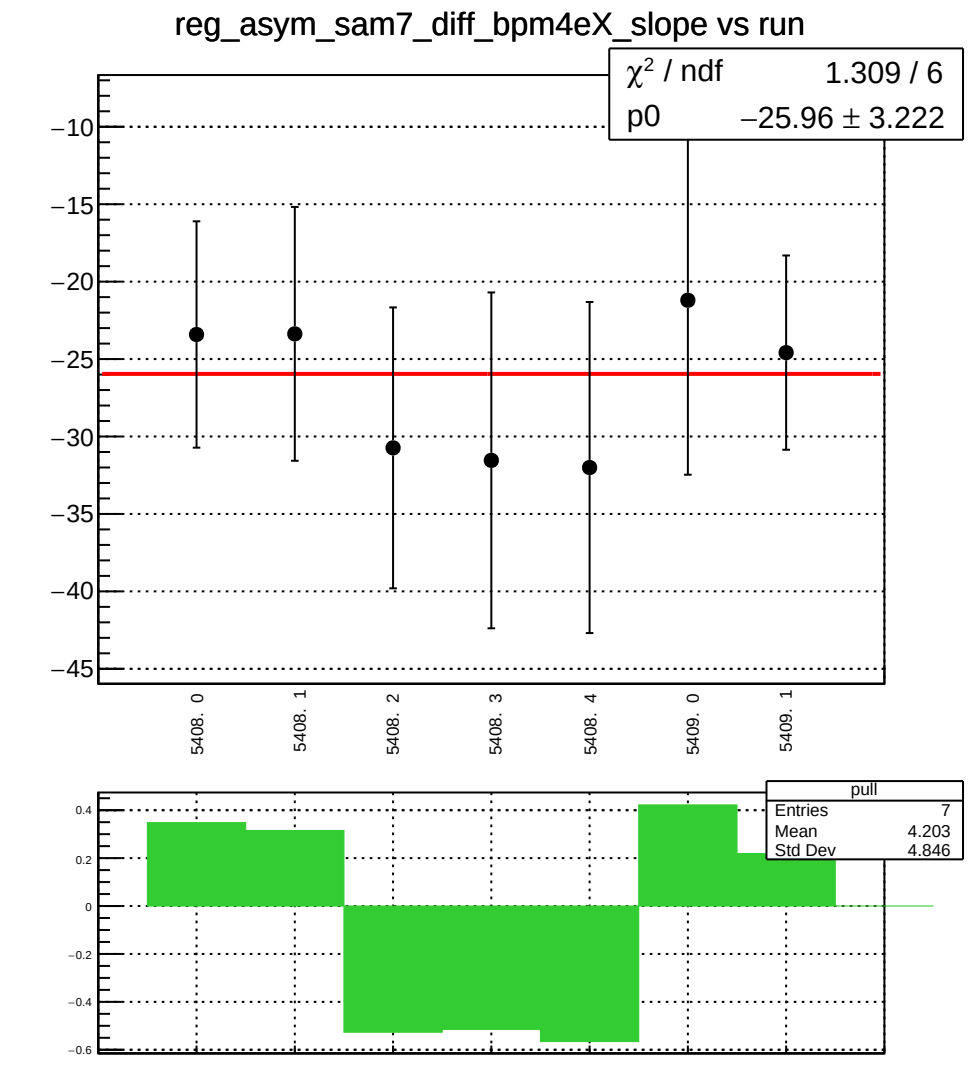

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.226 / 6
p0 0.2366 ± 0.09094
0.6
0.4
0.2
0
−0.2
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 22.74
Std Dev 19.52
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

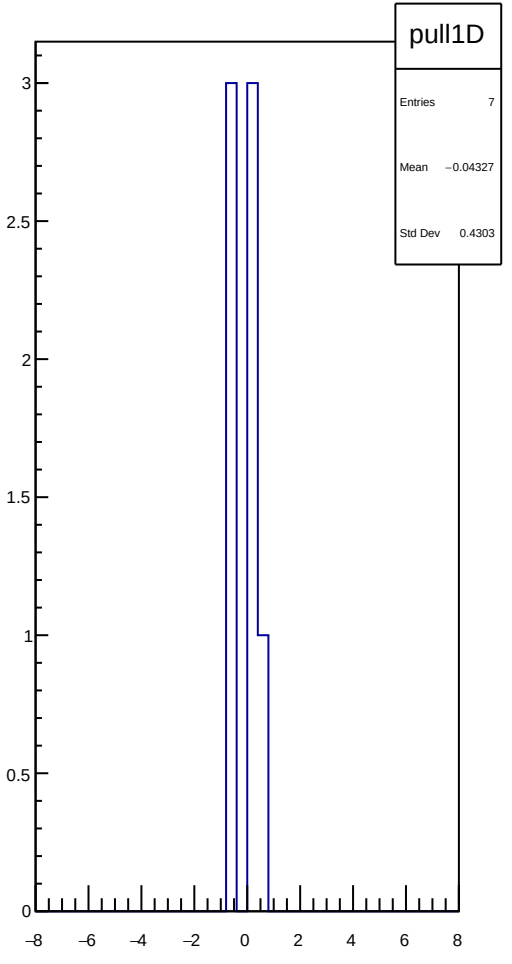

pull1D
Entries 7
Mean −0.01371
Std Dev 0.4183
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

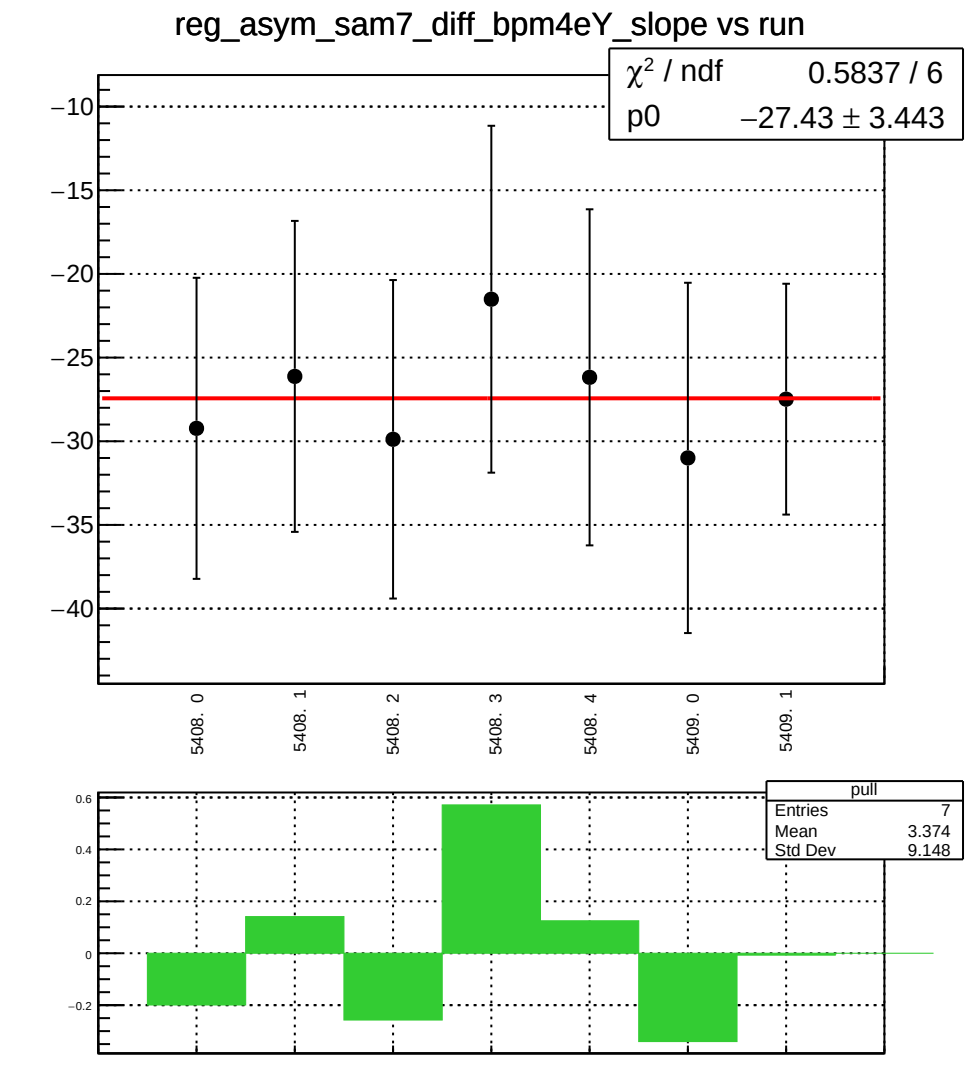

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 1.567 / 6
p0 −8.323 ± 3.283
10
5
0
−5
−10
−15
−20
−25
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.763
Std Dev 5.167
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean 0.0509
Std Dev 0.4704
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

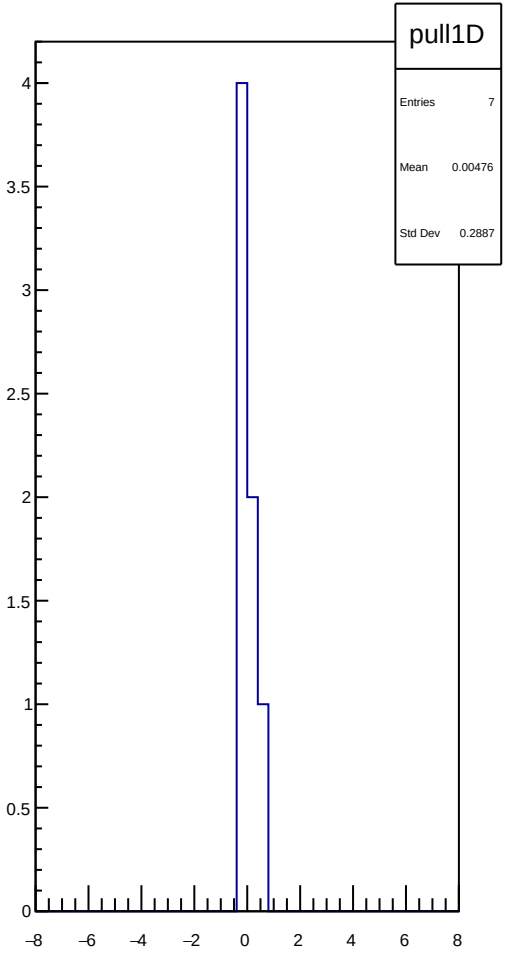

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 0.6045 / 6
p0 22.4 ± 3
35
30
25
20
15
10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 2.274
Std Dev 8.864
0.2
0
−0.2
−0.4
−0.6

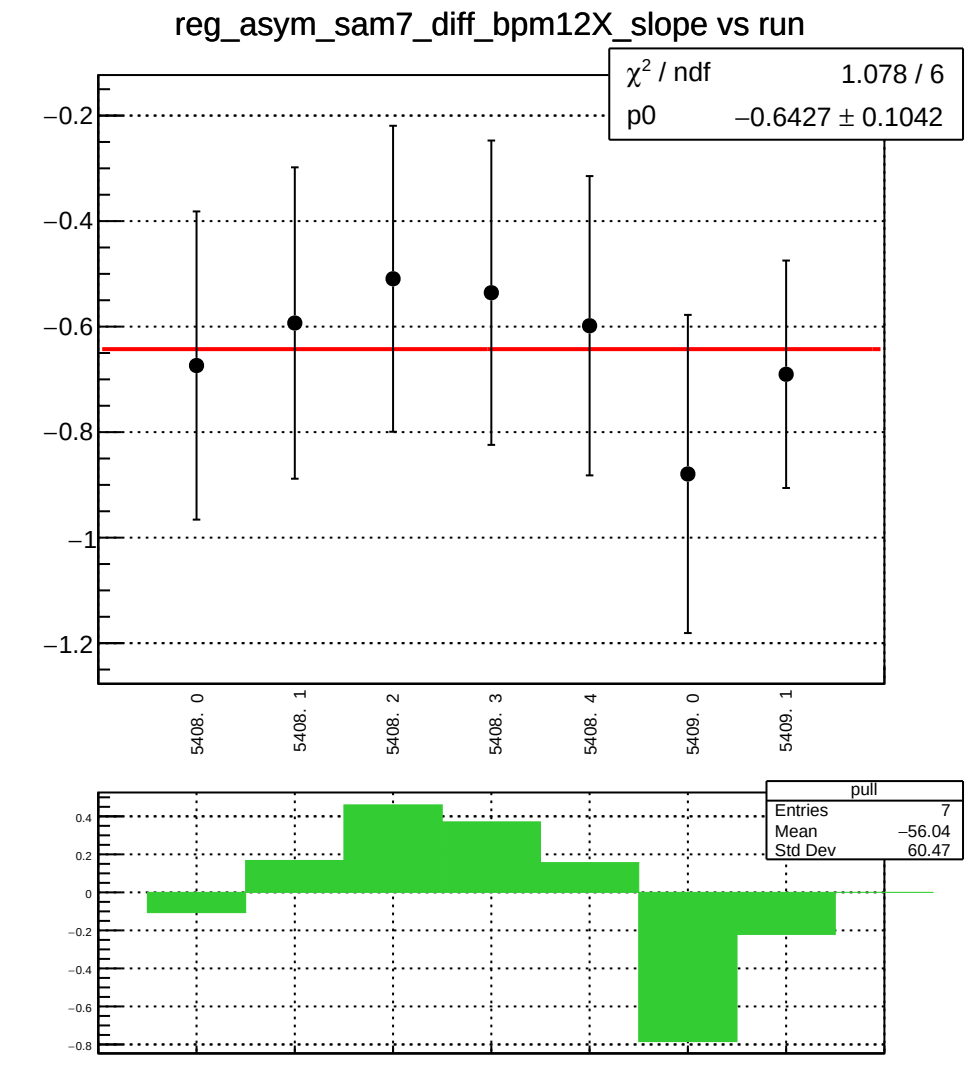

pull1D
Entries 7
Mean −0.005481
Std Dev 0.2938
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

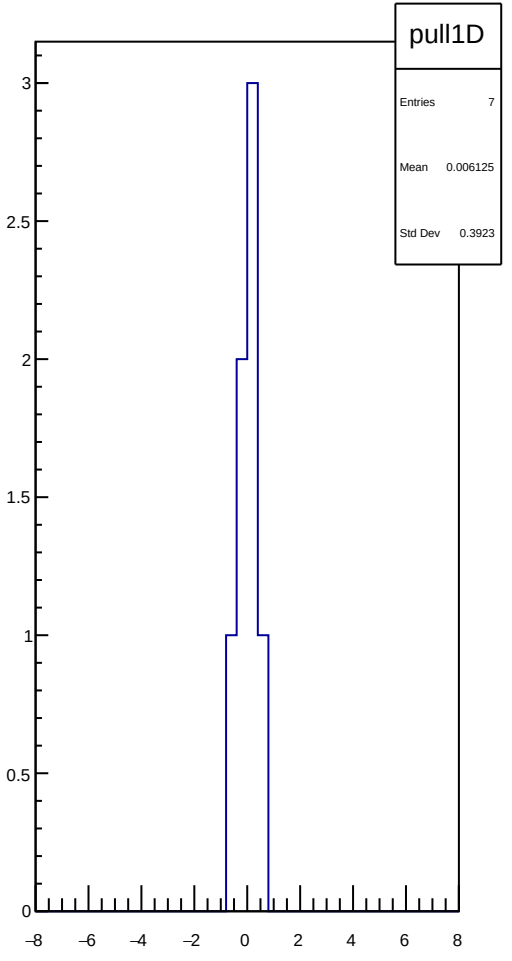

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1.309 / 6
p0 −25.96 ± 3.222
−10
−15
−20
−25
−30
−35
−40
−45
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.203
Std Dev 4.846
0.4
0.2
0
−0.2
−0.4
−0.6

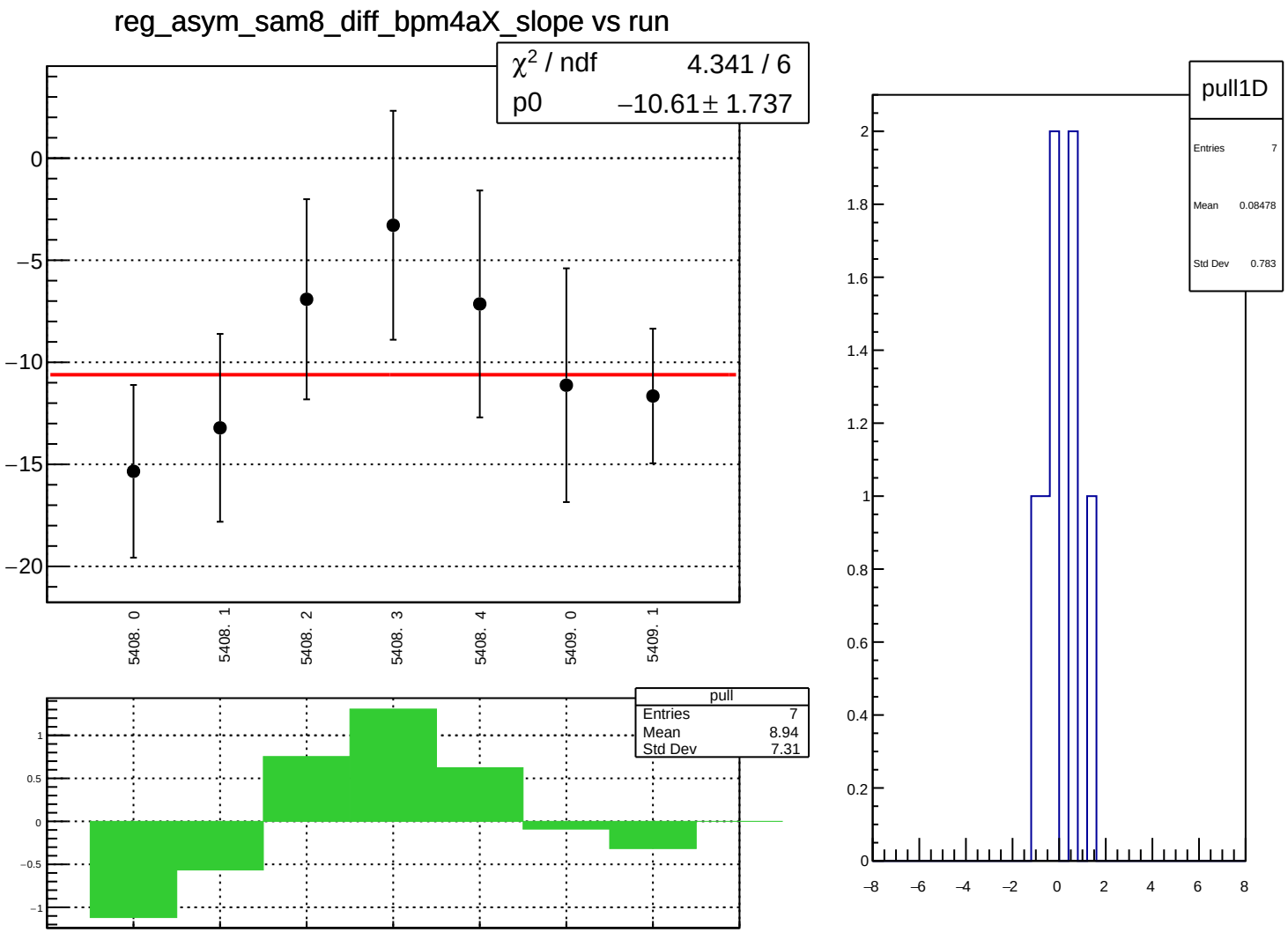

pull1D
Entries 7
Mean −0.04327
Std Dev 0.4303
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

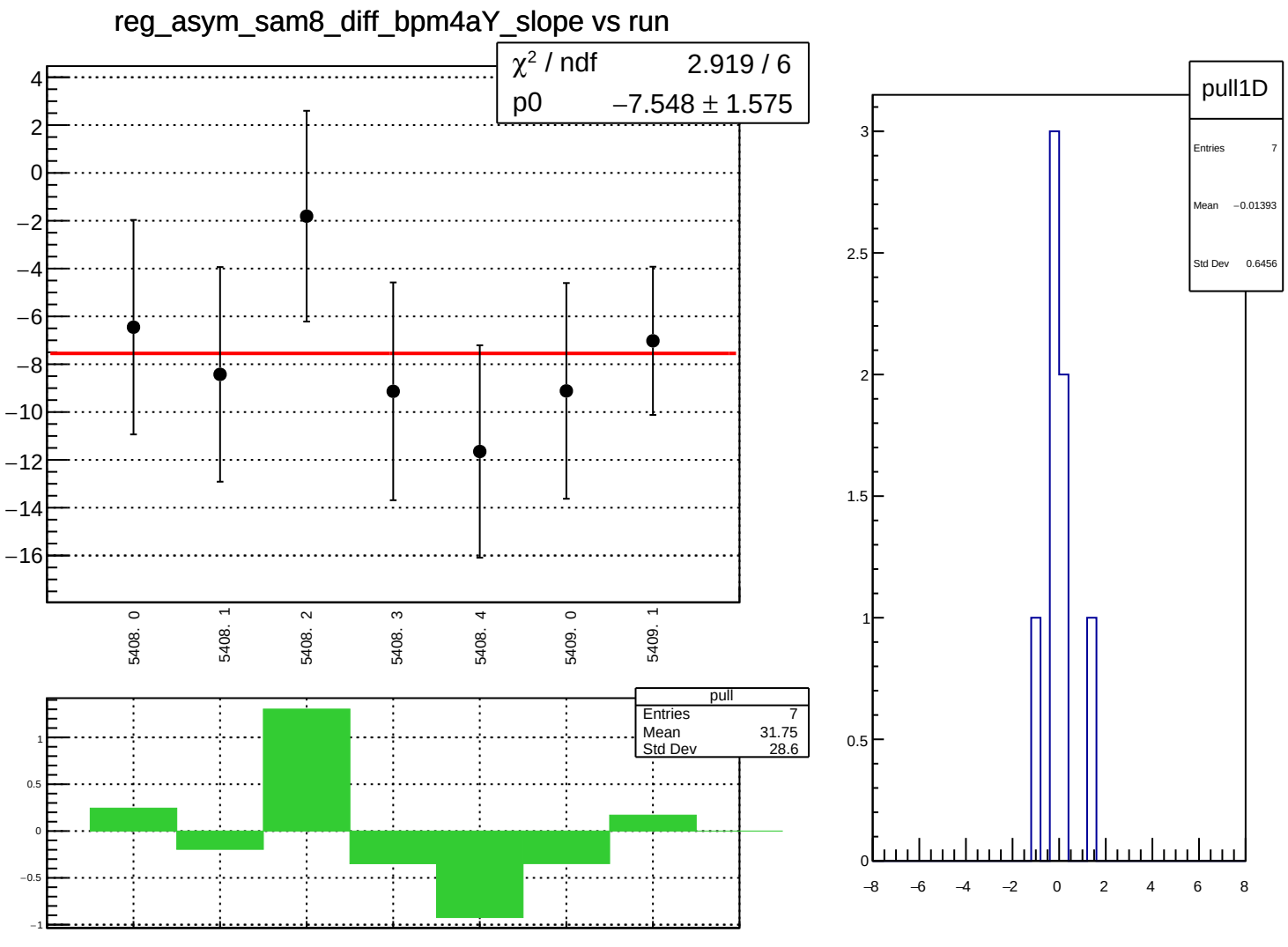

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 0.5837 / 6
p0 −27.43 ± 3.443
−10
−15
−20
−25
−30
−35
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.374
Std Dev 9.148
0.6
0.4
0.2
0
−0.2

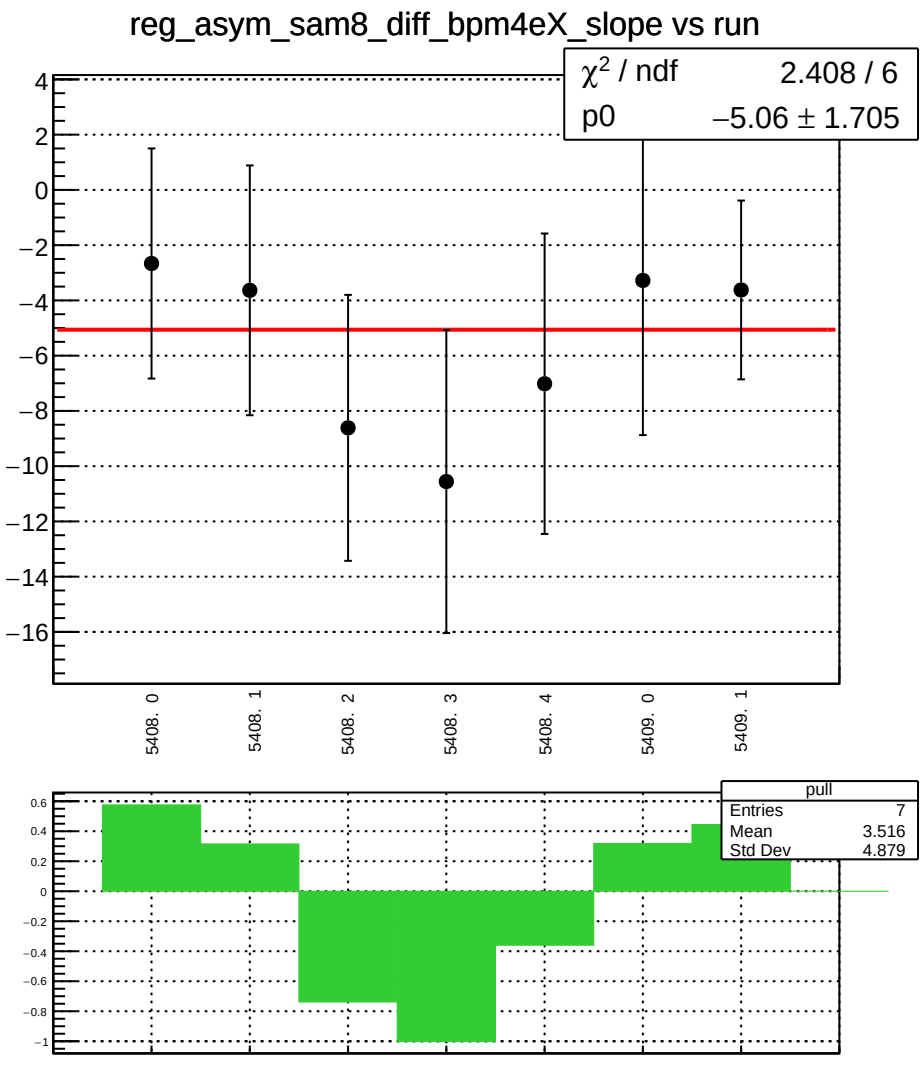

pull1D
Entries 7
Mean 0.00476
Std Dev 0.2887
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

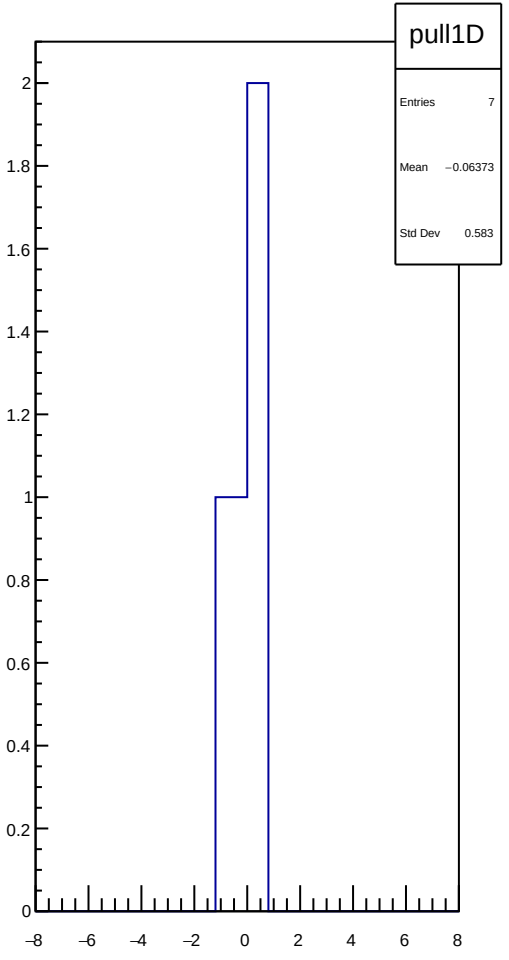

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 1.078 / 6
p0 −0.6427 ± 0.1042
−0.2
−0.4
−0.6
−0.8
−1
−1.2
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −56.04
Std Dev 60.47
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

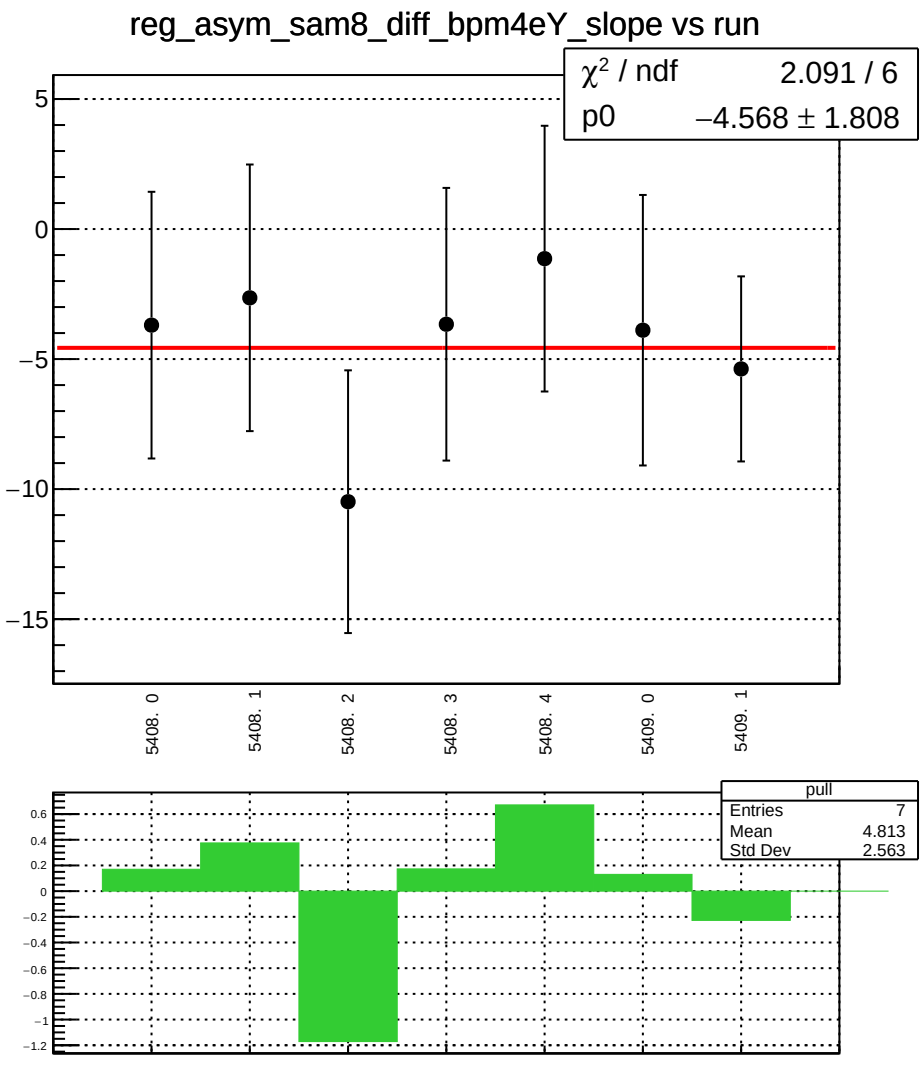

pull1D
Entries 7
Mean 0.006125
Std Dev 0.3923
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

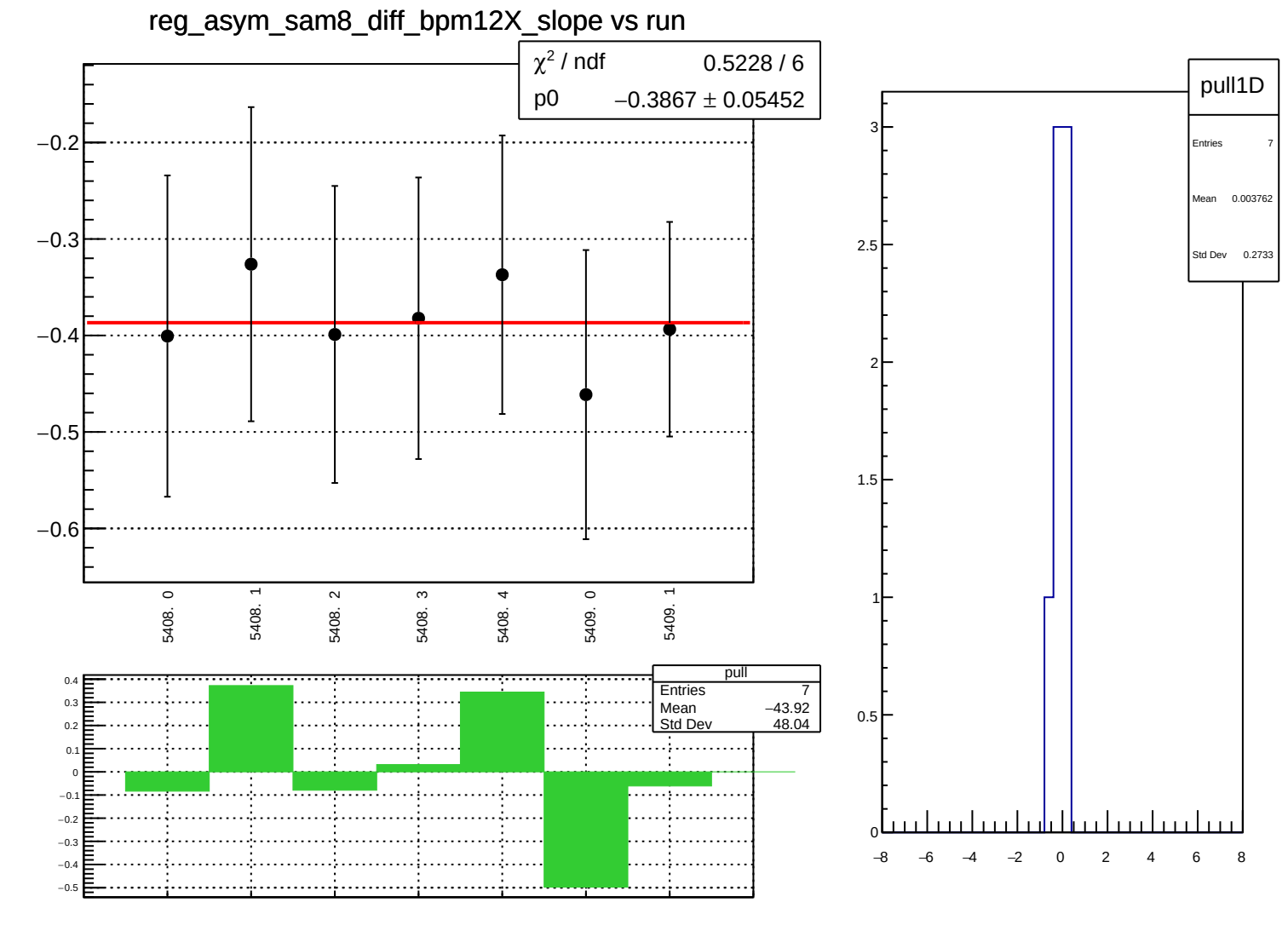

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 4.341 / 6
p0 −10.61± 1.737
0
−5
−10
−15
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.94
Std Dev 7.31
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.08478
Std Dev 0.783
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

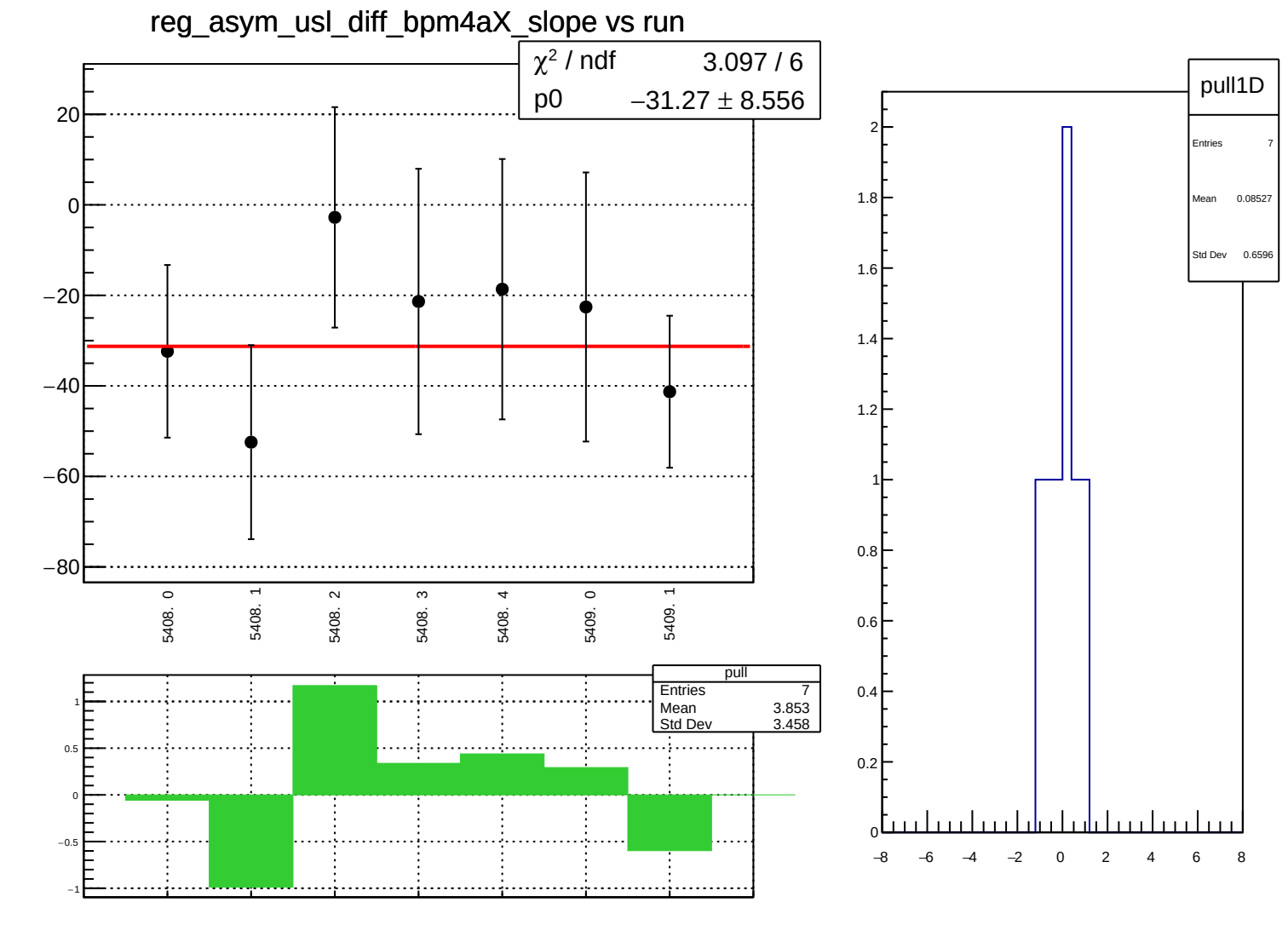

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 2.919 / 6
p0 −7.548 ± 1.575
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 31.75
Std Dev 28.6
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean −0.01393
Std Dev 0.6456
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

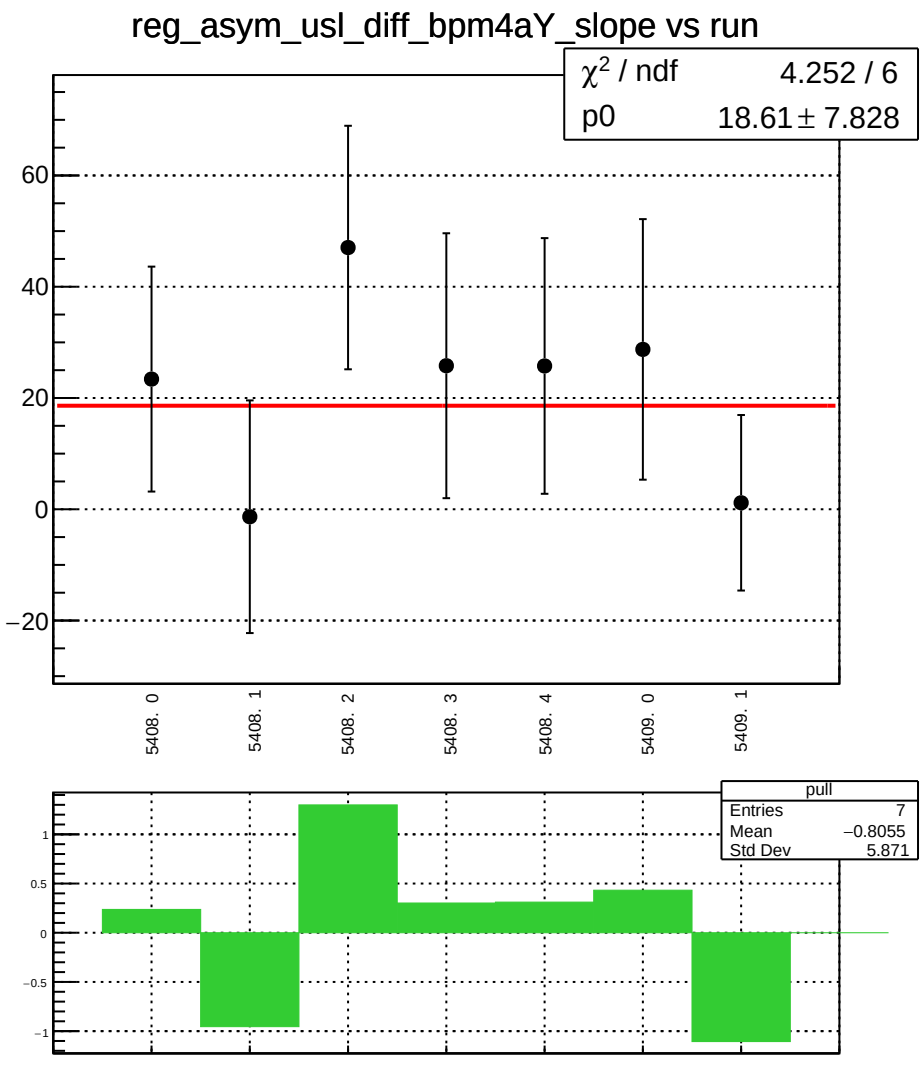

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2.408 / 6
p0 −5.06 ± 1.705
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.516
Std Dev 4.879
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

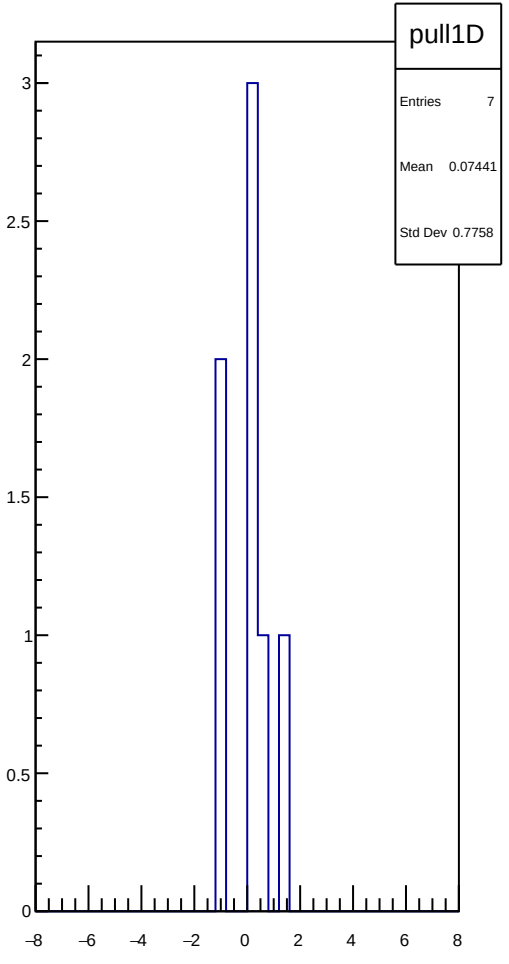

pull1D
Entries 7
Mean −0.06373
Std Dev 0.583
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

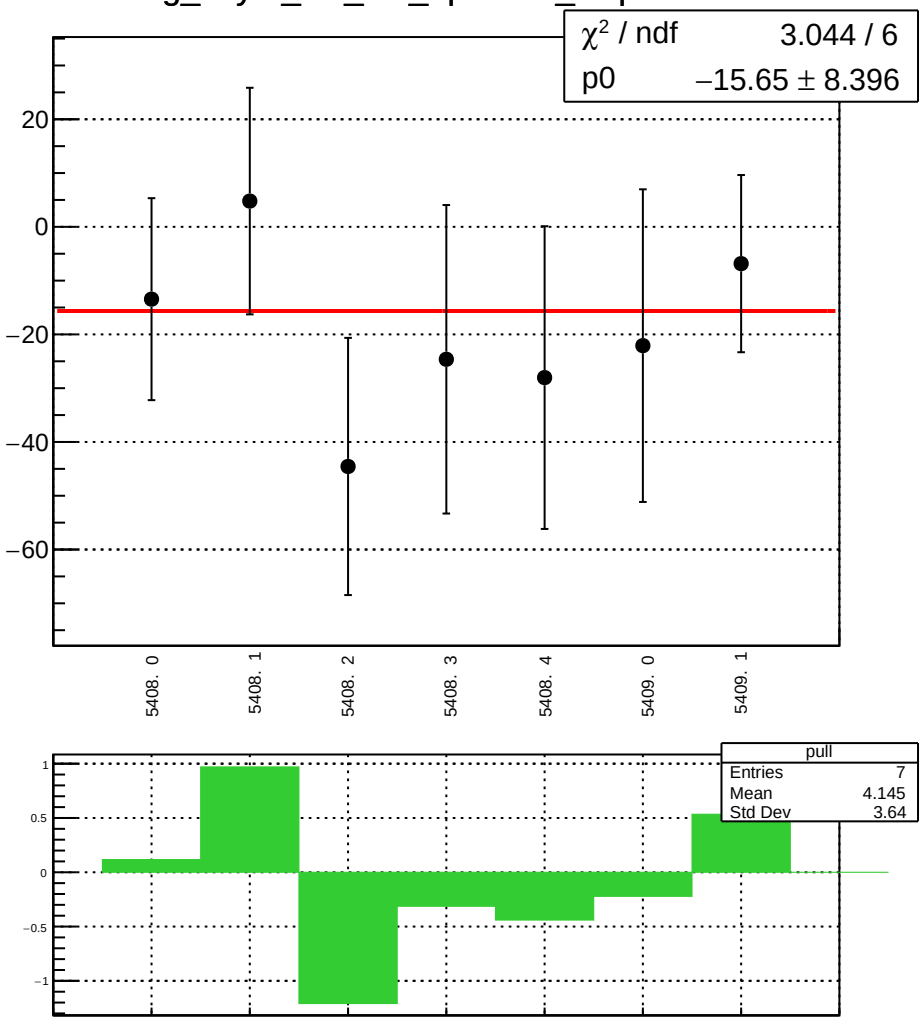

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 2.091 / 6
p0 −4.568 ± 1.808
5
0
−5
−10
−15
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.813
Std Dev 2.563
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 7
Mean 0.01732
Std Dev 0.5463
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

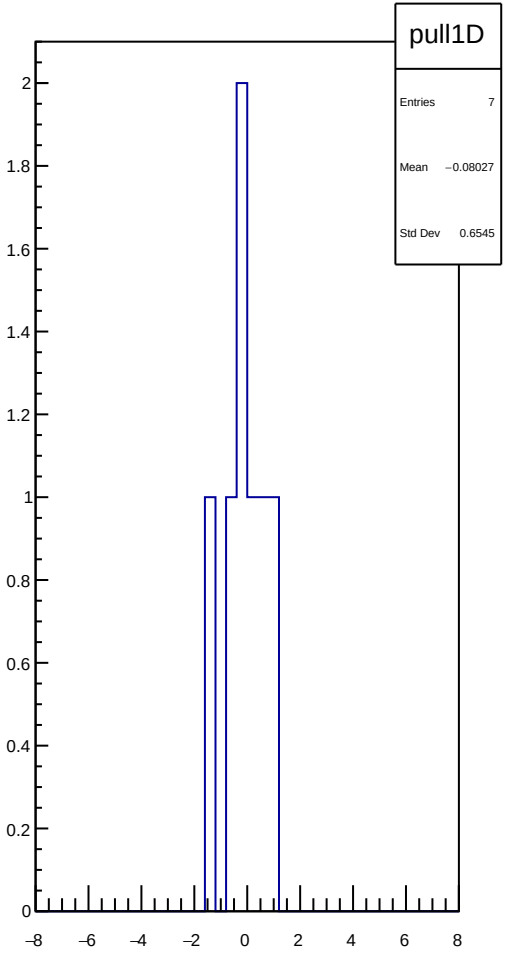

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 0.5228 / 6
p0 −0.3867 ± 0.05452
−0.2
−0.3
−0.4
−0.5
−0.6
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −43.92
Std Dev 48.04
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 7
Mean 0.003762
Std Dev 0.2733
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

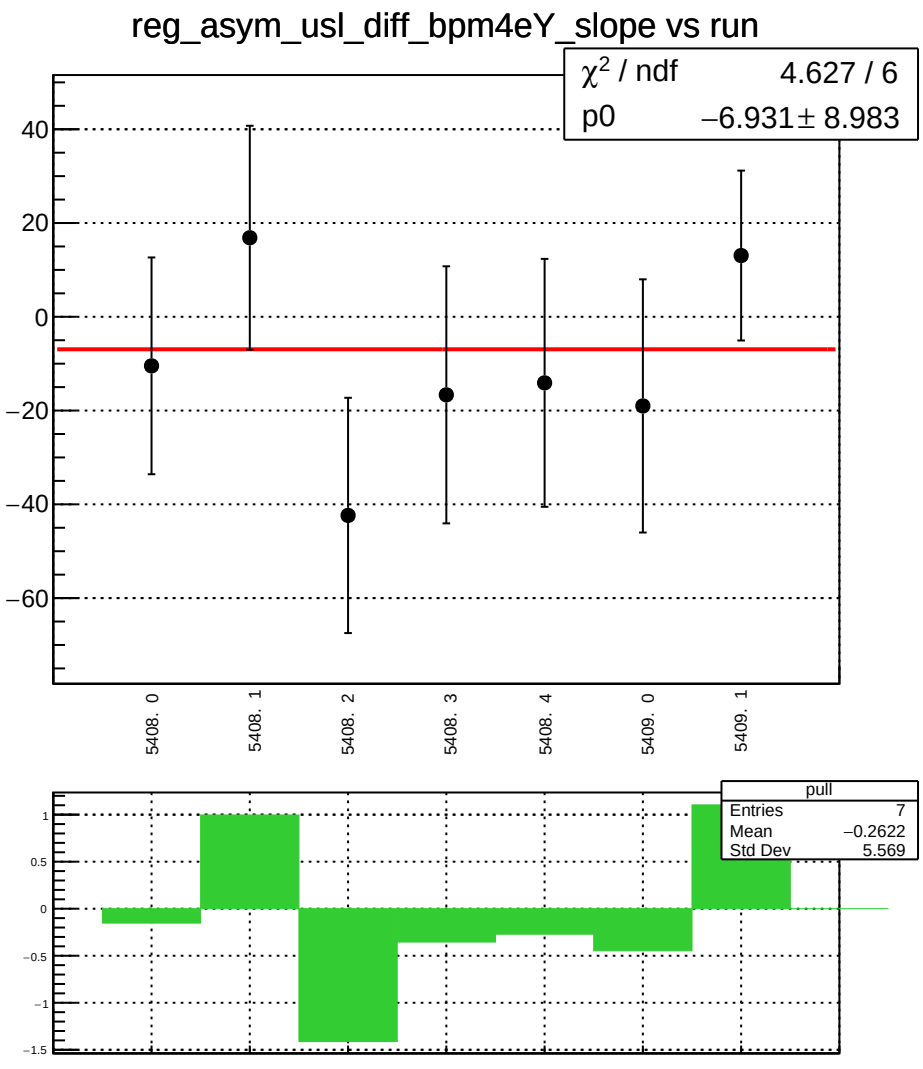

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 3.097 / 6
p0 −31.27 ± 8.556
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.853
Std Dev 3.458
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.08527
Std Dev 0.6596
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

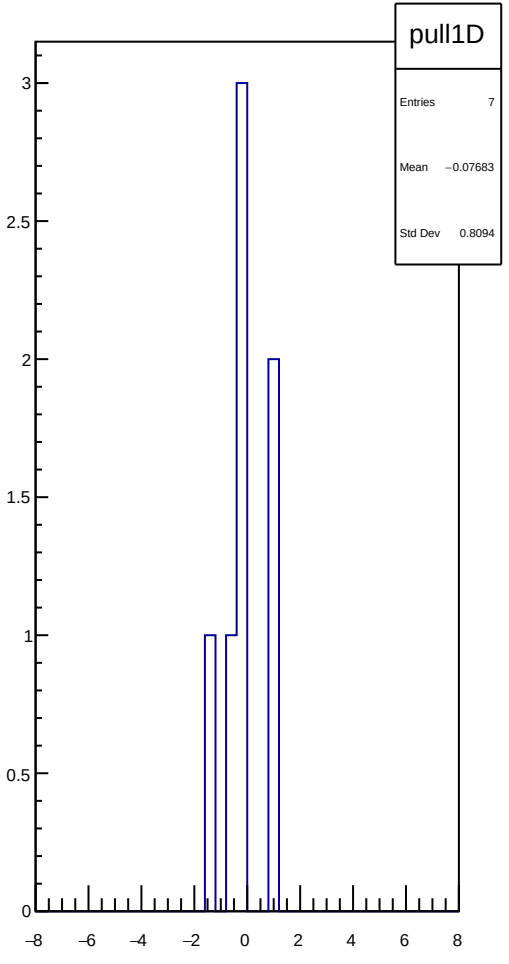

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 4.252 / 6
p0 18.61 ± 7.828
60
40
20
0
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −0.8055
Std Dev 5.871
1
0.5
0
−0.5
−1

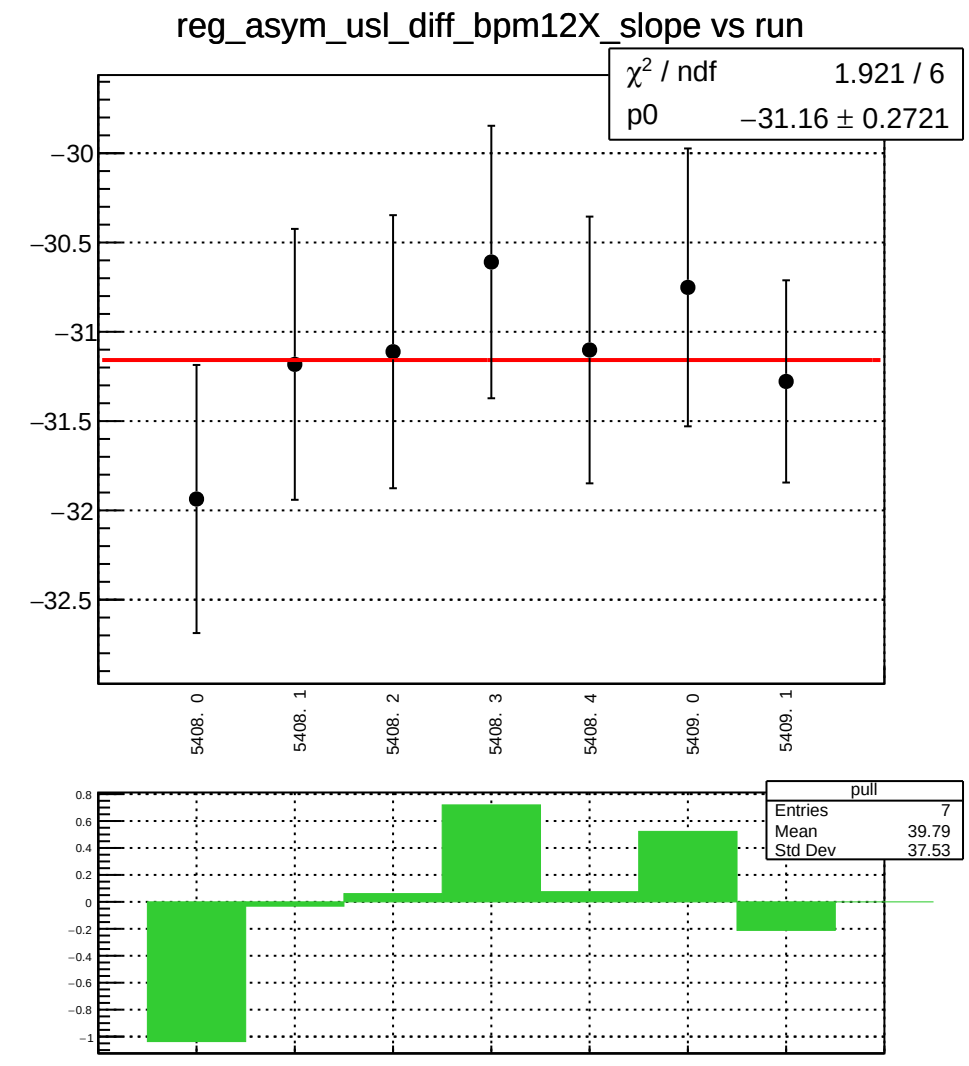

pull1D
Entries 7
Mean 0.07441
Std Dev 0.7758
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

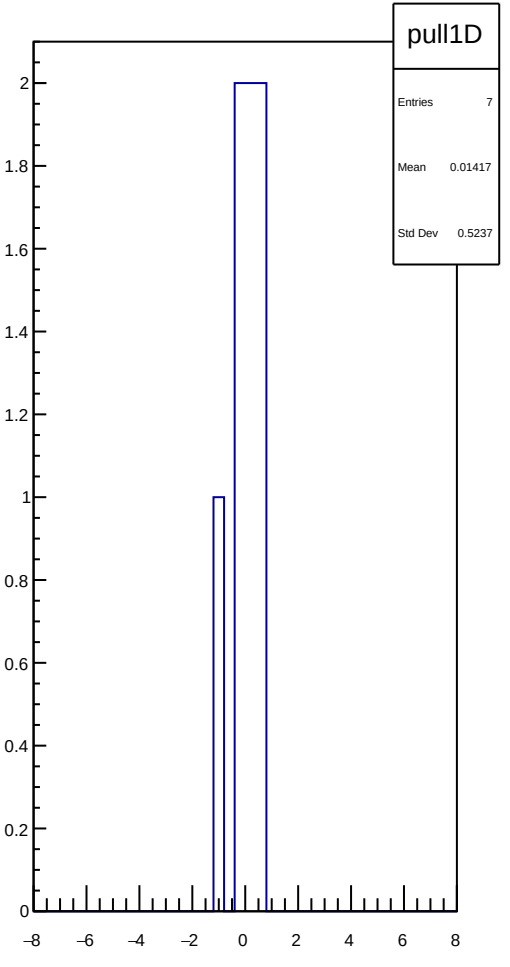

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 3.044 / 6
p0 −15.65 ± 8.396
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.145
Std Dev 3.64
1
0.5
0
−0.5
−1

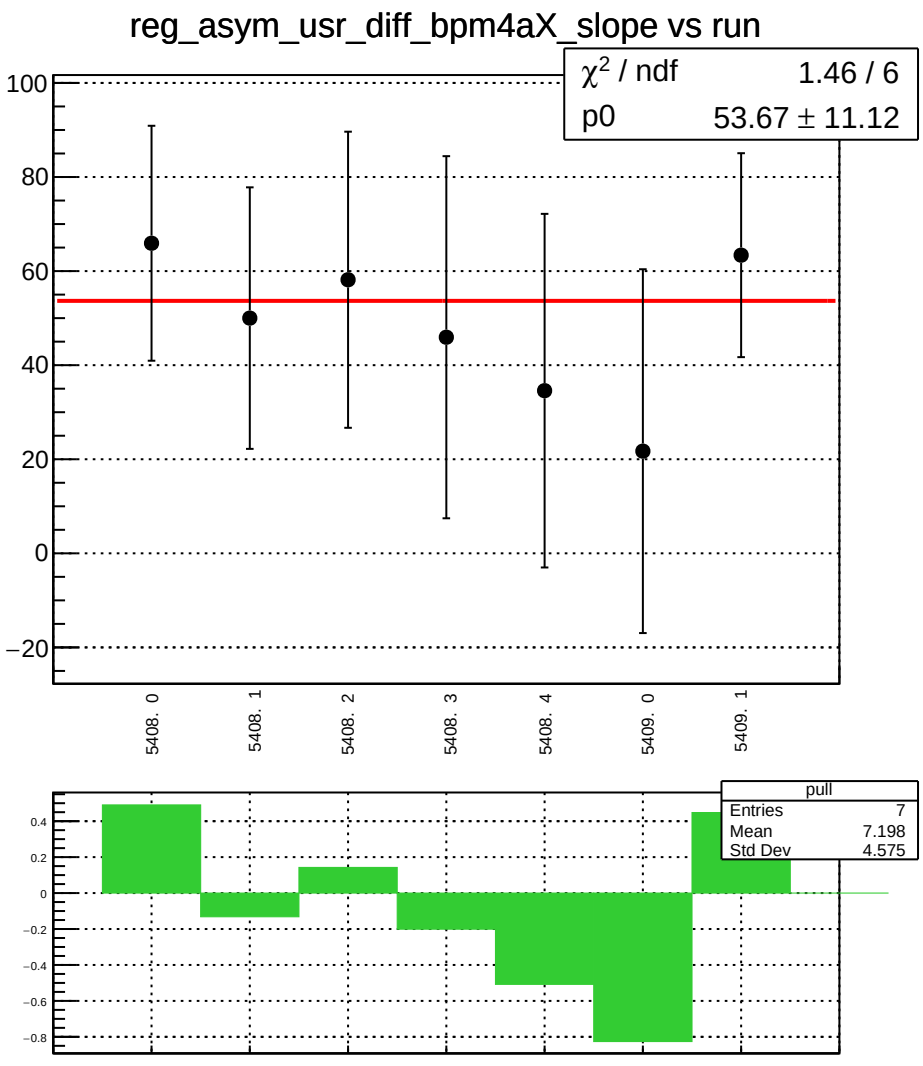

pull1D
Entries 7
Mean −0.08027
Std Dev 0.6545
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

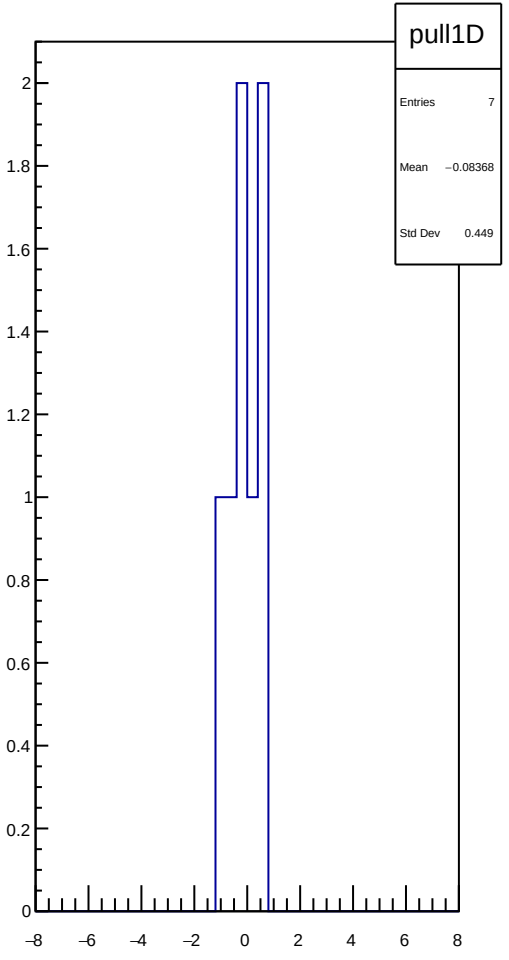

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 4.627 / 6
p0 −6.931 ± 8.983
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −0.2622
Std Dev 5.569
1
0.5
0
−0.5
−1
−1.5

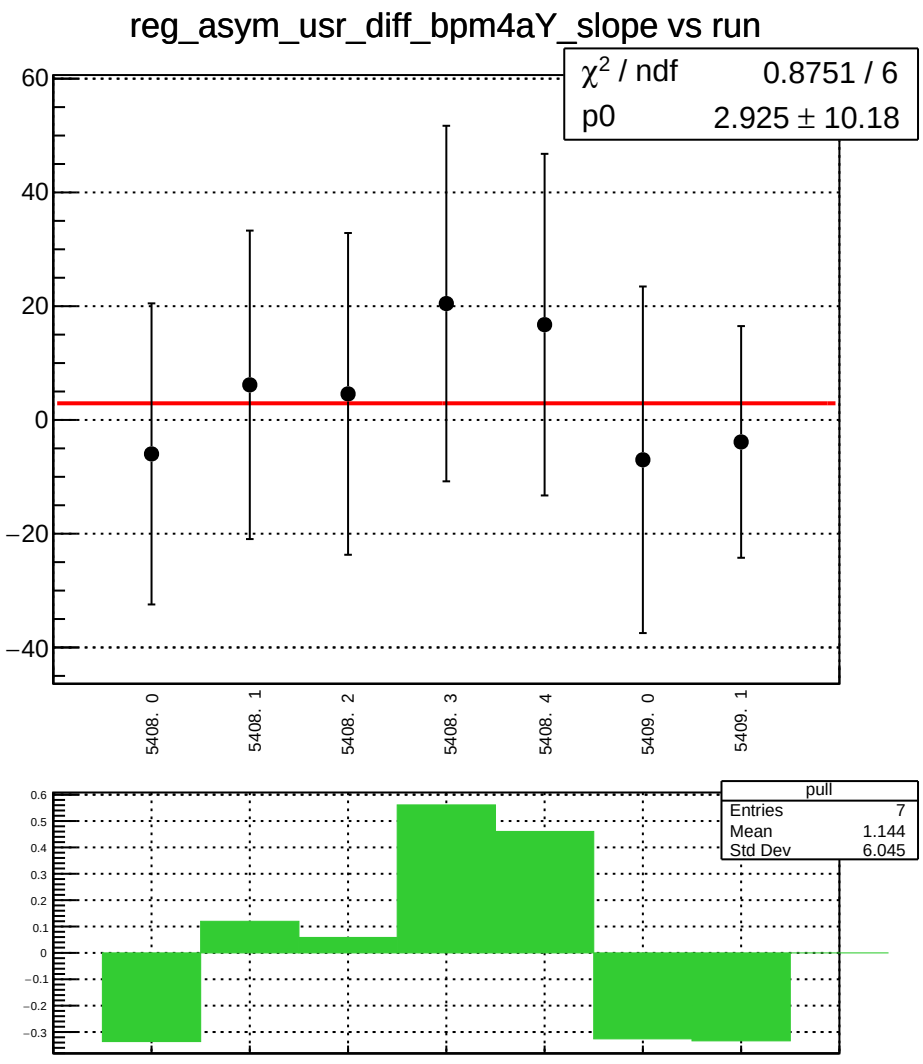

pull1D
Entries 7
Mean −0.07683
Std Dev 0.8094
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

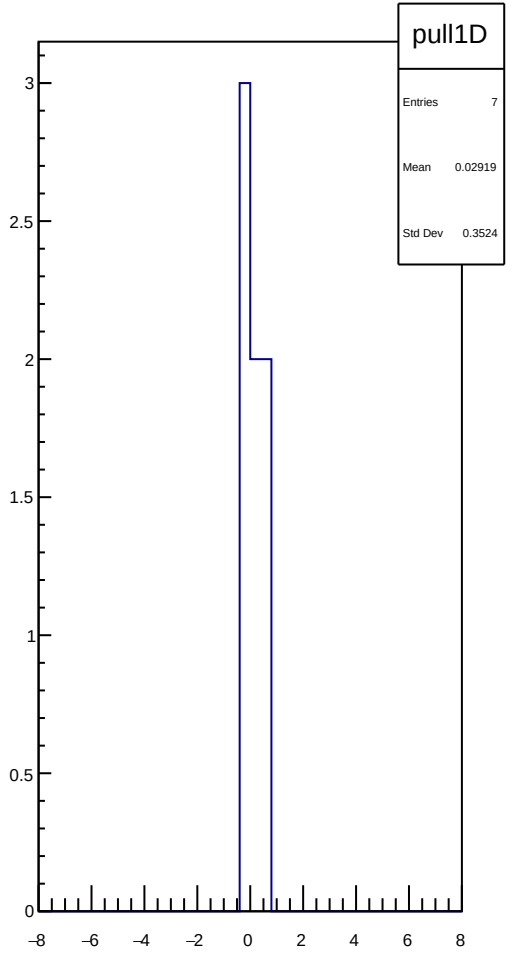

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 1.921 / 6
p0 −31.16 ± 0.2721
−30
−30.5
−31
−31.5
−32
−32.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 39.79
Std Dev 37.53
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

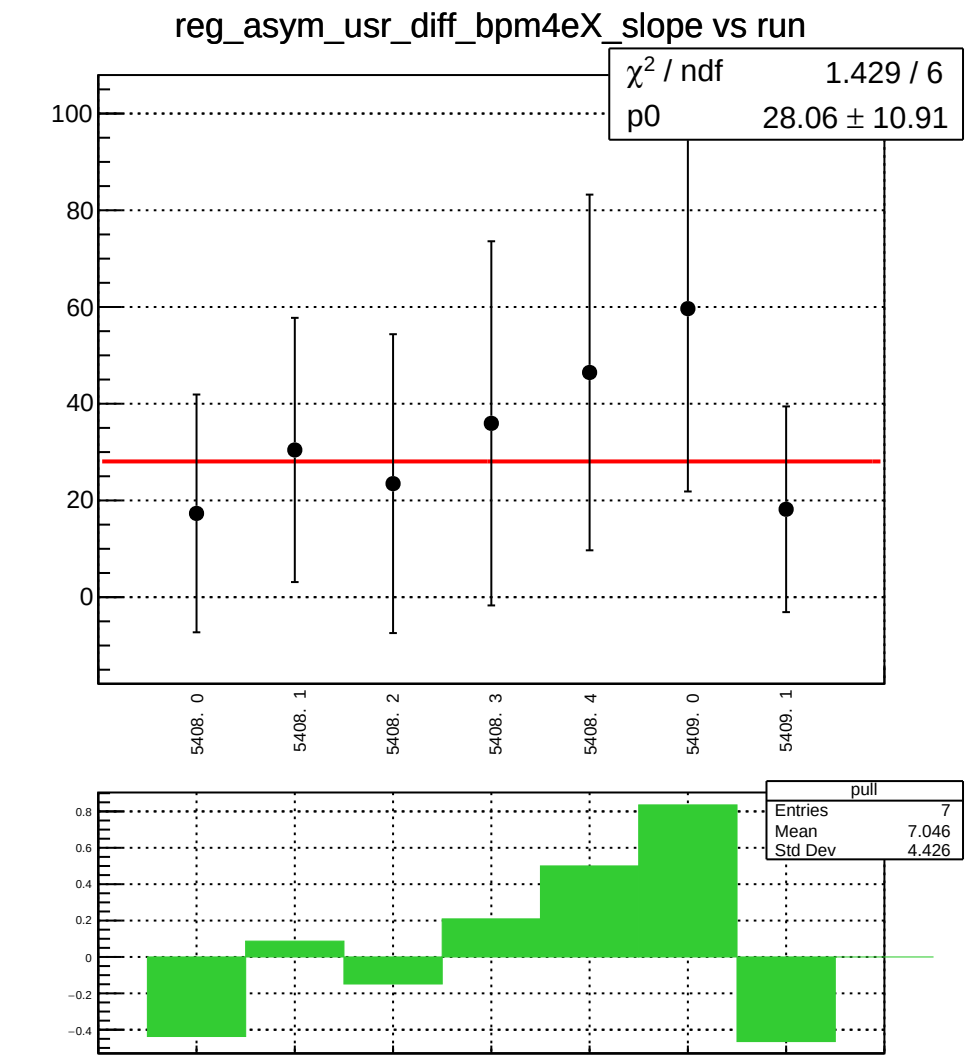

pull1D
Entries 7
Mean 0.01417
Std Dev 0.5237
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

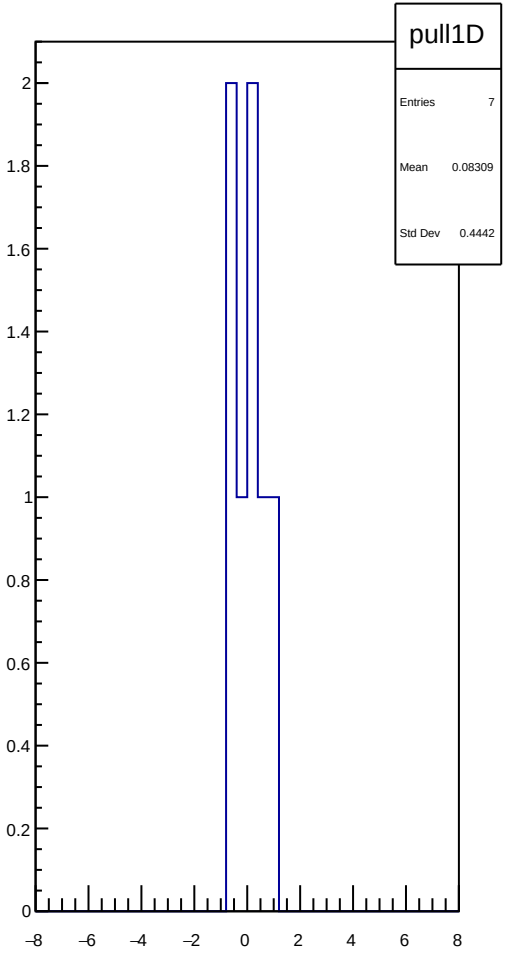

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 1.46 / 6
p0 53.67 ± 11.12
100
80
60
40
20
0
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.198
Std Dev 4.575
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

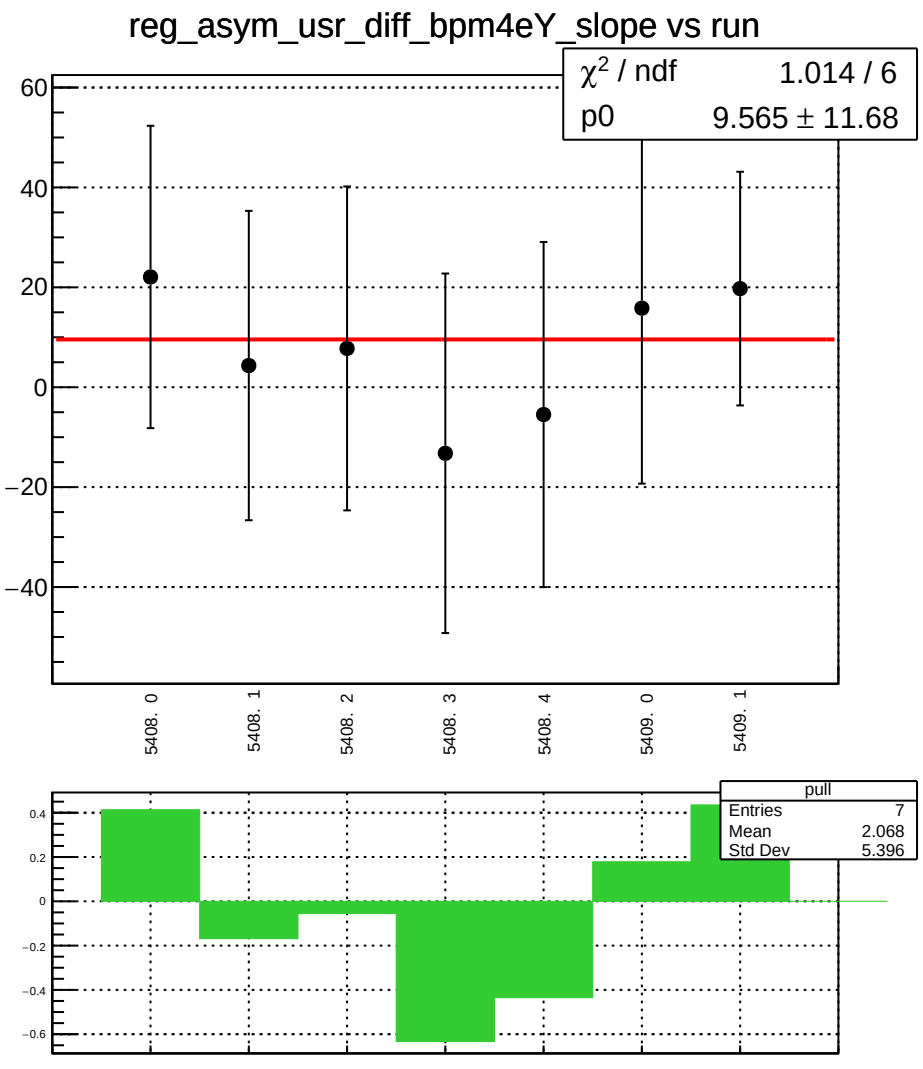

pull1D
Entries 7
Mean −0.08368
Std Dev 0.449
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

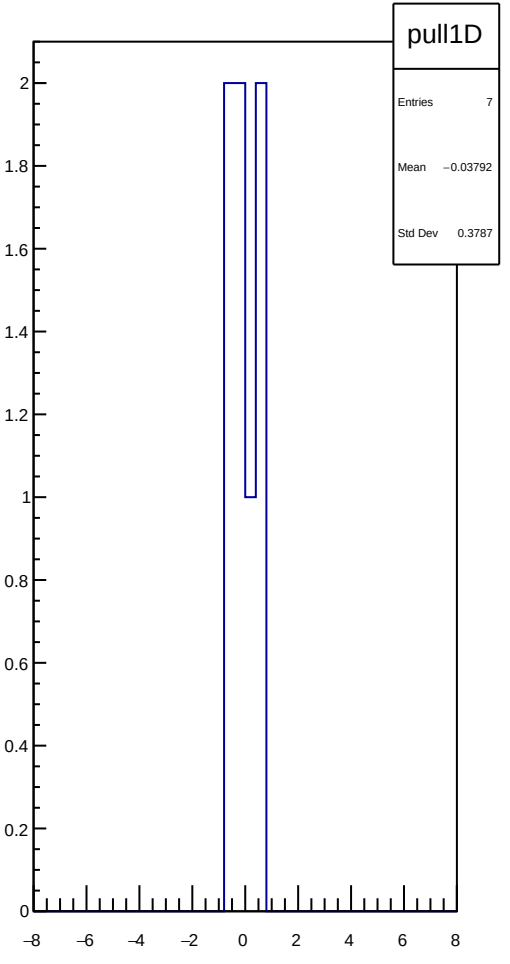

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 0.8751 / 6
p0 2.925 ± 10.18
60
40
20
0
−20
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 1.144
Std Dev 6.045
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

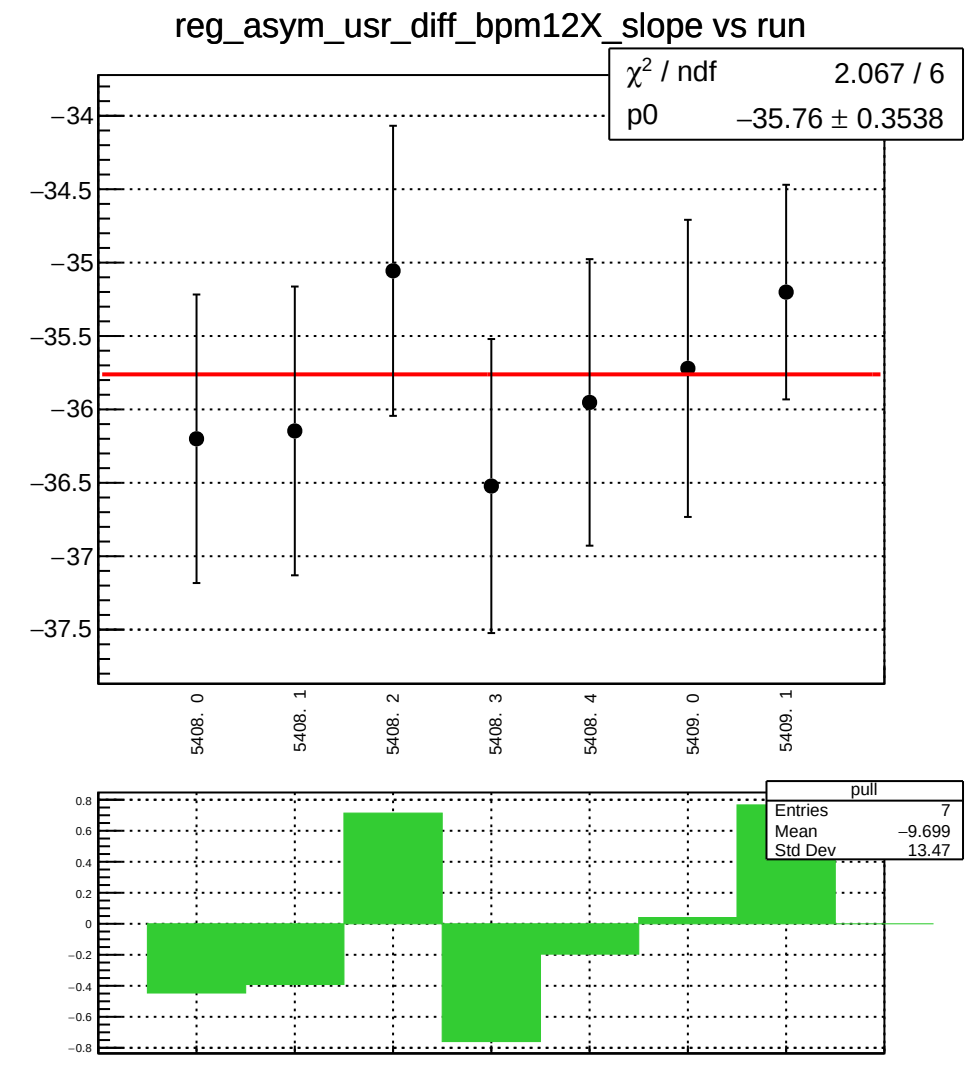

pull1D
Entries 7
Mean 0.02919
Std Dev 0.3524
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

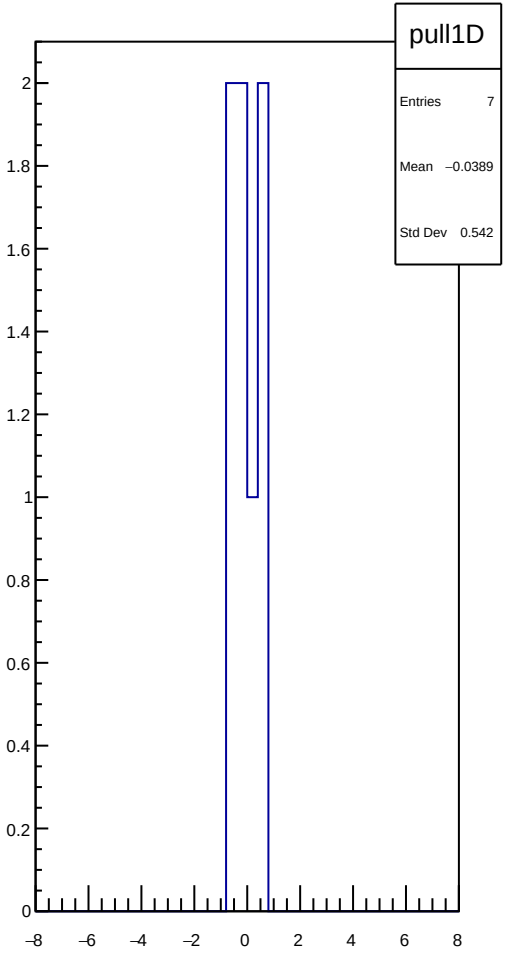

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 1.429 / 6
p0 28.06 ± 10.91
100
80
60
40
20
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.046
Std Dev 4.426
0.8
0.6
0.4
0.2
0
−0.2
−0.4

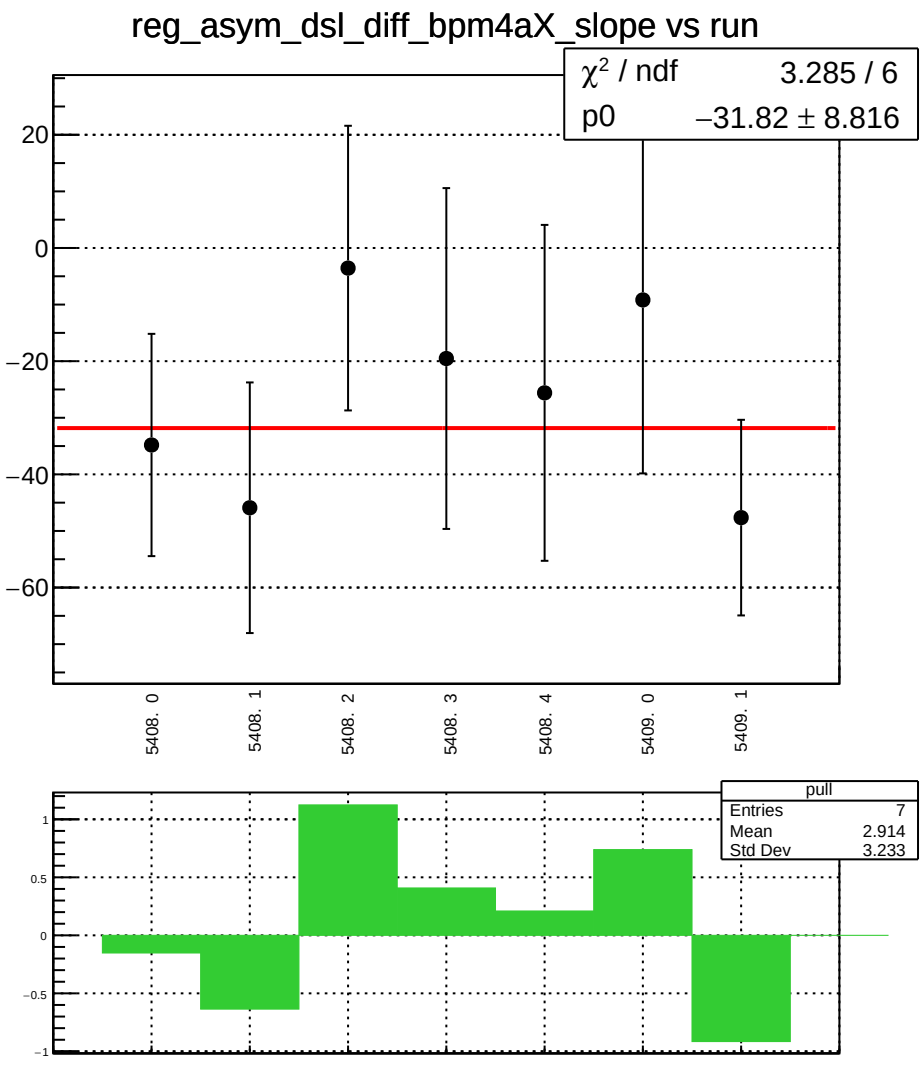

pull1D
Entries 7
Mean 0.08309
Std Dev 0.4442
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

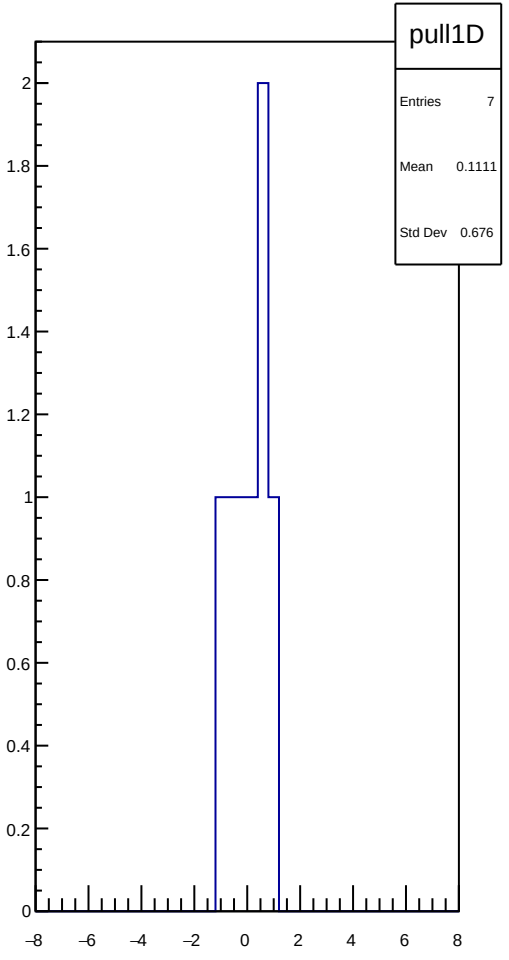

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 1.014 / 6
p0 9.565 ± 11.68
60
40
20
0
−20
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 2.068
Std Dev 5.396
0.4
0.2
0
−0.2
−0.4
−0.6

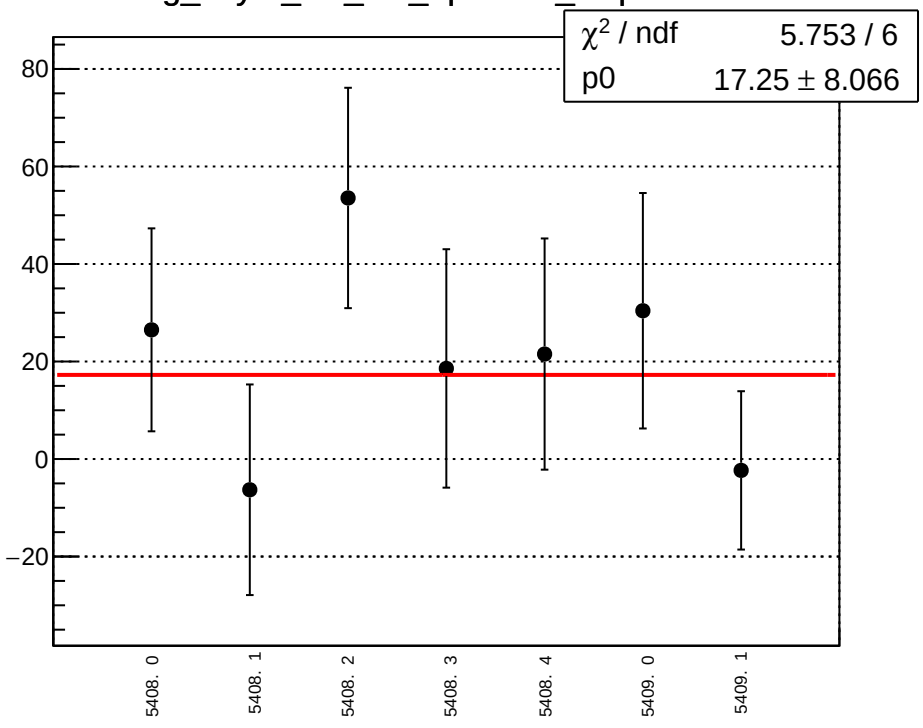

pull1D
Entries 7
Mean −0.03792
Std Dev 0.3787
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

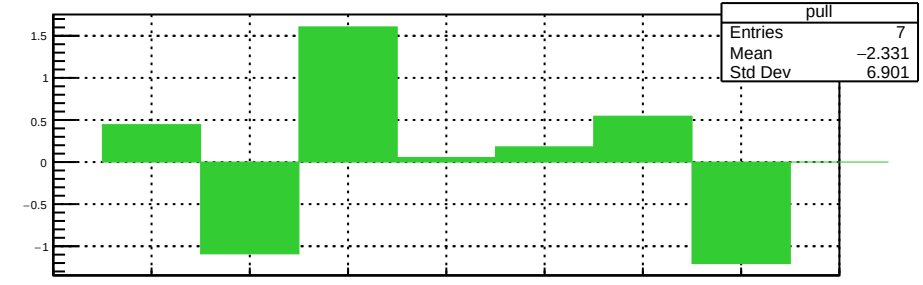

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 2.067 / 6
p0 −35.76 ± 0.3538
−34
−34.5
−35
−35.5
−36
−36.5
−37
−37.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −9.699
Std Dev 13.47
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

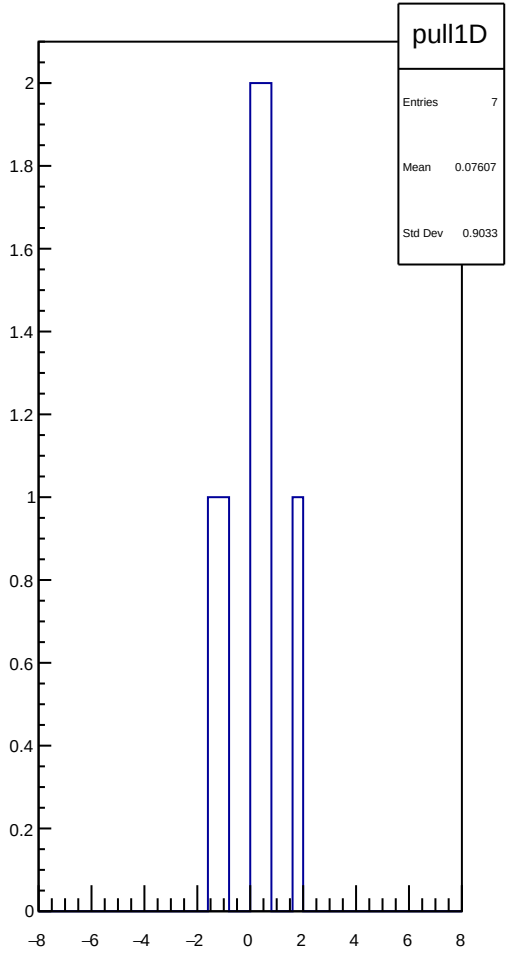

pull1D
Entries 7
Mean −0.0389
Std Dev 0.542
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

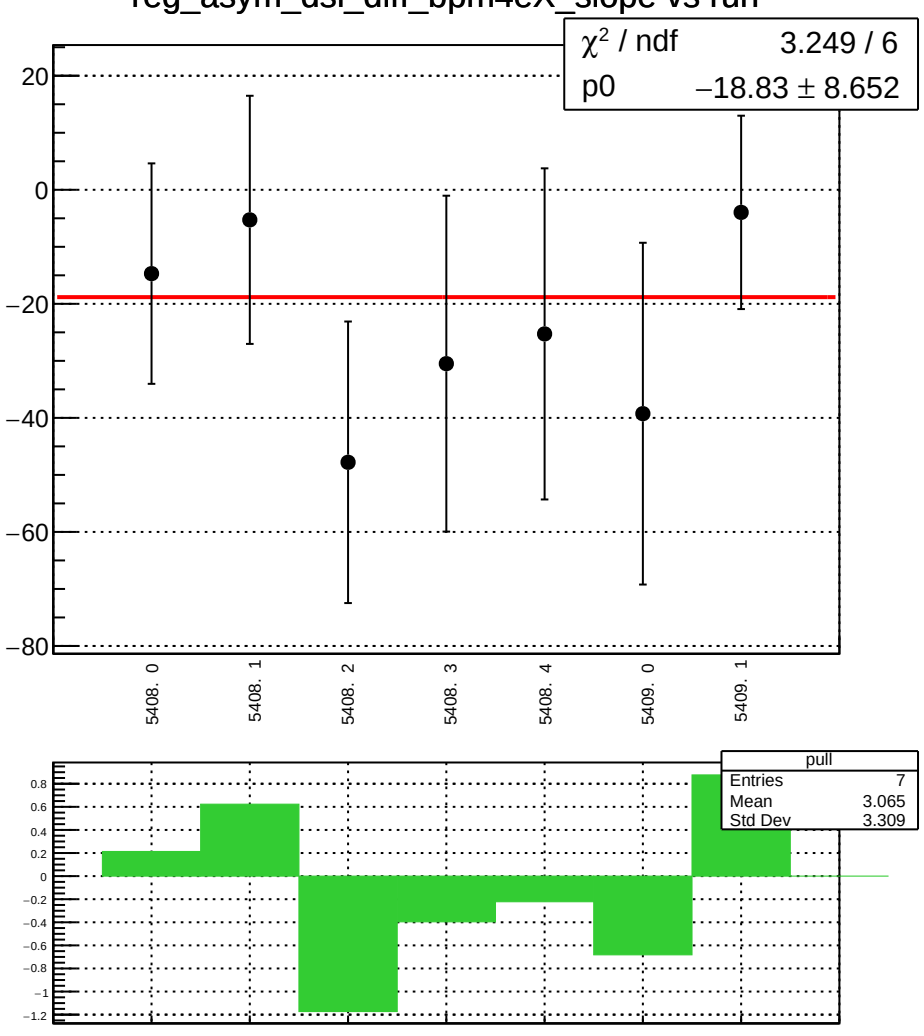

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 3.285 / 6
p0 −31.82 ± 8.816
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 2.914
Std Dev 3.233
1
0.5
0
−0.5
−1

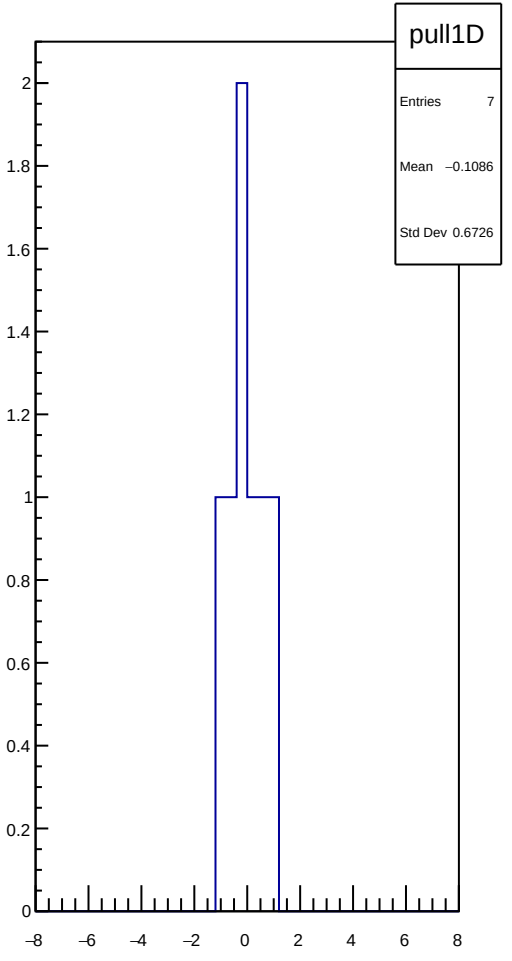

pull1D
Entries 7
Mean 0.1111
Std Dev 0.676
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

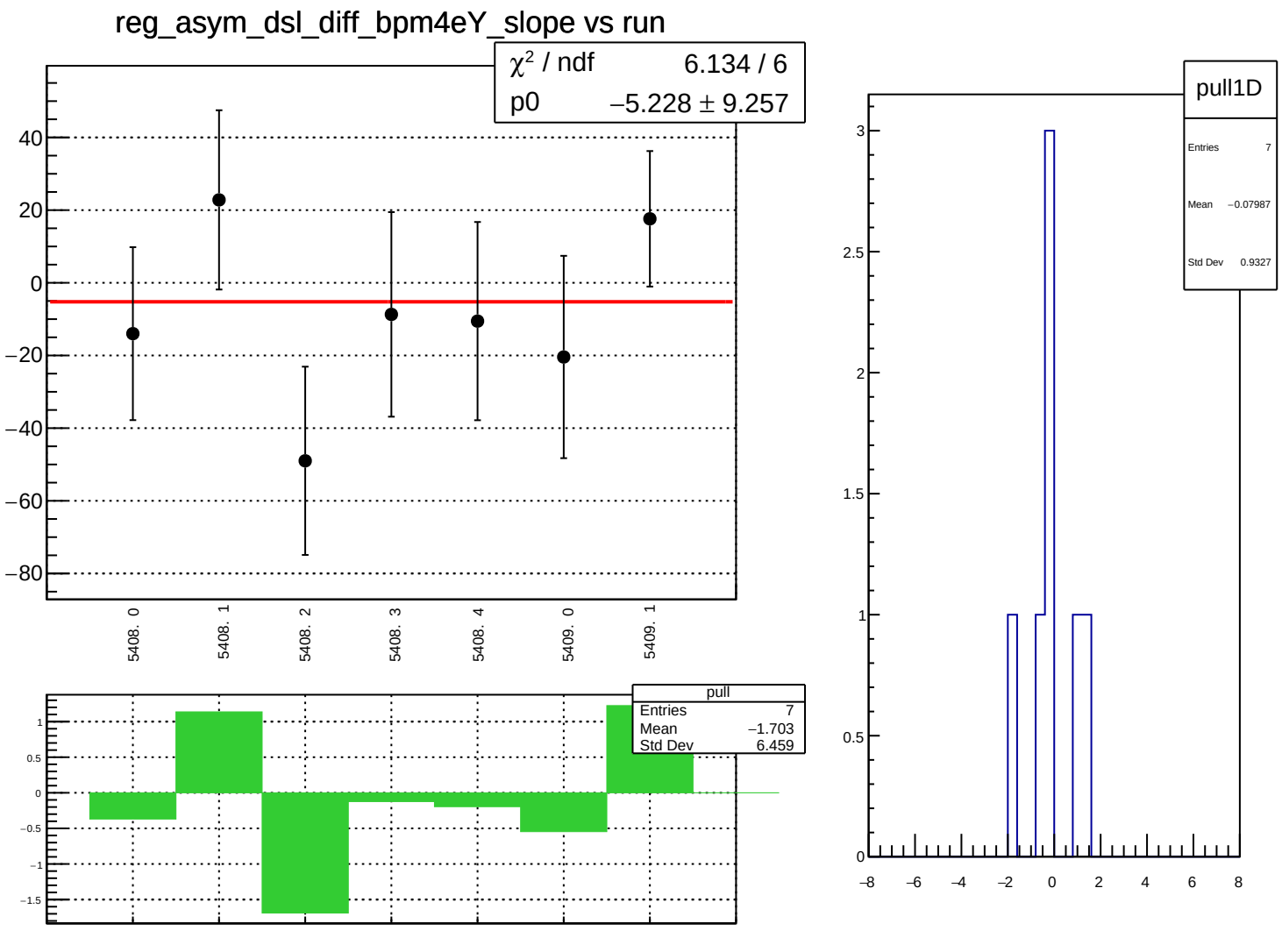

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 5.753 / 6
p0 17.25 ± 8.066
80
60
40
20
0
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

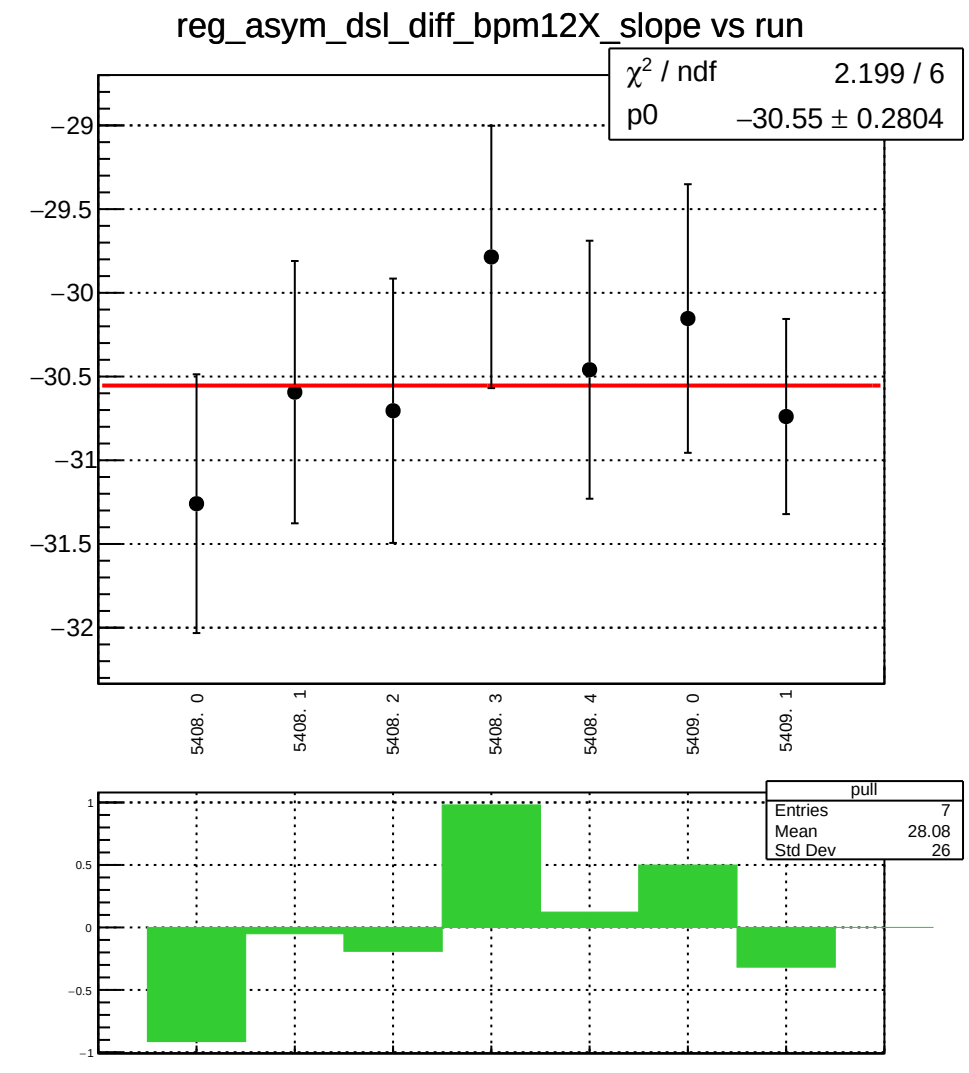

pull
Entries 7
Mean −2.331
Std Dev 6.901
1.5
1
0.5
0
−0.5
−1

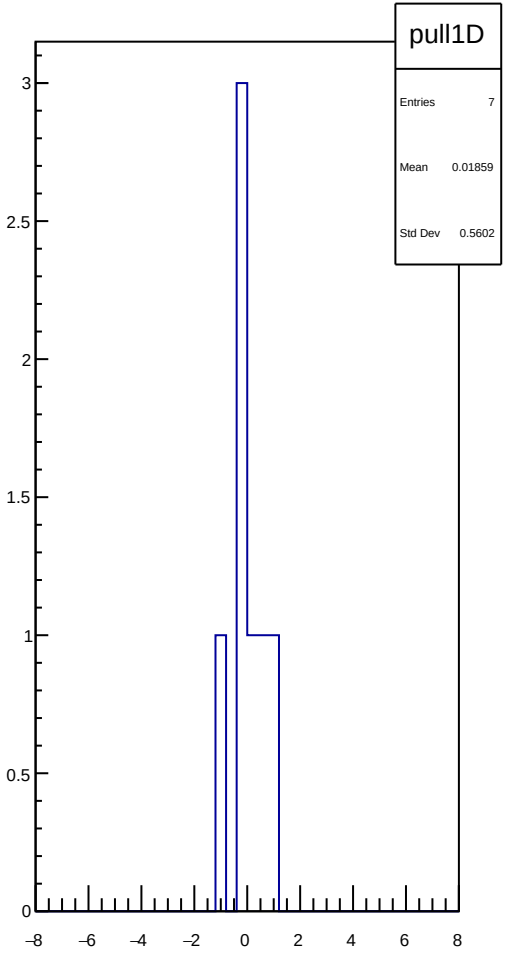

pull1D
Entries 7
Mean 0.07607
Std Dev 0.9033
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

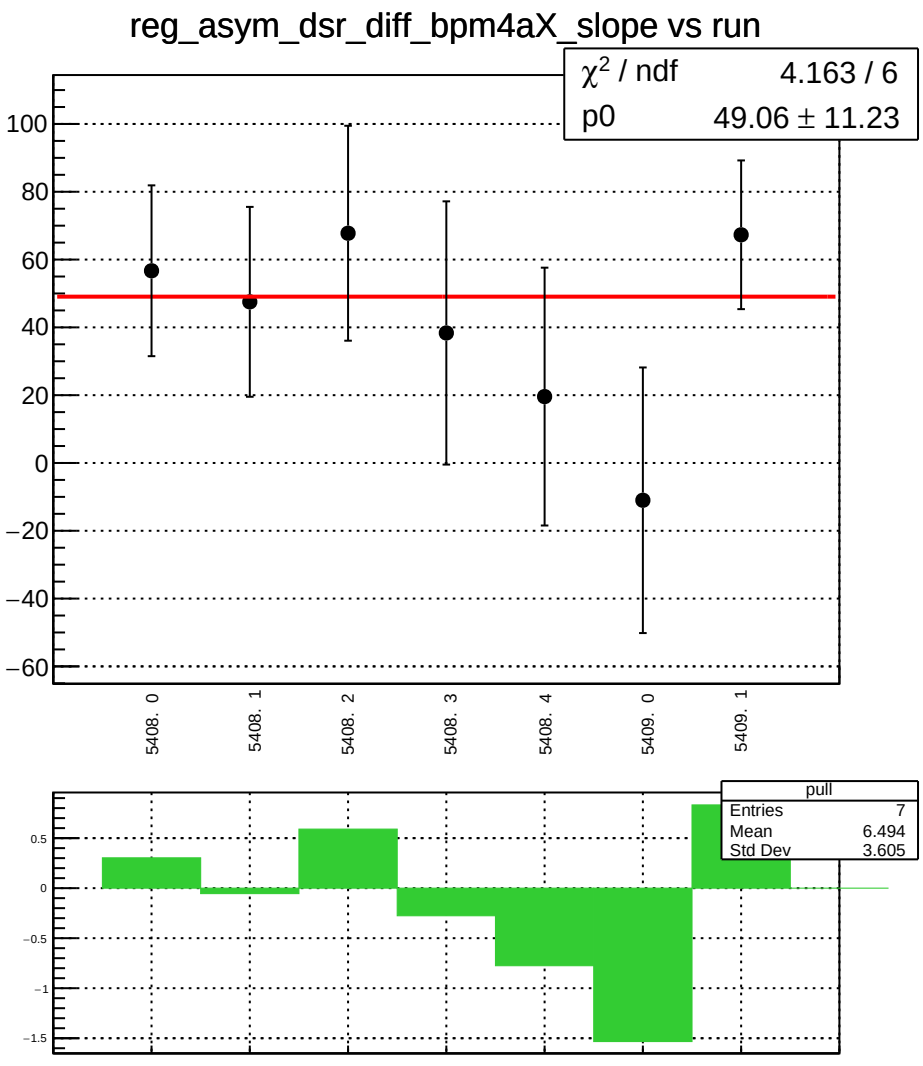

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 3.249 / 6
p0 −18.83 ± 8.652
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.065
Std Dev 3.309
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

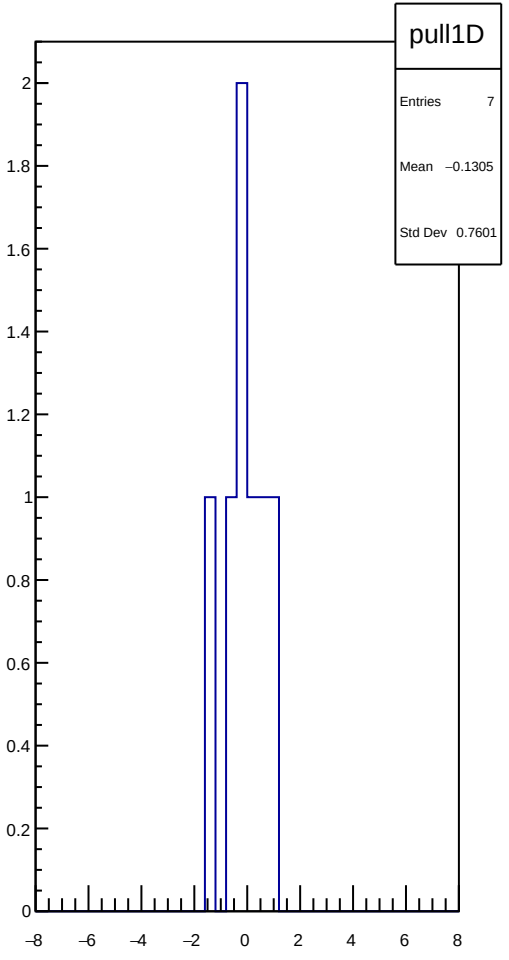

pull1D
Entries 7
Mean −0.1086
Std Dev 0.6726
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

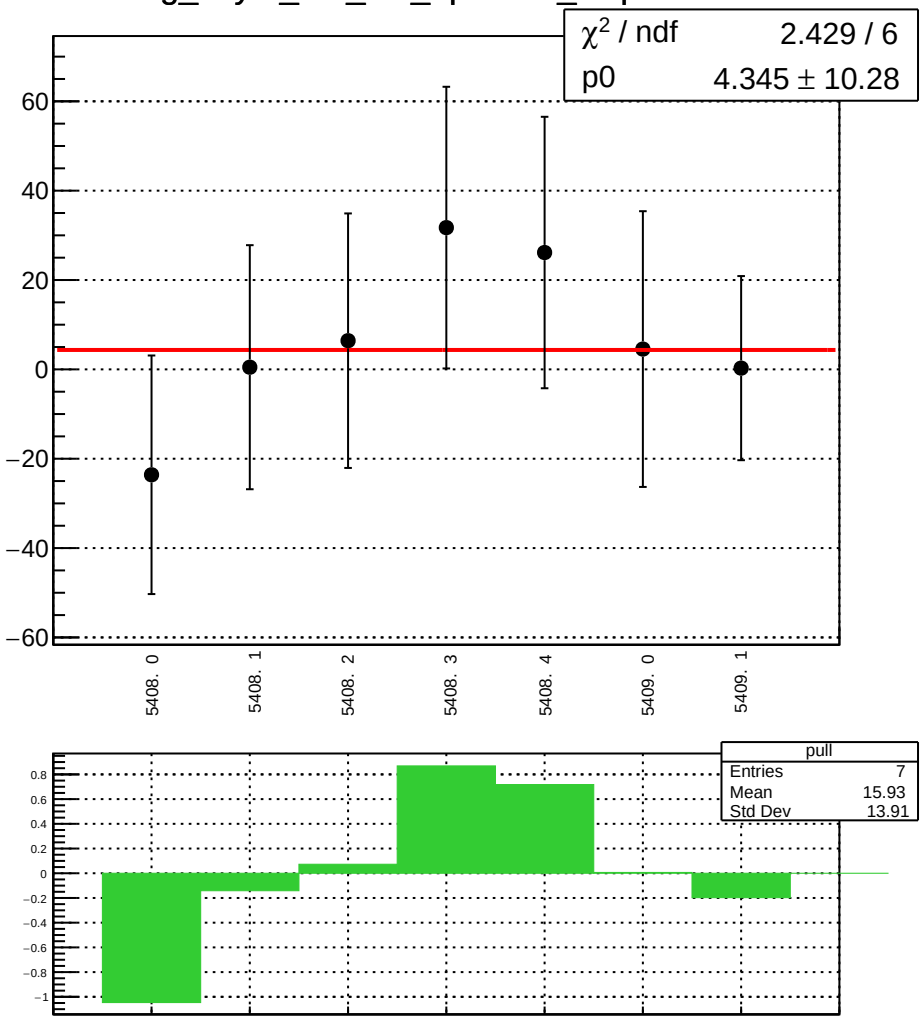

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 6.134 / 6
p0 −5.228 ± 9.257
40
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.703
Std Dev 6.459
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.07987
Std Dev 0.9327
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

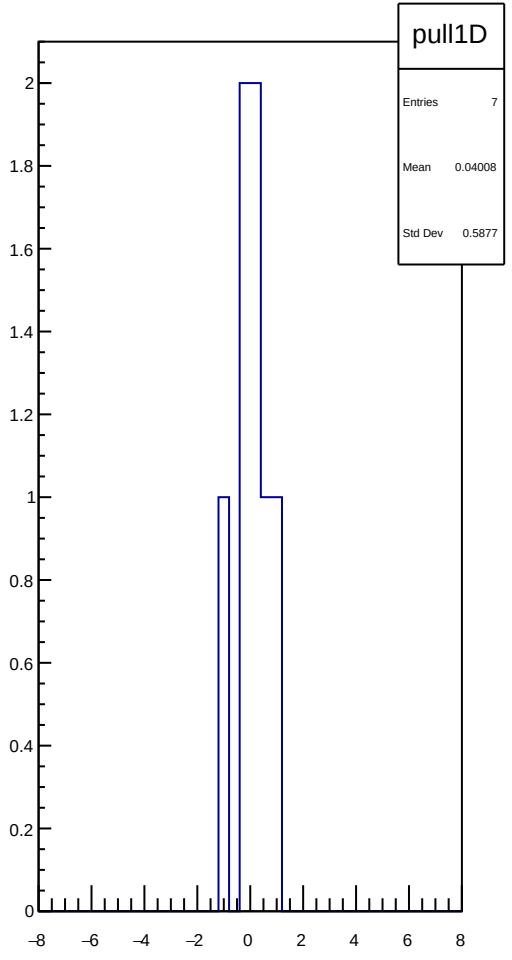

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 2.199 / 6
p0 −30.55 ± 0.2804
−29
−29.5
−30
−30.5
−31
−31.5
−32
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 28.08
Std Dev 26
1
0.5
0
−0.5
−1

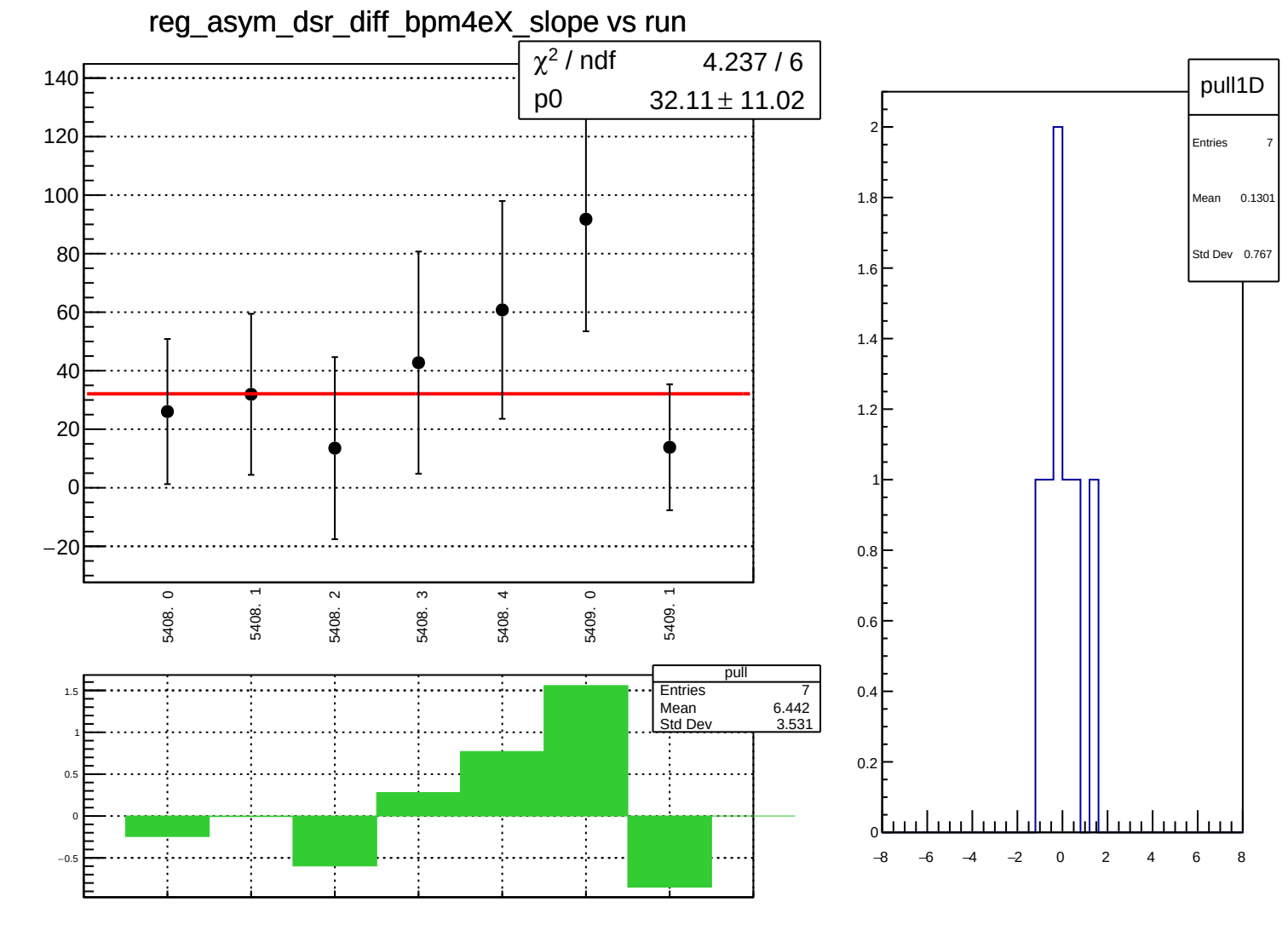

pull1D
Entries 7
Mean 0.01859
Std Dev 0.5602
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

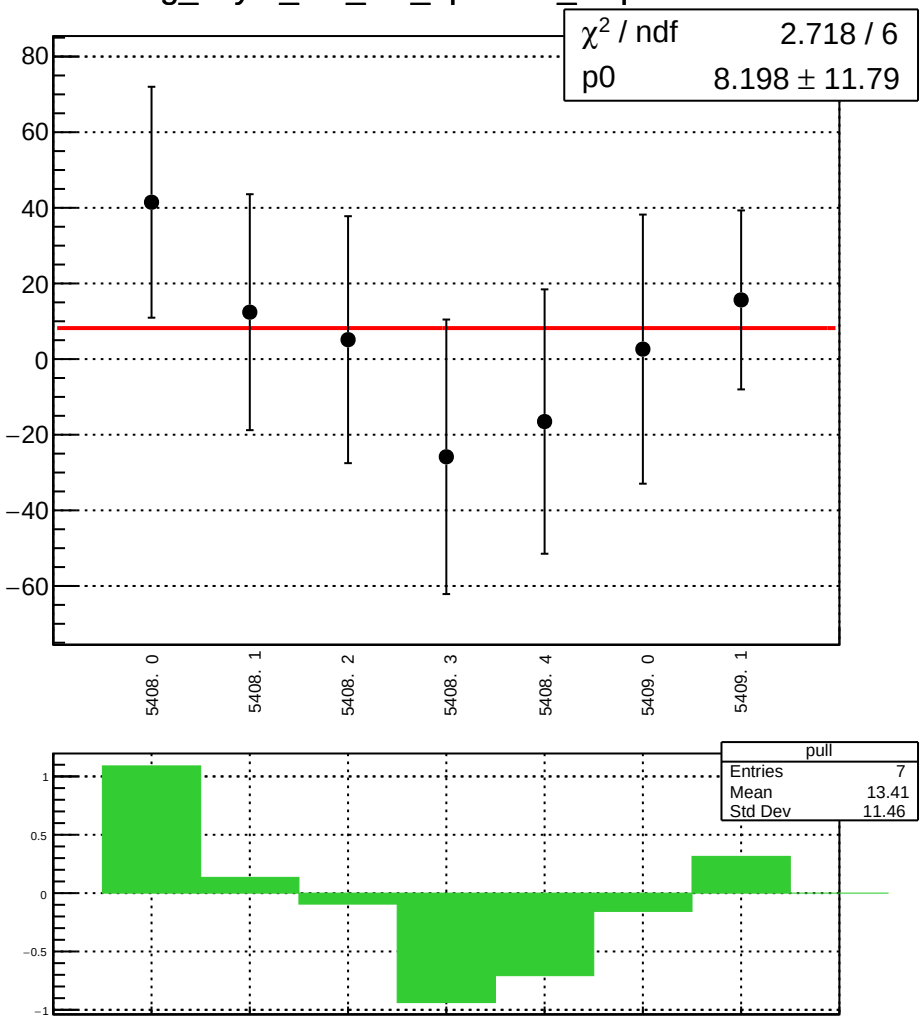

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 4.163 / 6
p0 49.06 ± 11.23
100
80
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.494
Std Dev 3.605
0.5
0
−0.5
−1
−1.5

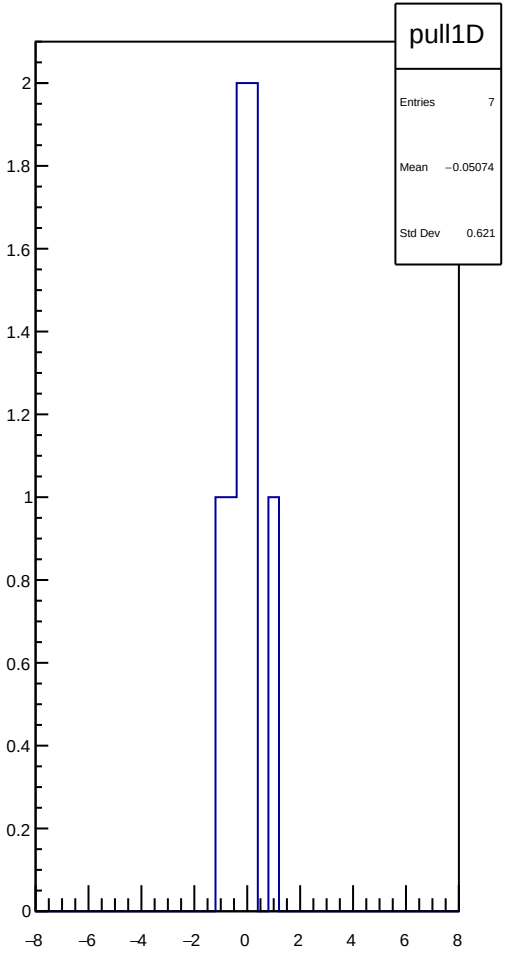

pull1D
Entries 7
Mean −0.1305
Std Dev 0.7601
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

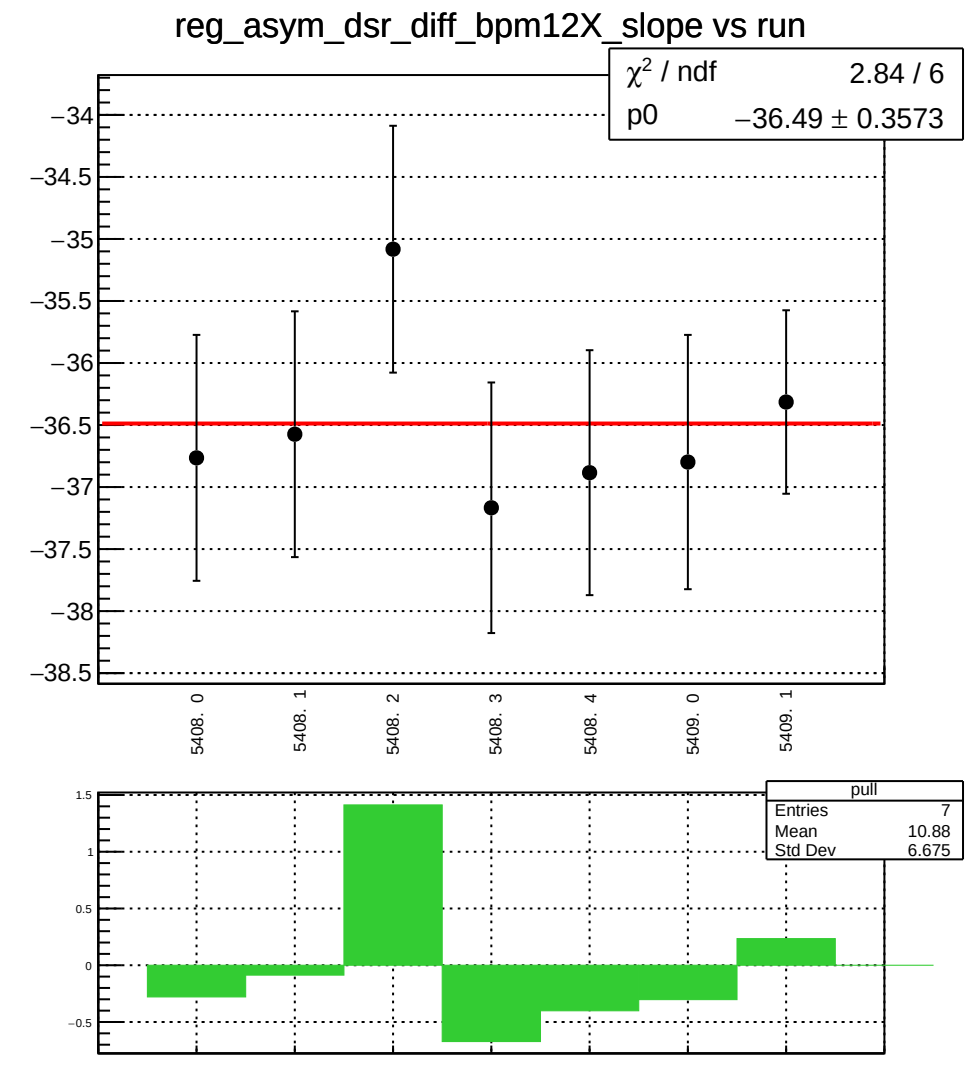

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 2.429 / 6
p0 4.345 ± 10.28
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 15.93
Std Dev 13.91
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

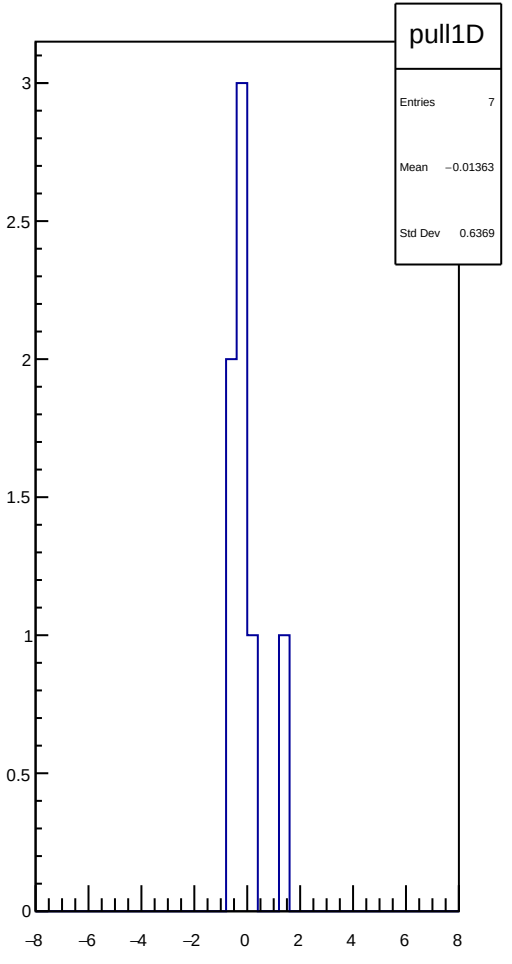

pull1D
Entries 7
Mean 0.04008
Std Dev 0.5877
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

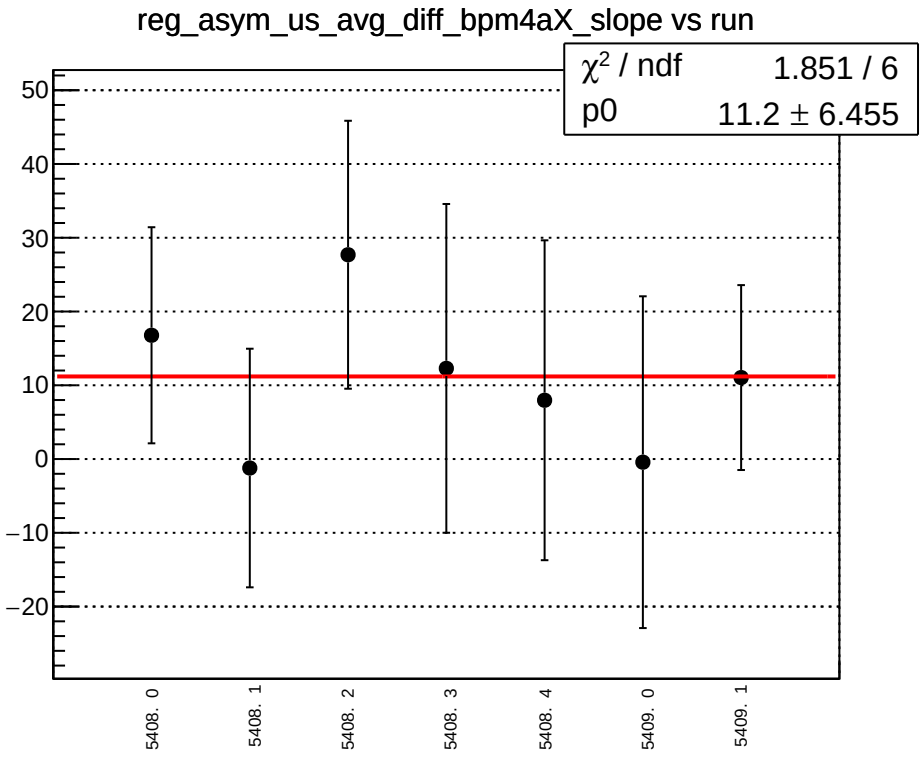

reg_asym_dsr_diff_bpm4eX_slope vs run
χ2 / ndf 4.237 / 6
p0 32.11 ± 11.02
140
120
100
80
60
40
20
0
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.442
Std Dev 3.531
1.5
1
0.5
0
−0.5
pull1D
Entries 7
Mean 0.1301
Std Dev 0.767
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

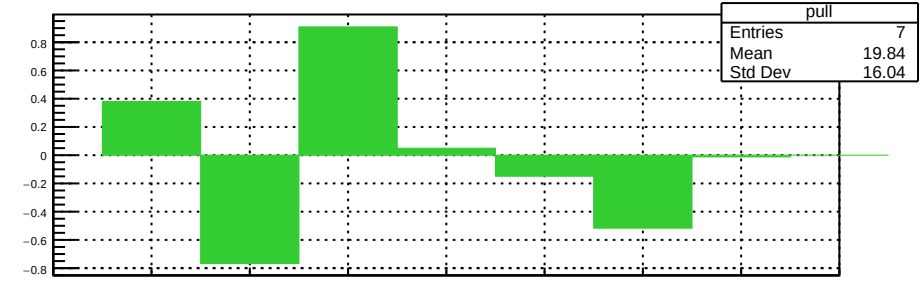

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 2.718 / 6
p0 8.198 ± 11.79
80
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 13.41
Std Dev 11.46
1
0.5
0
−0.5
−1

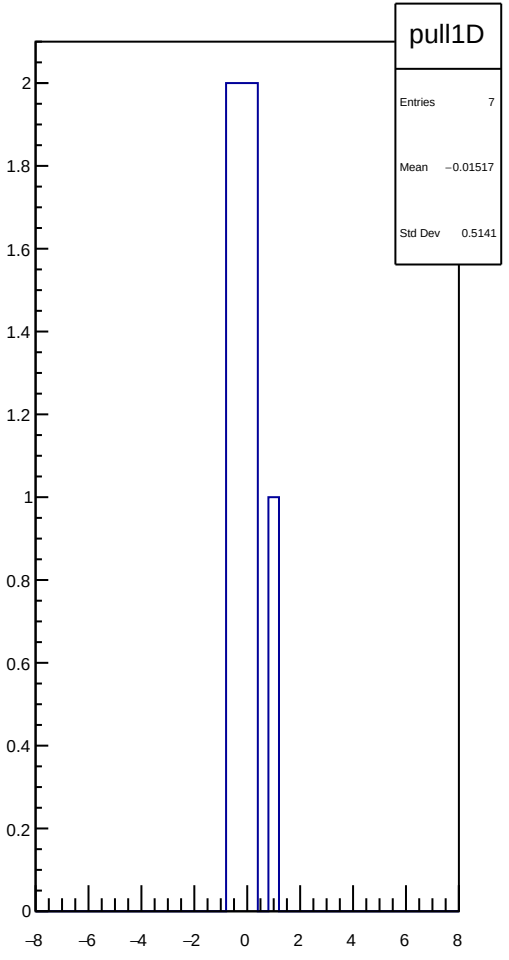

pull1D
Entries 7
Mean −0.05074
Std Dev 0.621
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

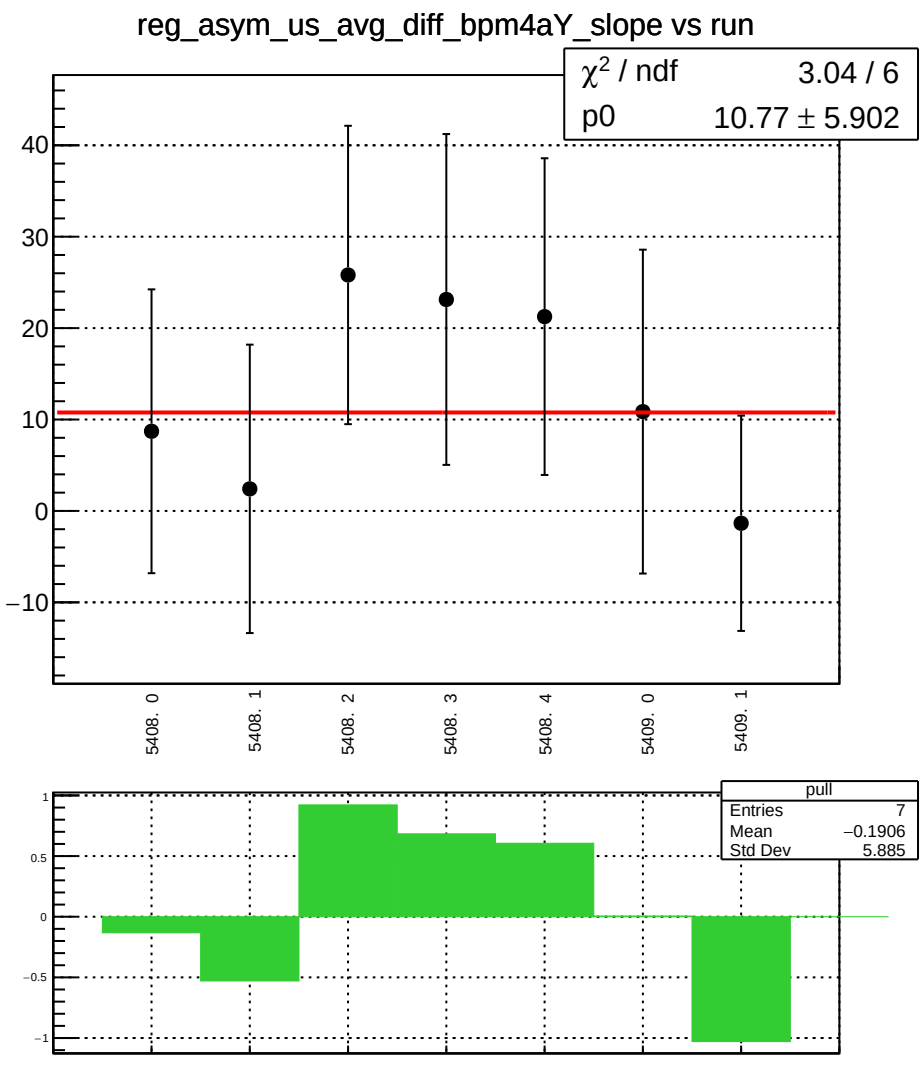

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 2.84 / 6
p0 −36.49 ± 0.3573
−34
−34.5
−35
−35.5
−36
−36.5
−37
−37.5
−38
−38.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.88
Std Dev 6.675
1.5
1
0.5
0
−0.5

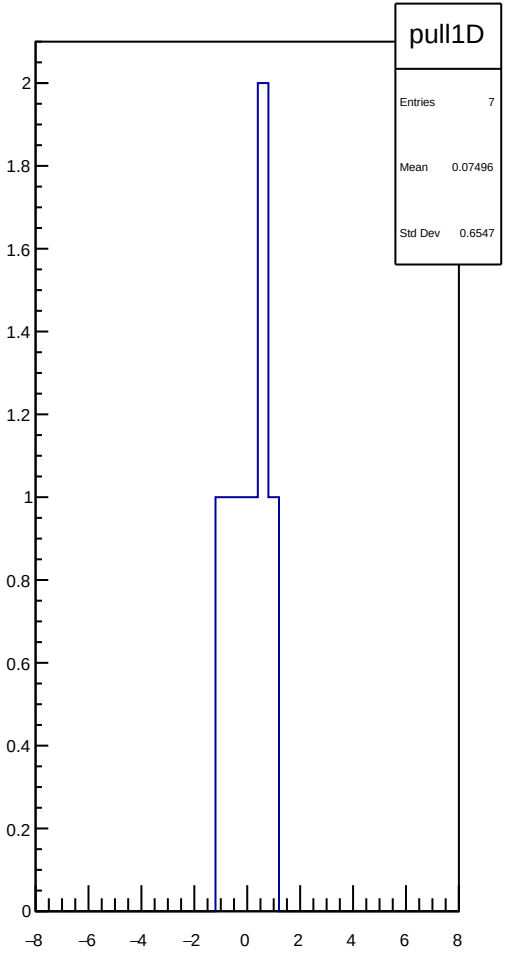

pull1D
Entries 7
Mean −0.01363
Std Dev 0.6369
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

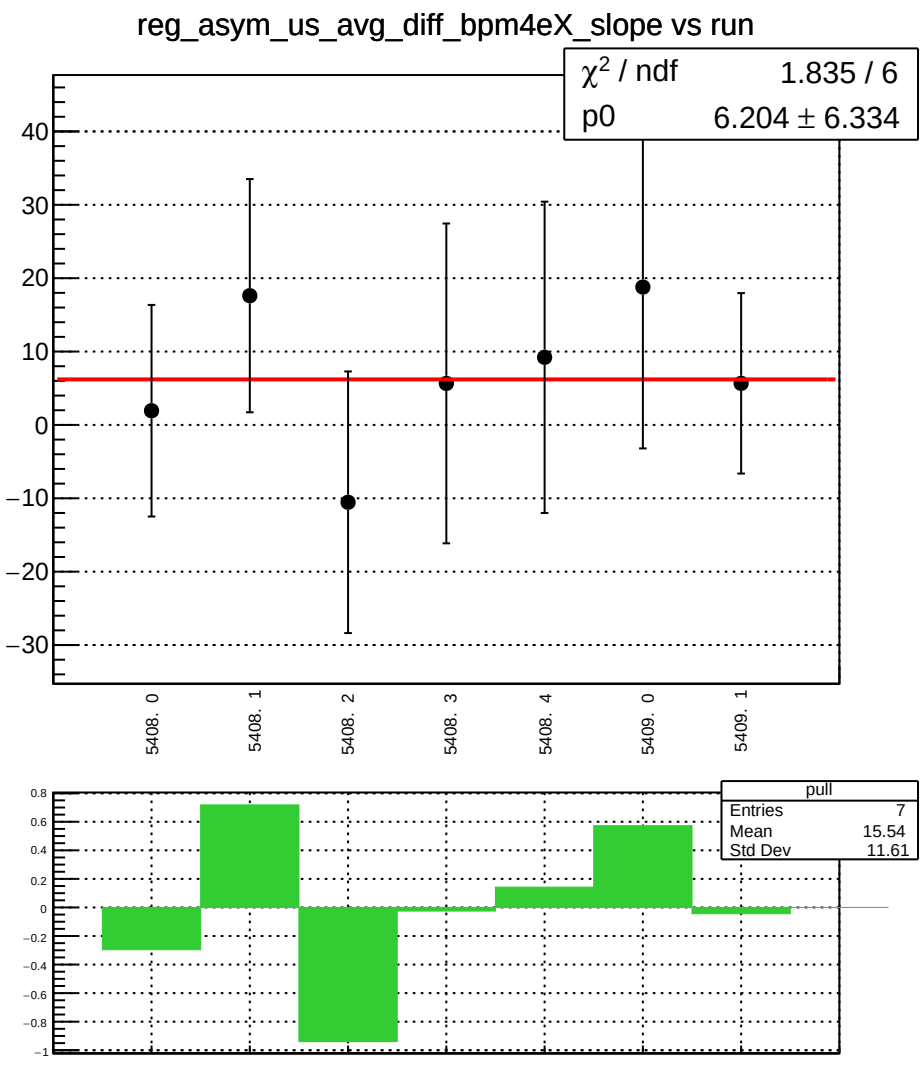

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.851 / 6
p0 11.2 ± 6.455
50
40
30
20
10
0
−10
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

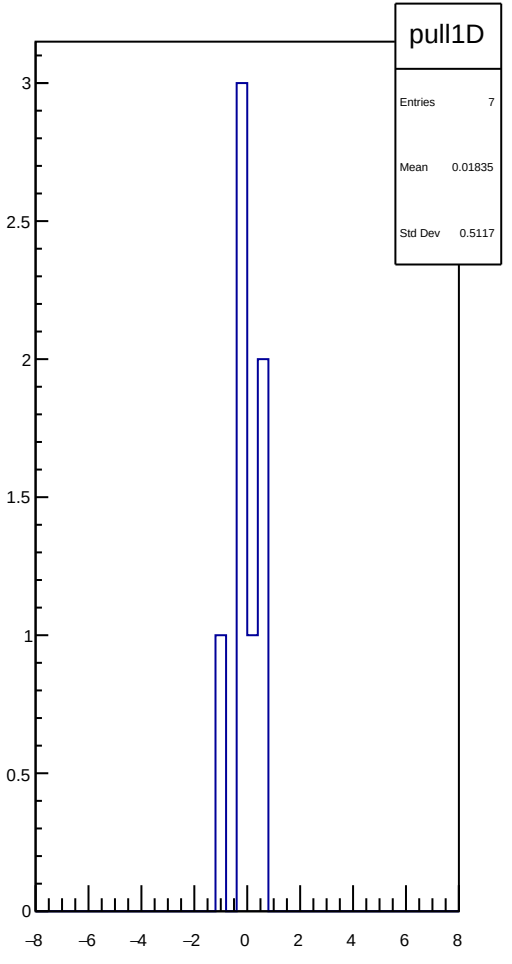

pull
Entries 7
Mean 19.84
Std Dev 16.04
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

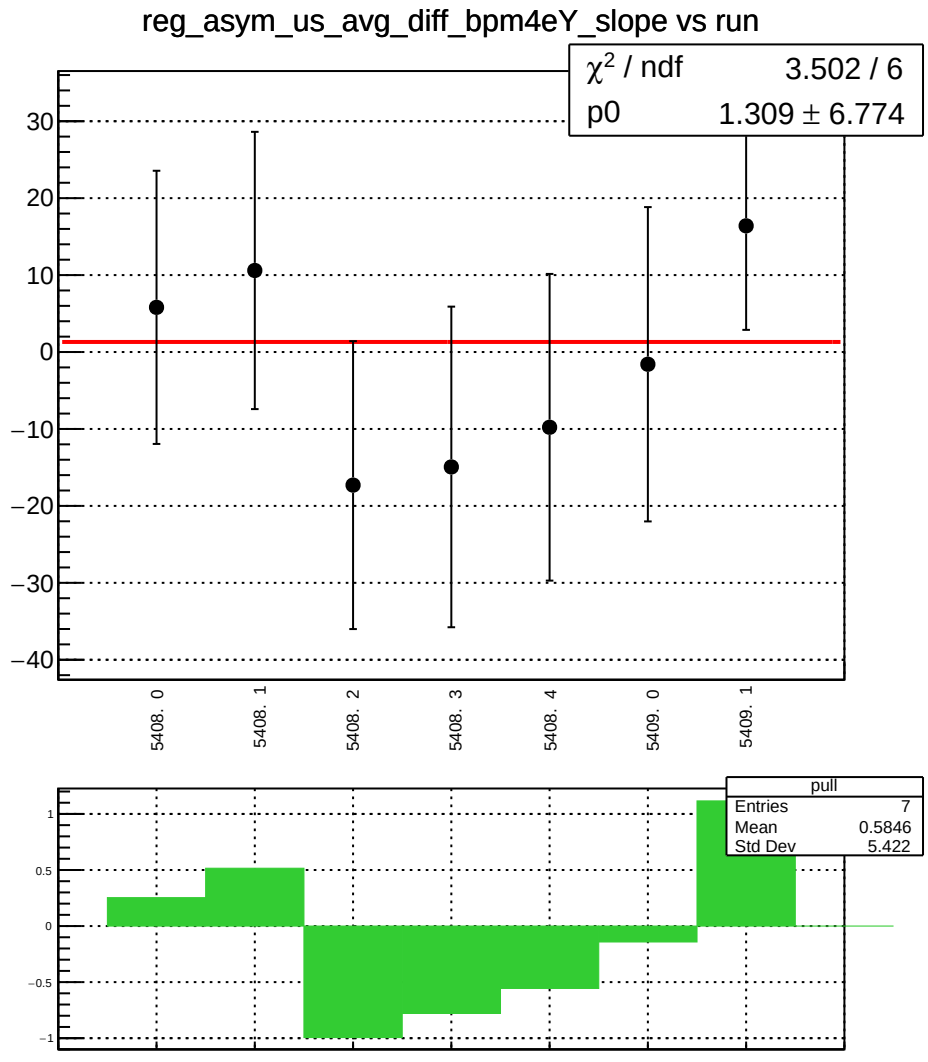

pull1D
Entries 7
Mean −0.01517
Std Dev 0.5141
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

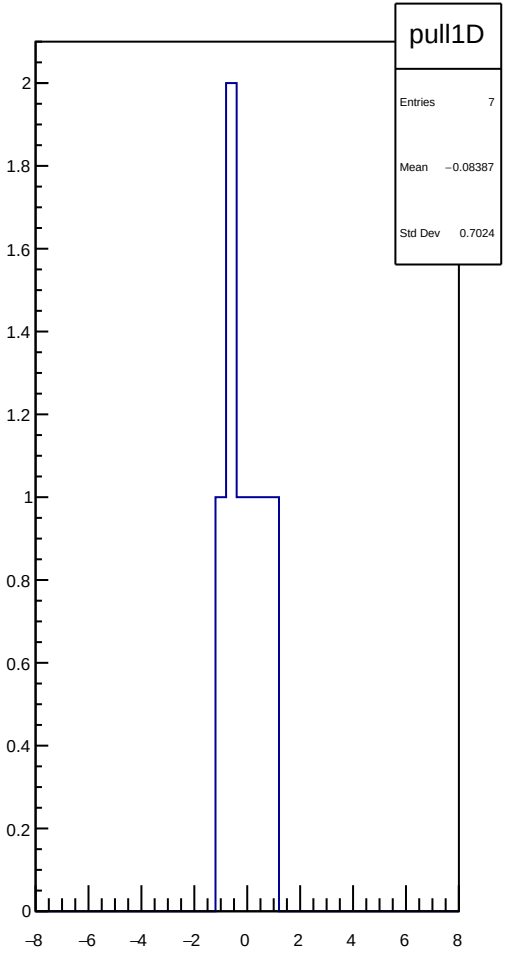

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.04 / 6
p0 10.77 ± 5.902
40
30
20
10
0
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −0.1906
Std Dev 5.885
1
0.5
0
−0.5
−1

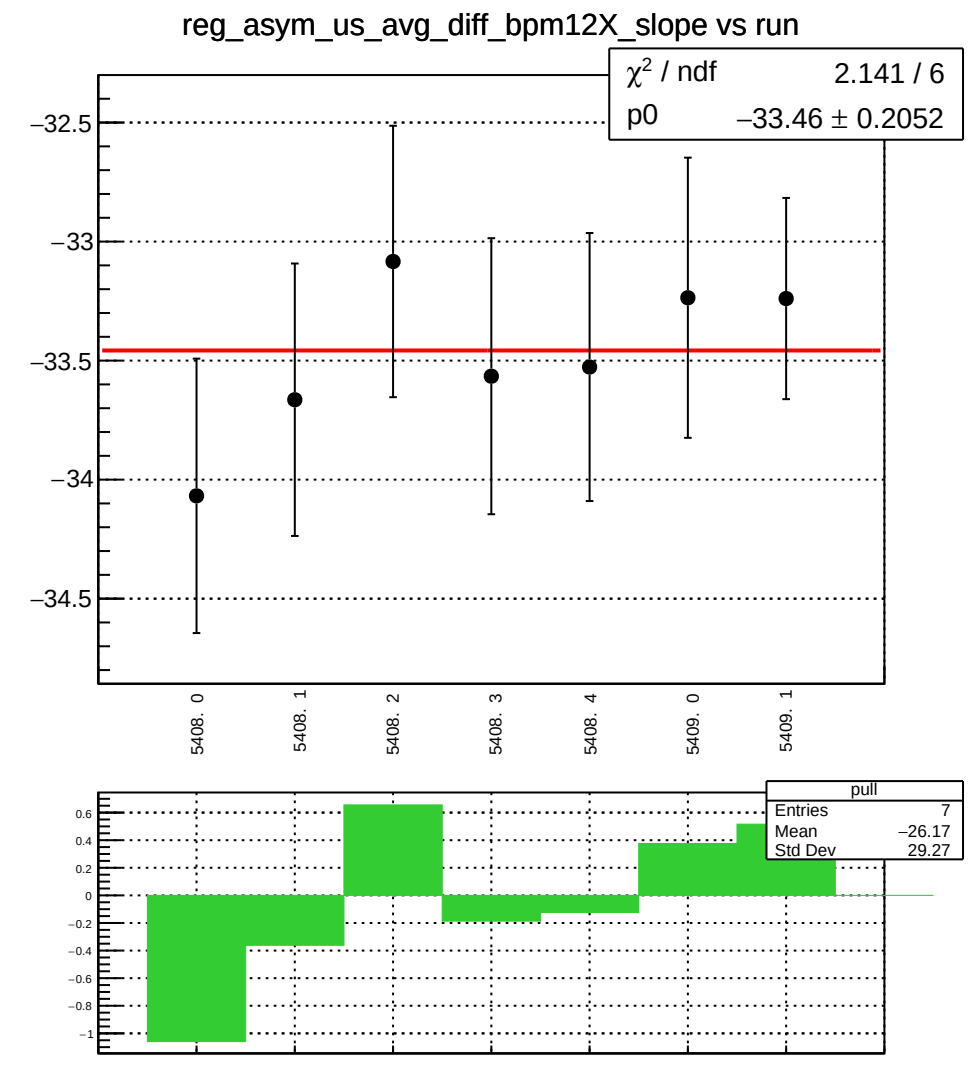

pull1D
Entries 7
Mean 0.07496
Std Dev 0.6547
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

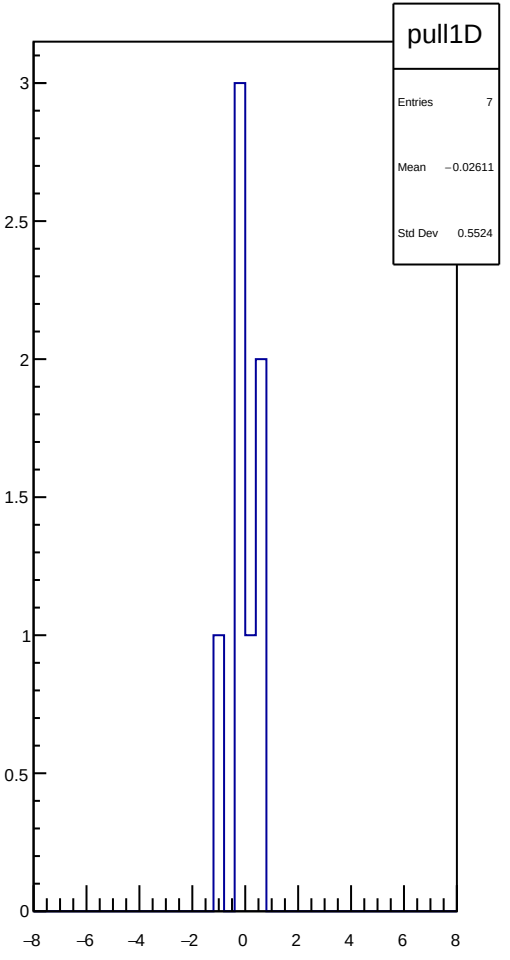

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.835 / 6
p0 6.204 ± 6.334
40
30
20
10
0
−10
−20
−30
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 15.54
Std Dev 11.61
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

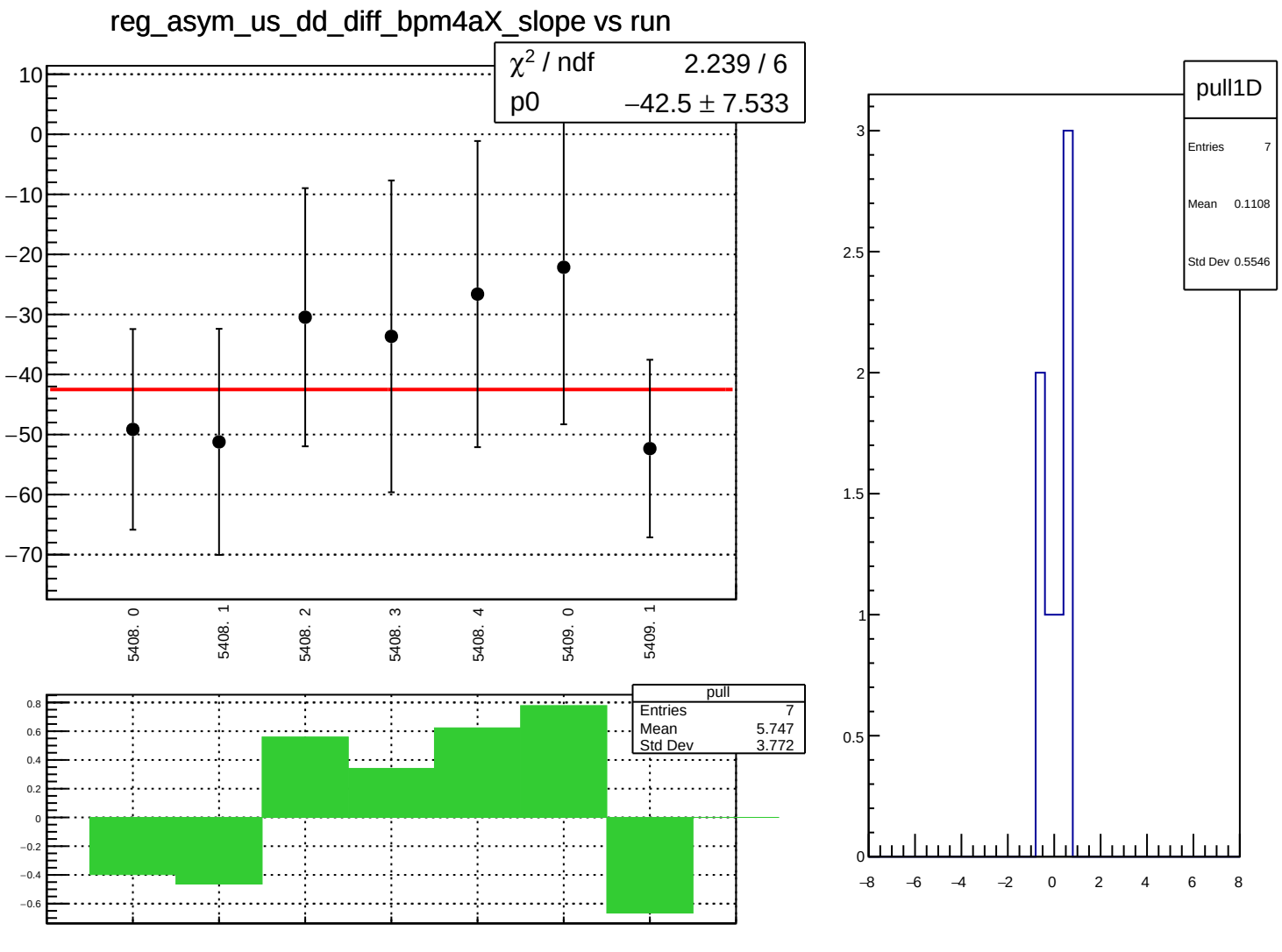

pull1D
Entries 7
Mean 0.01835
Std Dev 0.5117
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

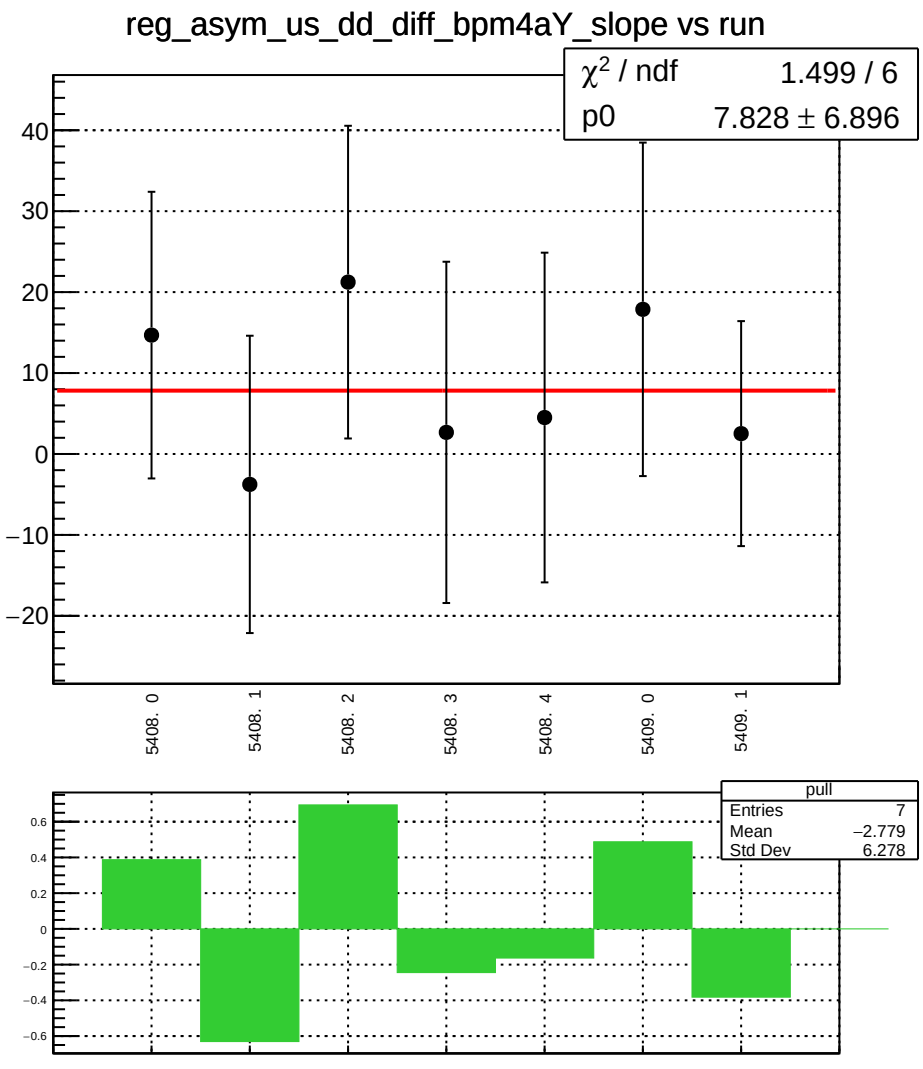

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.502 / 6
p0 1.309 ± 6.774
30
20
10
0
−10
−20
−30
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.5846
Std Dev 5.422
1
0.5
0
−0.5
−1

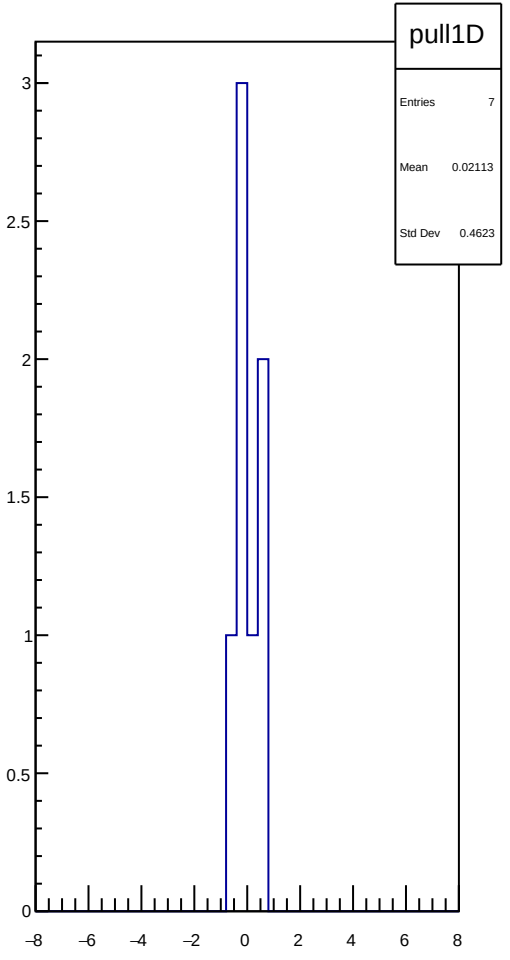

pull1D
Entries 7
Mean −0.08387
Std Dev 0.7024
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

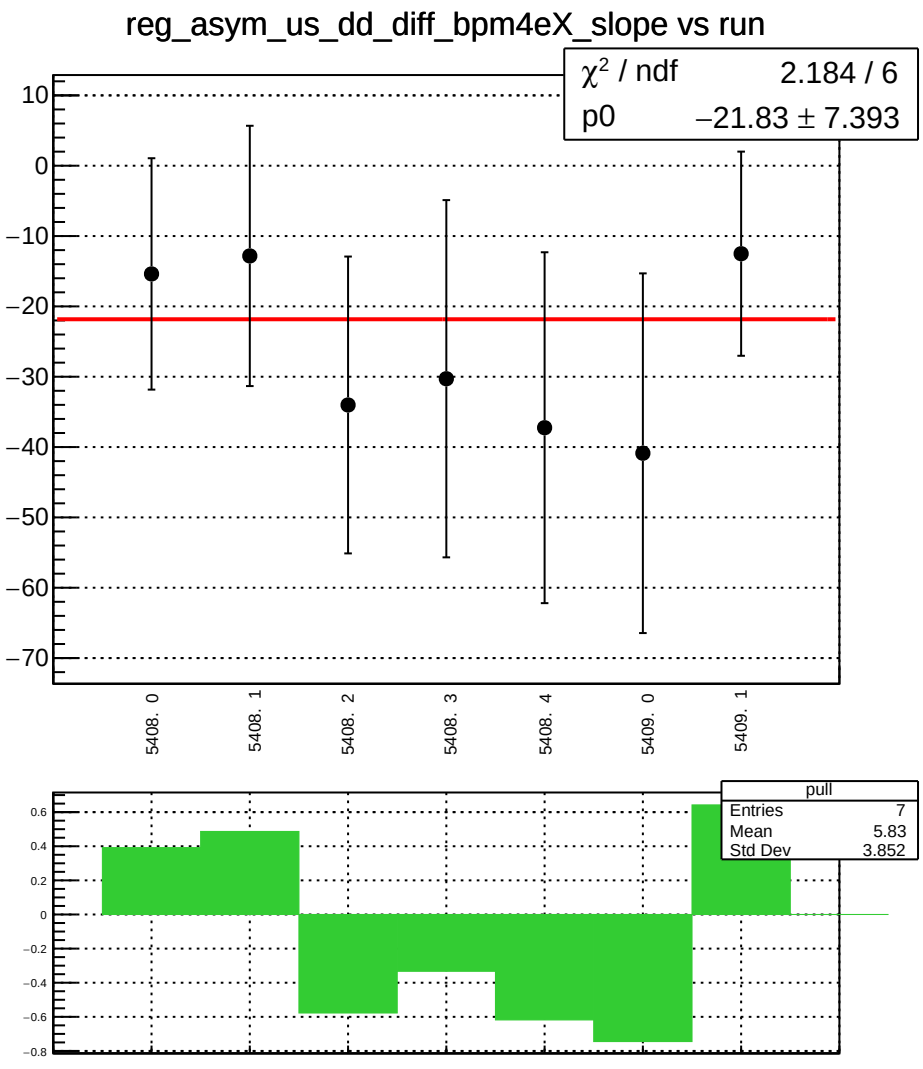

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 2.141 / 6
p0 −33.46 ± 0.2052
−32.5
−33
−33.5
−34
−34.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −26.17
Std Dev 29.27
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

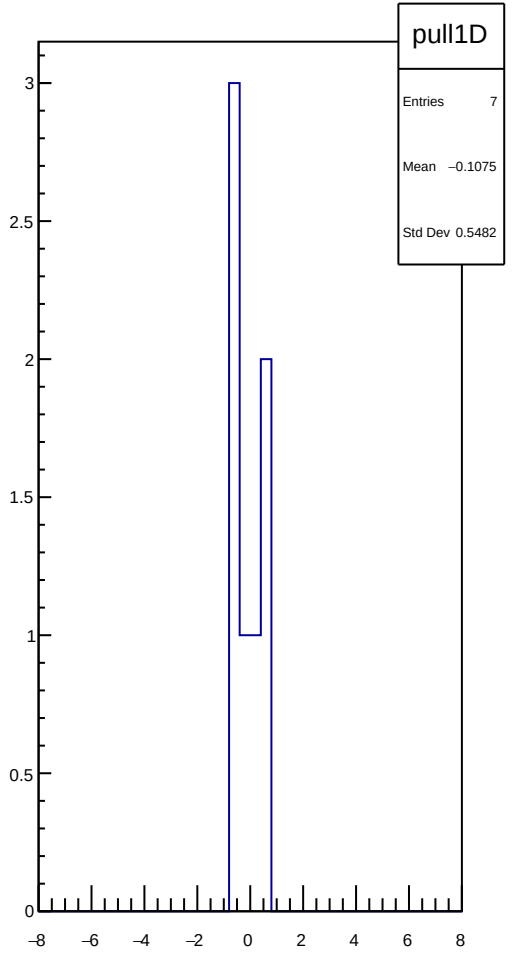

pull1D
Entries 7
Mean −0.02611
Std Dev 0.5524
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

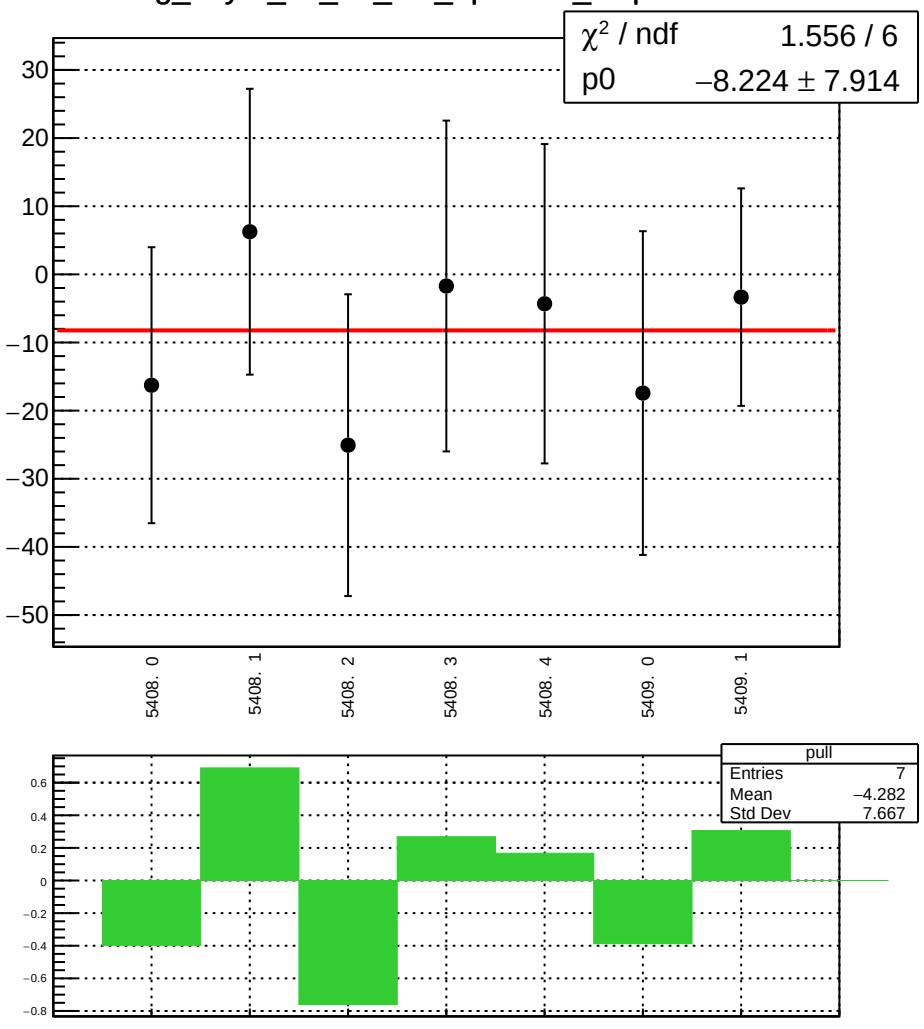

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.239 / 6
p0 −42.5 ± 7.533
10
0
−10
−20
−30
−40
−50
−60
−70
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.747
Std Dev 3.772
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 7
Mean 0.1108
Std Dev 0.5546
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

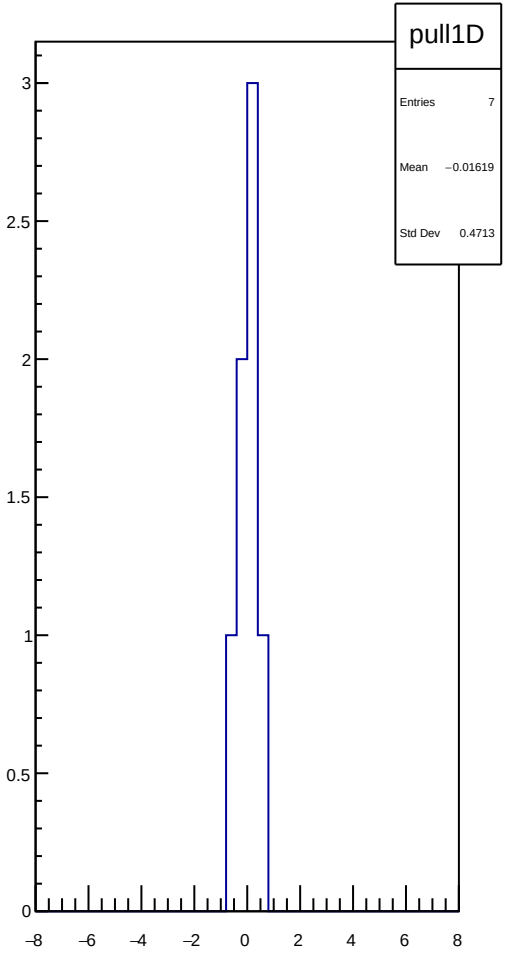

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.499 / 6
p0 7.828 ± 6.896
40
30
20
10
0
−10
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −2.779
Std Dev 6.278
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

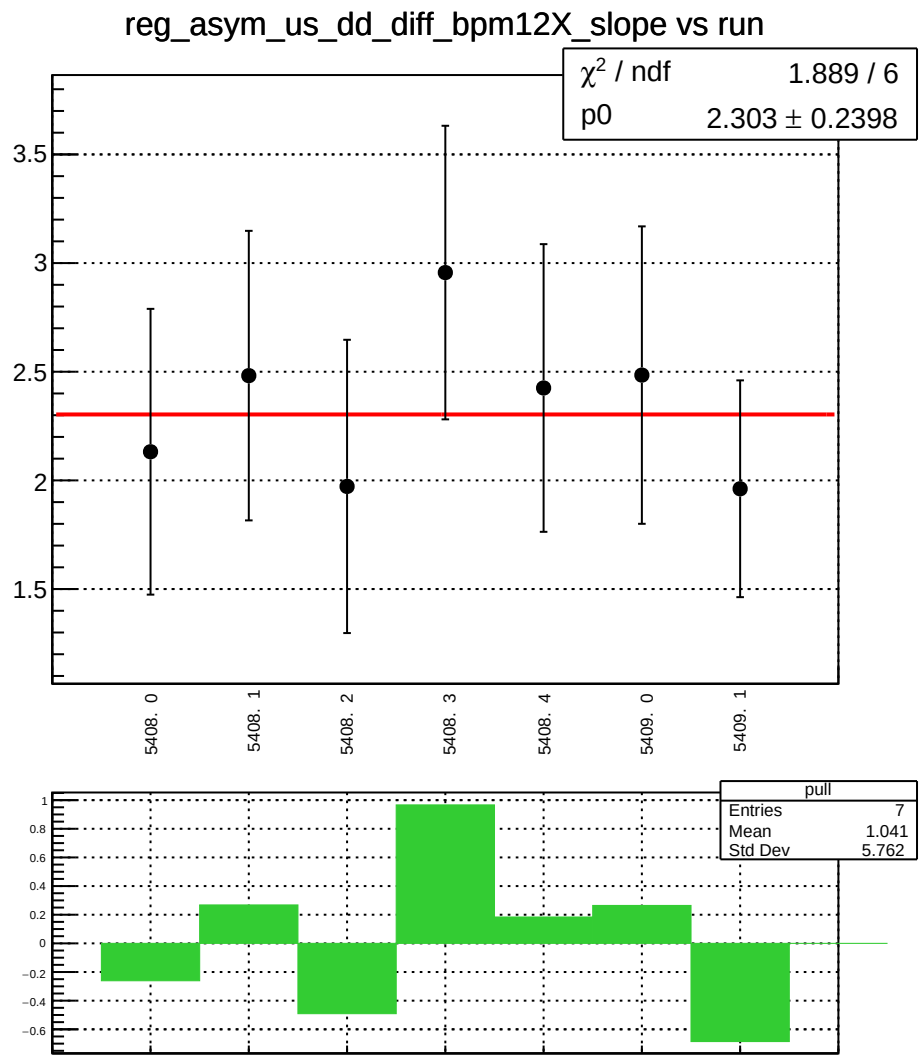

pull1D
Entries 7
Mean 0.02113
Std Dev 0.4623
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

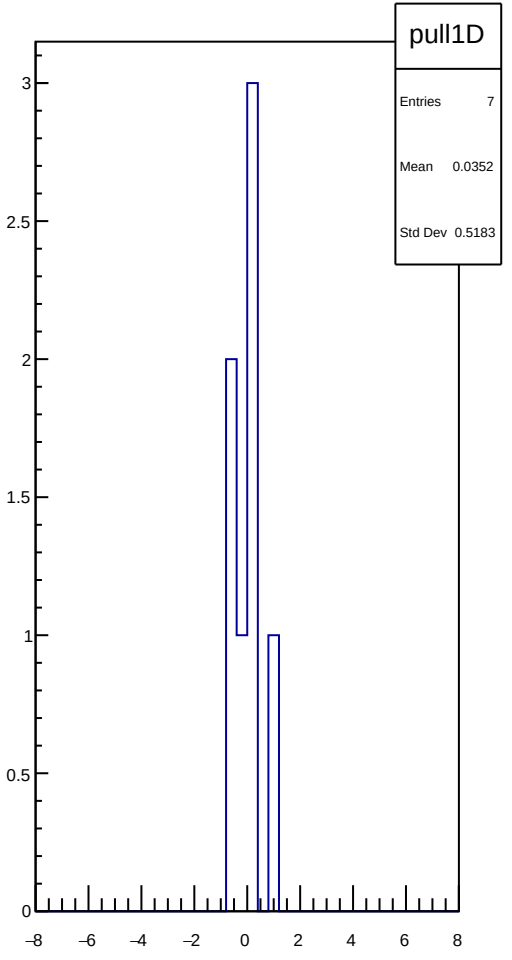

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.184 / 6
p0 −21.83 ± 7.393
10
0
−10
−20
−30
−40
−50
−60
−70
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.83
Std Dev 3.852
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

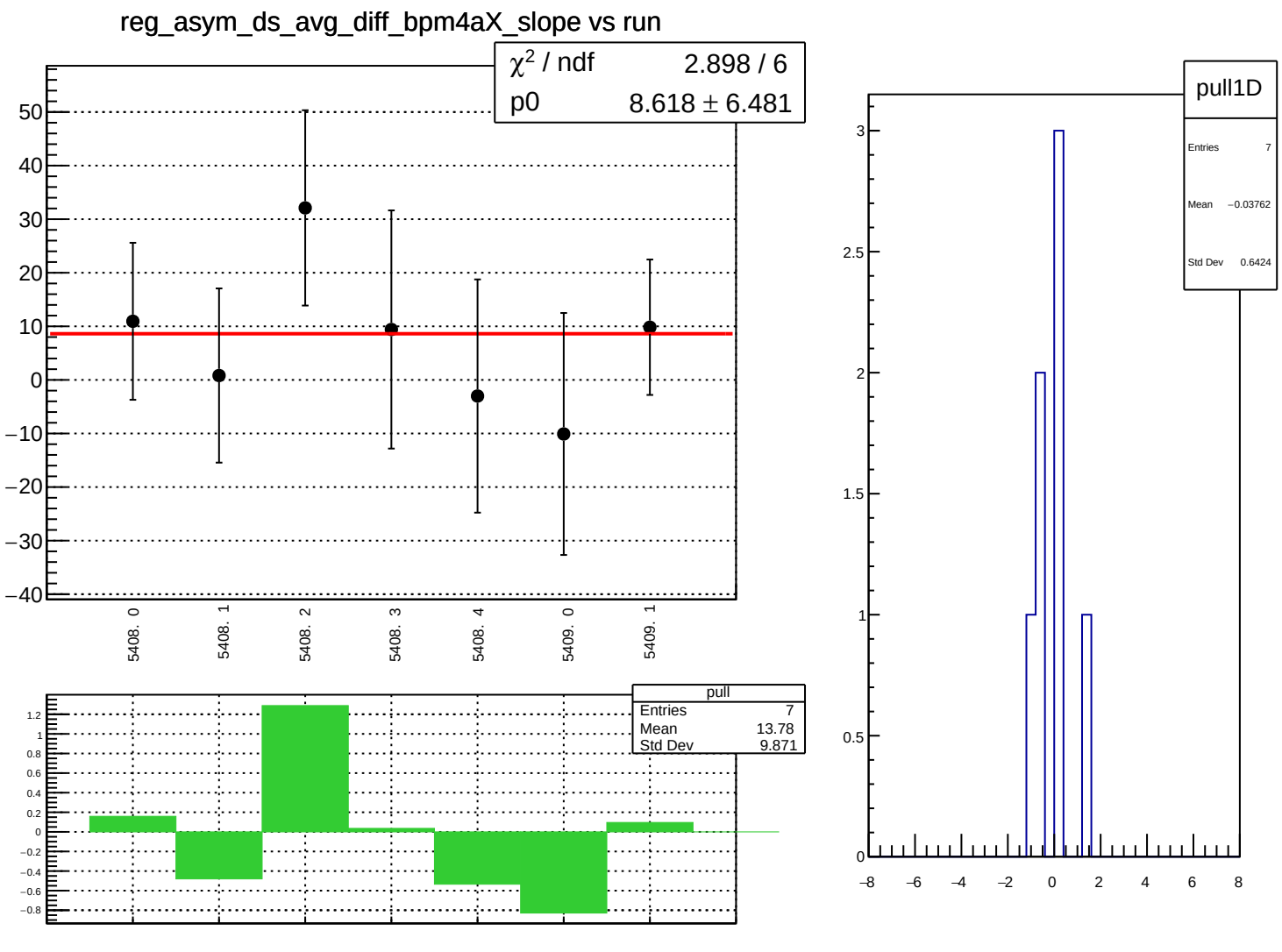

pull1D
Entries 7
Mean −0.1075
Std Dev 0.5482
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

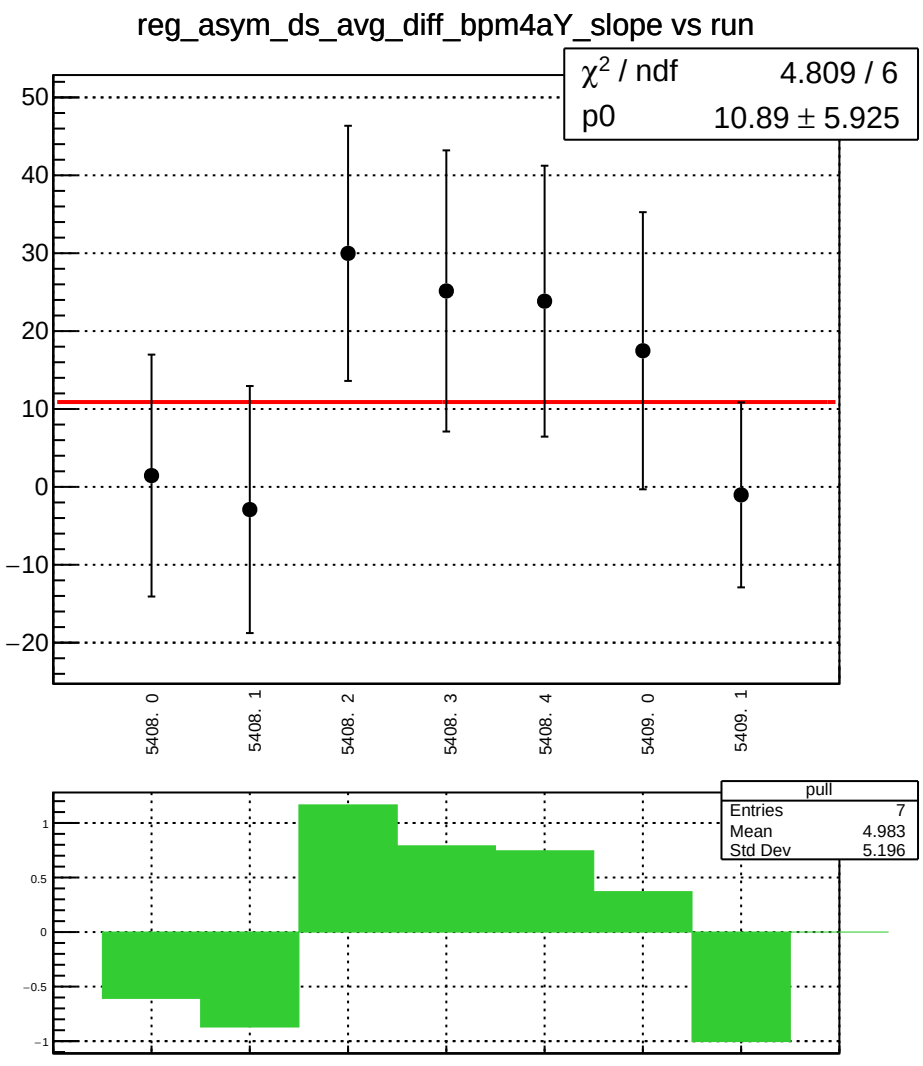

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.556 / 6
p0 −8.224 ± 7.914
30
20
10
0
−10
−20
−30
−40
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −4.282
Std Dev 7.667
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

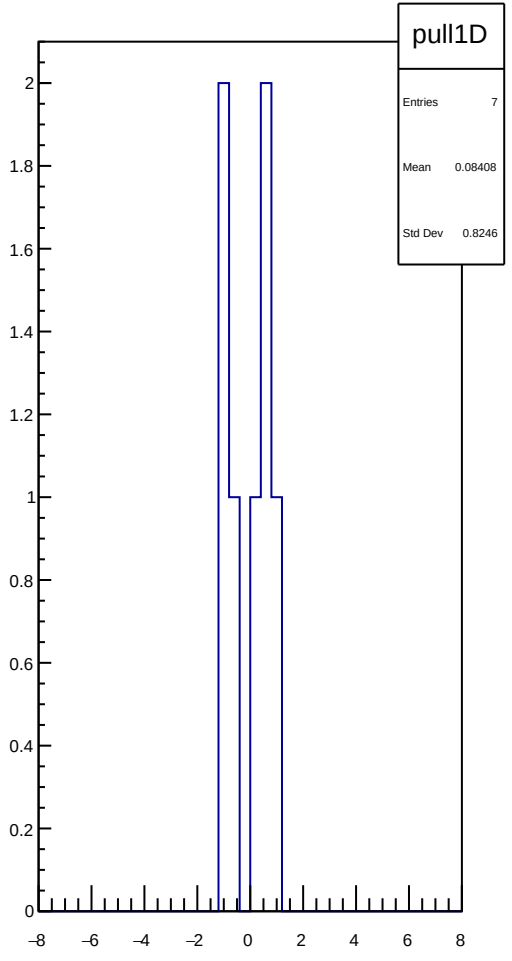

pull1D
Entries 7
Mean −0.01619
Std Dev 0.4713
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

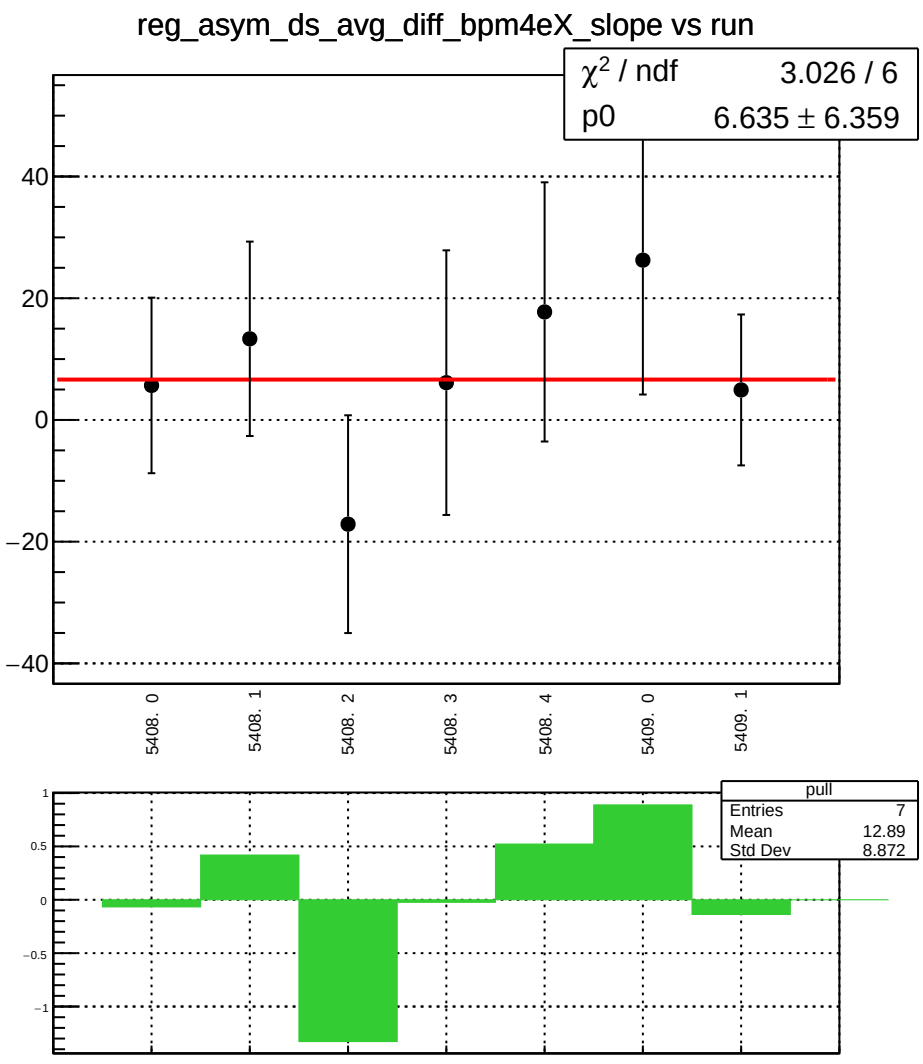

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 1.889 / 6
p0 2.303 ± 0.2398
3.5
3
2.5
2
1.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 1.041
Std Dev 5.762
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

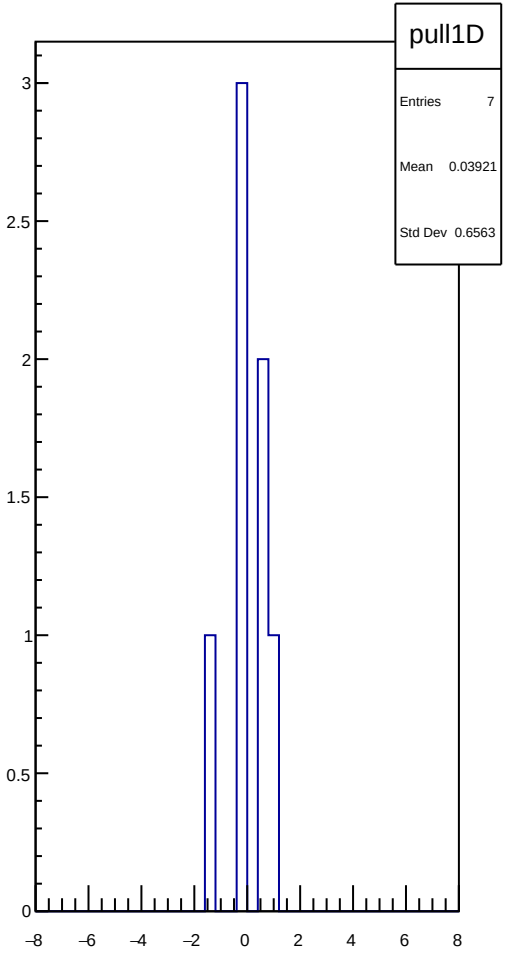

pull1D
Entries 7
Mean 0.0352
Std Dev 0.5183
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

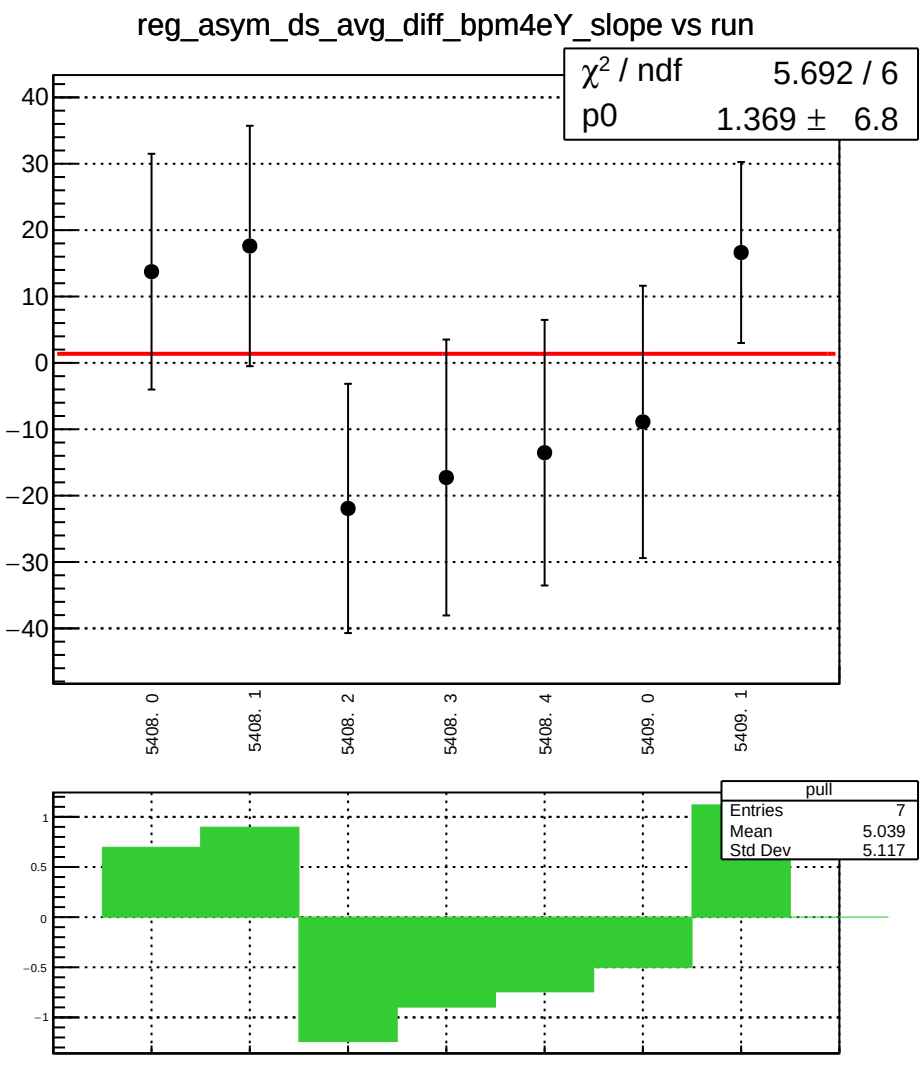

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.898 / 6
p0 8.618 ± 6.481
50
40
30
20
10
0
−10
−20
−30
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 13.78
Std Dev 9.871
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean −0.03762
Std Dev 0.6424
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

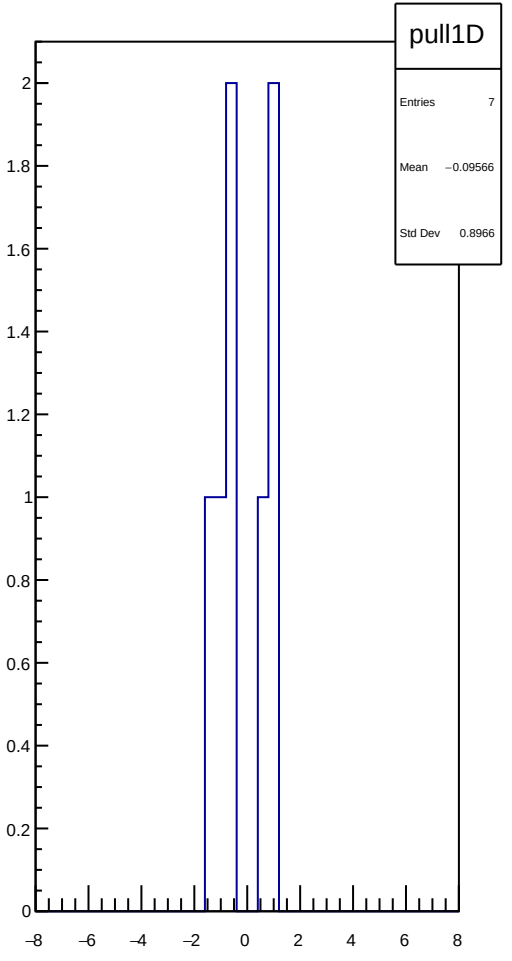

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.809 / 6
p0 10.89 ± 5.925
50
40
30
20
10
0
−10
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.983
Std Dev 5.196
1
0.5
0
−0.5
−1

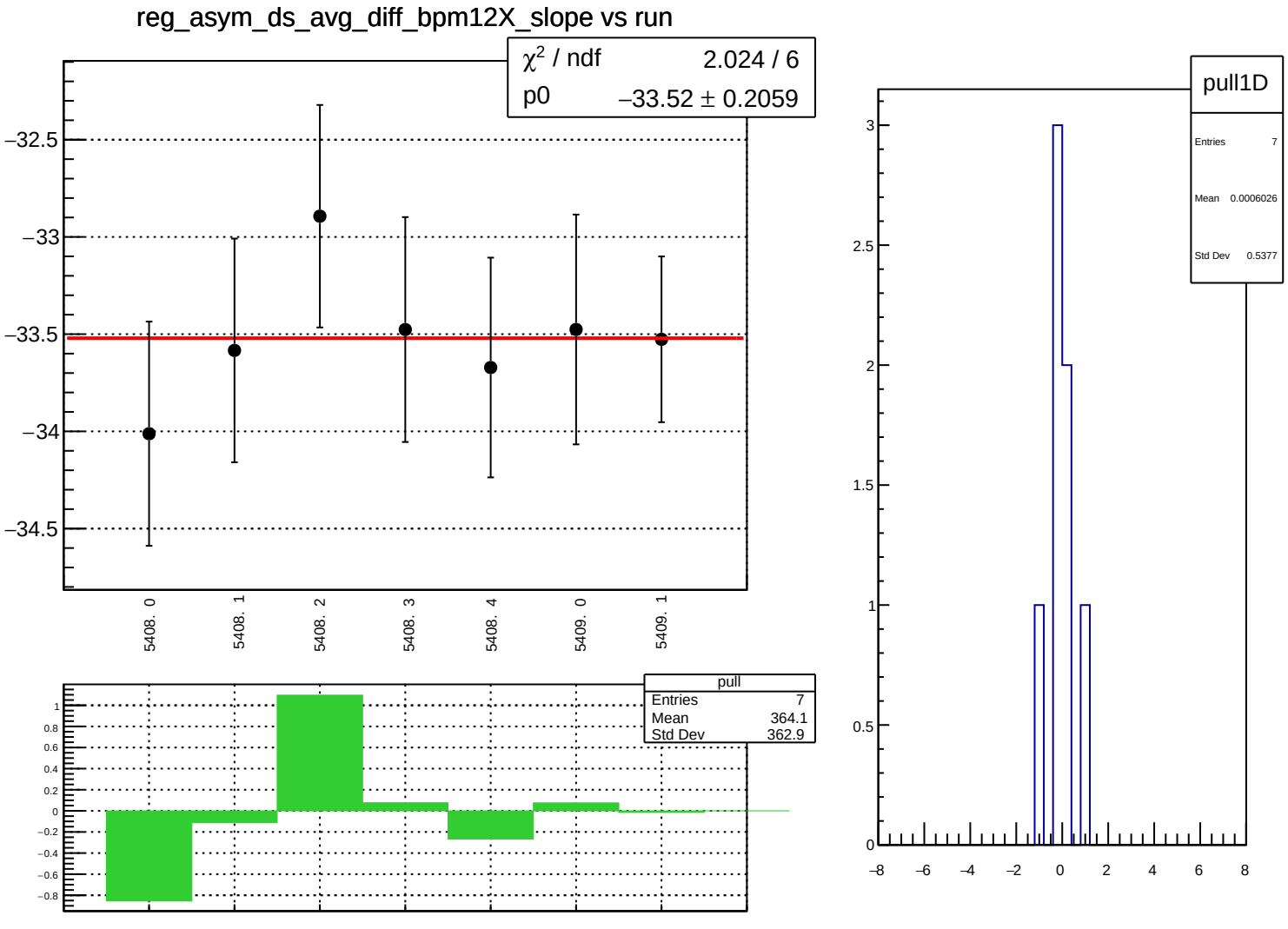

pull1D
Entries 7
Mean 0.08408
Std Dev 0.8246
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

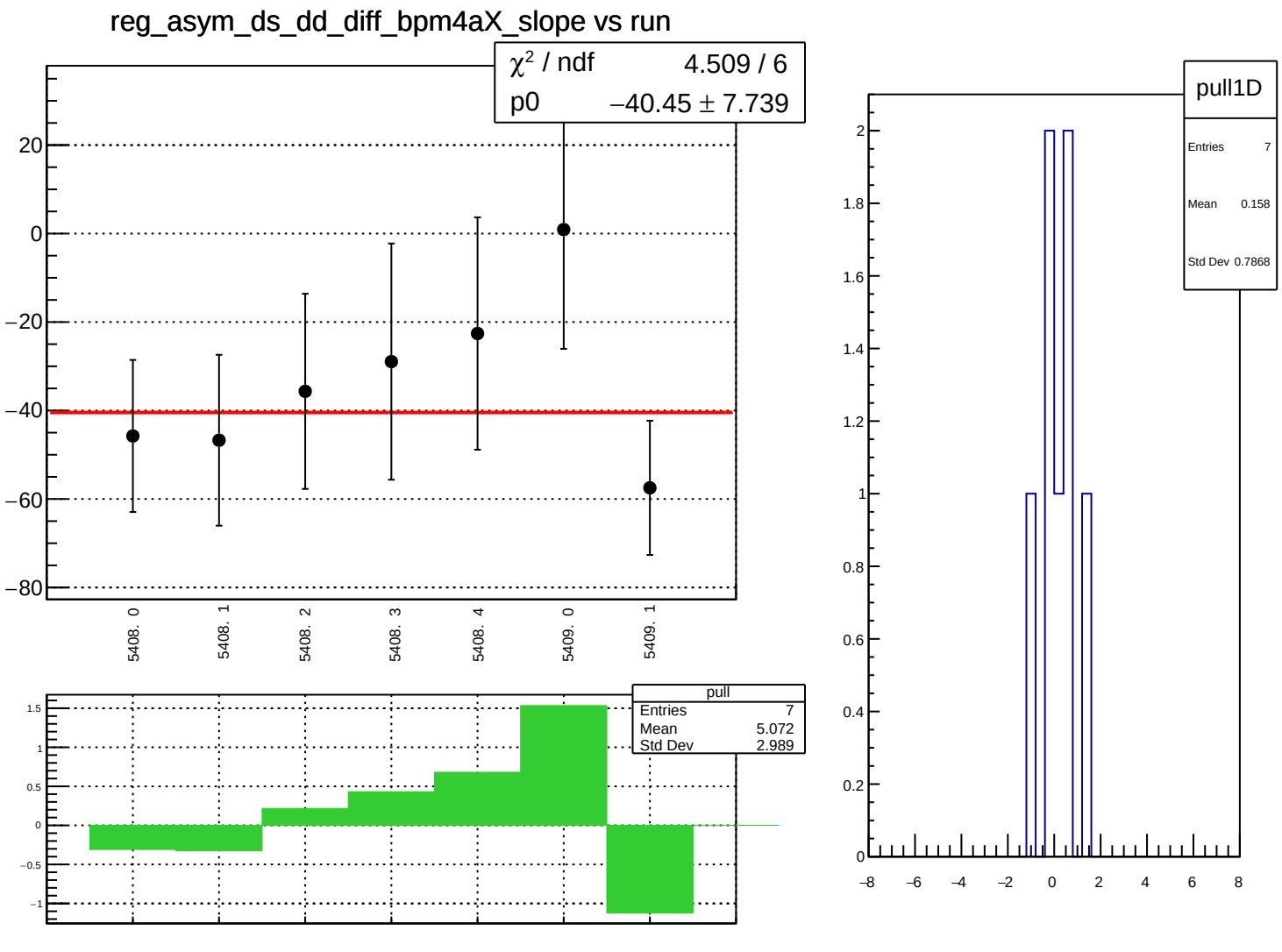

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.026 / 6
p0 6.635 ± 6.359
40
20
0
−20
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.89
Std Dev 8.872
1
0.5
0
−0.5
−1

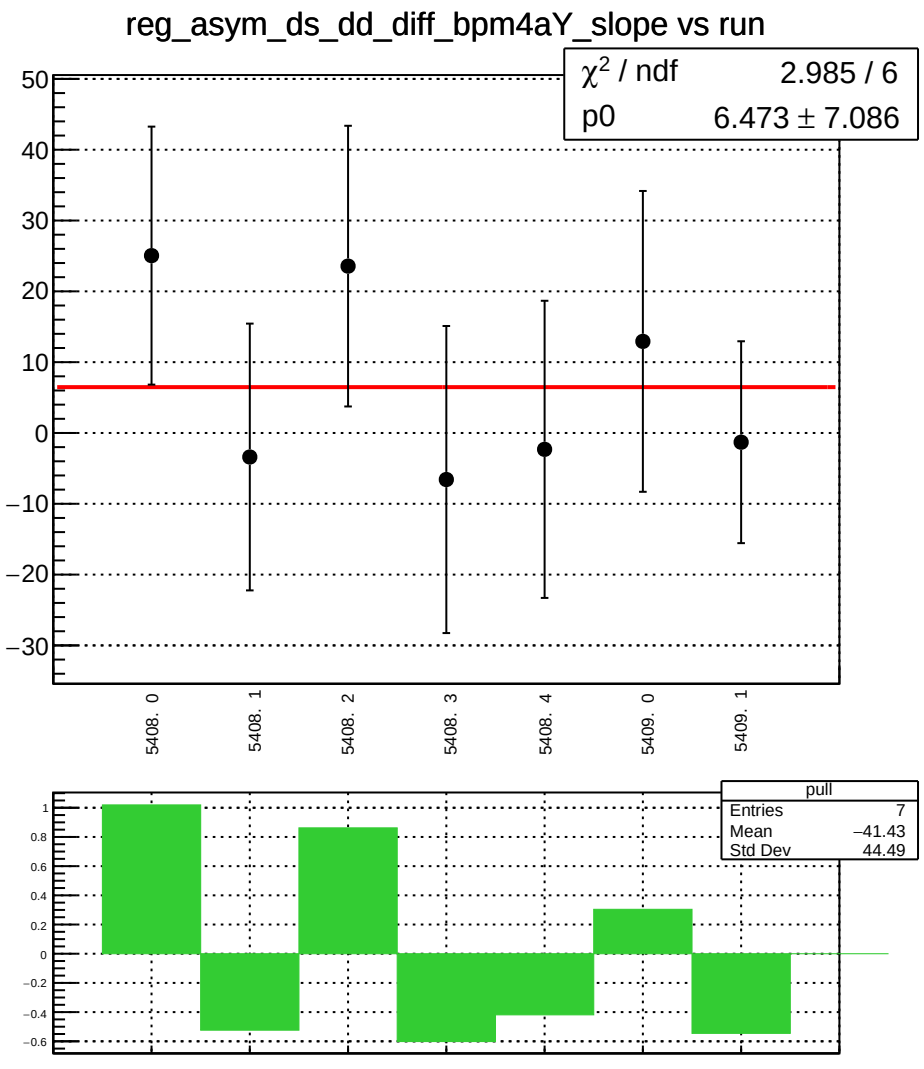

pull1D
Entries 7
Mean 0.03921
Std Dev 0.6563
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

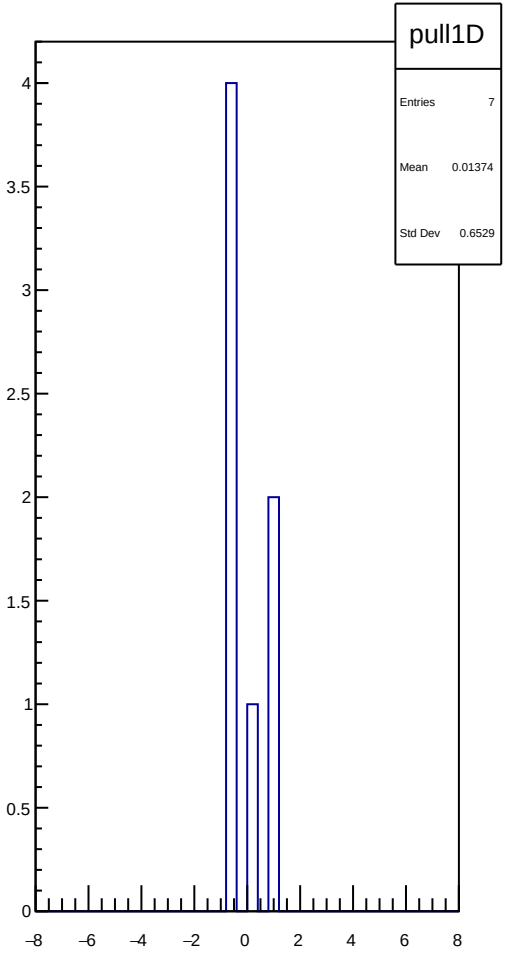

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.692 / 6
p0 1.369 ± 6.8
40
30
20
10
0
−10
−20
−30
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.039
Std Dev 5.117
1
0.5
0
−0.5
−1

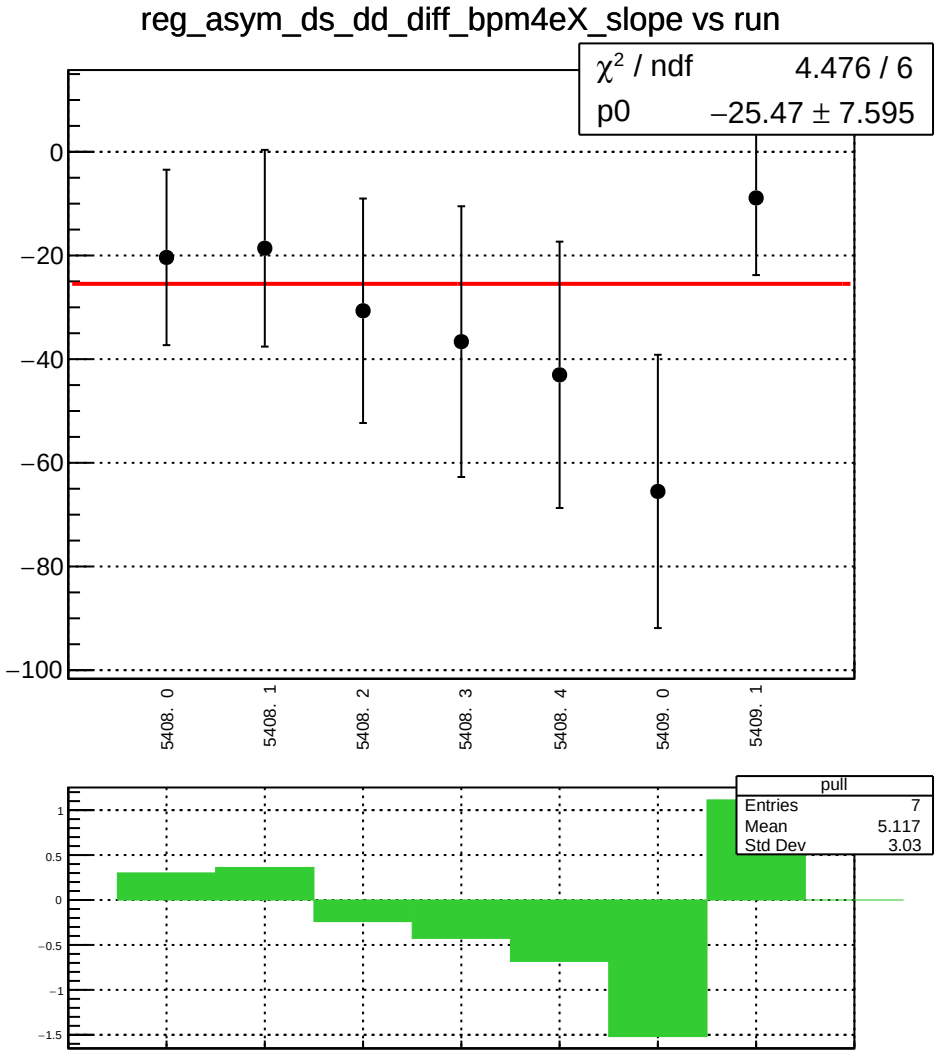

pull1D
Entries 7
Mean −0.09566
Std Dev 0.8966
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

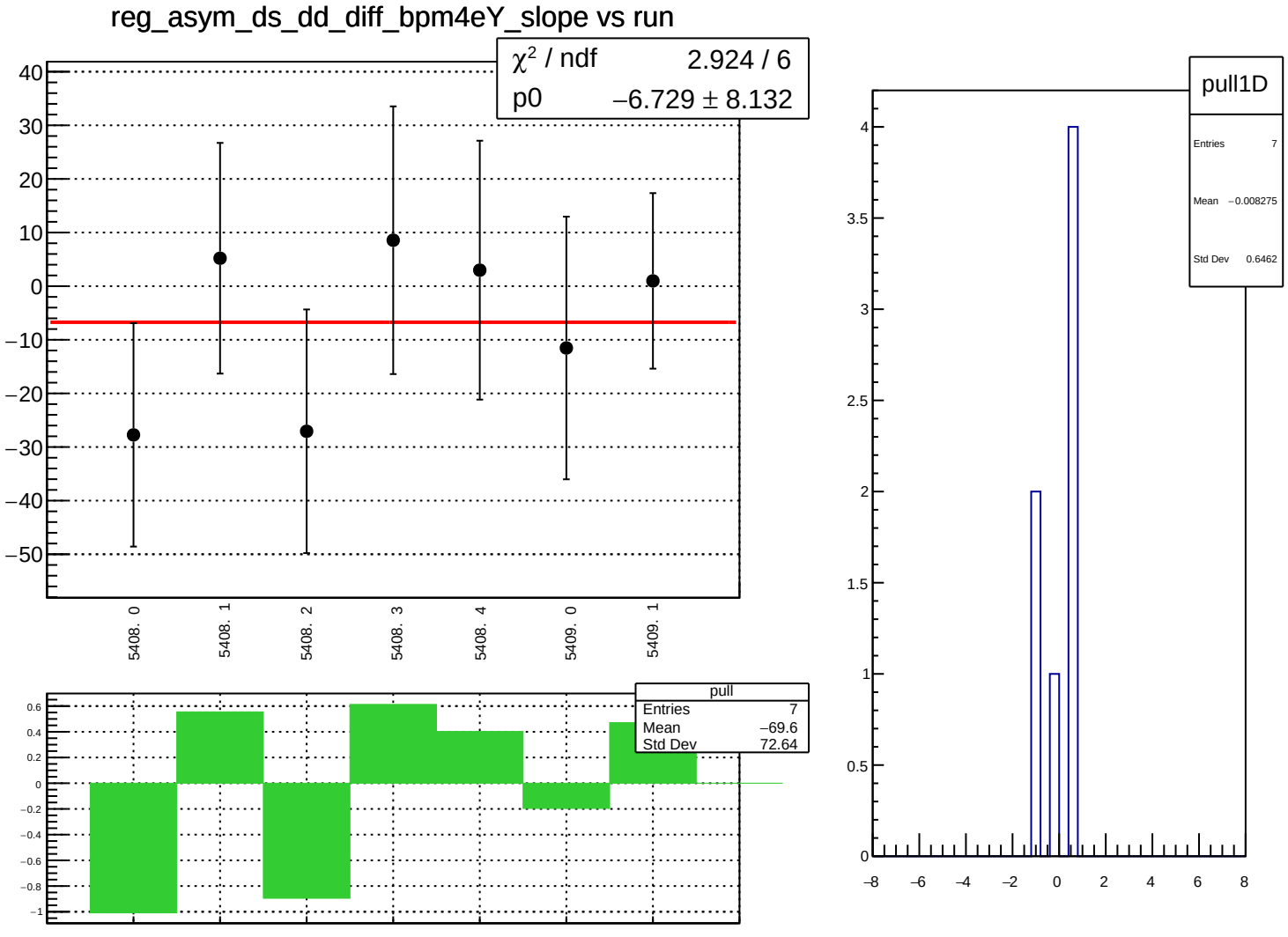

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 2.024 / 6
p0 −33.52 ± 0.2059
−32.5
−33
−33.5
−34
−34.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 364.1
Std Dev 362.9
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean 0.0006026
Std Dev 0.5377
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

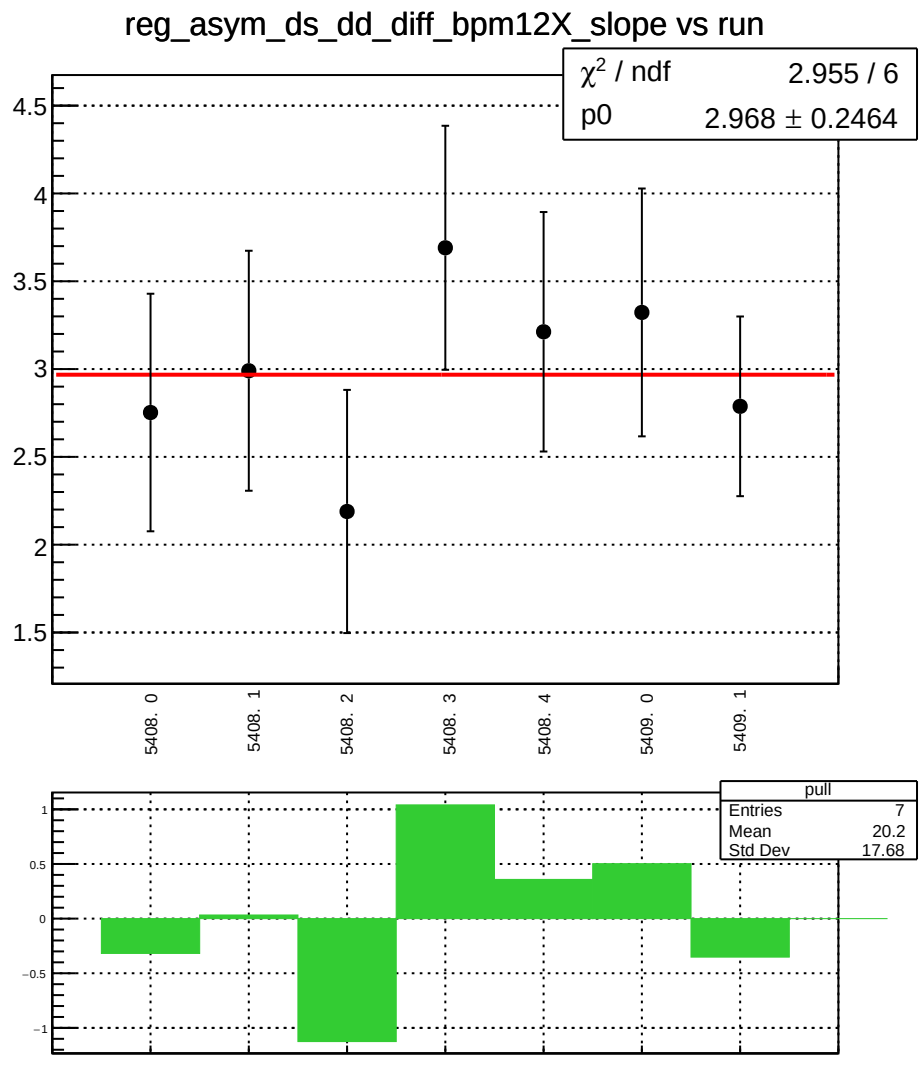

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.509 / 6
p0 −40.45 ± 7.739
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.072
Std Dev 2.989
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.158
Std Dev 0.7868
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

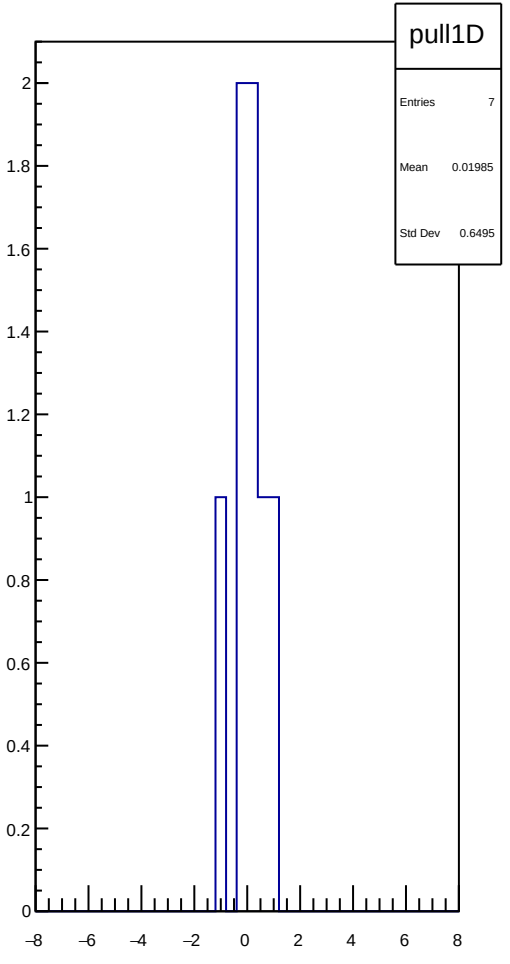

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.985 / 6
p0 6.473 ± 7.086
50
40
30
20
10
0
−10
−20
−30
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −41.43
Std Dev 44.49
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

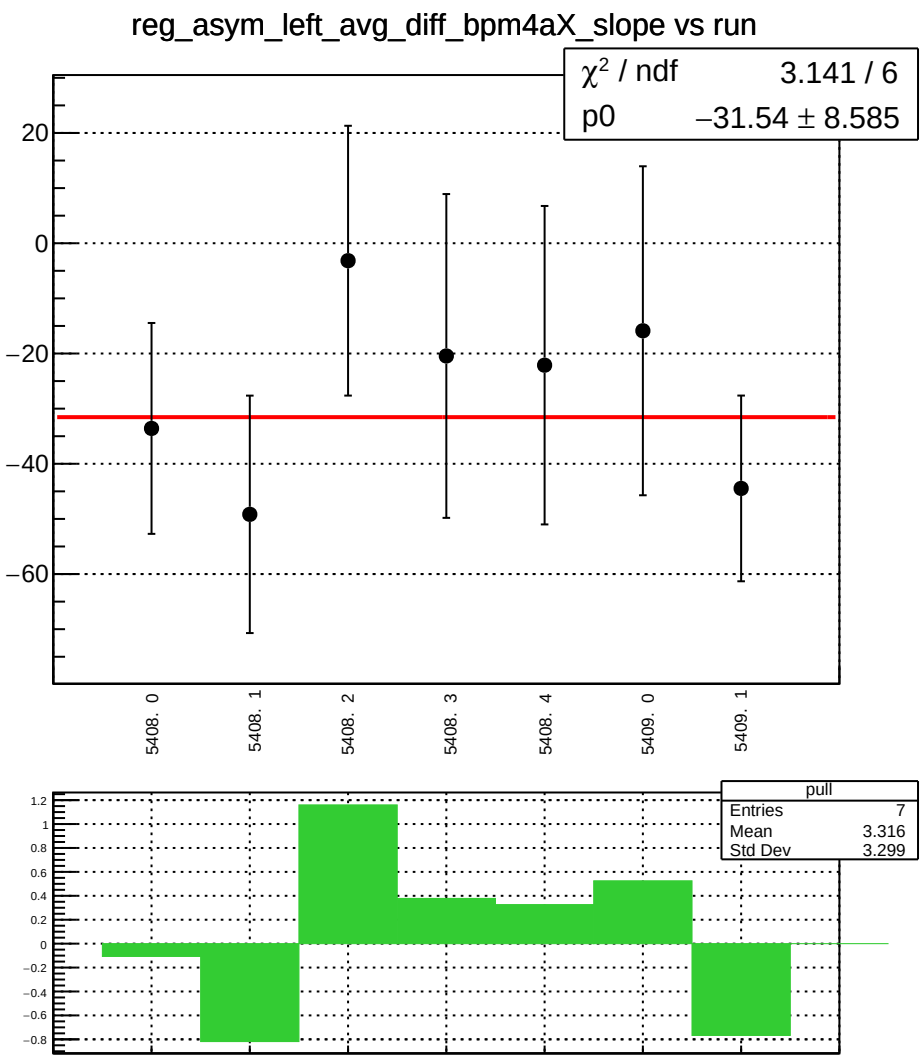

pull1D
Entries 7
Mean 0.01374
Std Dev 0.6529
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

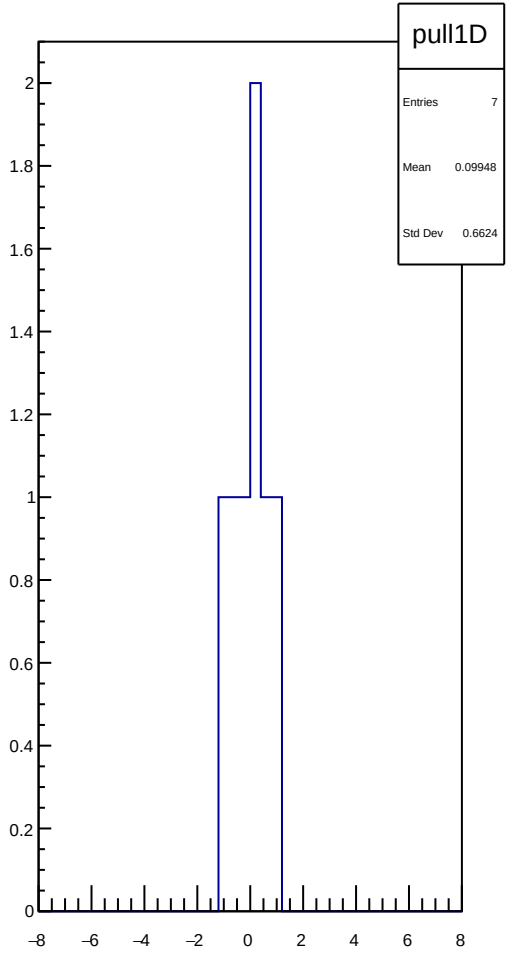

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.476 / 6
p0 −25.47 ± 7.595
0
−20
−40
−60
−80
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.117
Std Dev 3.03
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.1562
Std Dev 0.7842
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

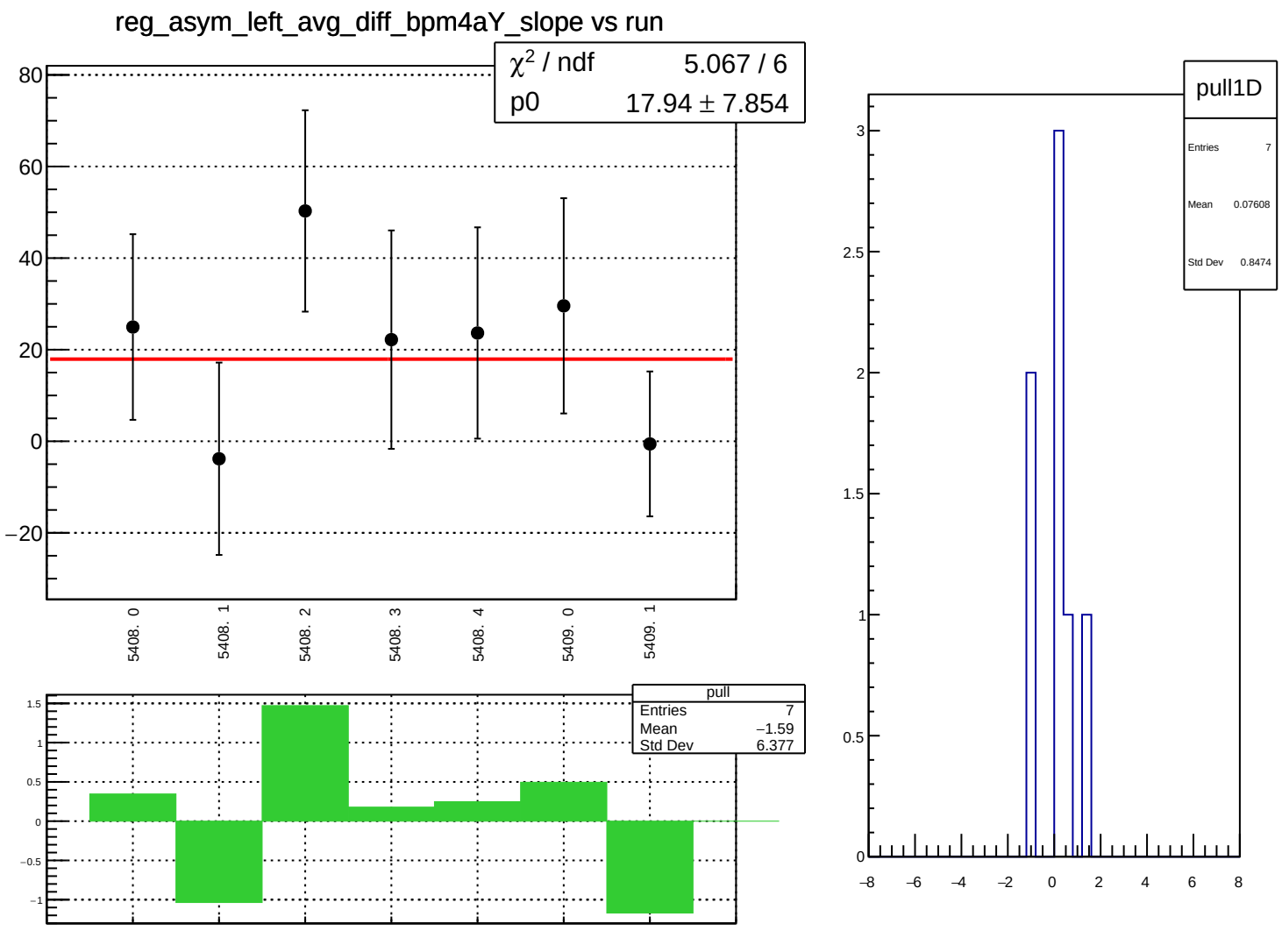

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.924 / 6
p0 −6.729 ± 8.132
40
30
20
10
0
−10
−20
−30
−40
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −69.6
Std Dev 72.64
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 7
Mean −0.008275
Std Dev 0.6462
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

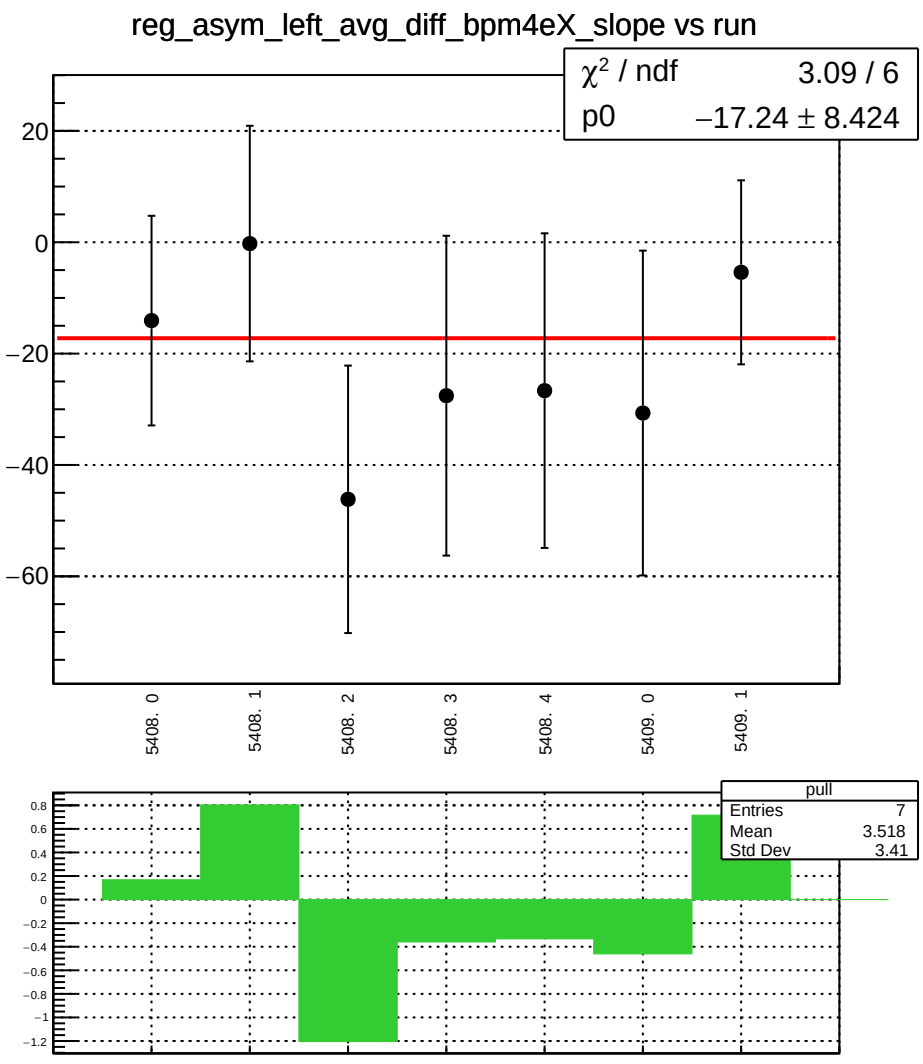

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 2.955 / 6
p0 2.968 ± 0.2464
4.5
4
3.5
3
2.5
2
1.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 20.2
Std Dev 17.68
1
0.5
0
−0.5
−1

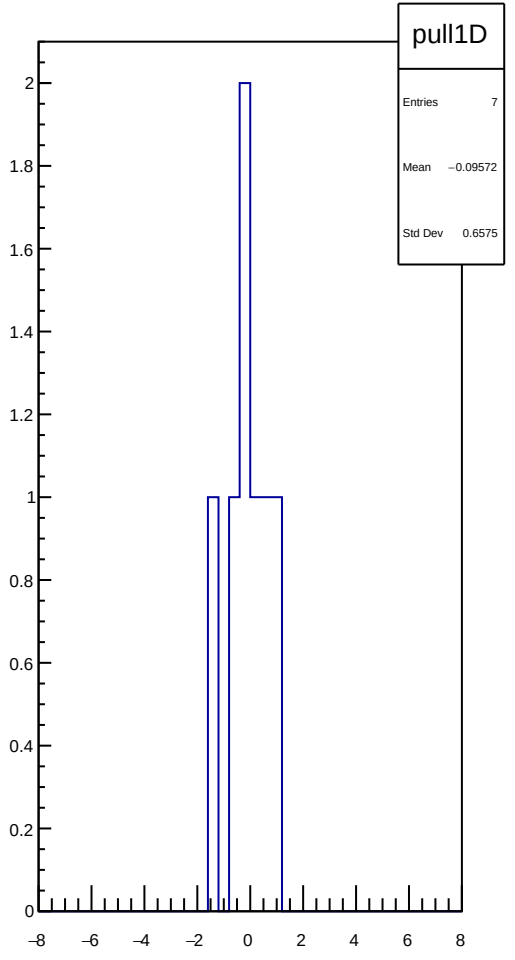

pull1D
Entries 7
Mean 0.01985
Std Dev 0.6495
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

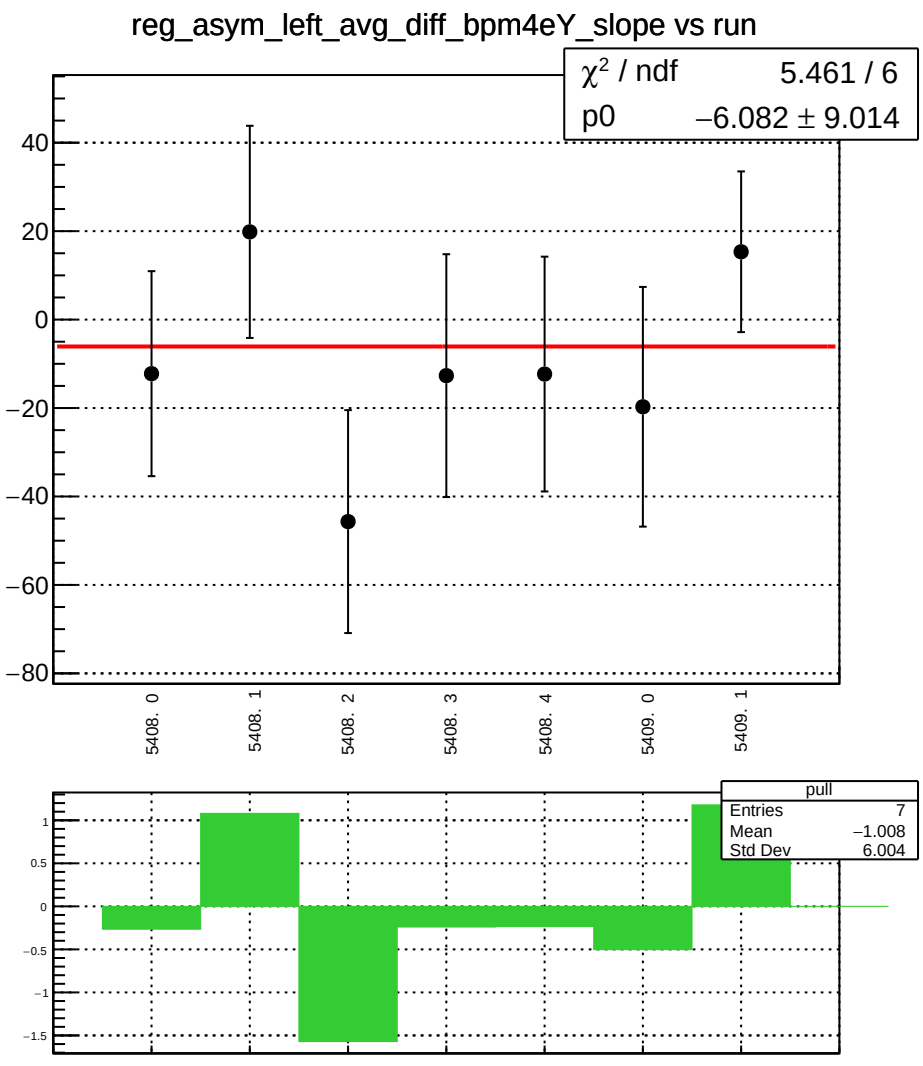

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.141 / 6
p0 −31.54 ± 8.585
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.316
Std Dev 3.299
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

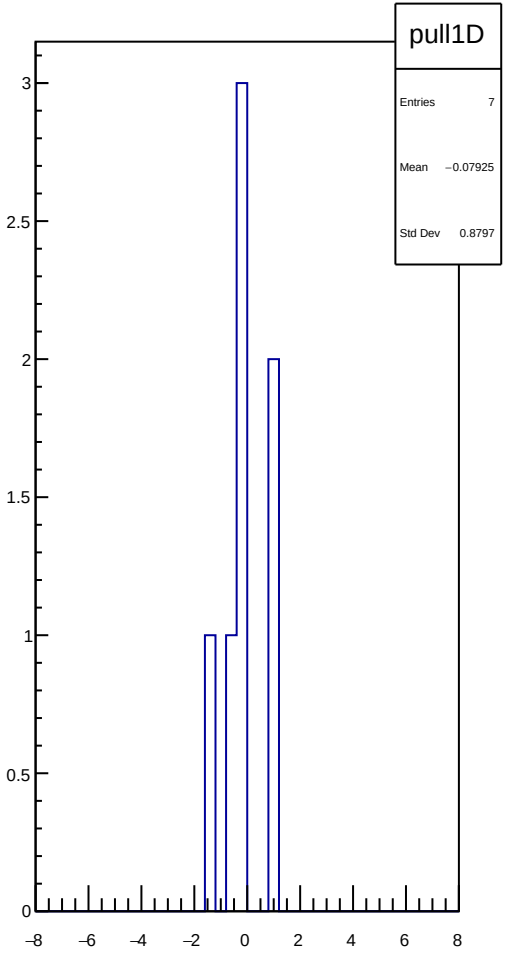

pull1D
Entries 7
Mean 0.09948
Std Dev 0.6624
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

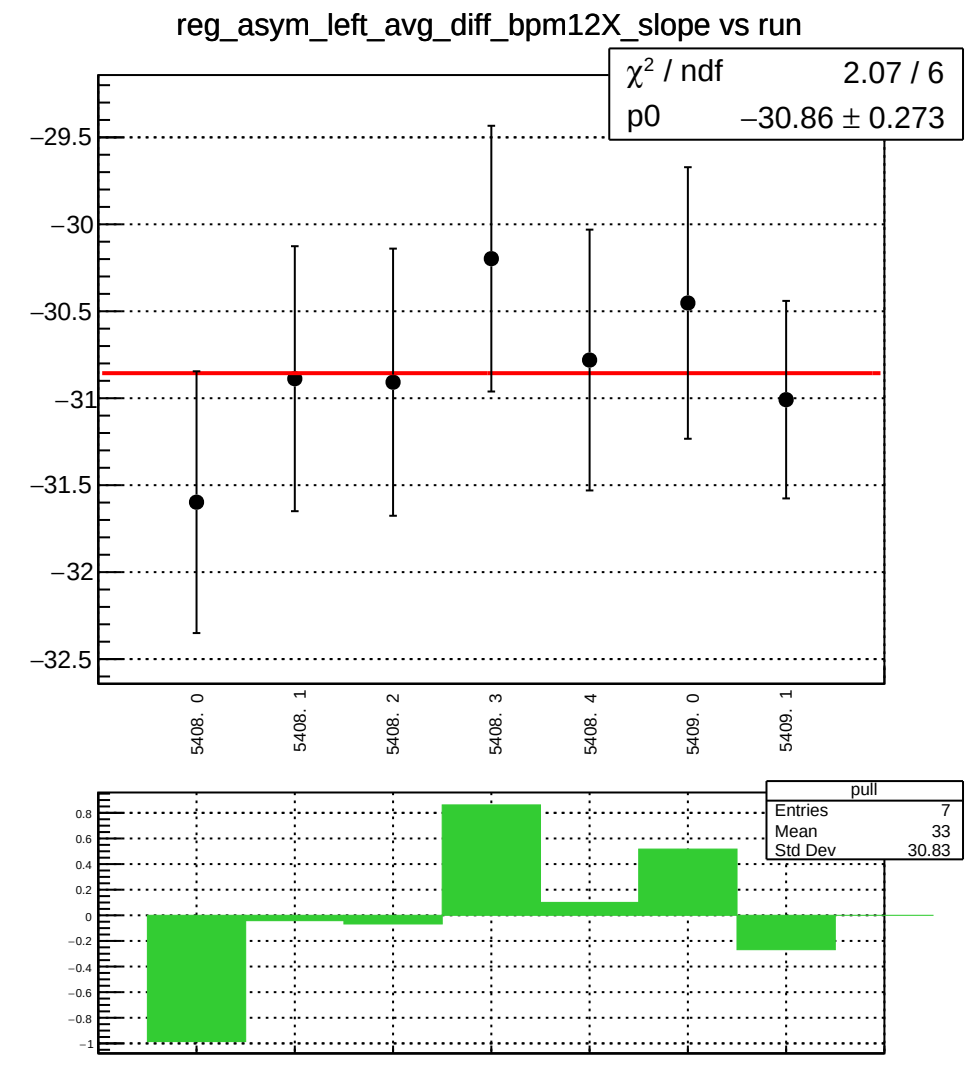

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.067 / 6
p0 17.94 ± 7.854
80
60
40
20
0
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.59
Std Dev 6.377
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.07608
Std Dev 0.8474
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

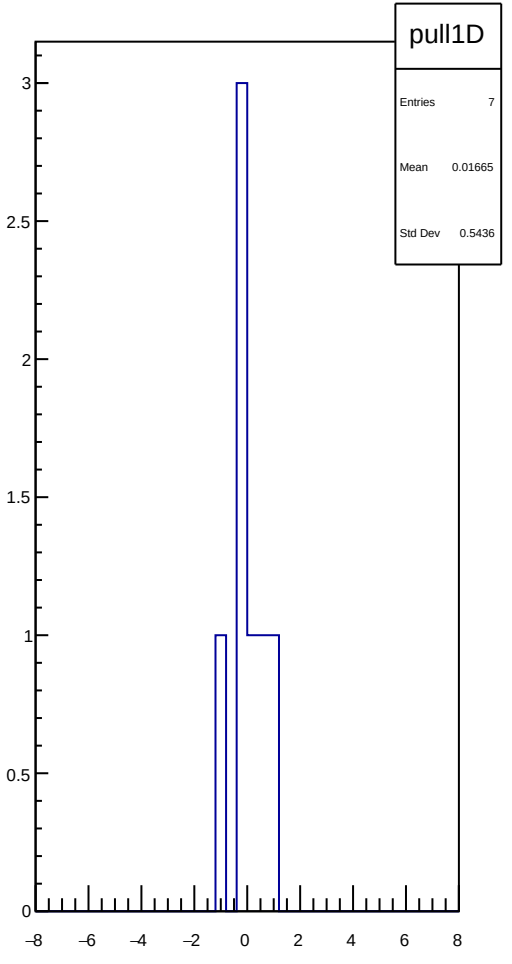

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.09 / 6
p0 −17.24 ± 8.424
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.518
Std Dev 3.41
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

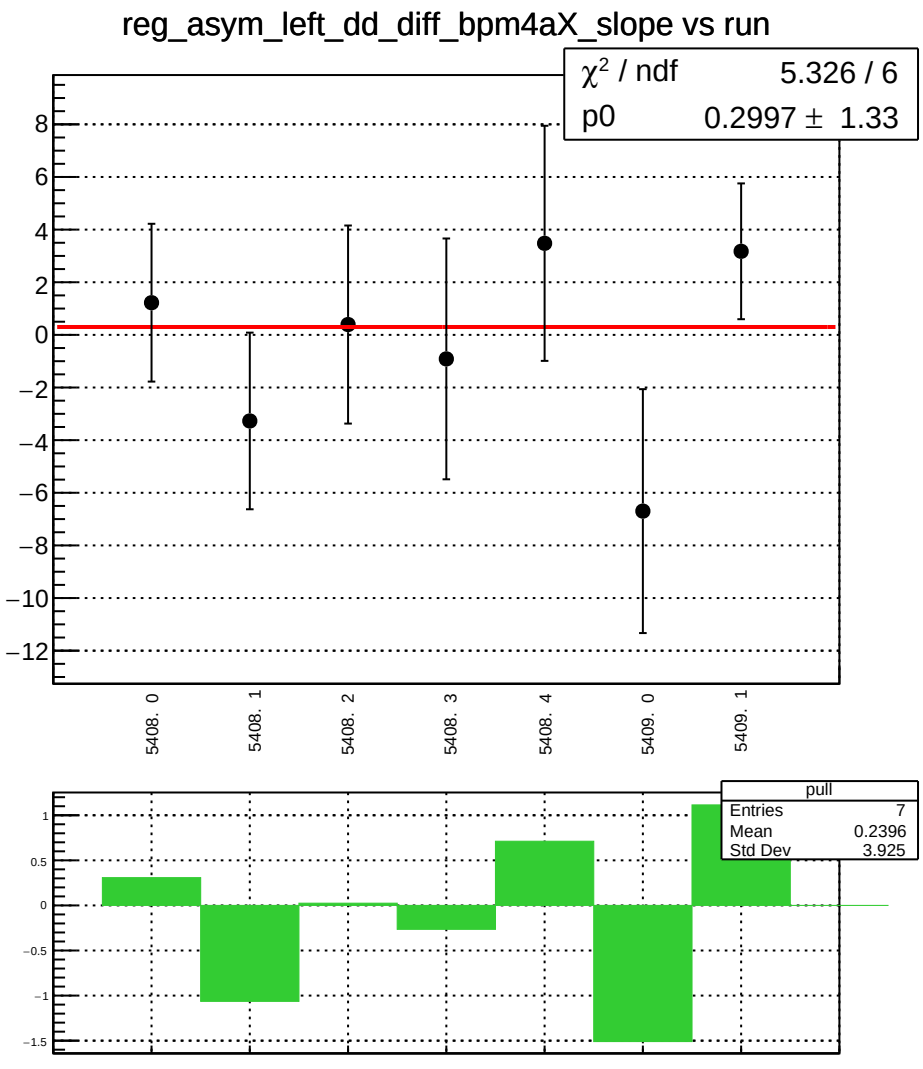

pull1D
Entries 7
Mean −0.09572
Std Dev 0.6575
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

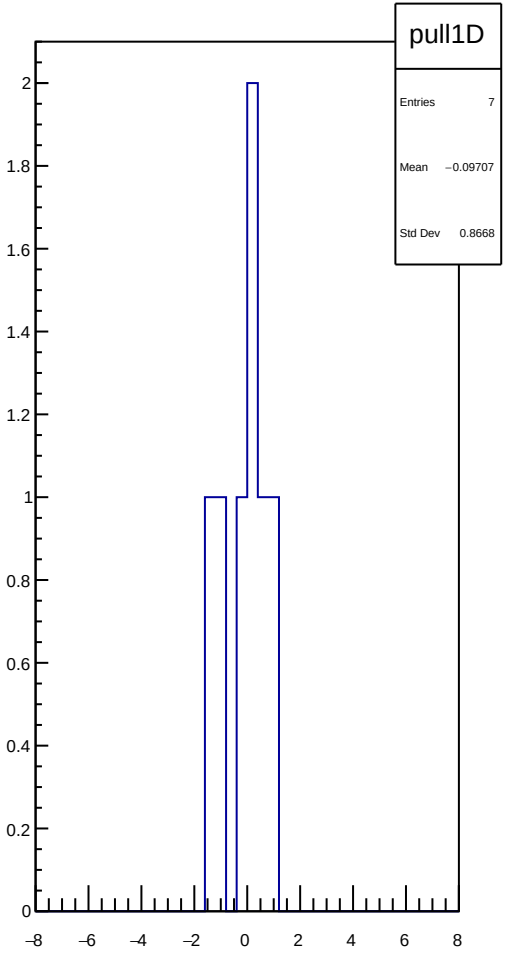

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.461 / 6
p0 −6.082 ± 9.014
40
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.008
Std Dev 6.004
1
0.5
0
−0.5
−1
−1.5

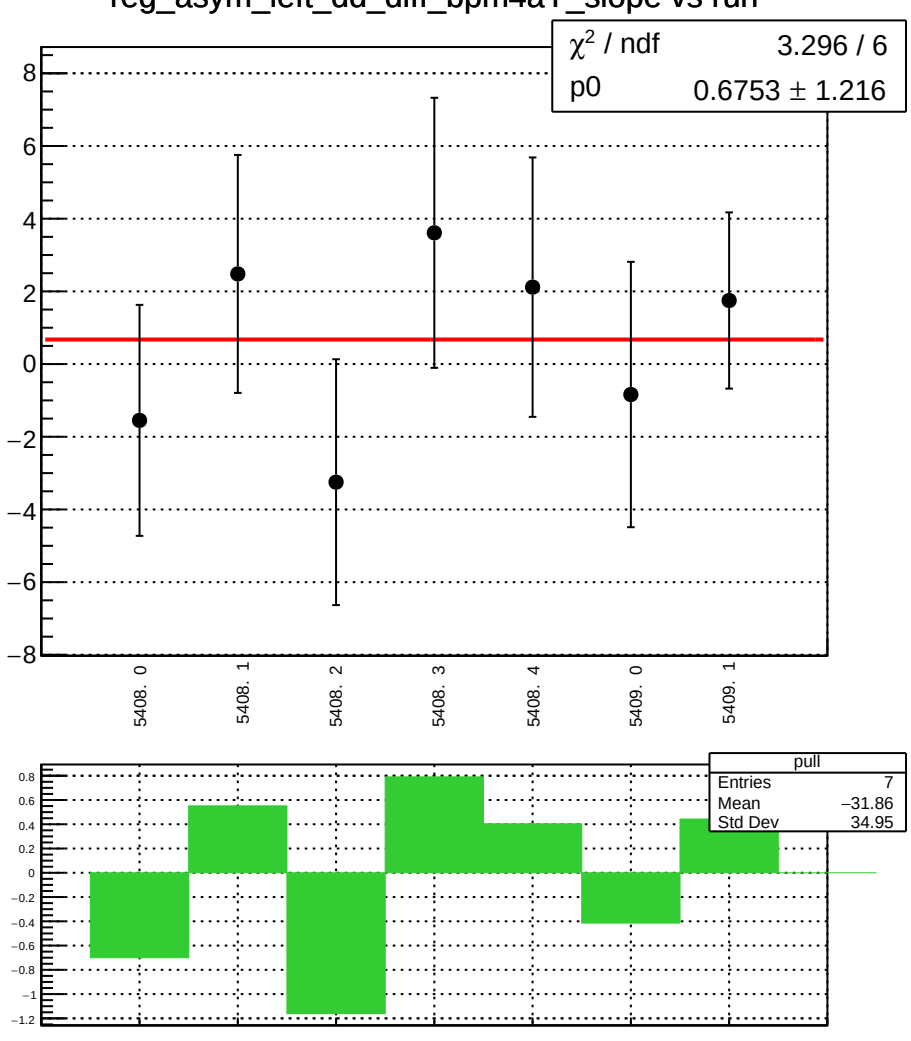

pull1D
Entries 7
Mean −0.07925
Std Dev 0.8797
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

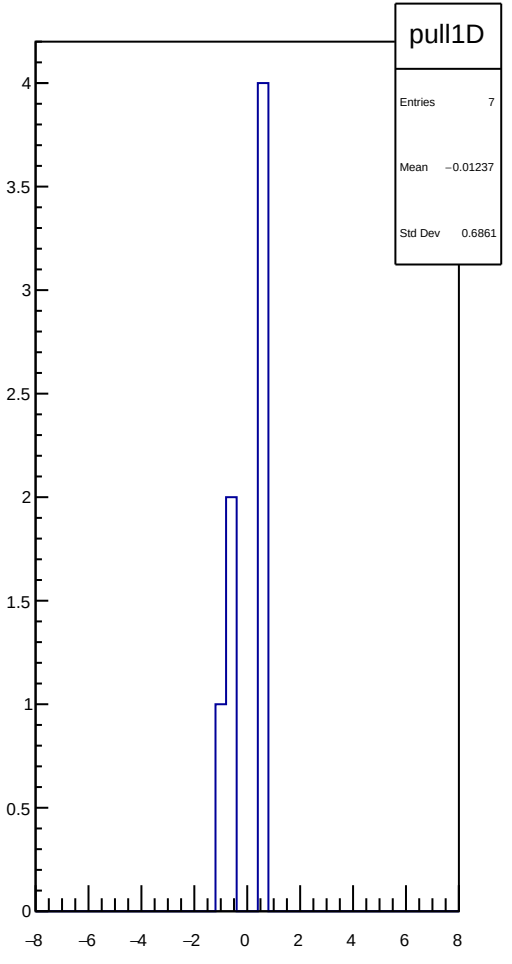

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 2.07 / 6
p0 −30.86 ± 0.273
−29.5
−30
−30.5
−31
−31.5
−32
−32.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 33
Std Dev 30.83
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

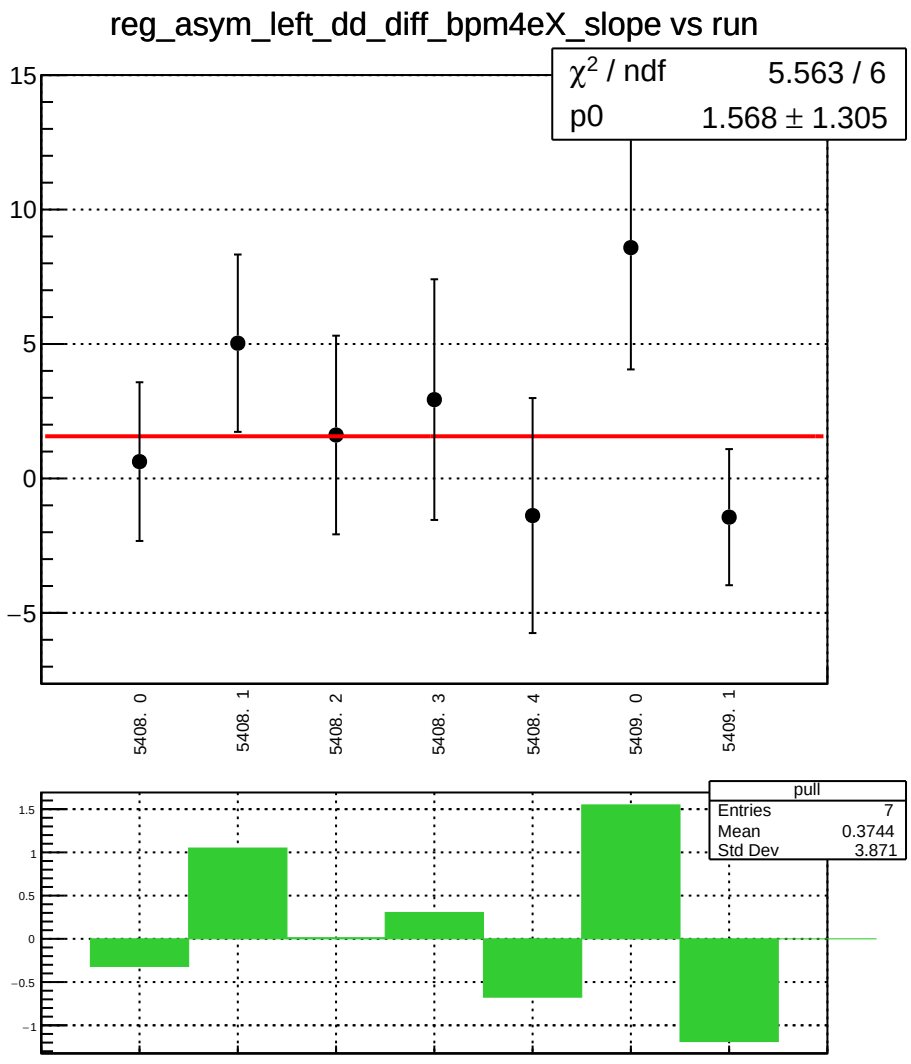

pull1D
Entries 7
Mean 0.01665
Std Dev 0.5436
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

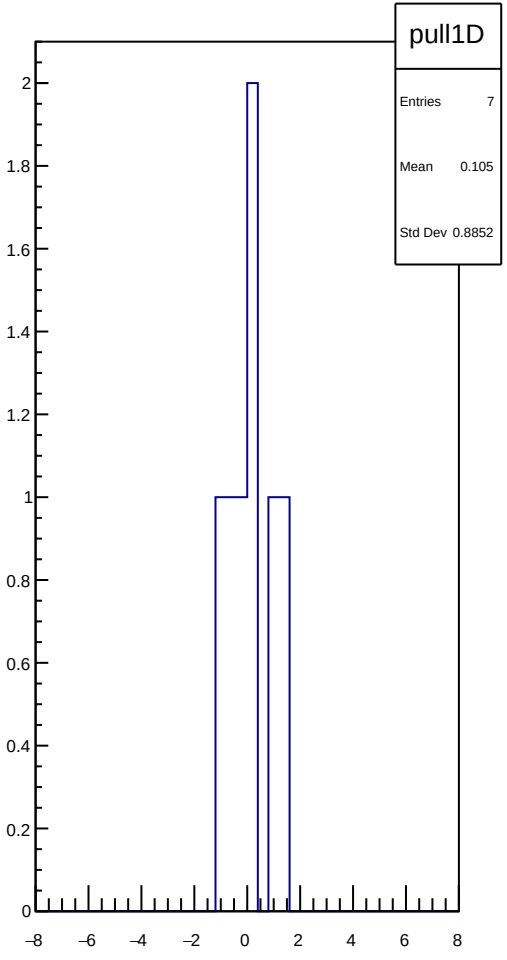

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.326 / 6
p0 0.2997 ± 1.33
8
6
4
2
0
−2
−4
−6
−8
−10
−12
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.2396
Std Dev 3.925
1
0.5
0
−0.5
−1
−1.5

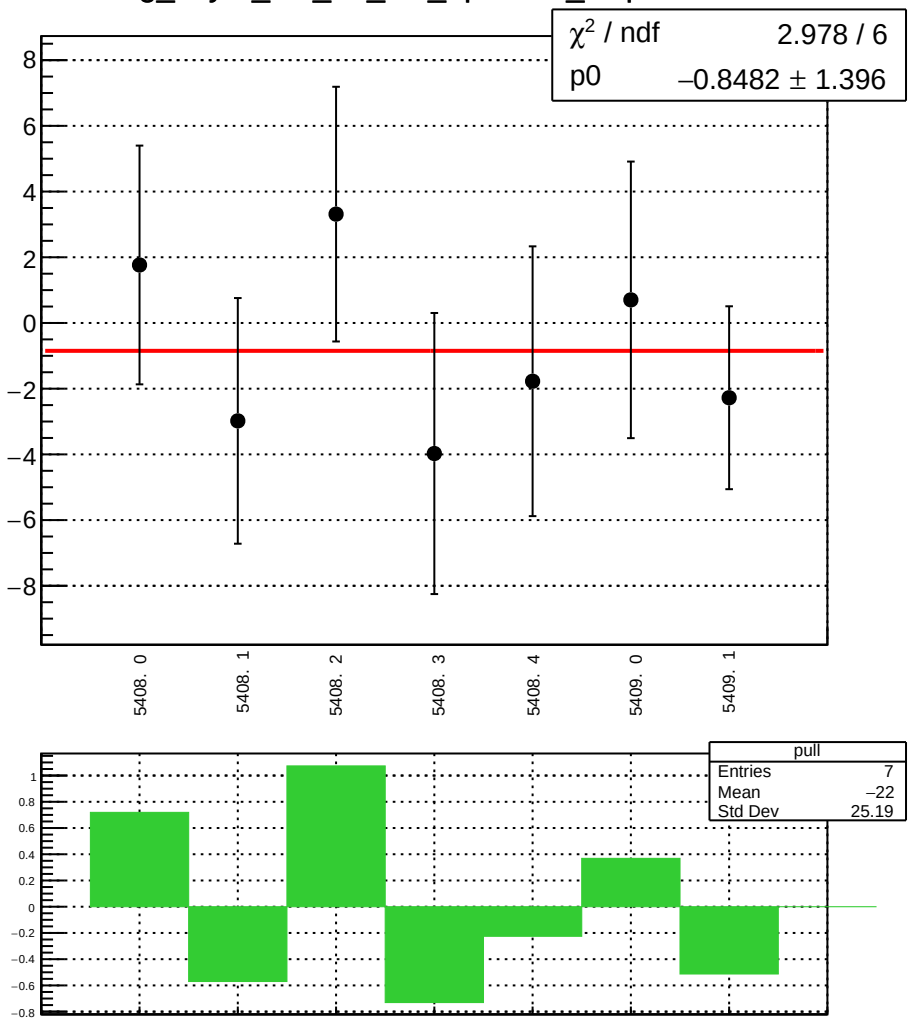

pull1D
Entries 7
Mean −0.09707
Std Dev 0.8668
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

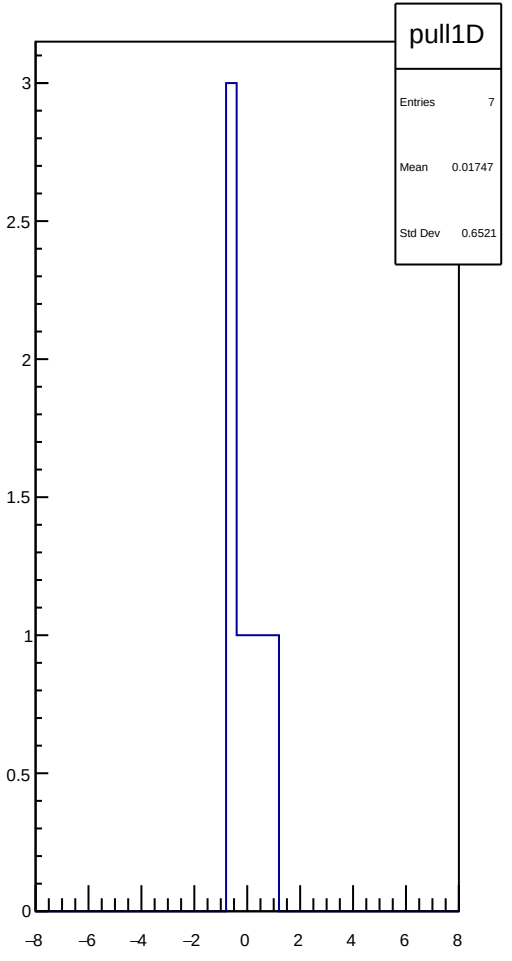

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.296 / 6
p0 0.6753 ± 1.216
8
6
4
2
0
−2
−4
−6
−8
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −31.86
Std Dev 34.95
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

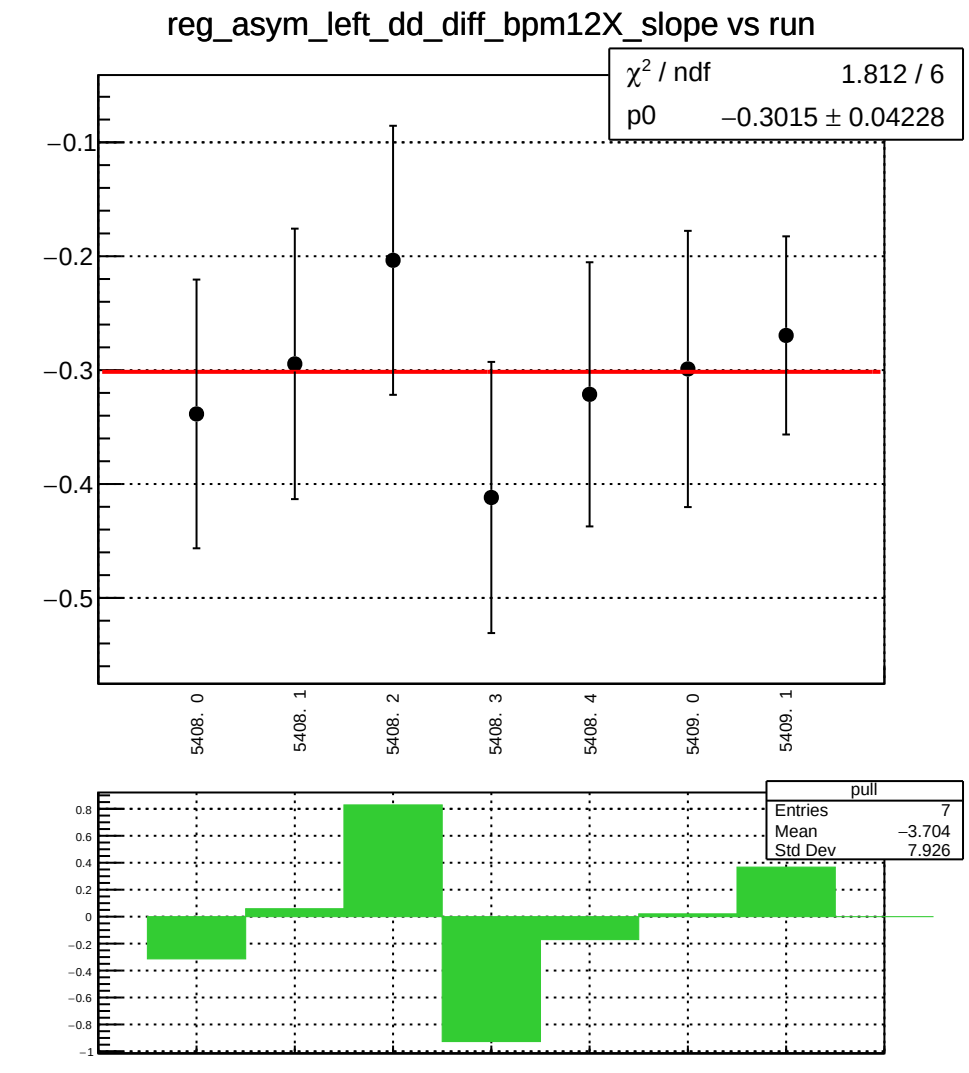

pull1D
Entries 7
Mean −0.01237
Std Dev 0.6861
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

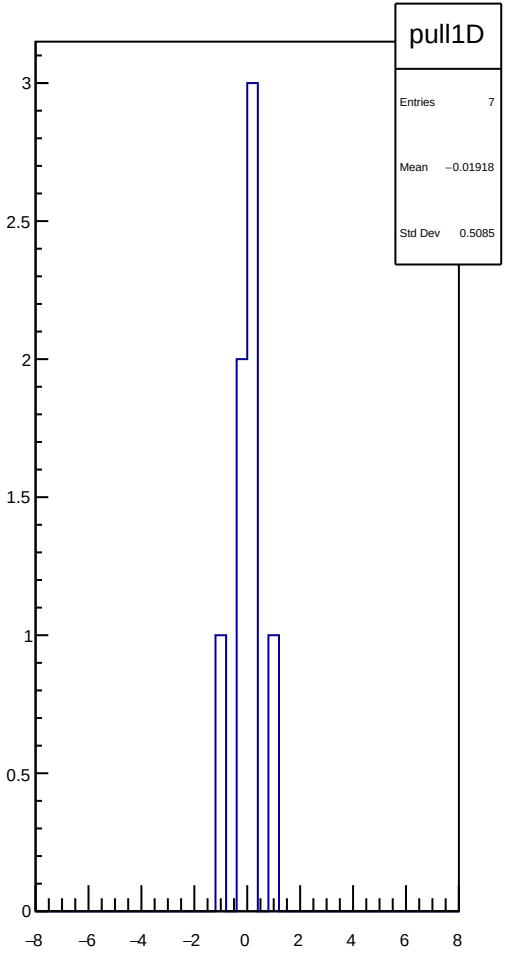

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.563 / 6
p0 1.568 ± 1.305
15
10
5
0
−5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.3744
Std Dev 3.871
1.5
1
0.5
0
−0.5
−1

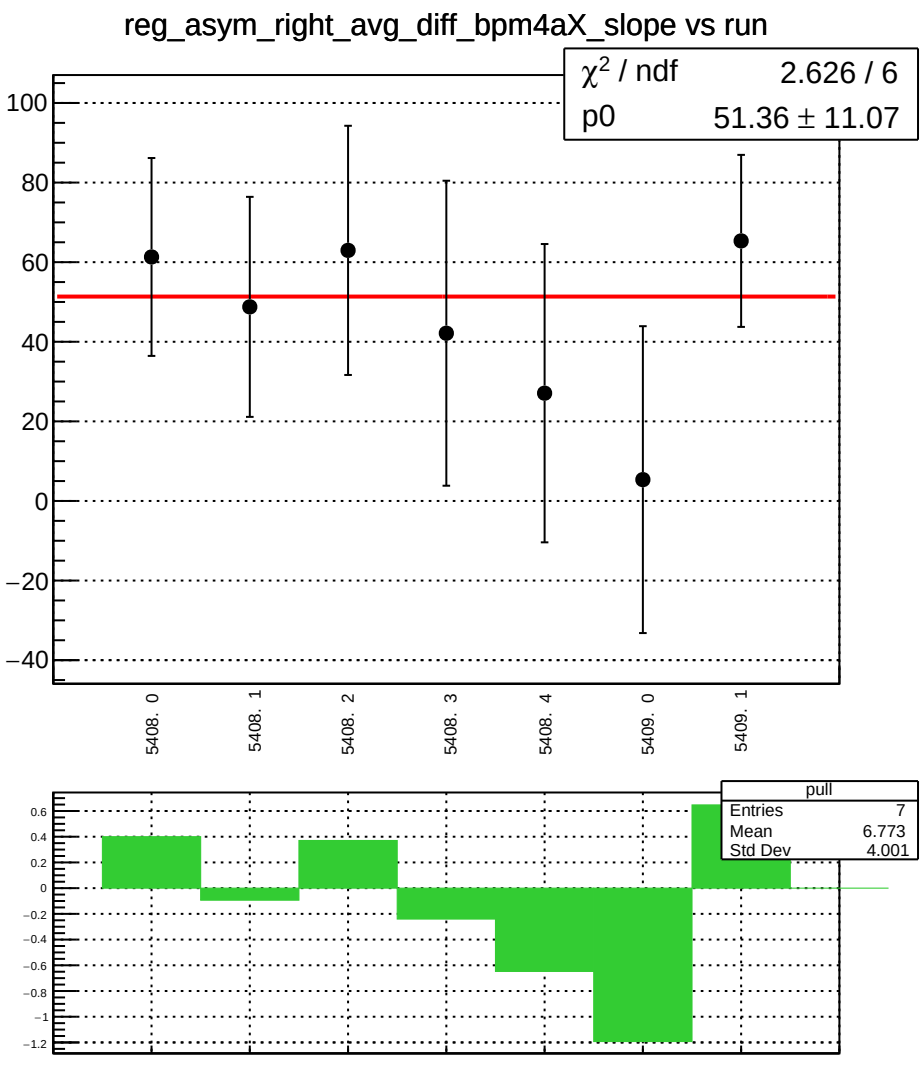

pull1D
Entries 7
Mean 0.105
Std Dev 0.8852
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

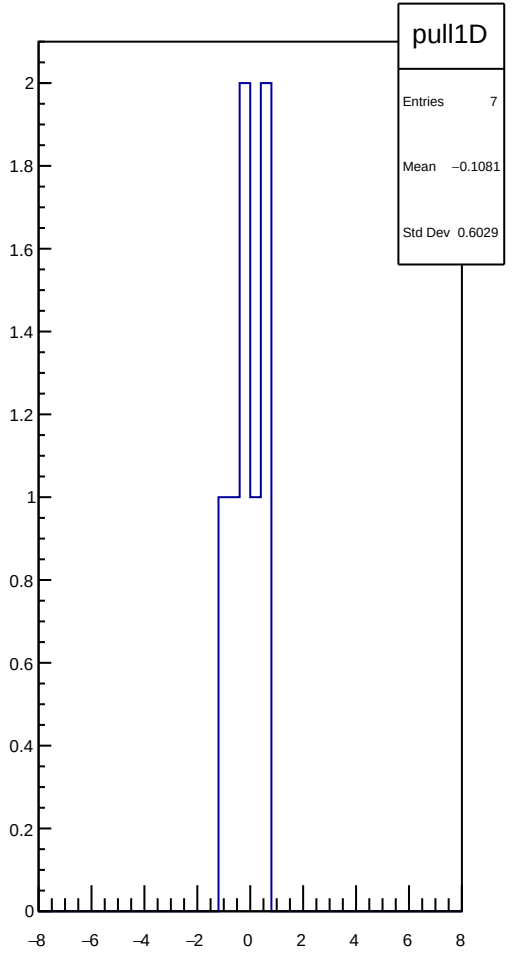

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.978 / 6
p0 −0.8482 ± 1.396
8
6
4
2
0
−2
−4
−6
−8
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −22
Std Dev 25.19
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

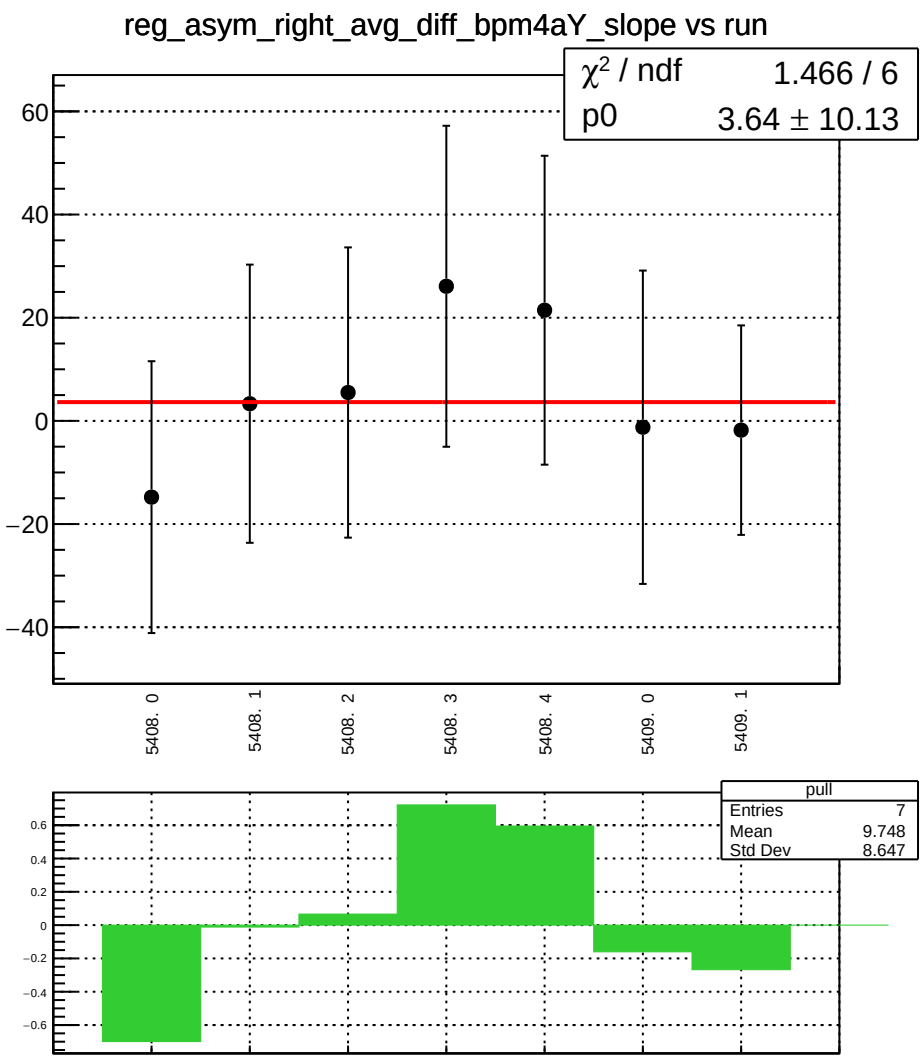

pull1D
Entries 7
Mean 0.01747
Std Dev 0.6521
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

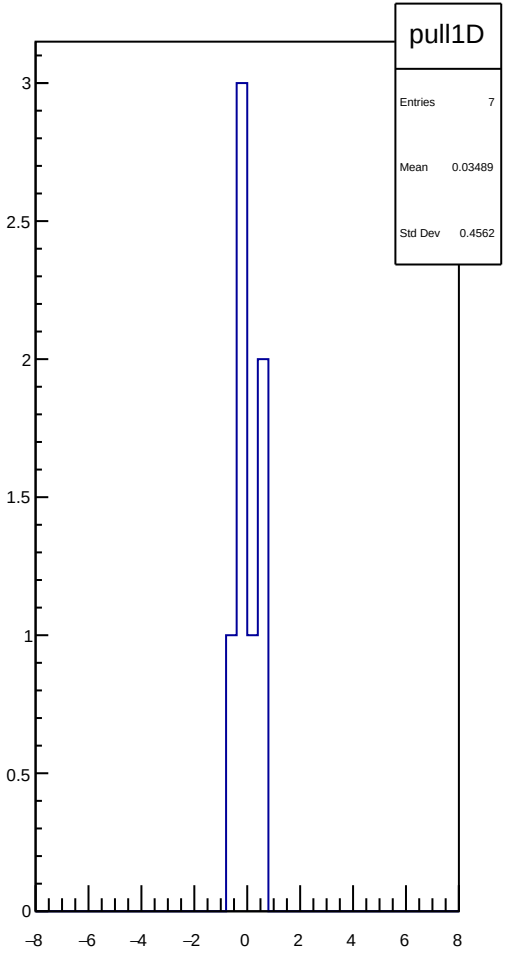

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 1.812 / 6
p0 −0.3015 ± 0.04228
−0.1
−0.2
−0.3
−0.4
−0.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −3.704
Std Dev 7.926
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

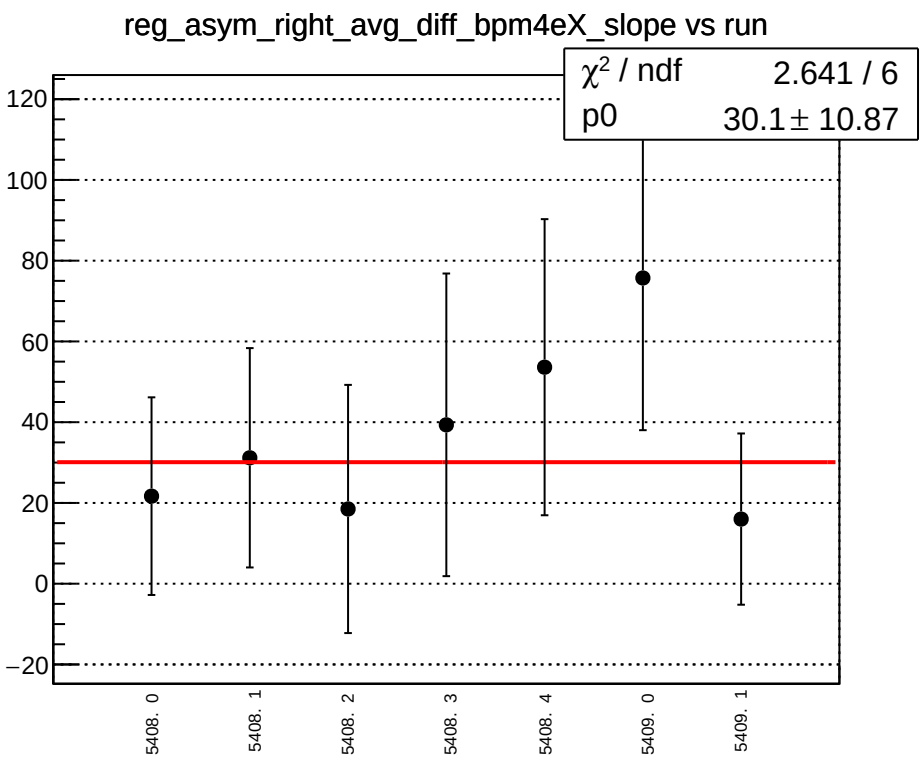

pull1D
Entries 7
Mean −0.01918
Std Dev 0.5085
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

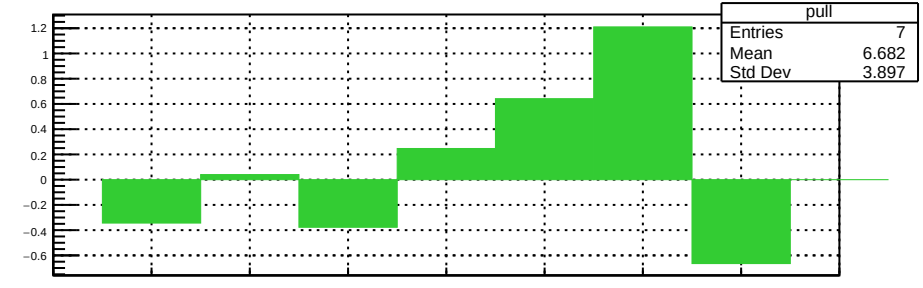

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.626 / 6
p0 51.36 ± 11.07
100
80
60
40
20
0
−20
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.773
Std Dev 4.001
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

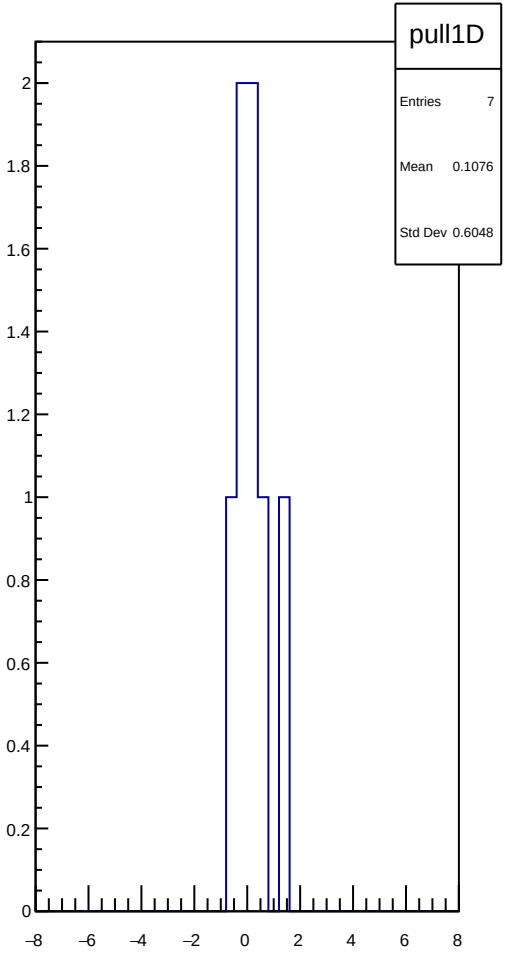

pull1D
Entries 7
Mean −0.1081
Std Dev 0.6029
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

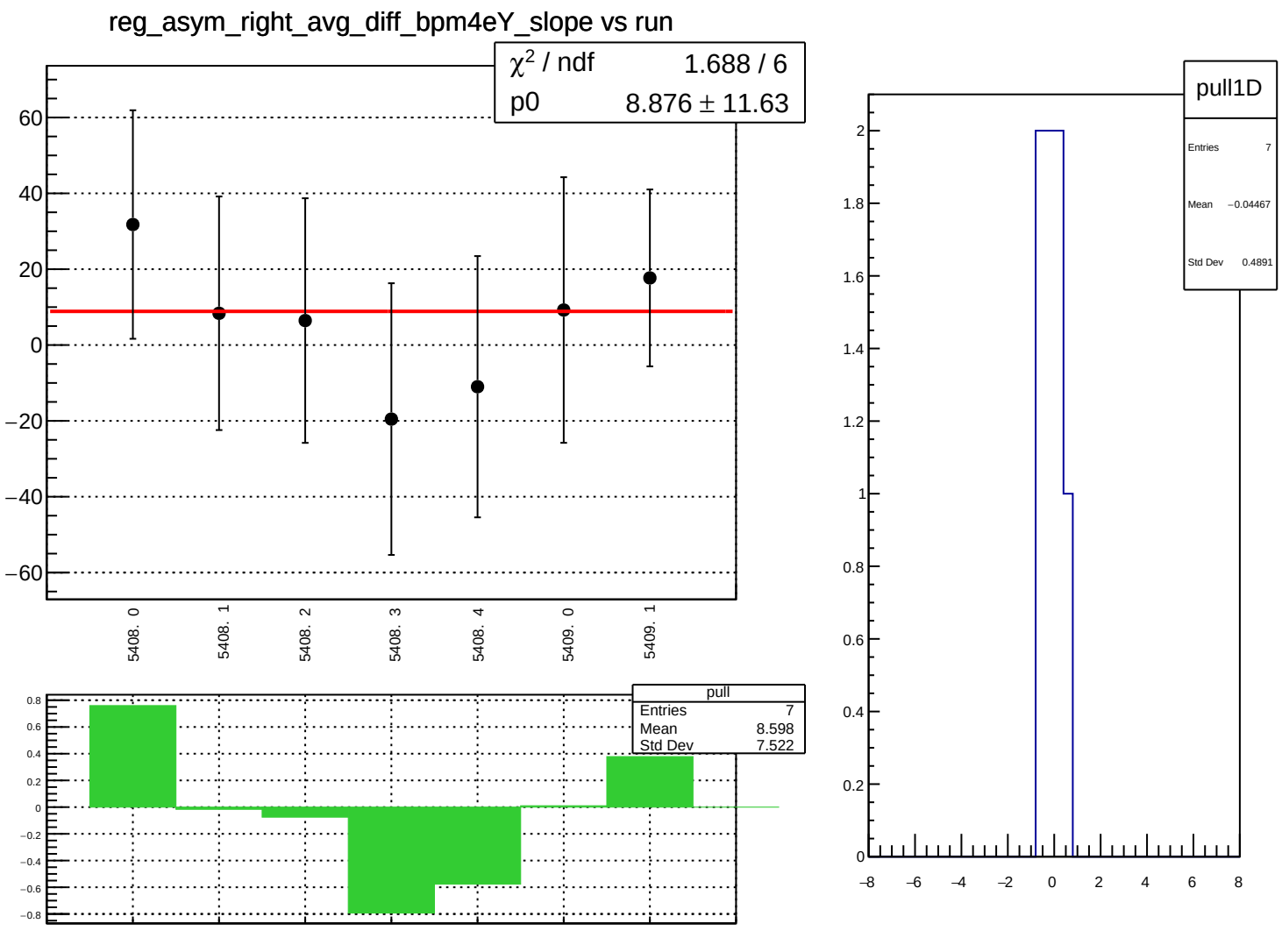

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.466 / 6
p0 3.64 ± 10.13
60
40
20
0
−20
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 9.748
Std Dev 8.647
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

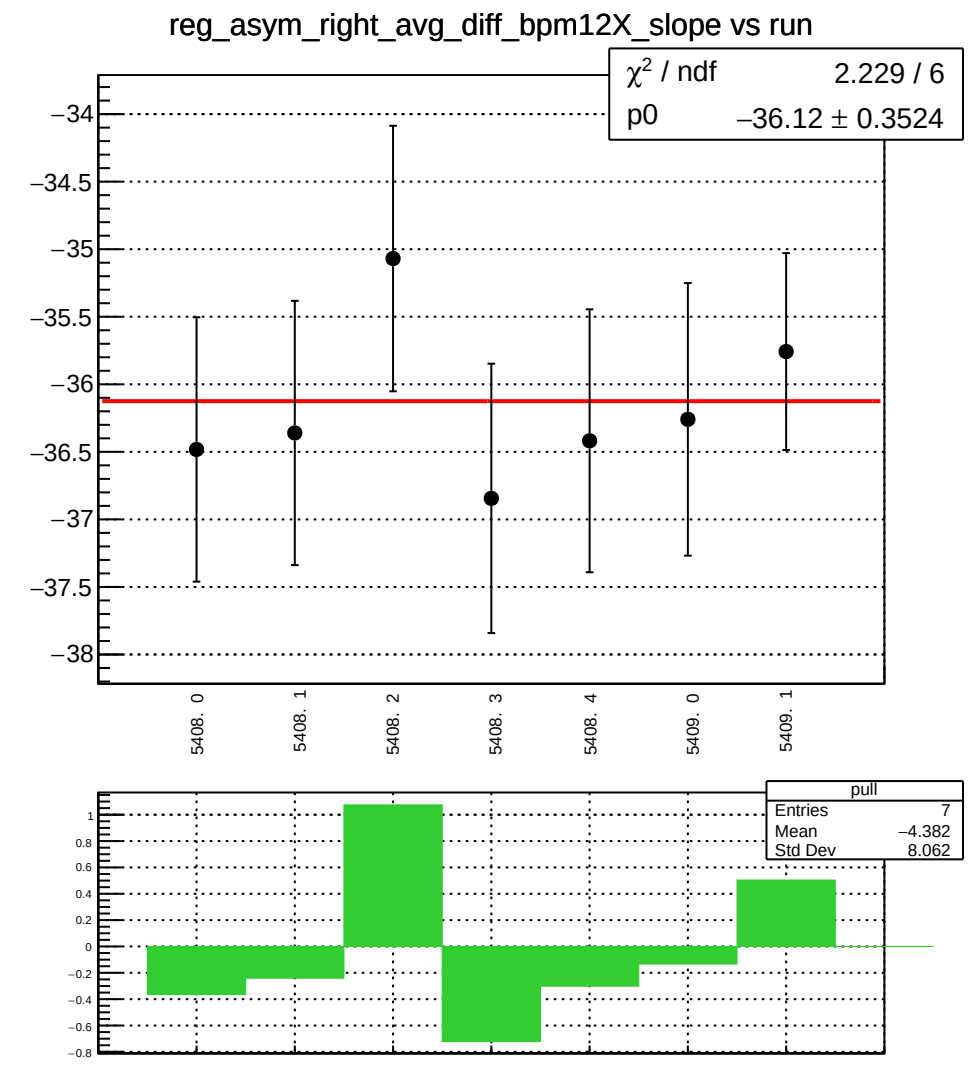

pull1D
Entries 7
Mean 0.03489
Std Dev 0.4562
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

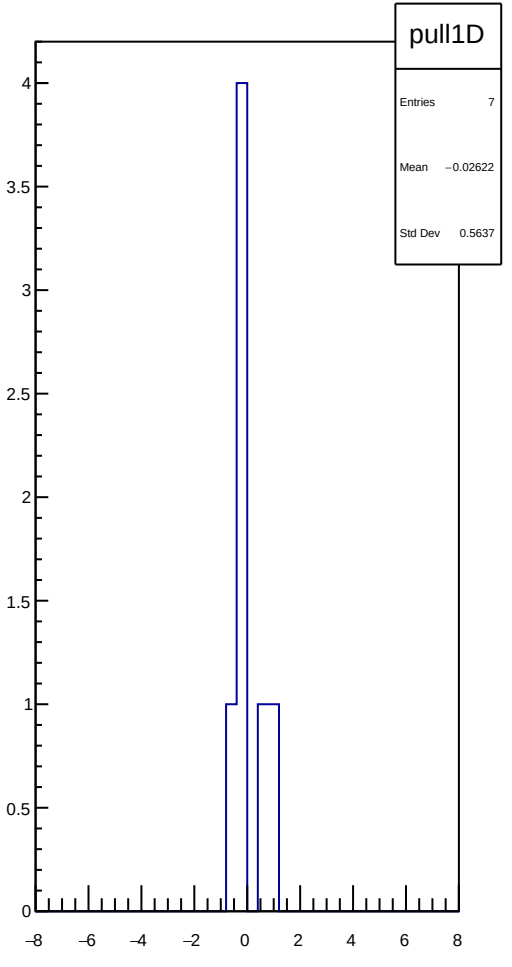

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.641 / 6
p0 30.1 ± 10.87
120
100
80
60
40
20
0
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

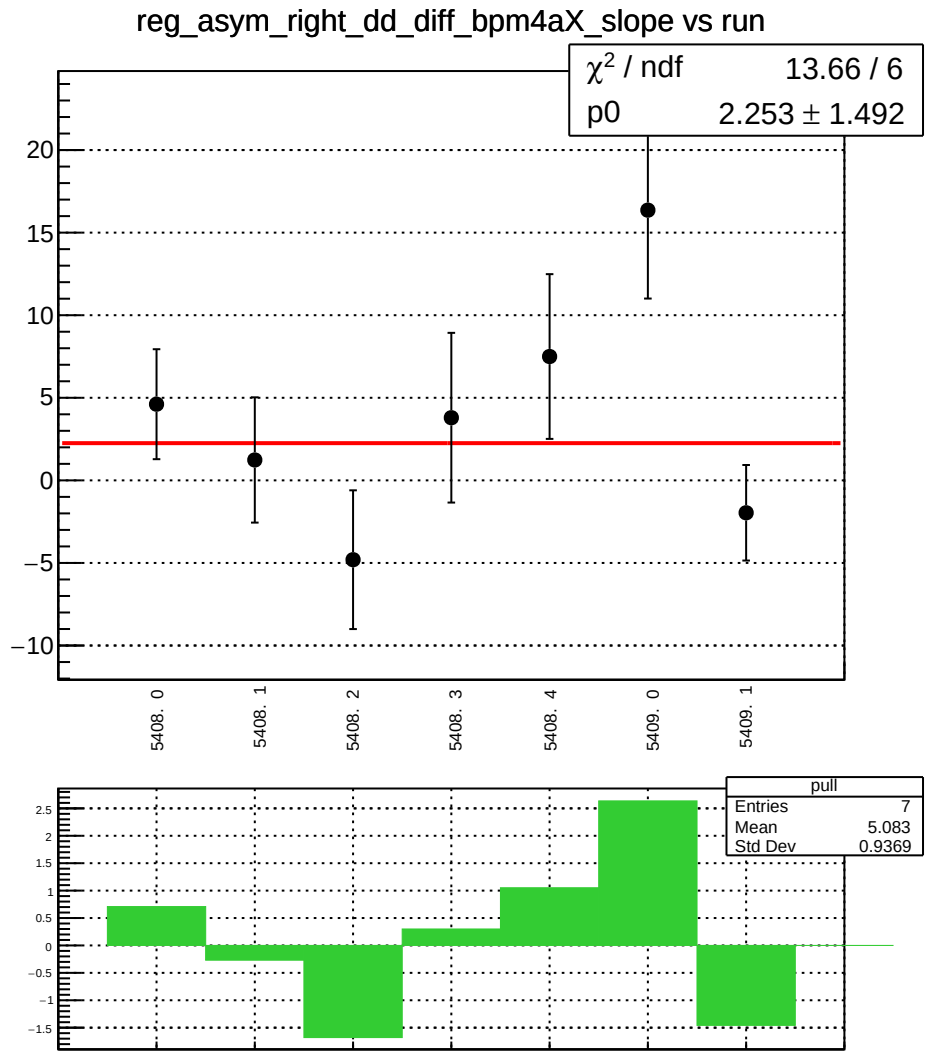

pull
Entries 7
Mean 6.682
Std Dev 3.897
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

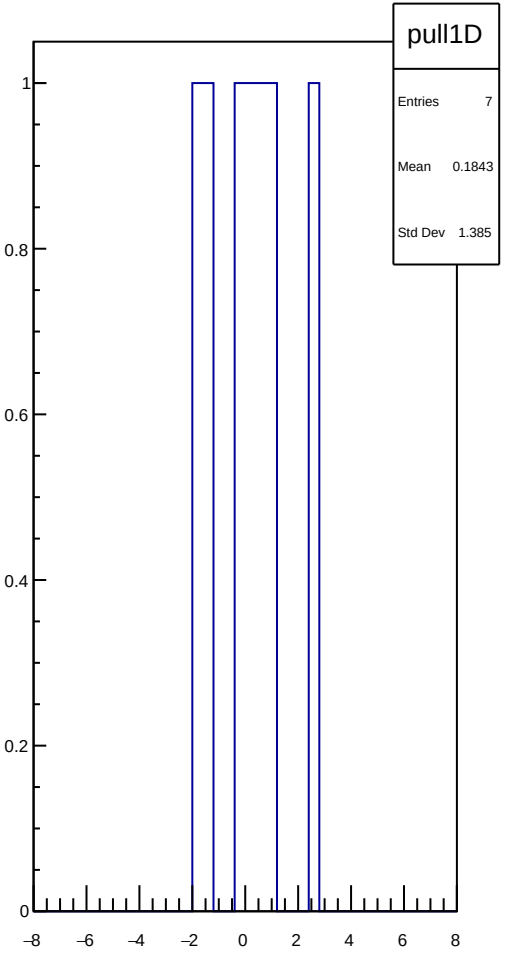

pull1D
Entries 7
Mean 0.1076
Std Dev 0.6048
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

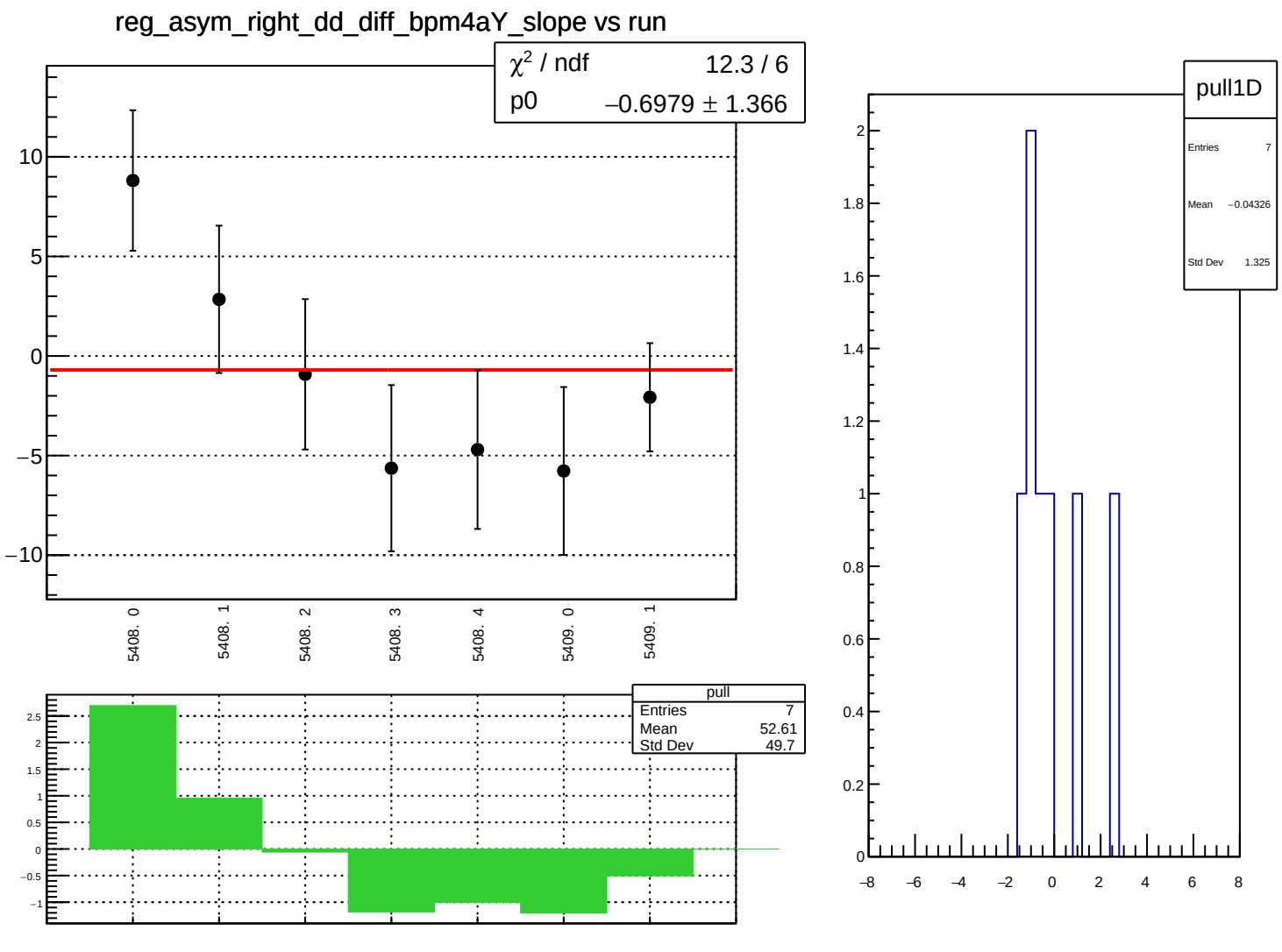

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.688 / 6
p0 8.876 ± 11.63
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.598
Std Dev 7.522
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean −0.04467
Std Dev 0.4891
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

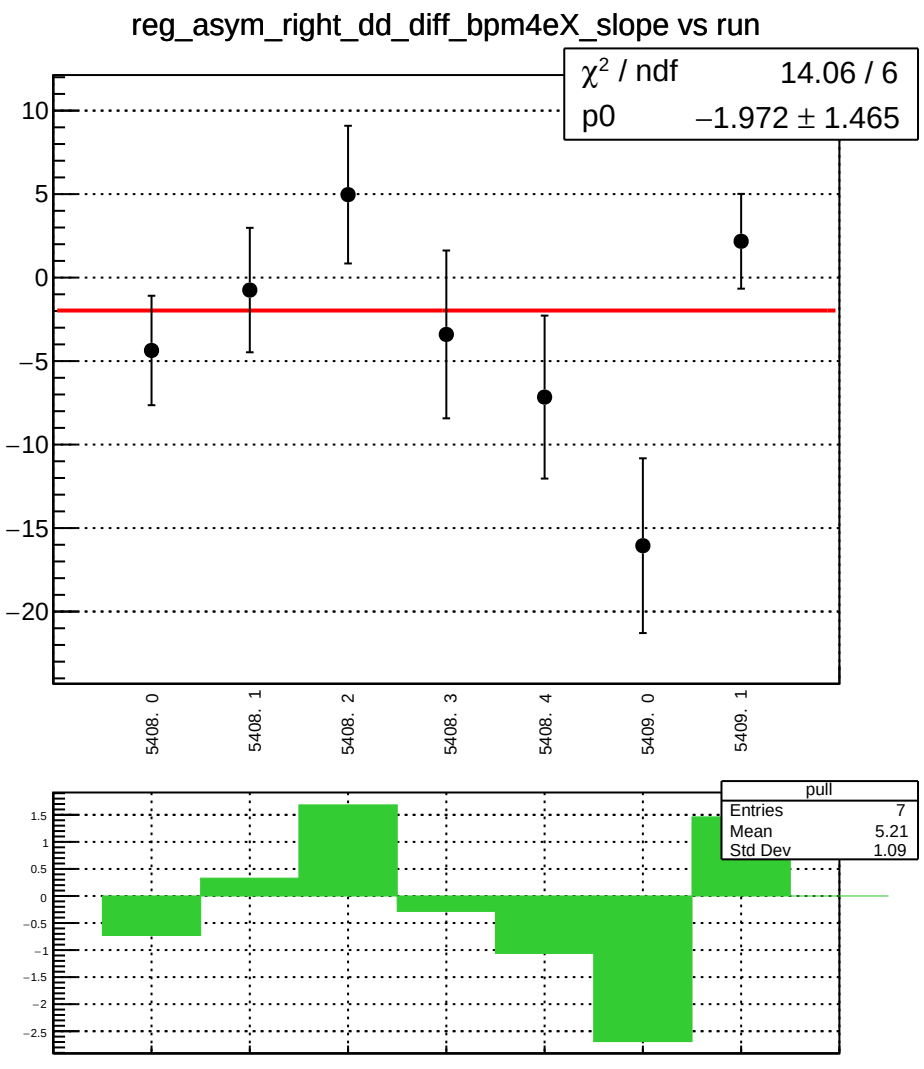

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 2.229 / 6
p0 −36.12 ± 0.3524
−34
−34.5
−35
−35.5
−36
−36.5
−37
−37.5
−38
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −4.382
Std Dev 8.062
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

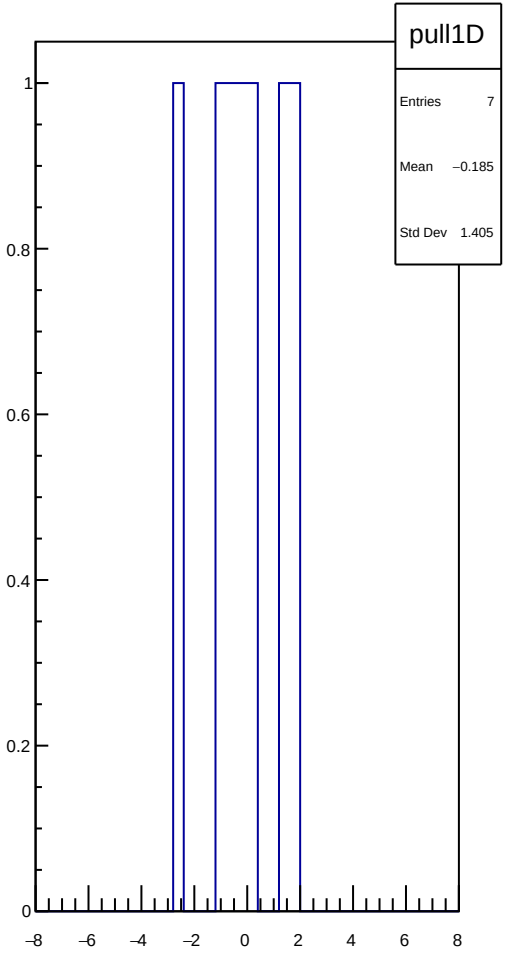

pull1D
Entries 7
Mean −0.02622
Std Dev 0.5637
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

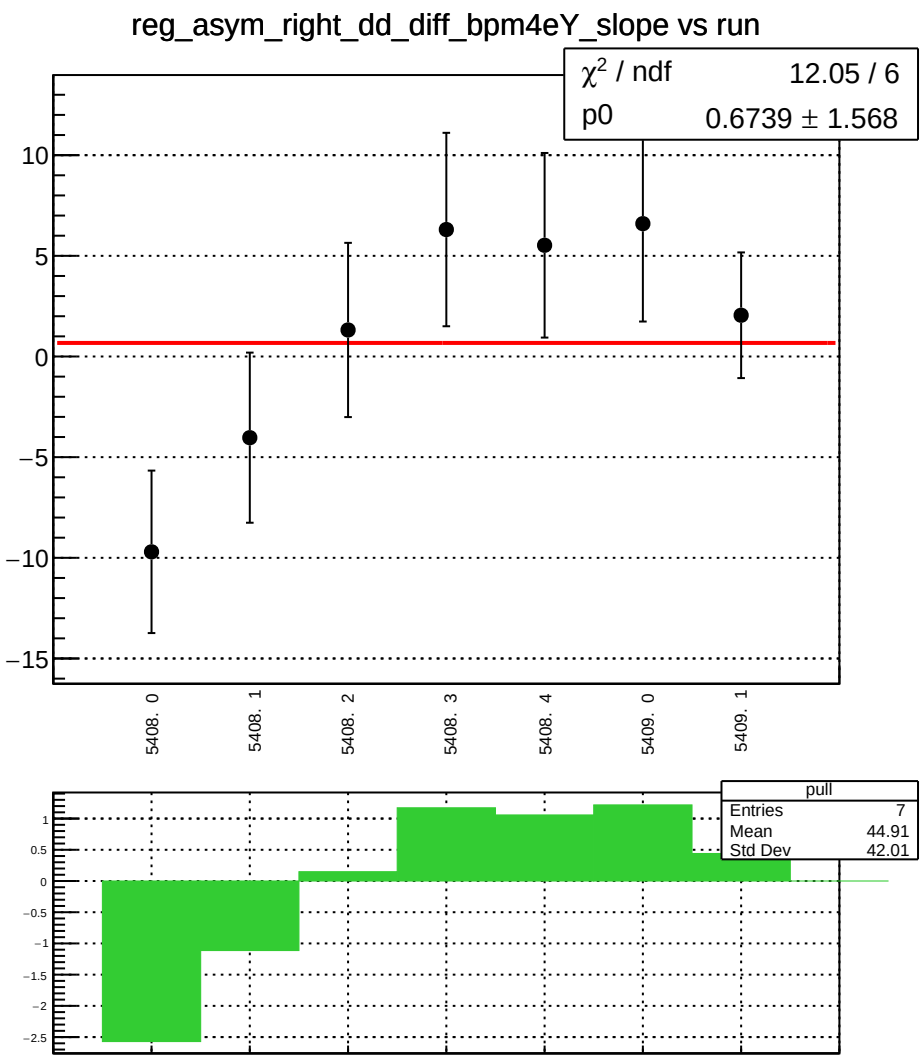

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.66 / 6
p0 2.253 ± 1.492
20
15
10
5
0
−5
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.083
Std Dev 0.9369
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

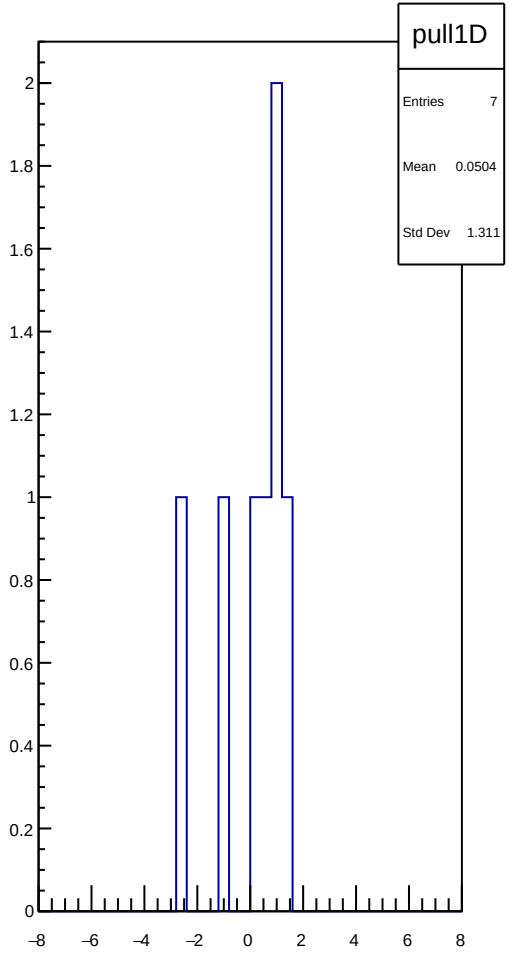

pull1D
Entries 7
Mean 0.1843
Std Dev 1.385
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

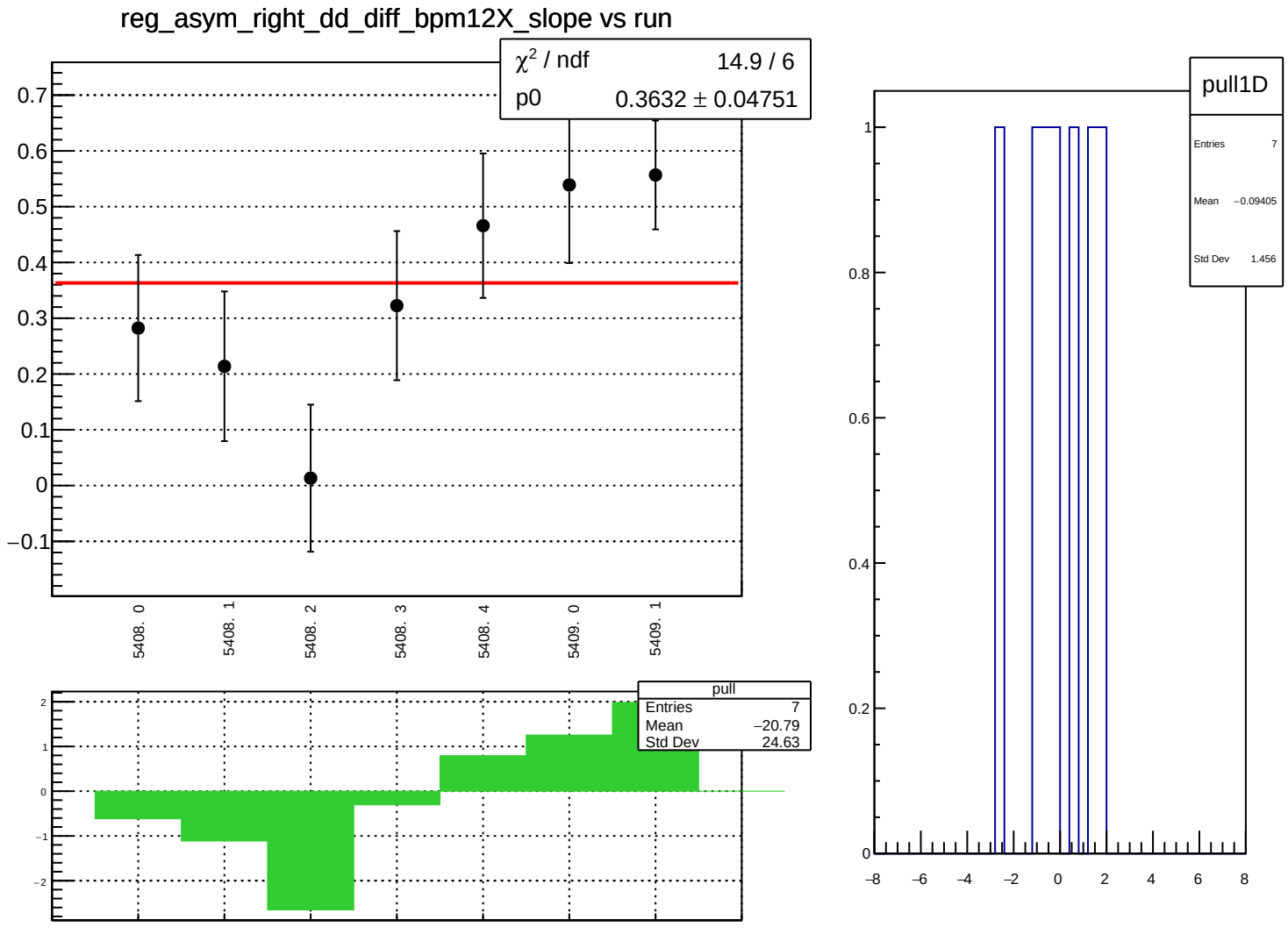

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.3 / 6
p0 −0.6979 ± 1.366
10
5
0
−5
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 52.61
Std Dev 49.7
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean −0.04326
Std Dev 1.325
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

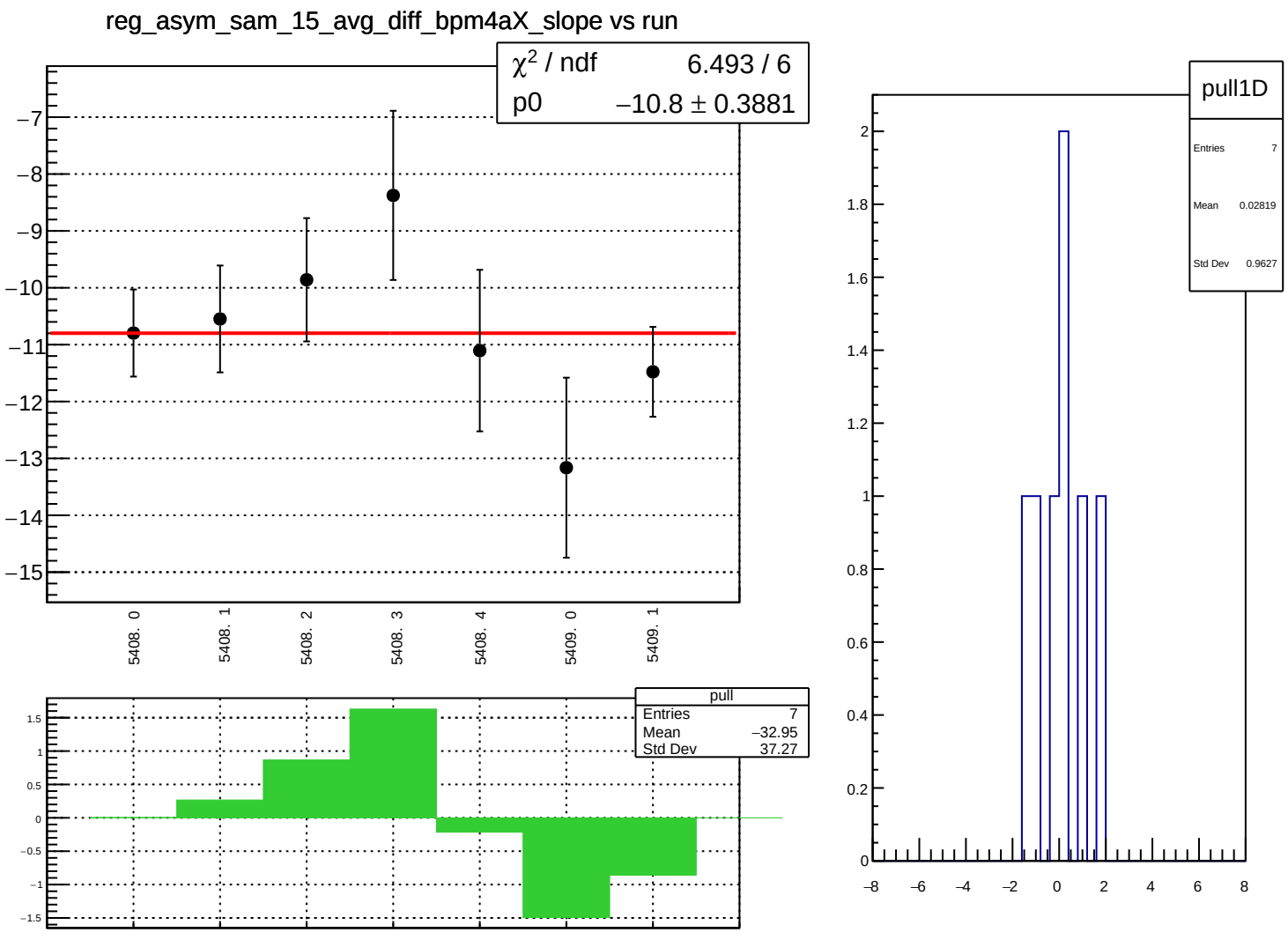

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.06 / 6
p0 −1.972 ± 1.465
10
5
0
−5
−10
−15
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.21
Std Dev 1.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

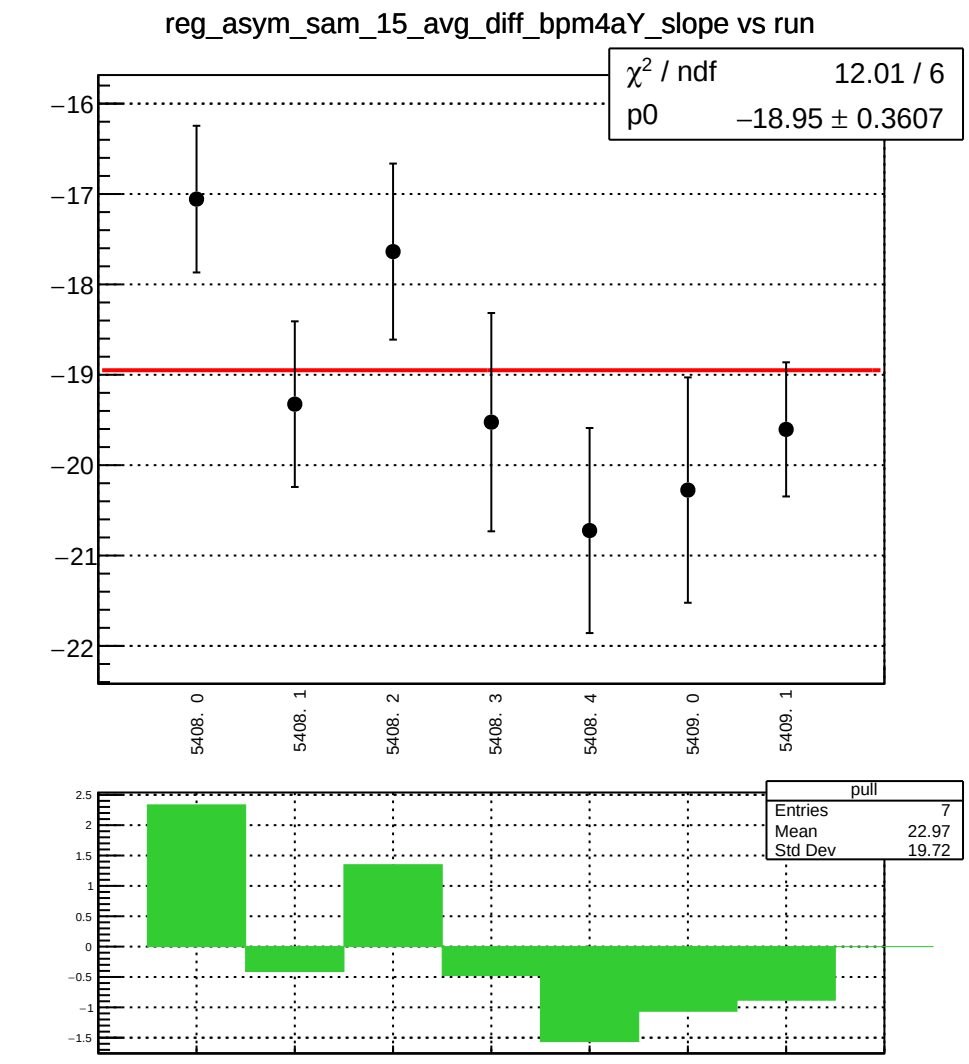

pull1D
Entries 7
Mean −0.185
Std Dev 1.405
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

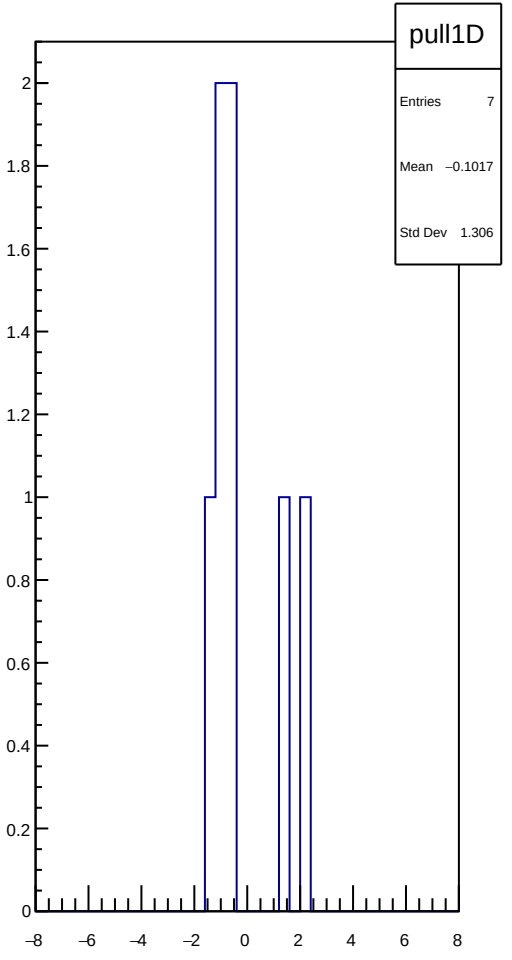

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.05 / 6
p0 0.6739 ± 1.568
10
5
0
−5
−10
−15
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 44.91
Std Dev 42.01
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

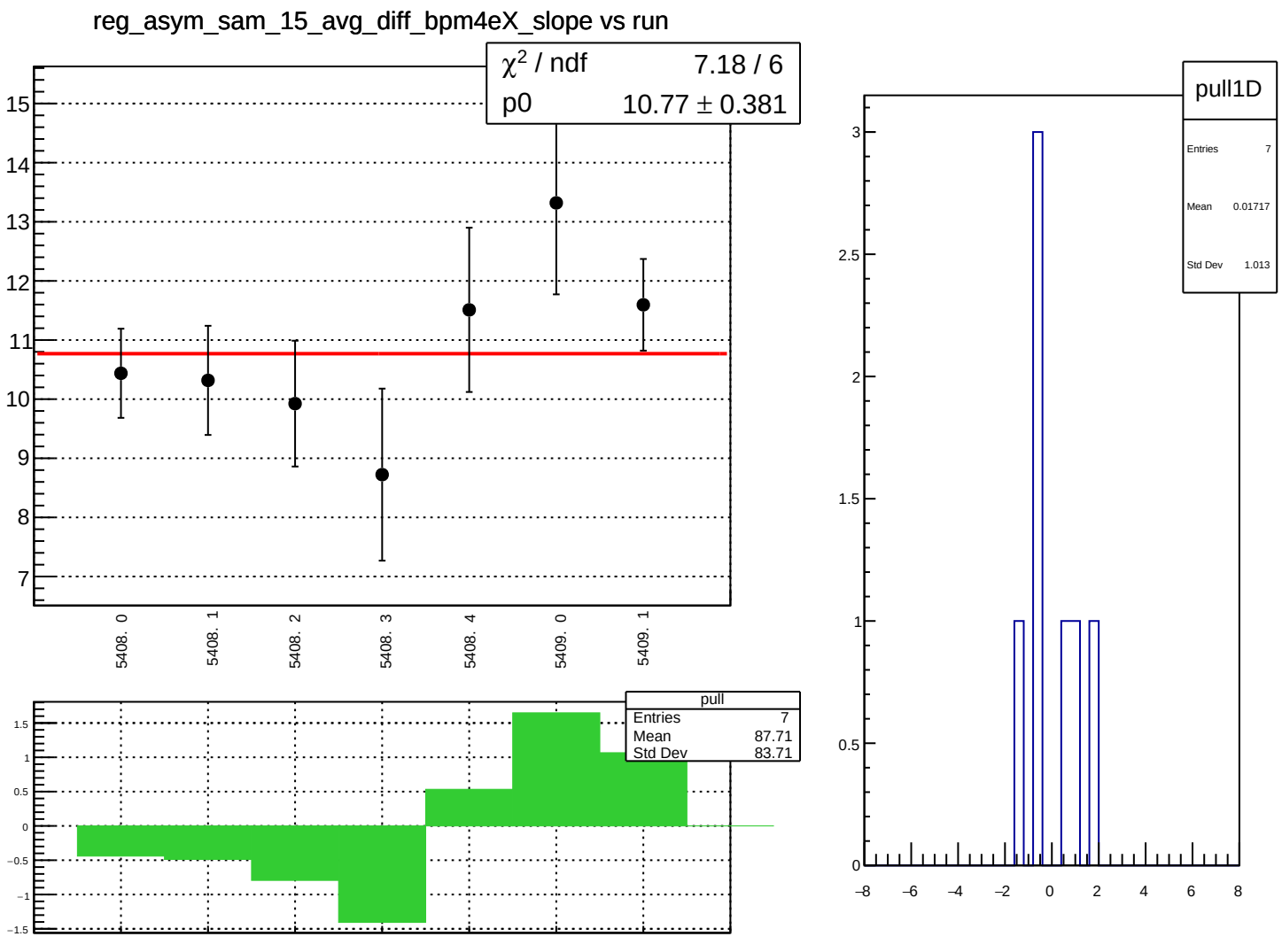

pull1D
Entries 7
Mean 0.0504
Std Dev 1.311
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

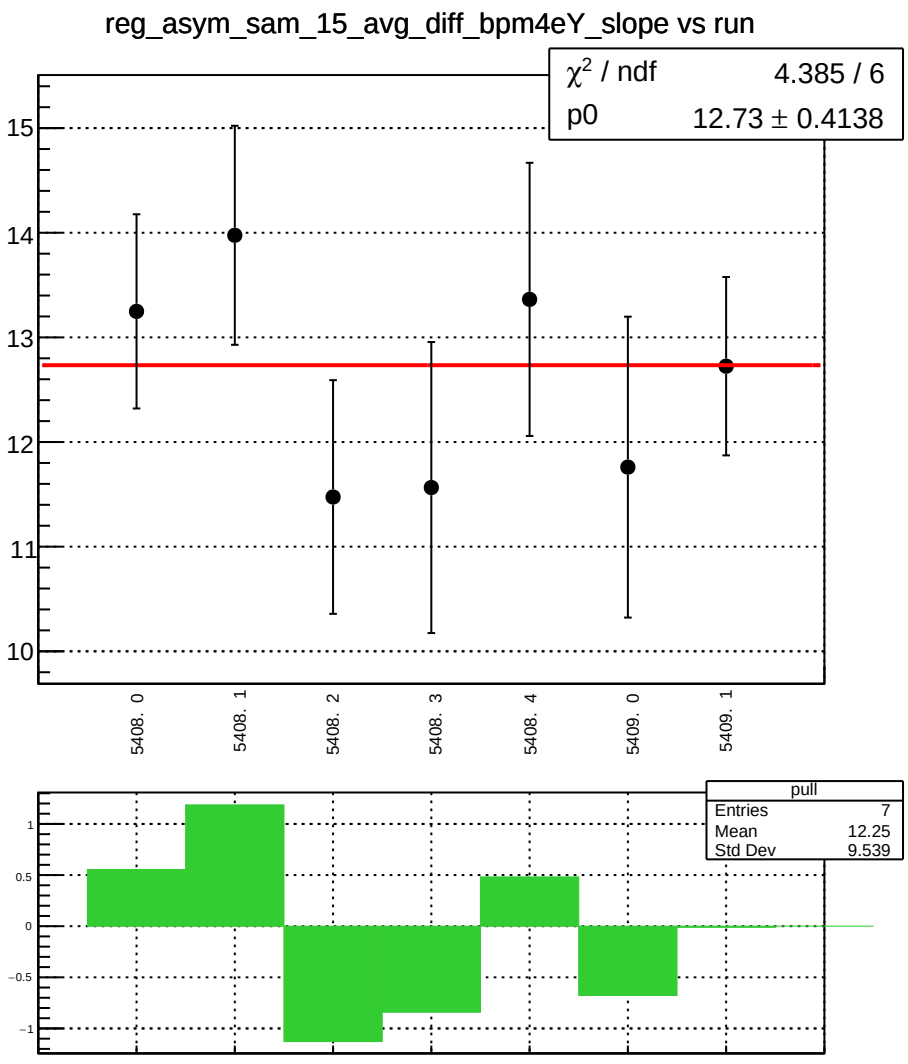

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 14.9 / 6
p0 0.3632 ± 0.04751
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −20.79
Std Dev 24.63
2
1
0
−1
−2
pull1D
Entries 7
Mean −0.09405
Std Dev 1.456
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

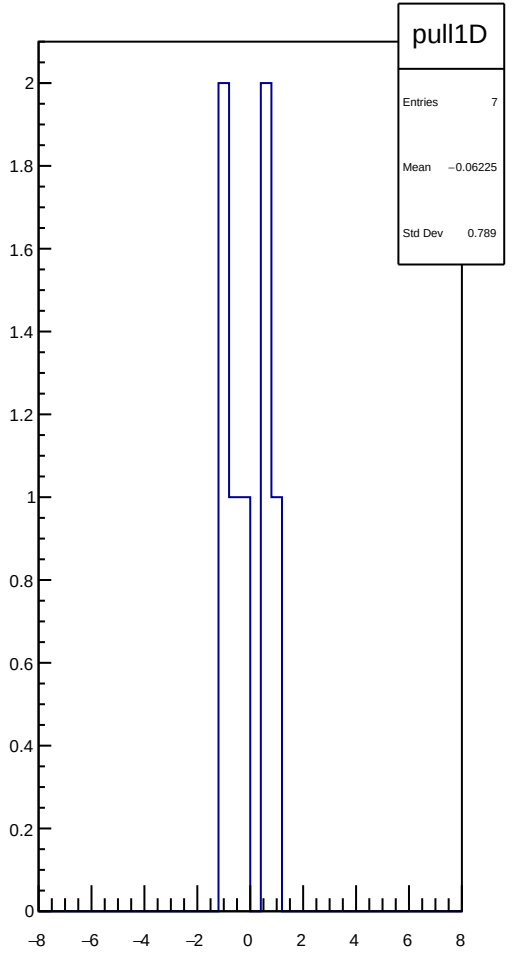

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.493 / 6
p0 −10.8 ± 0.3881
−7
−8
−9
−10
−11
−12
−13
−14
−15
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −32.95
Std Dev 37.27
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean 0.02819
Std Dev 0.9627
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

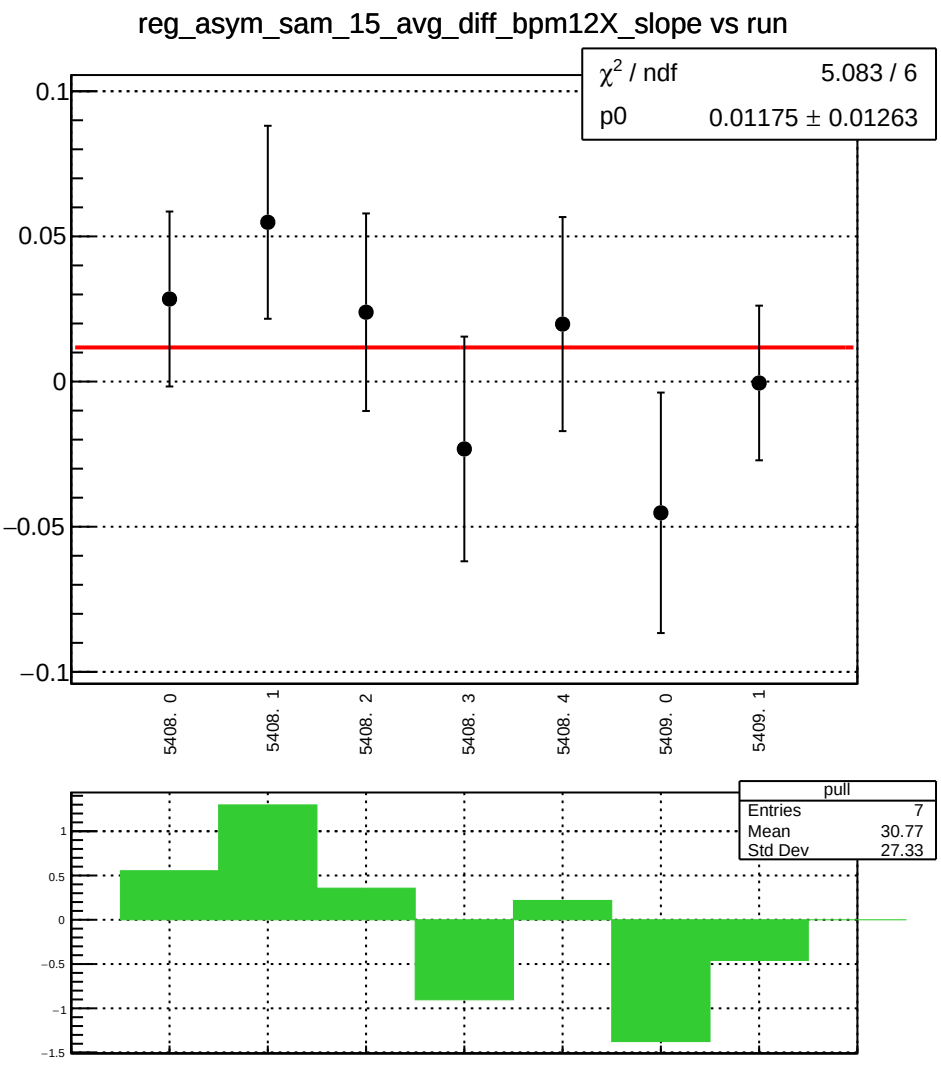

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.01 / 6
p0 −18.95 ± 0.3607
−16
−17
−18
−19
−20
−21
−22
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 22.97
Std Dev 19.72
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

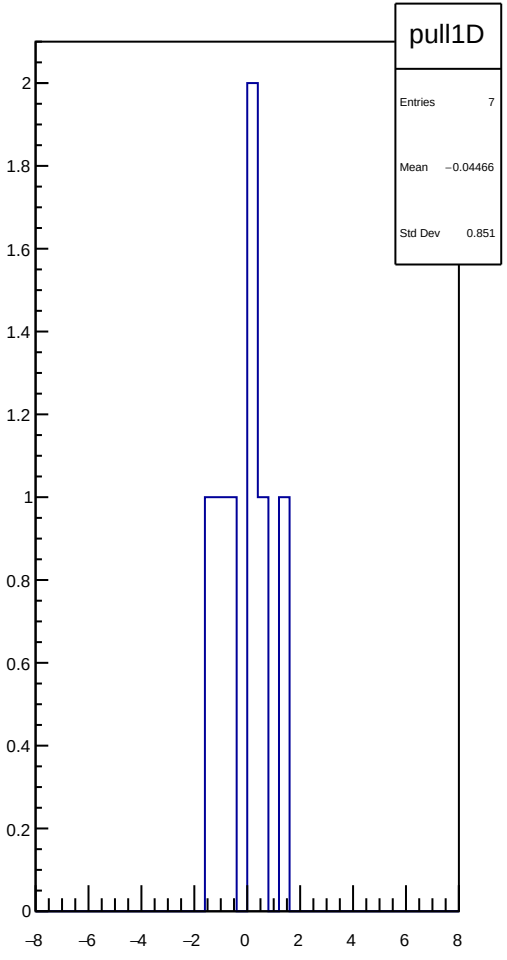

pull1D
Entries 7
Mean −0.1017
Std Dev 1.306
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

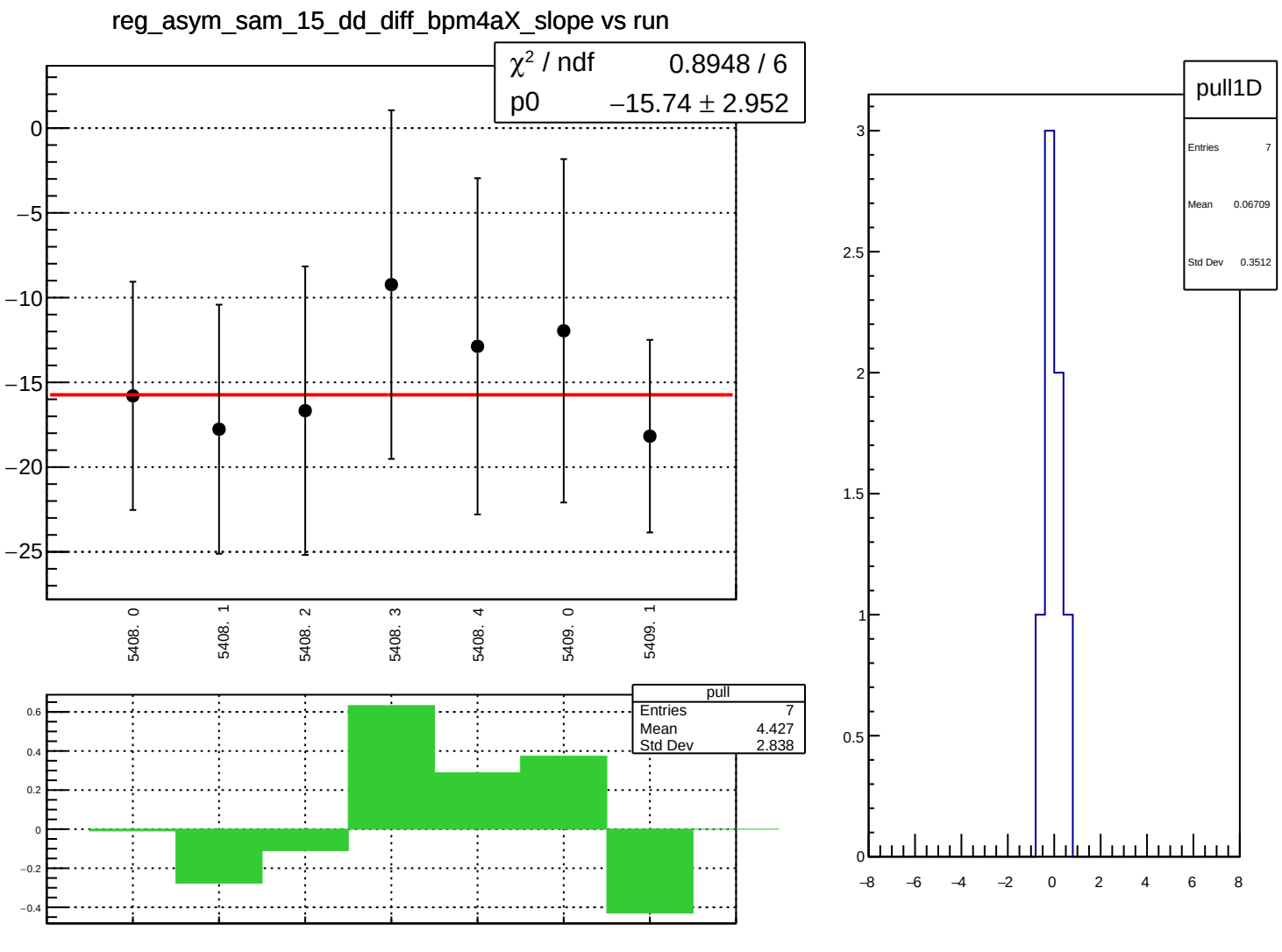

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.18 / 6
p0 10.77 ± 0.381
15
14
13
12
11
10
9
8
7
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 87.71
Std Dev 83.71
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean 0.01717
Std Dev 1.013
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

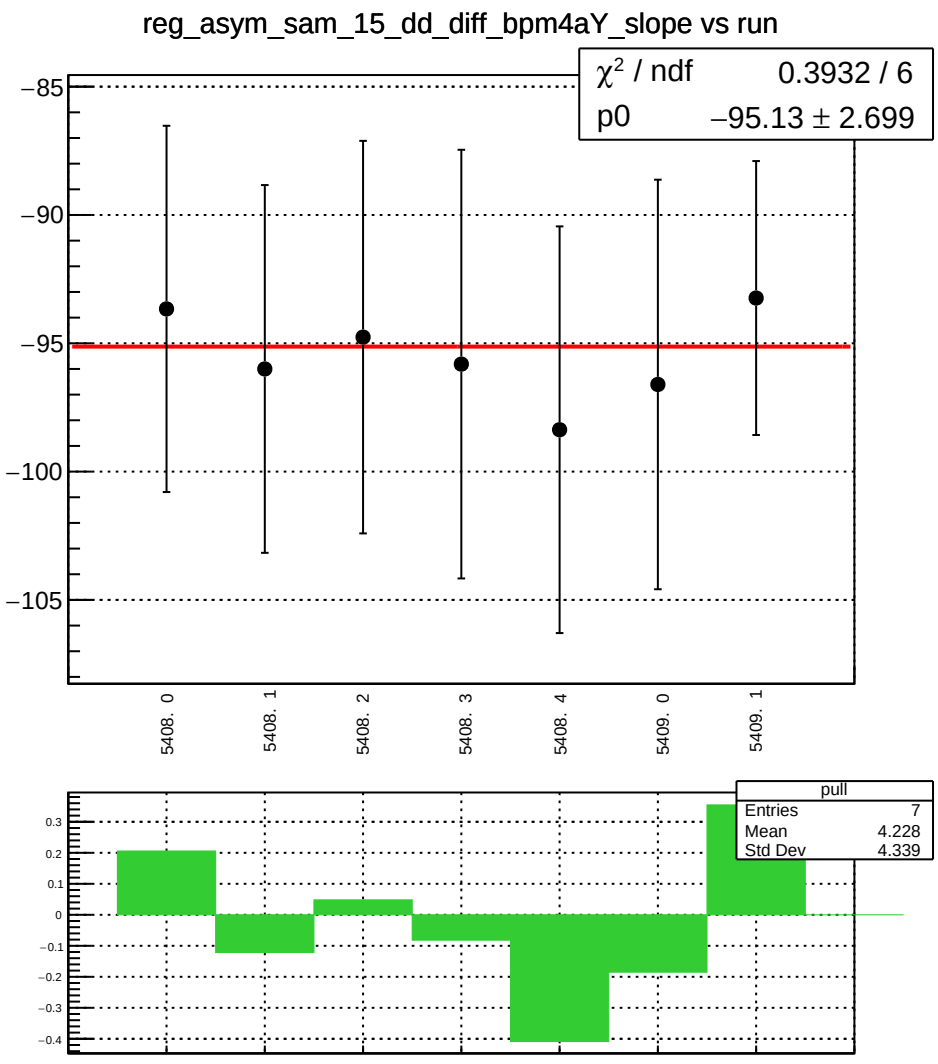

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.385 / 6
p0 12.73 ± 0.4138
15
14
13
12
11
10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.25
Std Dev 9.539
1
0.5
0
−0.5
−1

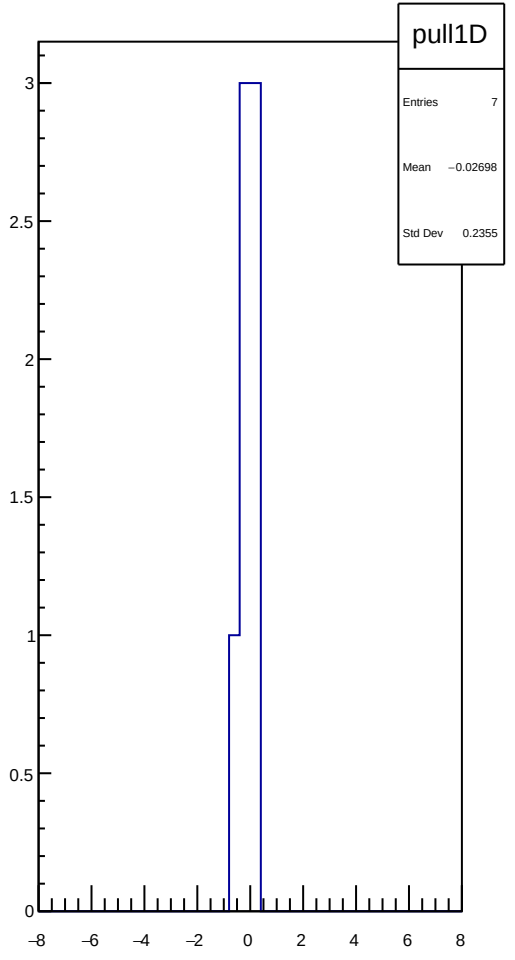

pull1D
Entries 7
Mean −0.06225
Std Dev 0.789
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

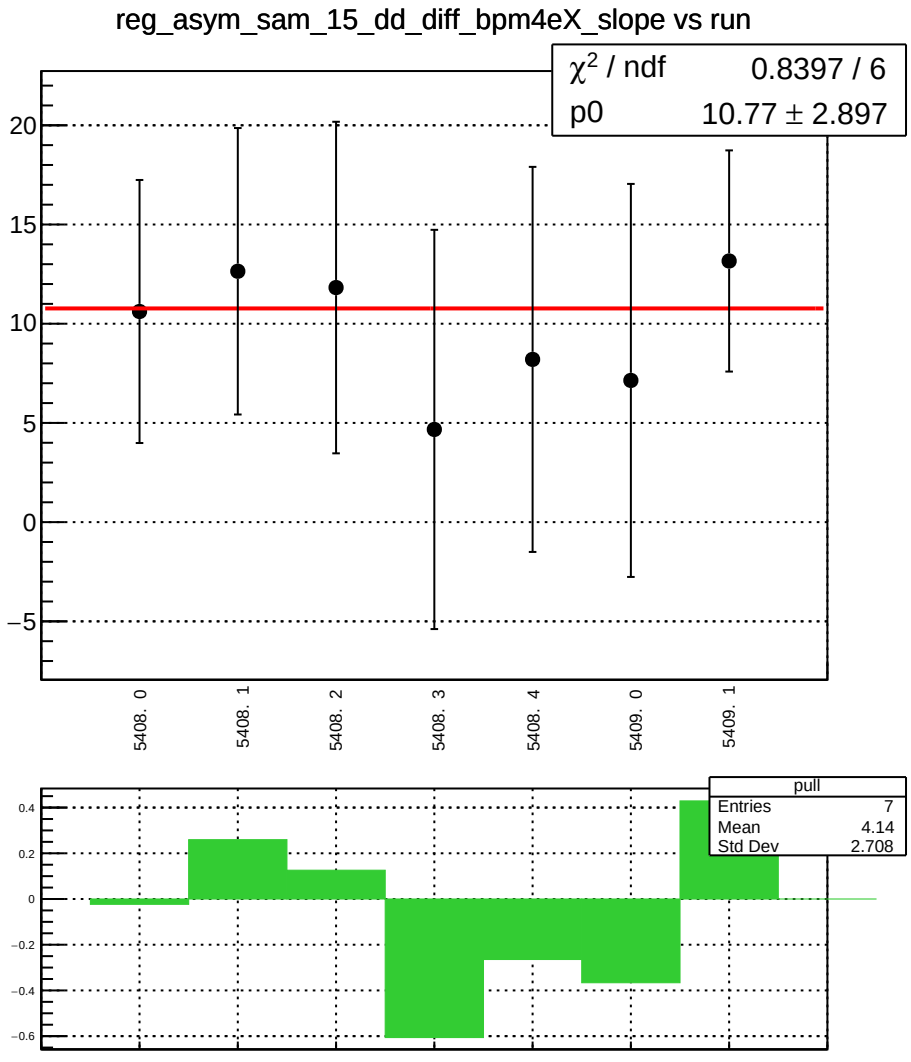

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 5.083 / 6
p0 0.01175 ± 0.01263
0.1
0.05
0
−0.05
−0.1
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 30.77
Std Dev 27.33
1
0.5
0
−0.5
−1
−1.5

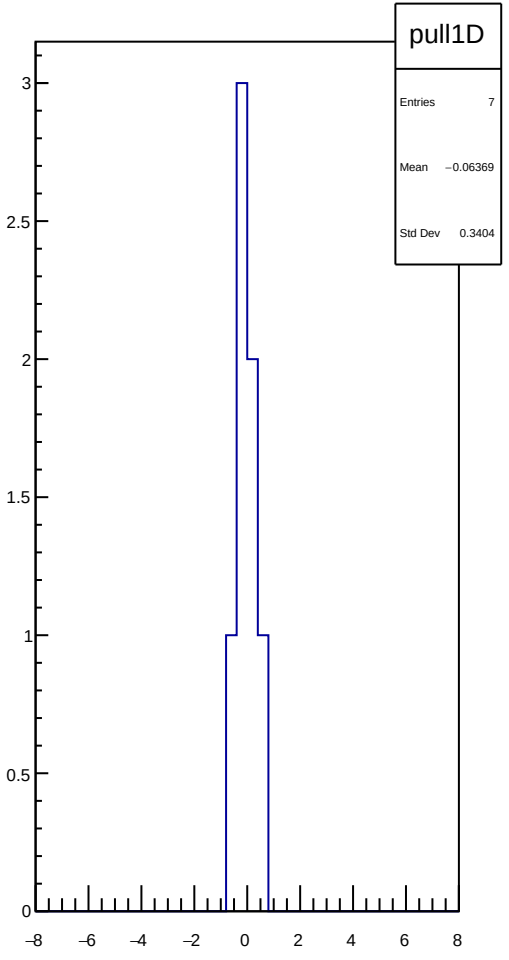

pull1D
Entries 7
Mean −0.04466
Std Dev 0.851
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

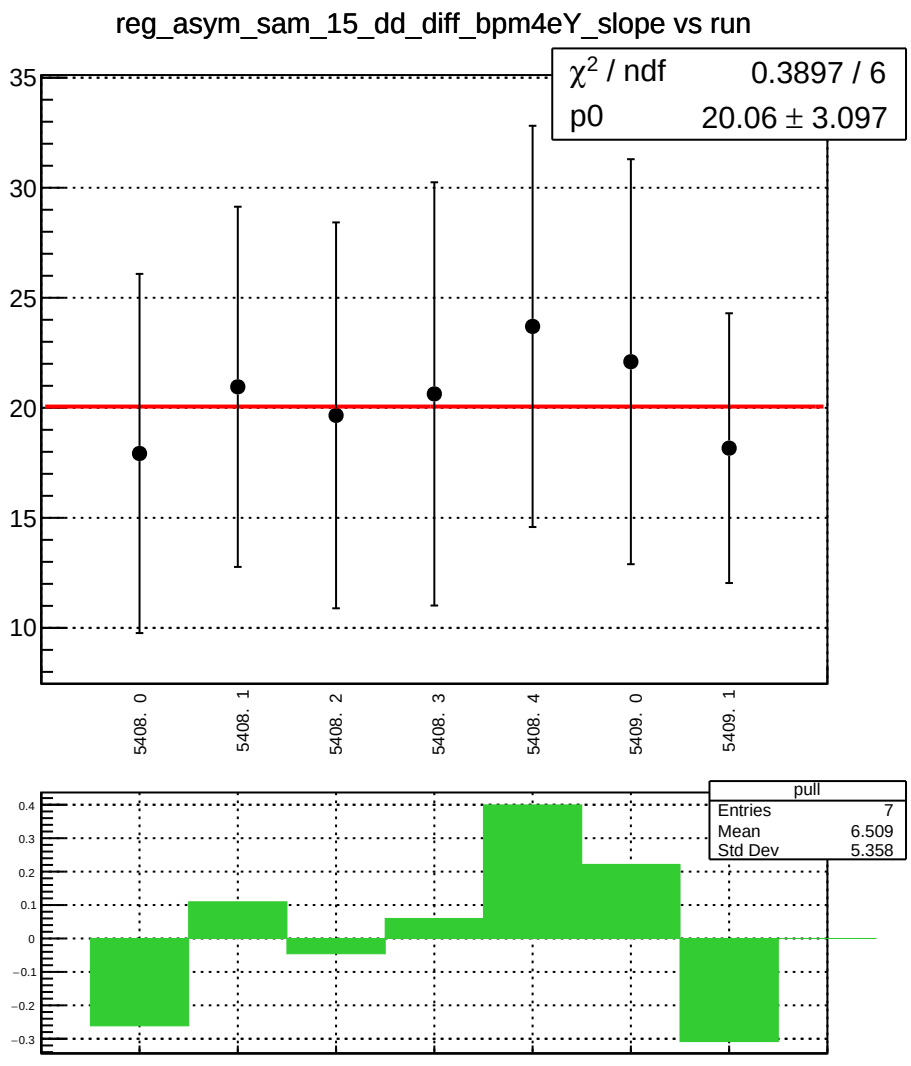

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8948 / 6
p0 −15.74 ± 2.952
0
−5
−10
−15
−20
−25
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.427
Std Dev 2.838
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean 0.06709
Std Dev 0.3512
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

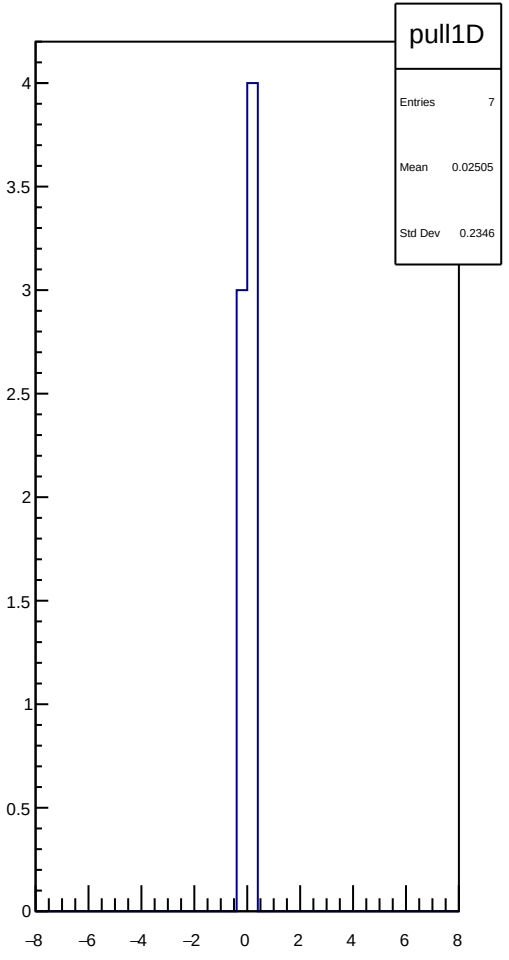

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3932 / 6
p0 −95.13 ± 2.699
−85
−90
−95
−100
−105
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.228
Std Dev 4.339
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

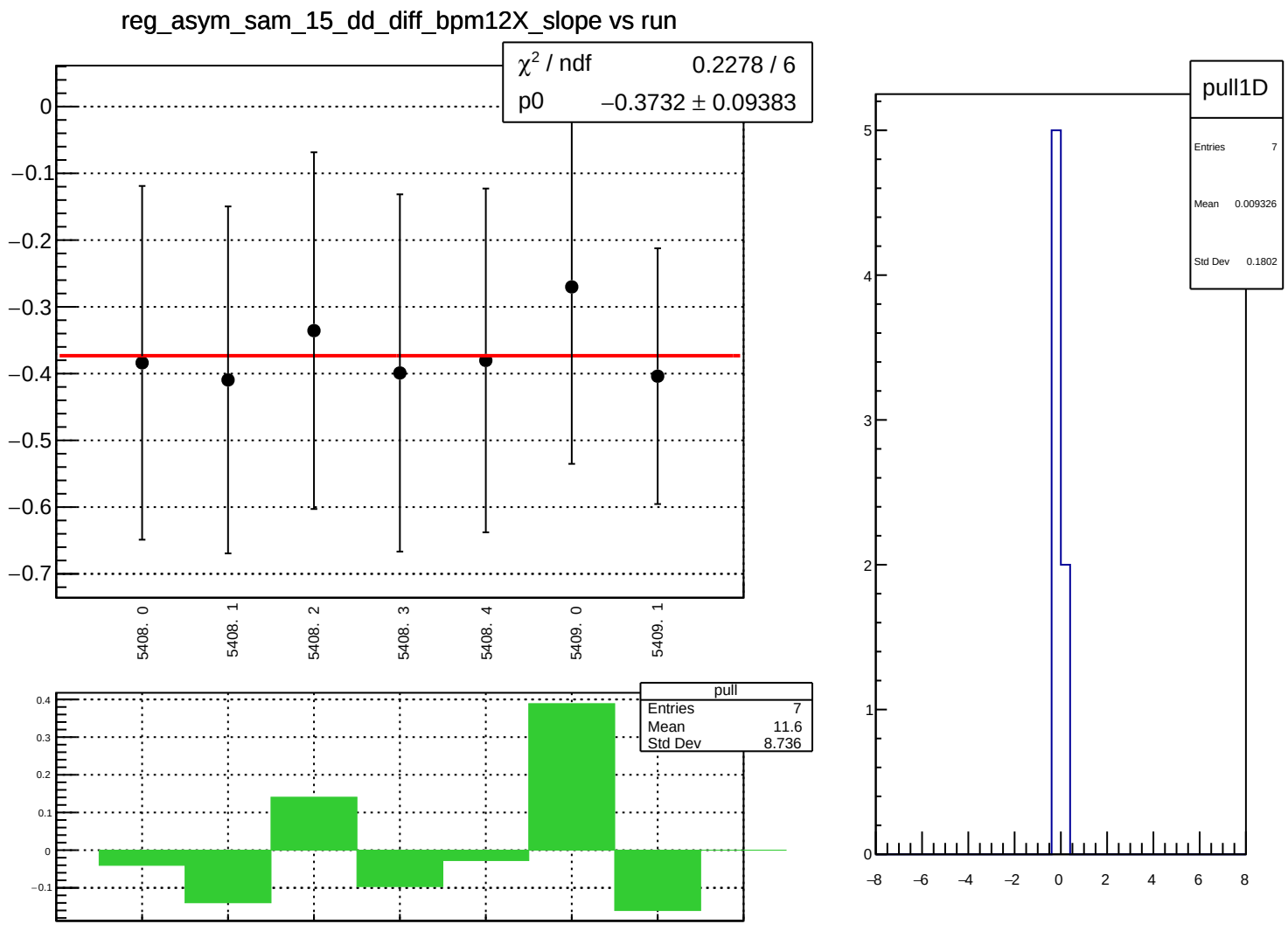

pull1D
Entries 7
Mean −0.02698
Std Dev 0.2355
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

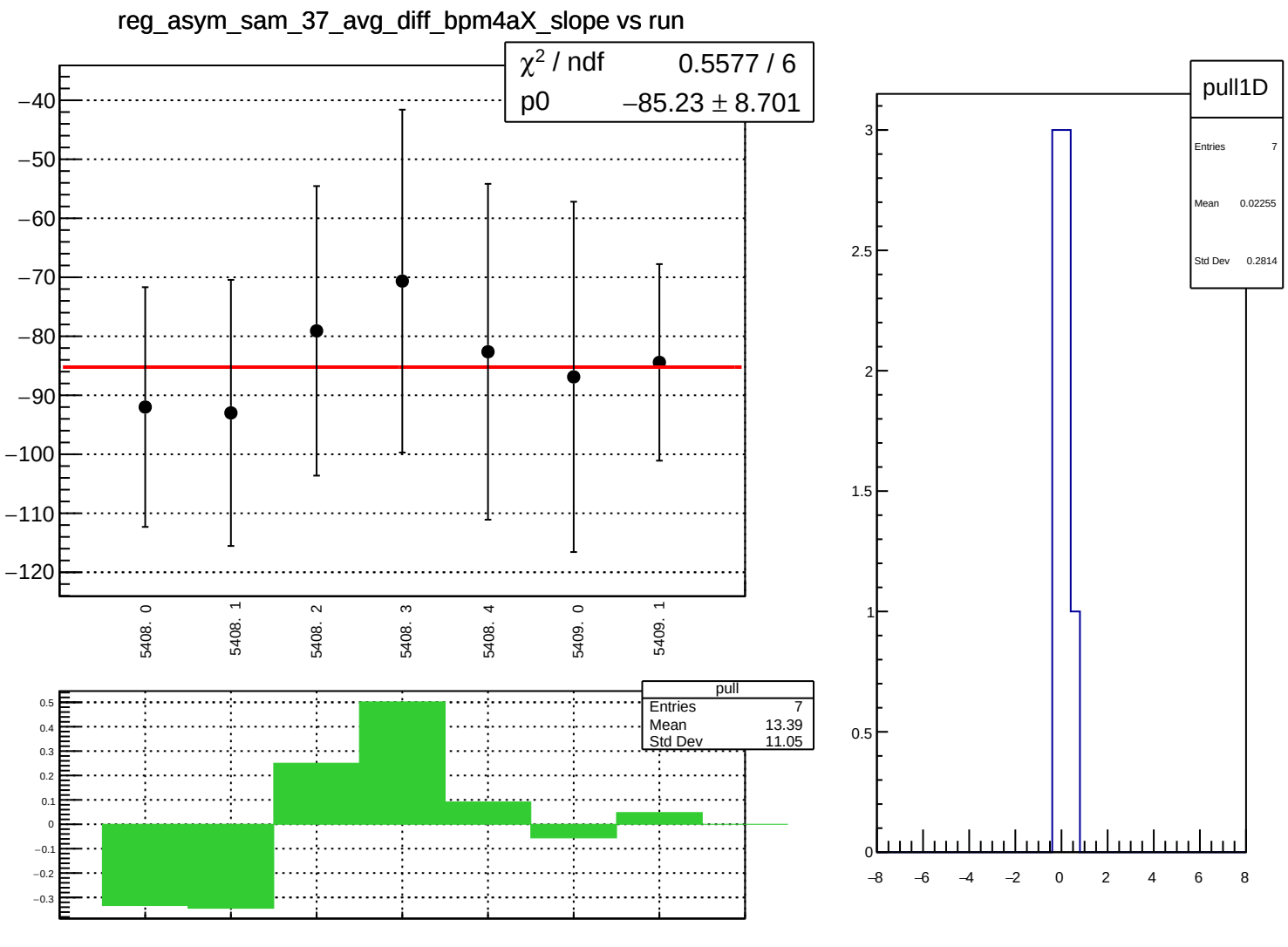

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8397 / 6
p0 10.77 ± 2.897
20
15
10
5
0
−5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.14
Std Dev 2.708
0.4
0.2
0
−0.2
−0.4
−0.6

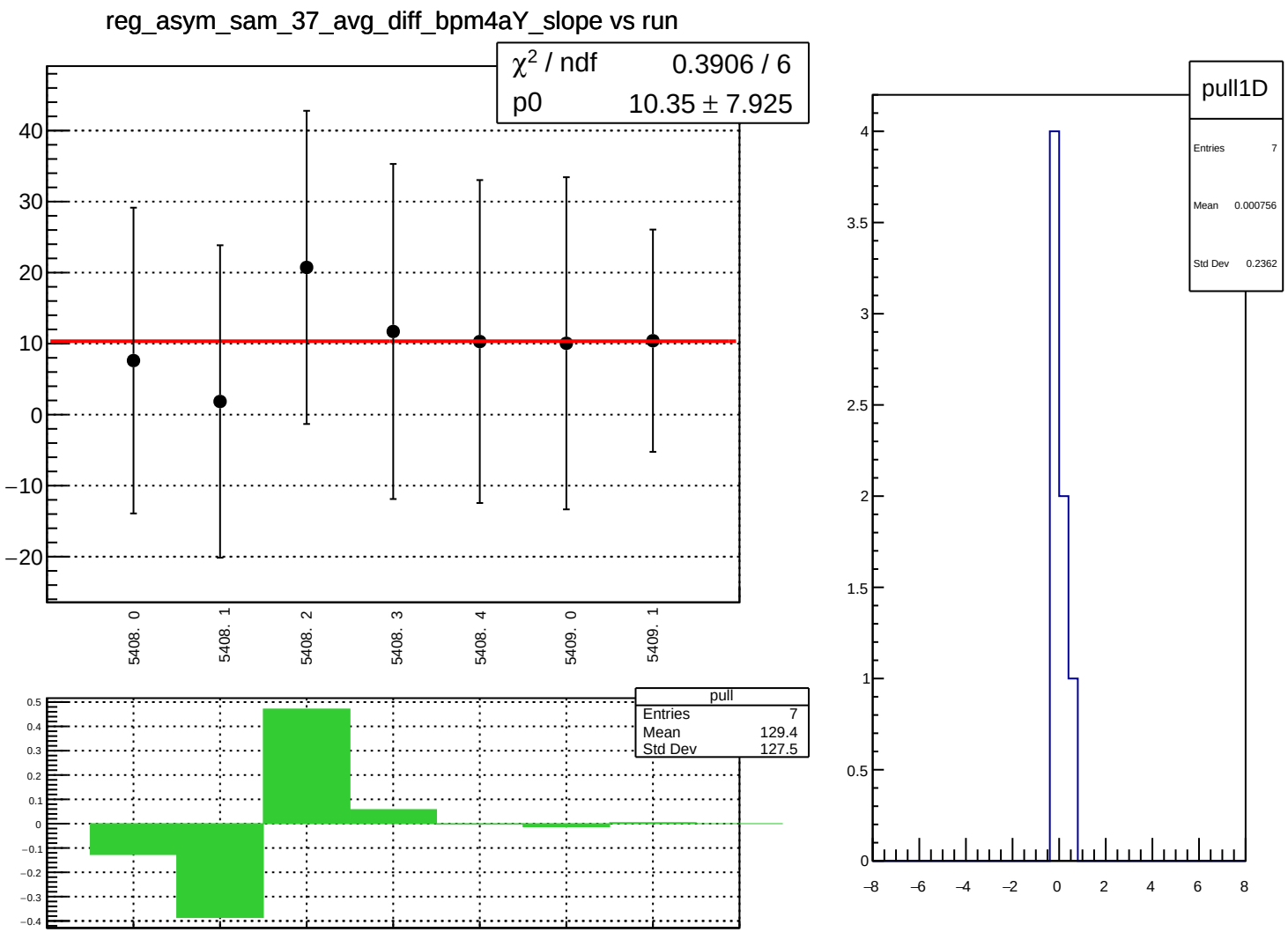

pull1D
Entries 7
Mean −0.06369
Std Dev 0.3404
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

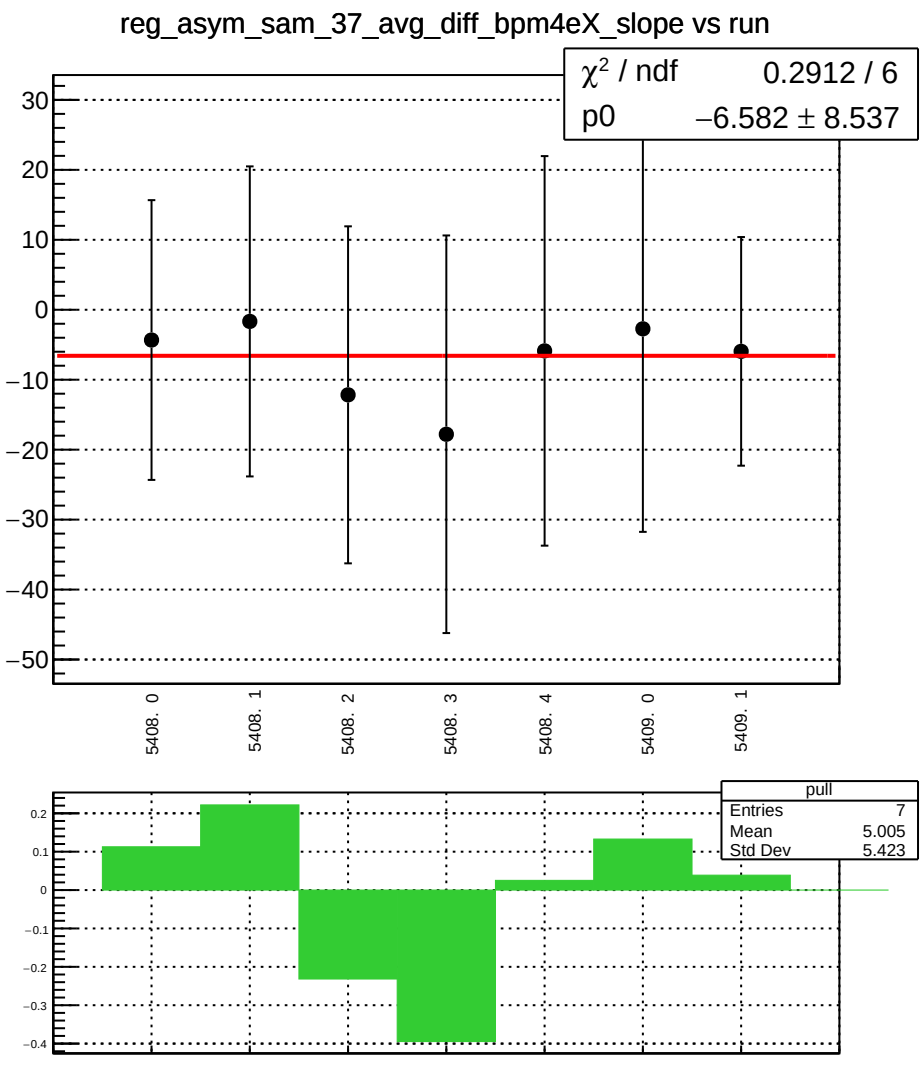

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.3897 / 6
p0 20.06 ± 3.097
35
30
25
20
15
10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.509
Std Dev 5.358
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

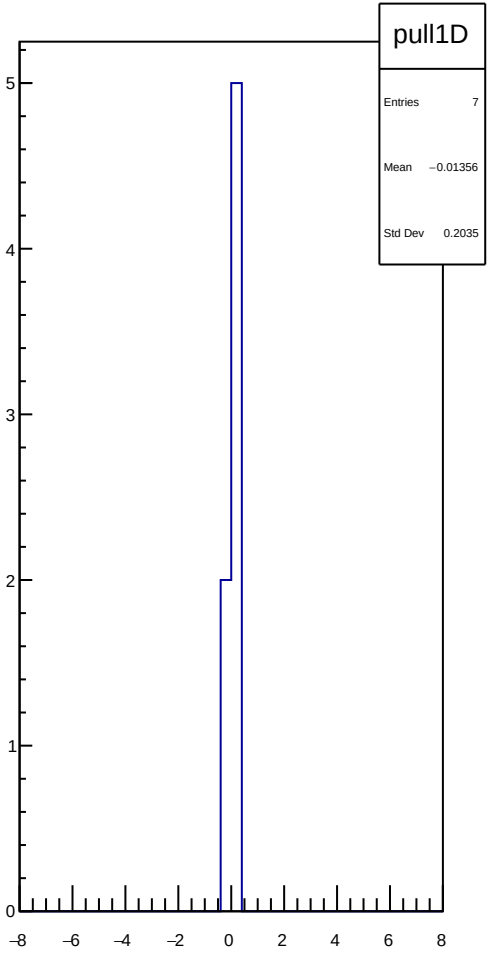

pull1D
Entries 7
Mean 0.02505
Std Dev 0.2346
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

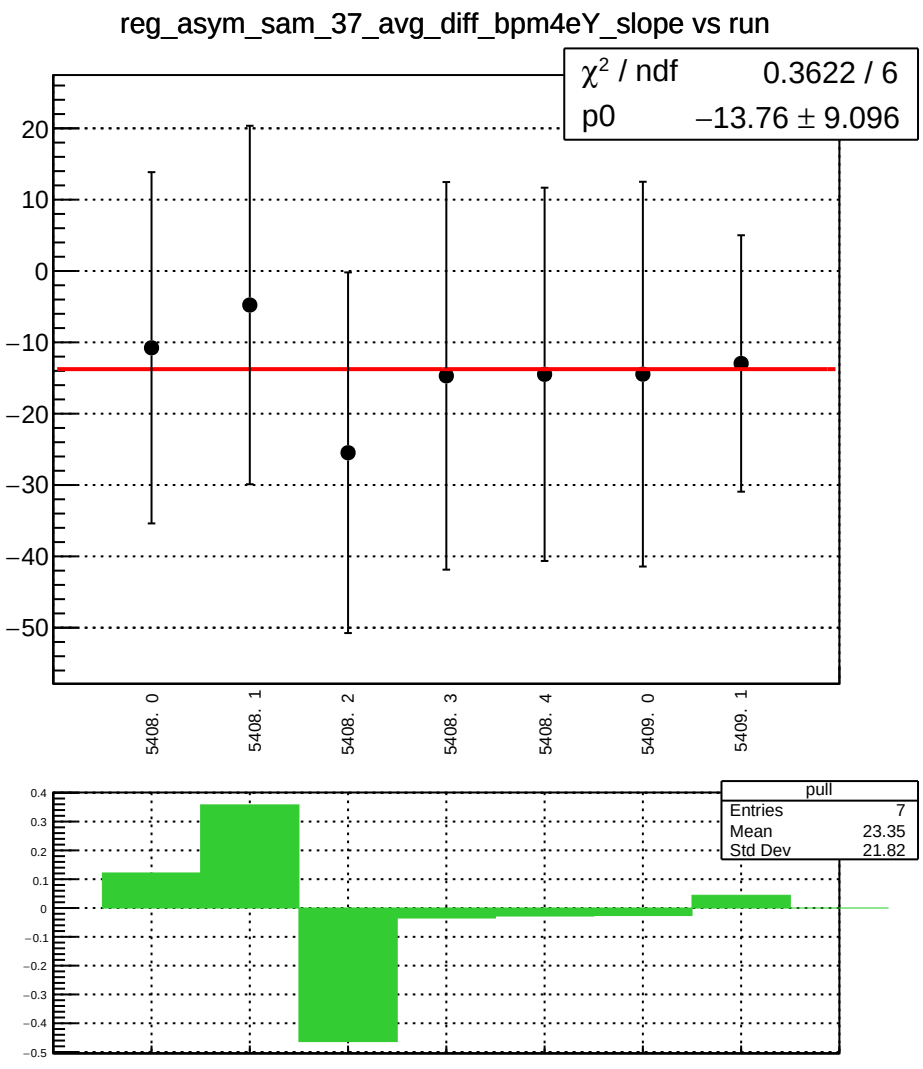

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.2278 / 6
p0 −0.3732 ± 0.09383
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 11.6
Std Dev 8.736
0.4
0.3
0.2
0.1
0
−0.1
pull1D
Entries 7
Mean 0.009326
Std Dev 0.1802
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

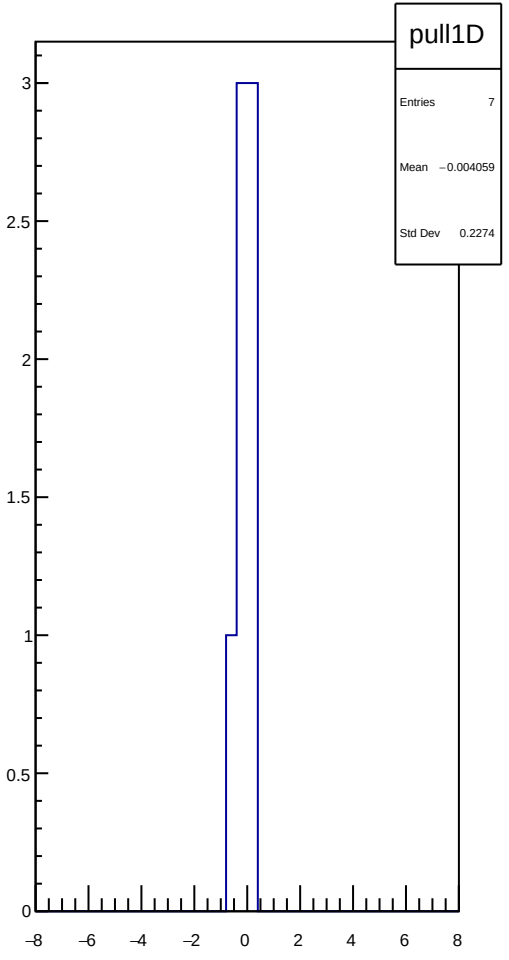

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.5577 / 6
p0 −85.23 ± 8.701
−40
−50
−60
−70
−80
−90
−100
−110
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 13.39
Std Dev 11.05
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 7
Mean 0.02255
Std Dev 0.2814
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

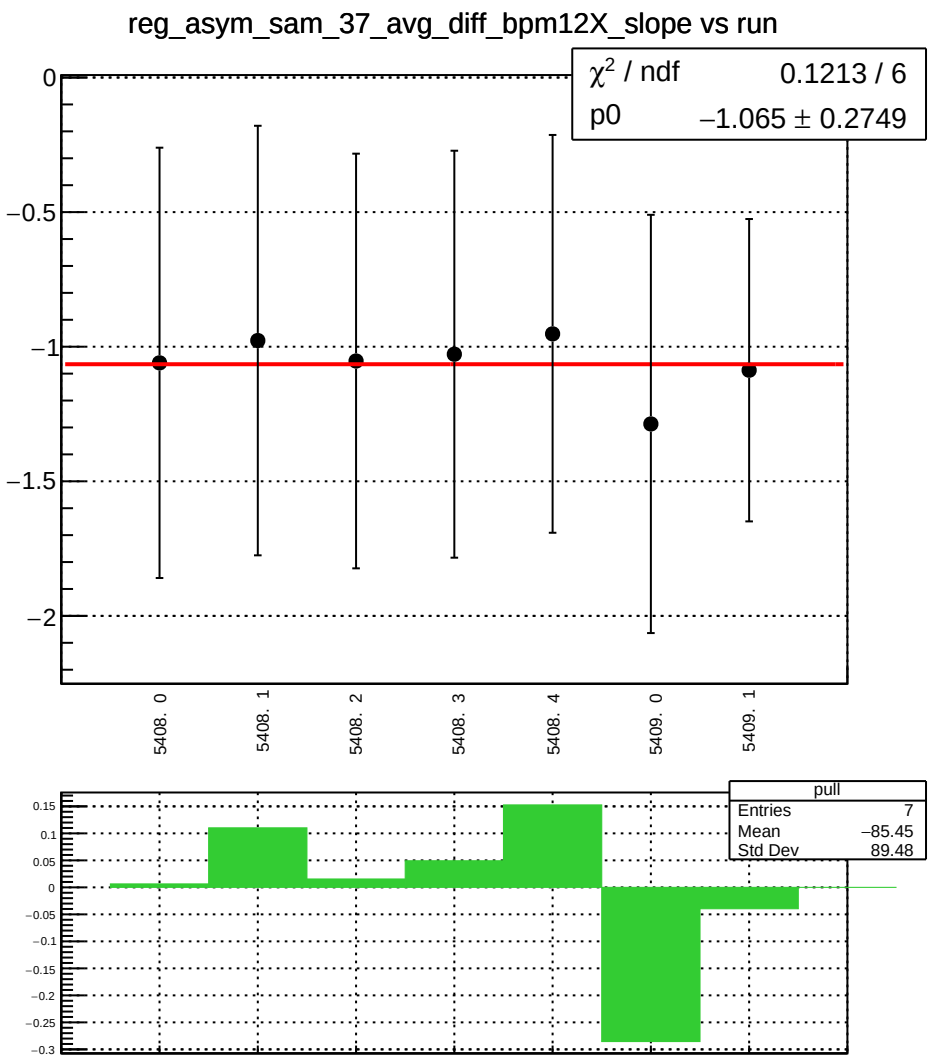

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.3906 / 6
p0 10.35 ± 7.925
40
30
20
10
0
−10
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 129.4
Std Dev 127.5
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 7
Mean 0.000756
Std Dev 0.2362
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

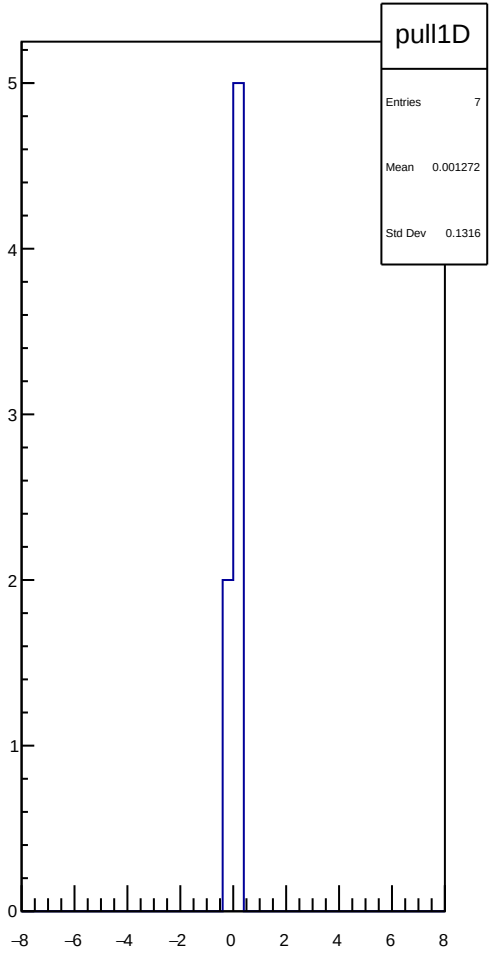

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.2912 / 6
p0 −6.582 ± 8.537
30
20
10
0
−10
−20
−30
−40
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.005
Std Dev 5.423
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

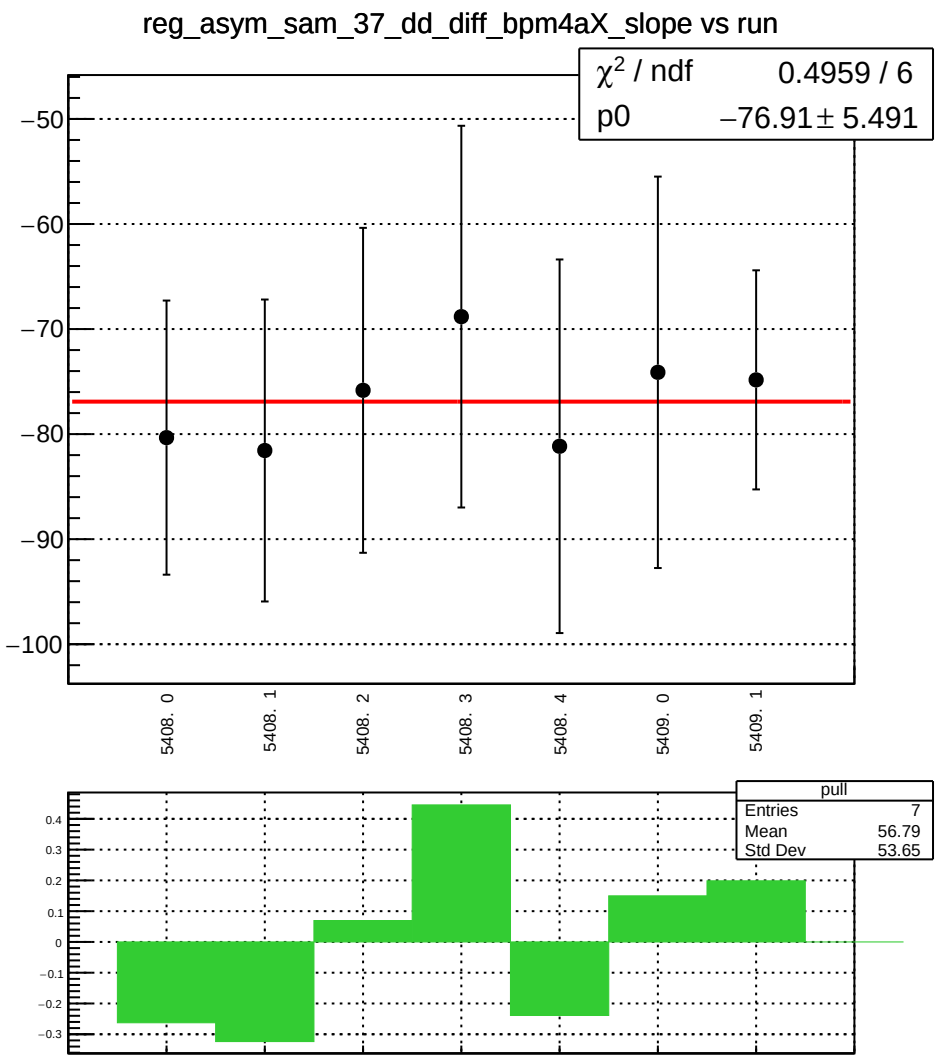

pull1D
Entries 7
Mean −0.01356
Std Dev 0.2035
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

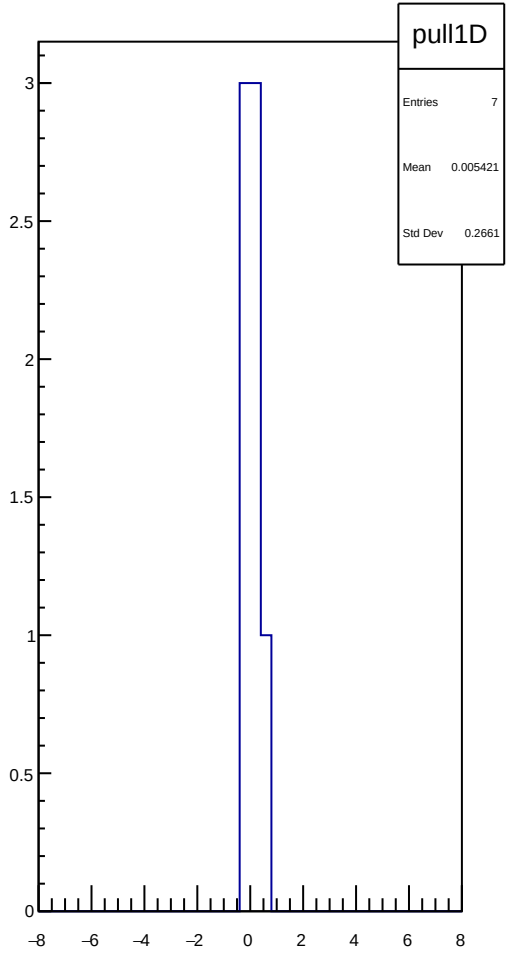

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.3622 / 6
p0 −13.76 ± 9.096
20
10
0
−10
−20
−30
−40
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 23.35
Std Dev 21.82
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

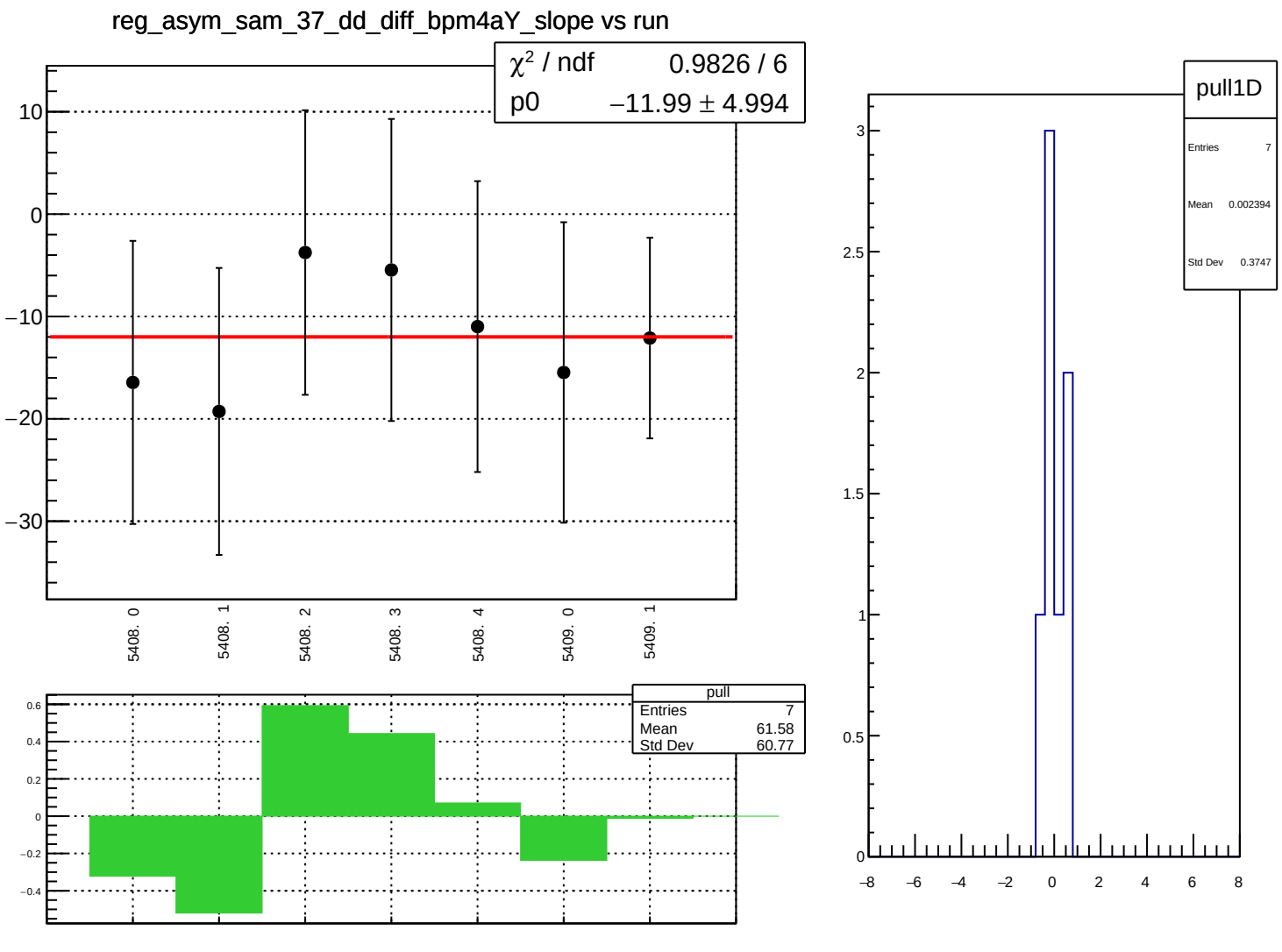

pull1D
Entries 7
Mean −0.004059
Std Dev 0.2274
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

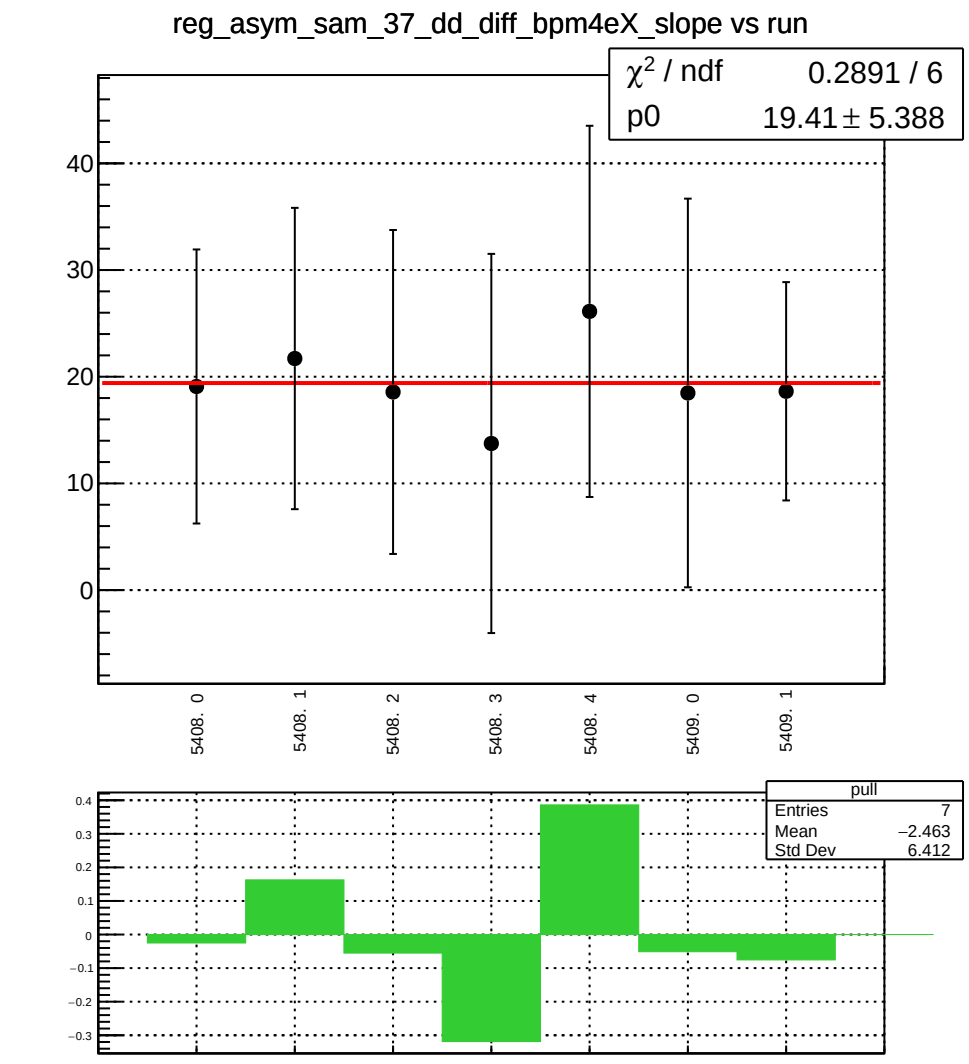

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 0.1213 / 6
p0 −1.065 ± 0.2749
0
−0.5
−1
−1.5
−2
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −85.45
Std Dev 89.48
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

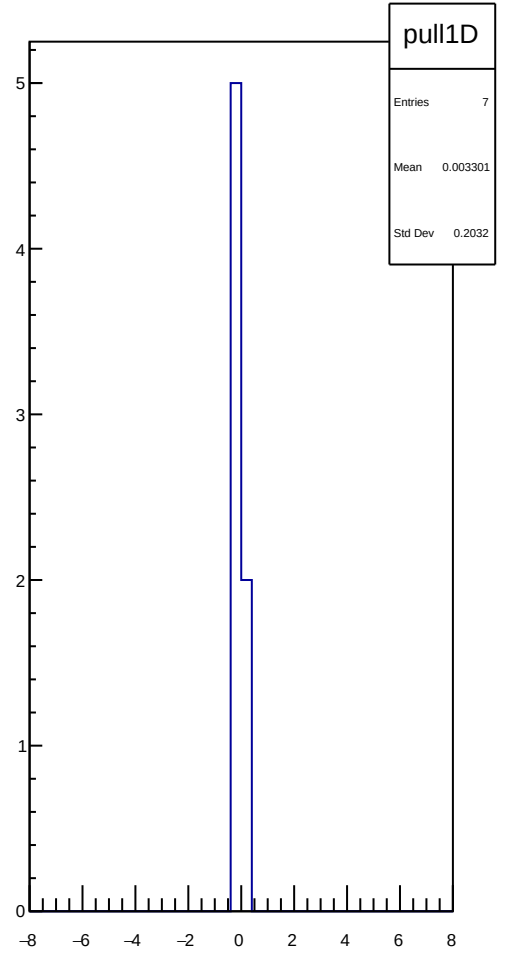

pull1D
Entries 7
Mean 0.001272
Std Dev 0.1316
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

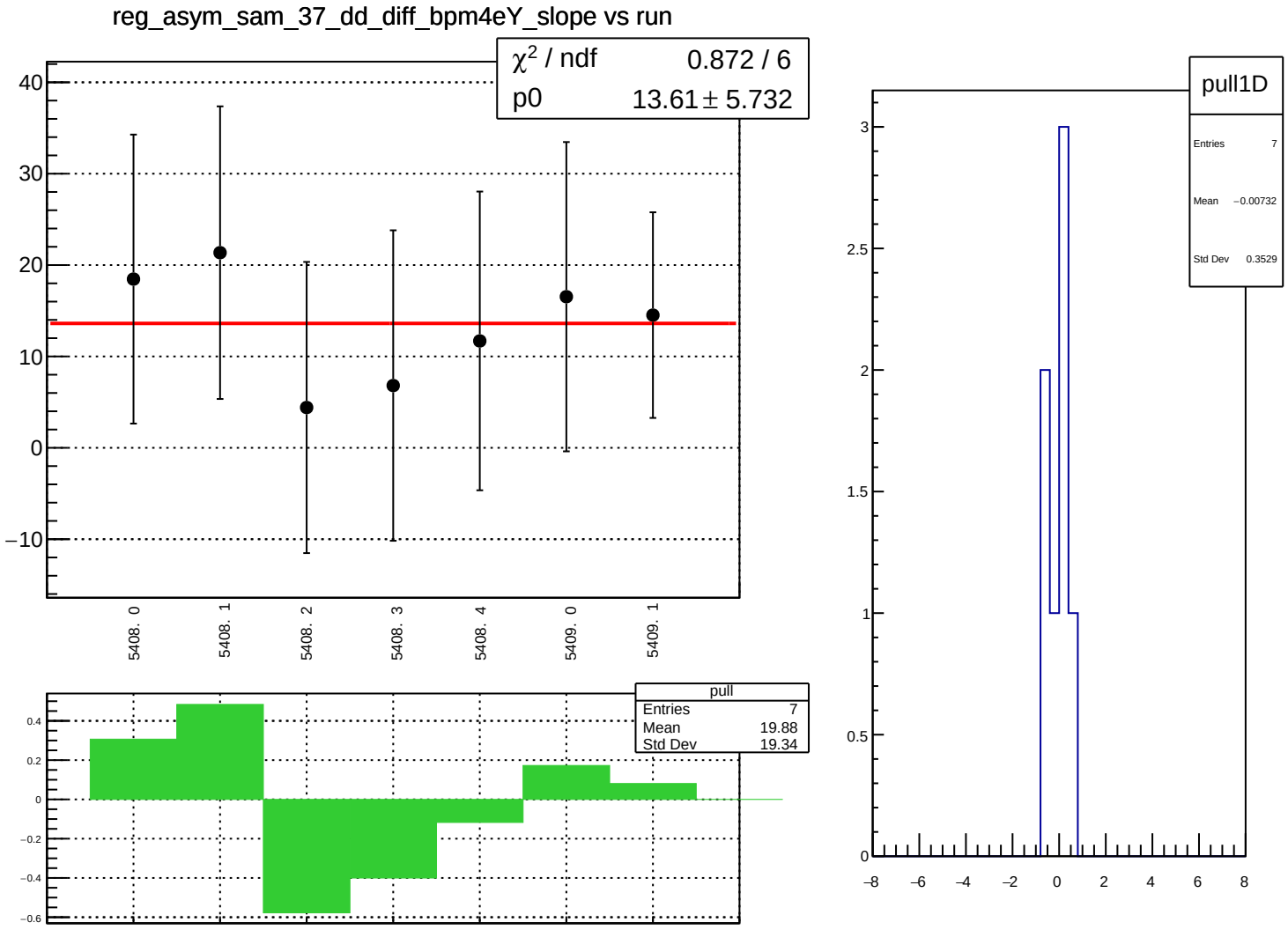

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4959 / 6
p0 −76.91 ± 5.491
−50
−60
−70
−80
−90
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 56.79
Std Dev 53.65
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

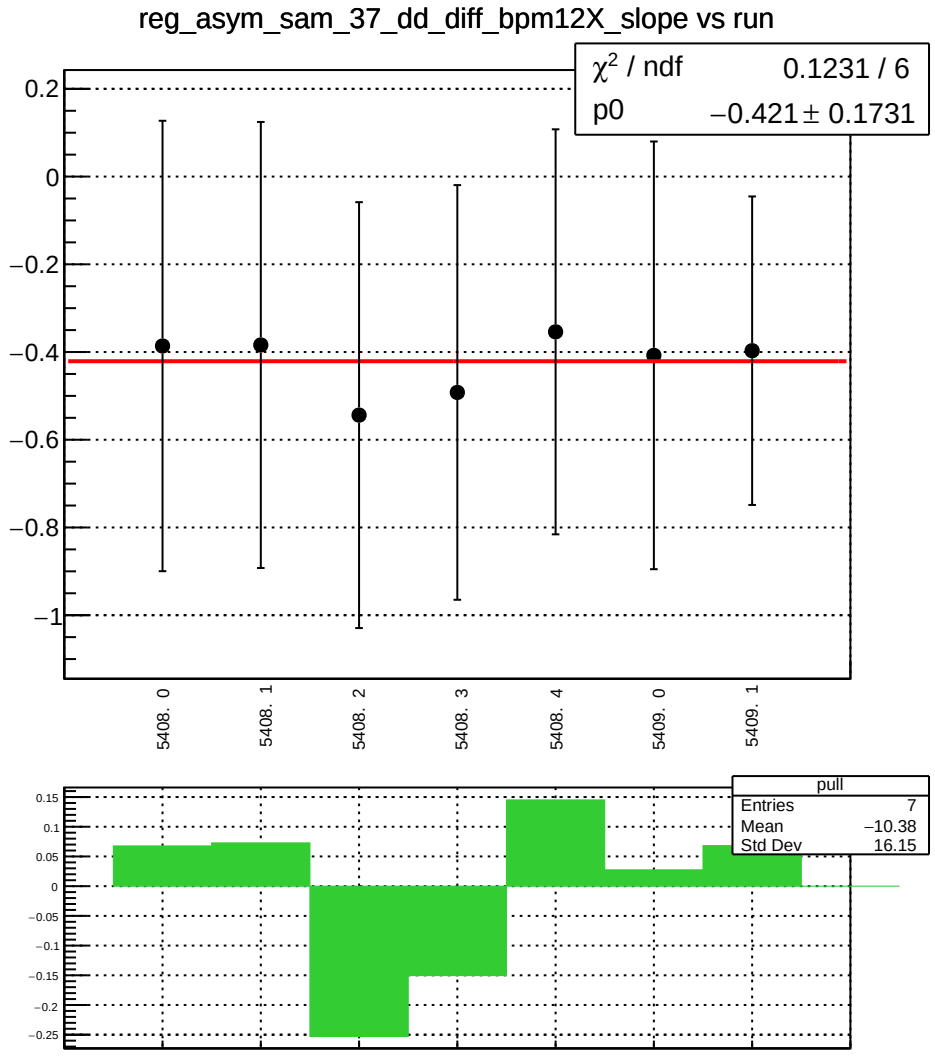

pull1D
Entries 7
Mean 0.005421
Std Dev 0.2661
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

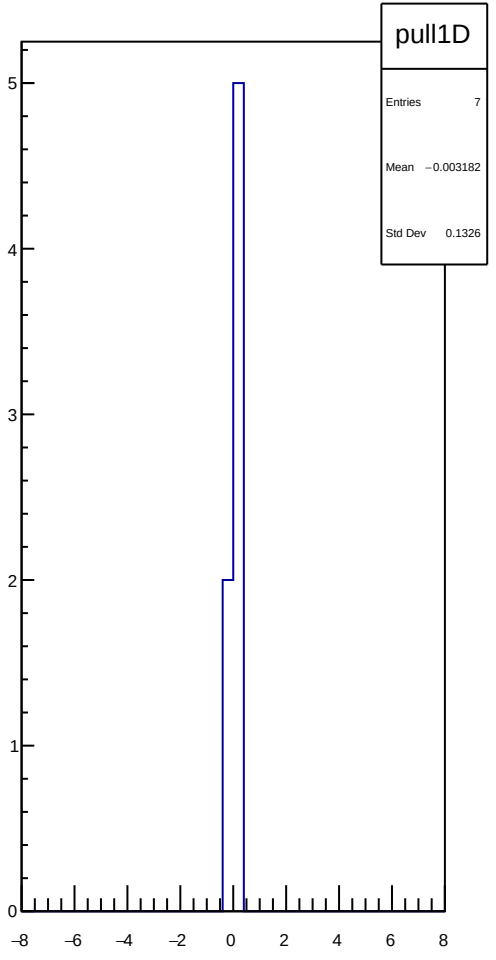

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.9826 / 6
p0 −11.99 ± 4.994
10
0
−10
−20
−30
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 61.58
Std Dev 60.77
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean 0.002394
Std Dev 0.3747
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

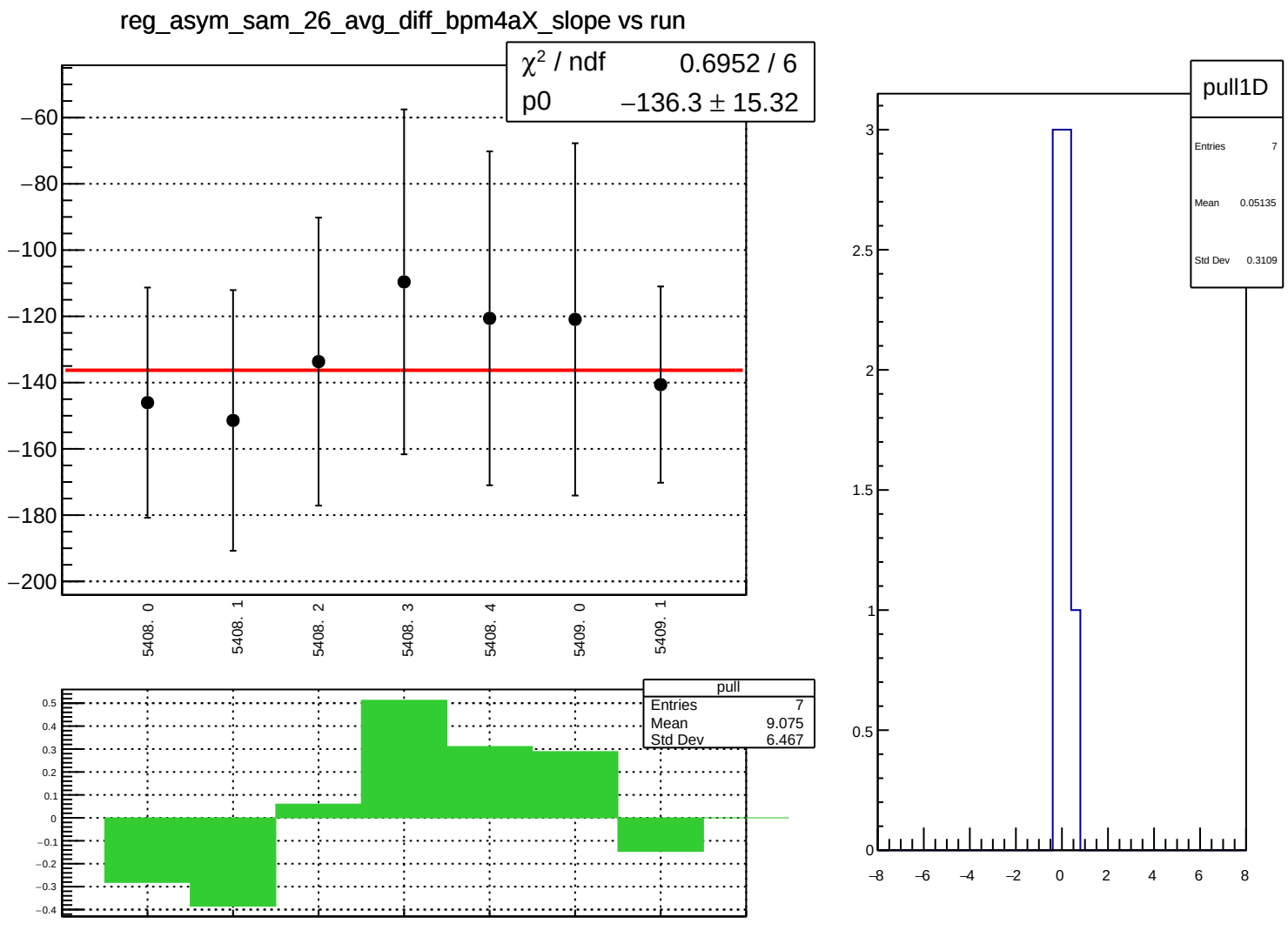

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.2891 / 6
p0 19.41 ± 5.388
40
30
20
10
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −2.463
Std Dev 6.412
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

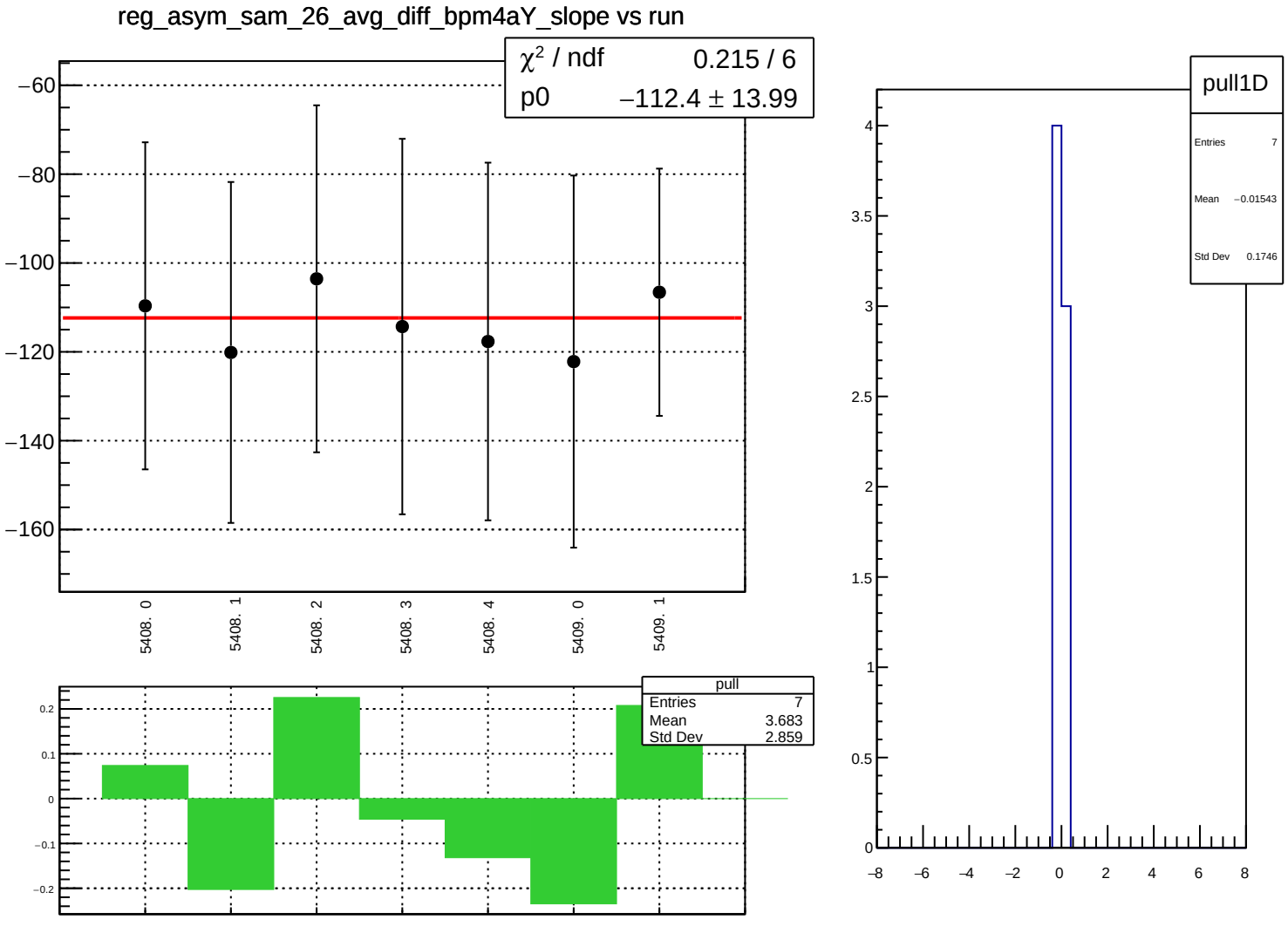

pull1D
Entries 7
Mean 0.003301
Std Dev 0.2032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

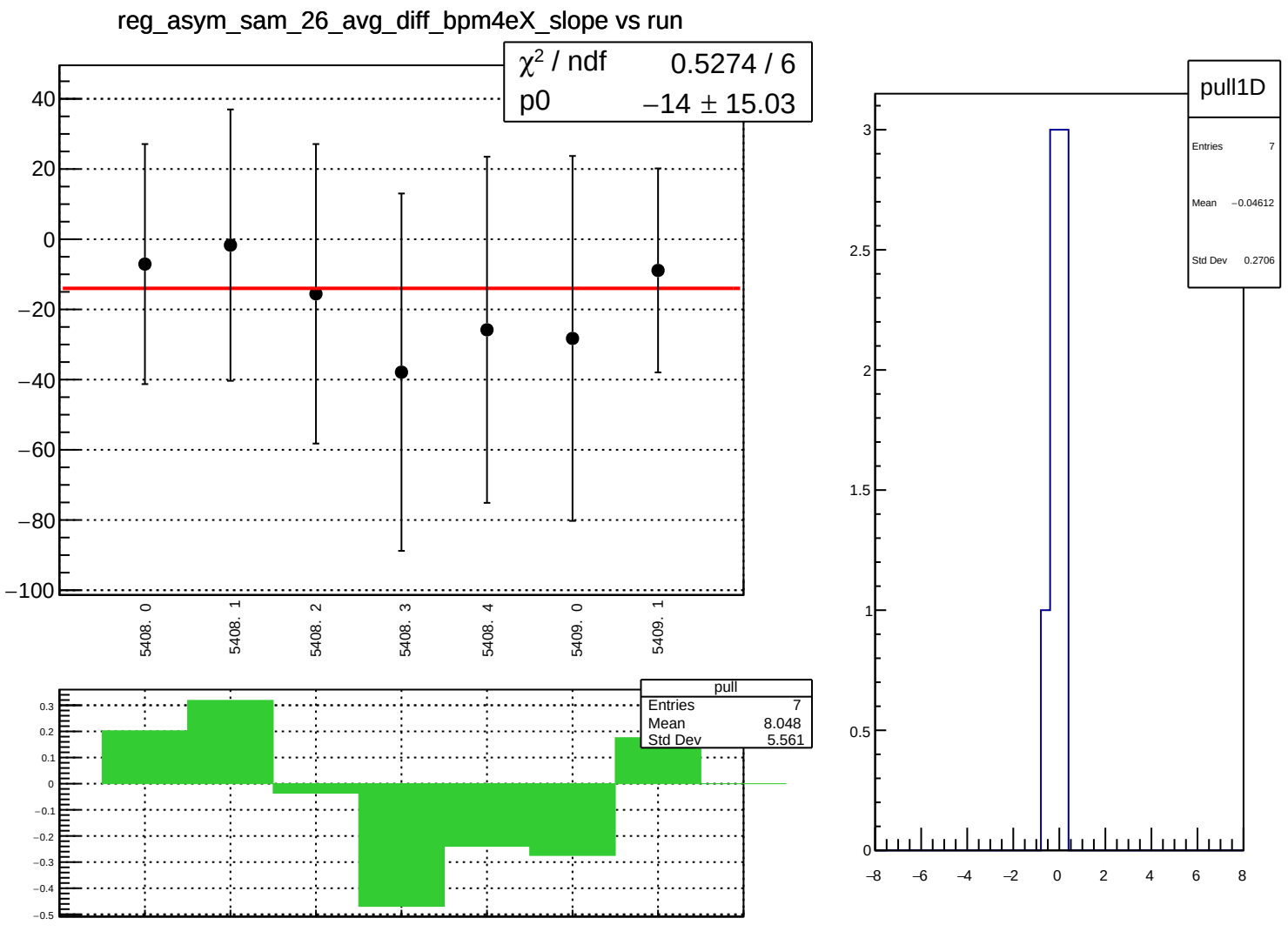

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.872 / 6
p0 13.61 ± 5.732
40
30
20
10
0
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 19.88
Std Dev 19.34
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 7
Mean −0.00732
Std Dev 0.3529
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

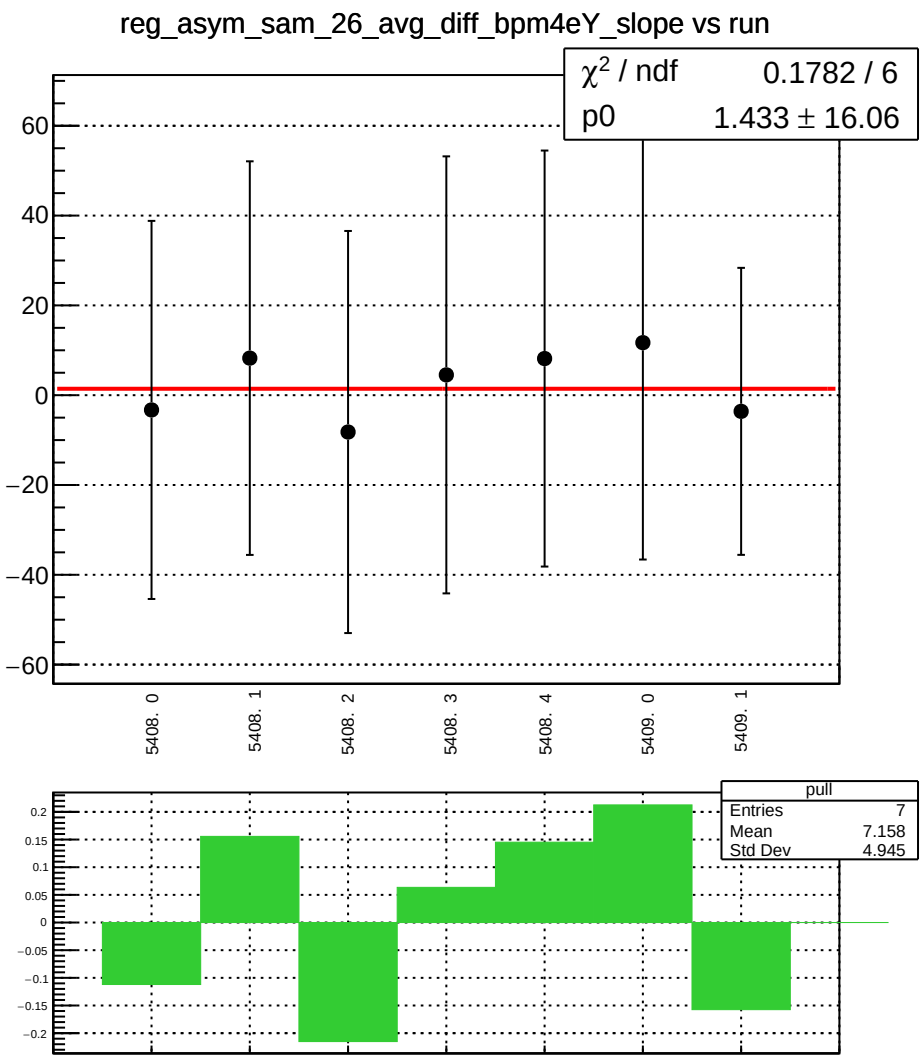

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.1231 / 6
p0 −0.421 ± 0.1731
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.38
Std Dev 16.15
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25

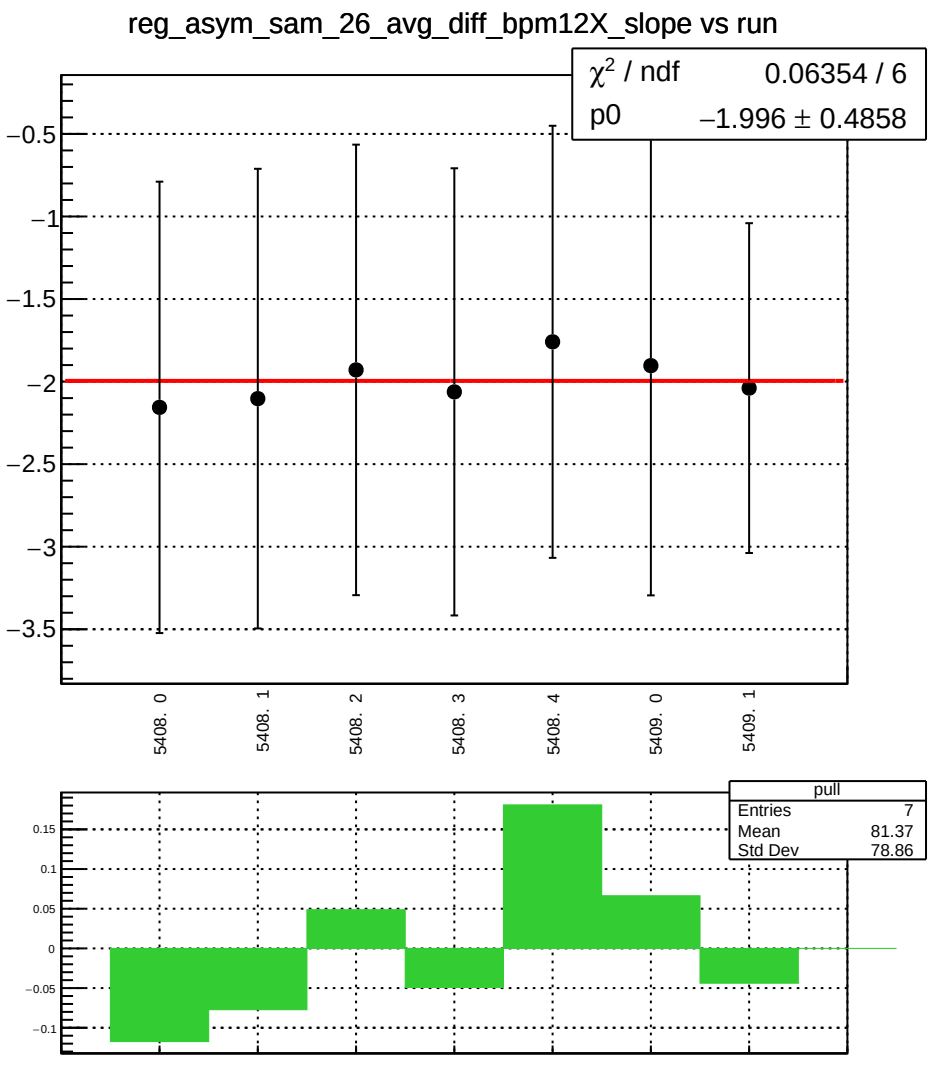

pull1D
Entries 7
Mean −0.003182
Std Dev 0.1326
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

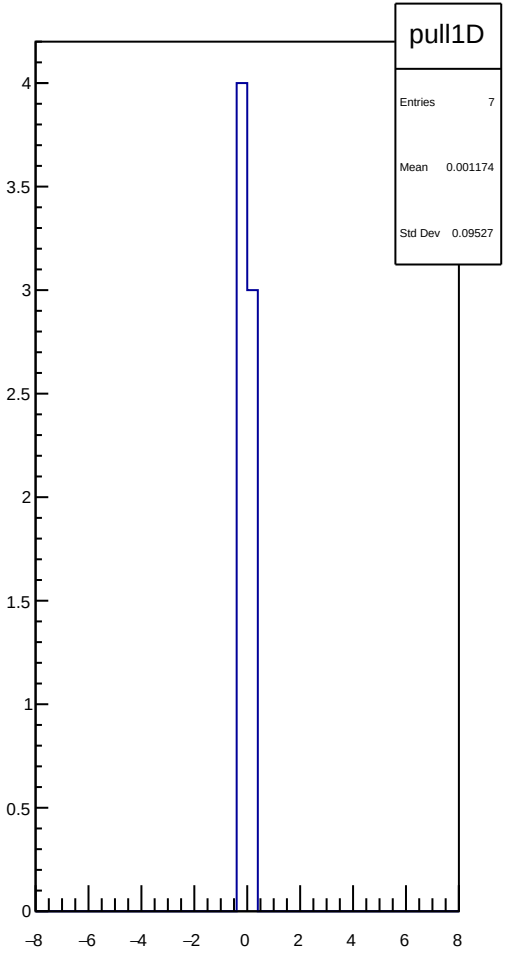

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6952 / 6
p0 −136.3 ± 15.32
−60
−80
−100
−120
−140
−160
−180
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 9.075
Std Dev 6.467
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 7
Mean 0.05135
Std Dev 0.3109
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

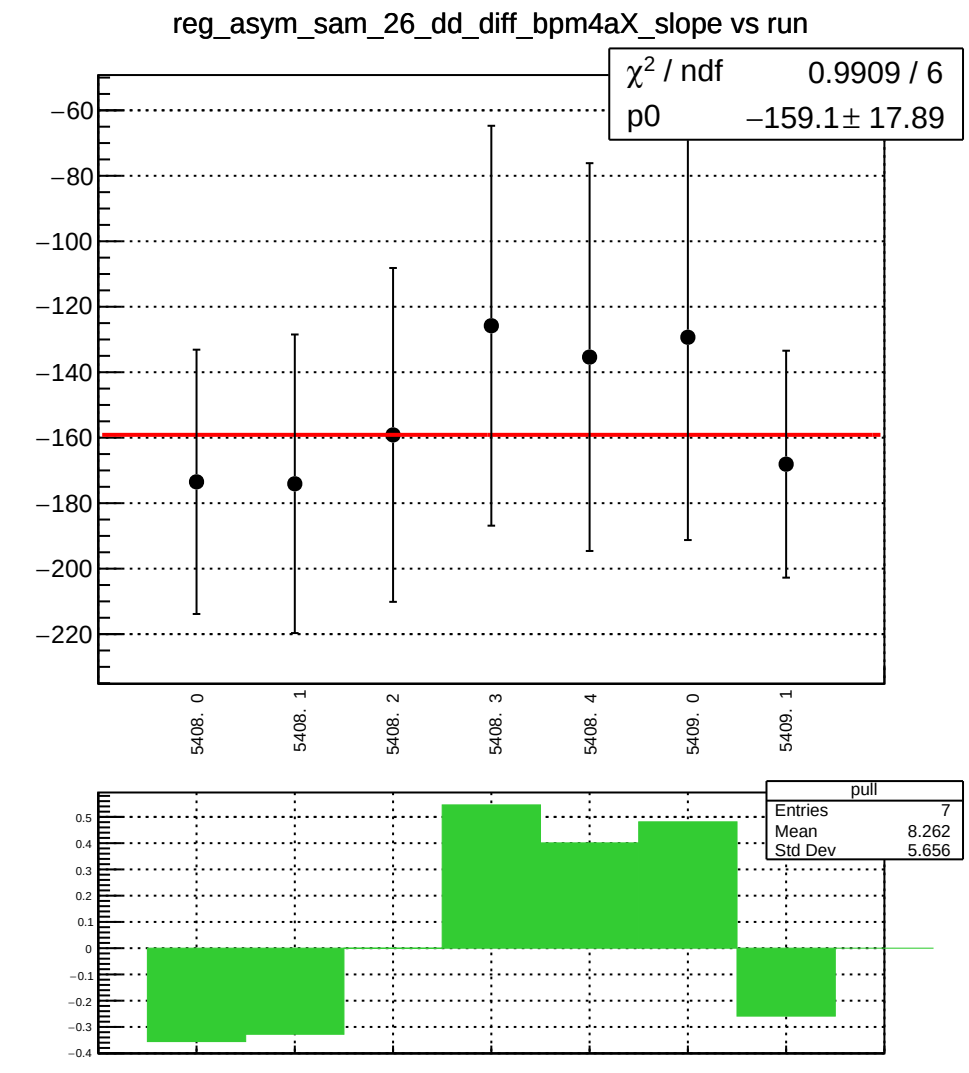

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.215 / 6
p0 −112.4 ± 13.99
−60
−80
−100
−120
−140
−160
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.683
Std Dev 2.859
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean −0.01543
Std Dev 0.1746
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

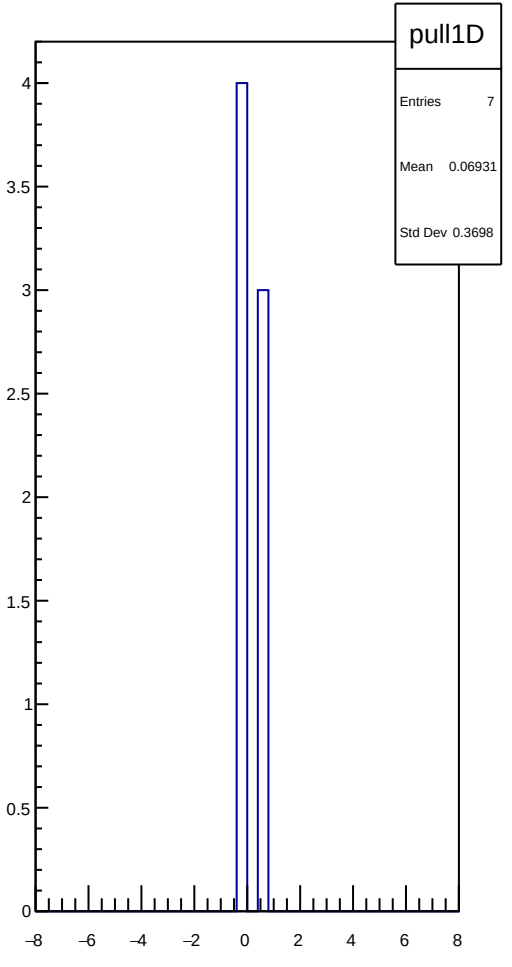

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.5274 / 6
p0 −14 ± 15.03
40
20
0
−20
−40
−60
−80
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.048
Std Dev 5.561
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 7
Mean −0.04612
Std Dev 0.2706
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

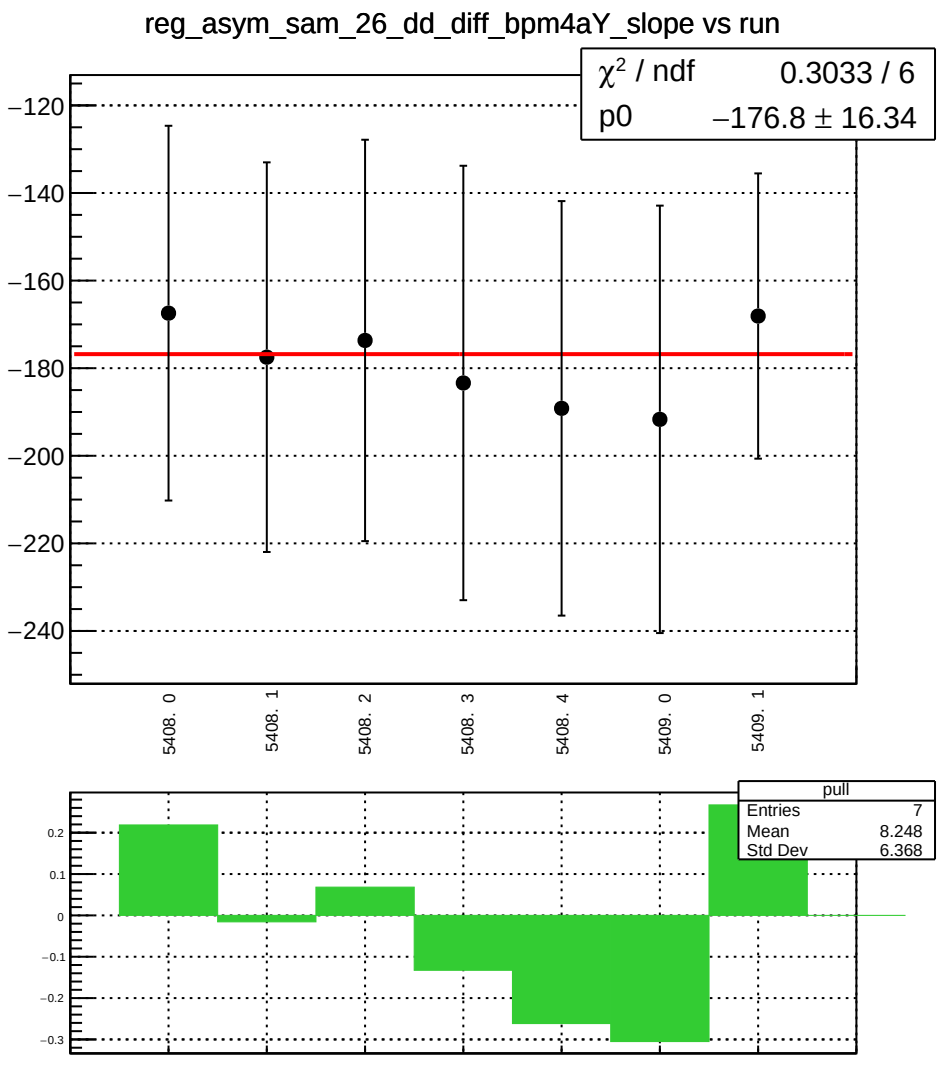

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.1782 / 6
p0 1.433 ± 16.06
60
40
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.158
Std Dev 4.945
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 7
Mean 0.01319
Std Dev 0.159
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

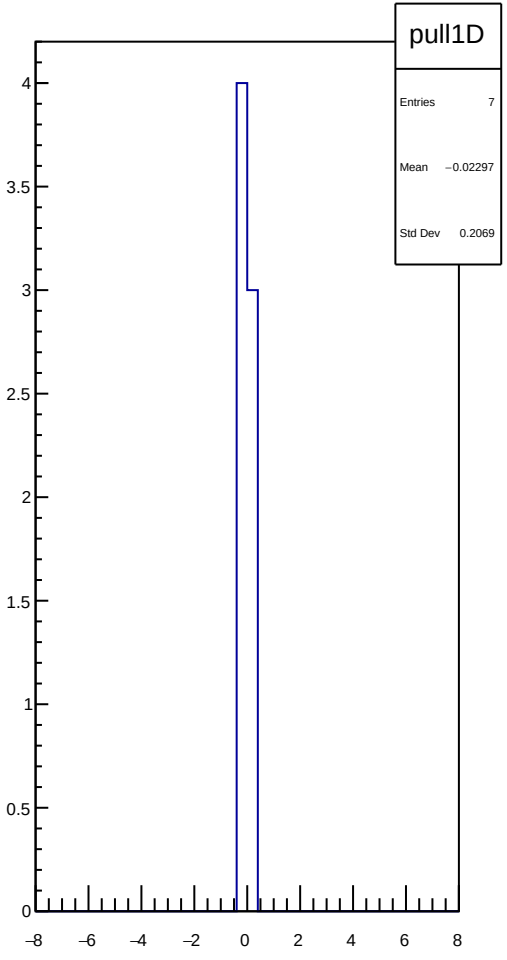

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 0.06354 / 6
p0 −1.996 ± 0.4858
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 81.37
Std Dev 78.86
0.15
0.1
0.05
0
−0.05
−0.1

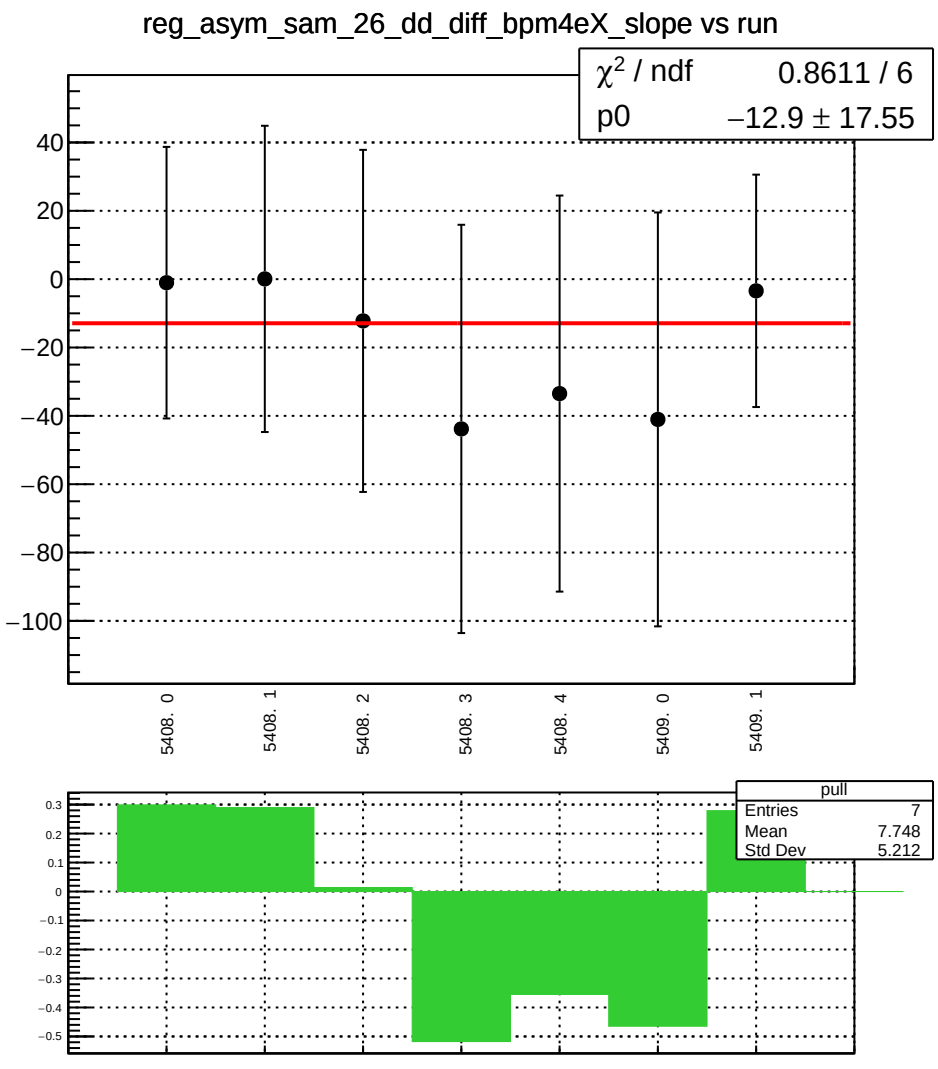

pull1D
Entries 7
Mean 0.001174
Std Dev 0.09527
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

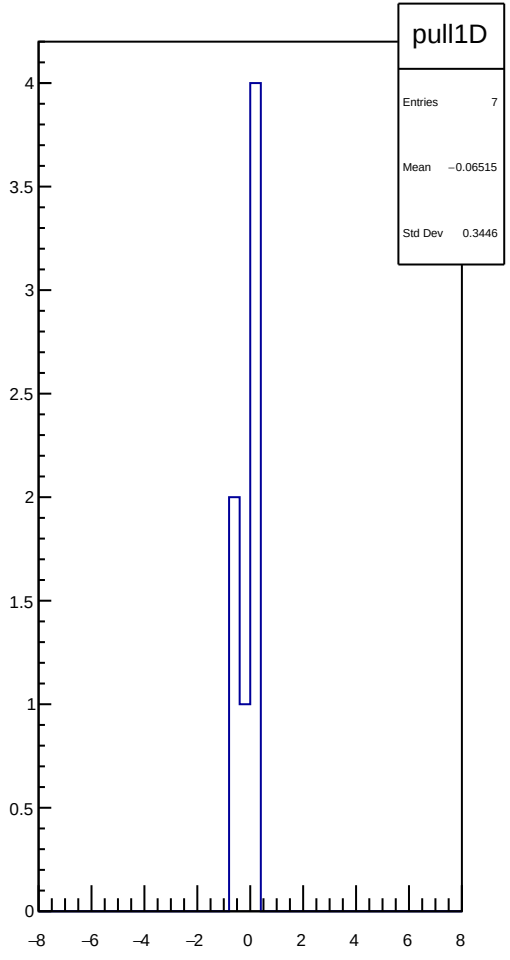

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.9909 / 6
p0 −159.1± 17.89
−60
−80
−100
−120
−140
−160
−180
−200
−220
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.262
Std Dev 5.656
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

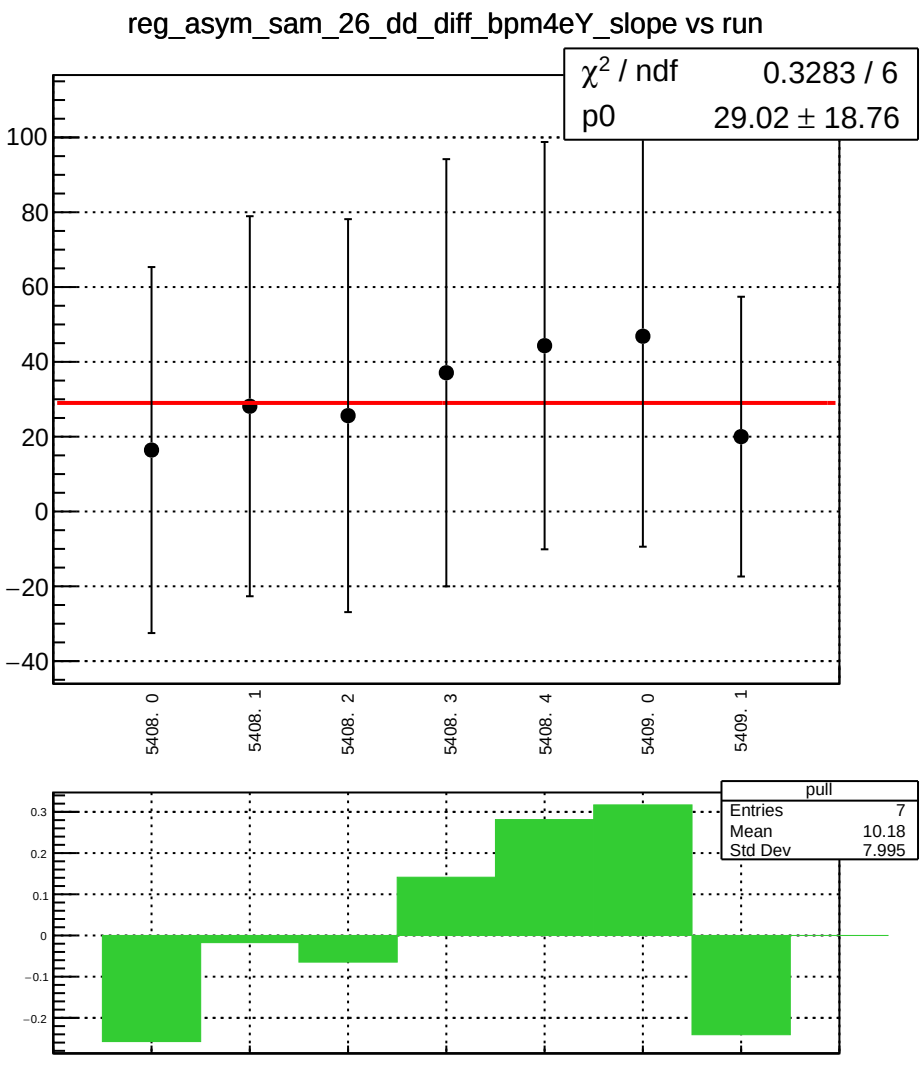

pull1D
Entries 7
Mean 0.06931
Std Dev 0.3698
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

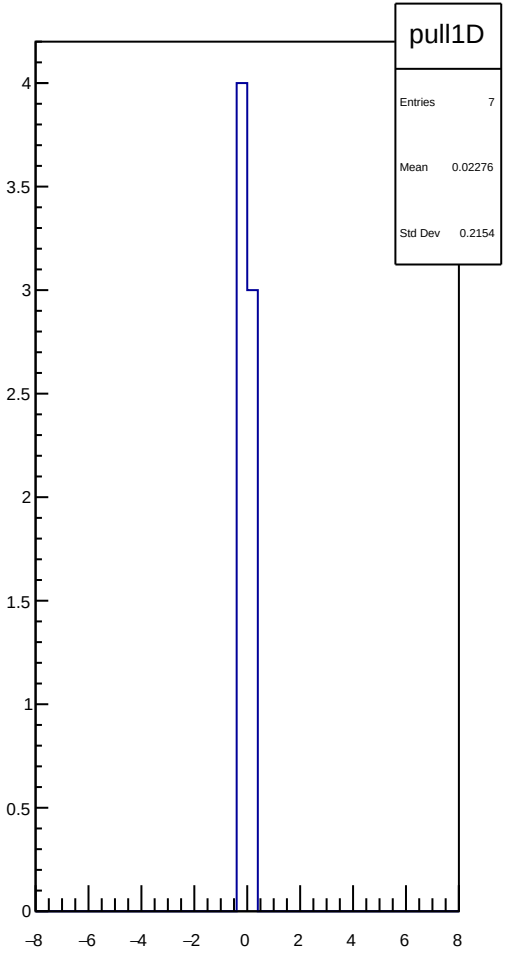

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3033 / 6
p0 −176.8 ± 16.34
−120
−140
−160
−180
−200
−220
−240
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.248
Std Dev 6.368
0.2
0.1
0
−0.1
−0.2
−0.3

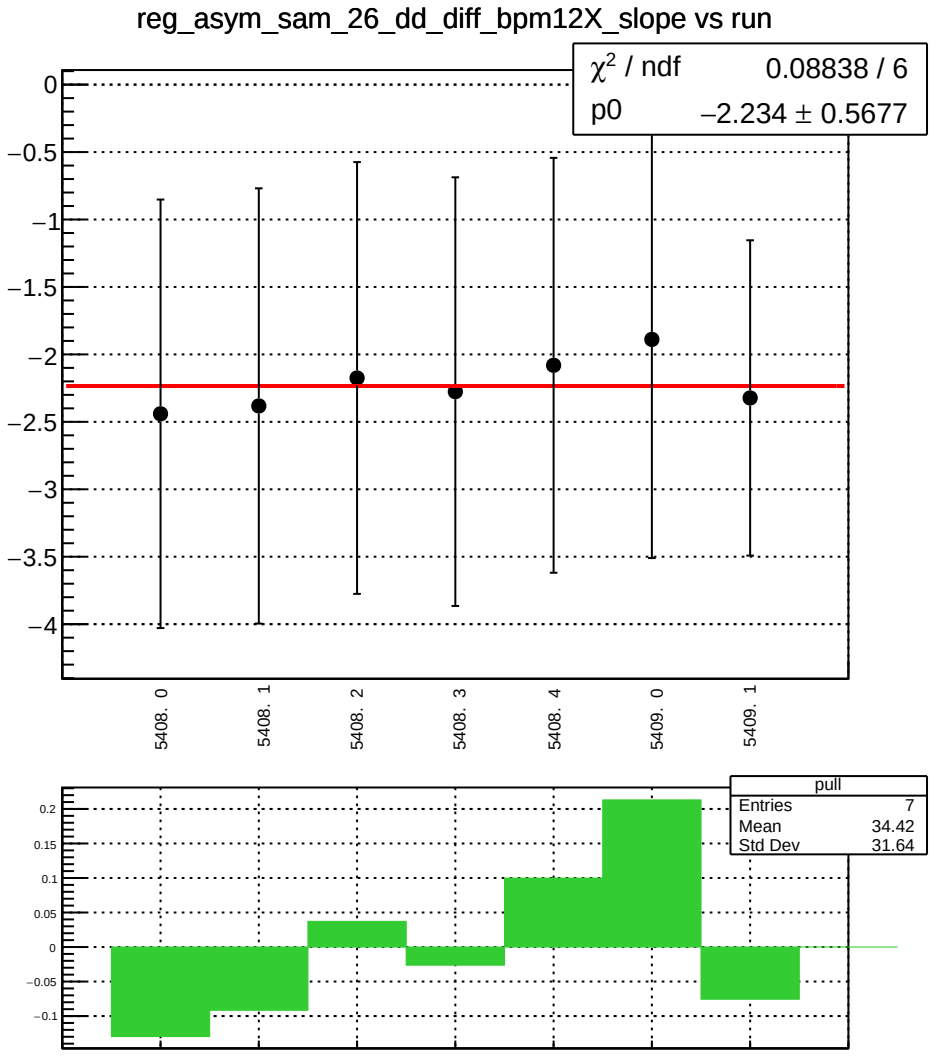

pull1D
Entries 7
Mean −0.02297
Std Dev 0.2069
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

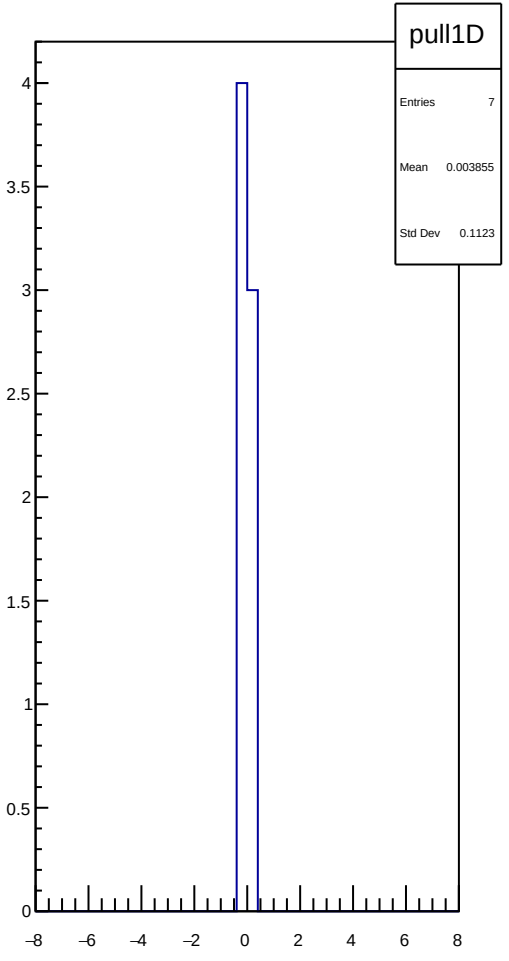

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8611 / 6
p0 −12.9 ± 17.55
40
20
0
−20
−40
−60
−80
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.748
Std Dev 5.212
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

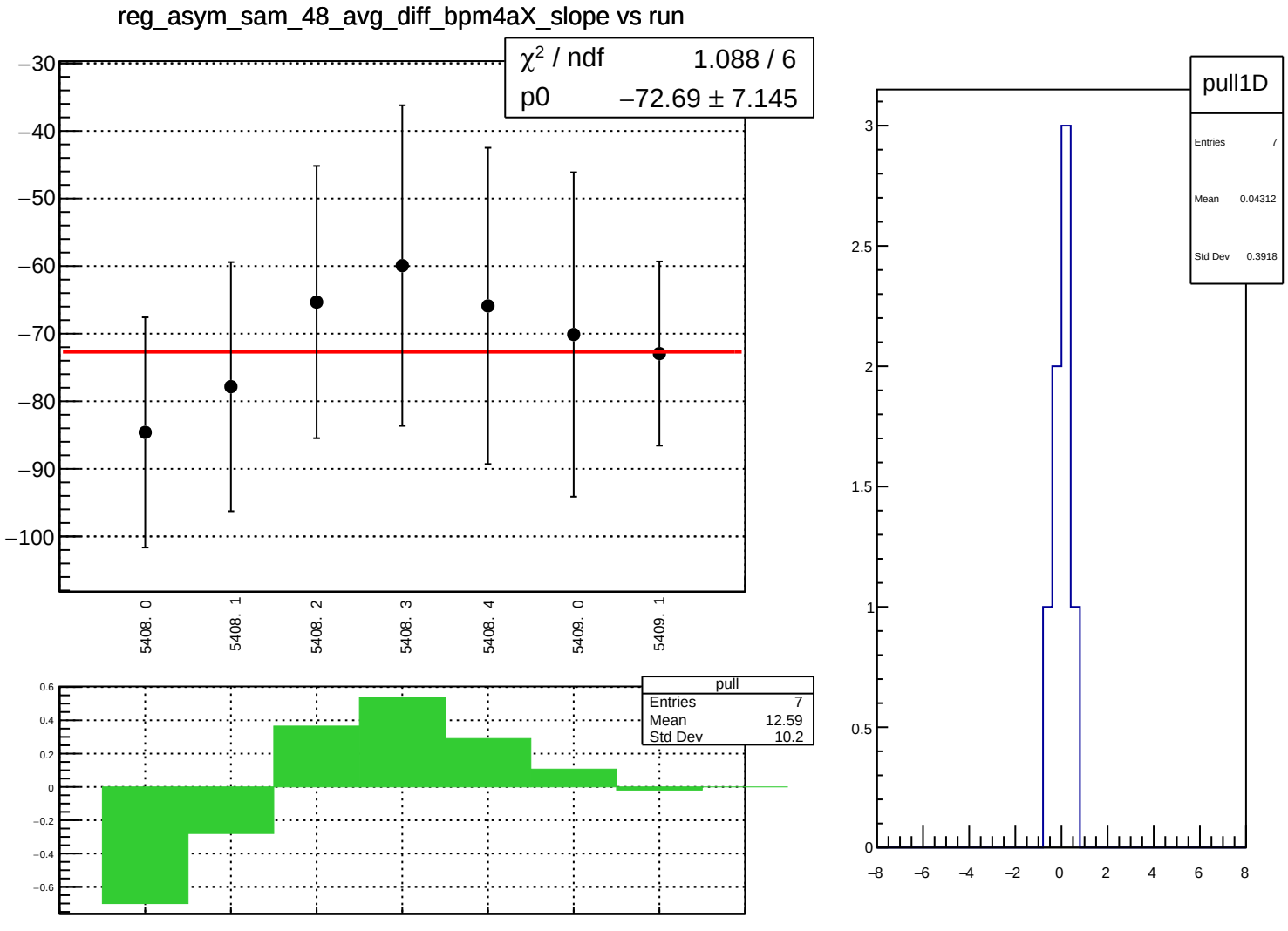

pull1D
Entries 7
Mean −0.06515
Std Dev 0.3446
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

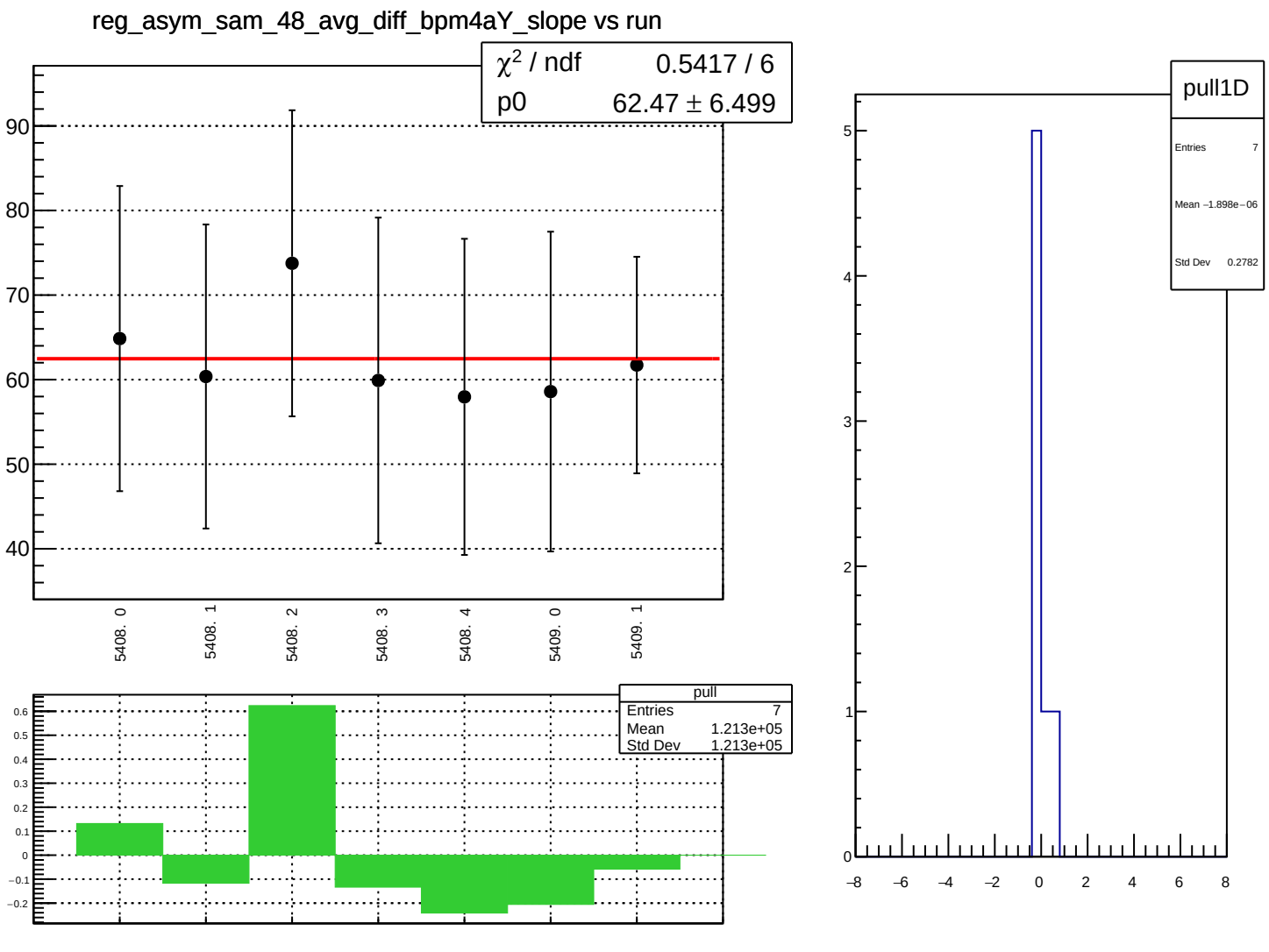

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.3283 / 6
p0 29.02 ± 18.76
100
80
60
40
20
0
−20
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.18
Std Dev 7.995
0.3
0.2
0.1
0
−0.1
−0.2

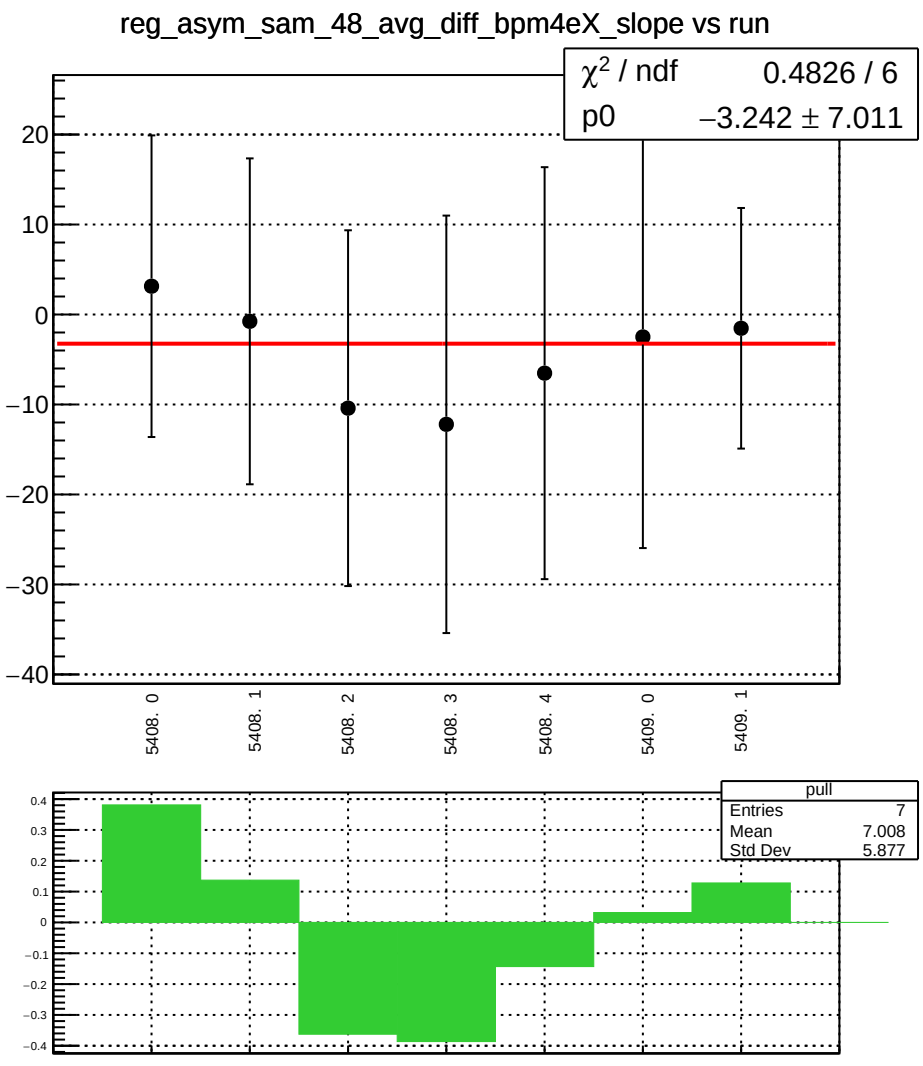

pull1D
Entries 7
Mean 0.02276
Std Dev 0.2154
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

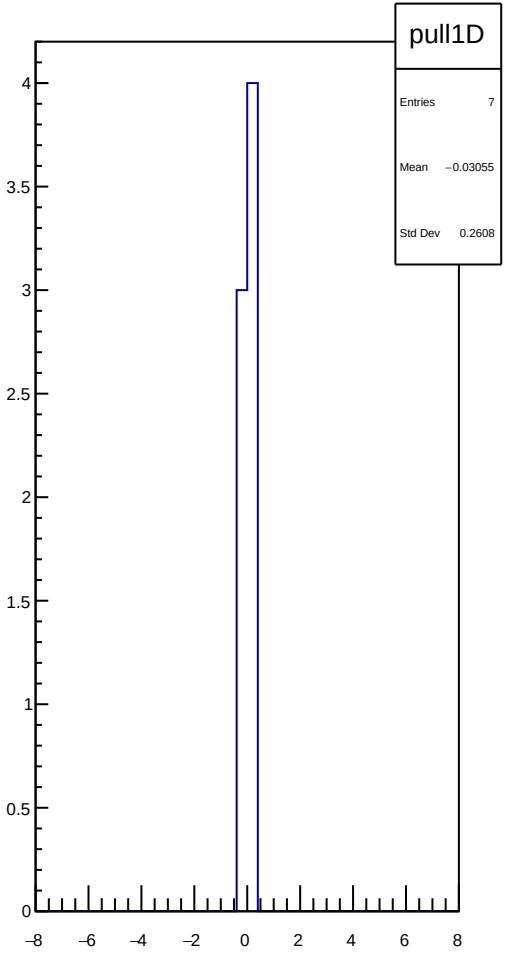

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.08838 / 6
p0 −2.234 ± 0.5677
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 34.42
Std Dev 31.64
0.2
0.15
0.1
0.05
0
−0.05
−0.1

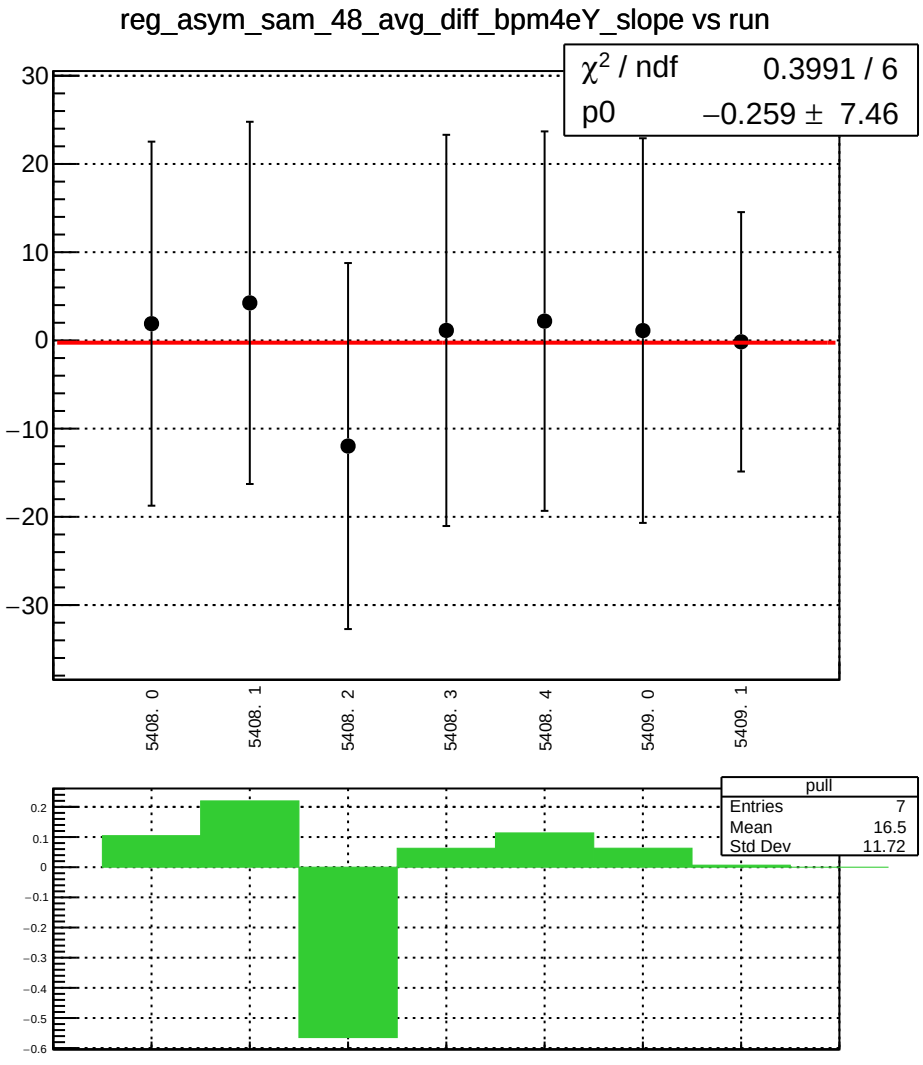

pull1D
Entries 7
Mean 0.003855
Std Dev 0.1123
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

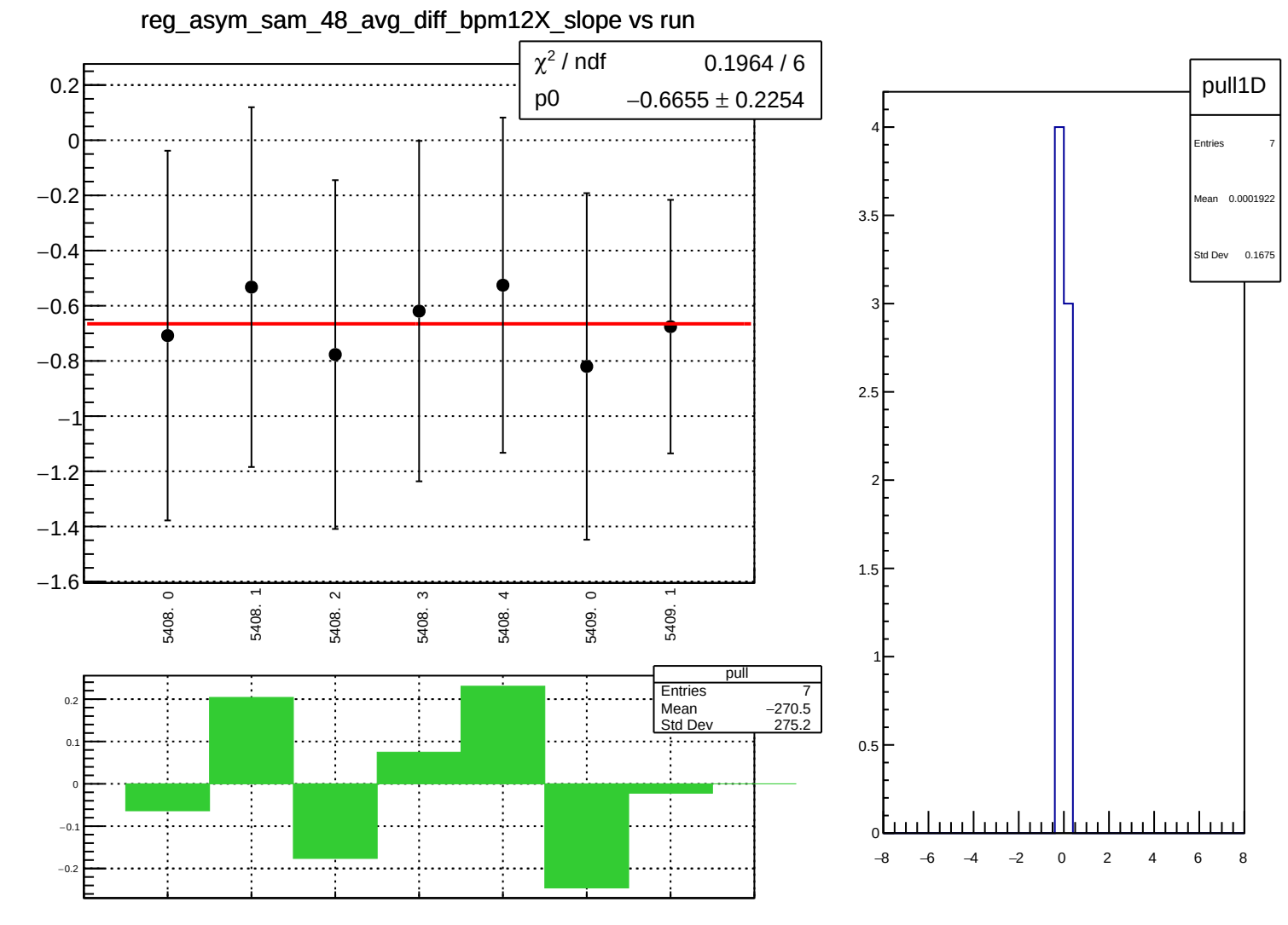

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.088 / 6
p0 −72.69 ± 7.145
−30
−40
−50
−60
−70
−80
−90
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.59
Std Dev 10.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 7
Mean 0.04312
Std Dev 0.3918
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

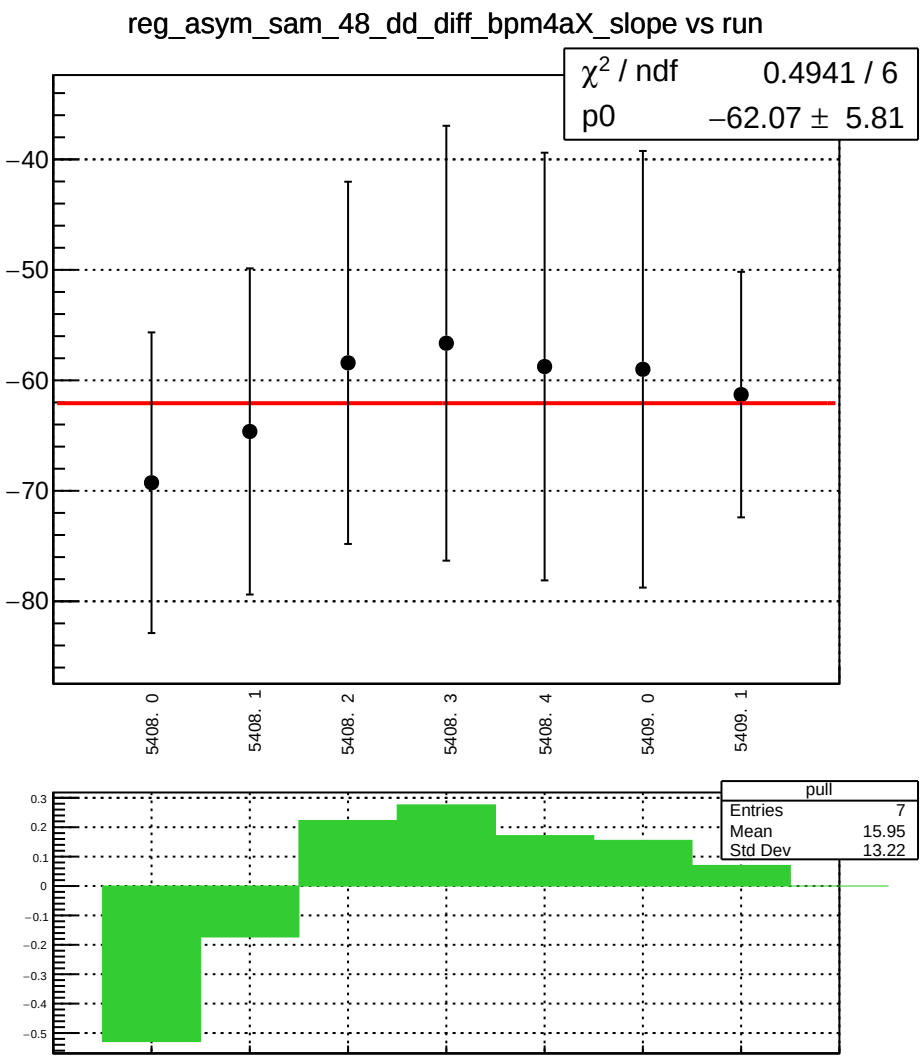

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.5417 / 6
p0 62.47 ± 6.499
90
80
70
60
50
40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 1.213e+05
Std Dev 1.213e+05
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean −1.898e−06
Std Dev 0.2782
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

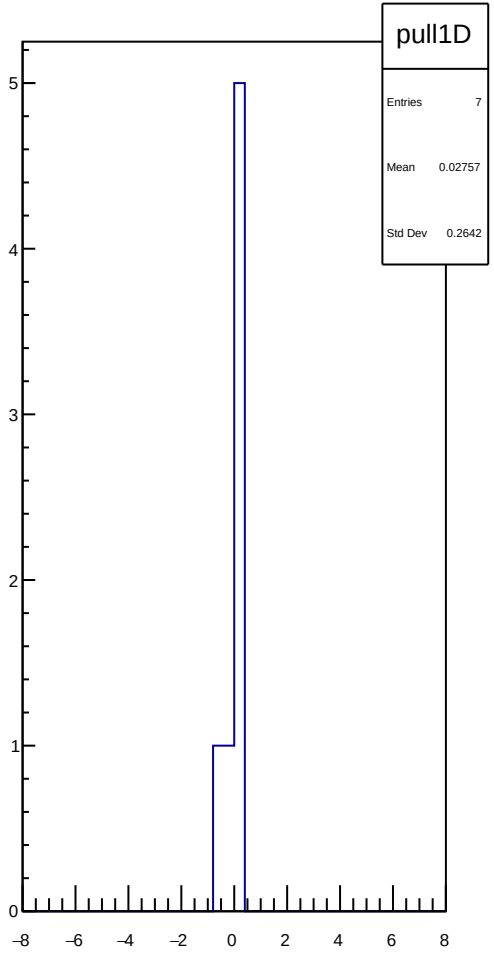

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.4826 / 6
p0 −3.242 ± 7.011
20
10
0
−10
−20
−30
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.008
Std Dev 5.877
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

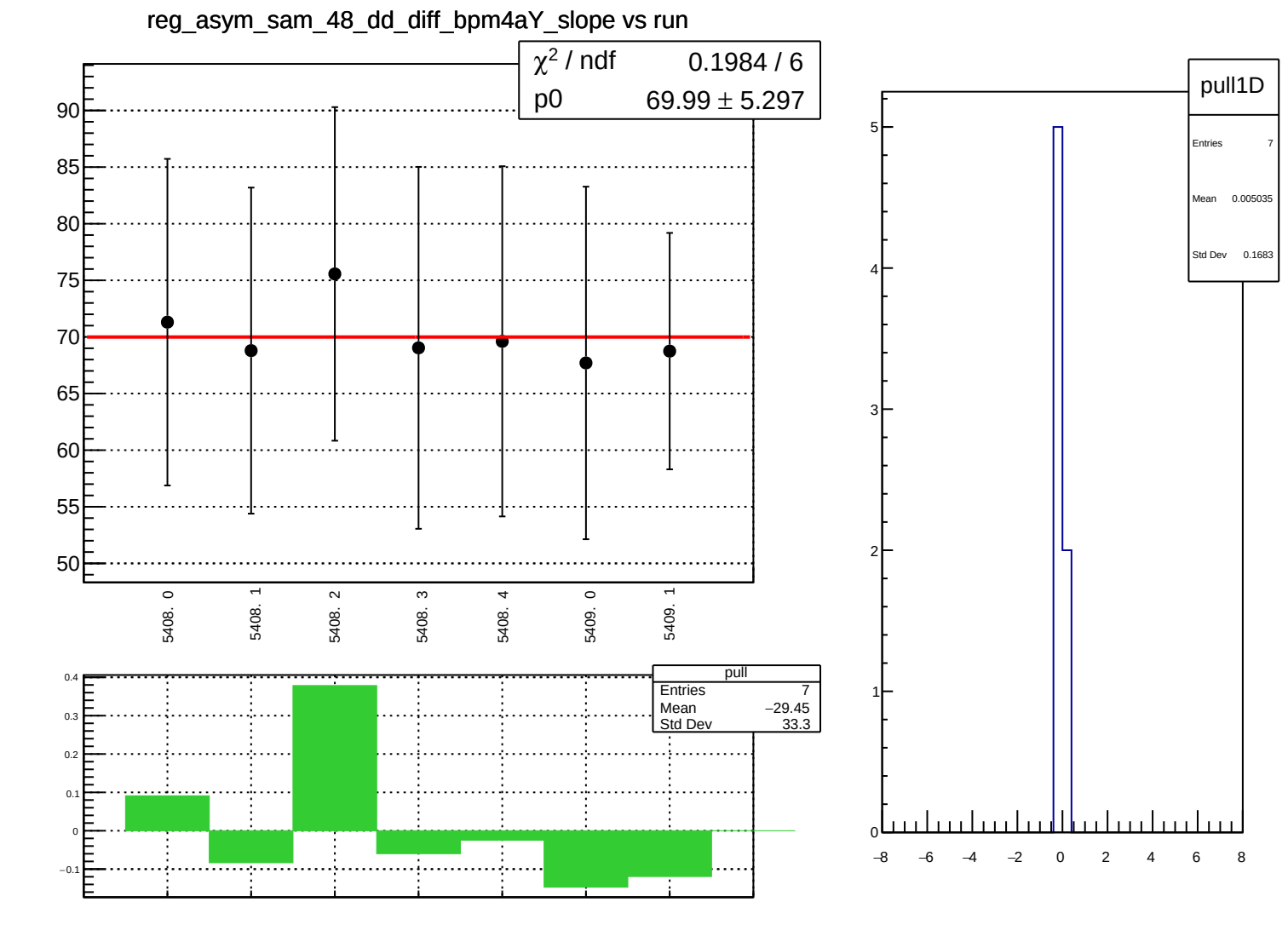

pull1D
Entries 7
Mean −0.03055
Std Dev 0.2608
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

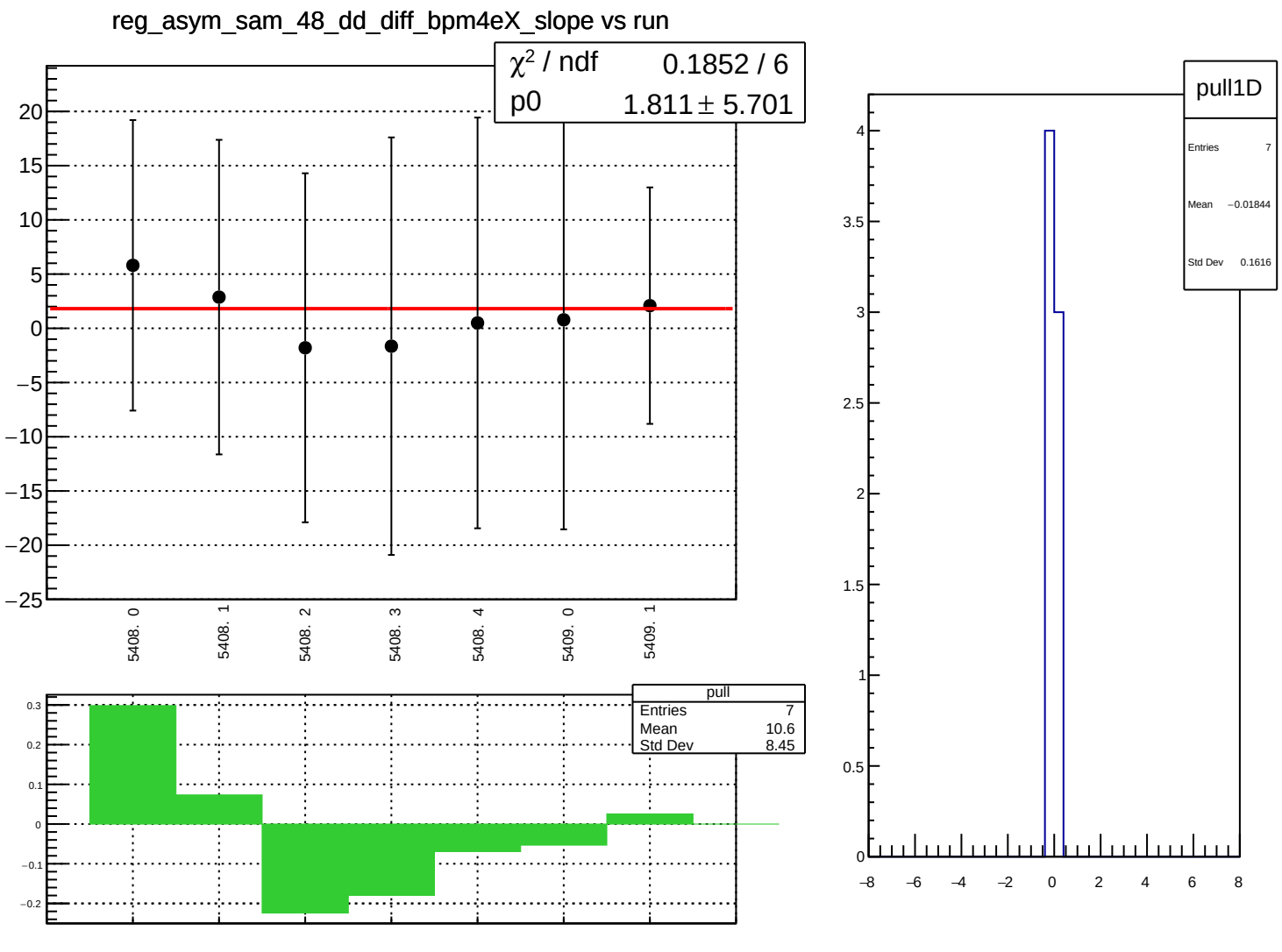

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.3991 / 6
p0 −0.259 ± 7.46
30
20
10
0
−10
−20
−30
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 16.5
Std Dev 11.72
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 7
Mean 0.0007836
Std Dev 0.2388
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

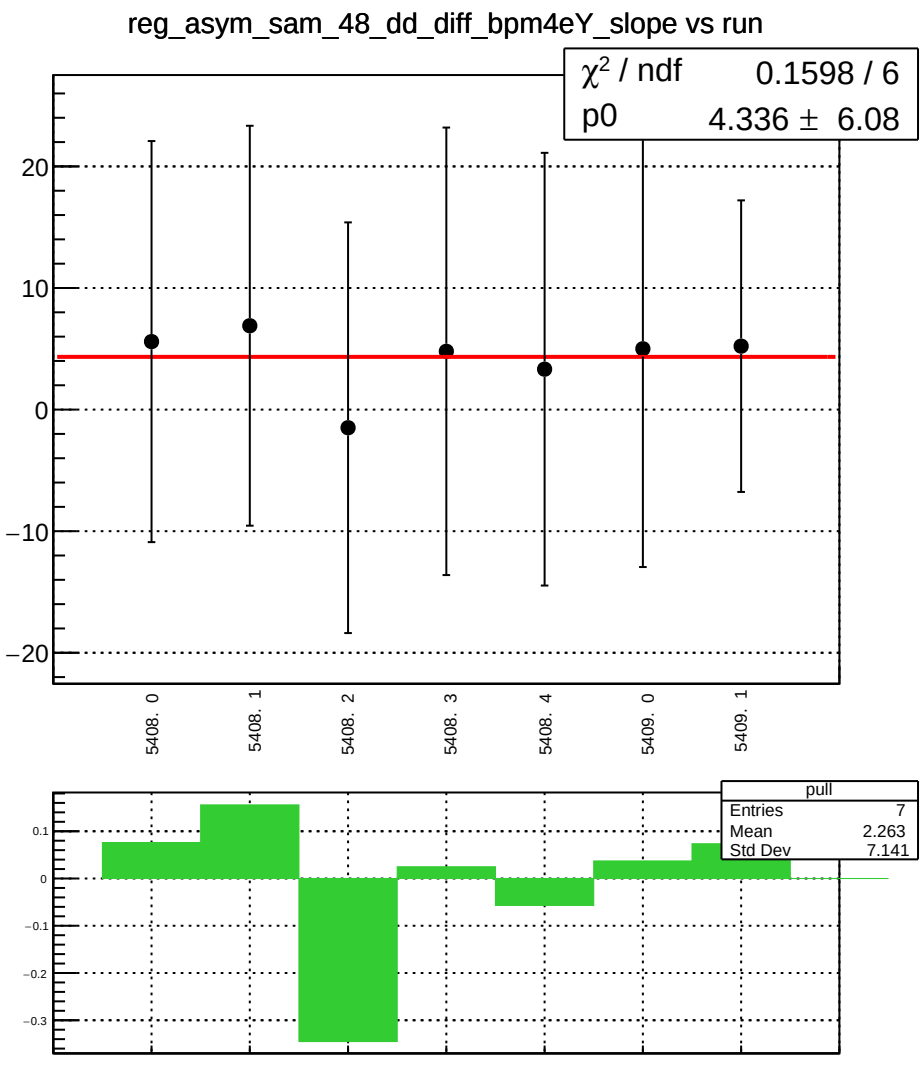

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 0.1964 / 6
p0 −0.6655 ± 0.2254
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −270.5
Std Dev 275.2
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean 0.0001922
Std Dev 0.1675
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

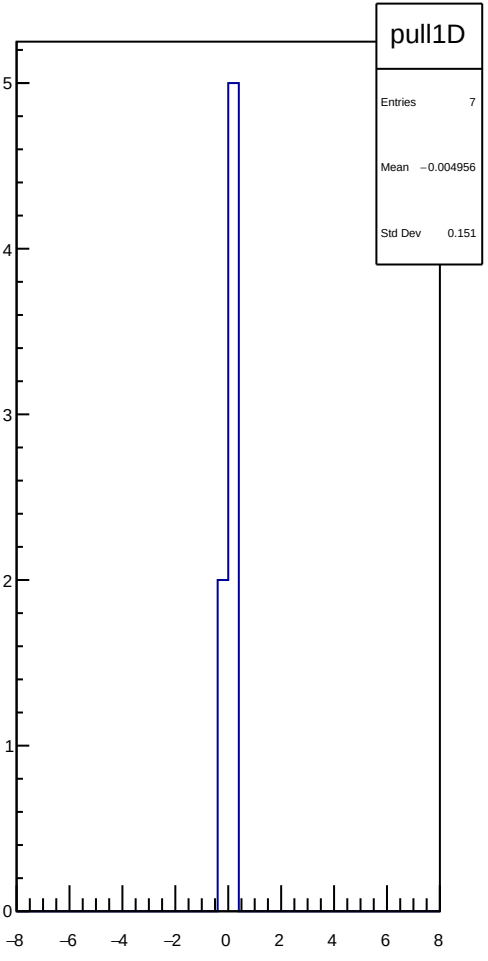

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4941 / 6
p0 −62.07 ± 5.81
−40
−50
−60
−70
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 15.95
Std Dev 13.22
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

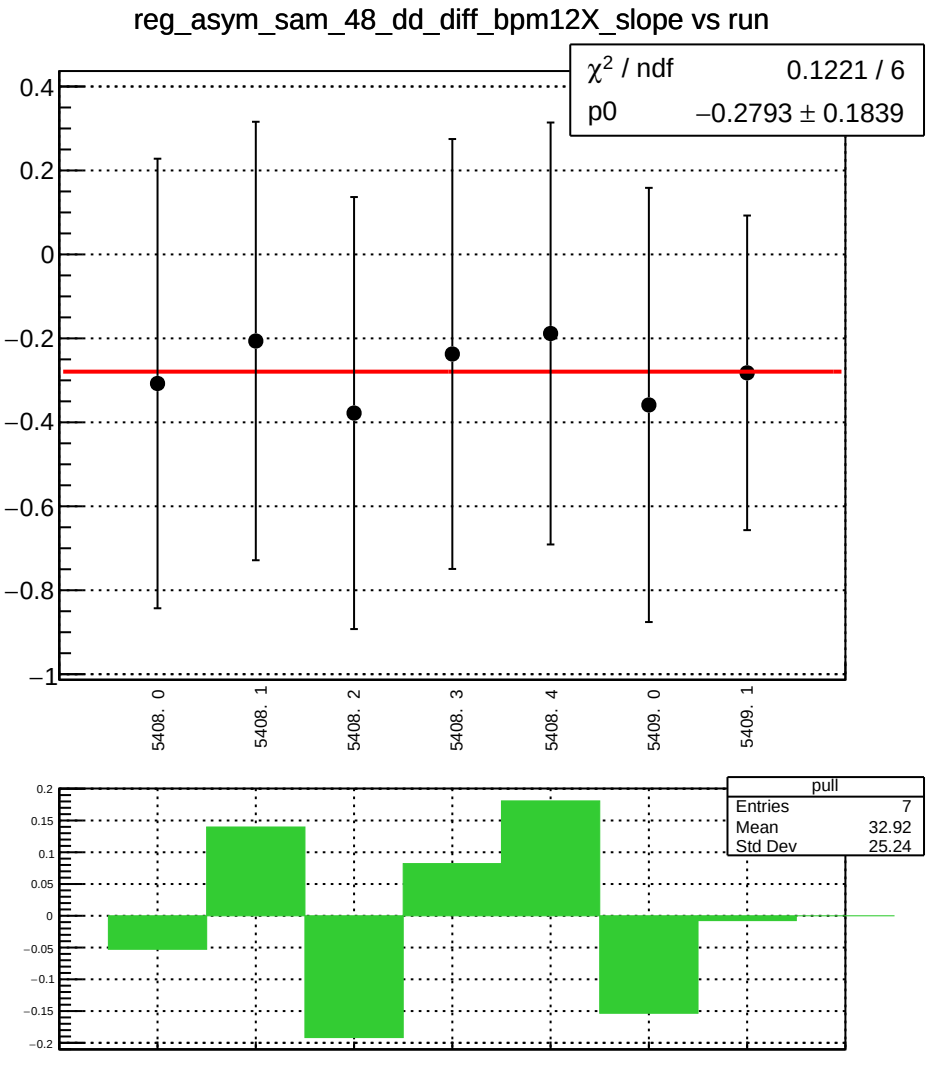

pull1D
Entries 7
Mean 0.02757
Std Dev 0.2642
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

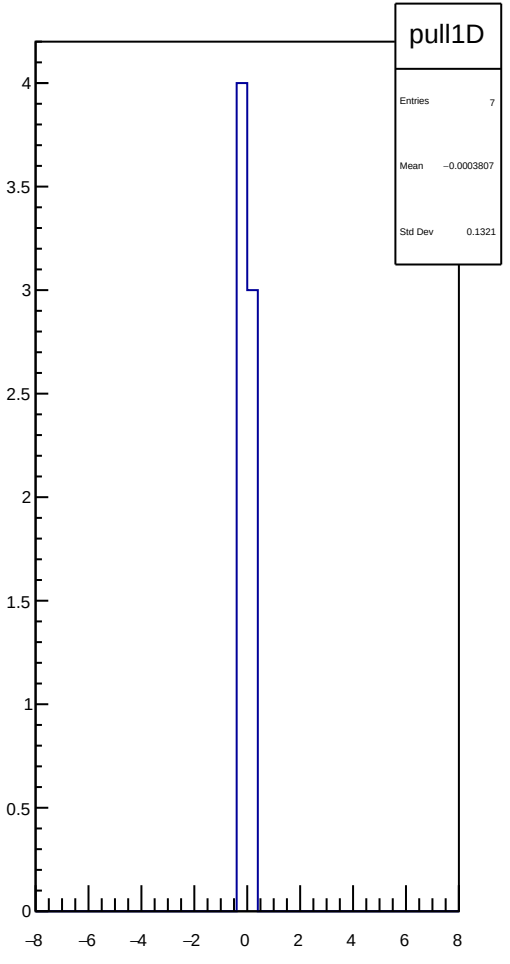

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.1984 / 6
p0 69.99 ± 5.297
90
85
80
75
70
65
60
55
50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −29.45
Std Dev 33.3
0.4
0.3
0.2
0.1
0
−0.1
pull1D
Entries 7
Mean 0.005035
Std Dev 0.1683
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

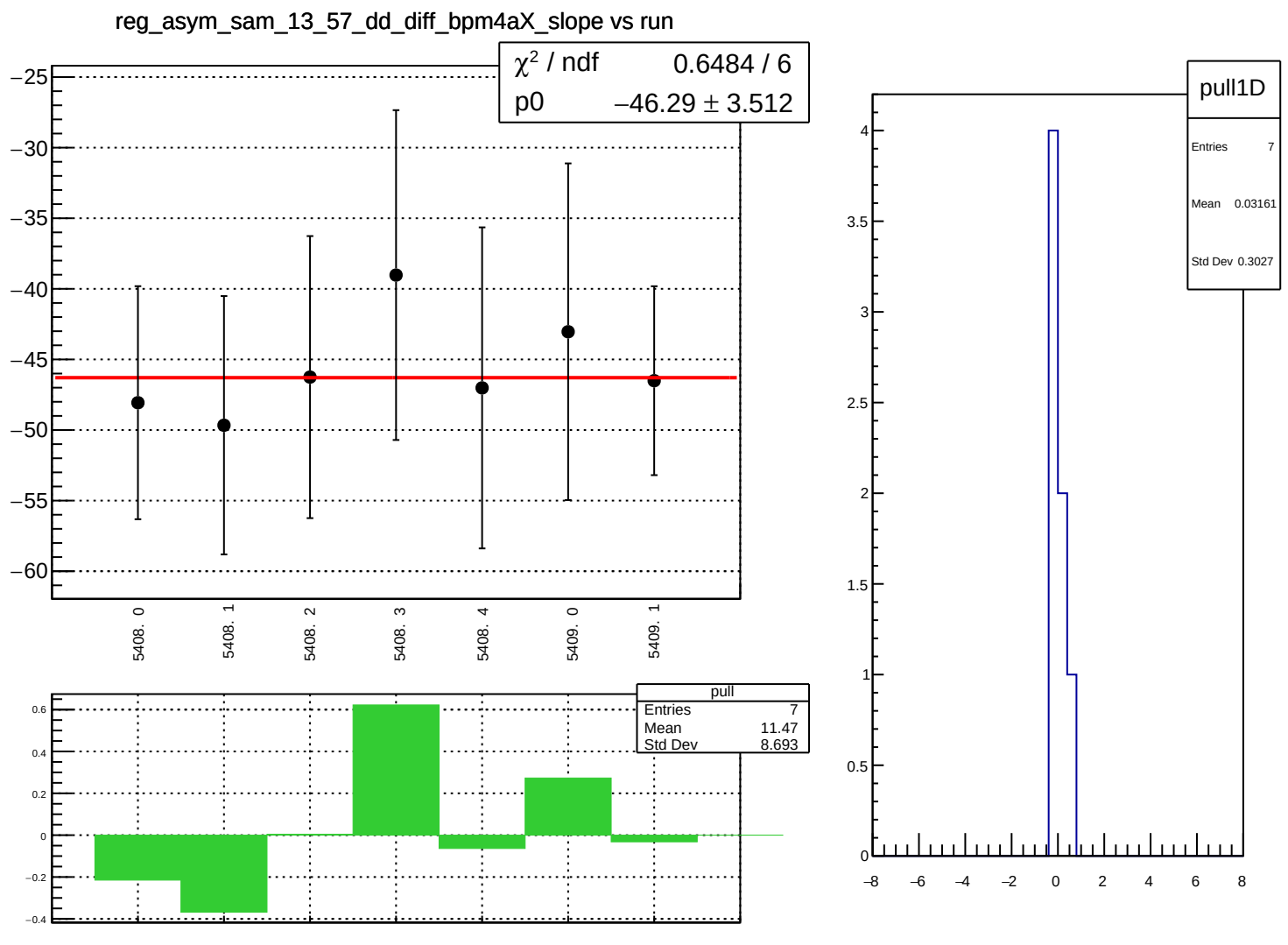

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.1852 / 6
p0 1.811 ± 5.701
20
15
10
5
0
−5
−10
−15
−20
−25
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.6
Std Dev 8.45
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean −0.01844
Std Dev 0.1616
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

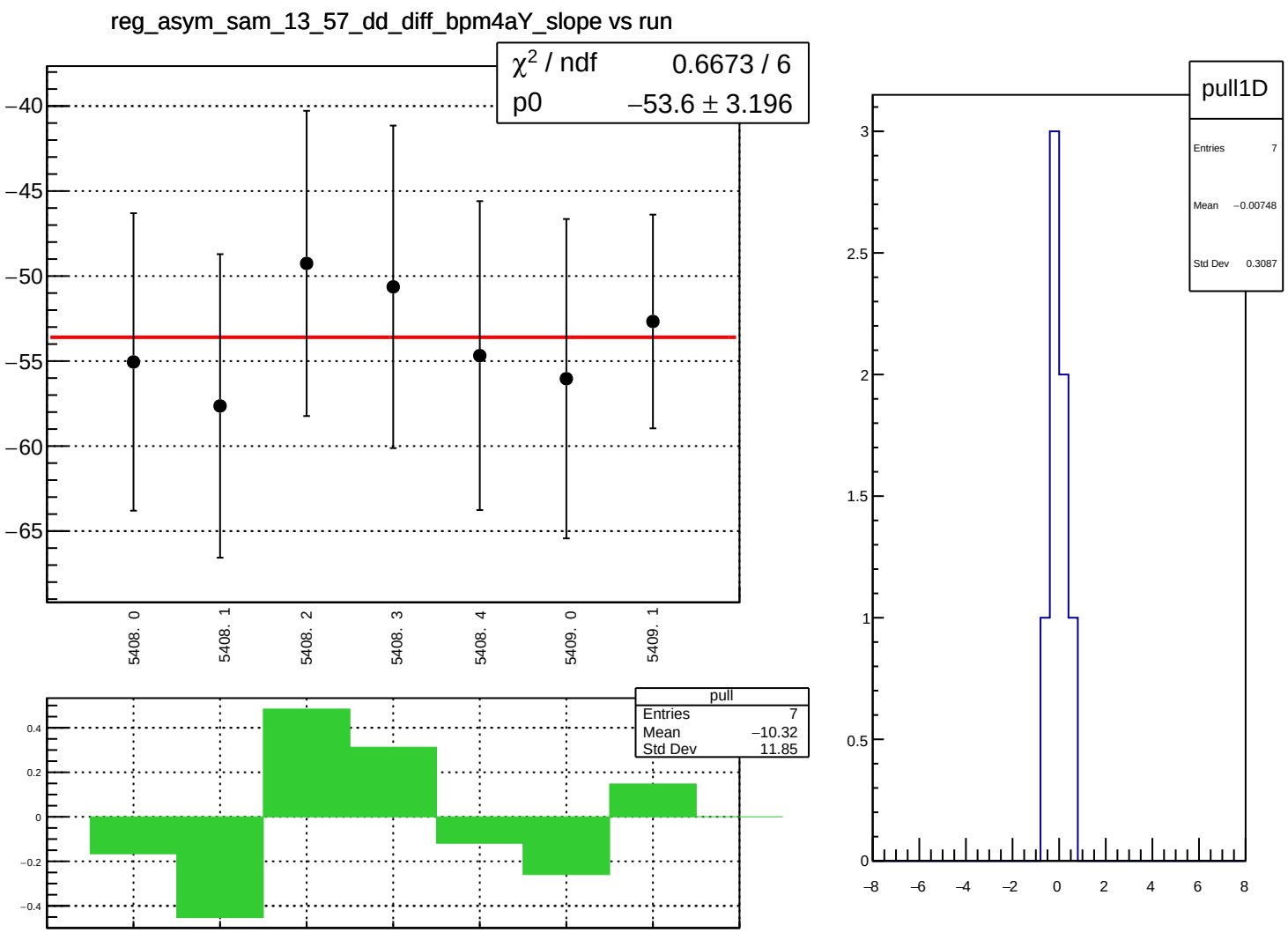

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.1598 / 6
p0 4.336 ± 6.08
20
10
0
−10
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 2.263
Std Dev 7.141
0.1
0
−0.1
−0.2
−0.3

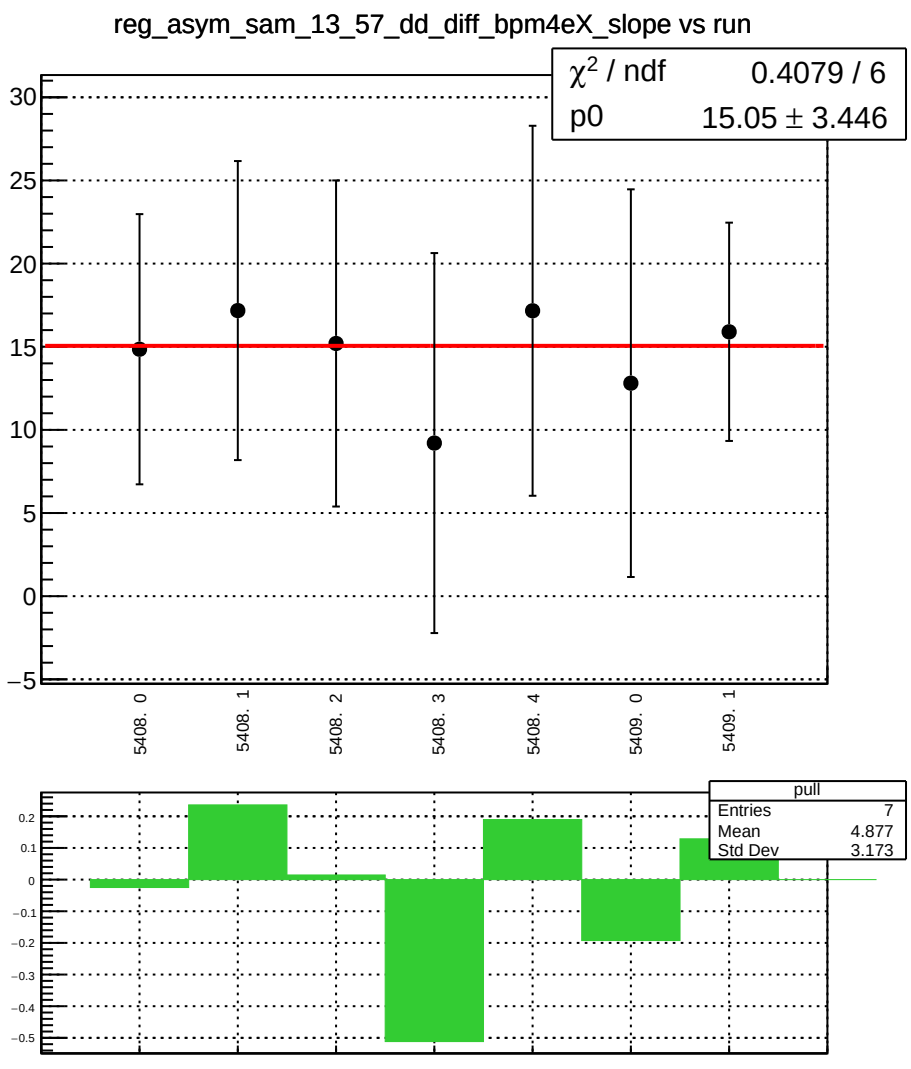

pull1D
Entries 7
Mean −0.004956
Std Dev 0.151
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

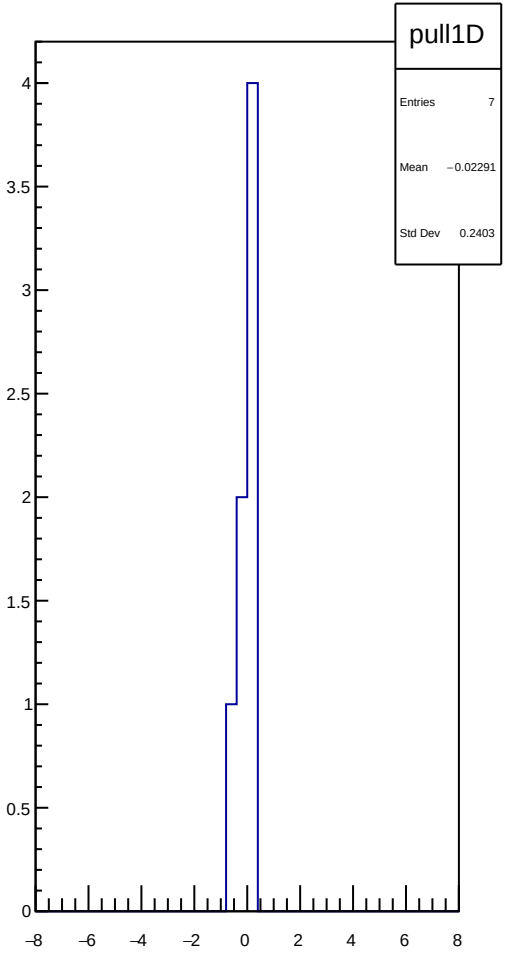

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.1221 / 6
p0 −0.2793 ± 0.1839
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 32.92
Std Dev 25.24
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2

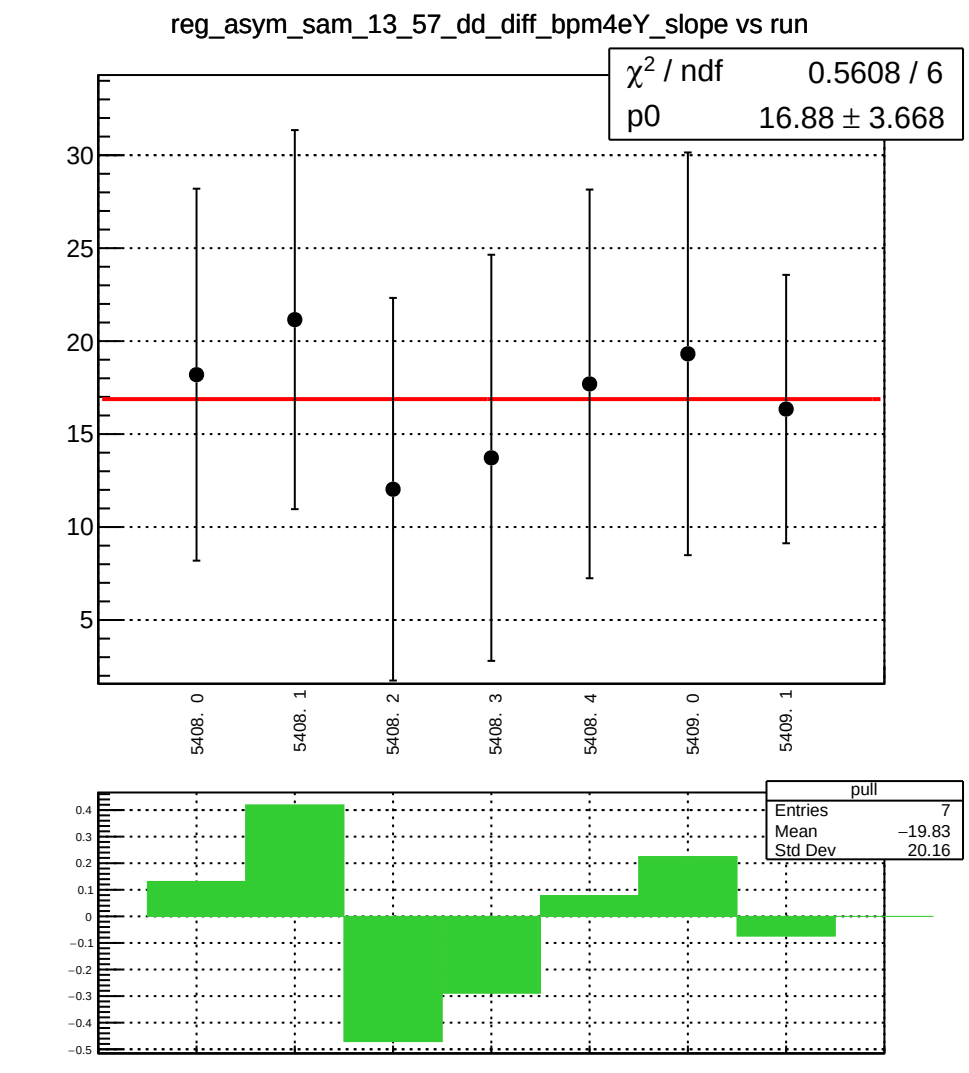

pull1D
Entries 7
Mean −0.0003807
Std Dev 0.1321
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

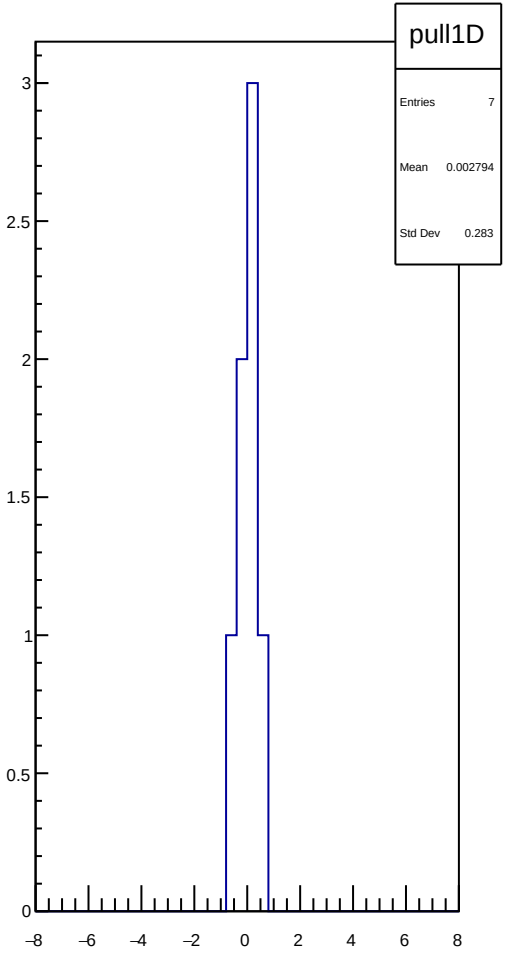

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.6484 / 6
p0 −46.29 ± 3.512
−25
−30
−35
−40
−45
−50
−55
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 11.47
Std Dev 8.693
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean 0.03161
Std Dev 0.3027
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

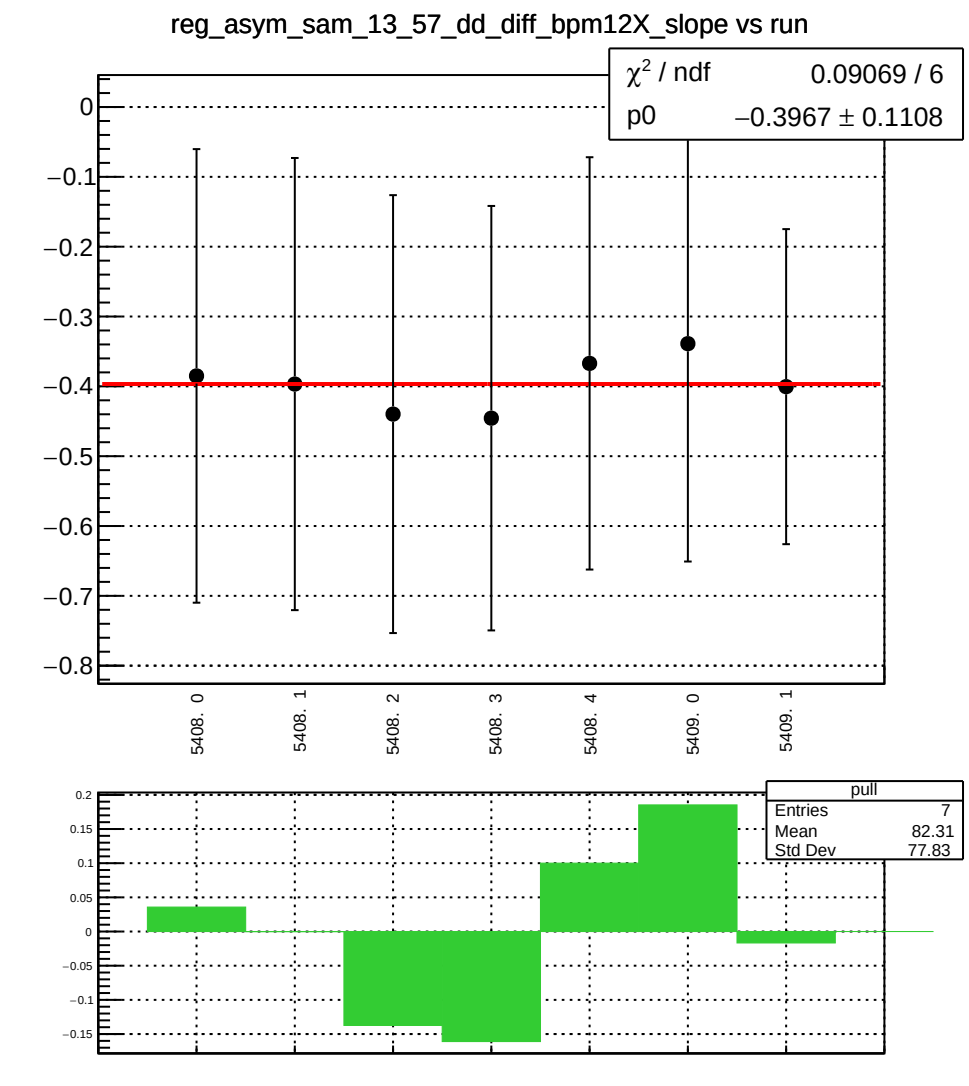

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.6673 / 6
p0 −53.6 ± 3.196
−40
−45
−50
−55
−60
−65
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −10.32
Std Dev 11.85
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean −0.00748
Std Dev 0.3087
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

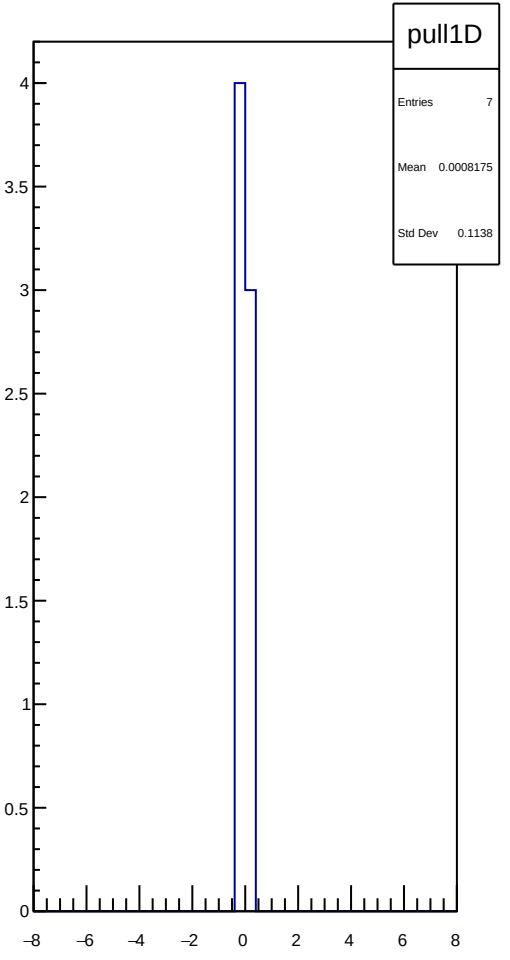

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.4079 / 6
p0 15.05 ± 3.446
30
25
20
15
10
5
0
−5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.877
Std Dev 3.173
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

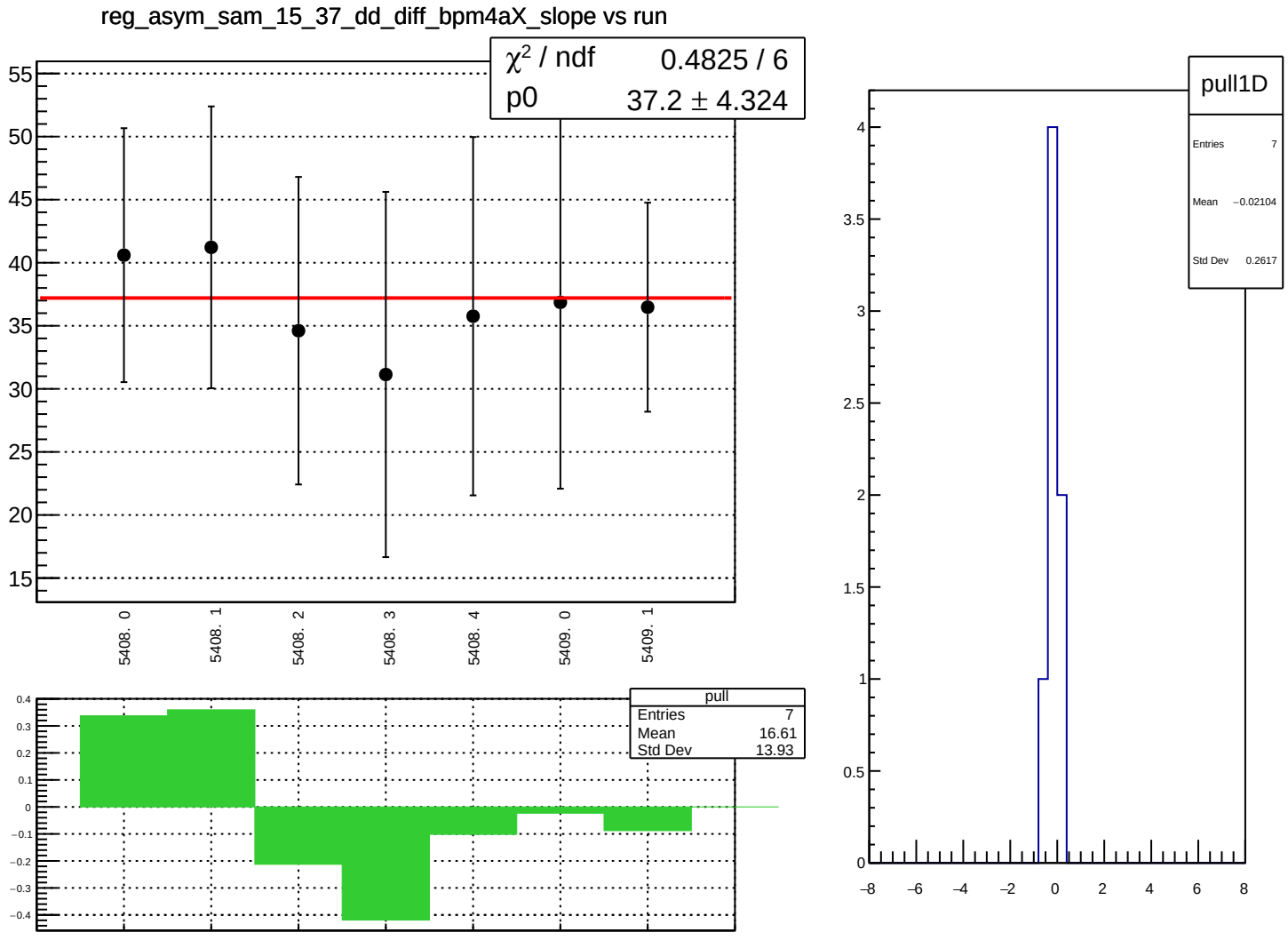

pull1D
Entries 7
Mean −0.02291
Std Dev 0.2403
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

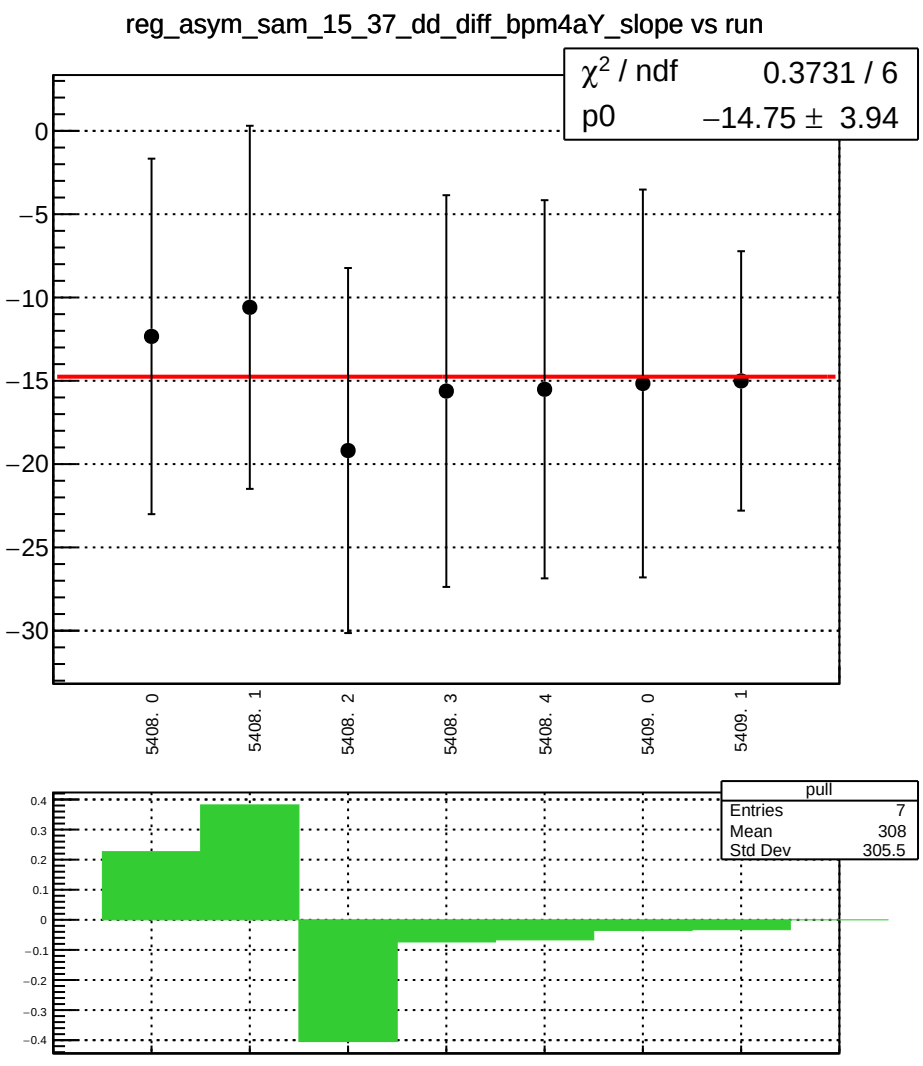

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.5608 / 6
p0 16.88 ± 3.668
30
25
20
15
10
5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −19.83
Std Dev 20.16
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

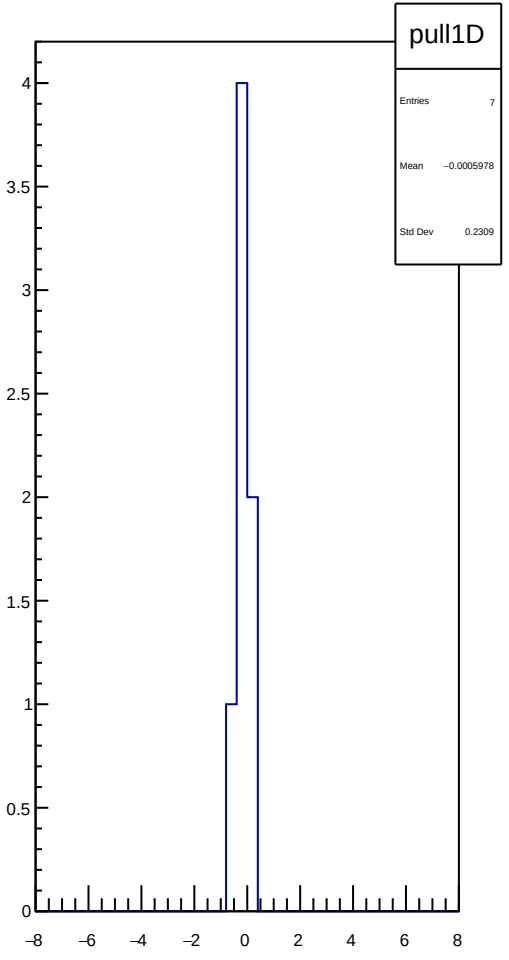

pull1D
Entries 7
Mean 0.002794
Std Dev 0.283
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

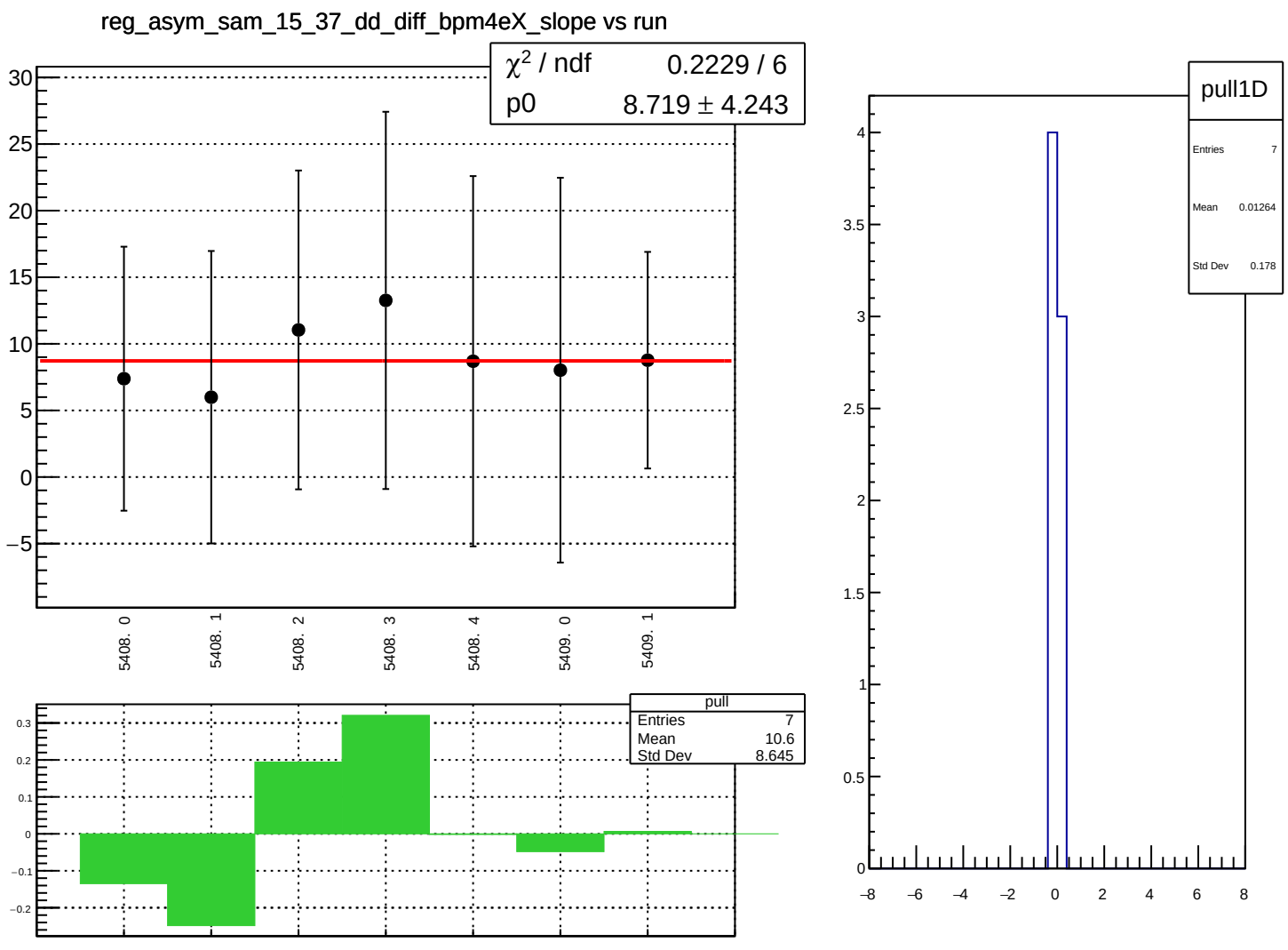

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 0.09069 / 6
p0 −0.3967 ± 0.1108
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 82.31
Std Dev 77.83
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15

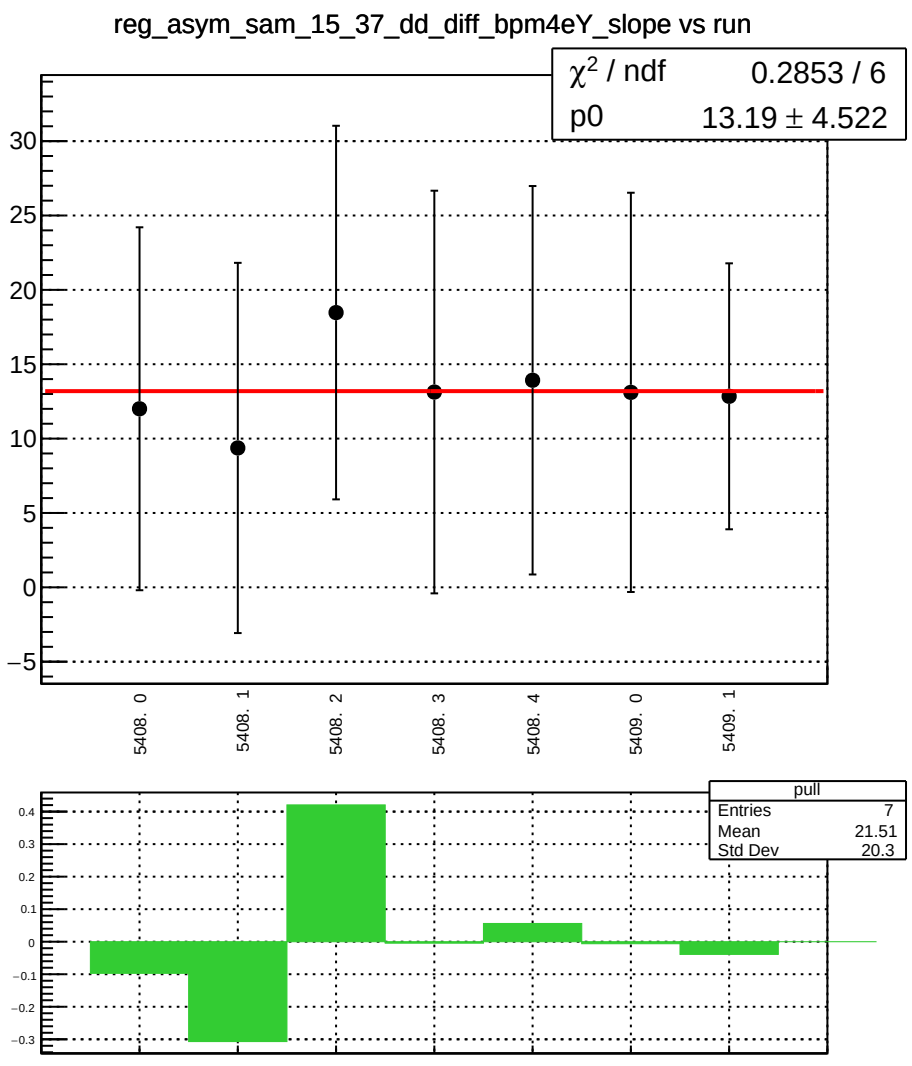

pull1D
Entries 7
Mean 0.0008175
Std Dev 0.1138
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

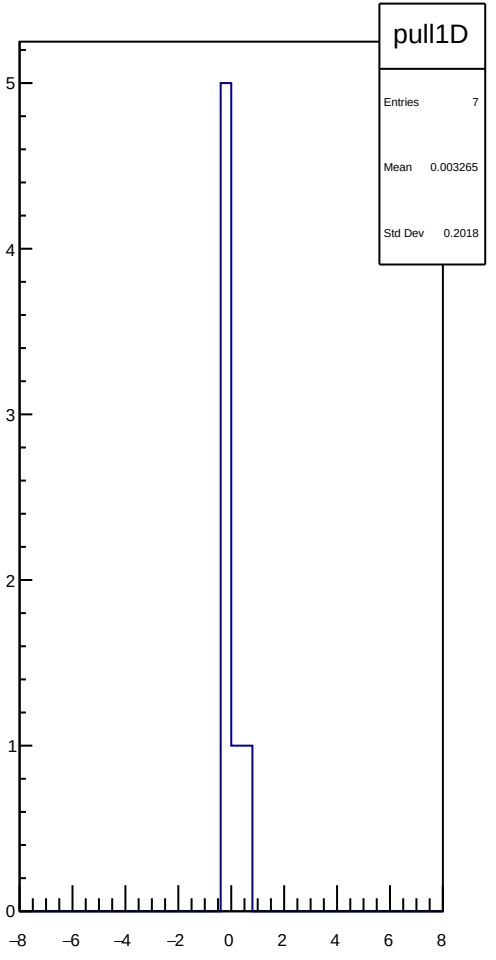

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4825 / 6
p0 37.2 ± 4.324
55
50
45
40
35
30
25
20
15
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 16.61
Std Dev 13.93
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 7
Mean −0.02104
Std Dev 0.2617
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

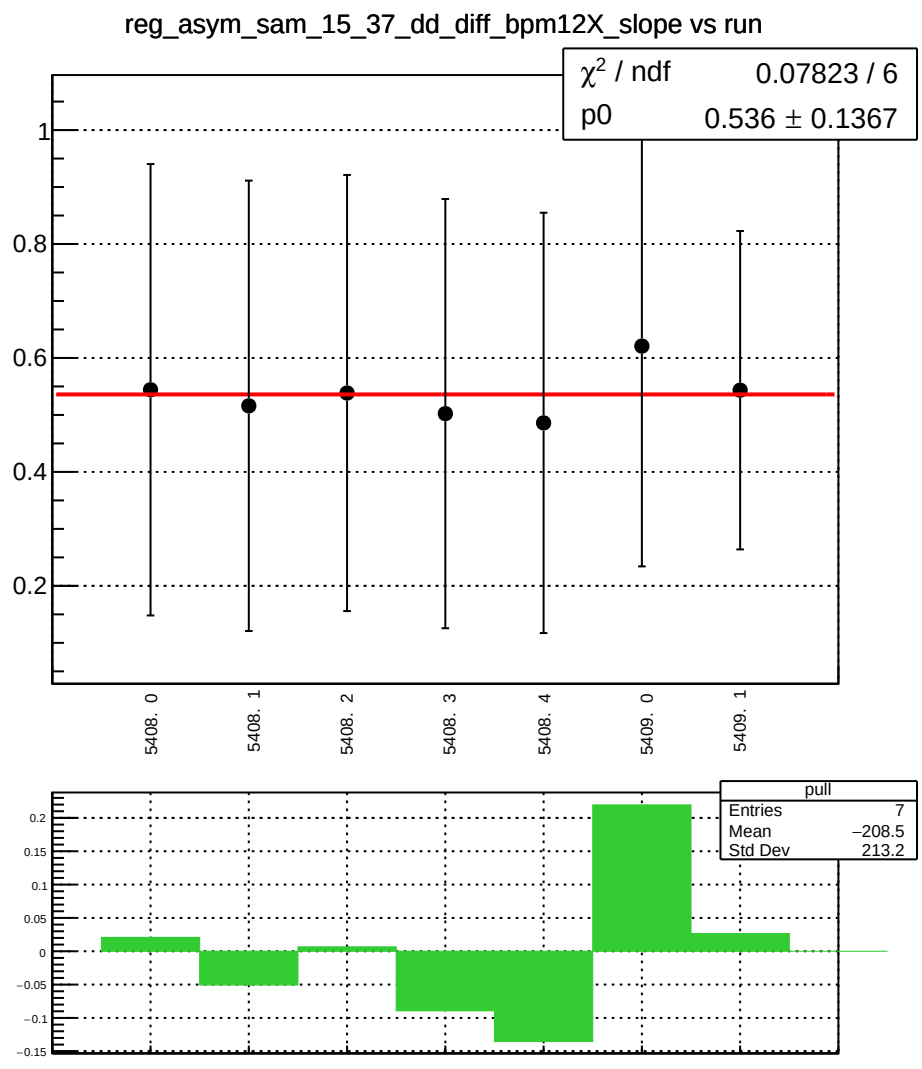

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3731 / 6
p0 −14.75 ± 3.94
0
−5
−10
−15
−20
−25
−30
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 308
Std Dev 305.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

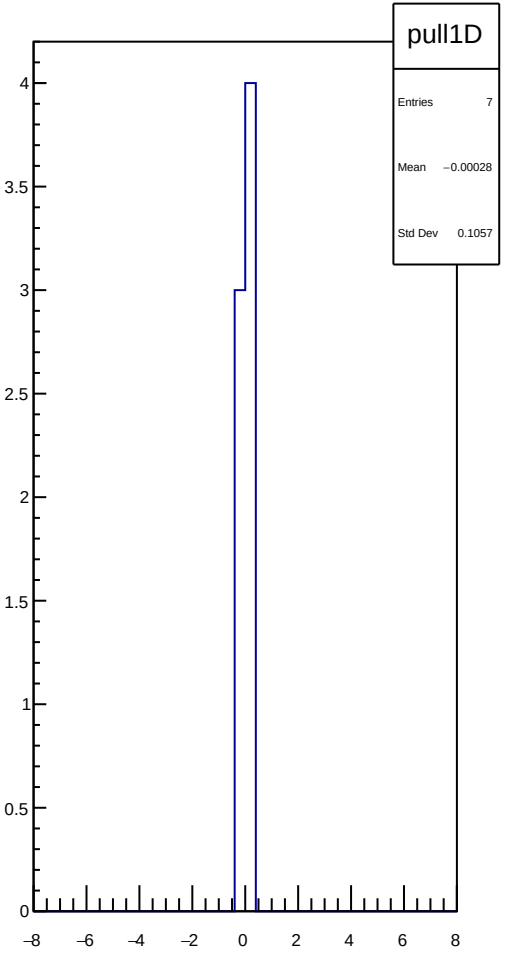

pull1D
Entries 7
Mean −0.0005978
Std Dev 0.2309
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

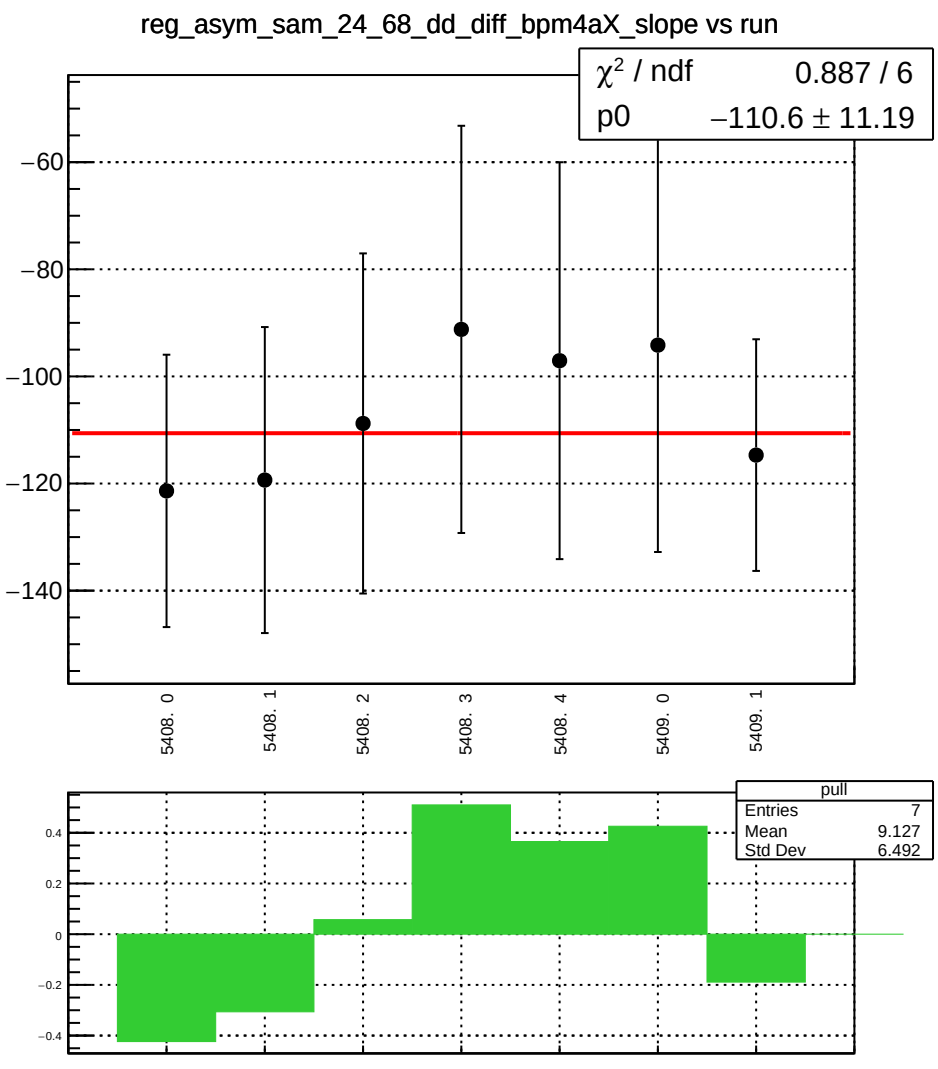

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.2229 / 6
p0 8.719 ± 4.243
30
25
20
15
10
5
0
−5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.6
Std Dev 8.645
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean 0.01264
Std Dev 0.178
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

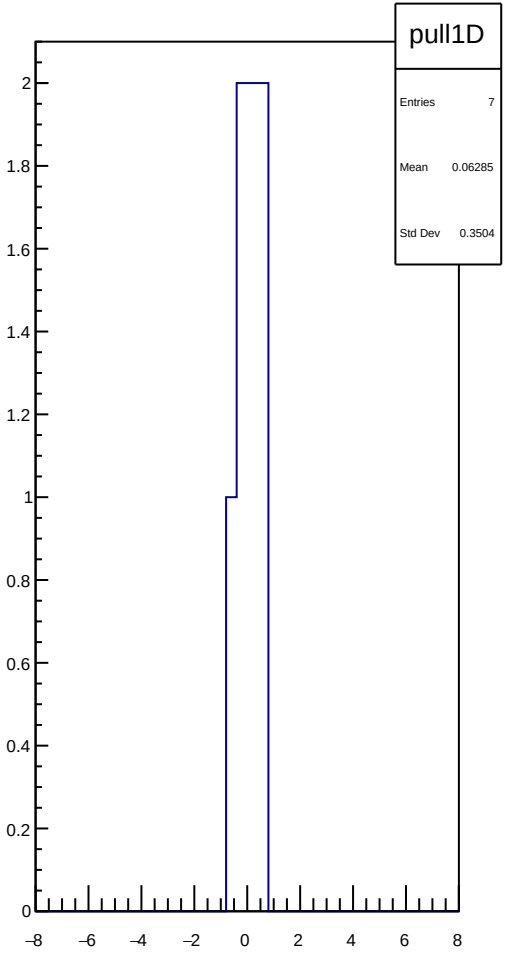

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.2853 / 6
p0 13.19 ± 4.522
30
25
20
15
10
5
0
−5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 21.51
Std Dev 20.3
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

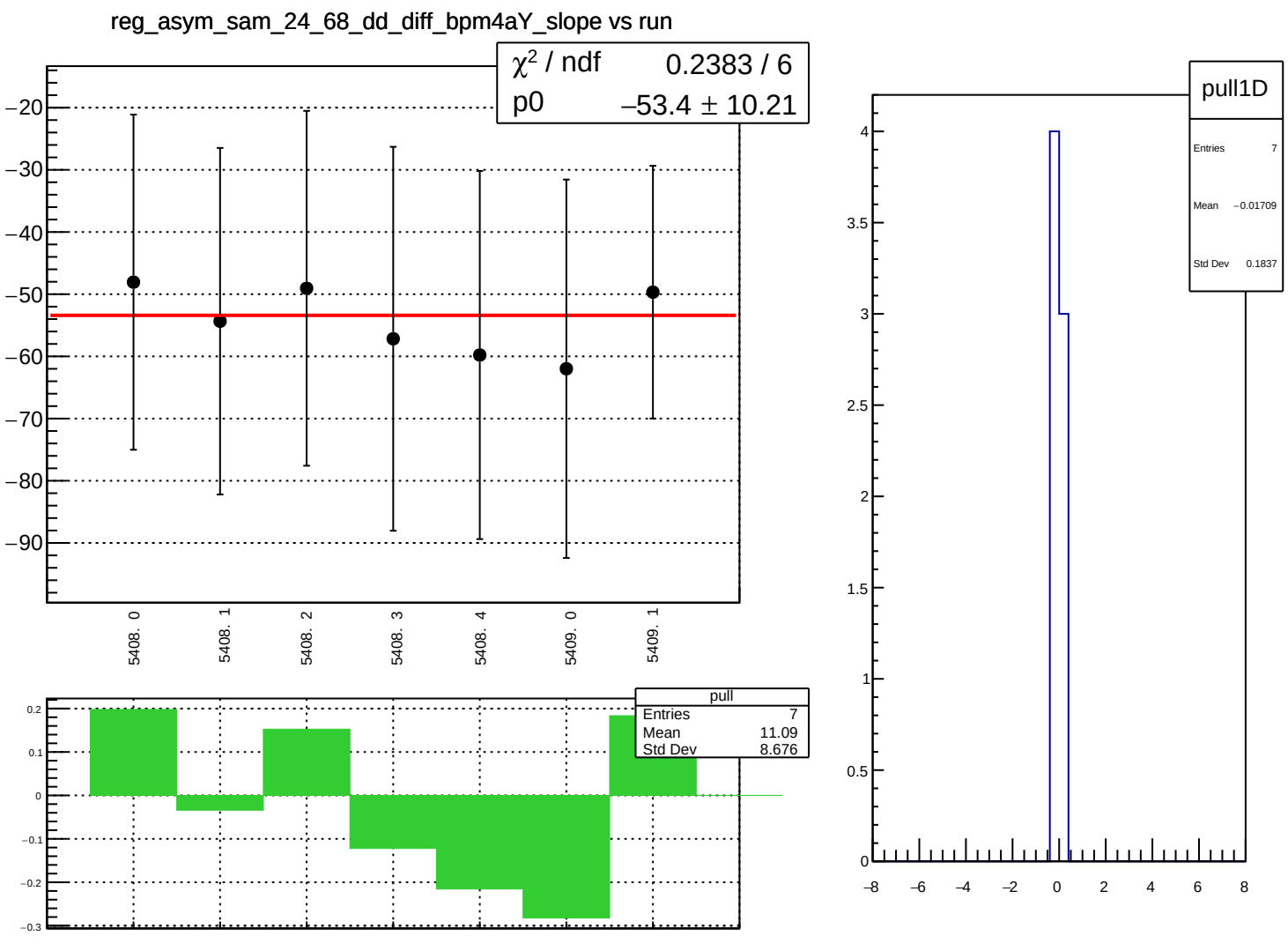

pull1D
Entries 7
Mean 0.003265
Std Dev 0.2018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

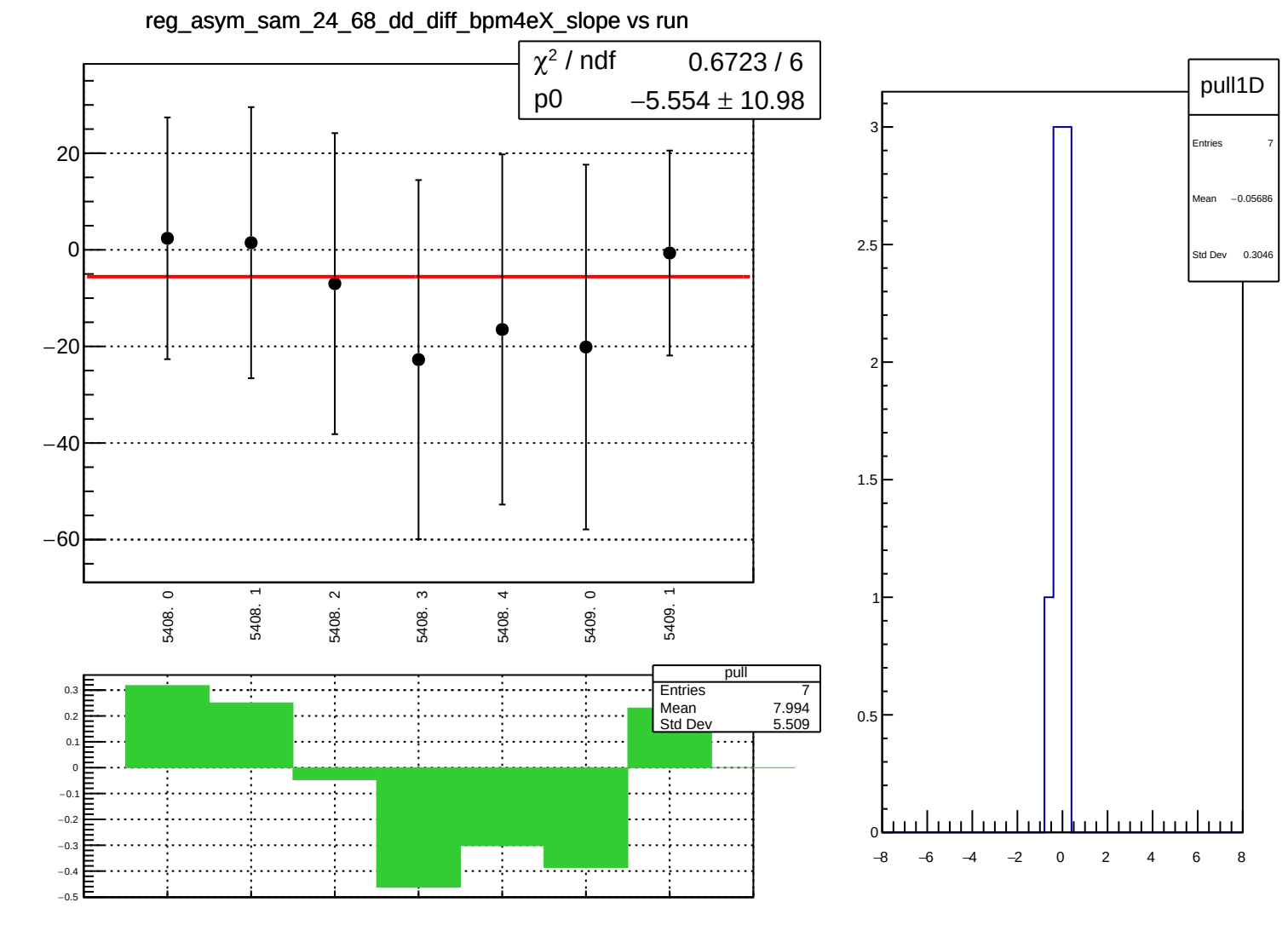

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.07823 / 6
p0 0.536 ± 0.1367
1
0.8
0.6
0.4
0.2
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −208.5
Std Dev 213.2
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15

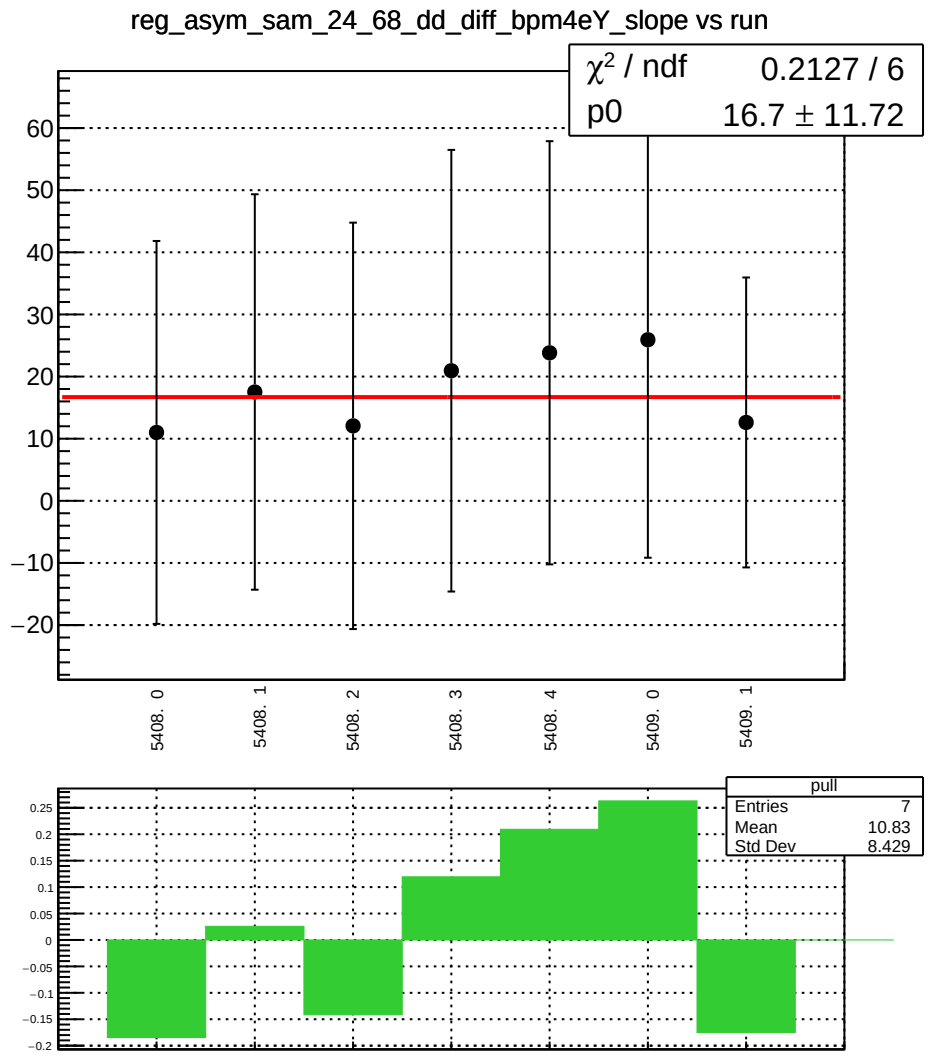

pull1D
Entries 7
Mean −0.00028
Std Dev 0.1057
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

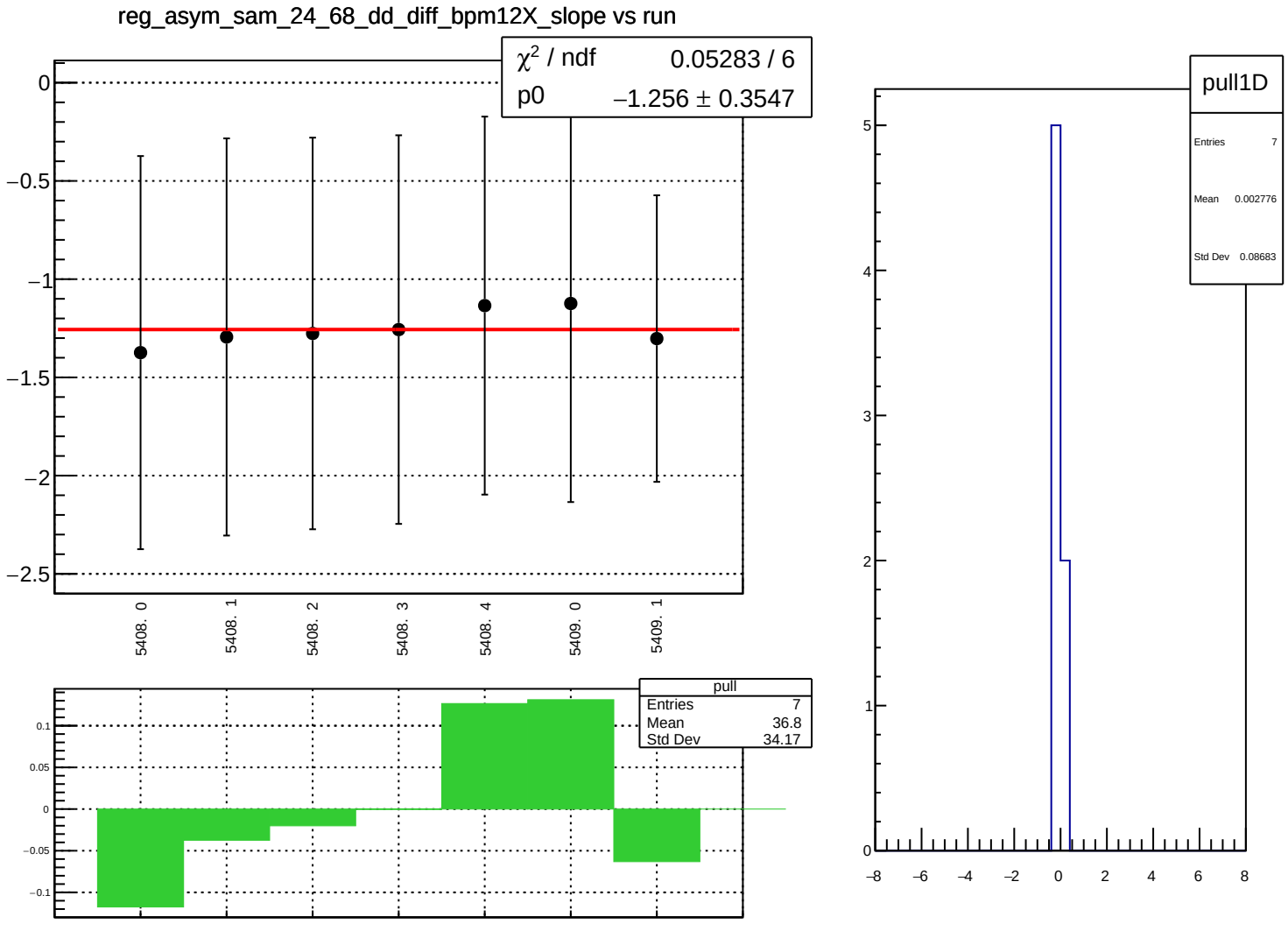

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.887 / 6
p0 −110.6 ± 11.19
−60
−80
−100
−120
−140
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 9.127
Std Dev 6.492
0.4
0.2
0
−0.2
−0.4

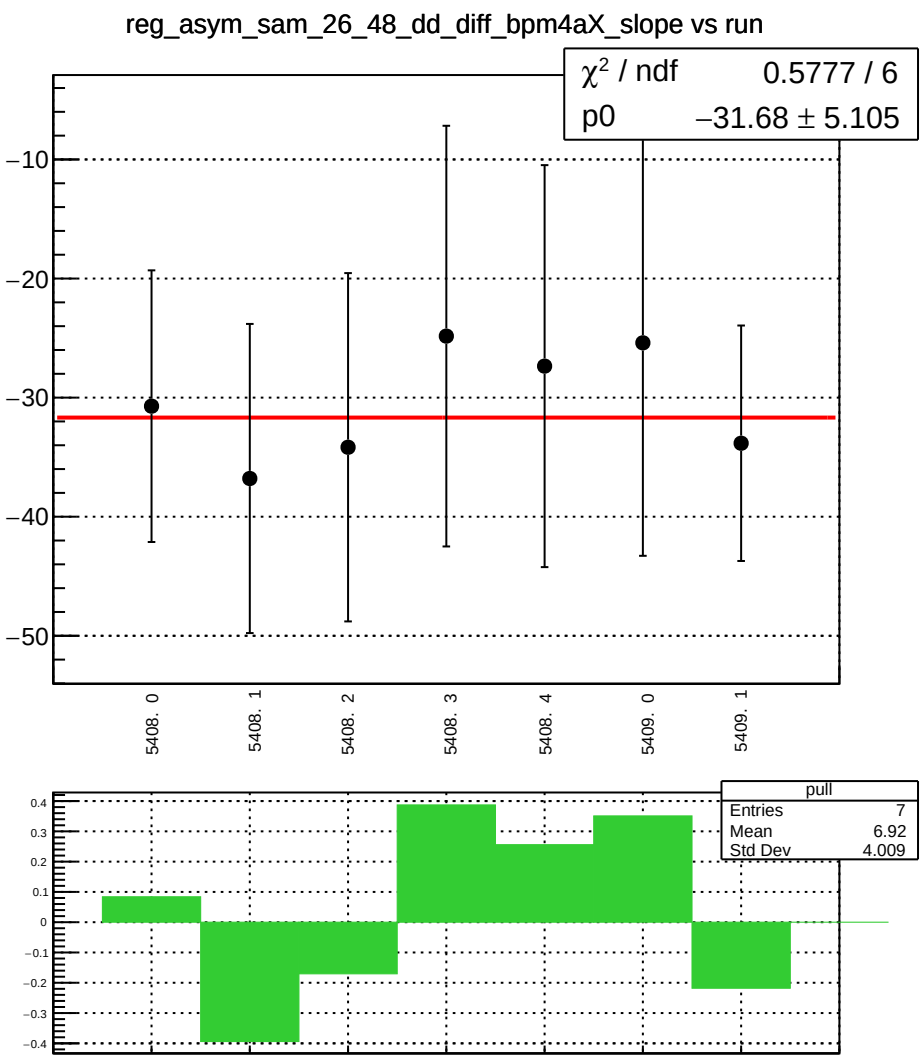

pull1D
Entries 7
Mean 0.06285
Std Dev 0.3504
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

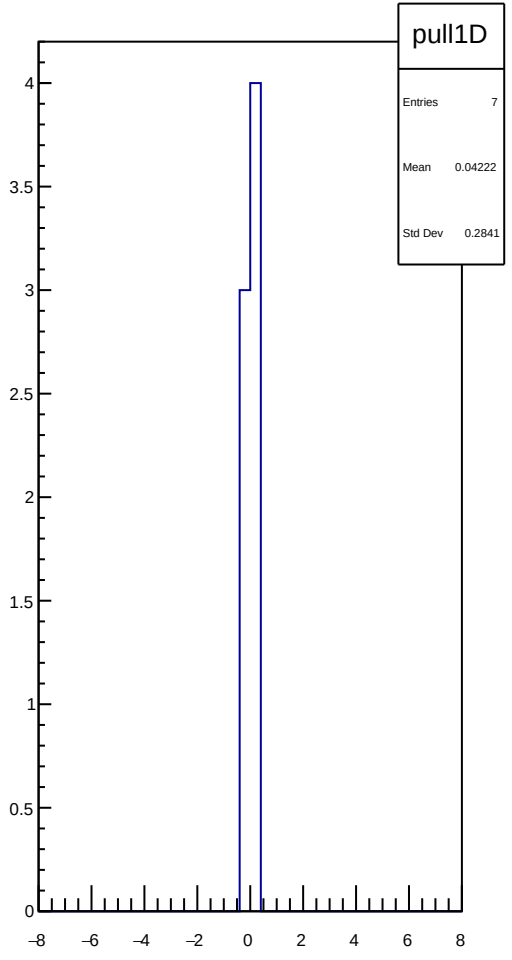

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.2383 / 6
p0 −53.4 ± 10.21
−20
−30
−40
−50
−60
−70
−80
−90
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 11.09
Std Dev 8.676
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 7
Mean −0.01709
Std Dev 0.1837
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

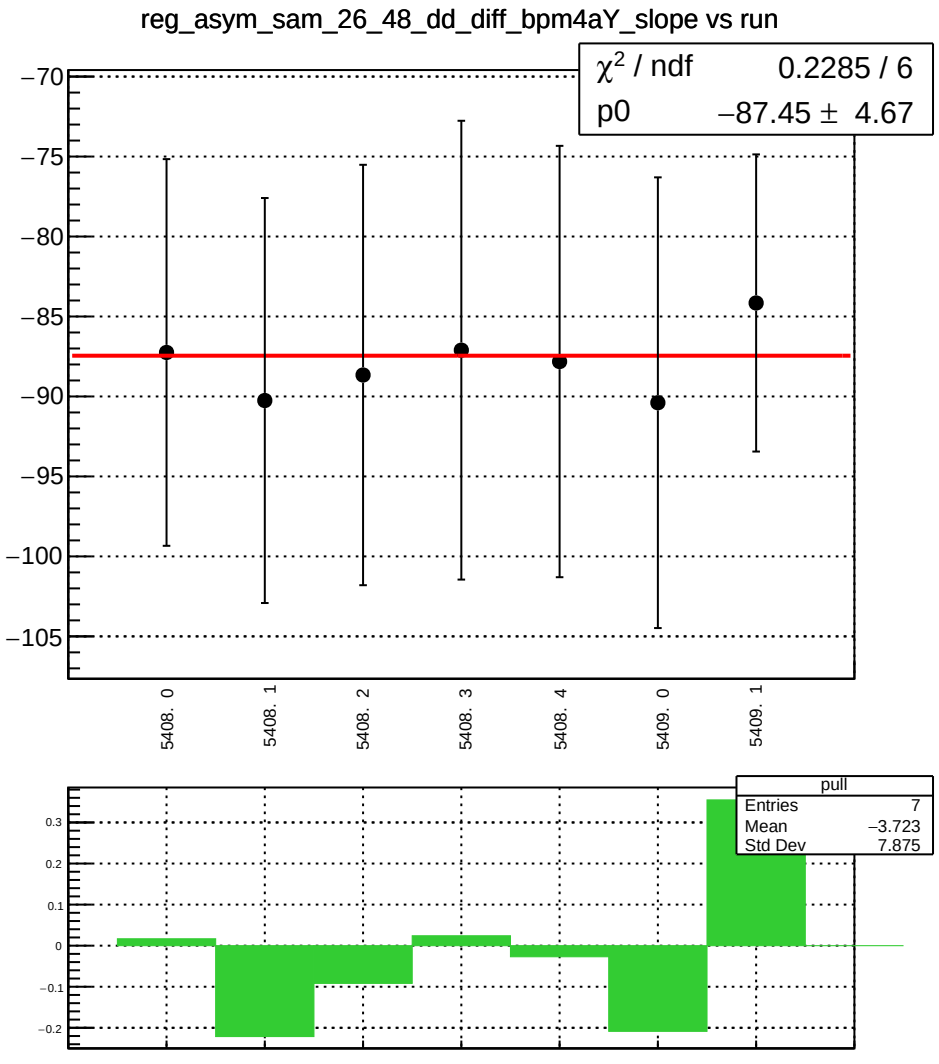

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6723 / 6
p0 −5.554 ± 10.98
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.994
Std Dev 5.509
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 7
Mean −0.05686
Std Dev 0.3046
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

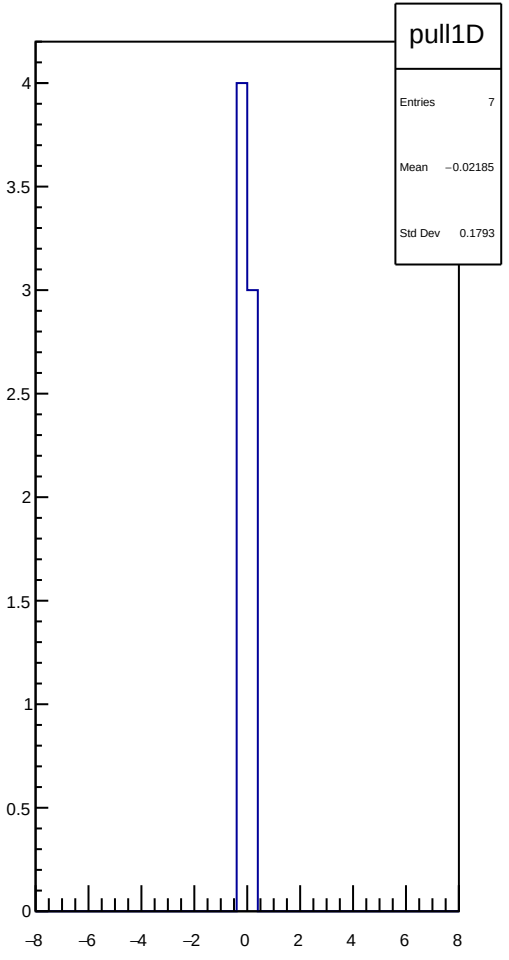

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.2127 / 6
p0 16.7 ± 11.72
60
50
40
30
20
10
0
−10
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.83
Std Dev 8.429
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 7
Mean 0.01665
Std Dev 0.1735
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

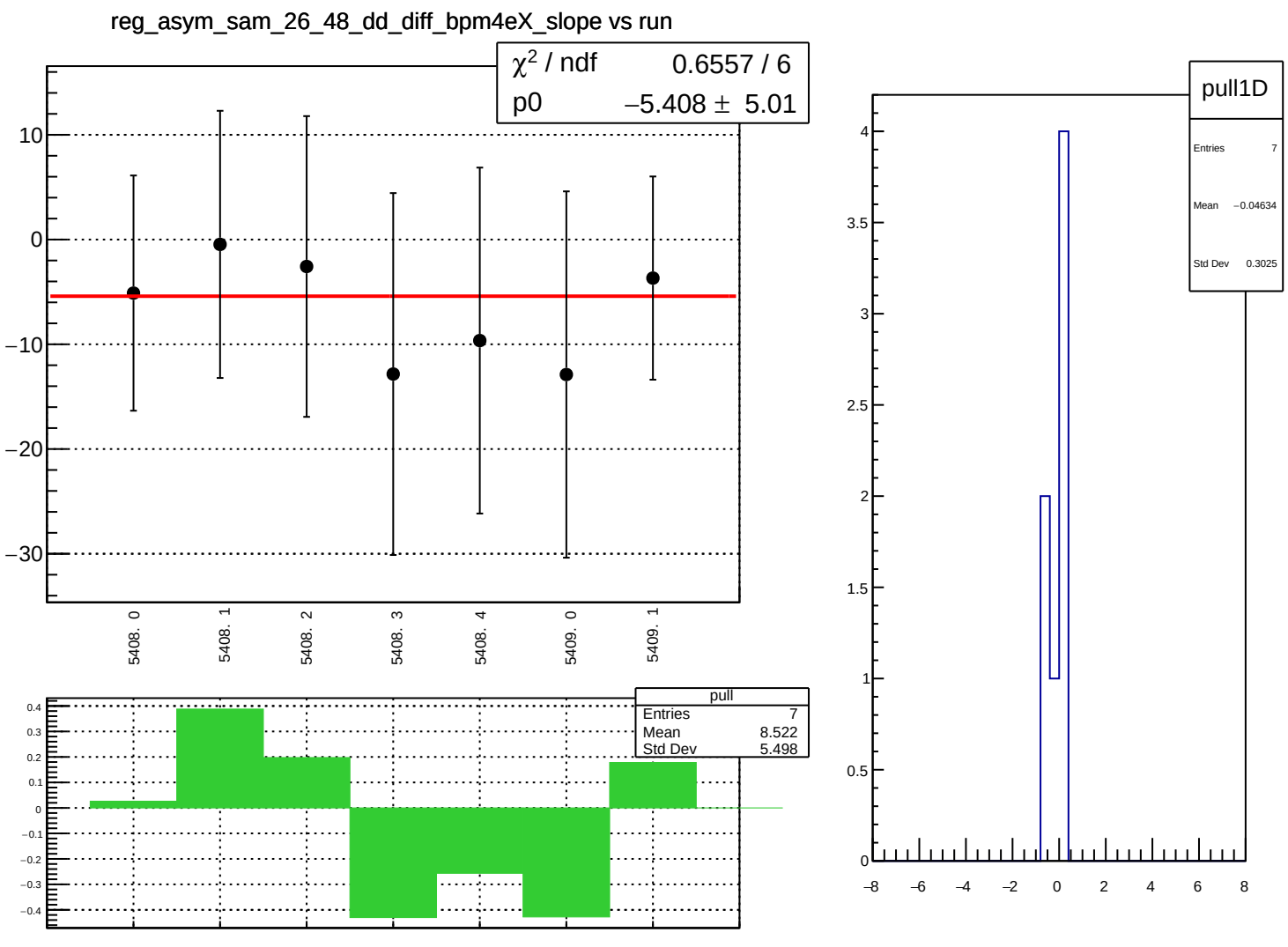

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.05283 / 6
p0 −1.256 ± 0.3547
0
−0.5
−1
−1.5
−2
−2.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 36.8
Std Dev 34.17
0.1
0.05
0
−0.05
−0.1
pull1D
Entries 7
Mean 0.002776
Std Dev 0.08683
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

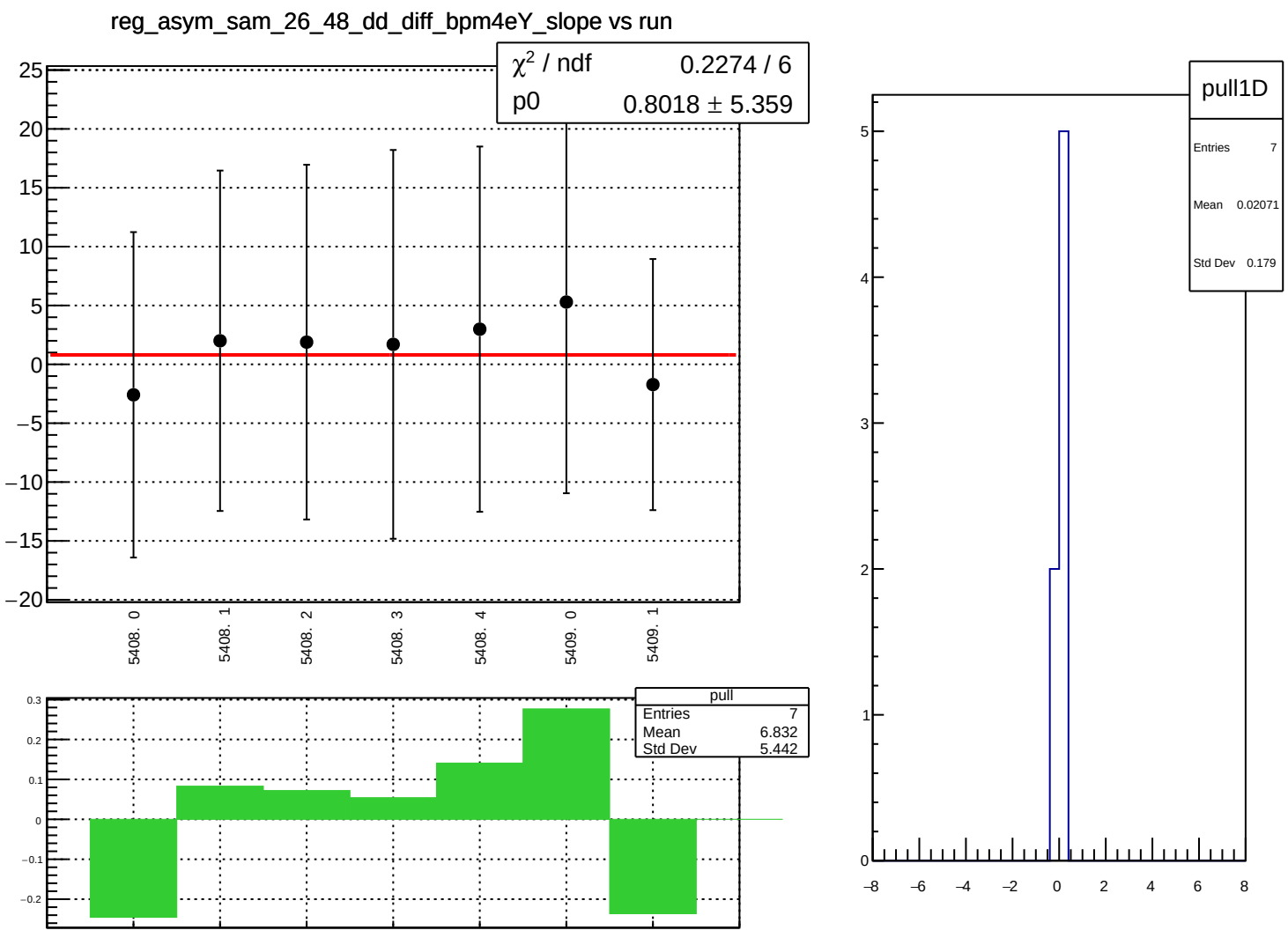

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.5777 / 6
p0 −31.68 ± 5.105
−10
−20
−30
−40
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.92
Std Dev 4.009
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

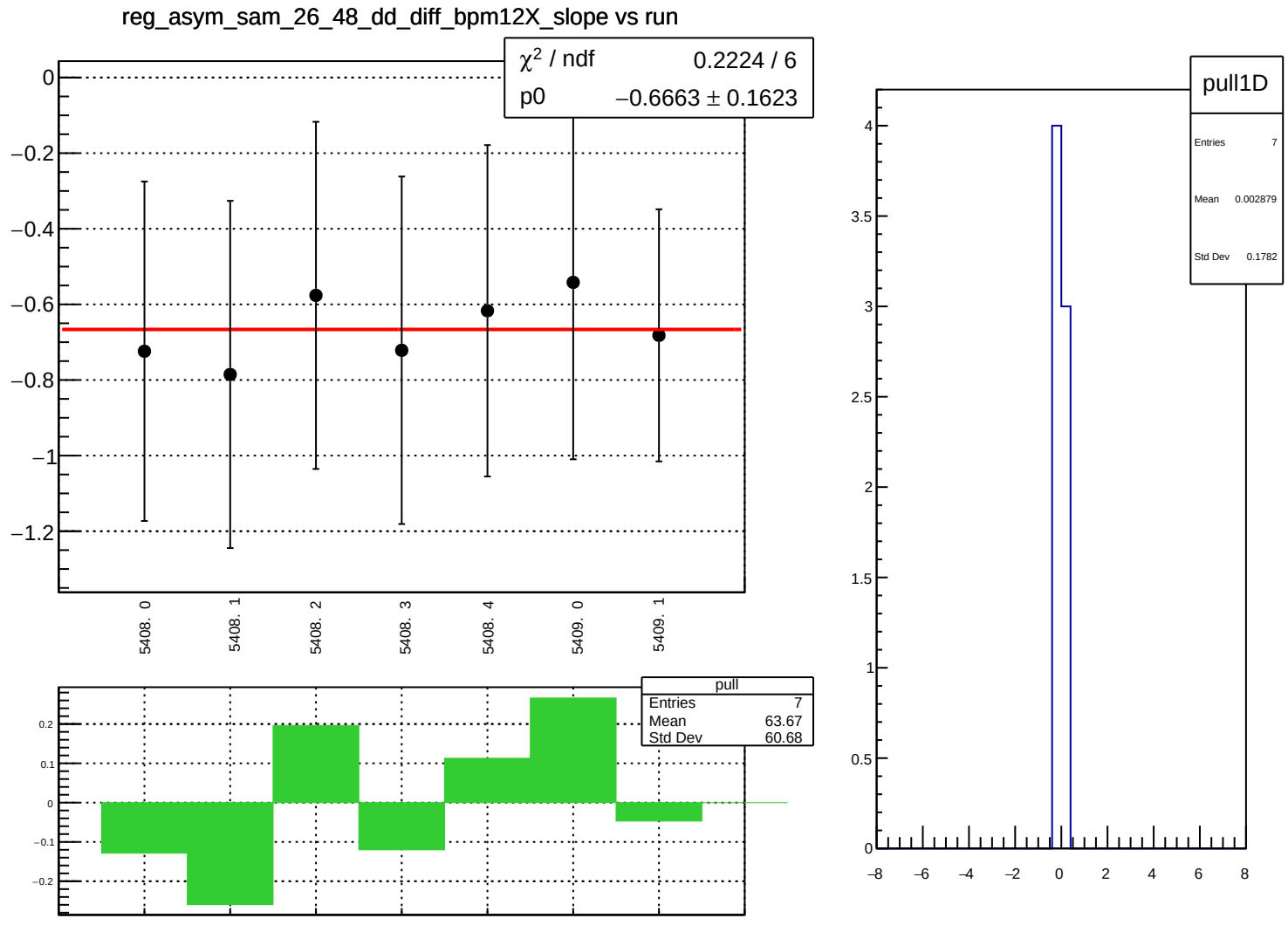

pull1D
Entries 7
Mean 0.04222
Std Dev 0.2841
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

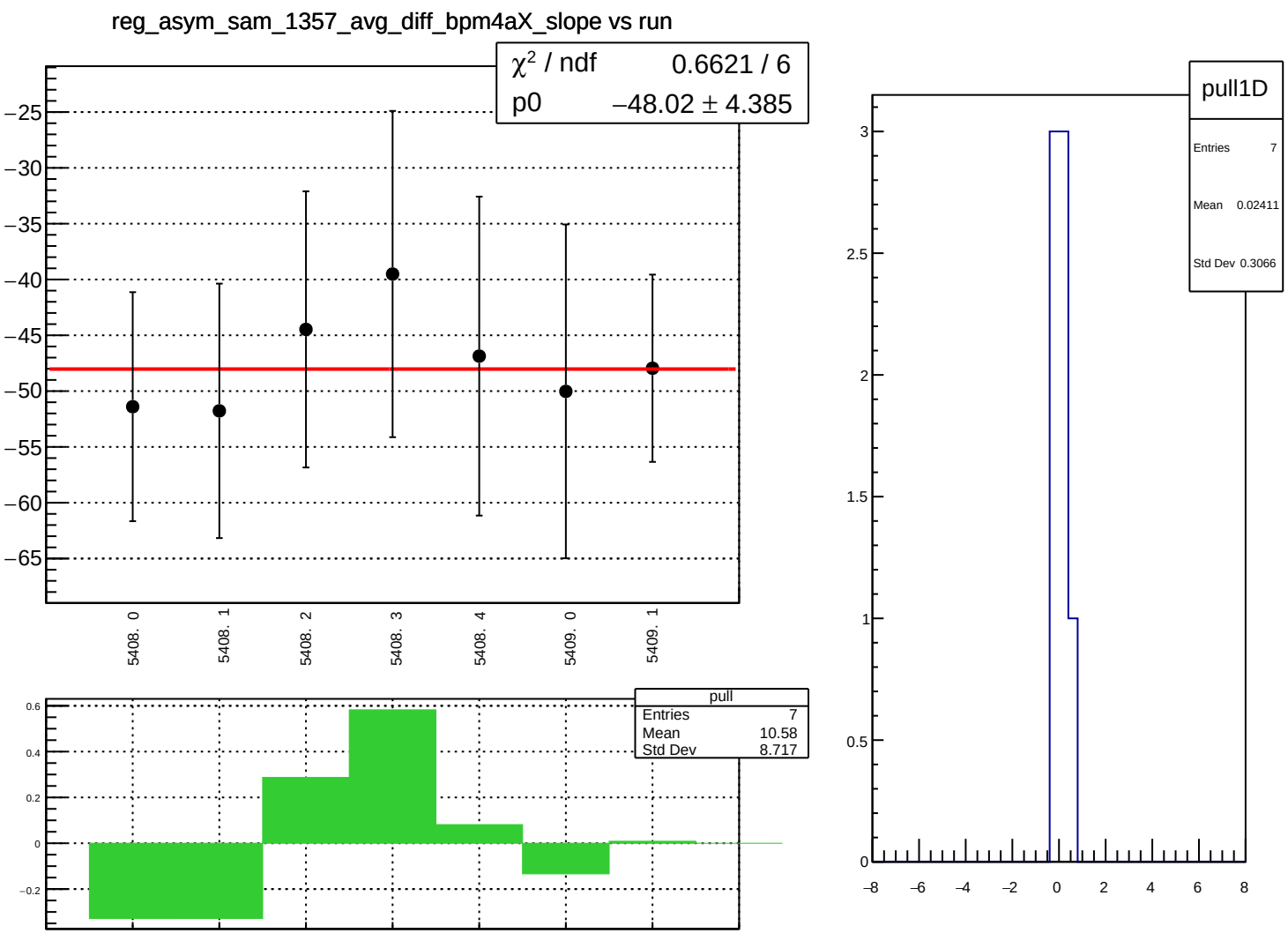

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.2285 / 6
p0 −87.45 ± 4.67
−70
−75
−80
−85
−90
−95
−100
−105
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −3.723
Std Dev 7.875
0.3
0.2
0.1
0
−0.1
−0.2

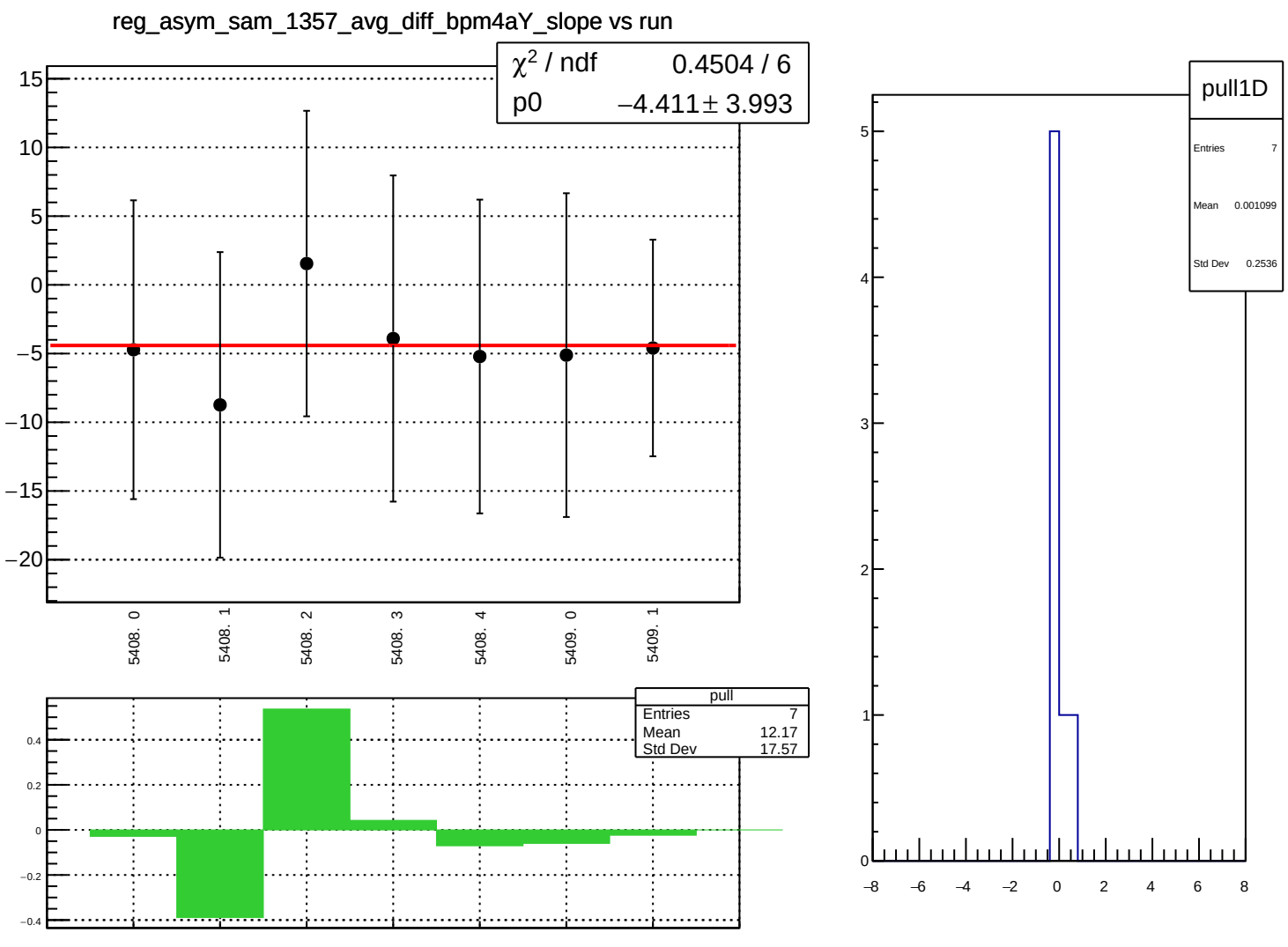

pull1D
Entries 7
Mean −0.02185
Std Dev 0.1793
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

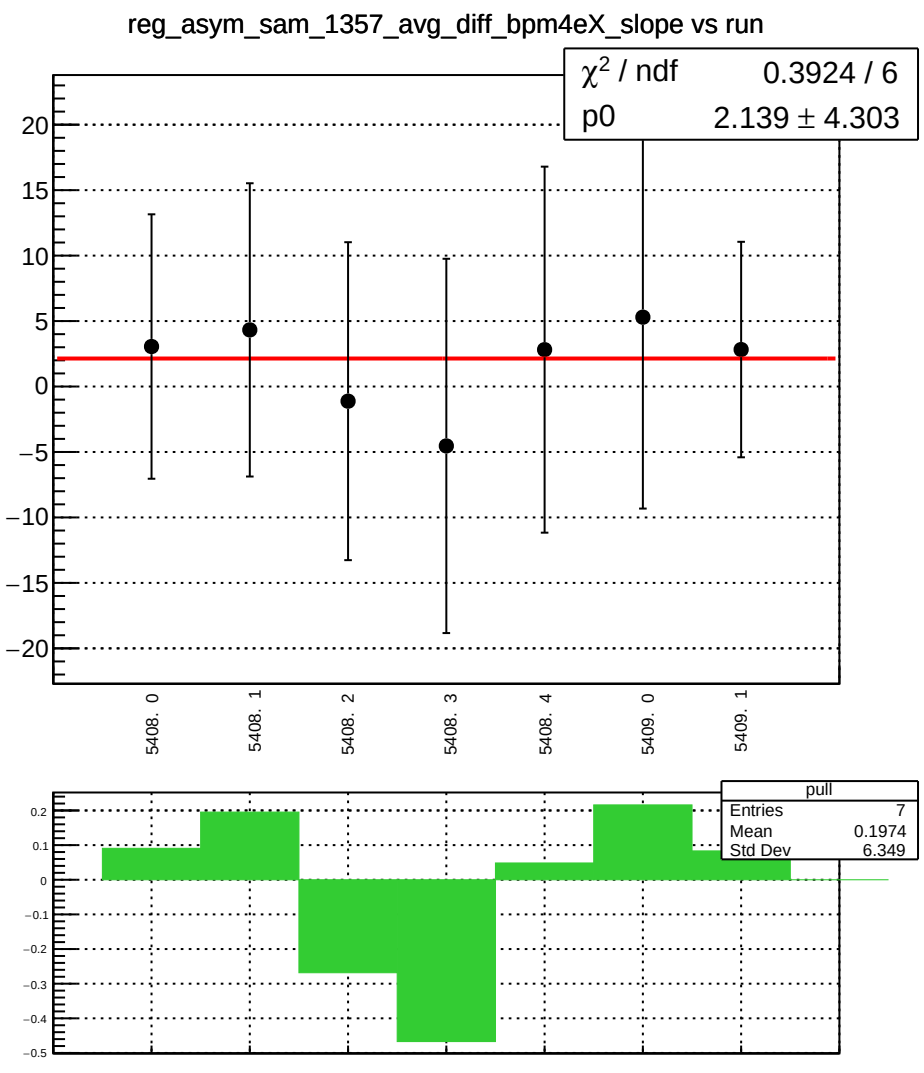

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6557 / 6
p0 −5.408 ± 5.01
10
0
−10
−20
−30
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.522
Std Dev 5.498
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 7
Mean −0.04634
Std Dev 0.3025
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

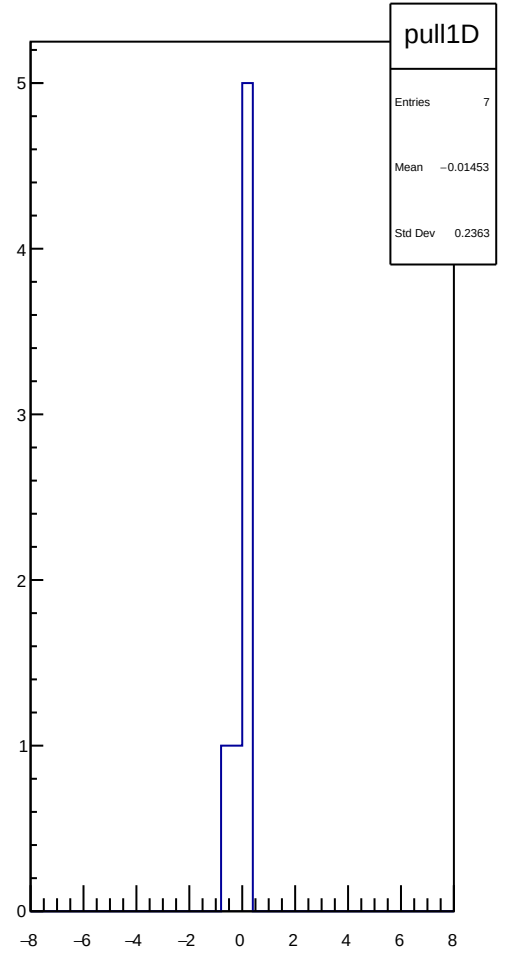

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.2274 / 6
p0 0.8018 ± 5.359
25
20
15
10
5
0
−5
−10
−15
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.832
Std Dev 5.442
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean 0.02071
Std Dev 0.179
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

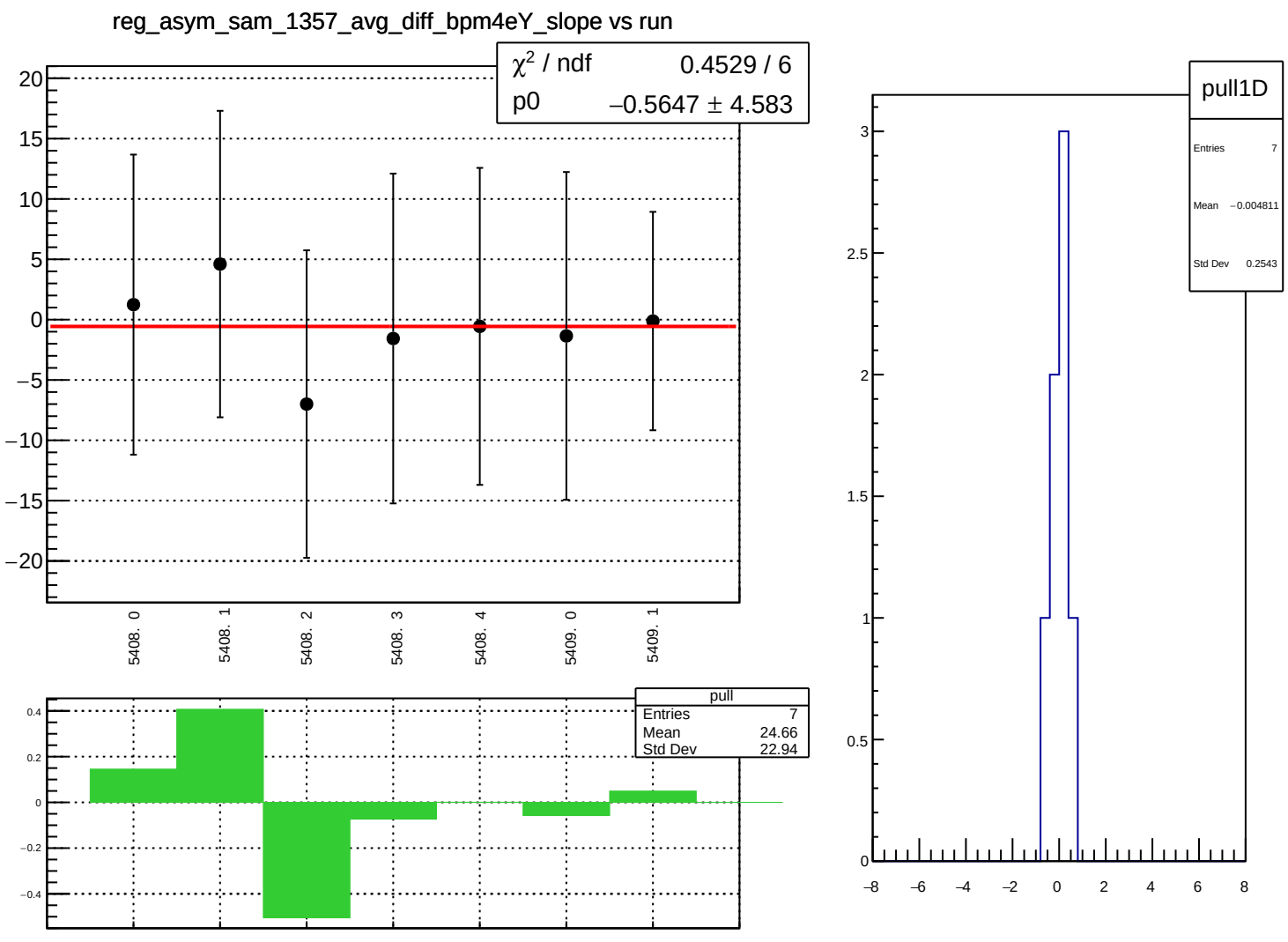

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.2224 / 6
p0 −0.6663 ± 0.1623
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 63.67
Std Dev 60.68
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean 0.002879
Std Dev 0.1782
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

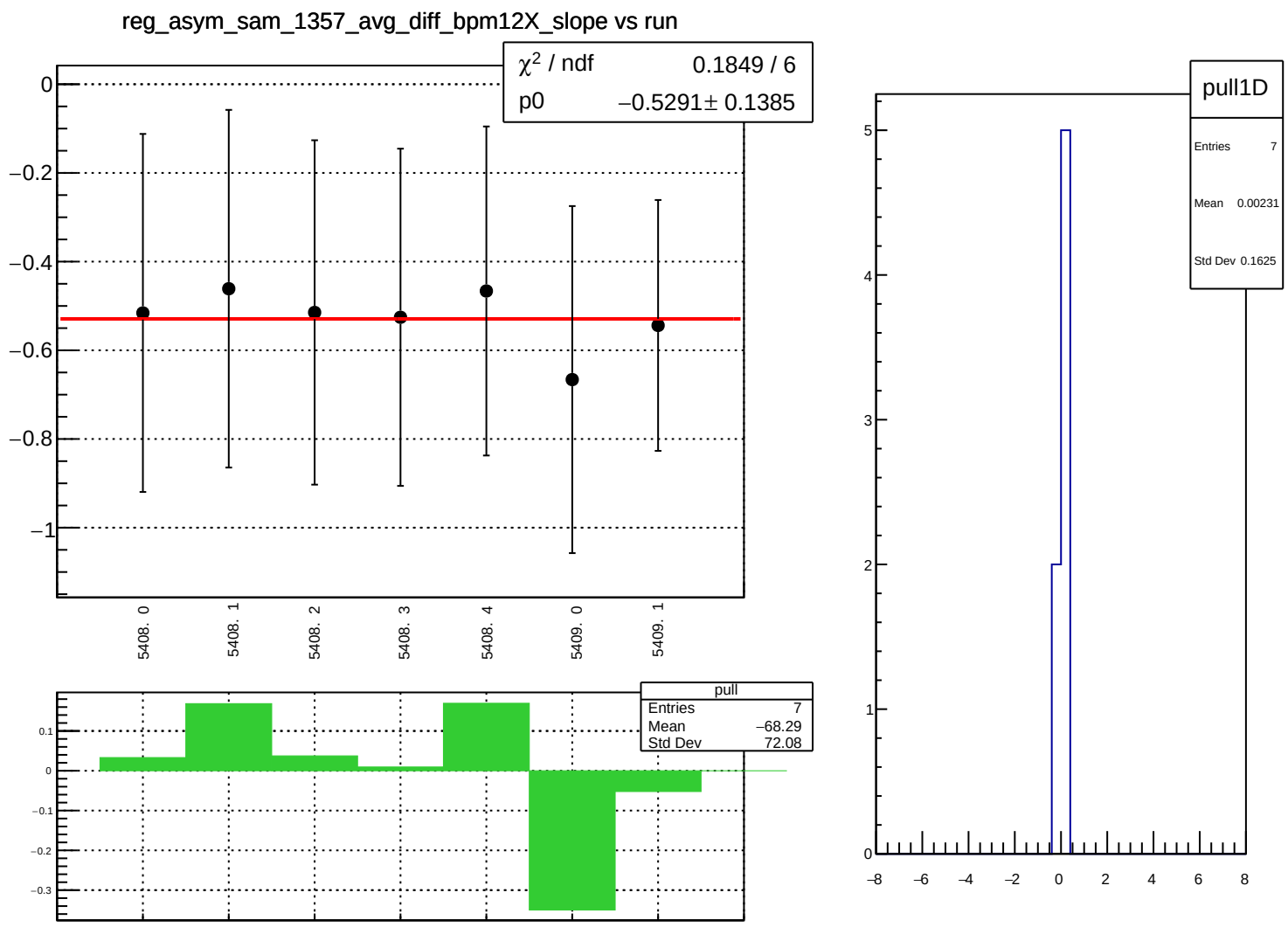

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6621 / 6
p0 −48.02 ± 4.385
−25
−30
−35
−40
−45
−50
−55
−60
−65
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.58
Std Dev 8.717
0.6
0.4
0.2
0
−0.2
pull1D
Entries 7
Mean 0.02411
Std Dev 0.3066
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

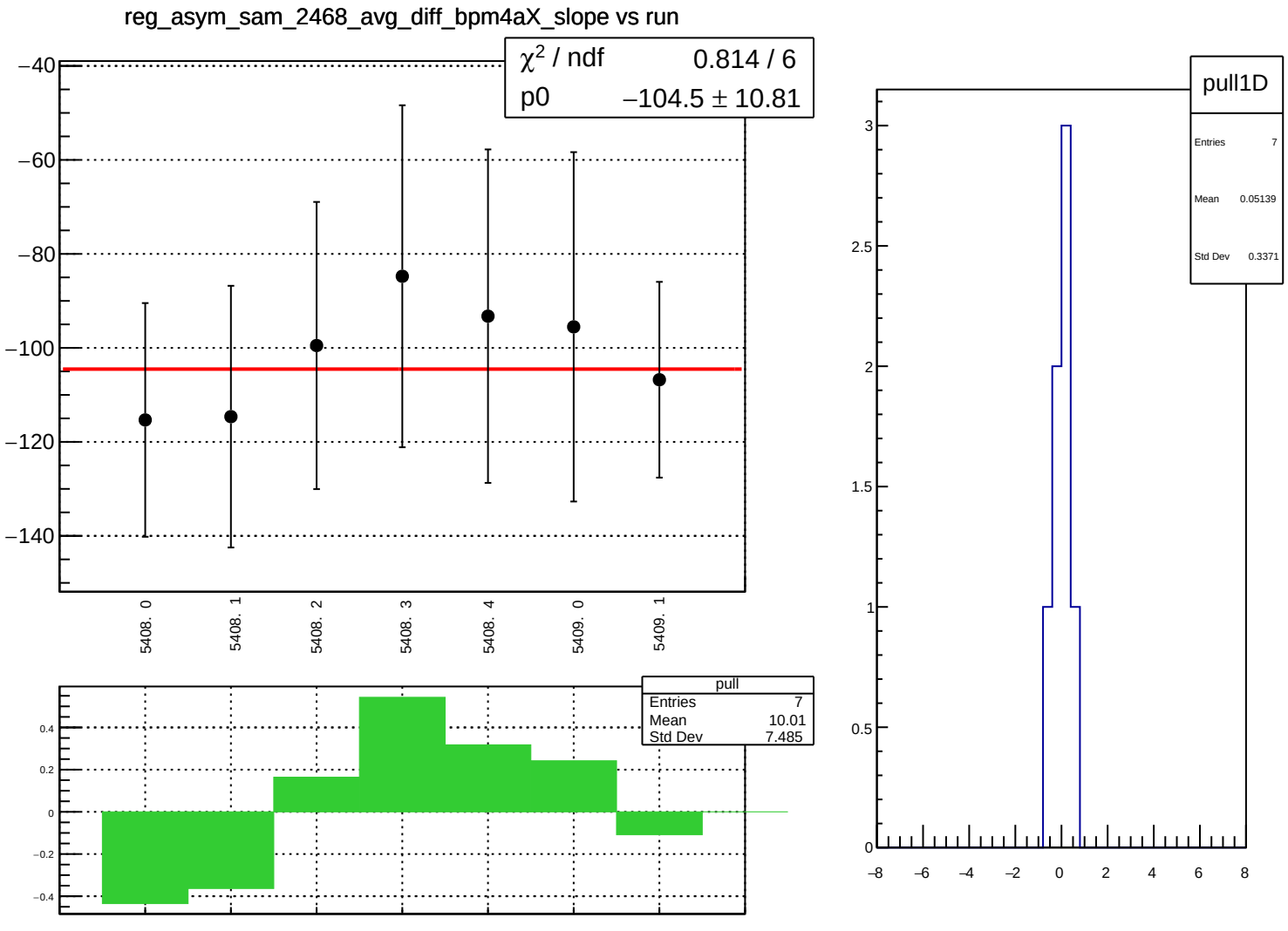

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.4504 / 6
p0 −4.411 ± 3.993
15
10
5
0
−5
−10
−15
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.17
Std Dev 17.57
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean 0.001099
Std Dev 0.2536
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

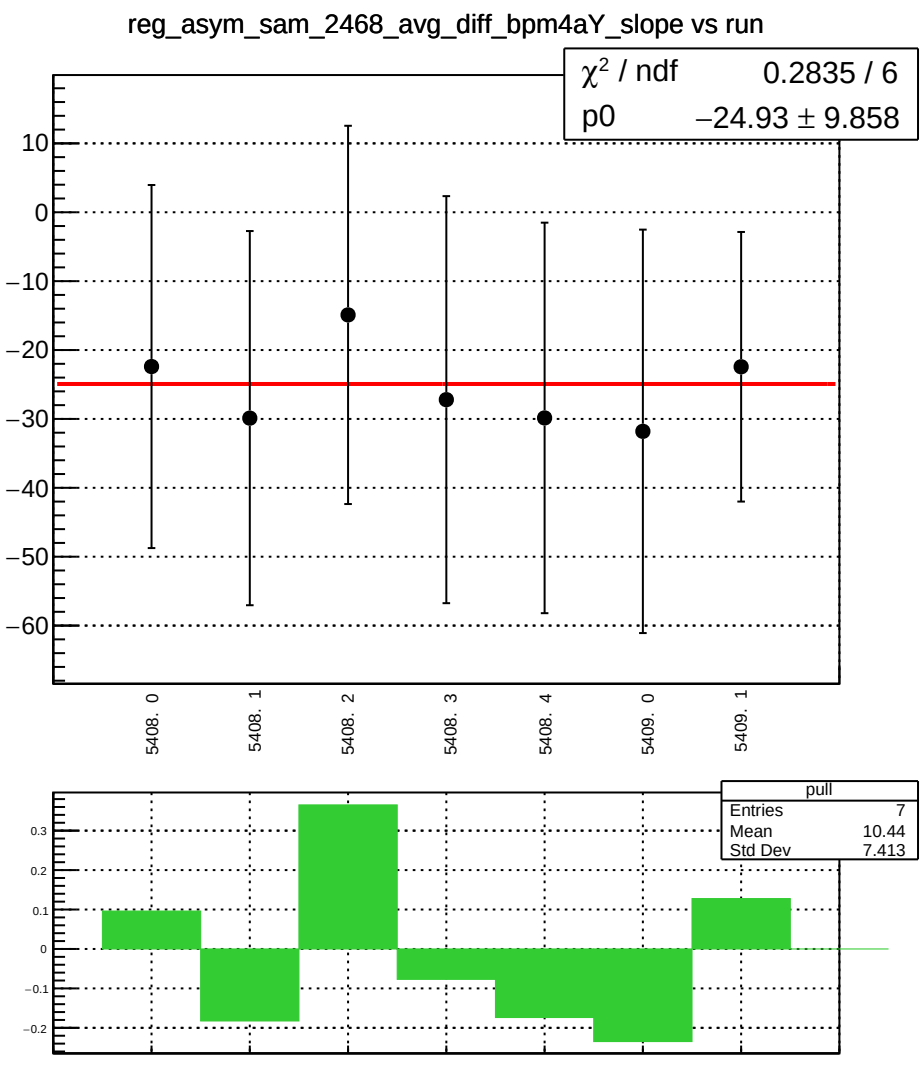

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.3924 / 6
p0 2.139 ± 4.303
20
15
10
5
0
−5
−10
−15
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 0.1974
Std Dev 6.349
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

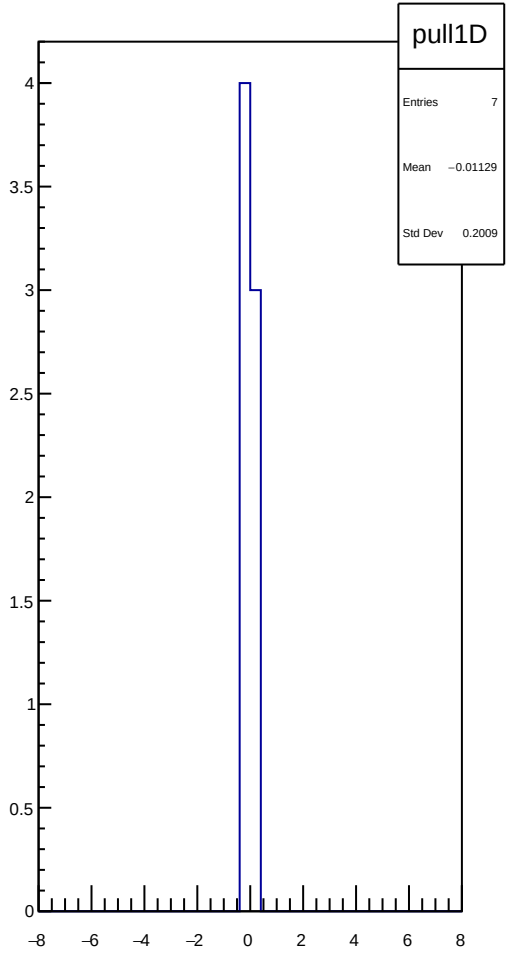

pull1D
Entries 7
Mean −0.01453
Std Dev 0.2363
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

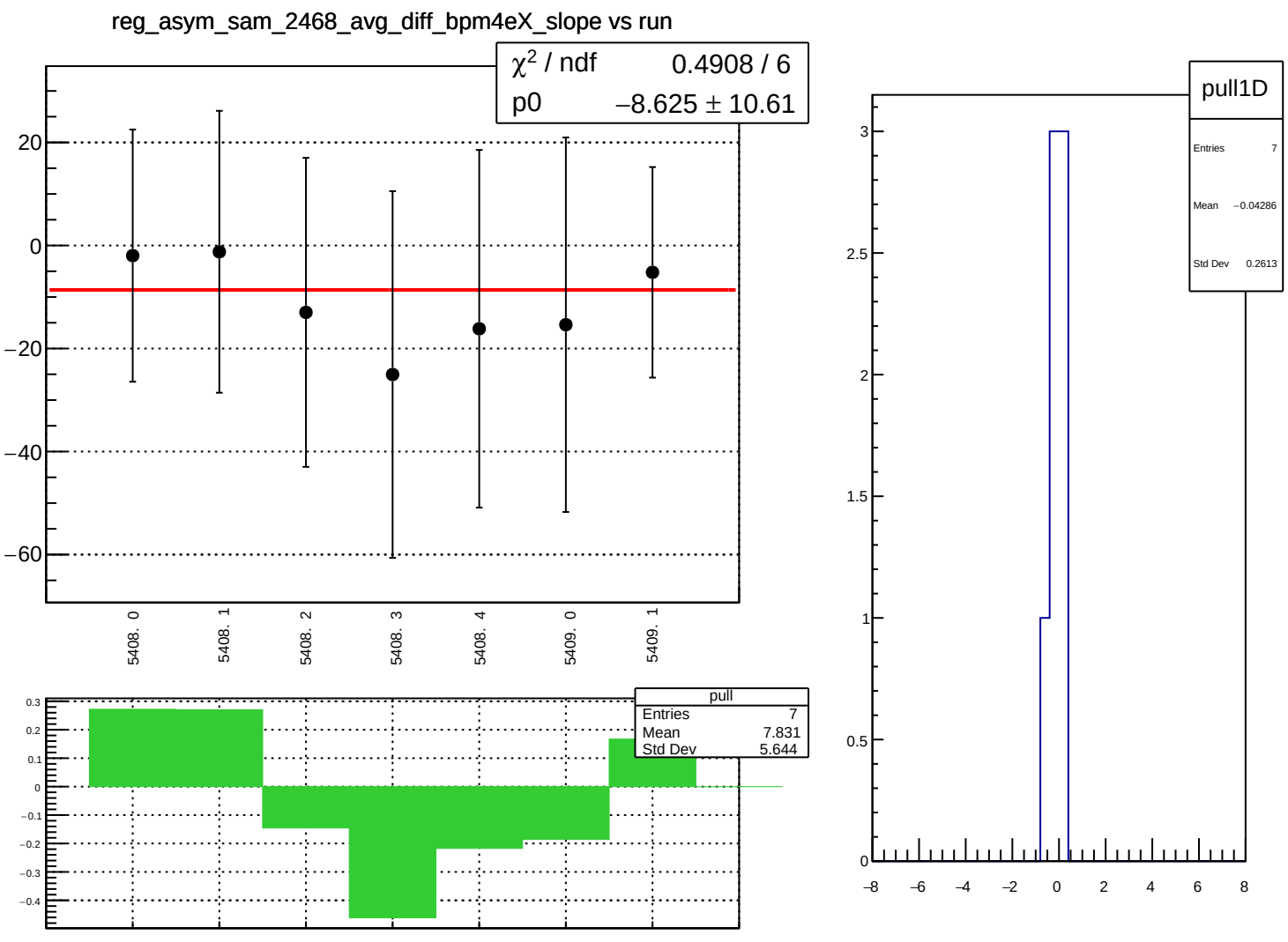

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.4529 / 6
p0 −0.5647 ± 4.583
20
15
10
5
0
−5
−10
−15
−20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 24.66
Std Dev 22.94
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean −0.004811
Std Dev 0.2543
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

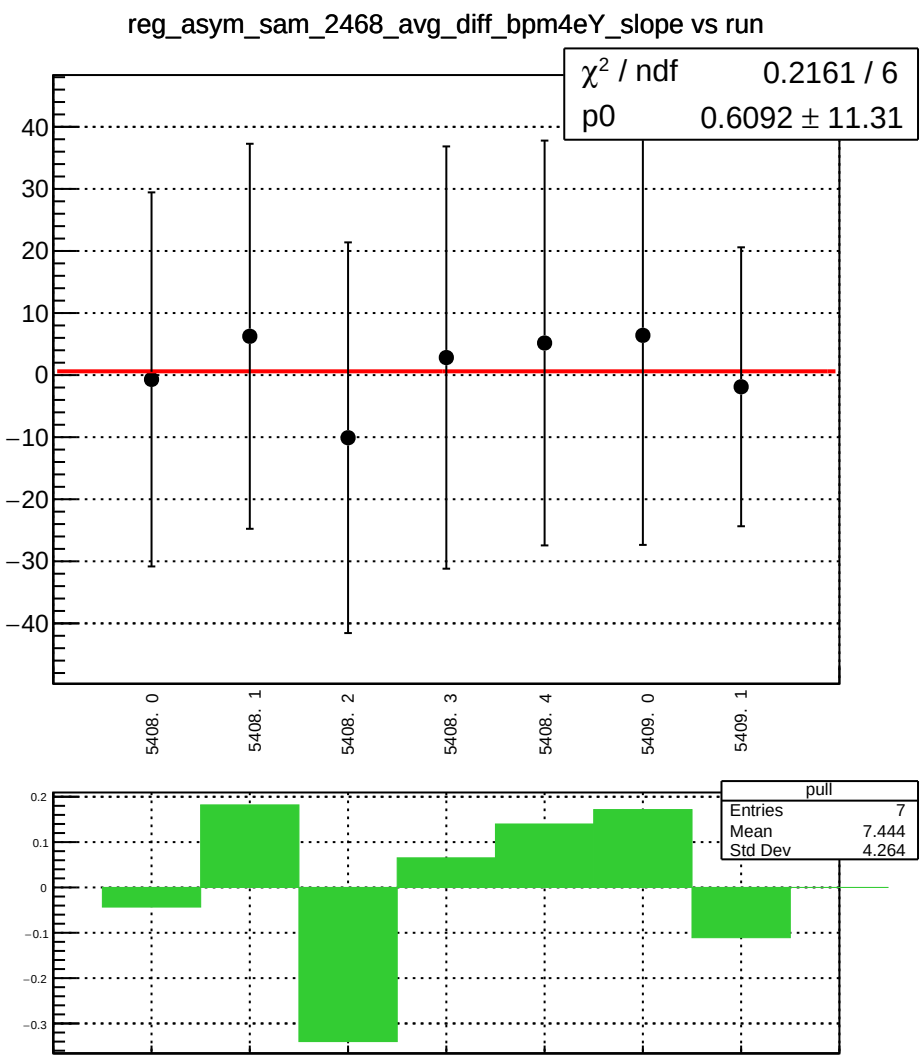

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 0.1849 / 6
p0 −0.5291± 0.1385
0
−0.2
−0.4
−0.6
−0.8
−1
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −68.29
Std Dev 72.08
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 7
Mean 0.00231
Std Dev 0.1625
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

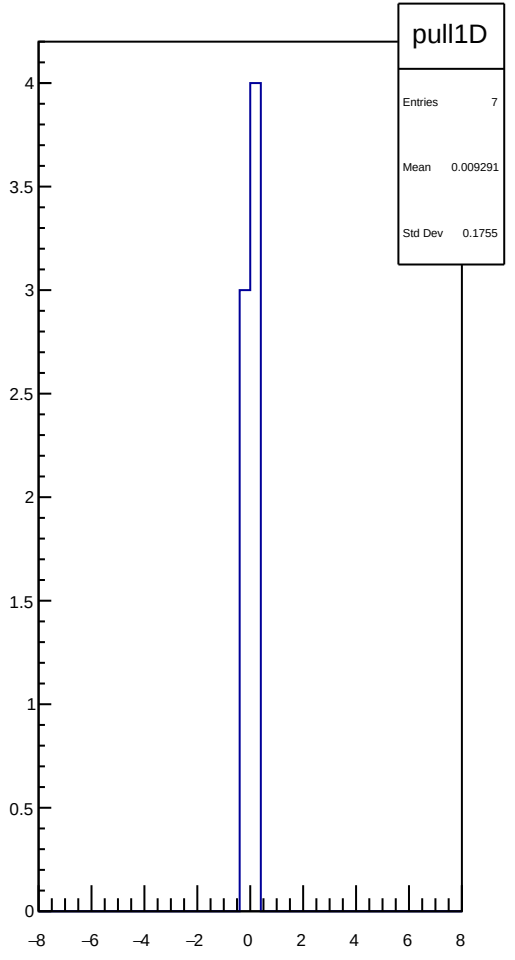

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.814 / 6
p0 −104.5 ± 10.81
−40
−60
−80
−100
−120
−140
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.01
Std Dev 7.485
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean 0.05139
Std Dev 0.3371
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

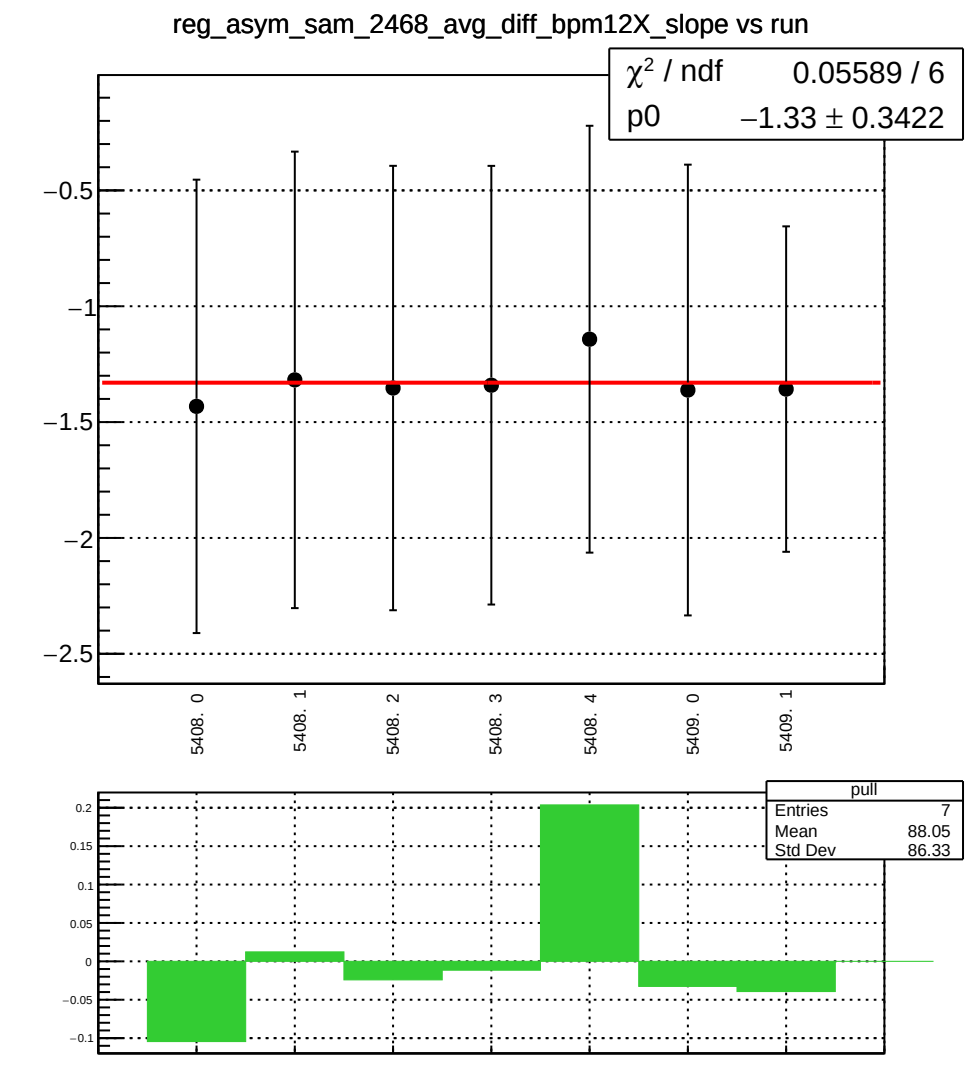

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.2835 / 6
p0 −24.93 ± 9.858
10
0
−10
−20
−30
−40
−50
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.44
Std Dev 7.413
0.3
0.2
0.1
0
−0.1
−0.2

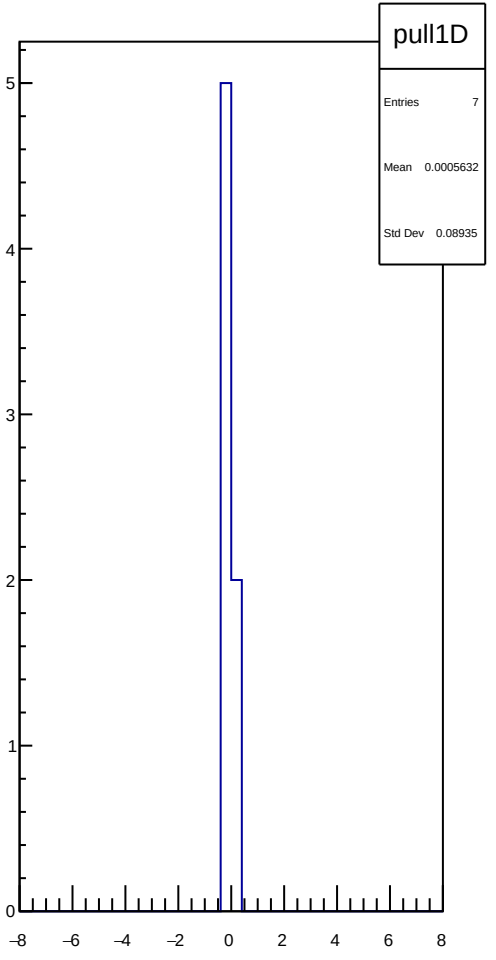

pull1D
Entries 7
Mean −0.01129
Std Dev 0.2009
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

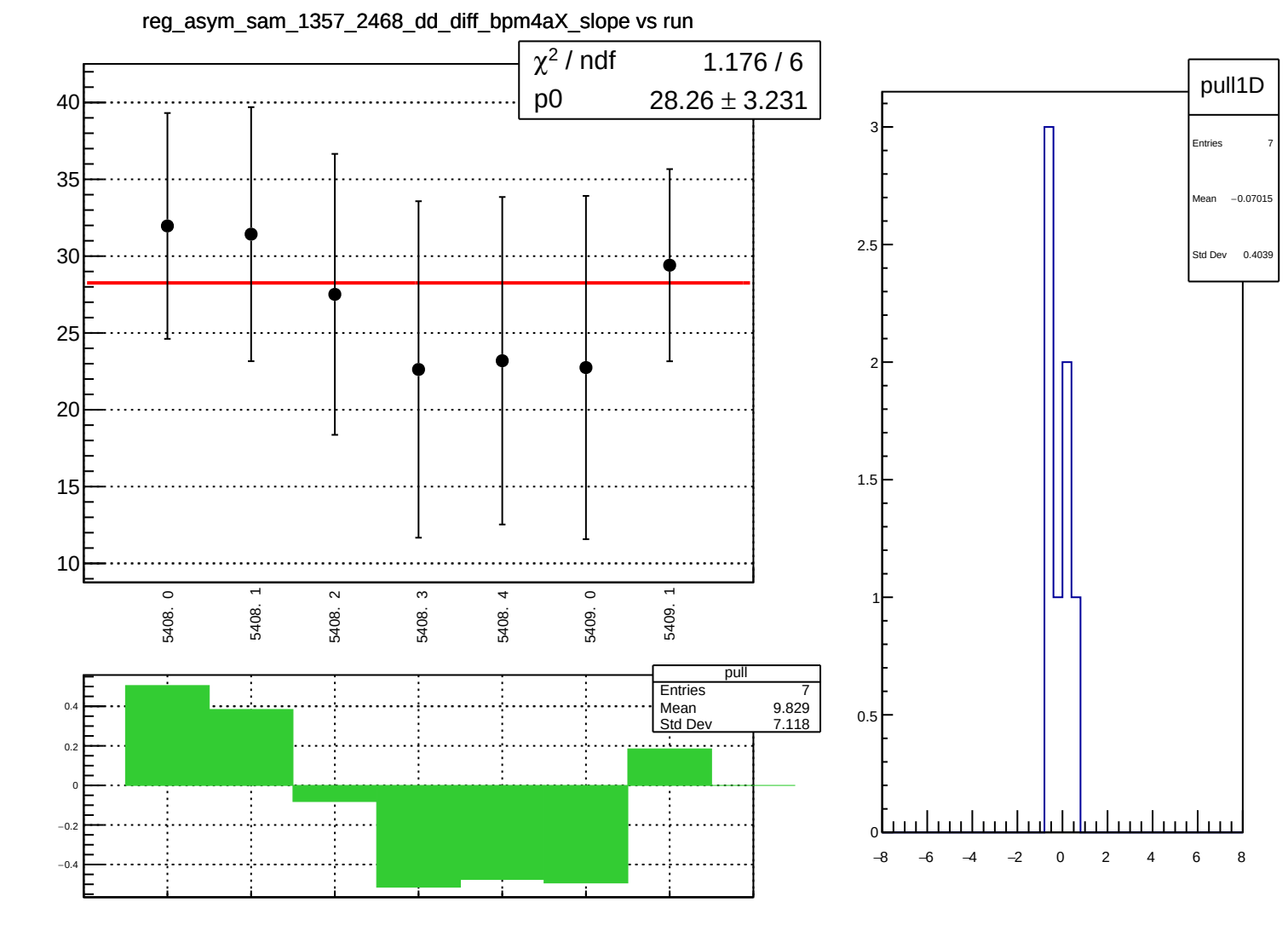

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.4908 / 6
p0 −8.625 ± 10.61
20
0
−20
−40
−60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.831
Std Dev 5.644
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 7
Mean −0.04286
Std Dev 0.2613
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

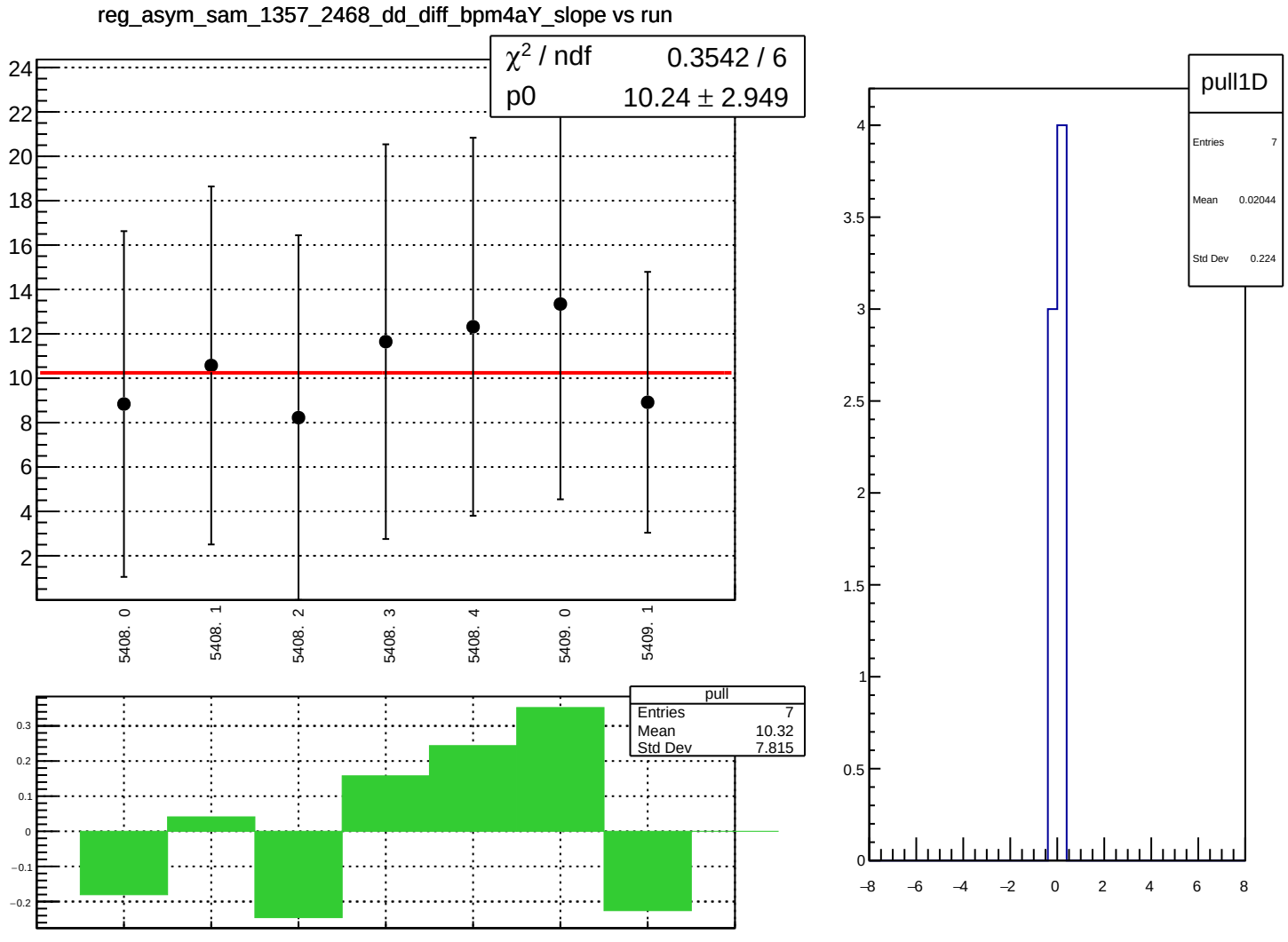

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.2161 / 6
p0 0.6092 ± 11.31
40
30
20
10
0
−10
−20
−30
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.444
Std Dev 4.264
0.2
0.1
0
−0.1
−0.2
−0.3

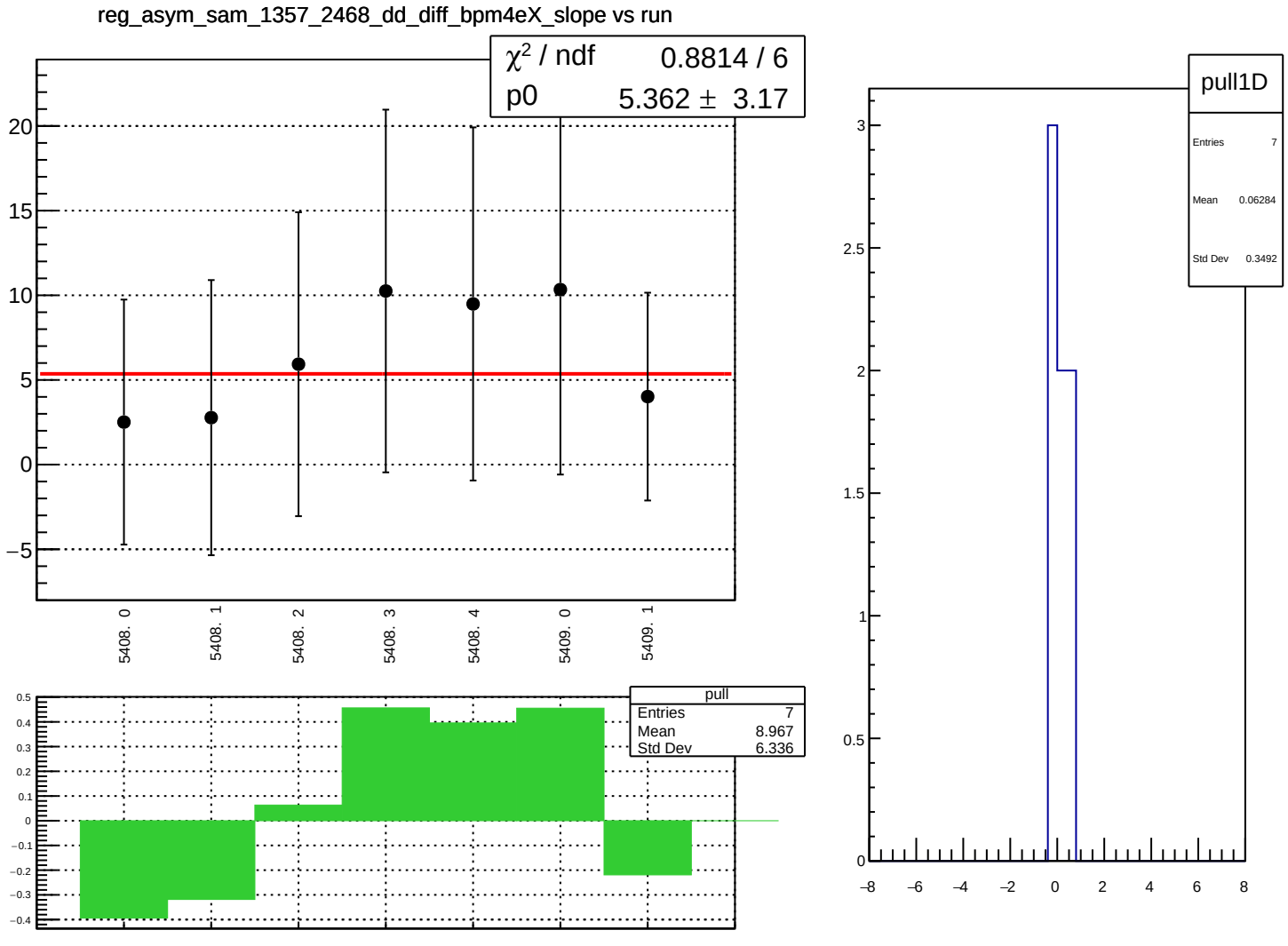

pull1D
Entries 7
Mean 0.009291
Std Dev 0.1755
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

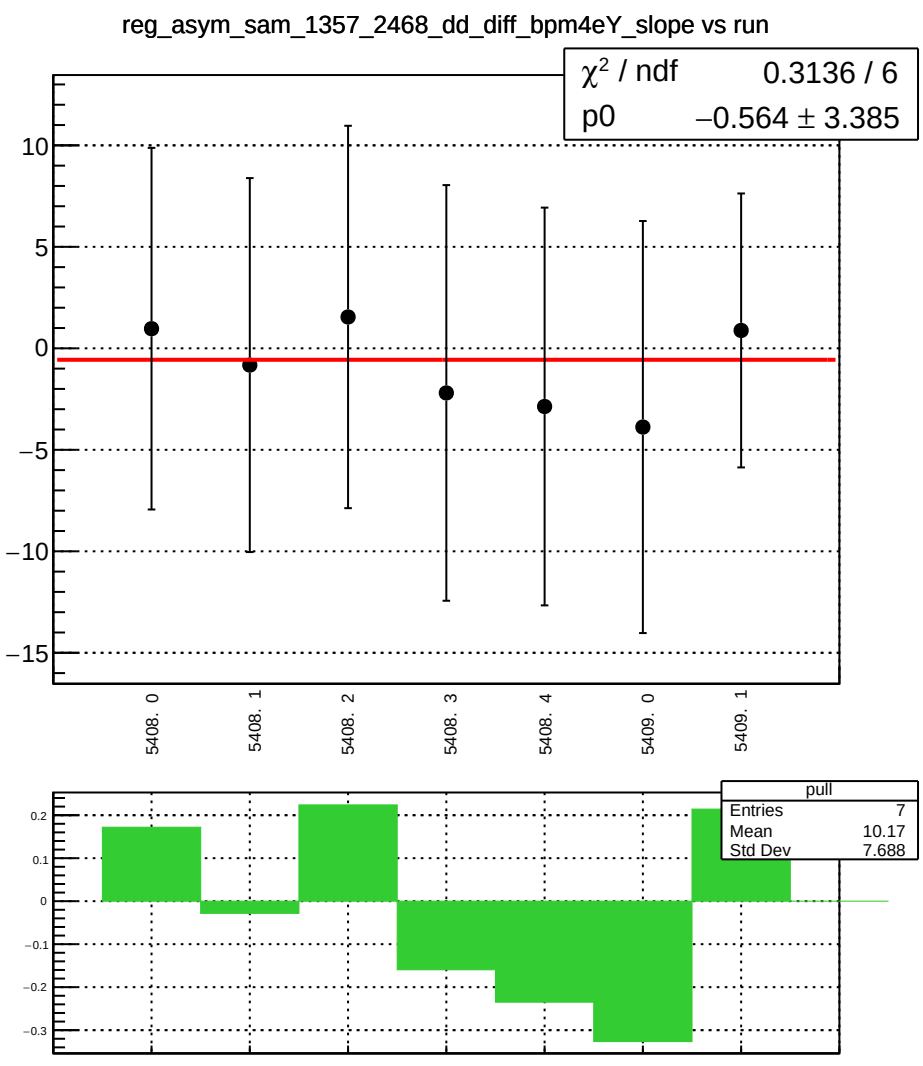

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 0.05589 / 6
p0 −1.33 ± 0.3422
−0.5
−1
−1.5
−2
−2.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 88.05
Std Dev 86.33
0.2
0.15
0.1
0.05
0
−0.05
−0.1

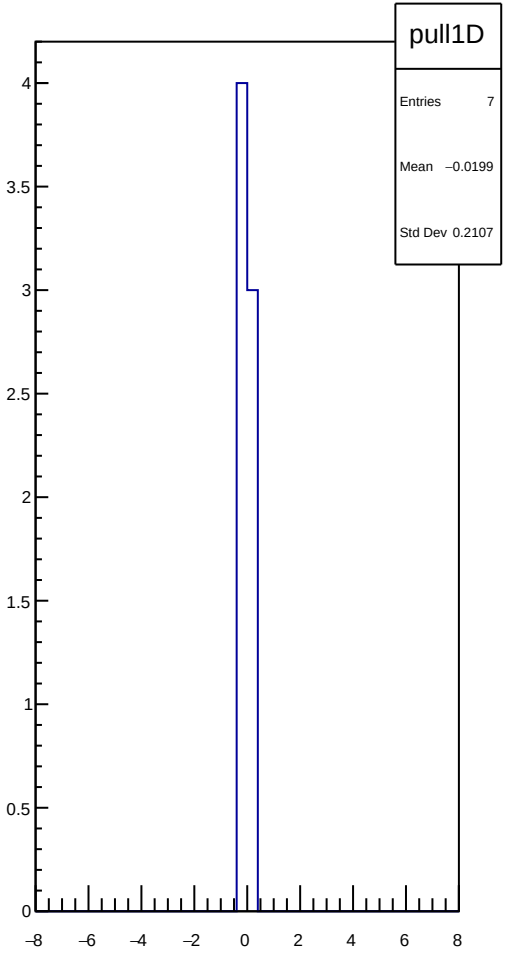

pull1D
Entries 7
Mean 0.0005632
Std Dev 0.08935
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

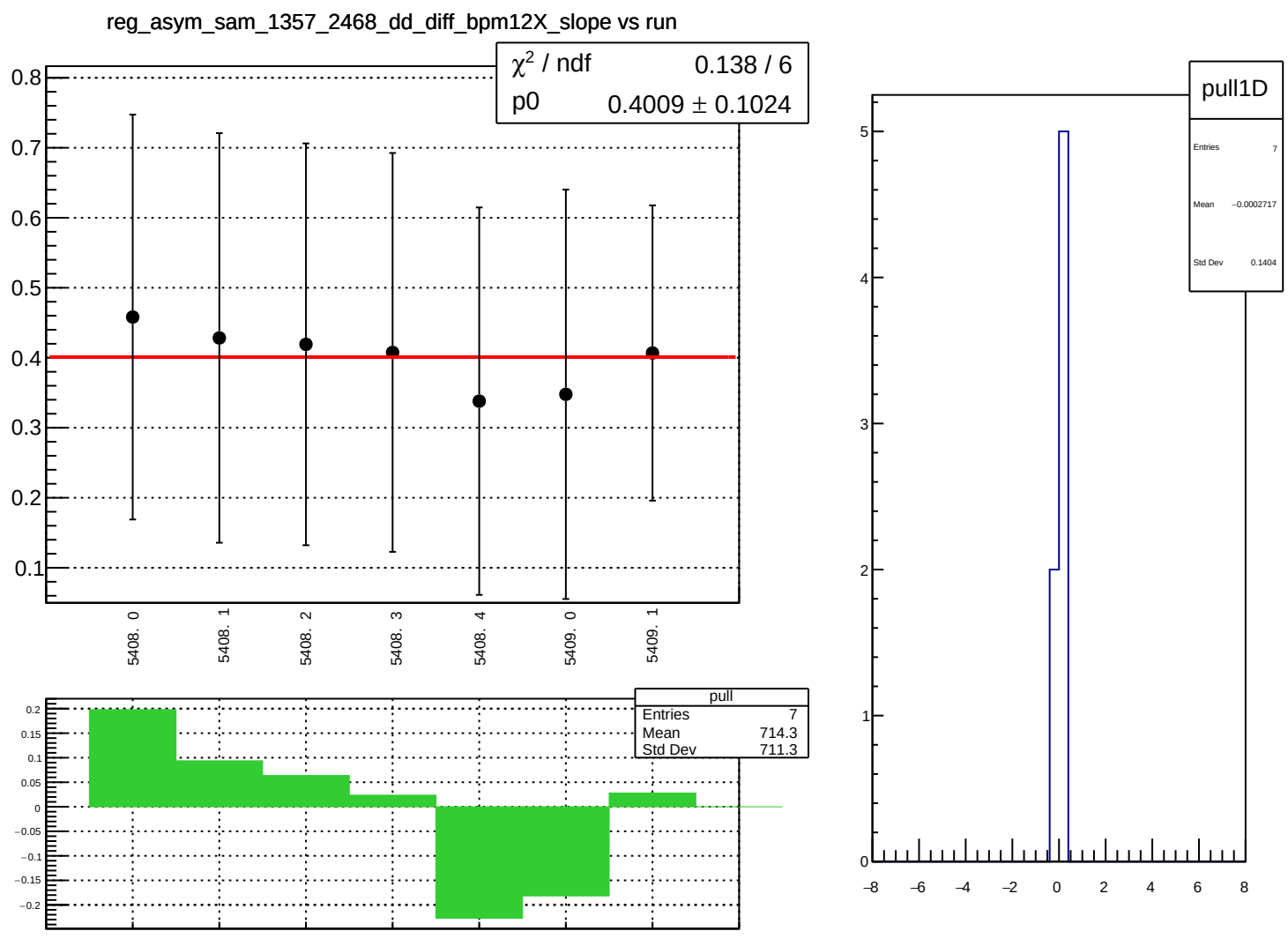

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.176 / 6
p0 28.26 ± 3.231
40
35
30
25
20
15
10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 9.829
Std Dev 7.118
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean −0.07015
Std Dev 0.4039
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

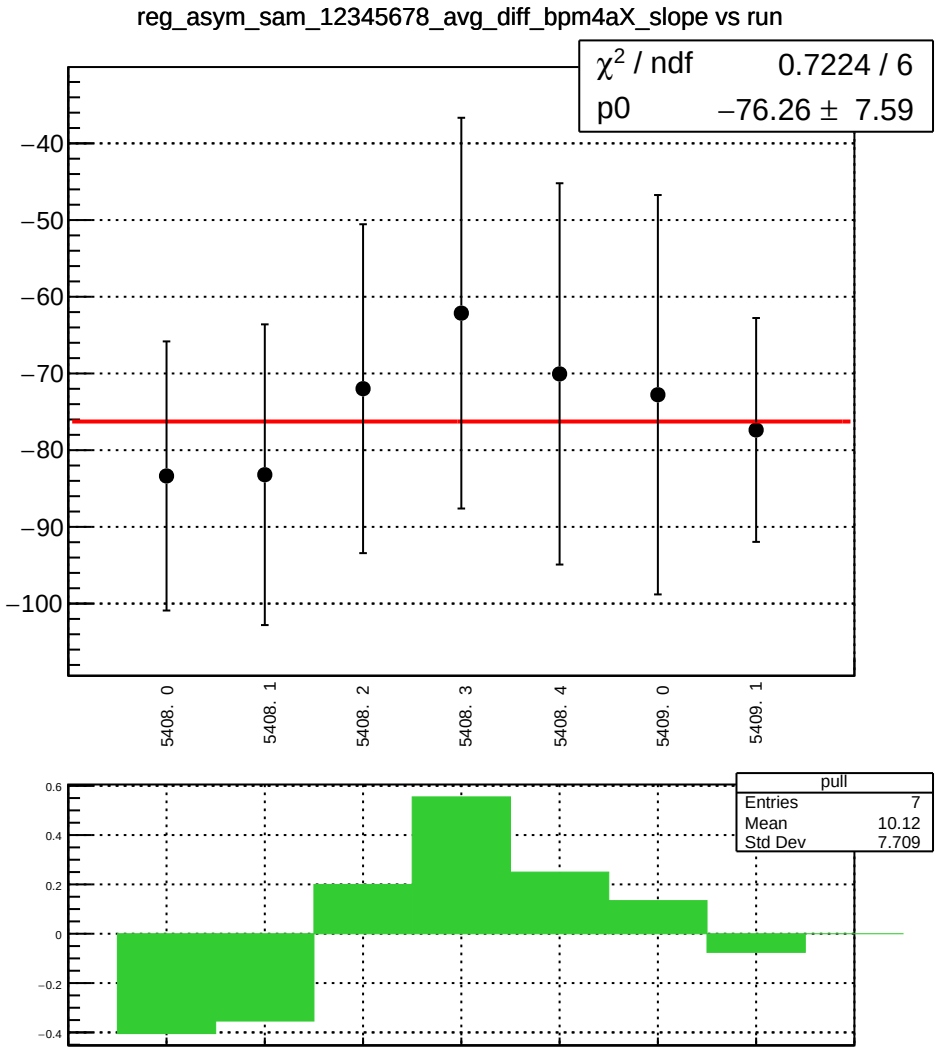

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3542 / 6
p0 10.24 ± 2.949
24
22
20
18
16
14
12
10
8
6
4
2
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.32
Std Dev 7.815
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean 0.02044
Std Dev 0.224
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

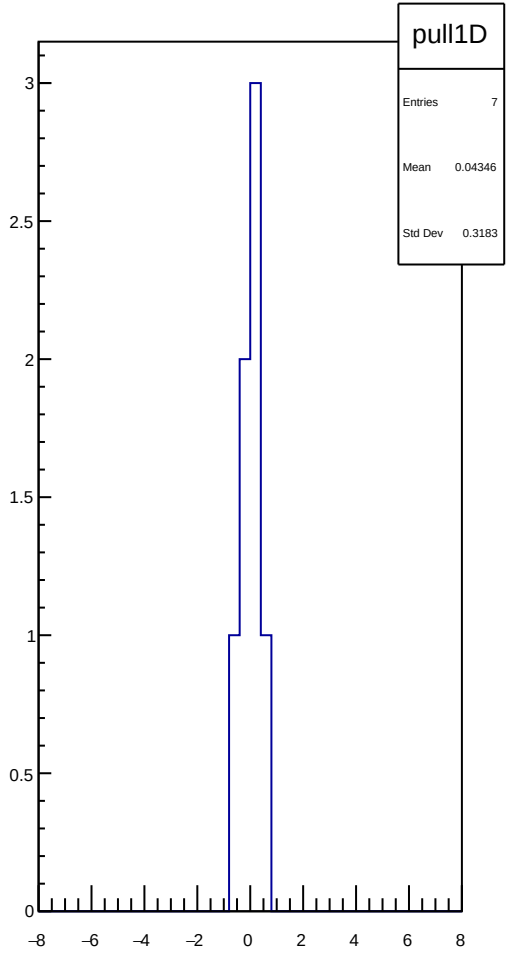

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8814 / 6
p0 5.362 ± 3.17
20
15
10
5
0
−5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 8.967
Std Dev 6.336
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 7
Mean 0.06284
Std Dev 0.3492
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

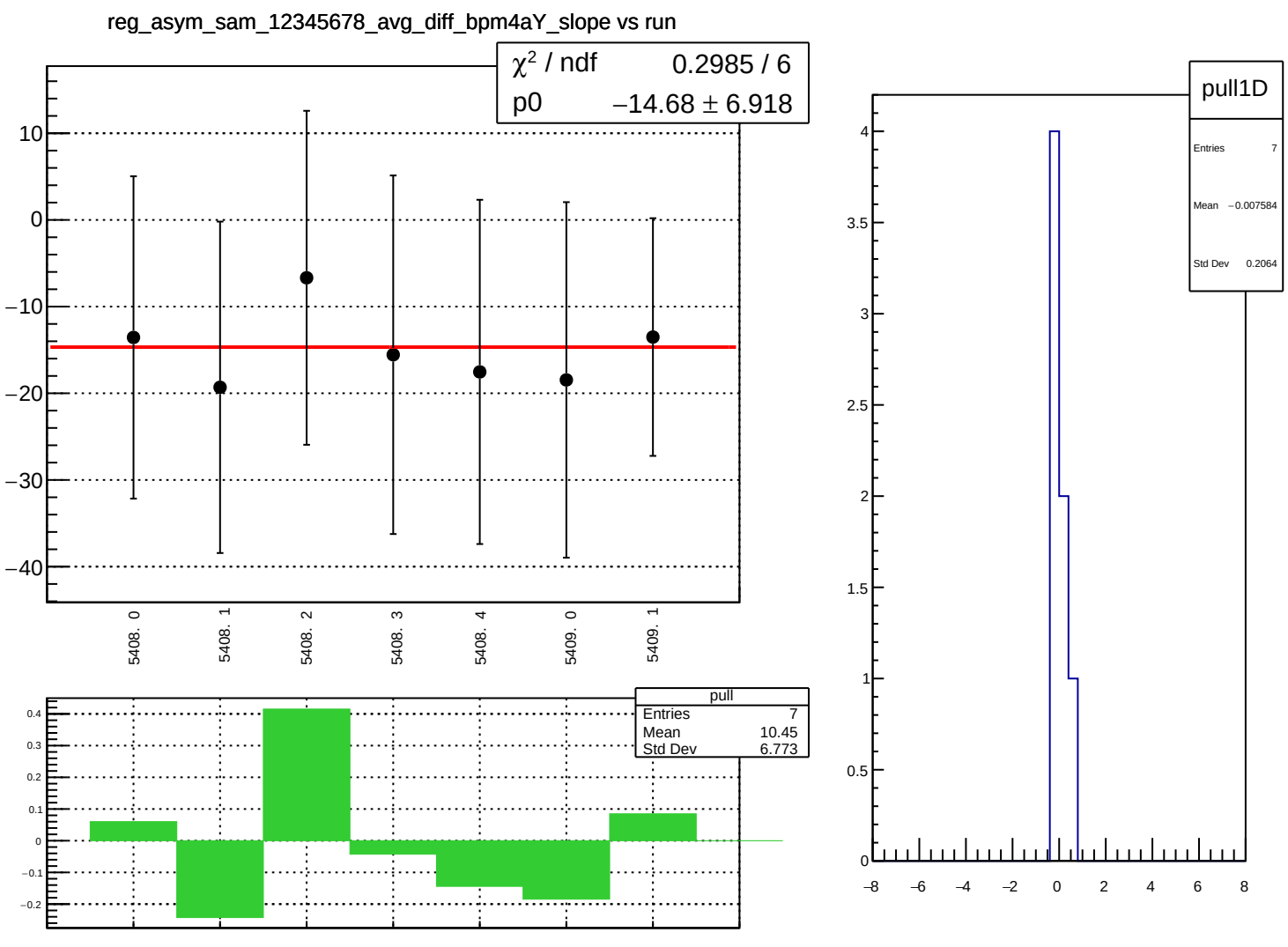

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.3136 / 6
p0 −0.564 ± 3.385
10
5
0
−5
−10
−15
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.17
Std Dev 7.688
0.2
0.1
0
−0.1
−0.2
−0.3

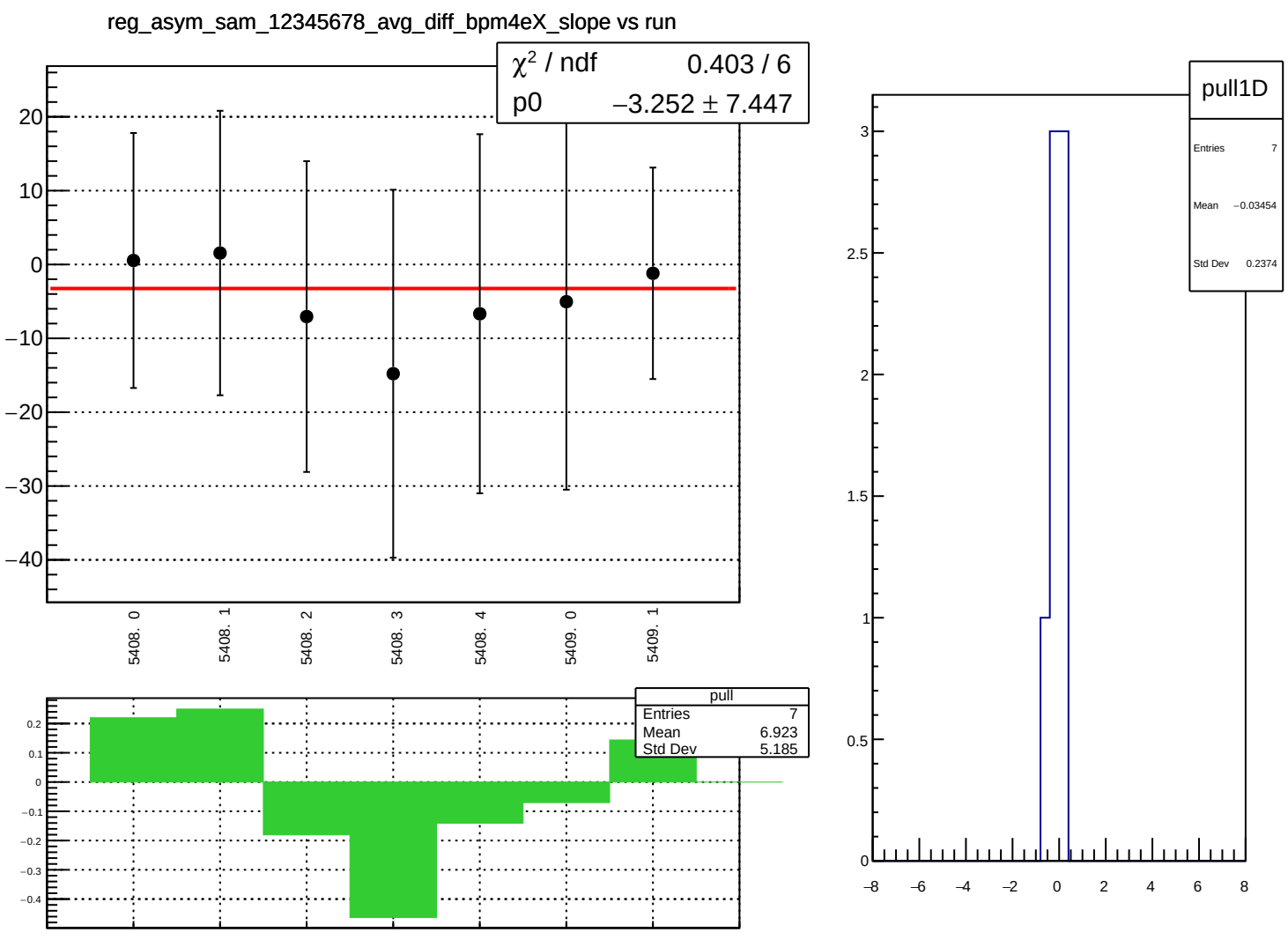

pull1D
Entries 7
Mean −0.0199
Std Dev 0.2107
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

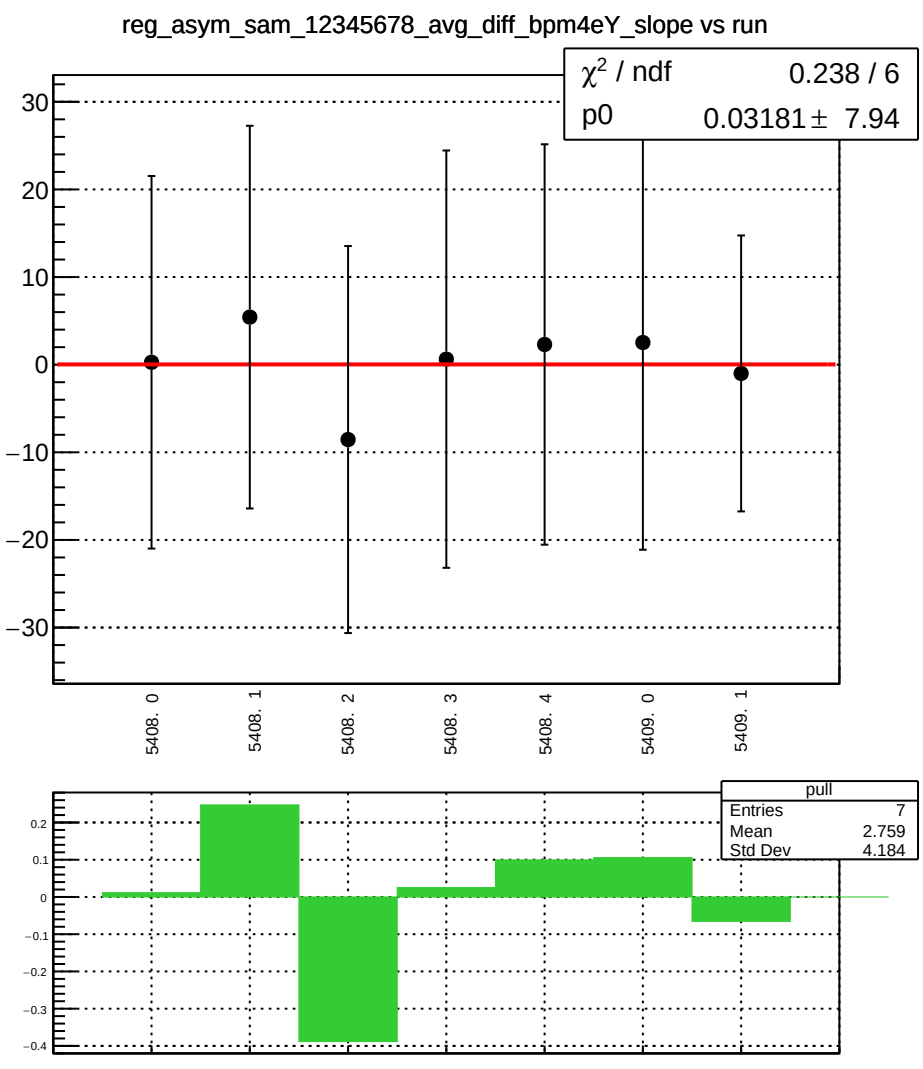

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 0.138 / 6
p0 0.4009 ± 0.1024
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 714.3
Std Dev 711.3
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 7
Mean −0.0002717
Std Dev 0.1404
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

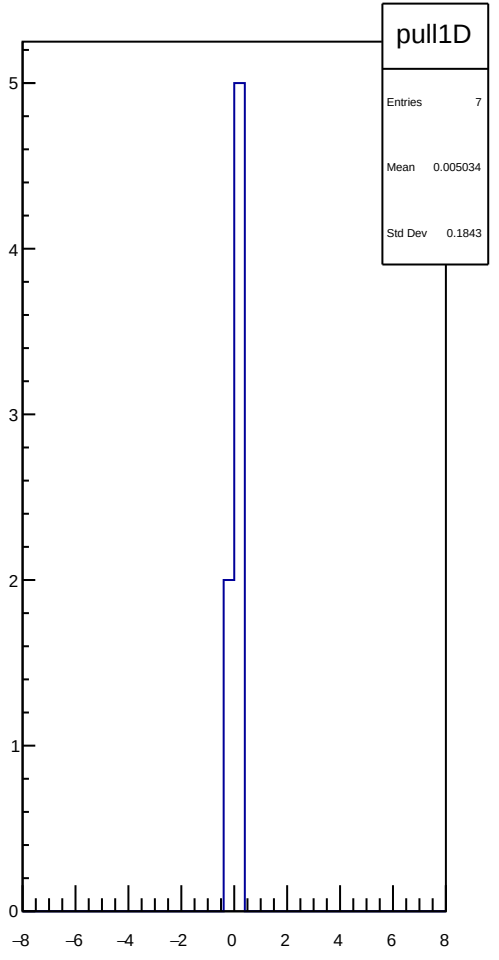

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.7224 / 6
p0 −76.26 ± 7.59
−40
−50
−60
−70
−80
−90
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.12
Std Dev 7.709
0.6
0.4
0.2
0
−0.2
−0.4

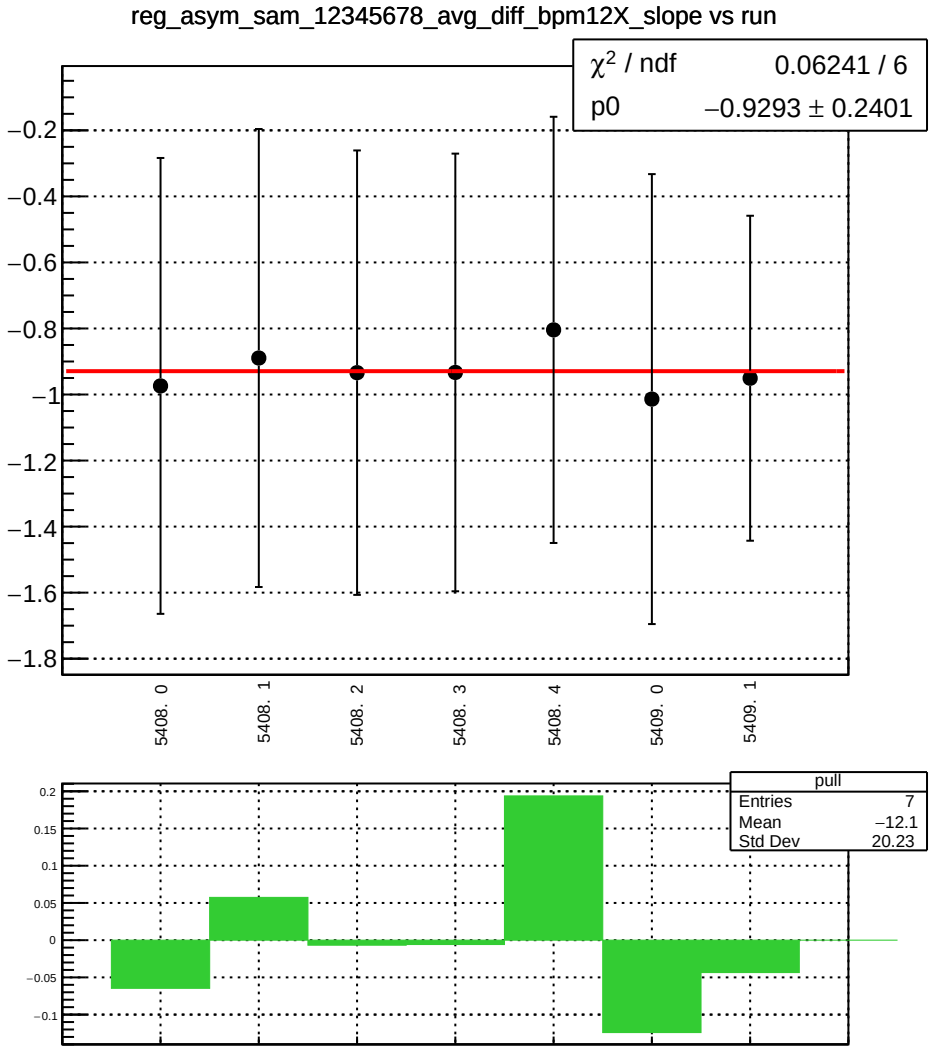

pull1D
Entries 7
Mean 0.04346
Std Dev 0.3183
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

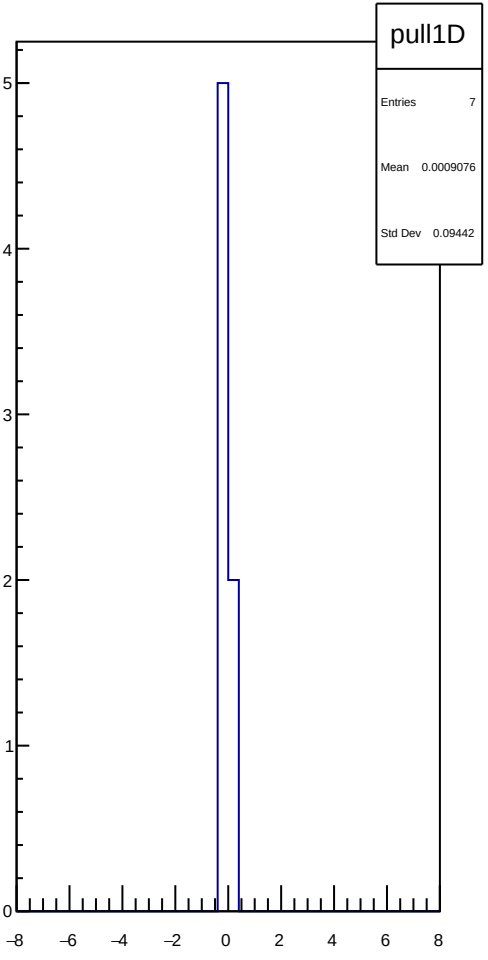

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.2985 / 6
p0 −14.68 ± 6.918
10
0
−10
−20
−30
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.45
Std Dev 6.773
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 7
Mean −0.007584
Std Dev 0.2064
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

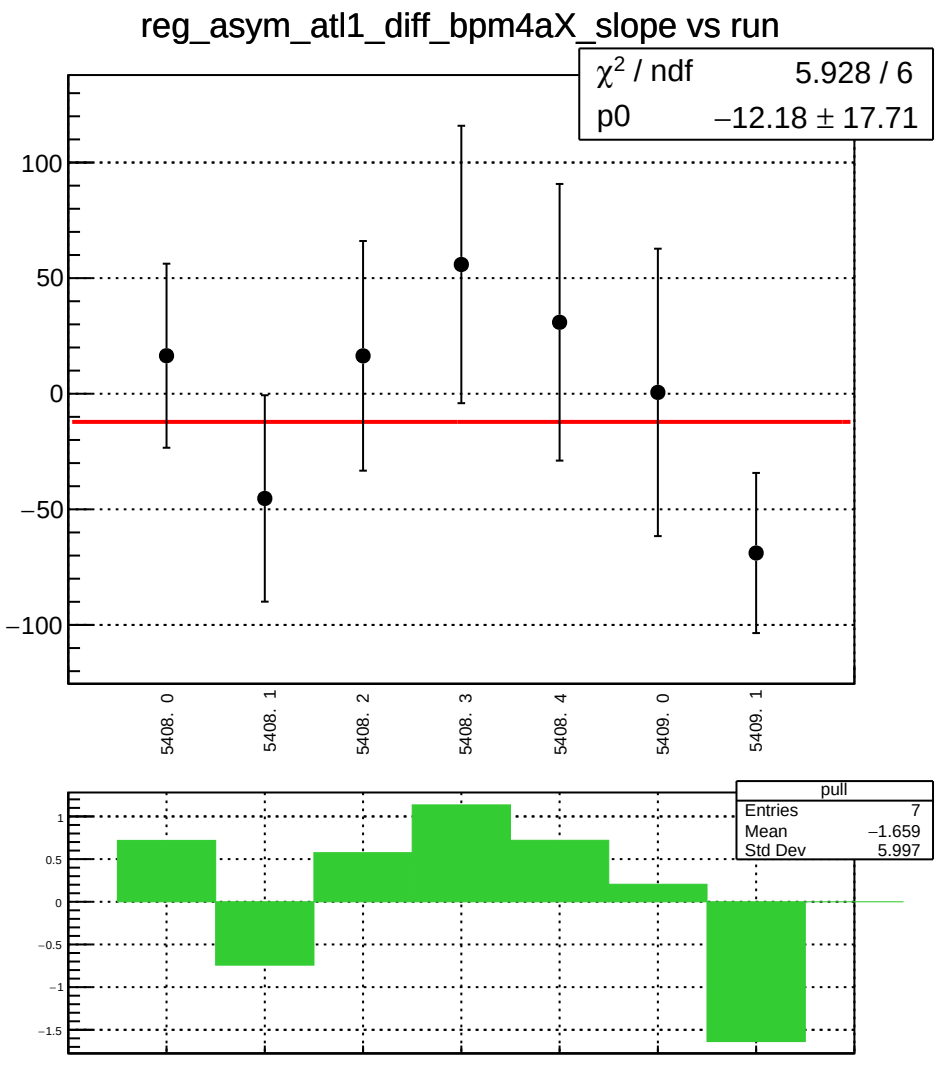

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.403 / 6
p0 −3.252 ± 7.447
20
10
0
−10
−20
−30
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.923
Std Dev 5.185
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 7
Mean −0.03454
Std Dev 0.2374
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

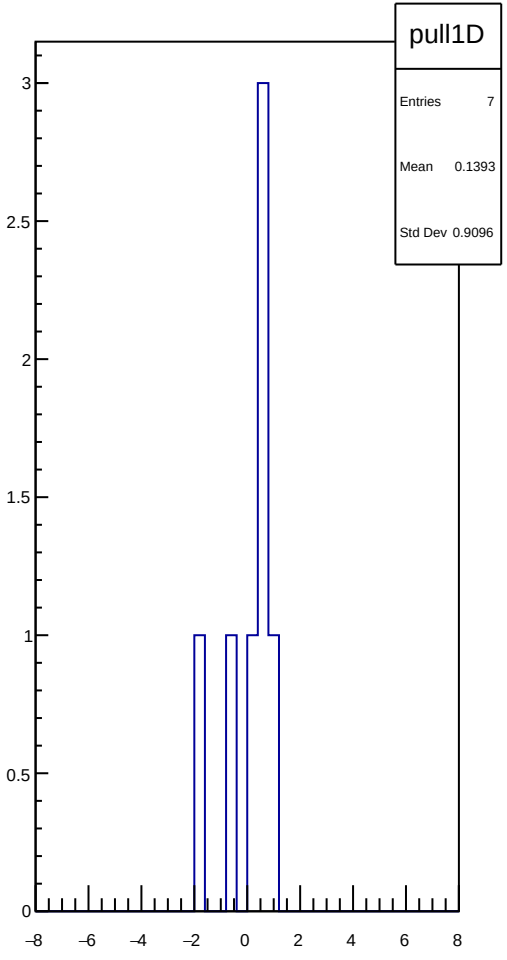

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.238 / 6
p0 0.03181 ± 7.94
30
20
10
0
−10
−20
−30
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 2.759
Std Dev 4.184
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

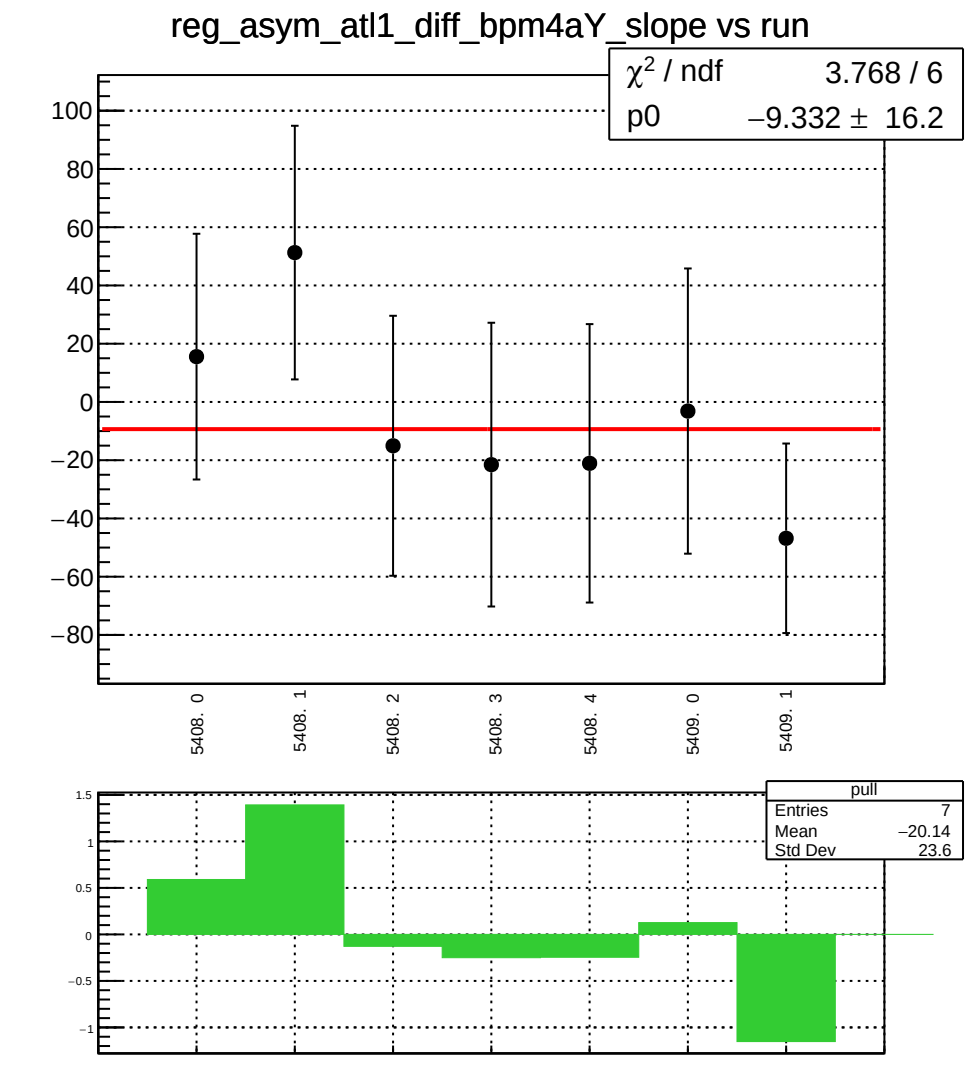

pull1D
Entries 7
Mean 0.005034
Std Dev 0.1843
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

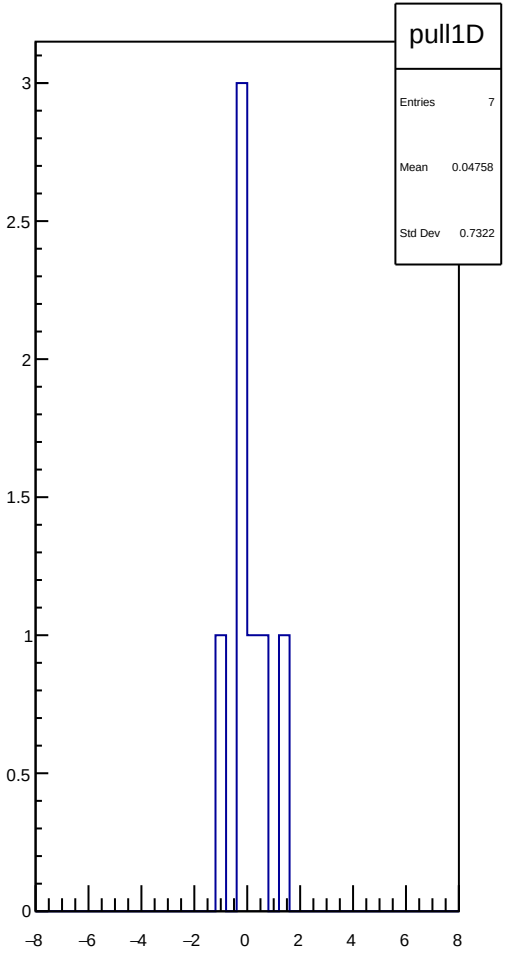

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 0.06241 / 6
p0 −0.9293 ± 0.2401
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −12.1
Std Dev 20.23
0.2
0.15
0.1
0.05
0
−0.05
−0.1

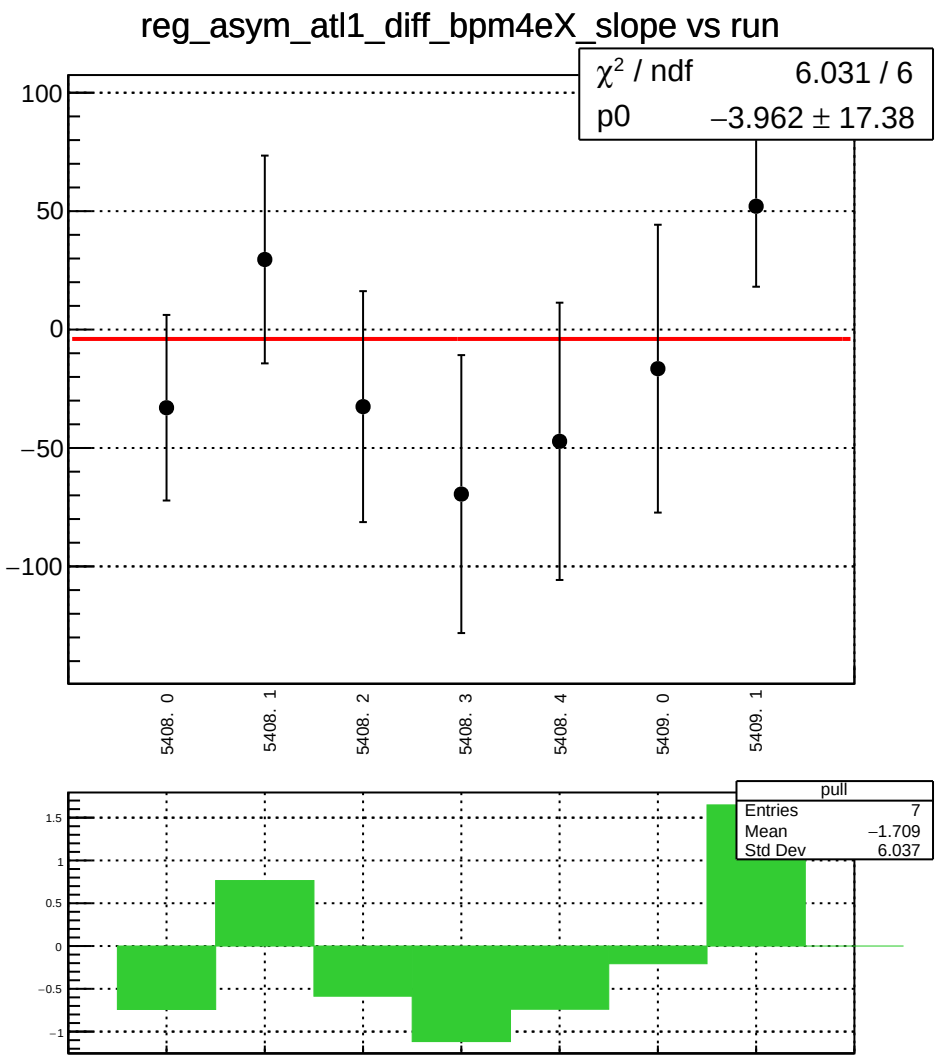

pull1D
Entries 7
Mean 0.0009076
Std Dev 0.09442
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

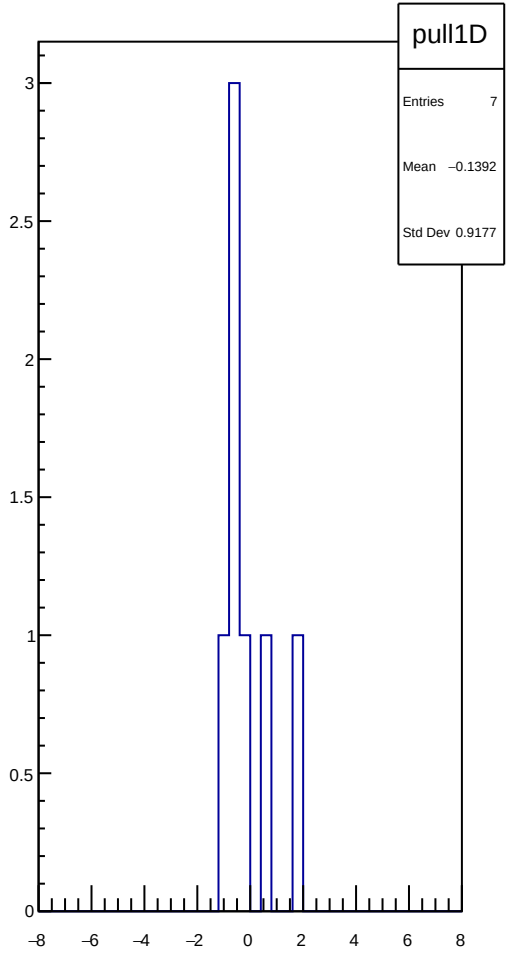

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 5.928 / 6
p0 −12.18 ± 17.71
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.659
Std Dev 5.997
1
0.5
0
−0.5
−1
−1.5

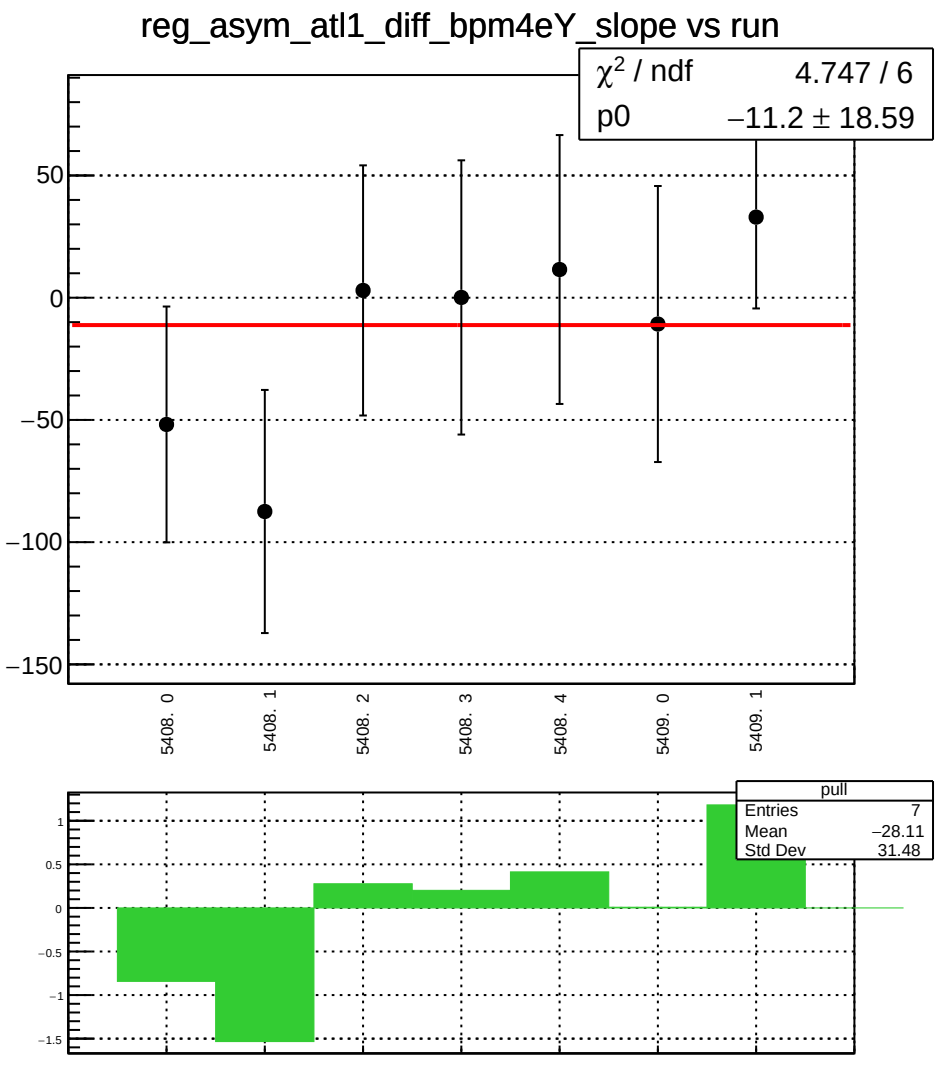

pull1D
Entries 7
Mean 0.1393
Std Dev 0.9096
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

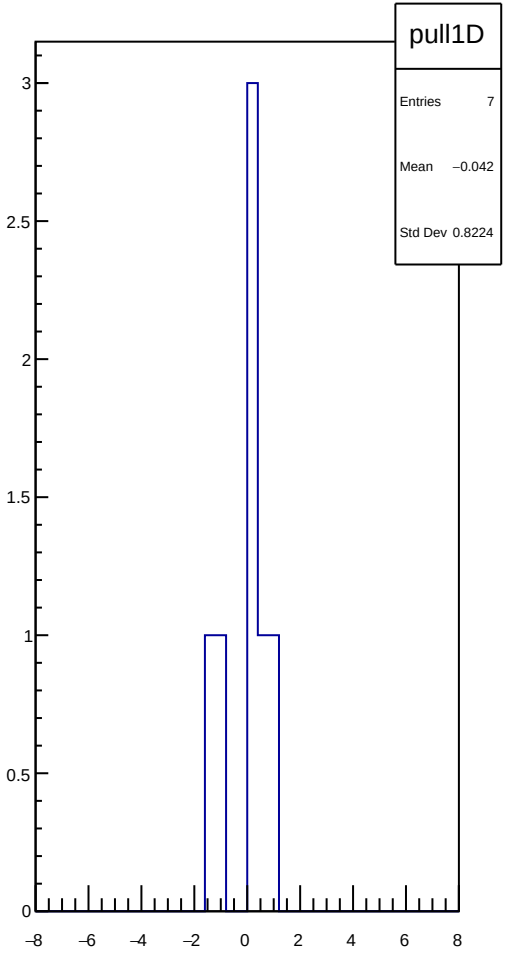

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 3.768 / 6
p0 −9.332 ± 16.2
100
80
60
40
20
0
−20
−40
−60
−80
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −20.14
Std Dev 23.6
1.5
1
0.5
0
−0.5
−1

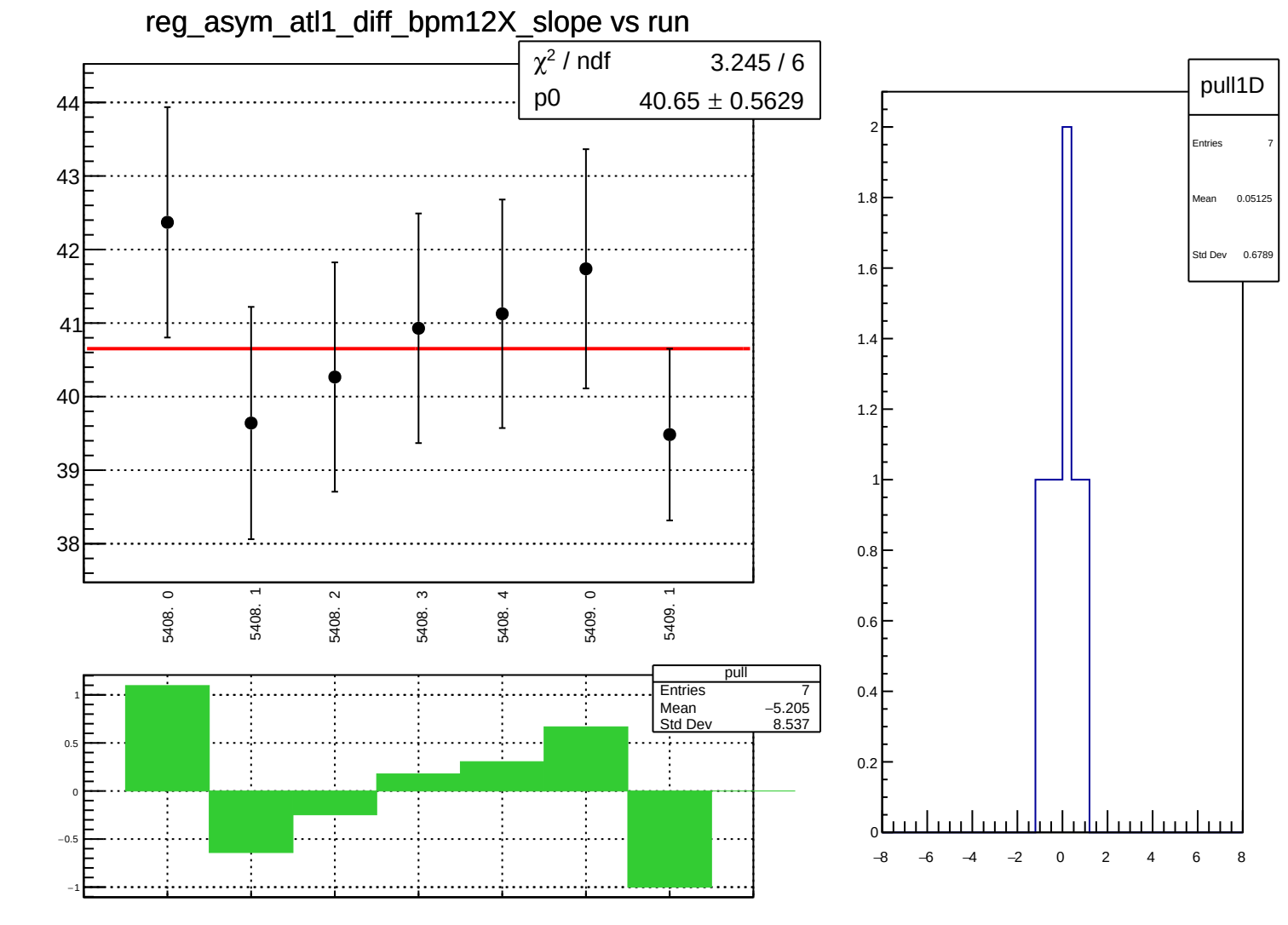

pull1D
Entries 7
Mean 0.04758
Std Dev 0.7322
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

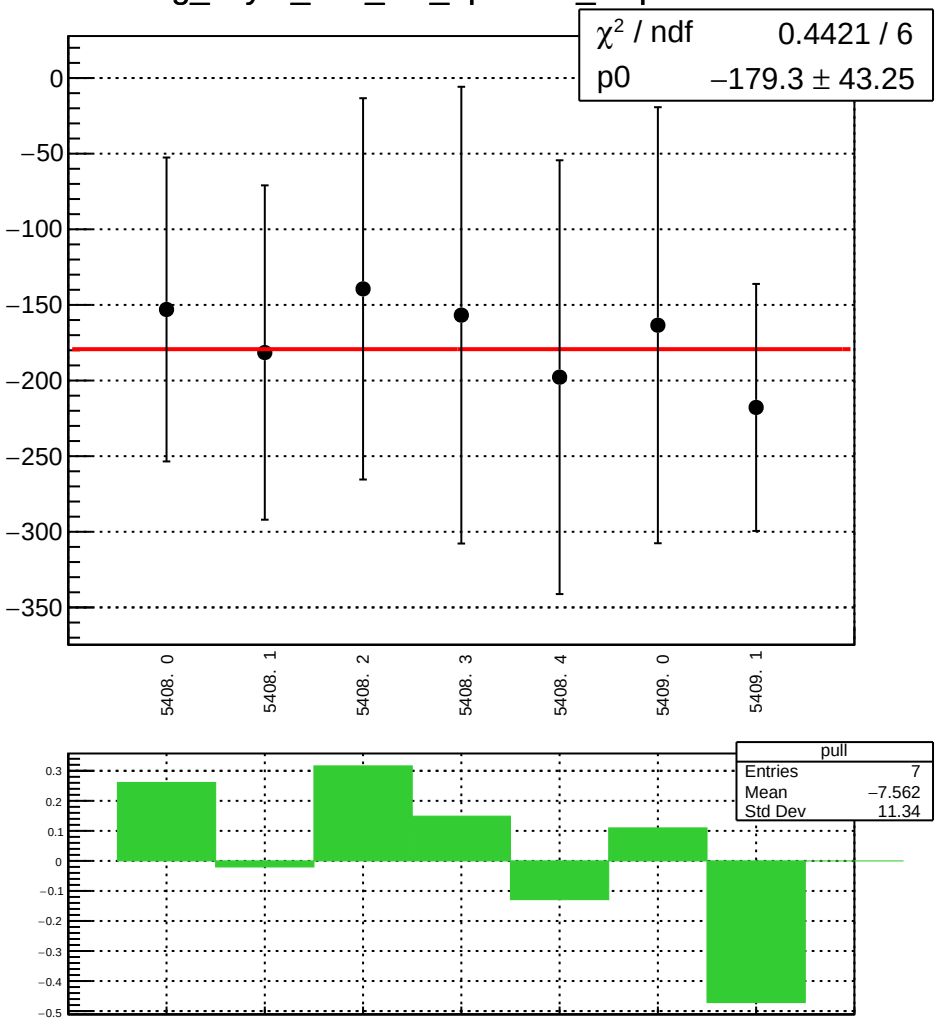

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 6.031 / 6
p0 −3.962 ± 17.38
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.709
Std Dev 6.037
1.5
1
0.5
0
−0.5
−1

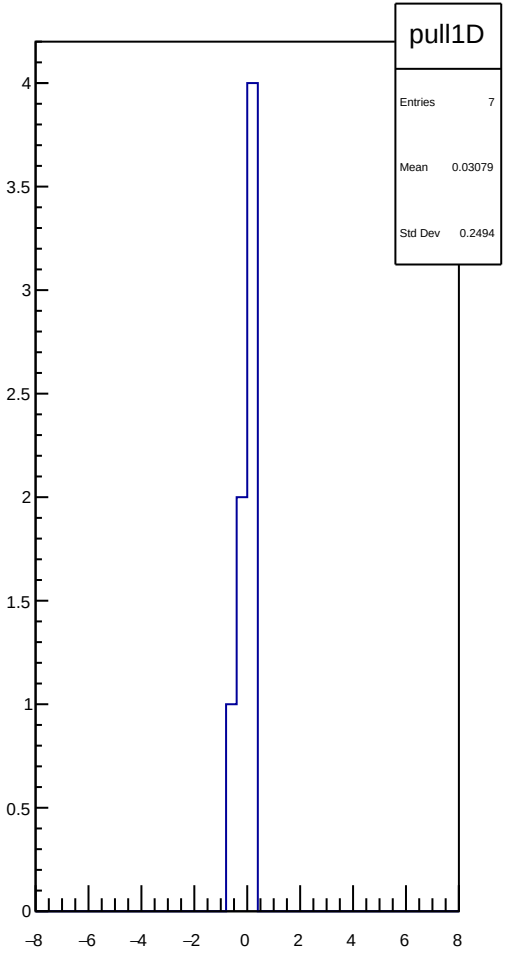

pull1D
Entries 7
Mean −0.1392
Std Dev 0.9177
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

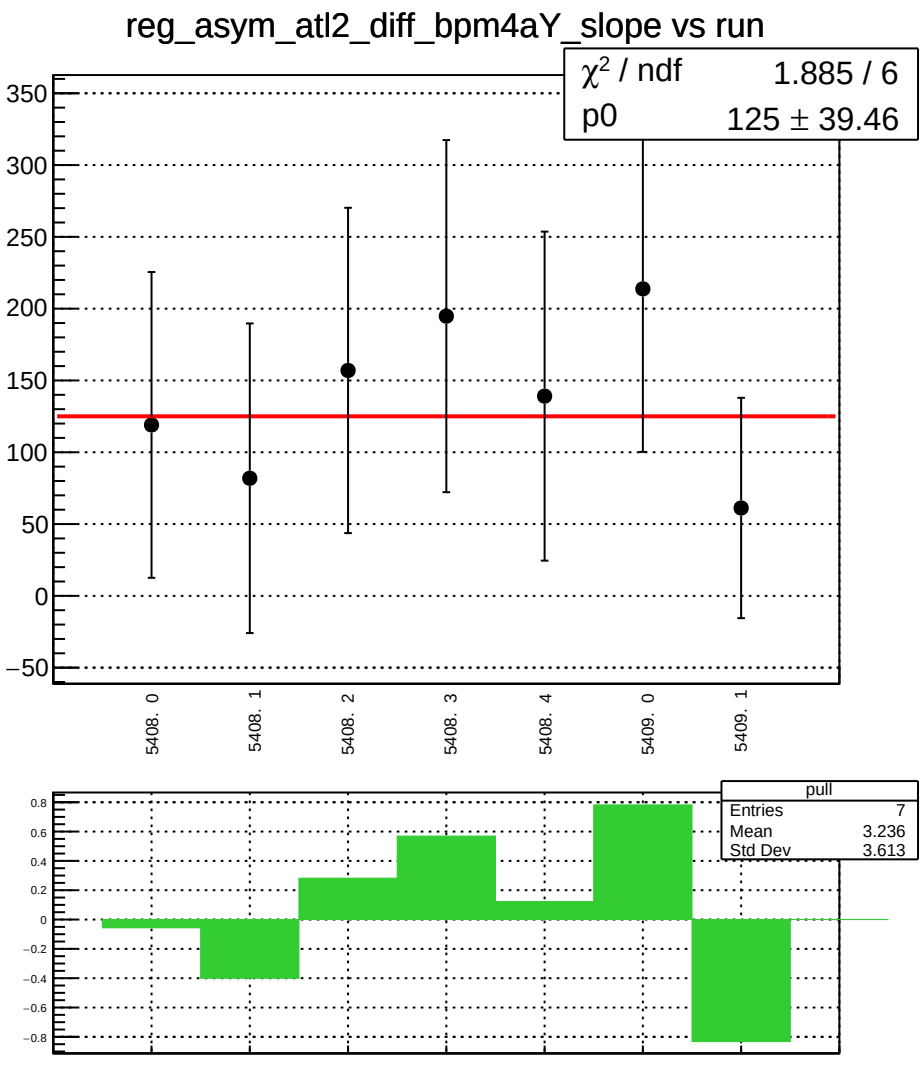

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 4.747 / 6
p0 −11.2 ± 18.59
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −28.11
Std Dev 31.48
1
0.5
0
−0.5
−1
−1.5

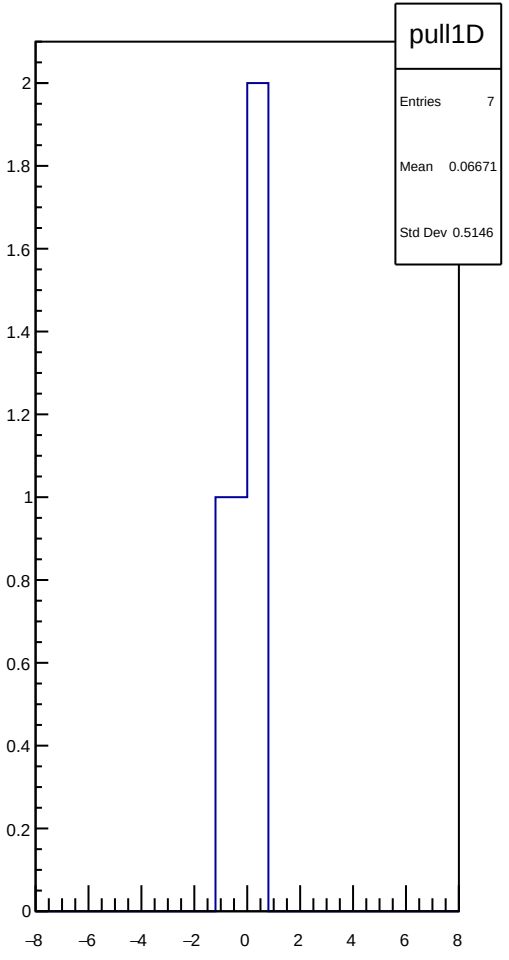

pull1D
Entries 7
Mean −0.042
Std Dev 0.8224
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

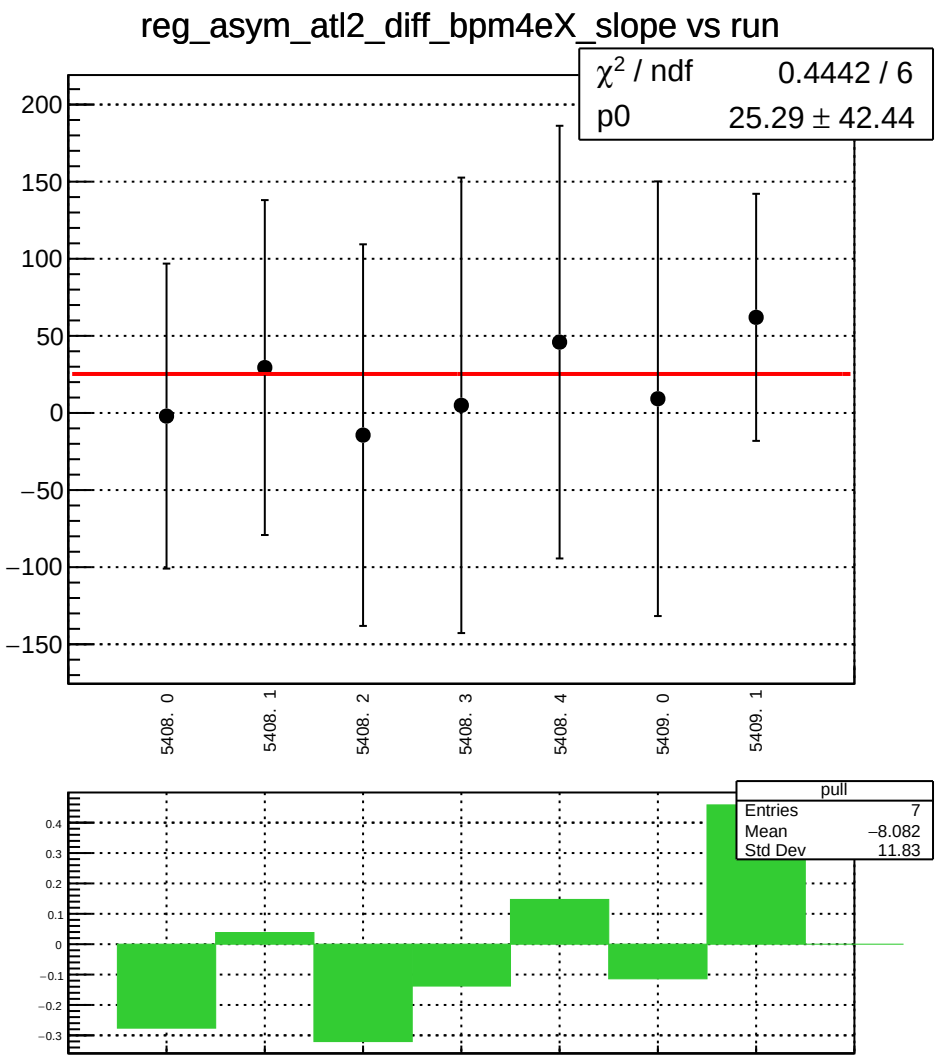

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 3.245 / 6
p0 40.65 ± 0.5629
44
43
42
41
40
39
38
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −5.205
Std Dev 8.537
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.05125
Std Dev 0.6789
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

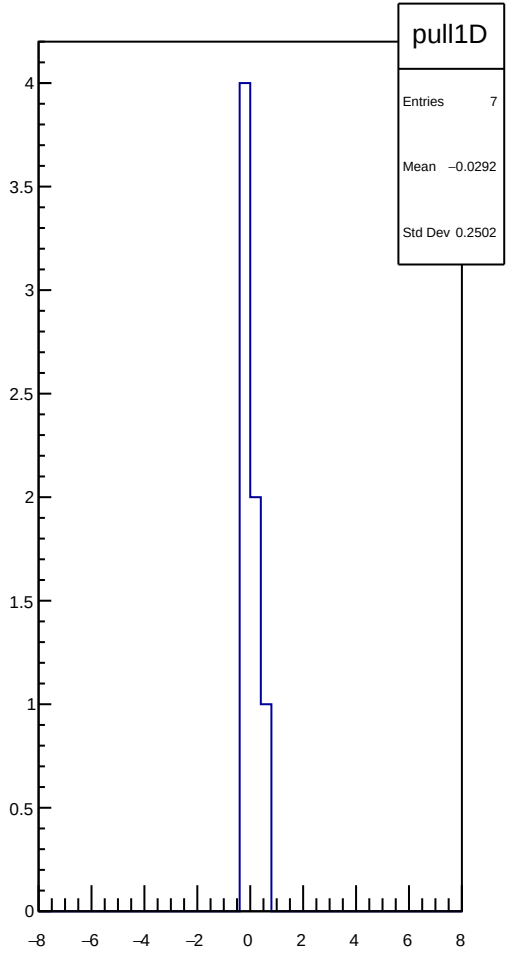

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 0.4421 / 6
p0 −179.3 ± 43.25
0
−50
−100
−150
−200
−250
−300
−350
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.562
Std Dev 11.34
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

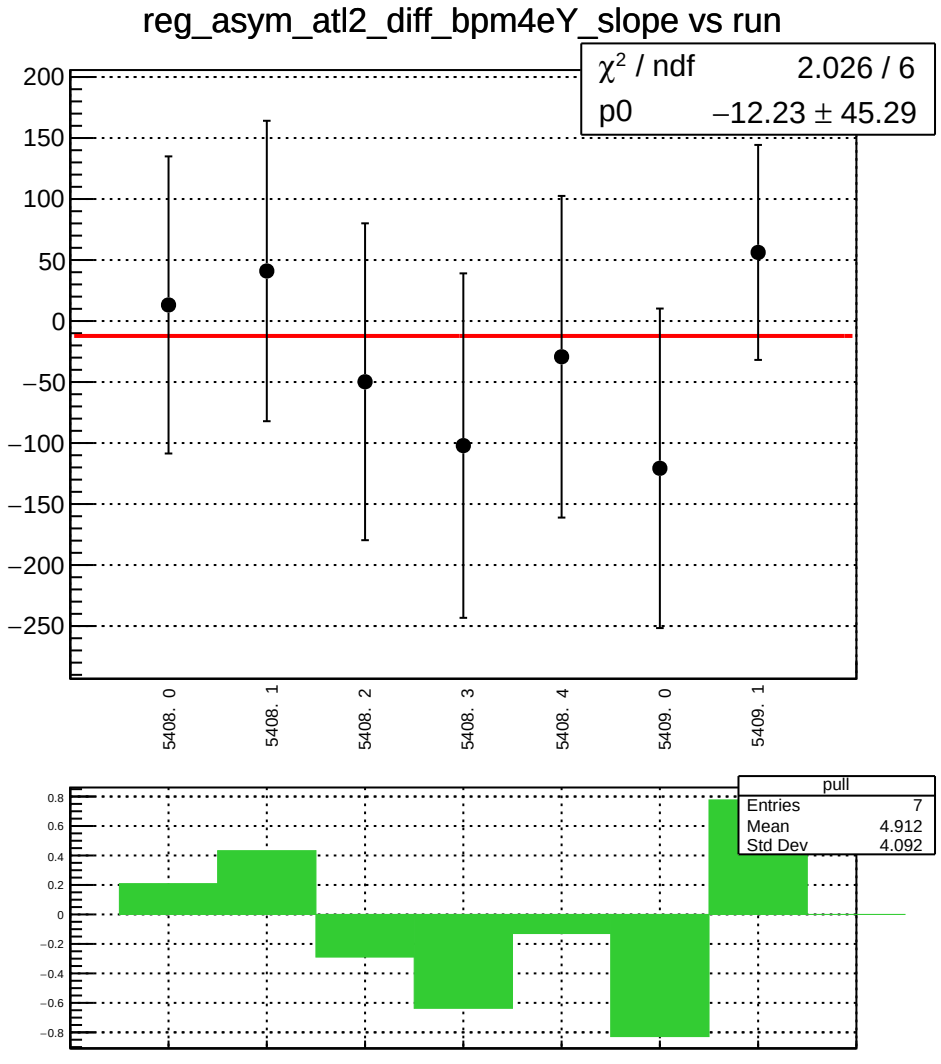

pull1D
Entries 7
Mean 0.03079
Std Dev 0.2494
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

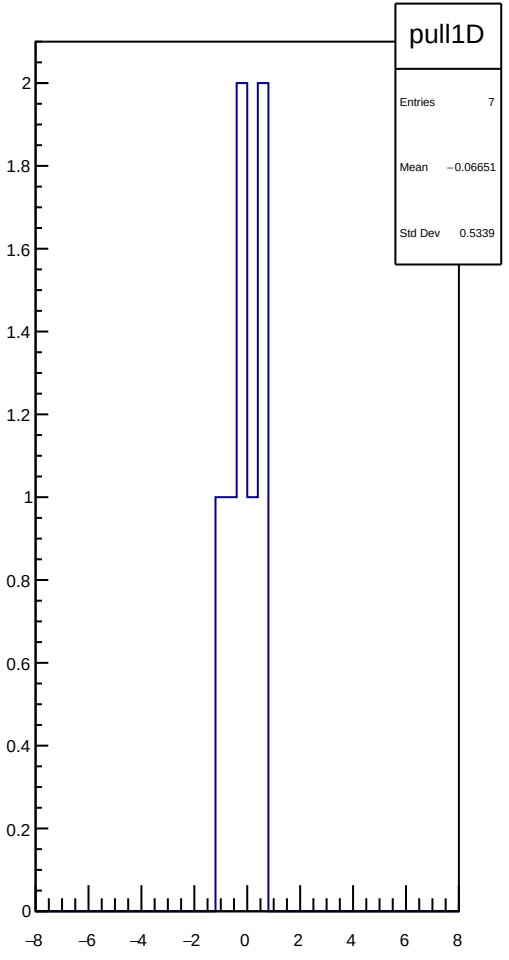

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 1.885 / 6
p0 125 ± 39.46
350
300
250
200
150
100
50
0
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.236
Std Dev 3.613
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

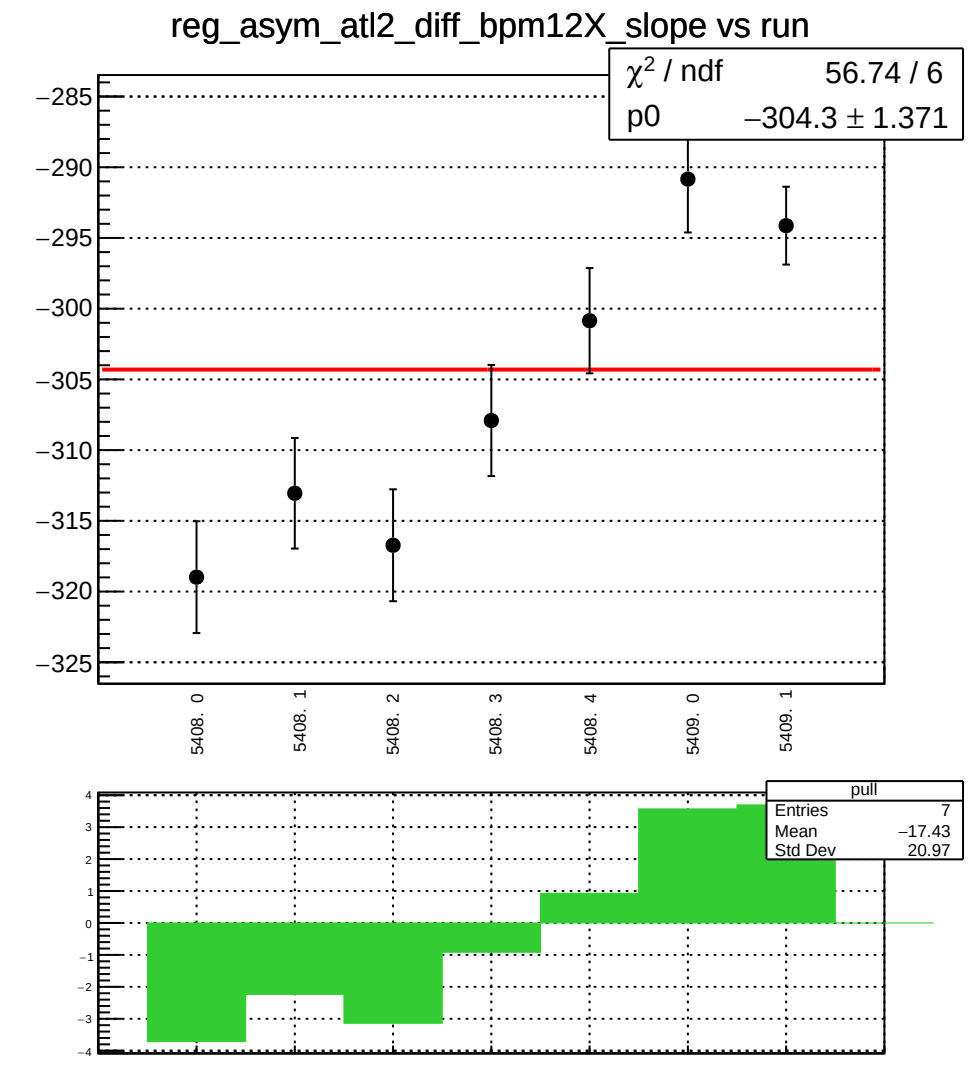

pull1D
Entries 7
Mean 0.06671
Std Dev 0.5146
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

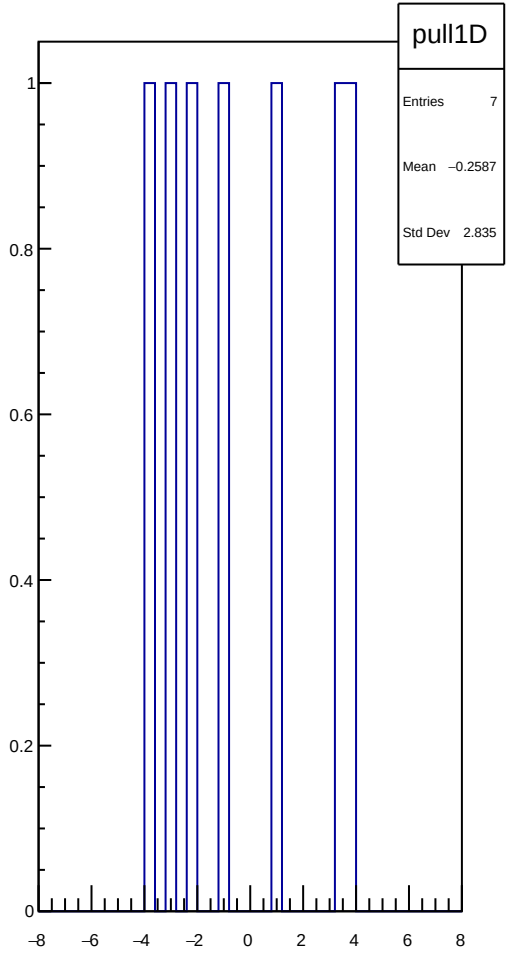

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 0.4442 / 6
p0 25.29 ± 42.44
200
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −8.082
Std Dev 11.83
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

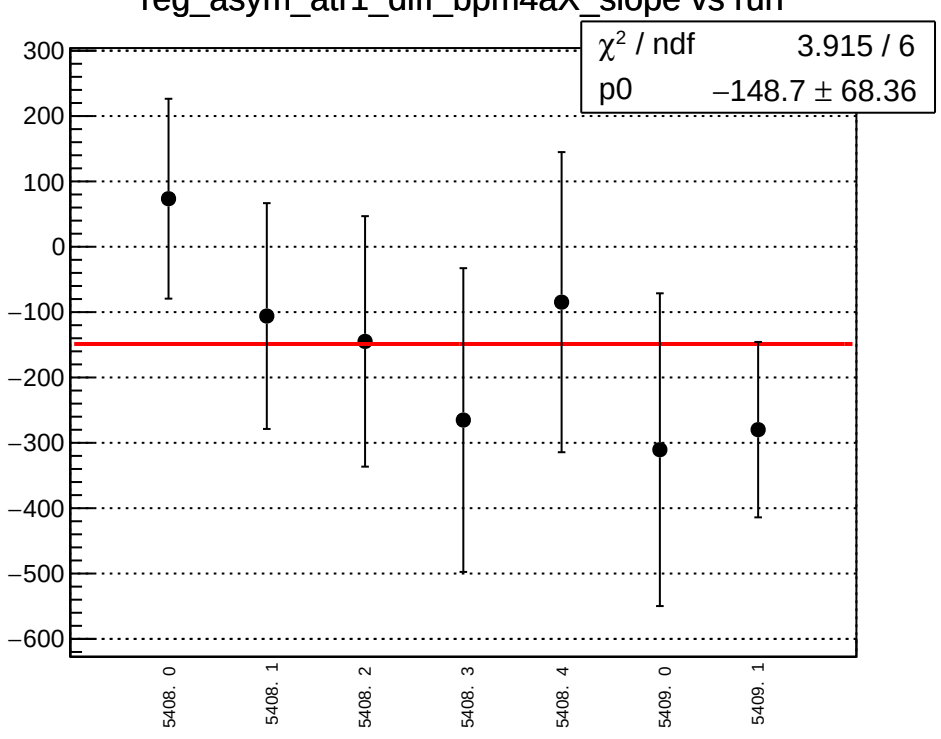

pull1D
Entries 7
Mean −0.0292
Std Dev 0.2502
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

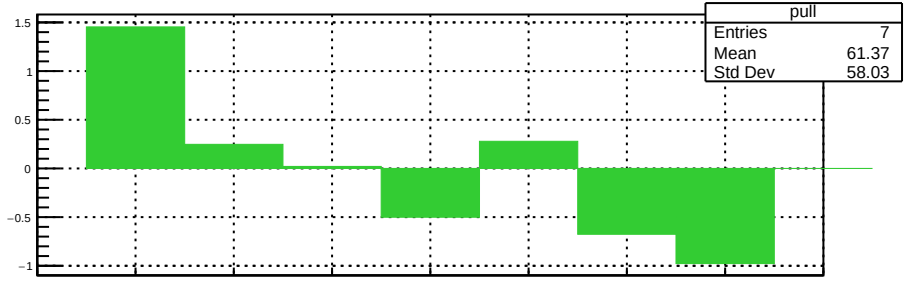

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 2.026 / 6
p0 −12.23 ± 45.29
200
150
100
50
0
−50
−100
−150
−200
−250
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.912
Std Dev 4.092
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

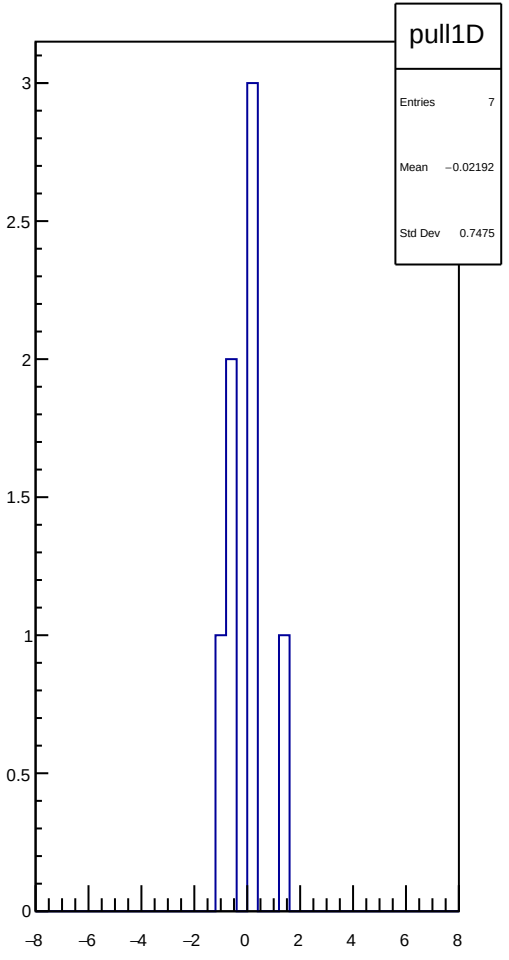

pull1D
Entries 7
Mean −0.06651
Std Dev 0.5339
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

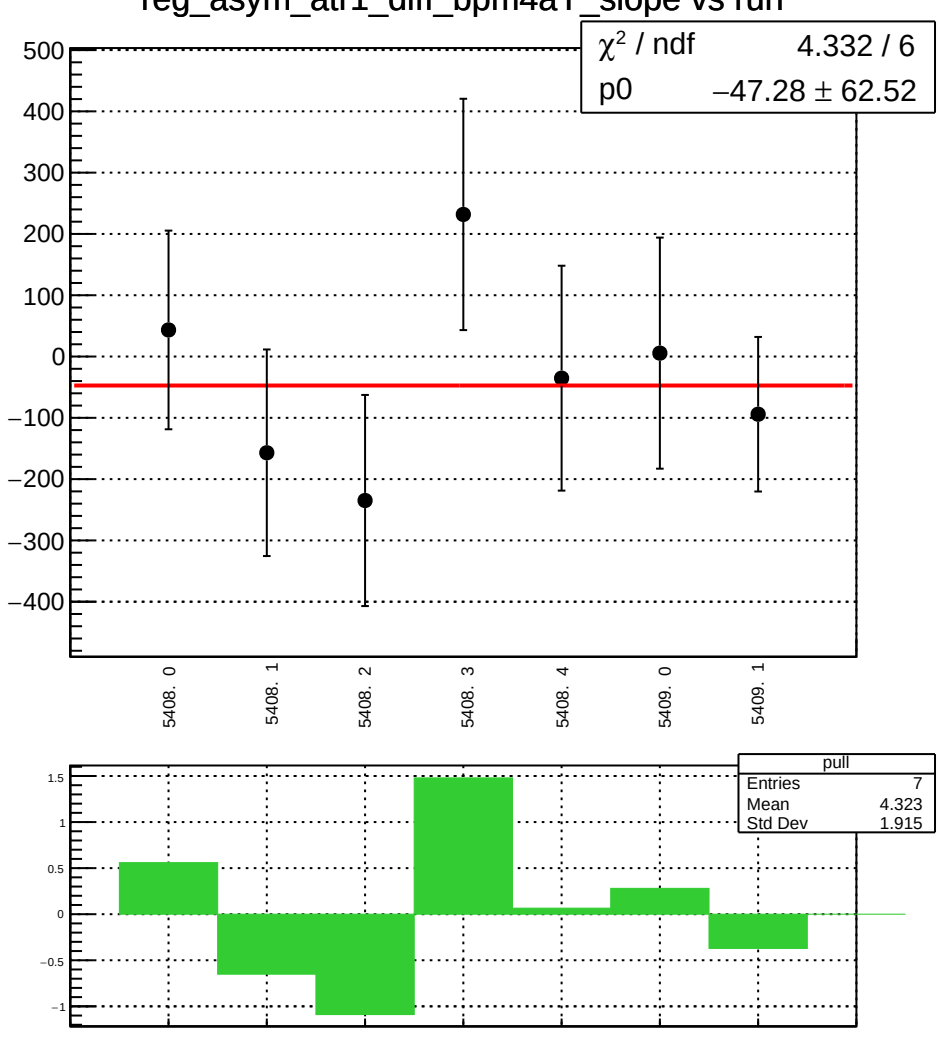

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 56.74 / 6
p0 −304.3 ± 1.371
−285
−290
−295
−300
−305
−310
−315
−320
−325
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −17.43
Std Dev 20.97
4
3
2
1
0
−1
−2
−3
−4

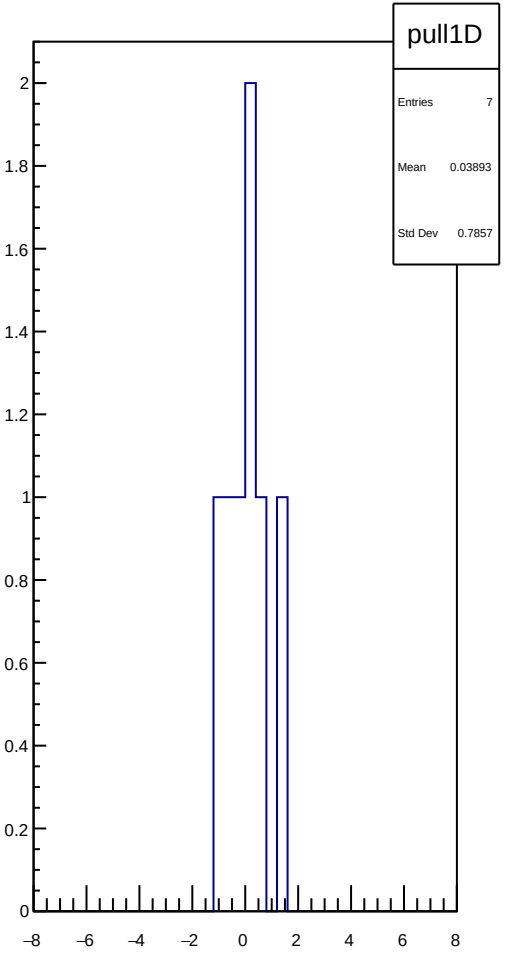

pull1D
Entries 7
Mean −0.2587
Std Dev 2.835
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

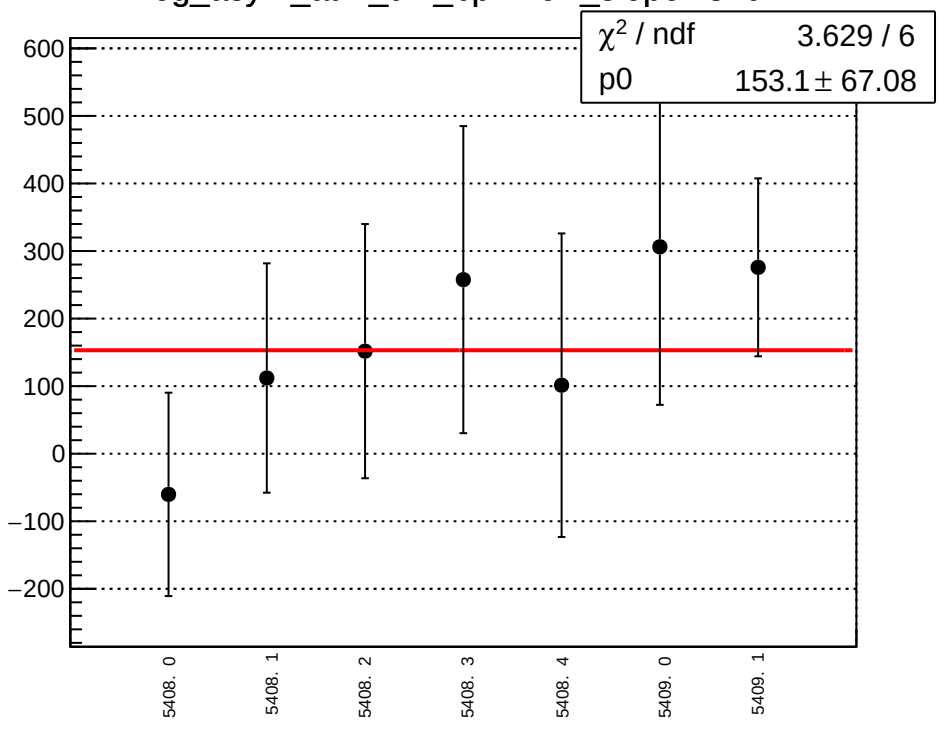

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 3.915 / 6
p0 −148.7 ± 68.36
300
200
100
0
−100
−200
−300
−400
−500
−600
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

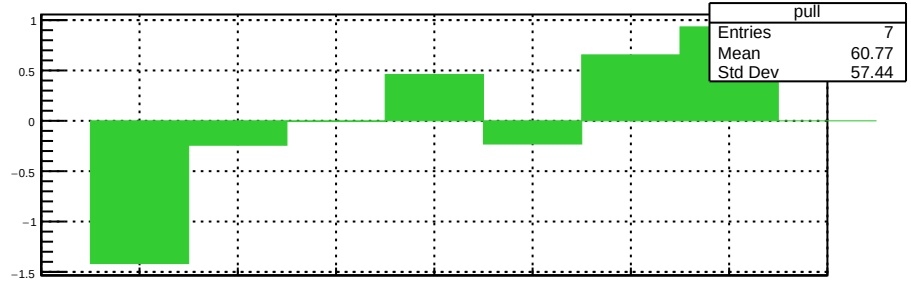

pull
Entries 7
Mean 61.37
Std Dev 58.03
1.5
1
0.5
0
−0.5
−1

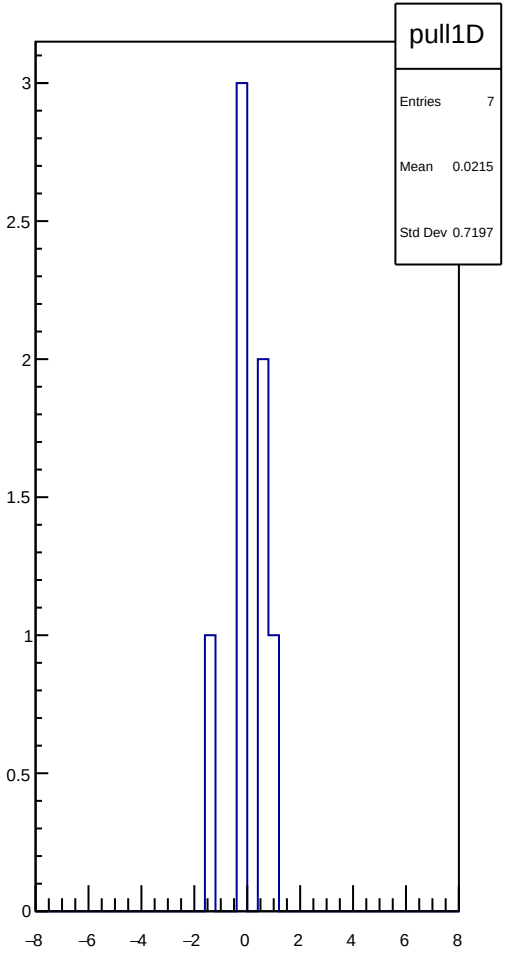

pull1D
Entries 7
Mean −0.02192
Std Dev 0.7475
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

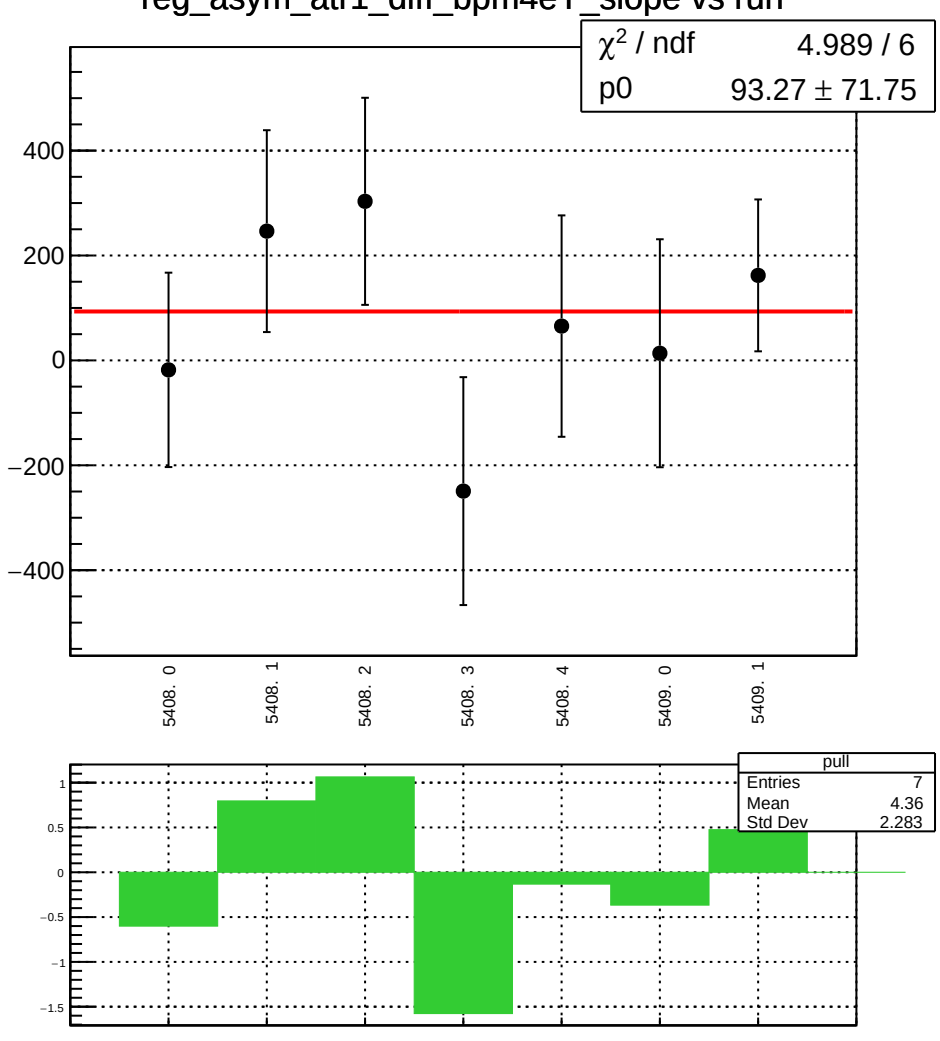

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 4.332 / 6
p0 −47.28 ± 62.52
500
400
300
200
100
0
−100
−200
−300
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.323
Std Dev 1.915
1.5
1
0.5
0
−0.5
−1

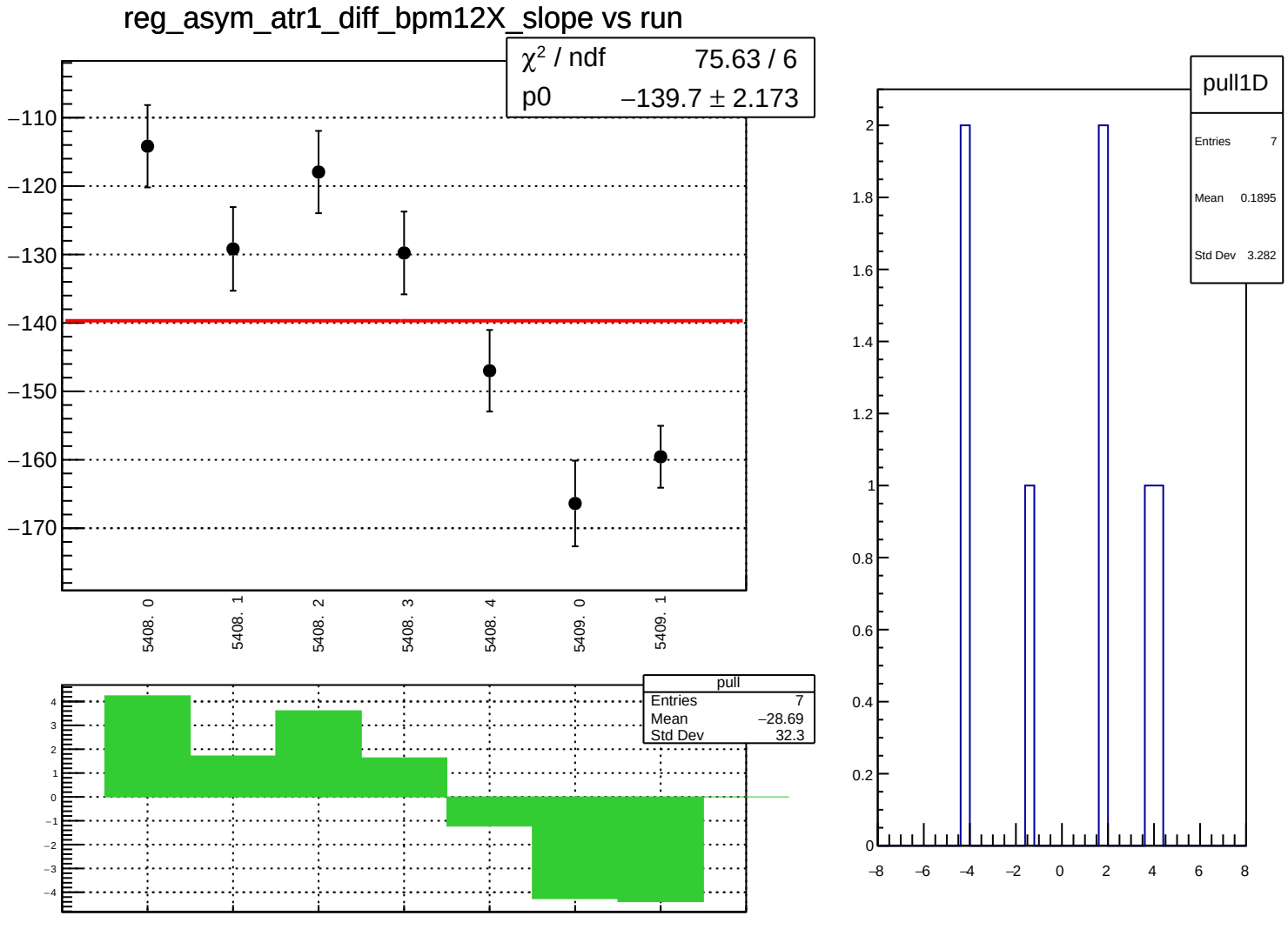

pull1D
Entries 7
Mean 0.03893
Std Dev 0.7857
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

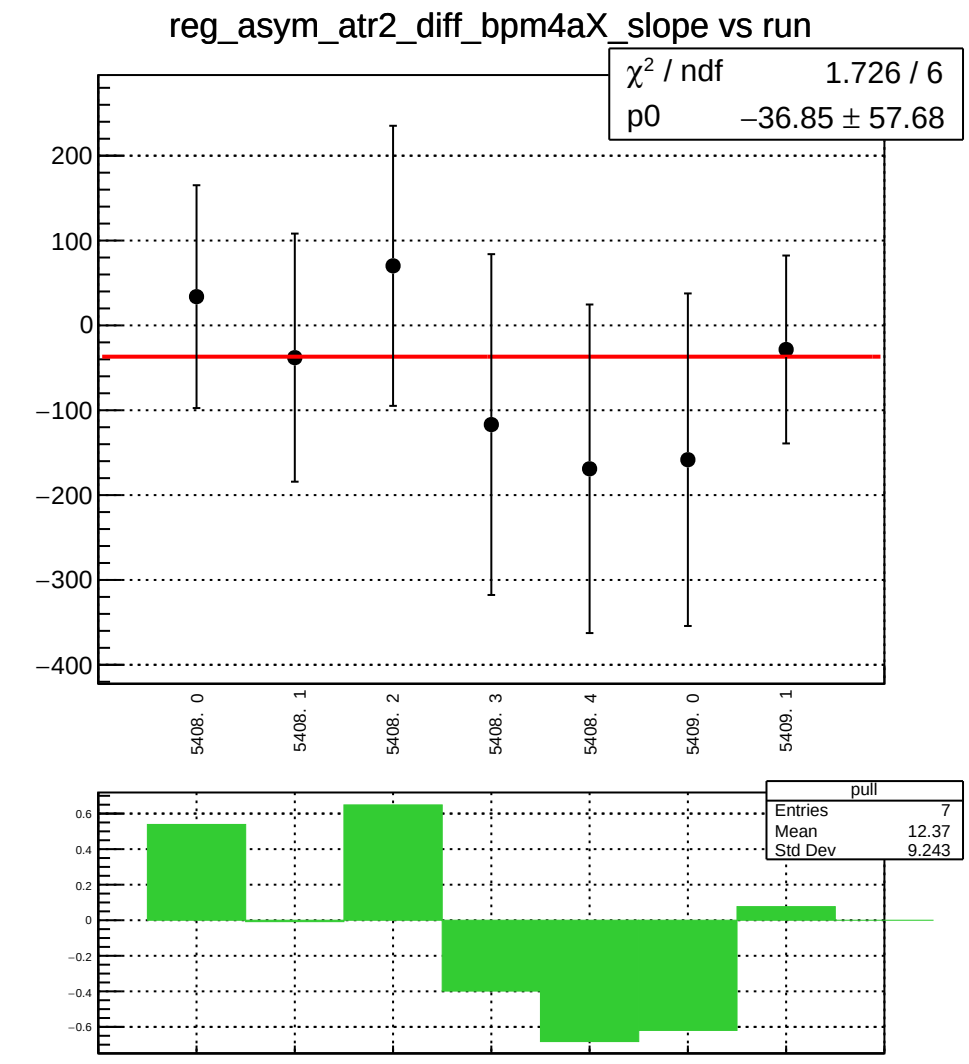

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 3.629 / 6
p0 153.1 ± 67.08
600
500
400
300
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

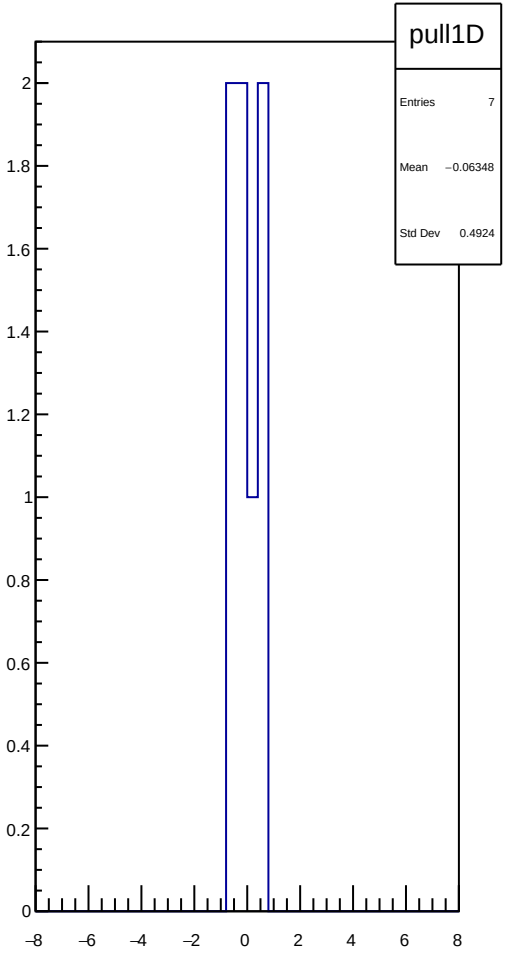

pull
Entries 7
Mean 60.77
Std Dev 57.44
1
0.5
0
−0.5
−1
−1.5

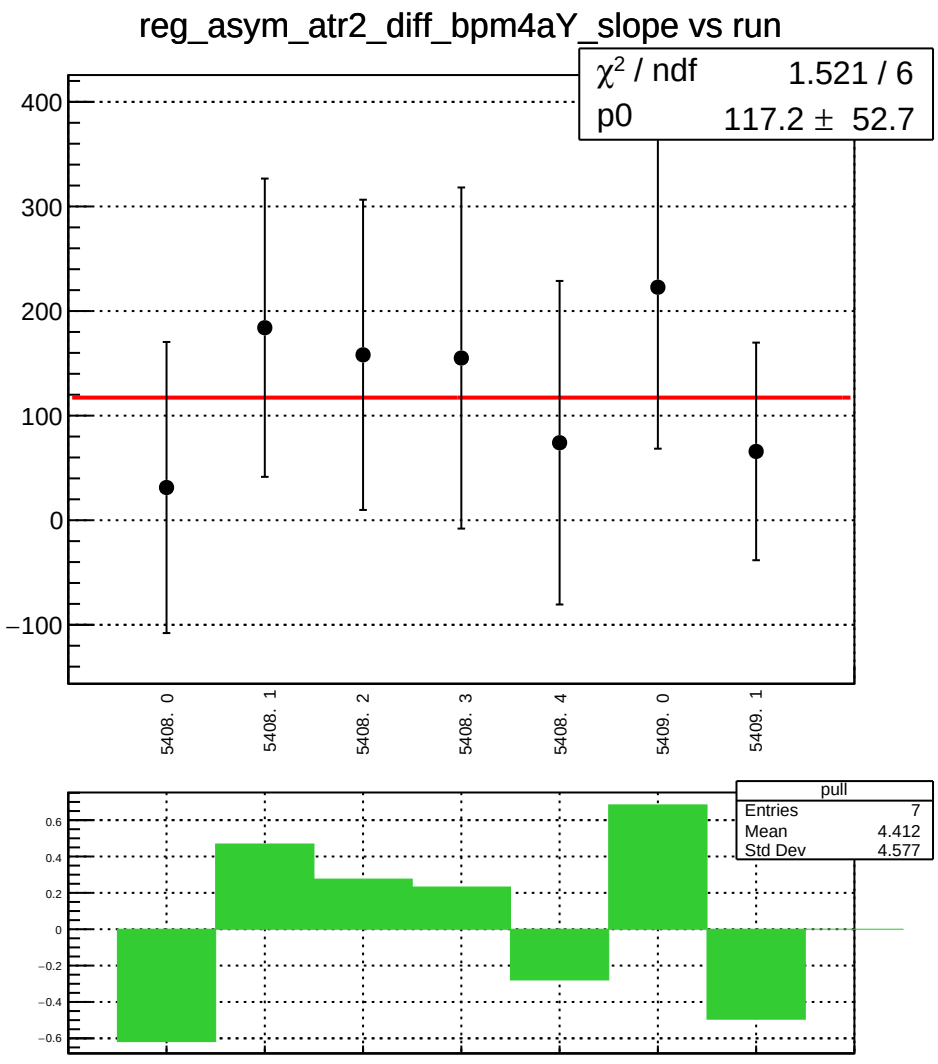

pull1D
Entries 7
Mean 0.0215
Std Dev 0.7197
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

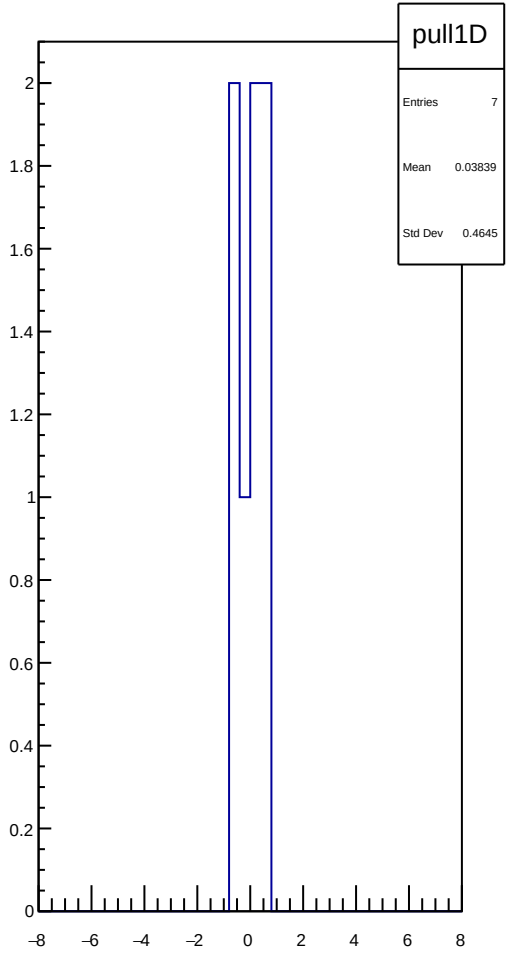

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 4.989 / 6
p0 93.27 ± 71.75
400
200
0
−200
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.36
Std Dev 2.283
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.0486
Std Dev 0.8428
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

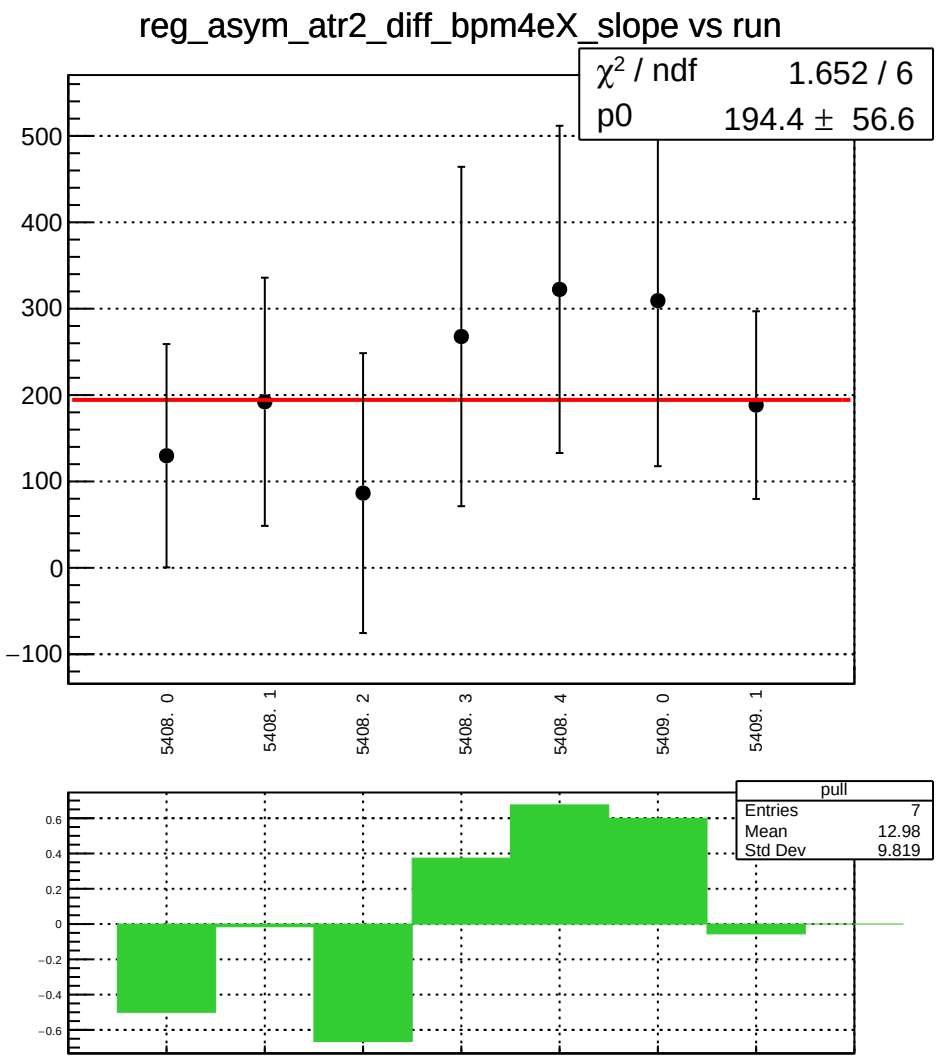

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 75.63 / 6
p0 −139.7 ± 2.173
−110
−120
−130
−140
−150
−160
−170
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −28.69
Std Dev 32.3
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 7
Mean 0.1895
Std Dev 3.282
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

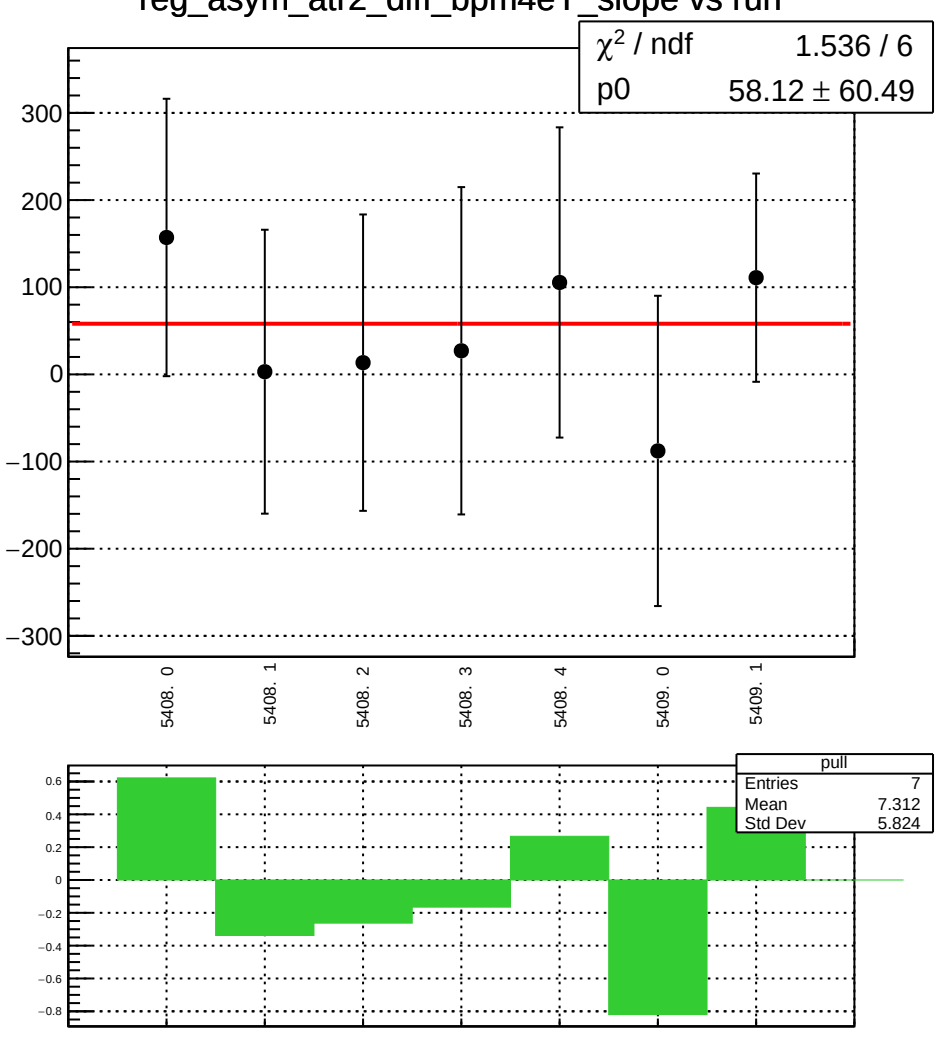

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 1.726 / 6
p0 −36.85 ± 57.68
200
100
0
−100
−200
−300
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.37
Std Dev 9.243
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

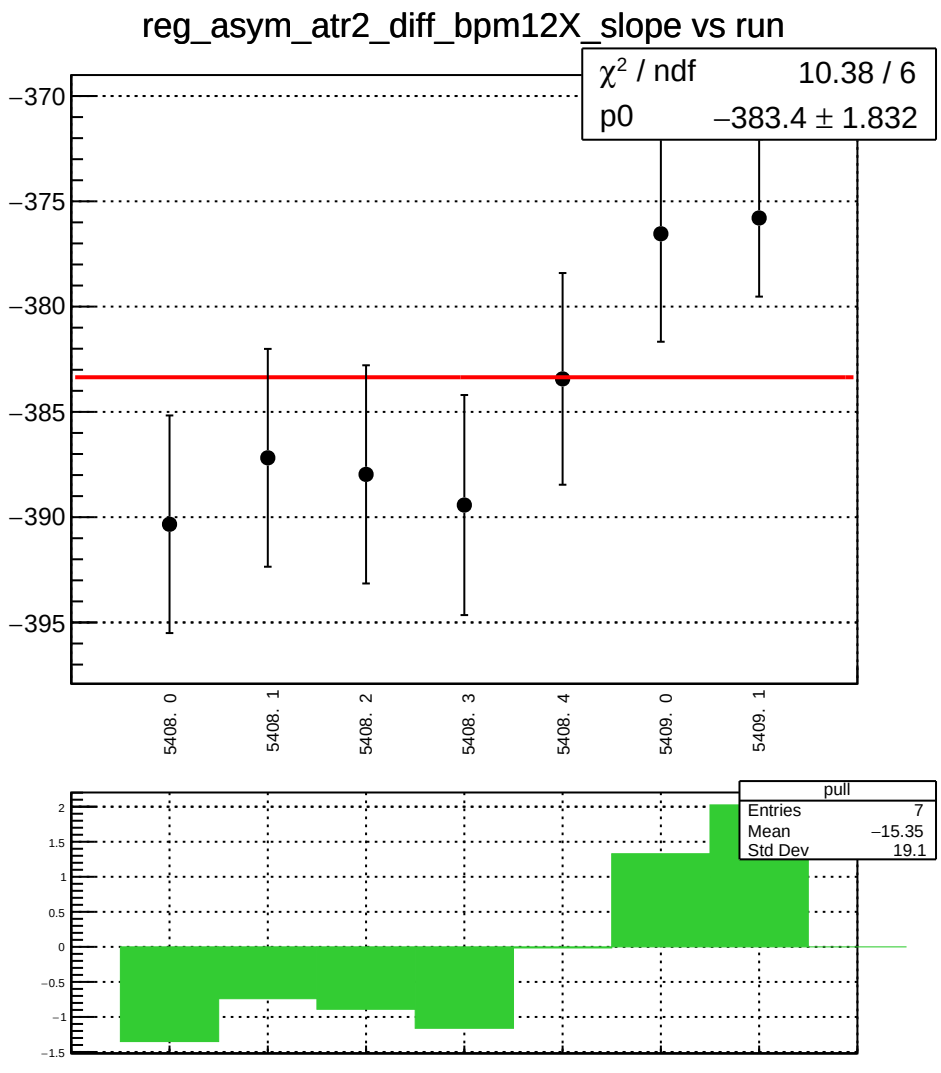

pull1D
Entries 7
Mean −0.06348
Std Dev 0.4924
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

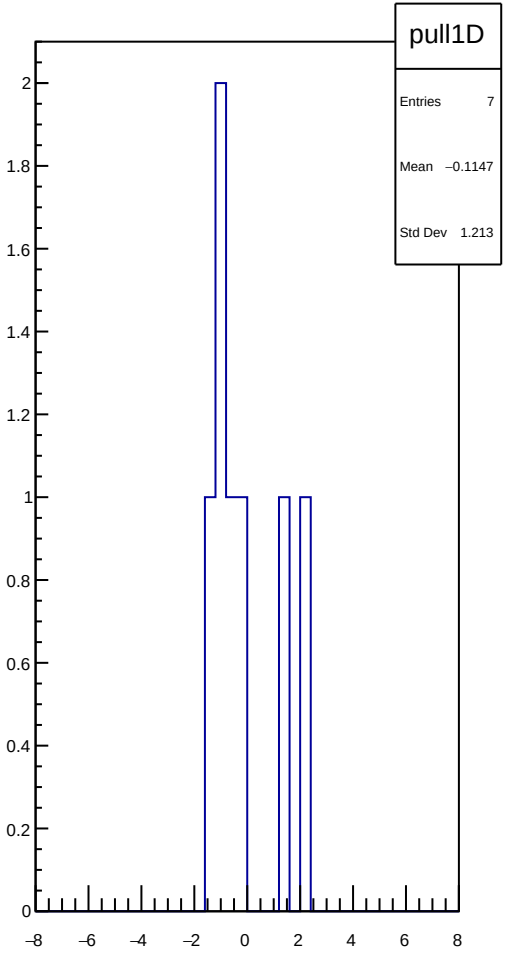

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 1.521 / 6
p0 117.2 ± 52.7
400
300
200
100
0
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.412
Std Dev 4.577
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

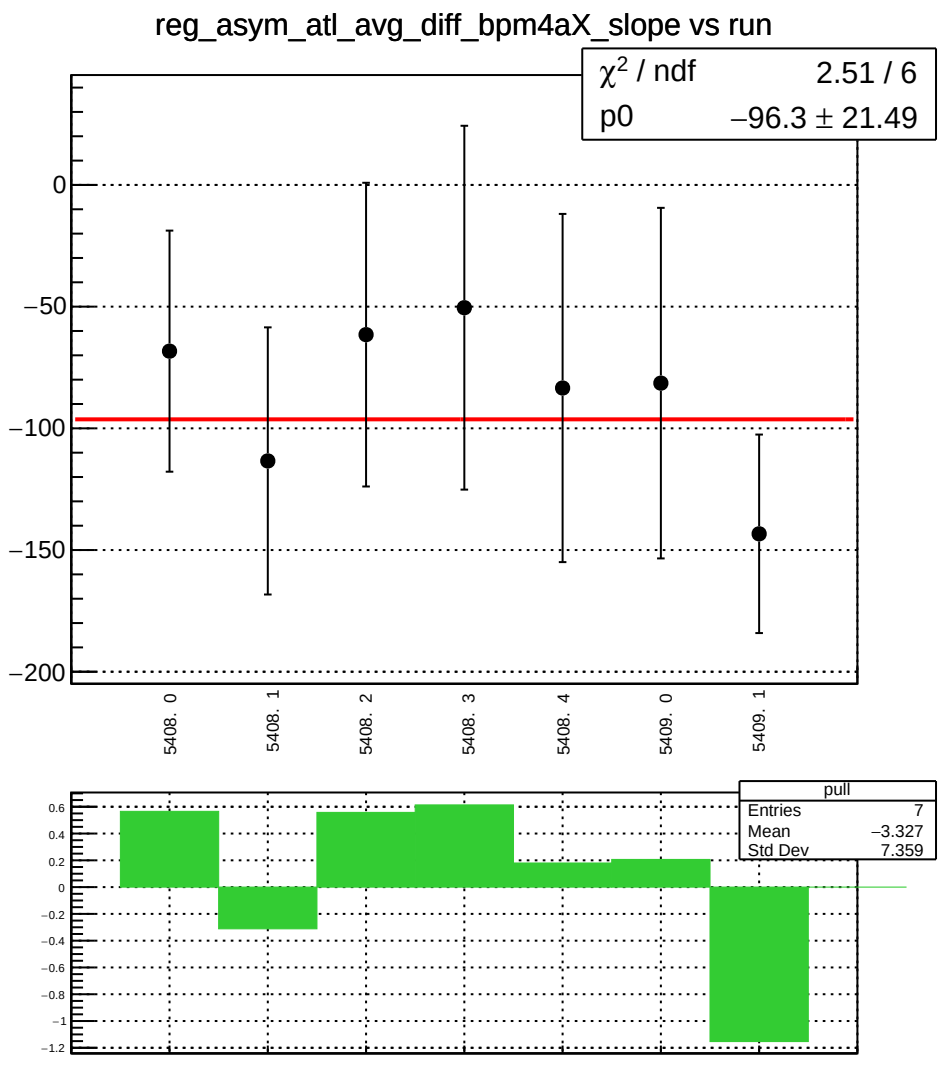

pull1D
Entries 7
Mean 0.03839
Std Dev 0.4645
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

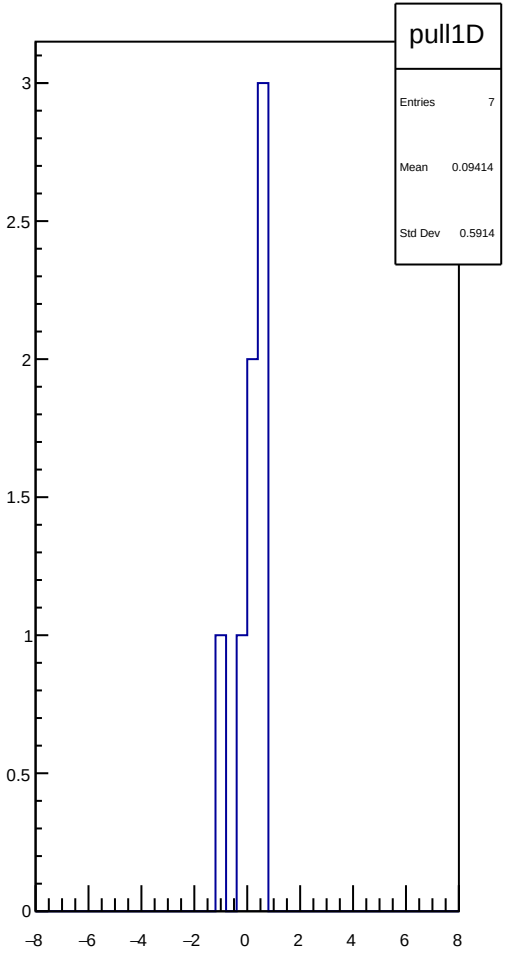

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 1.652 / 6
p0 194.4 ± 56.6
500
400
300
200
100
0
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 12.98
Std Dev 9.819
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 7
Mean 0.0588
Std Dev 0.4822
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

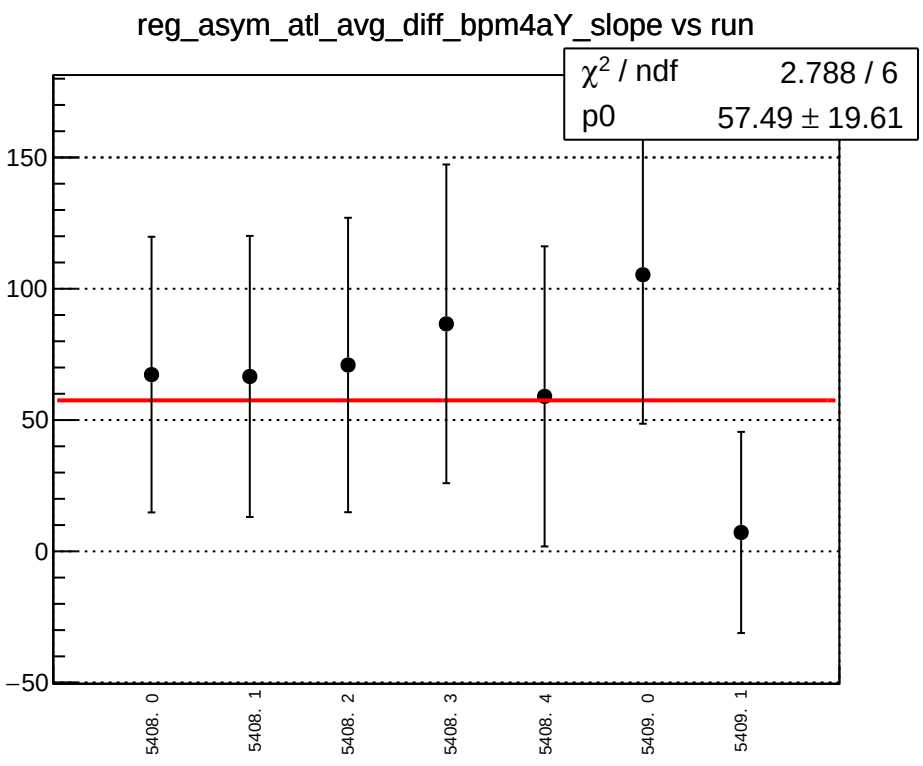

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 1.536 / 6
p0 58.12 ± 60.49
300
200
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.312
Std Dev 5.824
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean −0.03648
Std Dev 0.467
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

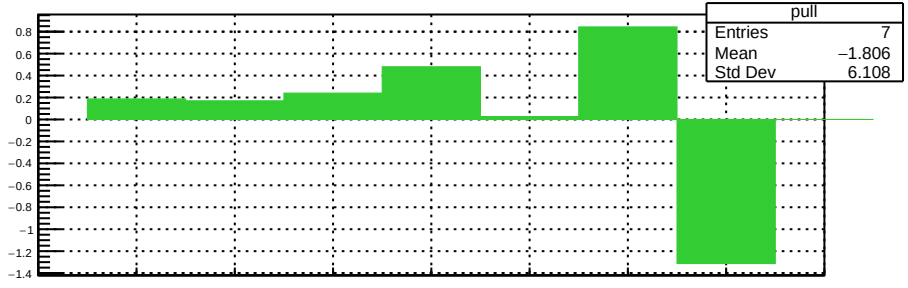

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 10.38 / 6
p0 −383.4 ± 1.832
−370
−375
−380
−385
−390
−395
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −15.35
Std Dev 19.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

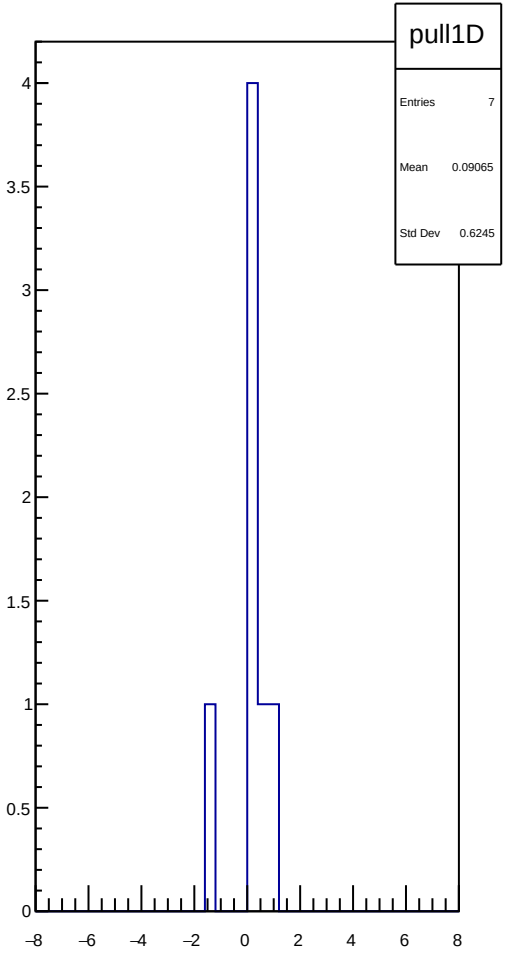

pull1D
Entries 7
Mean −0.1147
Std Dev 1.213
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

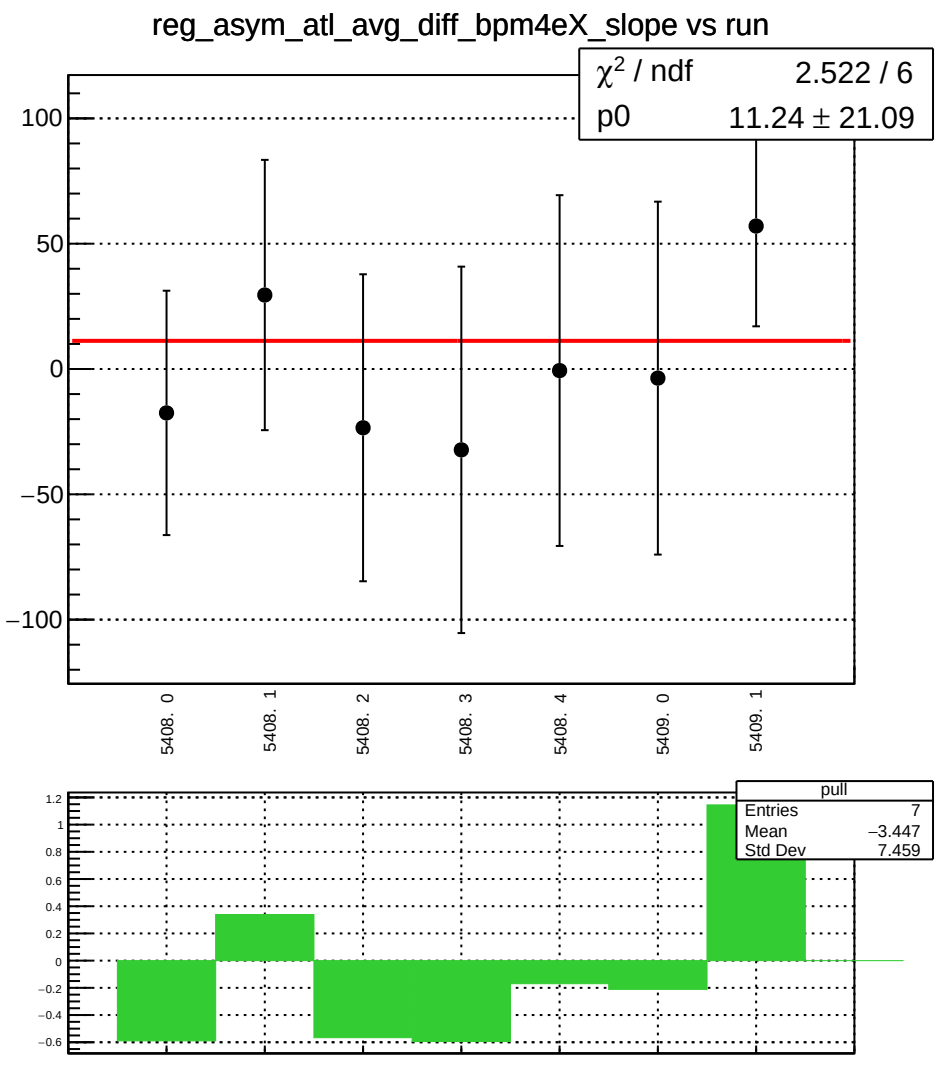

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.51 / 6
p0 −96.3 ± 21.49
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −3.327
Std Dev 7.359
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

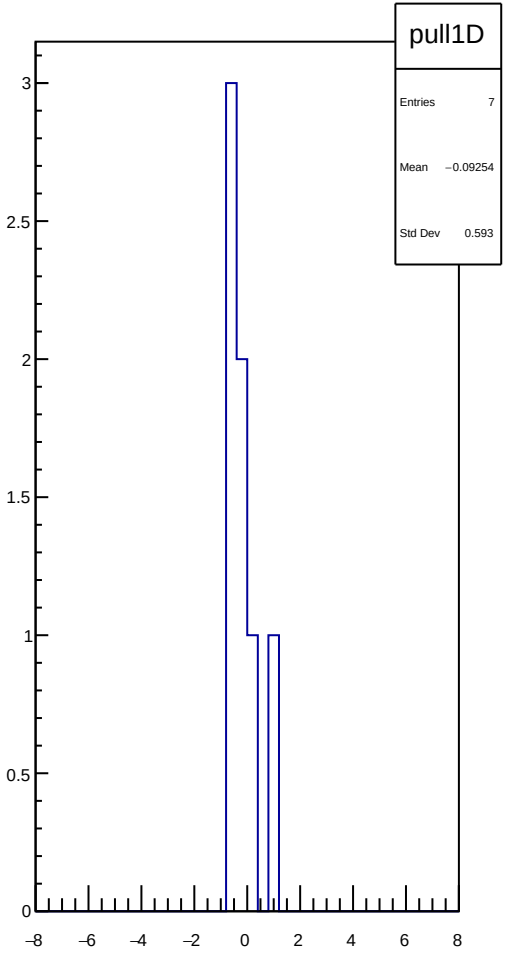

pull1D
Entries 7
Mean 0.09414
Std Dev 0.5914
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

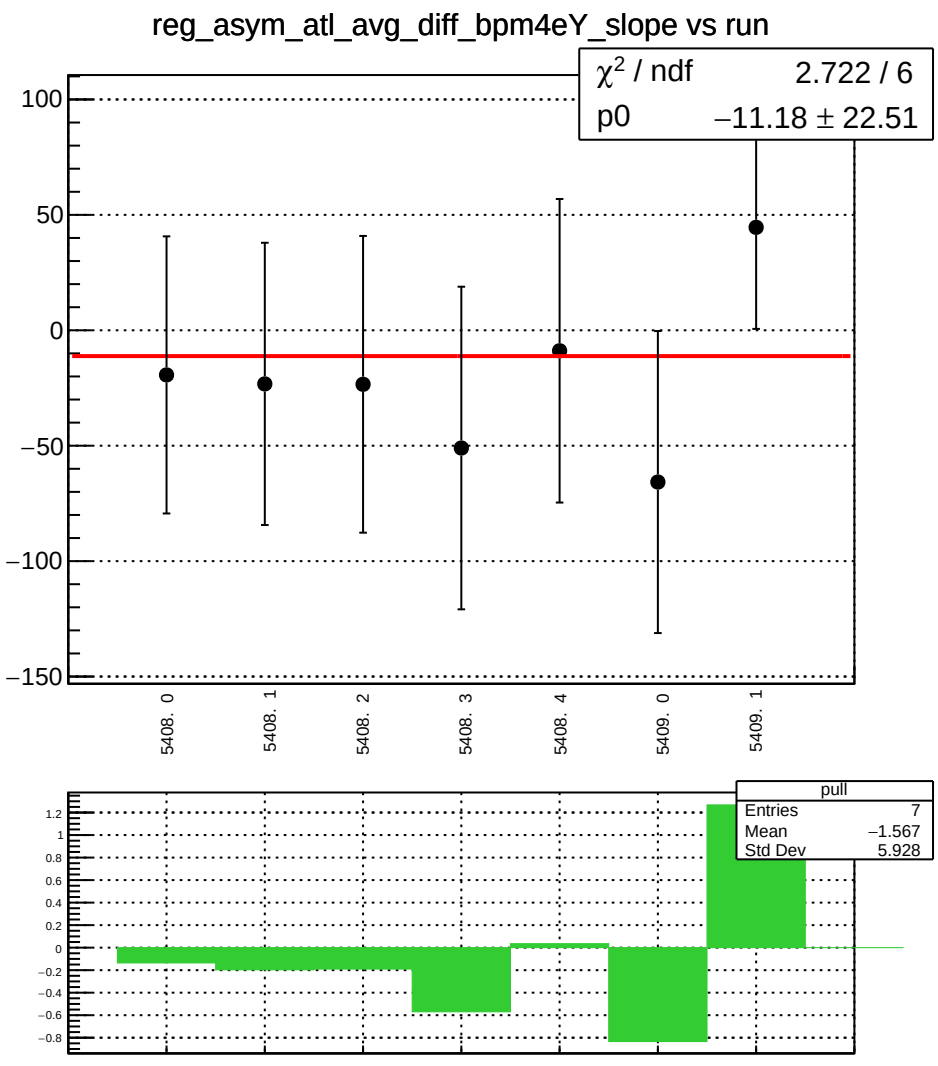

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.788 / 6
p0 57.49 ± 19.61
150
100
50
0
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

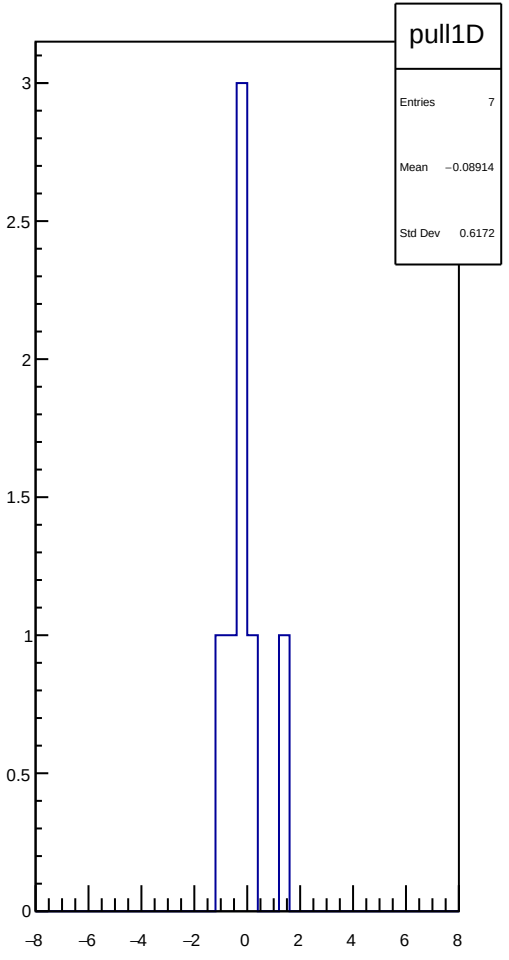

pull
Entries 7
Mean −1.806
Std Dev 6.108
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

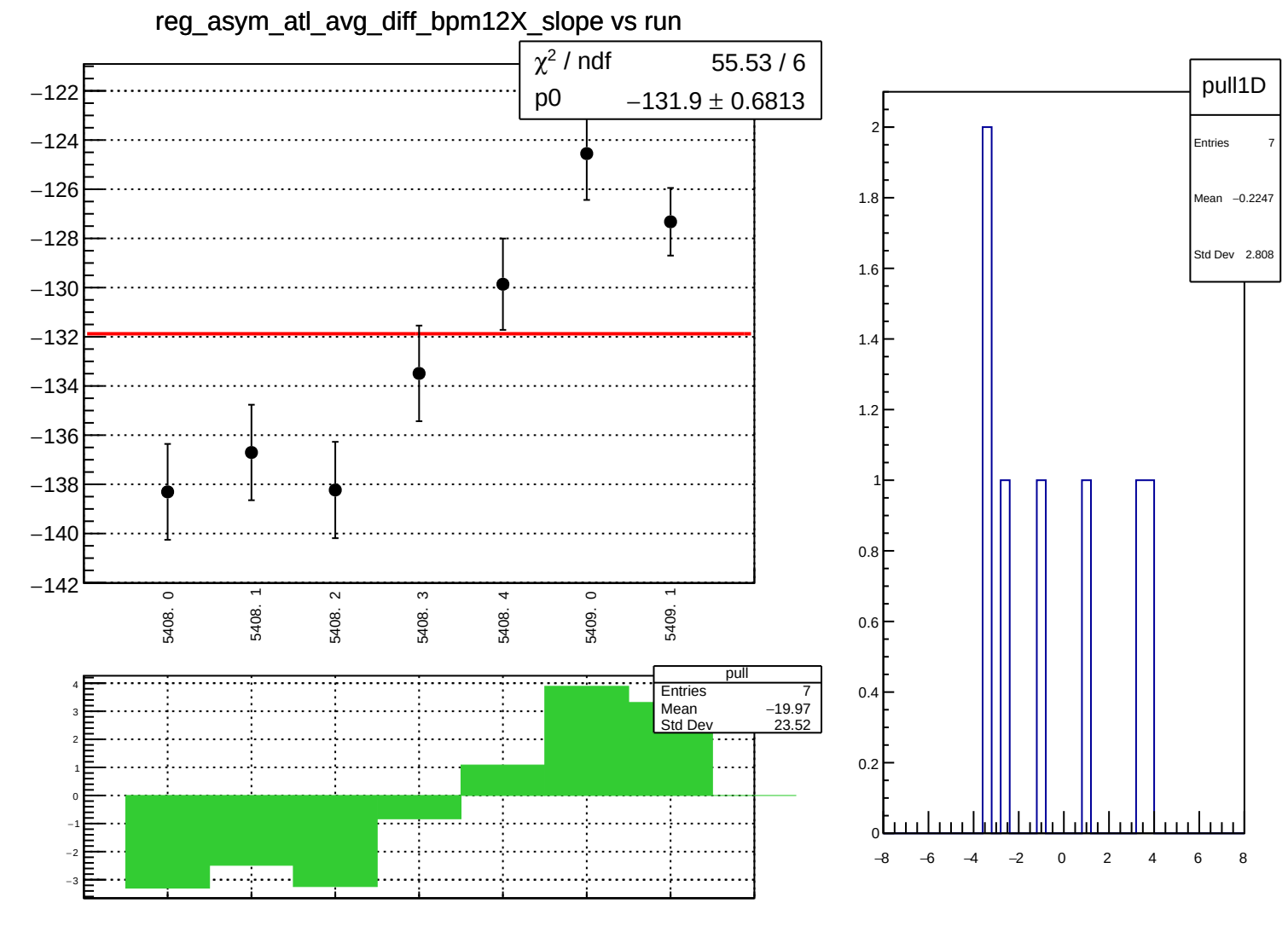

pull1D
Entries 7
Mean 0.09065
Std Dev 0.6245
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

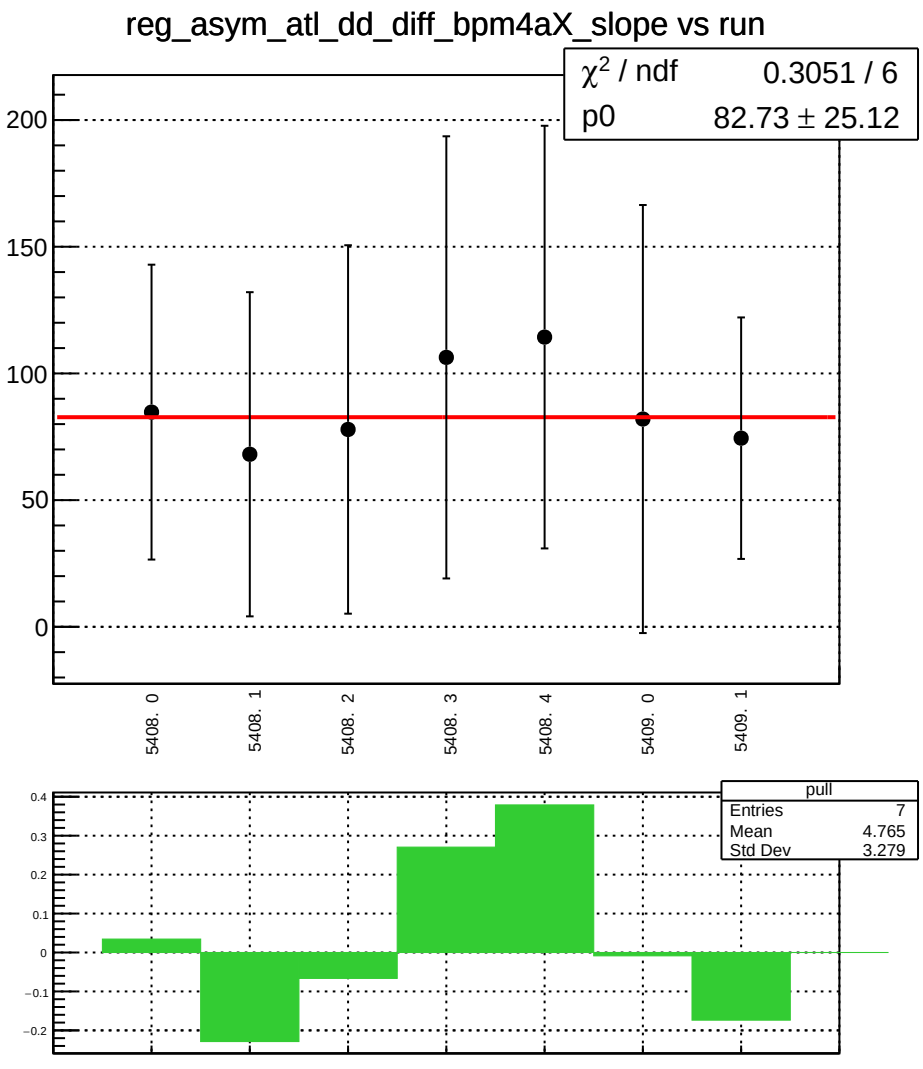

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.522 / 6
p0 11.24 ± 21.09
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −3.447
Std Dev 7.459
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

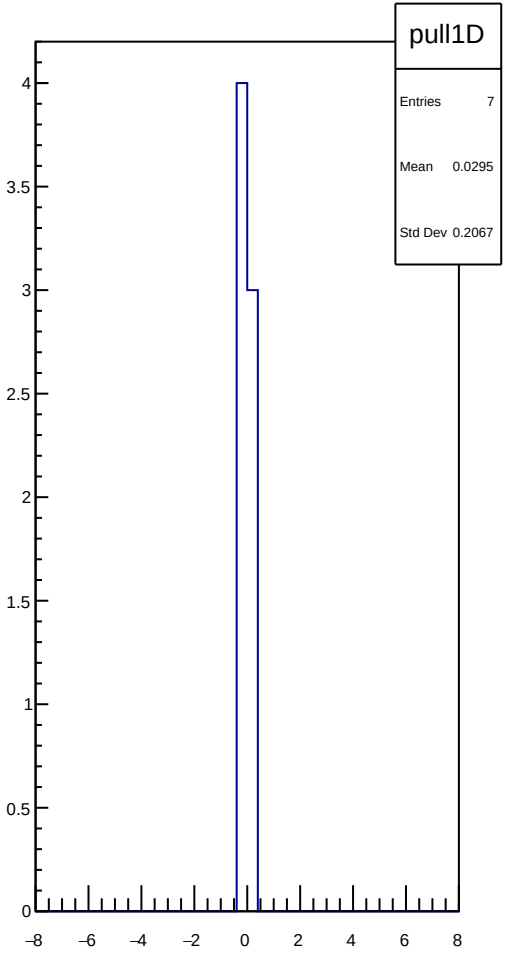

pull1D
Entries 7
Mean −0.09254
Std Dev 0.593
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

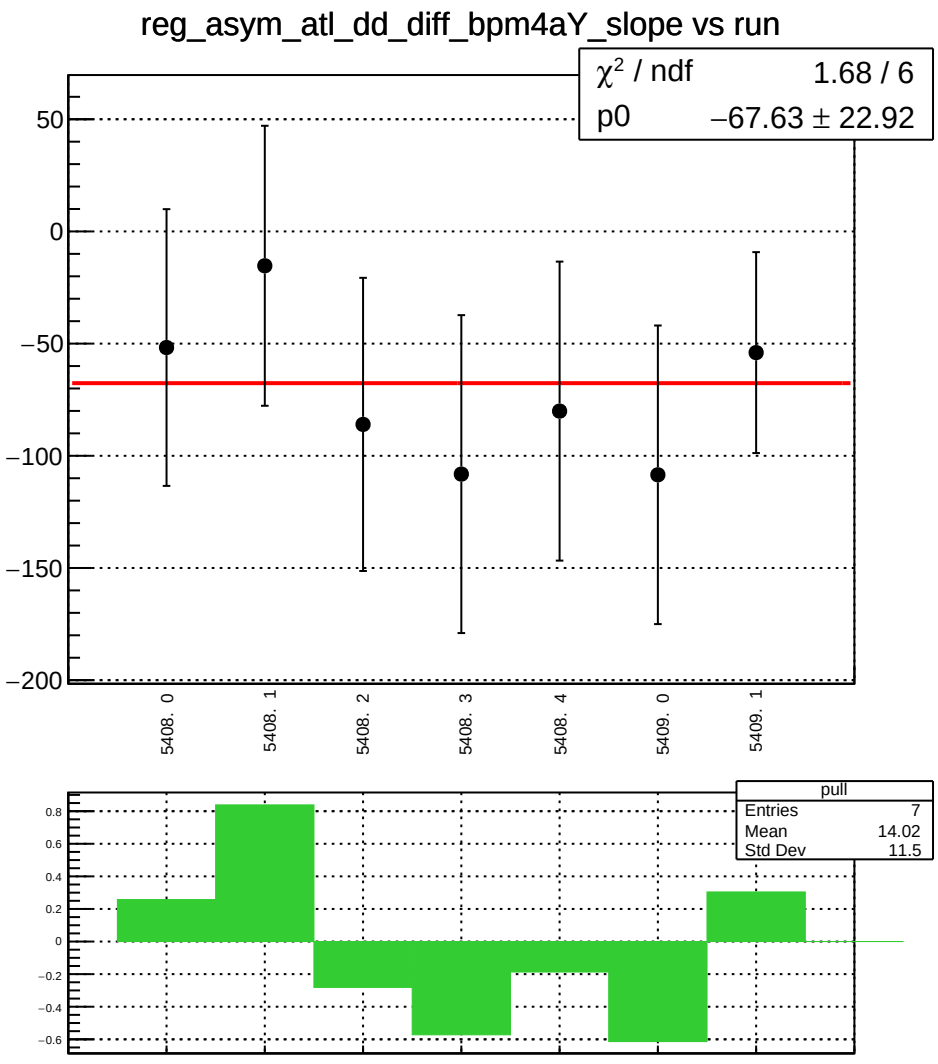

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.722 / 6
p0 −11.18 ± 22.51
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.567
Std Dev 5.928
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

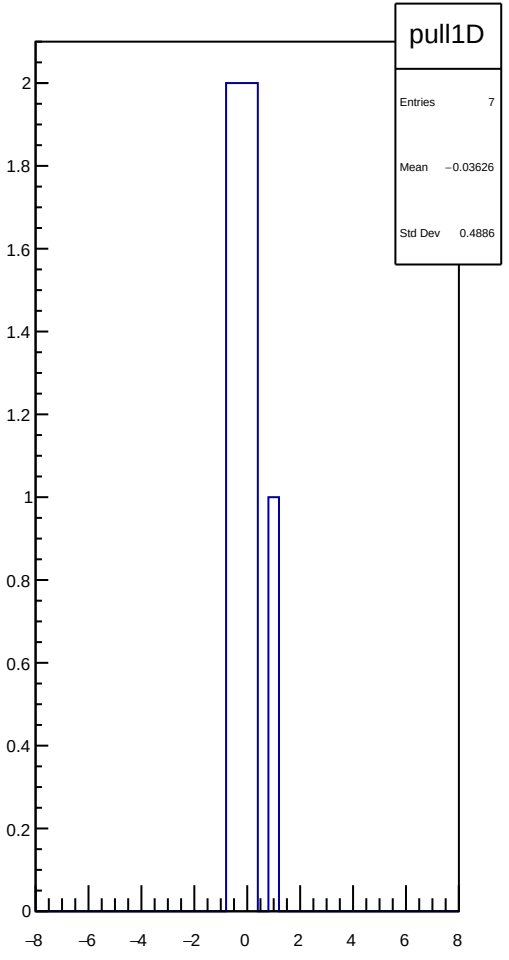

pull1D
Entries 7
Mean −0.08914
Std Dev 0.6172
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

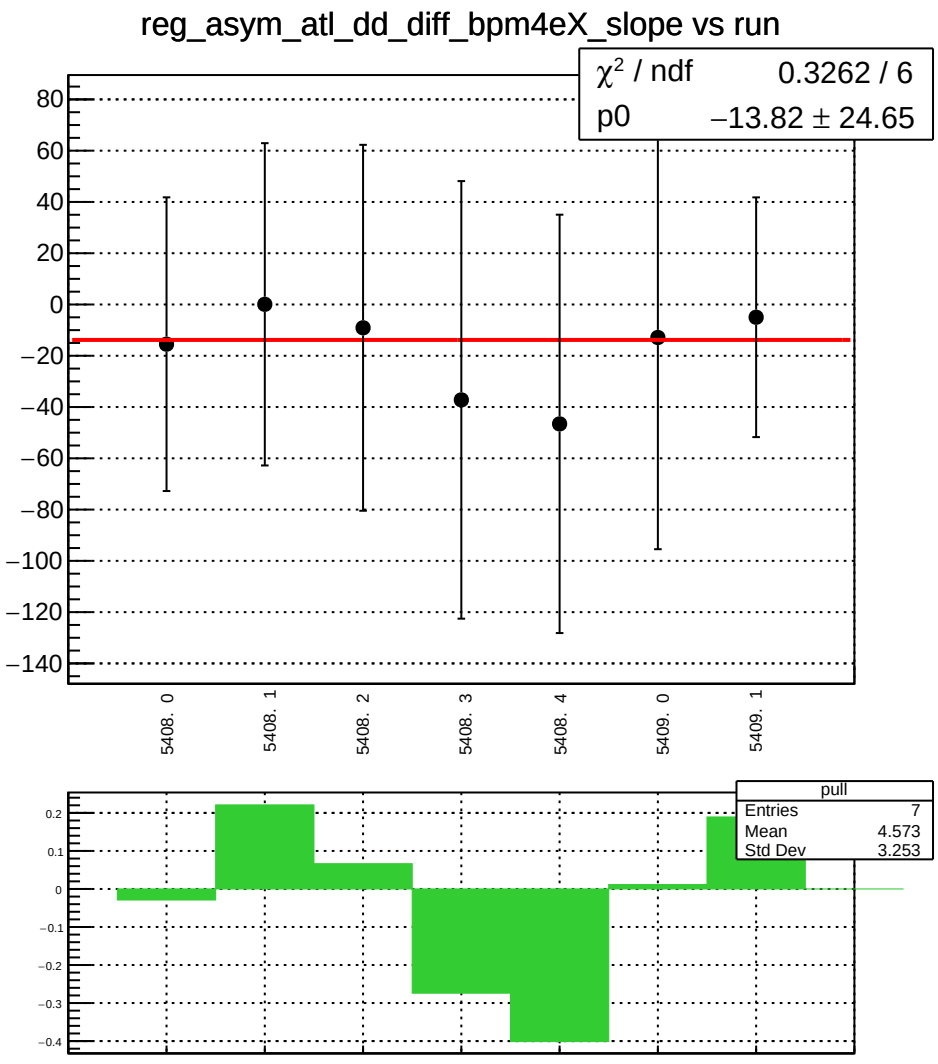

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 55.53 / 6
p0 −131.9 ± 0.6813
−122
−124
−126
−128
−130
−132
−134
−136
−138
−140
−142
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −19.97
Std Dev 23.52
4
3
2
1
0
−1
−2
−3
pull1D
Entries 7
Mean −0.2247
Std Dev 2.808
2
1.8
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

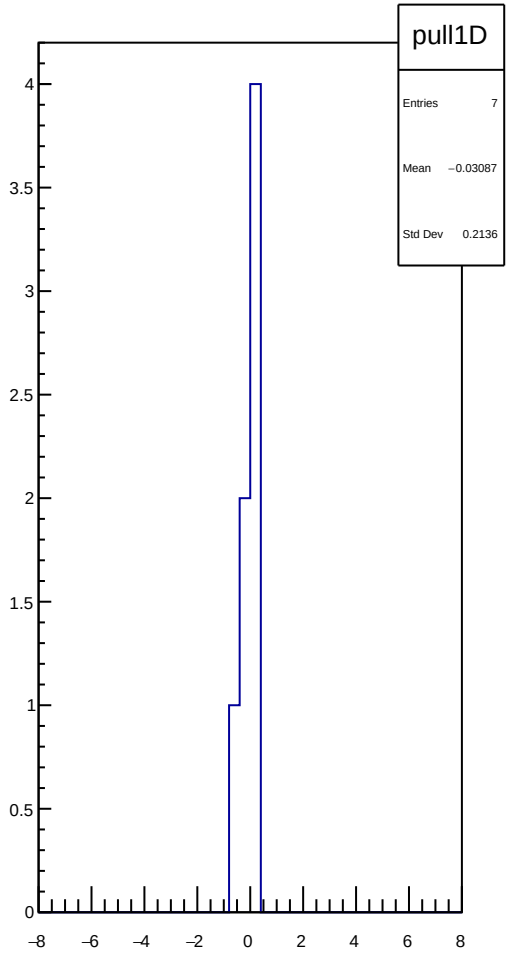

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.3051 / 6
p0 82.73 ± 25.12
200
150
100
50
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.765
Std Dev 3.279
0.4
0.3
0.2
0.1
0
−0.1
−0.2

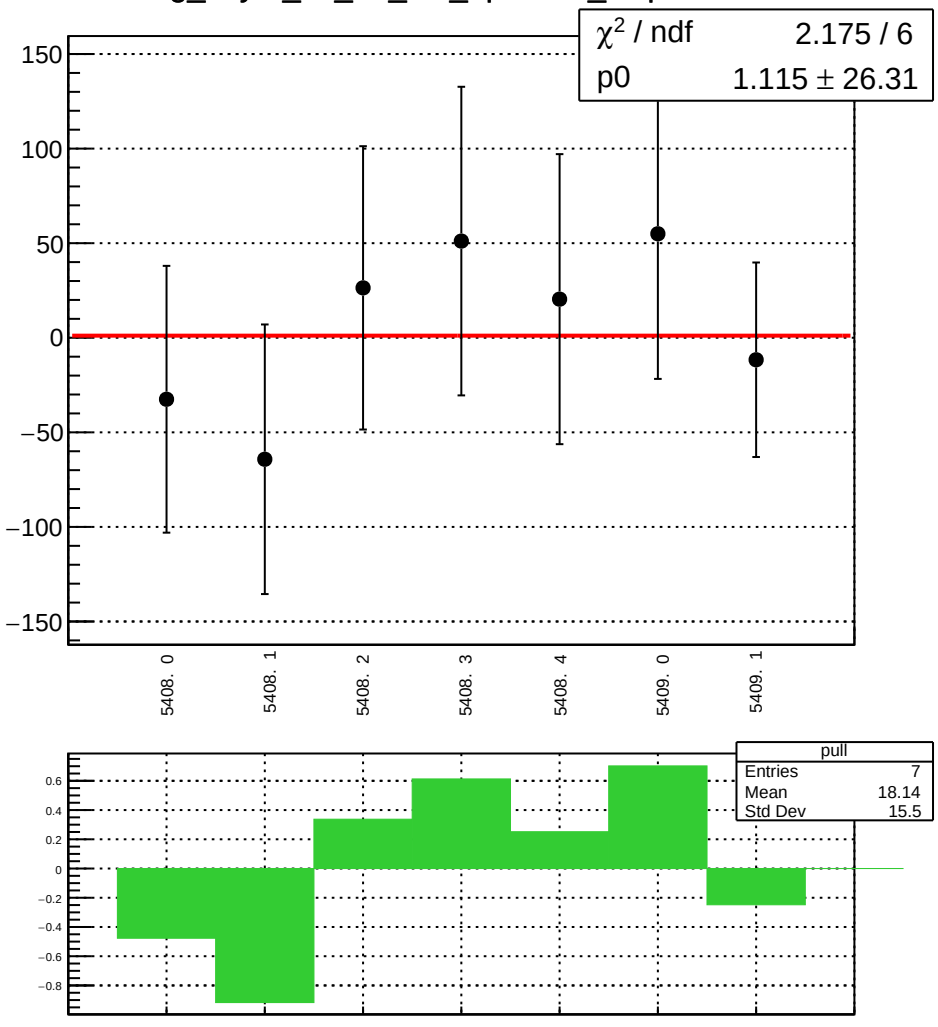

pull1D
Entries 7
Mean 0.0295
Std Dev 0.2067
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

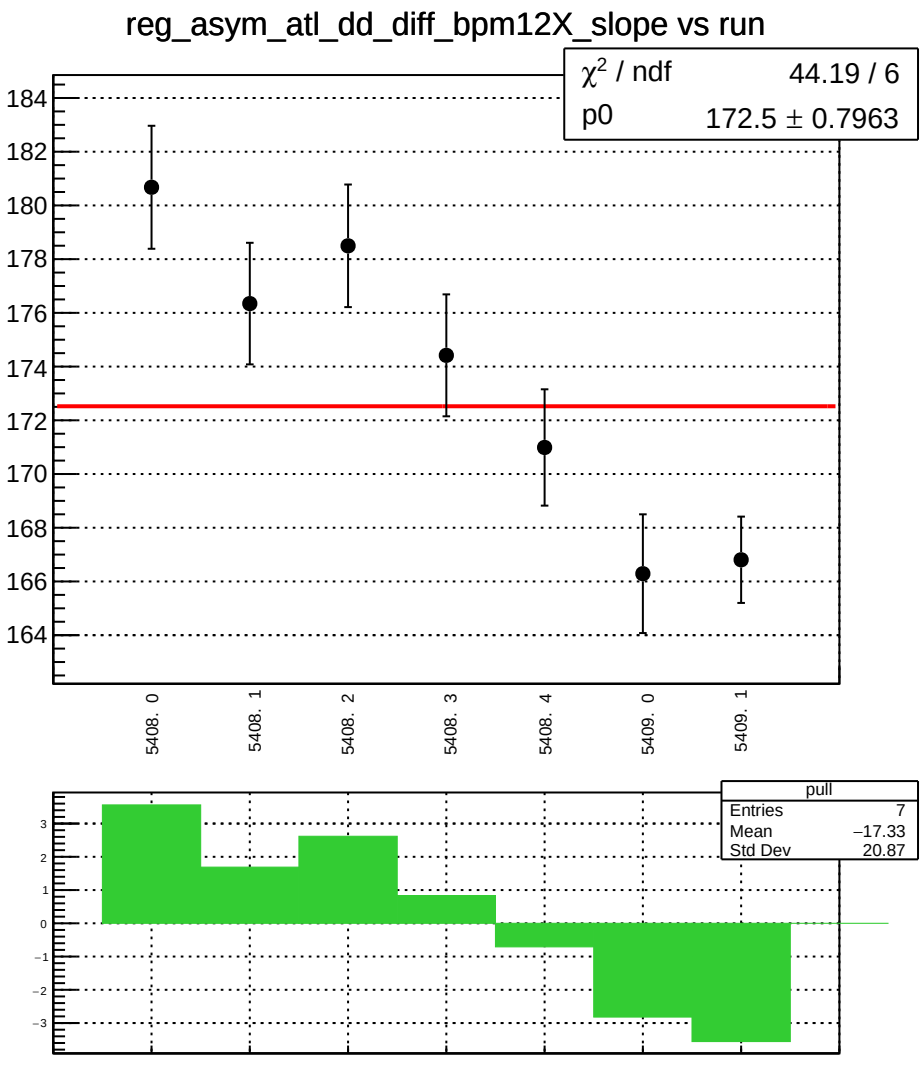

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.68 / 6
p0 −67.63 ± 22.92
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 14.02
Std Dev 11.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

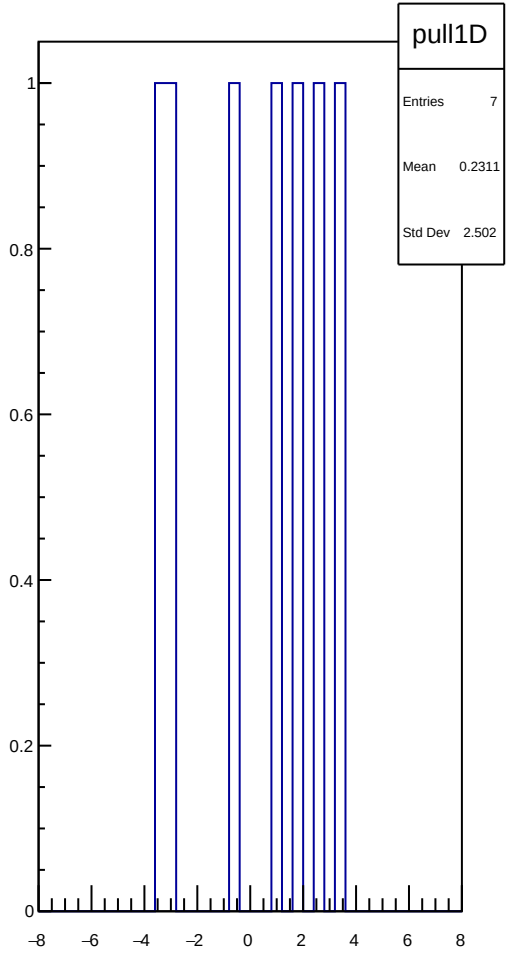

pull1D
Entries 7
Mean −0.03626
Std Dev 0.4886
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

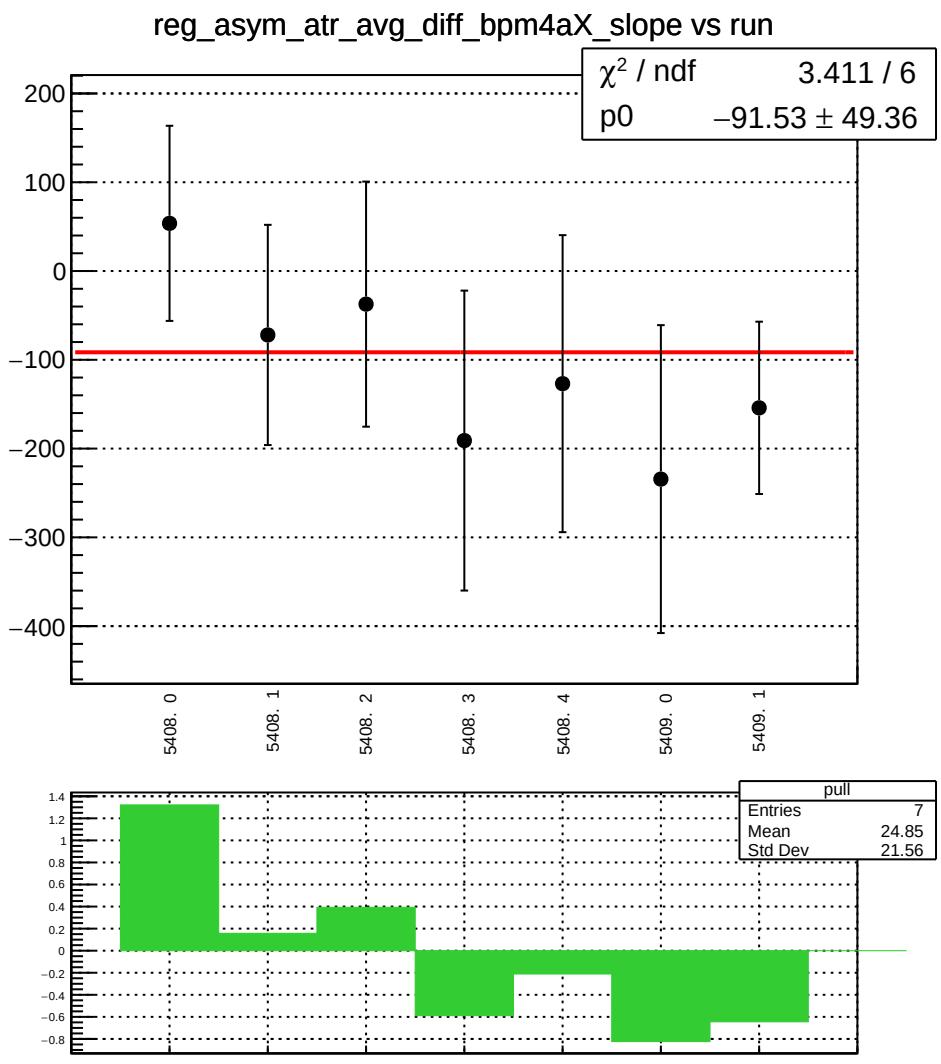

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.3262 / 6
p0 −13.82 ± 24.65
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.573
Std Dev 3.253
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

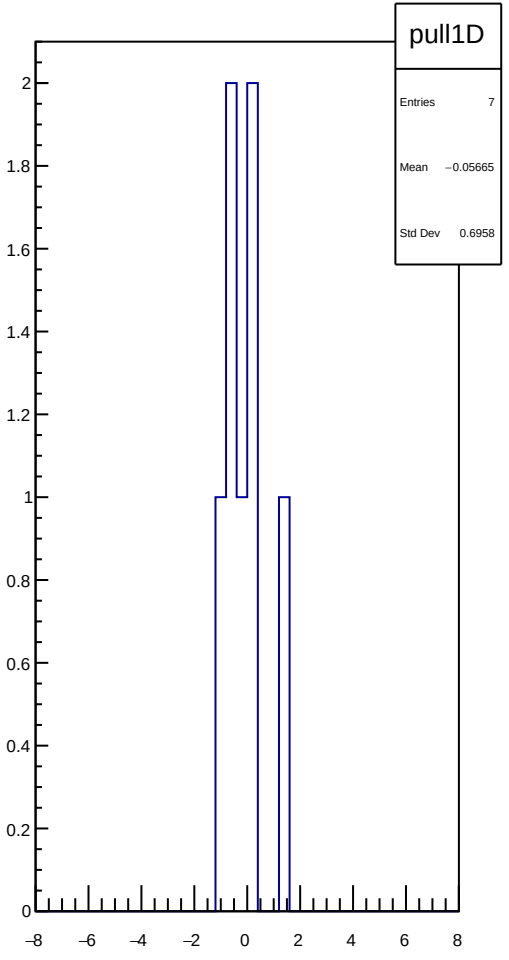

pull1D
Entries 7
Mean −0.03087
Std Dev 0.2136
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

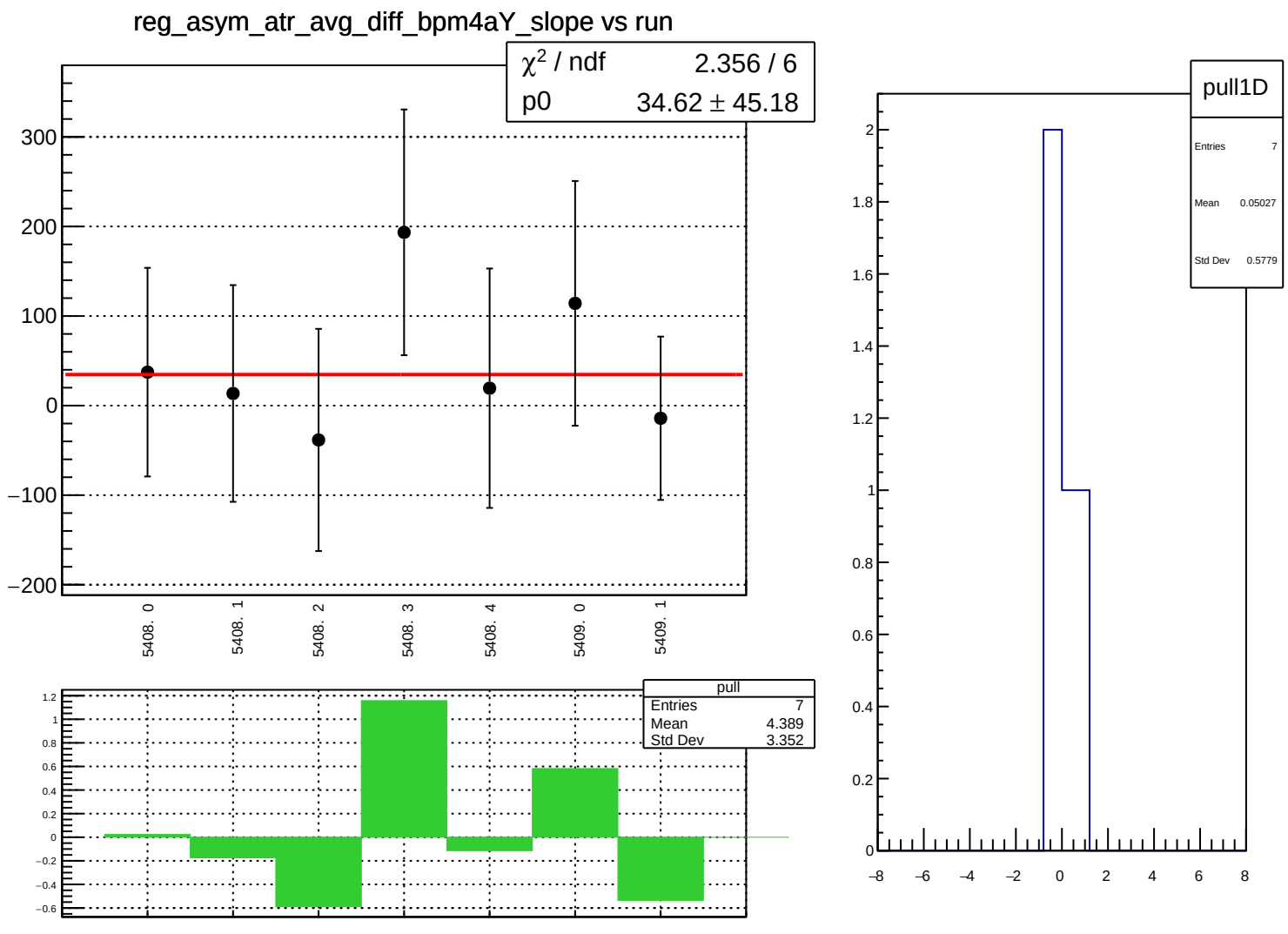

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.175 / 6
p0 1.115 ± 26.31
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 18.14
Std Dev 15.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean 0.03746
Std Dev 0.5562
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

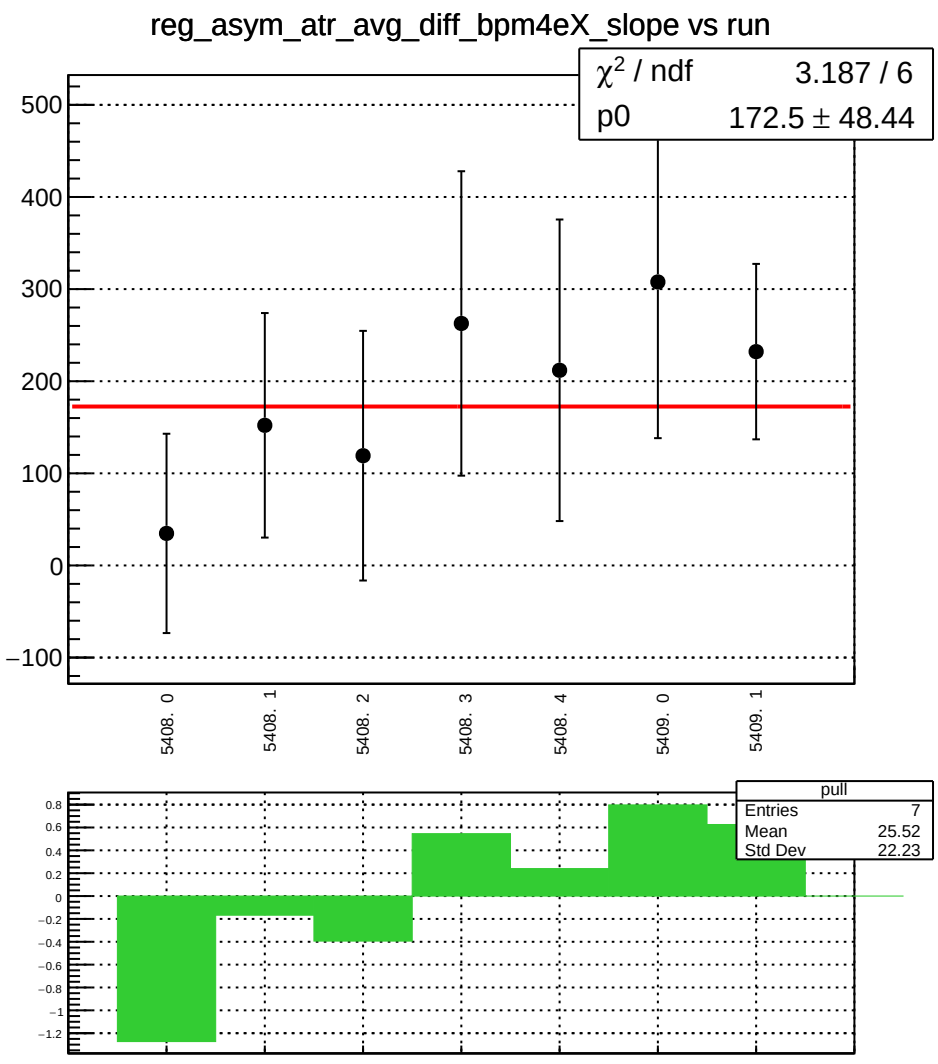

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 44.19 / 6
p0 172.5 ± 0.7963
184
182
180
178
176
174
172
170
168
166
164
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −17.33
Std Dev 20.87
3
2
1
0
−1
−2
−3

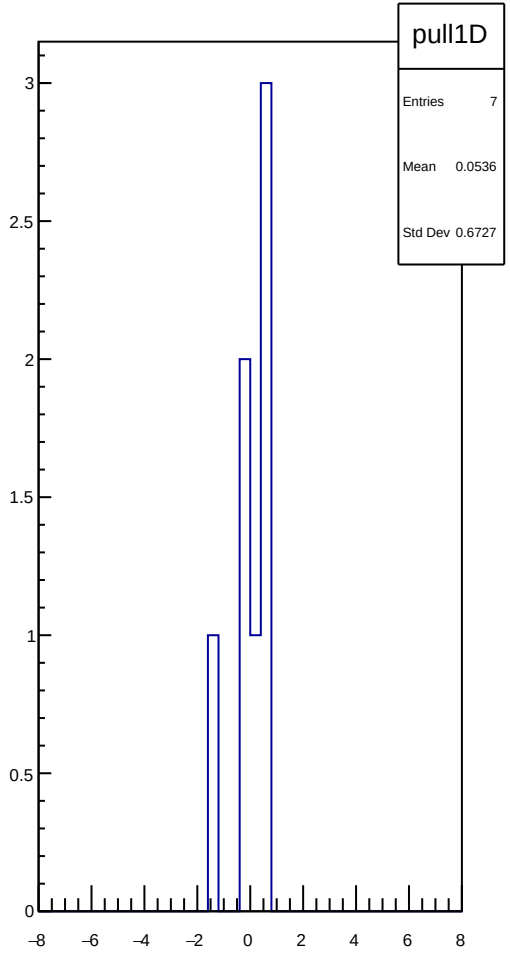

pull1D
Entries 7
Mean 0.2311
Std Dev 2.502
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

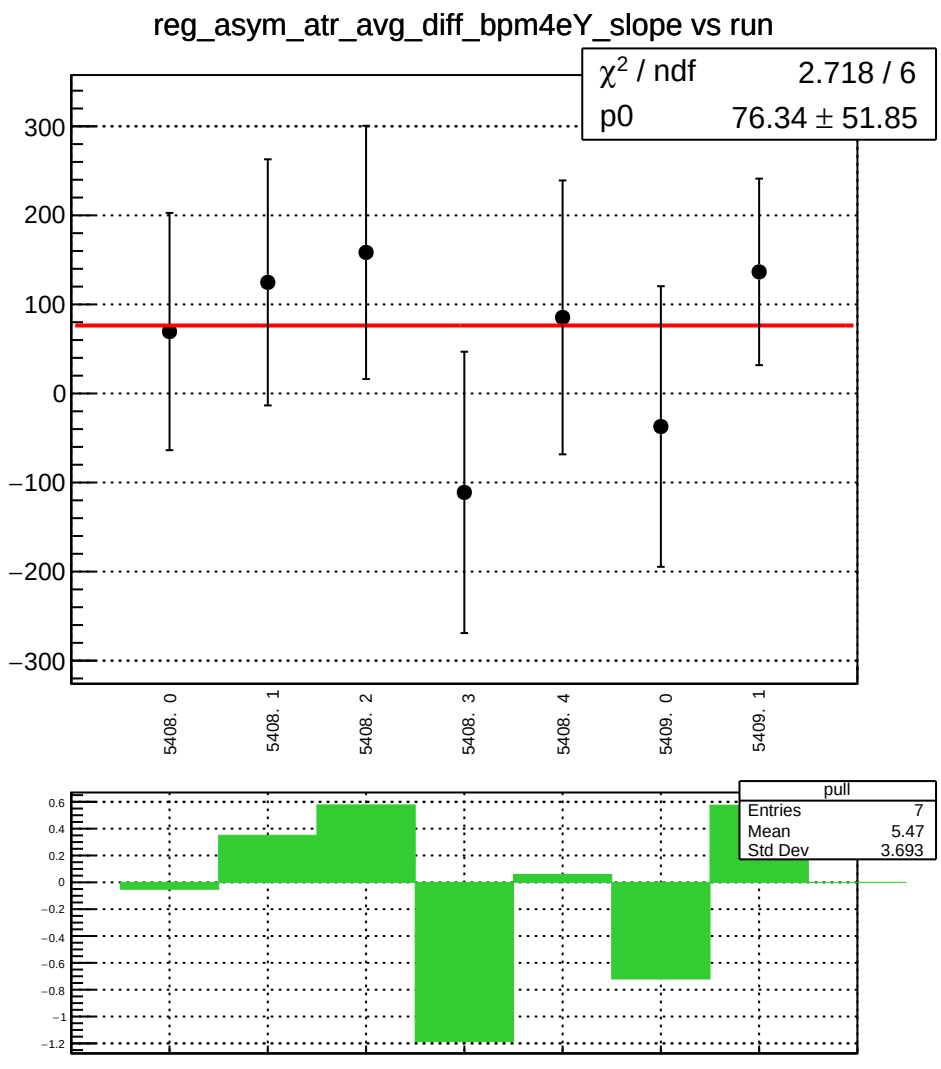

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.411 / 6
p0 −91.53 ± 49.36
200
100
0
−100
−200
−300
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 24.85
Std Dev 21.56
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

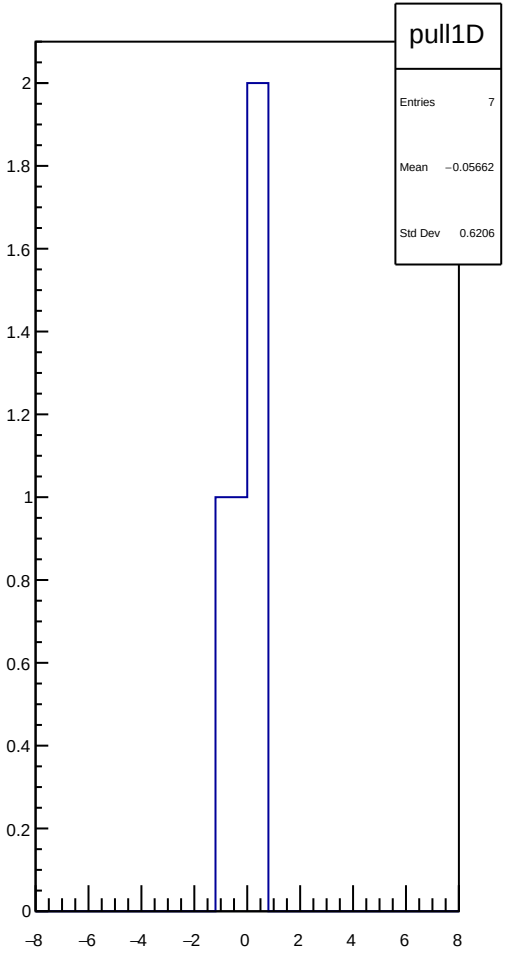

pull1D
Entries 7
Mean −0.05665
Std Dev 0.6958
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

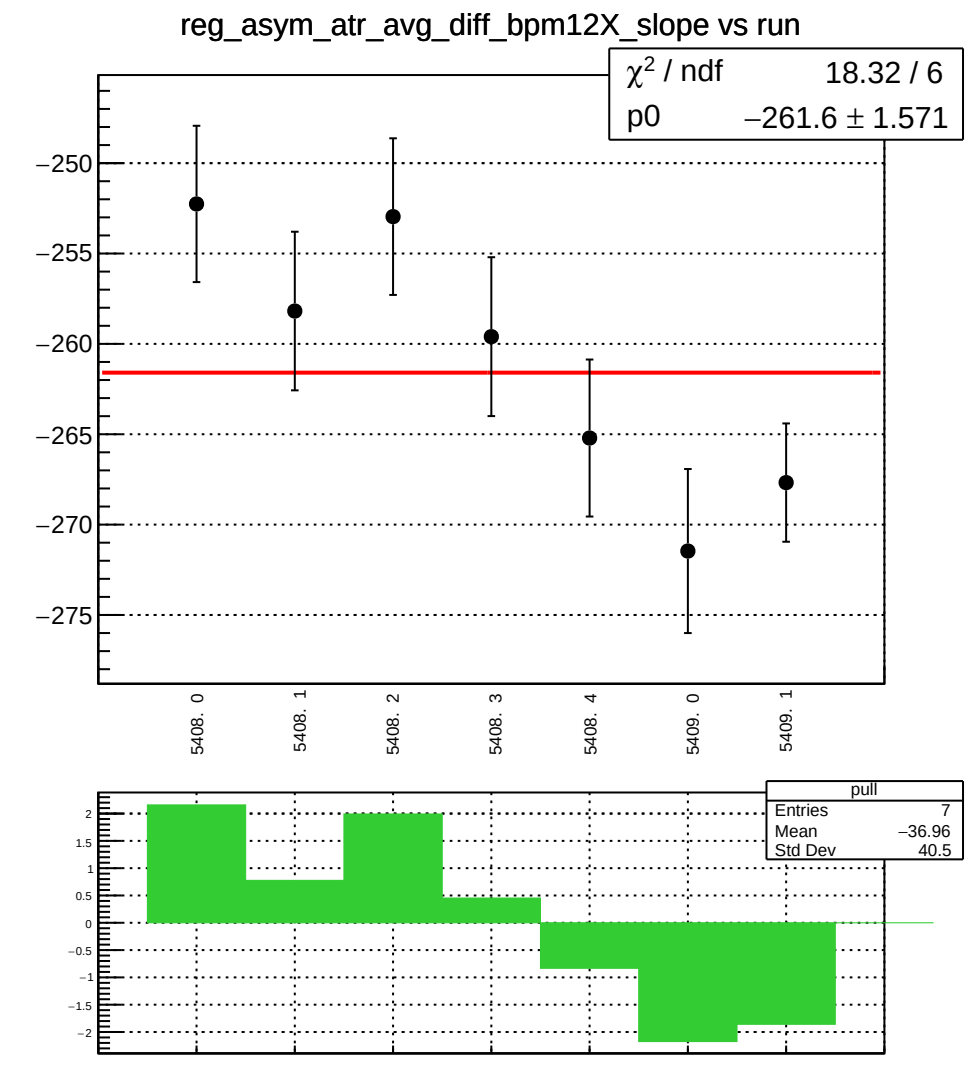

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.356 / 6
p0 34.62 ± 45.18
300
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.389
Std Dev 3.352
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 7
Mean 0.05027
Std Dev 0.5779
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

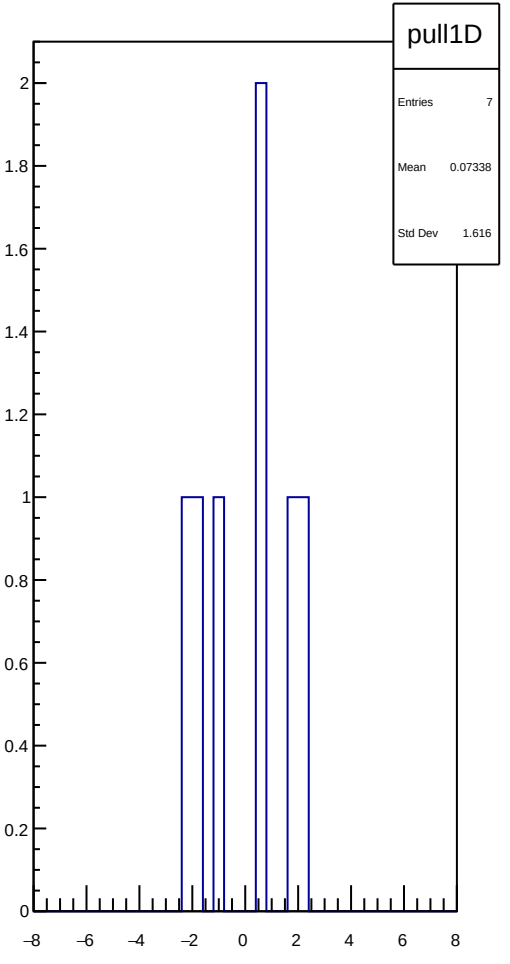

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.187 / 6
p0 172.5 ± 48.44
500
400
300
200
100
0
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 25.52
Std Dev 22.23
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

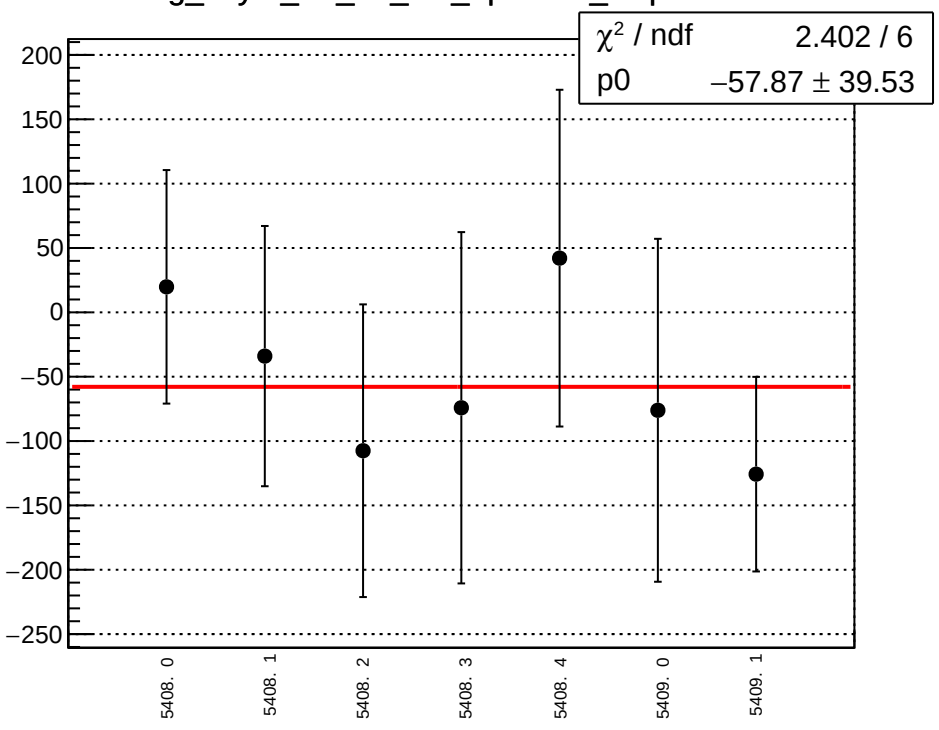

pull1D
Entries 7
Mean 0.0536
Std Dev 0.6727
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

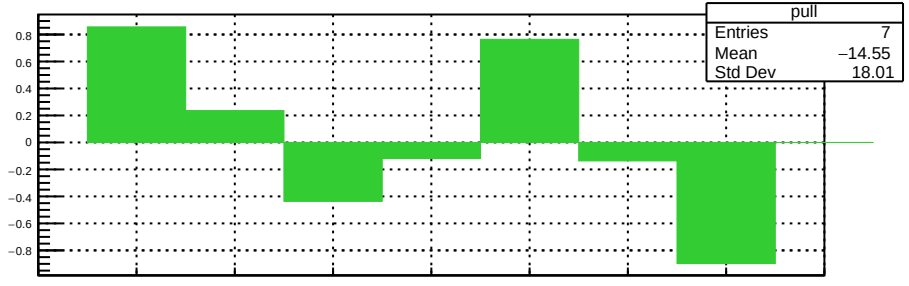

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.718 / 6
p0 76.34 ± 51.85
300
200
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.47
Std Dev 3.693
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

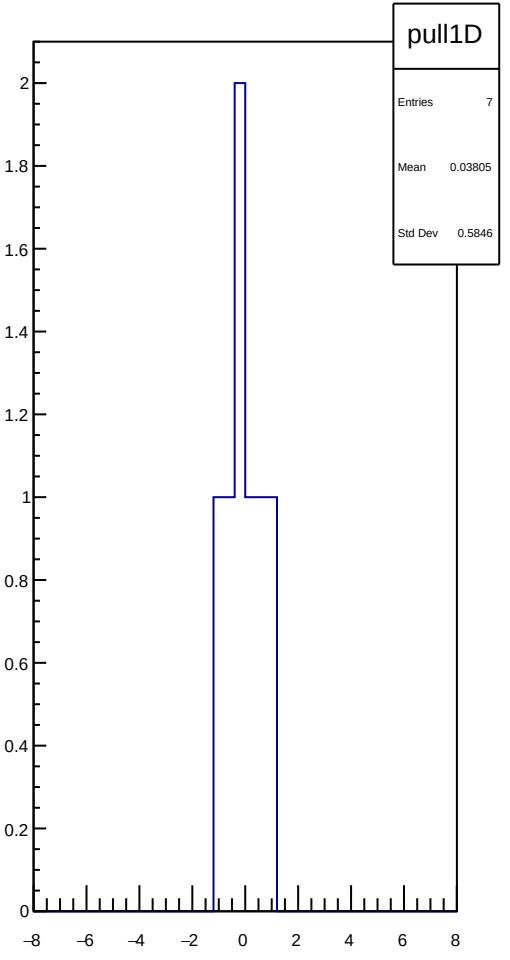

pull1D
Entries 7
Mean −0.05662
Std Dev 0.6206
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

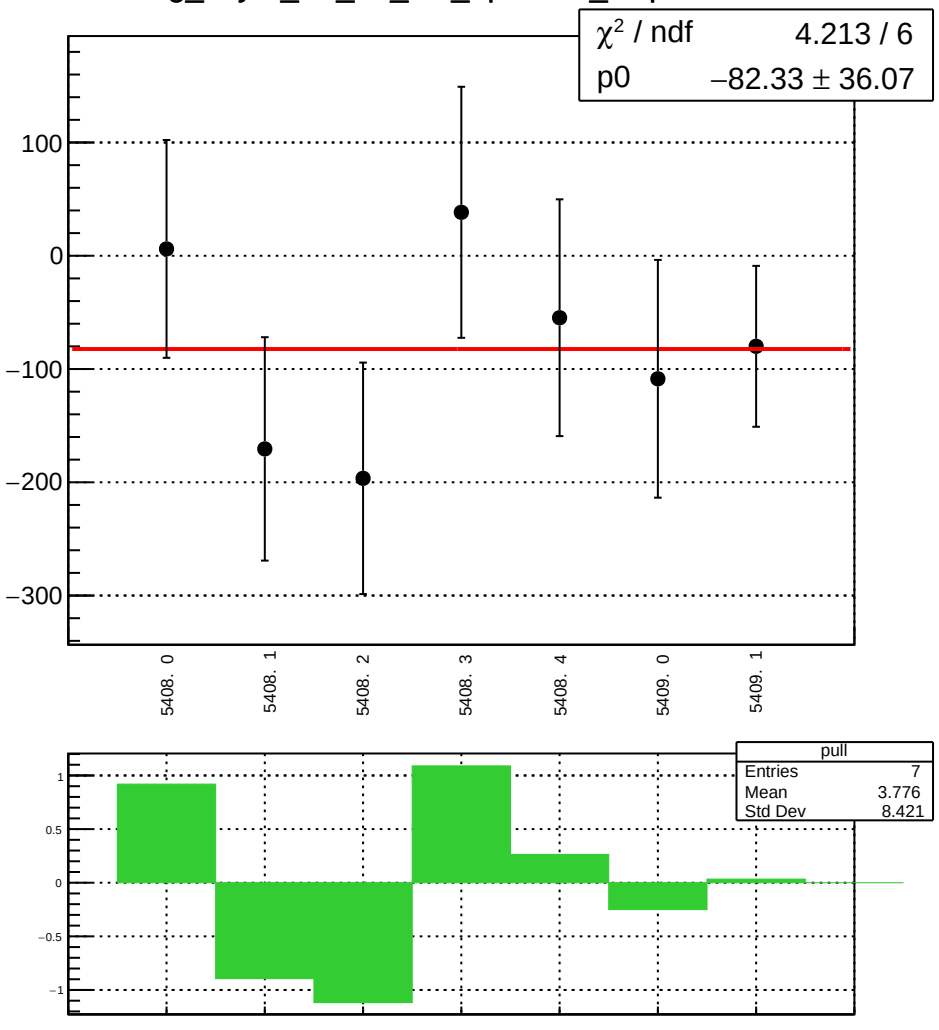

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 18.32 / 6
p0 −261.6 ± 1.571
−250
−255
−260
−265
−270
−275
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −36.96
Std Dev 40.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

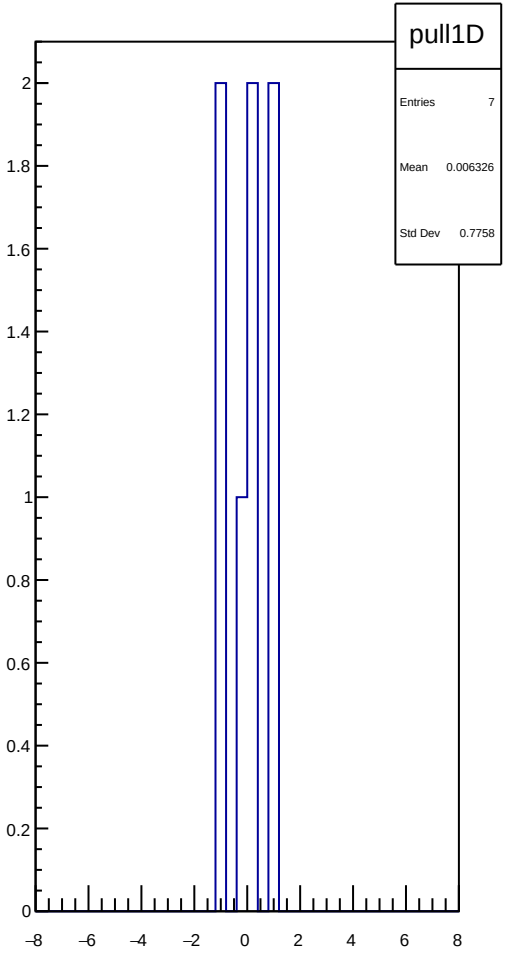

pull1D
Entries 7
Mean 0.07338
Std Dev 1.616
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

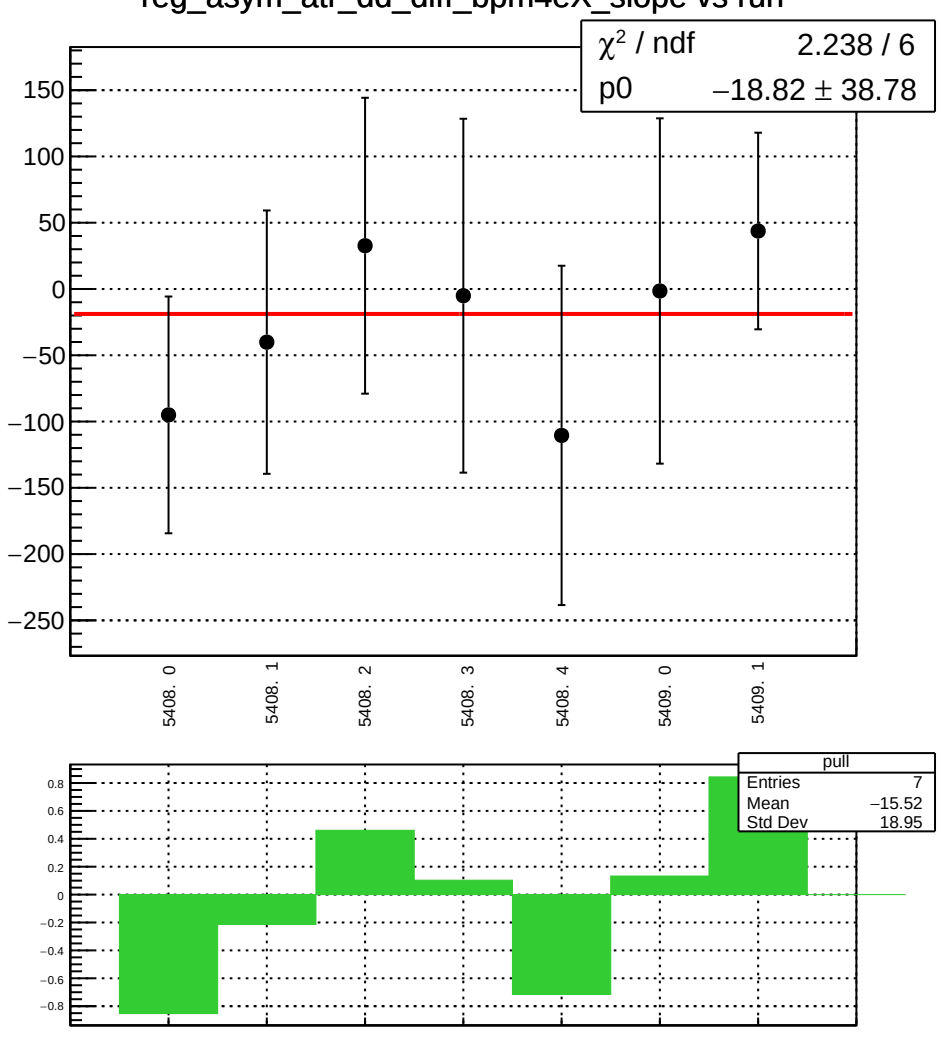

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.402 / 6
p0 −57.87 ± 39.53
200
150
100
50
0
−50
−100
−150
−200
−250
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

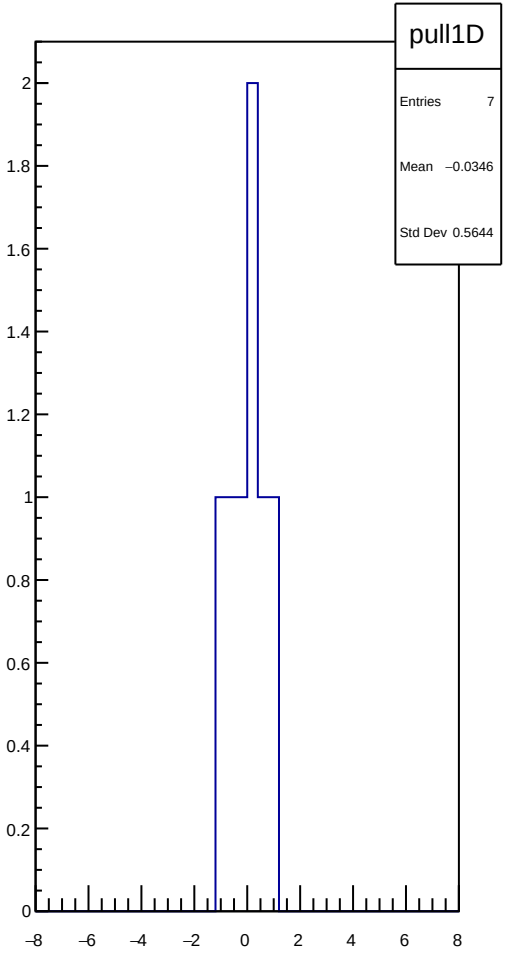

pull
Entries 7
Mean −14.55
Std Dev 18.01
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

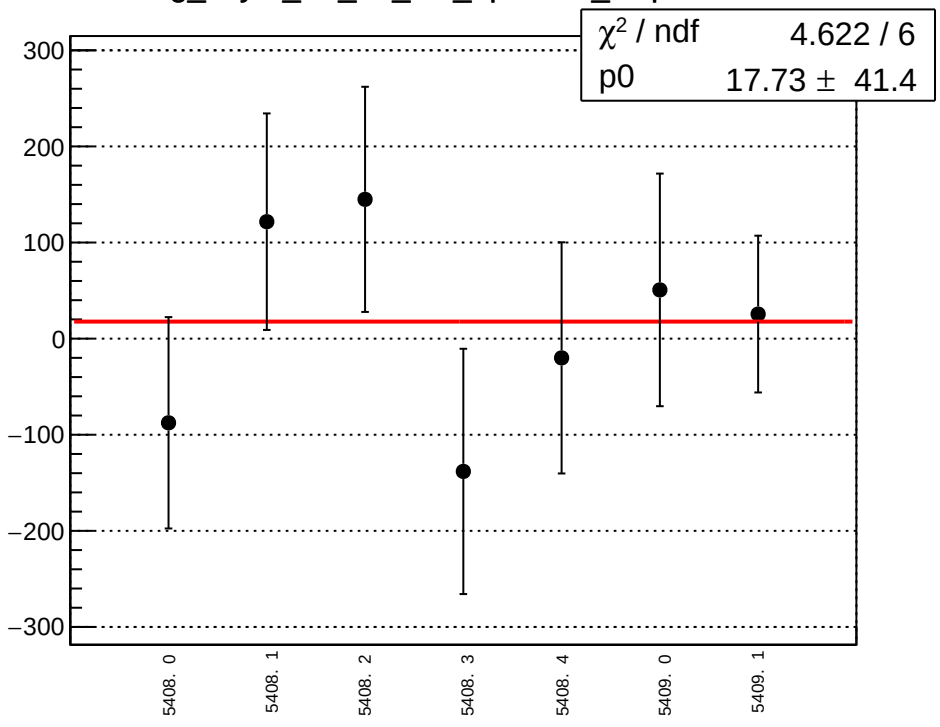

pull1D
Entries 7
Mean 0.03805
Std Dev 0.5846
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

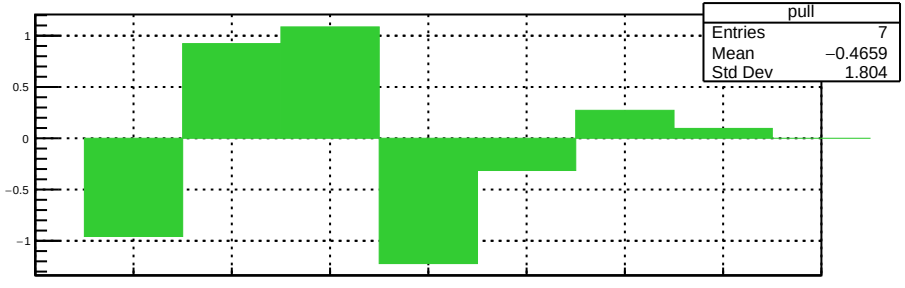

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.213 / 6
p0 −82.33 ± 36.07
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.776
Std Dev 8.421
1
0.5
0
−0.5
−1

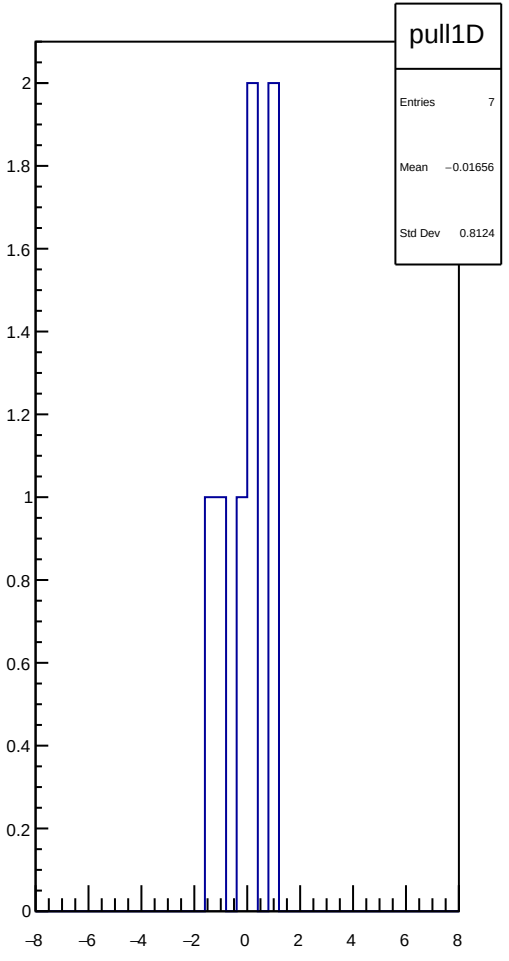

pull1D
Entries 7
Mean 0.006326
Std Dev 0.7758
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

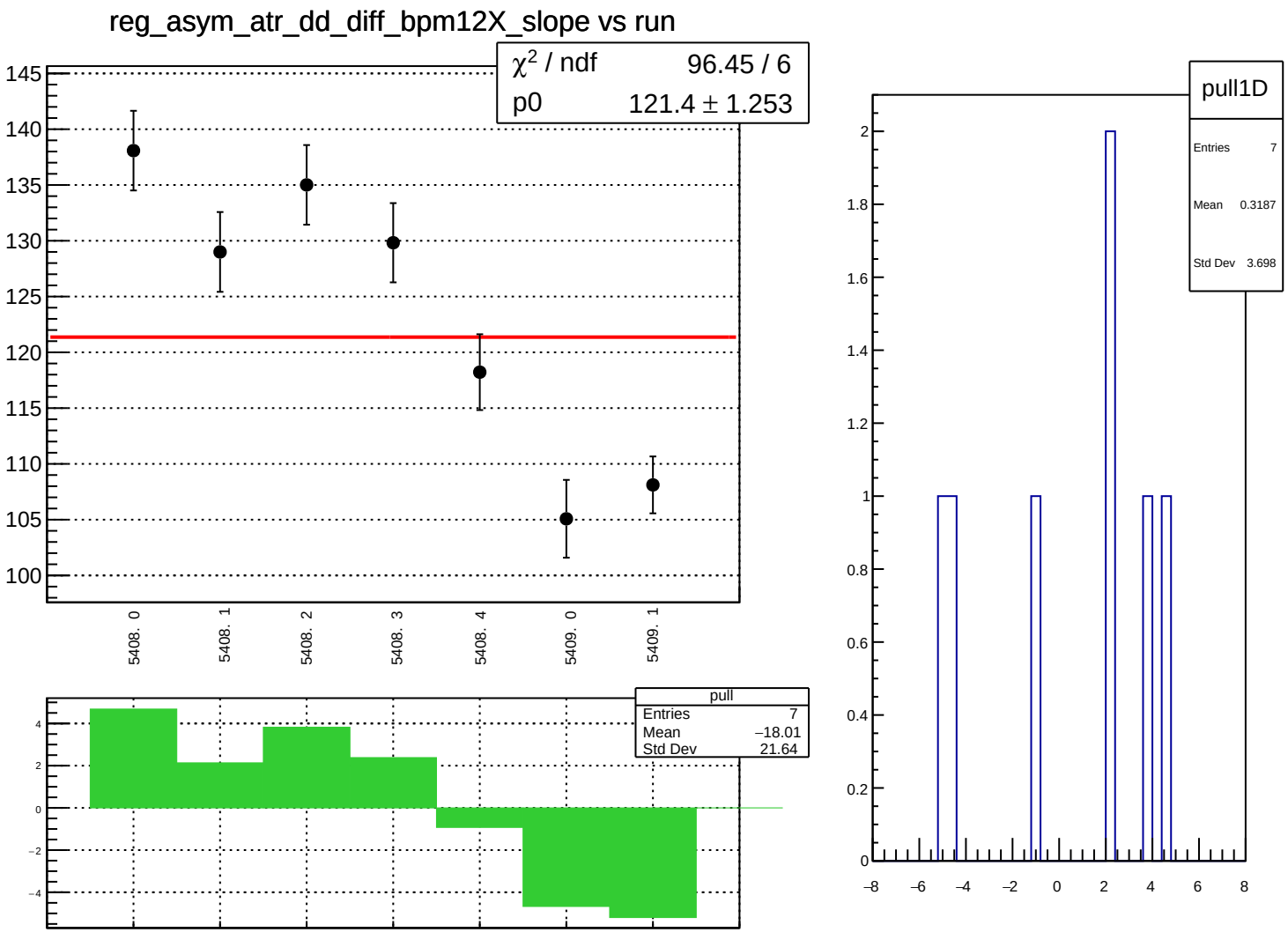

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.238 / 6
p0 −18.82 ± 38.78
150
100
50
0
−50
−100
−150
−200
−250
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −15.52
Std Dev 18.95
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

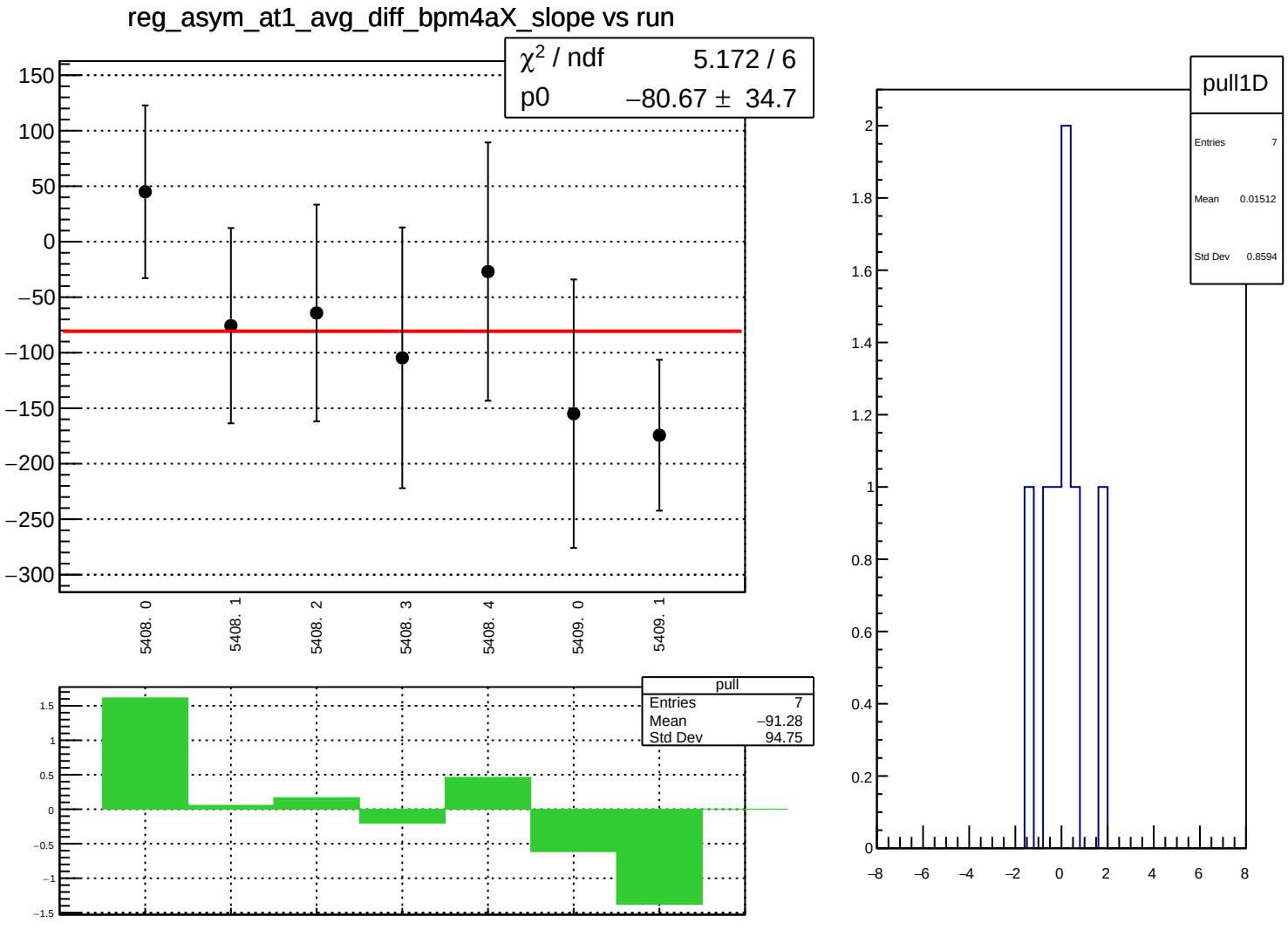

pull1D
Entries 7
Mean −0.0346
Std Dev 0.5644
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

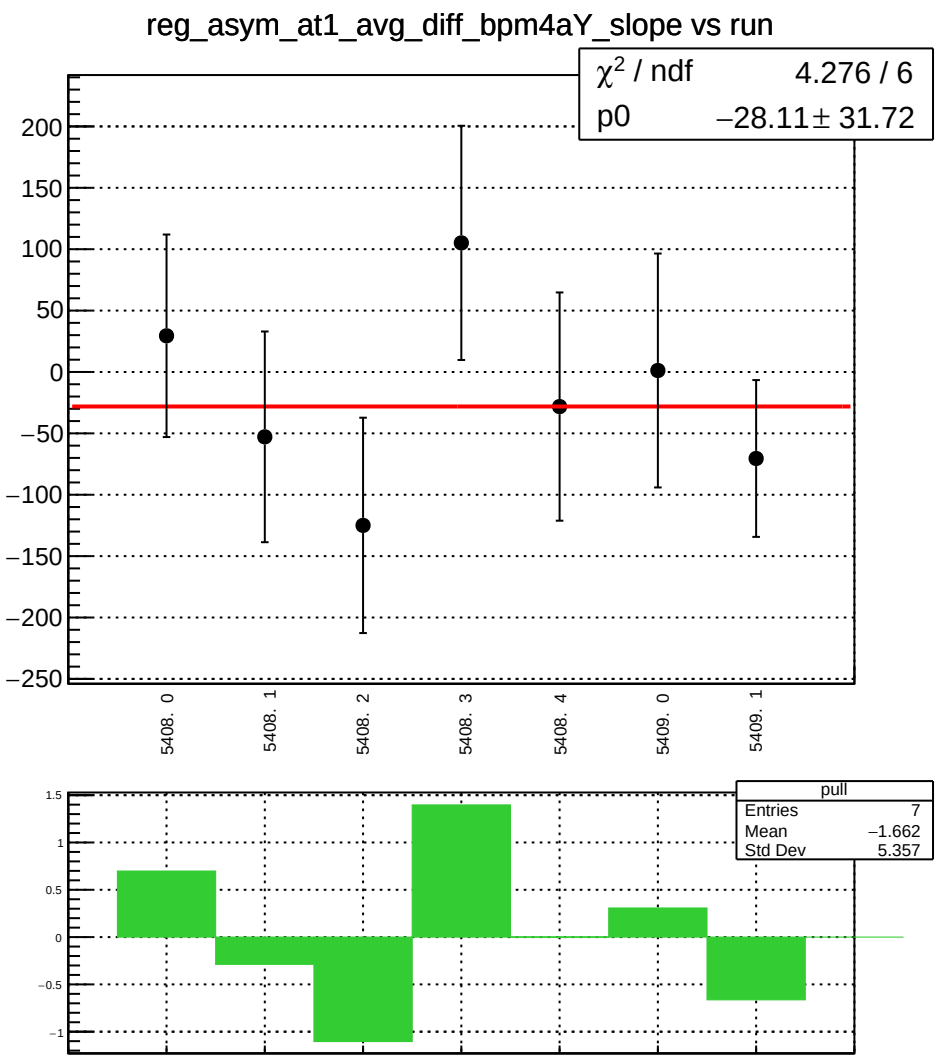

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.622 / 6
p0 17.73 ± 41.4
300
200
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

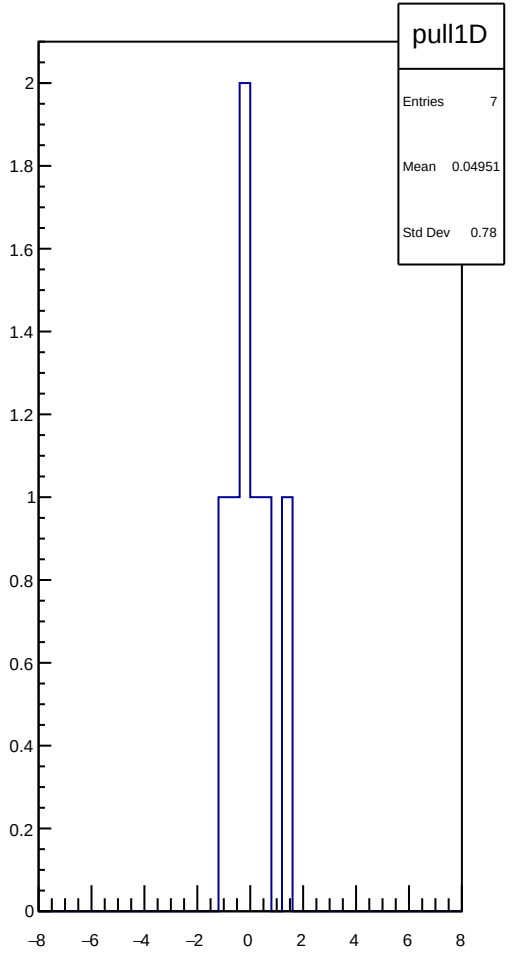

pull
Entries 7
Mean −0.4659
Std Dev 1.804
1
0.5
0
−0.5
−1

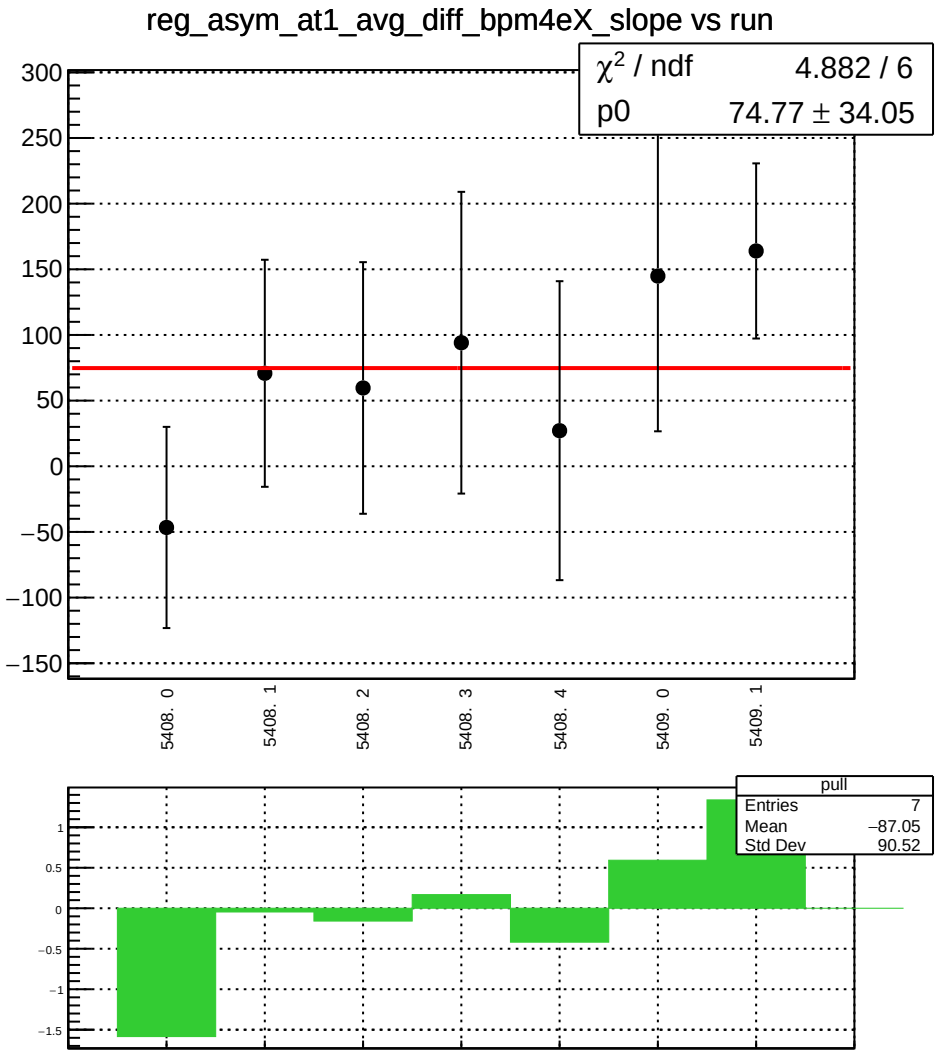

pull1D
Entries 7
Mean −0.01656
Std Dev 0.8124
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

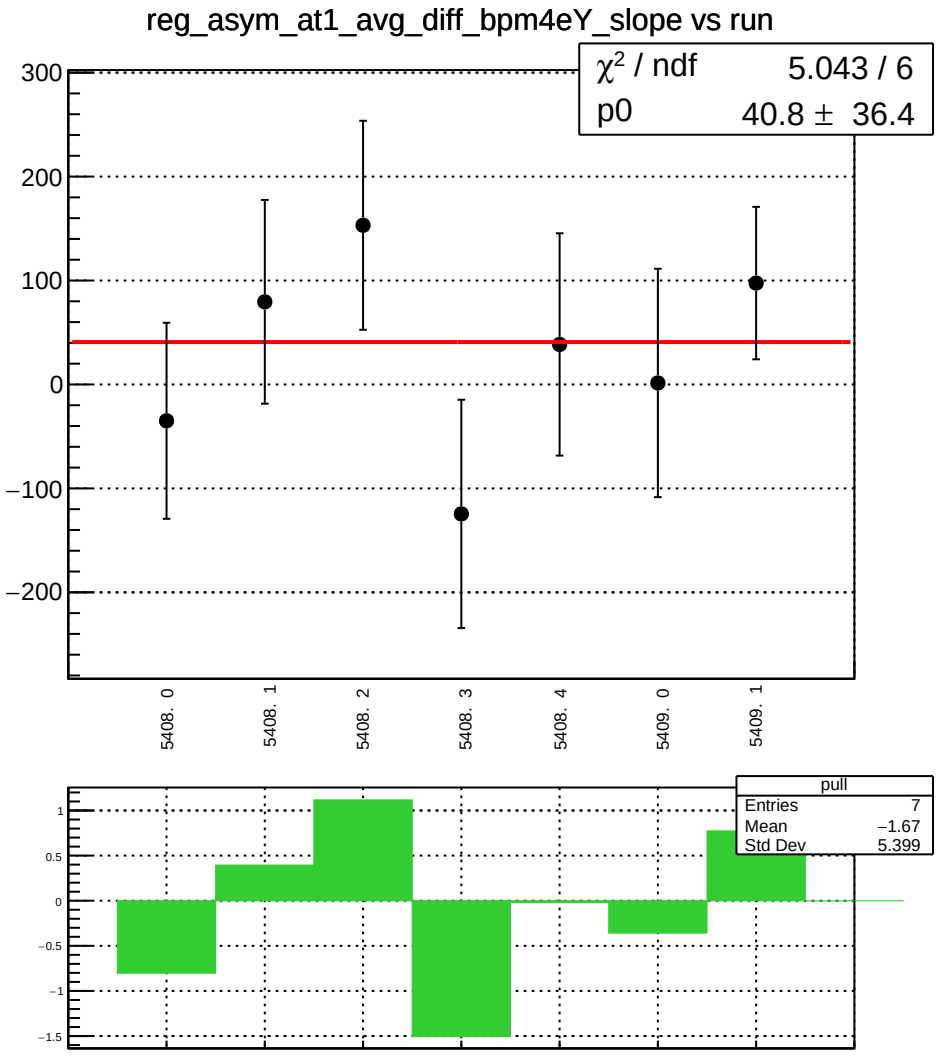

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 96.45 / 6
p0 121.4 ± 1.253
145
140
135
130
125
120
115
110
105
100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −18.01
Std Dev 21.64
4
2
0
−2
−4
pull1D
Entries 7
Mean 0.3187
Std Dev 3.698
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

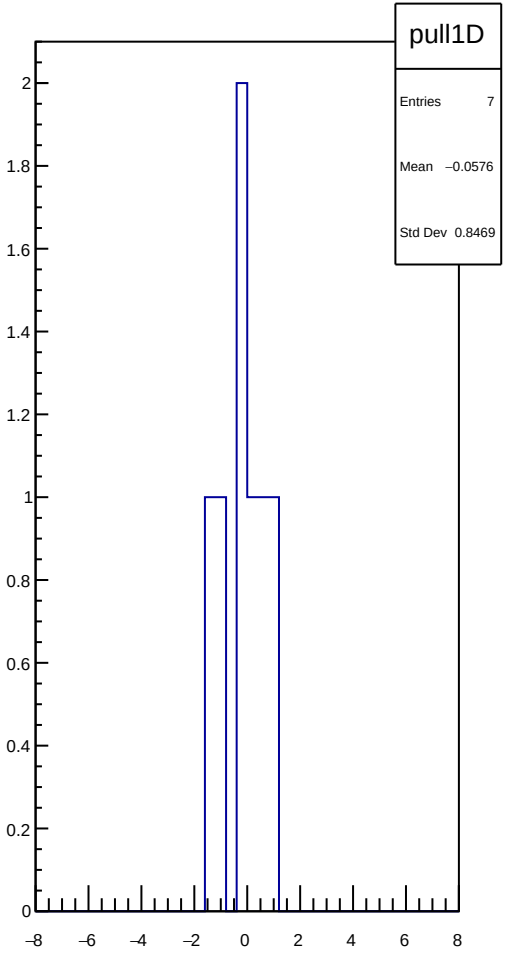

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.172 / 6
p0 −80.67 ± 34.7
150
100
50
0
−50
−100
−150
−200
−250
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −91.28
Std Dev 94.75
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean 0.01512
Std Dev 0.8594
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

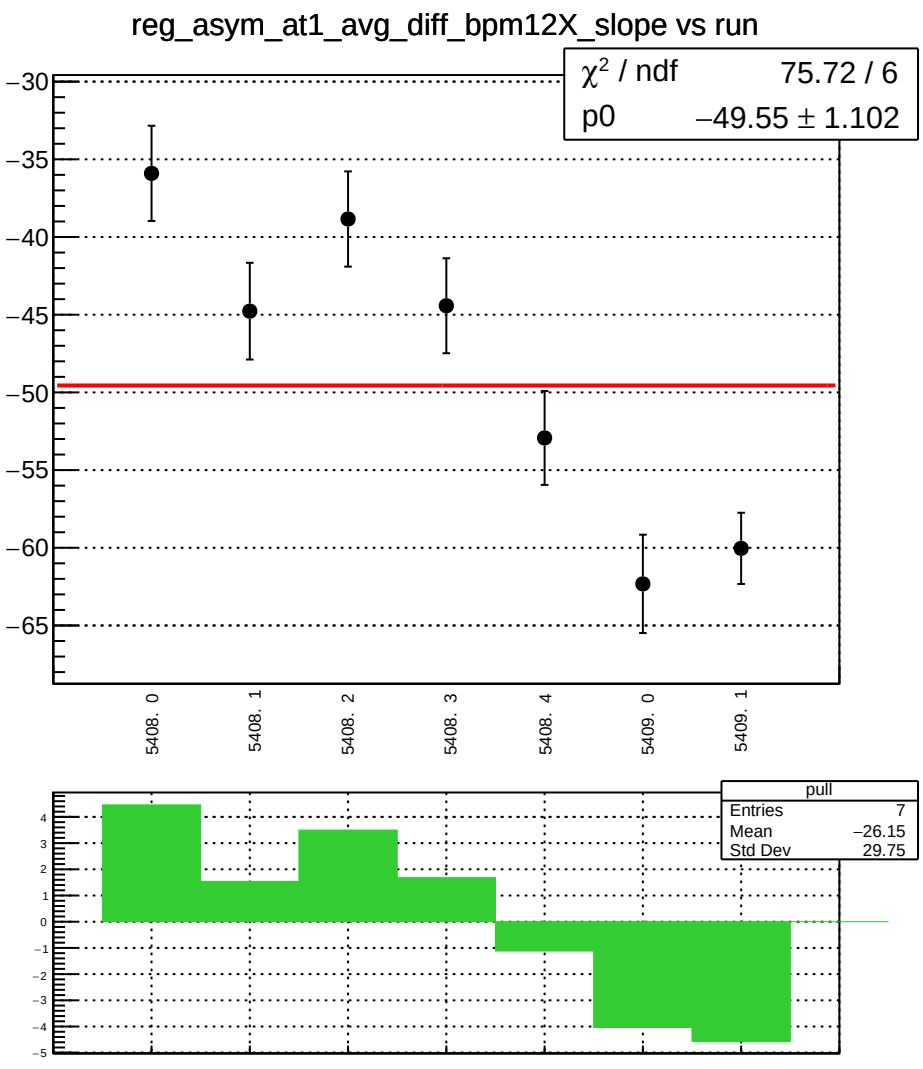

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.276 / 6
p0 −28.11± 31.72
200
150
100
50
0
−50
−100
−150
−200
−250
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.662
Std Dev 5.357
1.5
1
0.5
0
−0.5
−1

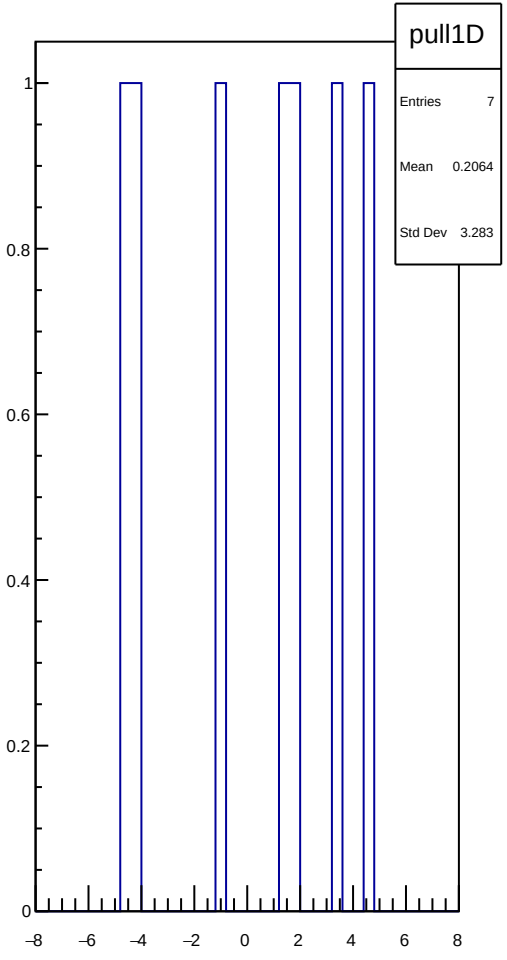

pull1D
Entries 7
Mean 0.04951
Std Dev 0.78
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

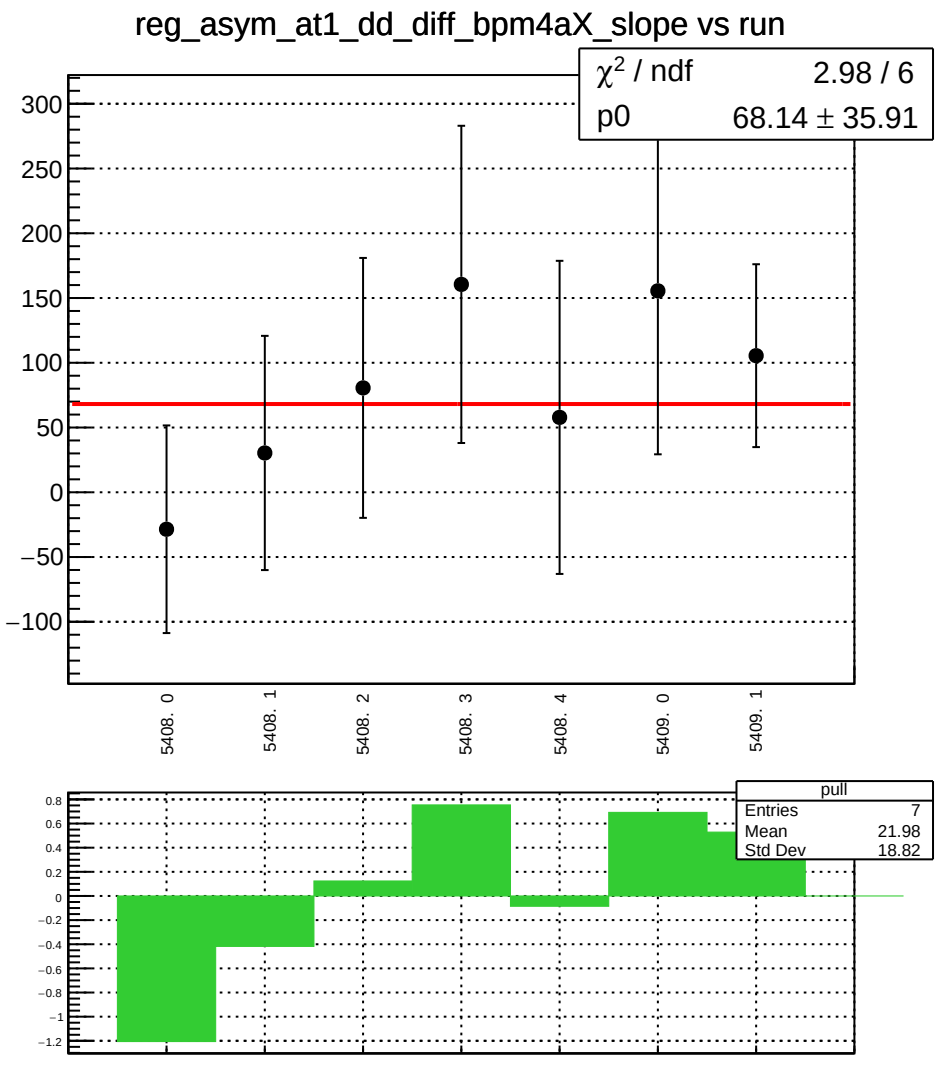

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.882 / 6
p0 74.77 ± 34.05
300
250
200
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −87.05
Std Dev 90.52
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.01543
Std Dev 0.835
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

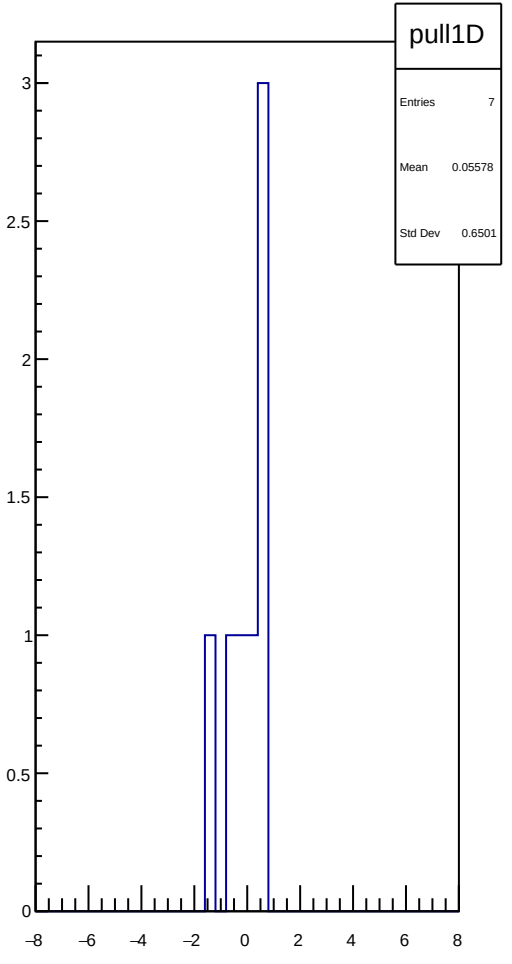

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.043 / 6
p0 40.8 ± 36.4
300
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.67
Std Dev 5.399
1
0.5
0
−0.5
−1
−1.5

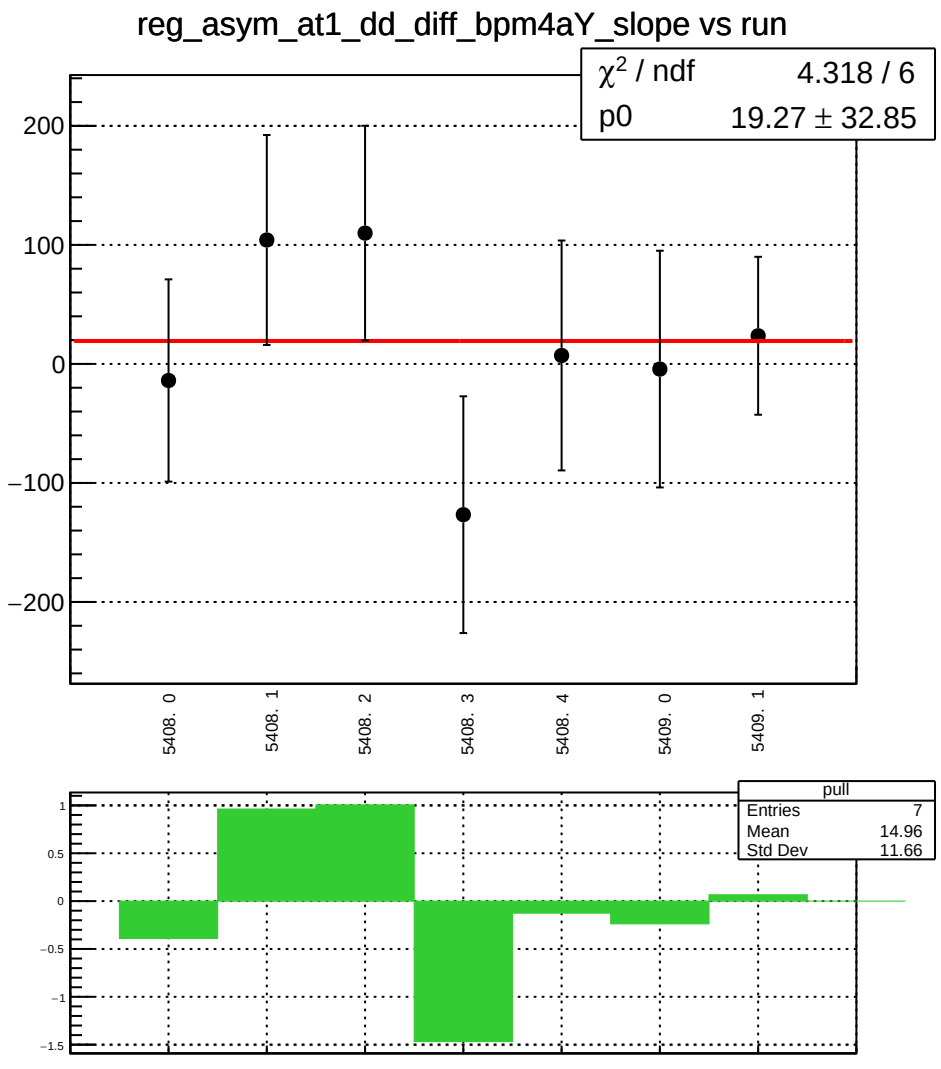

pull1D
Entries 7
Mean −0.0576
Std Dev 0.8469
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

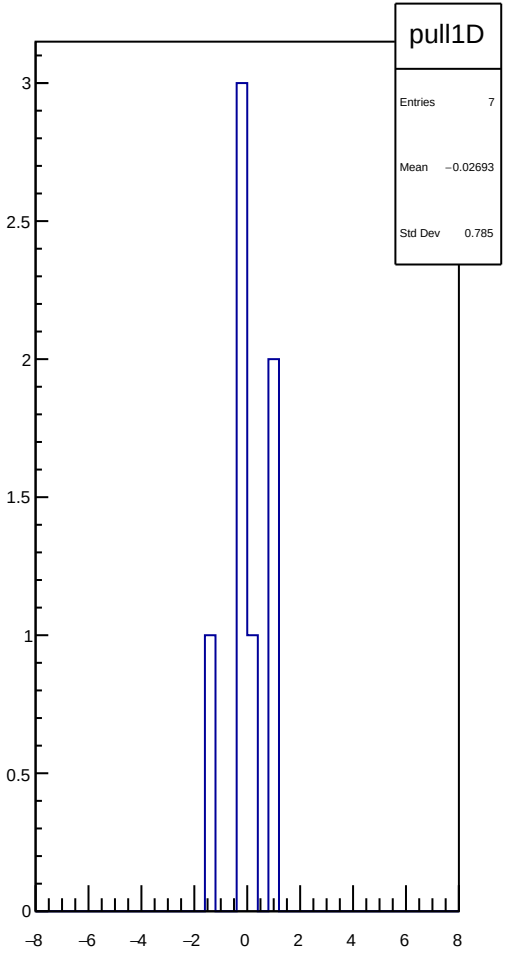

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 75.72 / 6
p0 −49.55 ± 1.102
−30
−35
−40
−45
−50
−55
−60
−65
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −26.15
Std Dev 29.75
4
3
2
1
0
−1
−2
−3
−4
−5

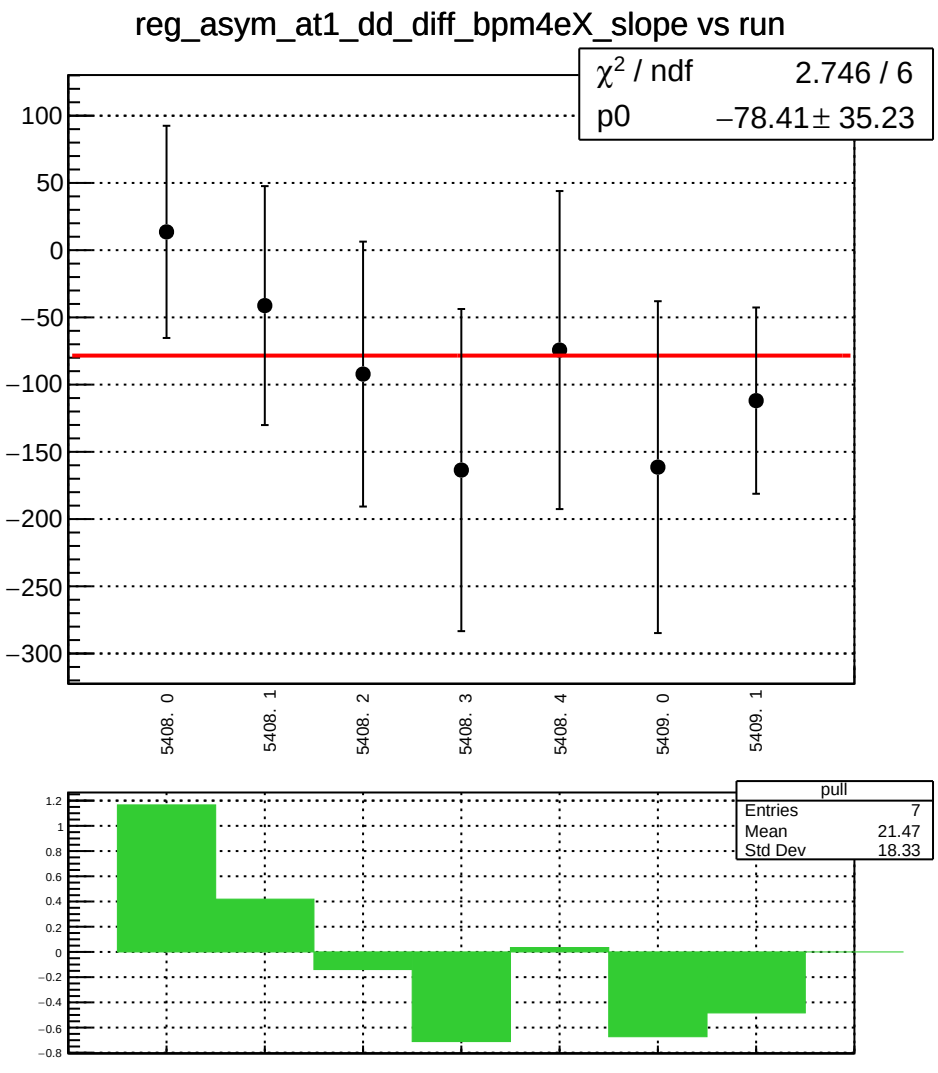

pull1D
Entries 7
Mean 0.2064
Std Dev 3.283
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

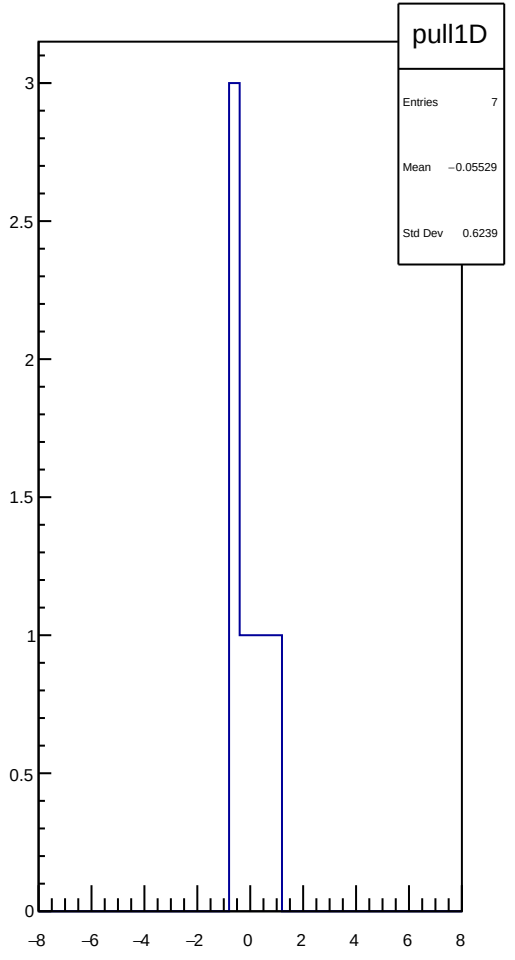

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.98 / 6
p0 68.14 ± 35.91
300
250
200
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 21.98
Std Dev 18.82
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

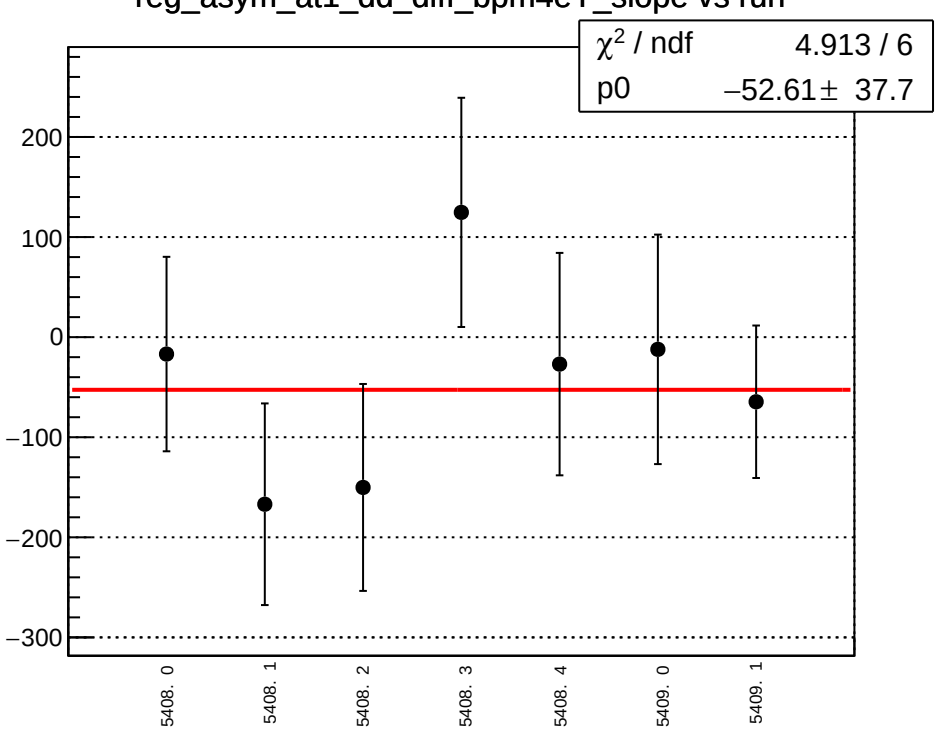

pull1D
Entries 7
Mean 0.05578
Std Dev 0.6501
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

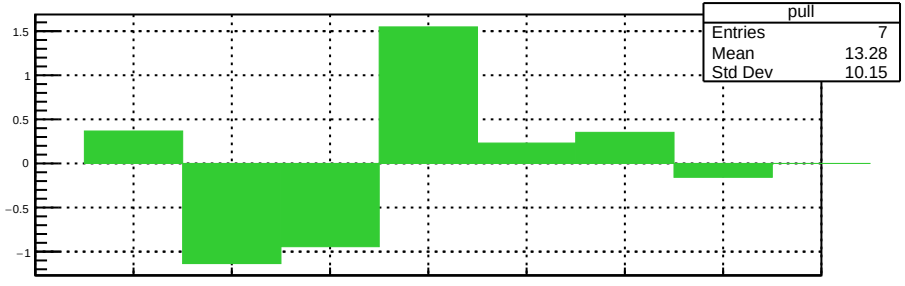

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.318 / 6
p0 19.27 ± 32.85
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 14.96
Std Dev 11.66
1
0.5
0
−0.5
−1
−1.5

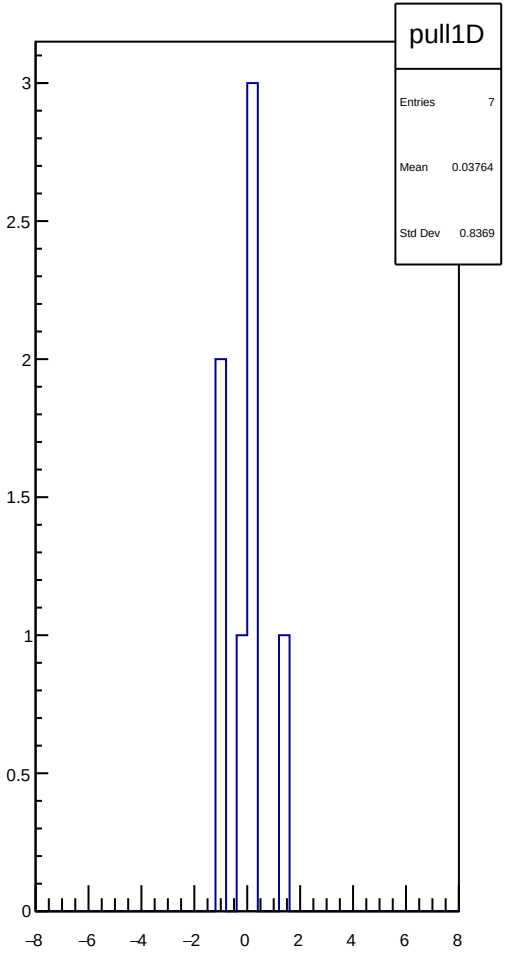

pull1D
Entries 7
Mean −0.02693
Std Dev 0.785
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

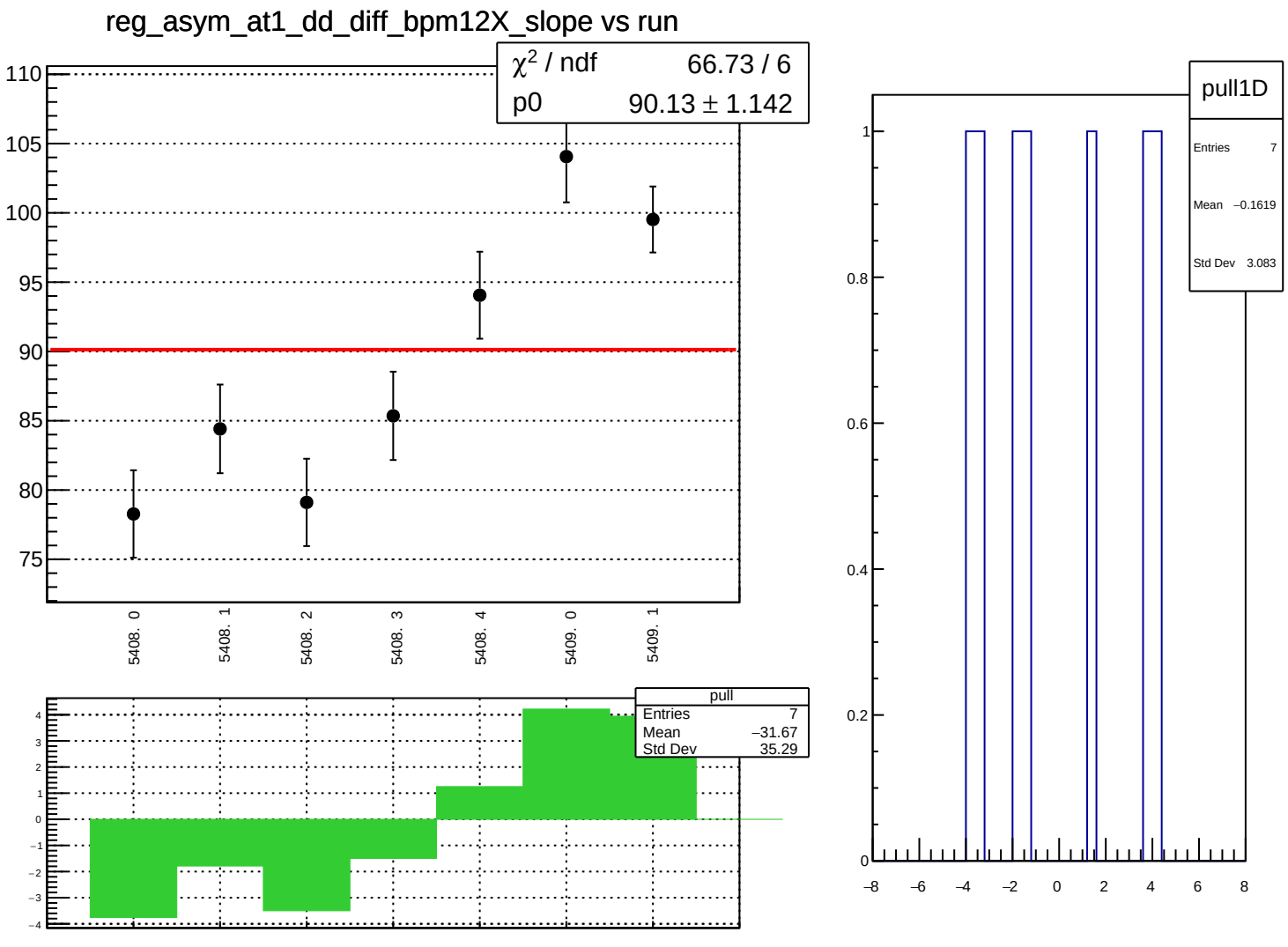

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.746 / 6
p0 −78.41 ± 35.23
100
50
0
−50
−100
−150
−200
−250
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 21.47
Std Dev 18.33
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

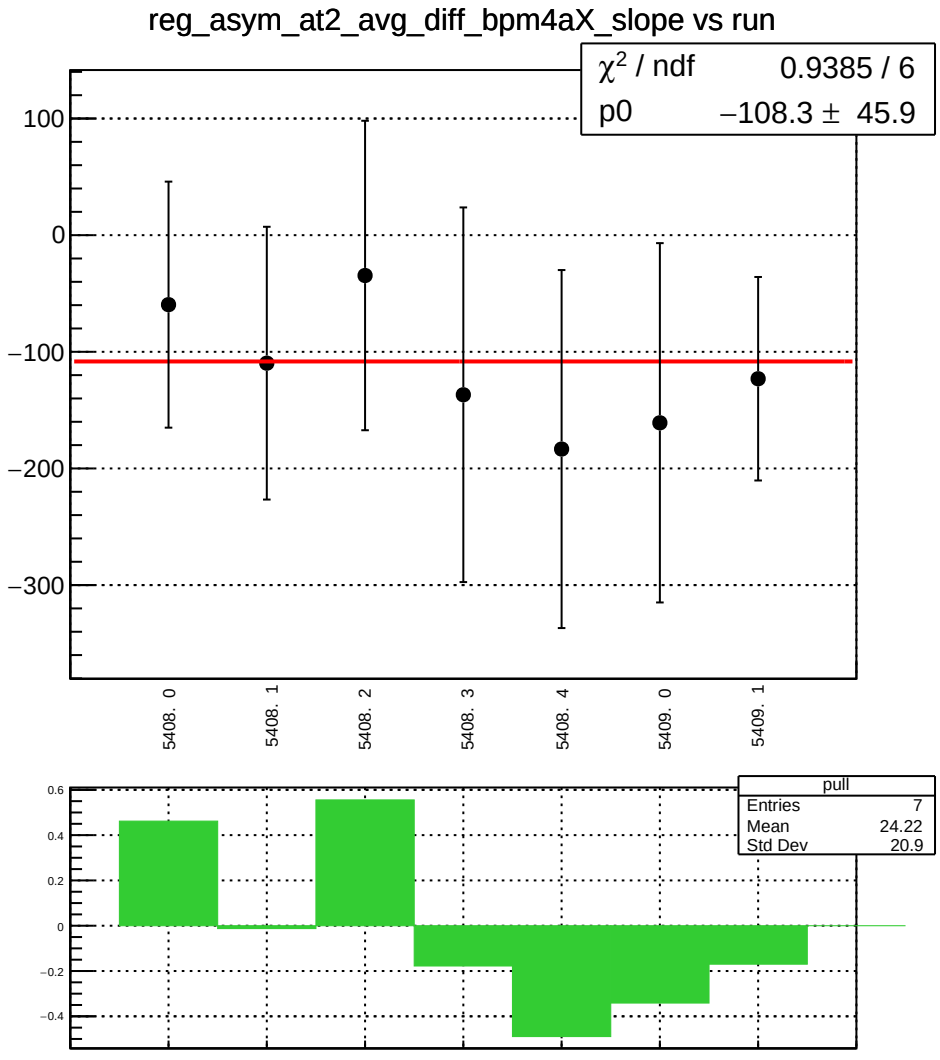

pull1D
Entries 7
Mean −0.05529
Std Dev 0.6239
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

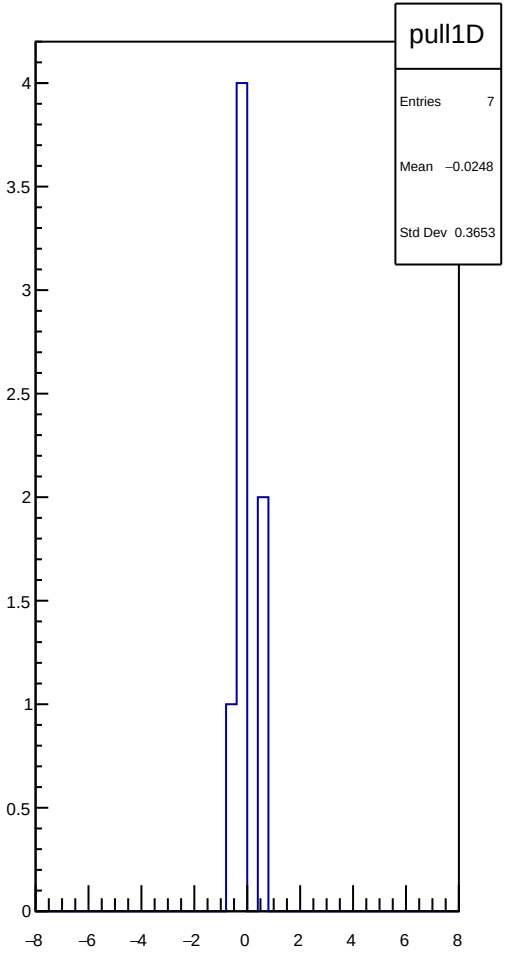

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.913 / 6
p0 −52.61± 37.7
200
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

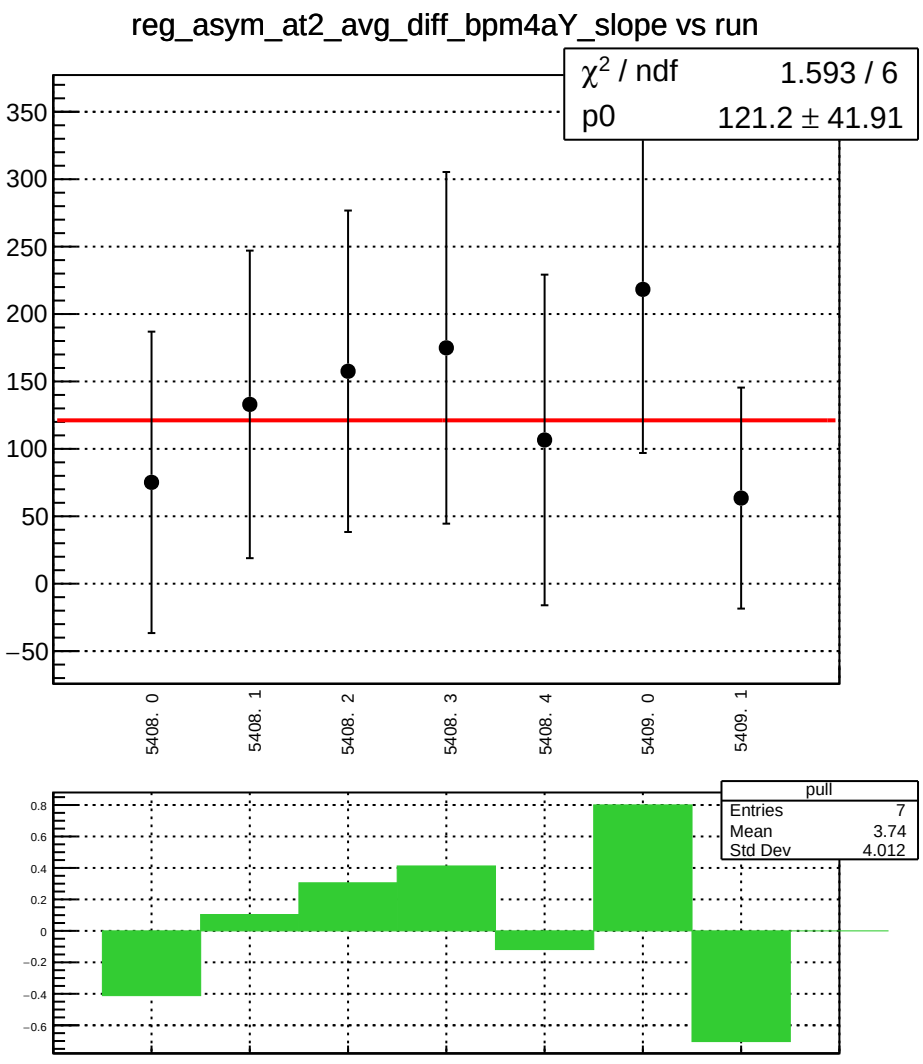

pull
Entries 7
Mean 13.28
Std Dev 10.15
1.5
1
0.5
0
−0.5
−1

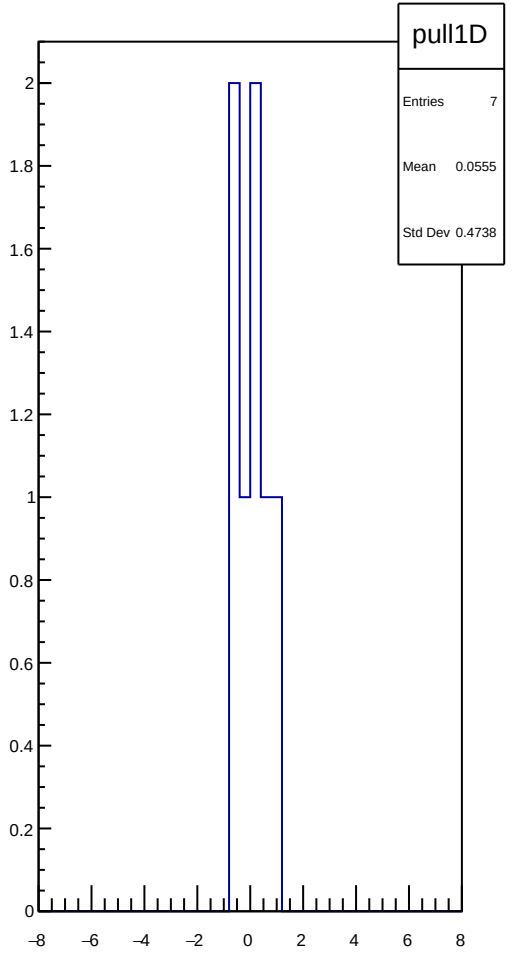

pull1D
Entries 7
Mean 0.03764
Std Dev 0.8369
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

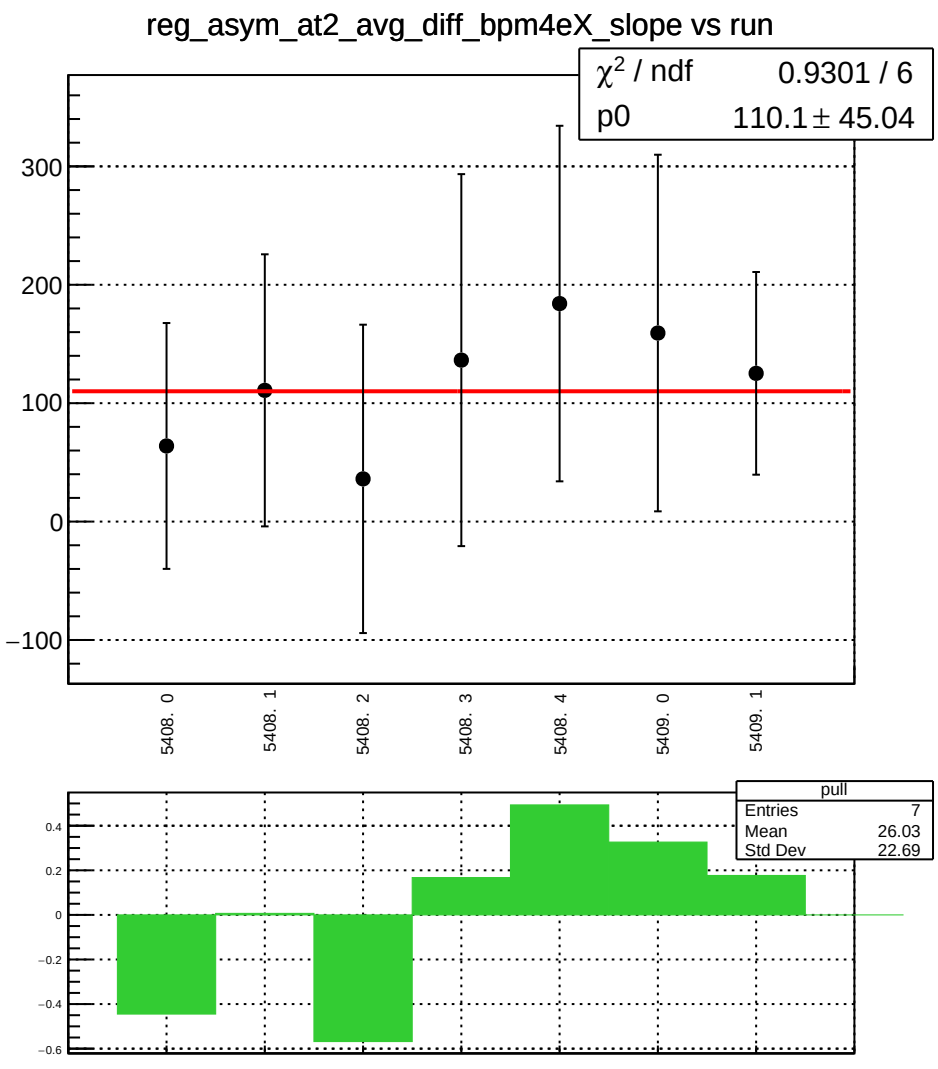

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 66.73 / 6
p0 90.13 ± 1.142
110
105
100
95
90
85
80
75
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −31.67
Std Dev 35.29
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 7
Mean −0.1619
Std Dev 3.083
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

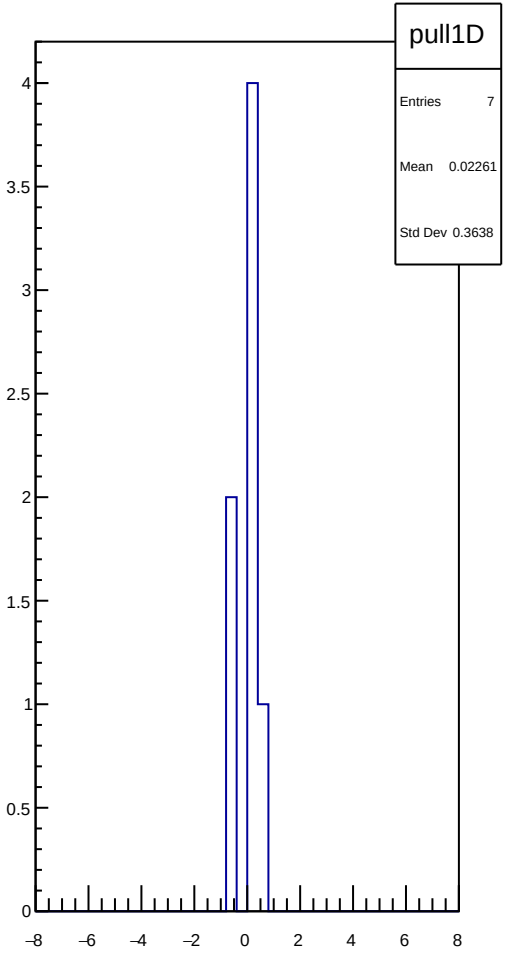

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.9385 / 6
p0 −108.3 ± 45.9
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 24.22
Std Dev 20.9
0.6
0.4
0.2
0
−0.2
−0.4

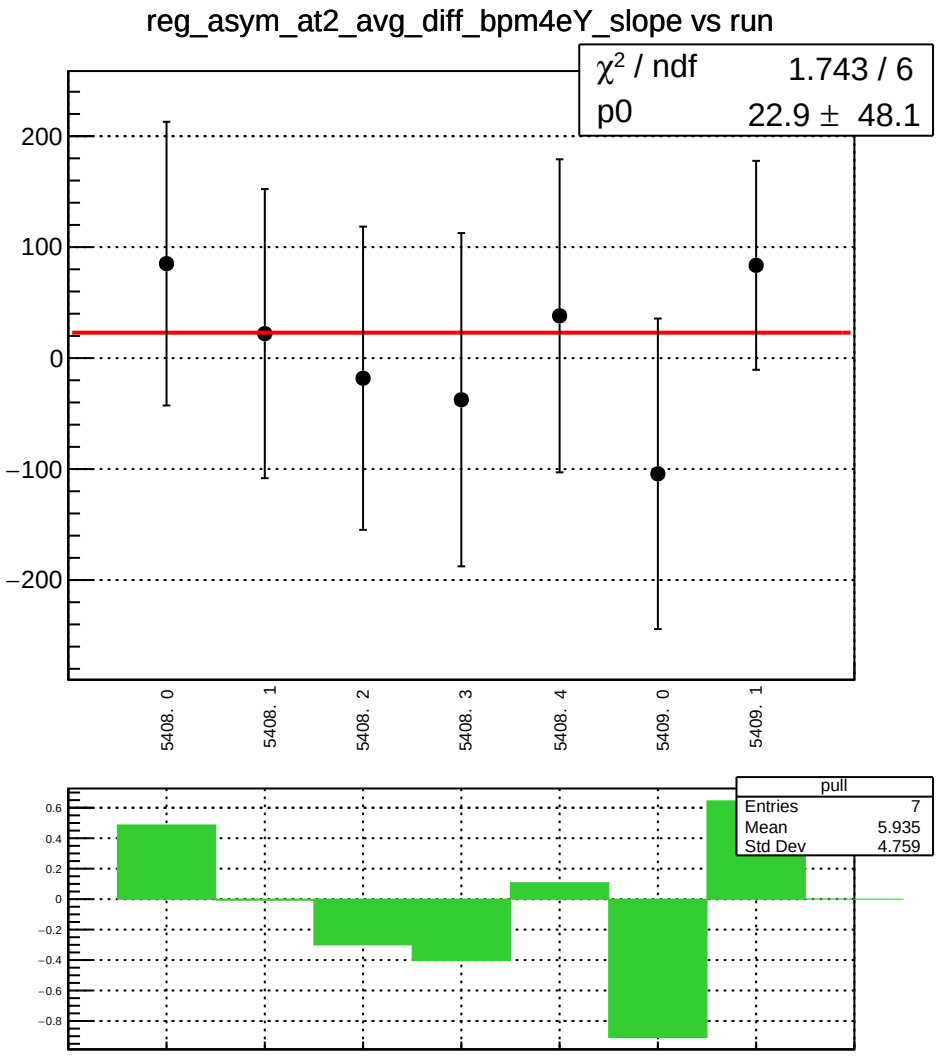

pull1D
Entries 7
Mean −0.0248
Std Dev 0.3653
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

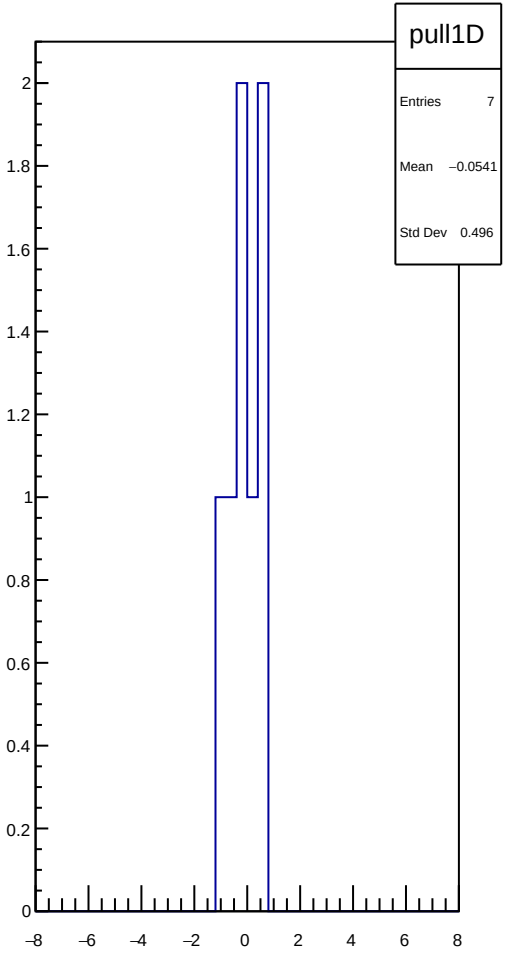

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.593 / 6
p0 121.2 ± 41.91
350
300
250
200
150
100
50
0
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.74
Std Dev 4.012
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

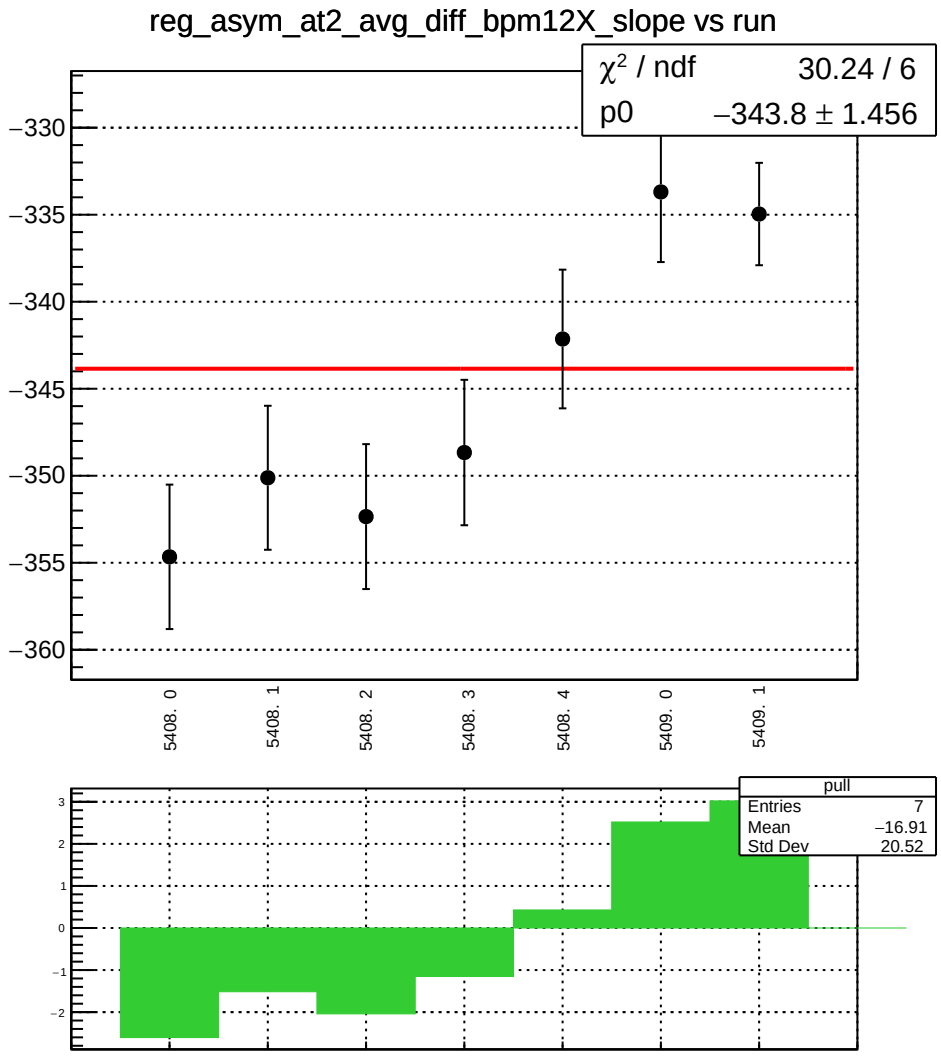

pull1D
Entries 7
Mean 0.0555
Std Dev 0.4738
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

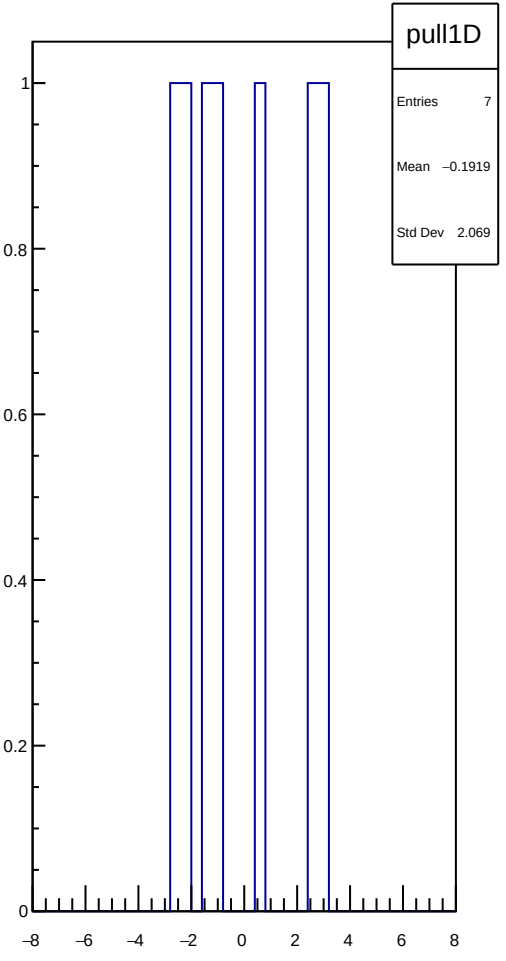

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.9301 / 6
p0 110.1 ± 45.04
300
200
100
0
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 26.03
Std Dev 22.69
0.4
0.2
0
−0.2
−0.4
−0.6

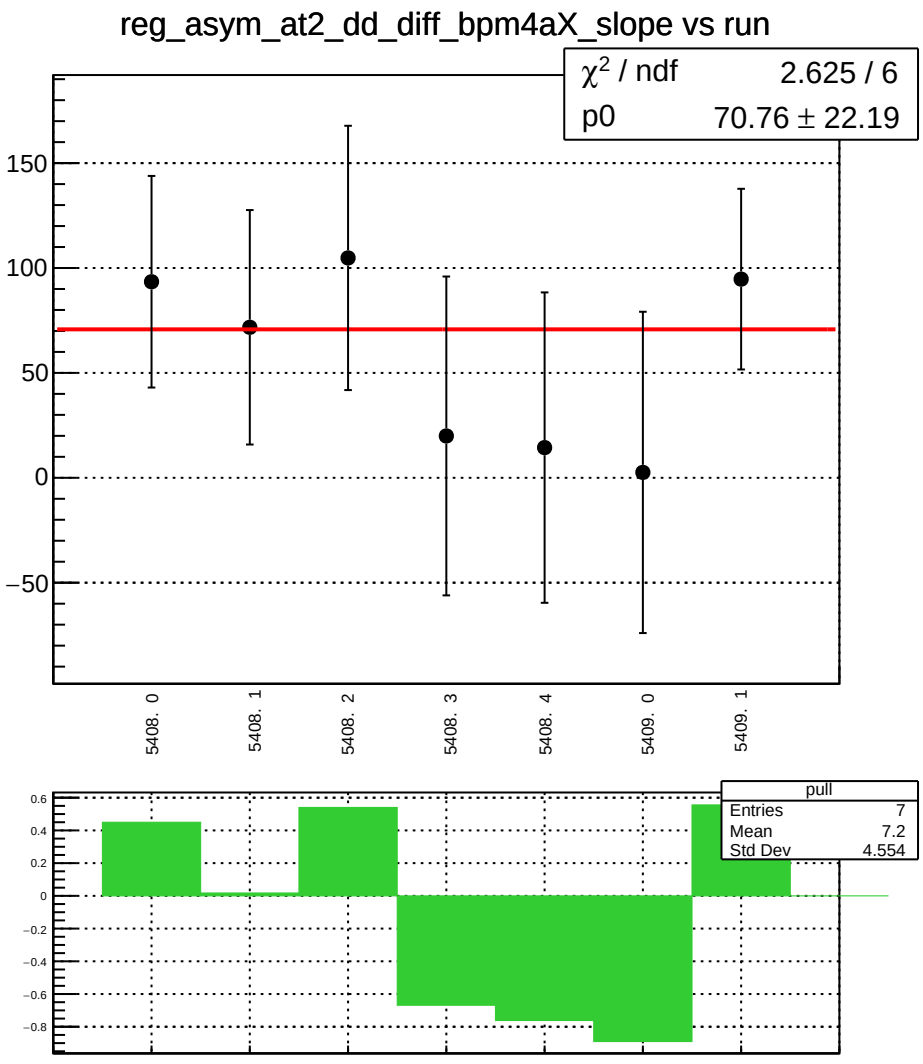

pull1D
Entries 7
Mean 0.02261
Std Dev 0.3638
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

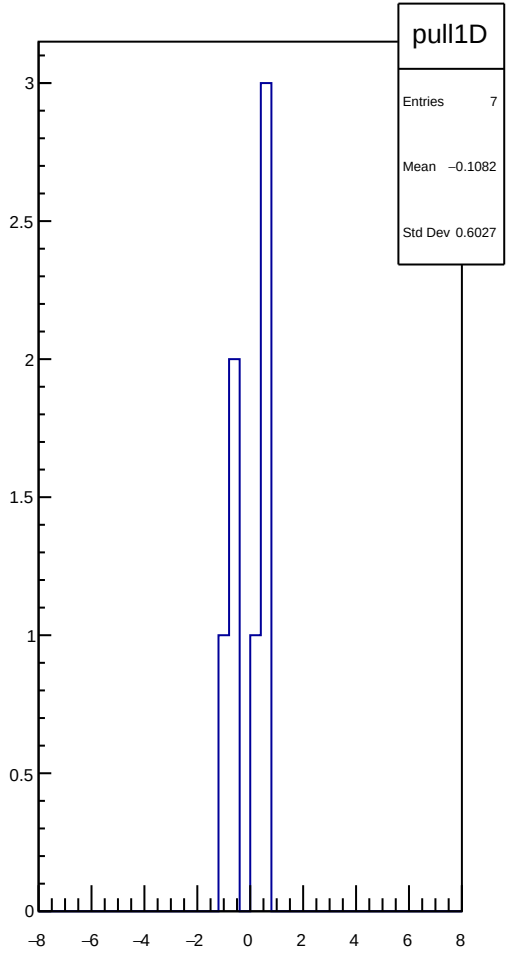

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.743 / 6
p0 22.9 ± 48.1
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.935
Std Dev 4.759
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

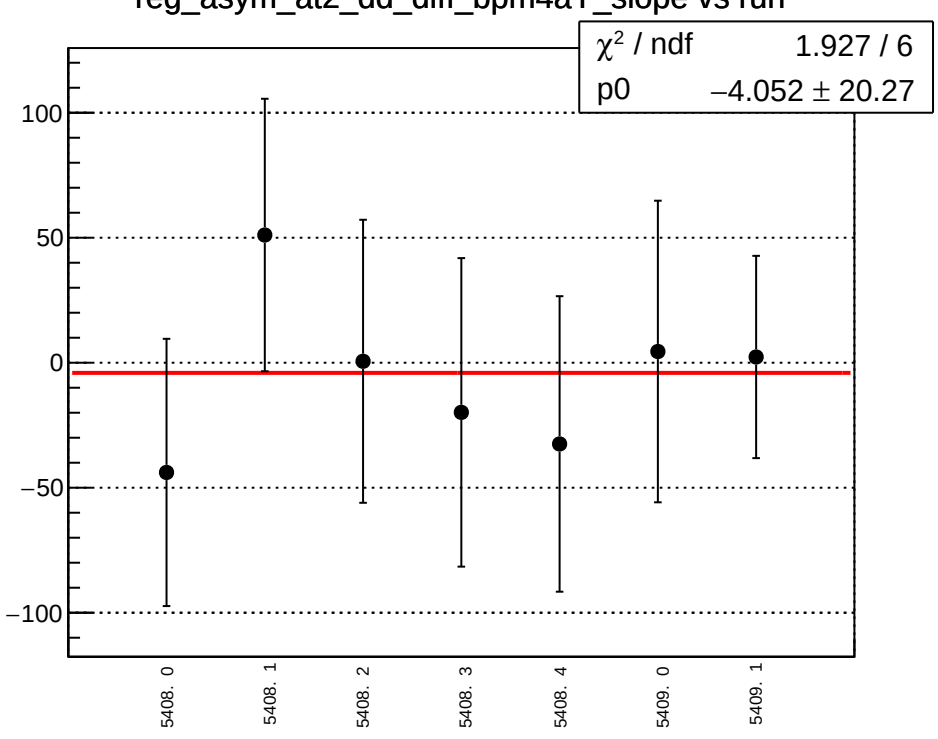

pull1D
Entries 7
Mean −0.0541
Std Dev 0.496
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

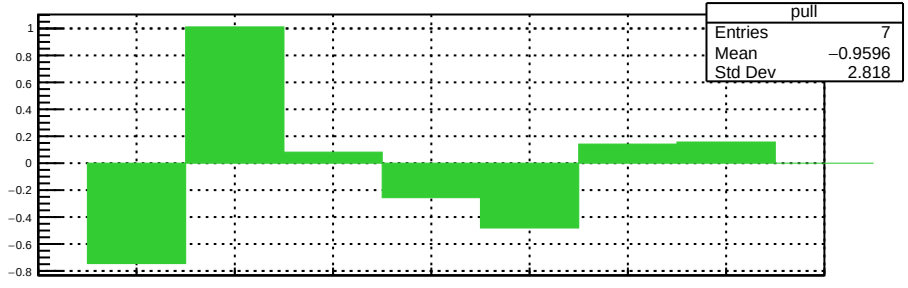

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 30.24 / 6
p0 −343.8 ± 1.456
−330
−335
−340
−345
−350
−355
−360
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −16.91
Std Dev 20.52
3
2
1
0
−1
−2

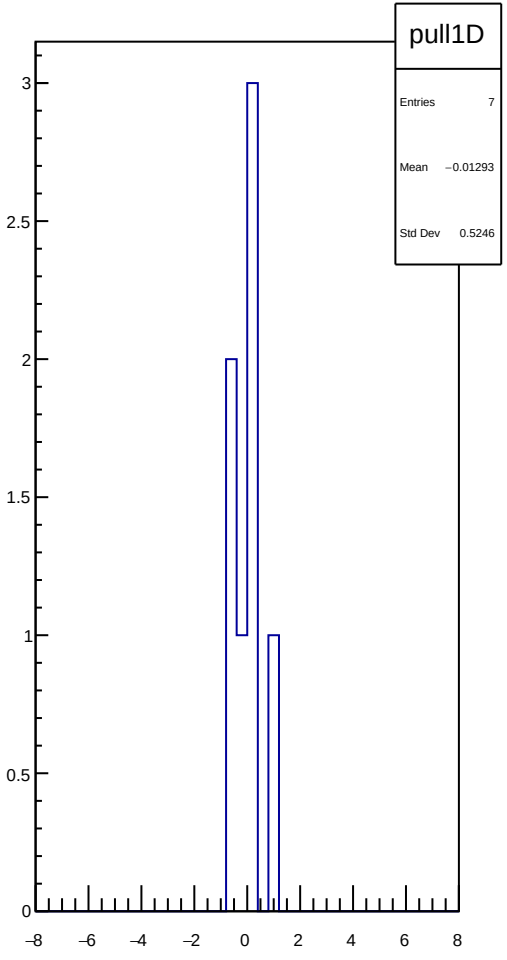

pull1D
Entries 7
Mean −0.1919
Std Dev 2.069
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

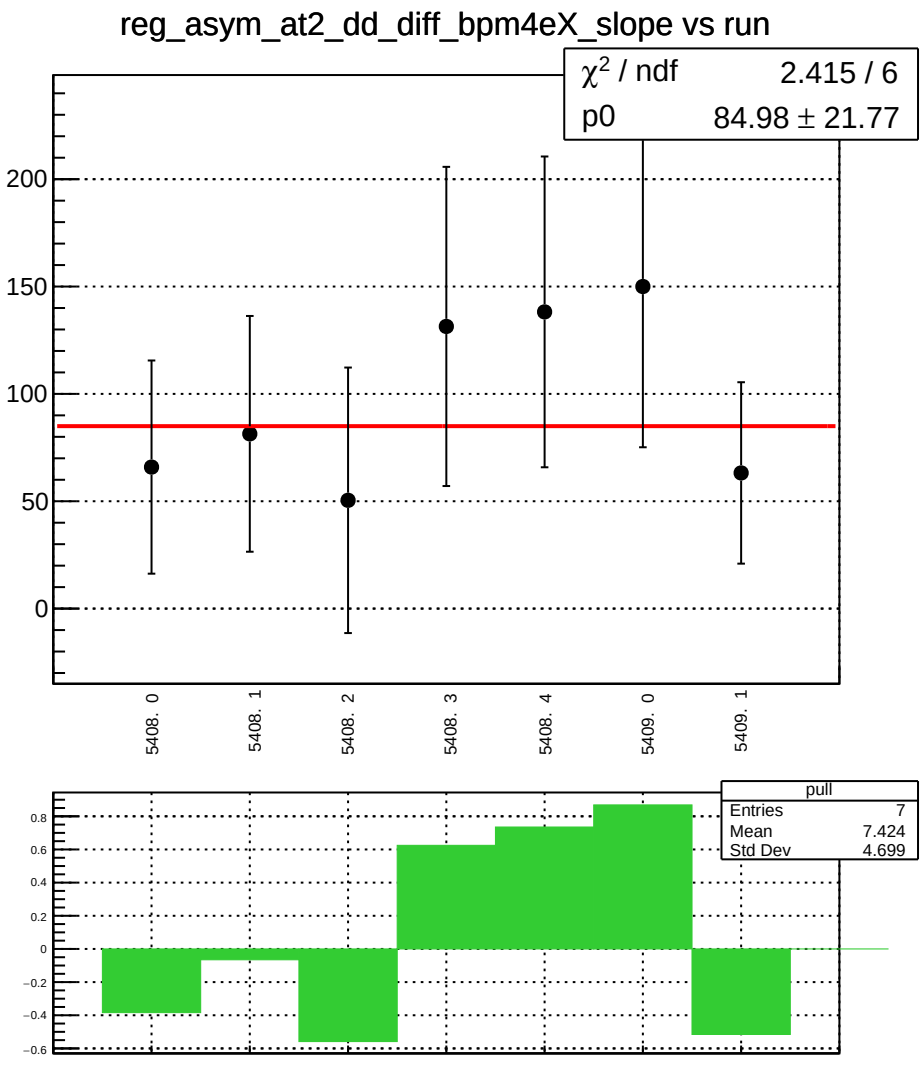

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.625 / 6
p0 70.76 ± 22.19
150
100
50
0
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.2
Std Dev 4.554
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

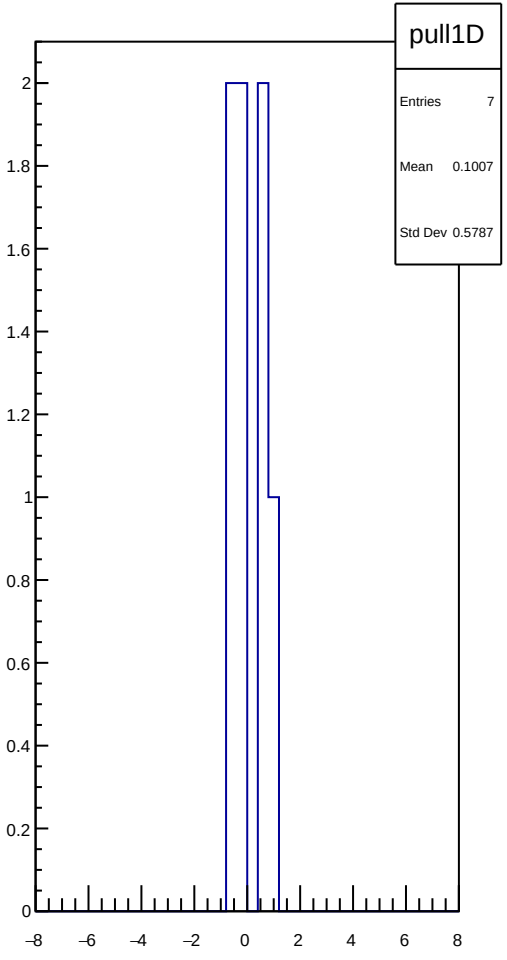

pull1D
Entries 7
Mean −0.1082
Std Dev 0.6027
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

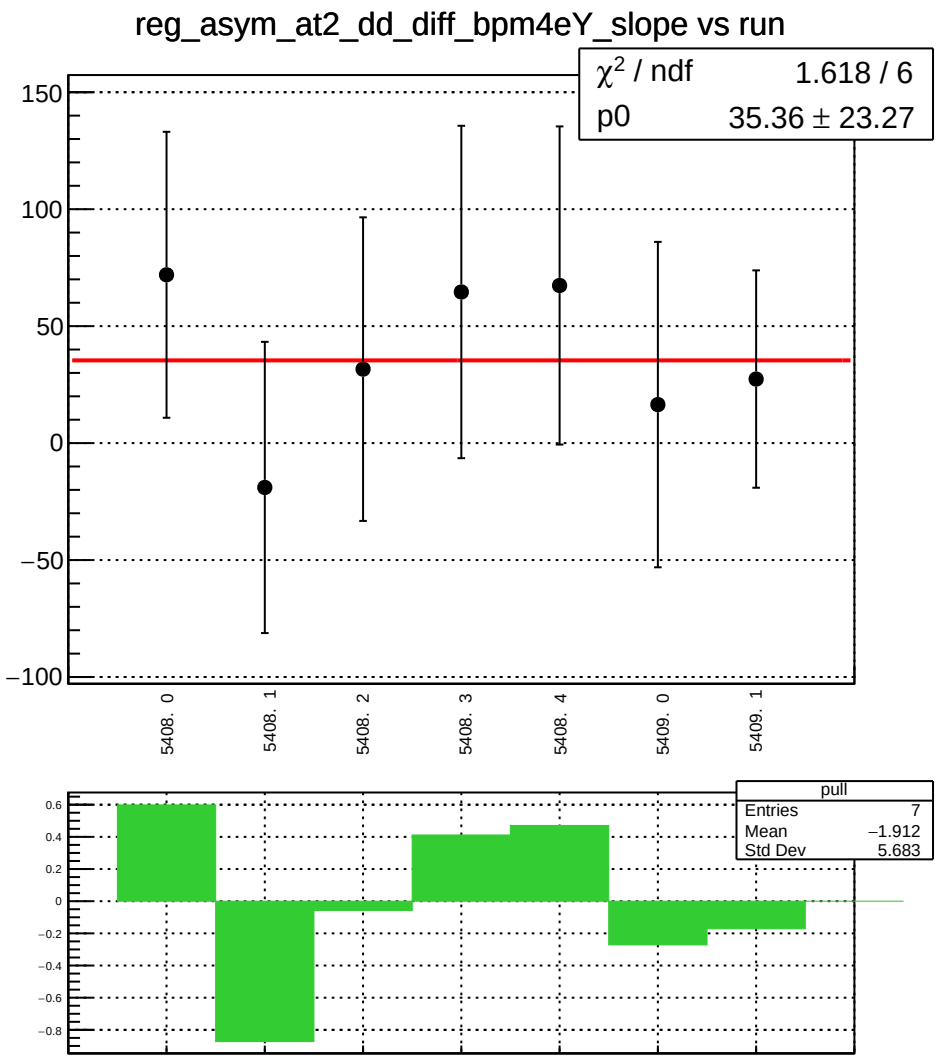

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.927 / 6
p0 −4.052 ± 20.27
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1

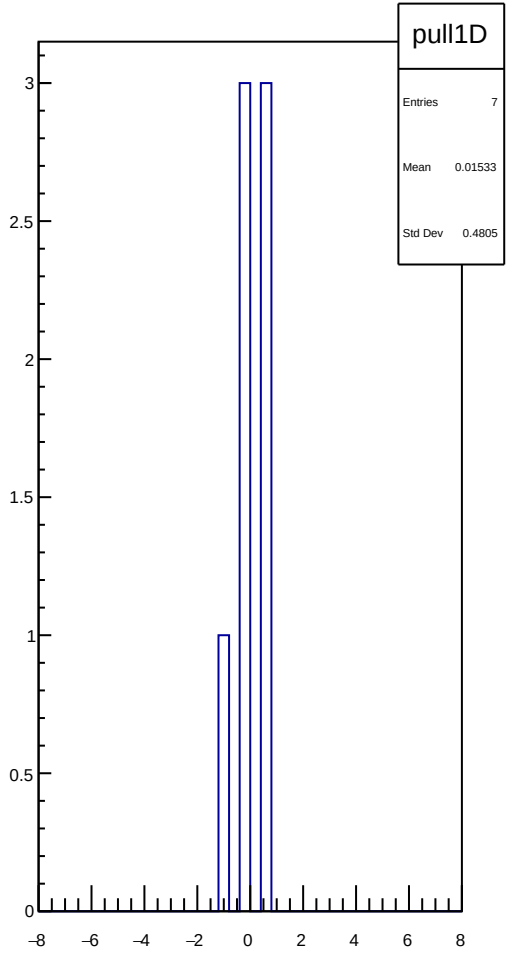

pull
Entries 7
Mean −0.9596
Std Dev 2.818
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

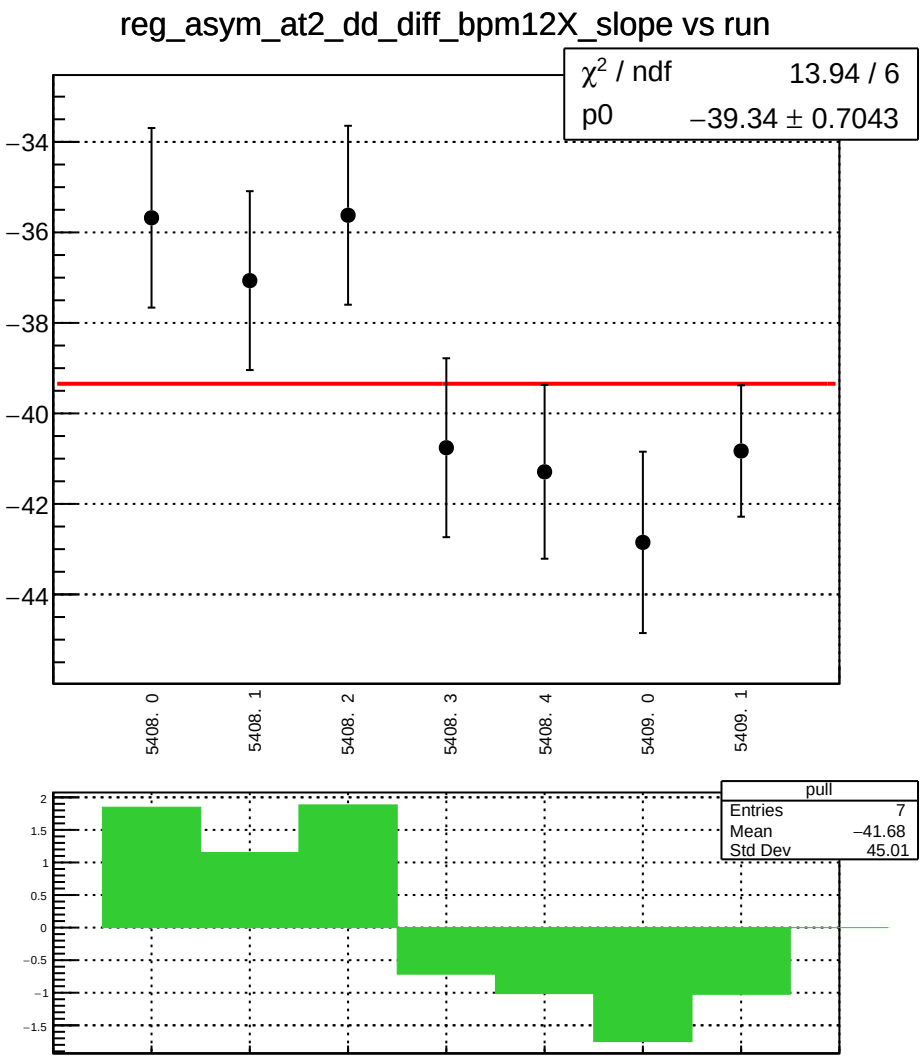

pull1D
Entries 7
Mean −0.01293
Std Dev 0.5246
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

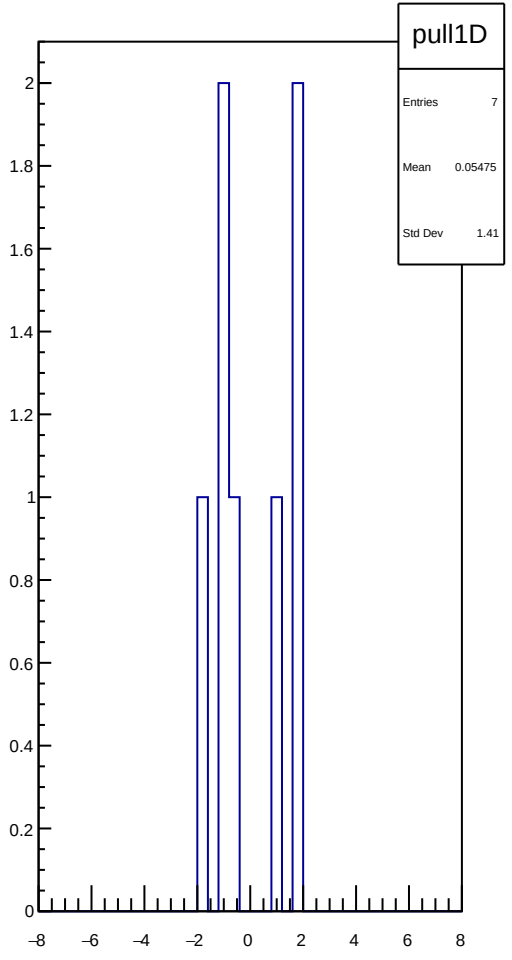

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.415 / 6
p0 84.98 ± 21.77
200
150
100
50
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 7.424
Std Dev 4.699
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

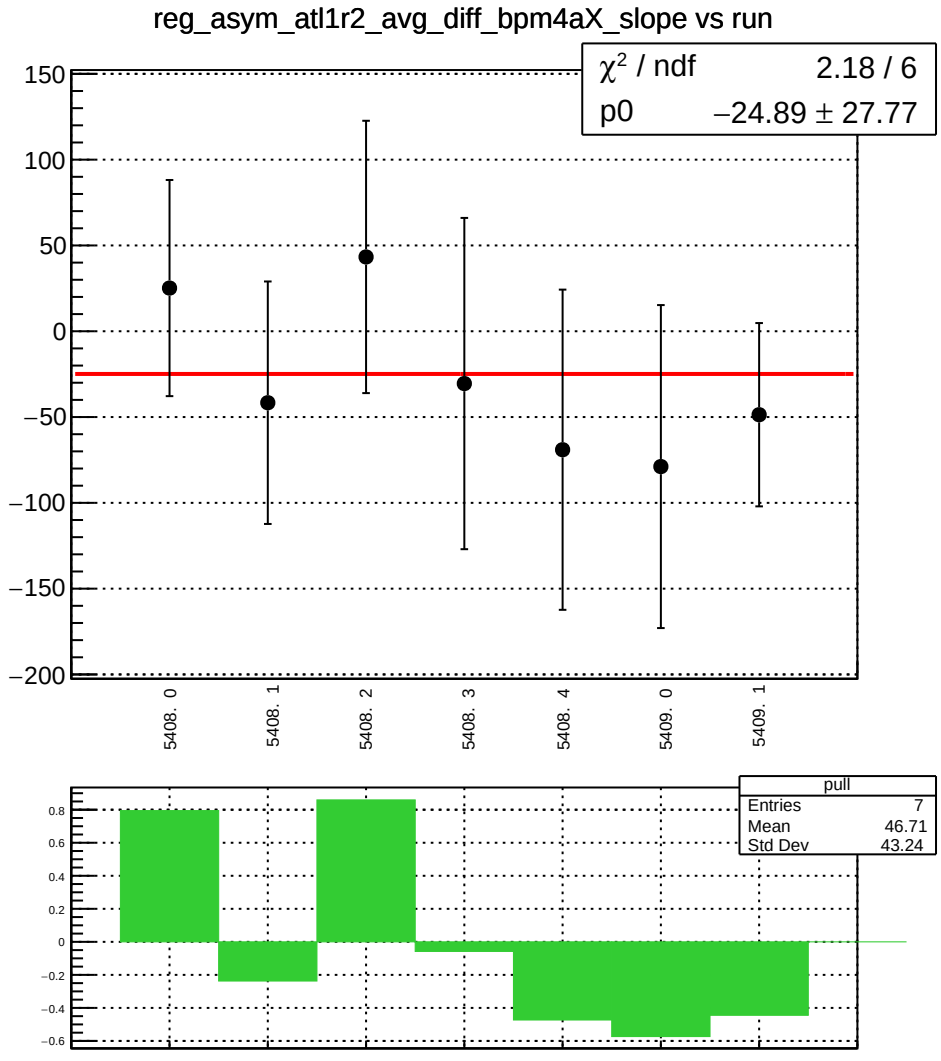

pull1D
Entries 7
Mean 0.1007
Std Dev 0.5787
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

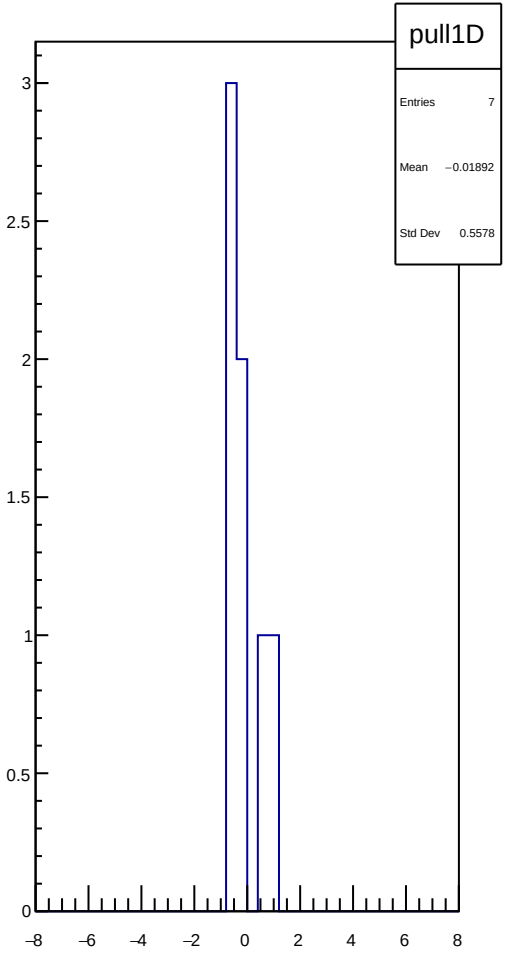

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.618 / 6
p0 35.36 ± 23.27
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.912
Std Dev 5.683
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

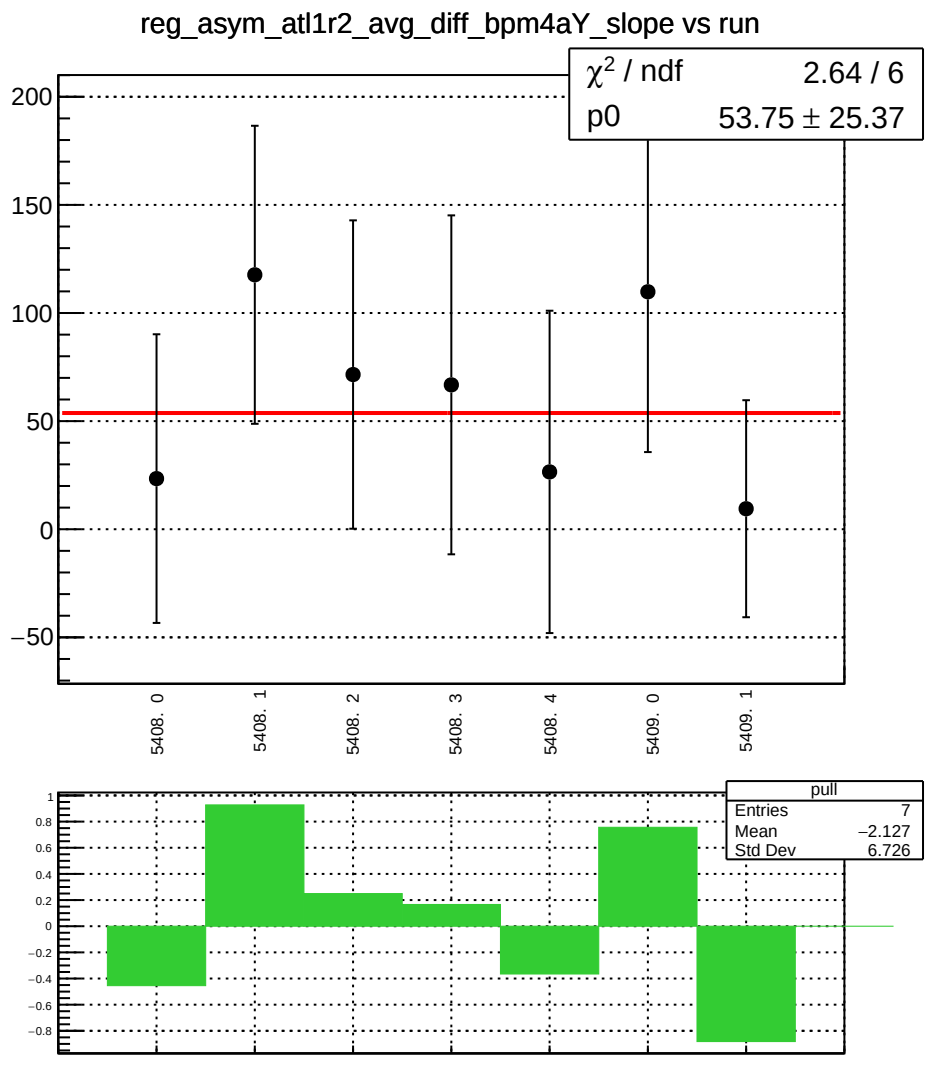

pull1D
Entries 7
Mean 0.01533
Std Dev 0.4805
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

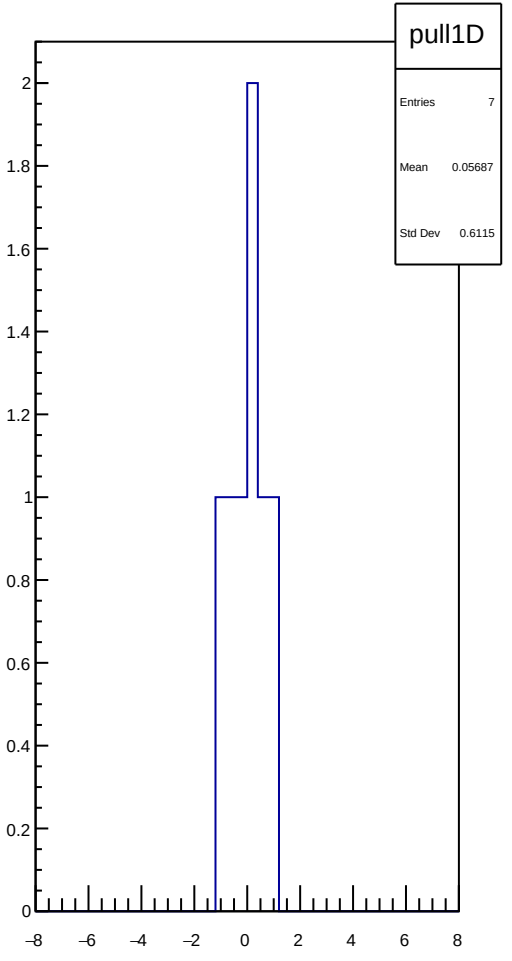

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.94 / 6
p0 −39.34 ± 0.7043
−34
−36
−38
−40
−42
−44
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −41.68
Std Dev 45.01
2
1.5
1
0.5
0
−0.5
−1
−1.5

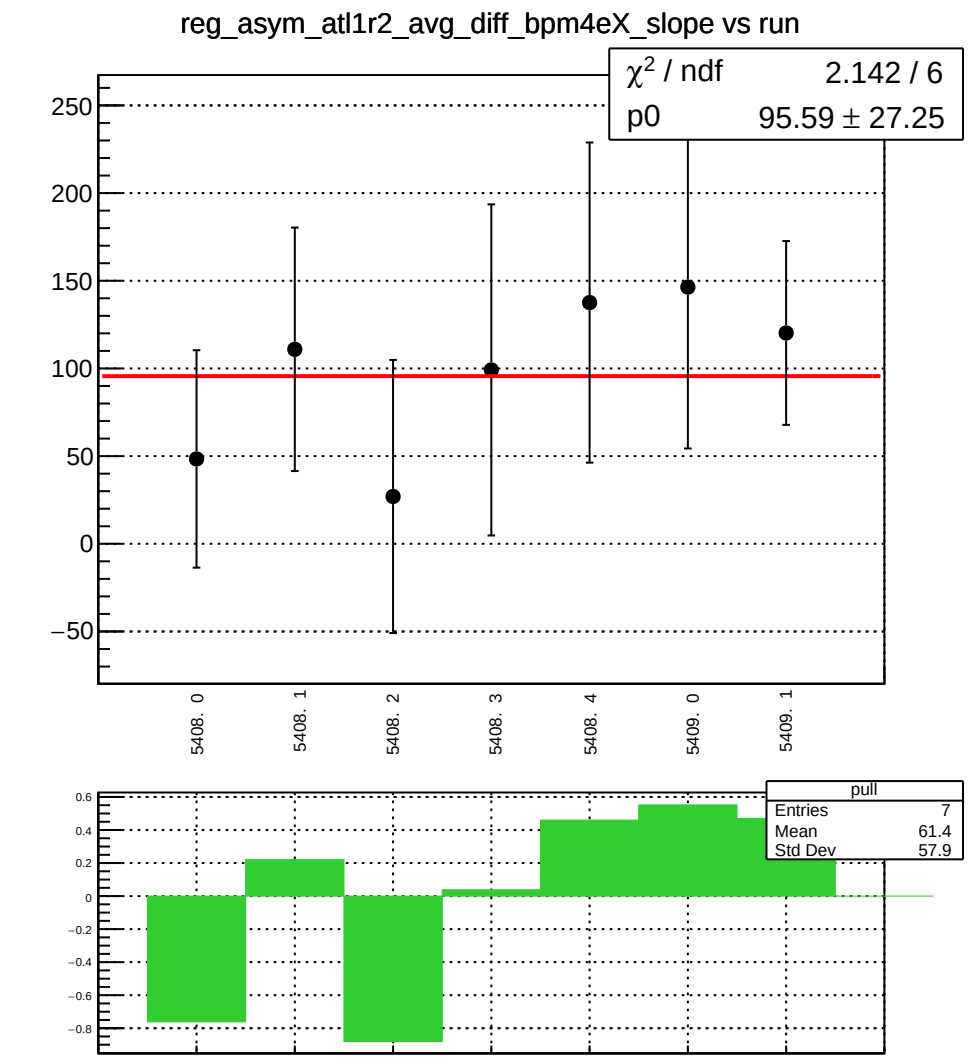

pull1D
Entries 7
Mean 0.05475
Std Dev 1.41
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

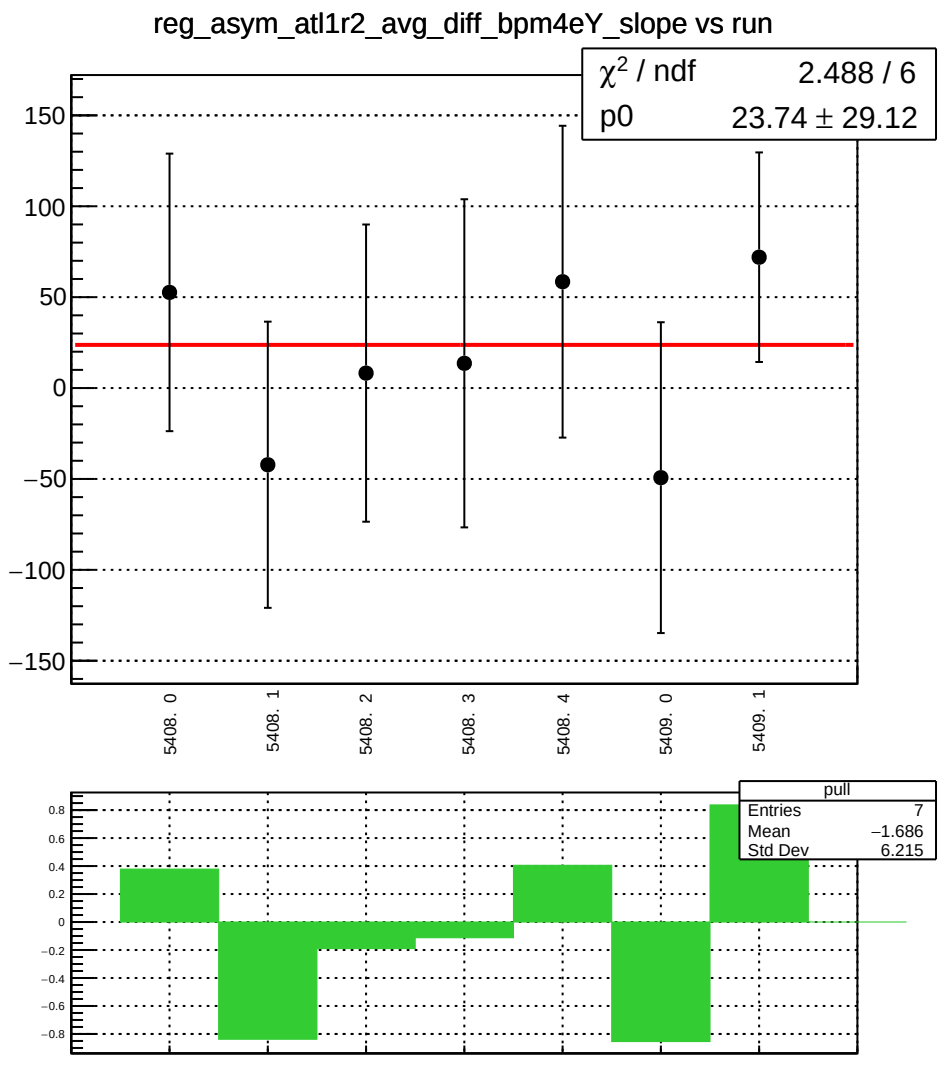

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.18 / 6
p0 −24.89 ± 27.77
150
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 46.71
Std Dev 43.24
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

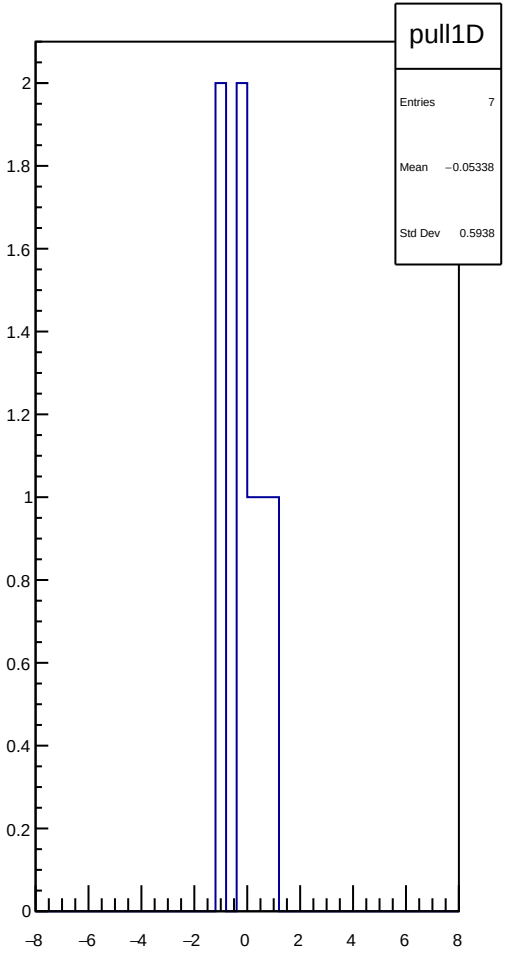

pull1D
Entries 7
Mean −0.01892
Std Dev 0.5578
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

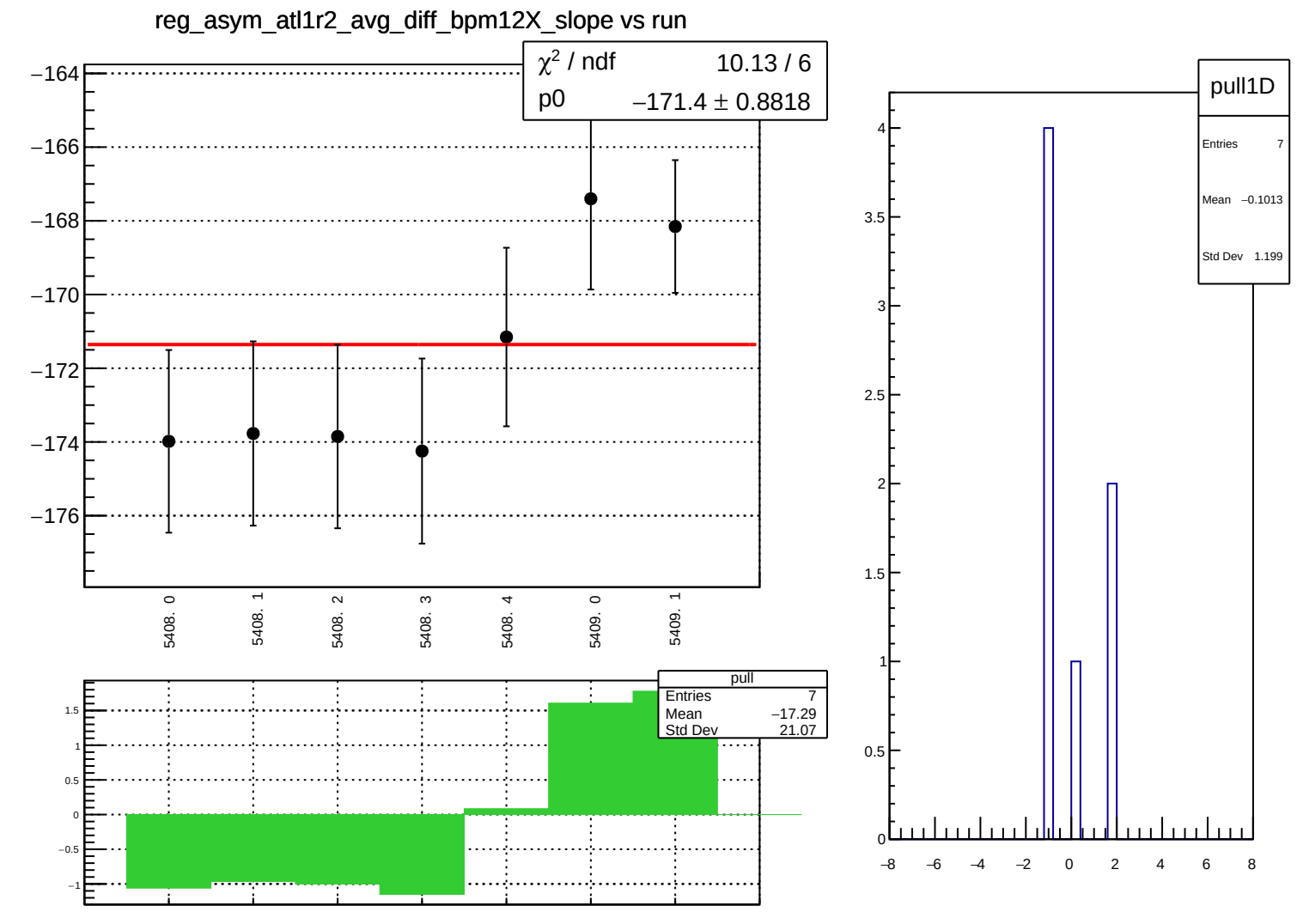

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.64 / 6
p0 53.75 ± 25.37
200
150
100
50
0
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −2.127
Std Dev 6.726
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

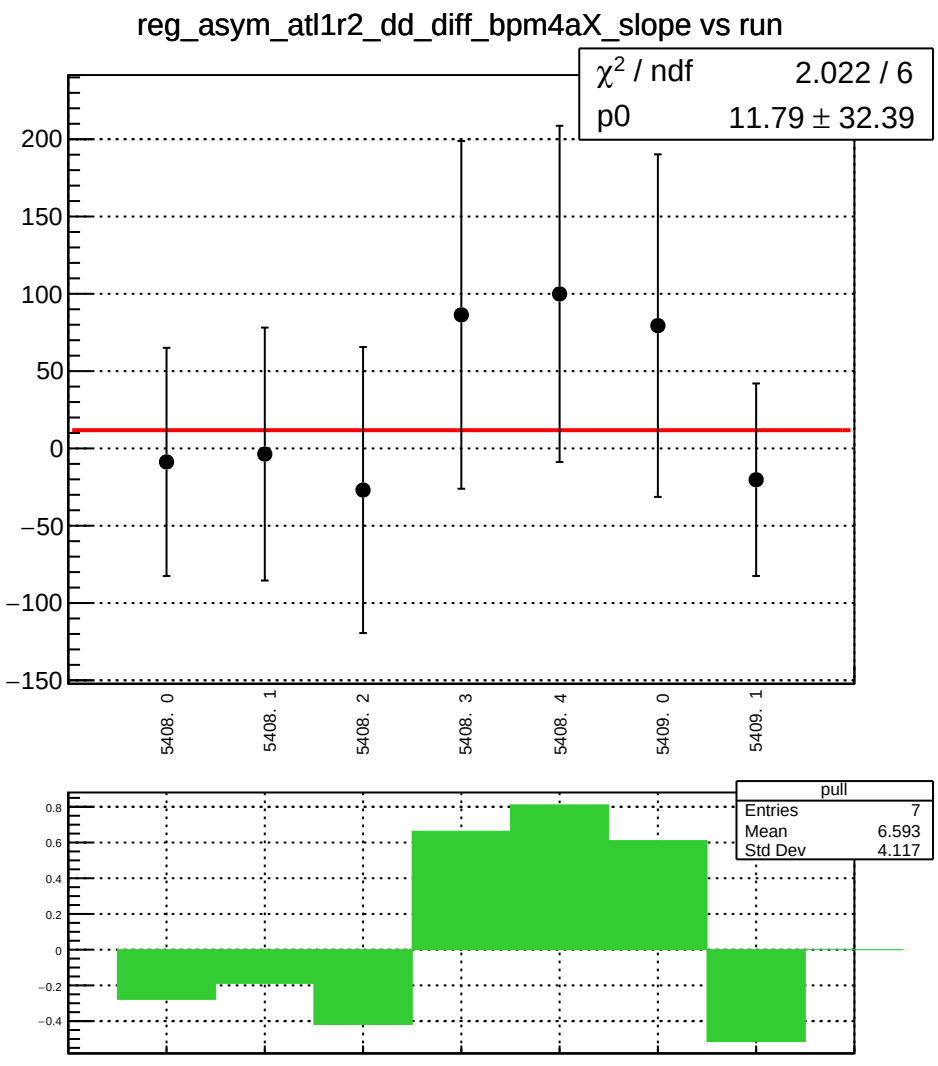

pull1D
Entries 7
Mean 0.05687
Std Dev 0.6115
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

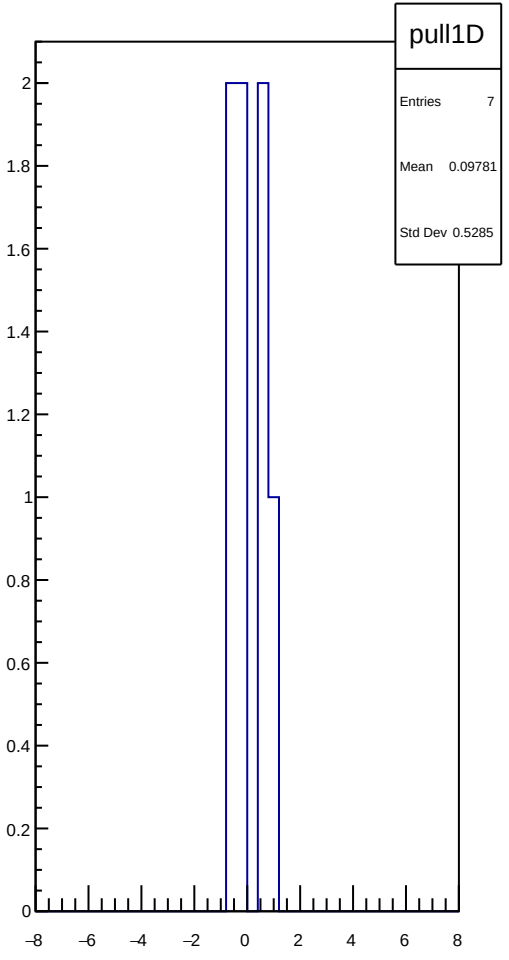

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.142 / 6
p0 95.59 ± 27.25
250
200
150
100
50
0
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 61.4
Std Dev 57.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean 0.01406
Std Dev 0.5531
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

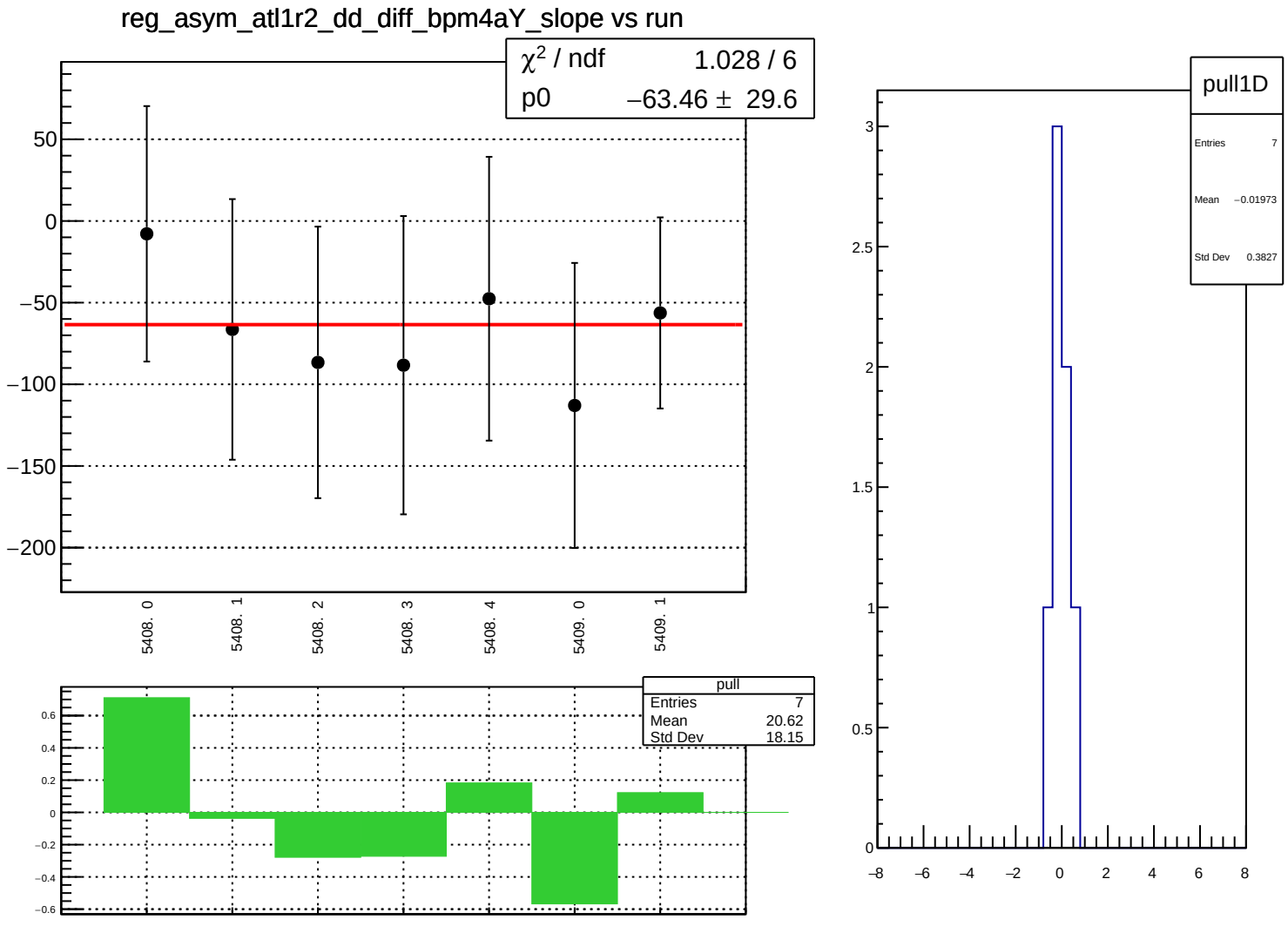

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.488 / 6
p0 23.74 ± 29.12
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −1.686
Std Dev 6.215
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

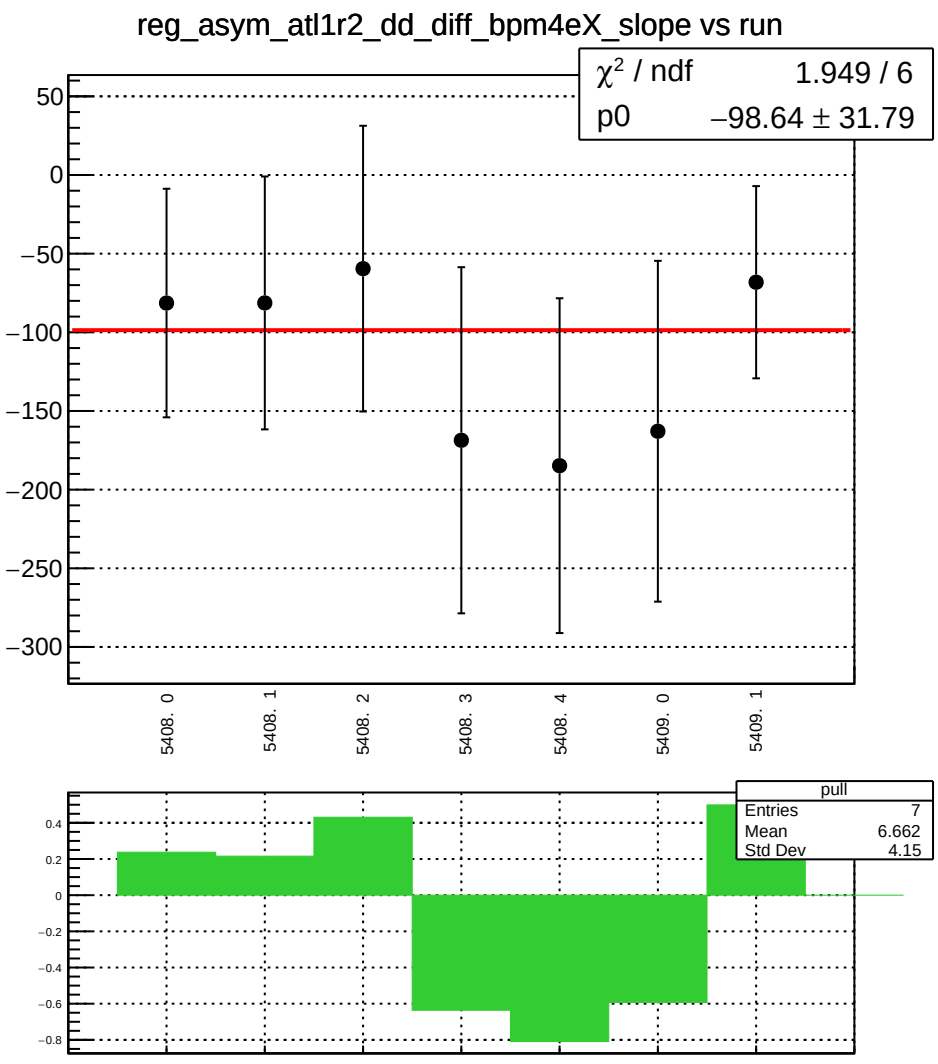

pull1D
Entries 7
Mean −0.05338
Std Dev 0.5938
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

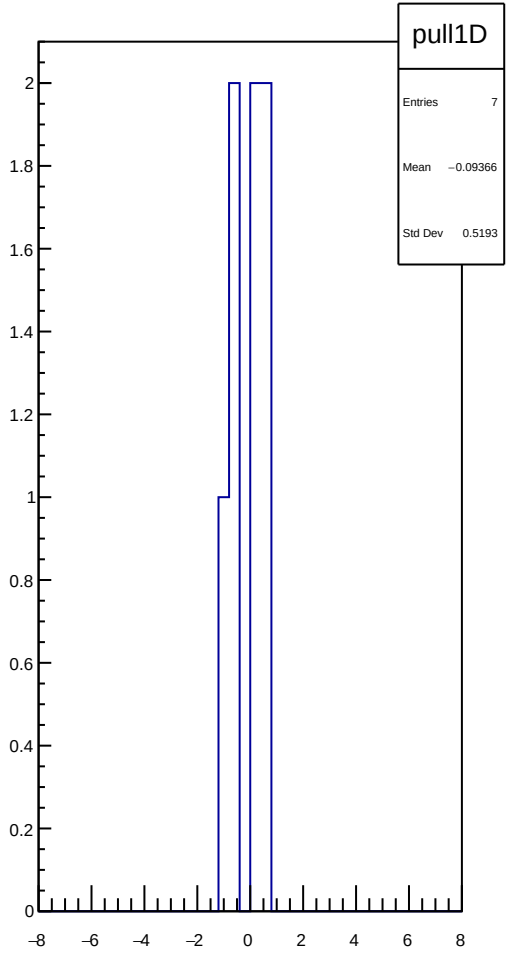

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 10.13 / 6
p0 −171.4 ± 0.8818
−164
−166
−168
−170
−172
−174
−176
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −17.29
Std Dev 21.07
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean −0.1013
Std Dev 1.199
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

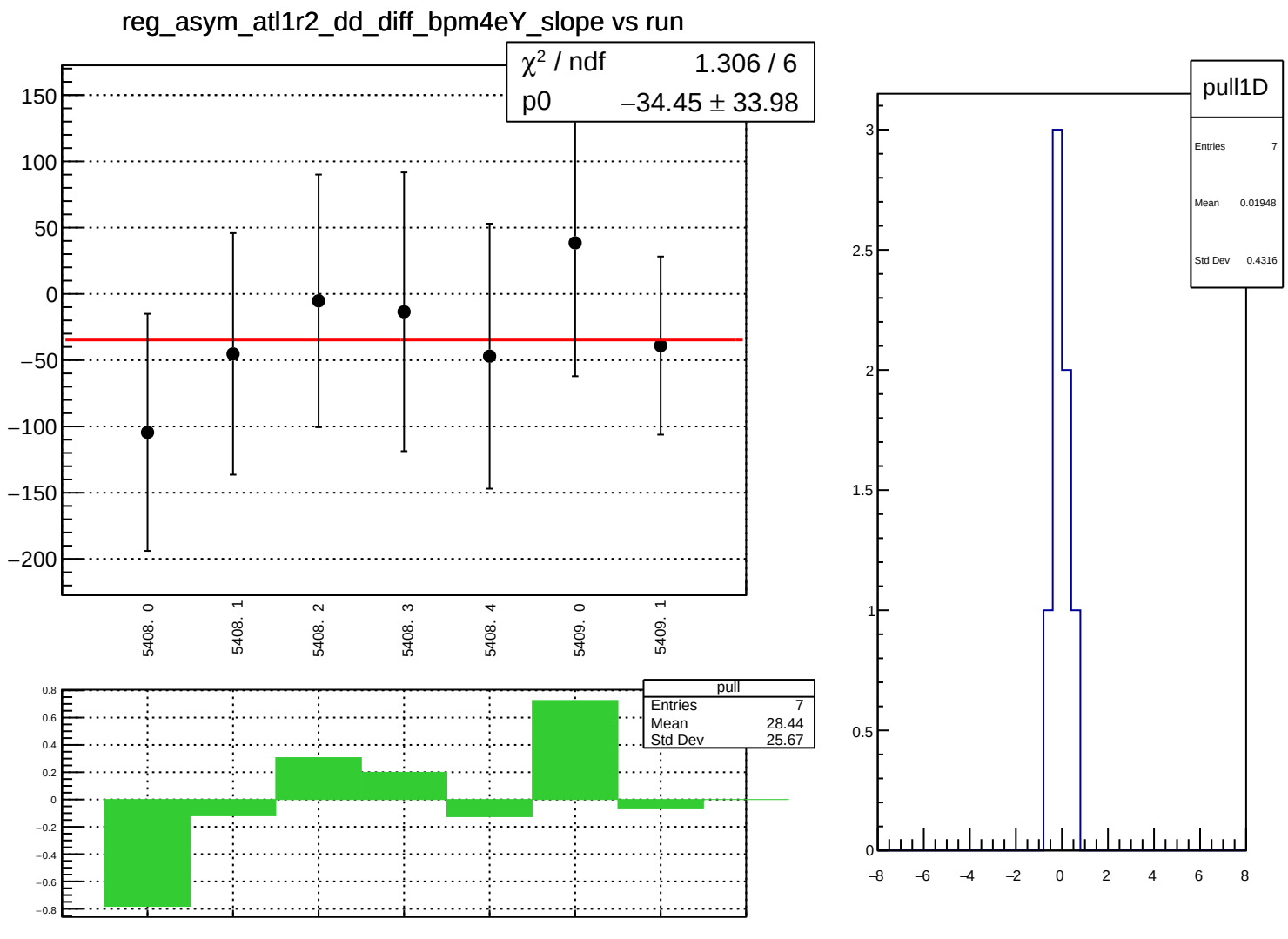

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.022 / 6
p0 11.79 ± 32.39
200
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.593
Std Dev 4.117
0.8
0.6
0.4
0.2
0
−0.2
−0.4

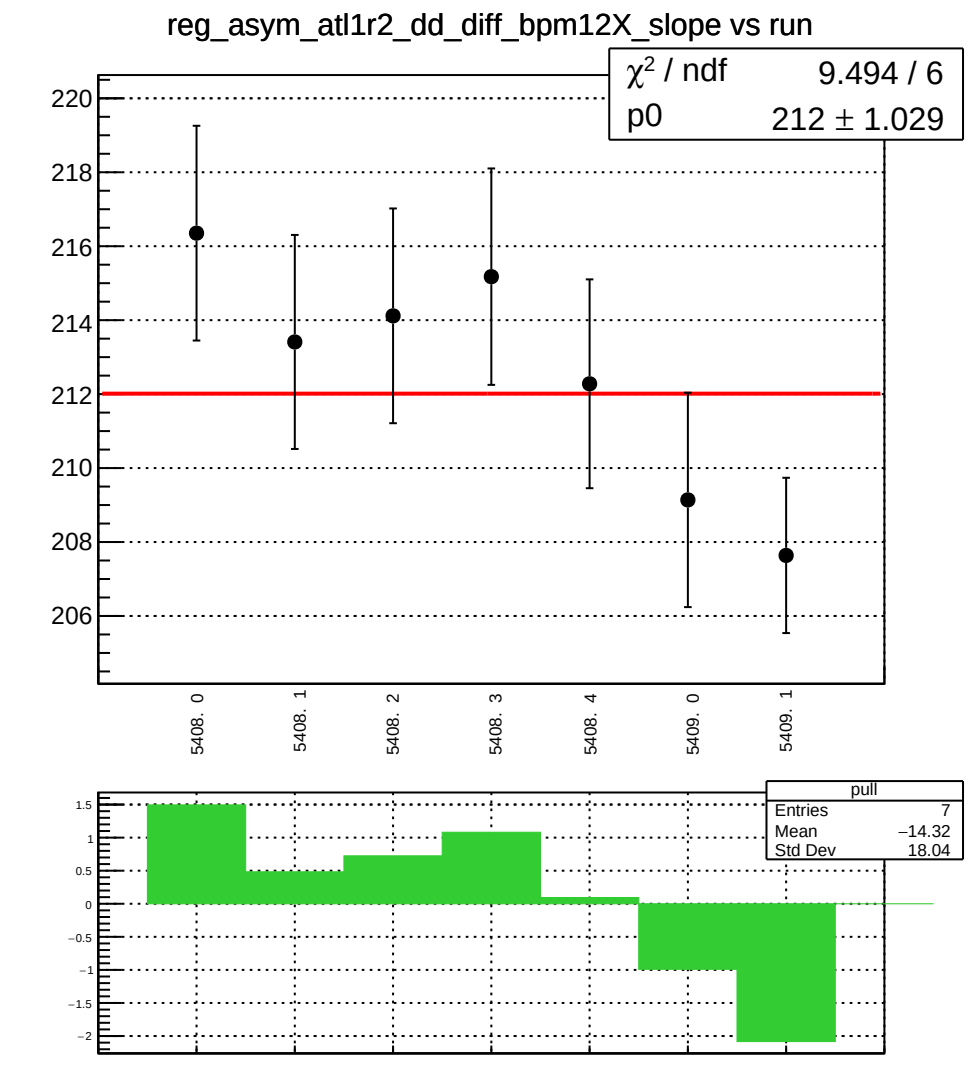

pull1D
Entries 7
Mean 0.09781
Std Dev 0.5285
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

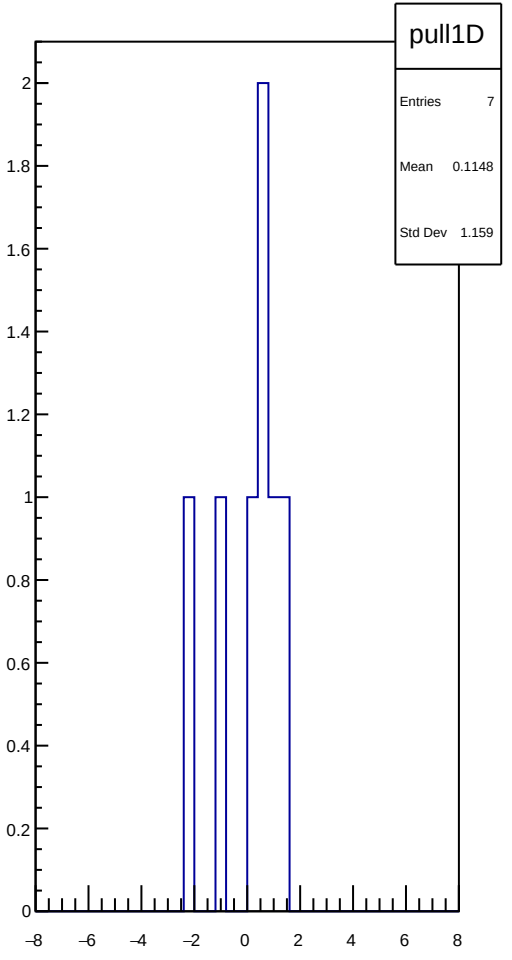

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.028 / 6
p0 −63.46 ± 29.6
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 20.62
Std Dev 18.15
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 7
Mean −0.01973
Std Dev 0.3827
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

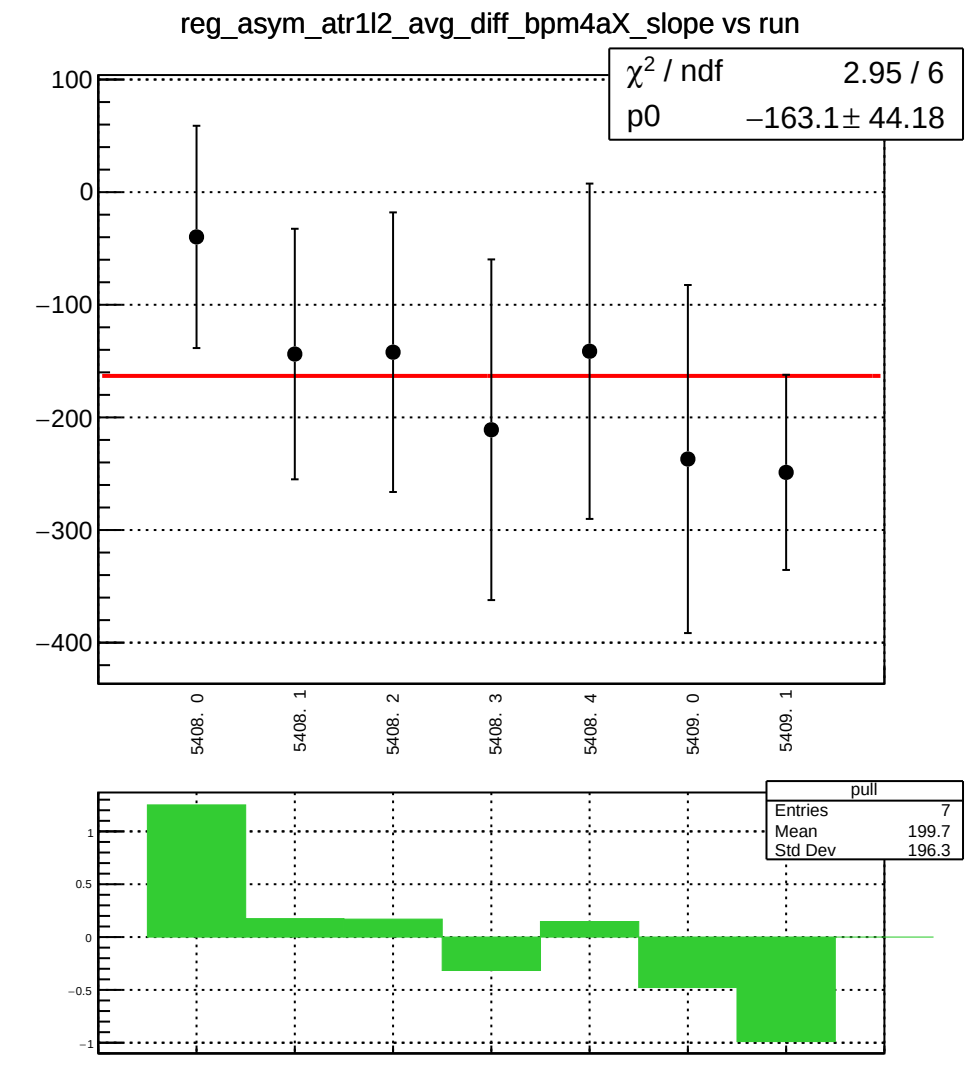

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.949 / 6
p0 −98.64 ± 31.79
50
0
−50
−100
−150
−200
−250
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.662
Std Dev 4.15
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

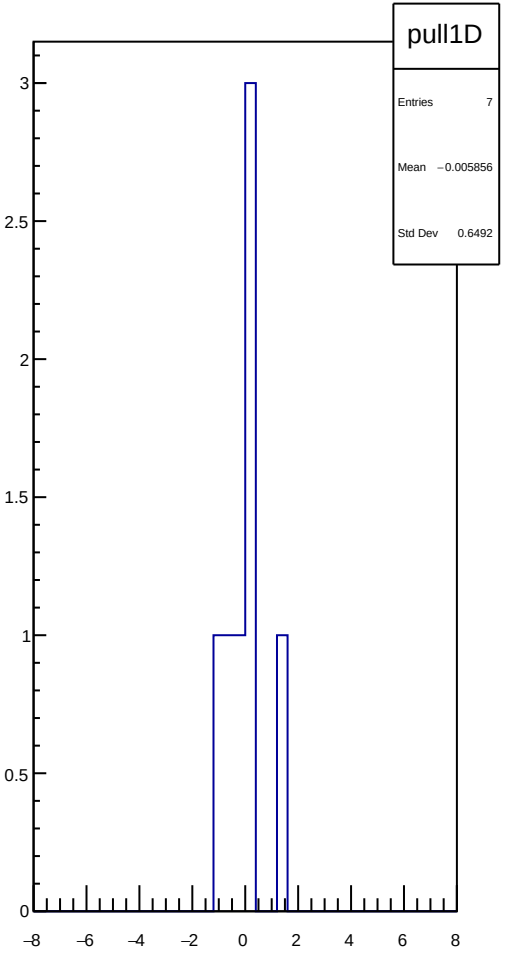

pull1D
Entries 7
Mean −0.09366
Std Dev 0.5193
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

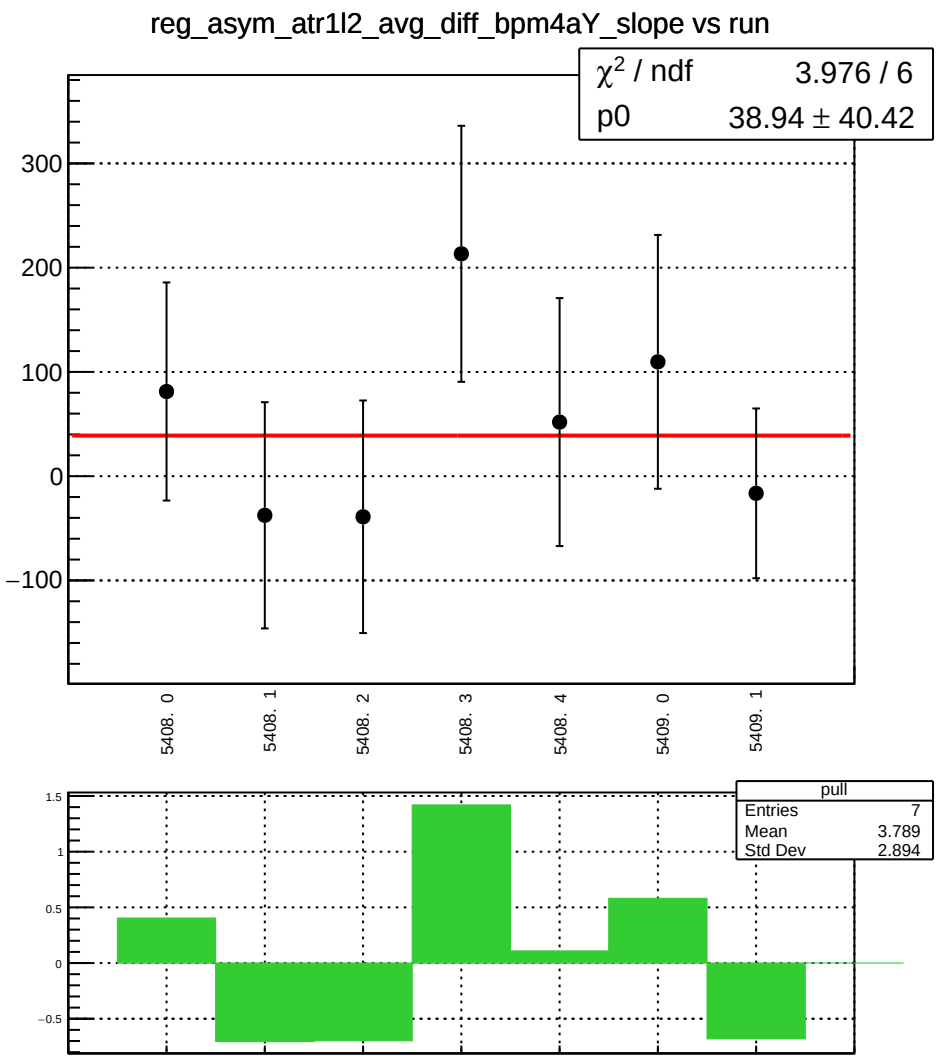

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.306 / 6
p0 −34.45 ± 33.98
150
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 28.44
Std Dev 25.67
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean 0.01948
Std Dev 0.4316
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

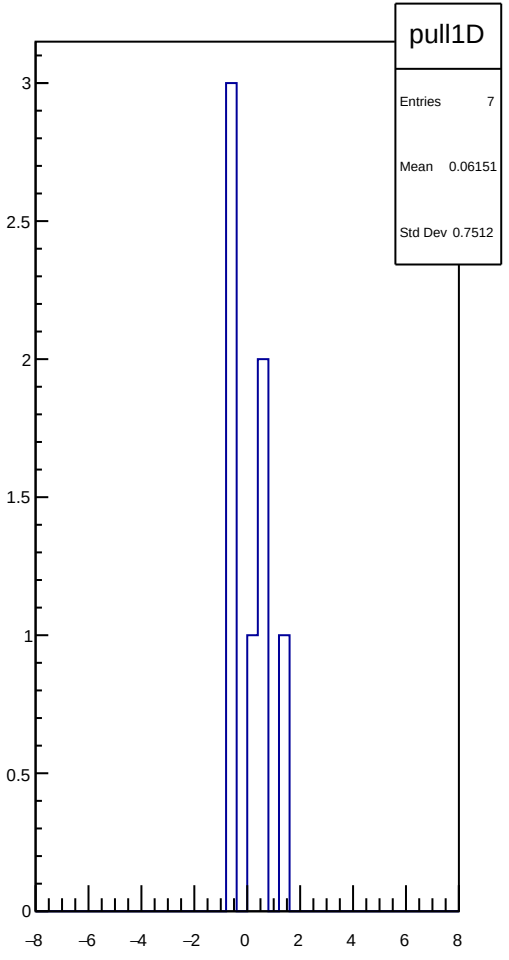

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 9.494 / 6
p0 212 ± 1.029
220
218
216
214
212
210
208
206
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −14.32
Std Dev 18.04
1.5
1
0.5
0
−0.5
−1
−1.5
−2

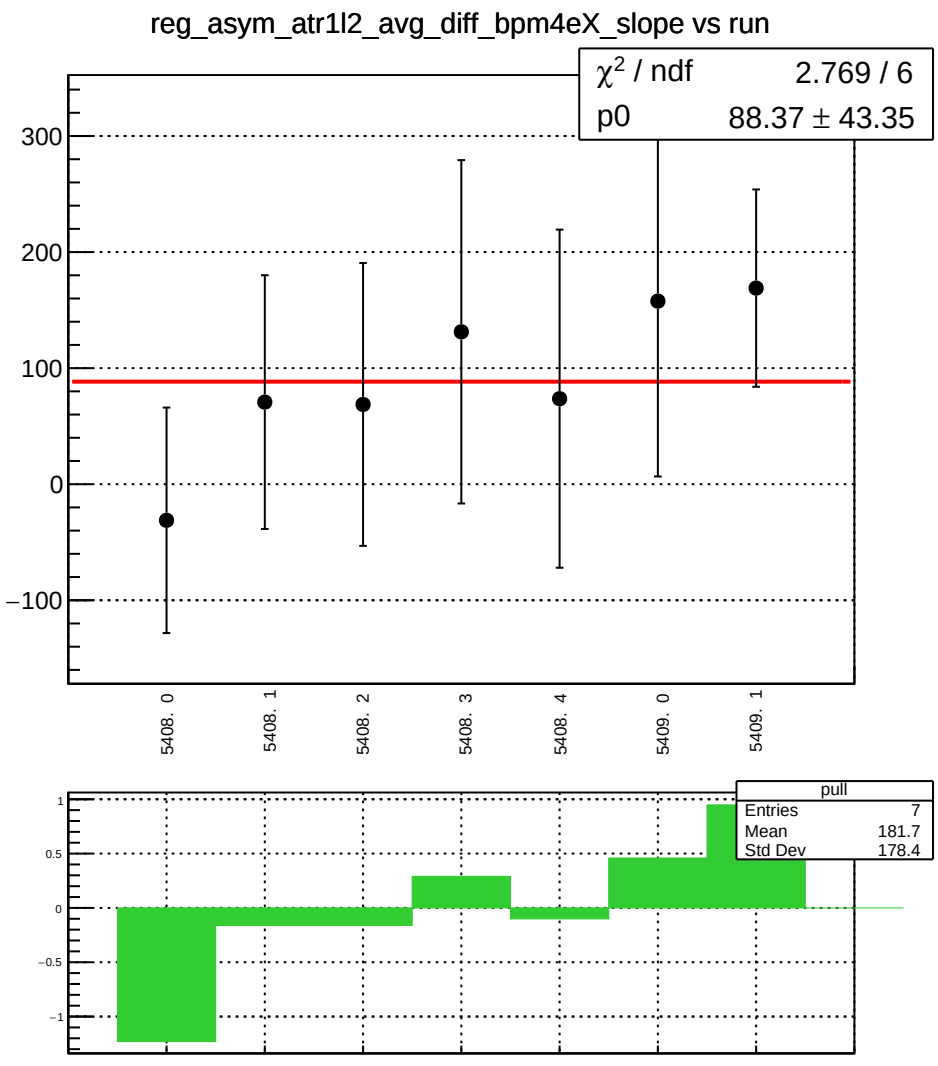

pull1D
Entries 7
Mean 0.1148
Std Dev 1.159
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

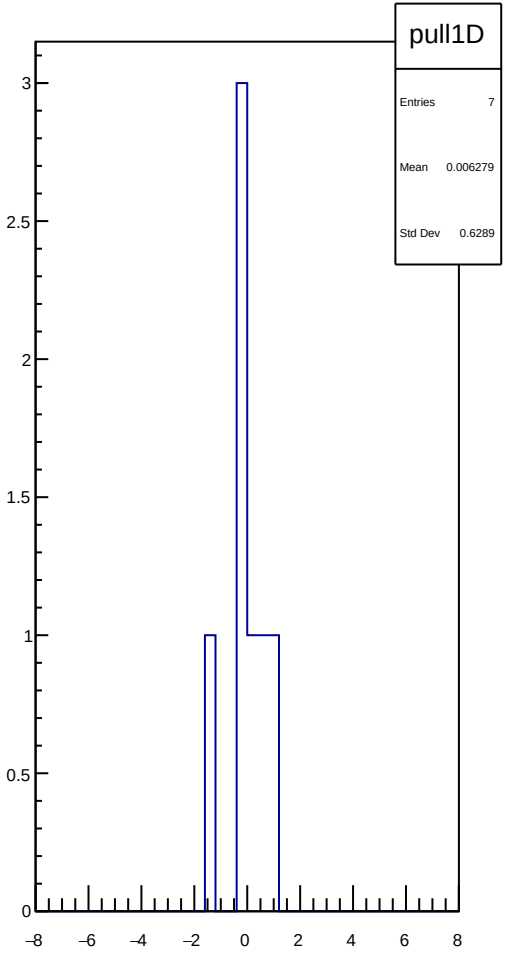

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.95 / 6
p0 −163.1± 44.18
100
0
−100
−200
−300
−400
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 199.7
Std Dev 196.3
1
0.5
0
−0.5
−1

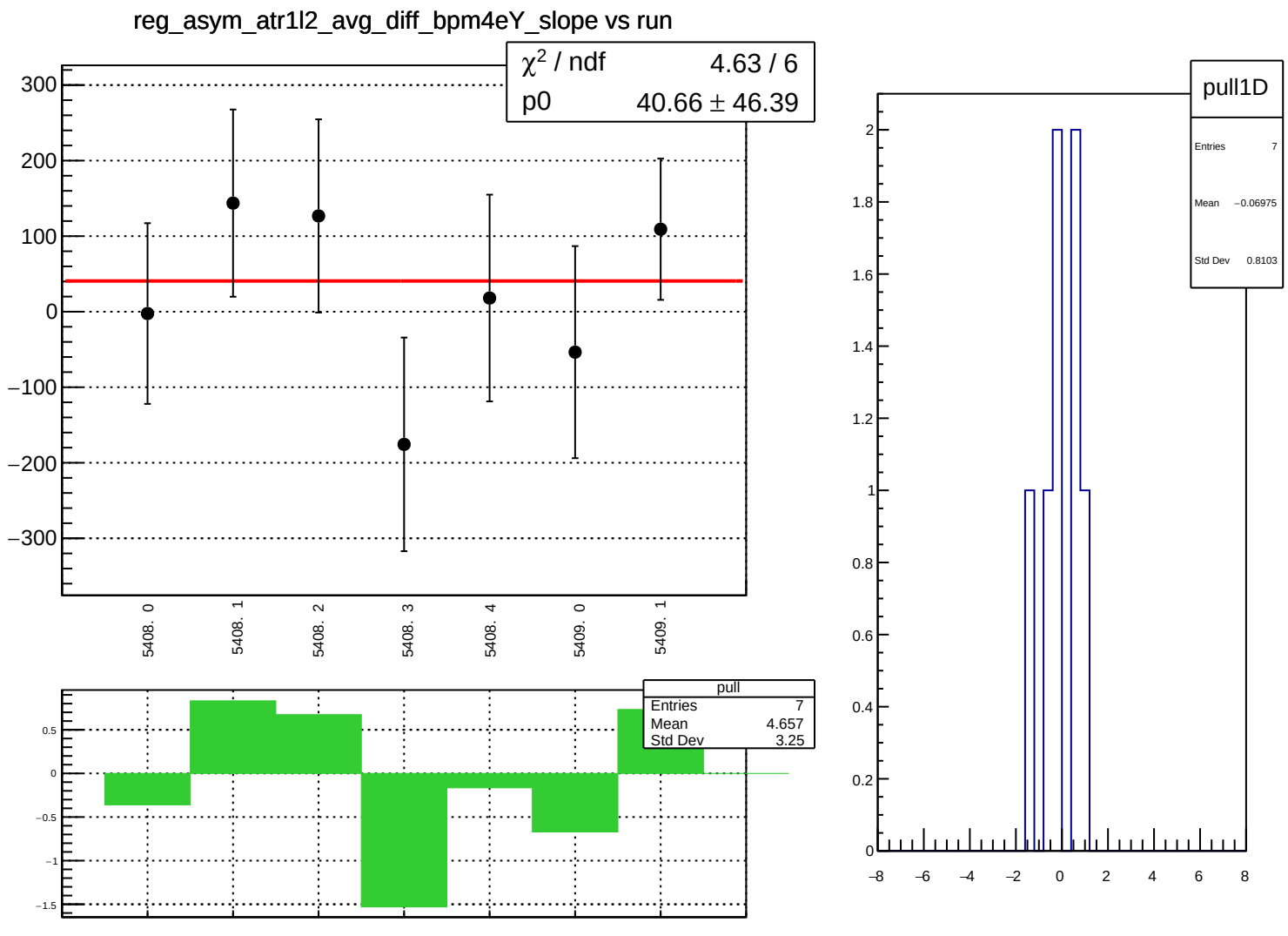

pull1D
Entries 7
Mean −0.005856
Std Dev 0.6492
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

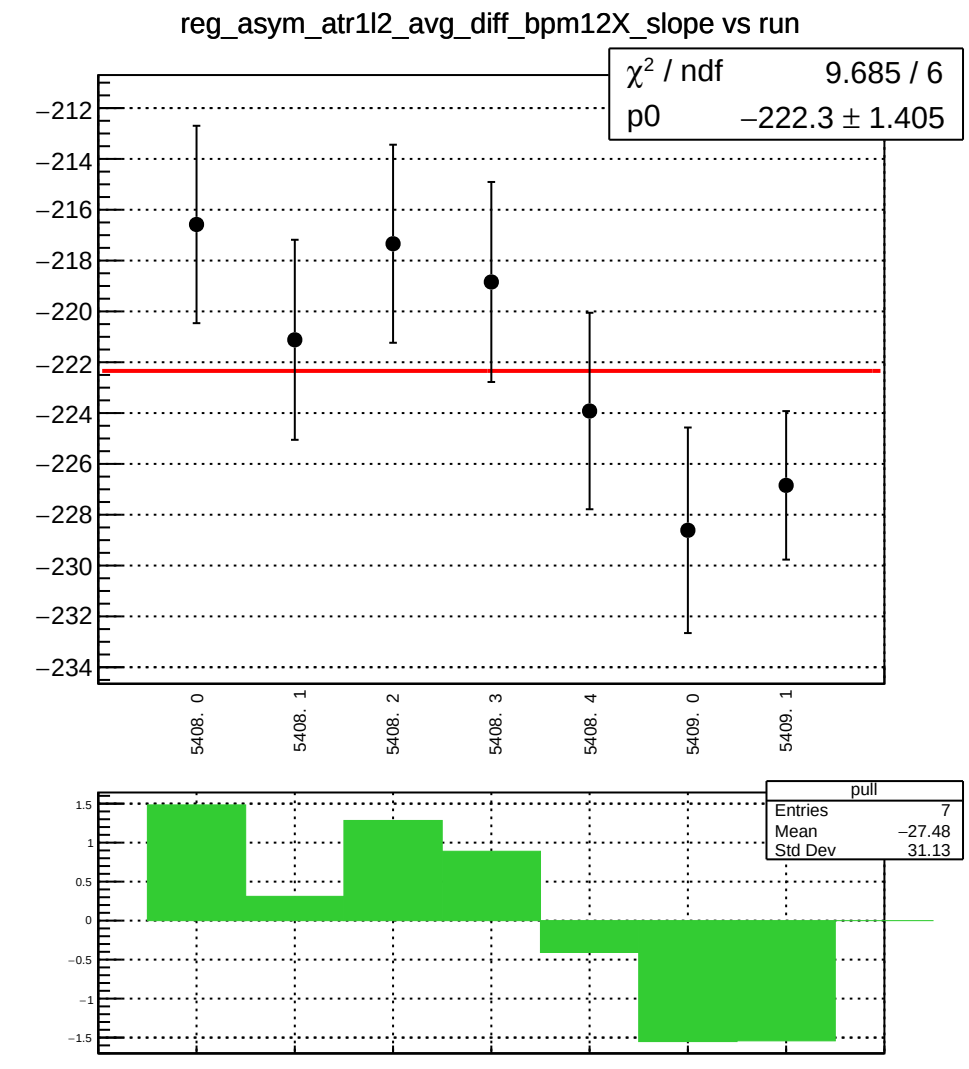

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.976 / 6
p0 38.94 ± 40.42
300
200
100
0
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 3.789
Std Dev 2.894
1.5
1
0.5
0
−0.5

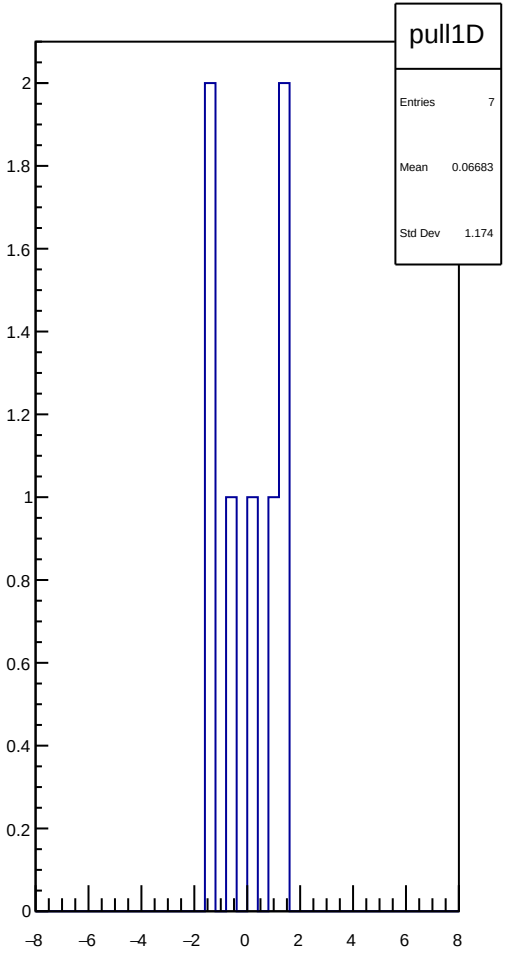

pull1D
Entries 7
Mean 0.06151
Std Dev 0.7512
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

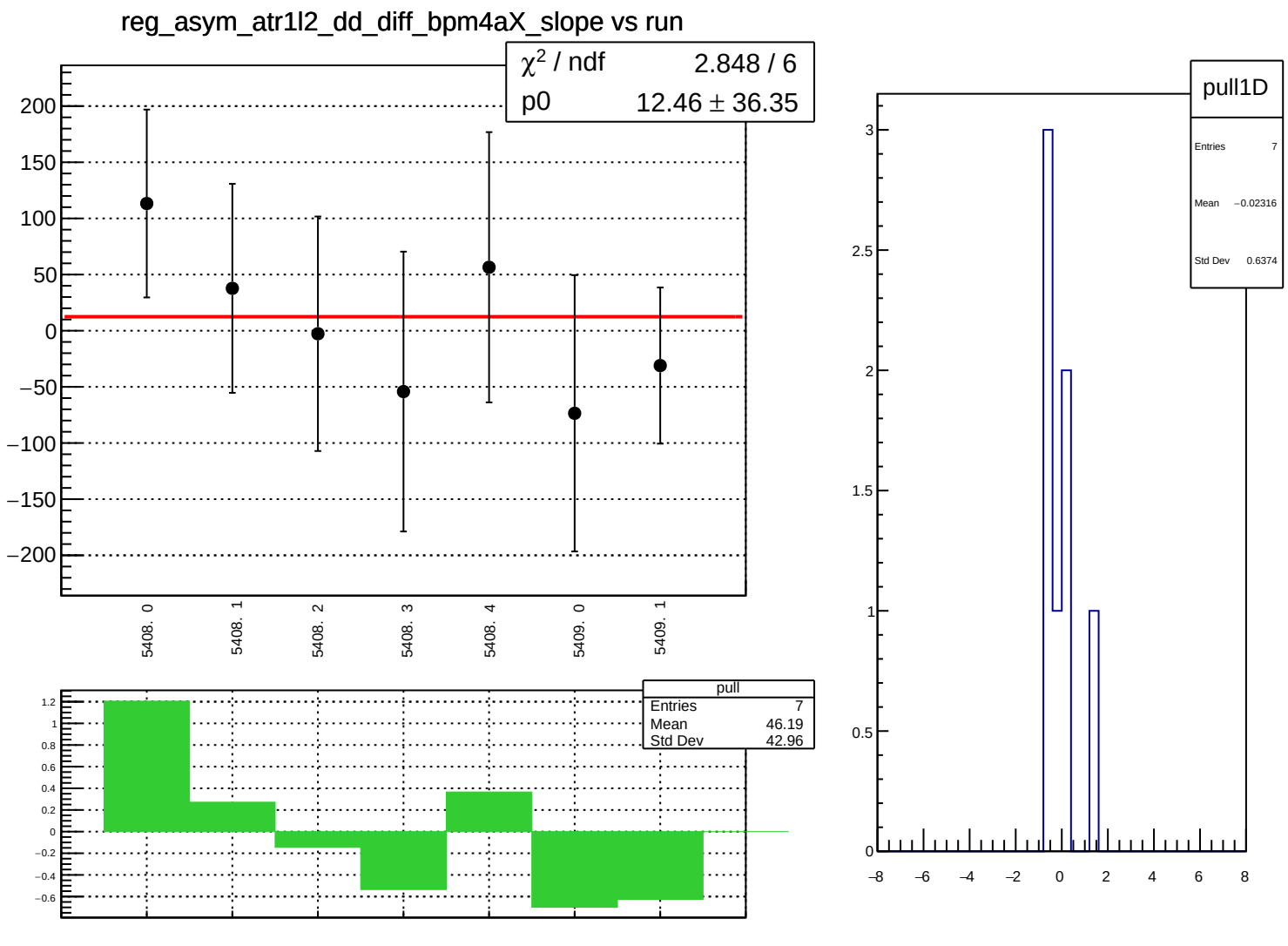

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.769 / 6
p0 88.37 ± 43.35
300
200
100
0
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 181.7
Std Dev 178.4
1
0.5
0
−0.5
−1

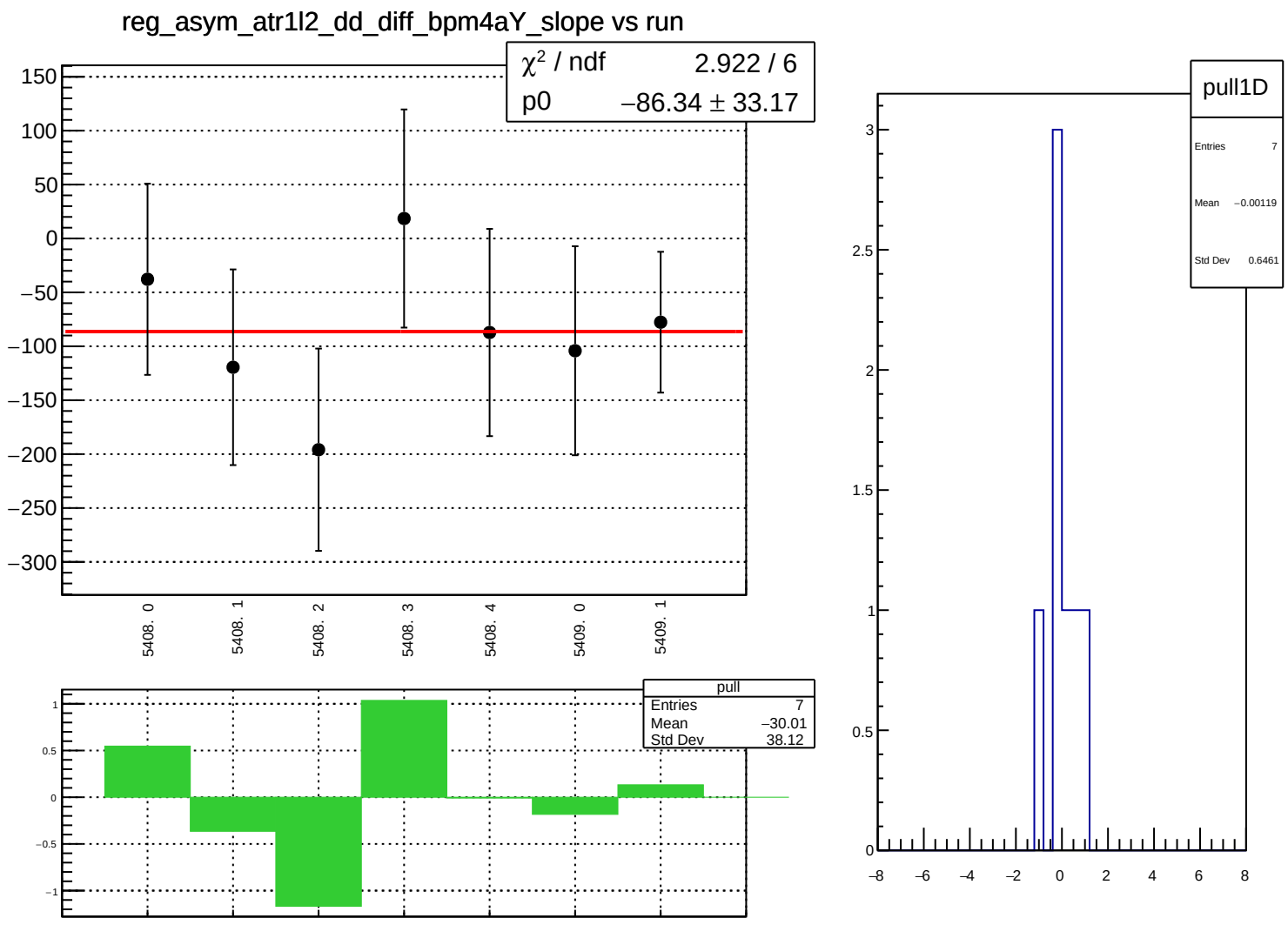

pull1D
Entries 7
Mean 0.006279
Std Dev 0.6289
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

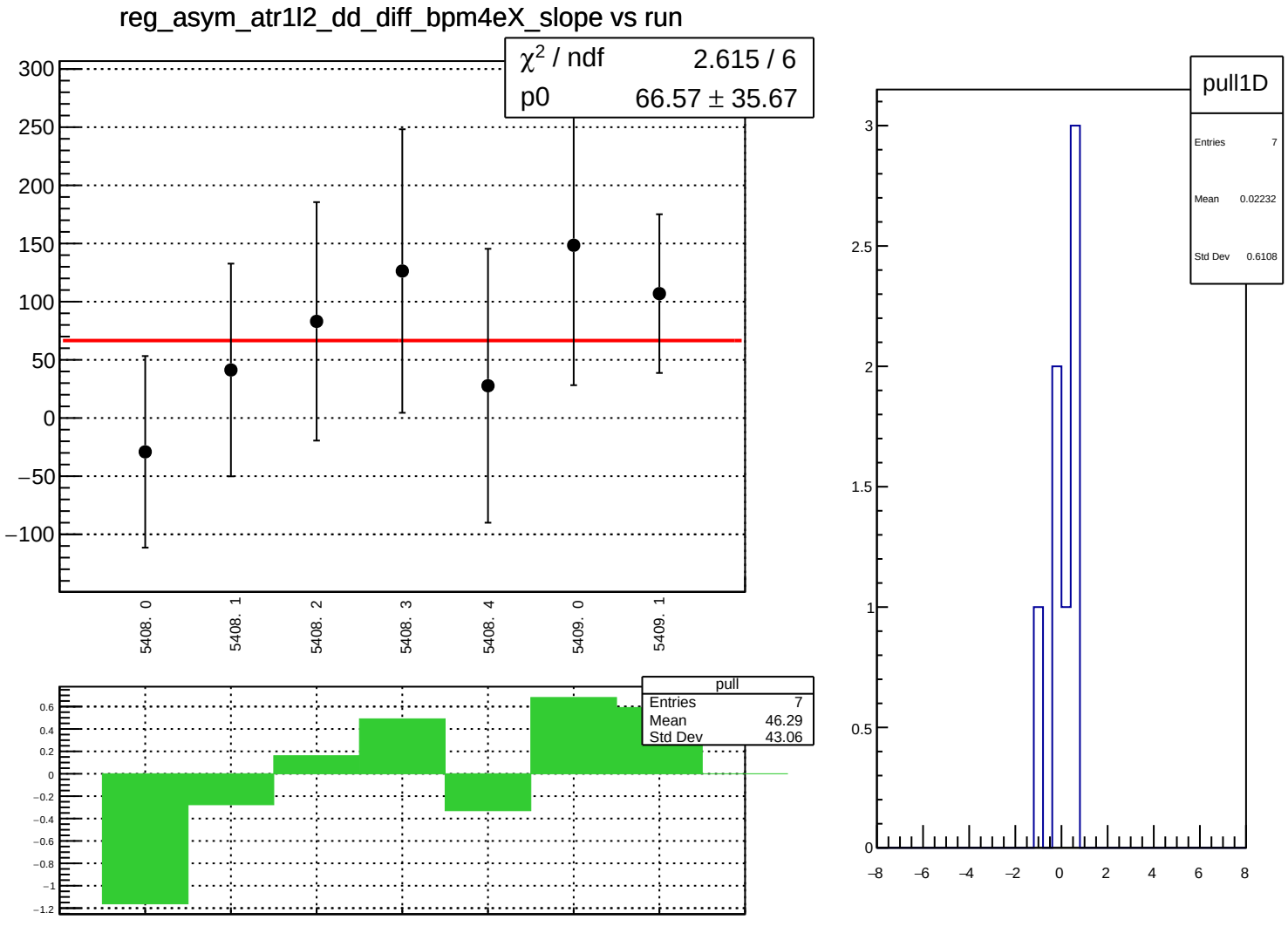

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.63 / 6
p0 40.66 ± 46.39
300
200
100
0
−100
−200
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 4.657
Std Dev 3.25
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.06975
Std Dev 0.8103
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

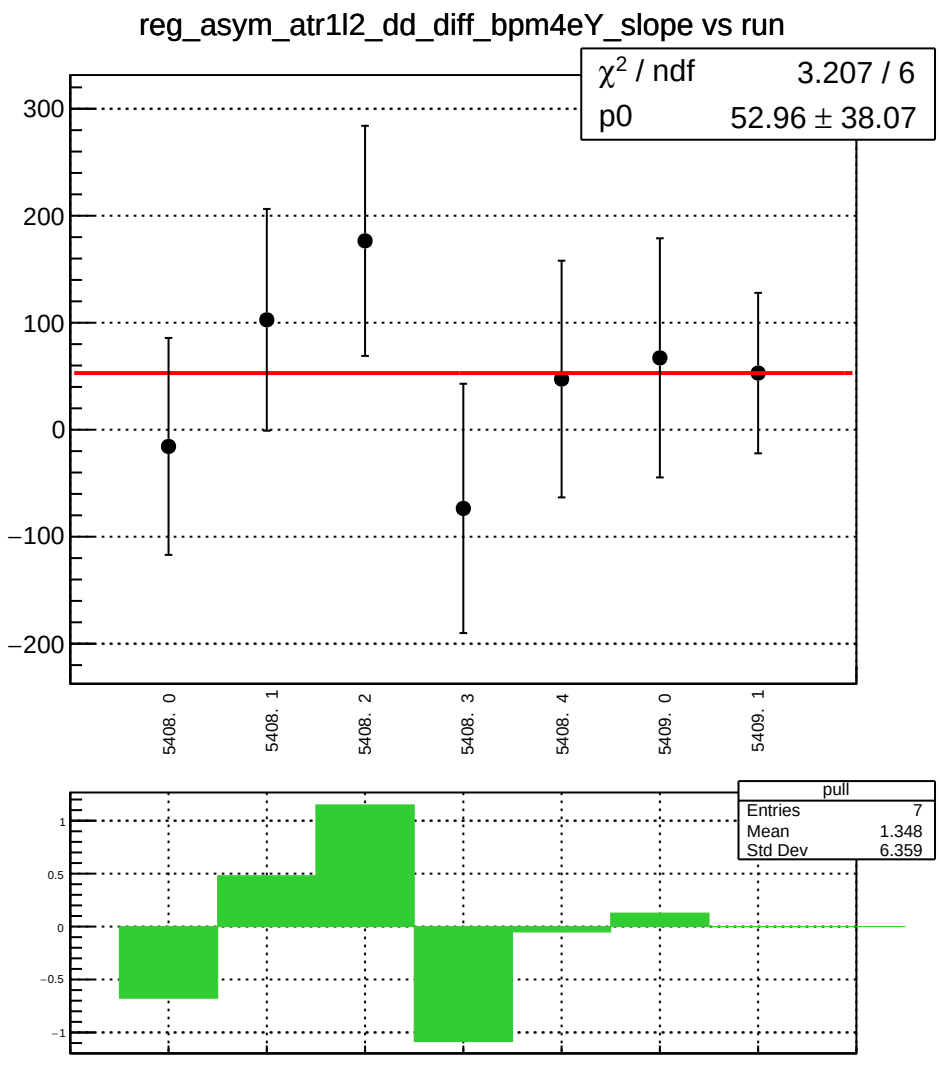

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 9.685 / 6
p0 −222.3 ± 1.405
−212
−214
−216
−218
−220
−222
−224
−226
−228
−230
−232
−234
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −27.48
Std Dev 31.13
1.5
1
0.5
0
−0.5
−1
−1.5

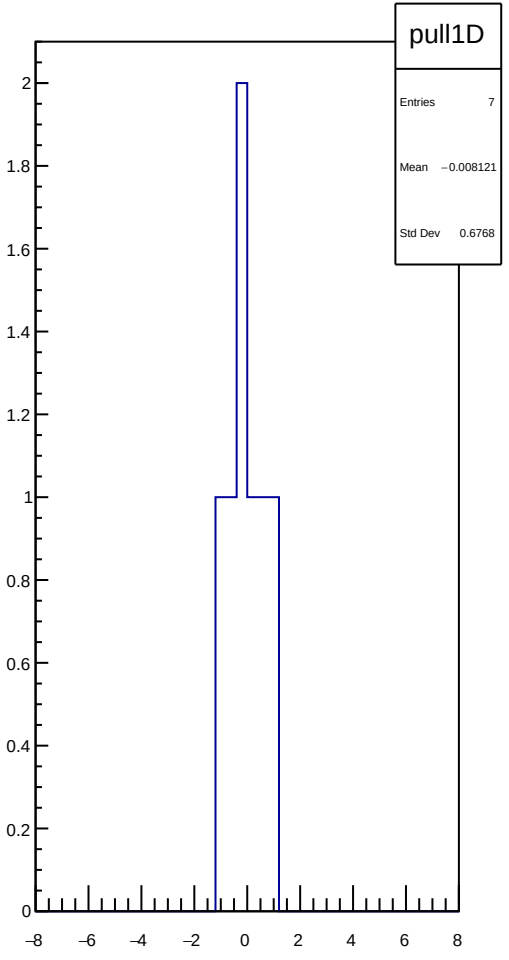

pull1D
Entries 7
Mean 0.06683
Std Dev 1.174
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

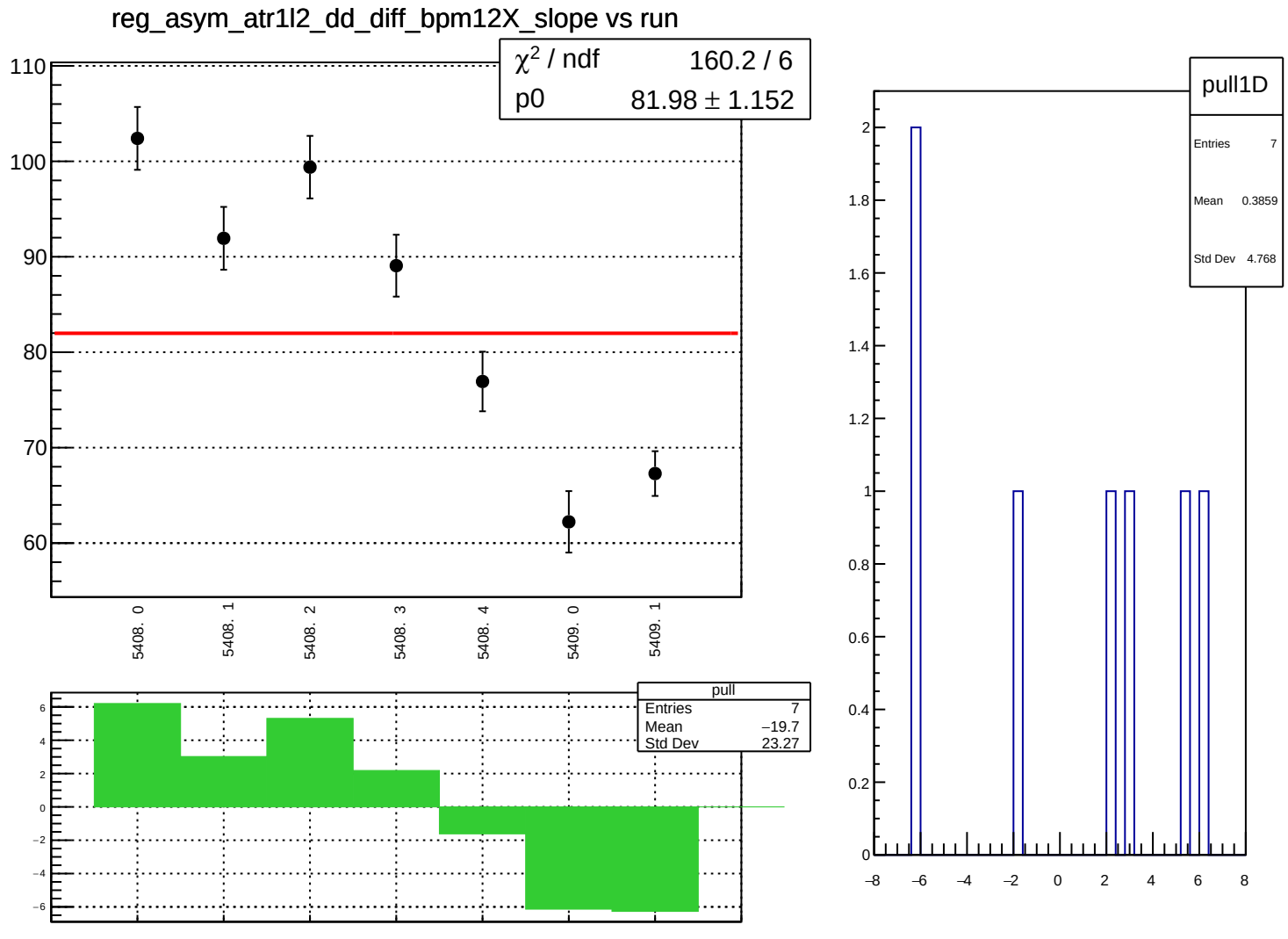

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.848 / 6
p0 12.46 ± 36.35
200
150
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 46.19
Std Dev 42.96
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 7
Mean −0.02316
Std Dev 0.6374
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

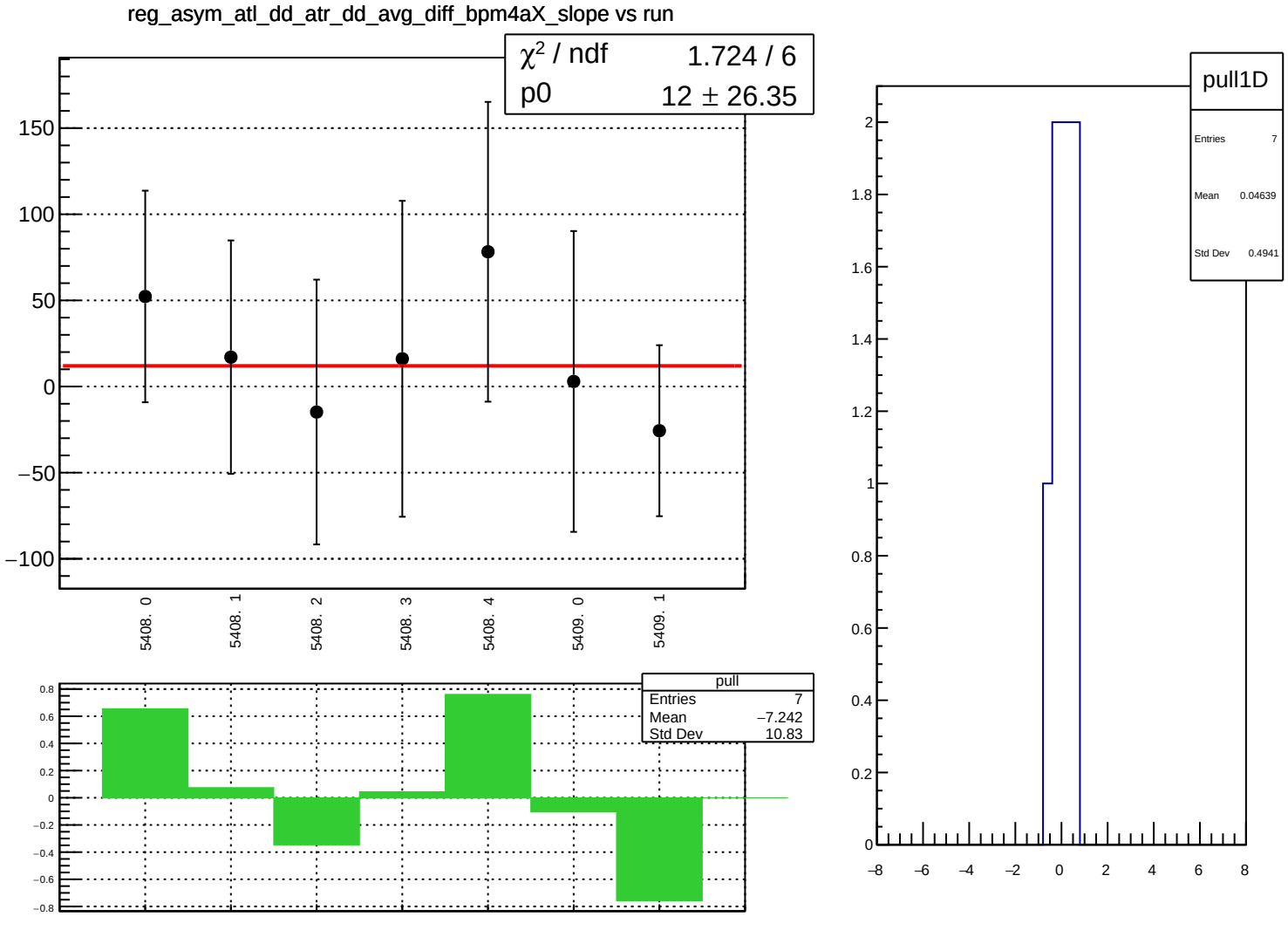

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.922 / 6
p0 −86.34 ± 33.17
150
100
50
0
−50
−100
−150
−200
−250
−300
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −30.01
Std Dev 38.12
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean −0.00119
Std Dev 0.6461
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

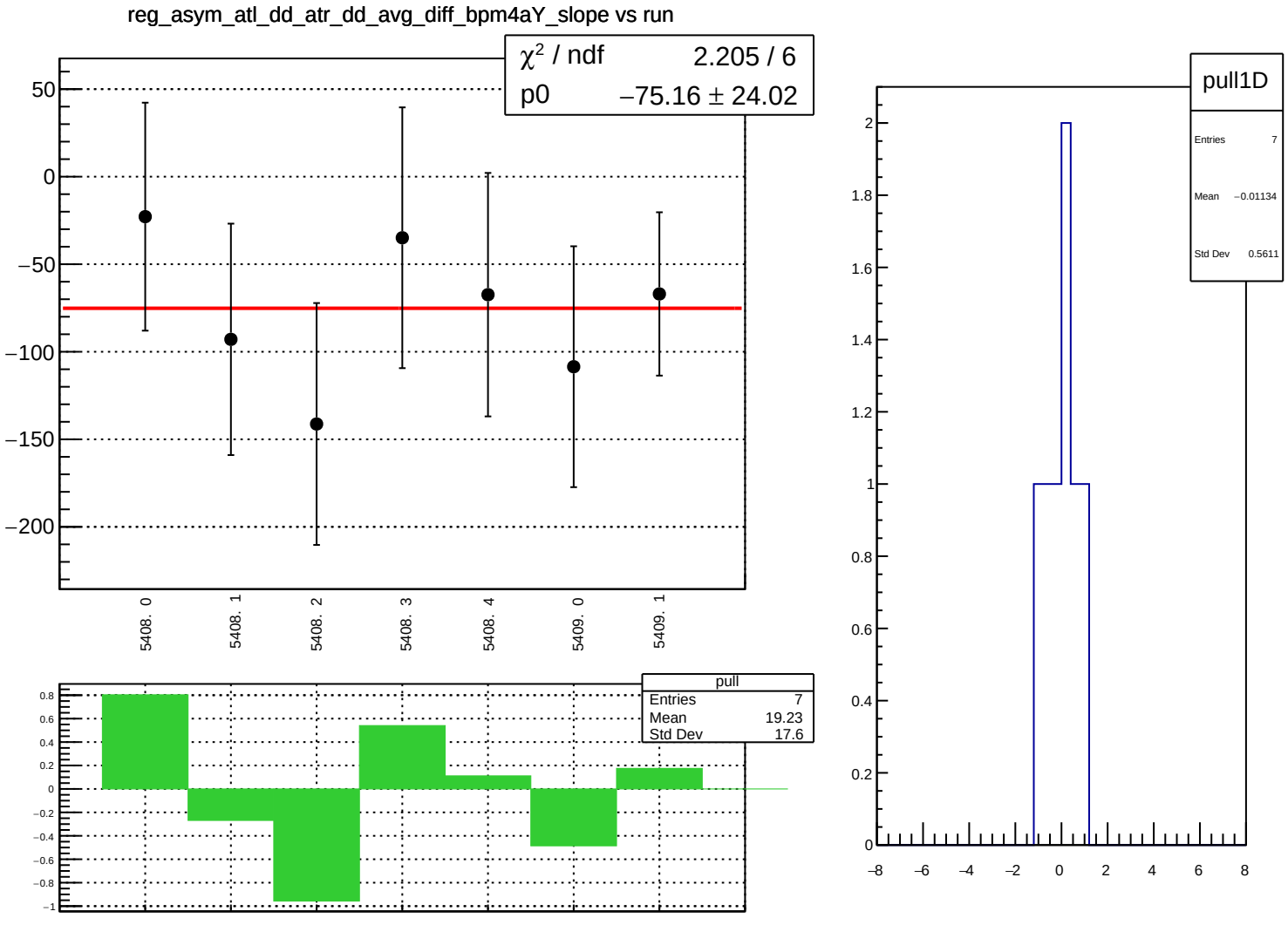

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.615 / 6
p0 66.57 ± 35.67
300
250
200
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 46.29
Std Dev 43.06
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 7
Mean 0.02232
Std Dev 0.6108
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

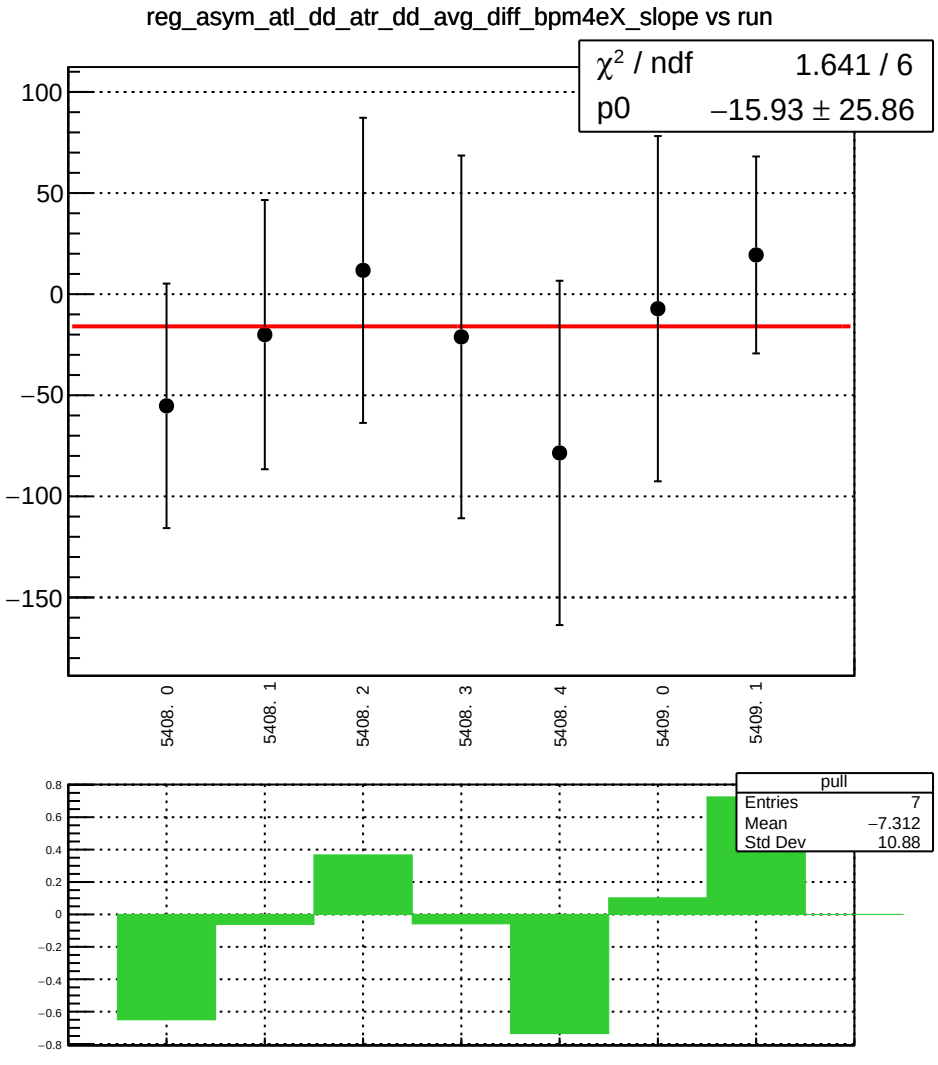

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.207 / 6
p0 52.96 ± 38.07
300
200
100
0
−100
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 1.348
Std Dev 6.359
1
0.5
0
−0.5
−1

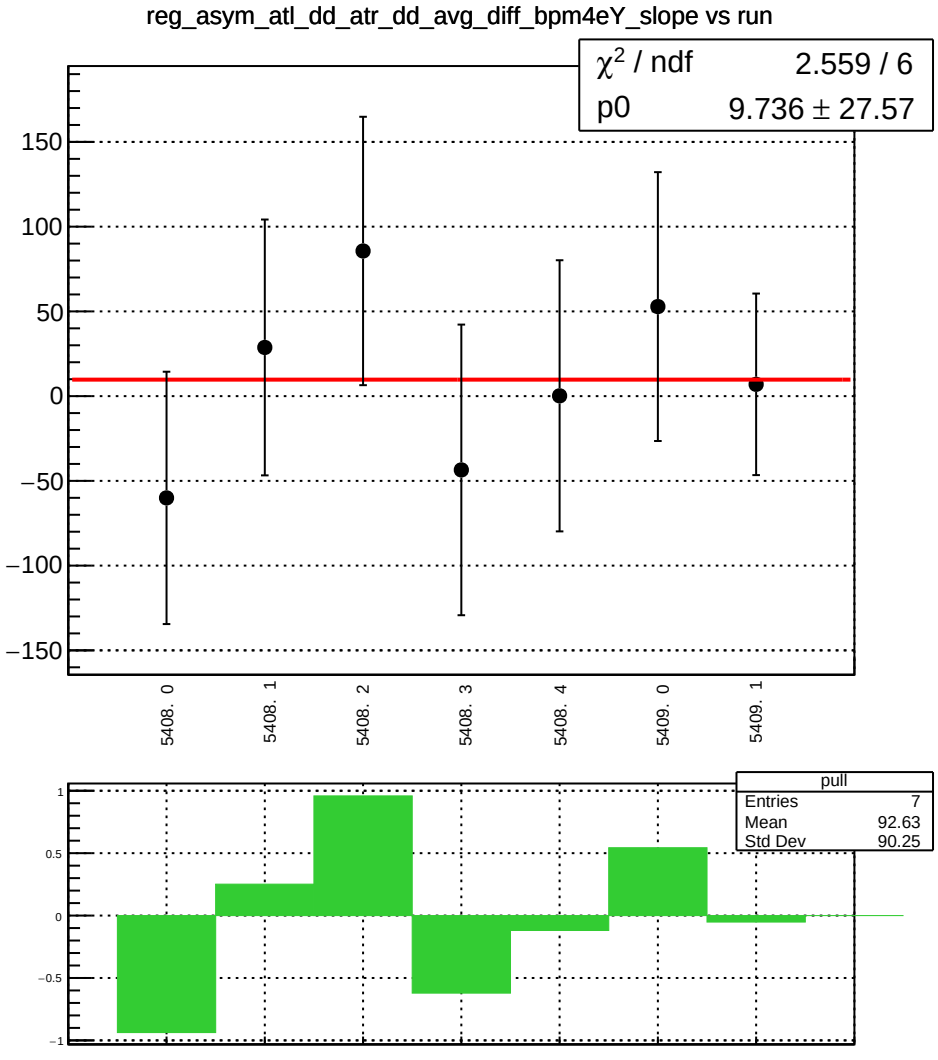

pull1D
Entries 7
Mean −0.008121
Std Dev 0.6768
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

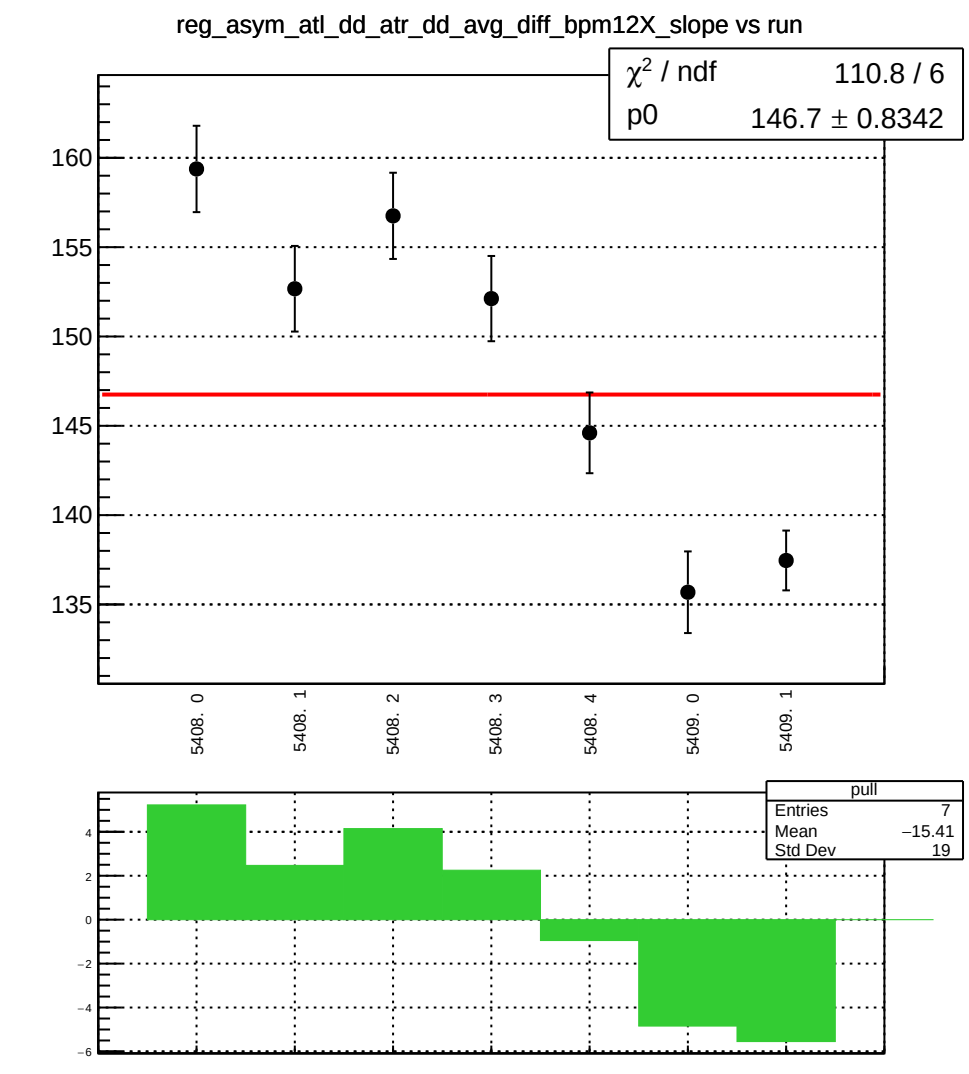

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 160.2 / 6
p0 81.98 ± 1.152
110
100
90
80
70
60
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −19.7
Std Dev 23.27
6
4
2
0
−2
−4
−6
pull1D
Entries 7
Mean 0.3859
Std Dev 4.768
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

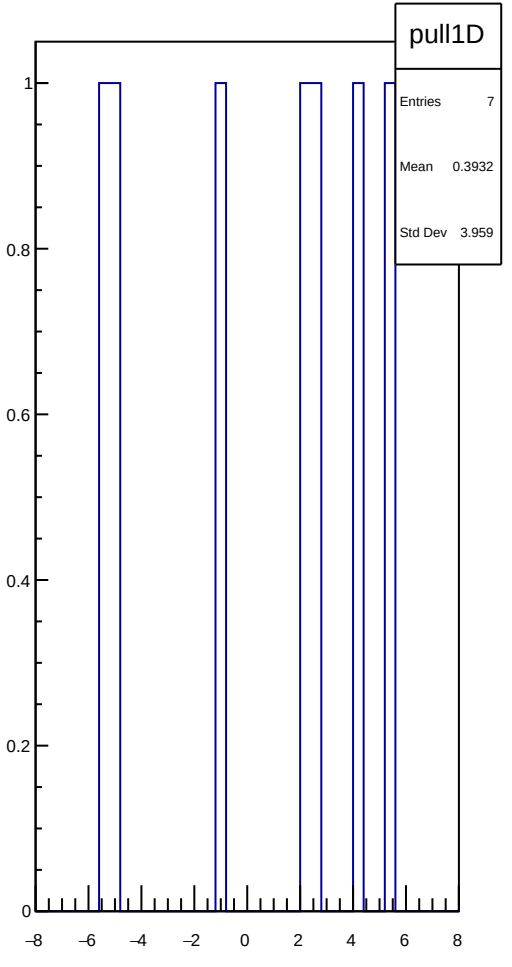

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.724 / 6
p0 12 ± 26.35
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.242
Std Dev 10.83
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean 0.04639
Std Dev 0.4941
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

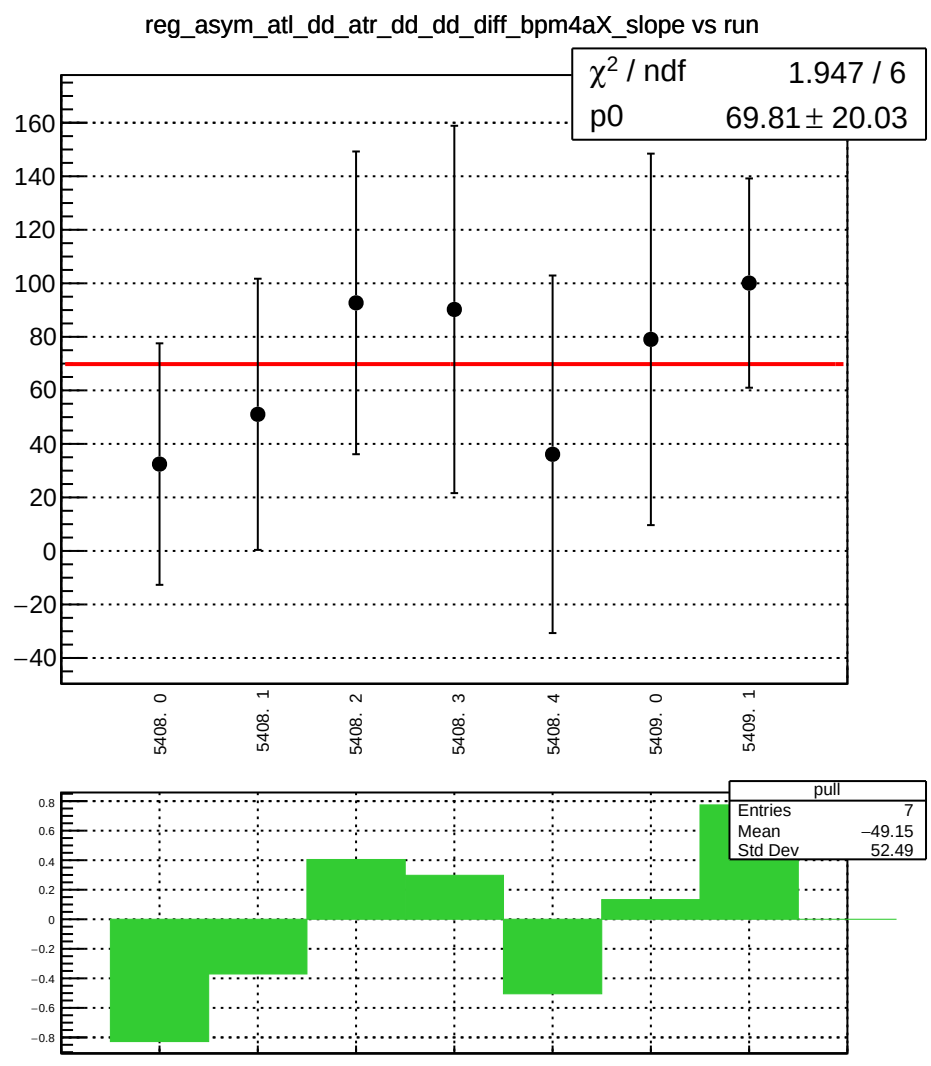

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.205 / 6
p0 −75.16 ± 24.02
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 19.23
Std Dev 17.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 7
Mean −0.01134
Std Dev 0.5611
2
1.8
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

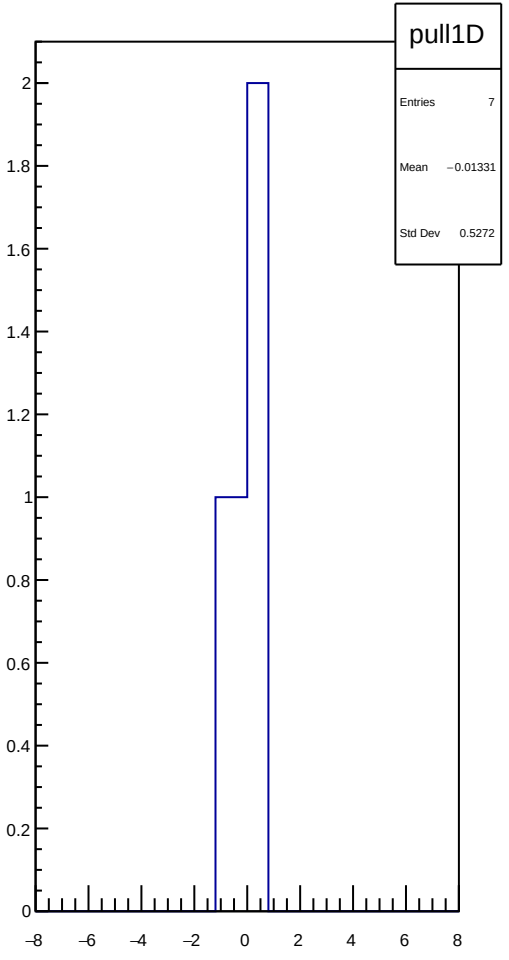

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.641 / 6
p0 −15.93 ± 25.86
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −7.312
Std Dev 10.88
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean −0.04428
Std Dev 0.4822
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

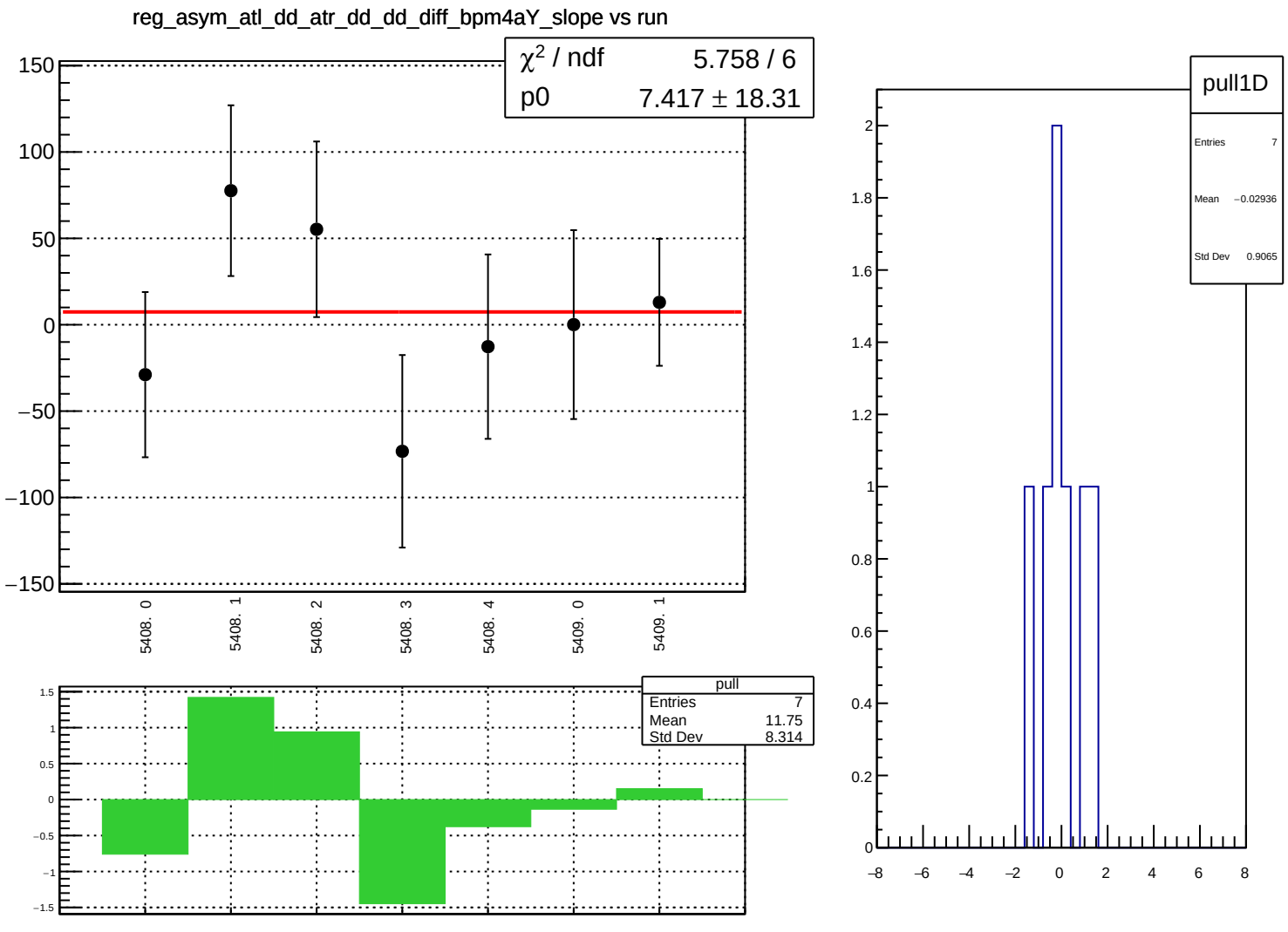

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.559 / 6
p0 9.736 ± 27.57
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 92.63
Std Dev 90.25
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.003466
Std Dev 0.6046
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

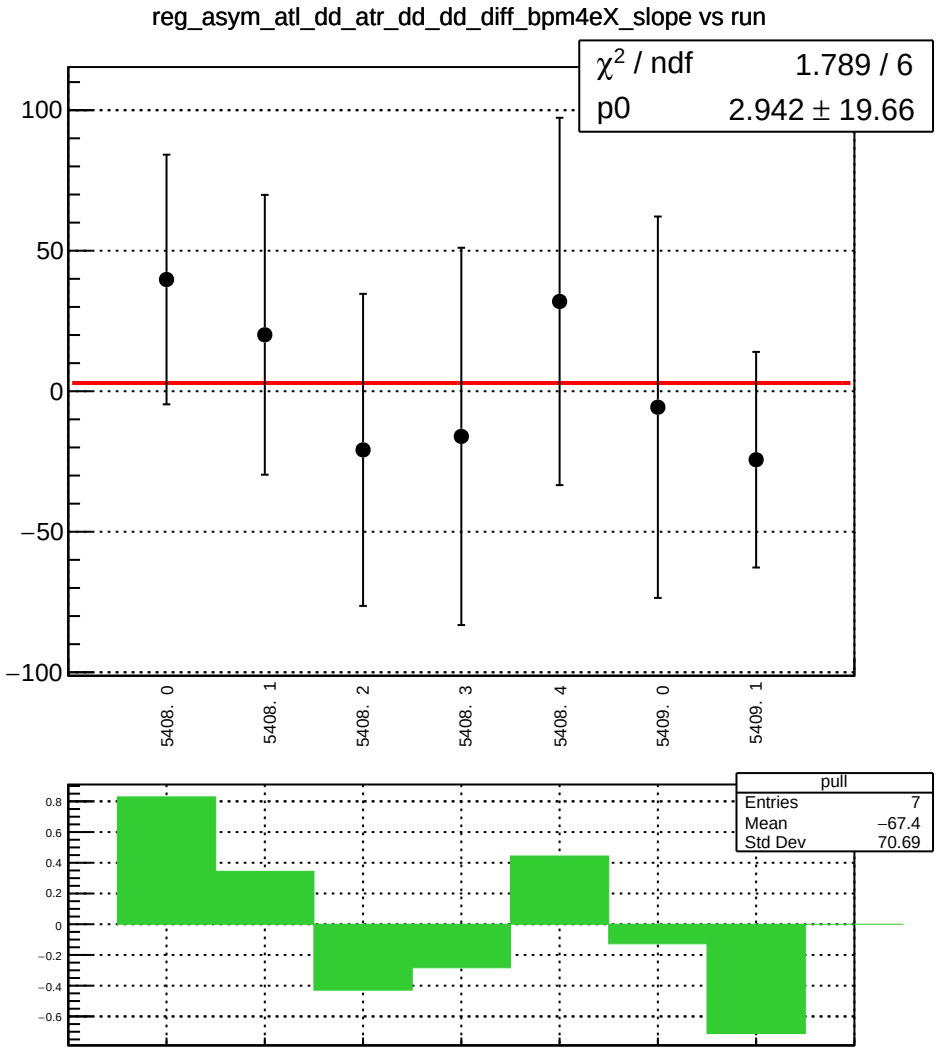

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 110.8 / 6
p0 146.7 ± 0.8342
160
155
150
145
140
135
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −15.41
Std Dev 19
4
2
0
−2
−4
−6

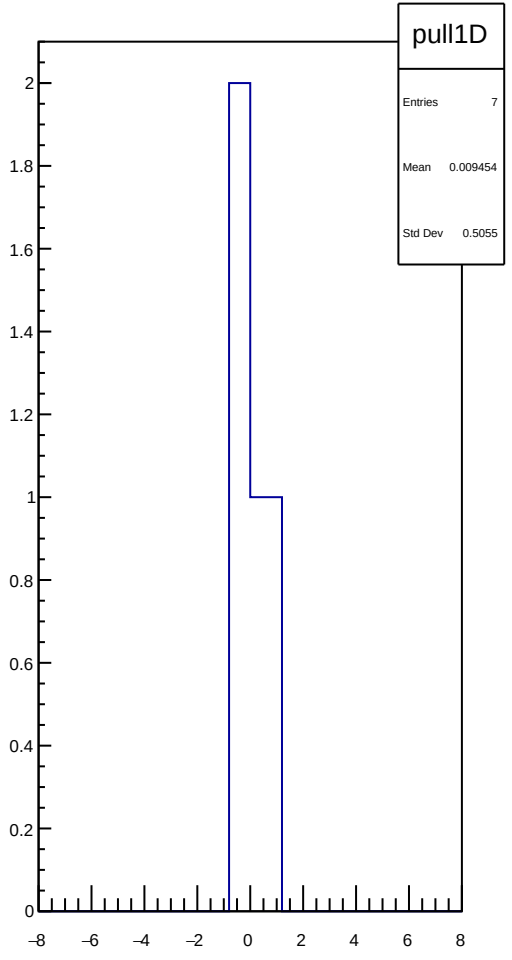

pull1D
Entries 7
Mean 0.3932
Std Dev 3.959
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

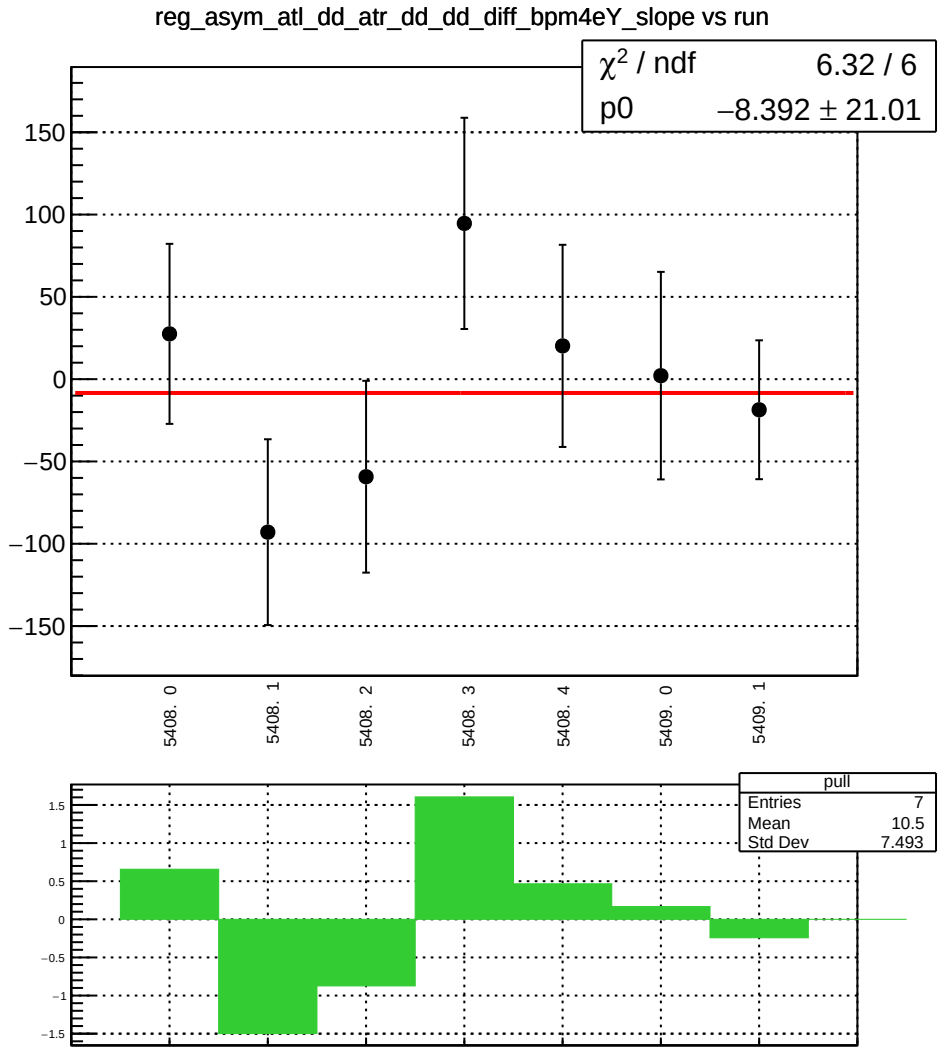

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.947 / 6
p0 69.81 ± 20.03
160
140
120
100
80
60
40
20
0
−20
−40
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −49.15
Std Dev 52.49
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

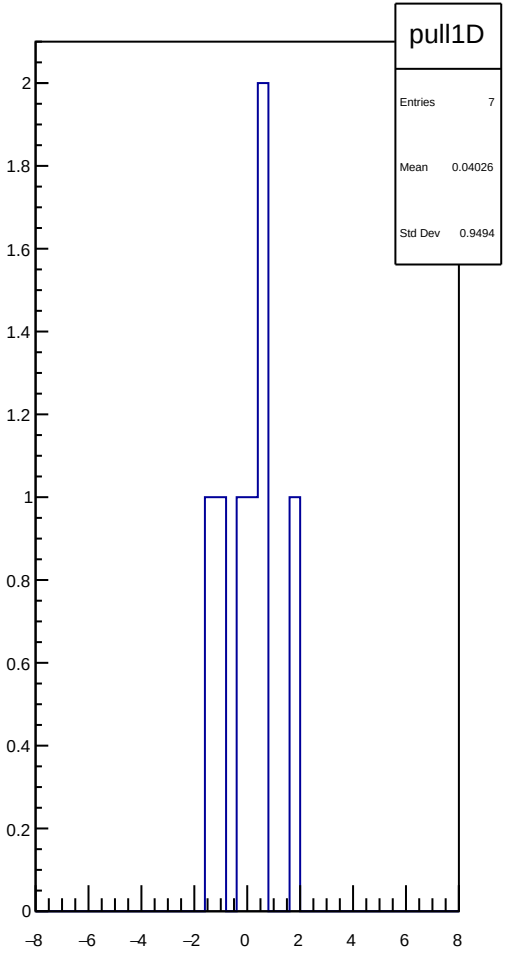

pull1D
Entries 7
Mean −0.01331
Std Dev 0.5272
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

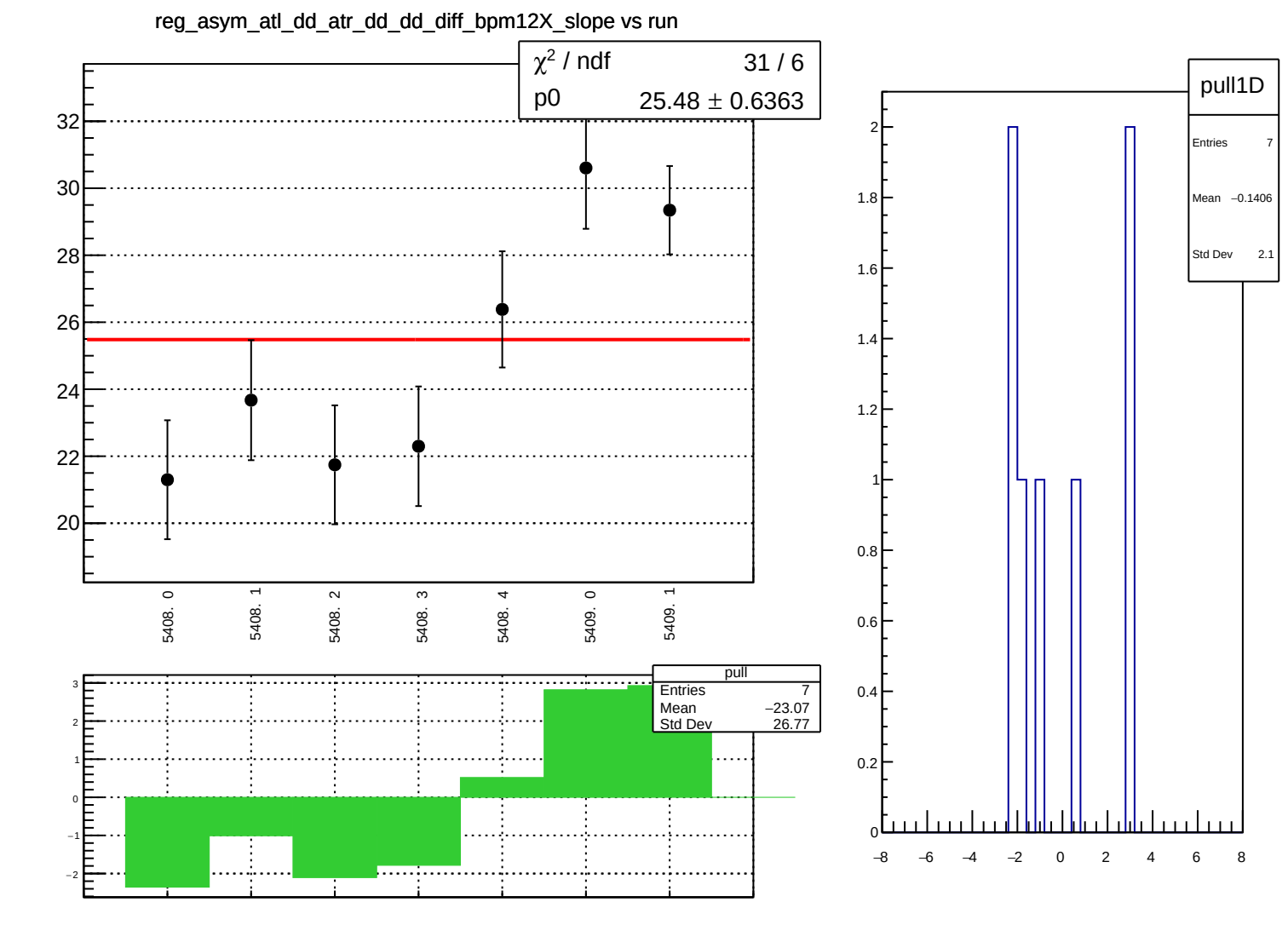

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.758 / 6
p0 7.417 ± 18.31
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 11.75
Std Dev 8.314
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 7
Mean −0.02936
Std Dev 0.9065
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

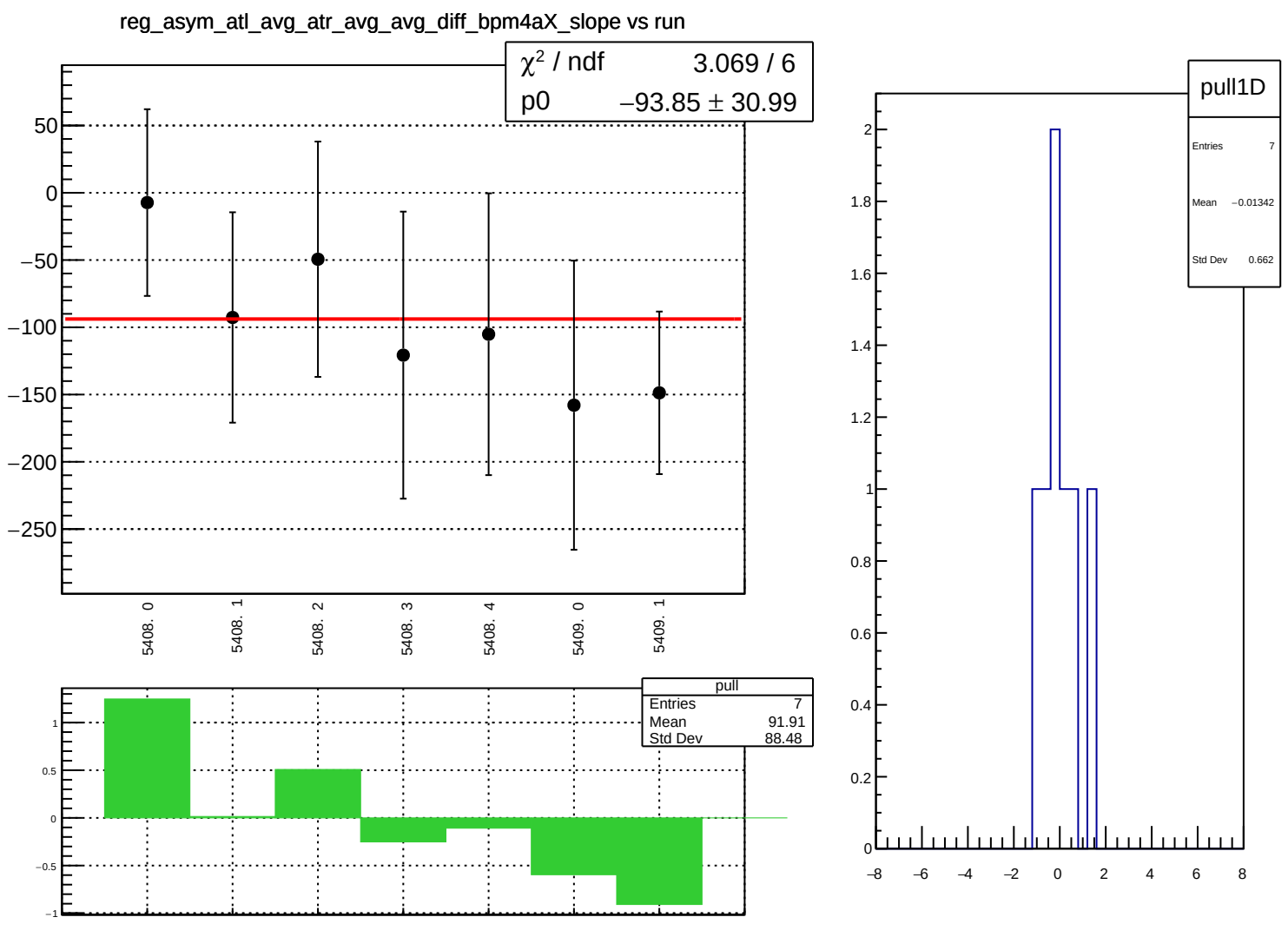

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.789 / 6
p0 2.942 ± 19.66
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −67.4
Std Dev 70.69
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

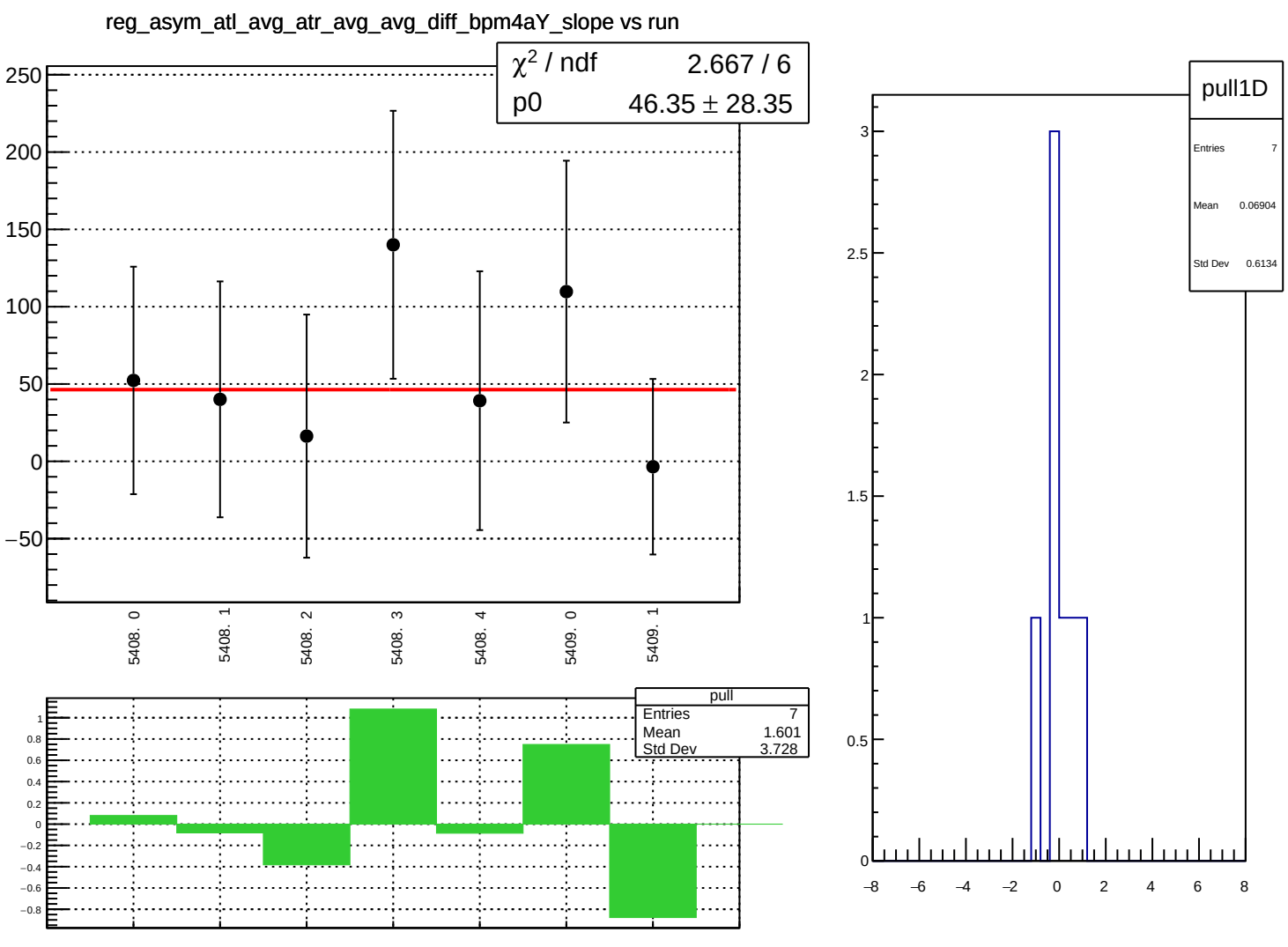

pull1D
Entries 7
Mean 0.009454
Std Dev 0.5055
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

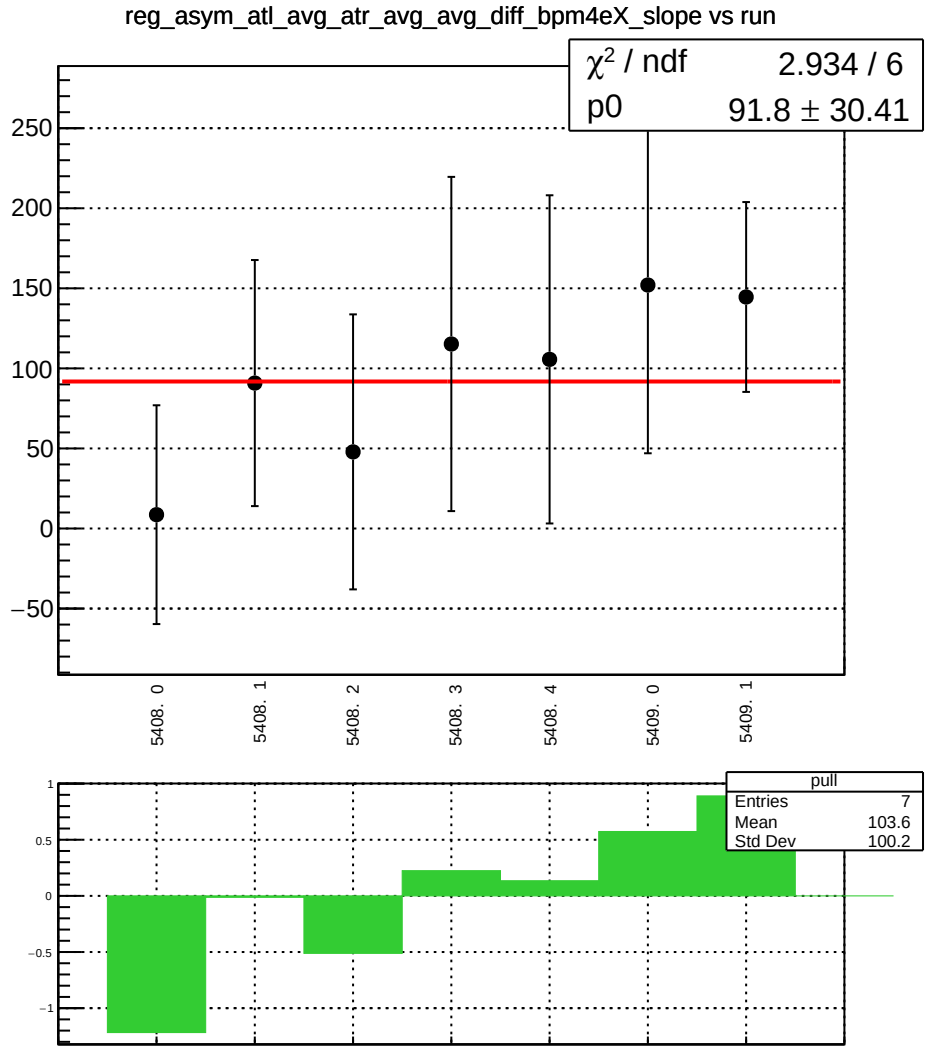

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.32 / 6
p0 −8.392 ± 21.01
150
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 10.5
Std Dev 7.493
1.5
1
0.5
0
−0.5
−1
−1.5

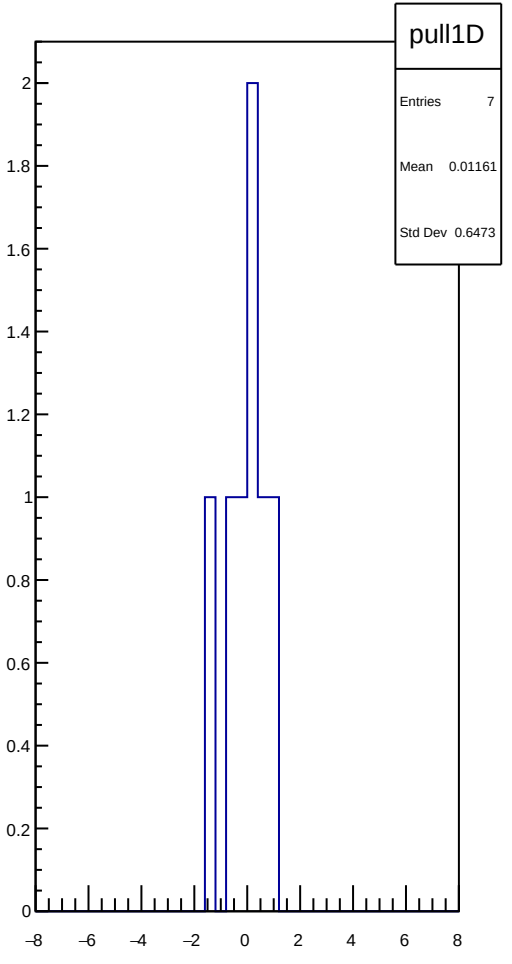

pull1D
Entries 7
Mean 0.04026
Std Dev 0.9494
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

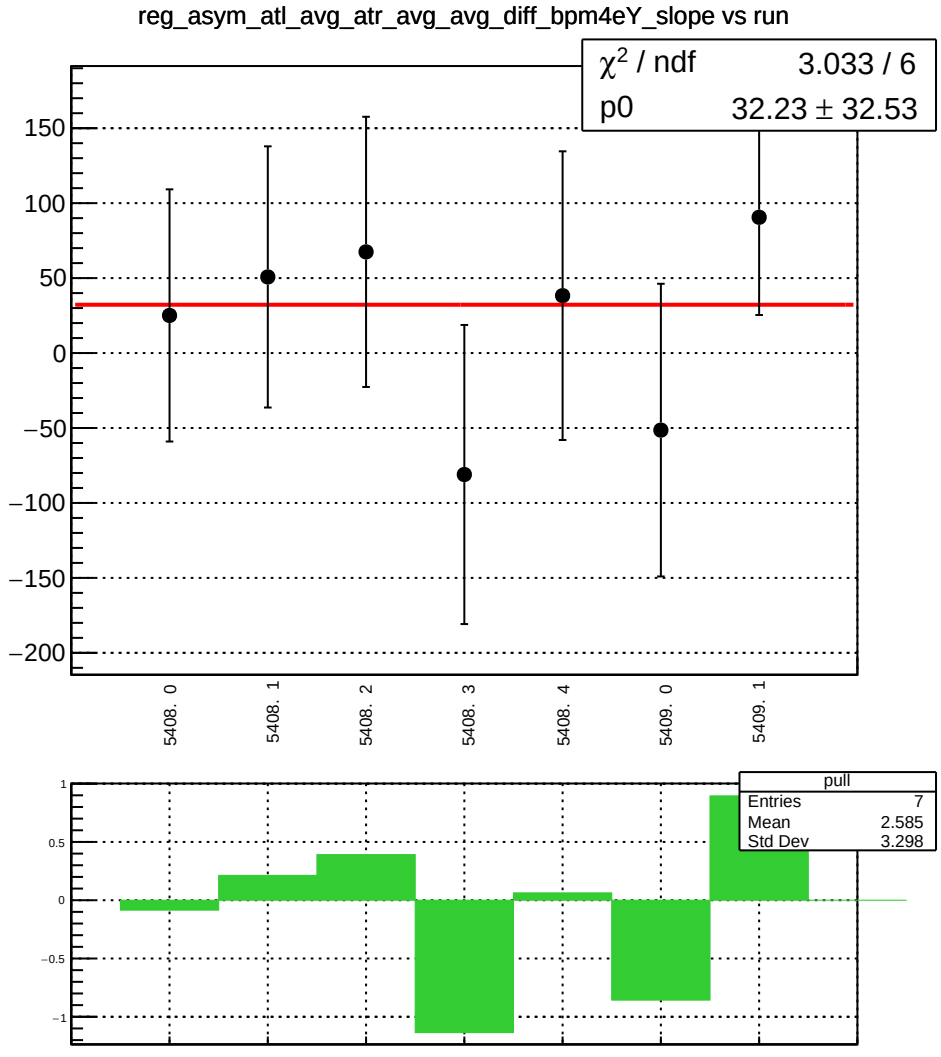

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 31 / 6
p0 25.48 ± 0.6363
32
30
28
26
24
22
20
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −23.07
Std Dev 26.77
3
2
1
0
−1
−2
pull1D
Entries 7
Mean −0.1406
Std Dev 2.1
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

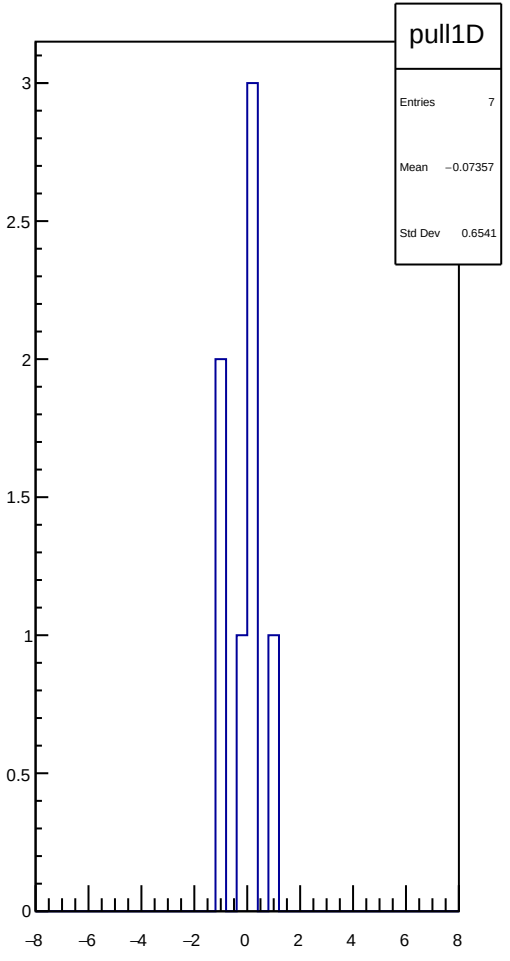

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.069 / 6
p0 −93.85 ± 30.99
50
0
−50
−100
−150
−200
−250
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 91.91
Std Dev 88.48
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean −0.01342
Std Dev 0.662
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

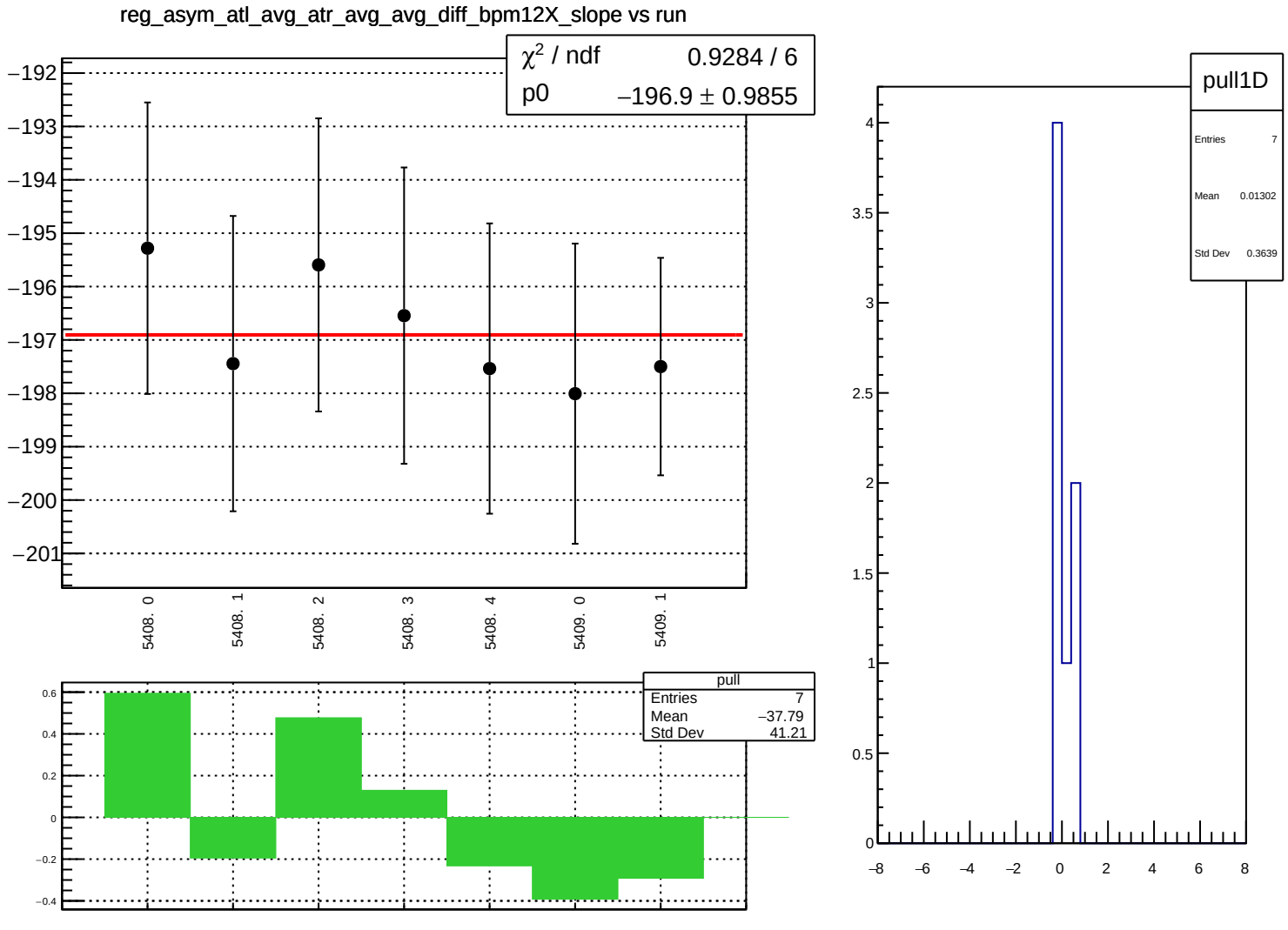

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.667 / 6
p0 46.35 ± 28.35
250
200
150
100
50
0
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 1.601
Std Dev 3.728
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean 0.06904
Std Dev 0.6134
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

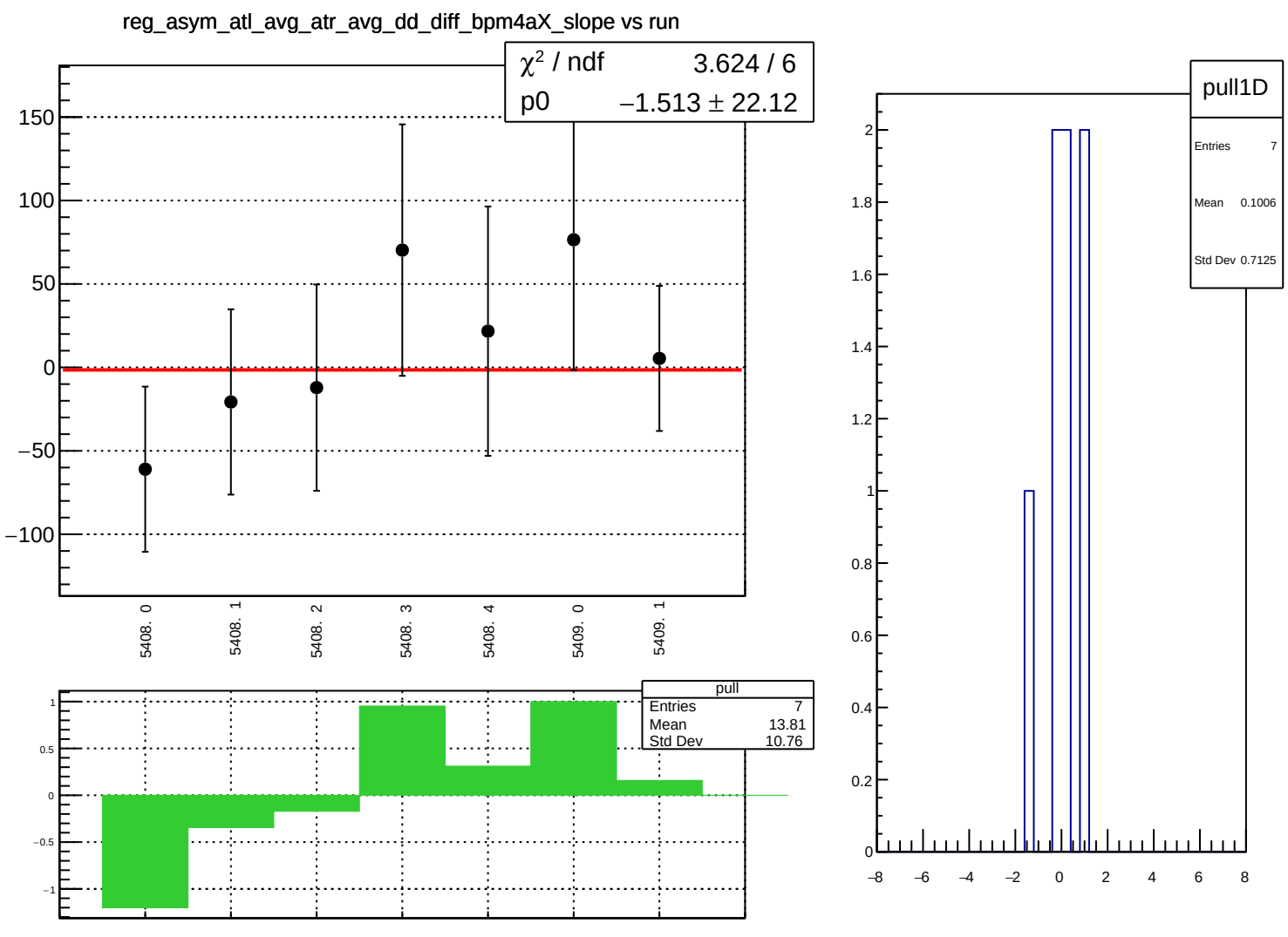

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.934 / 6
p0 91.8 ± 30.41
250
200
150
100
50
0
−50
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 103.6
Std Dev 100.2
1
0.5
0
−0.5
−1

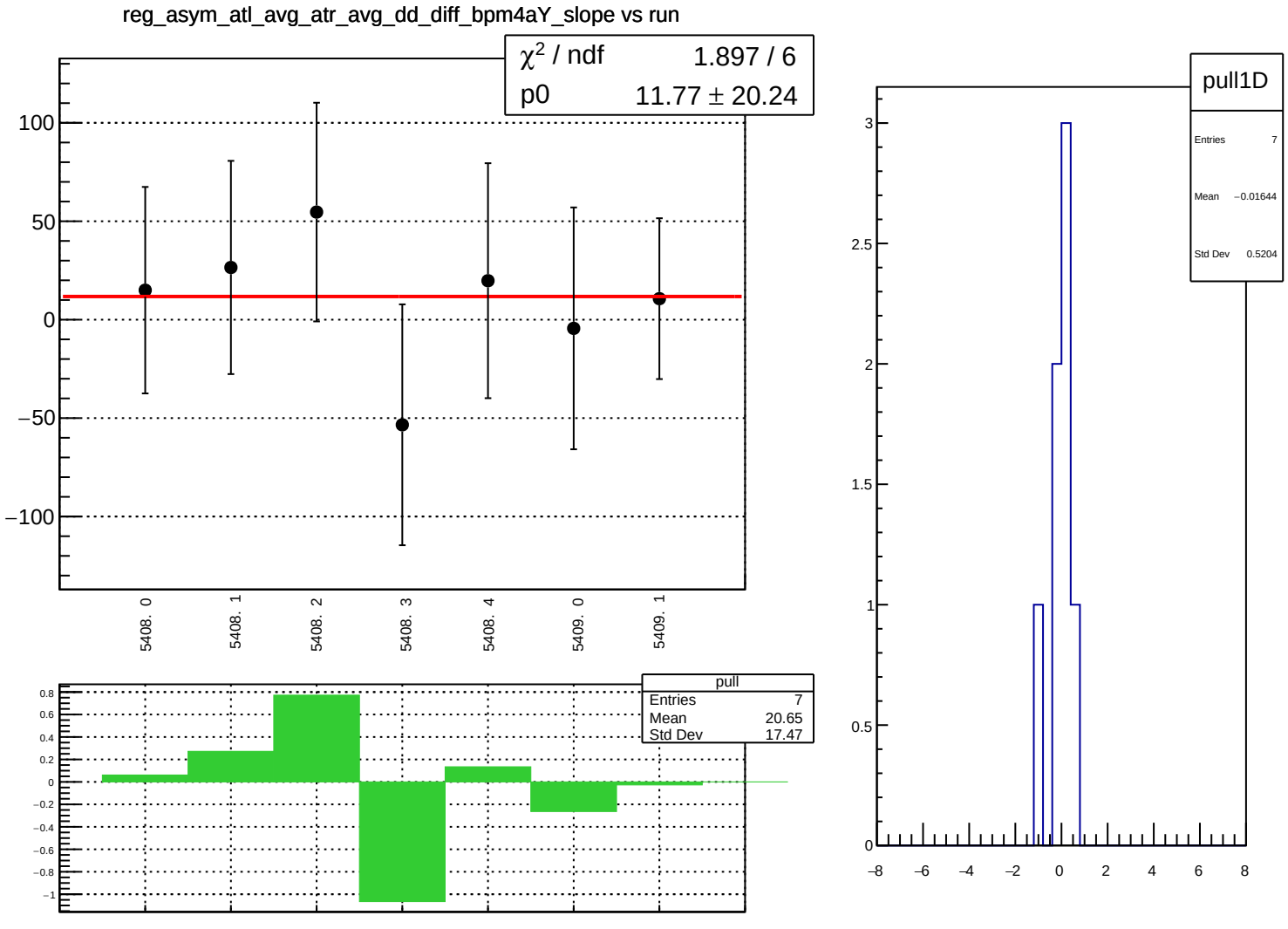

pull1D
Entries 7
Mean 0.01161
Std Dev 0.6473
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

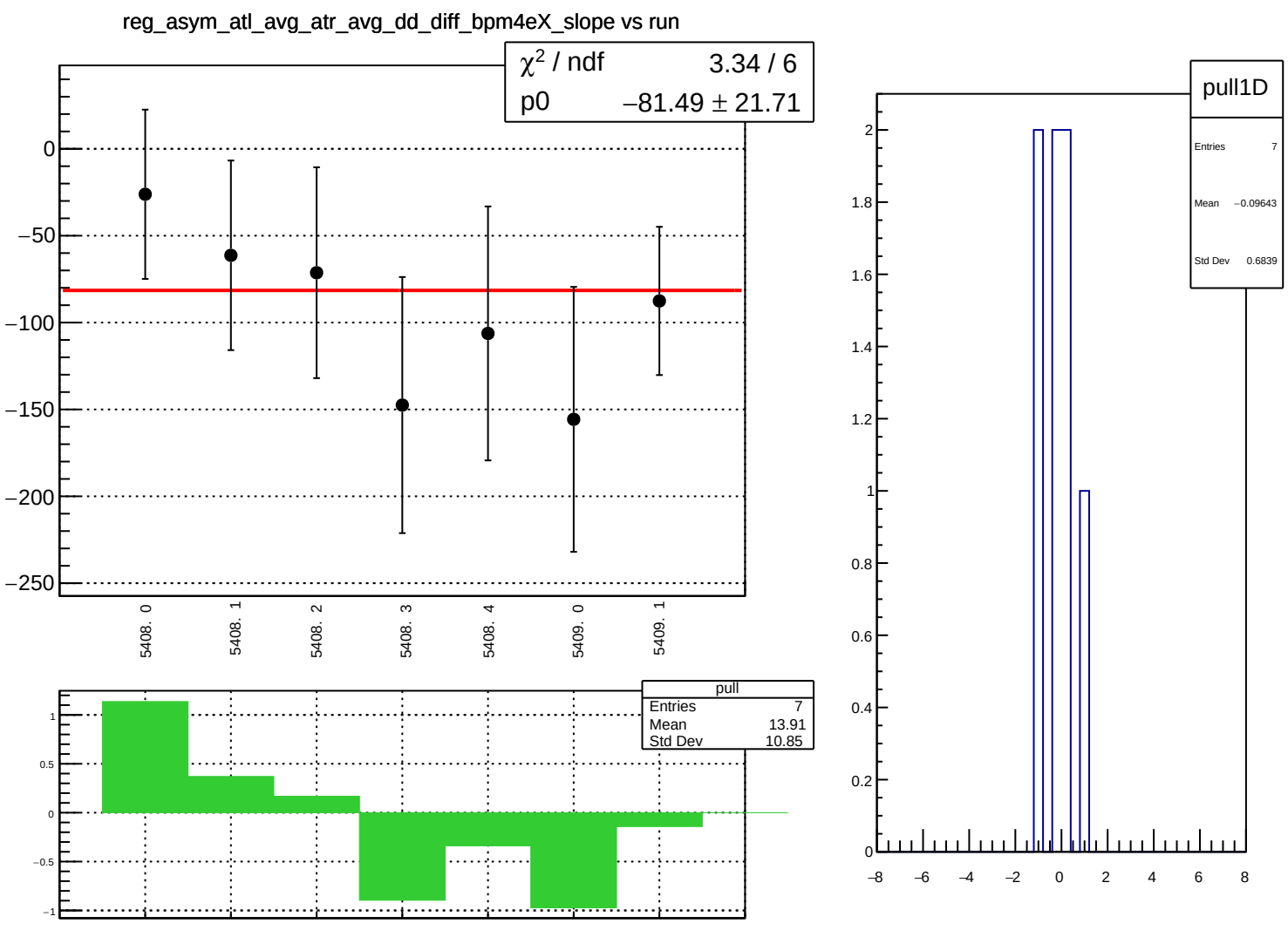

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.033 / 6
p0 32.23 ± 32.53
150
100
50
0
−50
−100
−150
−200
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 2.585
Std Dev 3.298
1
0.5
0
−0.5
−1

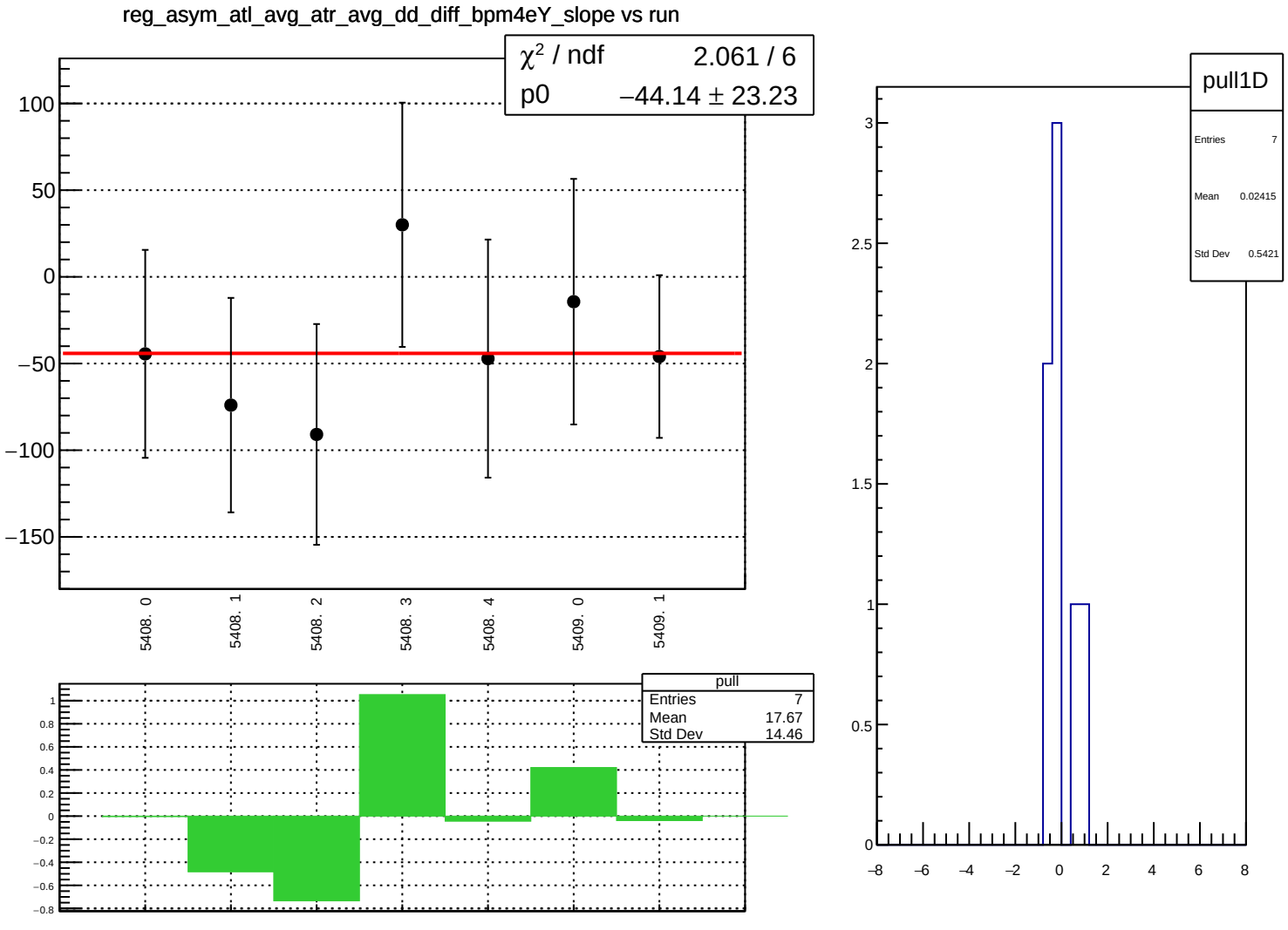

pull1D
Entries 7
Mean −0.07357
Std Dev 0.6541
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

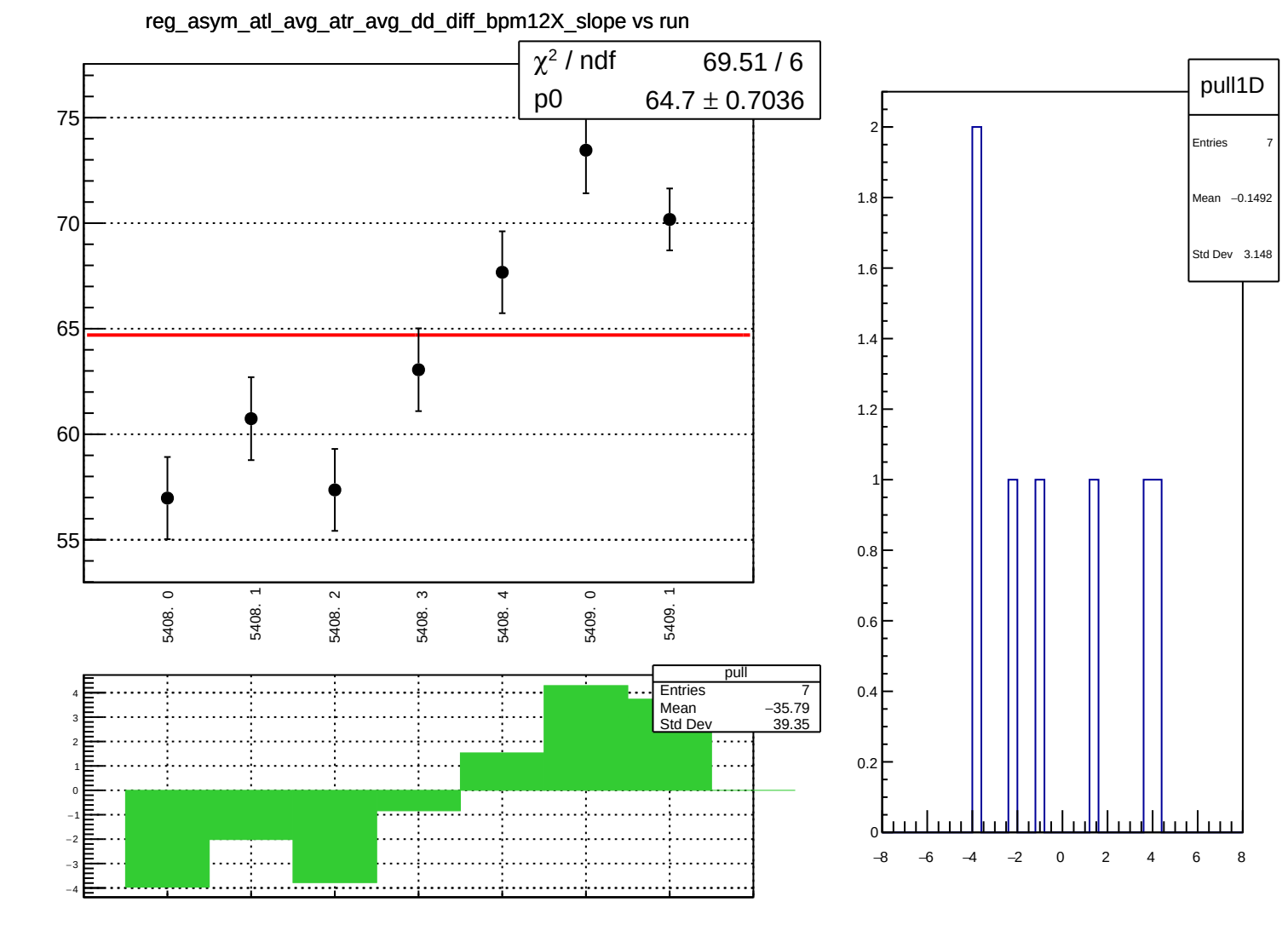

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 0.9284 / 6
p0 −196.9 ± 0.9855
−192
−193
−194
−195
−196
−197
−198
−199
−200
−201
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −37.79
Std Dev 41.21
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 7
Mean 0.01302
Std Dev 0.3639
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

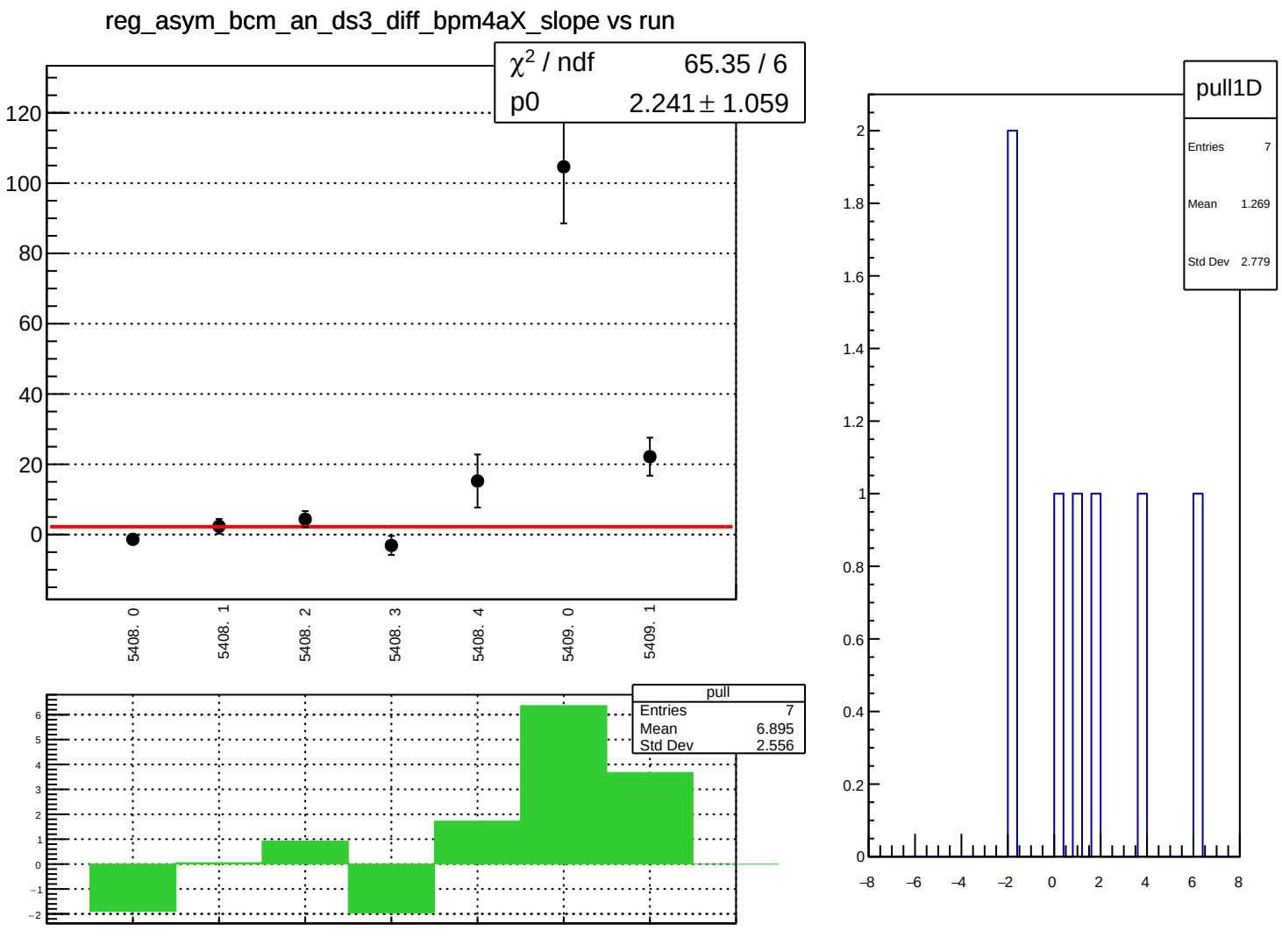

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.624 / 6
p0 −1.513 ± 22.12
150
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 13.81
Std Dev 10.76
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean 0.1006
Std Dev 0.7125
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

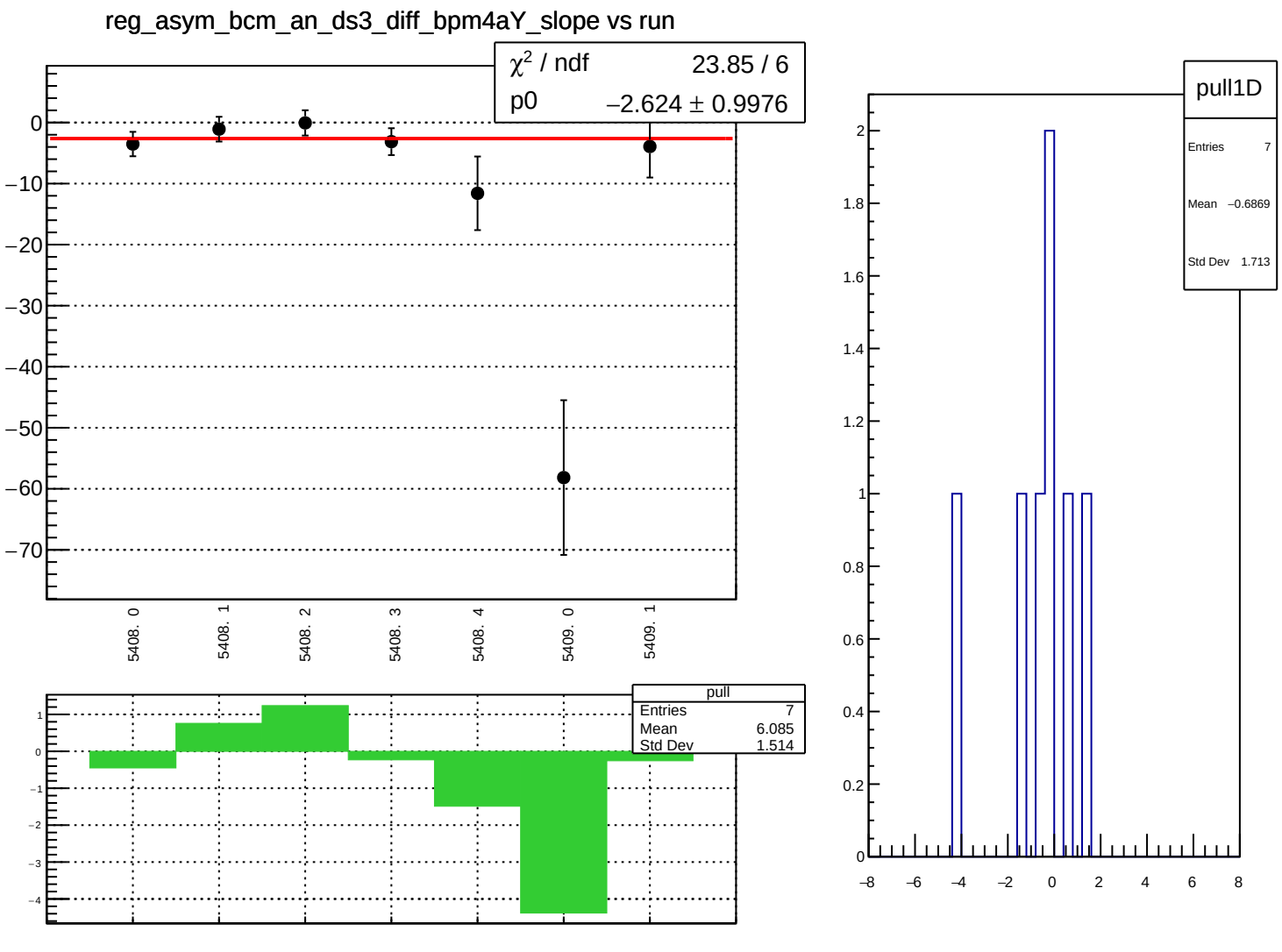

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.897 / 6
p0 11.77 ± 20.24
100
50
0
−50
−100
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 20.65
Std Dev 17.47
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 7
Mean −0.01644
Std Dev 0.5204
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

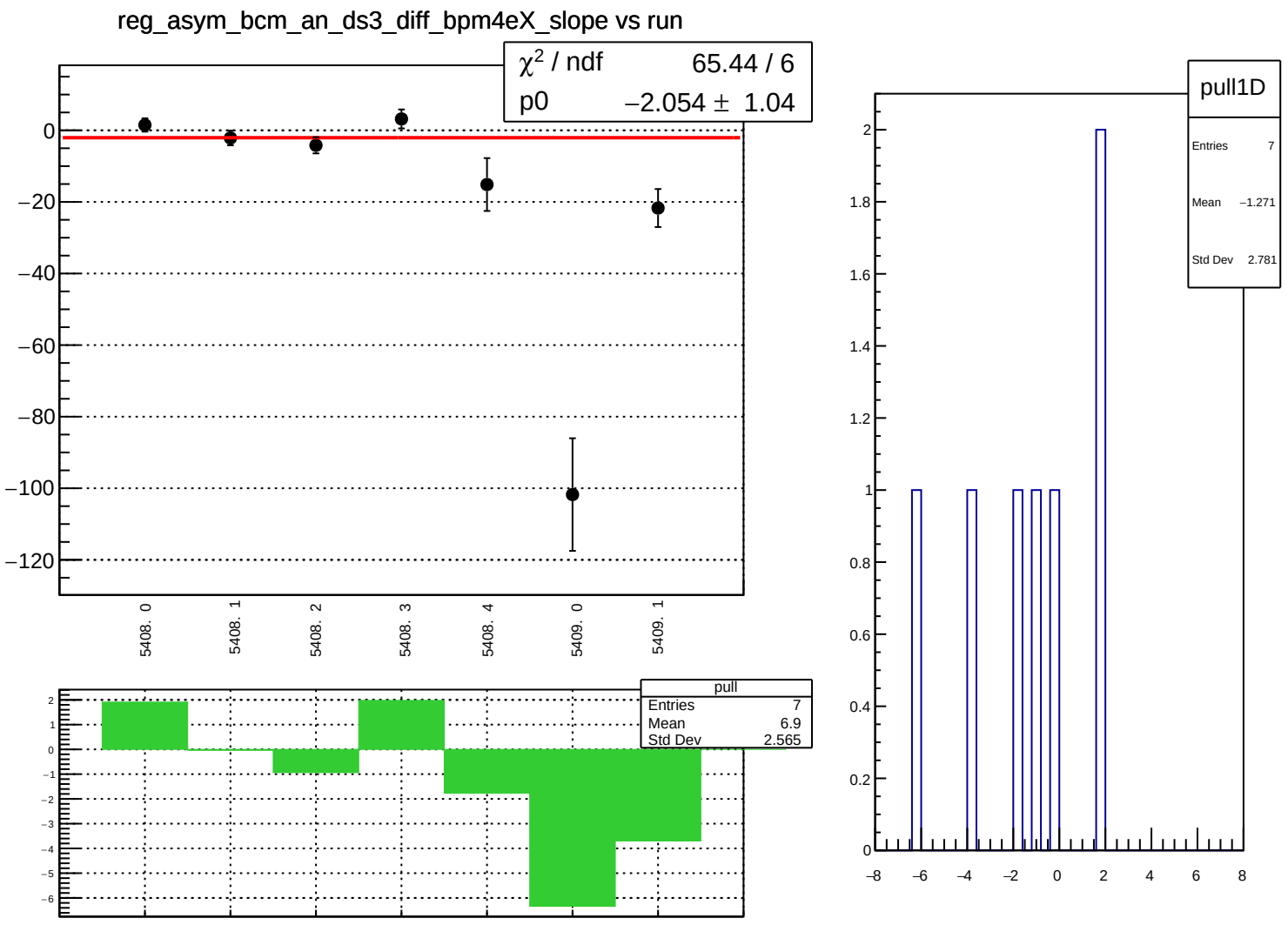

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.34 / 6
p0 −81.49 ± 21.71
0
−50
−100
−150
−200
−250
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 13.91
Std Dev 10.85
1
0.5
0
−0.5
−1
pull1D
Entries 7
Mean −0.09643
Std Dev 0.6839
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

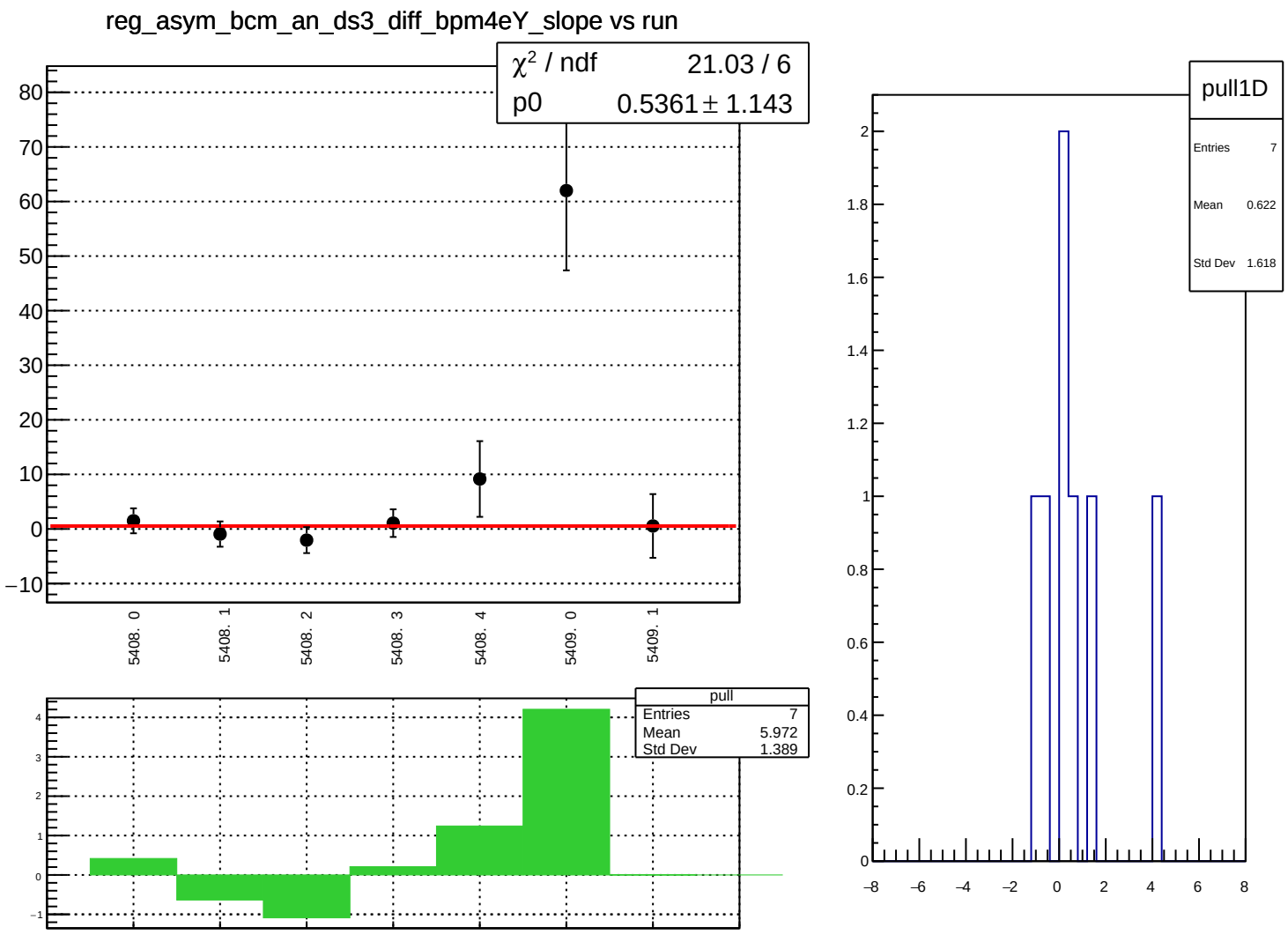

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.061 / 6
p0 −44.14 ± 23.23
100
50
0
−50
−100
−150
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 17.67
Std Dev 14.46
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 7
Mean 0.02415
Std Dev 0.5421
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

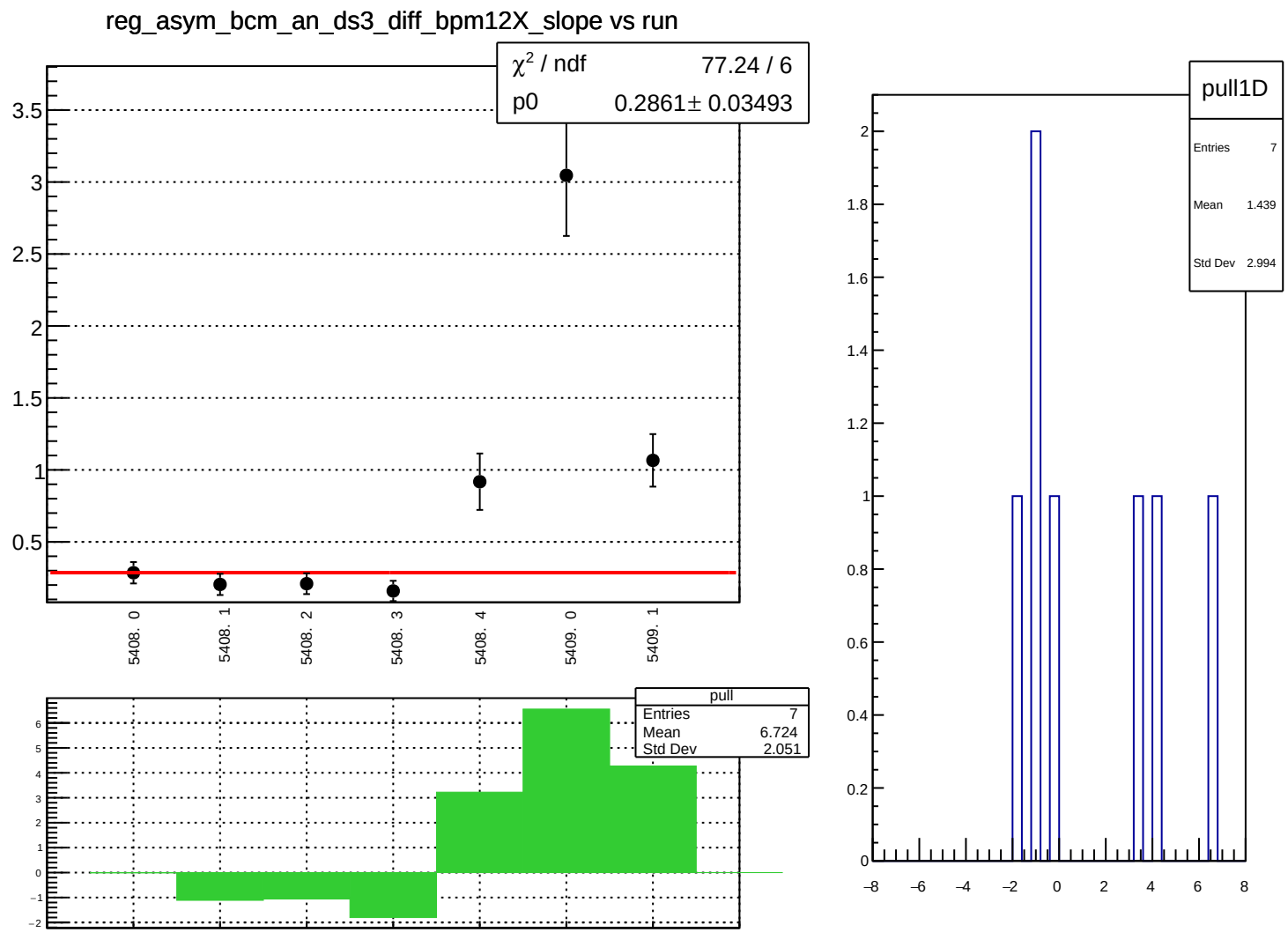

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 69.51 / 6
p0 64.7 ± 0.7036
75
70
65
60
55
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean −35.79
Std Dev 39.35
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 7
Mean −0.1492
Std Dev 3.148
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

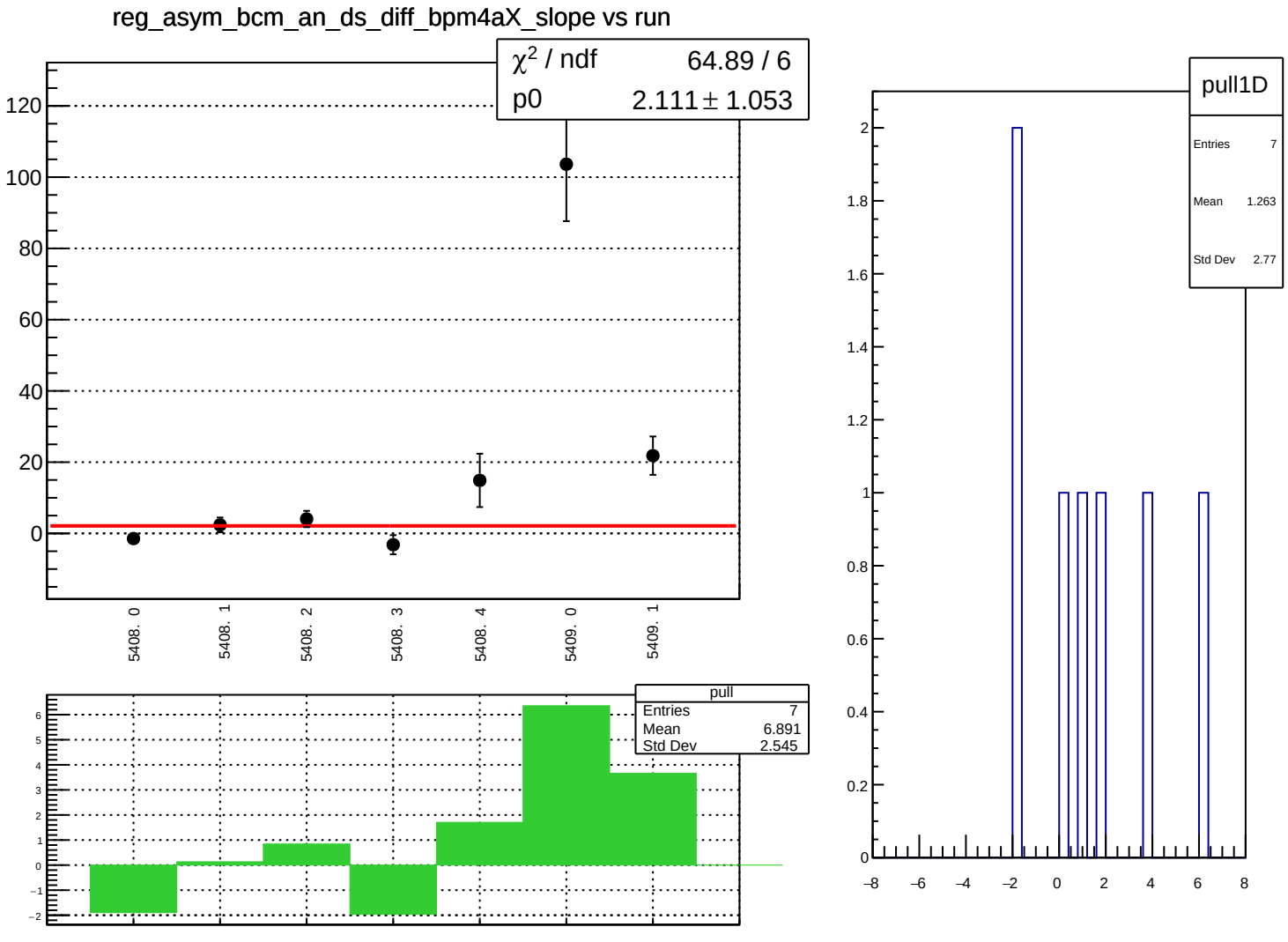

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 65.35 / 6
p0 2.241 ± 1.059
120
100
80
60
40
20
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.895
Std Dev 2.556
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.269
Std Dev 2.779
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

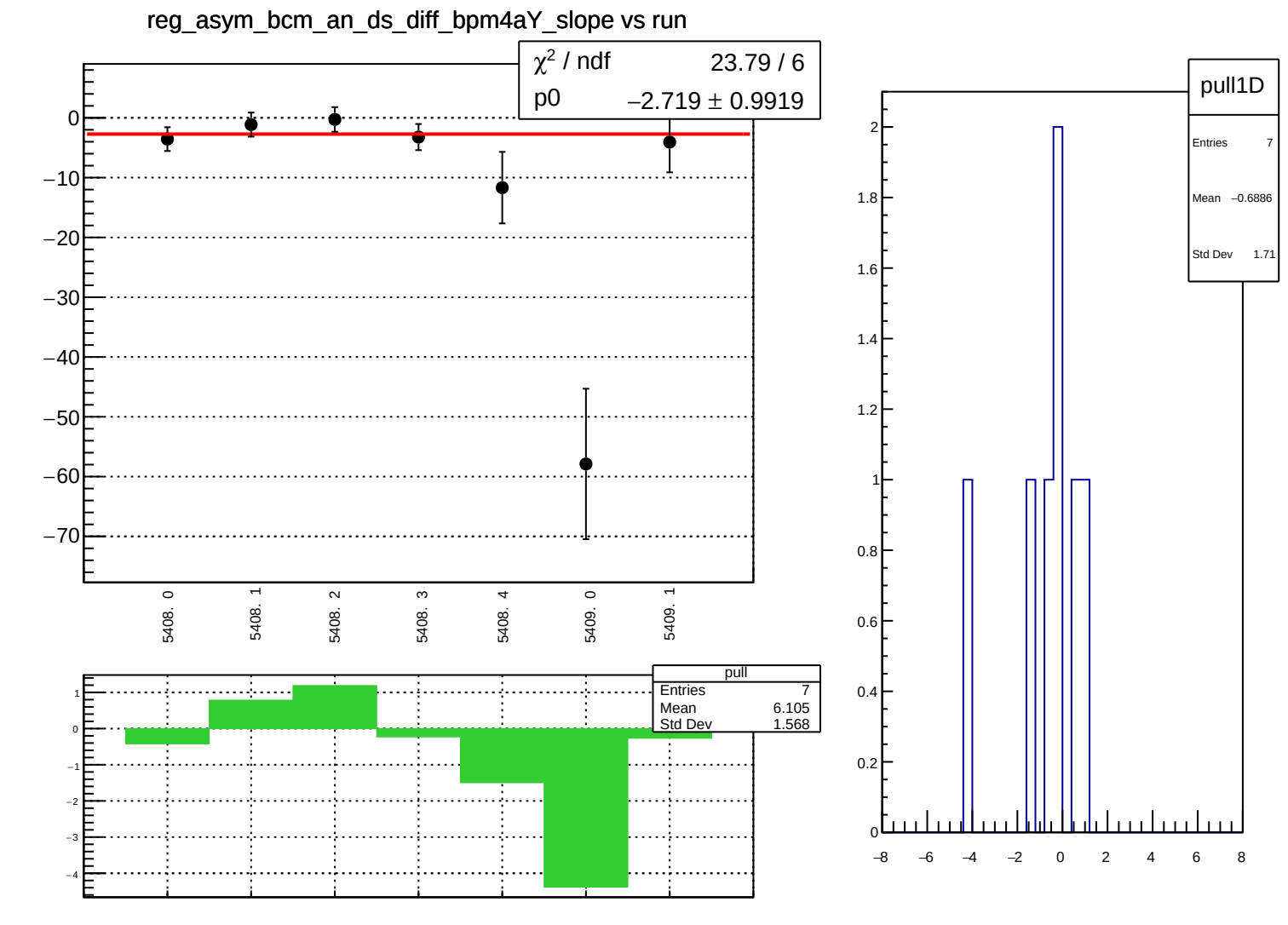

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 23.85 / 6
p0 −2.624 ± 0.9976
0
−10
−20
−30
−40
−50
−60
−70
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.085
Std Dev 1.514
1
0
−1
−2
−3
−4
pull1D
Entries 7
Mean −0.6869
Std Dev 1.713
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

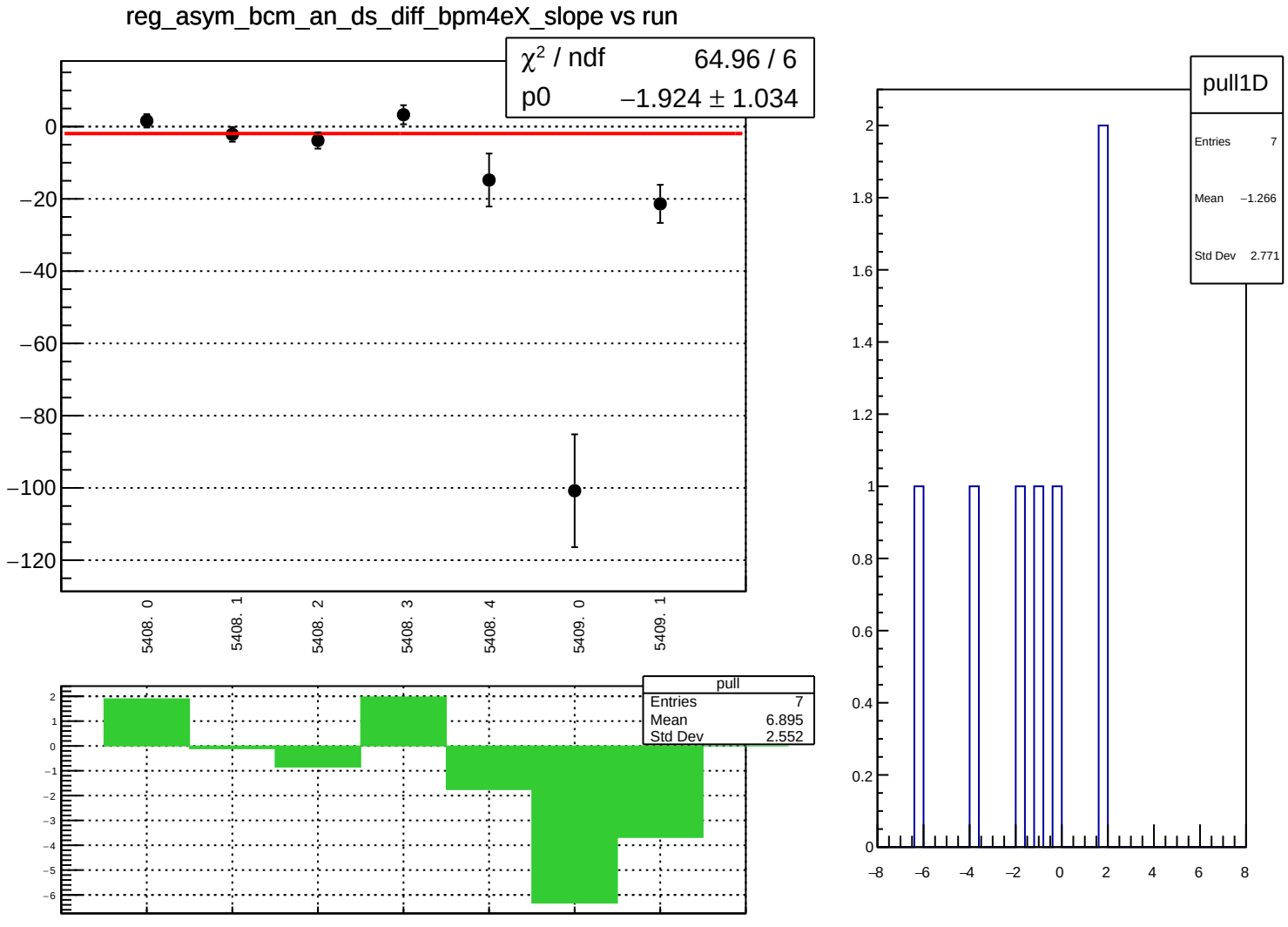

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 65.44 / 6
p0 −2.054 ± 1.04
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.9
Std Dev 2.565
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 7
Mean −1.271
Std Dev 2.781
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

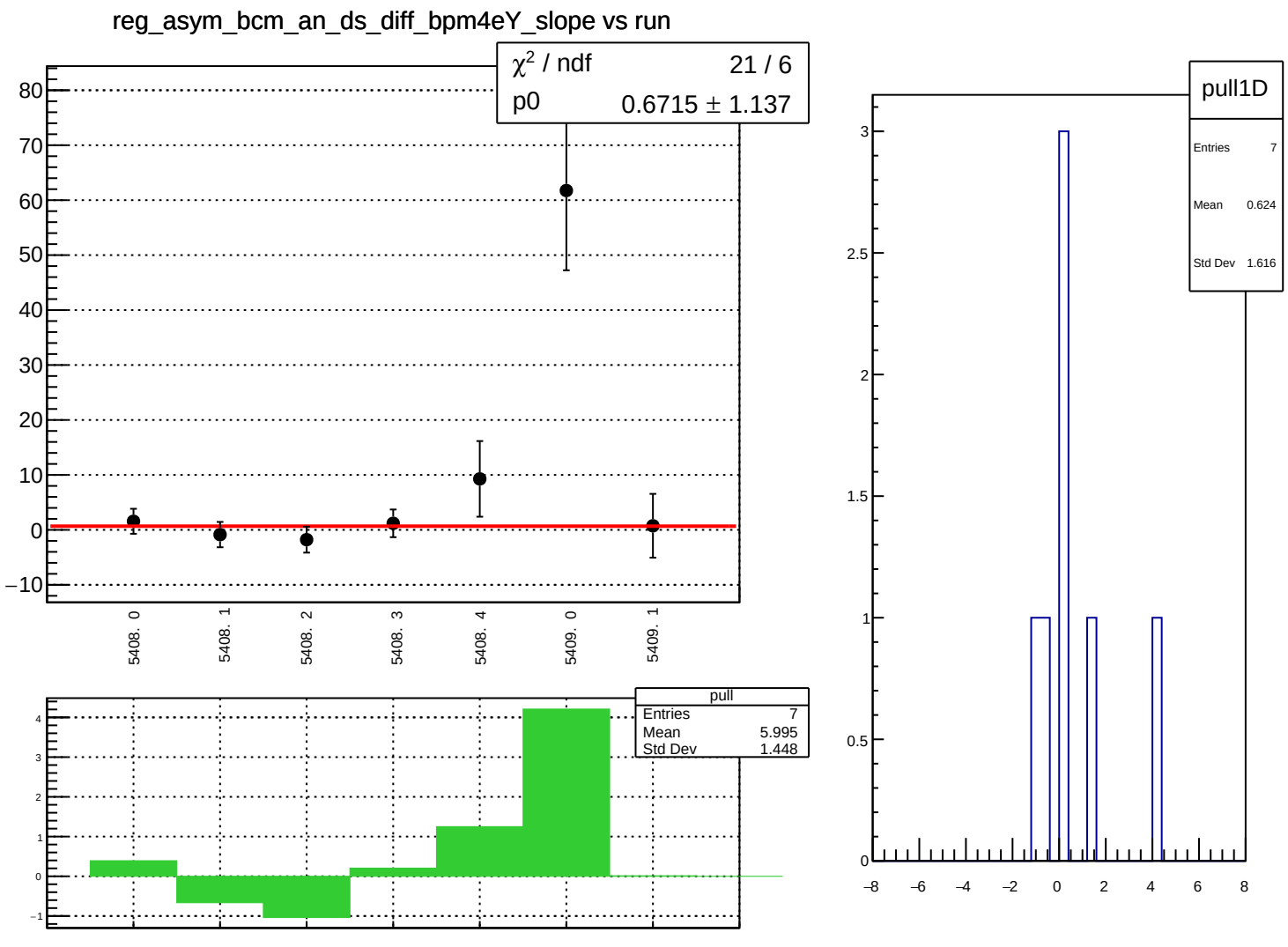

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 21.03 / 6
p0 0.5361 ± 1.143
80
70
60
50
40
30
20
10
0
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.972
Std Dev 1.389
4
3
2
1
0
−1
pull1D
Entries 7
Mean 0.622
Std Dev 1.618
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

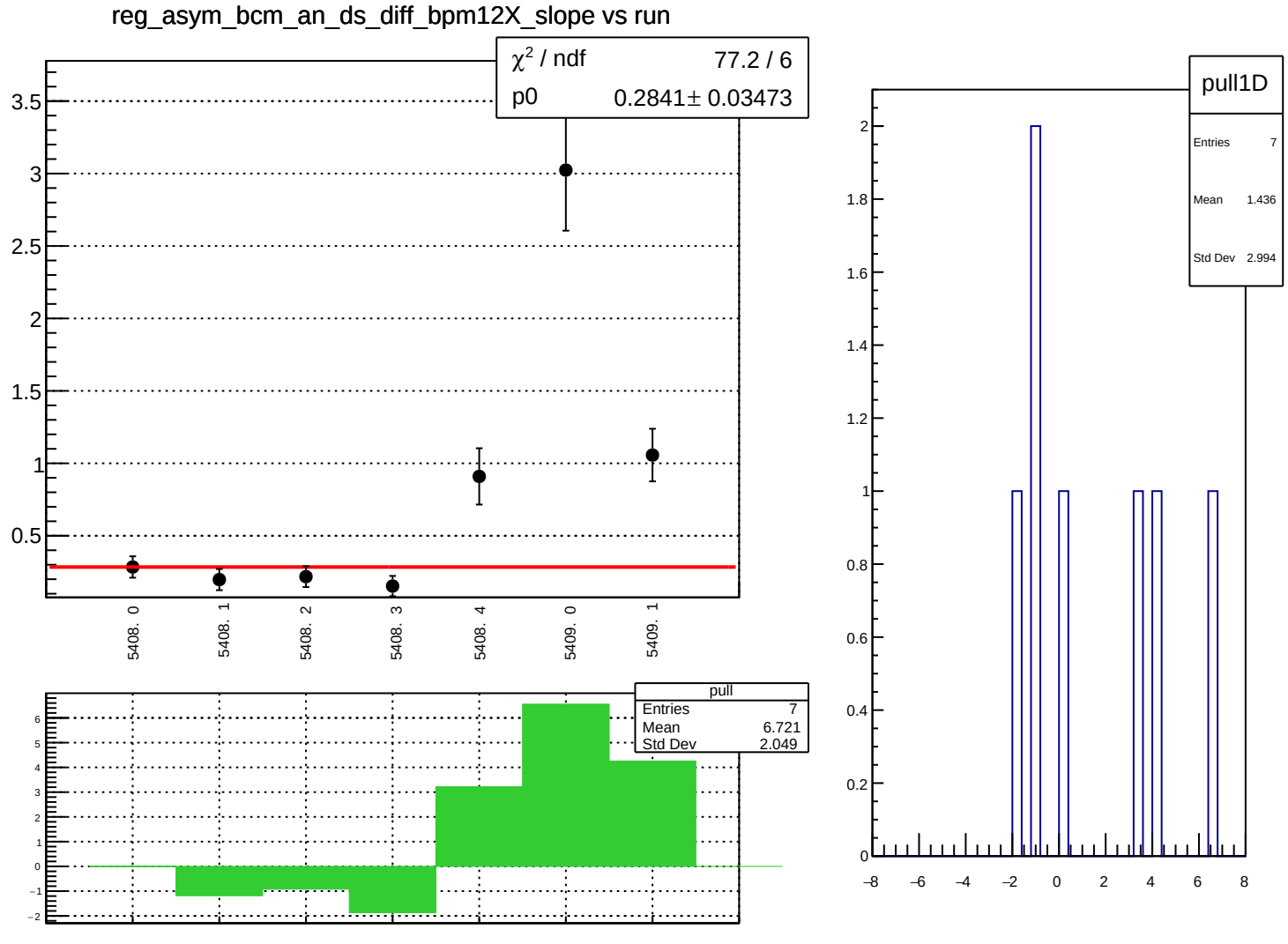

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 77.24 / 6
p0 0.2861± 0.03493
3.5
3
2.5
2
1.5
1
0.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.724
Std Dev 2.051
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.439
Std Dev 2.994
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

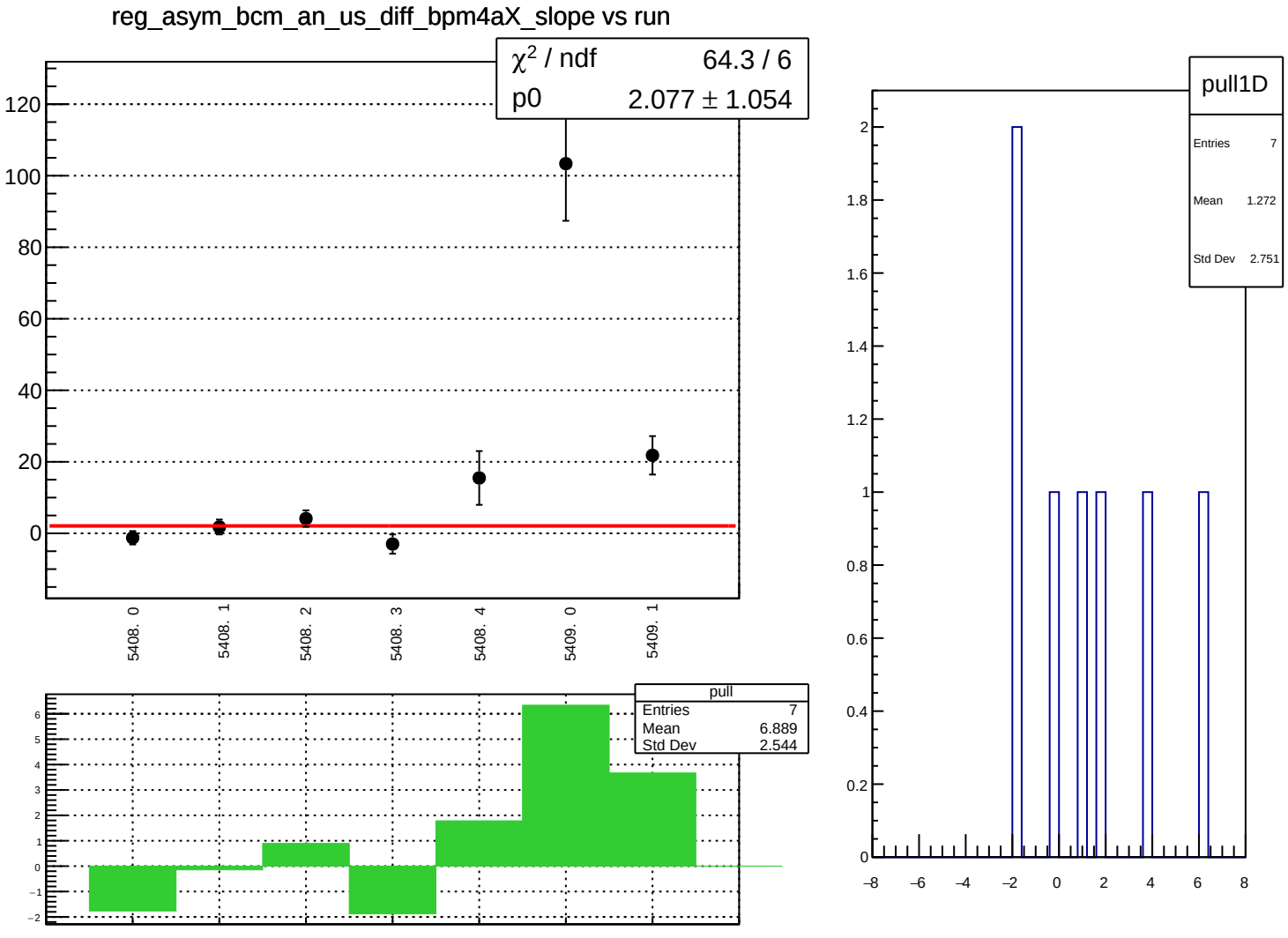

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 64.89 / 6
p0 2.111 ± 1.053
120
100
80
60
40
20
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.891
Std Dev 2.545
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.263
Std Dev 2.77
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

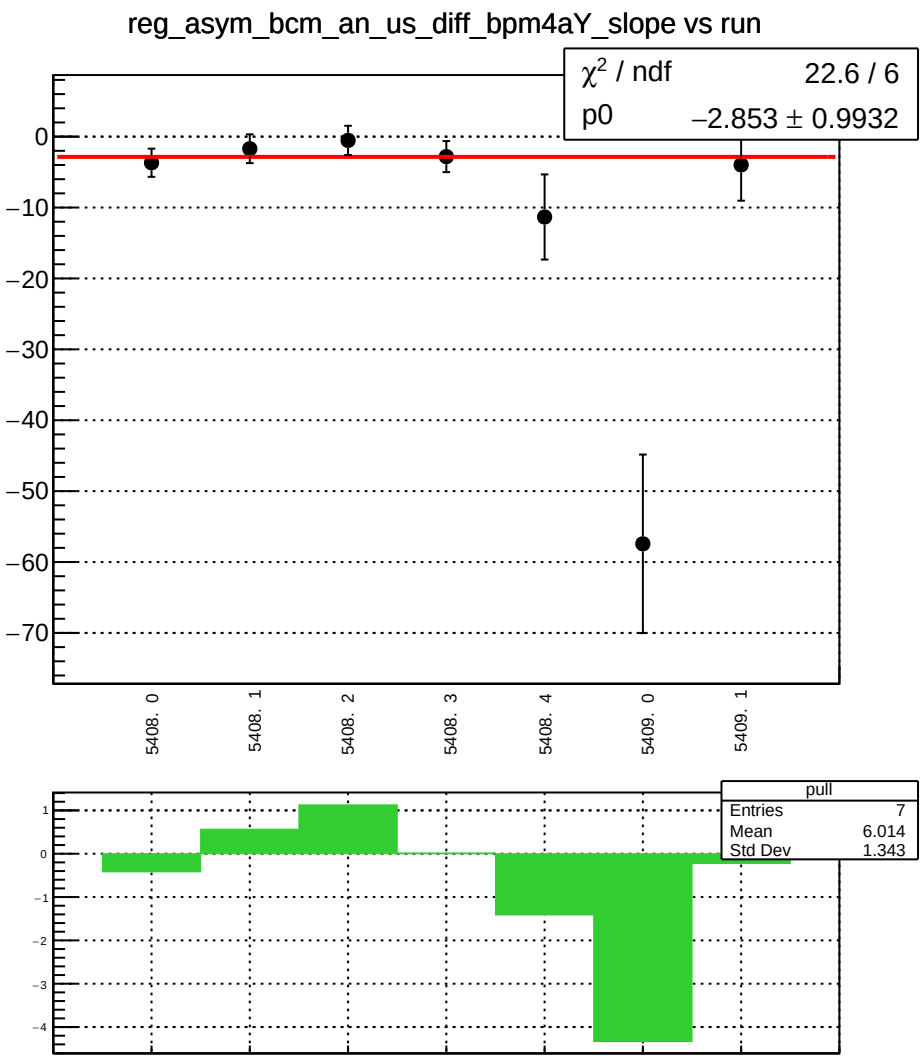

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 23.79 / 6
p0 −2.719 ± 0.9919
0
−10
−20
−30
−40
−50
−60
−70
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.105
Std Dev 1.568
1
0
−1
−2
−3
−4
pull1D
Entries 7
Mean −0.6886
Std Dev 1.71
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

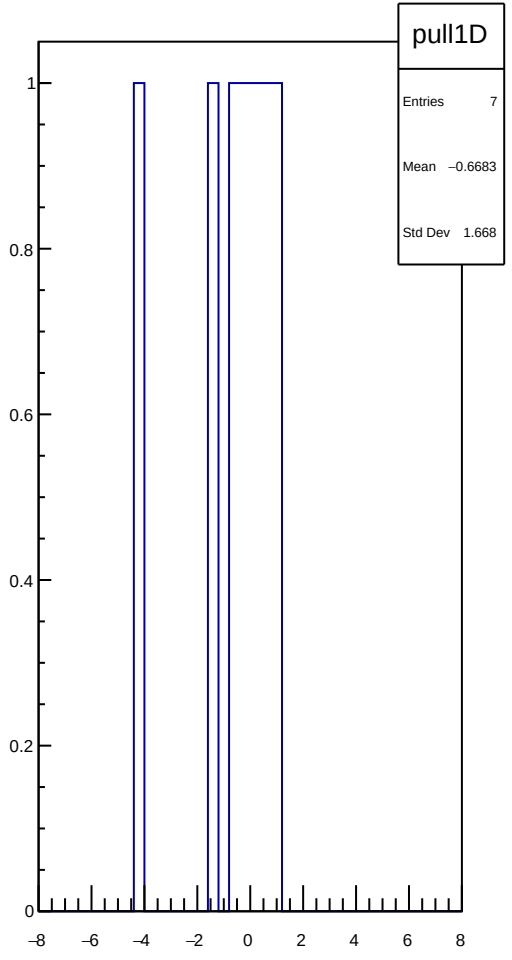

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 64.96 / 6
p0 −1.924 ± 1.034
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.895
Std Dev 2.552
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 7
Mean −1.266
Std Dev 2.771
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

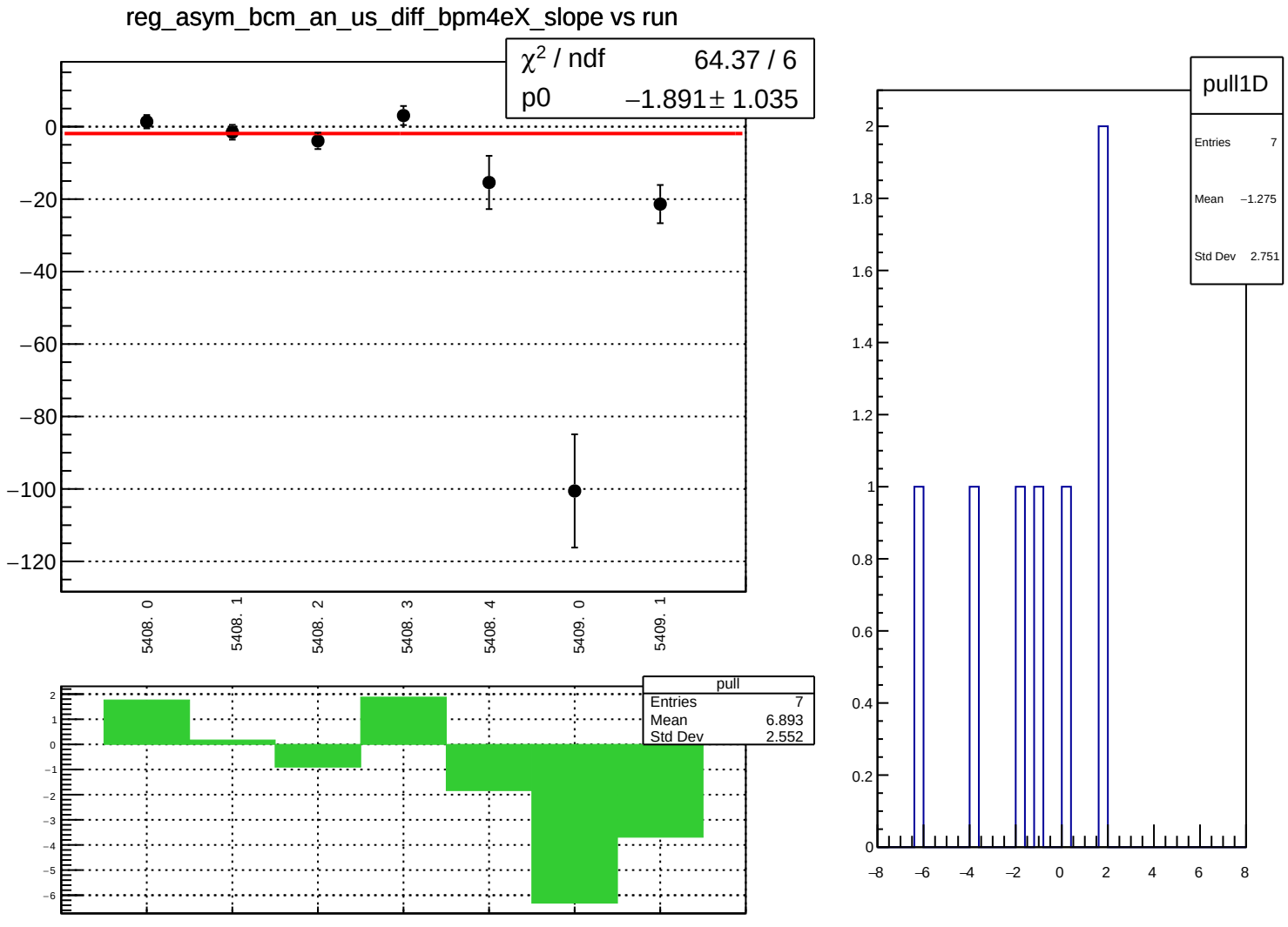

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 21 / 6
p0 0.6715 ± 1.137
80
70
60
50
40
30
20
10
0
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.995
Std Dev 1.448
4
3
2
1
0
−1
pull1D
Entries 7
Mean 0.624
Std Dev 1.616
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

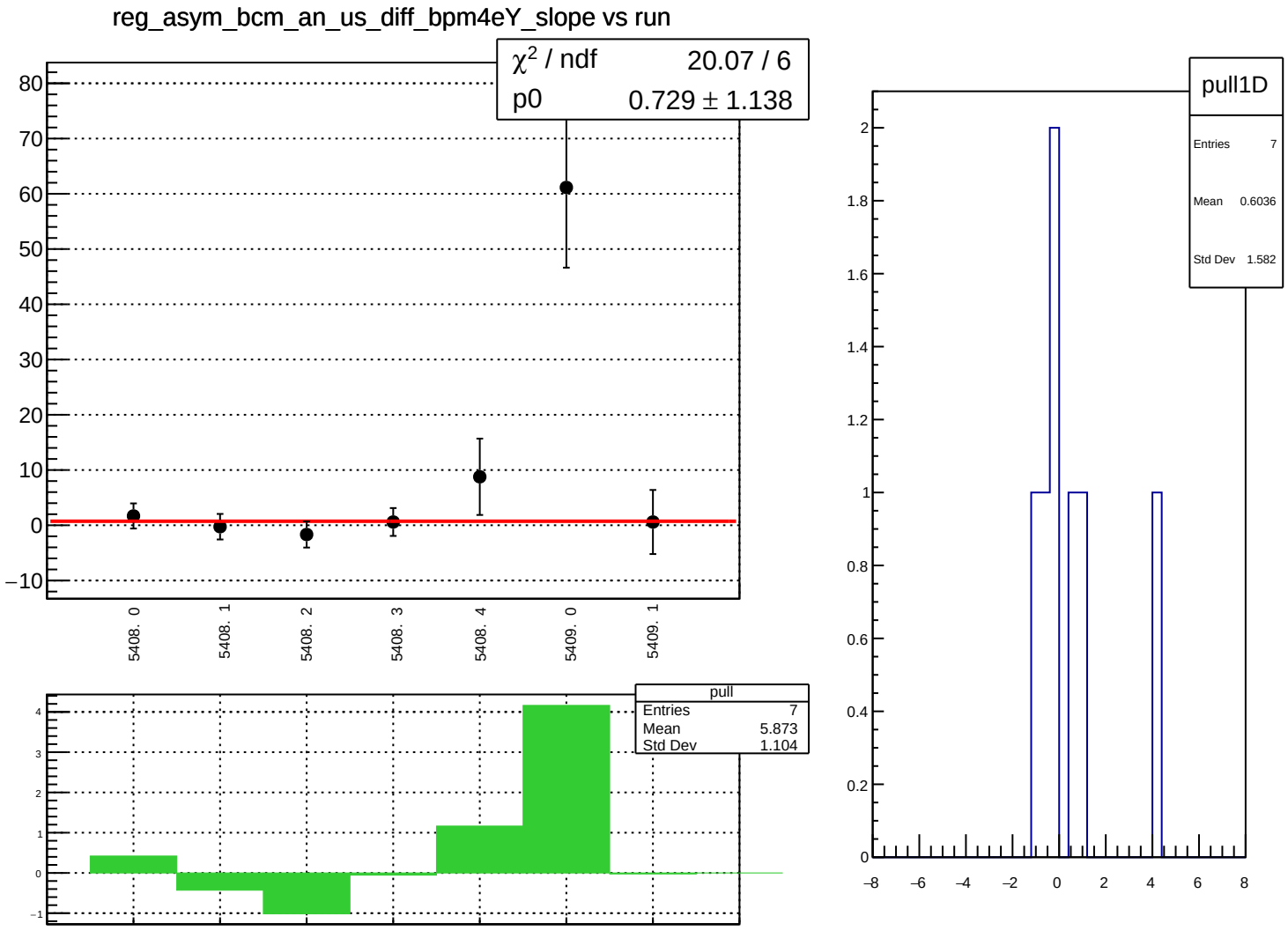

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 77.2 / 6
p0 0.2841± 0.03473
3.5
3
2.5
2
1.5
1
0.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.721
Std Dev 2.049
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.436
Std Dev 2.994
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

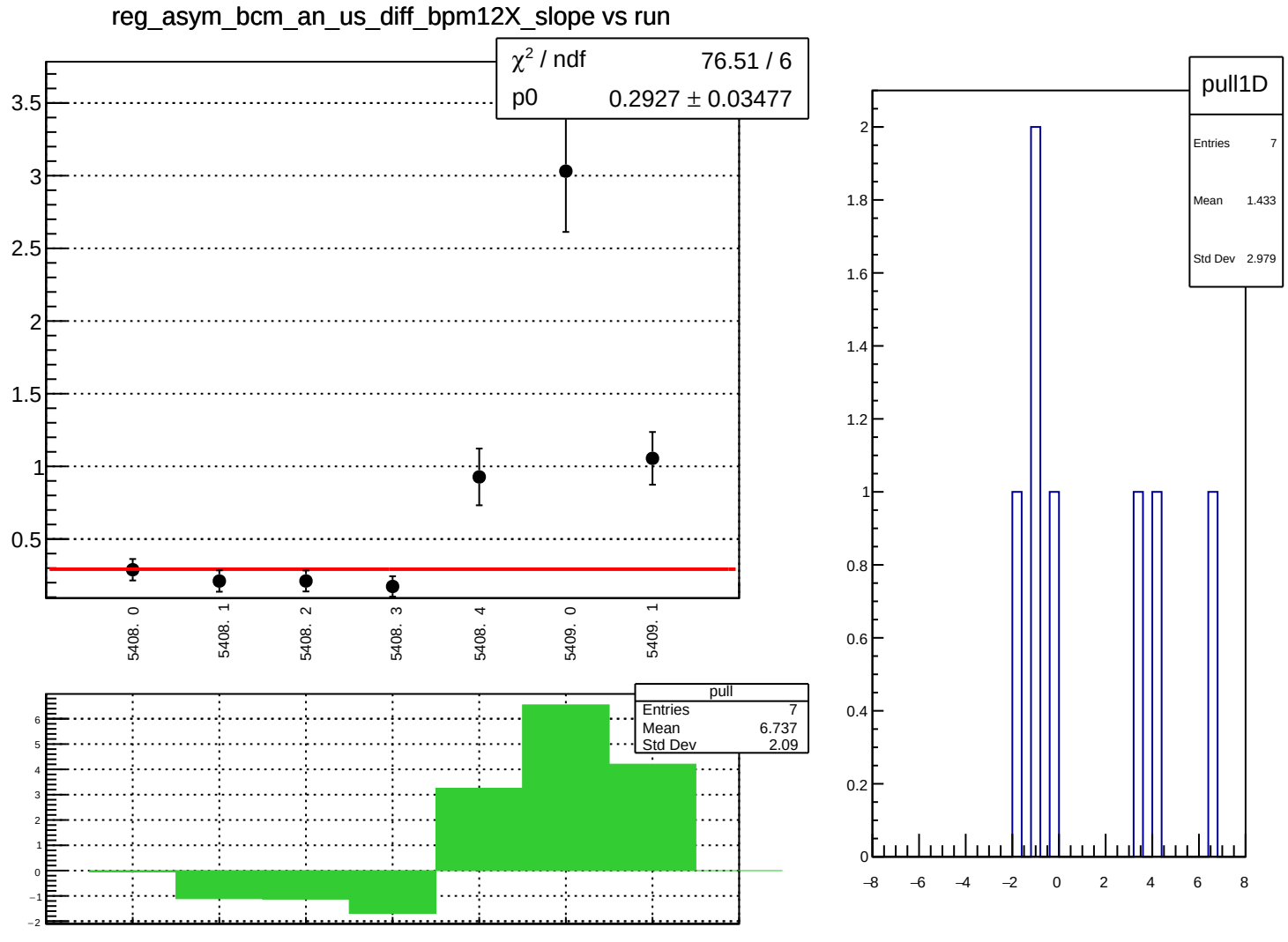

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 64.3 / 6
p0 2.077 ± 1.054
120
100
80
60
40
20
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.889
Std Dev 2.544
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.272
Std Dev 2.751
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

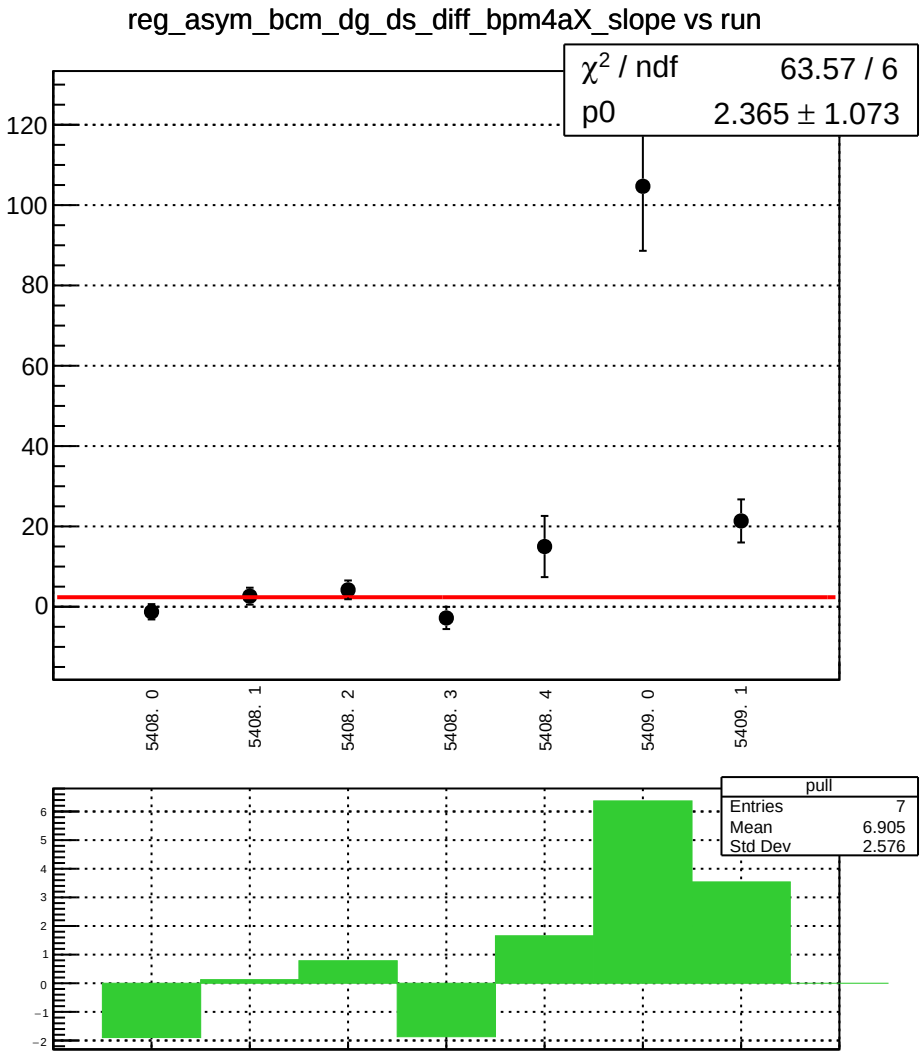

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 22.6 / 6
p0 −2.853 ± 0.9932
0
−10
−20
−30
−40
−50
−60
−70
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.014
Std Dev 1.343
1
0
−1
−2
−3
−4

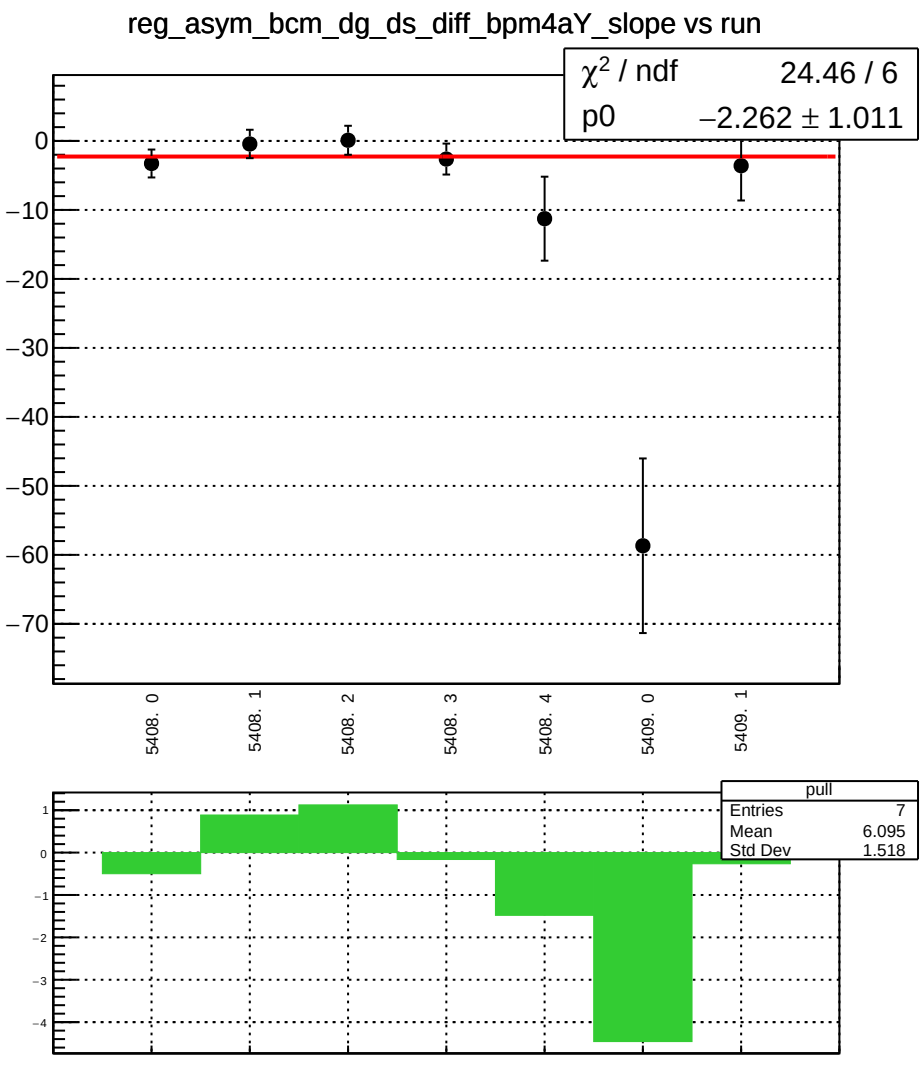

pull1D
Entries 7
Mean −0.6683
Std Dev 1.668
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

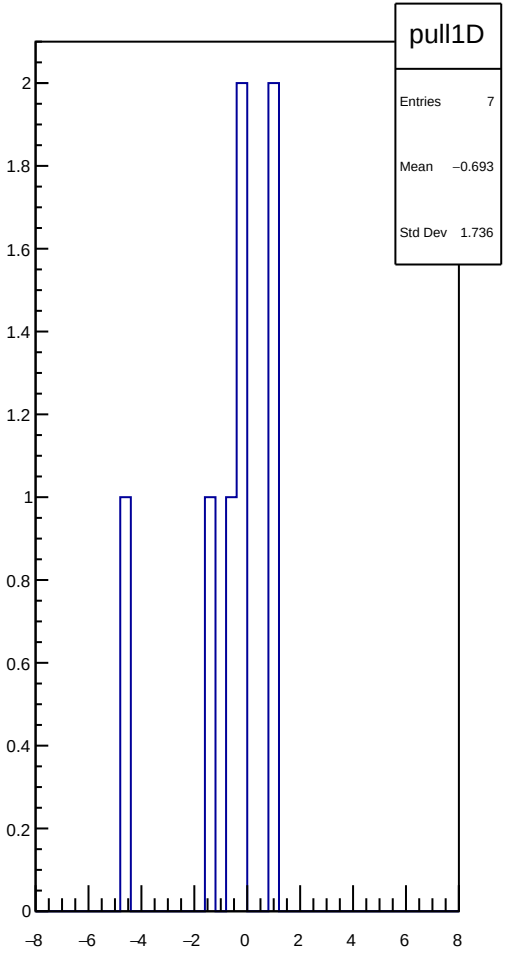

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 64.37 / 6
p0 −1.891 ± 1.035
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.893
Std Dev 2.552
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 7
Mean −1.275
Std Dev 2.751
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

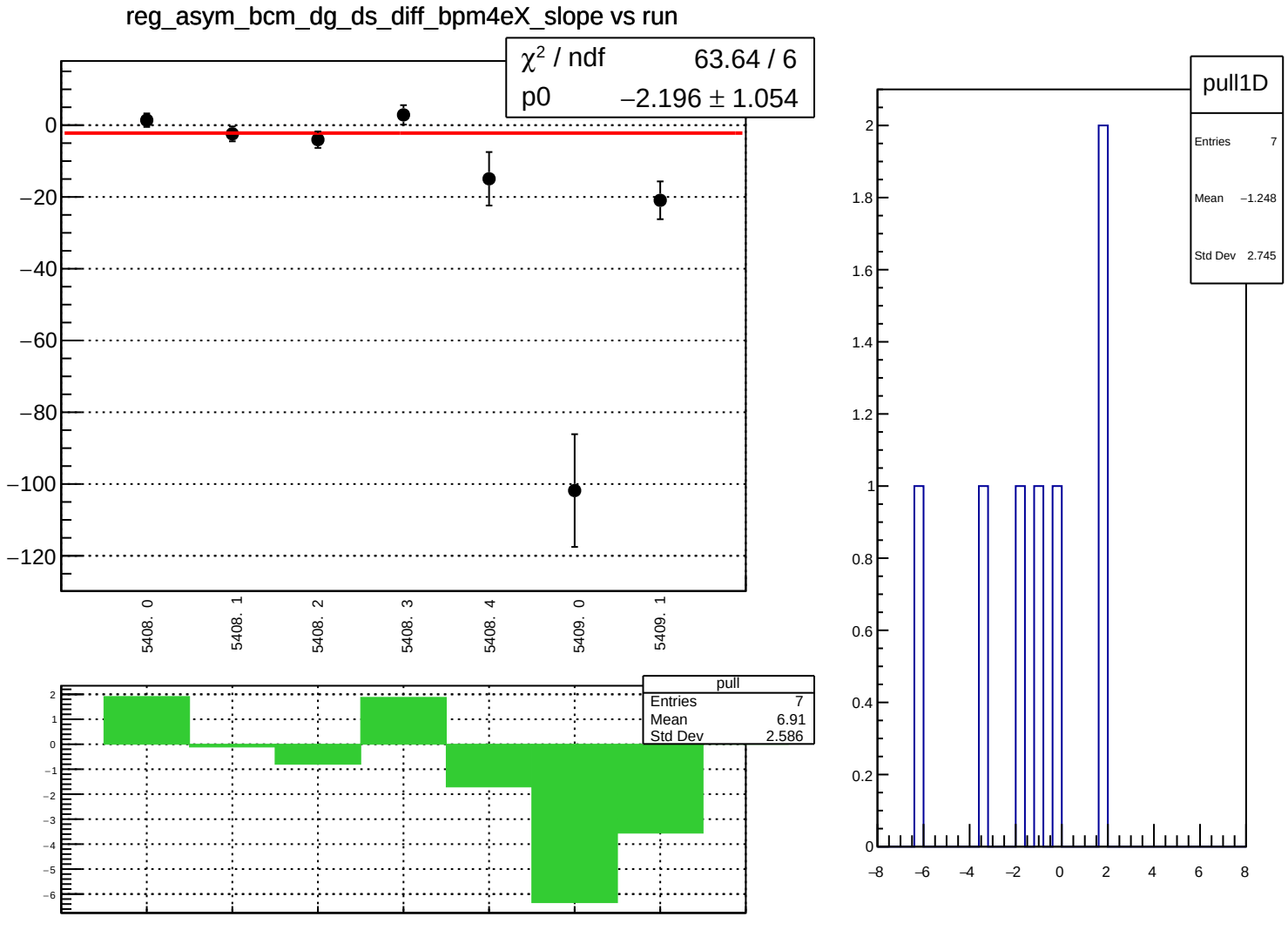

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 20.07 / 6
p0 0.729 ± 1.138
80
70
60
50
40
30
20
10
0
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.873
Std Dev 1.104
4
3
2
1
0
−1
pull1D
Entries 7
Mean 0.6036
Std Dev 1.582
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

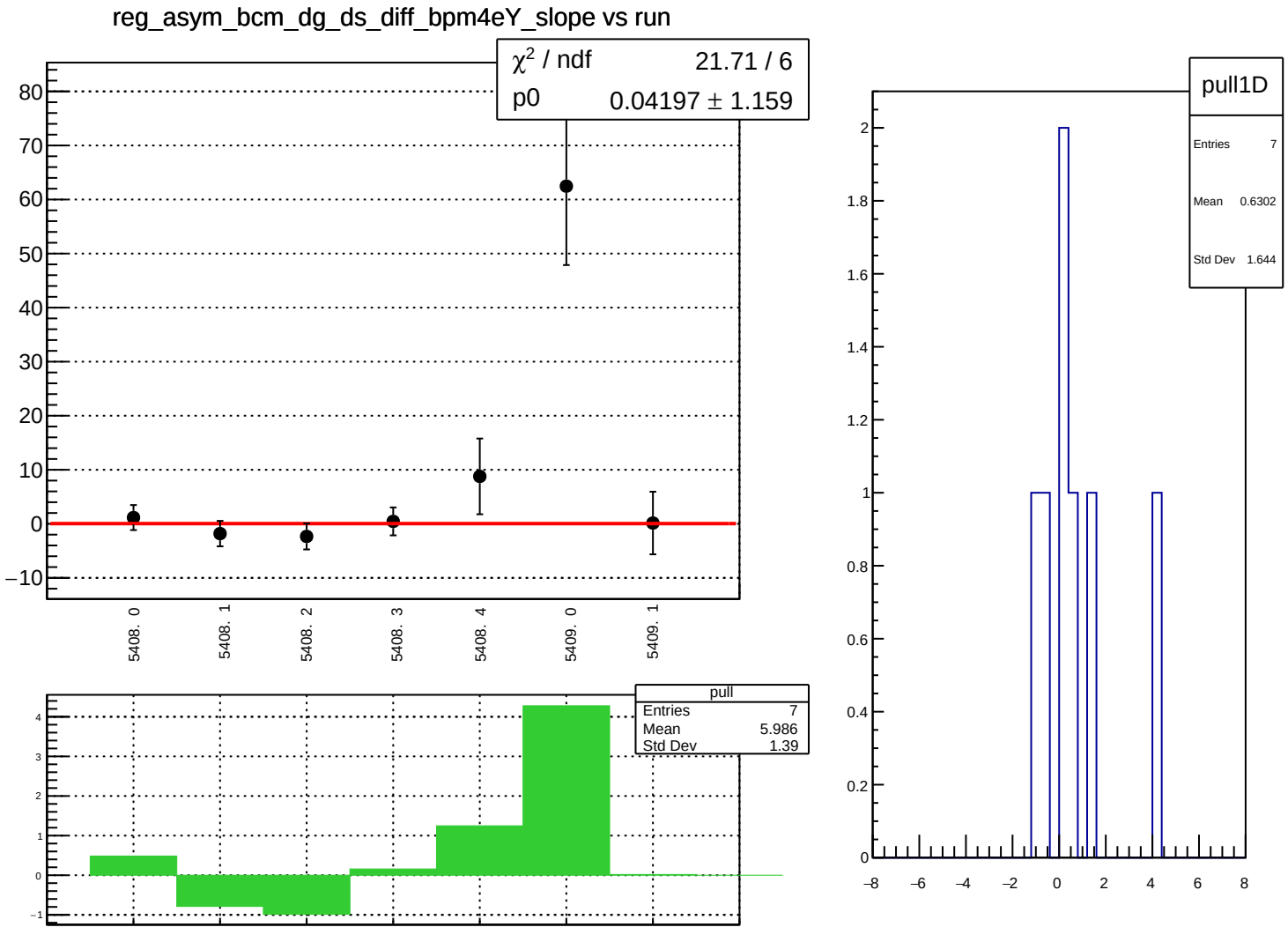

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 76.51 / 6
p0 0.2927 ± 0.03477
3.5
3
2.5
2
1.5
1
0.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.737
Std Dev 2.09
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.433
Std Dev 2.979
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

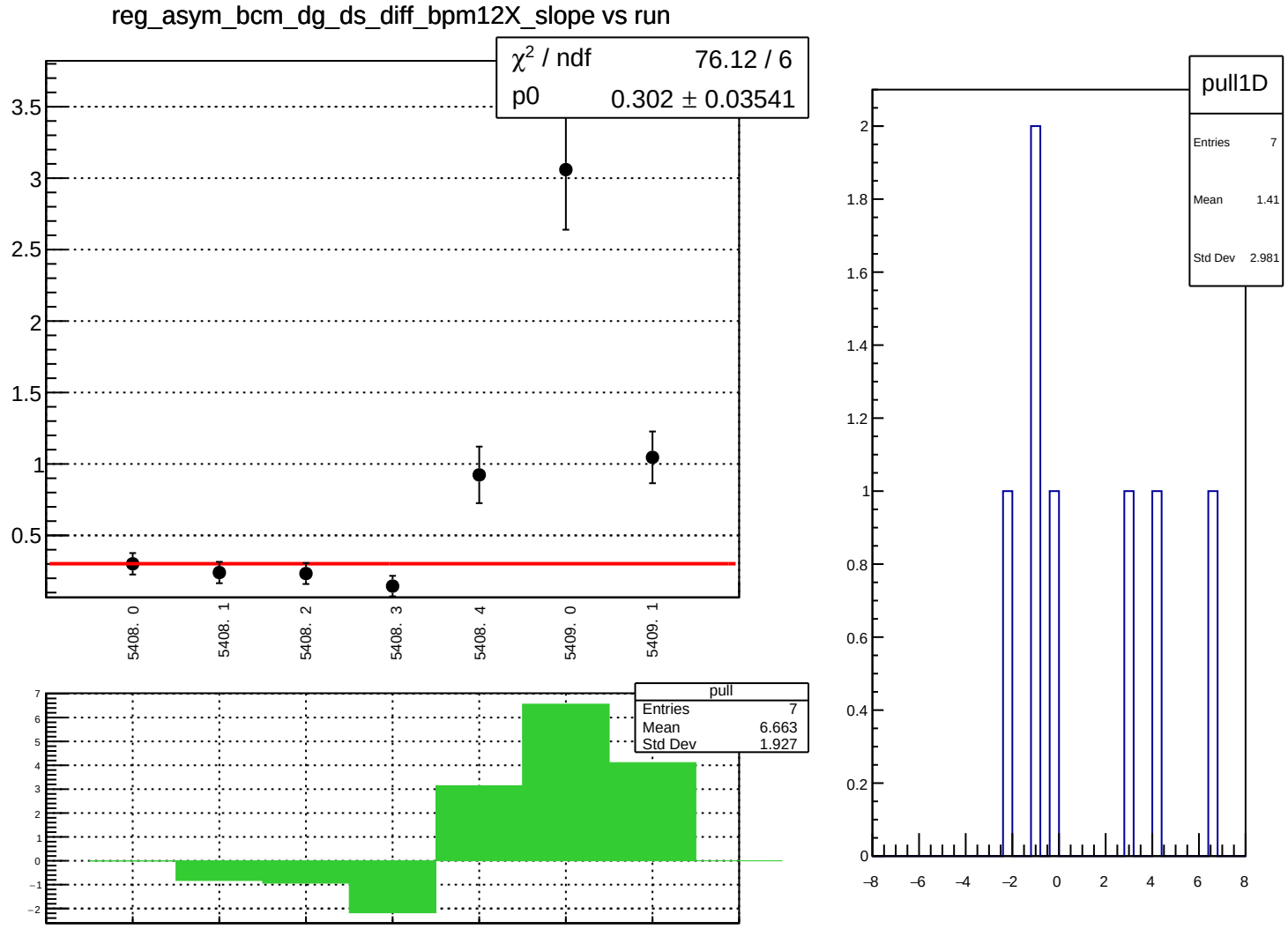

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 63.57 / 6
p0 2.365 ± 1.073
120
100
80
60
40
20
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.905
Std Dev 2.576
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.245
Std Dev 2.744
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

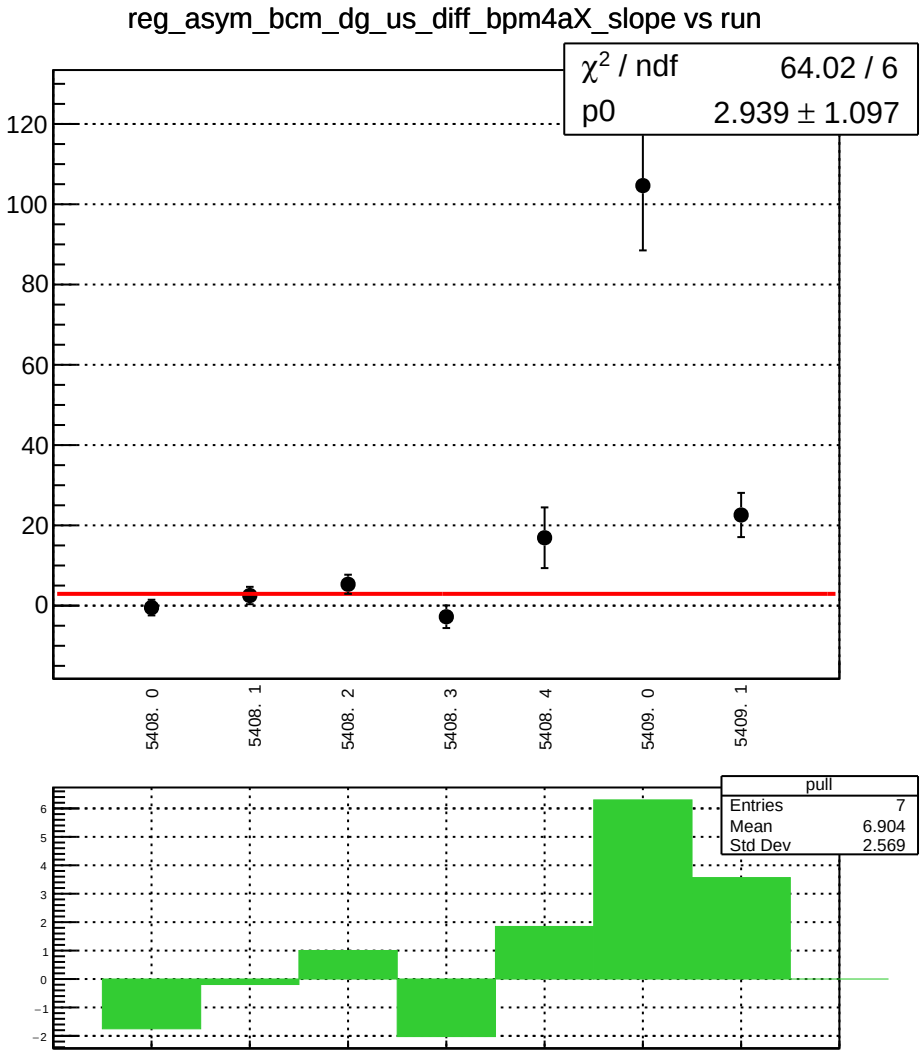

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 24.46 / 6
p0 −2.262 ± 1.011
0
−10
−20
−30
−40
−50
−60
−70
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.095
Std Dev 1.518
1
0
−1
−2
−3
−4

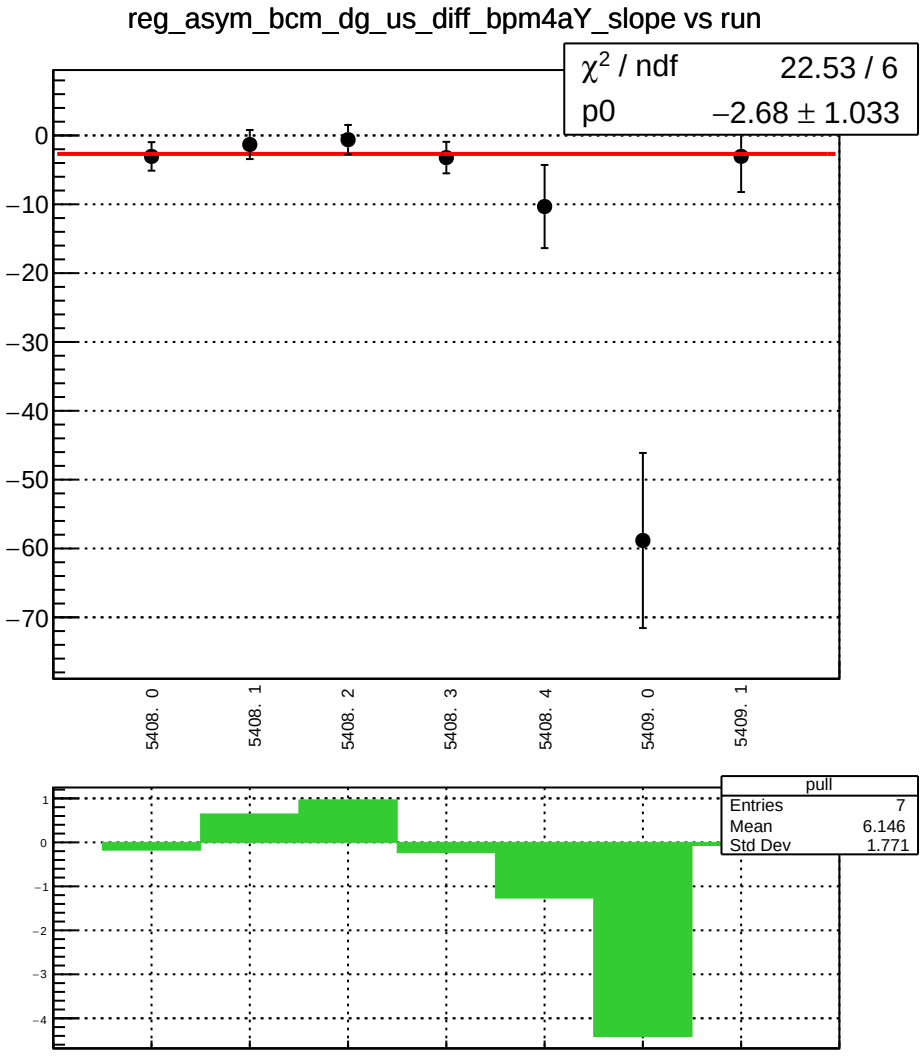

pull1D
Entries 7
Mean −0.693
Std Dev 1.736
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

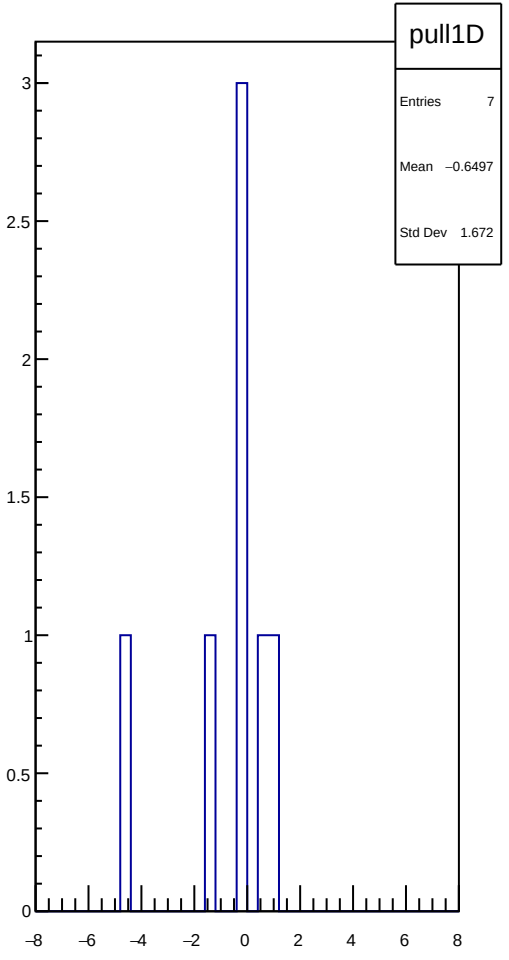

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 63.64 / 6
p0 −2.196 ± 1.054
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.91
Std Dev 2.586
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 7
Mean −1.248
Std Dev 2.745
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

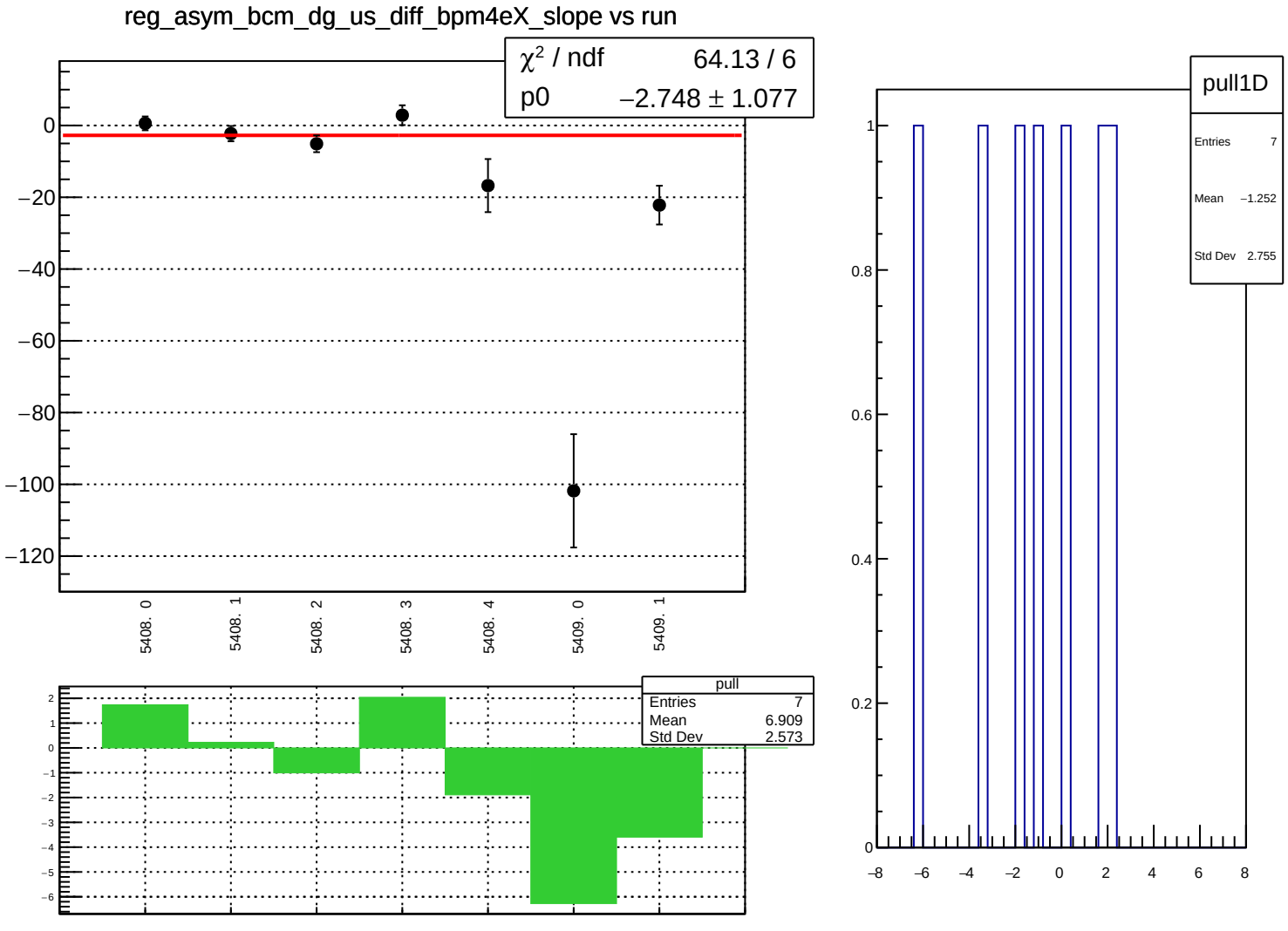

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 21.71 / 6
p0 0.04197 ± 1.159
80
70
60
50
40
30
20
10
0
−10
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 5.986
Std Dev 1.39
4
3
2
1
0
−1
pull1D
Entries 7
Mean 0.6302
Std Dev 1.644
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

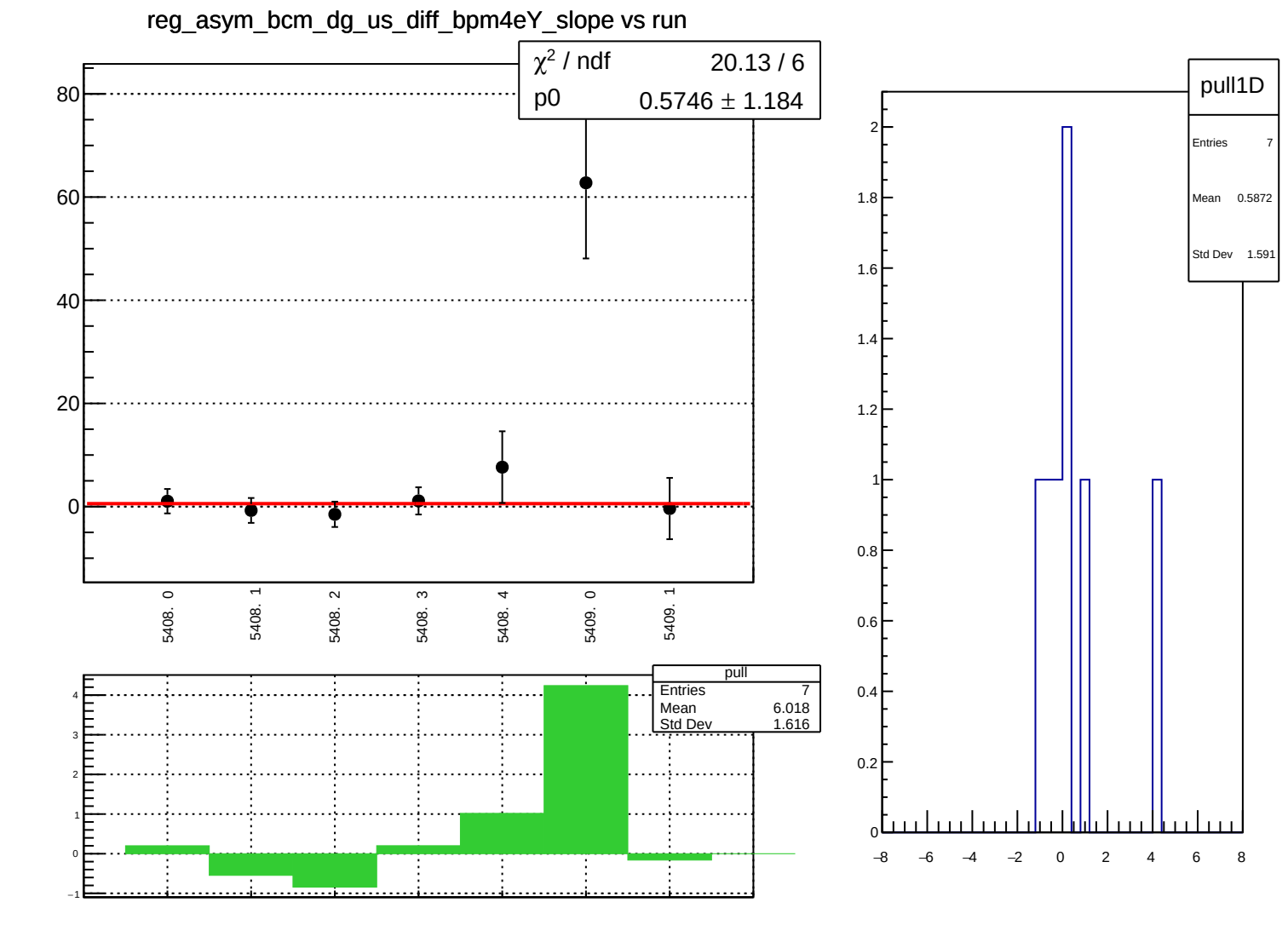

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 76.12 / 6
p0 0.302 ± 0.03541
3.5
3
2.5
2
1.5
1
0.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.663
Std Dev 1.927
7
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.41
Std Dev 2.981
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

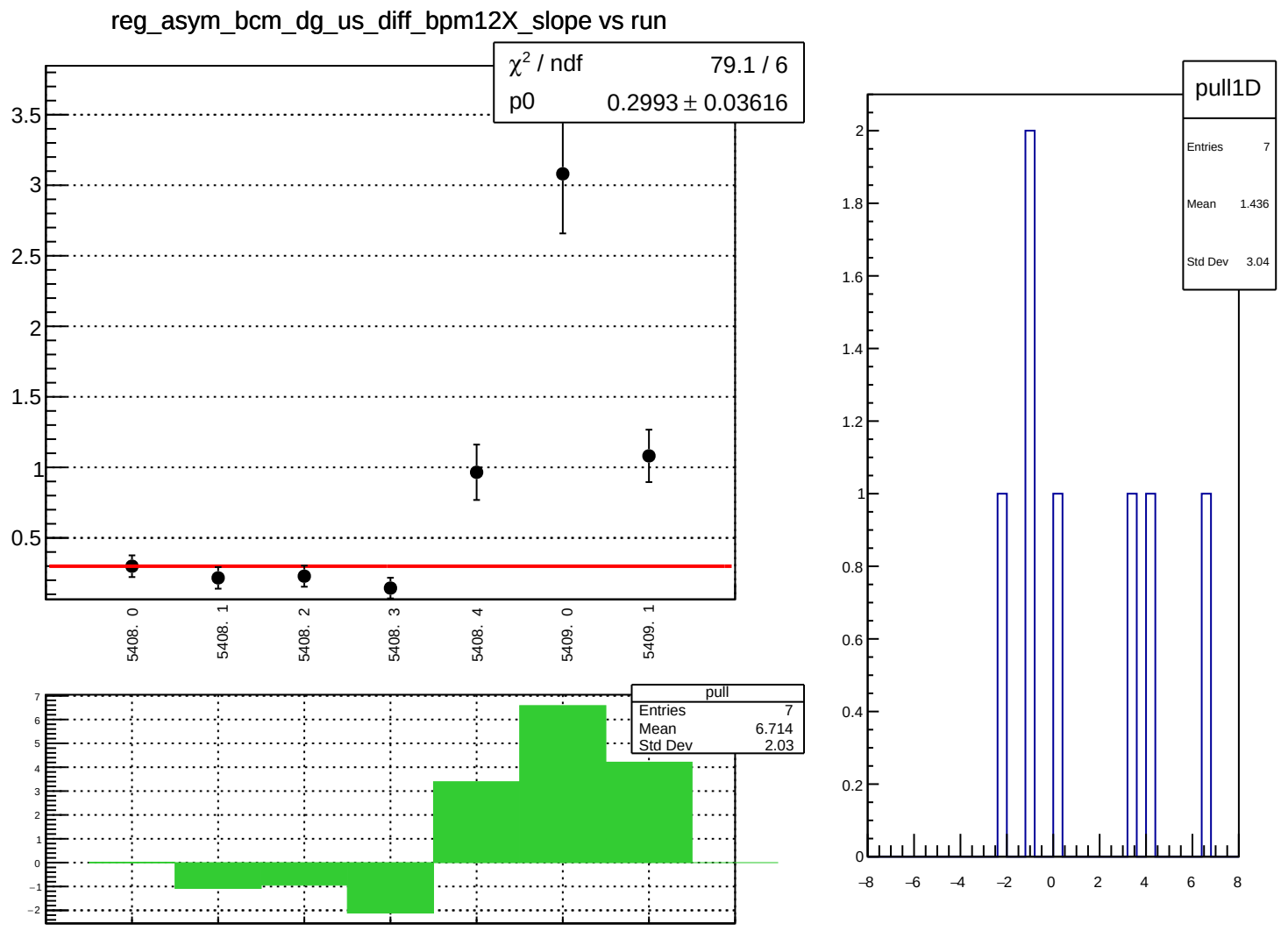

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 64.02 / 6
p0 2.939 ± 1.097
120
100
80
60
40
20
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.904
Std Dev 2.569
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 7
Mean 1.25
Std Dev 2.754
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 22.53 / 6
p0 −2.68 ± 1.033
0
−10
−20
−30
−40
−50
−60
−70
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.146
Std Dev 1.771
1
0
−1
−2
−3
−4


pull1D
Entries 7
Mean −0.6497
Std Dev 1.672
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 64.13 / 6
p0 −2.748 ± 1.077
0
−20
−40
−60
−80
−100
−120
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.909
Std Dev 2.573
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 7
Mean −1.252
Std Dev 2.755
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 20.13 / 6
p0 0.5746 ± 1.184
80
60
40
20
0
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.018
Std Dev 1.616
4
3
2
1
0
−1
pull1D
Entries 7
Mean 0.5872
Std Dev 1.591
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_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 79.1 / 6
p0 0.2993 ± 0.03616
3.5
3
2.5
2
1.5
1
0.5
5408. 0
5408. 1
5408. 2
5408. 3
5408. 4
5409. 0
5409. 1
pull
Entries 7
Mean 6.714
Std Dev 2.03
pull1D
Entries 7
Mean 1.436
Std Dev 3.04