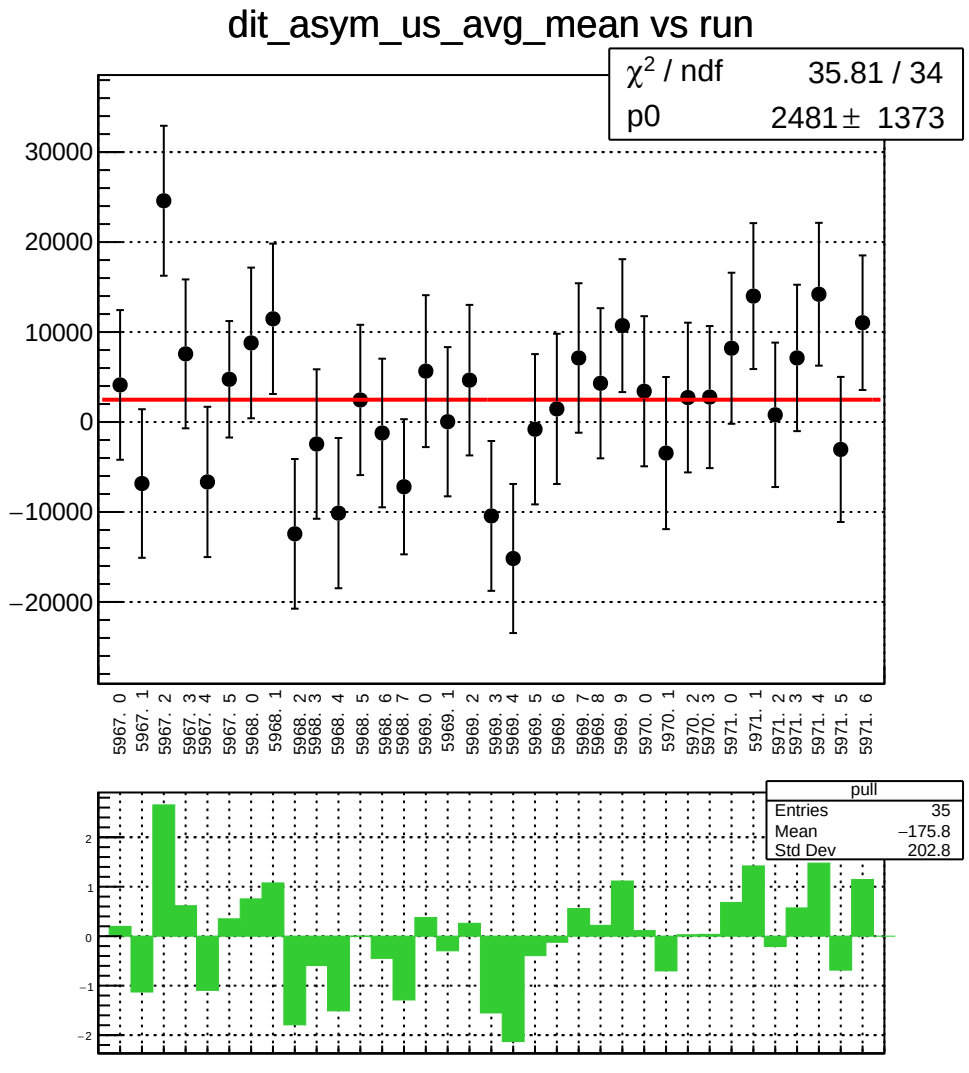
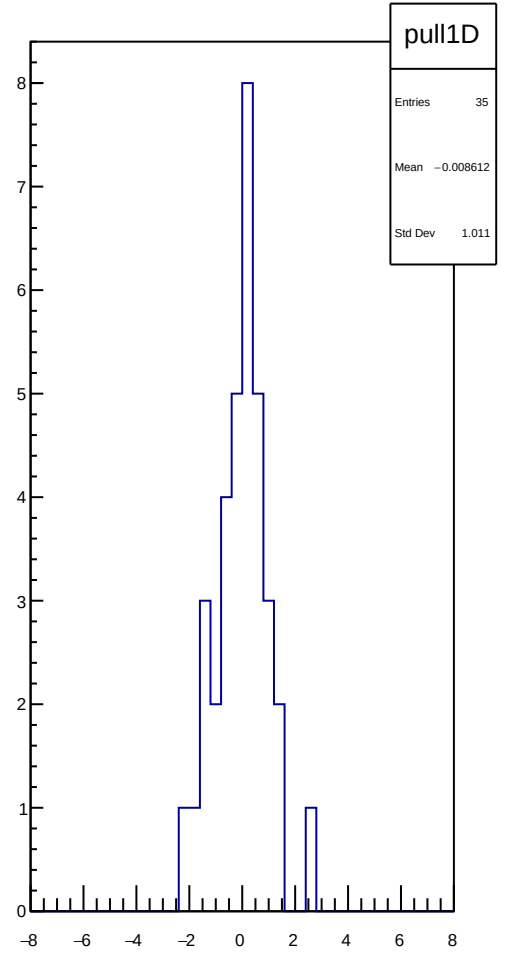
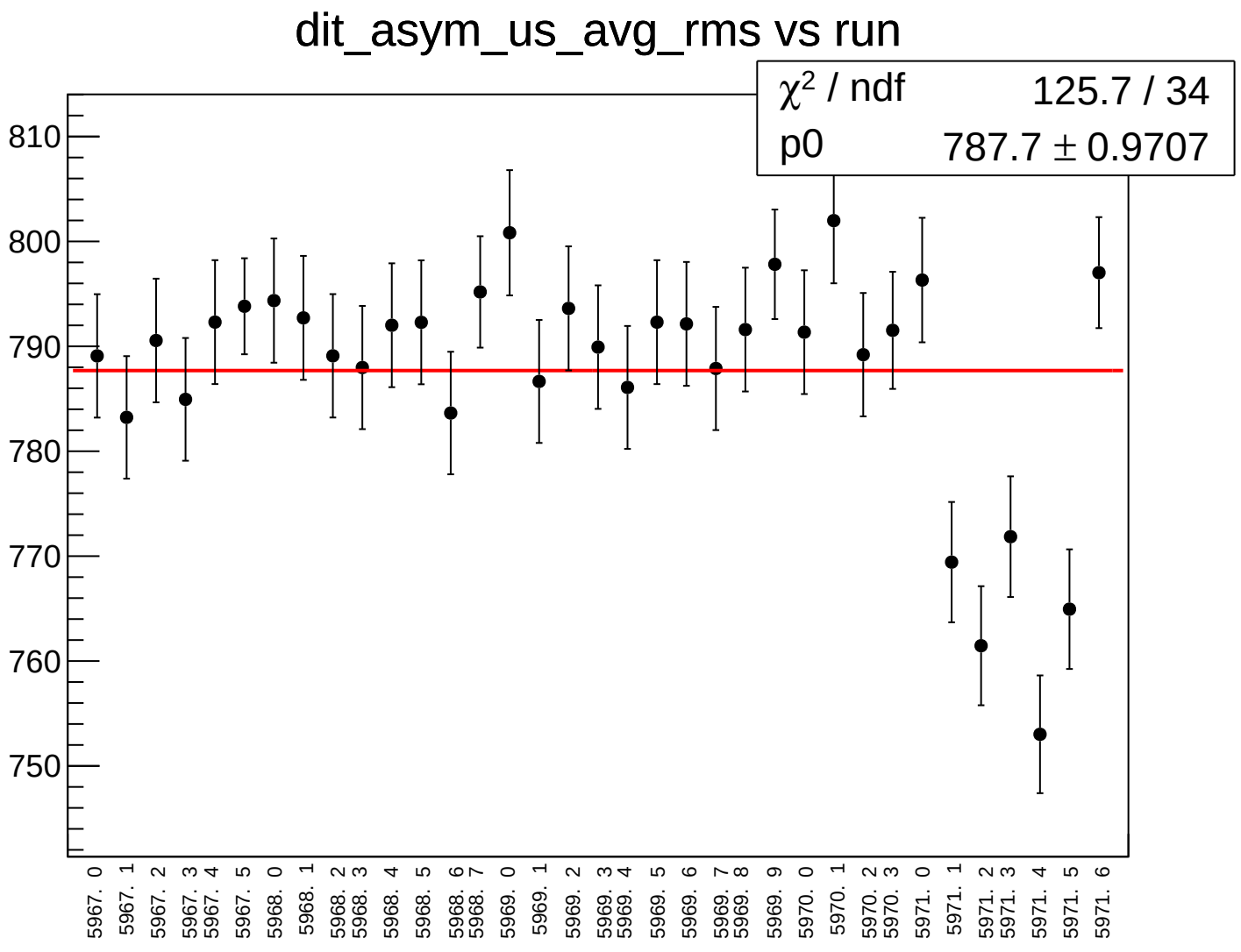
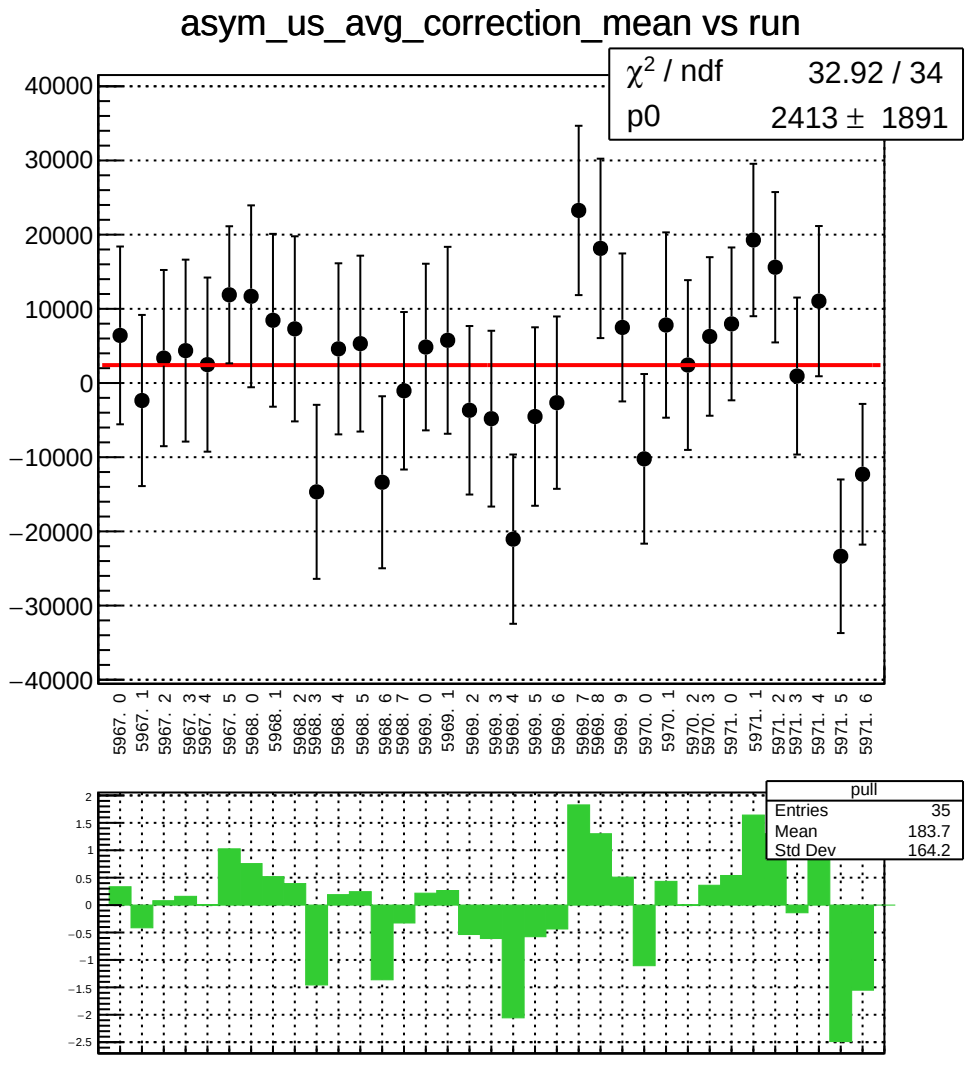
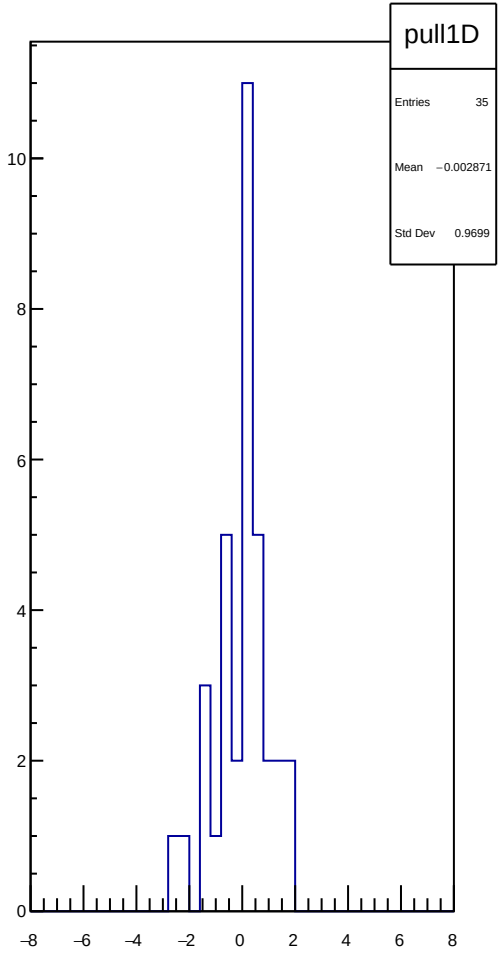
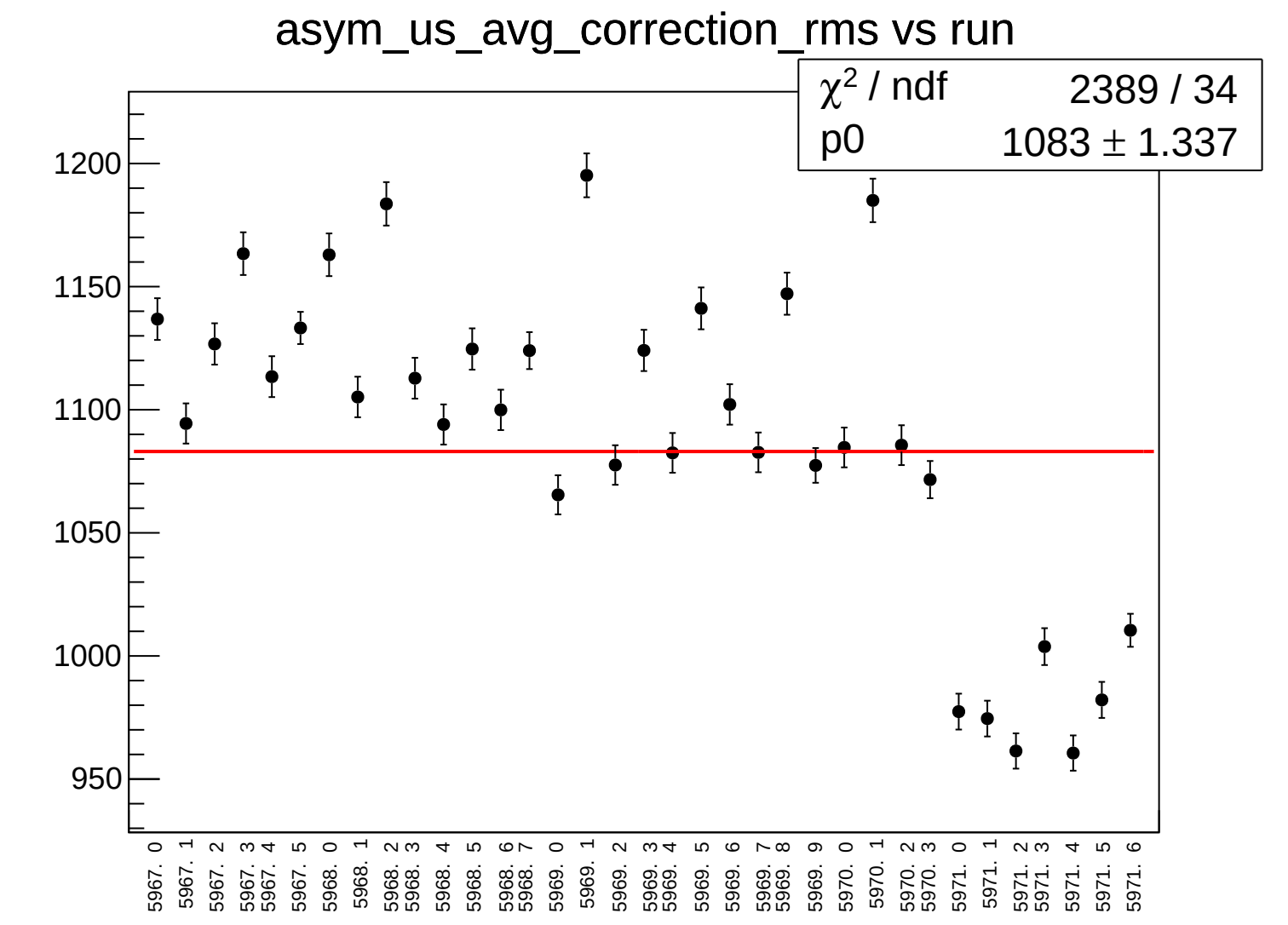

dit_asym_us_avg_mean vs run
χ² / ndf 35.81 / 34
p0 2481 ± 1373
30000
20000
10000
0
−10000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −175.8
Std Dev 202.8
2
1
0
−1
−2

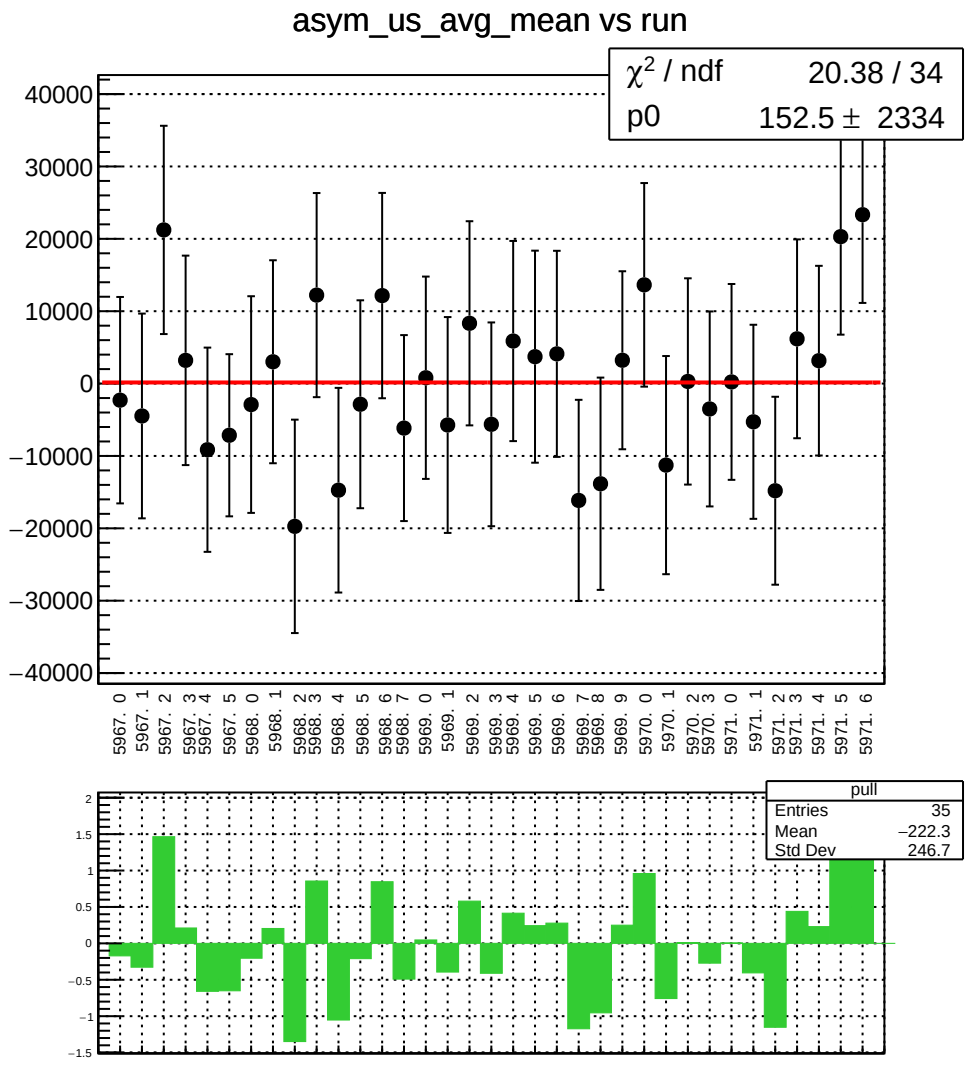

pull1D
Entries 35
Mean −0.008612
Std Dev 1.011
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

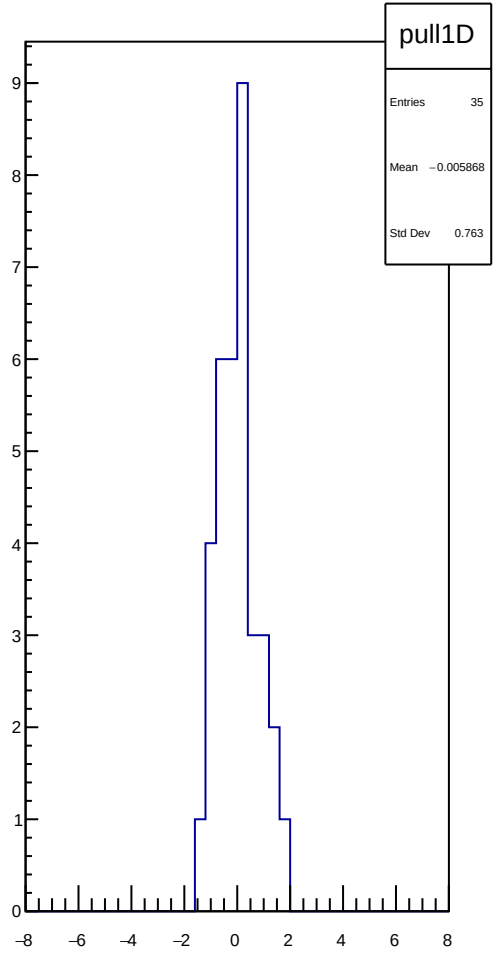

dit_asym_us_avg_rms vs run
χ² / ndf 125.7 / 34
p0 787.7 ± 0.9707
810
800
790
780
770
760
750
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

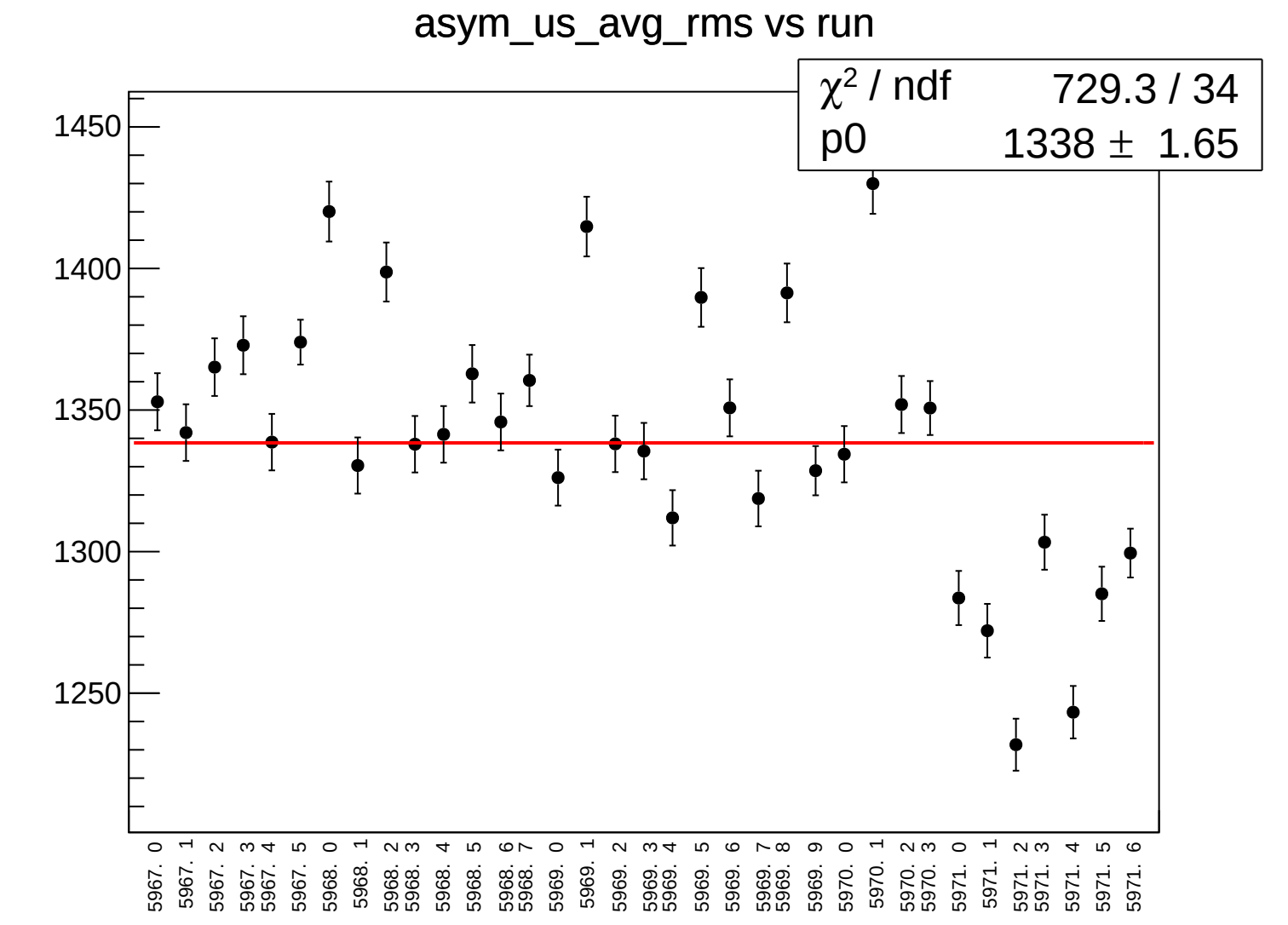

asym_us_avg_correction_mean vs run
χ² / ndf 32.92 / 34
p0 2413 ± 1891
pull
Entries 35
Mean 183.7
Std Dev 164.2

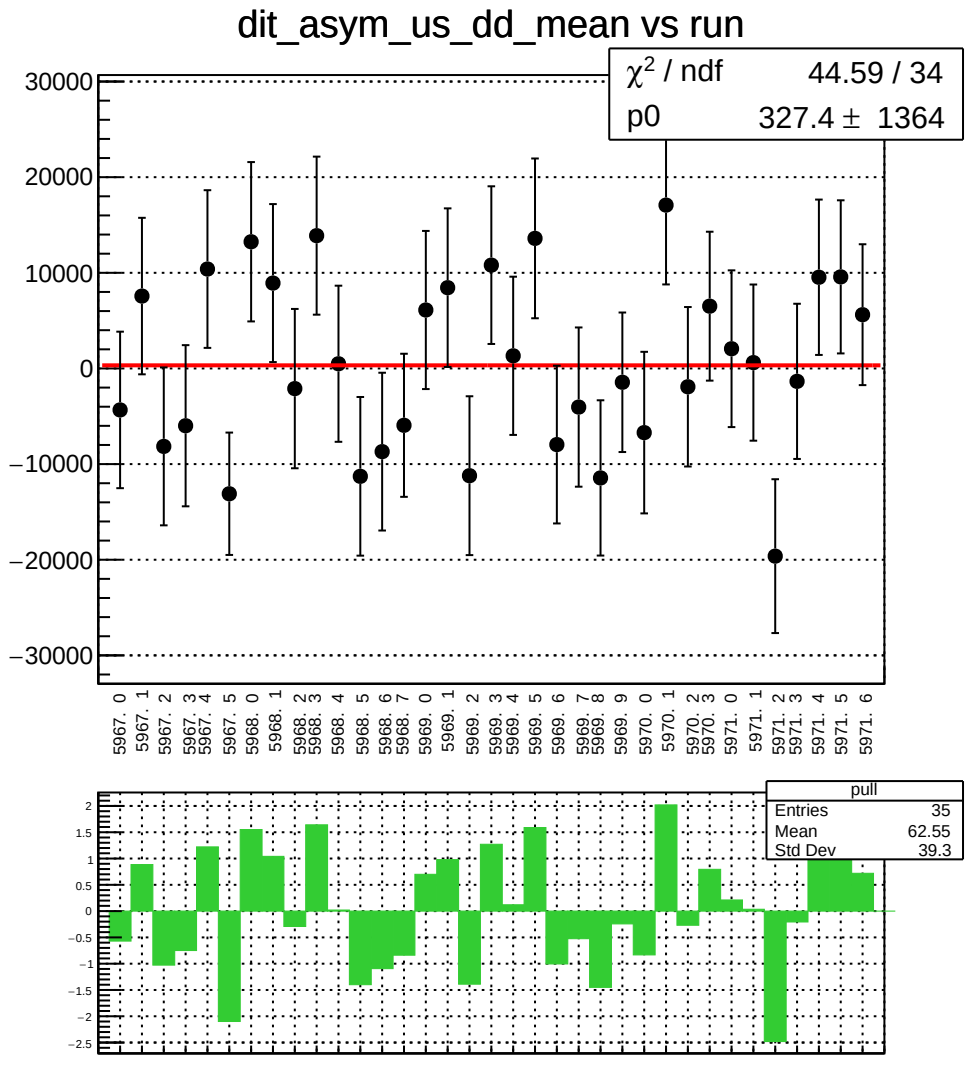

pull1D
Entries 35
Mean −0.002871
Std Dev 0.9699

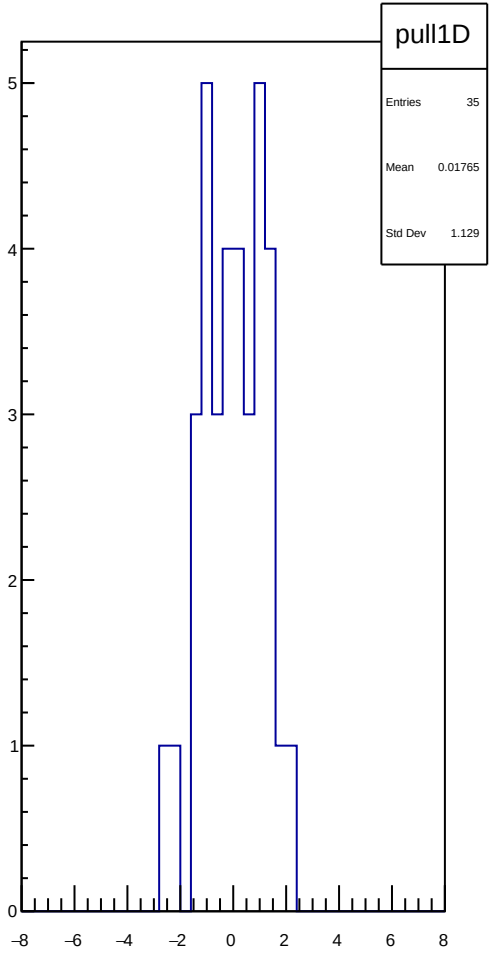

asym_us_avg_correction_rms vs run
χ² / ndf 2389 / 34
p0 1083 ± 1.337
1200
1150
1100
1050
1000
950
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

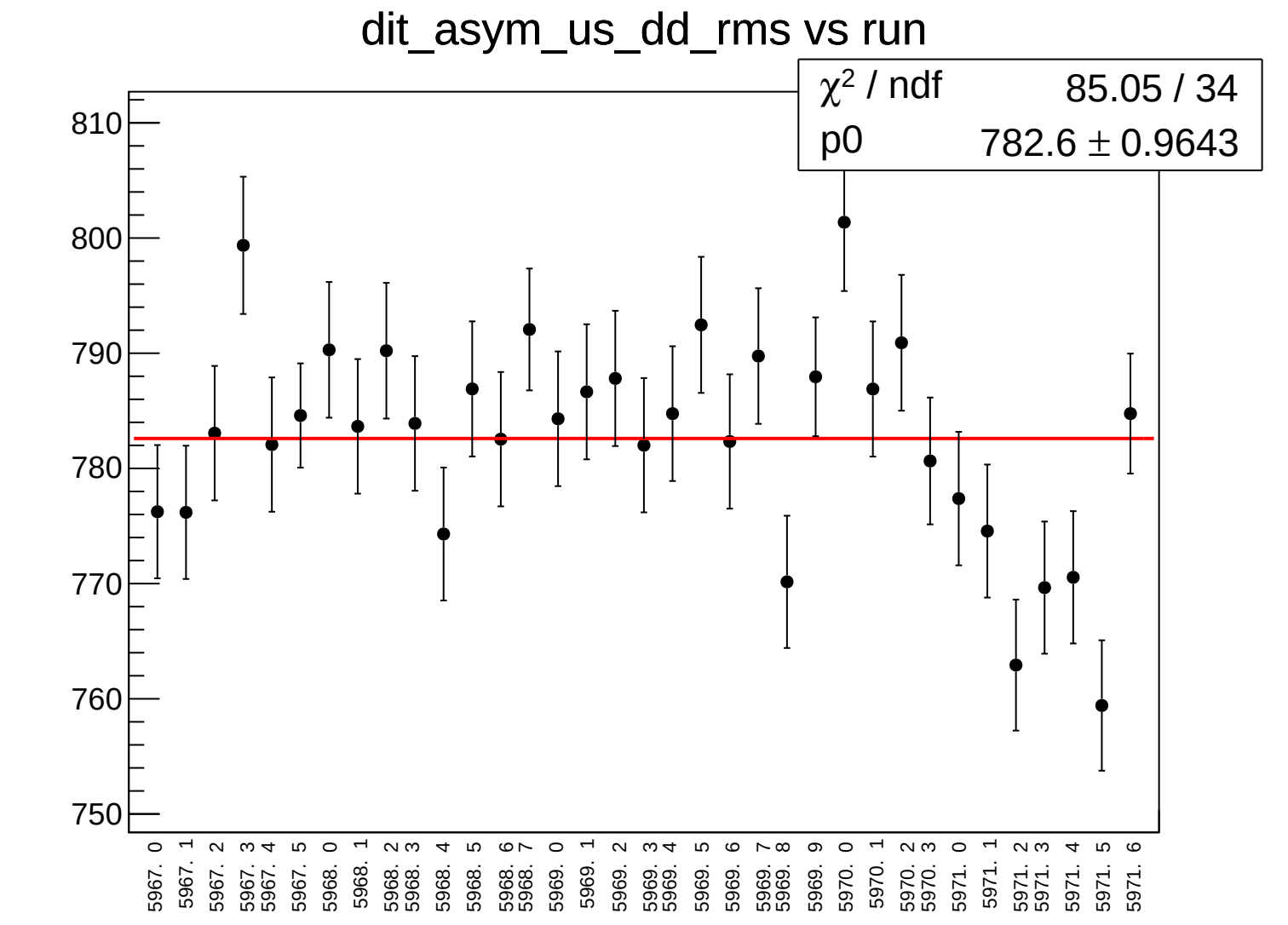

asym_us_avg_mean vs run
χ² / ndf 20.38 / 34
p0 152.5 ± 2334
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −222.3
Std Dev 246.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

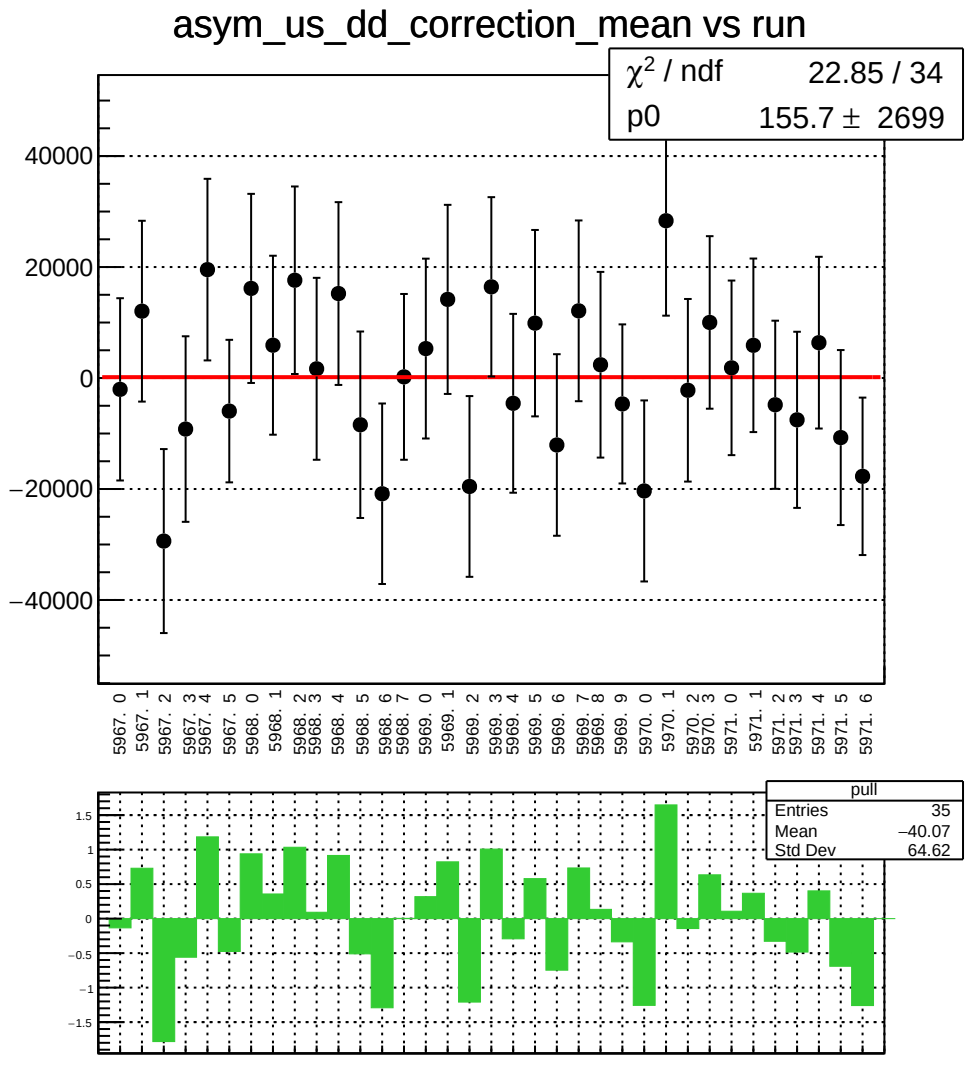

pull1D
Entries 35
Mean −0.005868
Std Dev 0.763
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

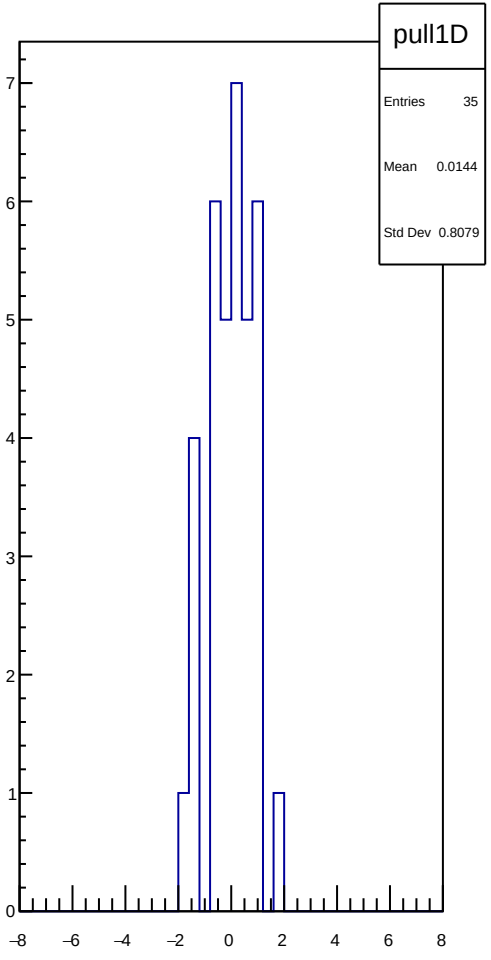

asym_us_avg_rms vs run
χ² / ndf 729.3 / 34
p0 1338 ± 1.65
1450
1400
1350
1300
1250
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

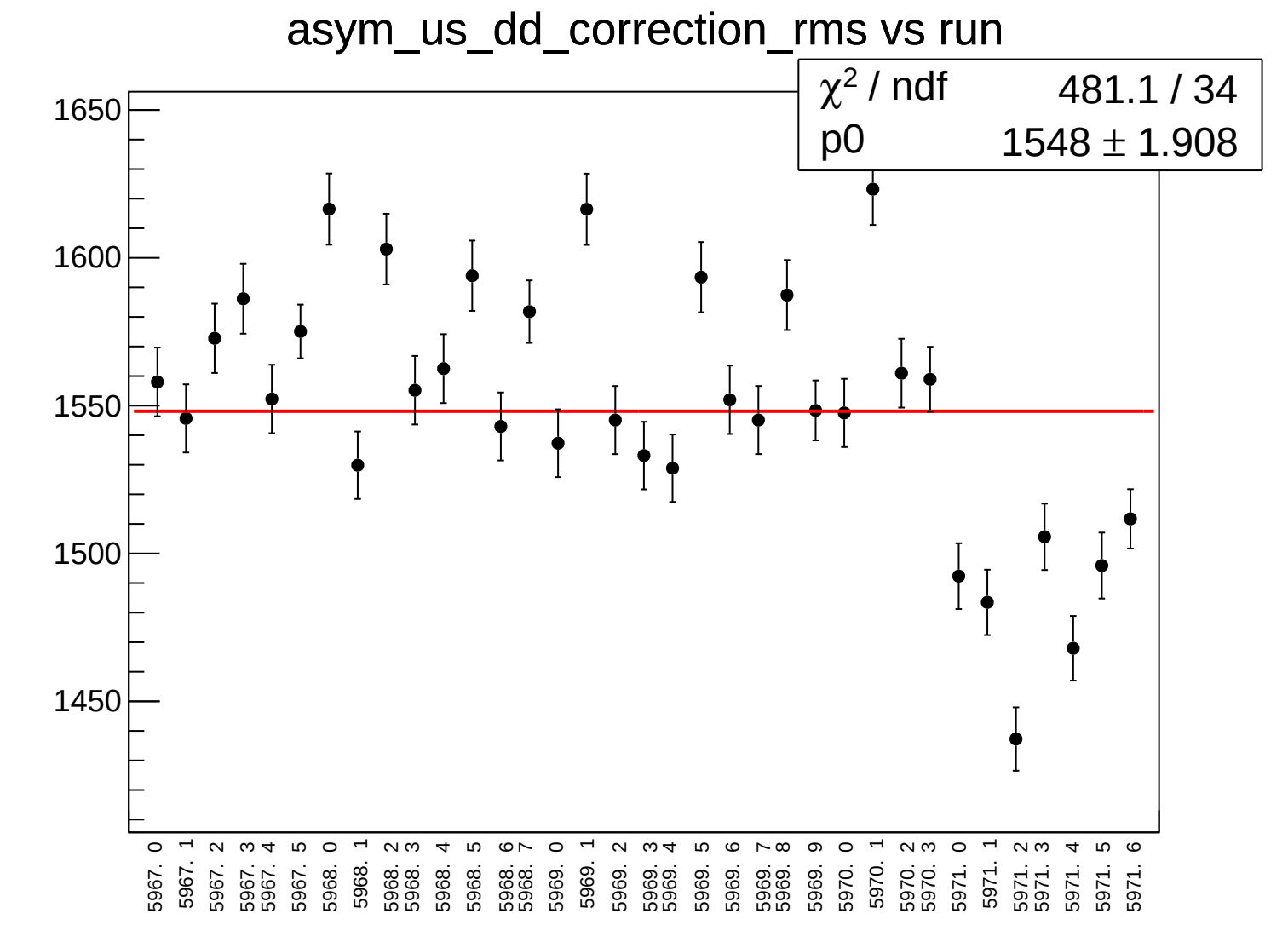

dit_asym_us_dd_mean vs run
χ² / ndf 44.59 / 34
p0 327.4 ± 1364
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 62.55
Std Dev 39.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

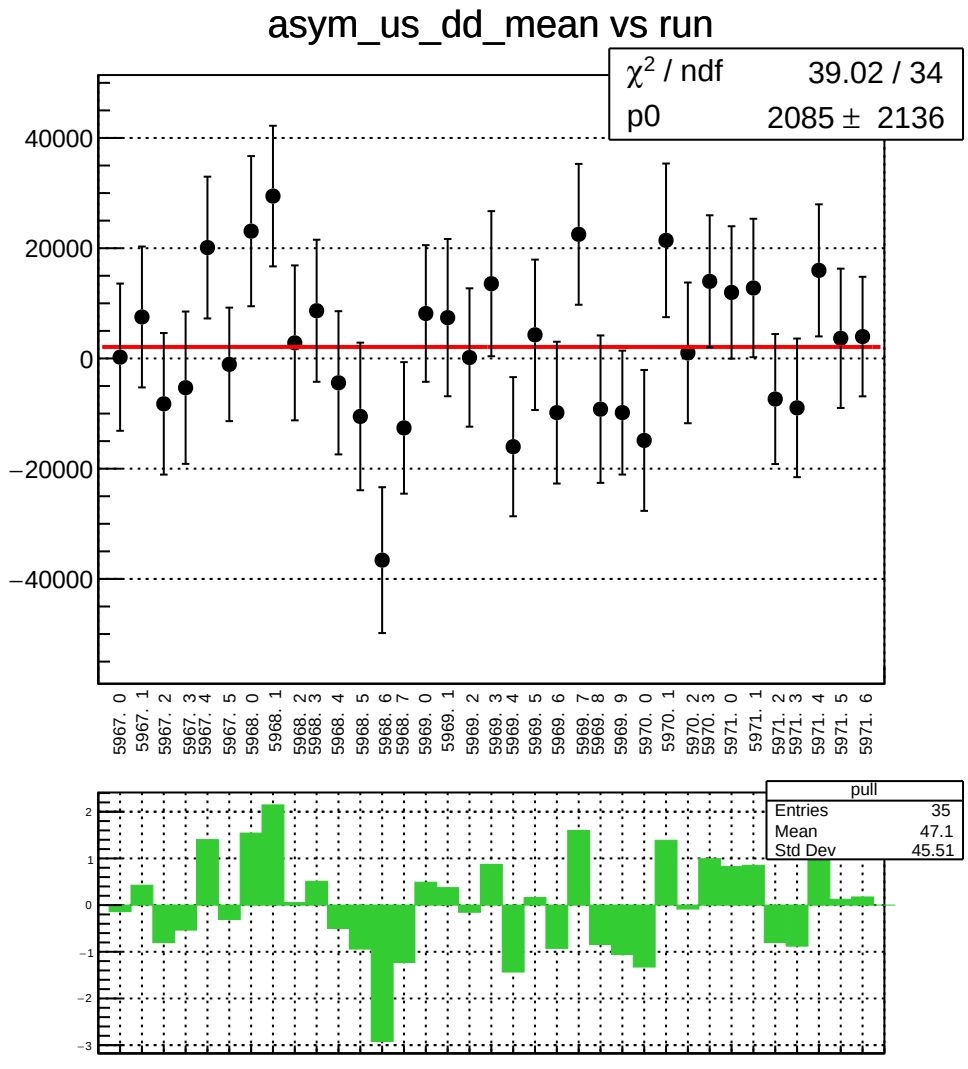

pull1D
Entries 35
Mean 0.01765
Std Dev 1.129
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

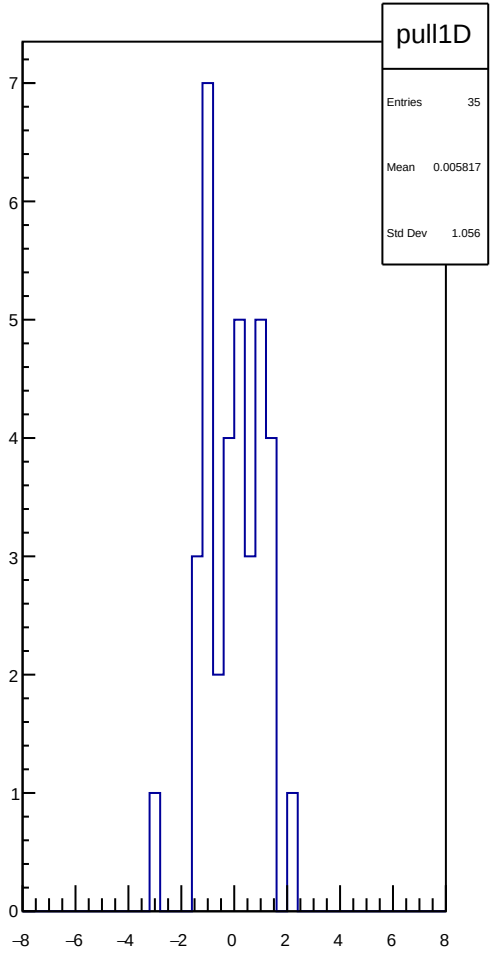

dit_asym_us_dd_rms vs run
χ² / ndf 85.05 / 34
p0 782.6 ± 0.9643
810
800
790
780
770
760
750
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

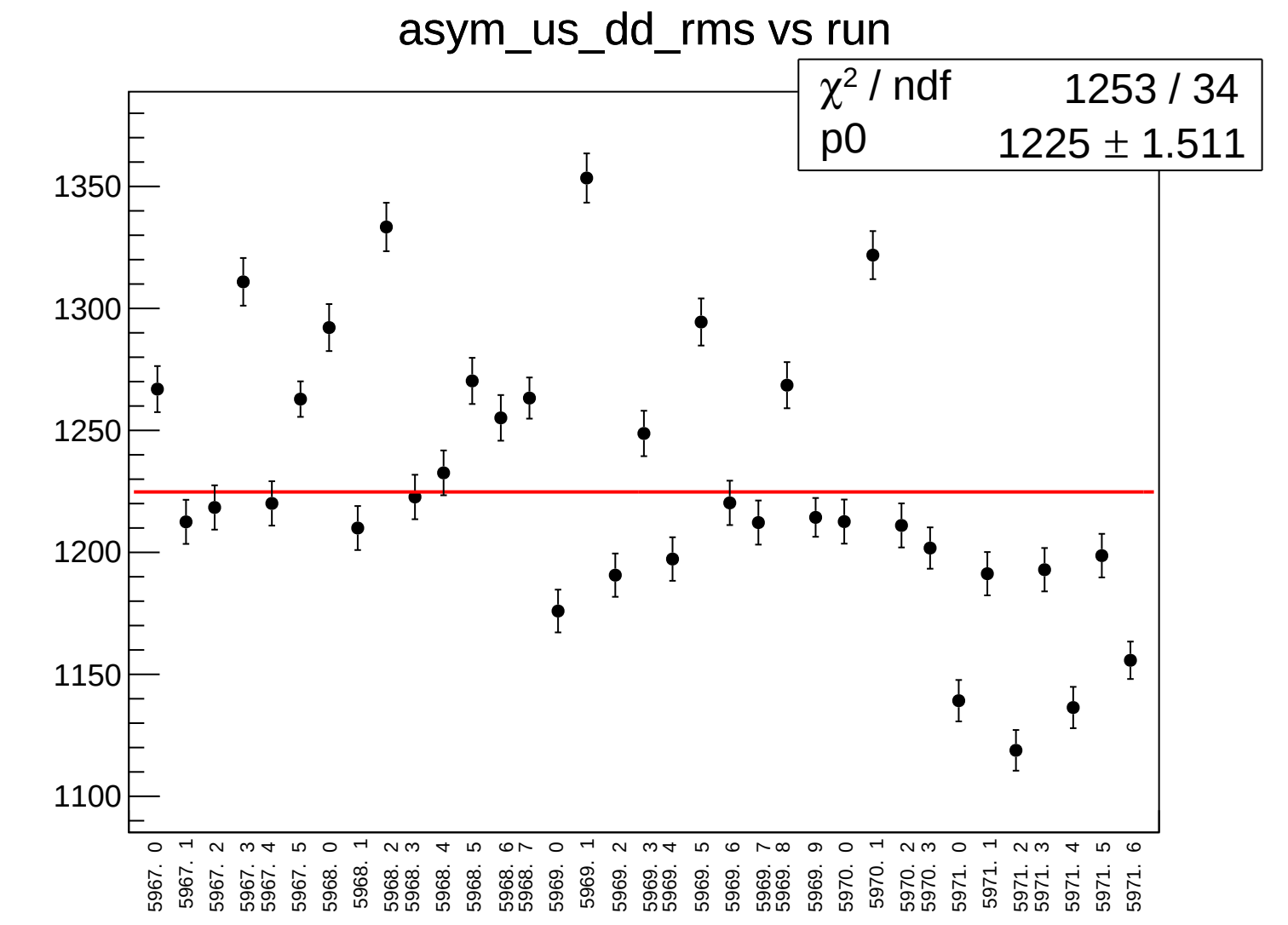

asym_us_dd_correction_mean vs run
χ² / ndf 22.85 / 34
p0 155.7 ± 2699
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −40.07
Std Dev 64.62
1.5
1
0.5
0
−0.5
−1
−1.5

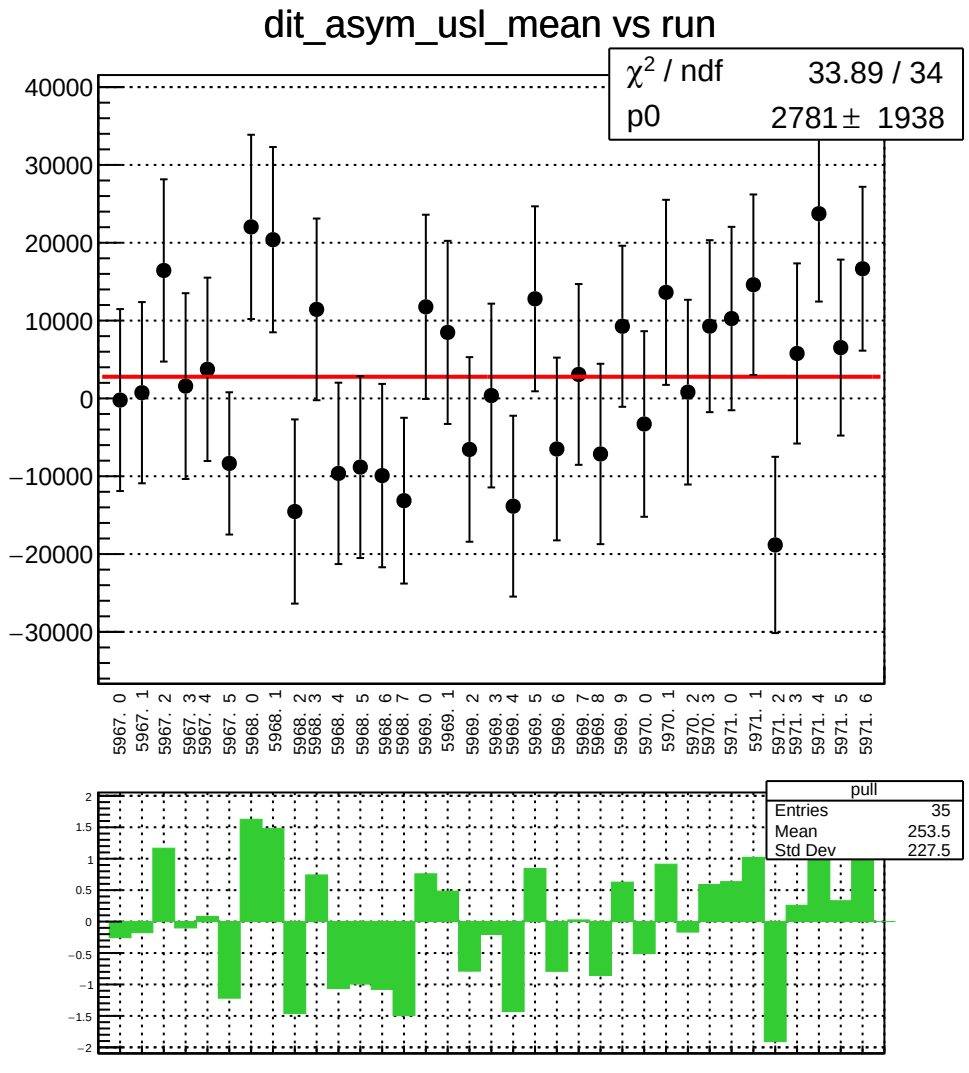

pull1D
Entries 35
Mean 0.0144
Std Dev 0.8079
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

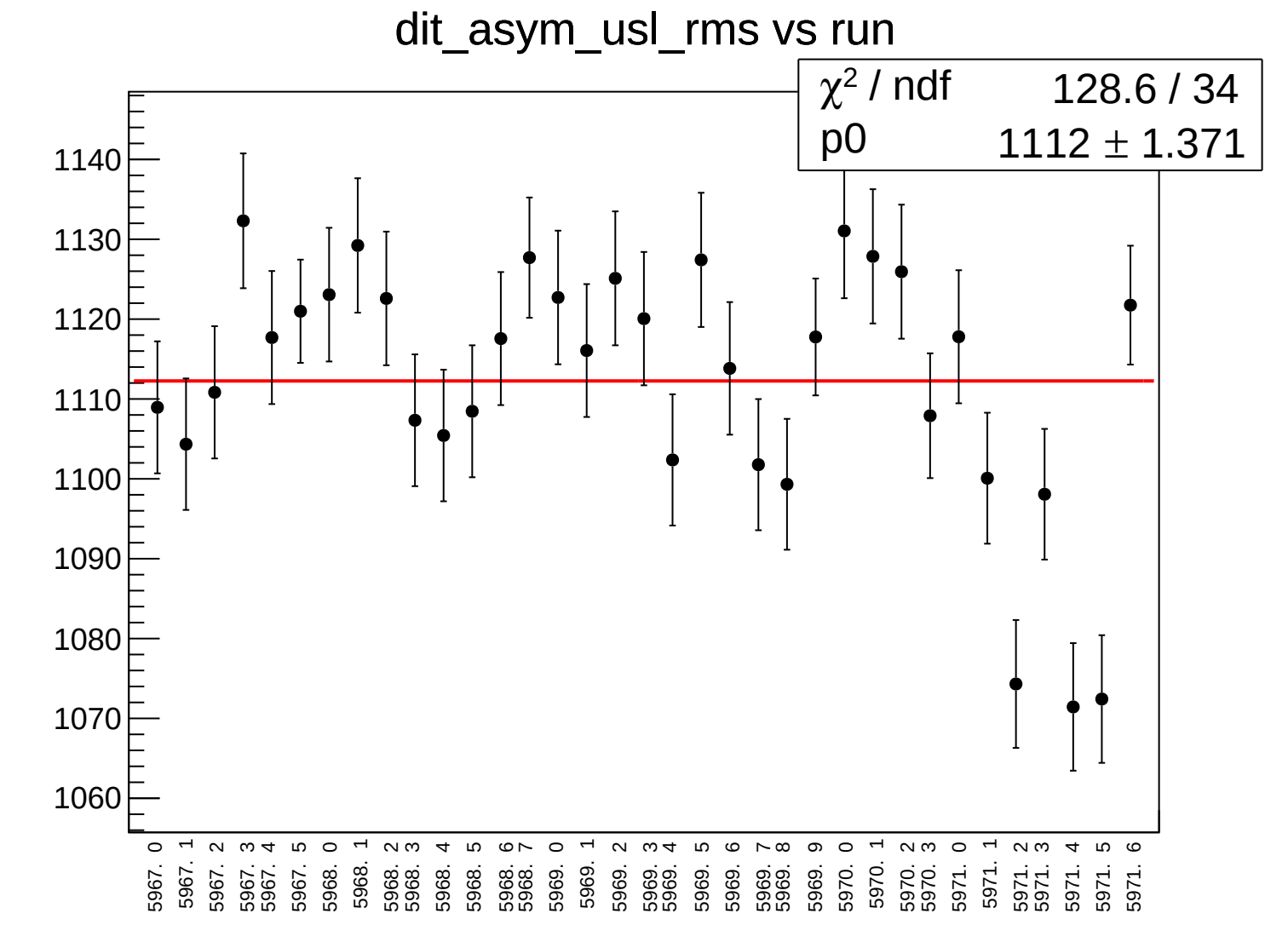

asym_us_dd_correction_rms vs run
χ² / ndf 481.1 / 34
p0 1548 ± 1.908
1650
1600
1550
1500
1450
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

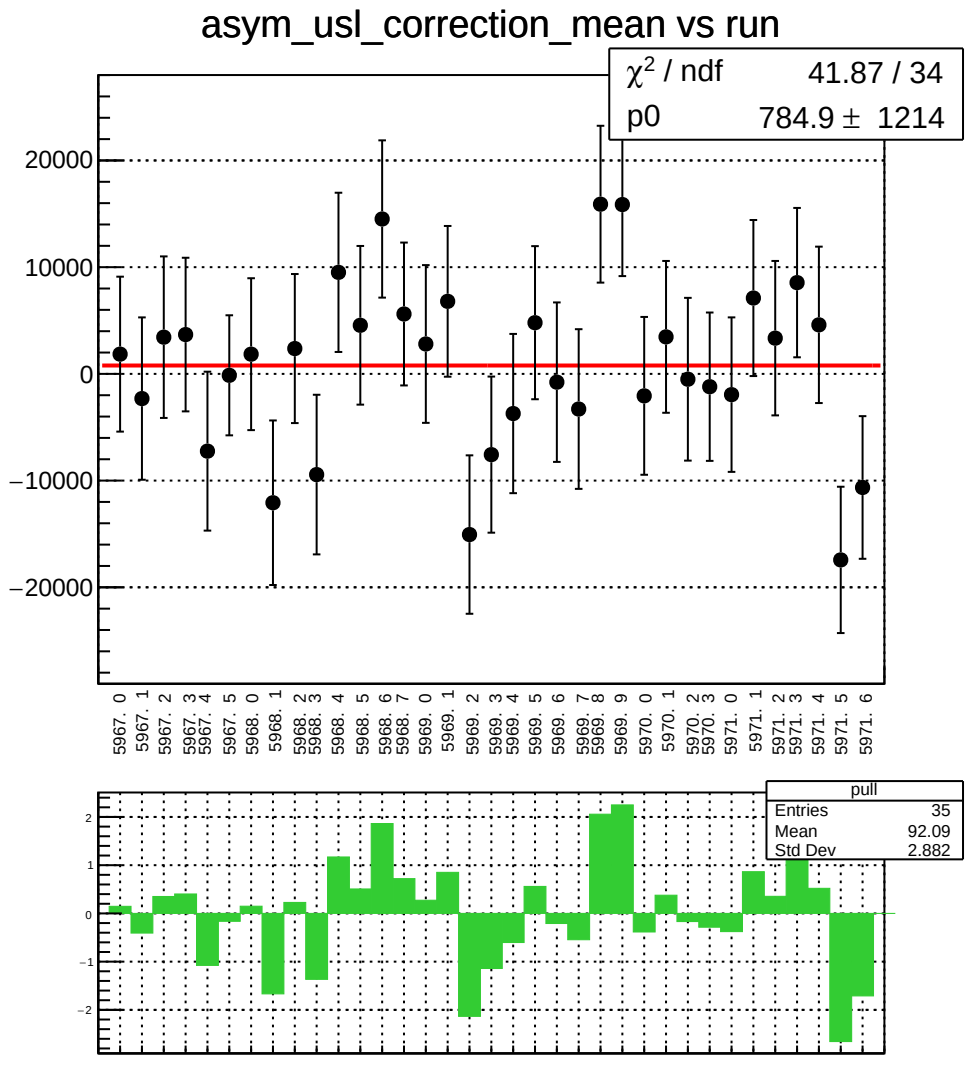

asym_us_dd_mean vs run
χ² / ndf 39.02 / 34
p0 2085 ± 2136
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 47.1
Std Dev 45.51
2
1
0
−1
−2
−3

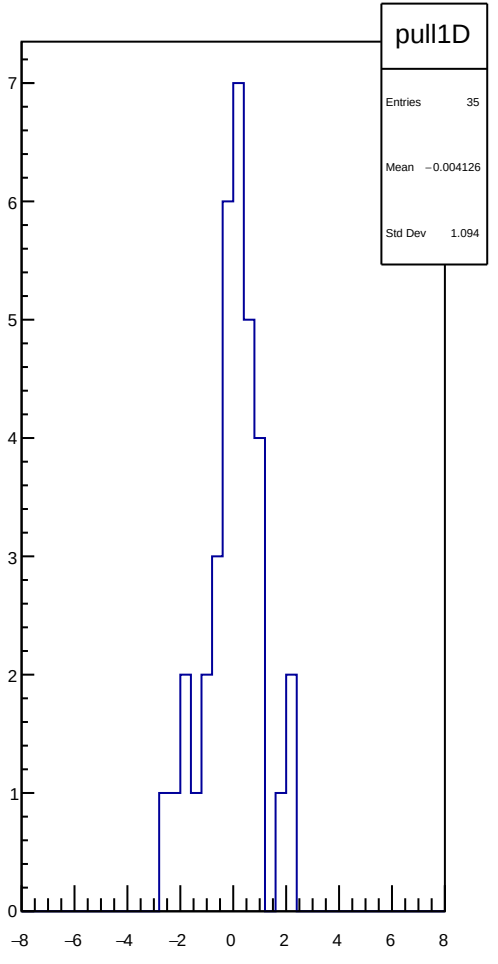

pull1D
Entries 35
Mean 0.005817
Std Dev 1.056
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

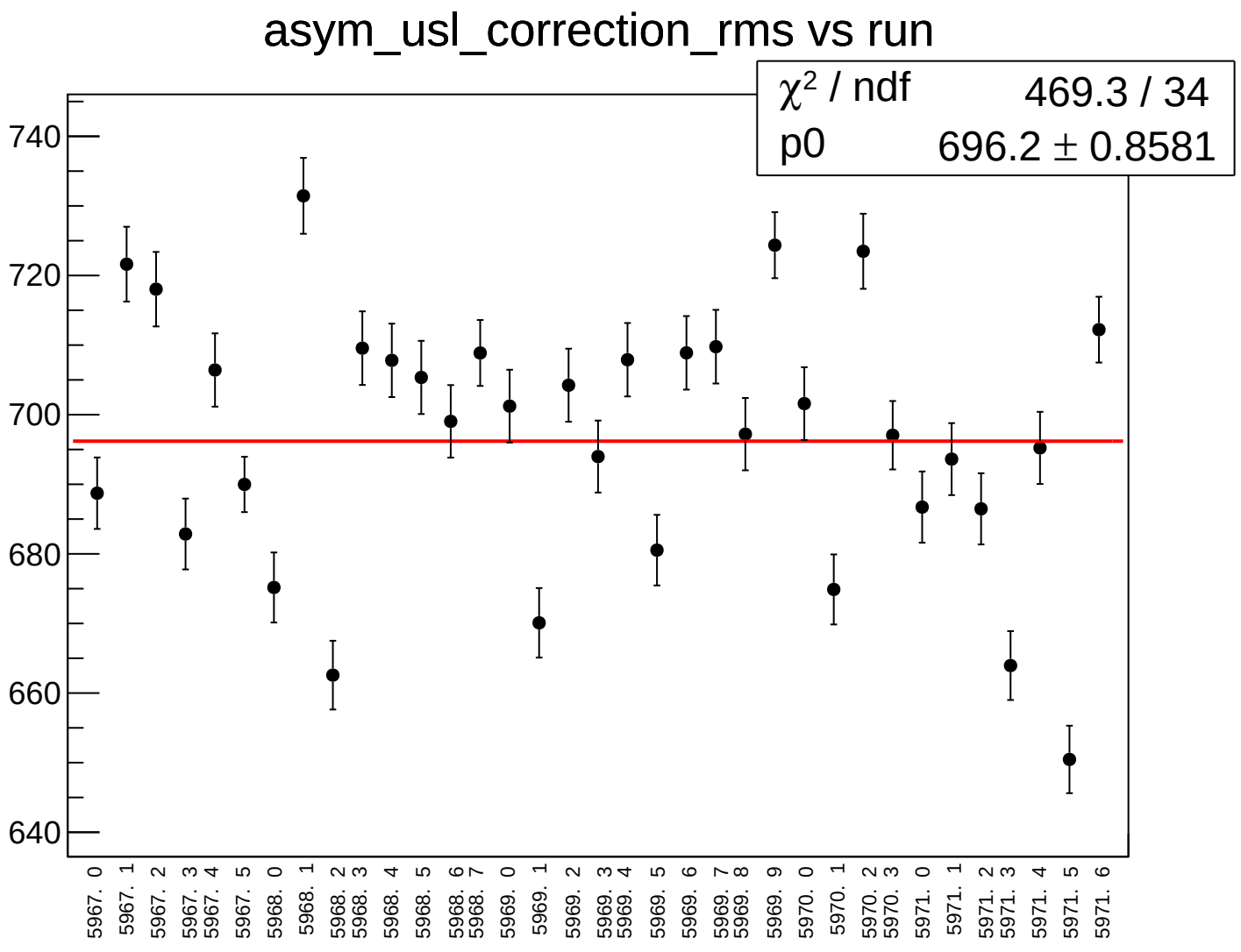

asym_us_dd_rms vs run
χ² / ndf 1253 / 34
p0 1225 ± 1.511
1350
1300
1250
1200
1150
1100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

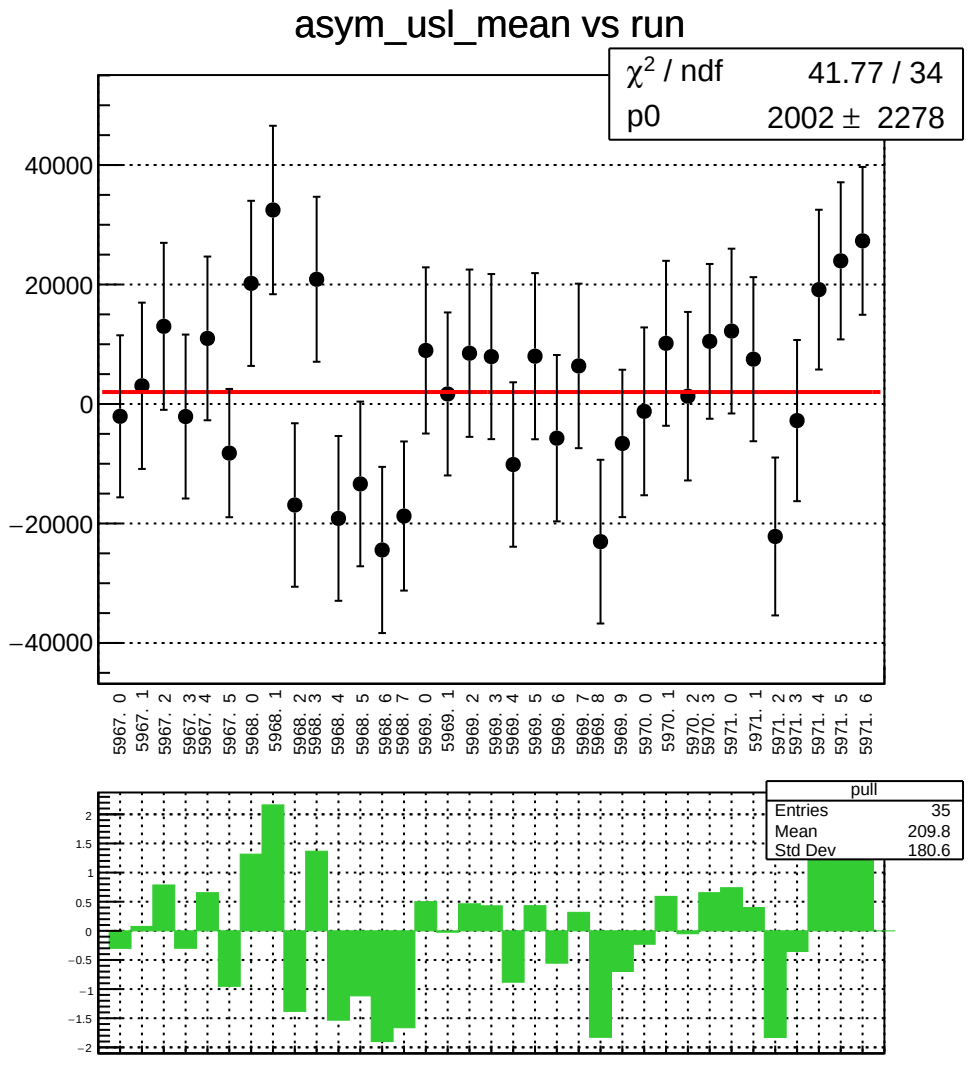

dit_asym_usl_mean vs run
χ² / ndf 33.89 / 34
p0 2781 ± 1938
40000
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 253.5
Std Dev 227.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.007347
Std Dev 0.984
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

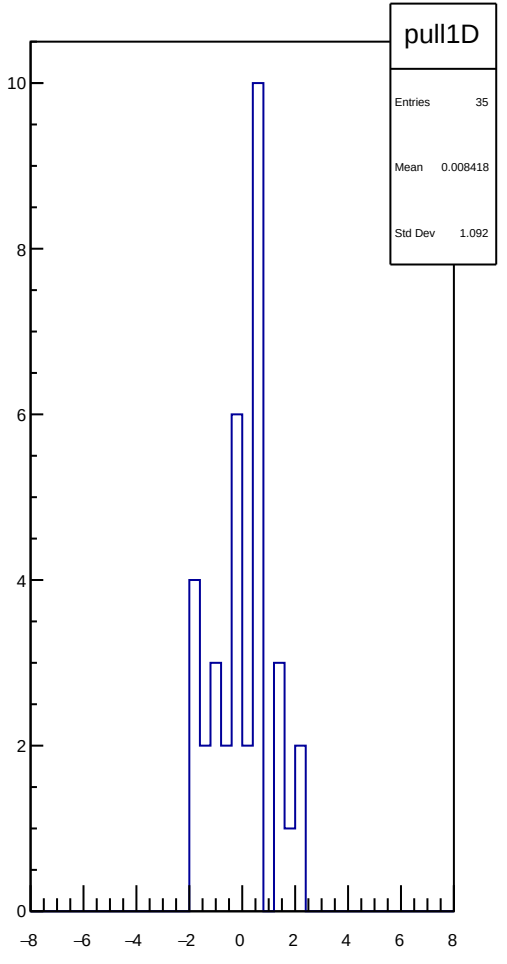

dit_asym_usl_rms vs run
χ² / ndf 128.6 / 34
p0 1112 ± 1.371
1140
1130
1120
1110
1100
1090
1080
1070
1060
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

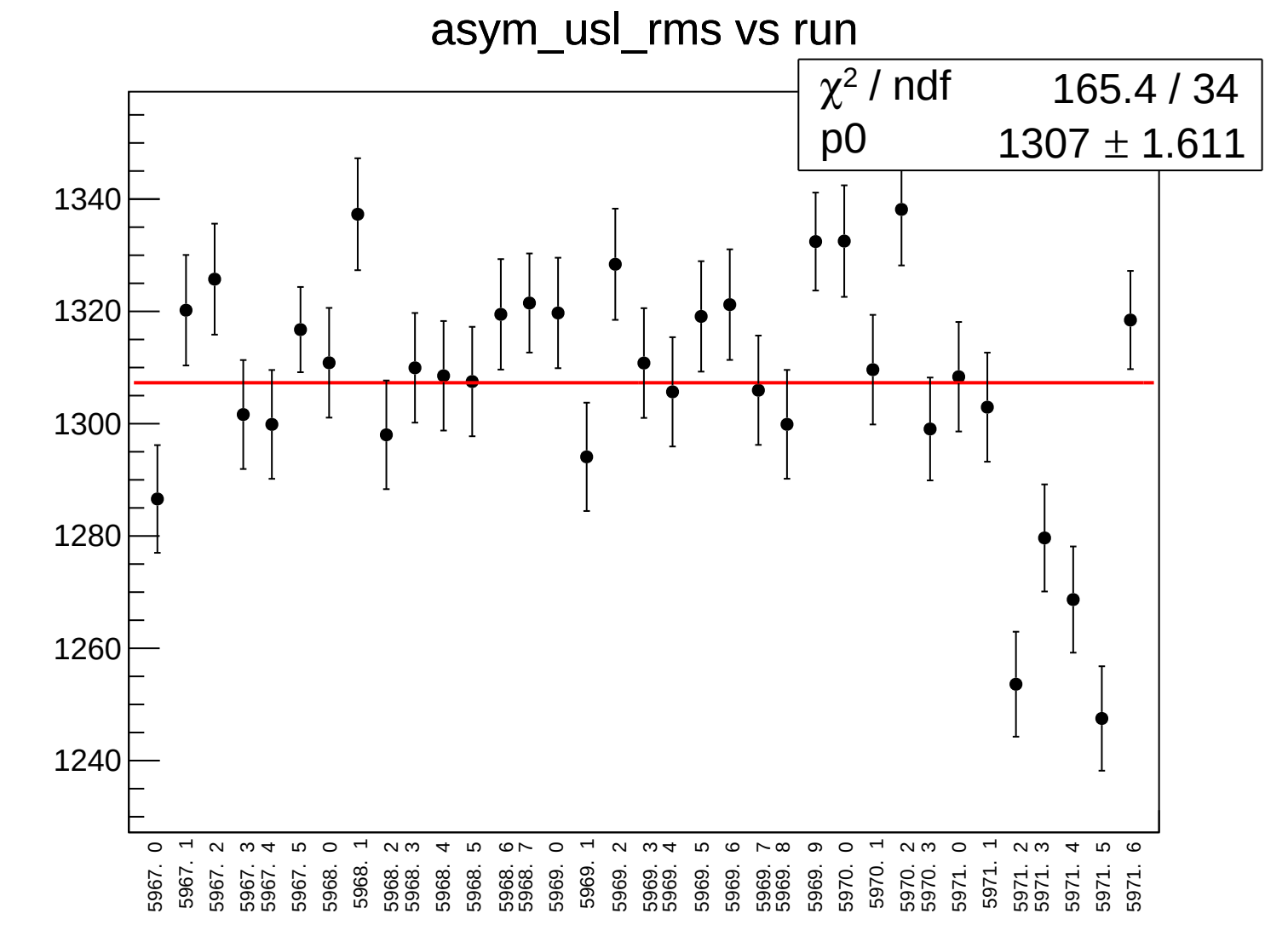

asym_usl_correction_mean vs run
χ² / ndf 41.87 / 34
p0 784.9 ± 1214
20000
10000
0
−10000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 92.09
Std Dev 2.882
2
1
0
−1
−2

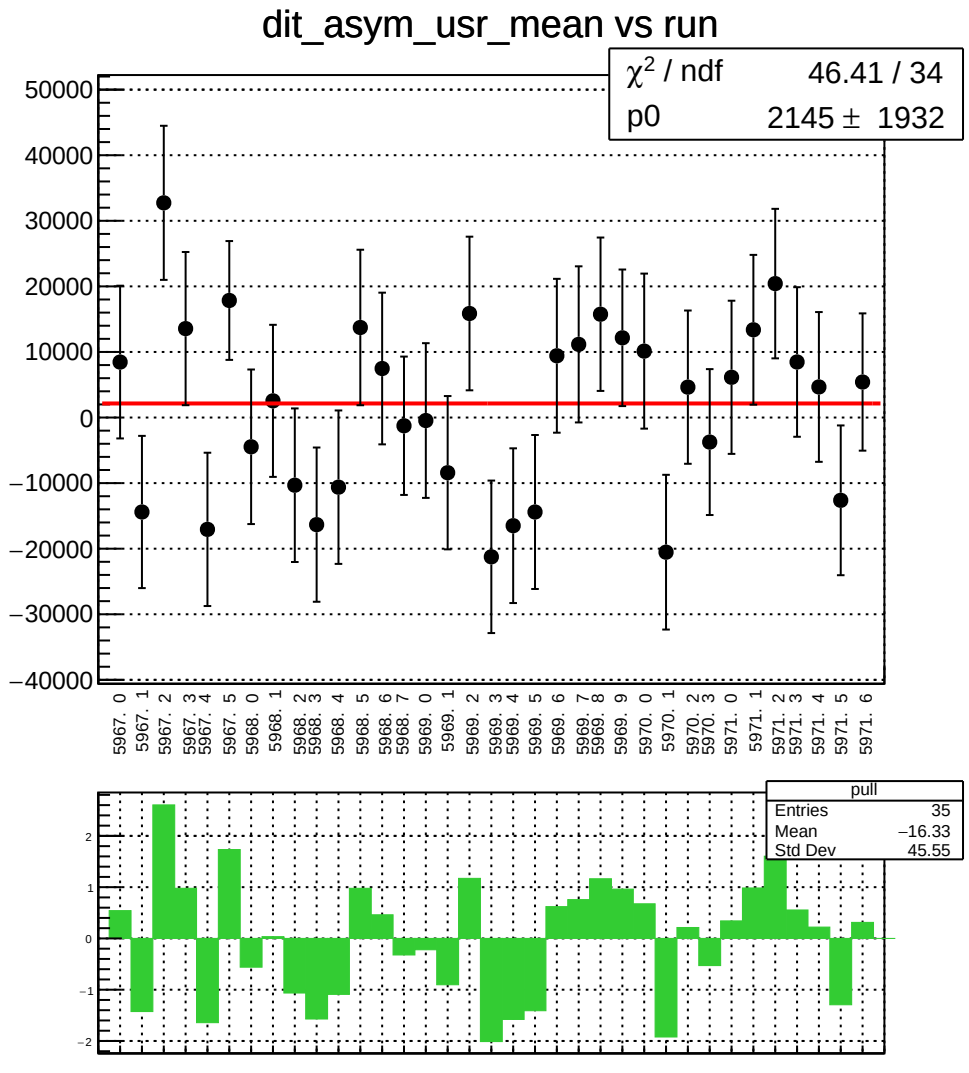

pull1D
Entries 35
Mean −0.004126
Std Dev 1.094
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

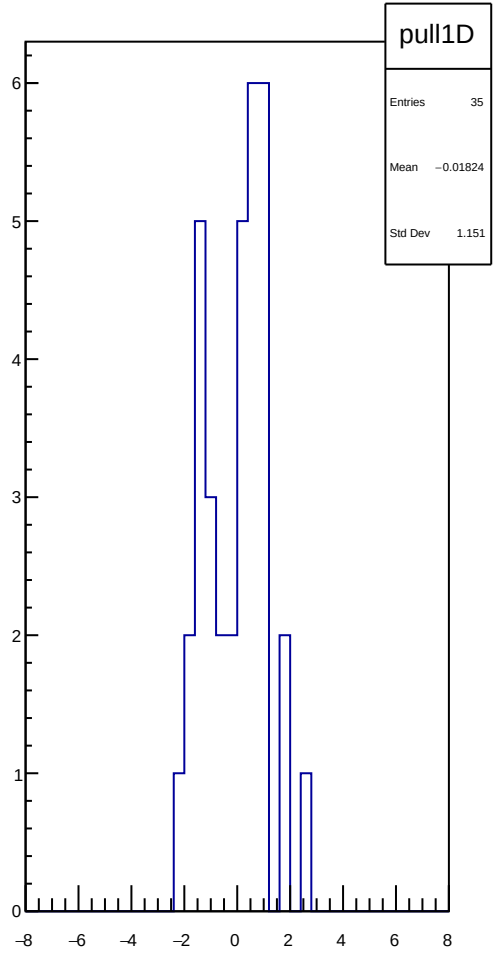

asym_usl_correction_rms vs run
χ² / ndf 469.3 / 34
p0 696.2 ± 0.8581
740
720
700
680
660
640
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

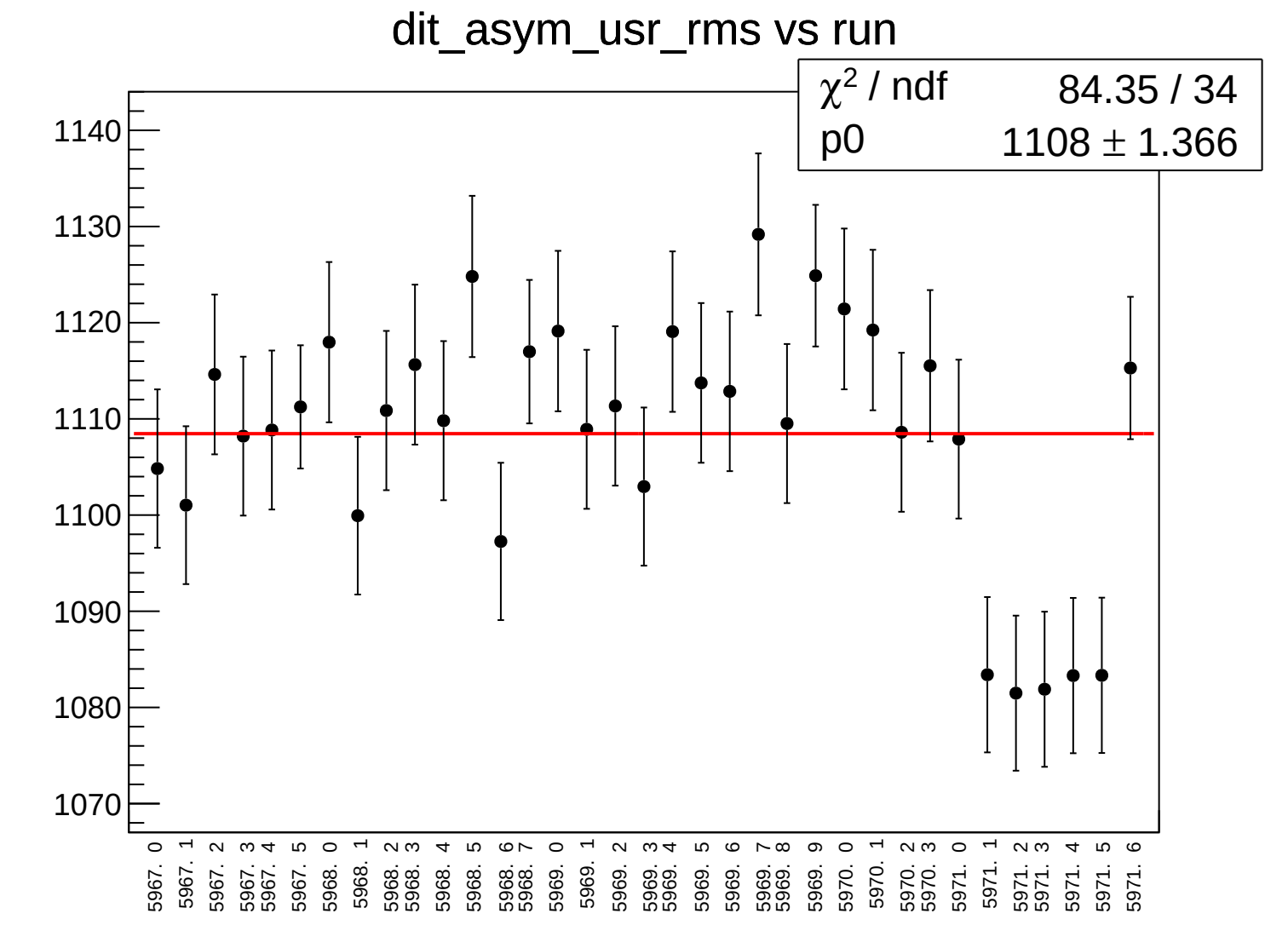

asym_usl_mean vs run
χ² / ndf 41.77 / 34
p0 2002 ± 2278
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 209.8
Std Dev 180.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

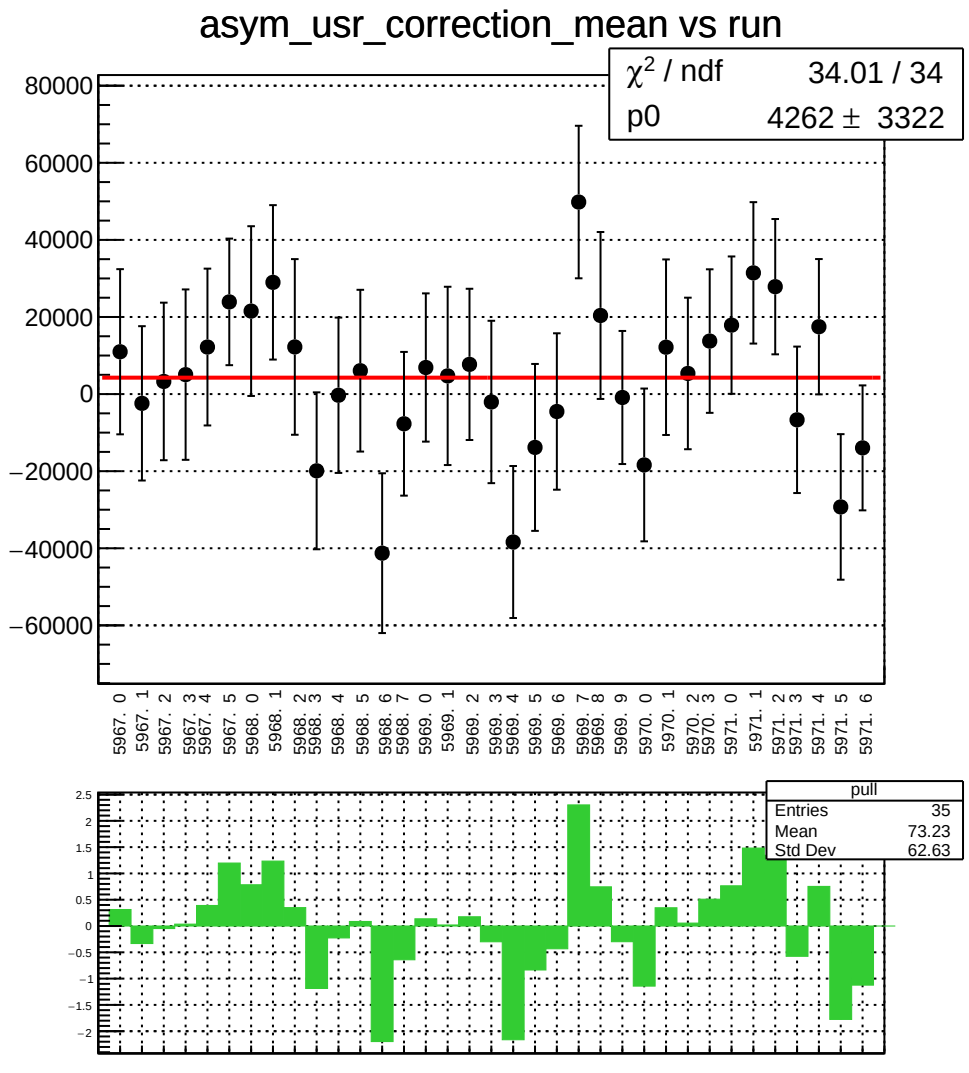

pull1D
Entries 35
Mean 0.008418
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

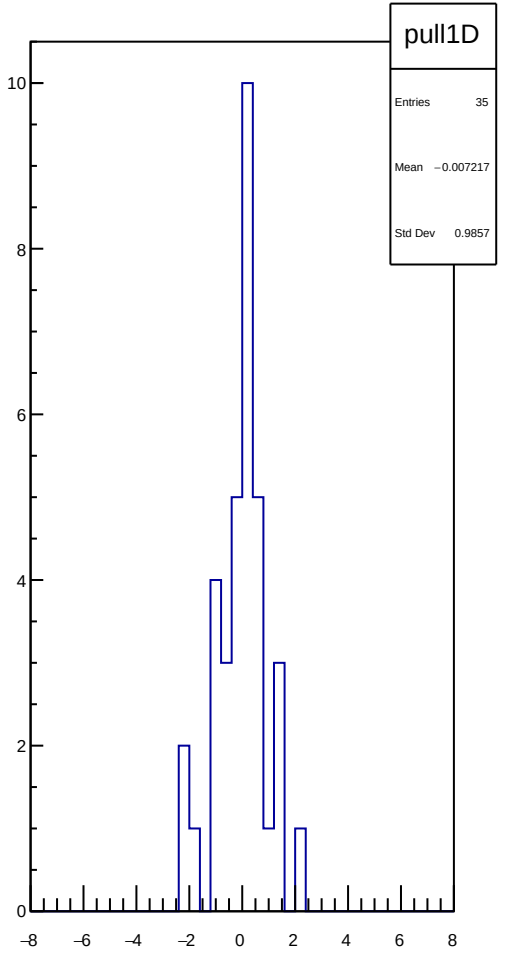

asym_usl_rms vs run
χ² / ndf 165.4 / 34
p0 1307 ± 1.611
1340
1320
1300
1280
1260
1240
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

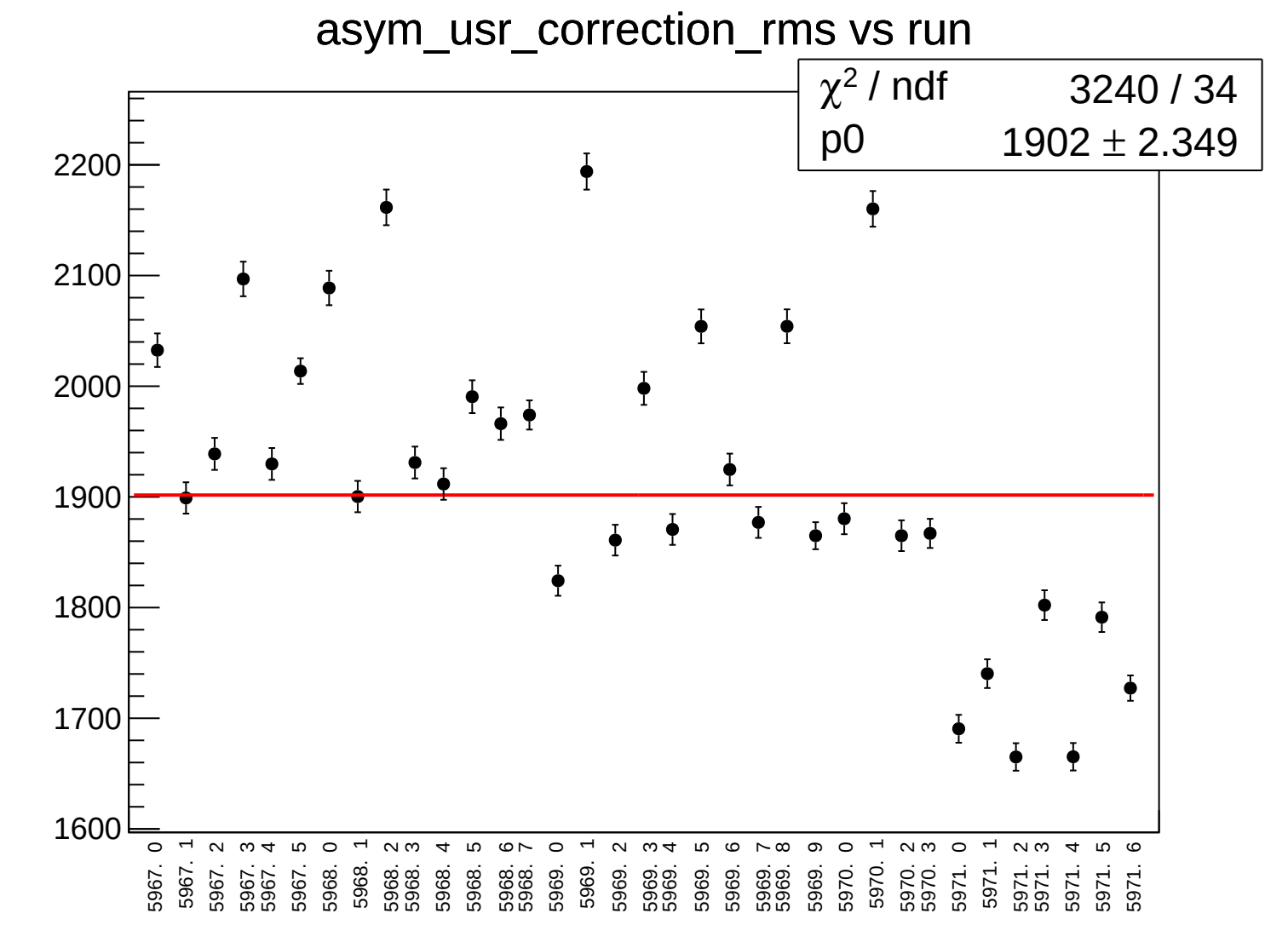

dit_asym_usr_mean vs run
χ² / ndf 46.41 / 34
p0 2145 ± 1932
pull
Entries 35
Mean −16.33
Std Dev 45.55

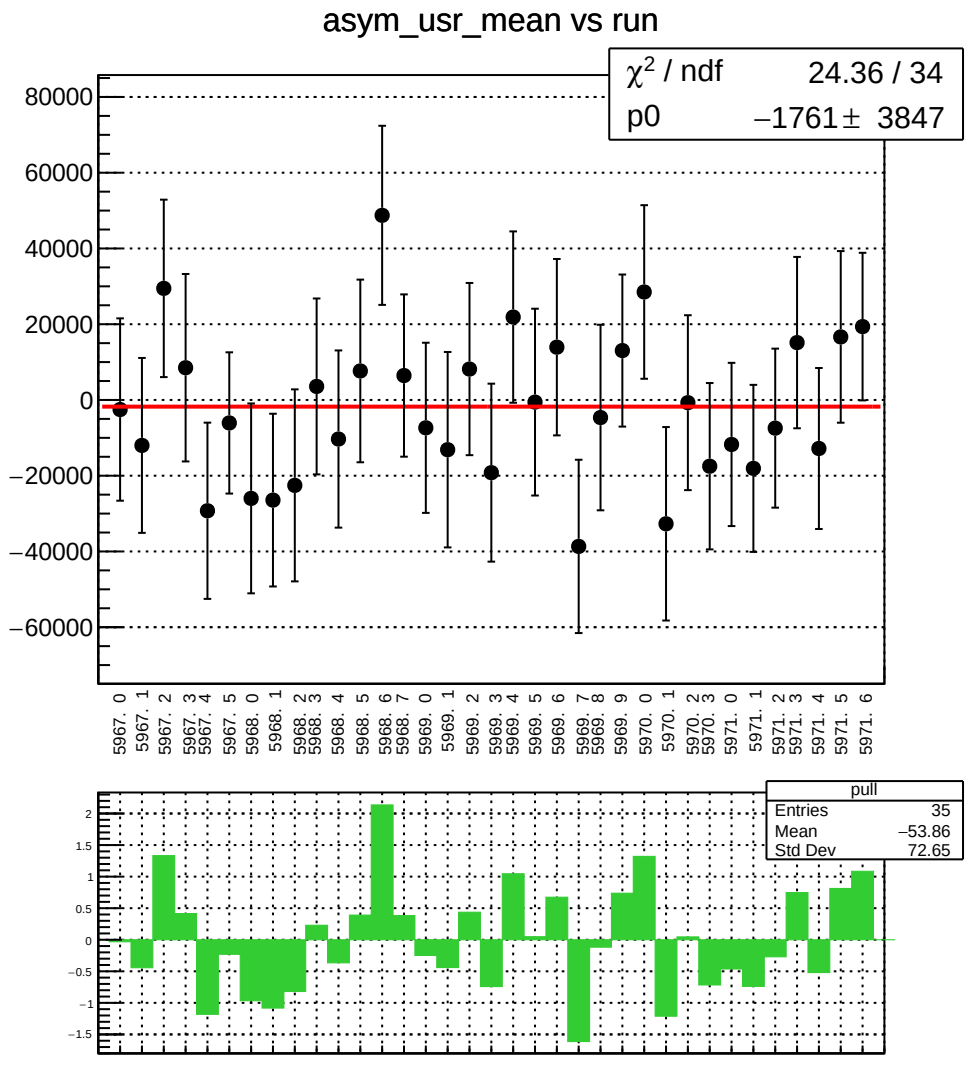

pull1D
Entries 35
Mean −0.01824
Std Dev 1.151

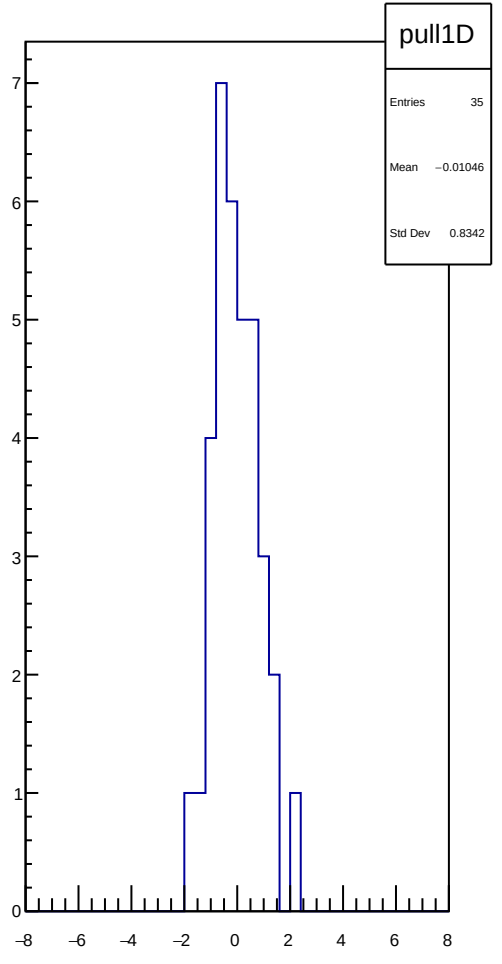

dit_asym_usr_rms vs run
χ² / ndf 84.35 / 34
p0 1108 ± 1.366
1140
1130
1120
1110
1100
1090
1080
1070
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

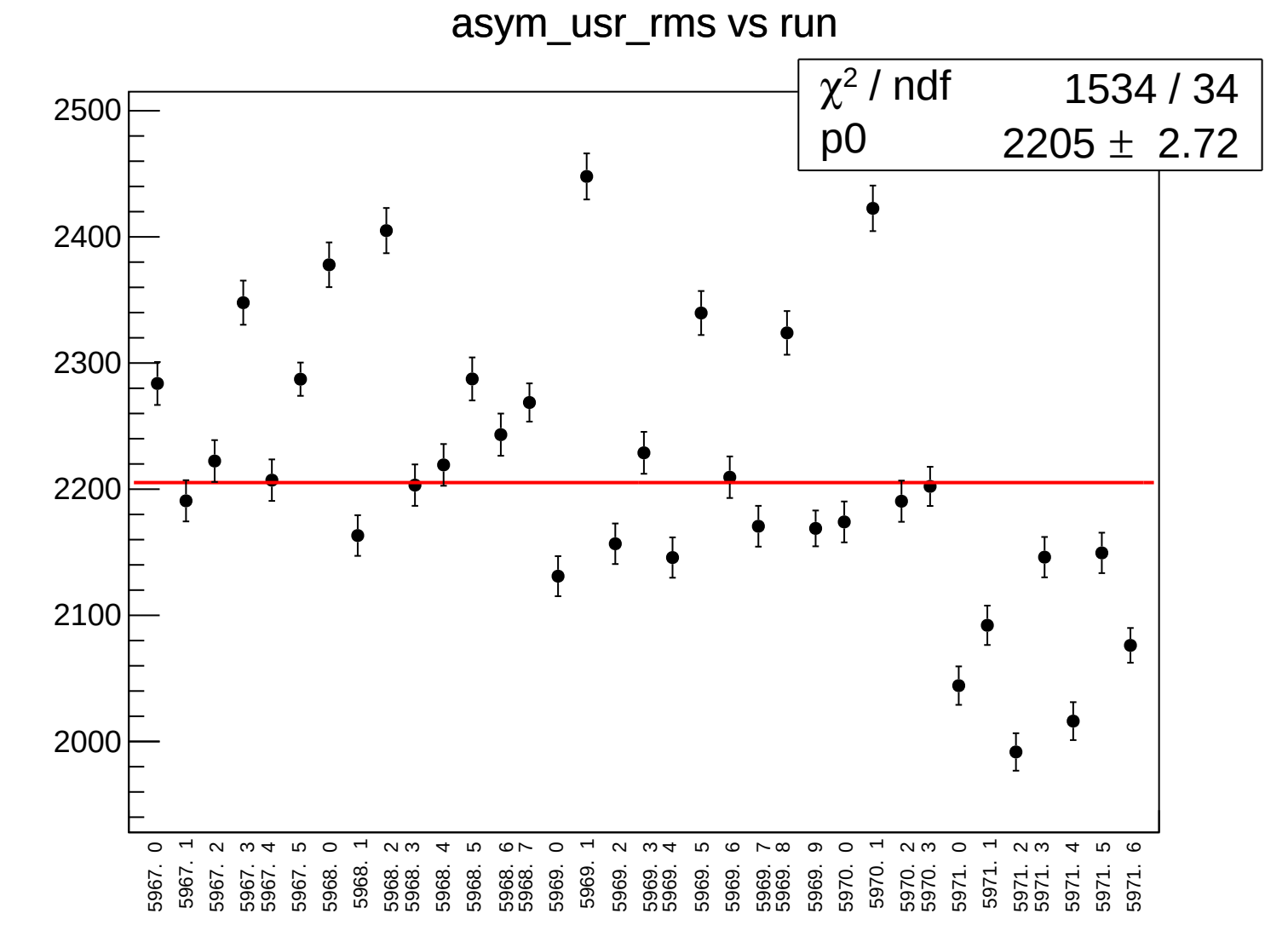

asym_usr_correction_mean vs run
χ² / ndf 34.01 / 34
p0 4262 ± 3322
80000
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 73.23
Std Dev 62.63
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

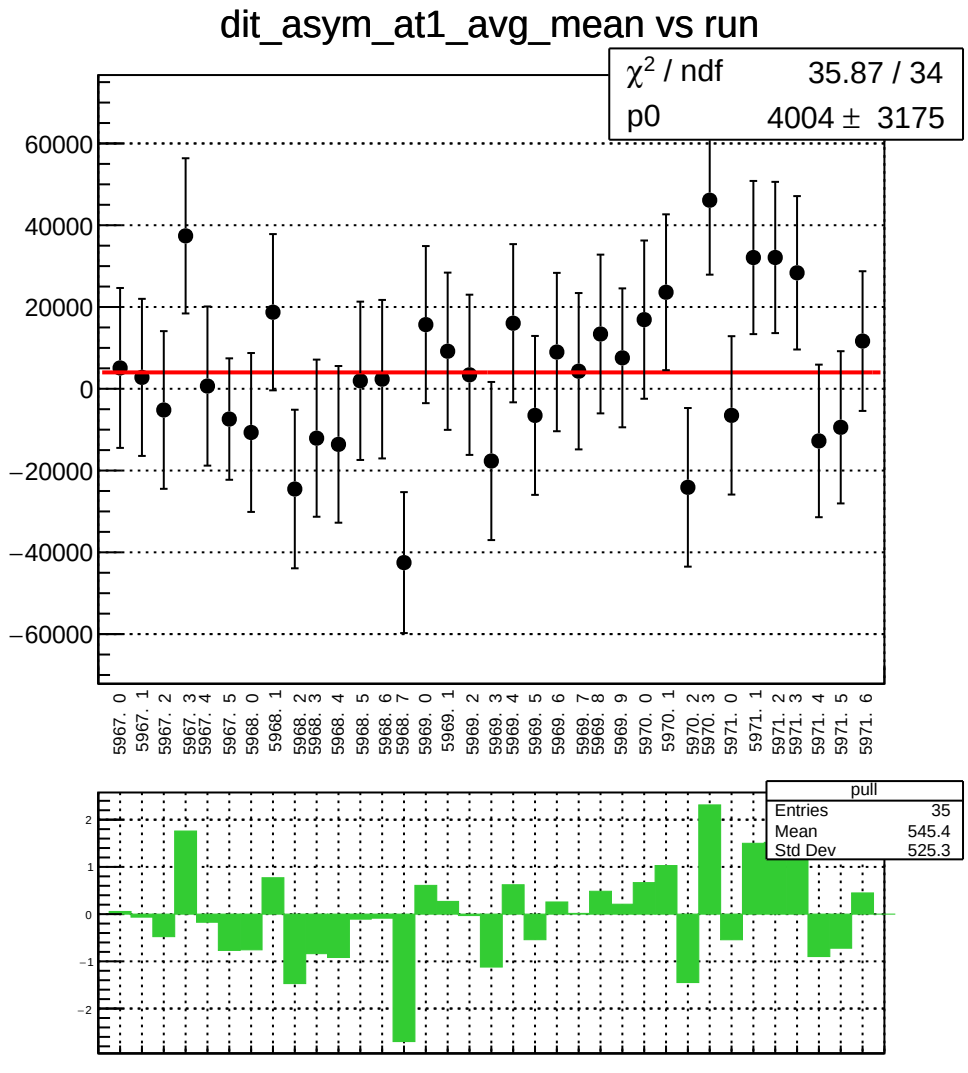

pull1D
Entries 35
Mean −0.007217
Std Dev 0.9857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

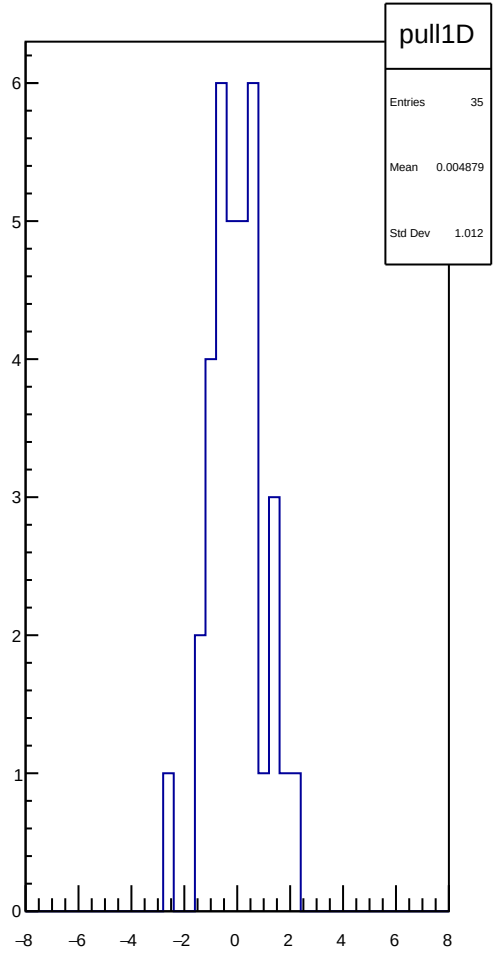

asym_usr_correction_rms vs run
χ² / ndf 3240 / 34
p0 1902 ± 2.349
2200
2100
2000
1900
1800
1700
1600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

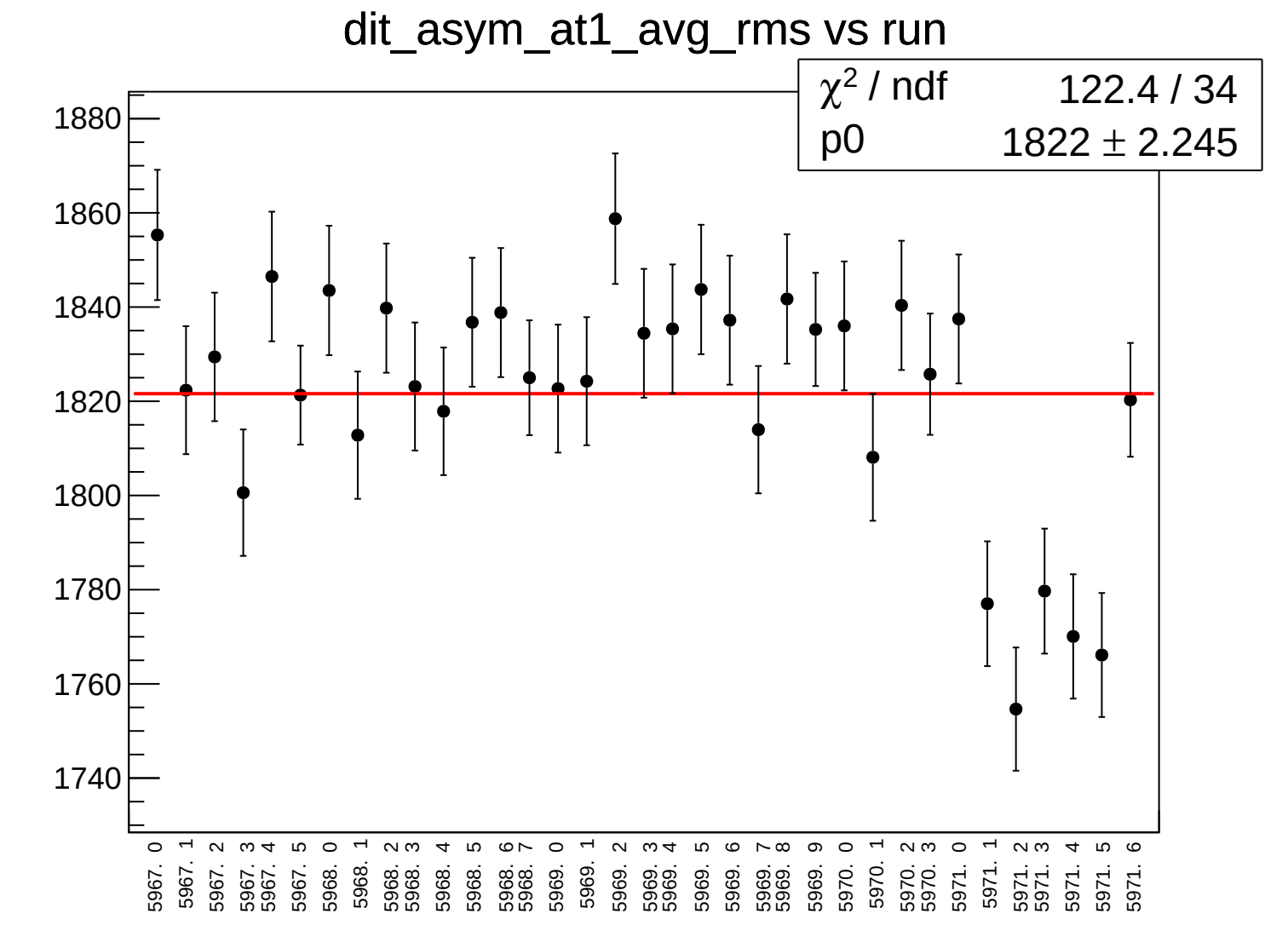

asym_usr_mean vs run
χ² / ndf 24.36 / 34
p0 −1761 ± 3847
80000
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −53.86
Std Dev 72.65
2
1.5
1
0.5
0
−0.5
−1
−1.5

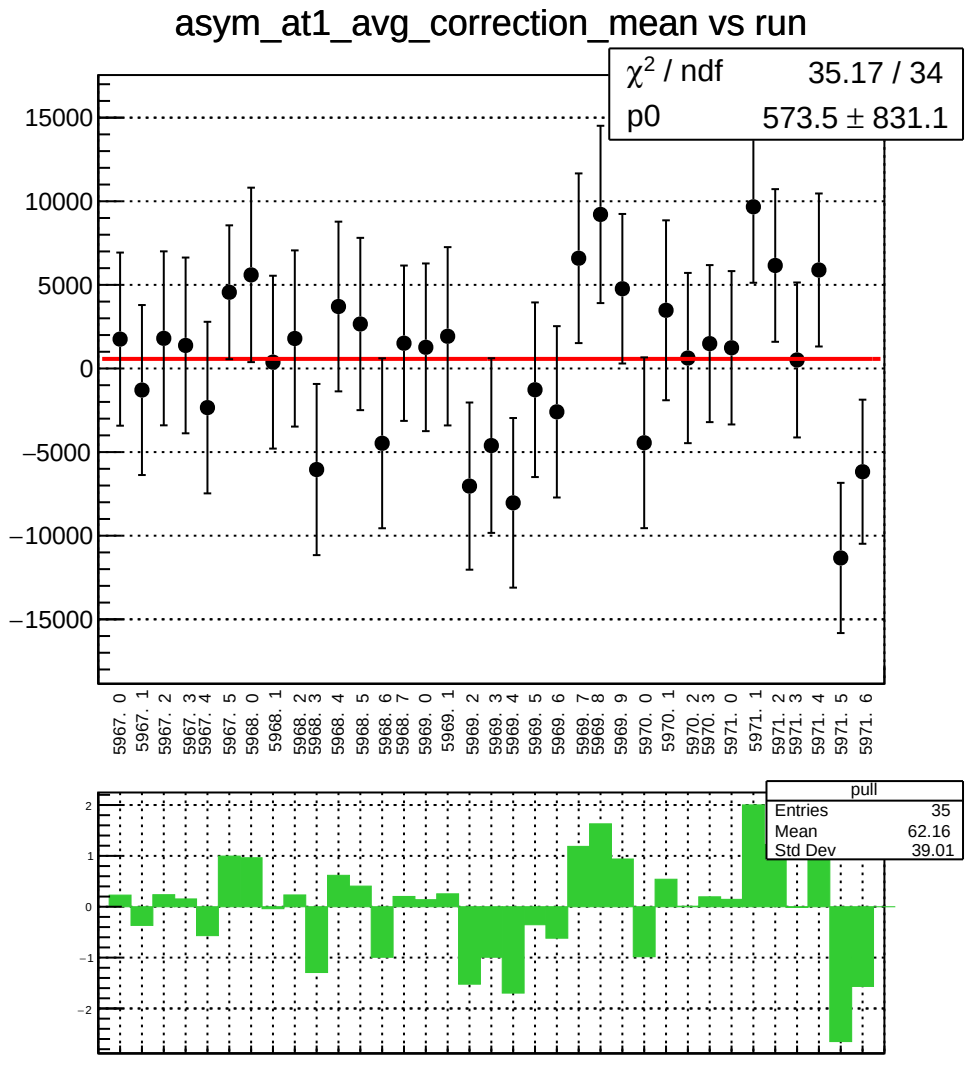

pull1D
Entries 35
Mean −0.01046
Std Dev 0.8342
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

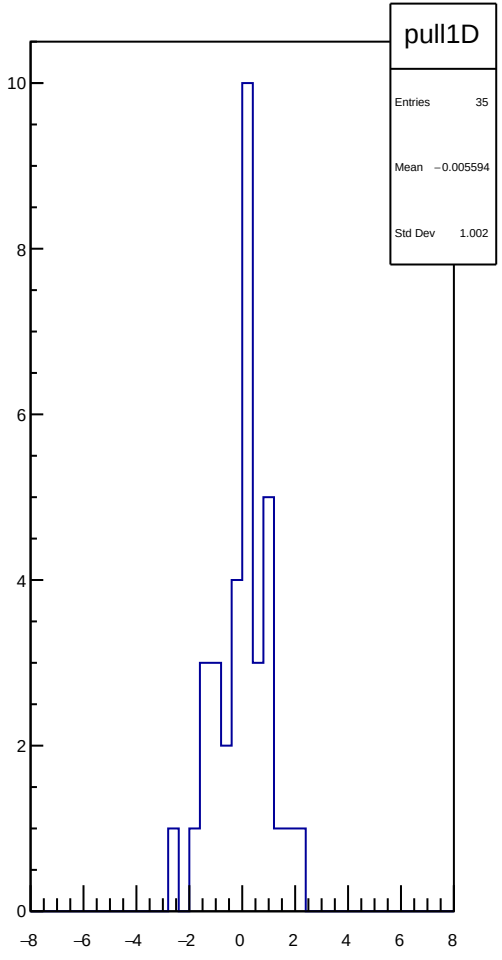

asym_usr_rms vs run
χ² / ndf 1534 / 34
p0 2205 ± 2.72
2500
2400
2300
2200
2100
2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

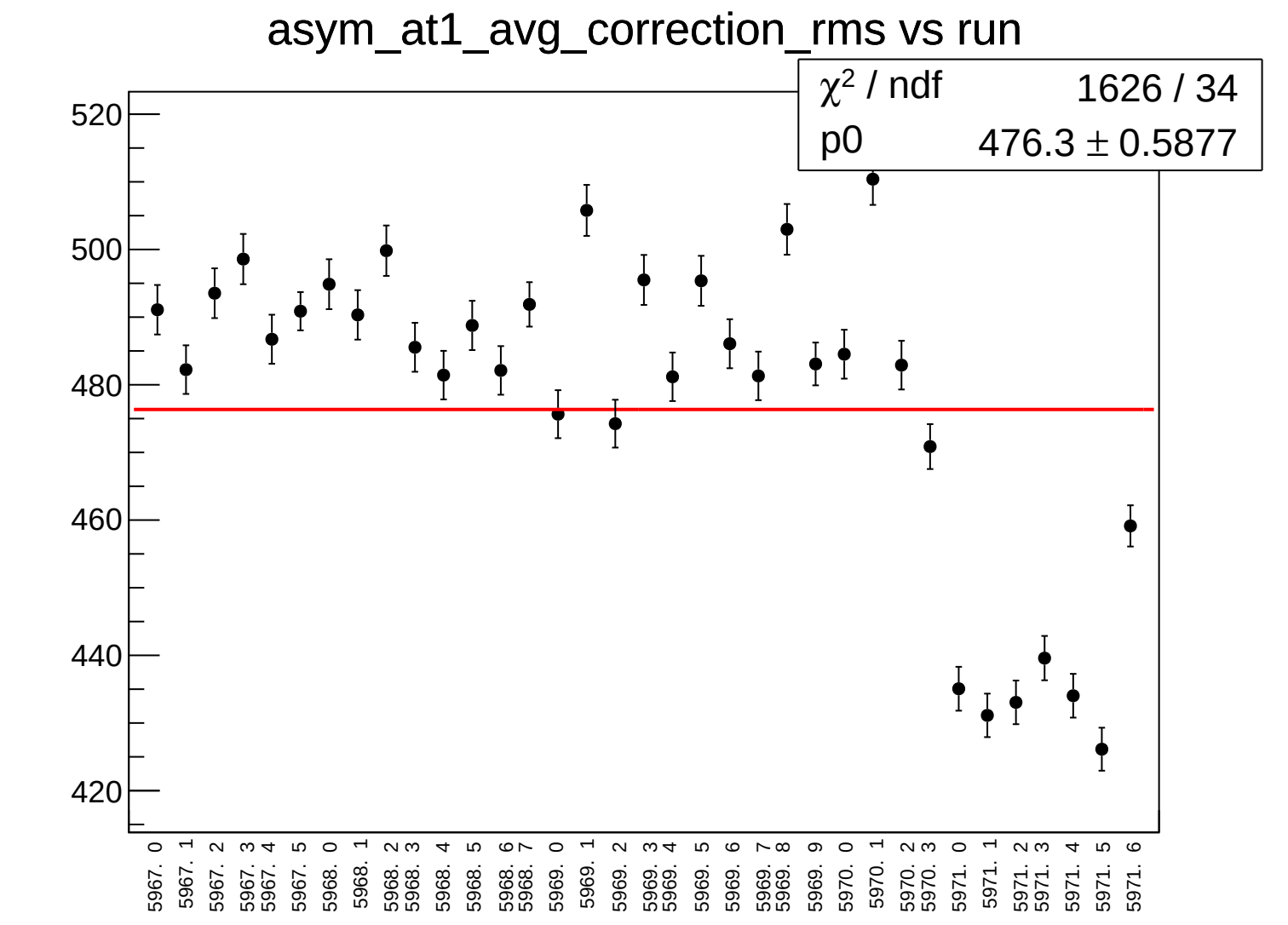

dit_asym_at1_avg_mean vs run
χ² / ndf 35.87 / 34
p0 4004 ± 3175
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 545.4
Std Dev 525.3
2
1
0
−1
−2

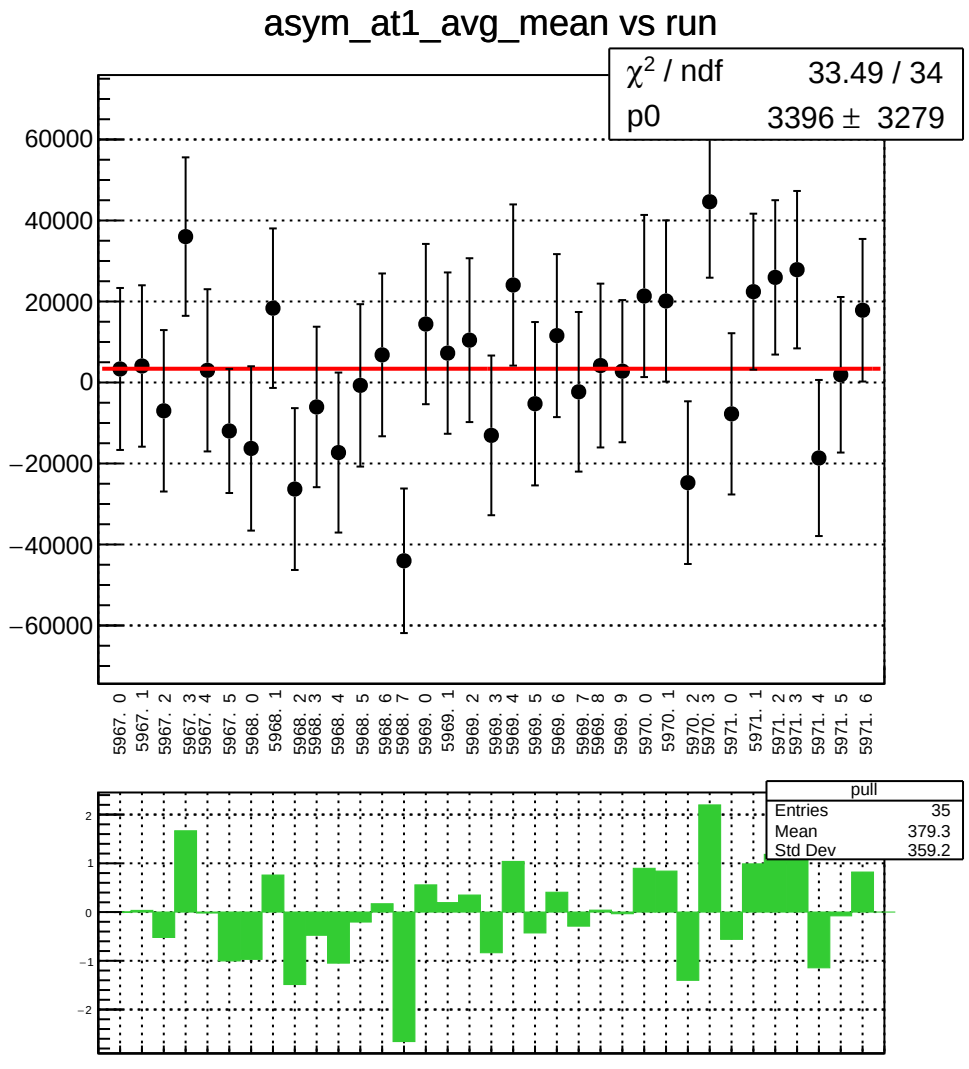

pull1D
Entries 35
Mean 0.004879
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

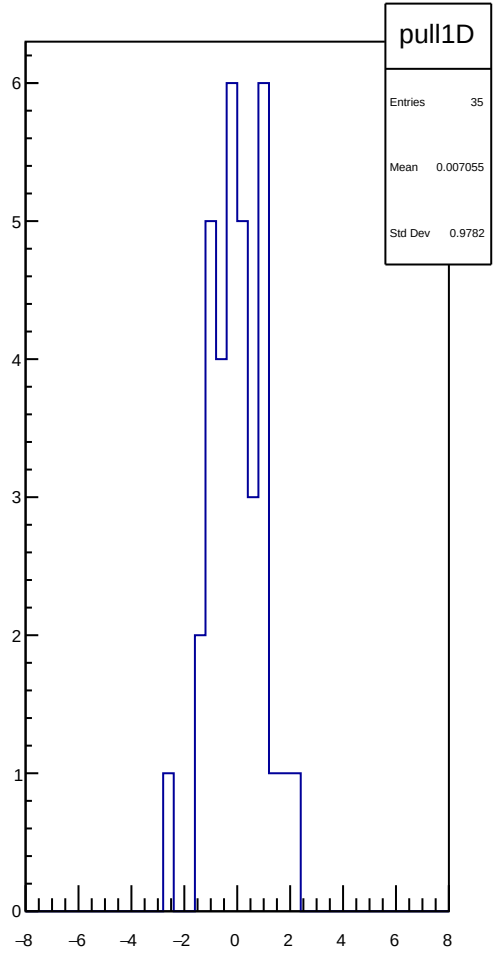

dit_asym_at1_avg_rms vs run
χ² / ndf 122.4 / 34
p0 1822 ± 2.245
1880
1860
1840
1820
1800
1780
1760
1740
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

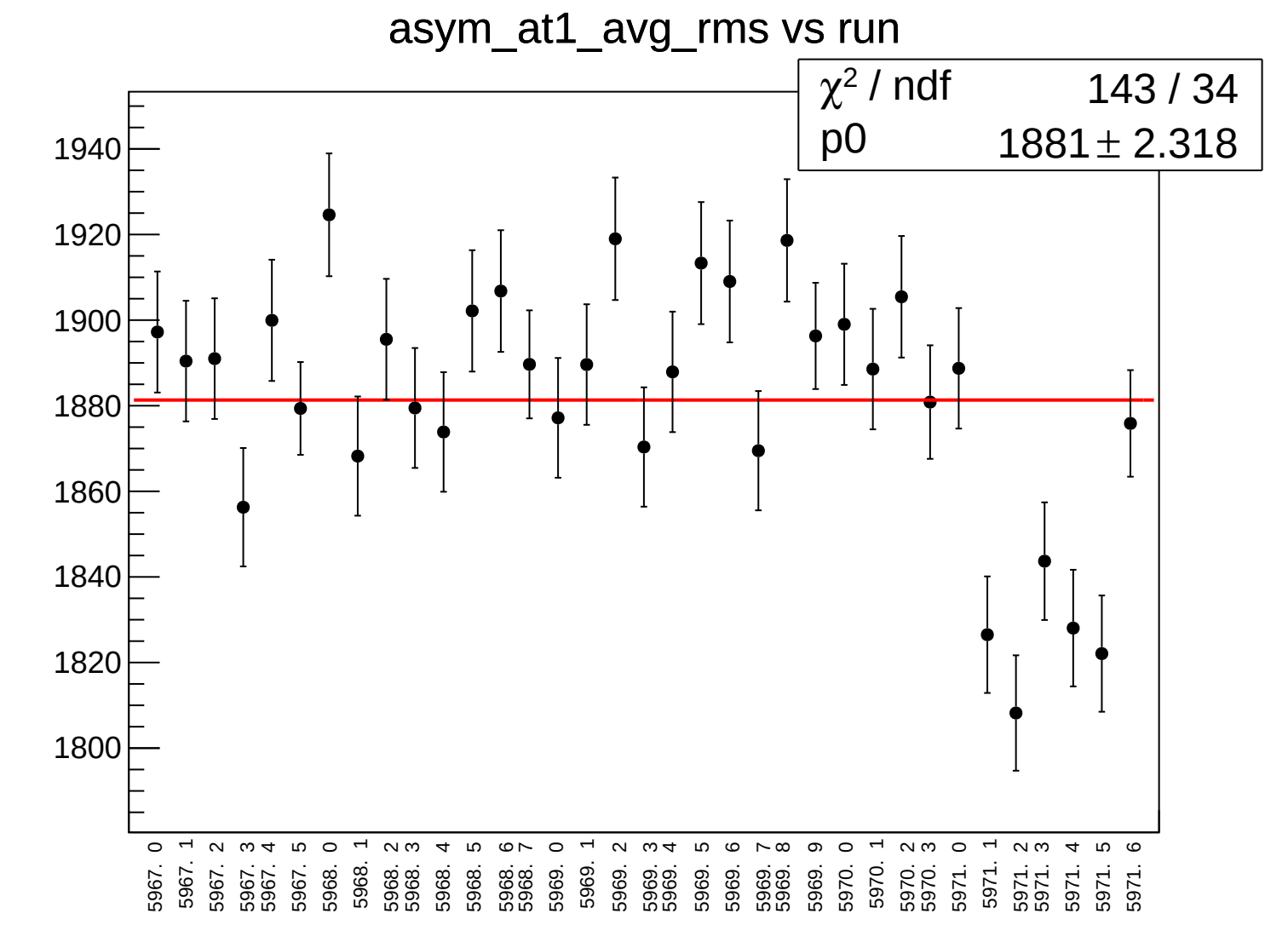

asym_at1_avg_correction_mean vs run
χ² / ndf 35.17 / 34
p0 573.5 ± 831.1
15000
10000
5000
0
−5000
−10000
−15000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 62.16
Std Dev 39.01
2
1
0
−1
−2

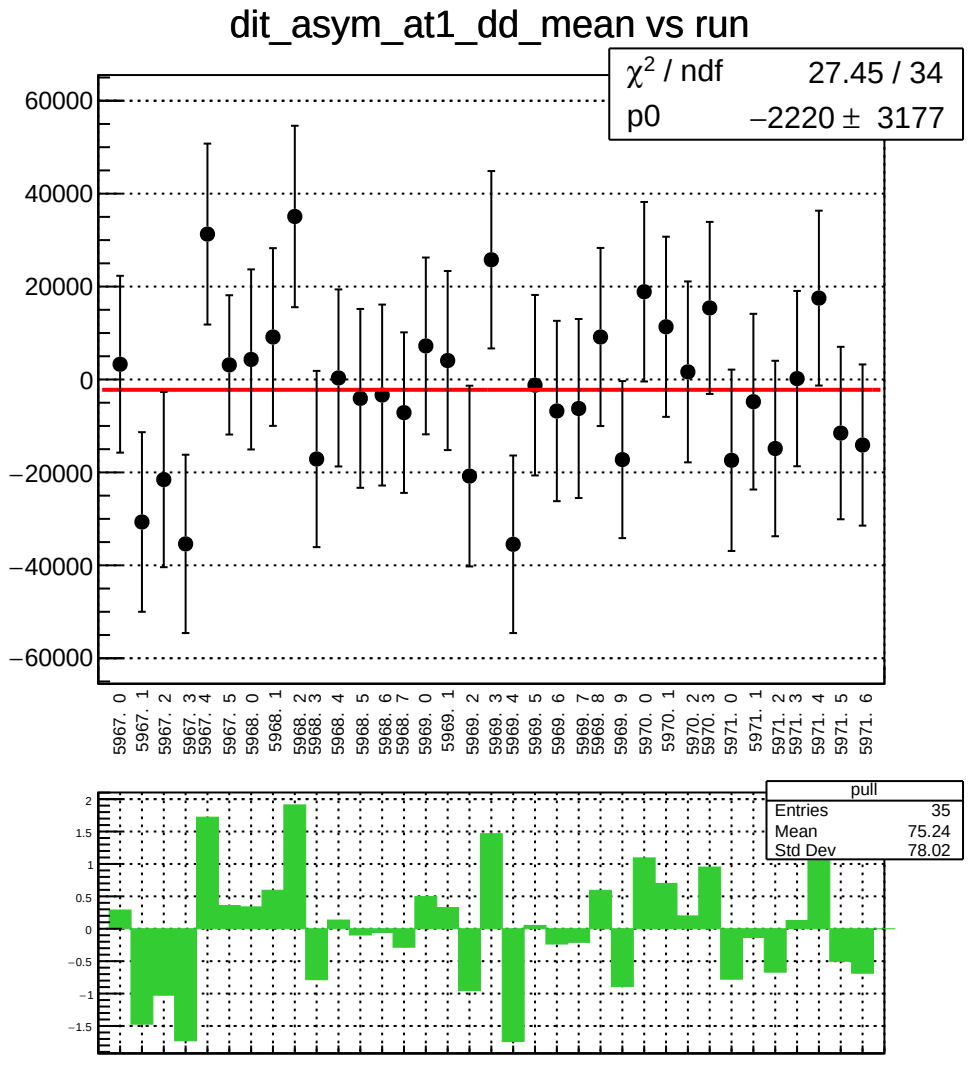

pull1D
Entries 35
Mean −0.005594
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

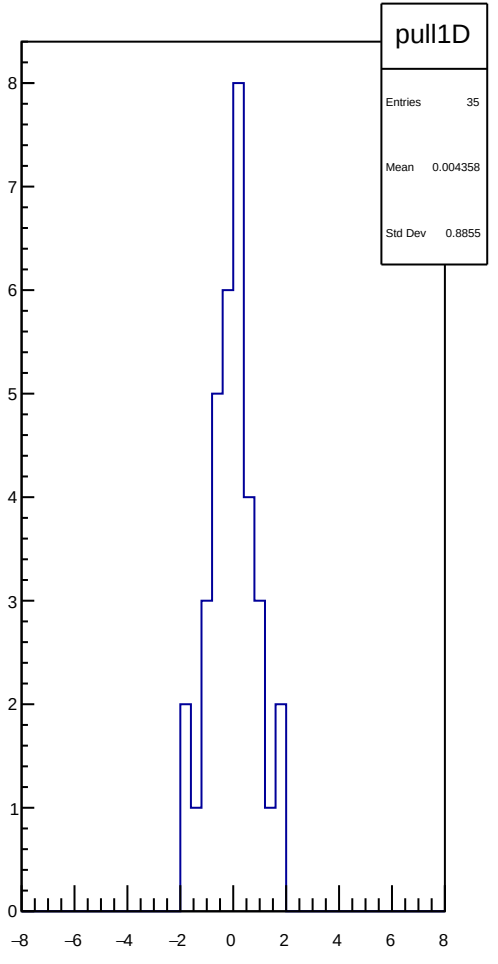

asym_at1_avg_correction_rms vs run
χ² / ndf 1626 / 34
p0 476.3 ± 0.5877
520
500
480
460
440
420
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

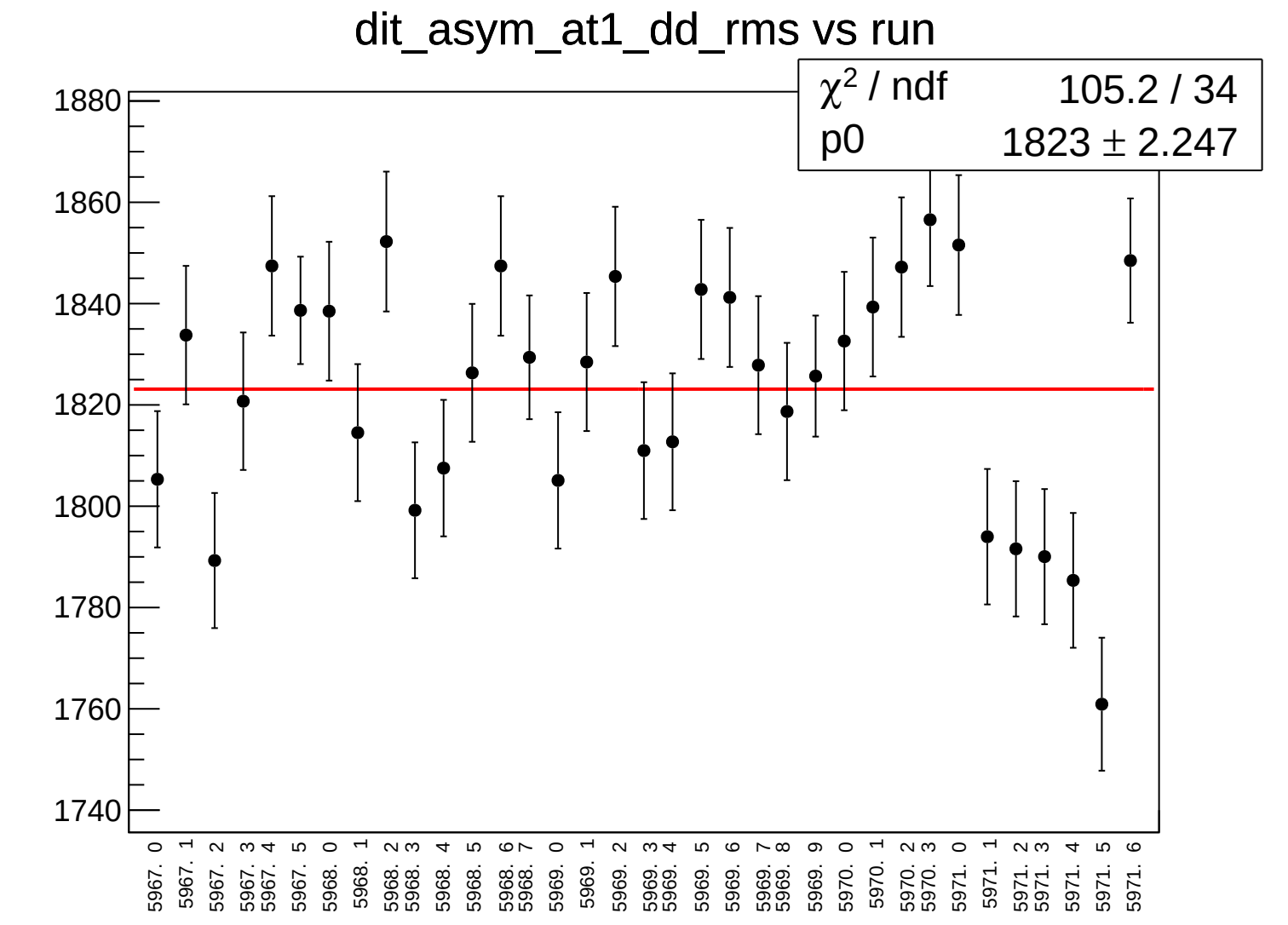

asym_at1_avg_mean vs run
χ² / ndf 33.49 / 34
p0 3396 ± 3279
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 379.3
Std Dev 359.2
2
1
0
−1
−2

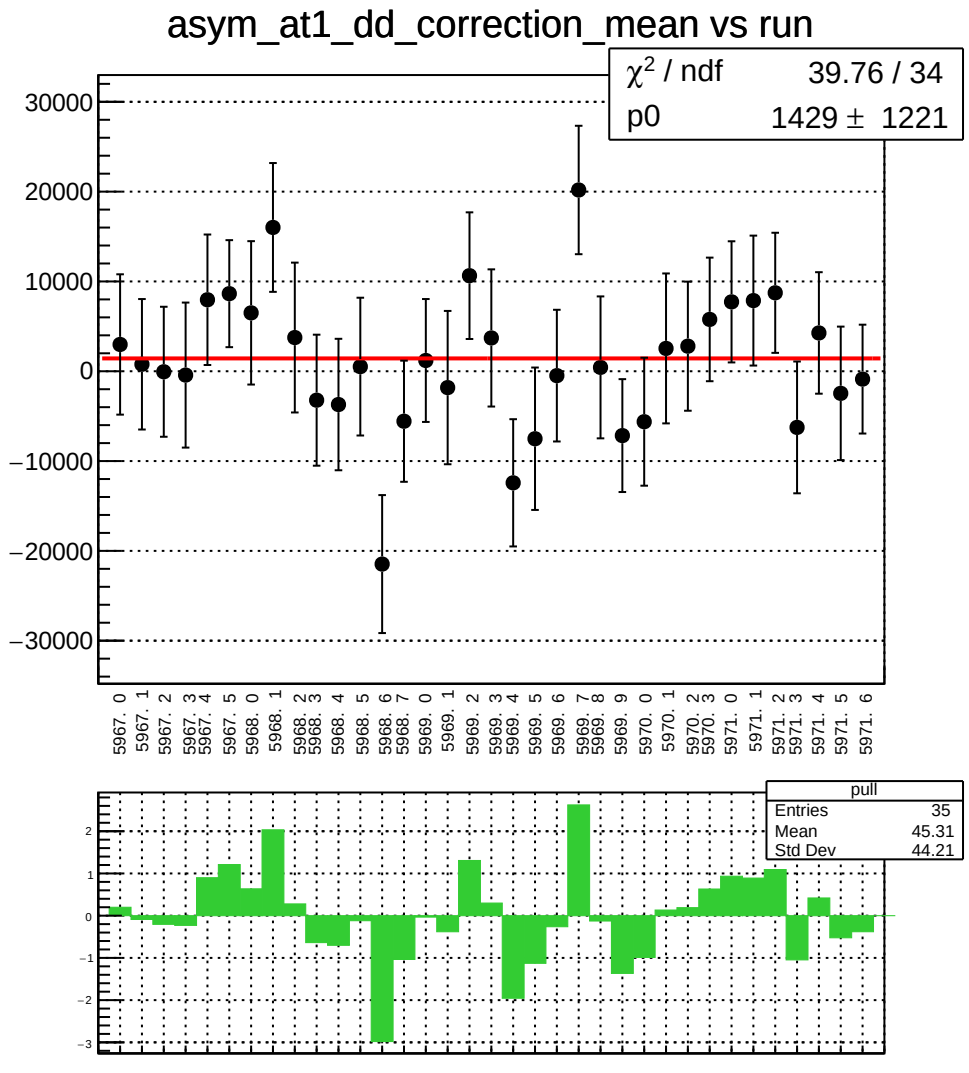

pull1D
Entries 35
Mean 0.007055
Std Dev 0.9782
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

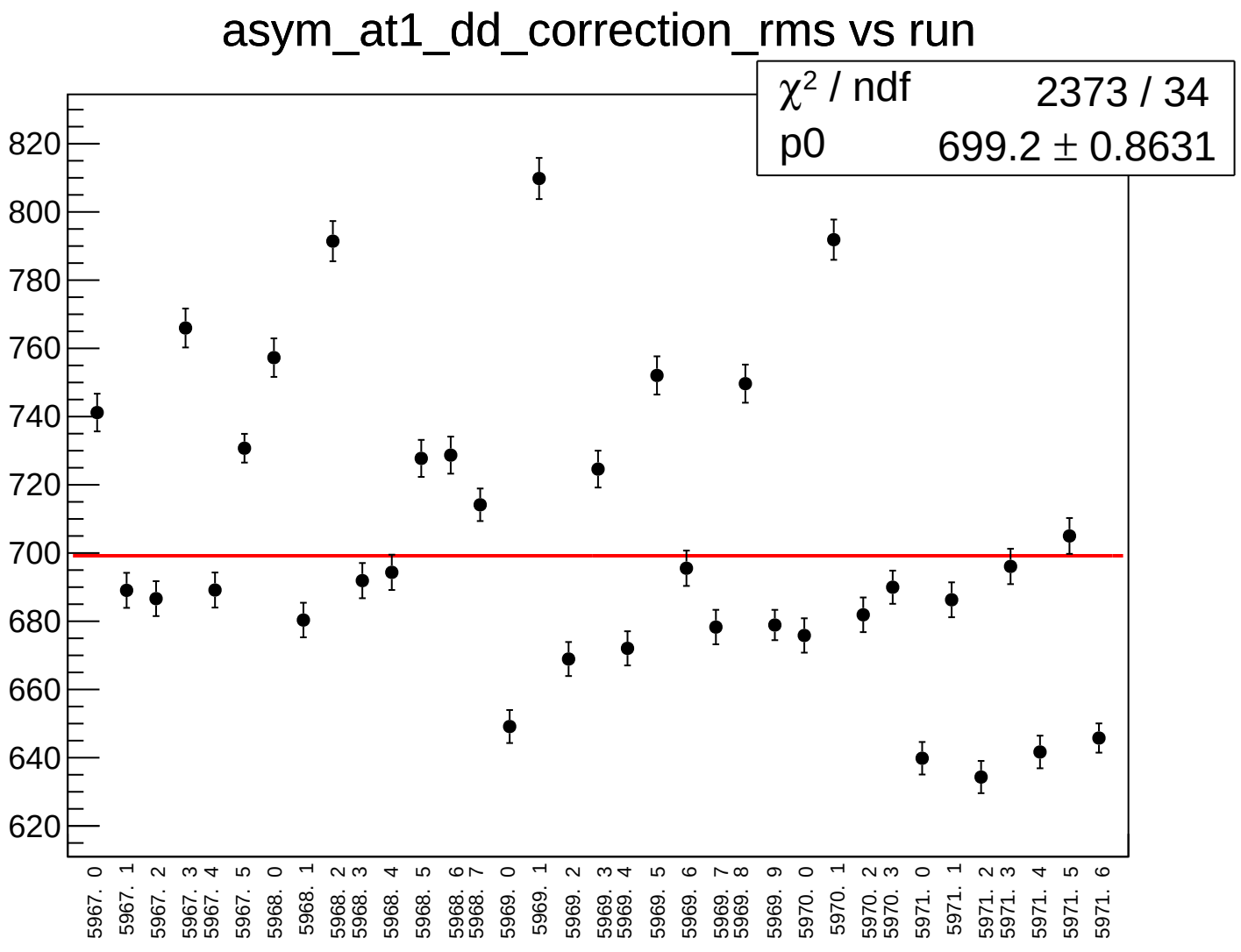

asym_at1_avg_rms vs run
χ² / ndf 143 / 34
p0 1881 ± 2.318
1940
1920
1900
1880
1860
1840
1820
1800
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

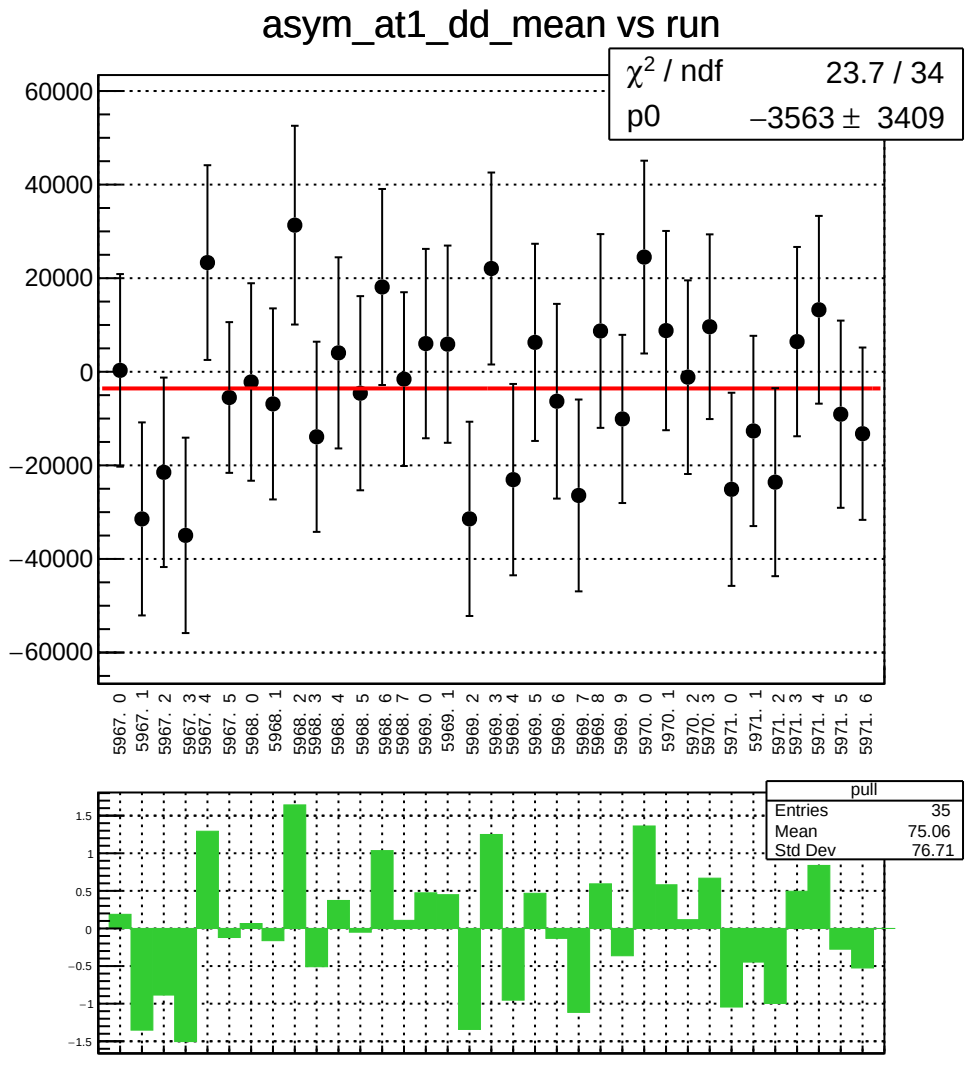

dit_asym_at1_dd_mean vs run
χ² / ndf 27.45 / 34
p0 −2220 ± 3177
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 75.24
Std Dev 78.02
2
1.5
1
0.5
0
−0.5
−1
−1.5

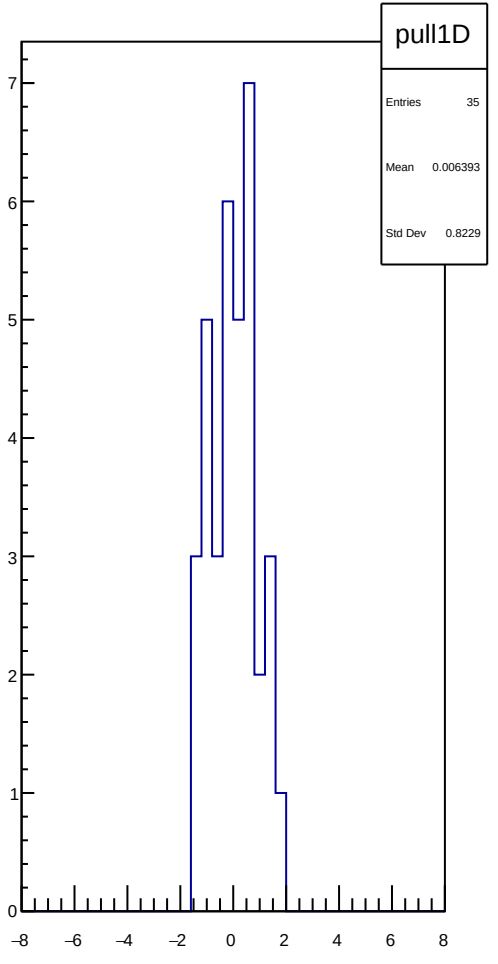

pull1D
Entries 35
Mean 0.004358
Std Dev 0.8855
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

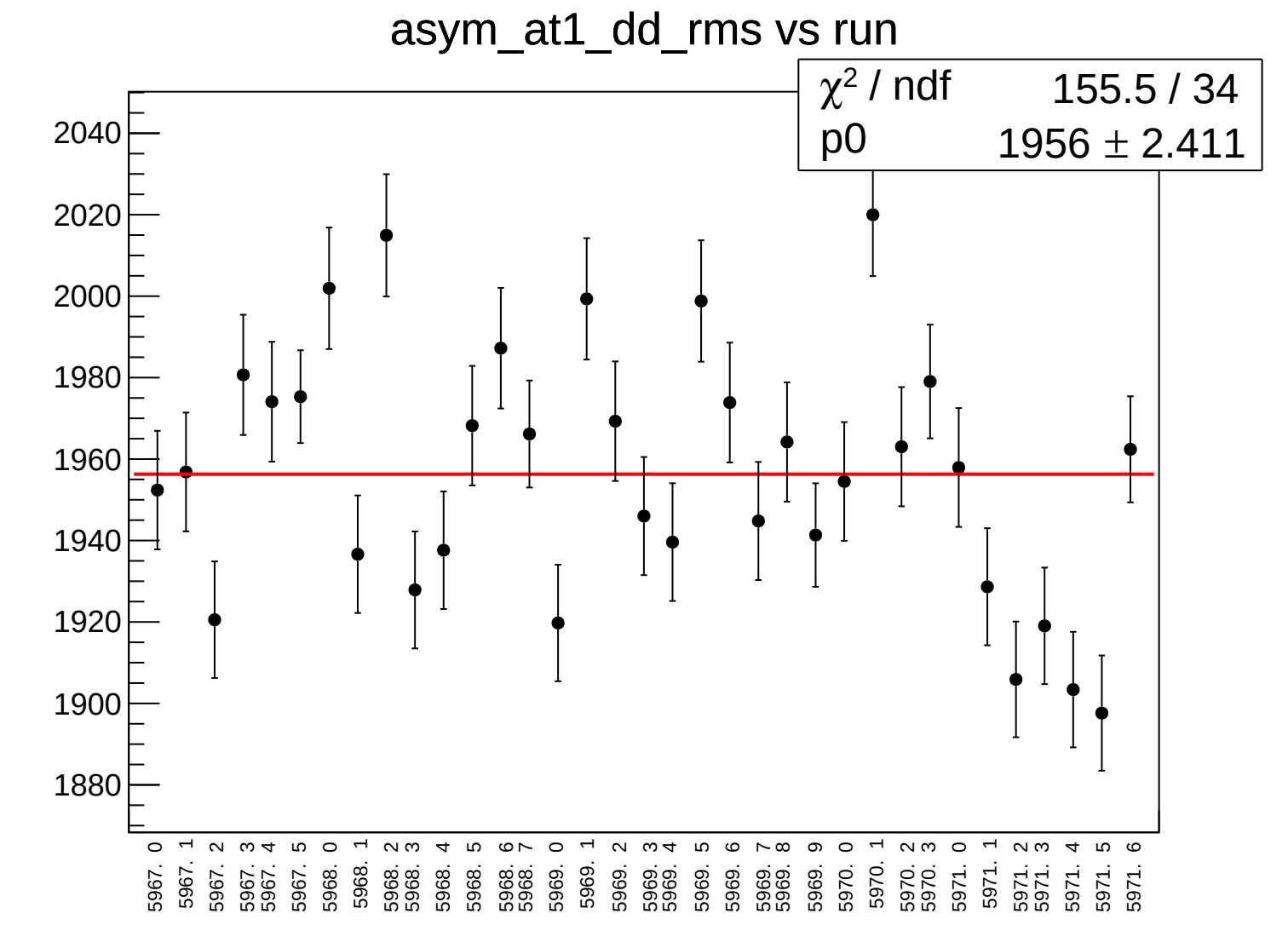

dit_asym_at1_dd_rms vs run
χ² / ndf 105.2 / 34
p0 1823 ± 2.247
1880
1860
1840
1820
1800
1780
1760
1740
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

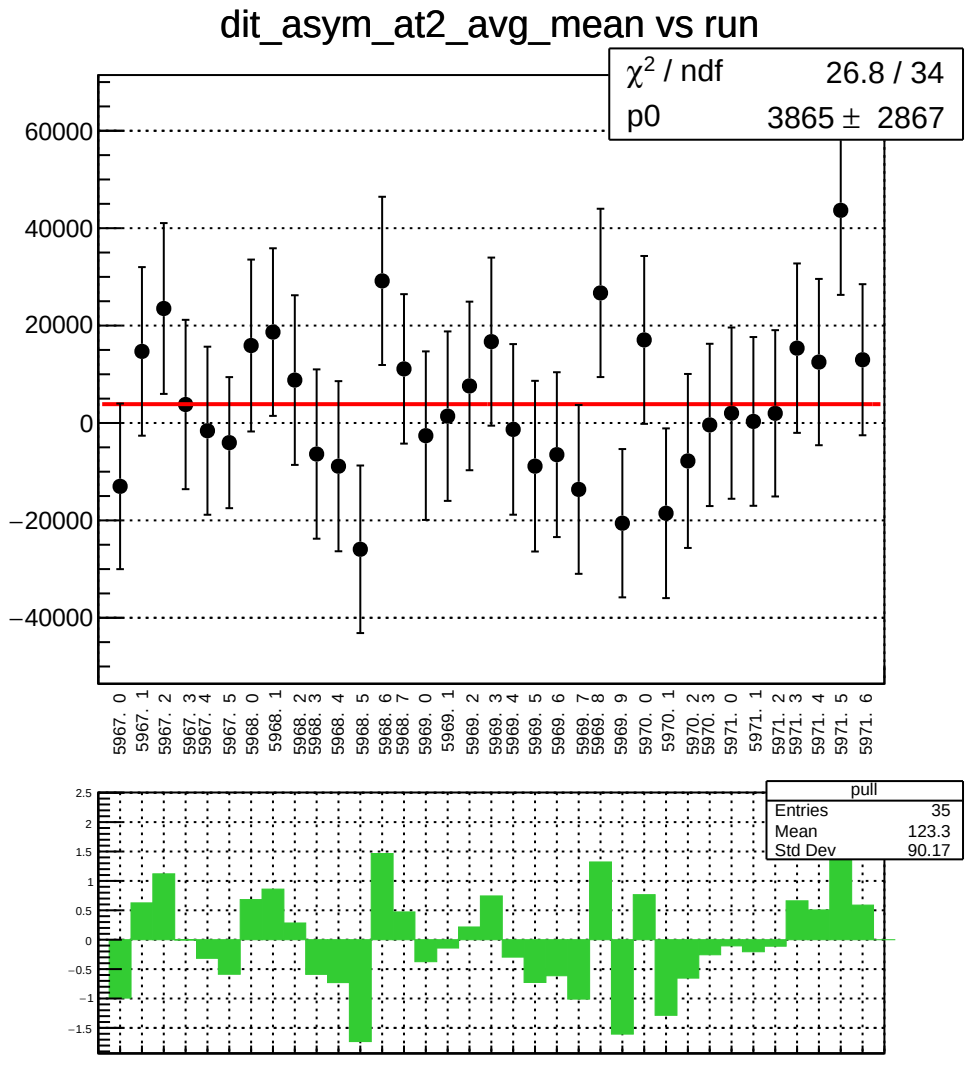

asym_at1_dd_correction_mean vs run
χ² / ndf 39.76 / 34
p0 1429 ± 1221
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 45.31
Std Dev 44.21
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean −0.0119
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

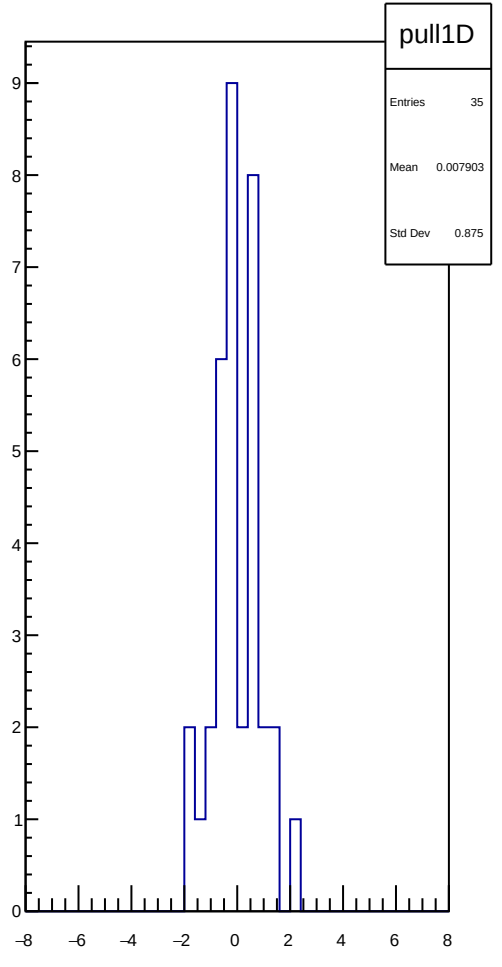

asym_at1_dd_correction_rms vs run
χ² / ndf 2373 / 34
p0 699.2 ± 0.8631
820
800
780
760
740
720
700
680
660
640
620
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

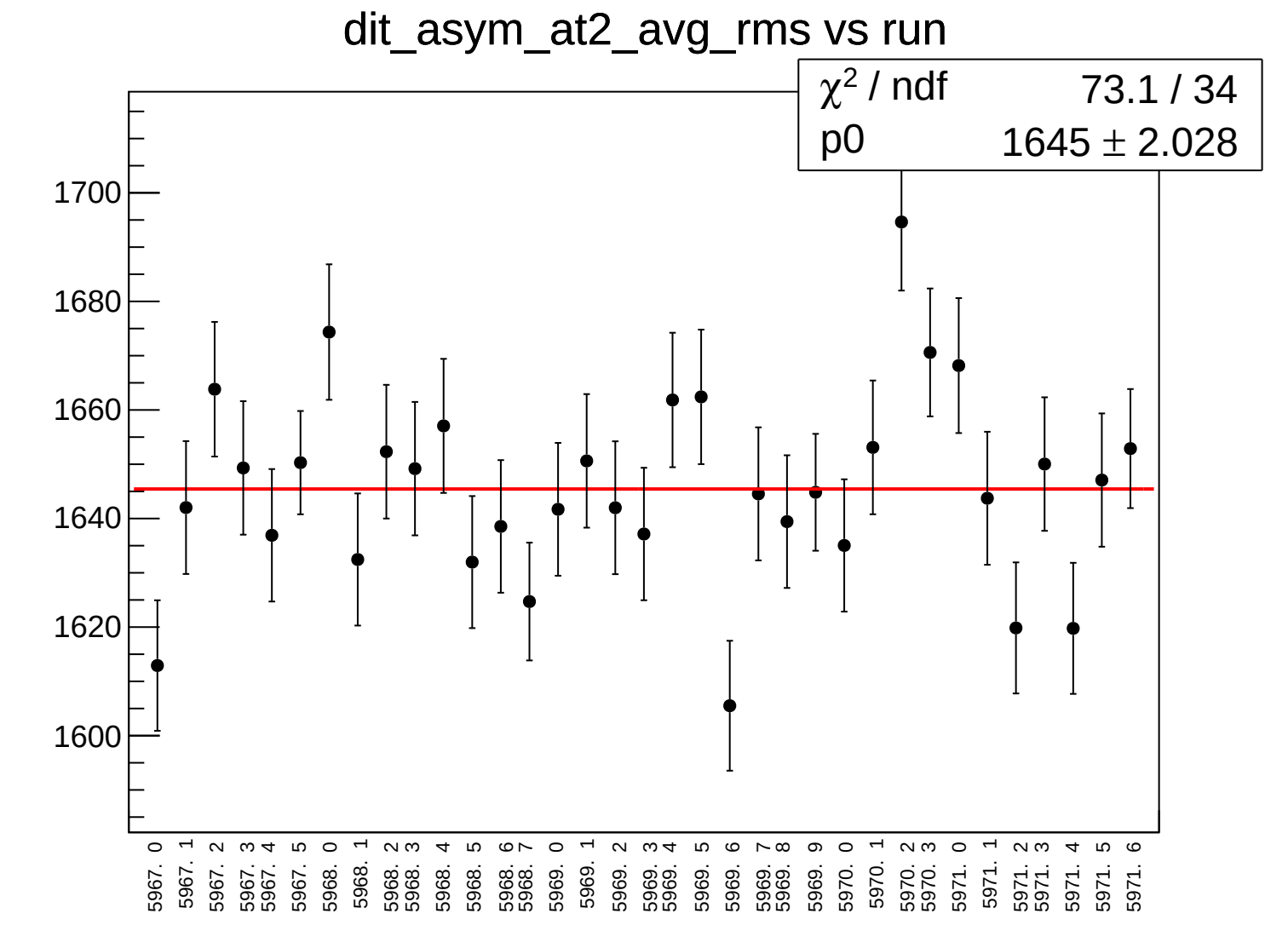

asym_at1_dd_mean vs run
χ² / ndf 23.7 / 34
p0 −3563 ± 3409
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 75.06
Std Dev 76.71
1.5
1
0.5
0
−0.5
−1
−1.5

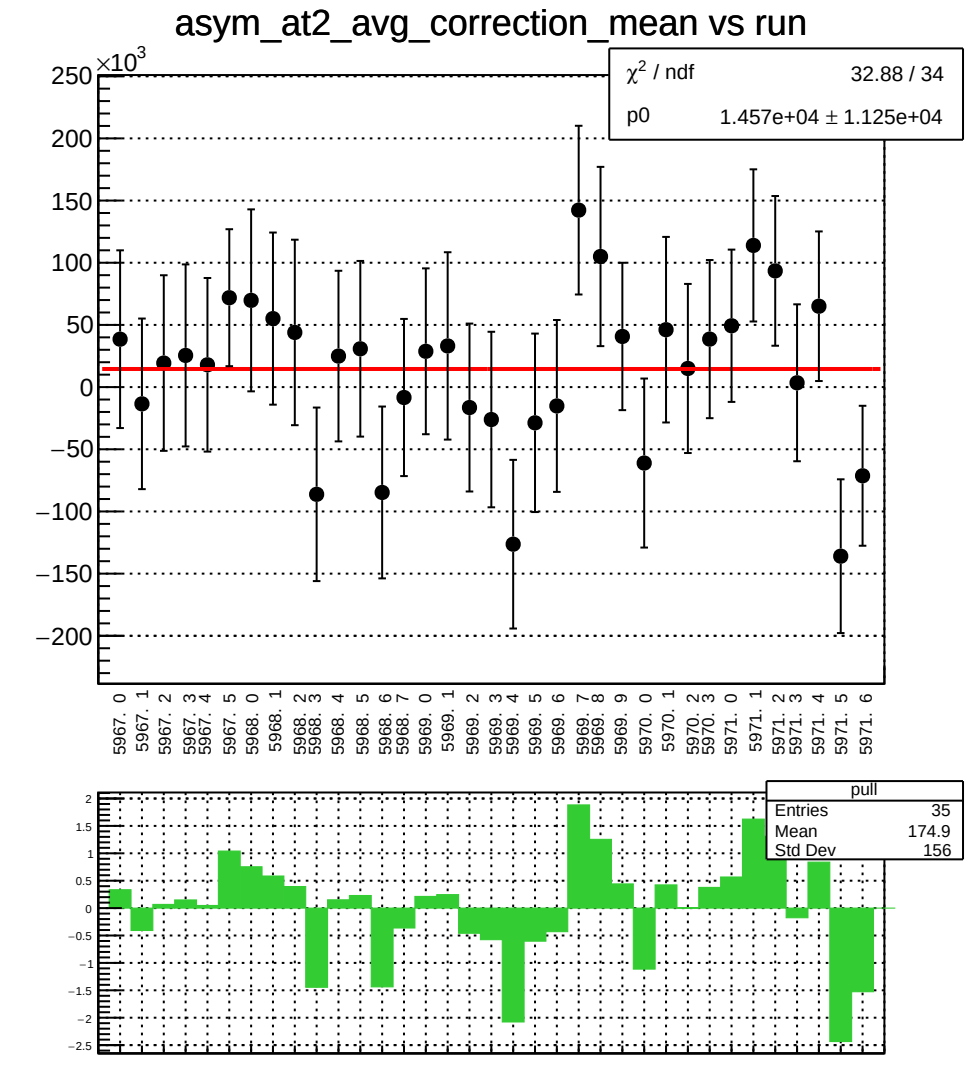

pull1D
Entries 35
Mean 0.006393
Std Dev 0.8229
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

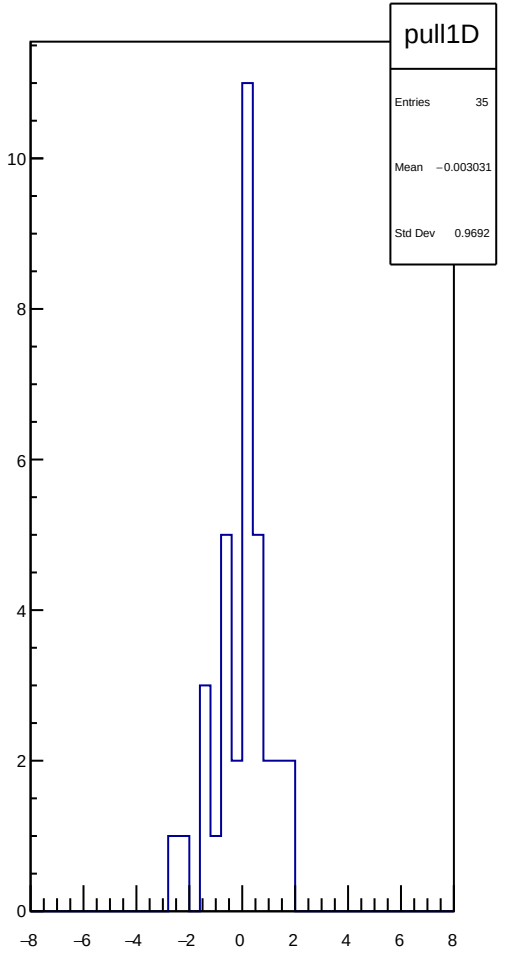

asym_at1_dd_rms vs run
χ² / ndf 155.5 / 34
p0 1956 ± 2.411
2040
2020
2000
1980
1960
1940
1920
1900
1880
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

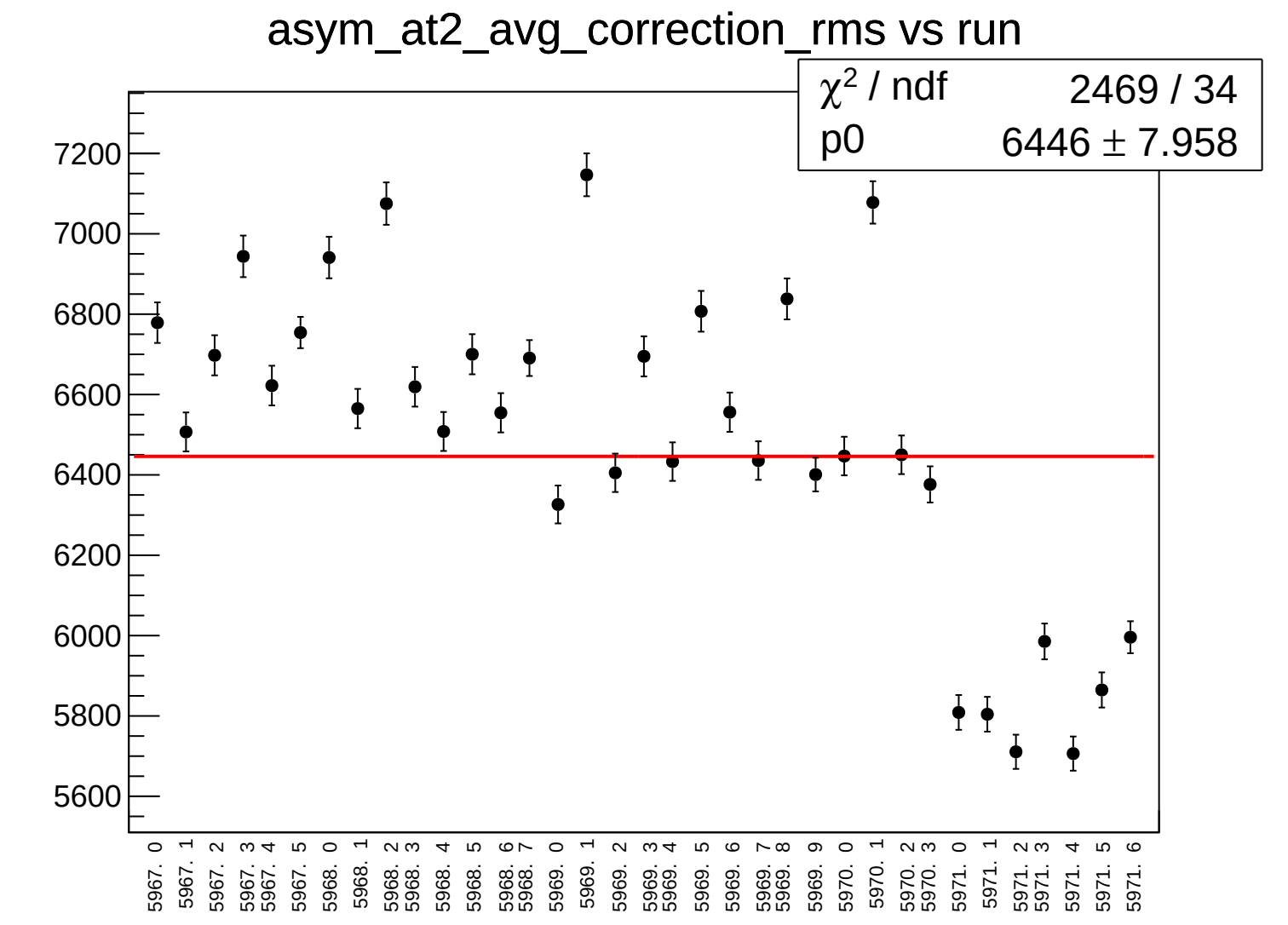

dit_asym_at2_avg_mean vs run
χ² / ndf 26.8 / 34
p0 3865 ± 2867
60000
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 123.3
Std Dev 90.17
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

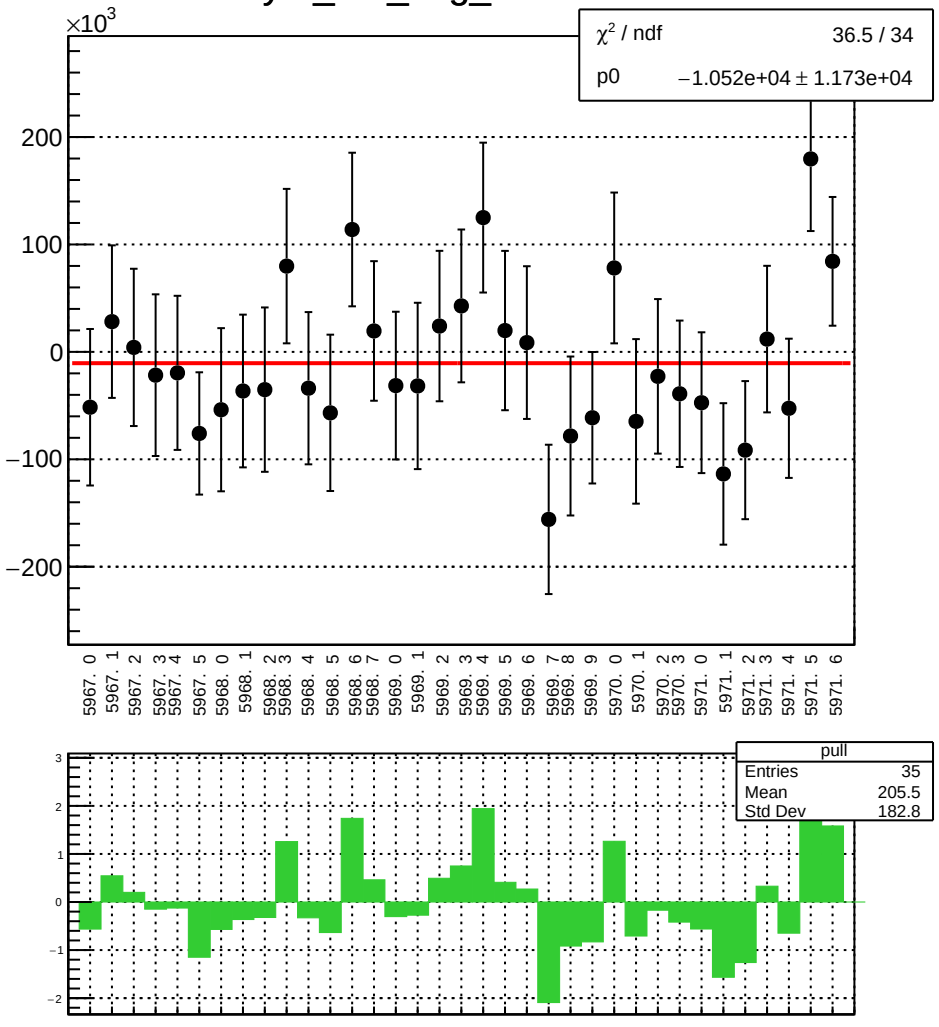

pull1D
Entries 35
Mean 0.007903
Std Dev 0.875
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

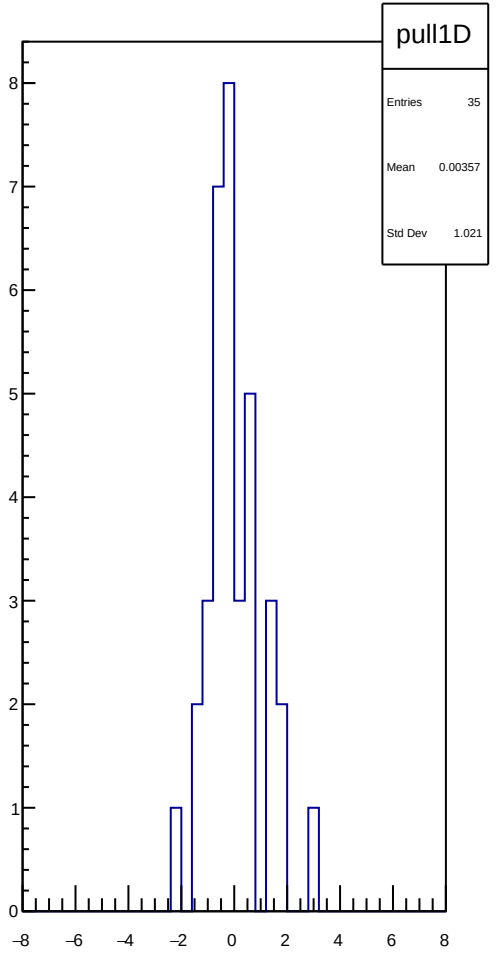

dit_asym_at2_avg_rms vs run
χ² / ndf 73.1 / 34
p0 1645 ± 2.028
1700
1680
1660
1640
1620
1600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

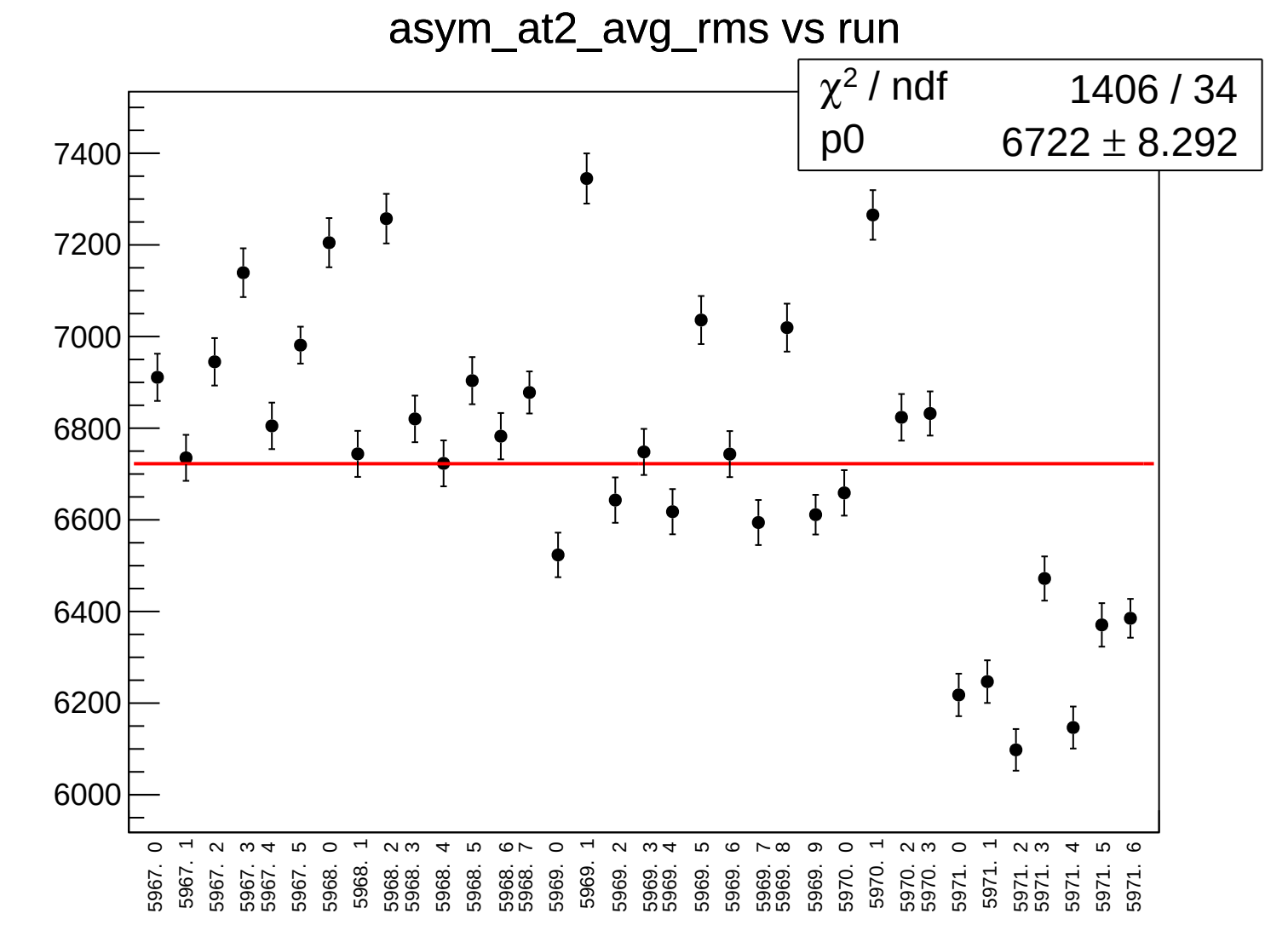

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 32.88 / 34
p0 1.457e+04 ± 1.125e+04
250
200
150
100
50
0
−50
−100
−150
−200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 174.9
Std Dev 156
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

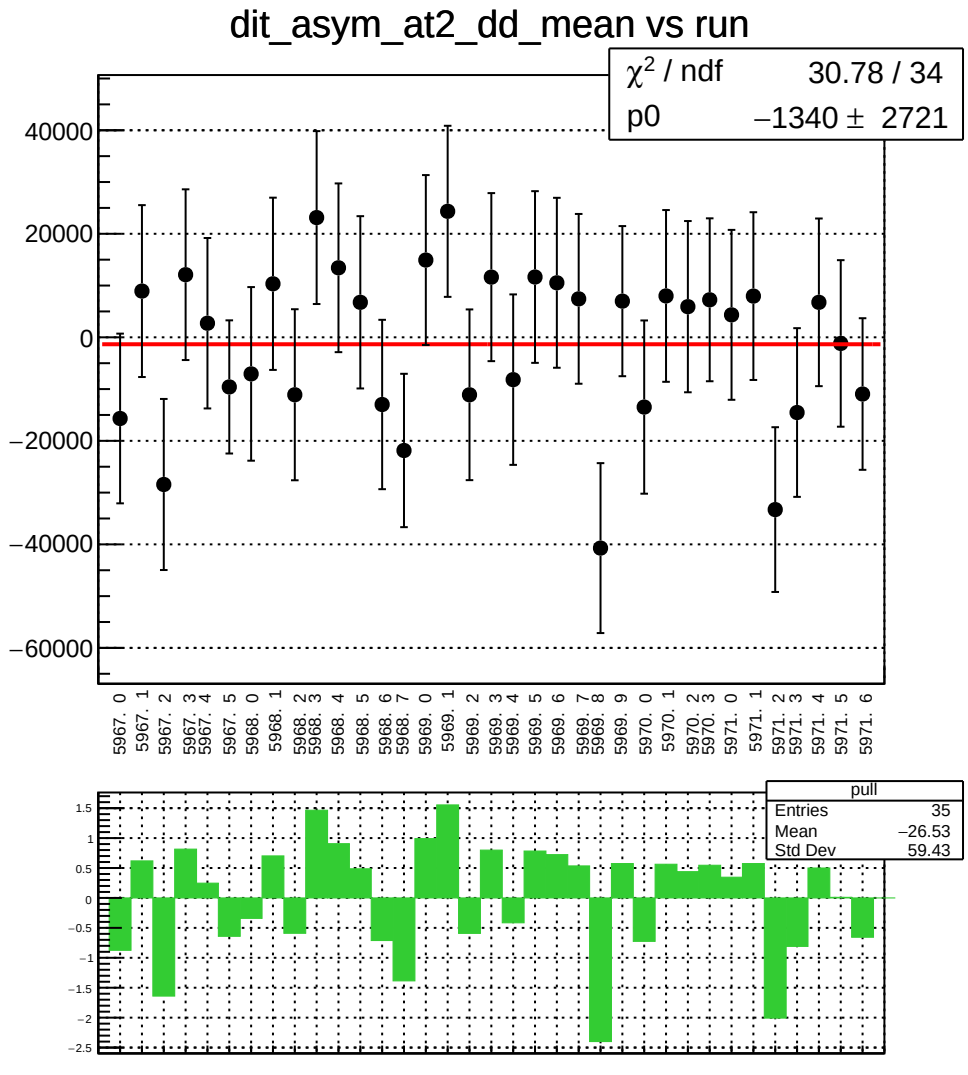

pull1D
Entries 35
Mean −0.003031
Std Dev 0.9692
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

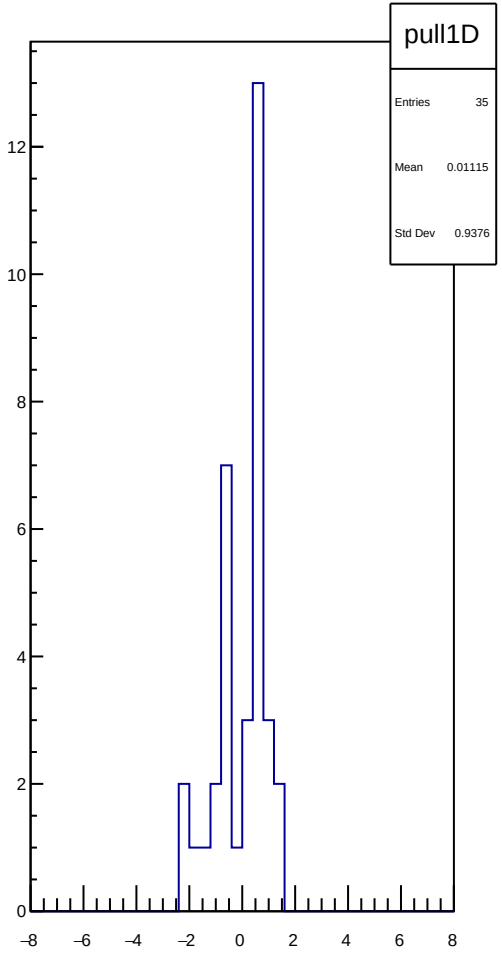

asym_at2_avg_correction_rms vs run
χ² / ndf 2469 / 34
p0 6446 ± 7.958
7200
7000
6800
6600
6400
6200
6000
5800
5600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

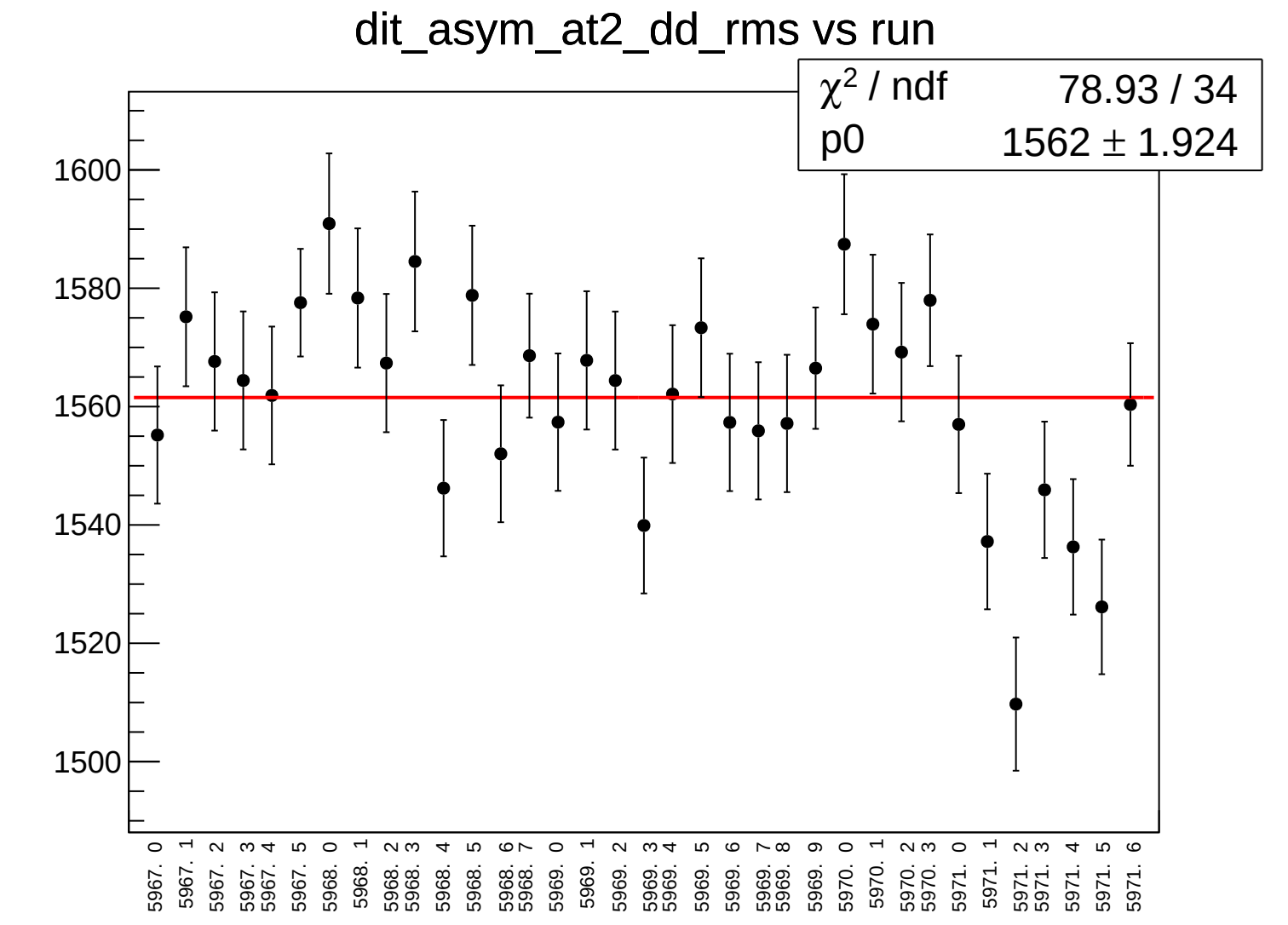

asym_at2_avg_mean vs run
×10^3
χ² / ndf 36.5 / 34
p0 −1.052e+04 ± 1.173e+04
200
100
0
−100
−200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 205.5
Std Dev 182.8
3
2
1
0
−1
−2

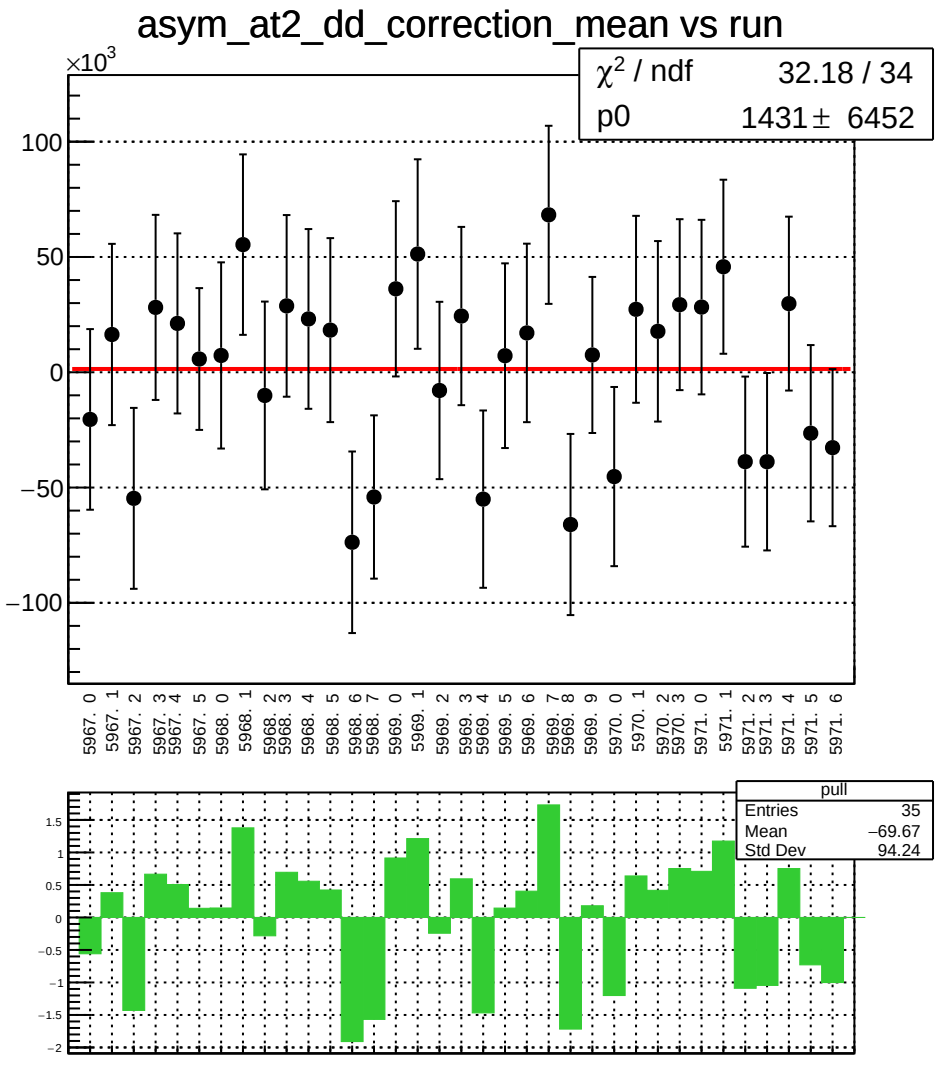

pull1D
Entries 35
Mean 0.00357
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

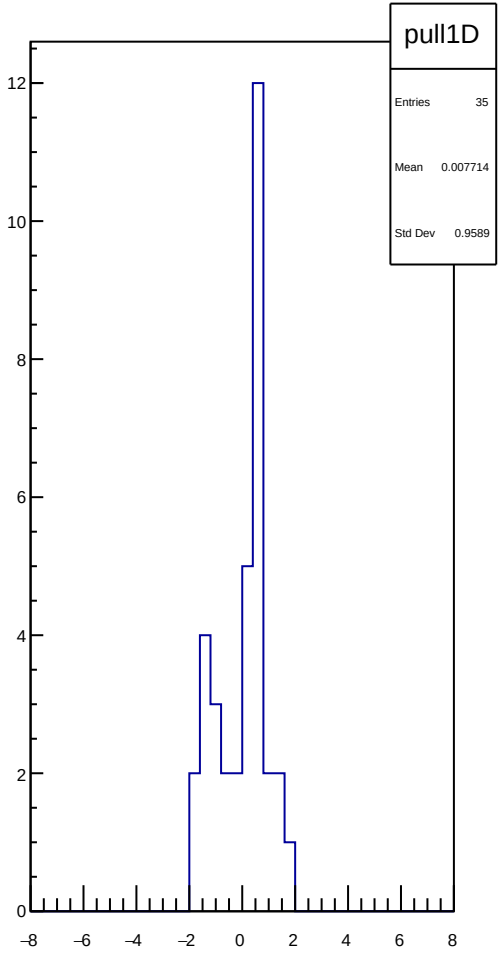

asym_at2_avg_rms vs run
χ² / ndf 1406 / 34
p0 6722 ± 8.292
7400
7200
7000
6800
6600
6400
6200
6000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

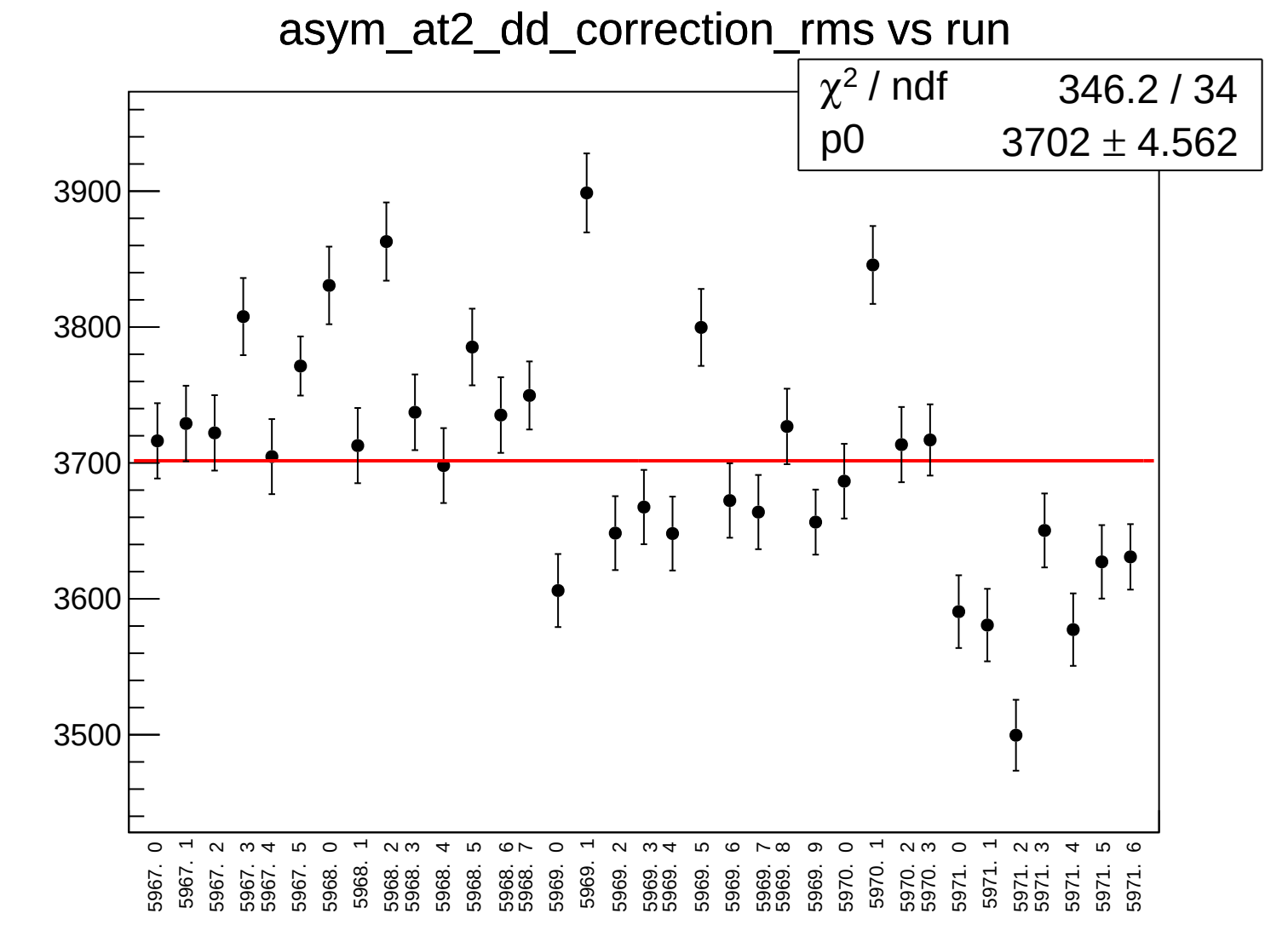

dit_asym_at2_dd_mean vs run
χ² / ndf 30.78 / 34
p0 −1340 ± 2721
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −26.53
Std Dev 59.43
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

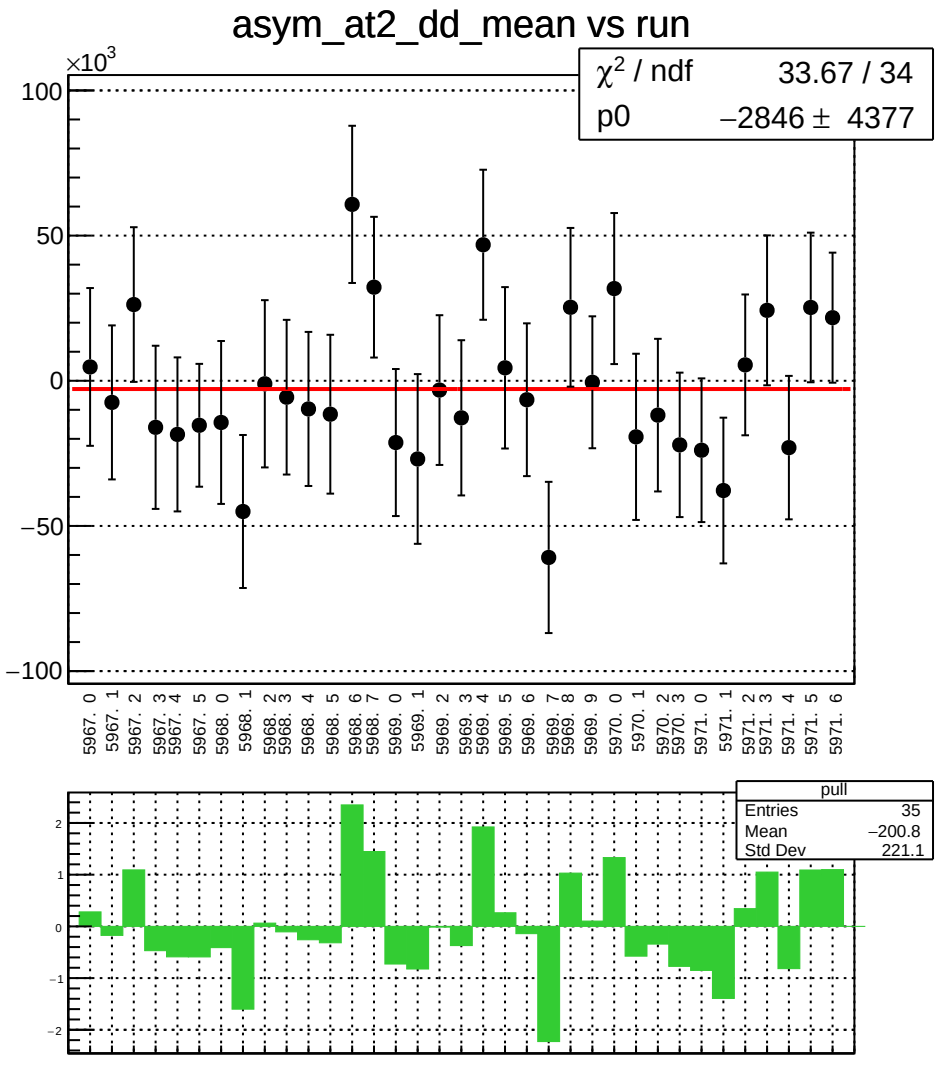

pull1D
Entries 35
Mean 0.01115
Std Dev 0.9376
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

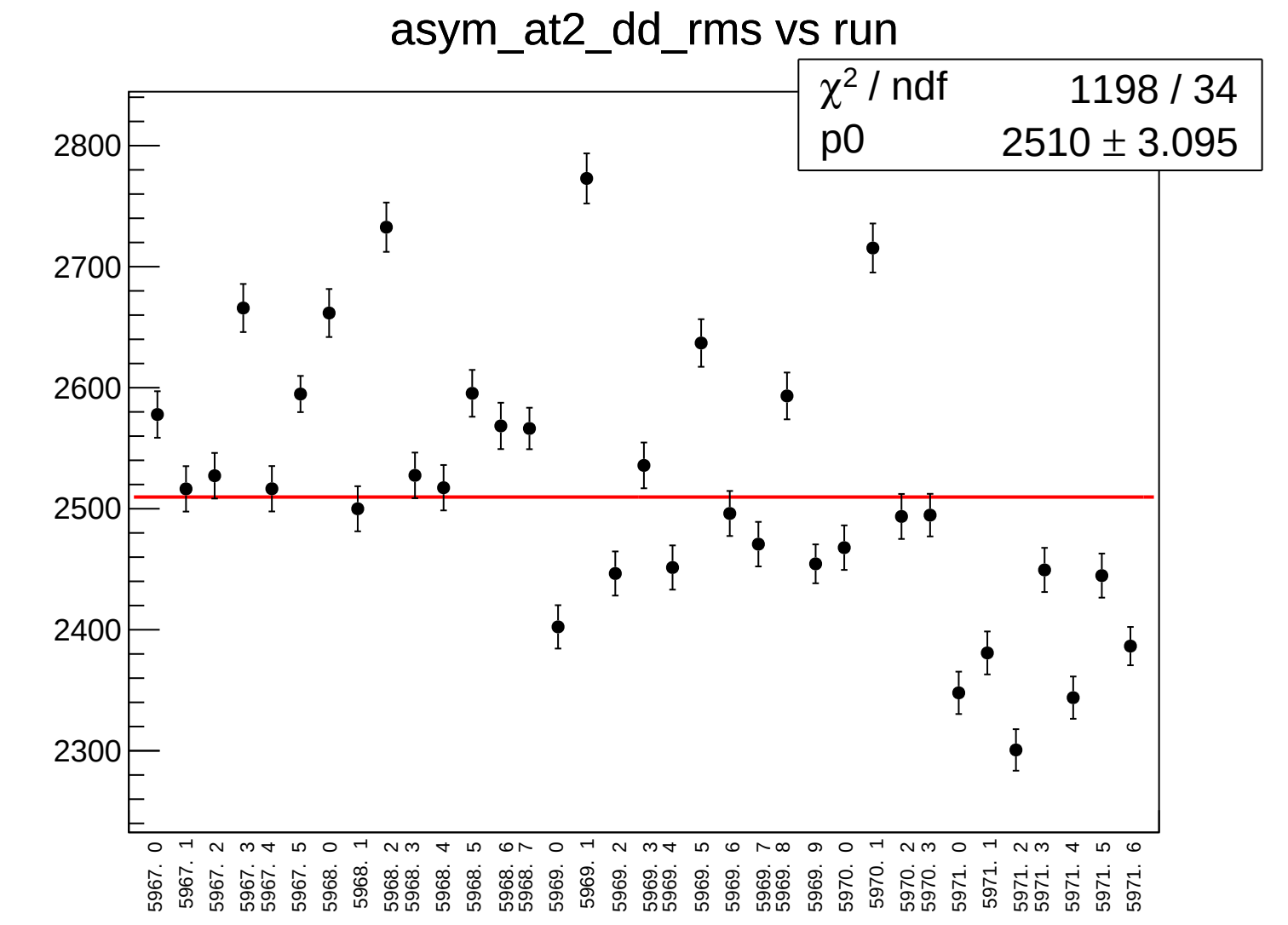

dit_asym_at2_dd_rms vs run
χ² / ndf 78.93 / 34
p0 1562 ± 1.924
1600
1580
1560
1540
1520
1500
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

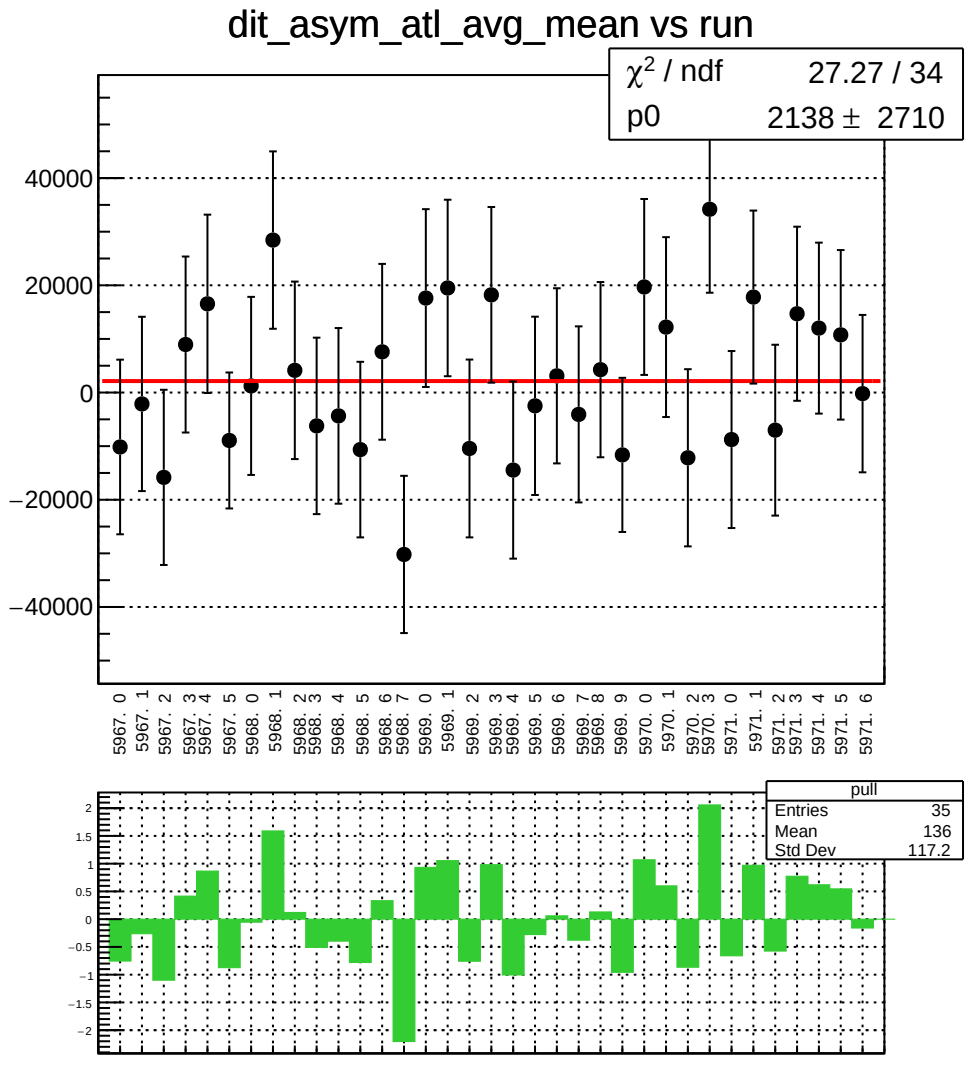

asym_at2_dd_correction_mean vs run
χ² / ndf 32.18 / 34
p0 1431 ± 6452
×10³
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −69.67
Std Dev 94.24
1.5
1
0.5
0
−0.5
−1
−1.5
−2

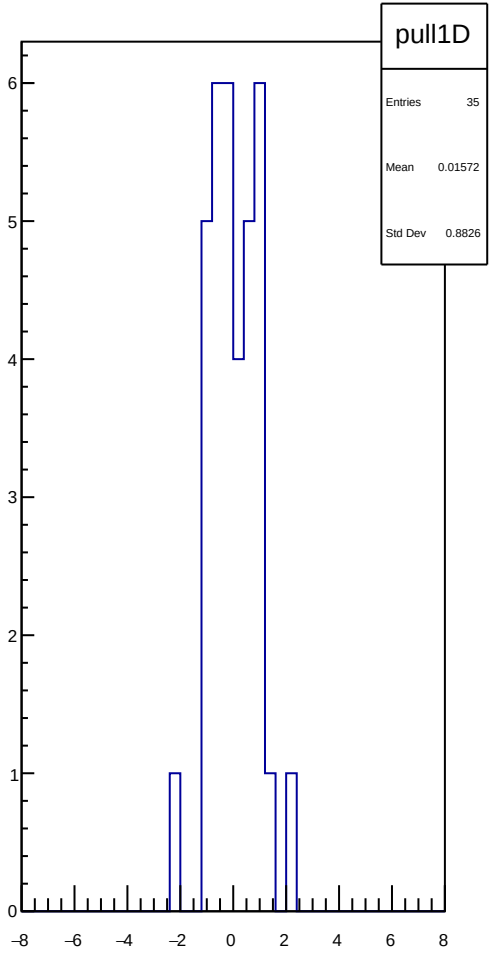

pull1D
Entries 35
Mean 0.007714
Std Dev 0.9589
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

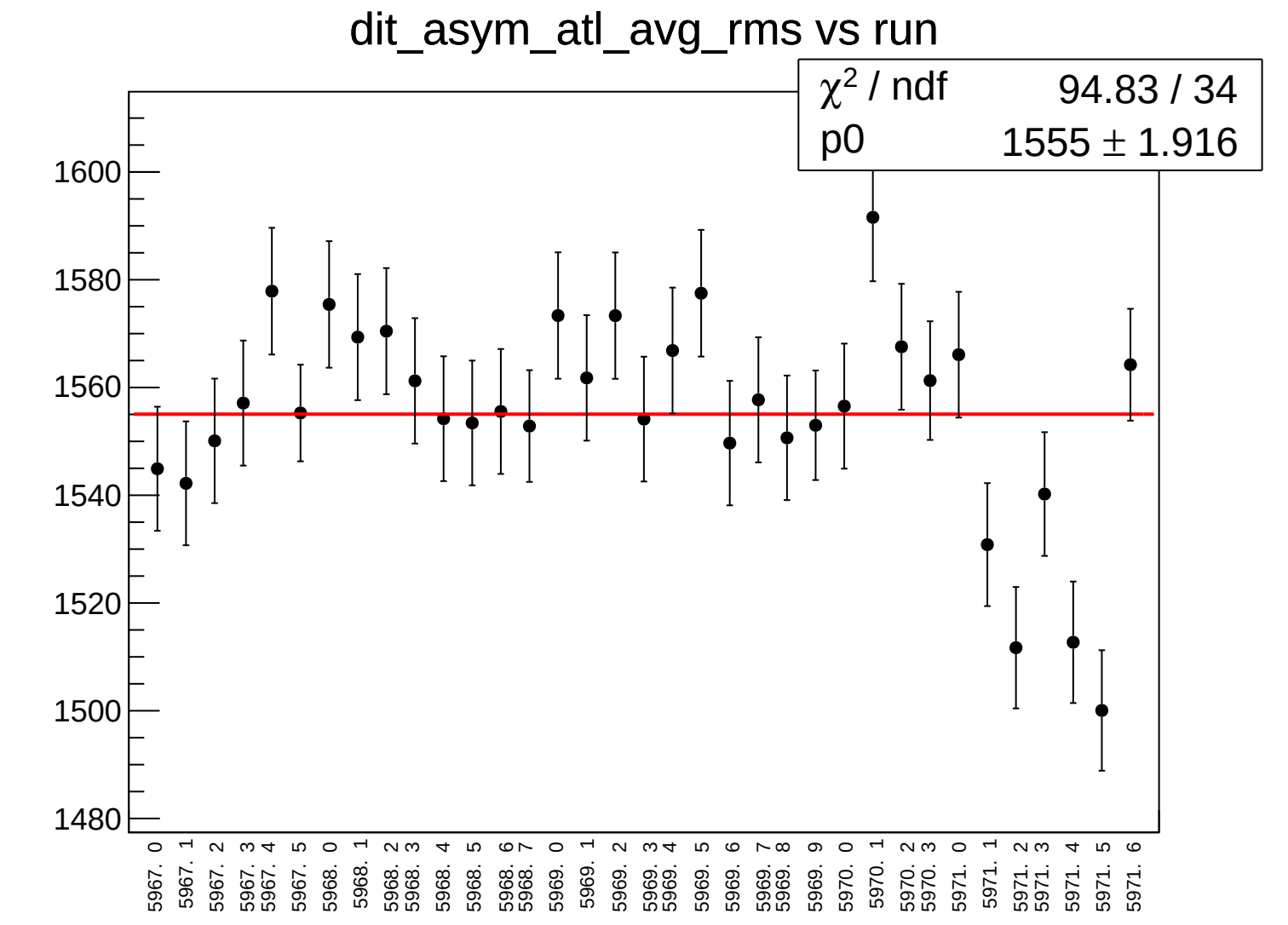

asym_at2_dd_correction_rms vs run
χ² / ndf 346.2 / 34
p0 3702 ± 4.562
3900
3800
3700
3600
3500
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

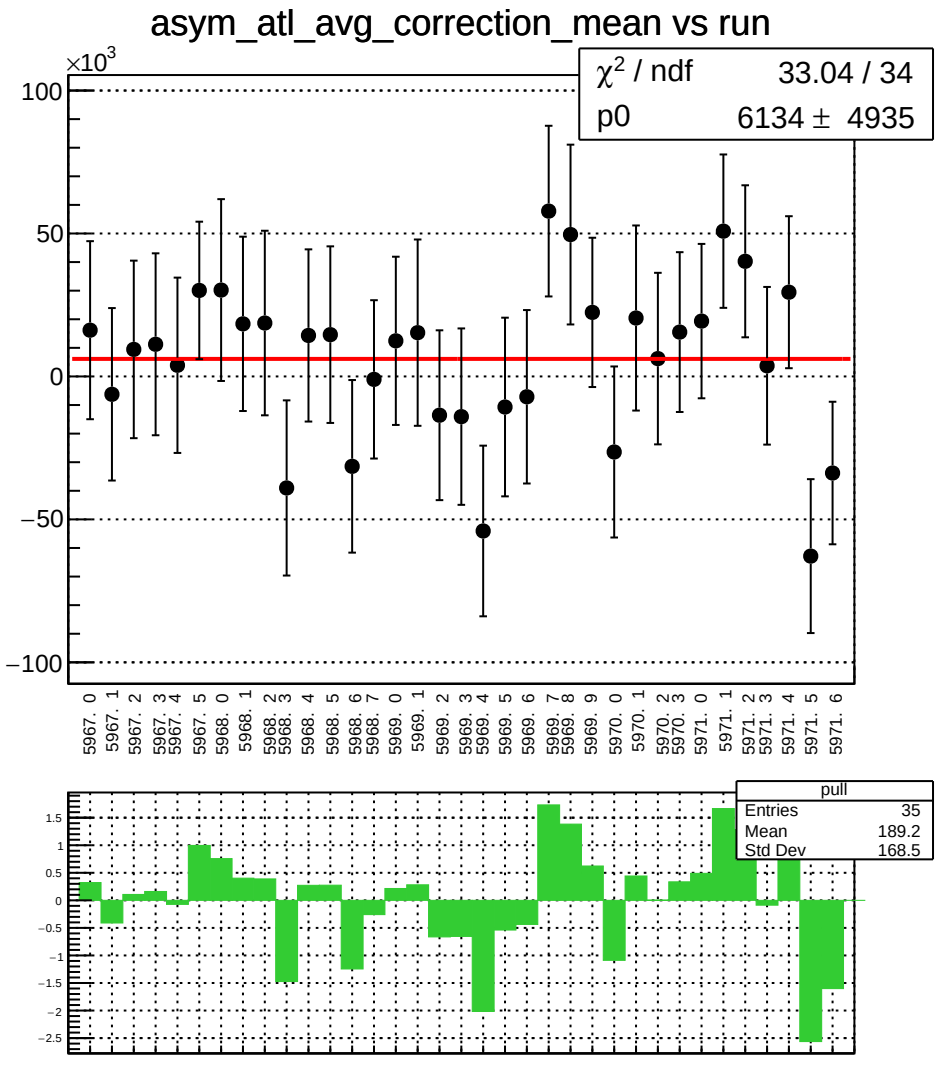

asym_at2_dd_mean vs run
×10^3
χ² / ndf 33.67 / 34
p0 −2846 ± 4377
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −200.8
Std Dev 221.1
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.003073
Std Dev 0.9808
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

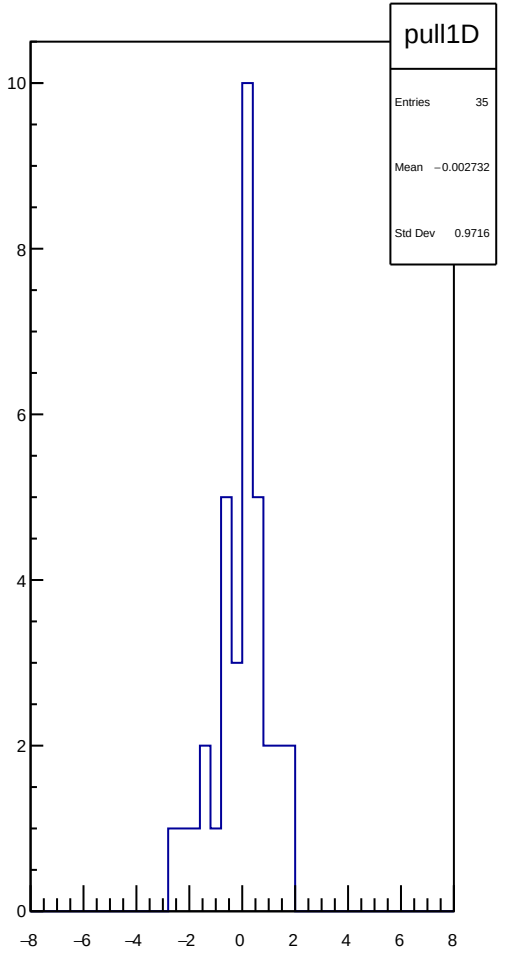

asym_at2_dd_rms vs run
χ² / ndf 1198 / 34
p0 2510 ± 3.095
2800
2700
2600
2500
2400
2300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

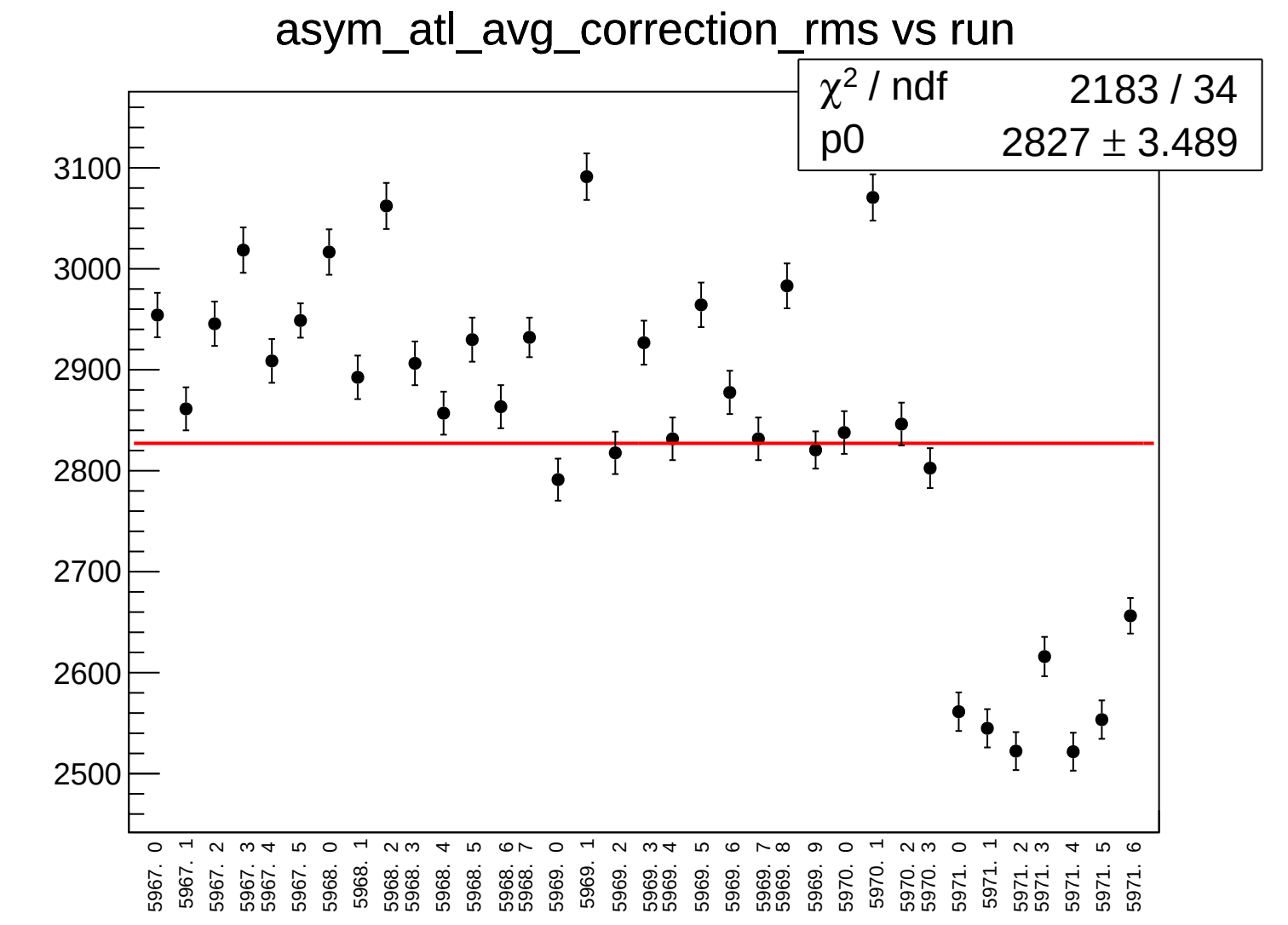

dit_asym_atl_avg_mean vs run
χ² / ndf 27.27 / 34
p0 2138 ± 2710
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 136
Std Dev 117.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

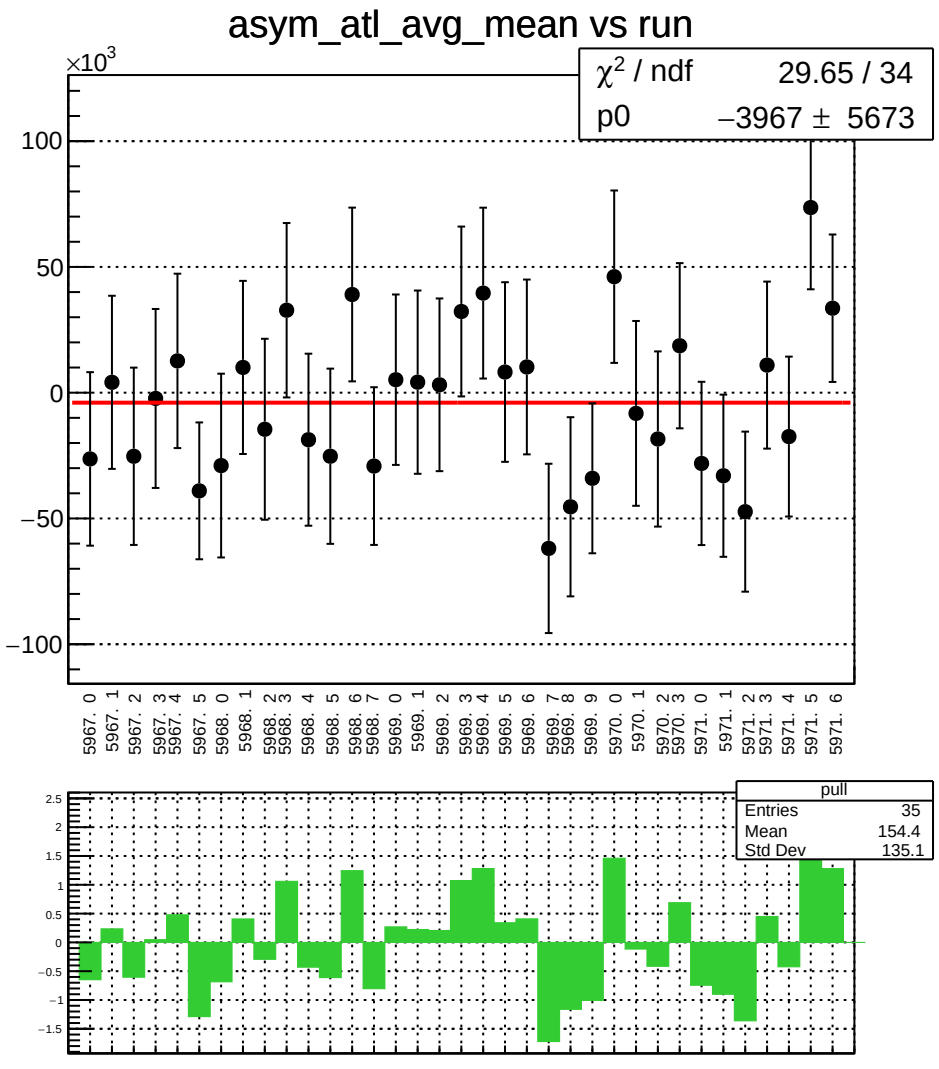

pull1D
Entries 35
Mean 0.01572
Std Dev 0.8826
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

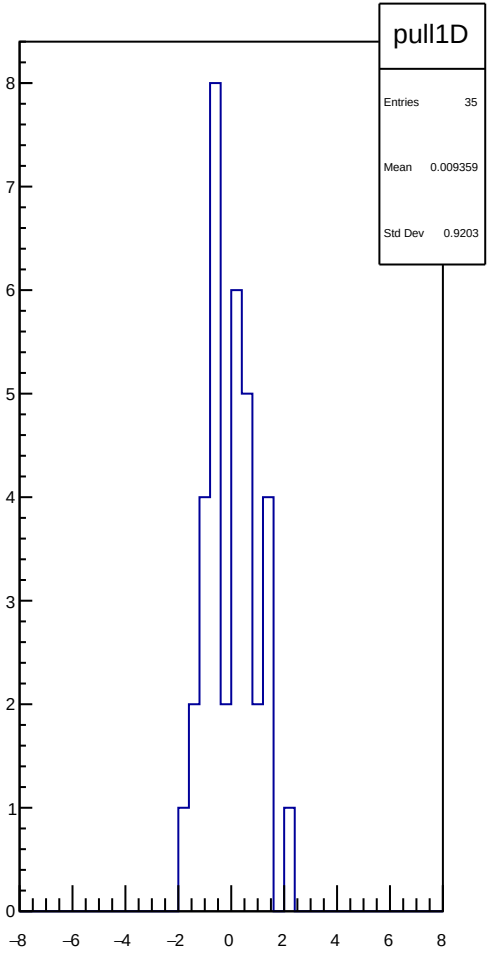

dit_asym_atl_avg_rms vs run
χ² / ndf 94.83 / 34
p0 1555 ± 1.916
1600
1580
1560
1540
1520
1500
1480
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

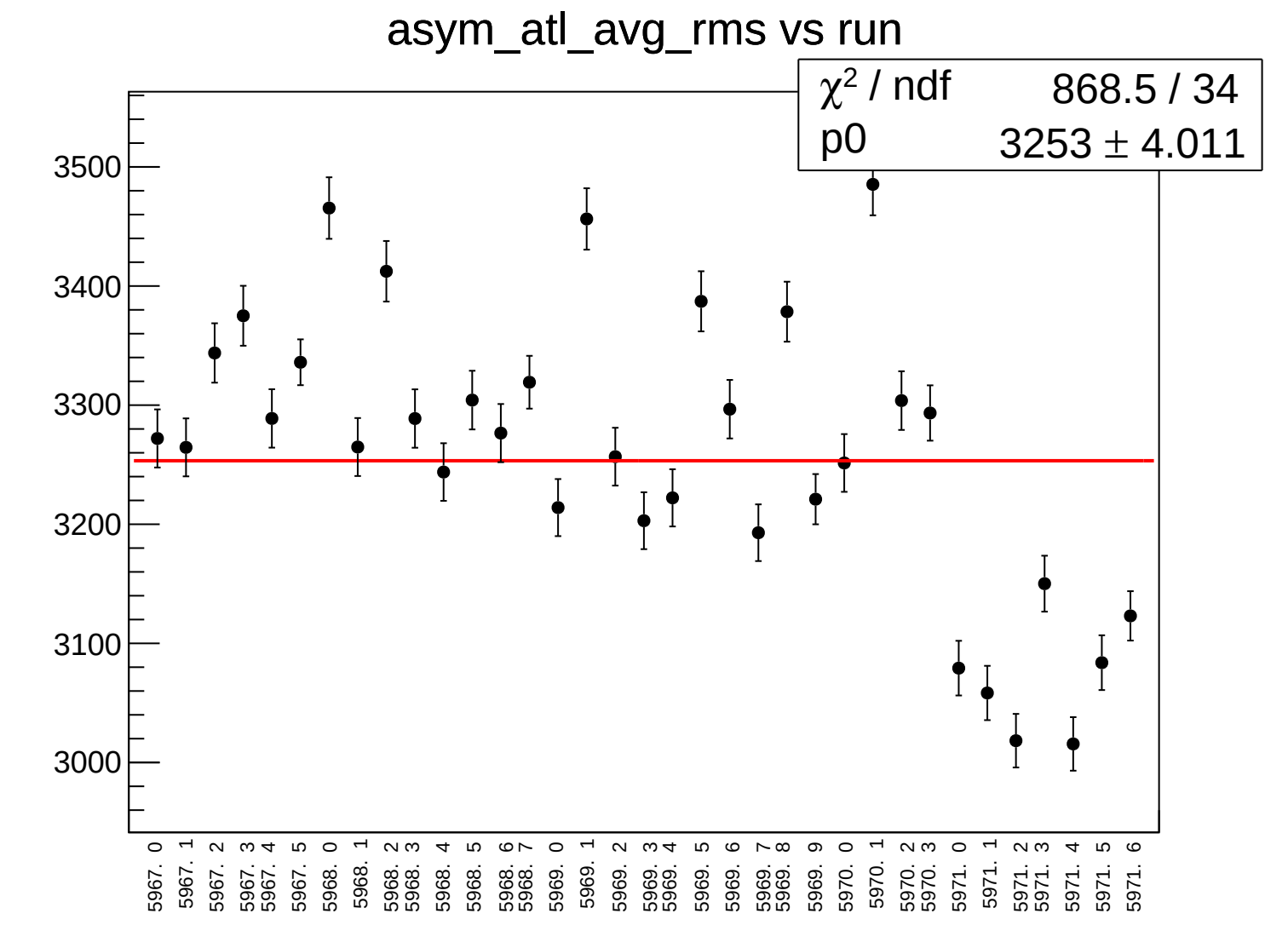

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 33.04 / 34
p0 6134 ± 4935
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 189.2
Std Dev 168.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

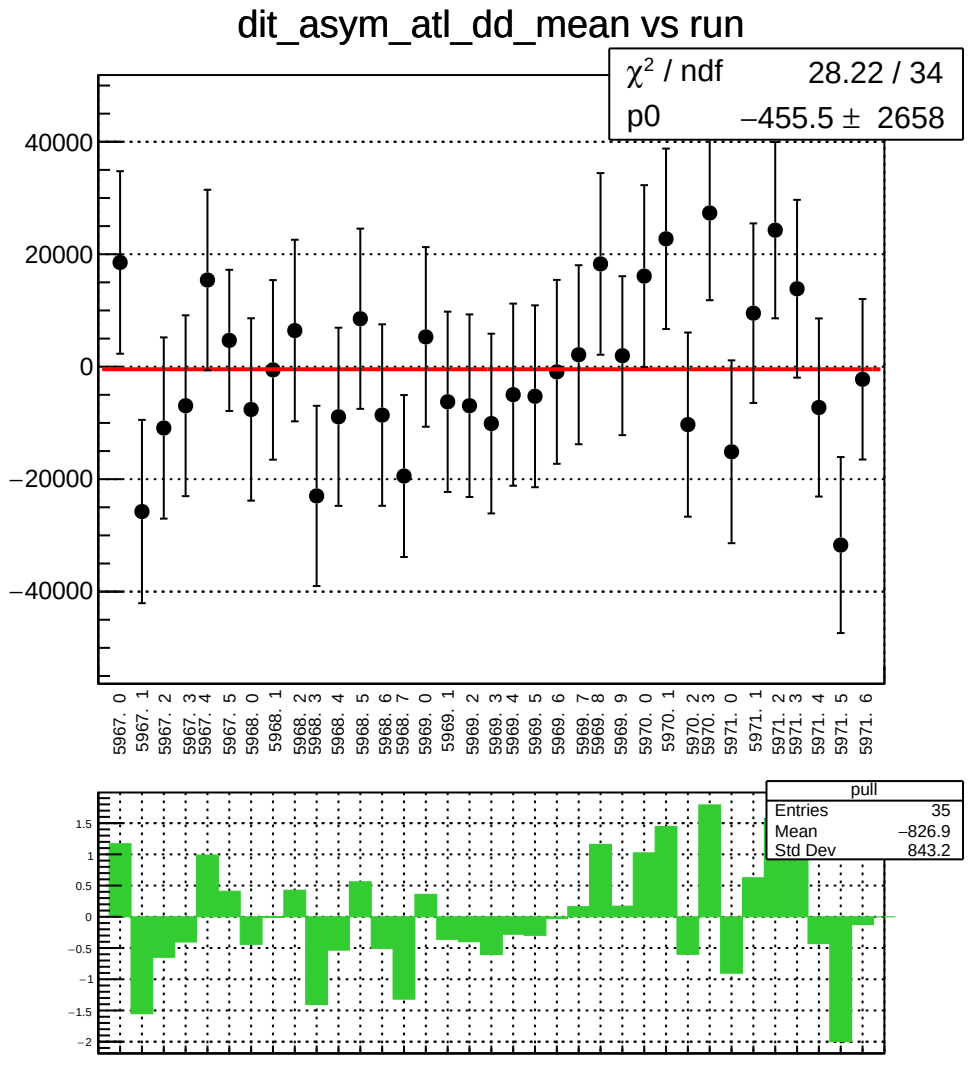

pull1D
Entries 35
Mean −0.002732
Std Dev 0.9716
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

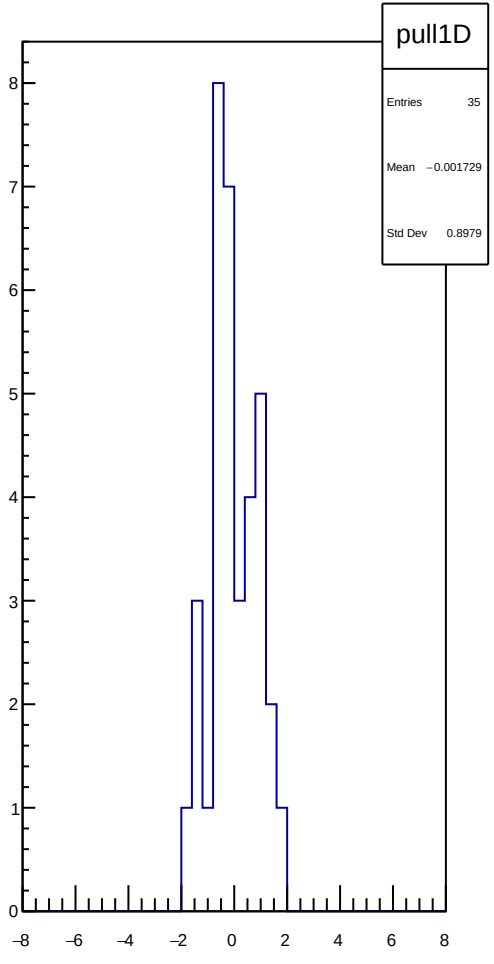

asym_atl_avg_correction_rms vs run
χ² / ndf 2183 / 34
p0 2827 ± 3.489
3100
3000
2900
2800
2700
2600
2500
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

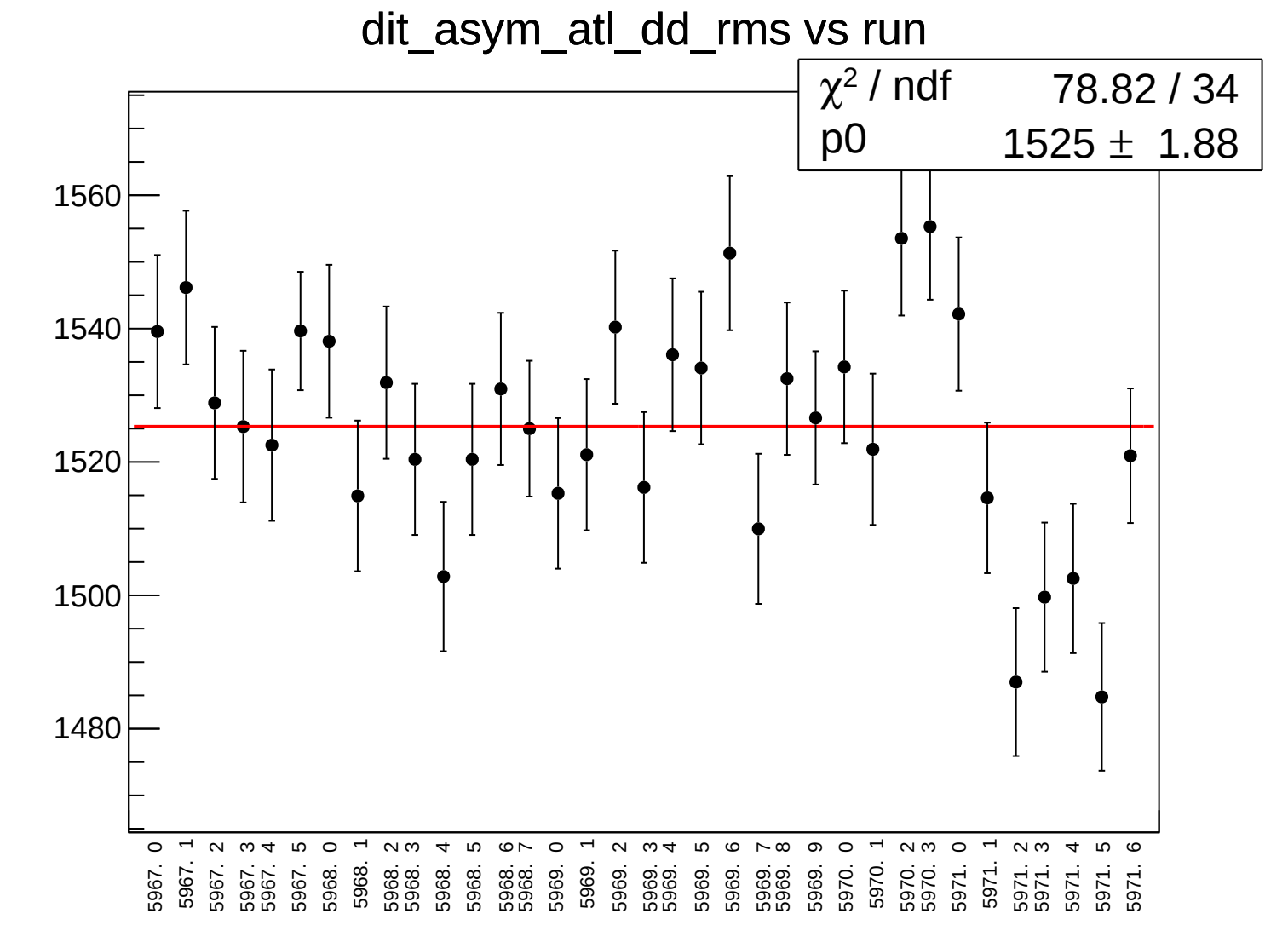

asym_atl_avg_mean vs run
×10^3
χ² / ndf 29.65 / 34
p0 −3967 ± 5673
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 154.4
Std Dev 135.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

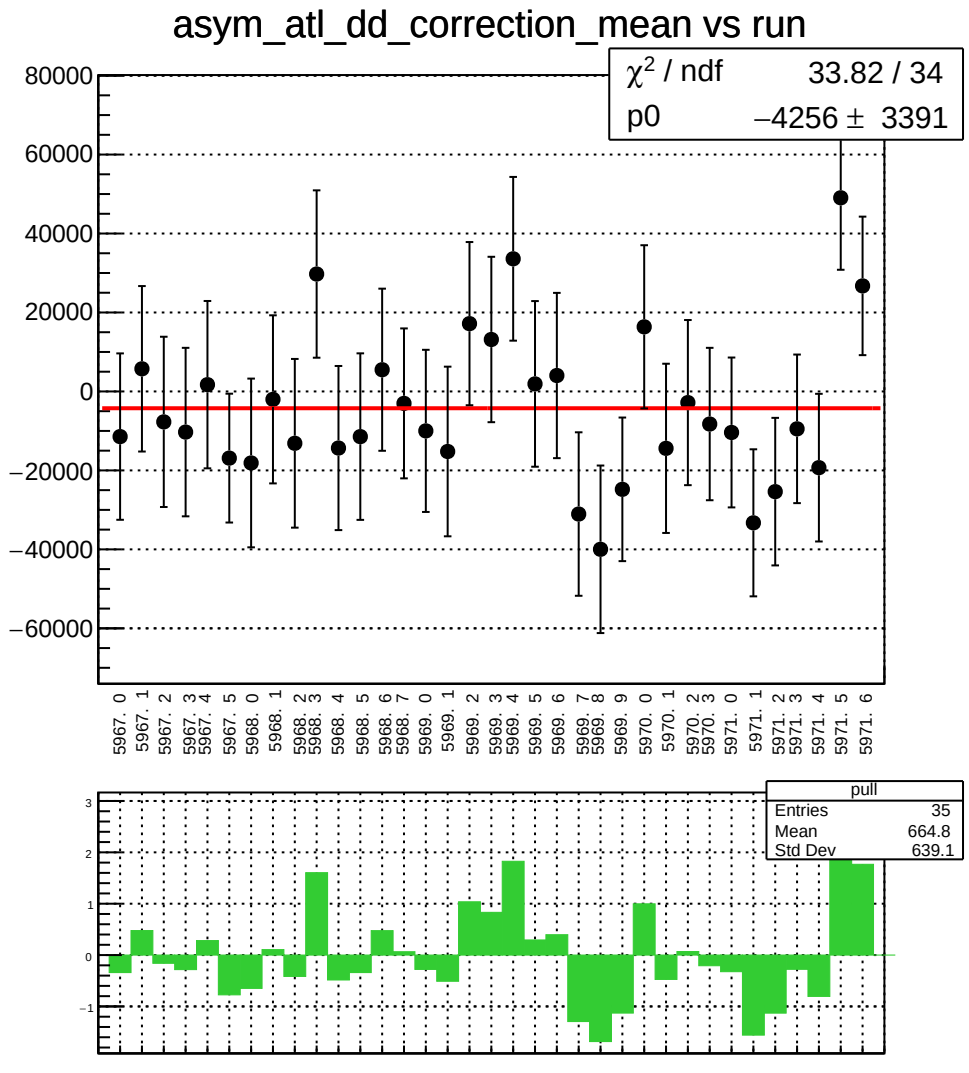

pull1D
Entries 35
Mean 0.009359
Std Dev 0.9203
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

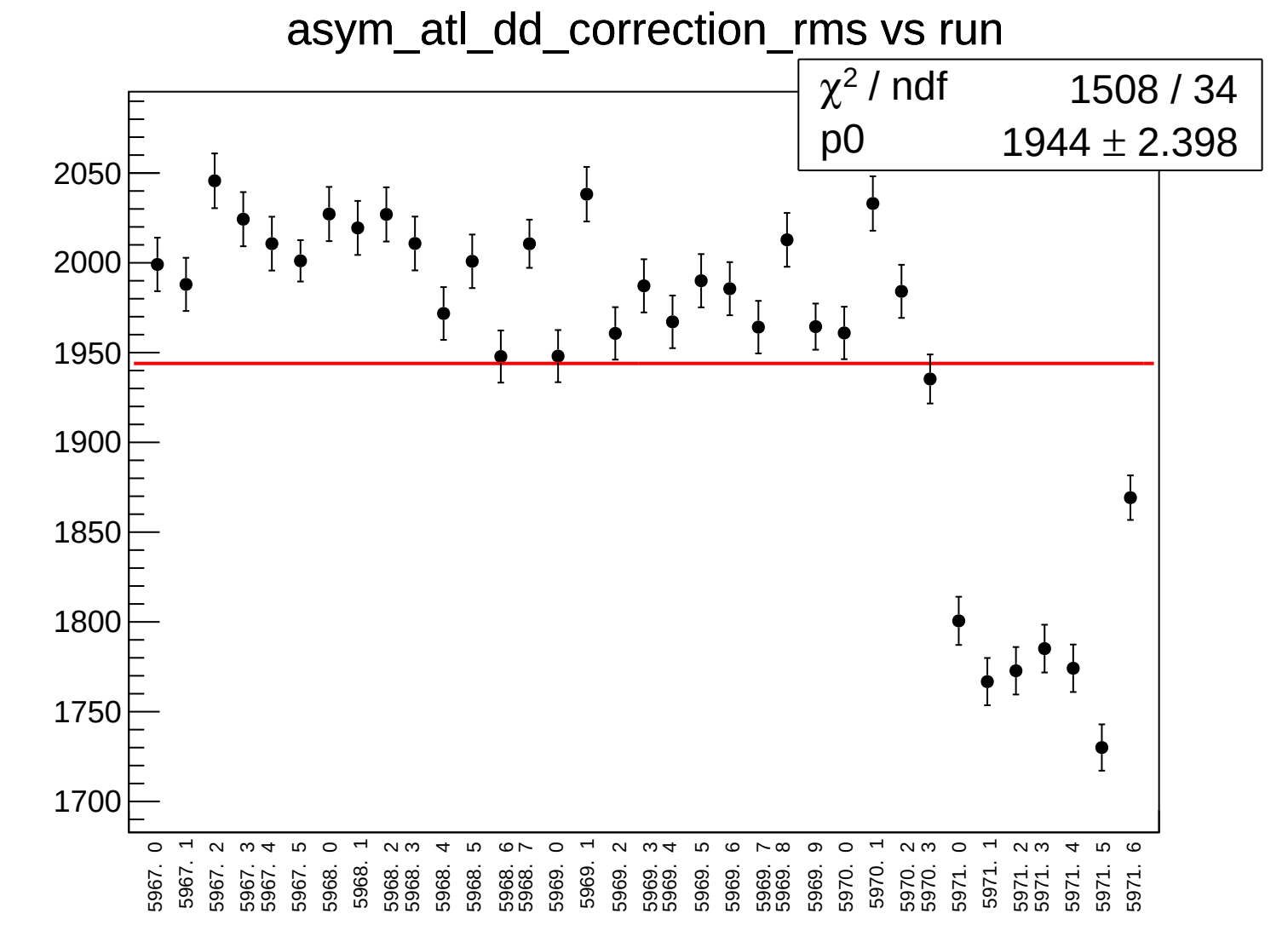

asym_atl_avg_rms vs run
χ² / ndf 868.5 / 34
p0 3253 ± 4.011
3500
3400
3300
3200
3100
3000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

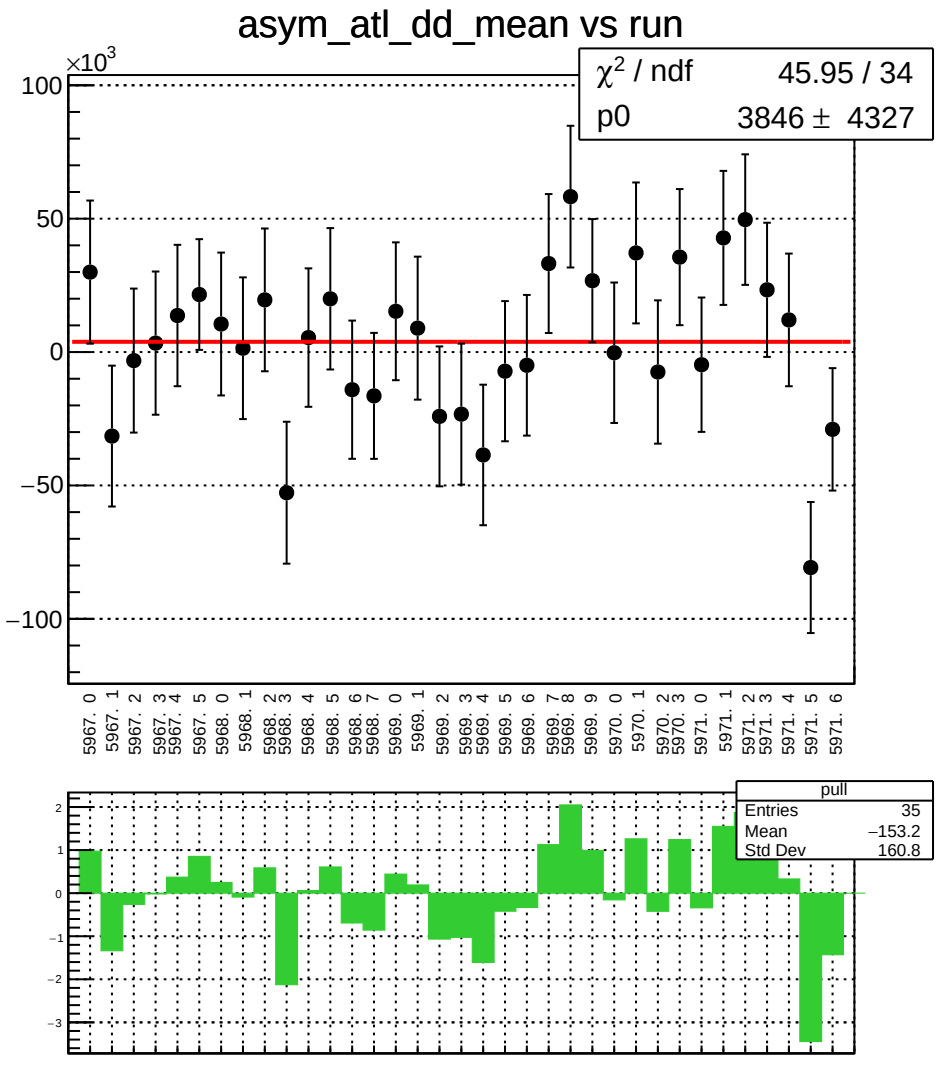

dit_asym_atl_dd_mean vs run
χ² / ndf 28.22 / 34
p0 −455.5 ± 2658
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −826.9
Std Dev 843.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

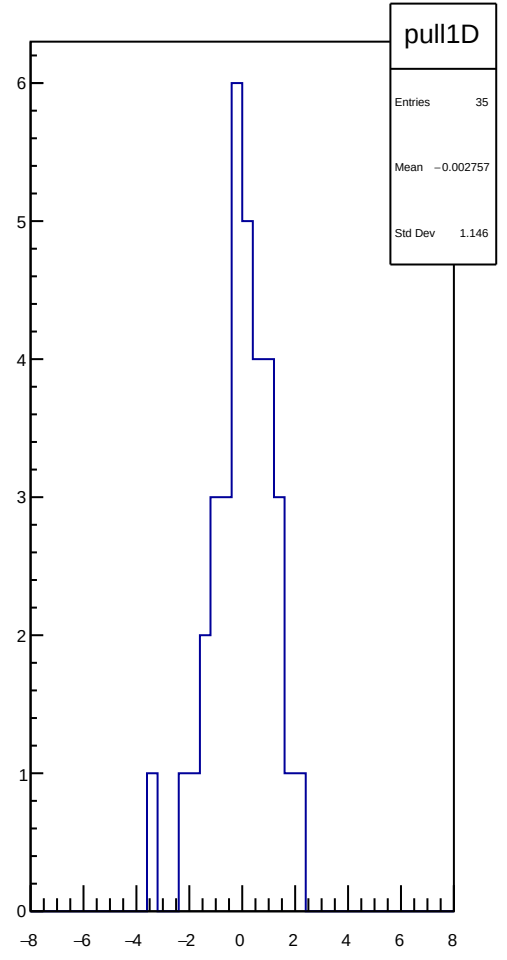

pull1D
Entries 35
Mean −0.001729
Std Dev 0.8979
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

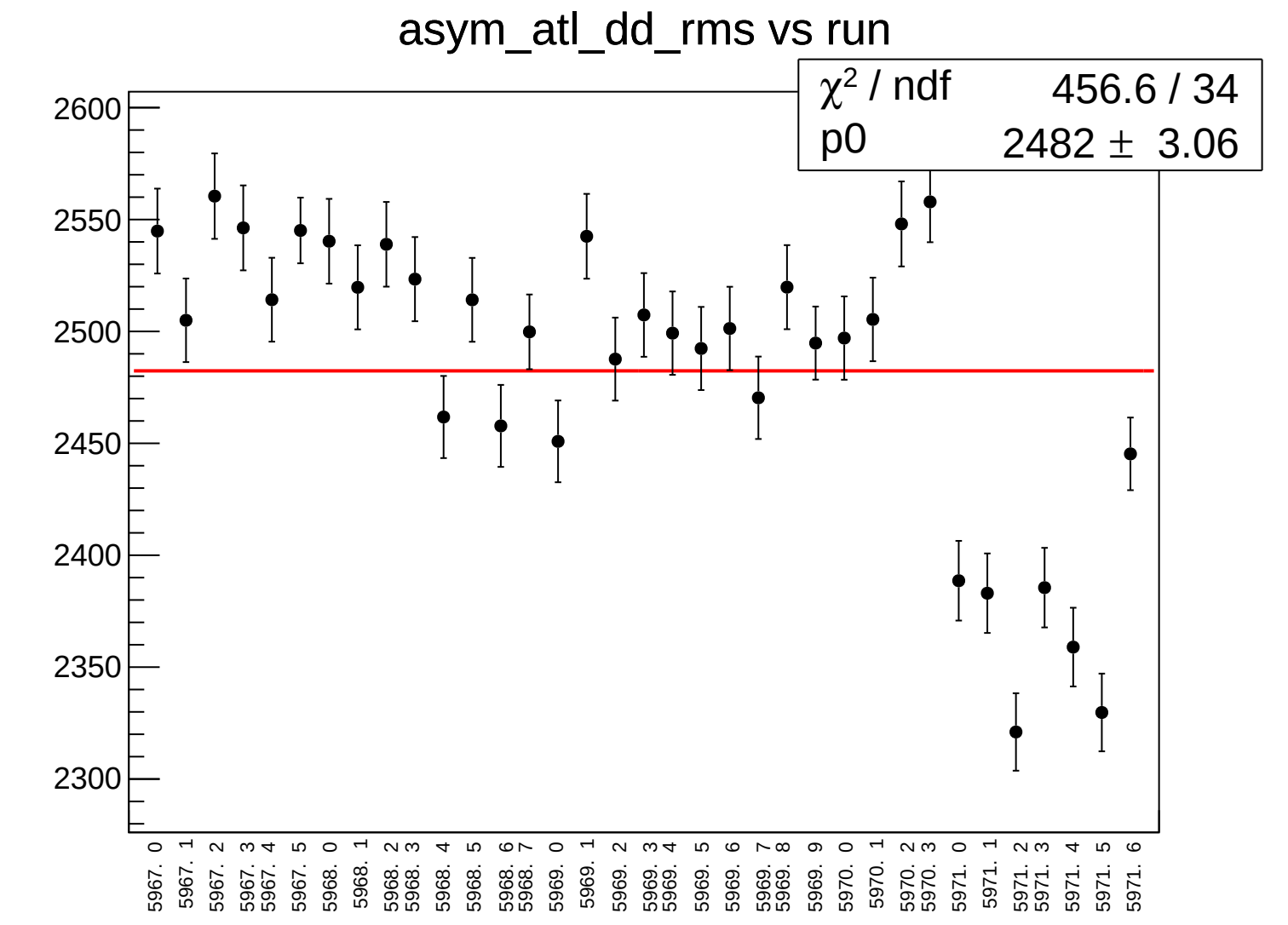

dit_asym_atl_dd_rms vs run
χ² / ndf 78.82 / 34
p0 1525 ± 1.88
1560
1540
1520
1500
1480
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

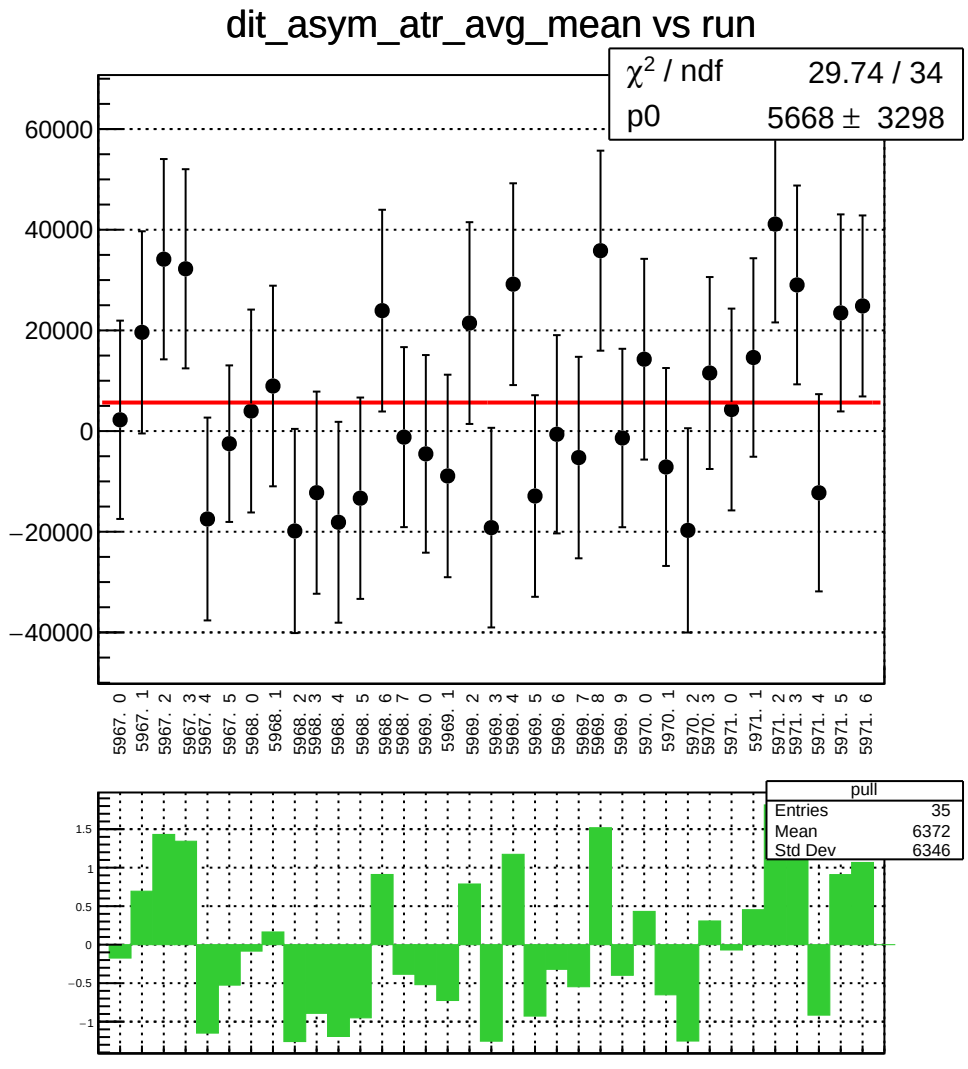

asym_atl_dd_correction_mean vs run
χ² / ndf 33.82 / 34
p0 −4256 ± 3391
80000
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 664.8
Std Dev 639.1
3
2
1
0
−1
pull1D
Entries 35
Mean 0.0008665
Std Dev 0.983
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

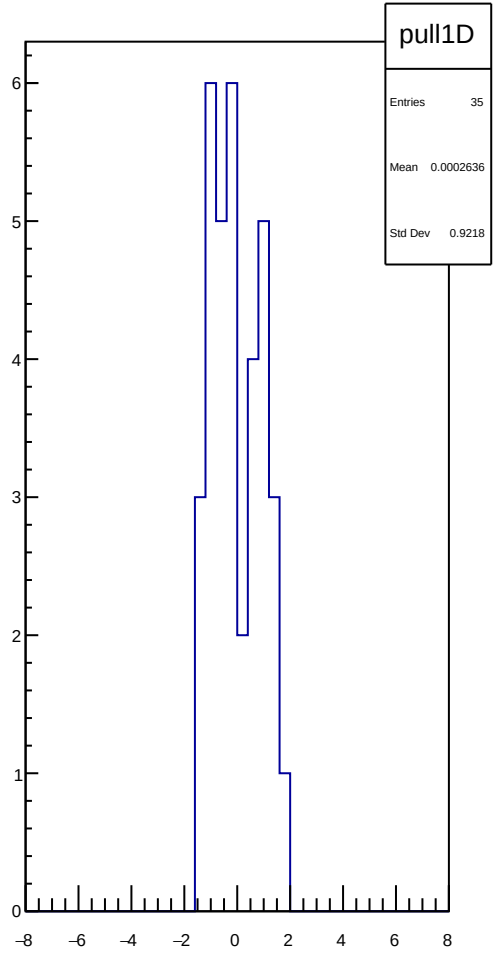

asym_atl_dd_correction_rms vs run
χ² / ndf 1508 / 34
p0 1944 ± 2.398
2050
2000
1950
1900
1850
1800
1750
1700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

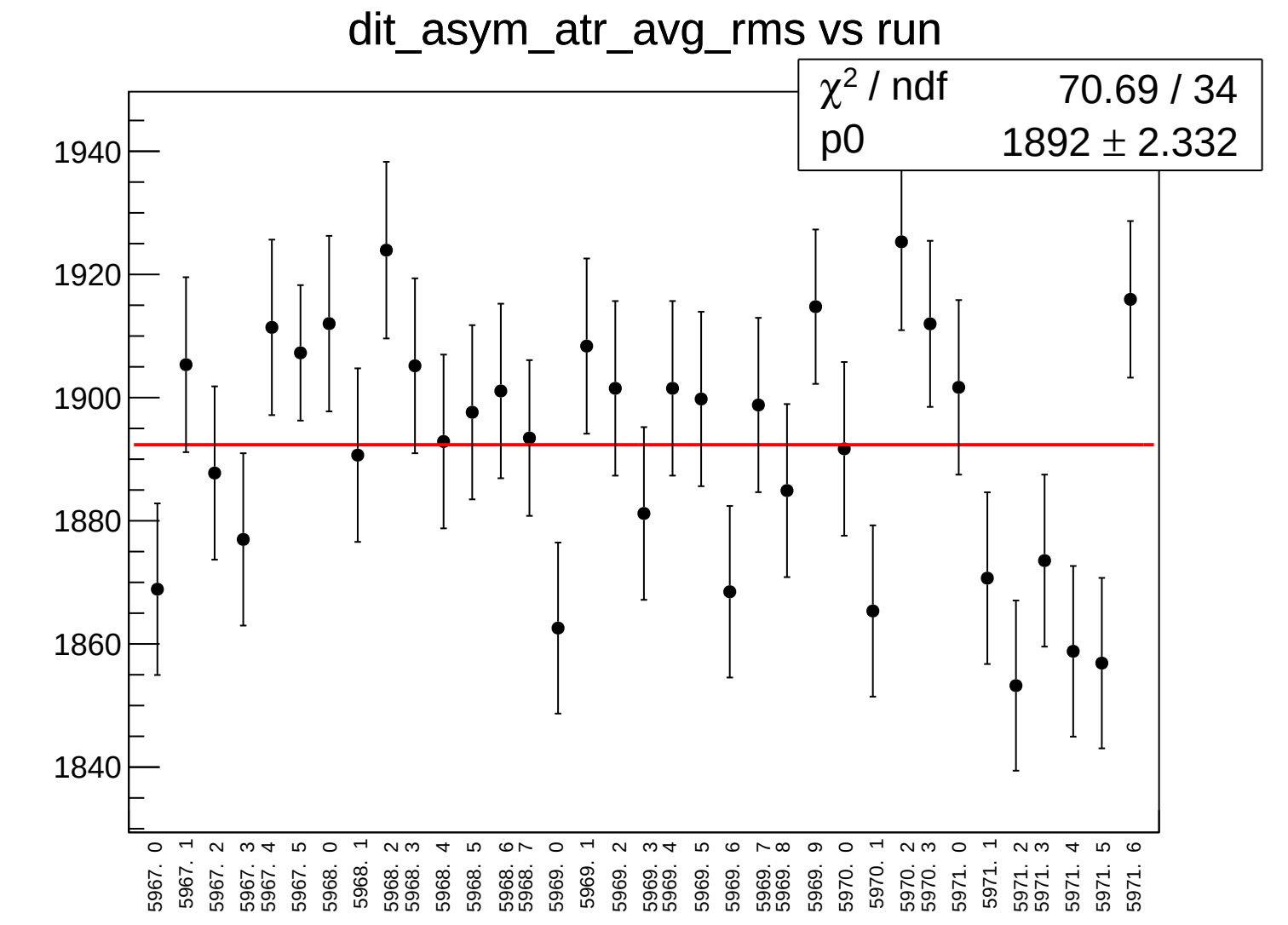

asym_atl_dd_mean vs run
×10^3
χ² / ndf 45.95 / 34
p0 3846 ± 4327
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −153.2
Std Dev 160.8
2
1
0
−1
−2
−3

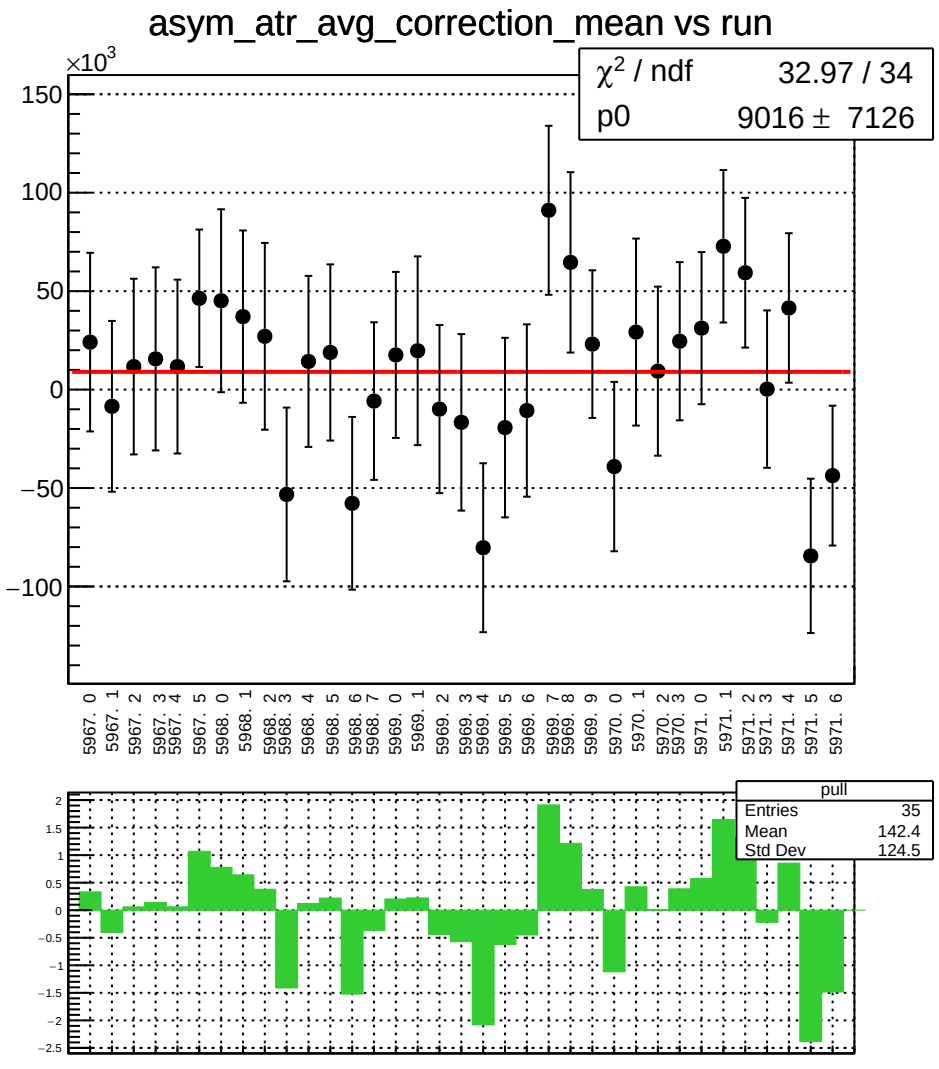

pull1D
Entries 35
Mean −0.002757
Std Dev 1.146
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

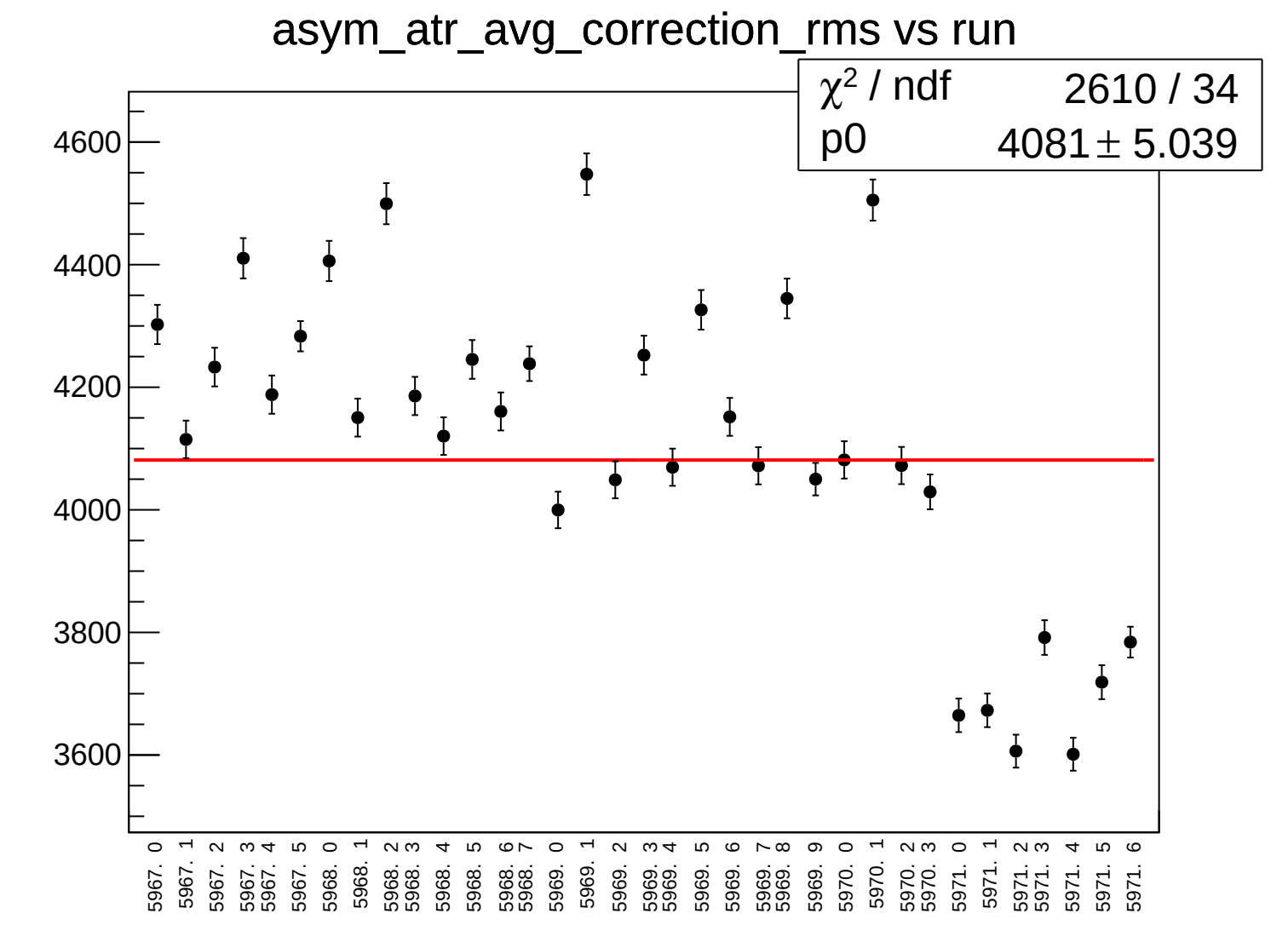

asym_atl_dd_rms vs run
χ² / ndf 456.6 / 34
p0 2482 ± 3.06
2600
2550
2500
2450
2400
2350
2300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

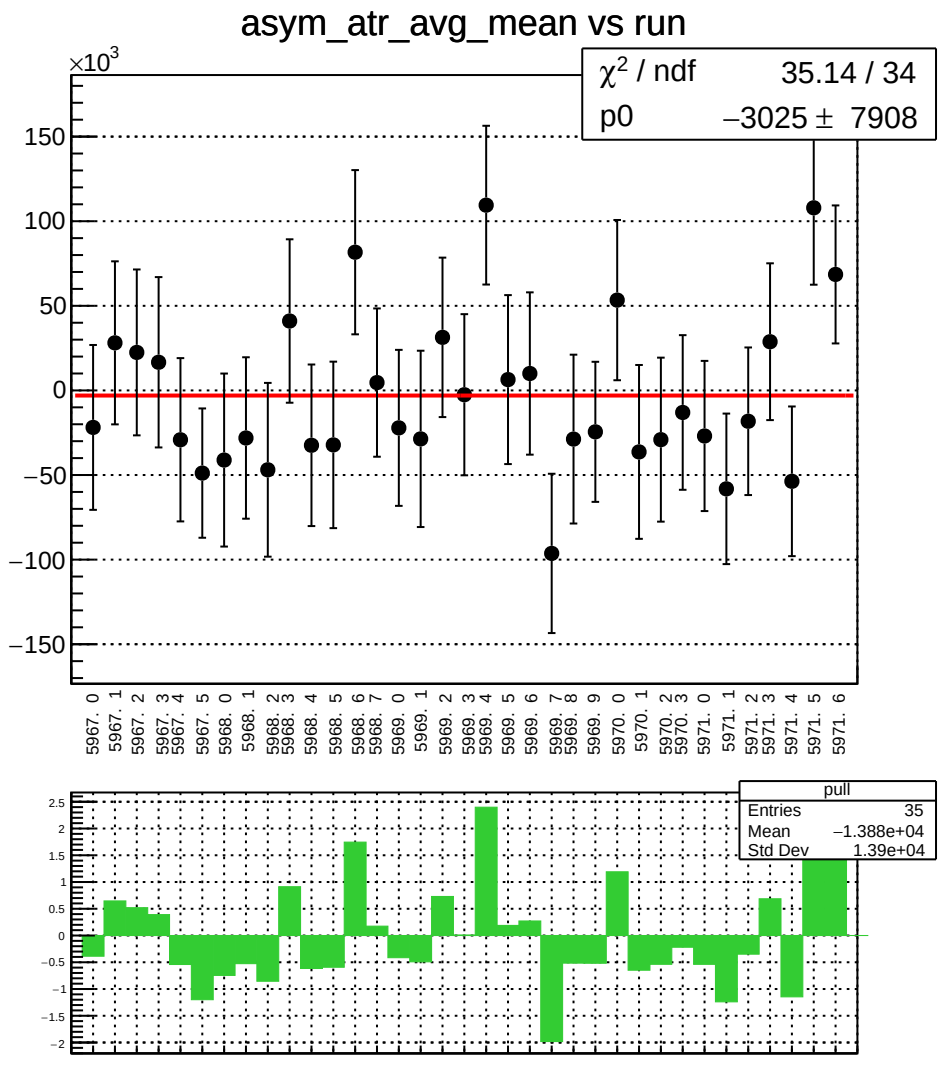

dit_asym_atr_avg_mean vs run
χ² / ndf 29.74 / 34
p0 5668 ± 3298
60000
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 6372
Std Dev 6346
1.5
1
0.5
0
−0.5
−1

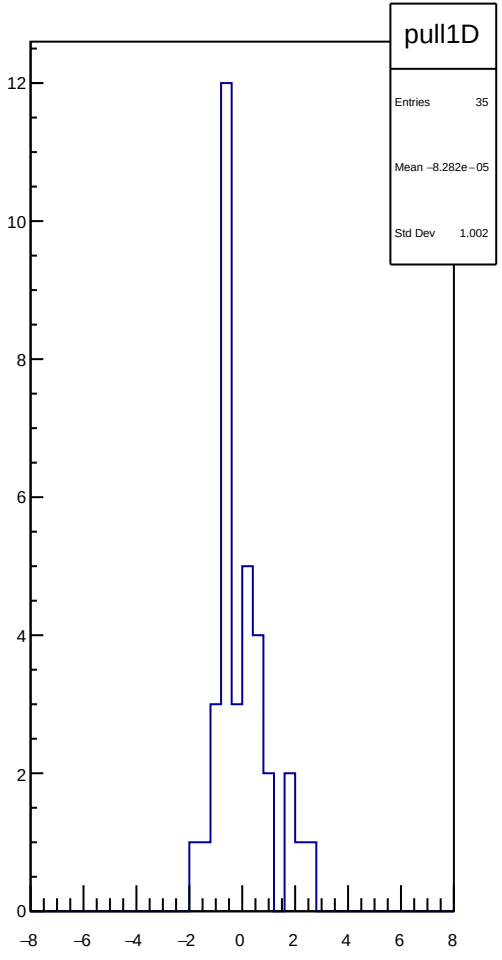

pull1D
Entries 35
Mean 0.0002636
Std Dev 0.9218
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

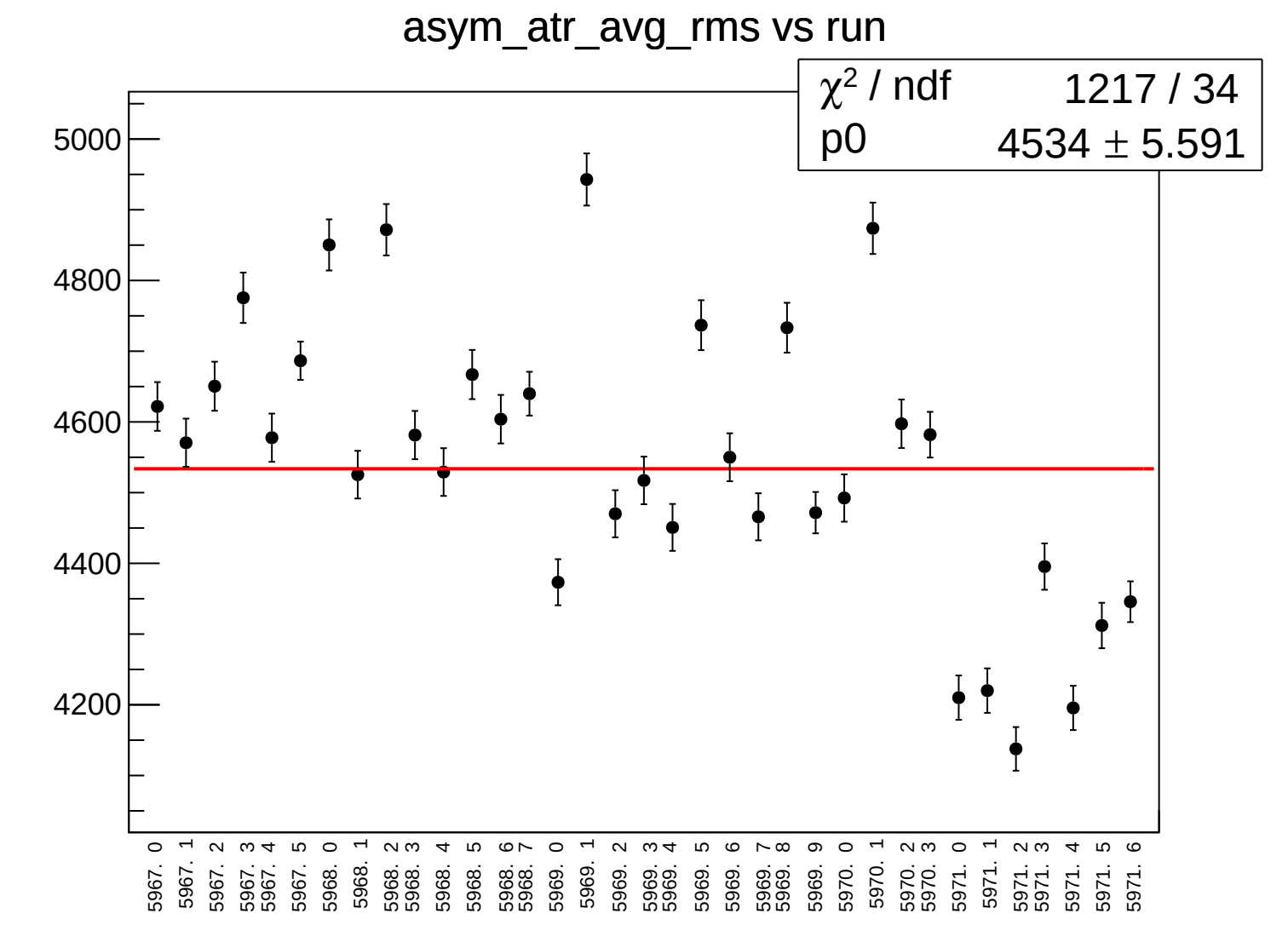

dit_asym_atr_avg_rms vs run
χ^2 / ndf 70.69 / 34
p0 1892 ± 2.332
1940
1920
1900
1880
1860
1840
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

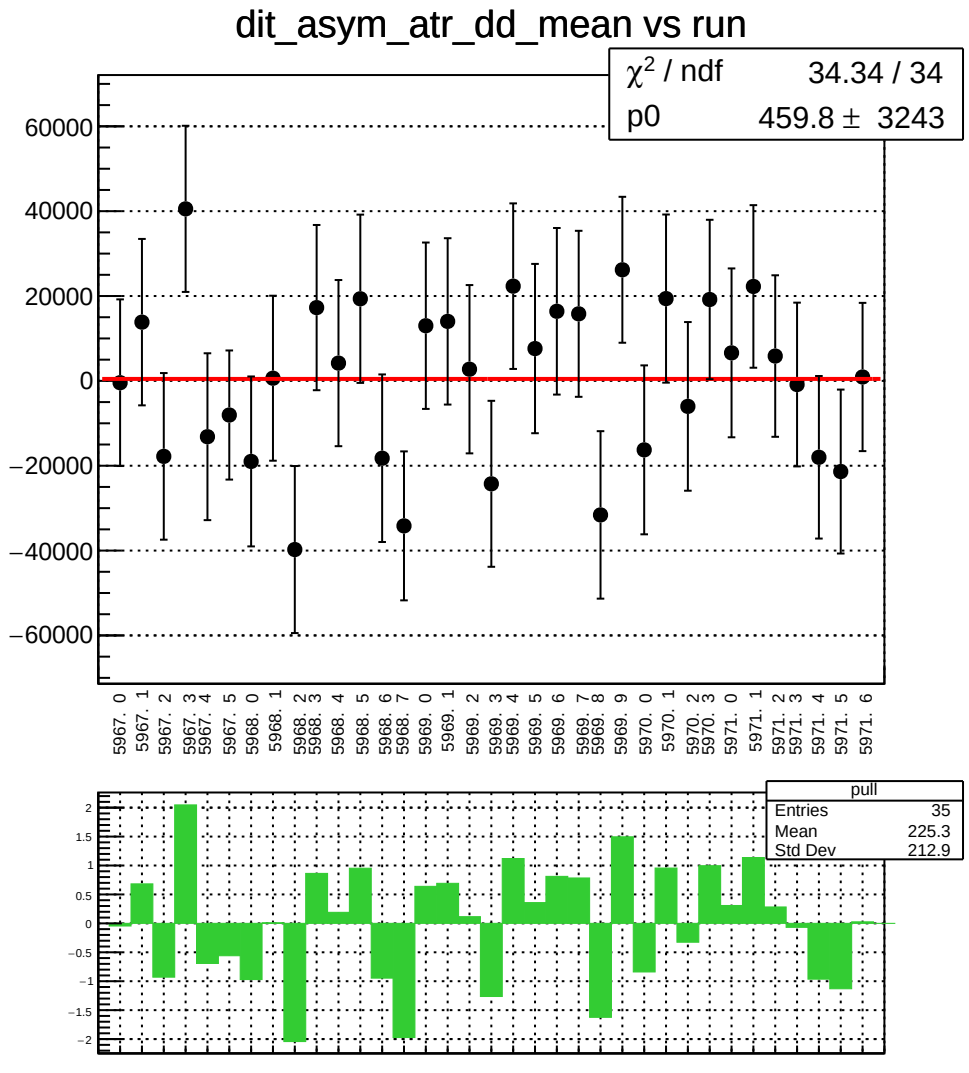

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 32.97 / 34
p0 9016 ± 7126
150
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 142.4
Std Dev 124.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean −0.003662
Std Dev 0.9705
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

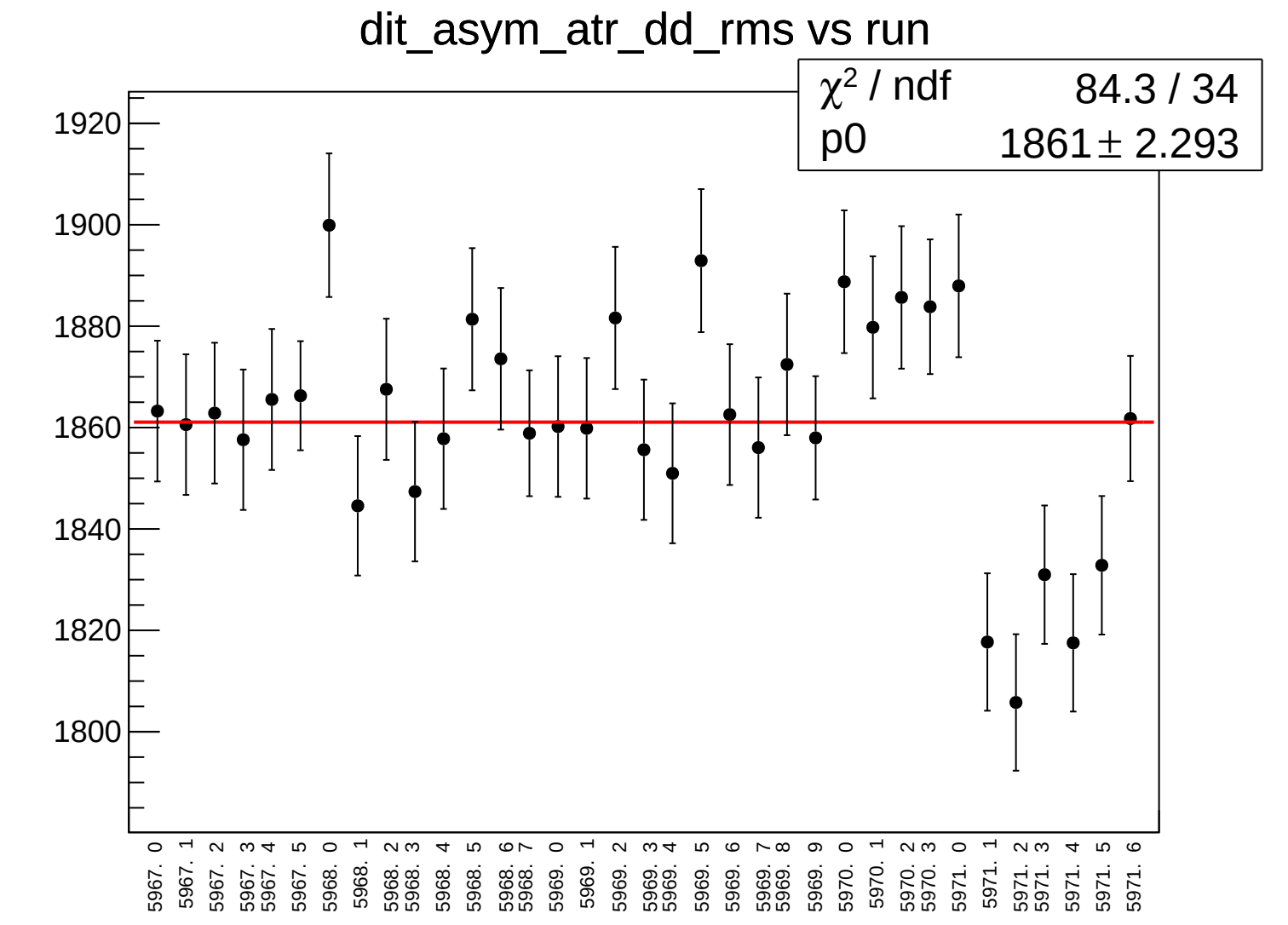

asym_atr_avg_correction_rms vs run
χ² / ndf 2610 / 34
p0 4081 ± 5.039
4600
4400
4200
4000
3800
3600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

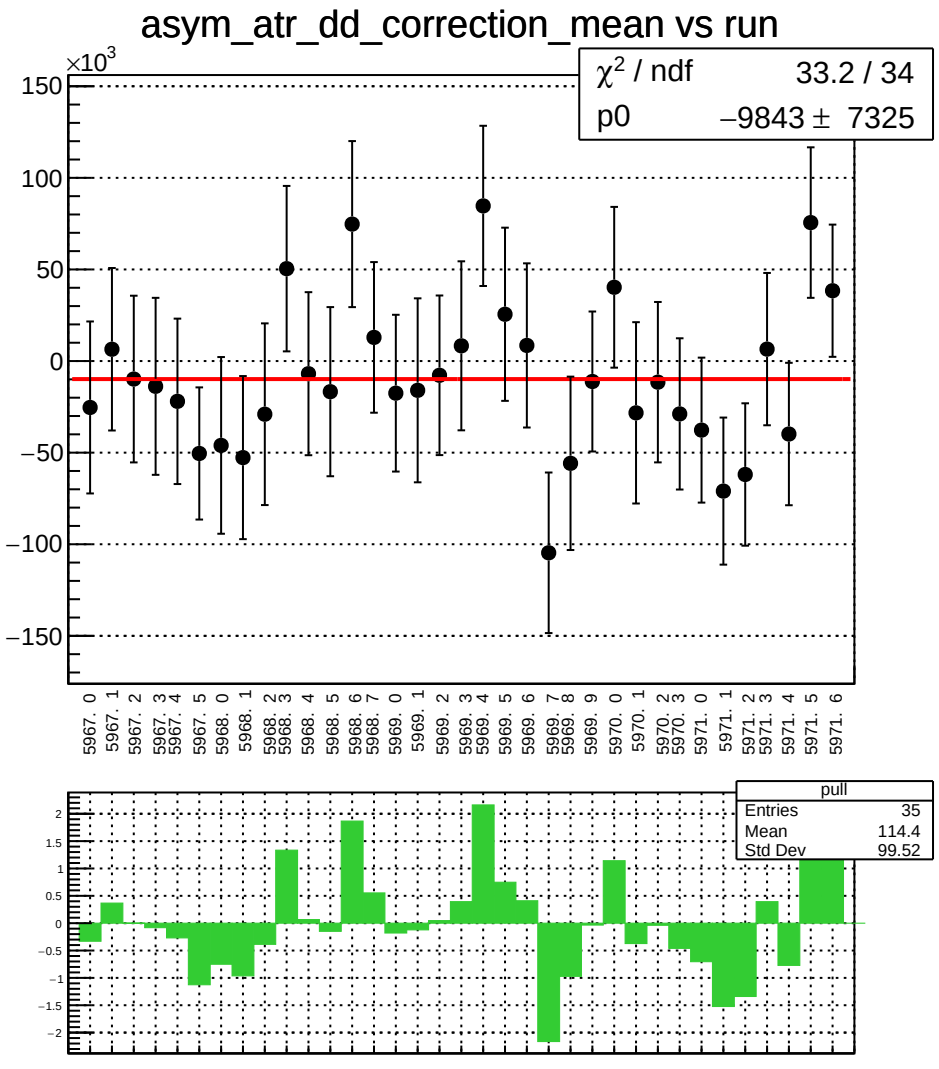

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 35.14 / 34
p0 −3025 ± 7908
150
100
50
0
−50
−100
−150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −1.388e+04
Std Dev 1.39e+04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

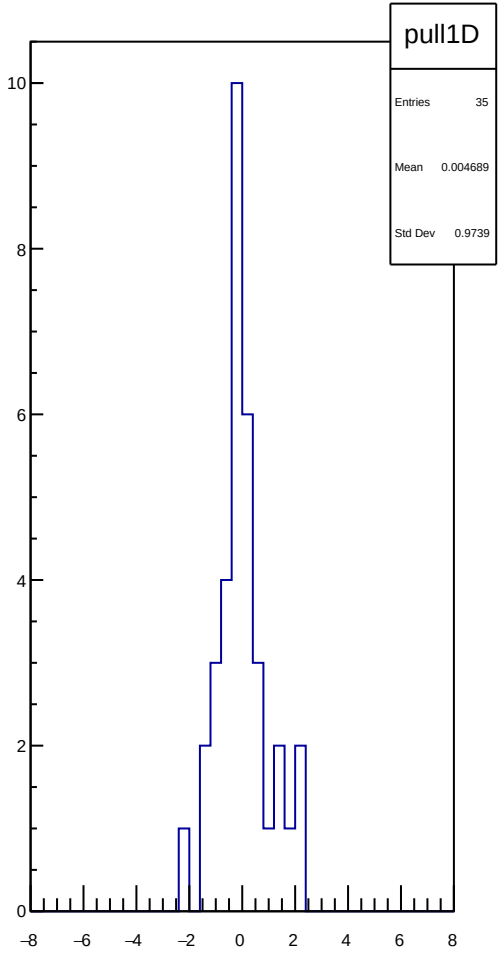

pull1D
Entries 35
Mean −8.282e−05
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

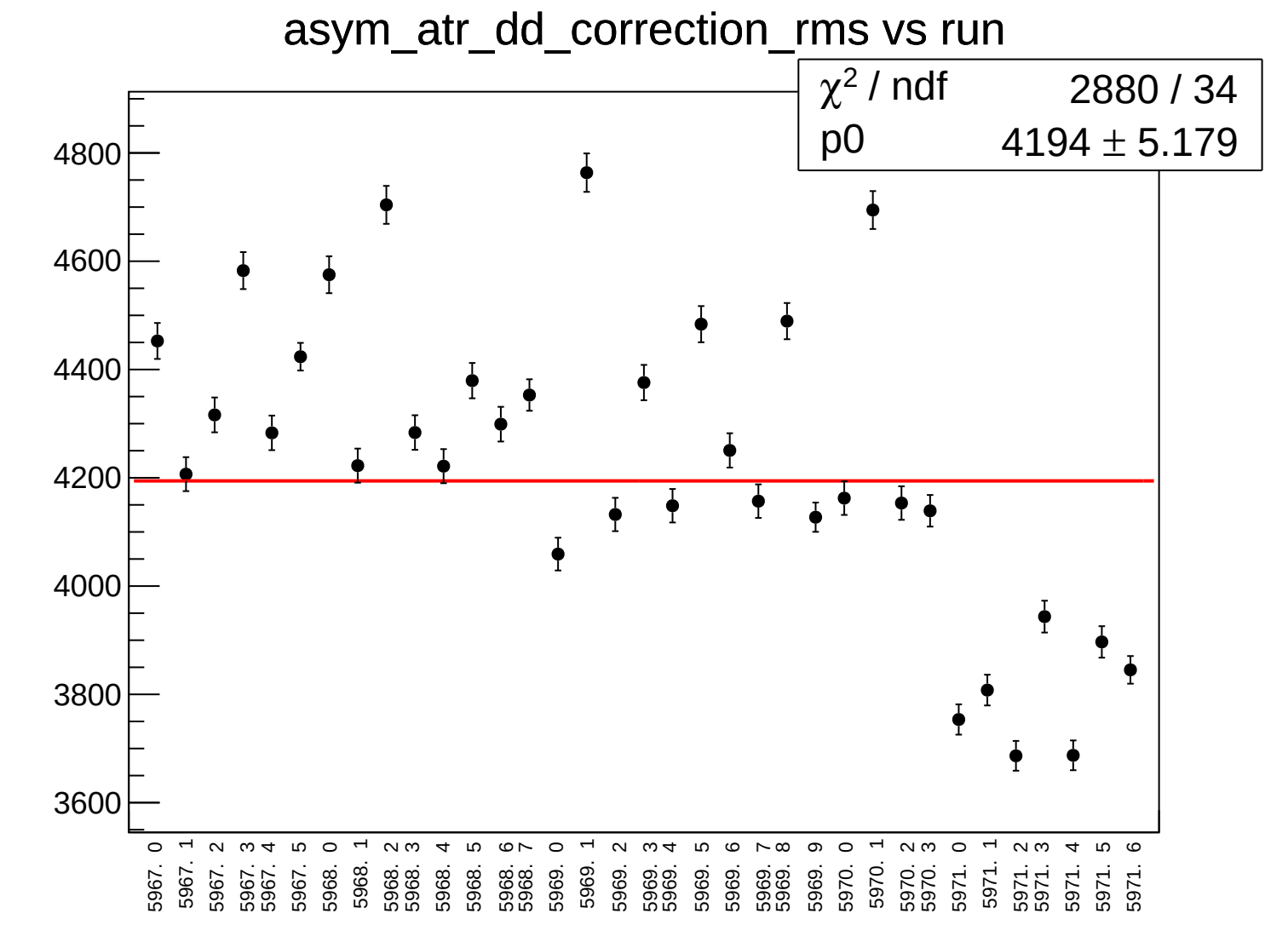

asym_atr_avg_rms vs run
χ² / ndf 1217 / 34
p0 4534 ± 5.591
5000
4800
4600
4400
4200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

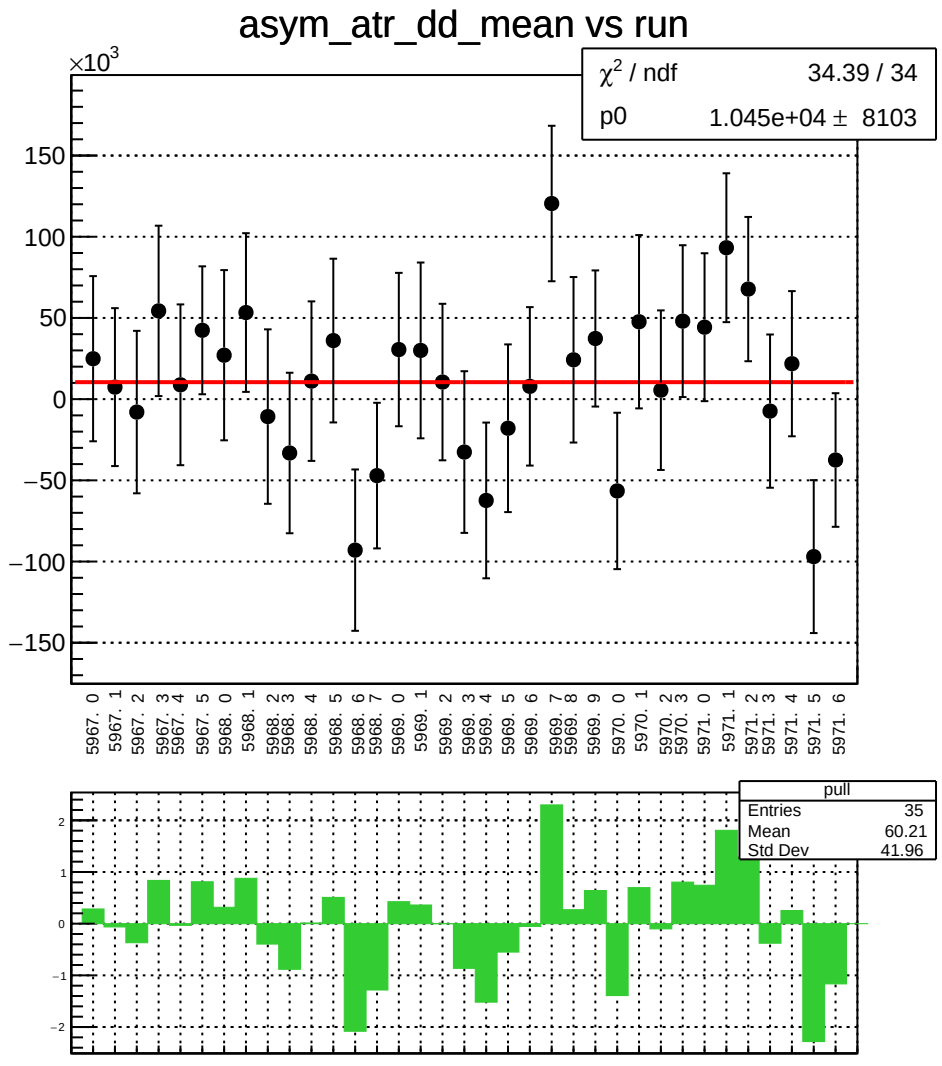

dit_asym_atr_dd_mean vs run
χ² / ndf 34.34 / 34
p0 459.8 ± 3243
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 225.3
Std Dev 212.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.002726
Std Dev 0.9905
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

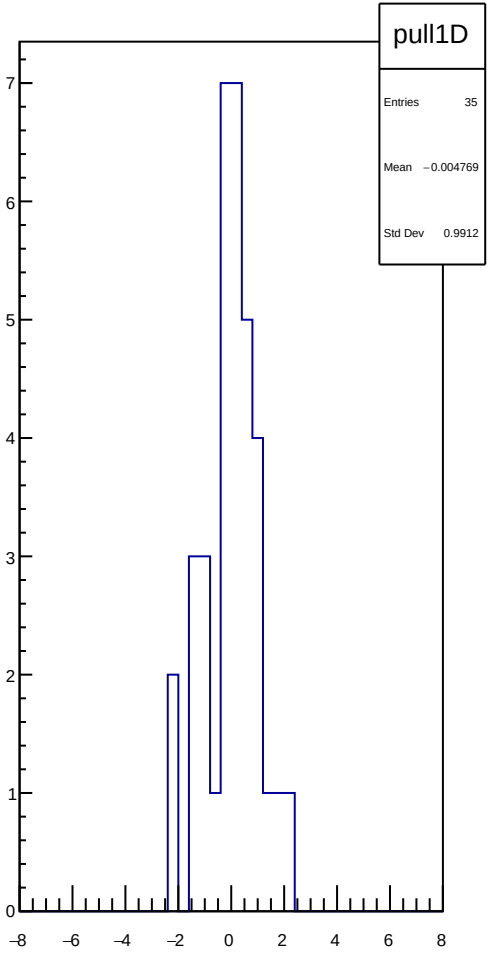

dit_asym_atr_dd_rms vs run
χ² / ndf 84.3 / 34
p0 1861 ± 2.293
1920
1900
1880
1860
1840
1820
1800
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

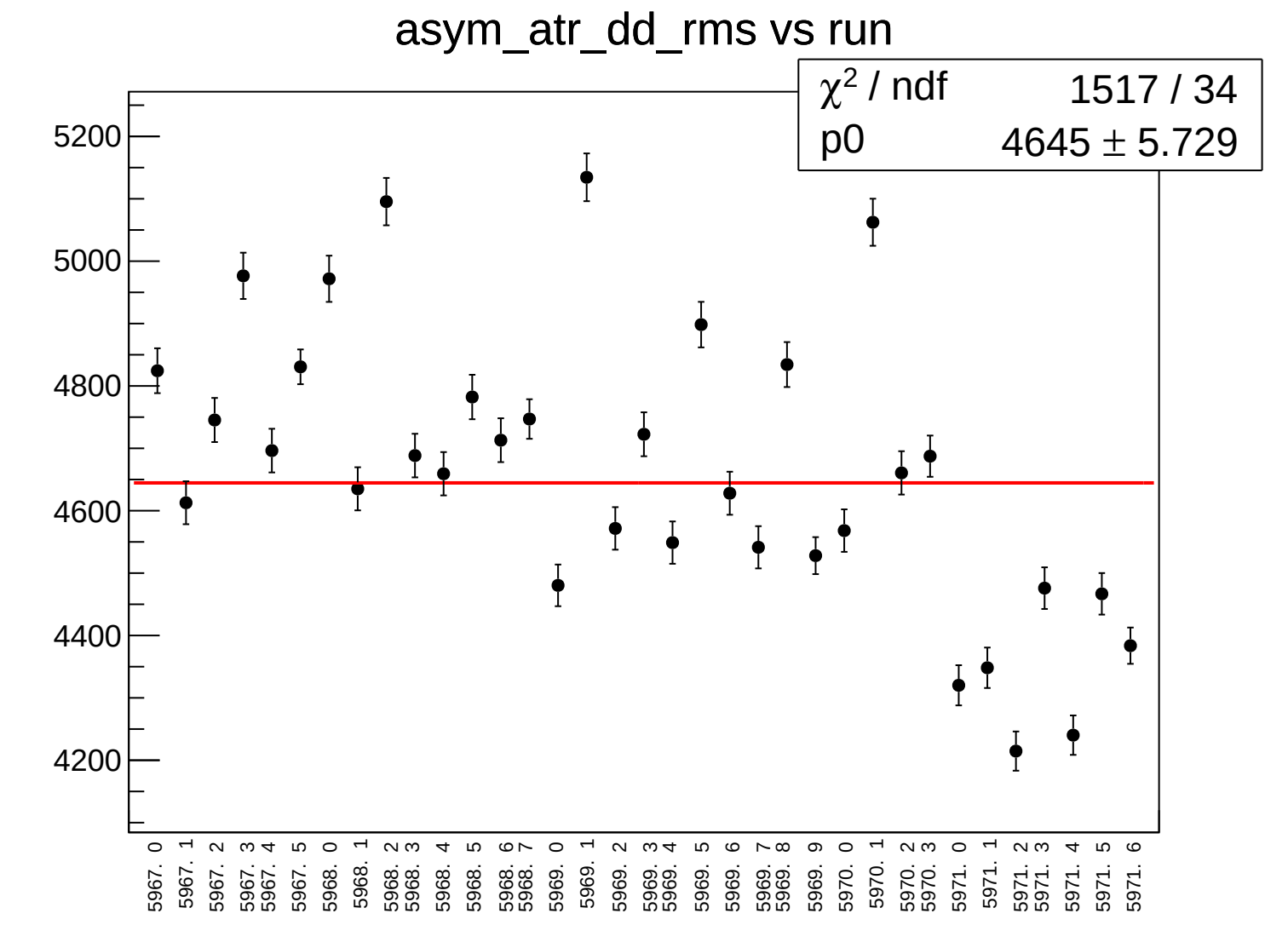

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 33.2 / 34
p0 −9843 ± 7325
150
100
50
0
−50
−100
−150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 114.4
Std Dev 99.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

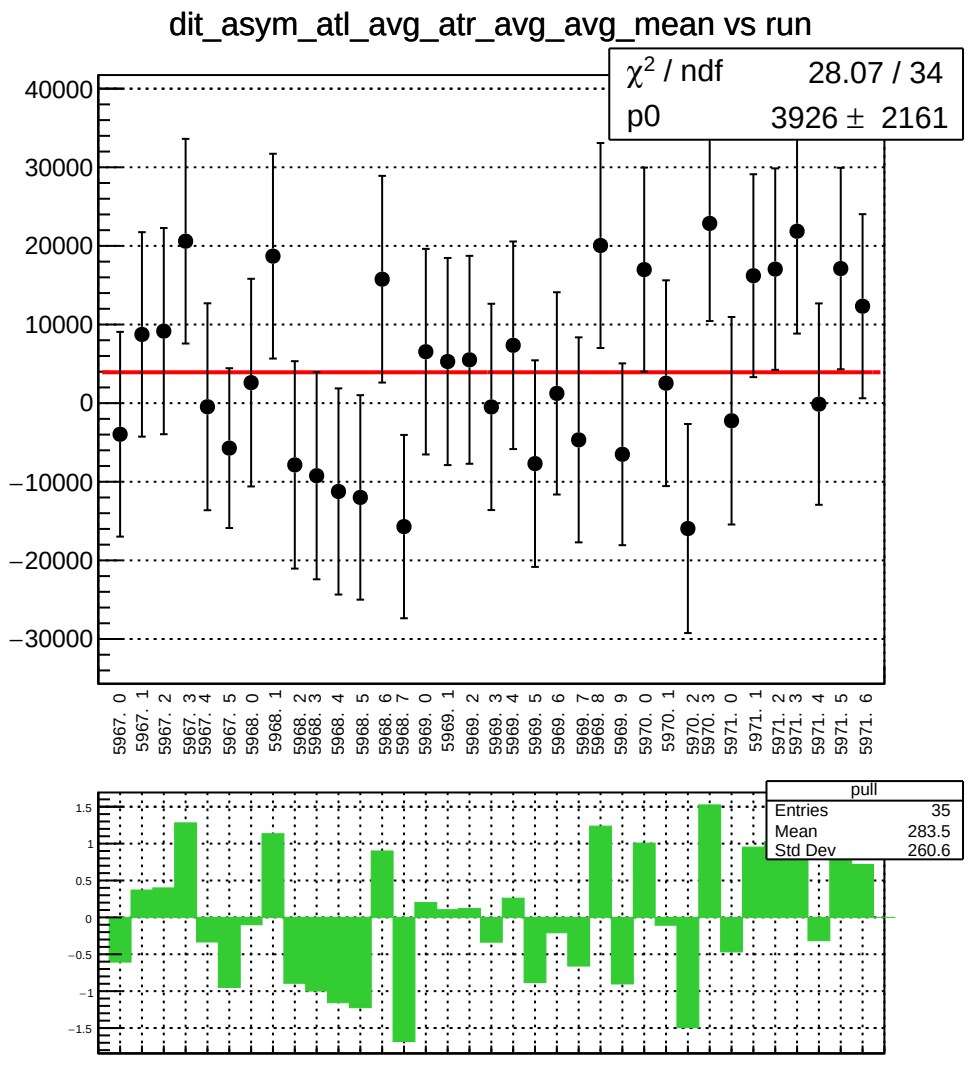

pull1D
Entries 35
Mean 0.004689
Std Dev 0.9739
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

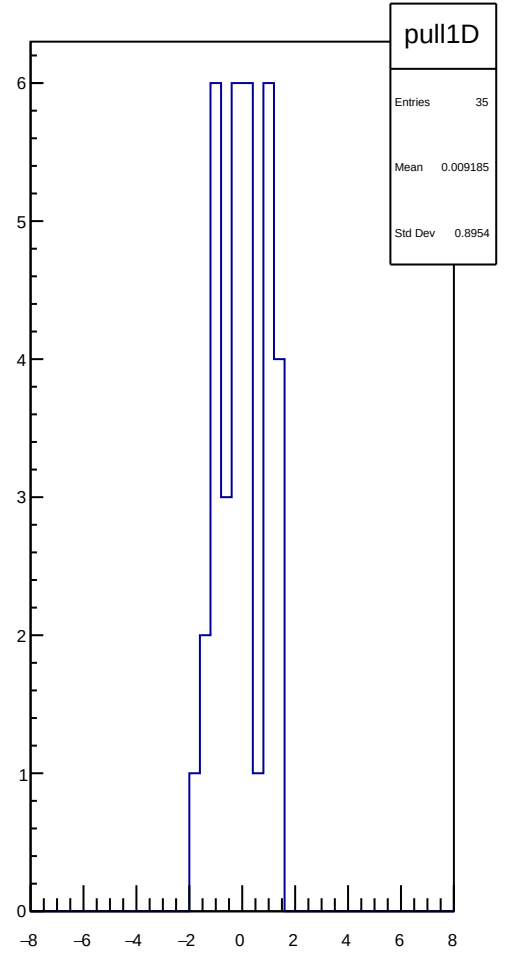

asym_atr_dd_correction_rms vs run
χ² / ndf 2880 / 34
p0 4194 ± 5.179
4800
4600
4400
4200
4000
3800
3600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

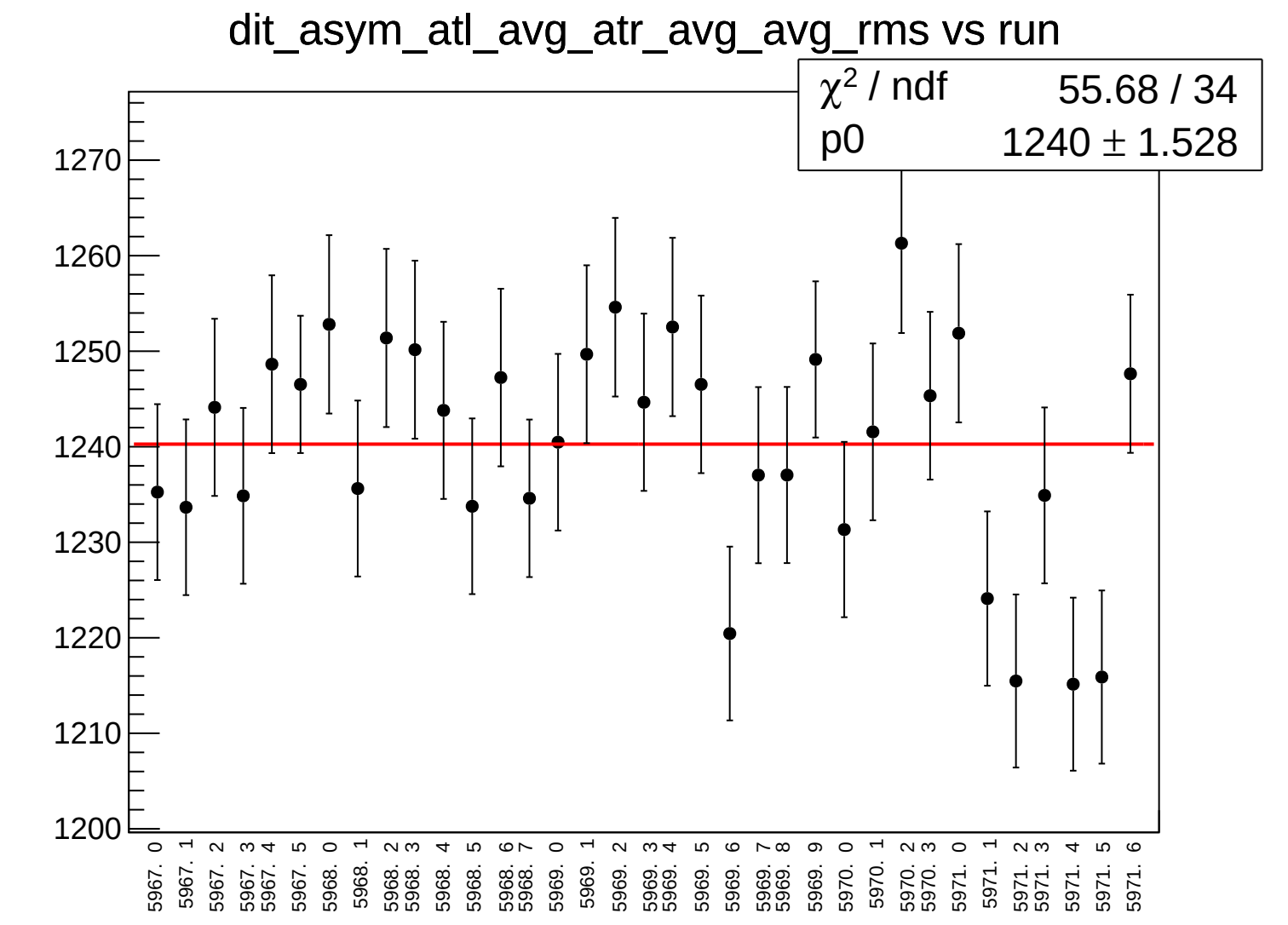

asym_atr_dd_mean vs run
×10^3
χ² / ndf 34.39 / 34
p0 1.045e+04 ± 8103
150
100
50
0
−50
−100
−150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 60.21
Std Dev 41.96
2
1
0
−1
−2

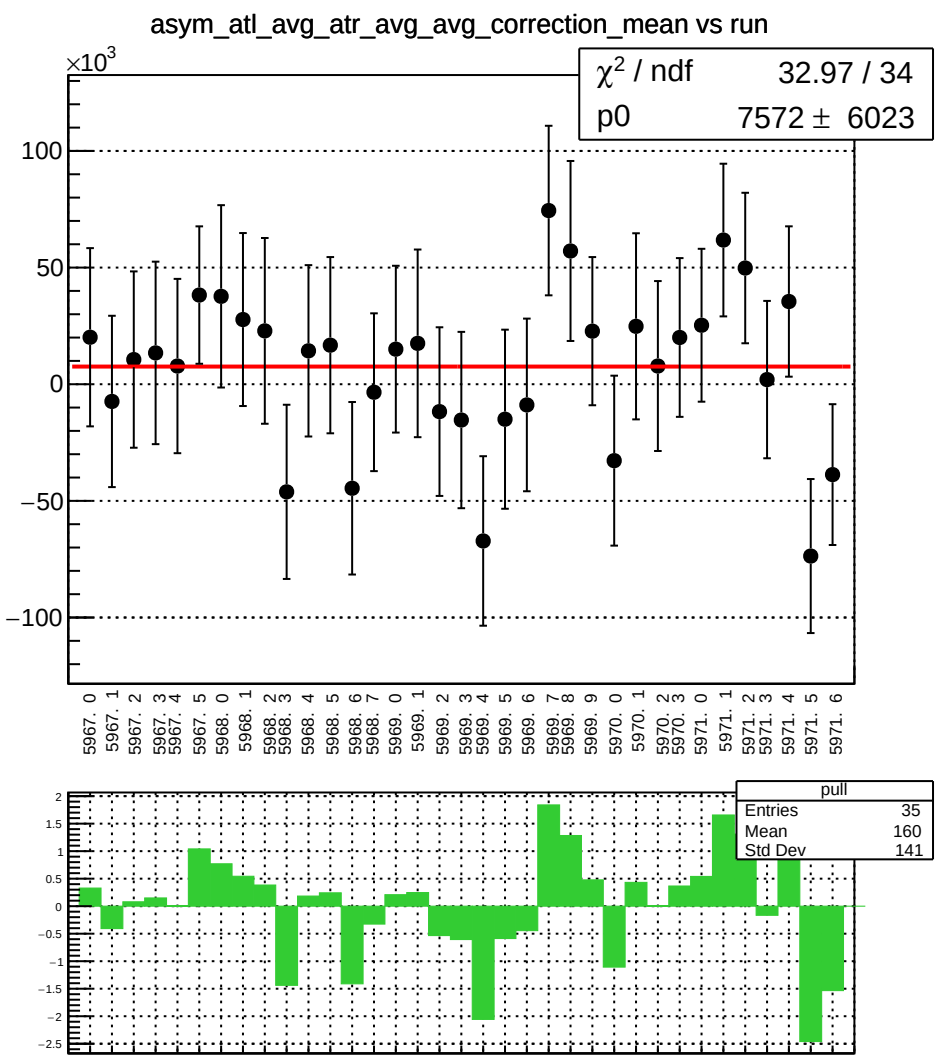

pull1D
Entries 35
Mean −0.004769
Std Dev 0.9912
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

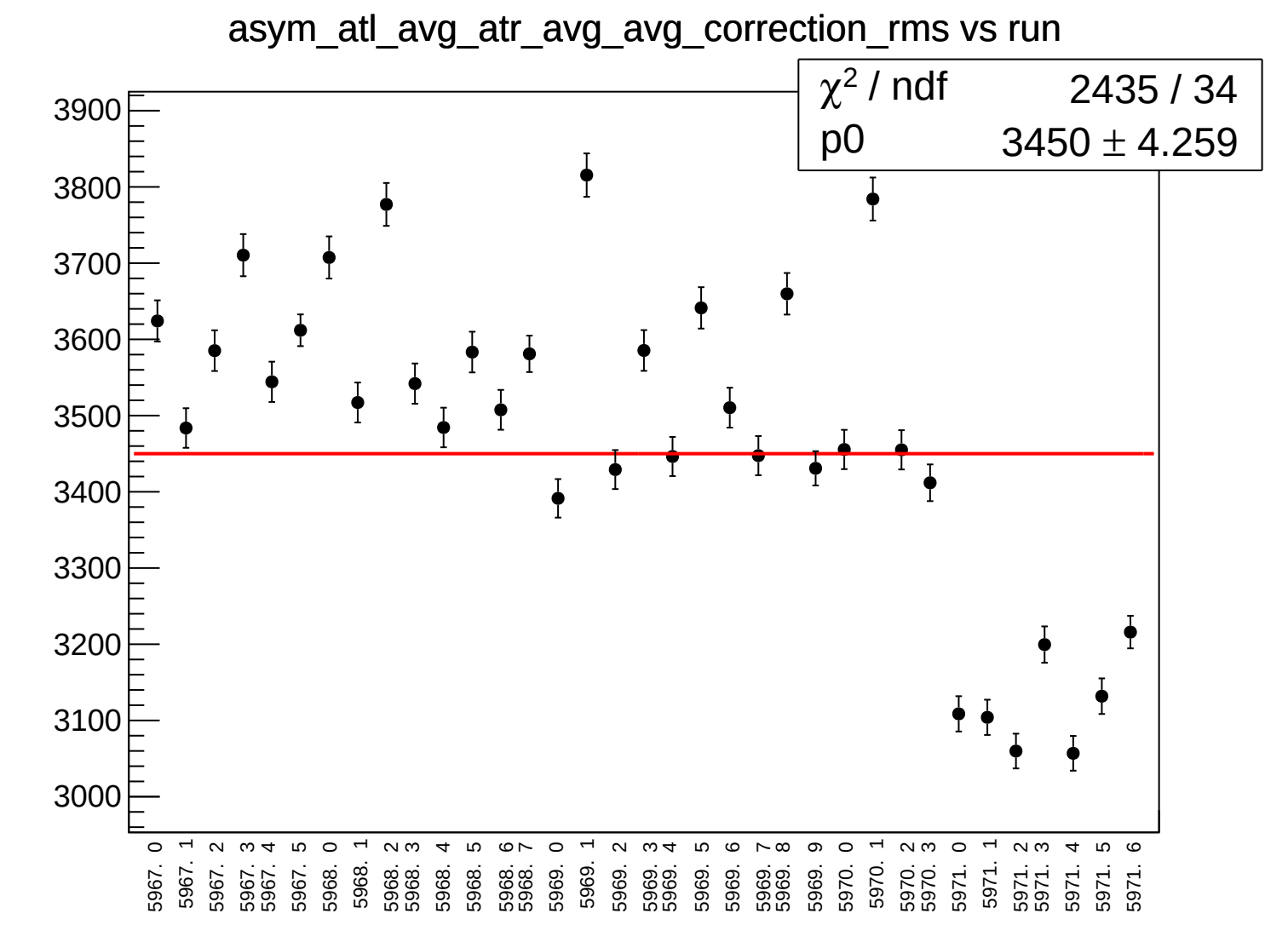

asym_atr_dd_rms vs run
χ^2 / ndf 1517 / 34
p0 4645 ± 5.729
5200
5000
4800
4600
4400
4200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

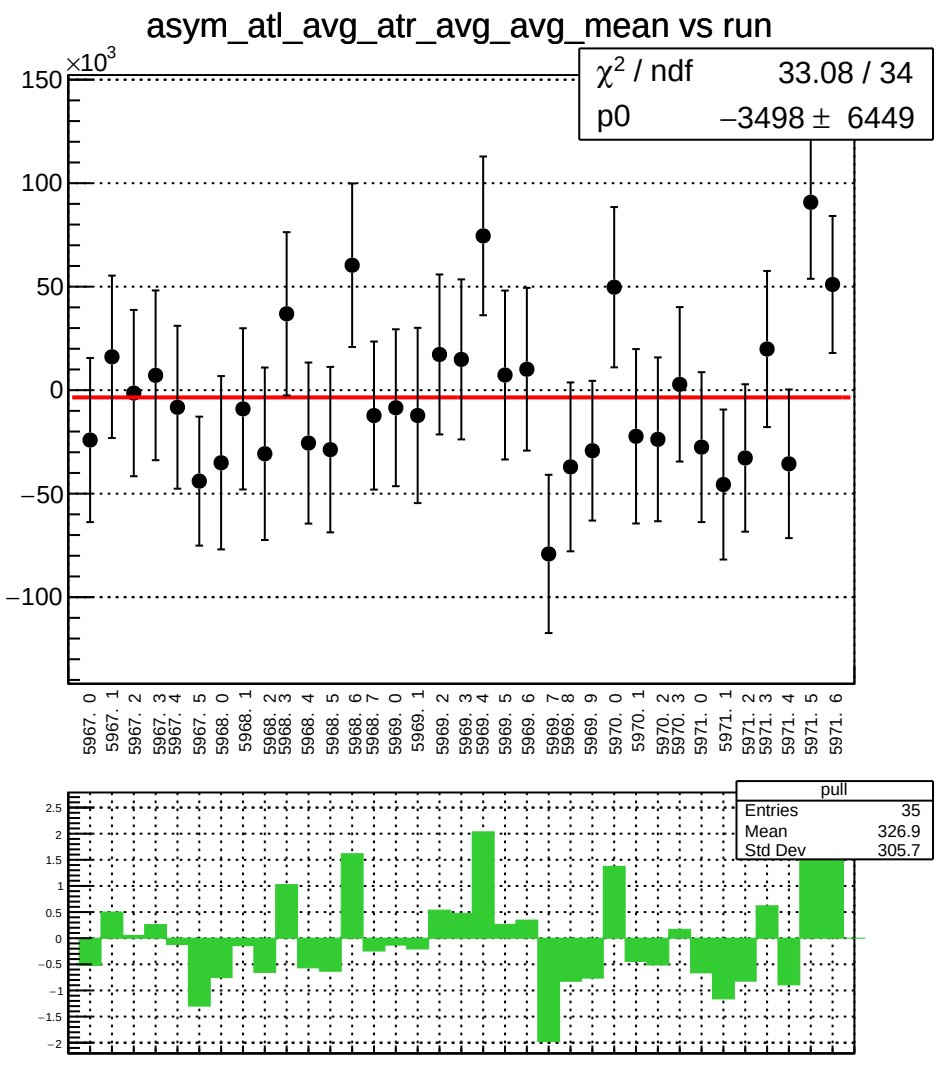

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 28.07 / 34
p0 3926 ± 2161
40000
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 283.5
Std Dev 260.6
1.5
1
0.5
0
−0.5
−1
−1.5

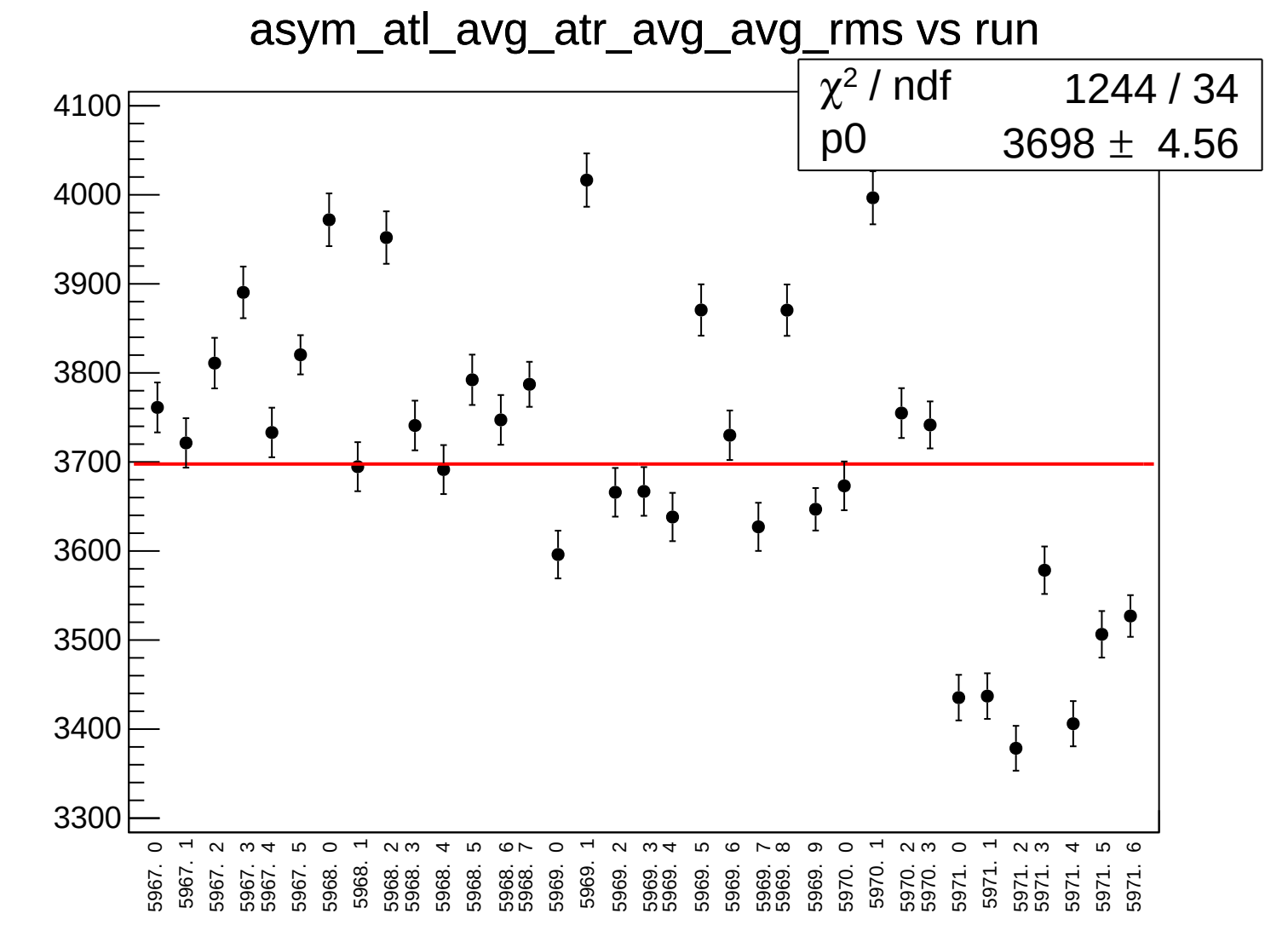

pull1D
Entries 35
Mean 0.009185
Std Dev 0.8954
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

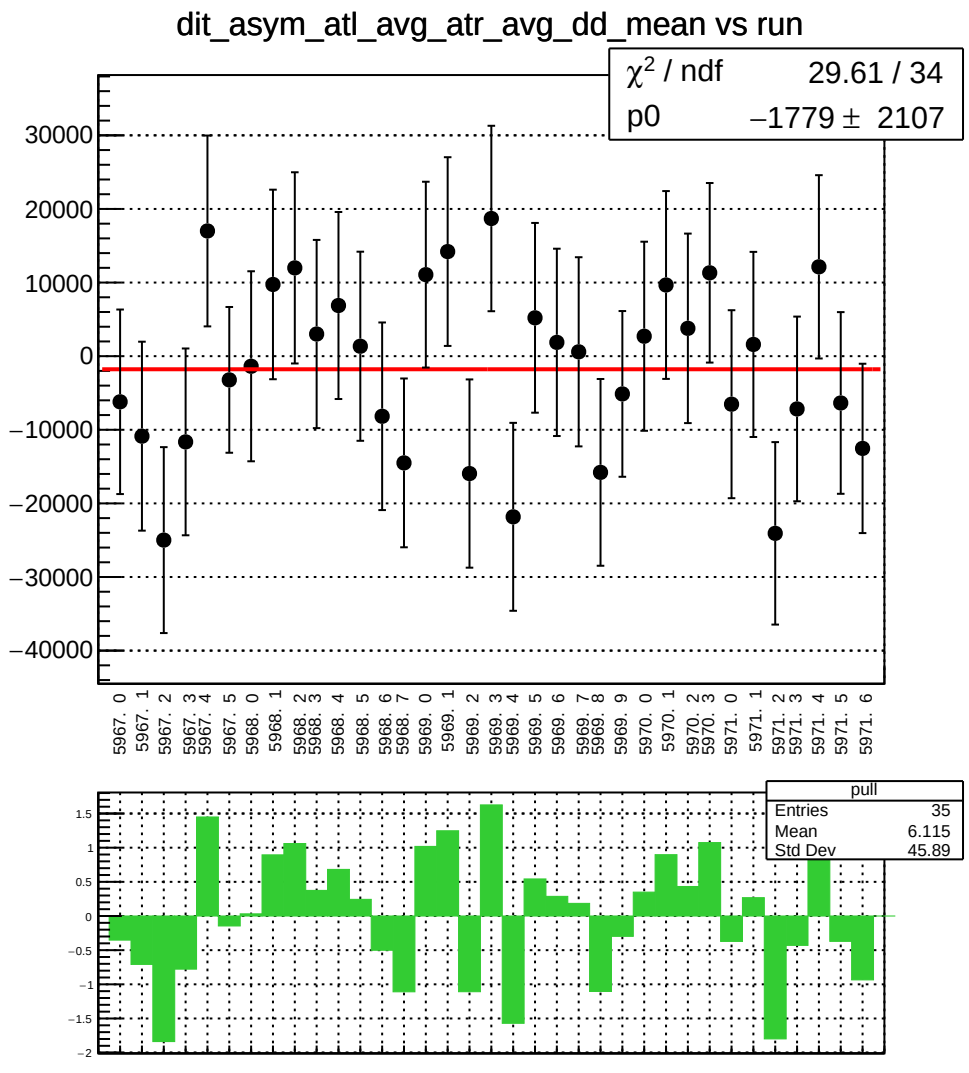

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 55.68 / 34
p0 1240 ± 1.528
1270
1260
1250
1240
1230
1220
1210
1200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

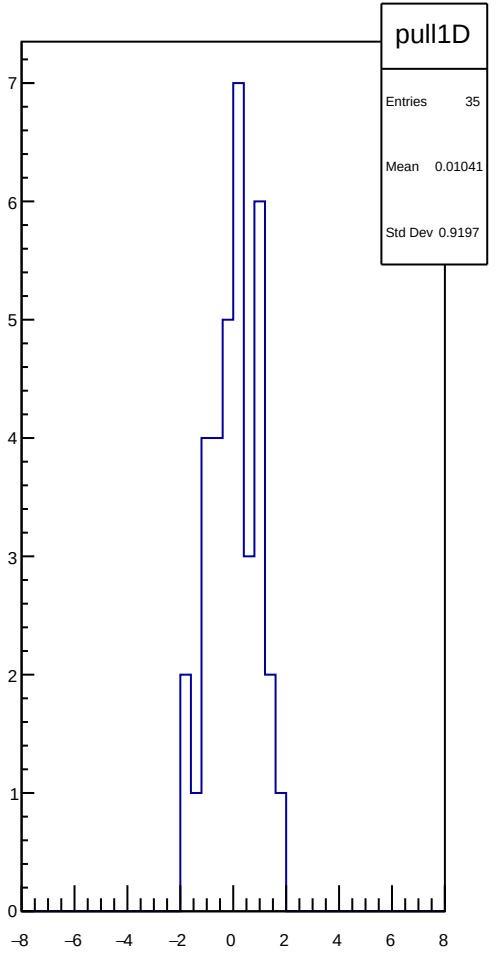

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 32.97 / 34
p0 7572 ± 6023
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 160
Std Dev 141
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean −0.003244
Std Dev 0.9705
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

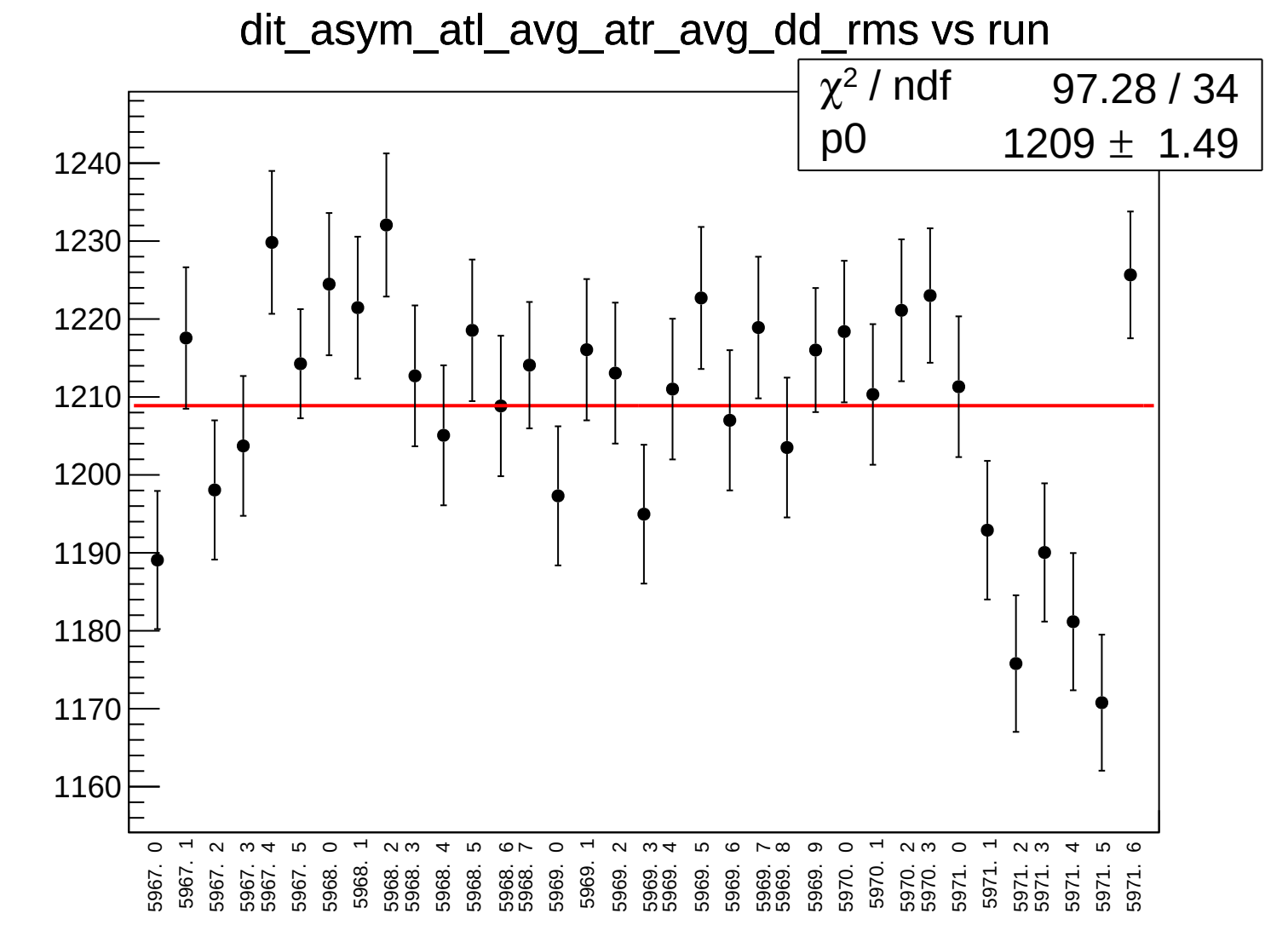

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2435 / 34
p0 3450 ± 4.259
3900
3800
3700
3600
3500
3400
3300
3200
3100
3000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

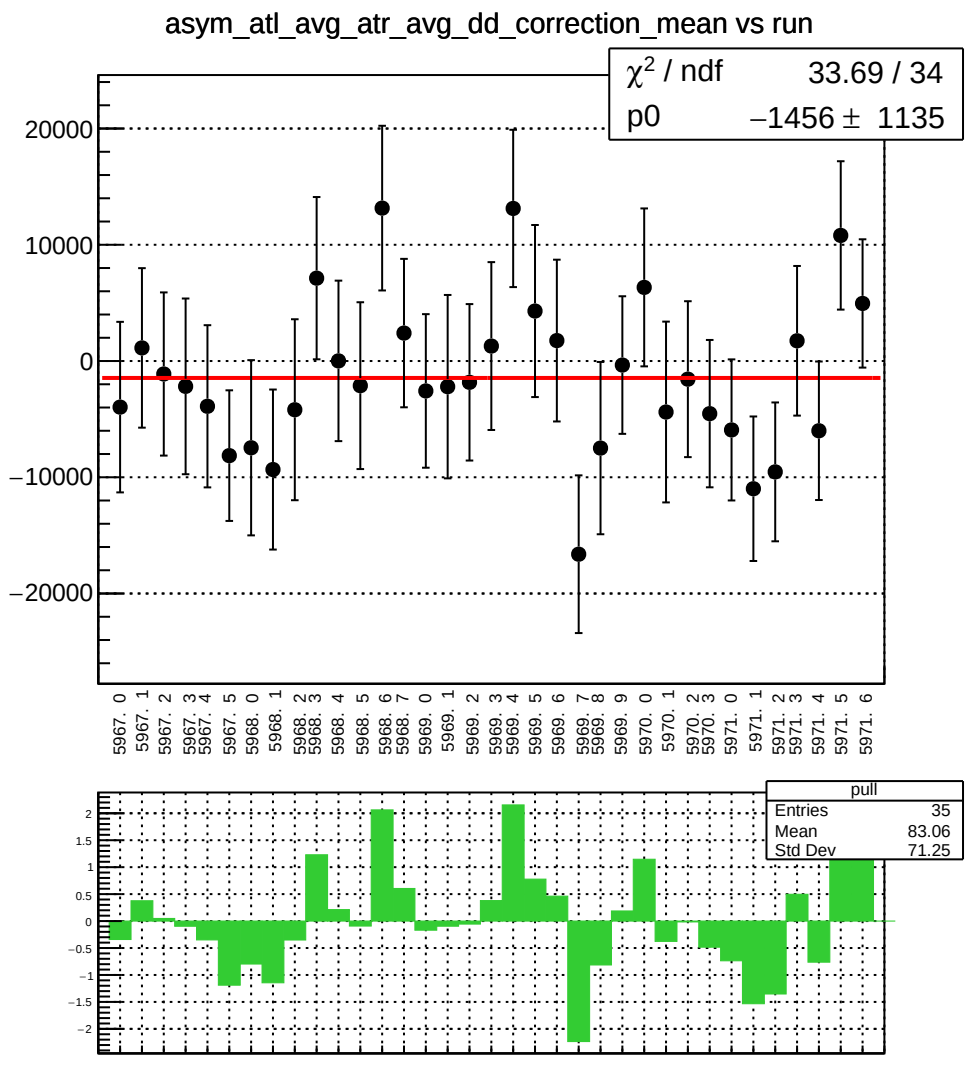

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 33.08 / 34
p0 −3498 ± 6449
150
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 326.9
Std Dev 305.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.004083
Std Dev 0.9721
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

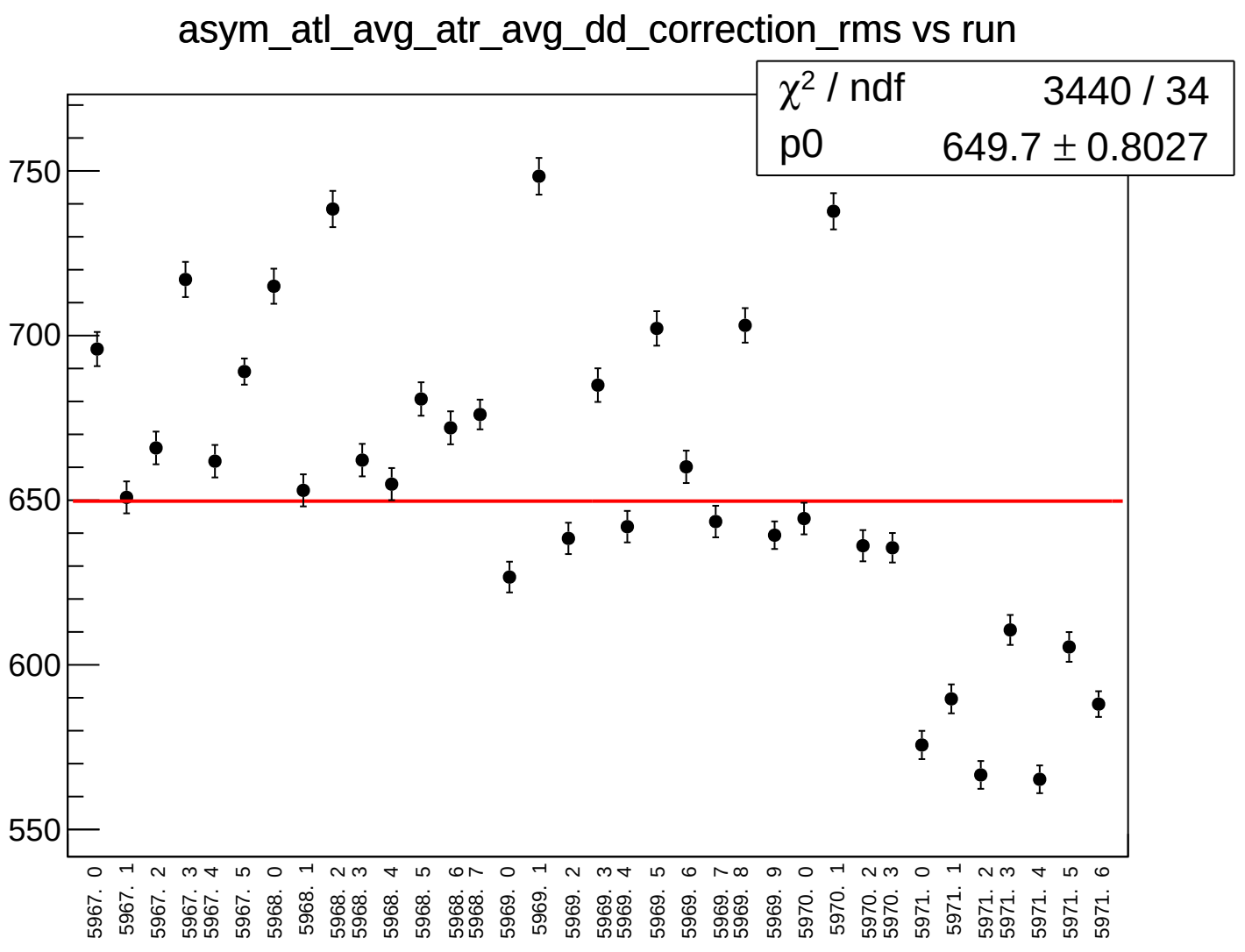

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1244 / 34
p0 3698 ± 4.56
4100
4000
3900
3800
3700
3600
3500
3400
3300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

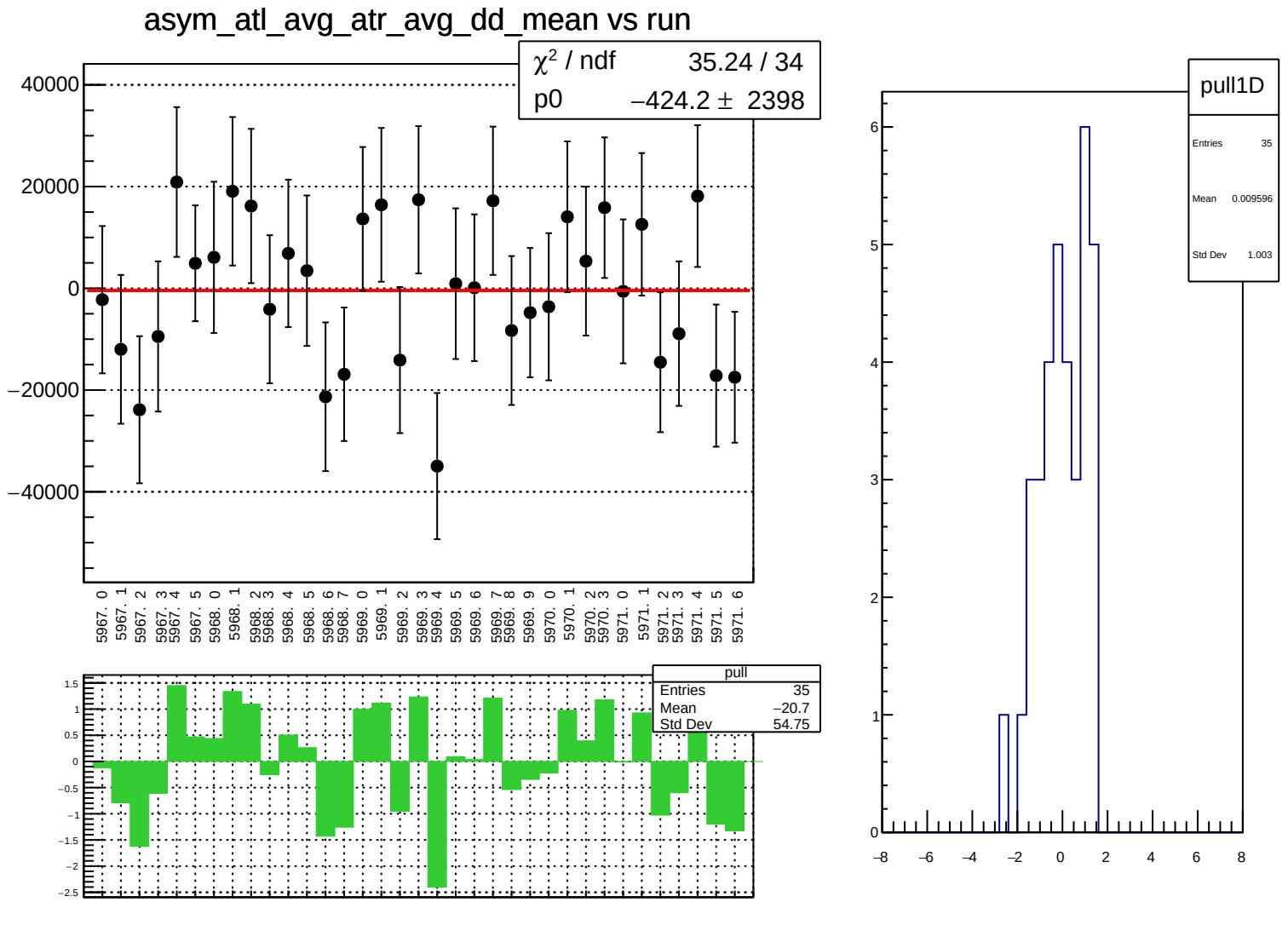

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 29.61 / 34
p0 −1779 ± 2107
30000
20000
10000
0
−10000
−20000
−30000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 6.115
Std Dev 45.89
1.5
1
0.5
0
−0.5
−1
−1.5
−2

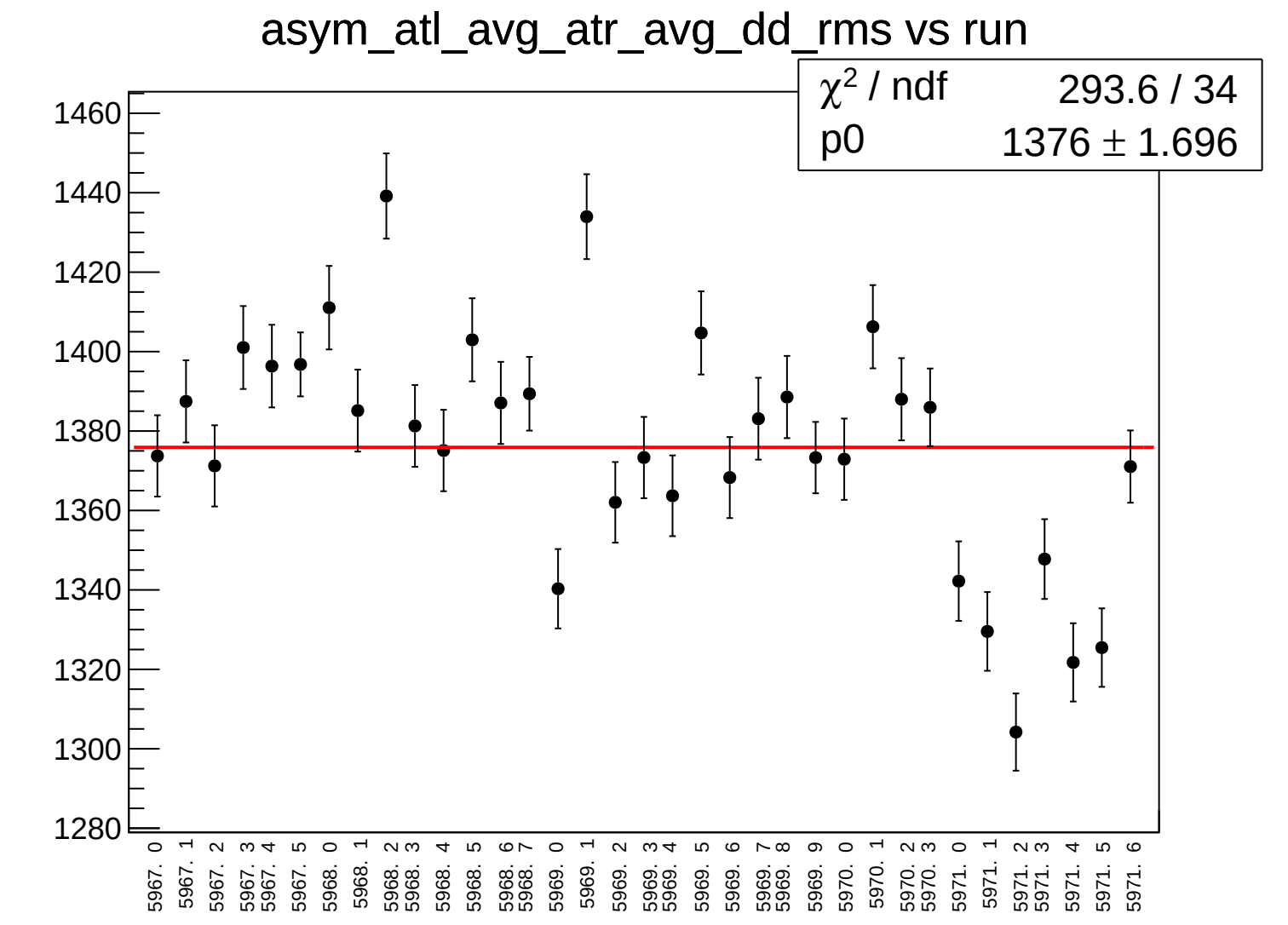

pull1D
Entries 35
Mean 0.01041
Std Dev 0.9197
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

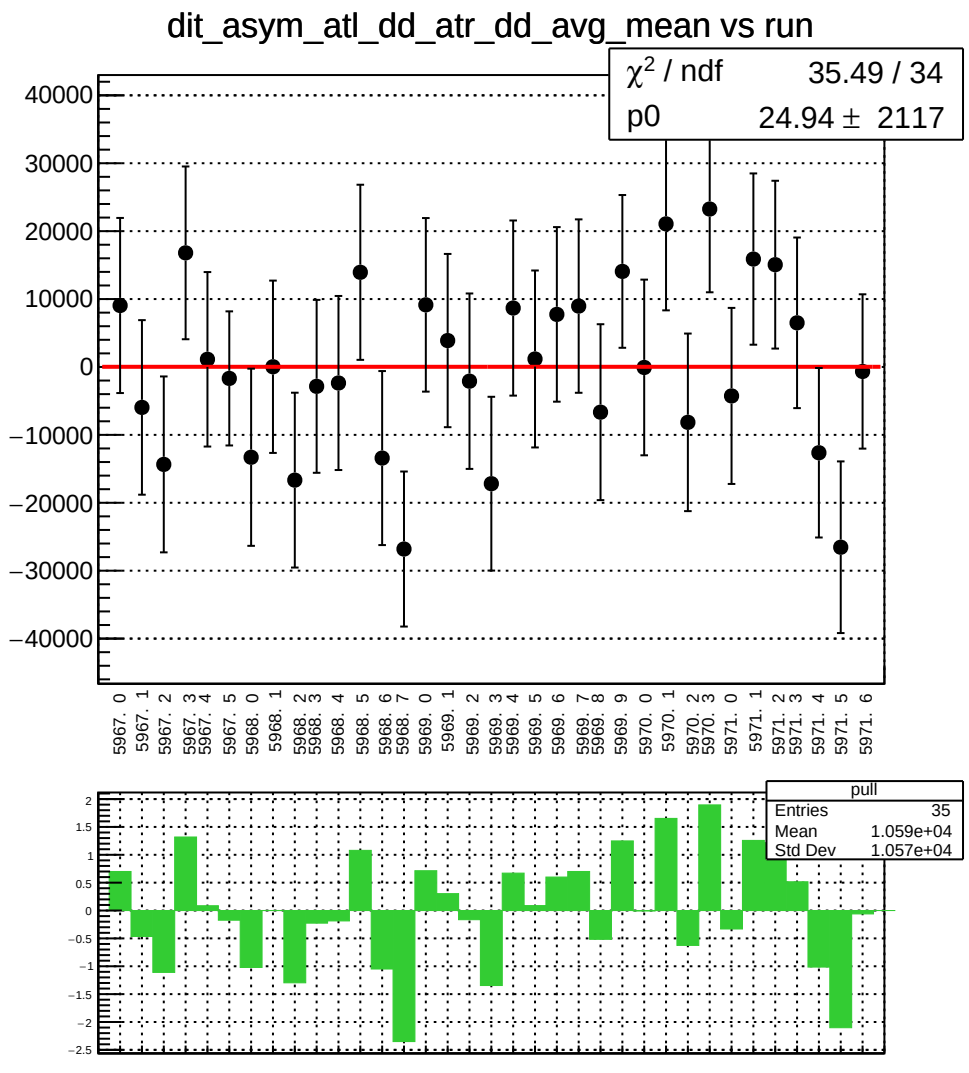

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 97.28 / 34
p0 1209 ± 1.49
1240
1230
1220
1210
1200
1190
1180
1170
1160
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

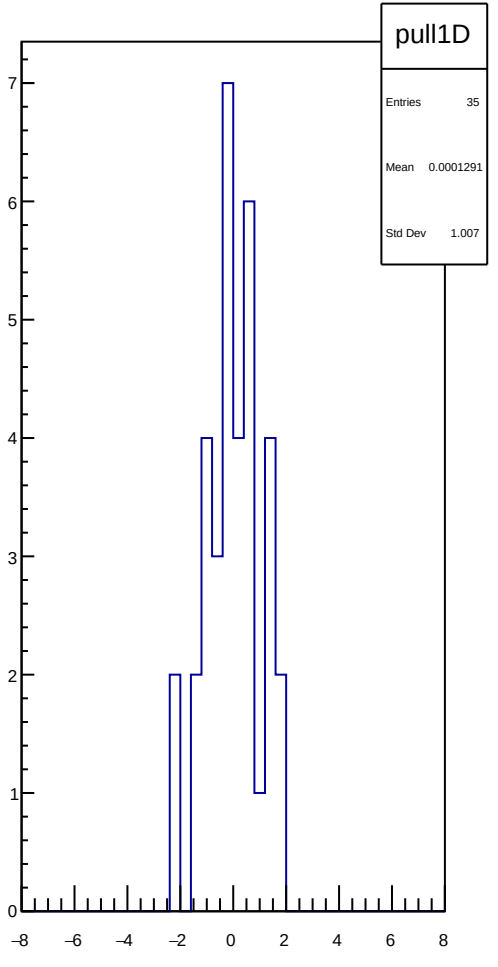

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 33.69 / 34
p0 −1456 ± 1135
20000
10000
0
−10000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 83.06
Std Dev 71.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.006531
Std Dev 0.9811
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

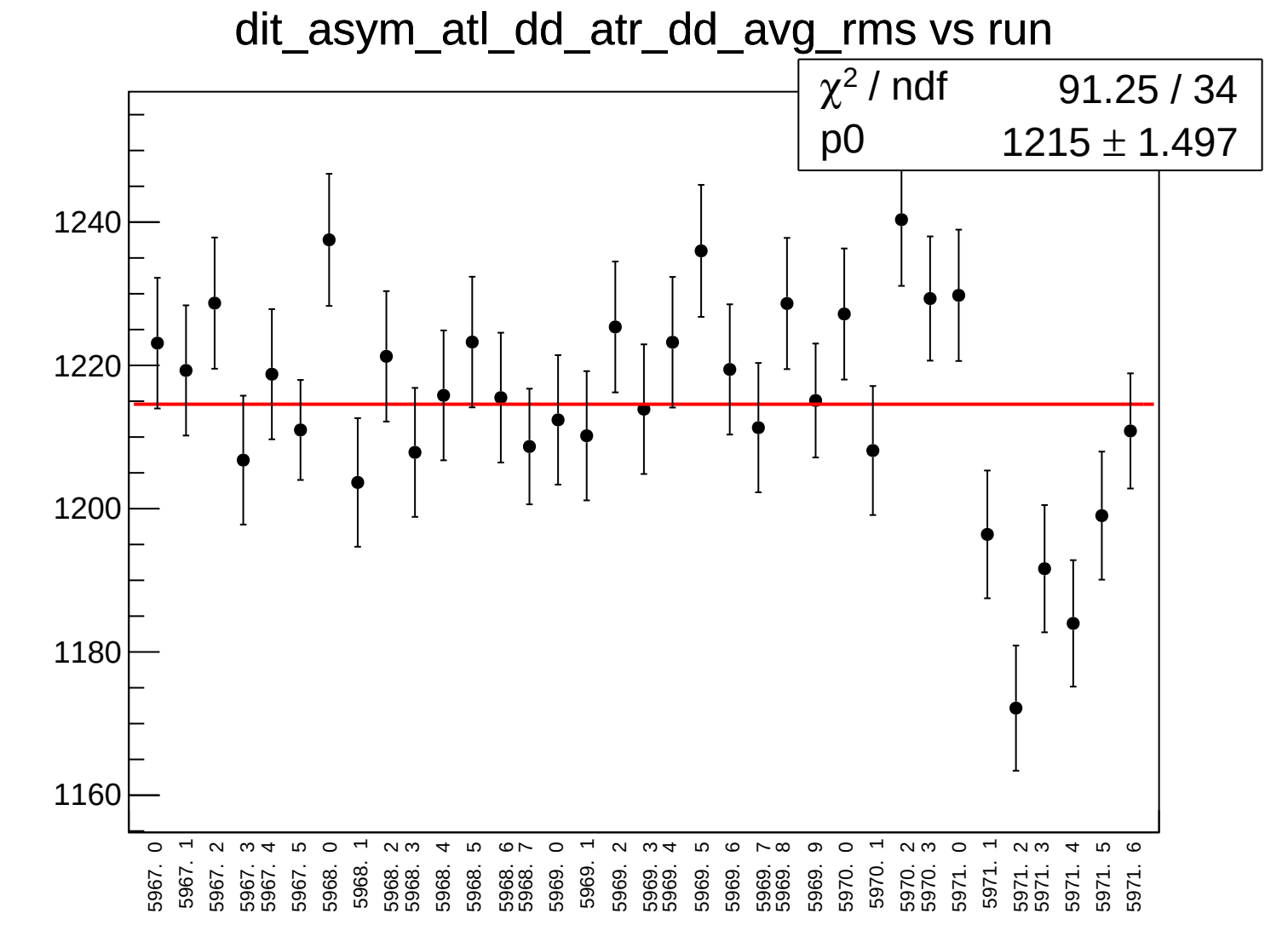

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3440 / 34
p0 649.7 ± 0.8027
750
700
650
600
550
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

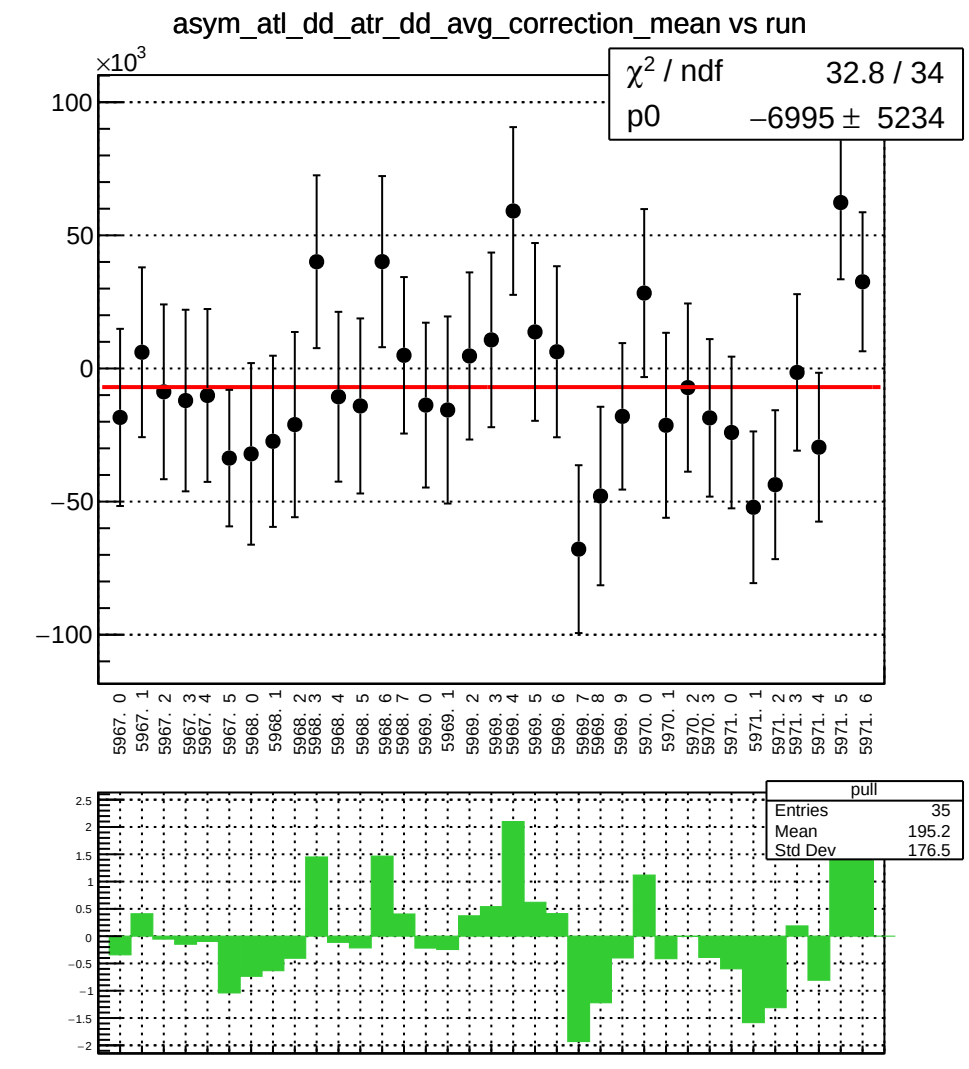

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 35.24 / 34
p0 −424.2 ± 2398
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −20.7
Std Dev 54.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean 0.009596
Std Dev 1.003
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

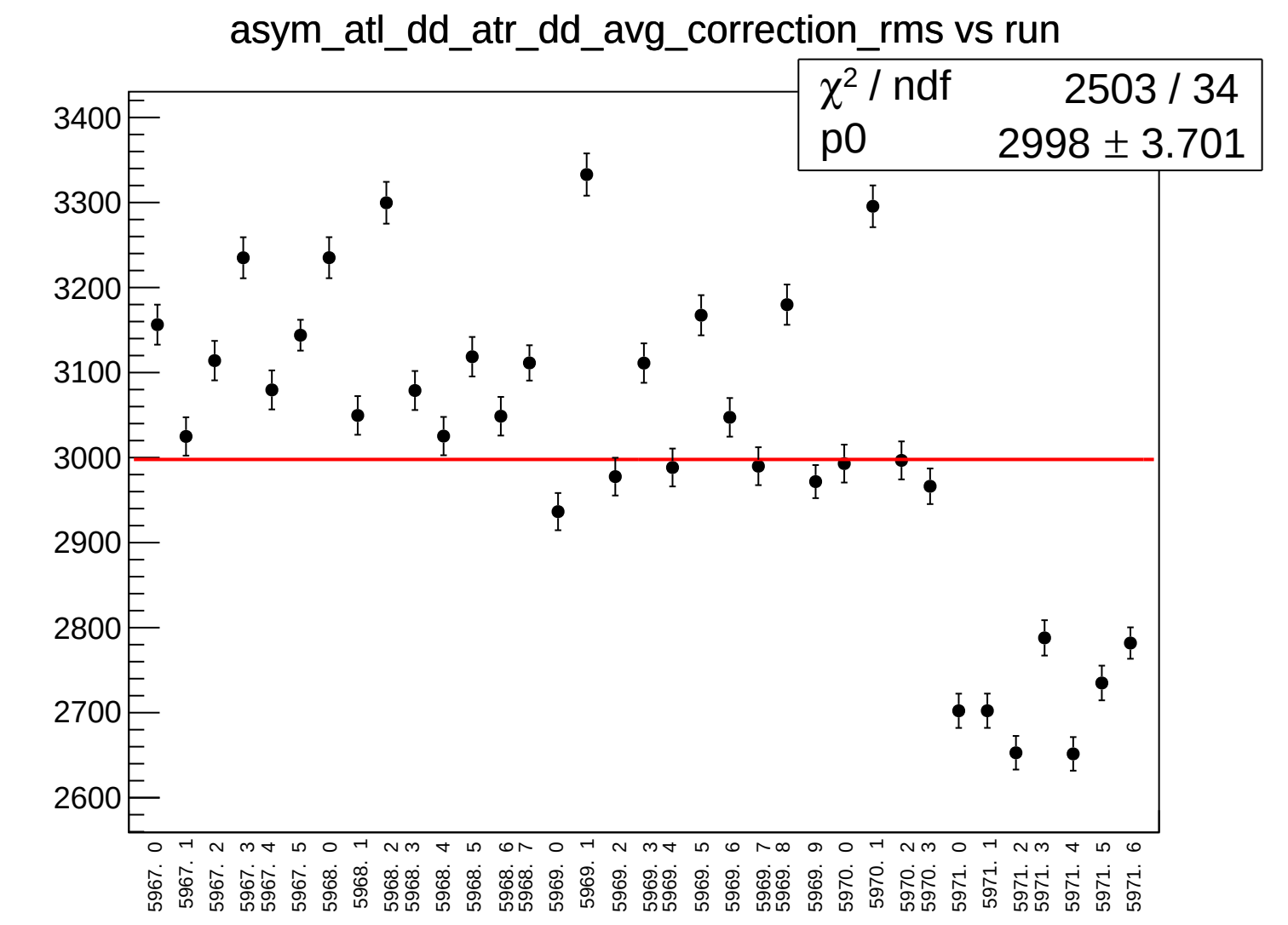

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 293.6 / 34
p0 1376 ± 1.696
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

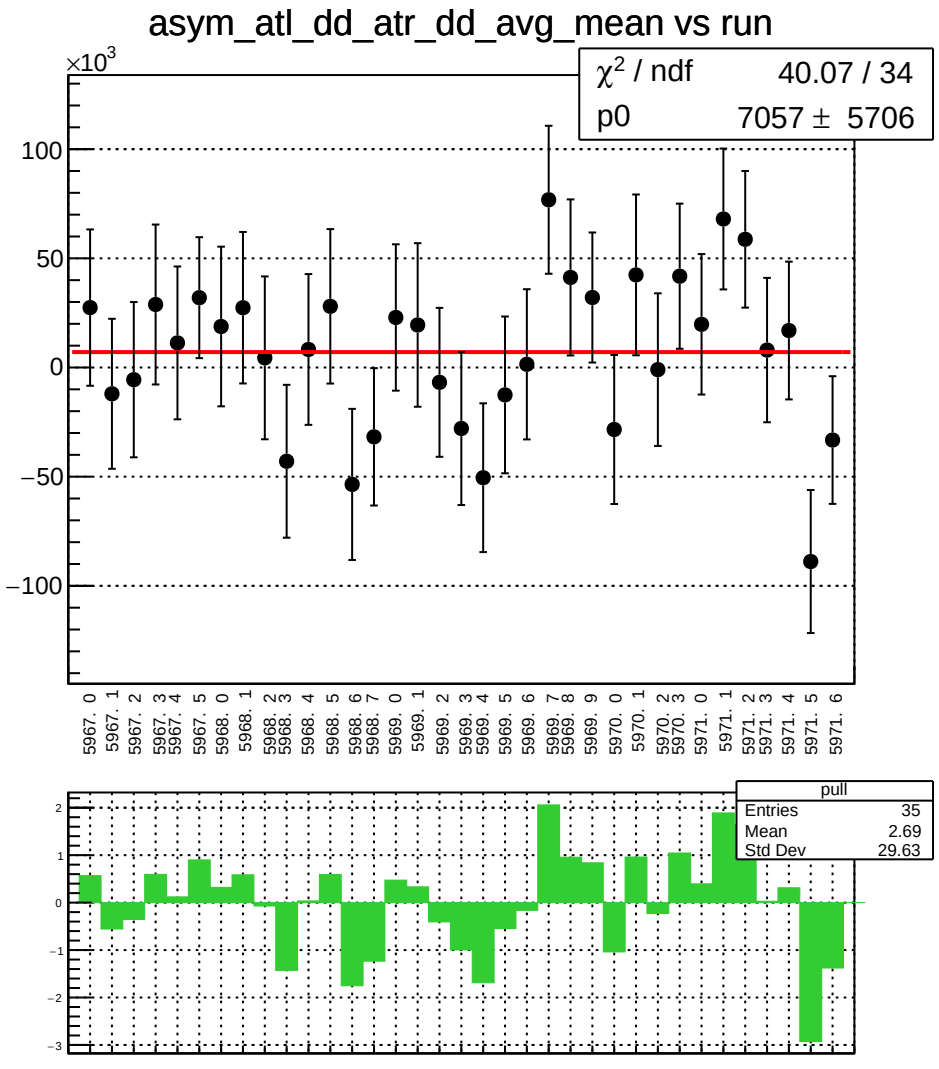

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 35.49 / 34
p0 24.94 ± 2117
pull
Entries 35
Mean 1.059e+04
Std Dev 1.057e+04

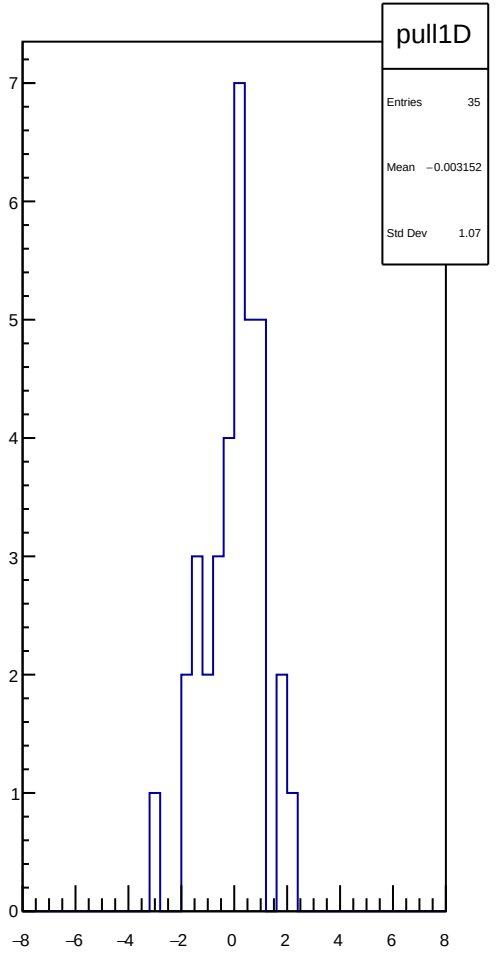

pull1D
Entries 35
Mean 0.0001291
Std Dev 1.007

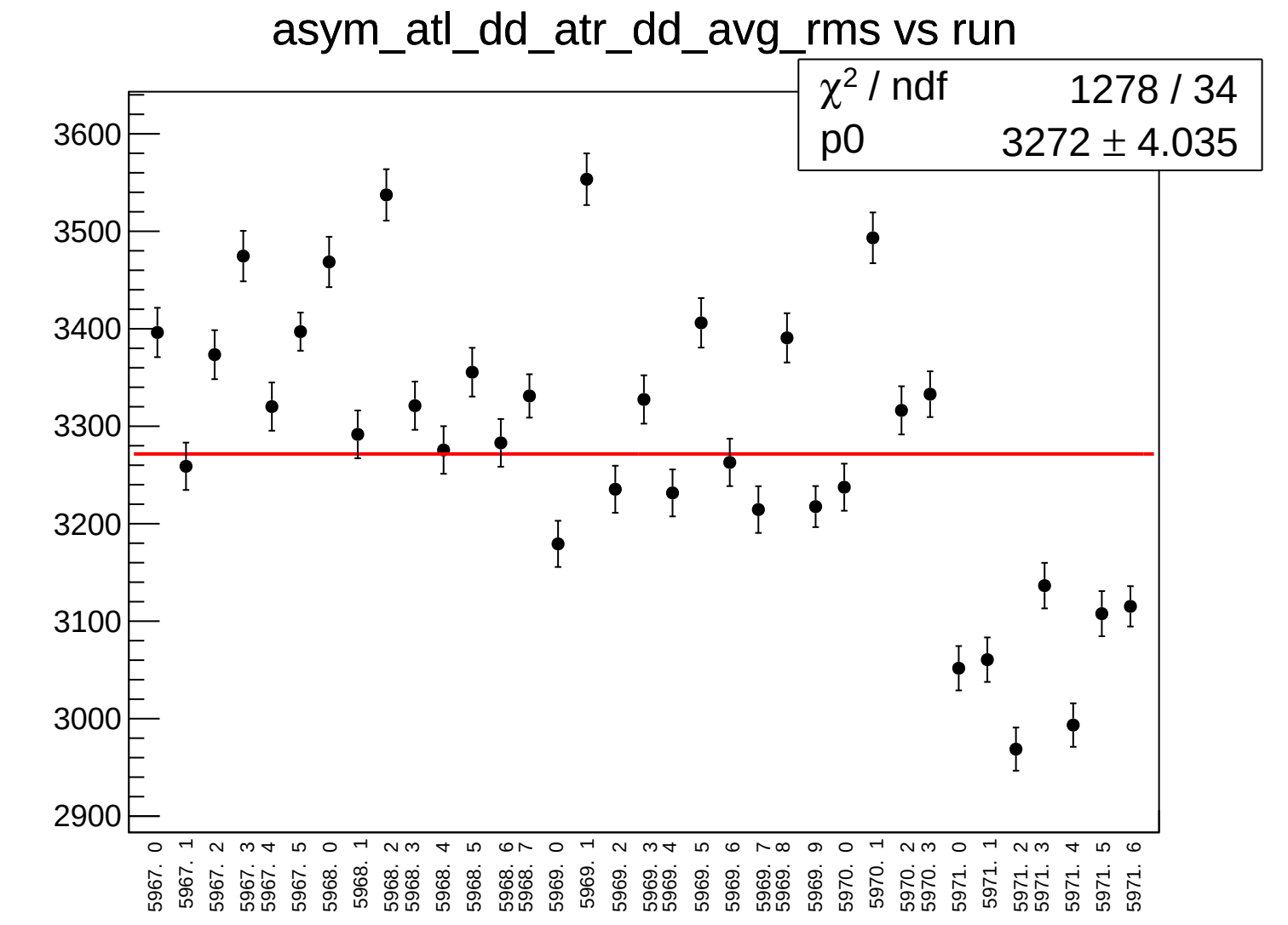

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 91.25 / 34
p0 1215 ± 1.497
1240
1220
1200
1180
1160
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

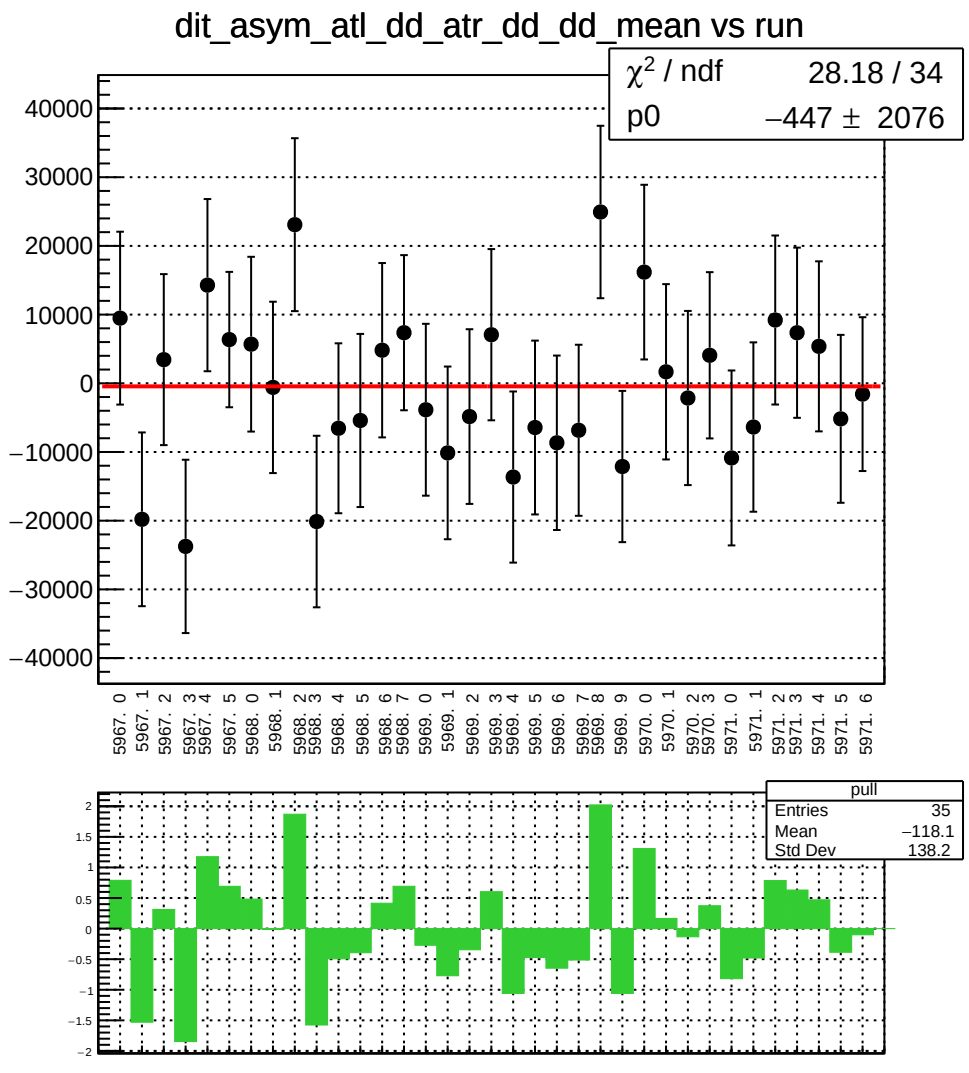

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 32.8 / 34
p0 −6995 ± 5234
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 195.2
Std Dev 176.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.002778
Std Dev 0.968
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

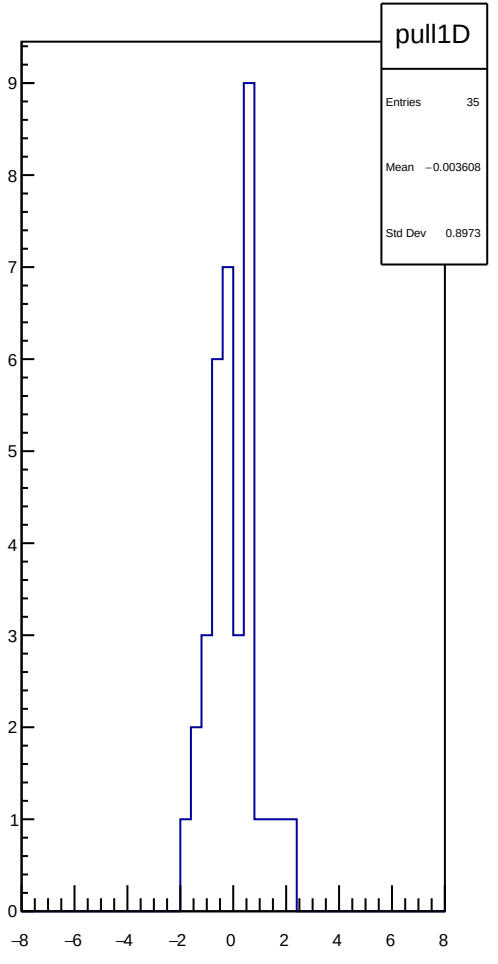

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2503 / 34
p0 2998 ± 3.701
3400
3300
3200
3100
3000
2900
2800
2700
2600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

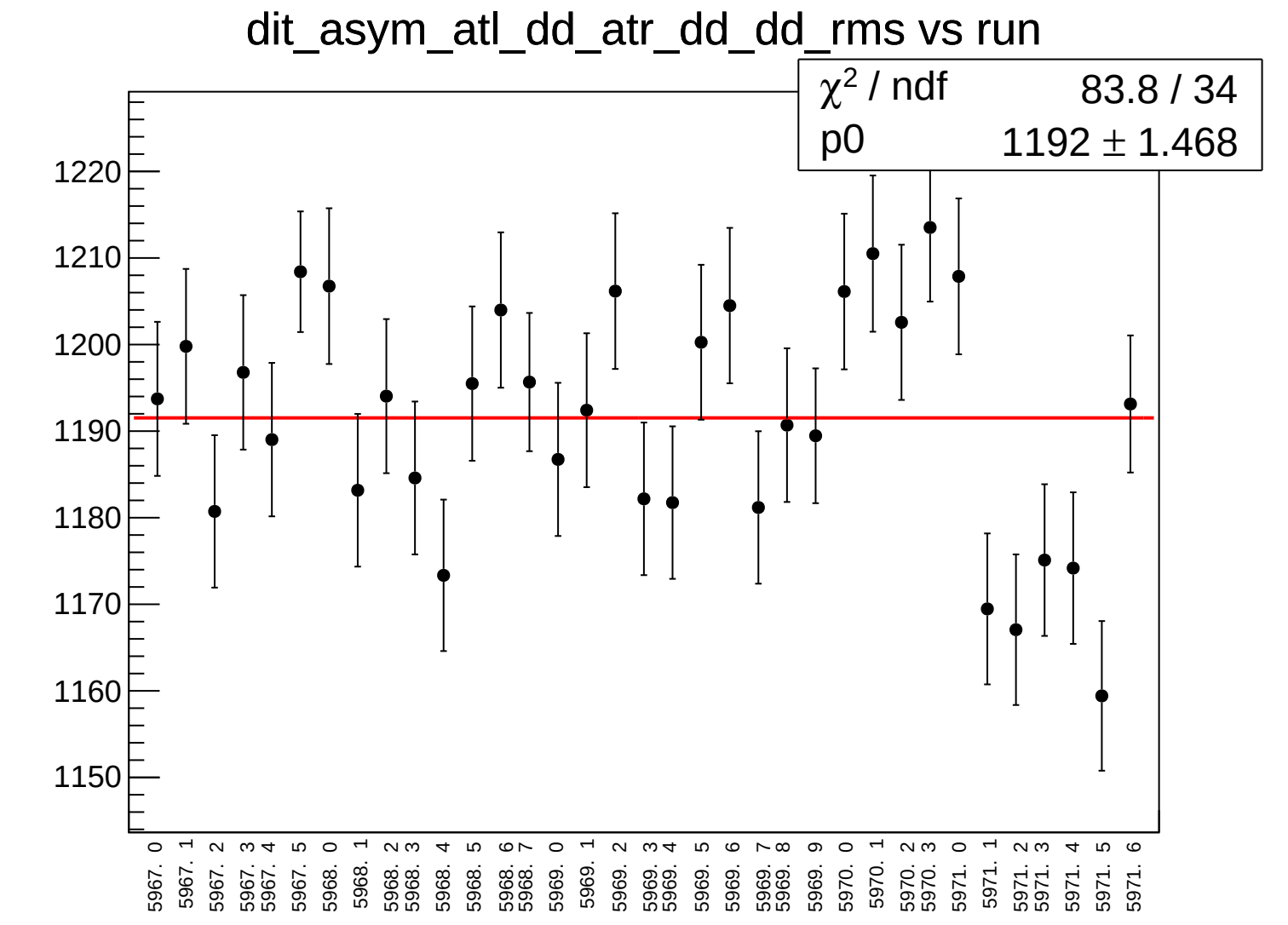

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 40.07 / 34
p0 7057 ± 5706
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 2.69
Std Dev 29.63
2
1
0
−1
−2
−3

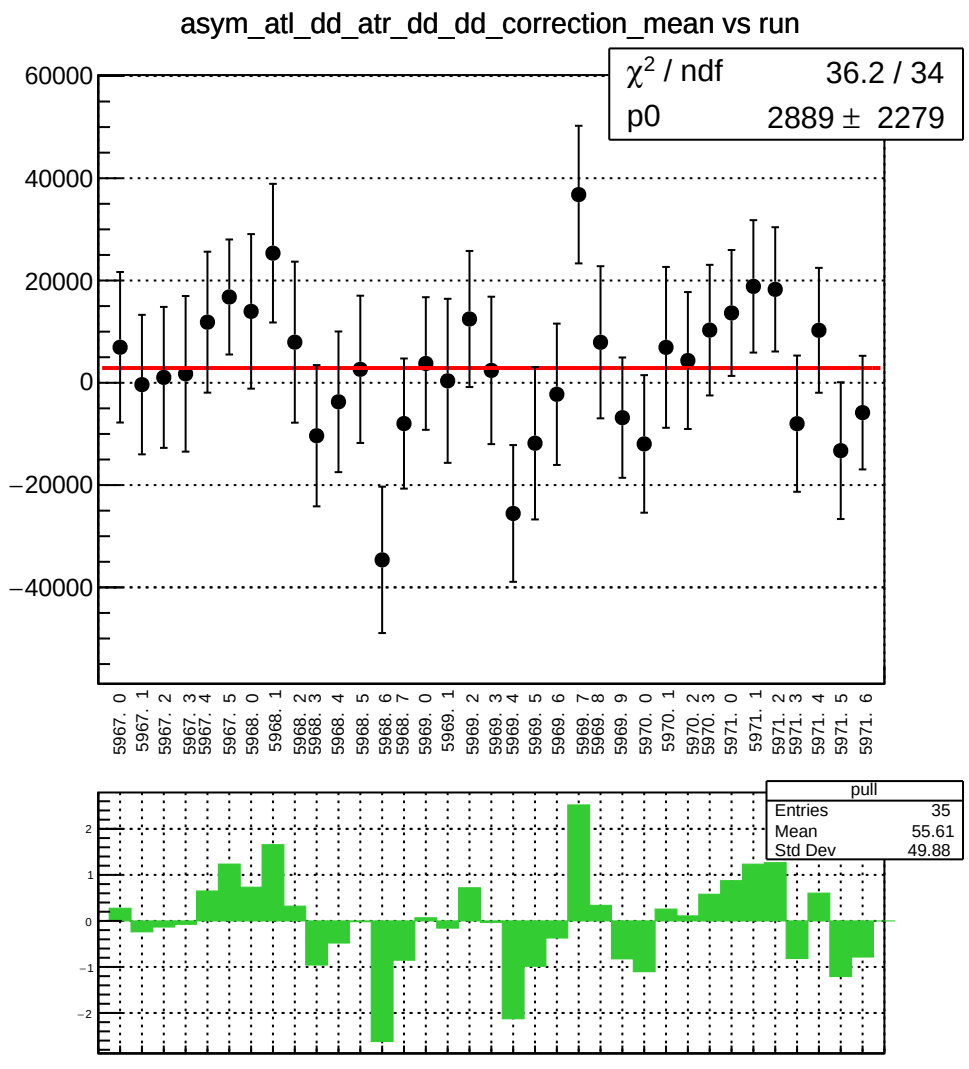

pull1D
Entries 35
Mean −0.003152
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

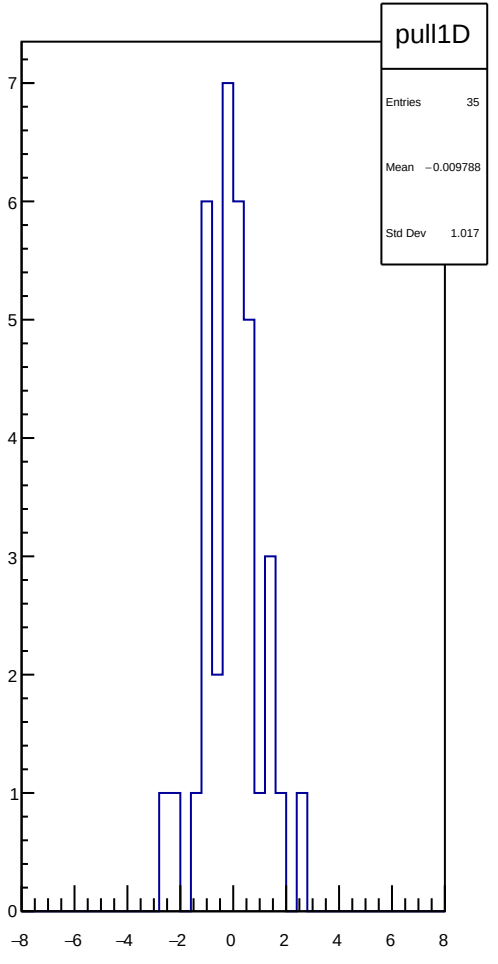

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1278 / 34
p0 3272 ± 4.035
3600
3500
3400
3300
3200
3100
3000
2900
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

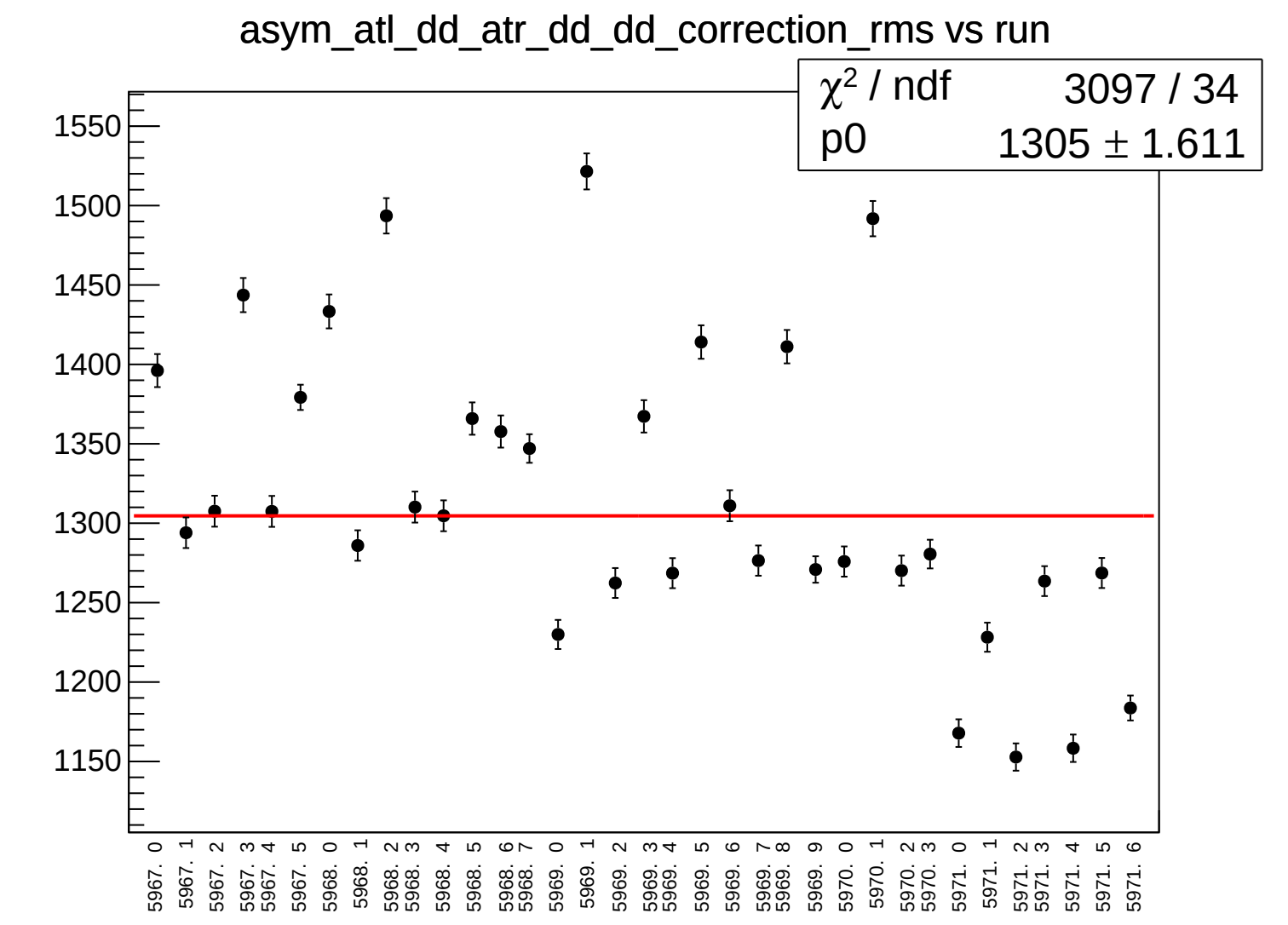

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 28.18 / 34
p0 −447 ± 2076
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −118.1
Std Dev 138.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

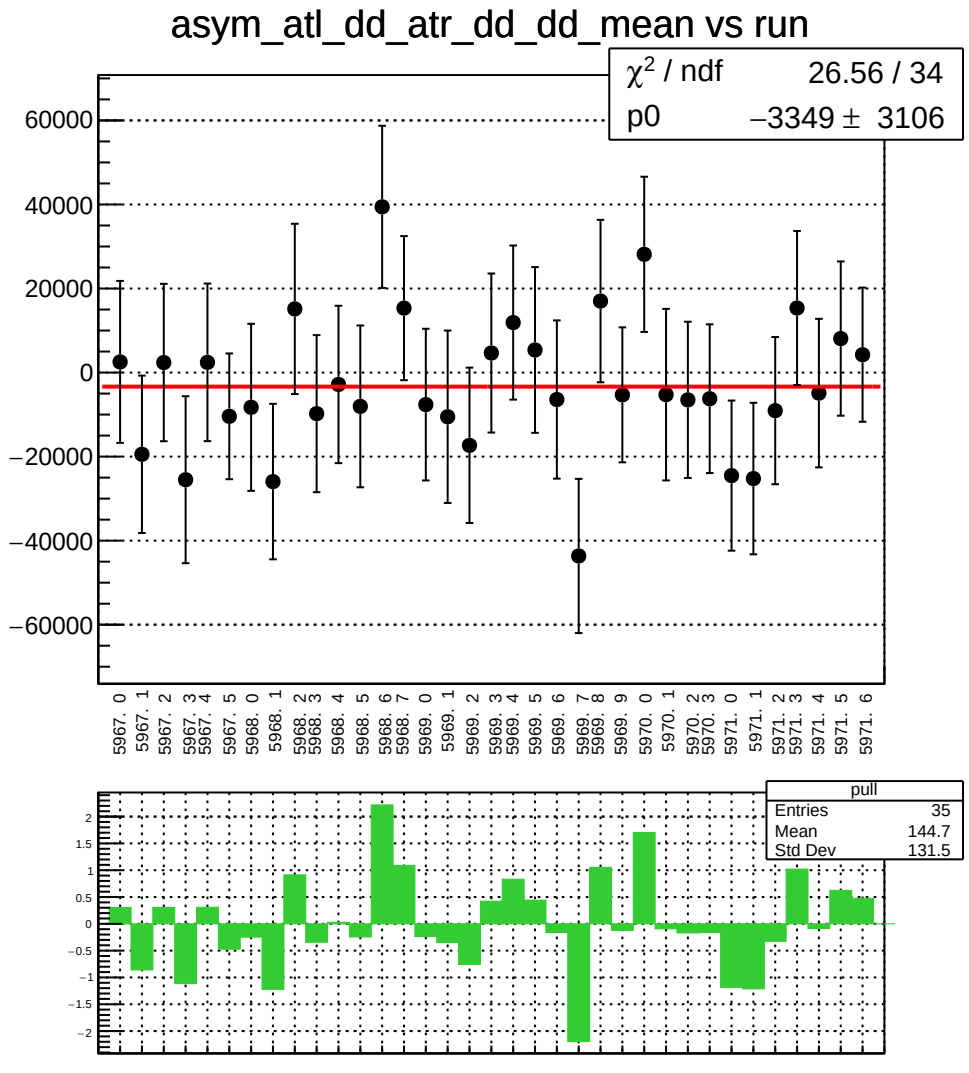

pull1D
Entries 35
Mean −0.003608
Std Dev 0.8973
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

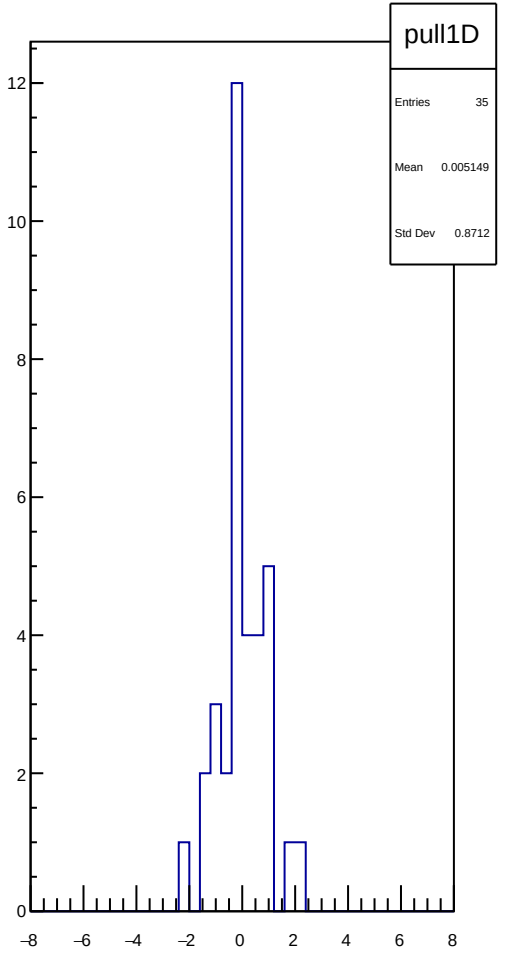

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 83.8 / 34
p0 1192 ± 1.468
1220
1210
1200
1190
1180
1170
1160
1150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

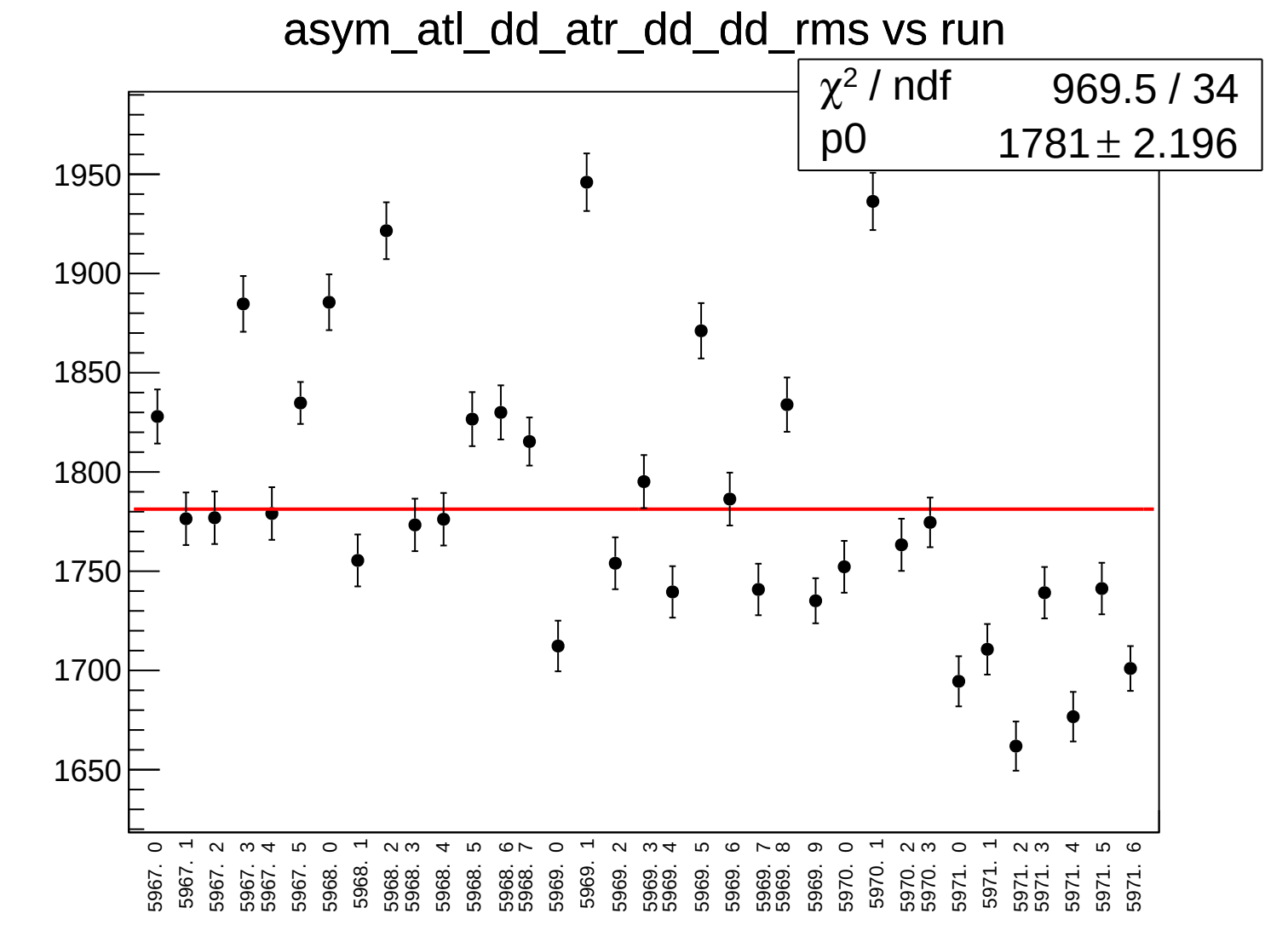

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 36.2 / 34
p0 2889 ± 2279
60000
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 55.61
Std Dev 49.88
2
1
0
−1
−2

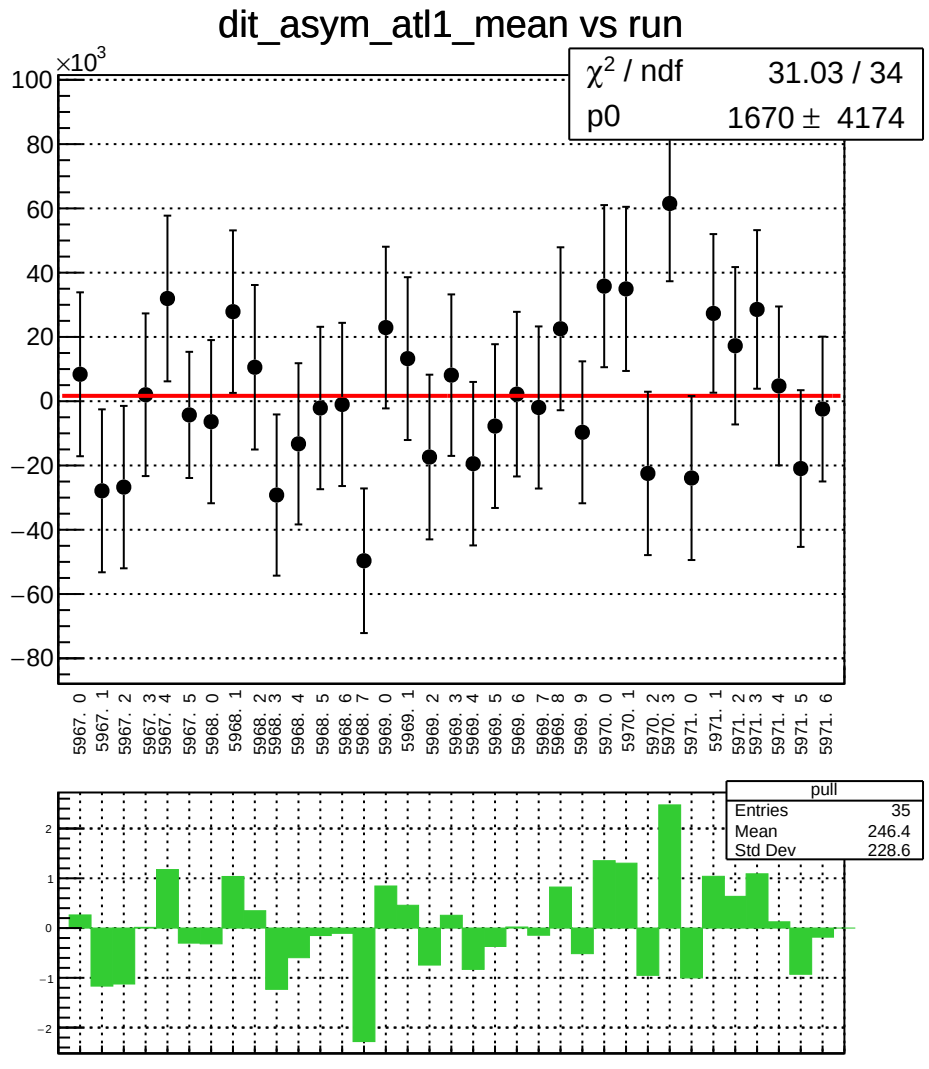

pull1D
Entries 35
Mean −0.009788
Std Dev 1.017
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

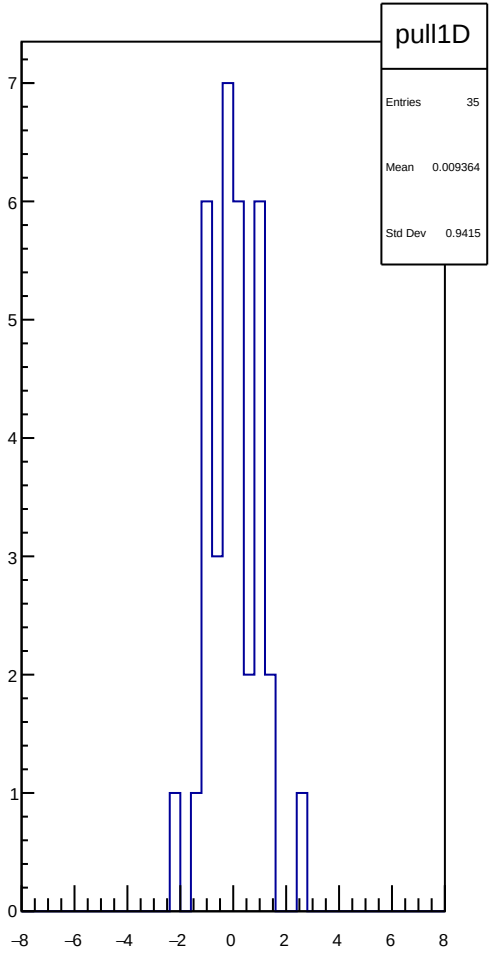

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3097 / 34
p0 1305 ± 1.611
1550
1500
1450
1400
1350
1300
1250
1200
1150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

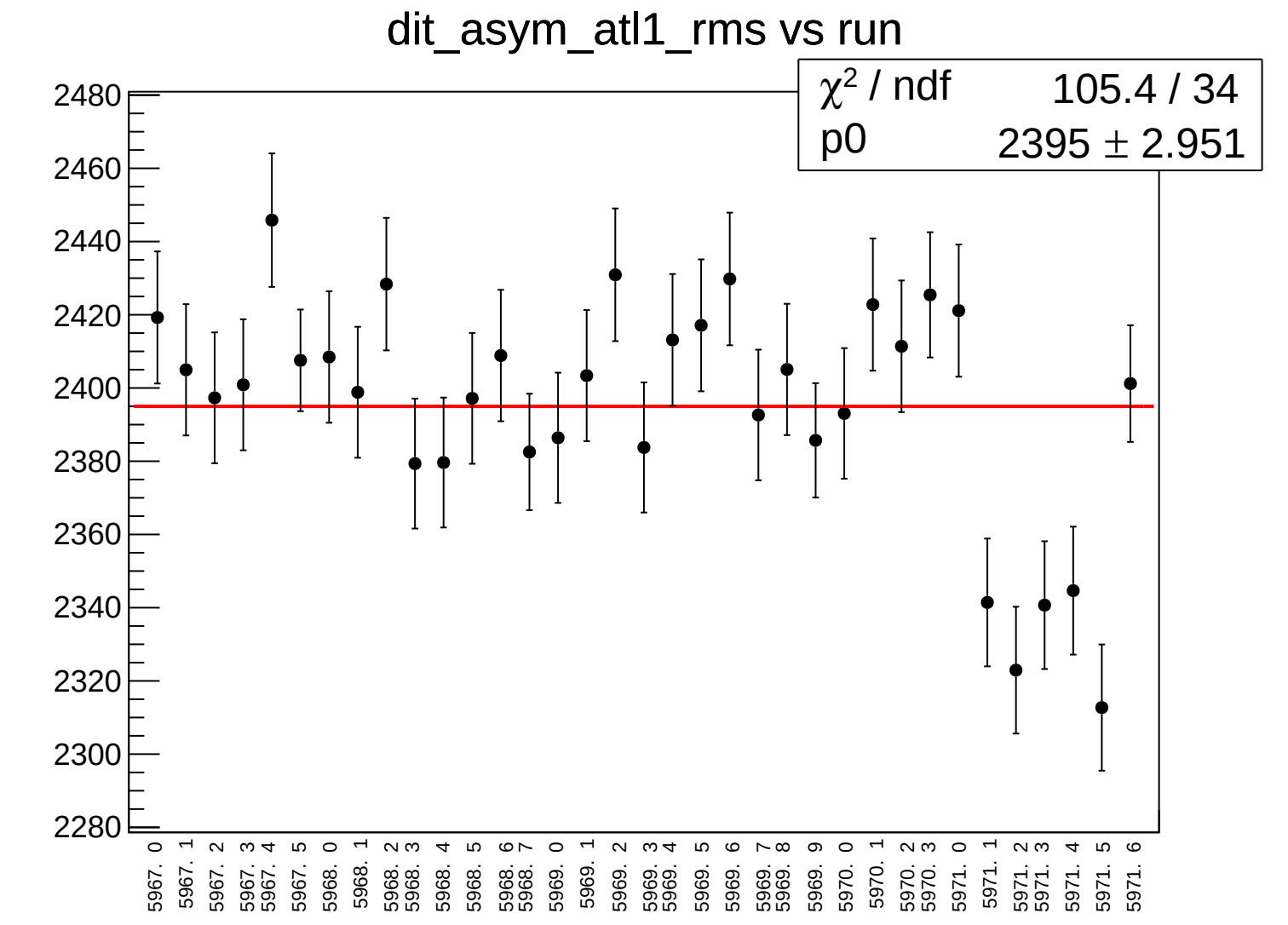

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 26.56 / 34
p0 −3349 ± 3106
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 144.7
Std Dev 131.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

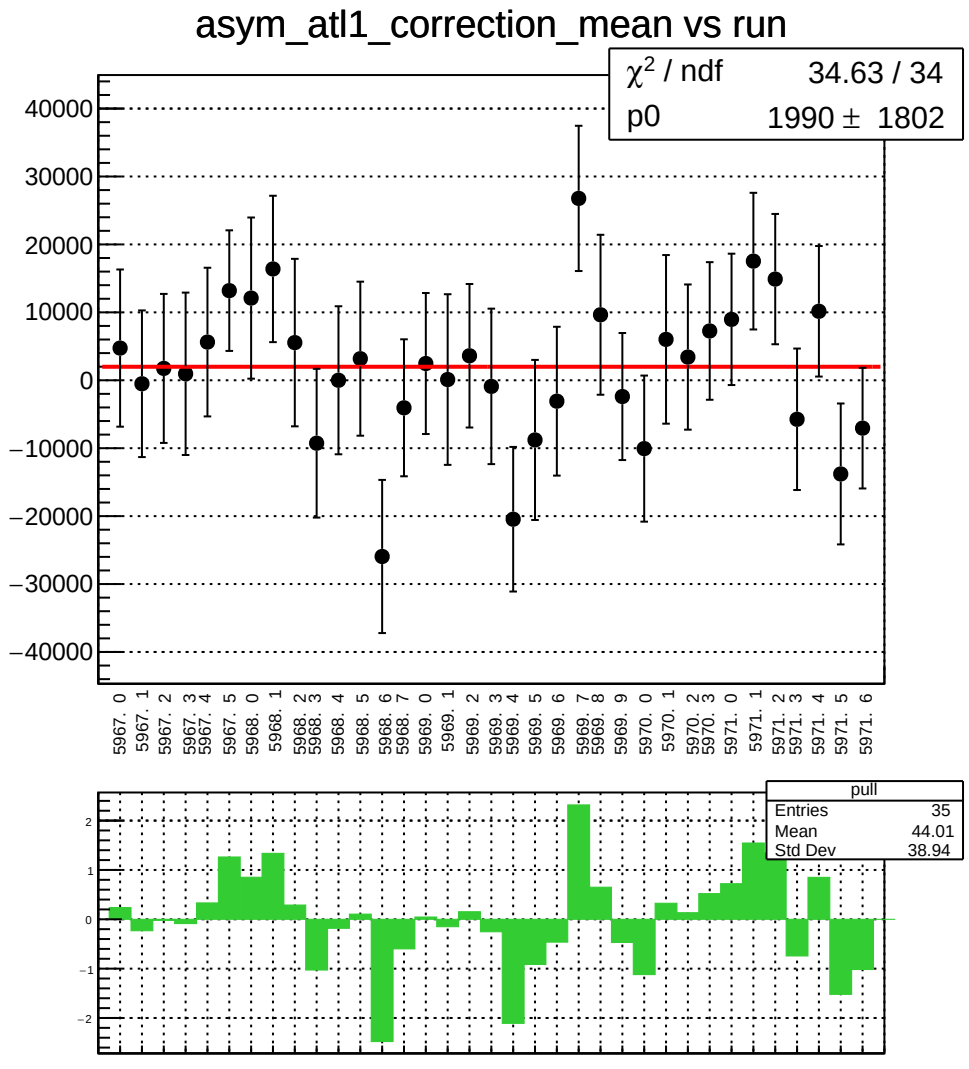

pull1D
Entries 35
Mean 0.005149
Std Dev 0.8712
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

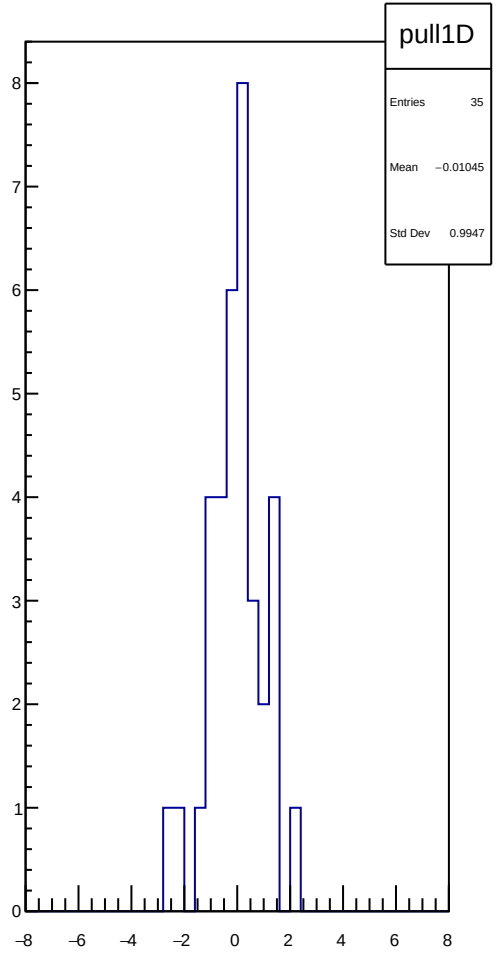

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 969.5 / 34
p0 1781 ± 2.196
1950
1900
1850
1800
1750
1700
1650
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

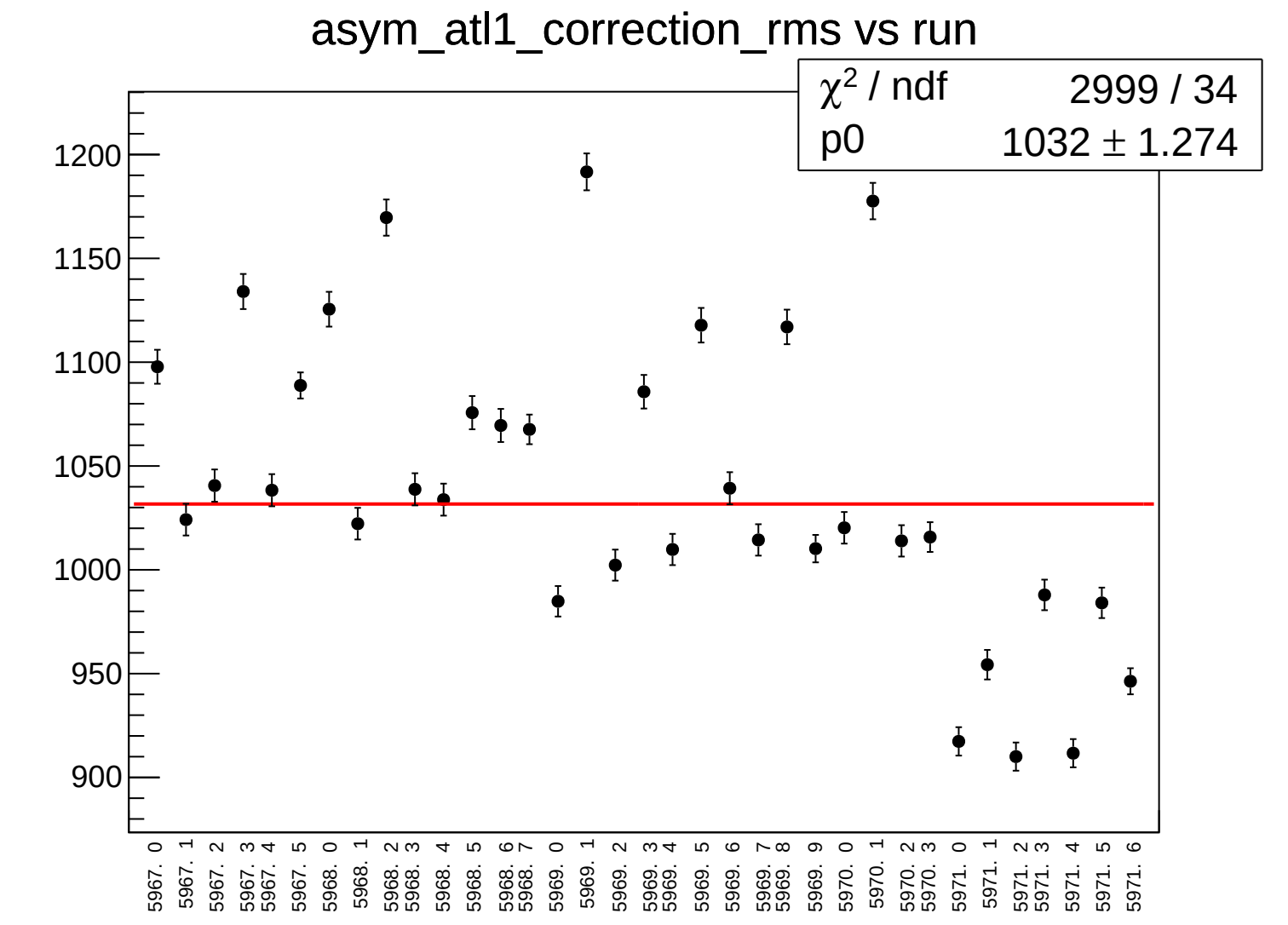

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 31.03 / 34
p0 1670 ± 4174
pull
Entries 35
Mean 246.4
Std Dev 228.6

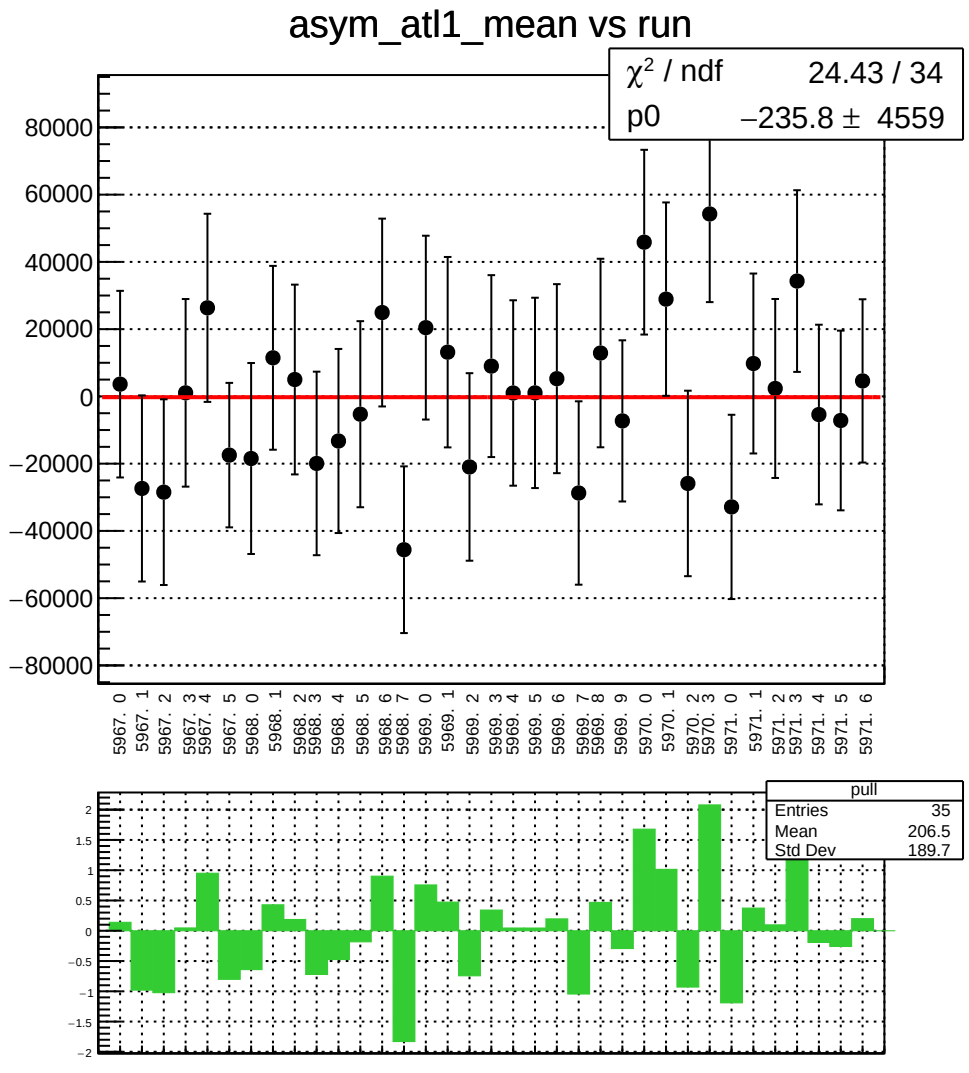

pull1D
Entries 35
Mean 0.009364
Std Dev 0.9415

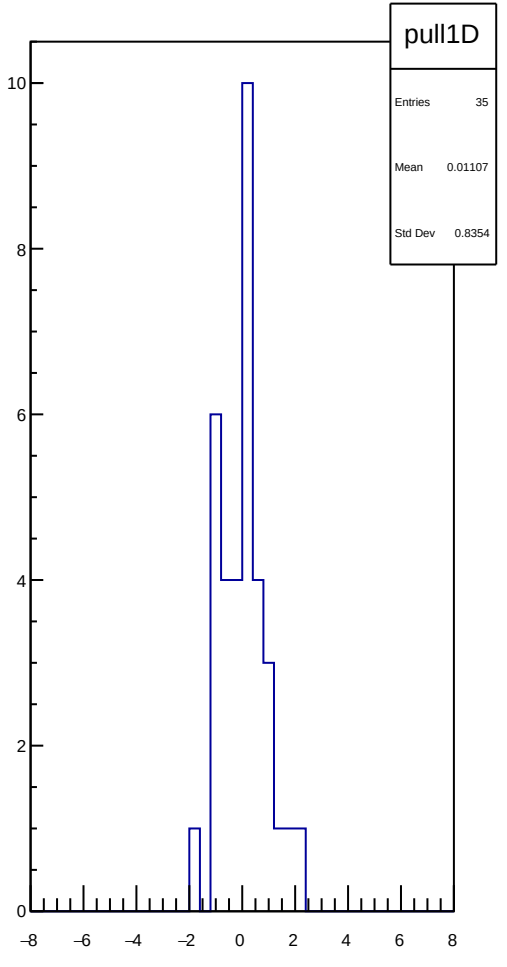

dit_asym_atl1_rms vs run
χ² / ndf 105.4 / 34
p0 2395 ± 2.951
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

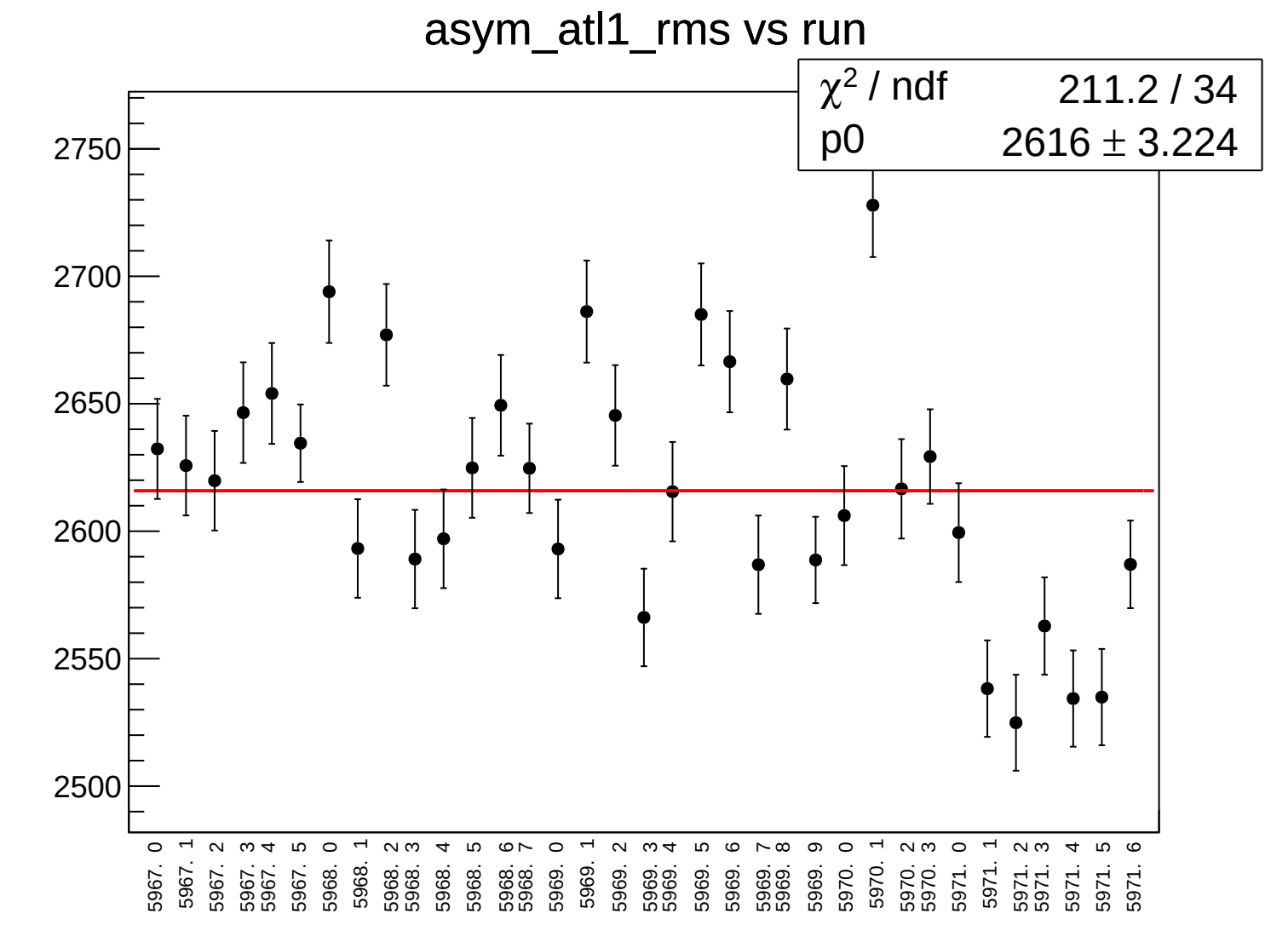

asym_atl1_correction_mean vs run
χ² / ndf 34.63 / 34
p0 1990 ± 1802
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 44.01
Std Dev 38.94
2
1
0
−1
−2

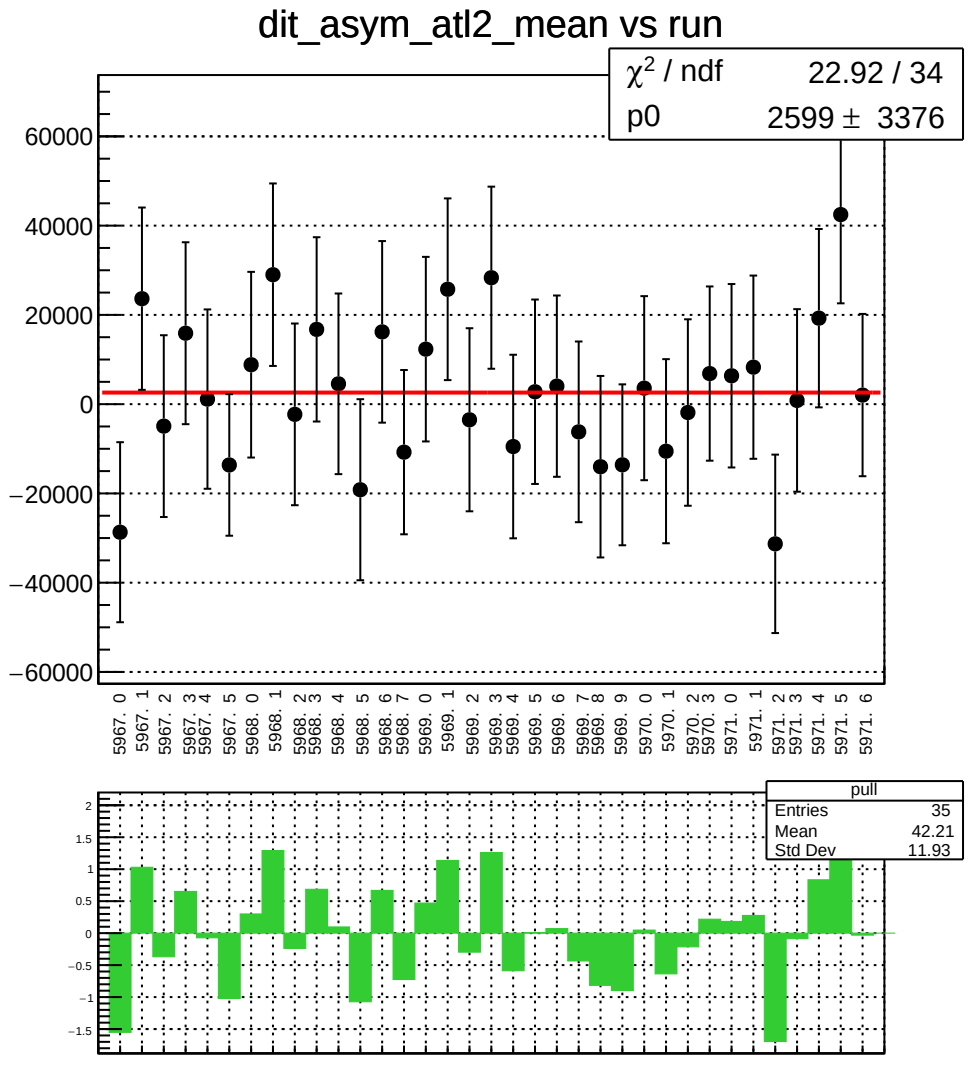

pull1D
Entries 35
Mean −0.01045
Std Dev 0.9947
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

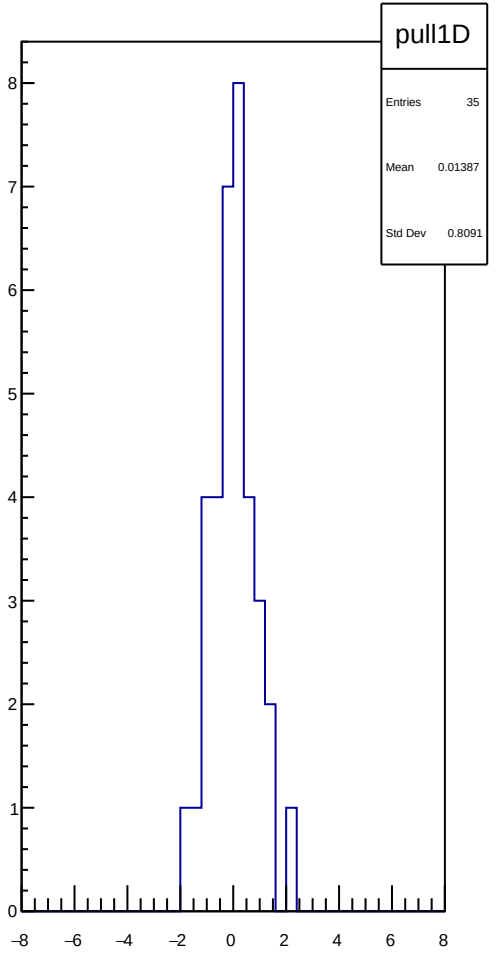

asym_atl1_correction_rms vs run
χ² / ndf 2999 / 34
p0 1032 ± 1.274
1200
1150
1100
1050
1000
950
900
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

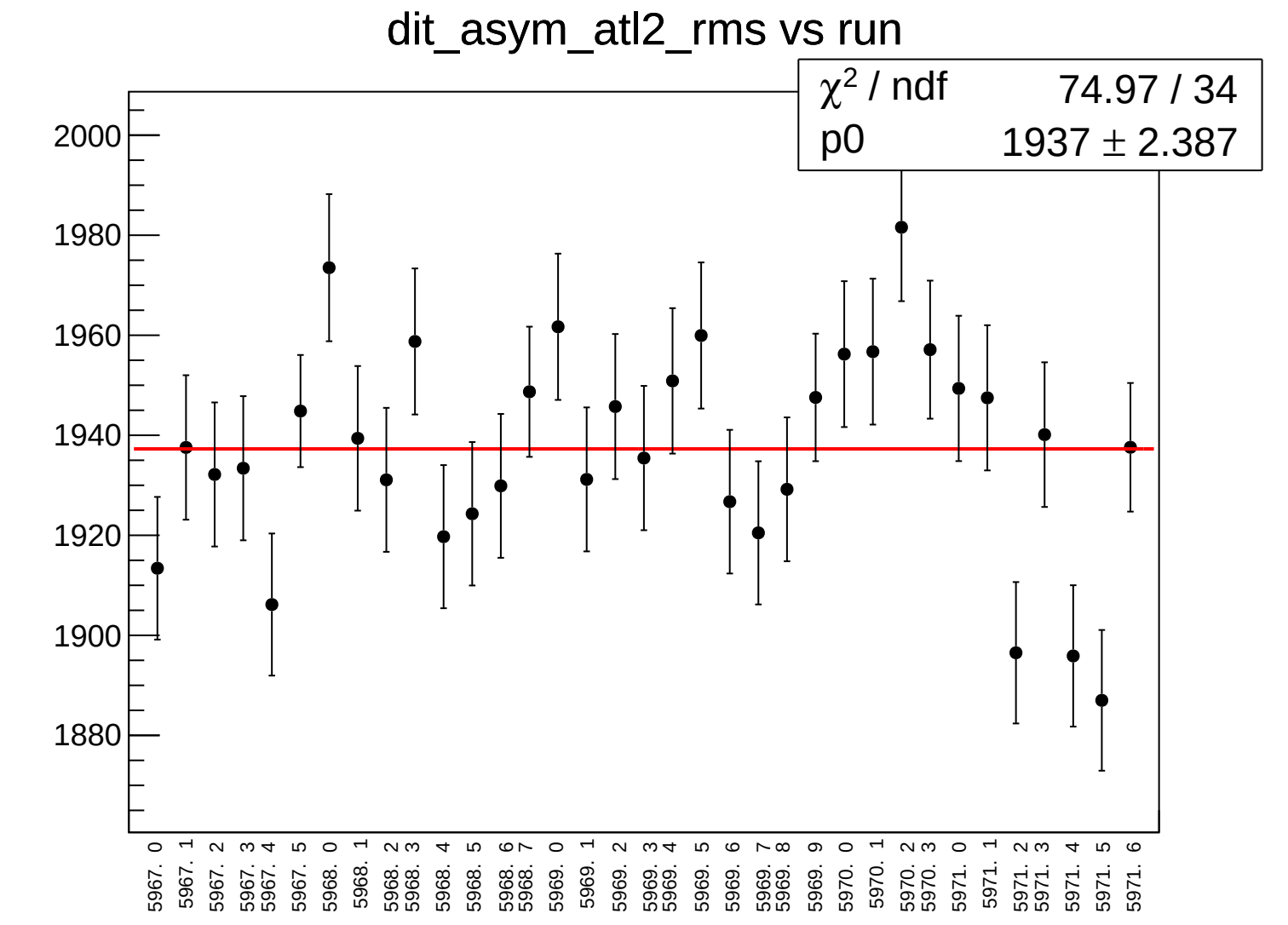

asym_atl1_mean vs run
χ² / ndf 24.43 / 34
p0 −235.8 ± 4559
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 206.5
Std Dev 189.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

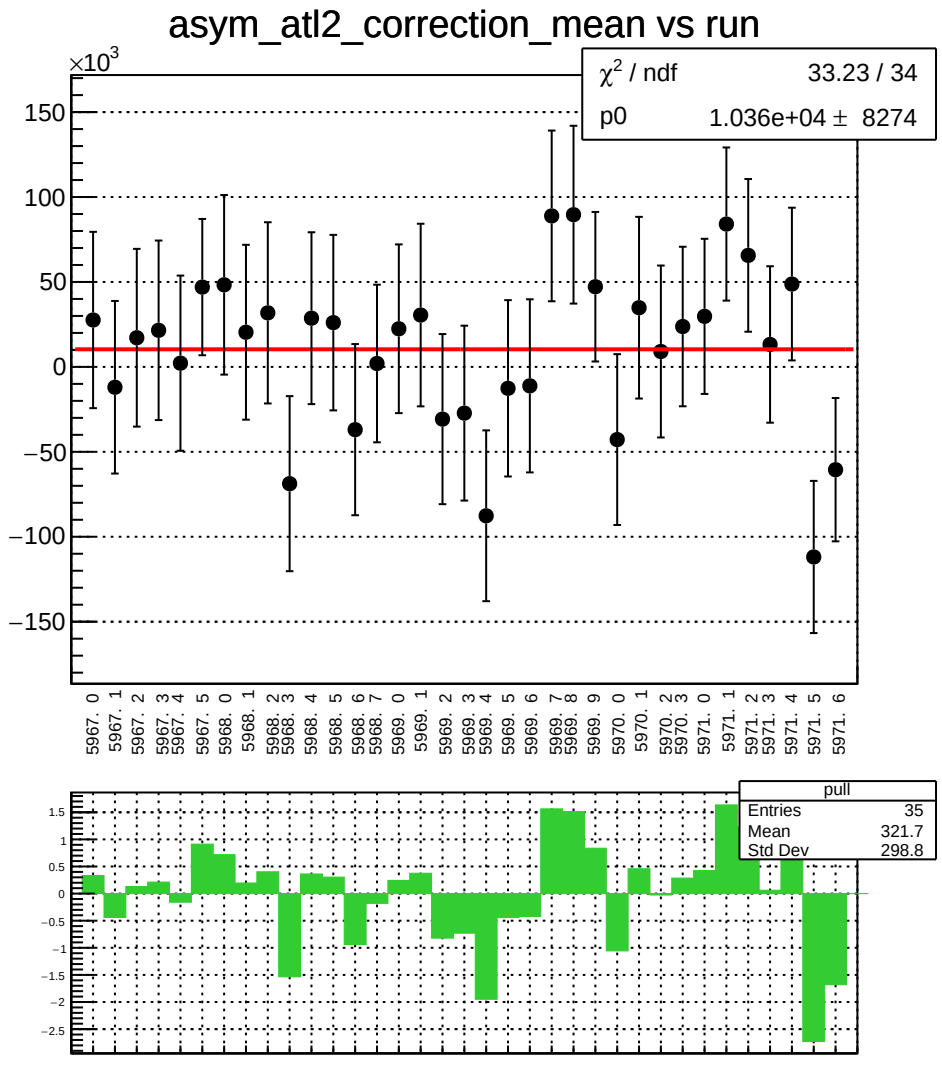

pull1D
Entries 35
Mean 0.01107
Std Dev 0.8354
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

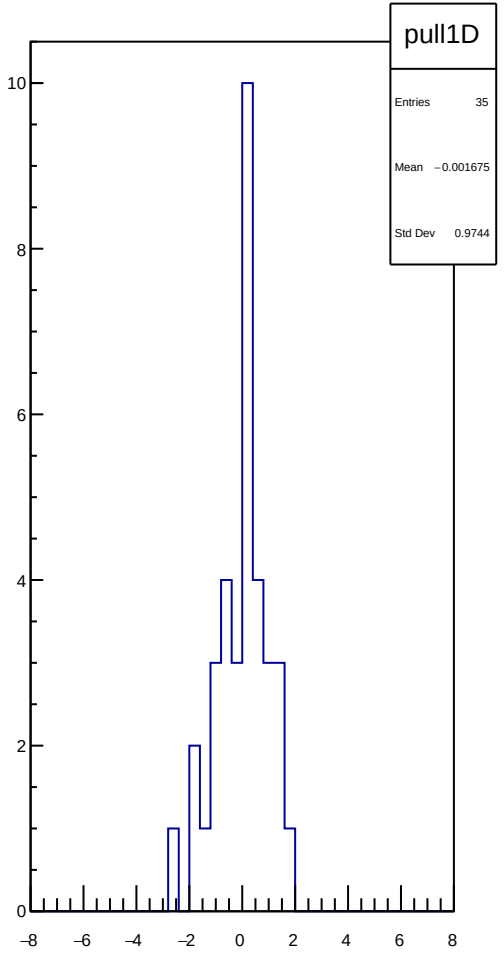

asym_atl1_rms vs run
χ² / ndf 211.2 / 34
p0 2616 ± 3.224
2750
2700
2650
2600
2550
2500
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

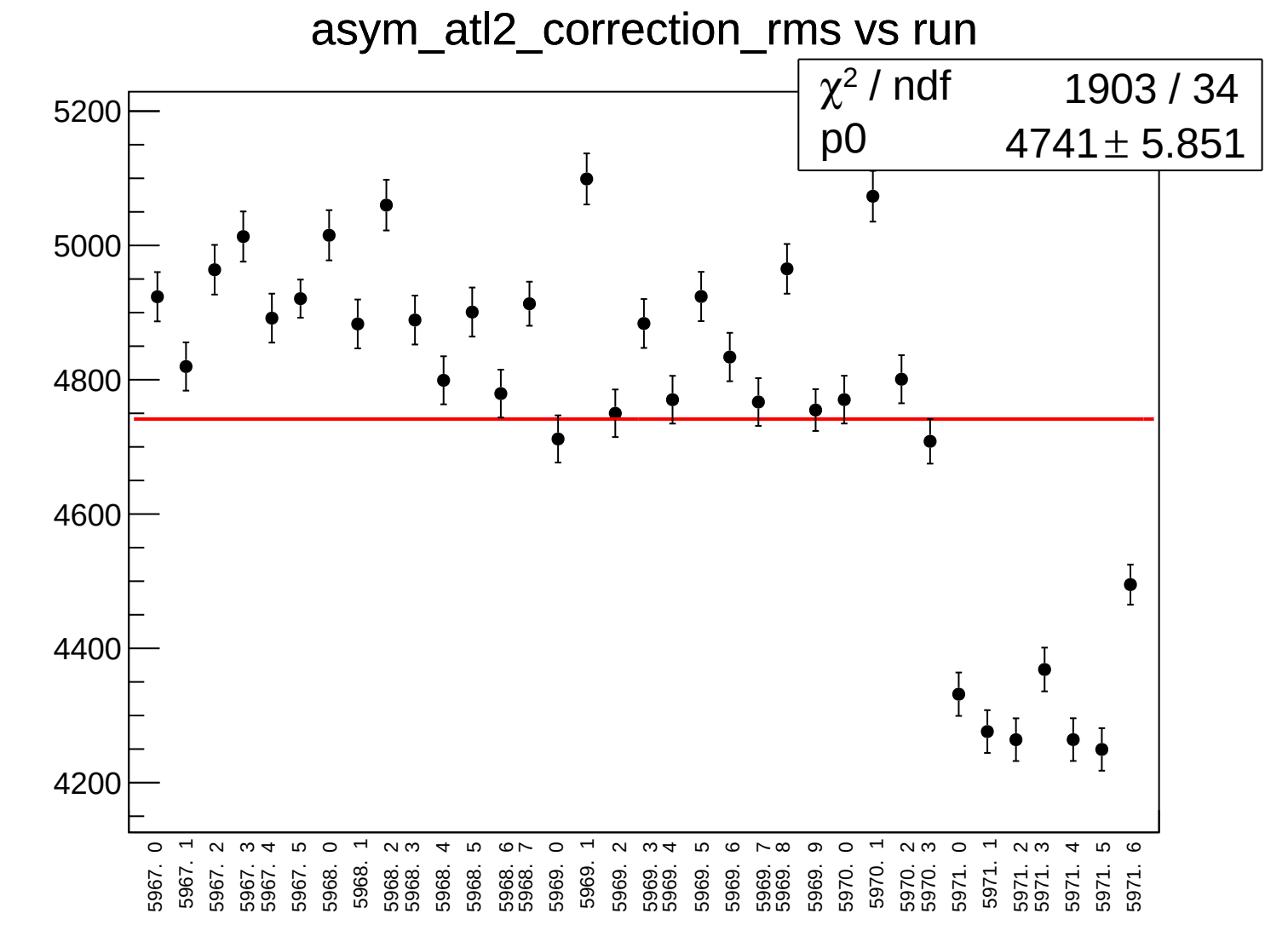

dit_asym_atl2_mean vs run
χ² / ndf 22.92 / 34
p0 2599 ± 3376
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 42.21
Std Dev 11.93
2
1.5
1
0.5
0
−0.5
−1
−1.5

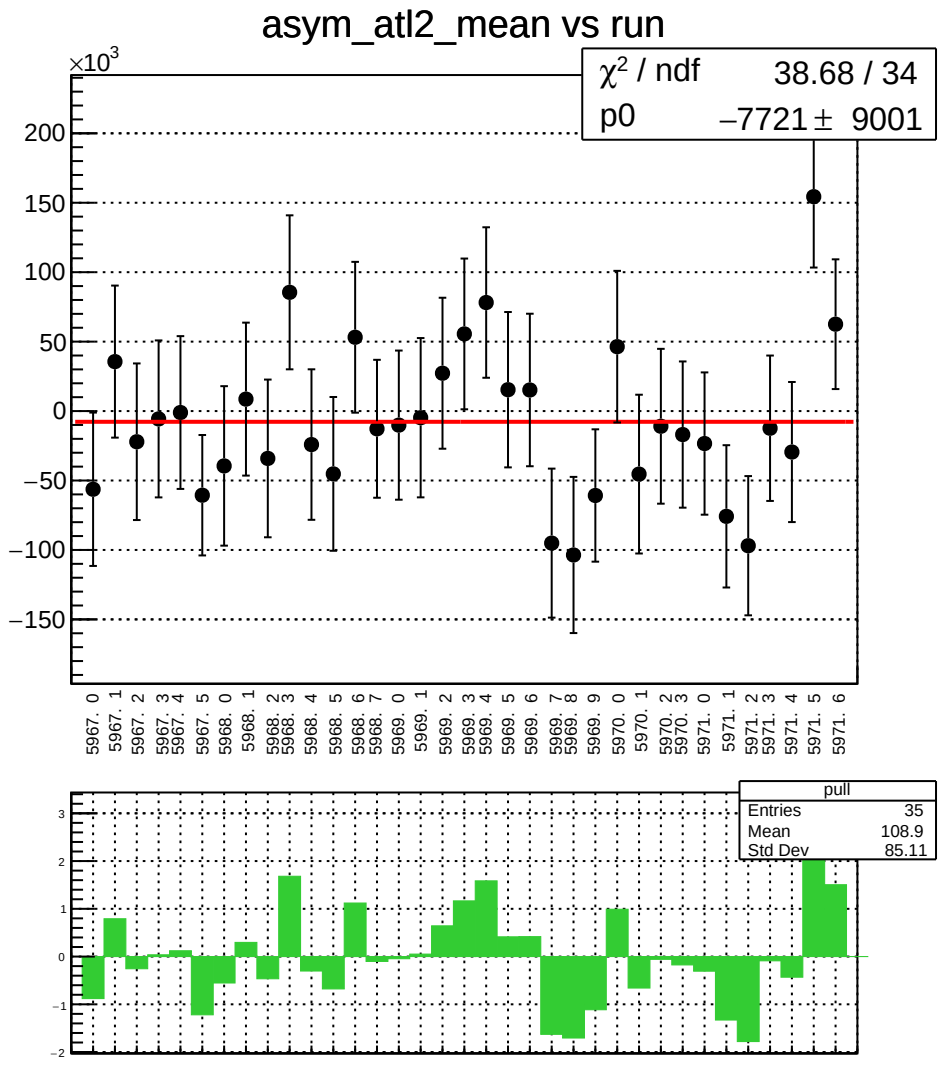

pull1D
Entries 35
Mean 0.01387
Std Dev 0.8091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

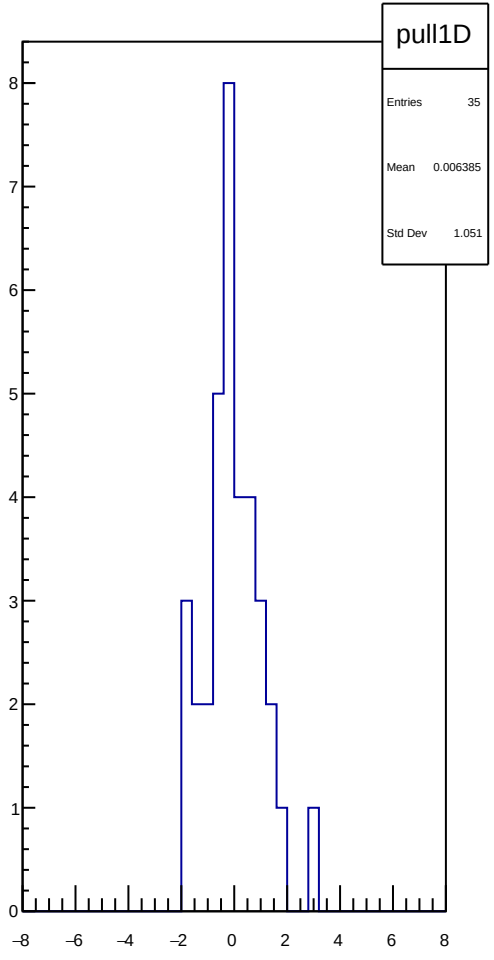

dit_asym_atl2_rms vs run
χ² / ndf 74.97 / 34
p0 1937 ± 2.387
2000
1980
1960
1940
1920
1900
1880
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

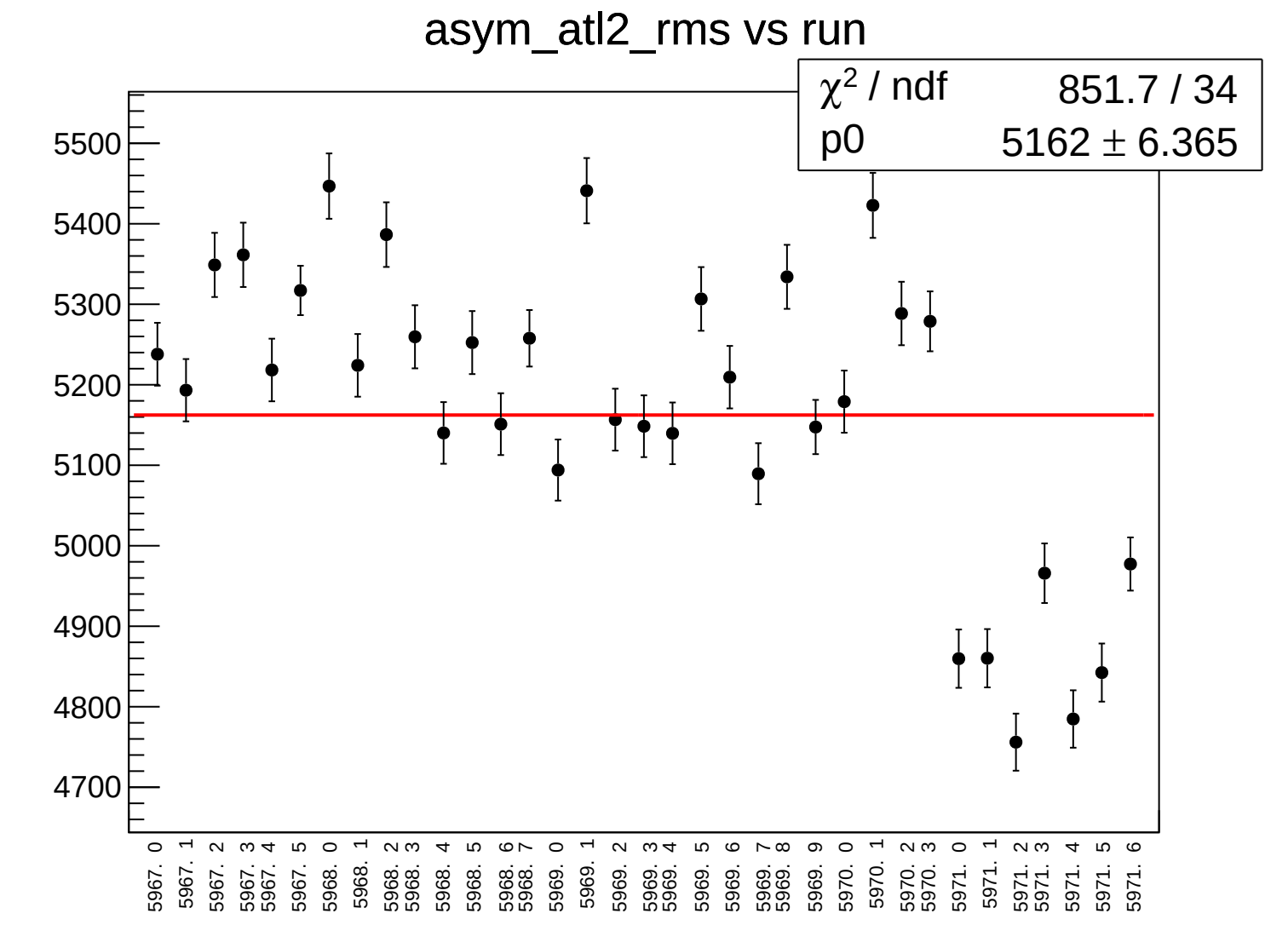

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 33.23 / 34
p0 1.036e+04 ± 8274
150
100
50
0
−50
−100
−150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 321.7
Std Dev 298.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

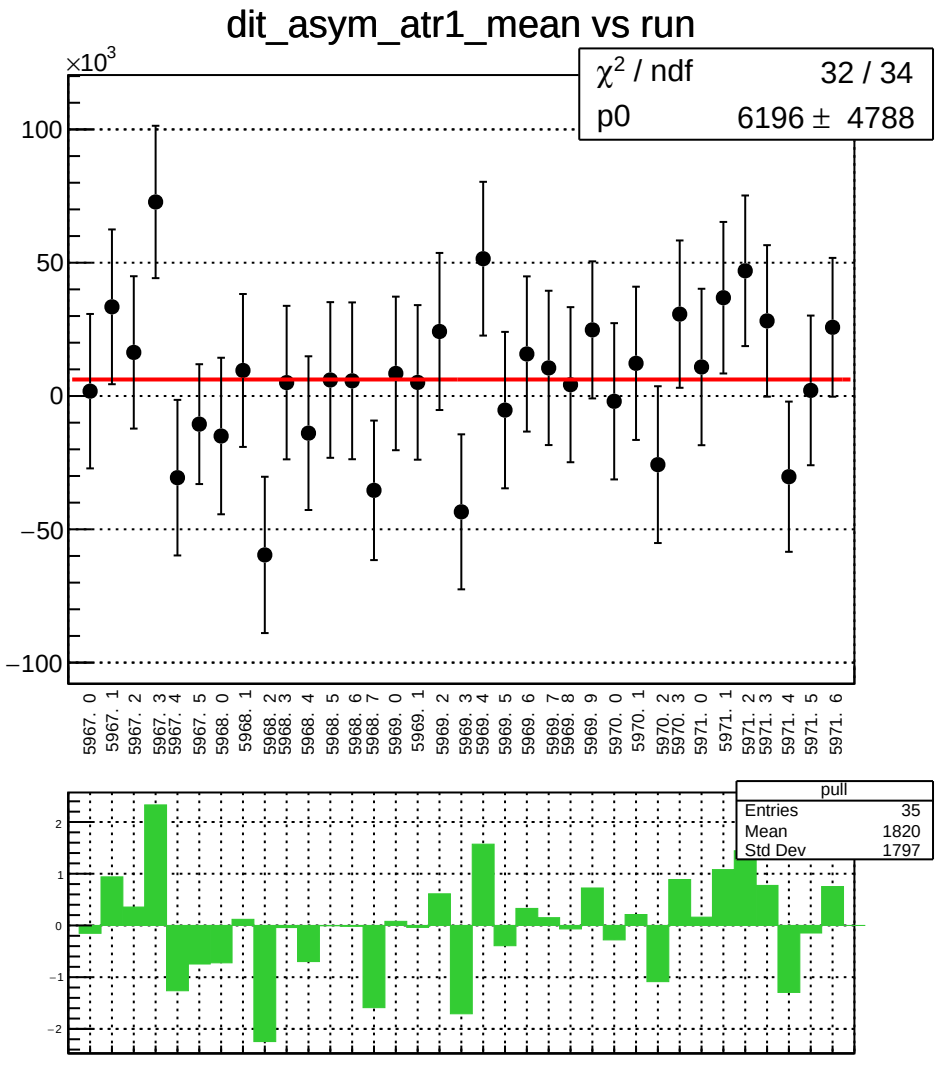

pull1D
Entries 35
Mean −0.001675
Std Dev 0.9744
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

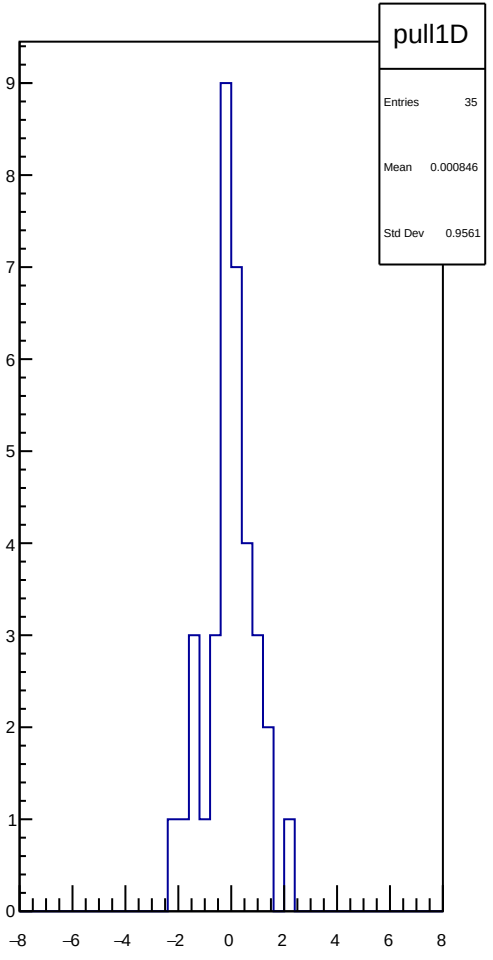

asym_atl2_correction_rms vs run
χ² / ndf 1903 / 34
p0 4741 ± 5.851
5200
5000
4800
4600
4400
4200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

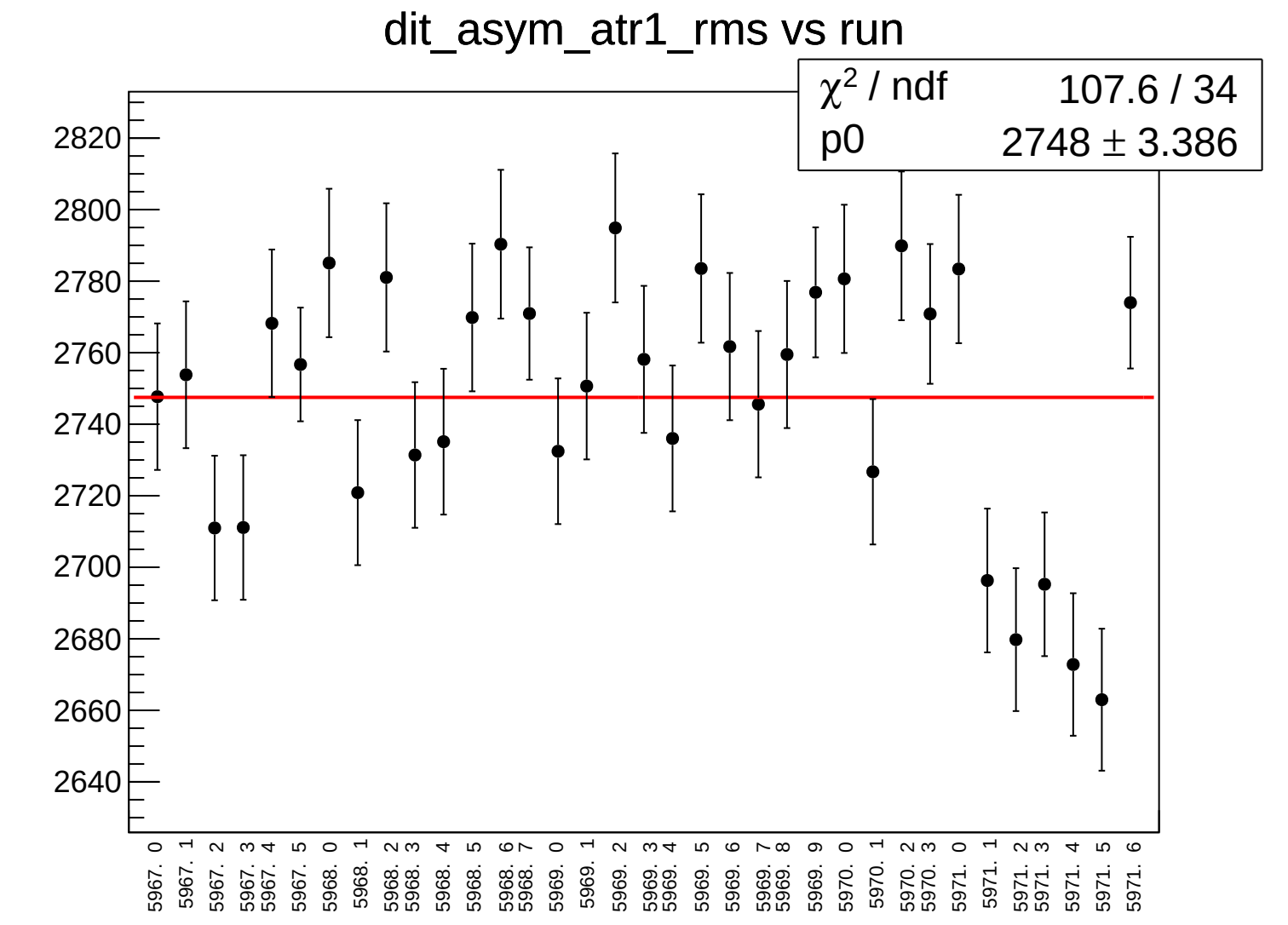

asym_atl2_mean vs run
×10^3
χ² / ndf 38.68 / 34
p0 −7721 ± 9001
200
150
100
50
0
−50
−100
−150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 108.9
Std Dev 85.11
3
2
1
0
−1
−2

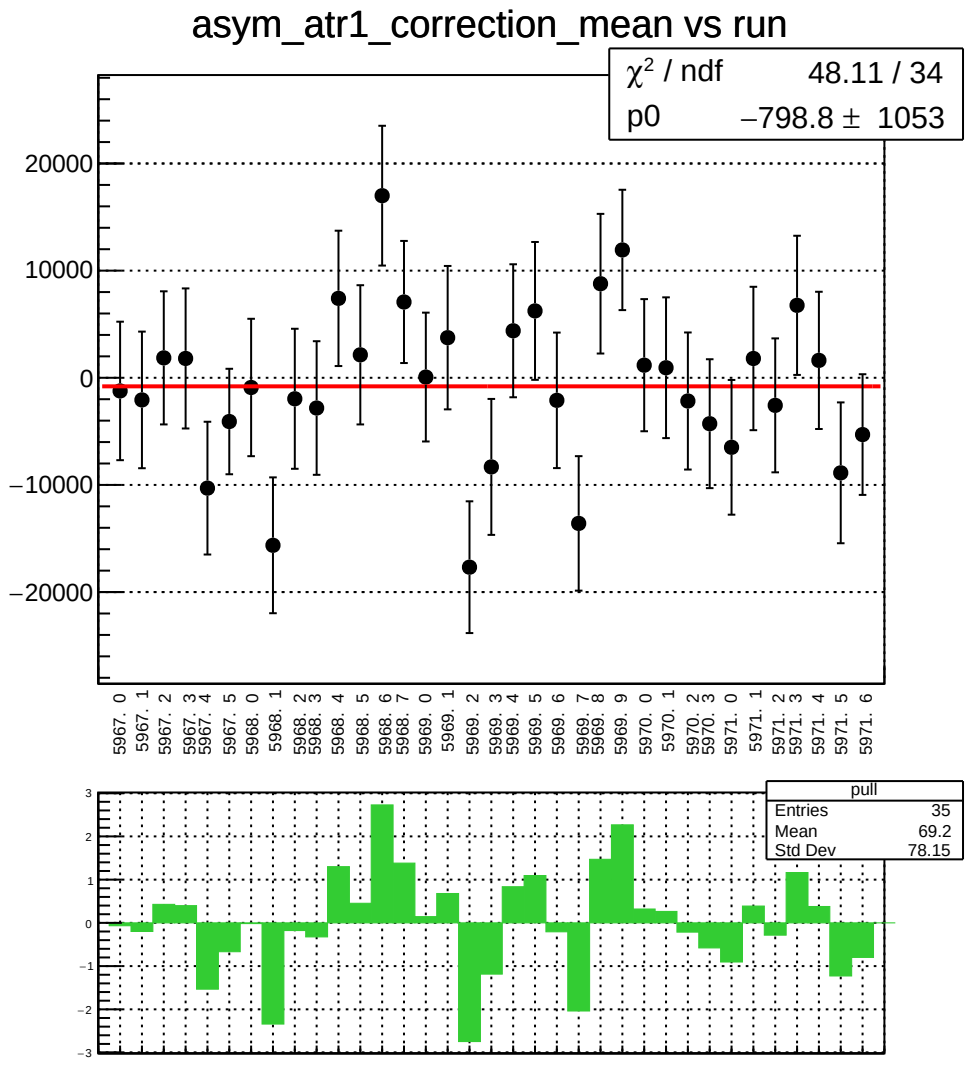

pull1D
Entries 35
Mean 0.006385
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

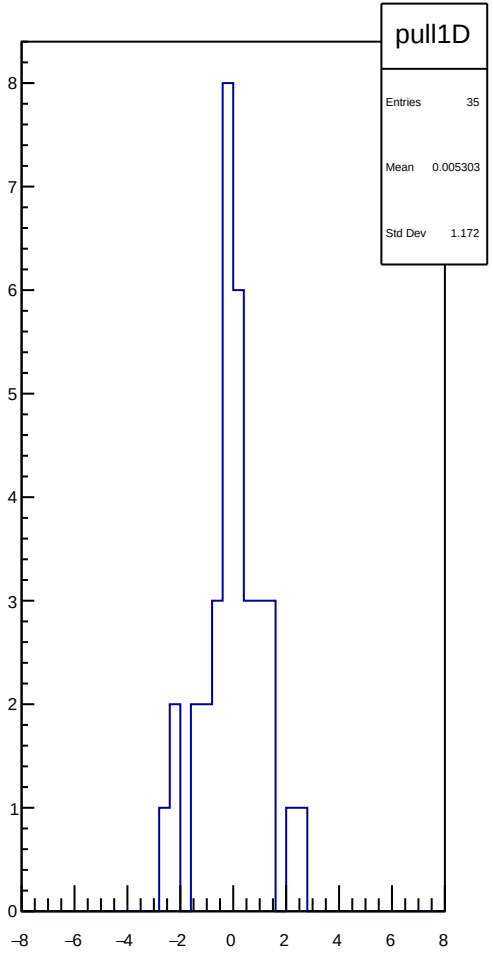

asym_atl2_rms vs run
χ^2 / ndf 851.7 / 34
p0 5162 ± 6.365
5500
5400
5300
5200
5100
5000
4900
4800
4700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

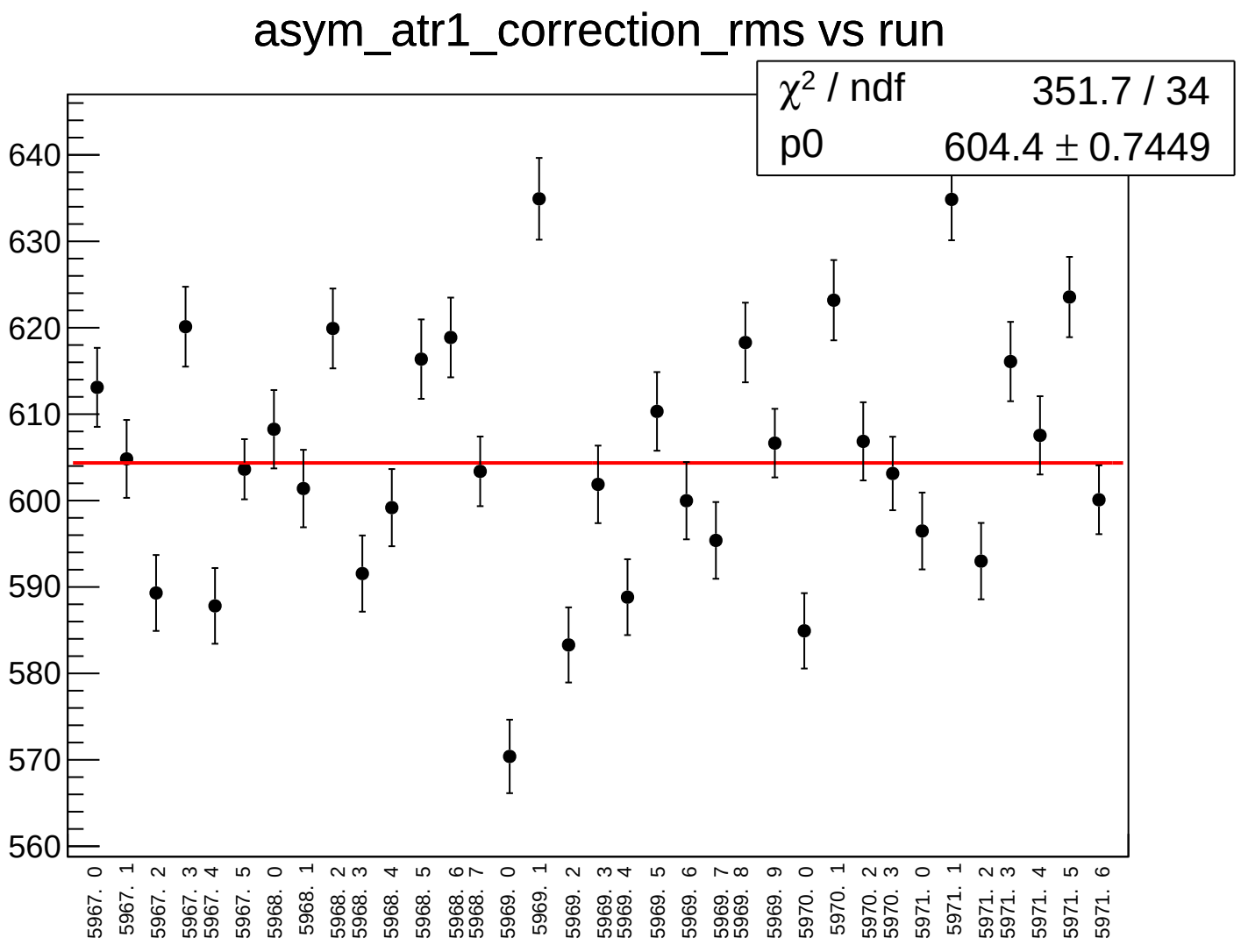

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 32 / 34
p0 6196 ± 4788
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1820
Std Dev 1797
2
1
0
−1
−2

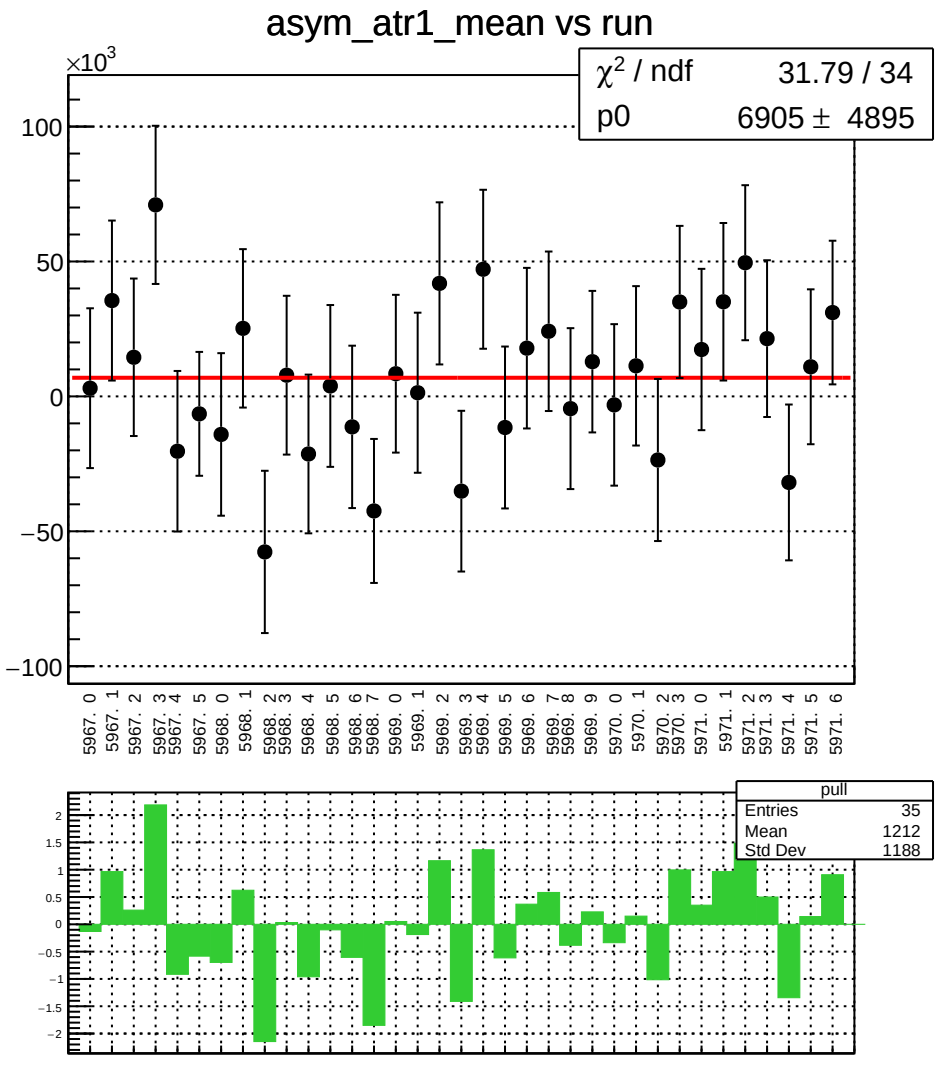

pull1D
Entries 35
Mean 0.000846
Std Dev 0.9561
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

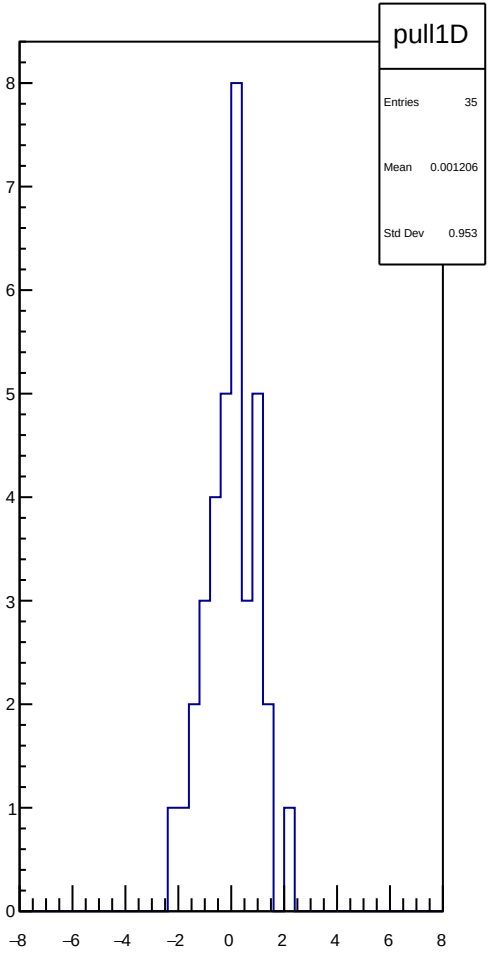

dit_asym_atr1_rms vs run
χ² / ndf 107.6 / 34
p0 2748 ± 3.386
2820
2800
2780
2760
2740
2720
2700
2680
2660
2640
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

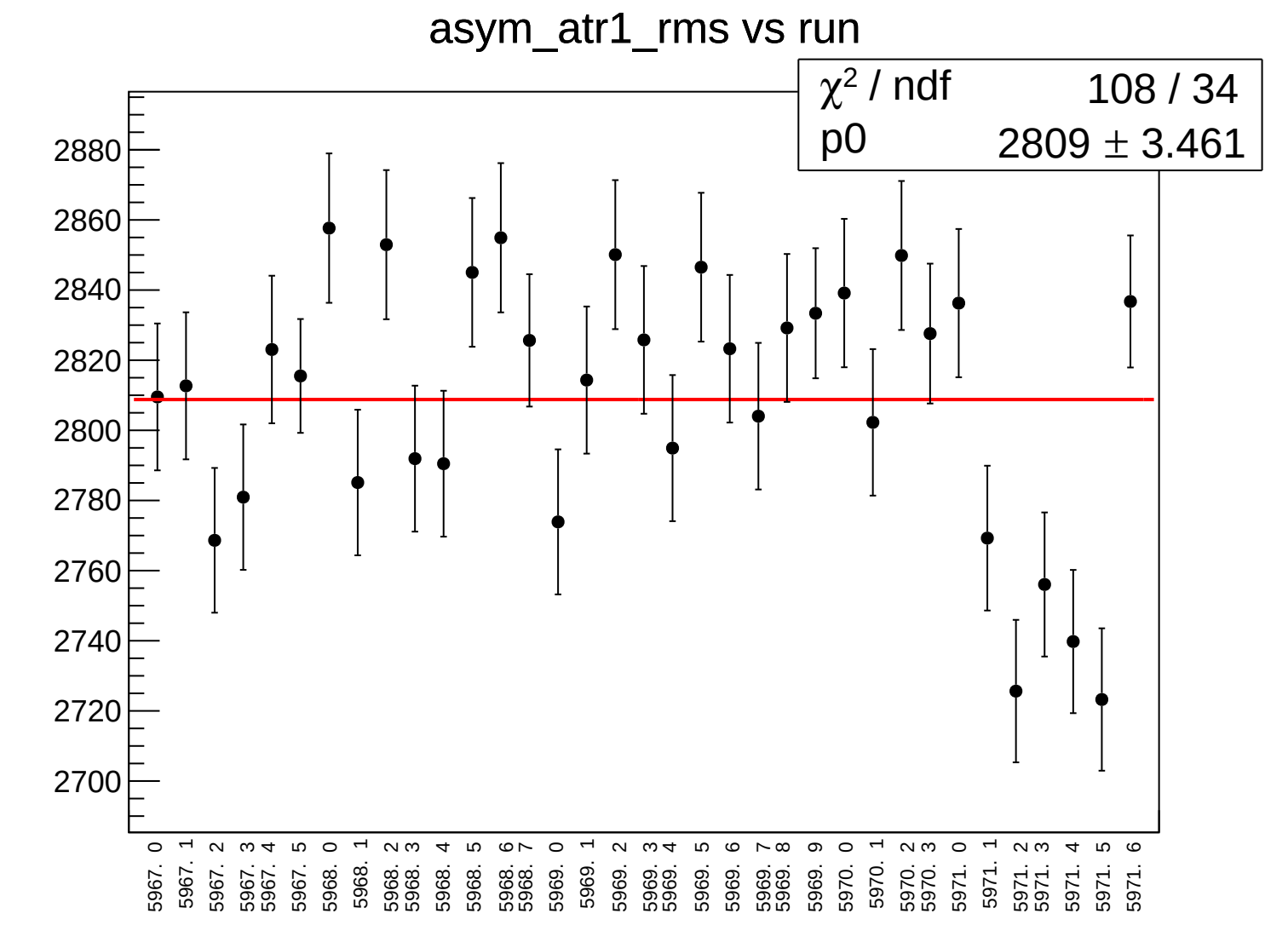

asym_atr1_correction_mean vs run
χ² / ndf 48.11 / 34
p0 −798.8 ± 1053
20000
10000
0
−10000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 69.2
Std Dev 78.15
3
2
1
0
−1
−2
−3

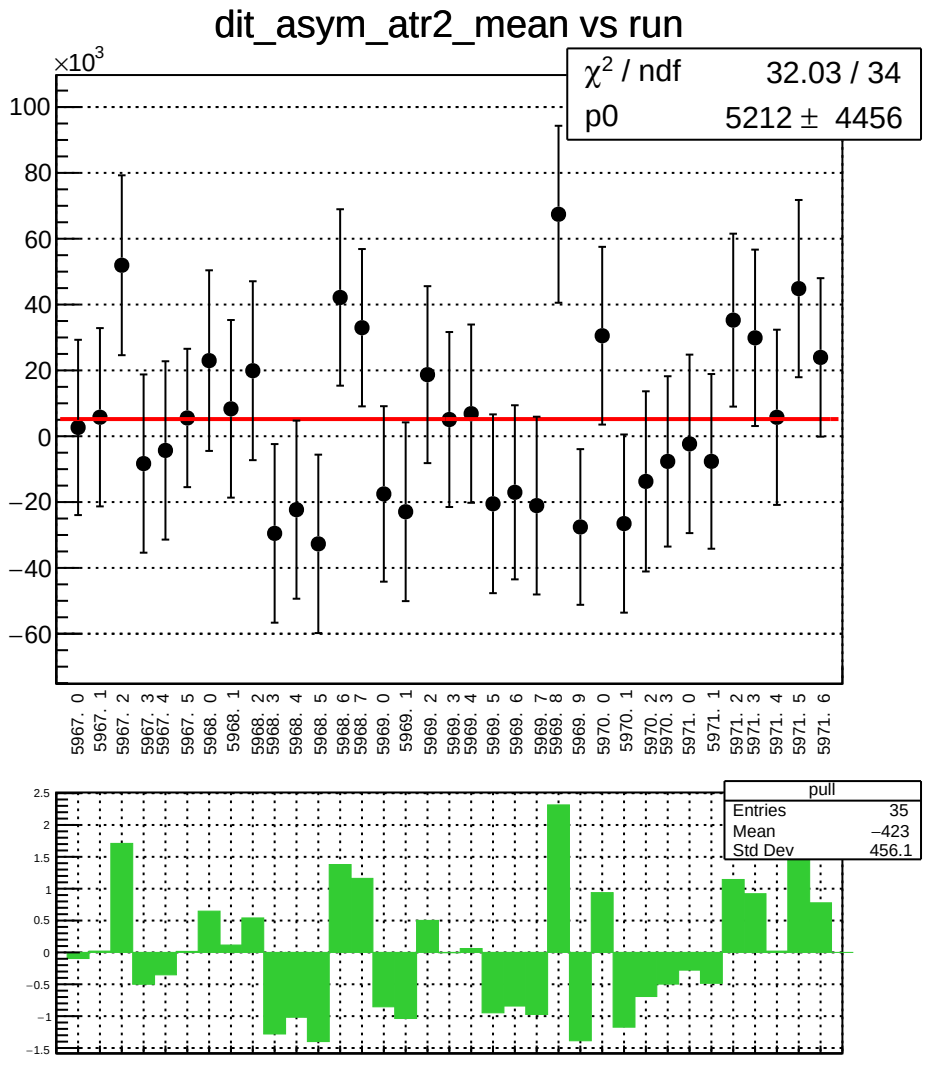

pull1D
Entries 35
Mean 0.005303
Std Dev 1.172
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

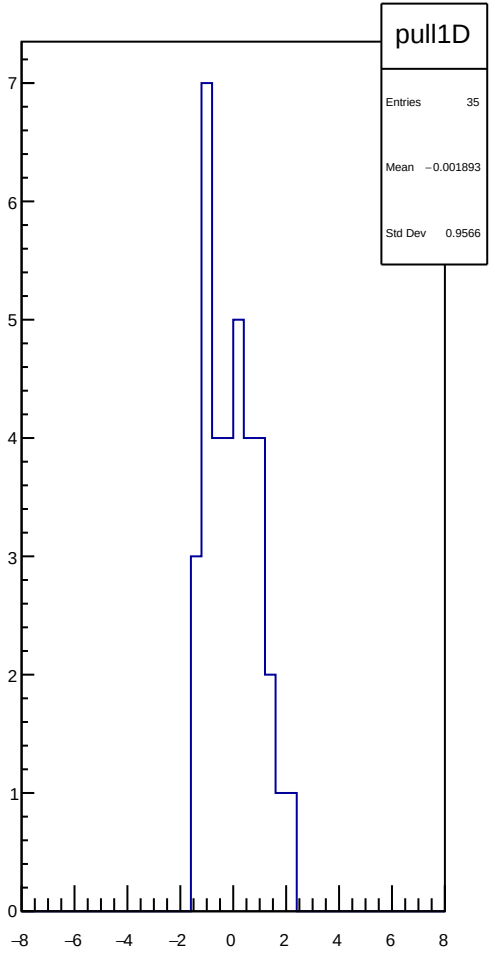

asym_atr1_correction_rms vs run
χ² / ndf 351.7 / 34
p0 604.4 ± 0.7449
640
630
620
610
600
590
580
570
560
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

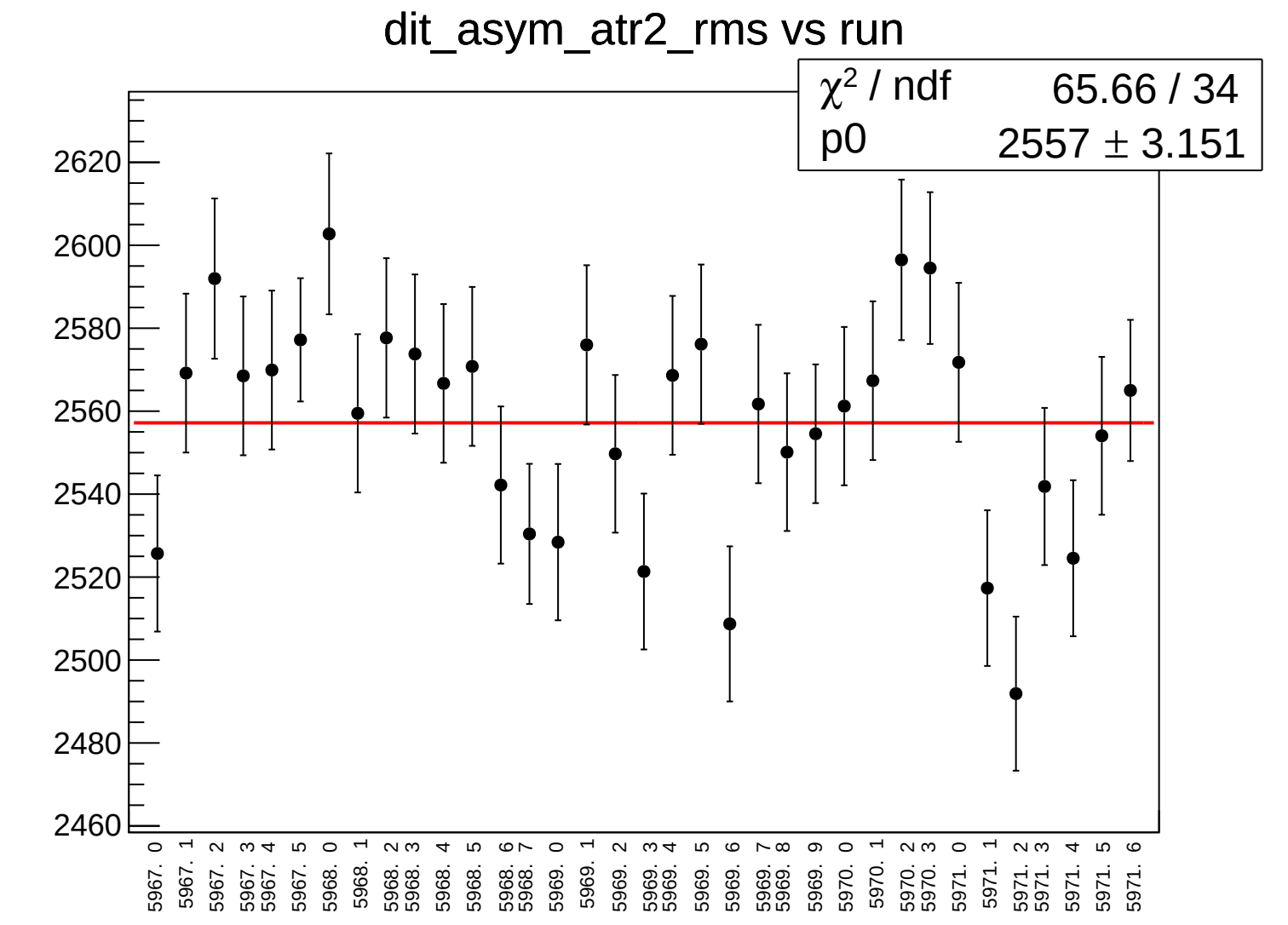

asym_atr1_mean vs run
×10^3
χ² / ndf 31.79 / 34
p0 6905 ± 4895
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1212
Std Dev 1188
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

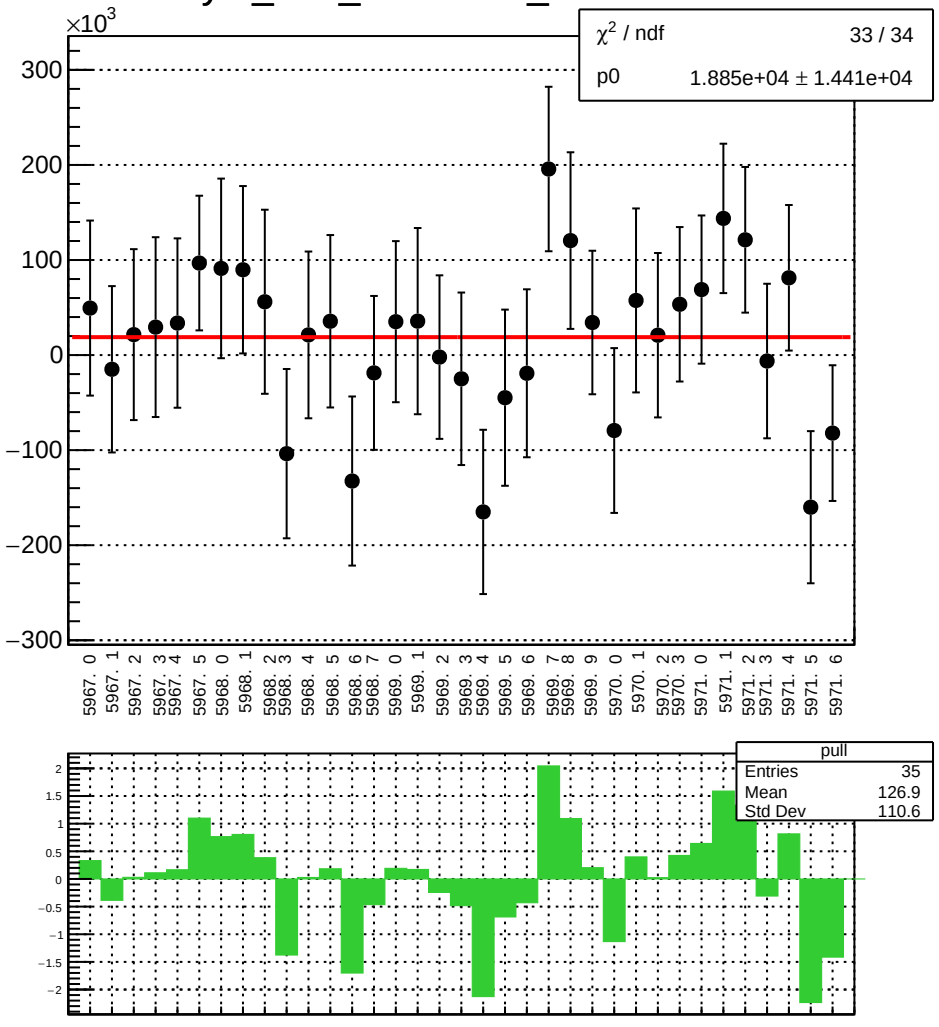

pull1D
Entries 35
Mean 0.001206
Std Dev 0.953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

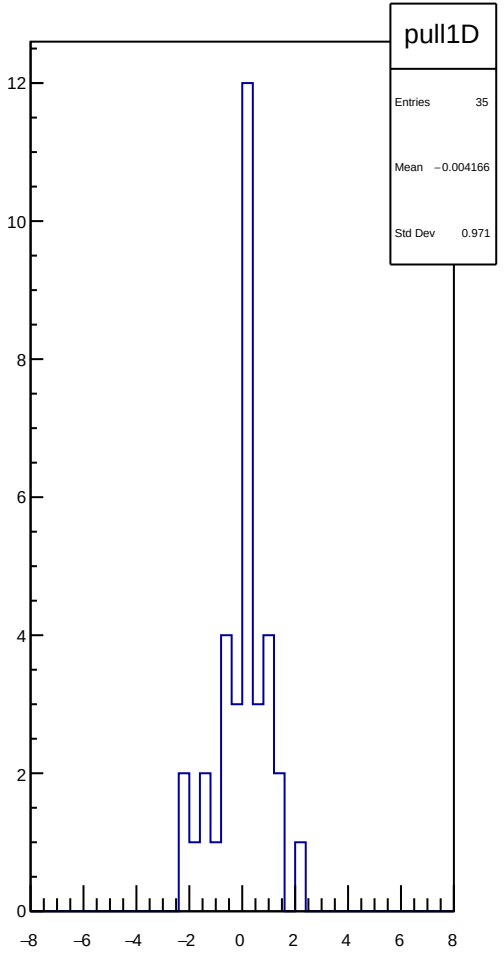

asym_atr1_rms vs run
χ² / ndf 108 / 34
p0 2809 ± 3.461
2880
2860
2840
2820
2800
2780
2760
2740
2720
2700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

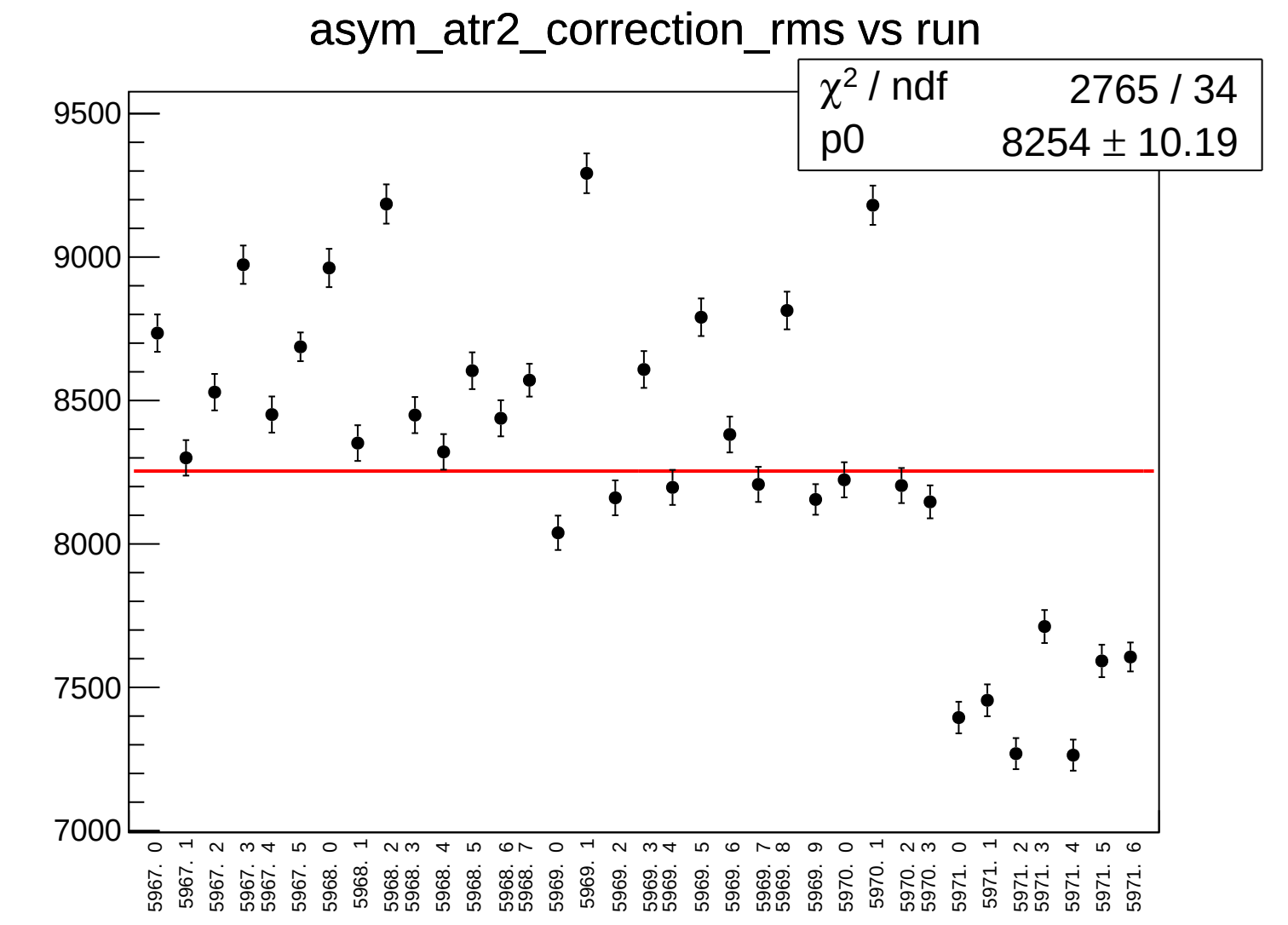

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 32.03 / 34
p0 5212 ± 4456
100
80
60
40
20
0
−20
−40
−60
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −423
Std Dev 456.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

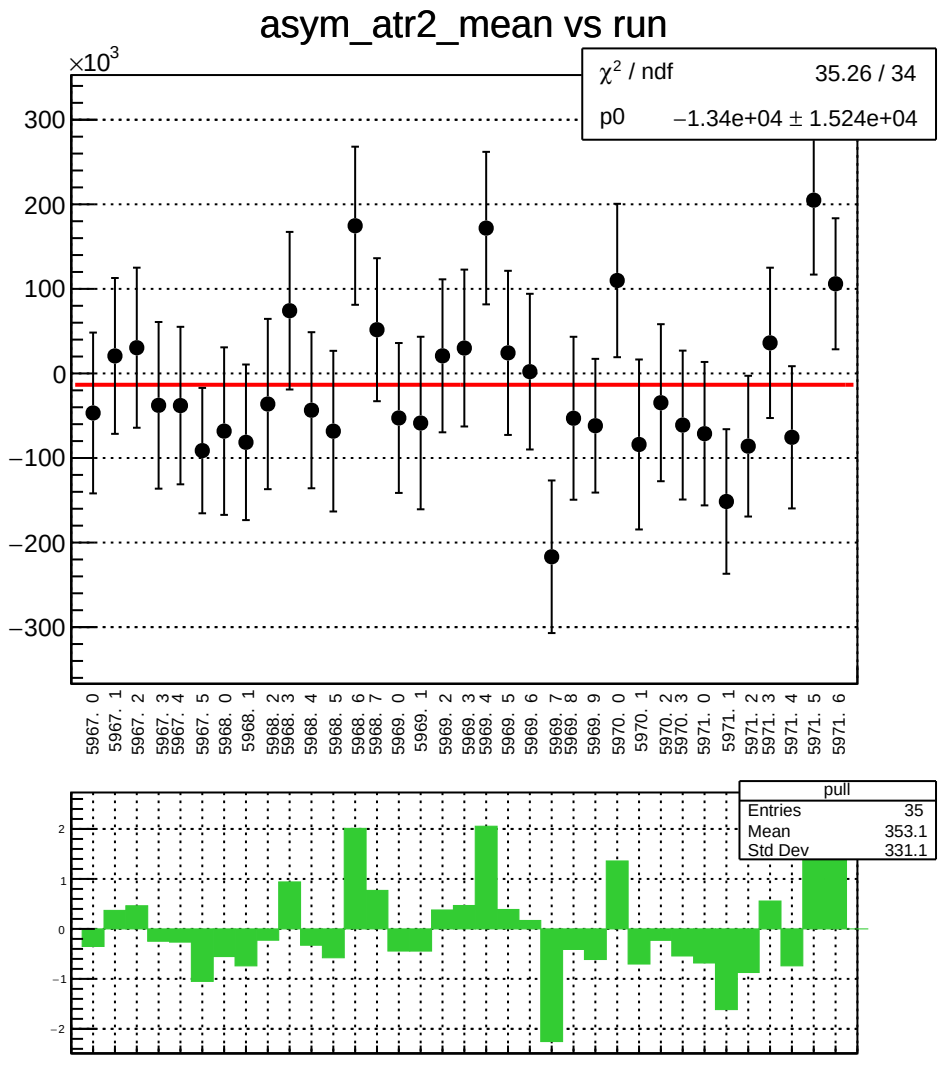

pull1D
Entries 35
Mean −0.001893
Std Dev 0.9566
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

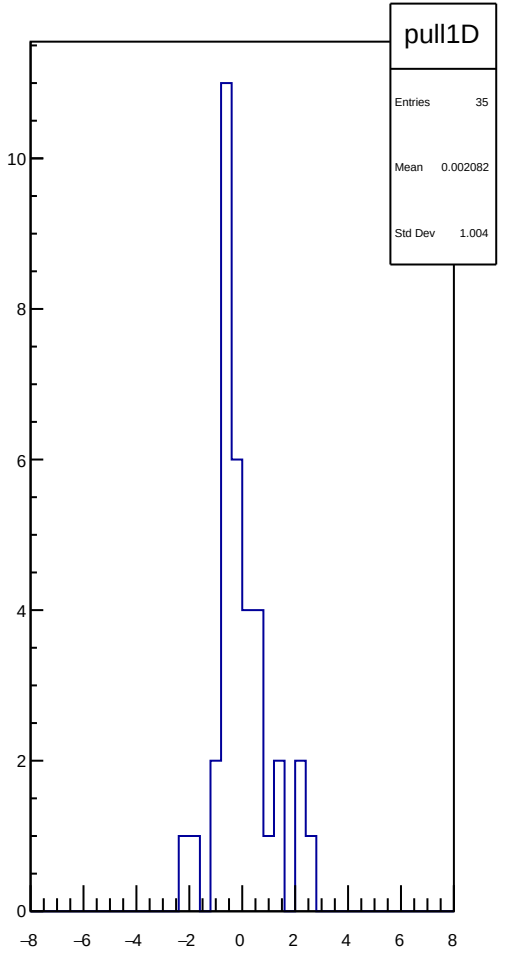

dit_asym_atr2_rms vs run
χ² / ndf 65.66 / 34
p0 2557 ± 3.151
2620
2600
2580
2560
2540
2520
2500
2480
2460
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

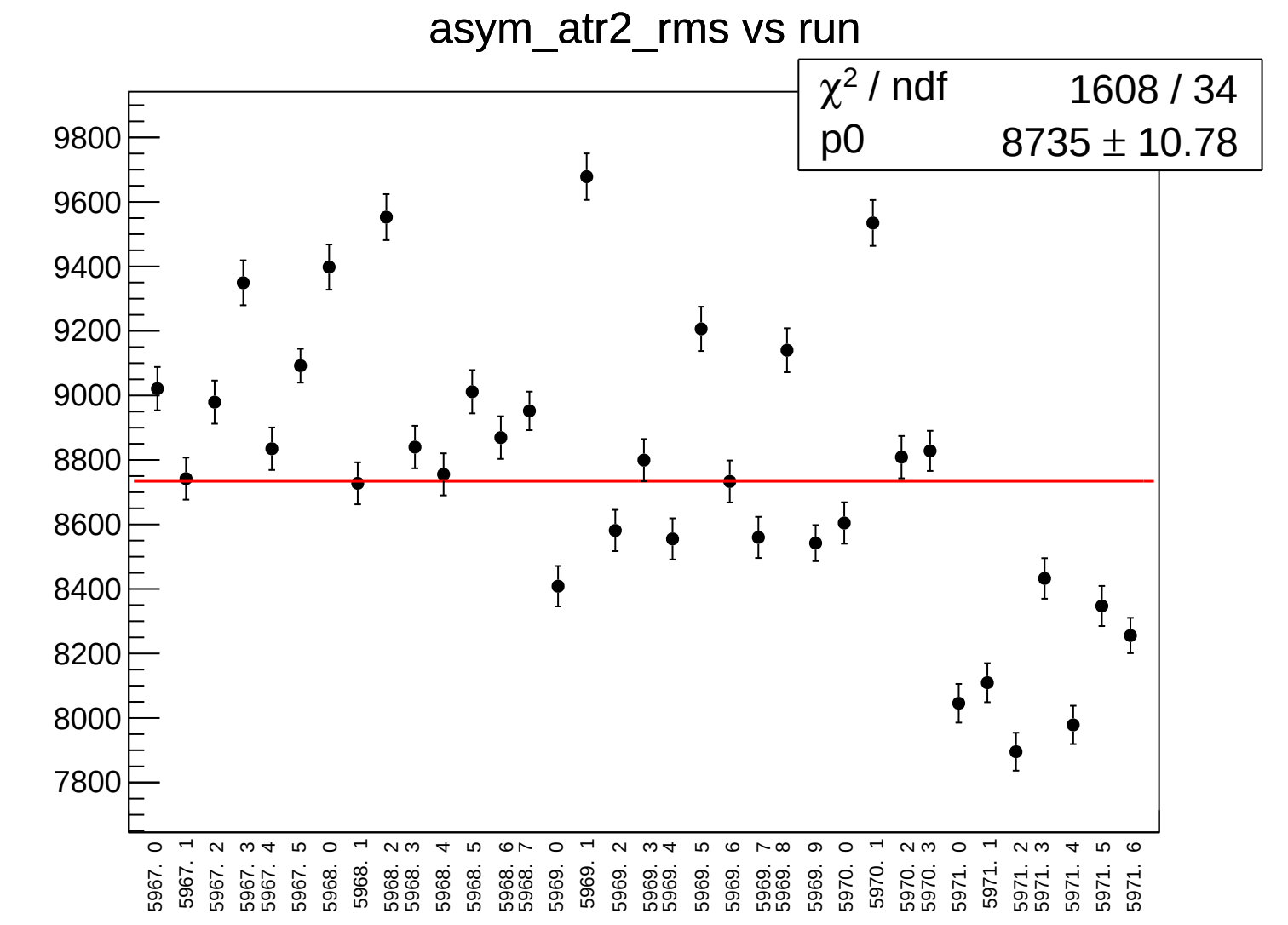

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 33 / 34
p0 1.885e+04 ± 1.441e+04
300
200
100
0
−100
−200
−300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 126.9
Std Dev 110.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

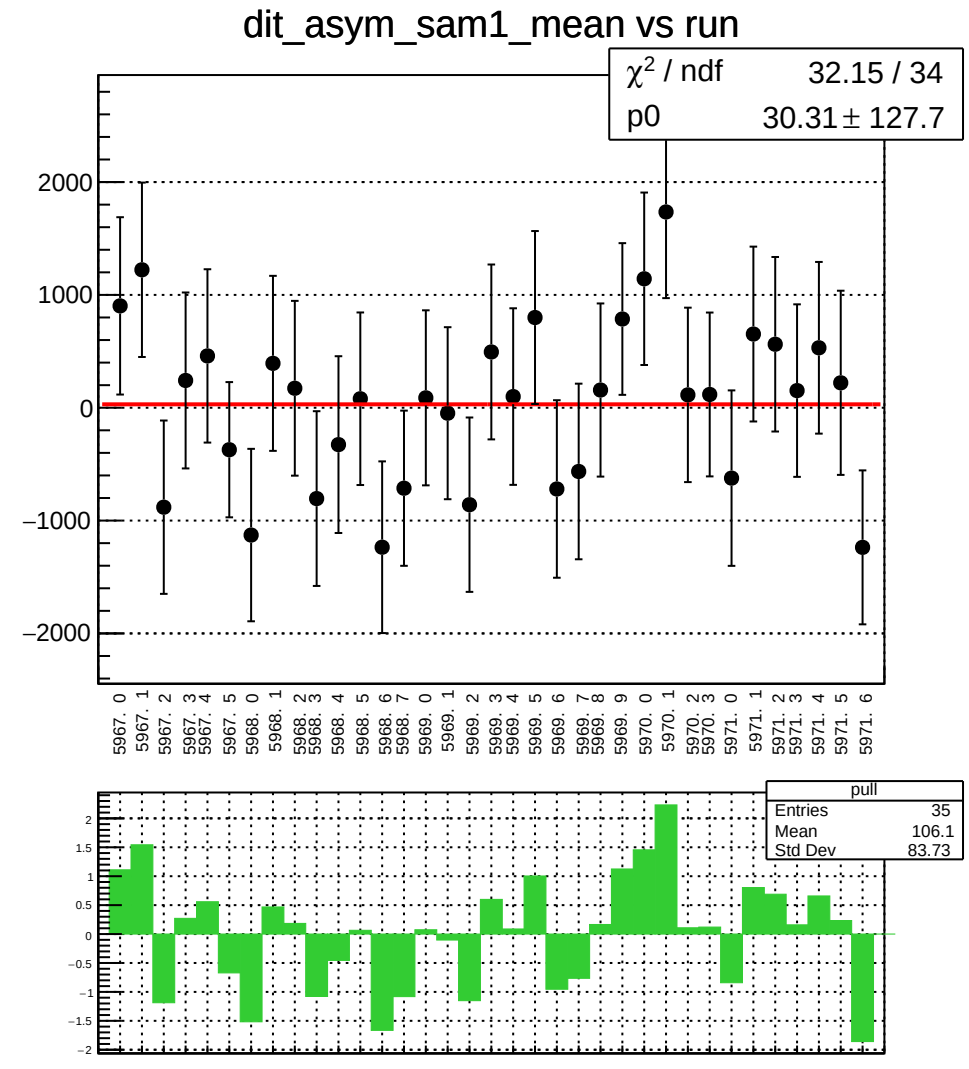

pull1D
Entries 35
Mean −0.004166
Std Dev 0.971
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

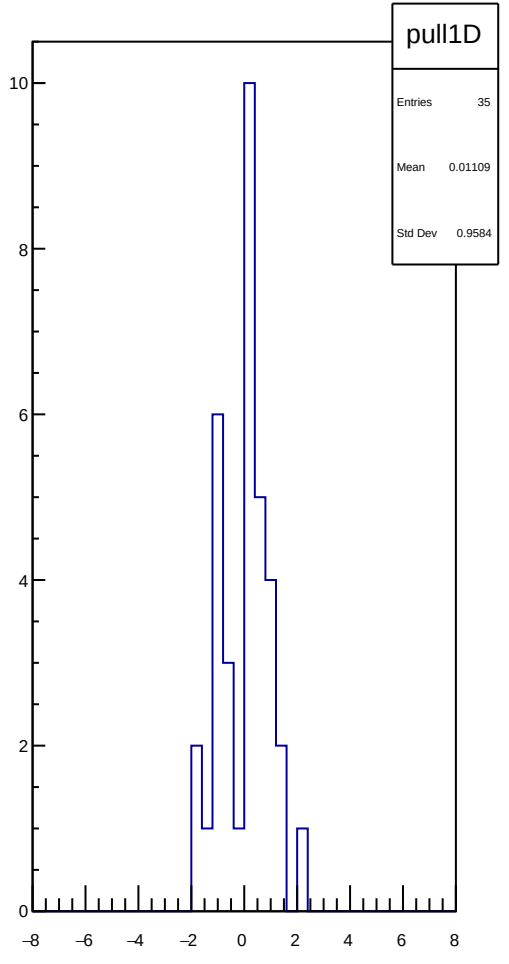

asym_atr2_correction_rms vs run
χ² / ndf 2765 / 34
p0 8254 ± 10.19
9500
9000
8500
8000
7500
7000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

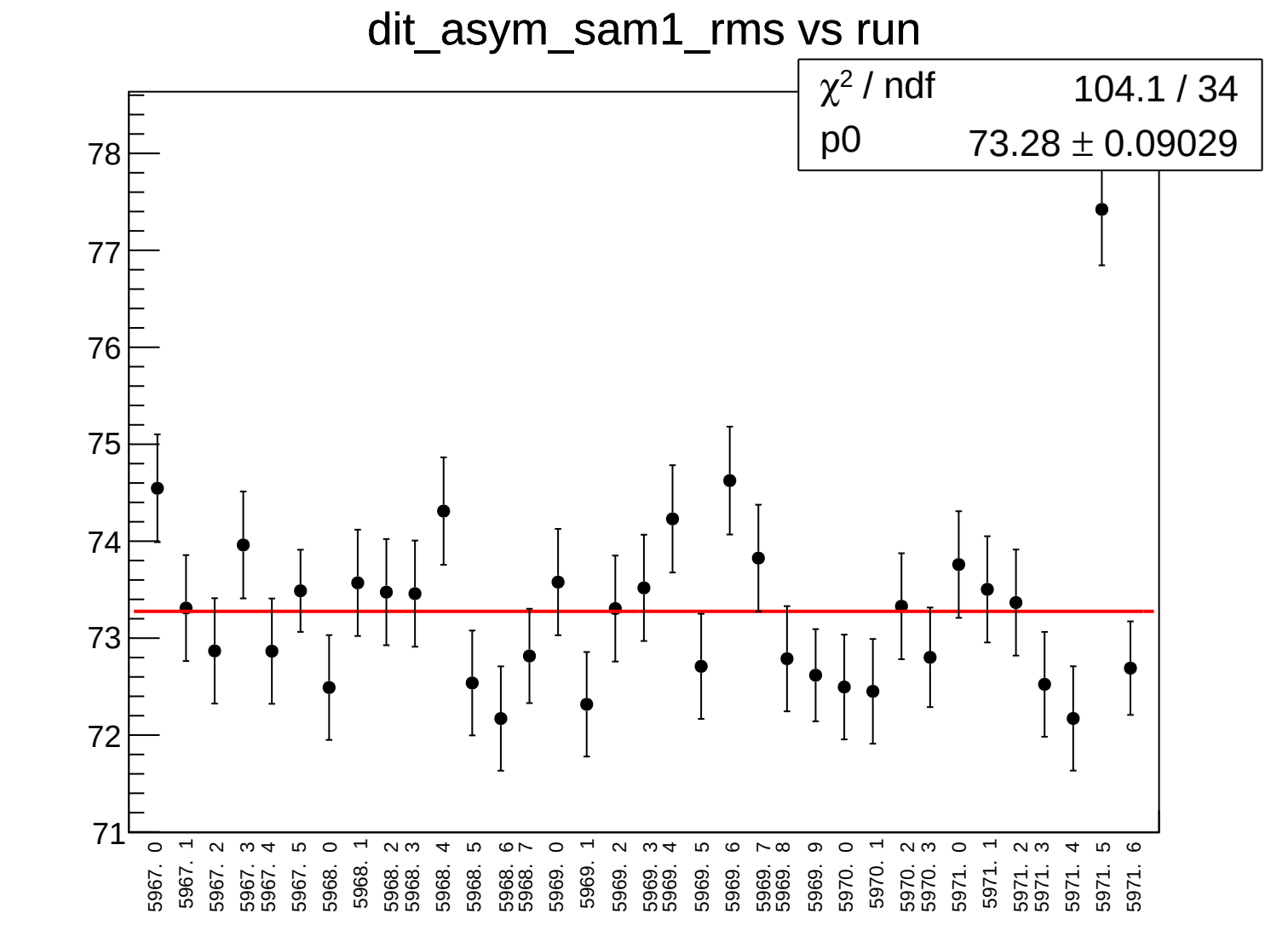

asym_atr2_mean vs run
×10^3
χ² / ndf 35.26 / 34
p0 −1.34e+04 ± 1.524e+04
300
200
100
0
−100
−200
−300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 353.1
Std Dev 331.1
2
1
0
−1
−2

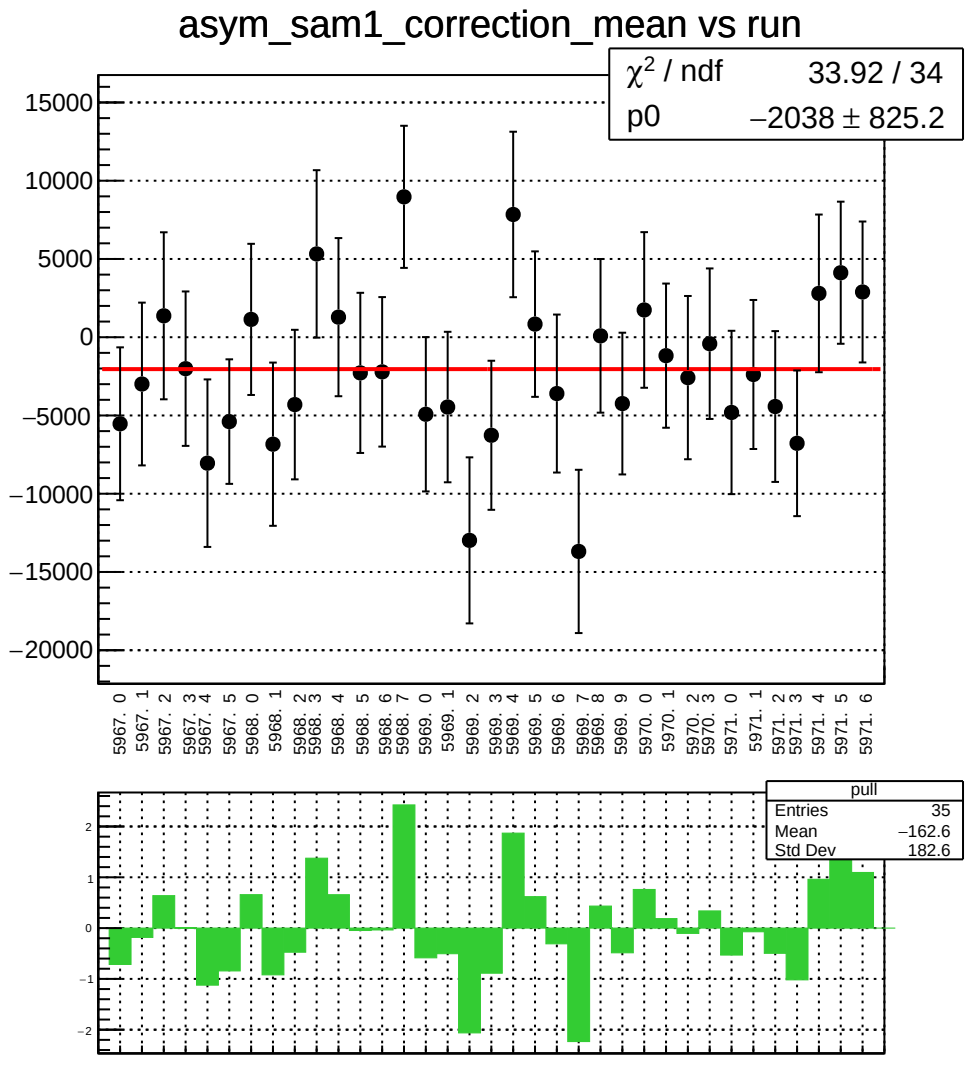

pull1D
Entries 35
Mean 0.002082
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

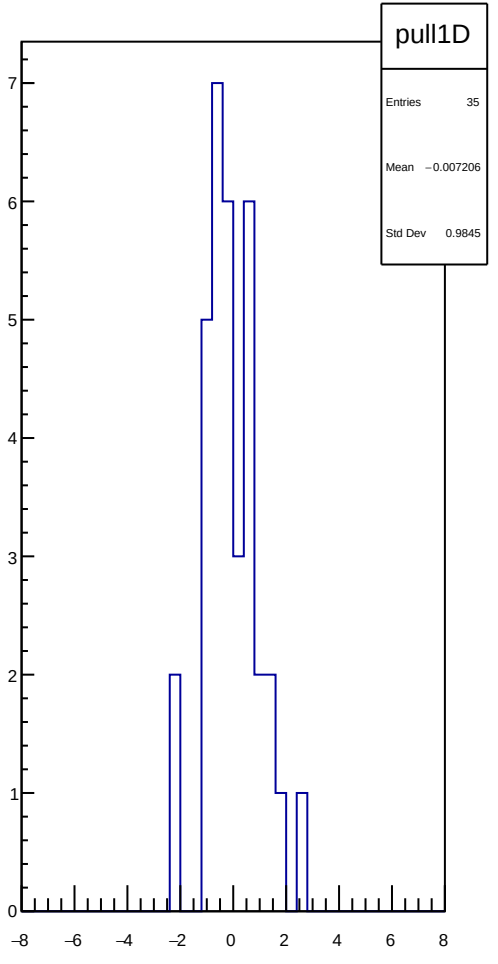

asym_atr2_rms vs run
χ² / ndf 1608 / 34
p0 8735 ± 10.78
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

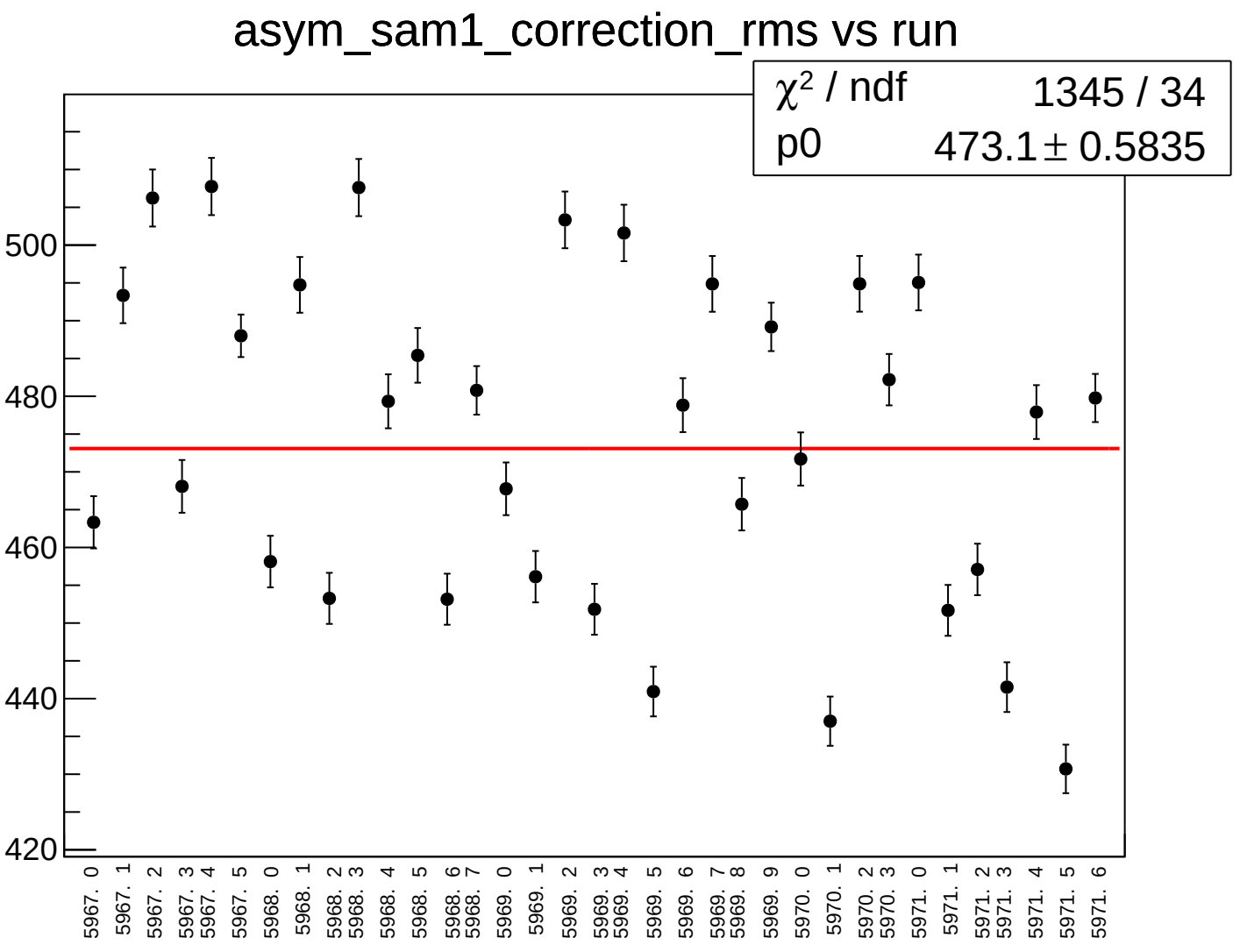

dit_asym_sam1_mean vs run
χ² / ndf 32.15 / 34
p0 30.31 ± 127.7
2000
1000
0
−1000
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 106.1
Std Dev 83.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

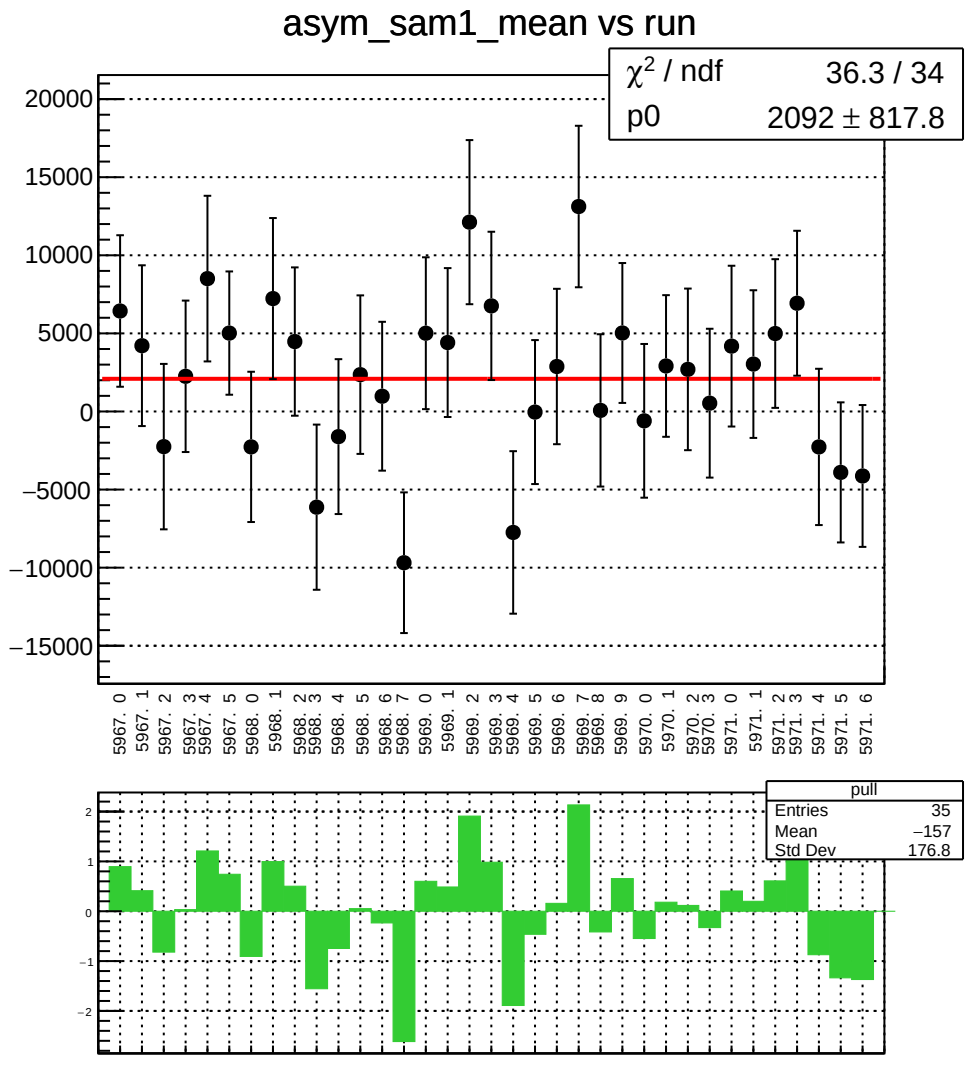

pull1D
Entries 35
Mean 0.01109
Std Dev 0.9584
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

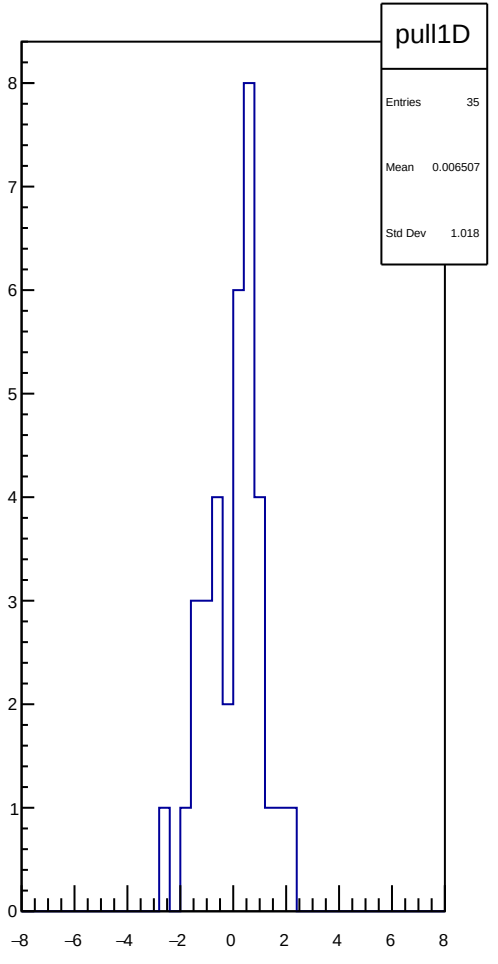

dit_asym_sam1_rms vs run
χ² / ndf 104.1 / 34
p0 73.28 ± 0.09029
78
77
76
75
74
73
72
71
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

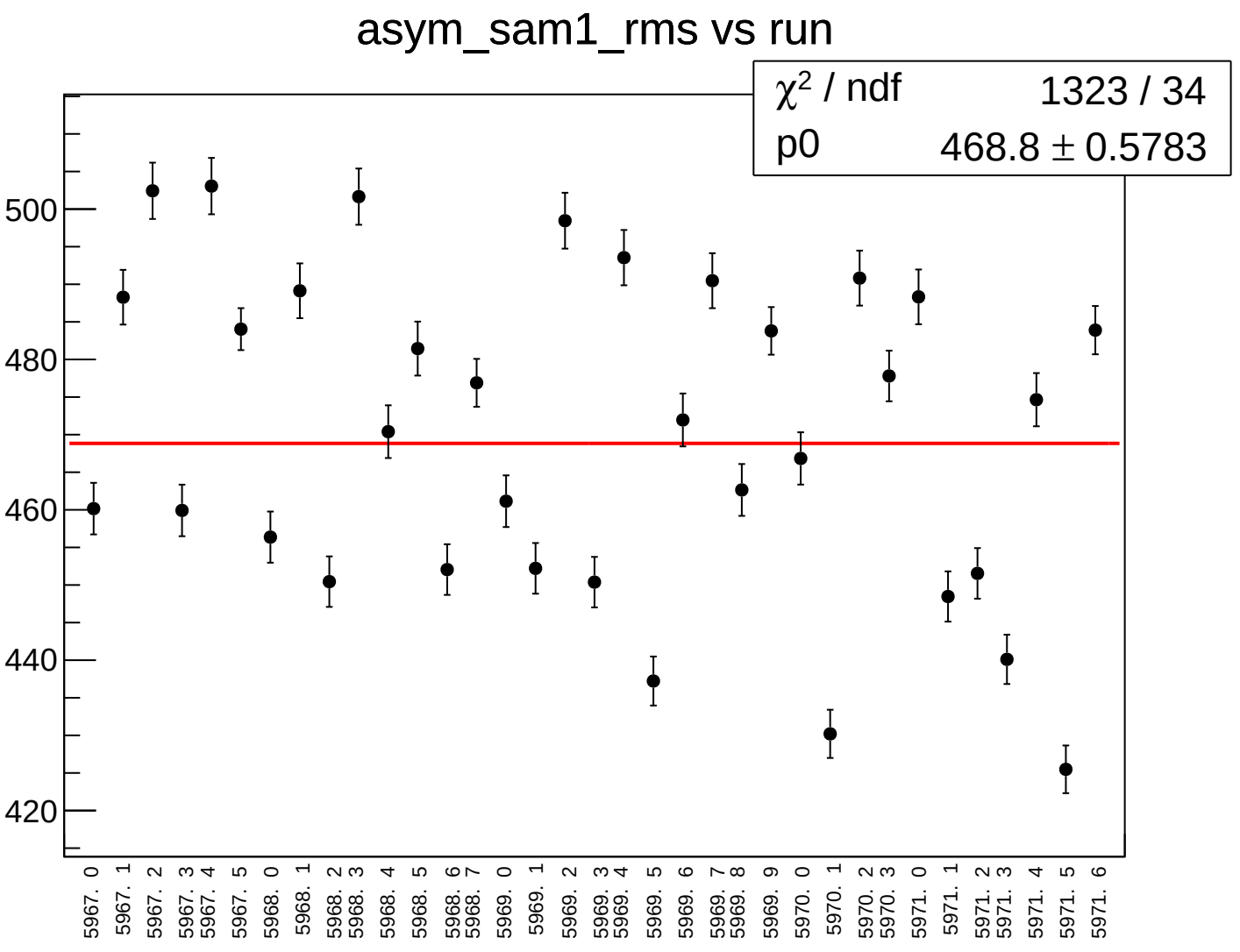

asym_sam1_correction_mean vs run
χ² / ndf 33.92 / 34
p0 −2038 ± 825.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −162.6
Std Dev 182.6
2
1
0
−1
−2

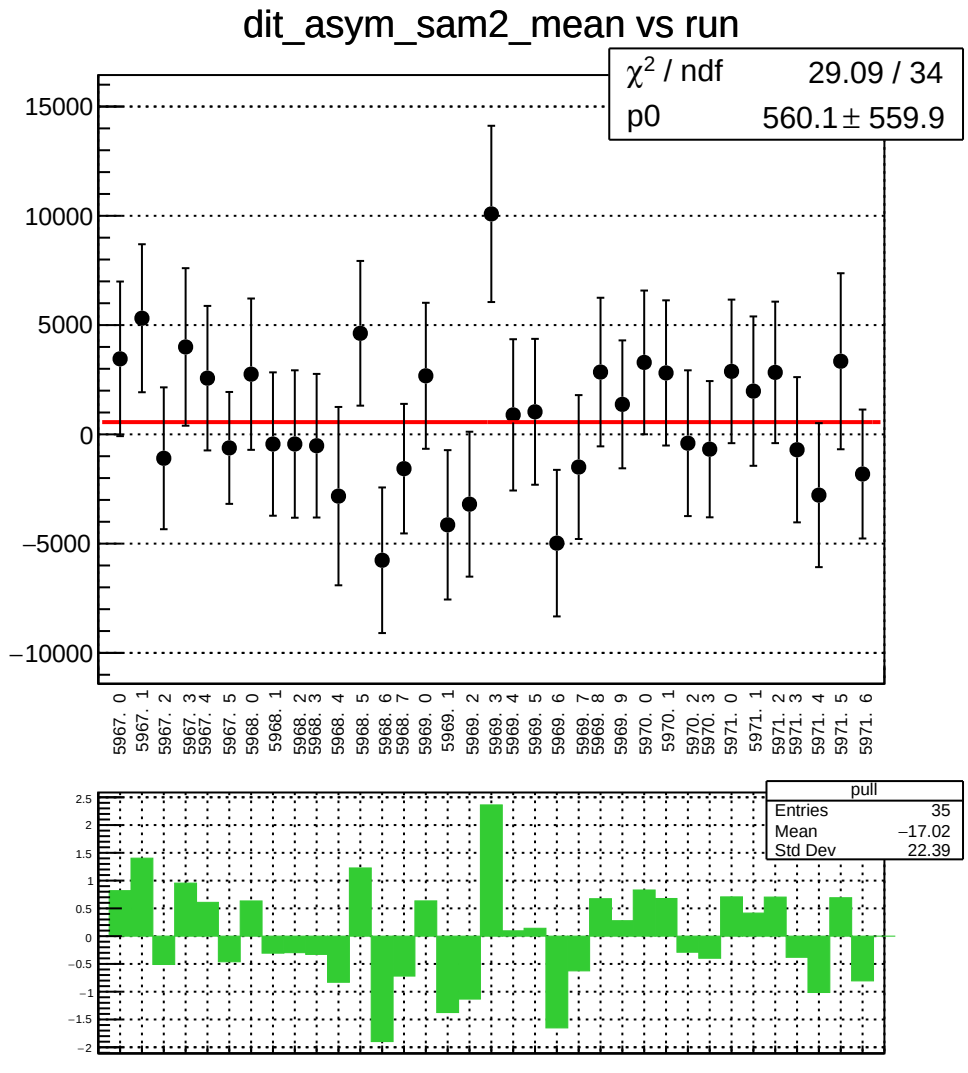

pull1D
Entries 35
Mean −0.007206
Std Dev 0.9845
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

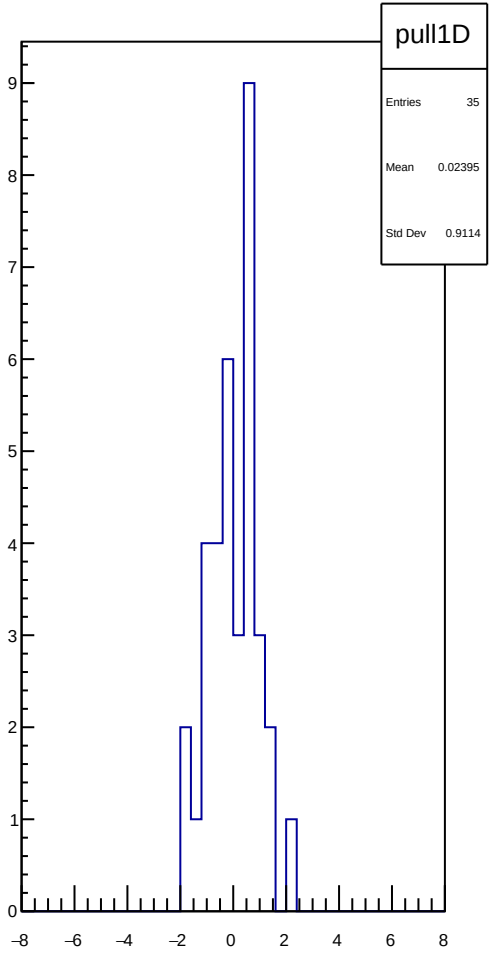

asym_sam1_correction_rms vs run
χ² / ndf 1345 / 34
p0 473.1 ± 0.5835
500
480
460
440
420
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

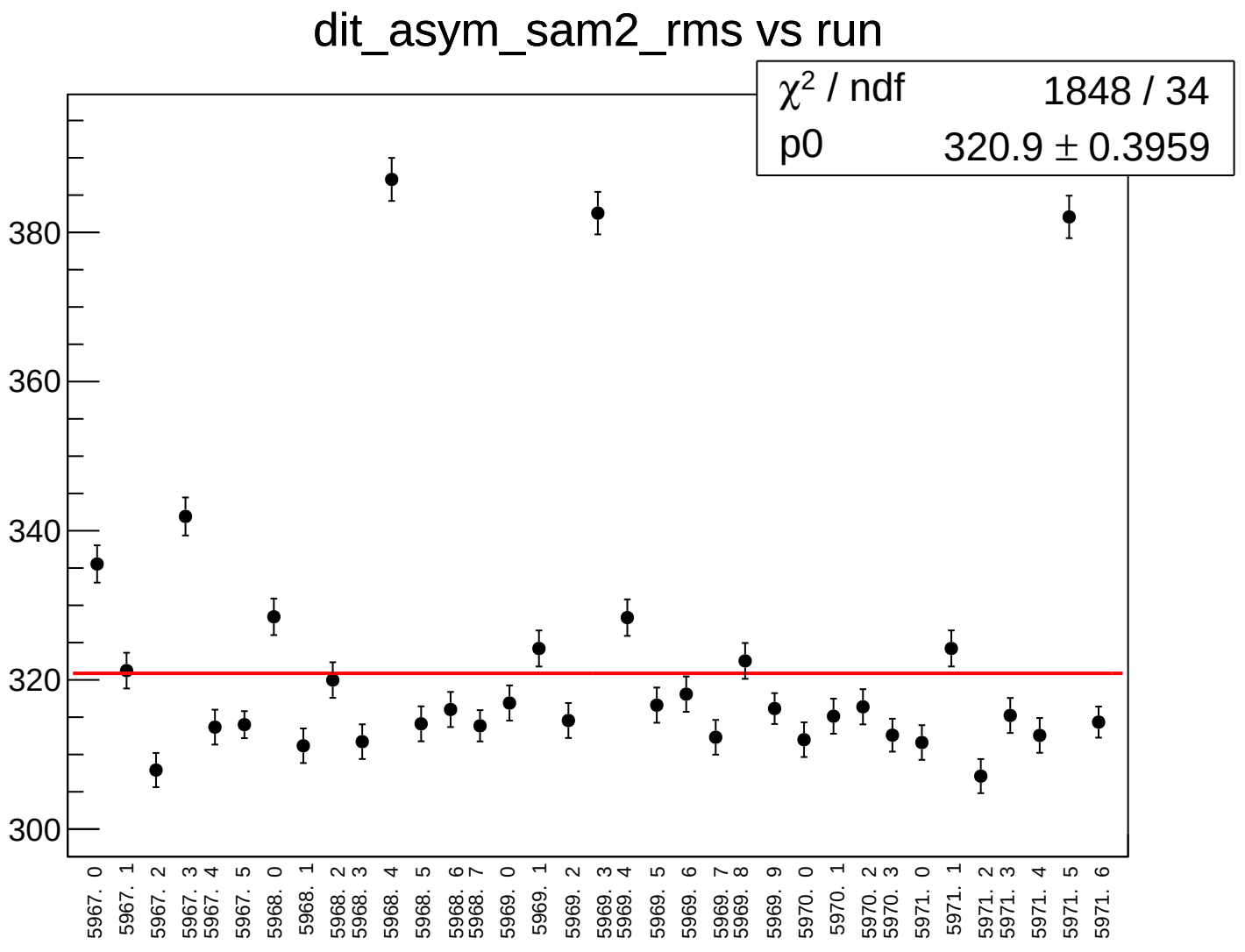

asym_sam1_mean vs run
χ² / ndf 36.3 / 34
p0 2092 ± 817.8
20000
15000
10000
5000
0
−5000
−10000
−15000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −157
Std Dev 176.8
2
1
0
−1
−2

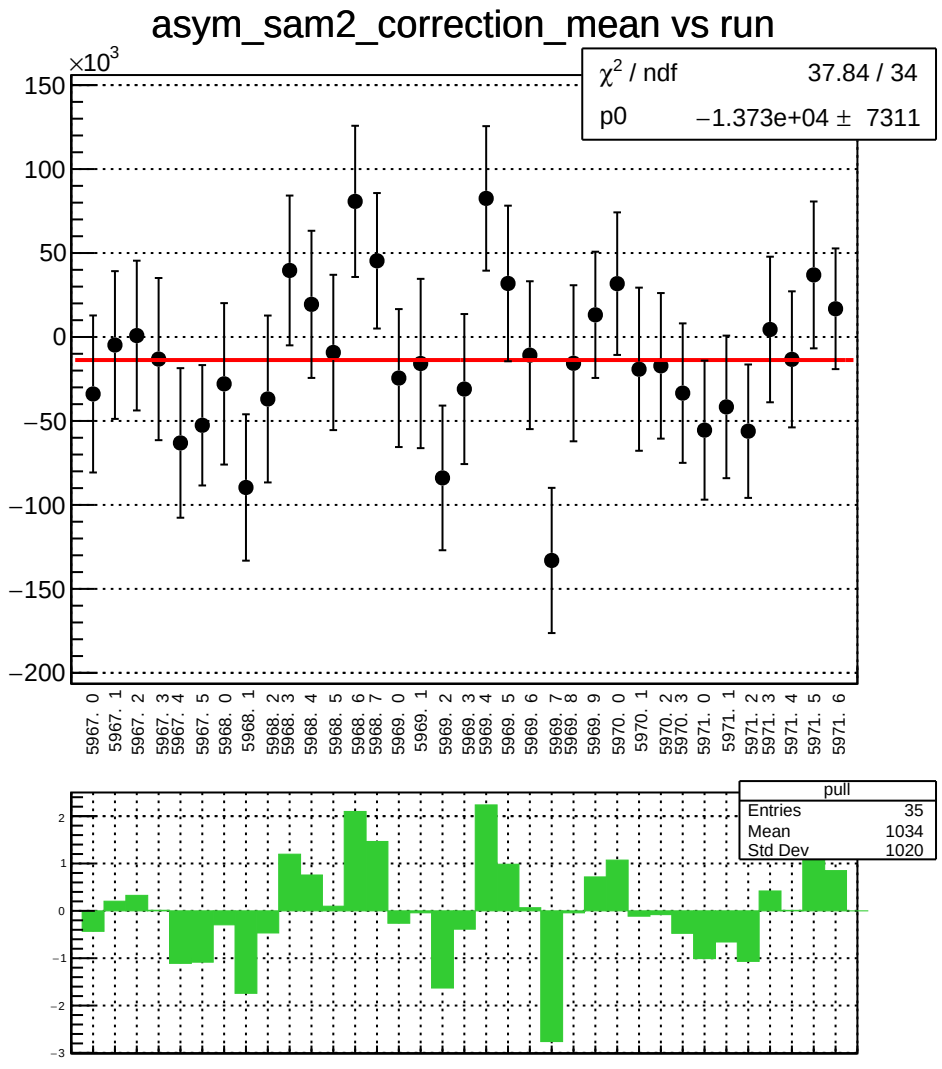

pull1D
Entries 35
Mean 0.006507
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

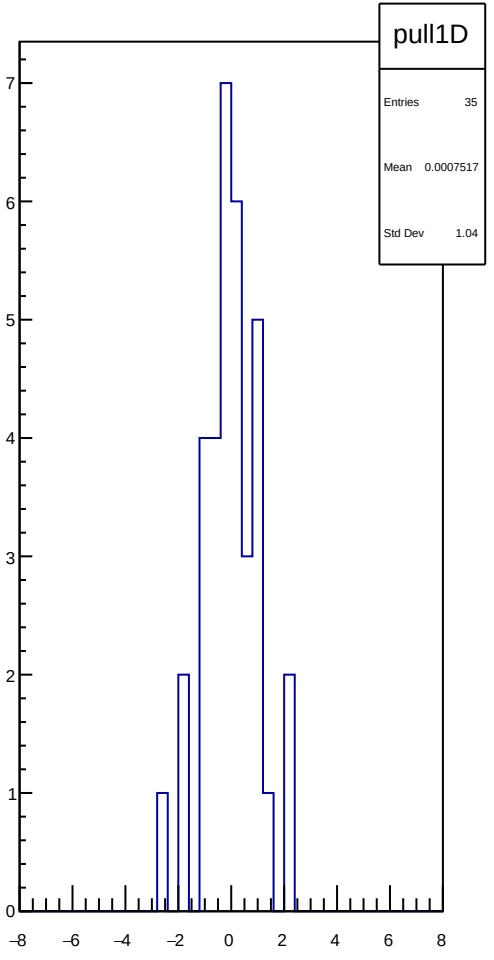

asym_sam1_rms vs run
χ² / ndf 1323 / 34
p0 468.8 ± 0.5783
500
480
460
440
420
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

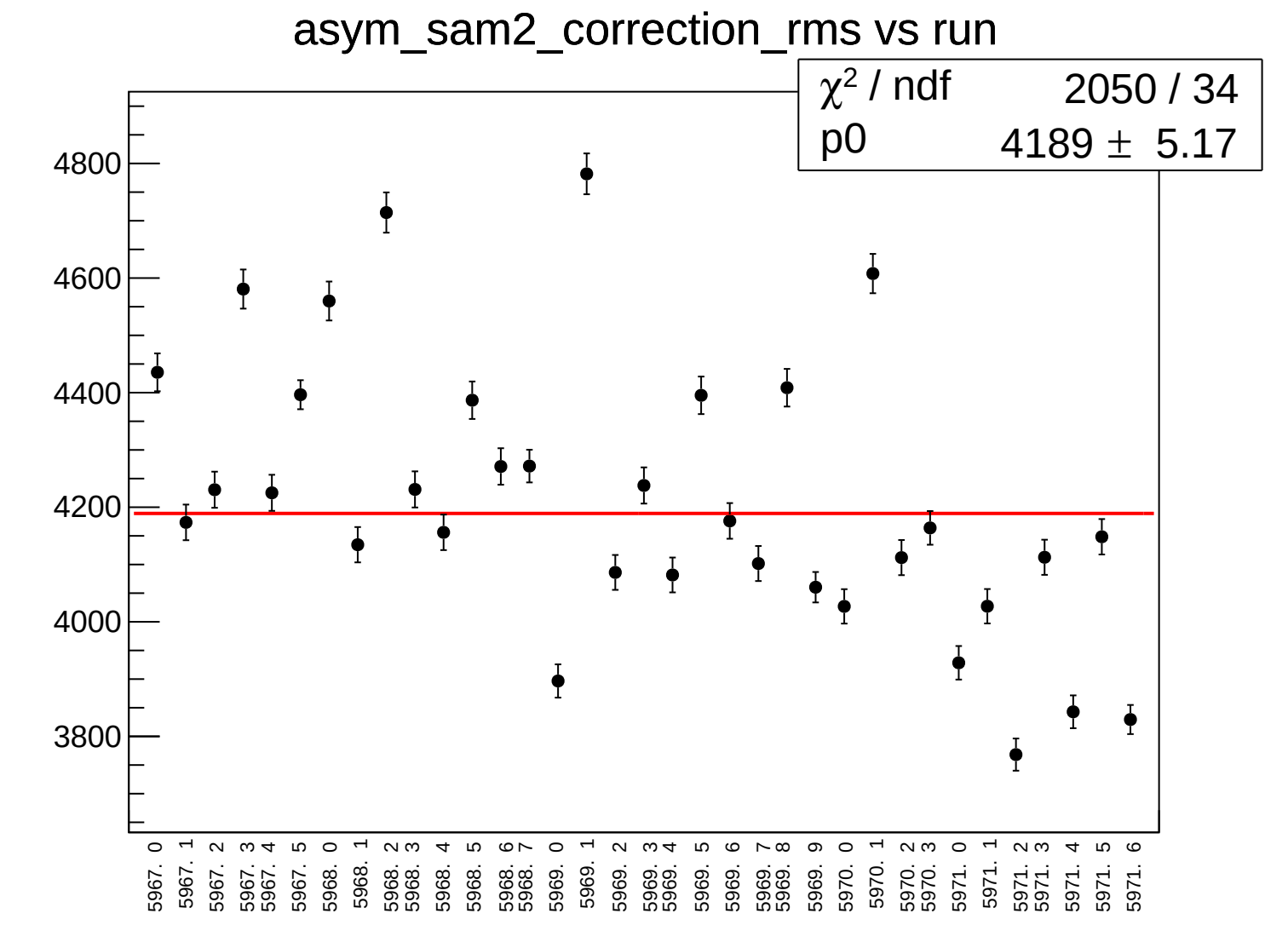

dit_asym_sam2_mean vs run
χ² / ndf 29.09 / 34
p0 560.1 ± 559.9
15000
10000
5000
0
−5000
−10000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −17.02
Std Dev 22.39
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

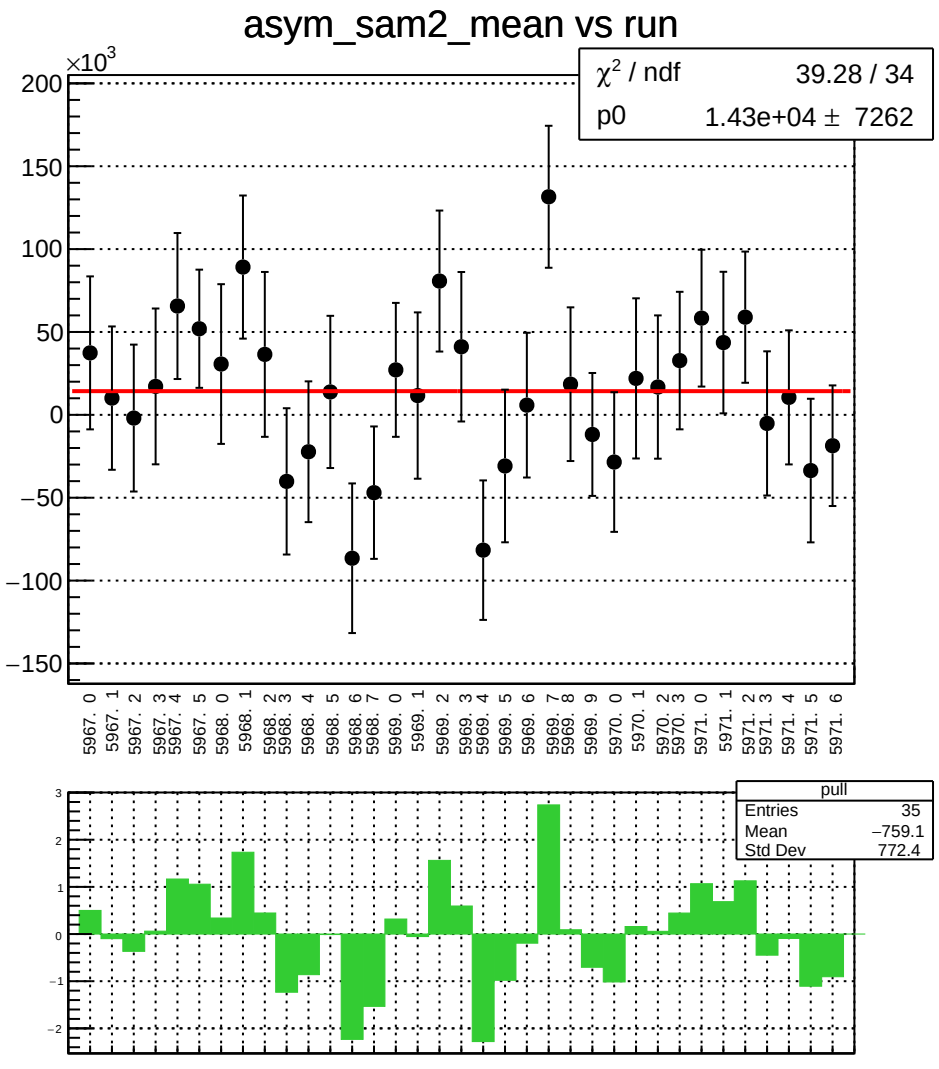

pull1D
Entries 35
Mean 0.02395
Std Dev 0.9114
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

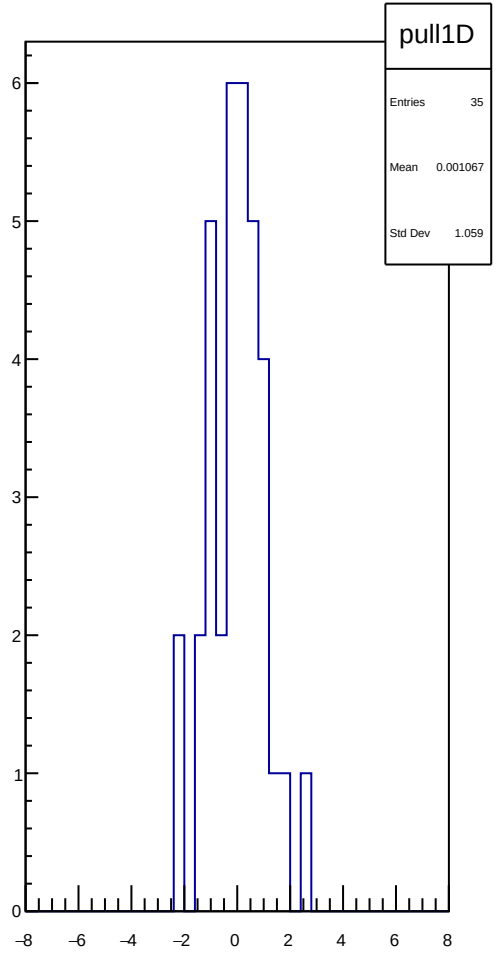

dit_asym_sam2_rms vs run
χ² / ndf 1848 / 34
p0 320.9 ± 0.3959
380
360
340
320
300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

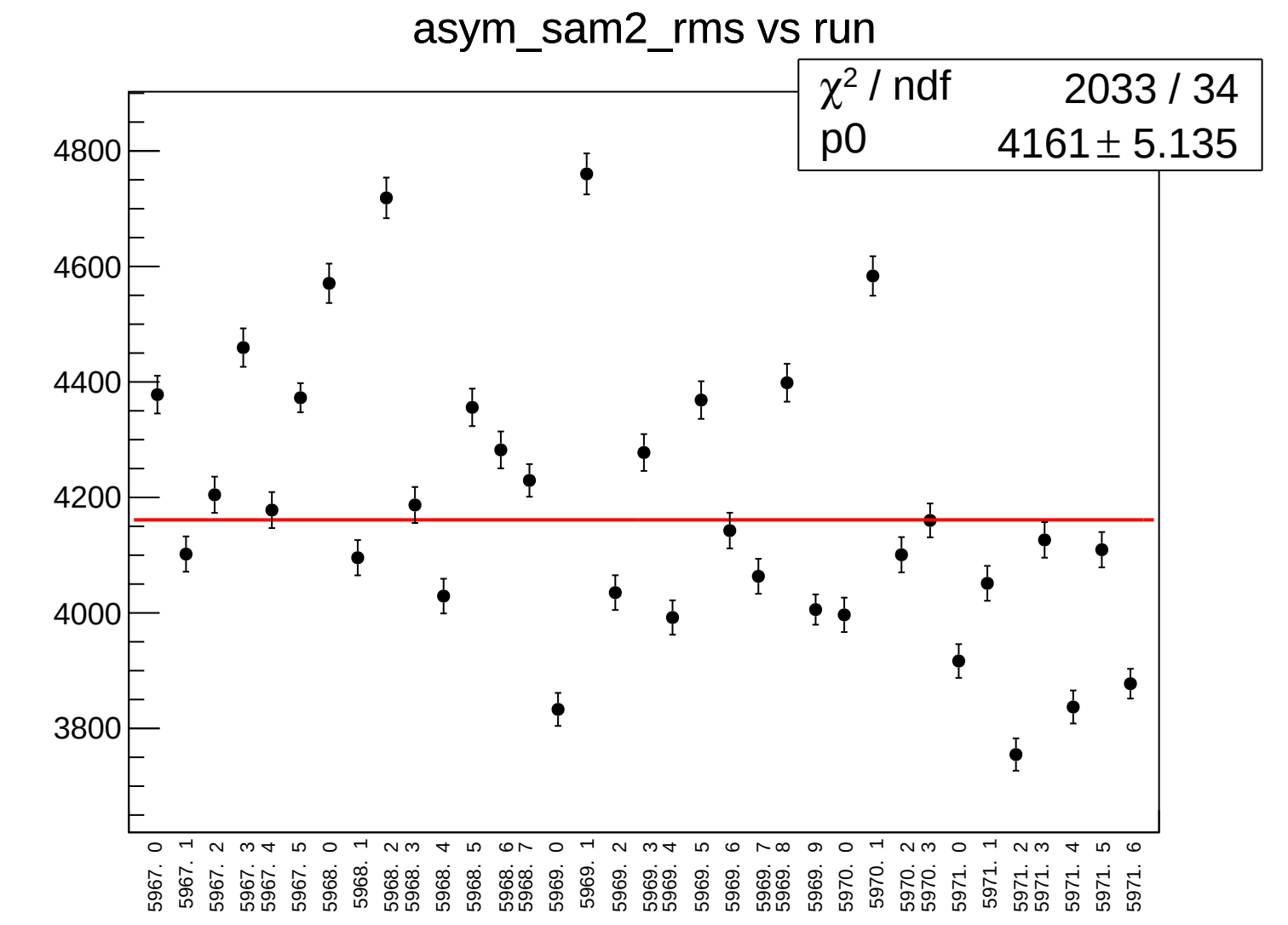

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 37.84 / 34
p0 −1.373e+04 ± 7311
150
100
50
0
−50
−100
−150
−200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1034
Std Dev 1020
2
1
0
−1
−2
−3

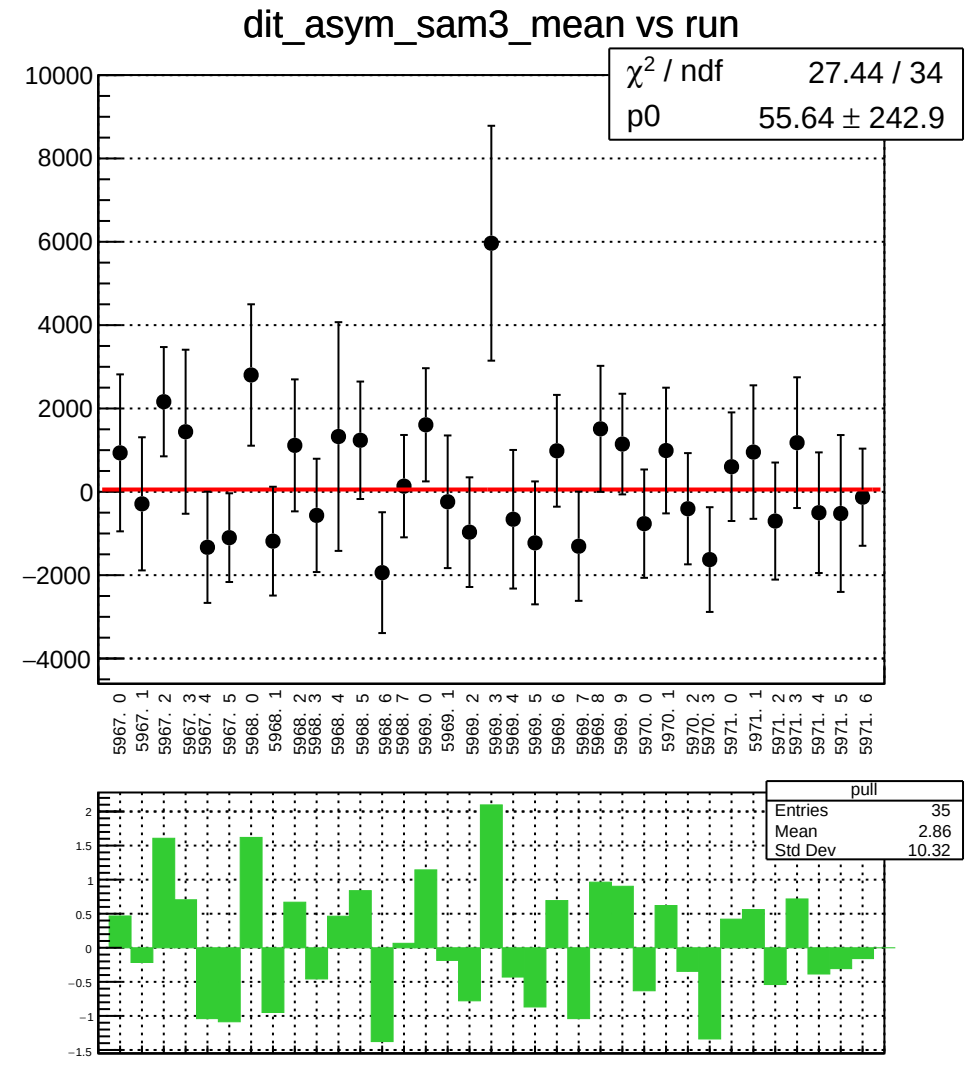

pull1D
Entries 35
Mean 0.0007517
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

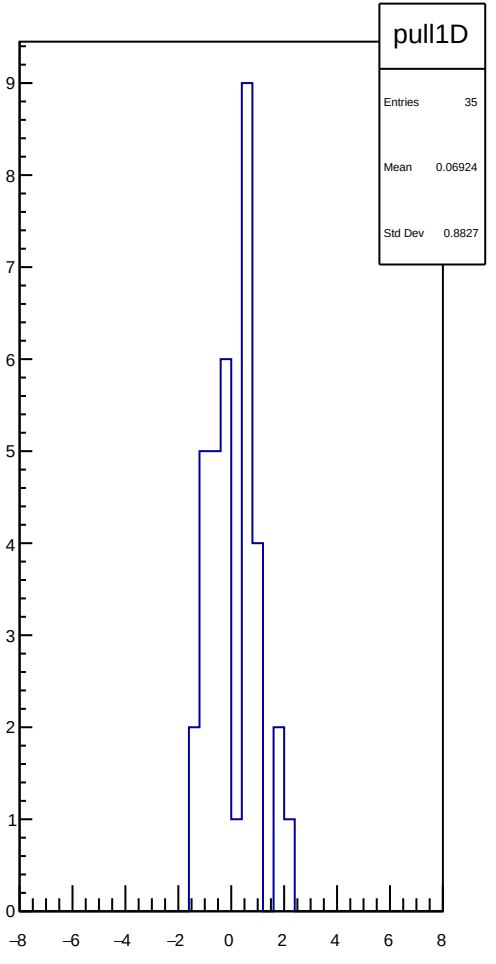

asym_sam2_correction_rms vs run
χ² / ndf 2050 / 34
p0 4189 ± 5.17
4800
4600
4400
4200
4000
3800
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

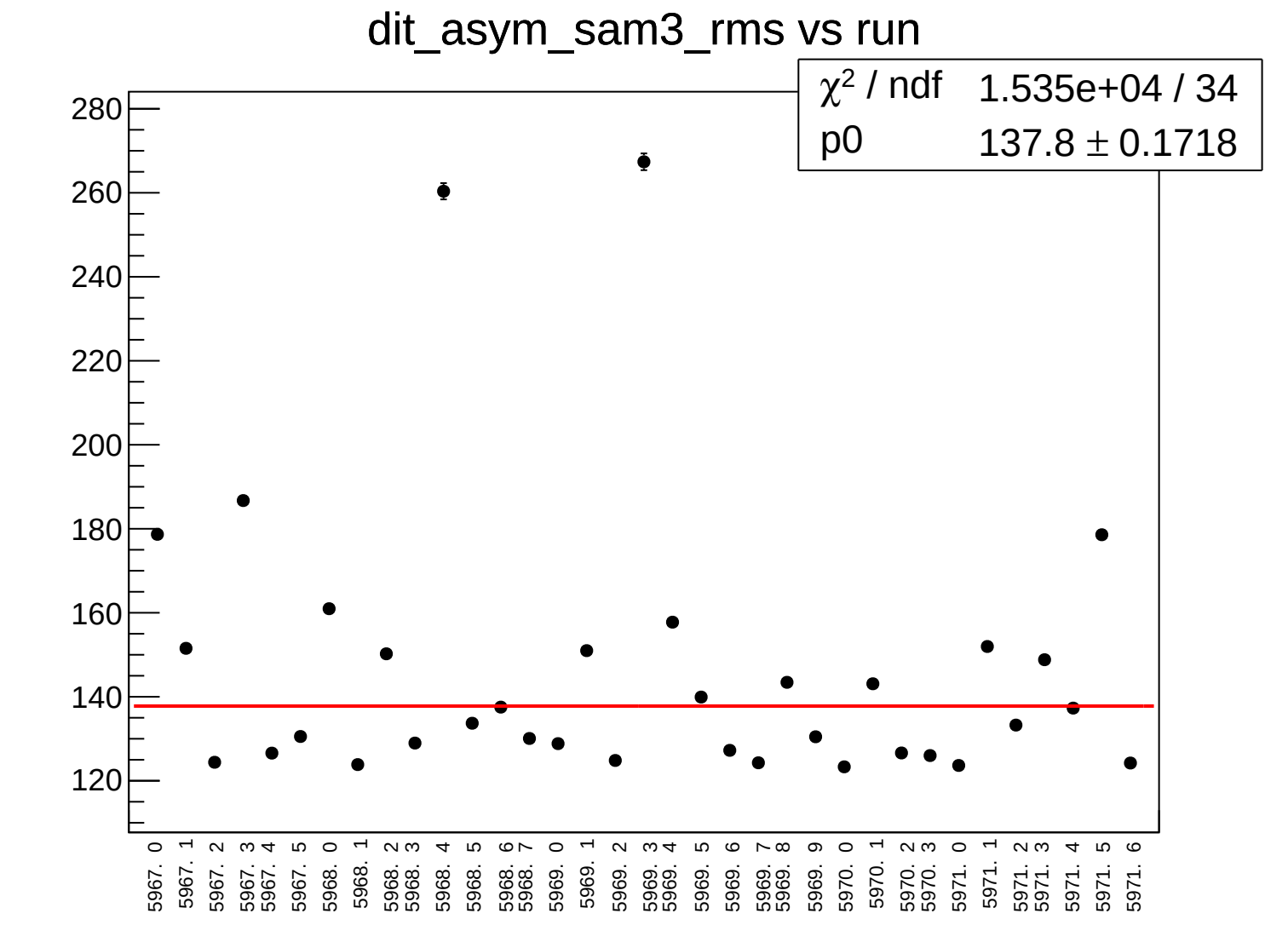

asym_sam2_mean vs run
×10^3
χ² / ndf 39.28 / 34
p0 1.43e+04 ± 7262
200
150
100
50
0
−50
−100
−150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −759.1
Std Dev 772.4
3
2
1
0
−1
−2

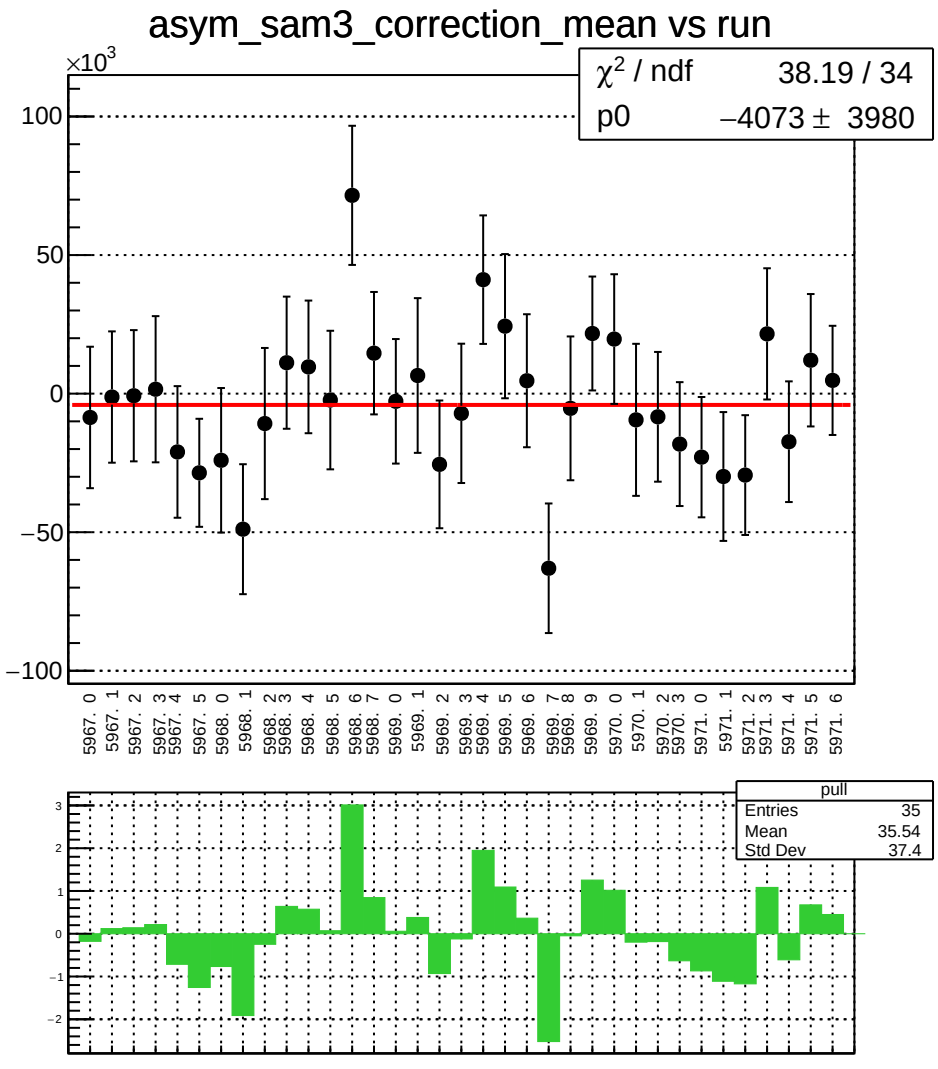

pull1D
Entries 35
Mean 0.001067
Std Dev 1.059
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

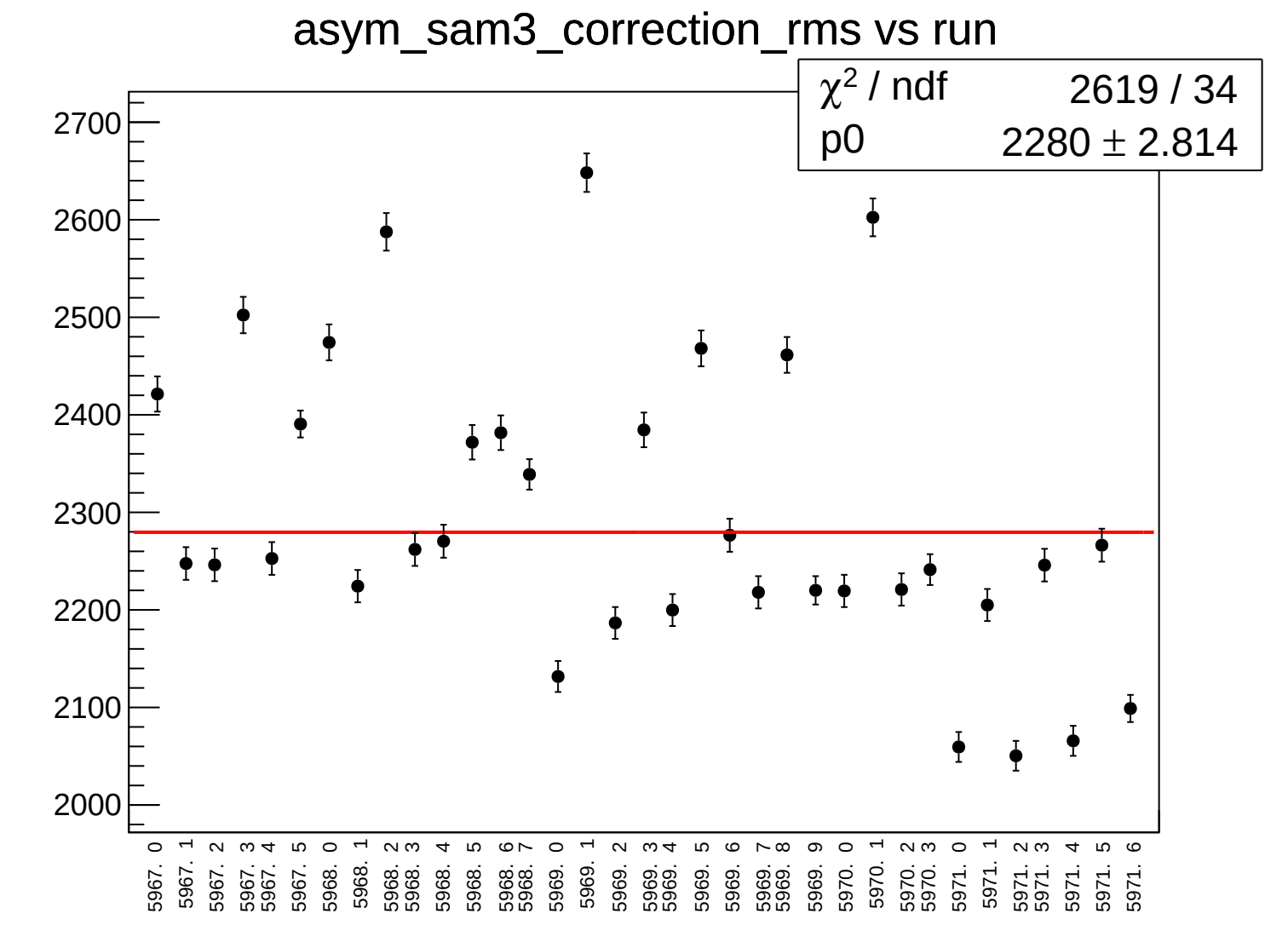

asym_sam2_rms vs run
χ² / ndf 2033 / 34
p0 4161 ± 5.135
4800
4600
4400
4200
4000
3800
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

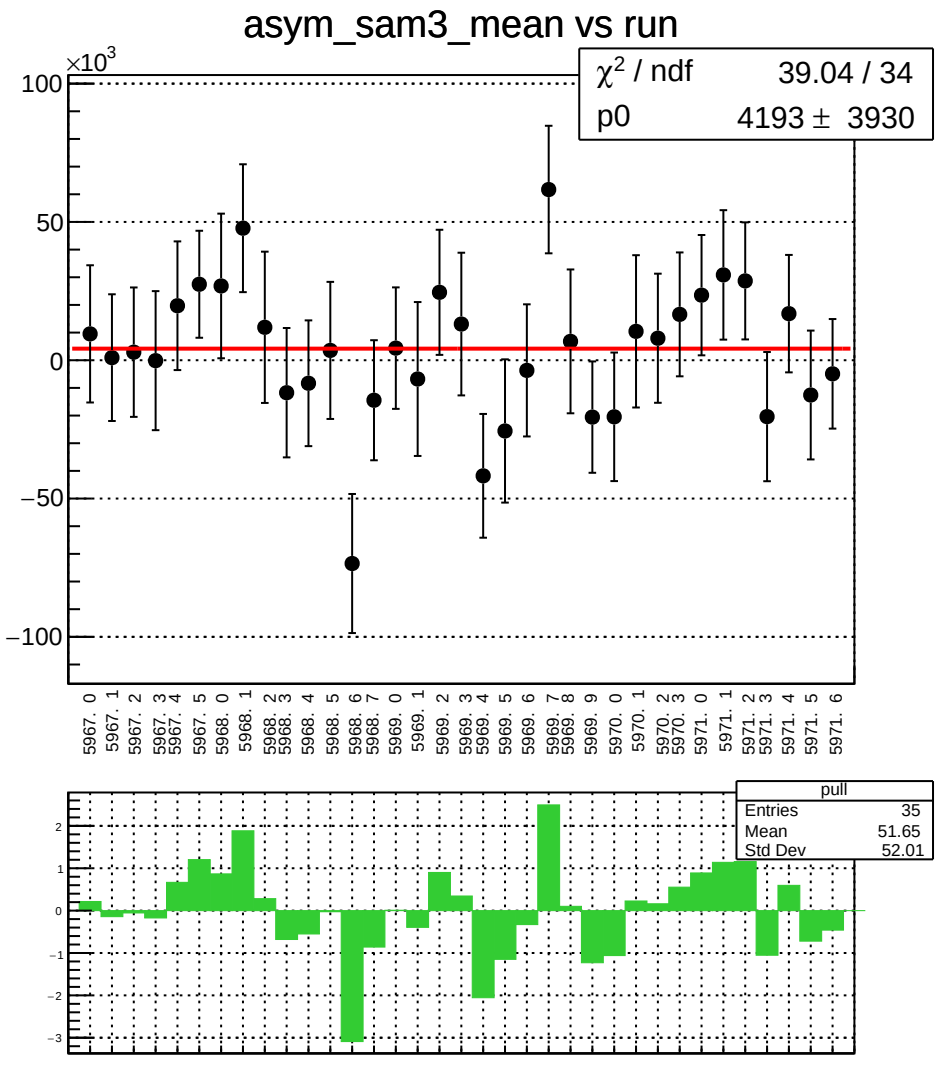

dit_asym_sam3_mean vs run
χ^2 / ndf 27.44 / 34
p0 55.64 ± 242.9
10000
8000
6000
4000
2000
0
−2000
−4000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 2.86
Std Dev 10.32
2
1.5
1
0.5
0
−0.5
−1
−1.5

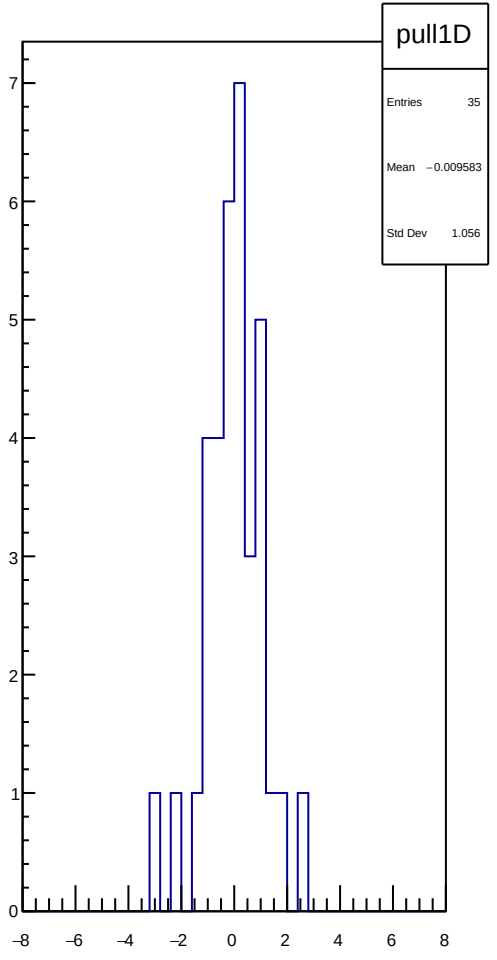

pull1D
Entries 35
Mean 0.06924
Std Dev 0.8827
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

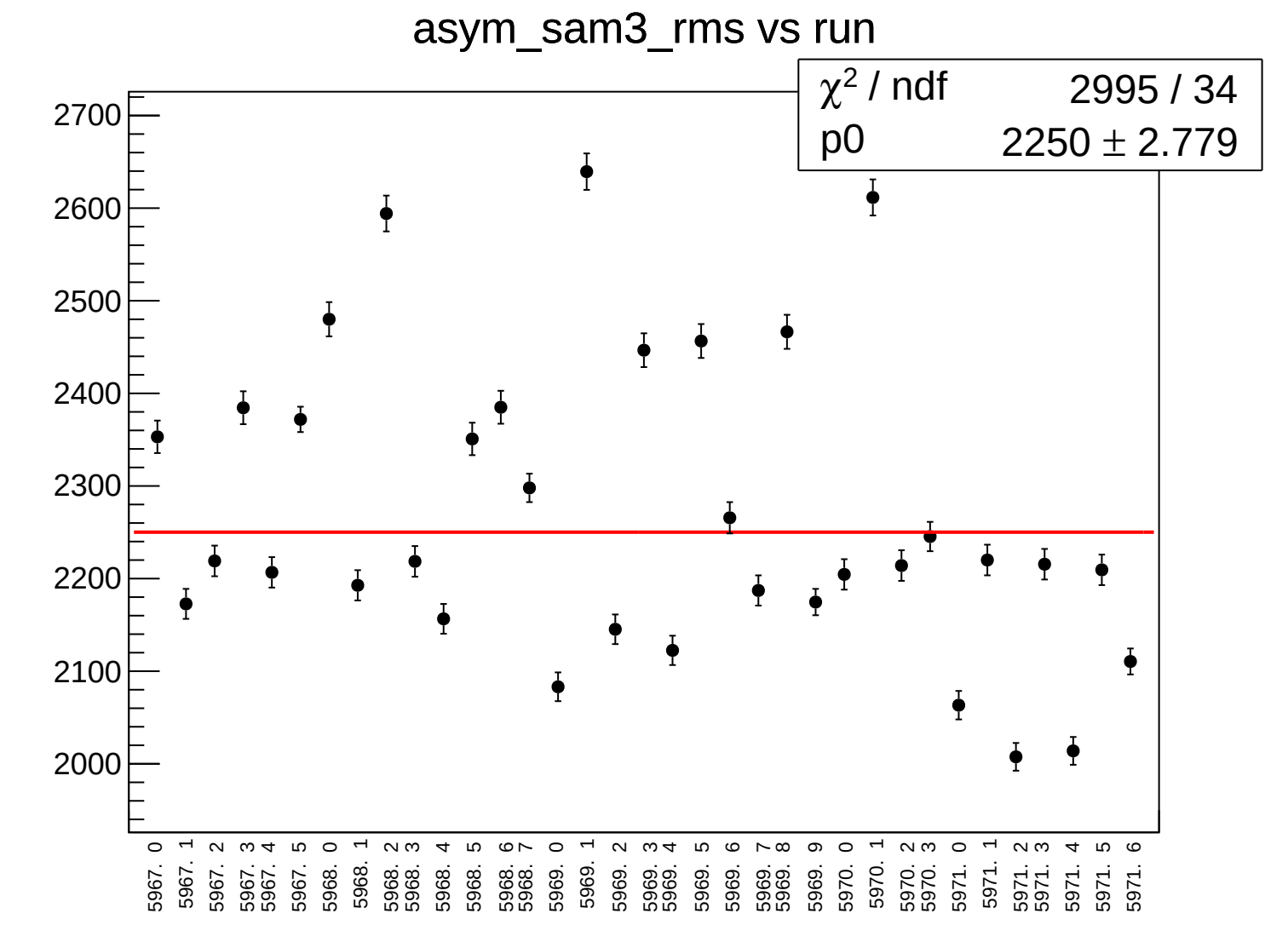

dit_asym_sam3_rms vs run
χ² / ndf 1.535e+04 / 34
p0 137.8 ± 0.1718
280
260
240
220
200
180
160
140
120
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

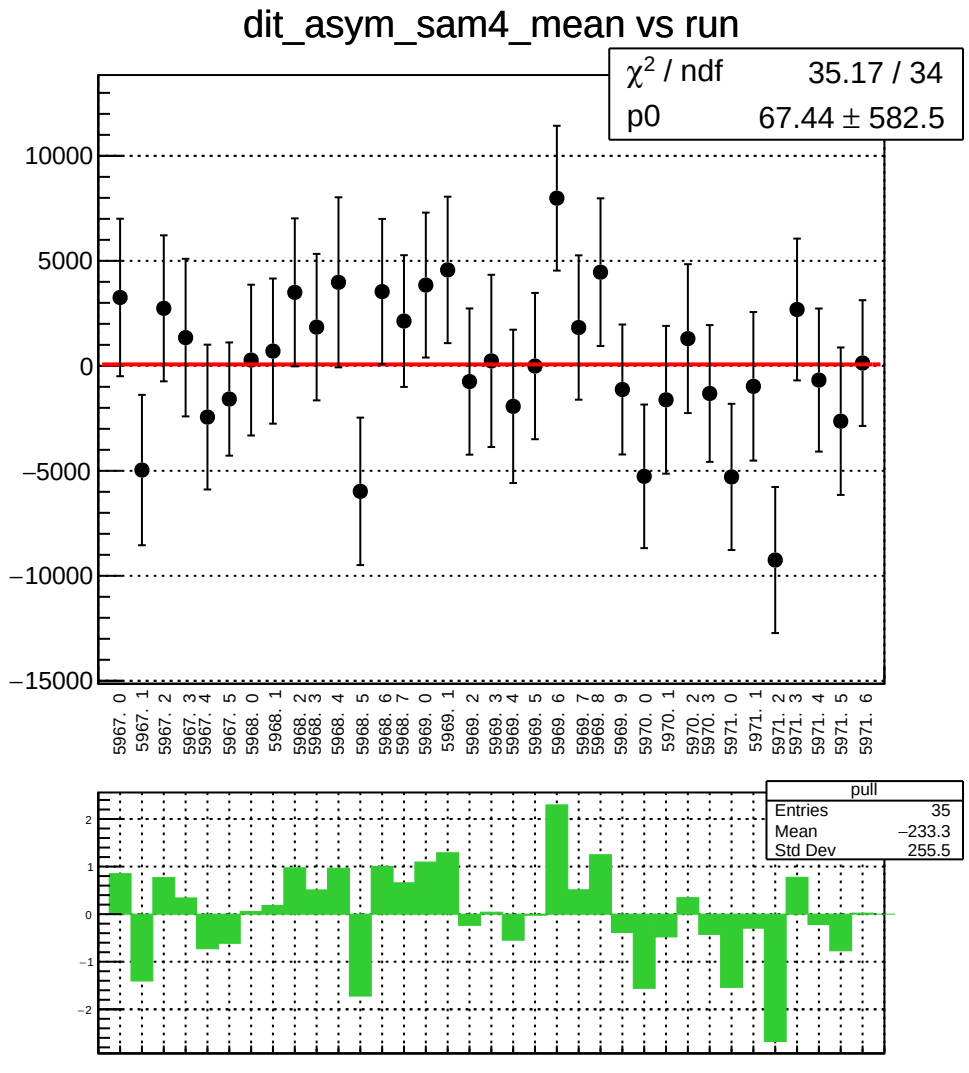

asym_sam3_correction_mean vs run
×10^3
χ^2 / ndf 38.19 / 34
p0 −4073 ± 3980
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 35.54
Std Dev 37.4
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.01342
Std Dev 1.044
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

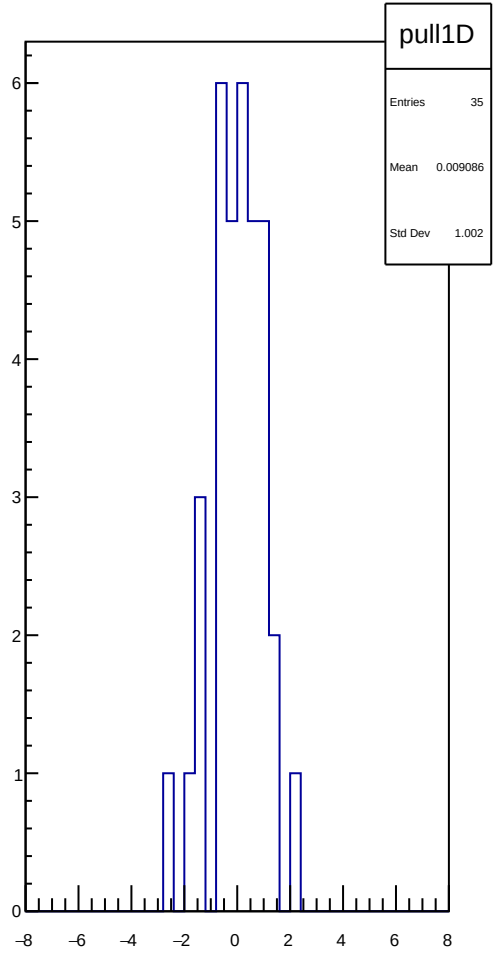

asym_sam3_correction_rms vs run
χ² / ndf 2619 / 34
p0 2280 ± 2.814
2700
2600
2500
2400
2300
2200
2100
2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

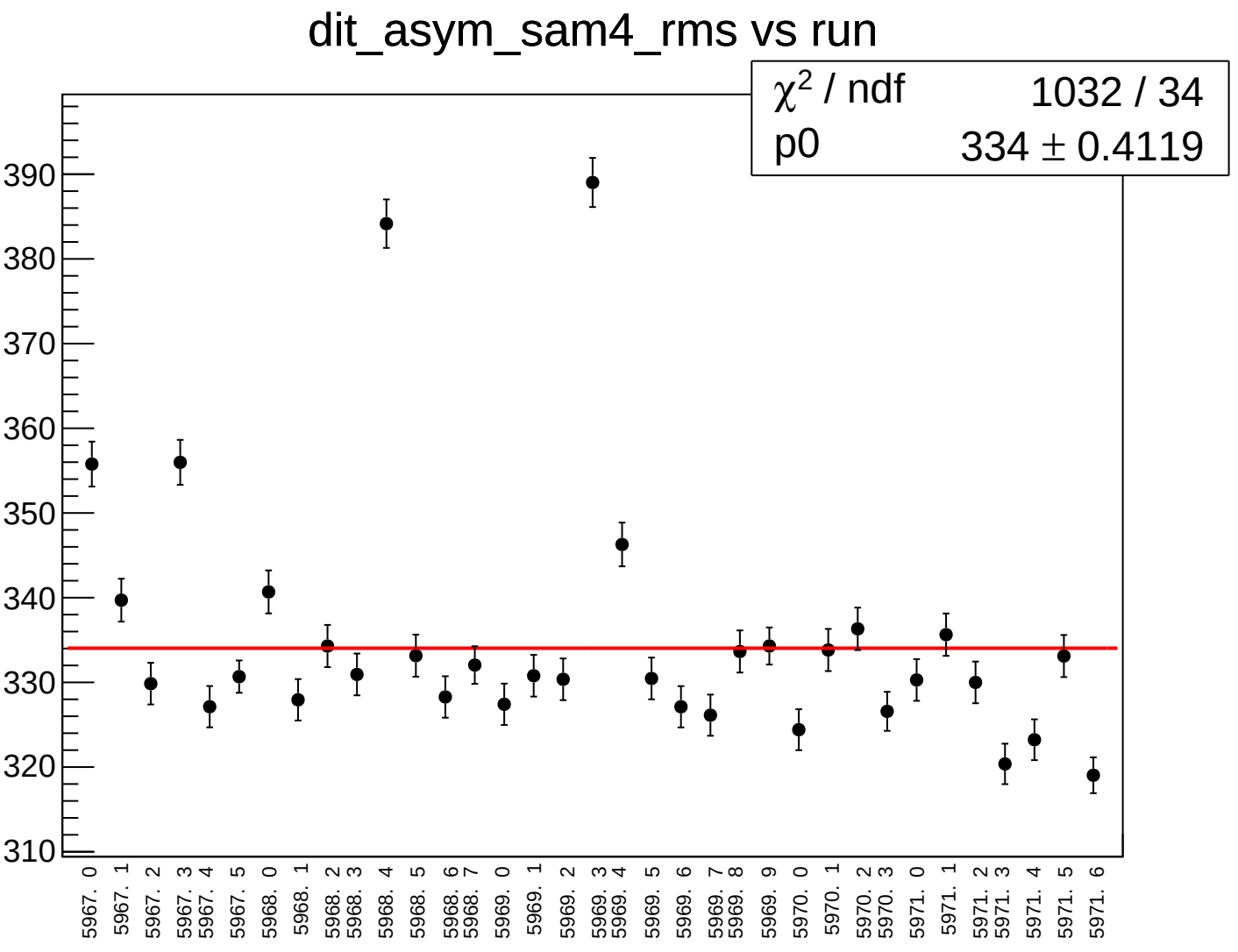

asym_sam3_mean vs run
×10^3
χ^2 / ndf 39.04 / 34
p0 4193 ± 3930
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 51.65
Std Dev 52.01
2
1
0
−1
−2
−3

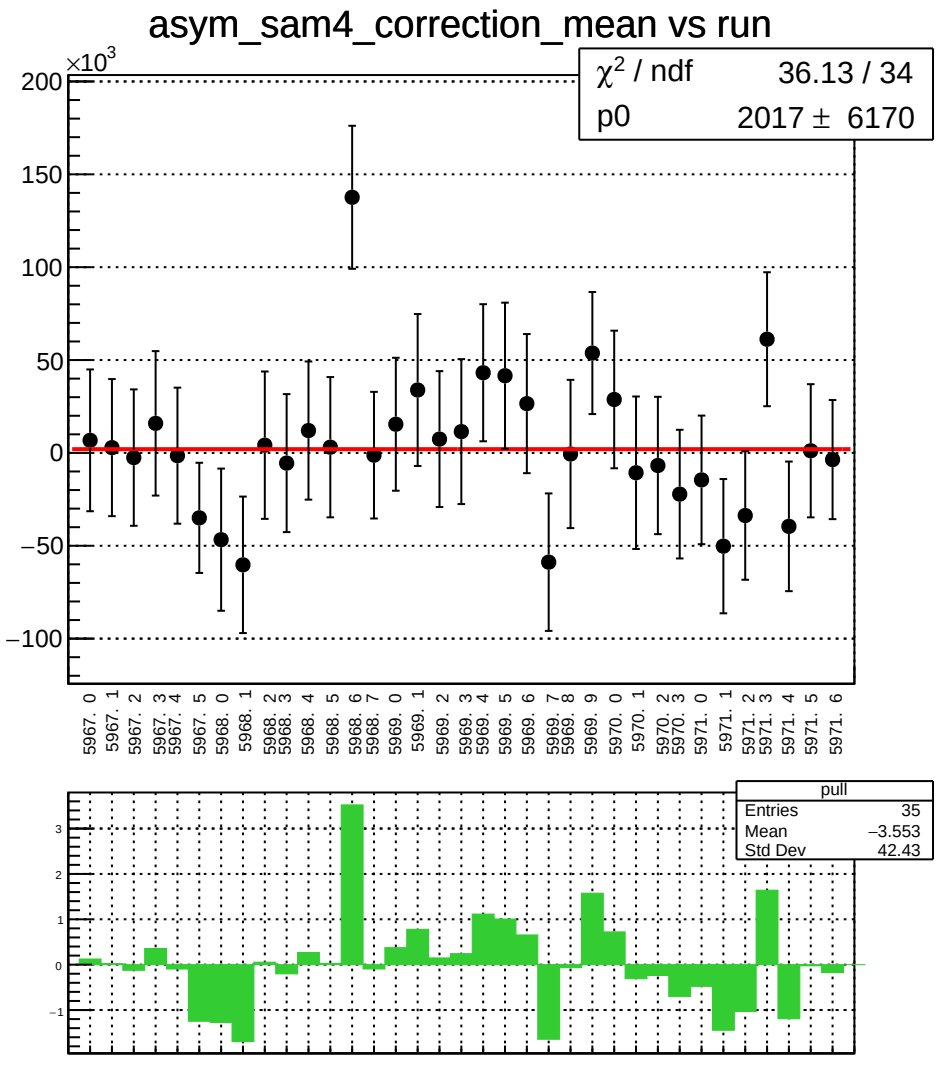

pull1D
Entries 35
Mean −0.009583
Std Dev 1.056
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

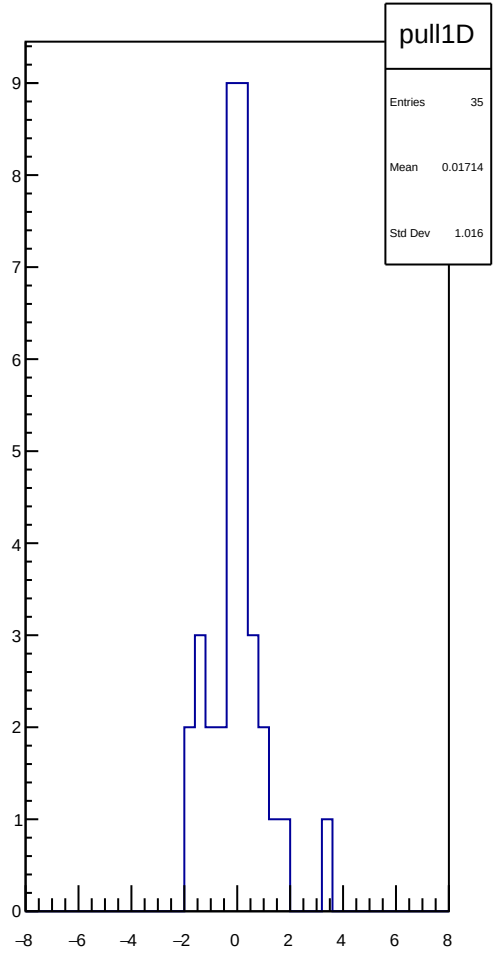

asym_sam3_rms vs run
χ² / ndf 2995 / 34
p0 2250 ± 2.779
2700
2600
2500
2400
2300
2200
2100
2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

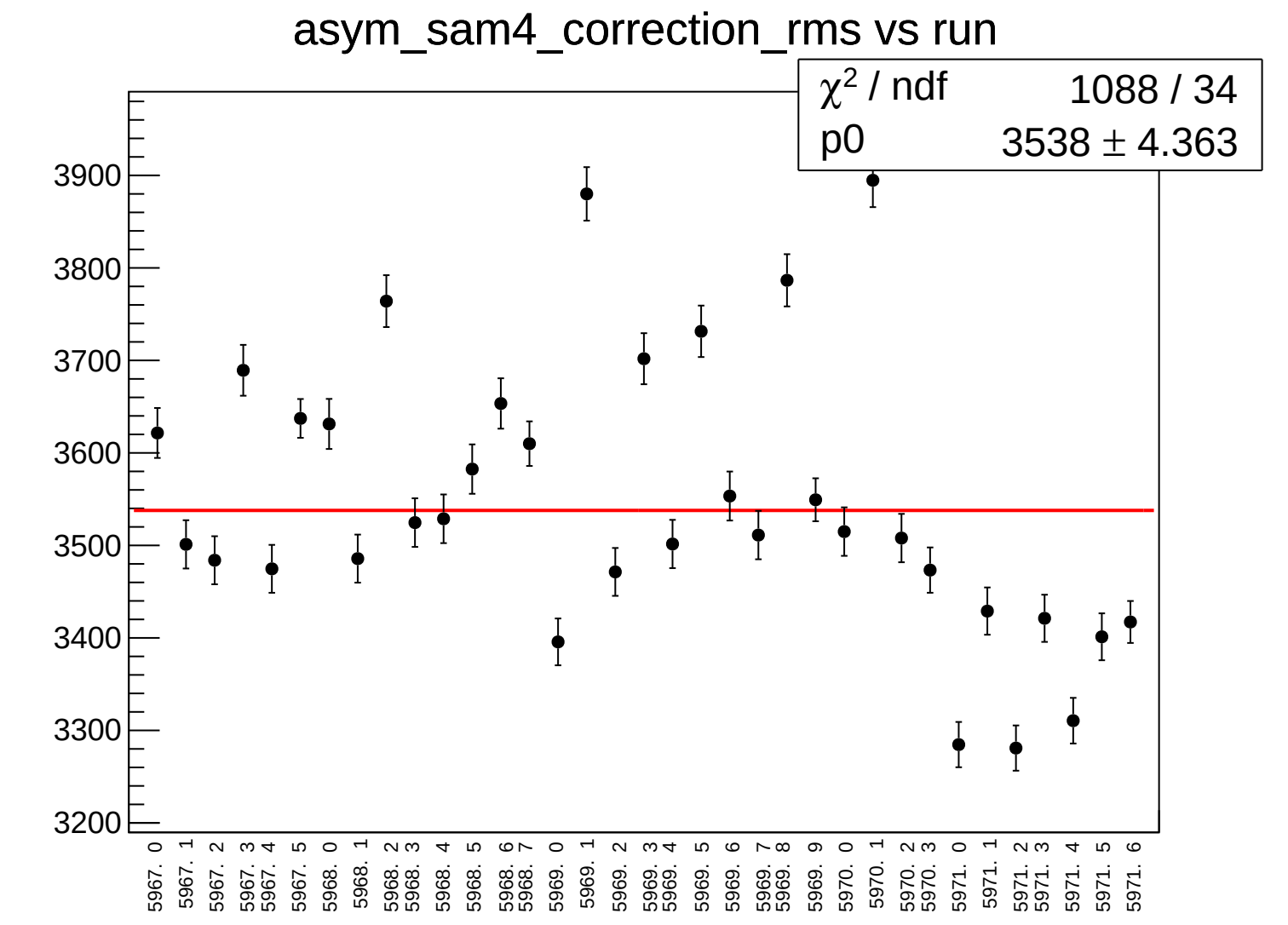

dit_asym_sam4_mean vs run
χ² / ndf 35.17 / 34
p0 67.44 ± 582.5
10000
5000
0
−5000
−10000
−15000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −233.3
Std Dev 255.5
2
1
0
−1
−2

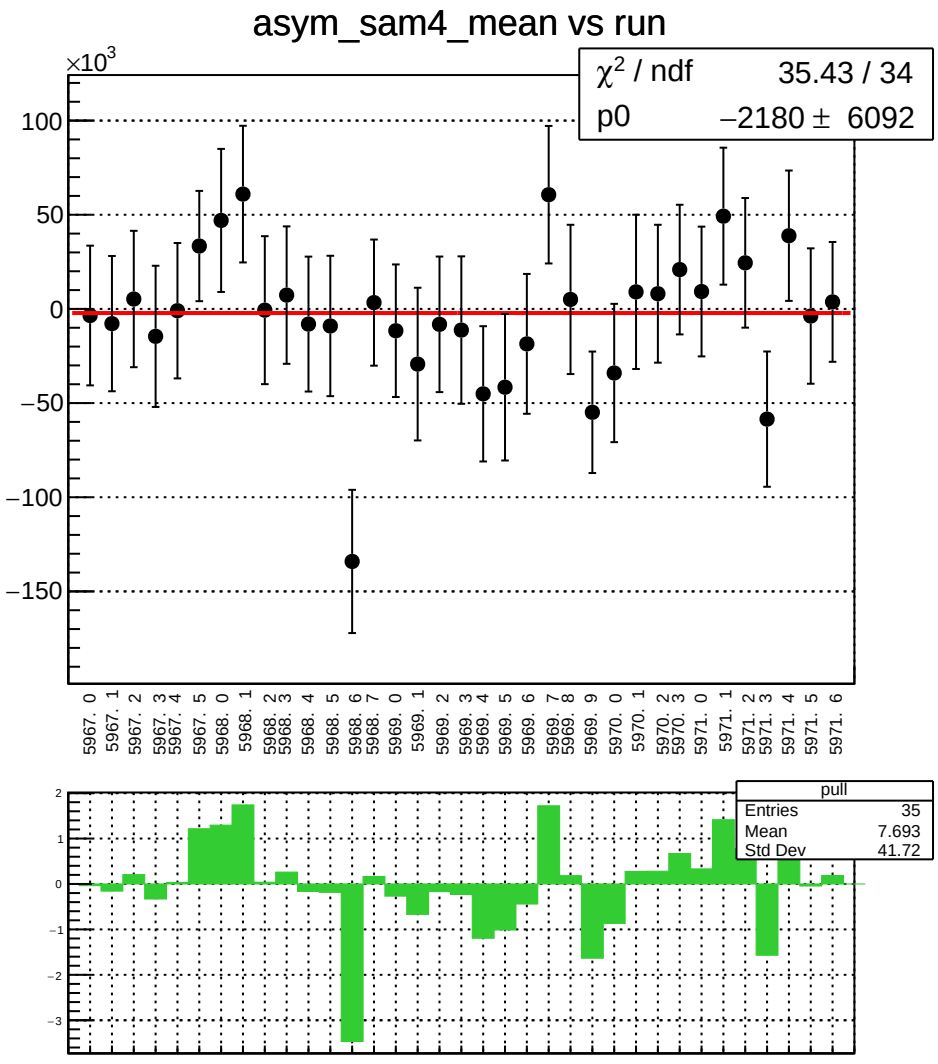

pull1D
Entries 35
Mean 0.009086
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

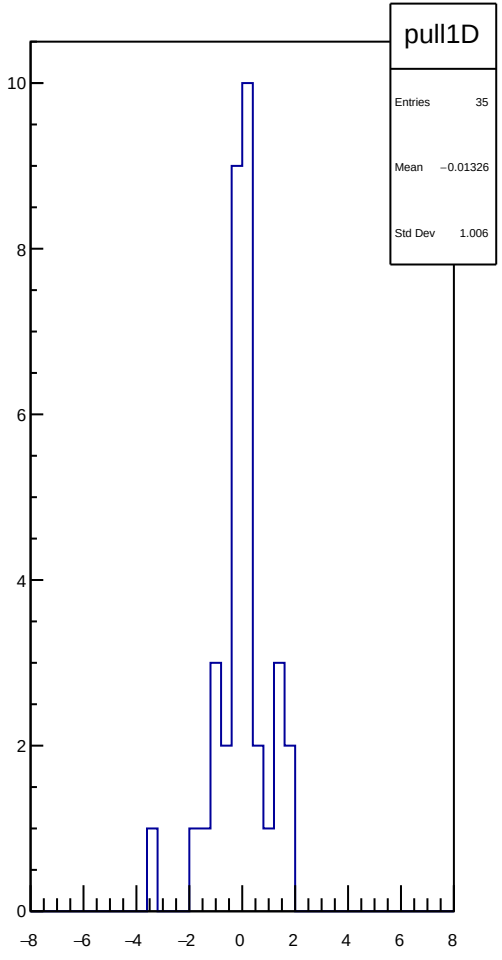

dit_asym_sam4_rms vs run
χ² / ndf 1032 / 34
p0 334 ± 0.4119
390
380
370
360
350
340
330
320
310
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

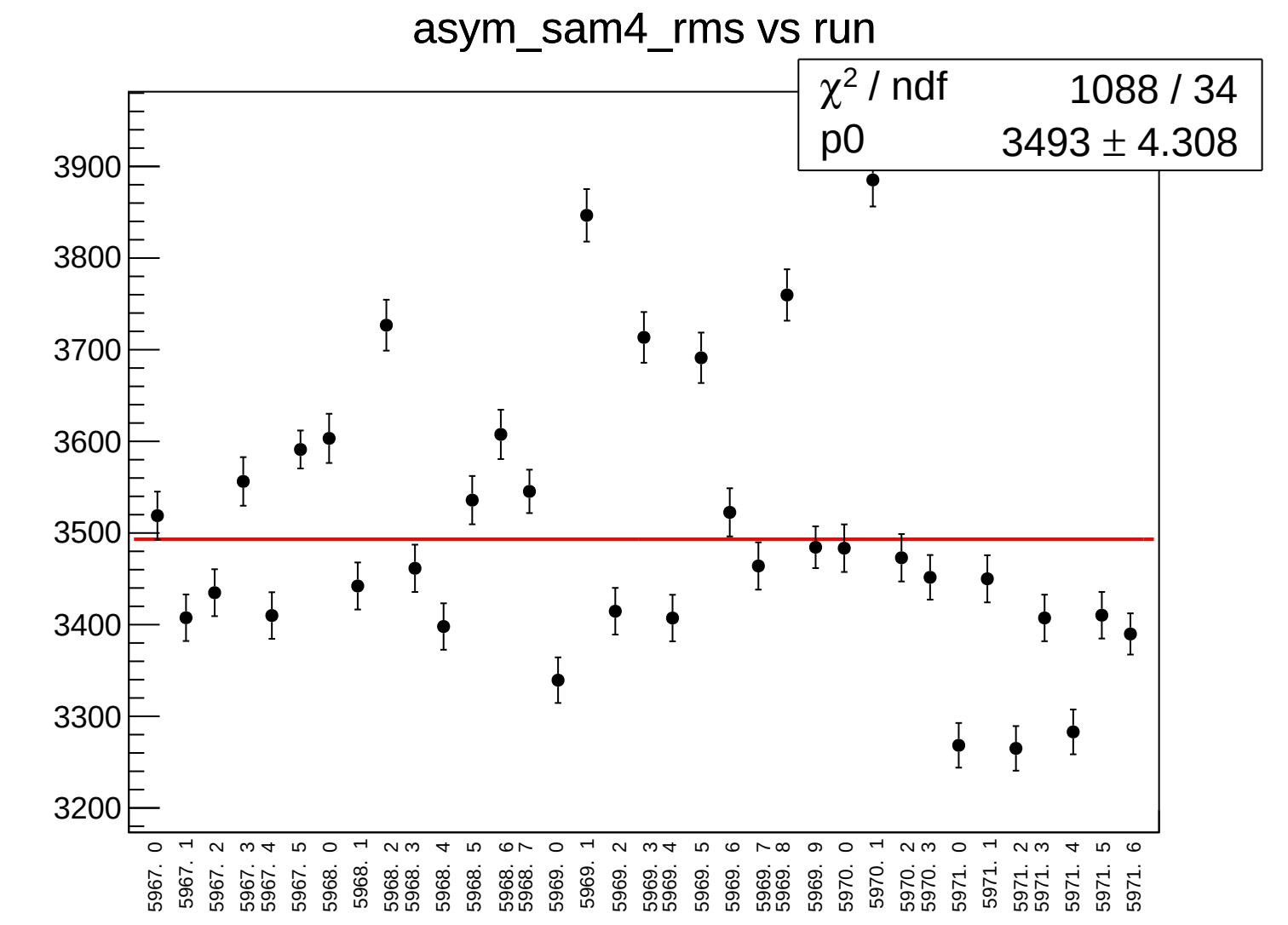

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 36.13 / 34
p0 2017 ± 6170
200
150
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −3.553
Std Dev 42.43
3
2
1
0
−1

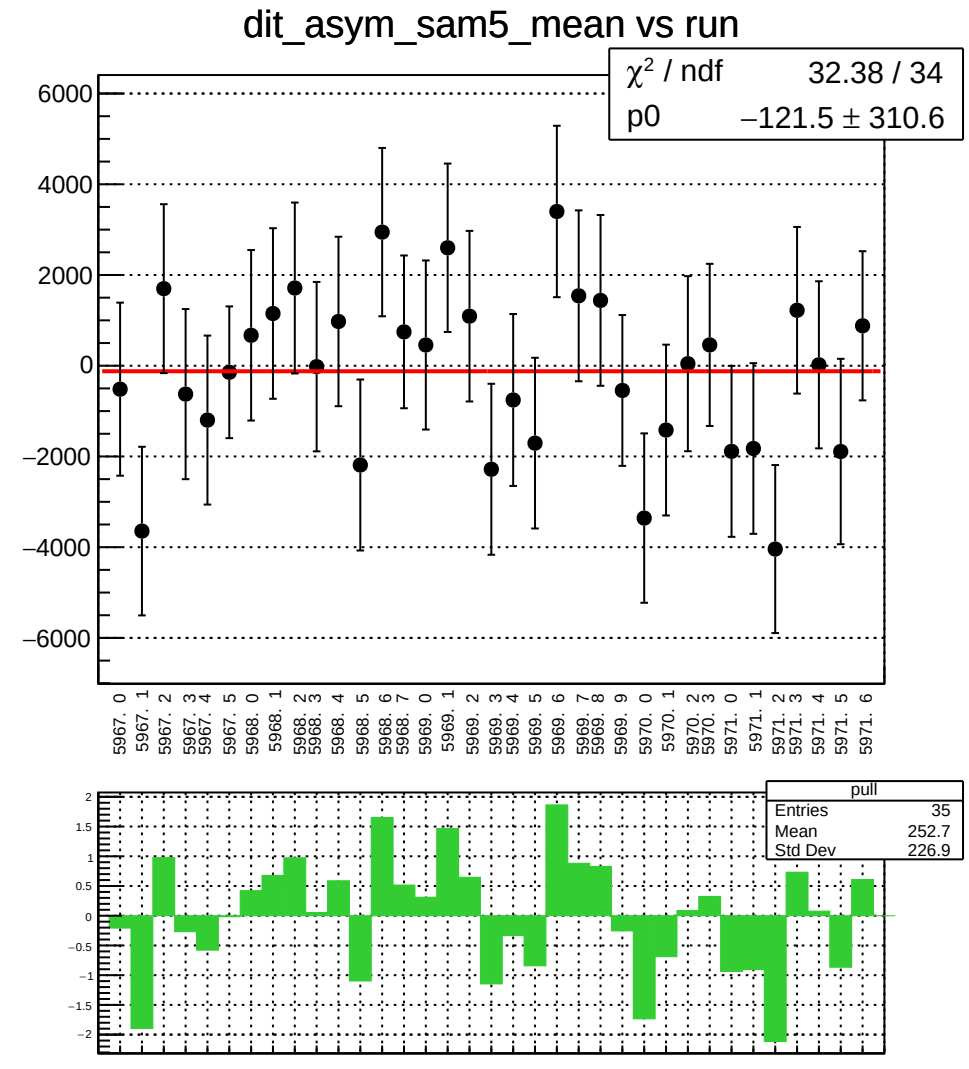

pull1D
Entries 35
Mean 0.01714
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

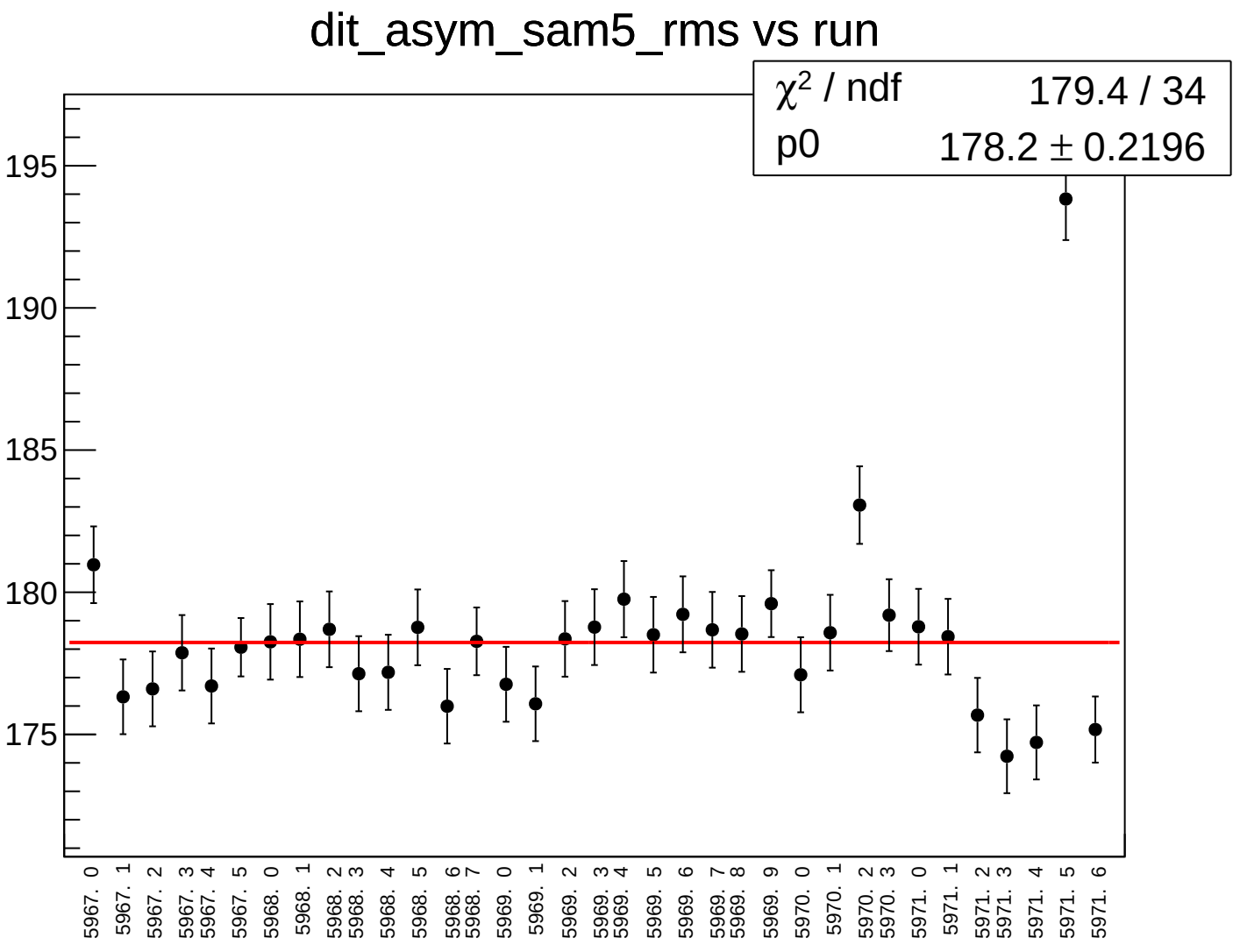

asym_sam4_correction_rms vs run
χ² / ndf 1088 / 34
p0 3538 ± 4.363
3900
3800
3700
3600
3500
3400
3300
3200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

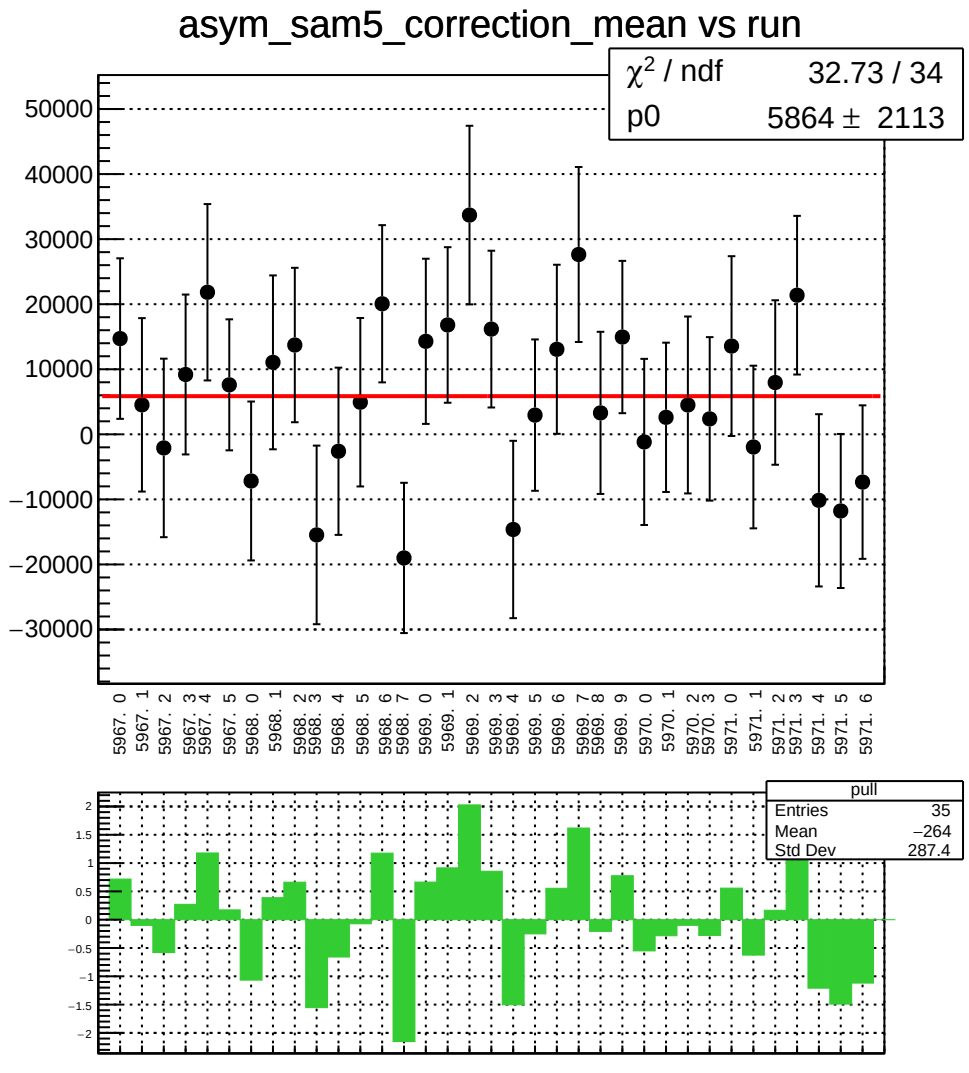

asym_sam4_mean vs run
×10^3
χ^2 / ndf 35.43 / 34
p0 −2180 ± 6092
100
50
0
−50
−100
−150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 7.693
Std Dev 41.72
2
1
0
−1
−2
−3

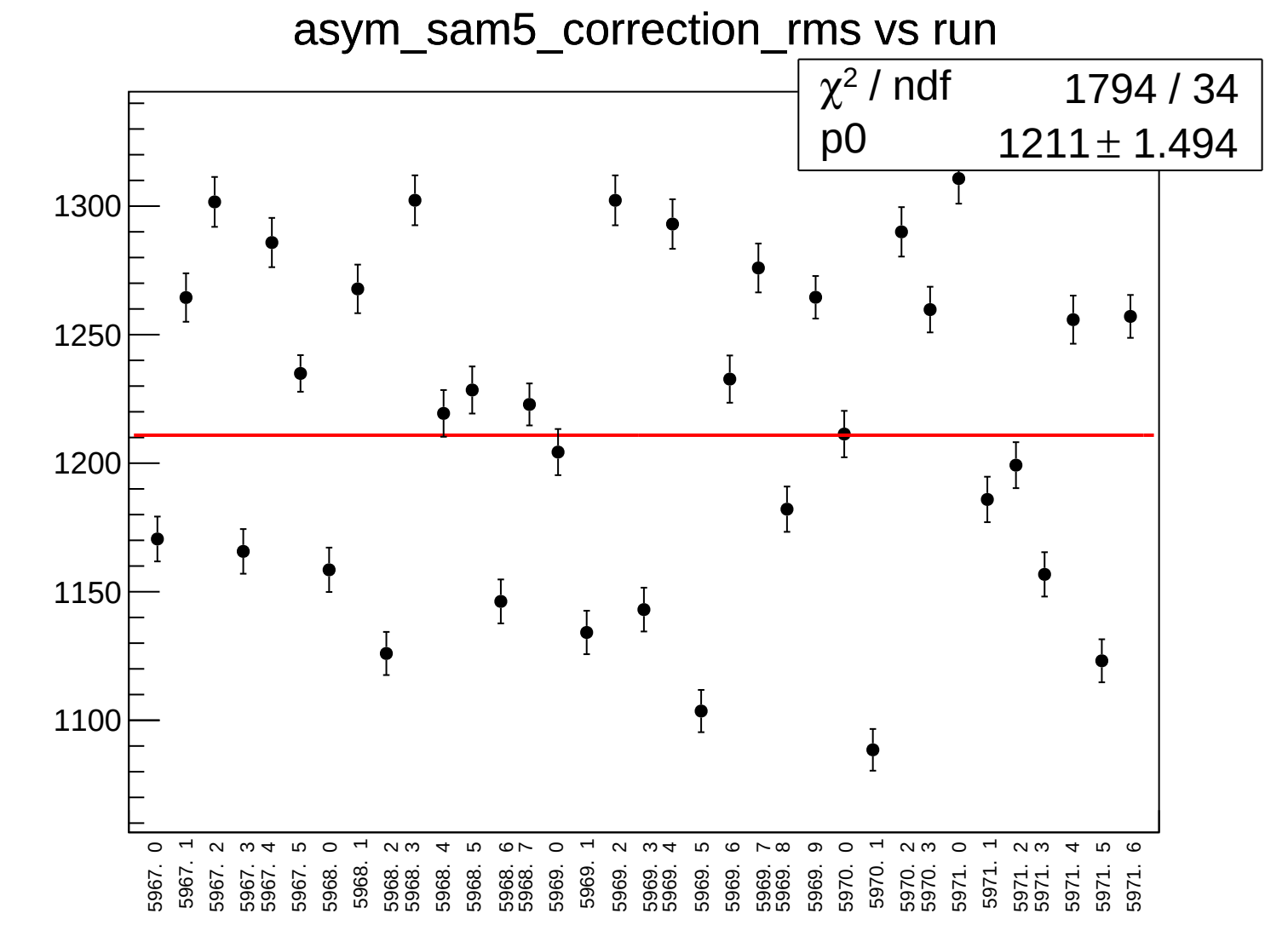

pull1D
Entries 35
Mean −0.01326
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

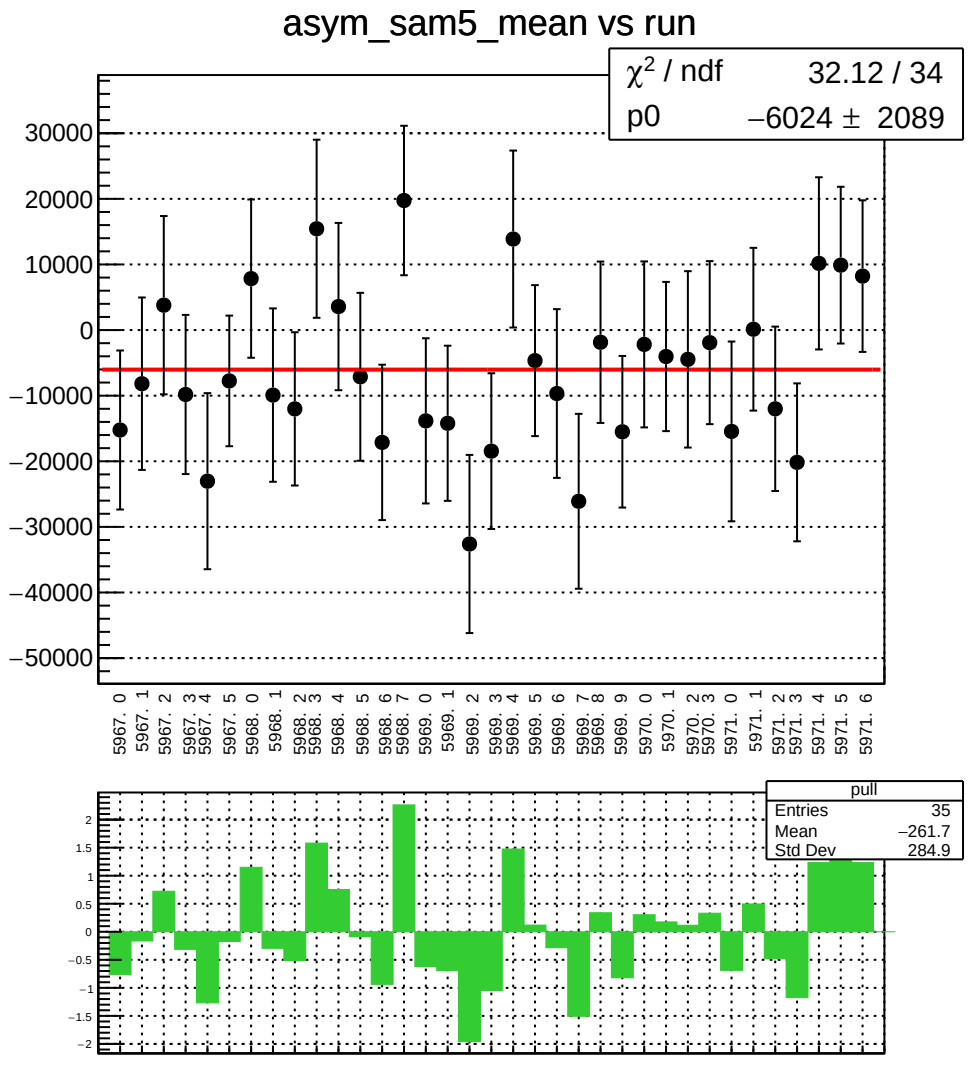

asym_sam4_rms vs run
χ² / ndf 1088 / 34
p0 3493 ± 4.308
3900
3800
3700
3600
3500
3400
3300
3200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

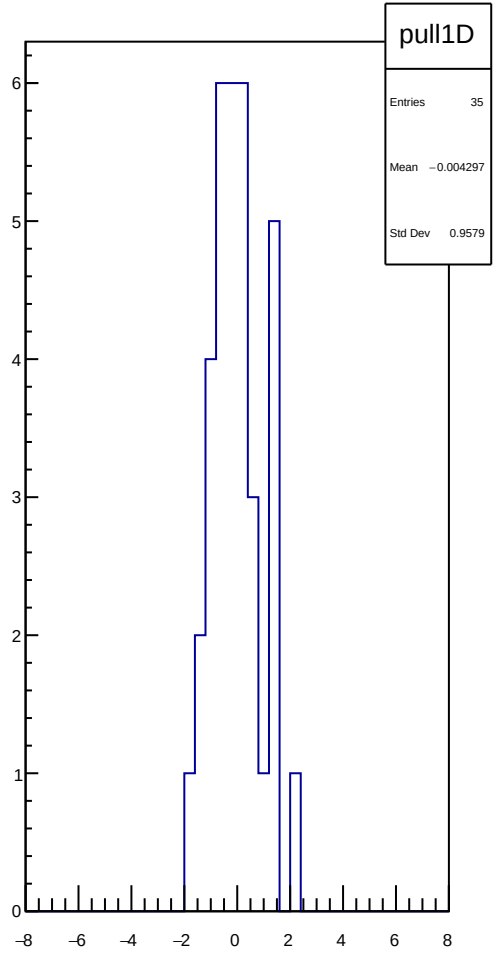

dit_asym_sam5_mean vs run
χ² / ndf 32.38 / 34
p0 −121.5 ± 310.6
6000
4000
2000
0
−2000
−4000
−6000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 252.7
Std Dev 226.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.005709
Std Dev 0.9618
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

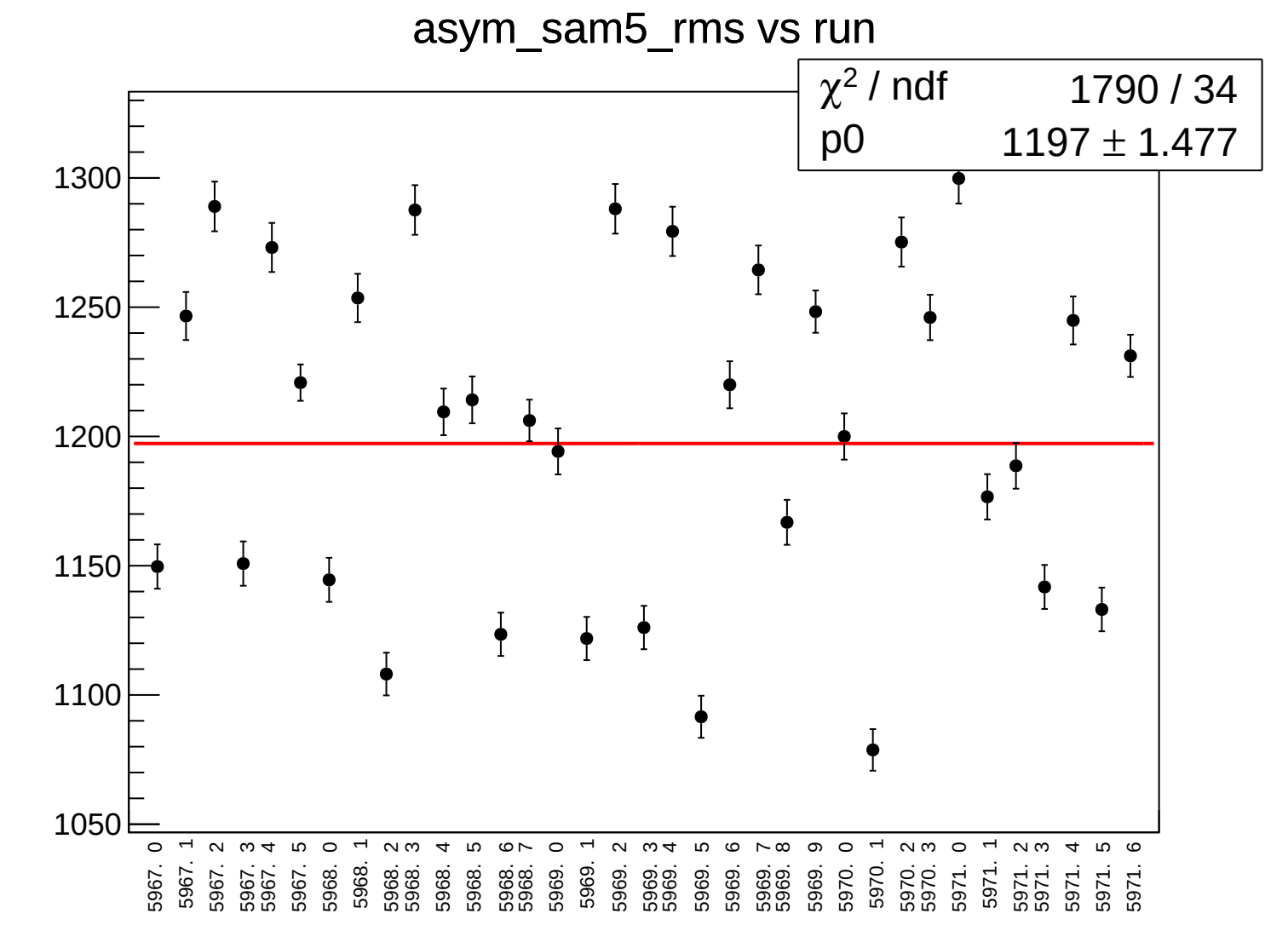

dit_asym_sam5_rms vs run
χ² / ndf 179.4 / 34
p0 178.2 ± 0.2196
195
190
185
180
175
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

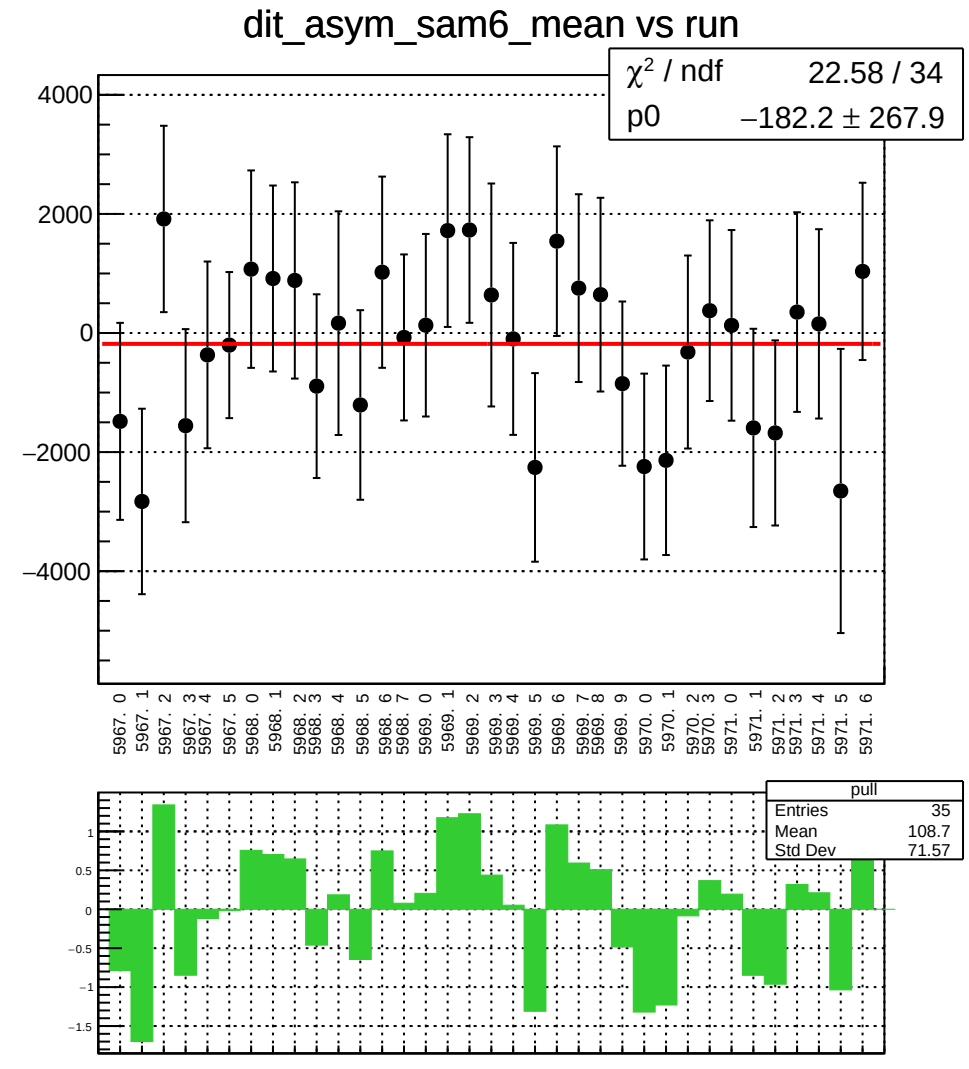

asym_sam5_correction_mean vs run
χ² / ndf 32.73 / 34
p0 5864 ± 2113
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −264
Std Dev 287.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.005002
Std Dev 0.967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

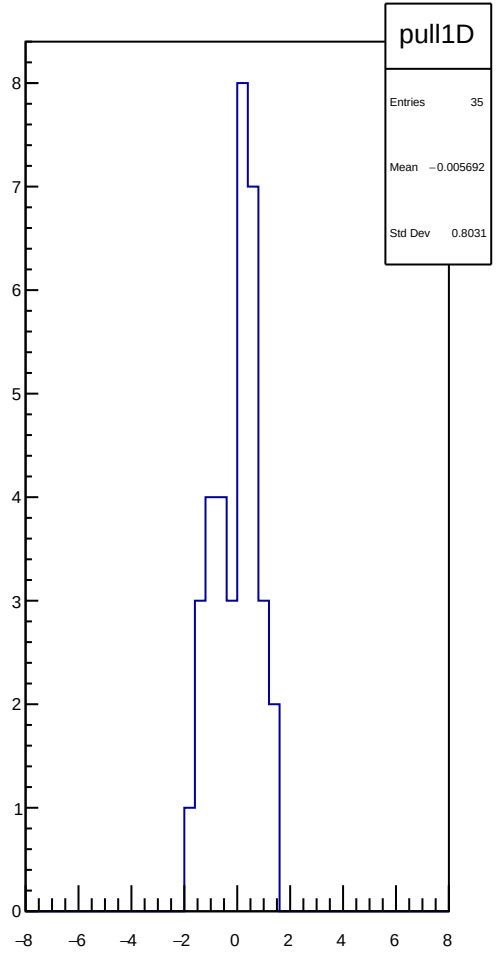

asym_sam5_correction_rms vs run
χ² / ndf 1794 / 34
p0 1211 ± 1.494
1300
1250
1200
1150
1100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

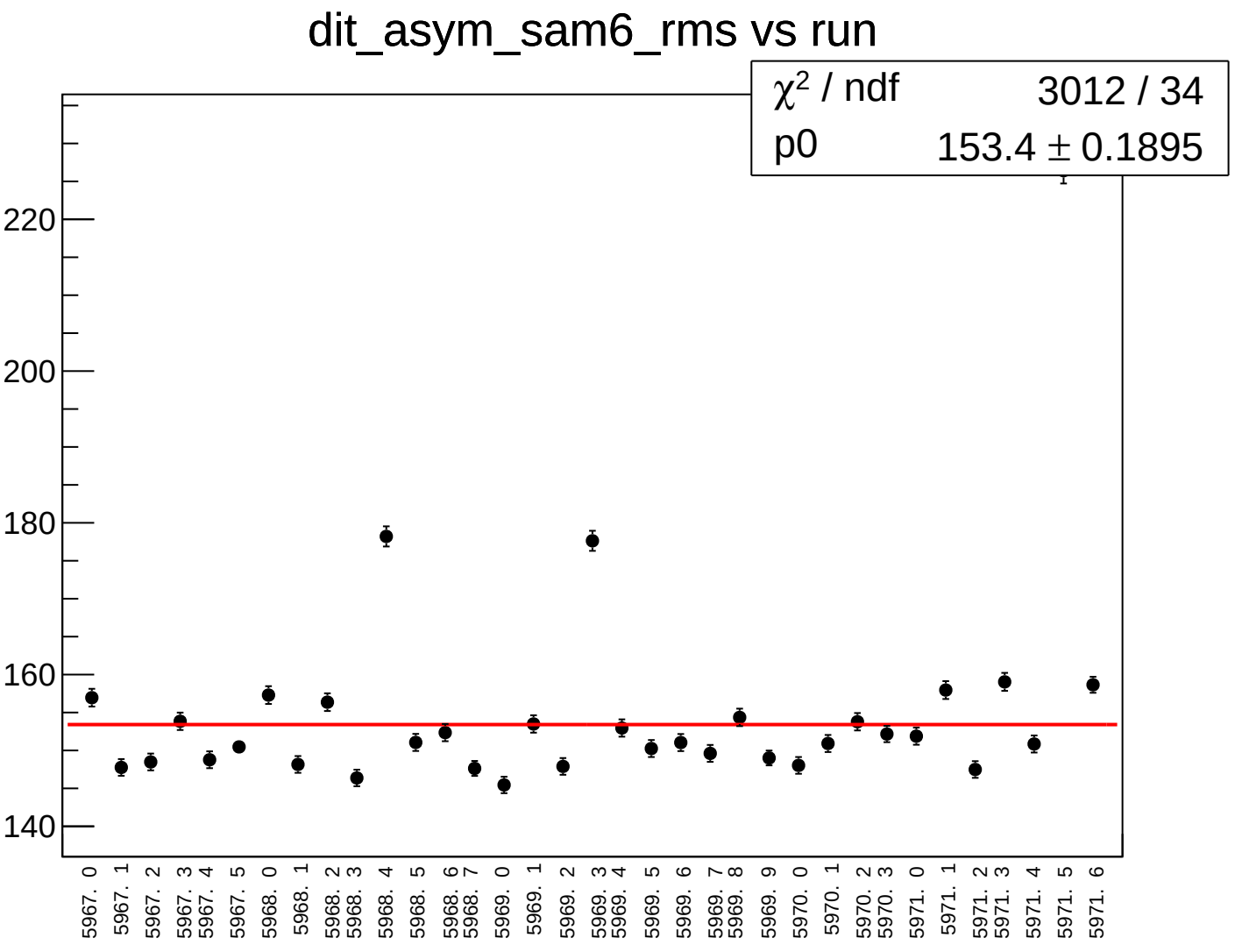

asym_sam5_mean vs run
χ² / ndf 32.12 / 34
p0 −6024 ± 2089
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −261.7
Std Dev 284.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

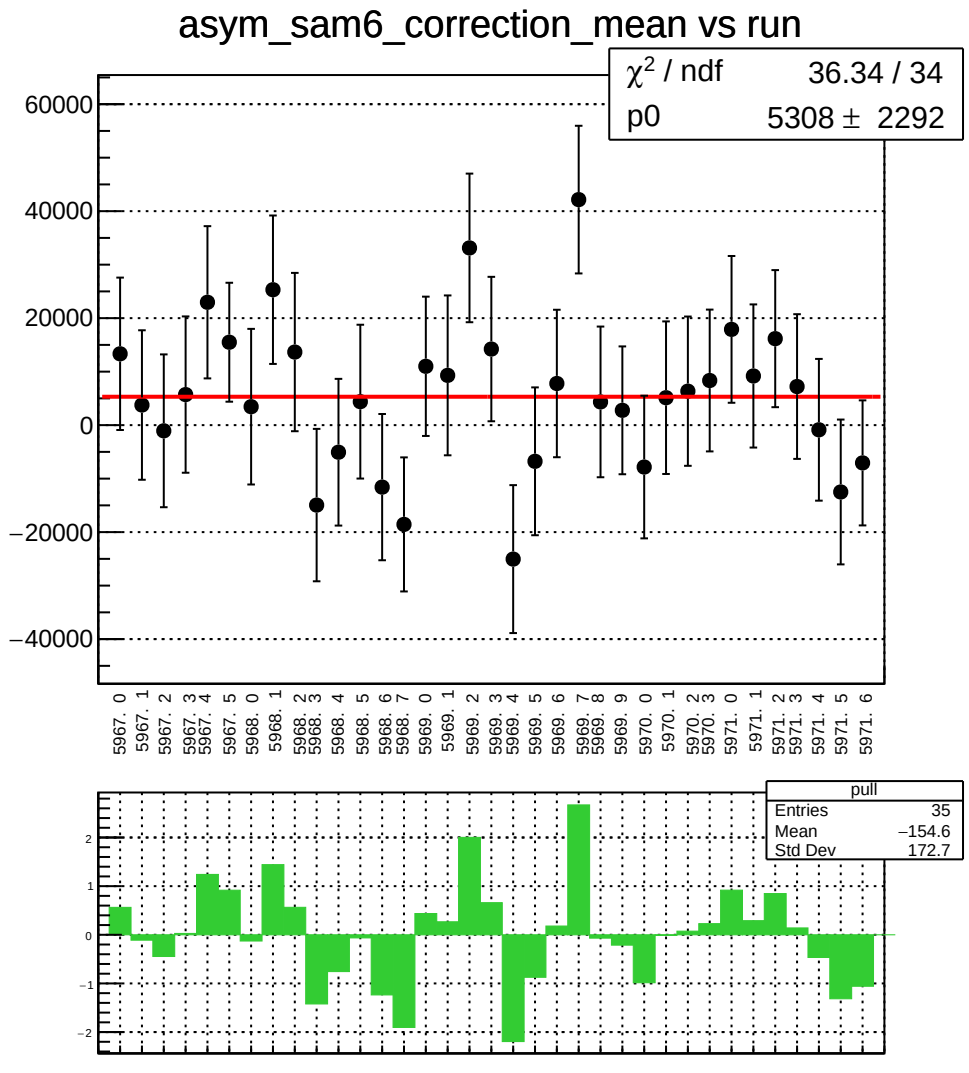

pull1D
Entries 35
Mean −0.004297
Std Dev 0.9579
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

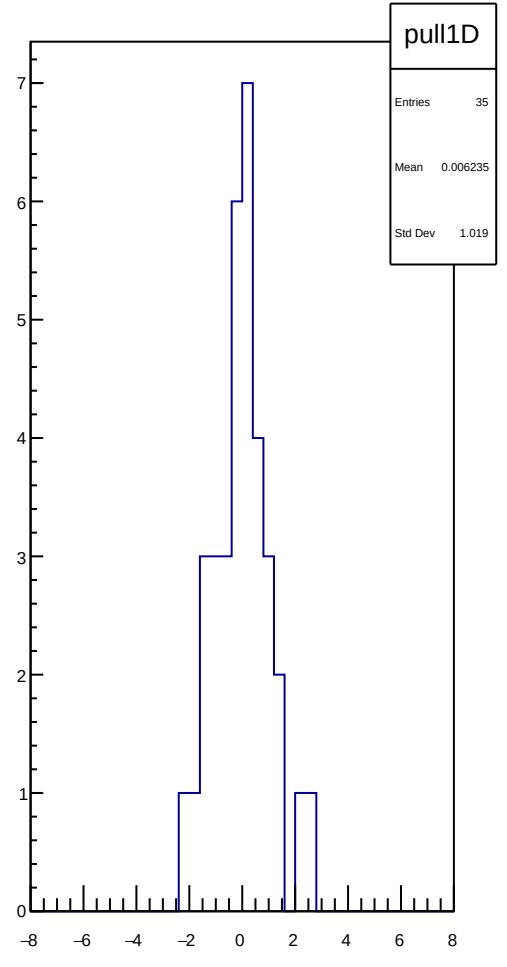

asym_sam5_rms vs run
χ² / ndf 1790 / 34
p0 1197 ± 1.477
1300
1250
1200
1150
1100
1050
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

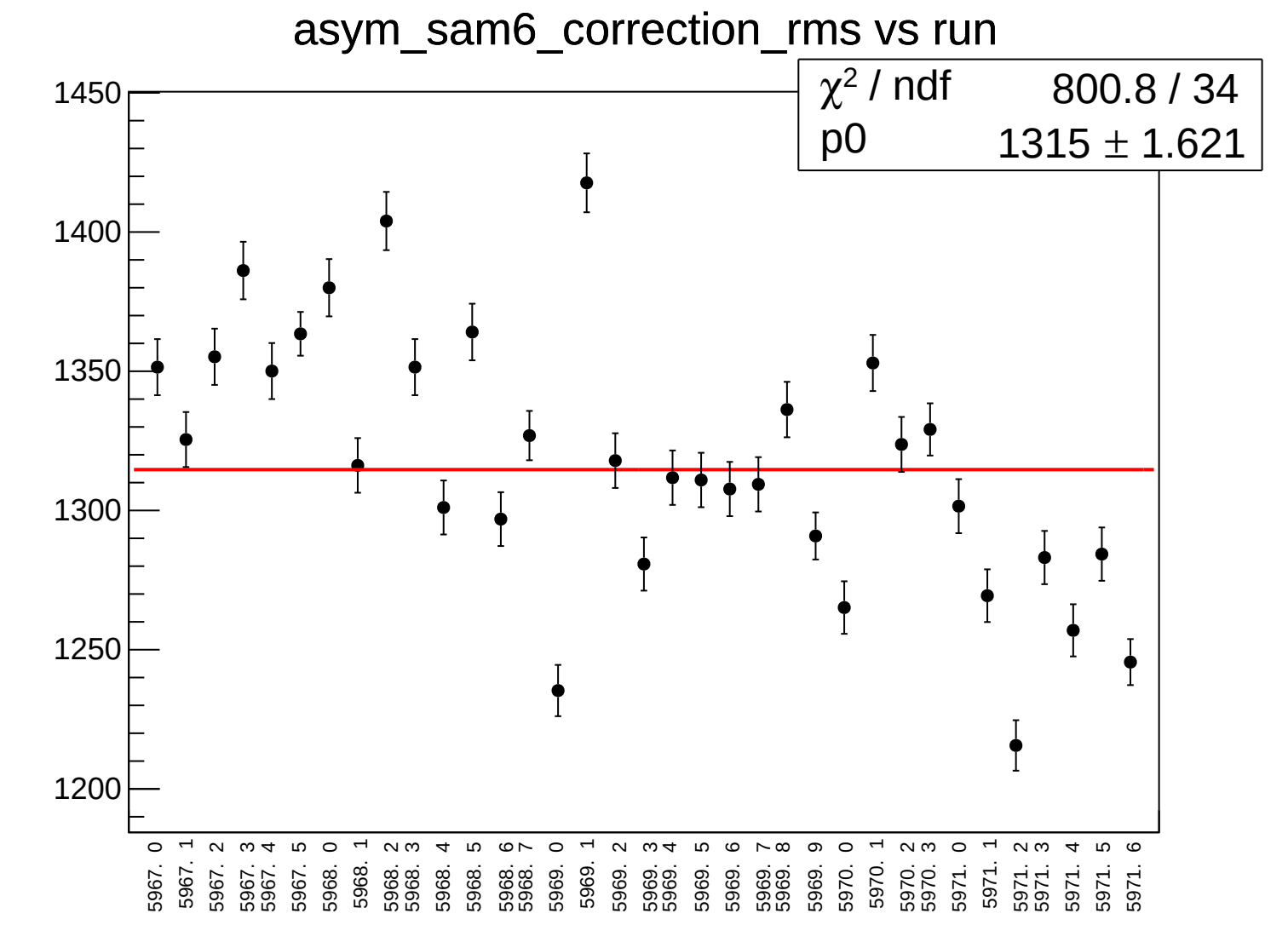

dit_asym_sam6_mean vs run
χ² / ndf 22.58 / 34
p0 −182.2 ± 267.9
4000
2000
0
−2000
−4000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 108.7
Std Dev 71.57
1
0.5
0
−0.5
−1
−1.5

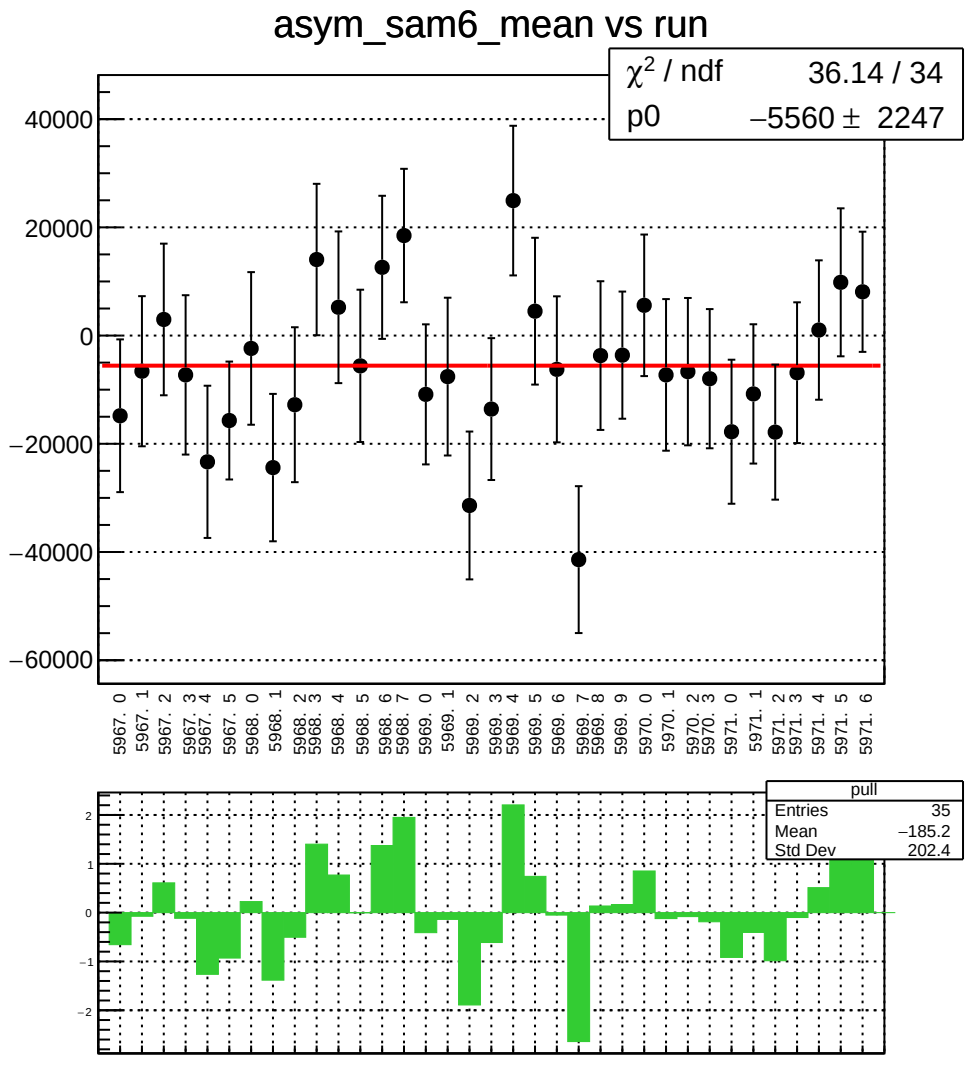

pull1D
Entries 35
Mean −0.005692
Std Dev 0.8031
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

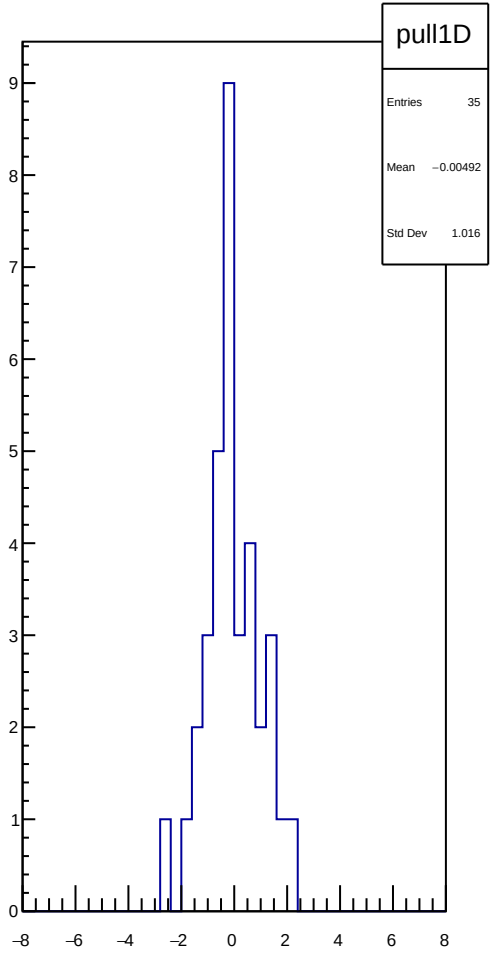

dit_asym_sam6_rms vs run
χ² / ndf 3012 / 34
p0 153.4 ± 0.1895
220
200
180
160
140
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

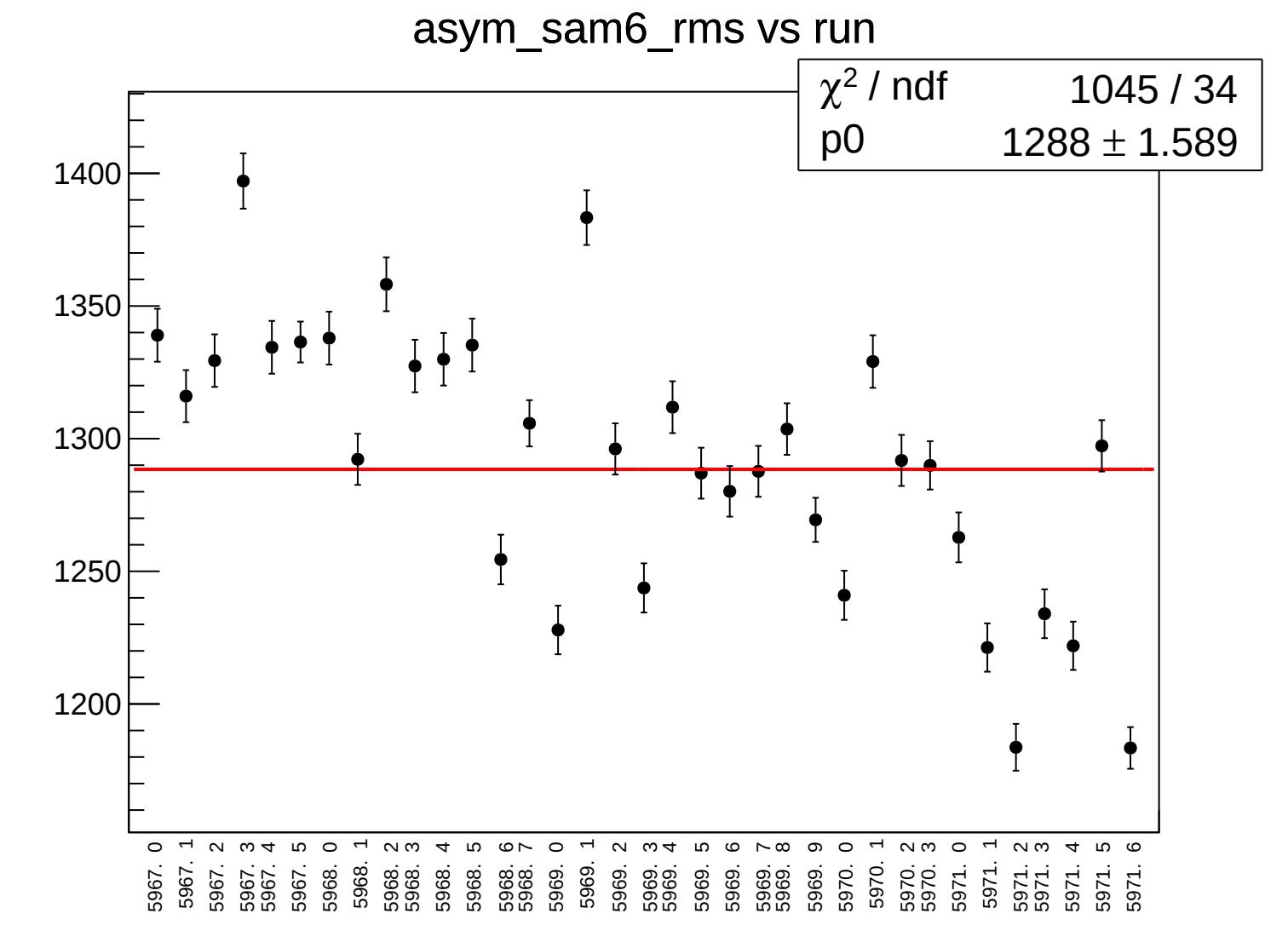

asym_sam6_correction_mean vs run
χ² / ndf 36.34 / 34
p0 5308 ± 2292
60000
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −154.6
Std Dev 172.7
2
1
0
−1
−2

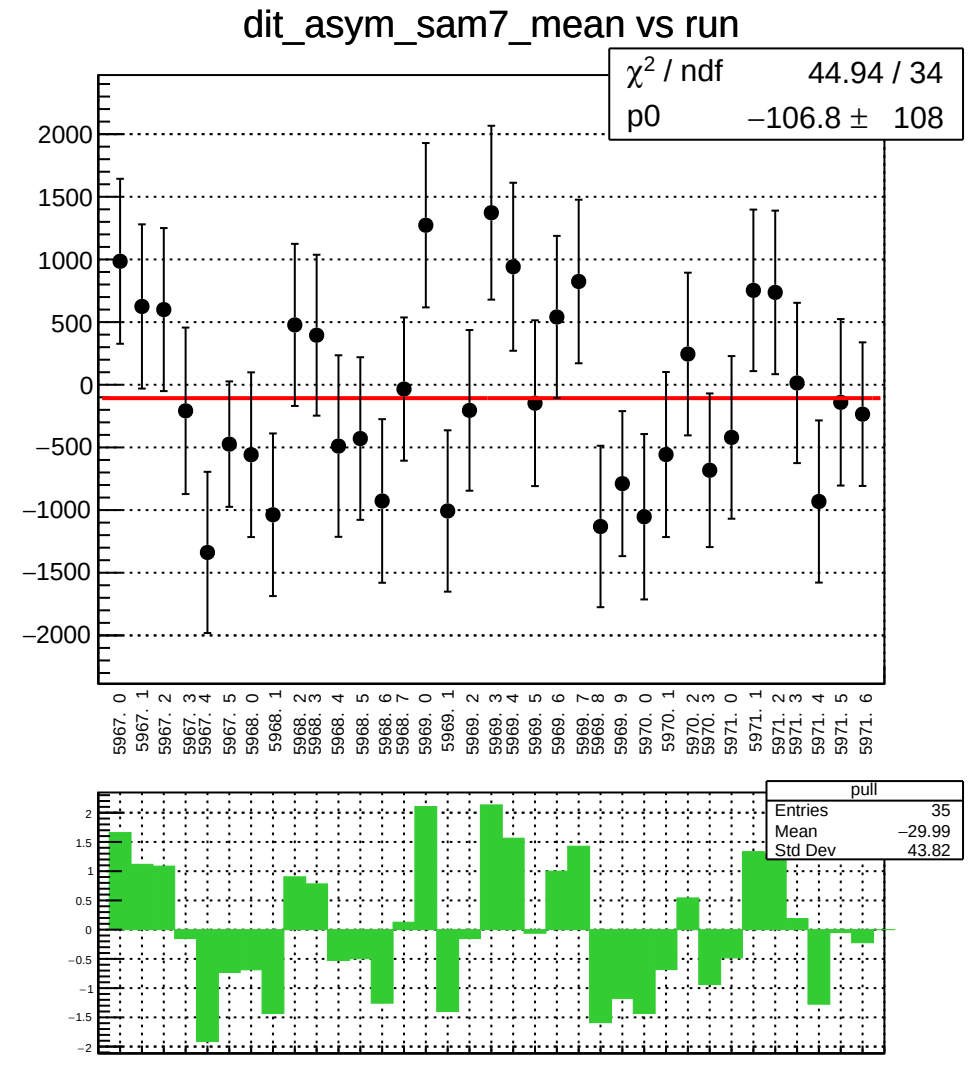

pull1D
Entries 35
Mean 0.006235
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

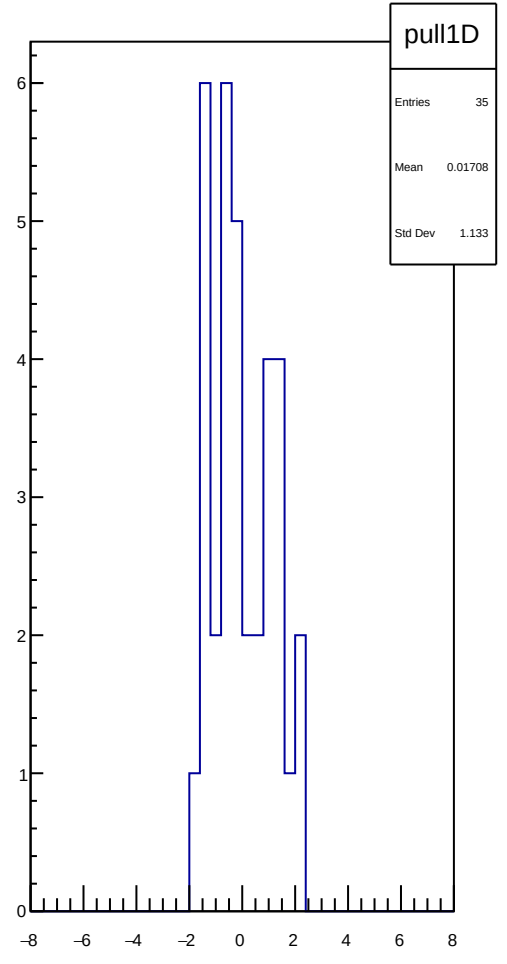

asym_sam6_correction_rms vs run
χ² / ndf 800.8 / 34
p0 1315 ± 1.621
1450
1400
1350
1300
1250
1200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

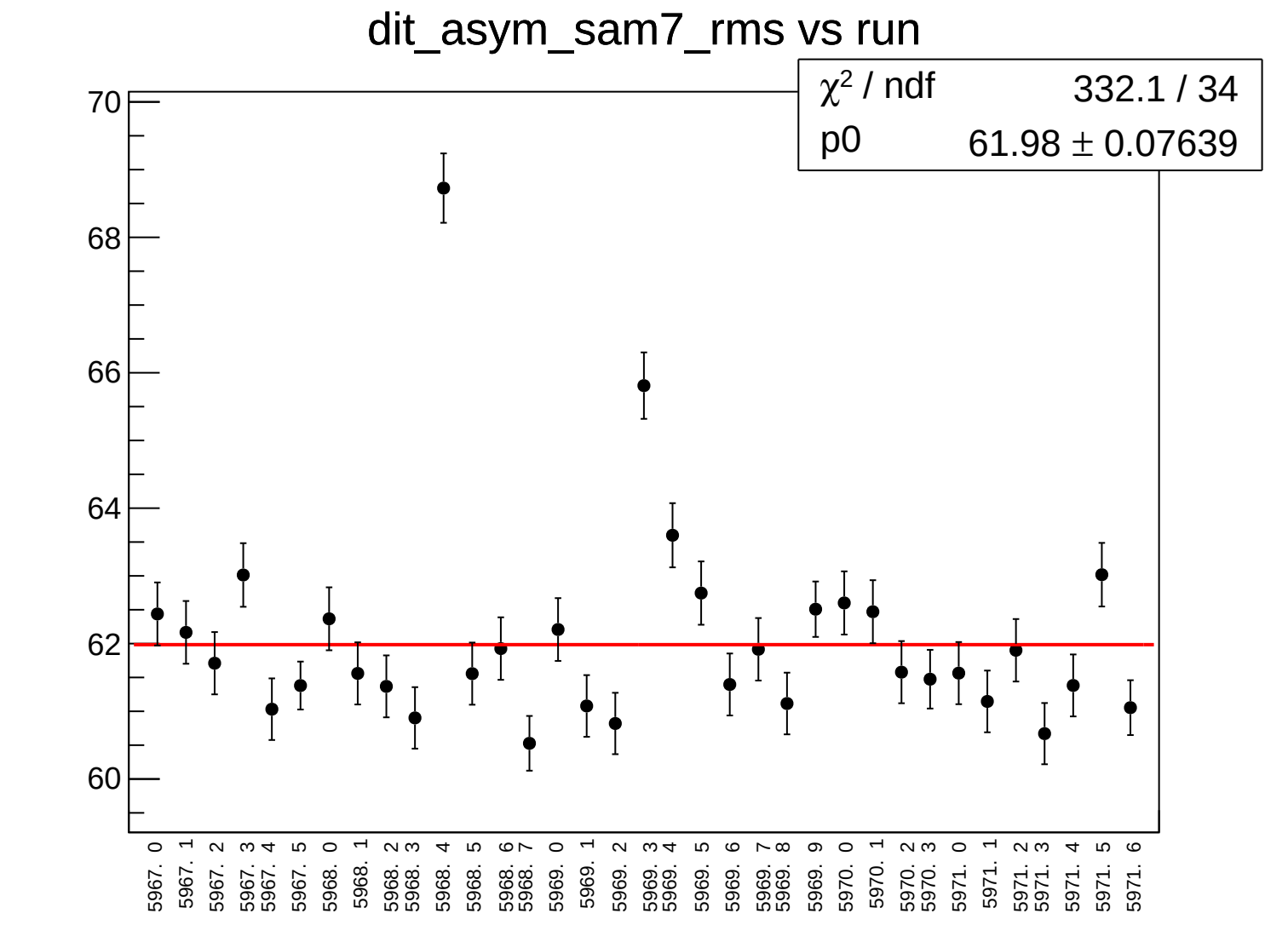

asym_sam6_mean vs run
χ² / ndf 36.14 / 34
p0 −5560 ± 2247
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −185.2
Std Dev 202.4
2
1
0
−1
−2

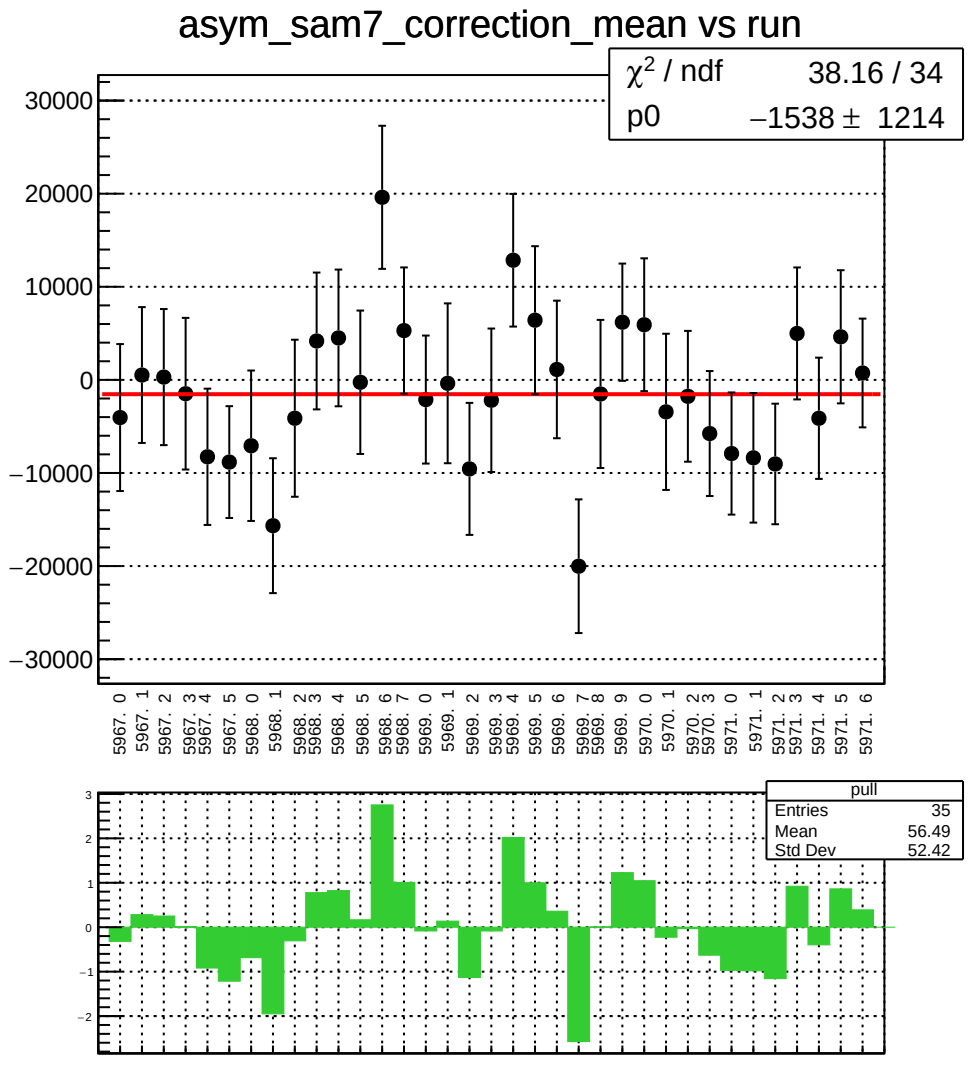

pull1D
Entries 35
Mean −0.00492
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

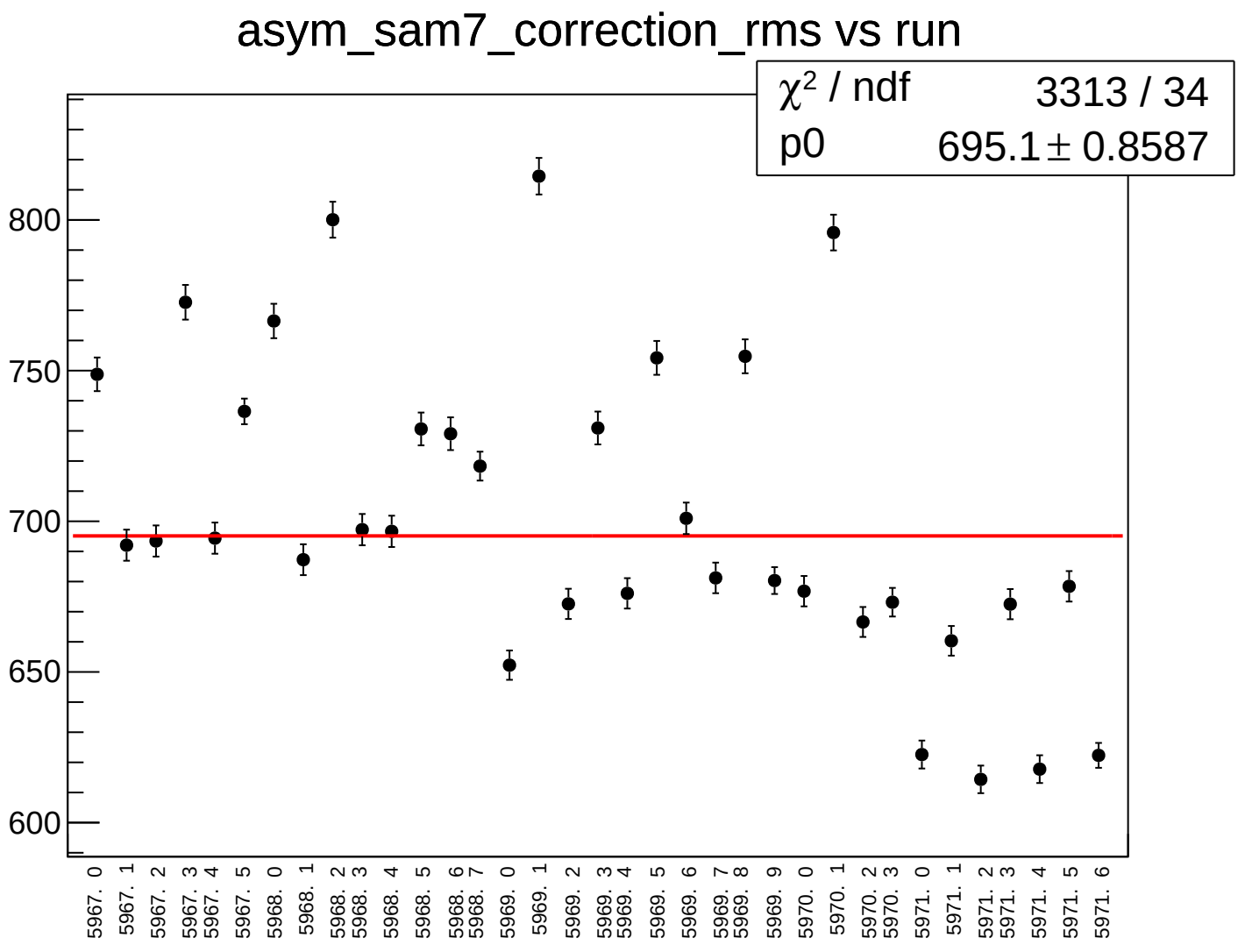

asym_sam6_rms vs run
χ² / ndf 1045 / 34
p0 1288 ± 1.589
1400
1350
1300
1250
1200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

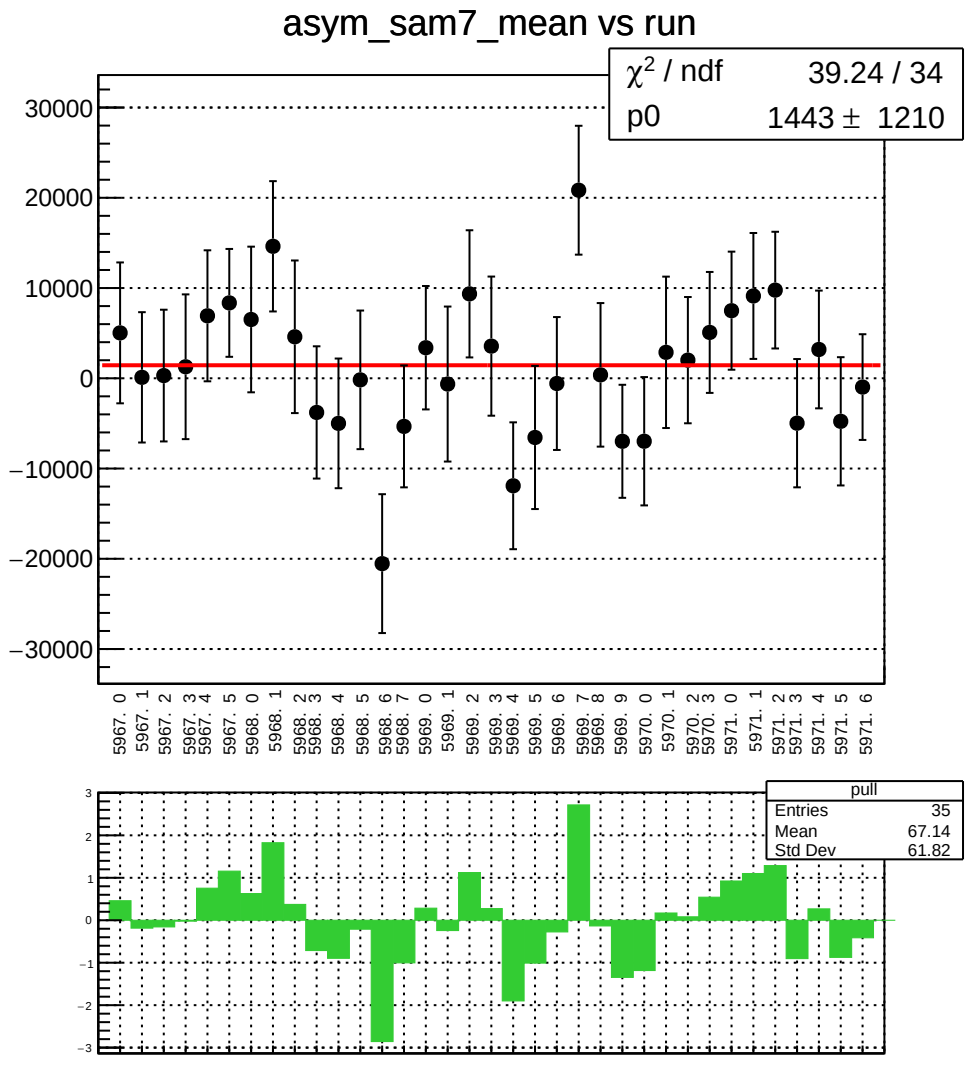

dit_asym_sam7_mean vs run
χ² / ndf 44.94 / 34
p0 −106.8 ± 108
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −29.99
Std Dev 43.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

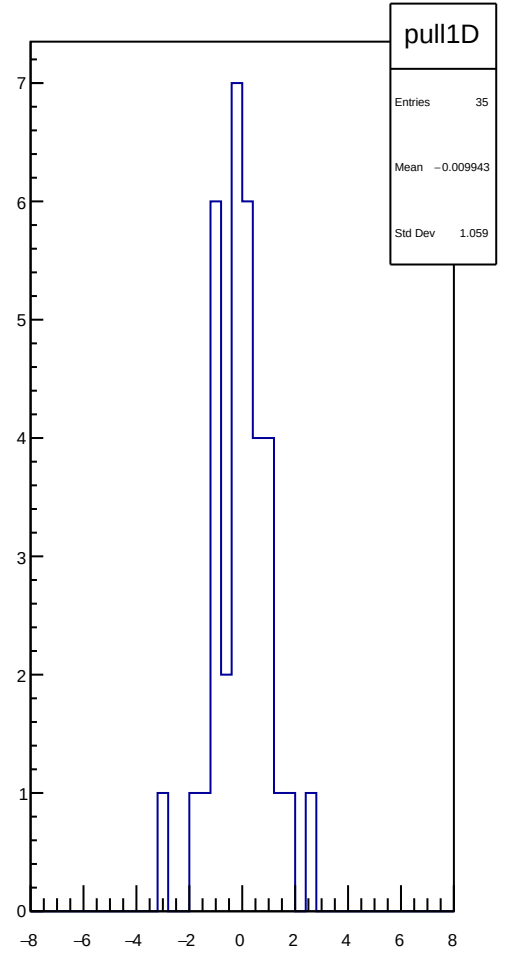

pull1D
Entries 35
Mean 0.01708
Std Dev 1.133
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

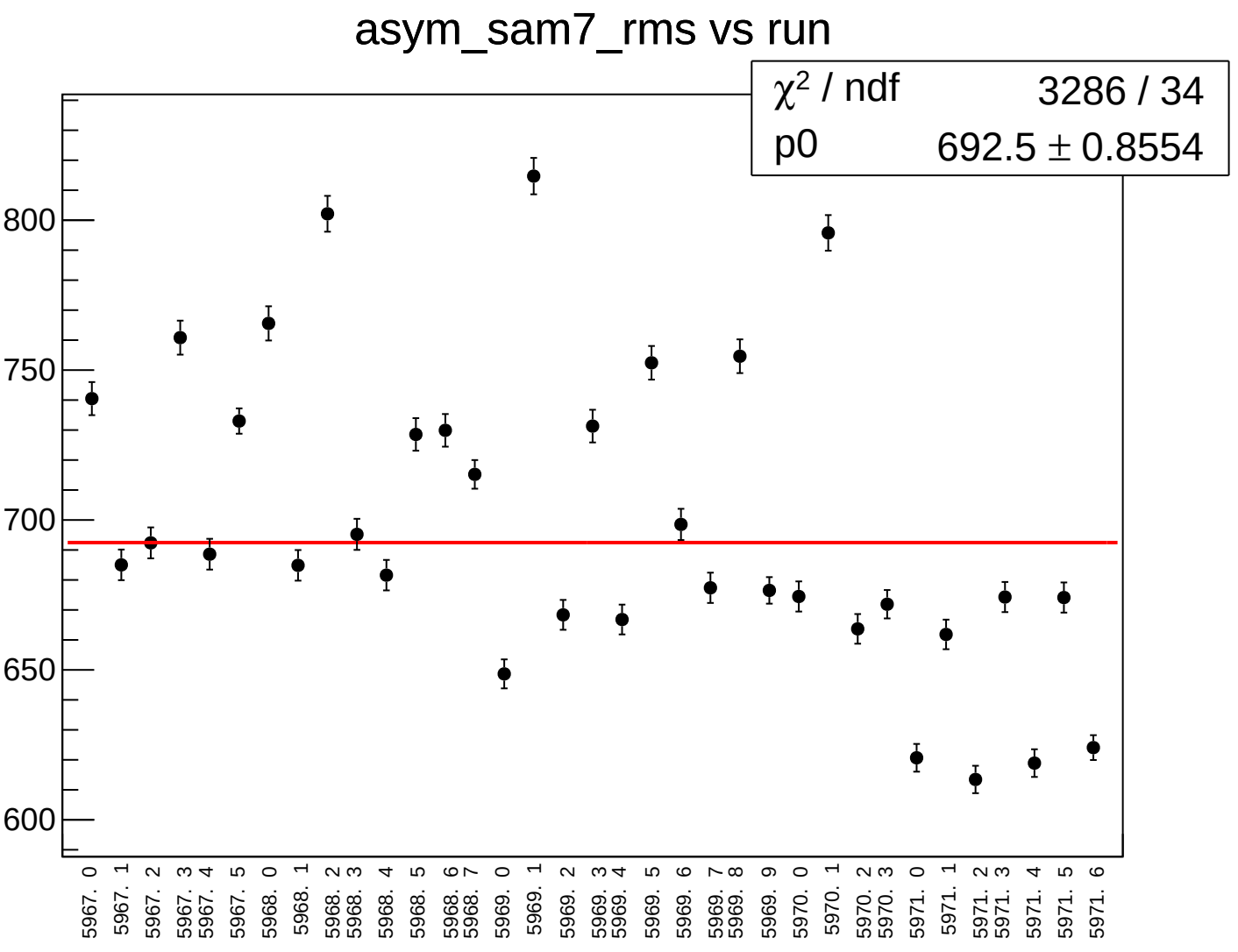

dit_asym_sam7_rms vs run
χ² / ndf 332.1 / 34
p0 61.98 ± 0.07639
70
68
66
64
62
60
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

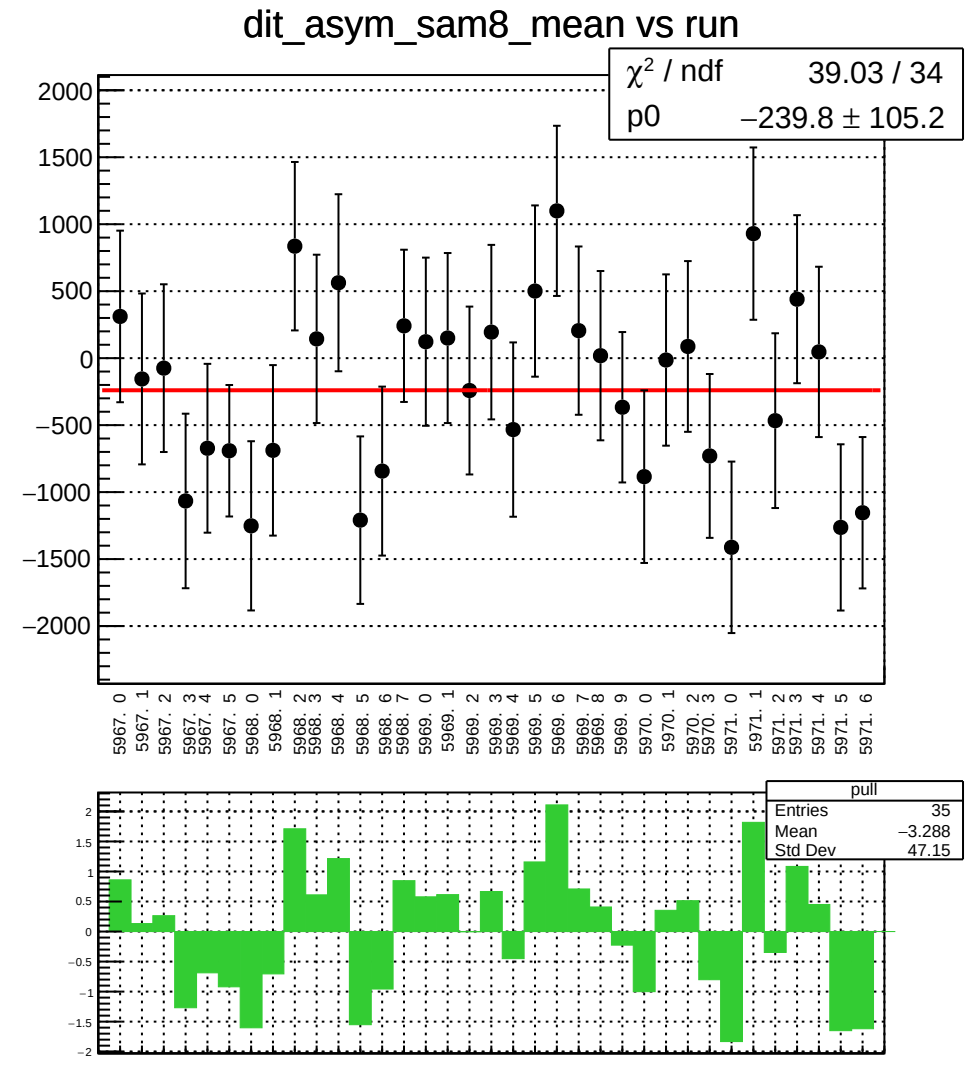

asym_sam7_correction_mean vs run
χ² / ndf 38.16 / 34
p0 −1538 ± 1214
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 56.49
Std Dev 52.42
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.01073
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

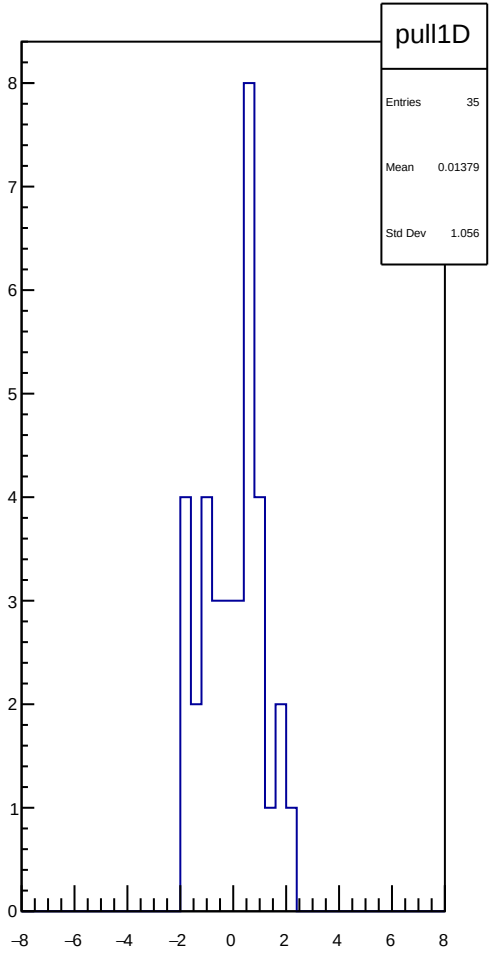

asym_sam7_correction_rms vs run
χ² / ndf 3313 / 34
p0 695.1 ± 0.8587
800
750
700
650
600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

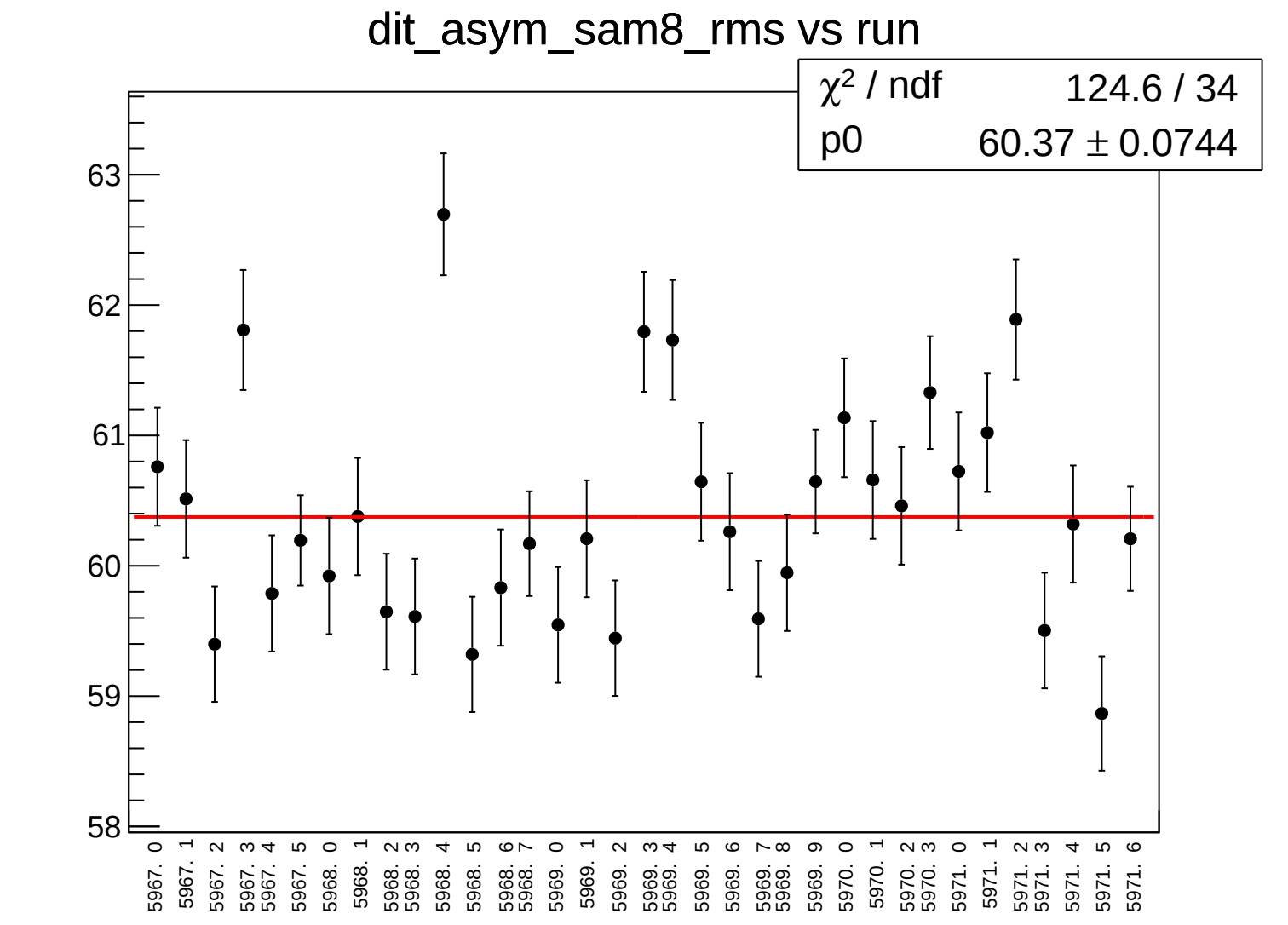

asym_sam7_mean vs run
χ² / ndf 39.24 / 34
p0 1443 ± 1210
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 67.14
Std Dev 61.82
3
2
1
0
−1
−2
−3

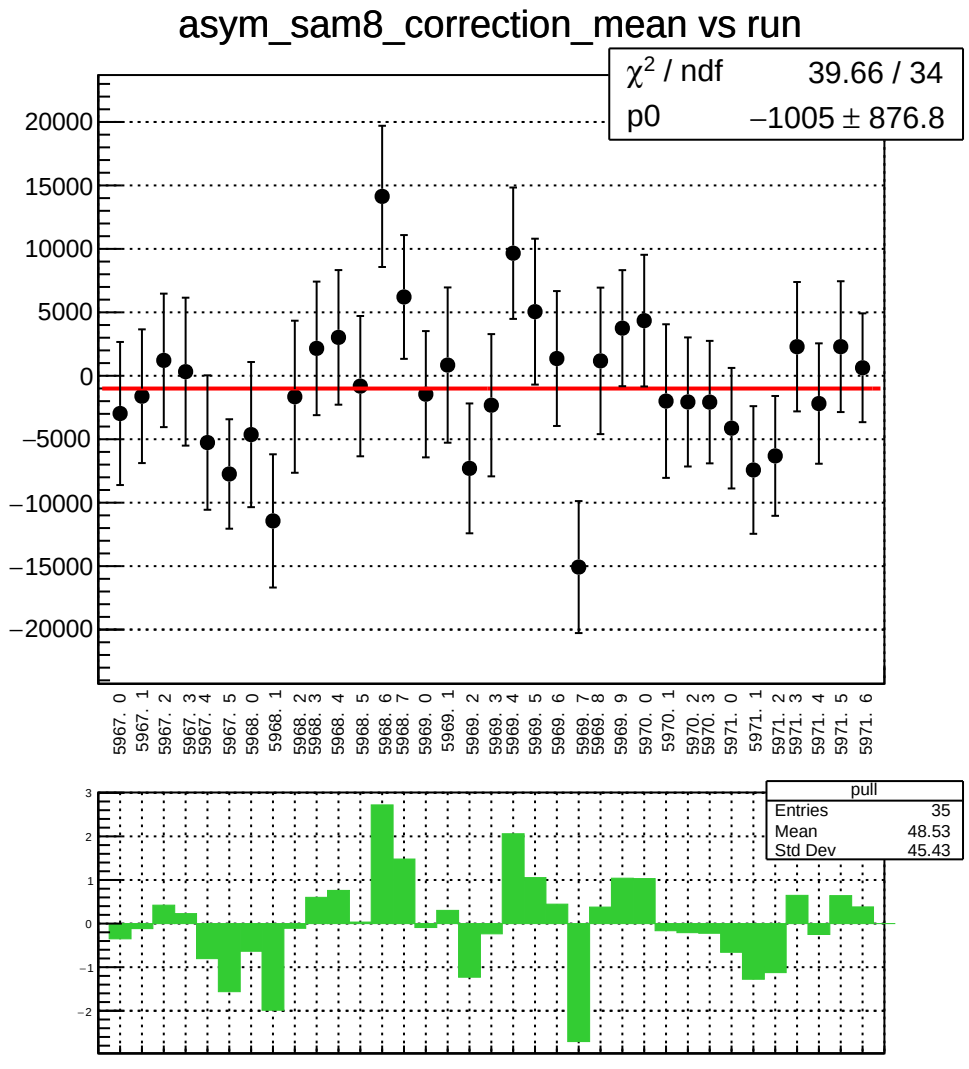

pull1D
Entries 35
Mean −0.009943
Std Dev 1.059
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

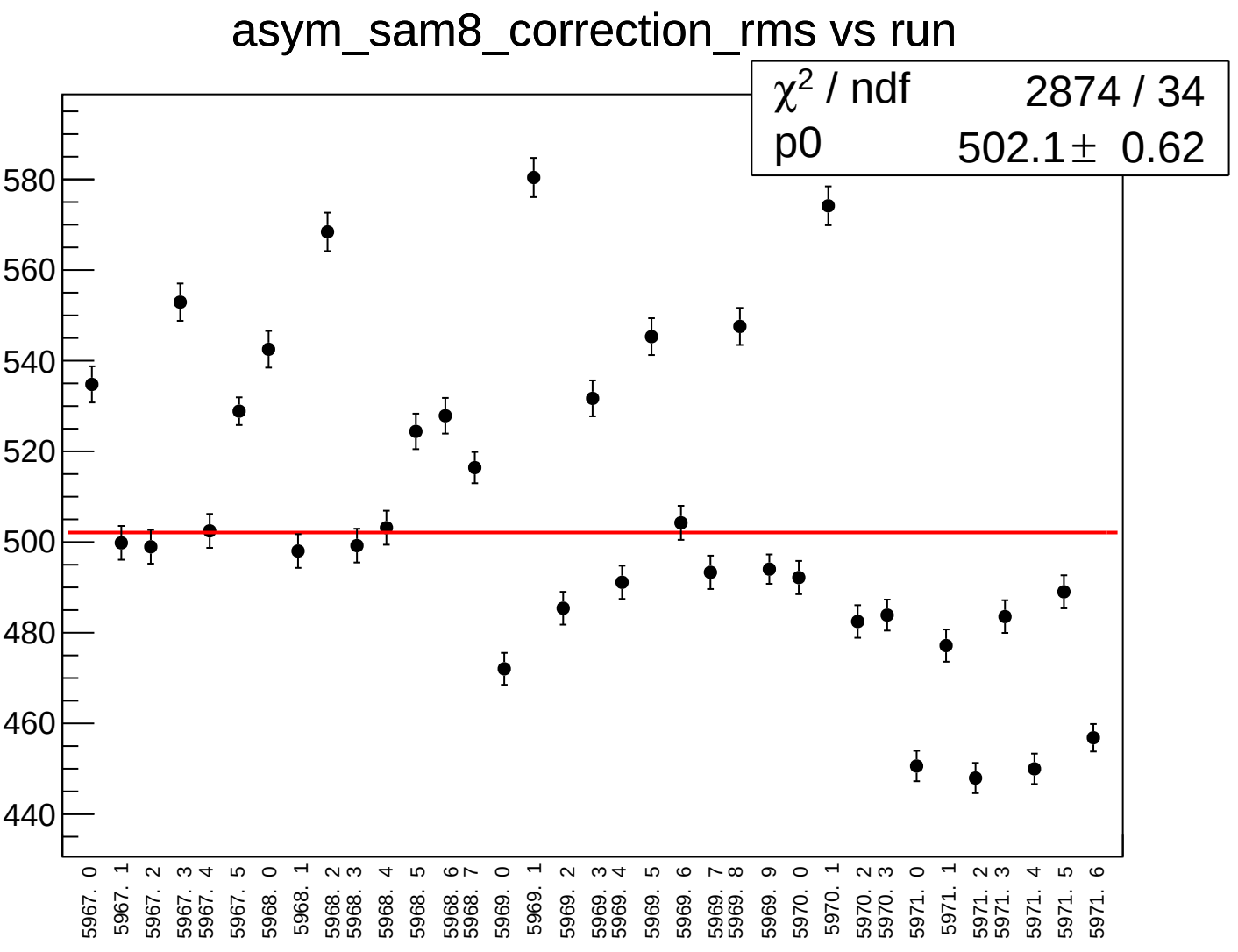

asym_sam7_rms vs run
χ² / ndf 3286 / 34
p0 692.5 ± 0.8554
800
750
700
650
600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

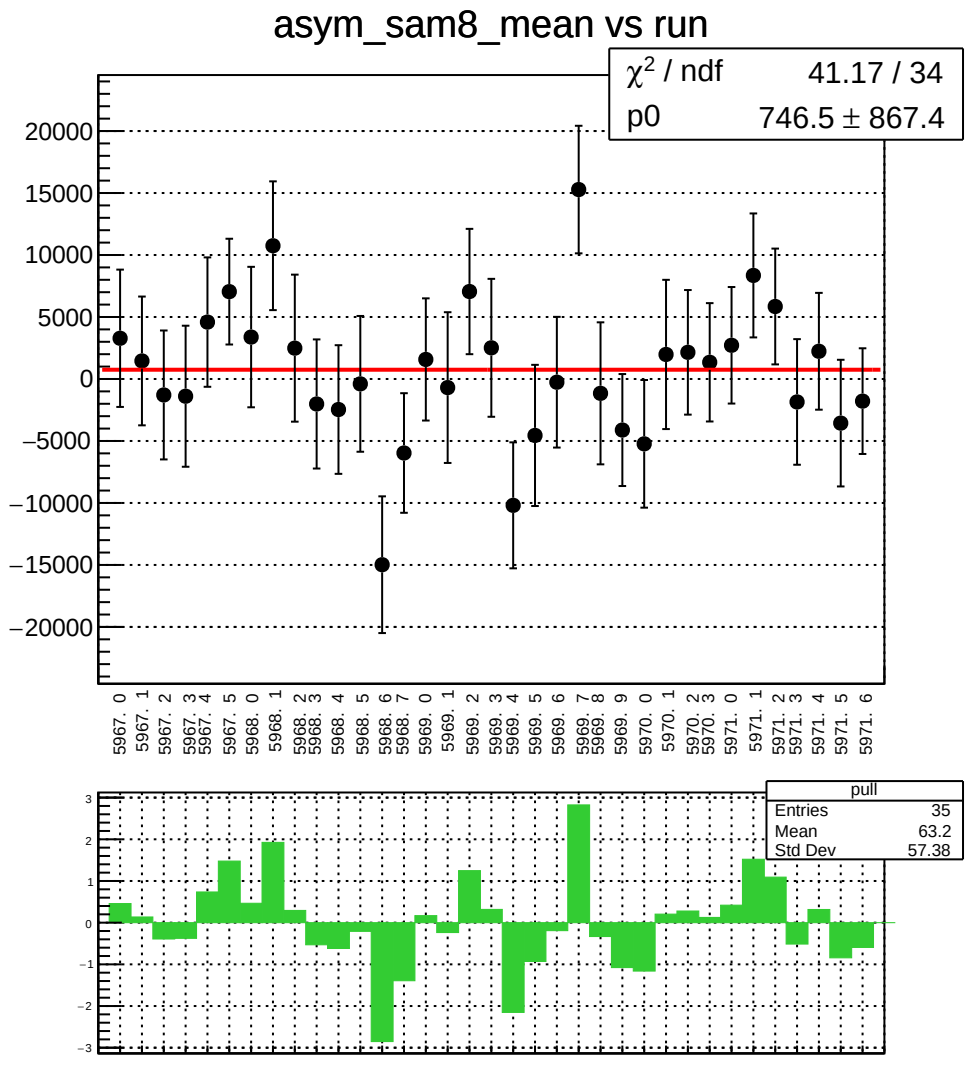

dit_asym_sam8_mean vs run
χ² / ndf 39.03 / 34
p0 −239.8 ± 105.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −3.288
Std Dev 47.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

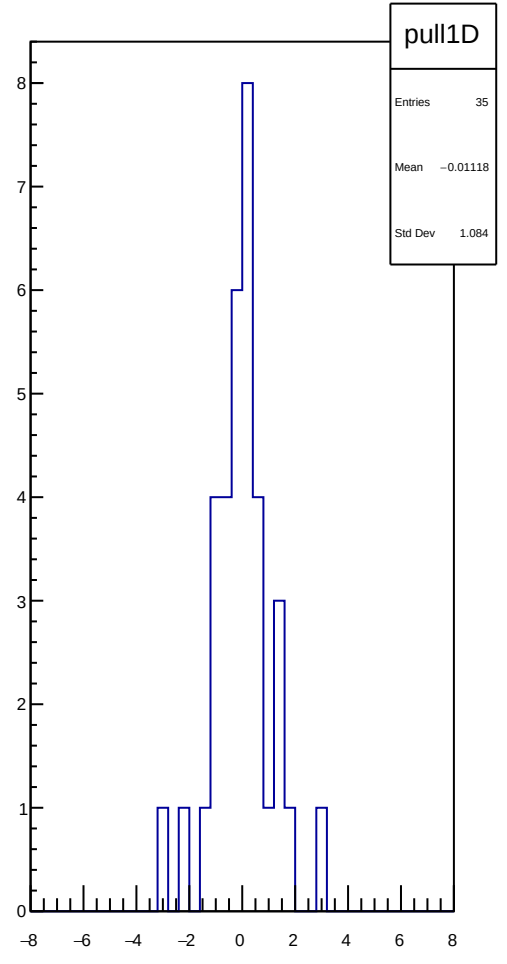

pull1D
Entries 35
Mean 0.01379
Std Dev 1.056
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

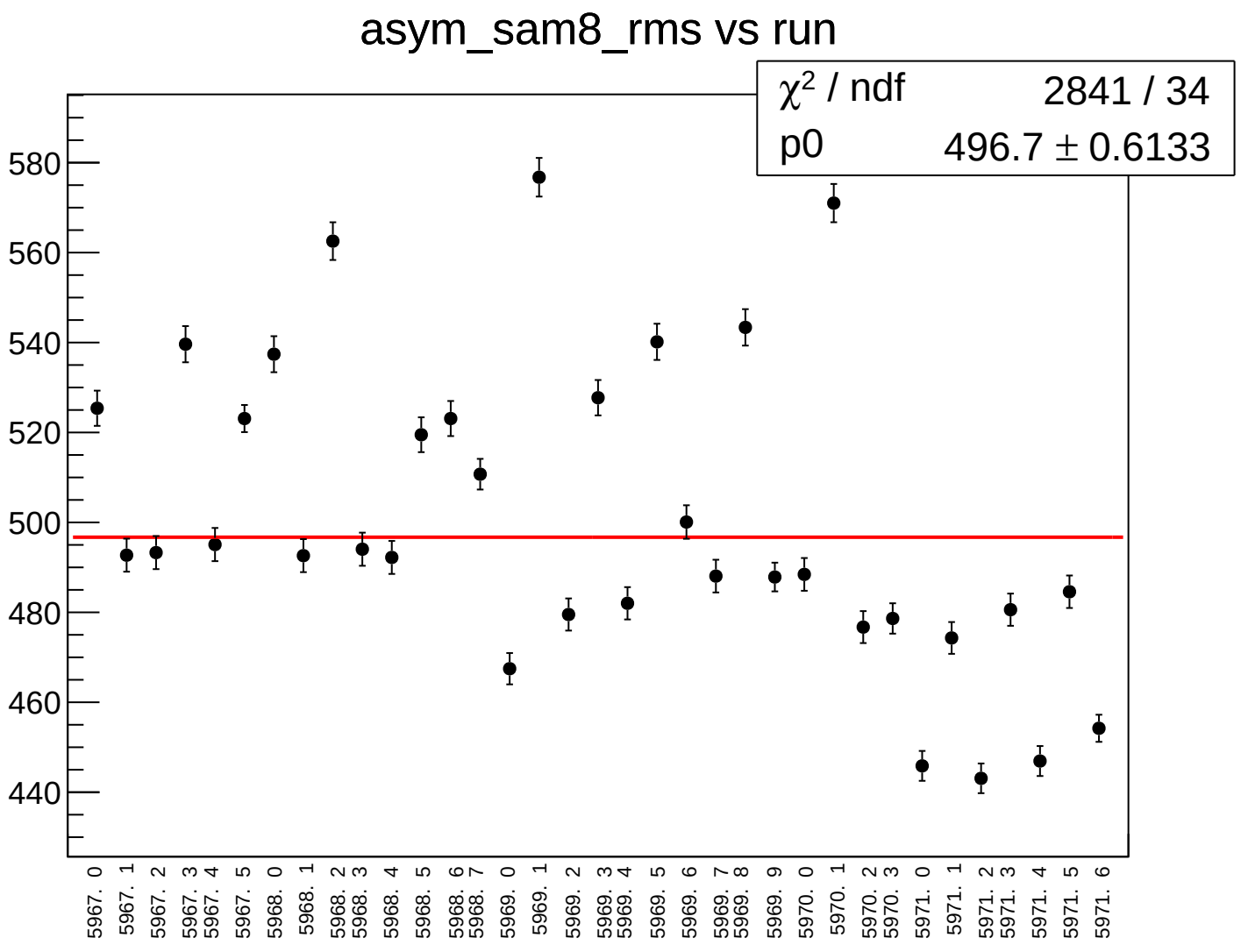

dit_asym_sam8_rms vs run
χ² / ndf 124.6 / 34
p0 60.37 ± 0.0744
63
62
61
60
59
58
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

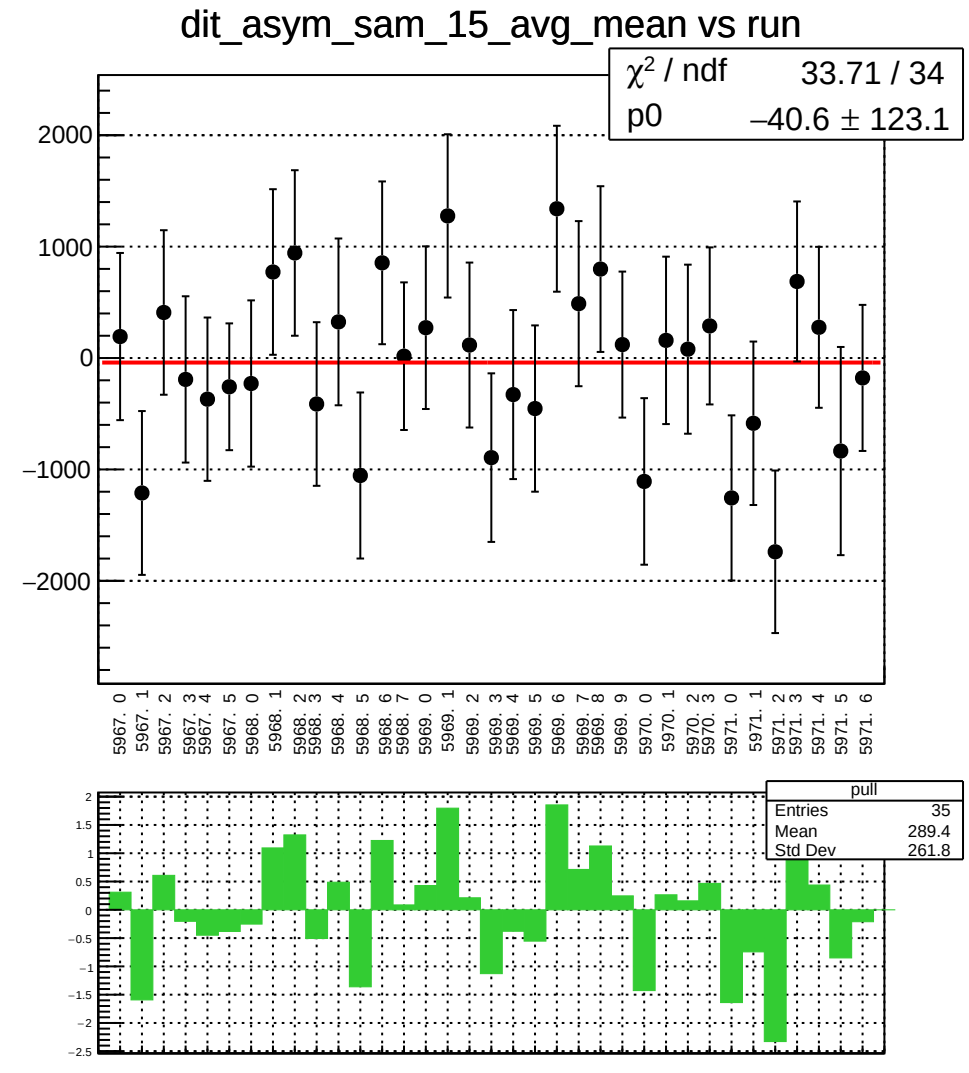

asym_sam8_correction_mean vs run
χ² / ndf 39.66 / 34
p0 −1005 ± 876.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 48.53
Std Dev 45.43
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.01456
Std Dev 1.064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

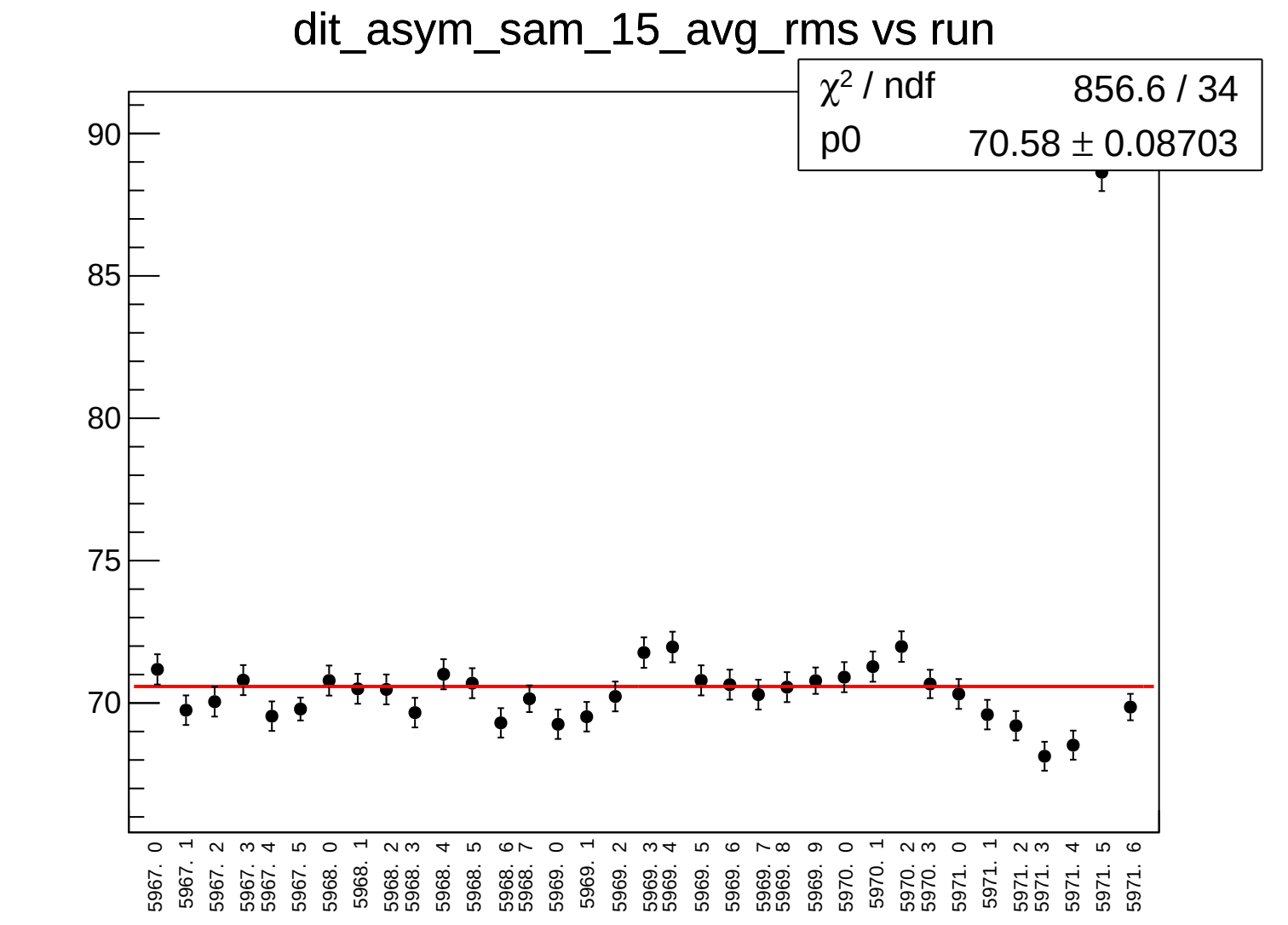

asym_sam8_correction_rms vs run
χ² / ndf 2874 / 34
p0 502.1 ± 0.62
580
560
540
520
500
480
460
440
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

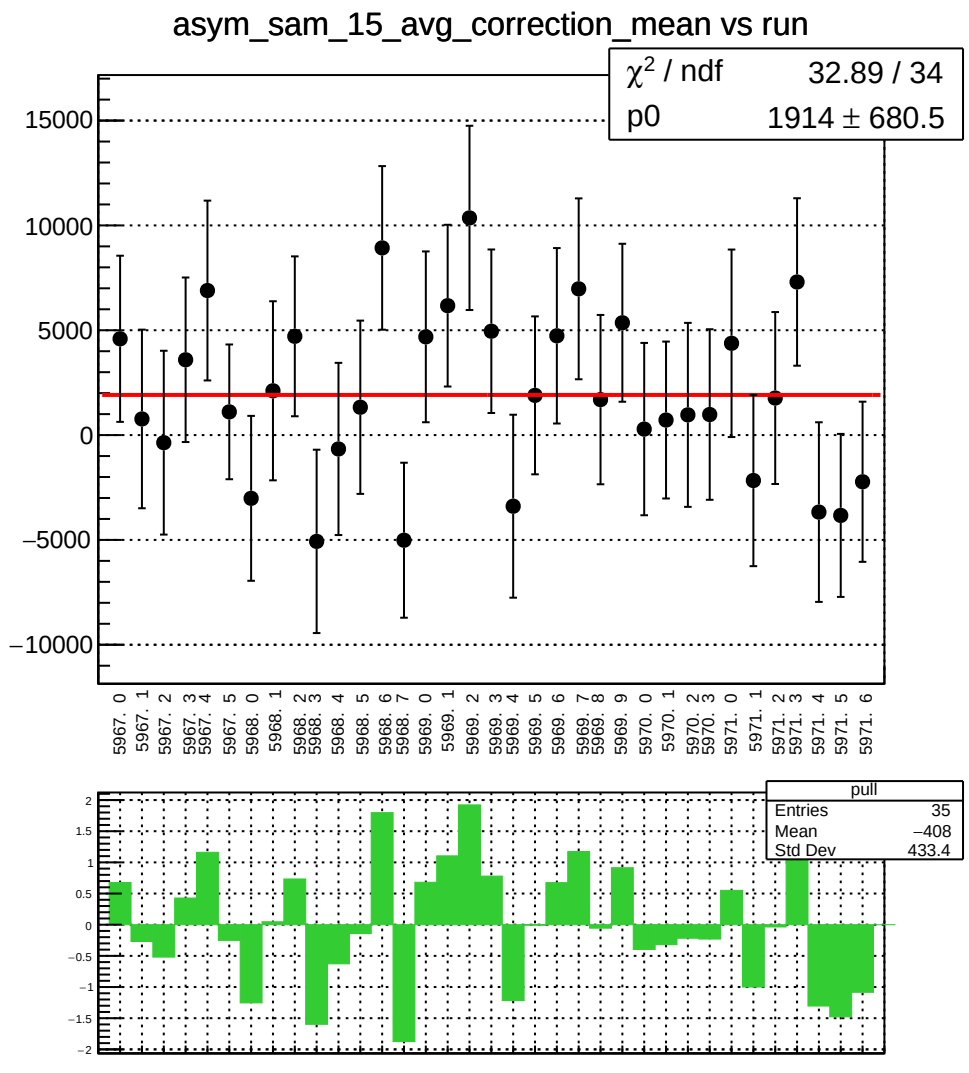

asym_sam8_mean vs run
χ² / ndf 41.17 / 34
p0 746.5 ± 867.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 63.2
Std Dev 57.38
3
2
1
0
−1
−2
−3

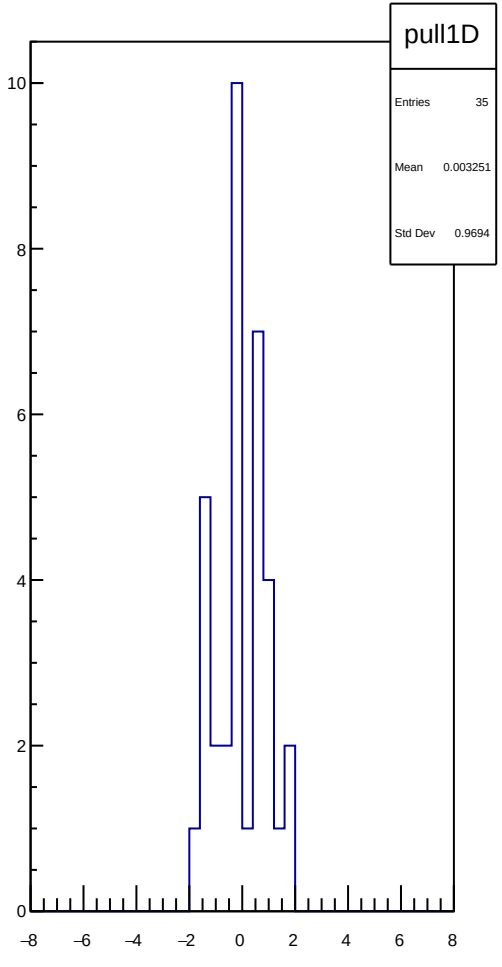

pull1D
Entries 35
Mean −0.01118
Std Dev 1.084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

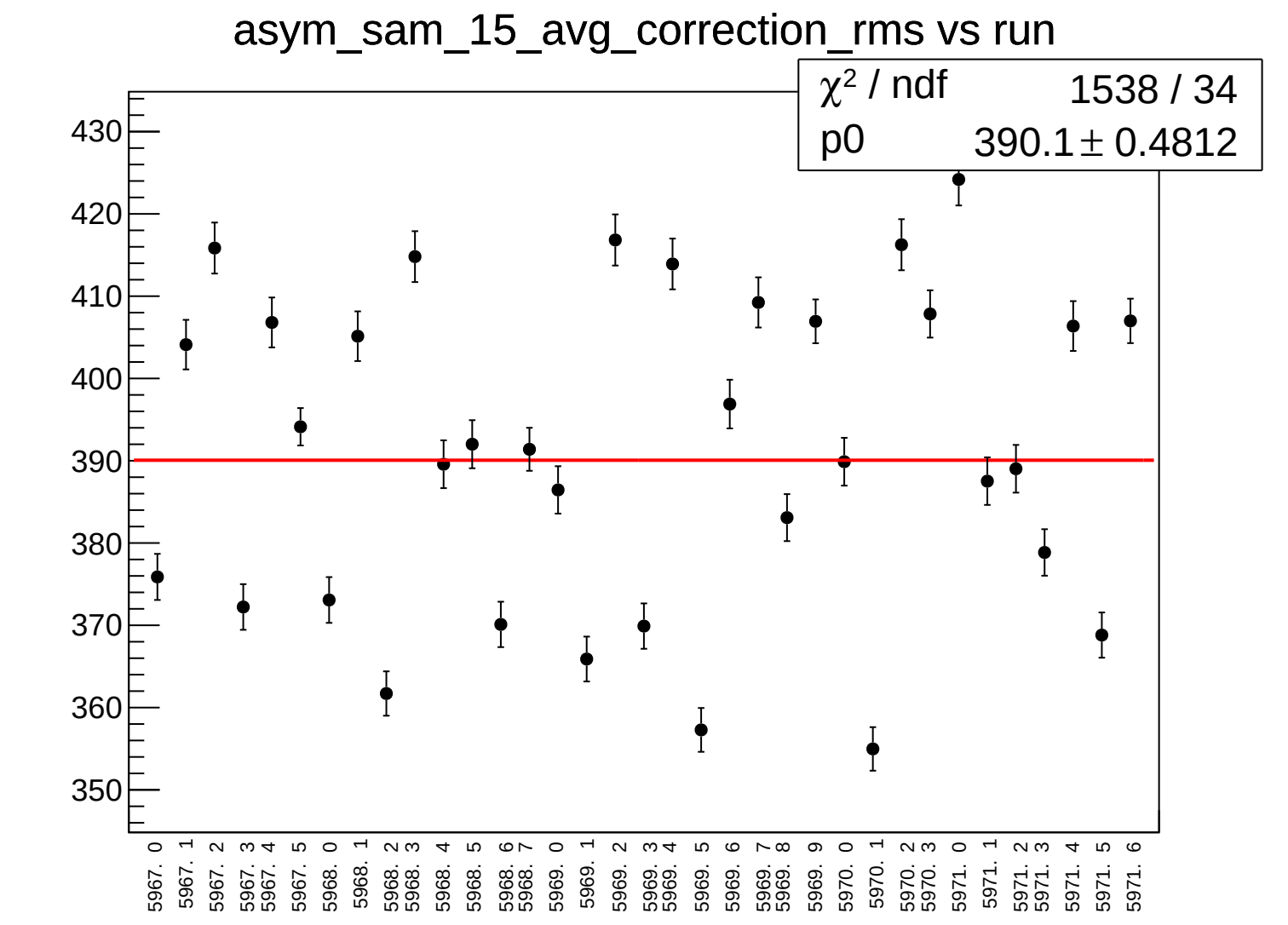

asym_sam8_rms vs run
χ² / ndf 2841 / 34
p0 496.7 ± 0.6133
580
560
540
520
500
480
460
440
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

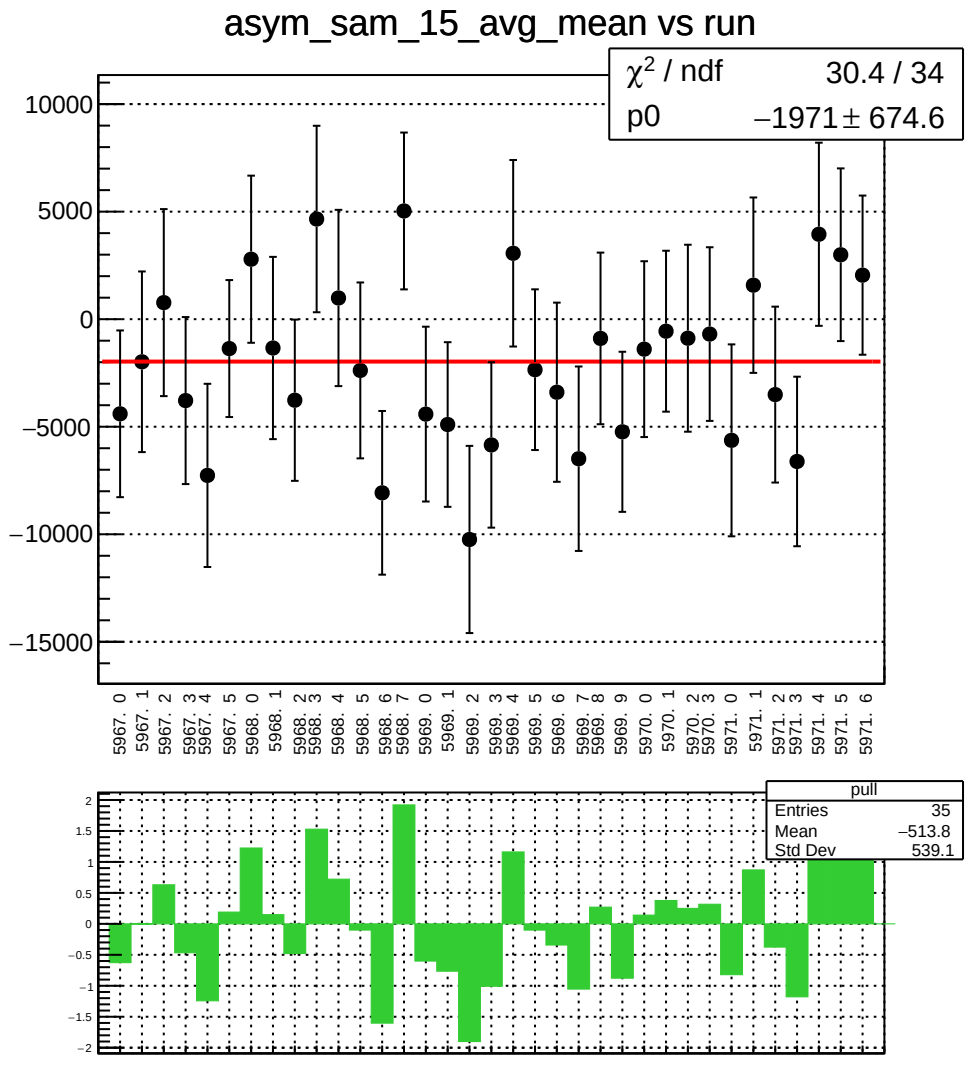

dit_asym_sam_15_avg_mean vs run
χ² / ndf 33.71 / 34
p0 −40.6 ± 123.1
2000
1000
0
−1000
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 289.4
Std Dev 261.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean −0.004193
Std Dev 0.9814
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

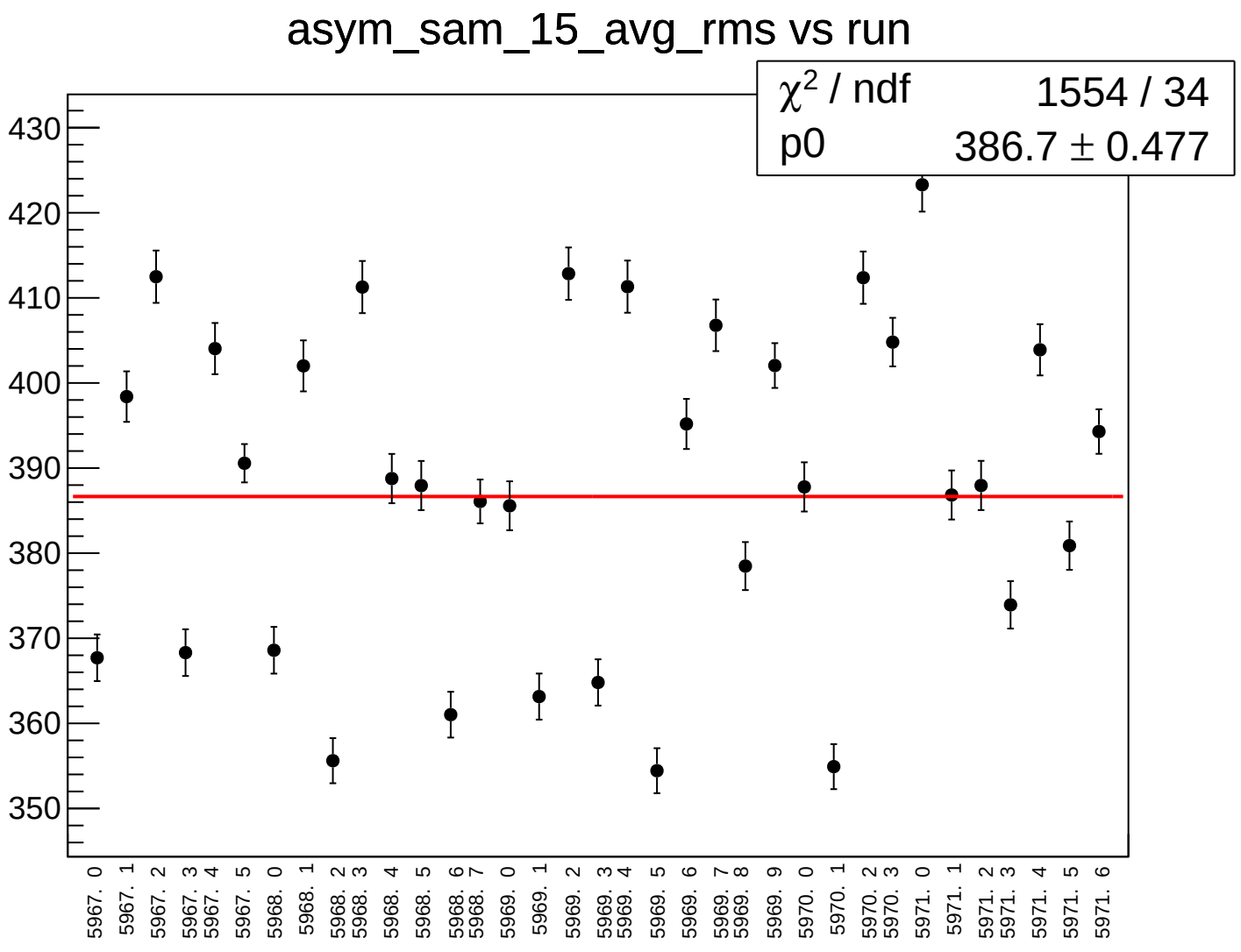

dit_asym_sam_15_avg_rms vs run
χ² / ndf 856.6 / 34
p0 70.58 ± 0.08703
90
85
80
75
70
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

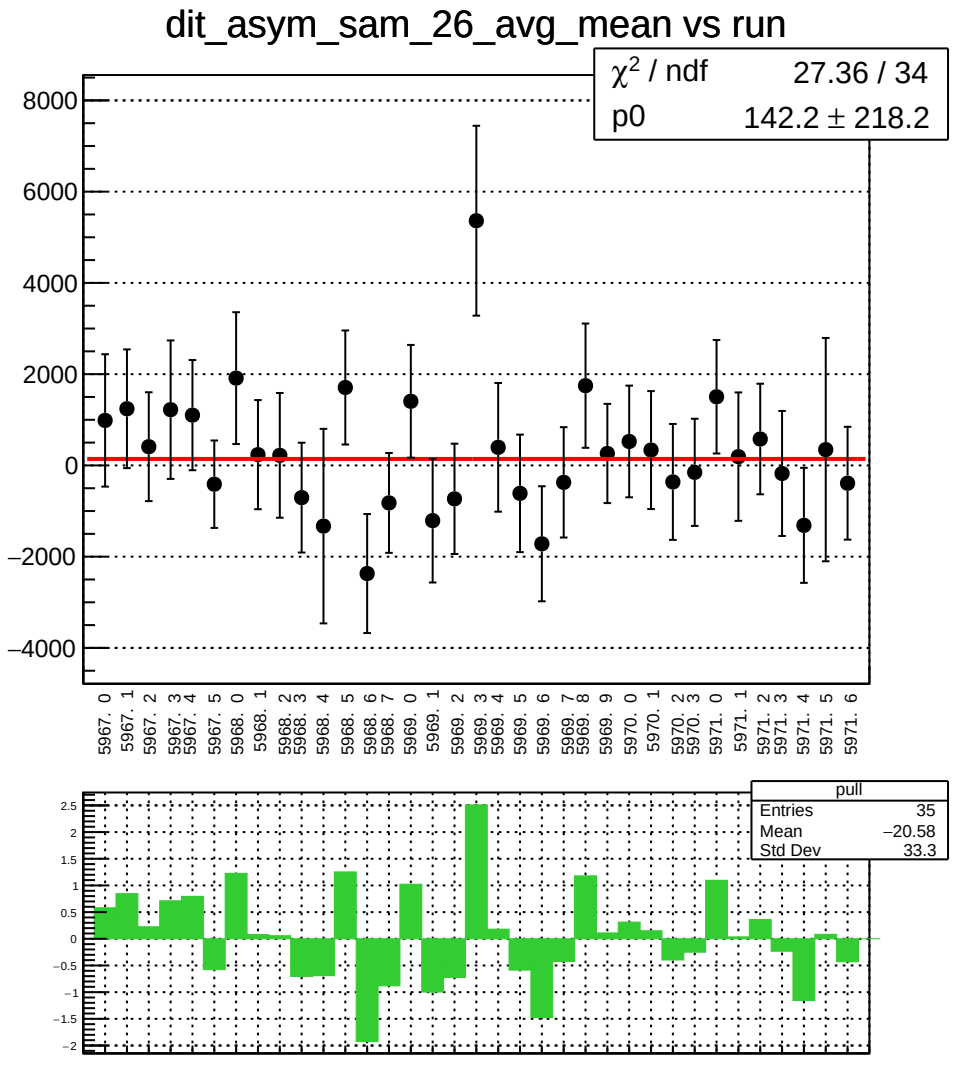

asym_sam_15_avg_correction_mean vs run
χ² / ndf 32.89 / 34
p0 1914 ± 680.5
15000
10000
5000
0
−5000
−10000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −408
Std Dev 433.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

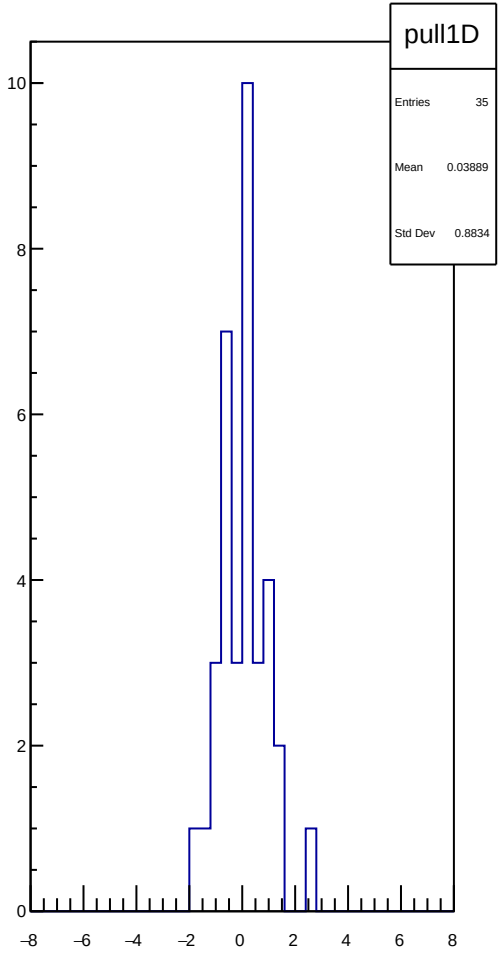

pull1D
Entries 35
Mean 0.003251
Std Dev 0.9694
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

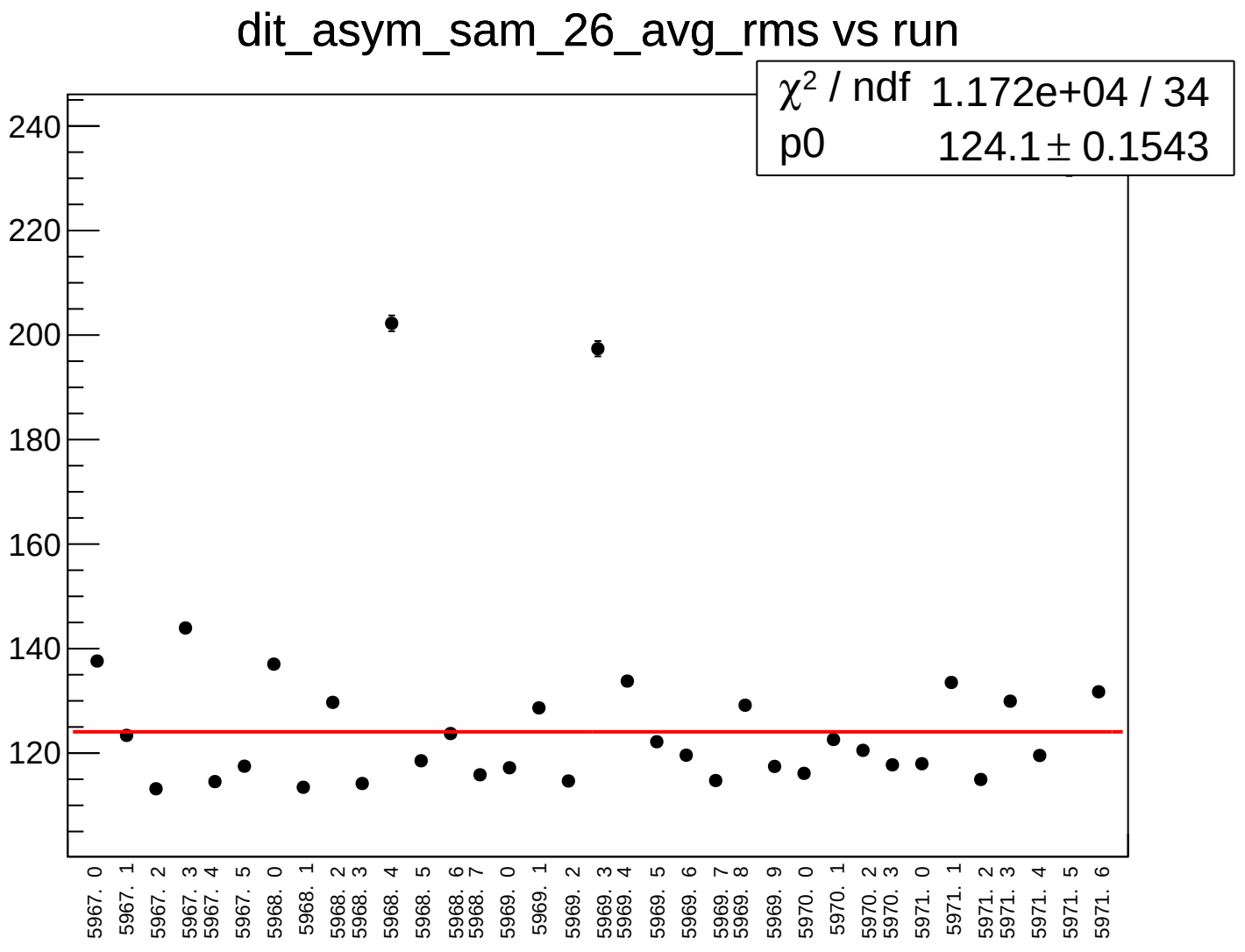

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1538 / 34
p0 390.1 ± 0.4812
430
420
410
400
390
380
370
360
350
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

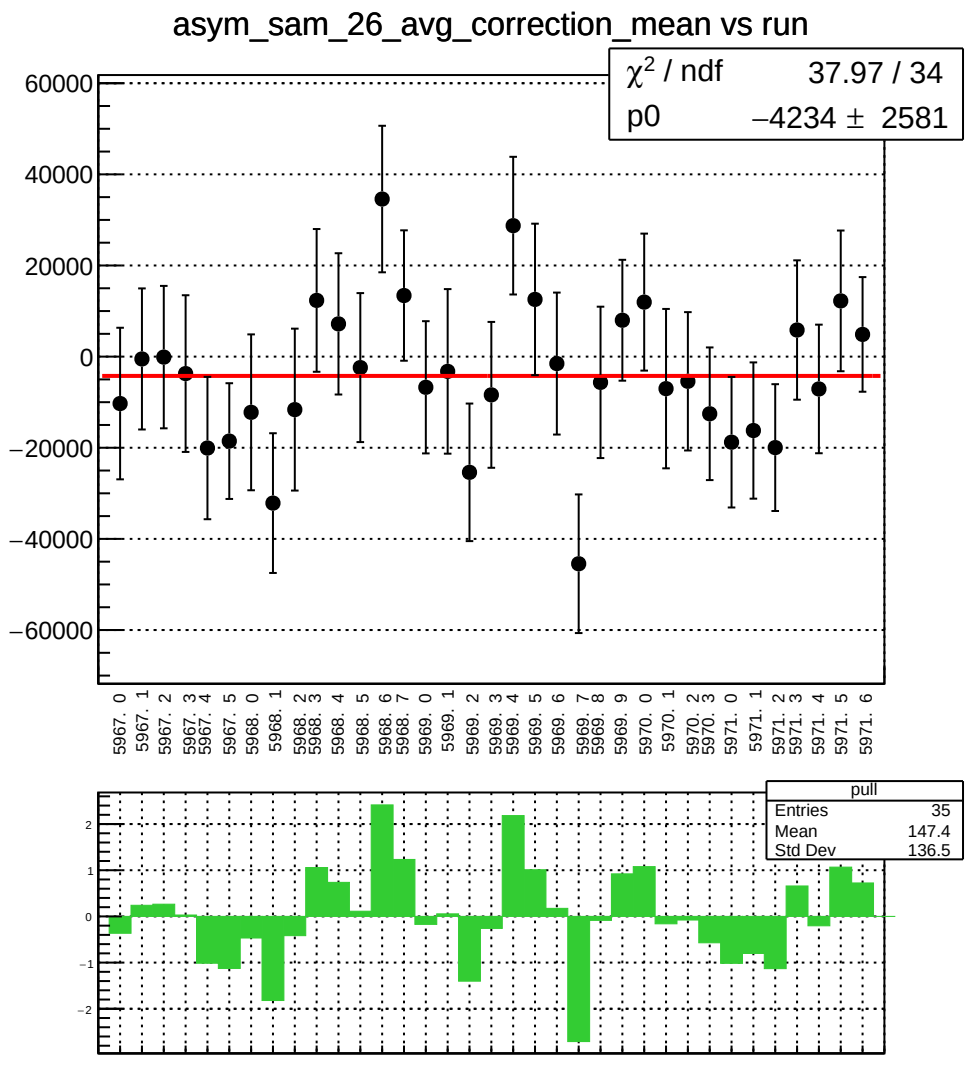

asym_sam_15_avg_mean vs run
χ² / ndf 30.4 / 34
p0 −1971 ± 674.6
10000
5000
0
−5000
−10000
−15000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −513.8
Std Dev 539.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.002166
Std Dev 0.932
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

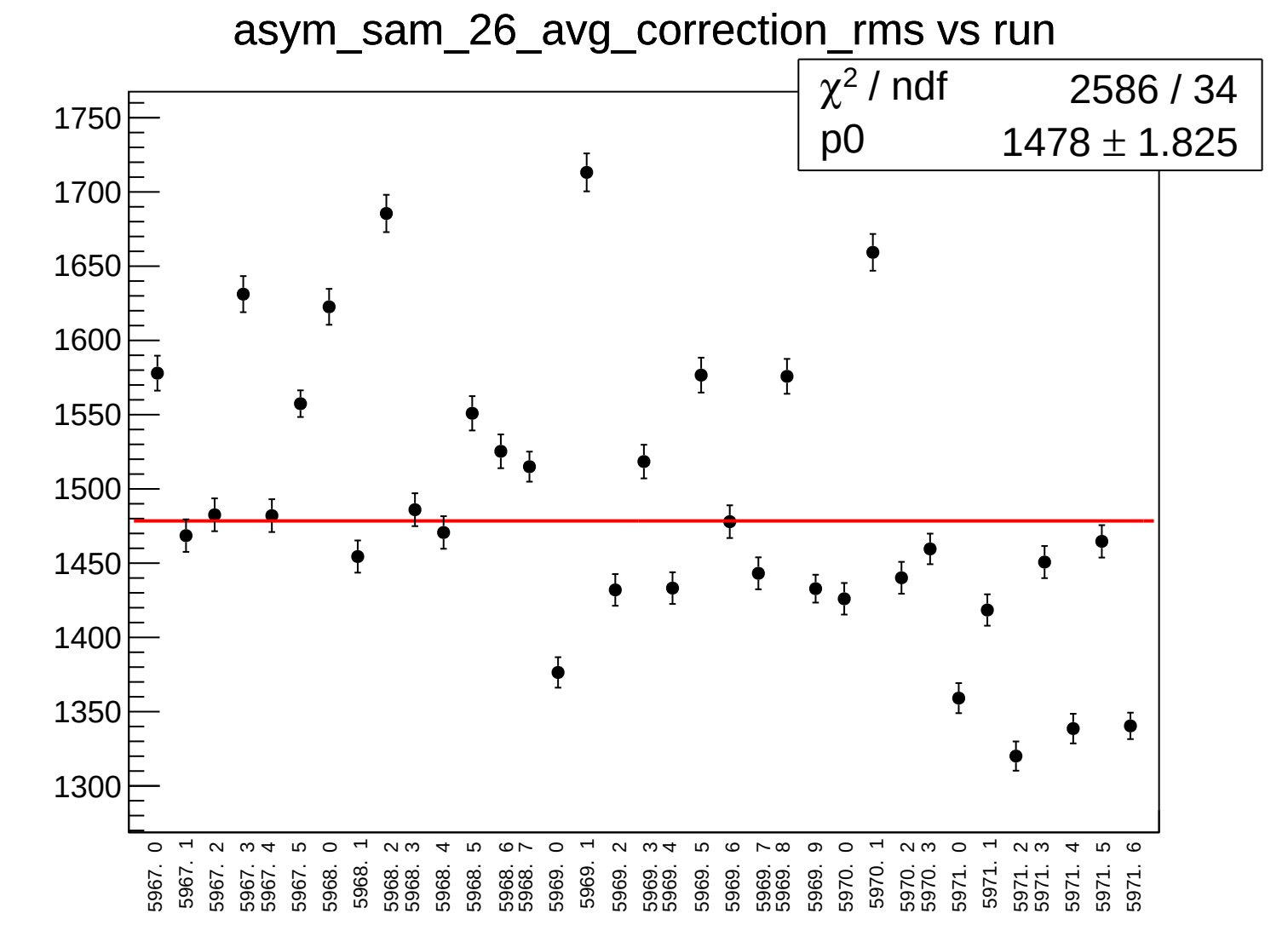

asym_sam_15_avg_rms vs run
χ² / ndf 1554 / 34
p0 386.7 ± 0.477
430
420
410
400
390
380
370
360
350
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

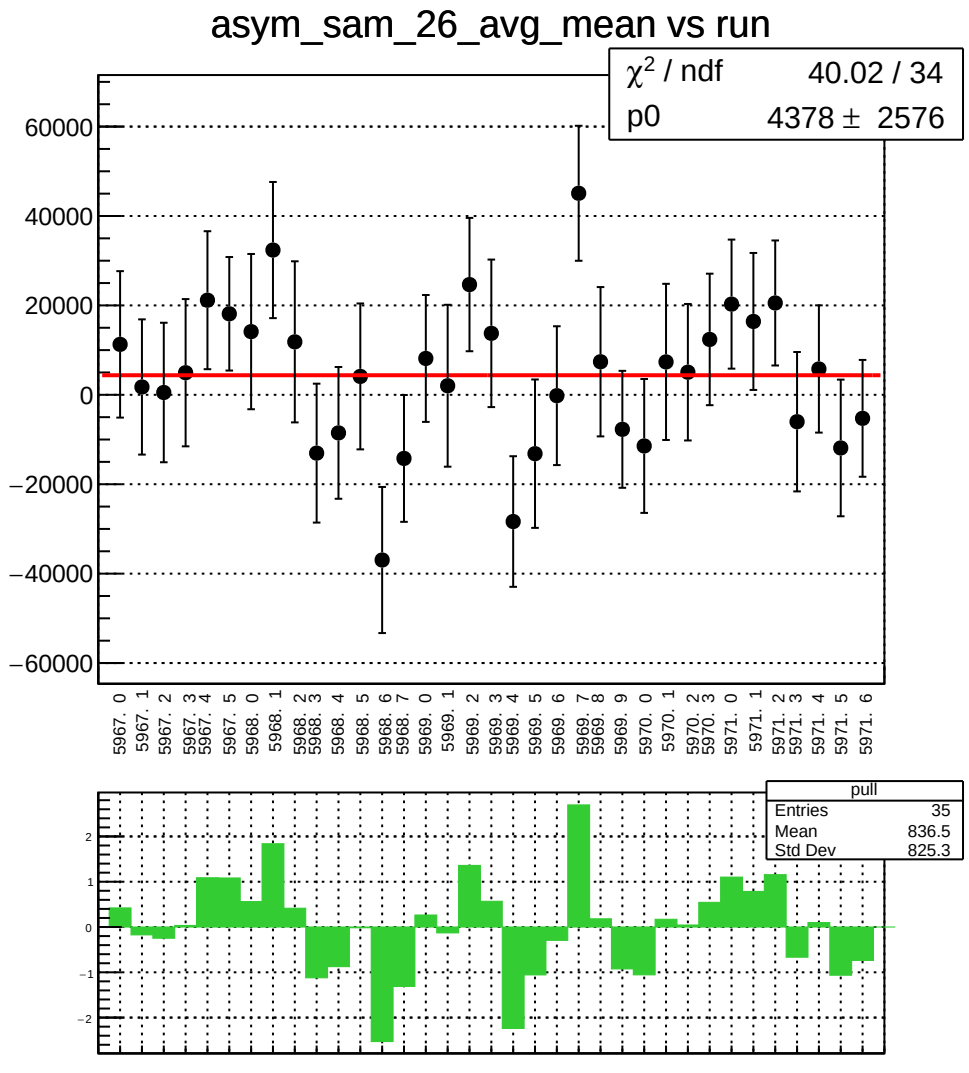

dit_asym_sam_26_avg_mean vs run
χ² / ndf 27.36 / 34
p0 142.2 ± 218.2
8000
6000
4000
2000
0
−2000
−4000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −20.58
Std Dev 33.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

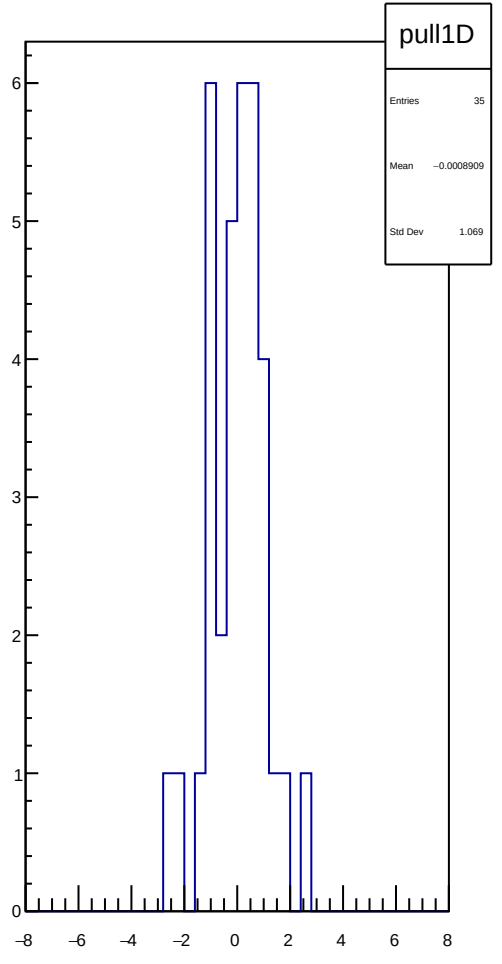

pull1D
Entries 35
Mean 0.03889
Std Dev 0.8834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

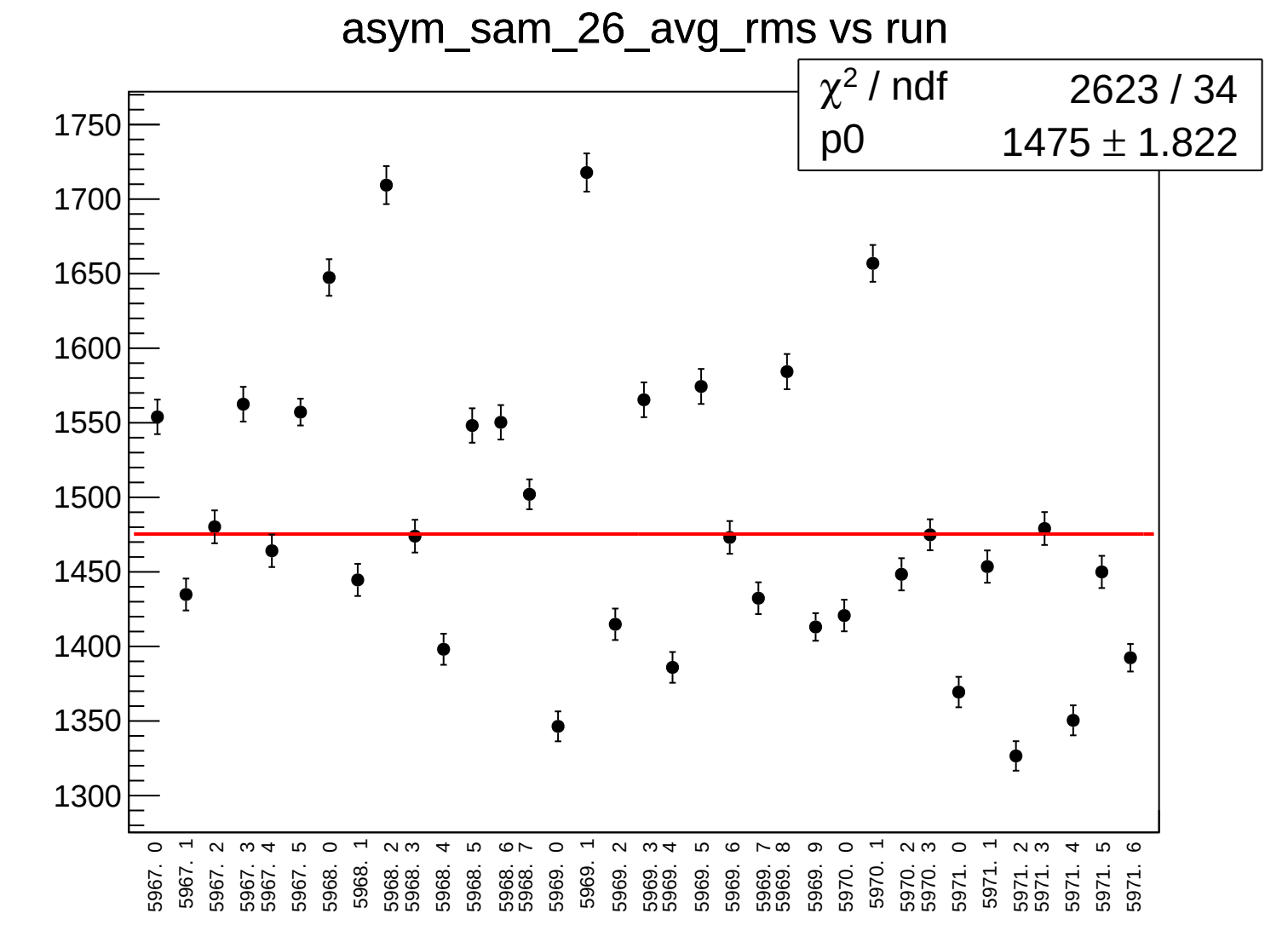

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.172e+04 / 34
p0 124.1 ± 0.1543
240
220
200
180
160
140
120
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

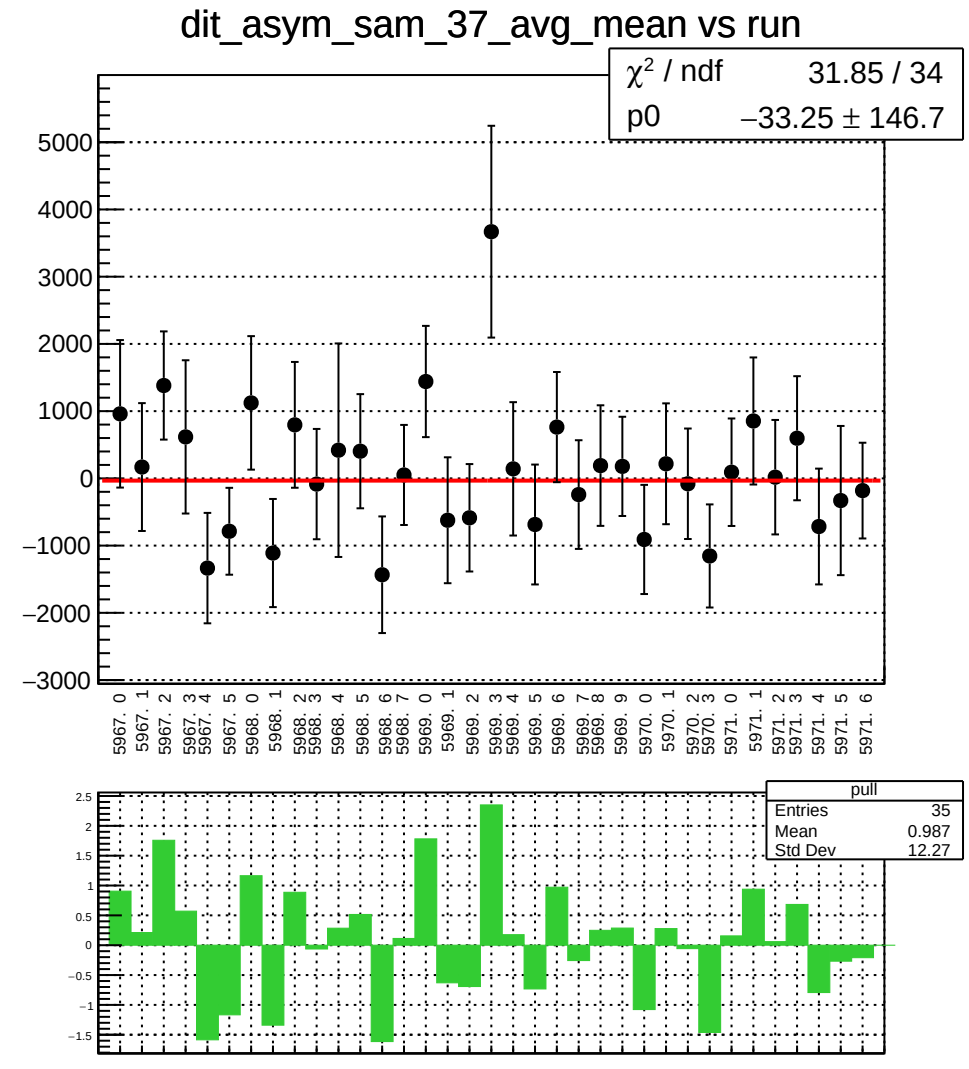

asym_sam_26_avg_correction_mean vs run
χ² / ndf 37.97 / 34
p0 −4234 ± 2581
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 147.4
Std Dev 136.5
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.004659
Std Dev 1.042
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

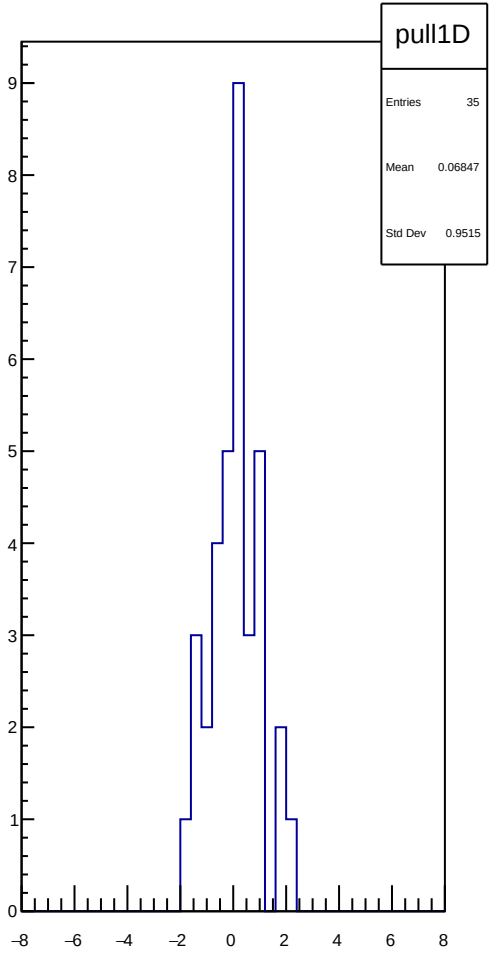

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2586 / 34
p0 1478 ± 1.825
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

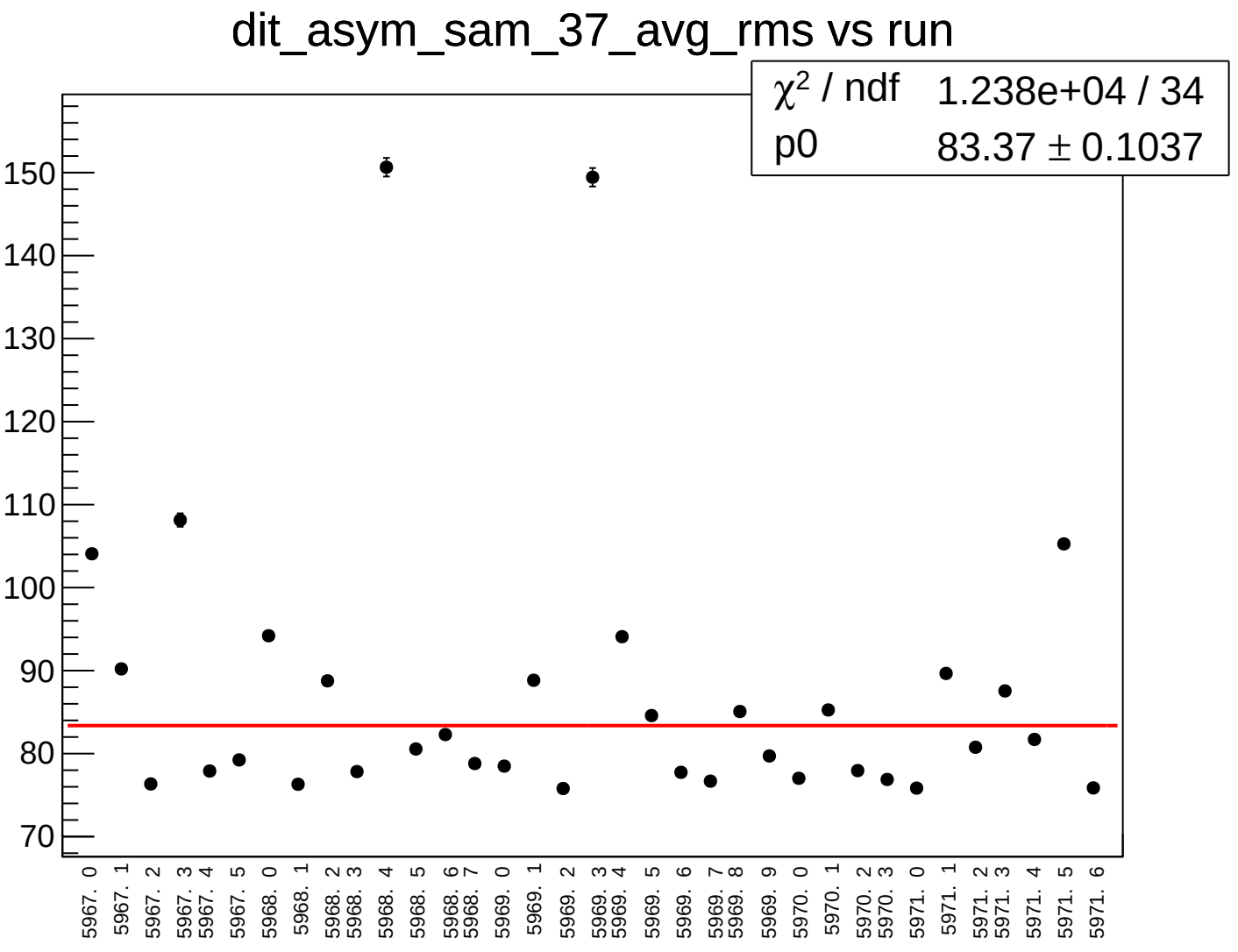

asym_sam_26_avg_mean vs run
χ² / ndf 40.02 / 34
p0 4378 ± 2576
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 836.5
Std Dev 825.3
2
1
0
−1
−2

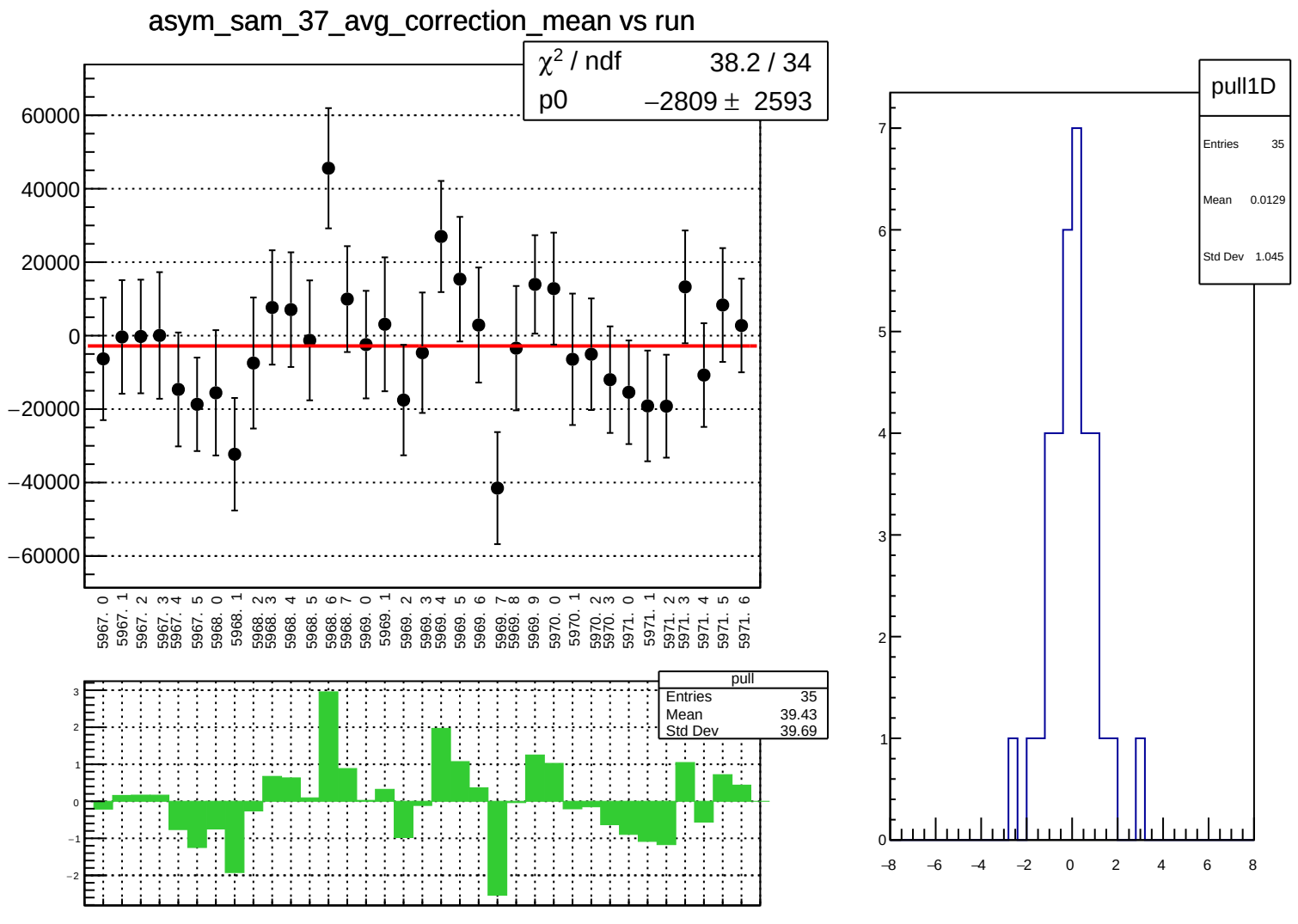

pull1D
Entries 35
Mean −0.0008909
Std Dev 1.069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

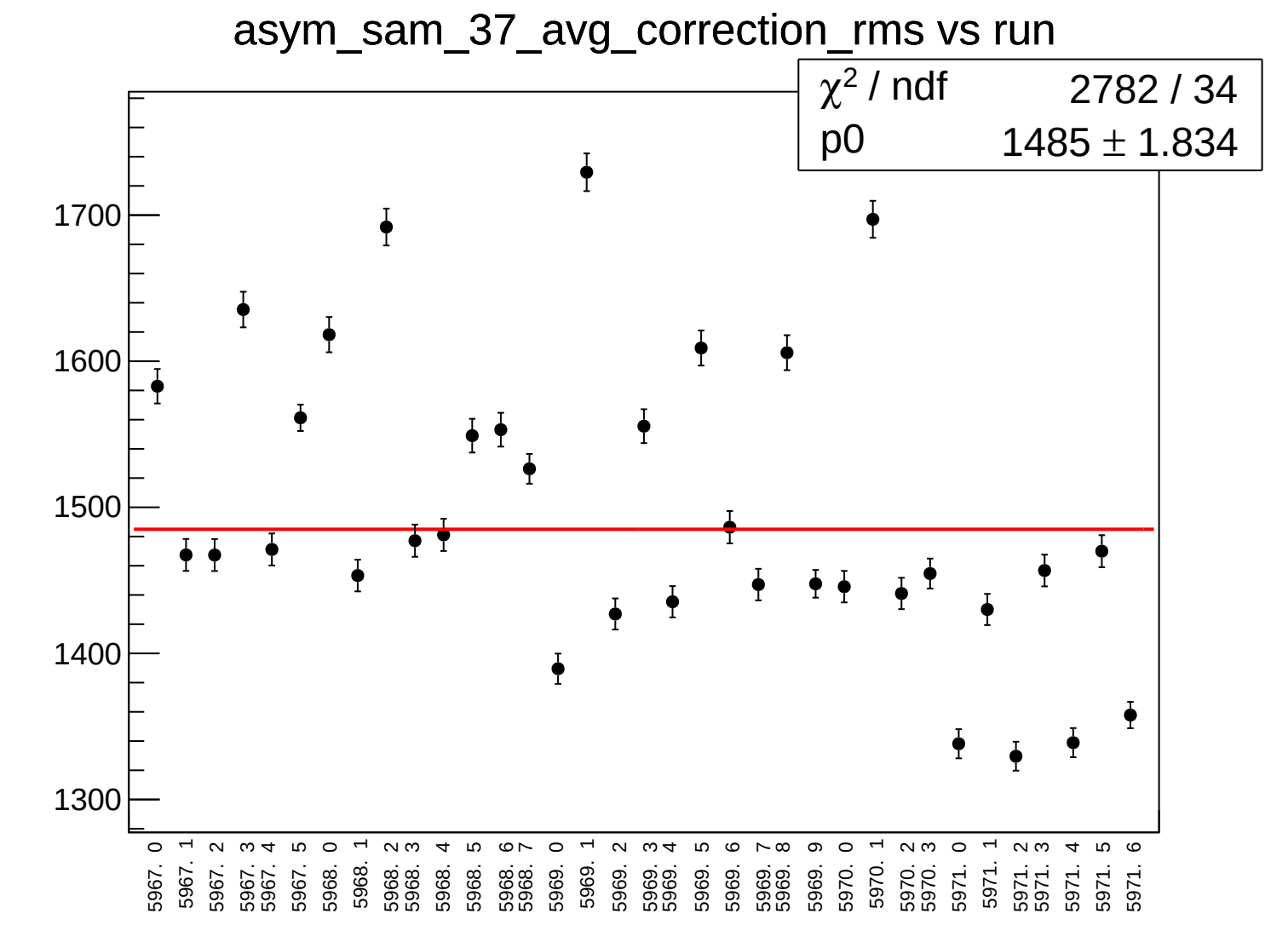

asym_sam_26_avg_rms vs run
χ² / ndf 2623 / 34
p0 1475 ± 1.822
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

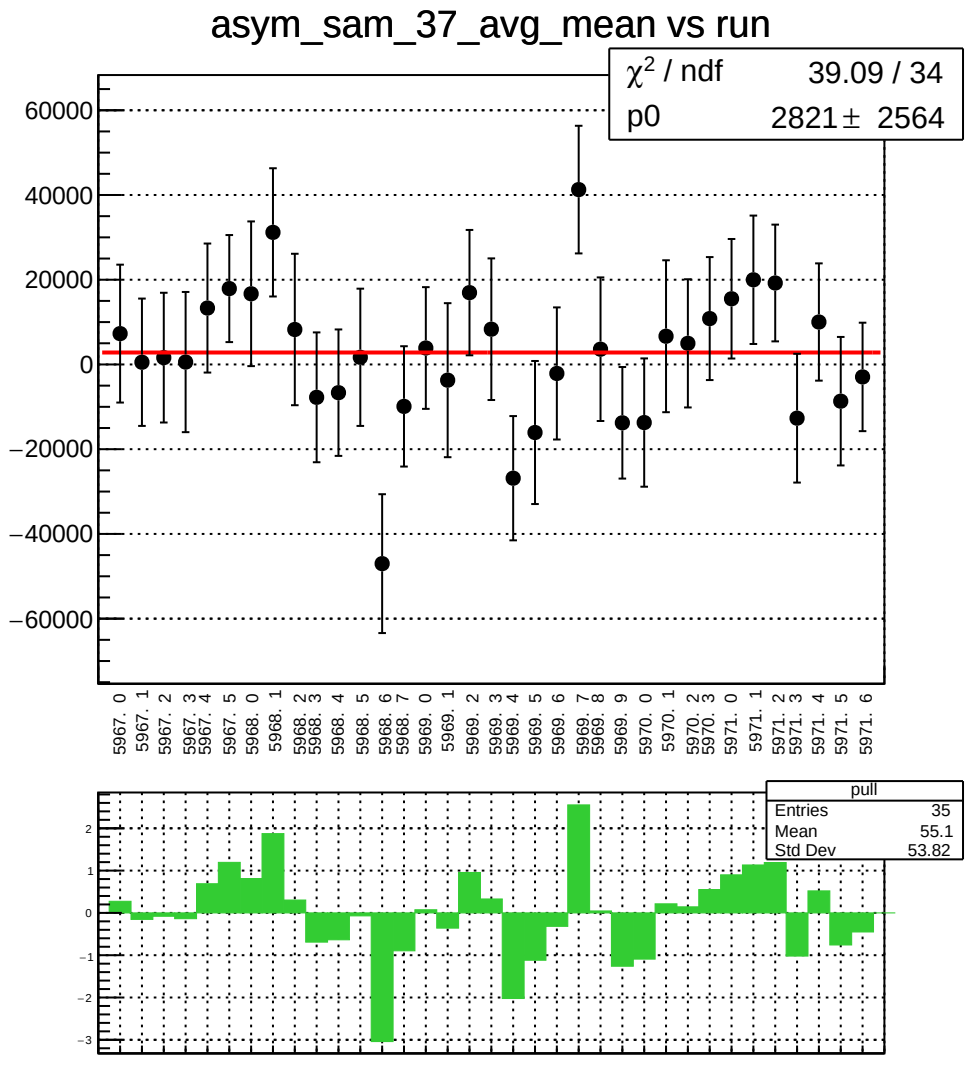

dit_asym_sam_37_avg_mean vs run
χ² / ndf 31.85 / 34
p0 −33.25 ± 146.7
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 0.987
Std Dev 12.27
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

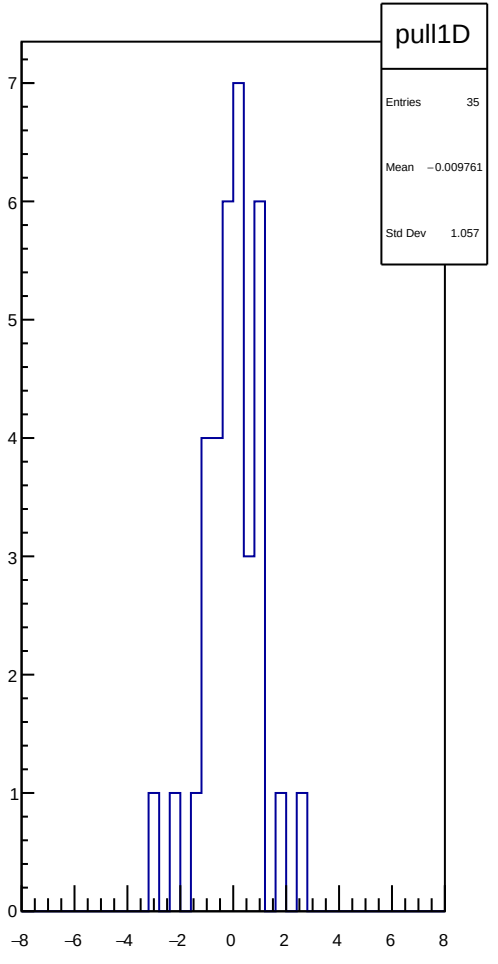

pull1D
Entries 35
Mean 0.06847
Std Dev 0.9515
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

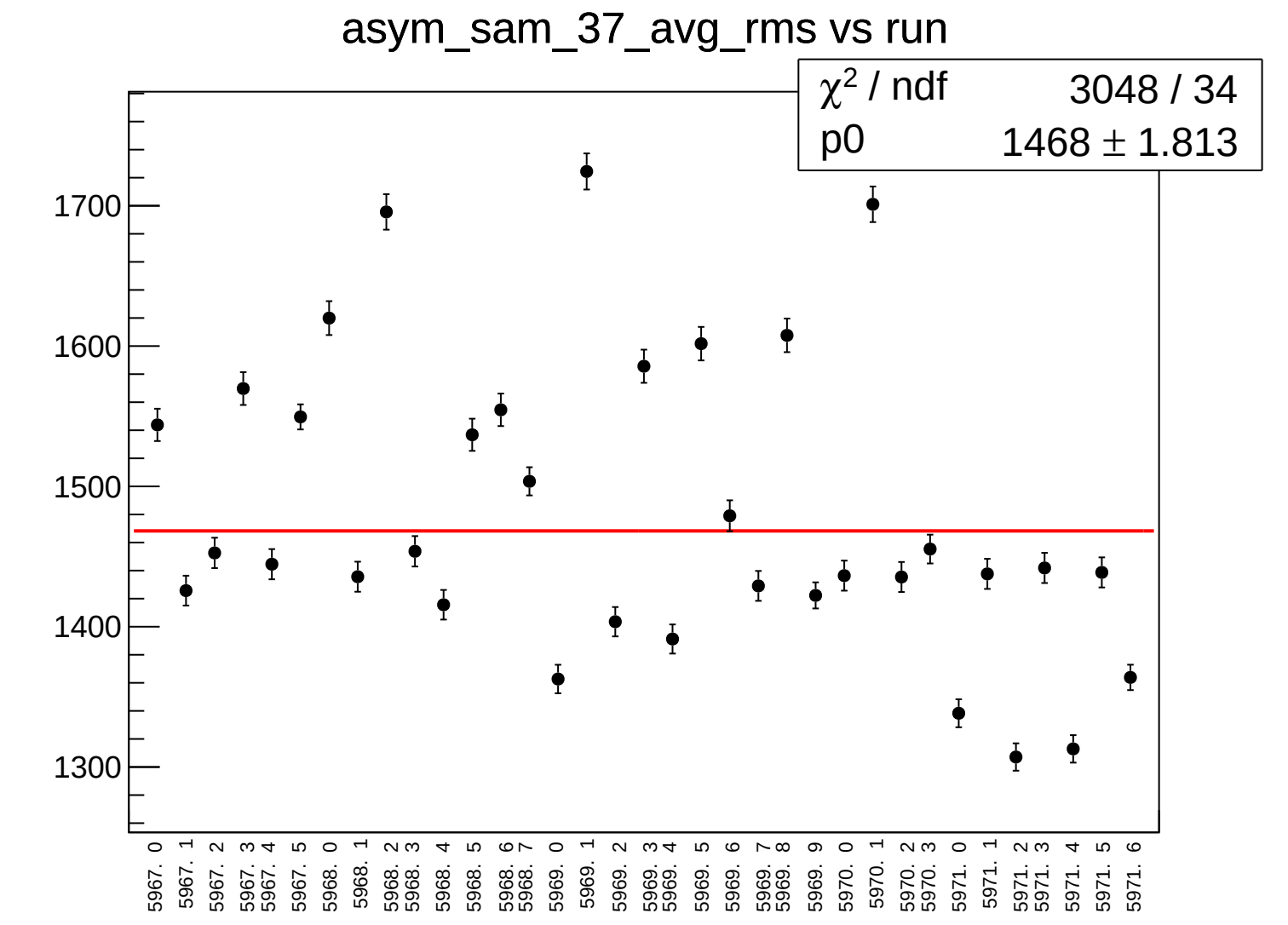

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.238e+04 / 34
p0 83.37 ± 0.1037
150
140
130
120
110
100
90
80
70
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

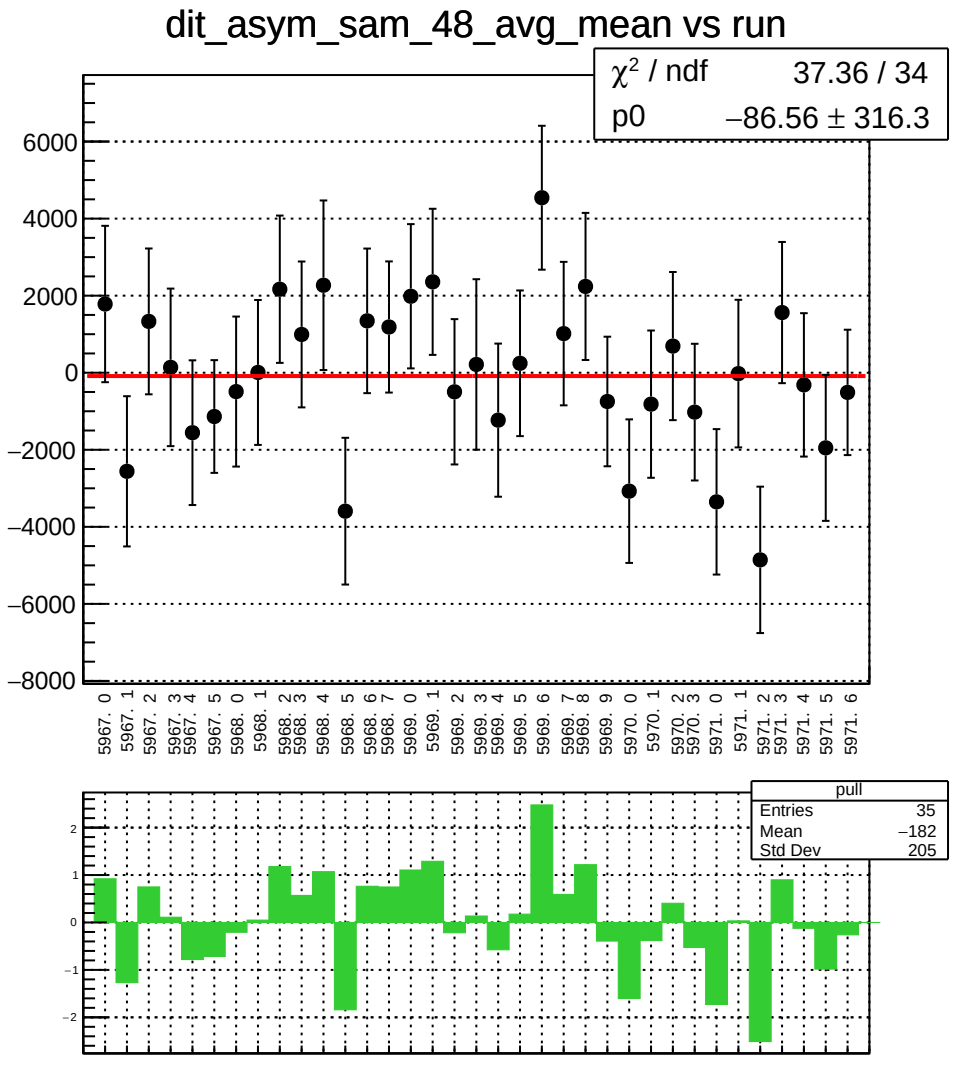

asym_sam_37_avg_correction_mean vs run
χ² / ndf 38.2 / 34
p0 −2809 ± 2593
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 39.43
Std Dev 39.69
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.0129
Std Dev 1.045
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

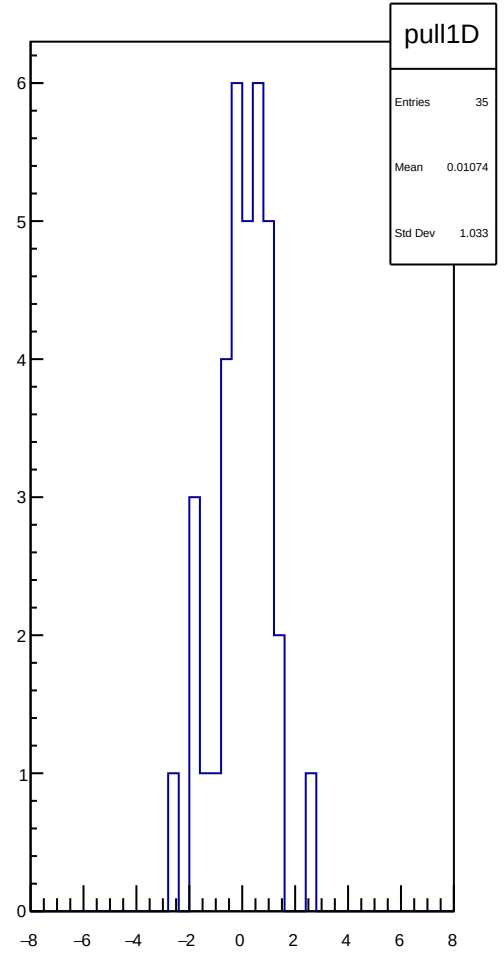

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2782 / 34
p0 1485 ± 1.834
1700
1600
1500
1400
1300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

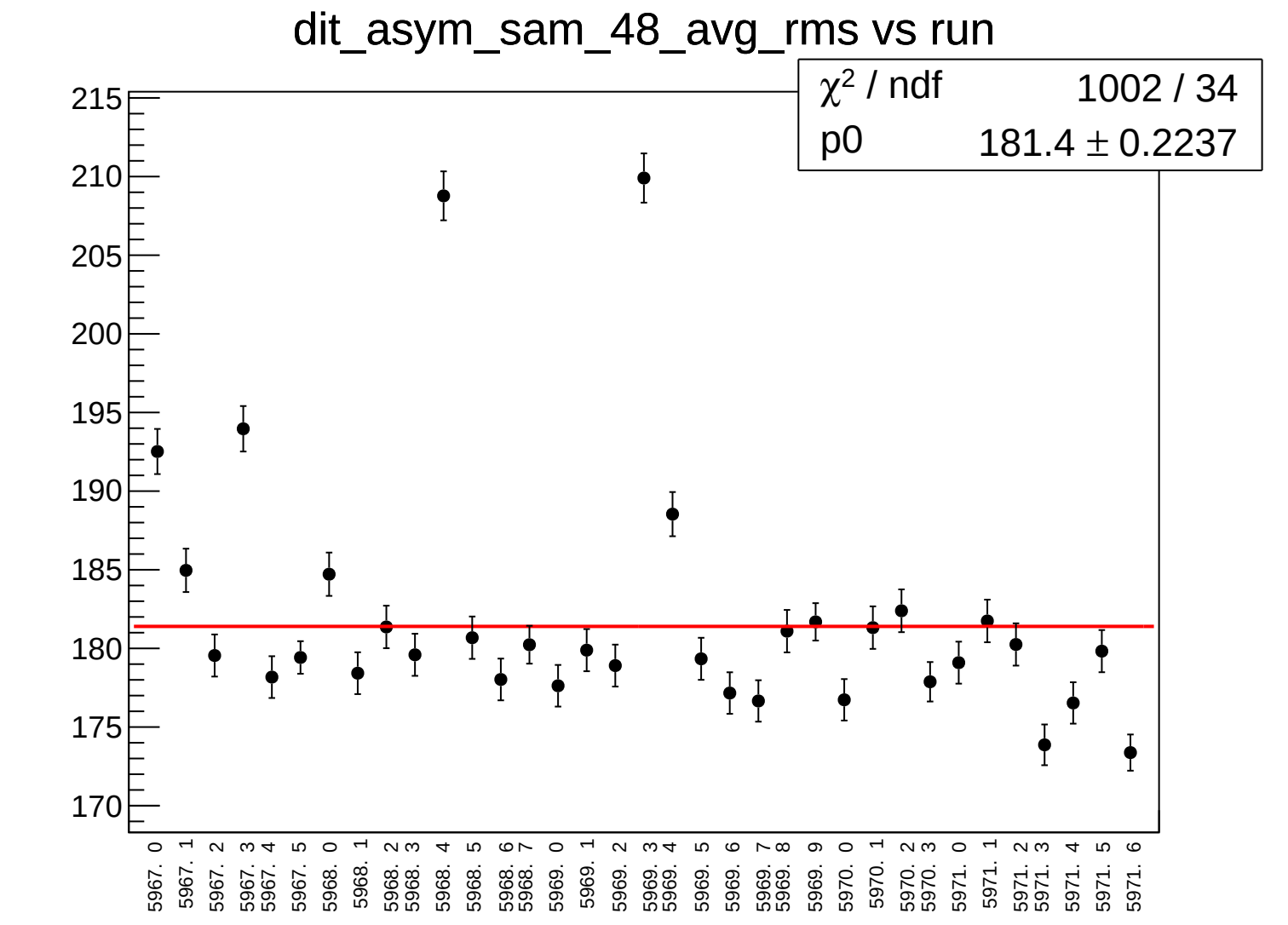

asym_sam_37_avg_mean vs run
χ² / ndf 39.09 / 34
p0 2821 ± 2564
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 55.1
Std Dev 53.82
2
1
0
−1
−2
−3

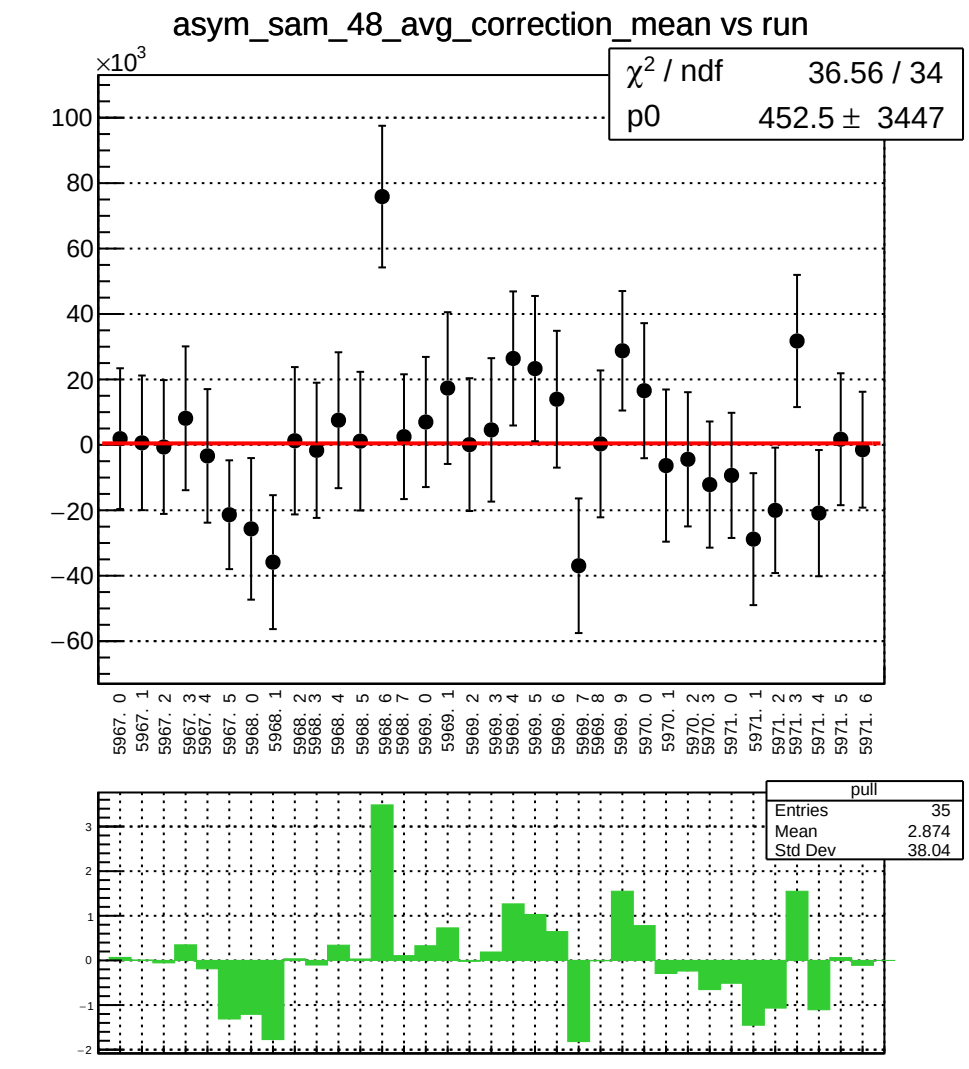

pull1D
Entries 35
Mean −0.009761
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

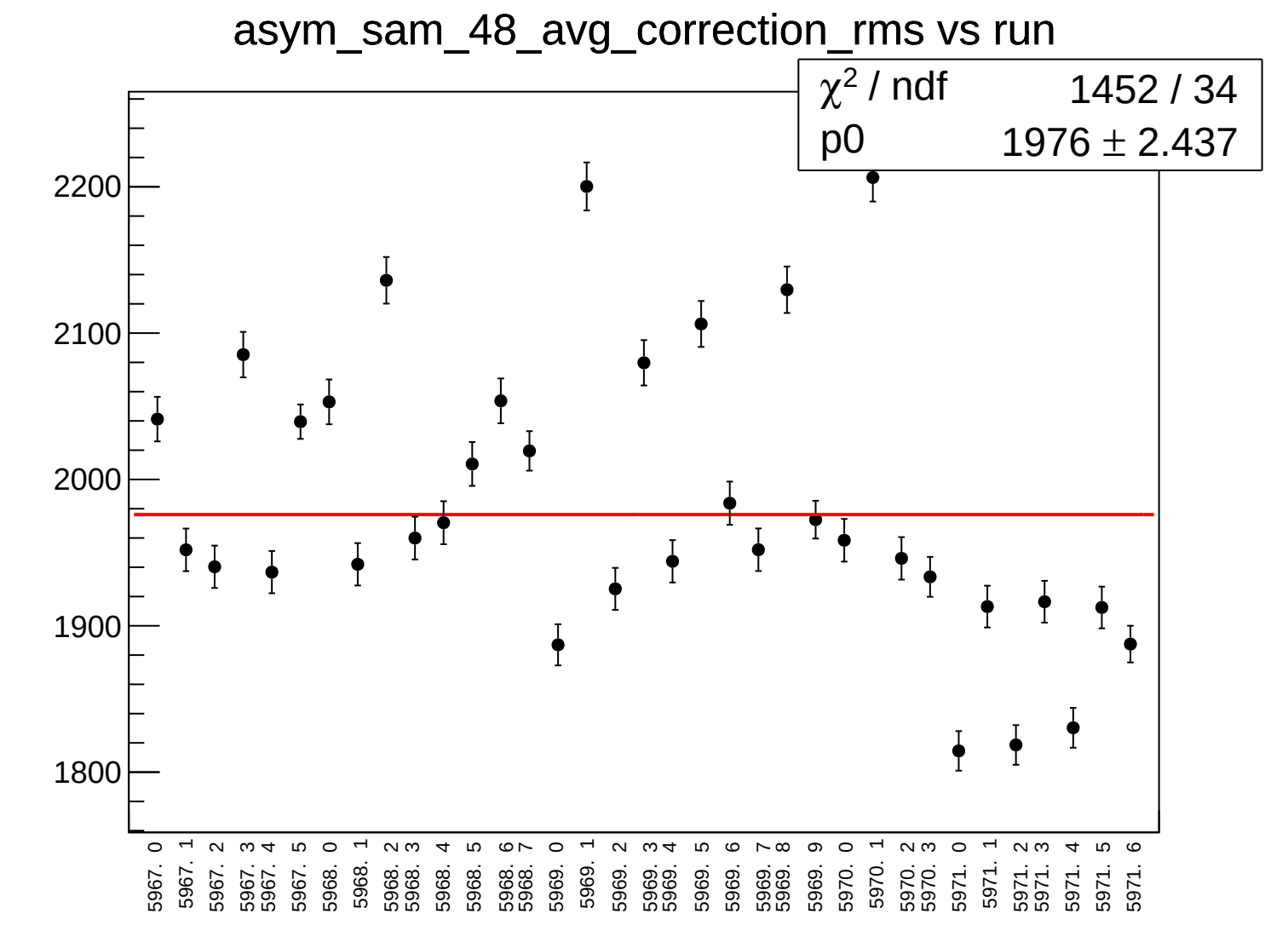

asym_sam_37_avg_rms vs run
χ² / ndf 3048 / 34
p0 1468 ± 1.813
1700
1600
1500
1400
1300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

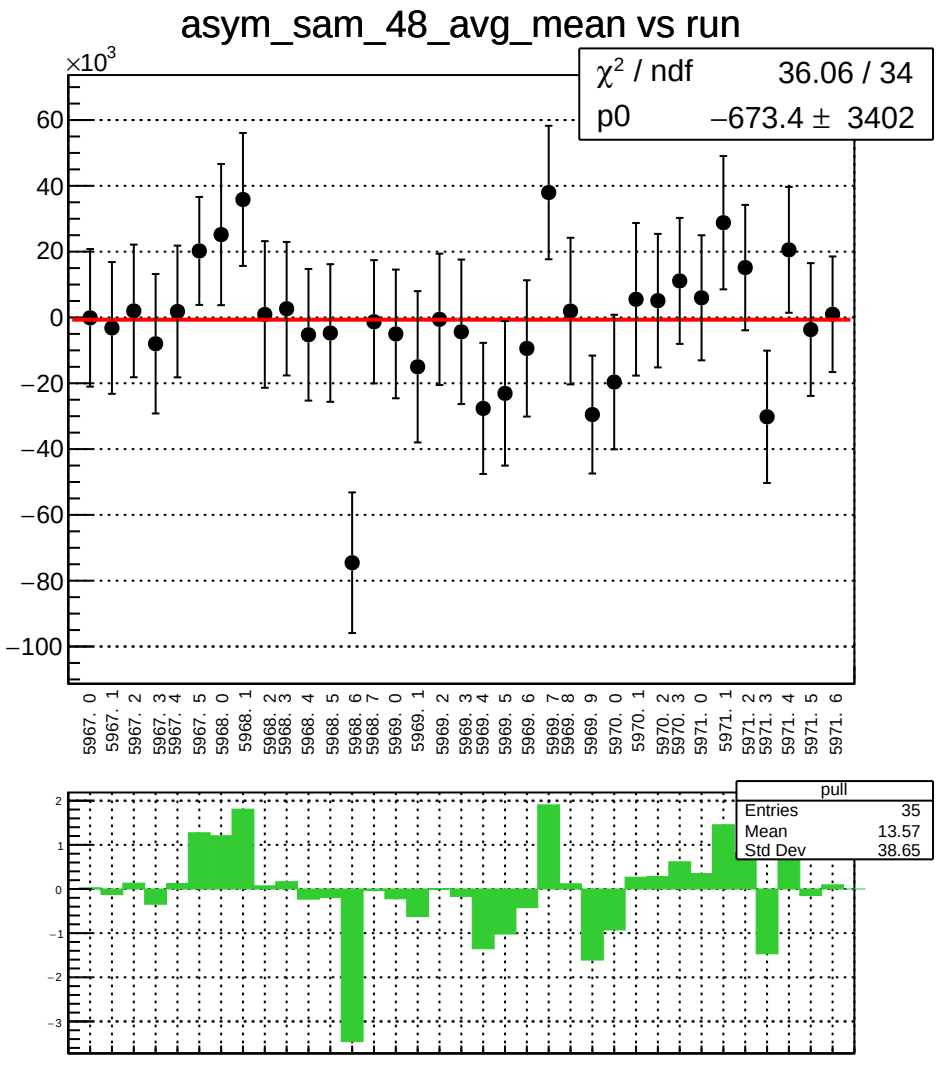

dit_asym_sam_48_avg_mean vs run
χ² / ndf 37.36 / 34
p0 −86.56 ± 316.3
6000
4000
2000
0
−2000
−4000
−6000
−8000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −182
Std Dev 205
2
1
0
−1
−2

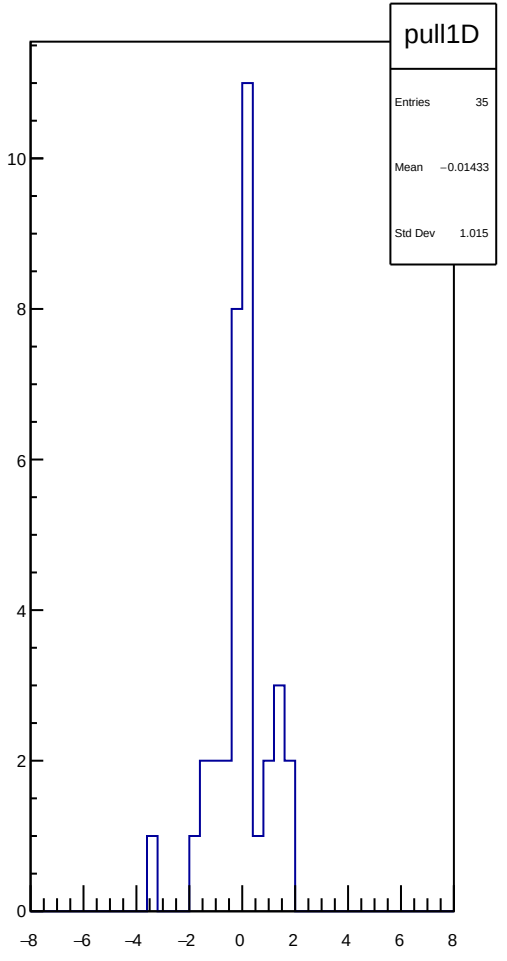

pull1D
Entries 35
Mean 0.01074
Std Dev 1.033
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

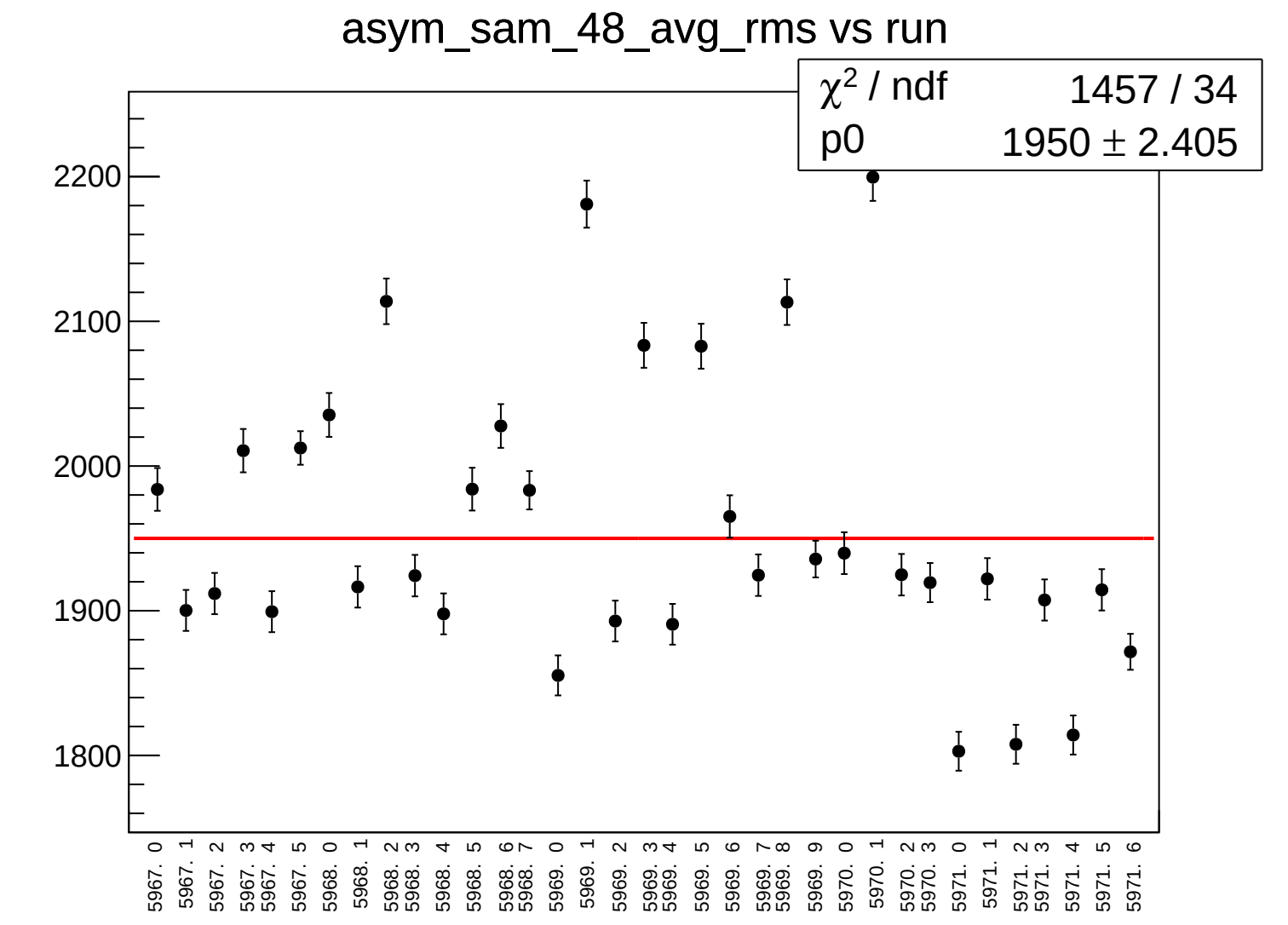

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1002 / 34
p0 181.4 ± 0.2237
215
210
205
200
195
190
185
180
175
170
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

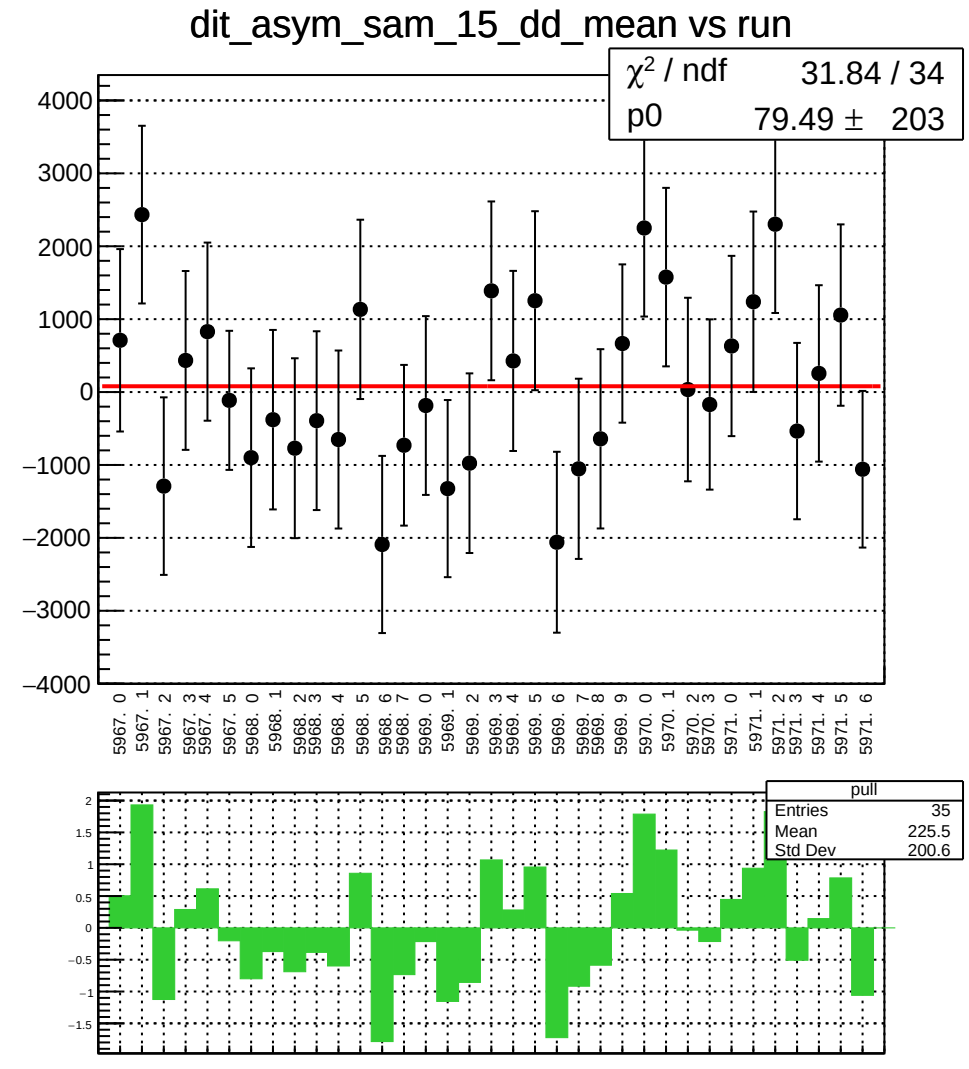

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 36.56 / 34
p0 452.5 ± 3447
100
80
60
40
20
0
−20
−40
−60
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 2.874
Std Dev 38.04
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.01846
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

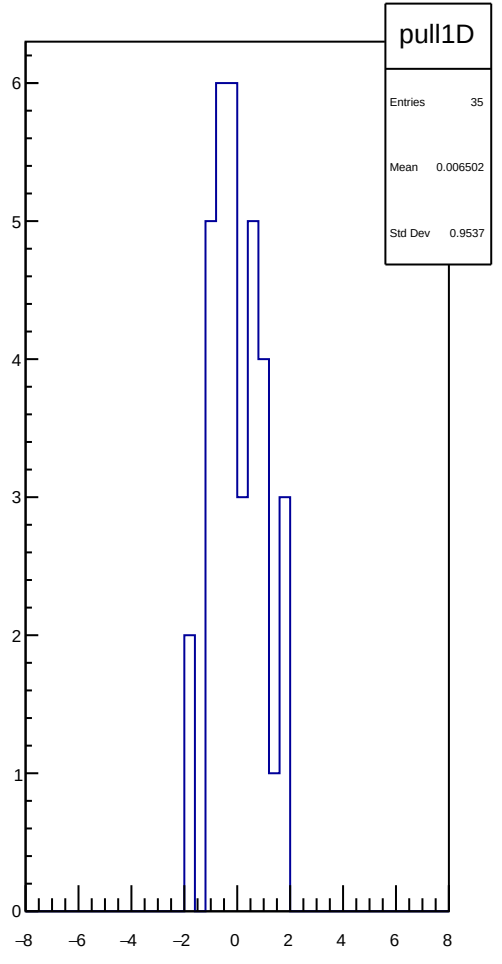

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1452 / 34
p0 1976 ± 2.437
2200
2100
2000
1900
1800
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

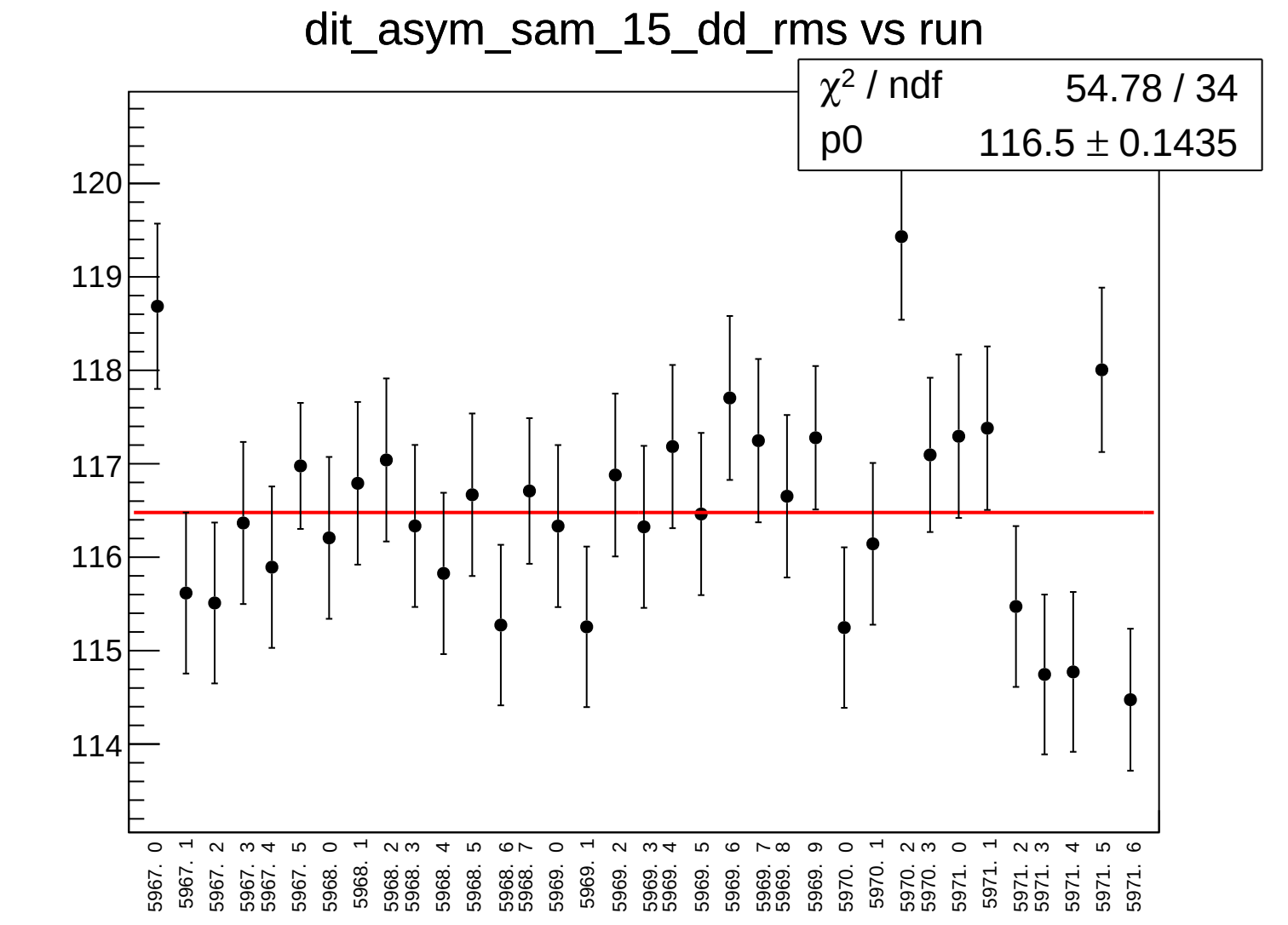

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 36.06 / 34
p0 −673.4 ± 3402
60
40
20
0
−20
−40
−60
−80
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 13.57
Std Dev 38.65
2
1
0
−1
−2
−3

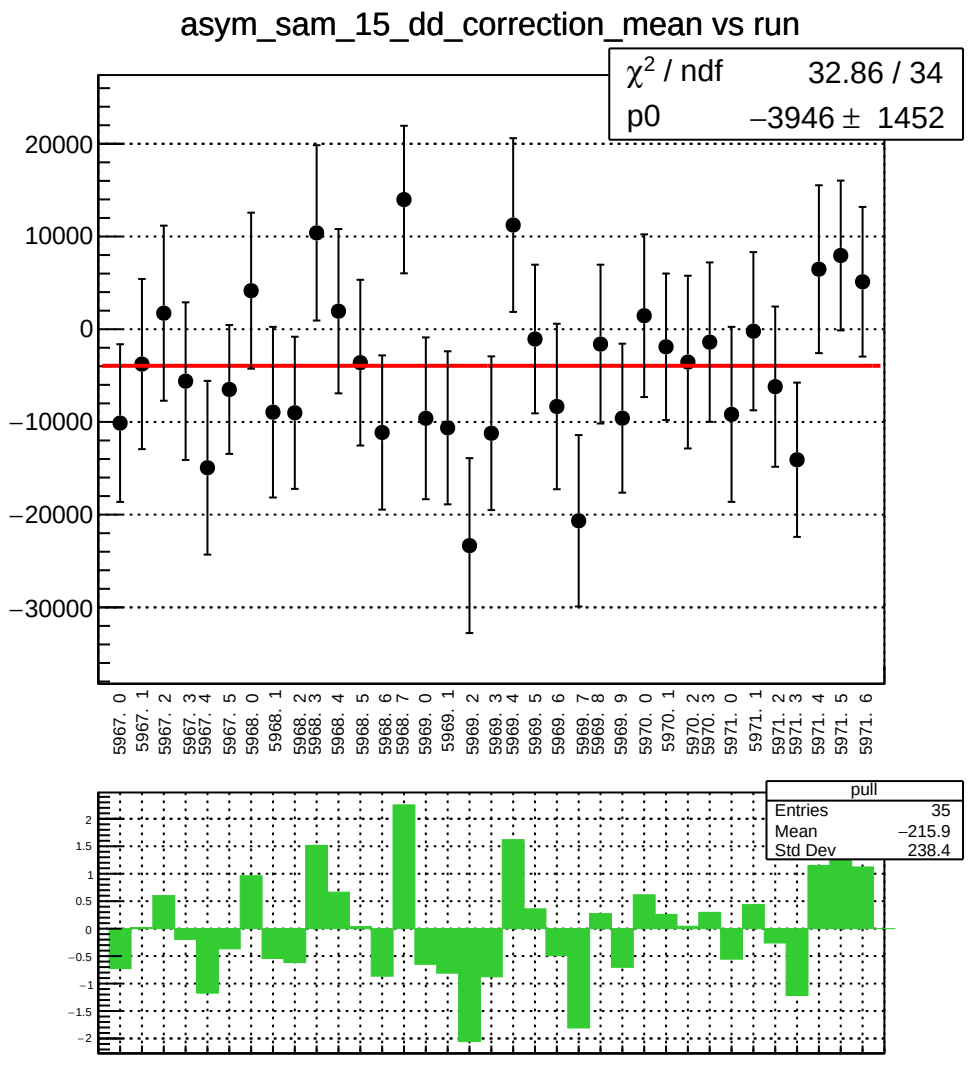

pull1D
Entries 35
Mean −0.01433
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

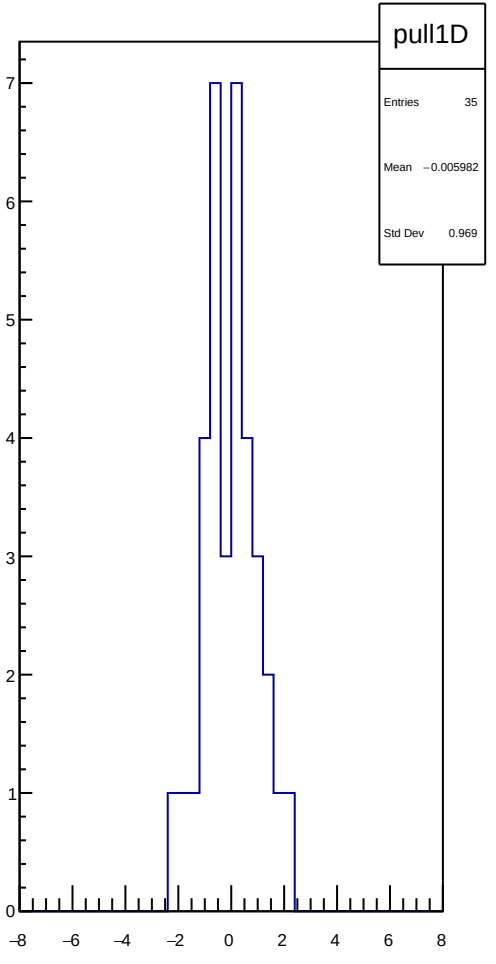

asym_sam_48_avg_rms vs run
χ² / ndf 1457 / 34
p0 1950 ± 2.405
2200
2100
2000
1900
1800
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

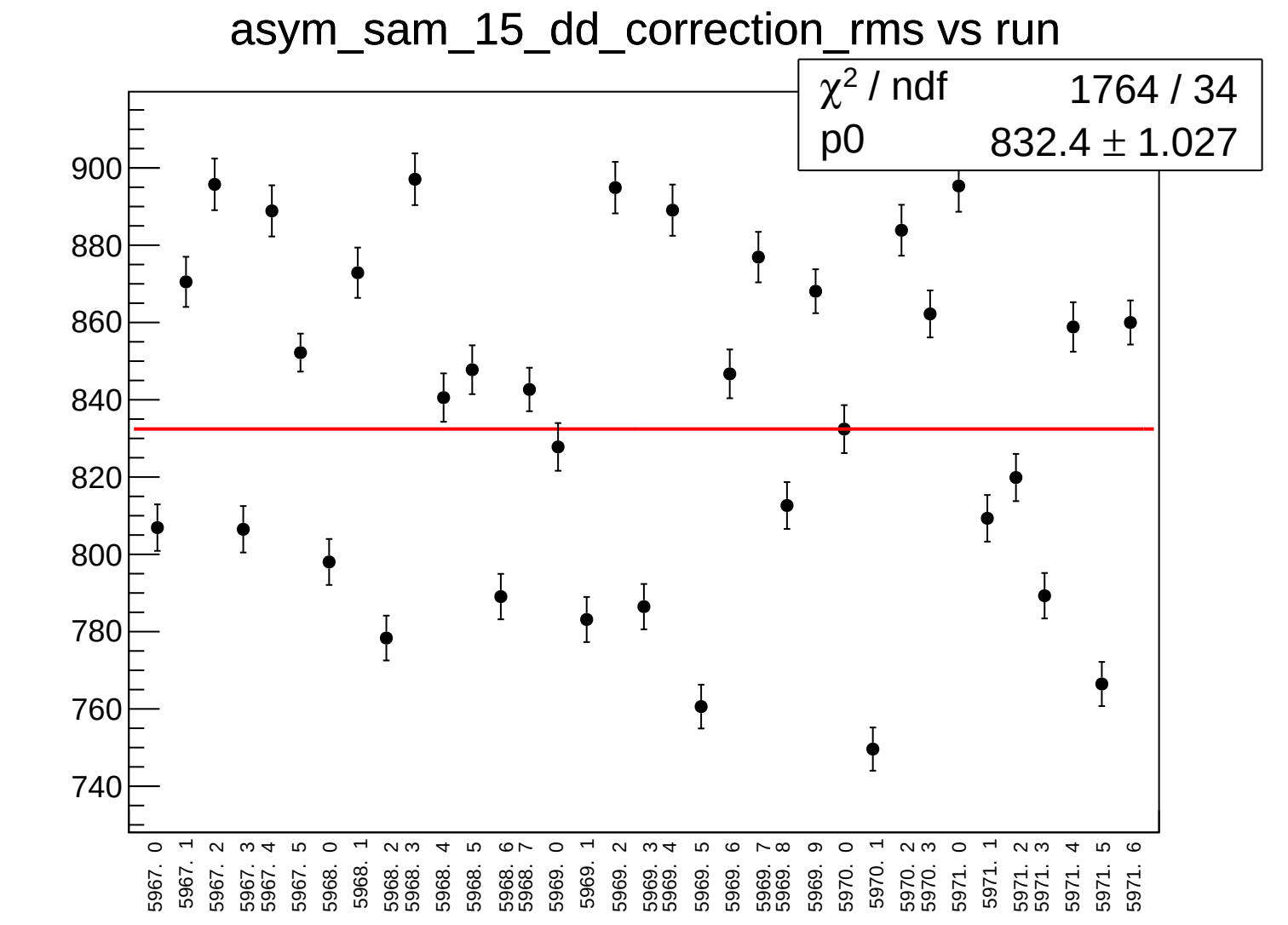

dit_asym_sam_15_dd_mean vs run
χ² / ndf 31.84 / 34
p0 79.49 ± 203
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 225.5
Std Dev 200.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

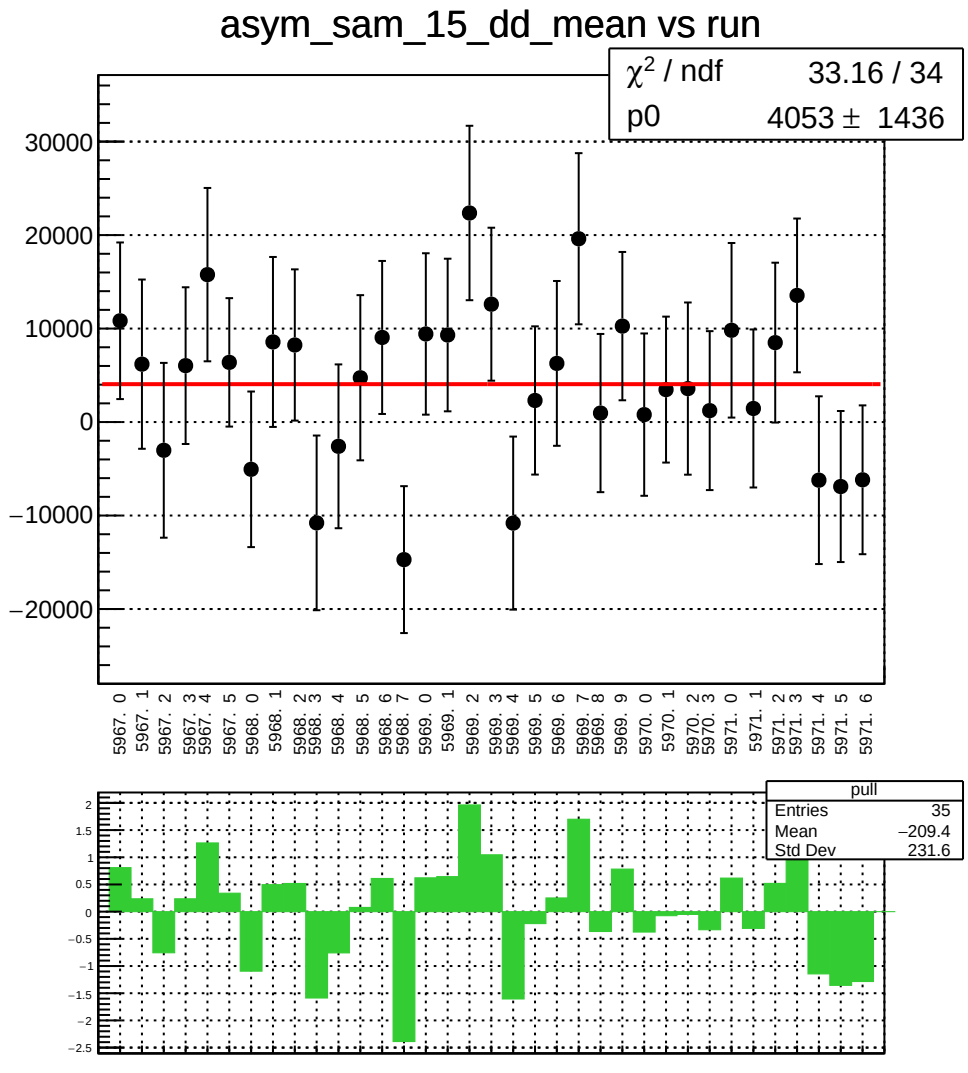

pull1D
Entries 35
Mean 0.006502
Std Dev 0.9537
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

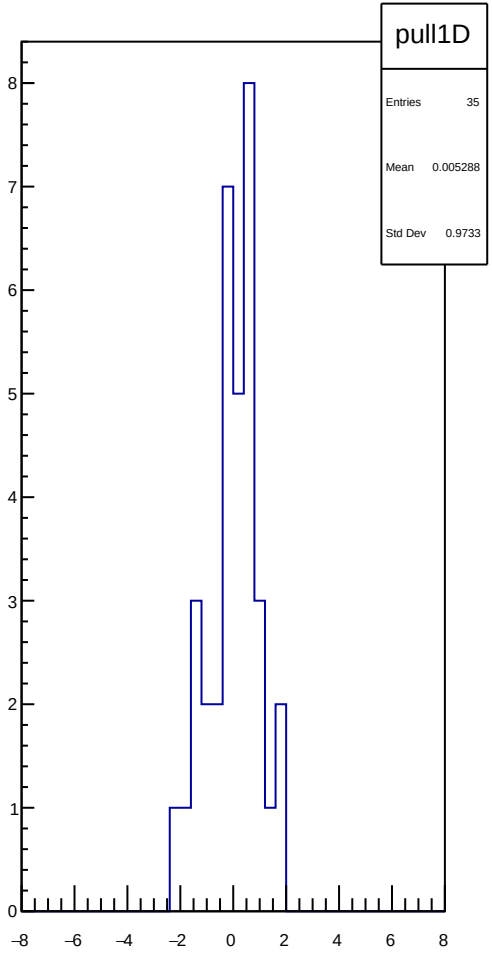

dit_asym_sam_15_dd_rms vs run
χ² / ndf 54.78 / 34
p0 116.5 ± 0.1435
120
119
118
117
116
115
114
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

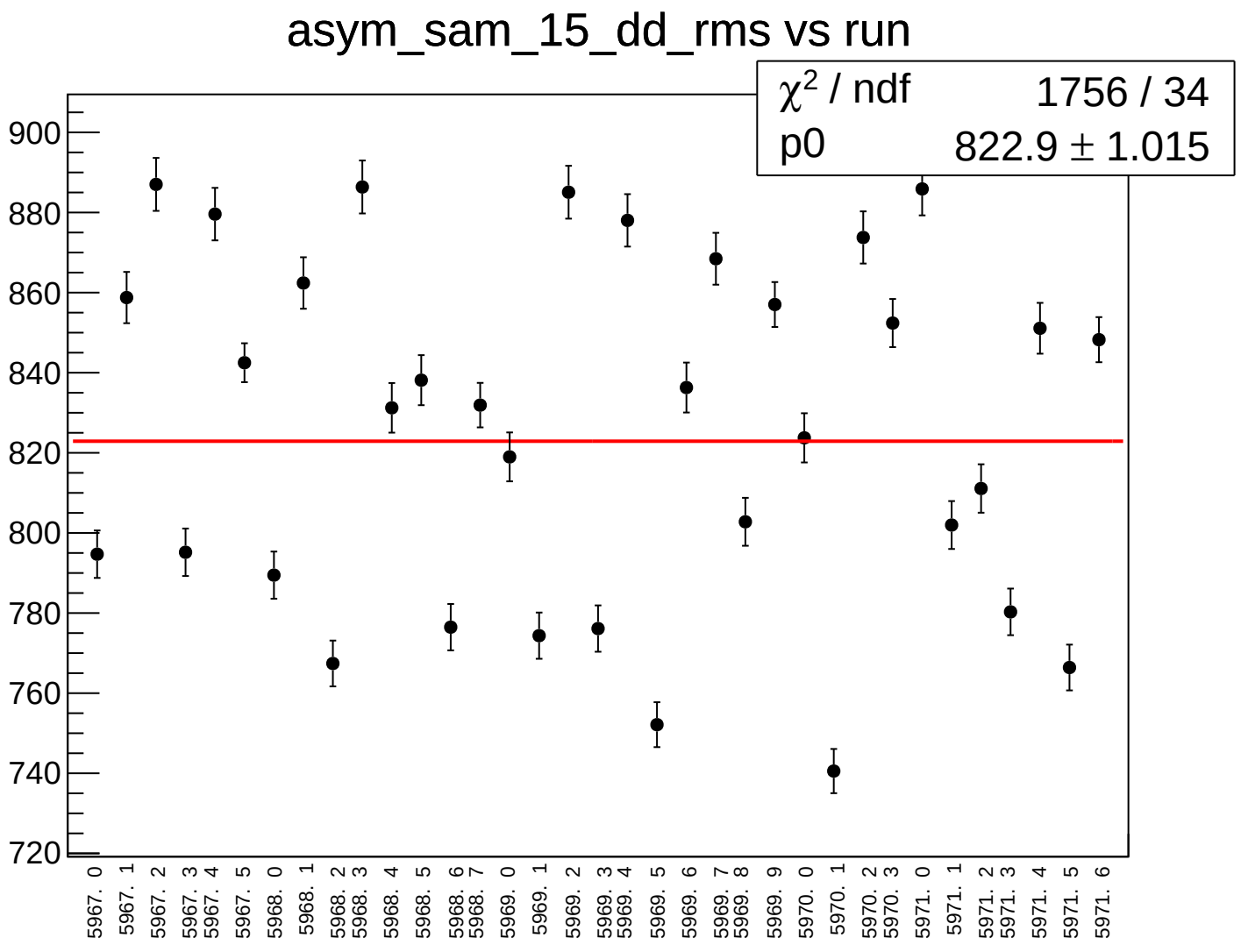

asym_sam_15_dd_correction_mean vs run
χ² / ndf 32.86 / 34
p0 −3946 ± 1452
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −215.9
Std Dev 238.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

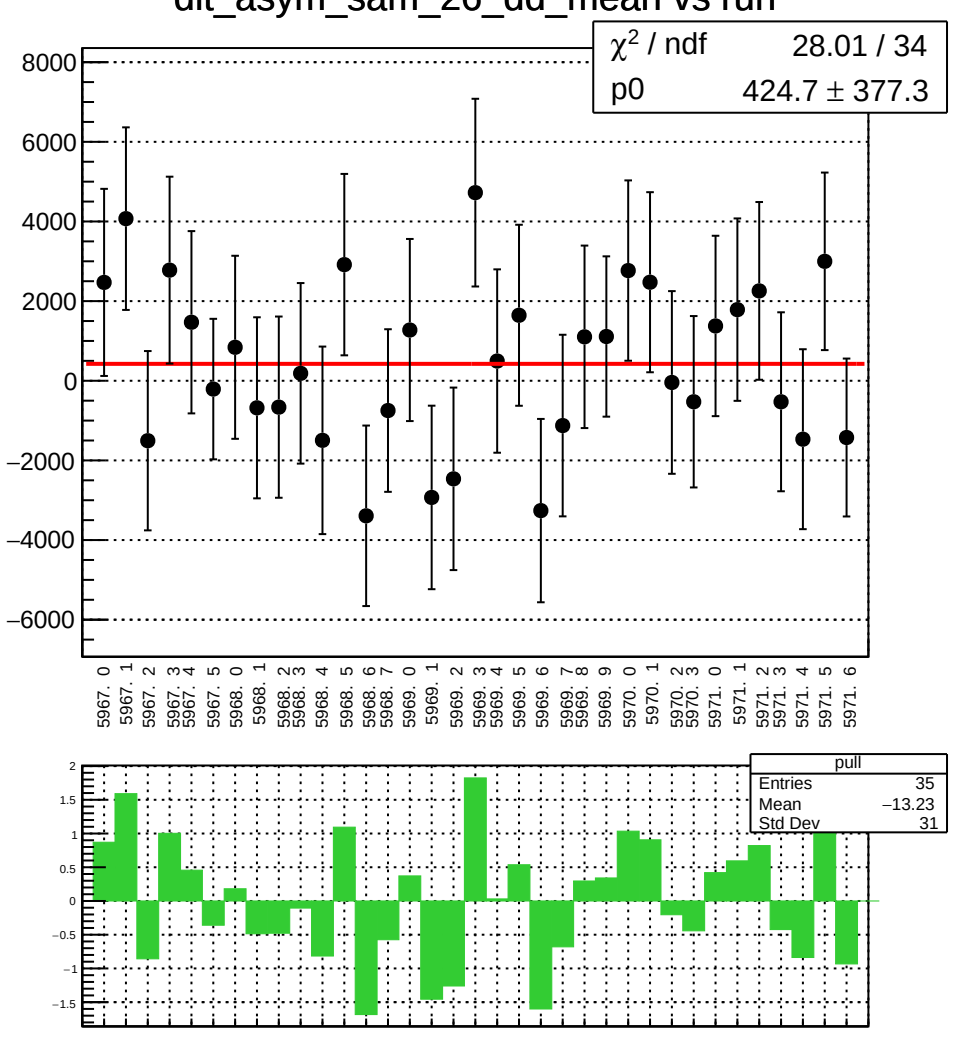

pull1D
Entries 35
Mean −0.005982
Std Dev 0.969
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

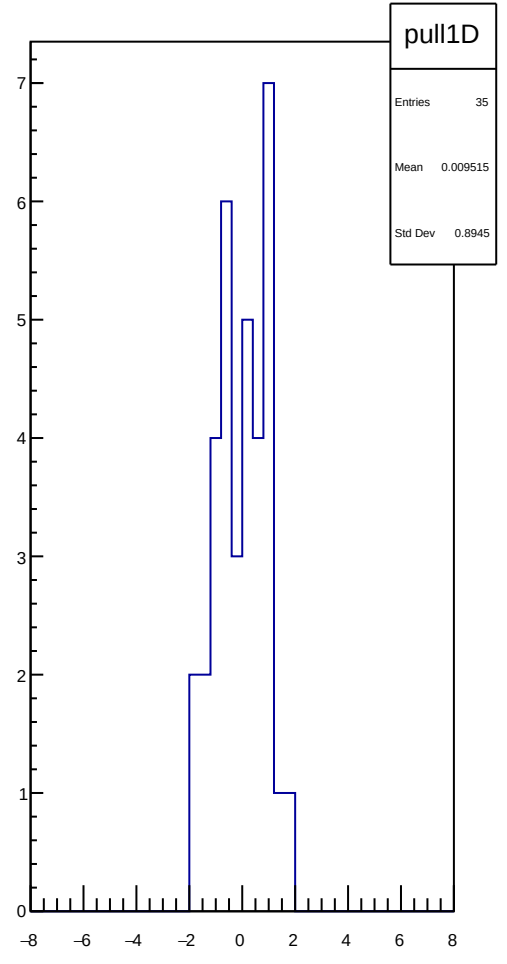

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1764 / 34
p0 832.4 ± 1.027
900
880
860
840
820
800
780
760
740
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

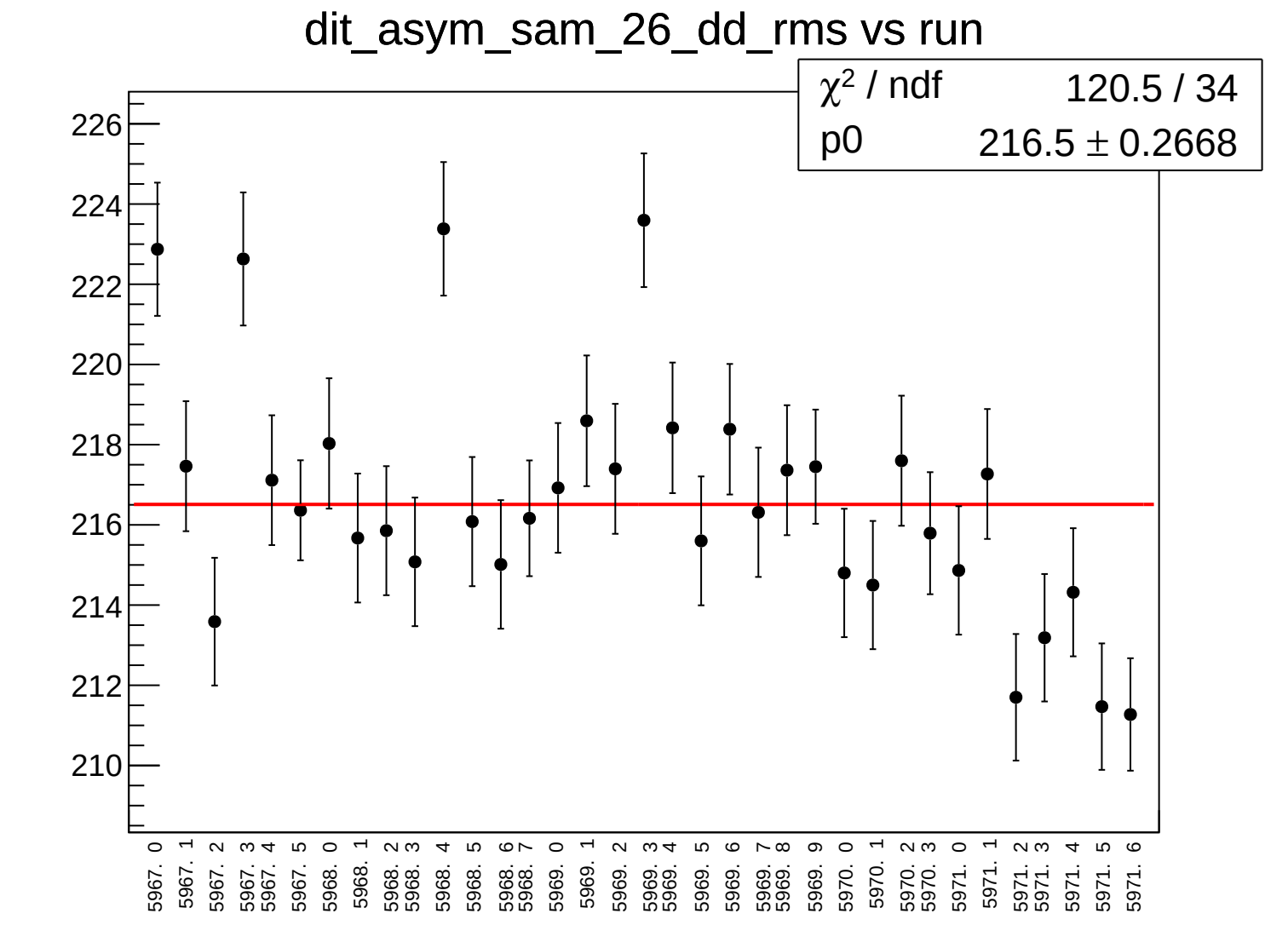

asym_sam_15_dd_mean vs run
χ² / ndf 33.16 / 34
p0 4053 ± 1436
30000
20000
10000
0
−10000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −209.4
Std Dev 231.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

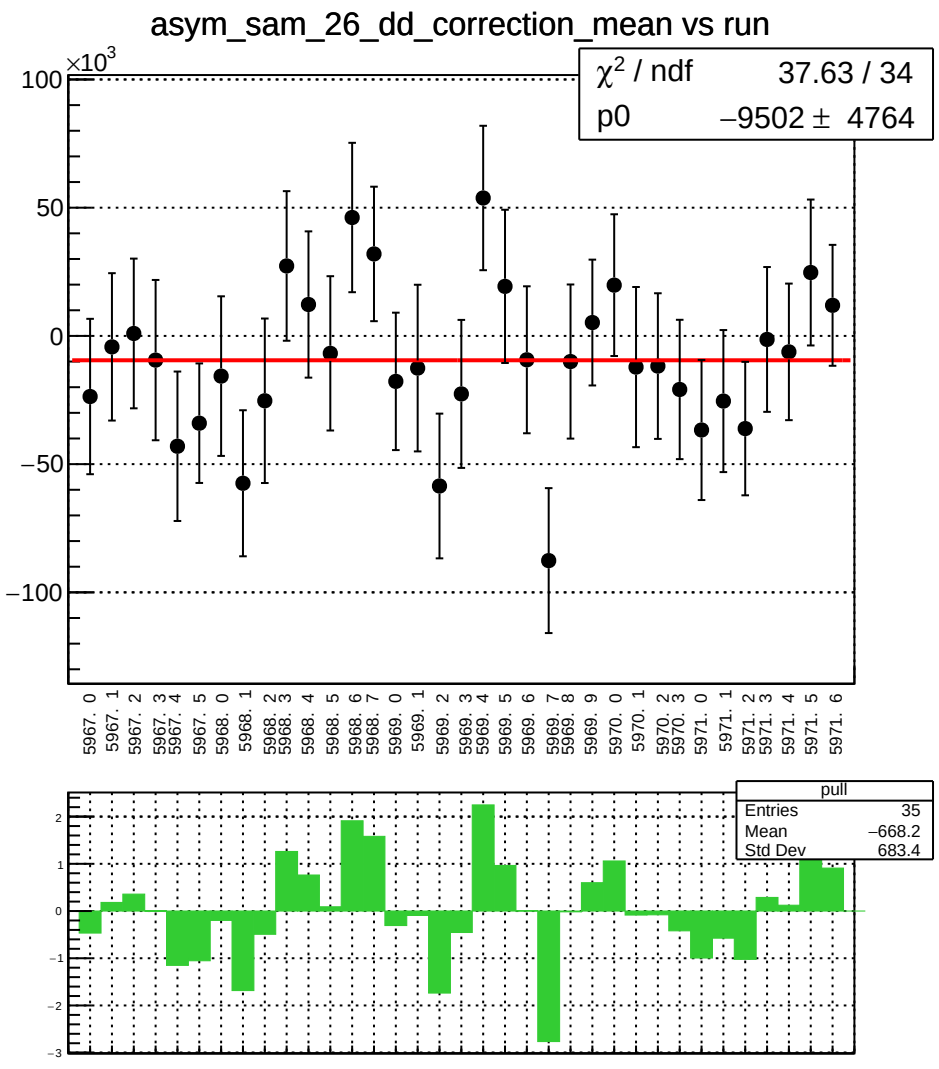

pull1D
Entries 35
Mean 0.005288
Std Dev 0.9733
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

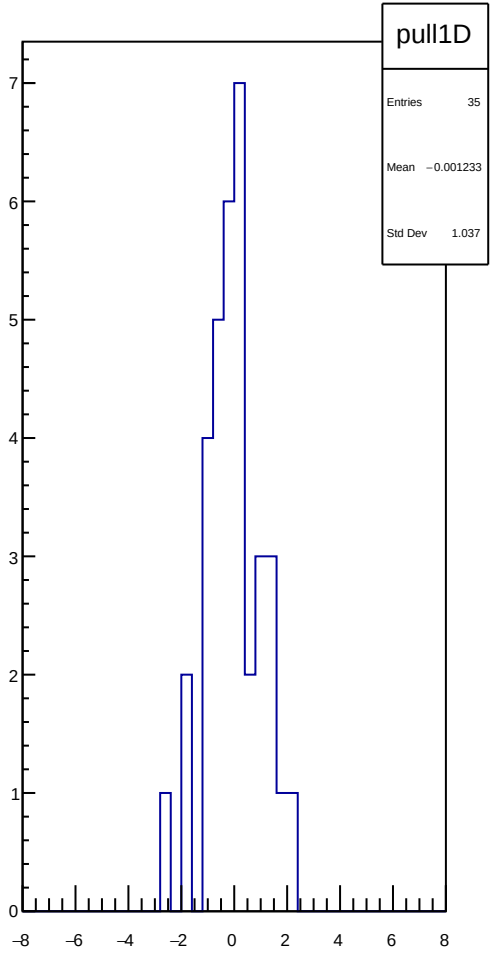

asym_sam_15_dd_rms vs run
χ² / ndf 1756 / 34
p0 822.9 ± 1.015
900
880
860
840
820
800
780
760
740
720
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

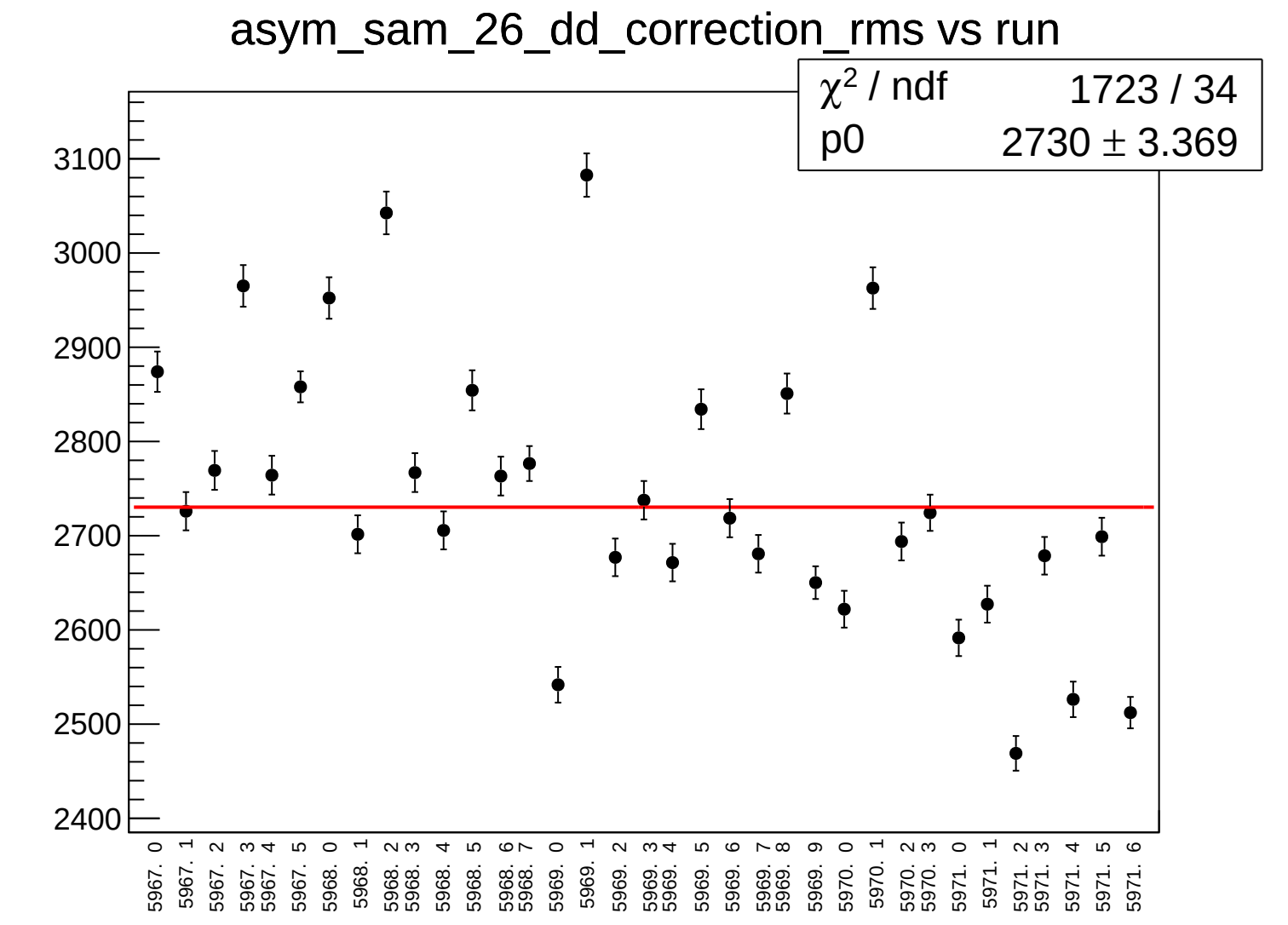

dit_asym_sam_26_dd_mean vs run
χ² / ndf 28.01 / 34
p0 424.7 ± 377.3
8000
6000
4000
2000
0
−2000
−4000
−6000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −13.23
Std Dev 31
2
1.5
1
0.5
0
−0.5
−1
−1.5

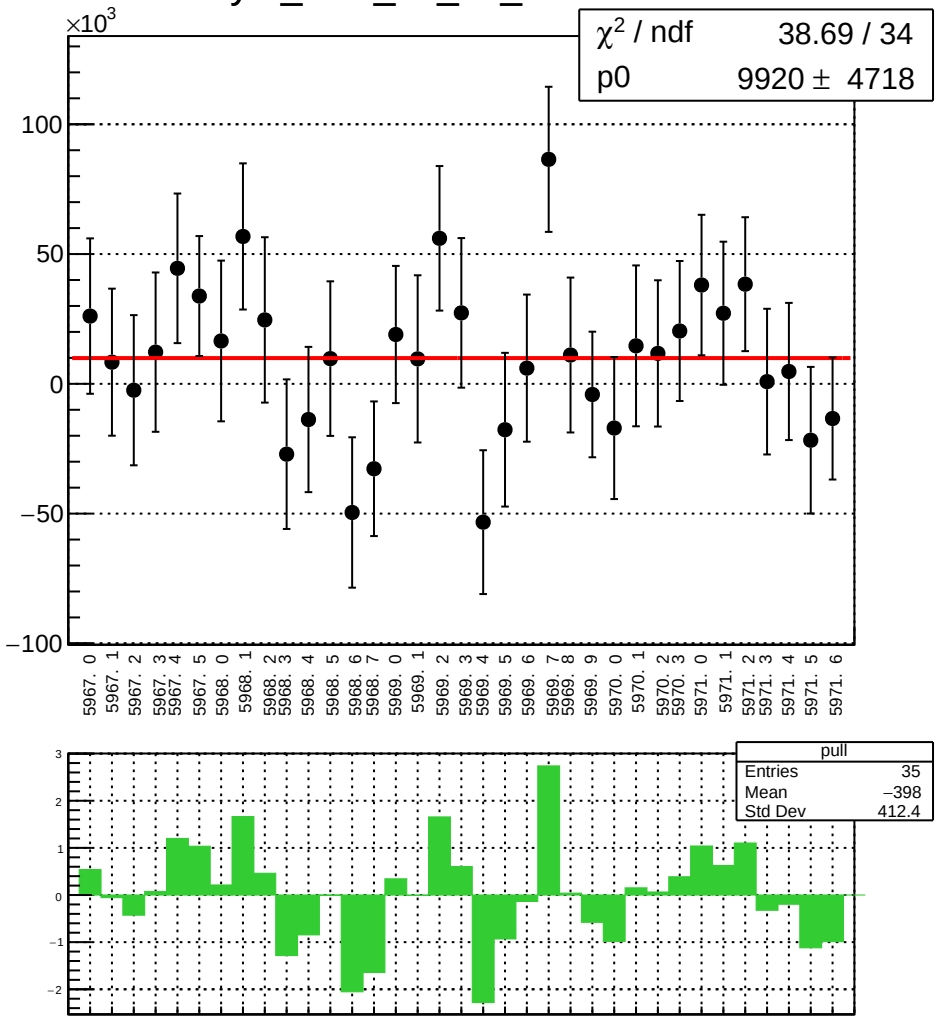

pull1D
Entries 35
Mean 0.009515
Std Dev 0.8945
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

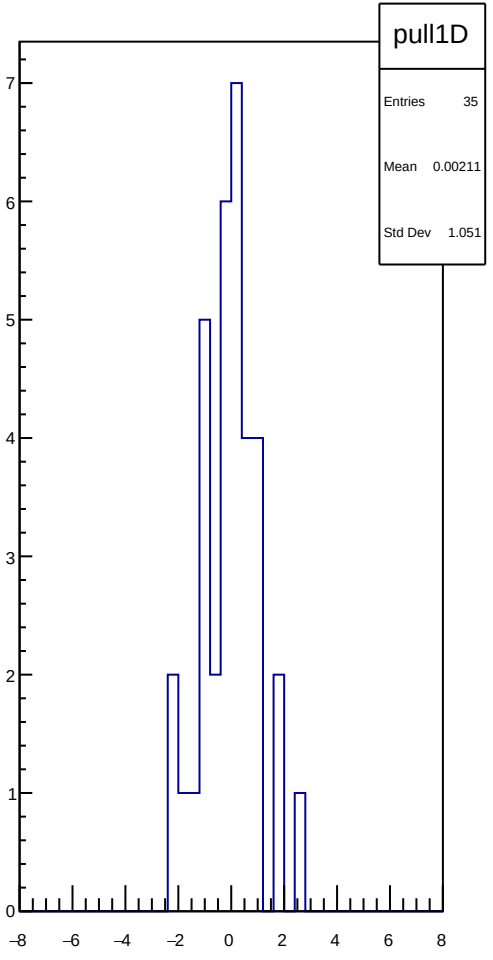

dit_asym_sam_26_dd_rms vs run
χ² / ndf 120.5 / 34
p0 216.5 ± 0.2668
226
224
222
220
218
216
214
212
210
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

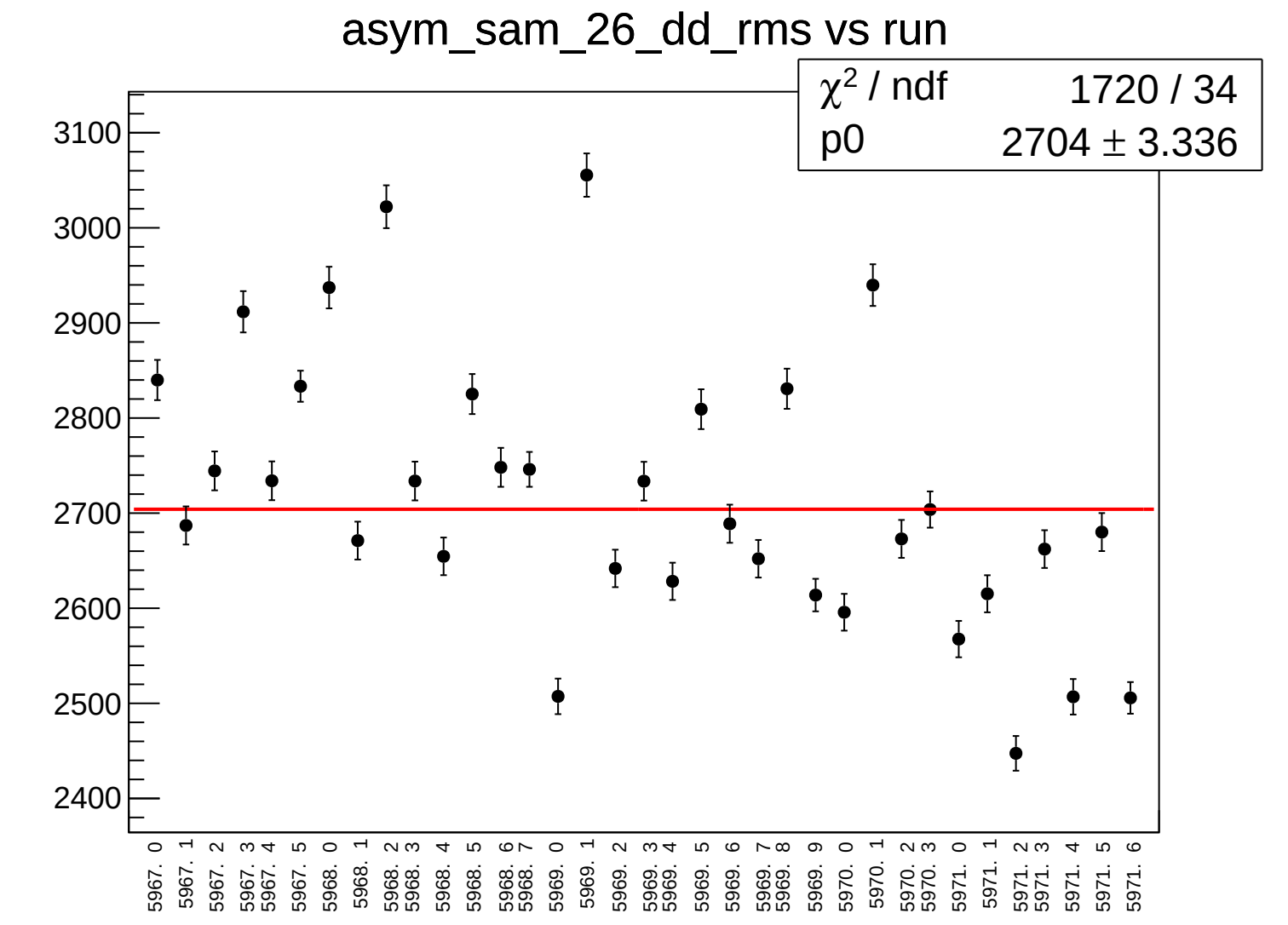

asym_sam_26_dd_correction_mean vs run
×10^3
χ^2 / ndf 37.63 / 34
p0 −9502 ± 4764
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −668.2
Std Dev 683.4
2
1
0
−1
−2
−3

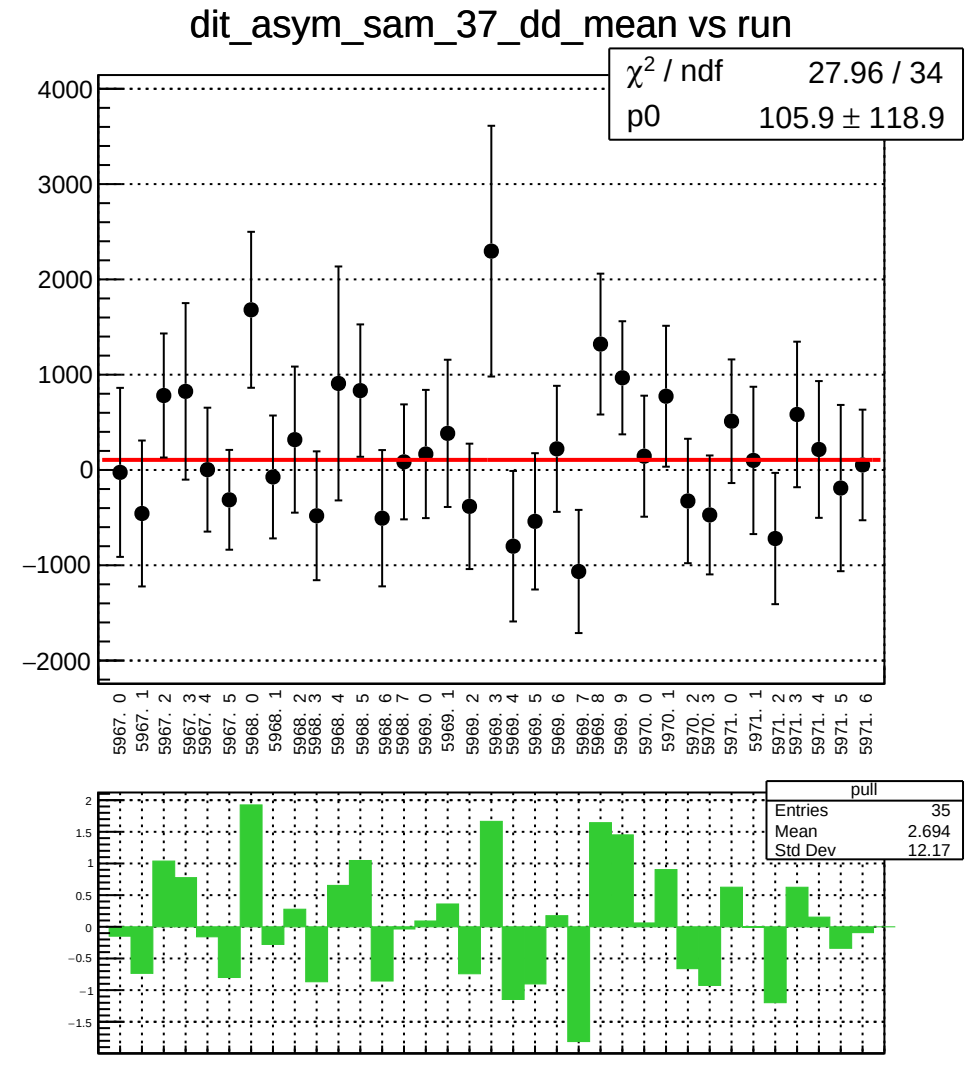

pull1D
Entries 35
Mean −0.001233
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

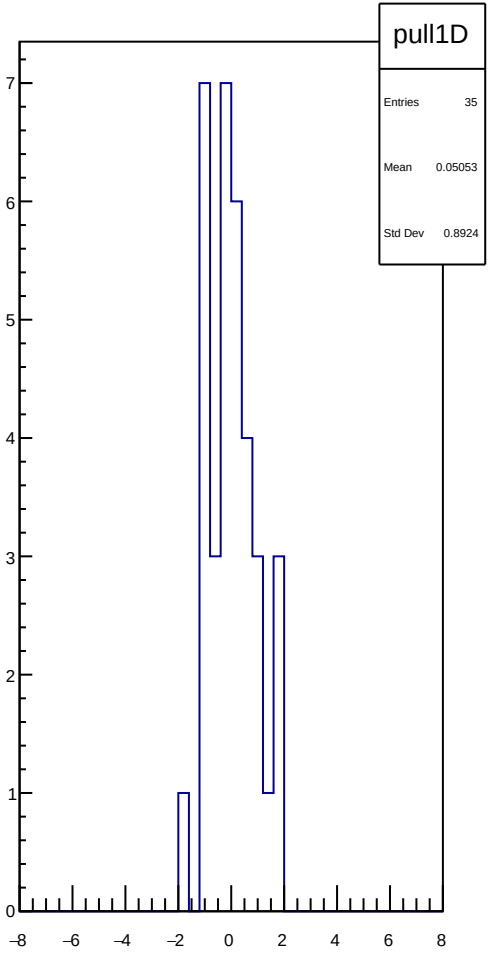

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1723 / 34
p0 2730 ± 3.369
3100
3000
2900
2800
2700
2600
2500
2400
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

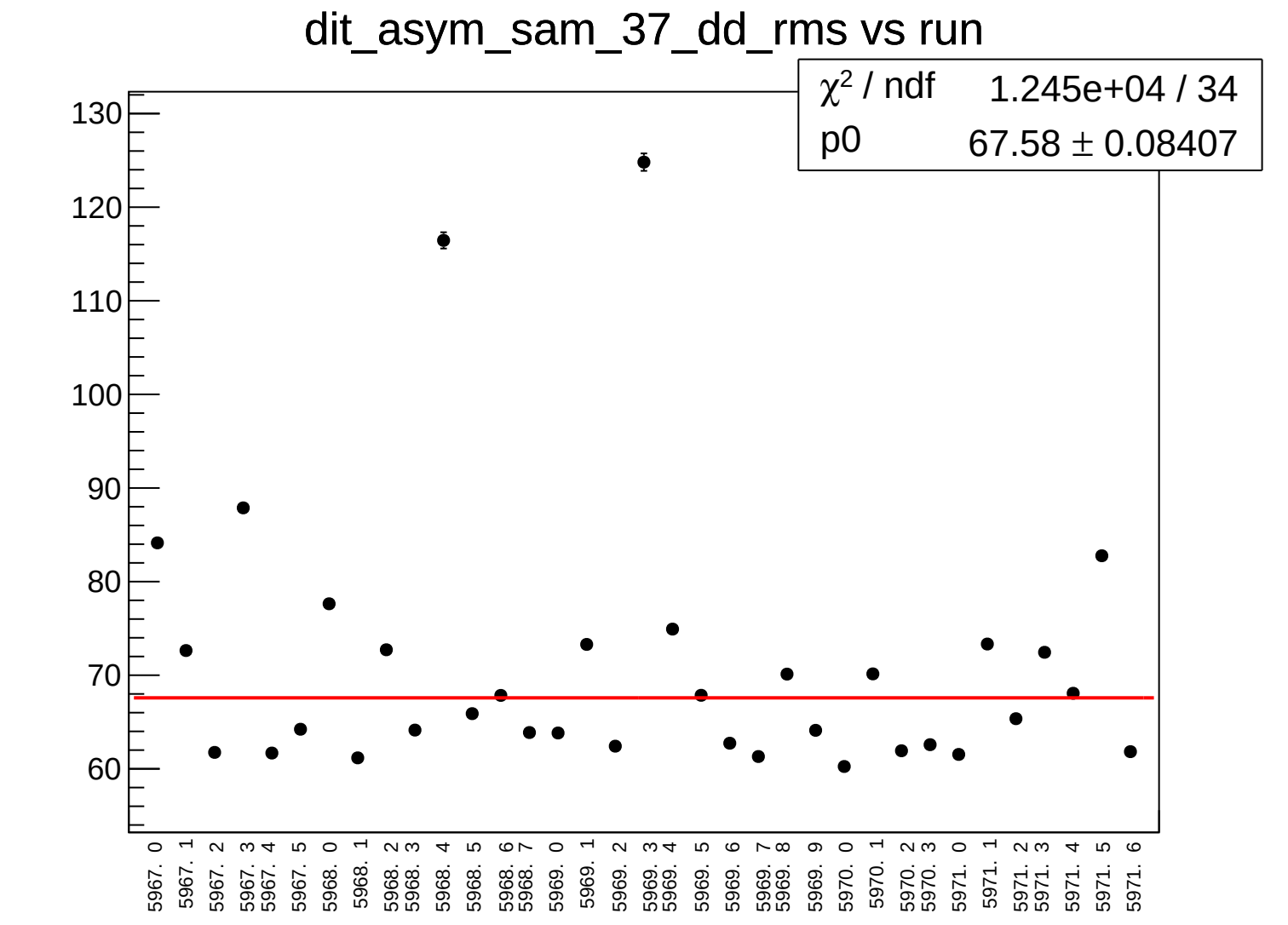

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 38.69 / 34
p0 9920 ± 4718
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −398
Std Dev 412.4
3
2
1
0
−1
−2

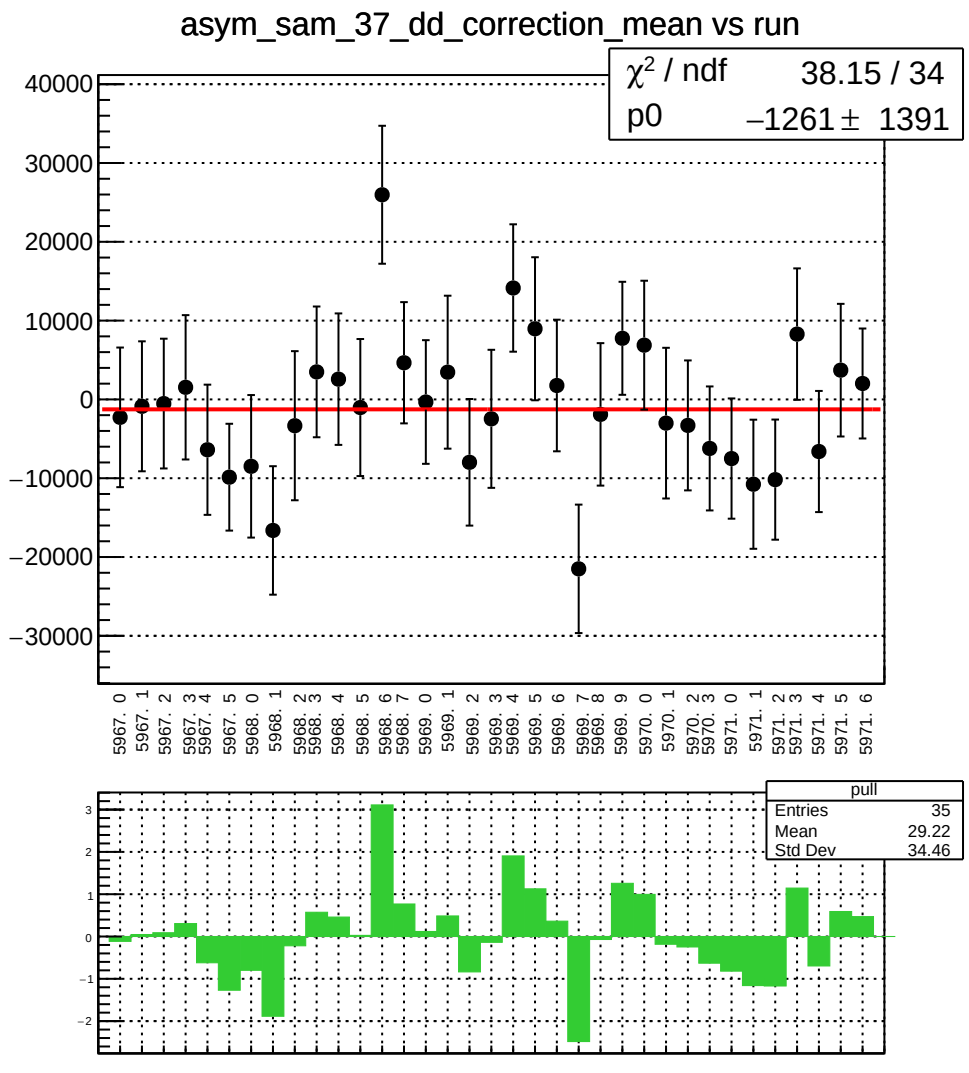

pull1D
Entries 35
Mean 0.00211
Std Dev 1.051
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

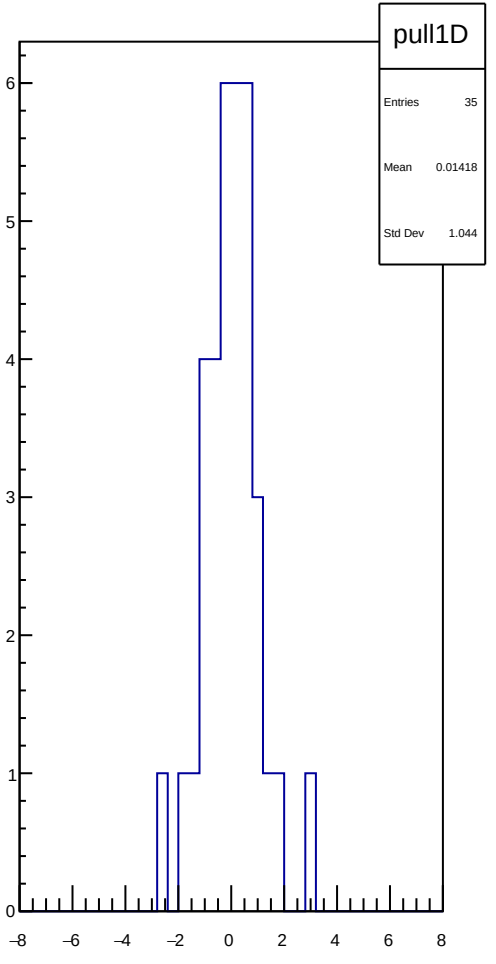

asym_sam_26_dd_rms vs run
χ² / ndf 1720 / 34
p0 2704 ± 3.336
3100
3000
2900
2800
2700
2600
2500
2400
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

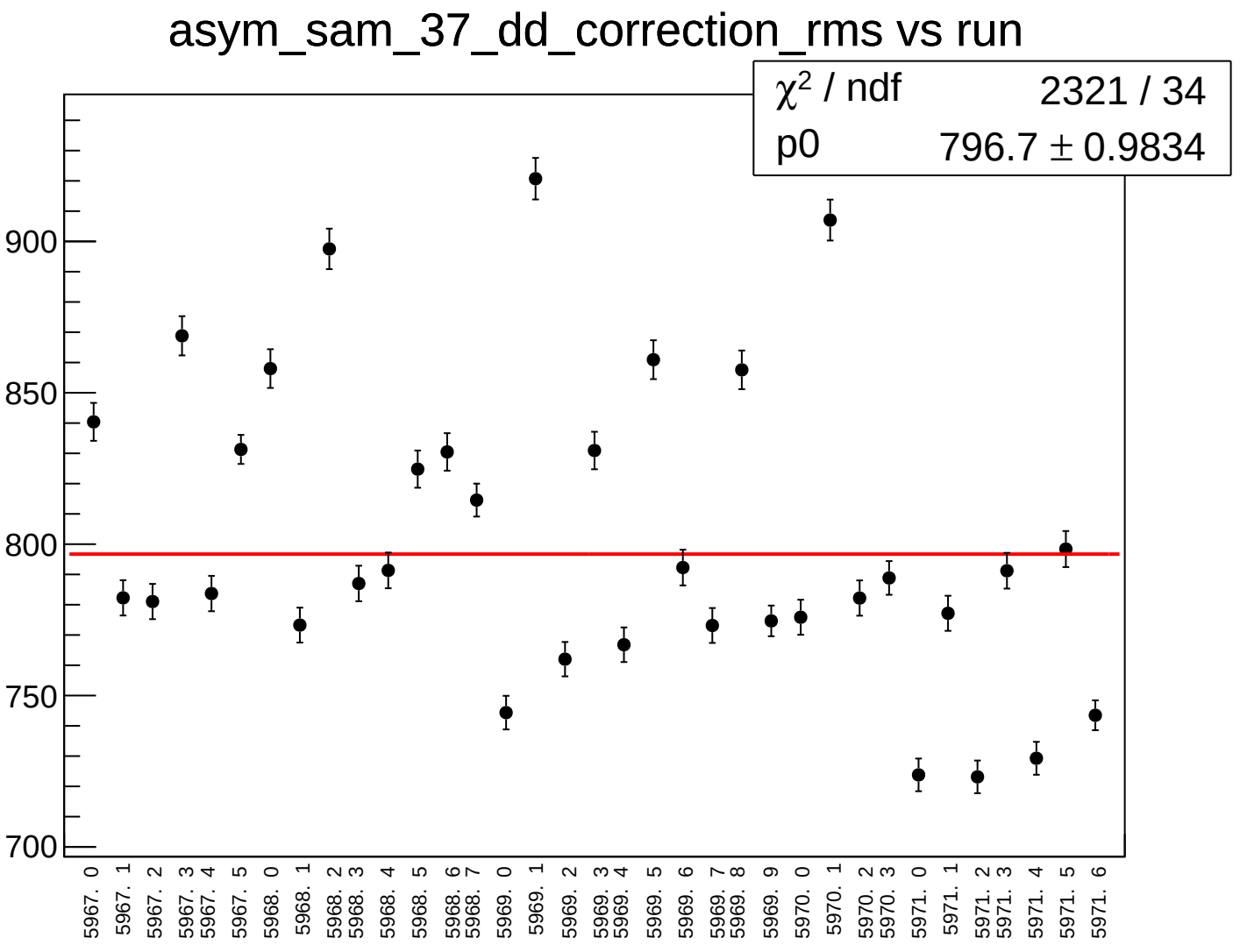

dit_asym_sam_37_dd_mean vs run
χ² / ndf 27.96 / 34
p0 105.9 ± 118.9
4000
3000
2000
1000
0
−1000
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 2.694
Std Dev 12.17
2
1.5
1
0.5
0
−0.5
−1
−1.5

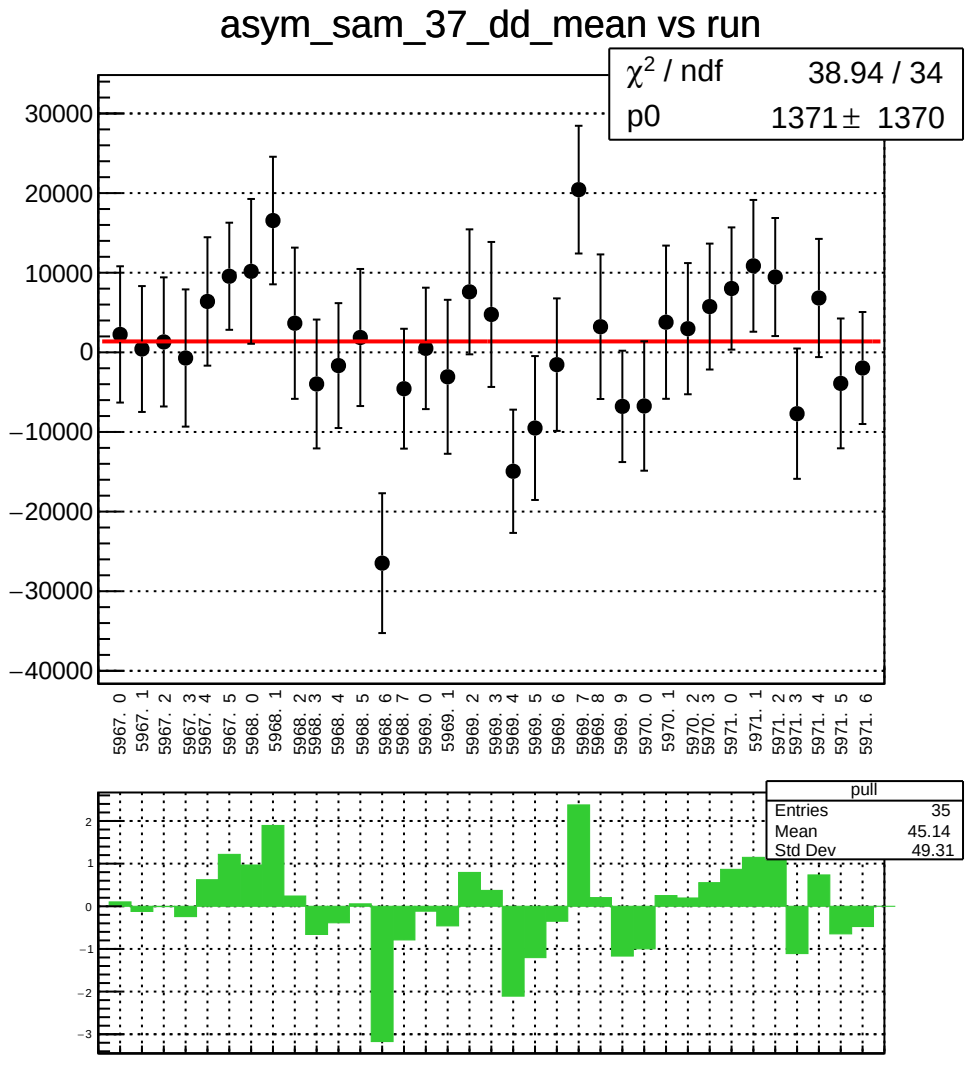

pull1D
Entries 35
Mean 0.05053
Std Dev 0.8924
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

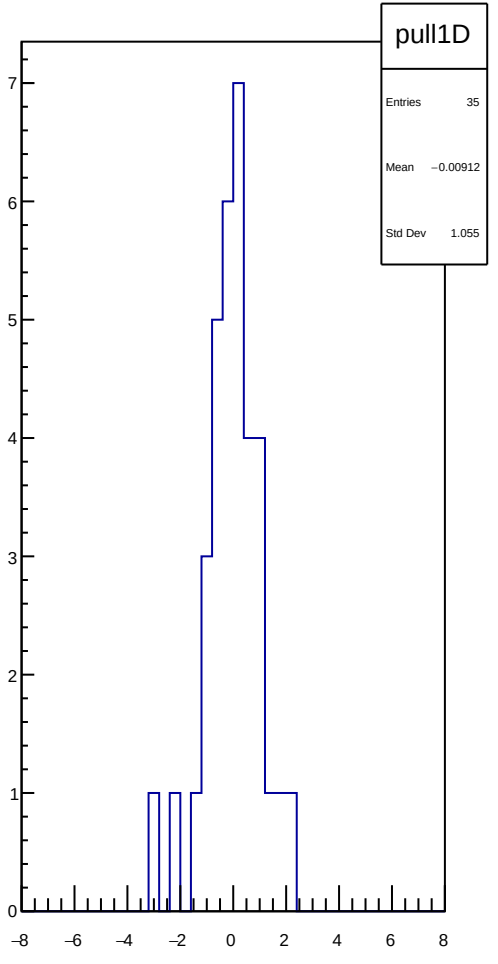

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.245e+04 / 34
p0 67.58 ± 0.08407
130
120
110
100
90
80
70
60
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

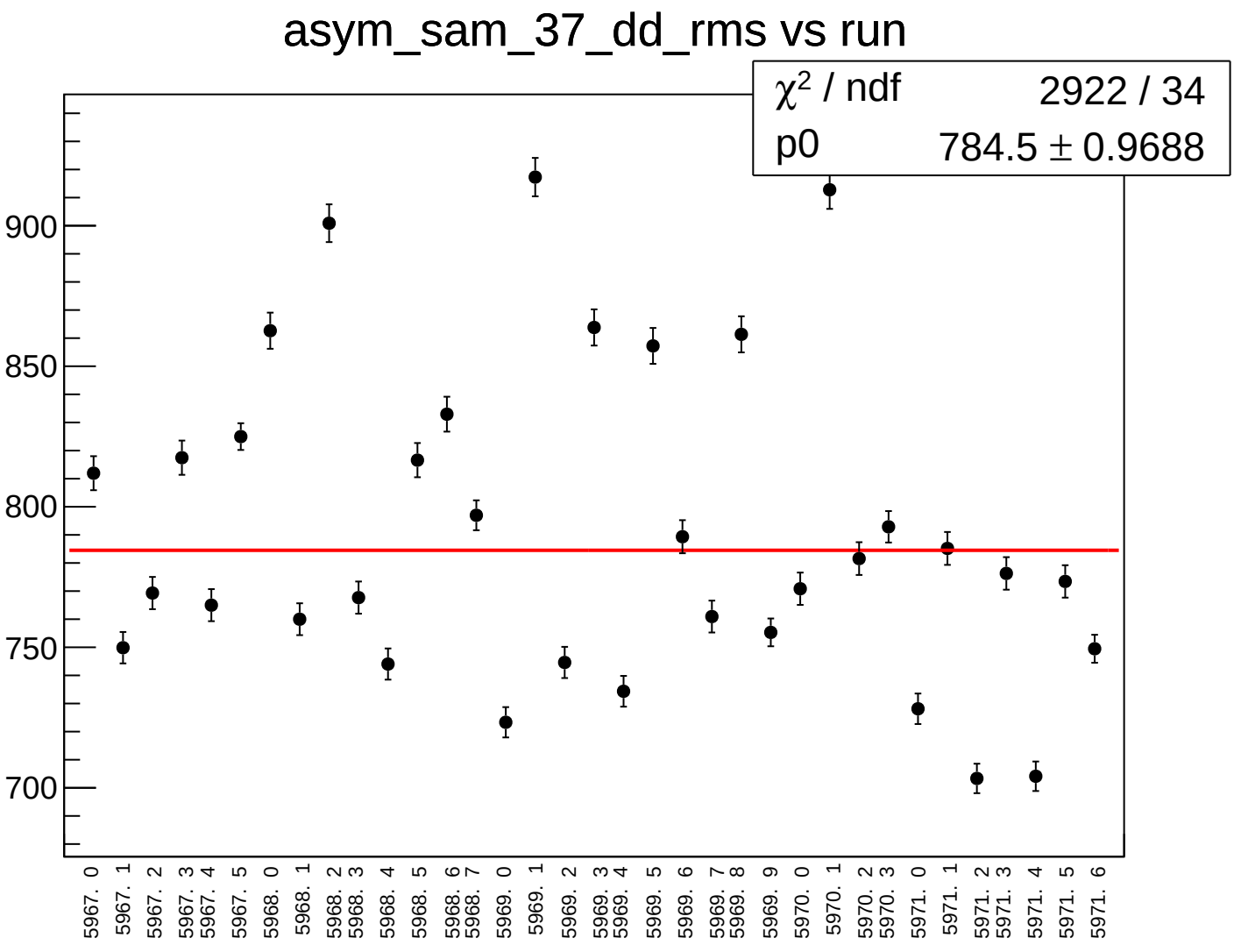

asym_sam_37_dd_correction_mean vs run
χ² / ndf 38.15 / 34
p0 −1261 ± 1391
40000
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 29.22
Std Dev 34.46
3
2
1
0
−1
−2

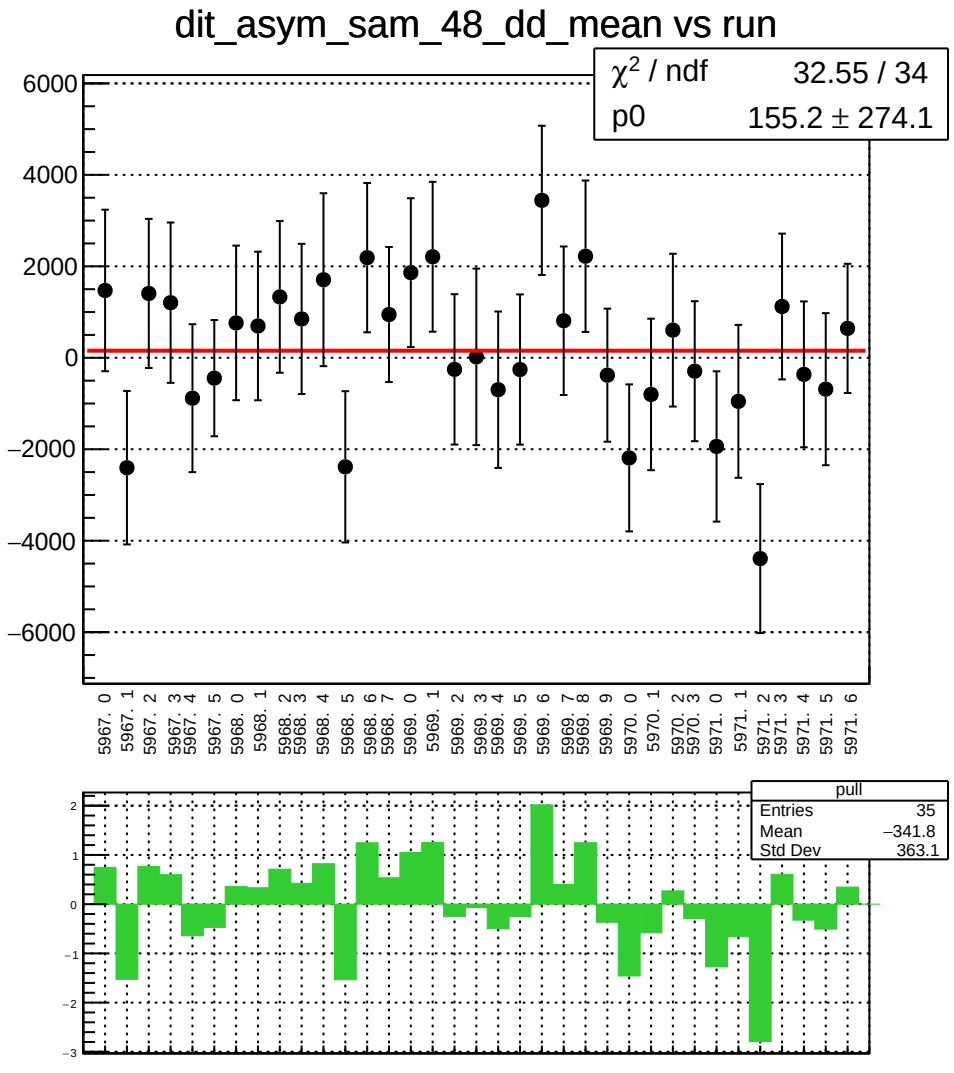

pull1D
Entries 35
Mean 0.01418
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

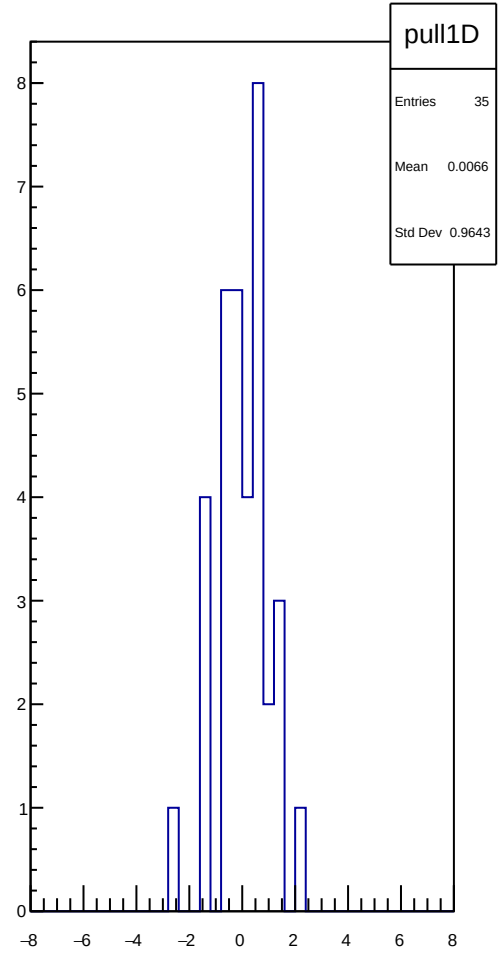

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2321 / 34
p0 796.7 ± 0.9834
900
850
800
750
700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

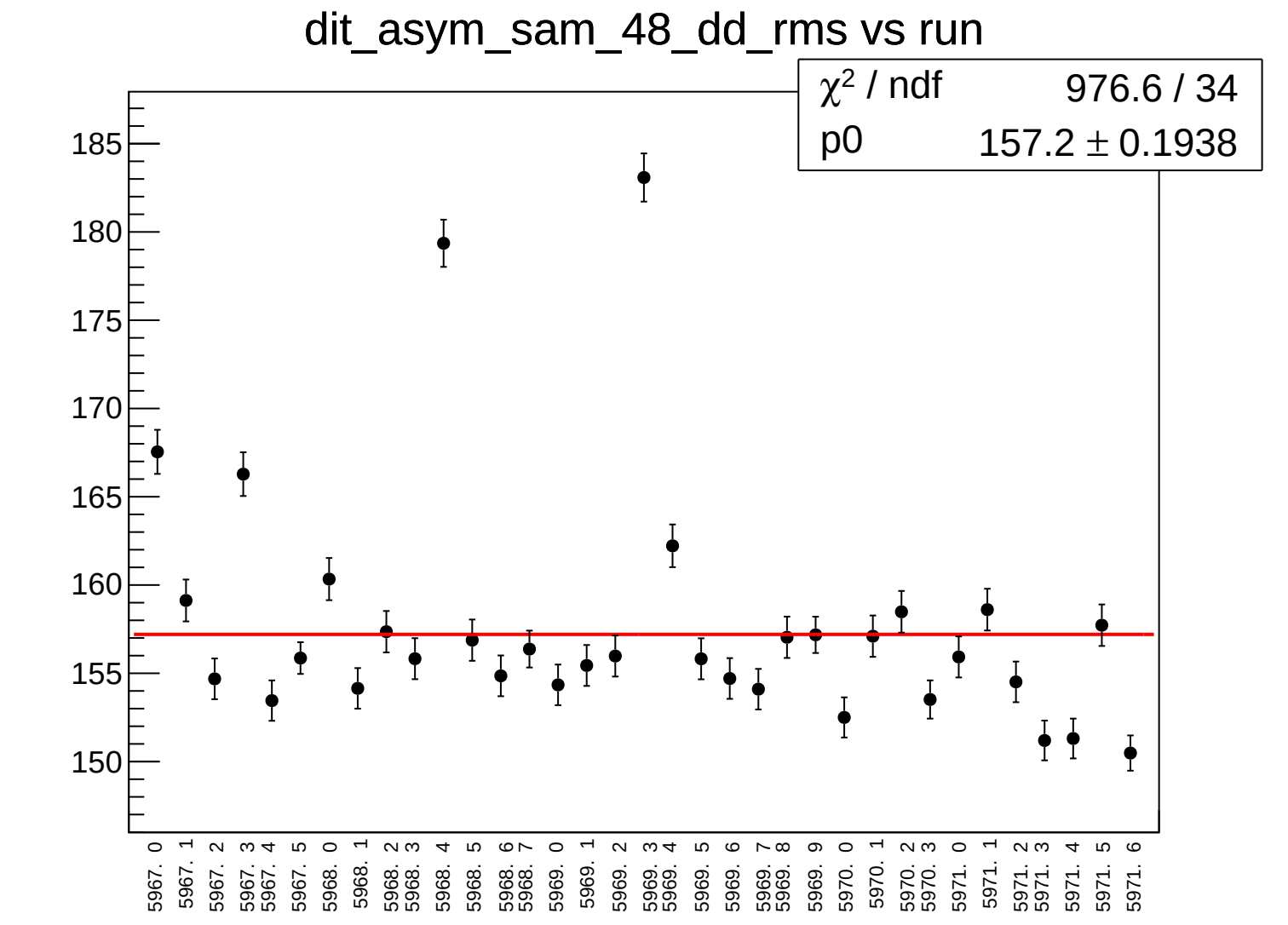

asym_sam_37_dd_mean vs run
χ² / ndf 38.94 / 34
p0 1371 ± 1370
30000
20000
10000
0
−10000
−20000
−30000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 45.14
Std Dev 49.31
2
1
0
−1
−2
−3

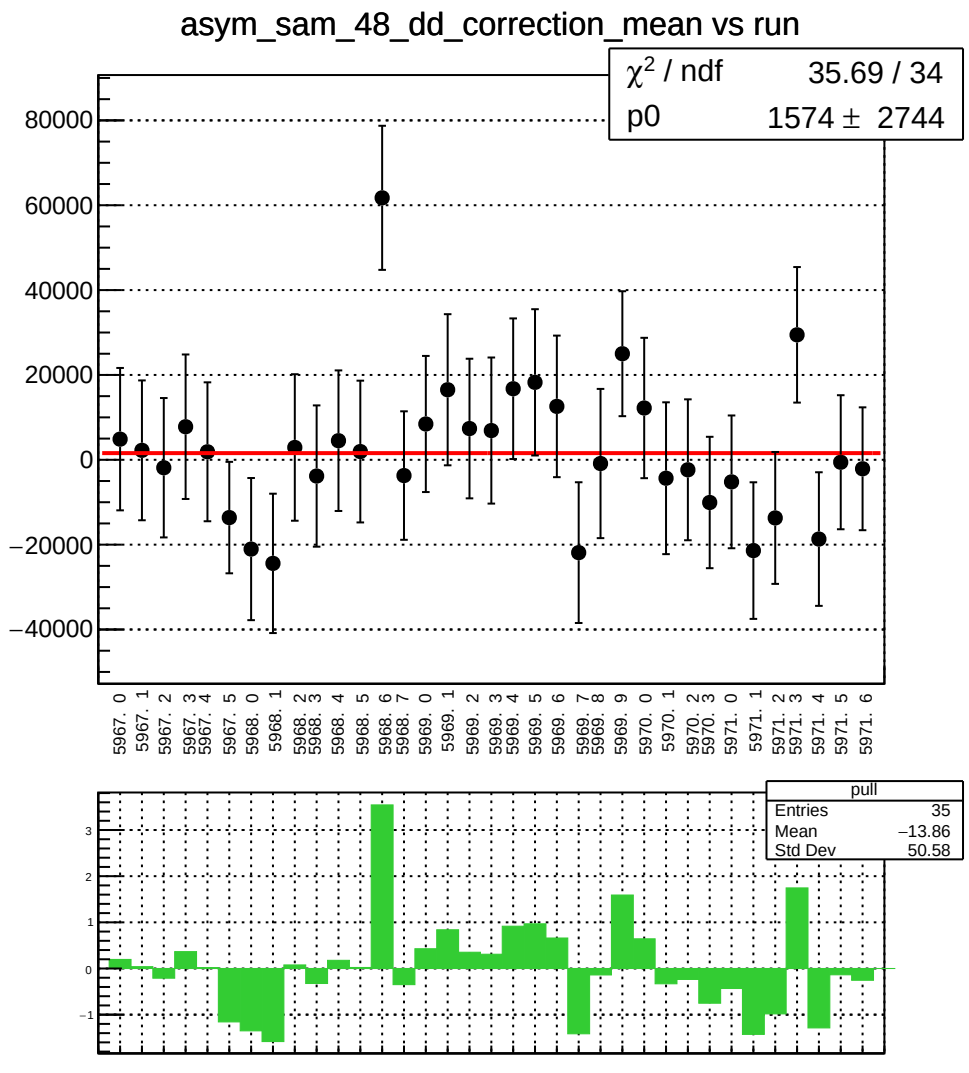

pull1D
Entries 35
Mean −0.00912
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

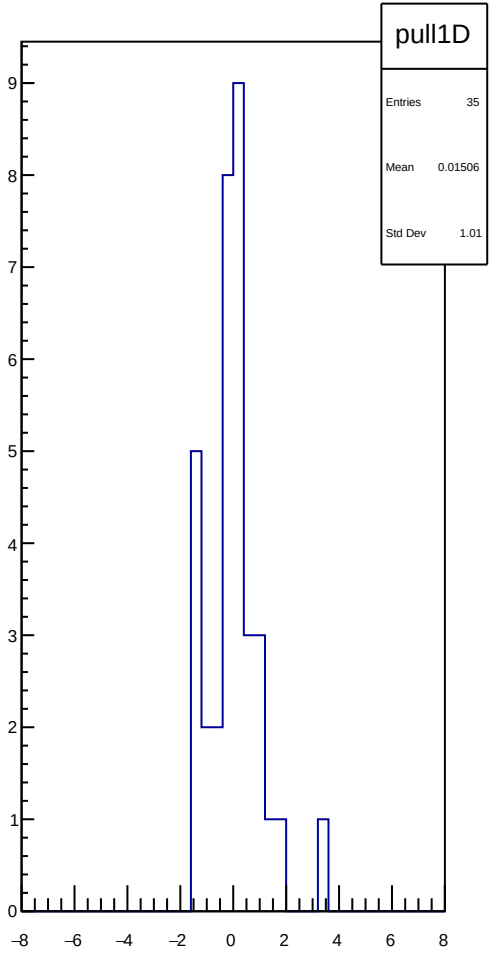

asym_sam_37_dd_rms vs run
χ² / ndf 2922 / 34
p0 784.5 ± 0.9688
900
850
800
750
700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

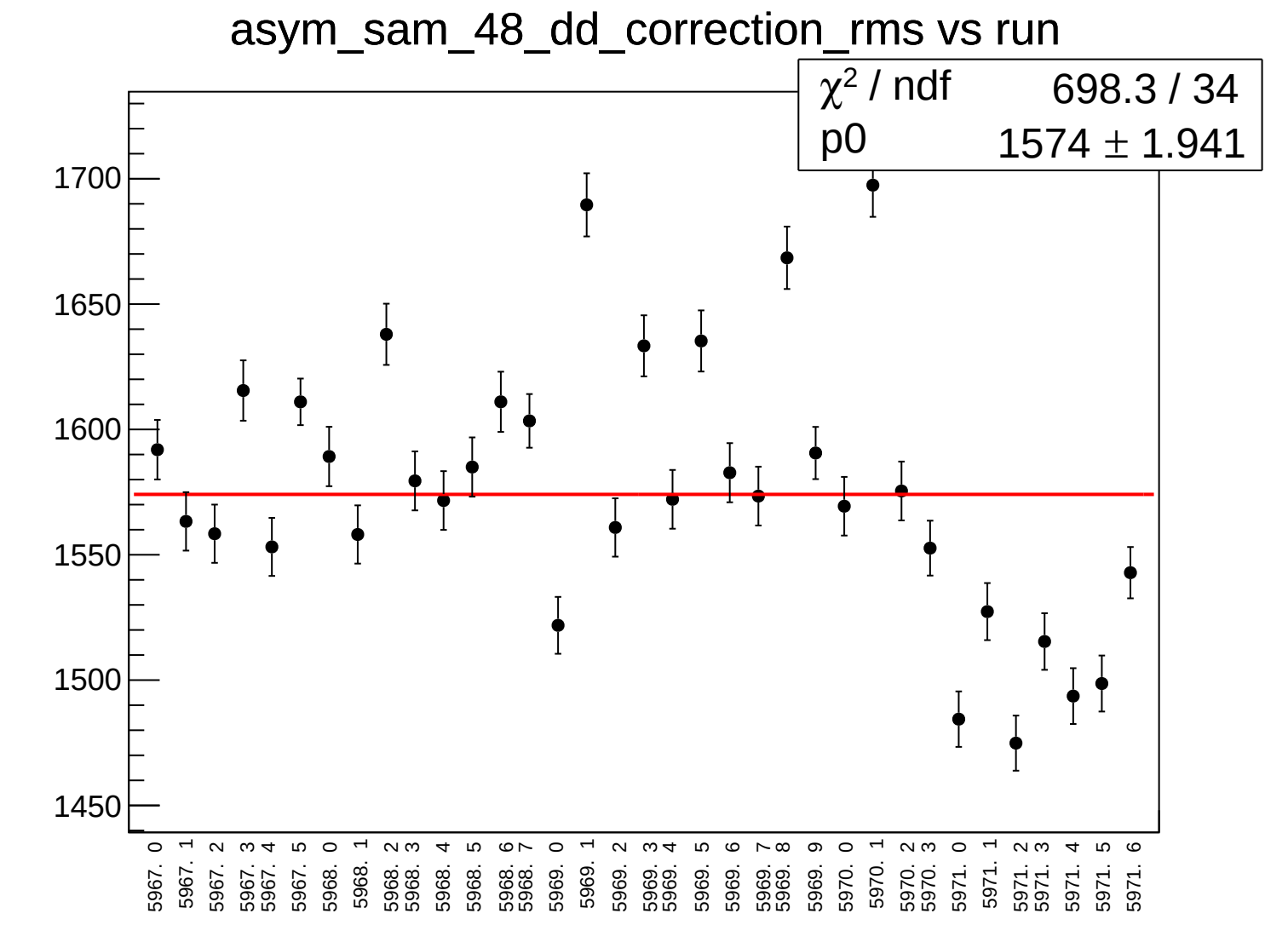

dit_asym_sam_48_dd_mean vs run
χ² / ndf 32.55 / 34
p0 155.2 ± 274.1
6000
4000
2000
0
−2000
−4000
−6000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −341.8
Std Dev 363.1
2
1
0
−1
−2
−3

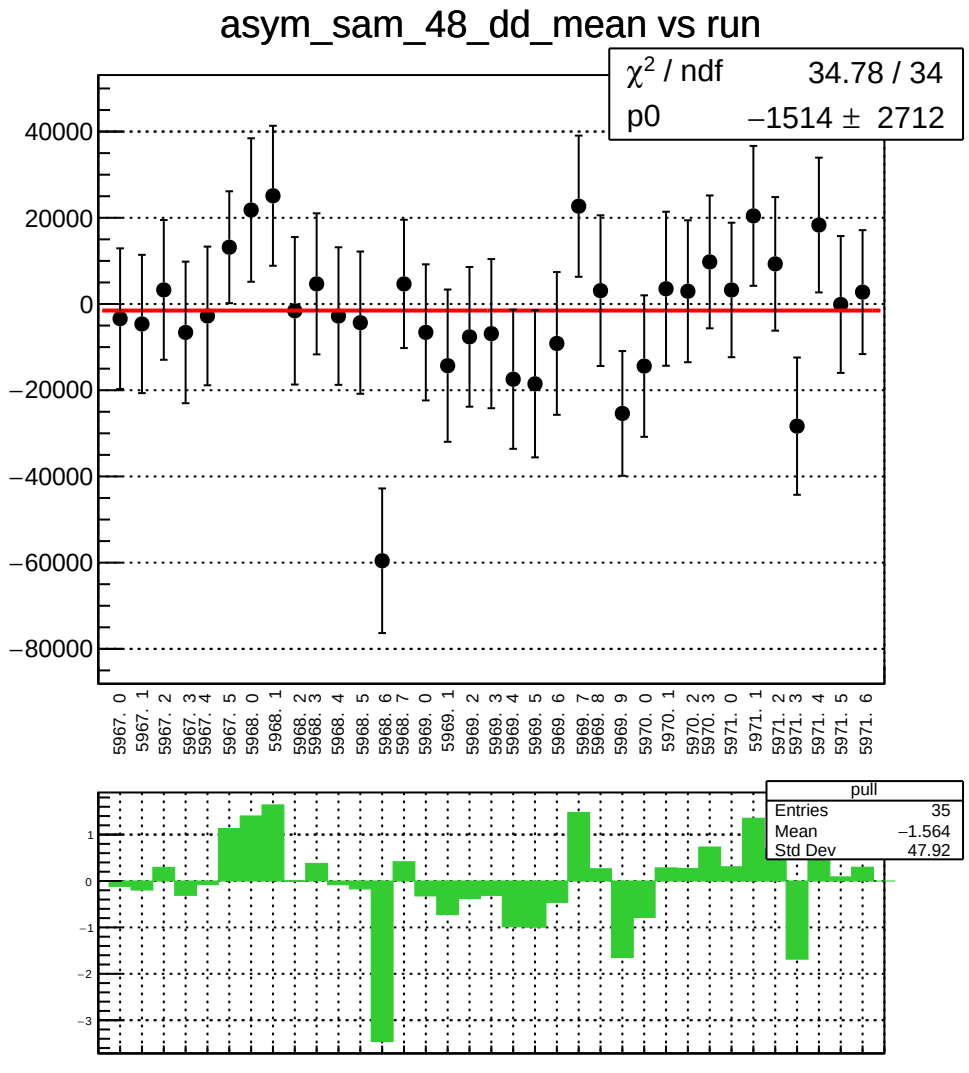

pull1D
Entries 35
Mean 0.0066
Std Dev 0.9643
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

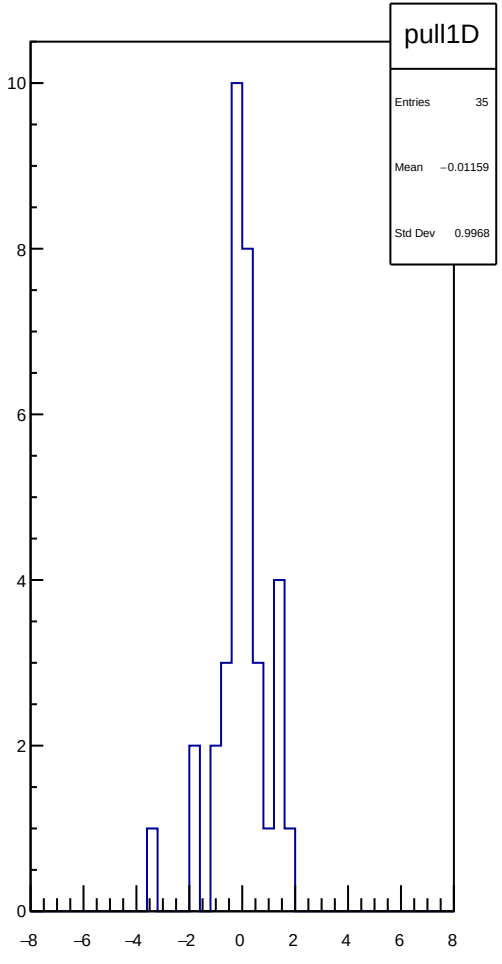

dit_asym_sam_48_dd_rms vs run
χ² / ndf 976.6 / 34
p0 157.2 ± 0.1938
185
180
175
170
165
160
155
150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

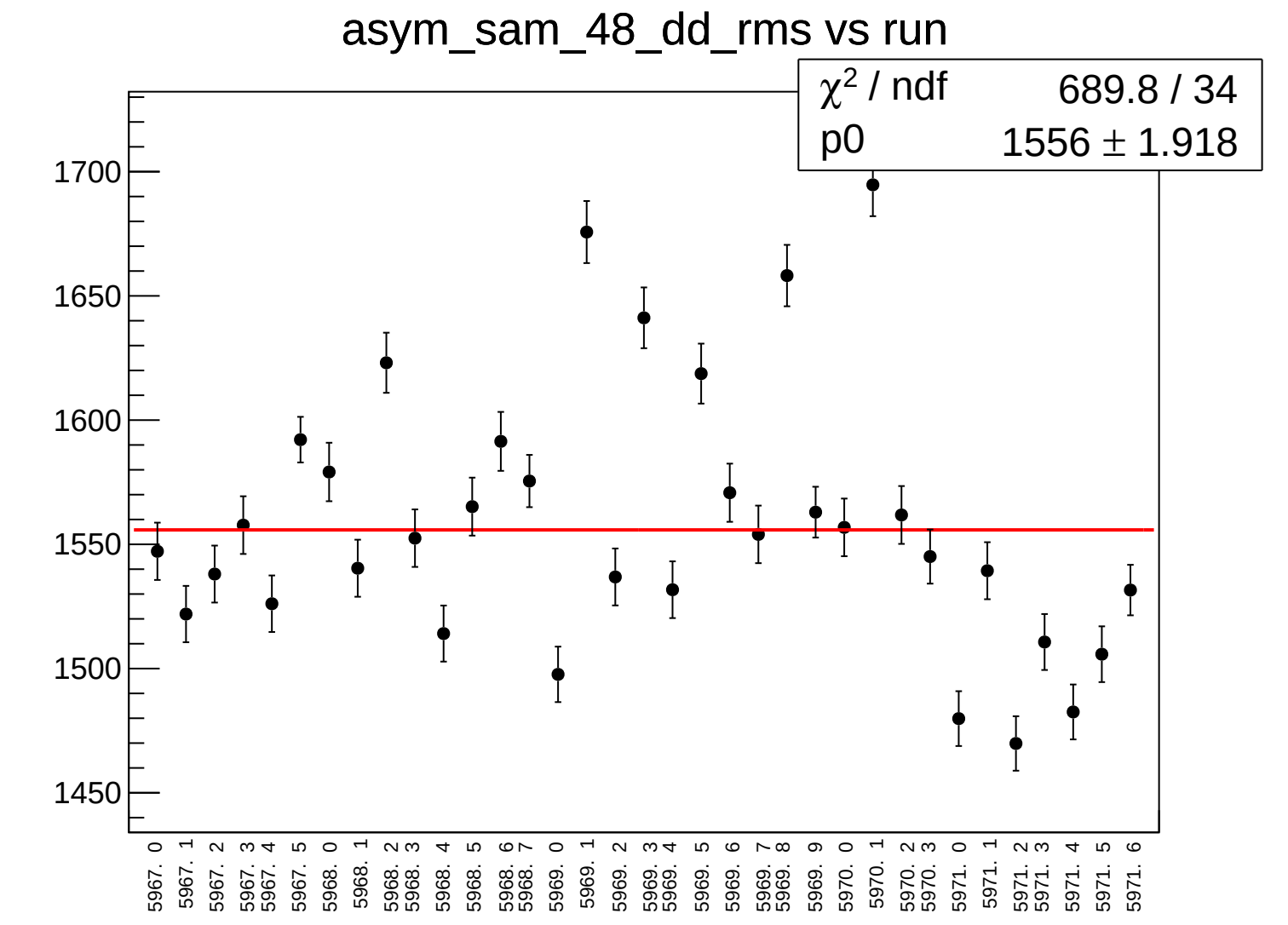

asym_sam_48_dd_correction_mean vs run
χ² / ndf 35.69 / 34
p0 1574 ± 2744
80000
60000
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −13.86
Std Dev 50.58
3
2
1
0
−1

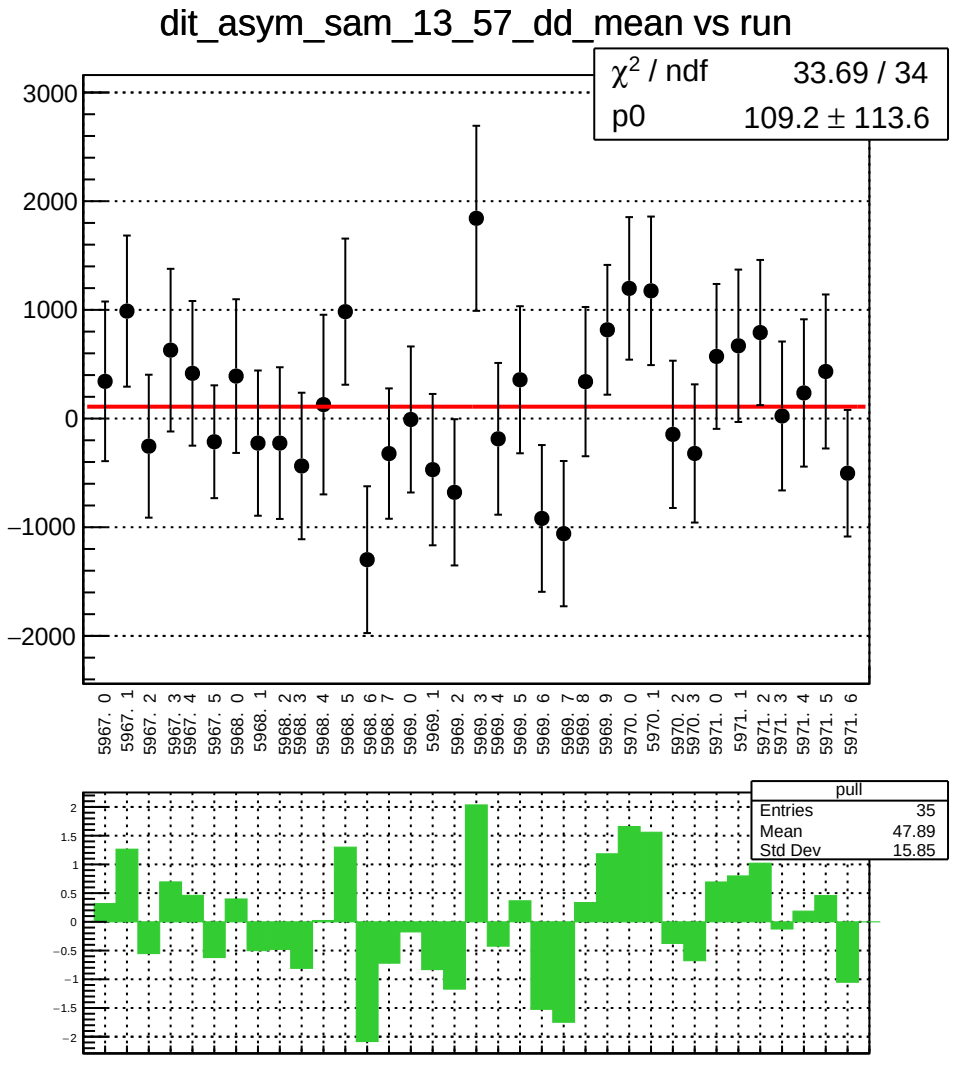

pull1D
Entries 35
Mean 0.01506
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

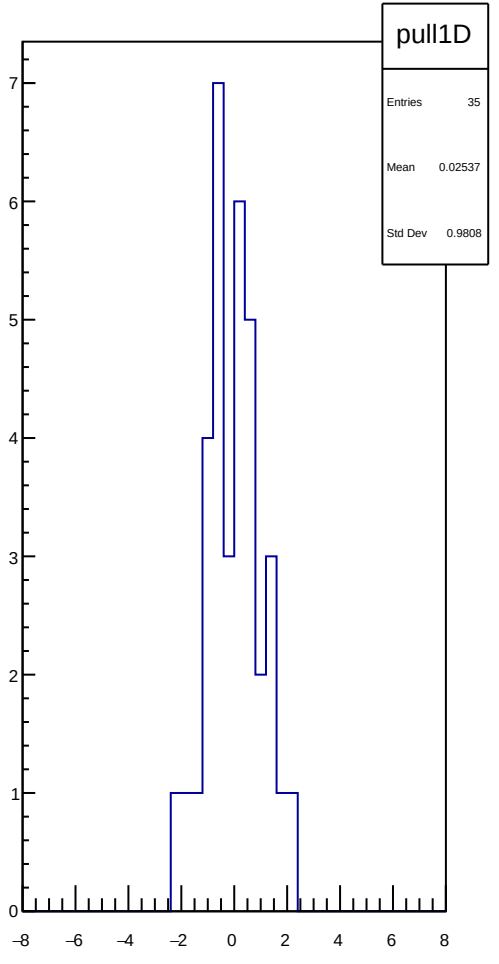

asym_sam_48_dd_correction_rms vs run
χ² / ndf 698.3 / 34
p0 1574 ± 1.941
1700
1650
1600
1550
1500
1450
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

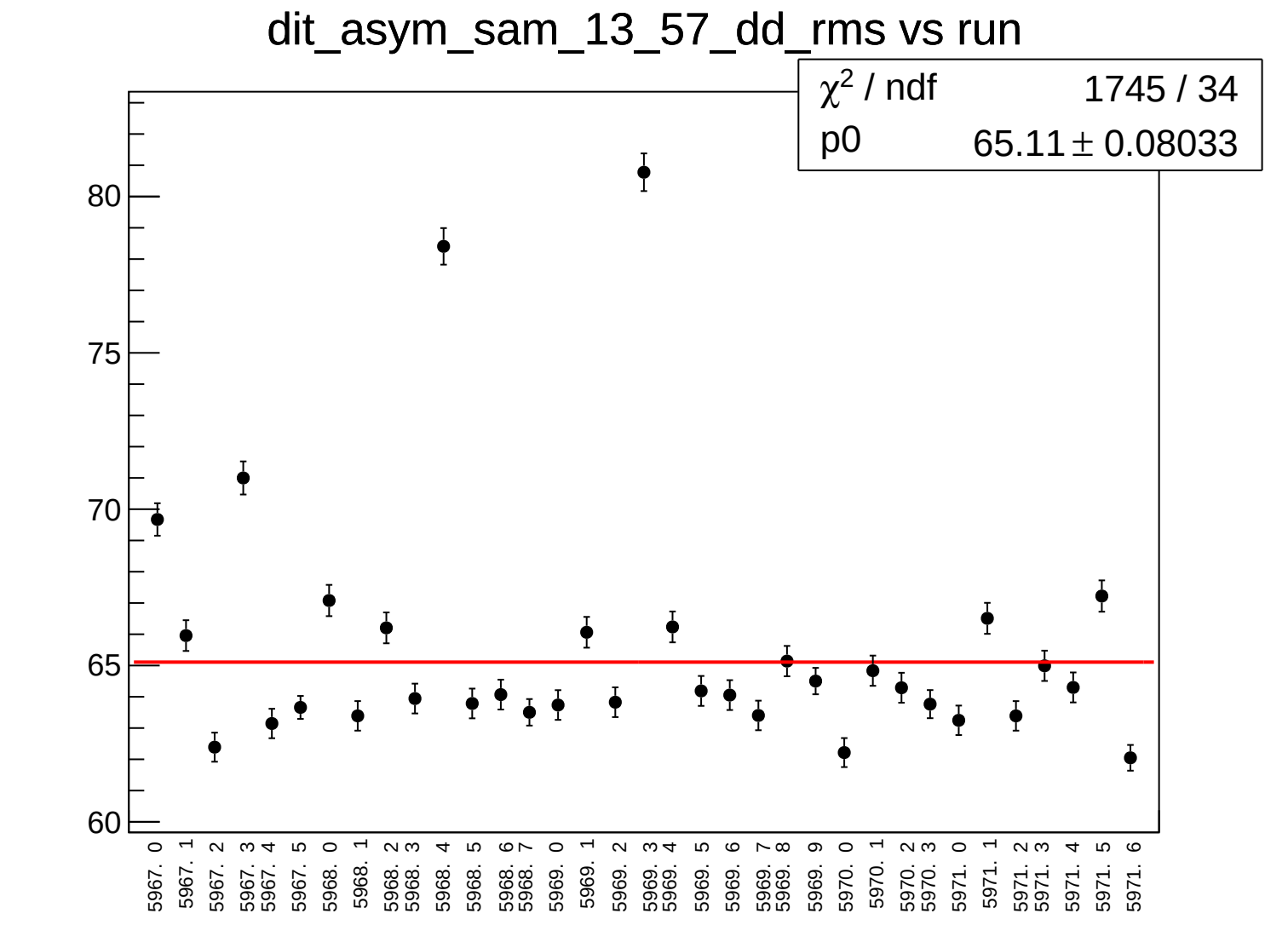

asym_sam_48_dd_mean vs run
χ² / ndf 34.78 / 34
p0 −1514 ± 2712
40000
20000
0
−20000
−40000
−60000
−80000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −1.564
Std Dev 47.92
1
0
−1
−2
−3

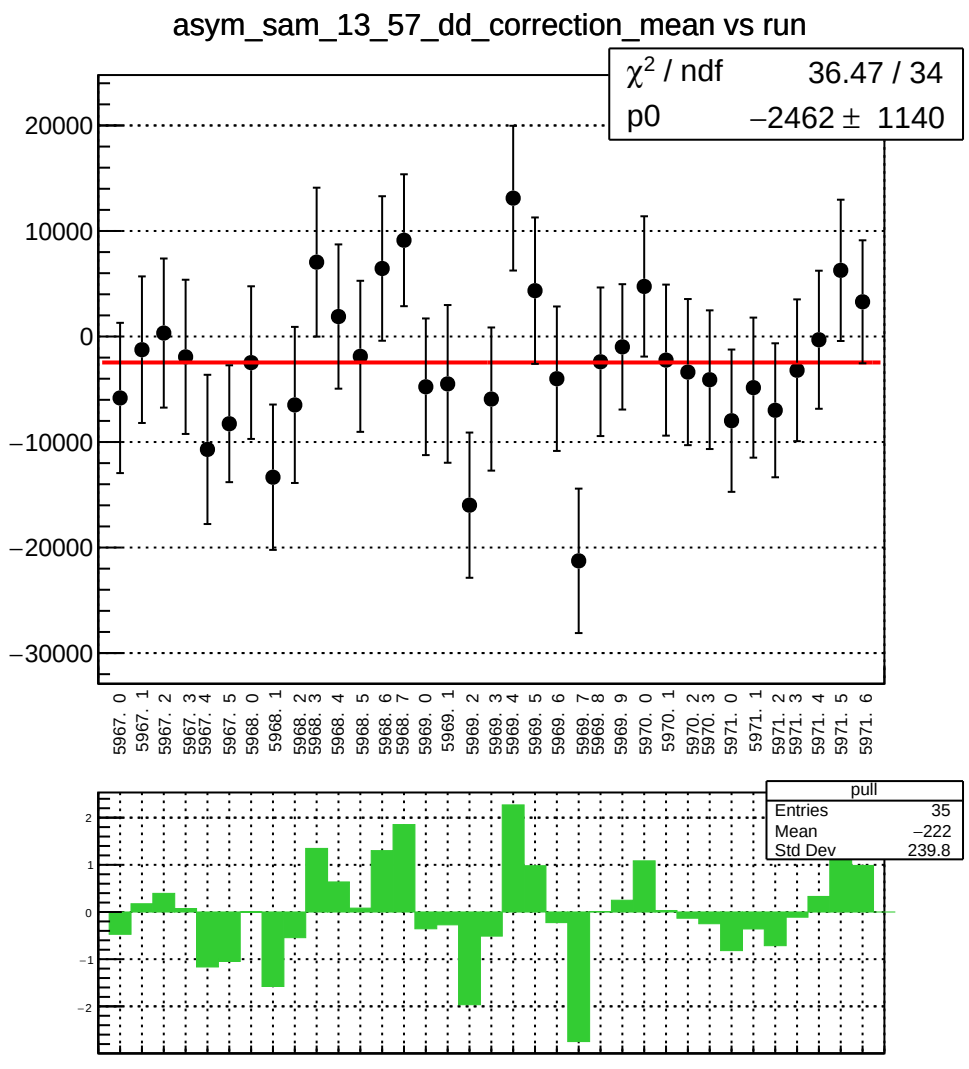

pull1D
Entries 35
Mean −0.01159
Std Dev 0.9968
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

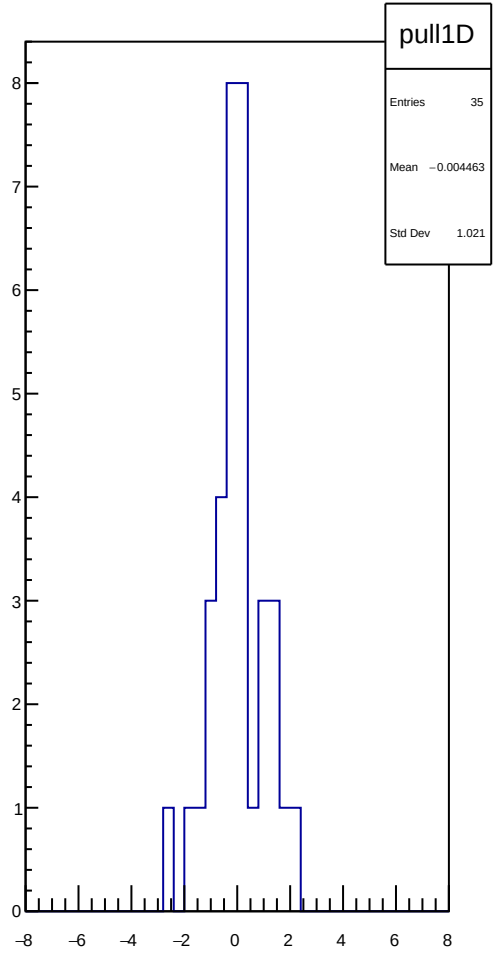

asym_sam_48_dd_rms vs run
χ² / ndf 689.8 / 34
p0 1556 ± 1.918
1700
1650
1600
1550
1500
1450
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

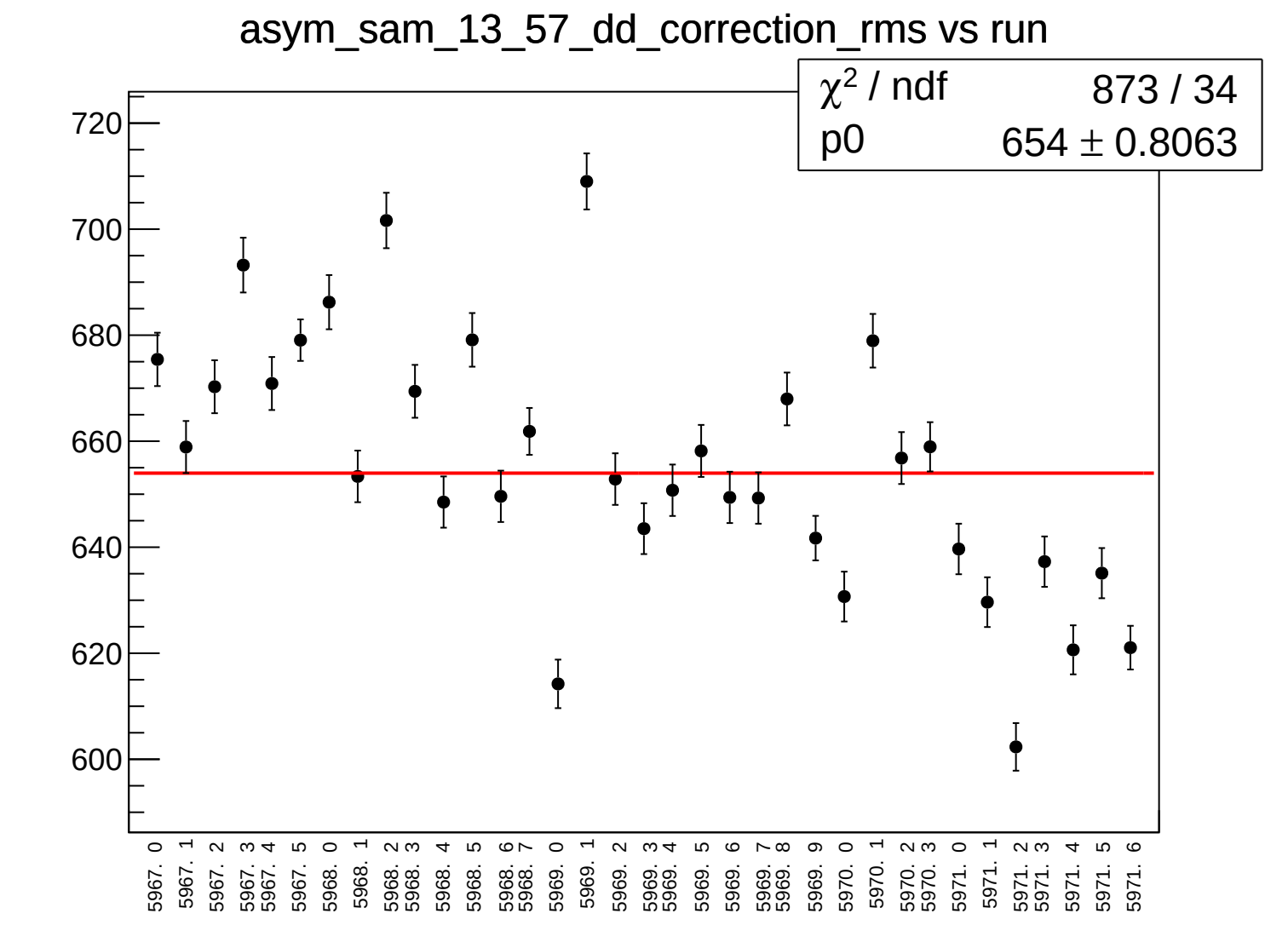

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 33.69 / 34
p0 109.2 ± 113.6
3000
2000
1000
0
−1000
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 47.89
Std Dev 15.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

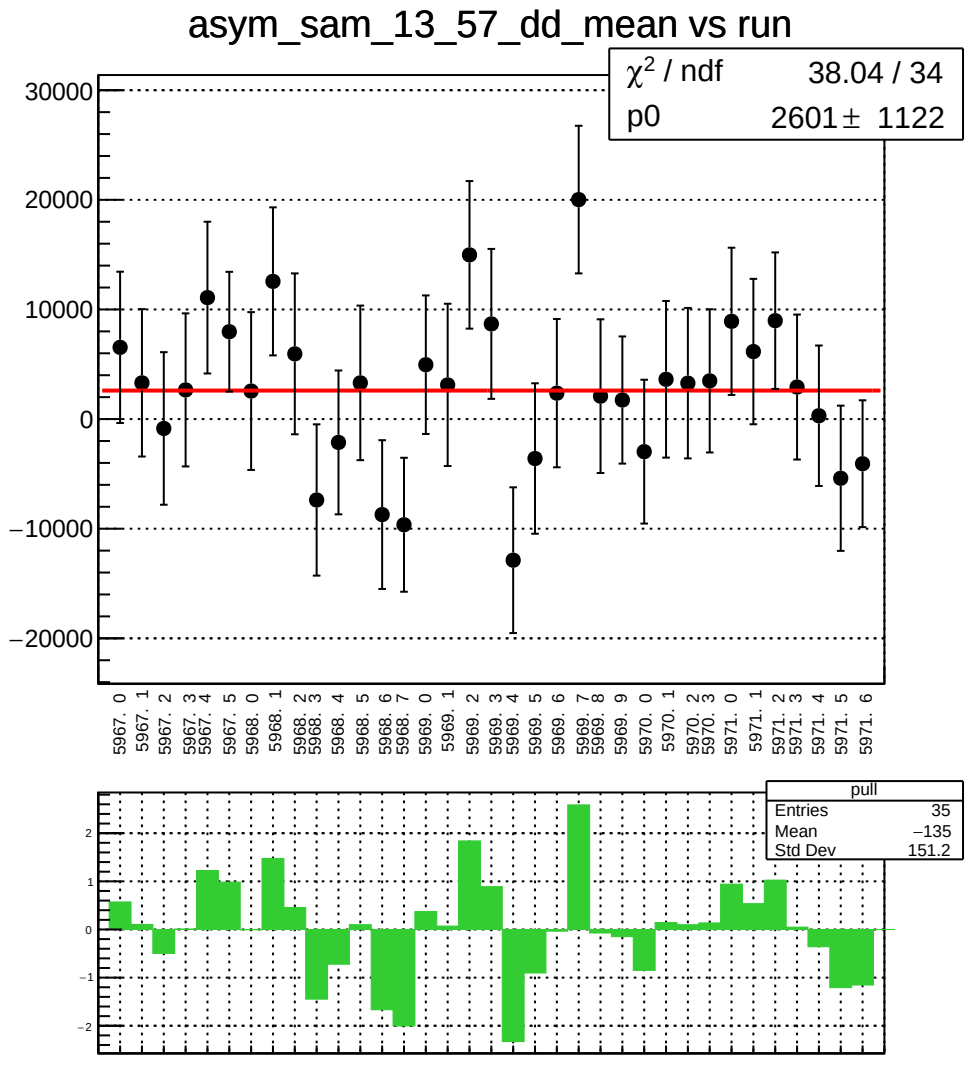

pull1D
Entries 35
Mean 0.02537
Std Dev 0.9808
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

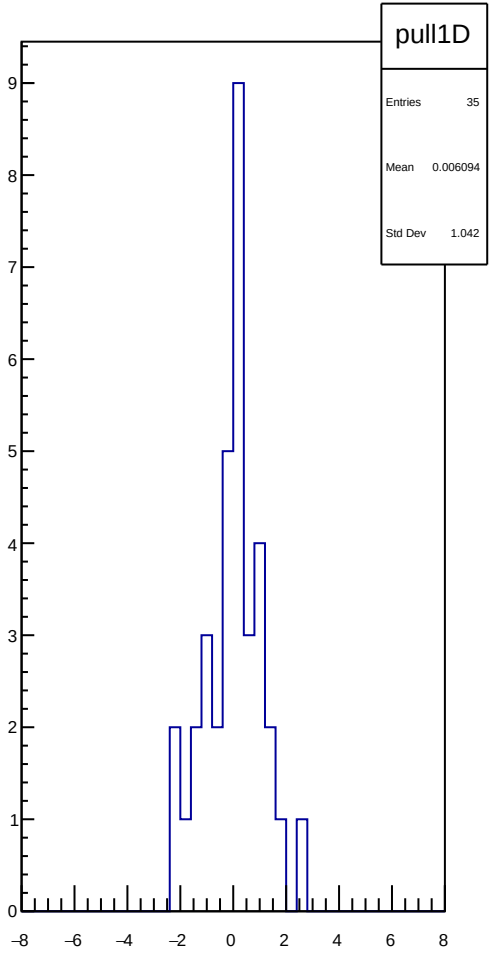

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1745 / 34
p0 65.11 ± 0.08033
80
75
70
65
60
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

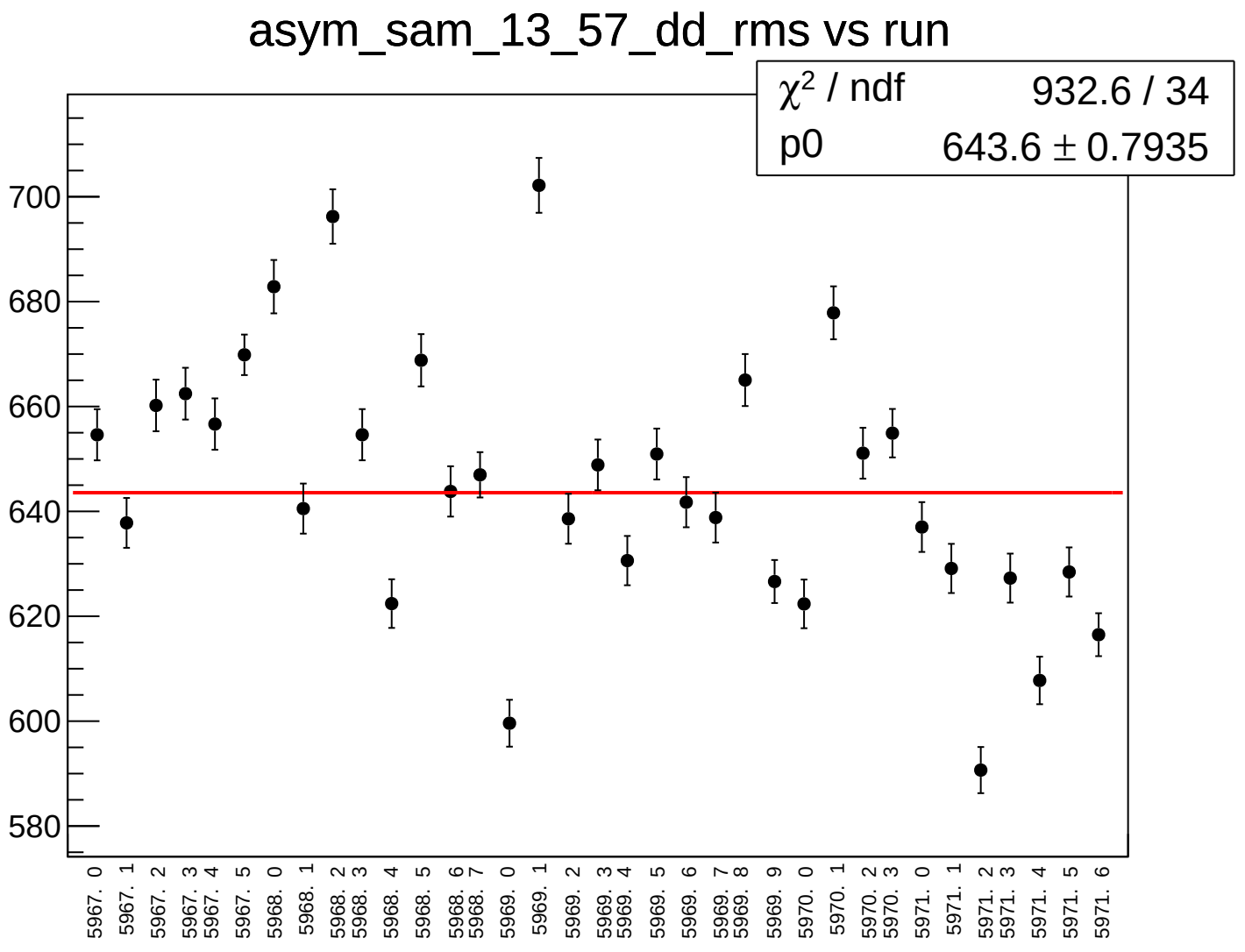

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 36.47 / 34
p0 −2462 ± 1140
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −222
Std Dev 239.8
2
1
0
−1
−2

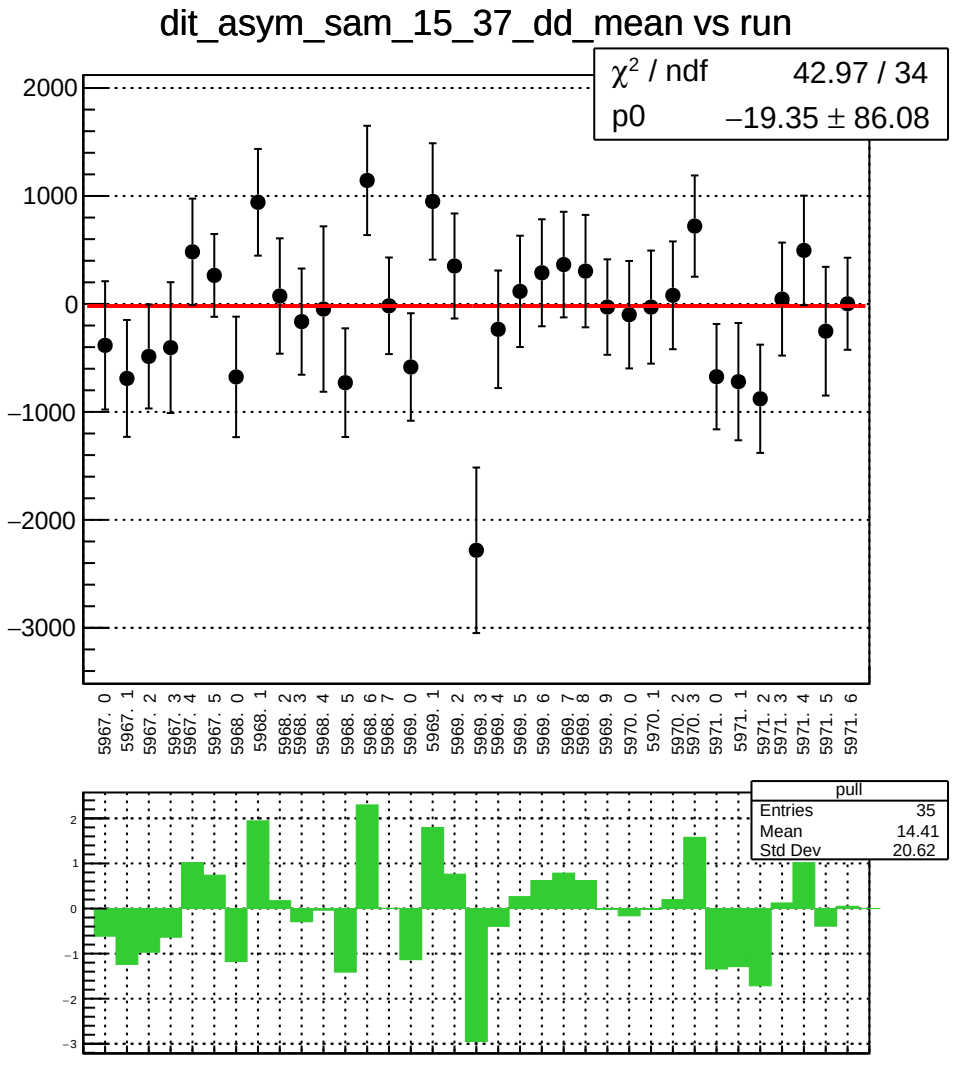

pull1D
Entries 35
Mean −0.004463
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

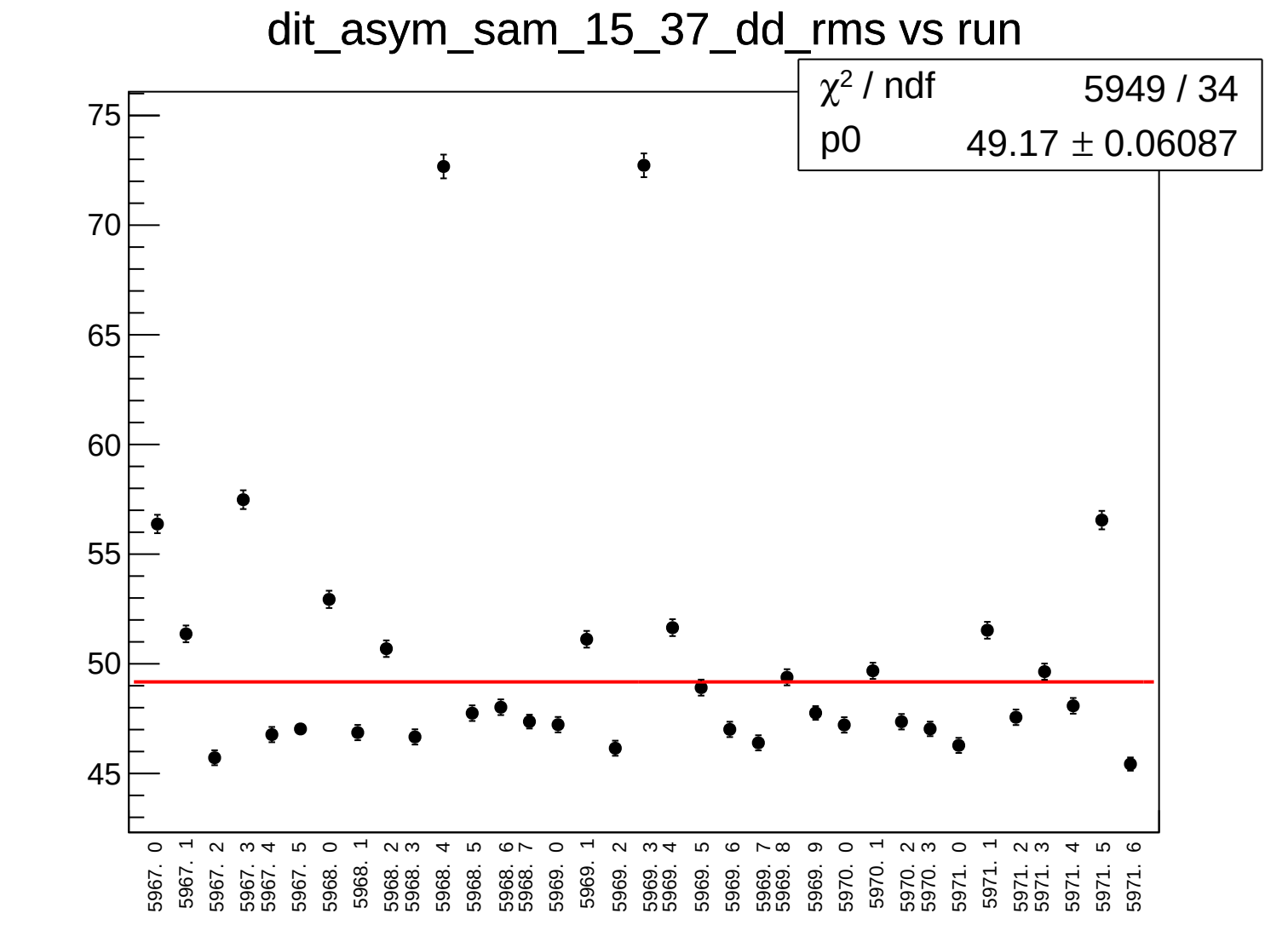

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 873 / 34
p0 654 ± 0.8063
720
700
680
660
640
620
600
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

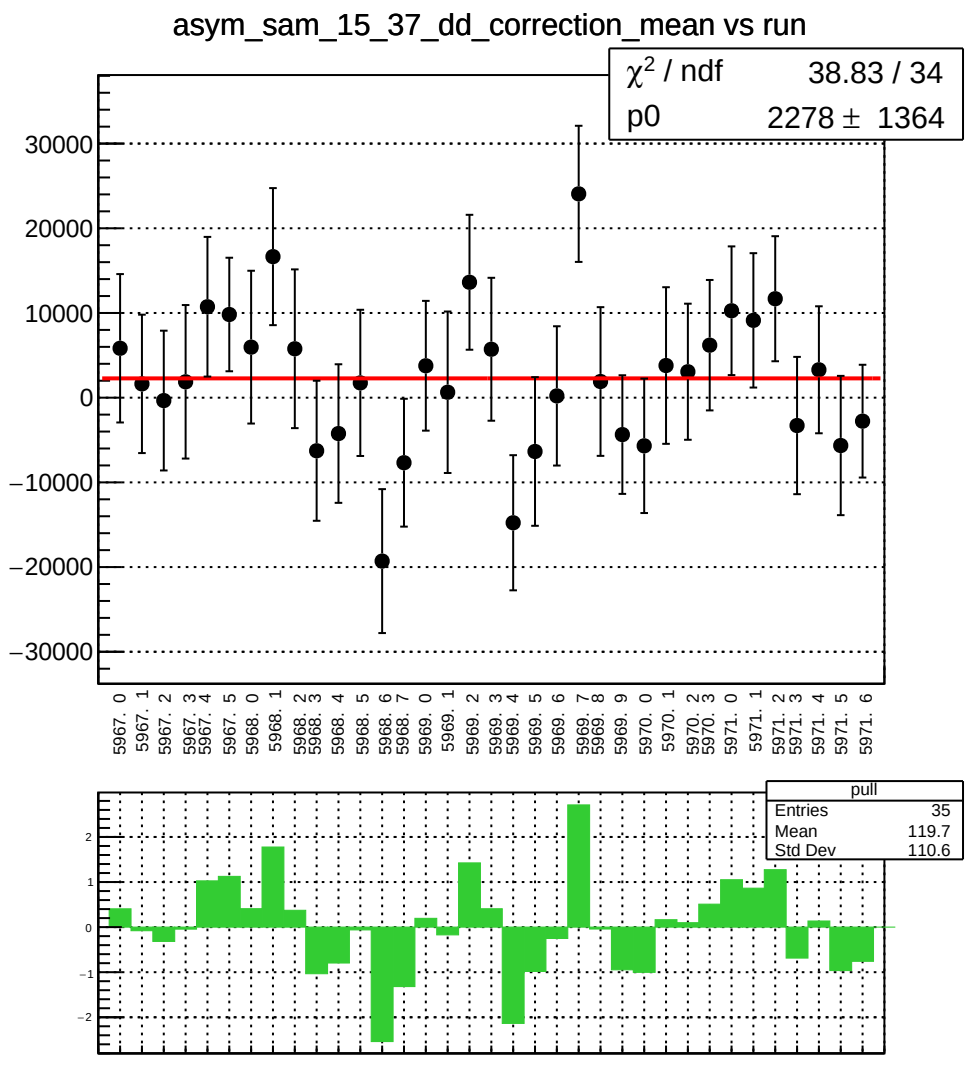

asym_sam_13_57_dd_mean vs run
χ² / ndf 38.04 / 34
p0 2601 ± 1122
30000
20000
10000
0
−10000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −135
Std Dev 151.2
2
1
0
−1
−2

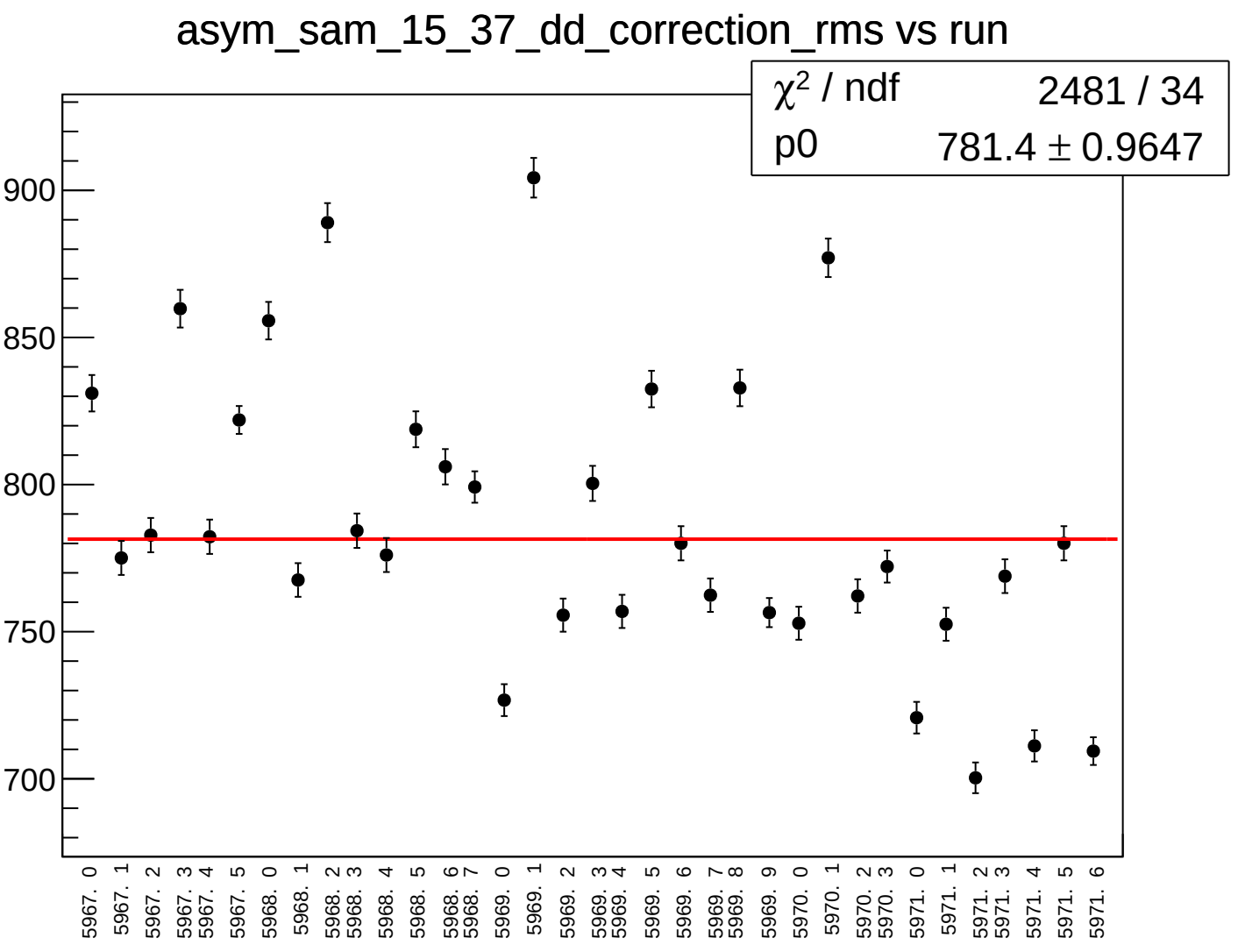

pull1D
Entries 35
Mean 0.006094
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

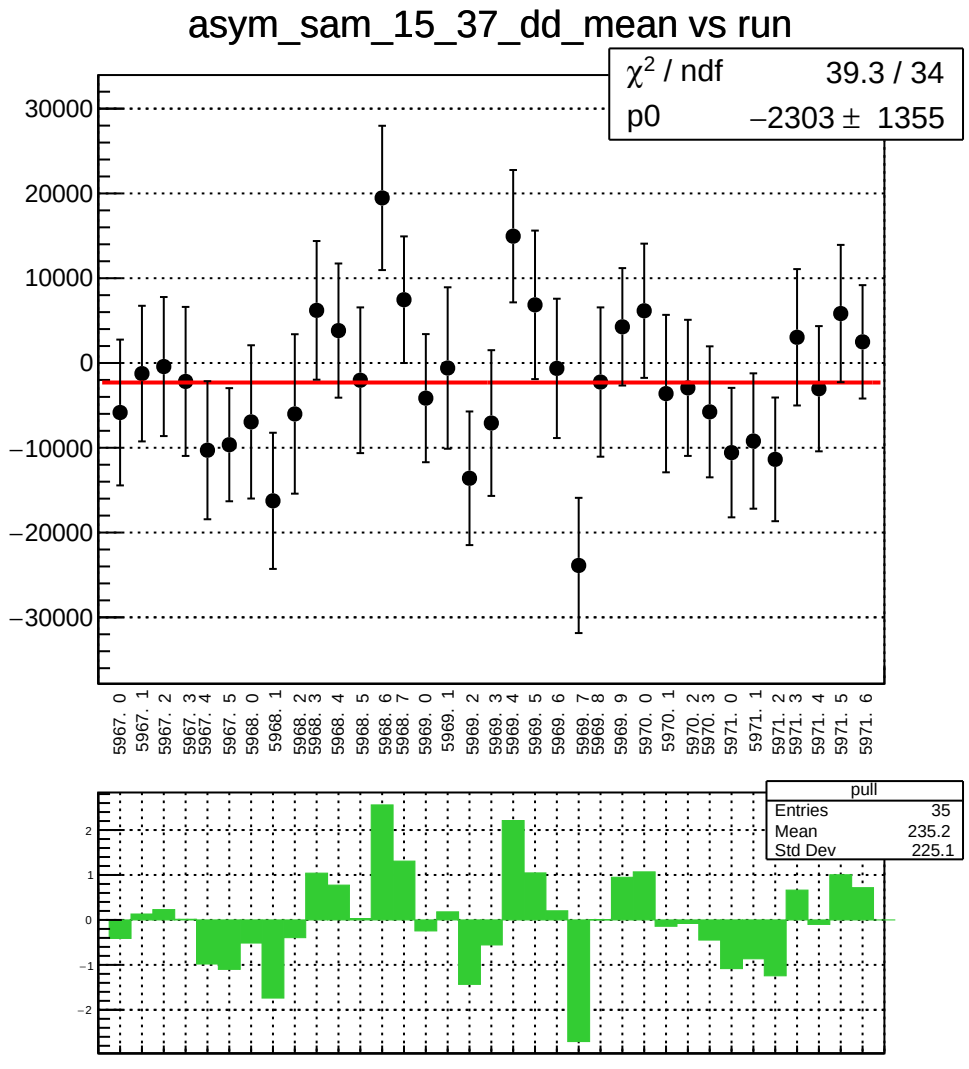

asym_sam_13_57_dd_rms vs run
χ² / ndf 932.6 / 34
p0 643.6 ± 0.7935
700
680
660
640
620
600
580
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

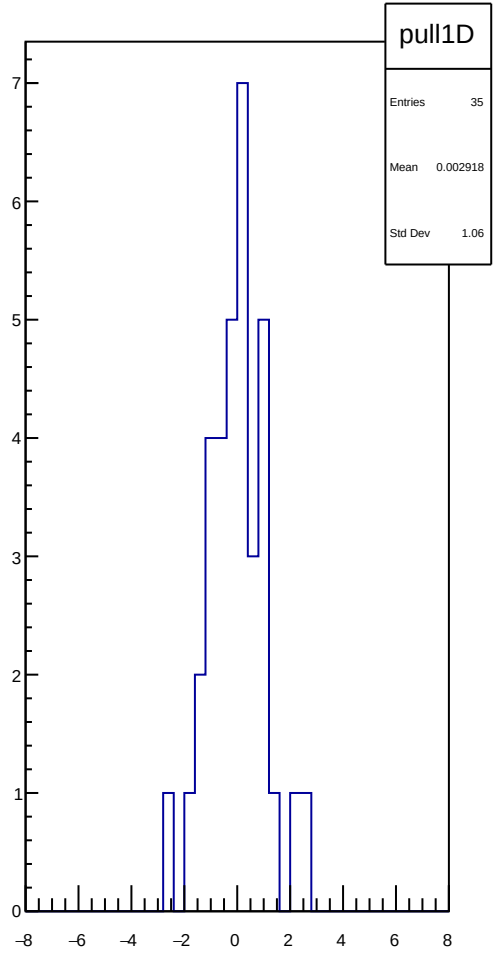

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 42.97 / 34
p0 −19.35 ± 86.08
2000
1000
0
−1000
−2000
−3000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 14.41
Std Dev 20.62
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean −0.05126
Std Dev 1.107
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

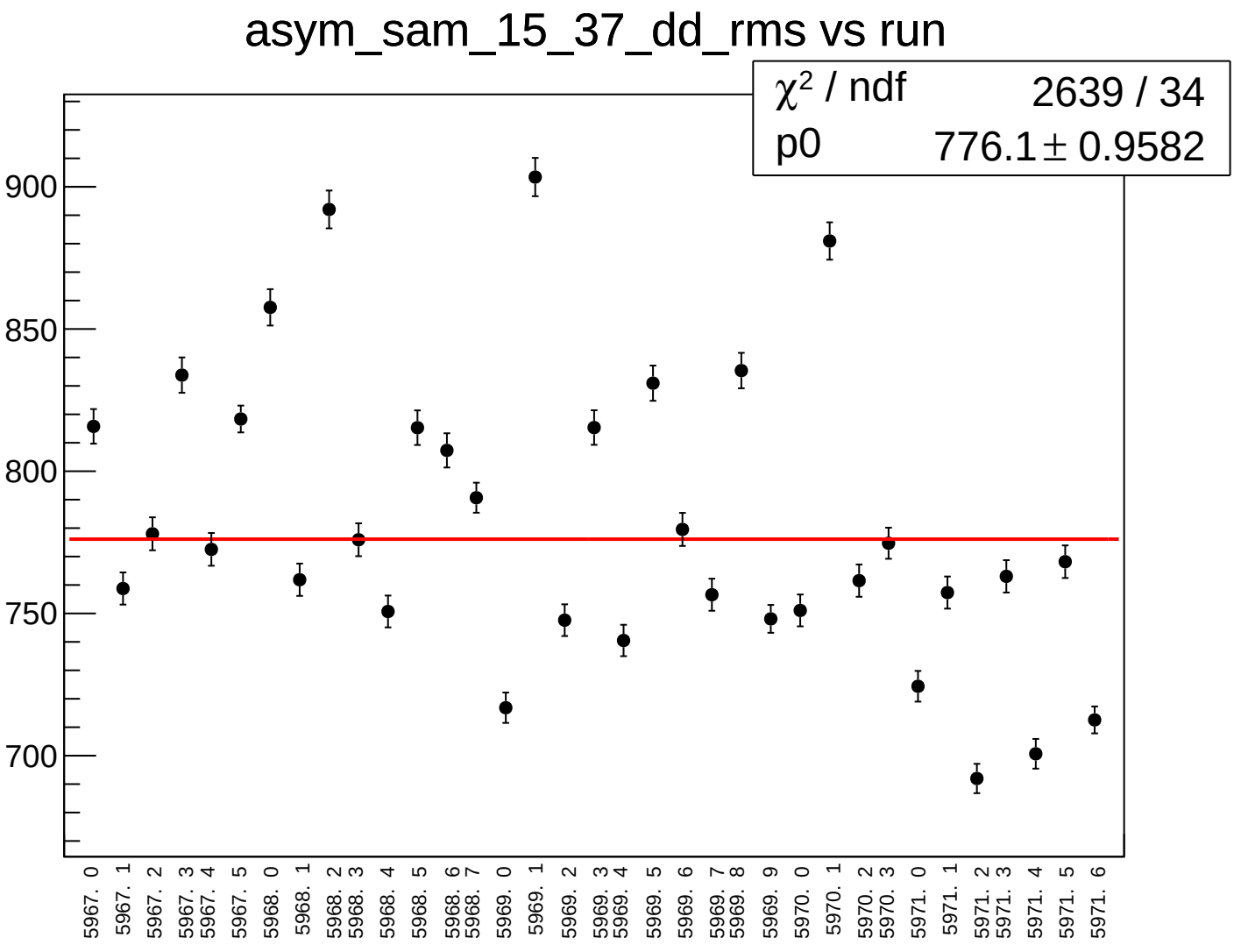

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 5949 / 34
p0 49.17 ± 0.06087
75
70
65
60
55
50
45
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

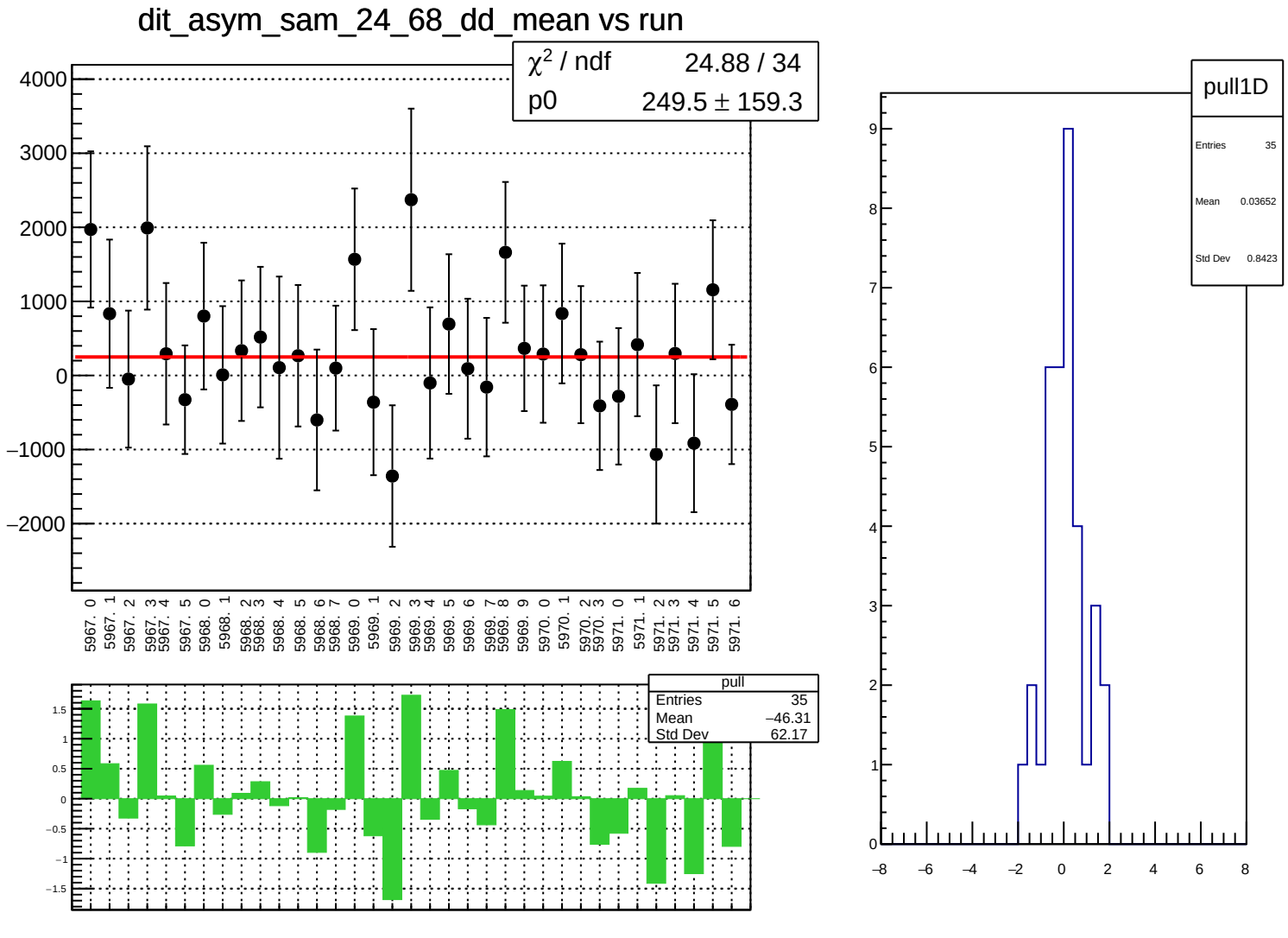

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 38.83 / 34
p0 2278 ± 1364
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 119.7
Std Dev 110.6
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.005384
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

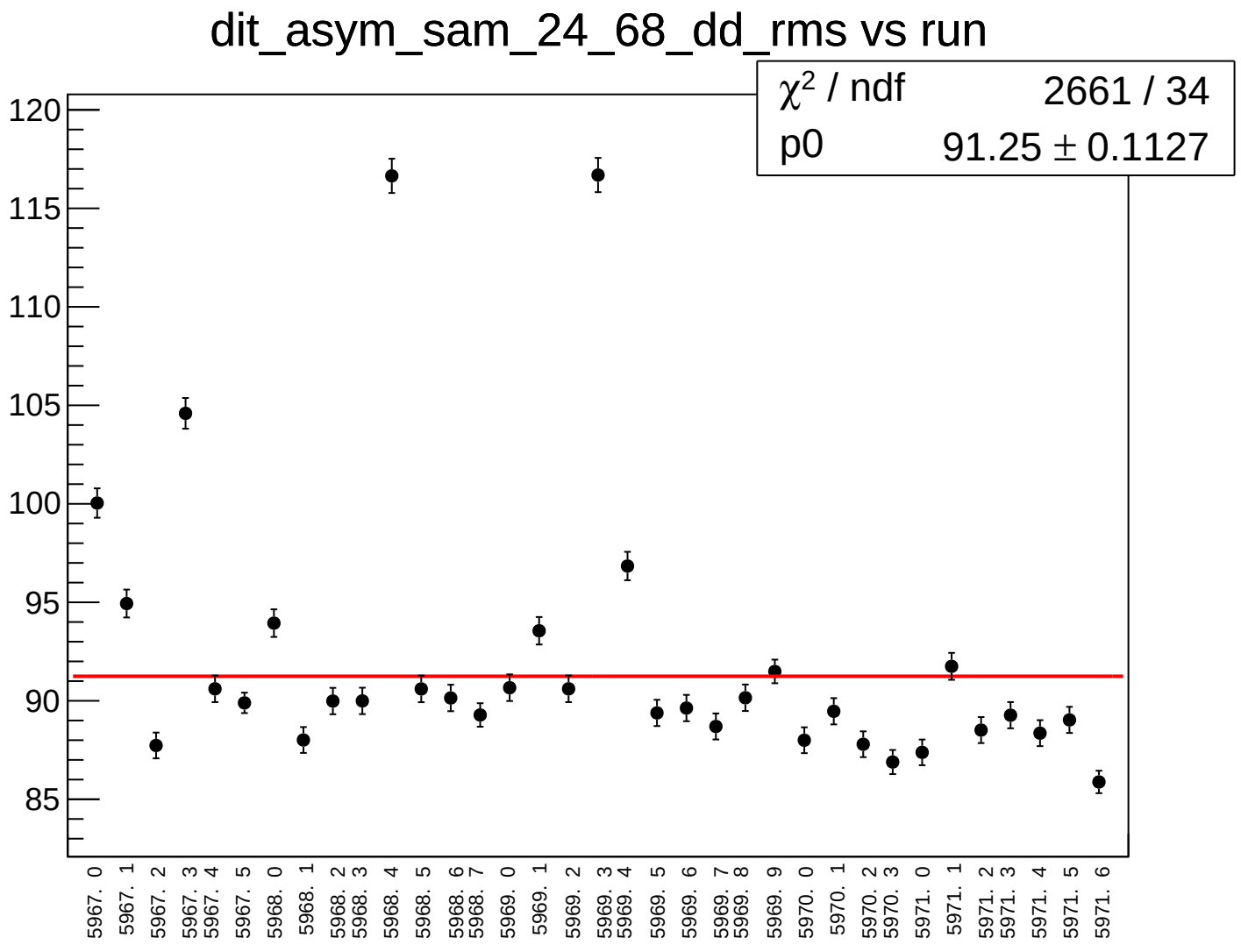

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2481 / 34
p0 781.4 ± 0.9647
900
850
800
750
700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

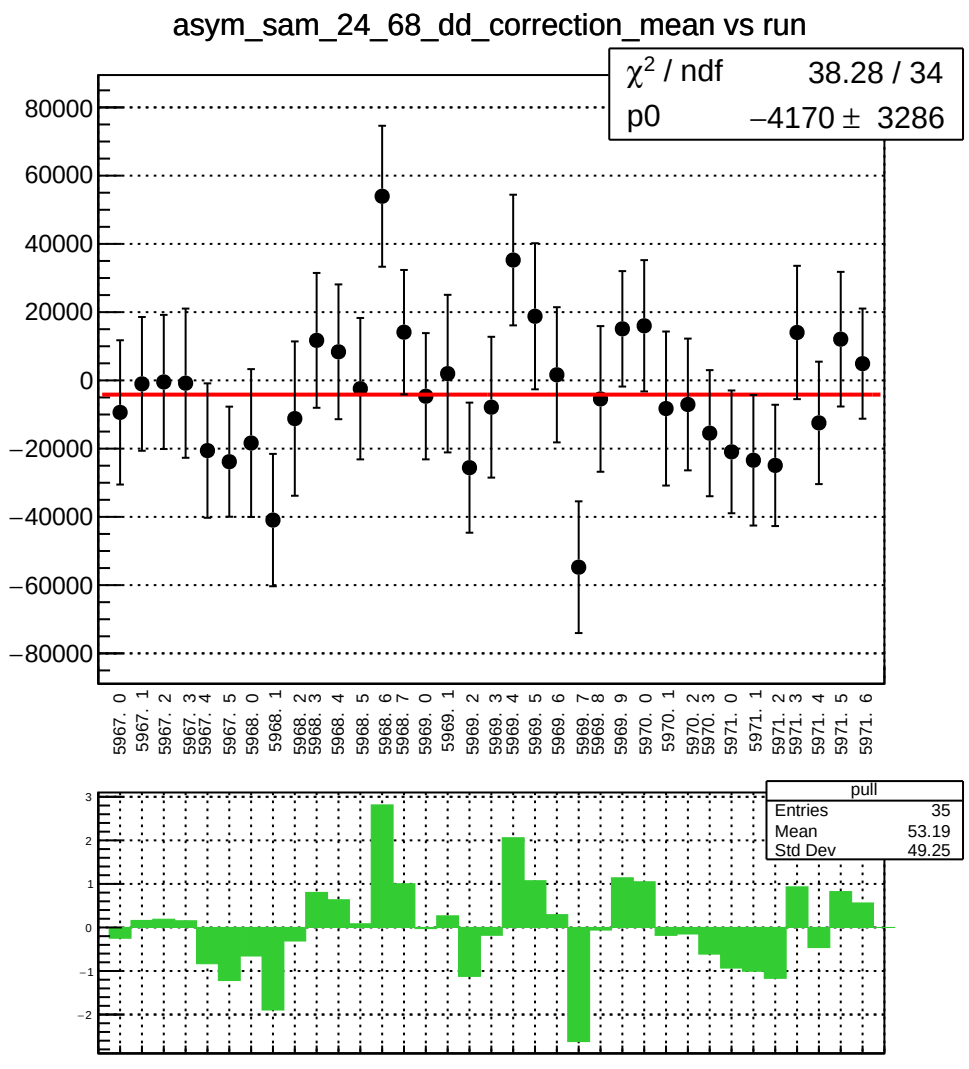

asym_sam_15_37_dd_mean vs run
χ² / ndf 39.3 / 34
p0 −2303 ± 1355
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 235.2
Std Dev 225.1
2
1
0
−1
−2

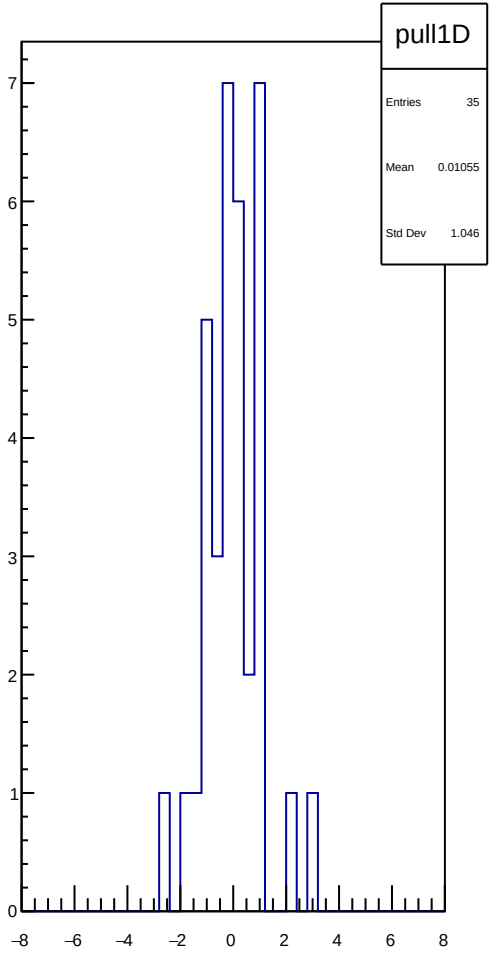

pull1D
Entries 35
Mean 0.002918
Std Dev 1.06
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

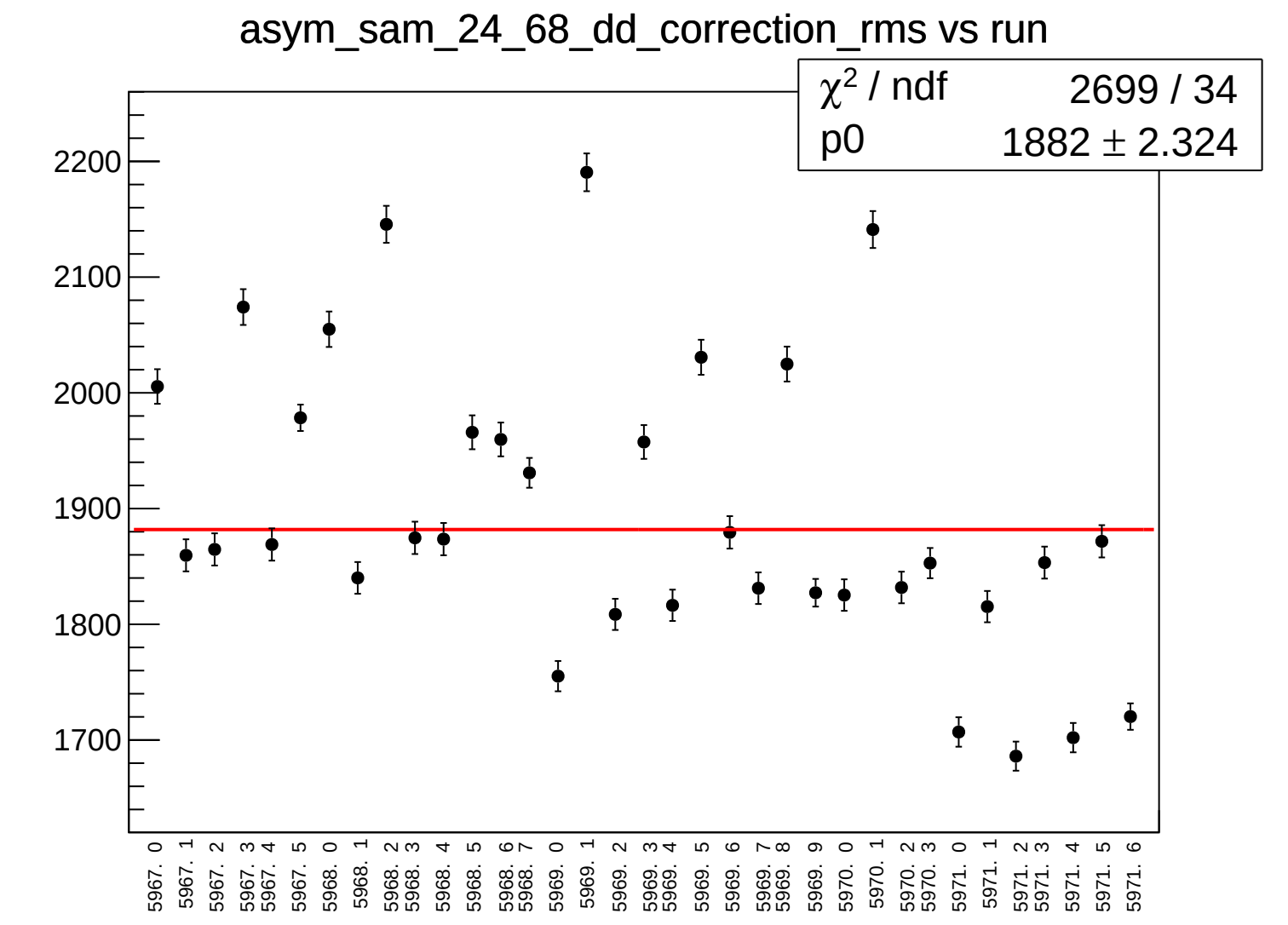

asym_sam_15_37_dd_rms vs run
χ² / ndf 2639 / 34
p0 776.1 ± 0.9582
900
850
800
750
700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

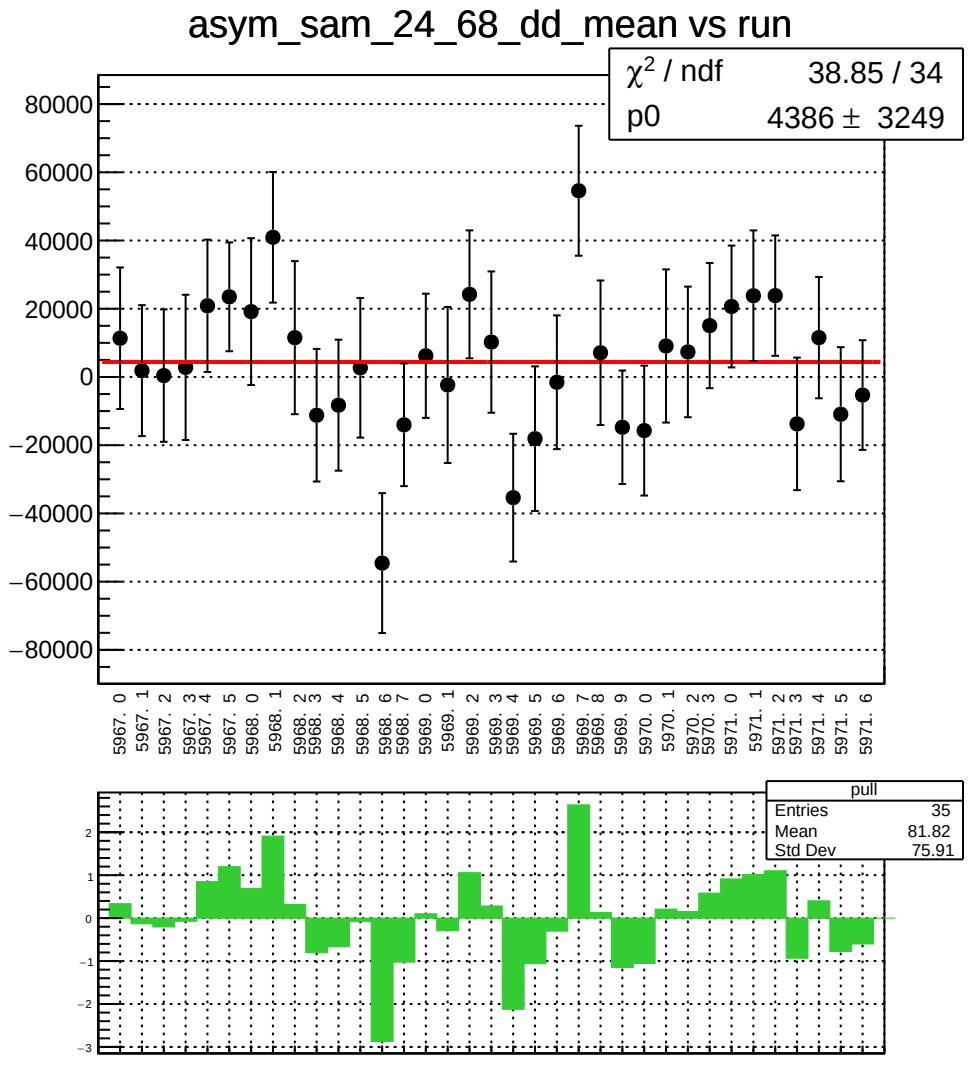

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 24.88 / 34
p0 249.5 ± 159.3
4000
3000
2000
1000
0
−1000
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −46.31
Std Dev 62.17
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.03652
Std Dev 0.8423
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

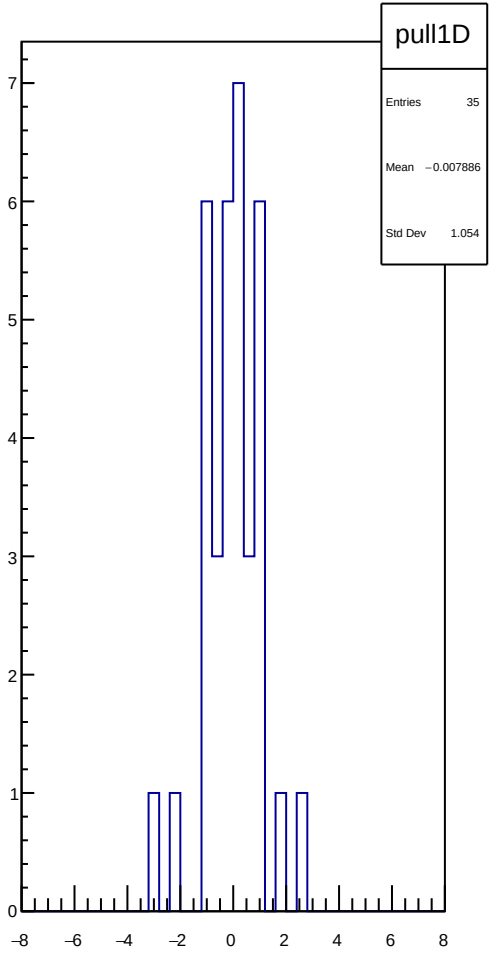

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2661 / 34
p0 91.25 ± 0.1127
120
115
110
105
100
95
90
85
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

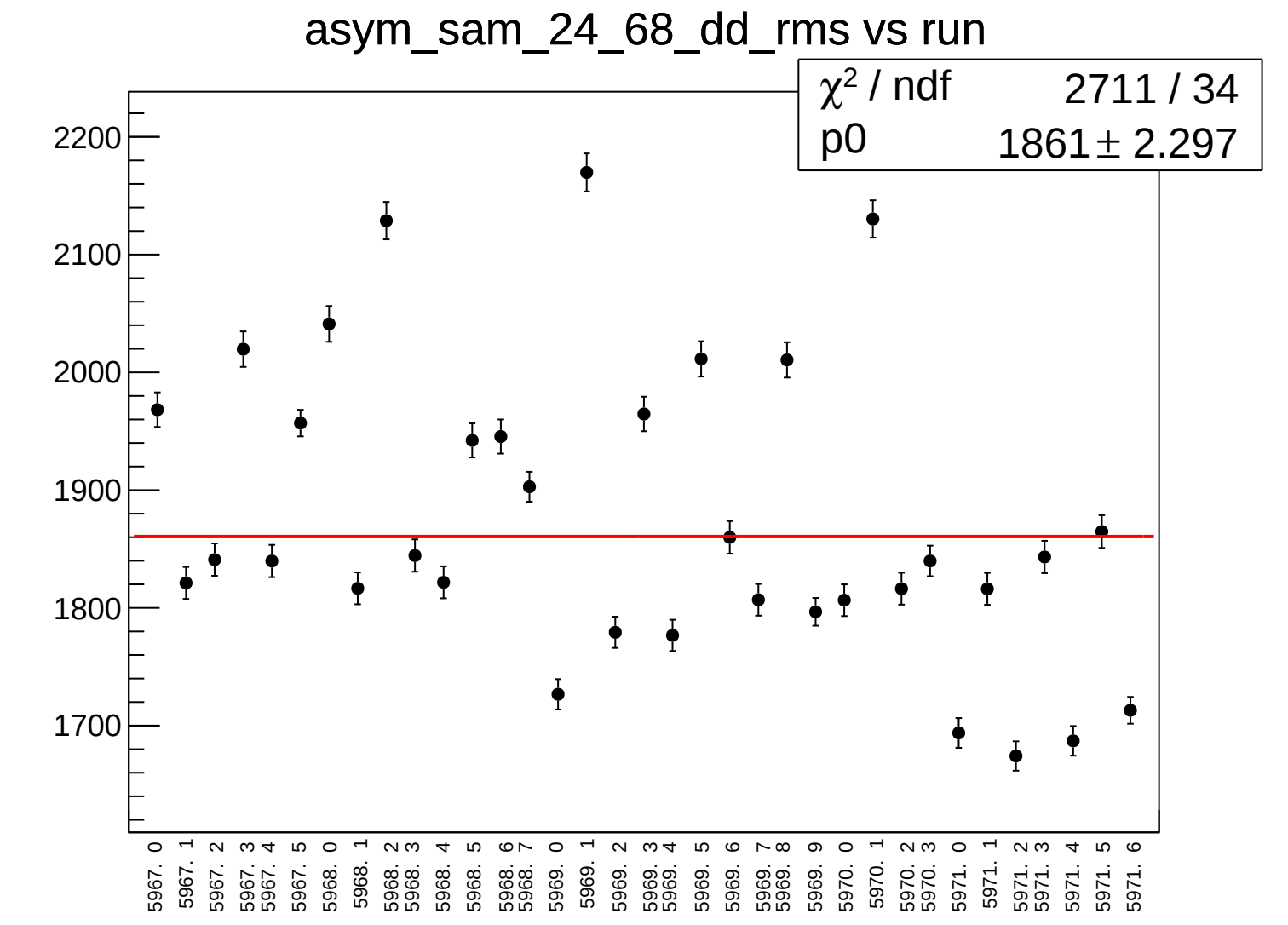

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 38.28 / 34
p0 −4170 ± 3286
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 53.19
Std Dev 49.25
3
2
1
0
−1
−2

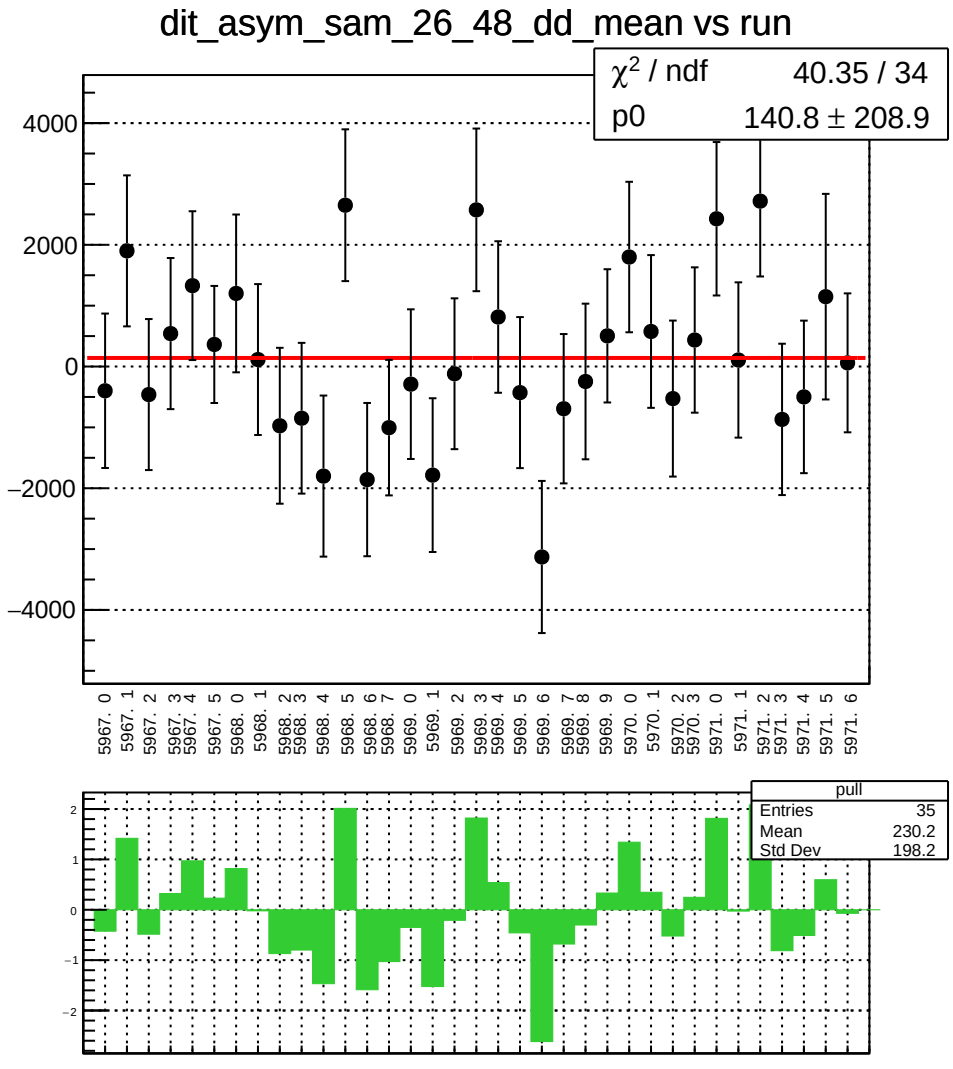

pull1D
Entries 35
Mean 0.01055
Std Dev 1.046
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

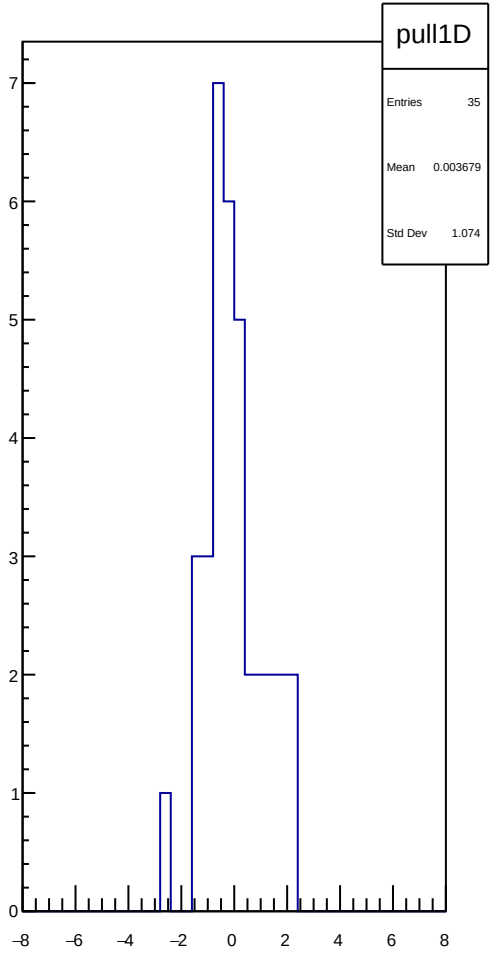

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2699 / 34
p0 1882 ± 2.324
2200
2100
2000
1900
1800
1700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

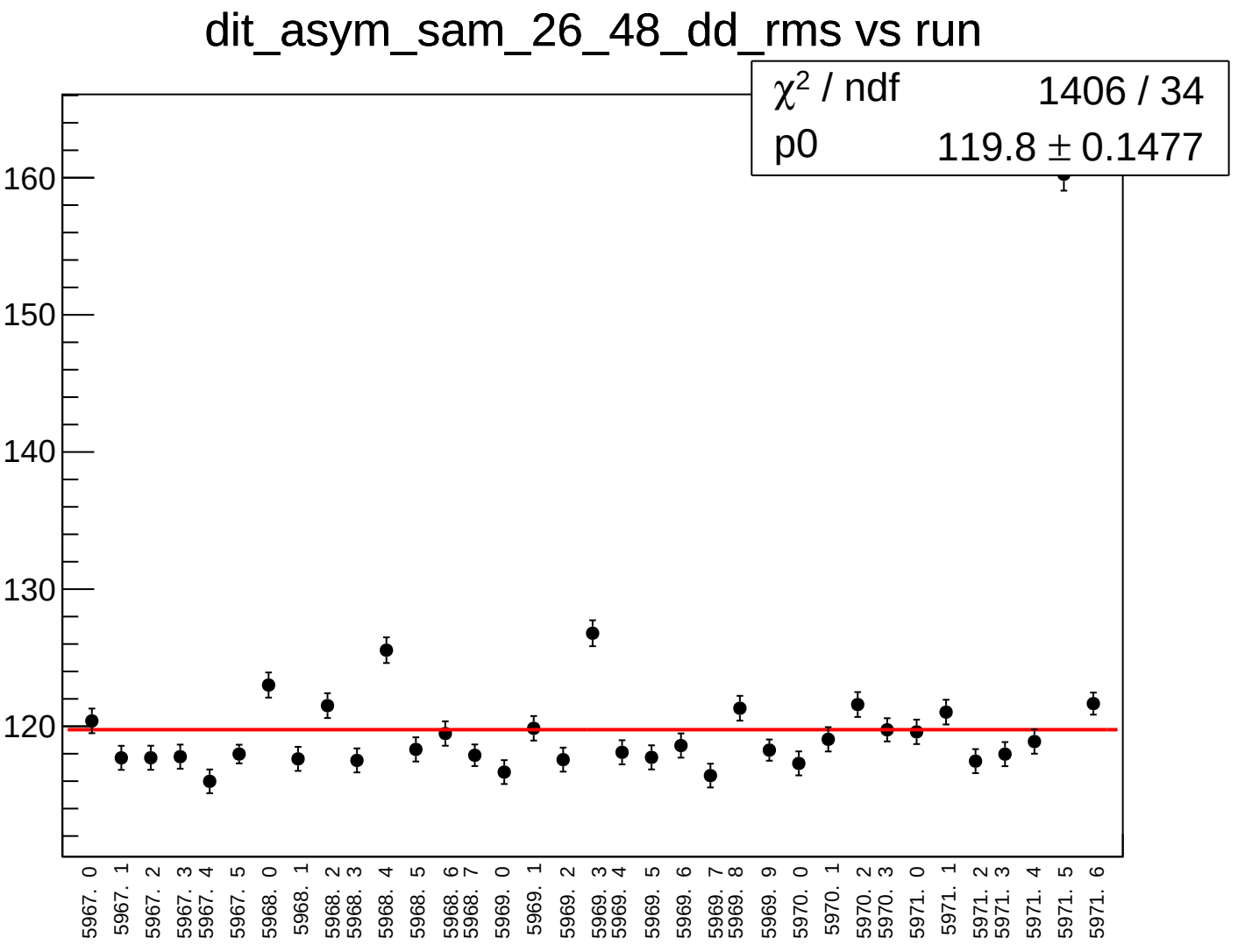

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 38.85 / 34
p0 4386 ± 3249
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 81.82
Std Dev 75.91
2
1
0
−1
−2
−3

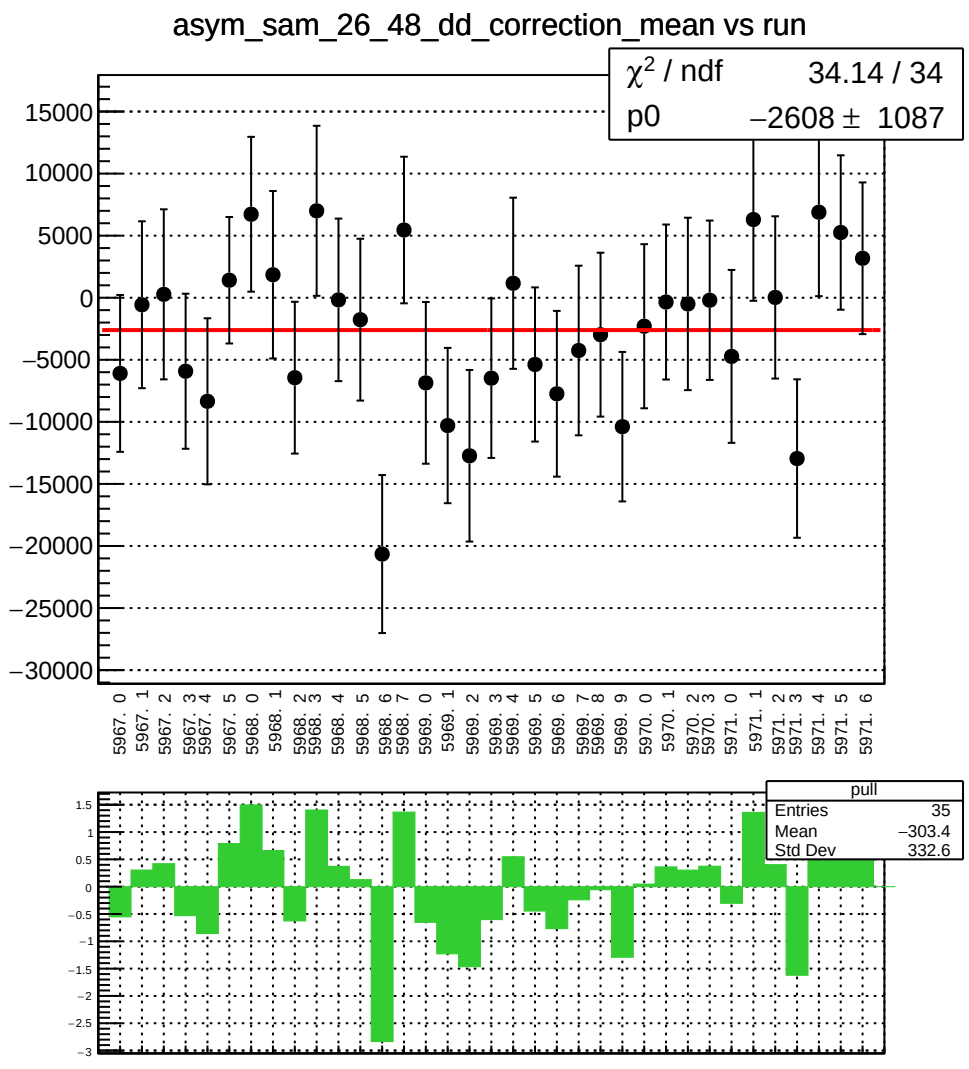

pull1D
Entries 35
Mean −0.007886
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

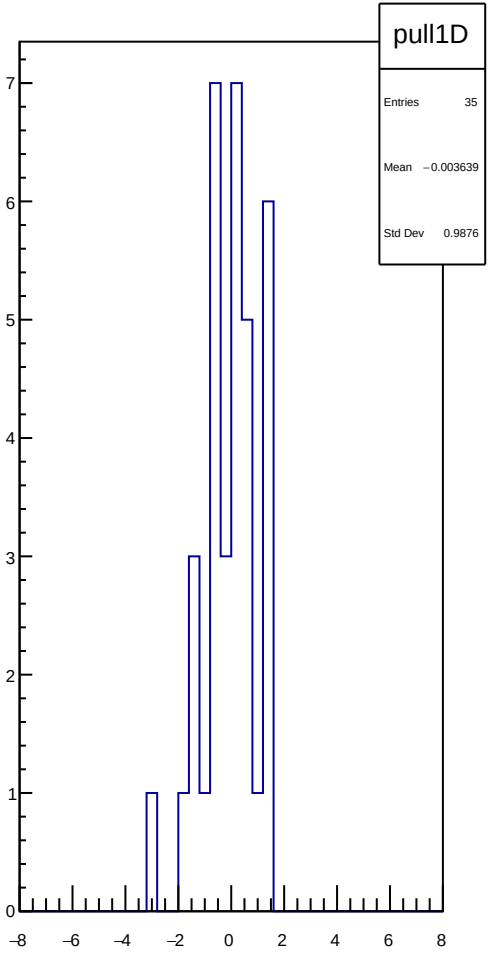

asym_sam_24_68_dd_rms vs run
χ² / ndf 2711 / 34
p0 1861 ± 2.297
2200
2100
2000
1900
1800
1700
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

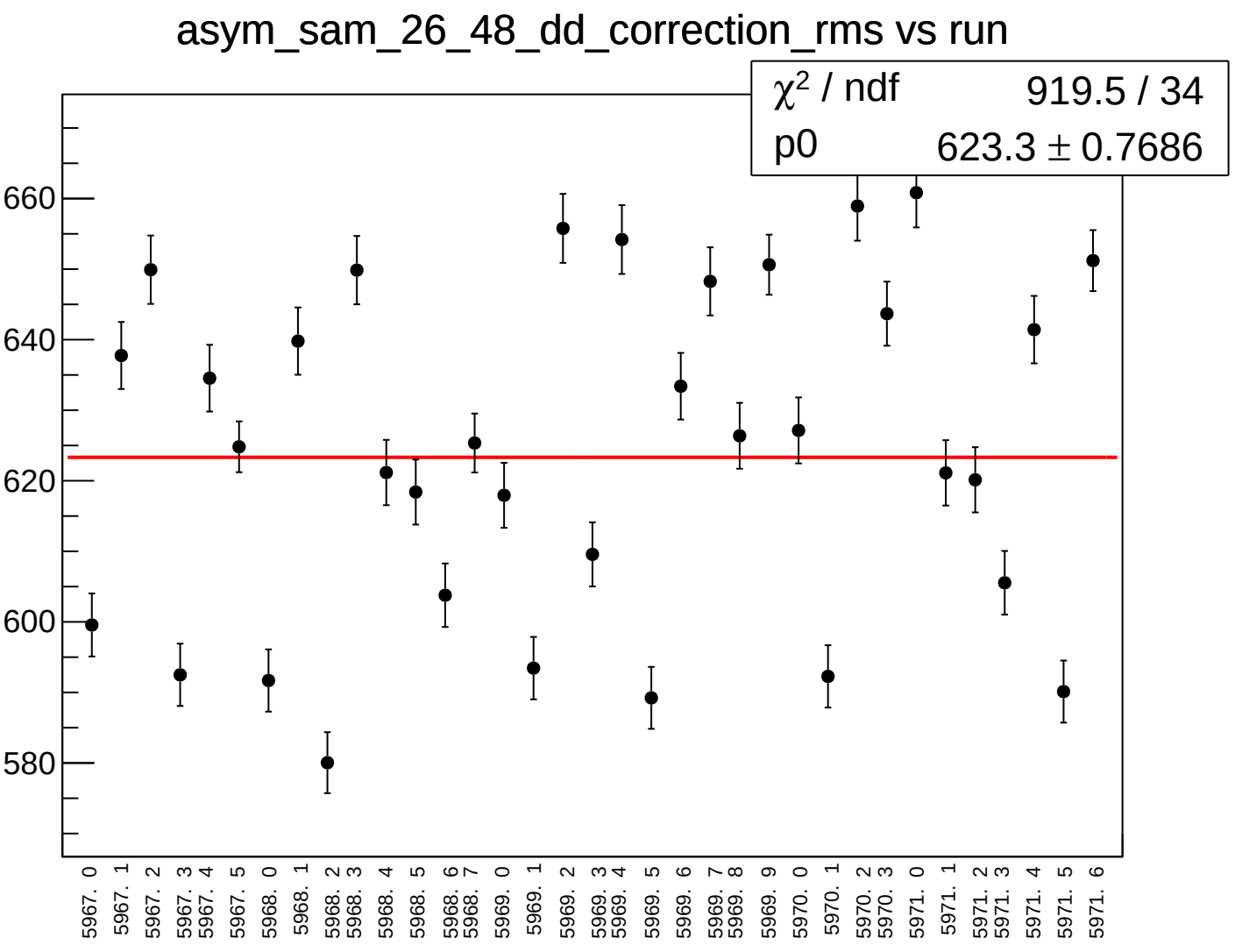

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 40.35 / 34
p0 140.8 ± 208.9
4000
2000
0
−2000
−4000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 230.2
Std Dev 198.2
2
1
0
−1
−2

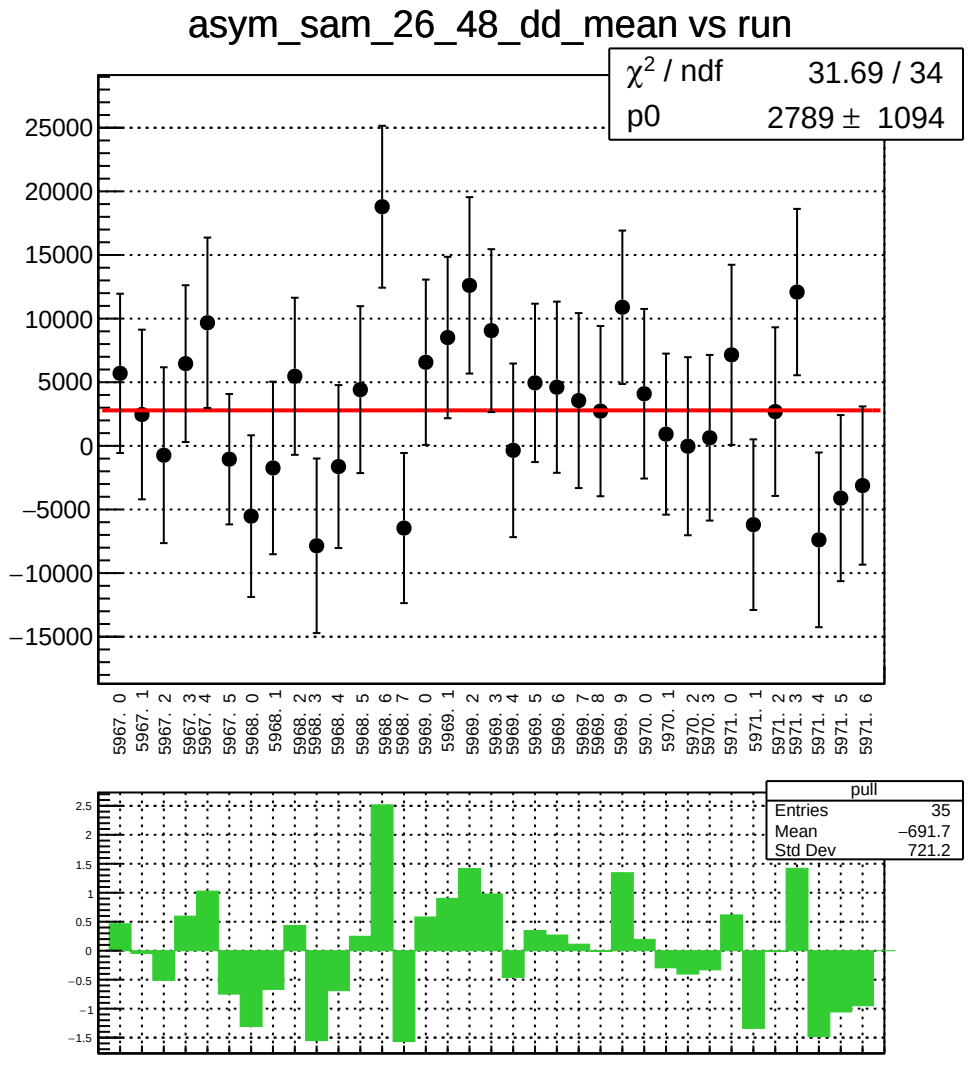

pull1D
Entries 35
Mean 0.003679
Std Dev 1.074
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

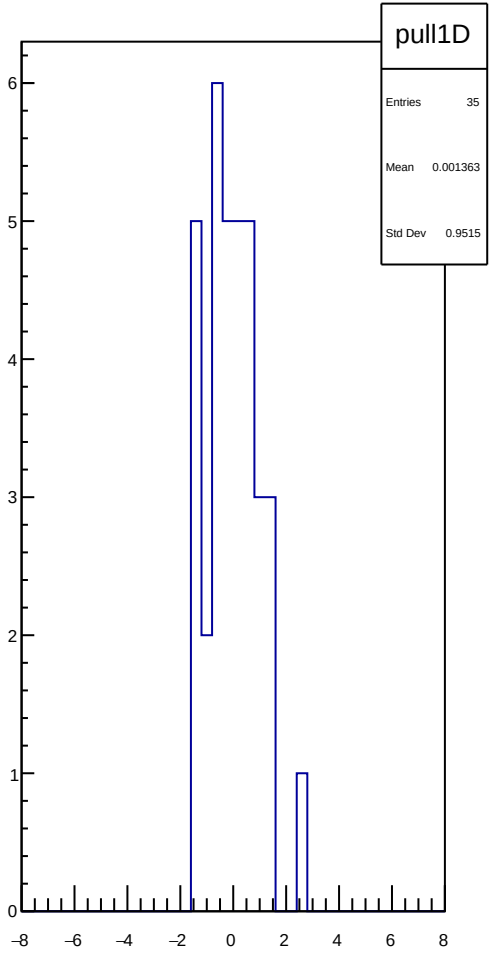

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1406 / 34
p0 119.8 ± 0.1477
160
150
140
130
120
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

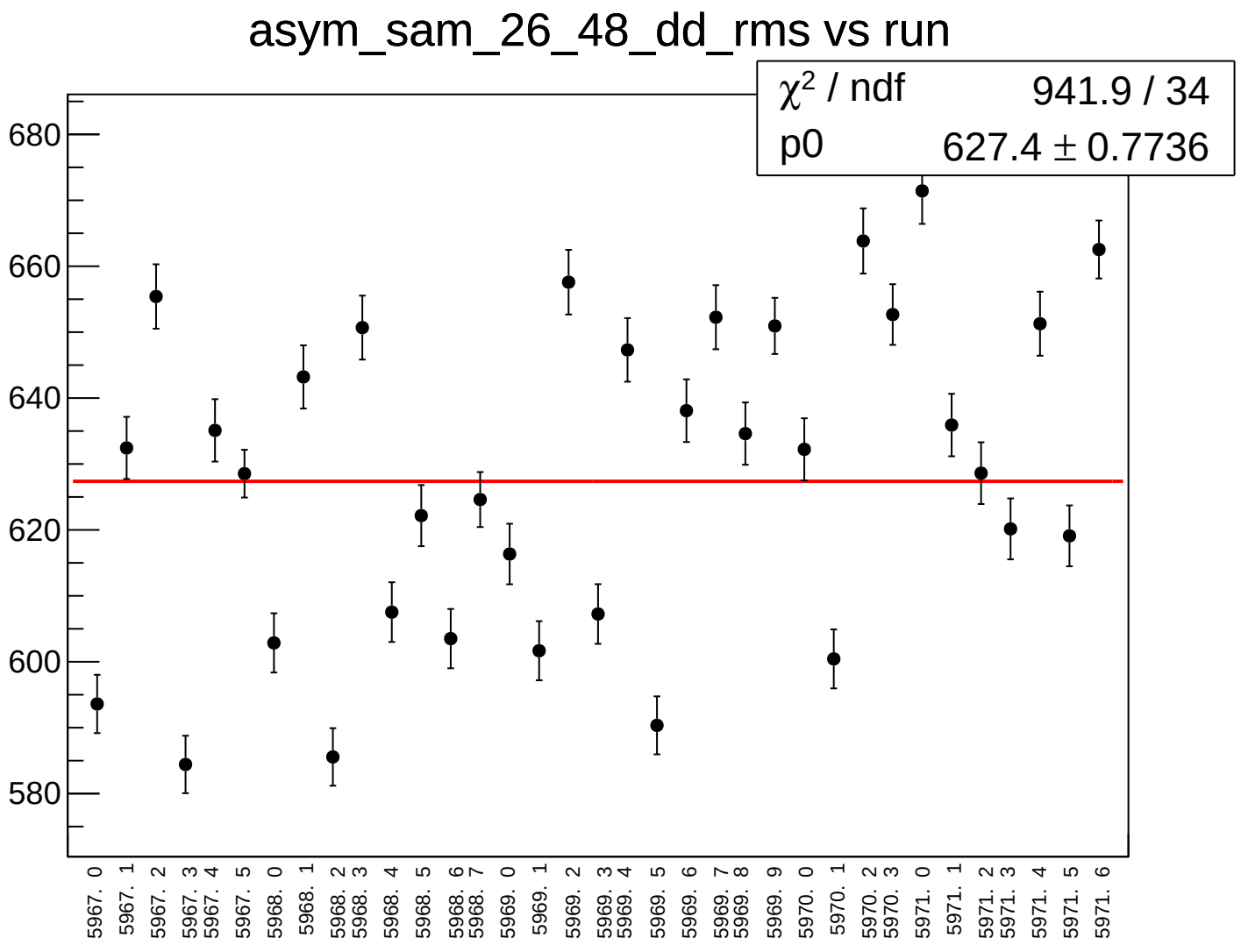

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 34.14 / 34
p0 −2608 ± 1087
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −303.4
Std Dev 332.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

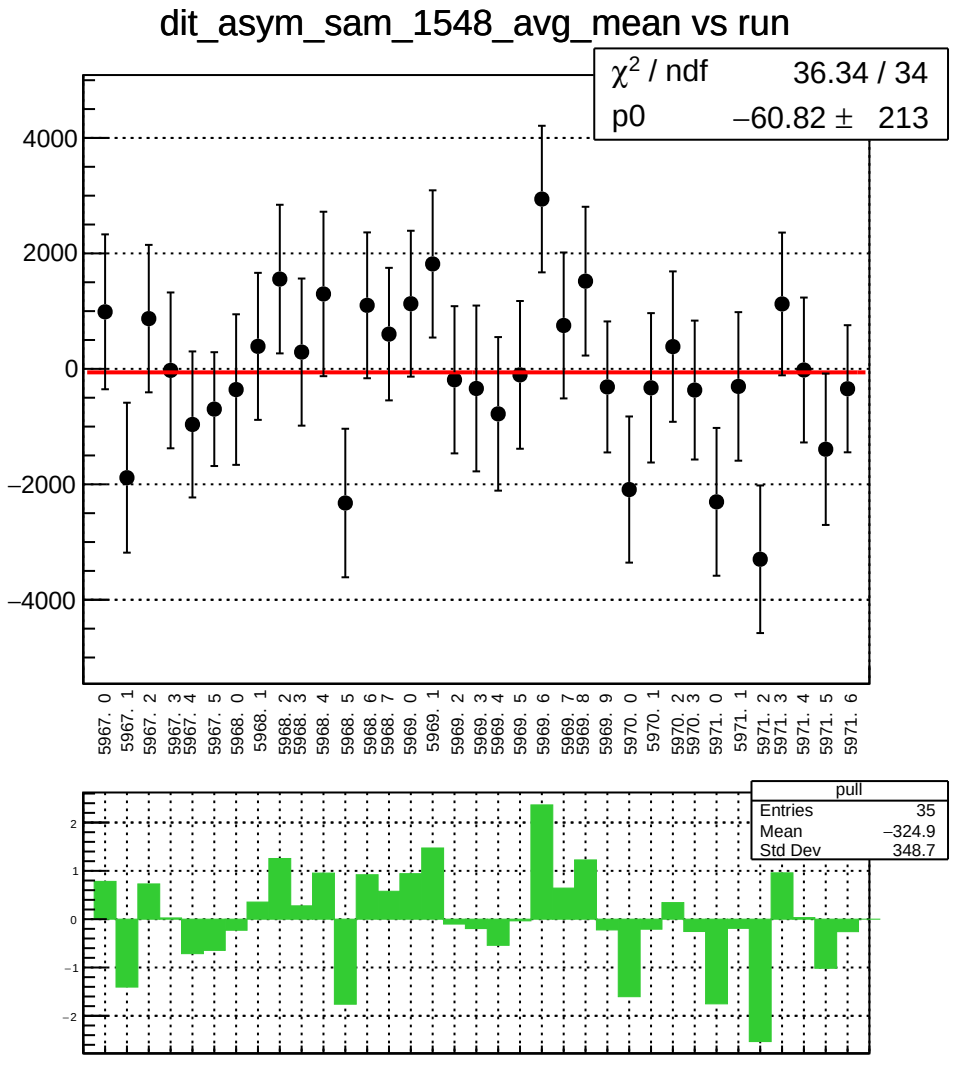

pull1D
Entries 35
Mean −0.003639
Std Dev 0.9876
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

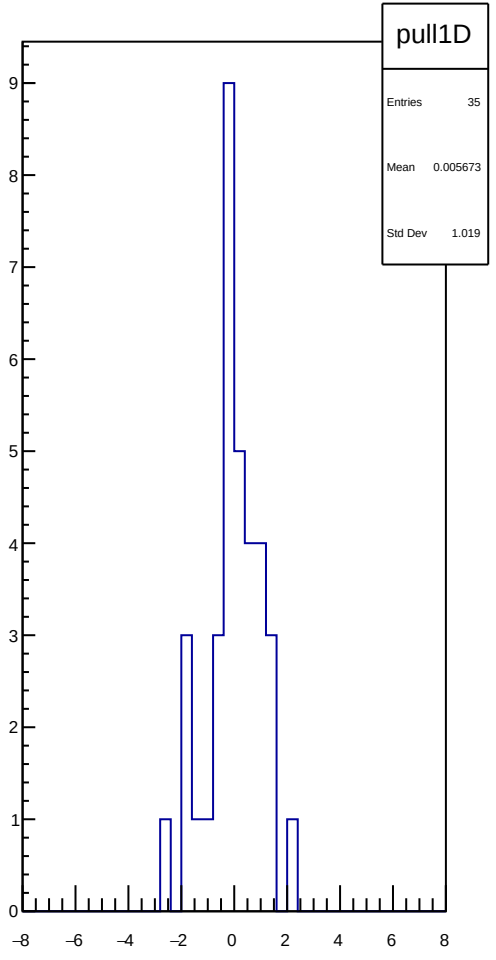

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 919.5 / 34
p0 623.3 ± 0.7686
660
640
620
600
580
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

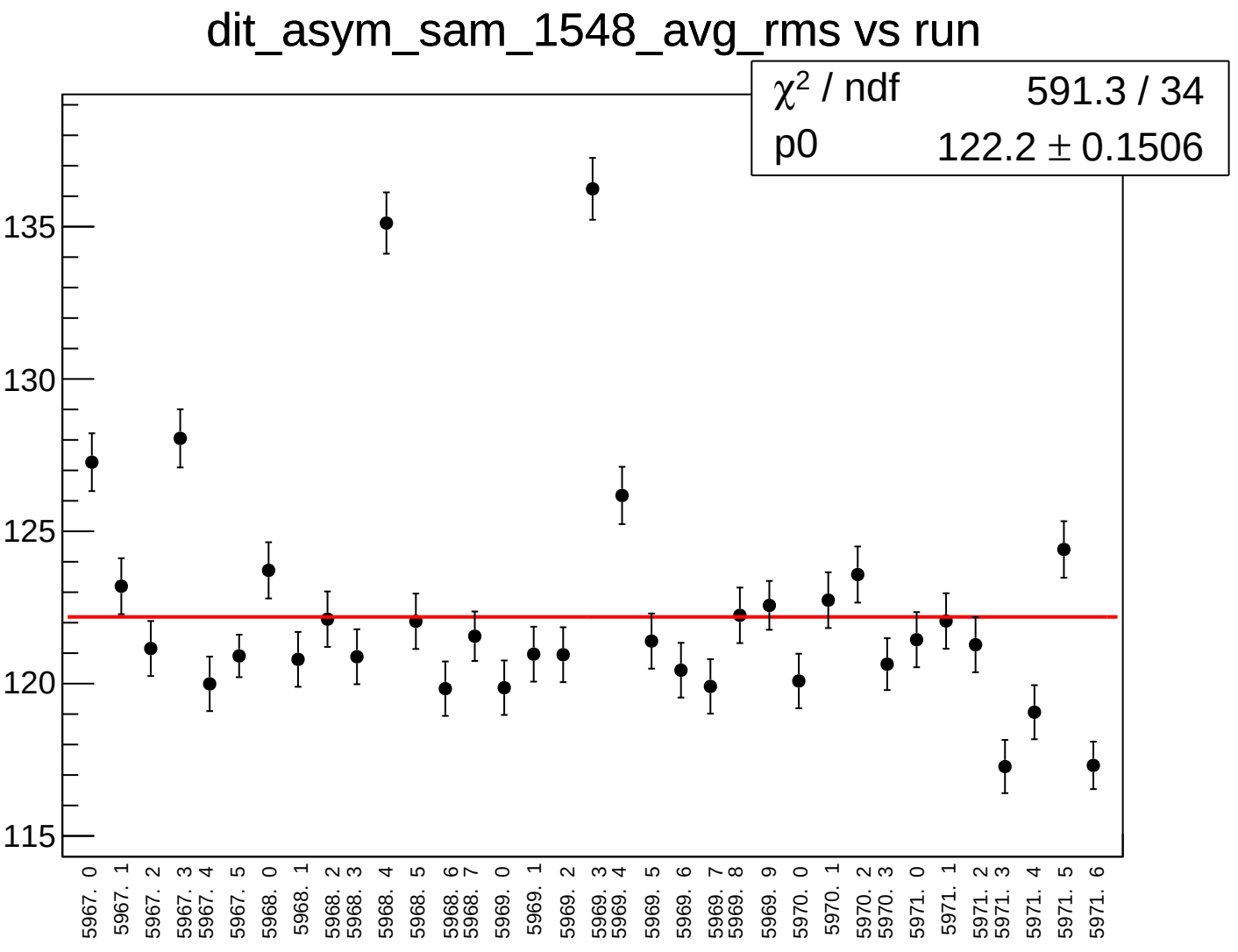

asym_sam_26_48_dd_mean vs run
χ² / ndf 31.69 / 34
p0 2789 ± 1094
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −691.7
Std Dev 721.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

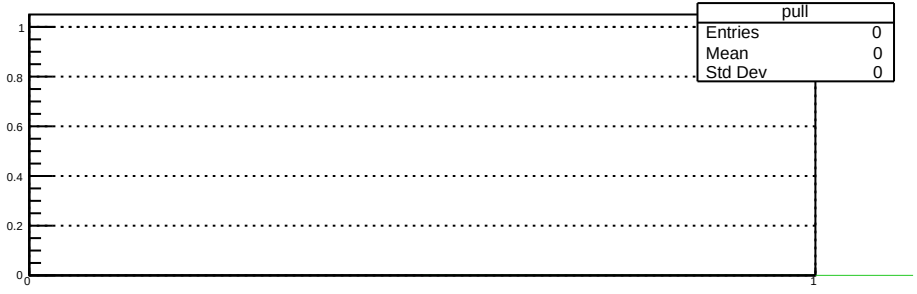

pull1D
Entries 35
Mean 0.001363
Std Dev 0.9515
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

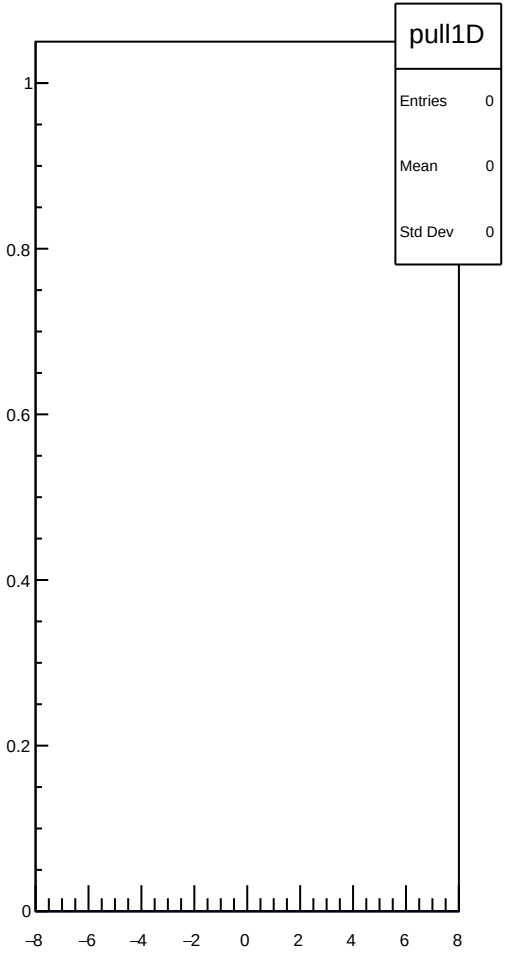

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 941.9 / 34
p0 627.4 ± 0.7736
680
660
640
620
600
580
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

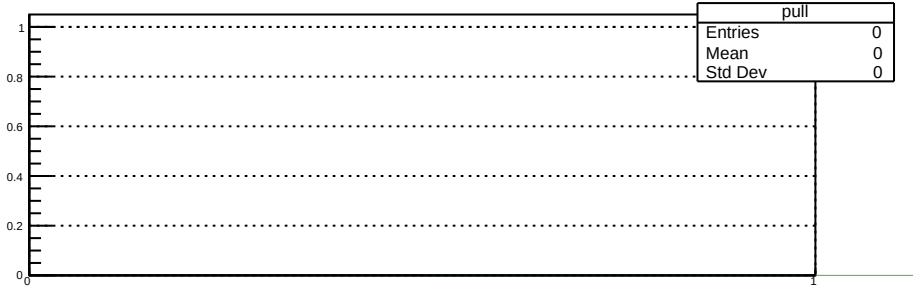

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 36.34 / 34
p0 −60.82 ± 213
4000
2000
0
−2000
−4000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −324.9
Std Dev 348.7
2
1
0
−1
−2

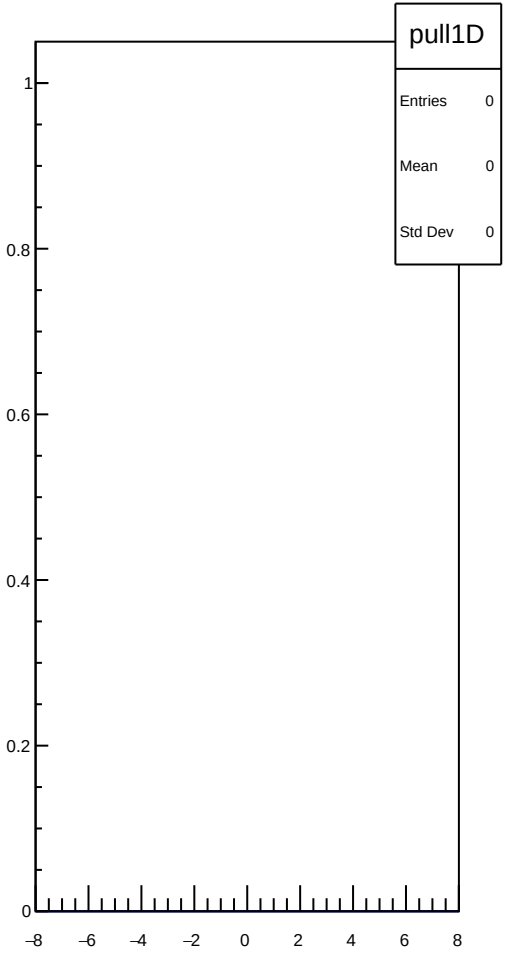

pull1D
Entries 35
Mean 0.005673
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

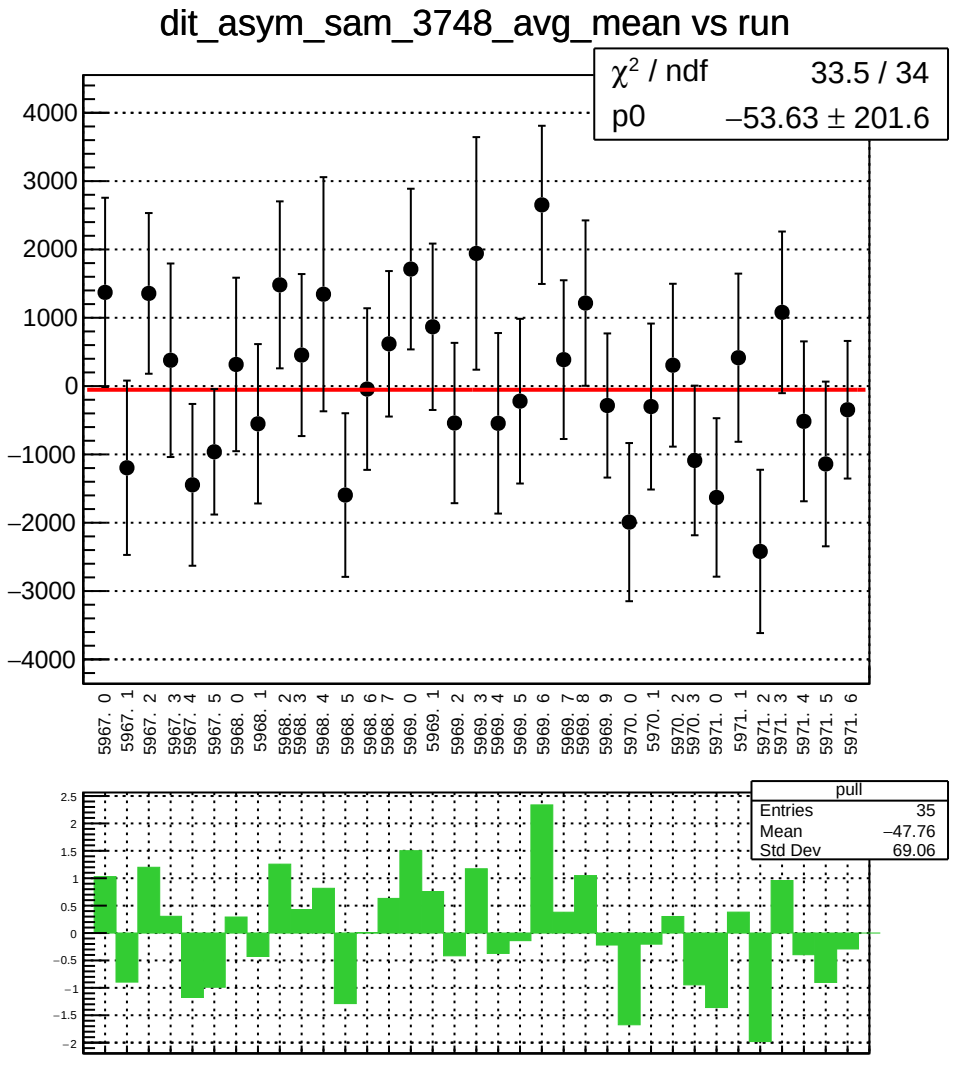

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 591.3 / 34
p0 122.2 ± 0.1506
135
130
125
120
115
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

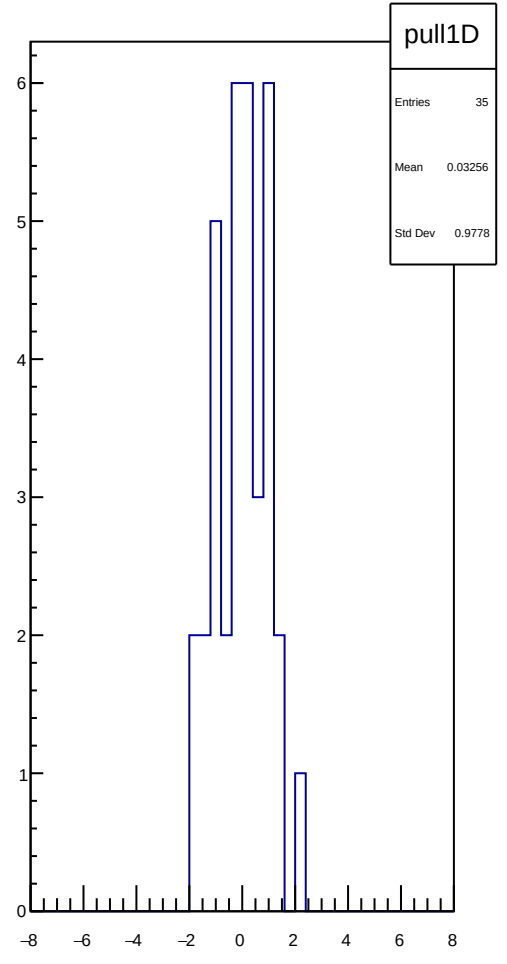

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

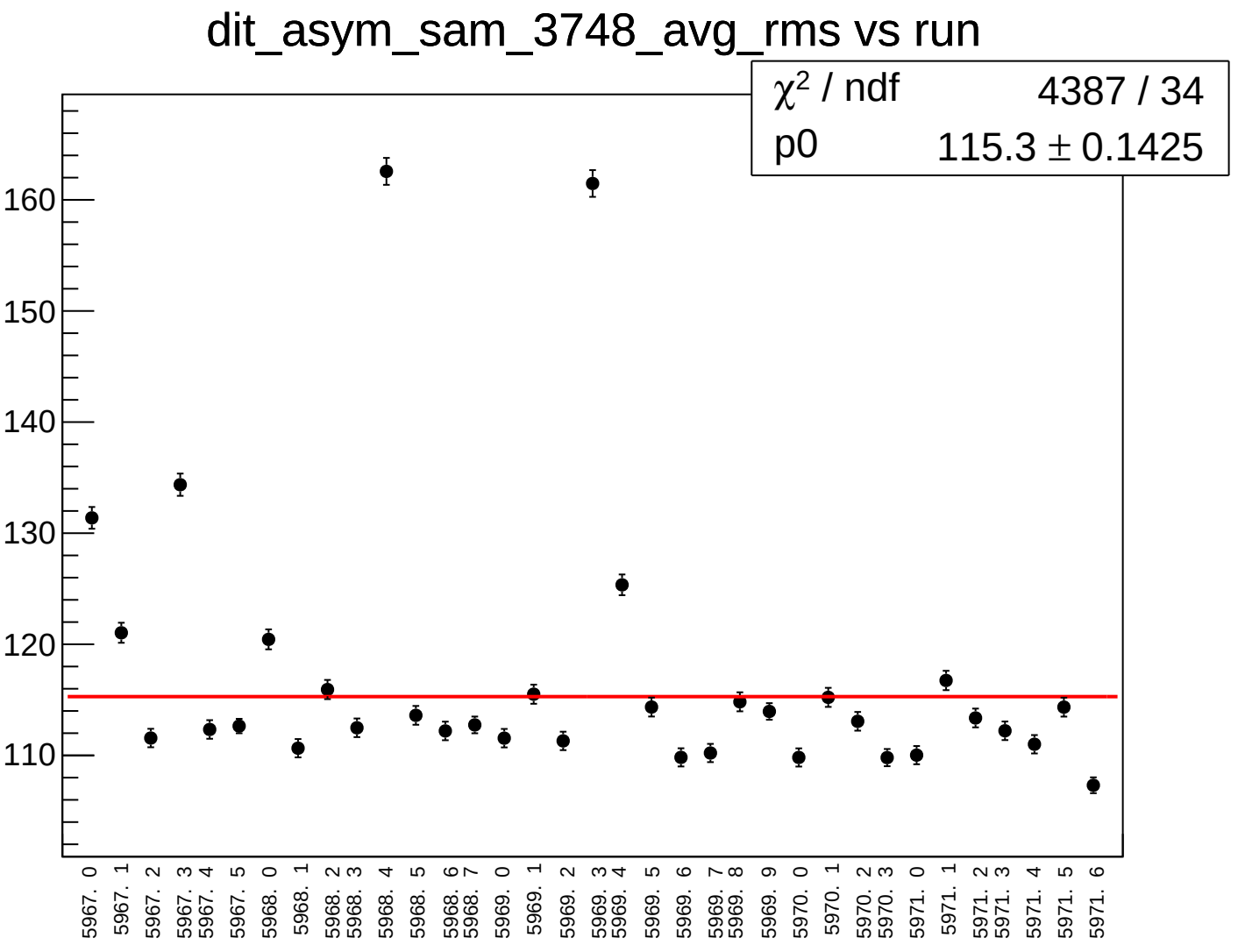

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

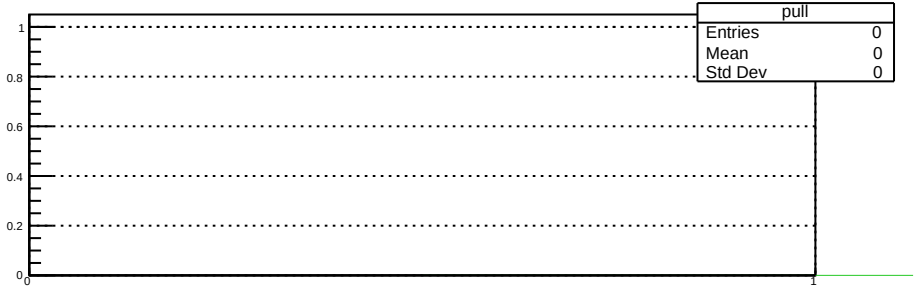

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

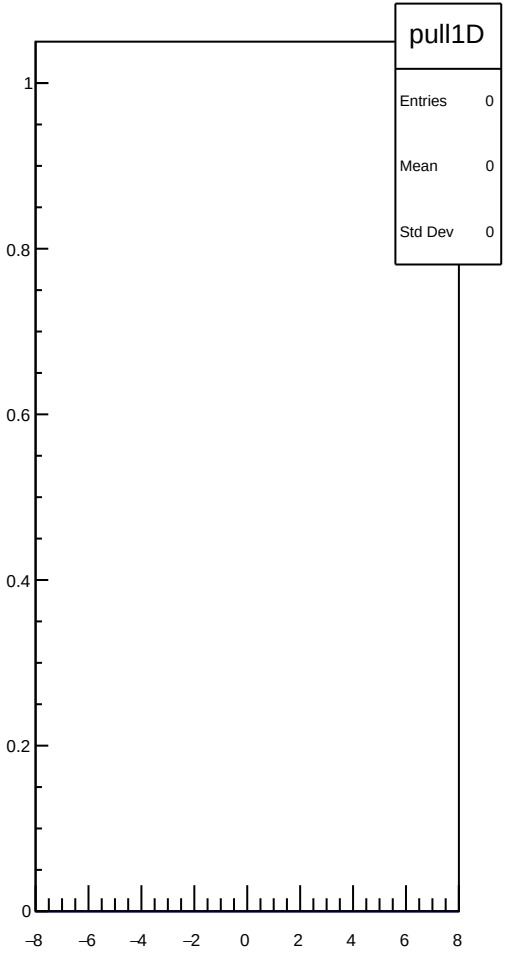

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

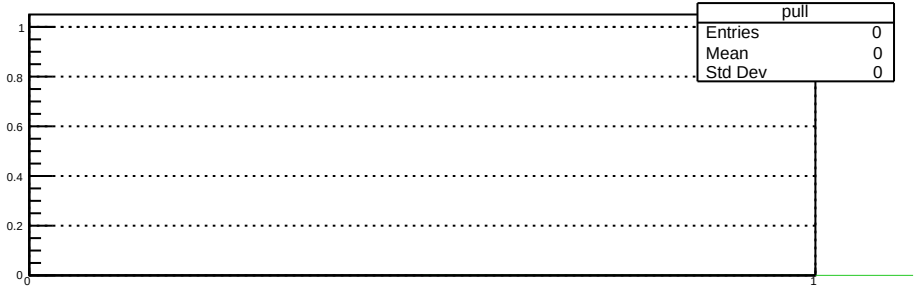

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 33.5 / 34
p0 −53.63 ± 201.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −47.76
Std Dev 69.06
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

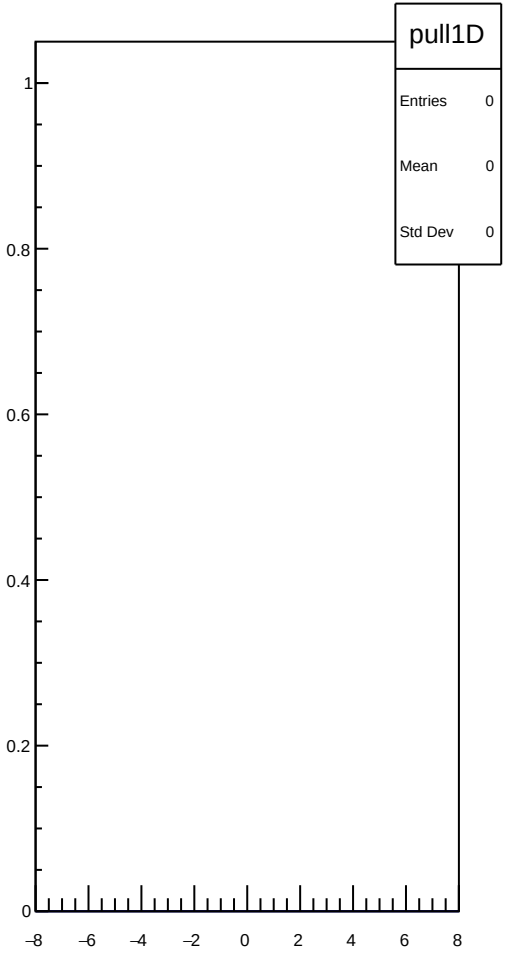

pull1D
Entries 35
Mean 0.03256
Std Dev 0.9778
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

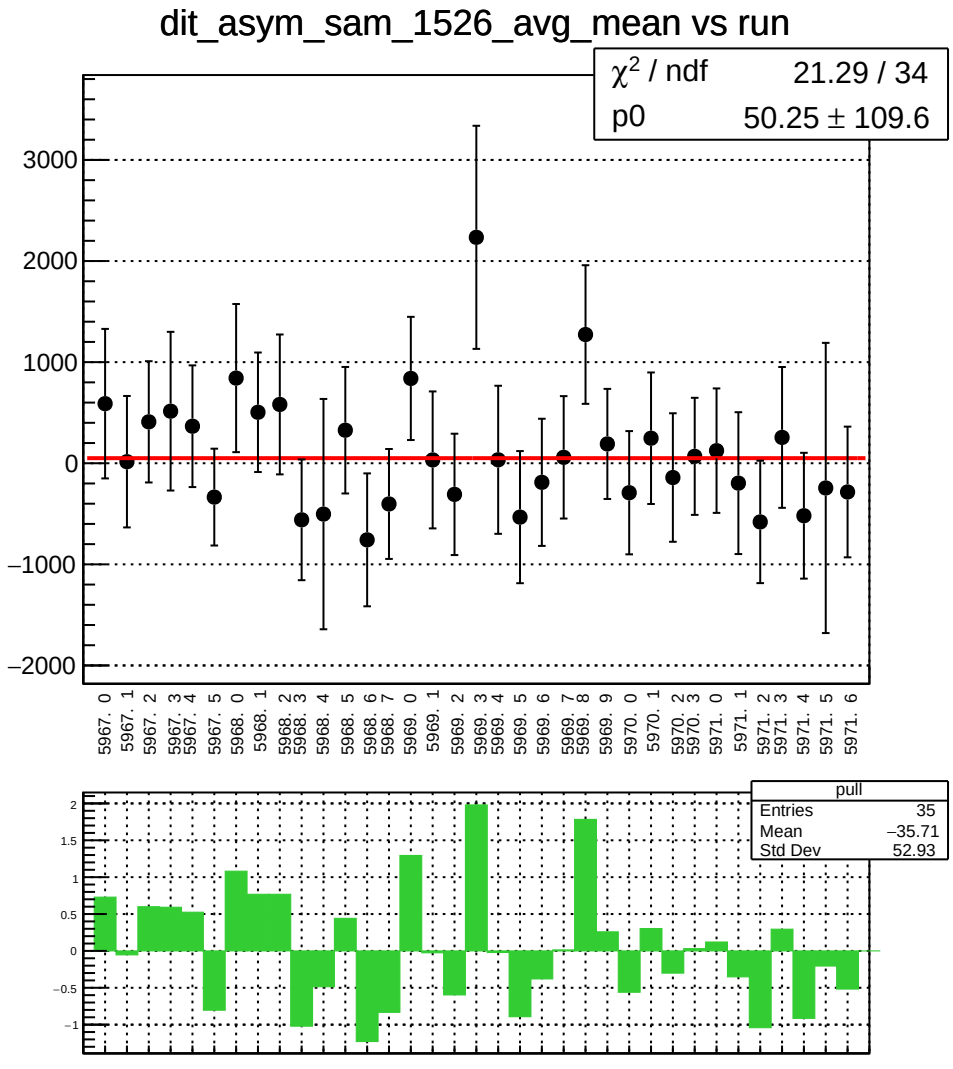

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4387 / 34
p0 115.3 ± 0.1425
160
150
140
130
120
110
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

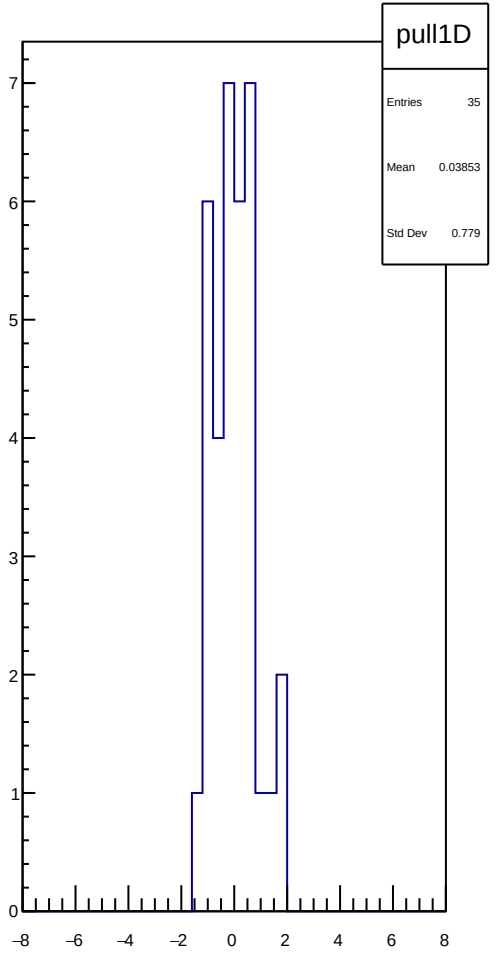

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

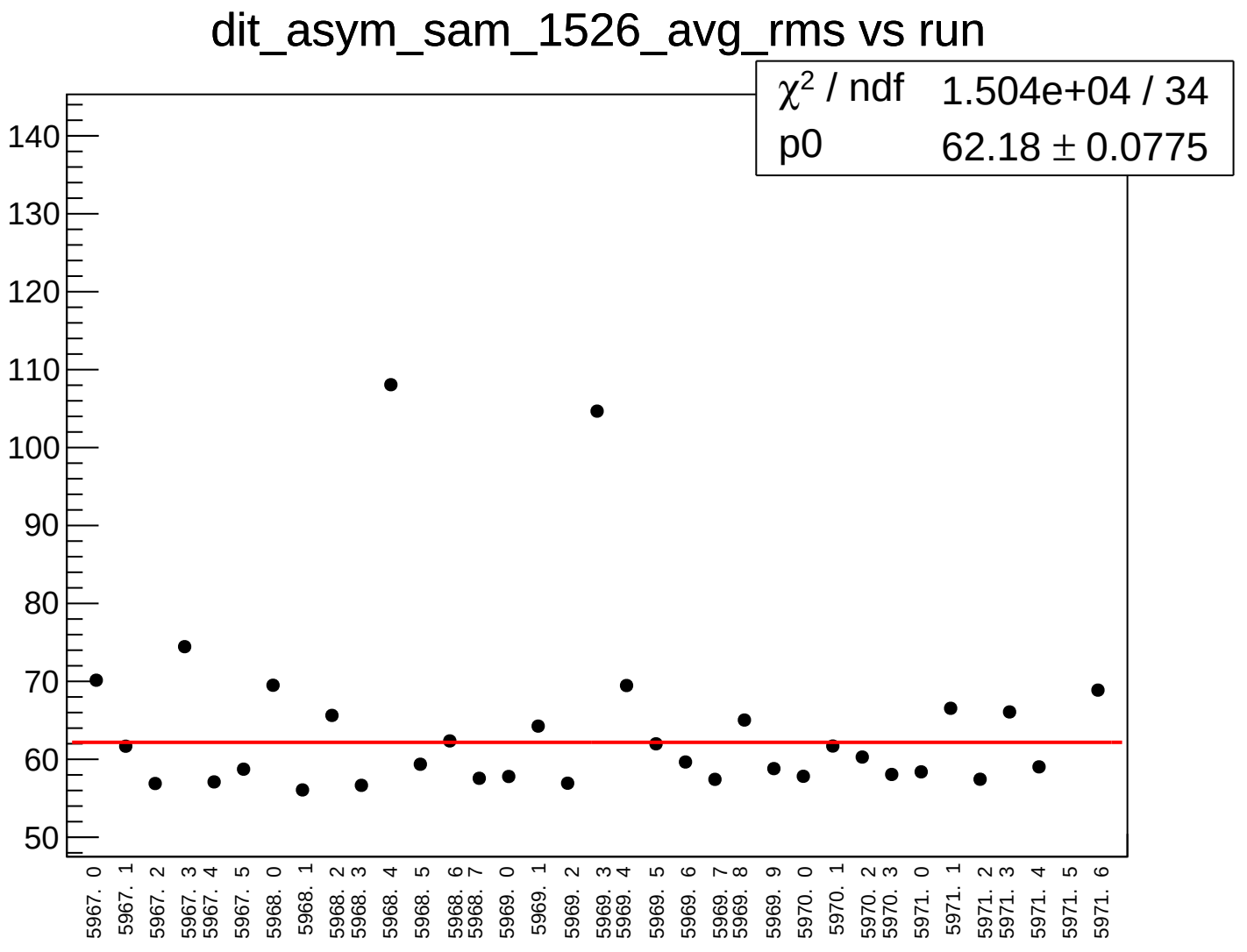

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

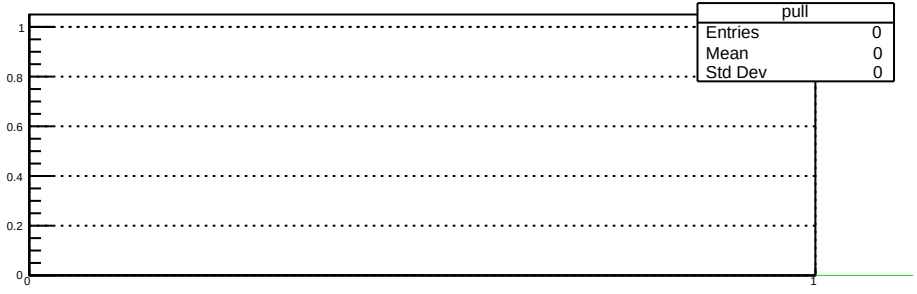

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

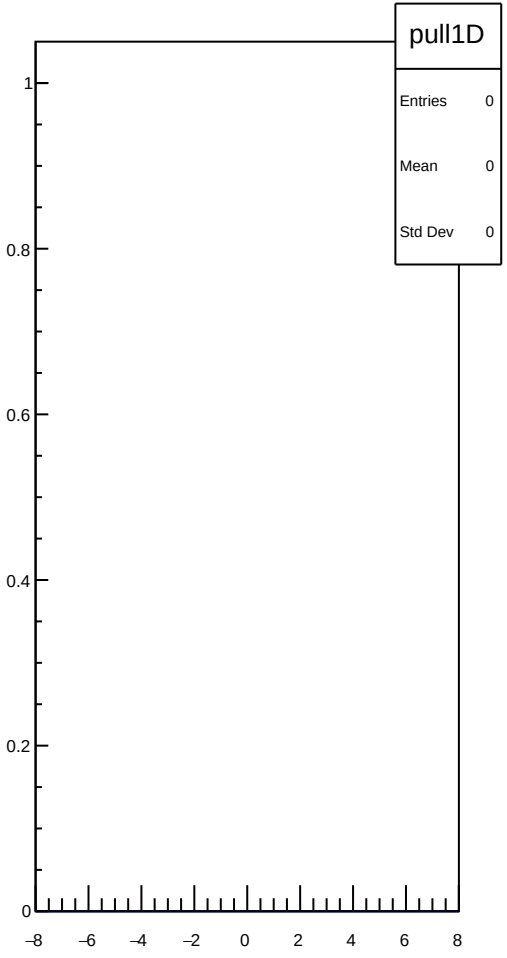

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

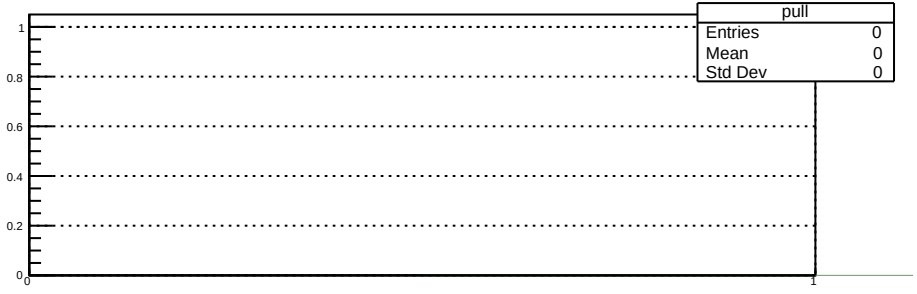

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 21.29 / 34
p0 50.25 ± 109.6
3000
2000
1000
0
−1000
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −35.71
Std Dev 52.93
2
1.5
1
0.5
0
−0.5
−1

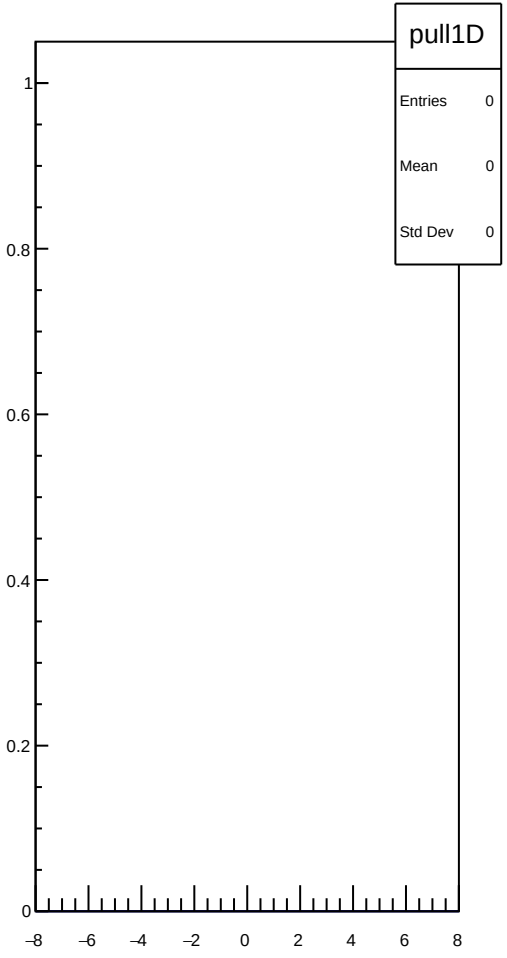

pull1D
Entries 35
Mean 0.03853
Std Dev 0.779
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

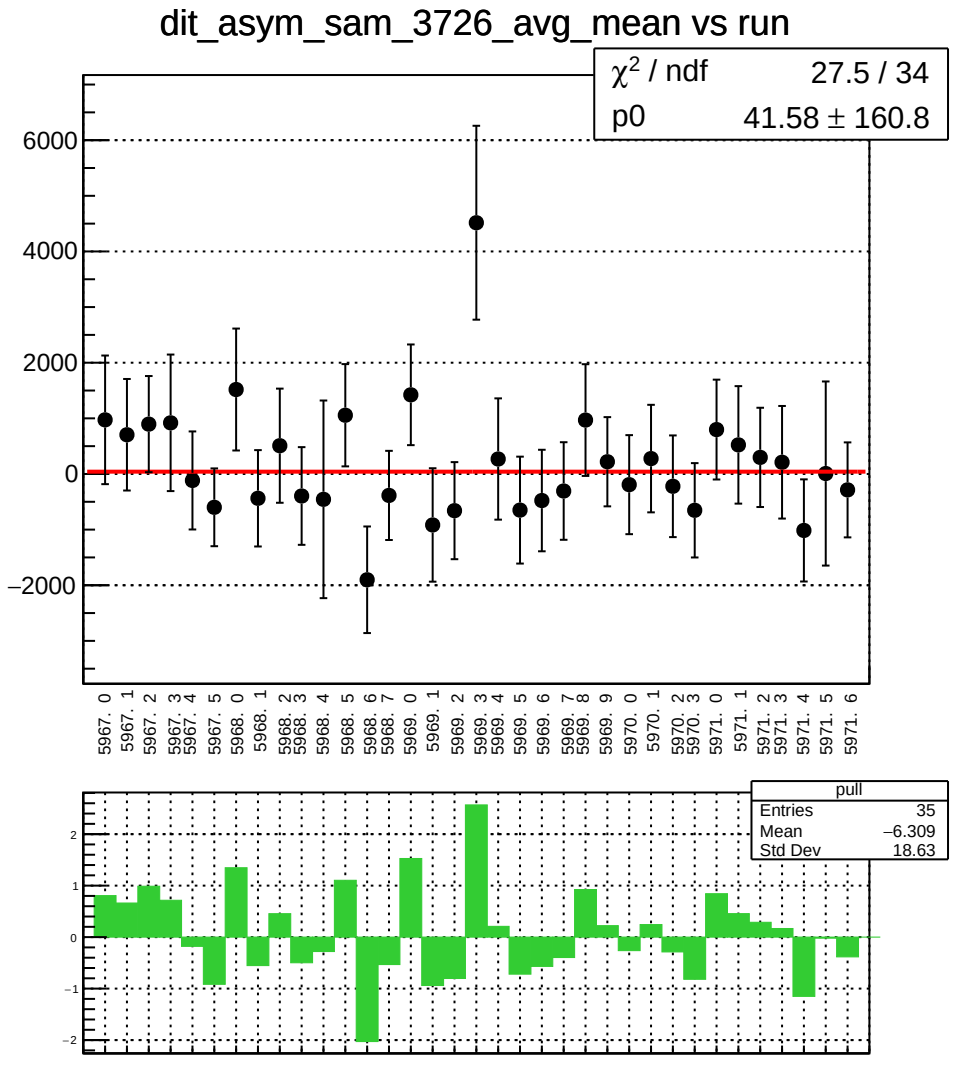

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.504e+04 / 34
p0 62.18 ± 0.0775
140
130
120
110
100
90
80
70
60
50
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

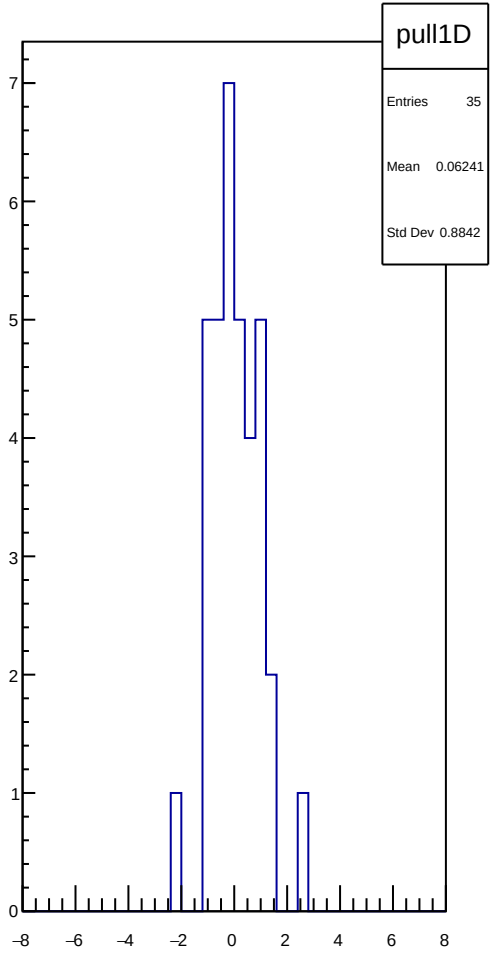

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

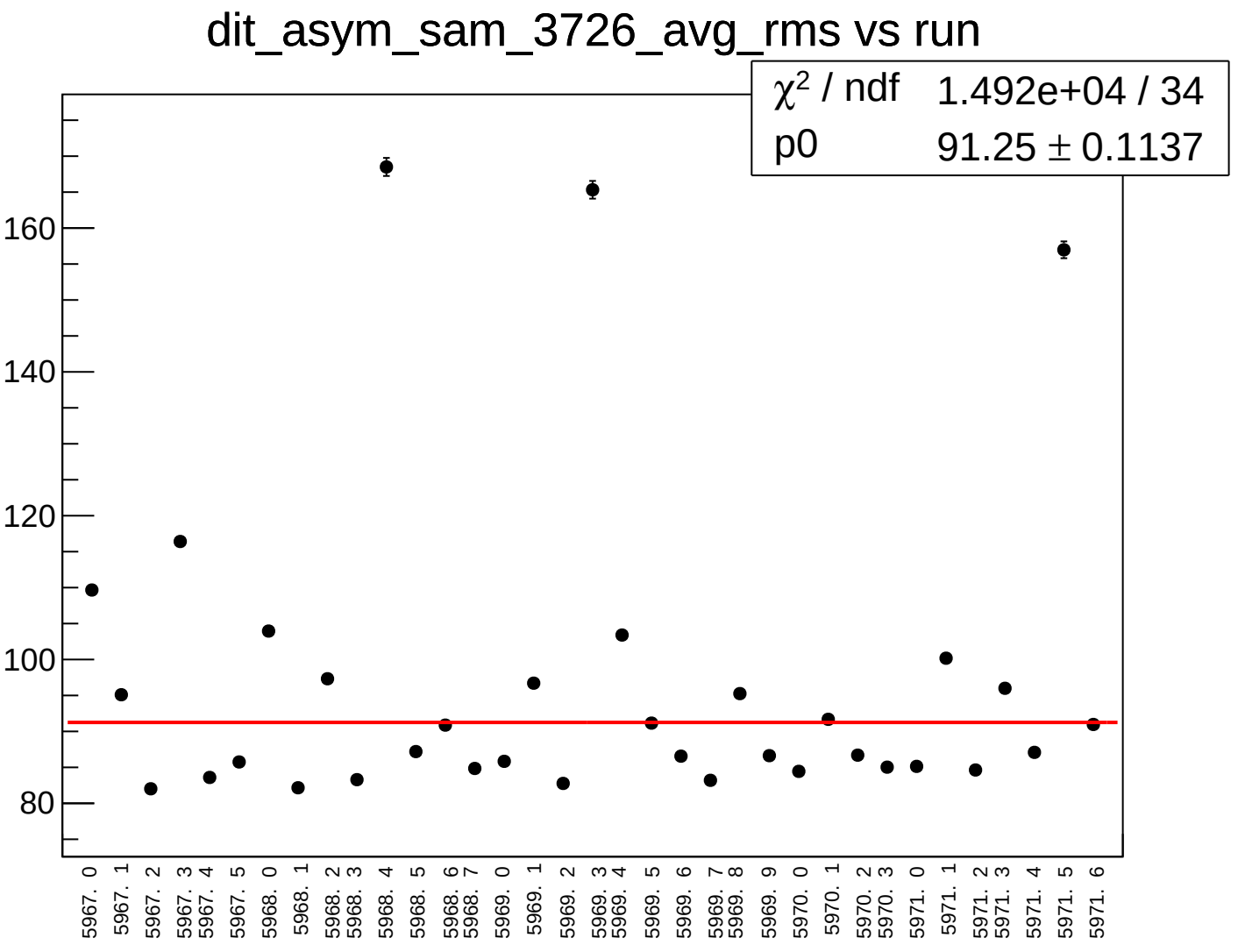

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

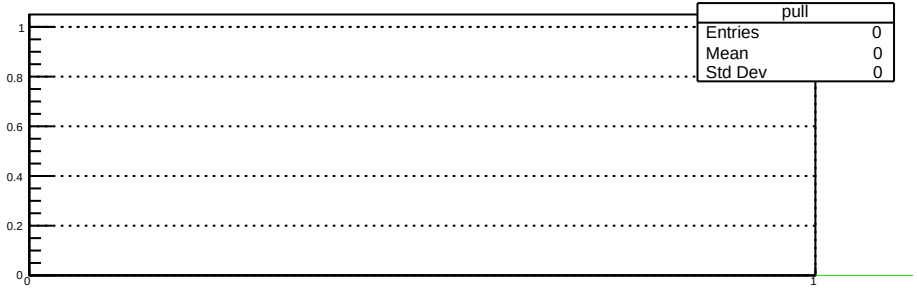

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

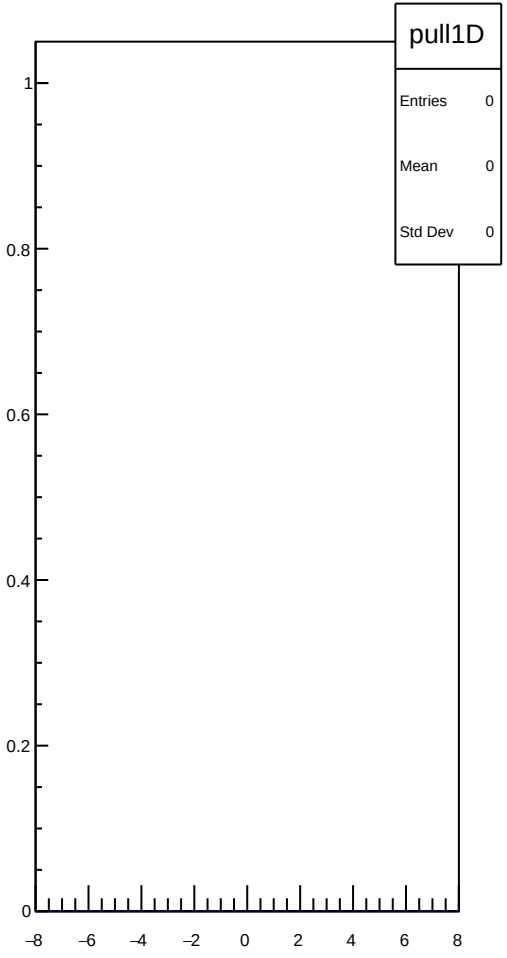

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

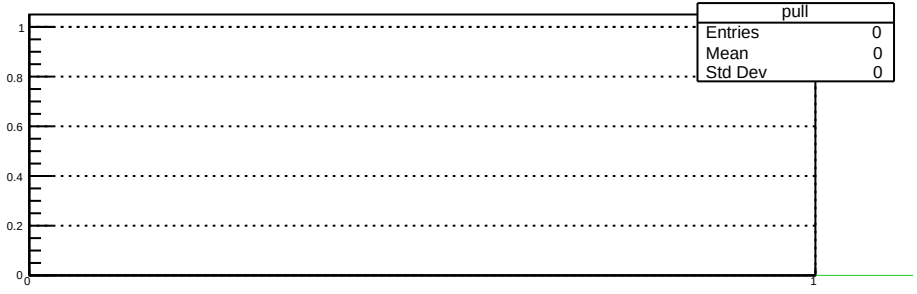

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 27.5 / 34
p0 41.58 ± 160.8
6000
4000
2000
0
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −6.309
Std Dev 18.63
2
1
0
−1
−2

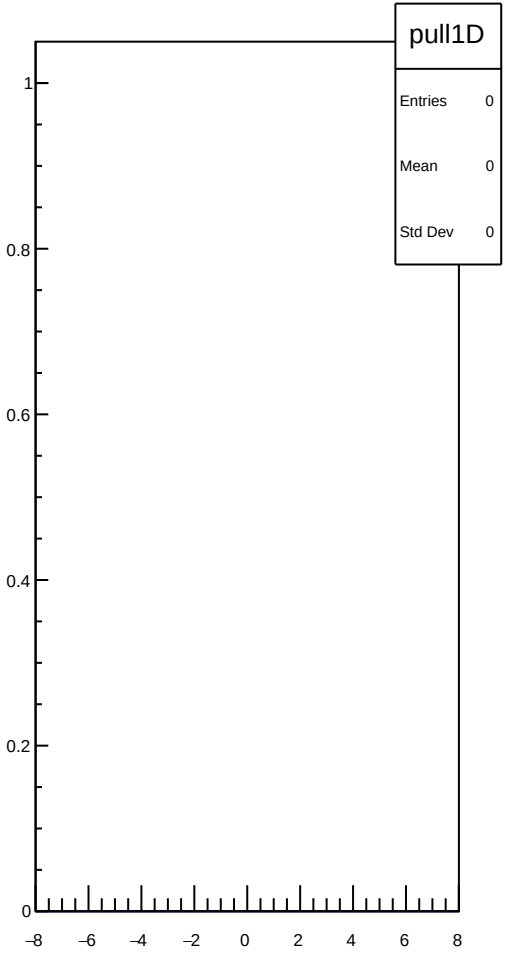

pull1D
Entries 35
Mean 0.06241
Std Dev 0.8842
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

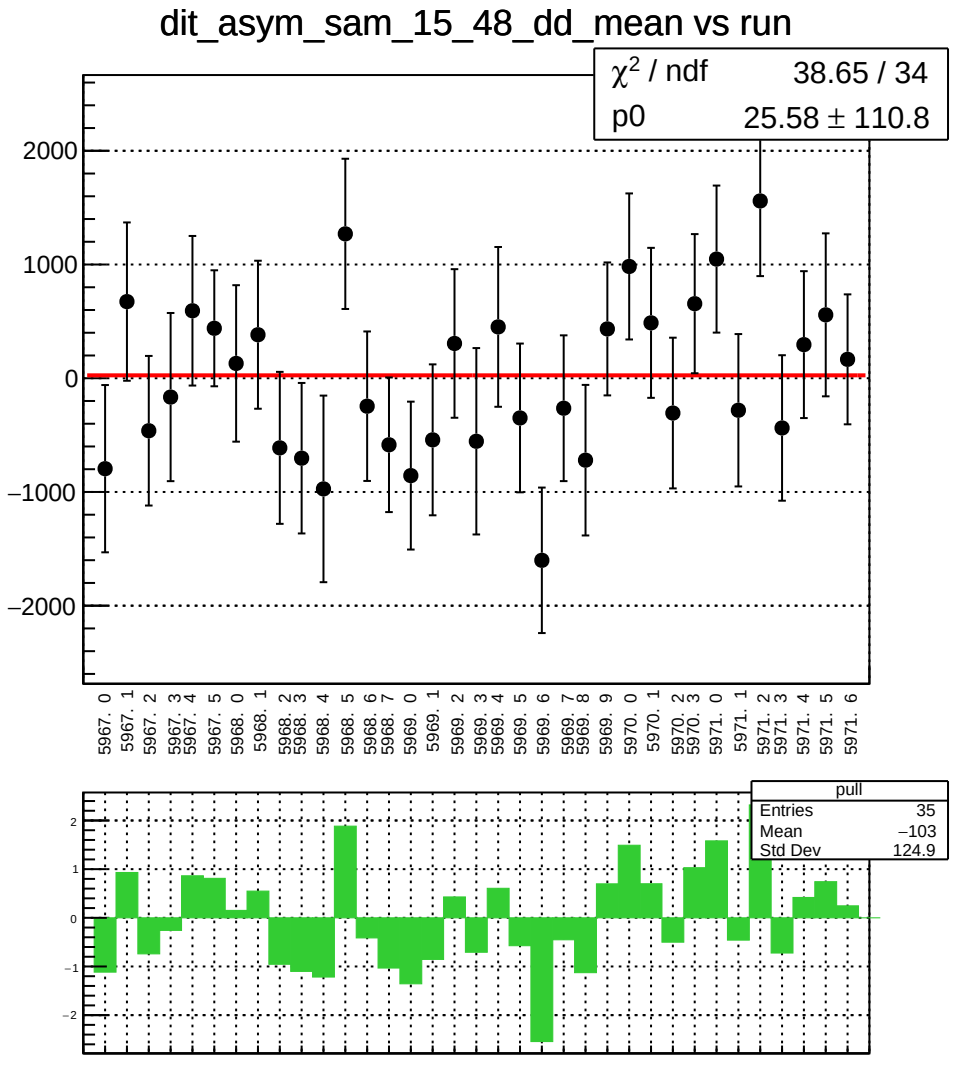

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.492e+04 / 34
p0 91.25 ± 0.1137
160
140
120
100
80
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

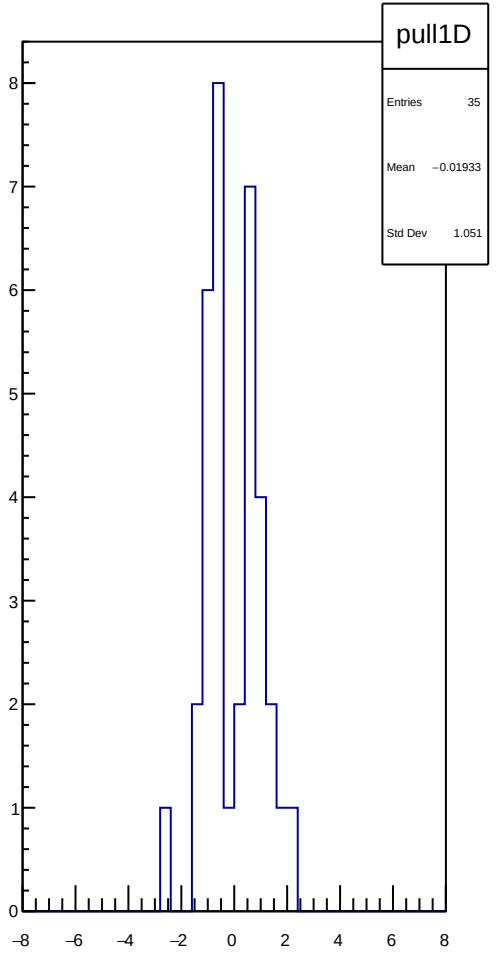

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

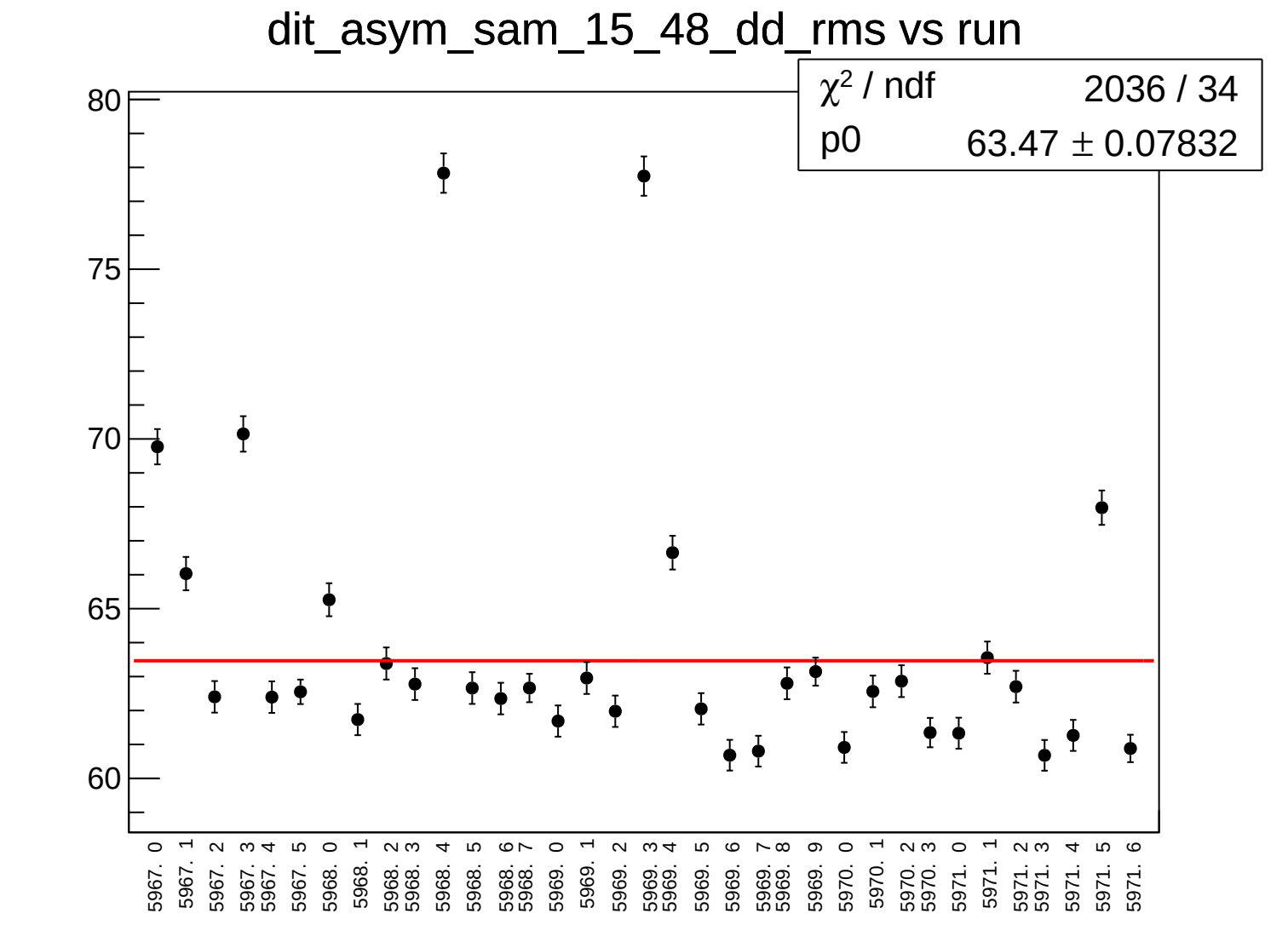

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

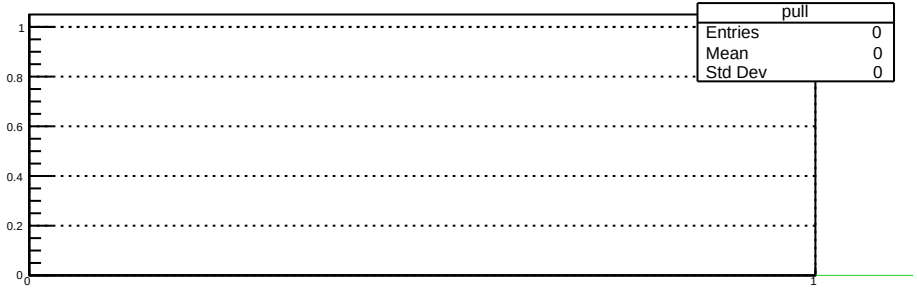

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

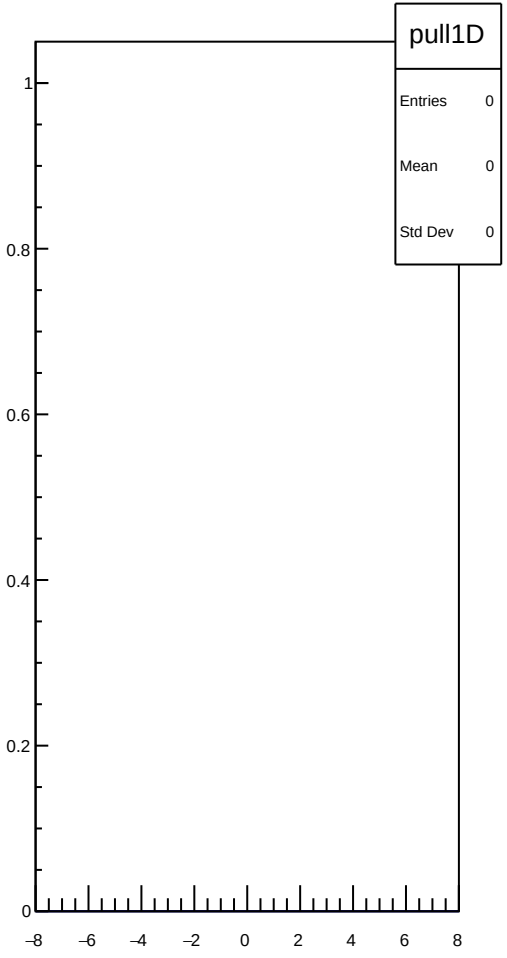

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

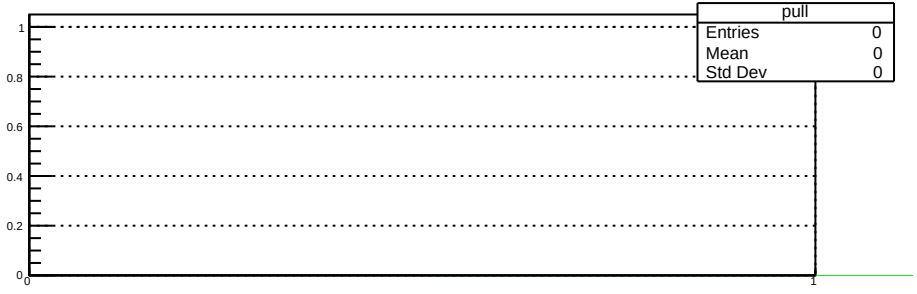

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 38.65 / 34
p0 25.58 ± 110.8
2000
1000
0
−1000
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −103
Std Dev 124.9
2
1
0
−1
−2

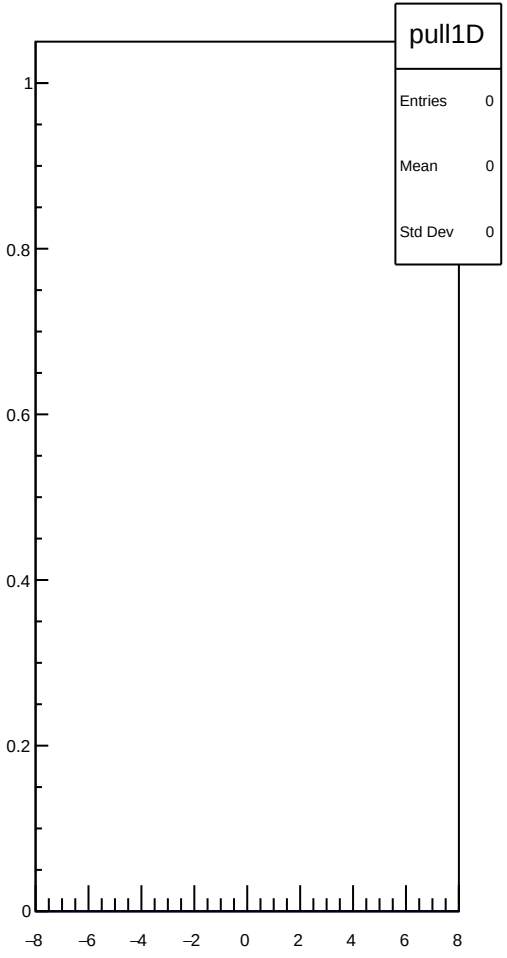

pull1D
Entries 35
Mean −0.01933
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

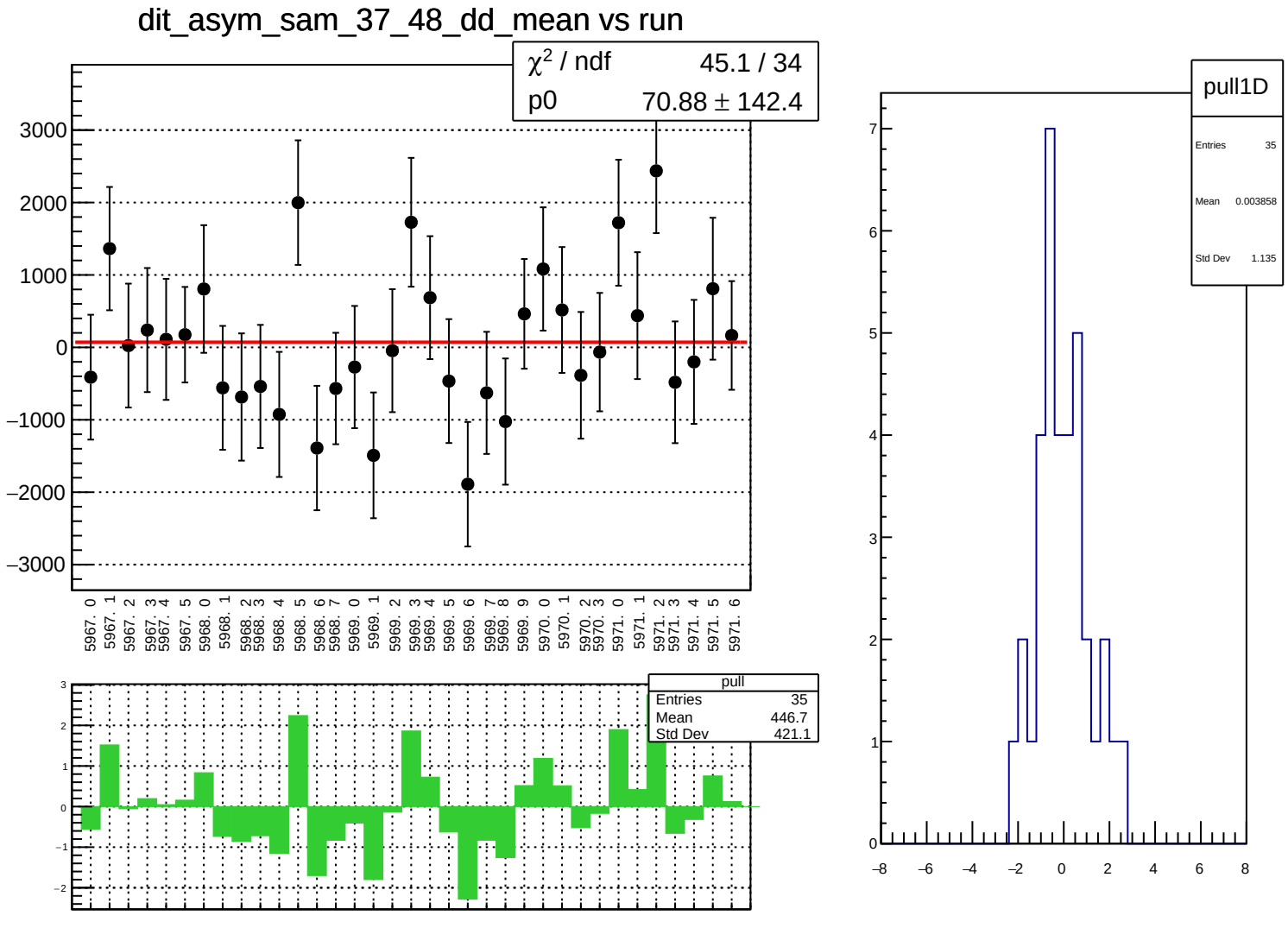

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 2036 / 34
p0 63.47 ± 0.07832
80
75
70
65
60
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

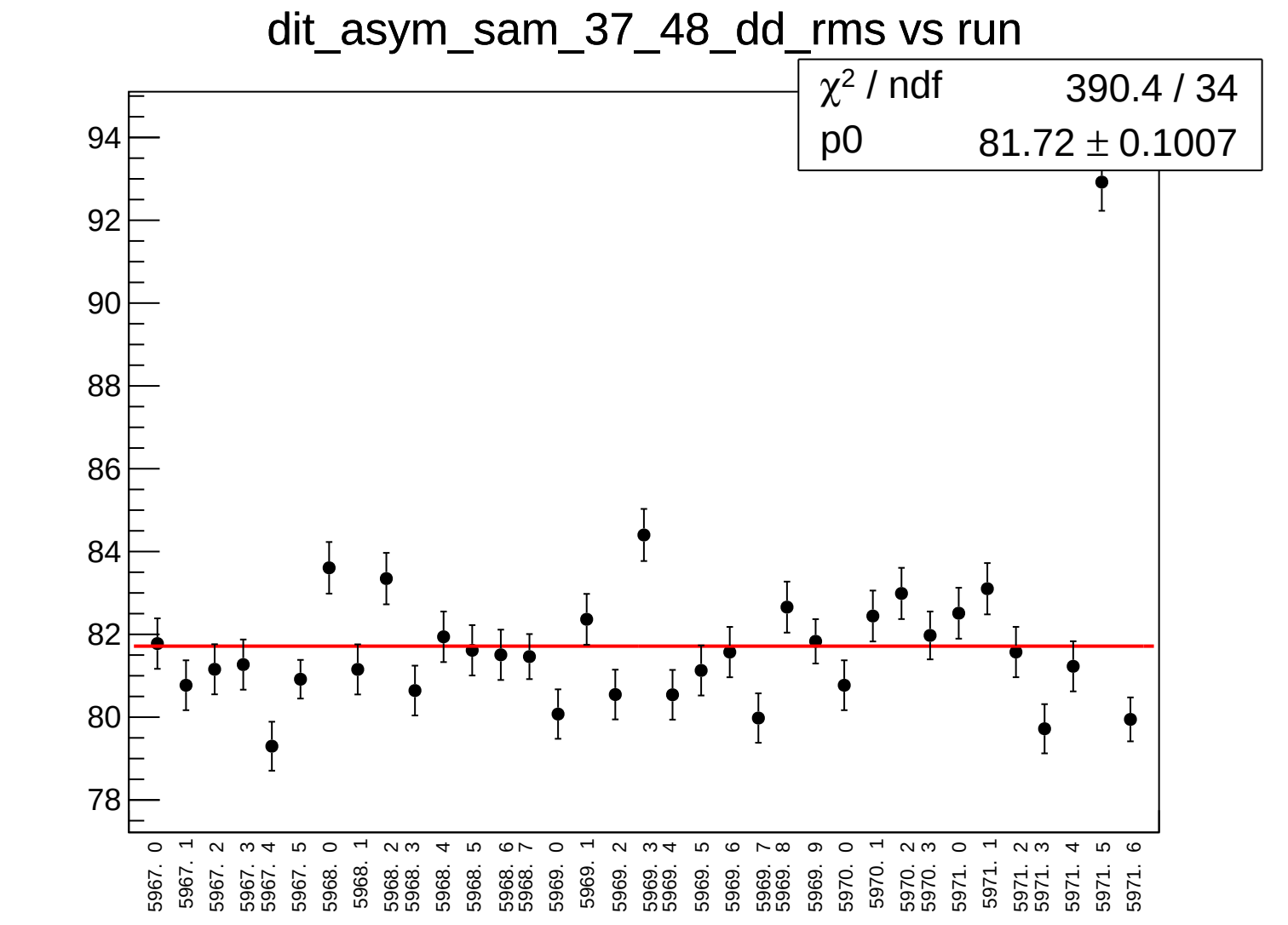

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

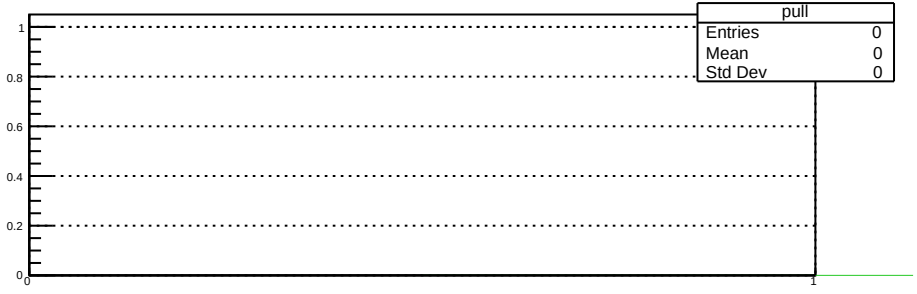

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

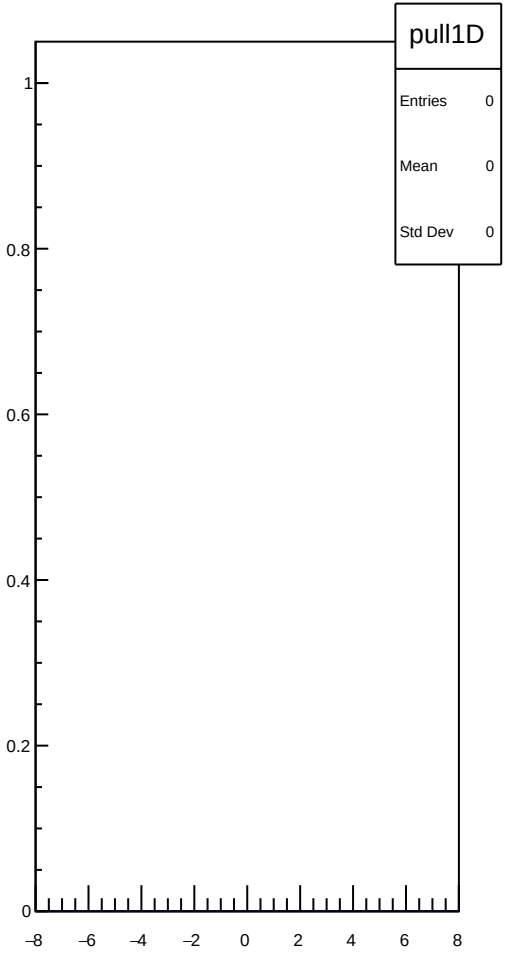

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

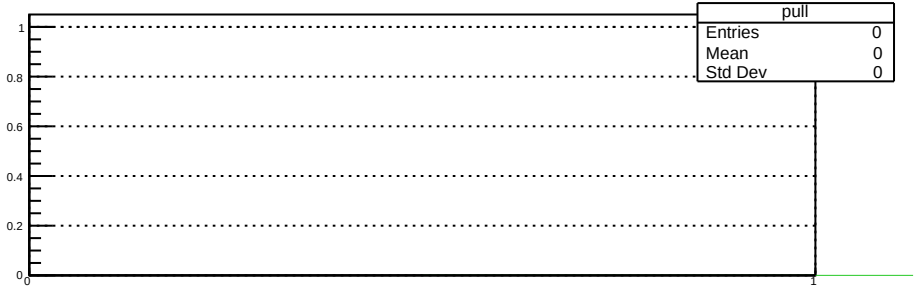

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

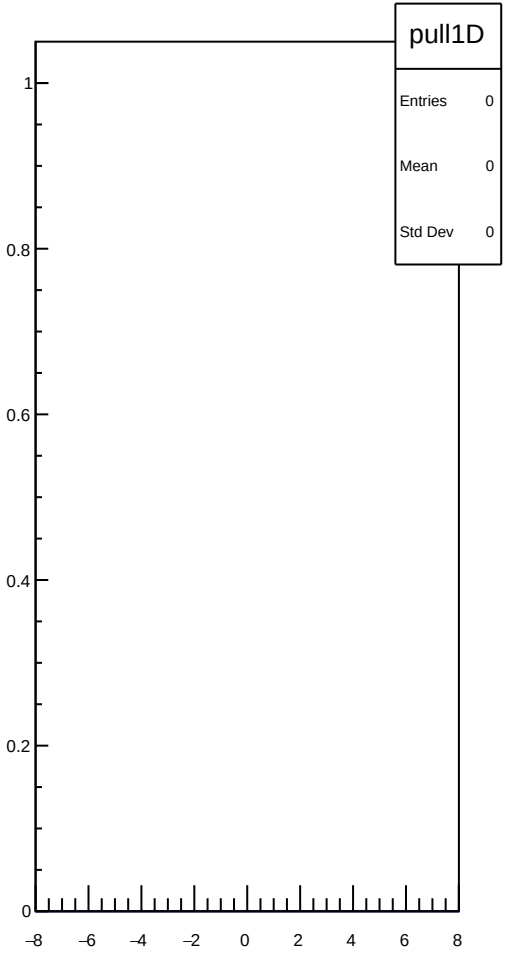

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 45.1 / 34
p0 70.88 ± 142.4
3000
2000
1000
0
−1000
−2000
−3000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 446.7
Std Dev 421.1
pull1D
Entries 35
Mean 0.003858
Std Dev 1.135

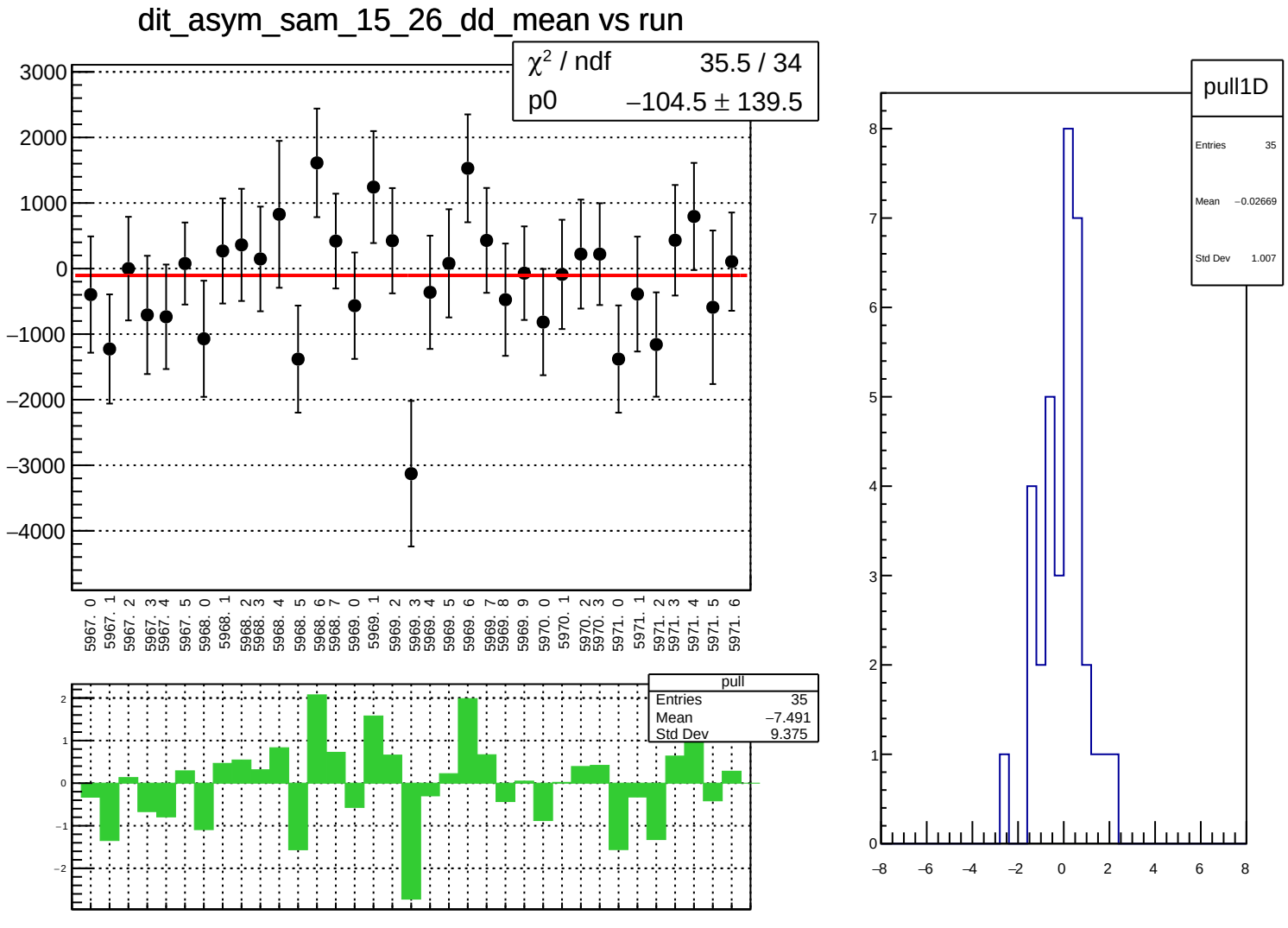

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 390.4 / 34
p0 81.72 ± 0.1007
94
92
90
88
86
84
82
80
78
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

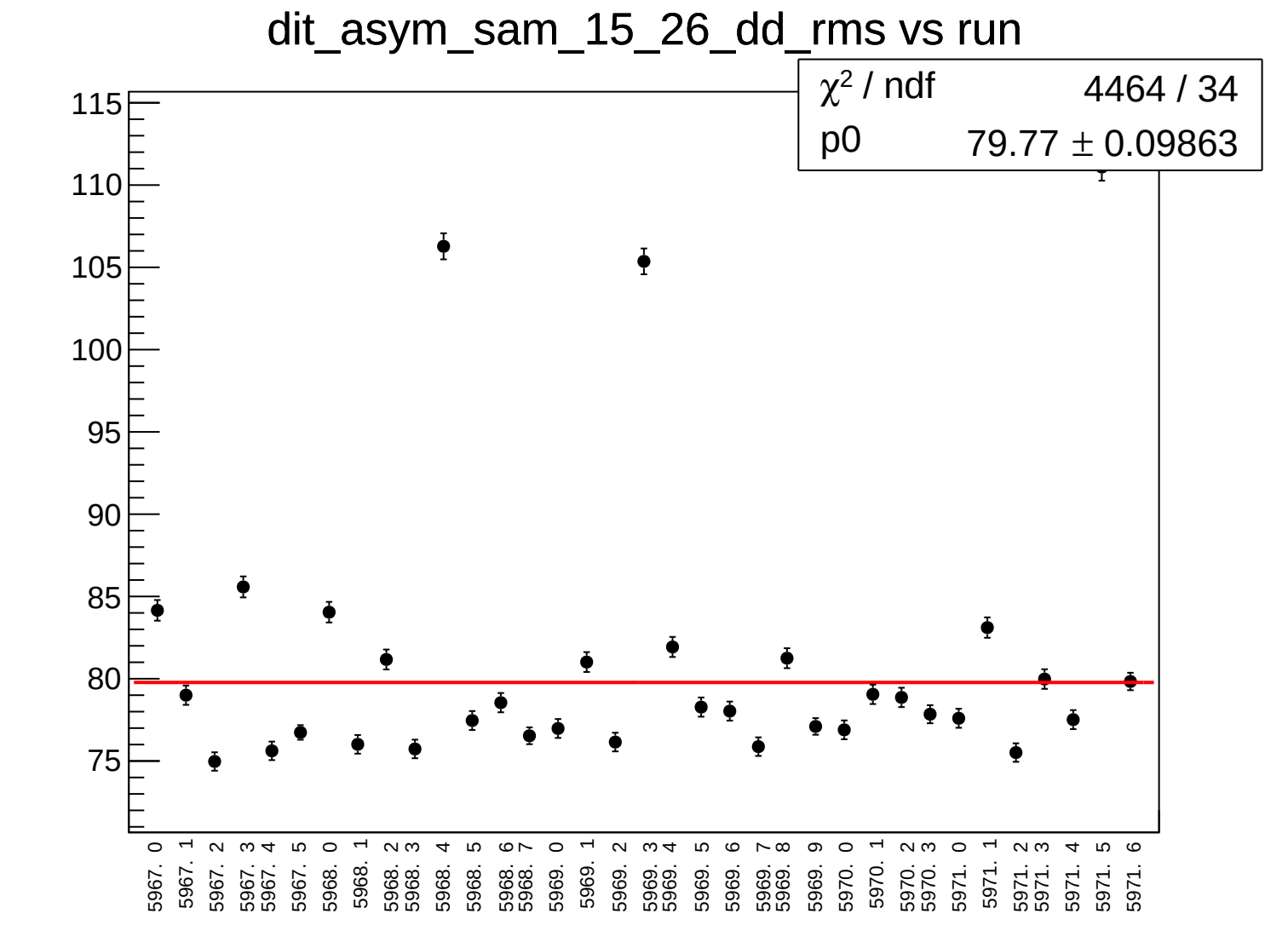

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

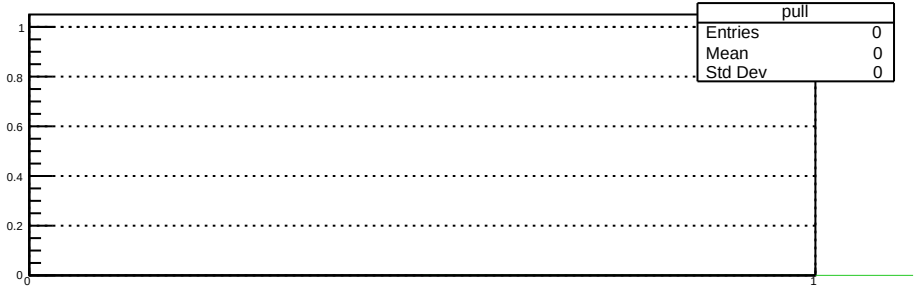

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

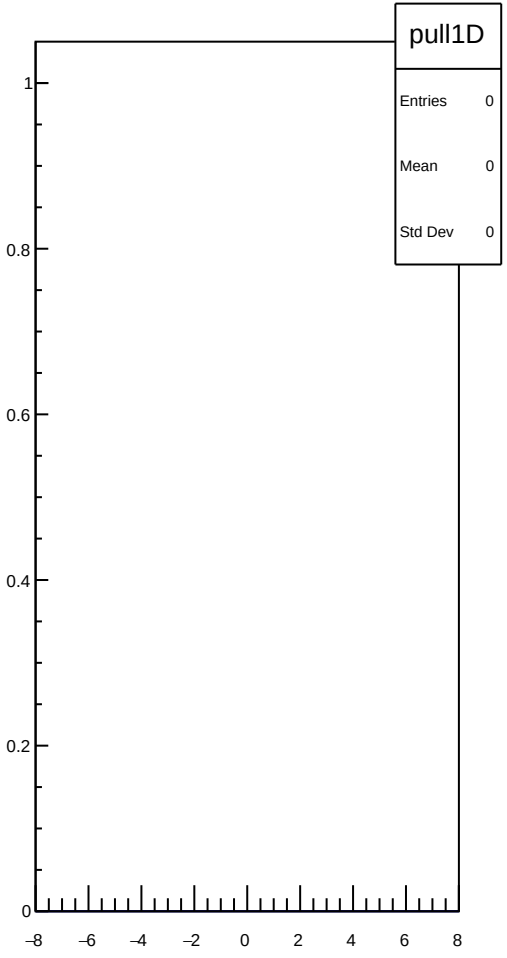

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

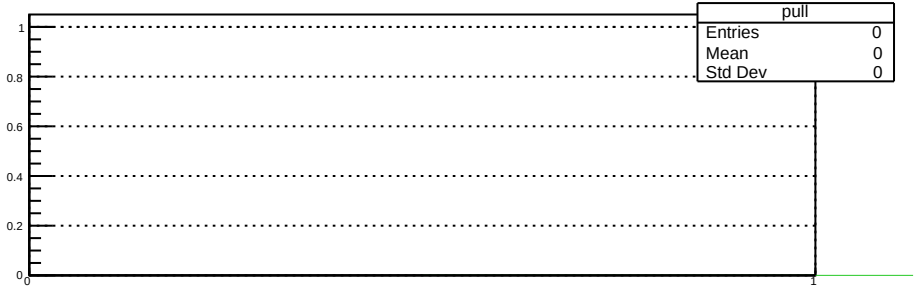

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

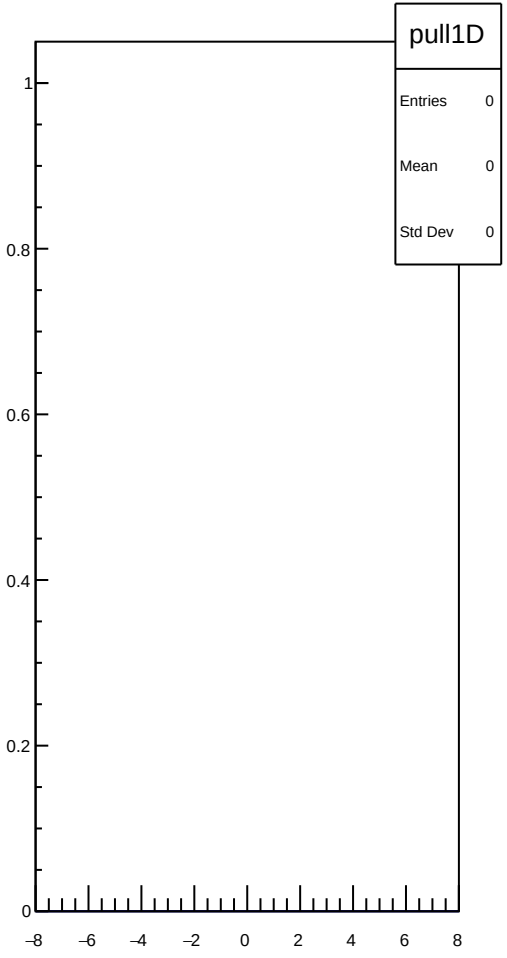

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 35.5 / 34
p0 −104.5 ± 139.5
3000
2000
1000
0
−1000
−2000
−3000
−4000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −7.491
Std Dev 9.375
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.02669
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

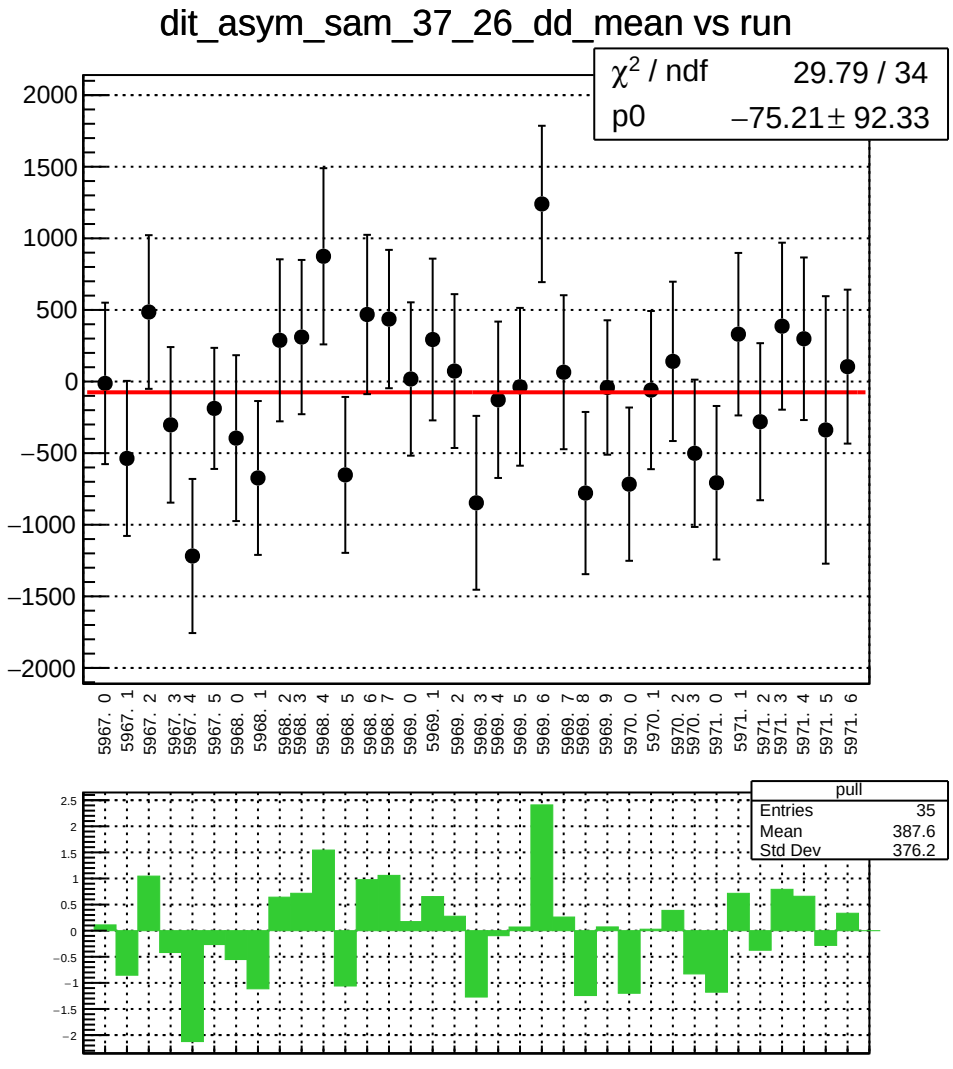

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4464 / 34
p0 79.77 ± 0.09863
115
110
105
100
95
90
85
80
75
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

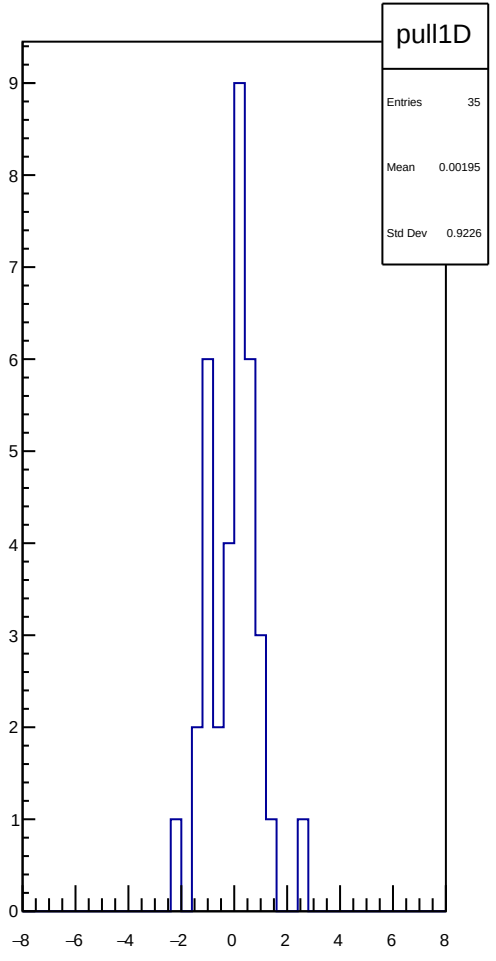

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

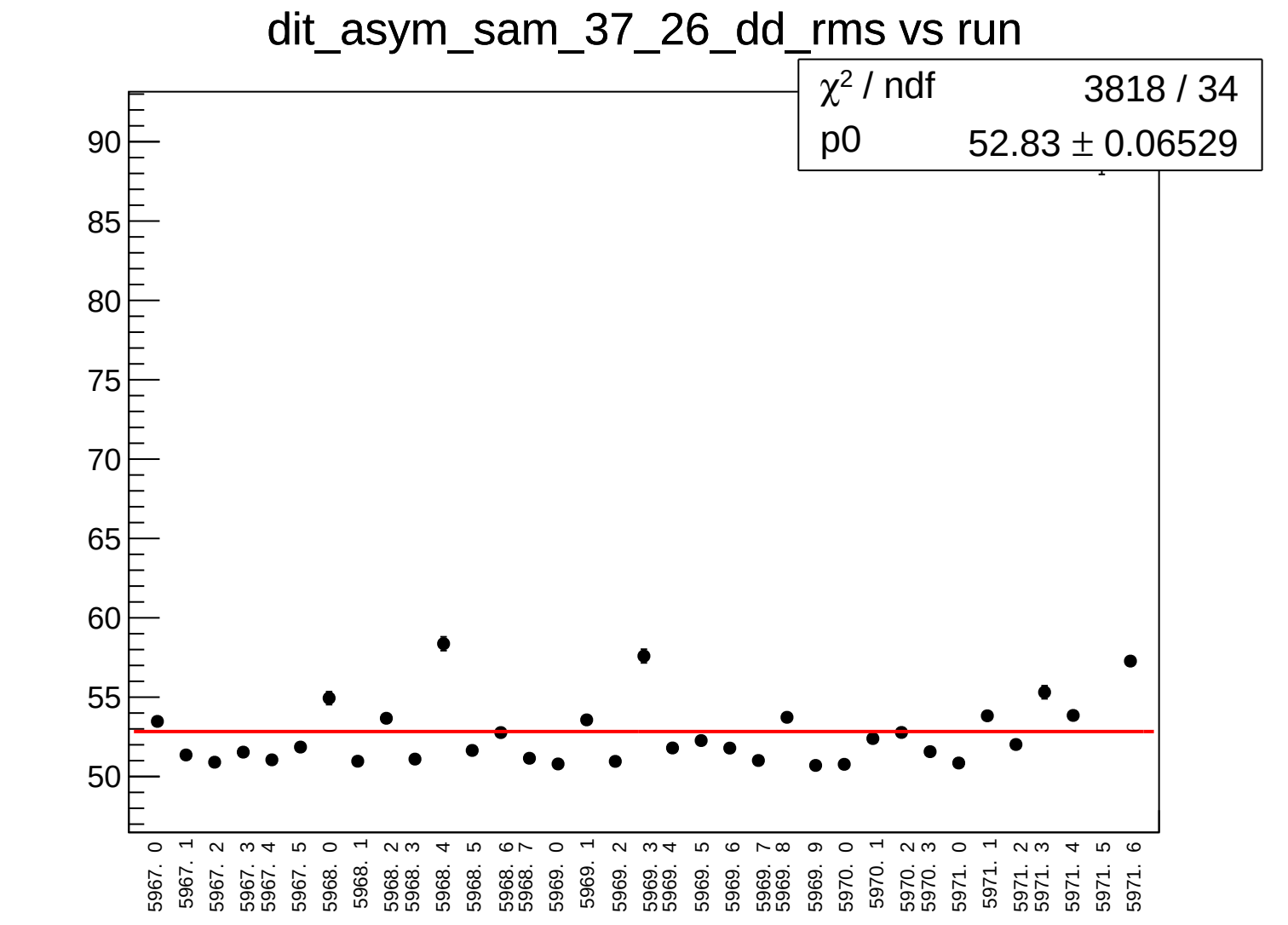

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

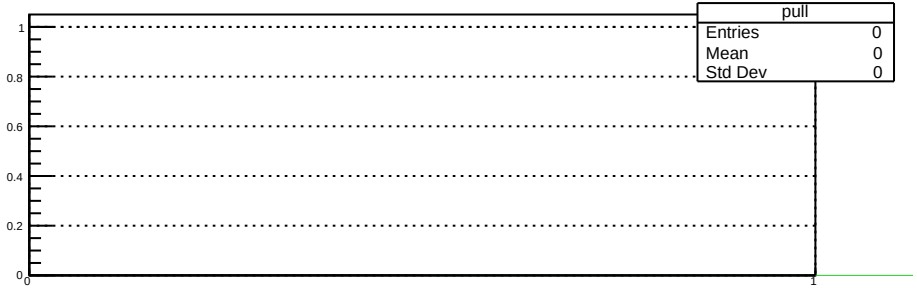

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

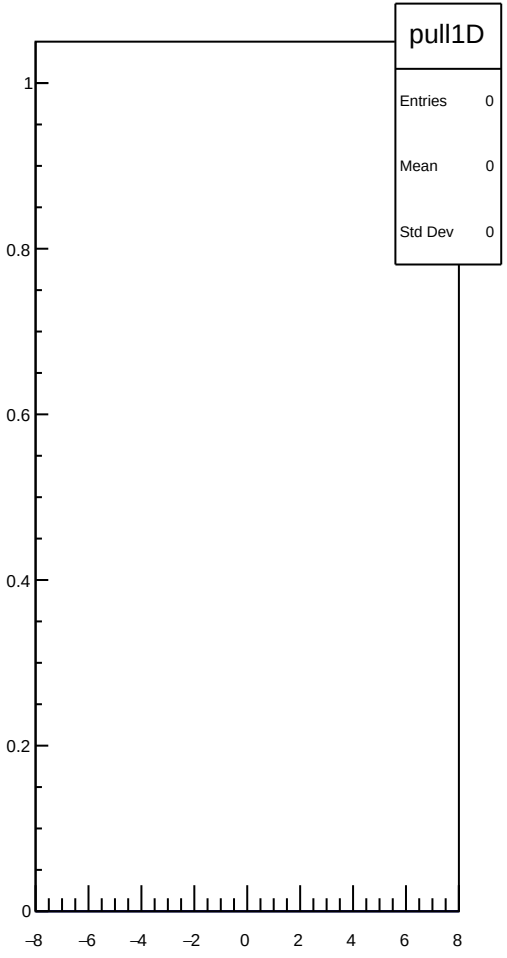

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

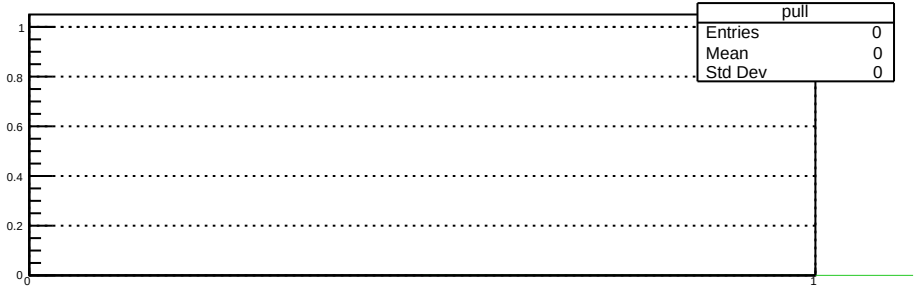

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 29.79 / 34
p0 −75.21 ± 92.33
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 387.6
Std Dev 376.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

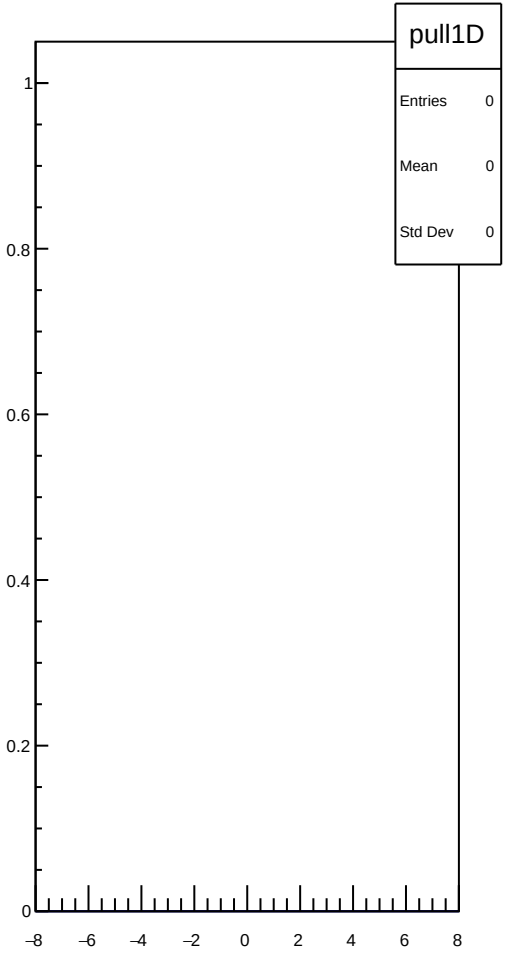

pull1D
Entries 35
Mean 0.00195
Std Dev 0.9226
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

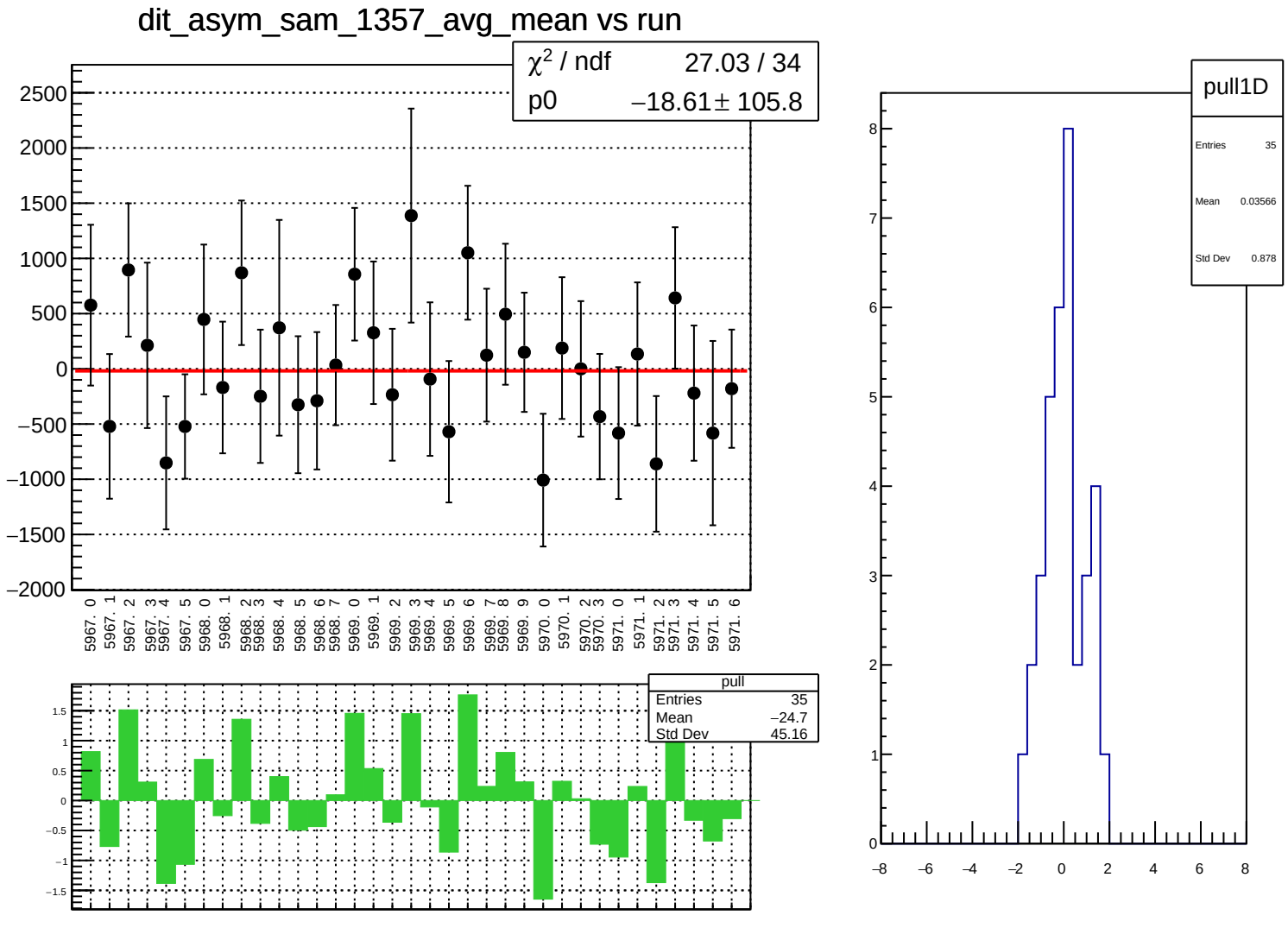

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 3818 / 34
p0 52.83 ± 0.06529
90
85
80
75
70
65
60
55
50
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

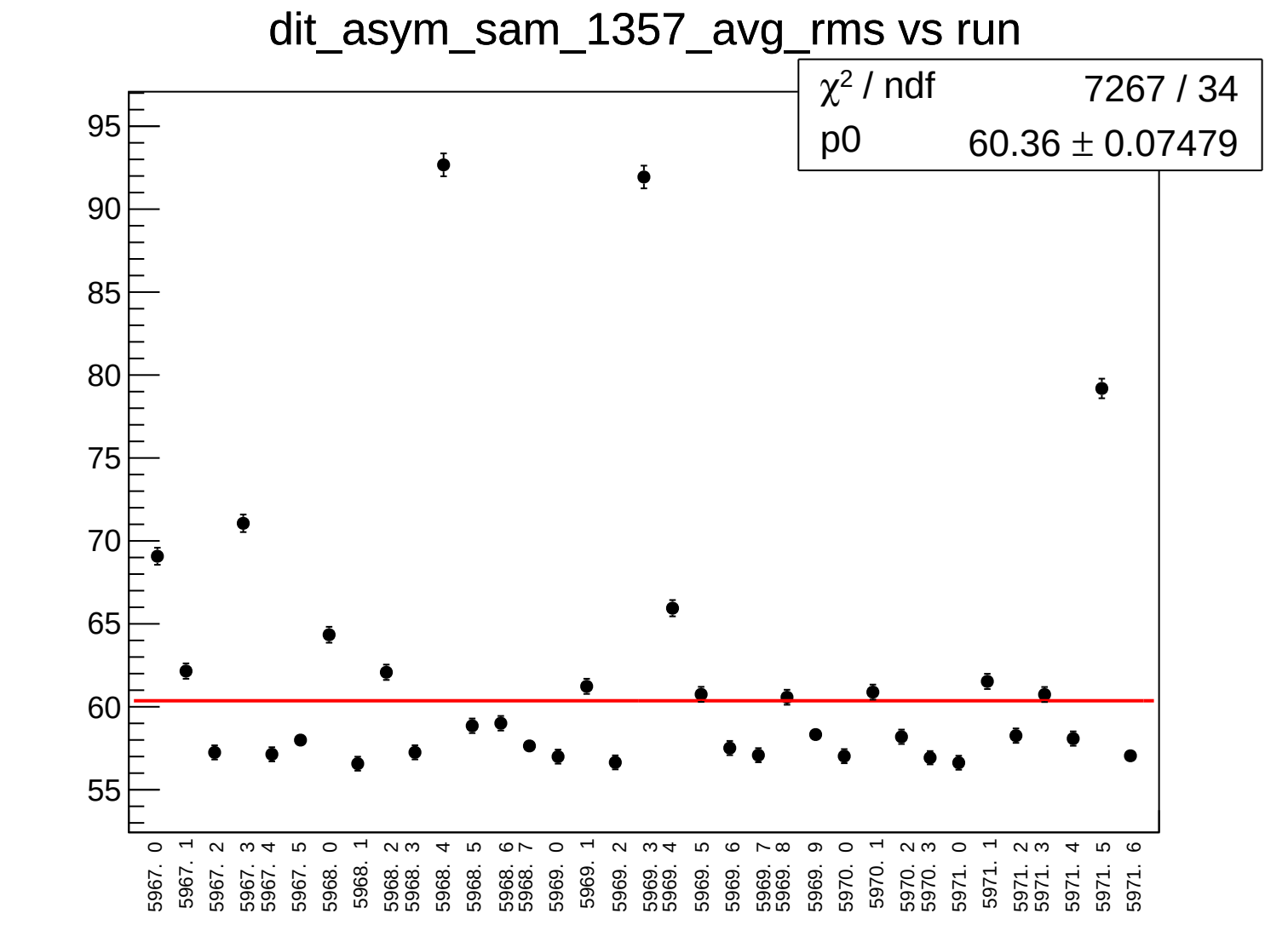

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

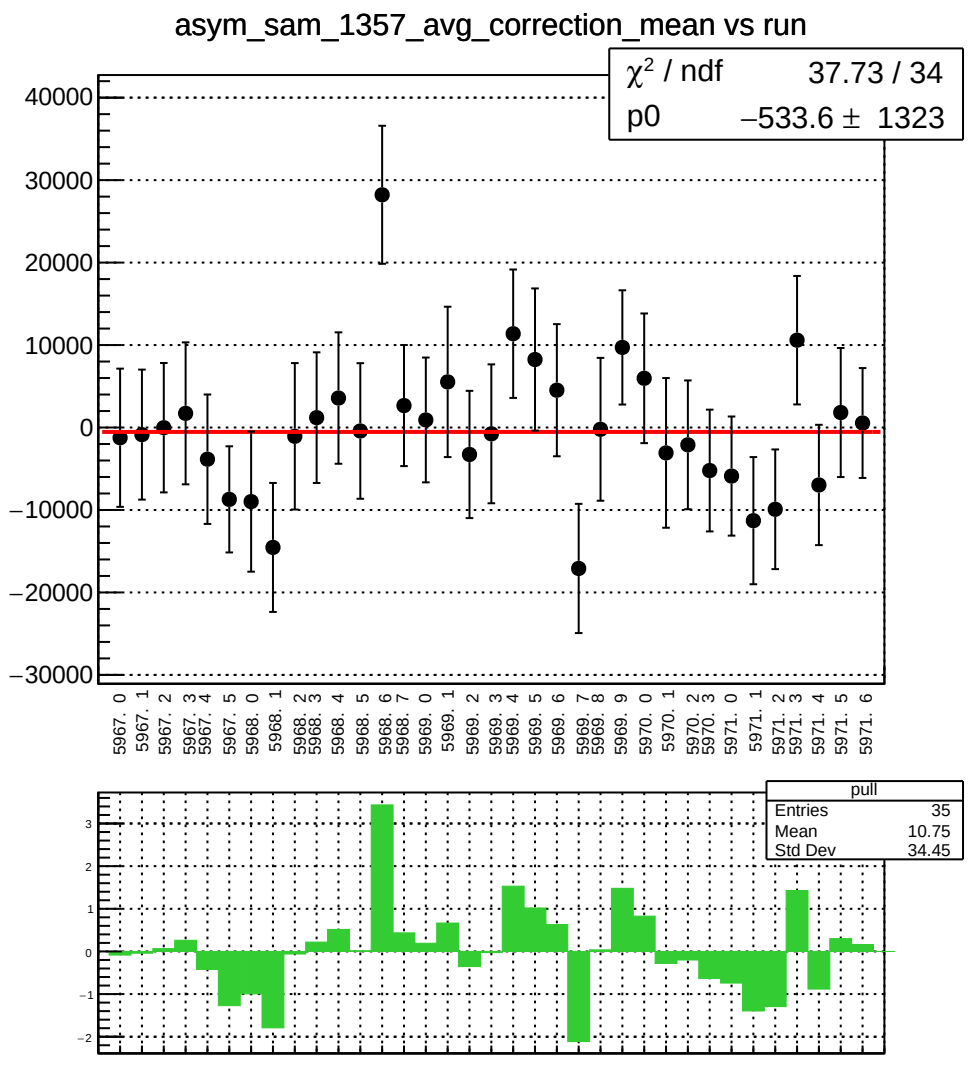

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

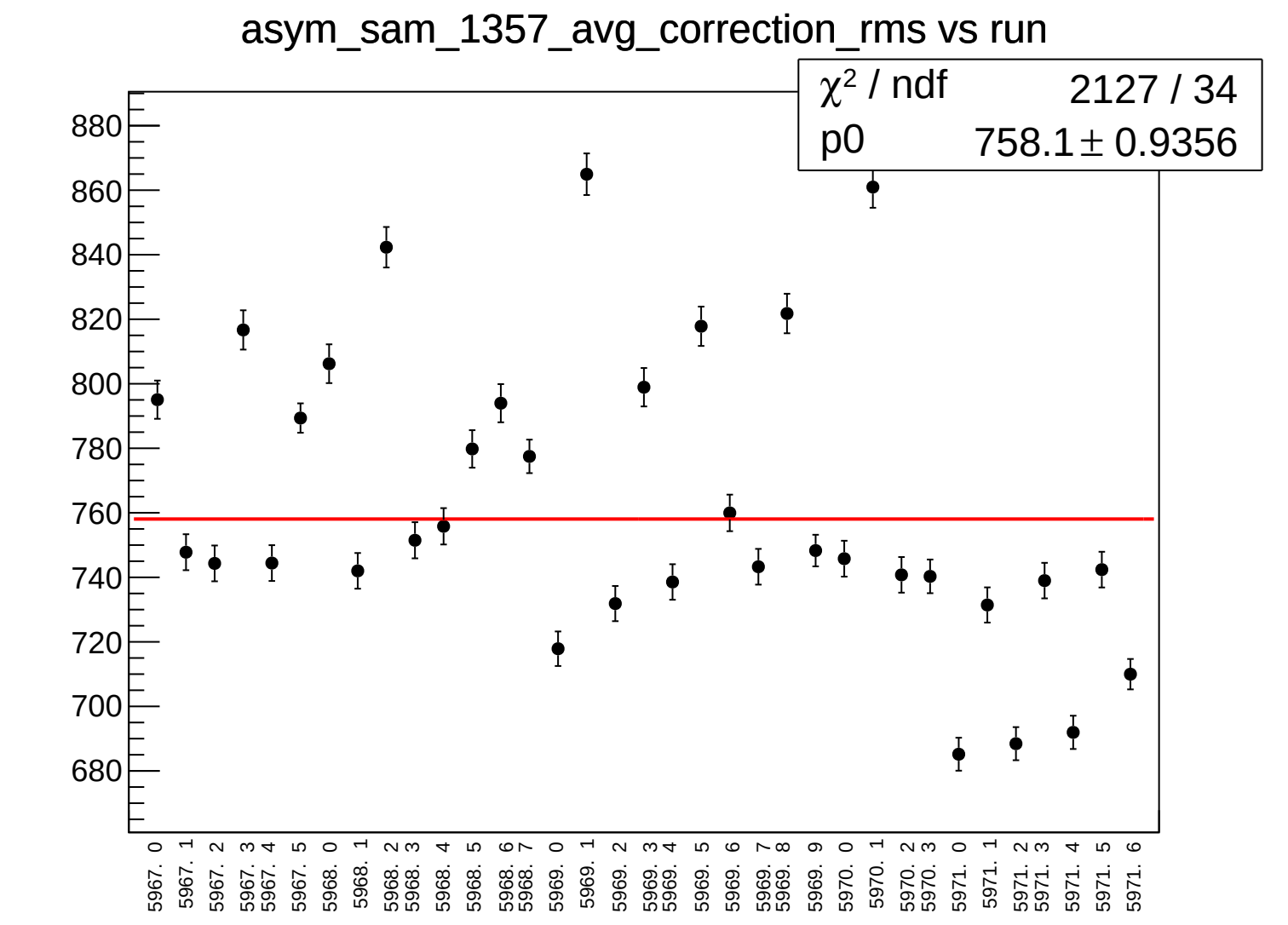

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

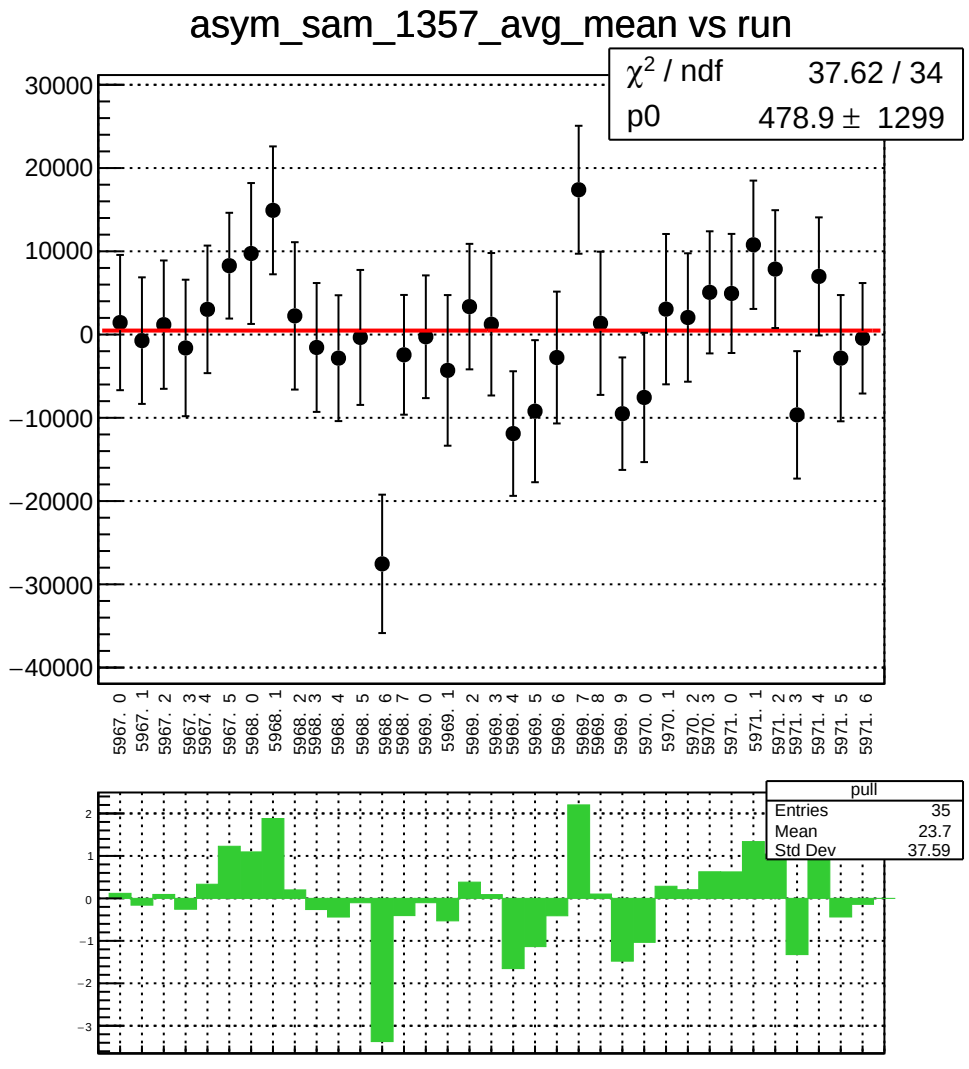

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

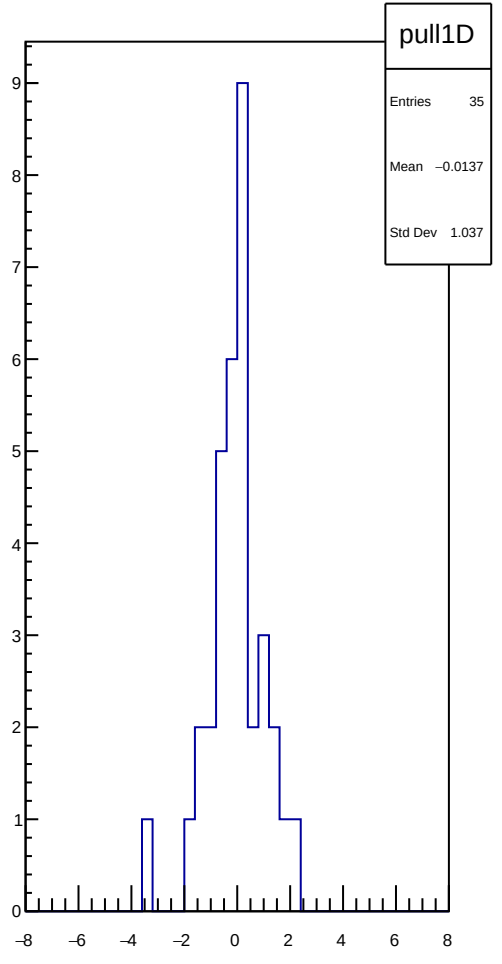

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 27.03 / 34
p0 −18.61 ± 105.8
pull
Entries 35
Mean −24.7
Std Dev 45.16
pull1D
Entries 35
Mean 0.03566
Std Dev 0.878

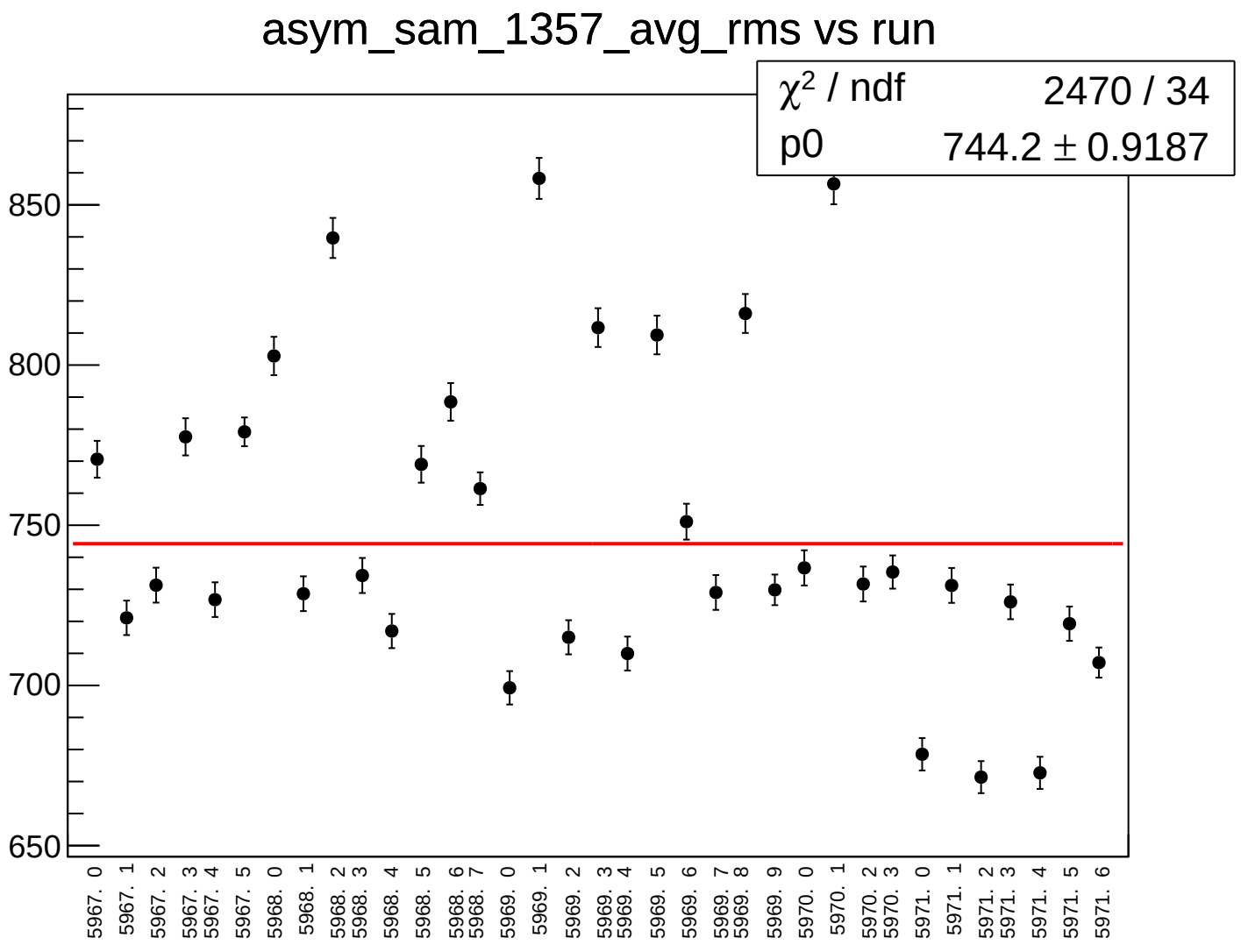

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 7267 / 34
p0 60.36 ± 0.07479
95
90
85
80
75
70
65
60
55
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

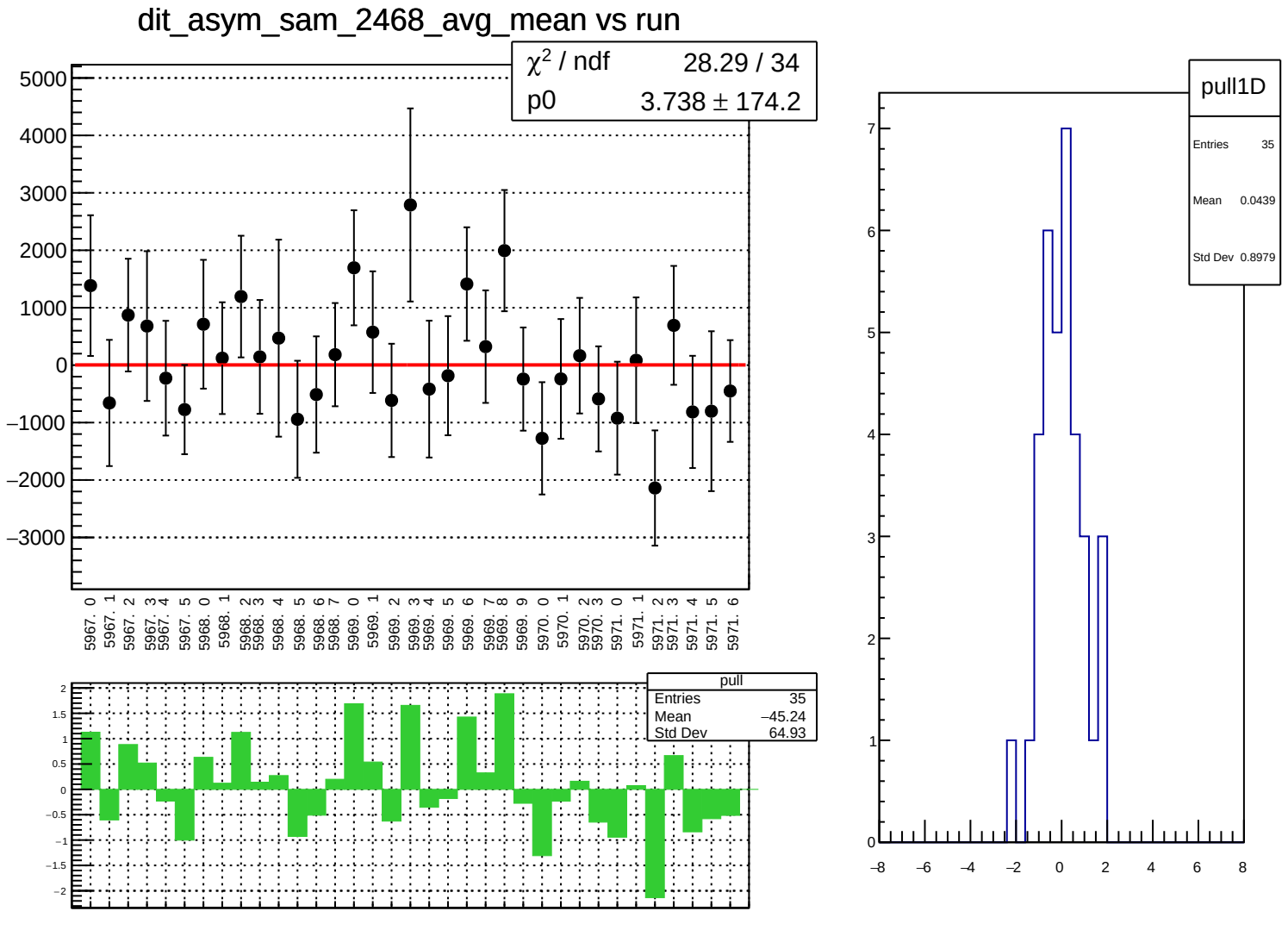

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 37.73 / 34
p0 −533.6 ± 1323
40000
30000
20000
10000
0
−10000
−20000
−30000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 10.75
Std Dev 34.45
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.01804
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

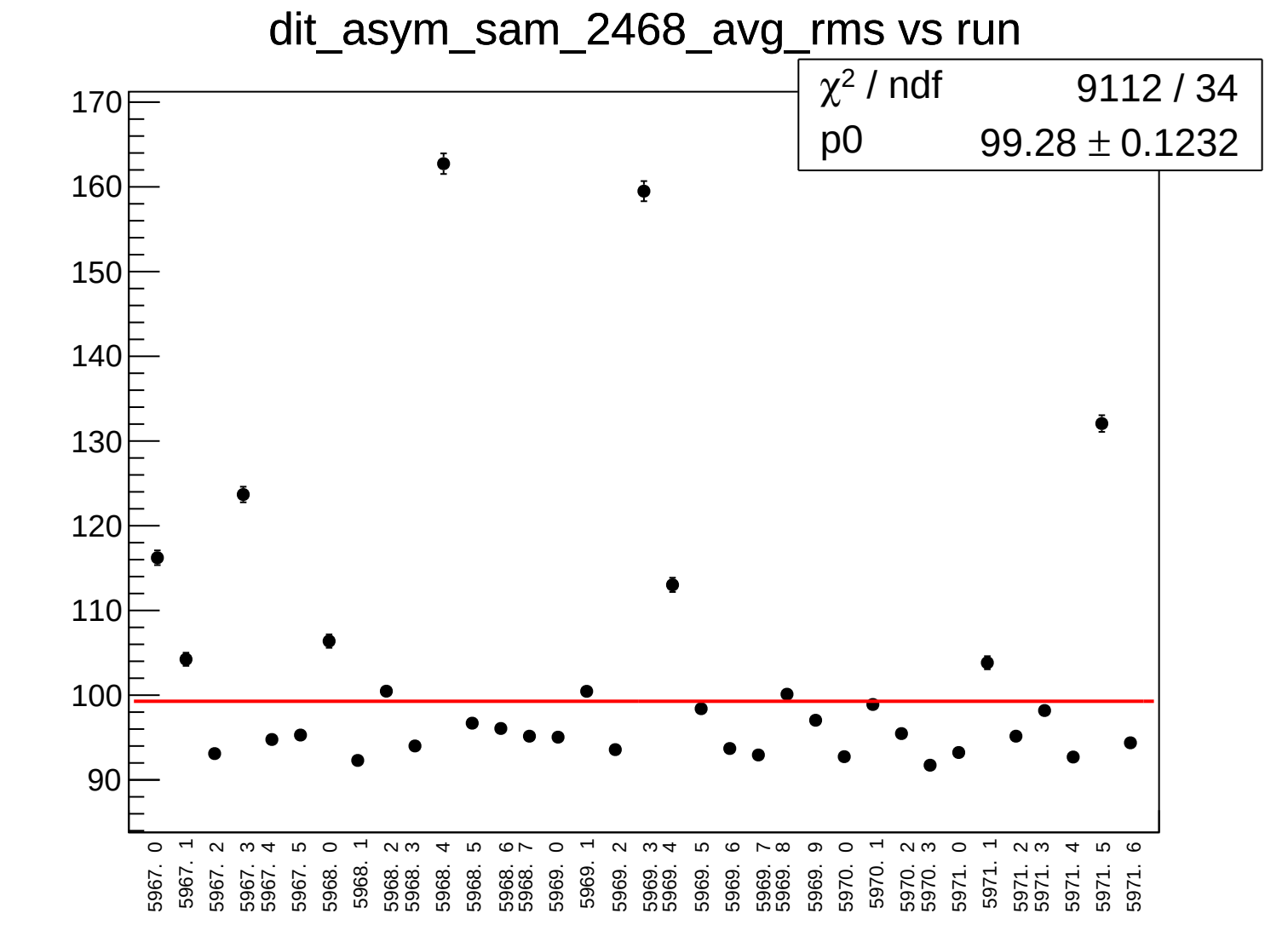

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2127 / 34
p0 758.1 ± 0.9356
880
860
840
820
800
780
760
740
720
700
680
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

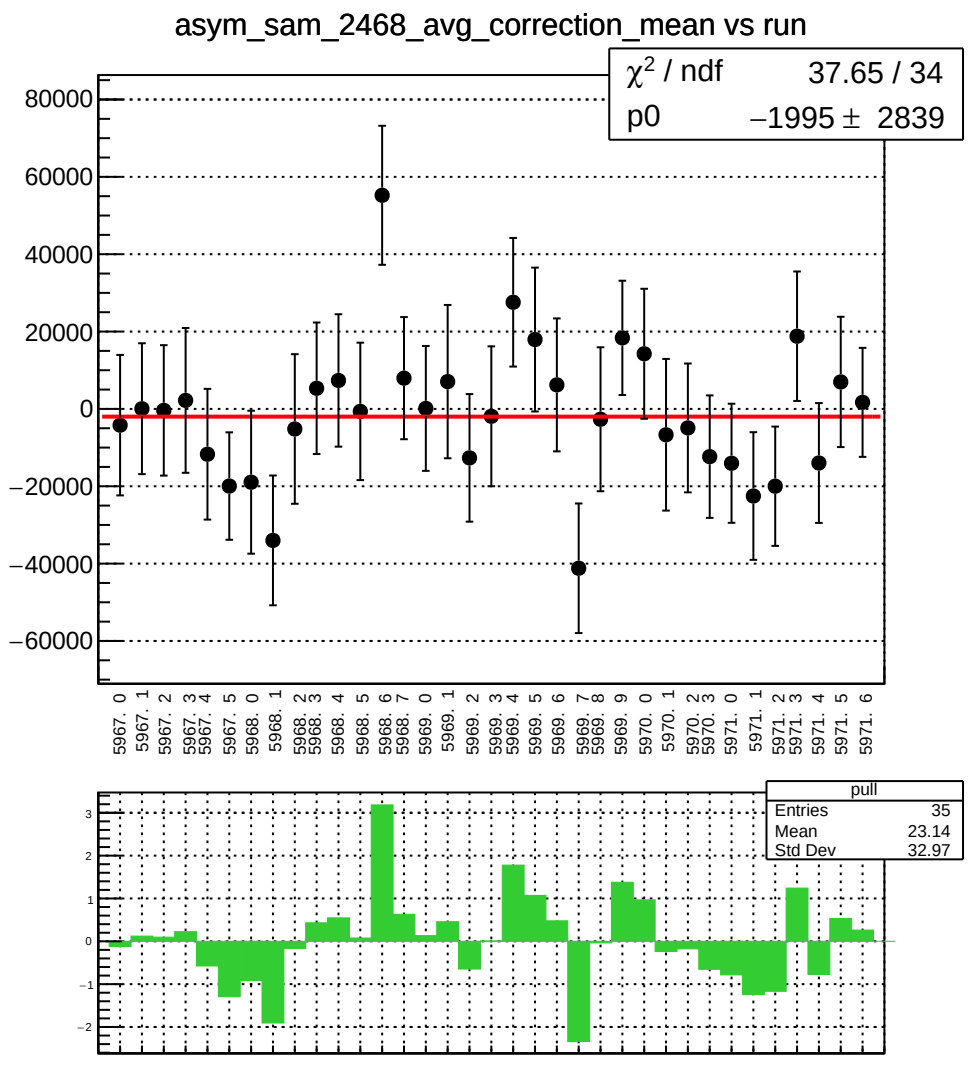

asym_sam_1357_avg_mean vs run
χ² / ndf 37.62 / 34
p0 478.9 ± 1299
30000
20000
10000
0
−10000
−20000
−30000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 23.7
Std Dev 37.59
2
1
0
−1
−2
−3

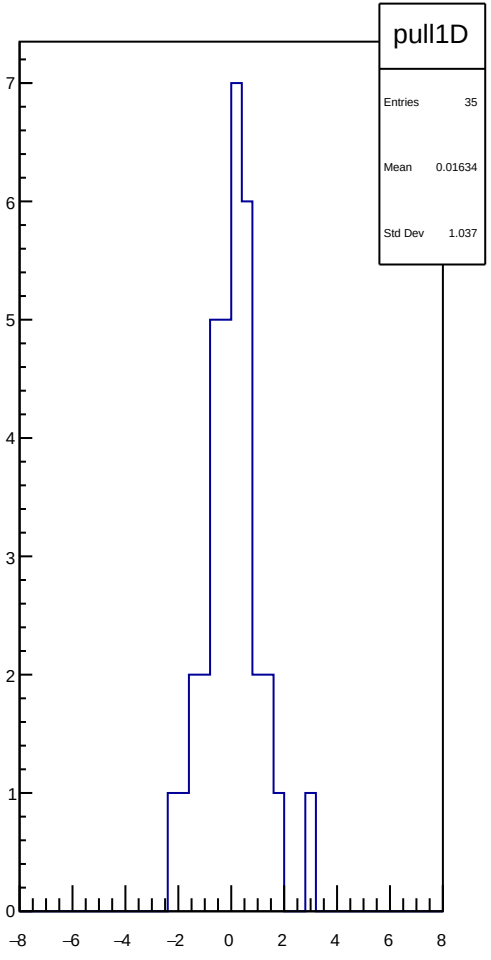

pull1D
Entries 35
Mean −0.0137
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

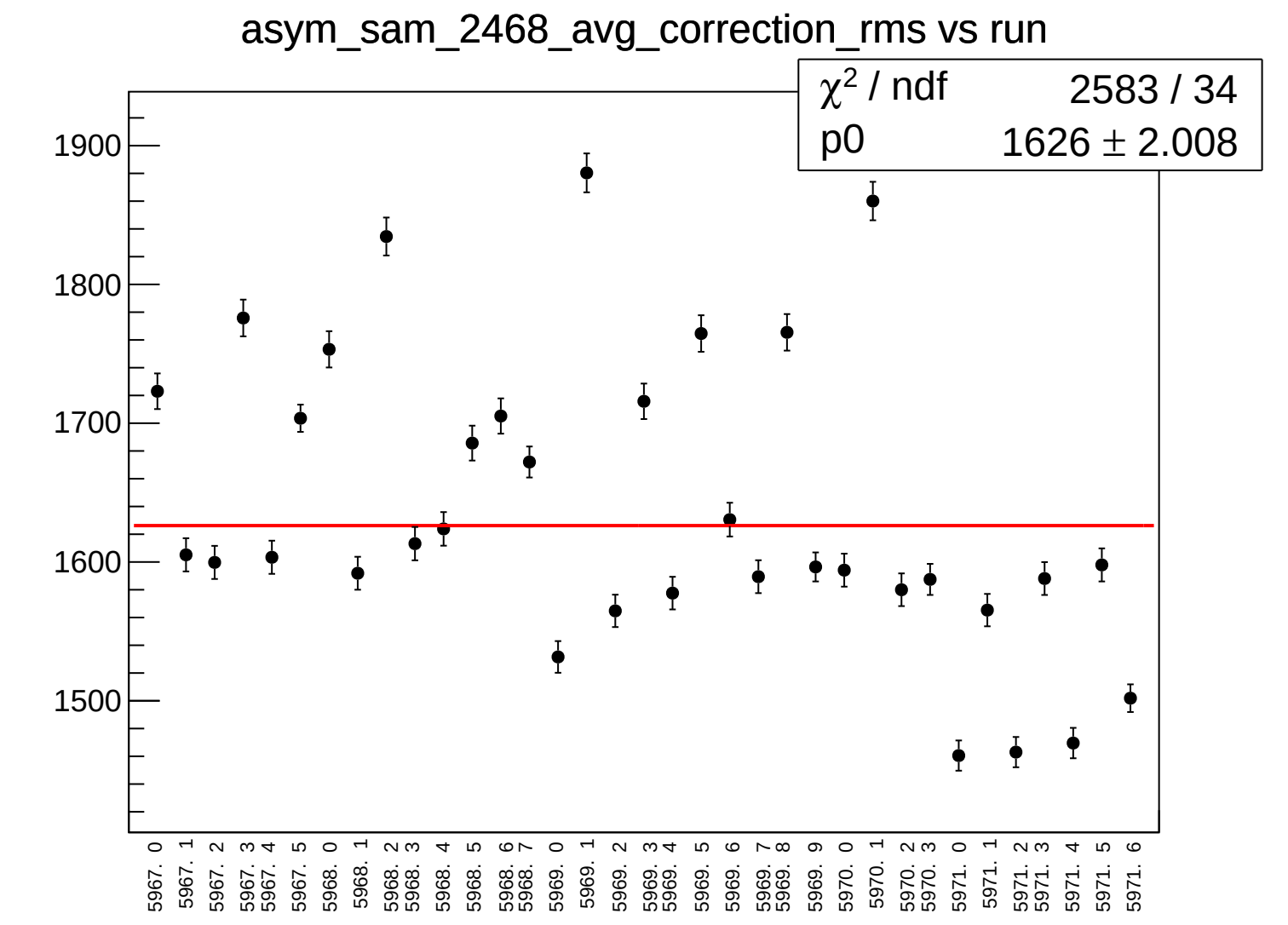

asym_sam_1357_avg_rms vs run
χ² / ndf 2470 / 34
p0 744.2 ± 0.9187
850
800
750
700
650
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

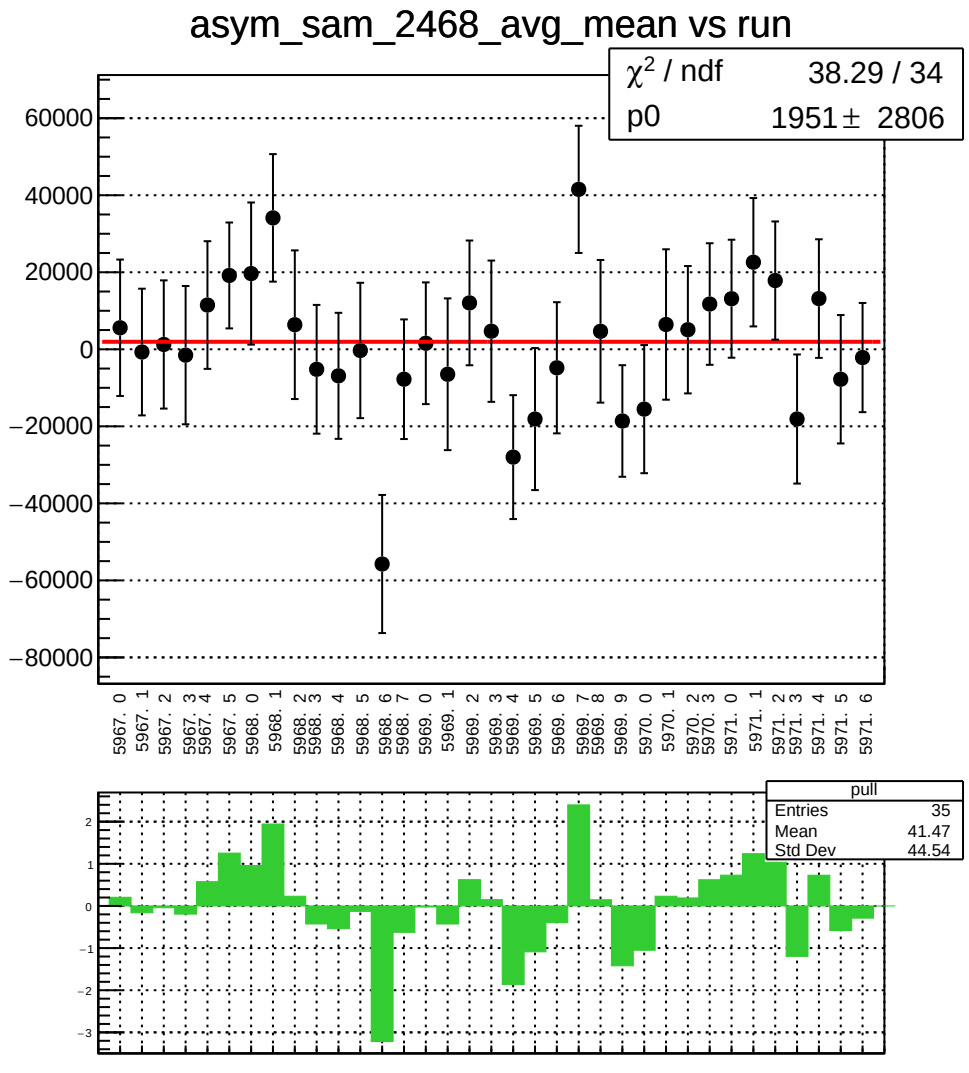

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 28.29 / 34
p0 3.738 ± 174.2
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −45.24
Std Dev 64.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.0439
Std Dev 0.8979
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

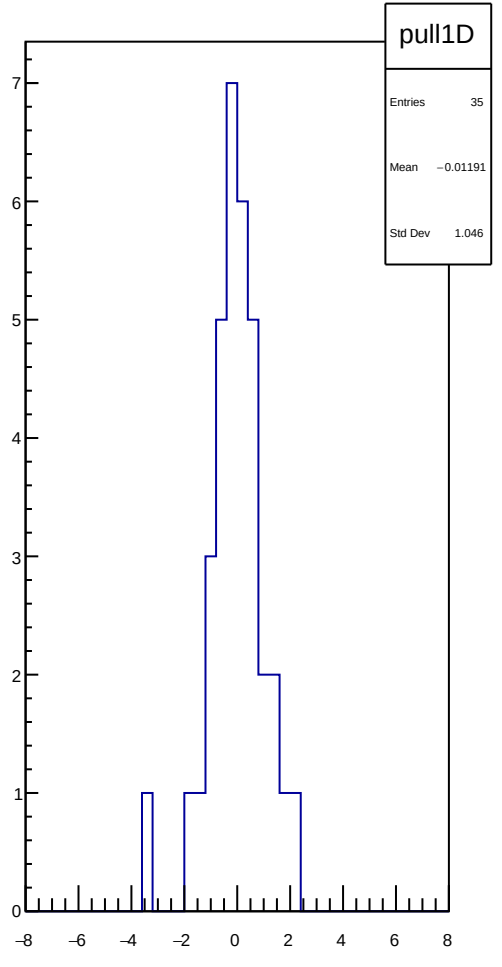

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 9112 / 34
p0 99.28 ± 0.1232
170
160
150
140
130
120
110
100
90
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

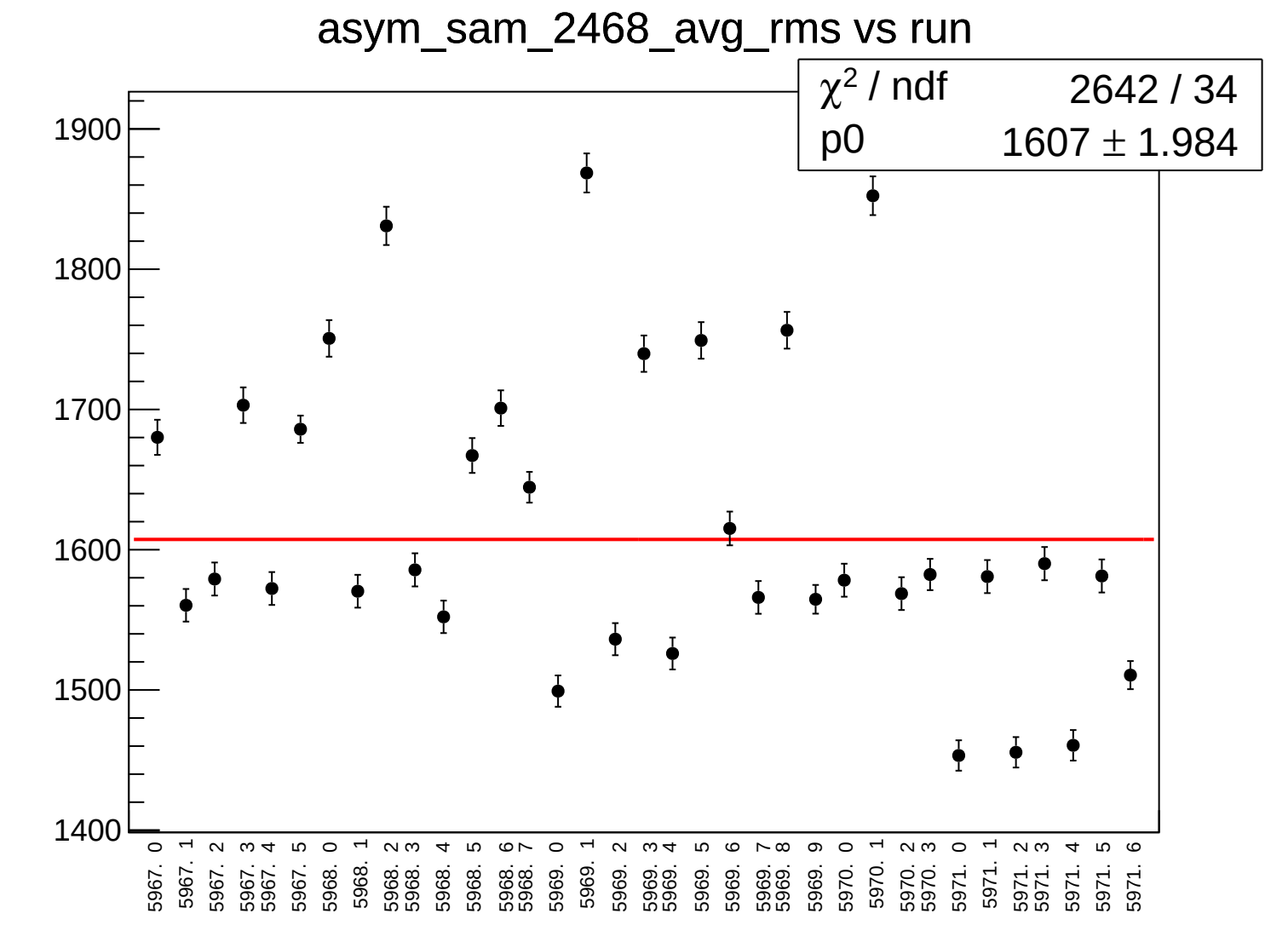

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 37.65 / 34
p0 −1995 ± 2839
80000
60000
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 23.14
Std Dev 32.97
3
2
1
0
−1
−2

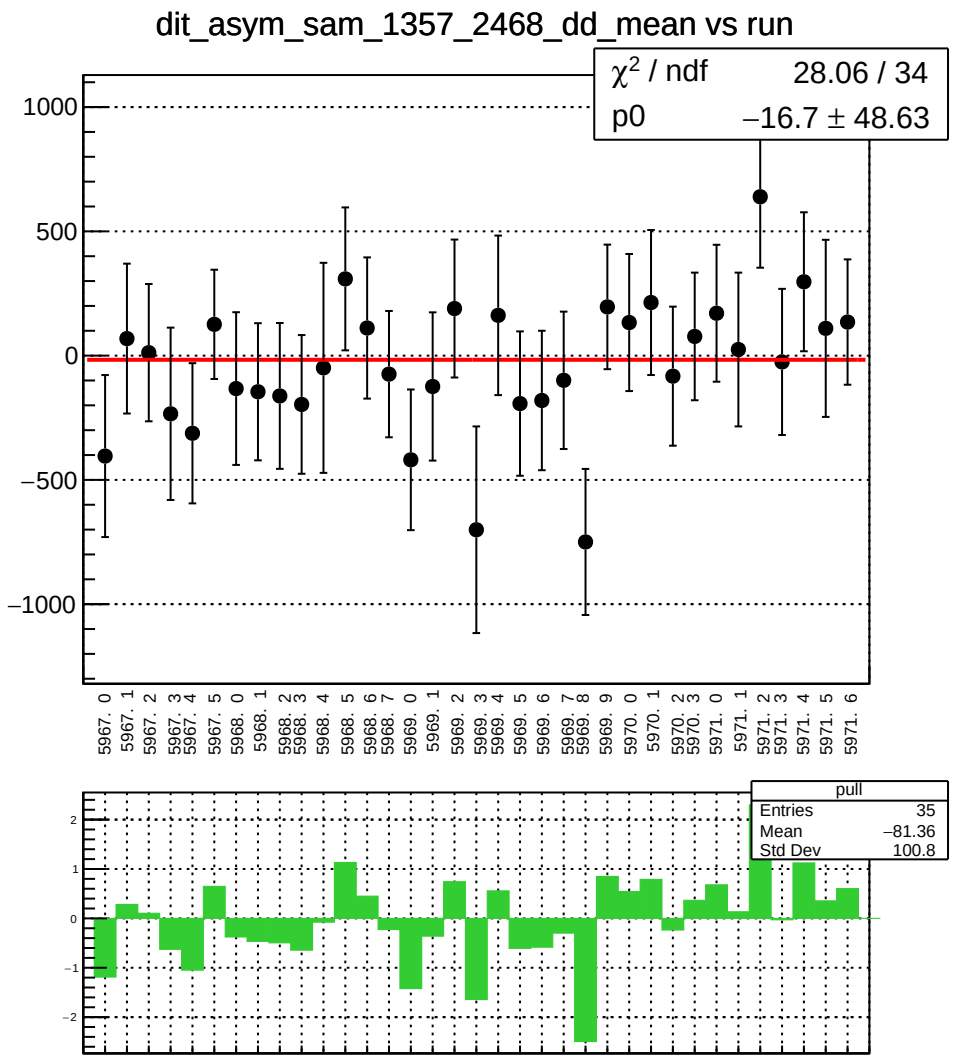

pull1D
Entries 35
Mean 0.01634
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

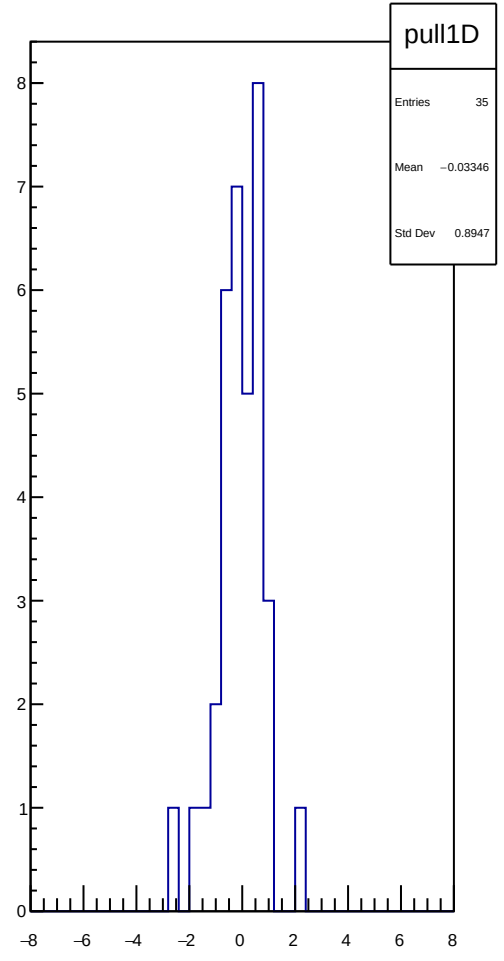

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2583 / 34
p0 1626 ± 2.008
1900
1800
1700
1600
1500
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

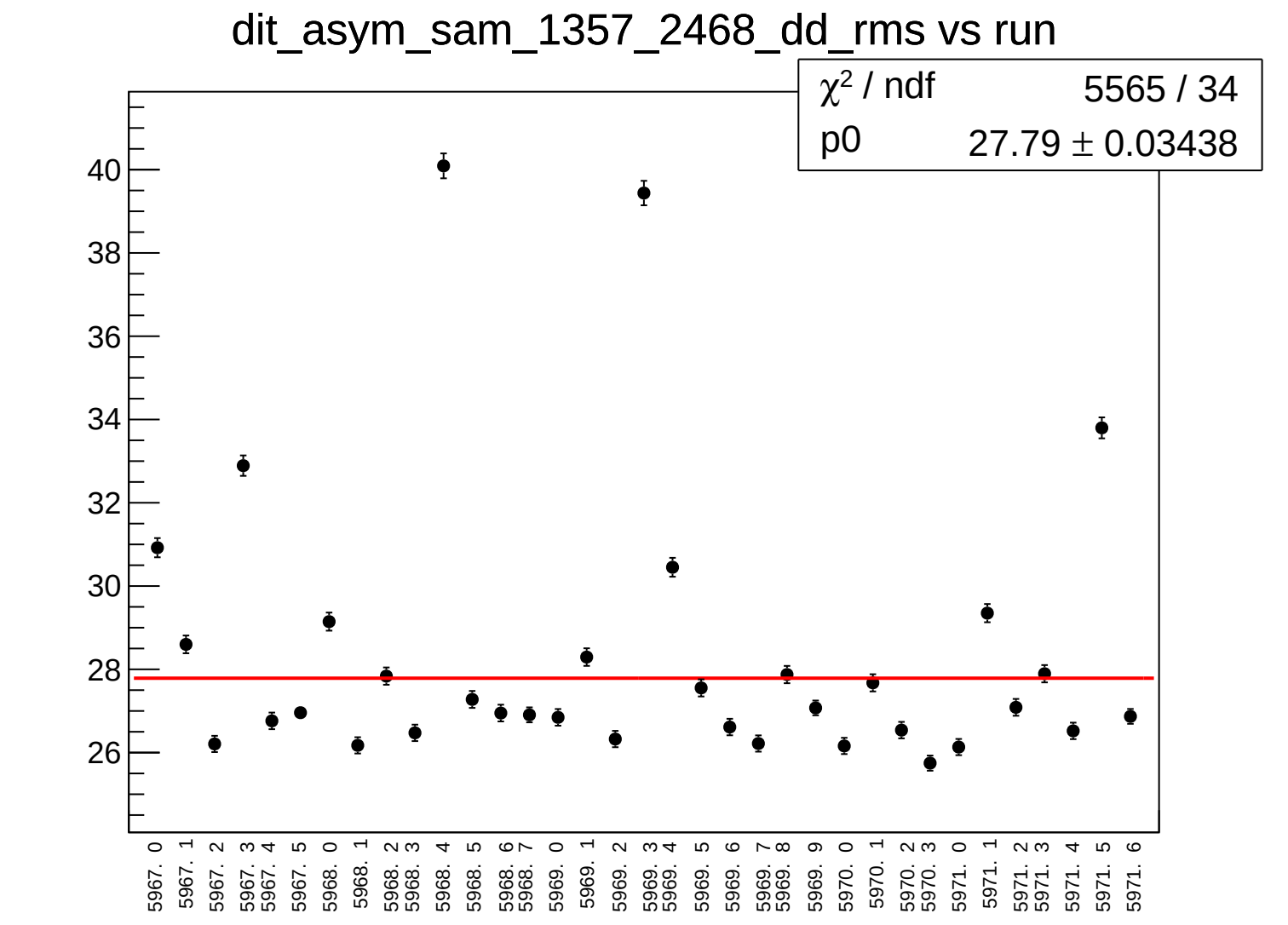

asym_sam_2468_avg_mean vs run
χ² / ndf 38.29 / 34
p0 1951 ± 2806
60000
40000
20000
0
−20000
−40000
−60000
−80000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 41.47
Std Dev 44.54
2
1
0
−1
−2
−3

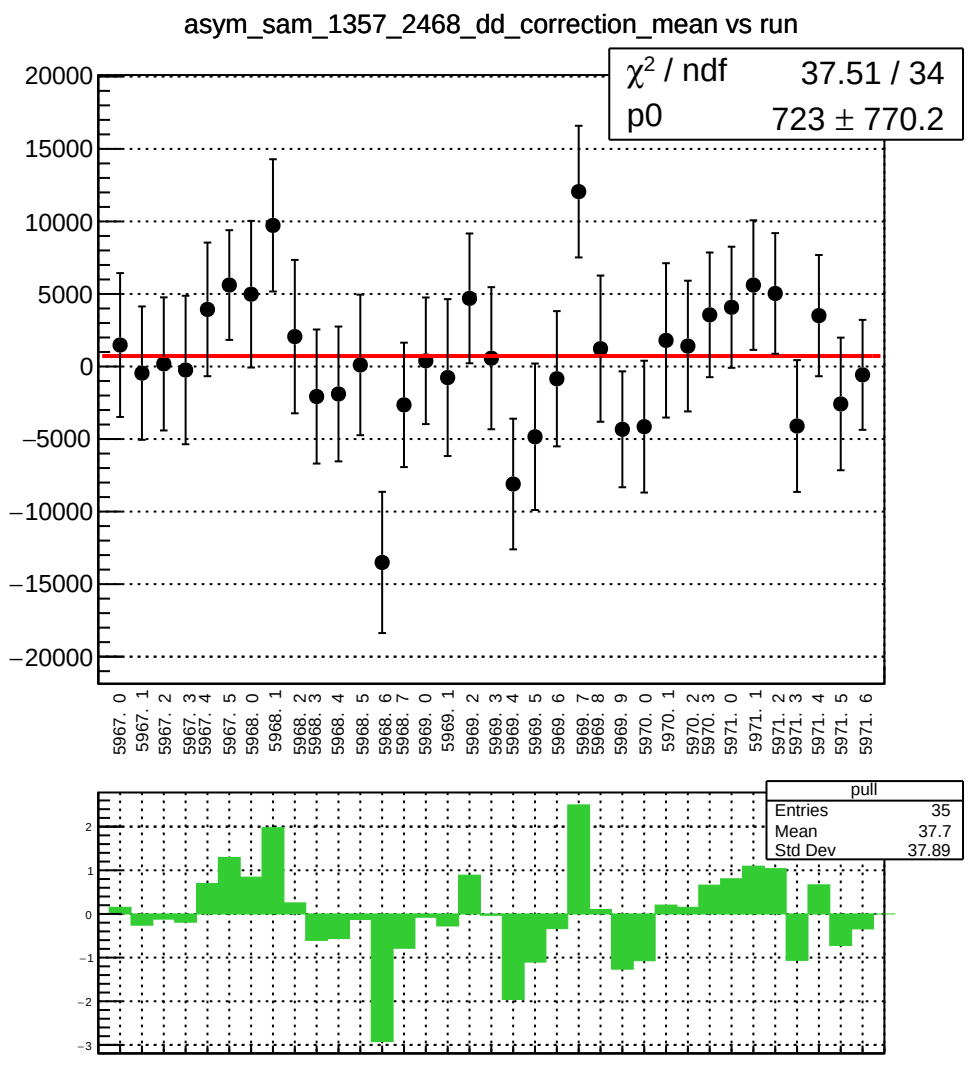

pull1D
Entries 35
Mean −0.01191
Std Dev 1.046
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

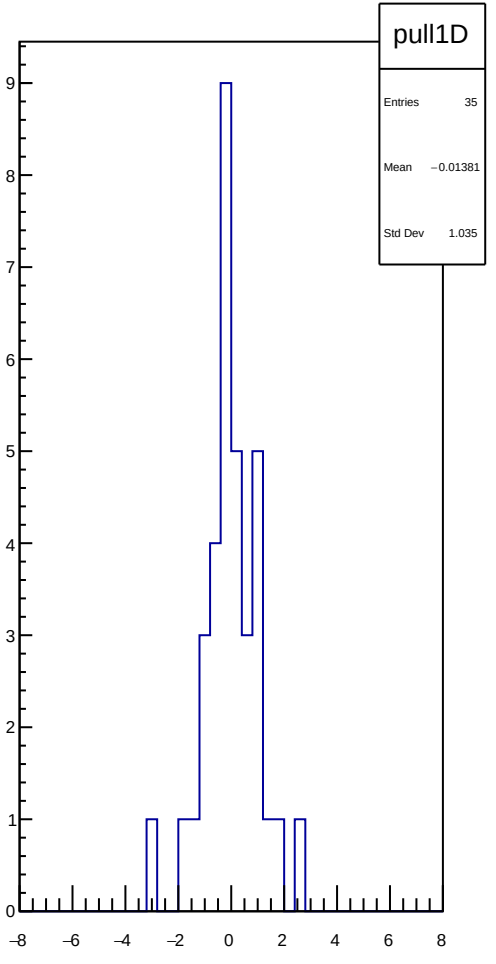

asym_sam_2468_avg_rms vs run
χ² / ndf 2642 / 34
p0 1607 ± 1.984
1900
1800
1700
1600
1500
1400
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

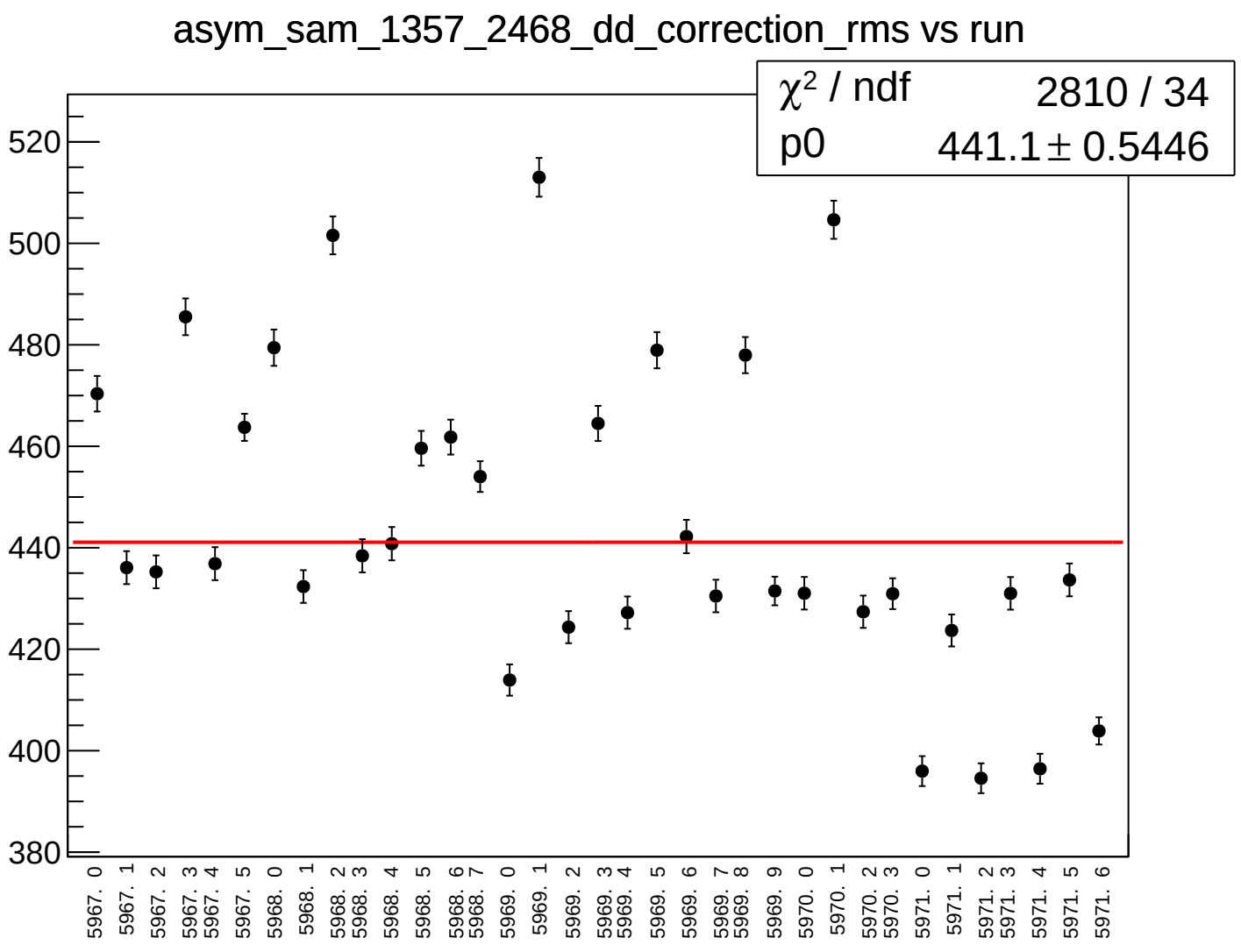

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 28.06 / 34
p0 −16.7 ± 48.63
1000
500
0
−500
−1000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −81.36
Std Dev 100.8
2
1
0
−1
−2

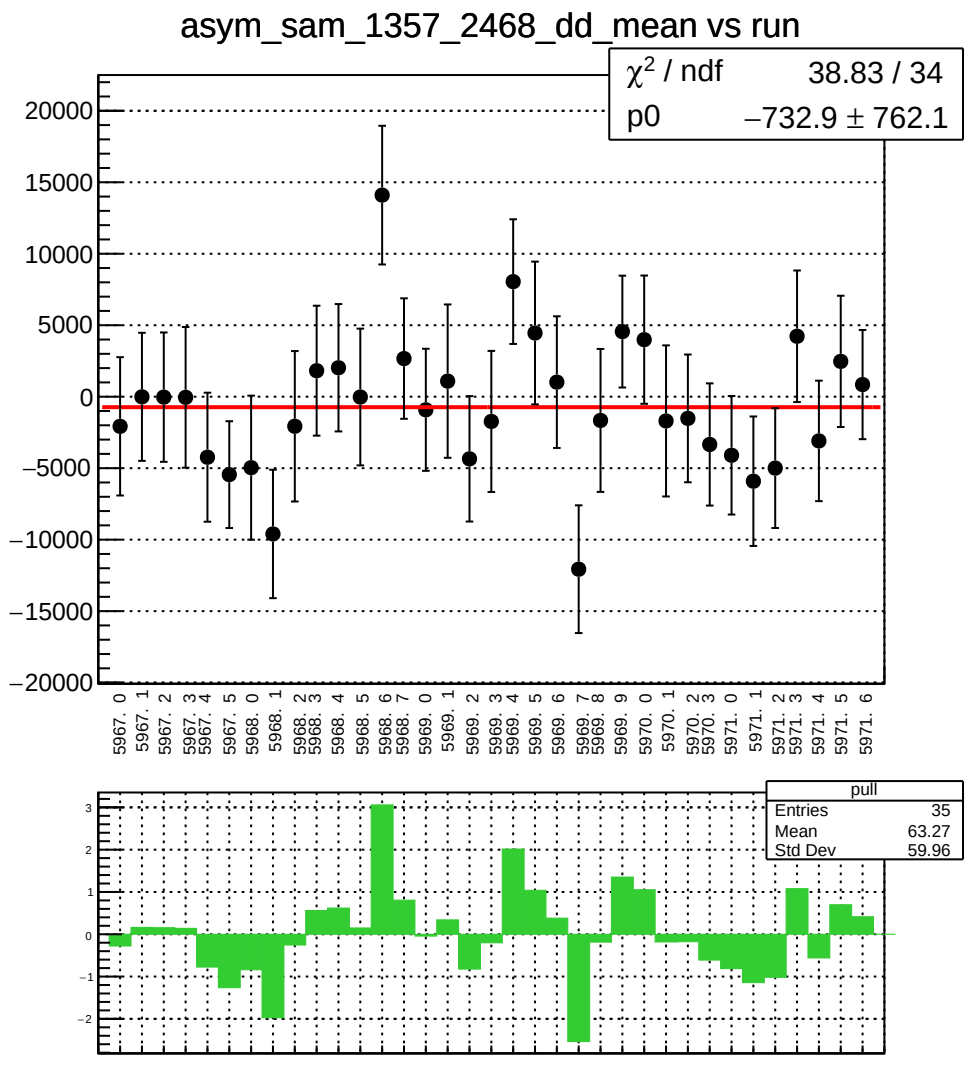

pull1D
Entries 35
Mean −0.03346
Std Dev 0.8947
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

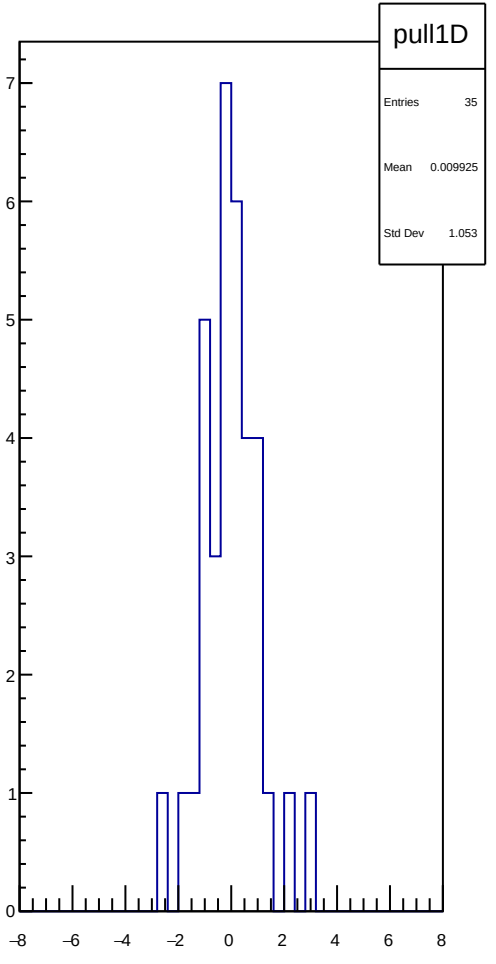

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5565 / 34
p0 27.79 ± 0.03438
40
38
36
34
32
30
28
26
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

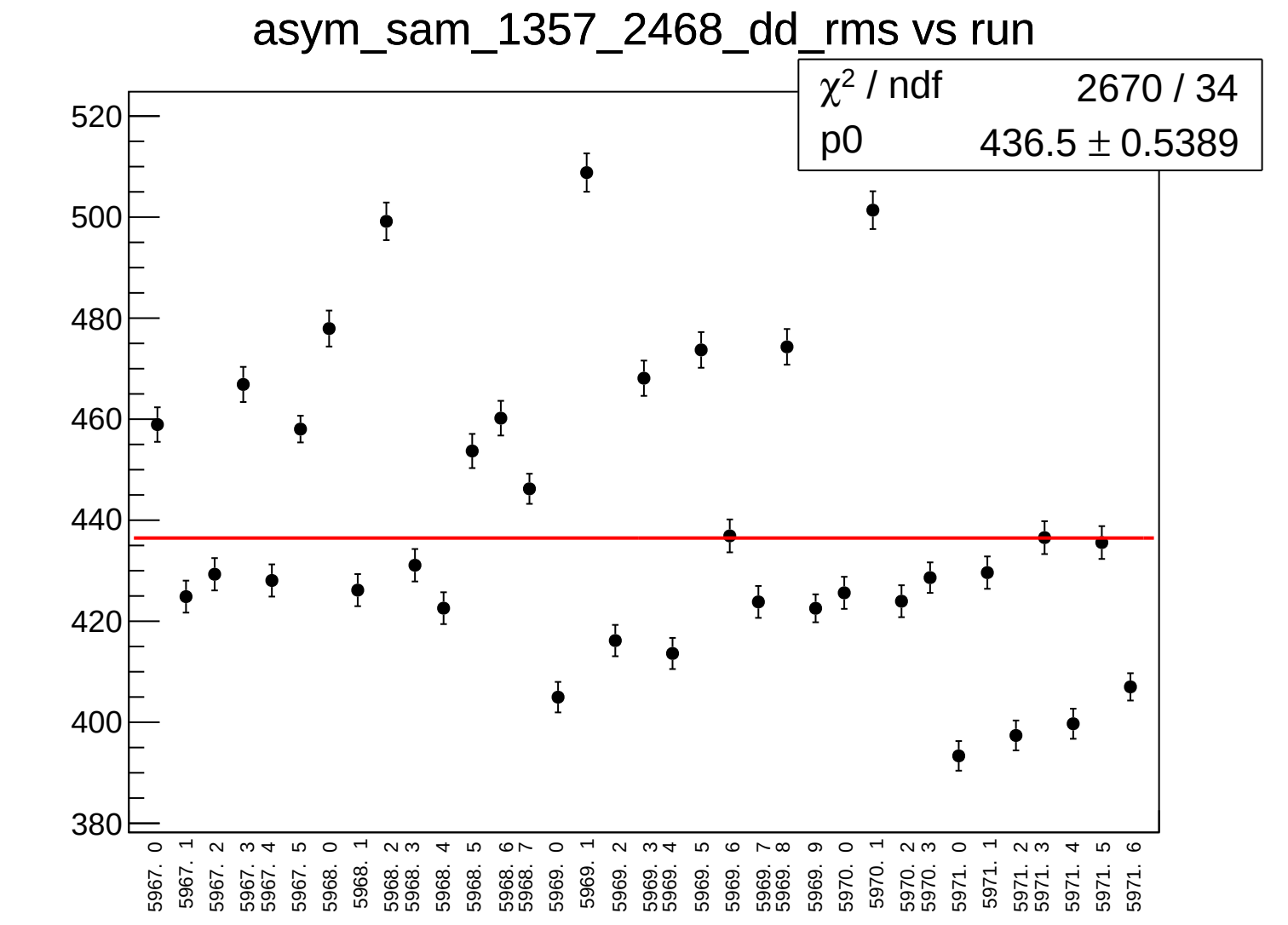

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 37.51 / 34
p0 723 ± 770.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 37.7
Std Dev 37.89
2
1
0
−1
−2
−3

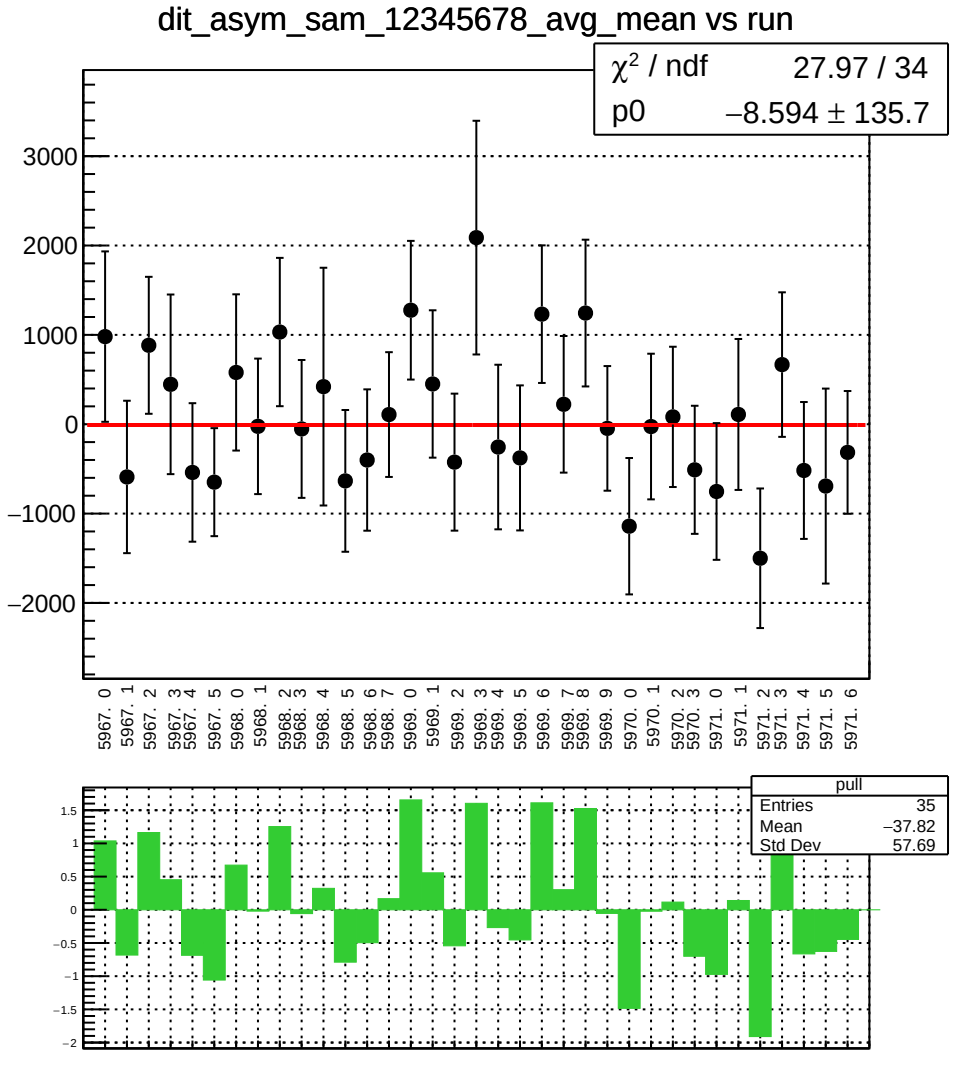

pull1D
Entries 35
Mean −0.01381
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

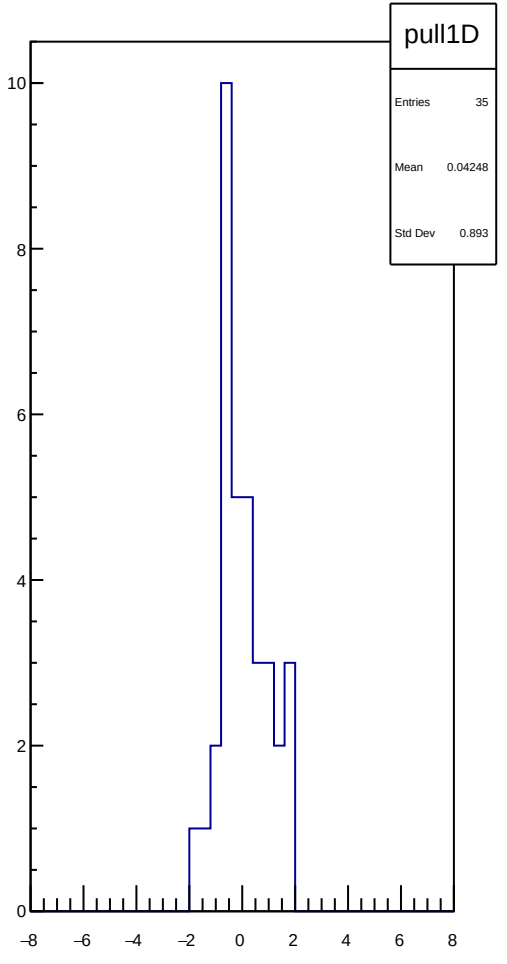

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2810 / 34
p0 441.1 ± 0.5446
520
500
480
460
440
420
400
380
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

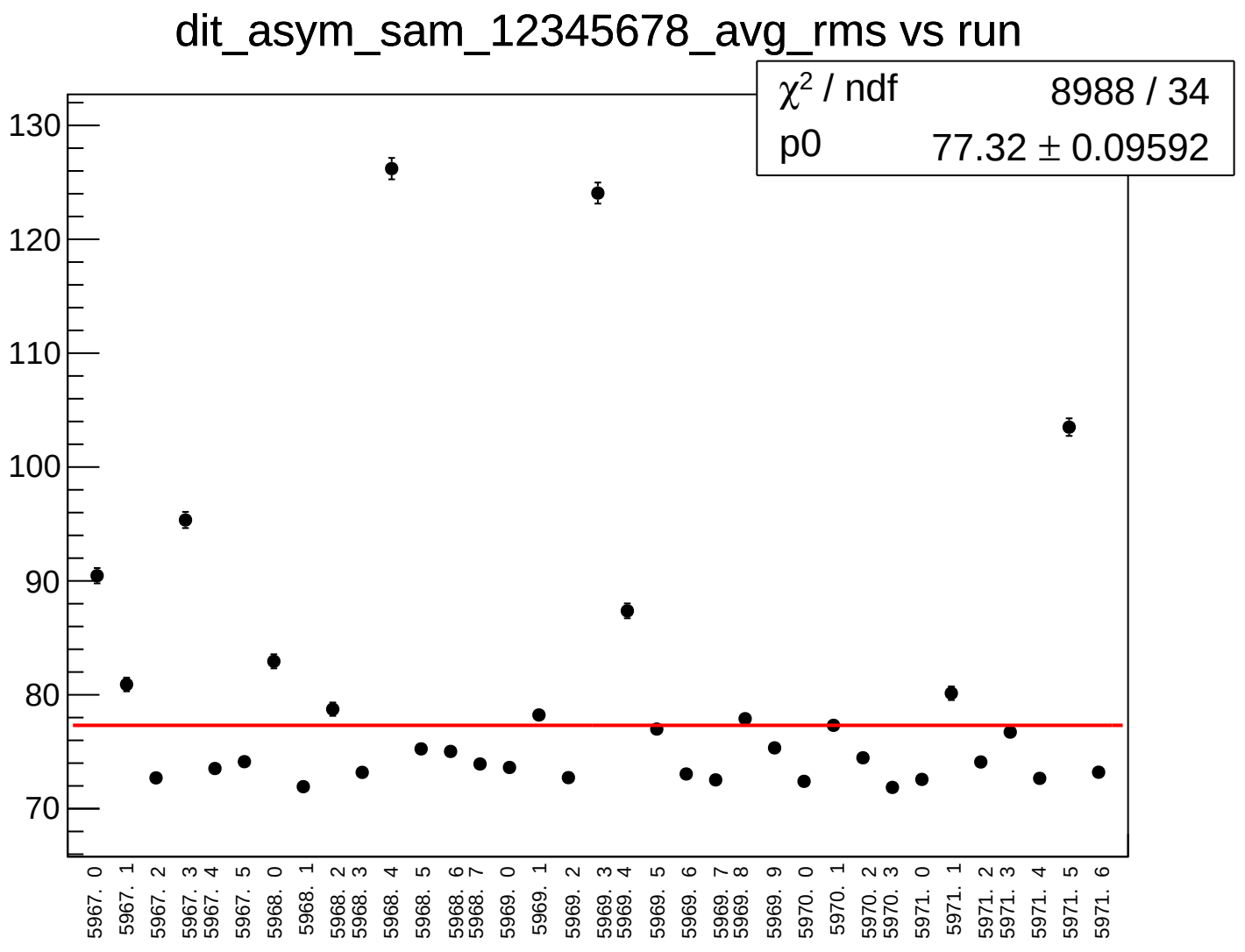

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 38.83 / 34
p0 −732.9 ± 762.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 63.27
Std Dev 59.96
3
2
1
0
−1
−2

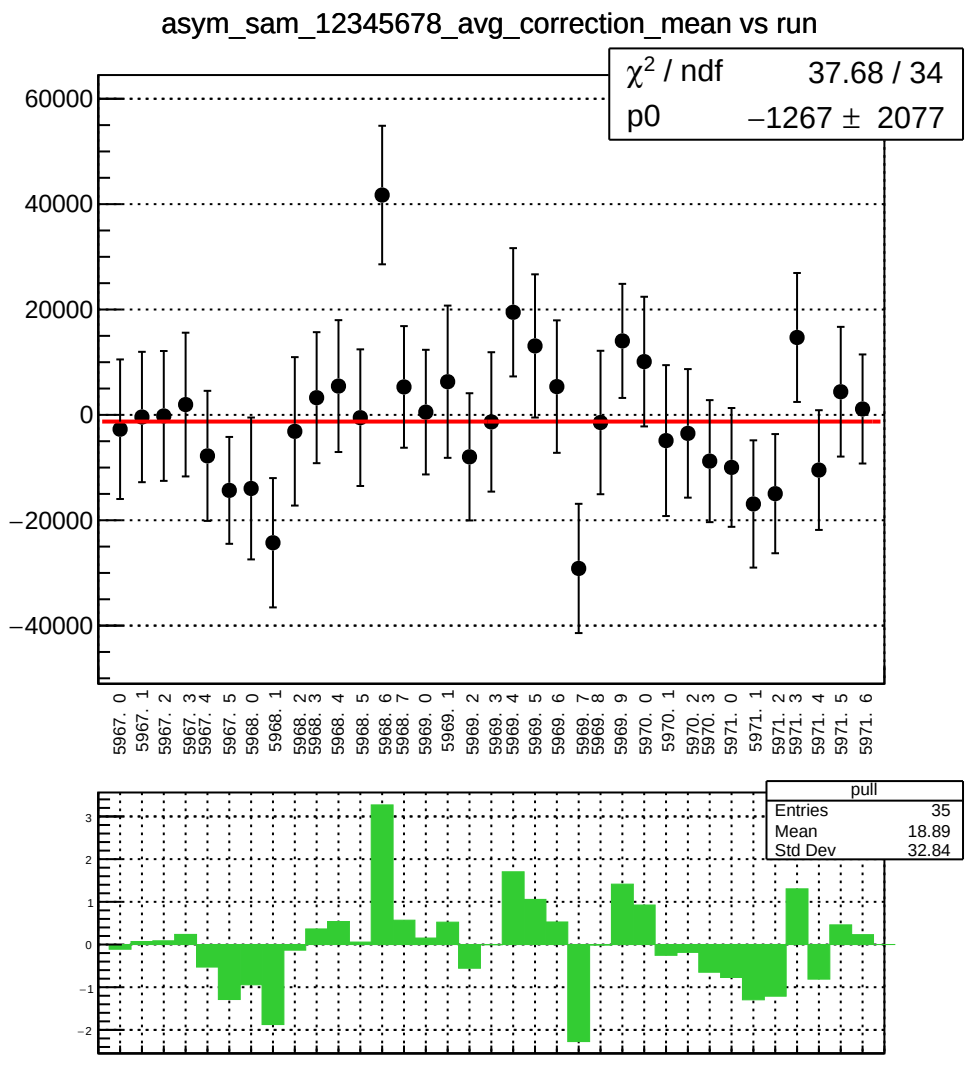

pull1D
Entries 35
Mean 0.009925
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

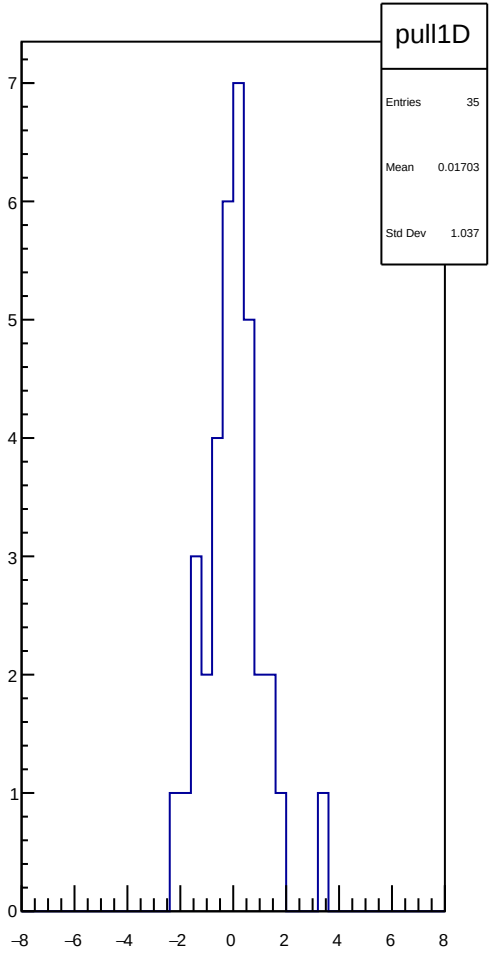

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2670 / 34
p0 436.5 ± 0.5389
520
500
480
460
440
420
400
380
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

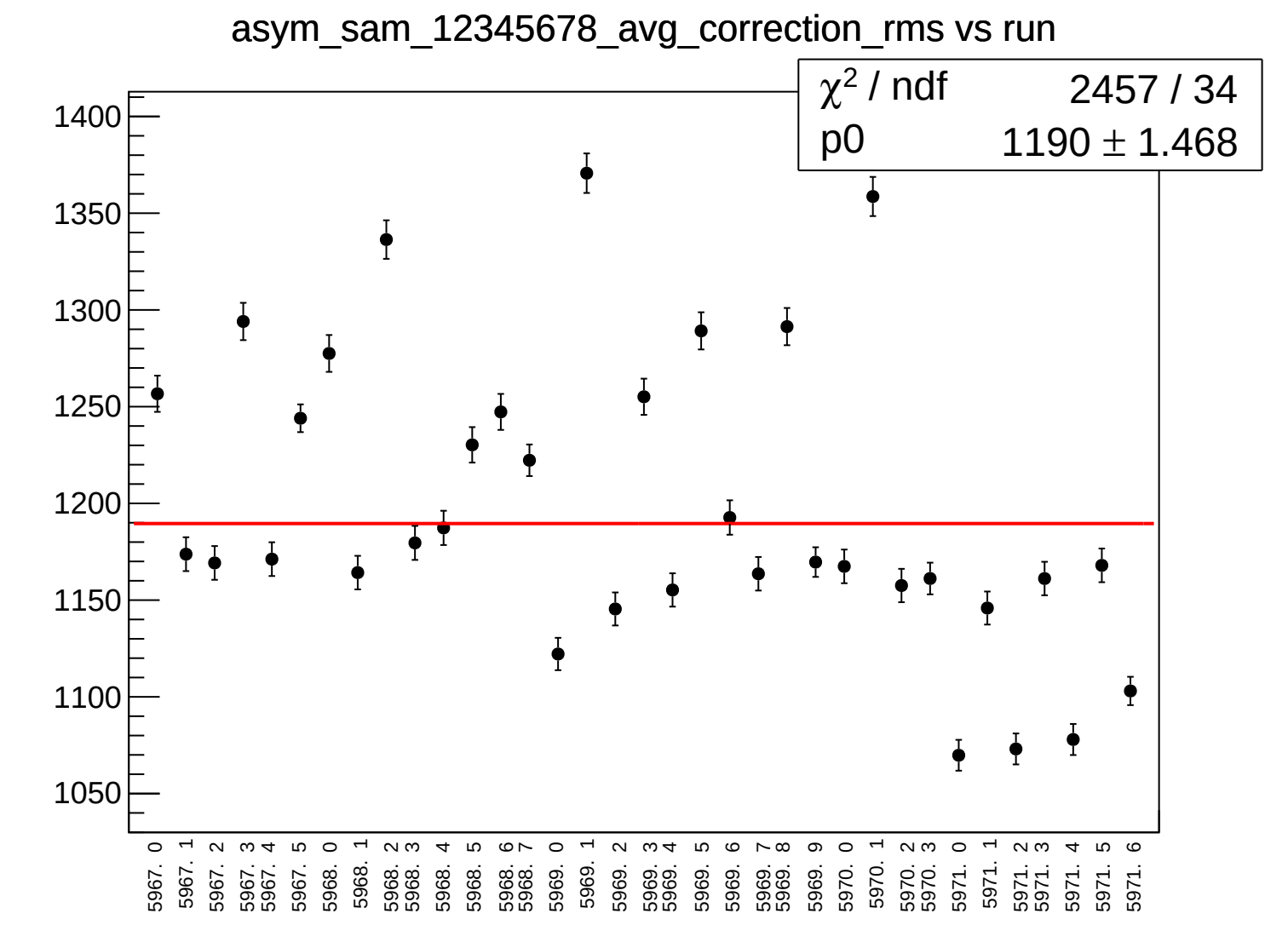

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 27.97 / 34
p0 −8.594 ± 135.7
3000
2000
1000
0
−1000
−2000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −37.82
Std Dev 57.69
1.5
1
0.5
0
−0.5
−1
−1.5
−2

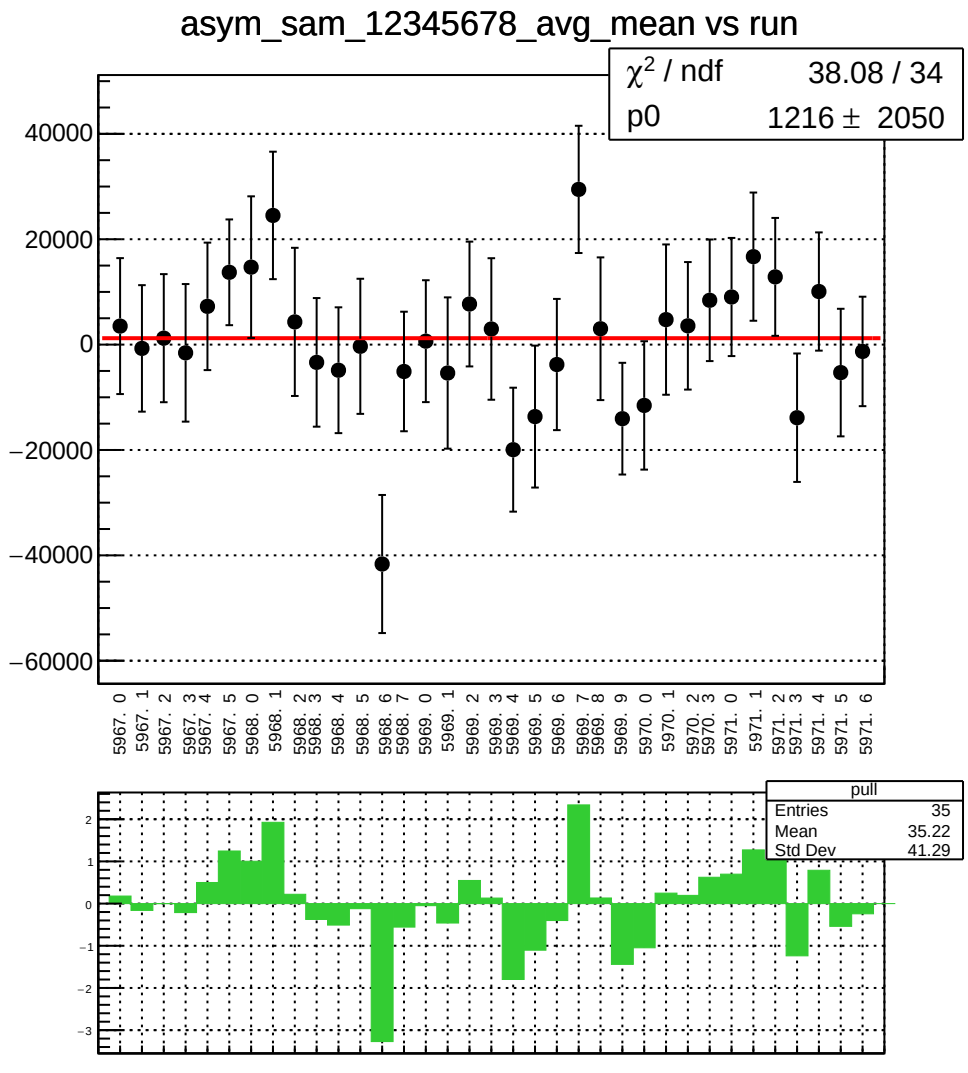

pull1D
Entries 35
Mean 0.04248
Std Dev 0.893
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

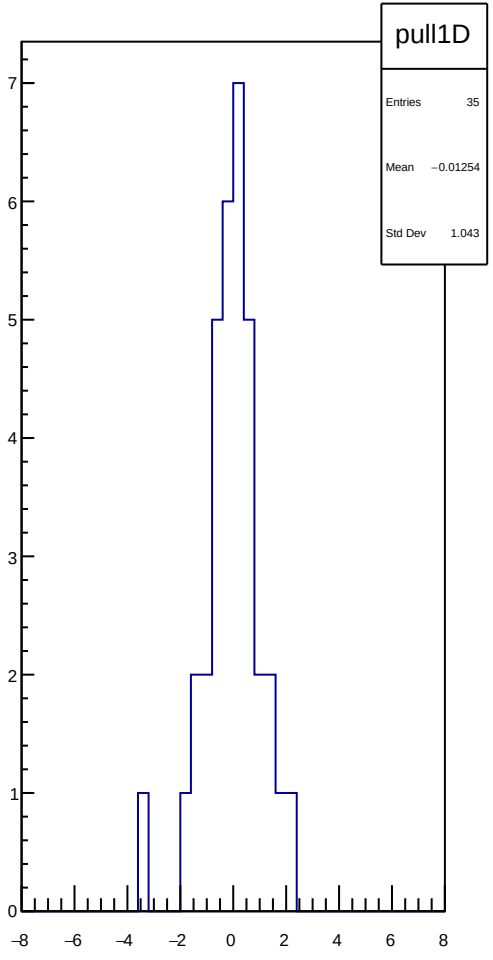

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 8988 / 34
p0 77.32 ± 0.09592
130
120
110
100
90
80
70
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

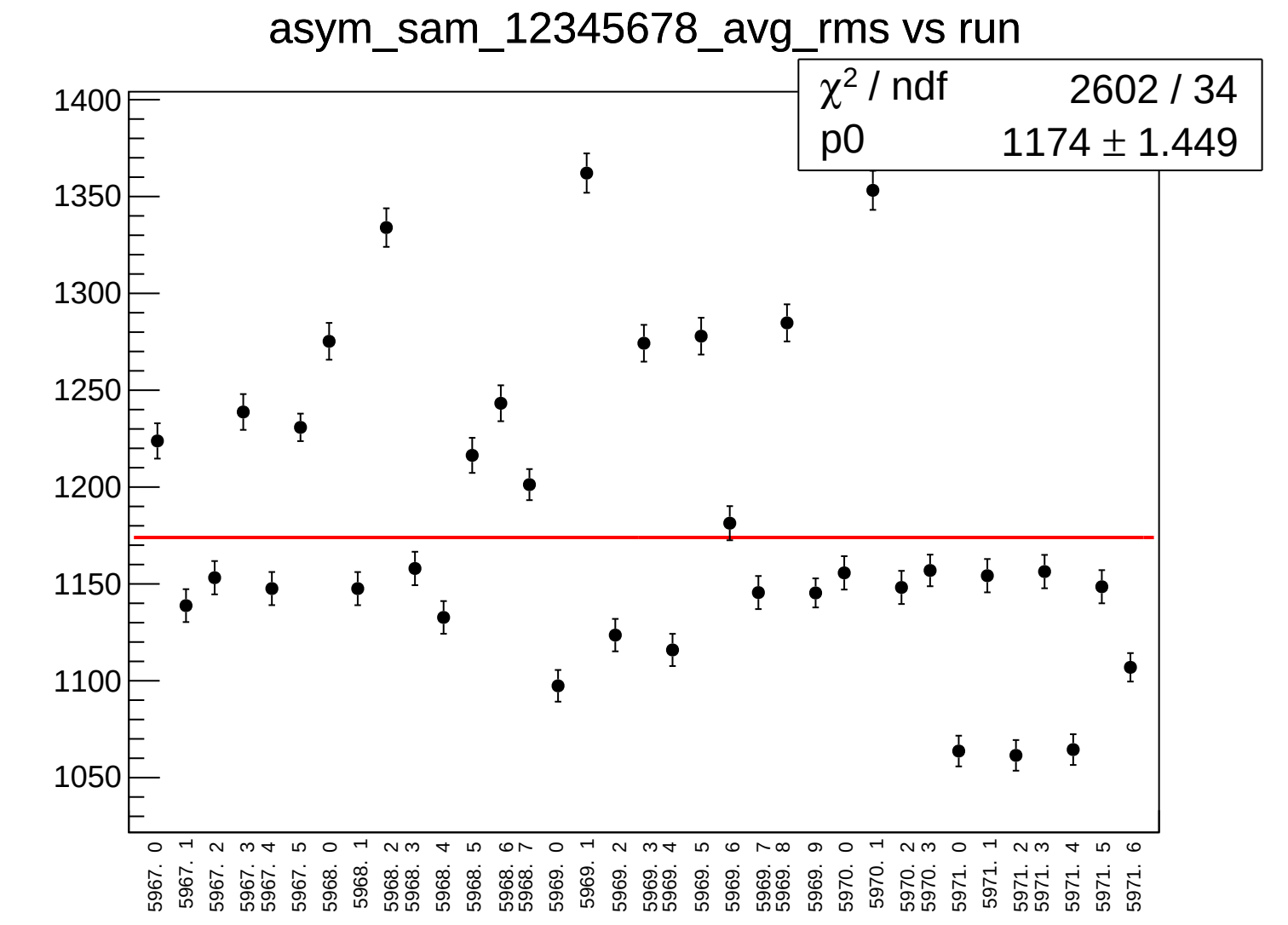

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 37.68 / 34
p0 −1267 ± 2077
60000
40000
20000
0
−20000
−40000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 18.89
Std Dev 32.84
3
2
1
0
−1
−2

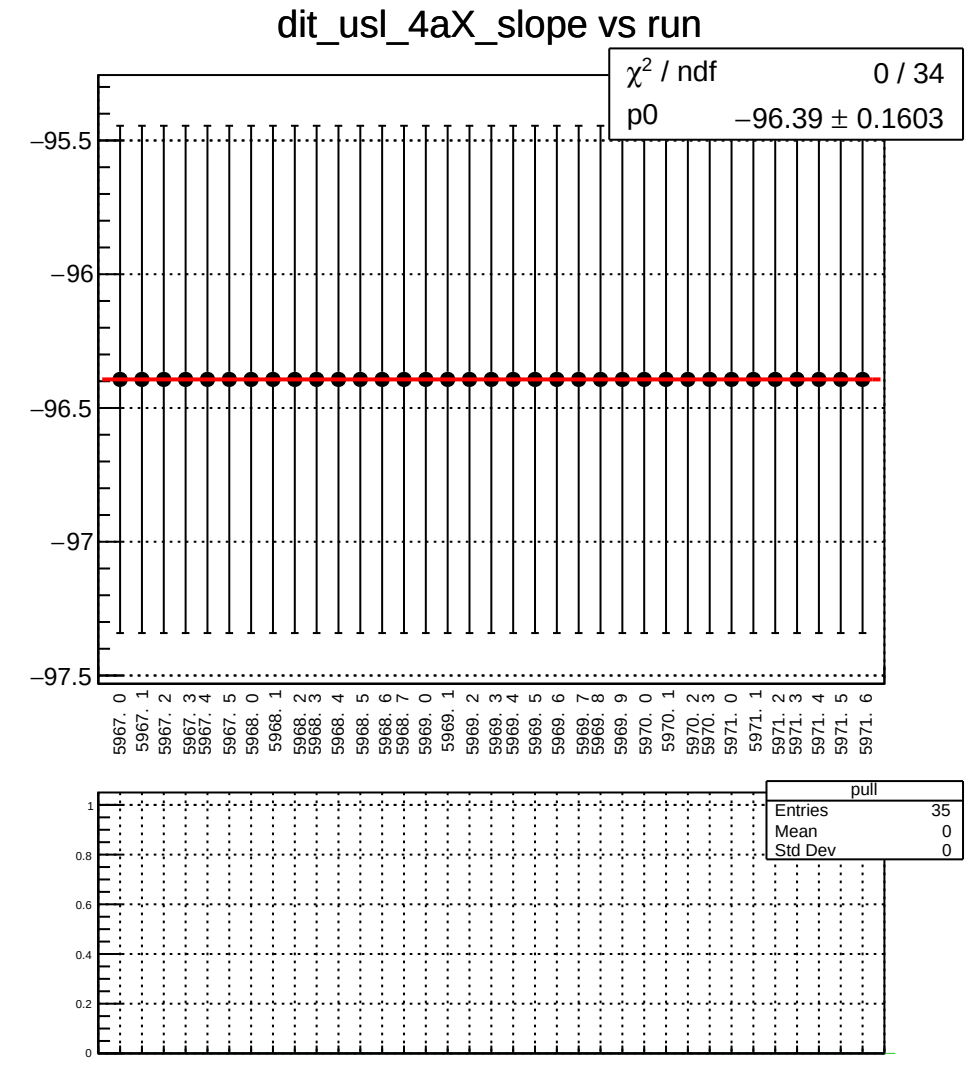

pull1D
Entries 35
Mean 0.01703
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

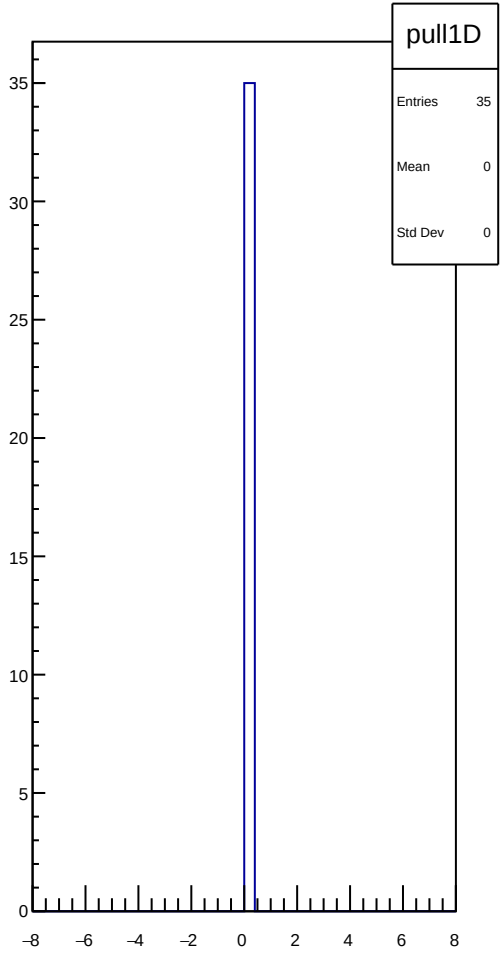

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2457 / 34
p0 1190 ± 1.468
1400
1350
1300
1250
1200
1150
1100
1050
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

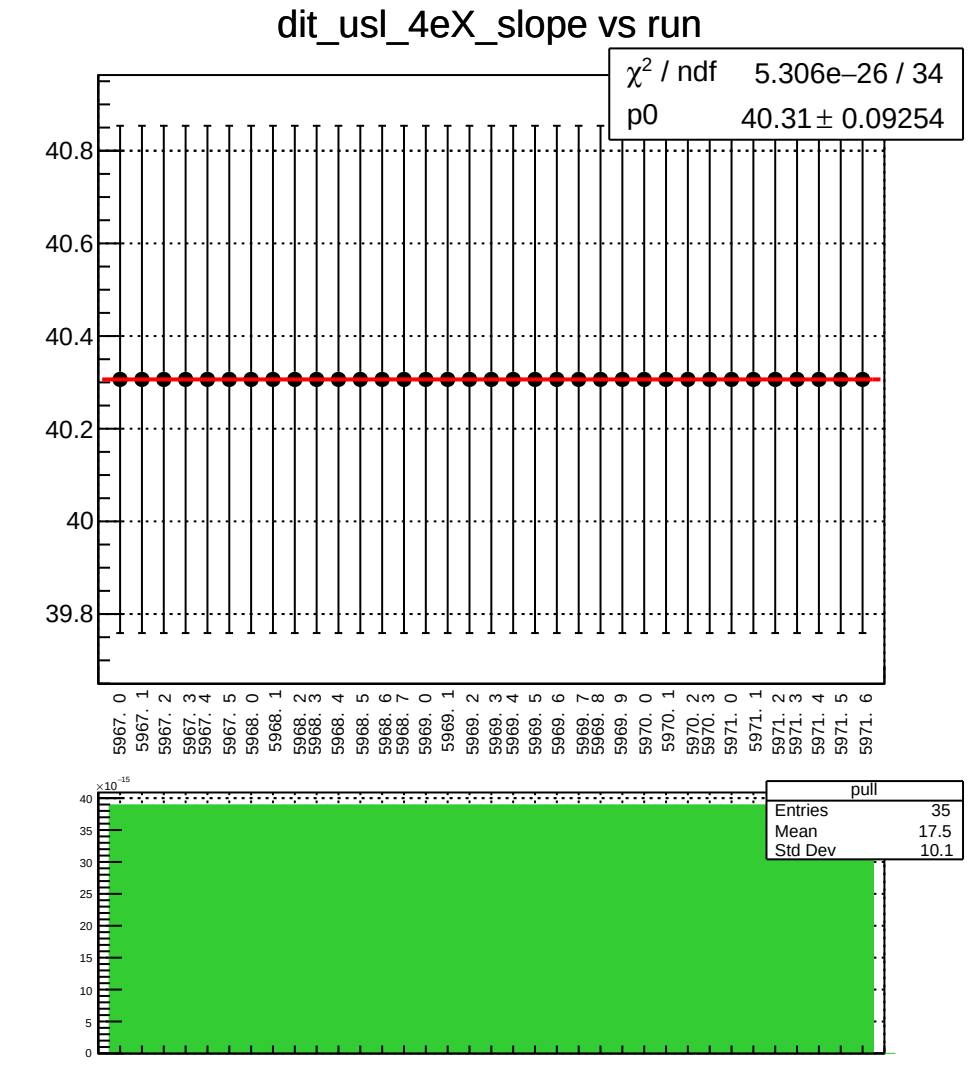

asym_sam_12345678_avg_mean vs run
χ² / ndf 38.08 / 34
p0 1216 ± 2050
40000
20000
0
−20000
−40000
−60000
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 35.22
Std Dev 41.29
2
1
0
−1
−2
−3

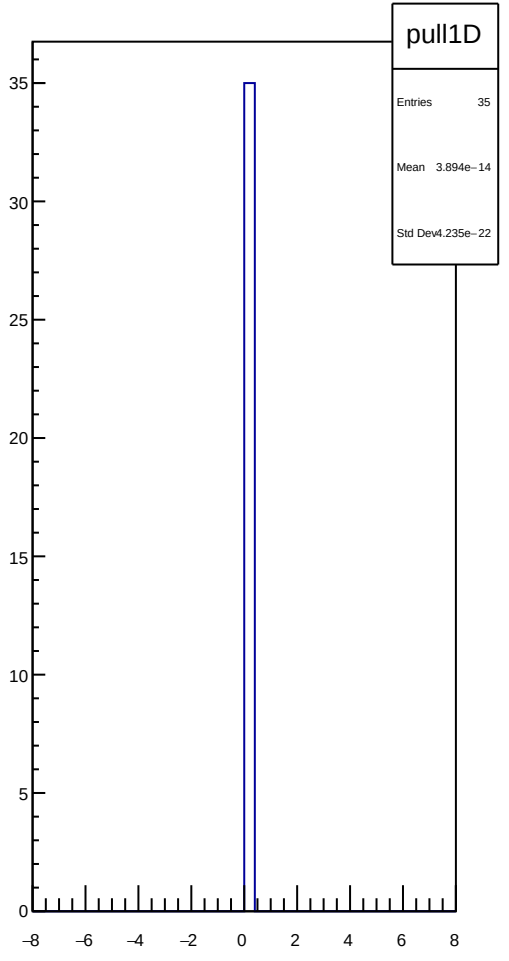

pull1D
Entries 35
Mean −0.01254
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

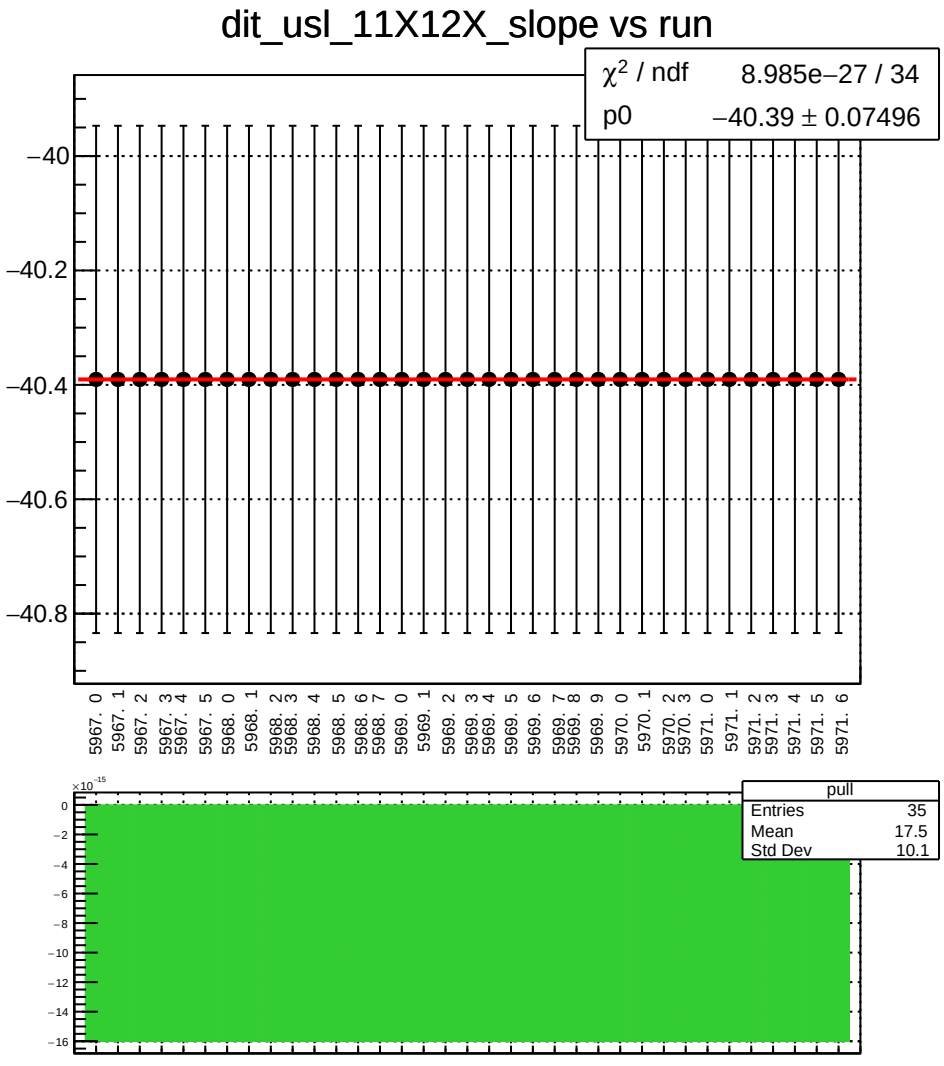

asym_sam_12345678_avg_rms vs run
χ² / ndf 2602 / 34
p0 1174 ± 1.449
1400
1350
1300
1250
1200
1150
1100
1050
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6

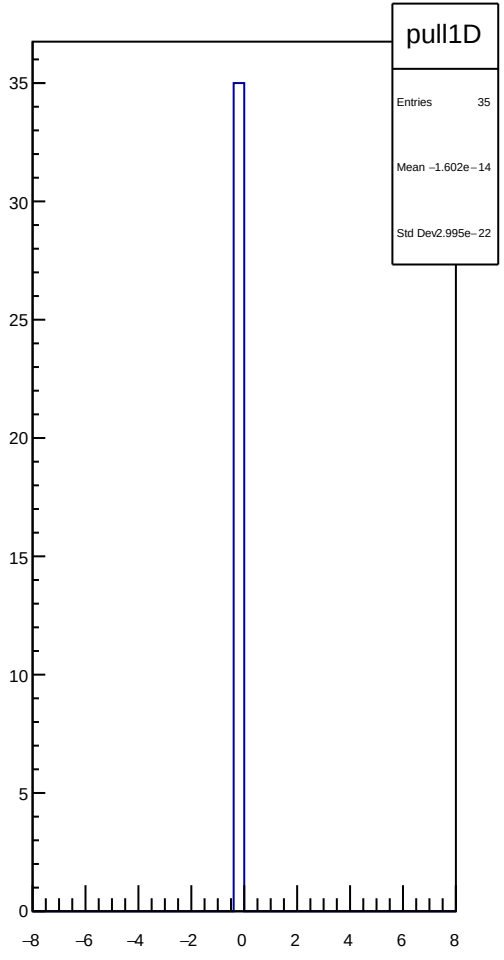

dit_usl_4aX_slope vs run
χ² / ndf 0 / 34
p0 −96.39 ± 0.1603
−95.5
−96
−96.5
−97
−97.5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

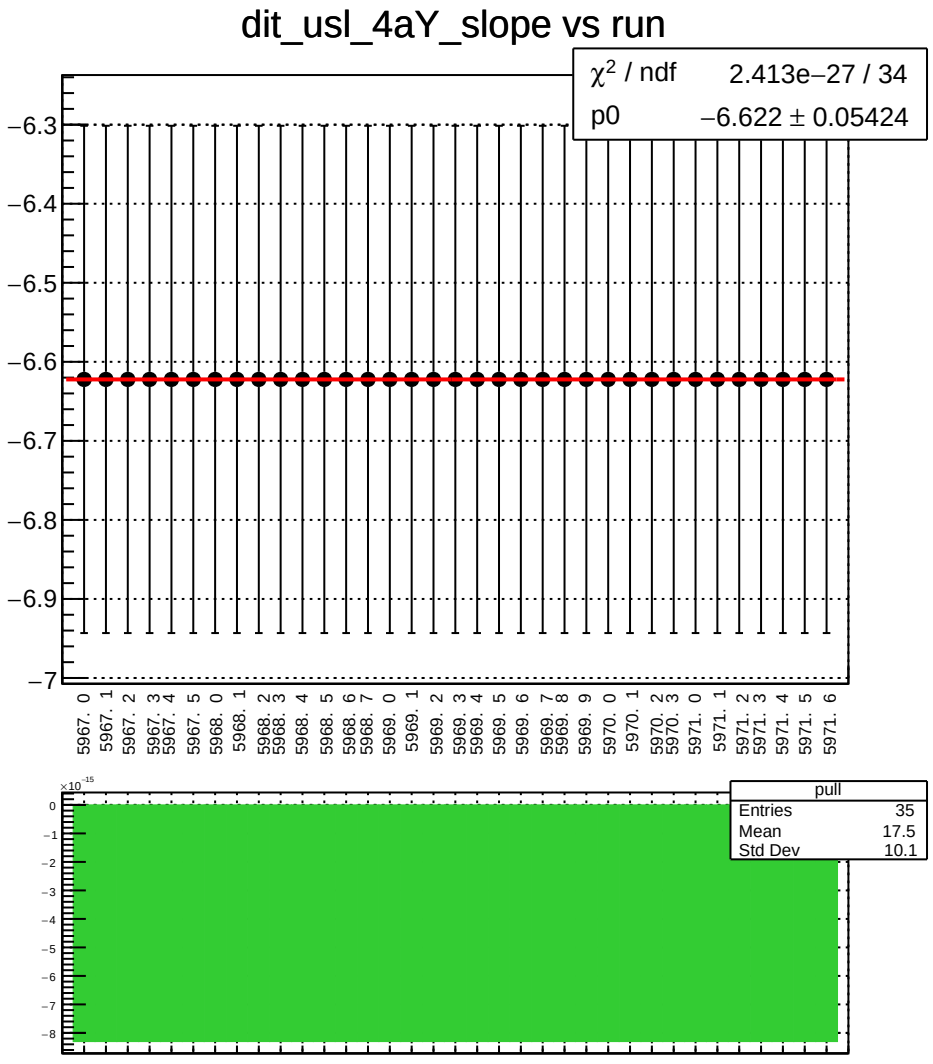

pull1D
Entries 35
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

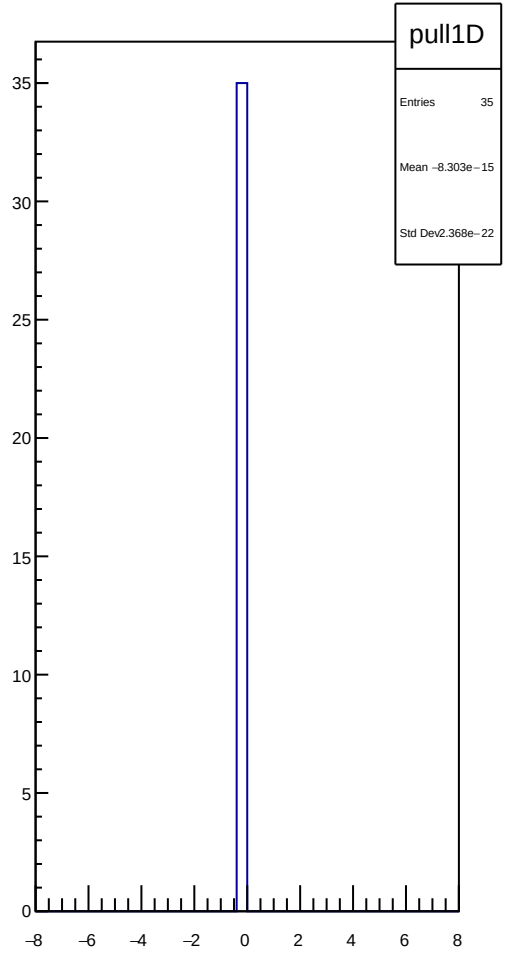

dit_usl_4eX_slope vs run
χ² / ndf 5.306e−26 / 34
p0 40.31 ± 0.09254
40.8
40.6
40.4
40.2
40
39.8
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

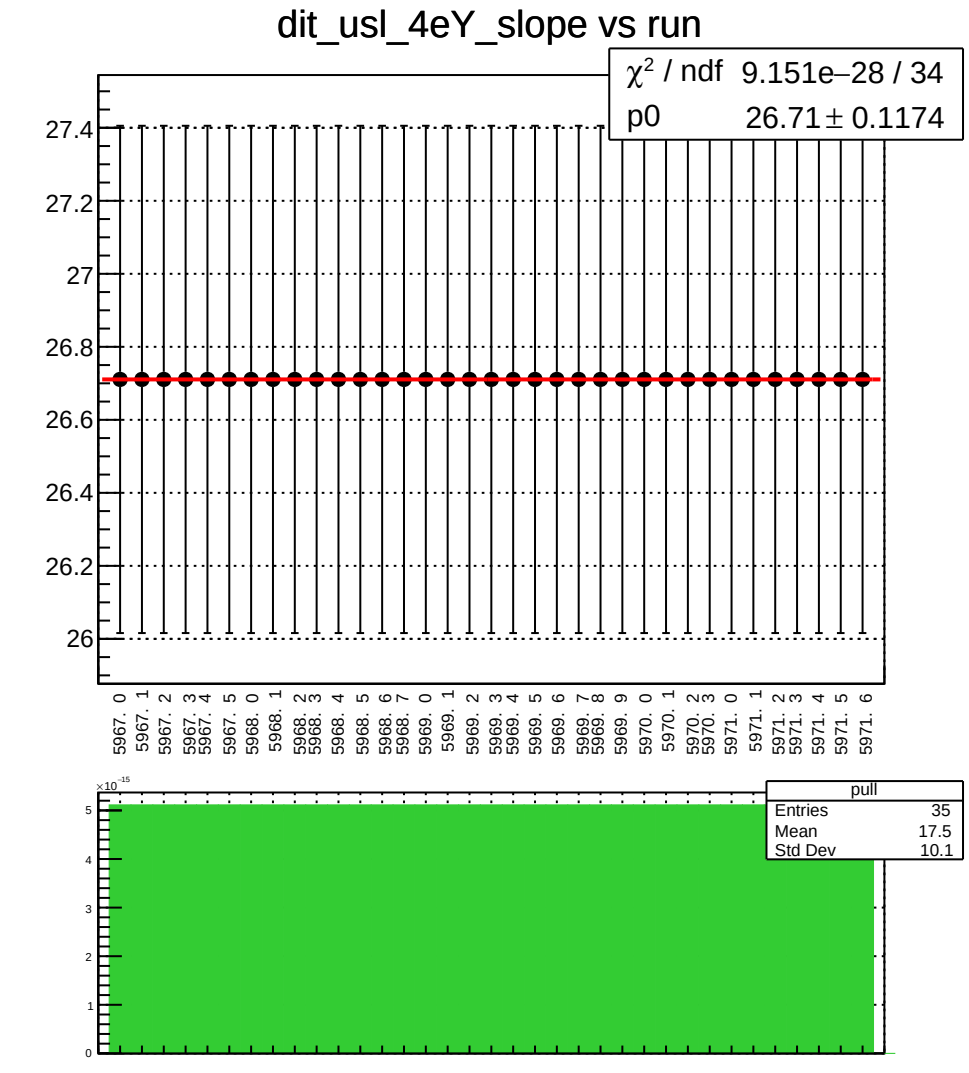

pull1D
Entries 35
Mean 3.894e−14
Std Dev4.235e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

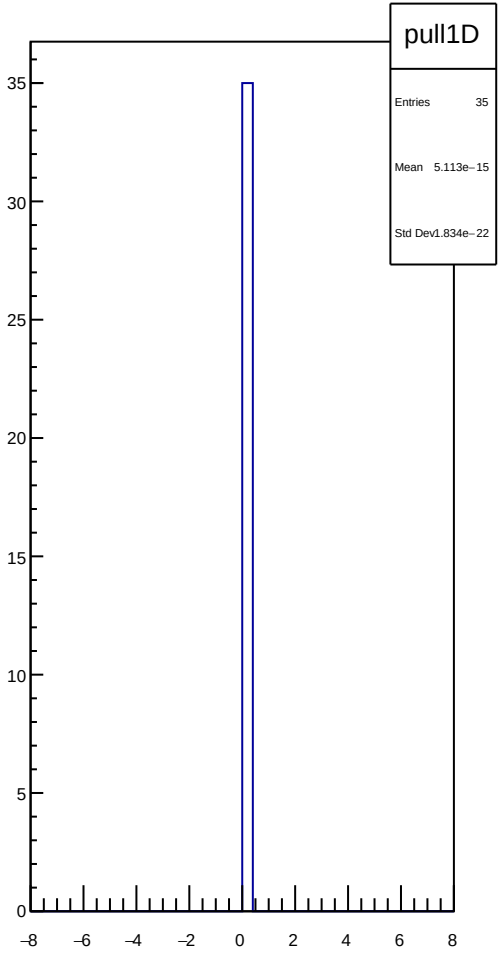

dit_usl_11X12X_slope vs run
χ² / ndf 8.985e−27 / 34
p0 −40.39 ± 0.07496
−40
−40.2
−40.4
−40.6
−40.8
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 35
Mean 17.5
Std Dev 10.1

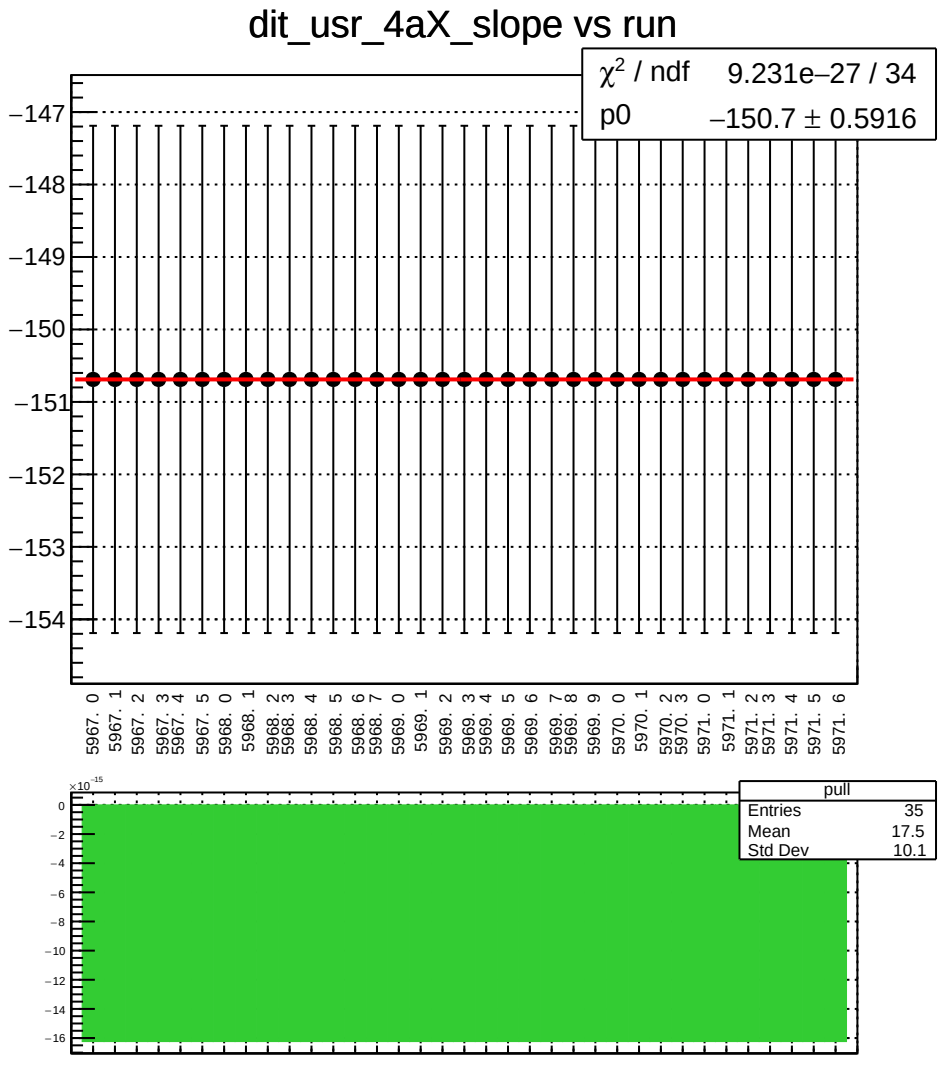

pull1D
Entries 35
Mean −1.602e−14
Std Dev 2.995e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

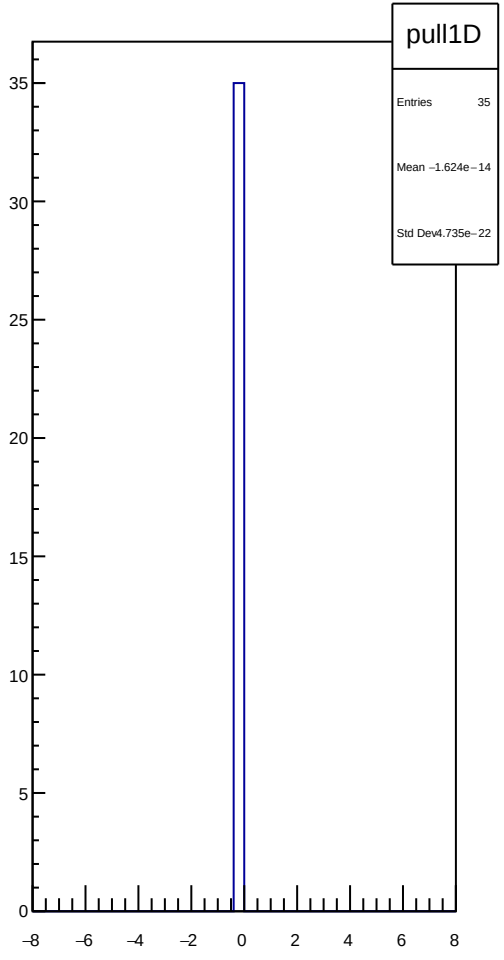

dit_usl_4aY_slope vs run
χ² / ndf 2.413e−27 / 34
p0 −6.622 ± 0.05424
−6.3
−6.4
−6.5
−6.6
−6.7
−6.8
−6.9
−7
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 35
Mean 17.5
Std Dev 10.1

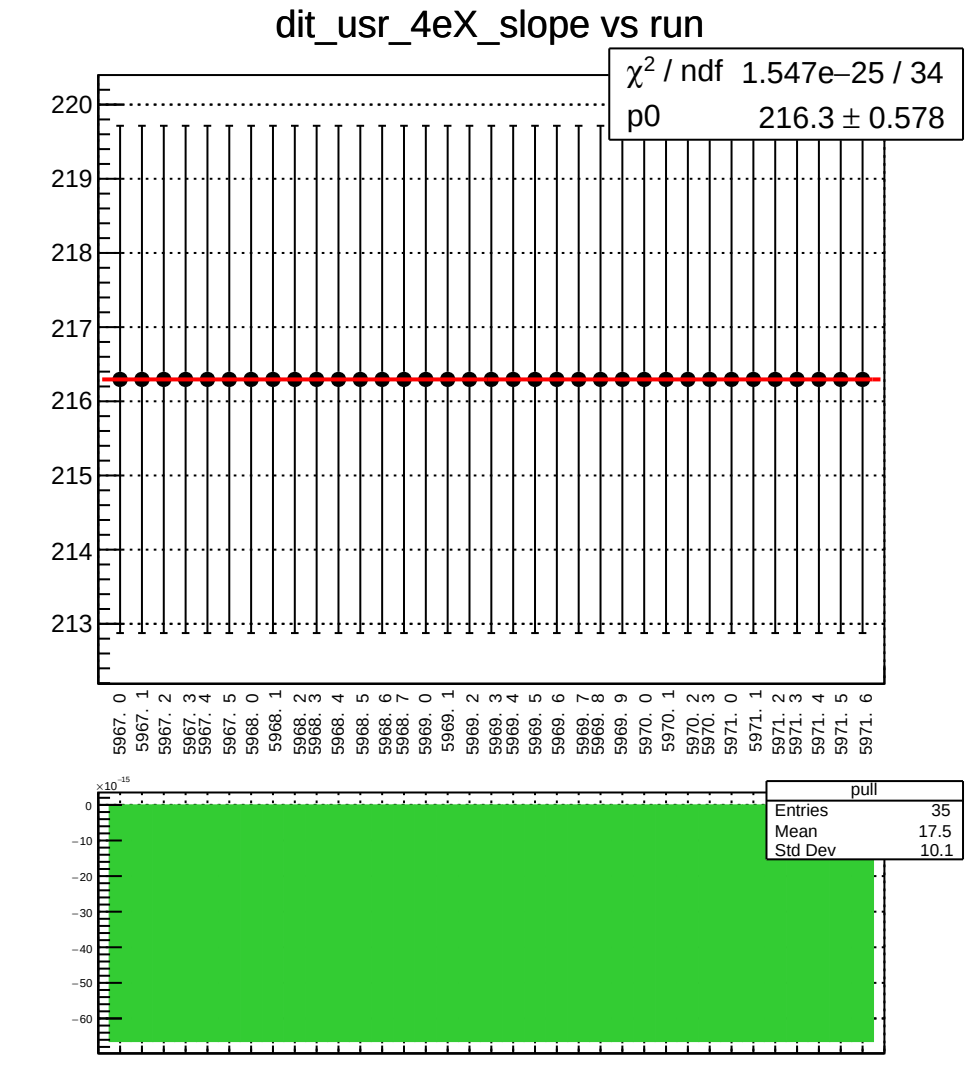

pull1D
Entries 35
Mean −8.303e−15
Std Dev 2.368e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

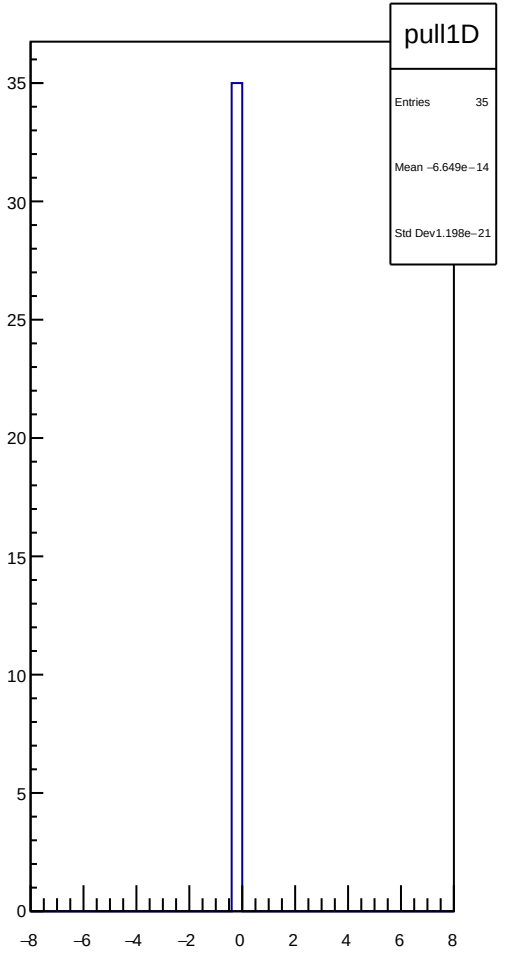

dit_usl_4eY_slope vs run
χ² / ndf 9.151e−28 / 34
p0 26.71 ± 0.1174
27.4
27.2
27
26.8
26.6
26.4
26.2
26
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

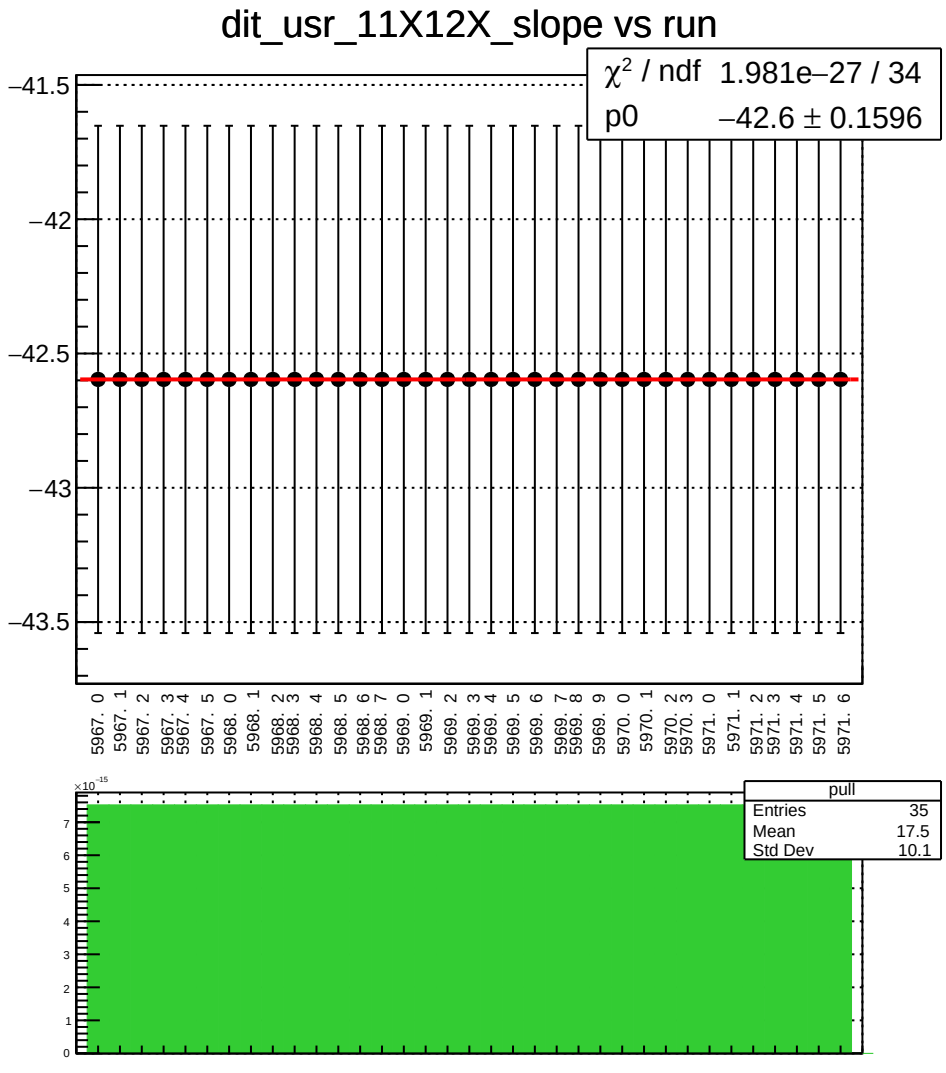

pull1D
Entries 35
Mean 5.113e−15
Std Dev1.834e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

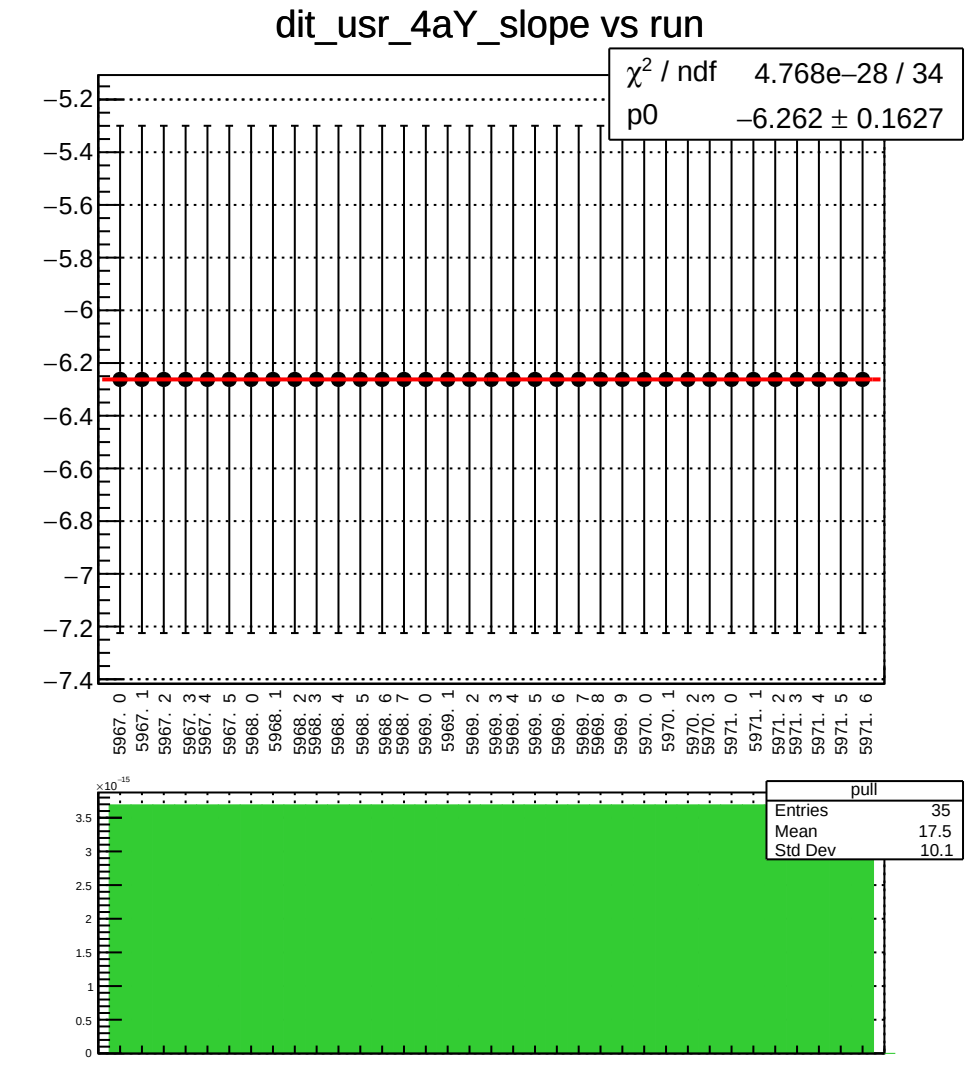

dit_usr_4aX_slope vs run
χ² / ndf 9.231e−27 / 34
p0 −150.7 ± 0.5916
−147
−148
−149
−150
−151
−152
−153
−154
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 35
Mean 17.5
Std Dev 10.1

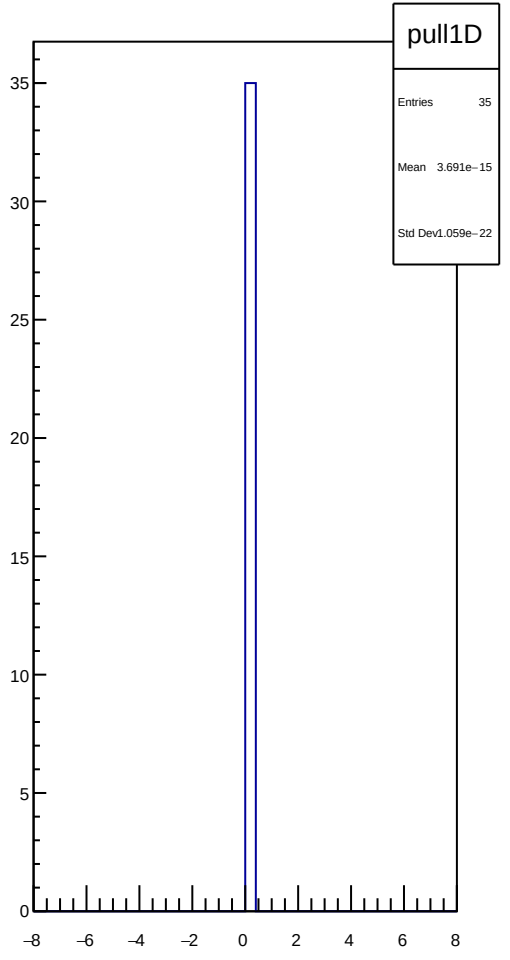

pull1D
Entries 35
Mean −1.624e−14
Std Dev4.735e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

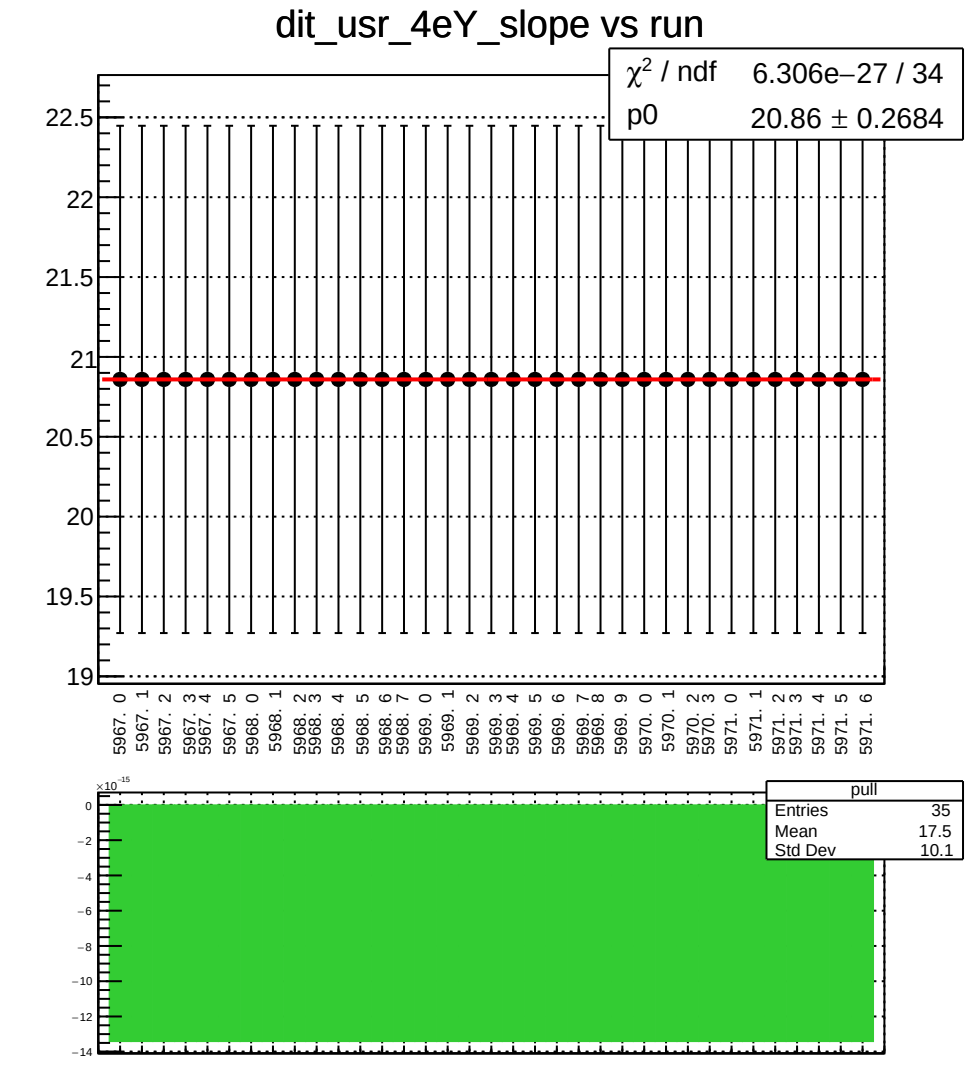

dit_usr_4eX_slope vs run
χ² / ndf 1.547e−25 / 34
p0 216.3 ± 0.578
220
219
218
217
216
215
214
213
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull
Entries 35
Mean 17.5
Std Dev 10.1

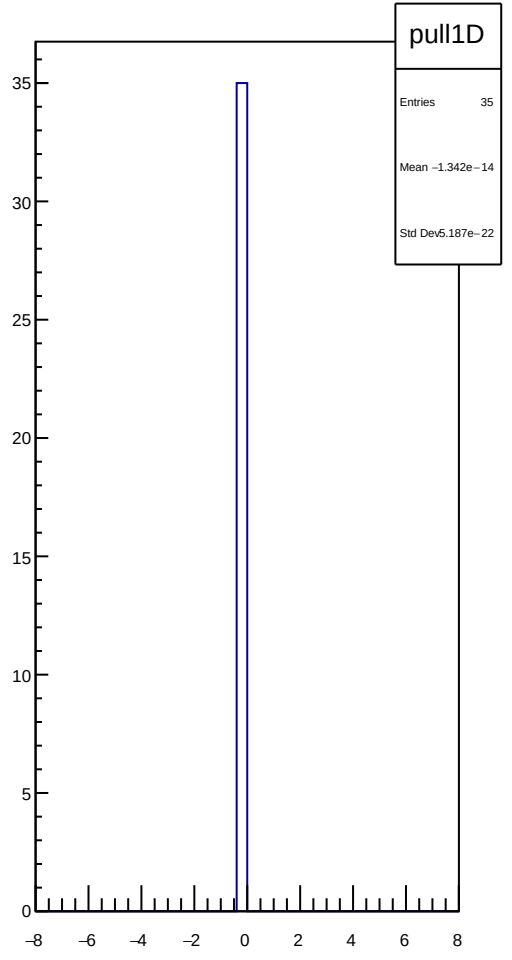

pull1D
Entries 35
Mean −6.649e−14
Std Dev1.198e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

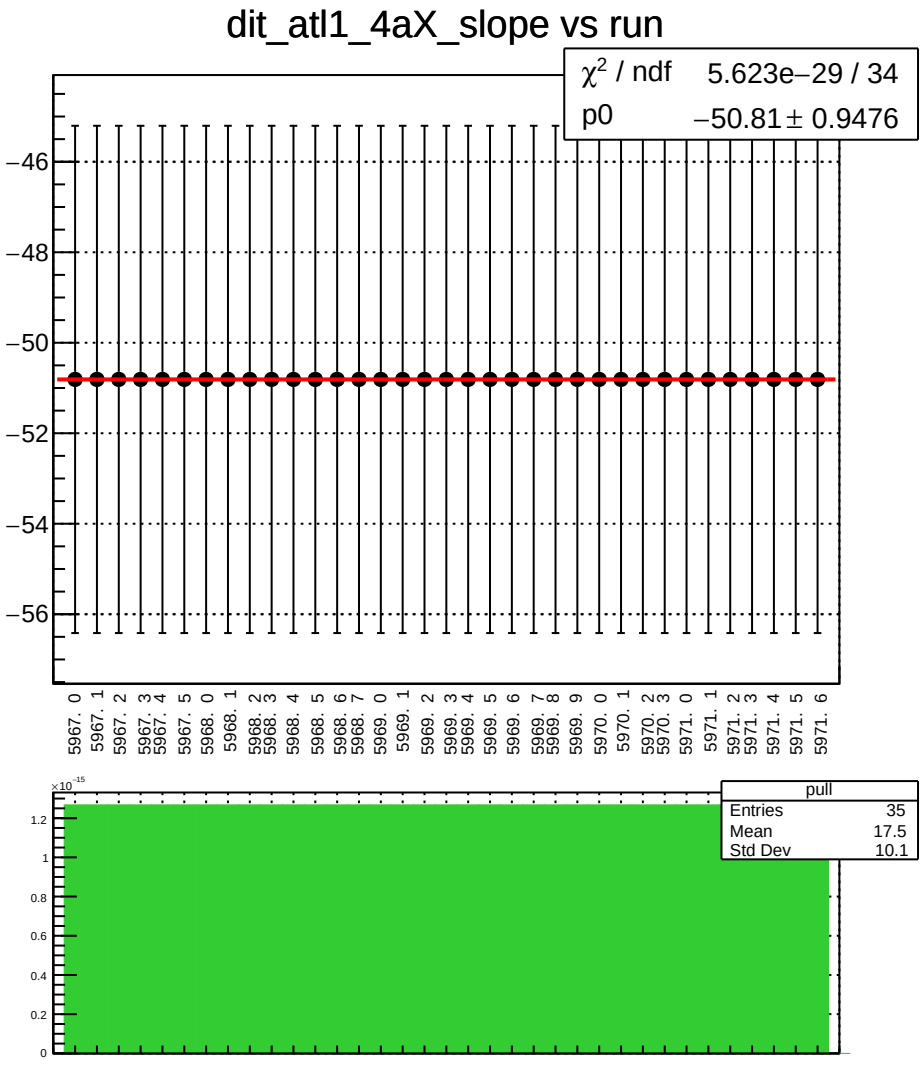

dit_usr_11X12X_slope vs run
χ² / ndf 1.981e−27 / 34
p0 −42.6 ± 0.1596
−41.5
−42
−42.5
−43
−43.5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 7.524e−15
Std Dev1.497e−22

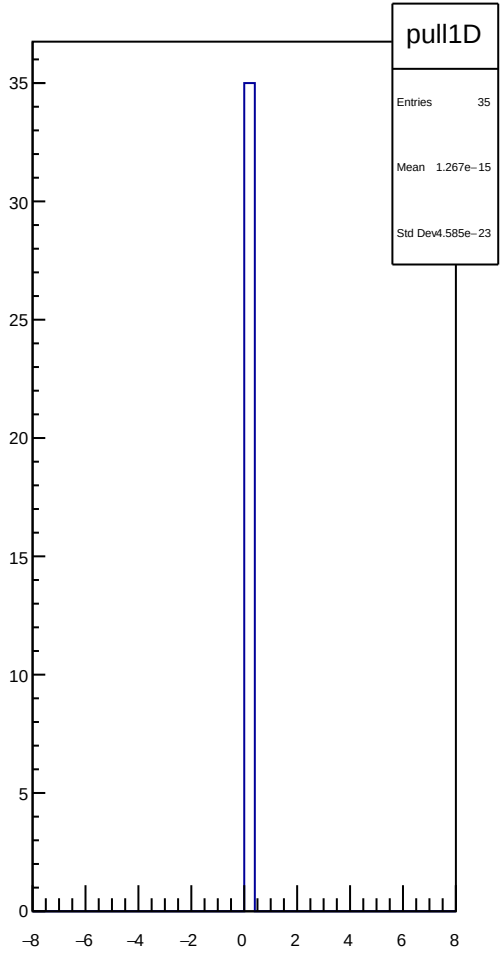

dit_usr_4aY_slope vs run
χ² / ndf 4.768e−28 / 34
p0 −6.262 ± 0.1627
−5.2
−5.4
−5.6
−5.8
−6
−6.2
−6.4
−6.6
−6.8
−7
−7.2
−7.4
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

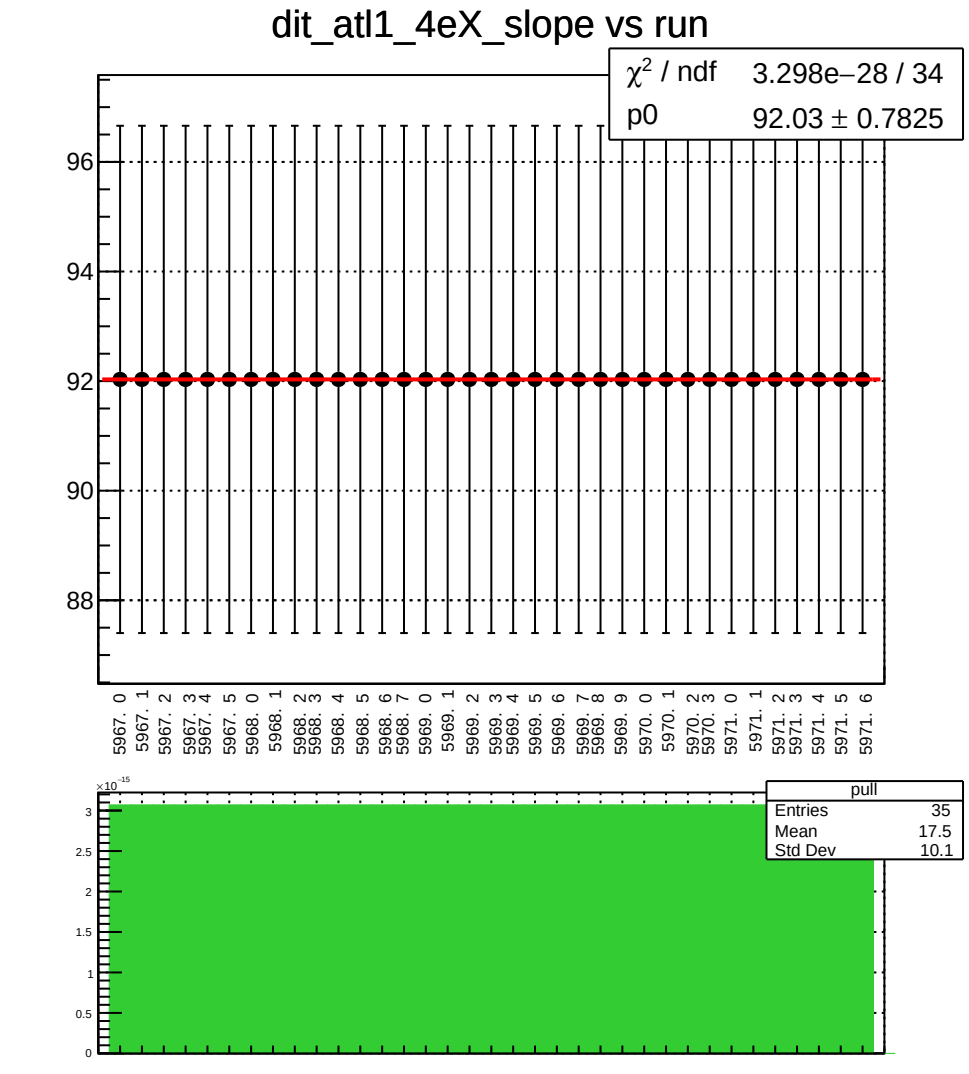

pull1D
Entries 35
Mean 3.691e−15
Std Dev1.059e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

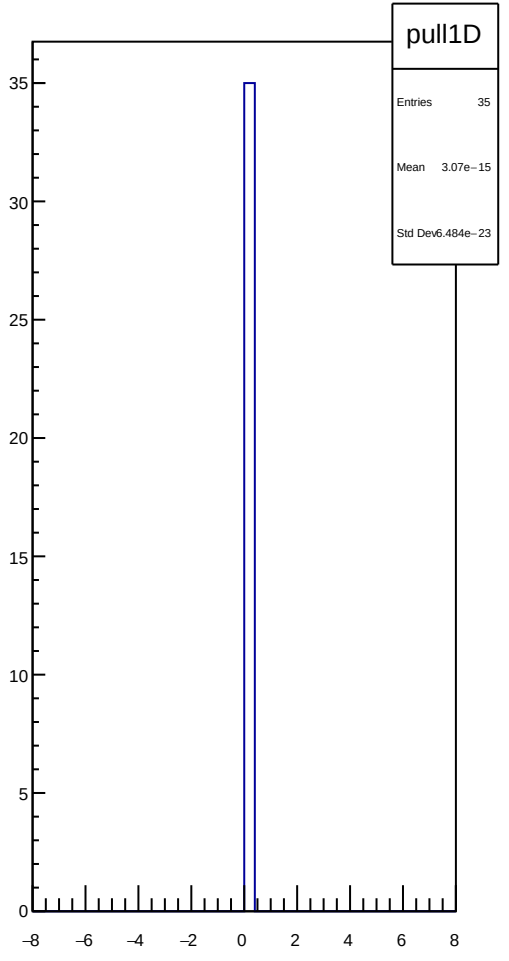

dit_usr_4eY_slope vs run
χ² / ndf 6.306e−27 / 34
p0 20.86 ± 0.2684
22.5
22
21.5
21
20.5
20
19.5
19
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 35
Mean 17.5
Std Dev 10.1

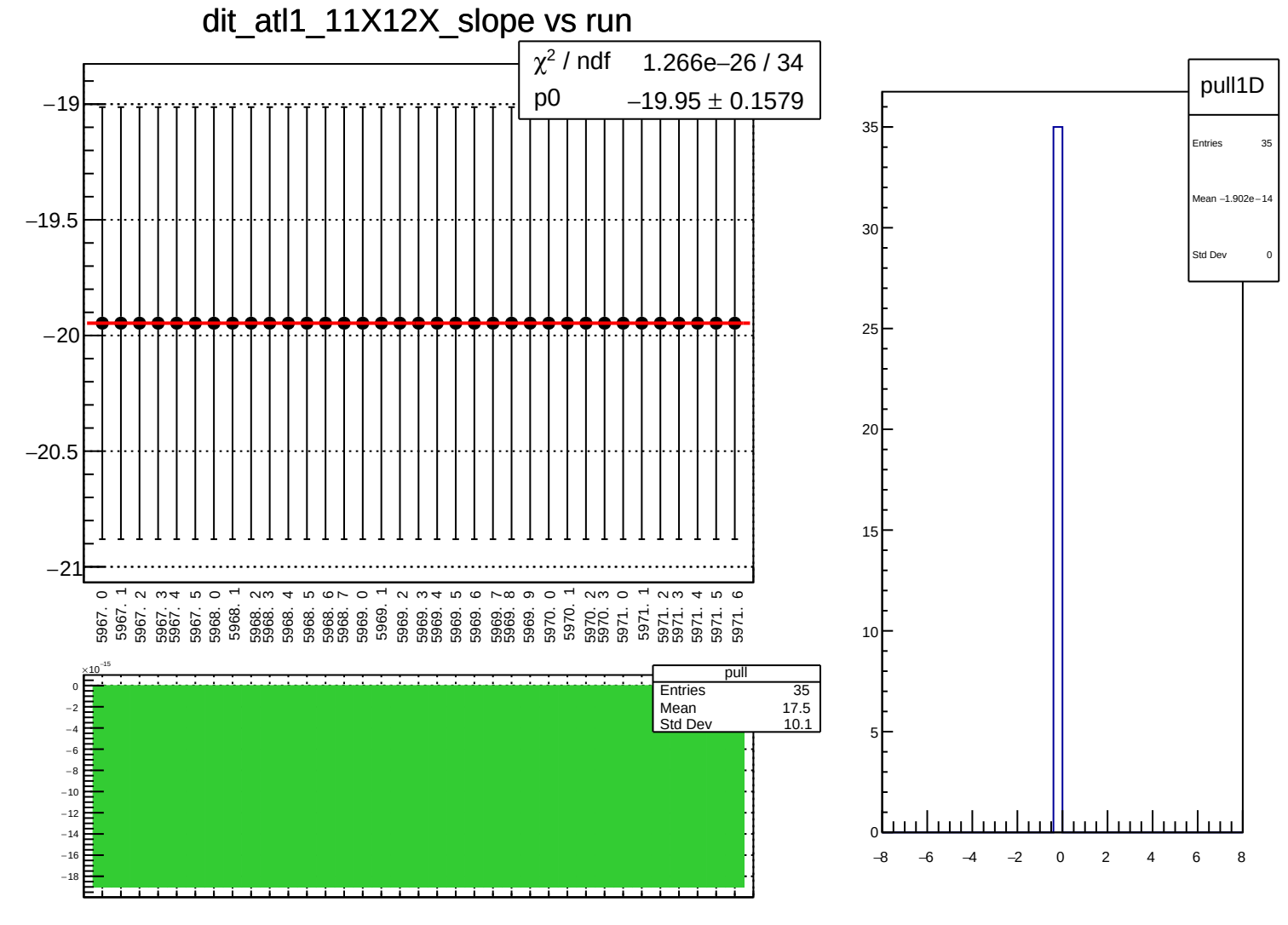

pull1D
Entries 35
Mean −1.342e−14
Std Dev5.187e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

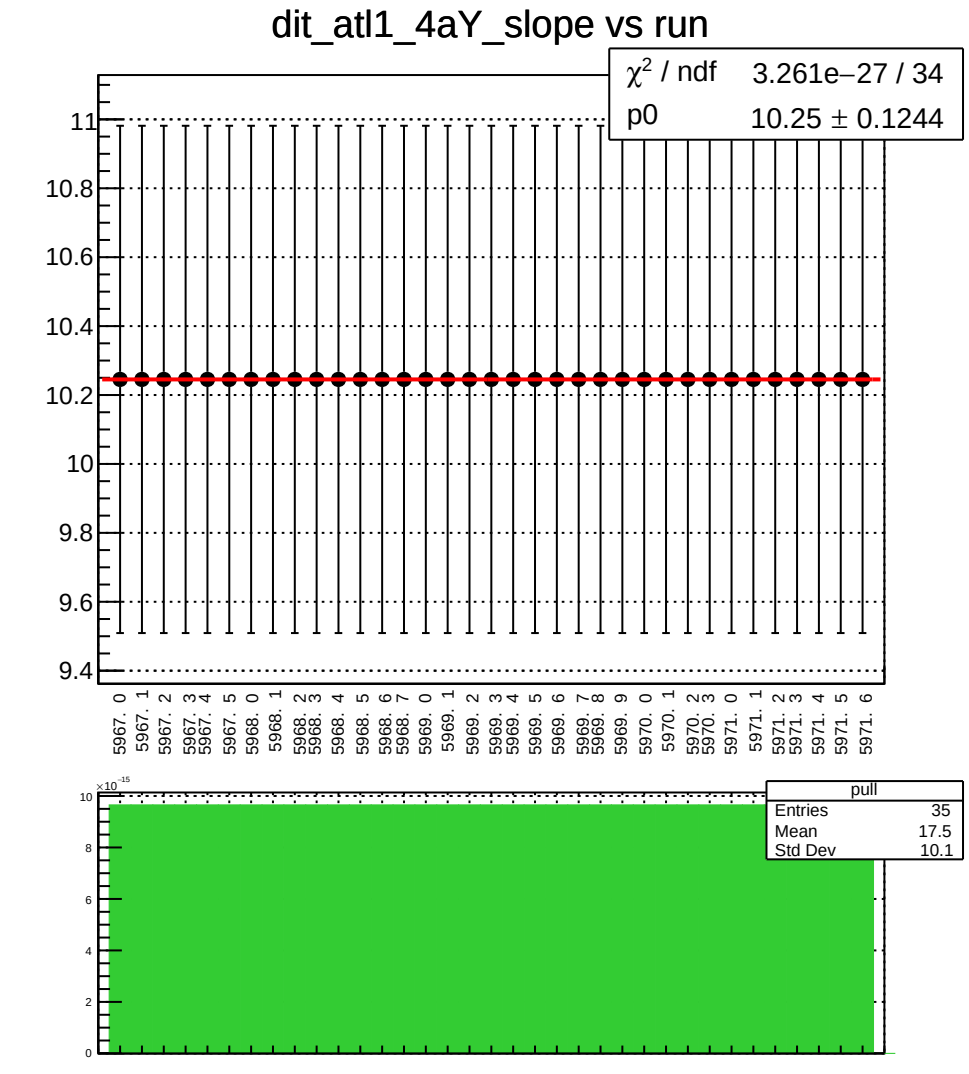

dit_atl1_4aX_slope vs run
χ² / ndf 5.623e−29 / 34
p0 −50.81 ± 0.9476
−46
−48
−50
−52
−54
−56
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻�15
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

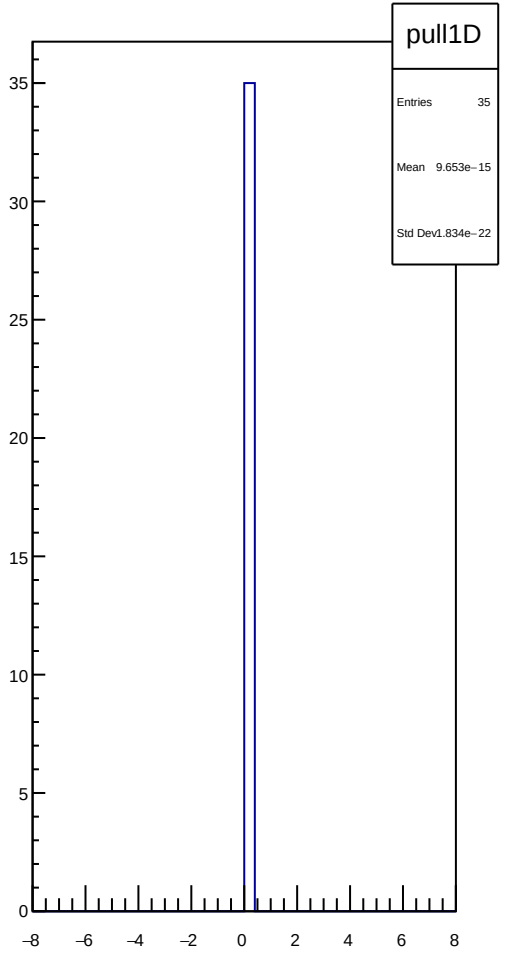

pull1D
Entries 35
Mean 1.267e−15
Std Dev 4.585e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

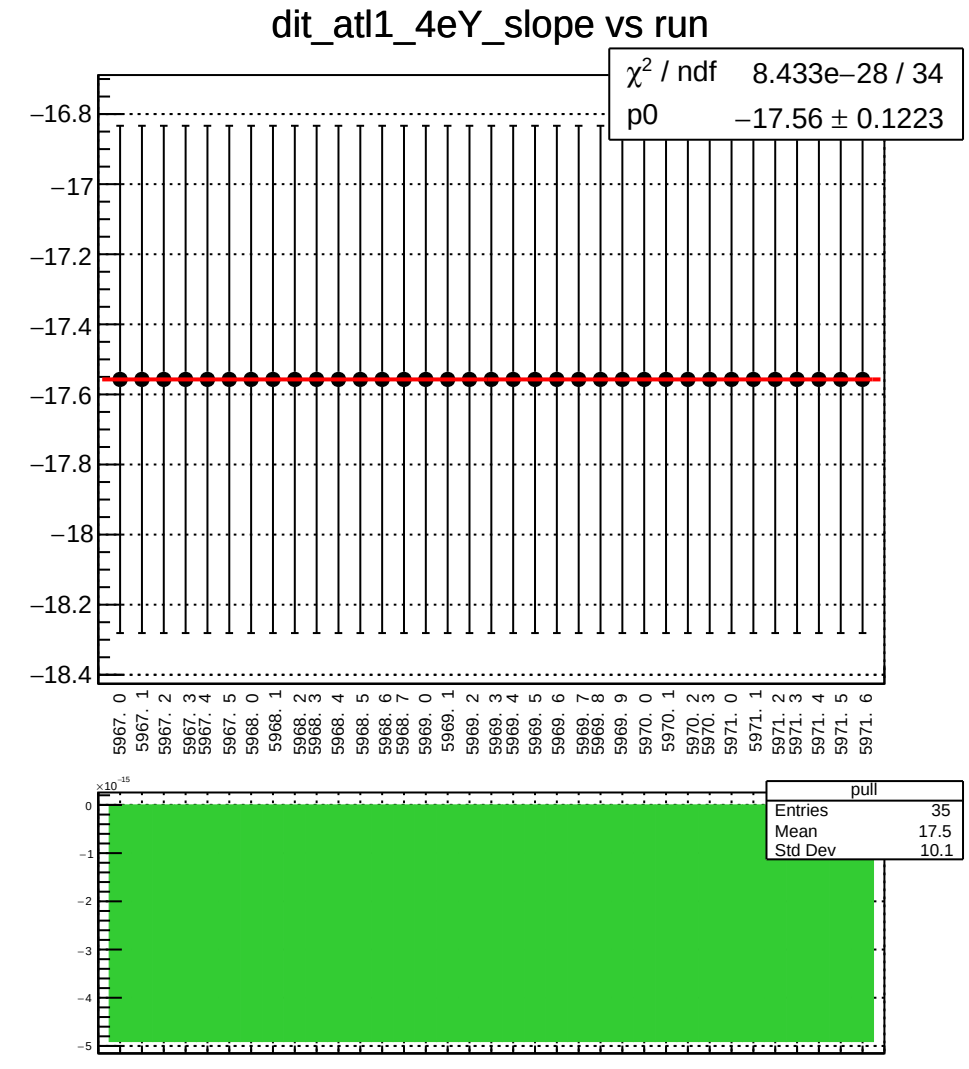

dit_atl1_4eX_slope vs run
χ² / ndf 3.298e−28 / 34
p0 92.03 ± 0.7825
96
94
92
90
88
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

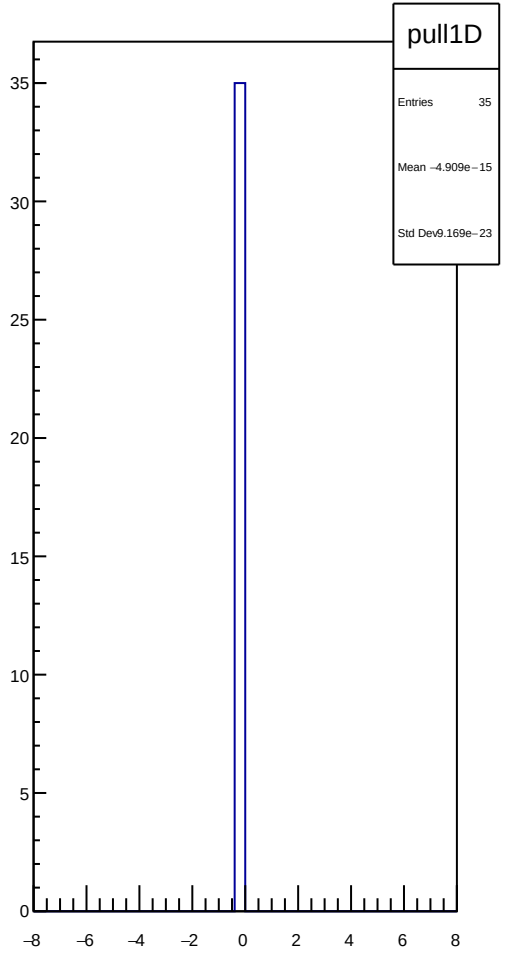

pull1D
Entries 35
Mean 3.07e−15
Std Dev 6.484e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

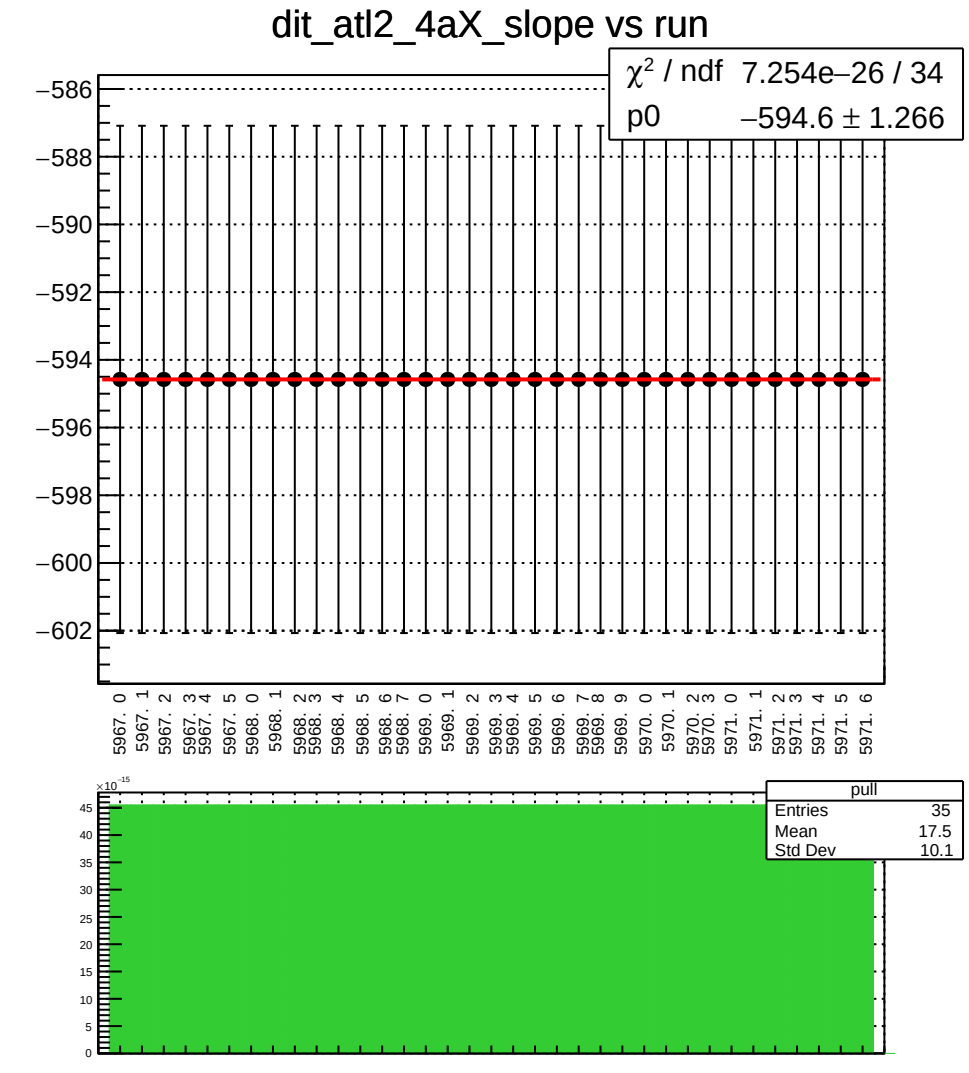

dit_atl1_11X12X_slope vs run
χ² / ndf 1.266e−26 / 34
p0 −19.95 ± 0.1579
−19
−19.5
−20
−20.5
−21
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −1.902e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

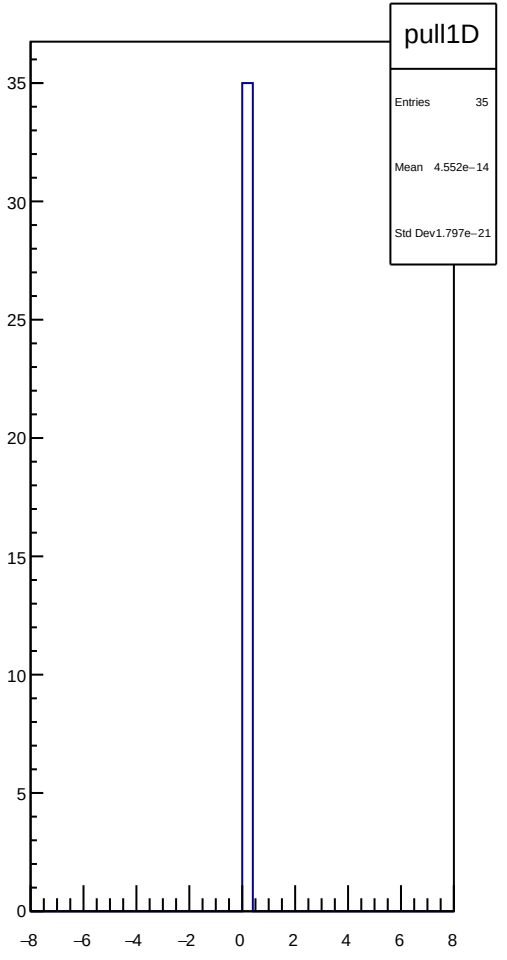

dit_atl1_4aY_slope vs run
χ² / ndf 3.261e−27 / 34
p0 10.25 ± 0.1244
11
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

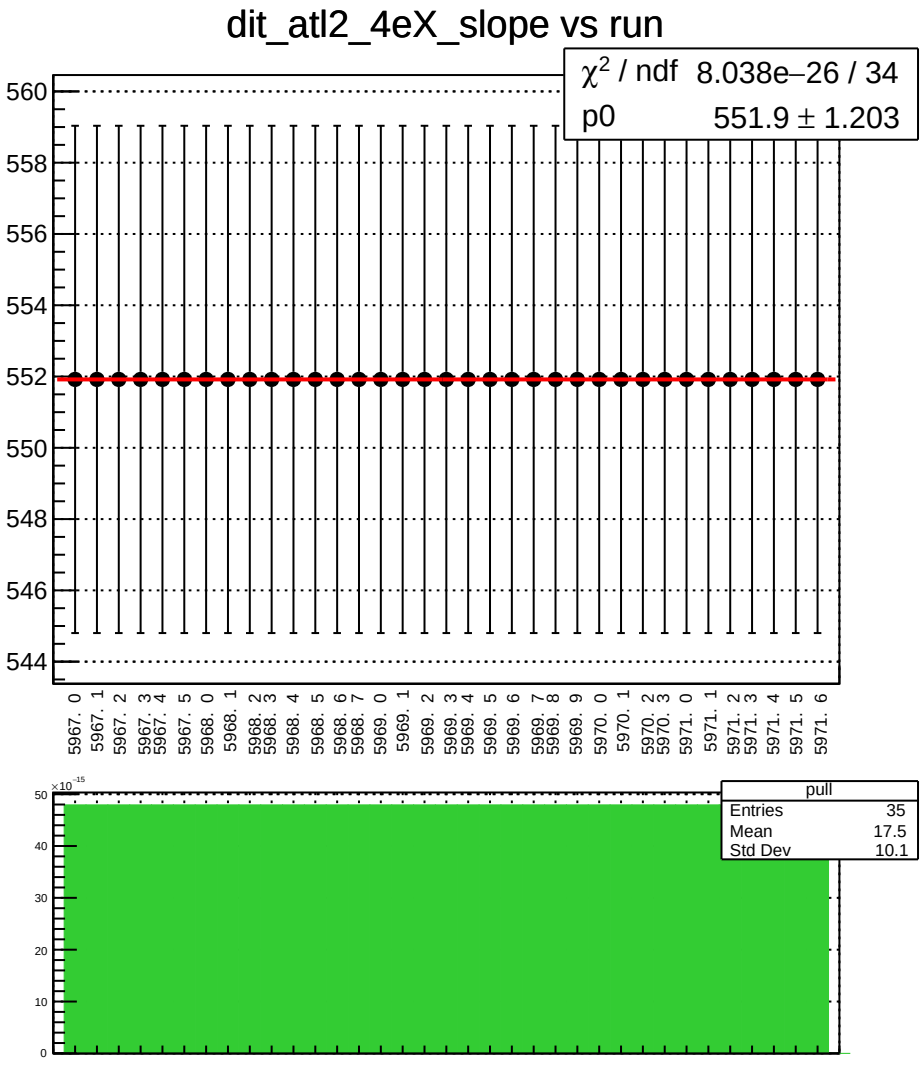

pull1D
Entries 35
Mean 9.653e−15
Std Dev1.834e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

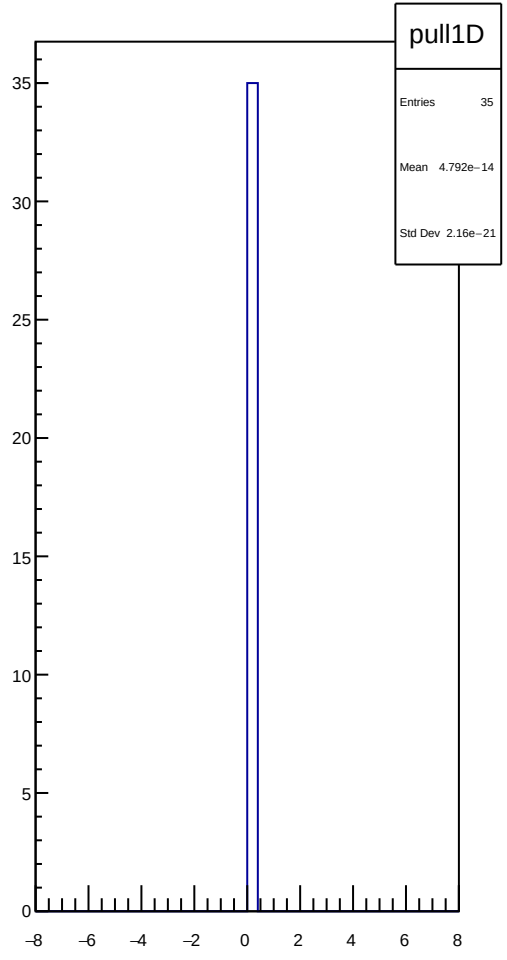

dit_atl1_4eY_slope vs run
χ² / ndf 8.433e−28 / 34
p0 −17.56 ± 0.1223
−16.8
−17
−17.2
−17.4
−17.6
−17.8
−18
−18.2
−18.4
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 35
Mean 17.5
Std Dev 10.1

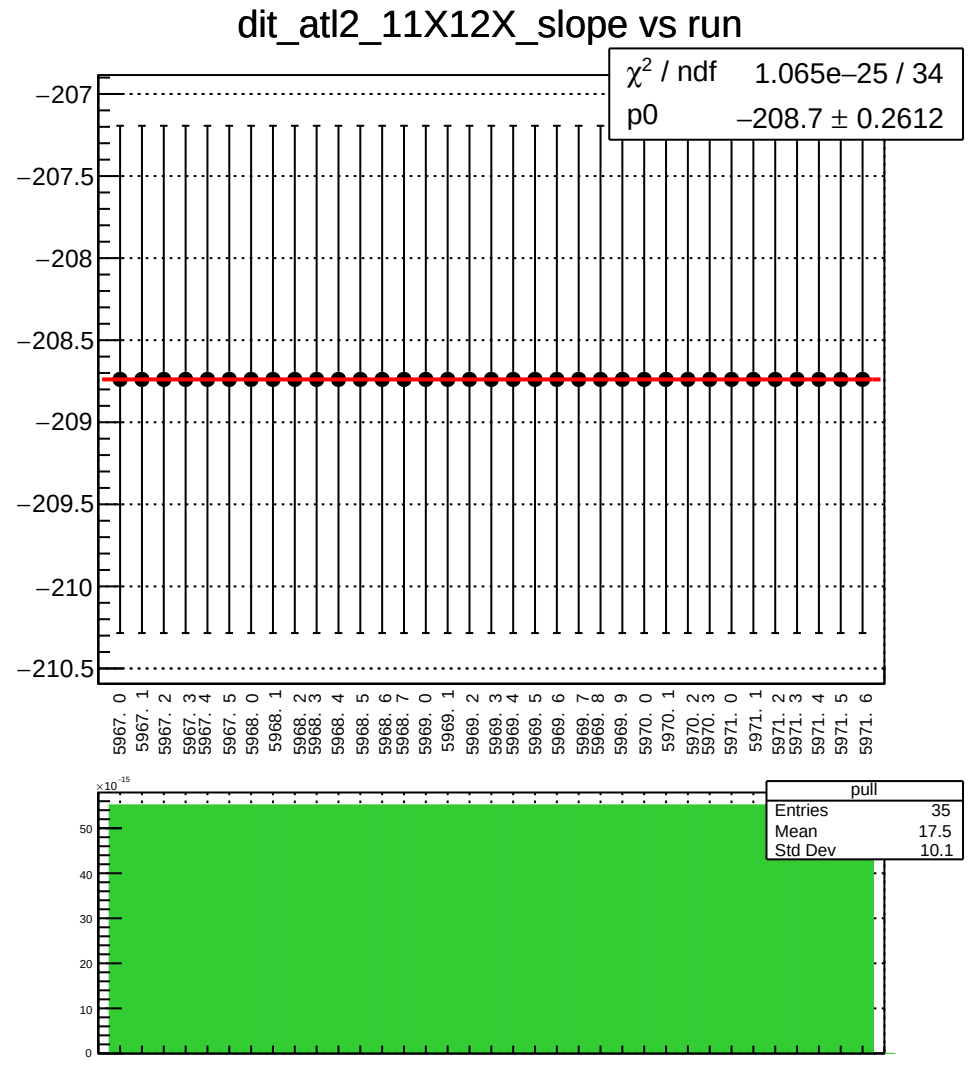

pull1D
Entries 35
Mean −4.909e−15
Std Dev9.169e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

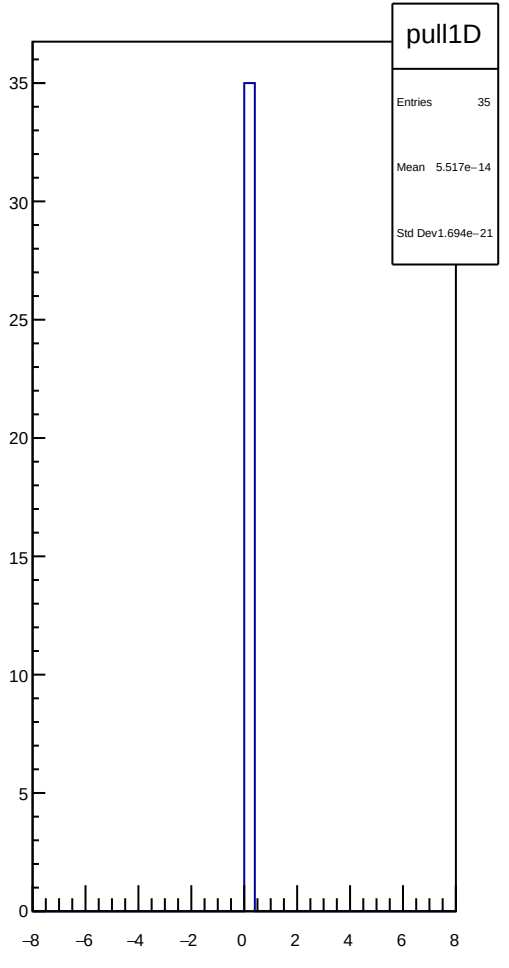

dit_atl2_4aX_slope vs run
χ² / ndf 7.254e−26 / 34
p0 −594.6 ± 1.266
−586
−588
−590
−592
−594
−596
−598
−600
−602
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

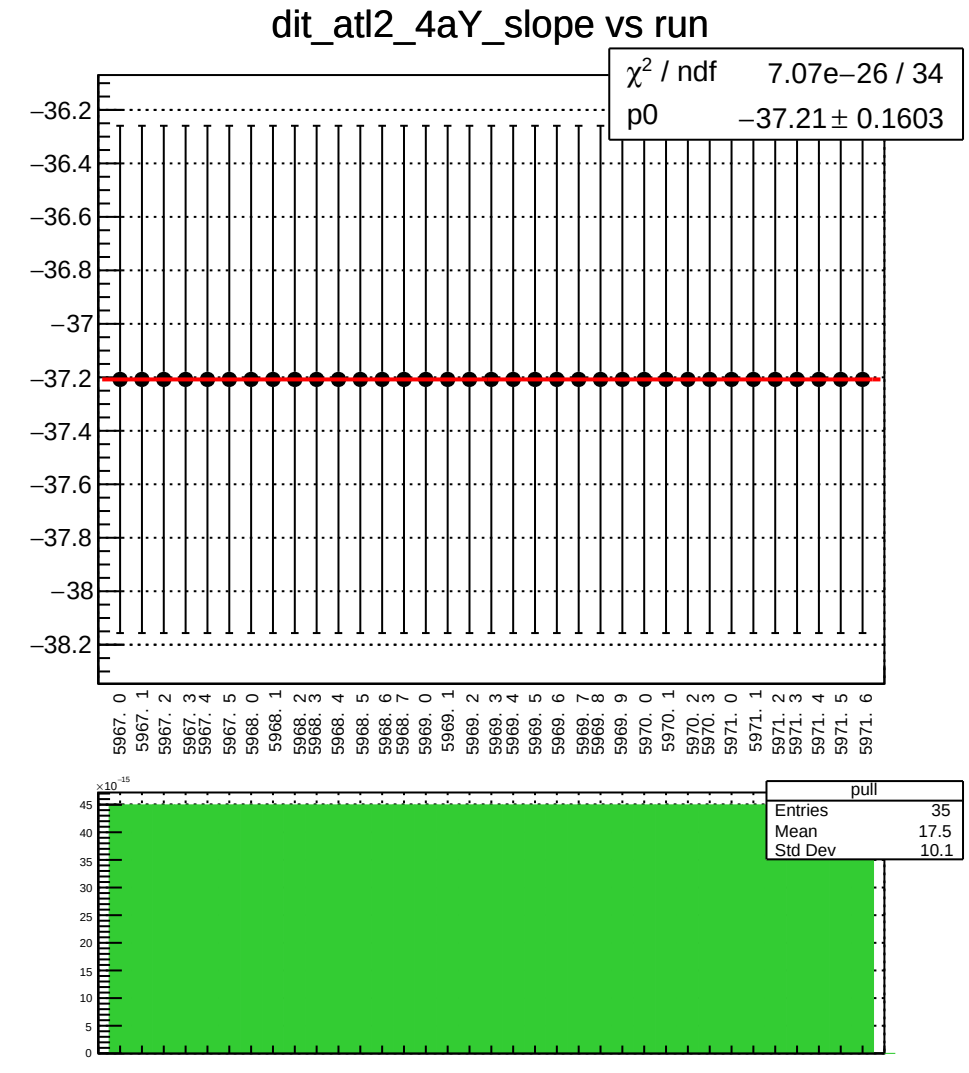

pull1D
Entries 35
Mean 4.552e−14
Std Dev1.797e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

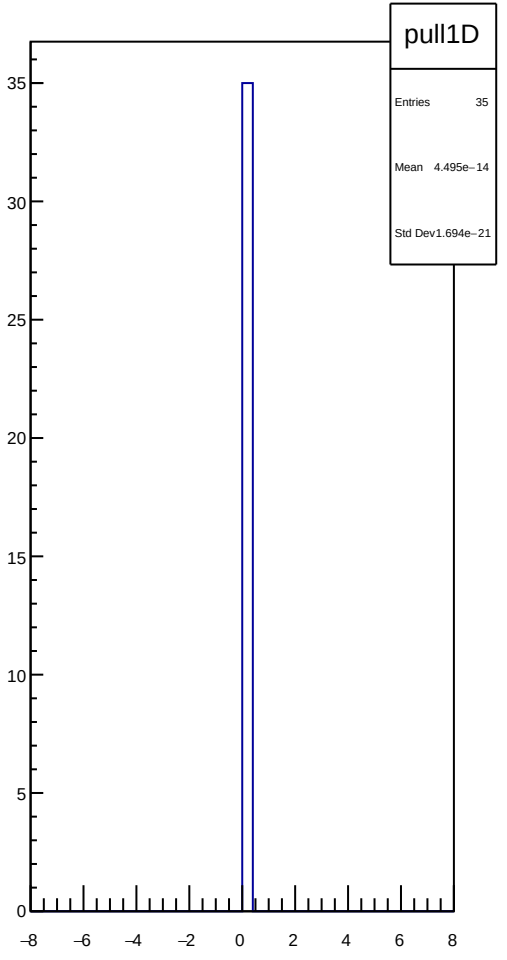

dit_atl2_4eX_slope vs run
χ² / ndf 8.038e−26 / 34
p0 551.9 ± 1.203
560
558
556
554
552
550
548
546
544
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

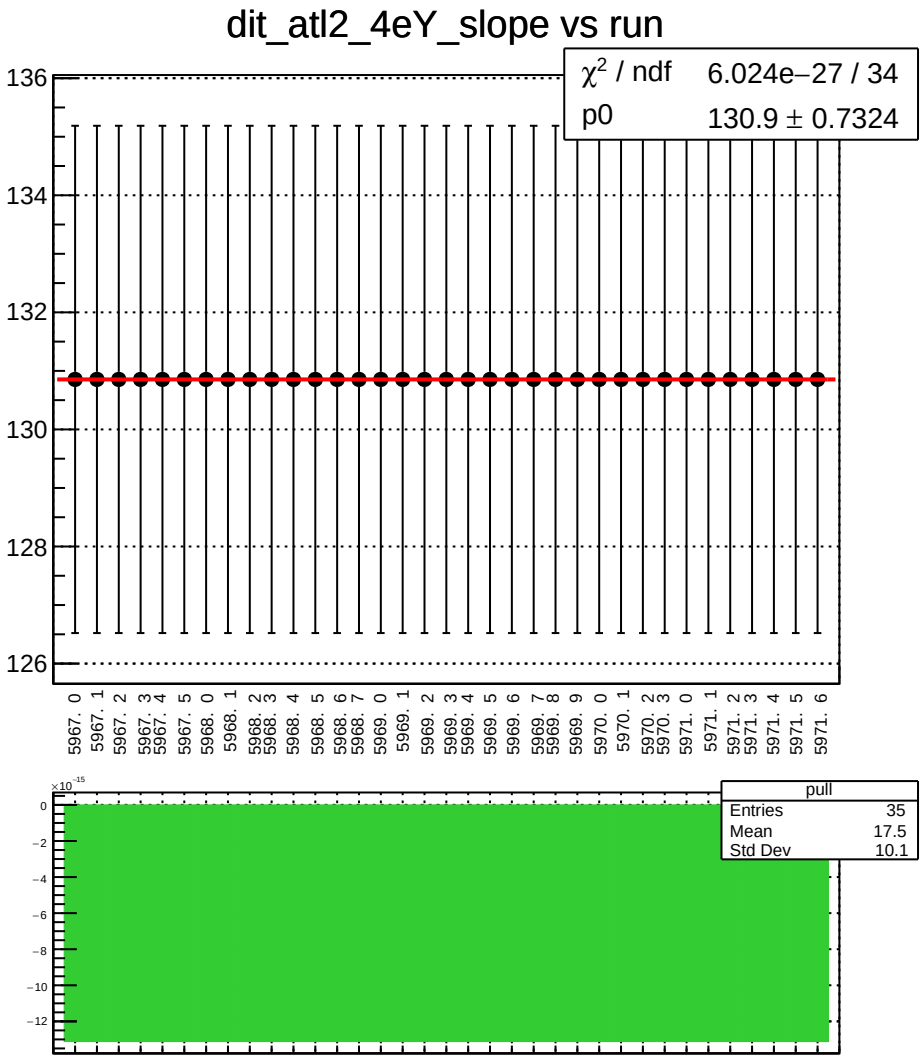

pull1D
Entries 35
Mean 4.792e−14
Std Dev 2.16e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

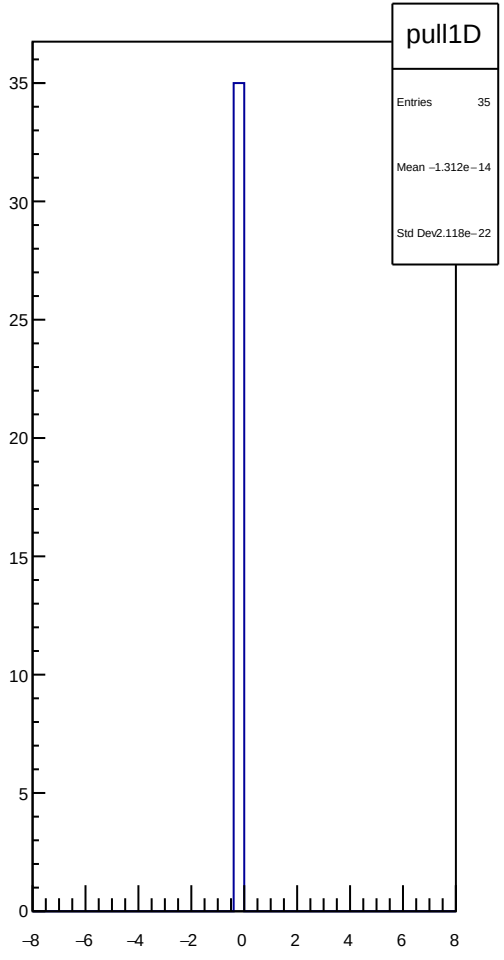

dit_atl2_11X12X_slope vs run
χ² / ndf 1.065e−25 / 34
p0 −208.7 ± 0.2612
−207
−207.5
−208
−208.5
−209
−209.5
−210
−210.5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

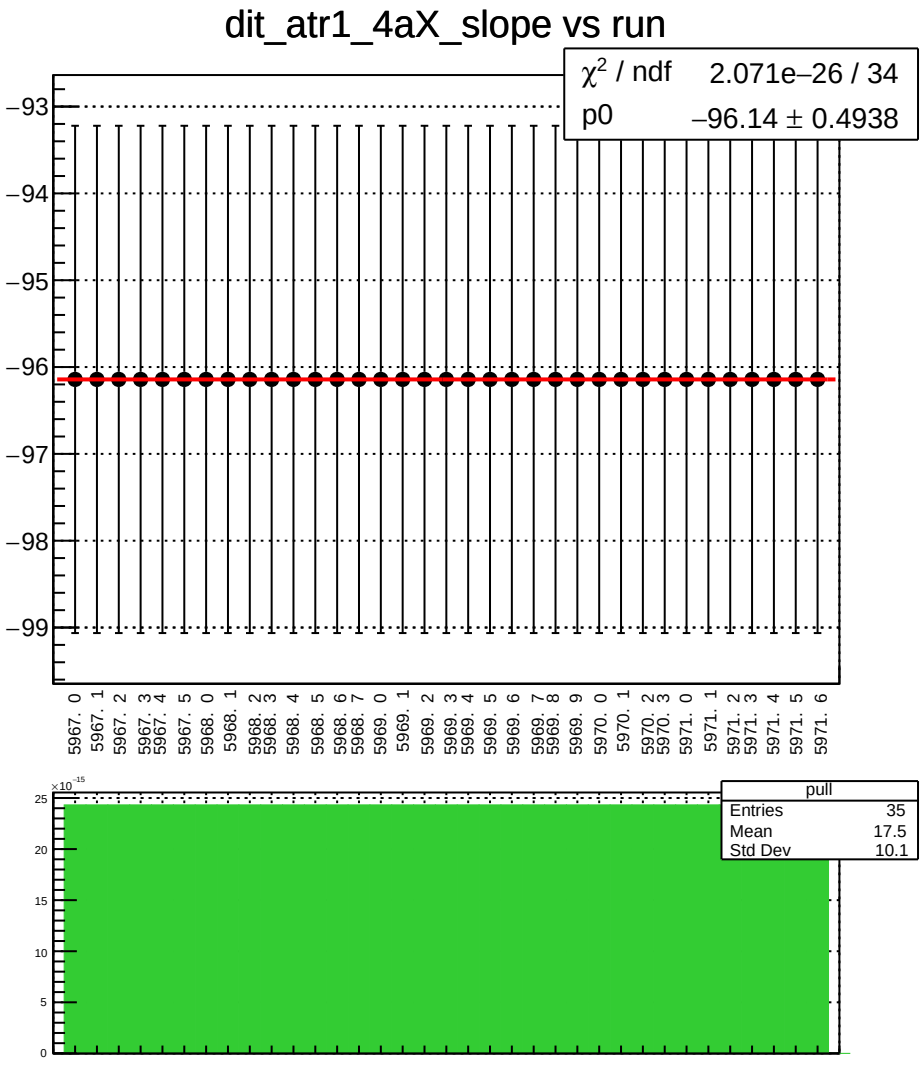

pull1D
Entries 35
Mean 5.517e−14
Std Dev1.694e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

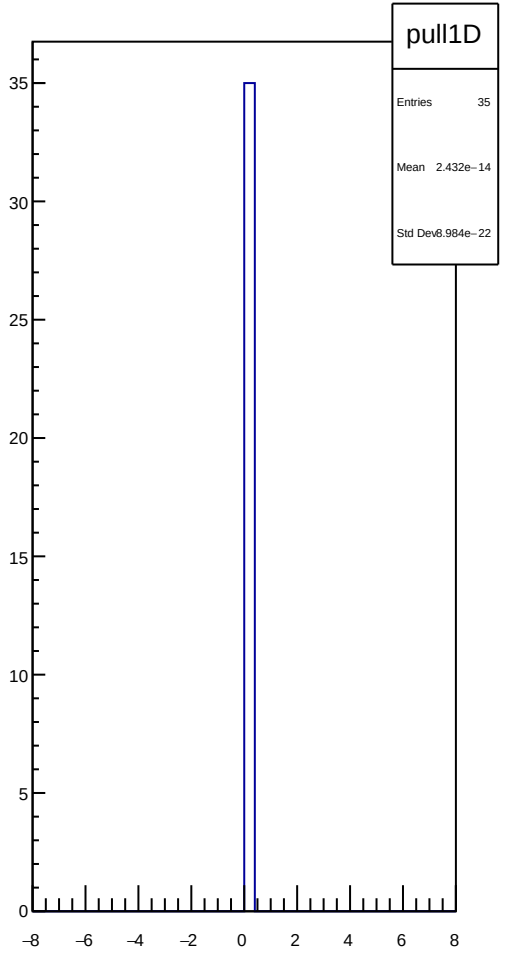

dit_atl2_4aY_slope vs run
χ² / ndf 7.07e−26 / 34
p0 −37.21 ± 0.1603
−36.2
−36.4
−36.6
−36.8
−37
−37.2
−37.4
−37.6
−37.8
−38
−38.2
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
pull
Entries 35
Mean 17.5
Std Dev 10.1

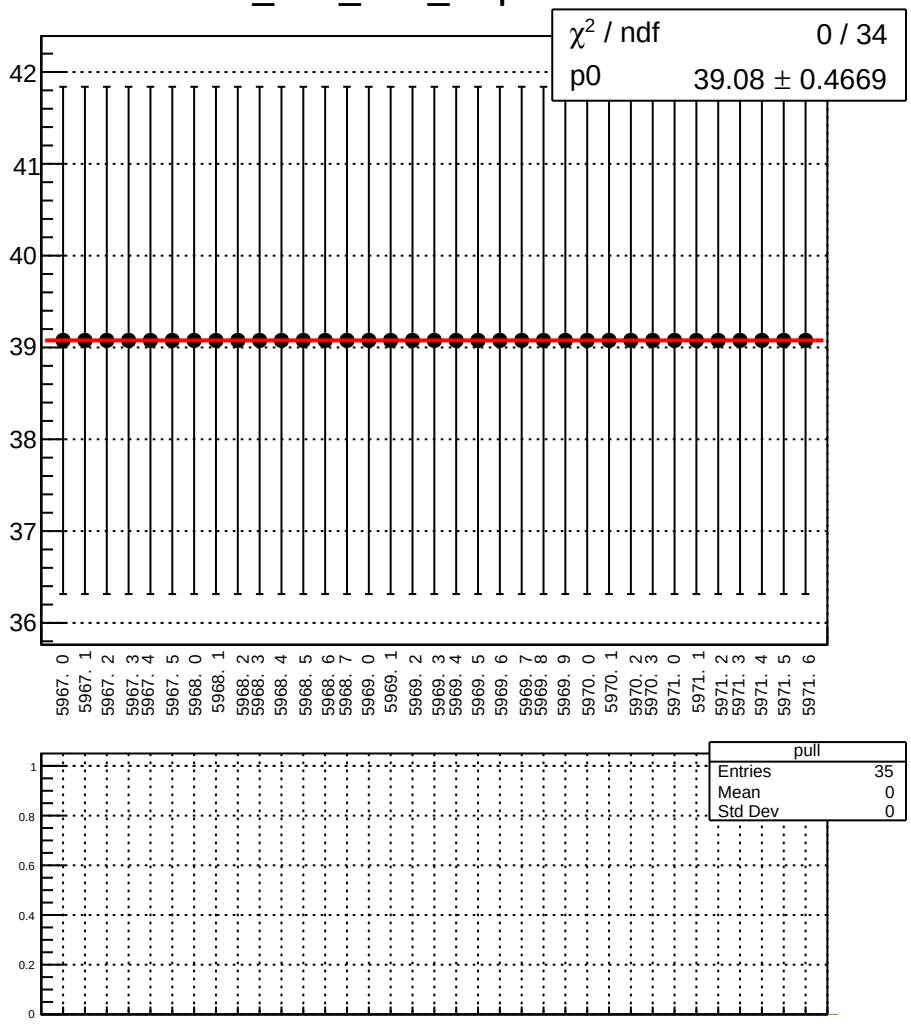

pull1D
Entries 35
Mean 4.495e−14
Std Dev1.694e−21

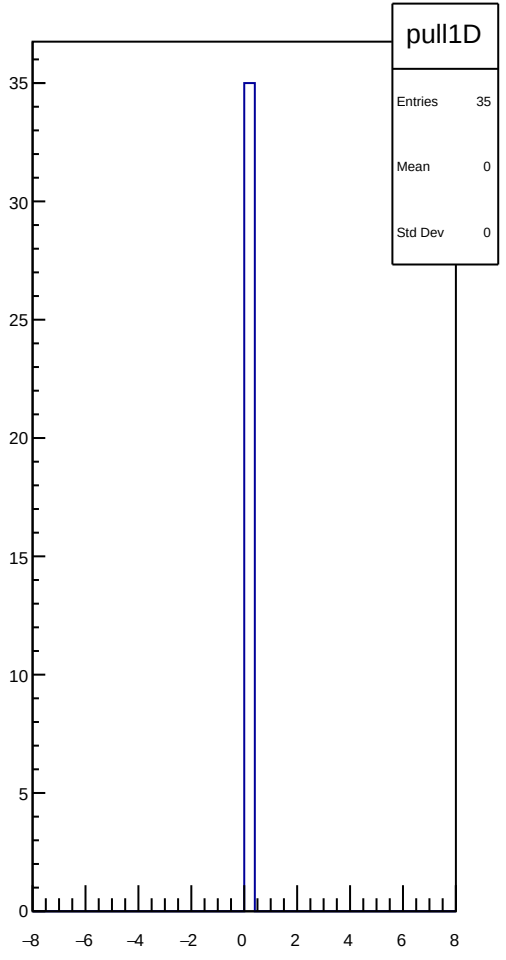

dit_atl2_4eY_slope vs run
χ² / ndf 6.024e−27 / 34
p0 130.9 ± 0.7324
136
134
132
130
128
126
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 35
Mean 17.5
Std Dev 10.1

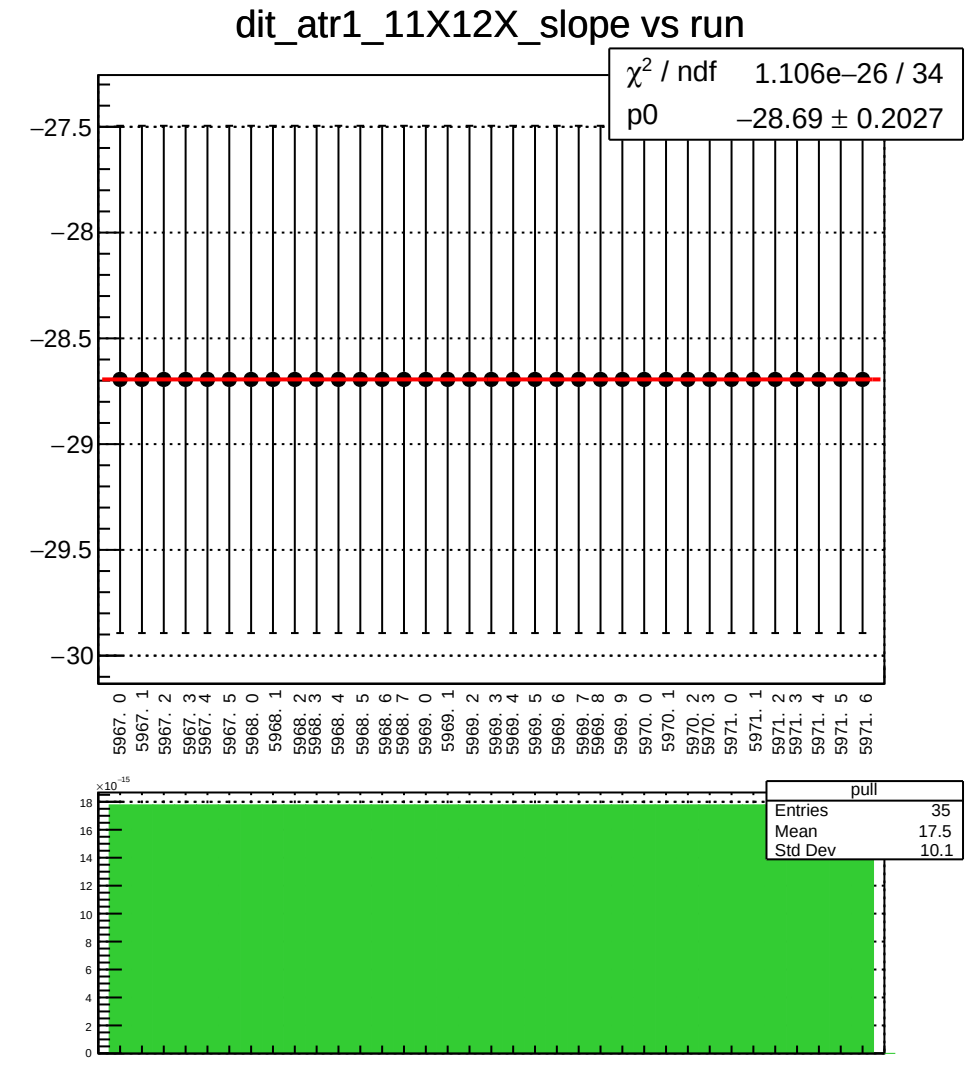

pull1D
Entries 35
Mean −1.312e−14
Std Dev 2.118e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

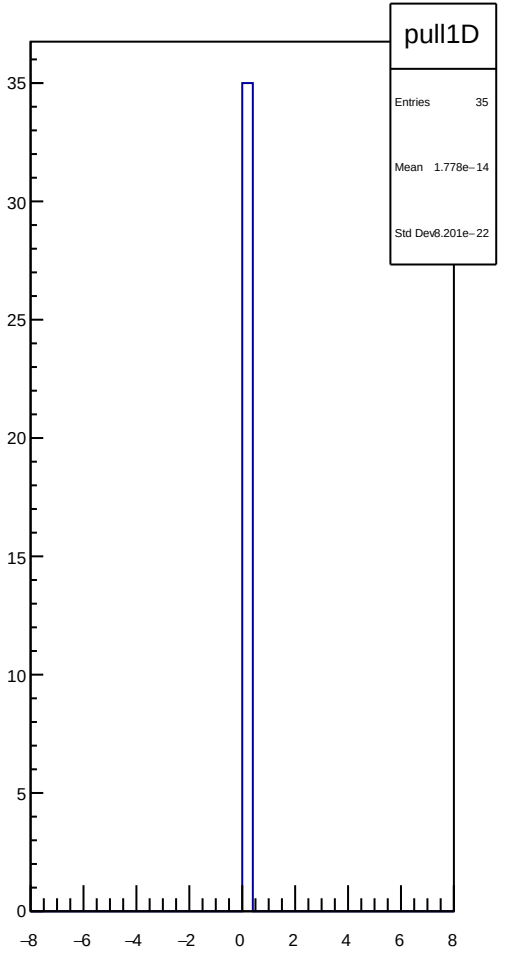

dit_atr1_4aX_slope vs run
χ² / ndf 2.071e−26 / 34
p0 −96.14 ± 0.4938
−93
−94
−95
−96
−97
−98
−99
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

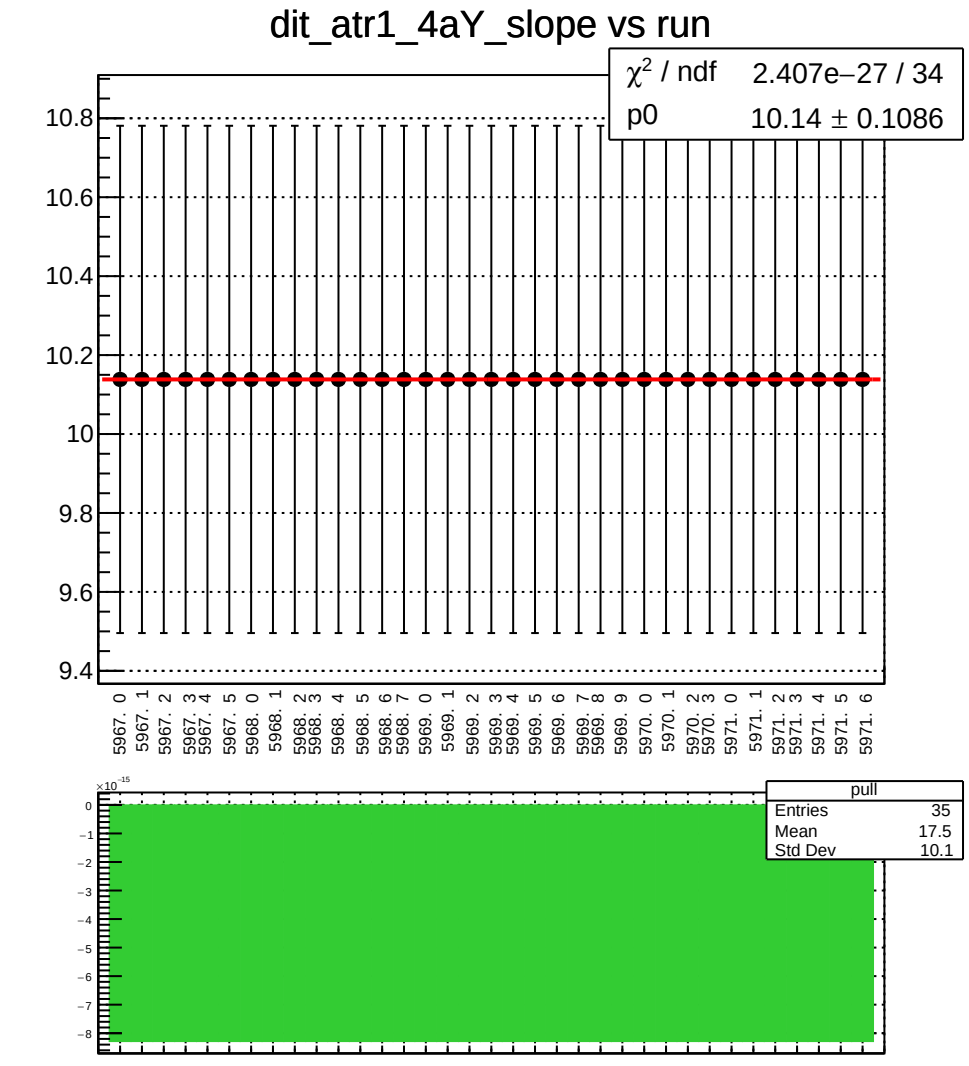

pull1D
Entries 35
Mean 2.432e−14
Std Dev 8.984e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

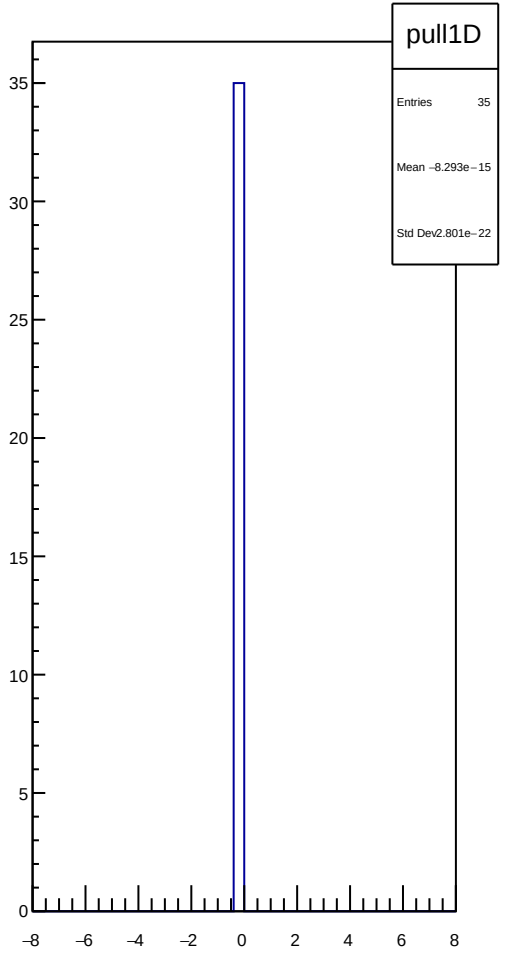

dit_atr1_4eX_slope vs run
χ² / ndf 0 / 34
p0 39.08 ± 0.4669
42
41
40
39
38
37
36
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

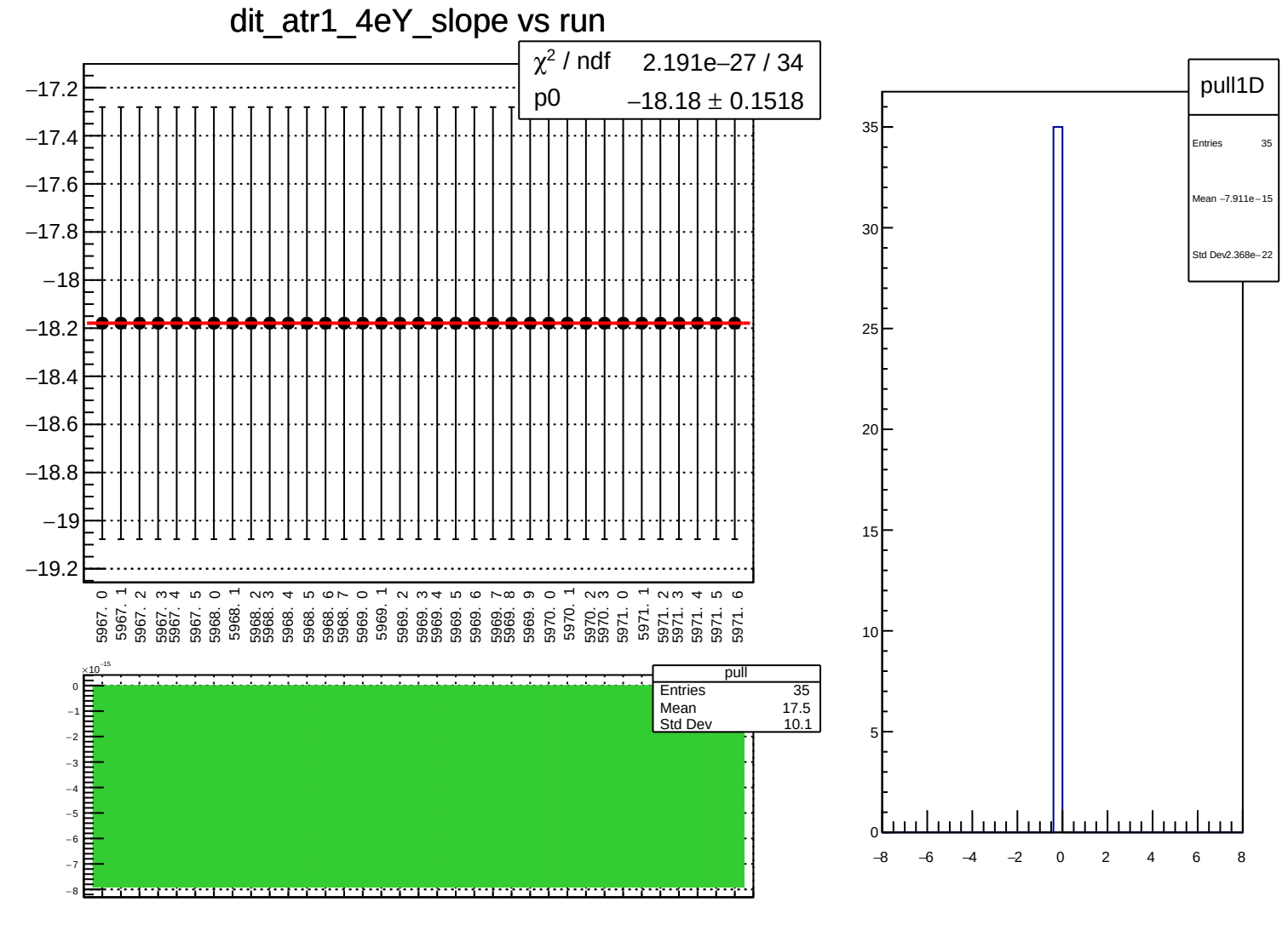

pull1D
Entries 35
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

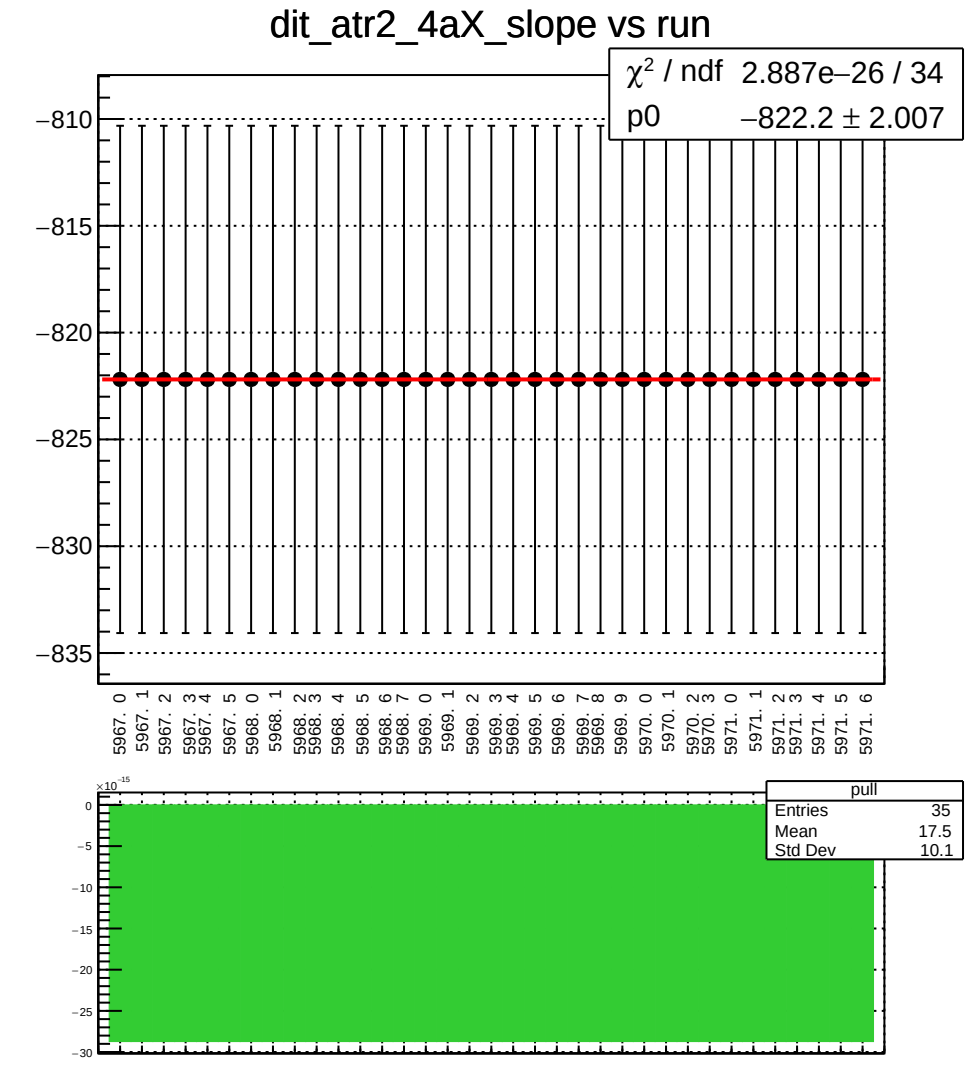

dit_atr1_11X12X_slope vs run
χ² / ndf 1.106e−26 / 34
p0 −28.69 ± 0.2027
−27.5
−28
−28.5
−29
−29.5
−30
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

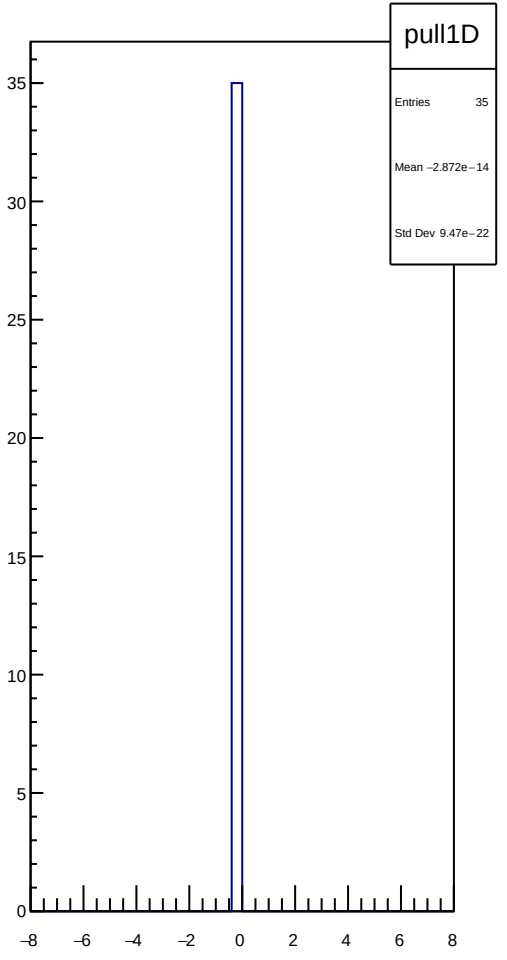

pull1D
Entries 35
Mean 1.778e−14
Std Dev 8.201e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

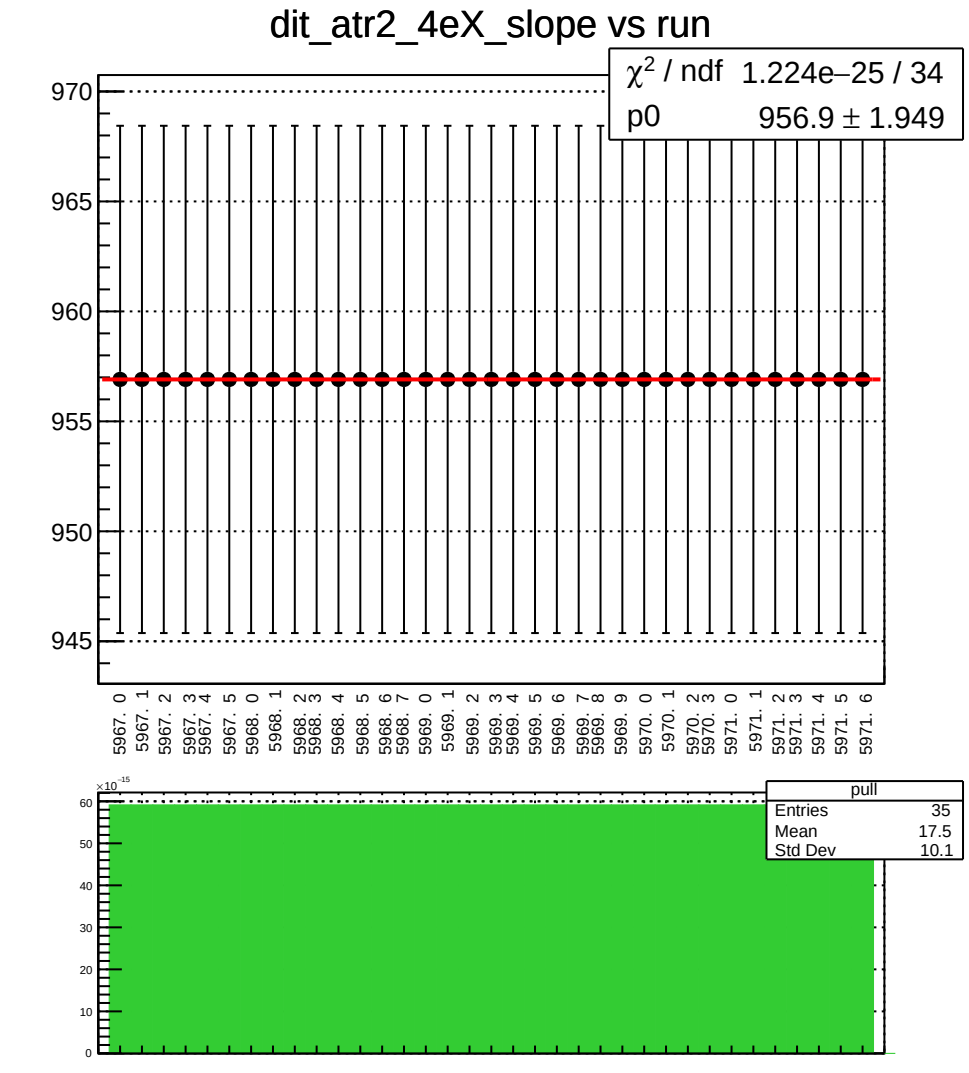

dit_atr1_4aY_slope vs run
χ² / ndf 2.407e−27 / 34
p0 10.14 ± 0.1086
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 17.5
Std Dev 10.1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8

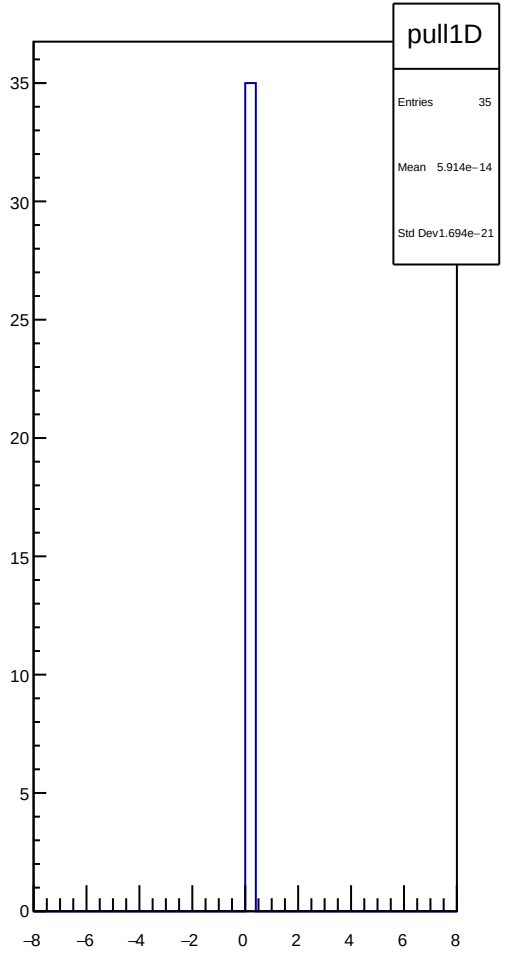

pull1D
Entries 35
Mean −8.293e−15
Std Dev 2.801e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

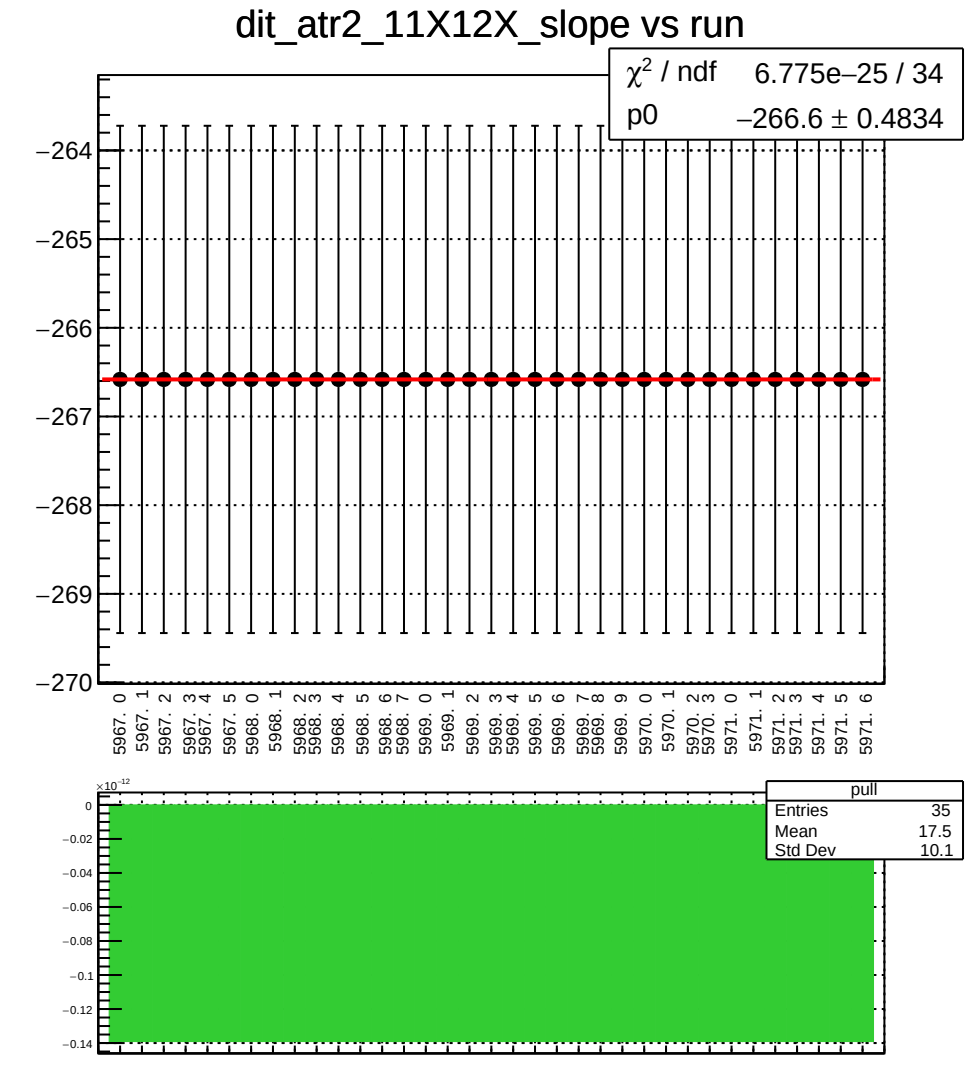

dit_atr1_4eY_slope vs run
χ² / ndf 2.191e−27 / 34
p0 −18.18 ± 0.1518
−17.2
−17.4
−17.6
−17.8
−18
−18.2
−18.4
−18.6
−18.8
−19
−19.2
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −7.911e−15
Std Dev 2.368e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

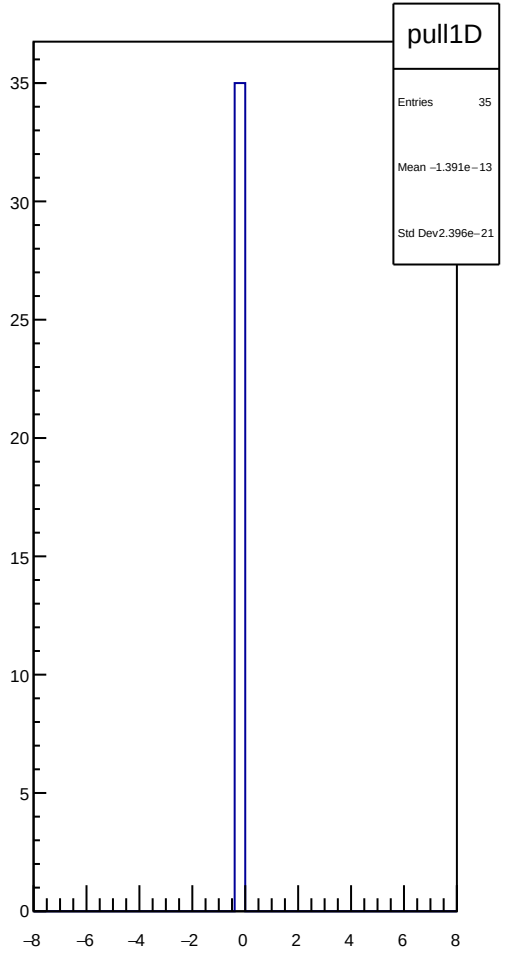

dit_atr2_4aX_slope vs run
χ² / ndf 2.887e−26 / 34
p0 −822.2 ± 2.007
−810
−815
−820
−825
−830
−835
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 35
Mean 17.5
Std Dev 10.1

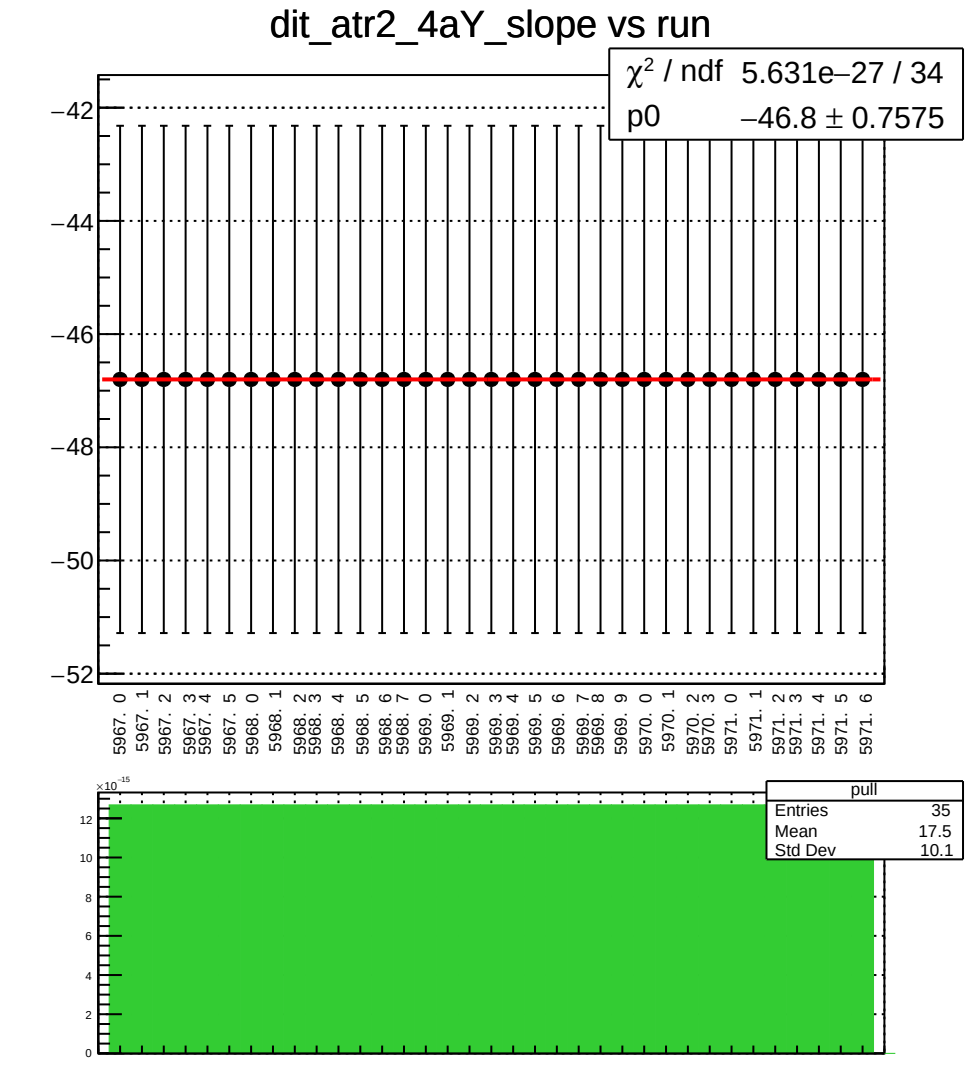

pull1D
Entries 35
Mean −2.872e−14
Std Dev 9.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

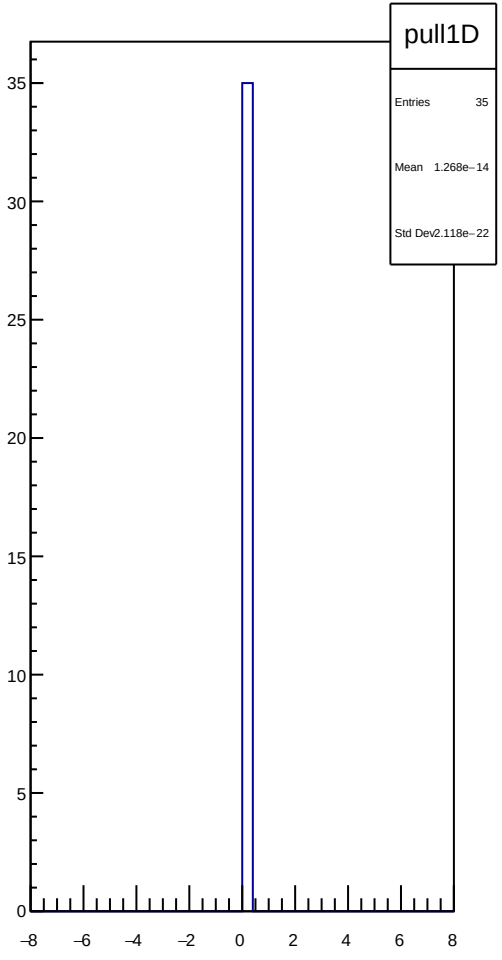

dit_atr2_4eX_slope vs run
χ² / ndf 1.224e−25 / 34
p0 956.9 ± 1.949
970
965
960
955
950
945
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

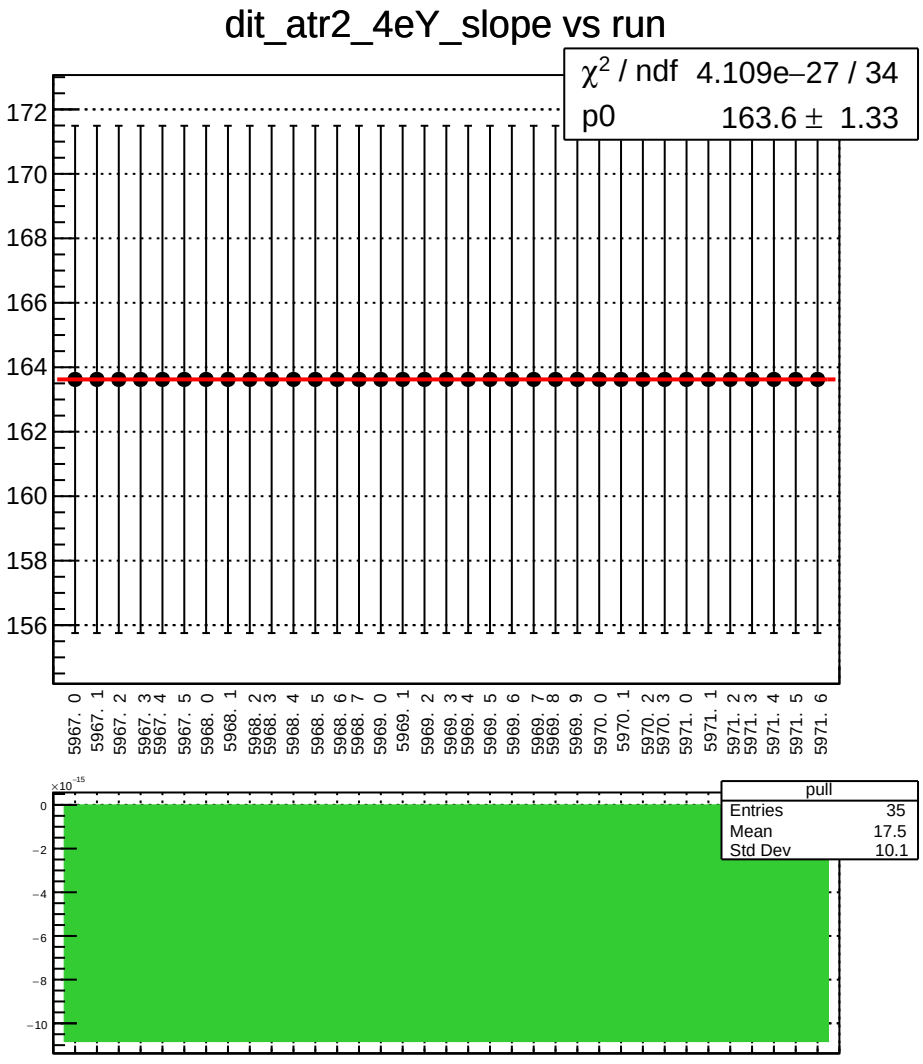

pull1D
Entries 35
Mean 5.914e−14
Std Dev1.694e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

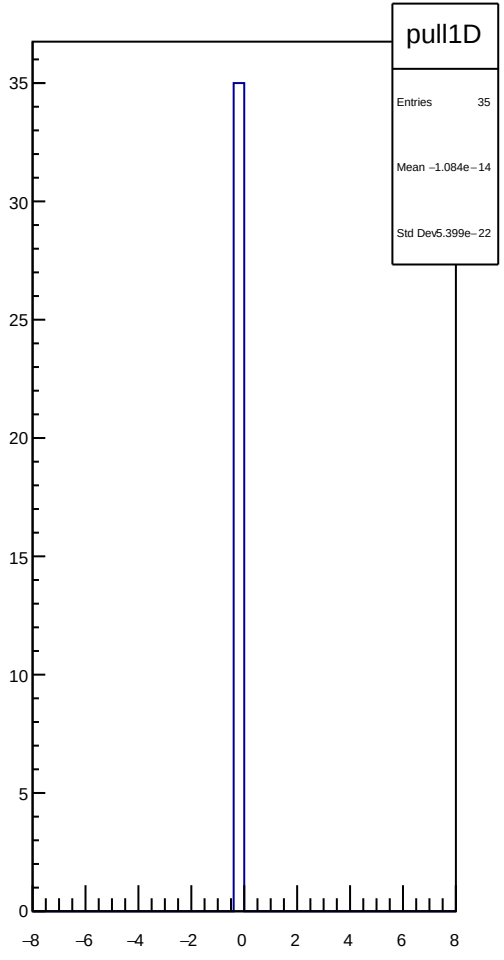

dit_atr2_11X12X_slope vs run
χ² / ndf 6.775e−25 / 34
p0 −266.6 ± 0.4834
−264
−265
−266
−267
−268
−269
−270
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 35
Mean 17.5
Std Dev 10.1

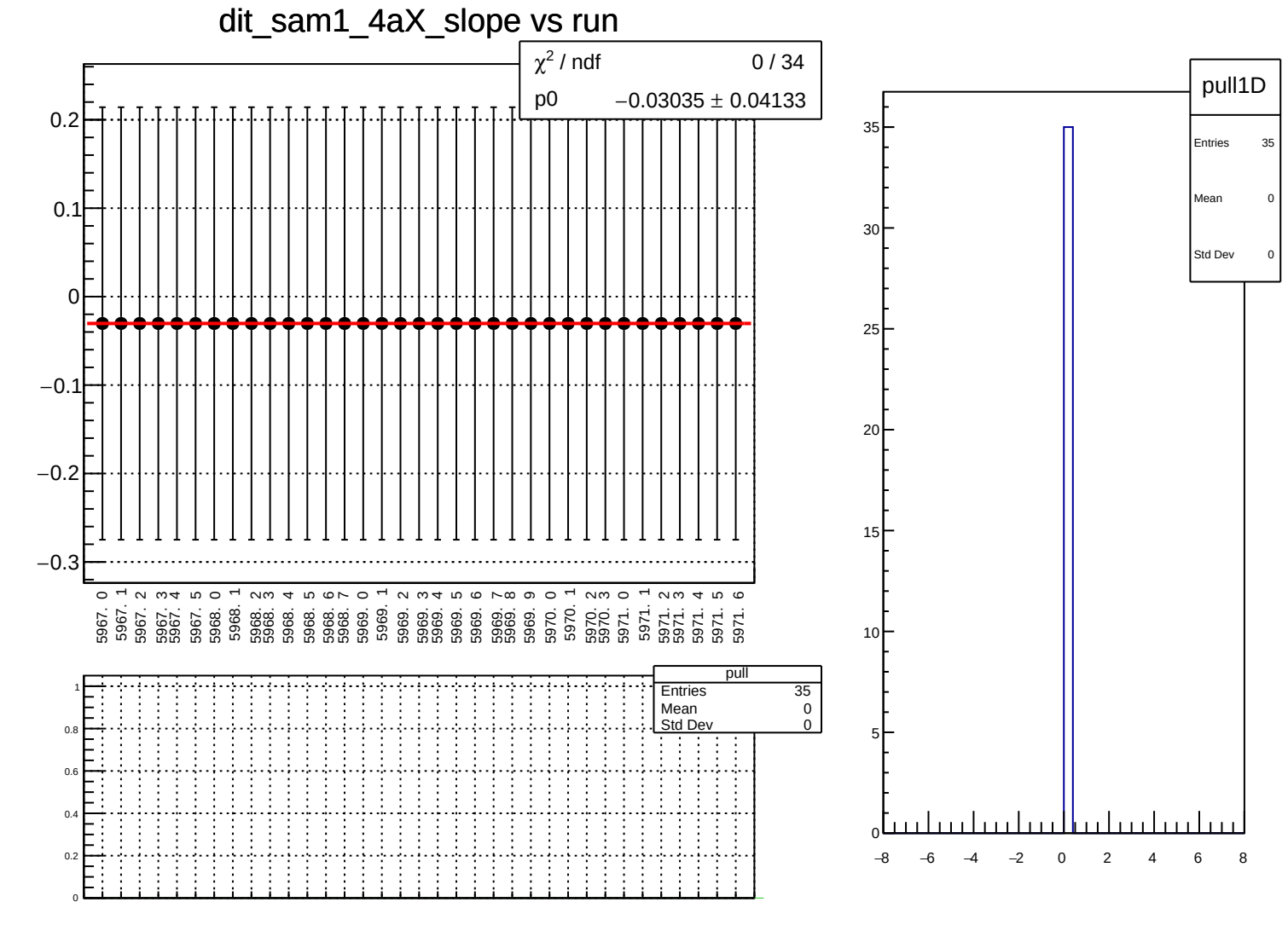

pull1D
Entries 35
Mean −1.391e−13
Std Dev2.396e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

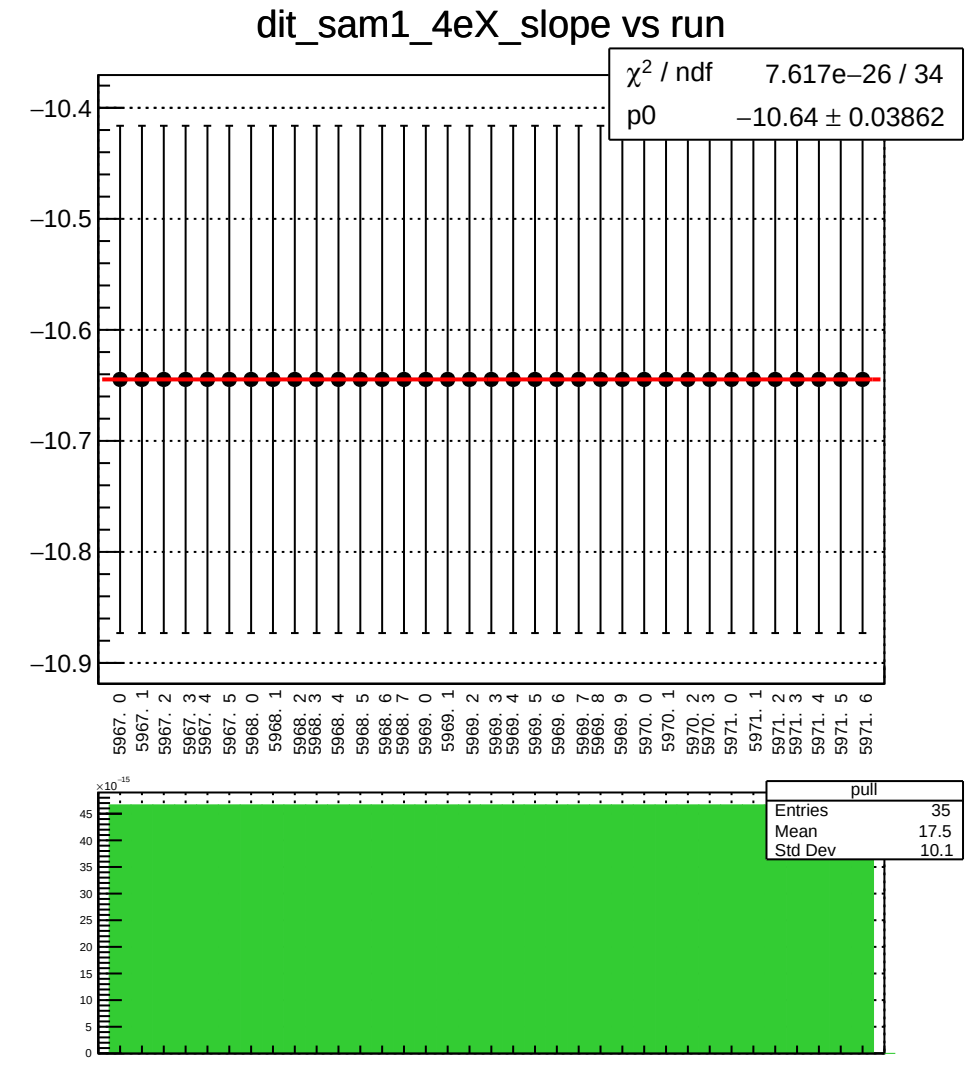

dit_atr2_4aY_slope vs run
χ² / ndf 5.631e−27 / 34
p0 −46.8 ± 0.7575
−42
−44
−46
−48
−50
−52
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

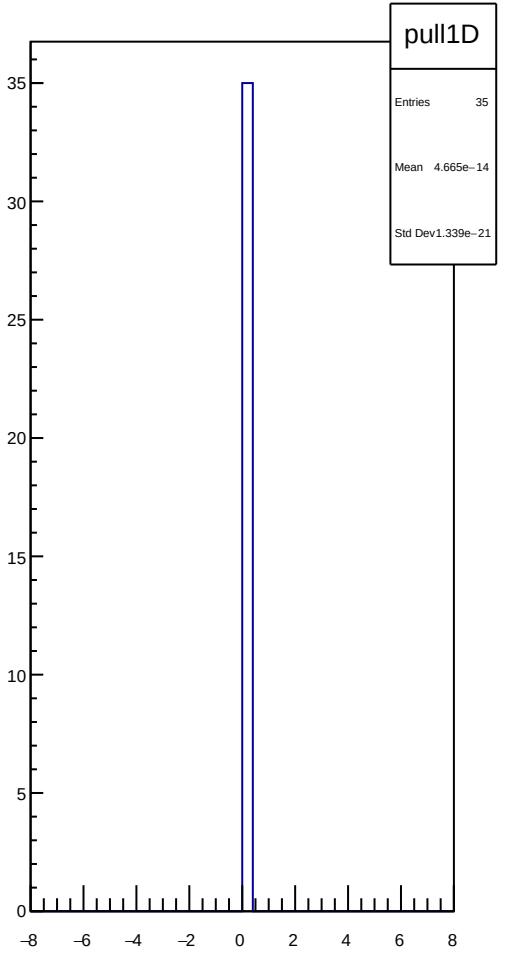

pull1D
Entries 35
Mean 1.268e−14
Std Dev 2.118e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

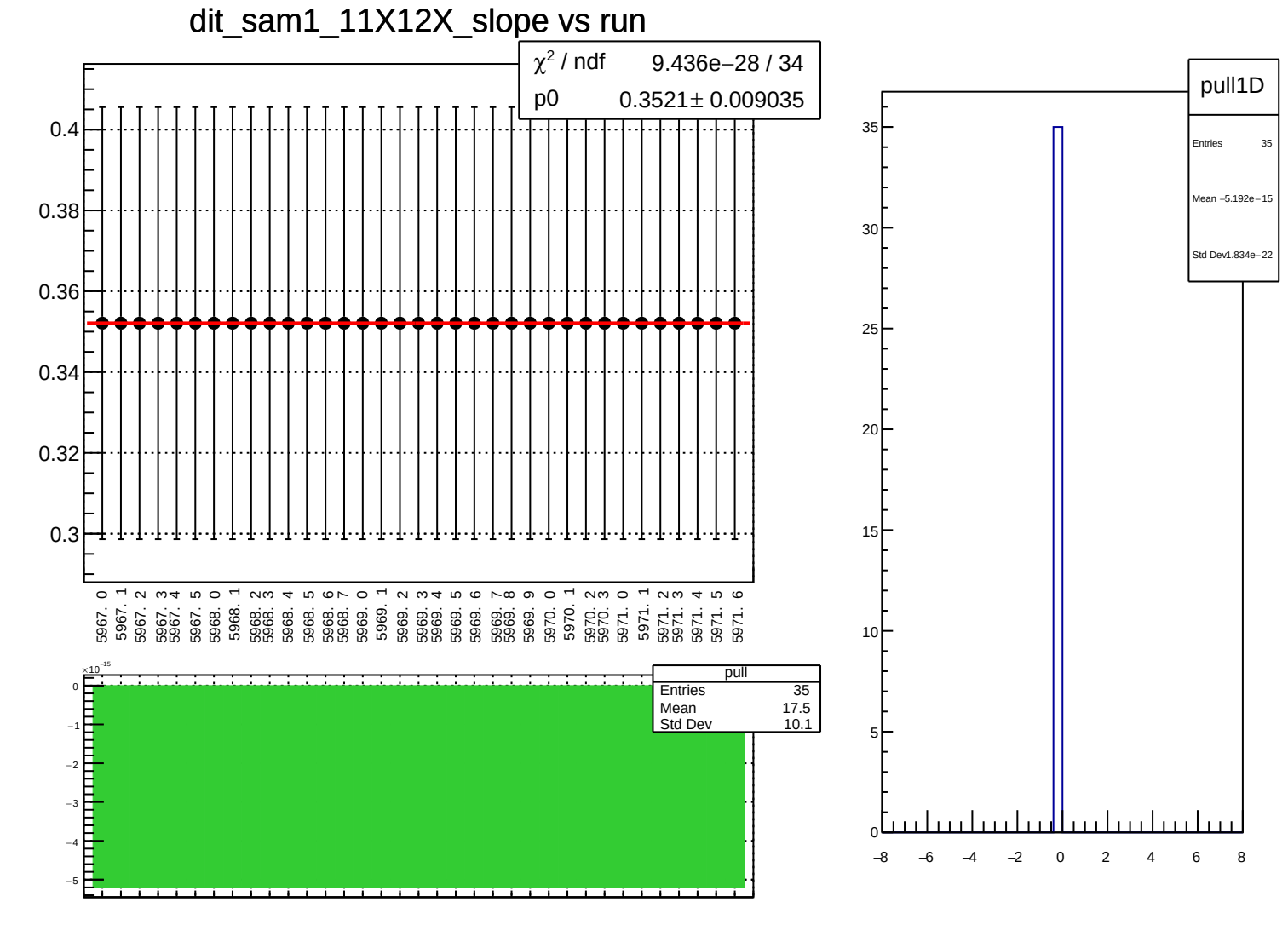

dit_atr2_4eY_slope vs run
χ² / ndf 4.109e−27 / 34
p0 163.6 ± 1.33
172
170
168
166
164
162
160
158
156
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 35
Mean 17.5
Std Dev 10.1

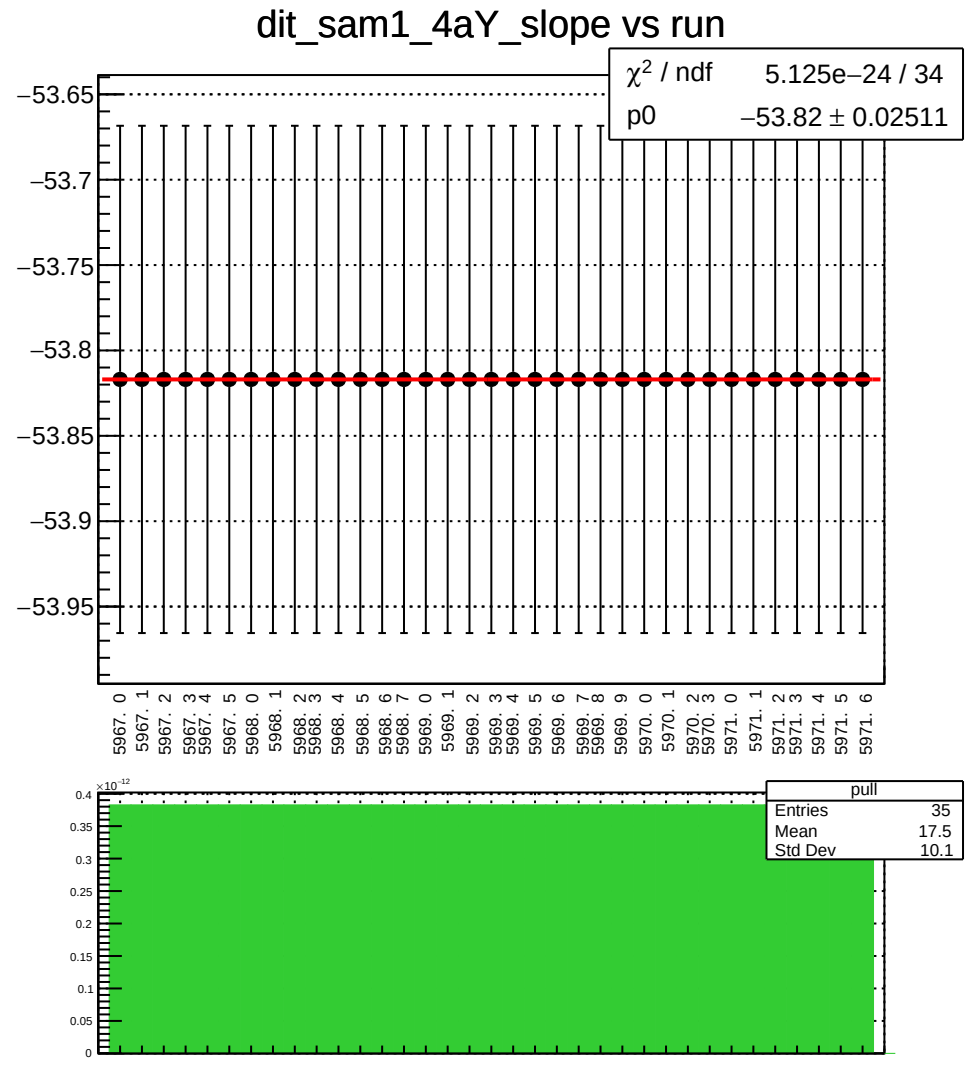

pull1D
Entries 35
Mean −1.084e−14
Std Dev5.399e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

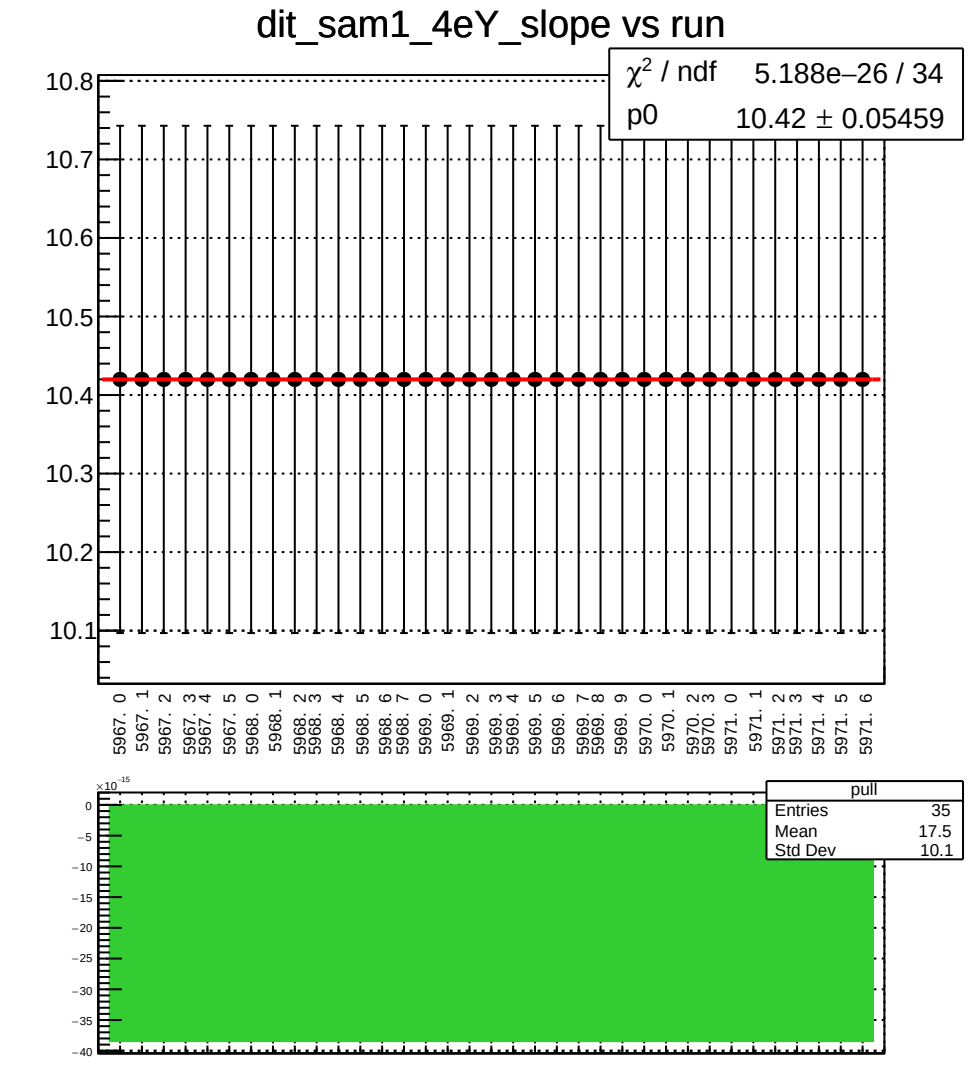

dit_sam1_4aX_slope vs run
χ² / ndf 0 / 34
p0 −0.03035 ± 0.04133
0.2
0.1
0
−0.1
−0.2
−0.3
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 35
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

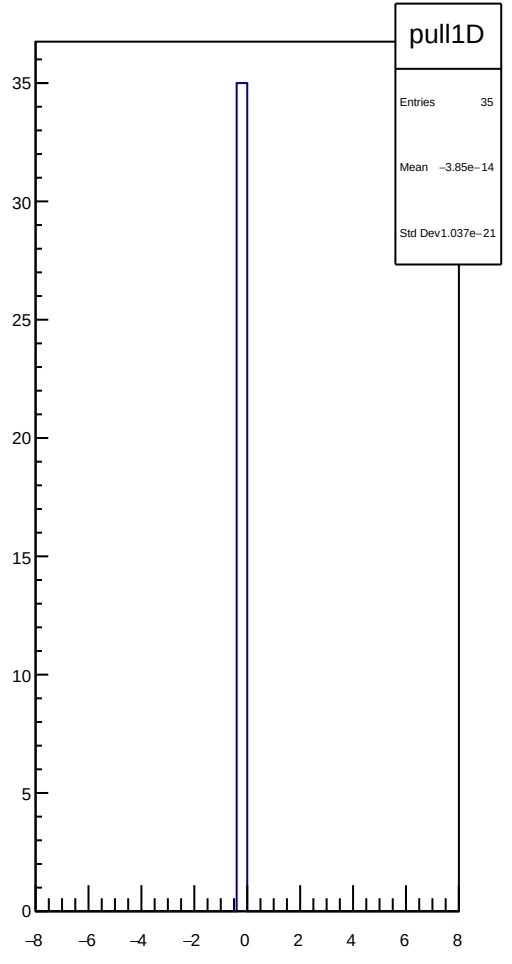

dit_sam1_4eX_slope vs run
χ² / ndf 7.617e−26 / 34
p0 −10.64 ± 0.03862
−10.4
−10.5
−10.6
−10.7
−10.8
−10.9
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
pull
Entries 35
Mean 17.5
Std Dev 10.1

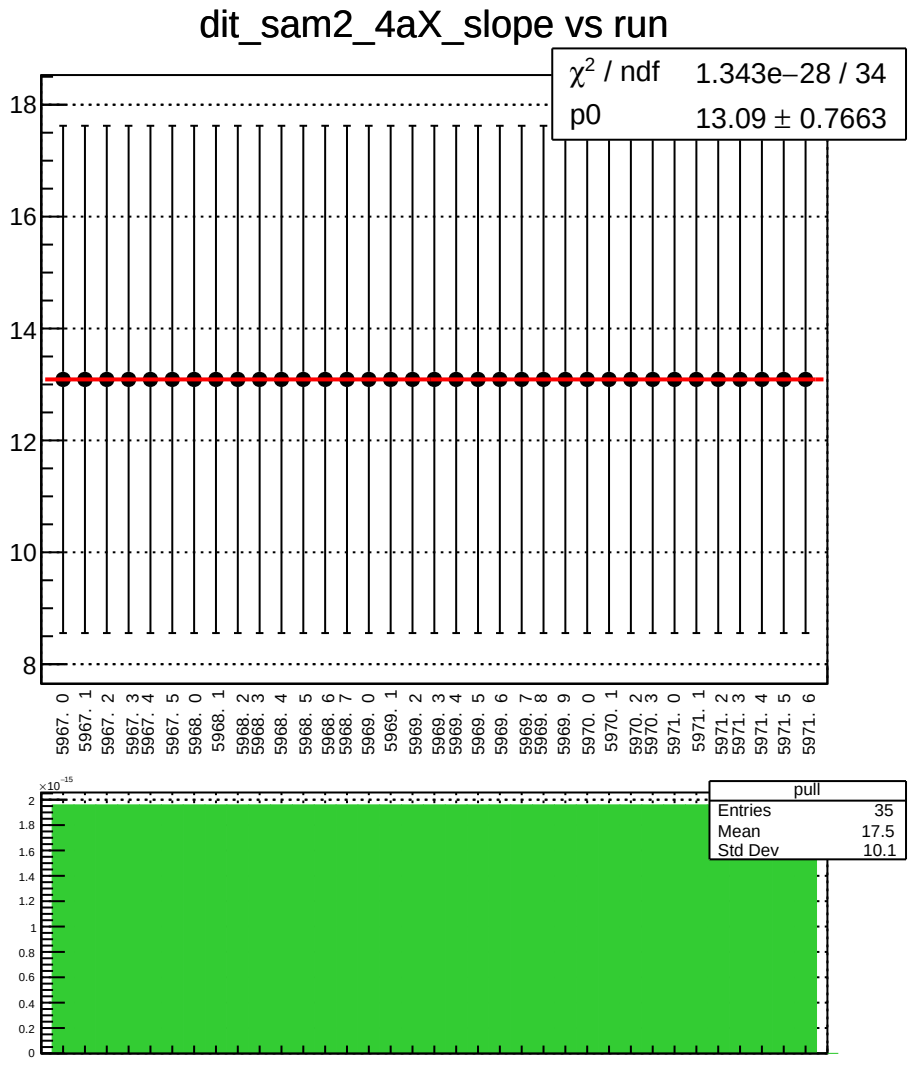

pull1D
Entries 35
Mean 4.665e−14
Std Dev1.339e−21

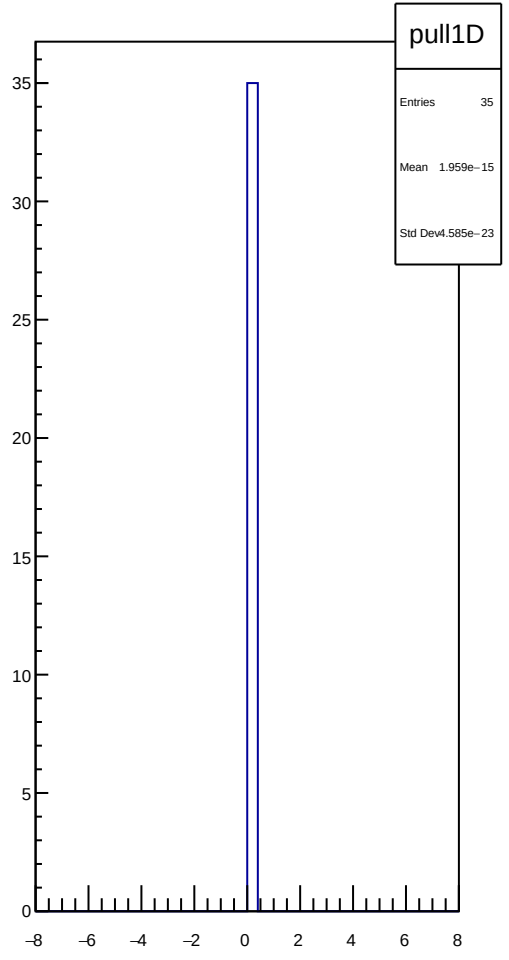

dit_sam1_11X12X_slope vs run
χ² / ndf 9.436e−28 / 34
p0 0.3521± 0.009035
0.4
0.38
0.36
0.34
0.32
0.3
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −5.192e−15
Std Dev1.834e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

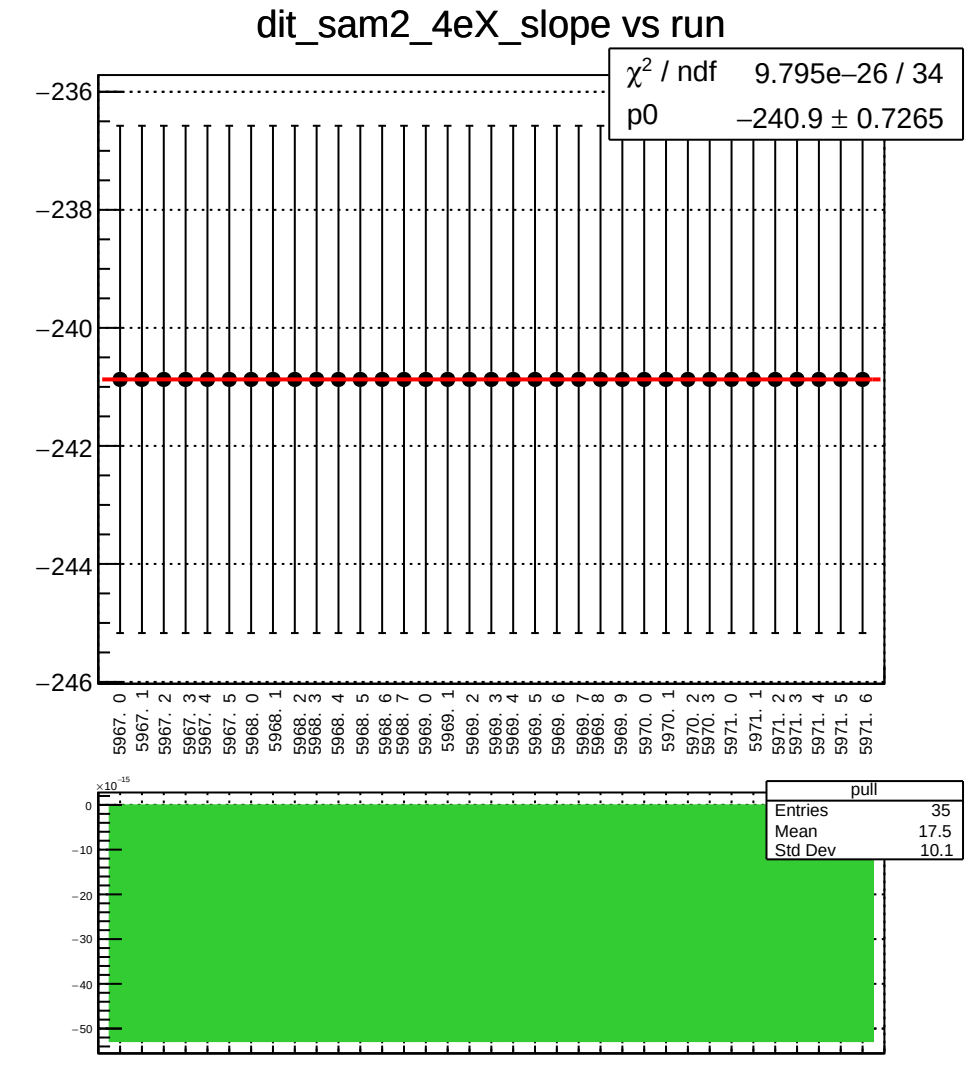

dit_sam1_4aY_slope vs run
χ² / ndf 5.125e−24 / 34
p0 −53.82 ± 0.02511
−53.65
−53.7
−53.75
−53.8
−53.85
−53.9
−53.95
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻�
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 3.827e−13
Std Dev8.299e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

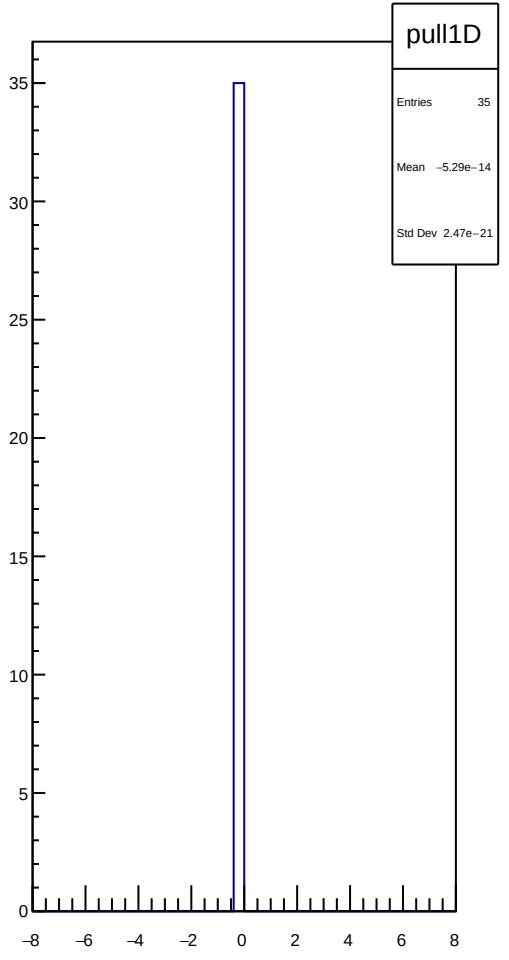

dit_sam1_4eY_slope vs run
χ² / ndf 5.188e−26 / 34
p0 10.42 ± 0.05459
10.8
10.7
10.6
10.5
10.4
10.3
10.2
10.1
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 35
Mean 17.5
Std Dev 10.1

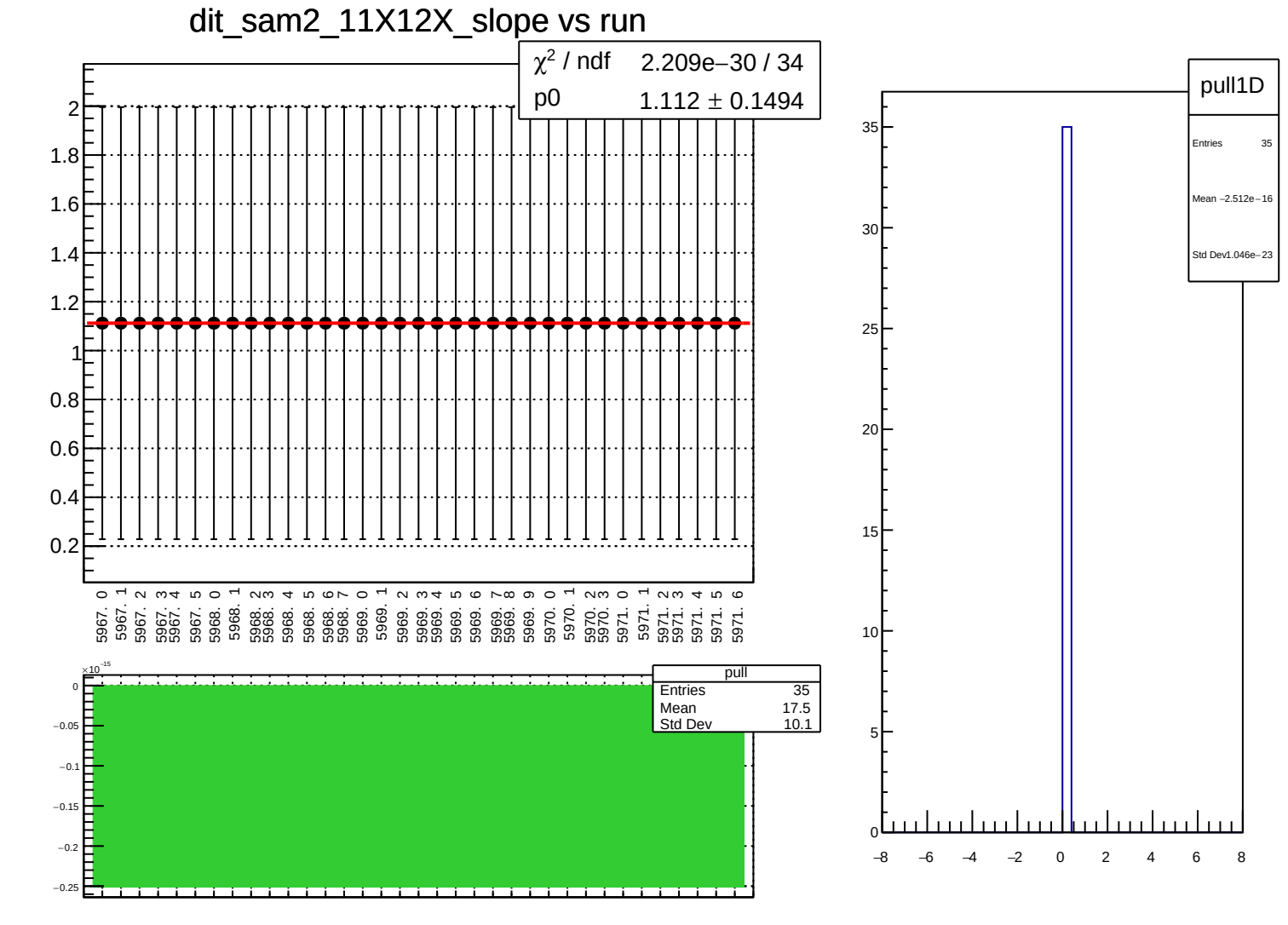

pull1D
Entries 35
Mean −3.85e−14
Std Dev1.037e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

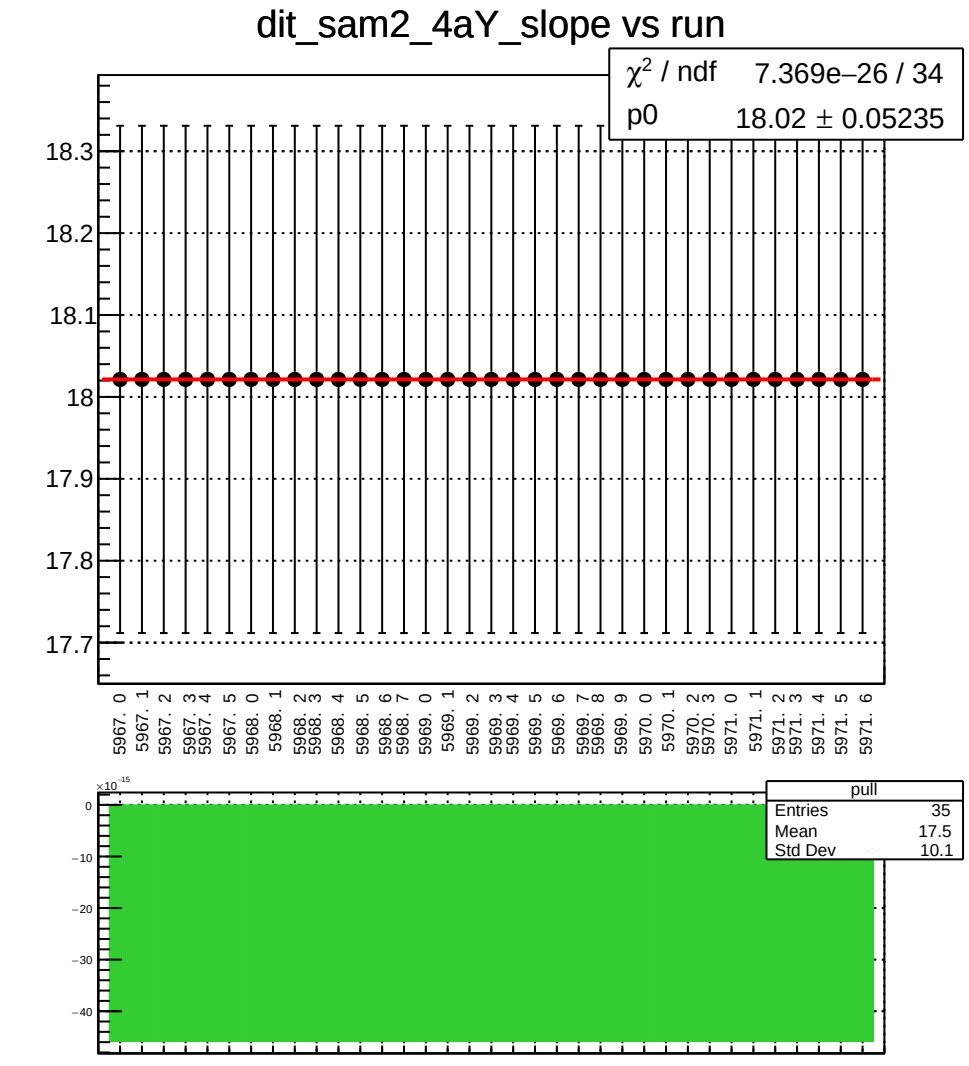

dit_sam2_4aX_slope vs run
χ² / ndf 1.343e−28 / 34
p0 13.09 ± 0.7663
18
16
14
12
10
8
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

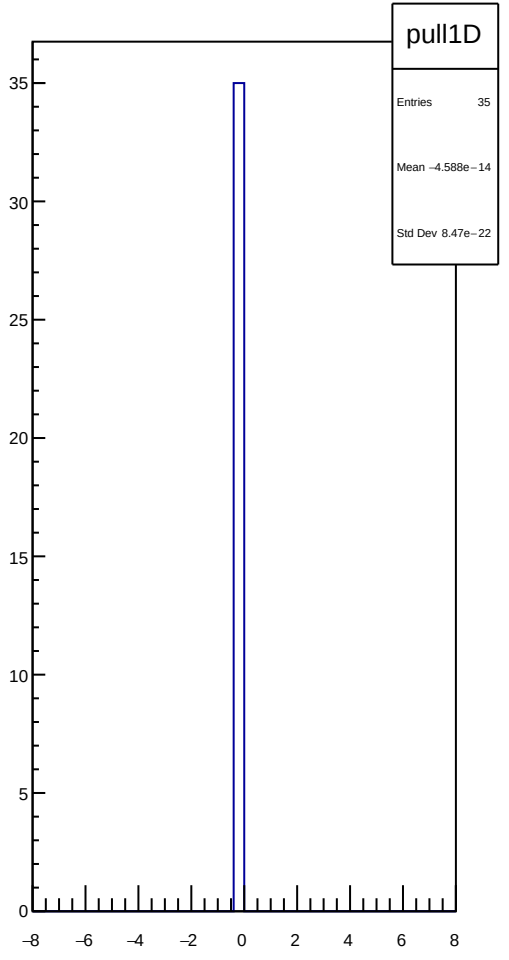

pull1D
Entries 35
Mean 1.959e−15
Std Dev 4.585e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

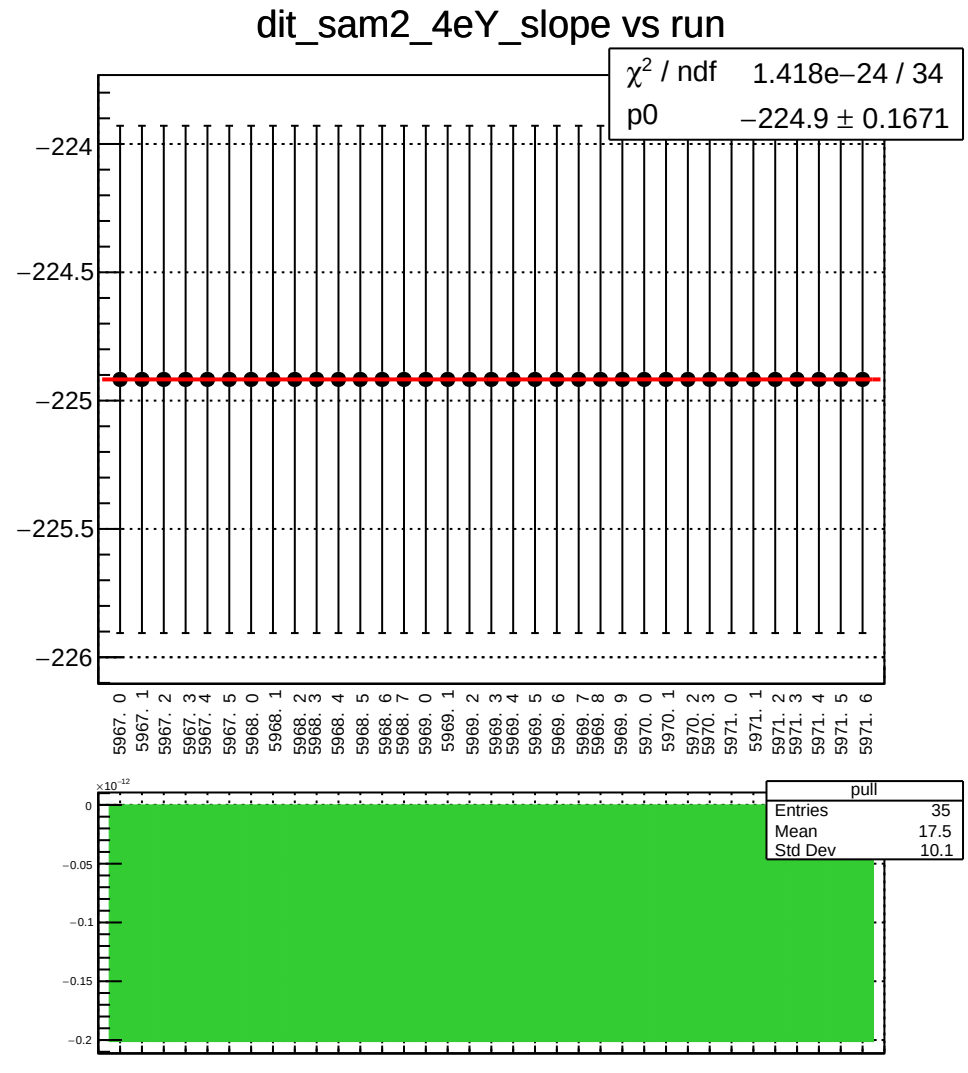

dit_sam2_4eX_slope vs run
χ² / ndf 9.795e−26 / 34
p0 −240.9 ± 0.7265
−236
−238
−240
−242
−244
−246
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 35
Mean 17.5
Std Dev 10.1

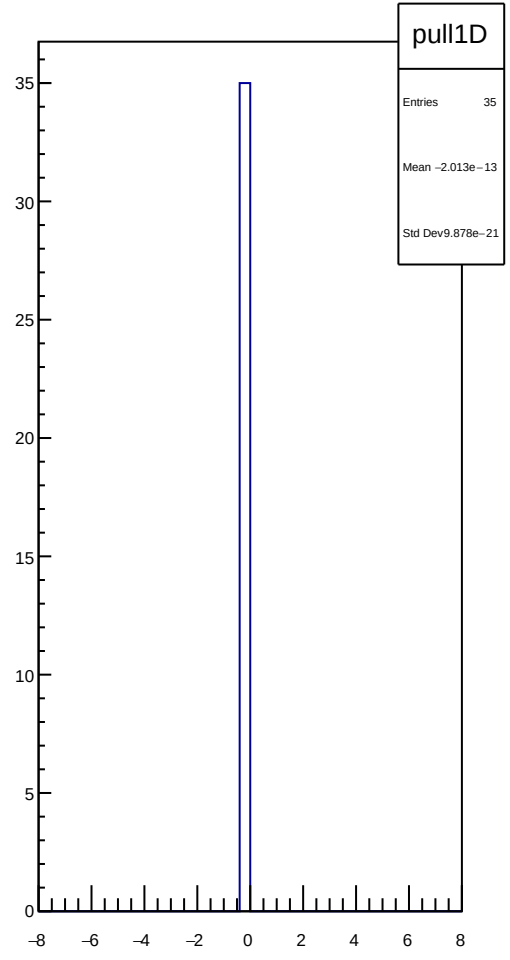

pull1D
Entries 35
Mean −5.29e−14
Std Dev 2.47e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

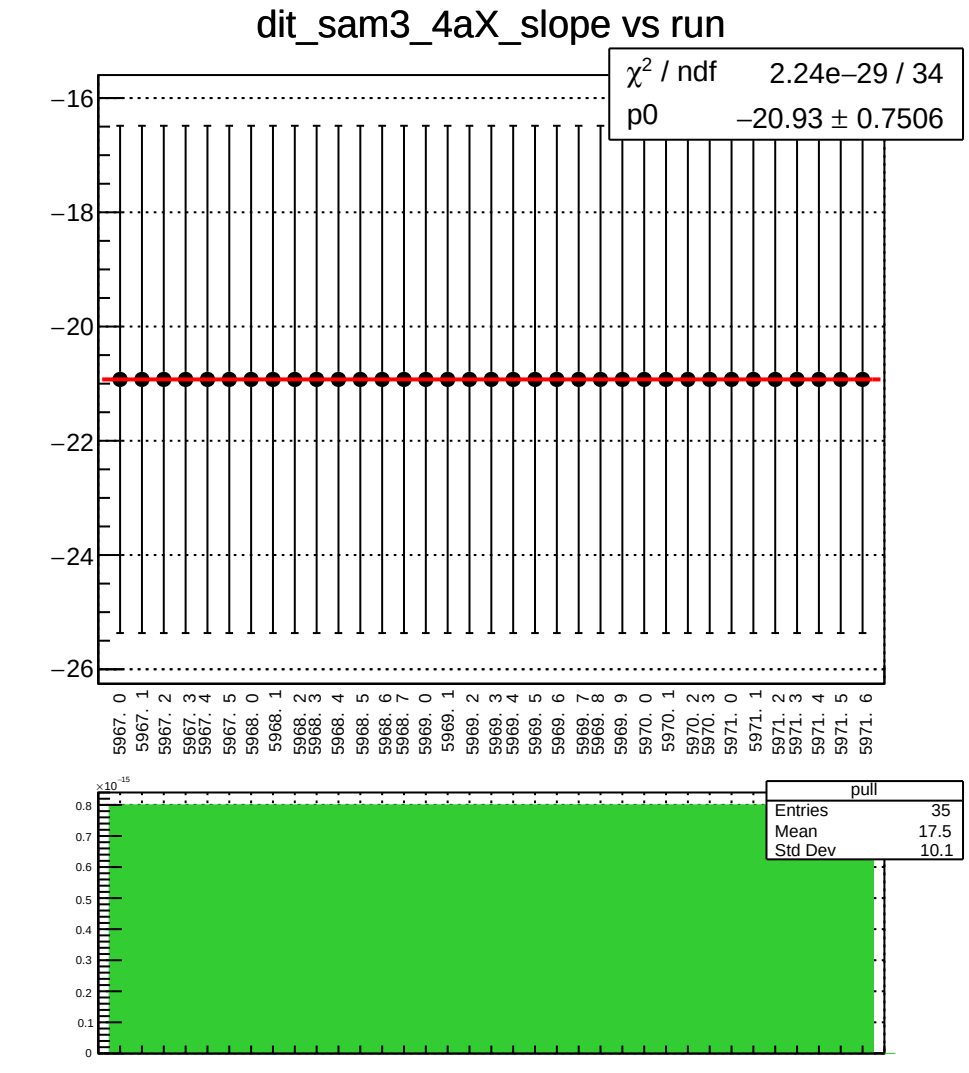

dit_sam2_11X12X_slope vs run
χ² / ndf 2.209e−30 / 34
p0 1.112 ± 0.1494
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −2.512e−16
Std Dev1.046e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

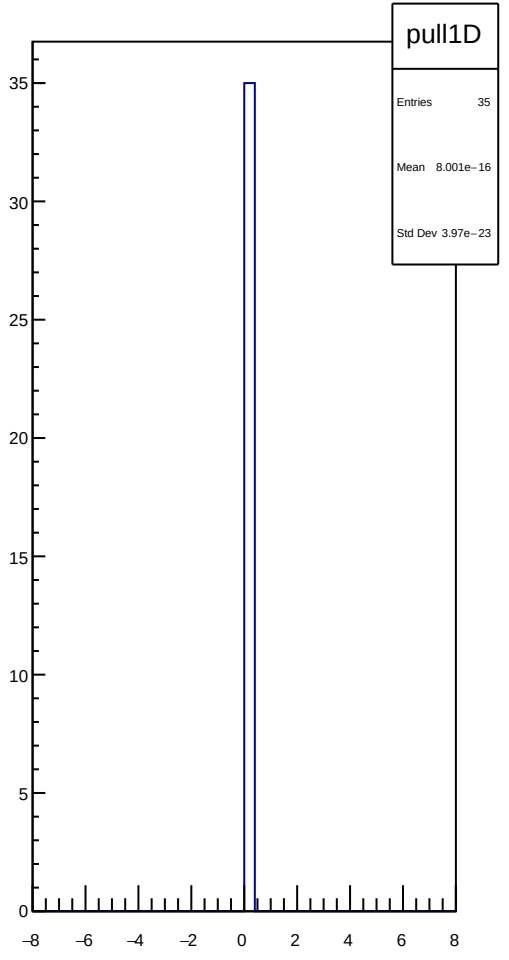

dit_sam2_4aY_slope vs run
χ² / ndf 7.369e−26 / 34
p0 18.02 ± 0.05235
18.3
18.2
18.1
18
17.9
17.8
17.7
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−10
−20
−30
−40
pull
Entries 35
Mean 17.5
Std Dev 10.1

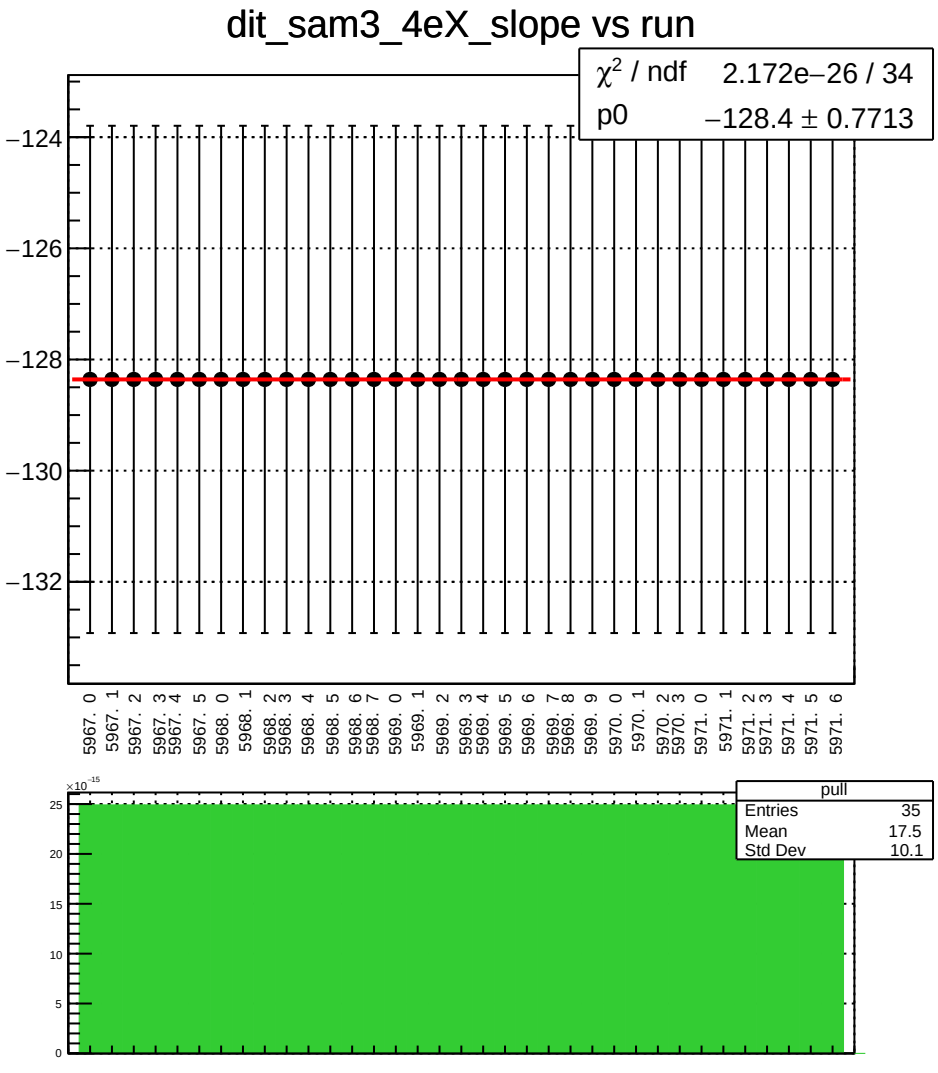

pull1D
Entries 35
Mean −4.588e−14
Std Dev 8.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

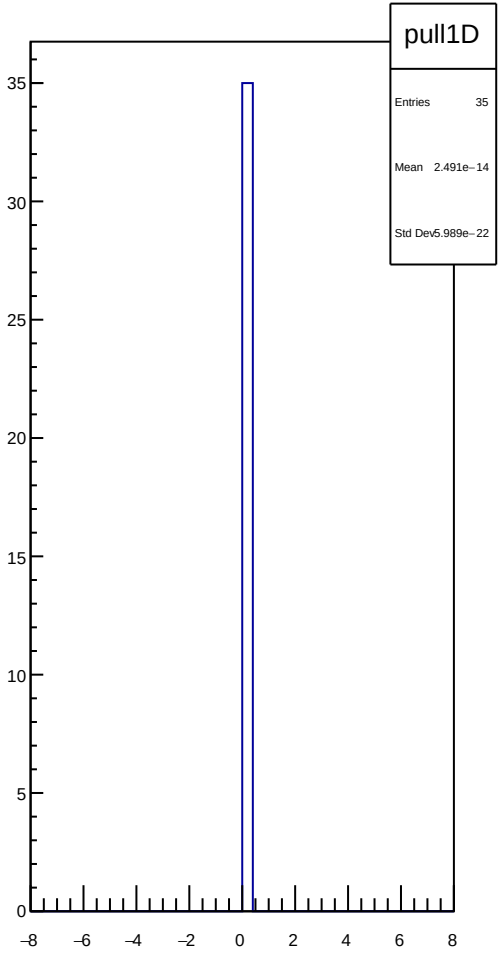

dit_sam2_4eY_slope vs run
χ² / ndf 1.418e−24 / 34
p0 −224.9 ± 0.1671
−224
−224.5
−225
−225.5
−226
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 35
Mean 17.5
Std Dev 10.1

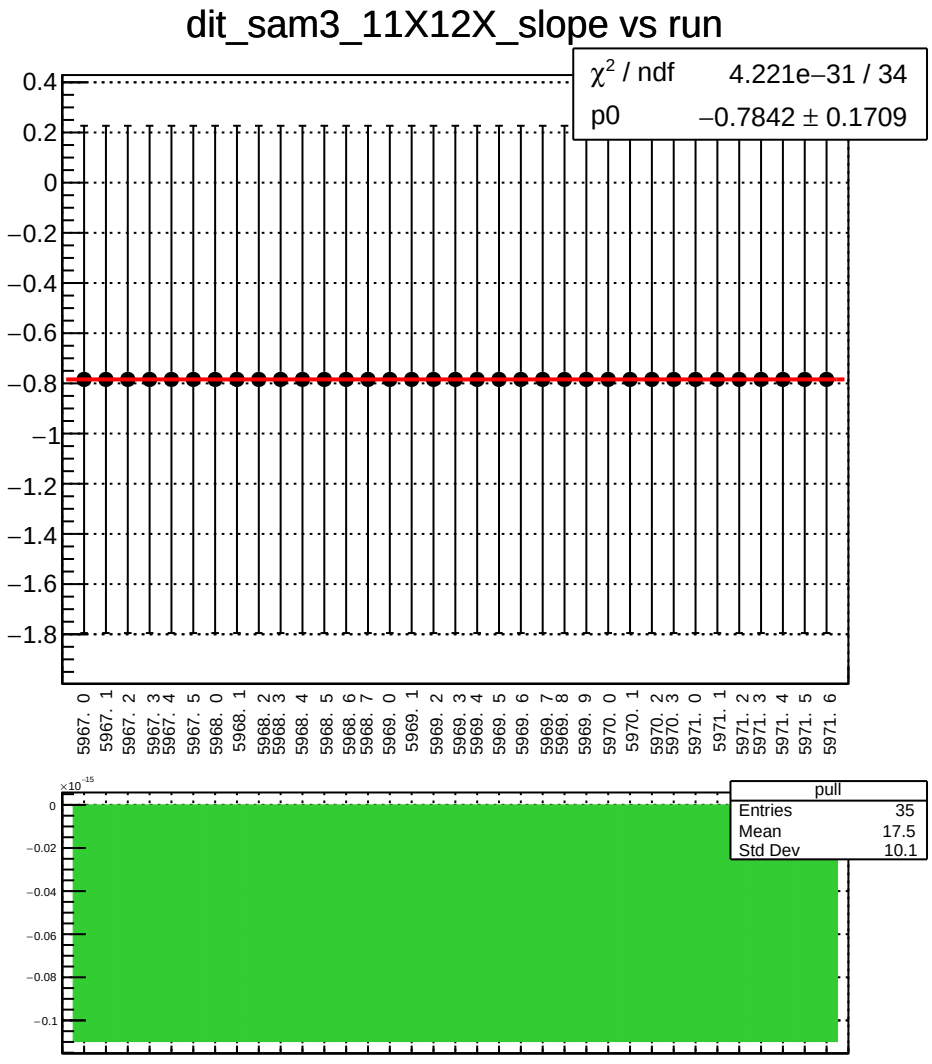

pull1D
Entries 35
Mean −2.013e−13
Std Dev9.878e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

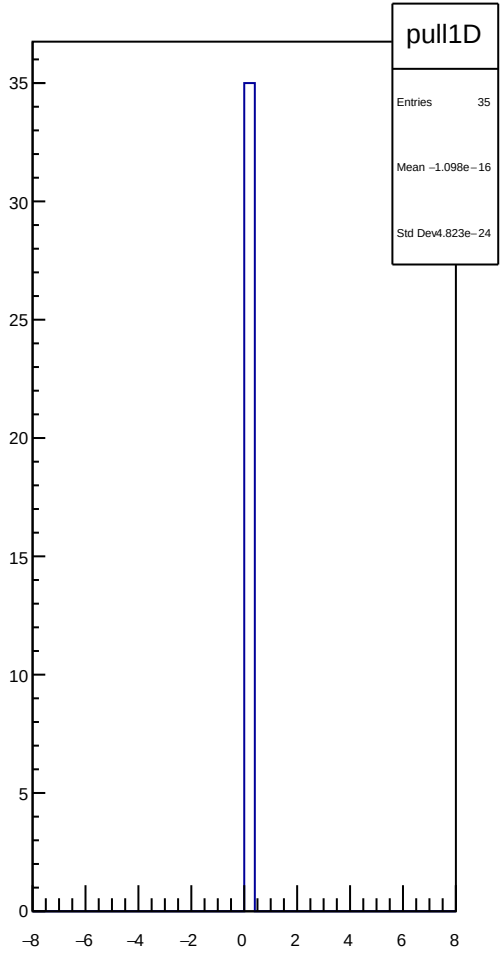

dit_sam3_4aX_slope vs run
χ² / ndf 2.24e−29 / 34
p0 −20.93 ± 0.7506
−16
−18
−20
−22
−24
−26
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

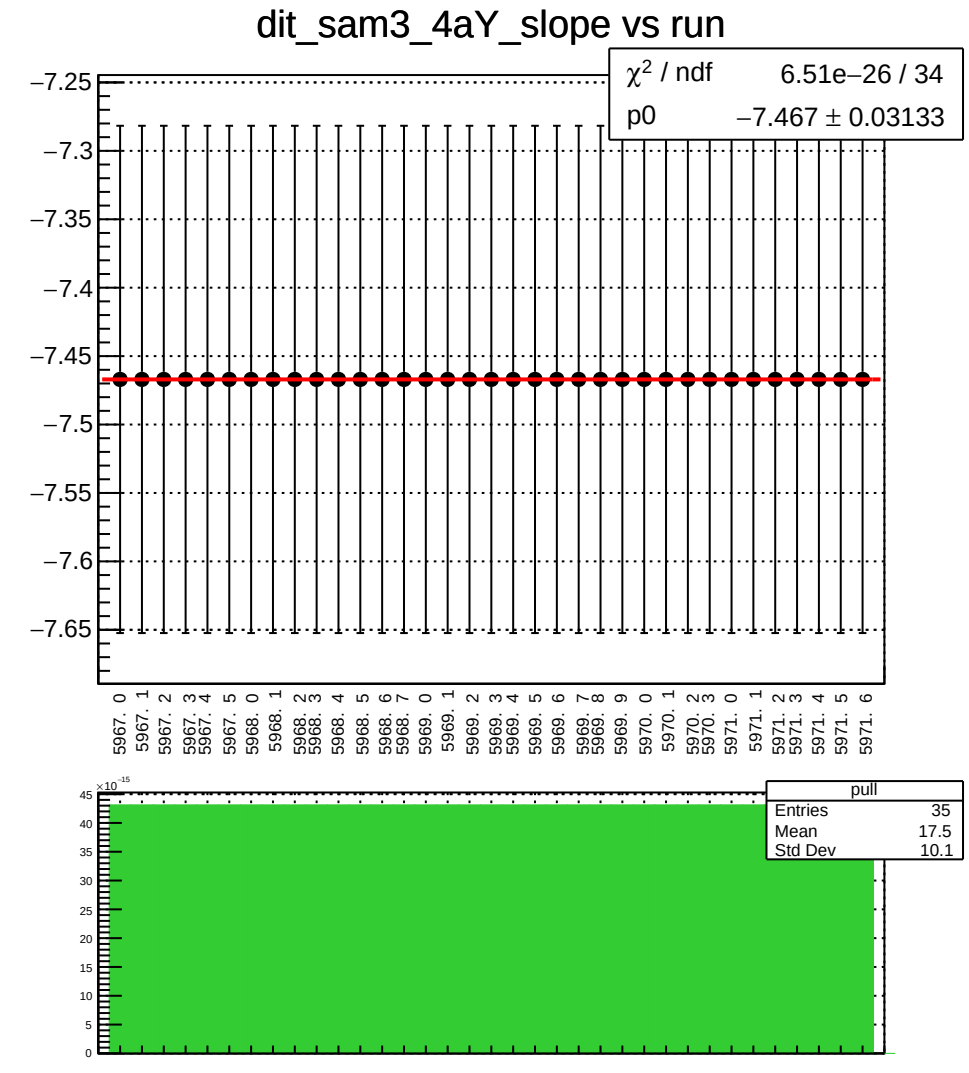

pull1D
Entries 35
Mean 8.001e−16
Std Dev 3.97e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

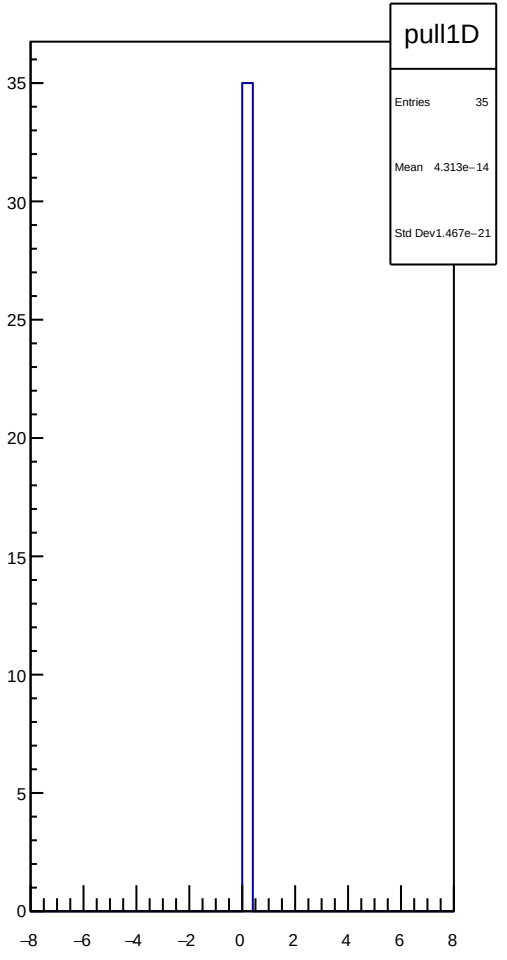

dit_sam3_4eX_slope vs run
χ² / ndf 2.172e−26 / 34
p0 −128.4 ± 0.7713
−124
−126
−128
−130
−132
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

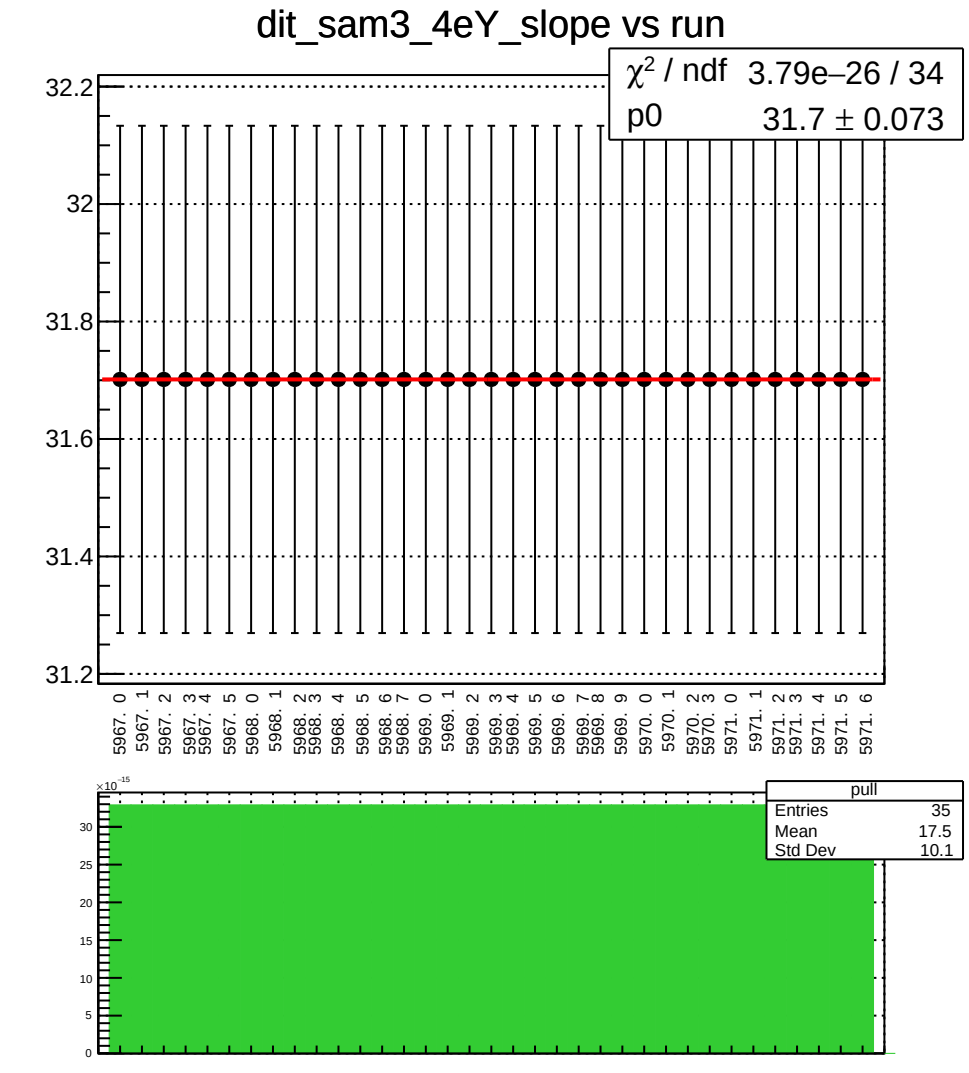

pull1D
Entries 35
Mean 2.491e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

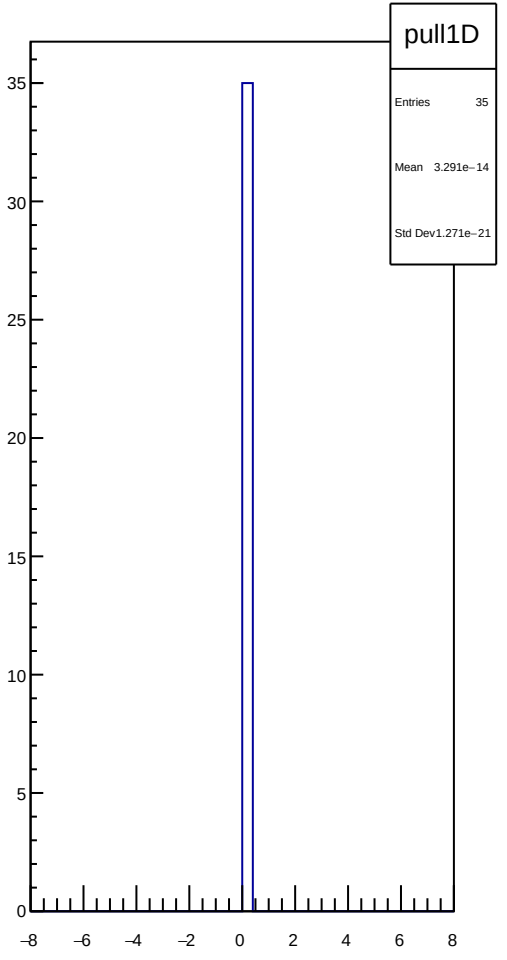

dit_sam3_11X12X_slope vs run
χ² / ndf 4.221e−31 / 34
p0 −0.7842 ± 0.1709
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 35
Mean 17.5
Std Dev 10.1

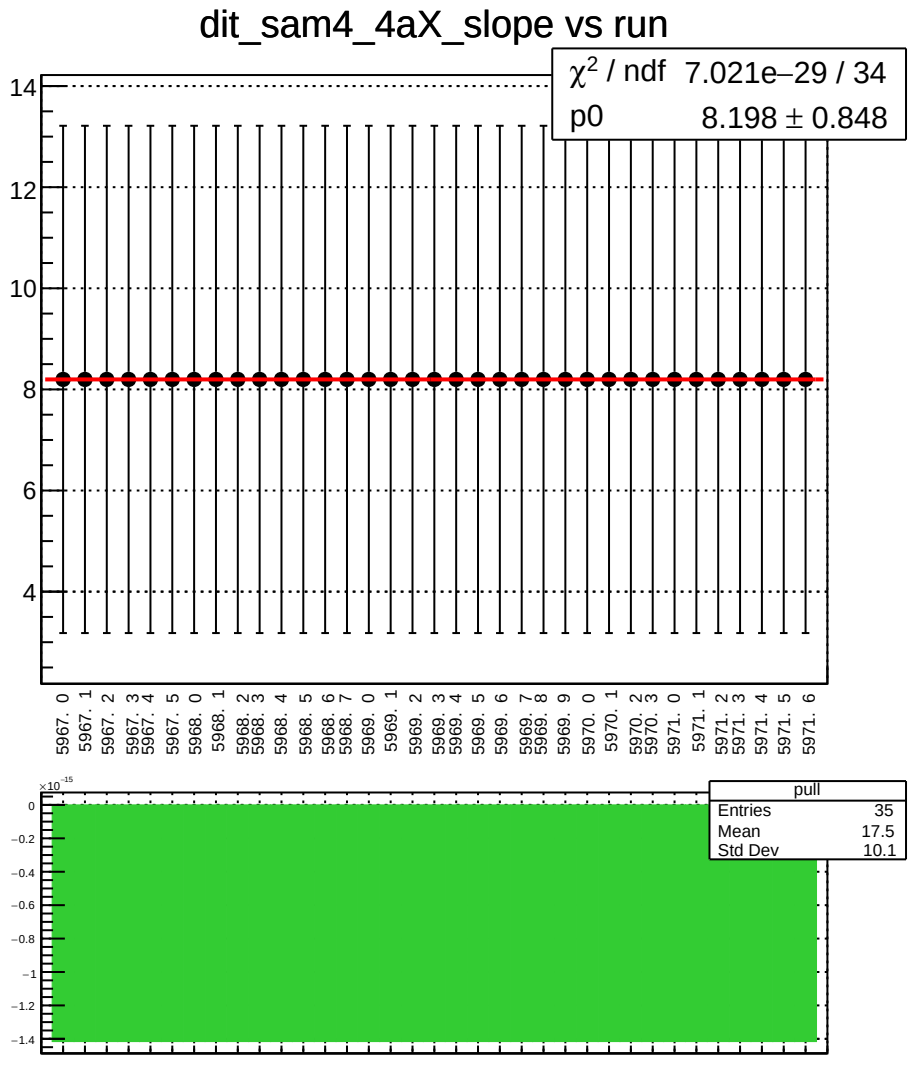

pull1D
Entries 35
Mean −1.098e−16
Std Dev4.823e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

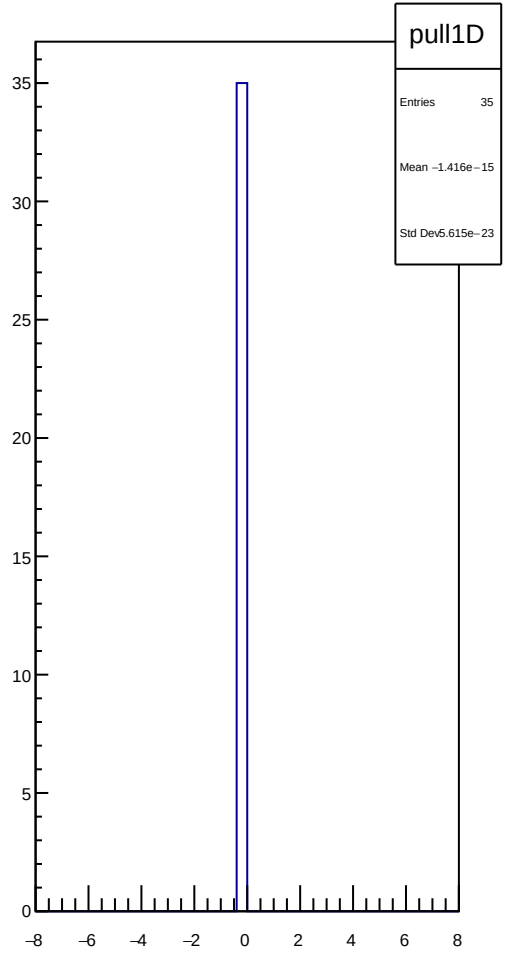

dit_sam3_4aY_slope vs run
χ² / ndf 6.51e−26 / 34
p0 −7.467 ± 0.03133
−7.25
−7.3
−7.35
−7.4
−7.45
−7.5
−7.55
−7.6
−7.65
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

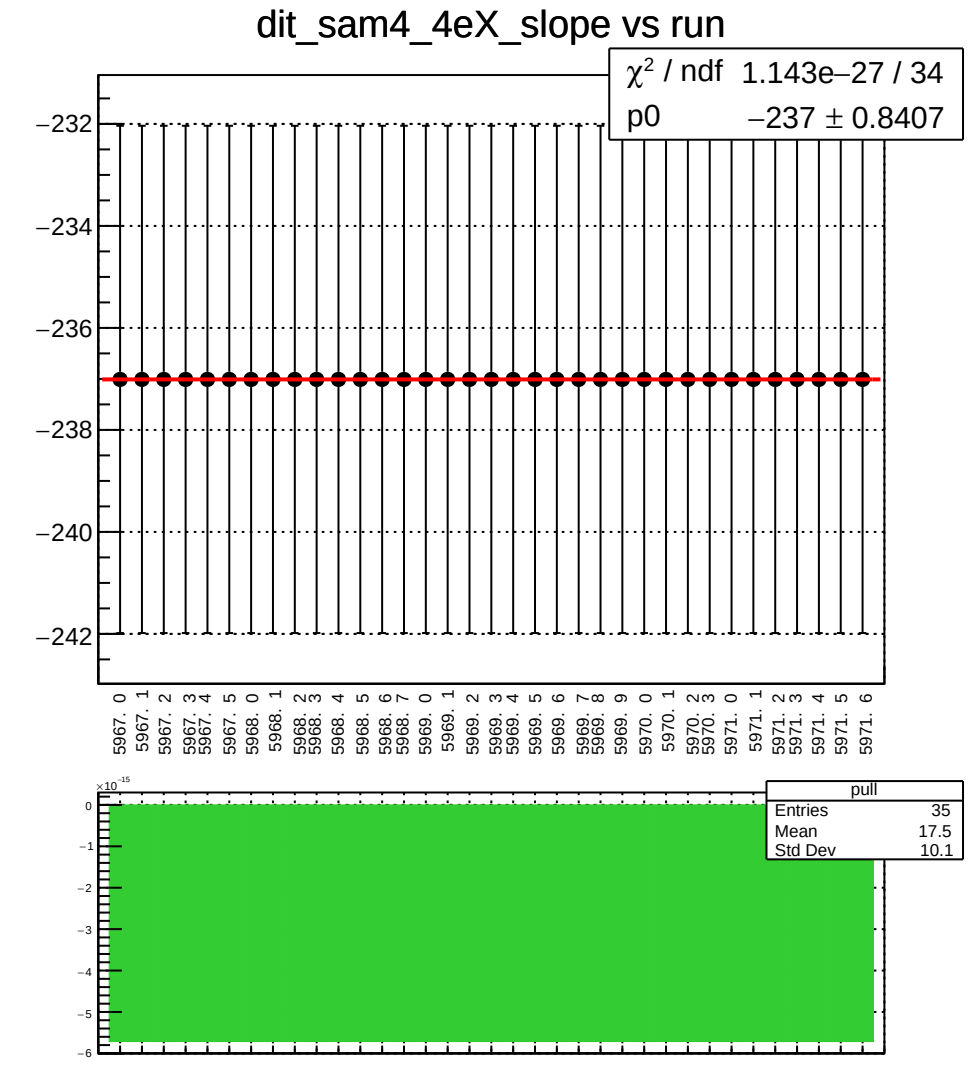

pull1D
Entries 35
Mean 4.313e−14
Std Dev1.467e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

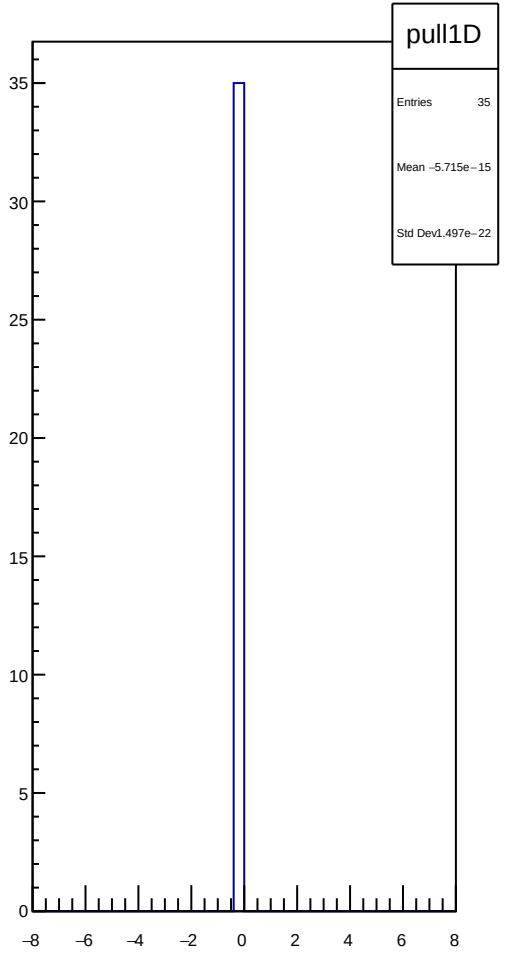

dit_sam3_4eY_slope vs run
χ² / ndf 3.79e−26 / 34
p0 31.7 ± 0.073
32.2
32
31.8
31.6
31.4
31.2
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

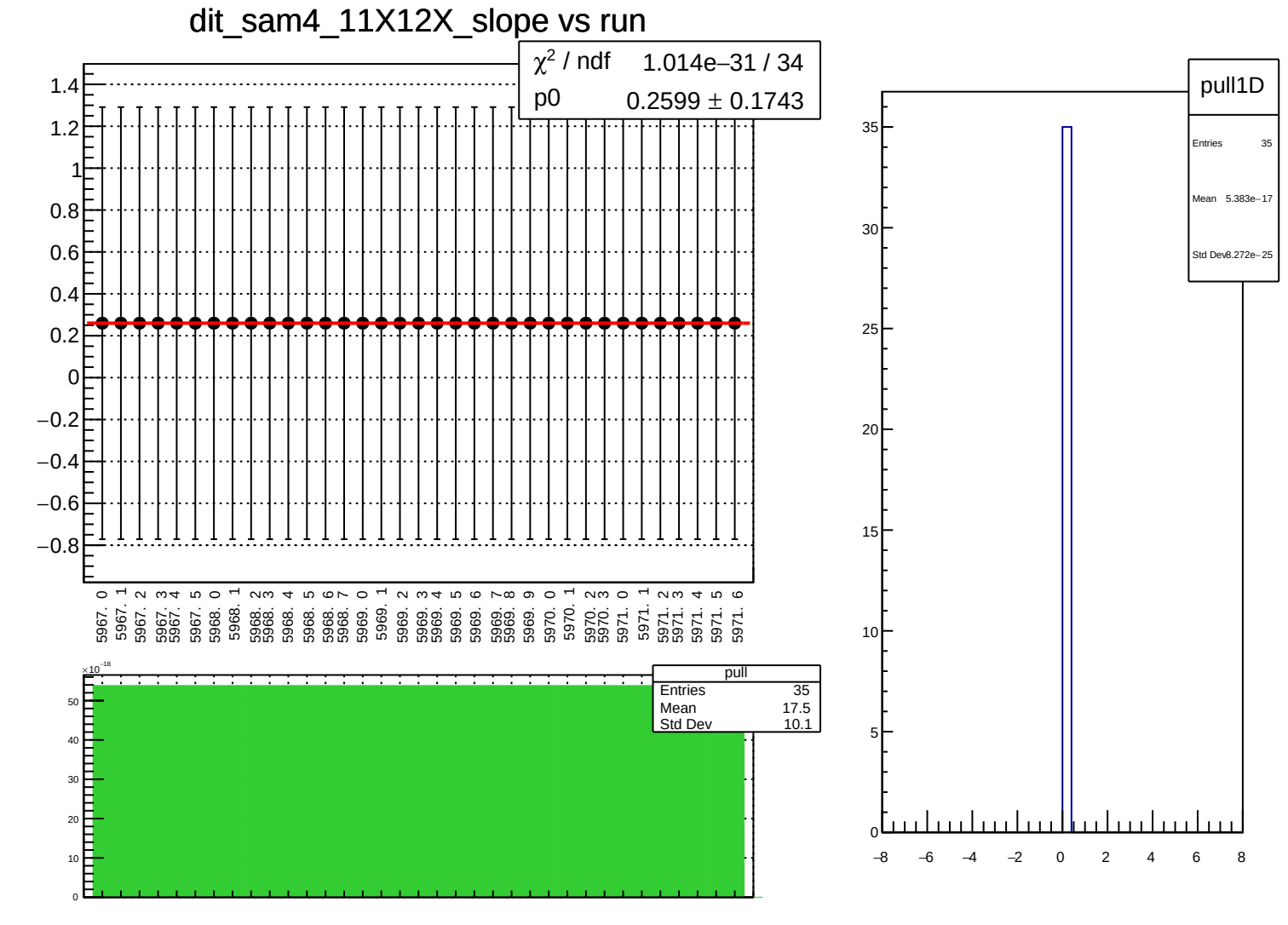

pull1D
Entries 35
Mean 3.291e−14
Std Dev1.271e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

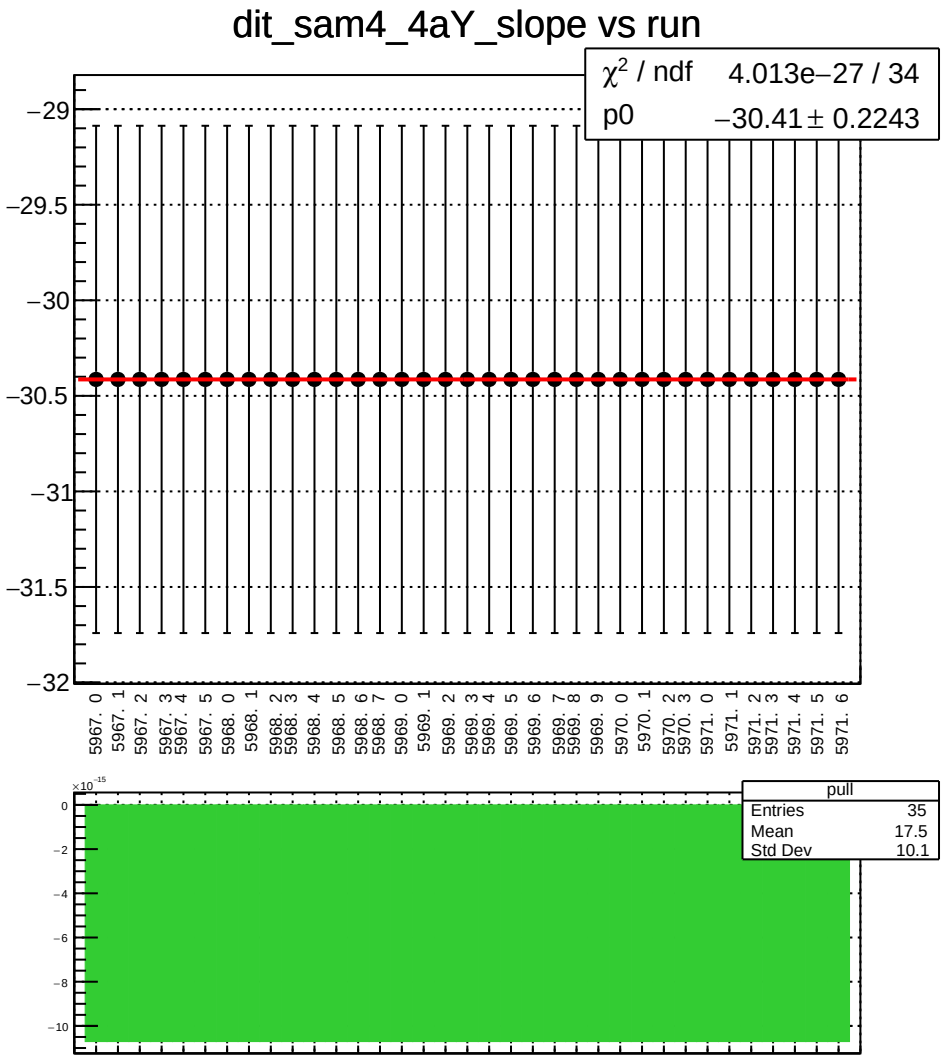

dit_sam4_4aX_slope vs run
χ² / ndf 7.021e−29 / 34
p0 8.198 ± 0.848
14
12
10
8
6
4
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull
Entries 35
Mean 17.5
Std Dev 10.1

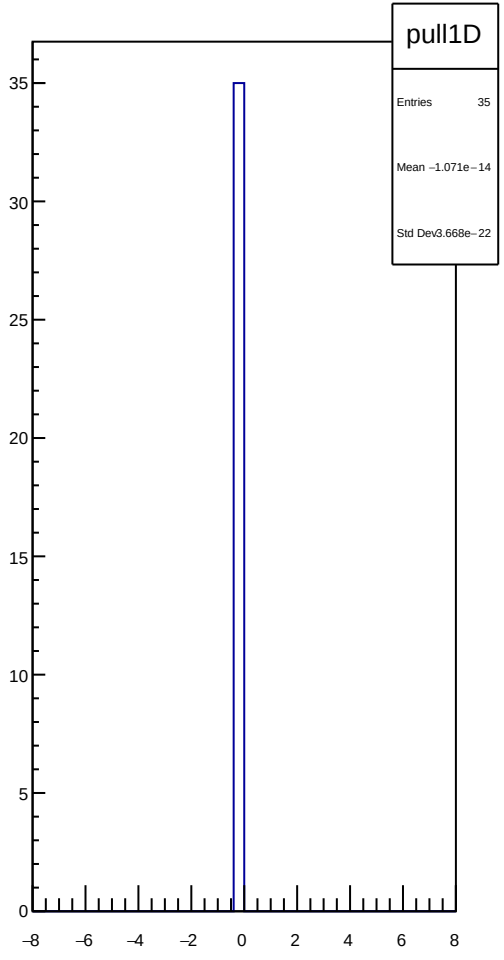

pull1D
Entries 35
Mean −1.416e−15
Std Dev5.615e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

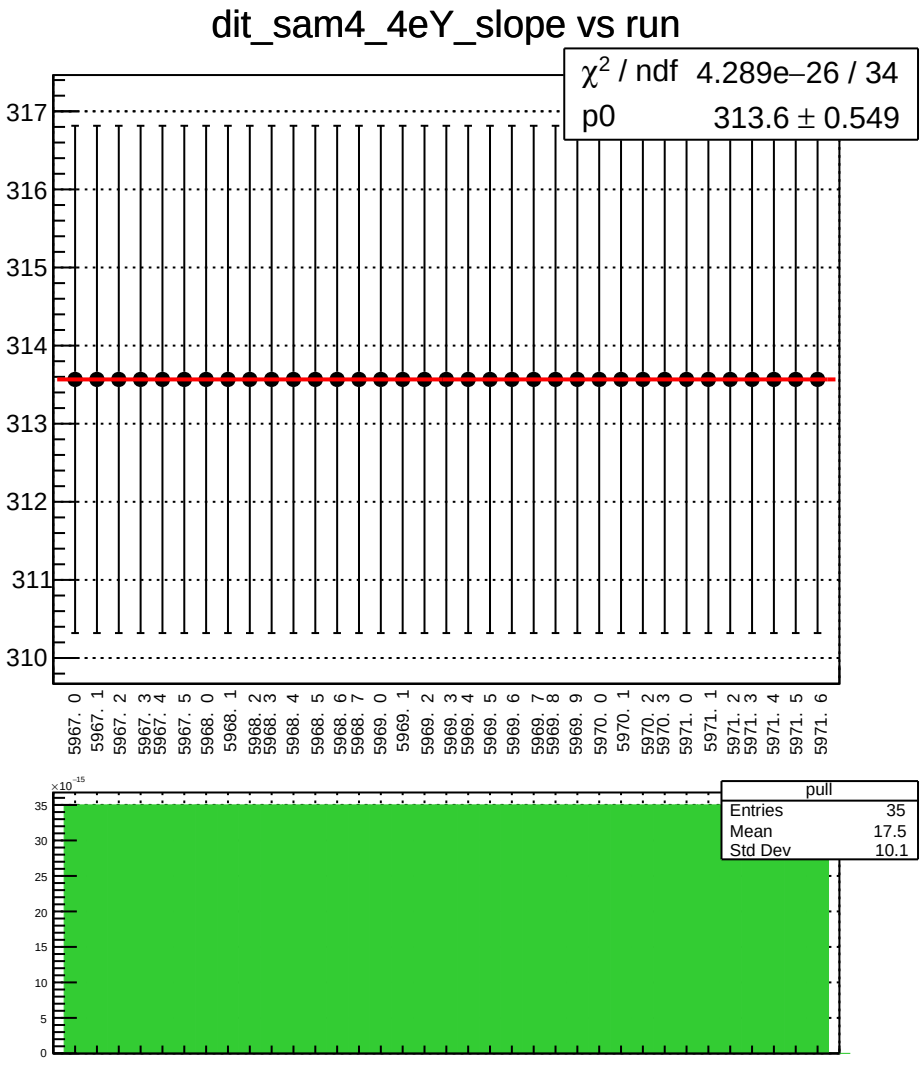

dit_sam4_4eX_slope vs run
χ² / ndf 1.143e−27 / 34
p0 −237 ± 0.8407
−232
−234
−236
−238
−240
−242
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 35
Mean 17.5
Std Dev 10.1

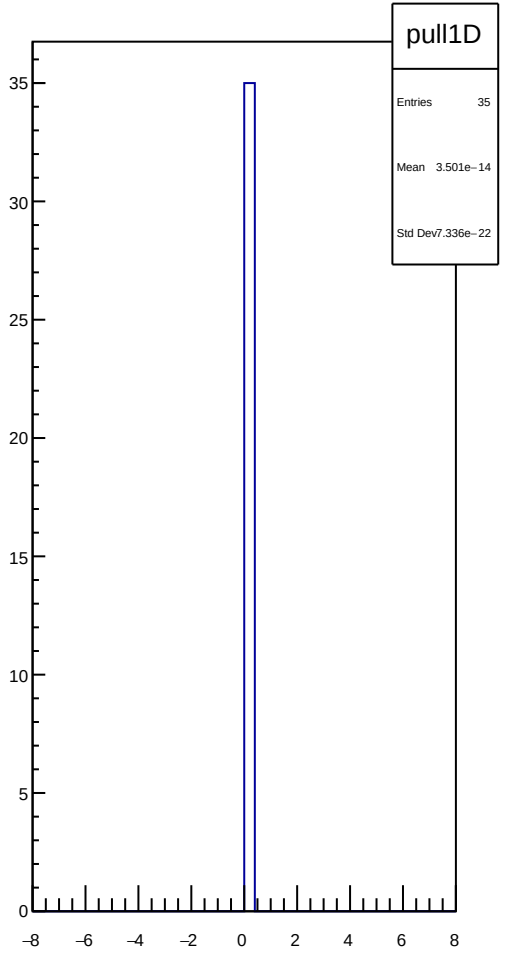

pull1D
Entries 35
Mean −5.715e−15
Std Dev1.497e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

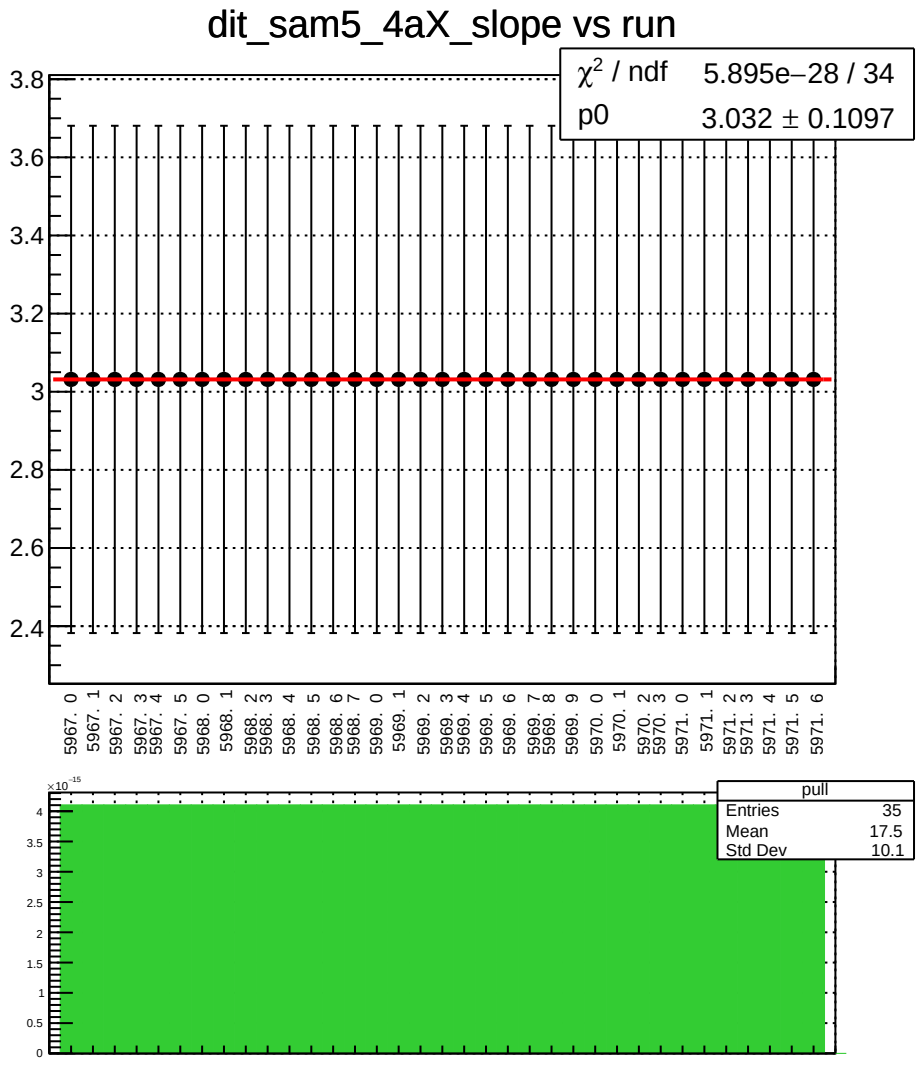

dit_sam4_11X12X_slope vs run
χ² / ndf 1.014e−31 / 34
p0 0.2599 ± 0.1743
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 5.383e−17
Std Dev 8.272e−25

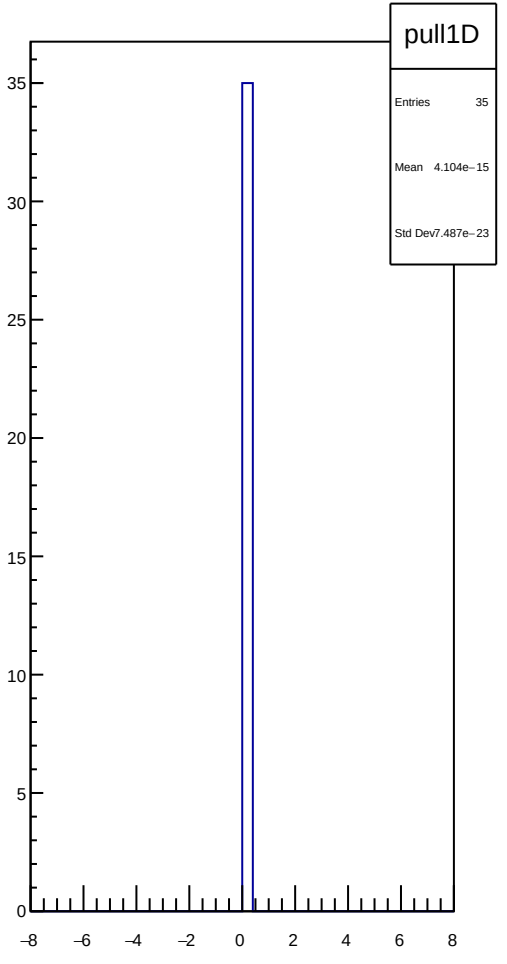

dit_sam4_4aY_slope vs run
χ² / ndf 4.013e−27 / 34
p0 −30.41 ± 0.2243
−29
−29.5
−30
−30.5
−31
−31.5
−32
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 35
Mean 17.5
Std Dev 10.1

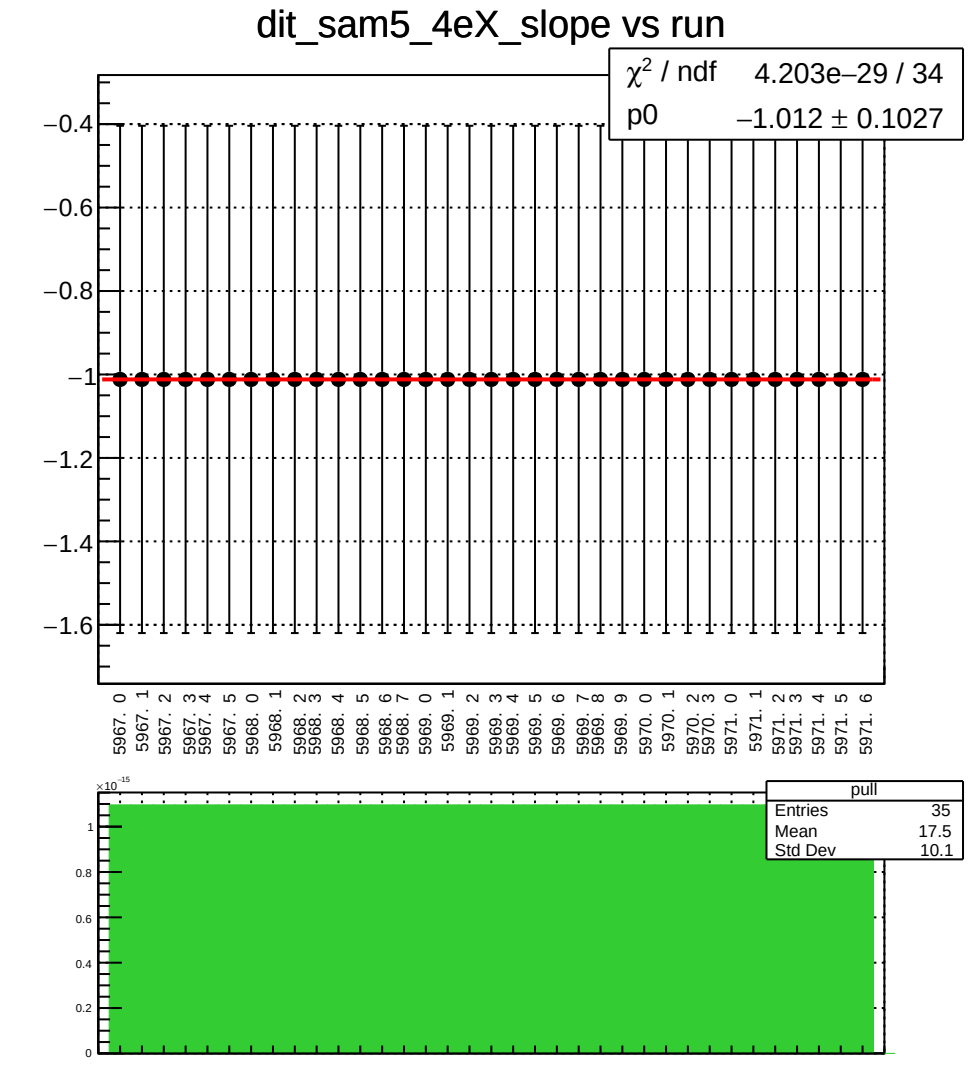

pull1D
Entries 35
Mean −1.071e−14
Std Dev3.668e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

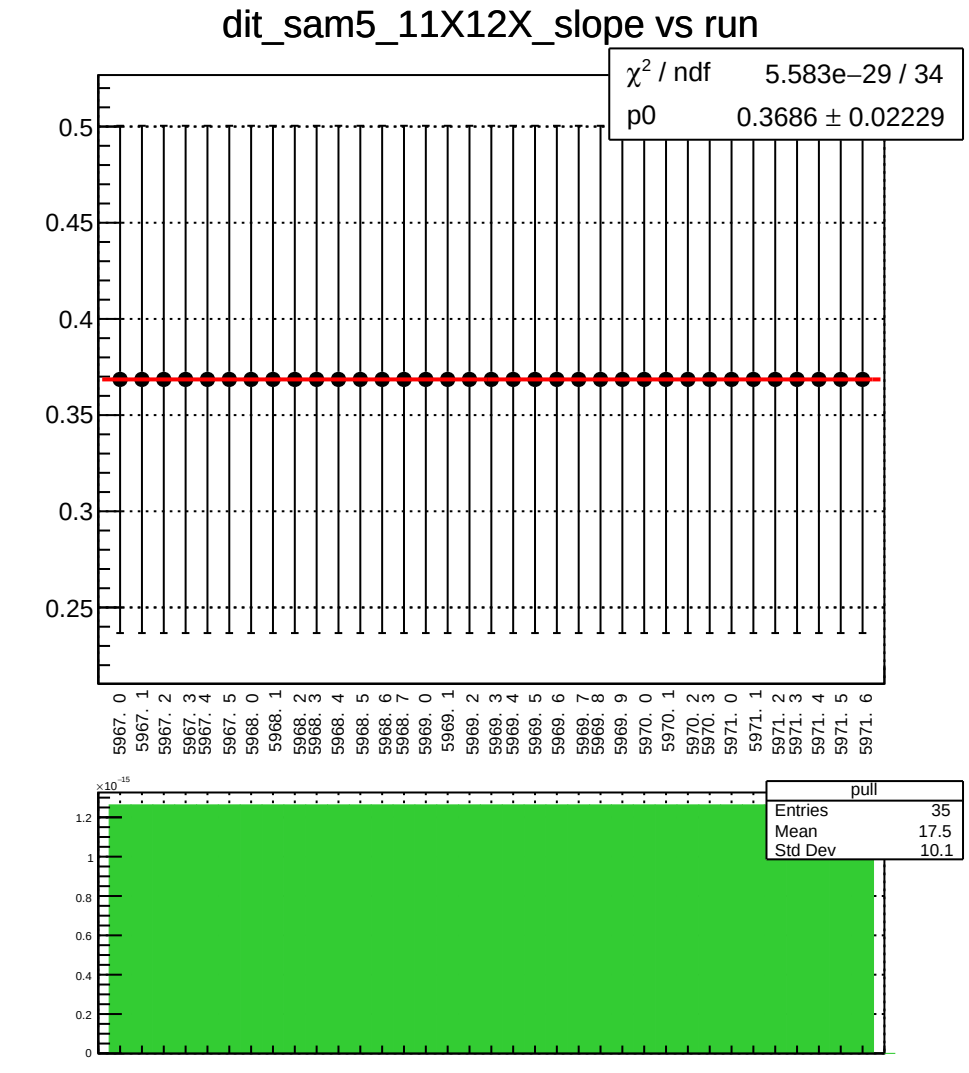

dit_sam4_4eY_slope vs run
χ² / ndf 4.289e−26 / 34
p0 313.6 ± 0.549
317
316
315
314
313
312
311
310
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

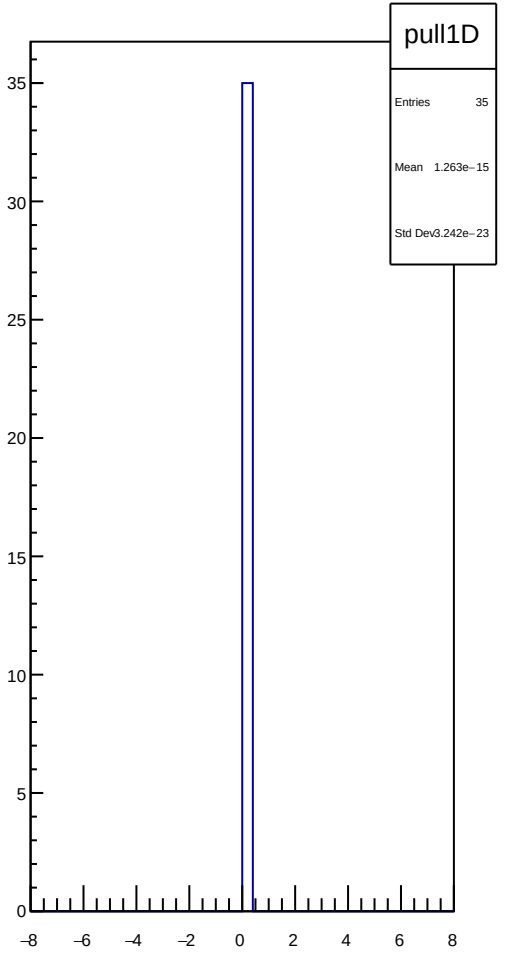

pull1D
Entries 35
Mean 3.501e−14
Std Dev7.336e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

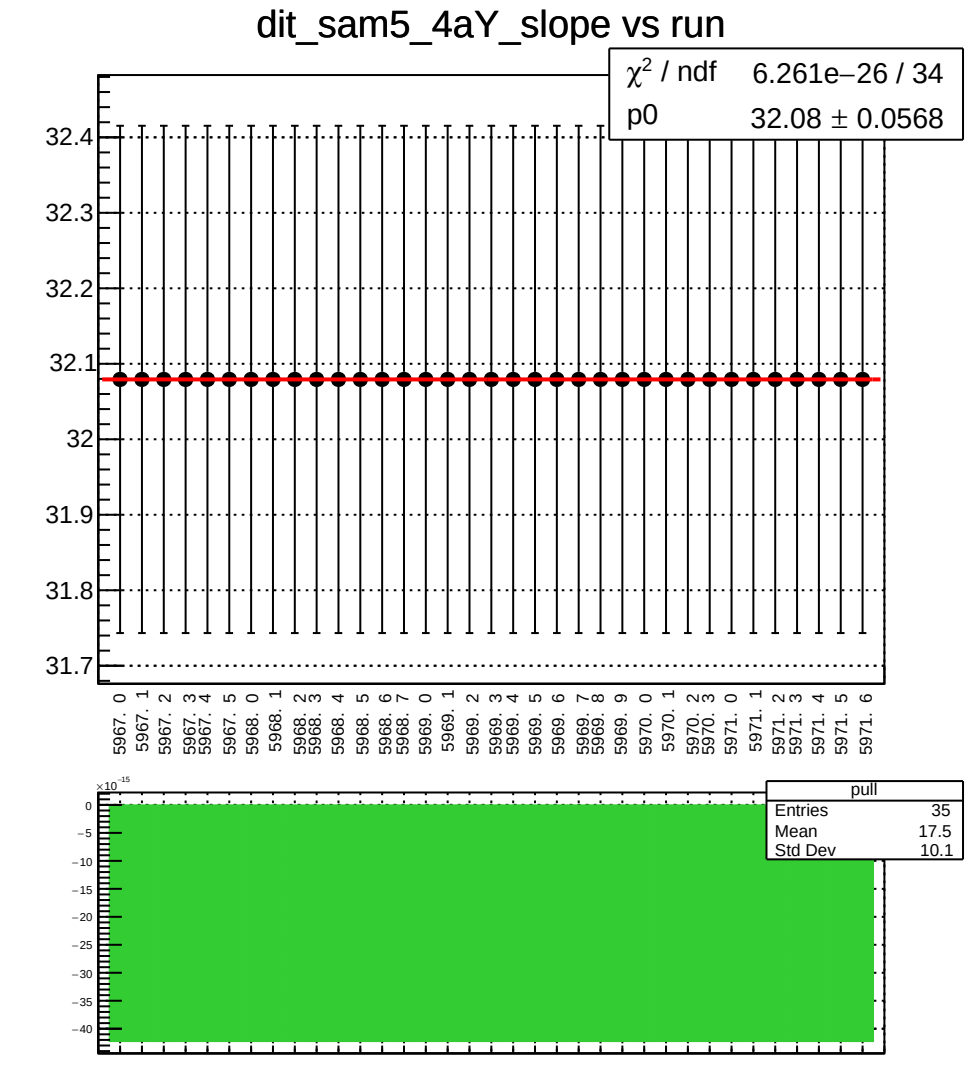

dit_sam5_4aX_slope vs run
χ² / ndf 5.895e−28 / 34
p0 3.032 ± 0.1097
3.8
3.6
3.4
3.2
3
2.8
2.6
2.4
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

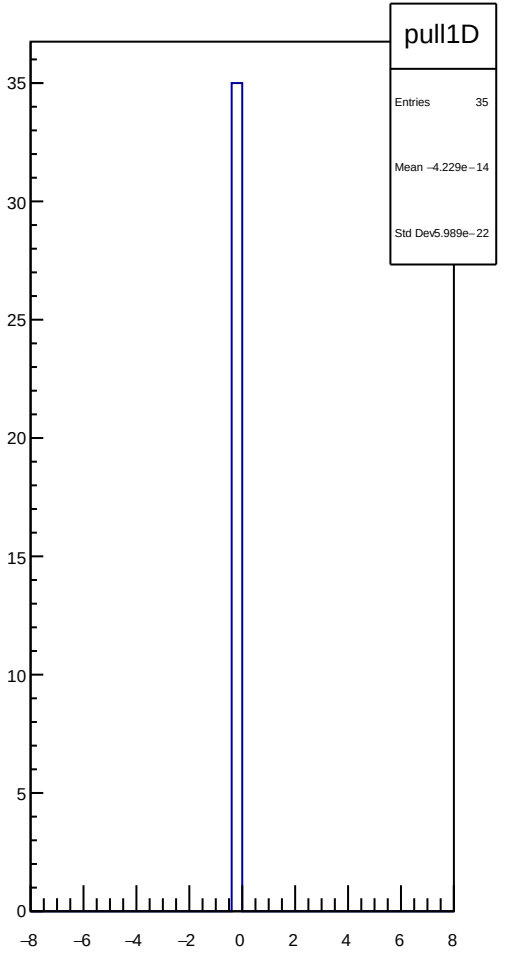

pull1D
Entries 35
Mean 4.104e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

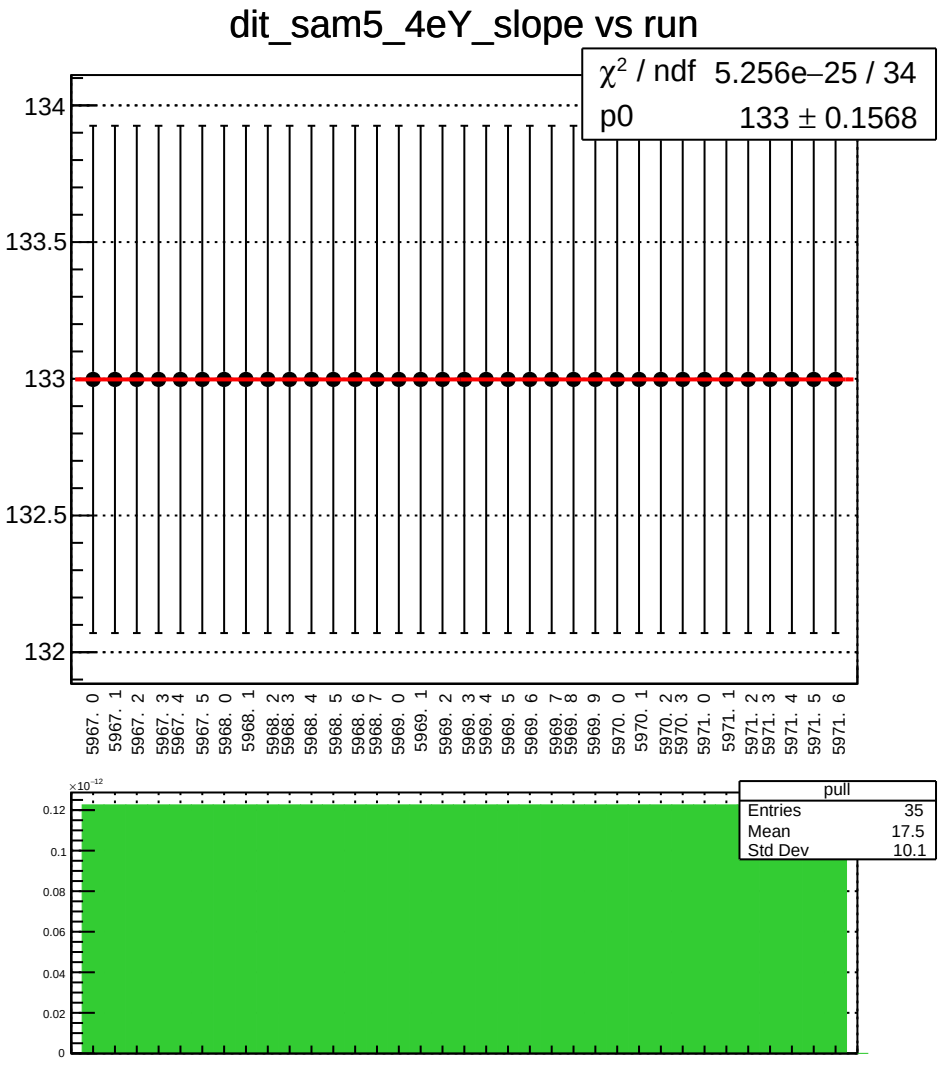

dit_sam5_4eX_slope vs run
χ² / ndf 4.203e−29 / 34
p0 −1.012 ± 0.1027
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 1.096e−15
Std Dev3.743e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

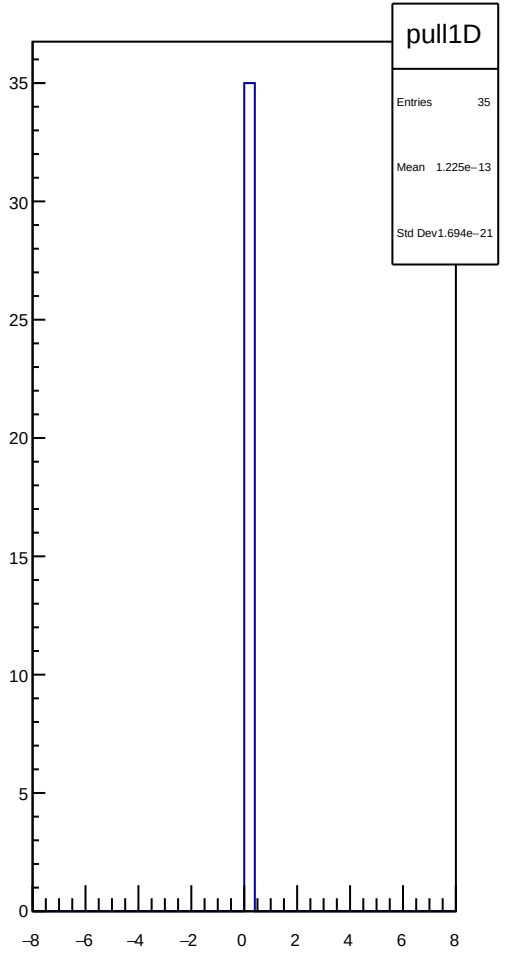

dit_sam5_11X12X_slope vs run
χ² / ndf 5.583e−29 / 34
p0 0.3686 ± 0.02229
0.5
0.45
0.4
0.35
0.3
0.25
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

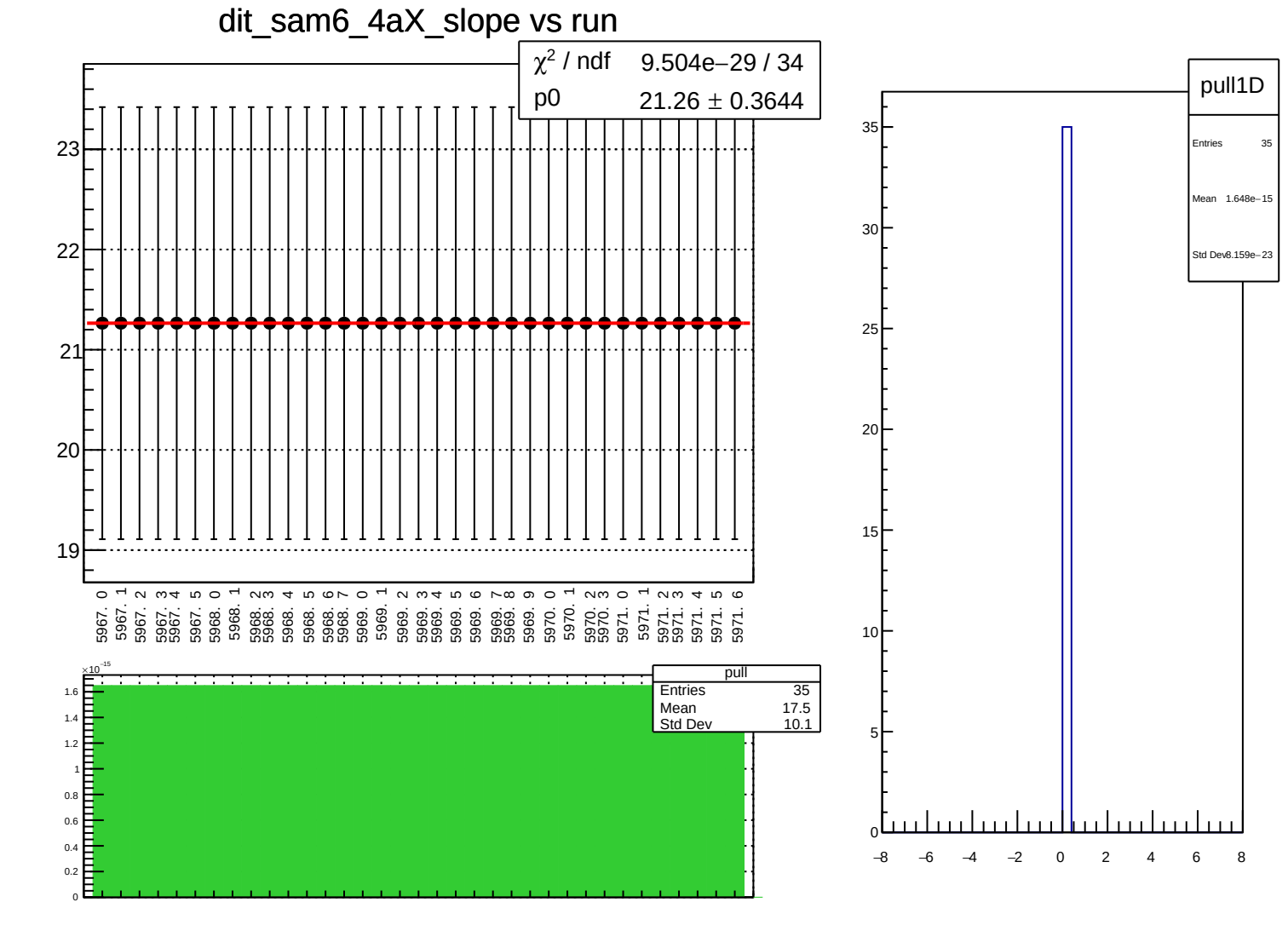

pull1D
Entries 35
Mean 1.263e−15
Std Dev3.242e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

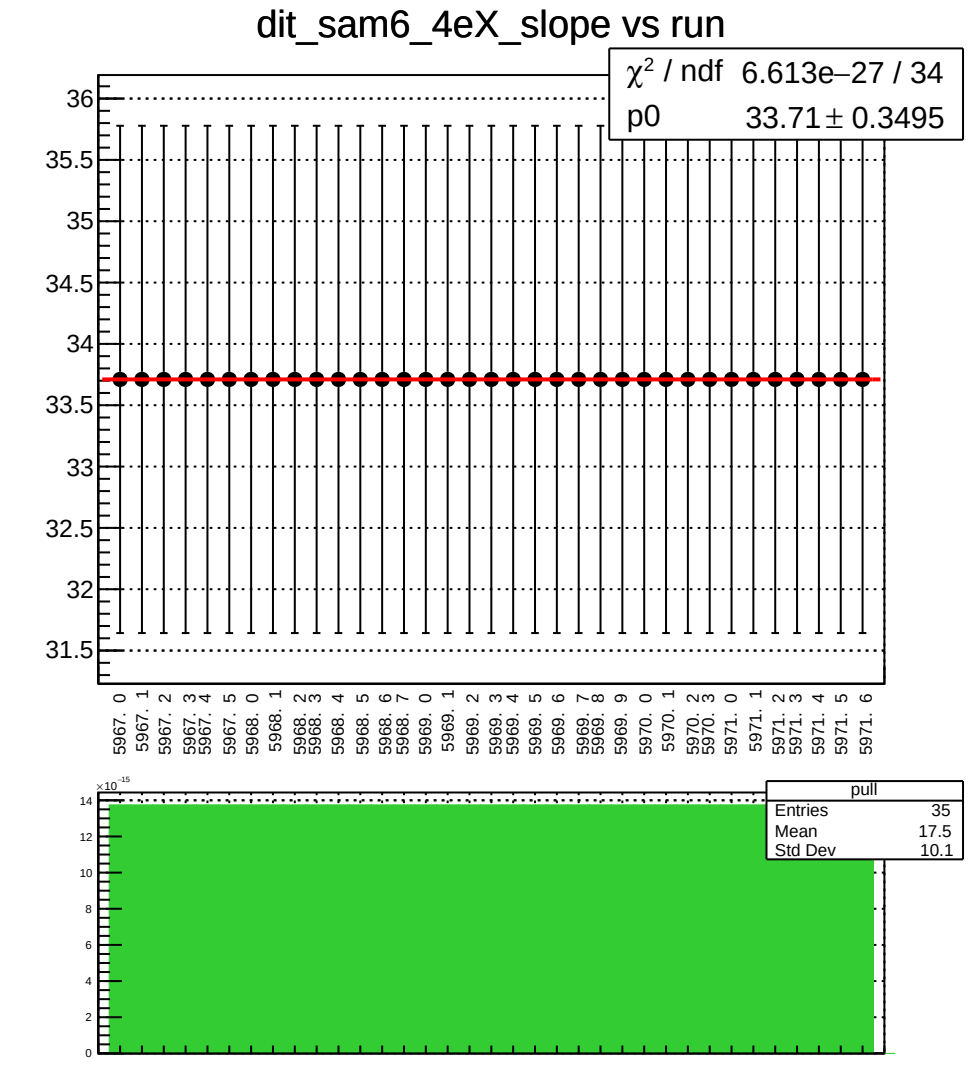

dit_sam5_4aY_slope vs run
χ² / ndf 6.261e−26 / 34
p0 32.08 ± 0.0568
32.4
32.3
32.2
32.1
32
31.9
31.8
31.7
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 35
Mean 17.5
Std Dev 10.1

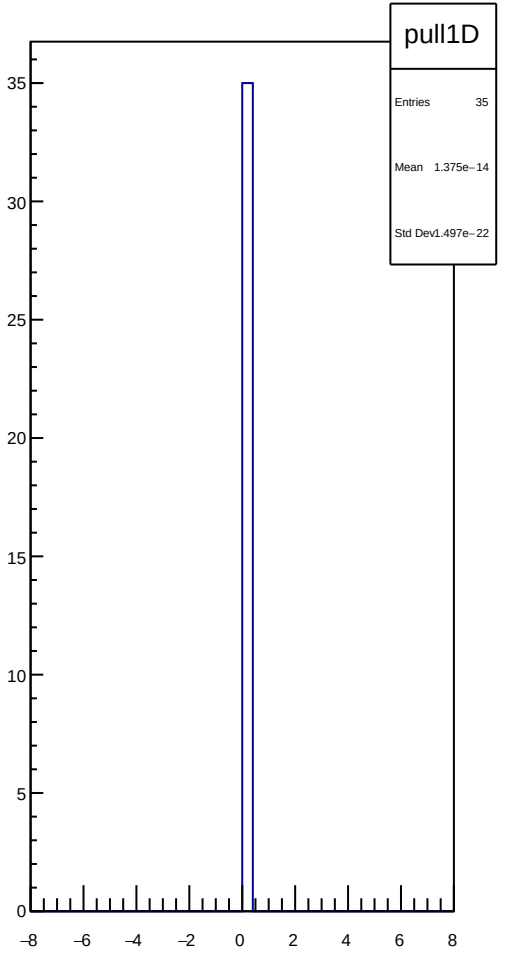

pull1D
Entries 35
Mean −4.229e−14
Std Dev5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

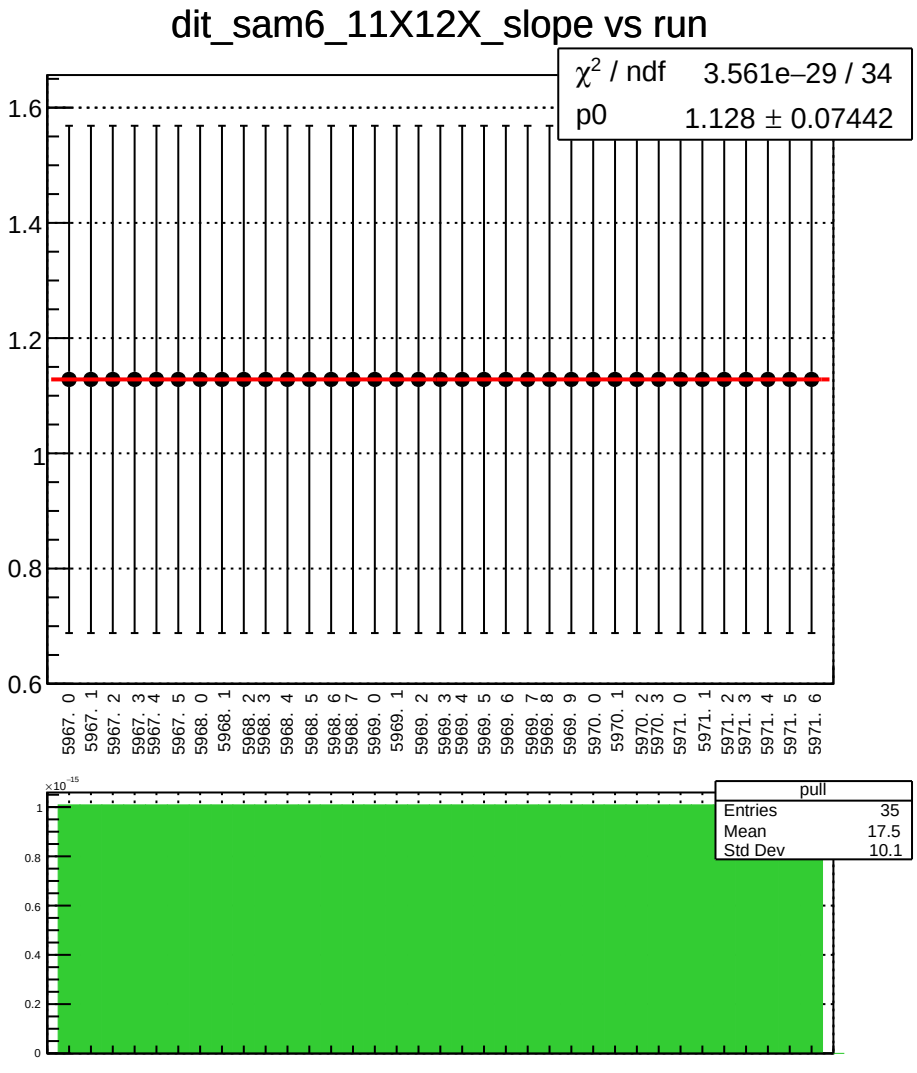

dit_sam5_4eY_slope vs run
χ² / ndf 5.256e−25 / 34
p0 133 ± 0.1568
134
133.5
133
132.5
132
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

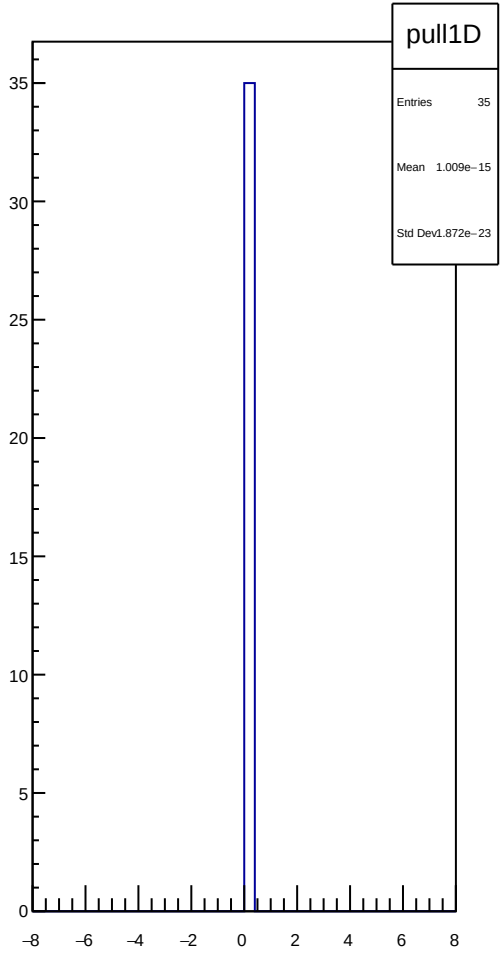

pull1D
Entries 35
Mean 1.225e−13
Std Dev1.694e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

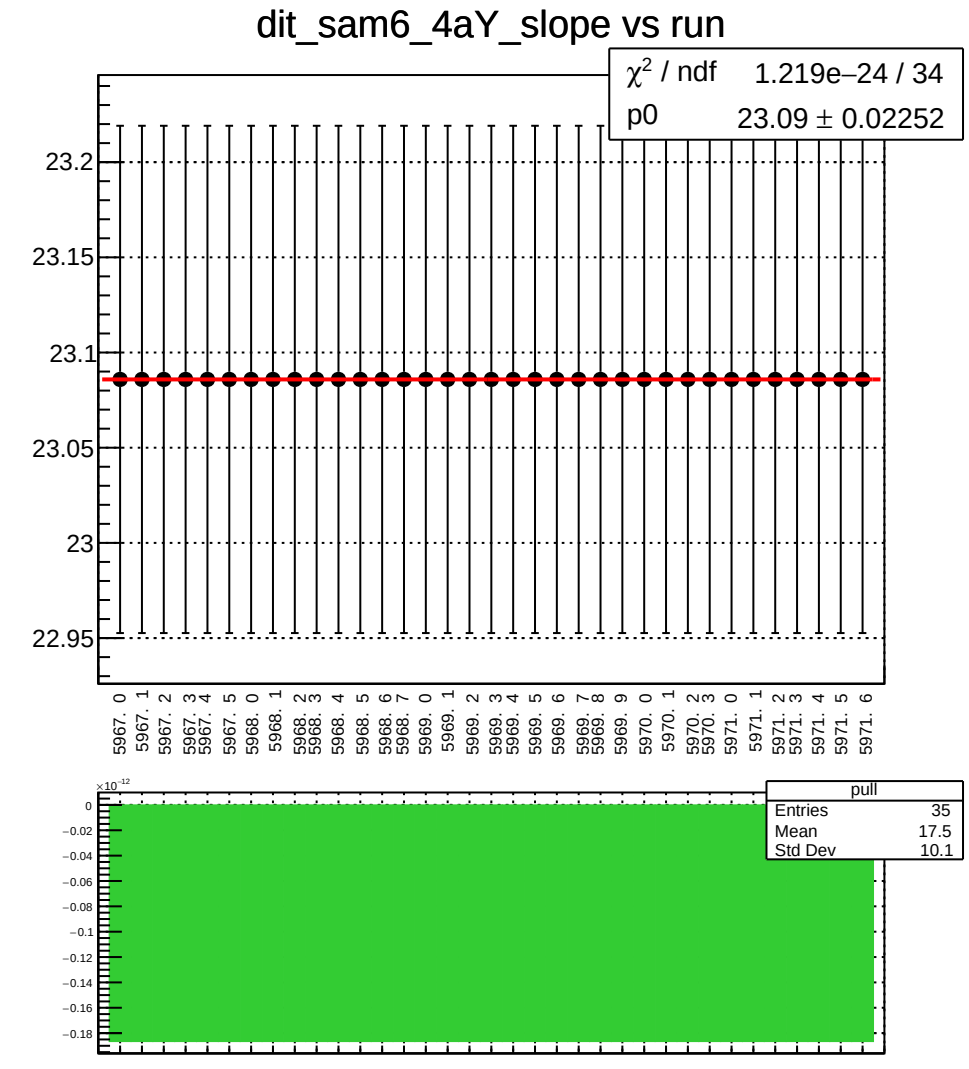

dit_sam6_4aX_slope vs run
χ² / ndf 9.504e−29 / 34
p0 21.26 ± 0.3644
23
22
21
20
19
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 1.648e−15
Std Dev 8.159e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

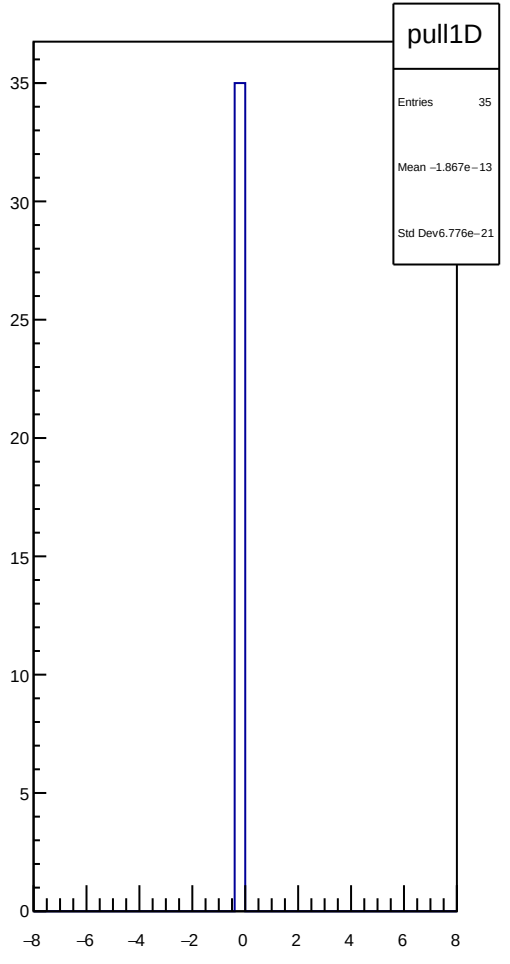

dit_sam6_4eX_slope vs run
χ² / ndf 6.613e−27 / 34
p0 33.71 ± 0.3495
36
35.5
35
34.5
34
33.5
33
32.5
32
31.5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

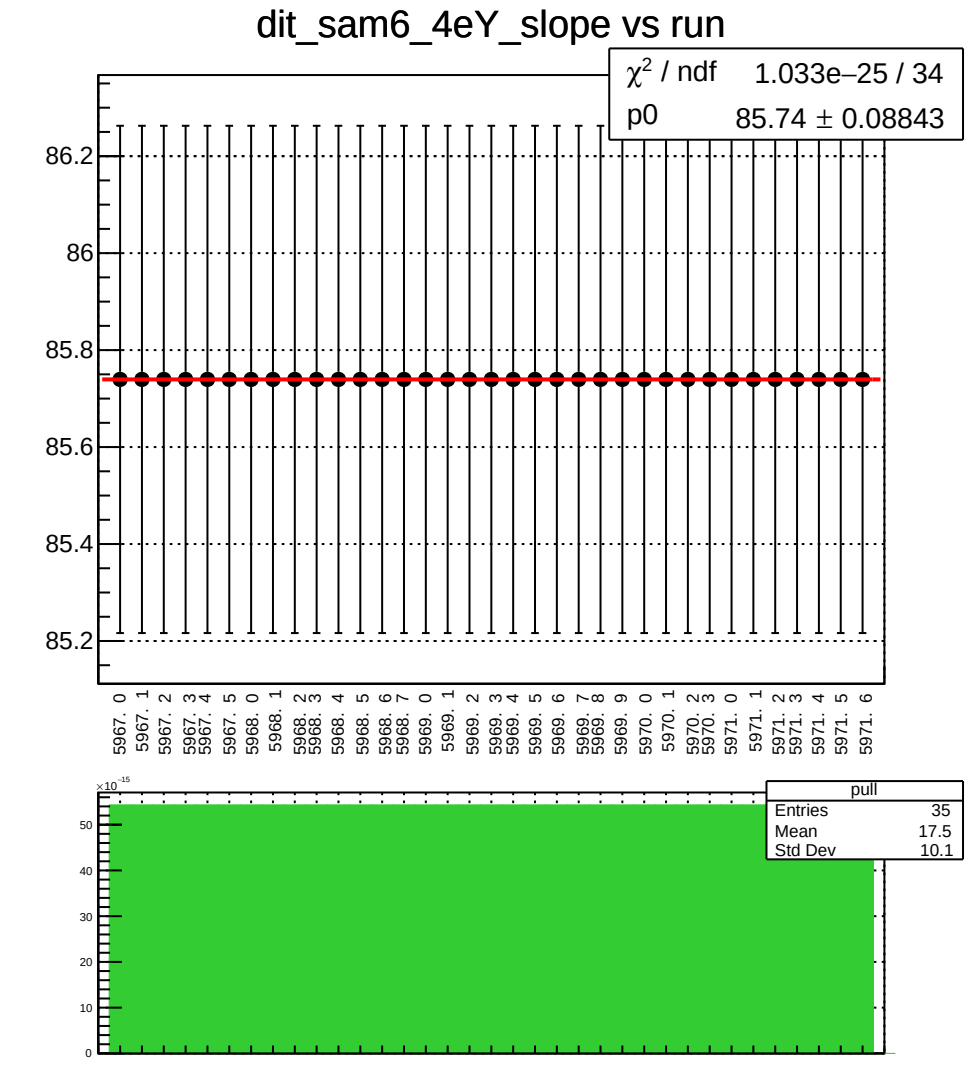

pull1D
Entries 35
Mean 1.375e−14
Std Dev1.497e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

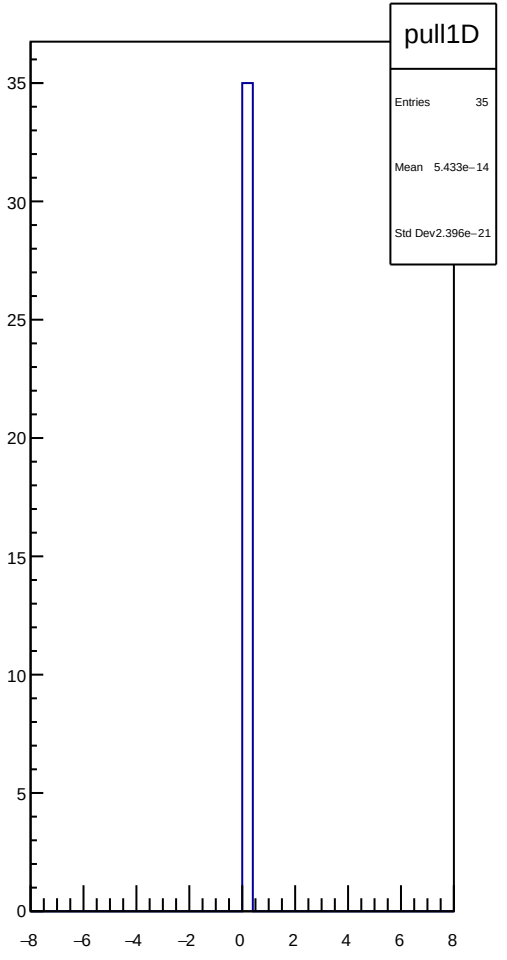

dit_sam6_11X12X_slope vs run
χ² / ndf 3.561e−29 / 34
p0 1.128 ± 0.07442
1.6
1.4
1.2
1
0.8
0.6
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

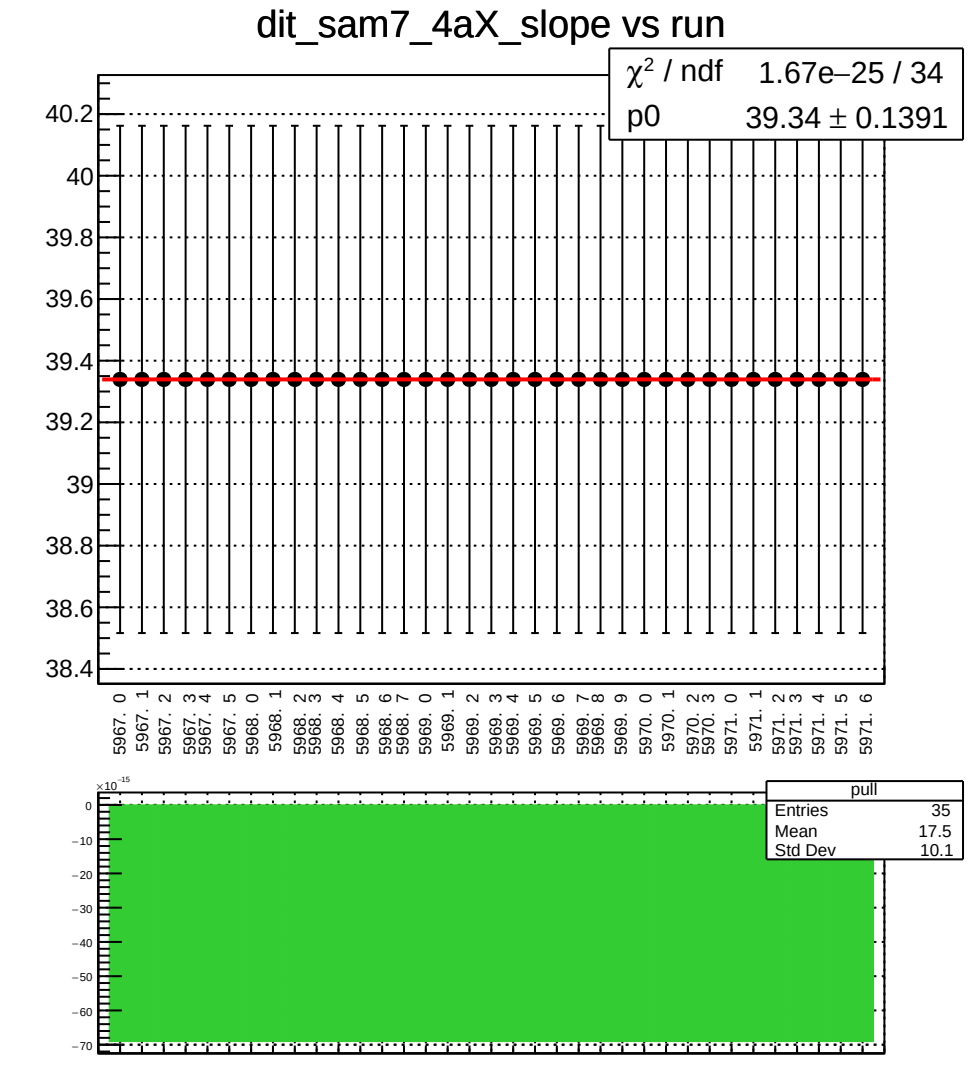

pull1D
Entries 35
Mean 1.009e−15
Std Dev1.872e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

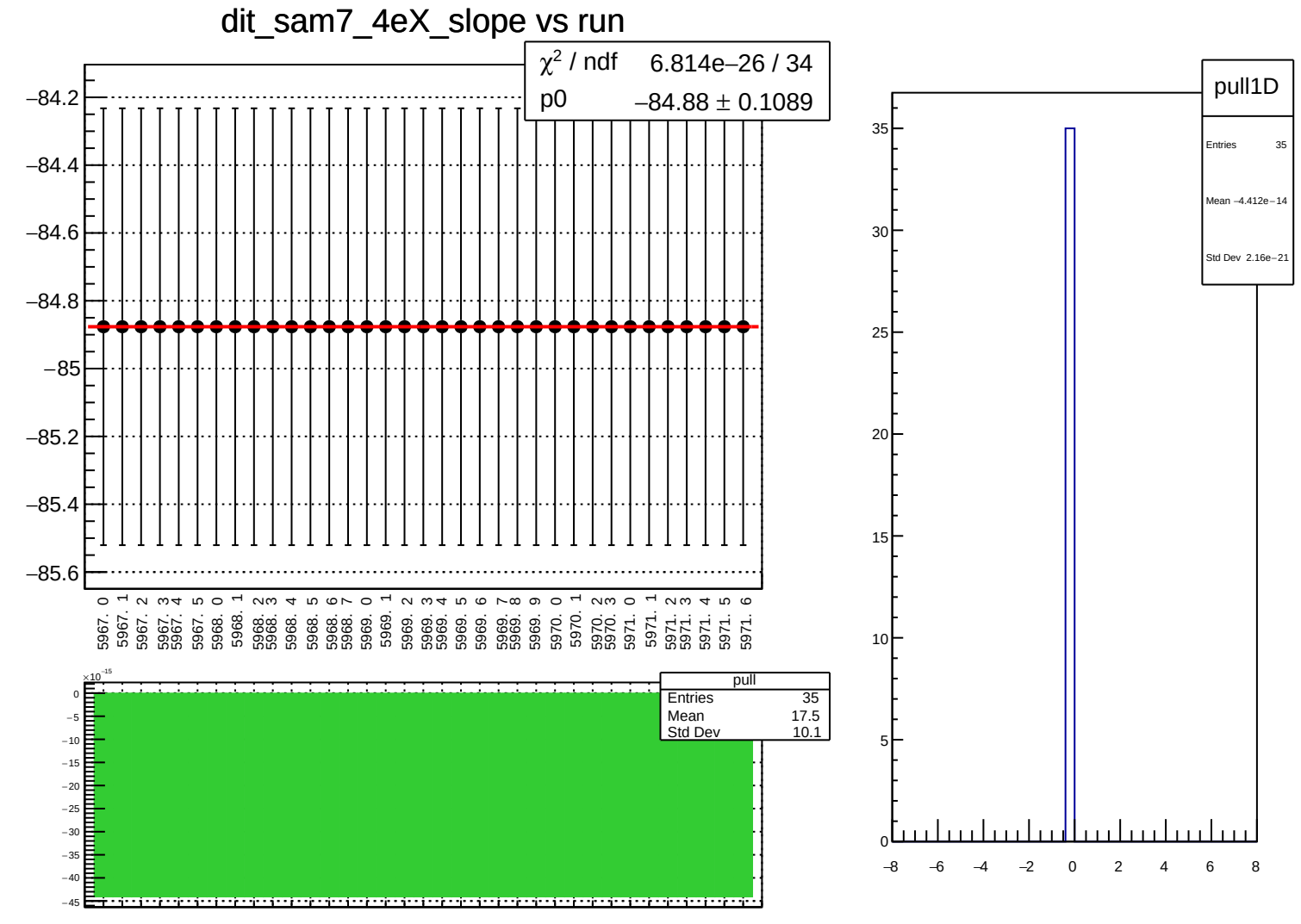

dit_sam6_4aY_slope vs run
χ² / ndf 1.219e−24 / 34
p0 23.09 ± 0.02252
23.2
23.15
23.1
23.05
23
22.95
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 35
Mean 17.5
Std Dev 10.1

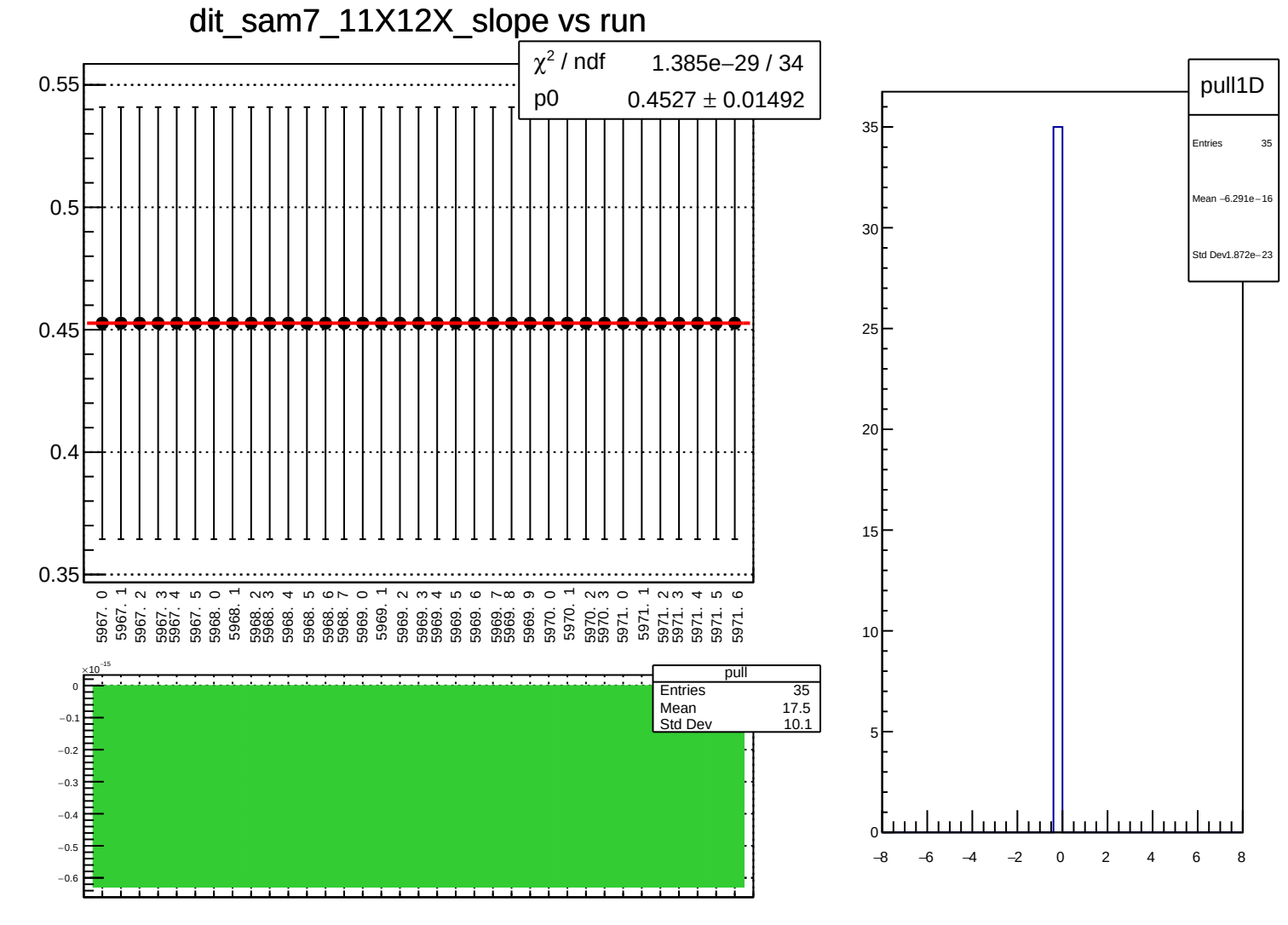

pull1D
Entries 35
Mean −1.867e−13
Std Dev6.776e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

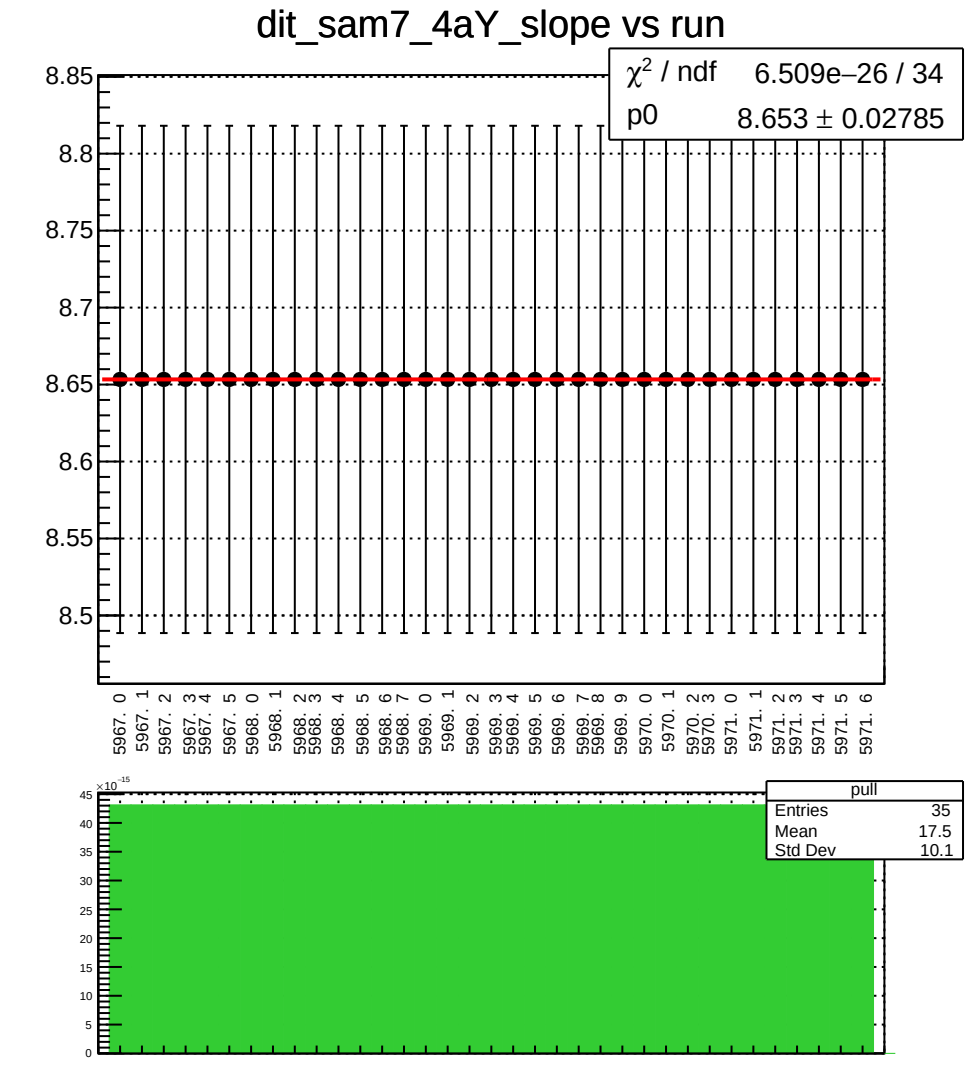

dit_sam6_4eY_slope vs run
χ² / ndf 1.033e−25 / 34
p0 85.74 ± 0.08843
86.2
86
85.8
85.6
85.4
85.2
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

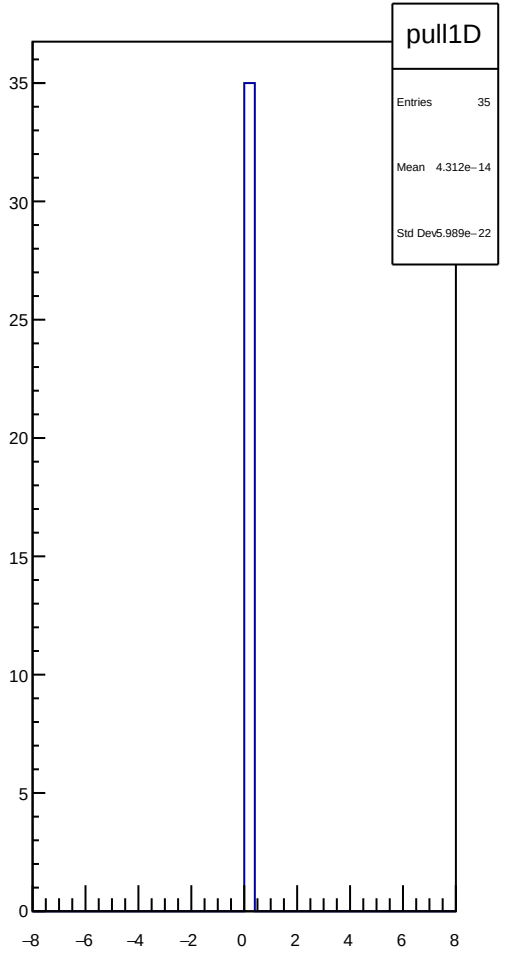

pull1D
Entries 35
Mean 5.433e−14
Std Dev2.396e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

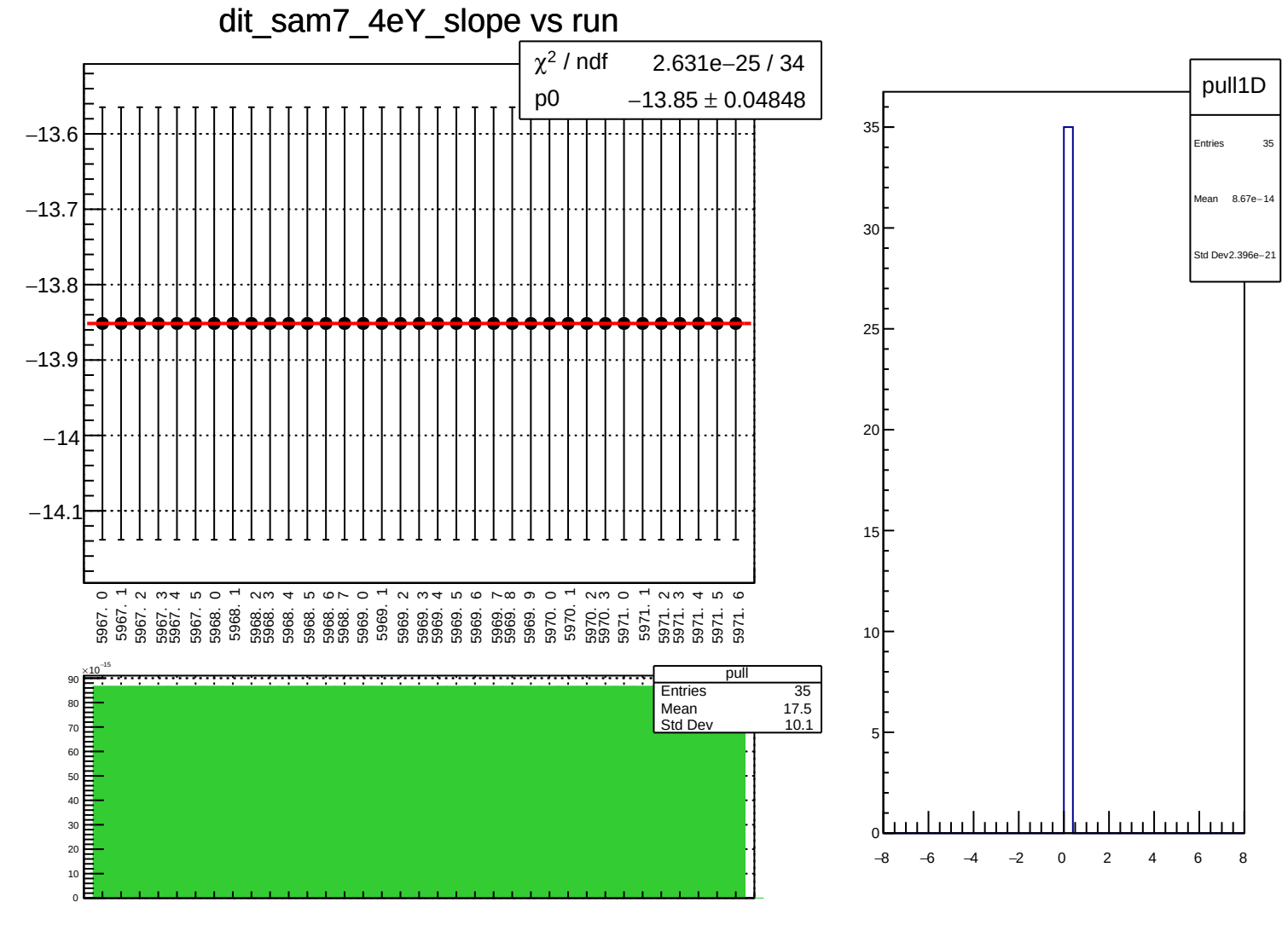

dit_sam7_4aX_slope vs run
χ² / ndf 1.67e−25 / 34
p0 39.34 ± 0.1391
40.2
40
39.8
39.6
39.4
39.2
39
38.8
38.6
38.4
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −6.908e−14
Std Dev2.075e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

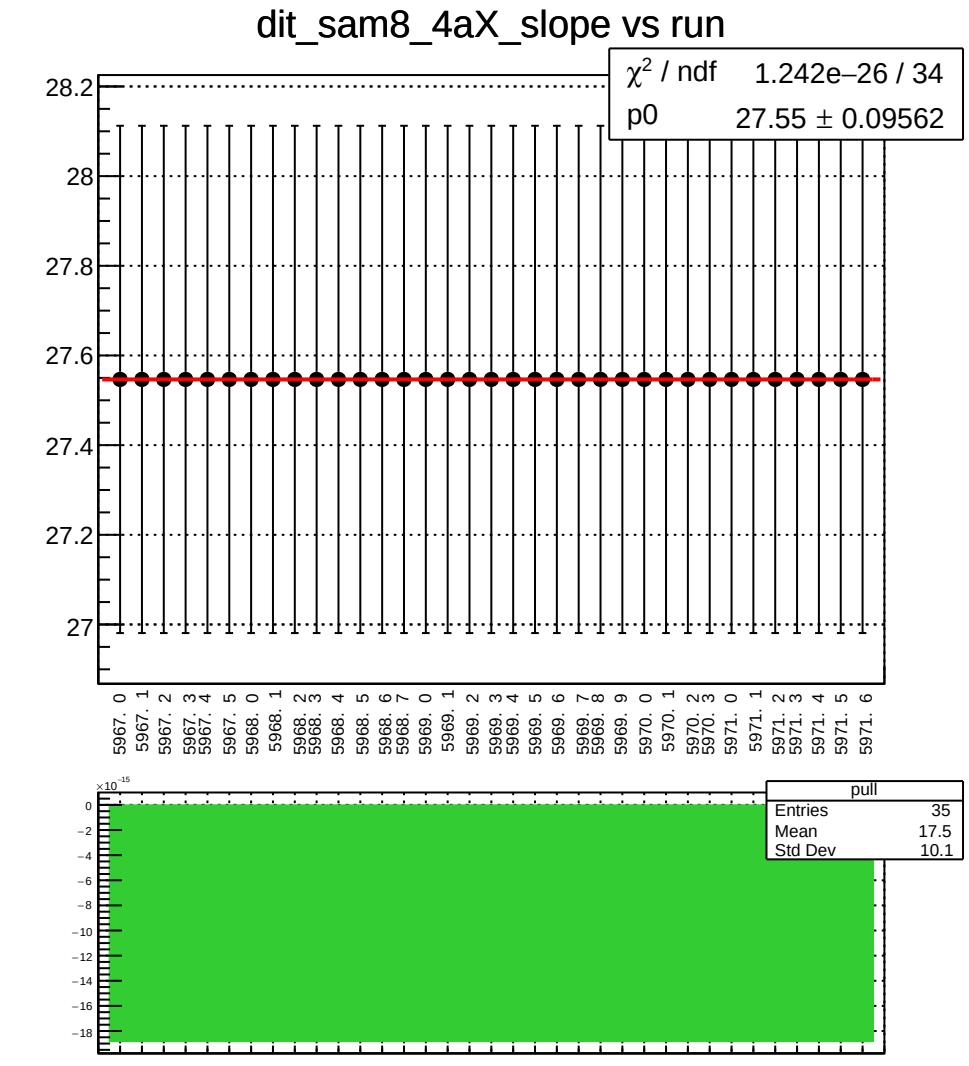

dit_sam7_4eX_slope vs run
χ² / ndf 6.814e−26 / 34
p0 −84.88 ± 0.1089
−84.2
−84.4
−84.6
−84.8
−85
−85.2
−85.4
−85.6
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −4.412e−14
Std Dev 2.16e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

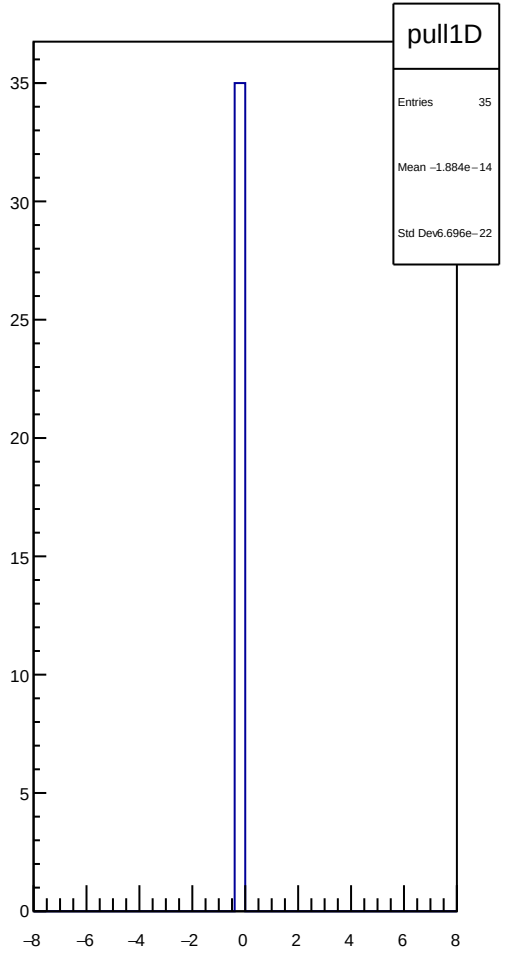

dit_sam7_11X12X_slope vs run
χ² / ndf 1.385e−29 / 34
p0 0.4527 ± 0.01492
0.55
0.5
0.45
0.4
0.35
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −6.291e−16
Std Dev1.872e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

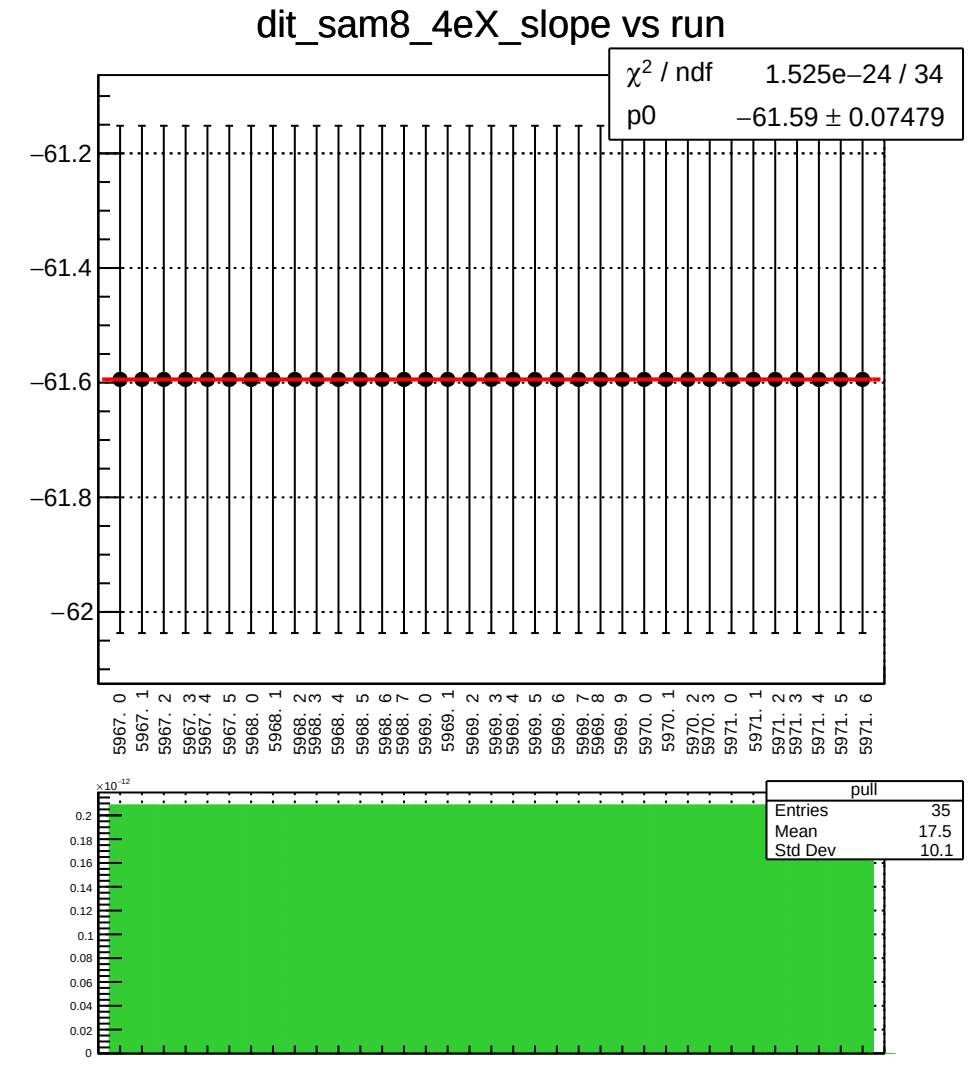

dit_sam7_4aY_slope vs run
χ² / ndf 6.509e−26 / 34
p0 8.653 ± 0.02785
8.85
8.8
8.75
8.7
8.65
8.6
8.55
8.5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

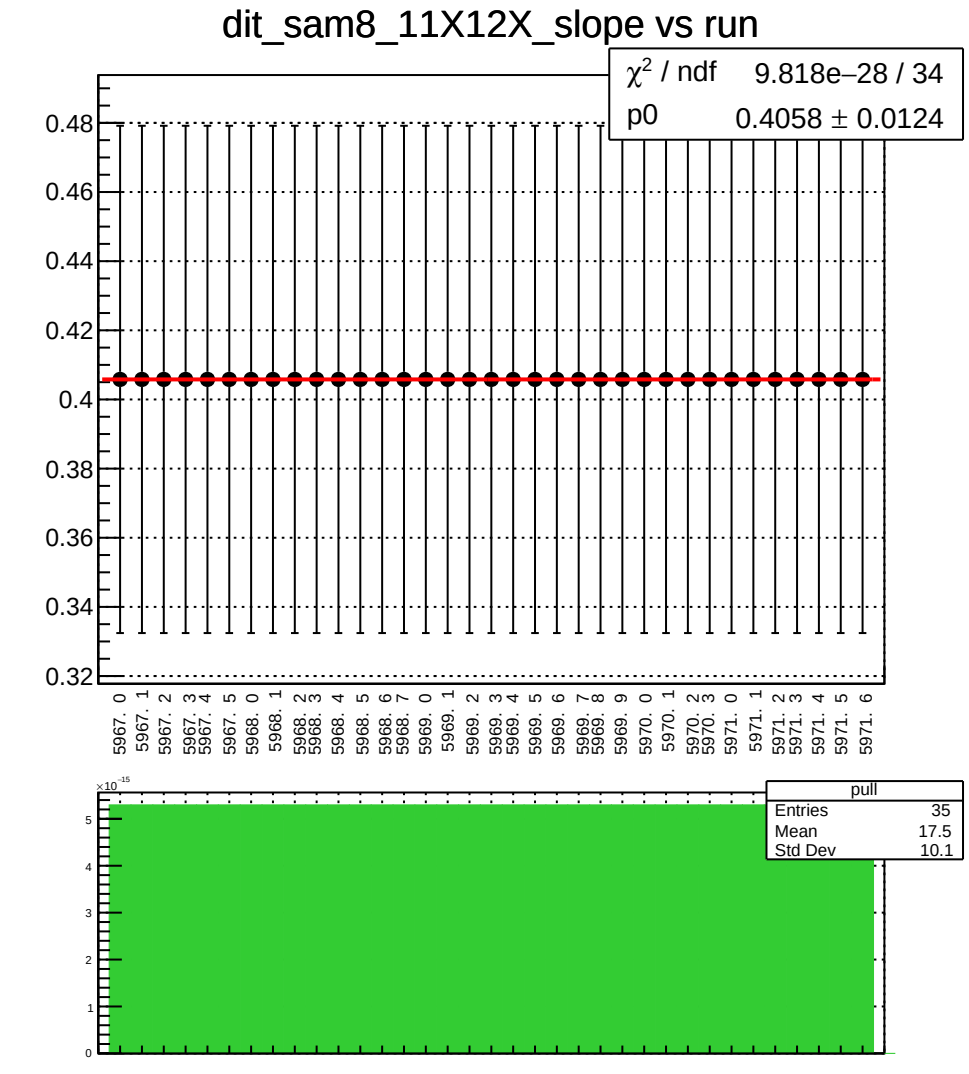

pull1D
Entries 35
Mean 4.312e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

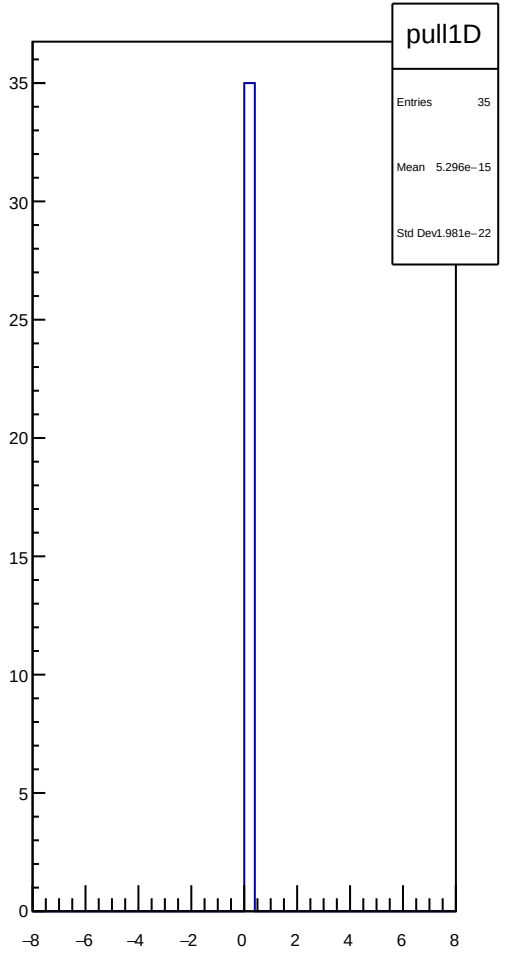

dit_sam7_4eY_slope vs run
χ² / ndf 2.631e−25 / 34
p0 −13.85 ± 0.04848
−13.6
−13.7
−13.8
−13.9
−14
−14.1
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 8.67e−14
Std Dev2.396e−21

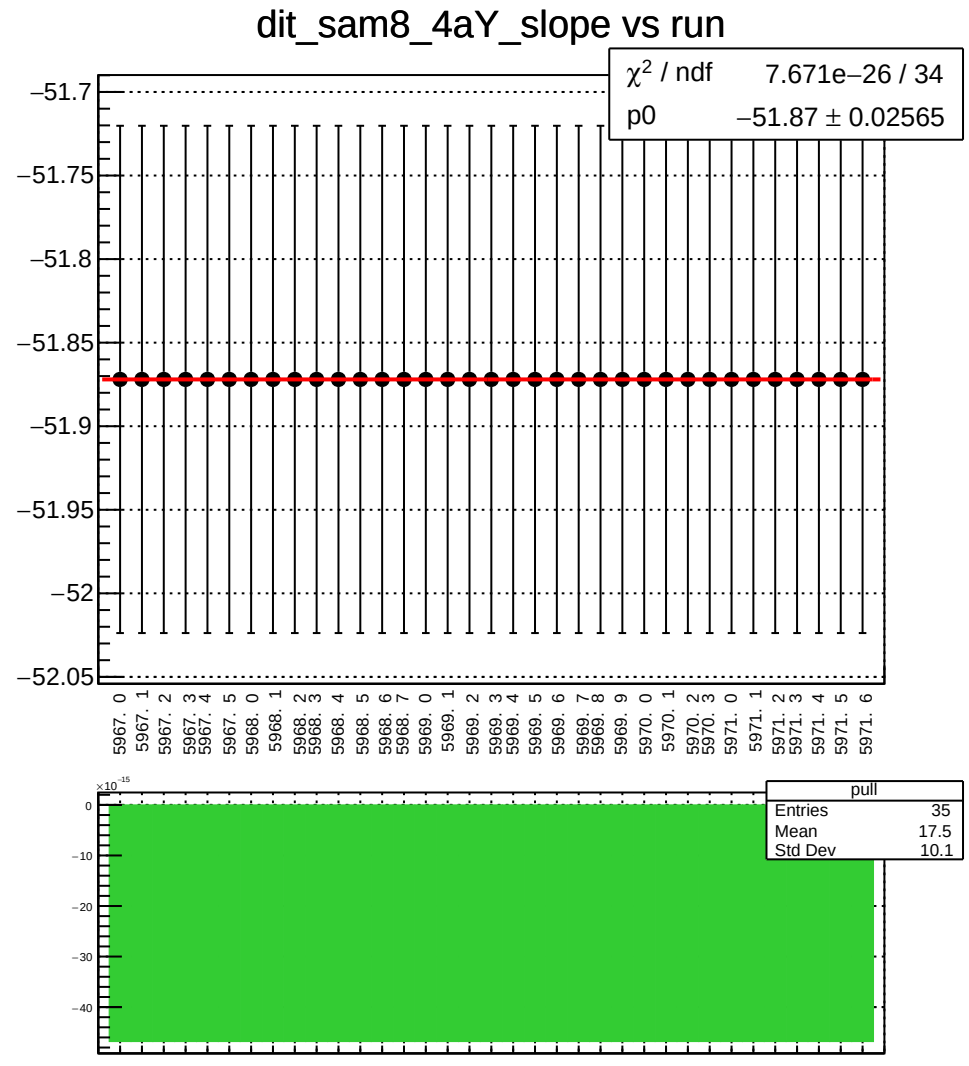

dit_sam8_4aX_slope vs run
χ² / ndf 1.242e−26 / 34
p0 27.55 ± 0.09562
28.2
28
27.8
27.6
27.4
27.2
27
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 35
Mean 17.5
Std Dev 10.1

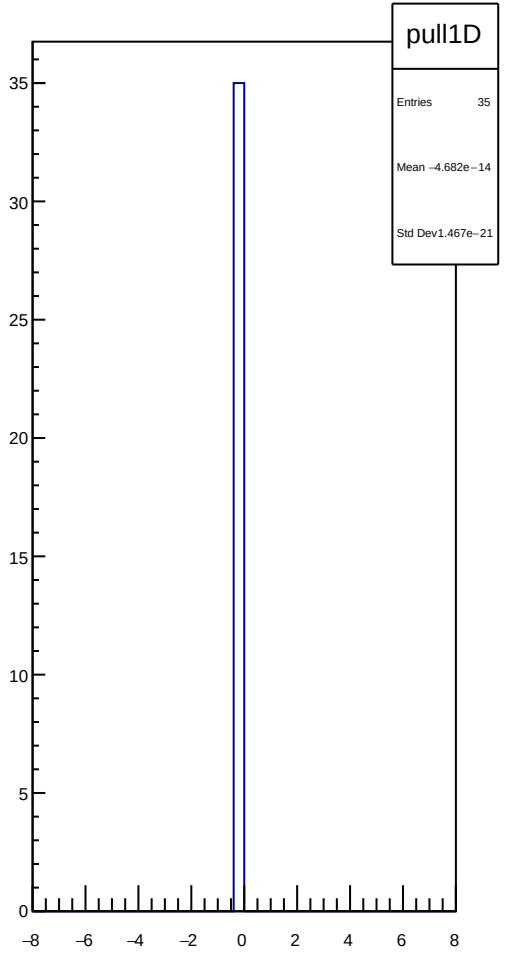

pull1D
Entries 35
Mean −1.884e−14
Std Dev 6.696e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

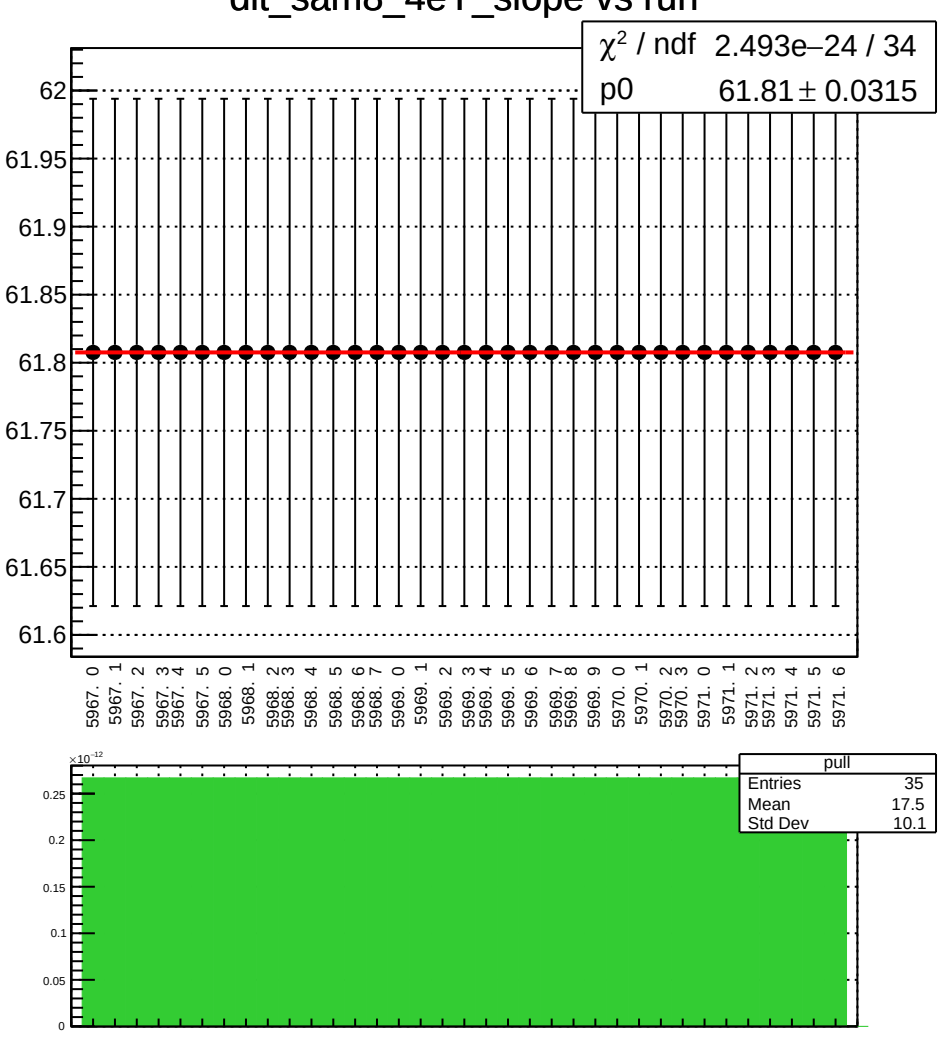

dit_sam8_4eX_slope vs run
χ² / ndf 1.525e−24 / 34
p0 −61.59 ± 0.07479
−61.2
−61.4
−61.6
−61.8
−62
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 2.088e−13
Std Dev1.016e−20
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

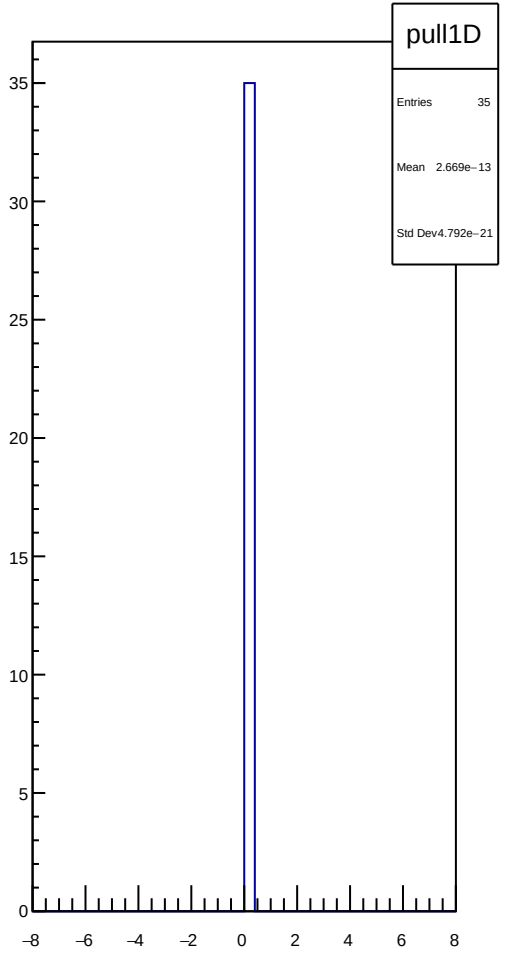

dit_sam8_11X12X_slope vs run
χ² / ndf 9.818e−28 / 34
p0 0.4058 ± 0.0124
0.48
0.46
0.44
0.42
0.4
0.38
0.36
0.34
0.32
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

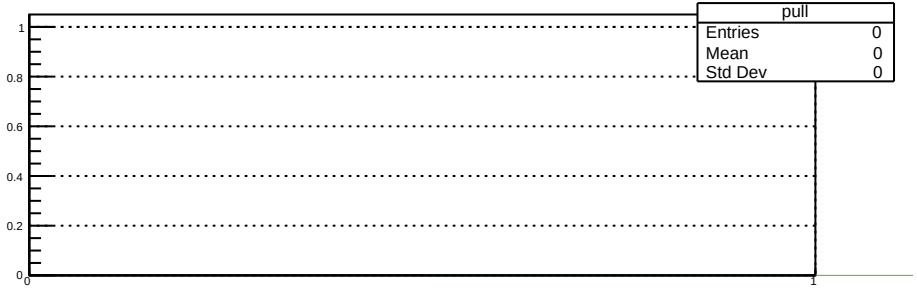

pull1D
Entries 35
Mean 5.296e−15
Std Dev1.981e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

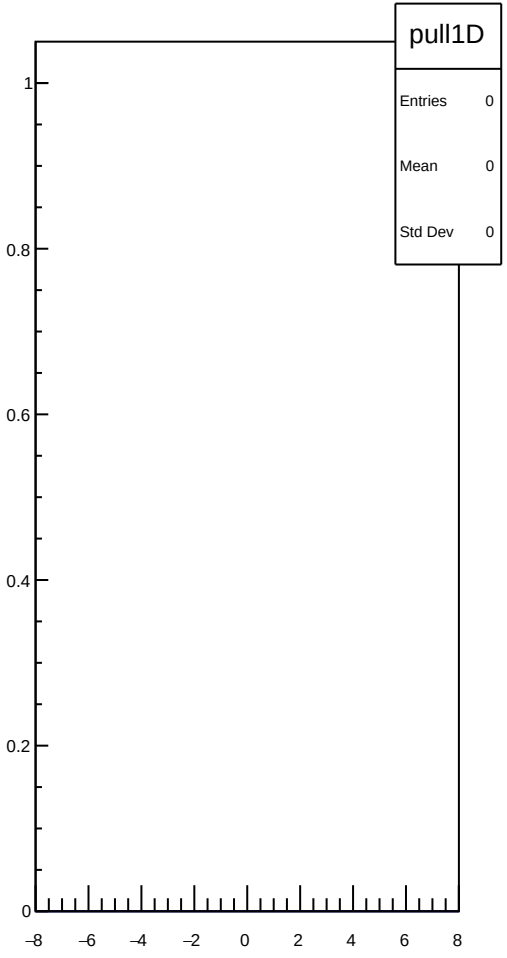

dit_sam8_4aY_slope vs run
χ² / ndf 7.671e−26 / 34
p0 −51.87 ± 0.02565
−51.7
−51.75
−51.8
−51.85
−51.9
−51.95
−52
−52.05
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹⁵
0
−10
−20
−30
−40
pull
Entries 35
Mean 17.5
Std Dev 10.1

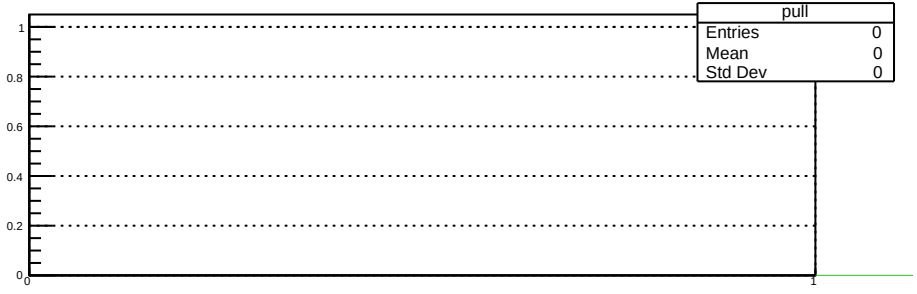

pull1D
Entries 35
Mean −4.682e−14
Std Dev1.467e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

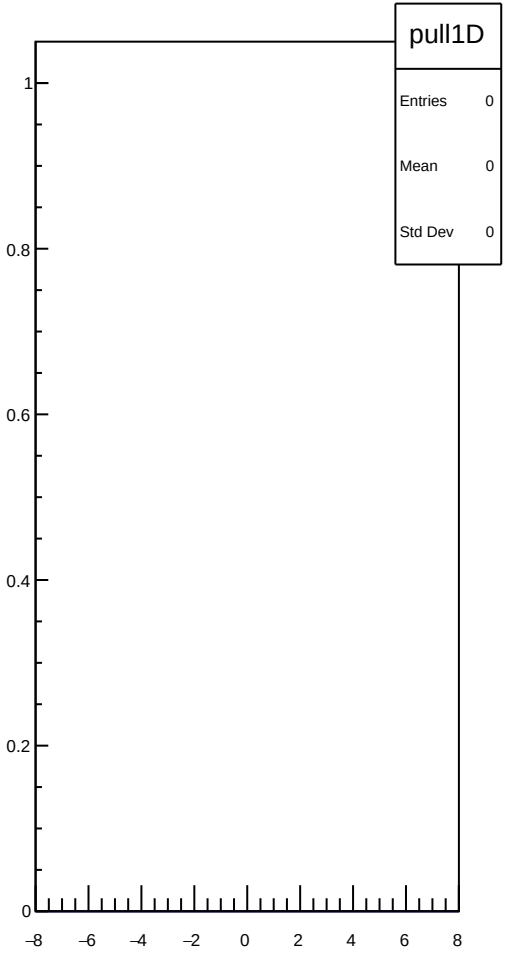

dit_sam8_4eY_slope vs run
χ² / ndf 2.493e−24 / 34
p0 61.81 ± 0.0315
62
61.95
61.9
61.85
61.8
61.75
61.7
61.65
61.6
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

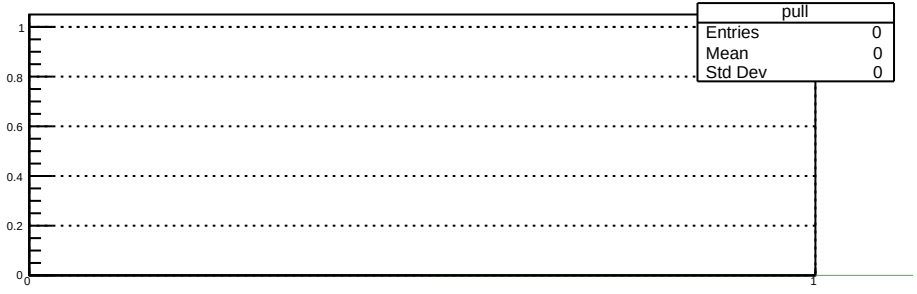

pull1D
Entries 35
Mean 2.669e−13
Std Dev4.792e−21
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25
20
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10
5
0
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−4
−2
0
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4
6
8

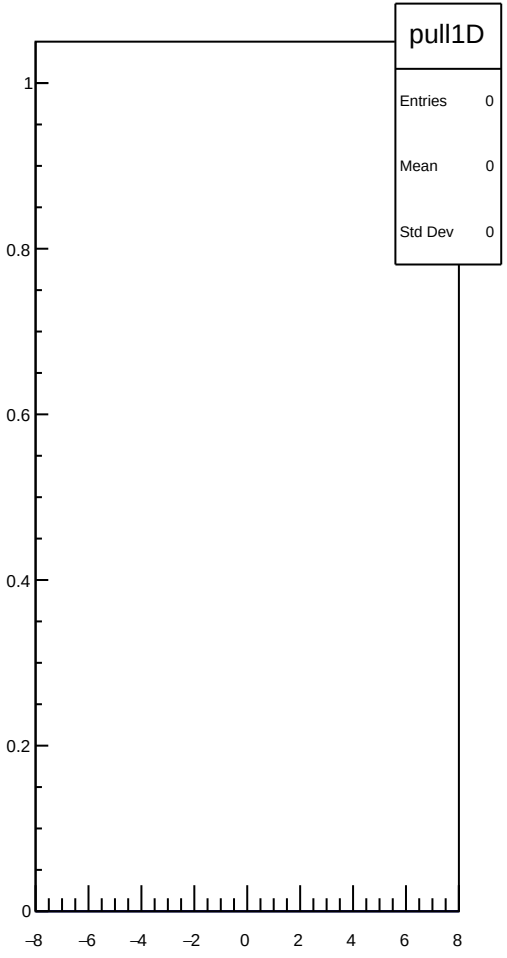

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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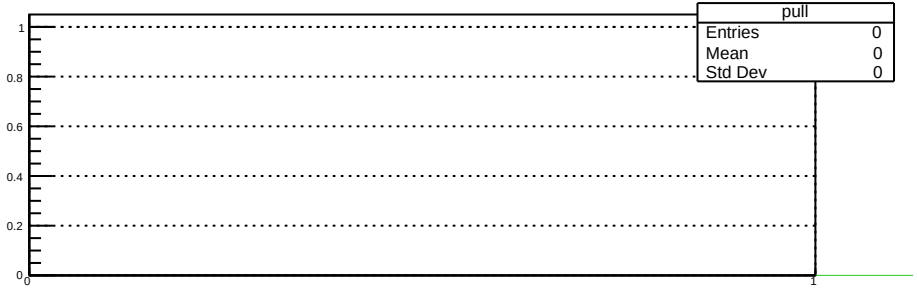

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–4
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0
2
4
6
8

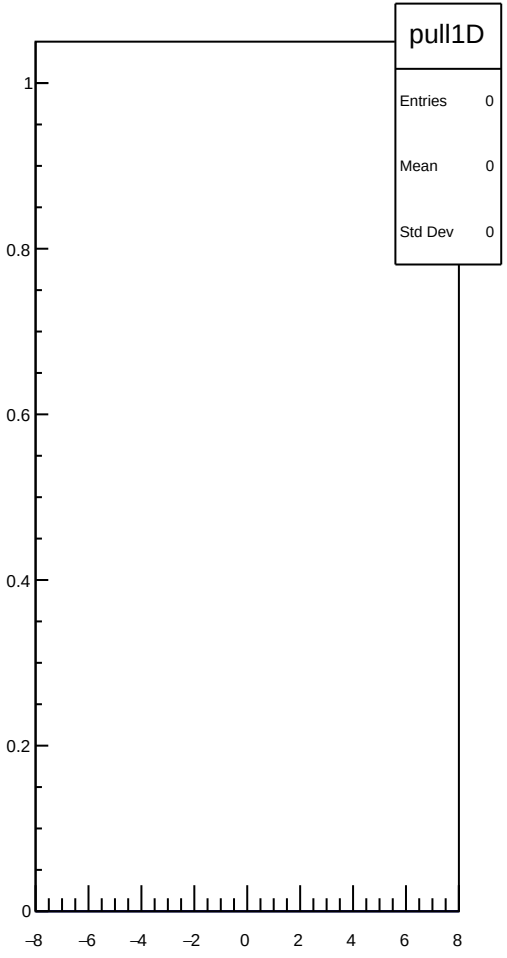

pull
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Mean 0
Std Dev 0
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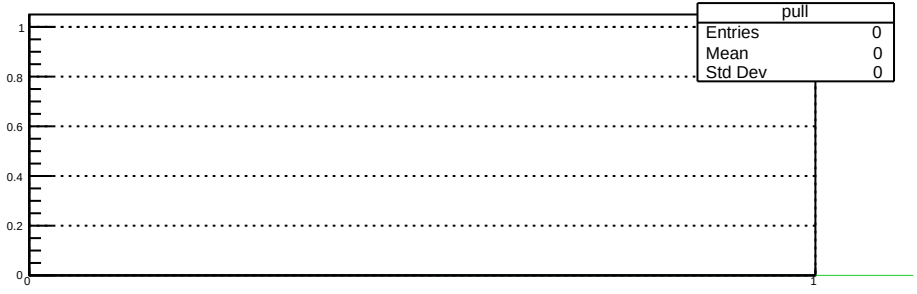

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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–4
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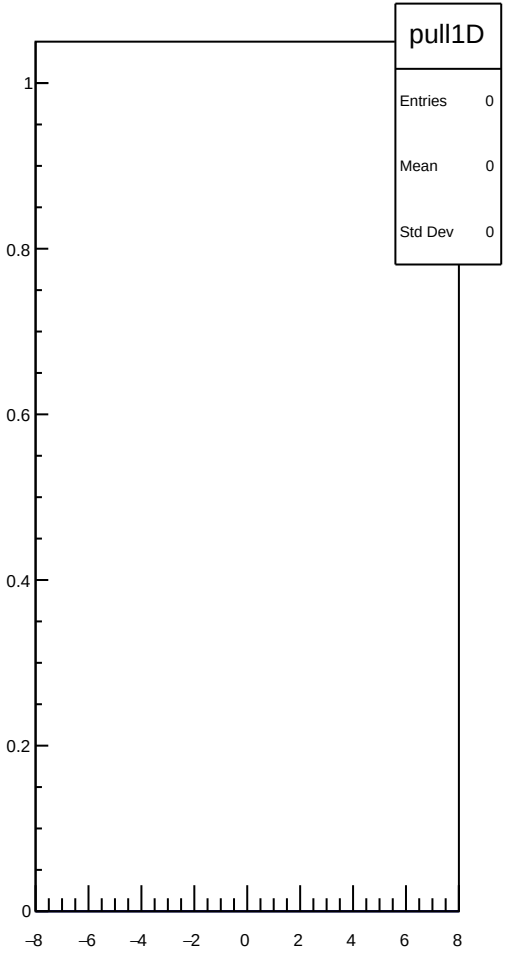

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
0
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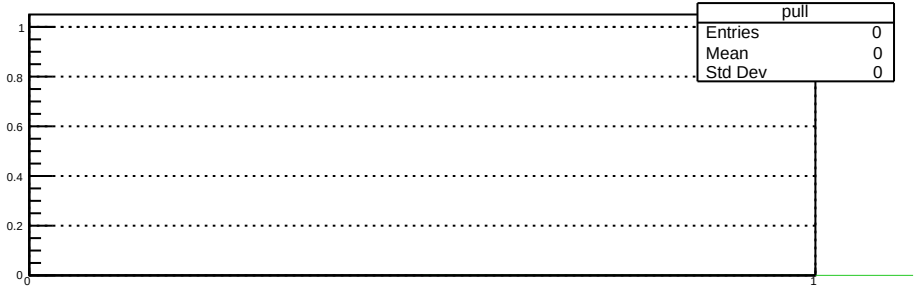

pull1D
Entries 0
Mean 0
Std Dev 0
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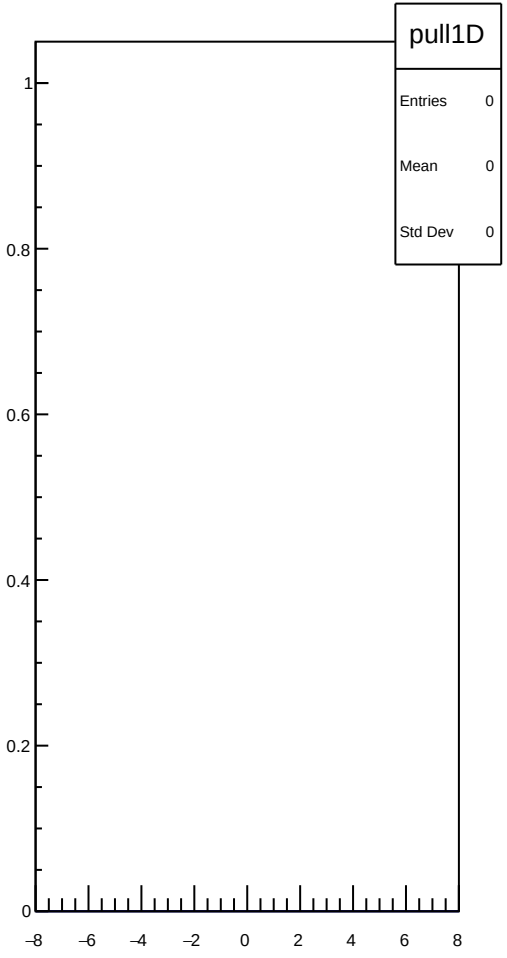

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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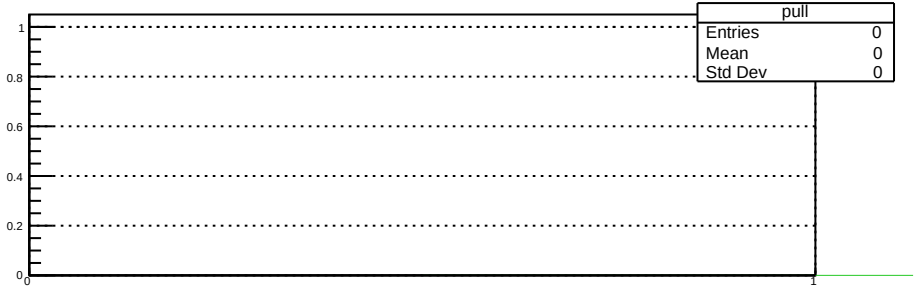

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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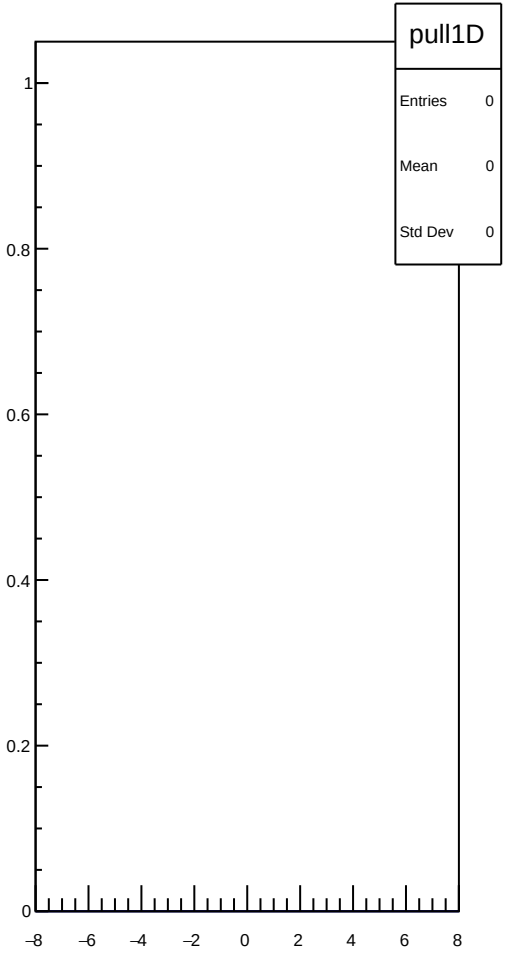

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

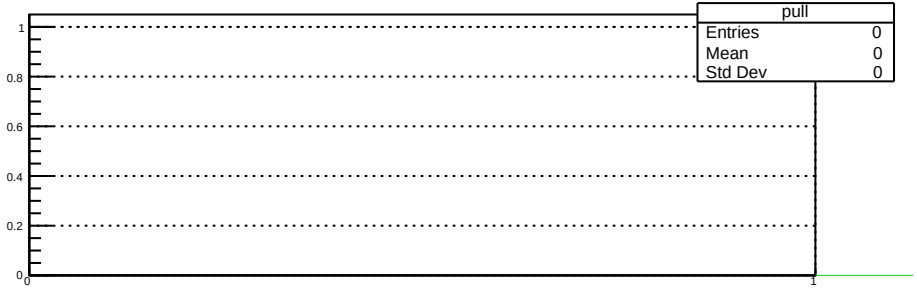

pull1D
Entries 0
Mean 0
Std Dev 0
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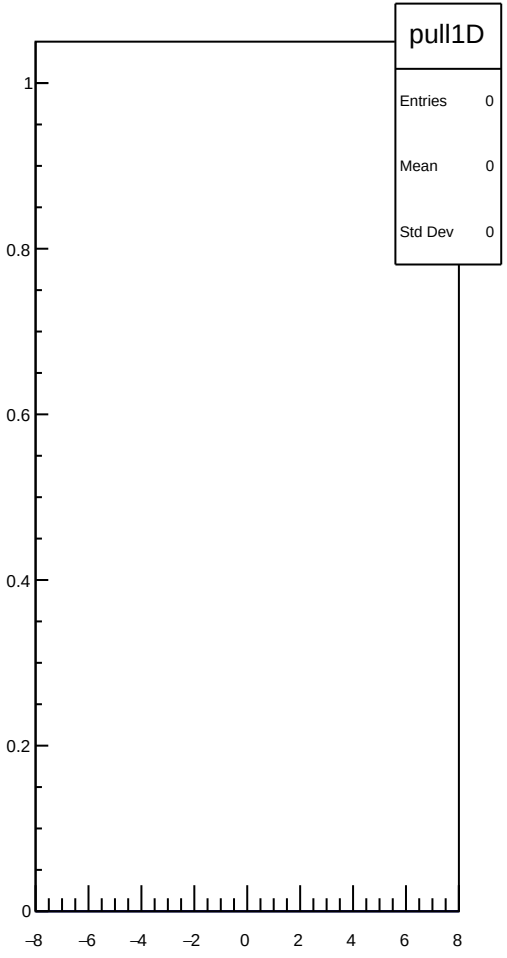

pull
Entries 0
Mean 0
Std Dev 0
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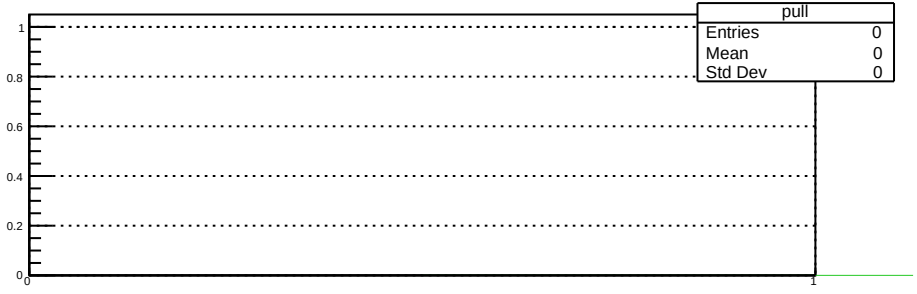

pull1D
Entries 0
Mean 0
Std Dev 0
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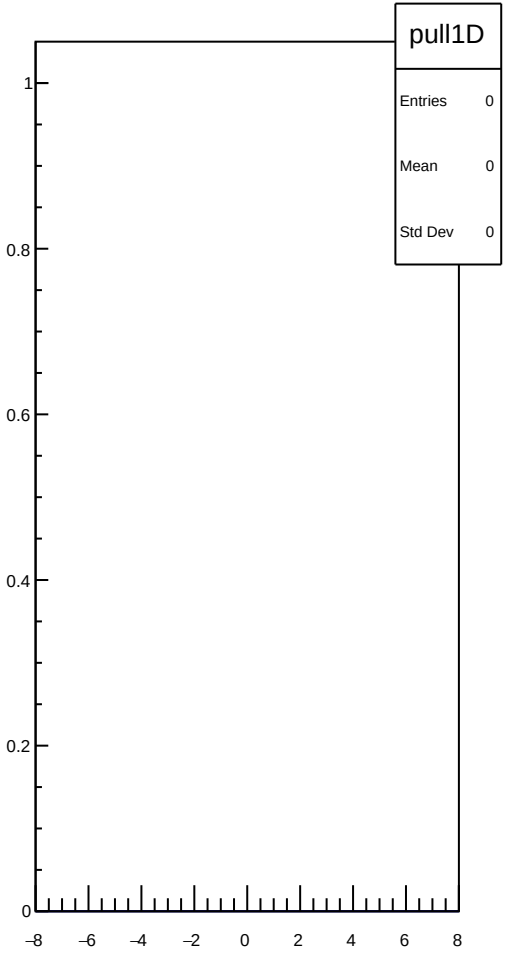

pull
Entries 0
Mean 0
Std Dev 0
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1

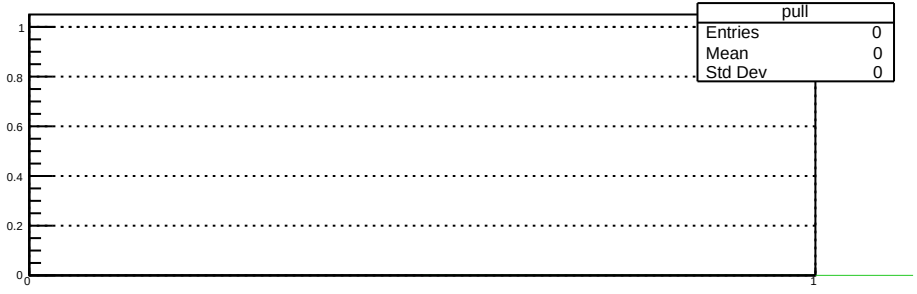

pull1D
Entries 0
Mean 0
Std Dev 0
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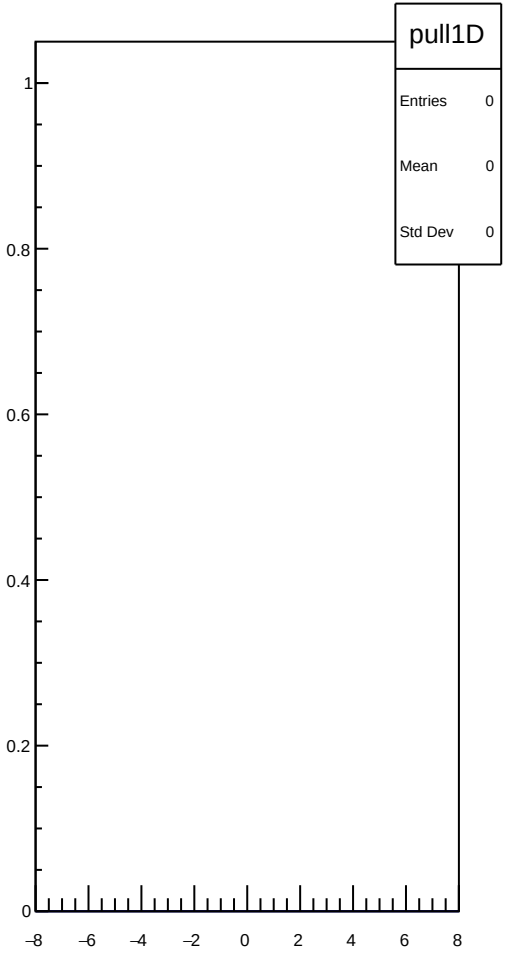

pull
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Mean 0
Std Dev 0
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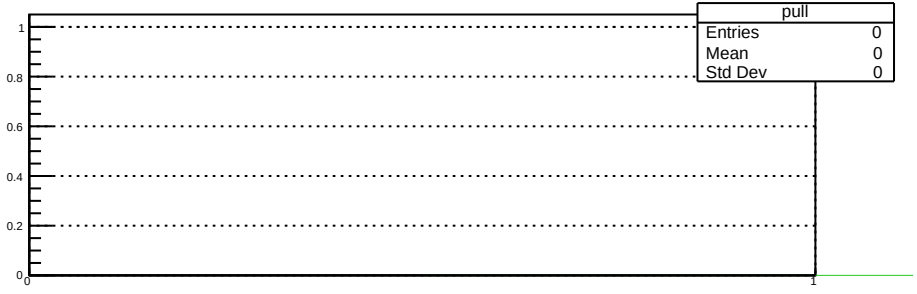

pull1D
Entries 0
Mean 0
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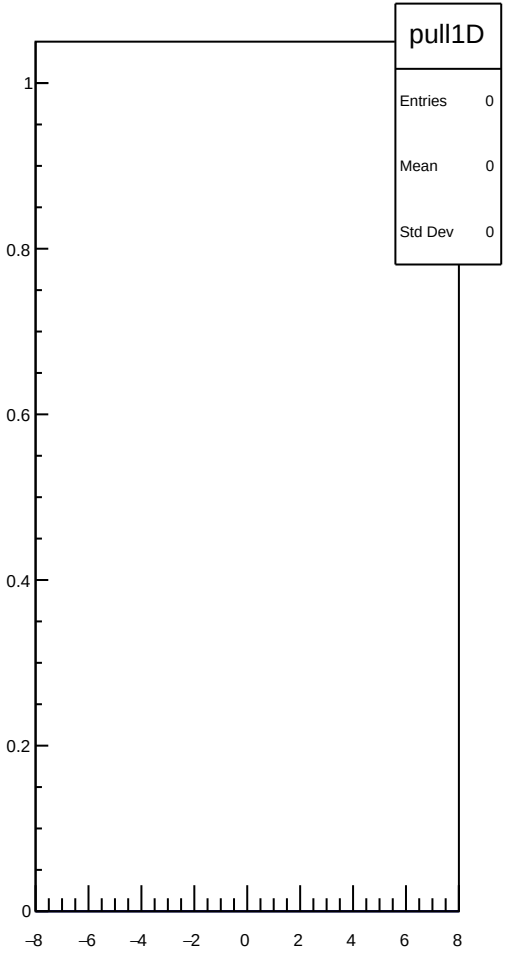

pull
Entries 0
Mean 0
Std Dev 0
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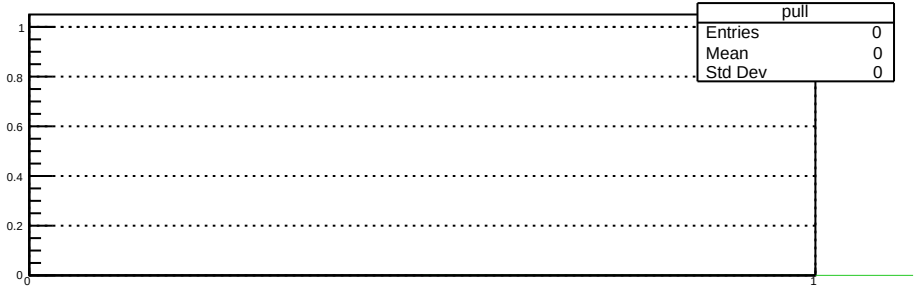

pull1D
Entries 0
Mean 0
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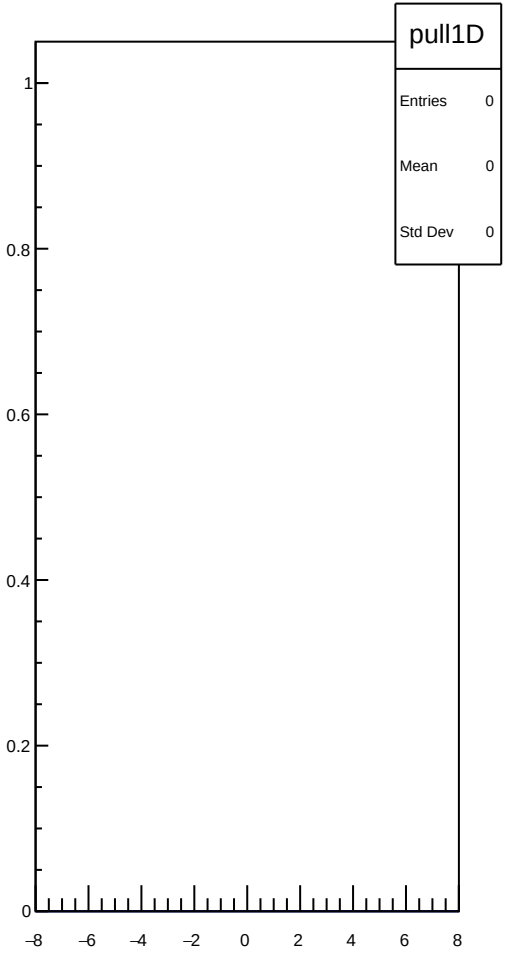

pull
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Std Dev 0
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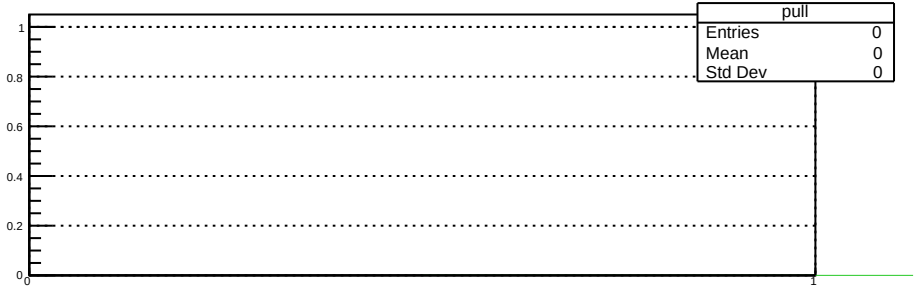

pull1D
Entries 0
Mean 0
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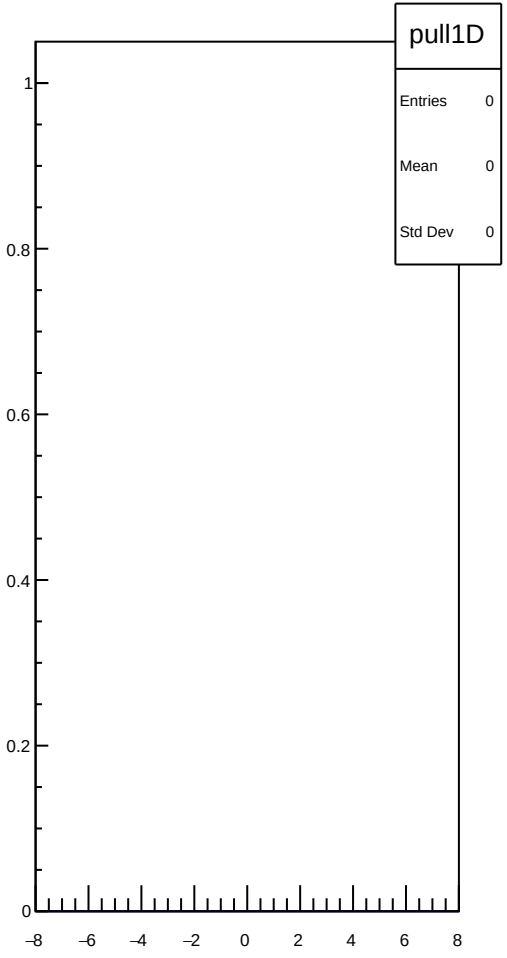

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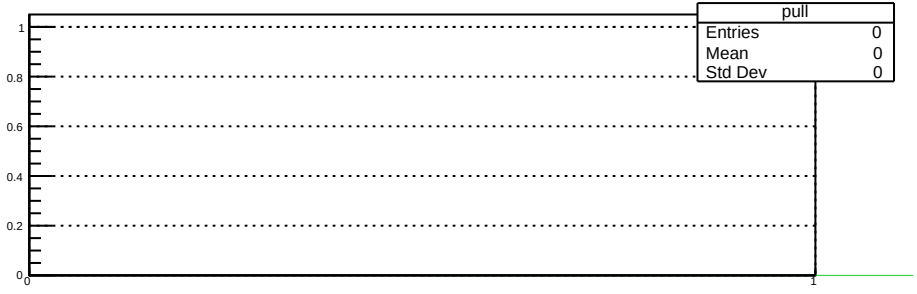

pull1D
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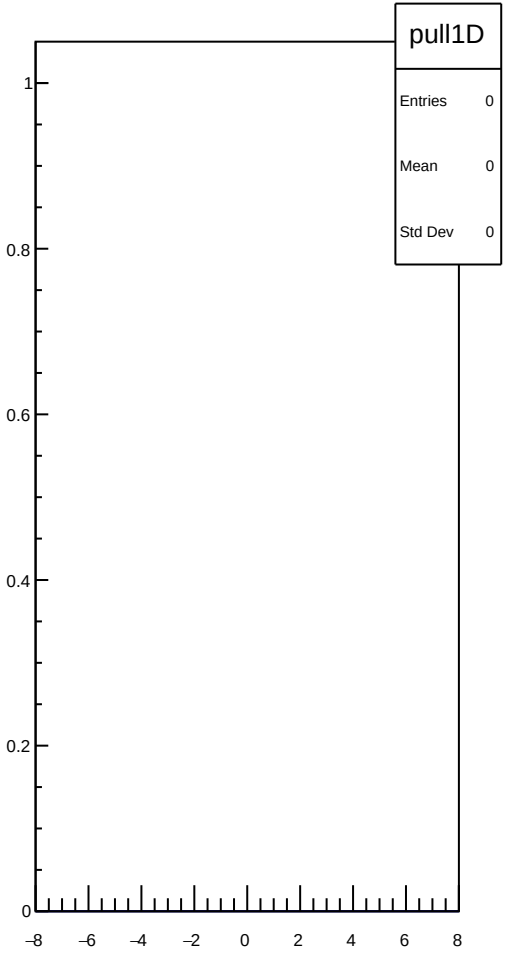

pull
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Std Dev 0
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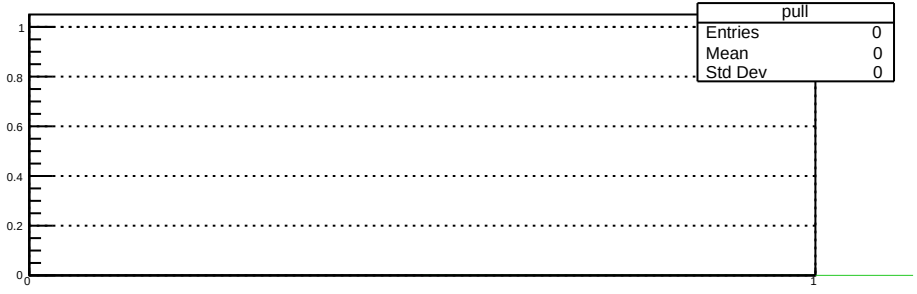

pull1D
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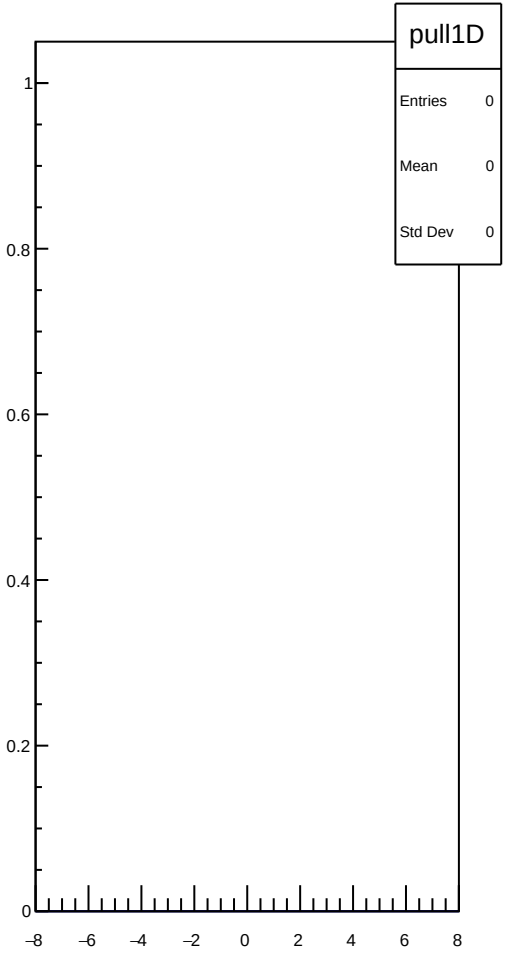

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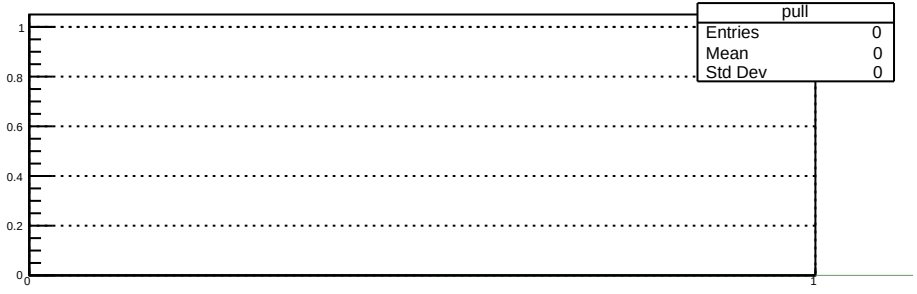

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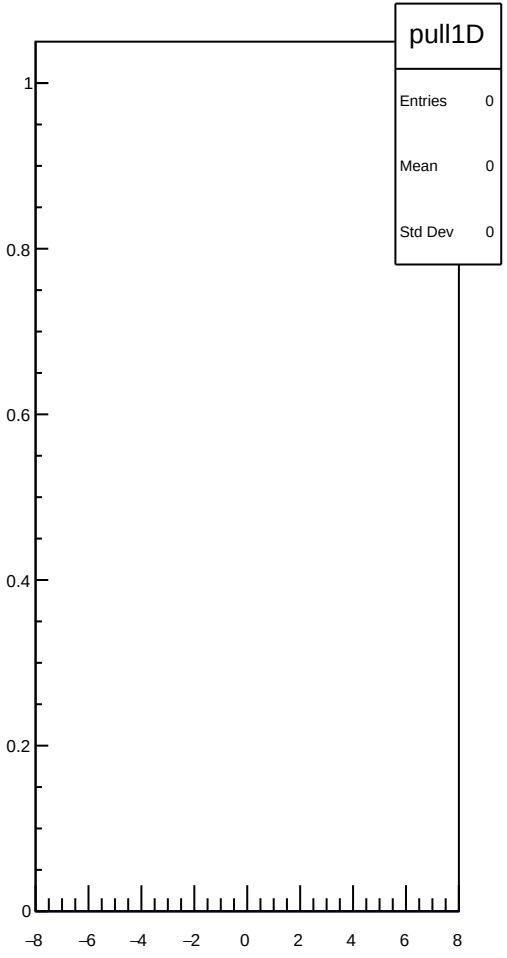

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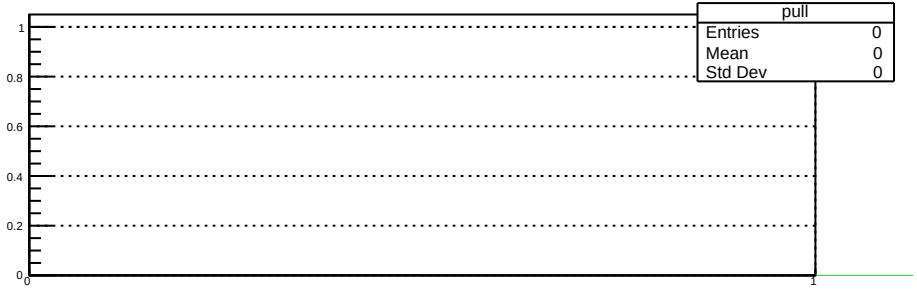

pull1D
Entries 0
Mean 0
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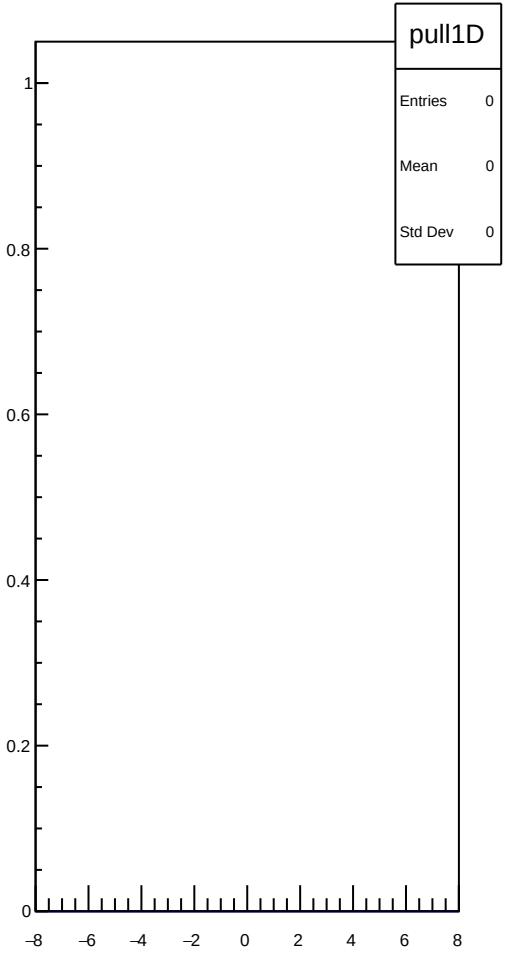

pull
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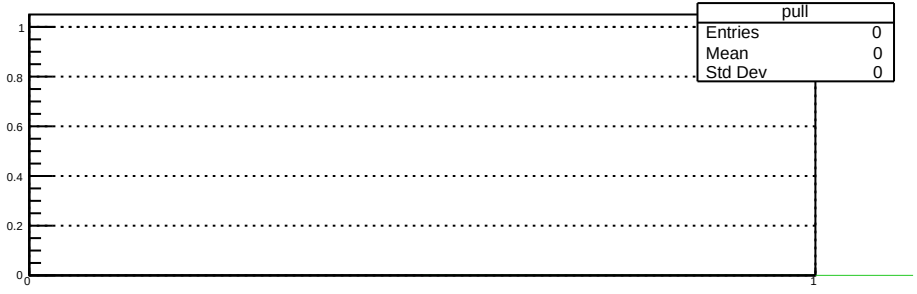

pull1D
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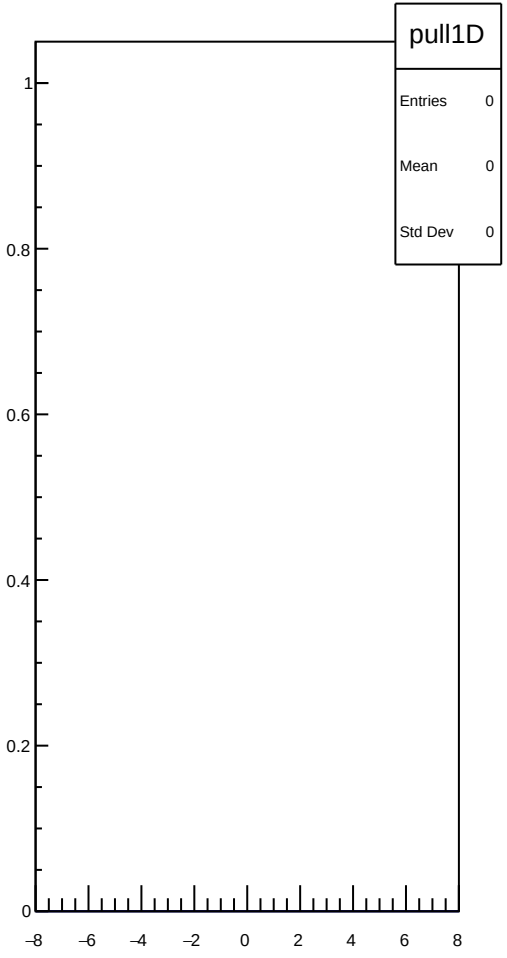

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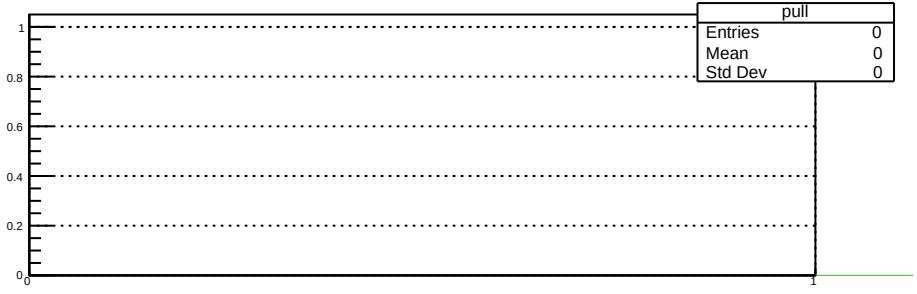

pull1D
Entries 0
Mean 0
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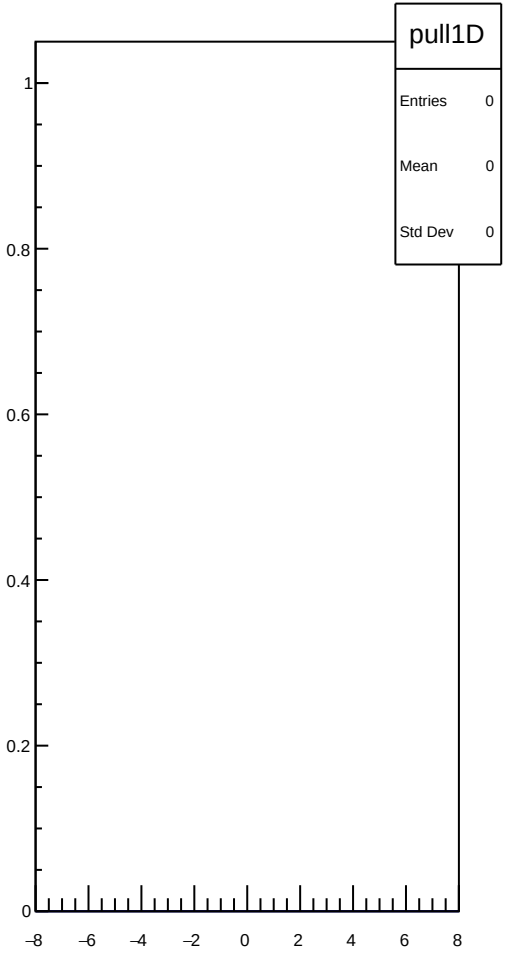

pull
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Std Dev 0
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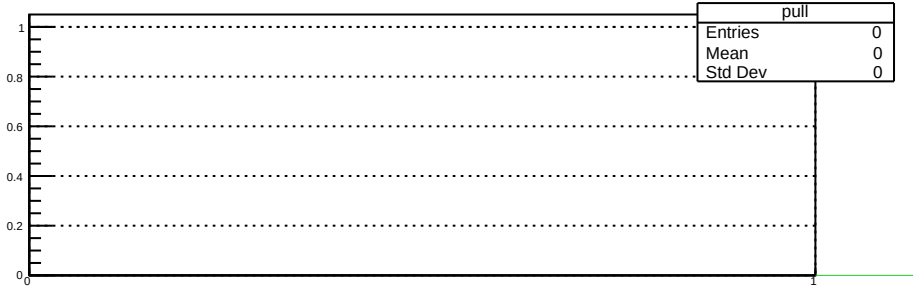

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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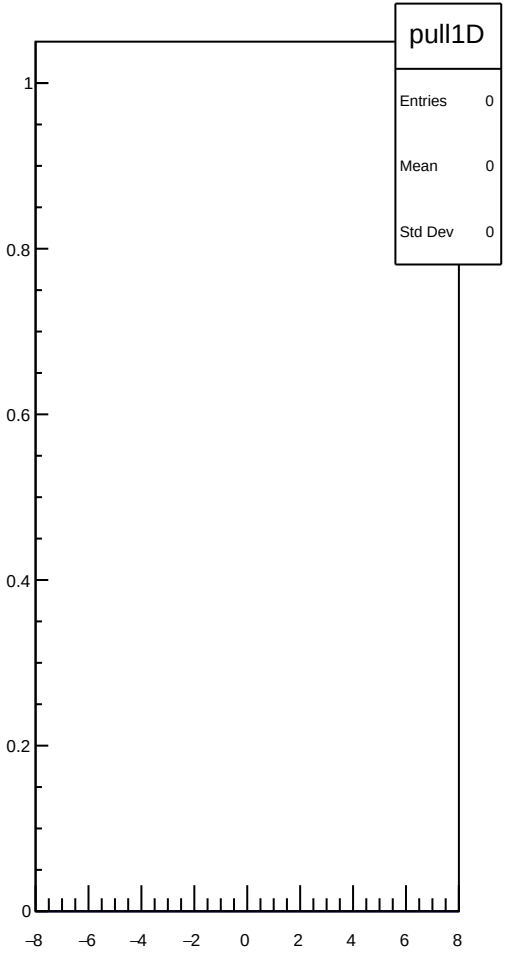

pull
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Std Dev 0
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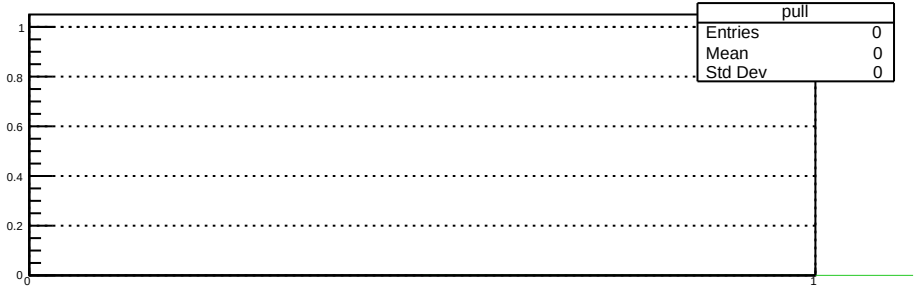

pull1D
Entries 0
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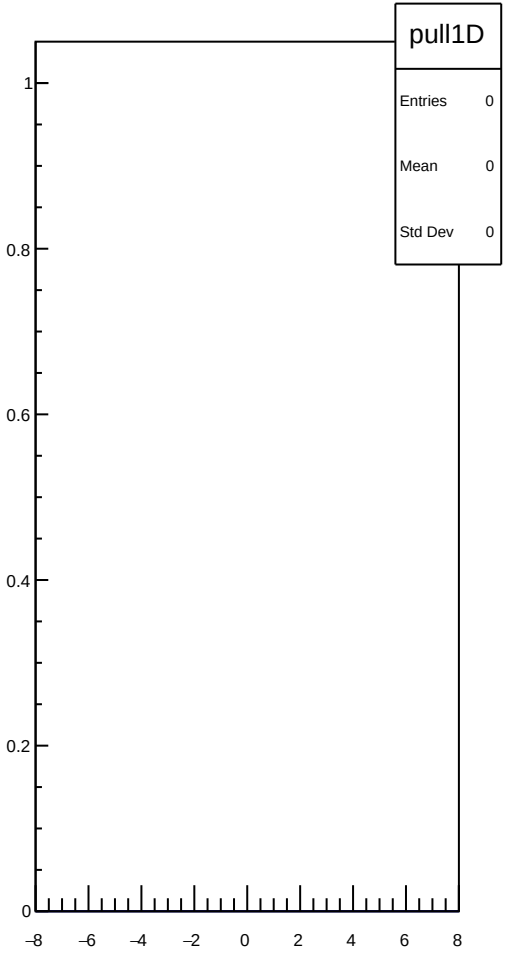

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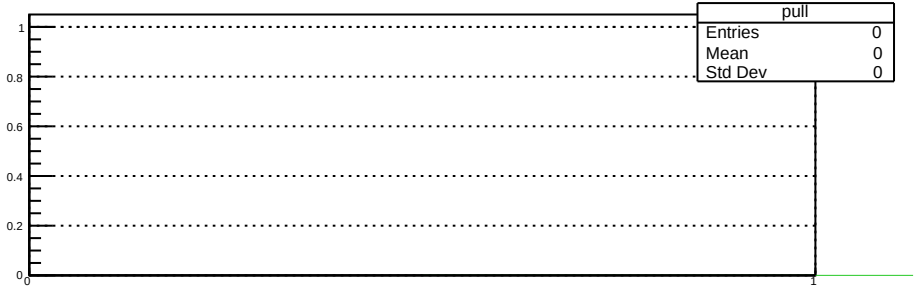

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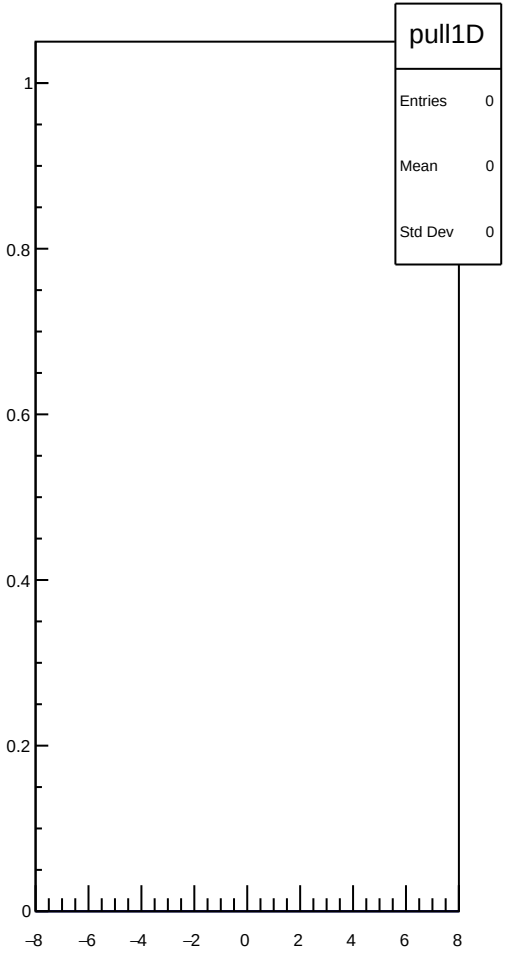

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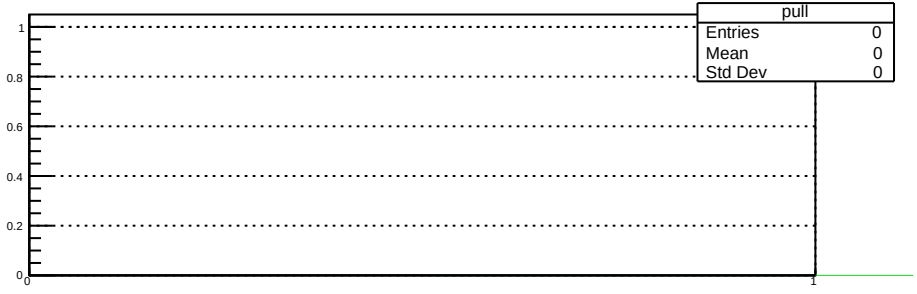

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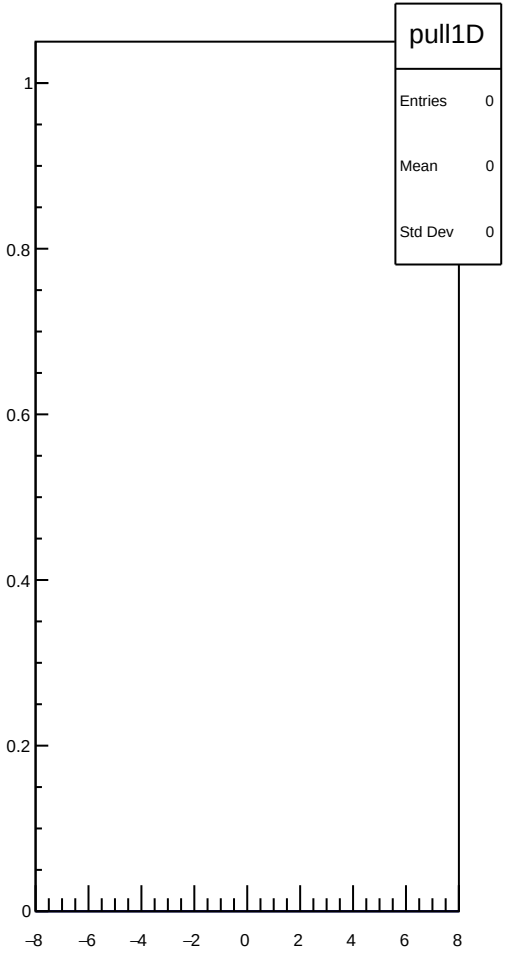

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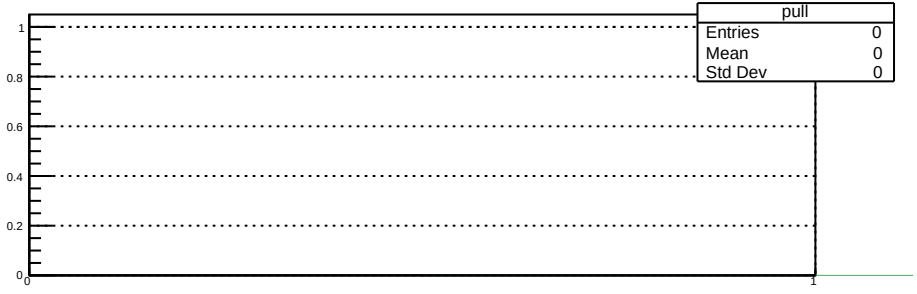

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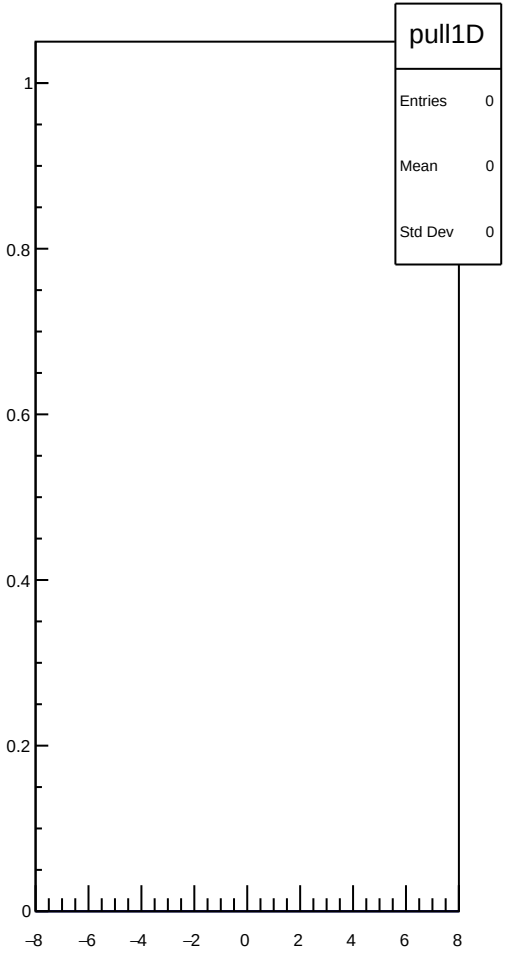

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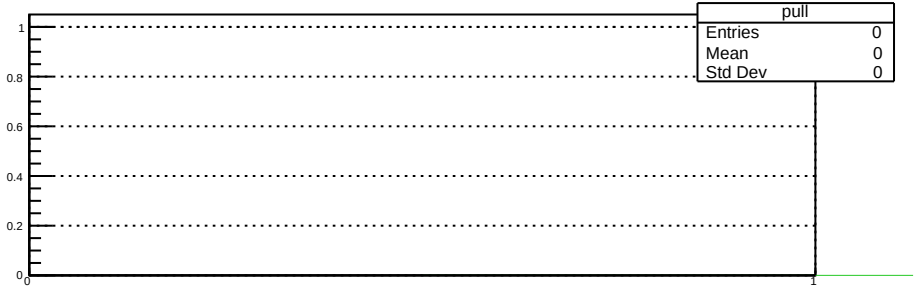

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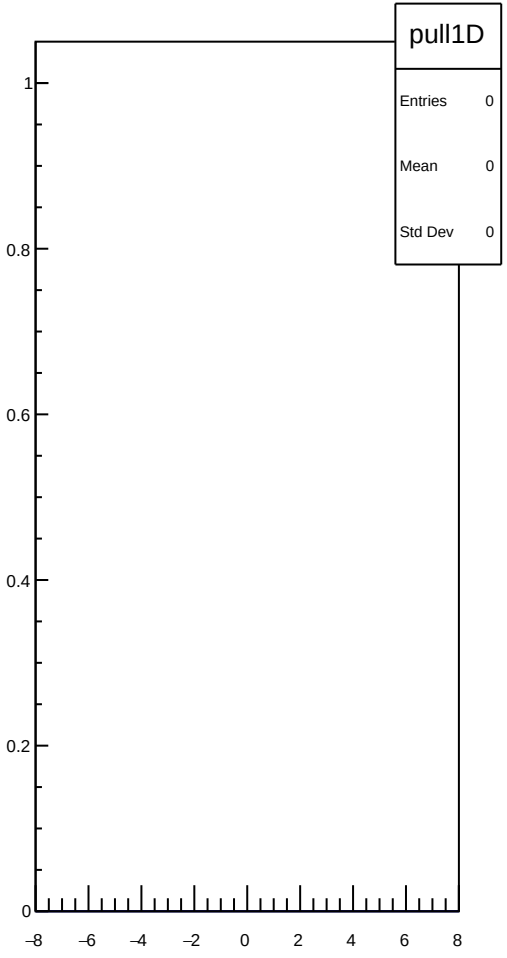

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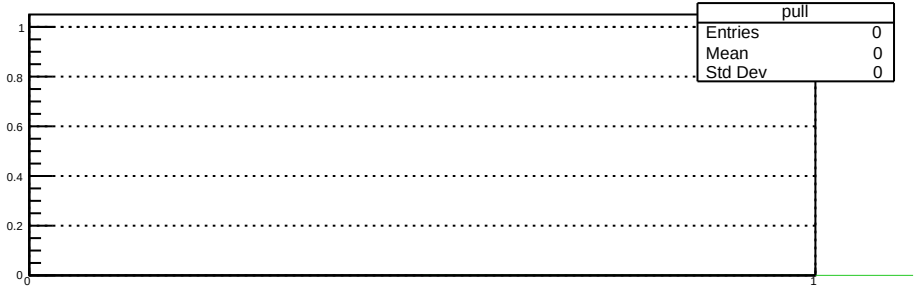

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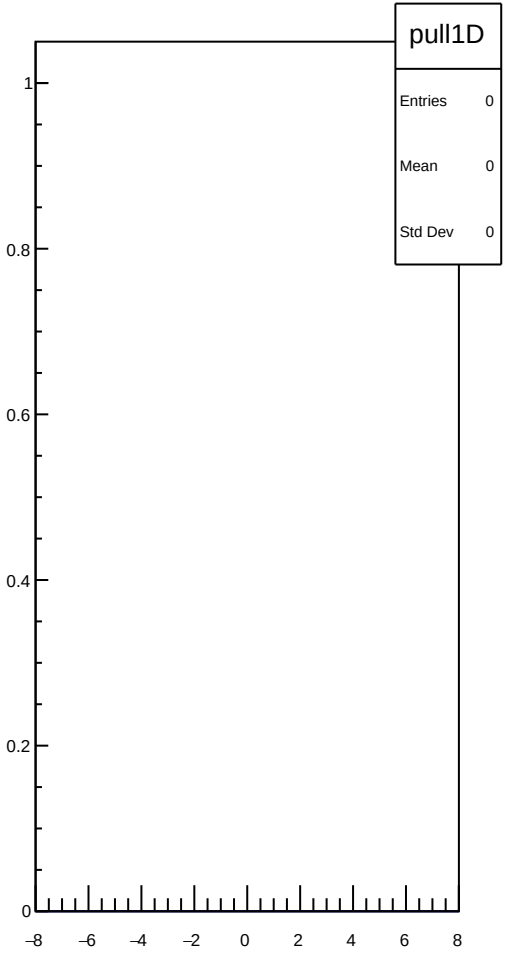

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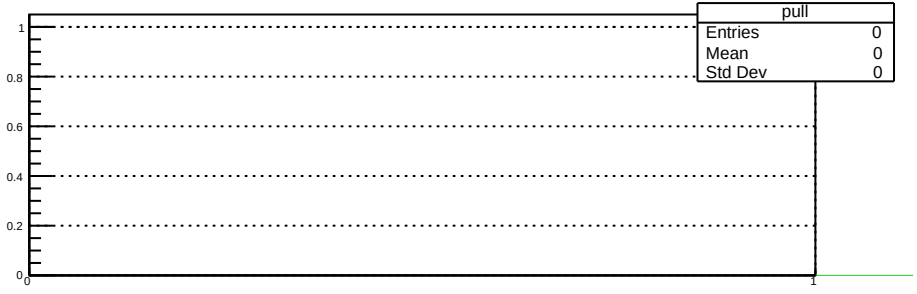

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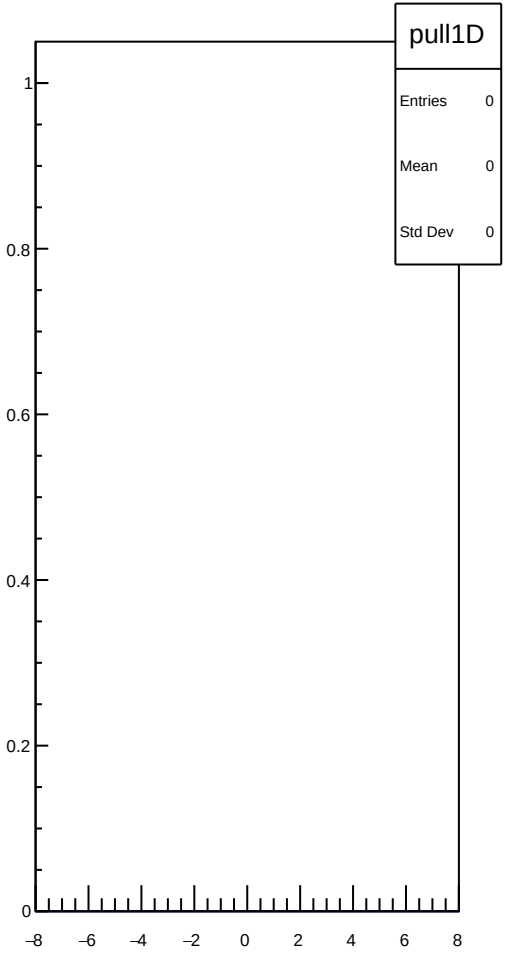

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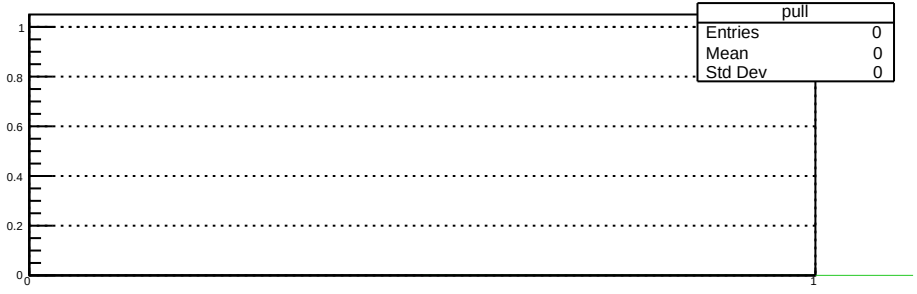

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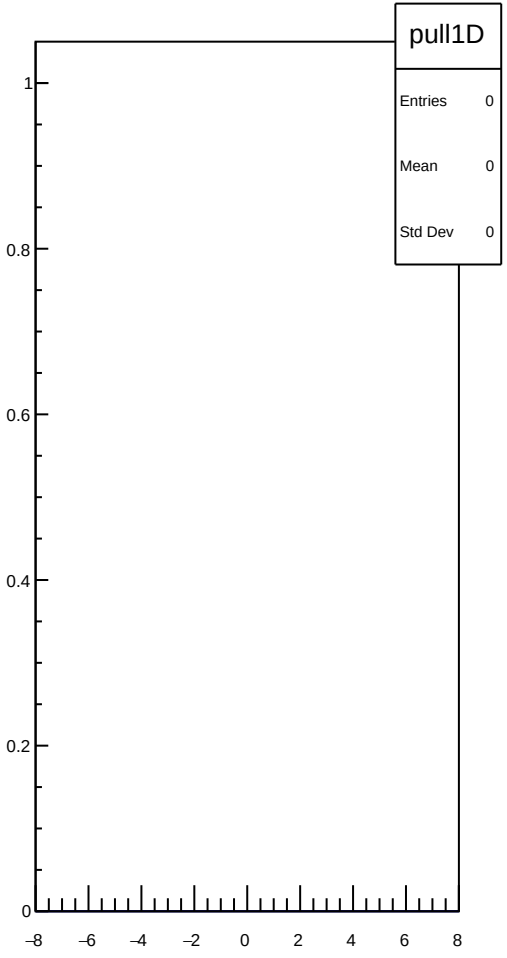

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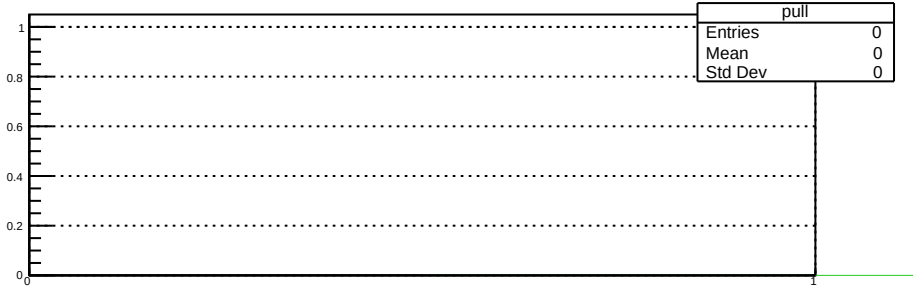

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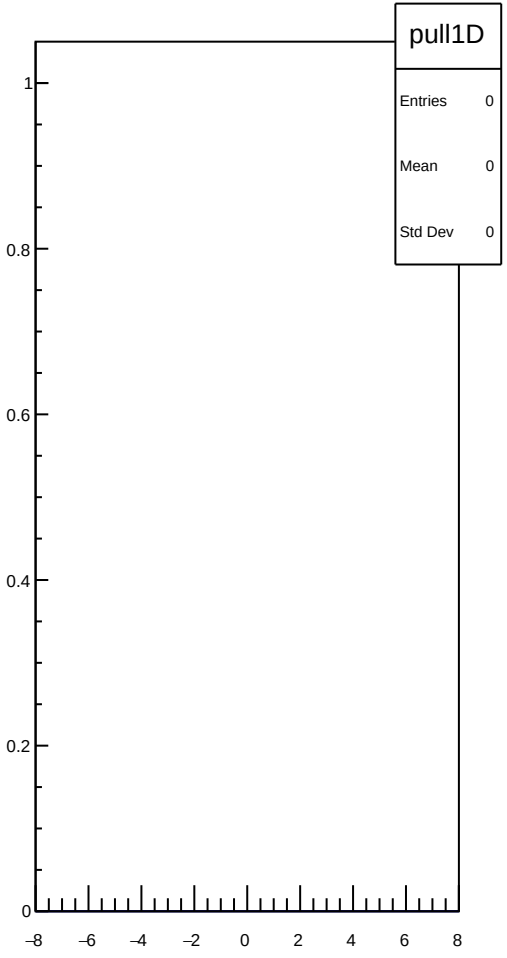

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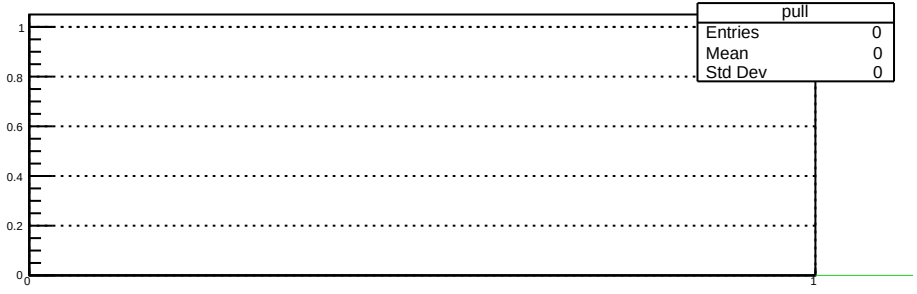

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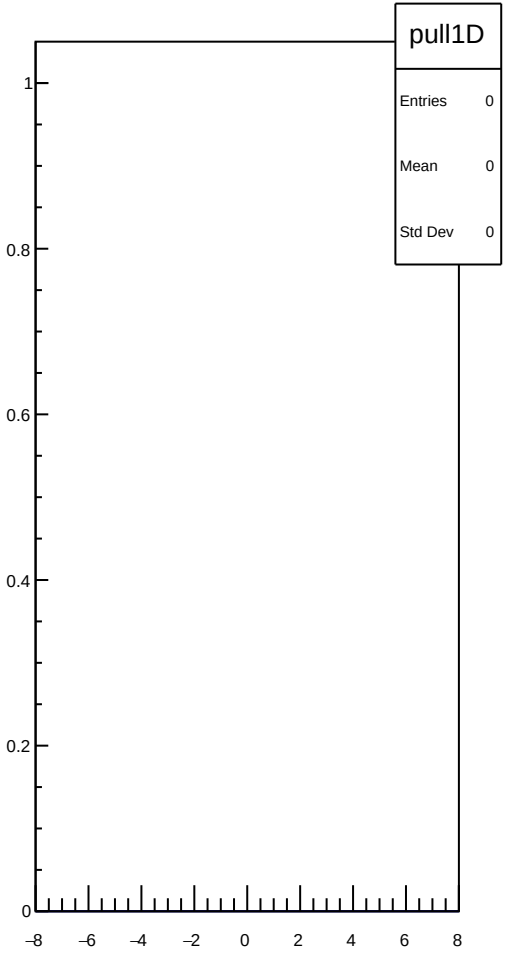

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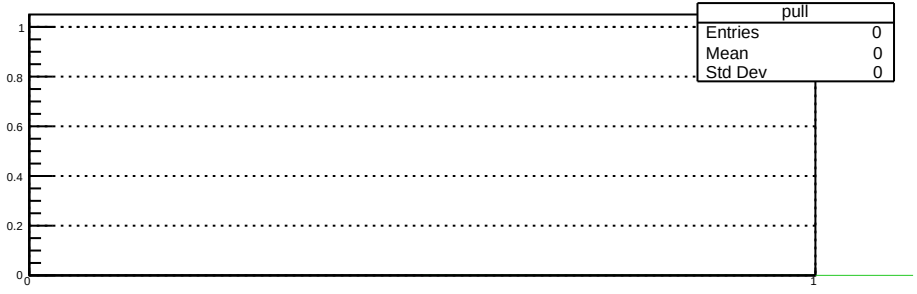

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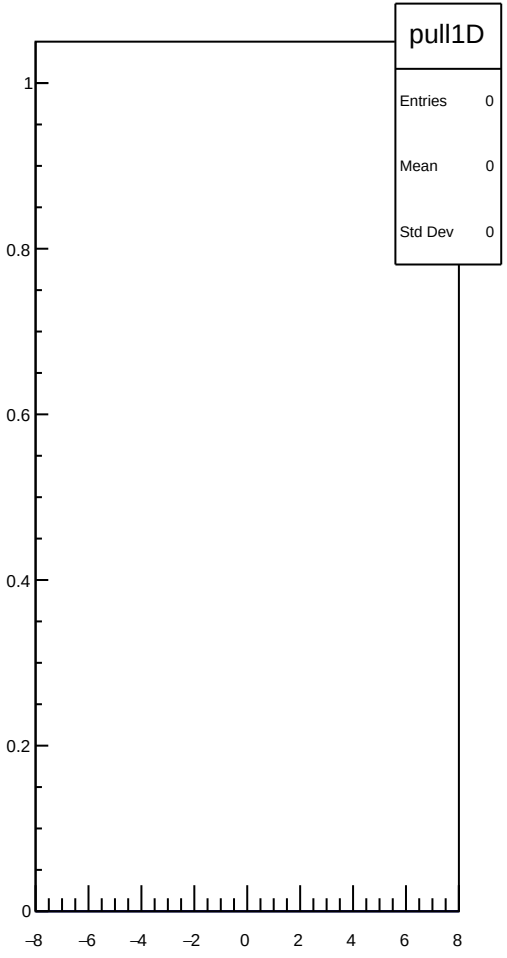

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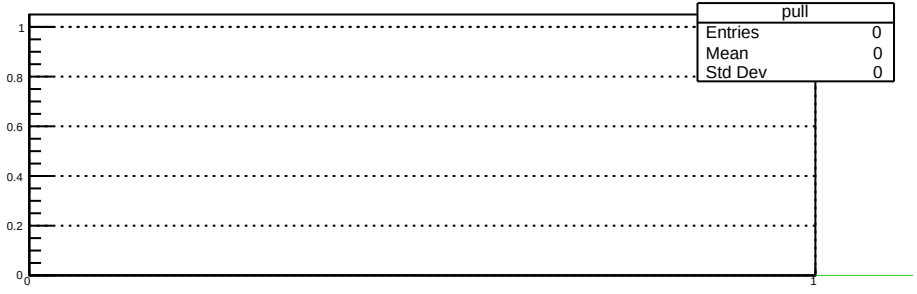

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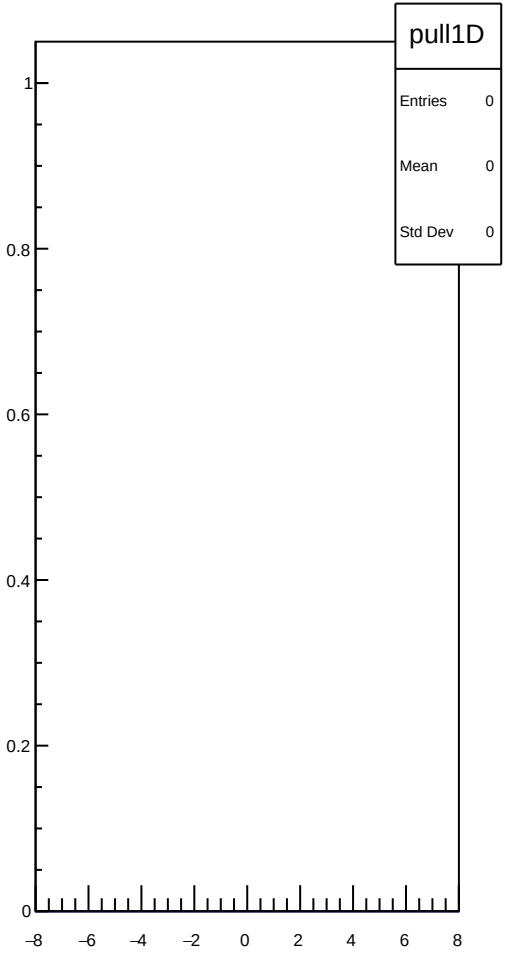

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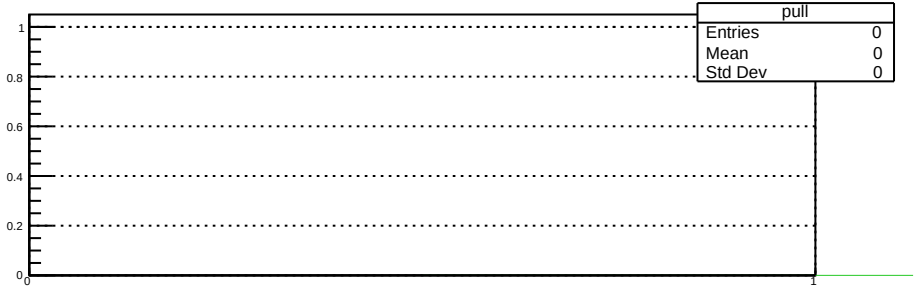

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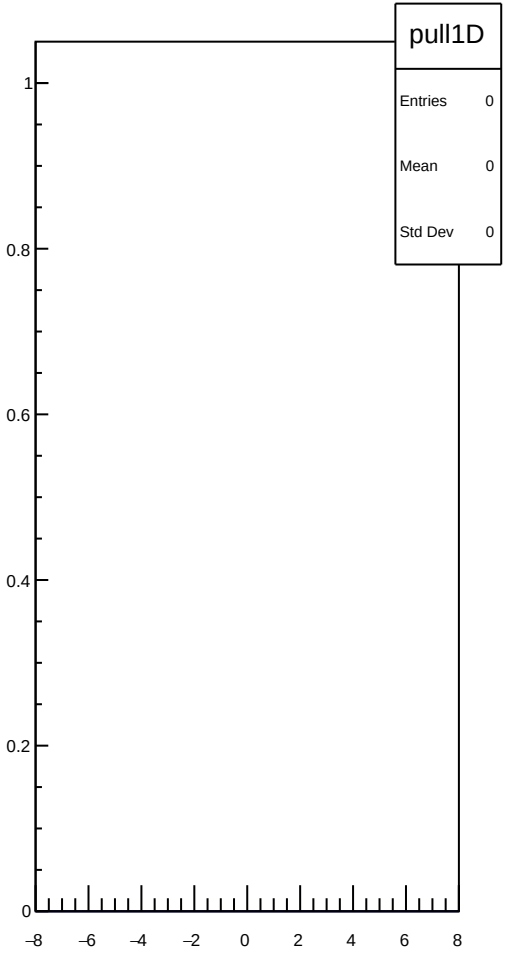

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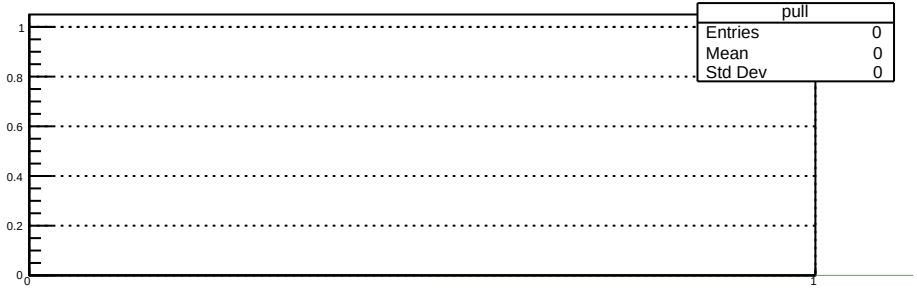

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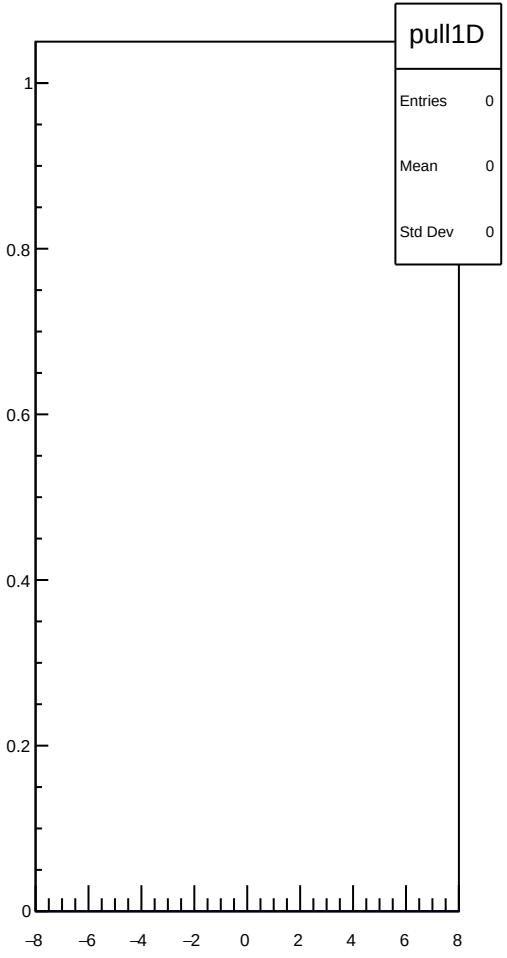

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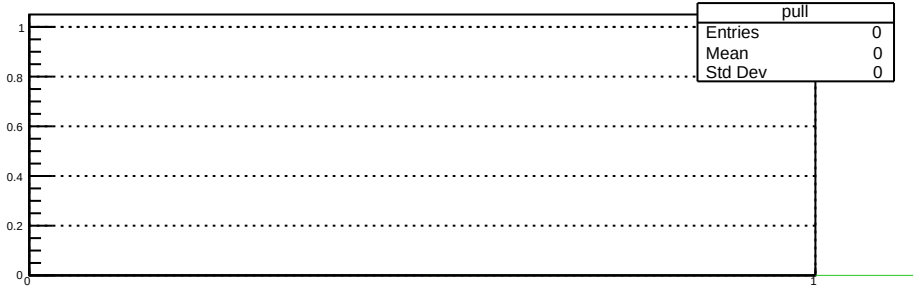

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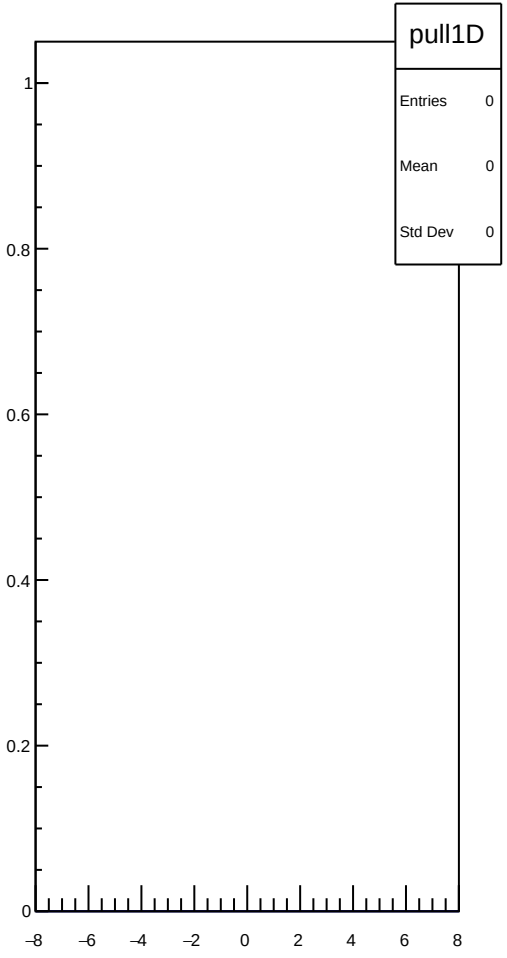

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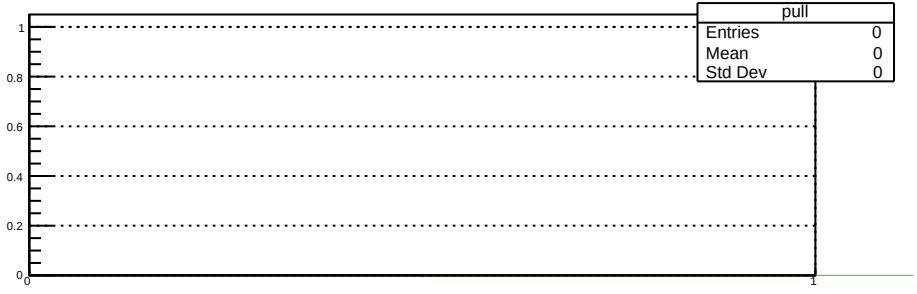

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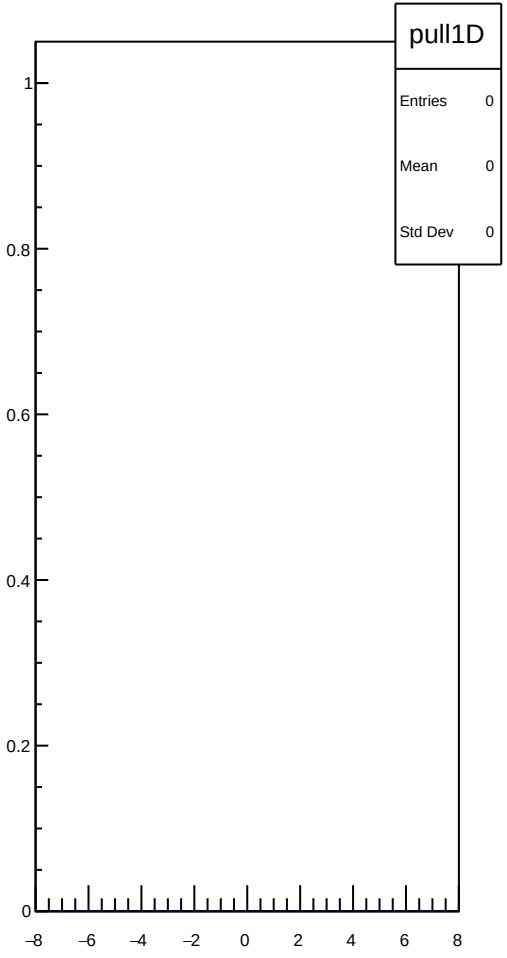

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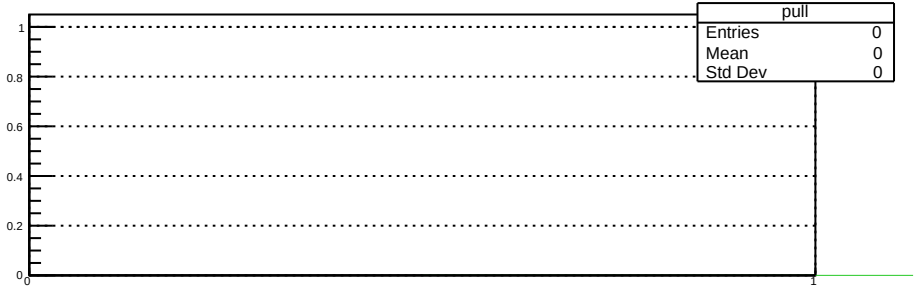

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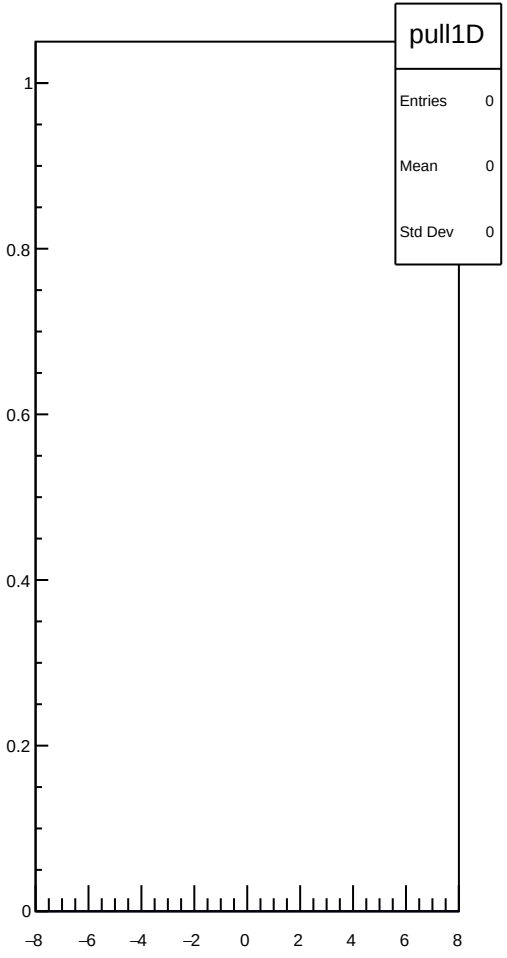

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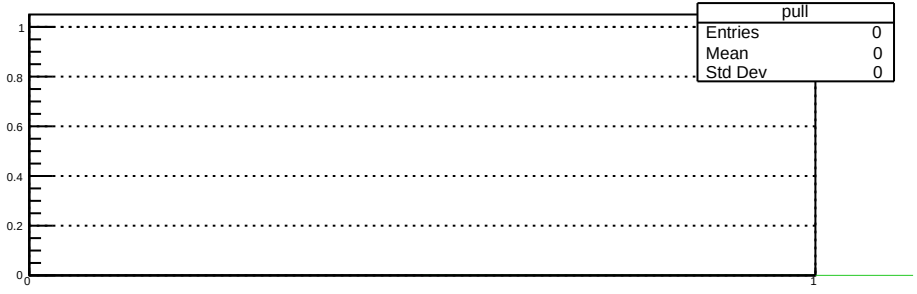

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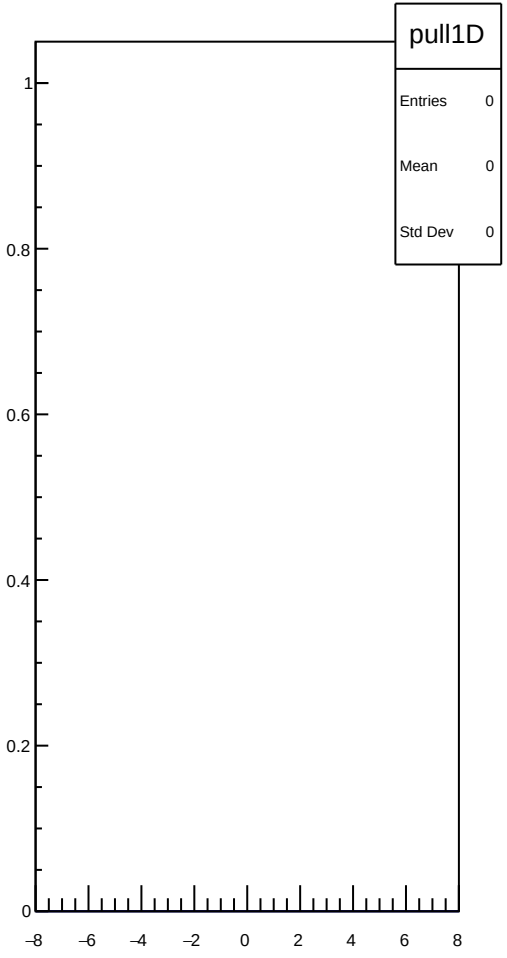

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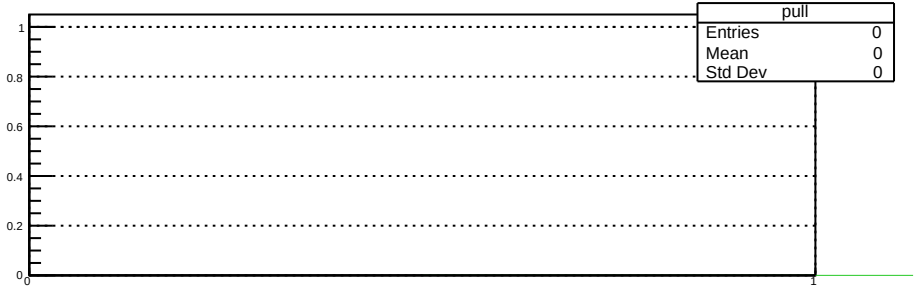

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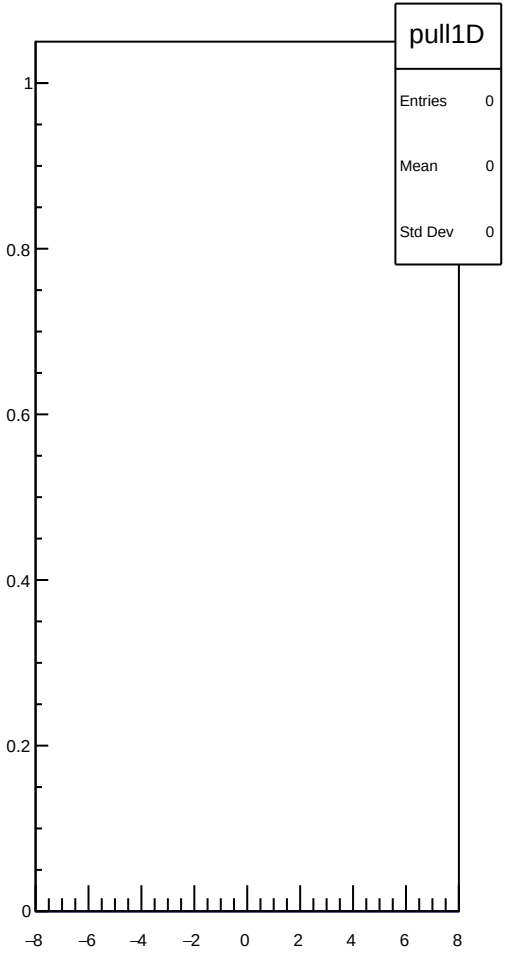

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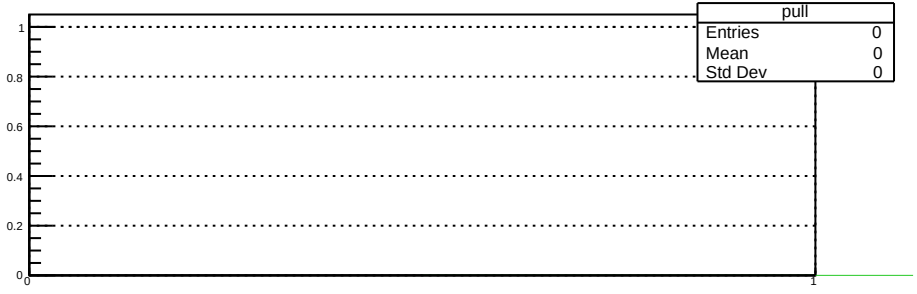

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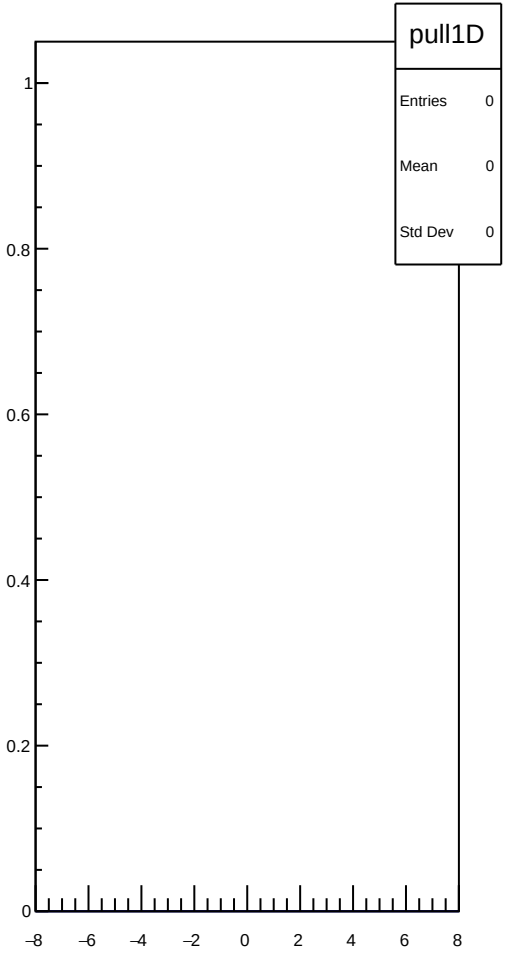

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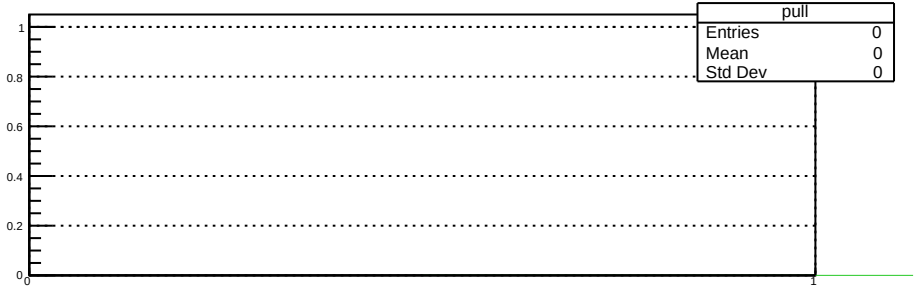

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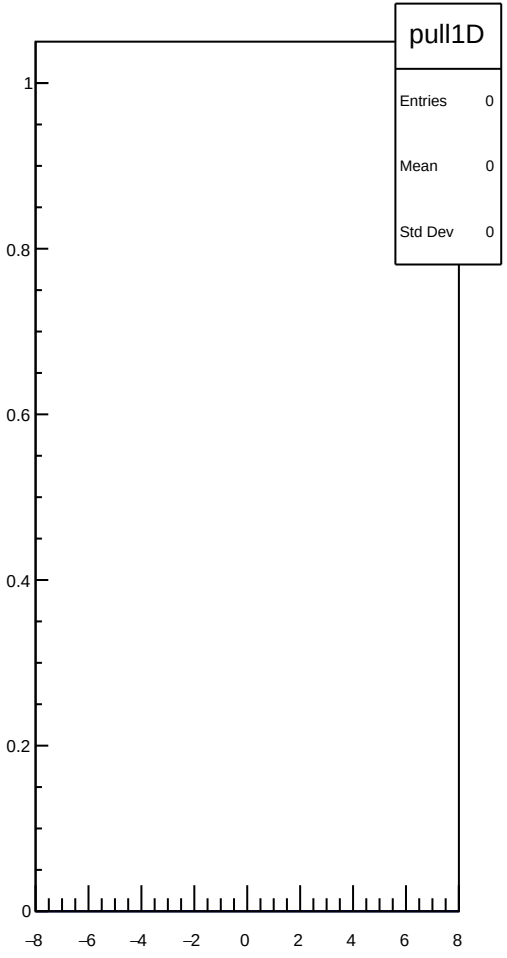

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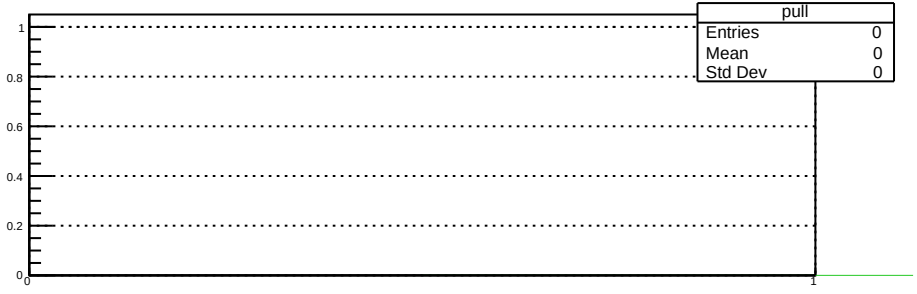

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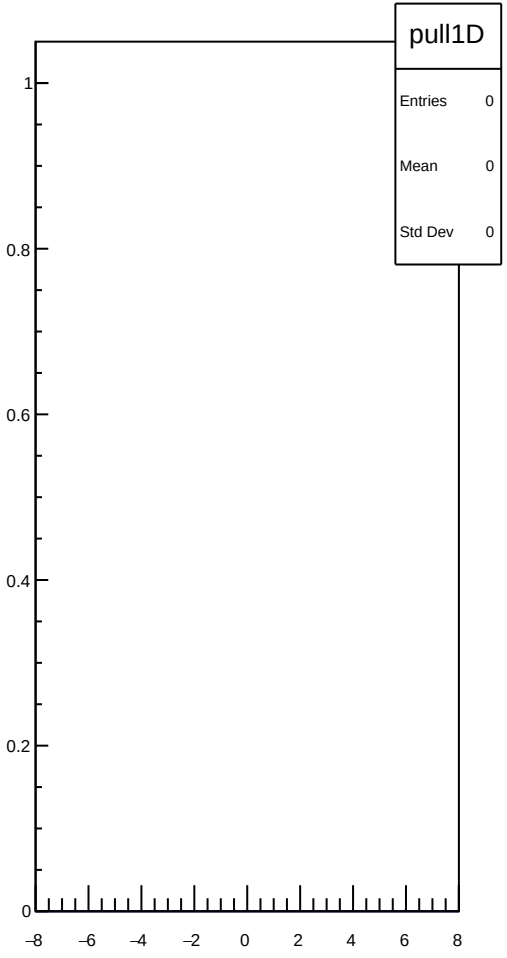

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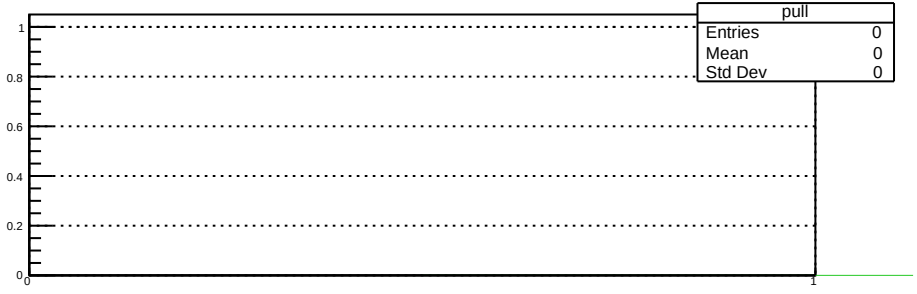

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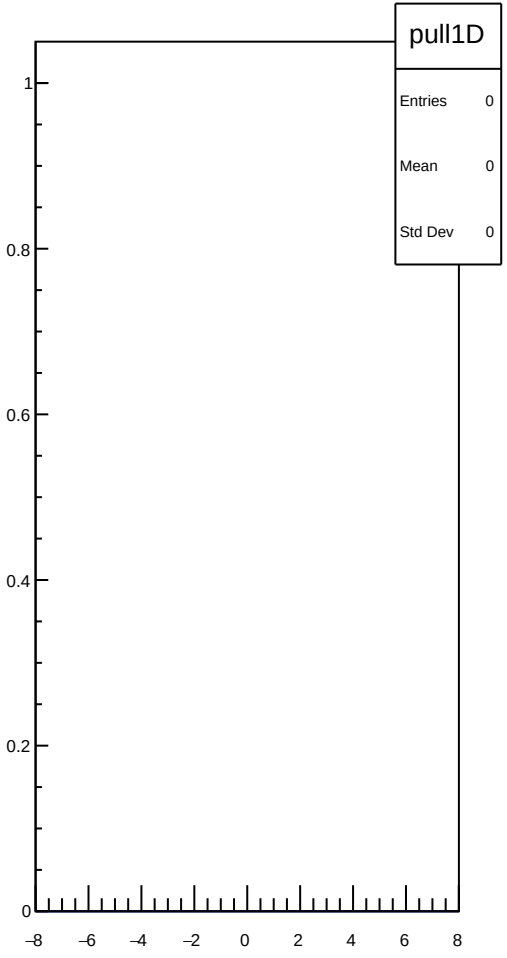

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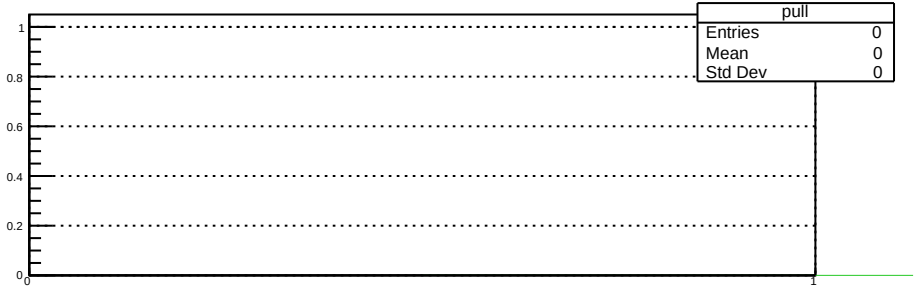

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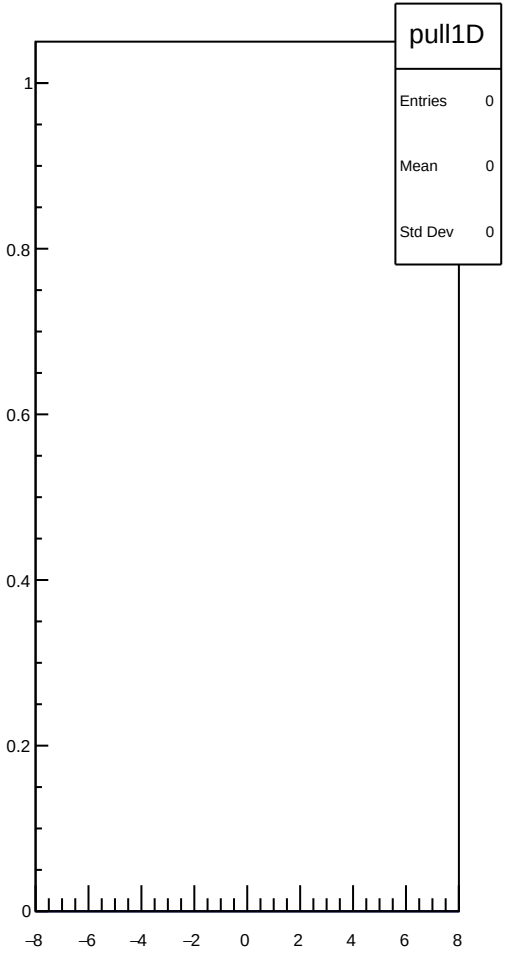

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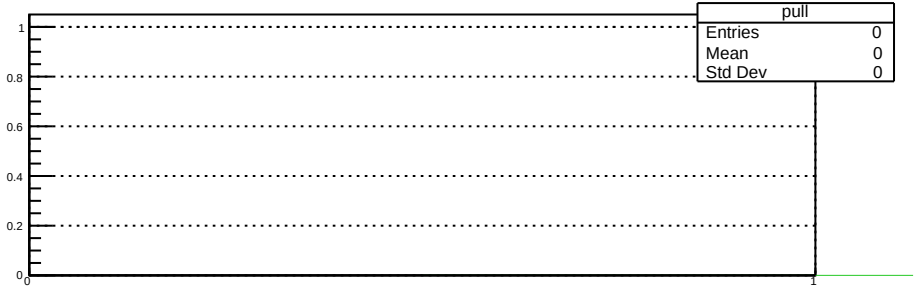

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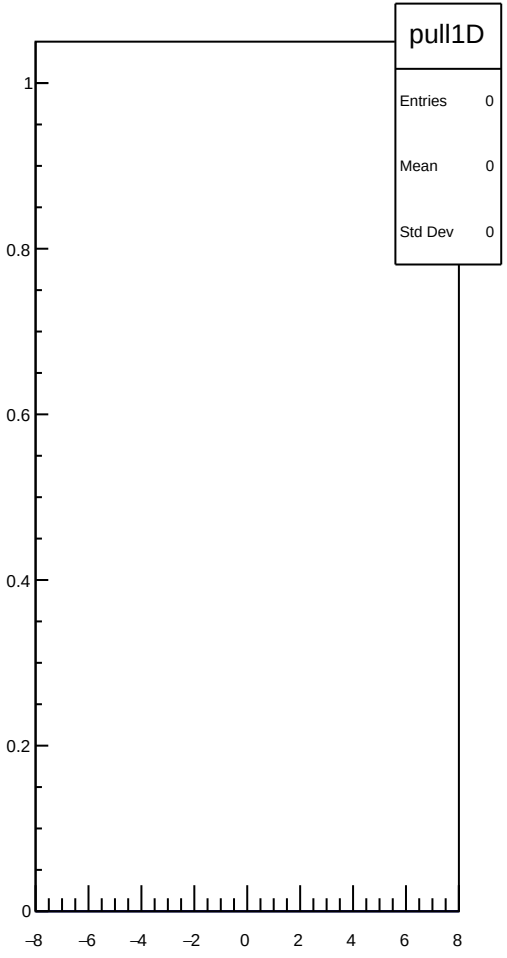

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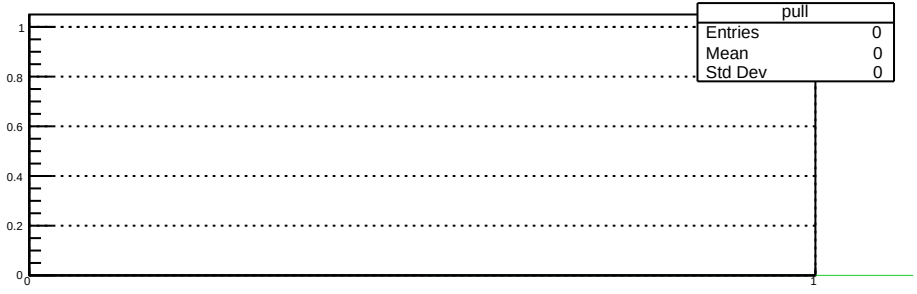

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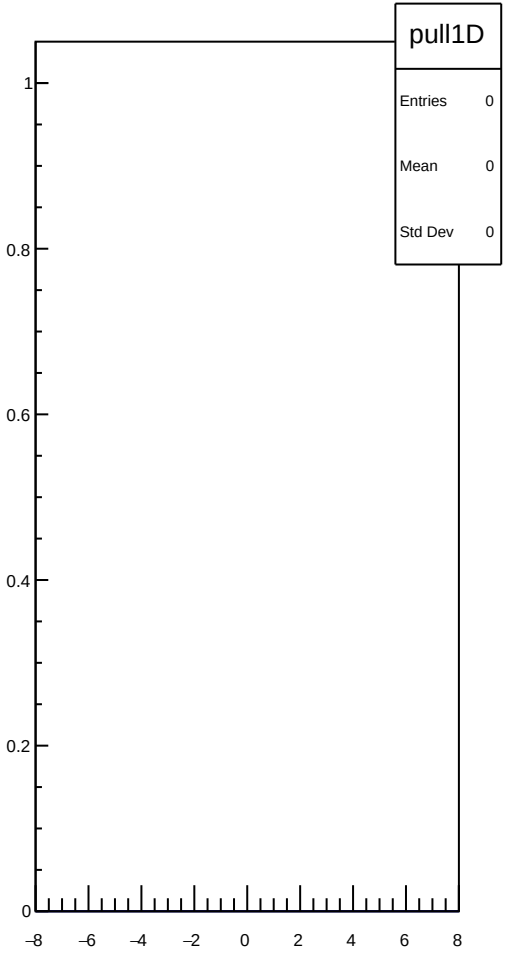

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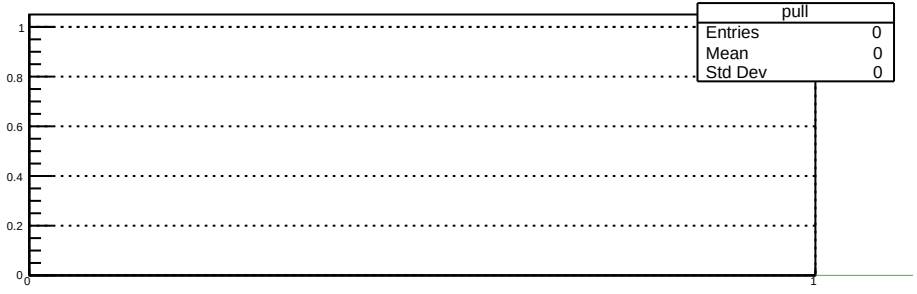

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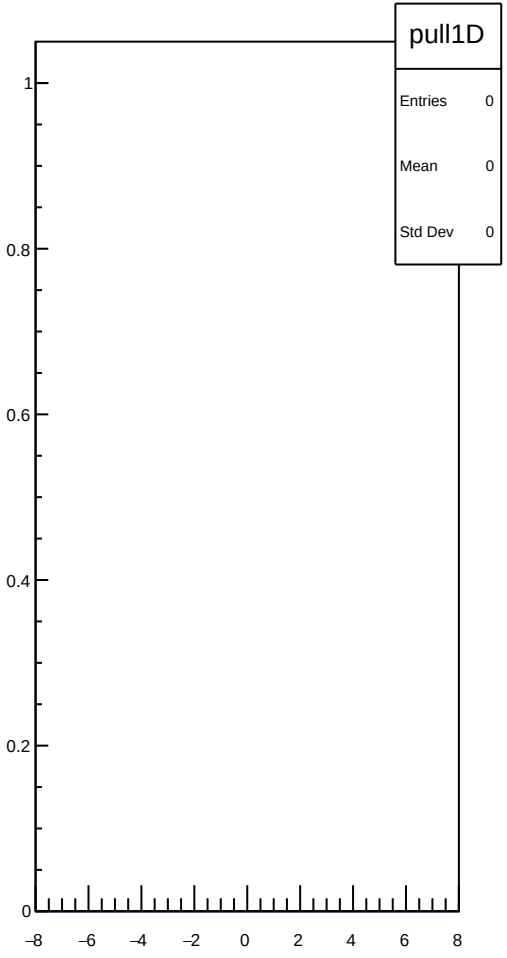

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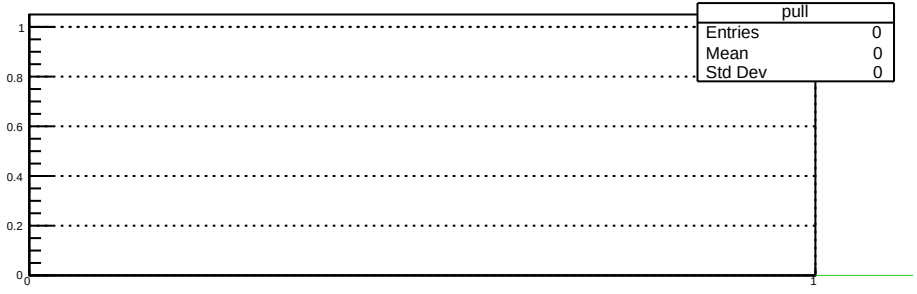

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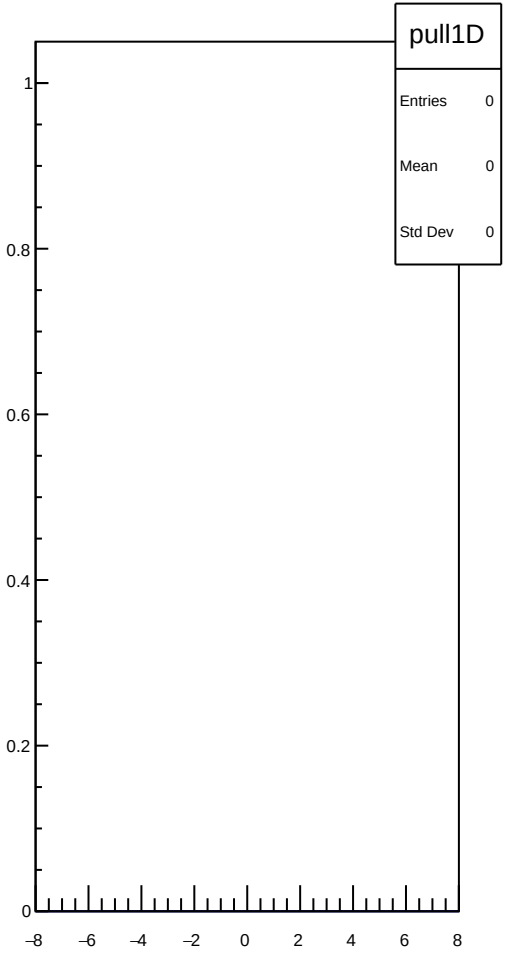

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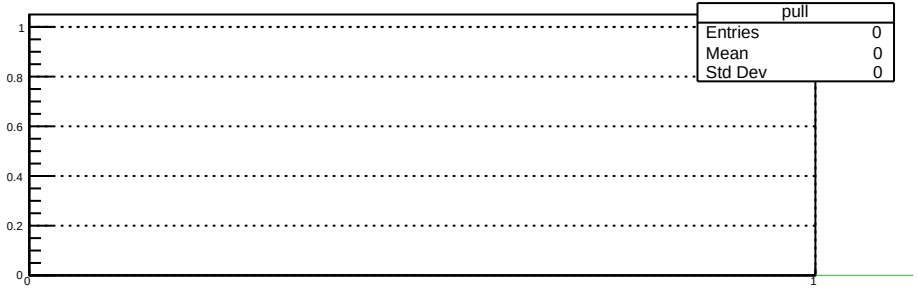

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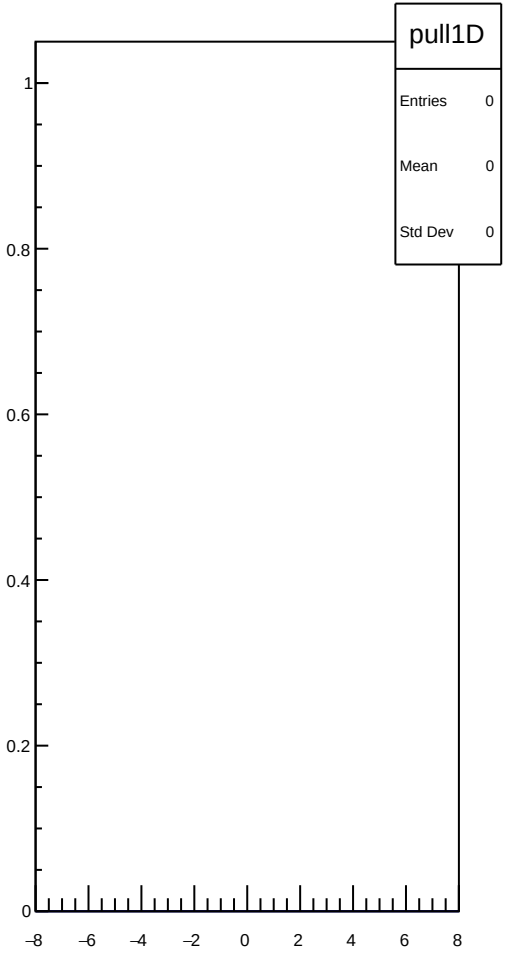

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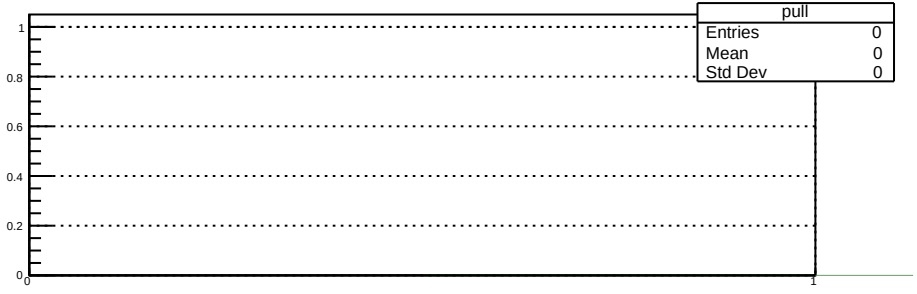

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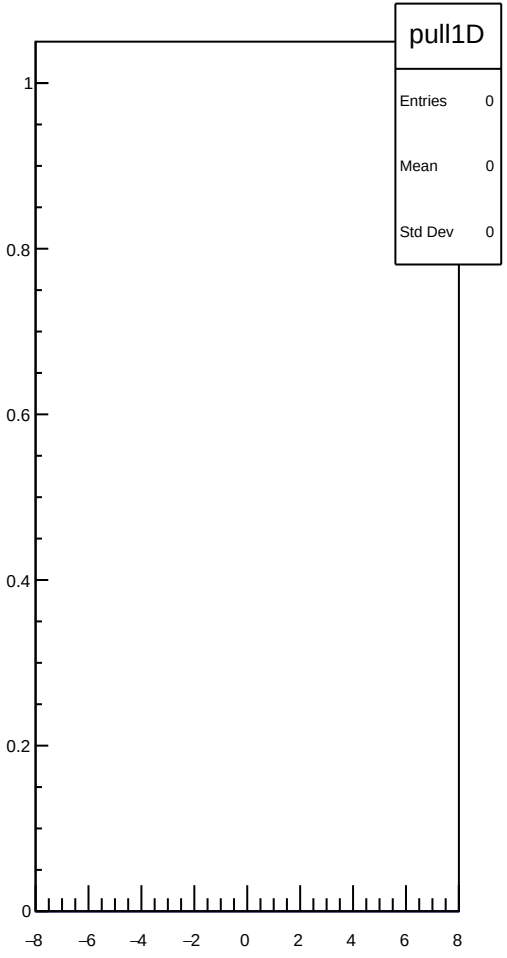

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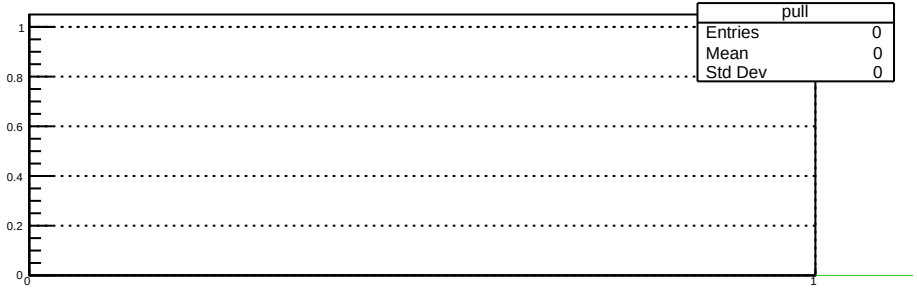

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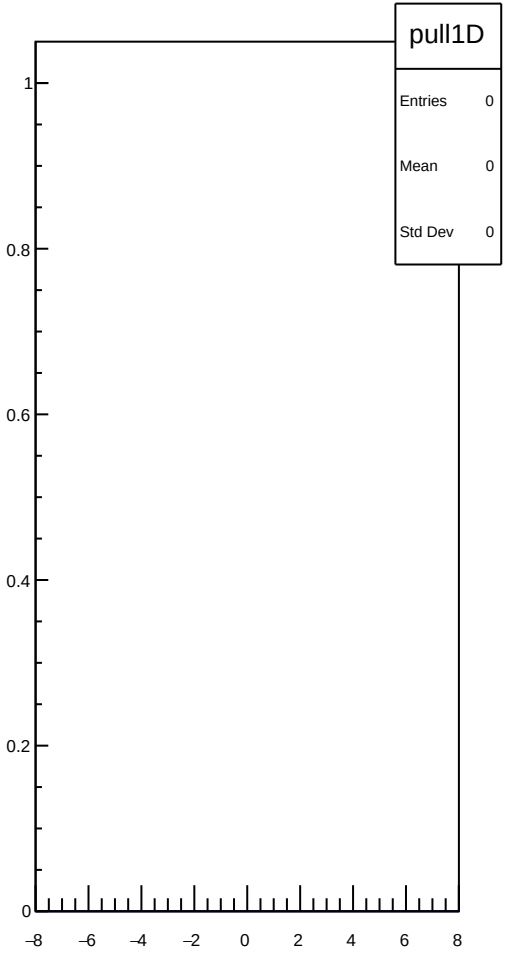

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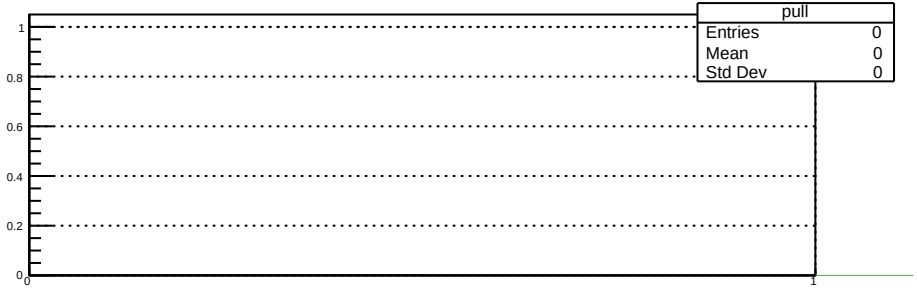

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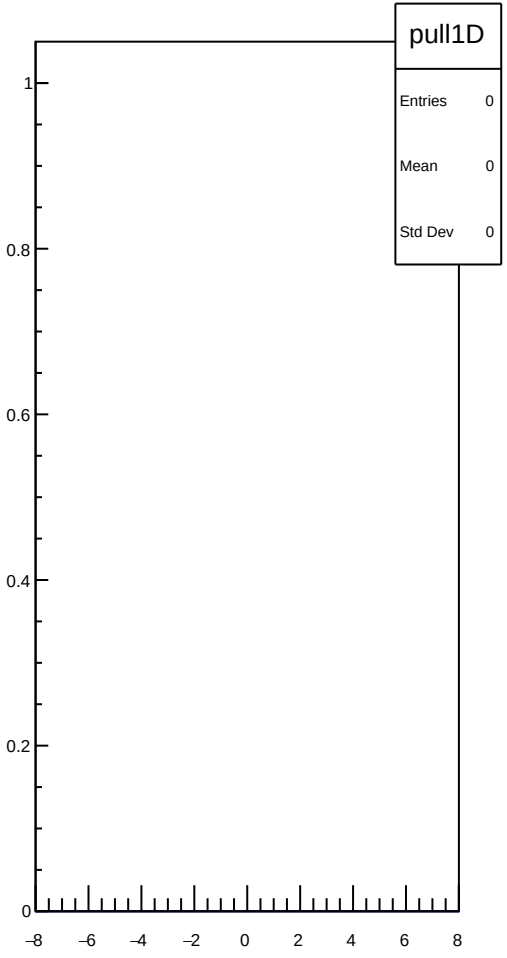

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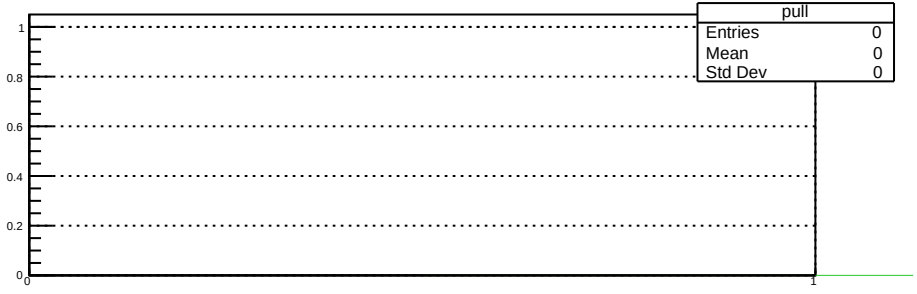

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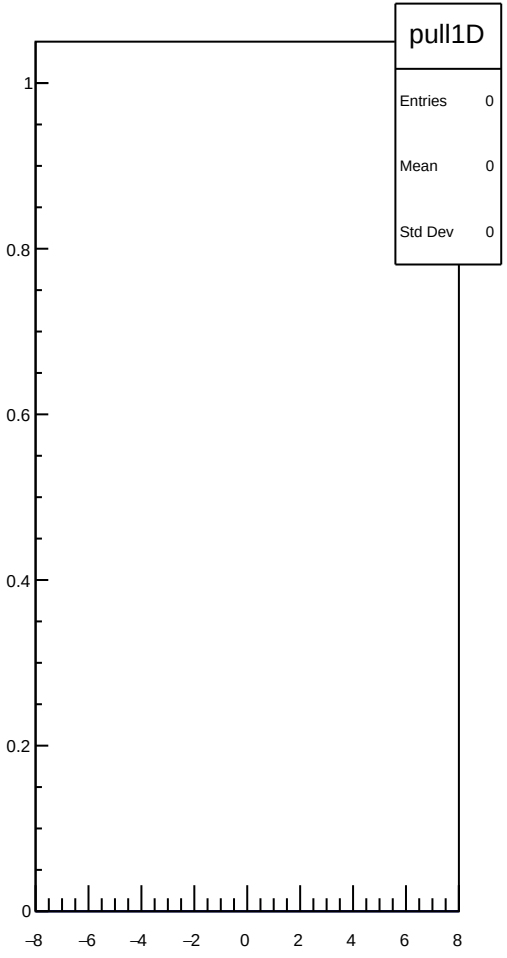

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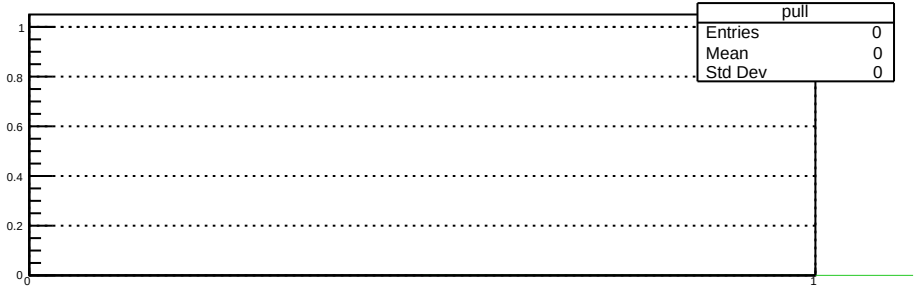

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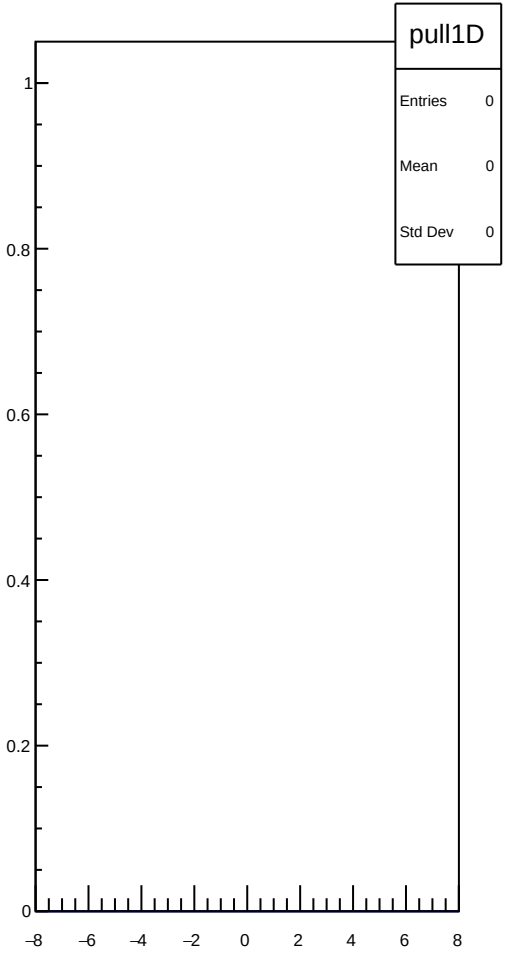

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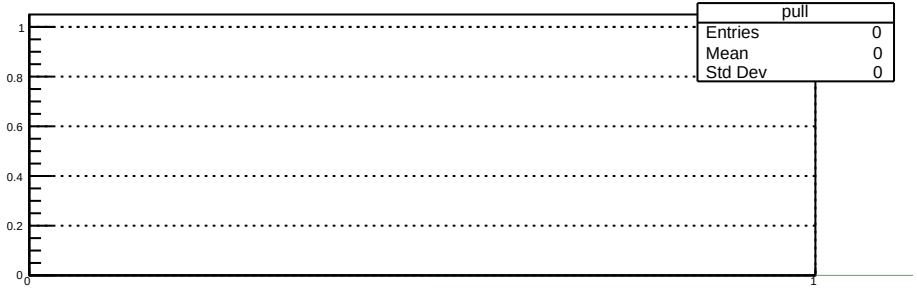

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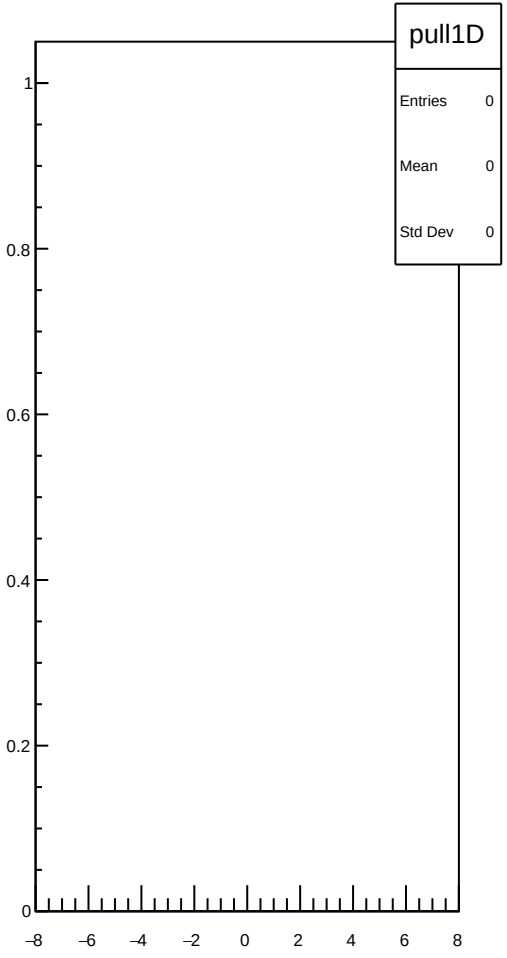

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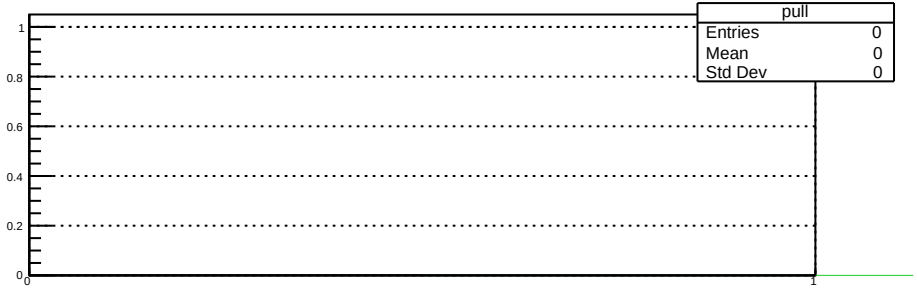

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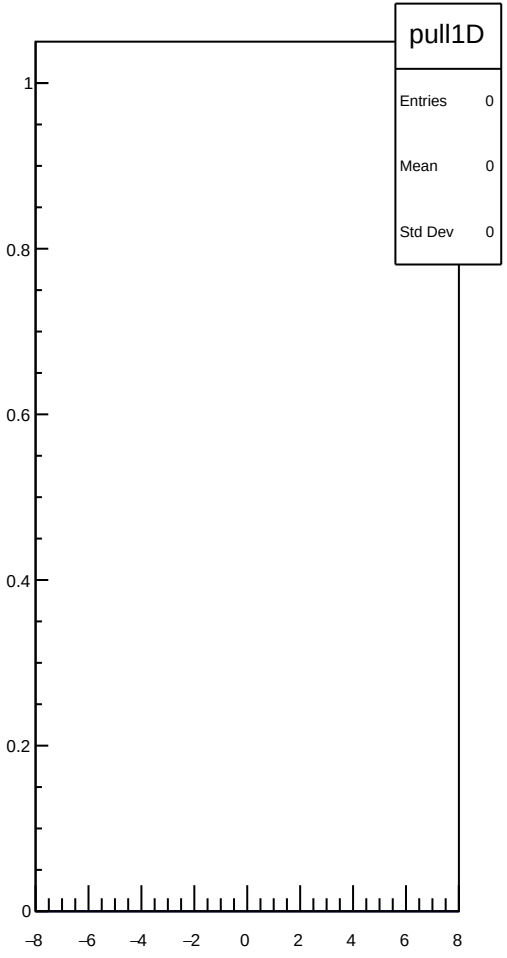

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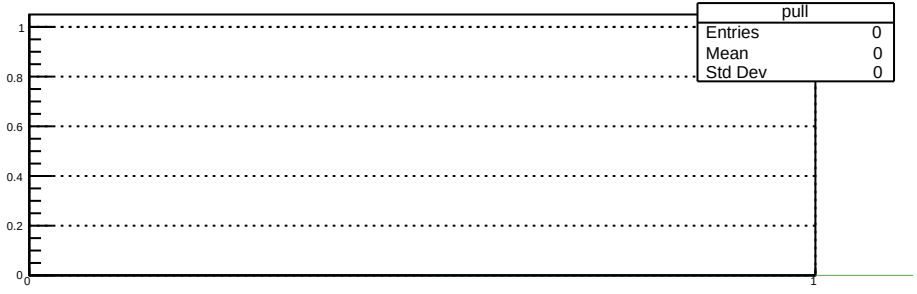

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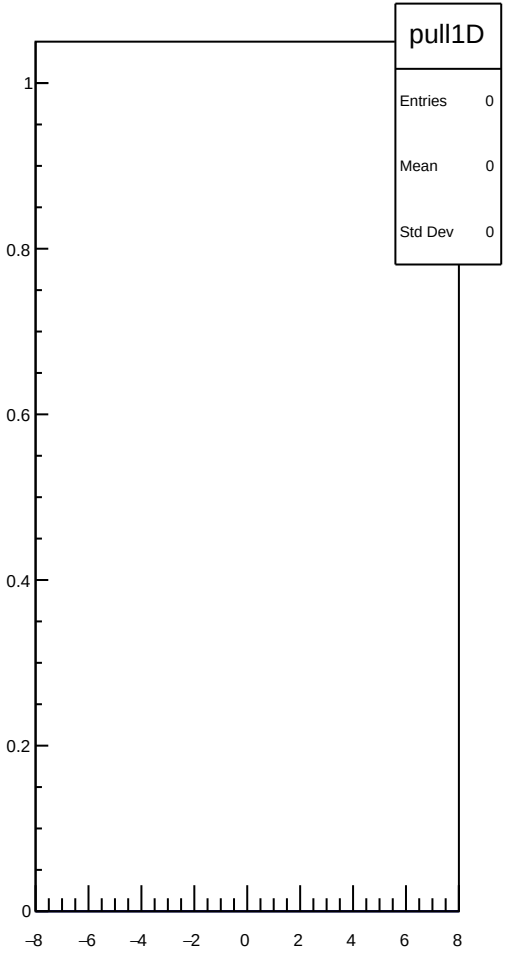

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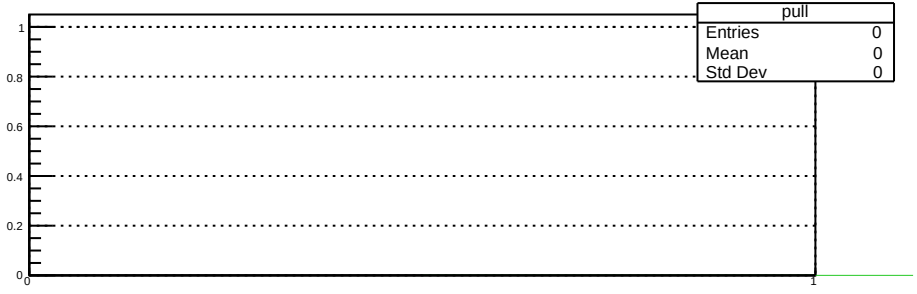

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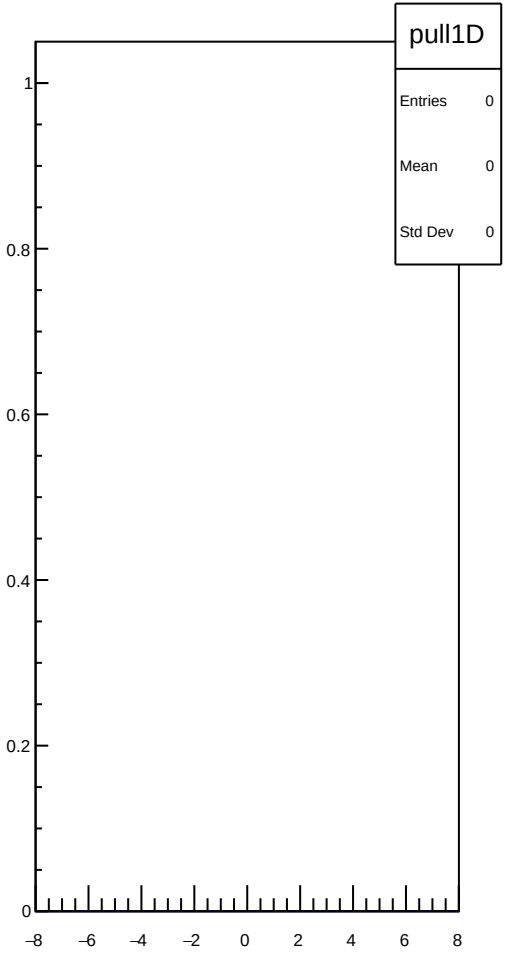

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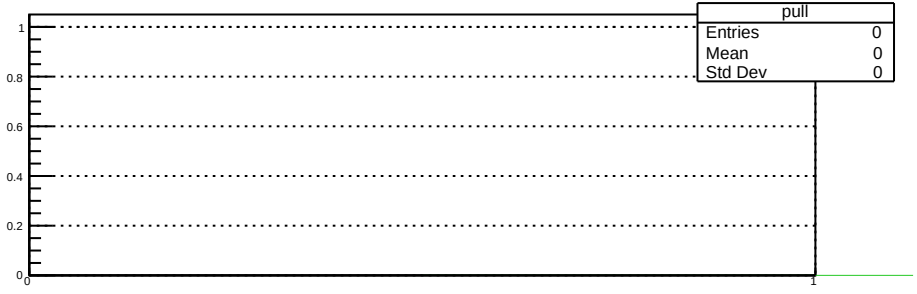

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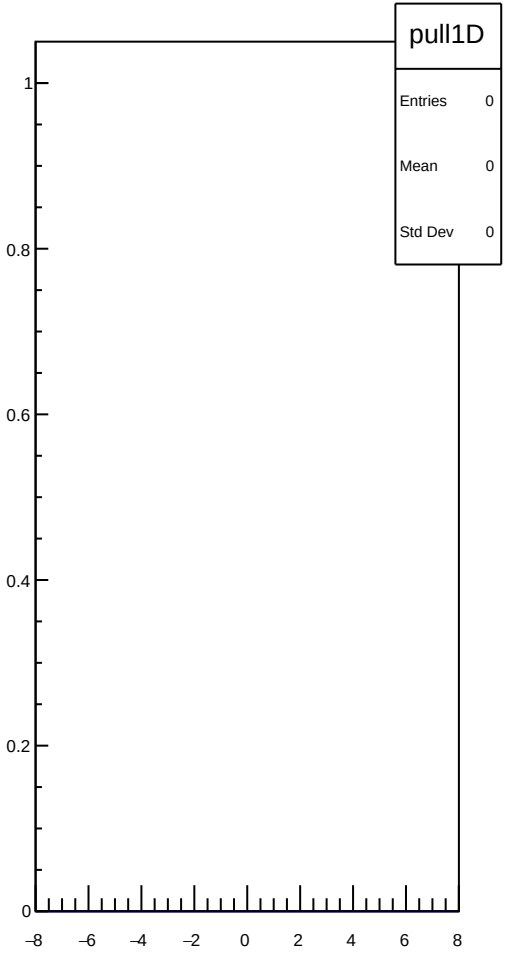

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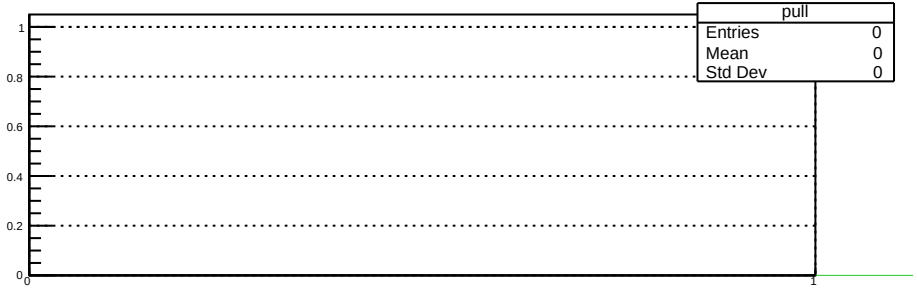

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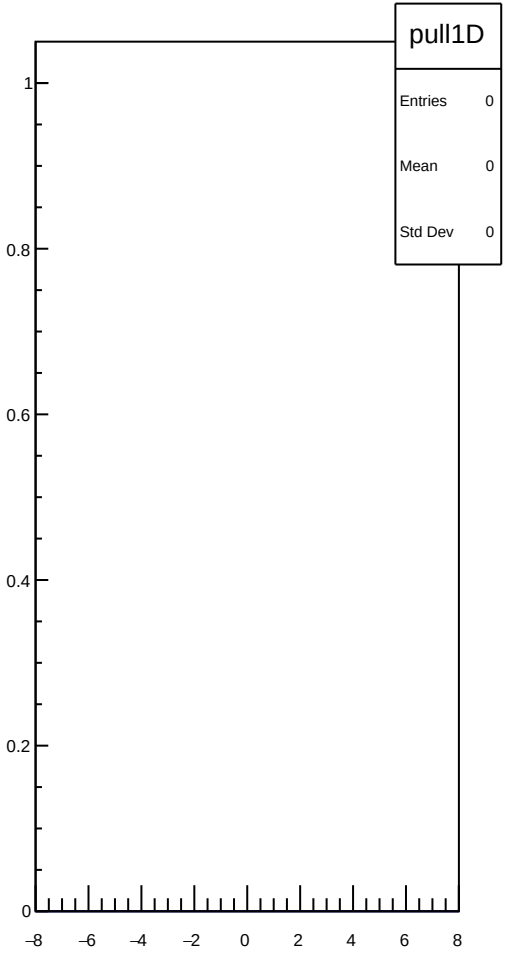

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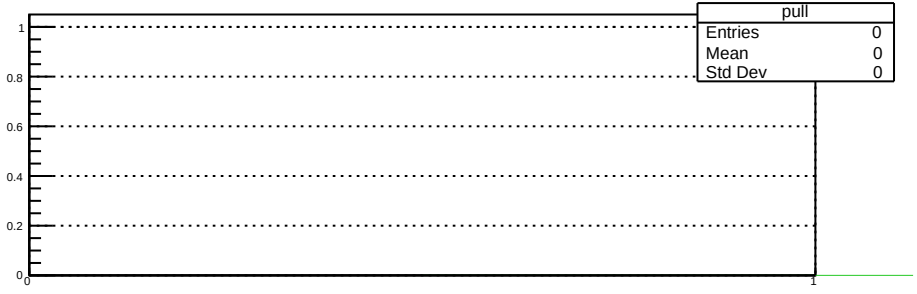

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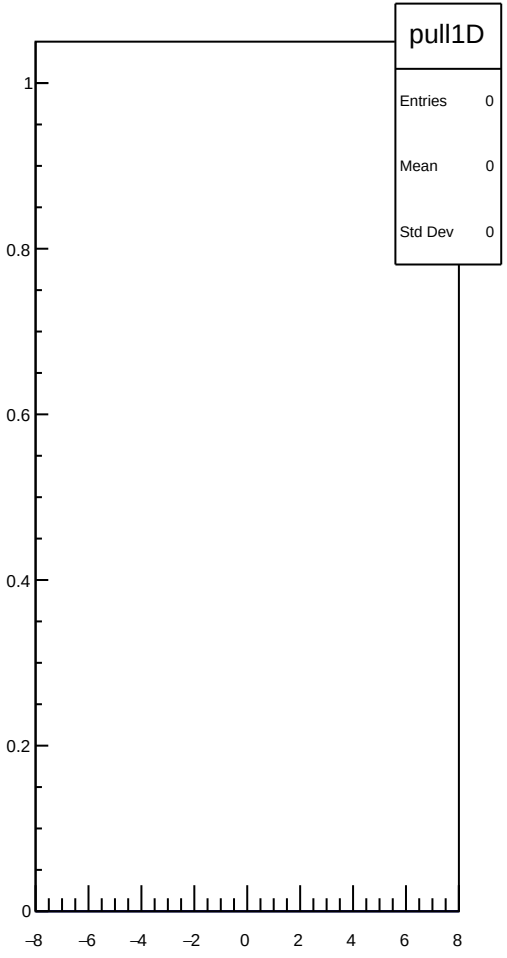

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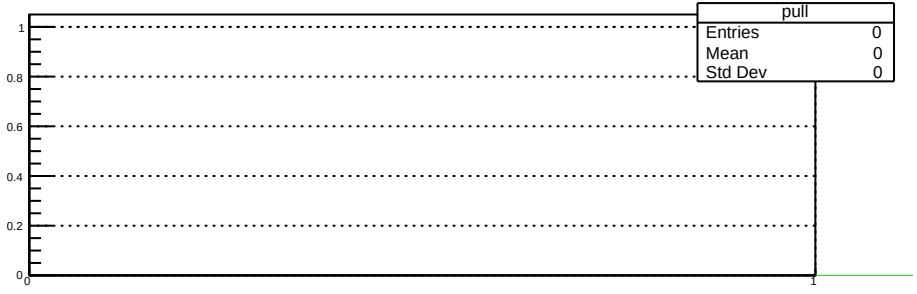

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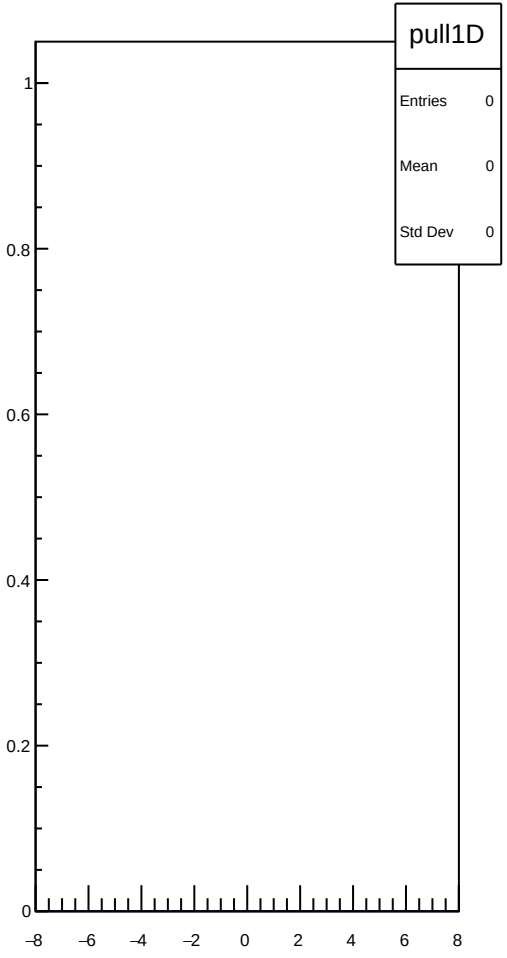

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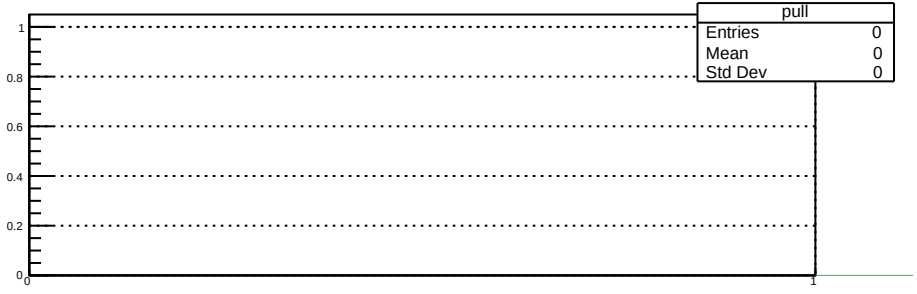

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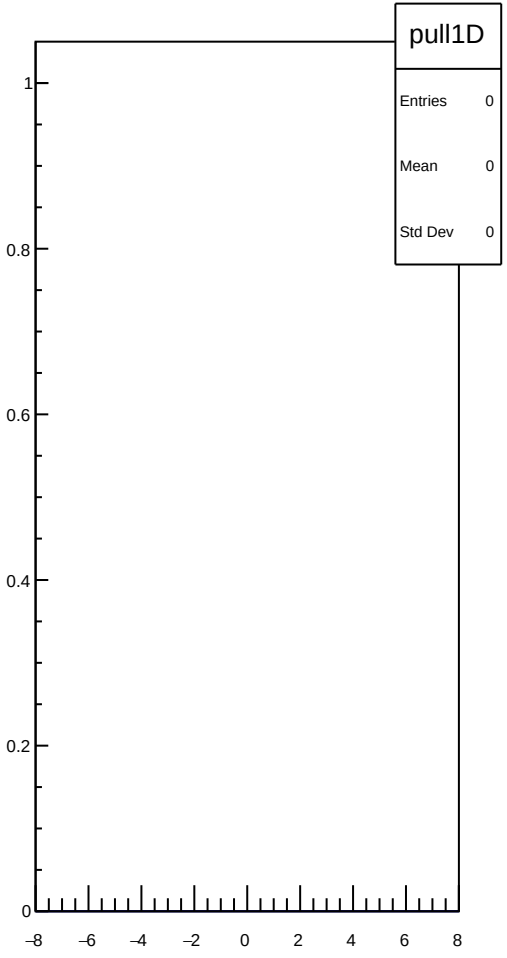

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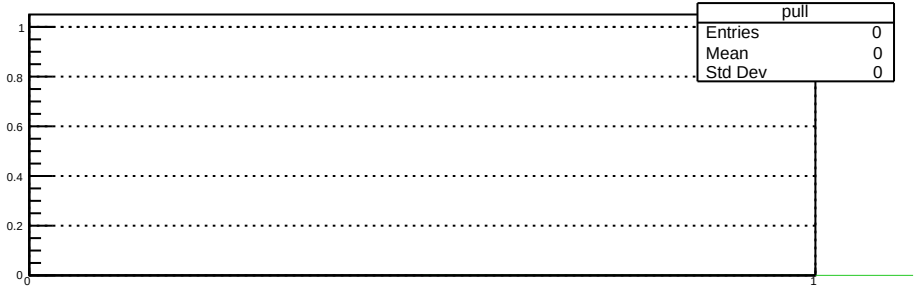

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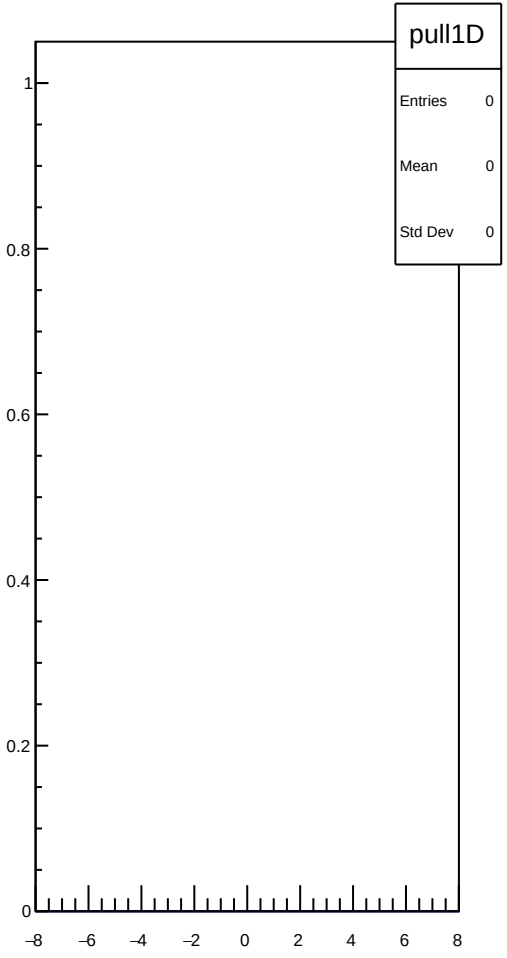

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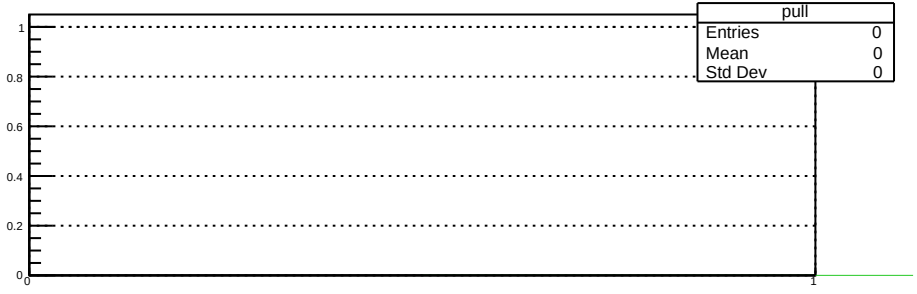

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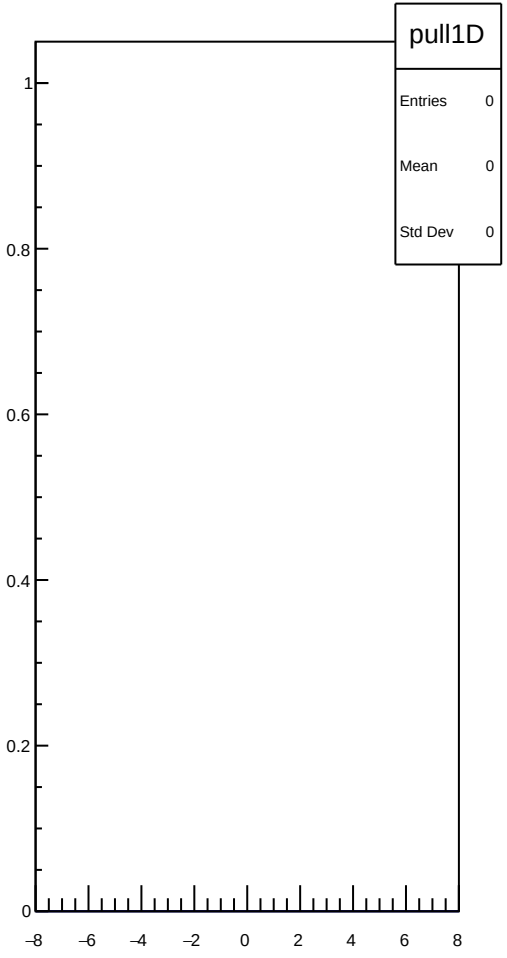

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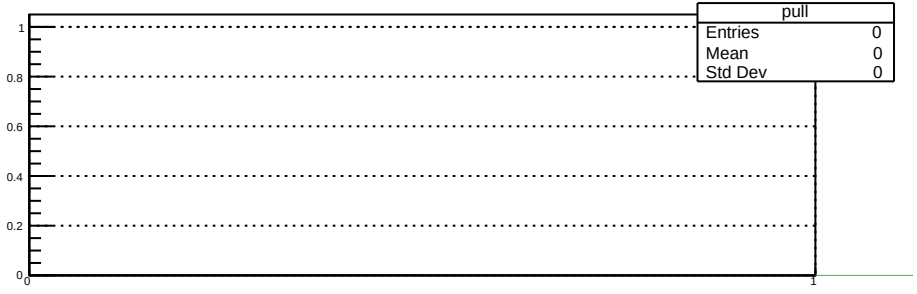

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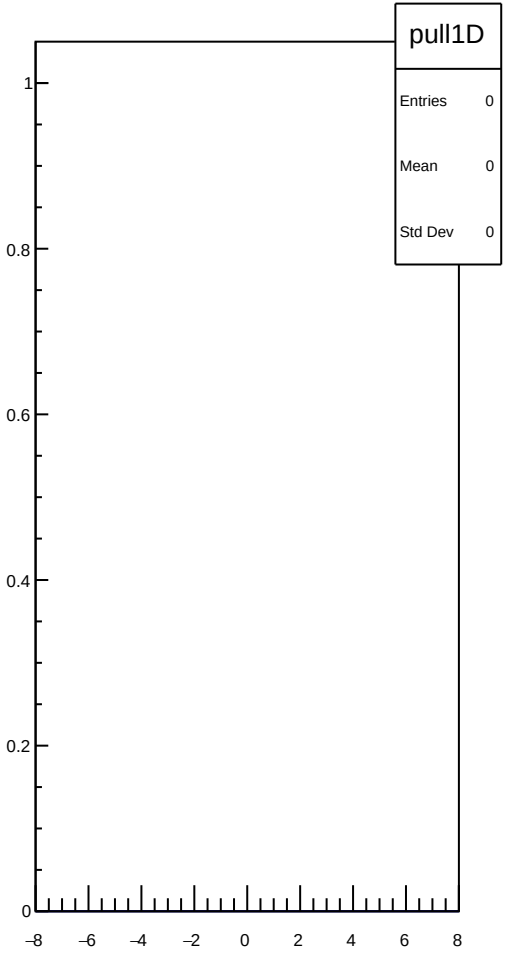

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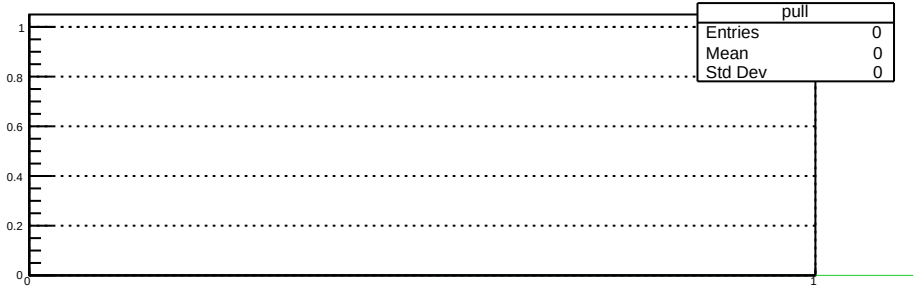

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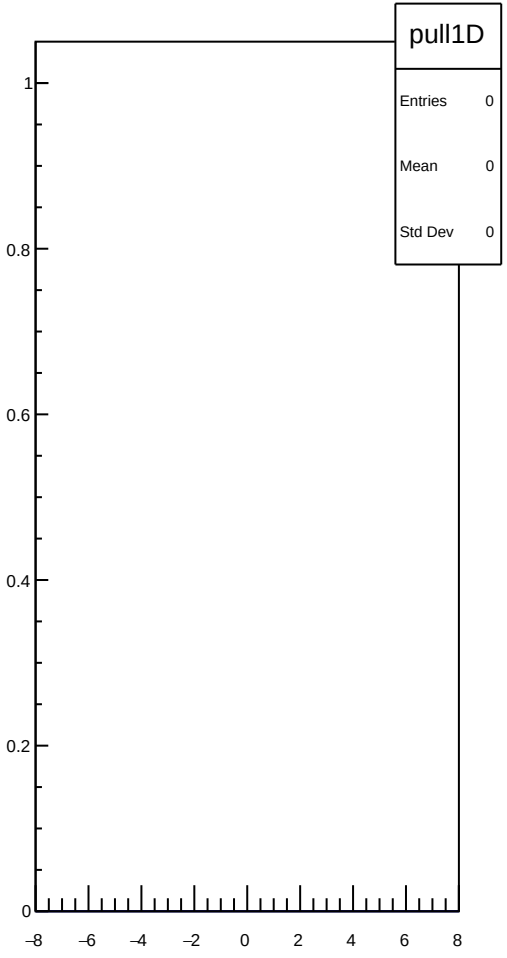

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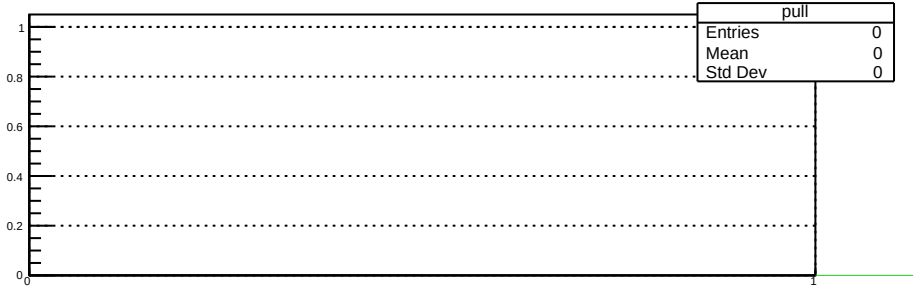

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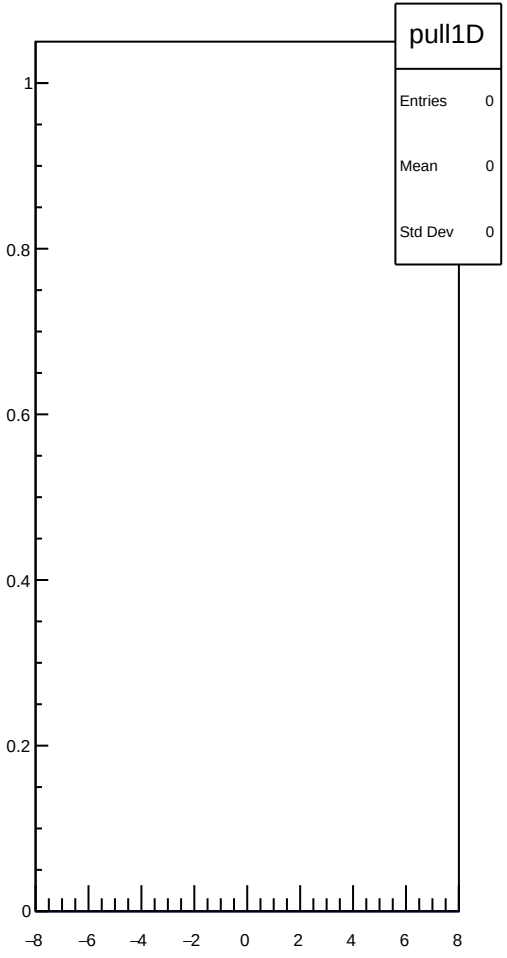

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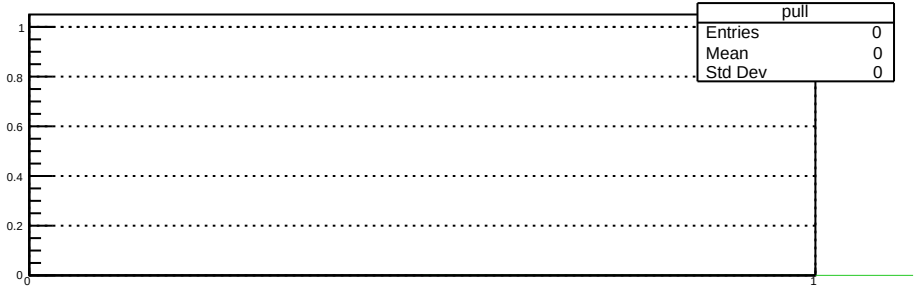

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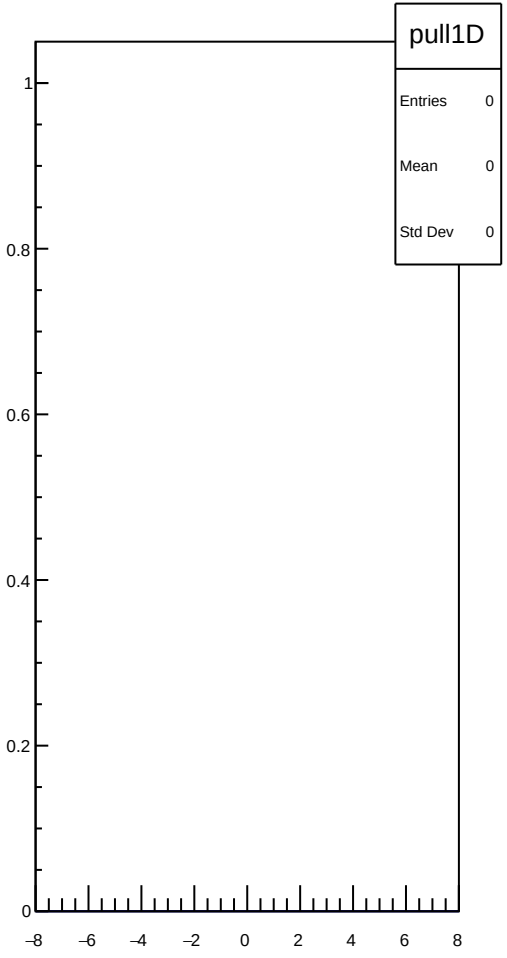

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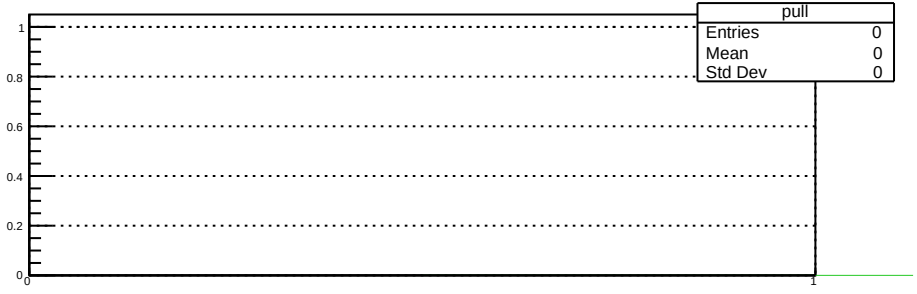

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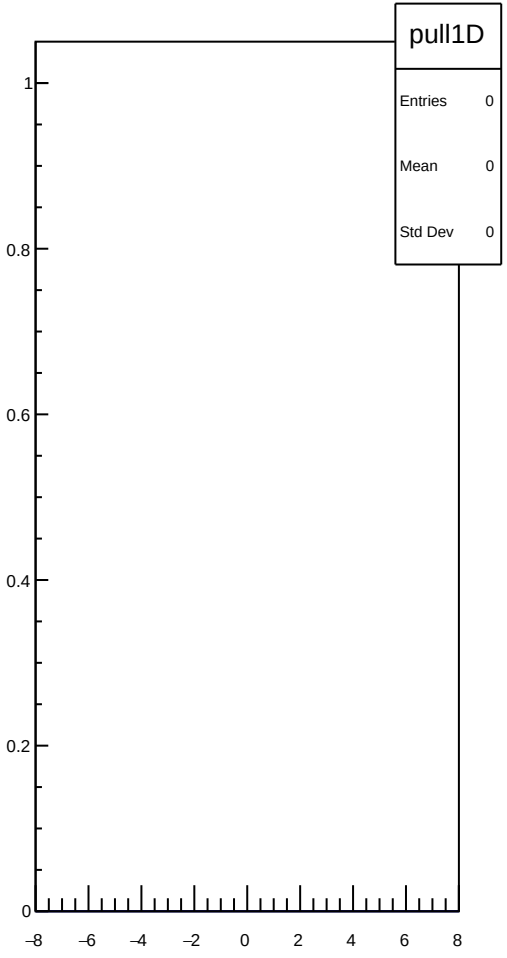

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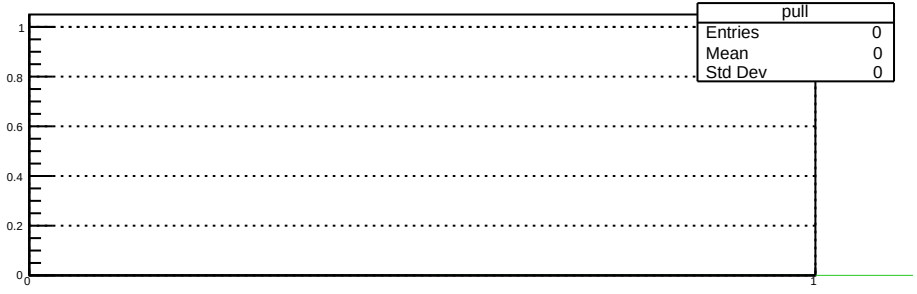

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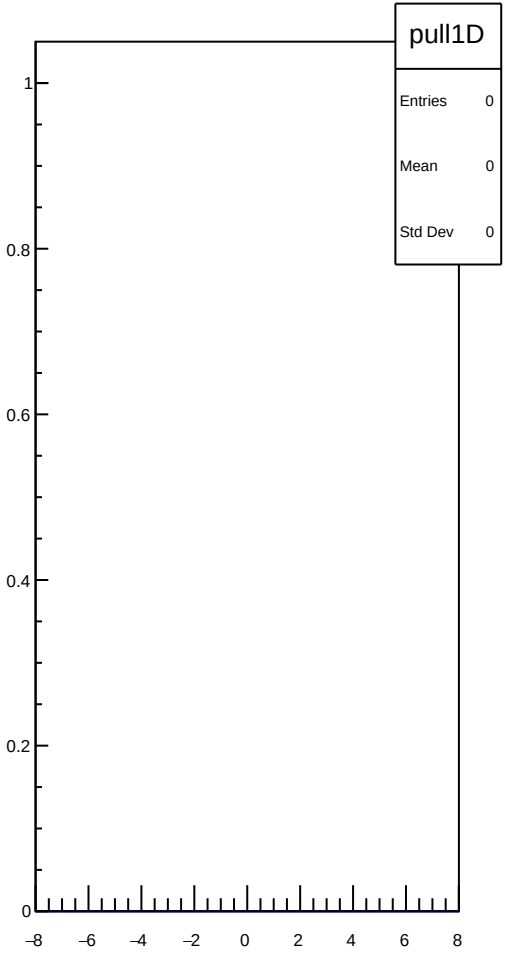

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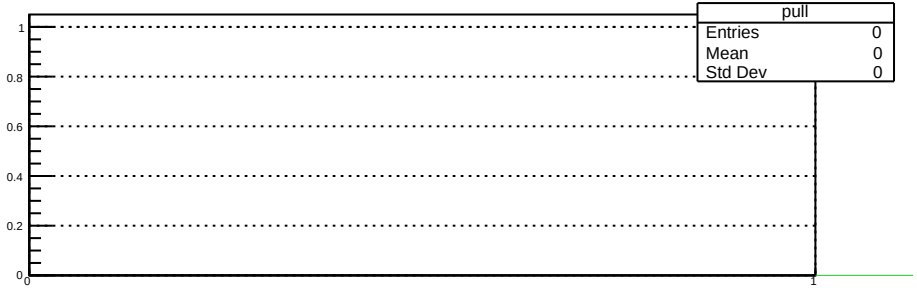

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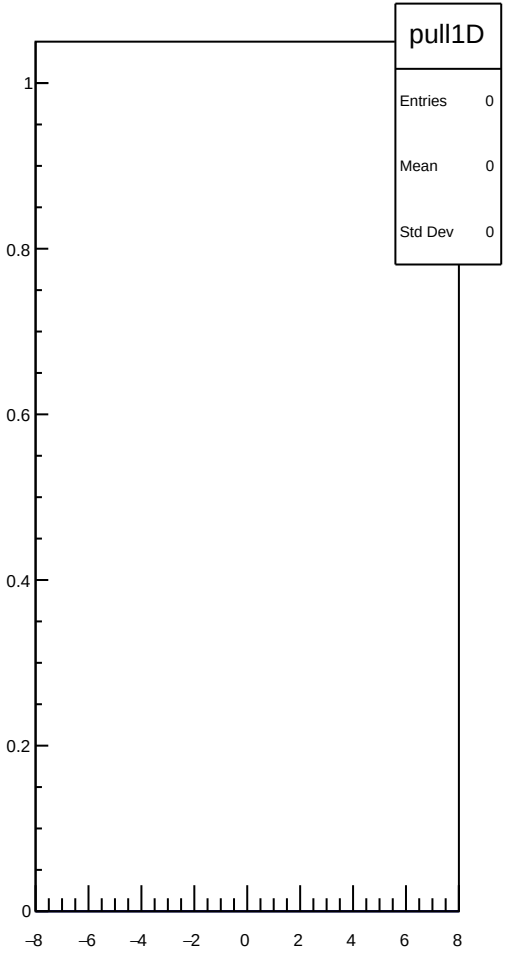

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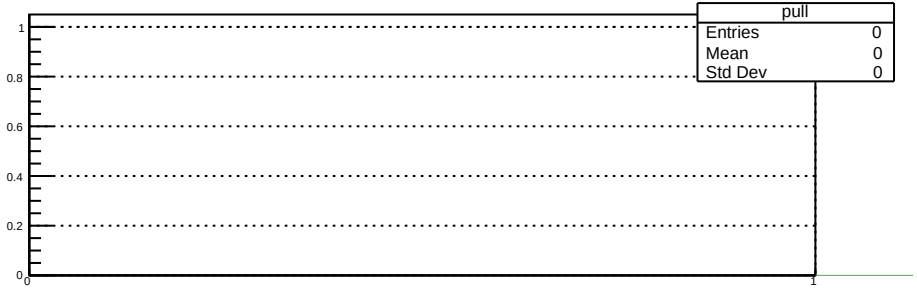

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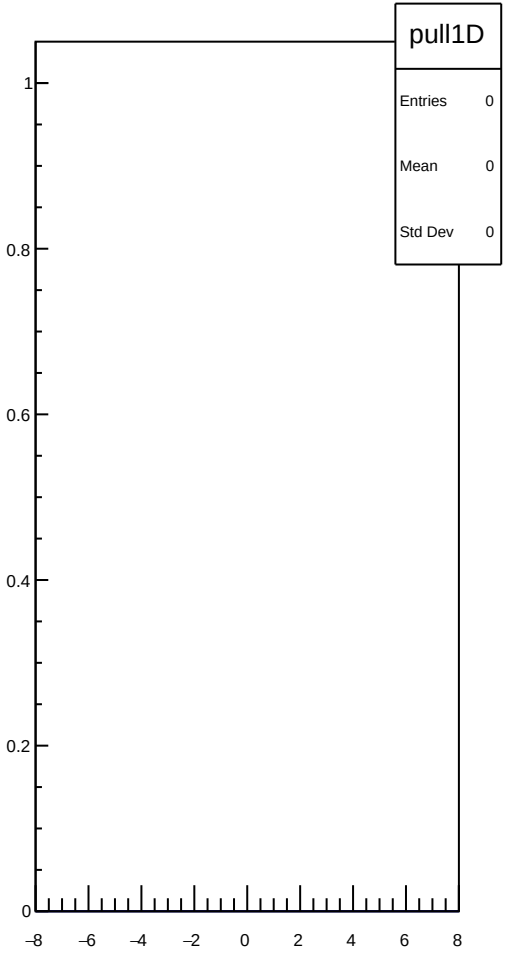

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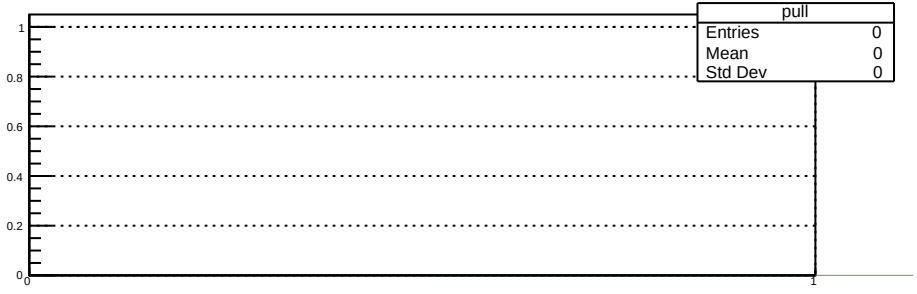

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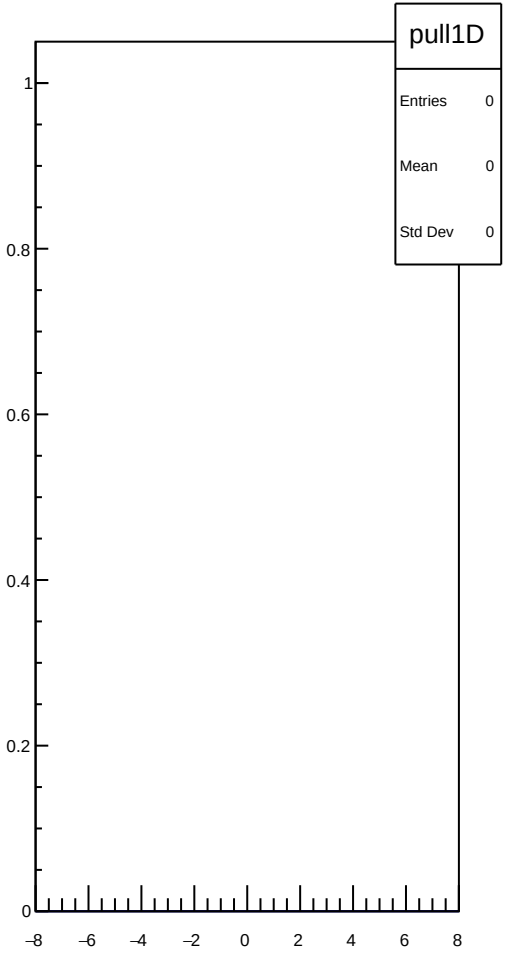

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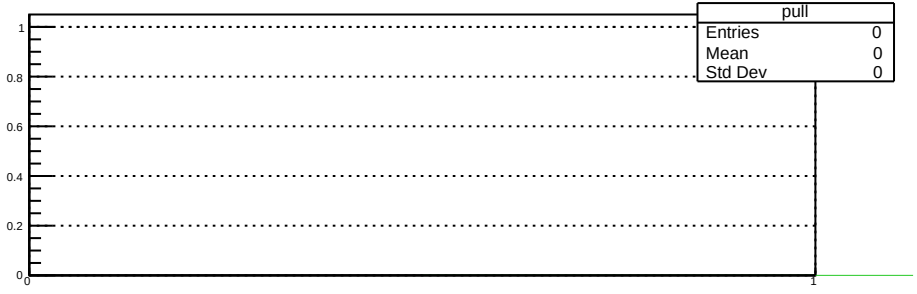

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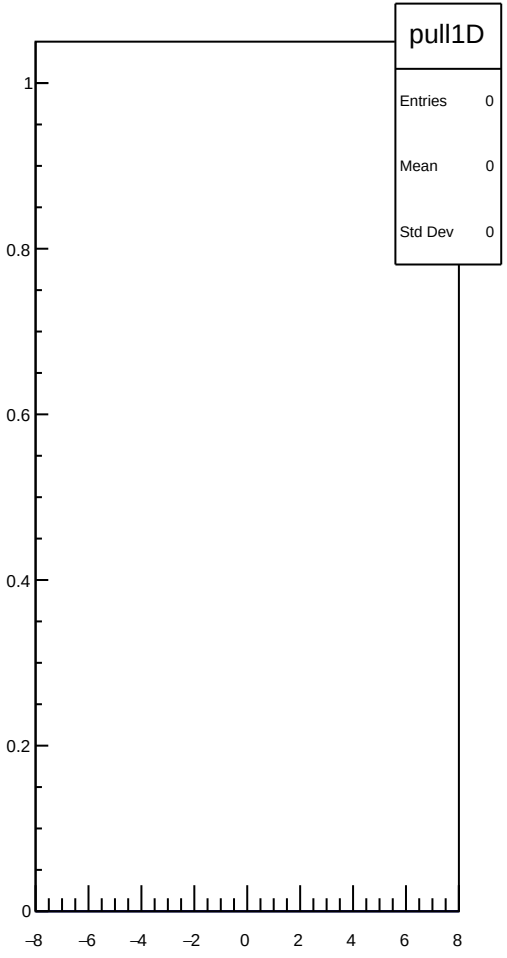

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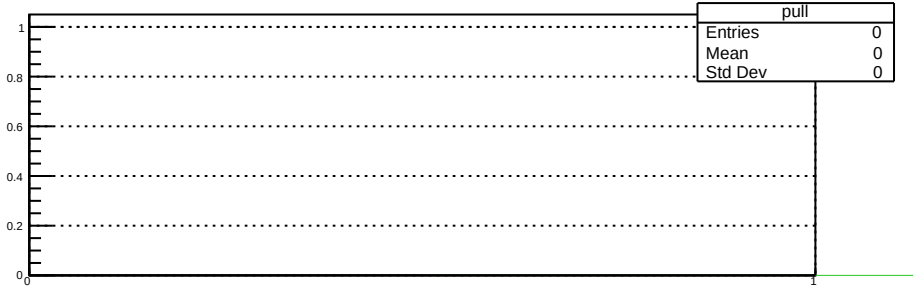

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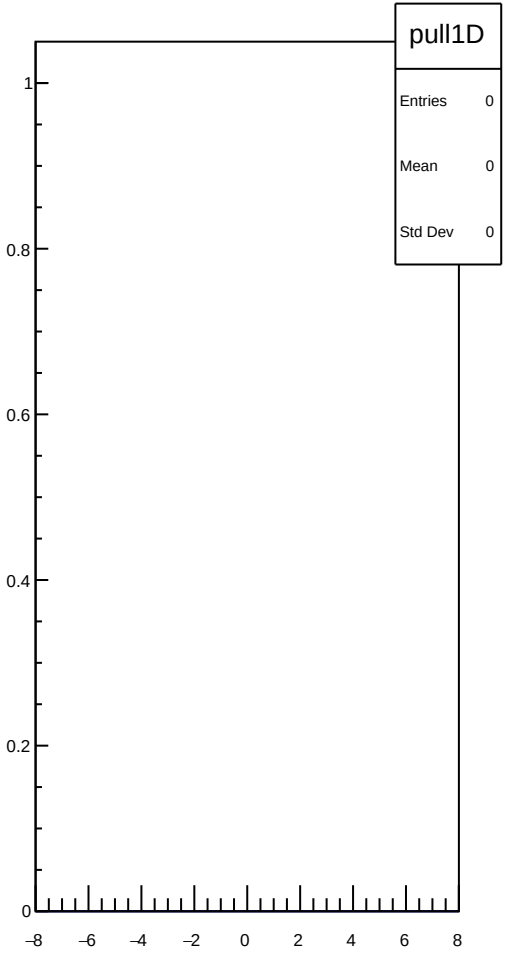

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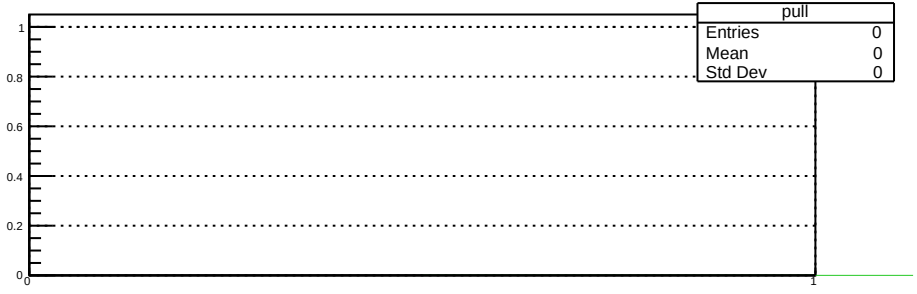

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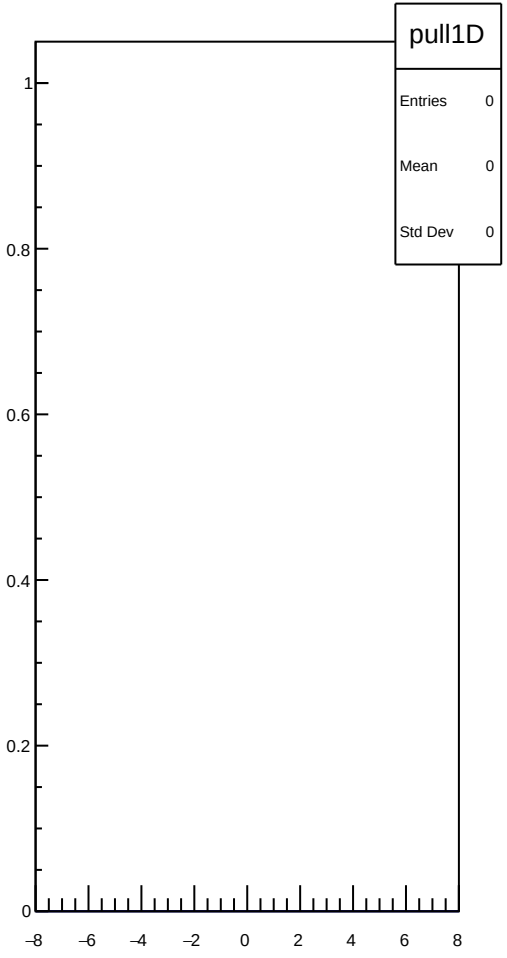

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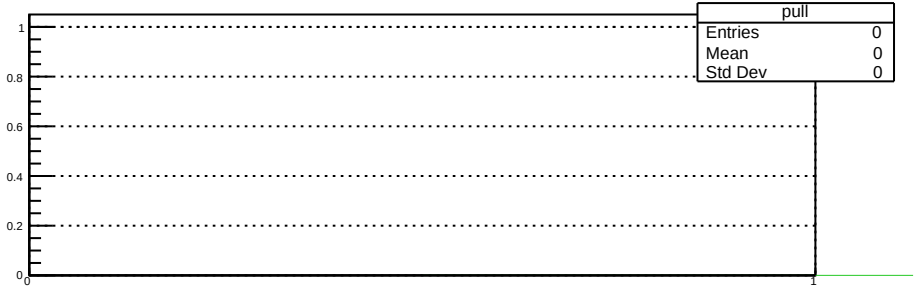

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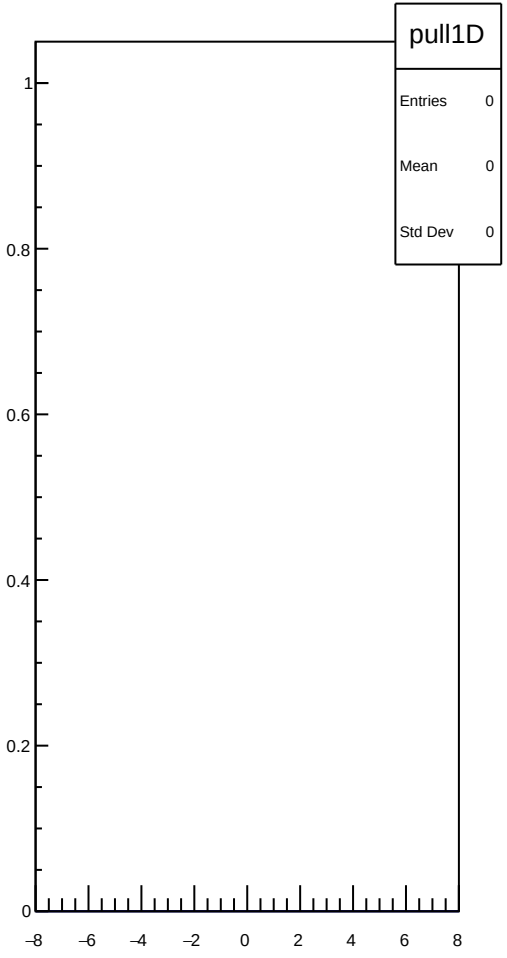

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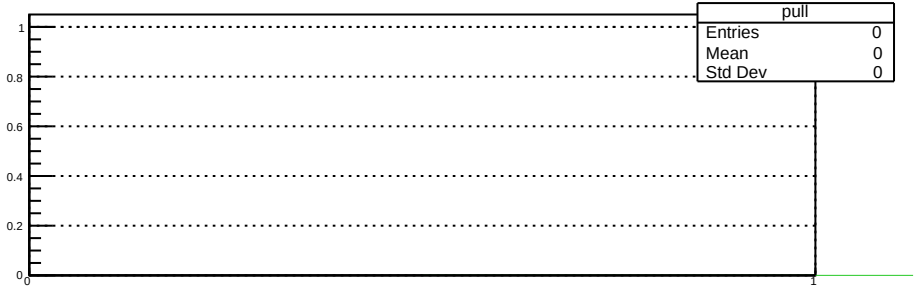

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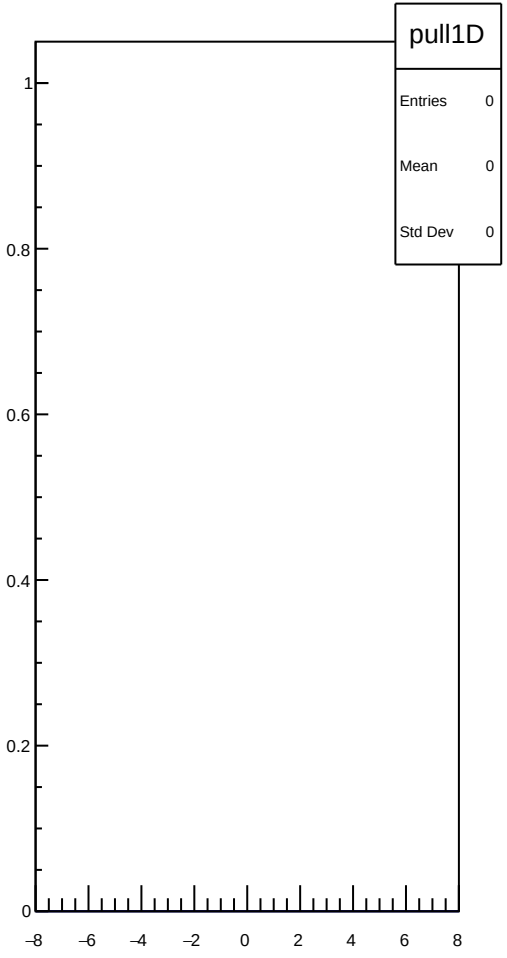

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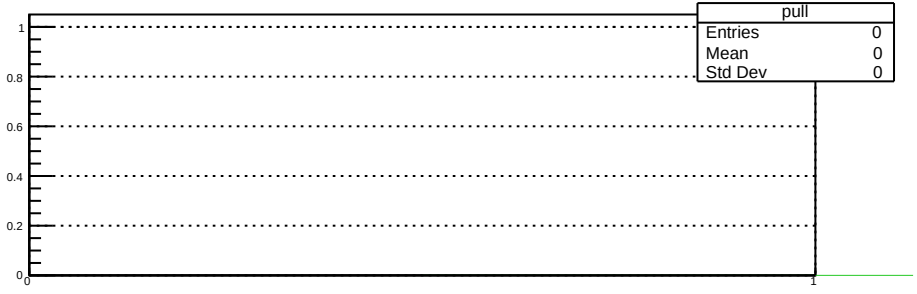

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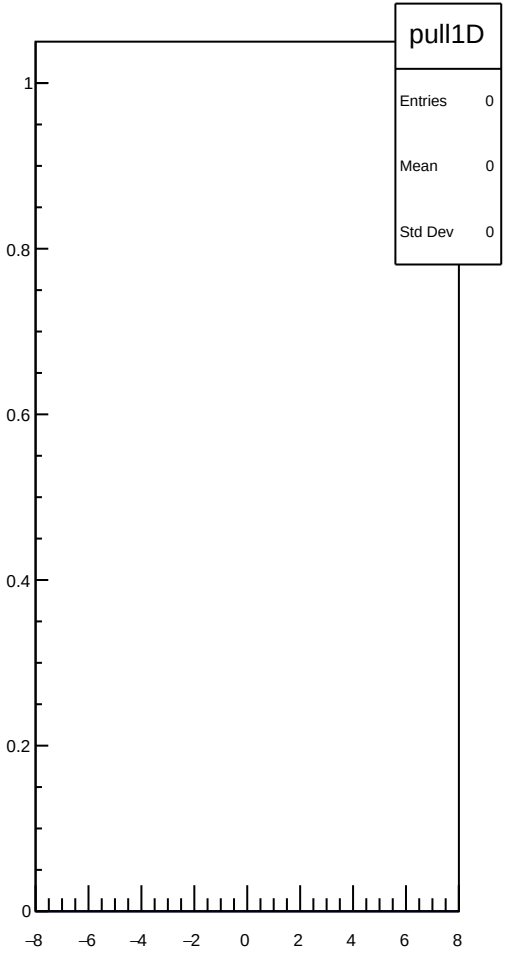

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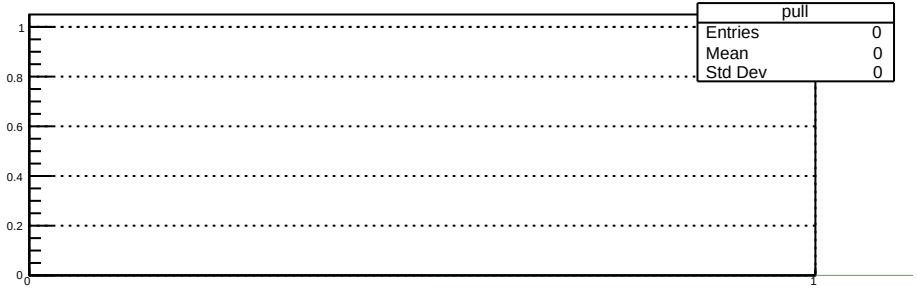

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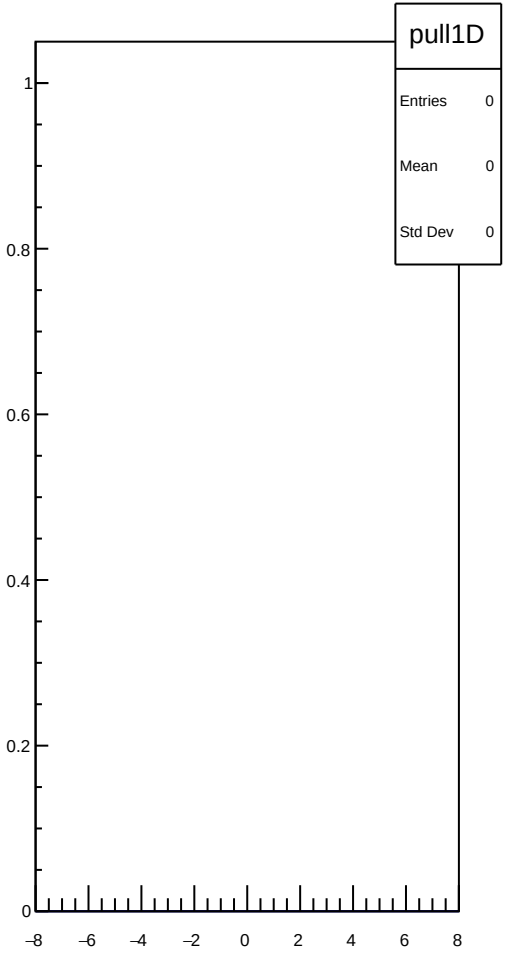

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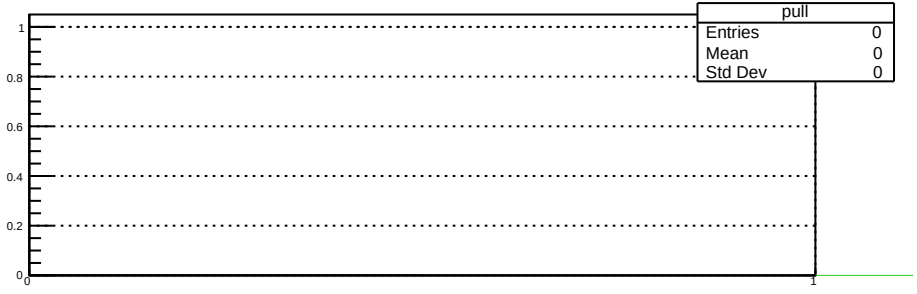

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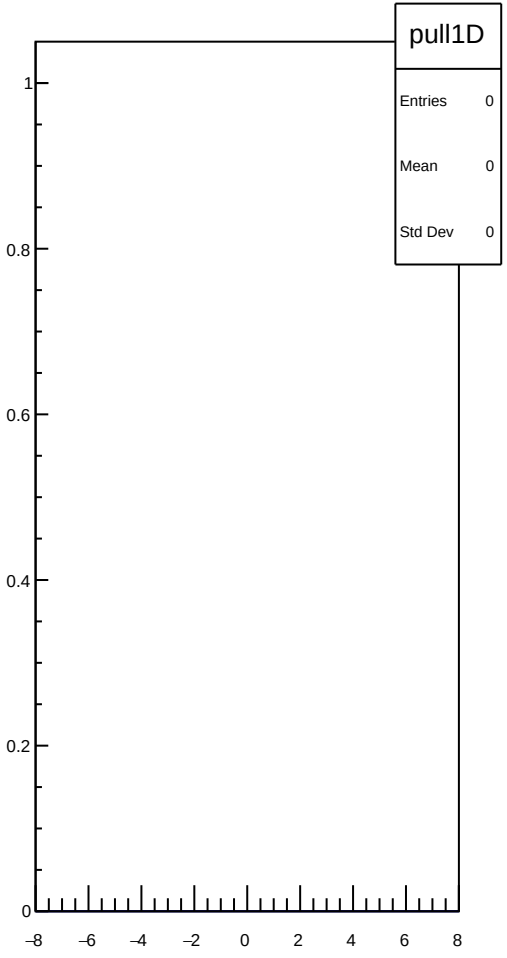

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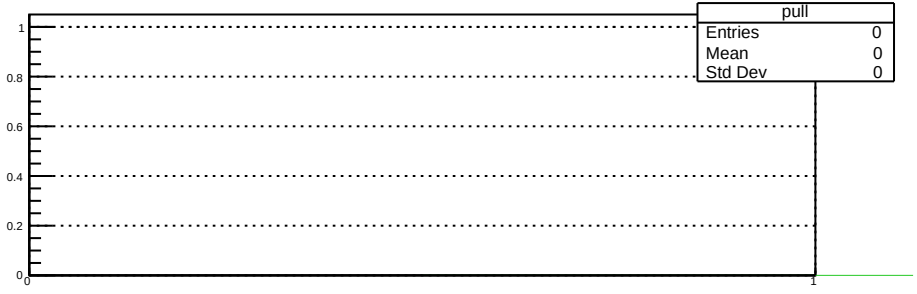

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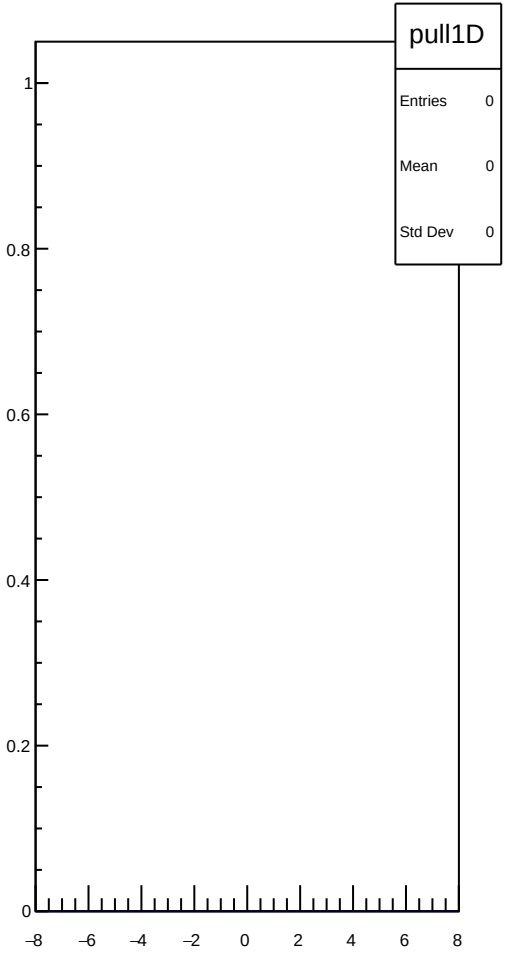

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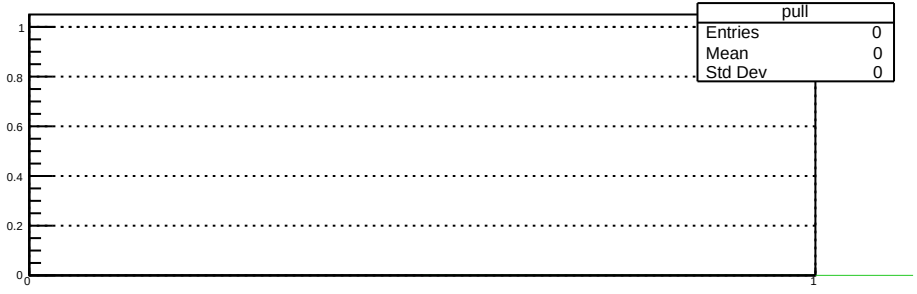

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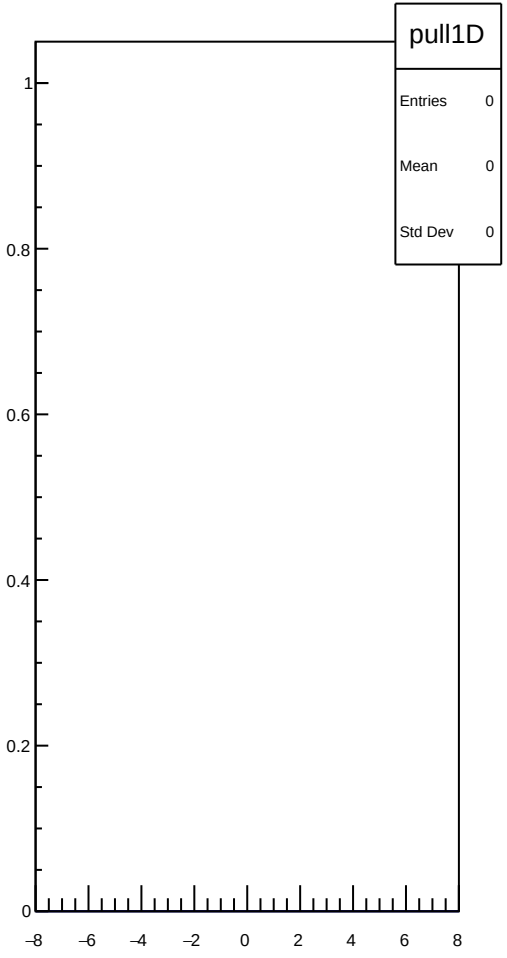

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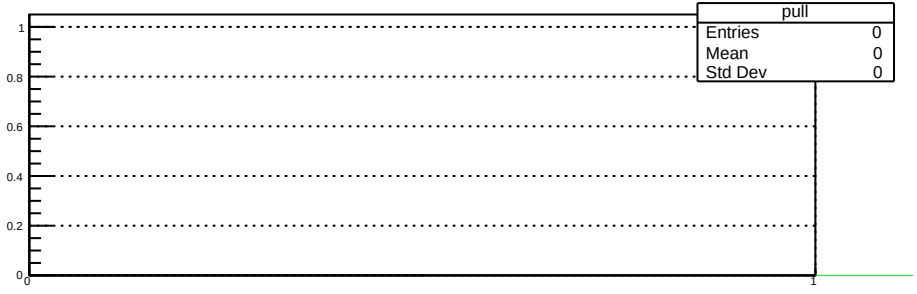

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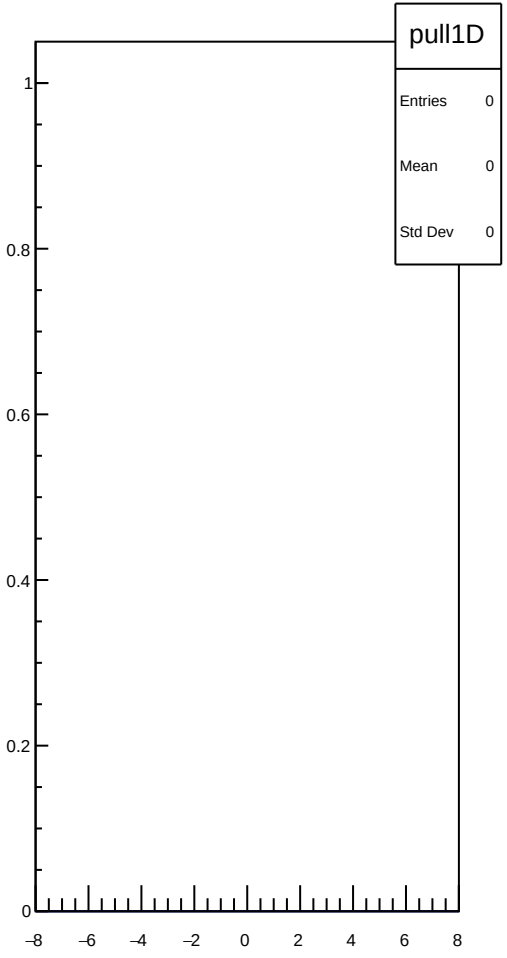

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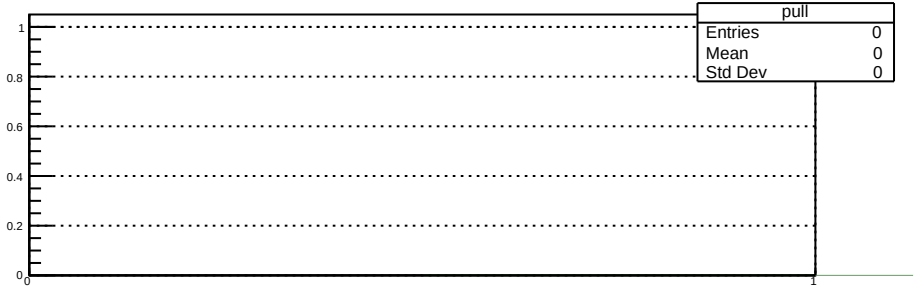

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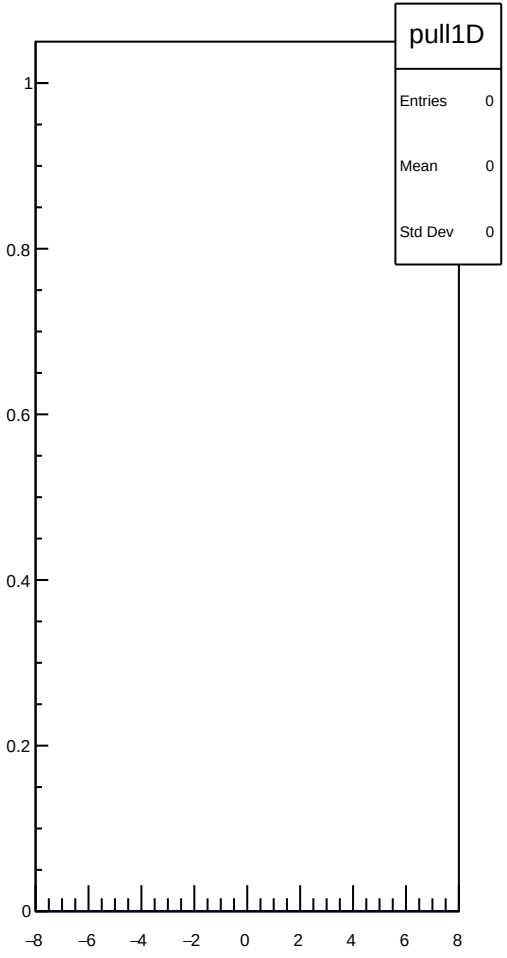

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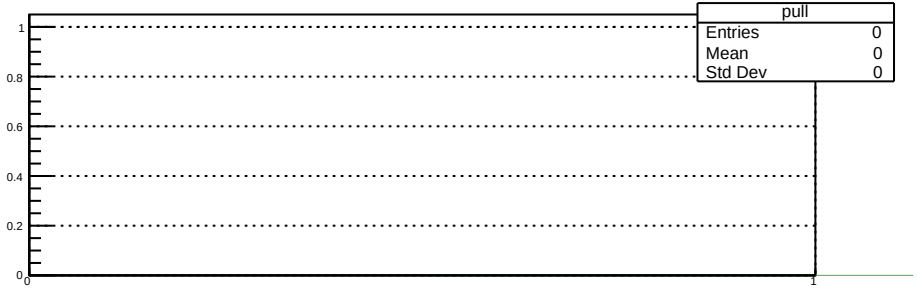

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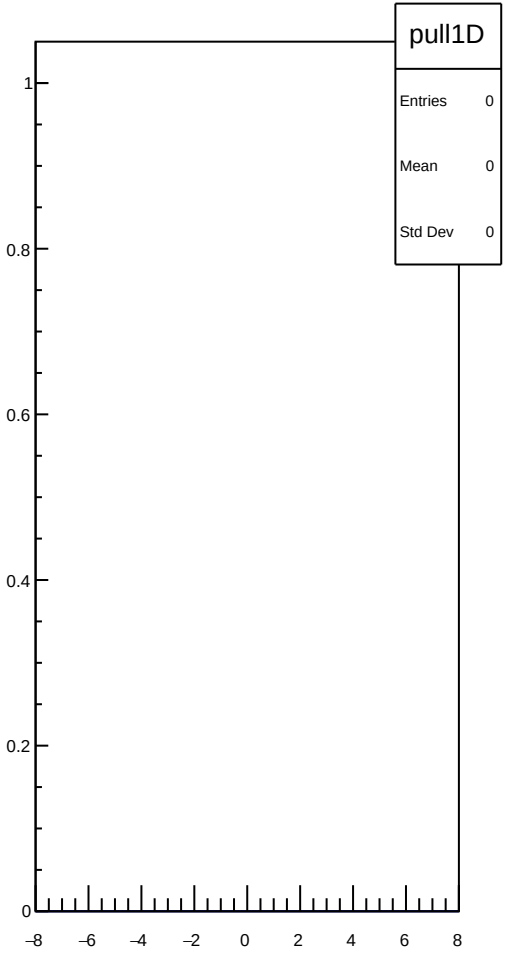

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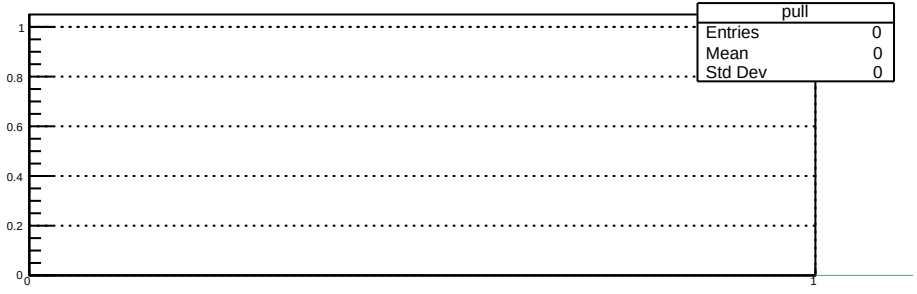

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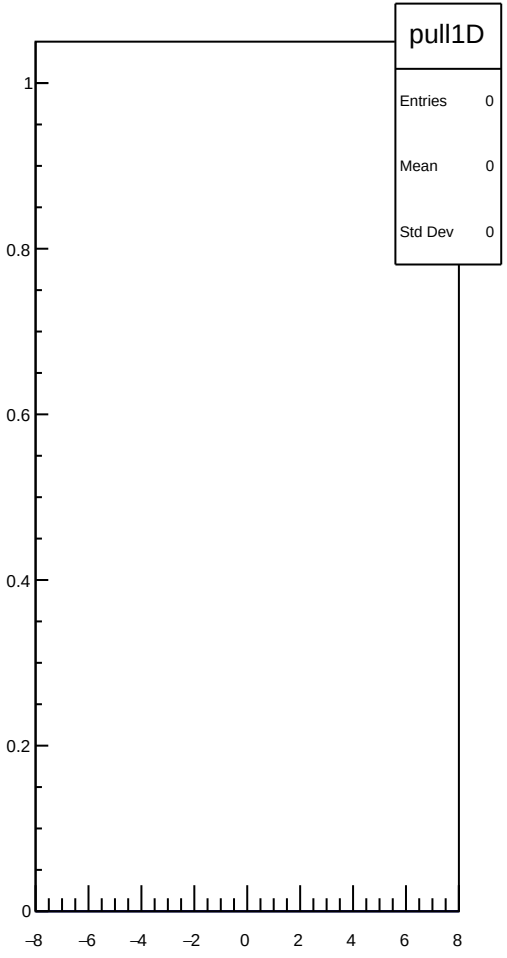

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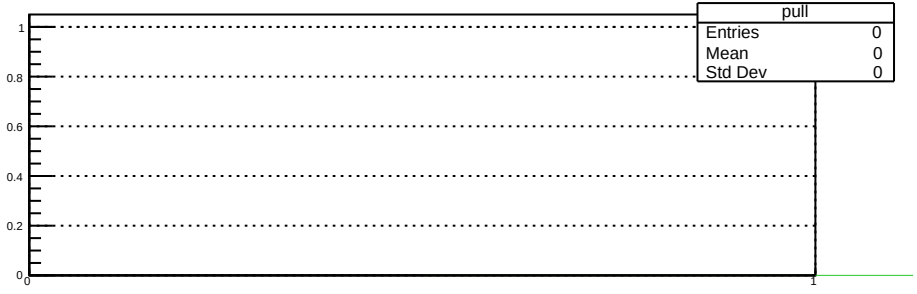

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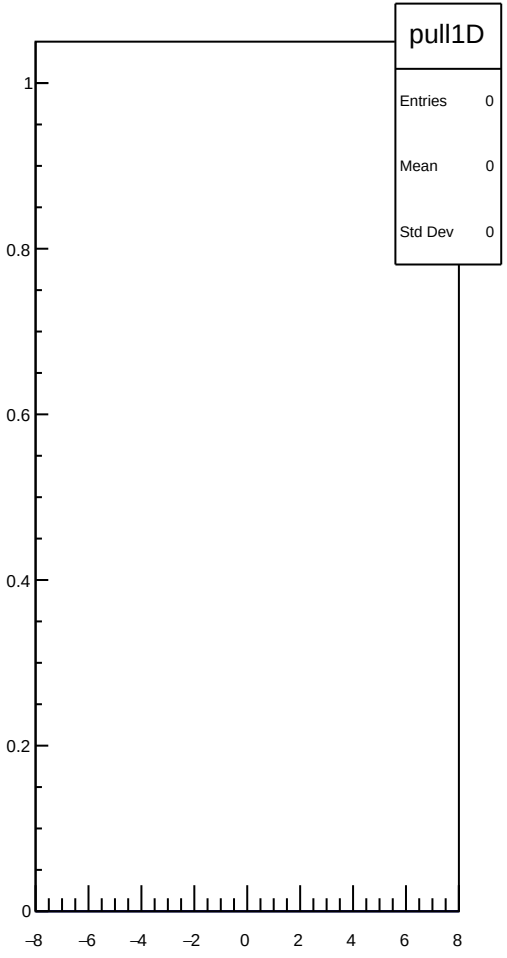

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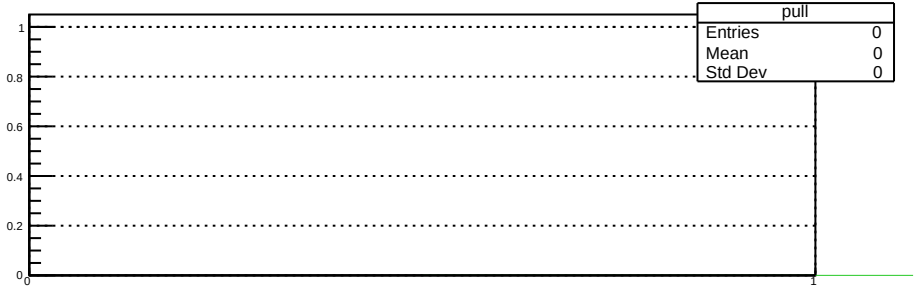

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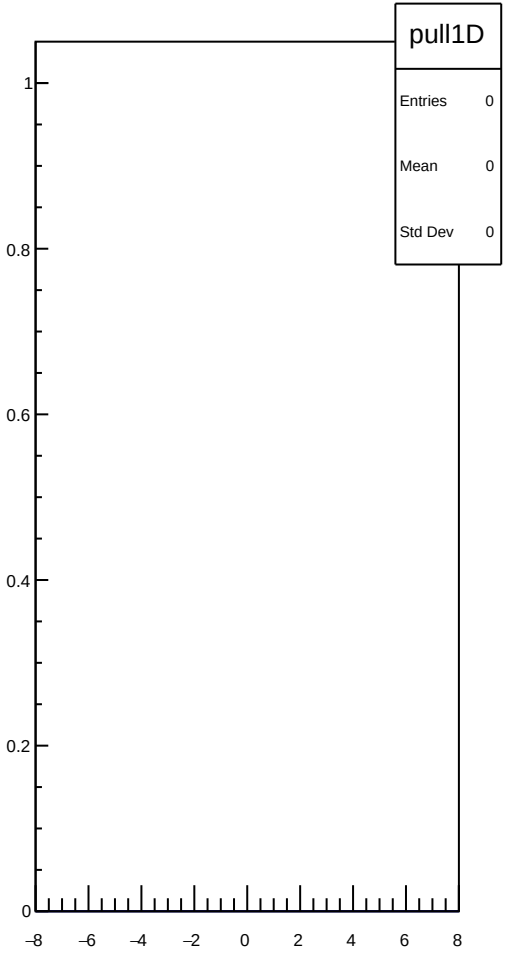

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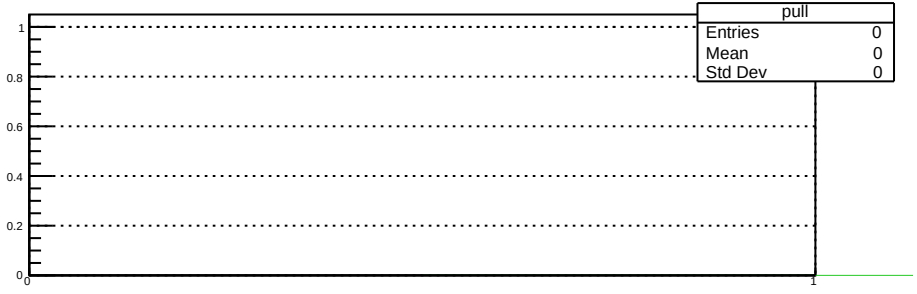

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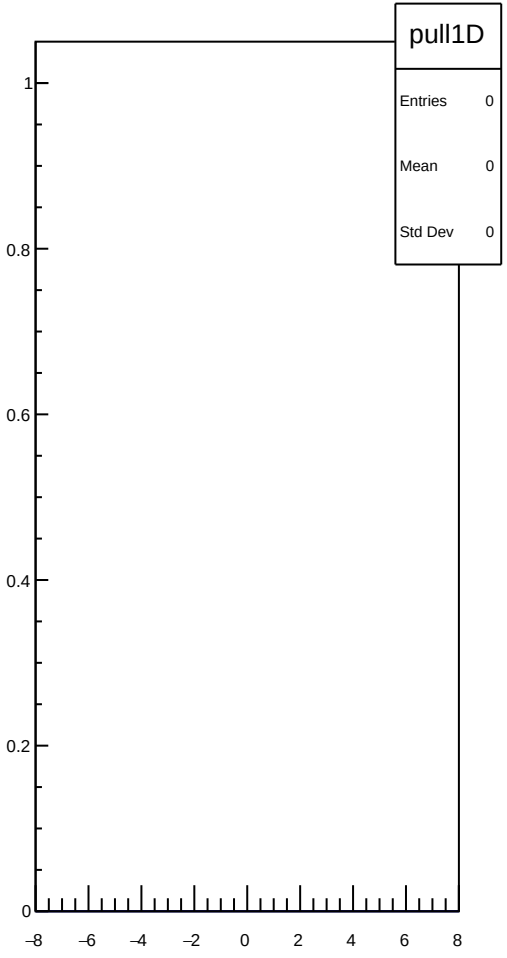

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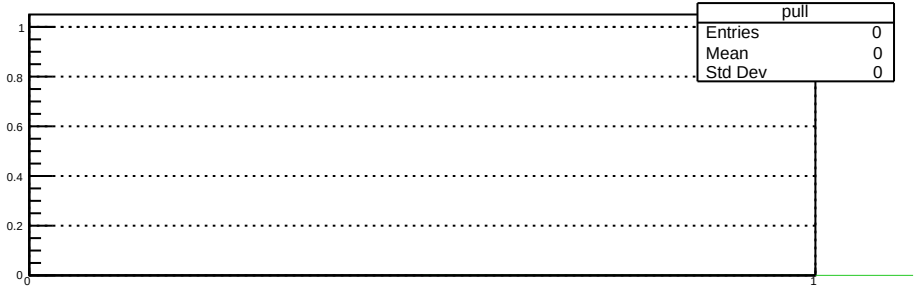

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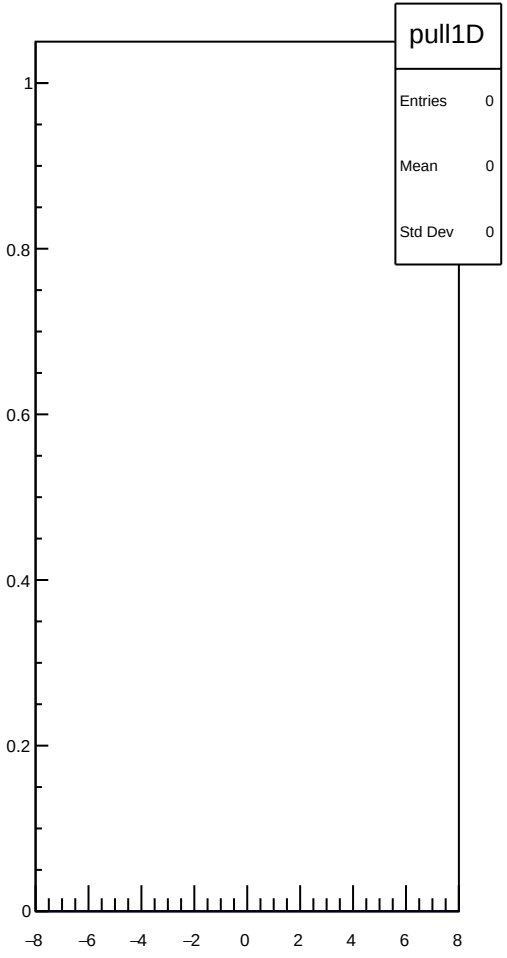

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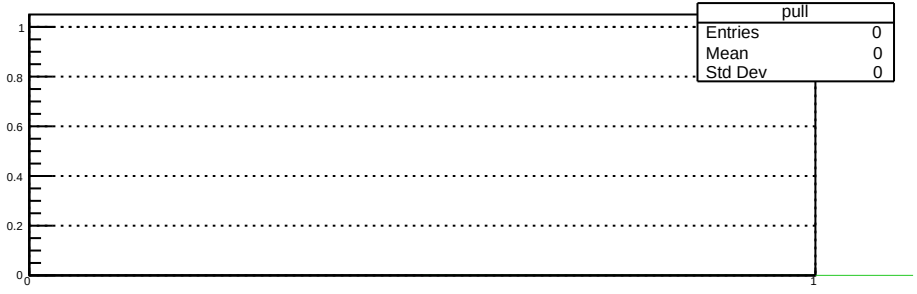

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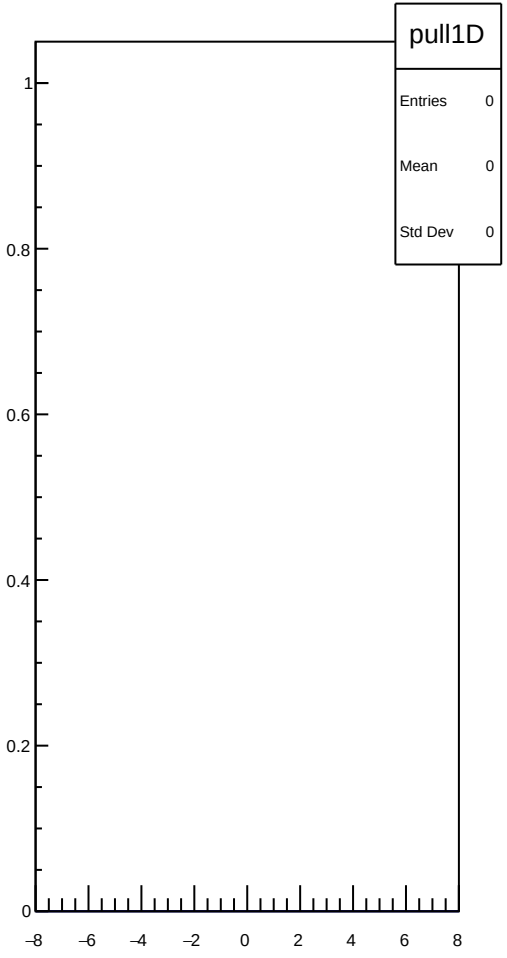

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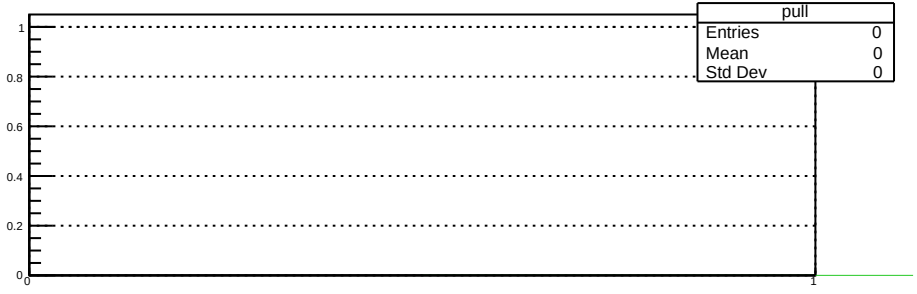

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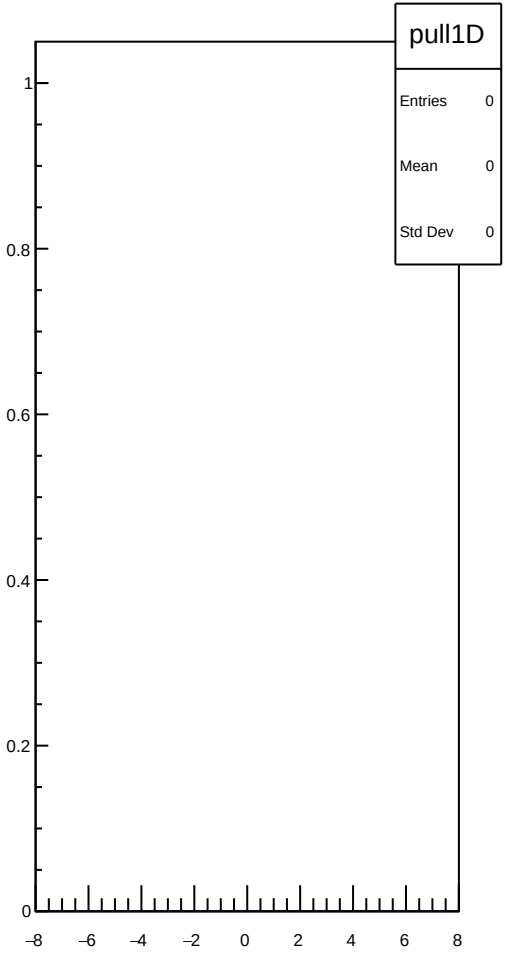

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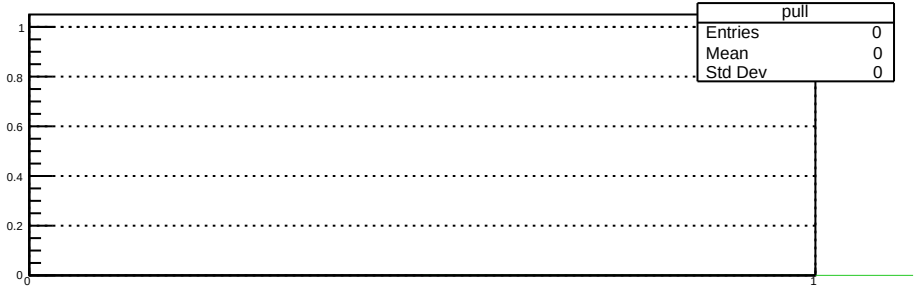

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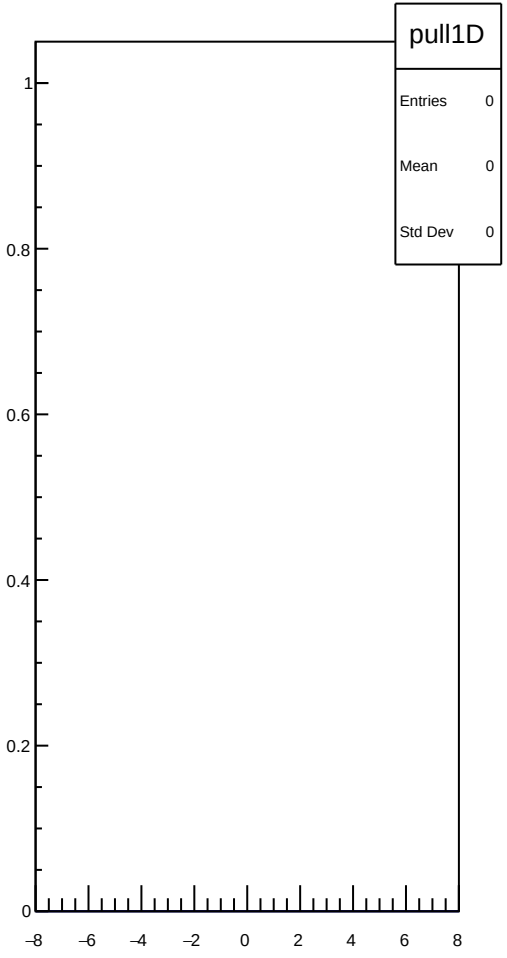

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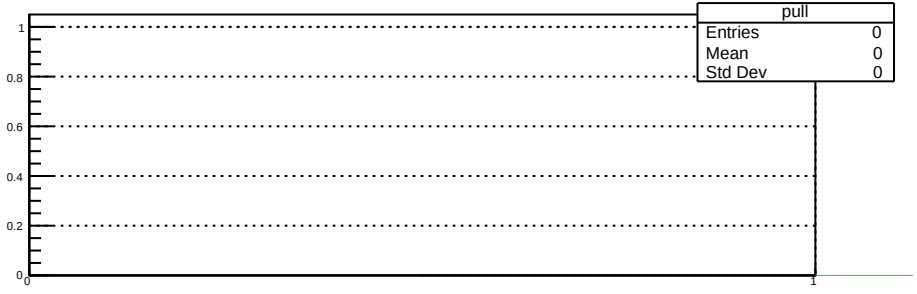

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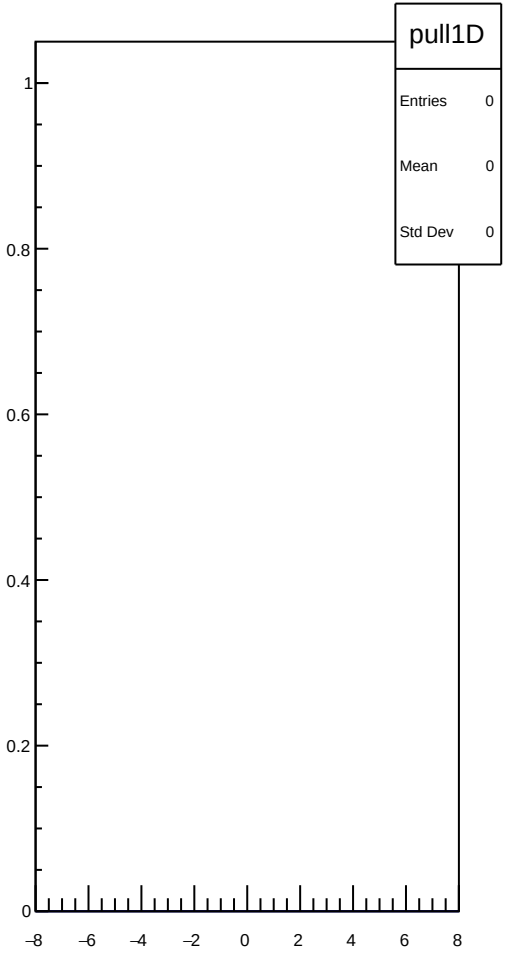

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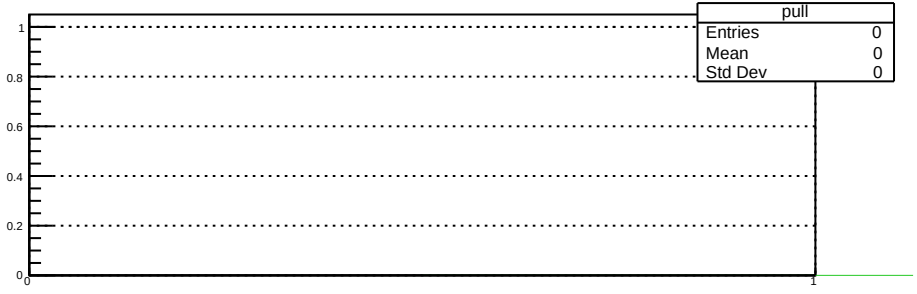

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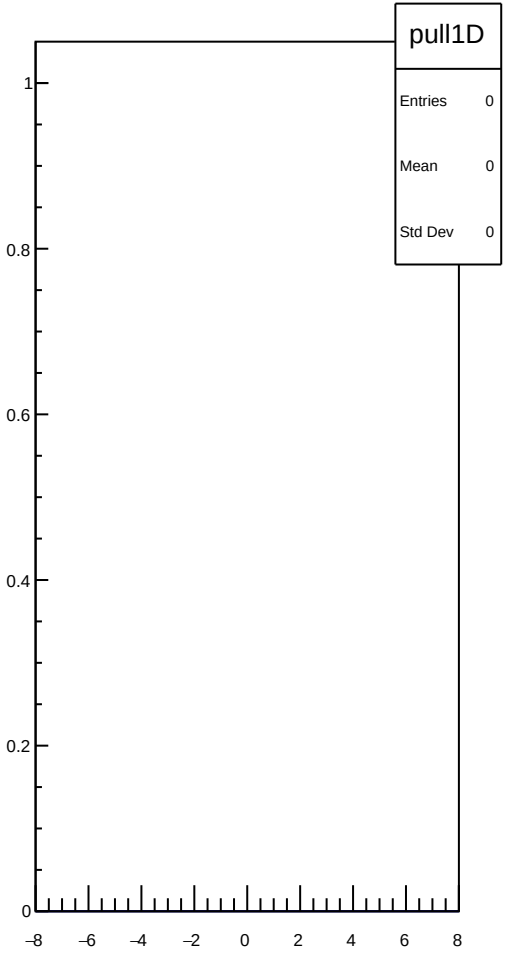

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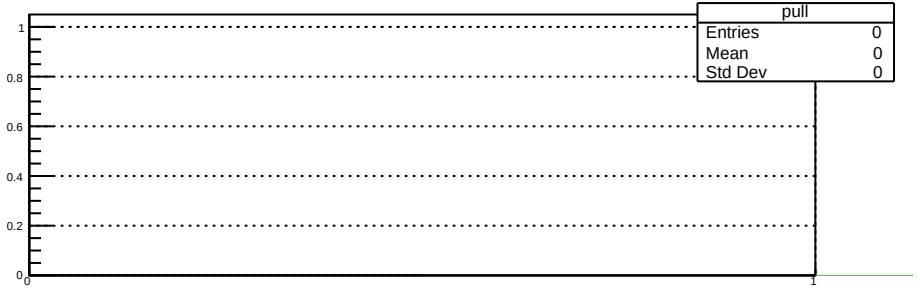

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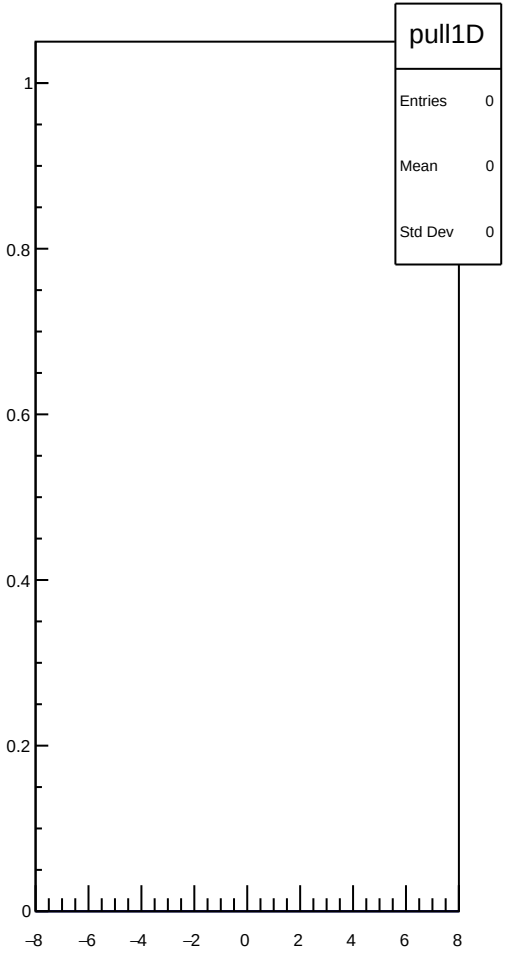

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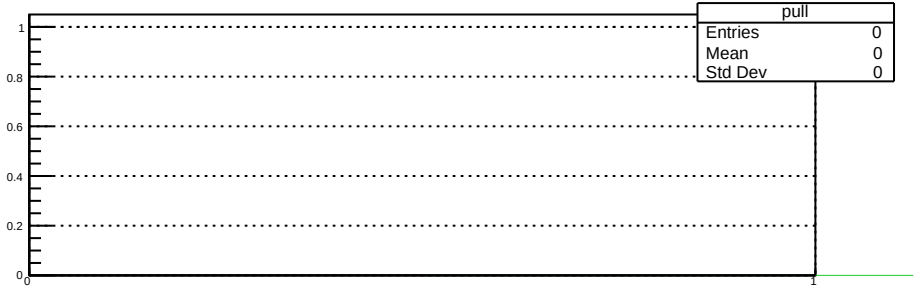

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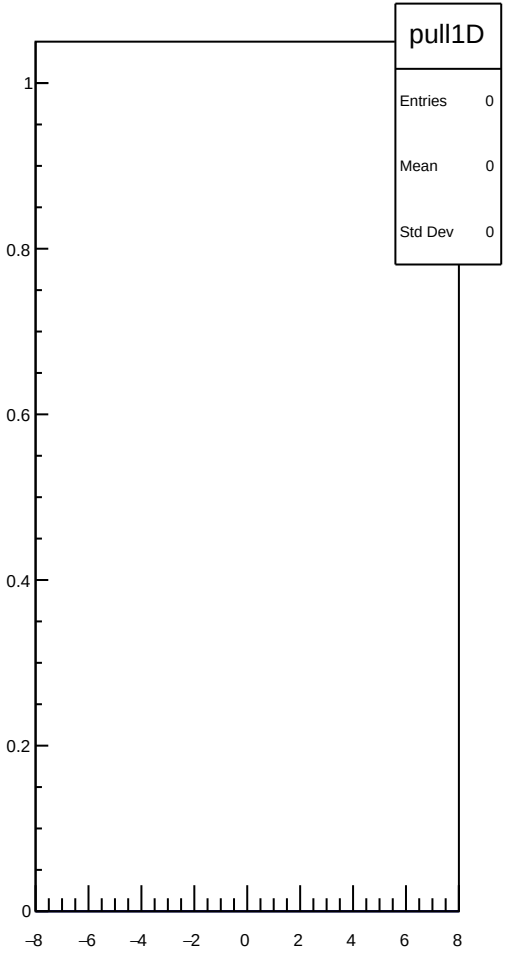

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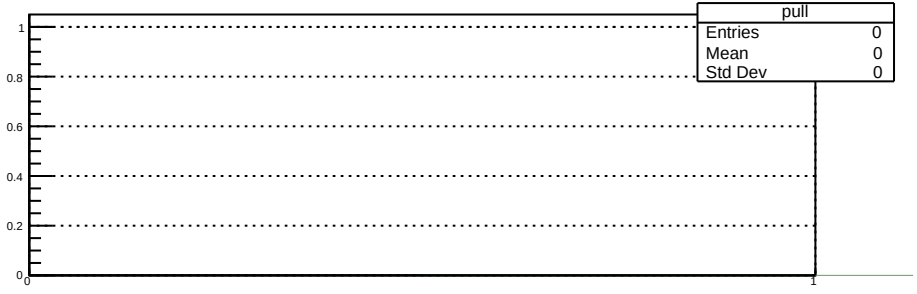

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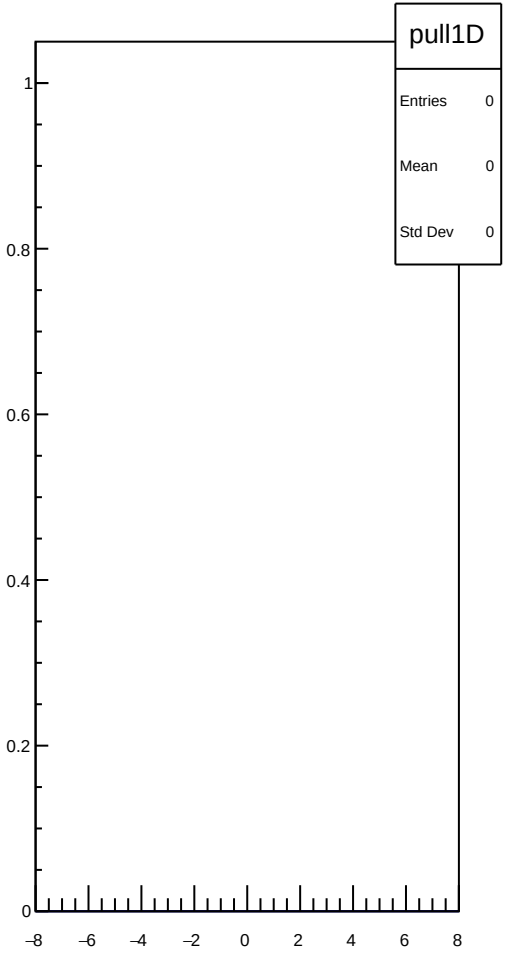

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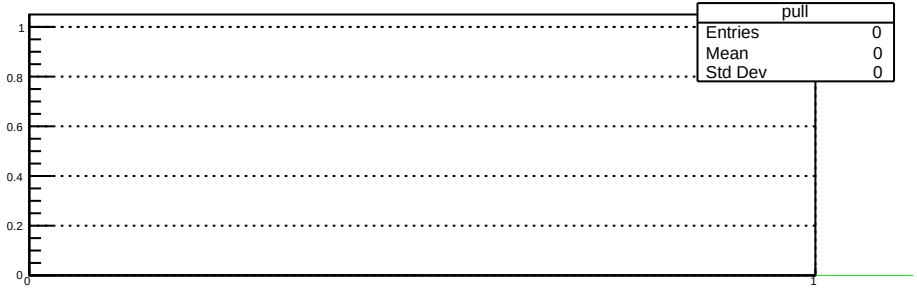

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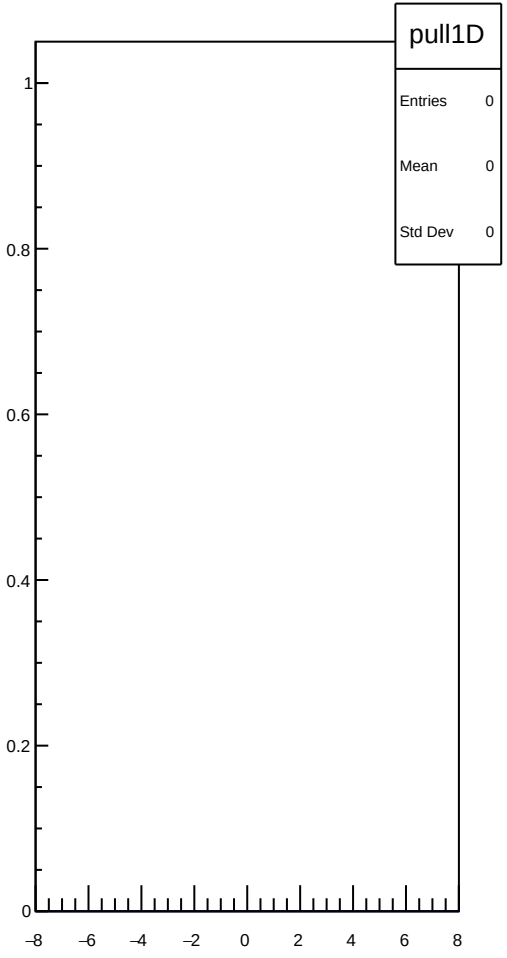

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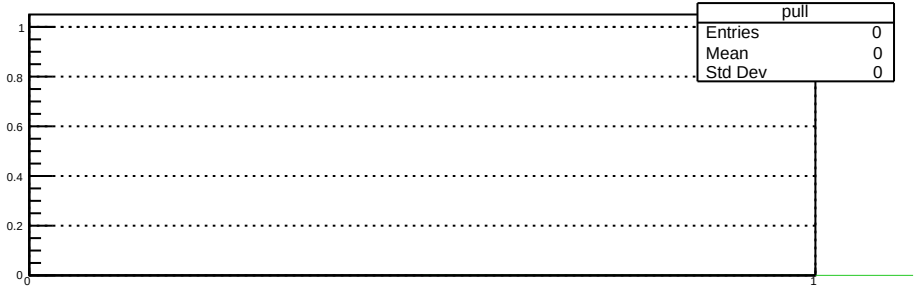

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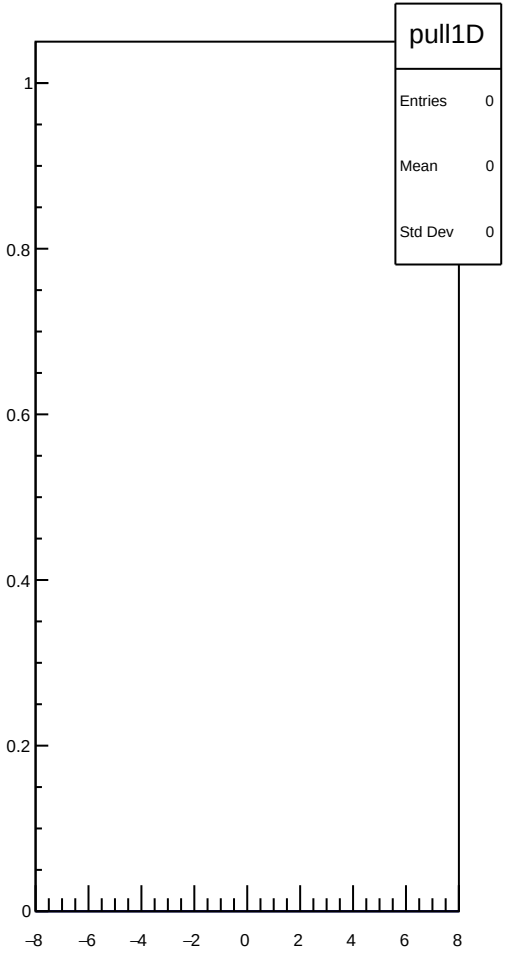

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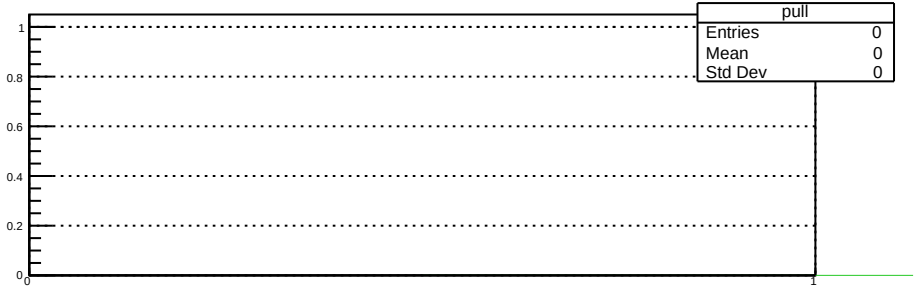

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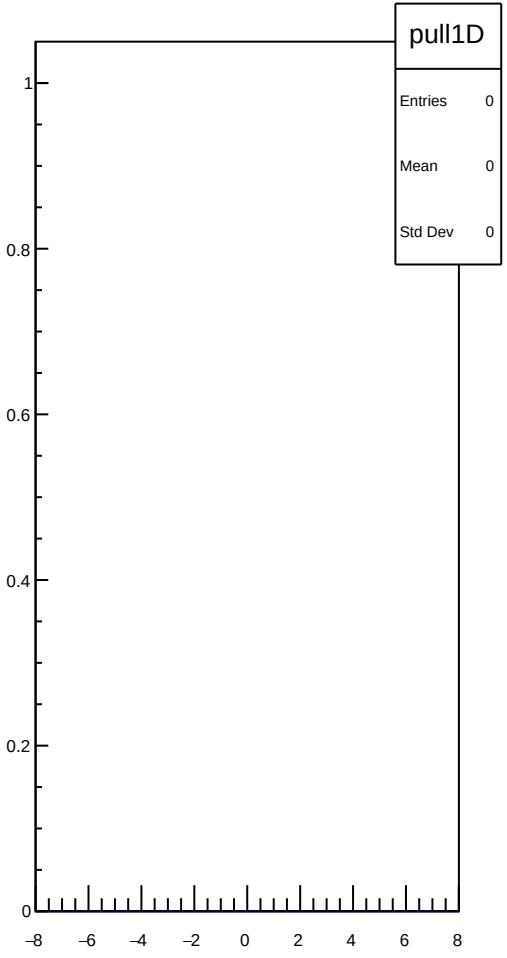

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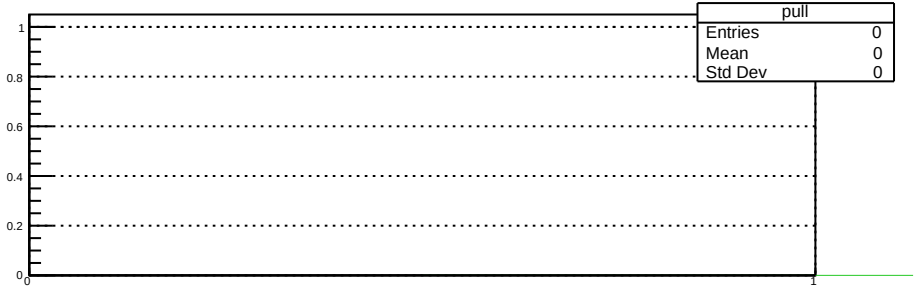

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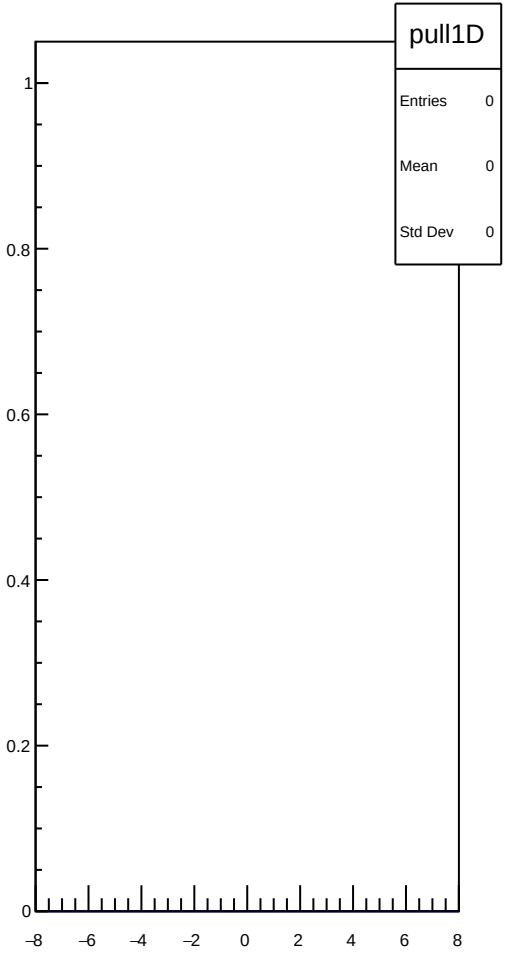

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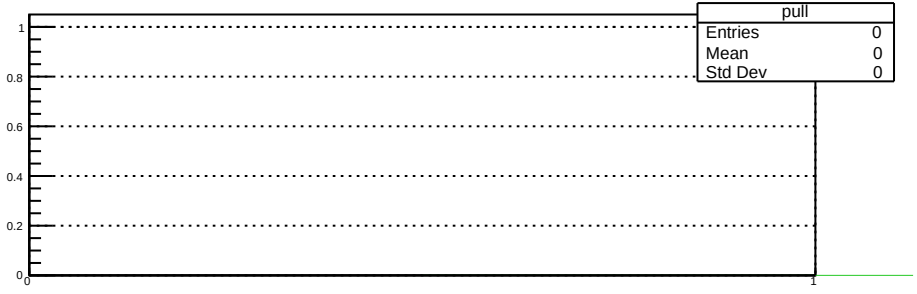

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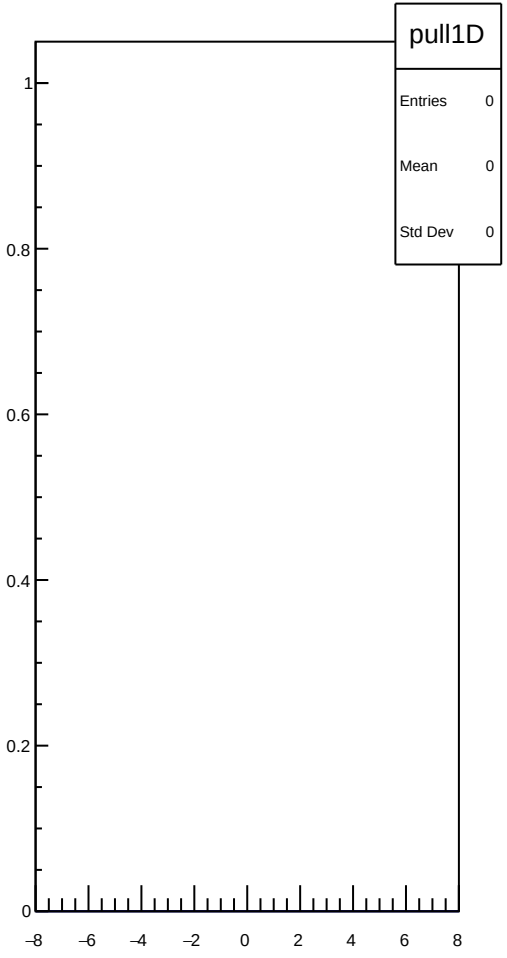

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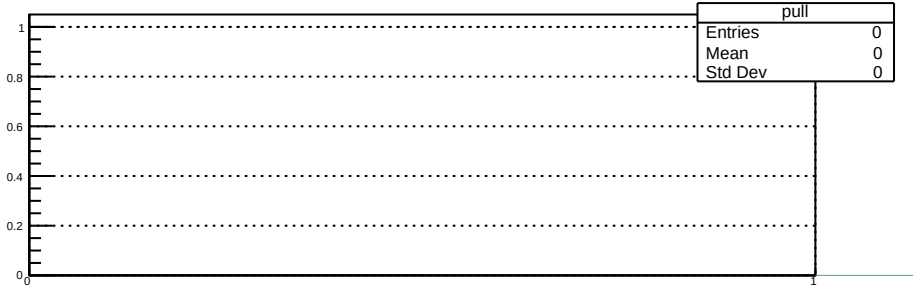

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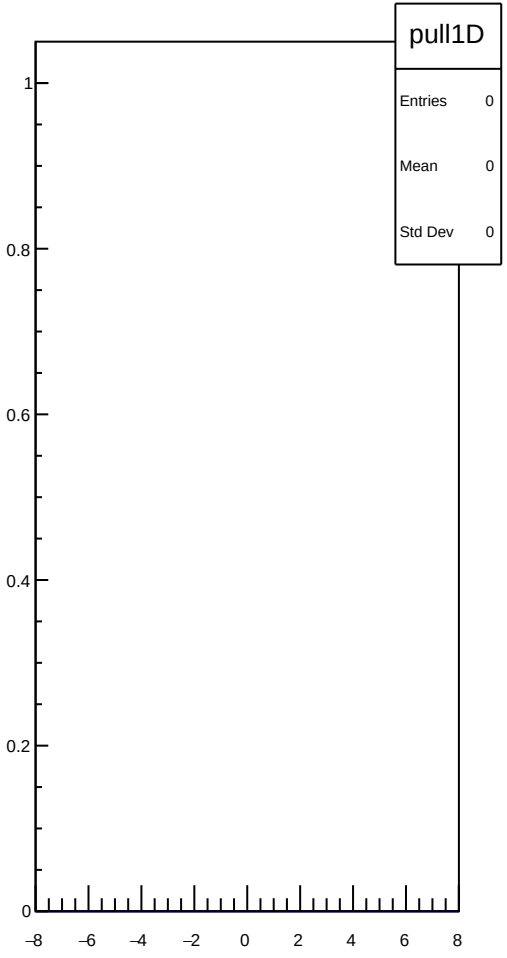

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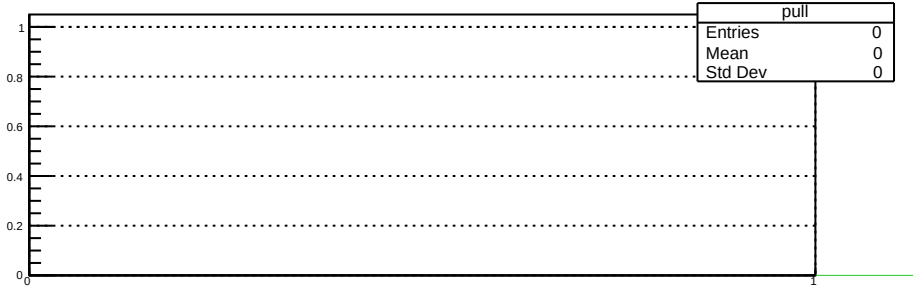

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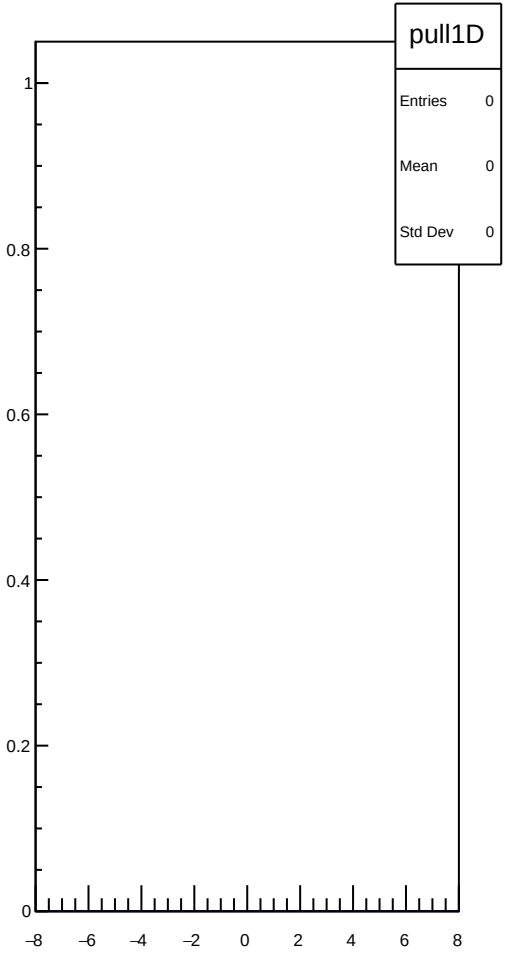

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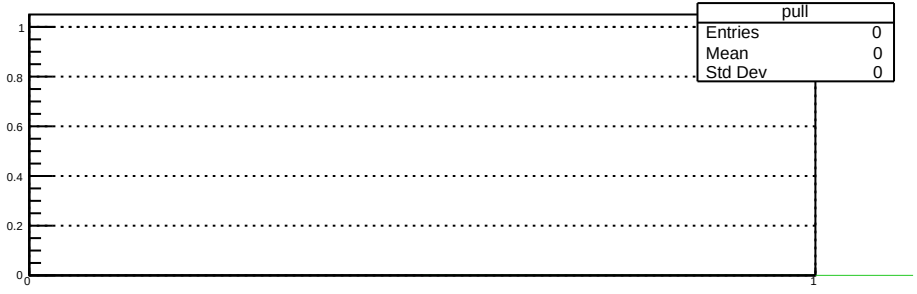

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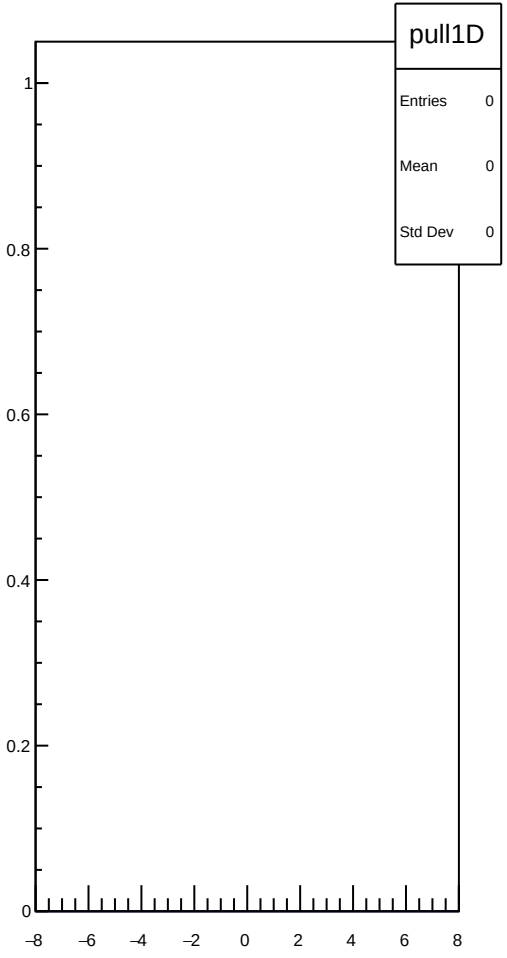

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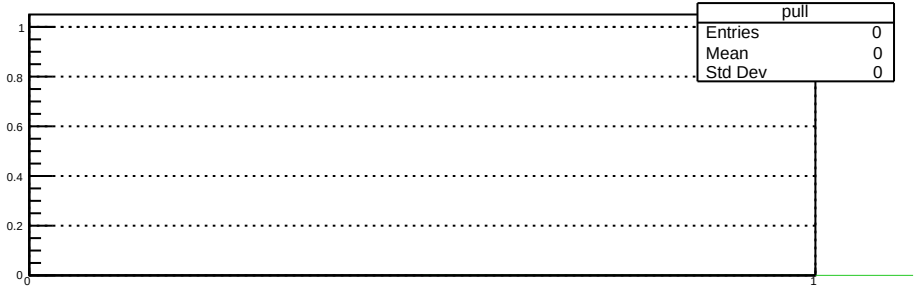

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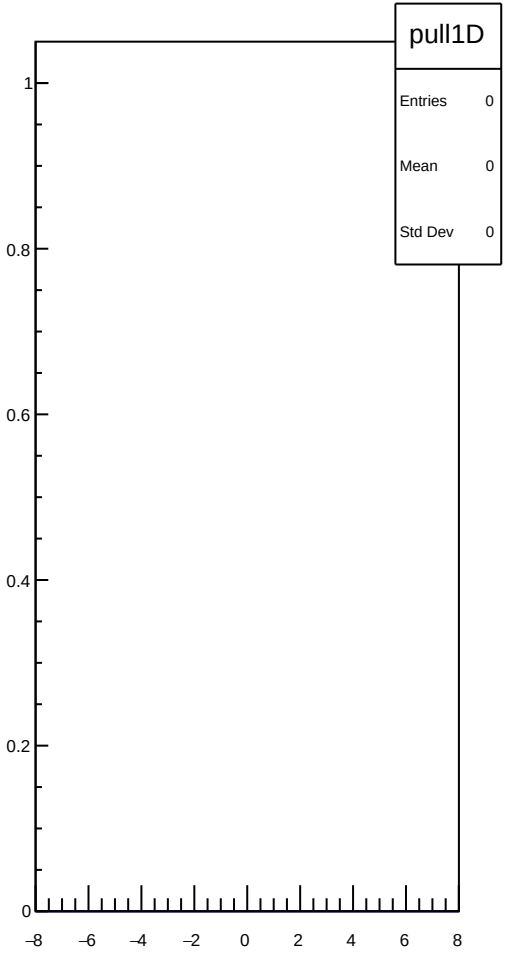

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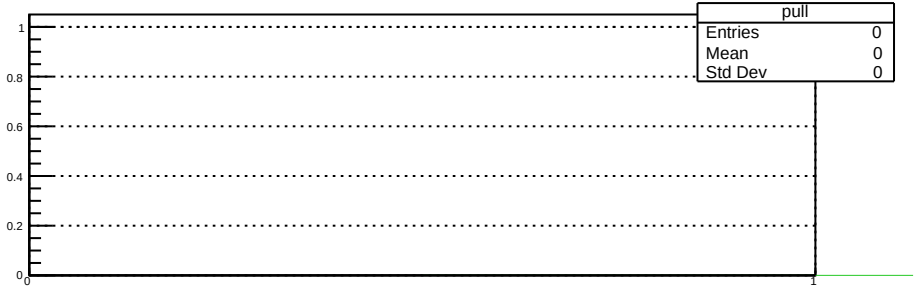

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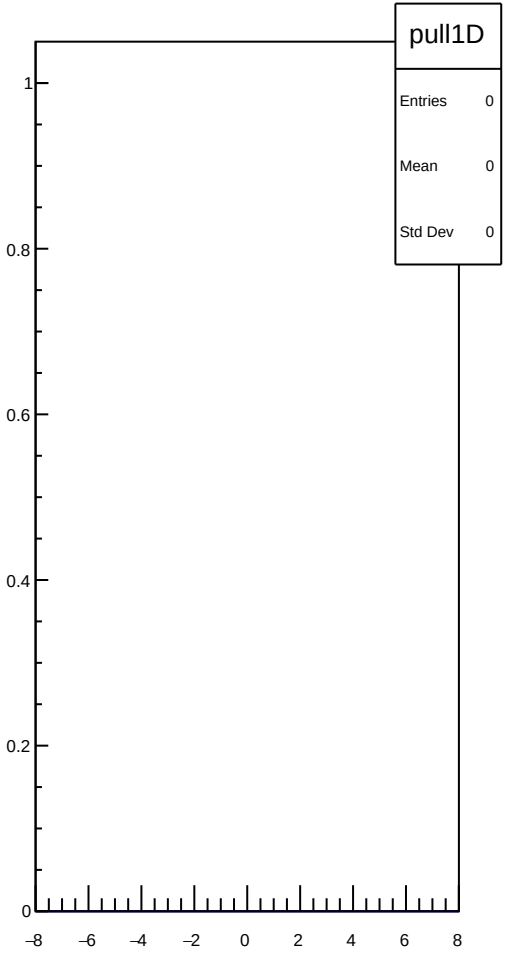

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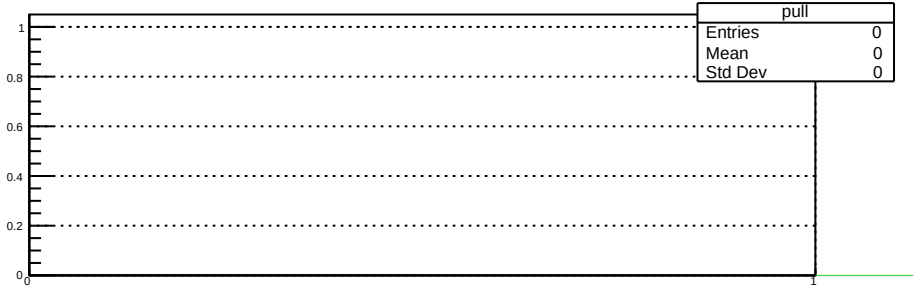

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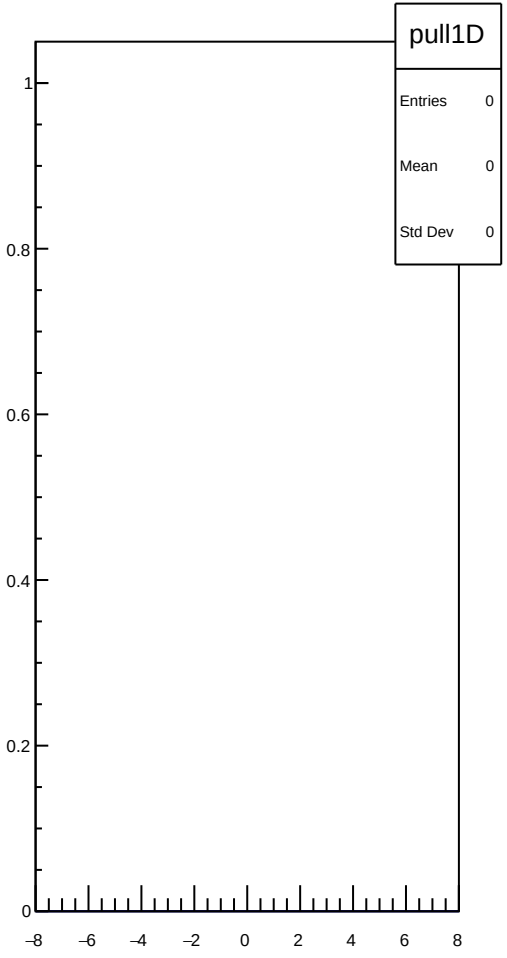

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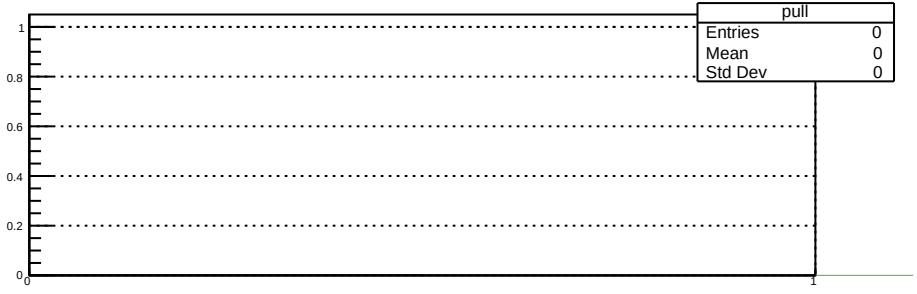

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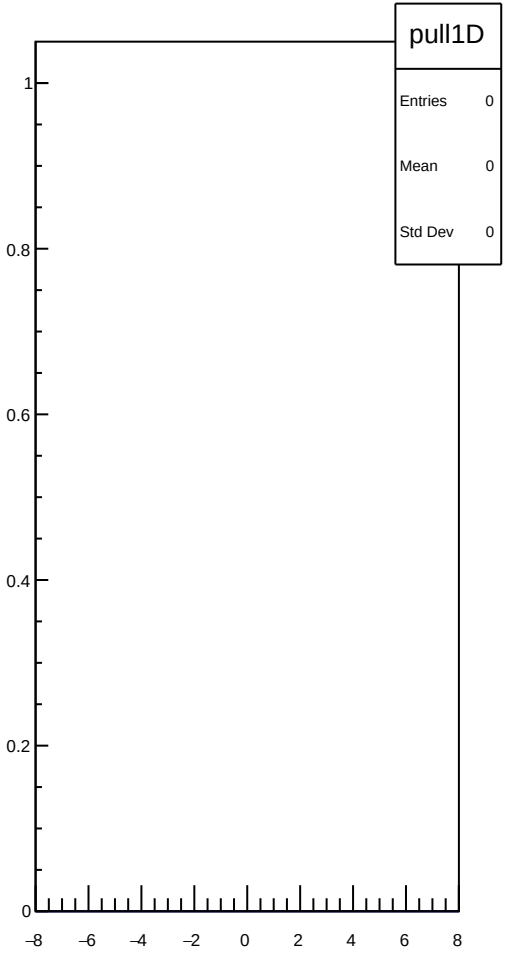

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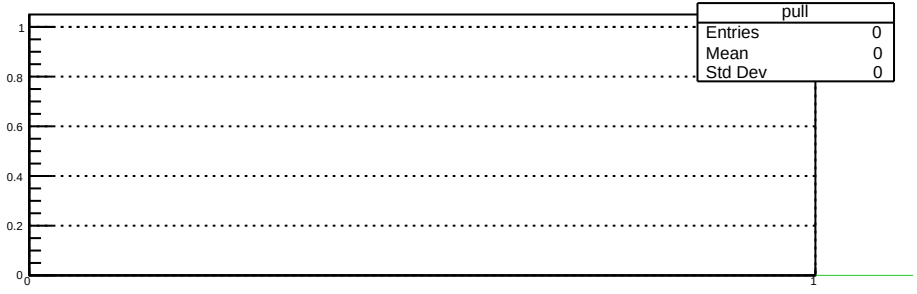

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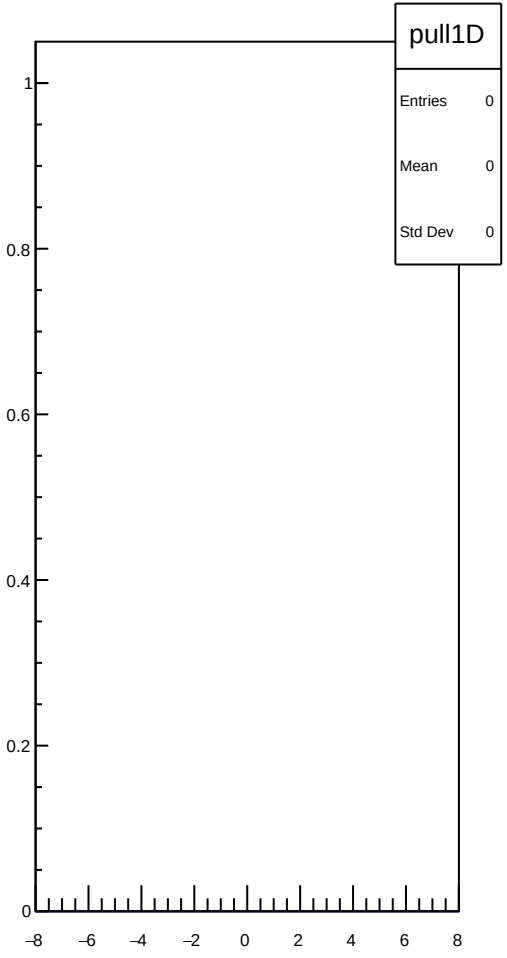

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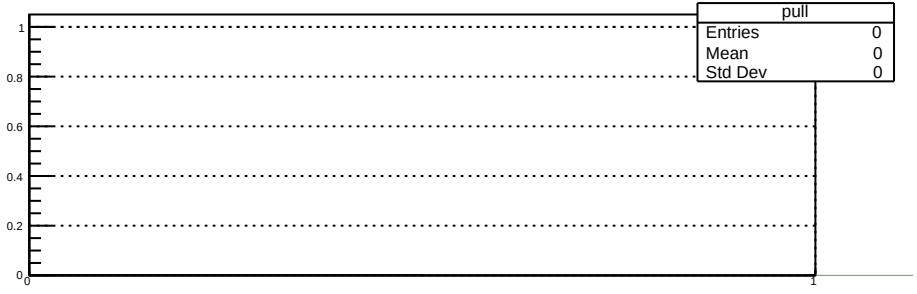

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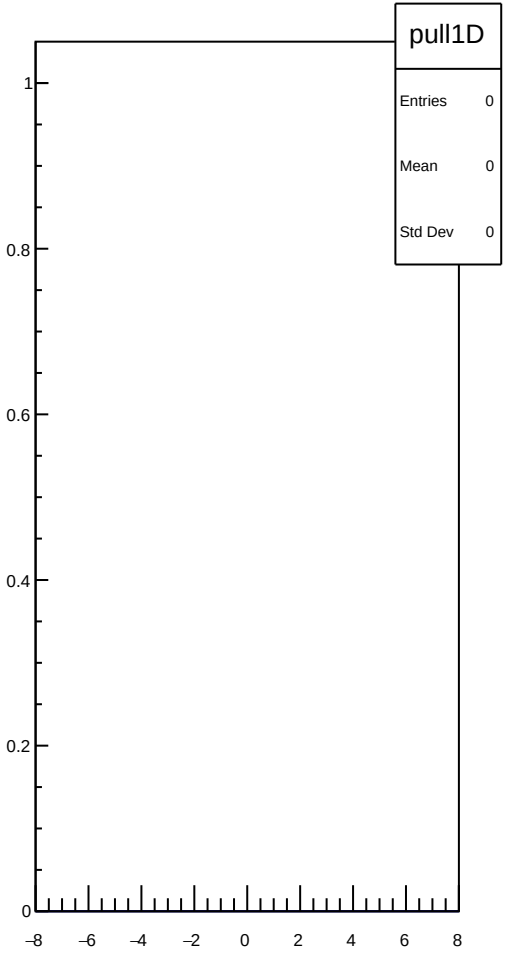

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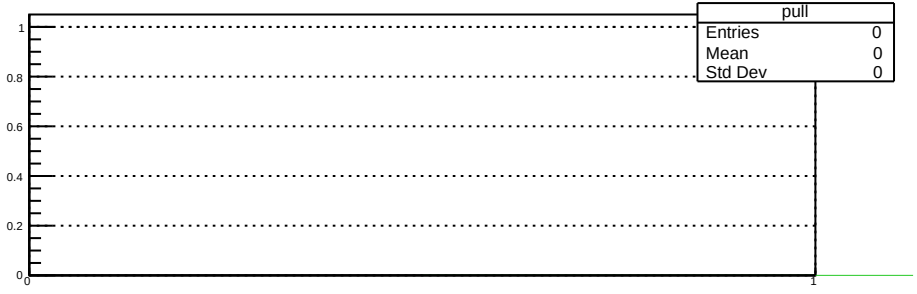

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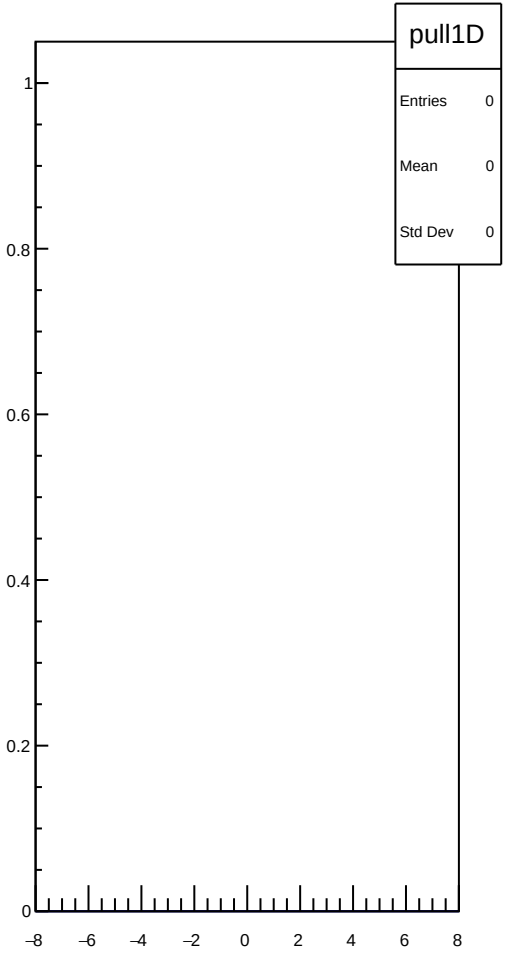

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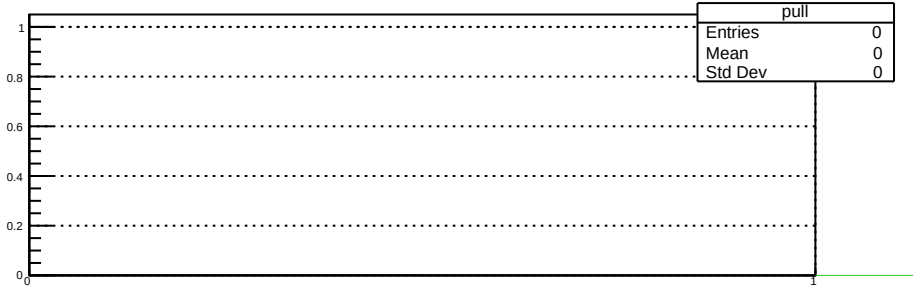

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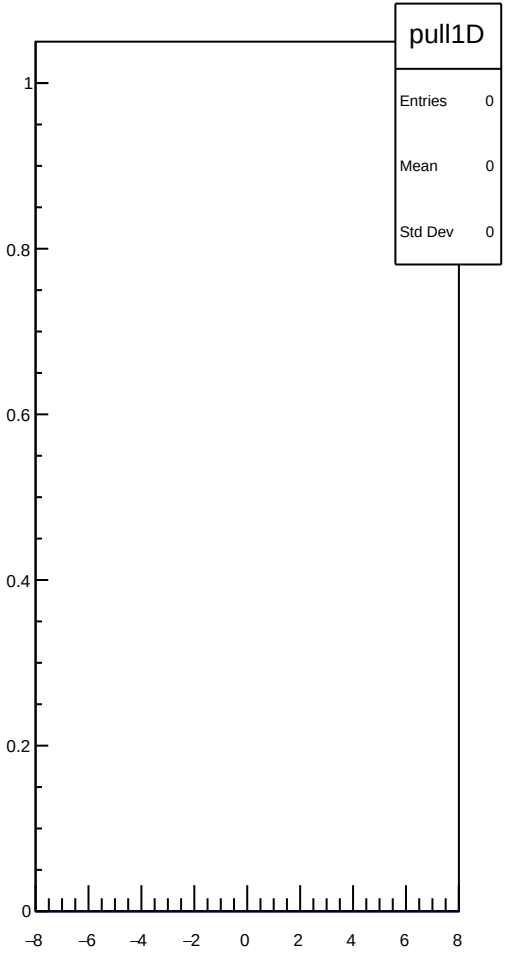

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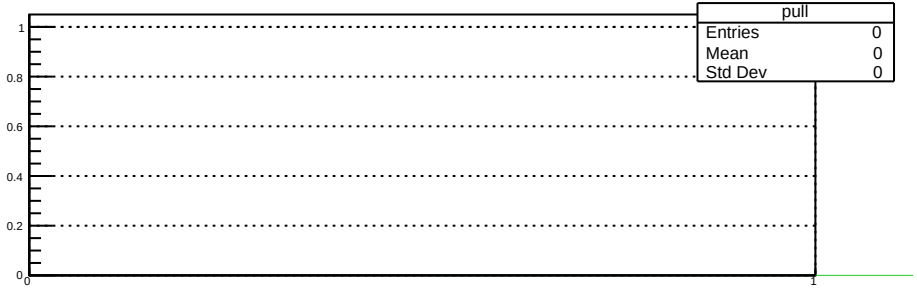

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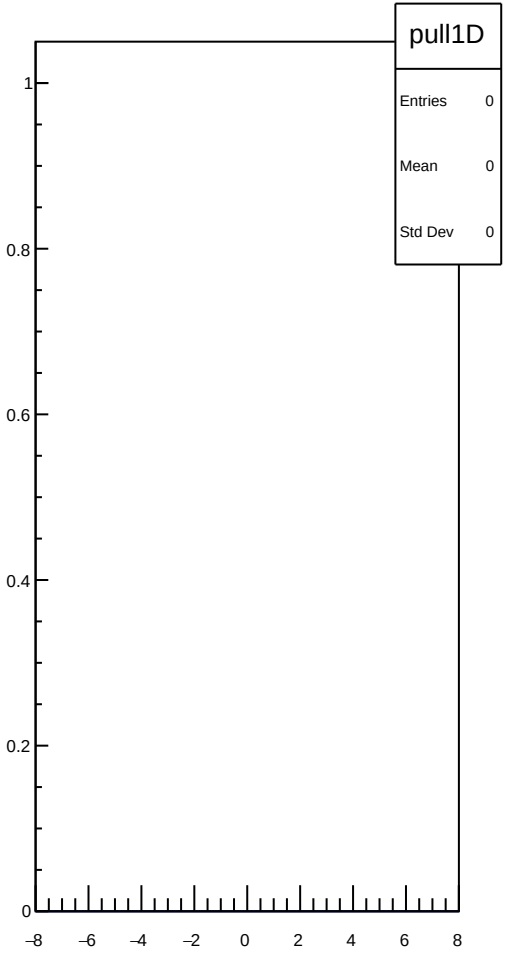

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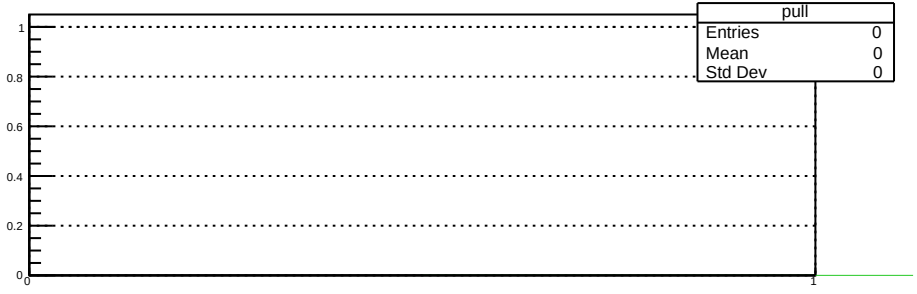

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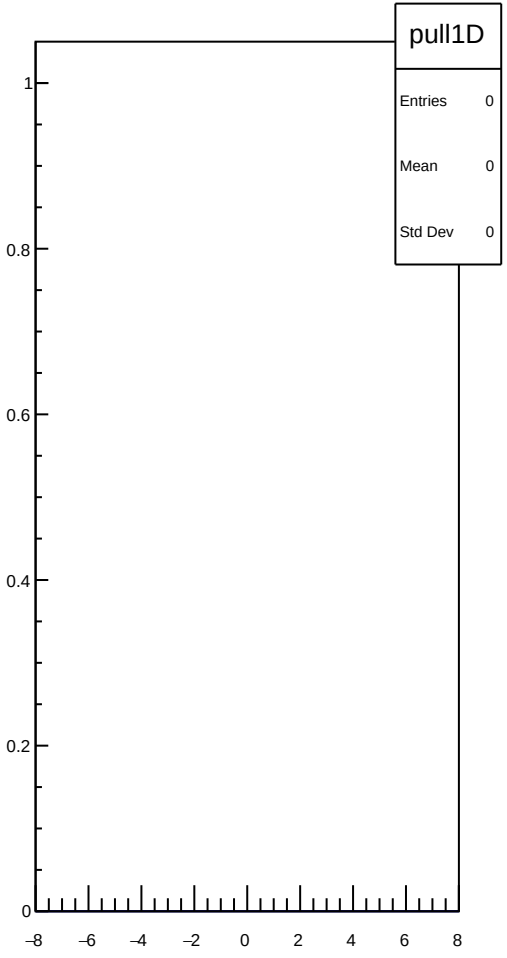

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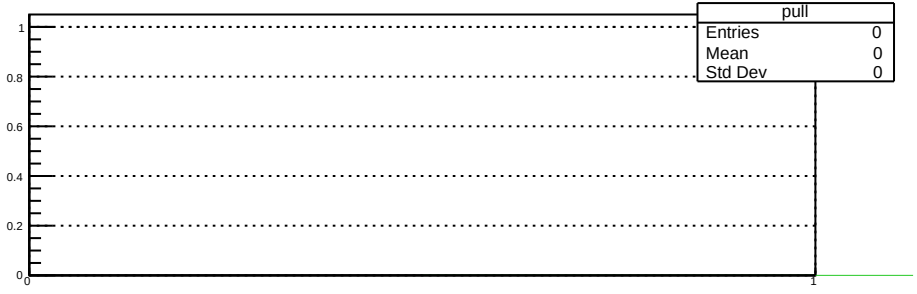

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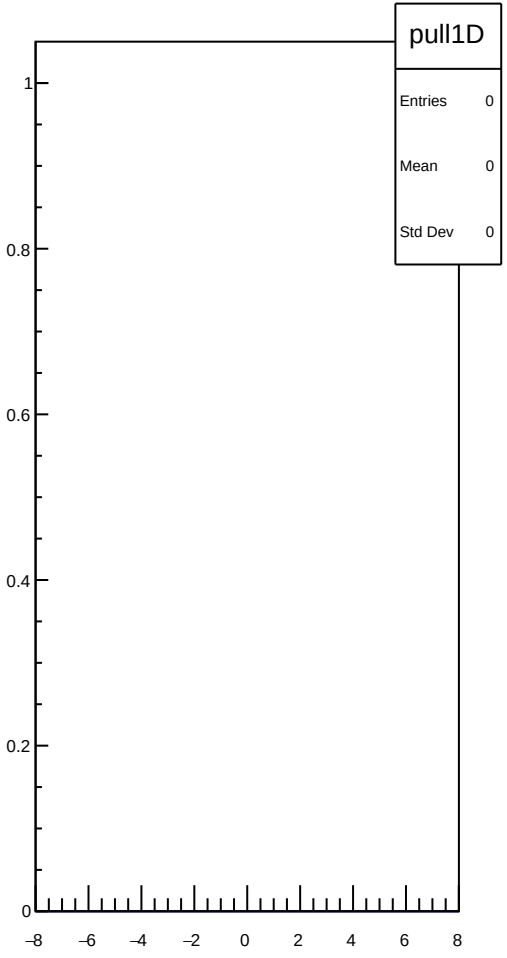

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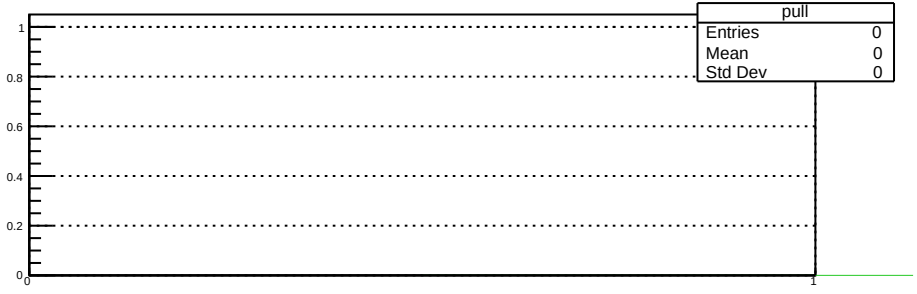

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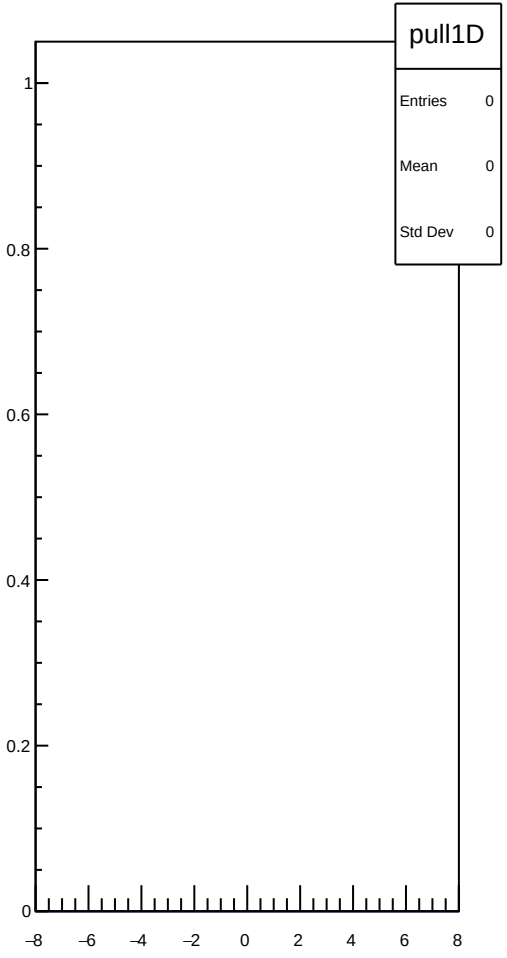

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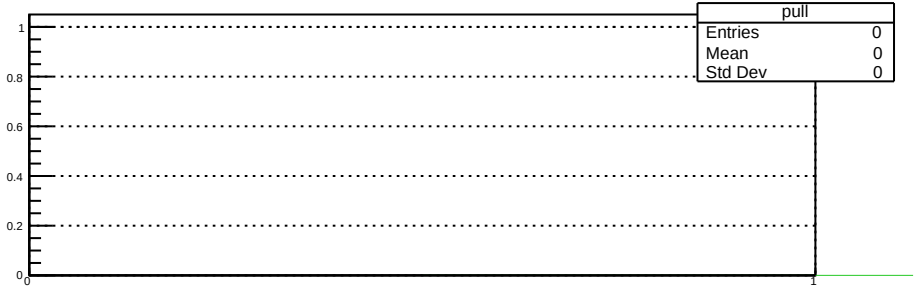

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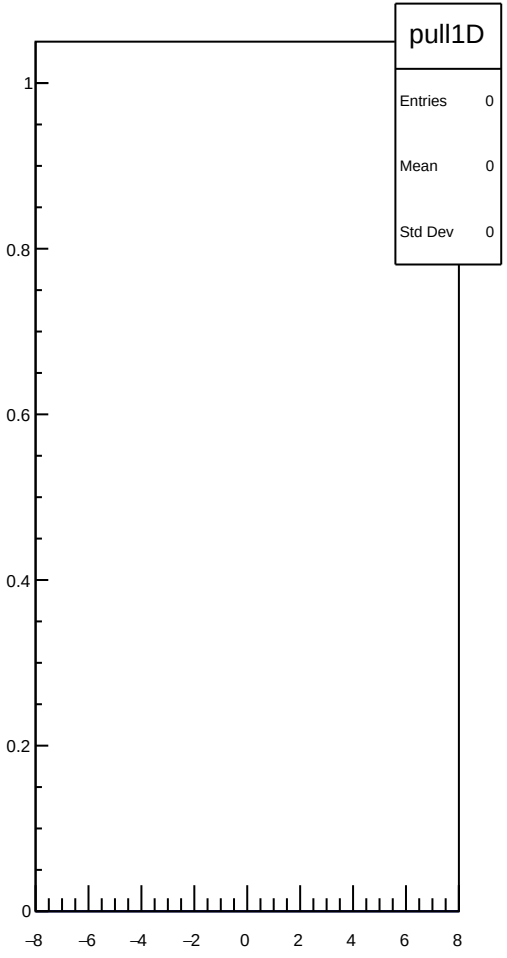

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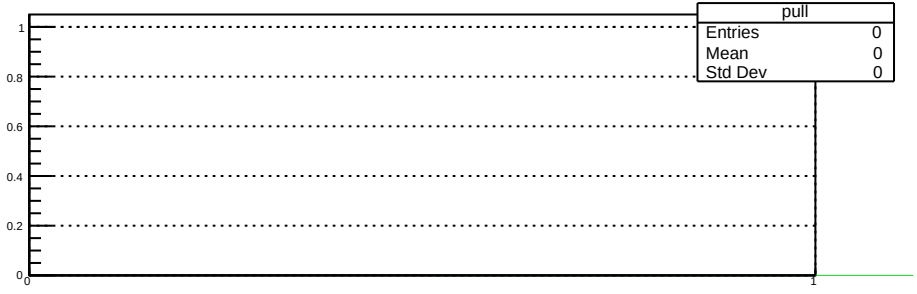

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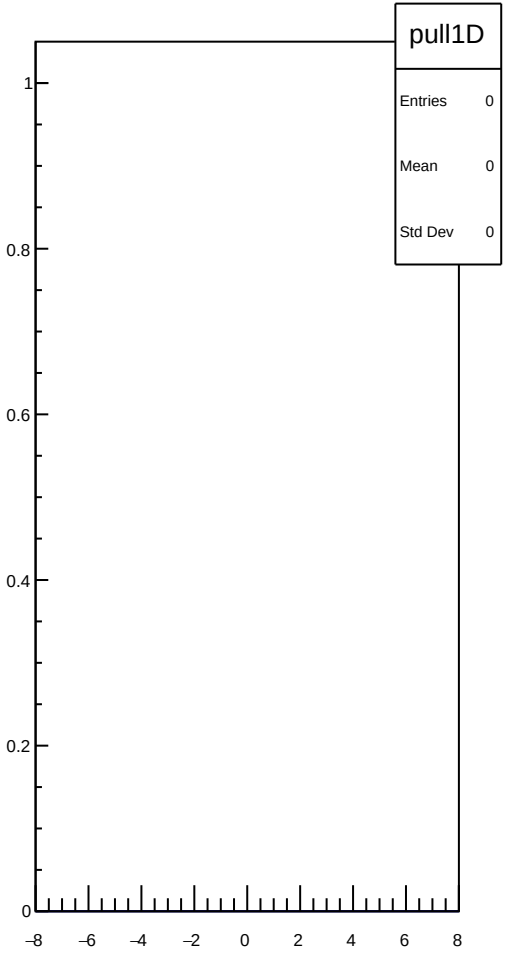

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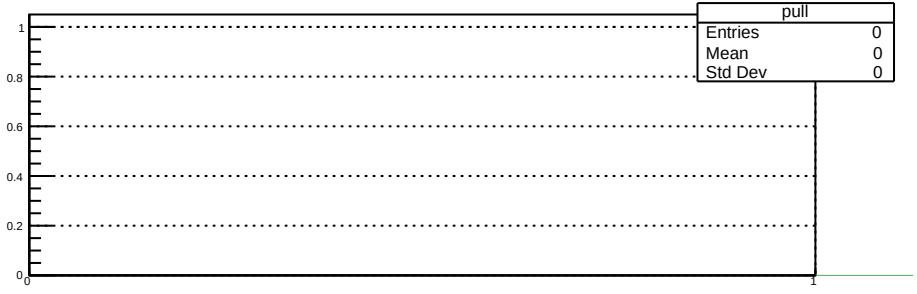

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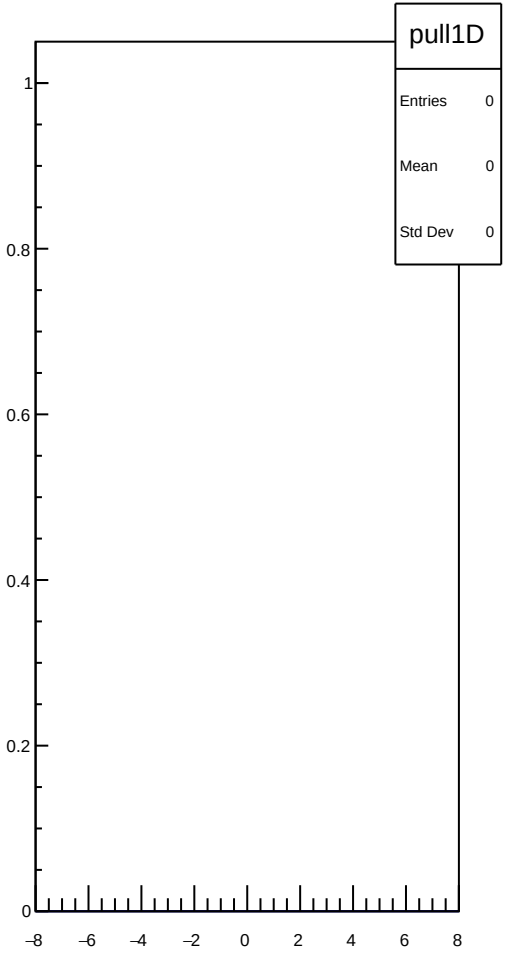

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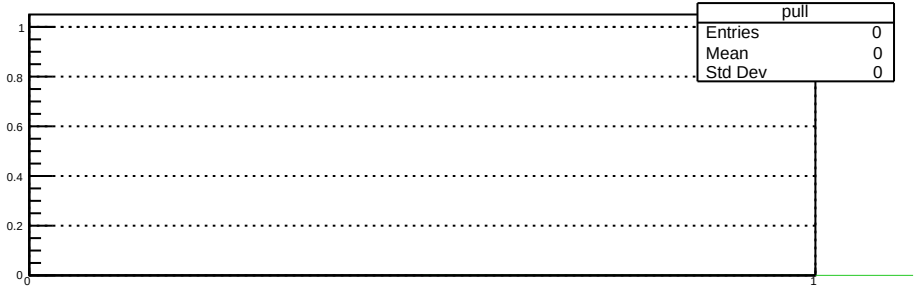

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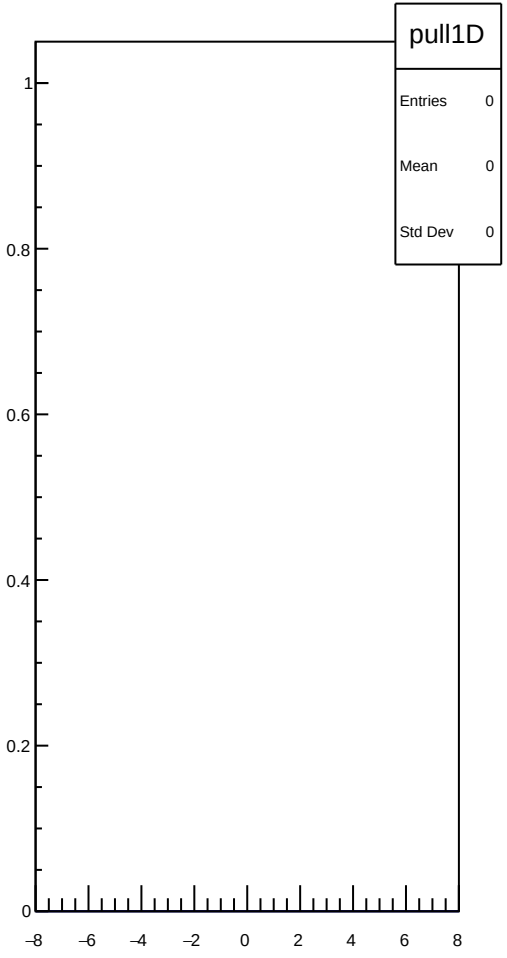

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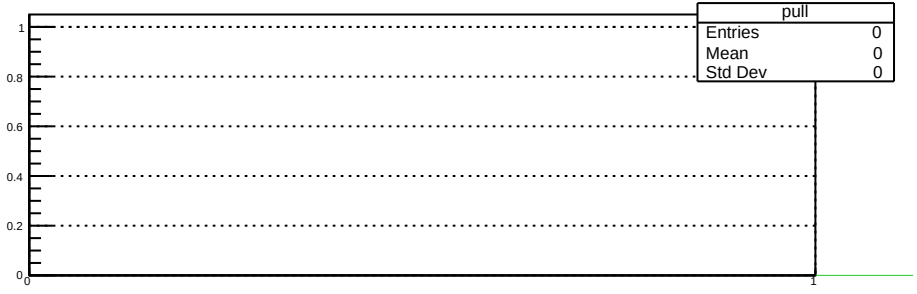

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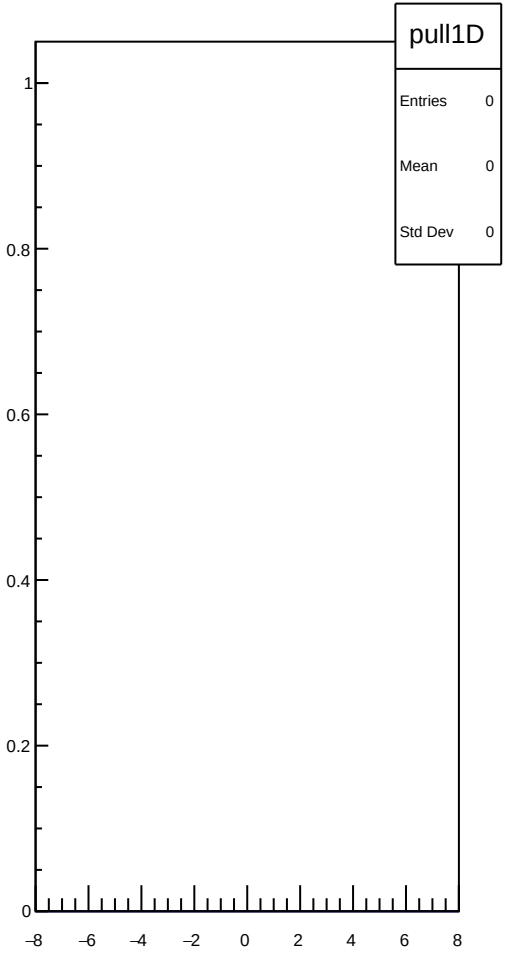

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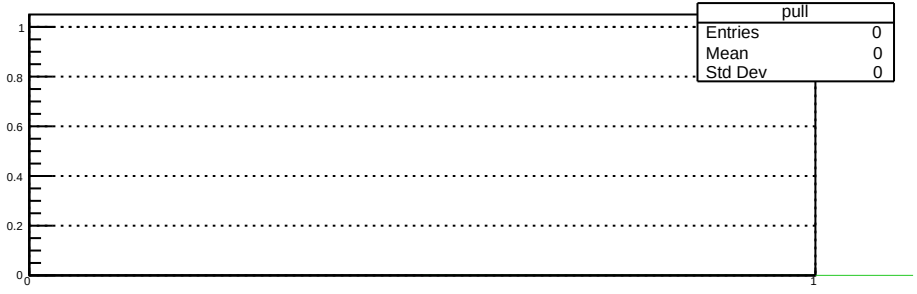

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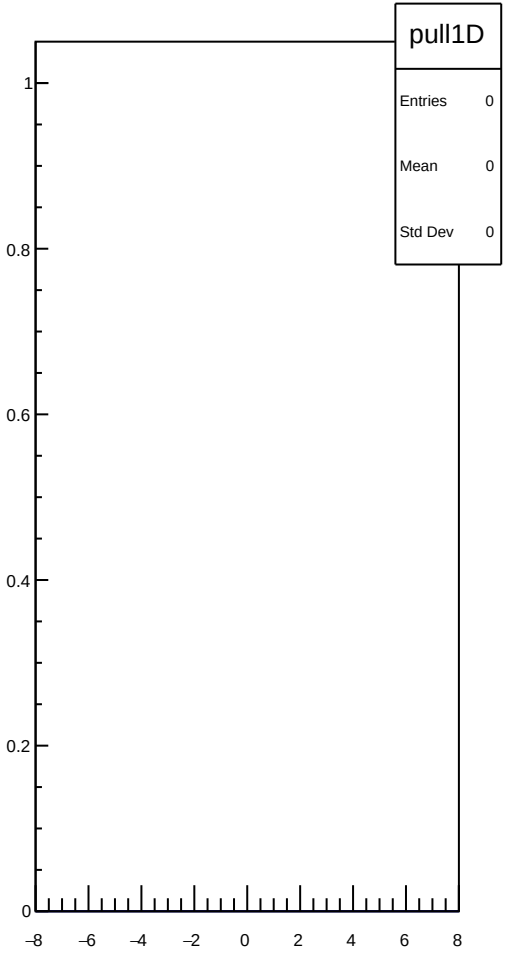

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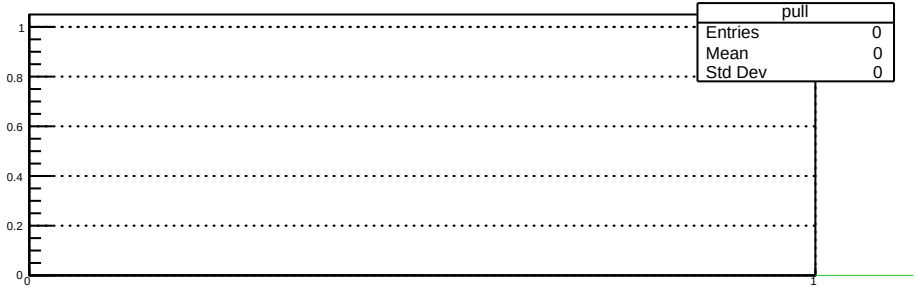

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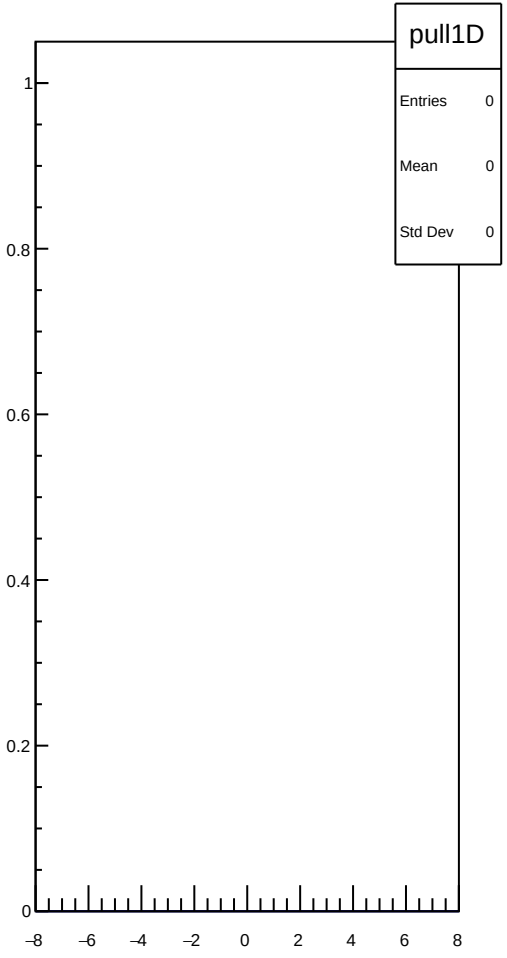

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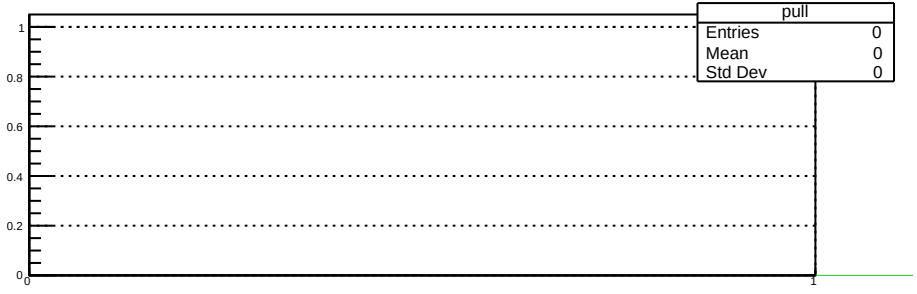

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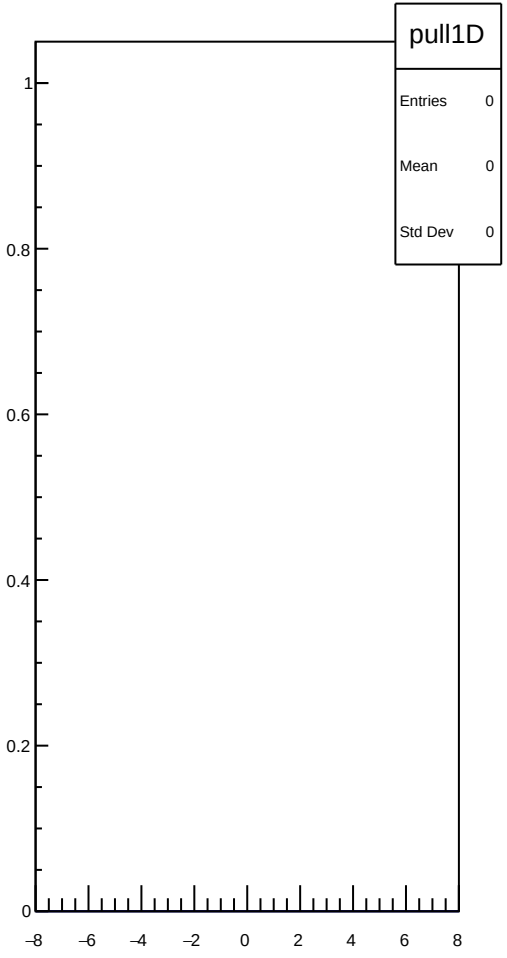

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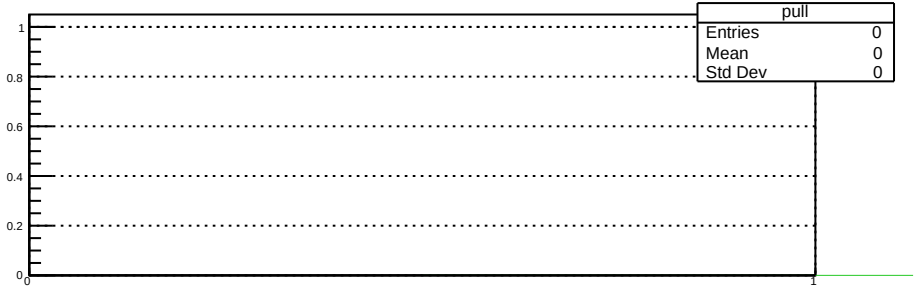

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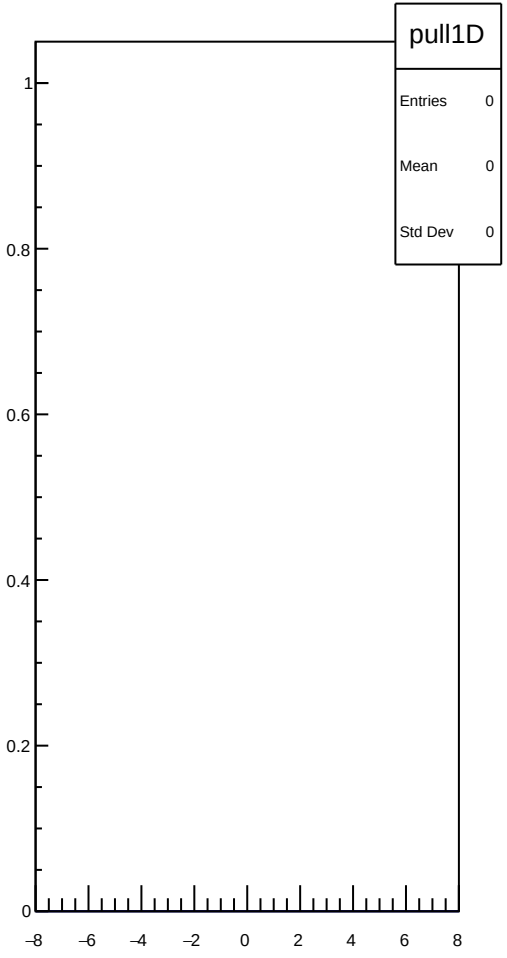

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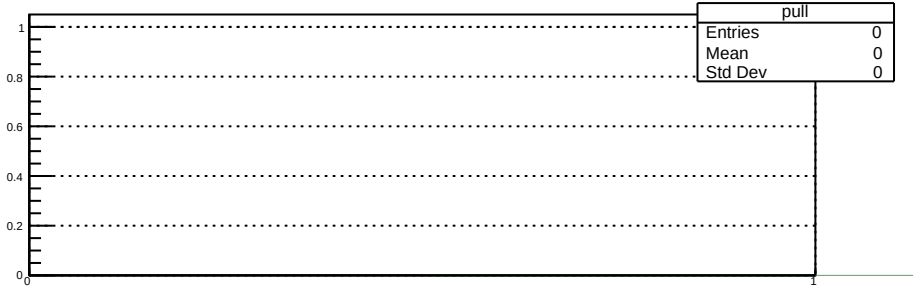

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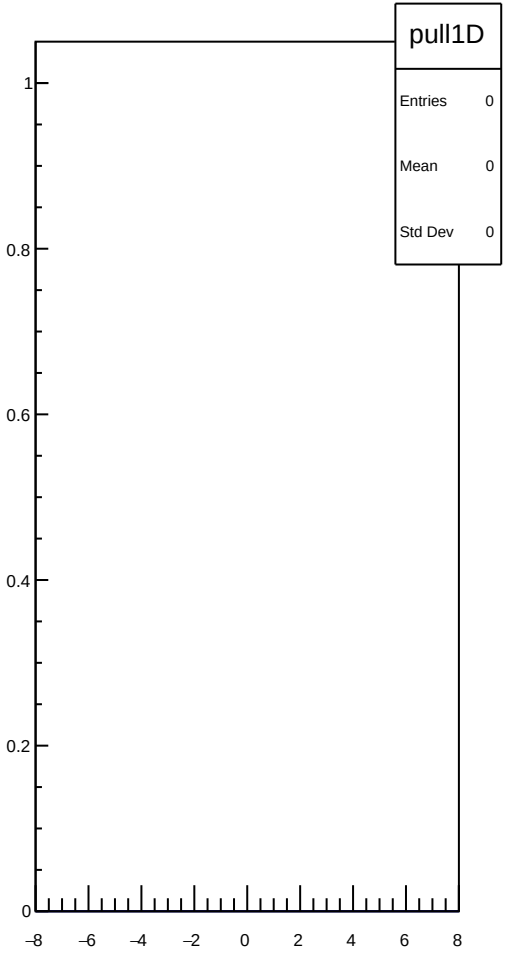

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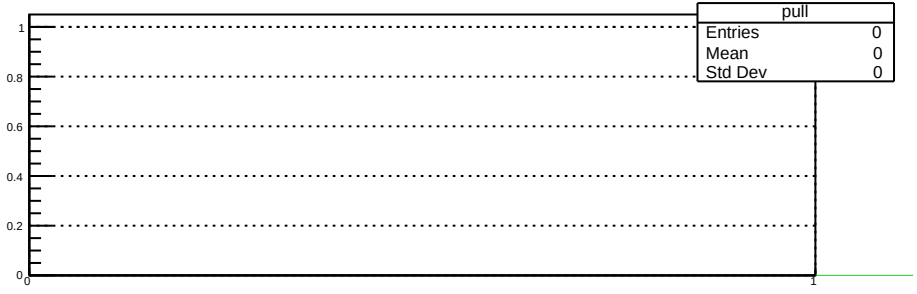

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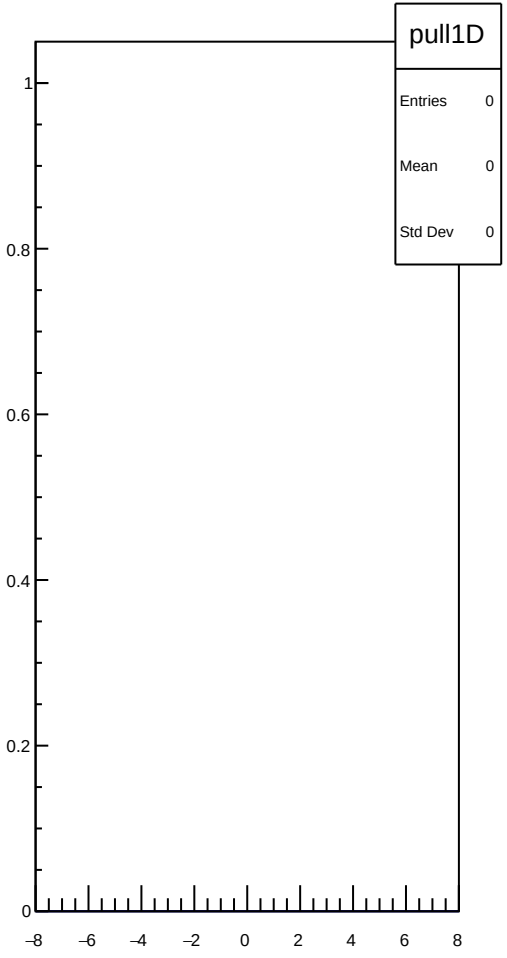

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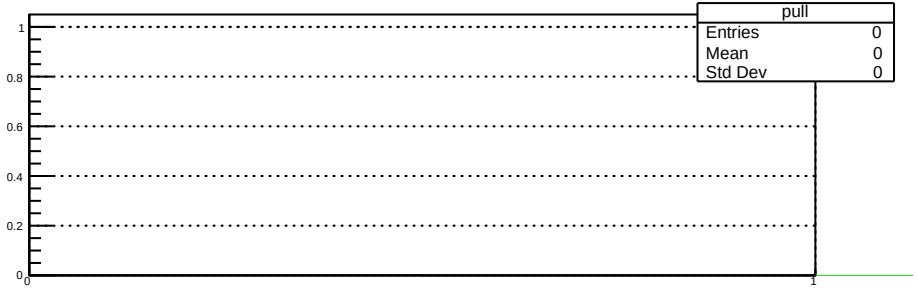

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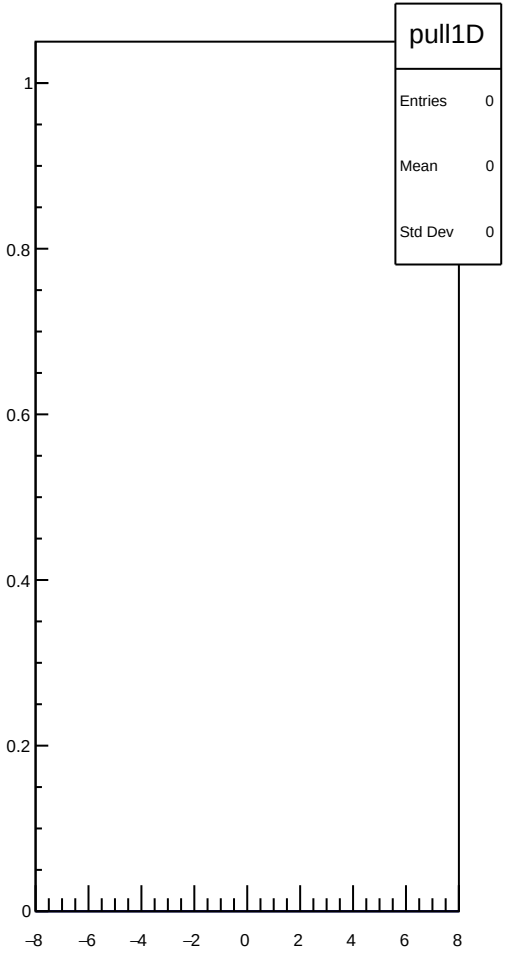

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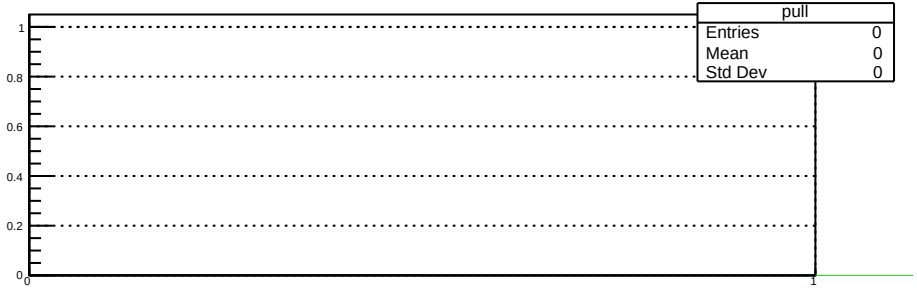

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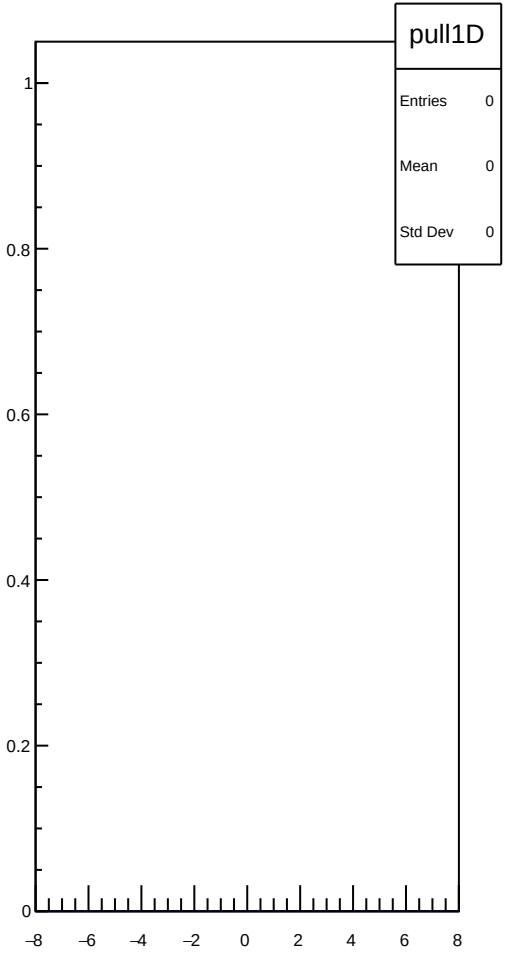

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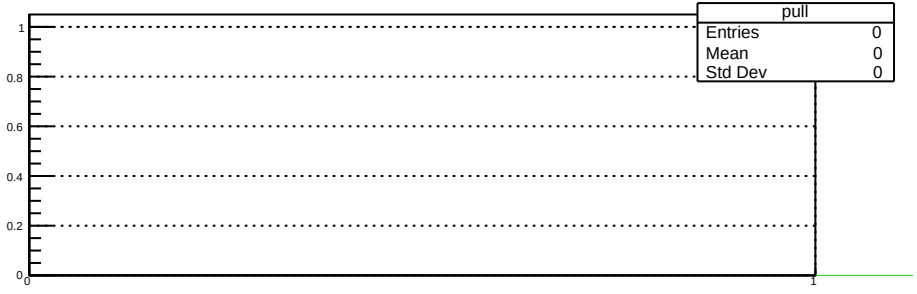

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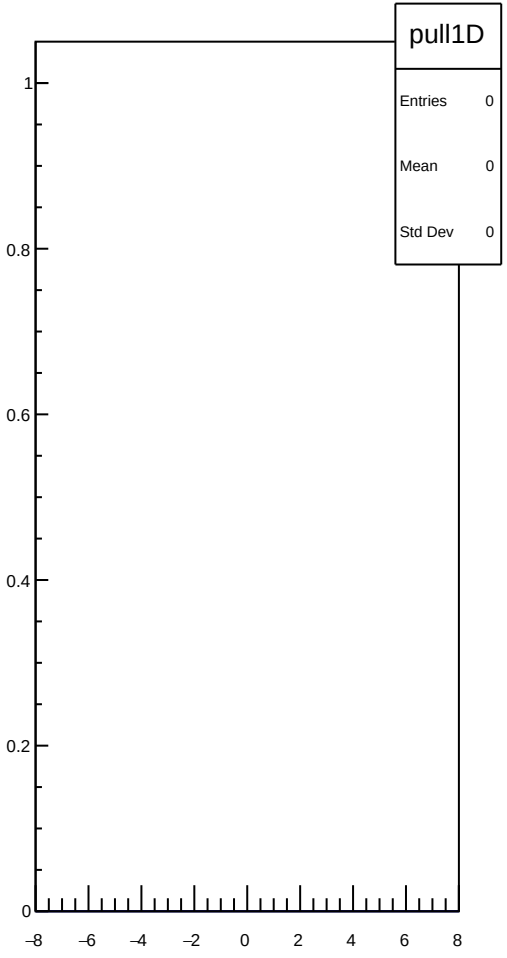

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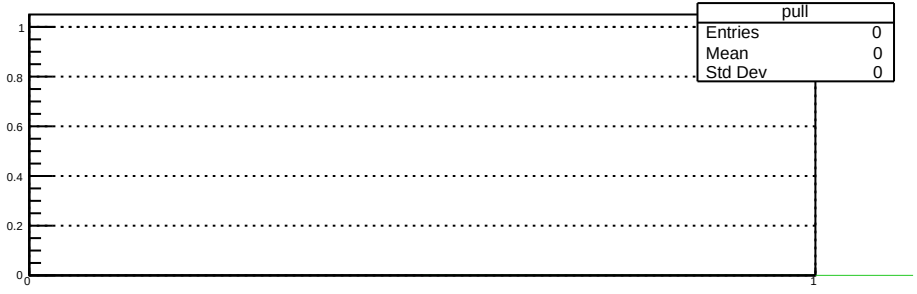

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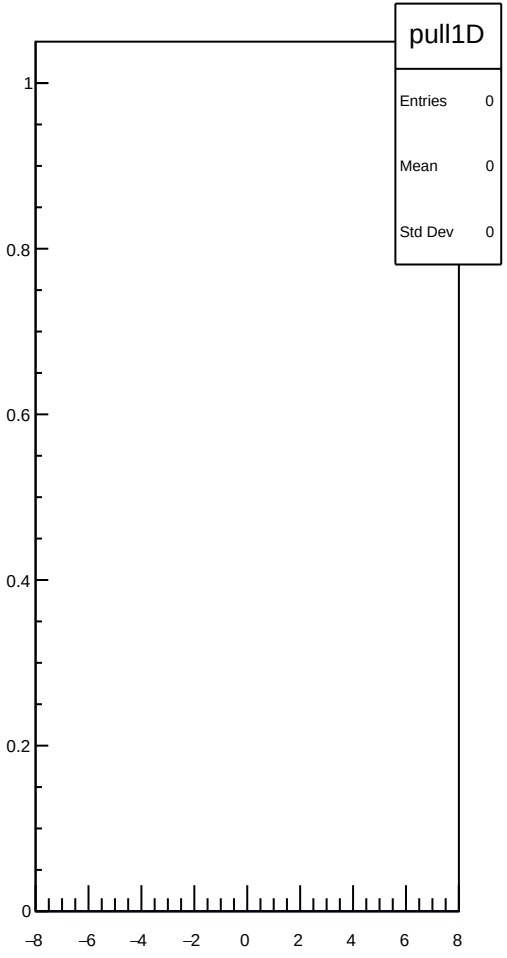

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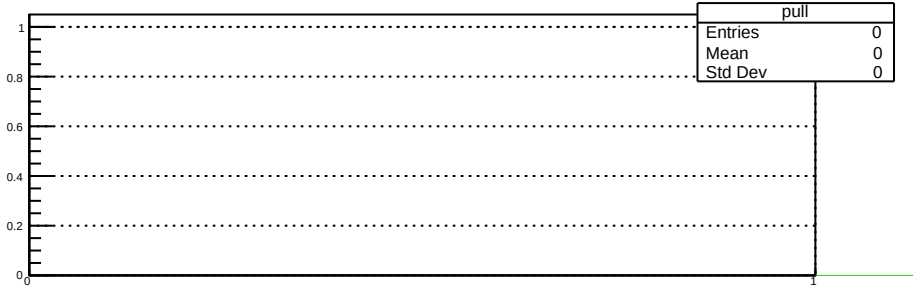

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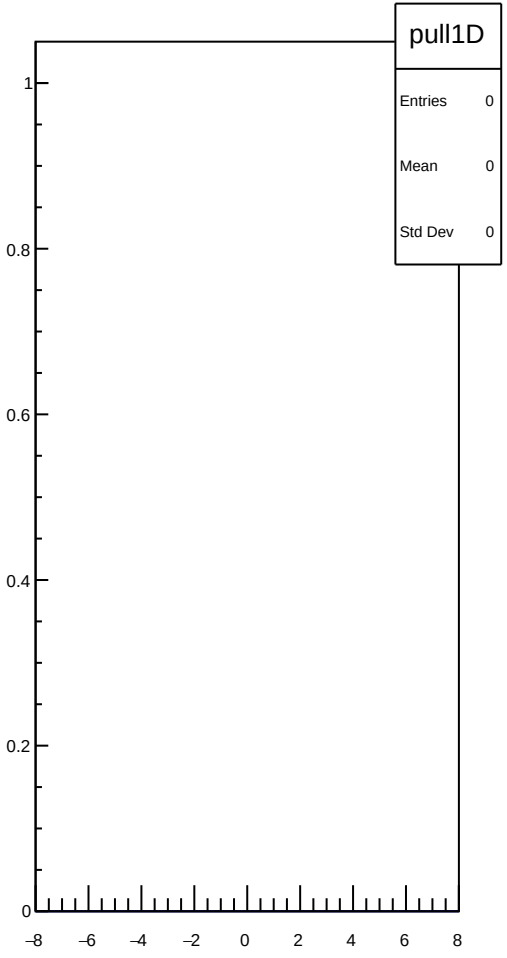

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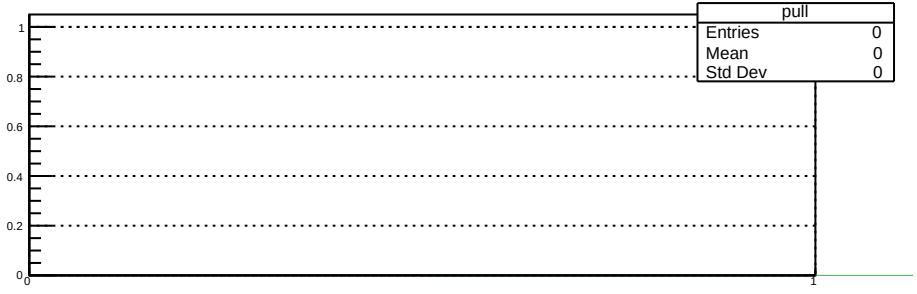

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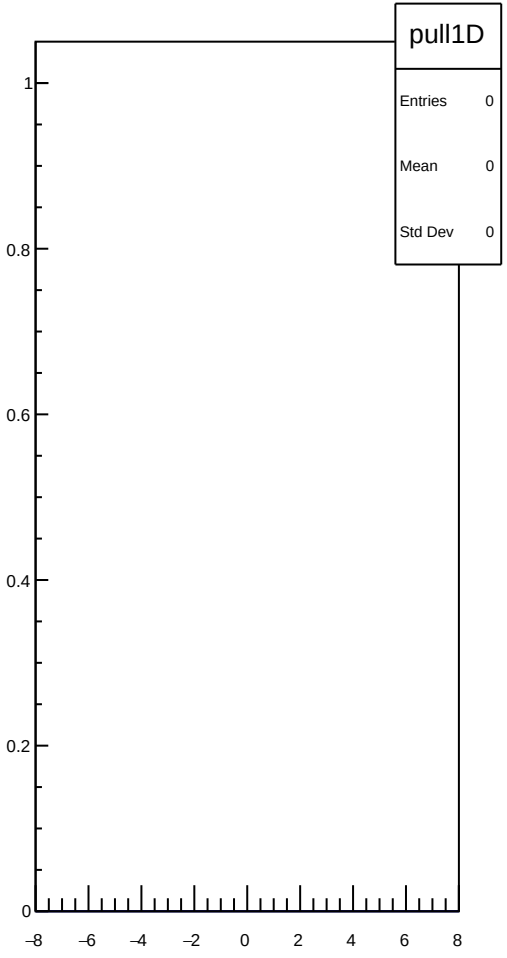

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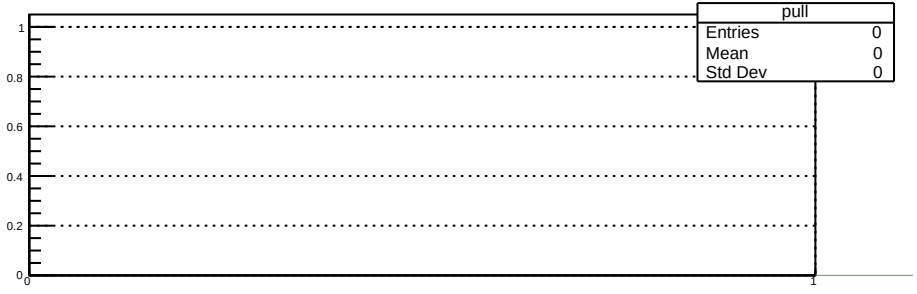

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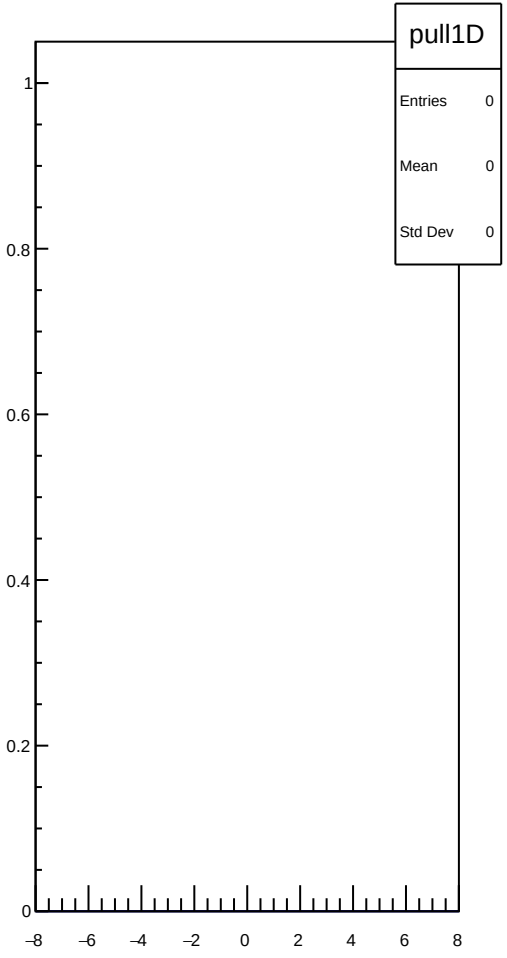

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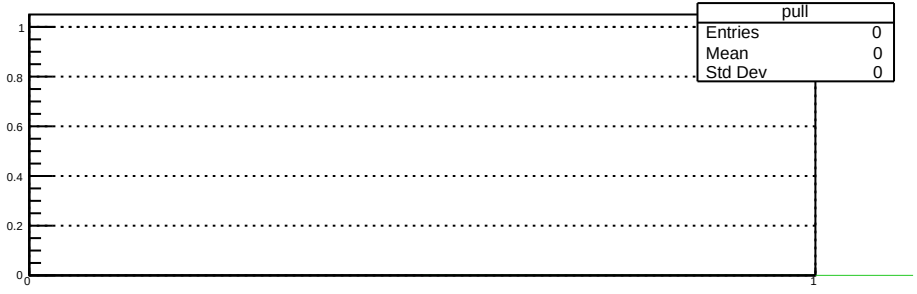

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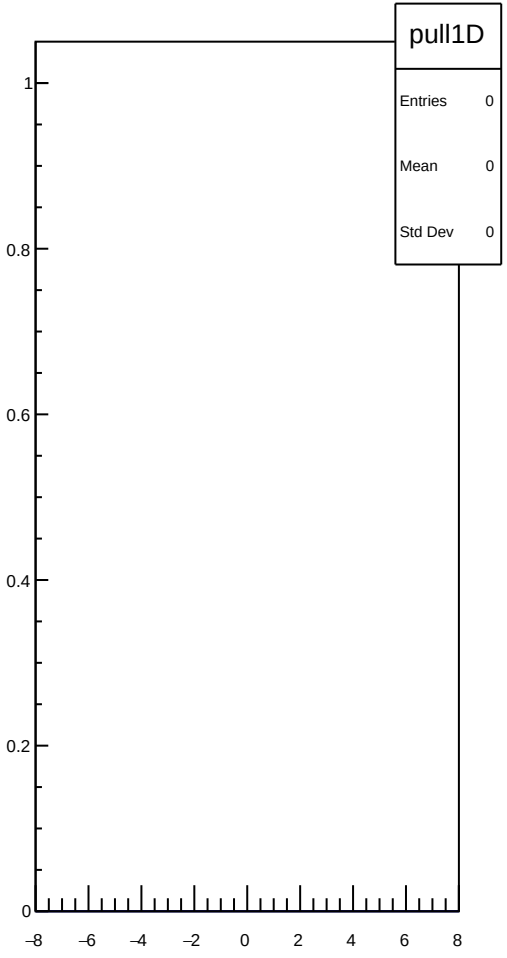

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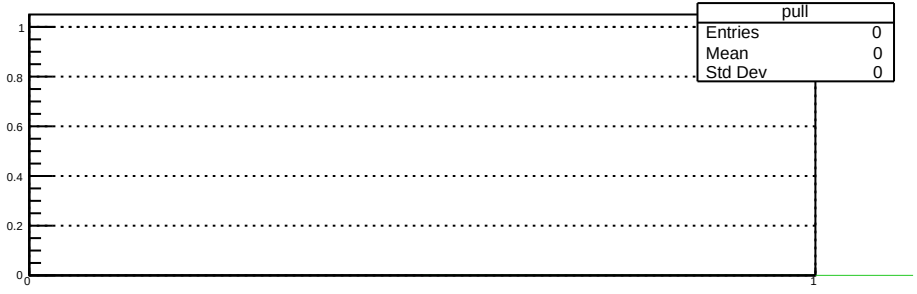

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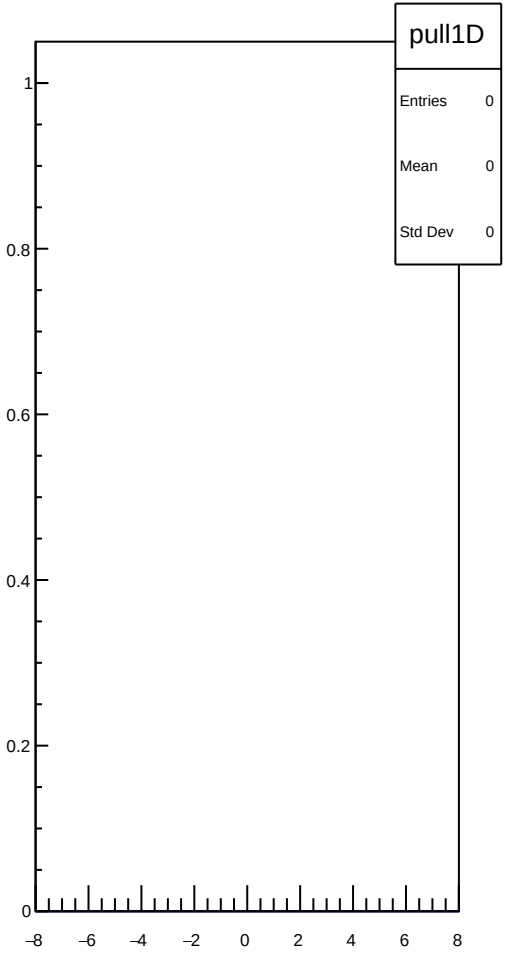

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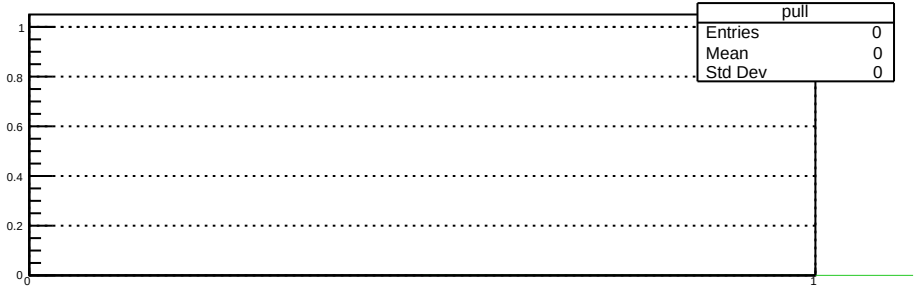

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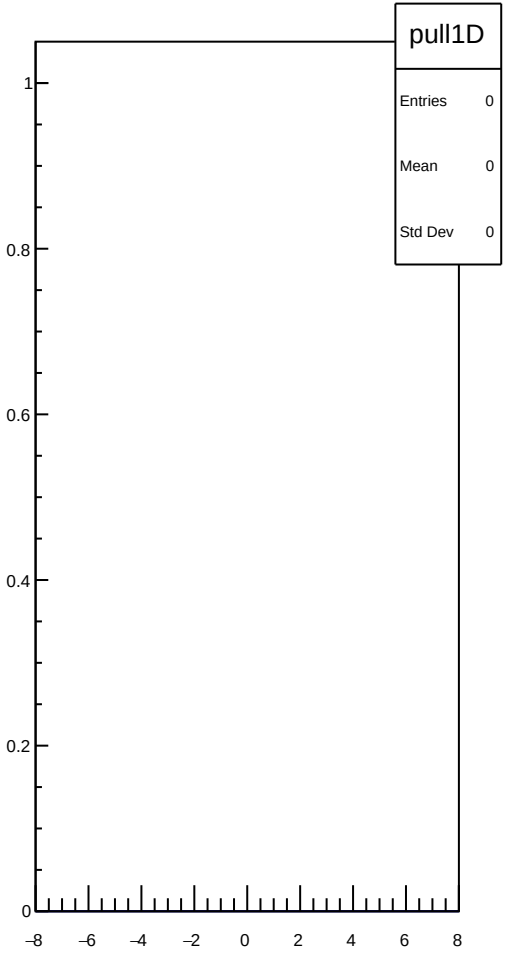

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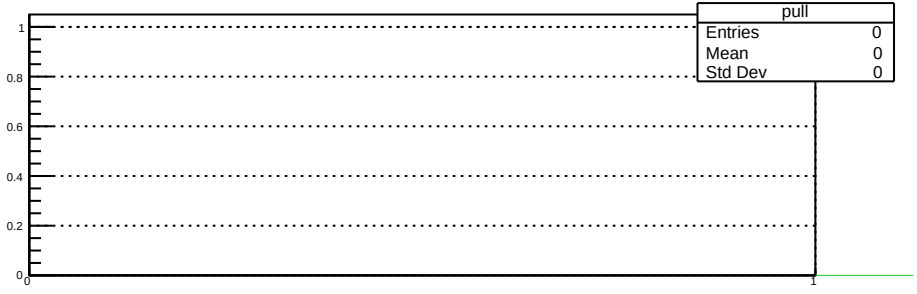

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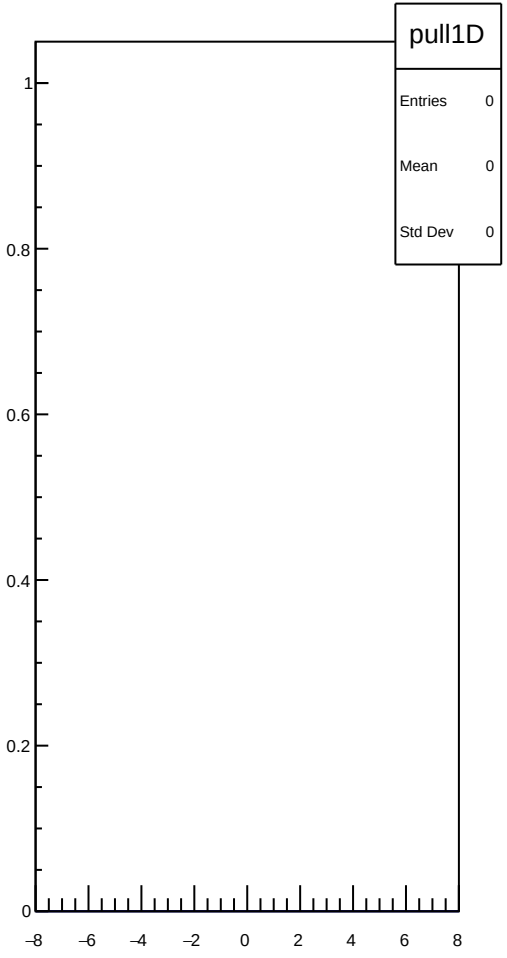

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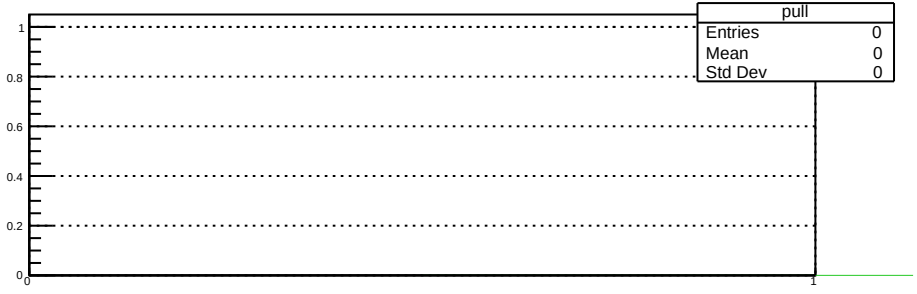

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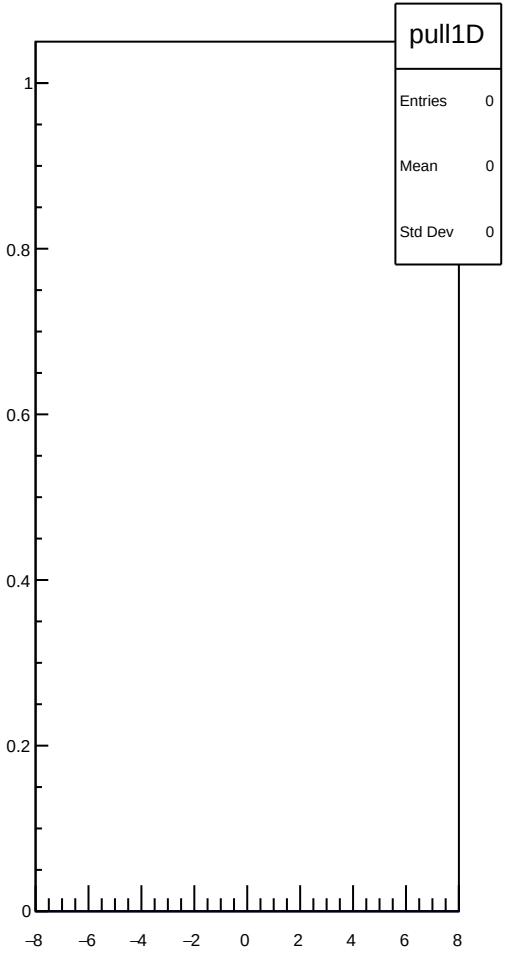

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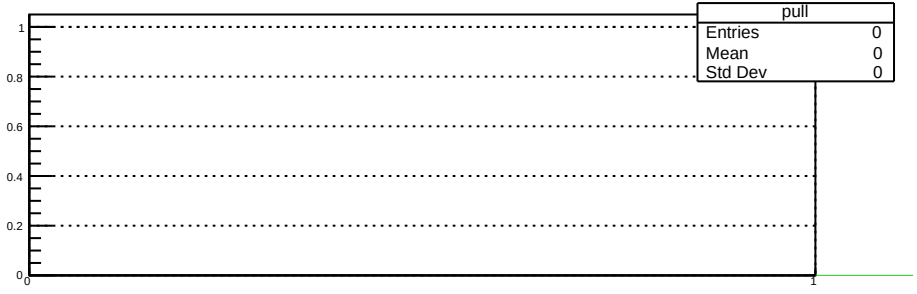

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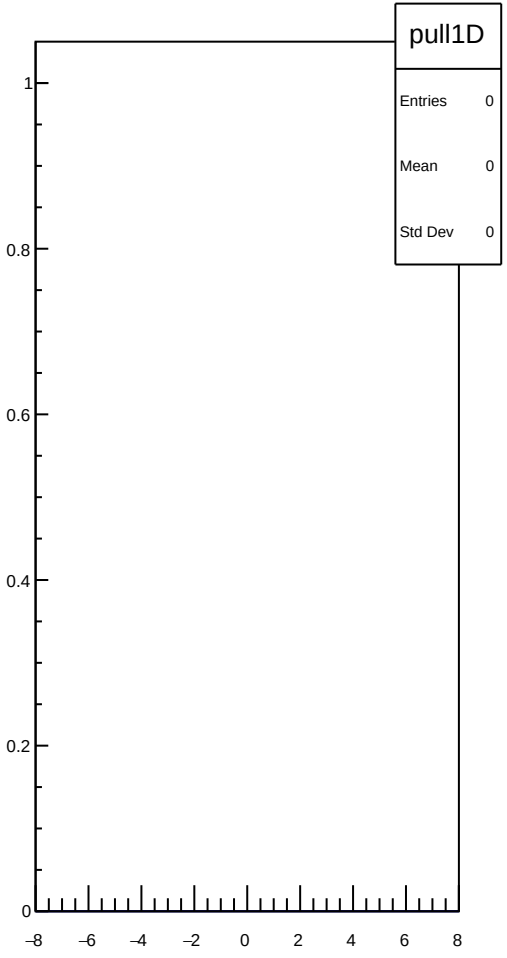

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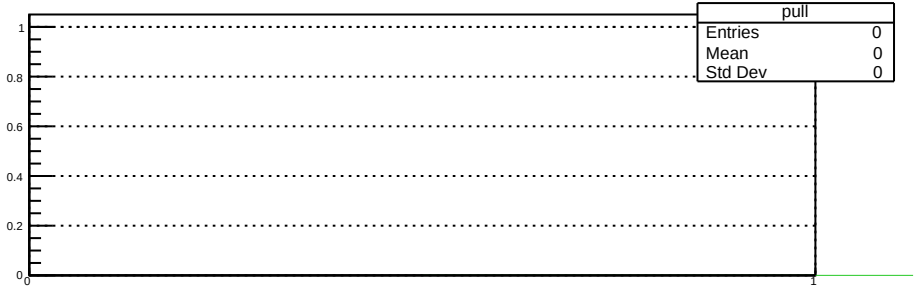

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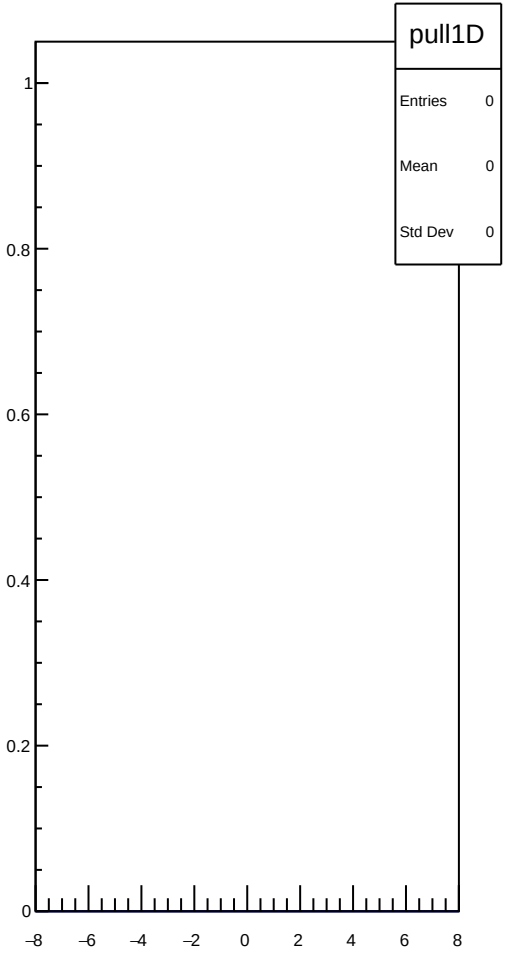

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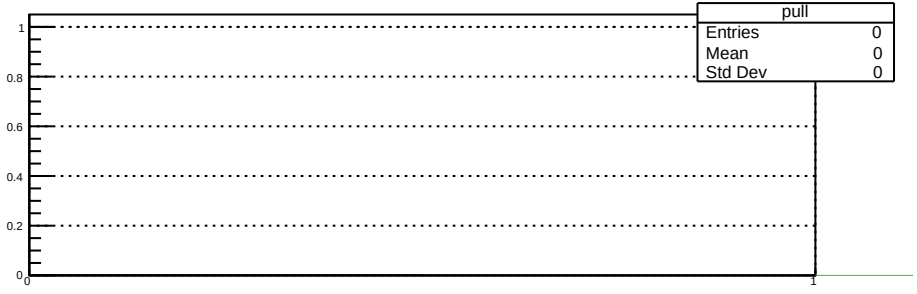

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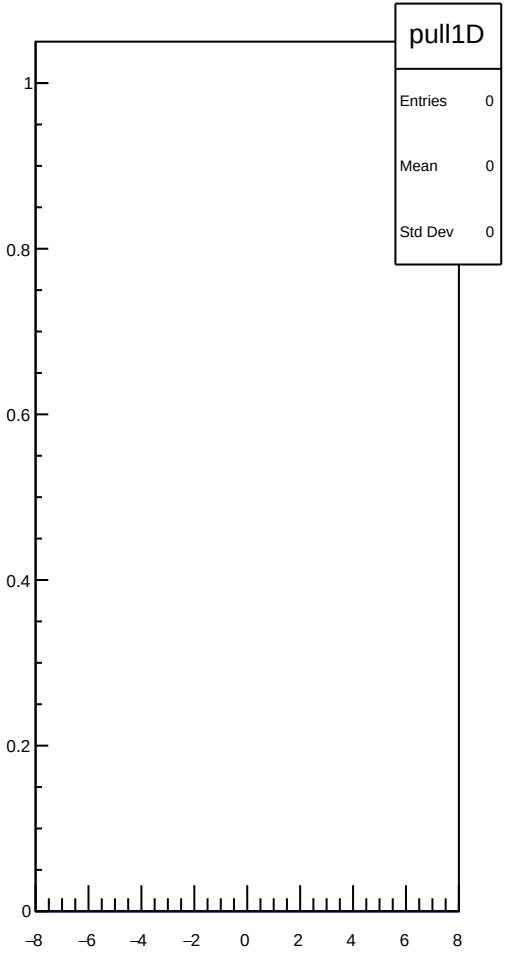

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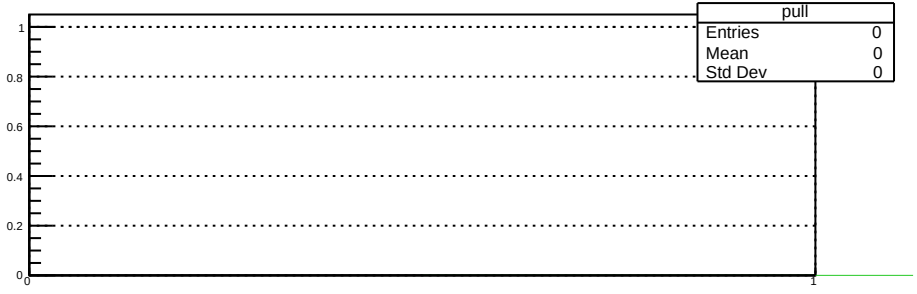

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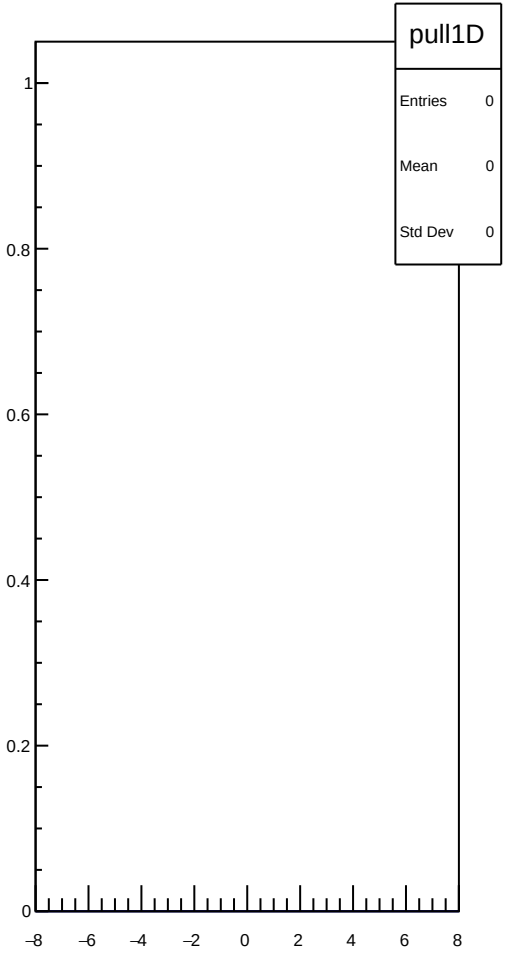

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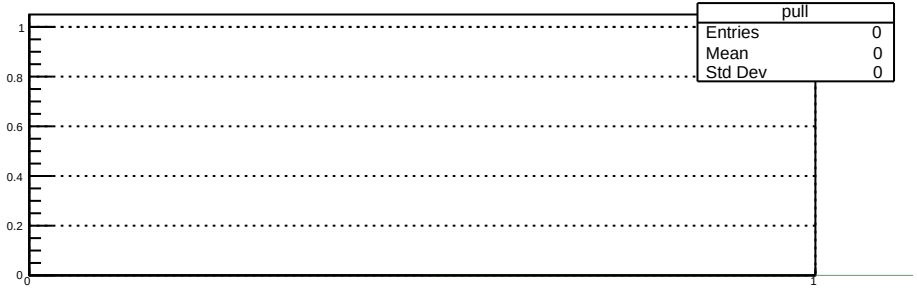

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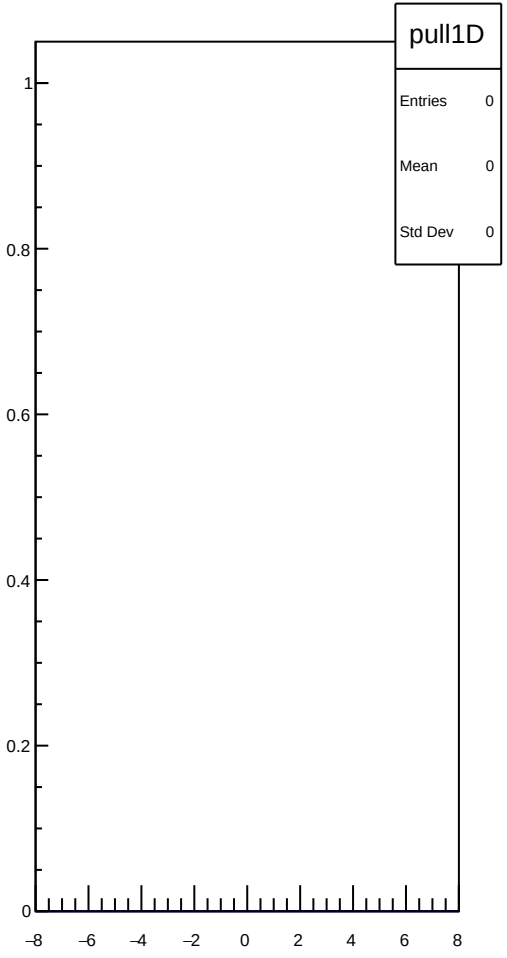

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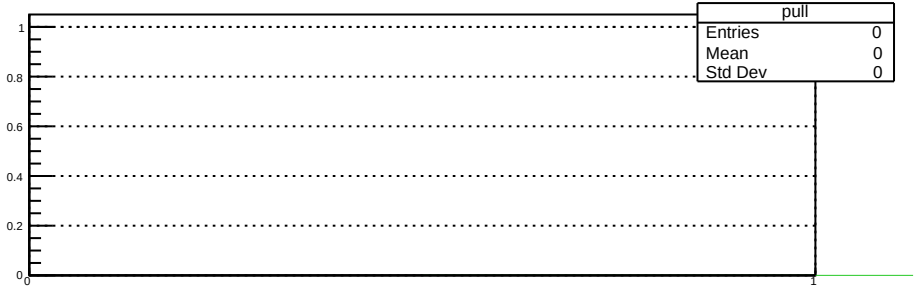

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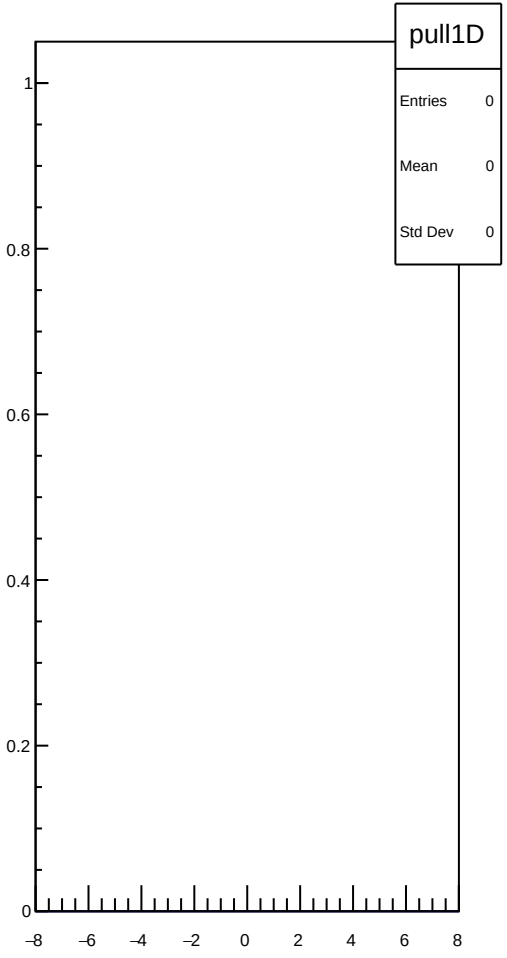

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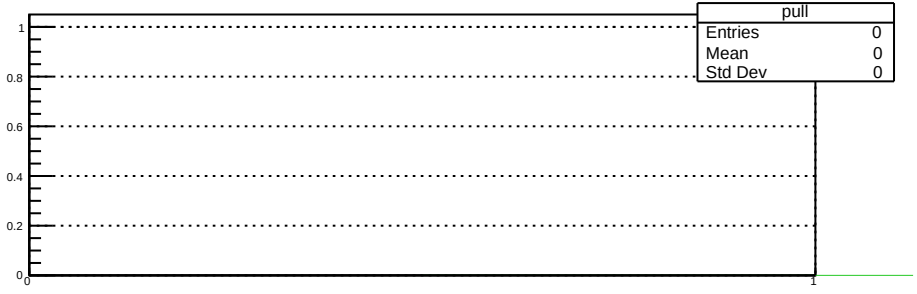

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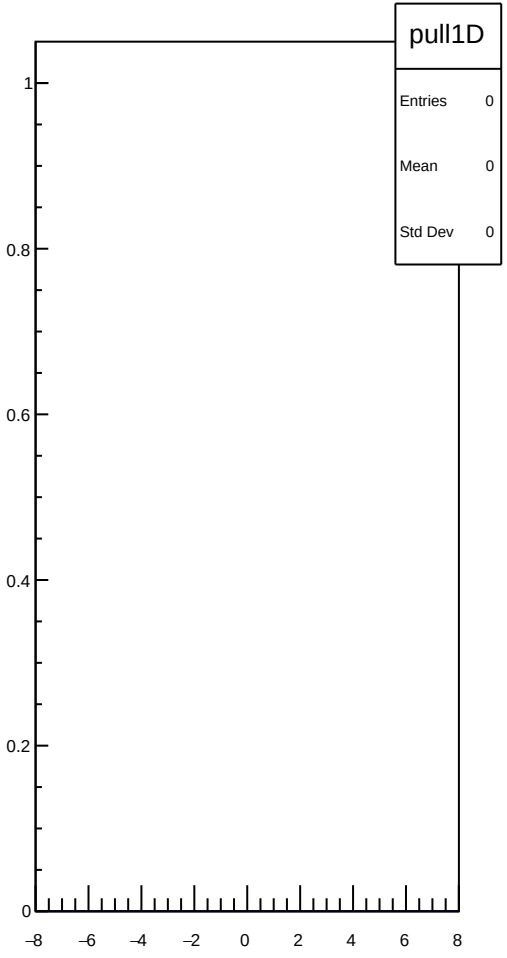

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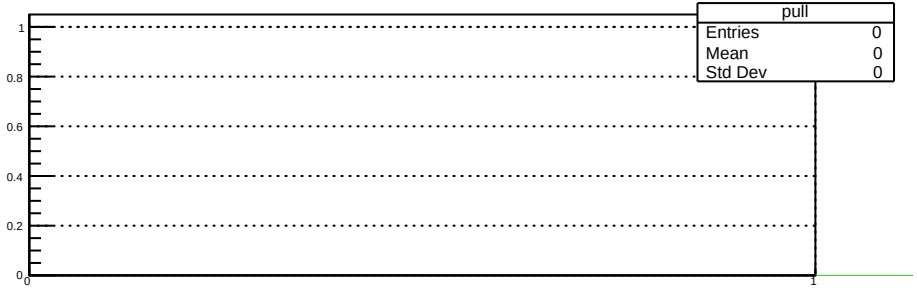

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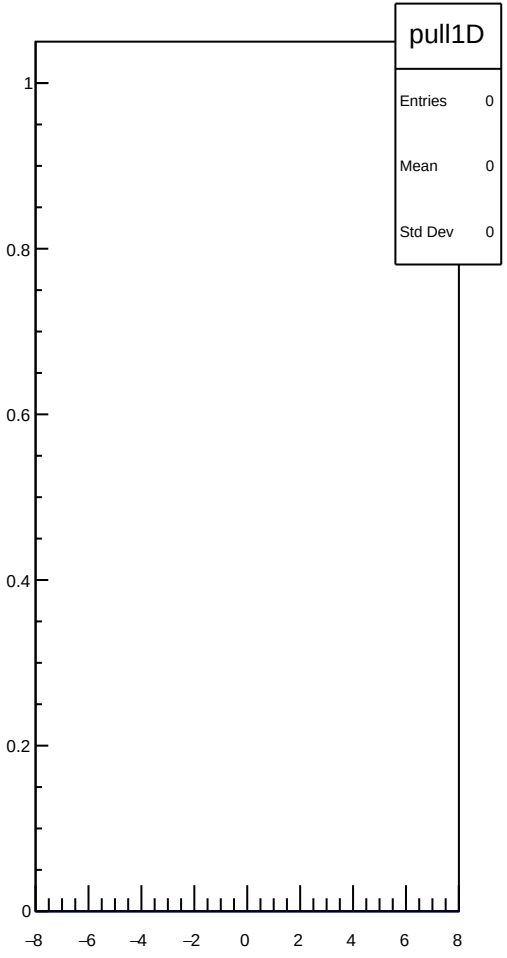

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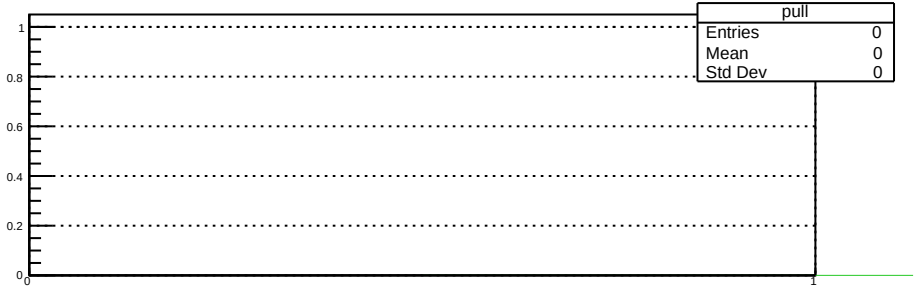

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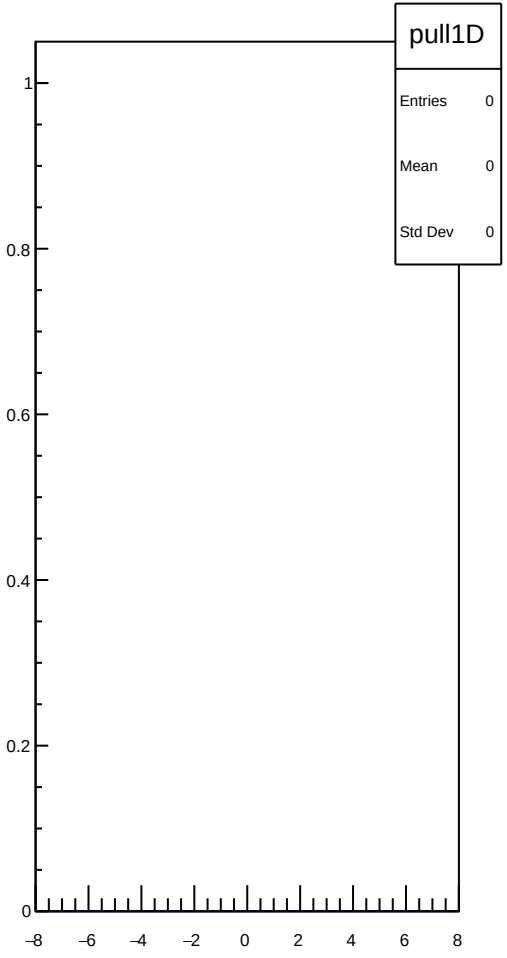

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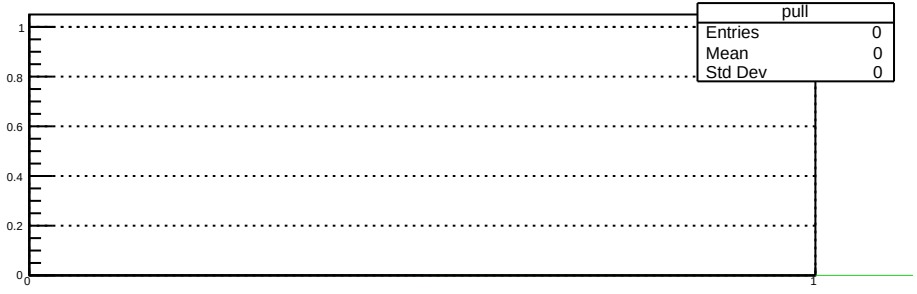

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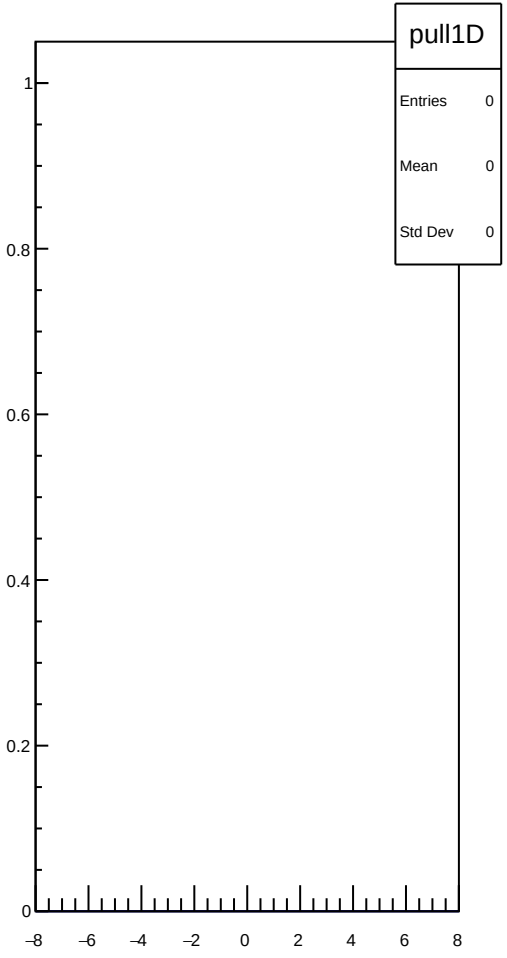

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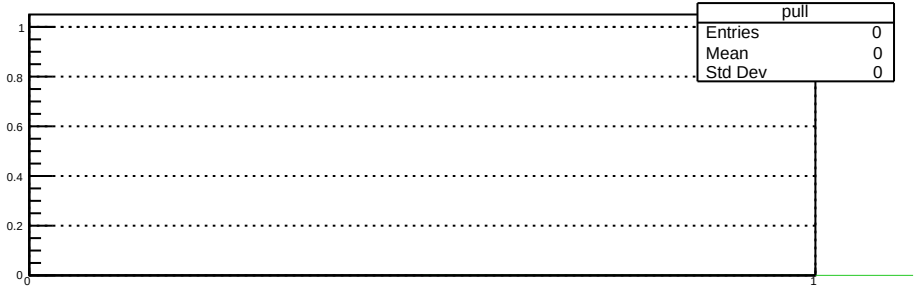

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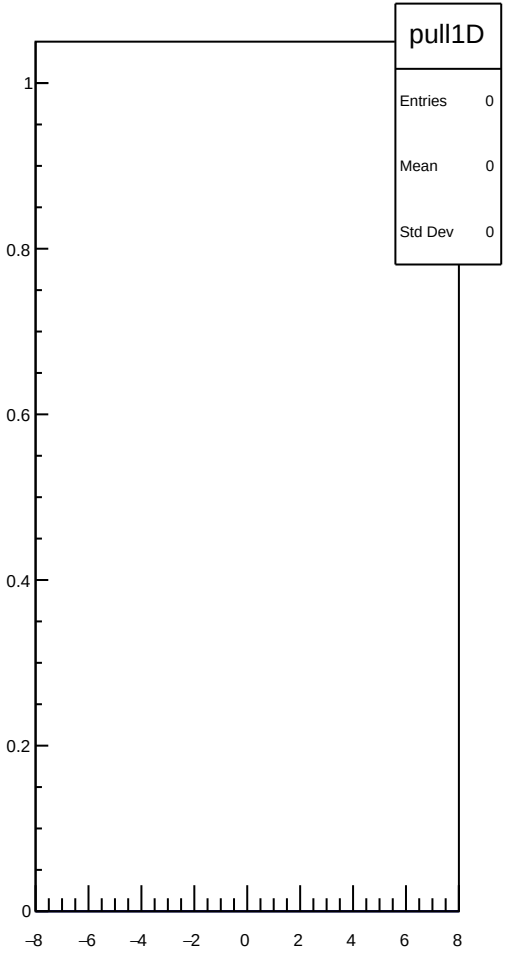

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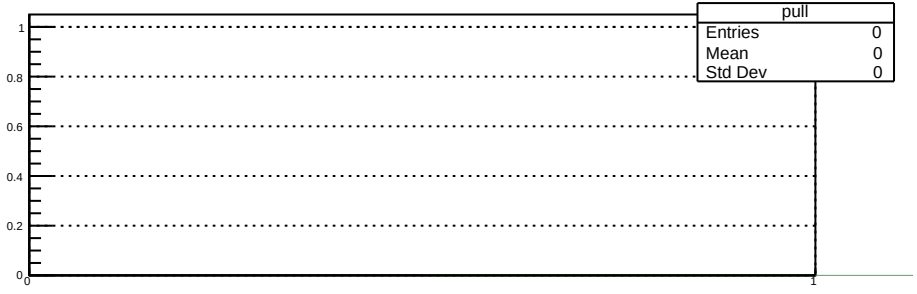

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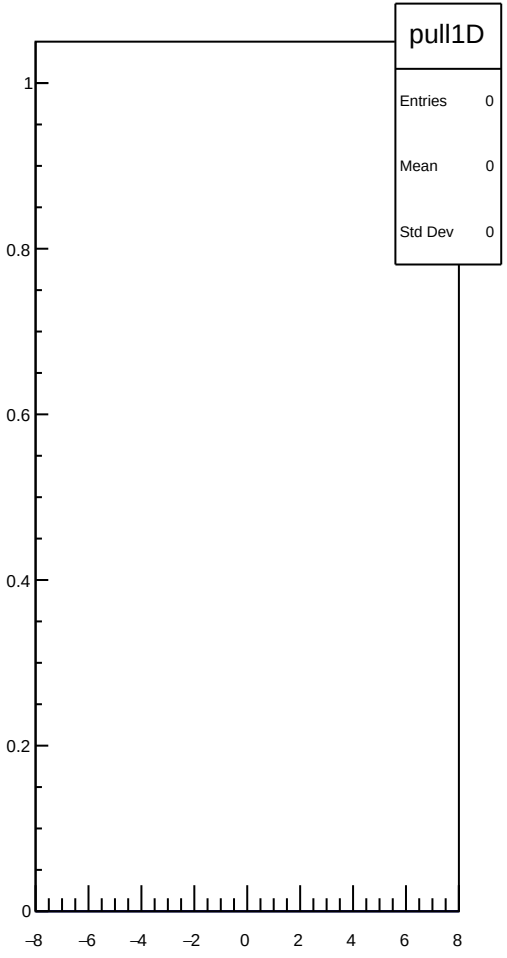

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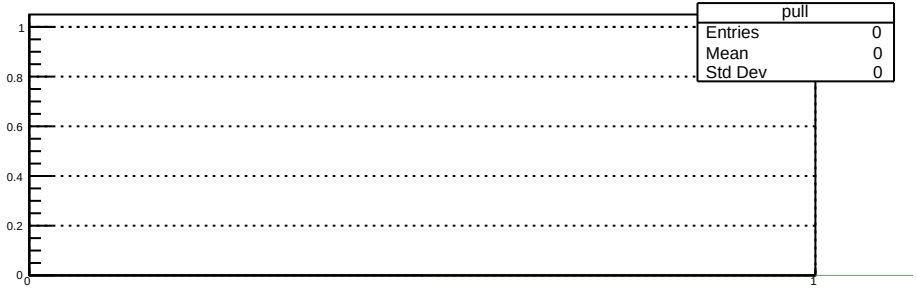

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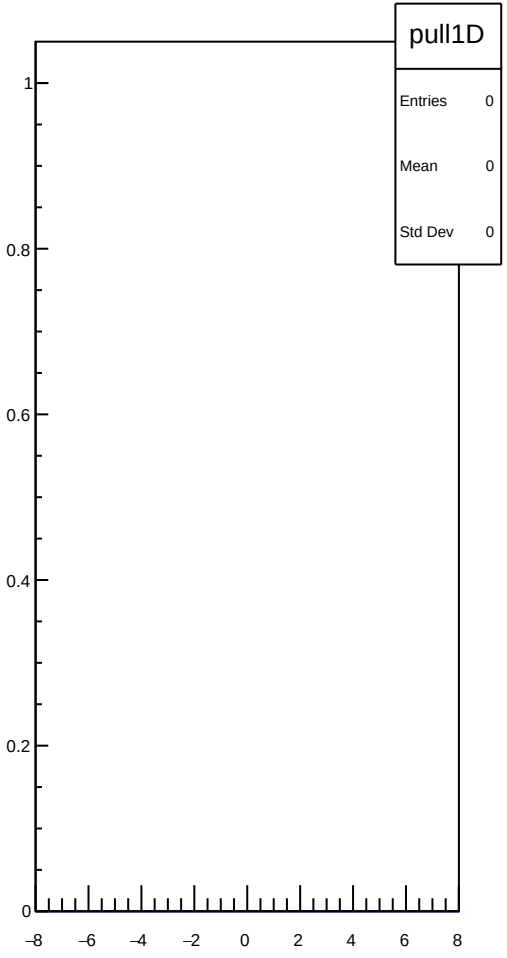

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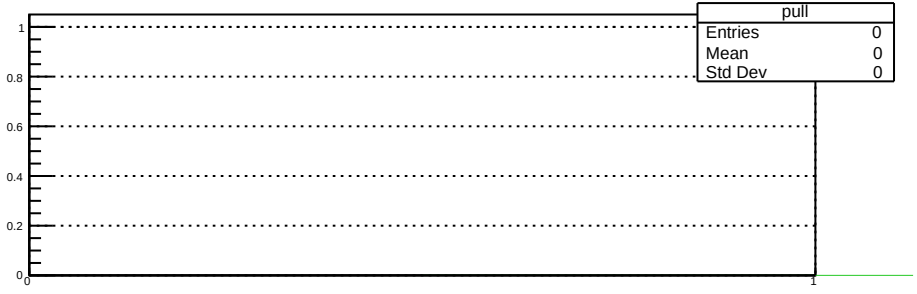

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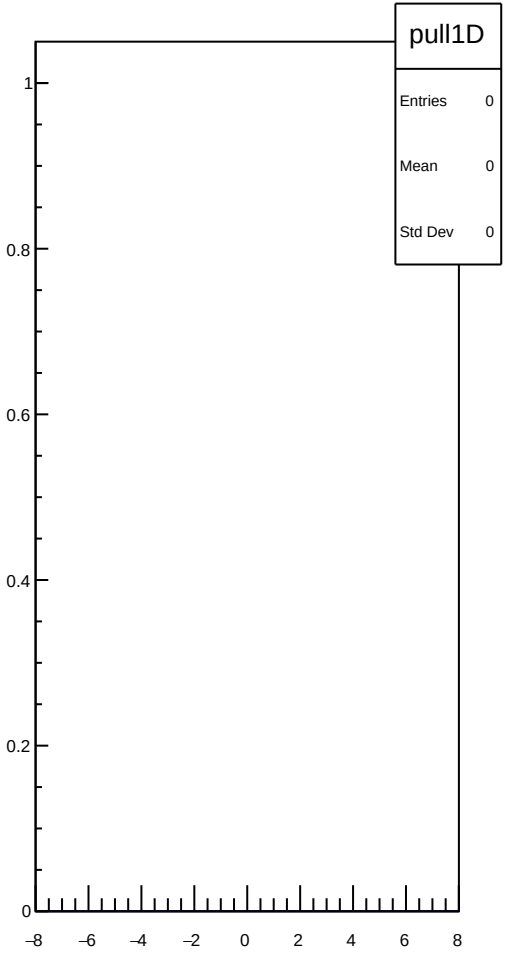

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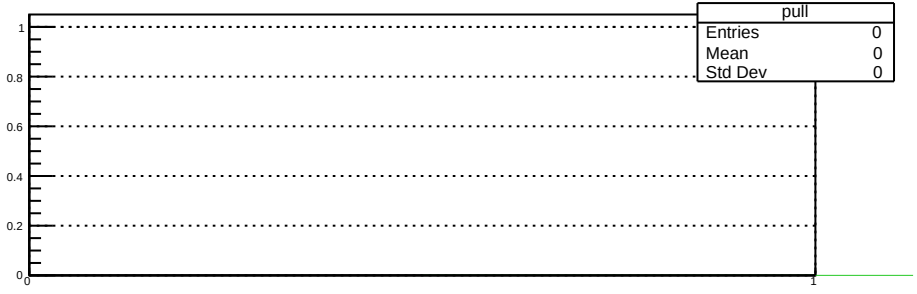

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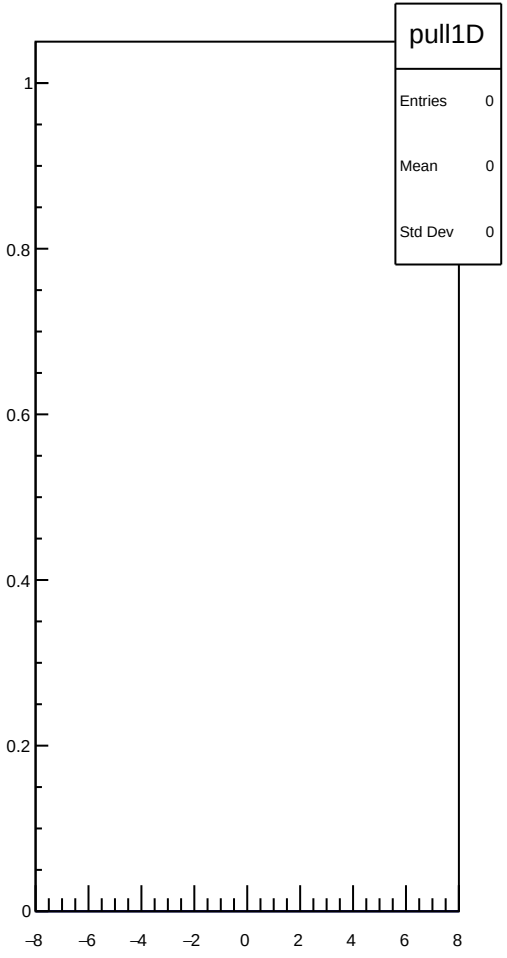

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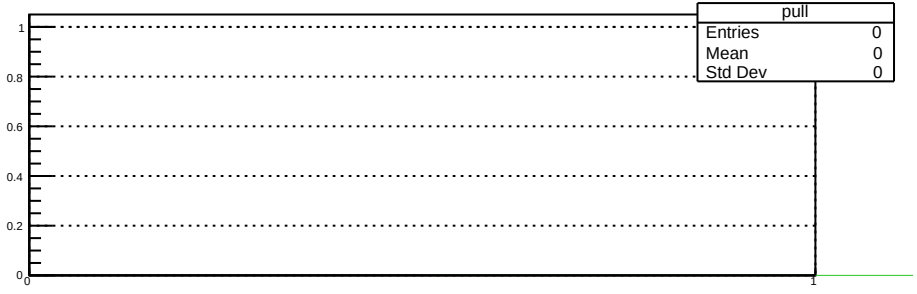

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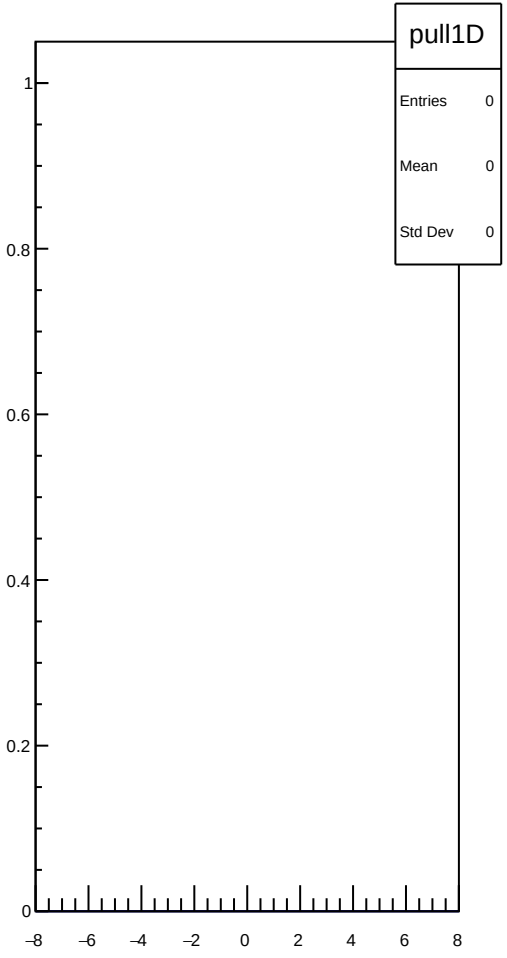

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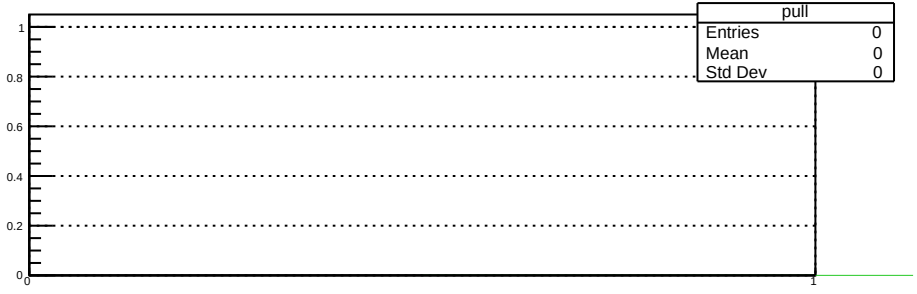

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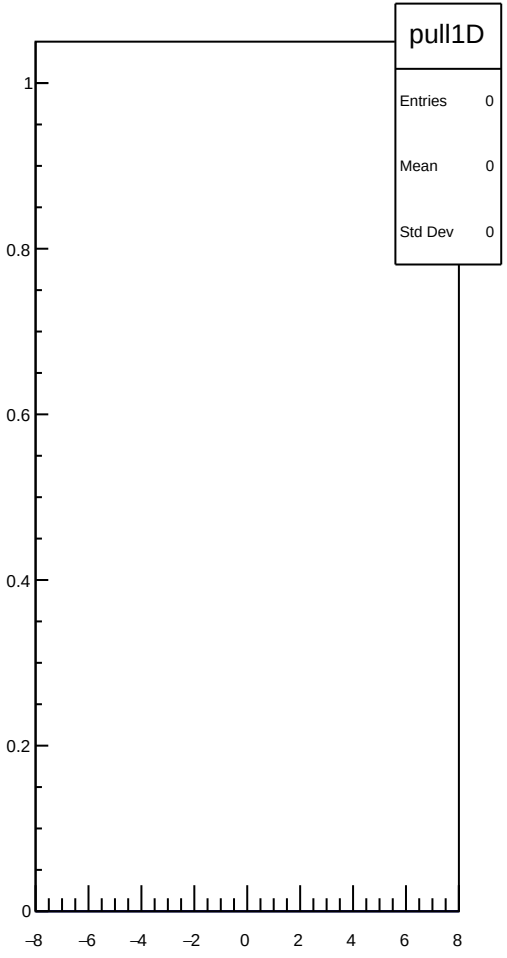

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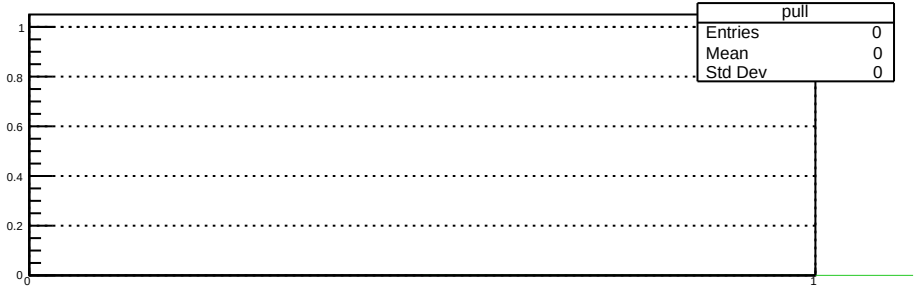

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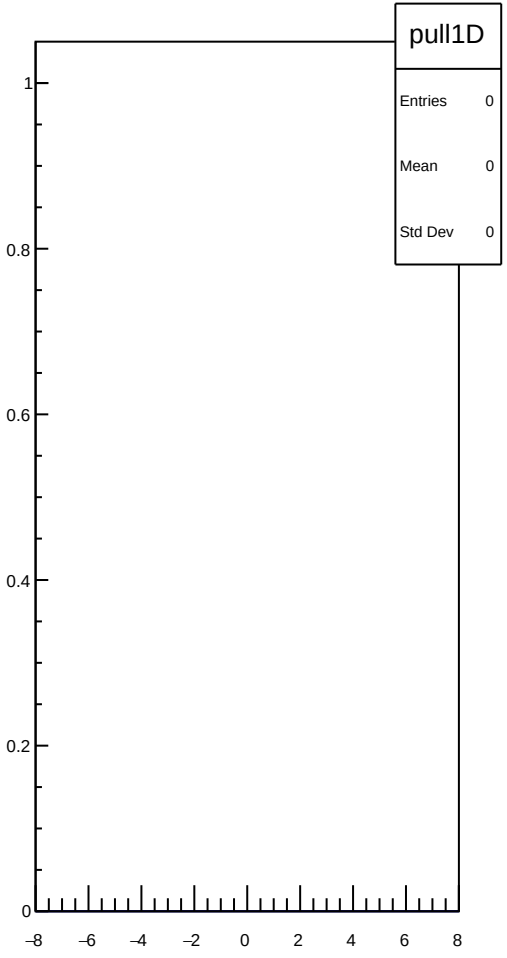

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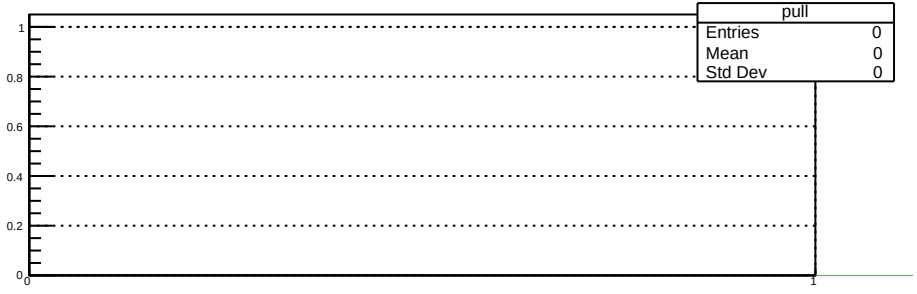

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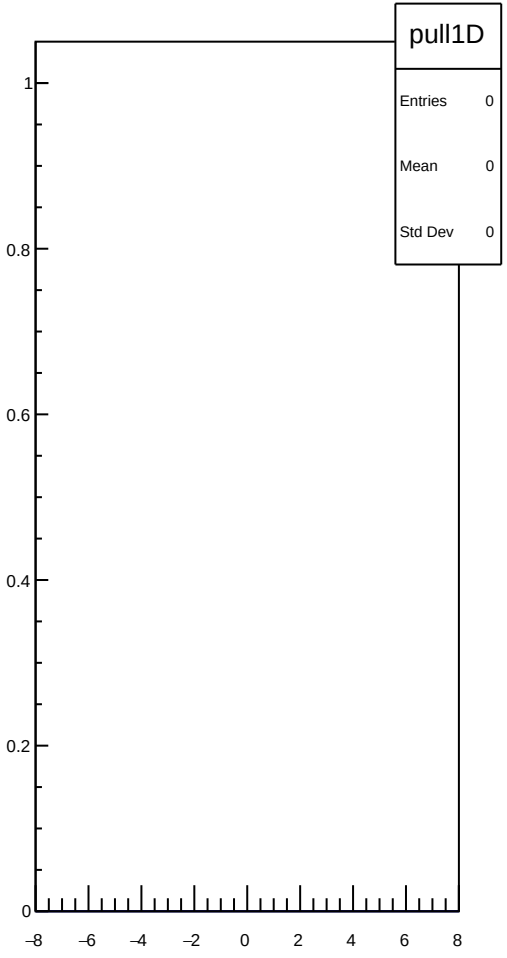

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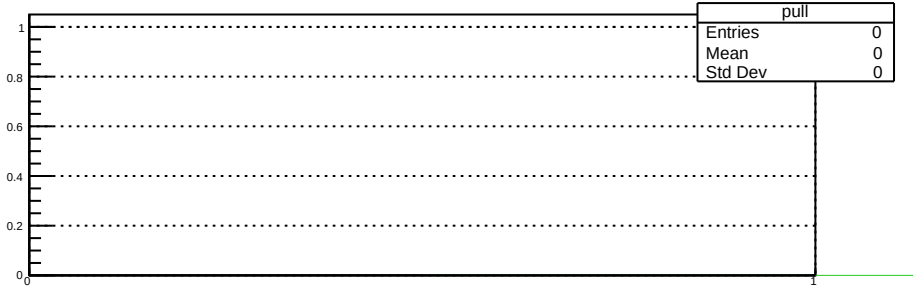

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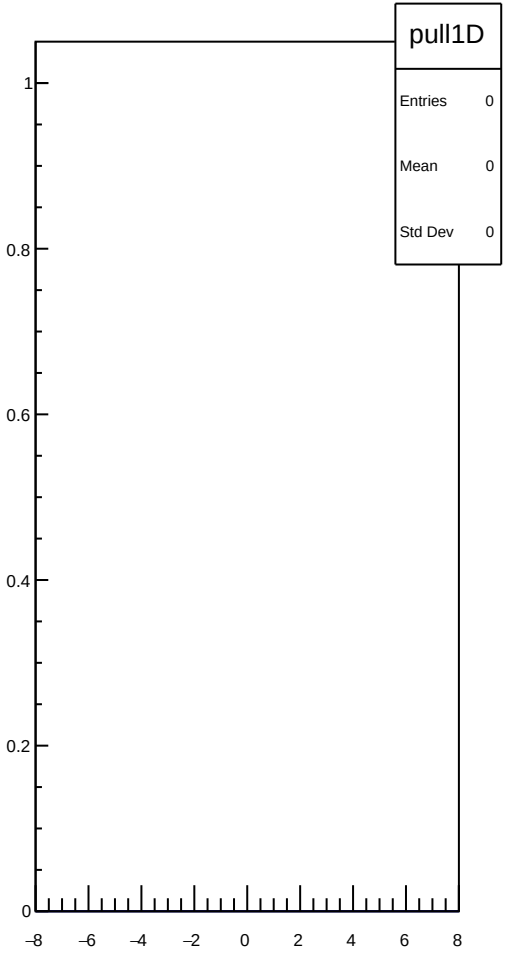

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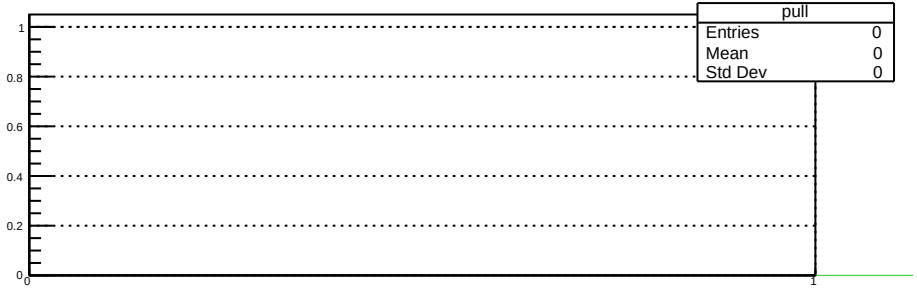

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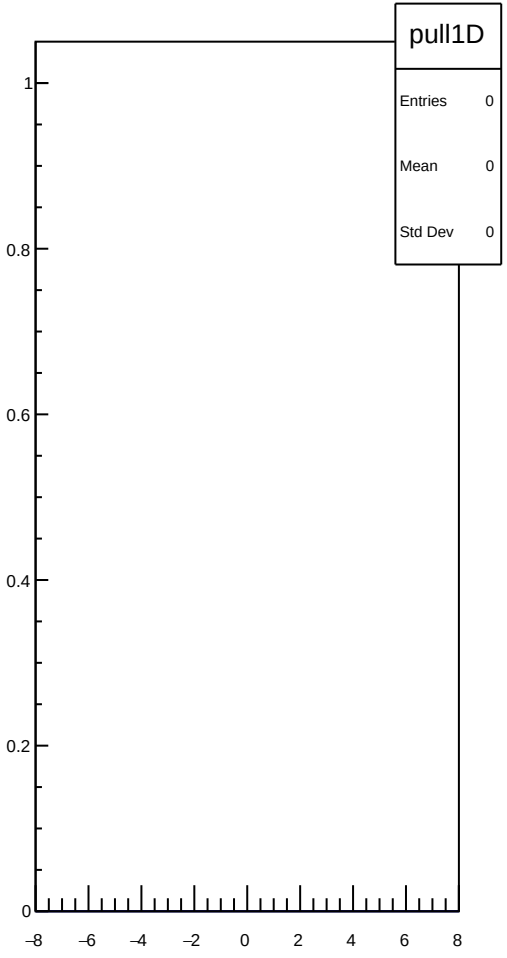

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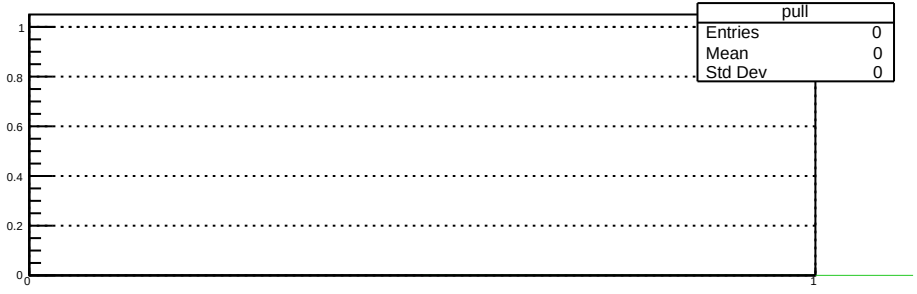

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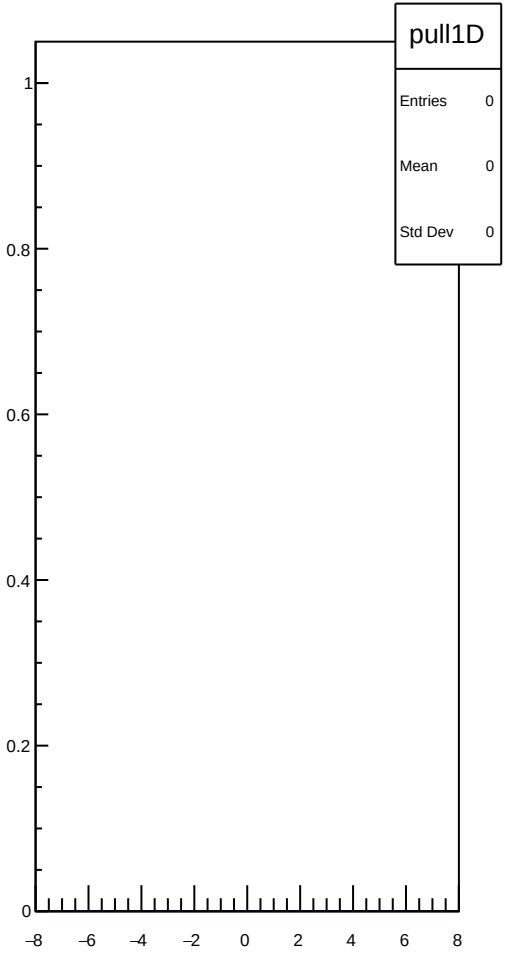

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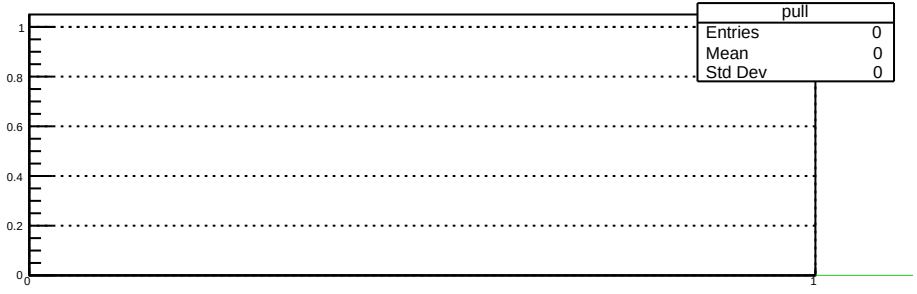

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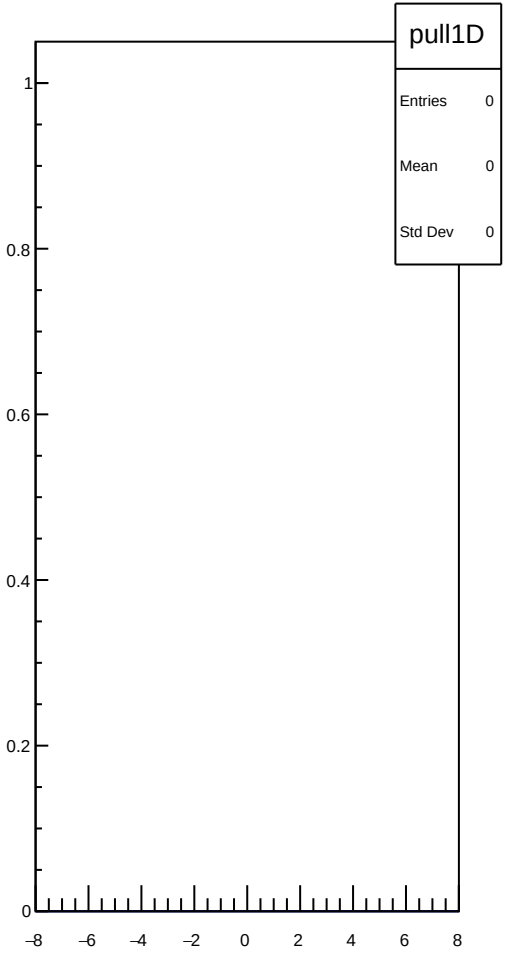

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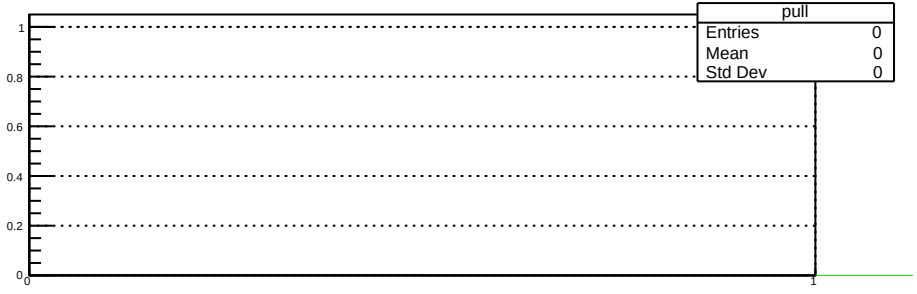

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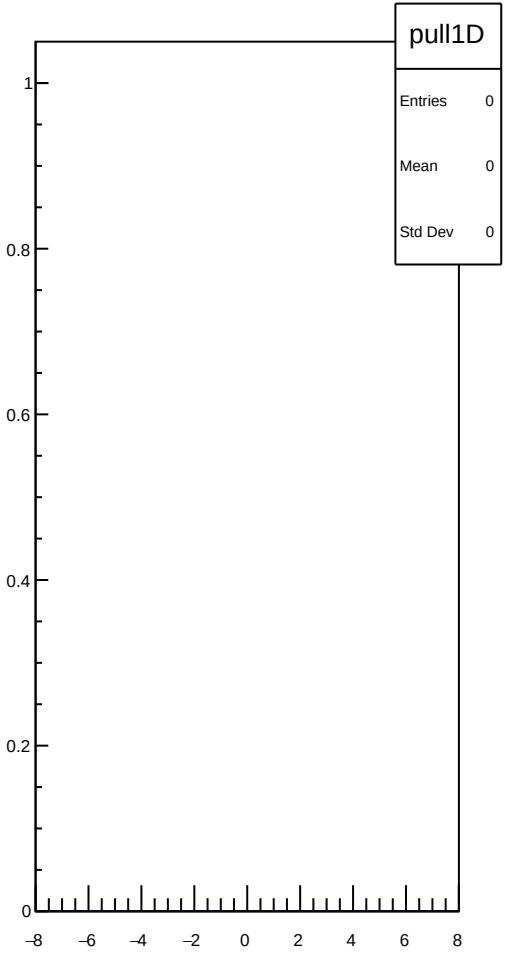

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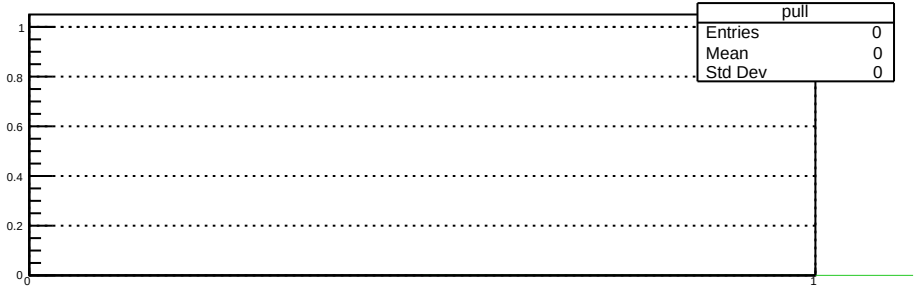

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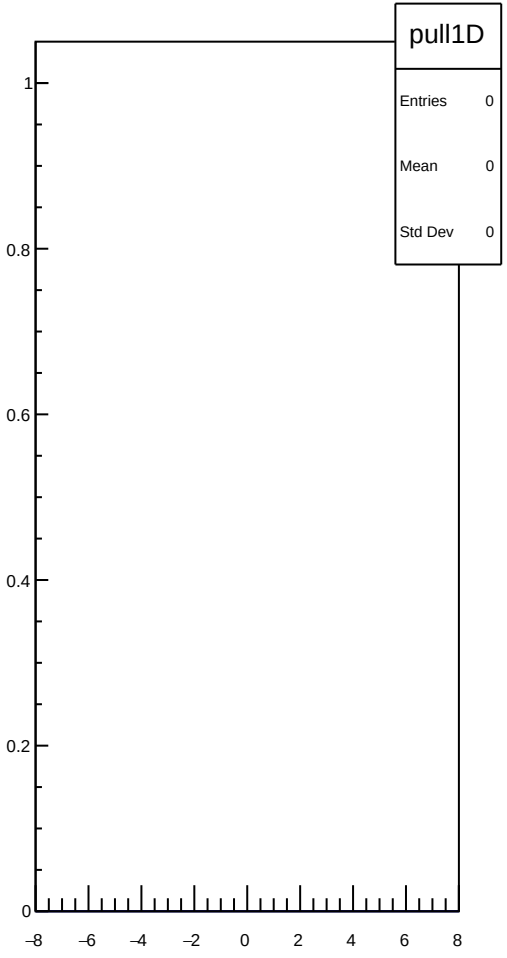

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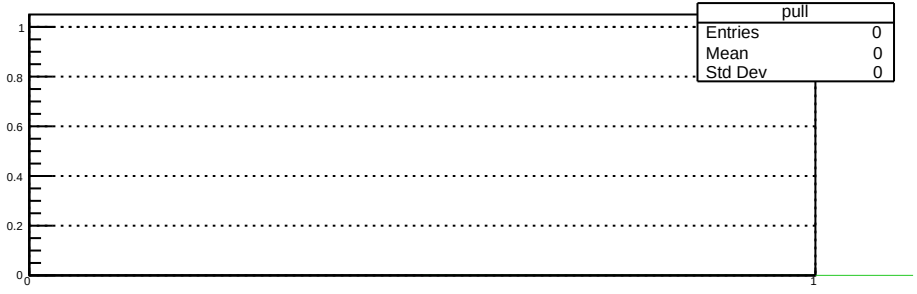

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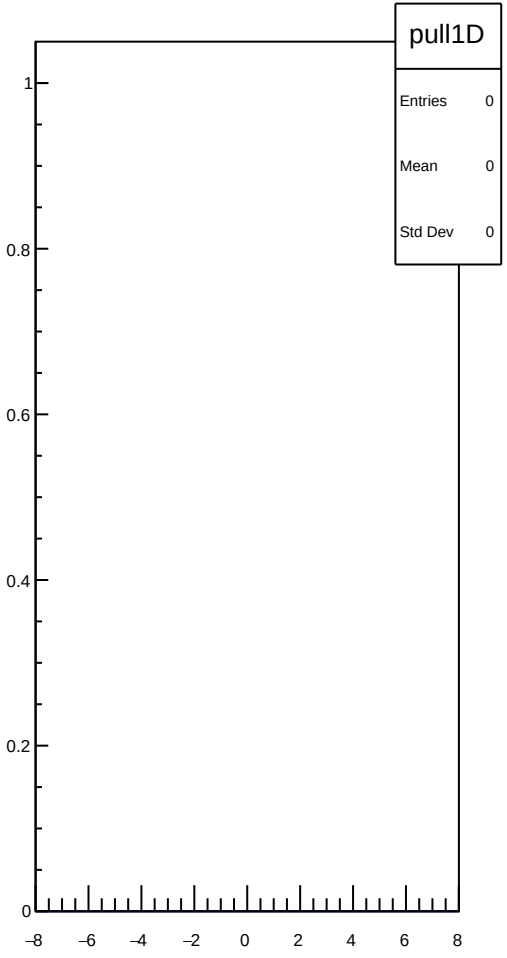

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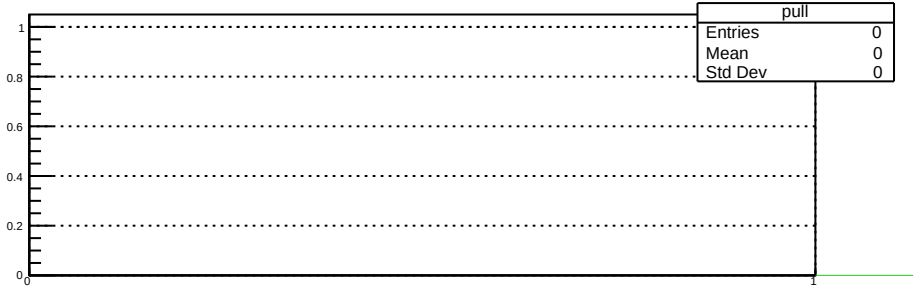

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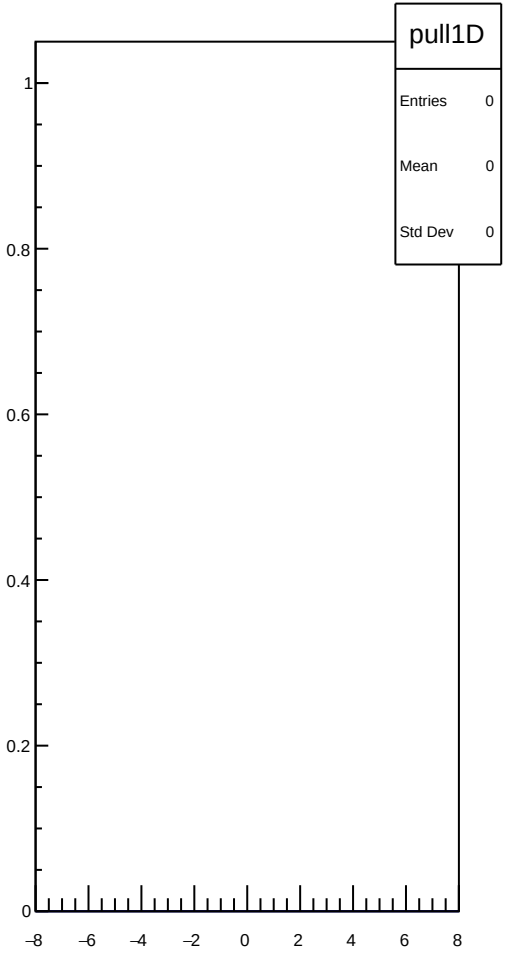

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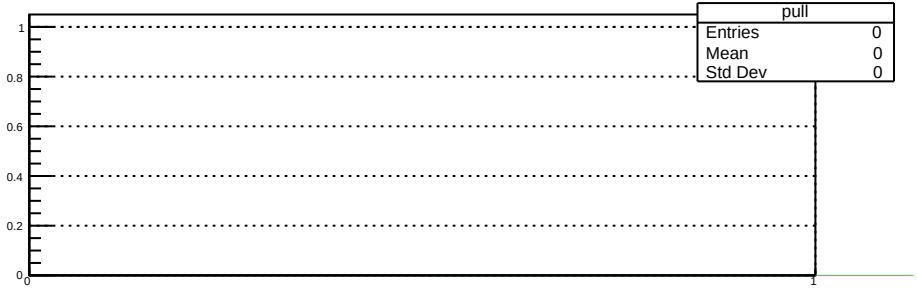

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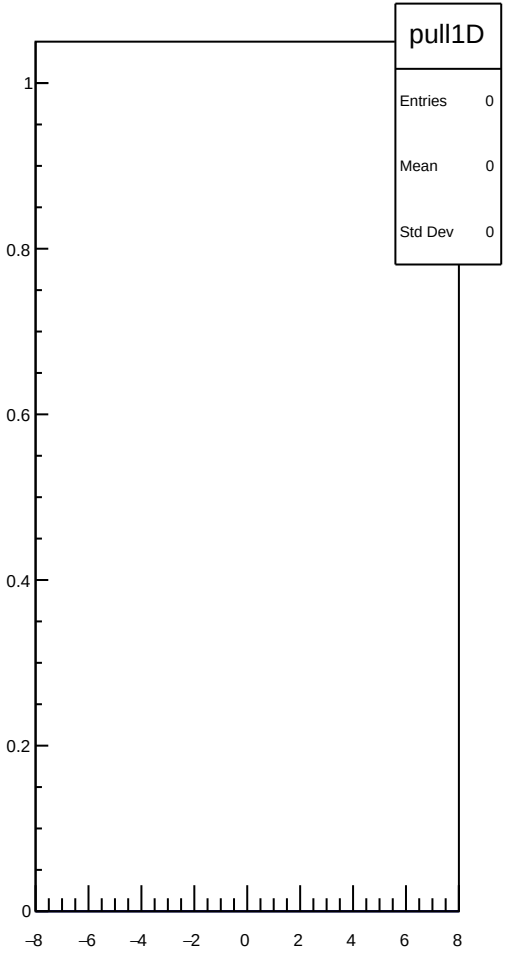

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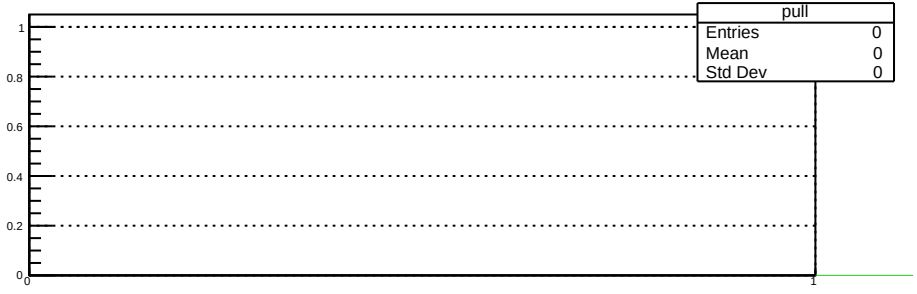

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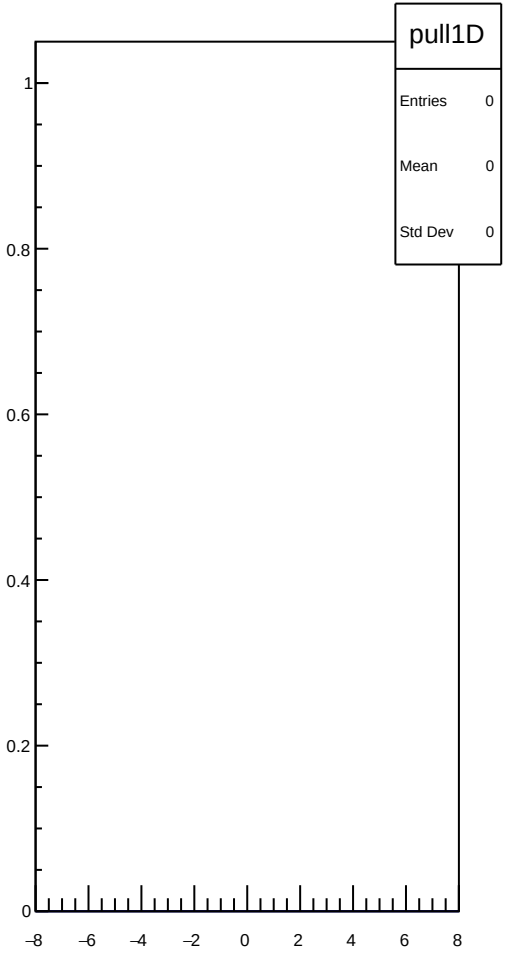

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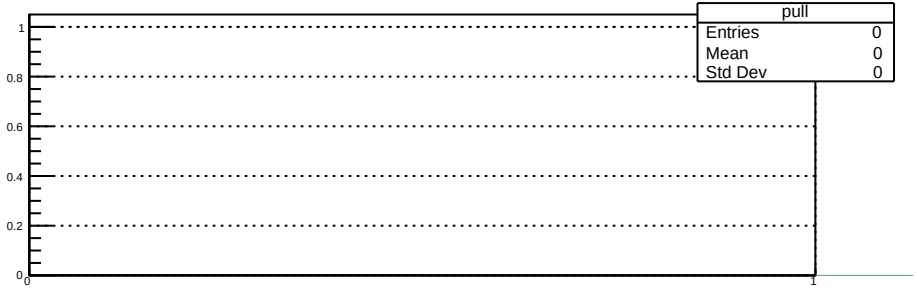

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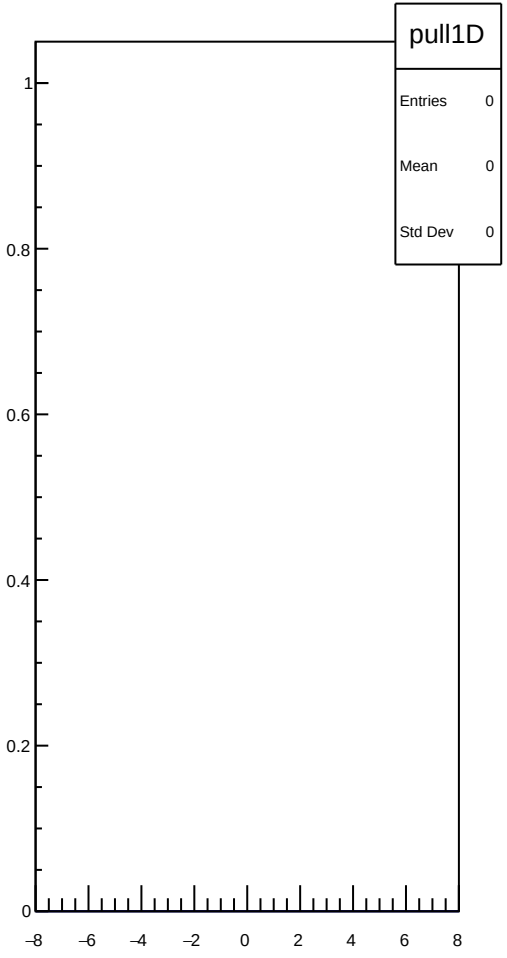

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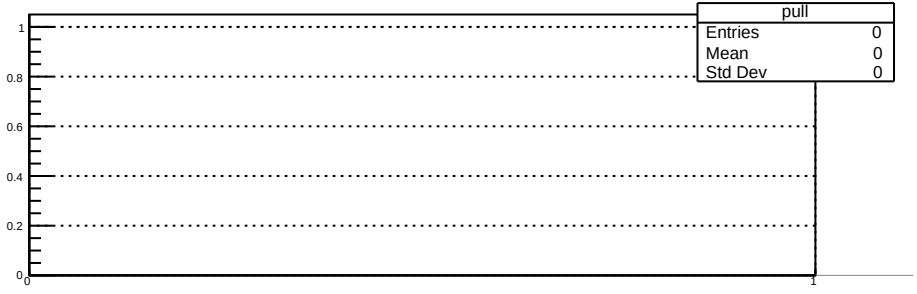

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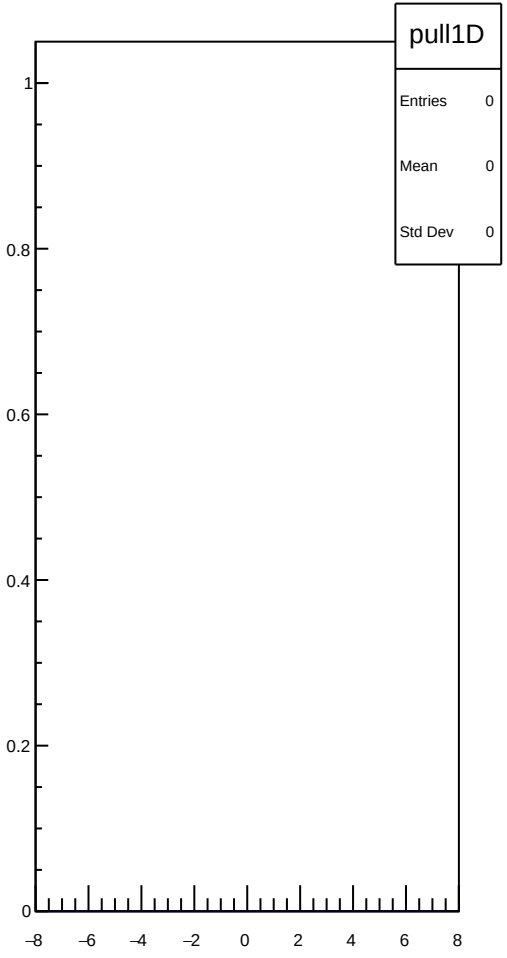

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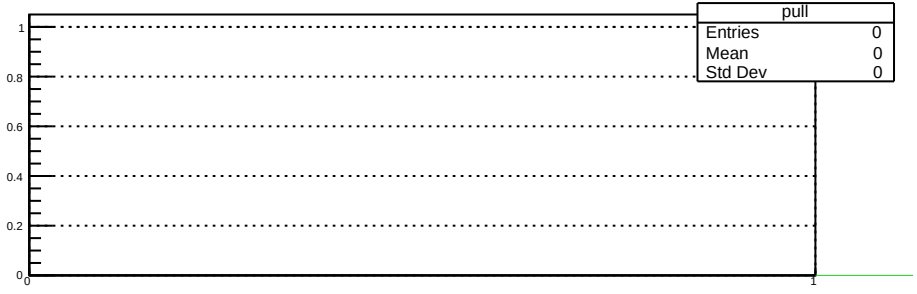

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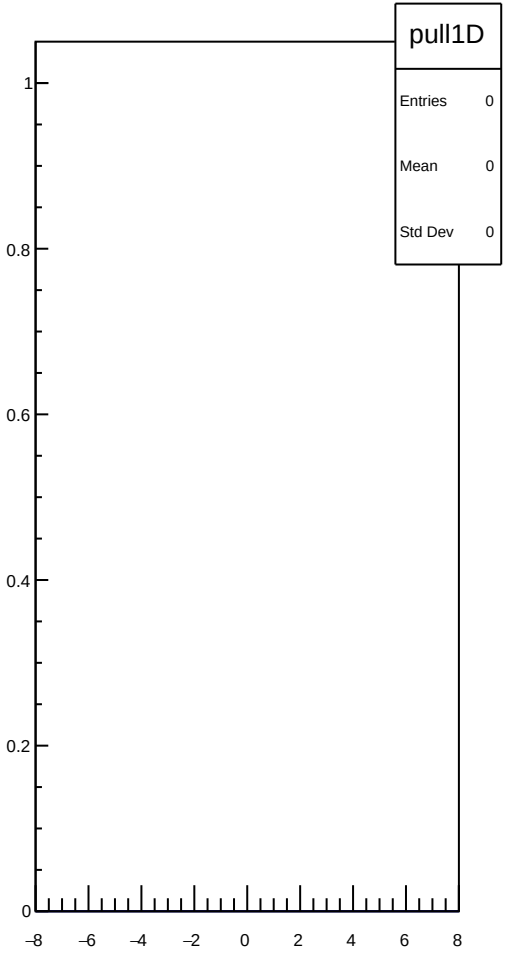

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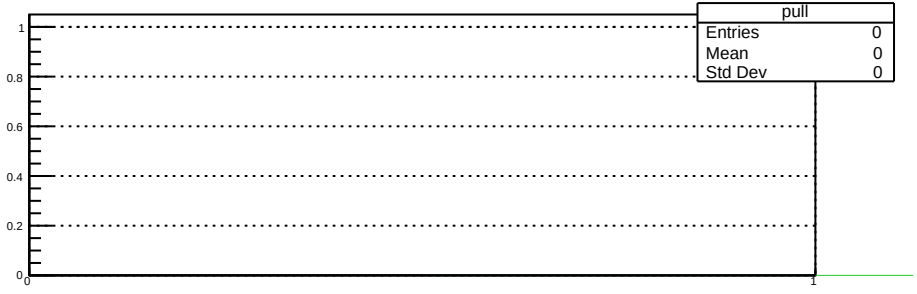

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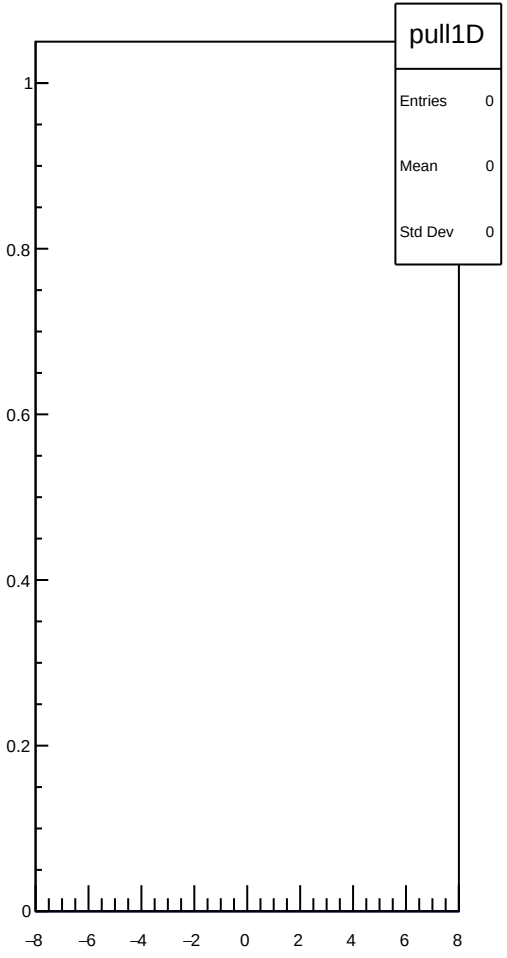

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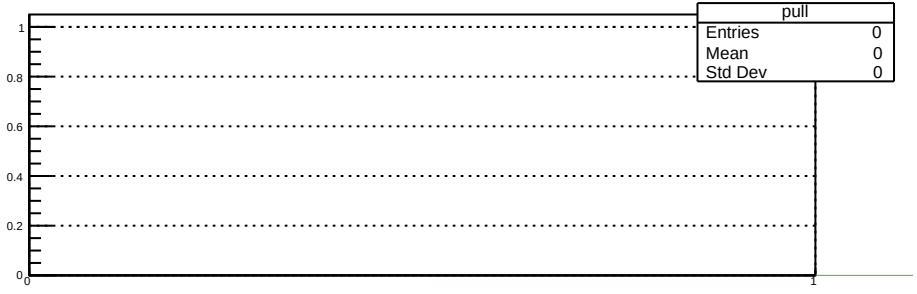

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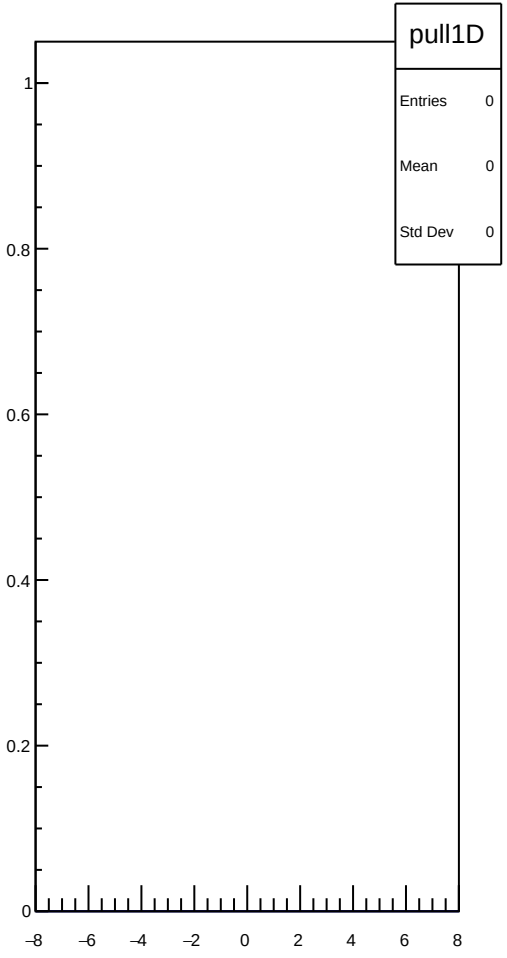

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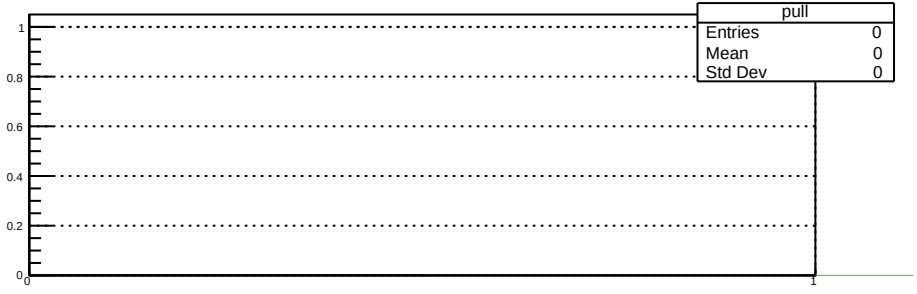

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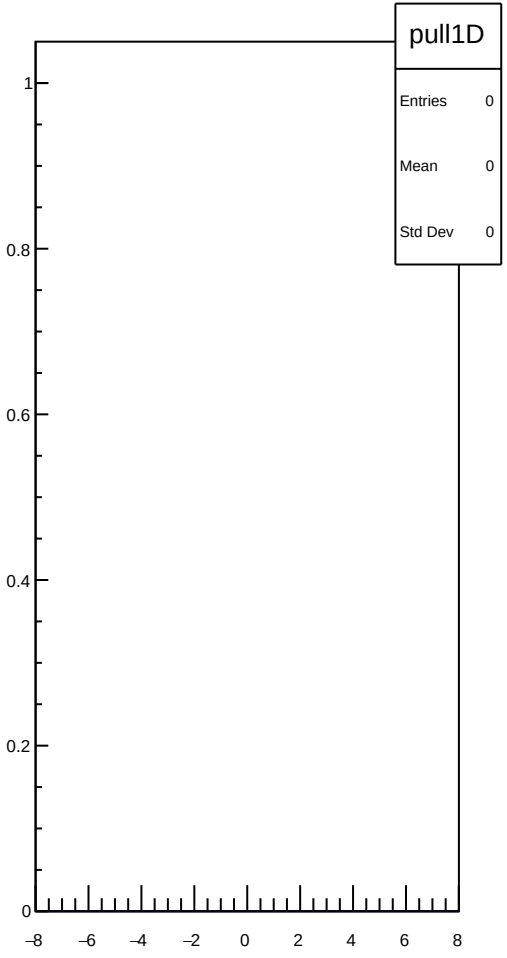

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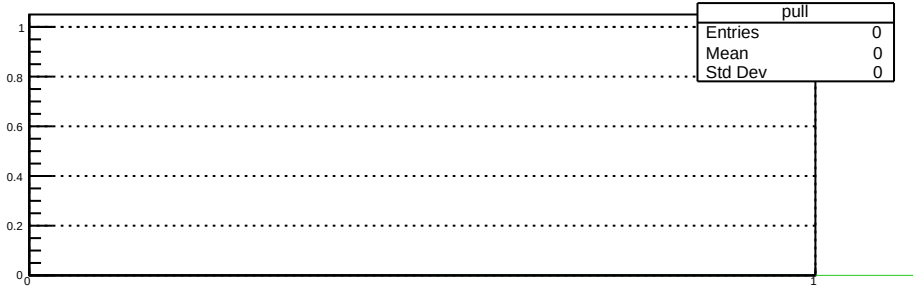

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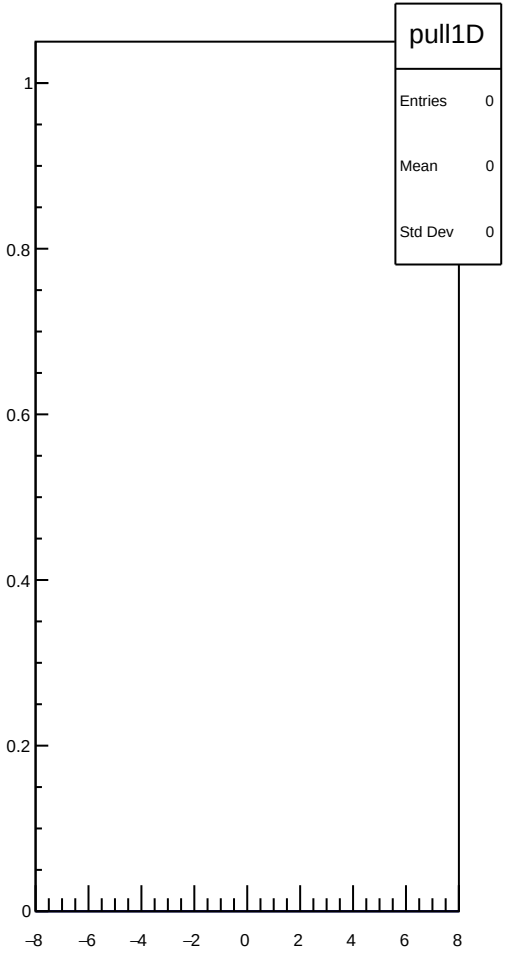

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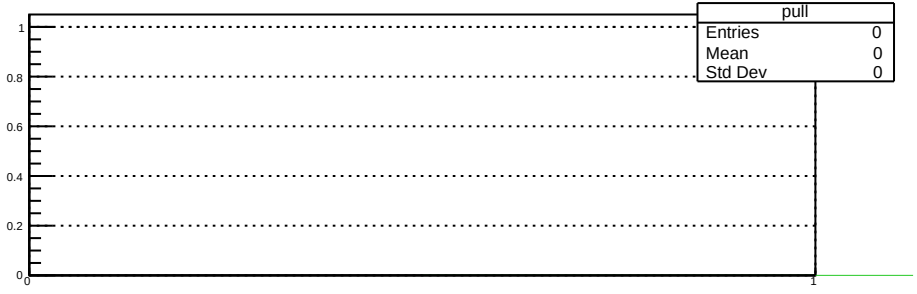

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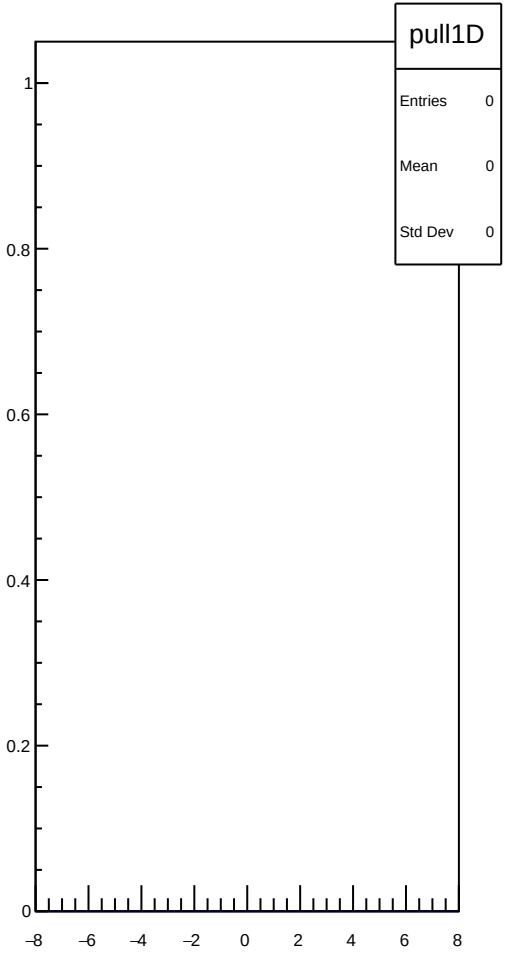

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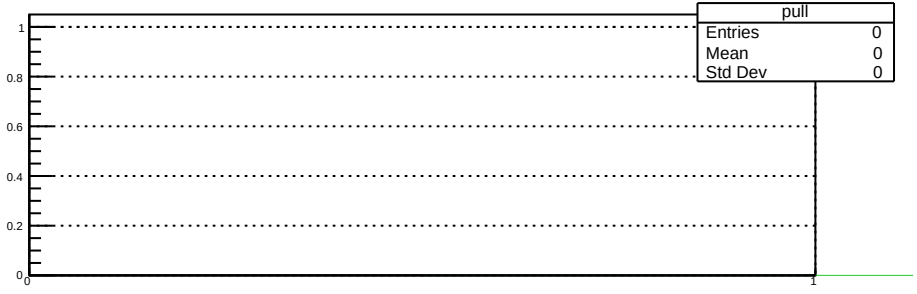

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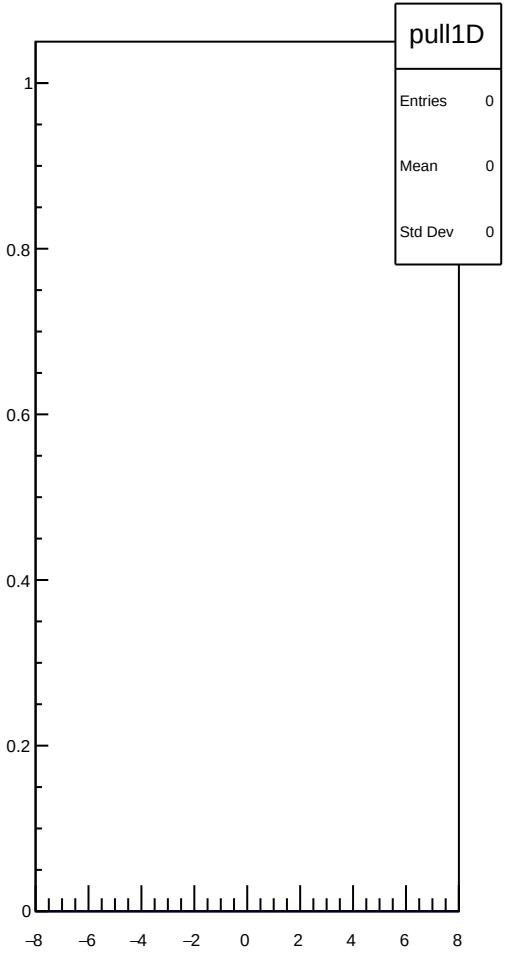

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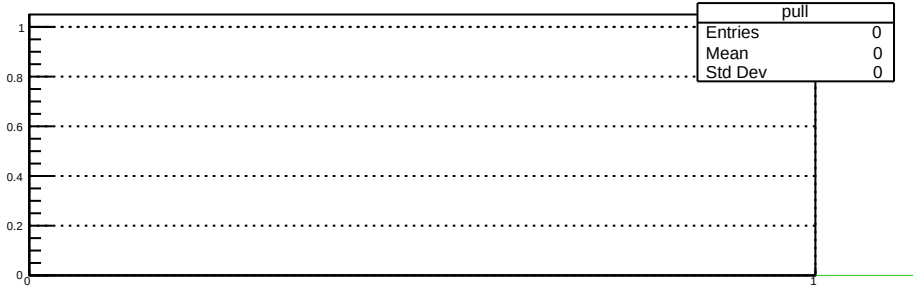

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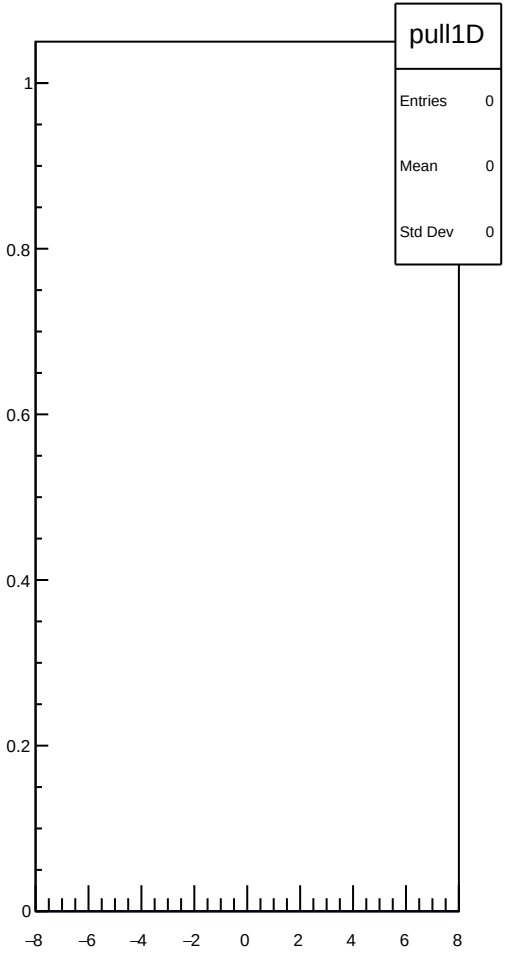

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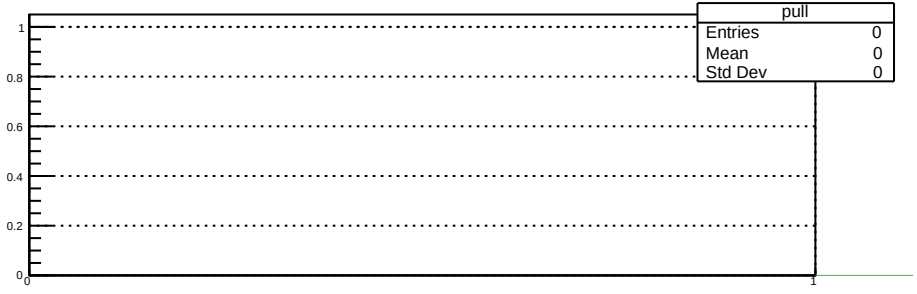

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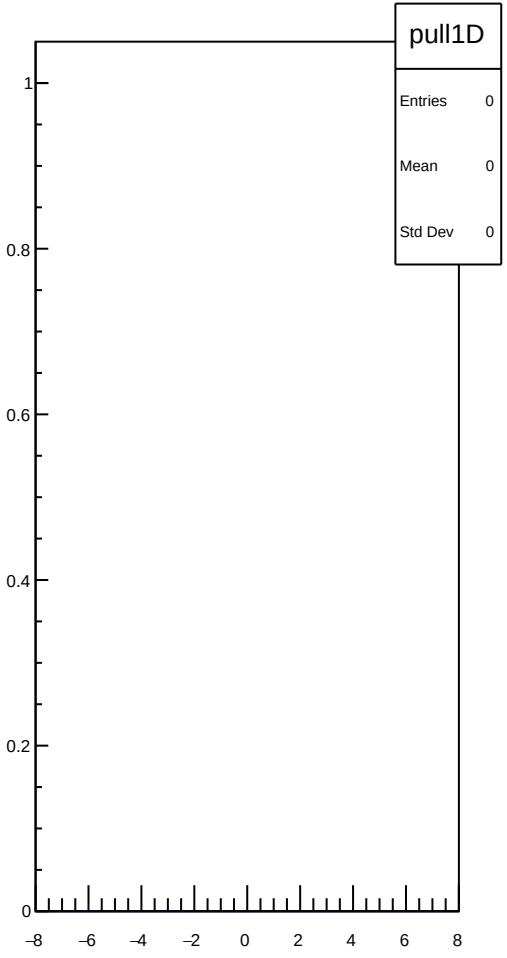

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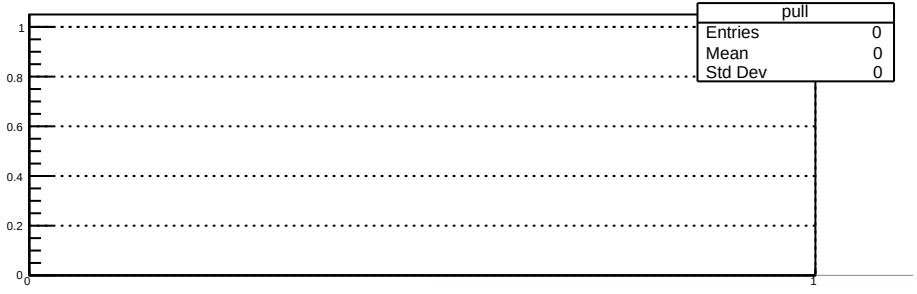

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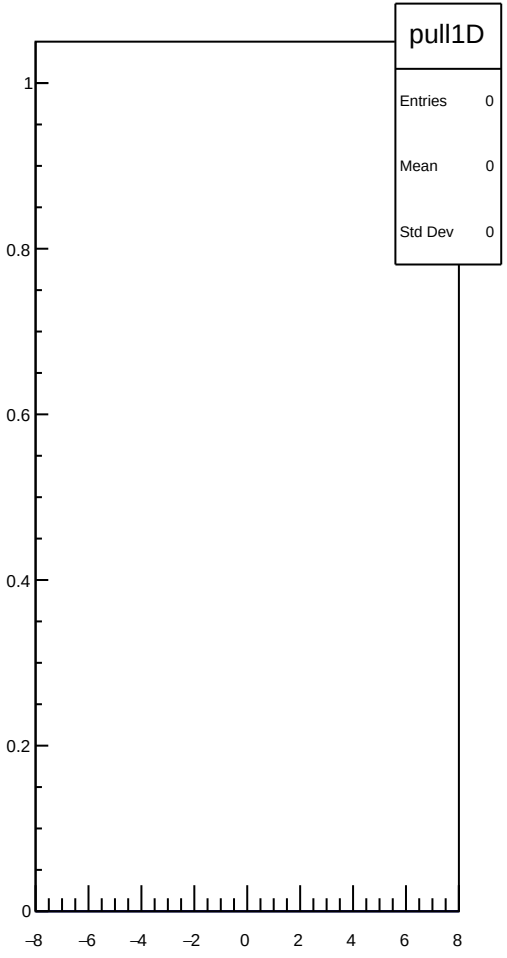

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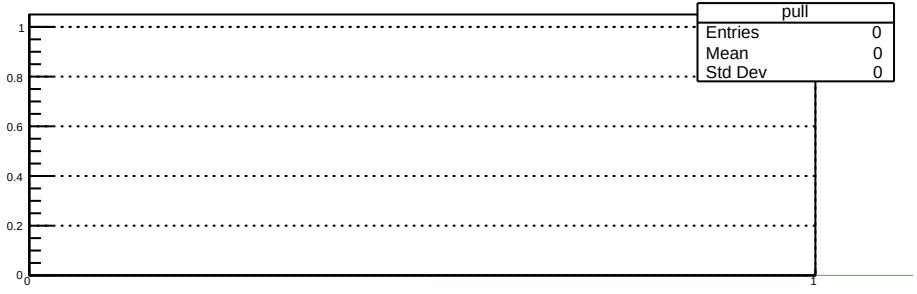

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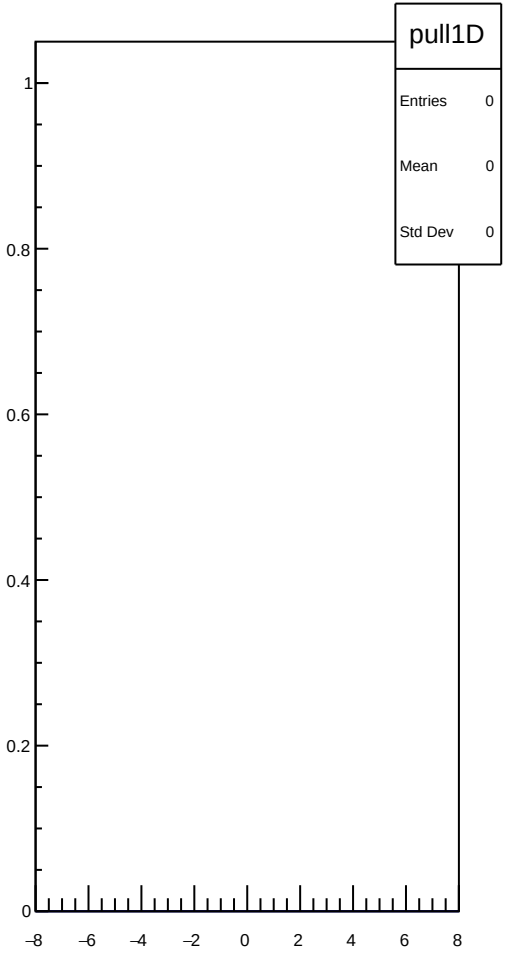

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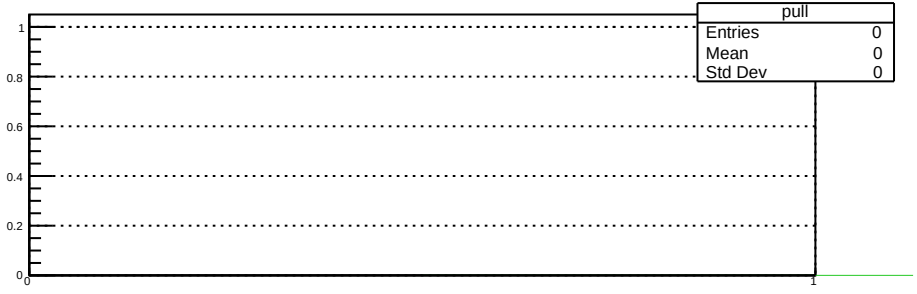

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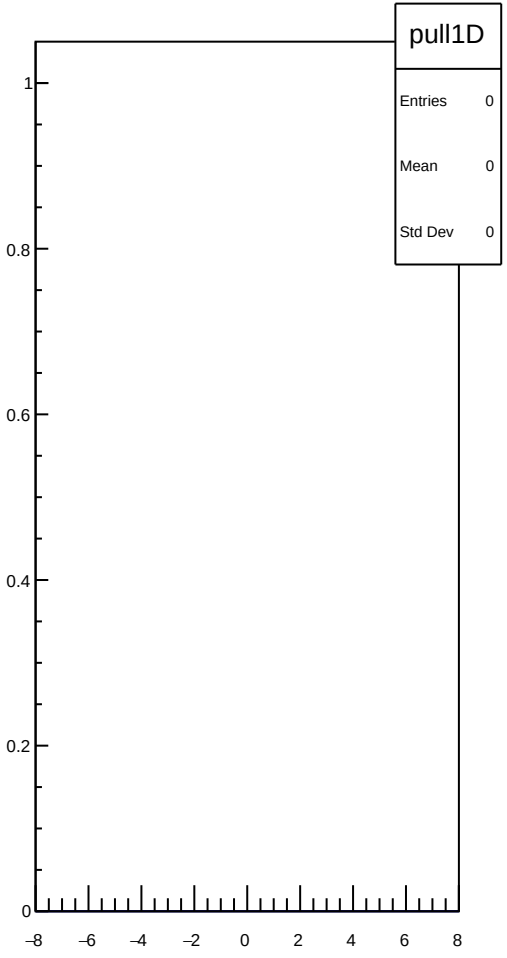

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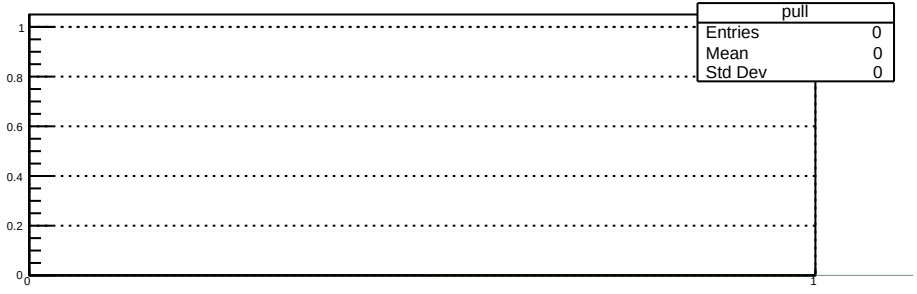

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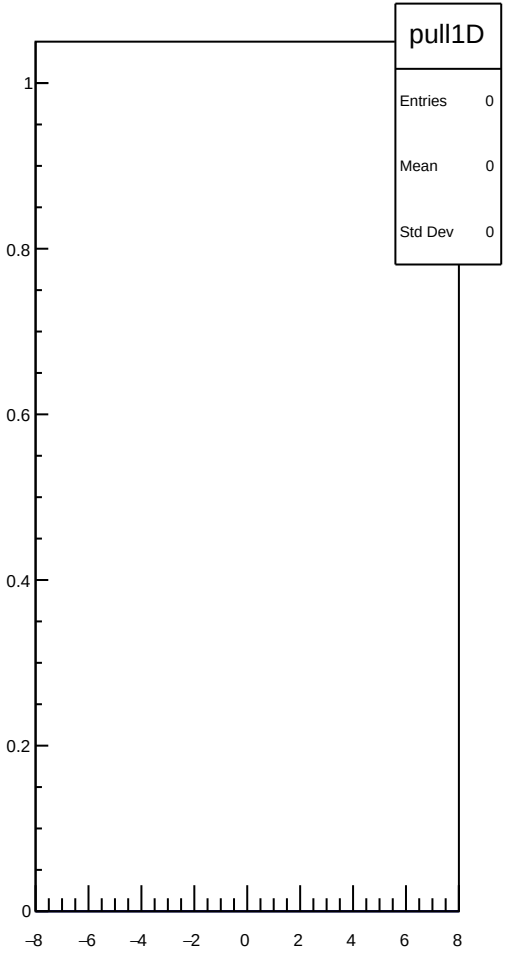

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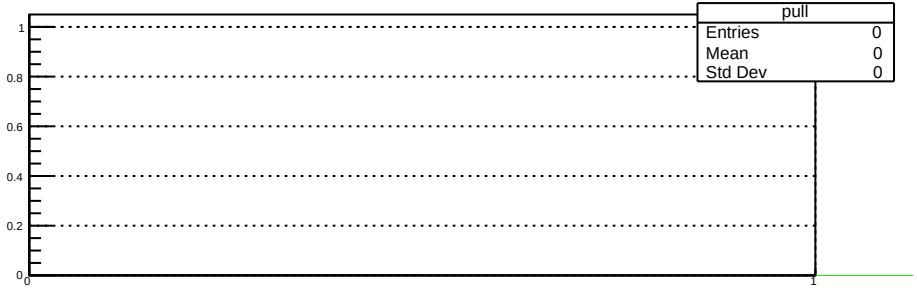

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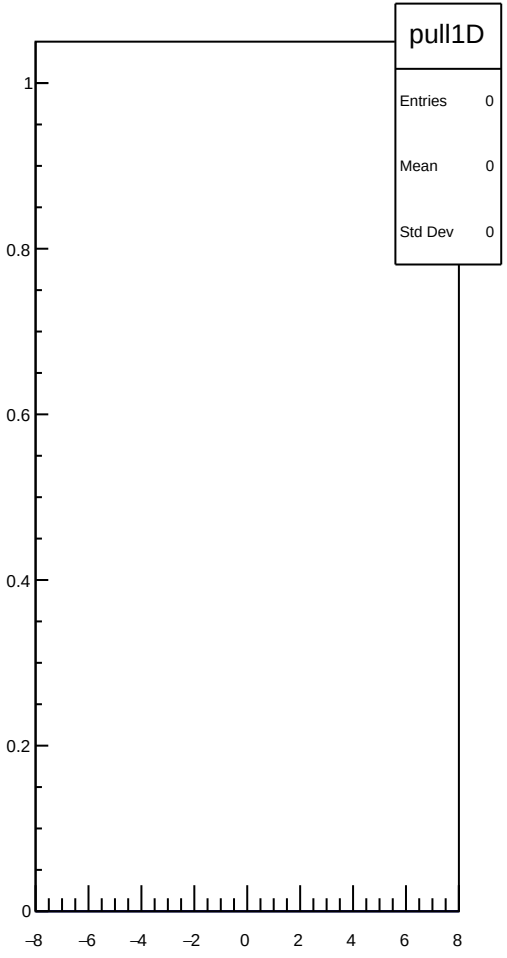

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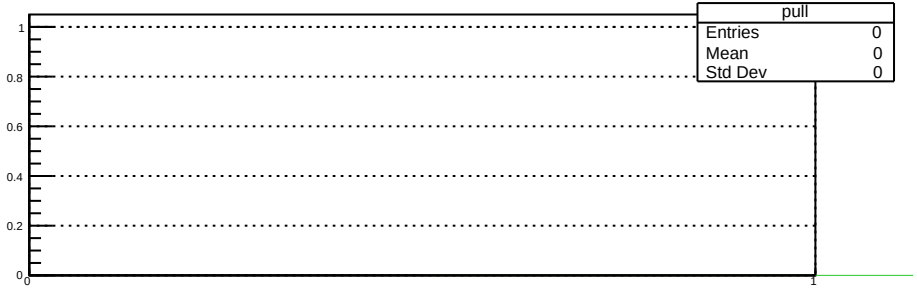

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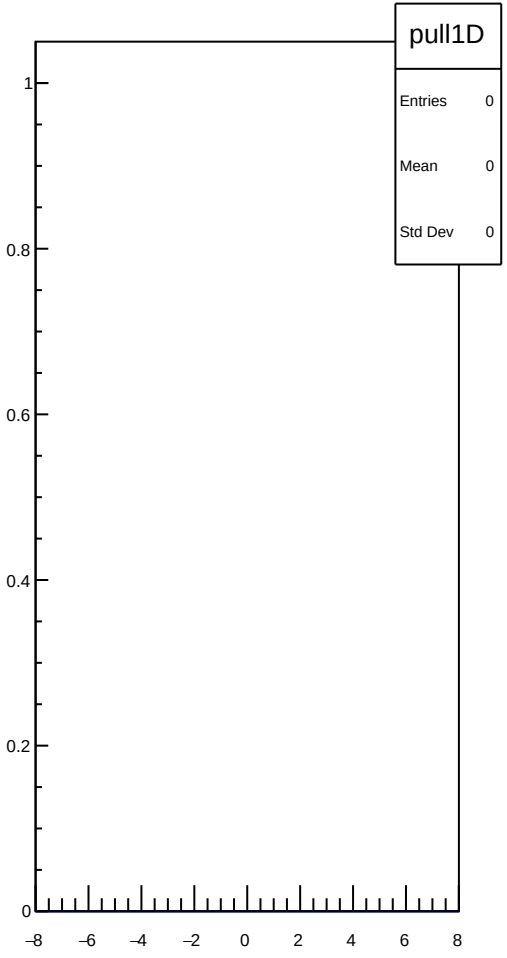

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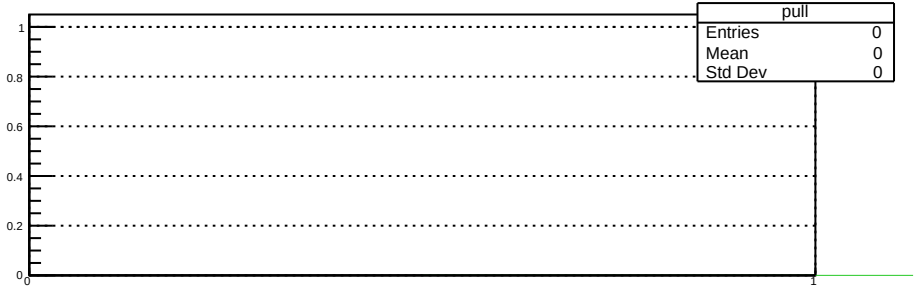

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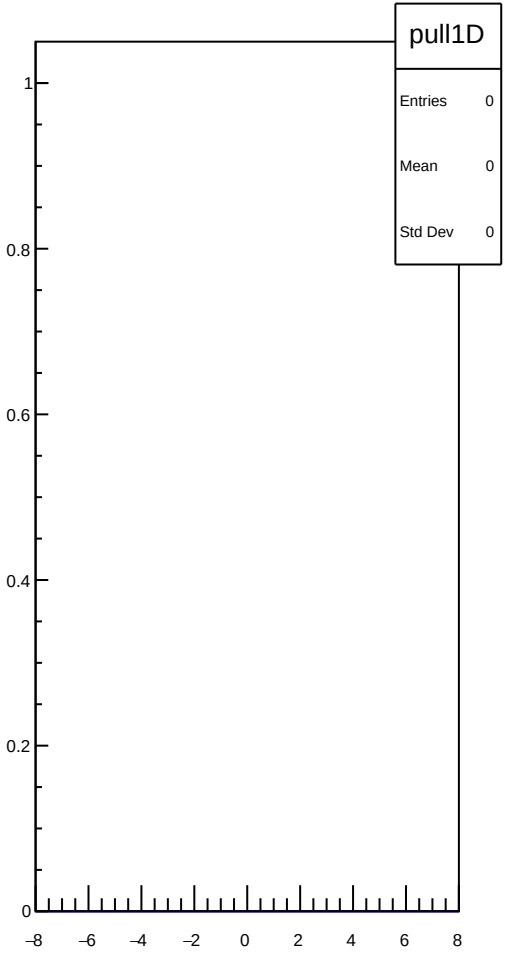

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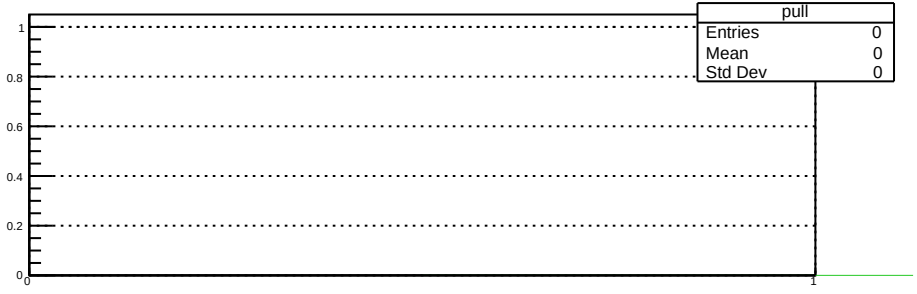

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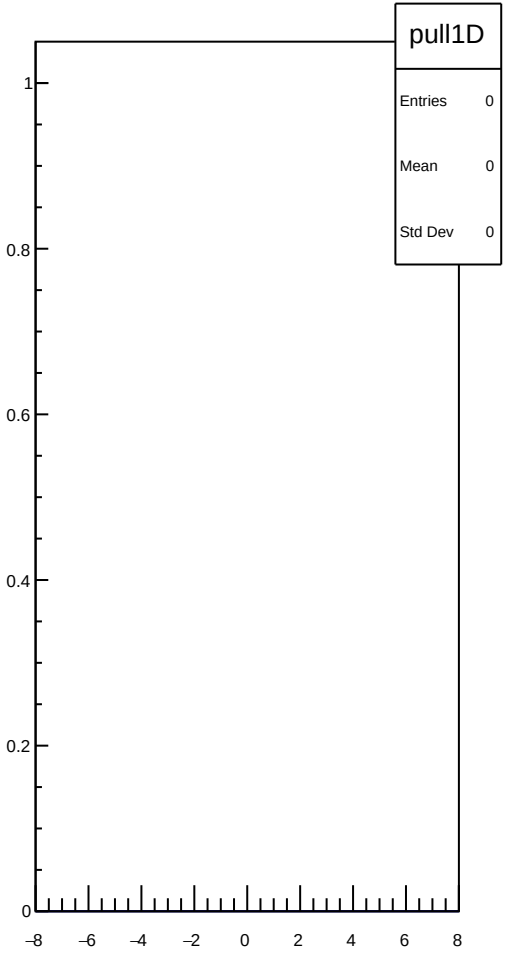

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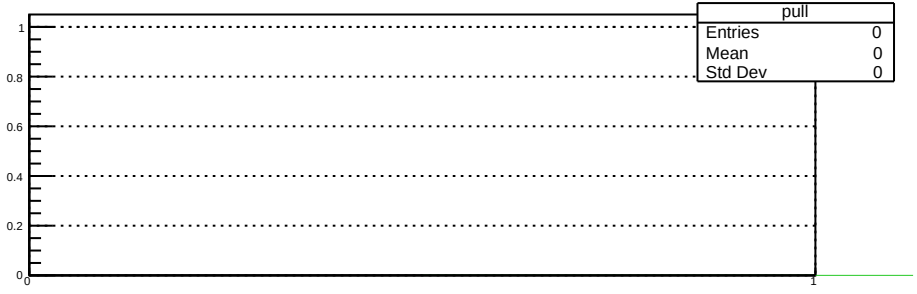

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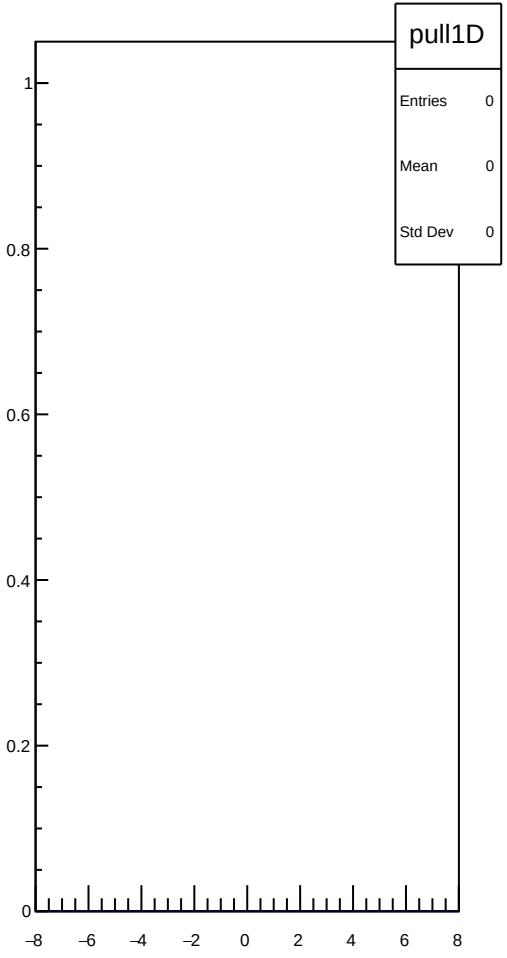

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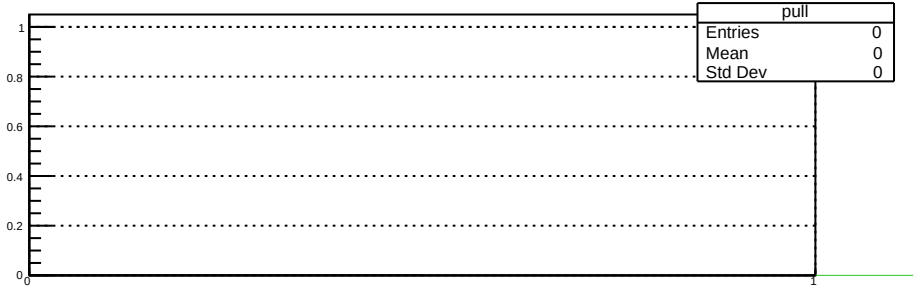

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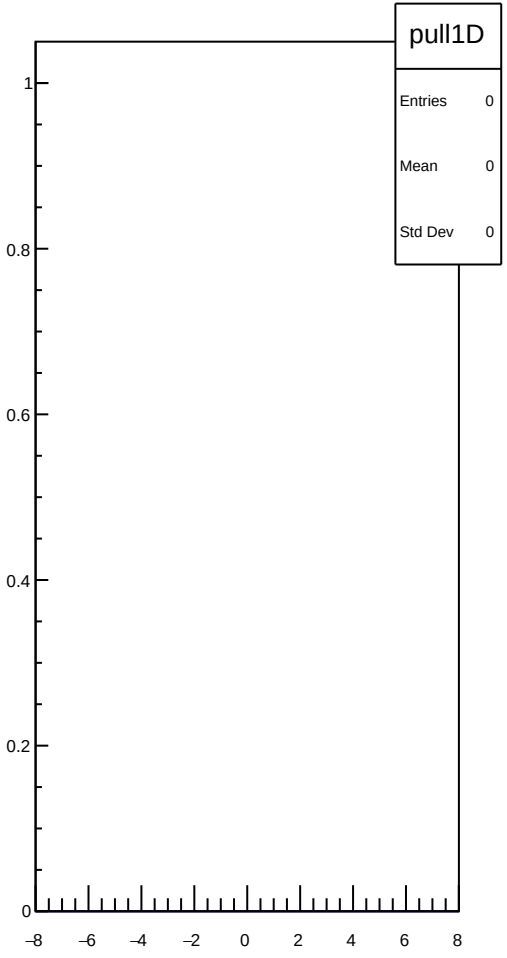

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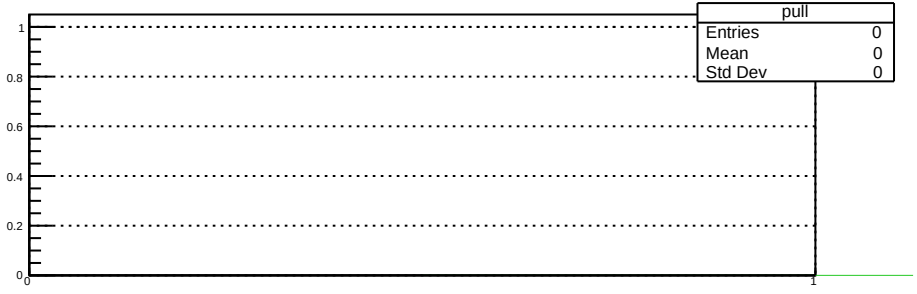

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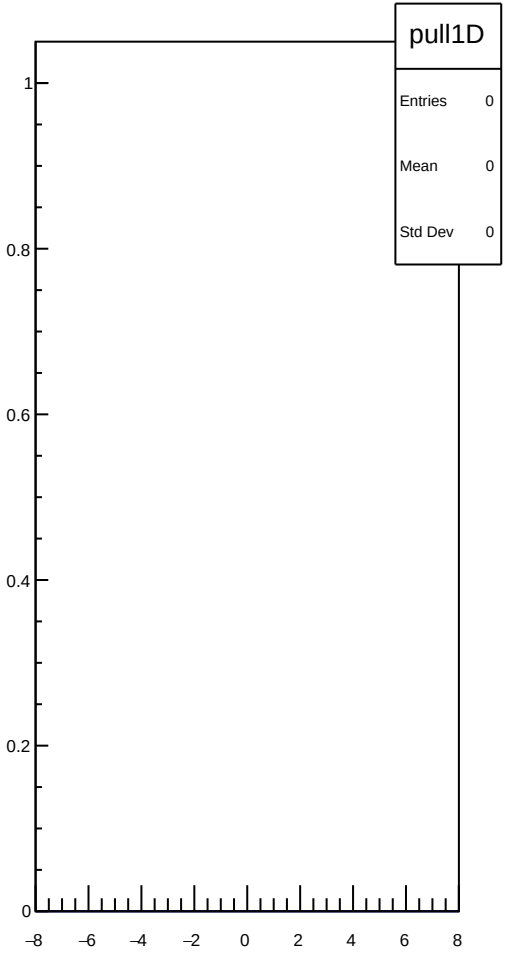

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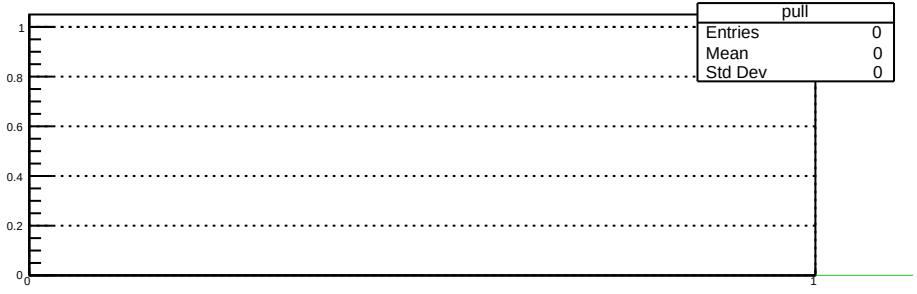

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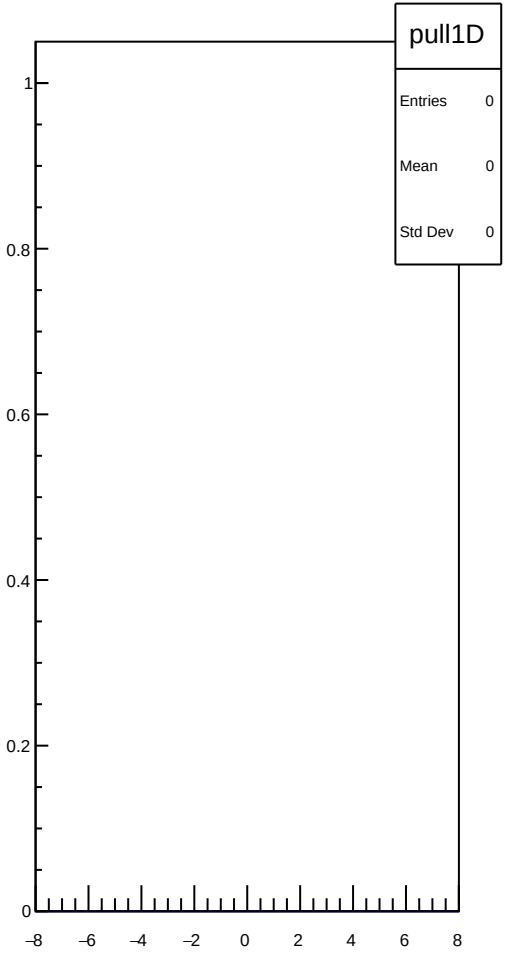

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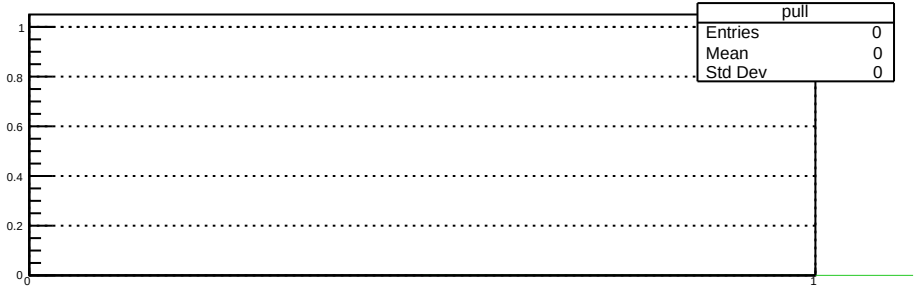

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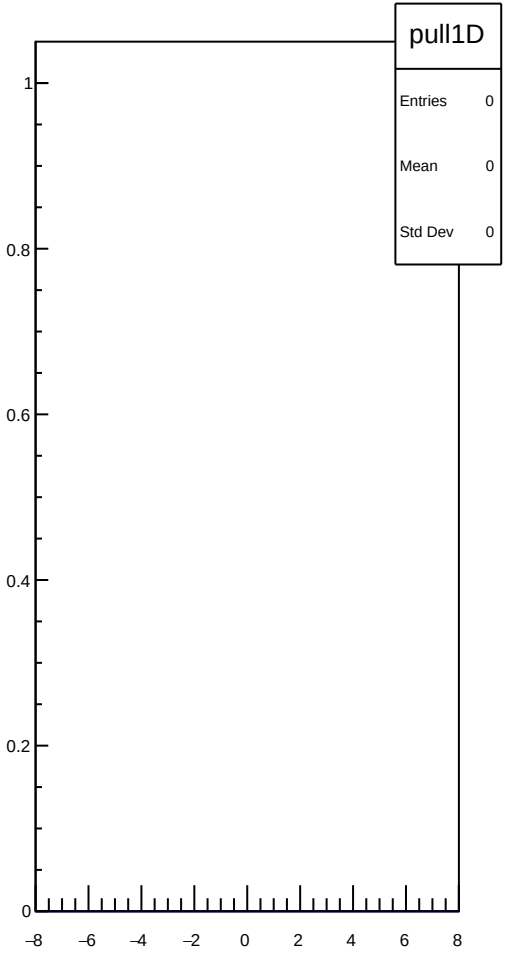

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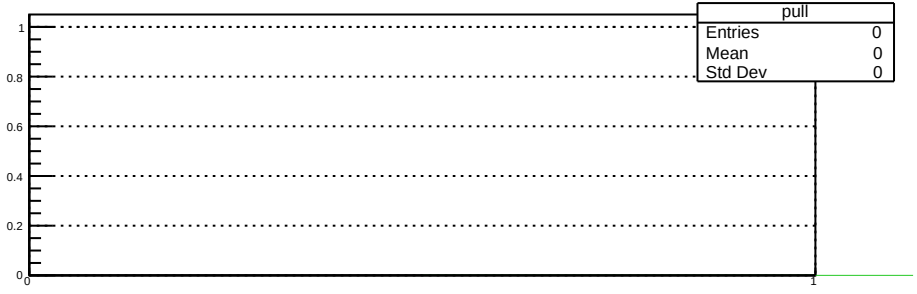

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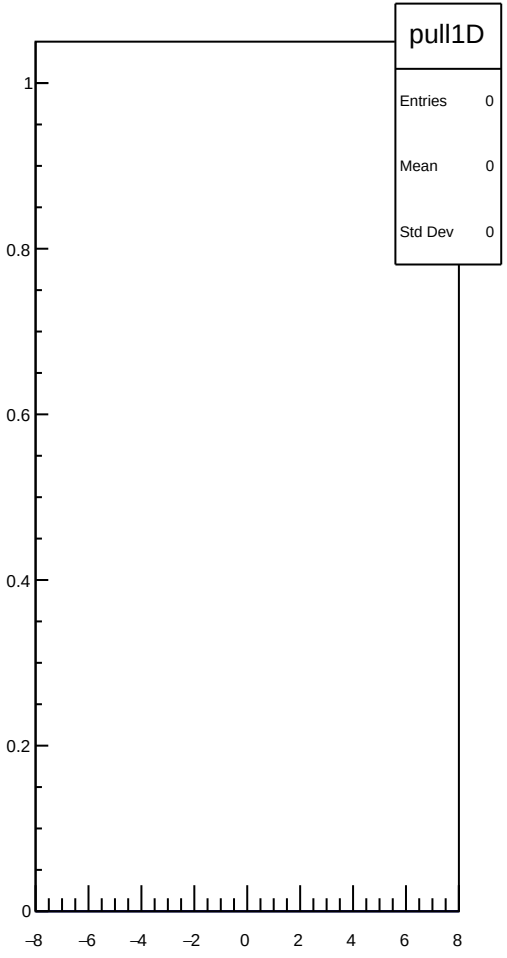

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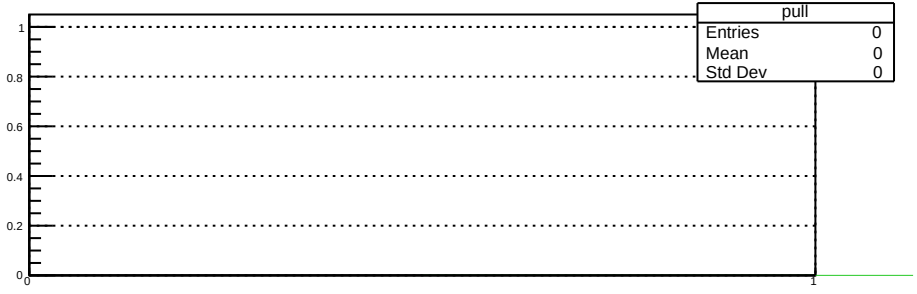

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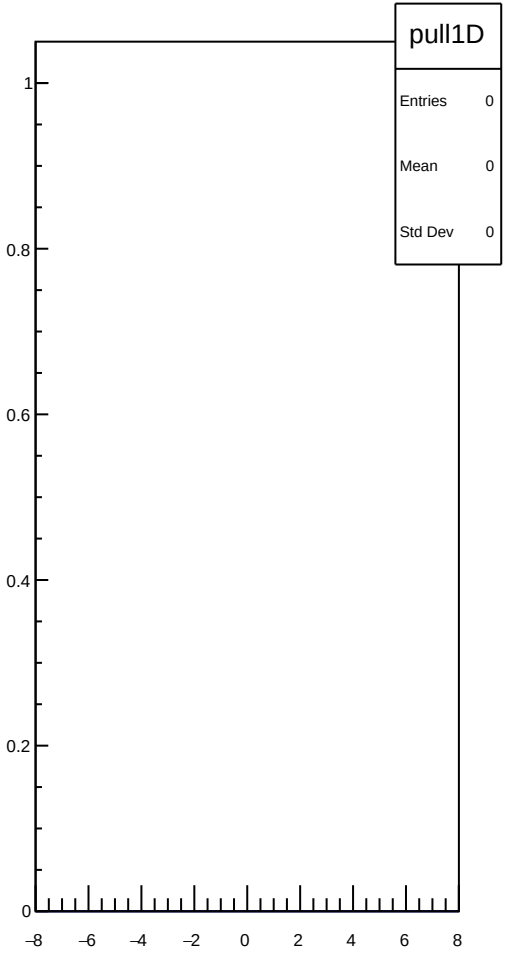

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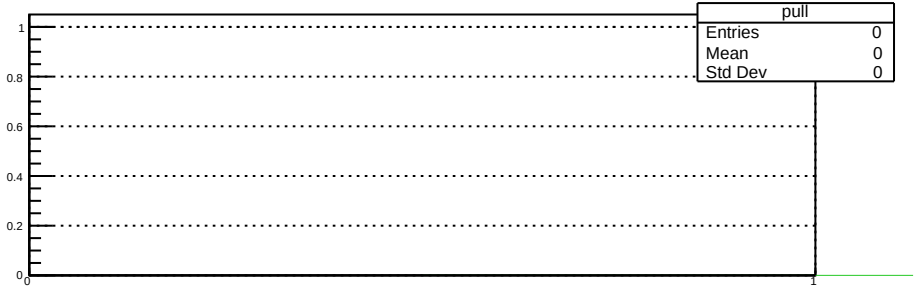

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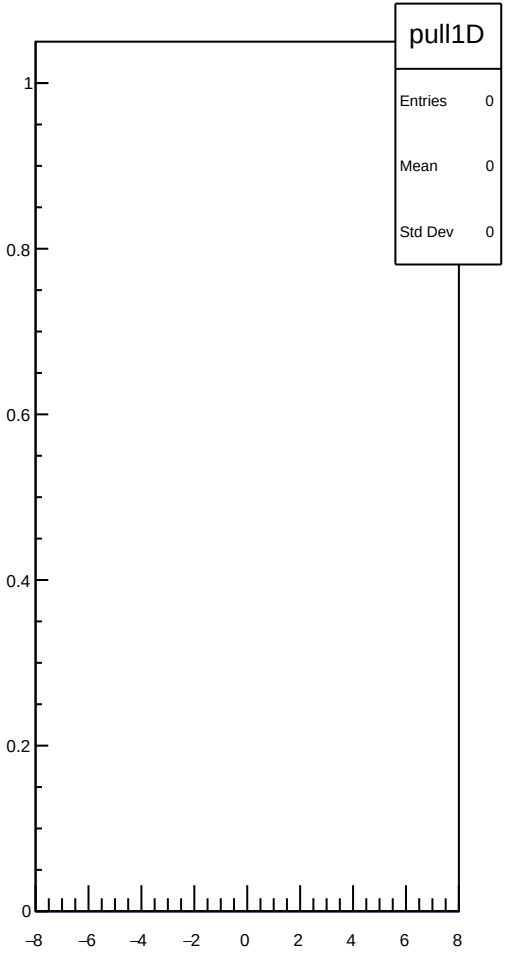

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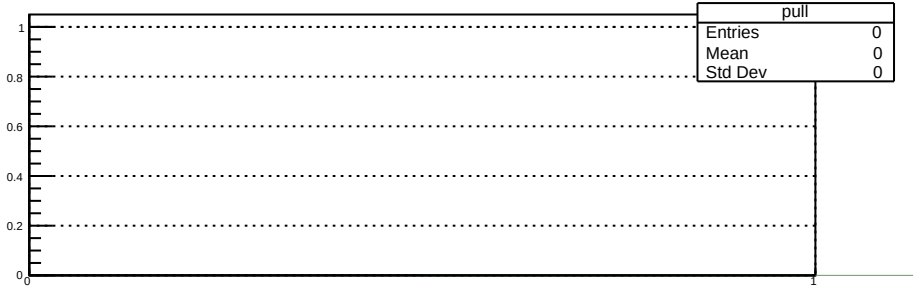

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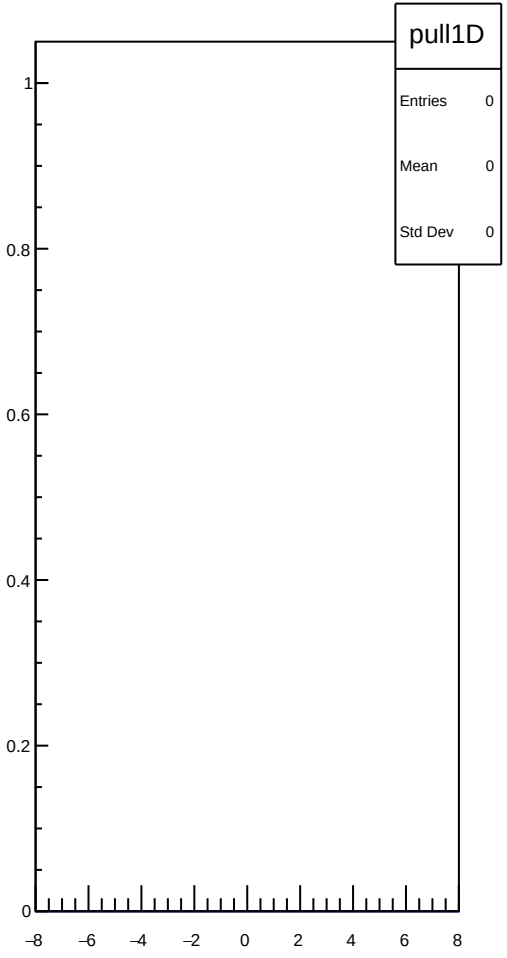

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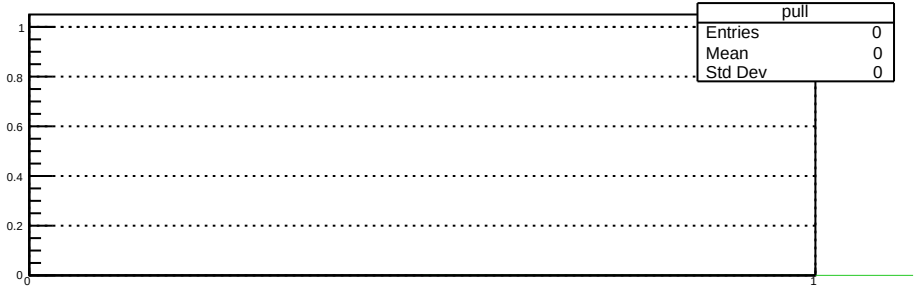

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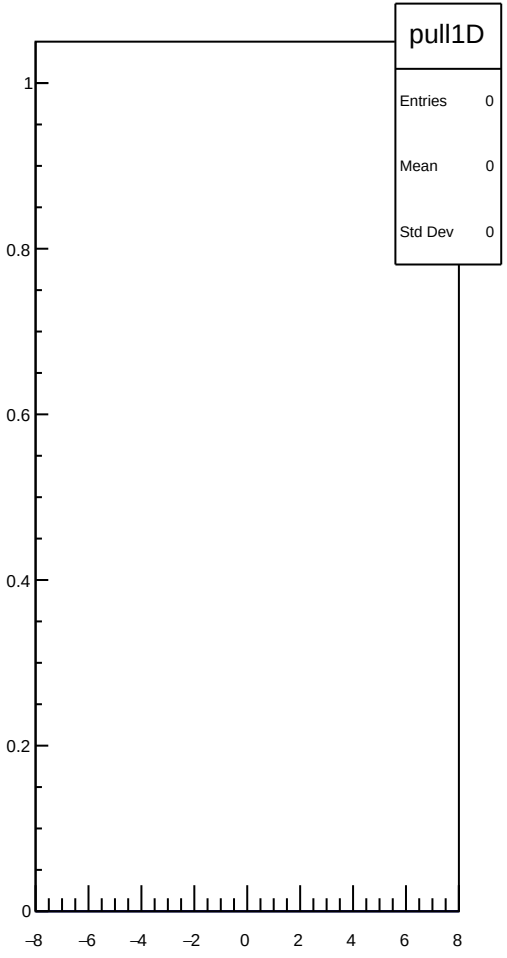

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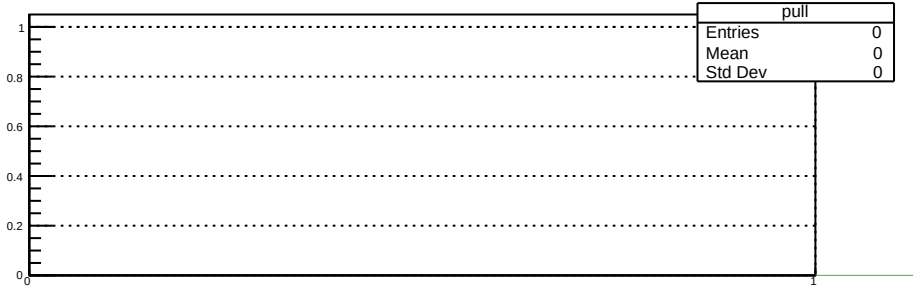

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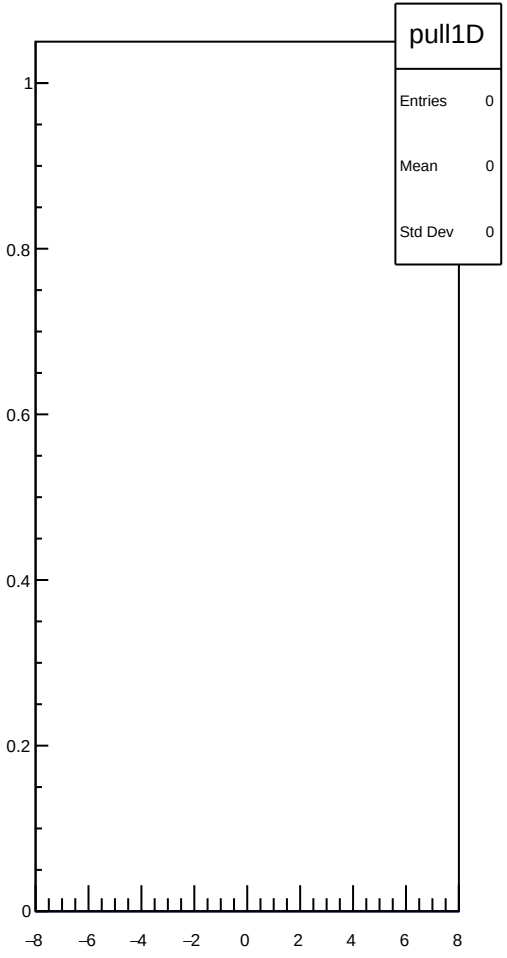

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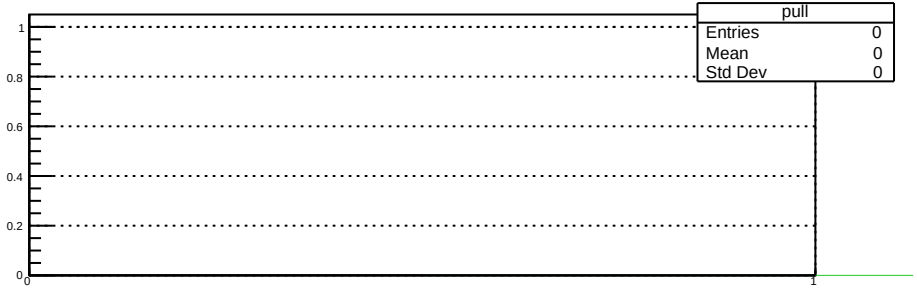

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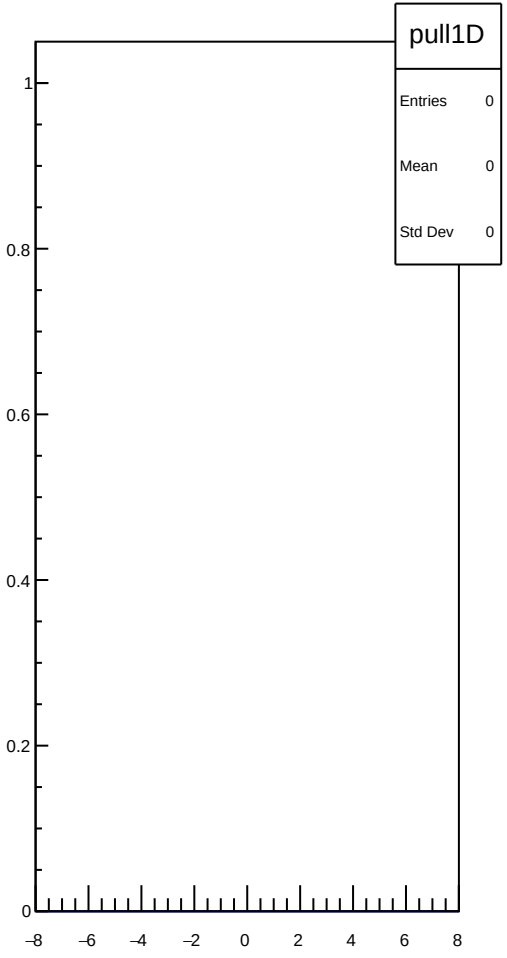

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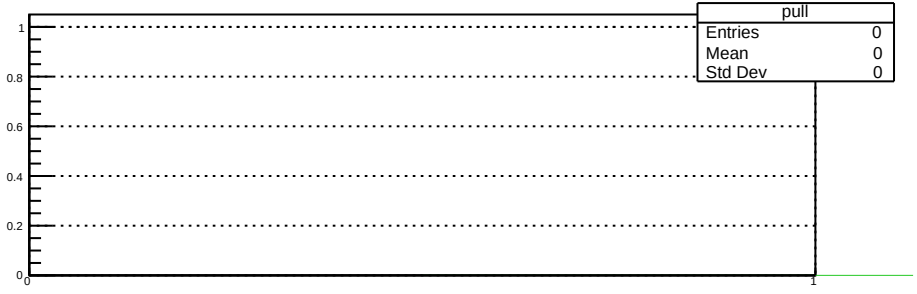

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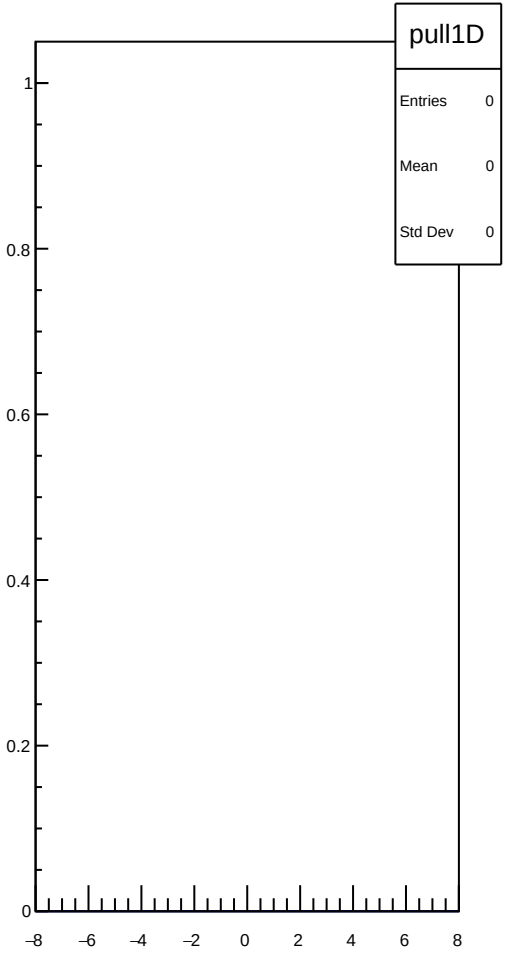

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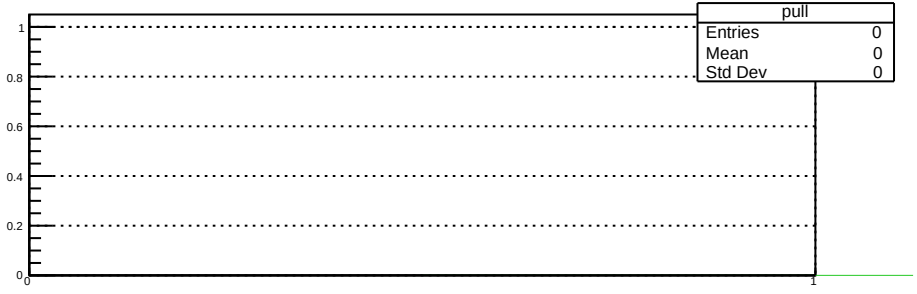

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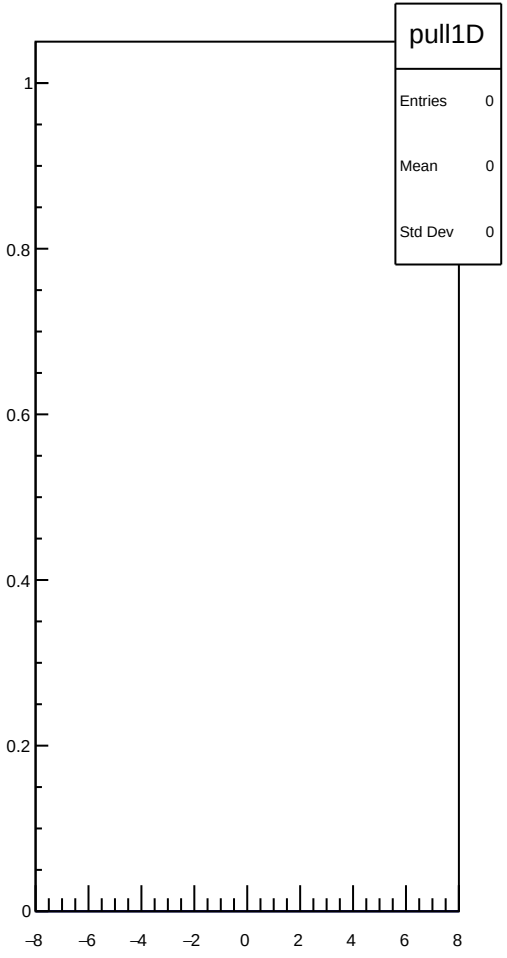

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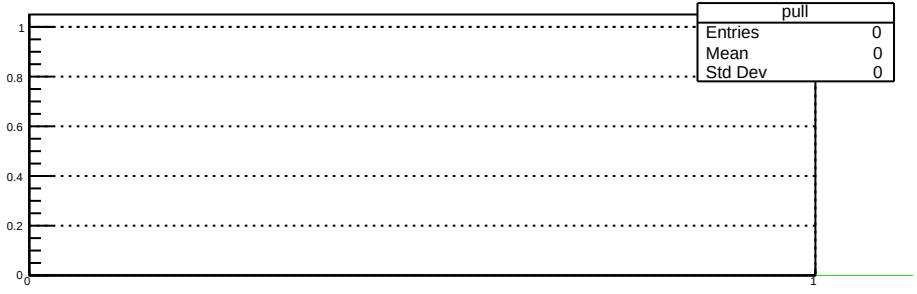

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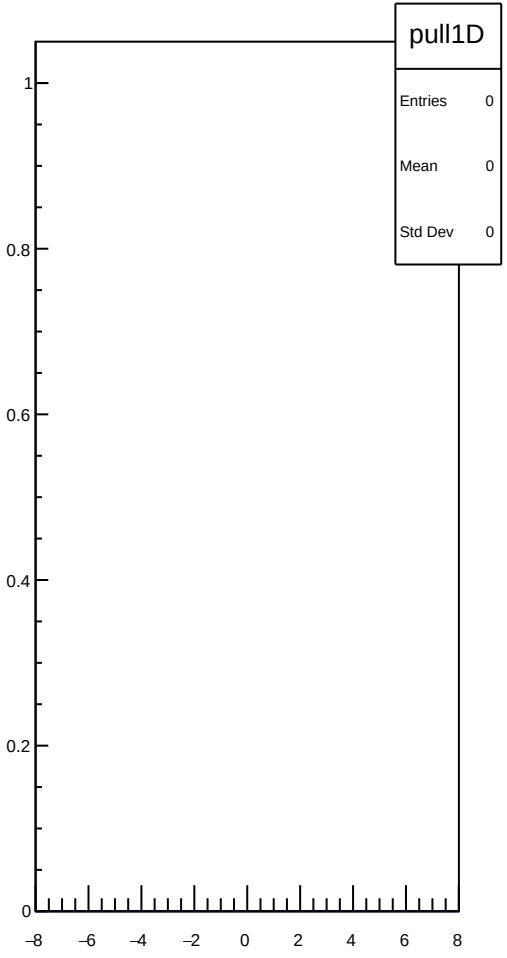

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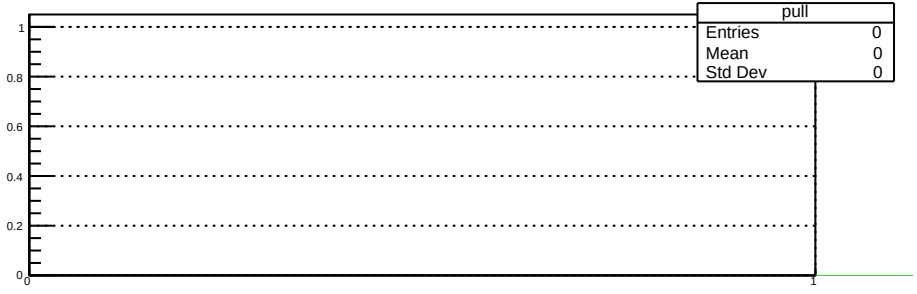

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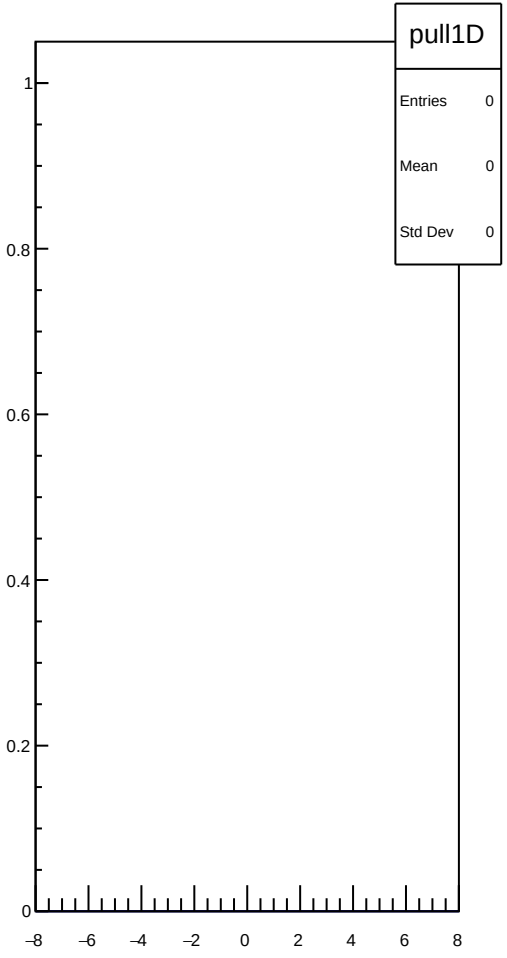

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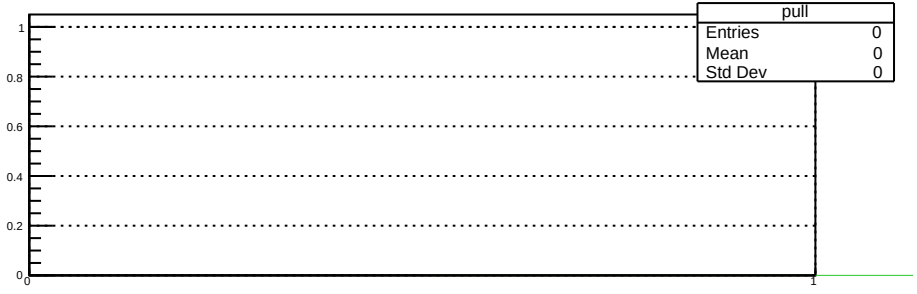

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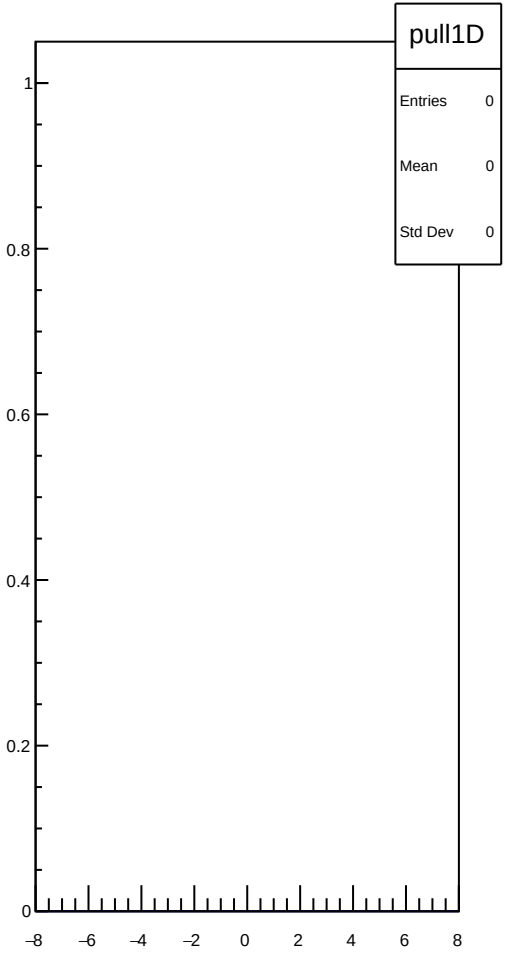

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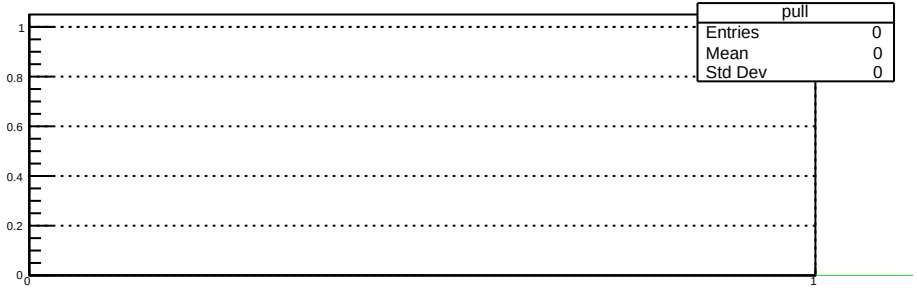

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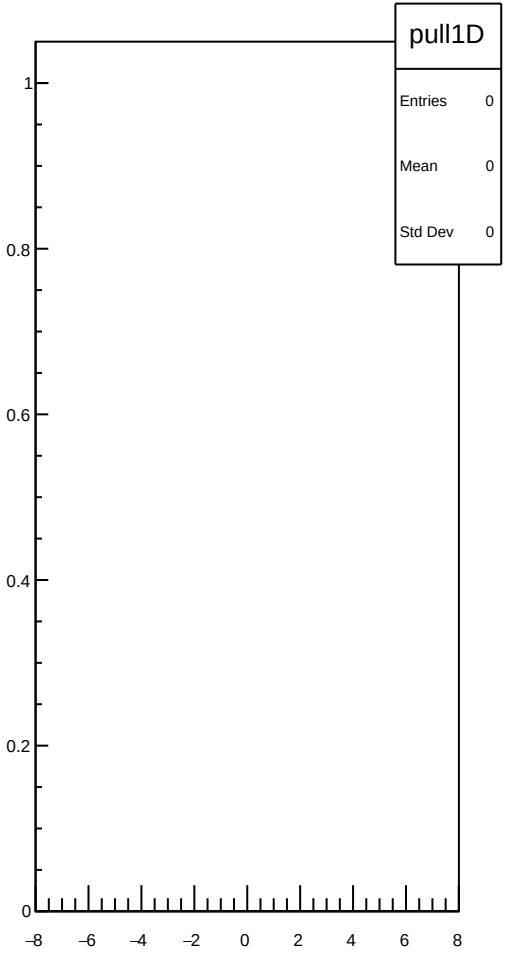

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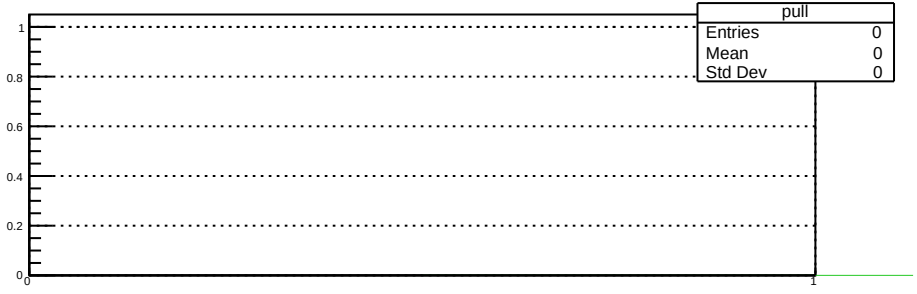

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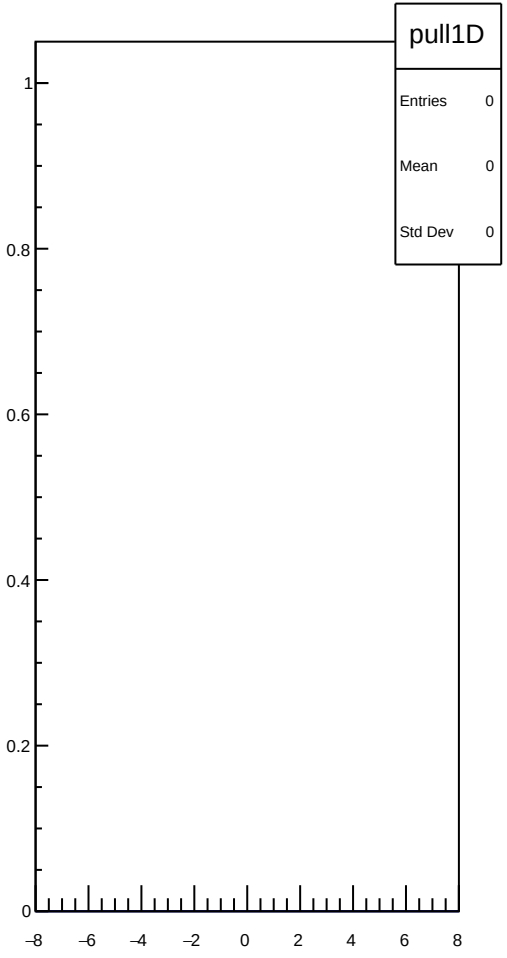

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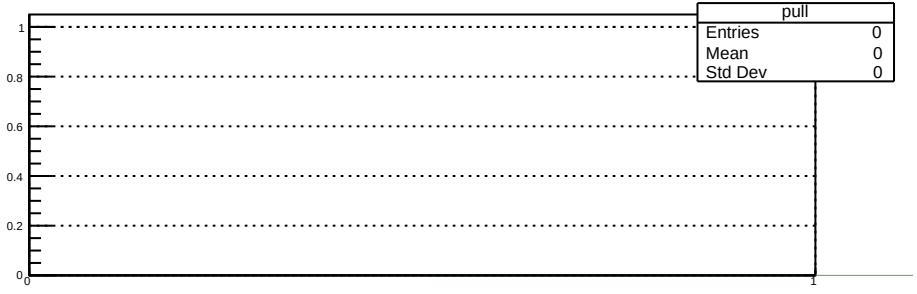

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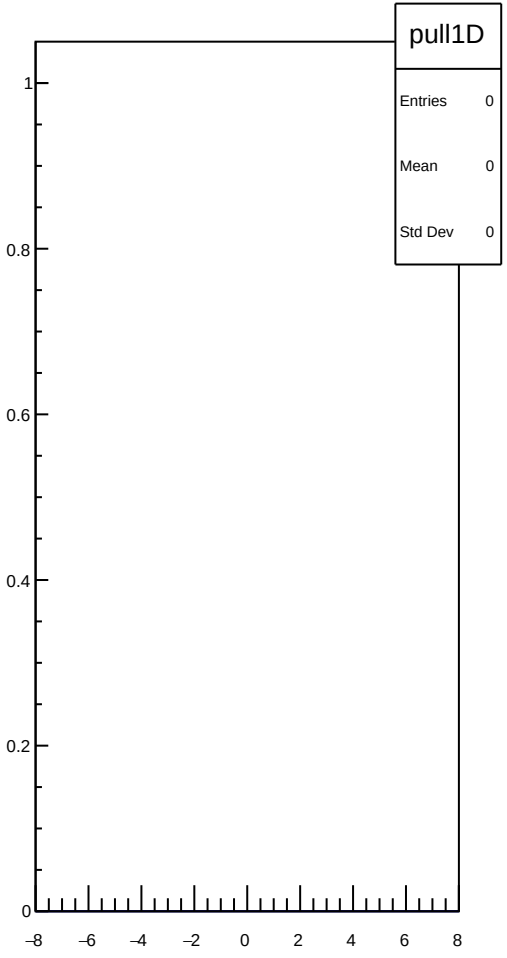

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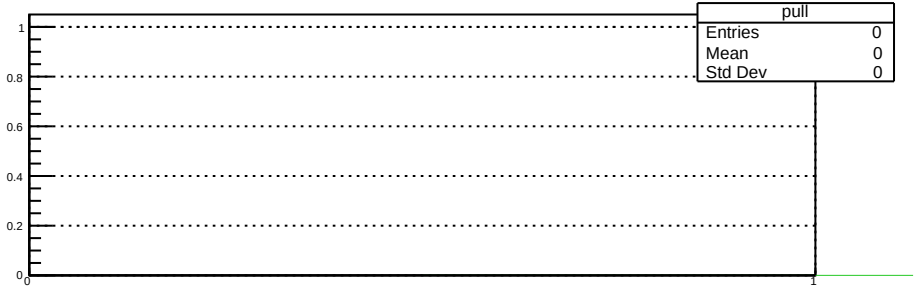

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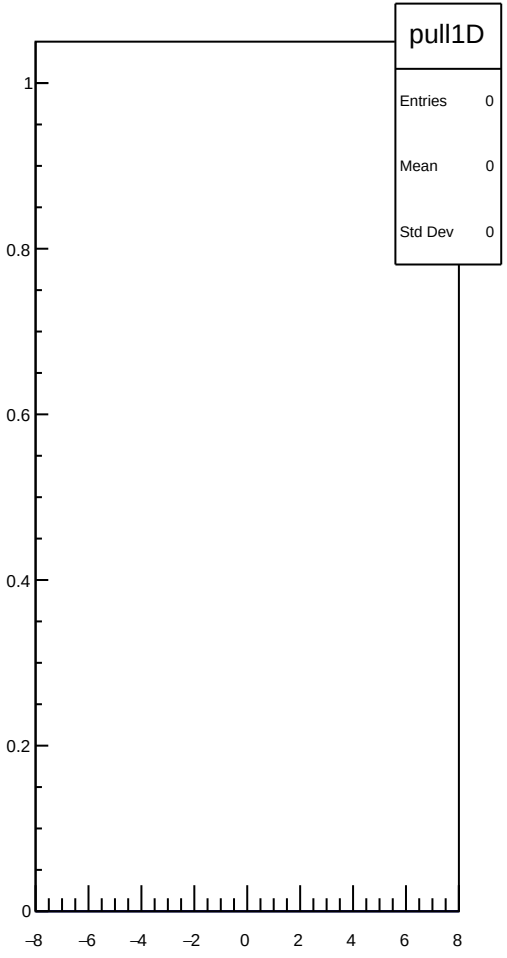

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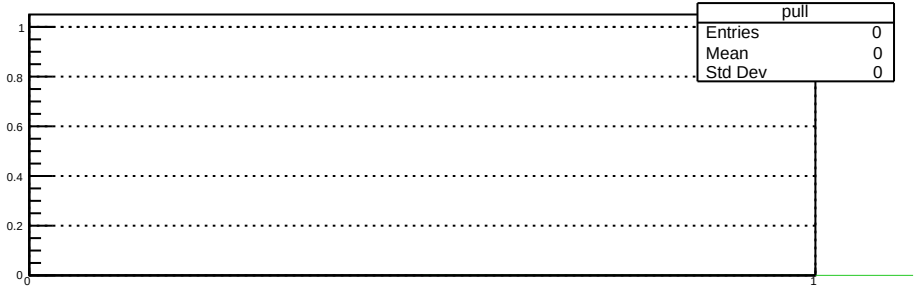

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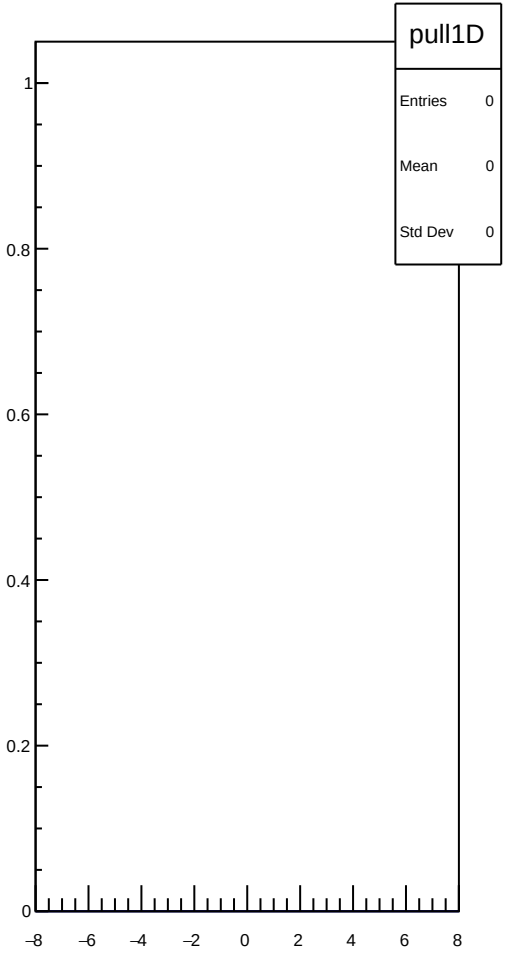

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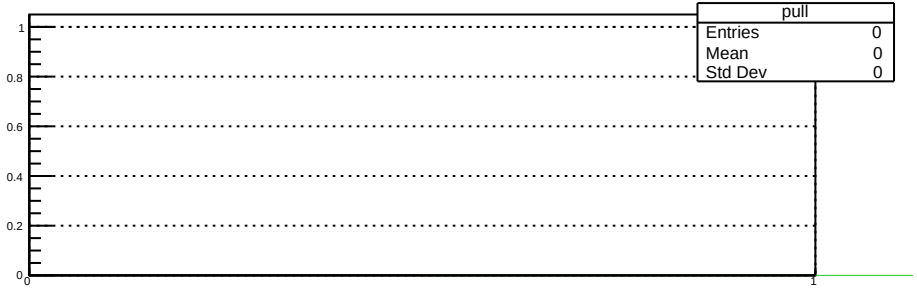

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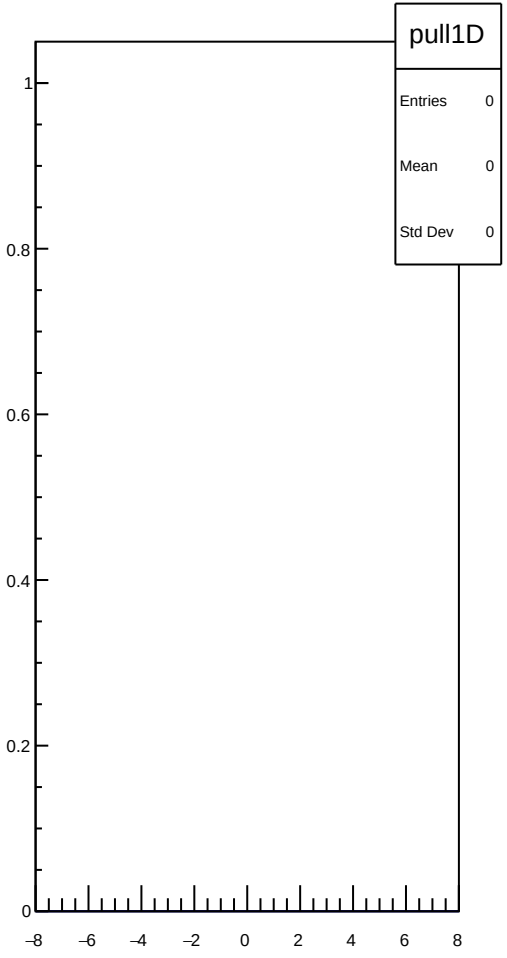

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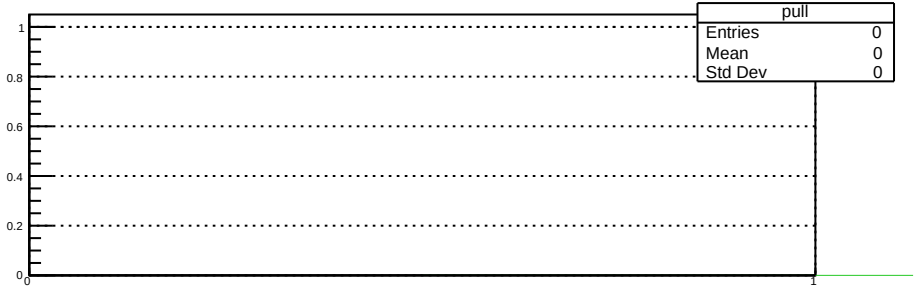

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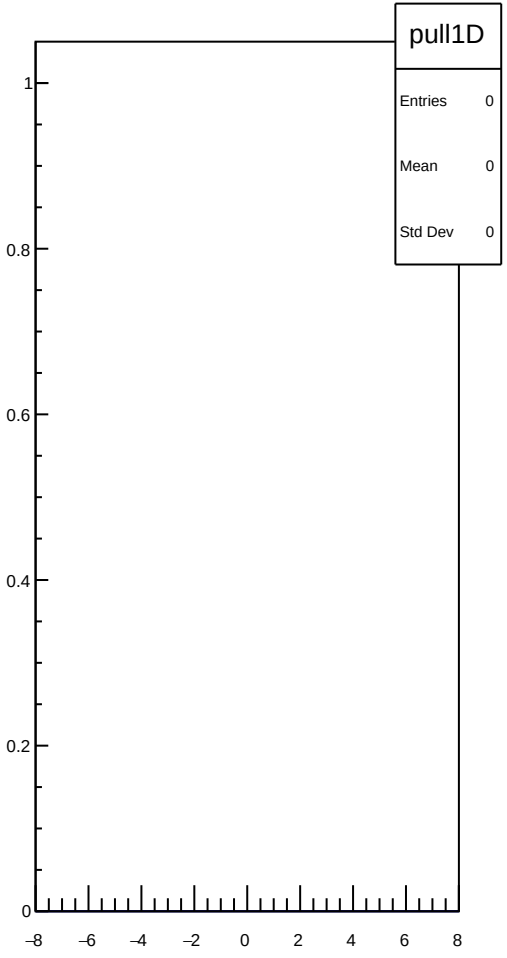

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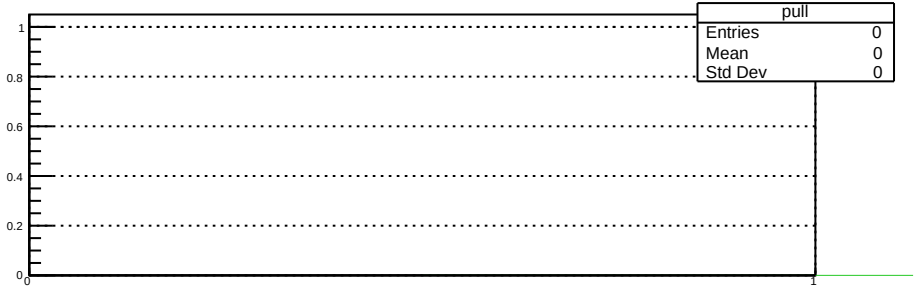

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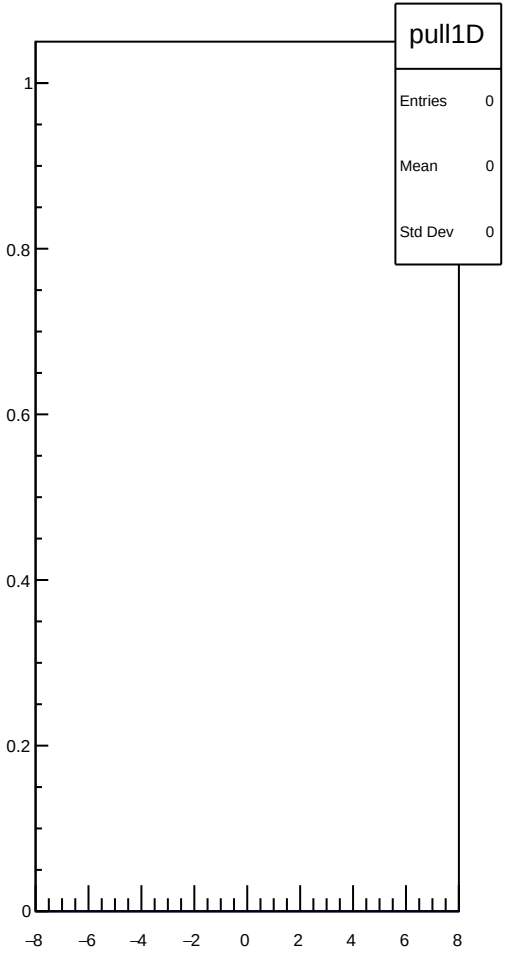

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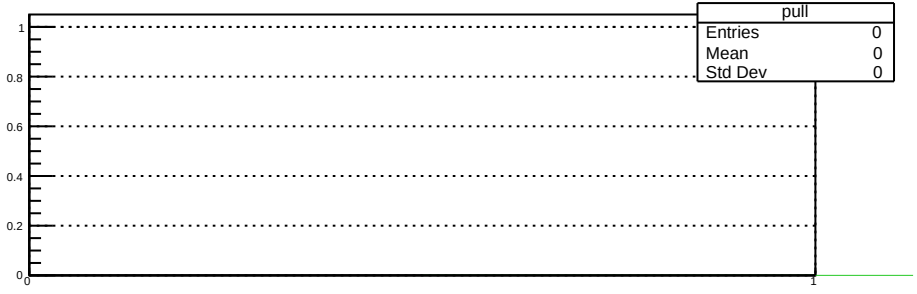

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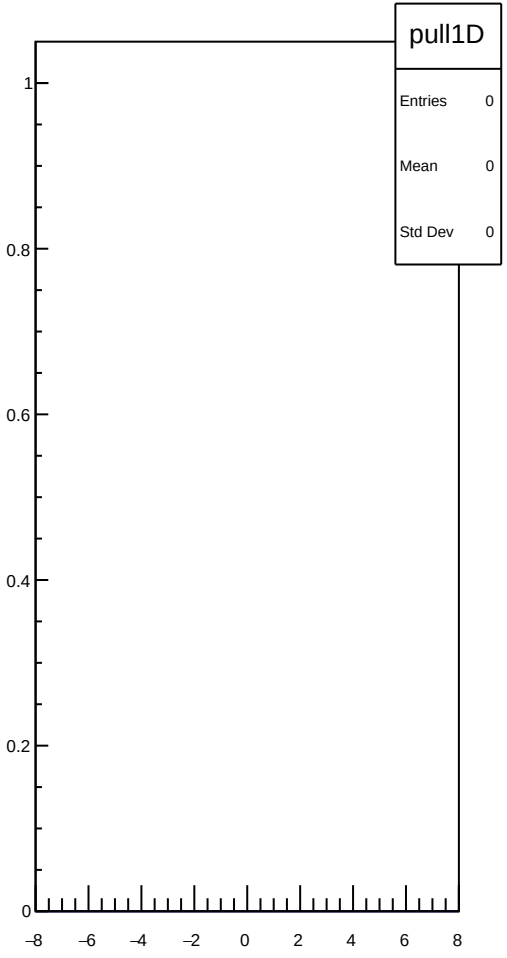

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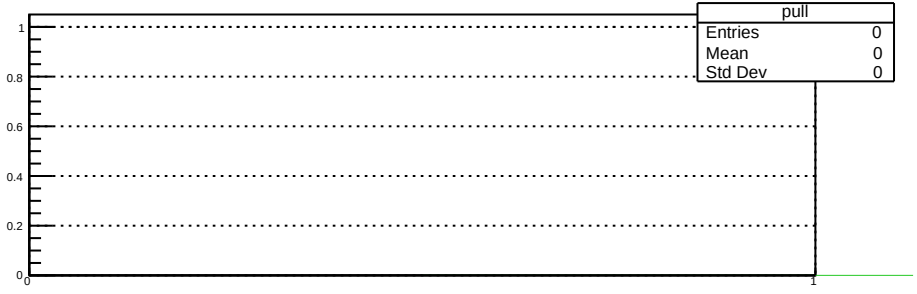

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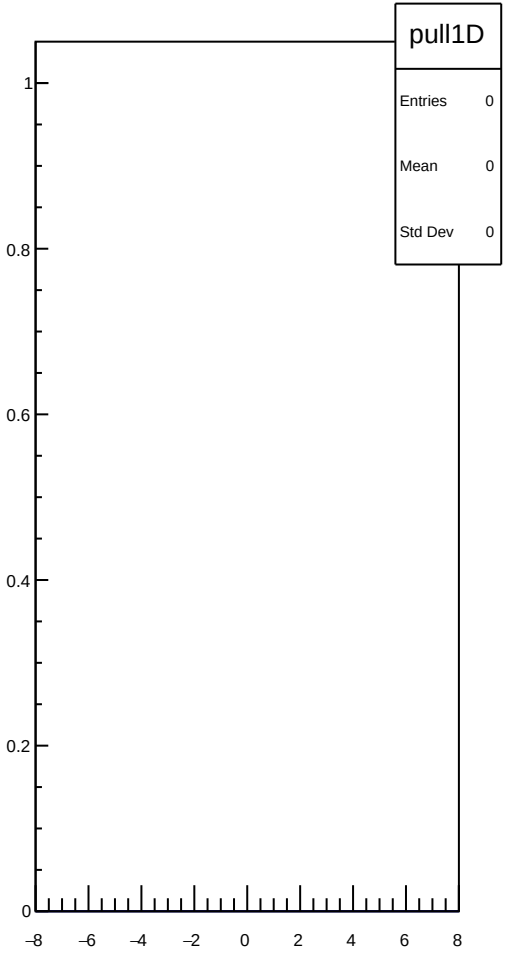

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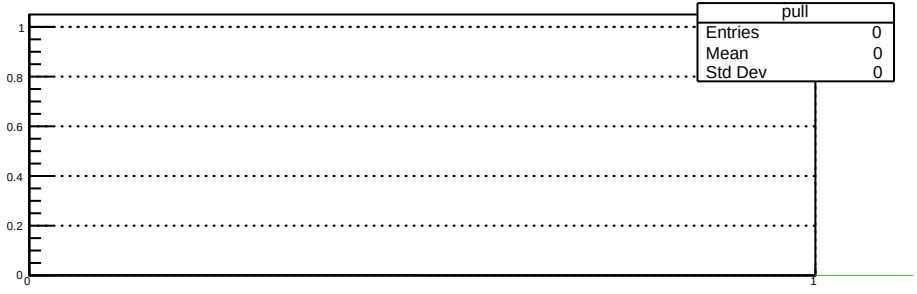

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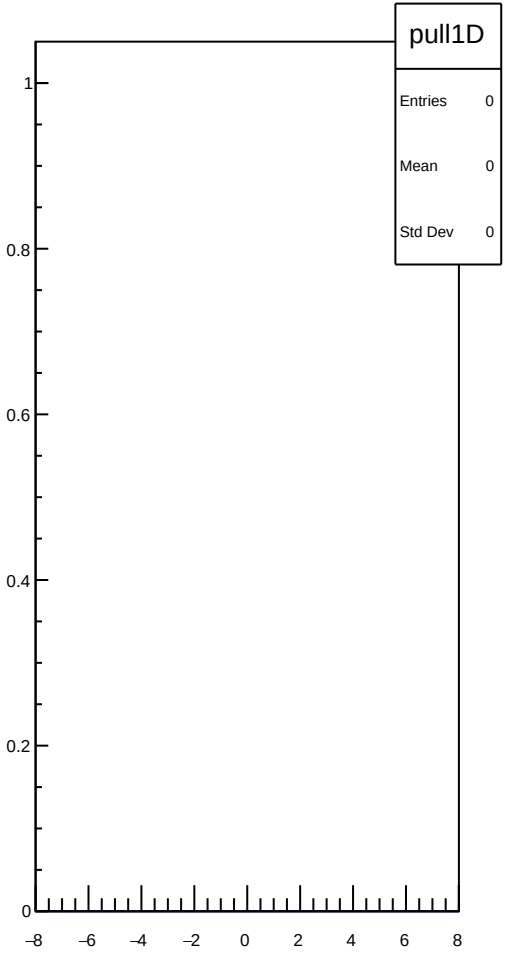

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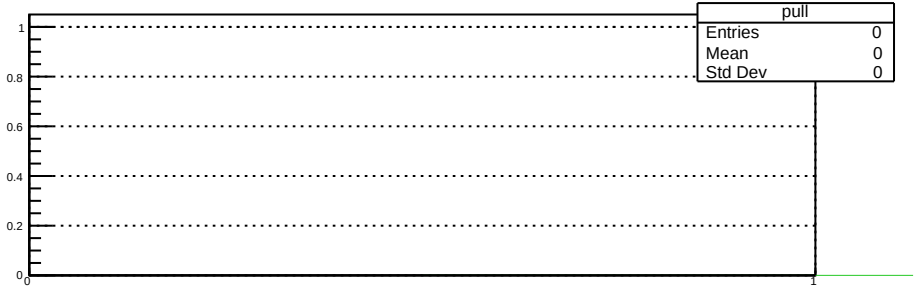

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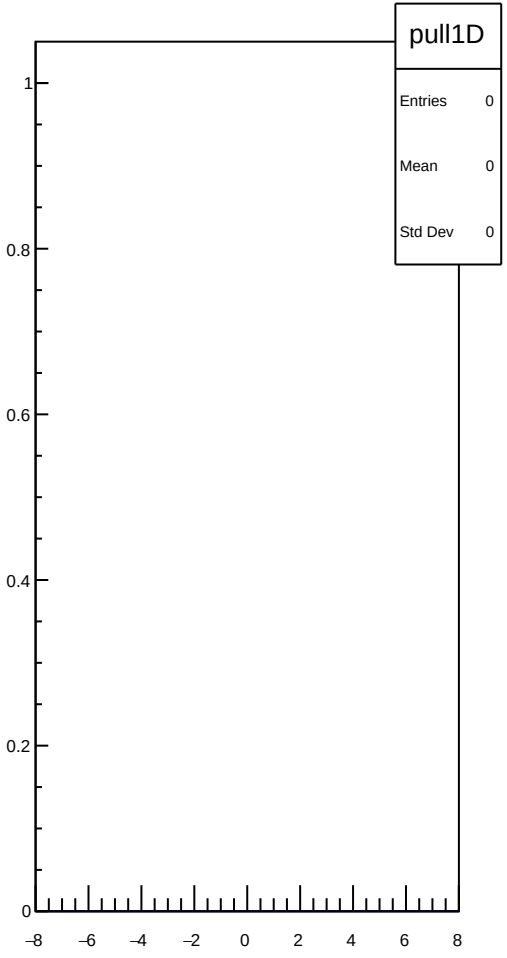

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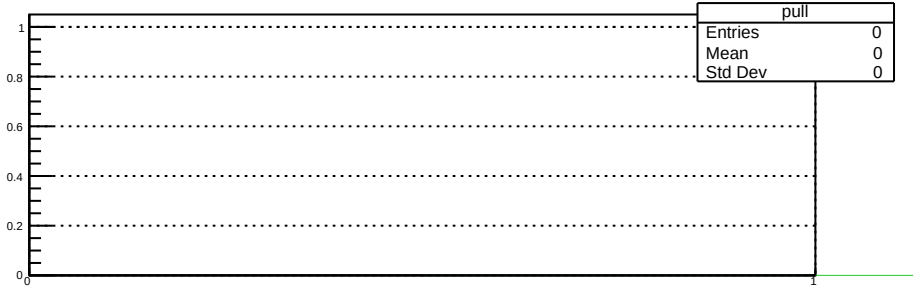

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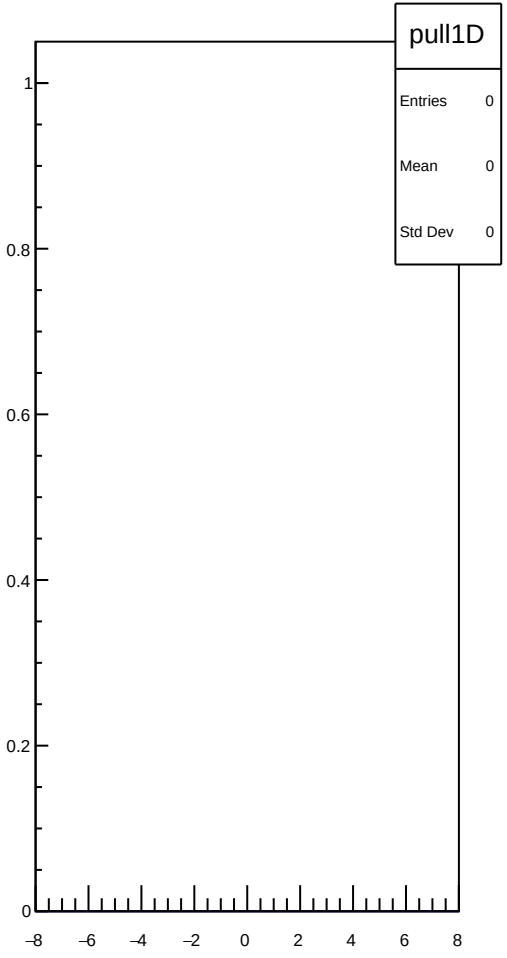

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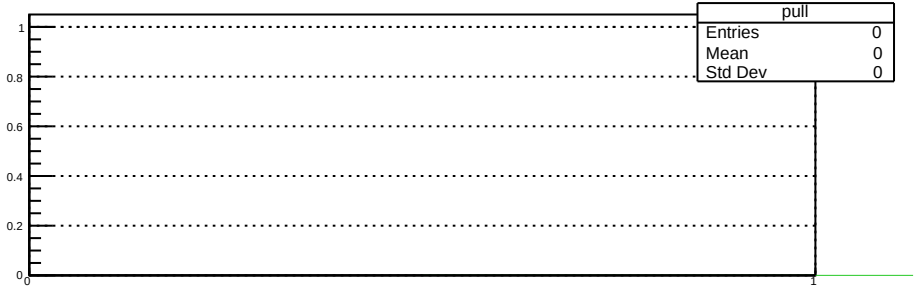

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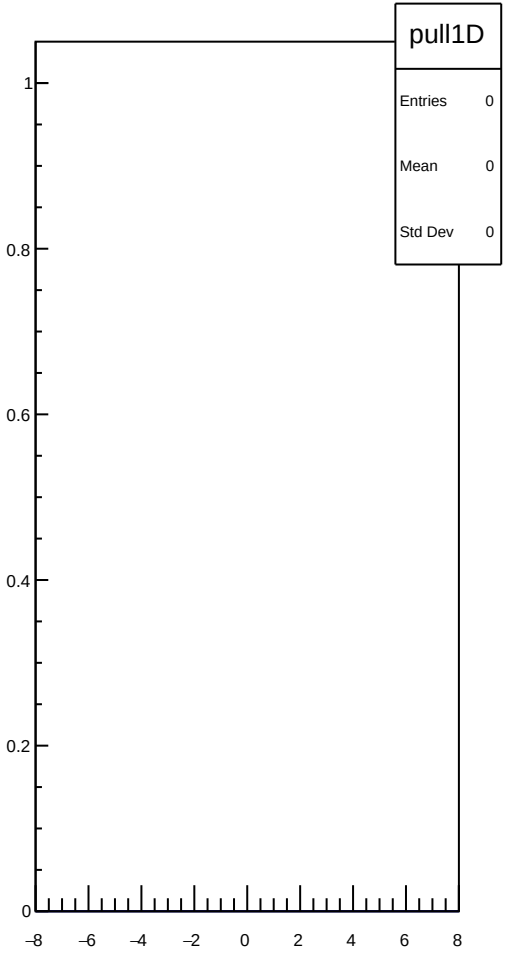

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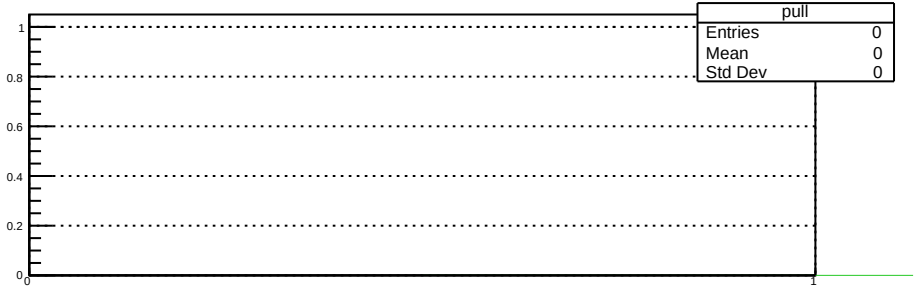

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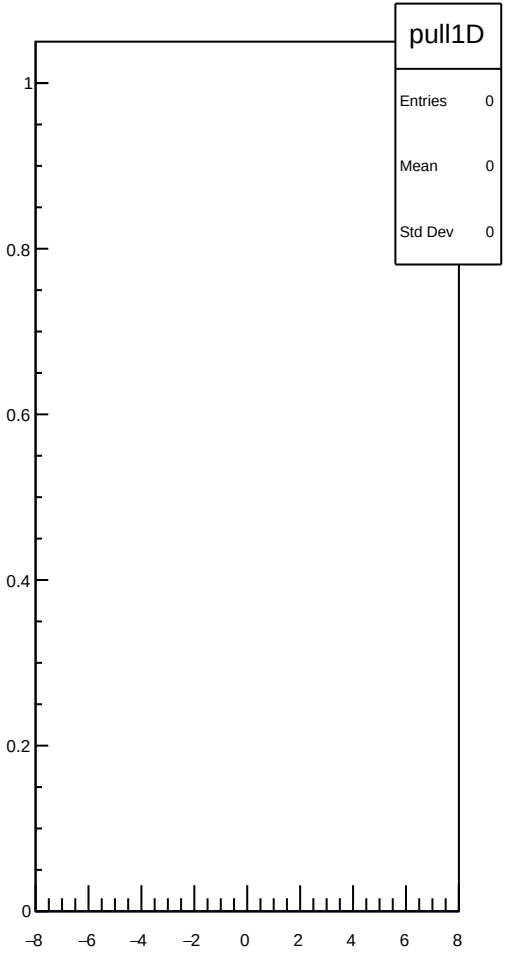

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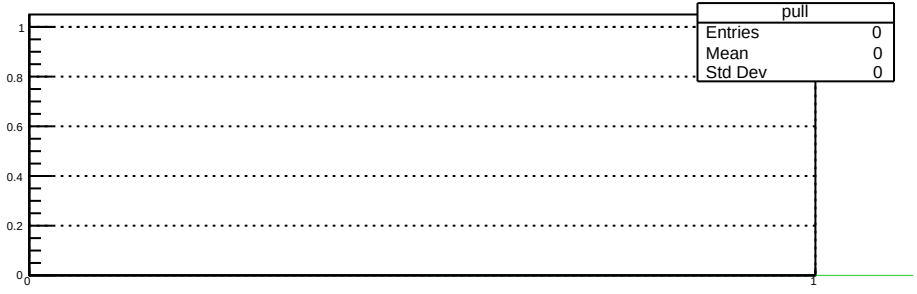

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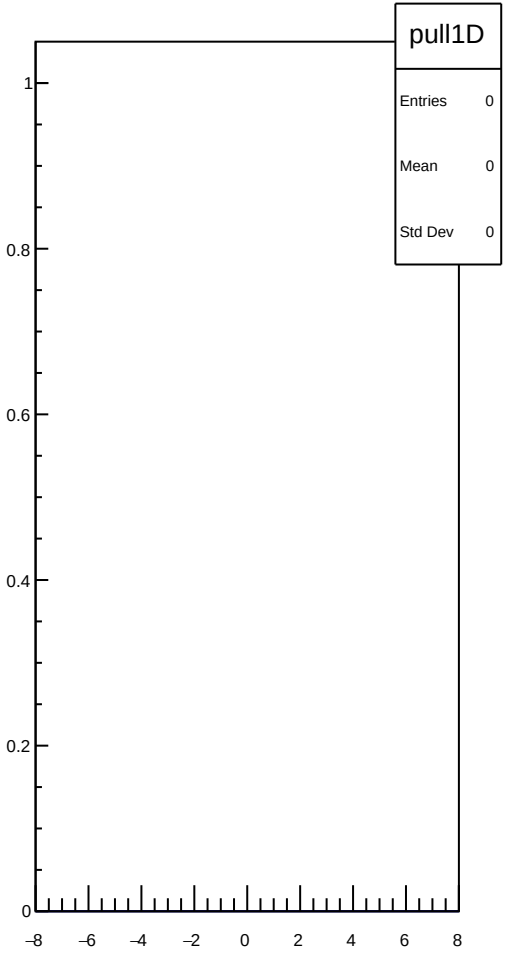

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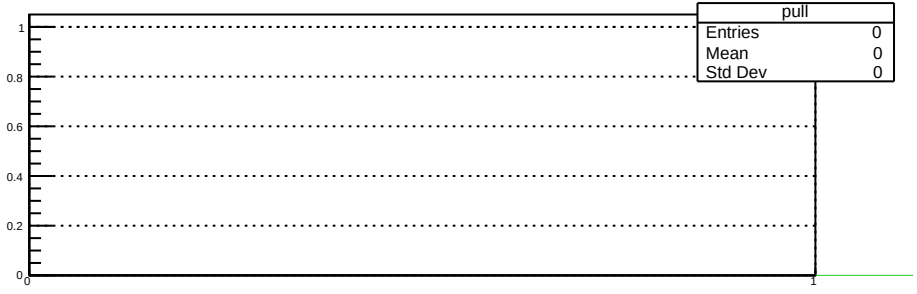

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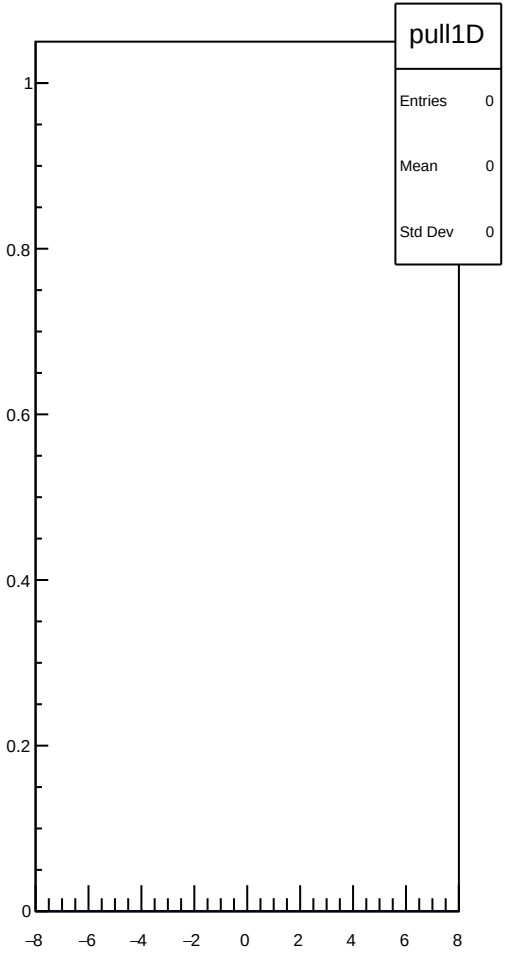

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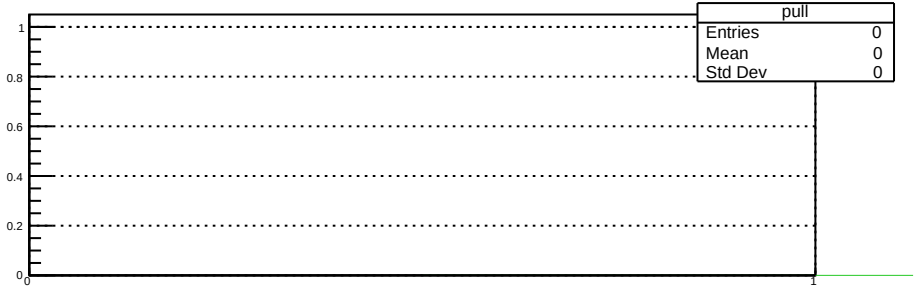

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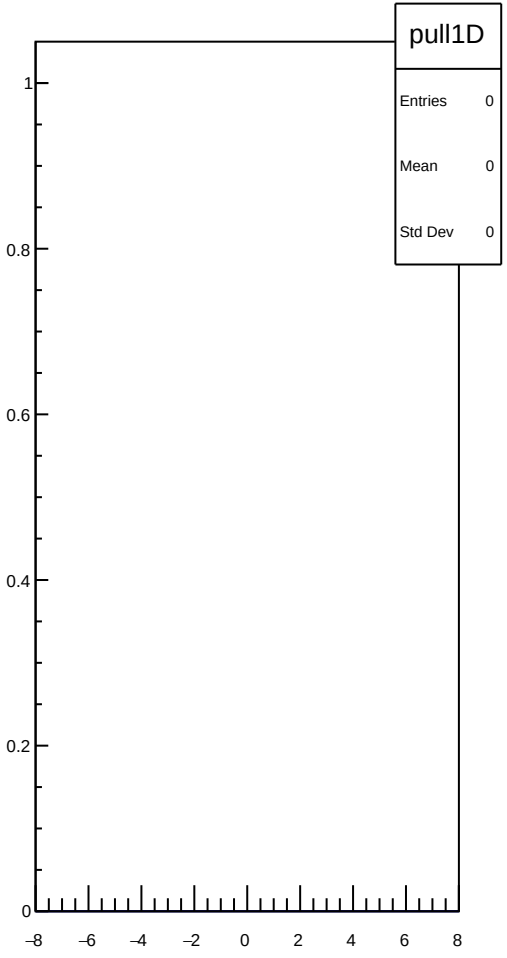

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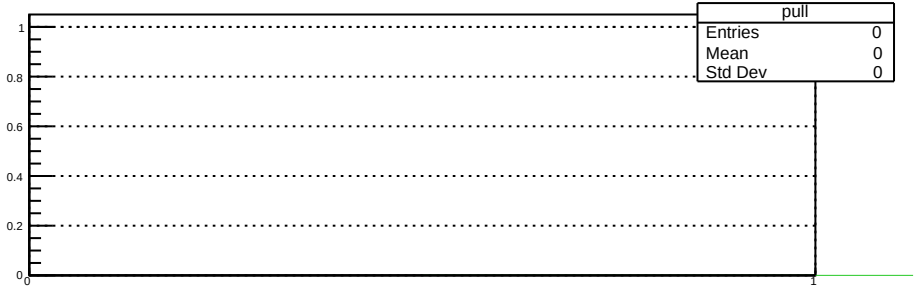

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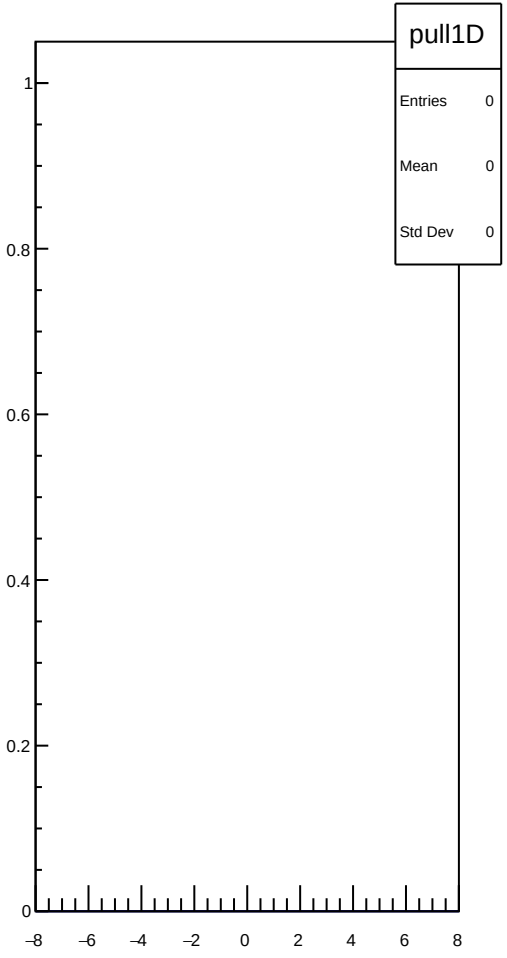

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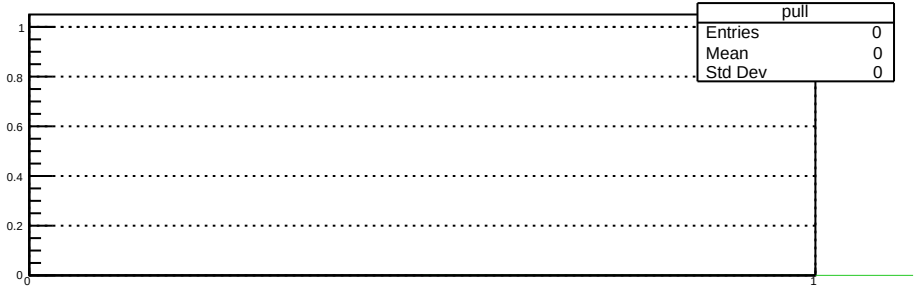

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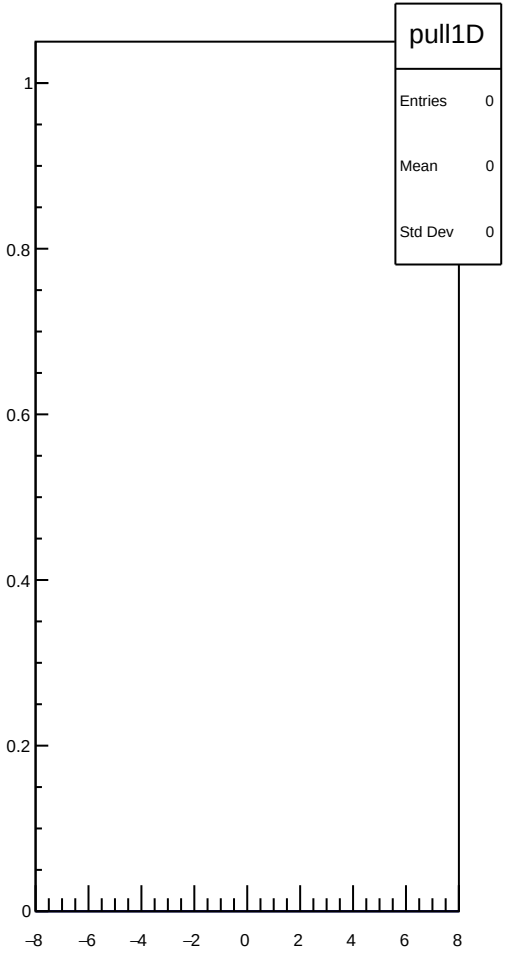

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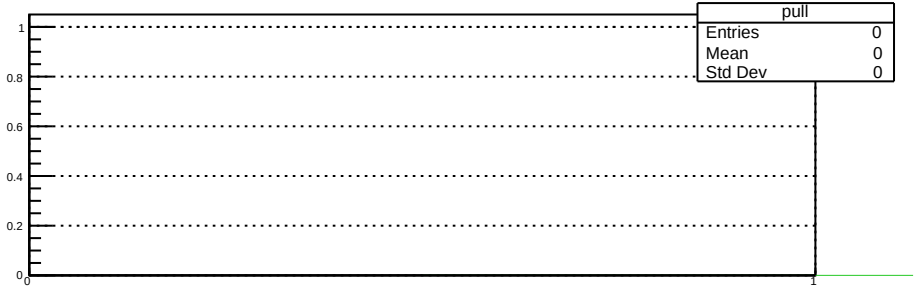

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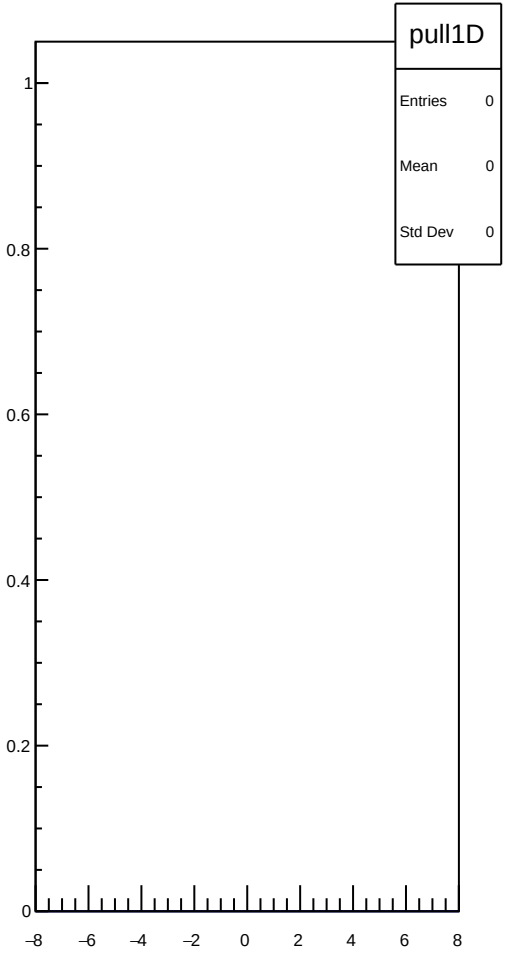

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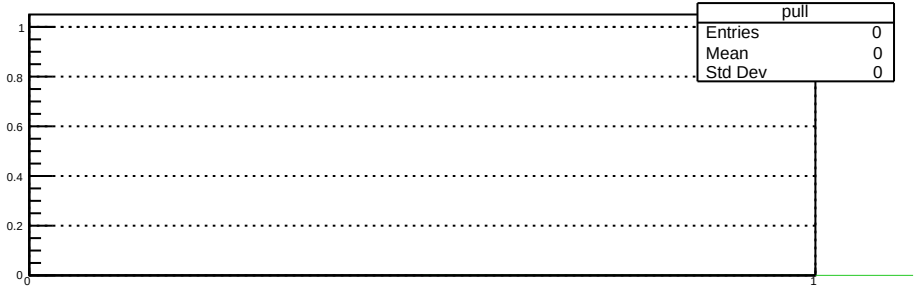

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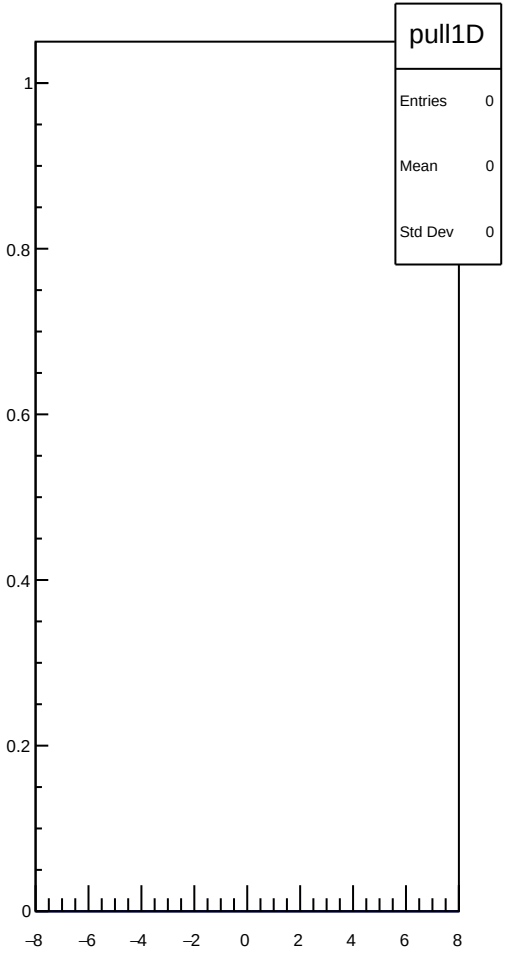

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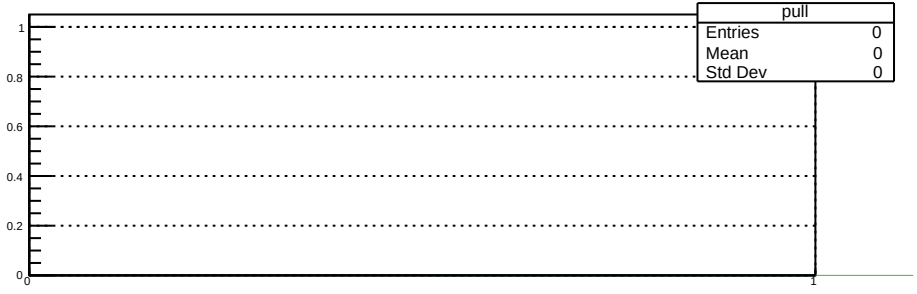

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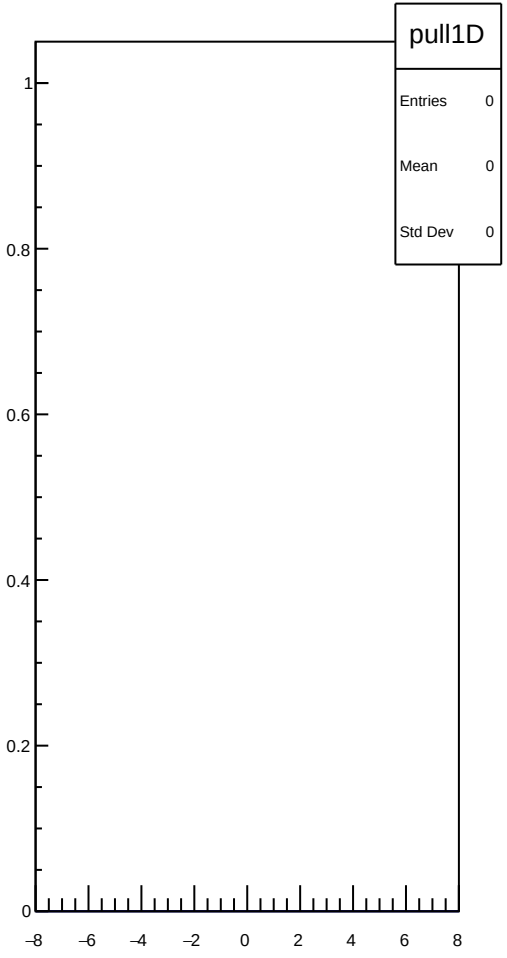

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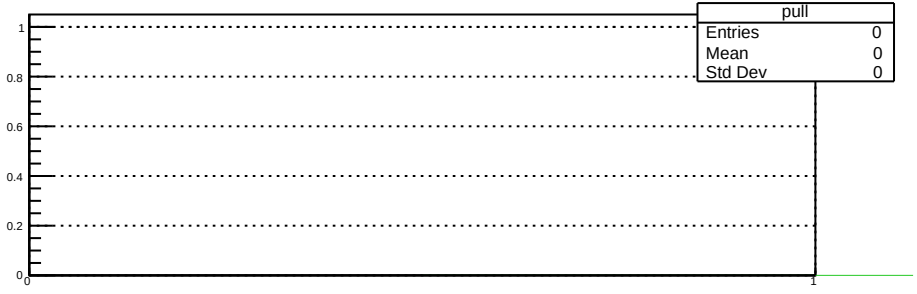

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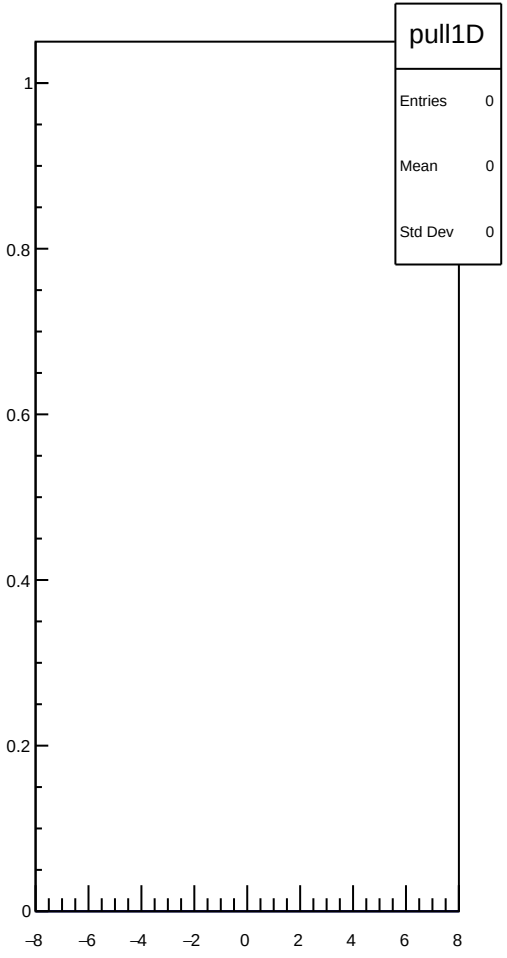

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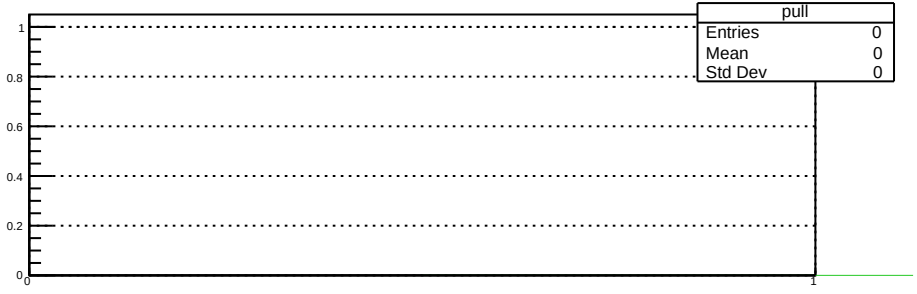

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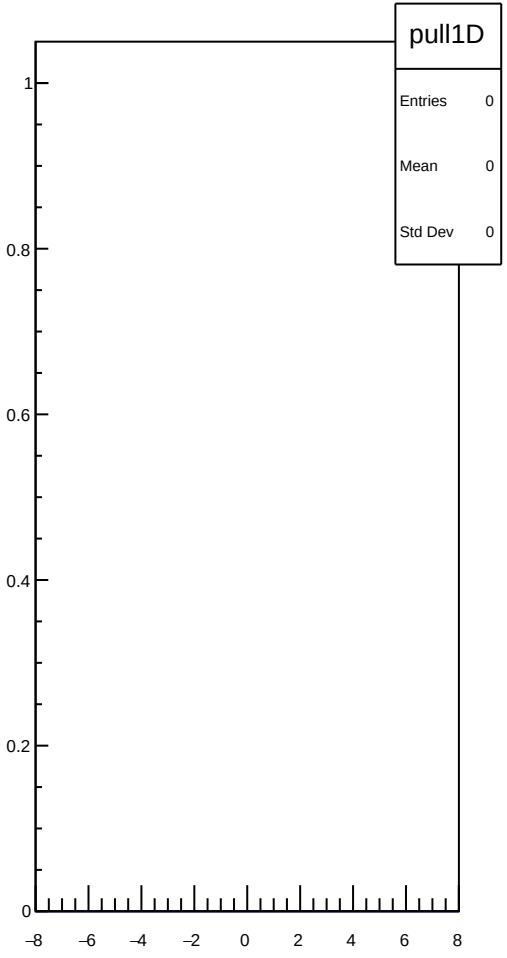

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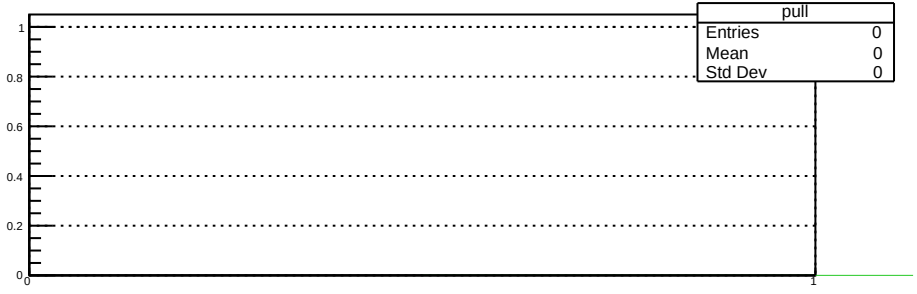

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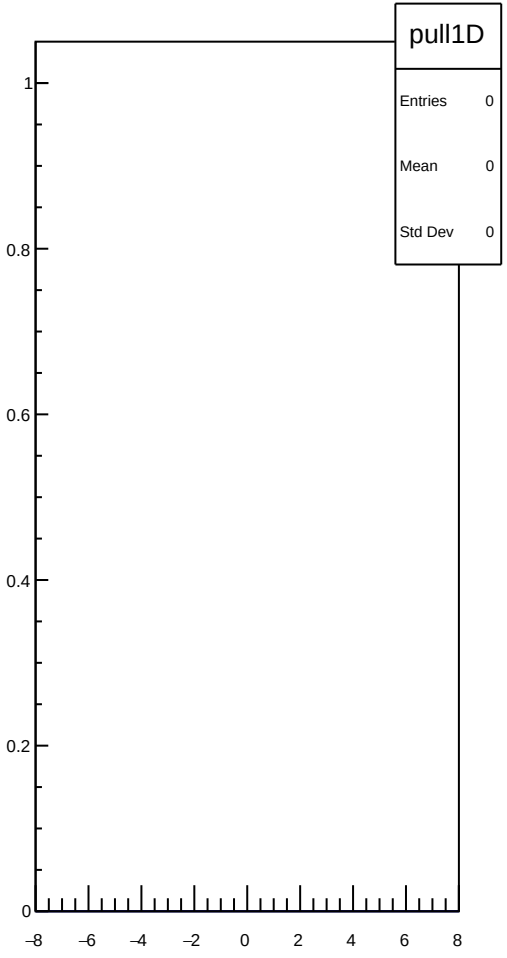

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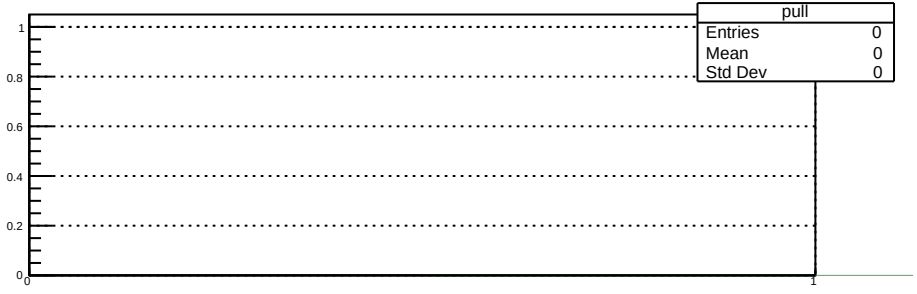

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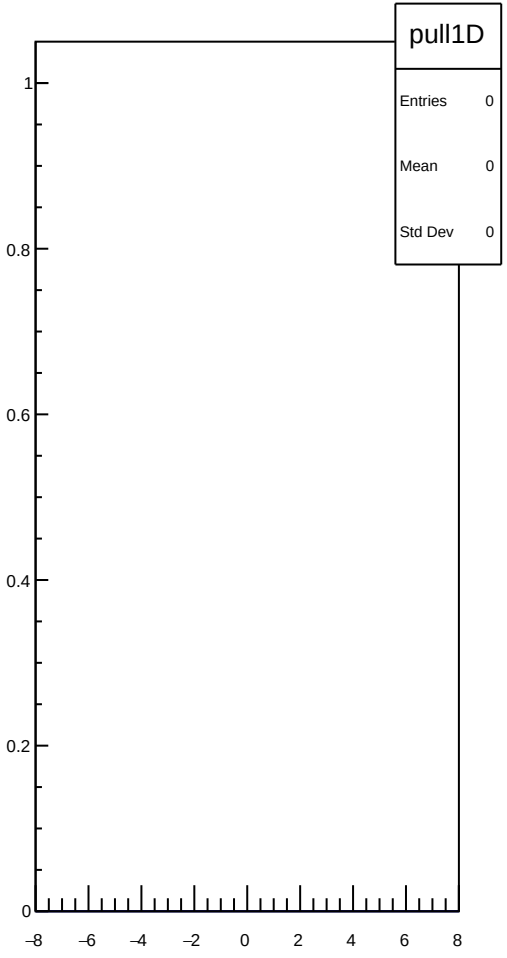

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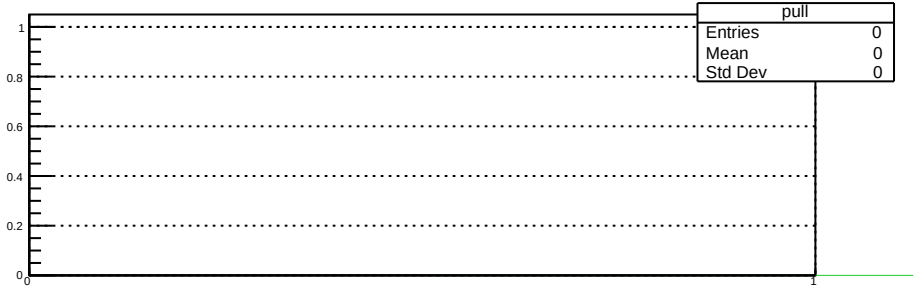

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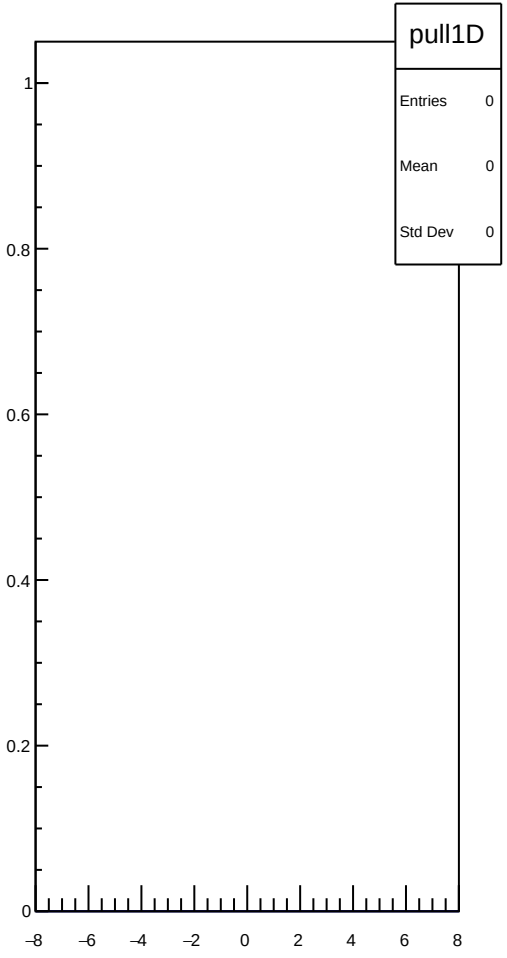

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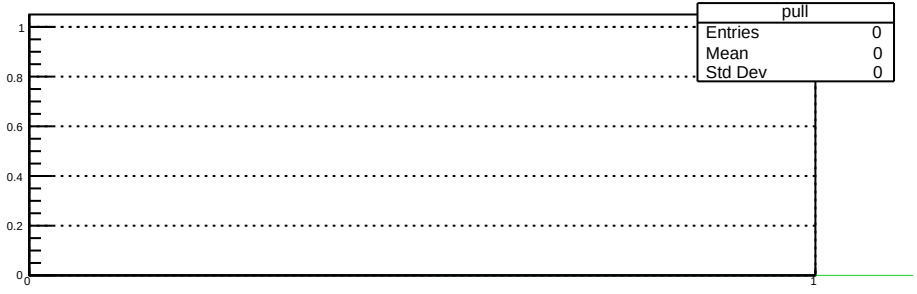

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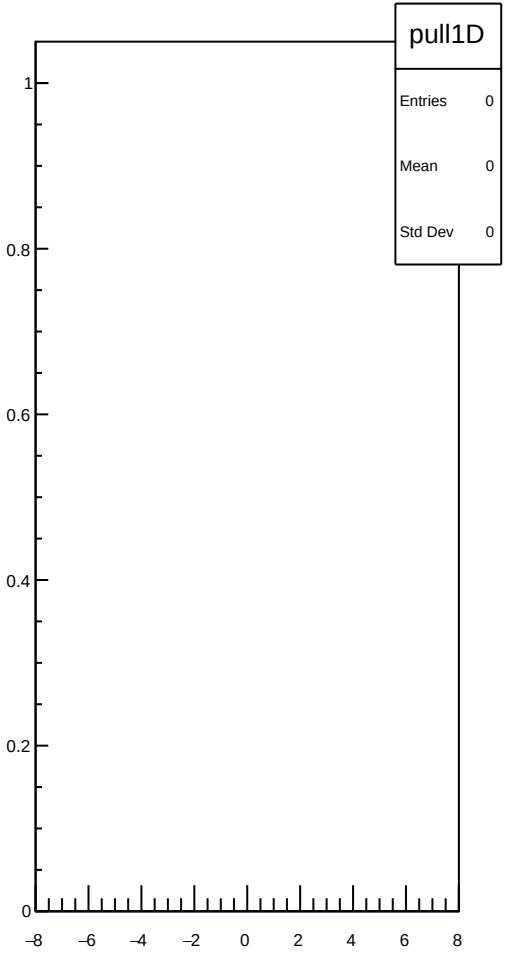

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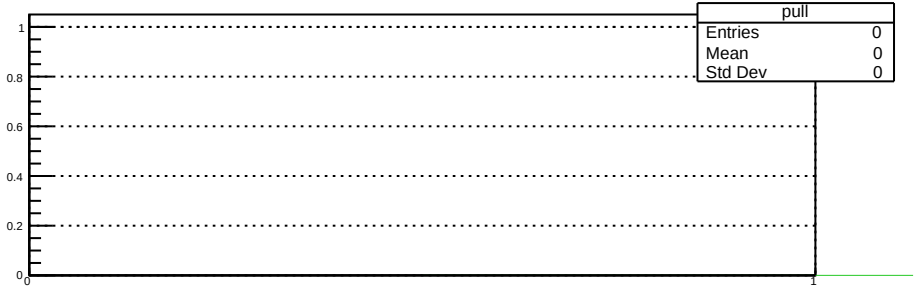

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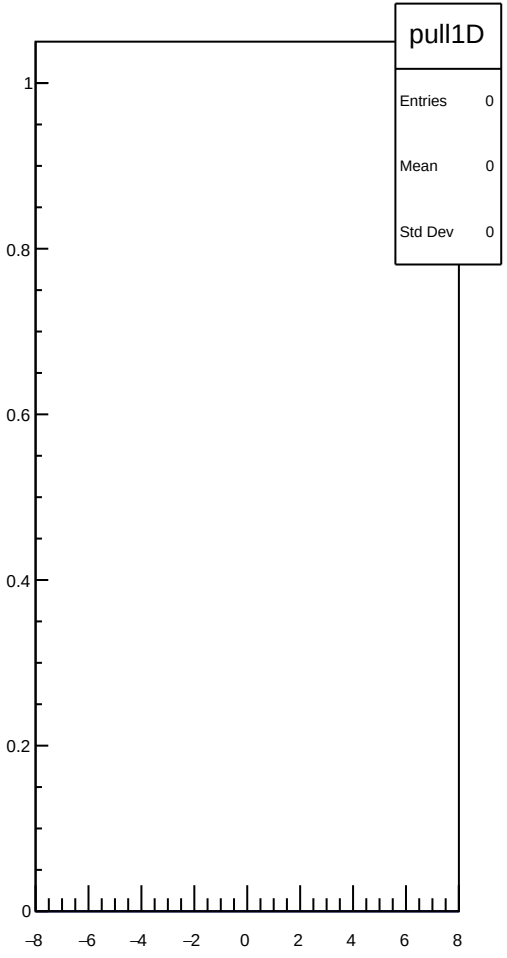

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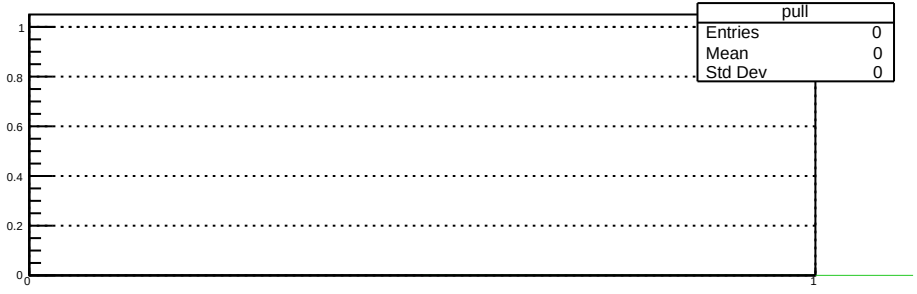

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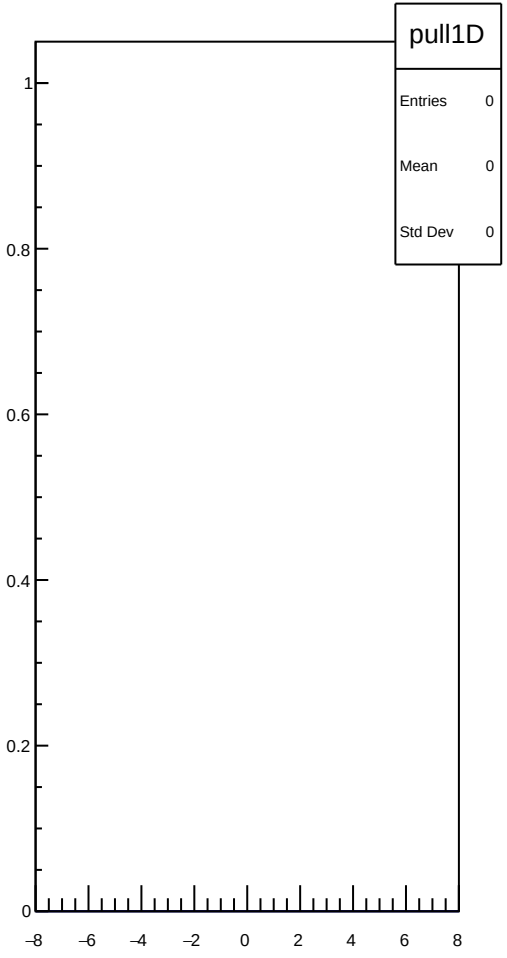

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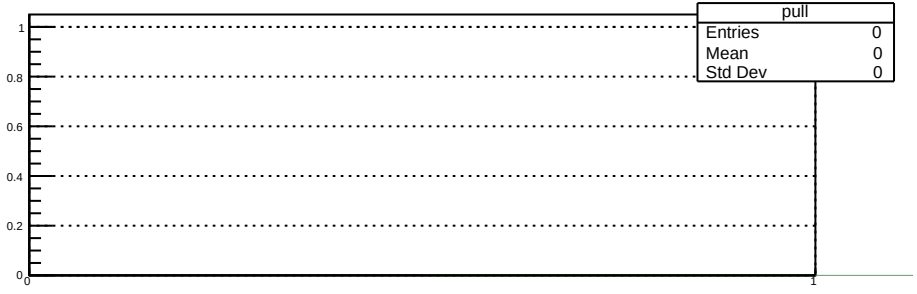

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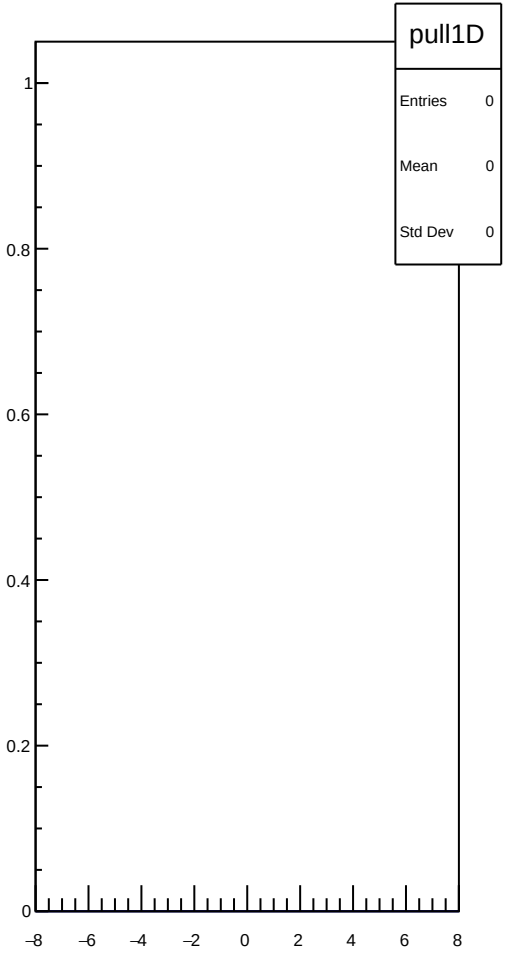

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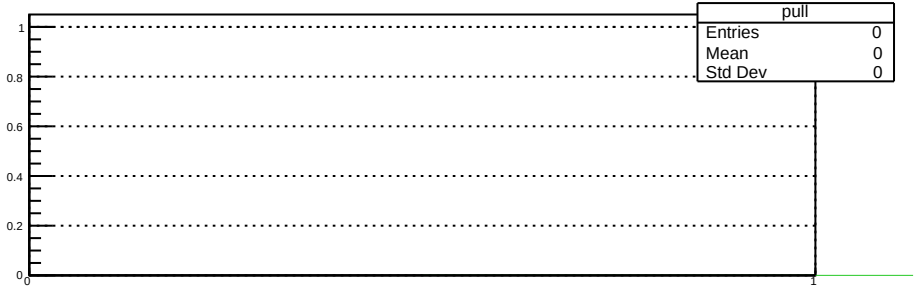

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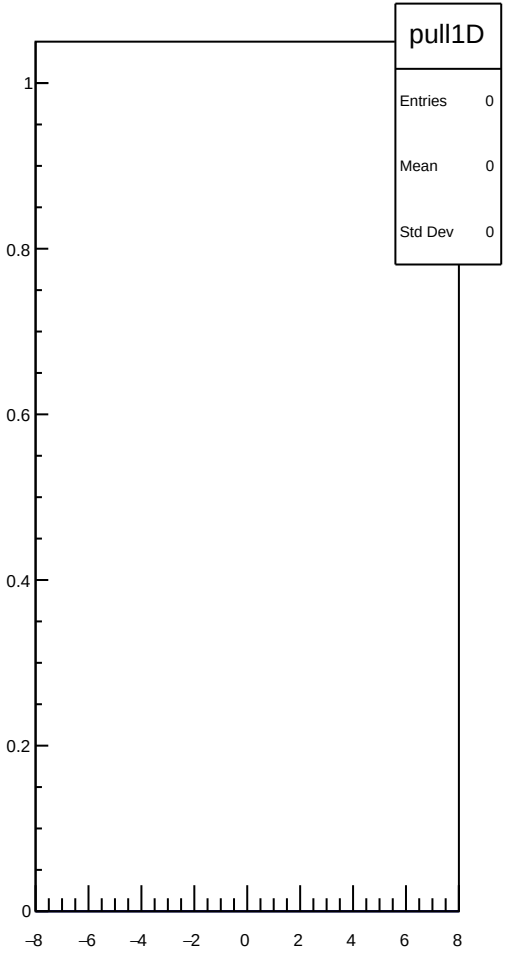

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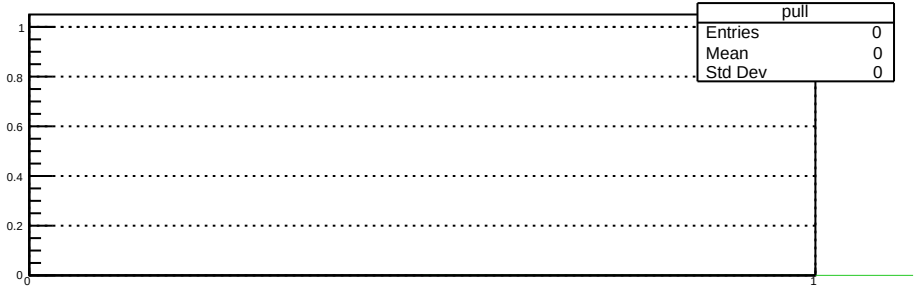

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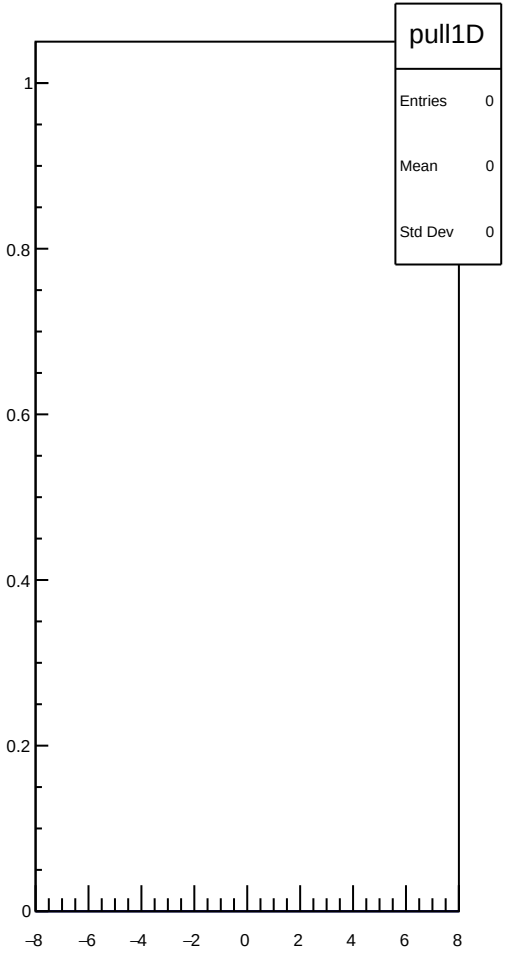

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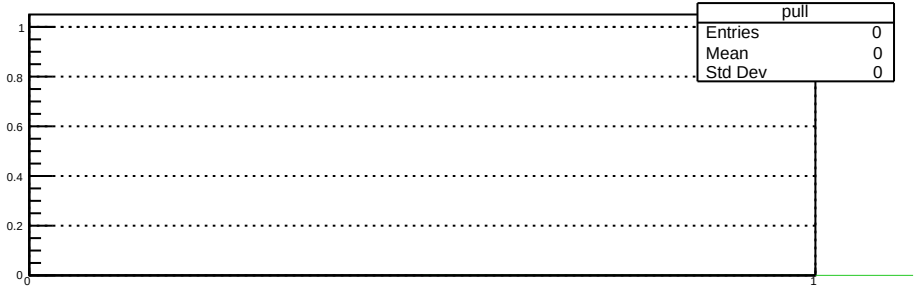

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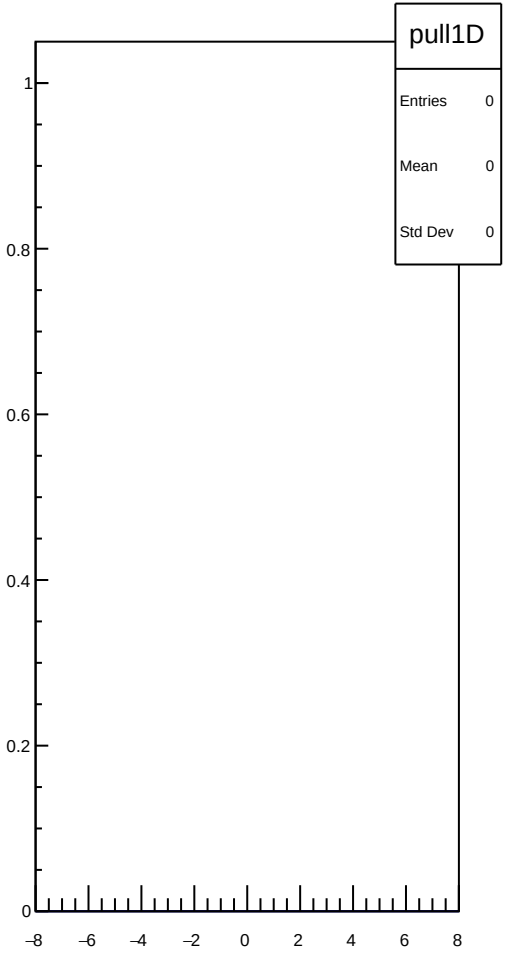

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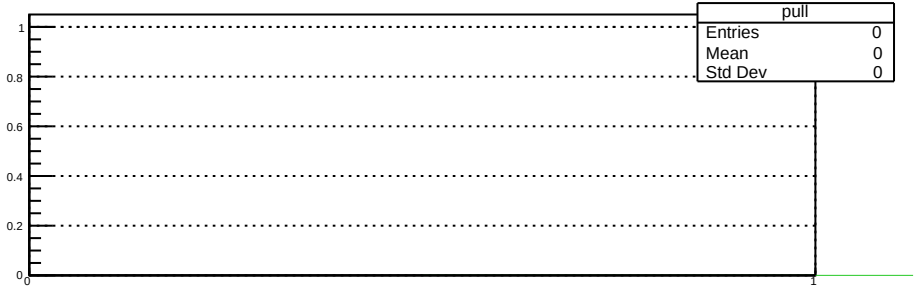

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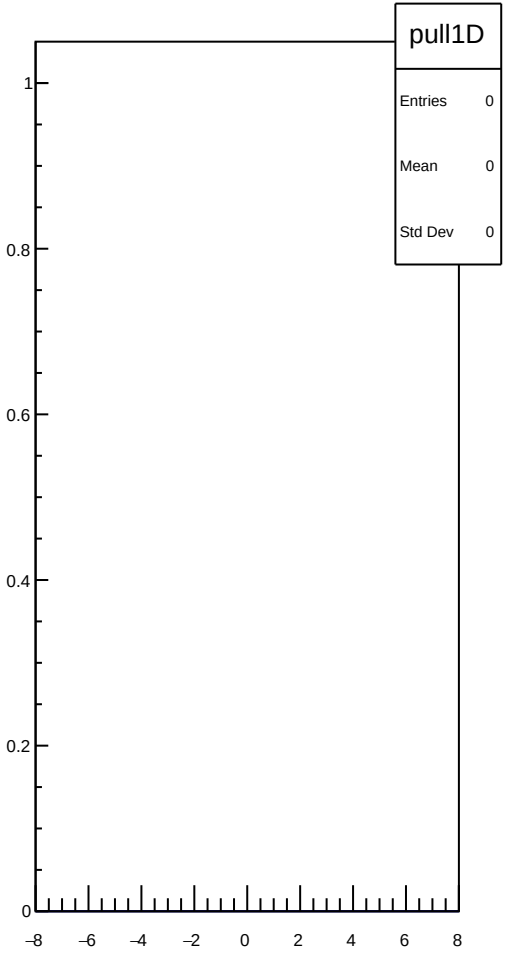

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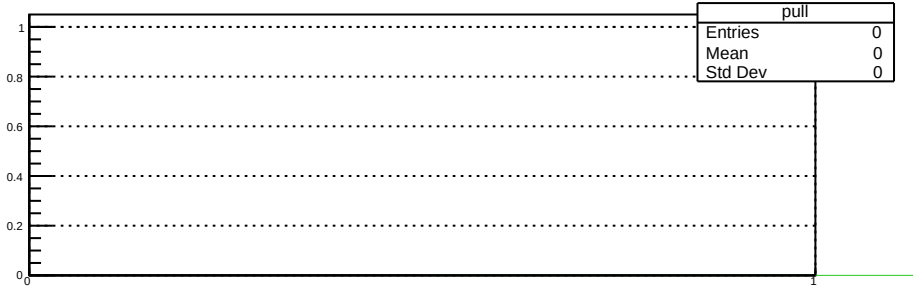

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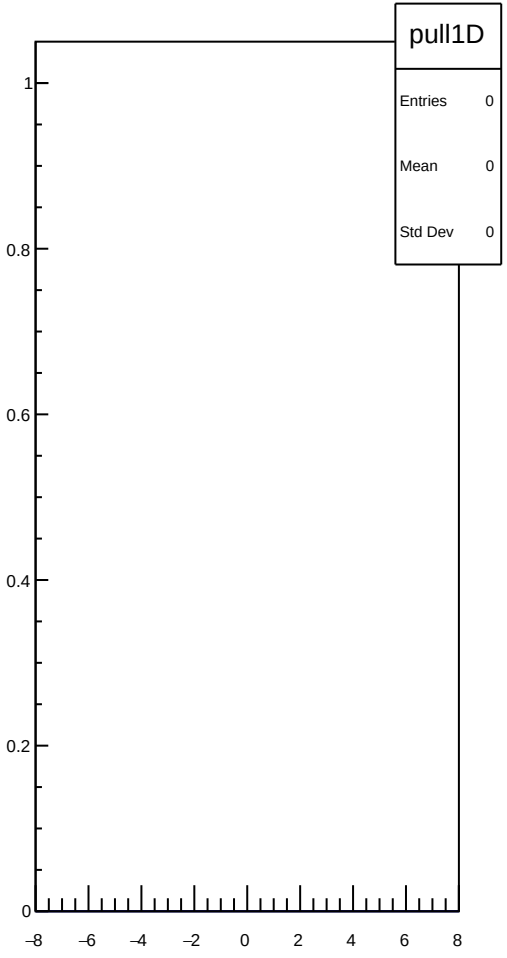

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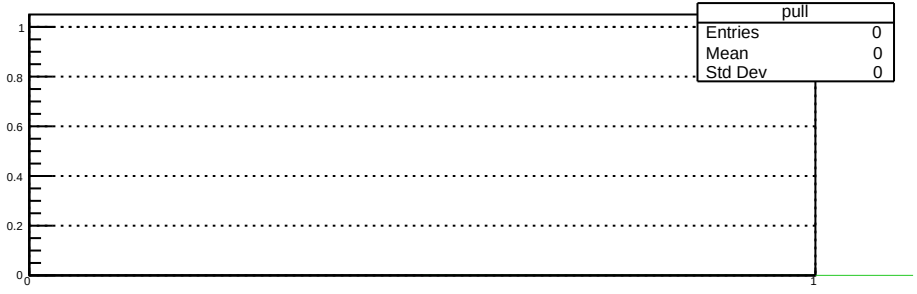

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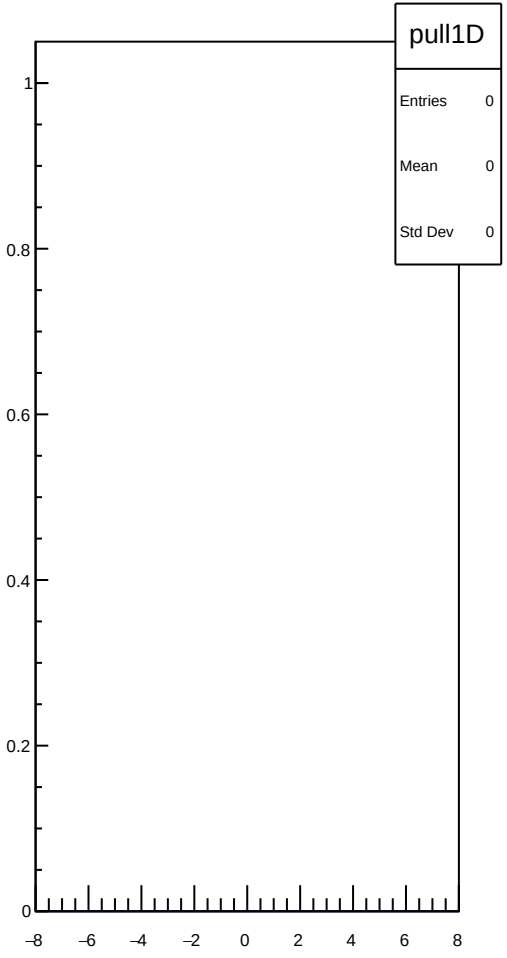

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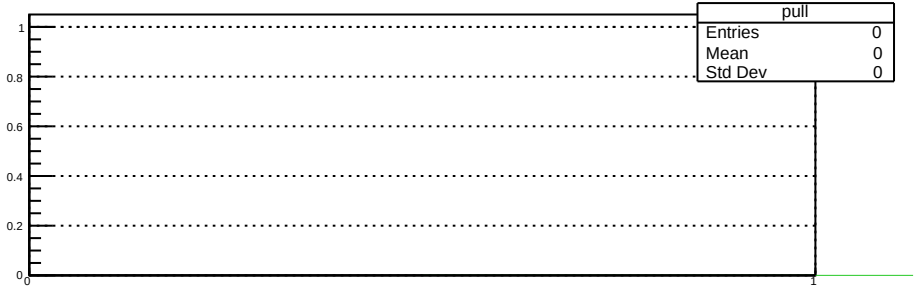

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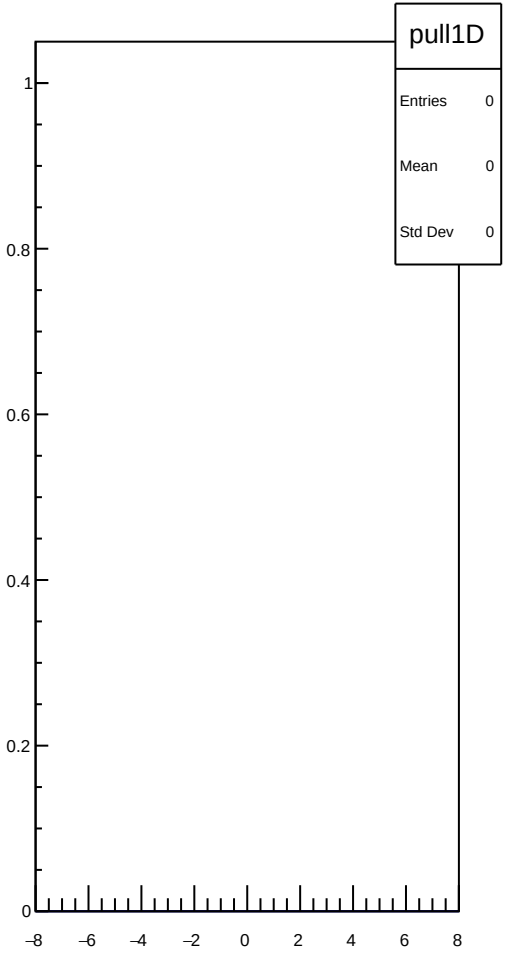

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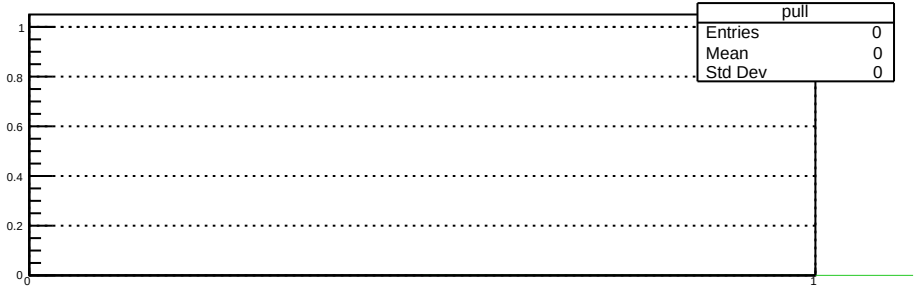

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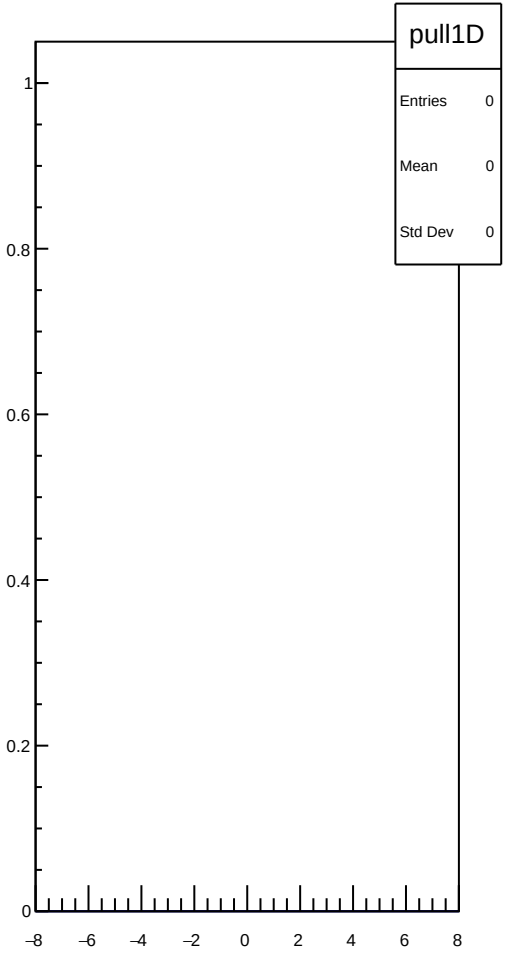

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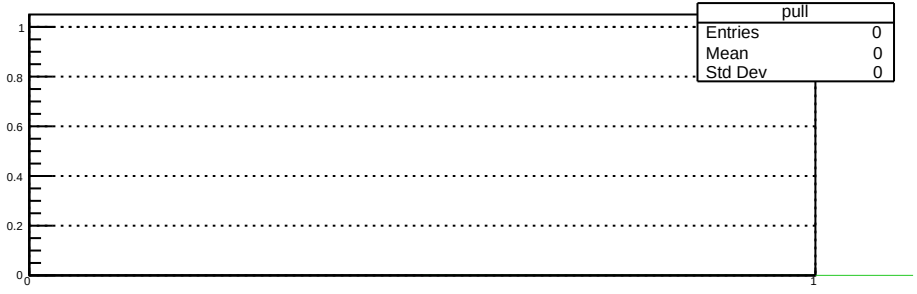

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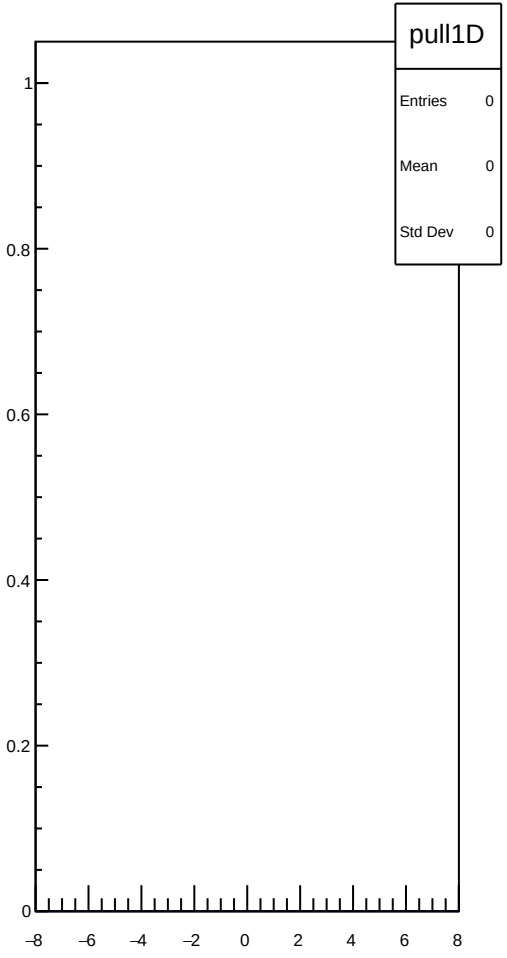

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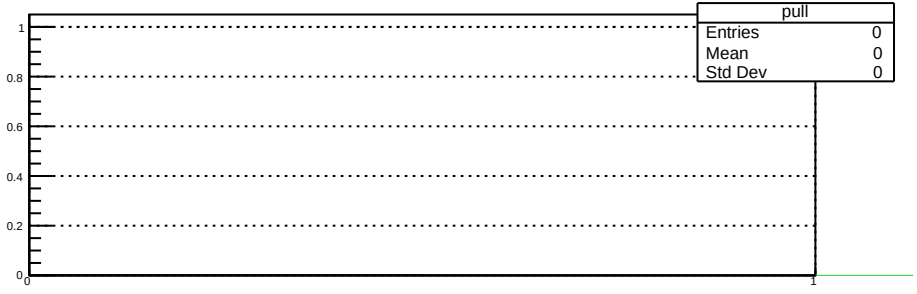

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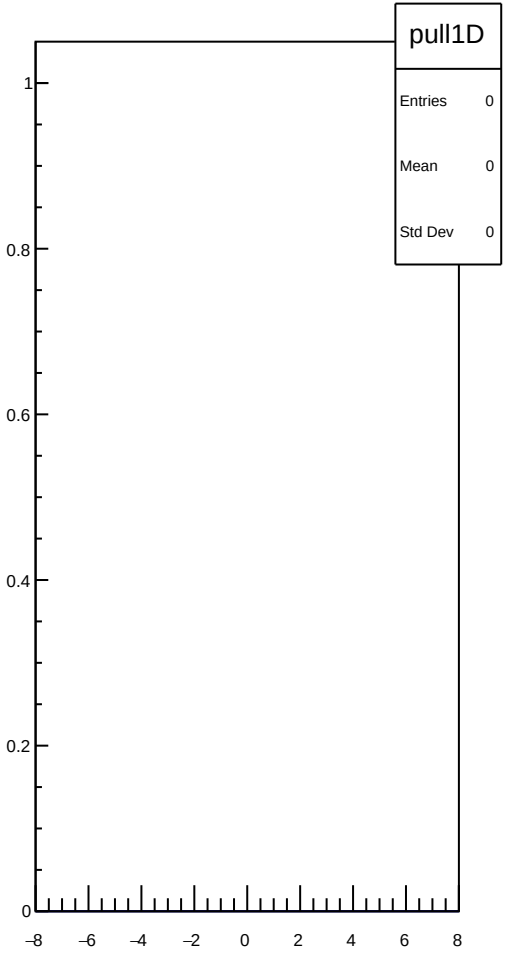

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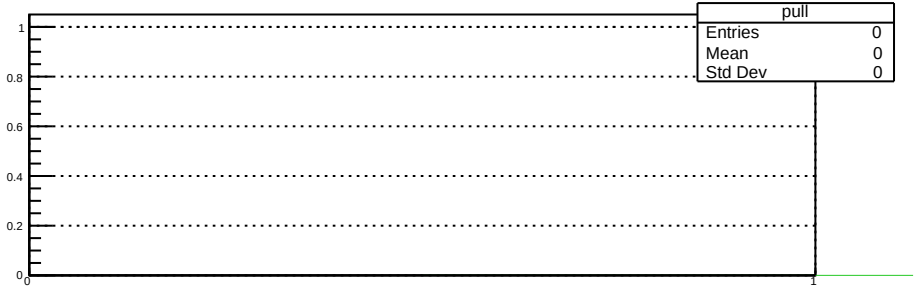

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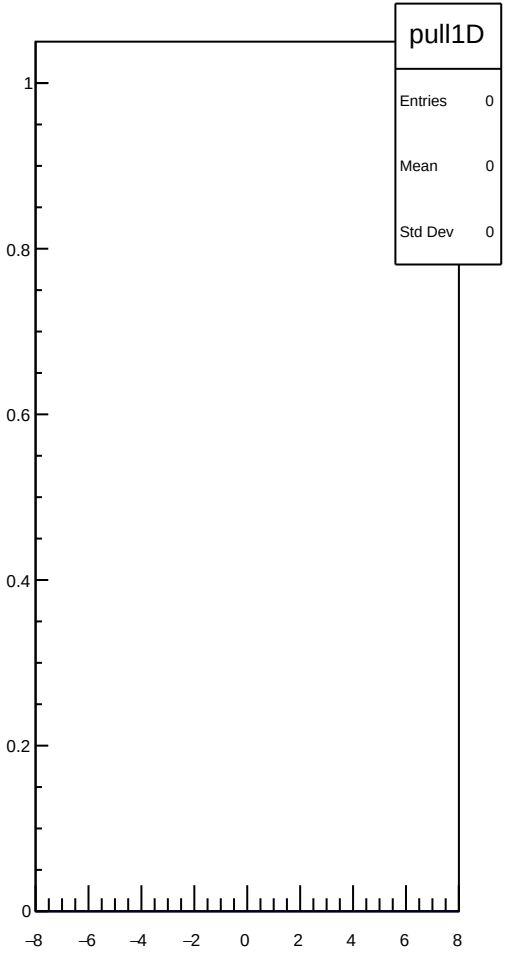

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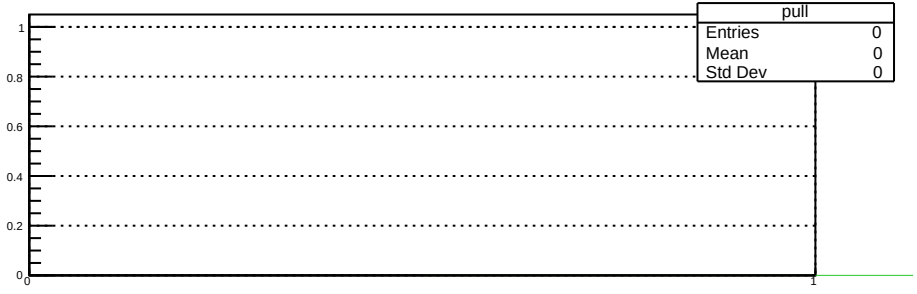

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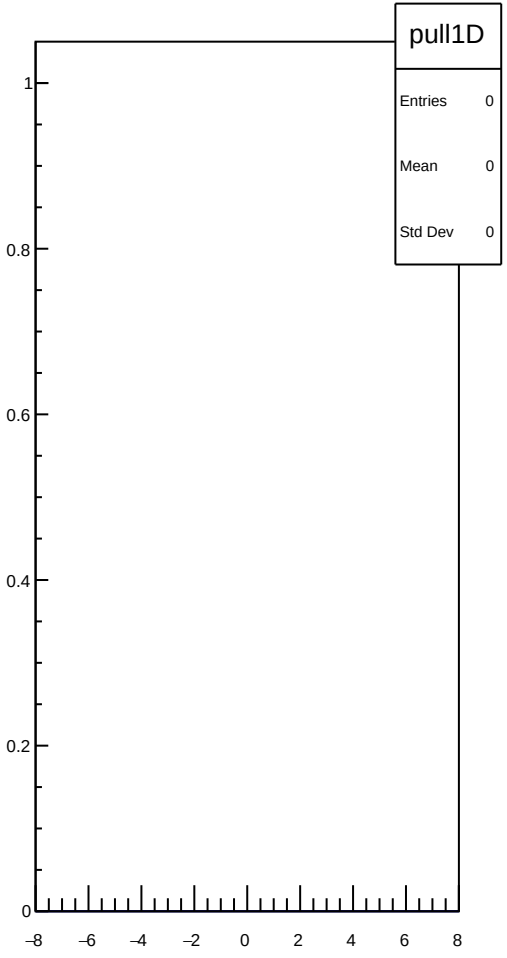

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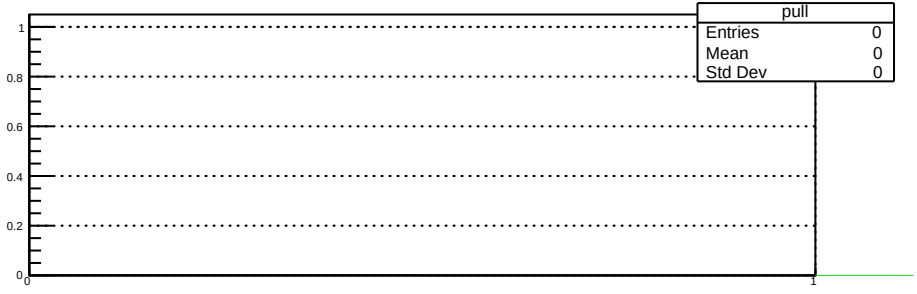

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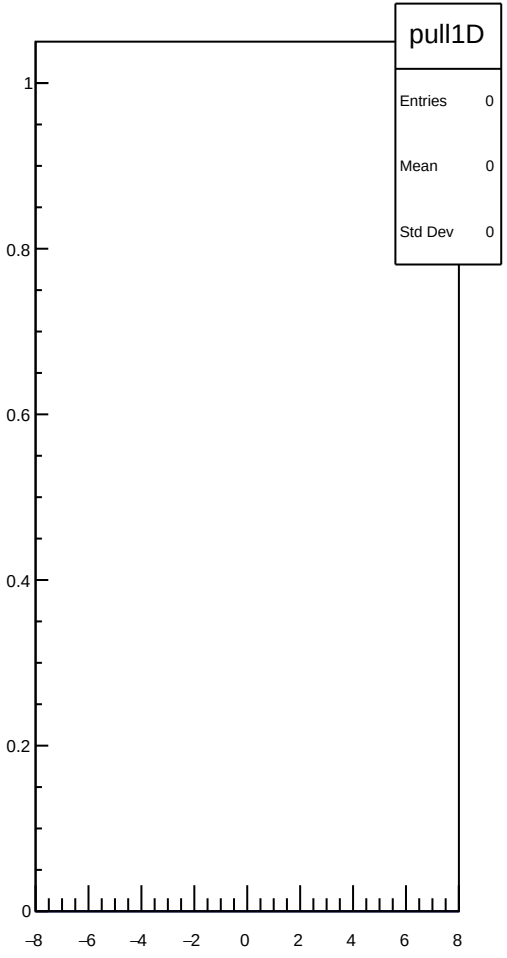

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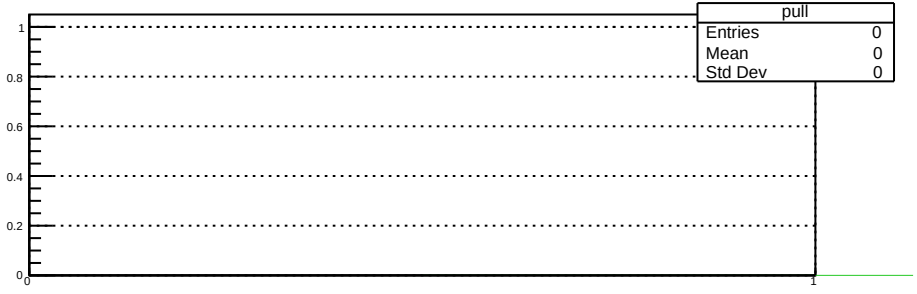

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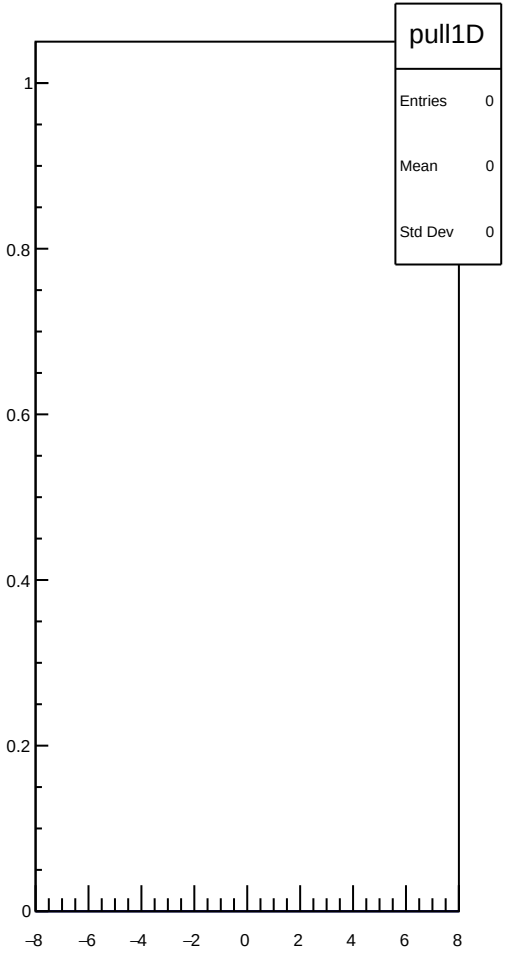

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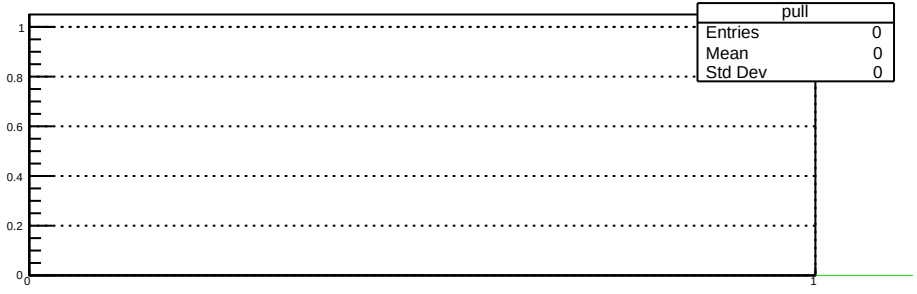

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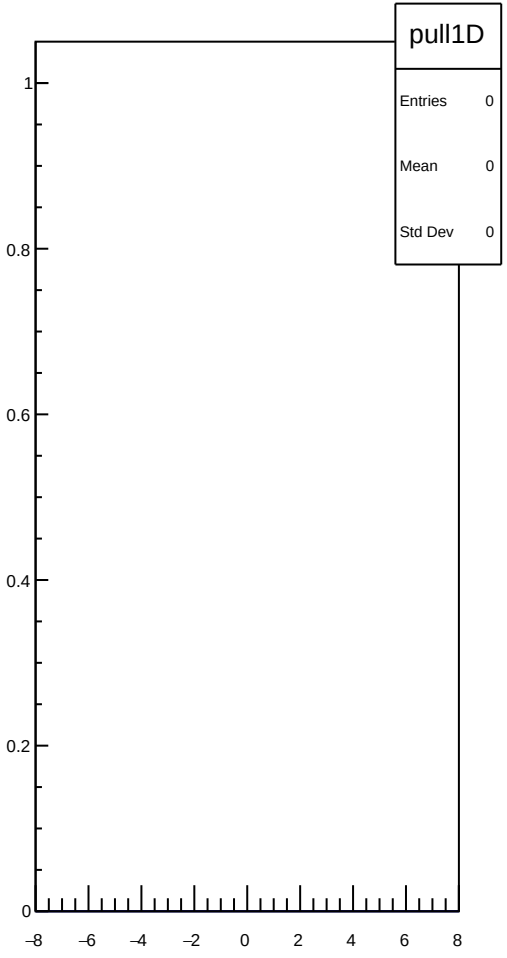

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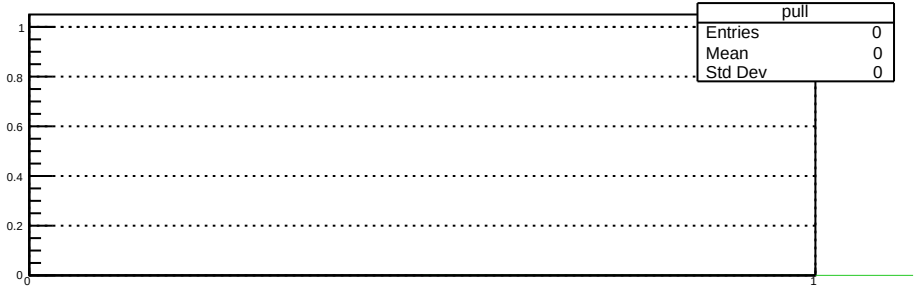

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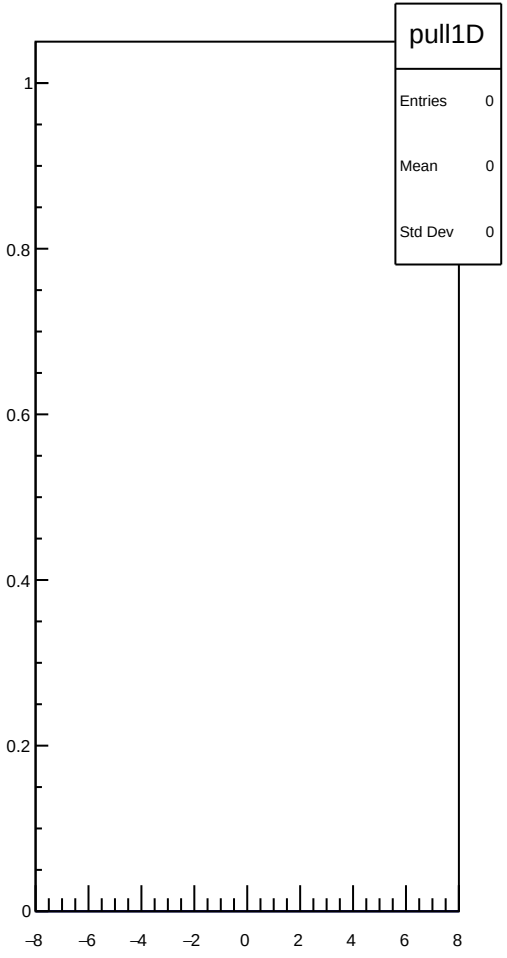

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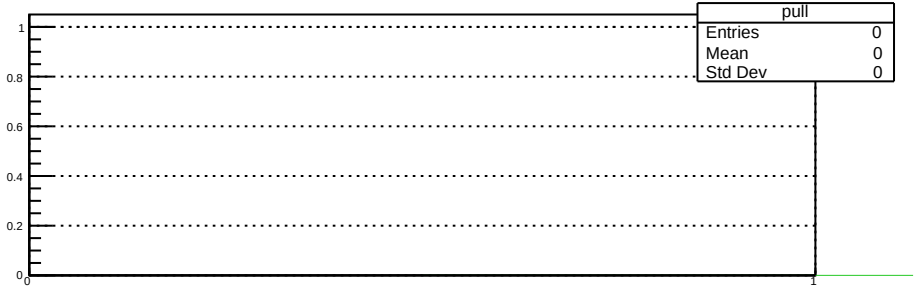

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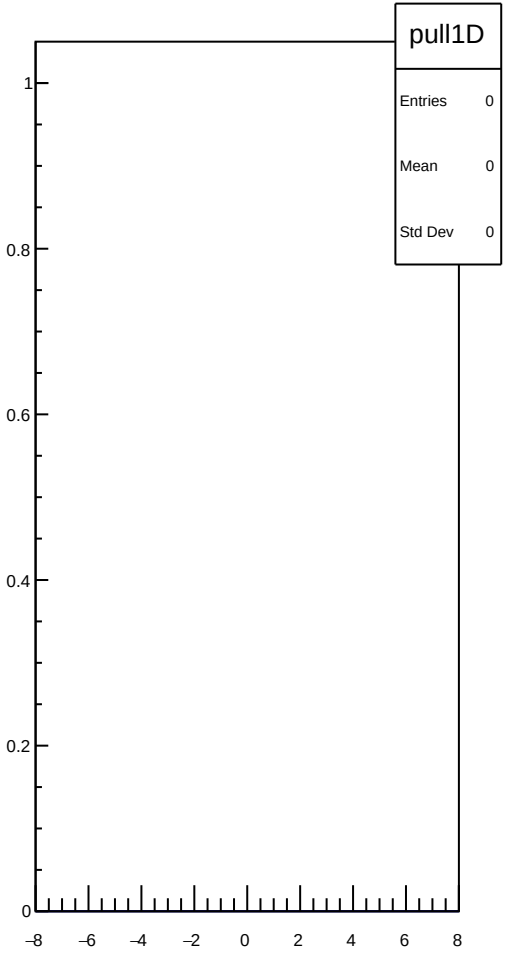

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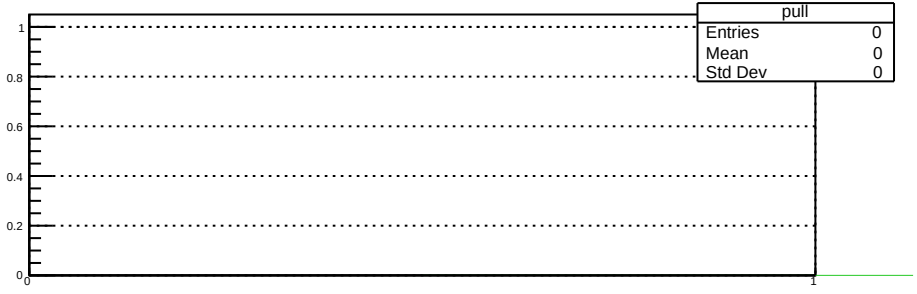

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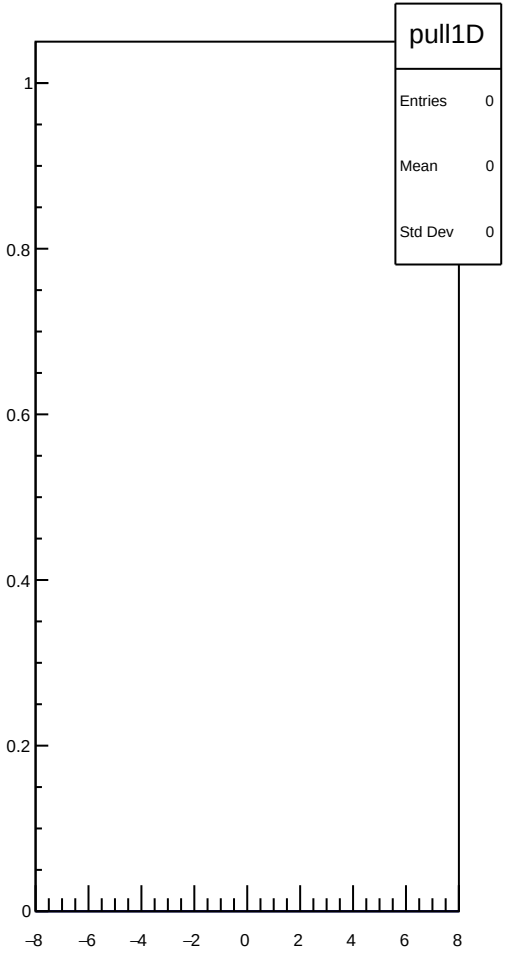

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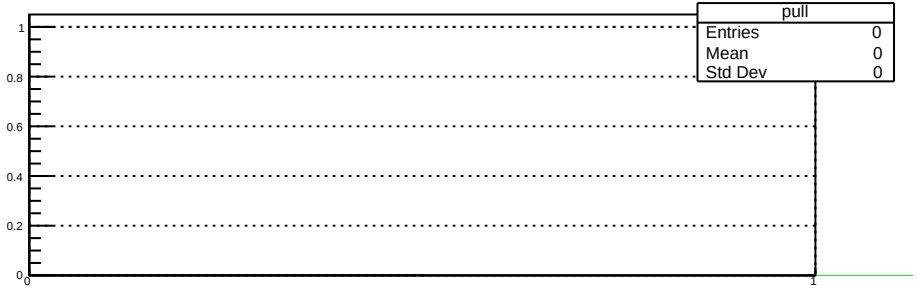

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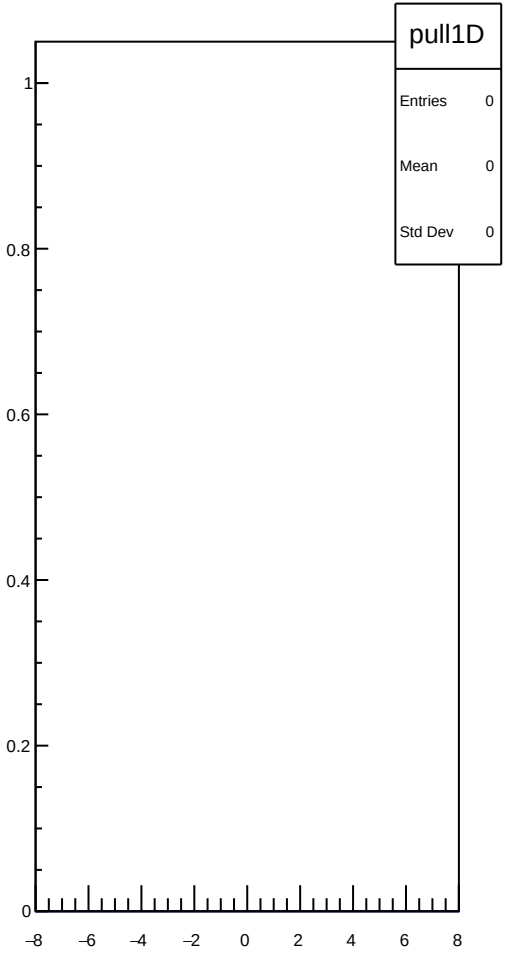

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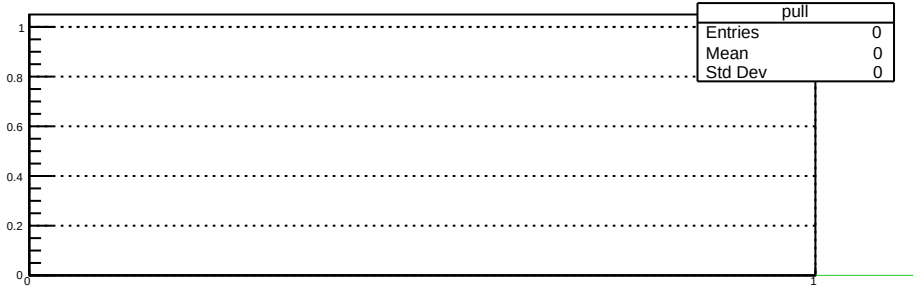

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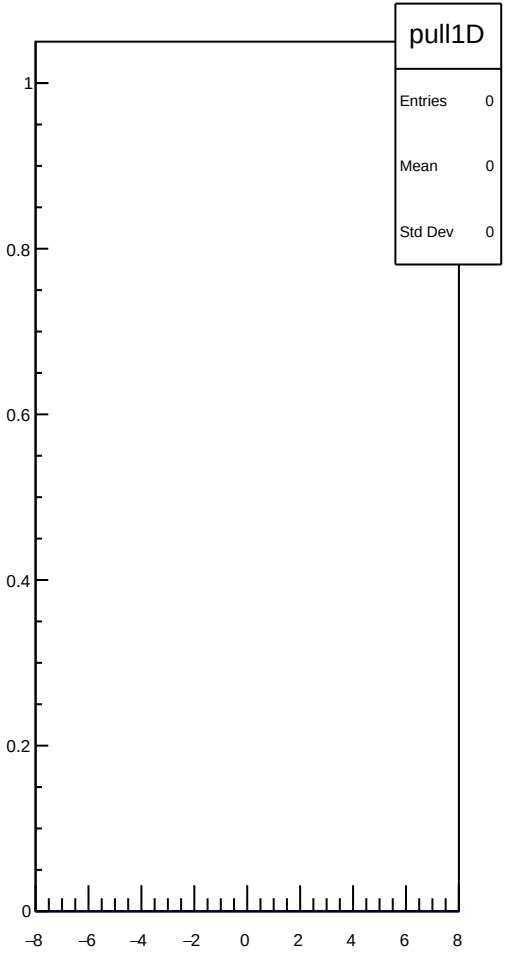

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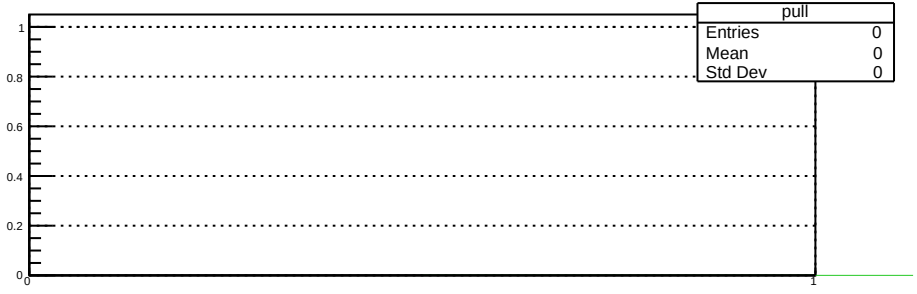

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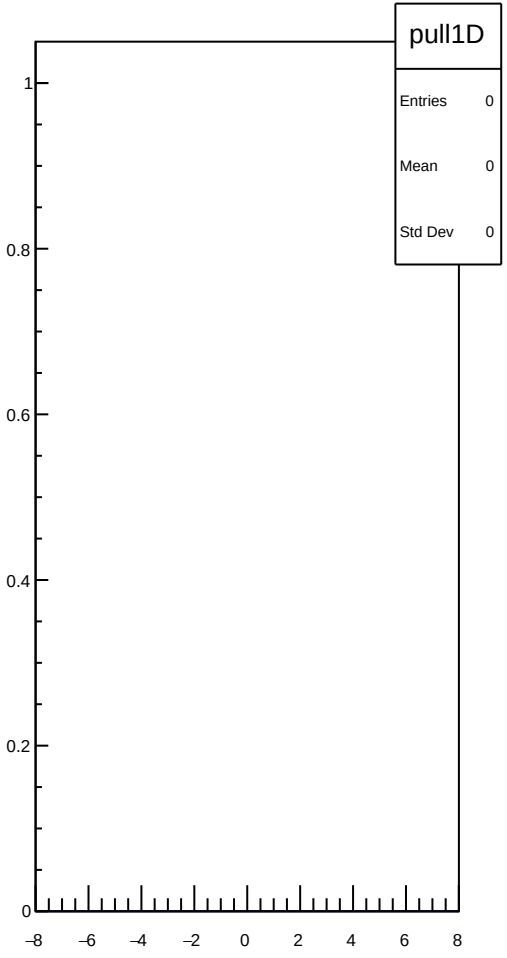

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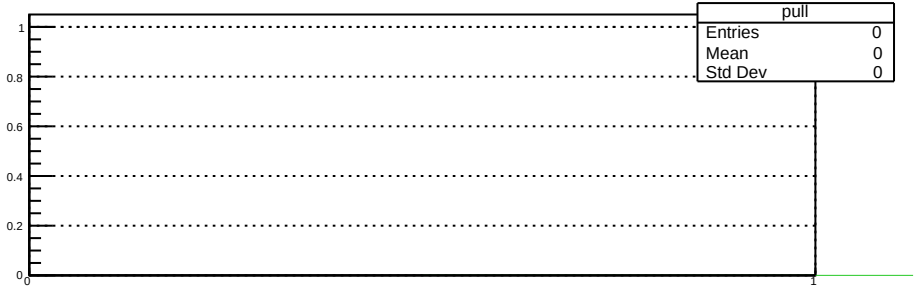

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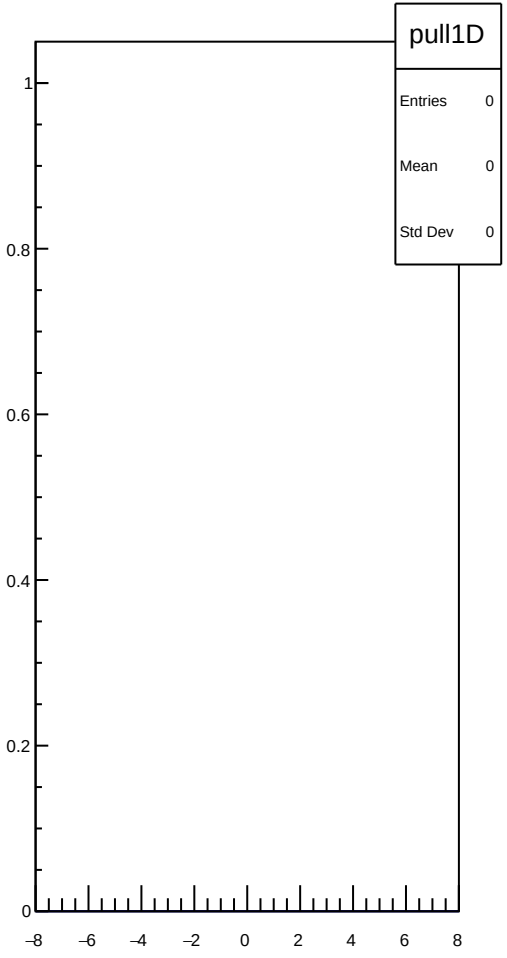

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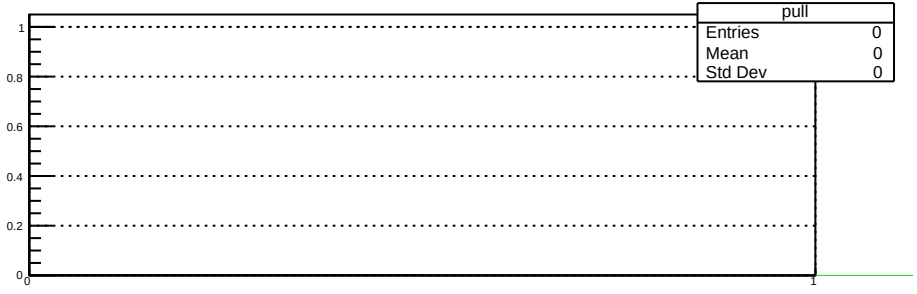

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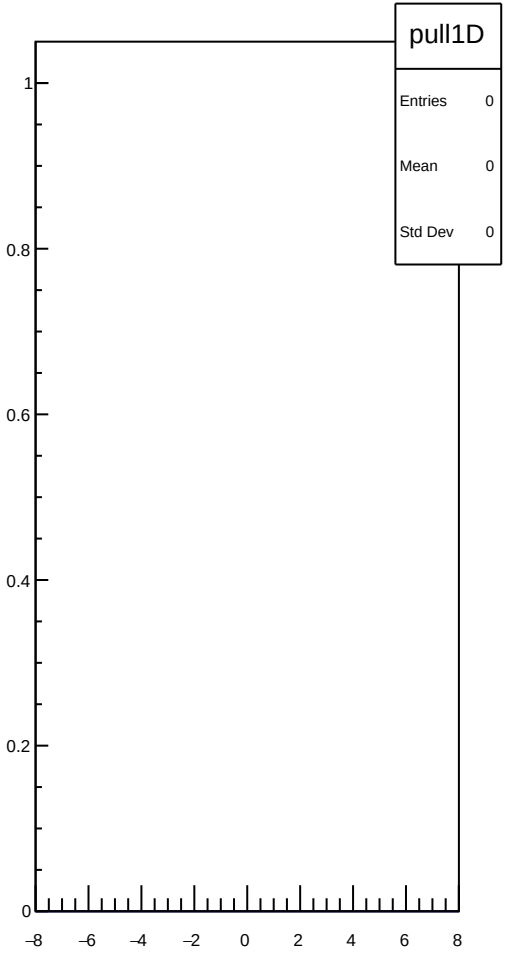

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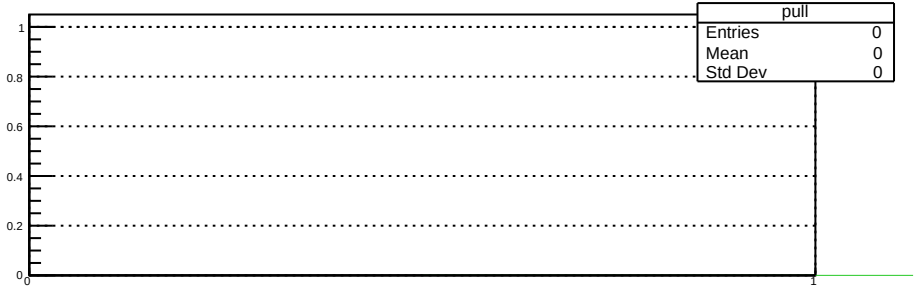

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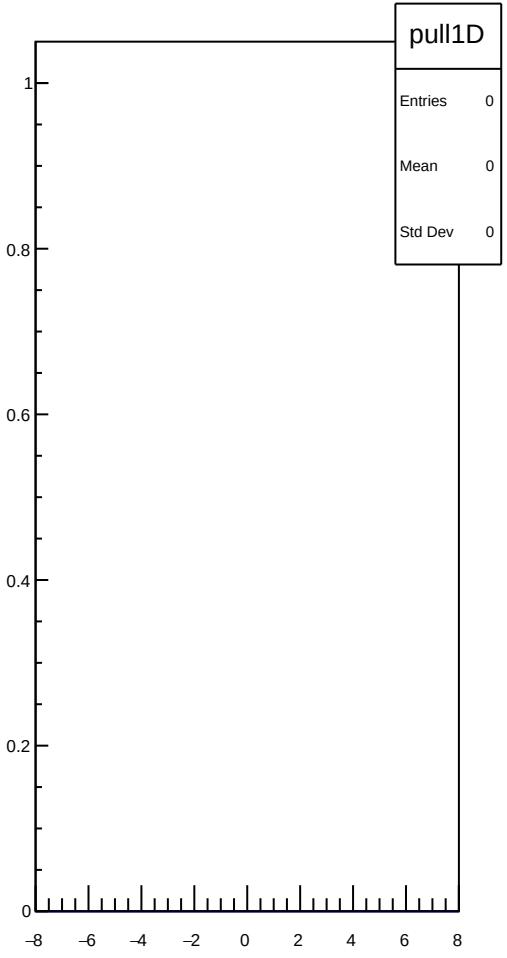

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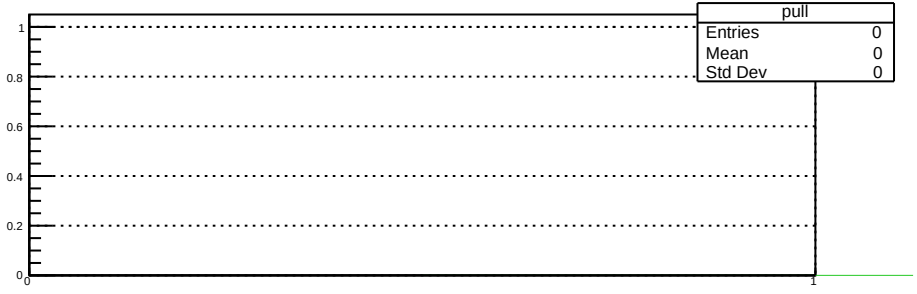

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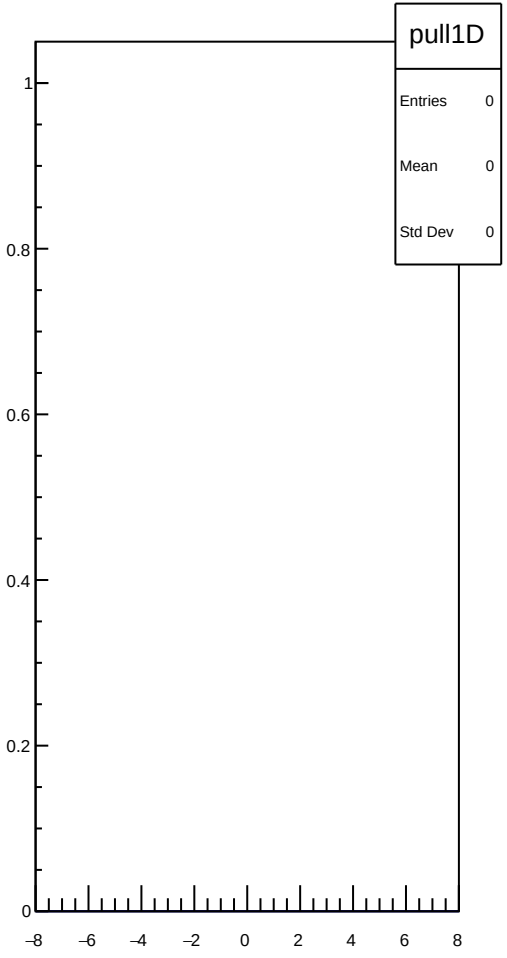

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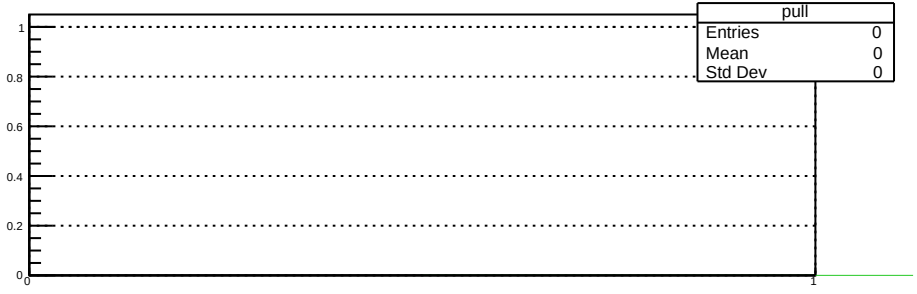

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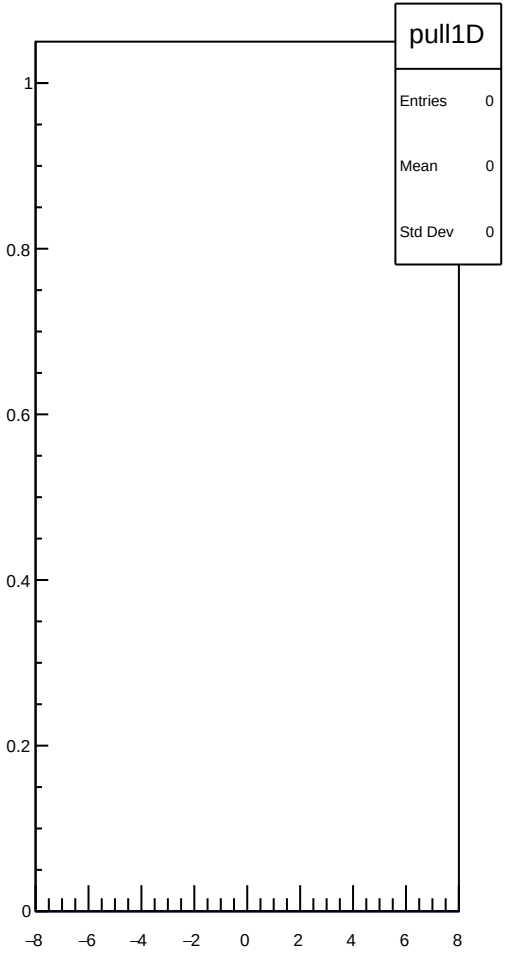

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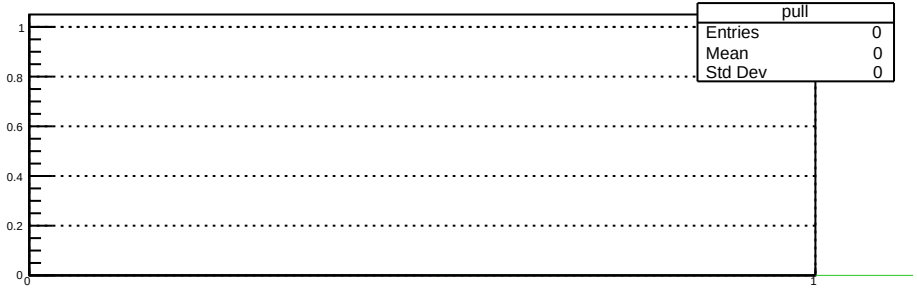

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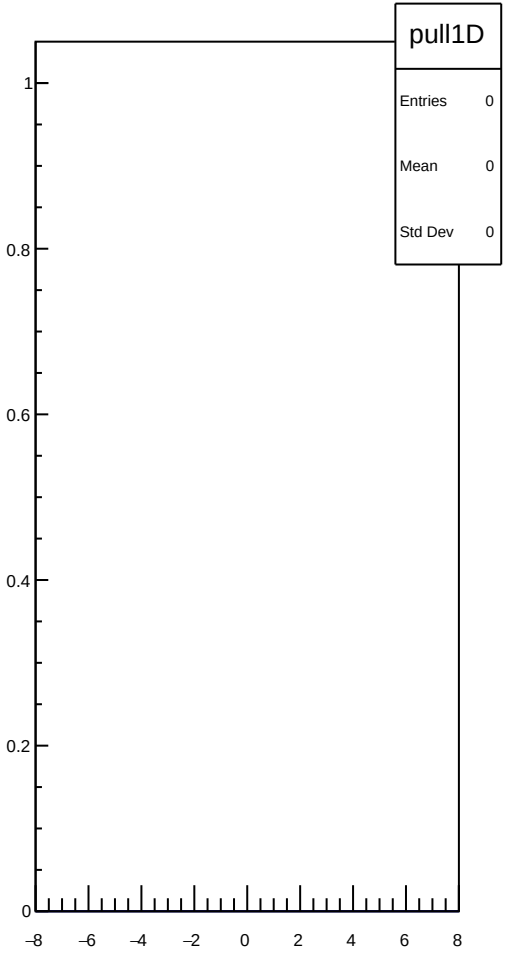

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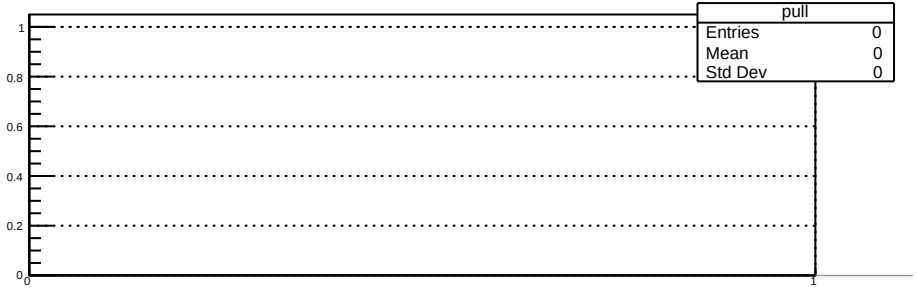

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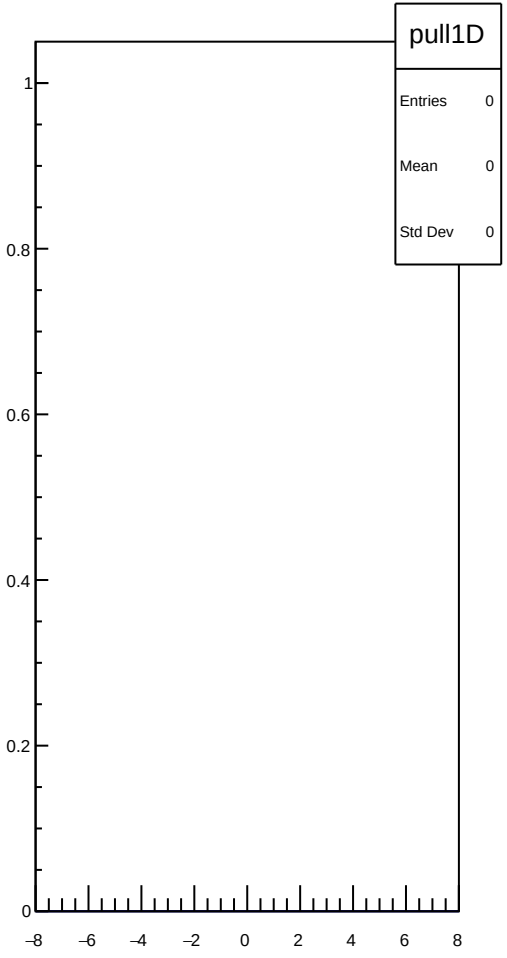

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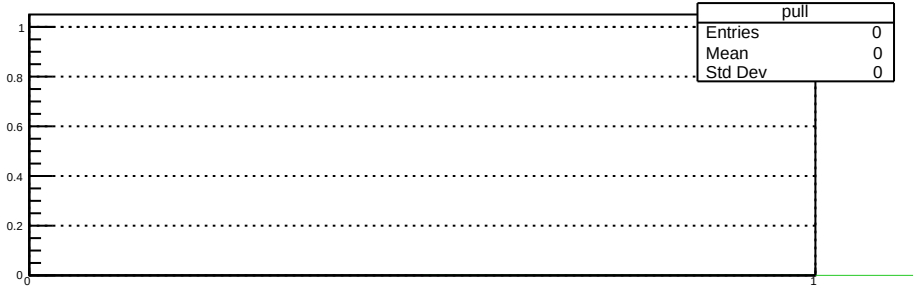

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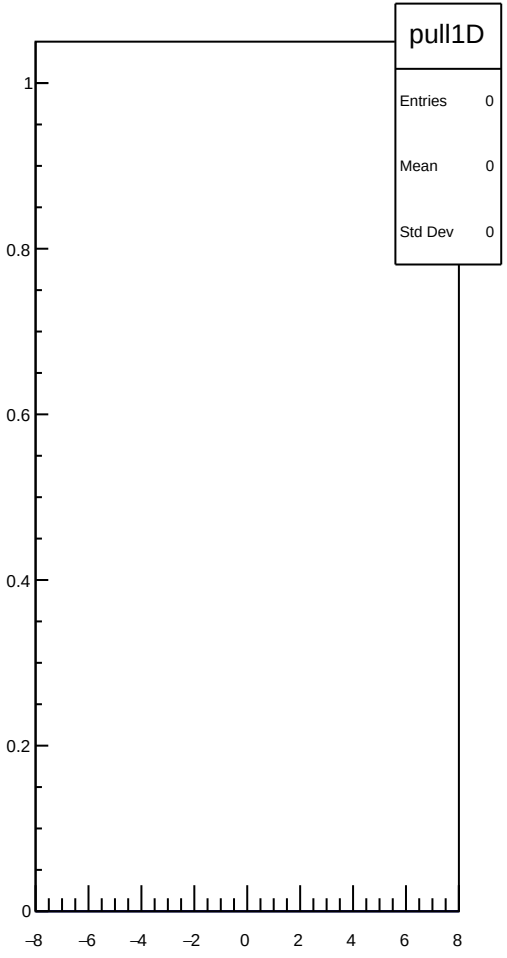

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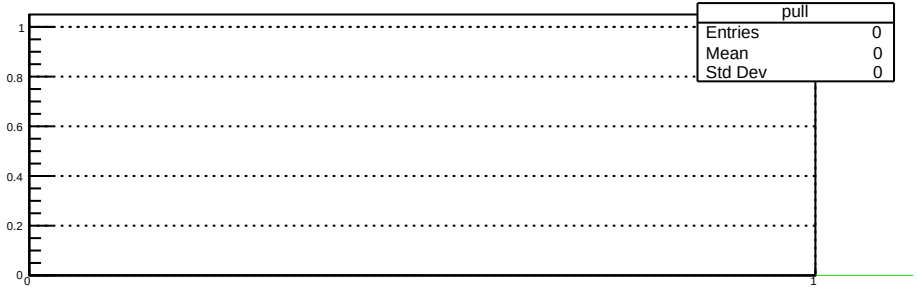

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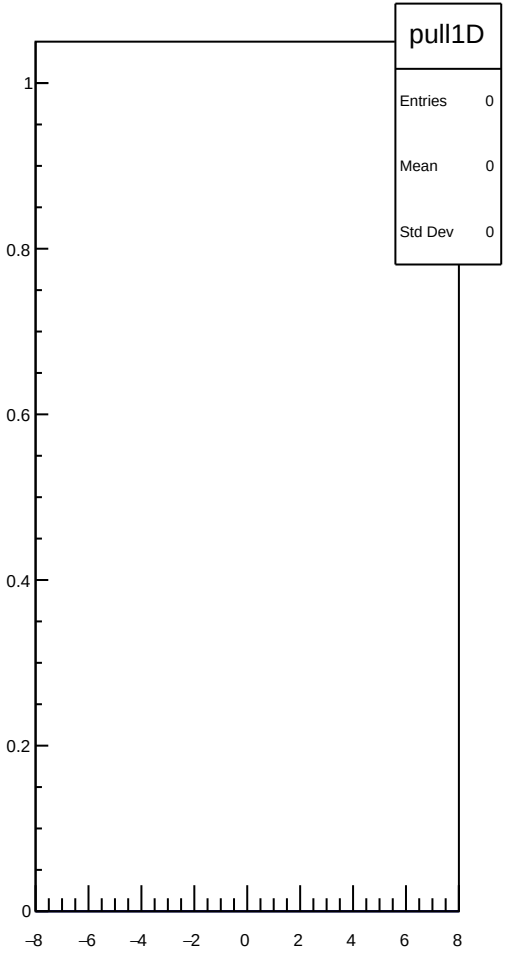

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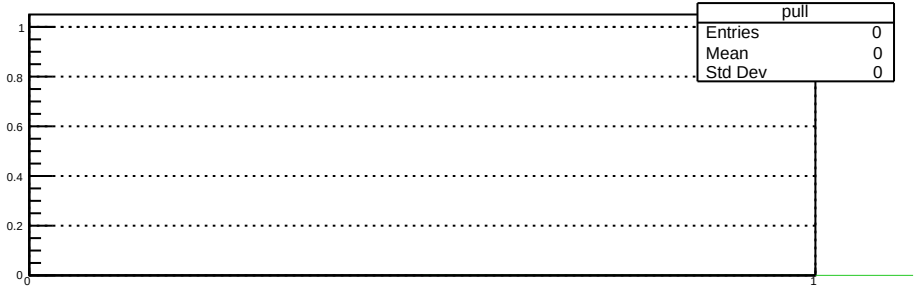

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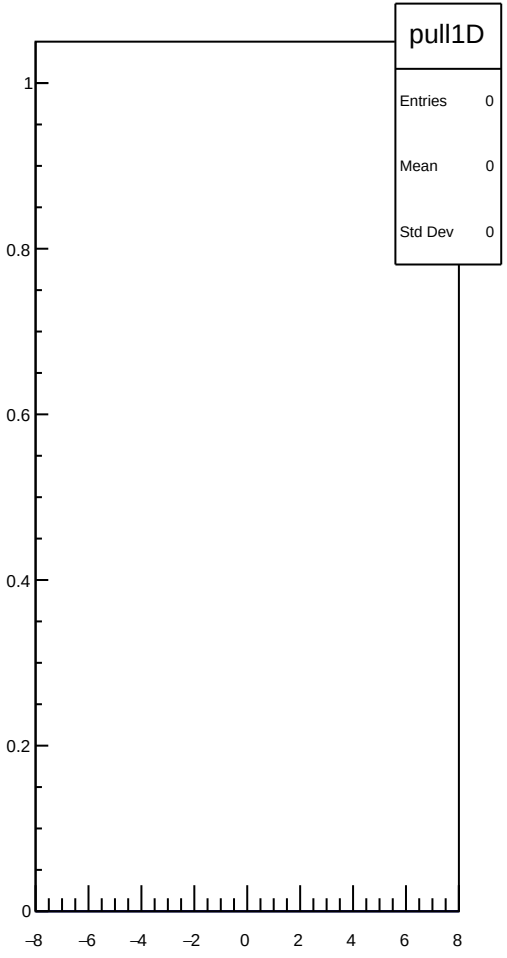

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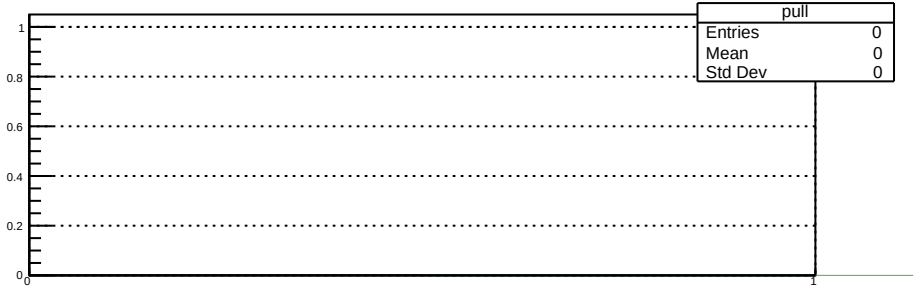

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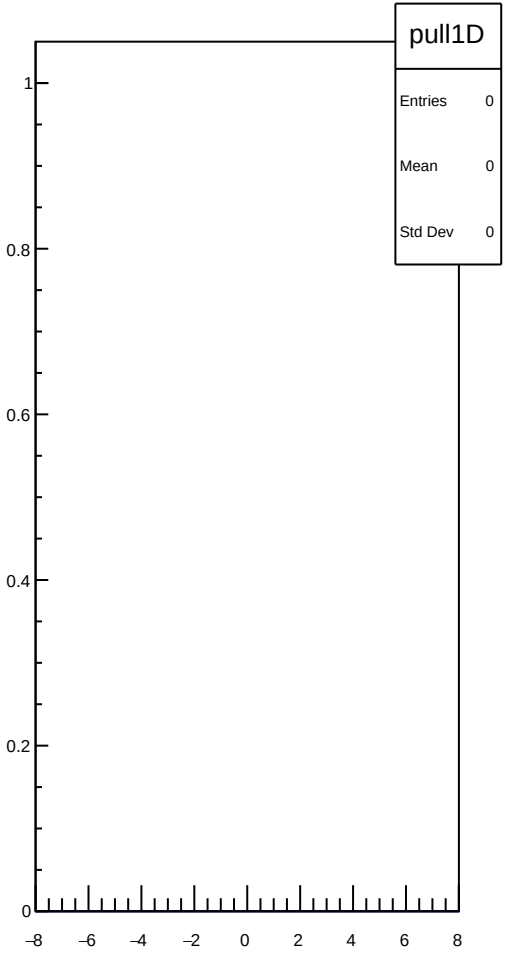

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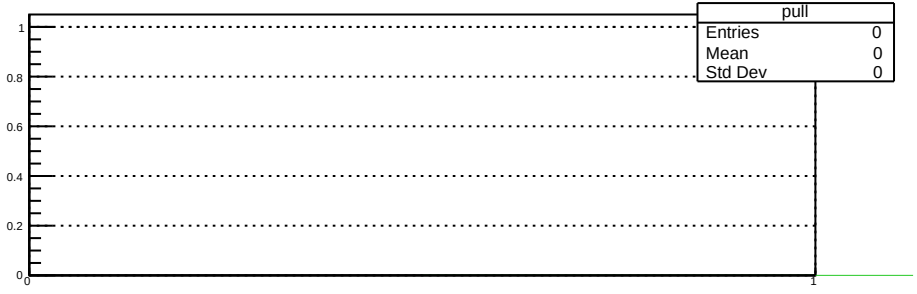

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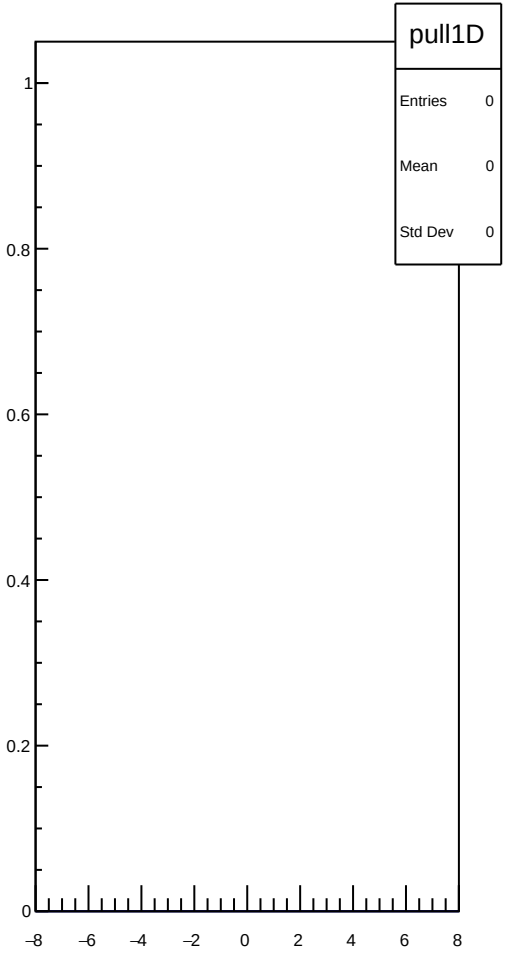

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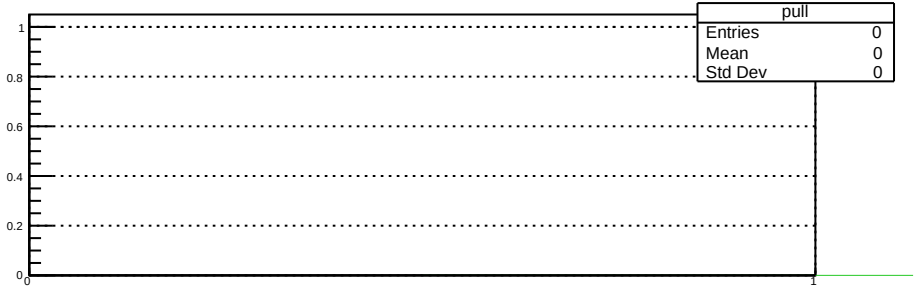

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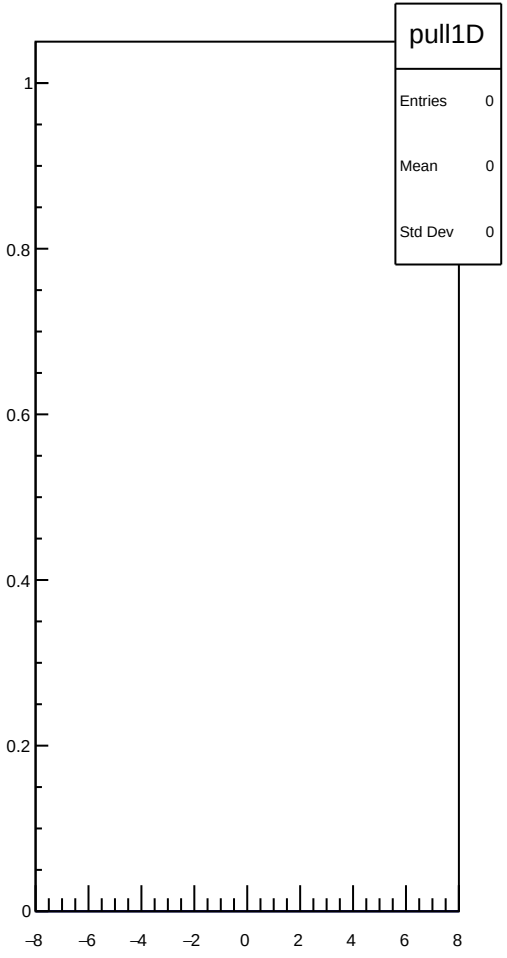

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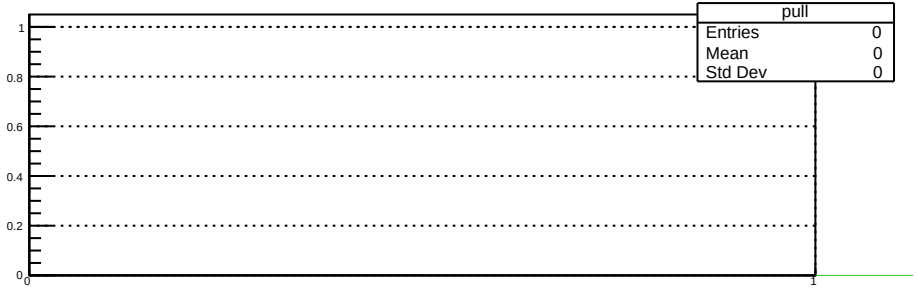

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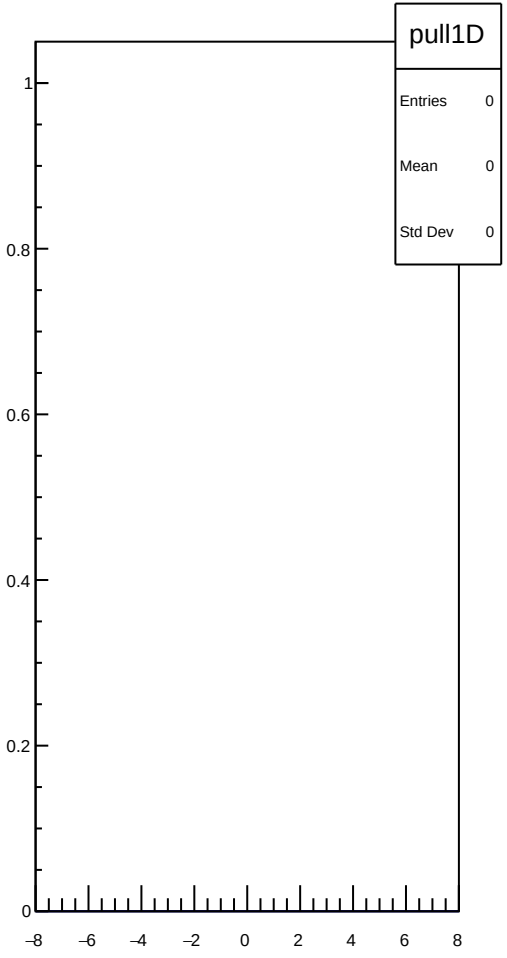

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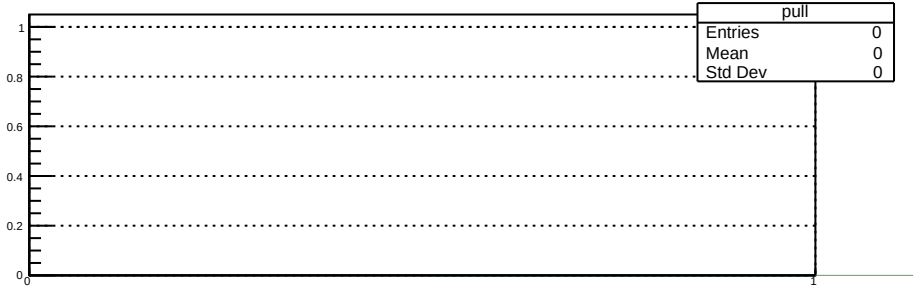

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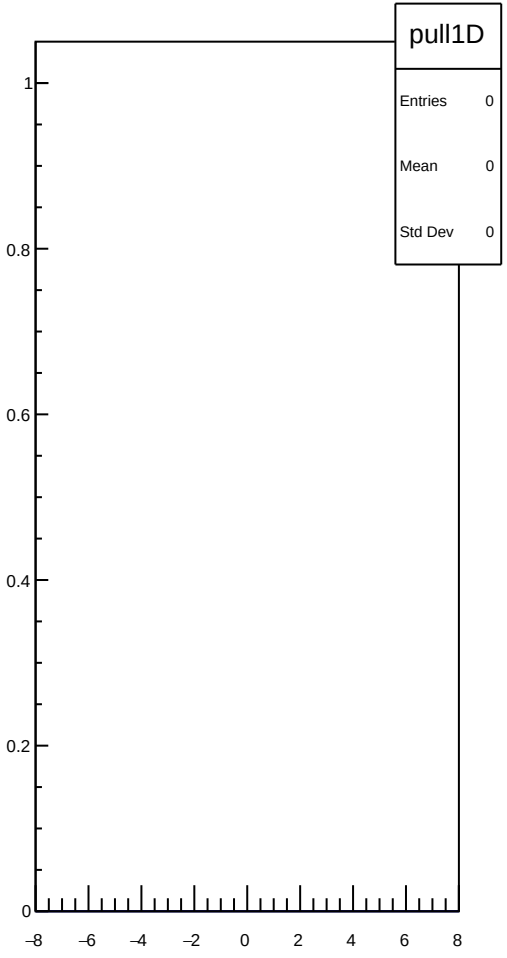

pull
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Mean 0
Std Dev 0
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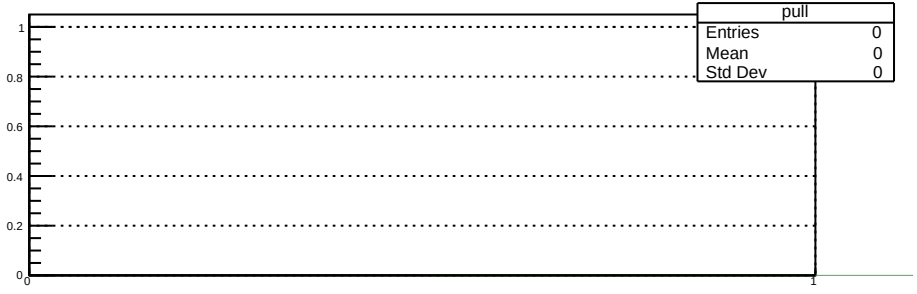

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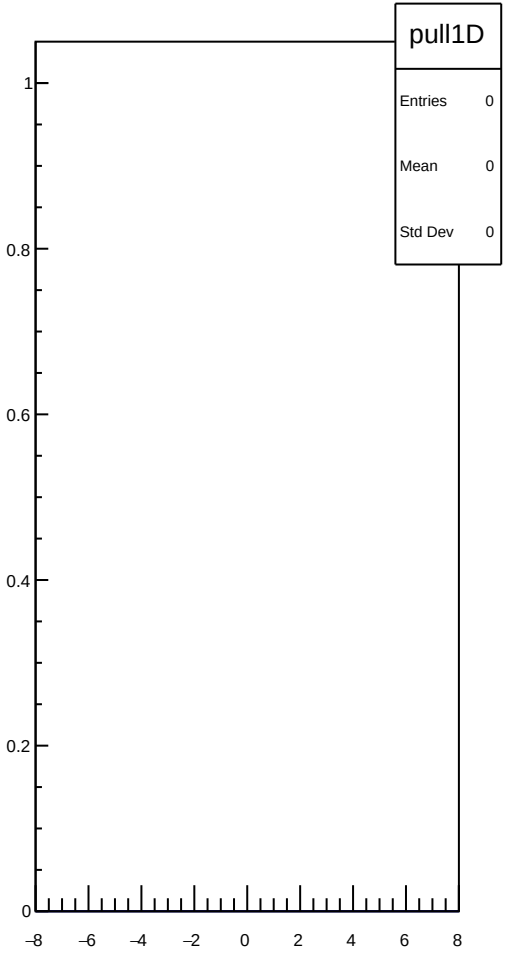

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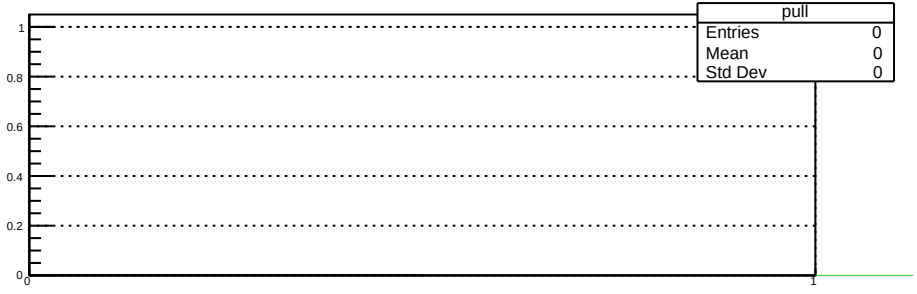

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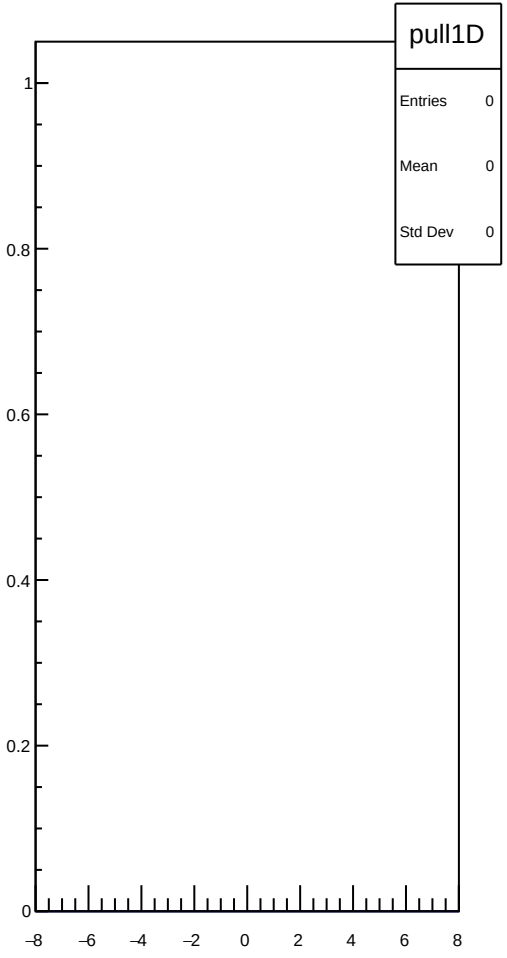

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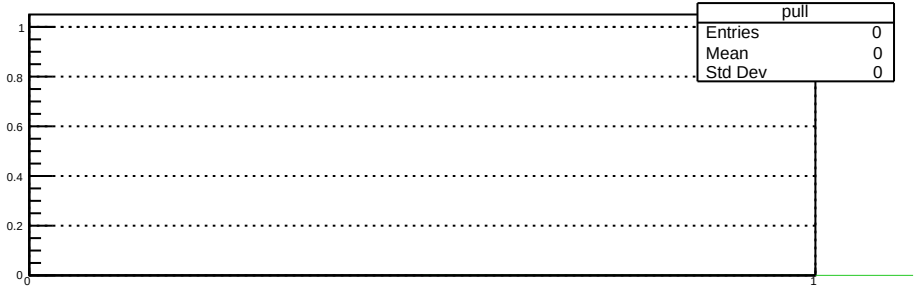

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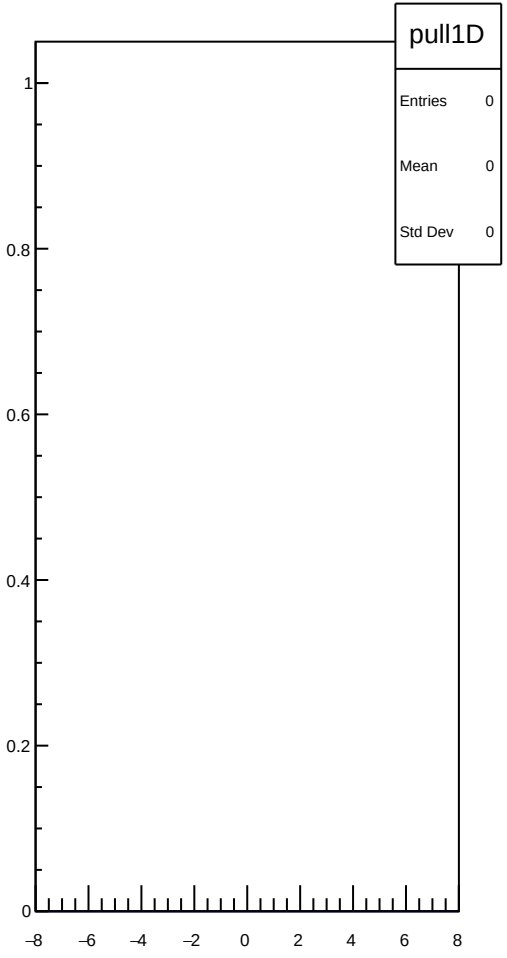

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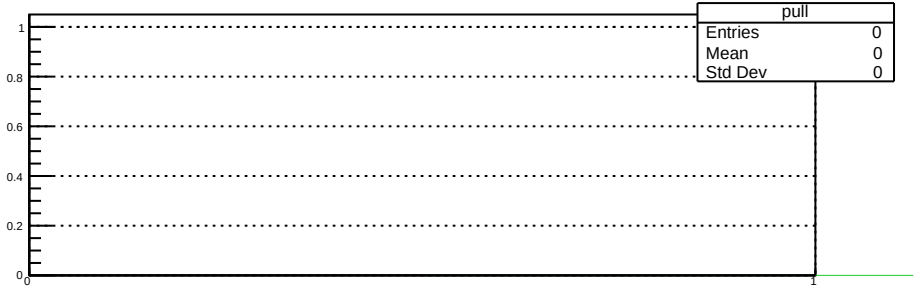

pull1D
Entries 0
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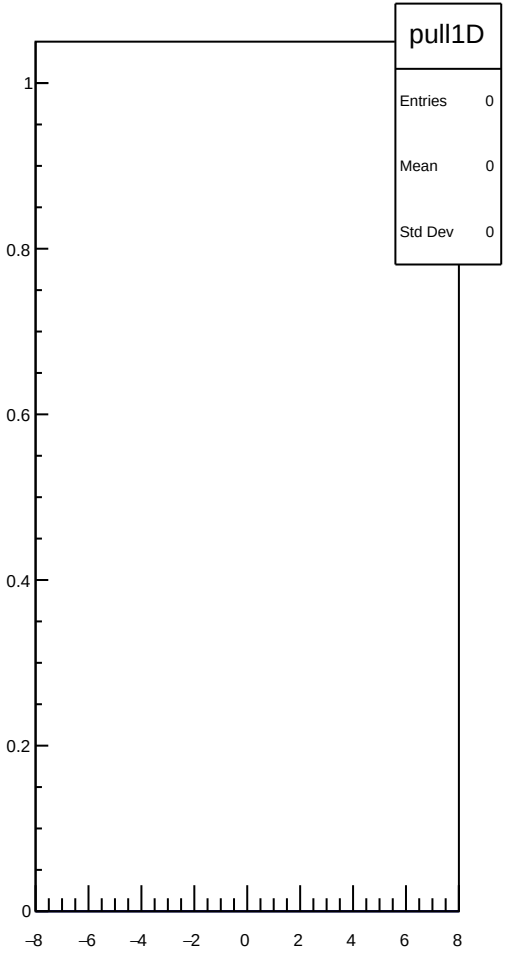

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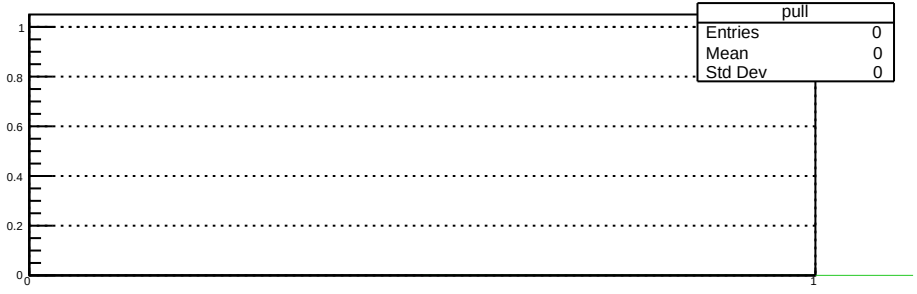

pull1D
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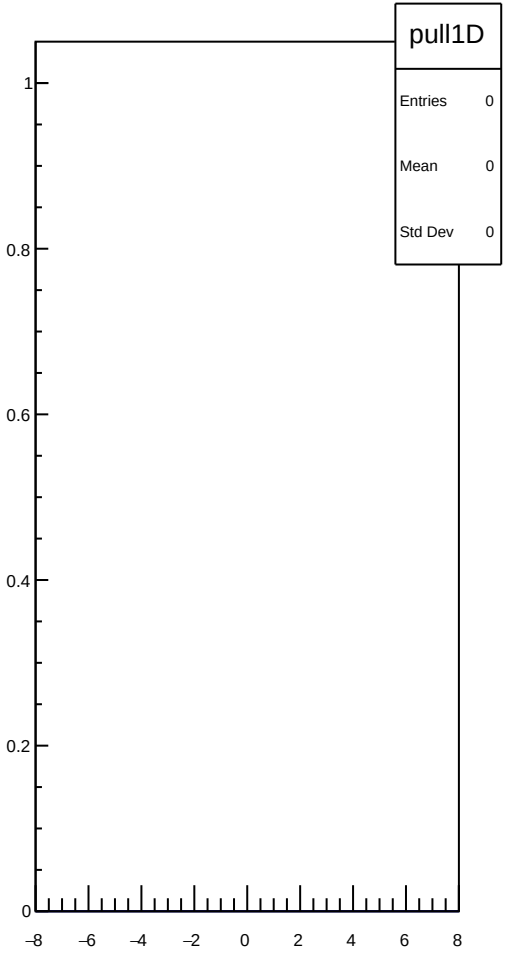

pull
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Std Dev 0
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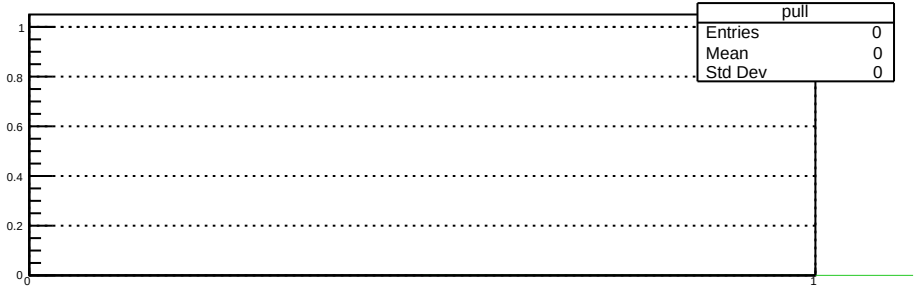

pull1D
Entries 0
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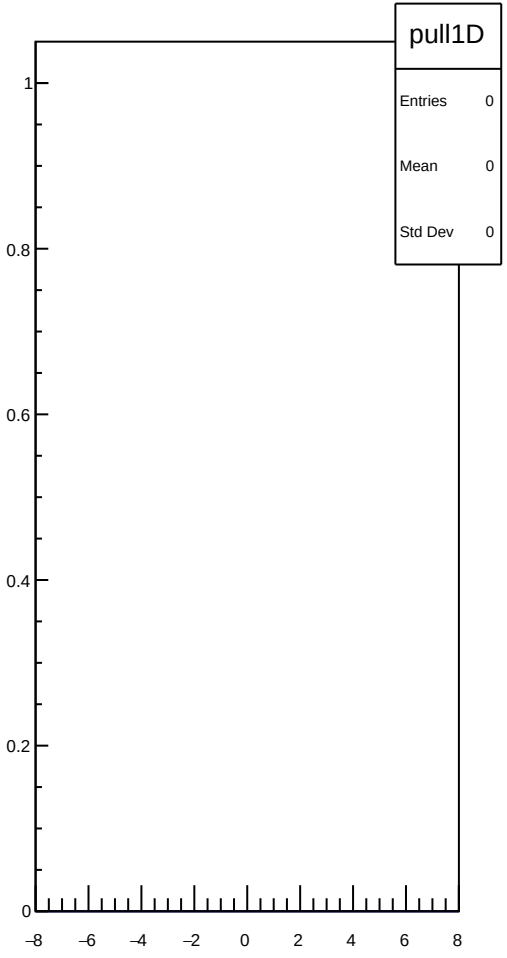

pull
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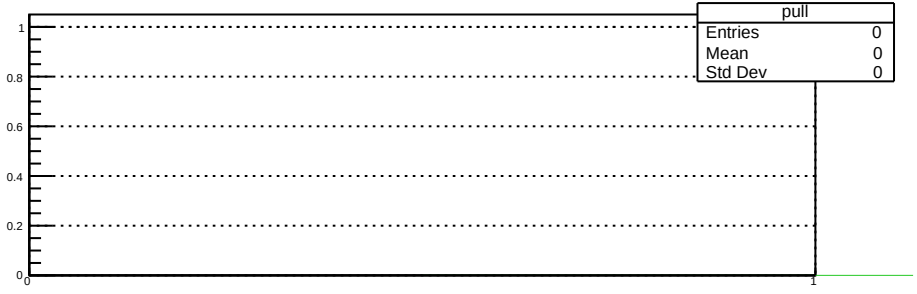

pull1D
Entries 0
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Std Dev 0
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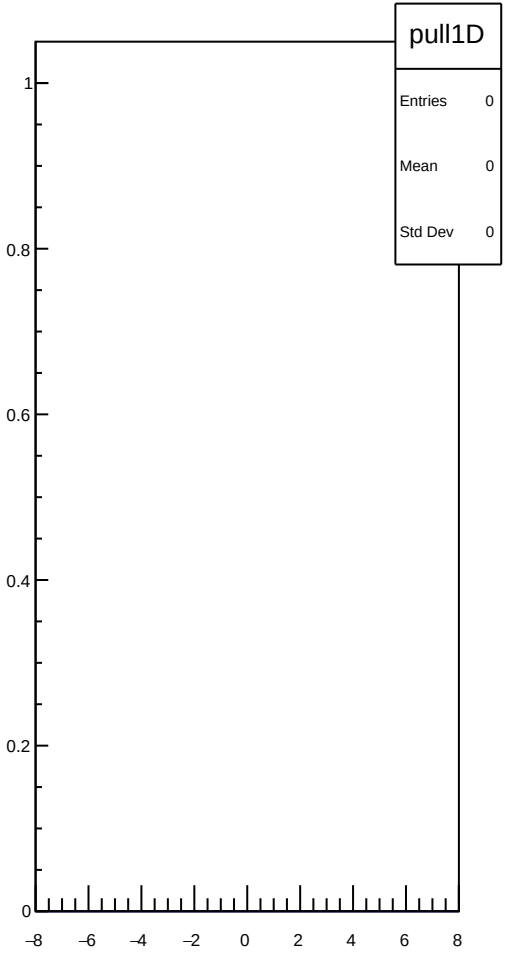

pull
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Std Dev 0
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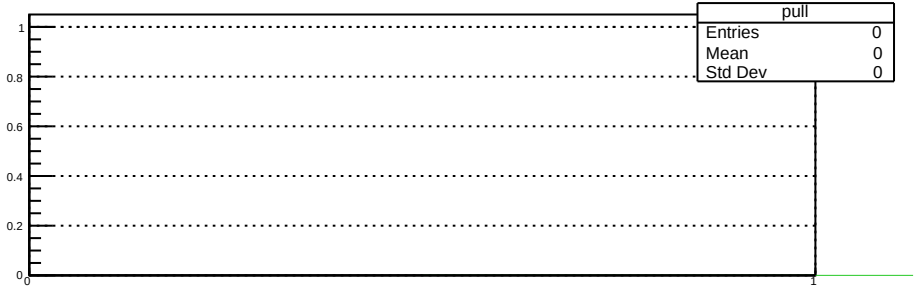

pull1D
Entries 0
Mean 0
Std Dev 0
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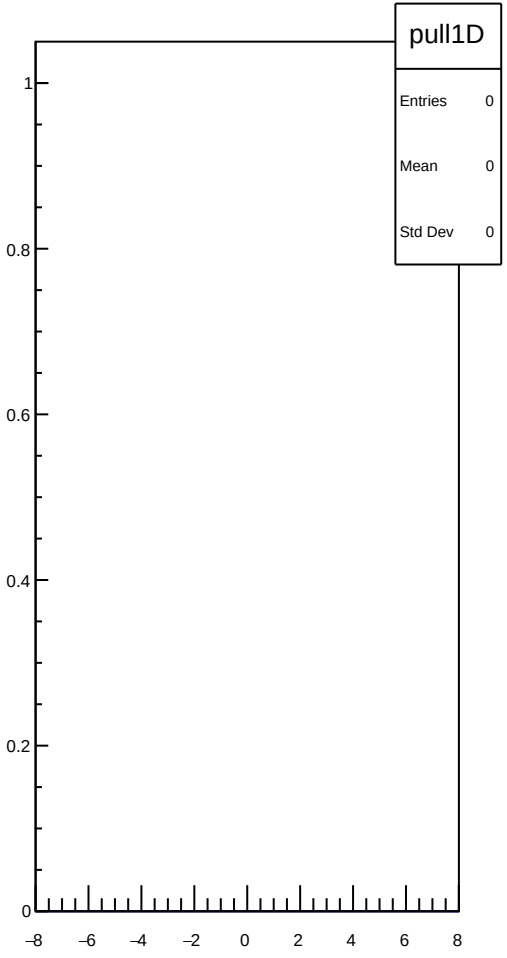

pull
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Std Dev 0
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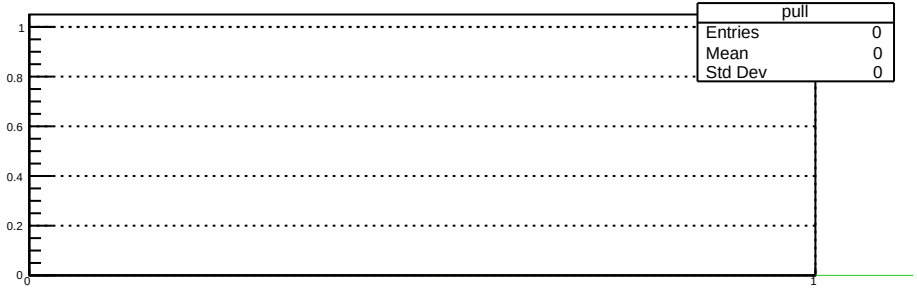

pull1D
Entries 0
Mean 0
Std Dev 0
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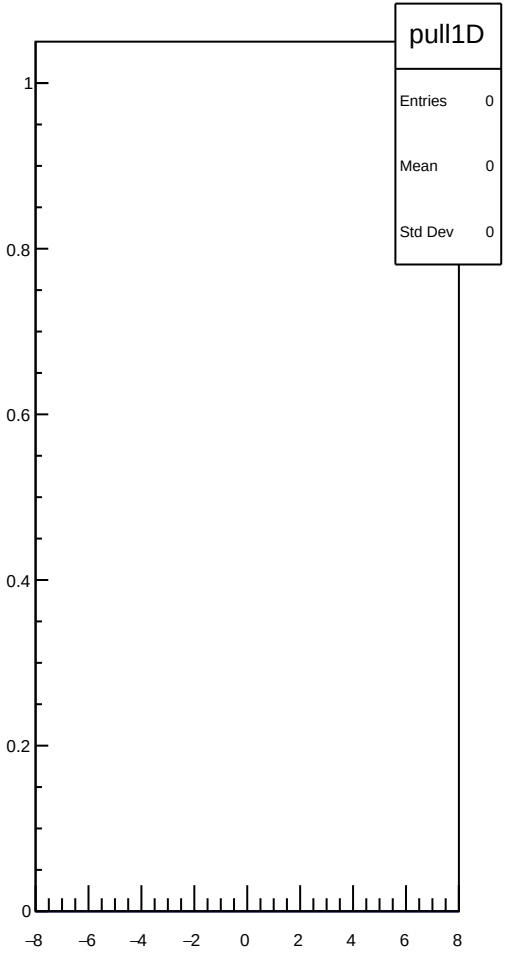

pull
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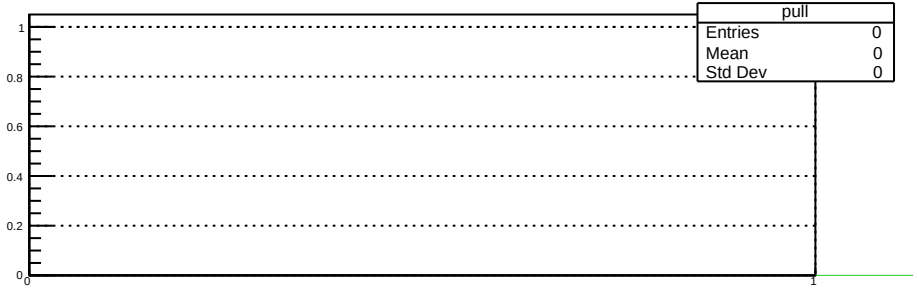

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Entries 0
Mean 0
Std Dev 0
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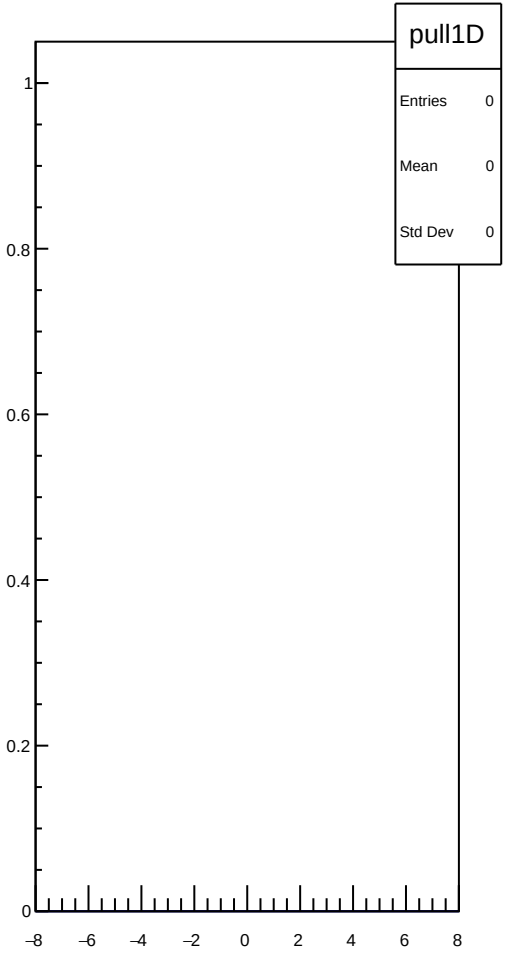

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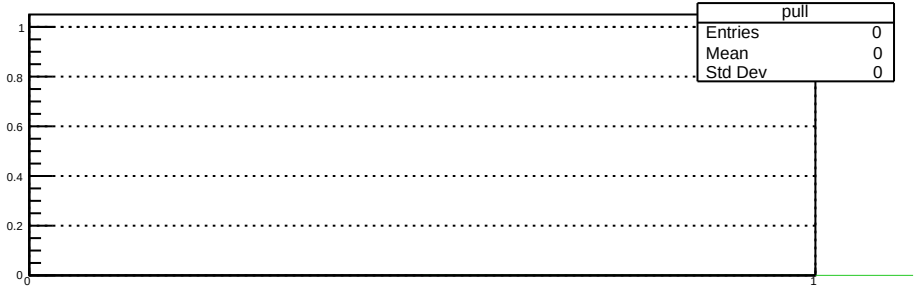

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Mean 0
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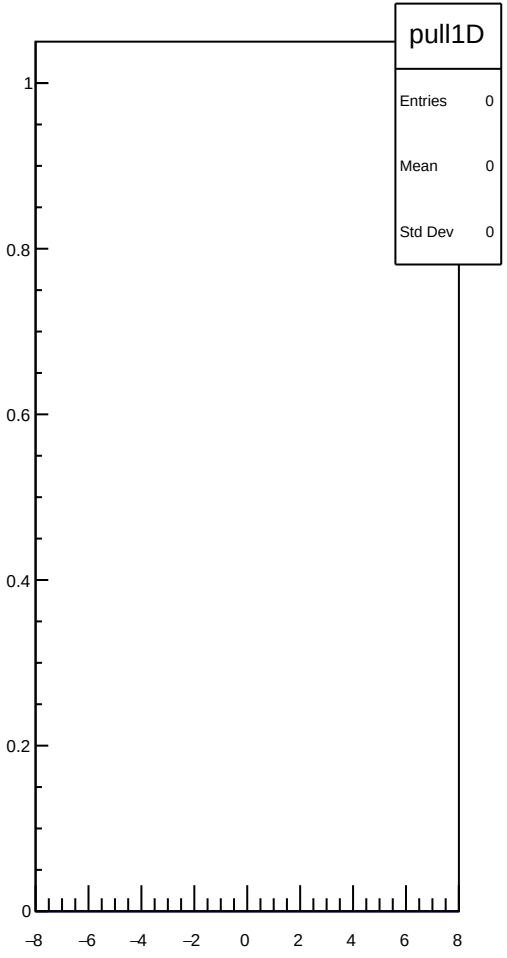

pull
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Mean 0
Std Dev 0
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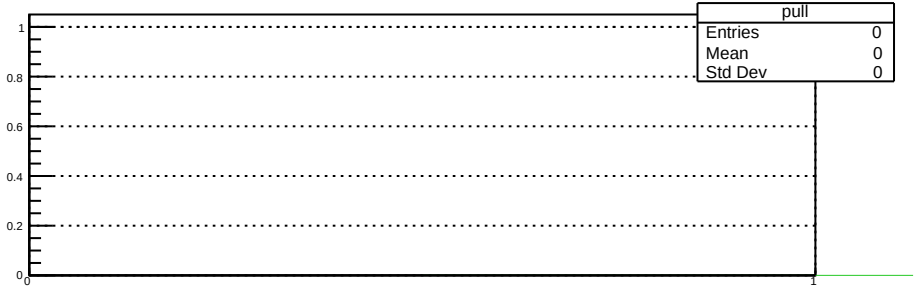

pull1D
Entries 0
Mean 0
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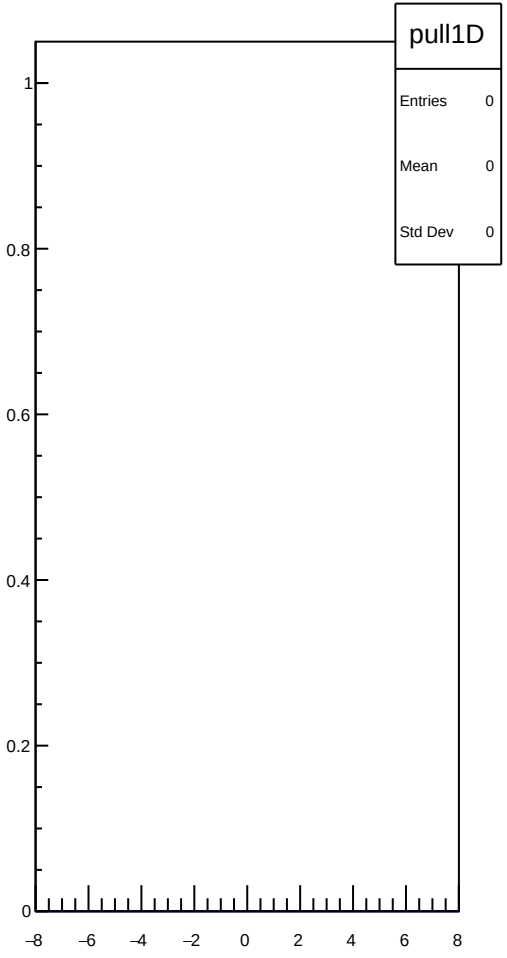

pull
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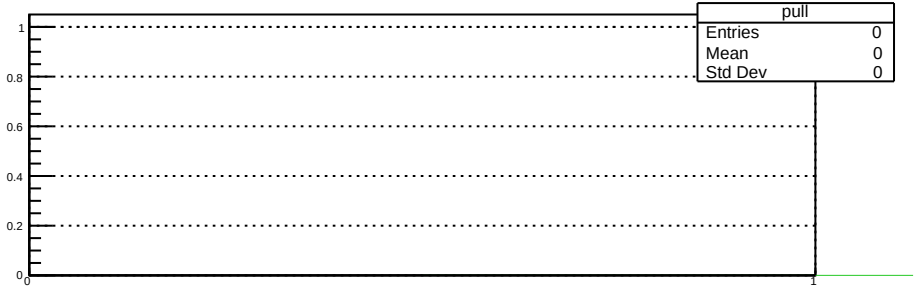

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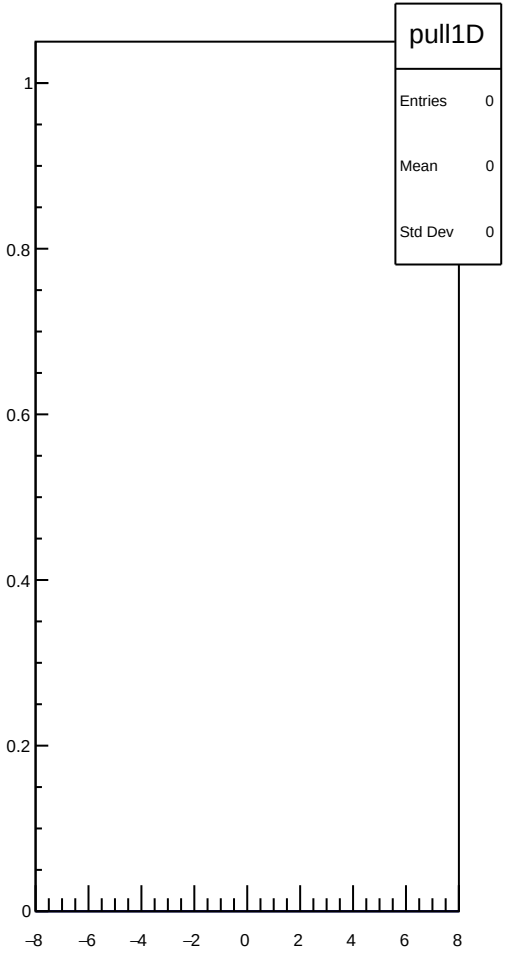

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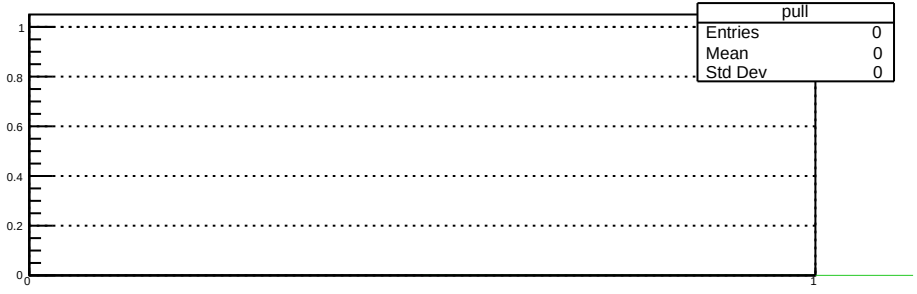

pull1D
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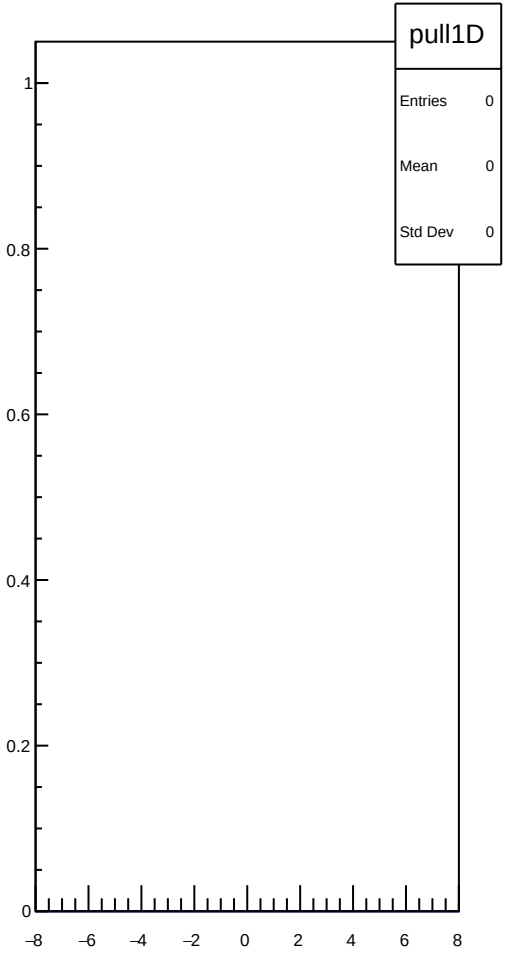

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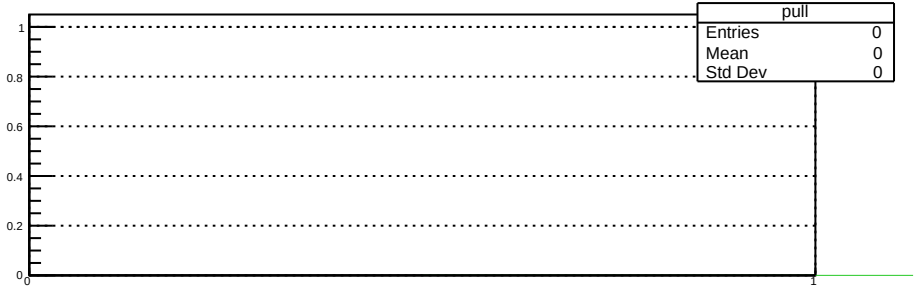

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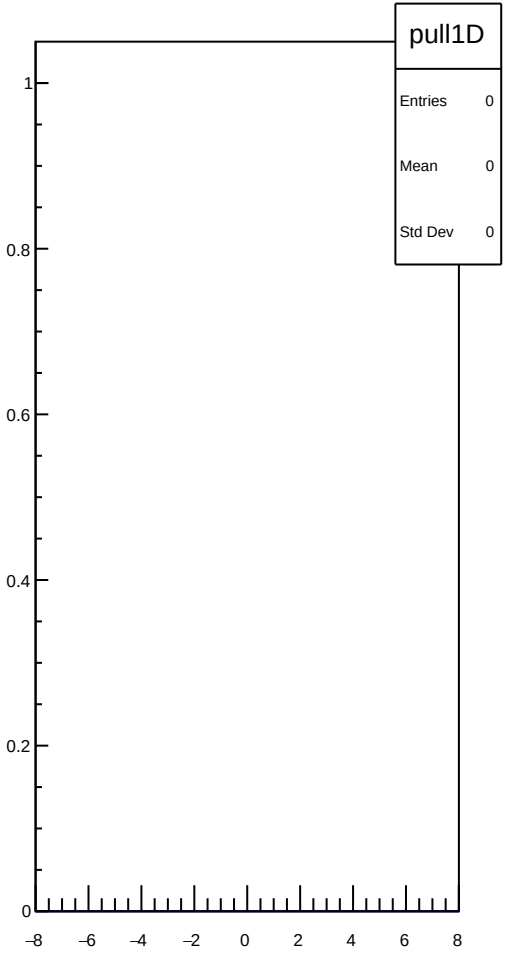

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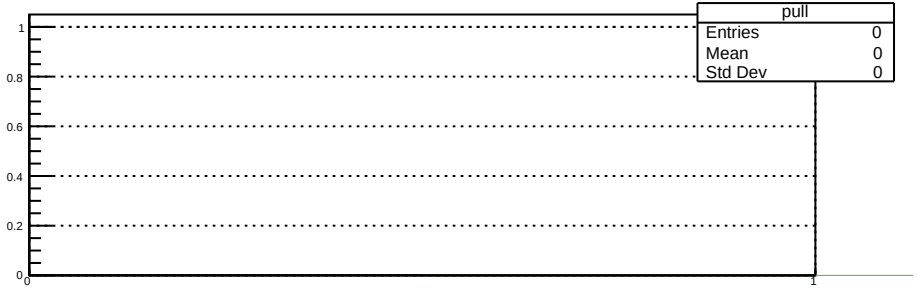

pull1D
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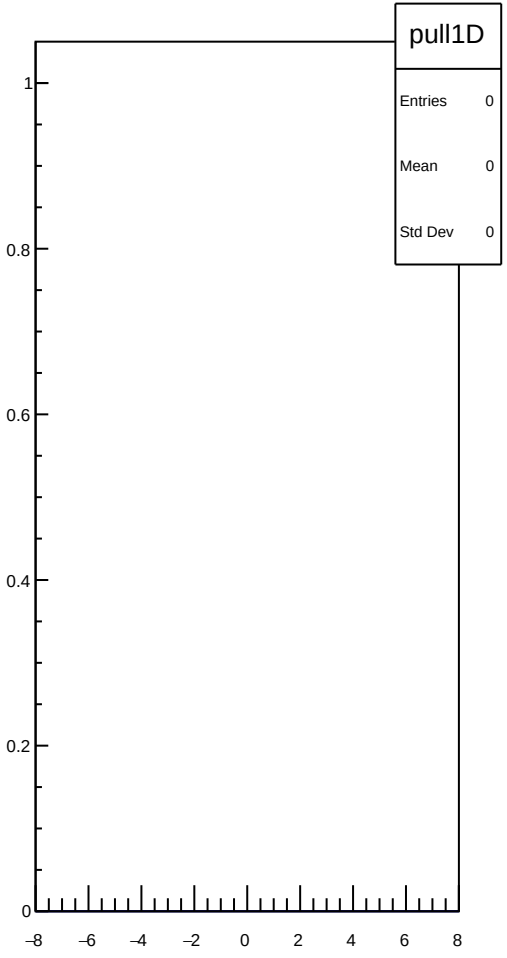

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Std Dev 0
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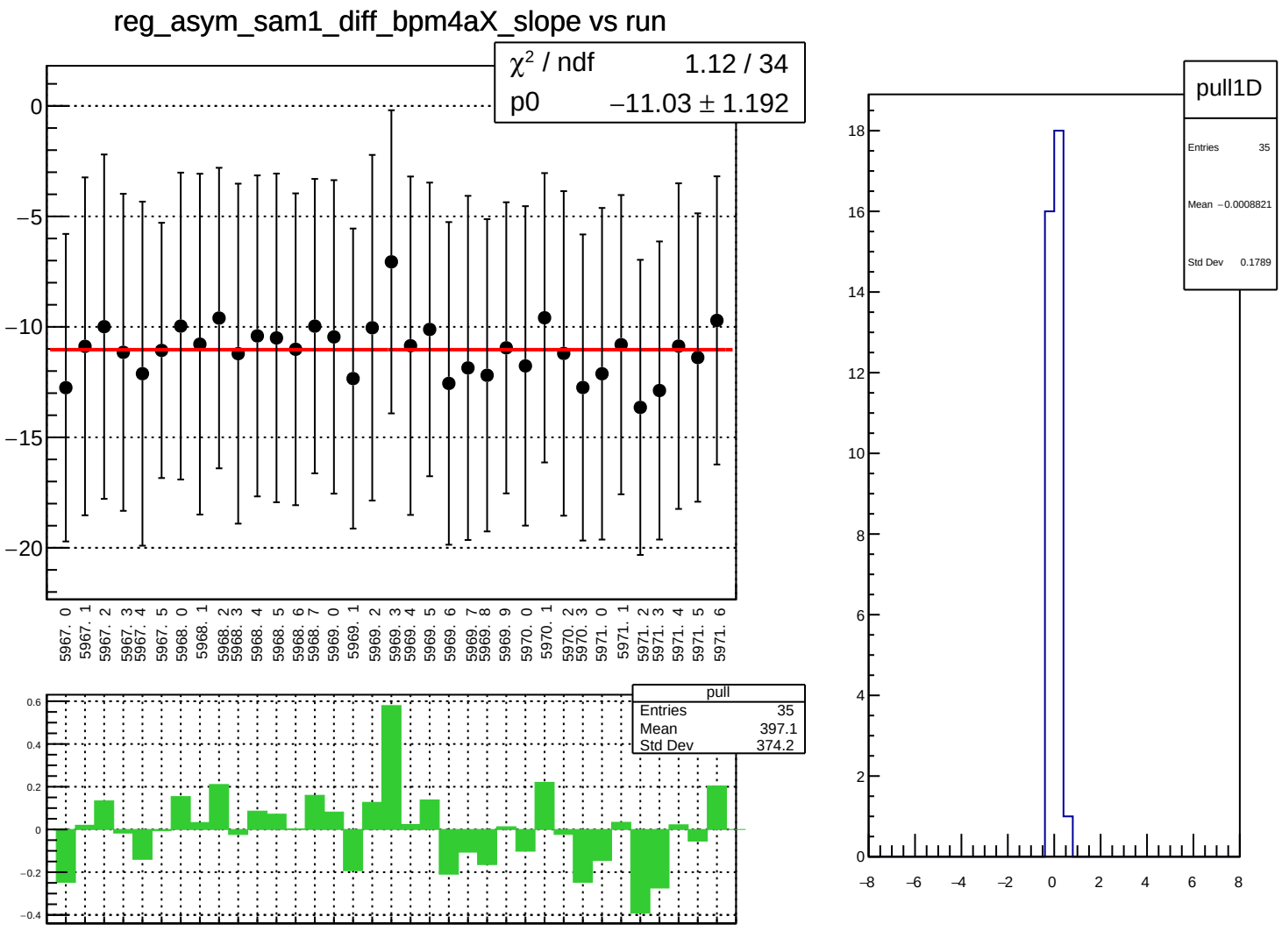

pull1D
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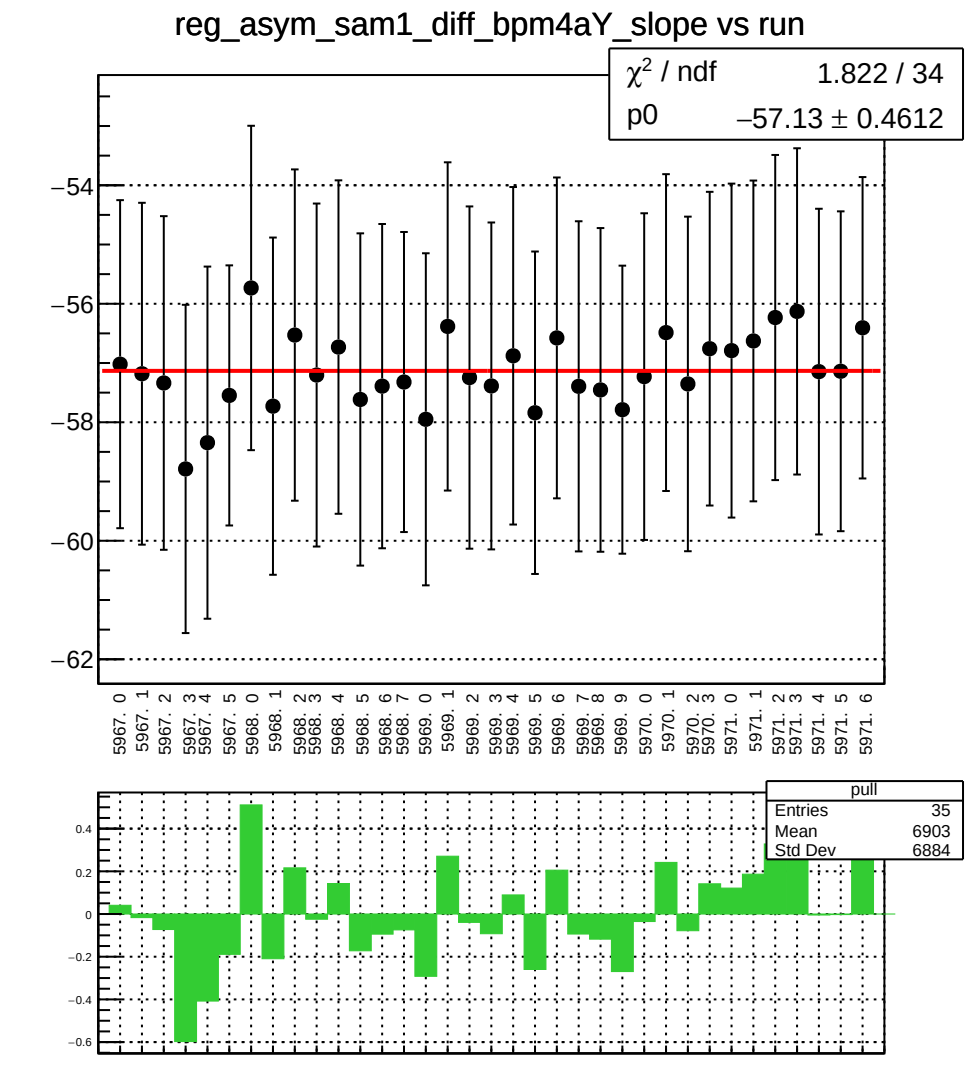

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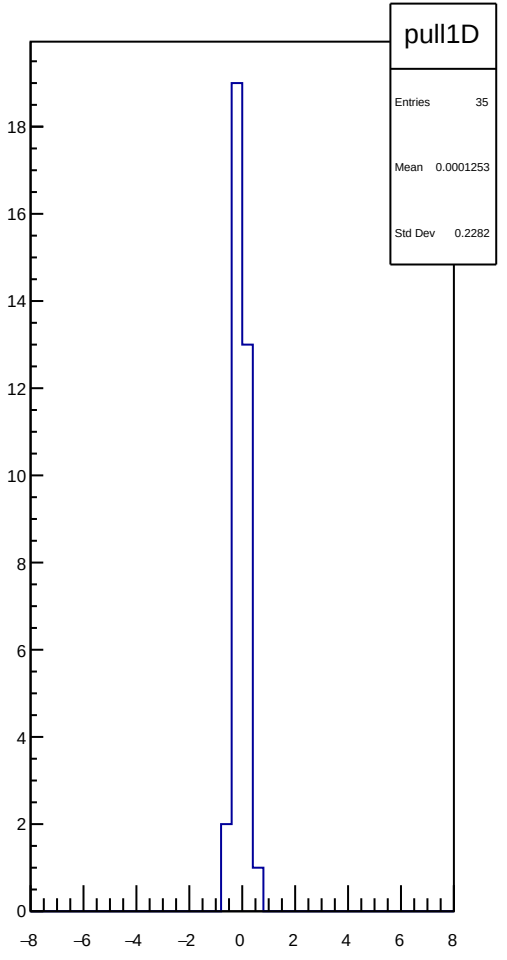

pull1D
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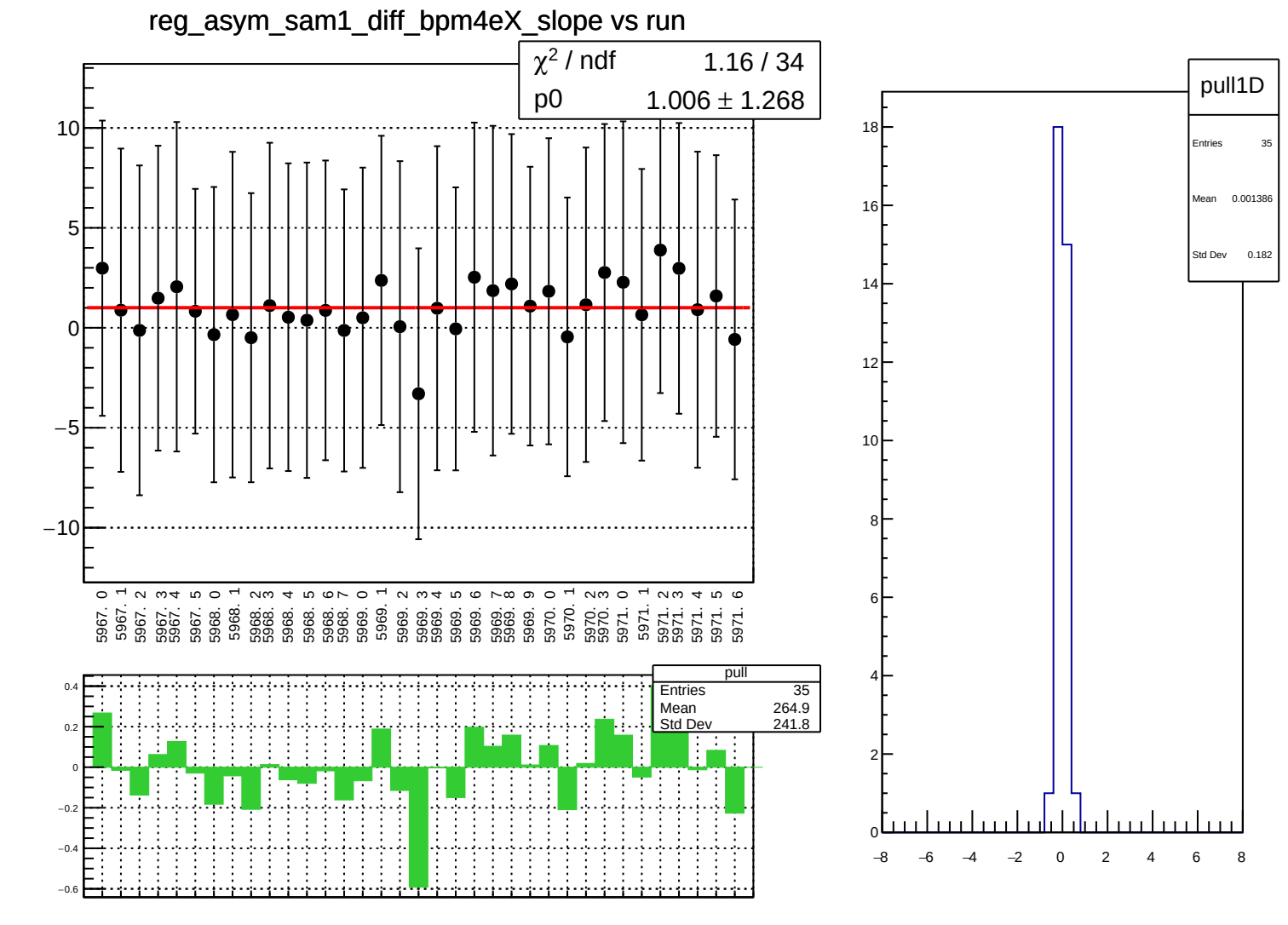

pull
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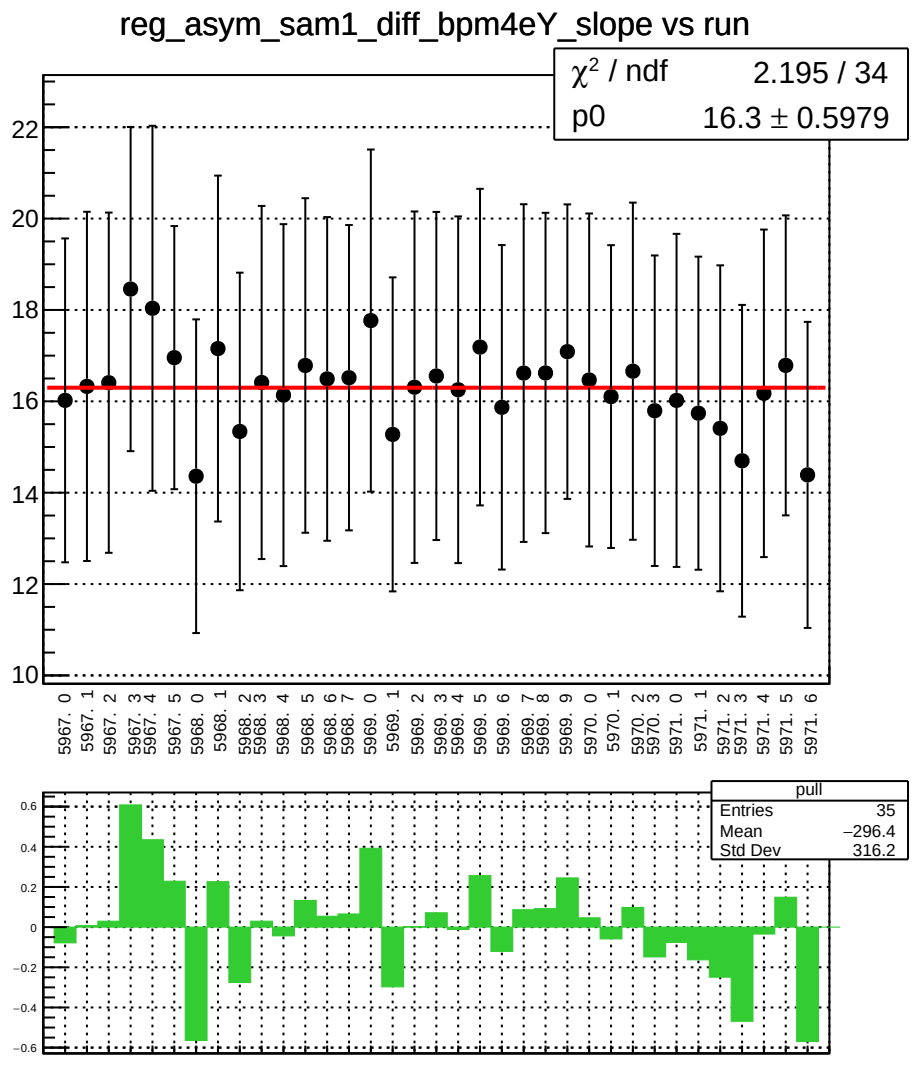

pull1D
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Std Dev 0
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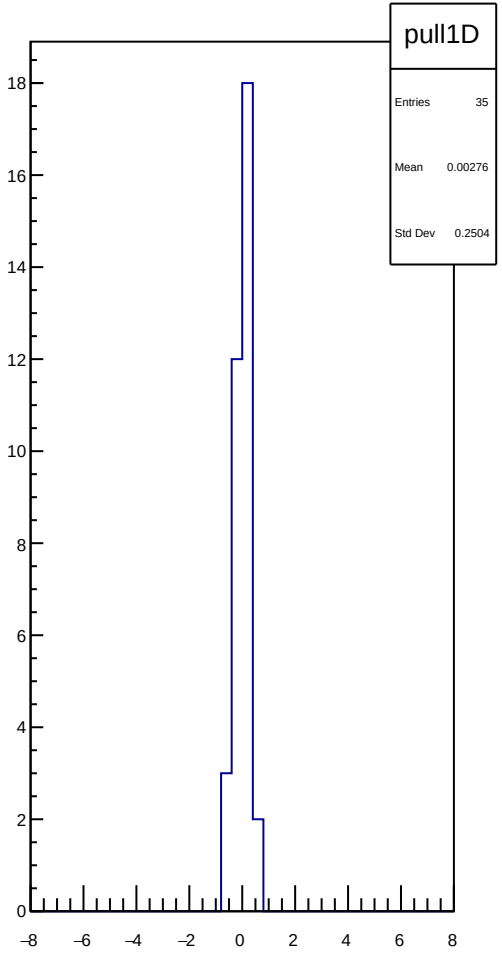

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 1.12 / 34
p0 −11.03 ± 1.192
0
−5
−10
−15
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 397.1
Std Dev 374.2
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean −0.0008821
Std Dev 0.1789
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

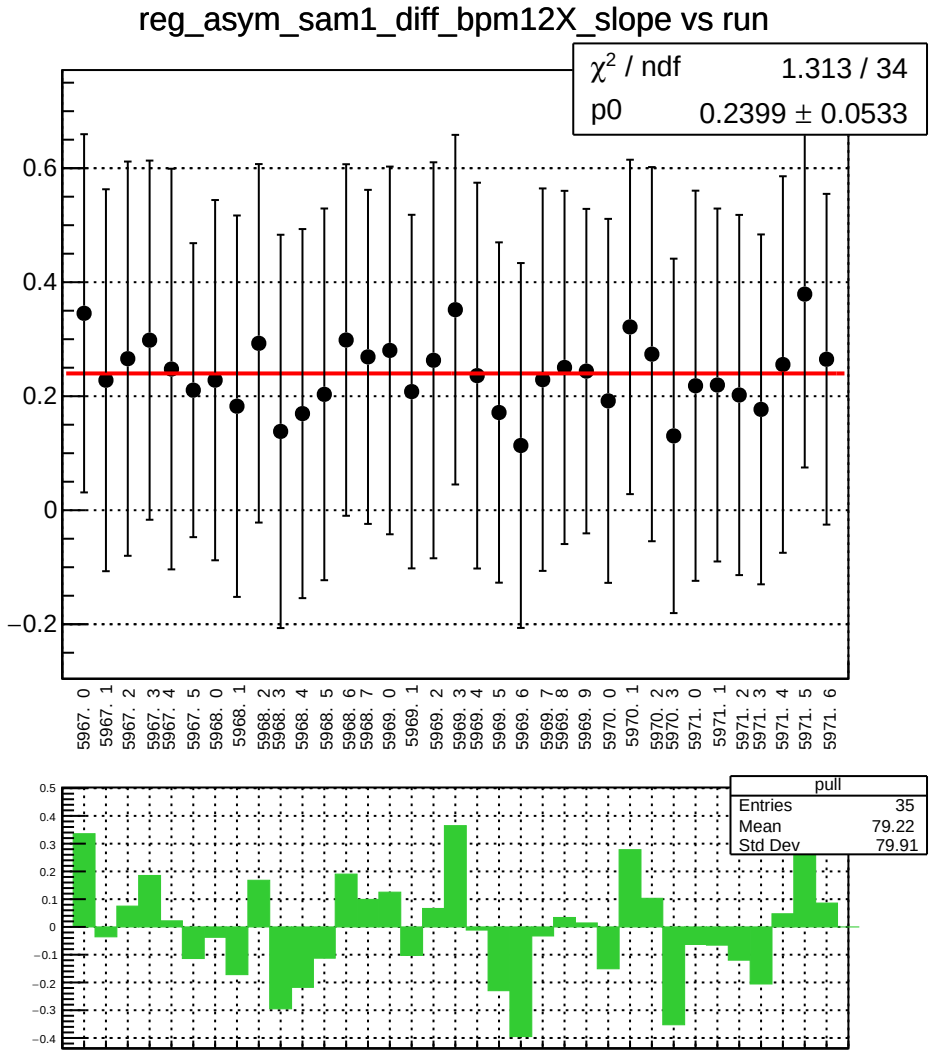

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 1.822 / 34
p0 −57.13 ± 0.4612
−54
−56
−58
−60
−62
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 6903
Std Dev 6884
0.4
0.2
0
−0.2
−0.4
−0.6

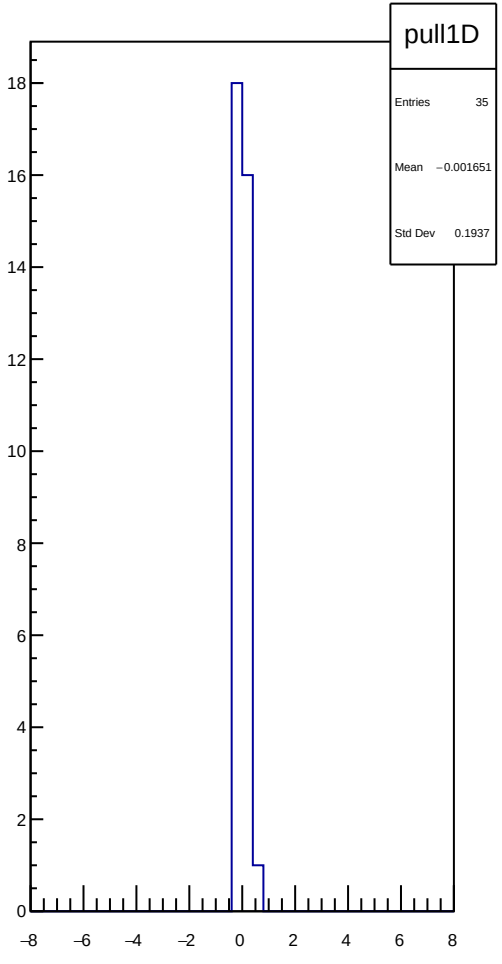

pull1D
Entries 35
Mean 0.0001253
Std Dev 0.2282
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

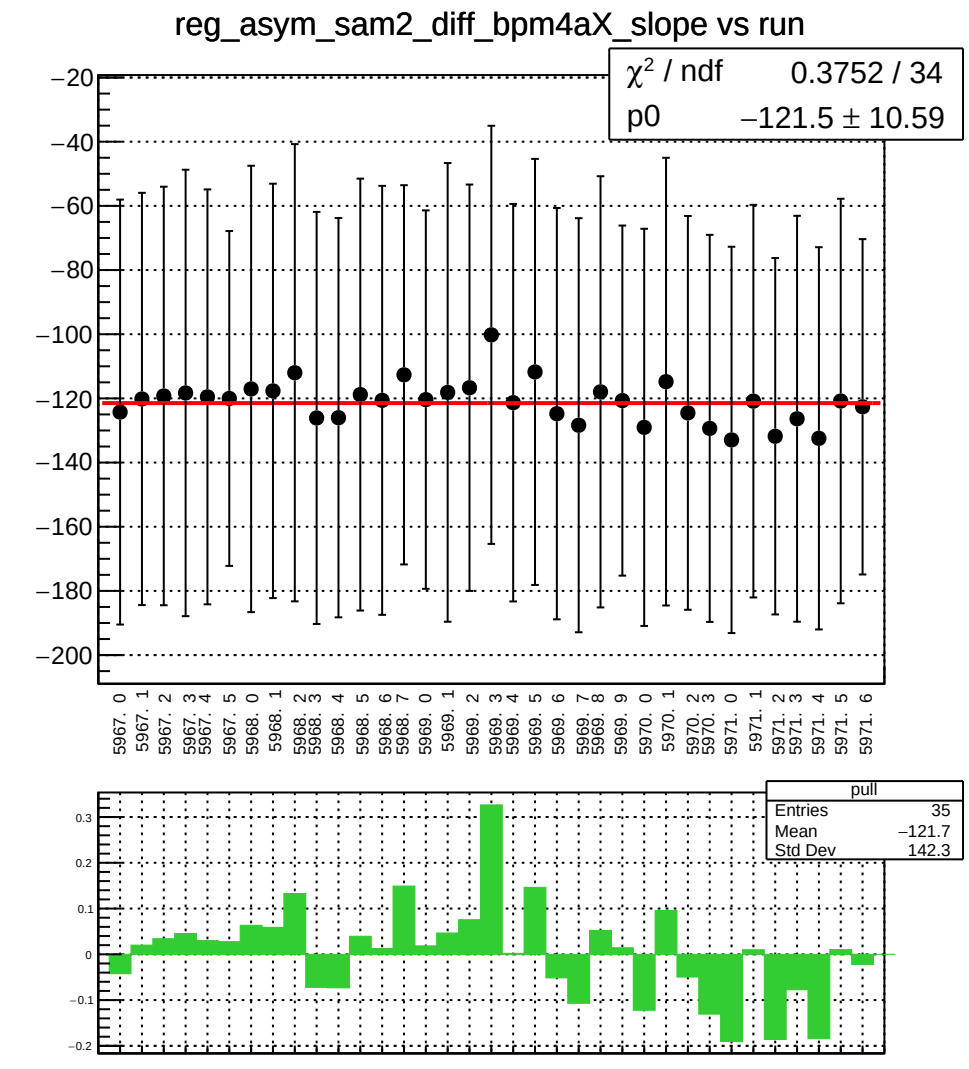

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.16 / 34
p0 1.006 ± 1.268
10
5
0
−5
−10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 264.9
Std Dev 241.8
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 35
Mean 0.001386
Std Dev 0.182
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

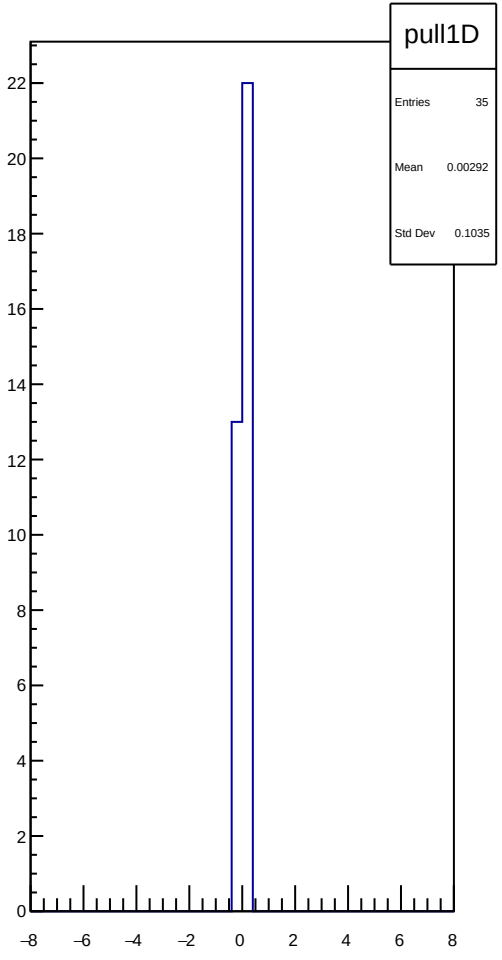

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 2.195 / 34
p0 16.3 ± 0.5979
22
20
18
16
14
12
10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −296.4
Std Dev 316.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

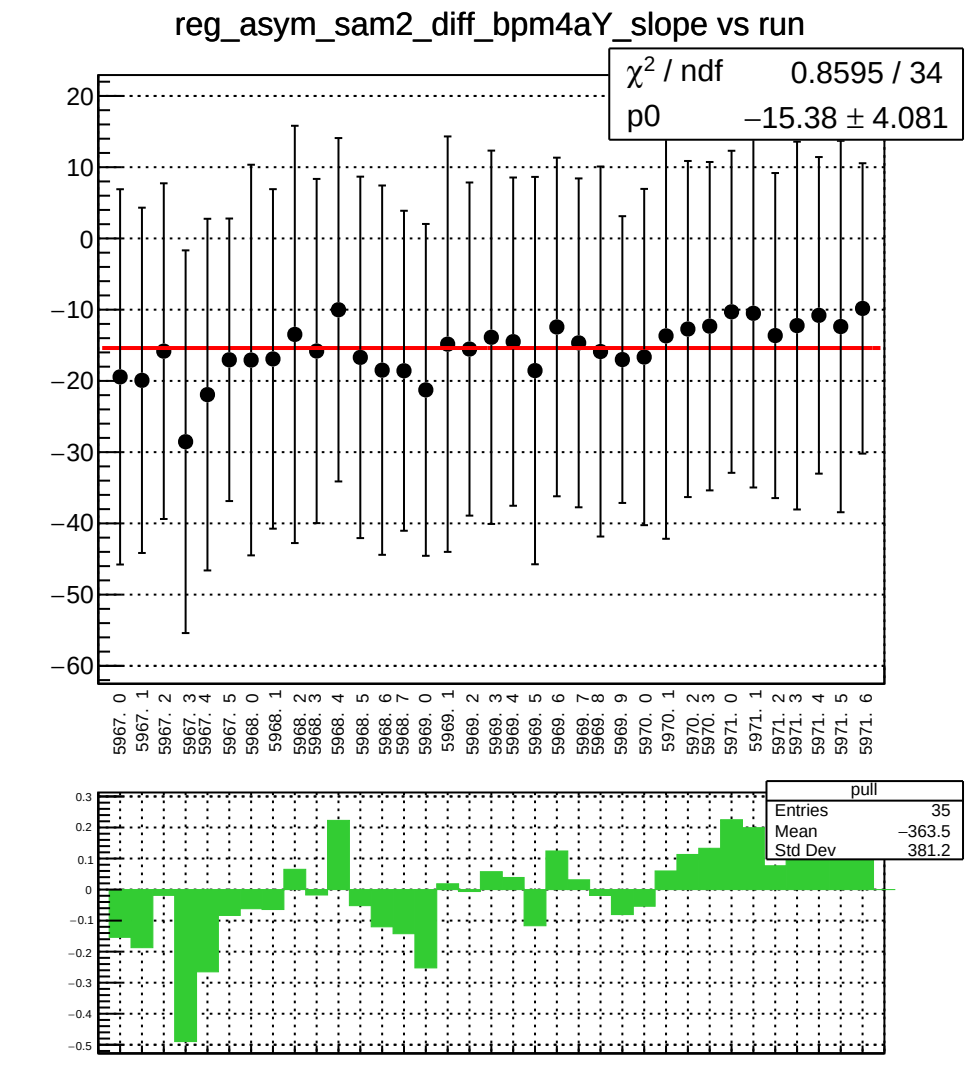

pull1D
Entries 35
Mean 0.00276
Std Dev 0.2504
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

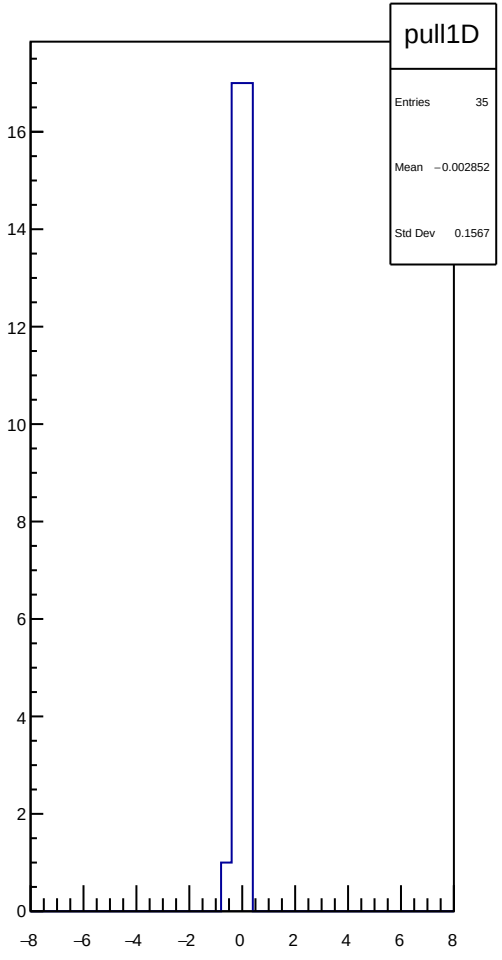

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 1.313 / 34
p0 0.2399 ± 0.0533
pull
Entries 35
Mean 79.22
Std Dev 79.91

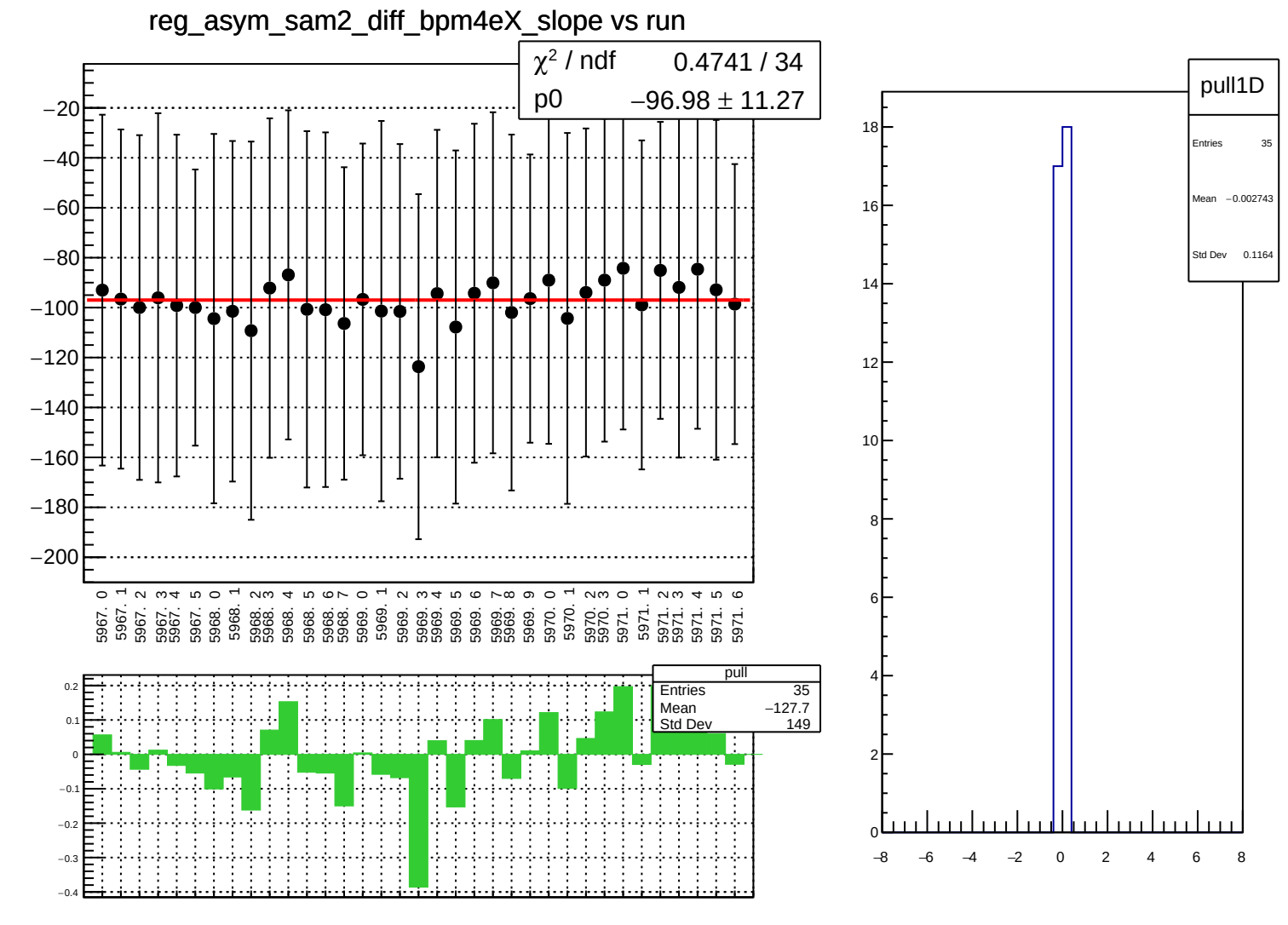

pull1D
Entries 35
Mean −0.001651
Std Dev 0.1937

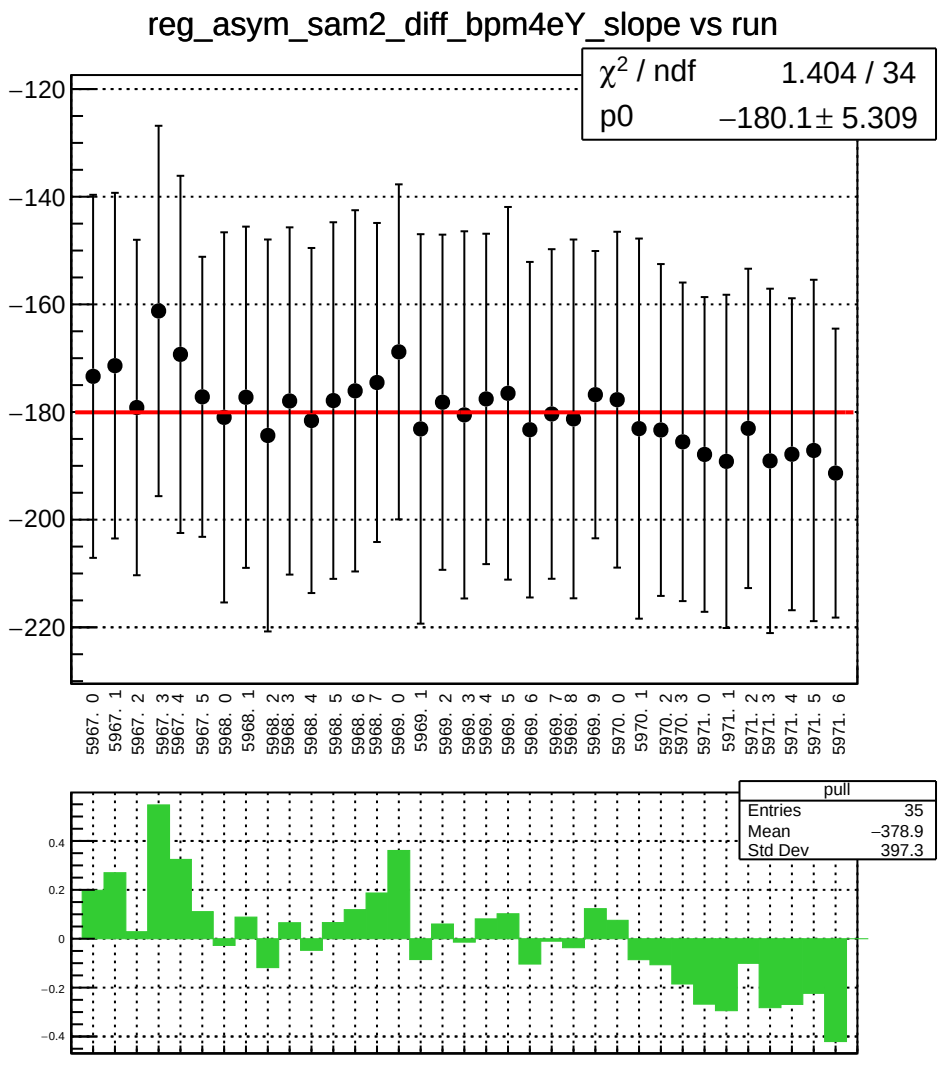

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 0.3752 / 34
p0 −121.5 ± 10.59
pull
Entries 35
Mean −121.7
Std Dev 142.3

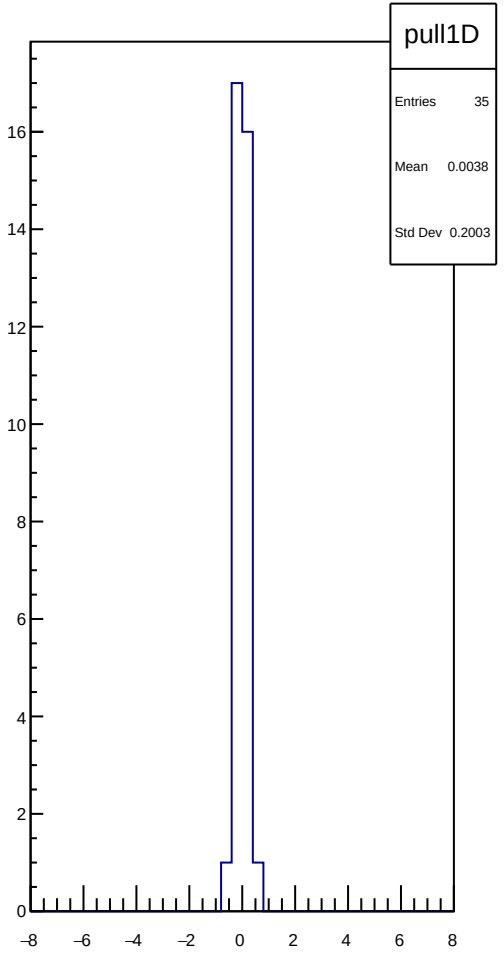

pull1D
Entries 35
Mean 0.00292
Std Dev 0.1035

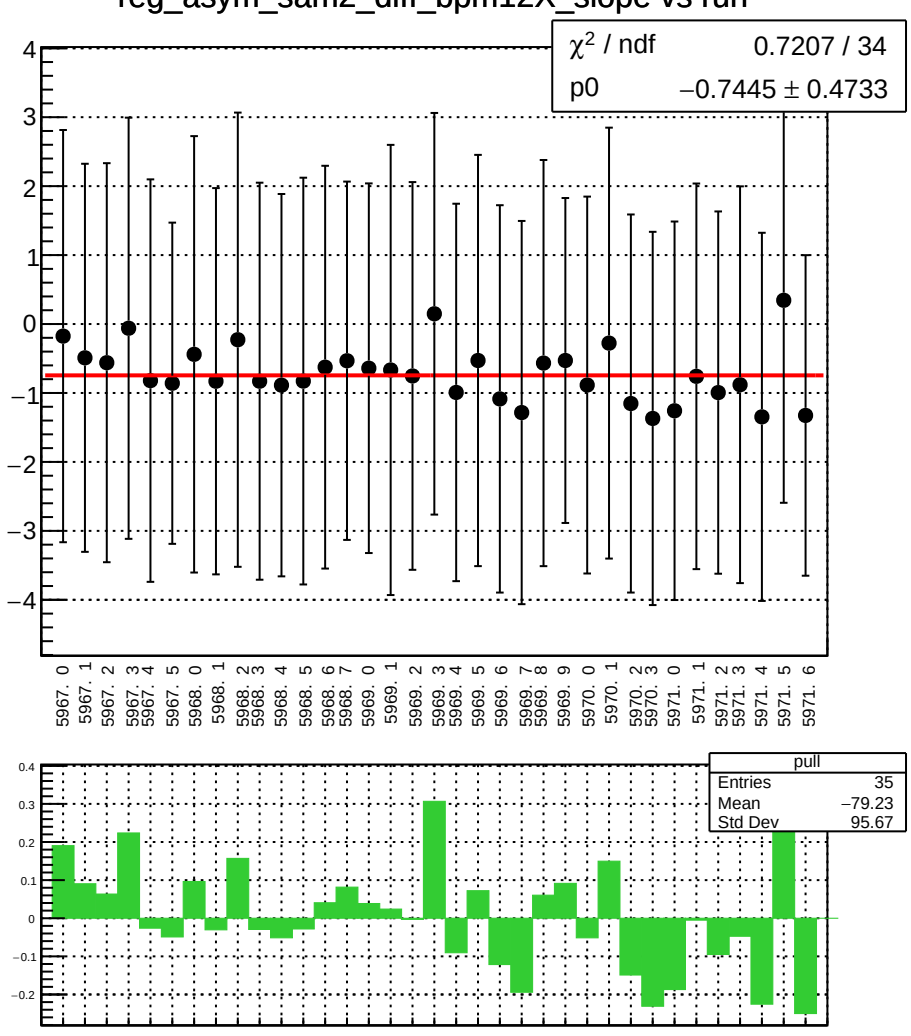

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 0.8595 / 34
p0 −15.38 ± 4.081
pull
Entries 35
Mean −363.5
Std Dev 381.2

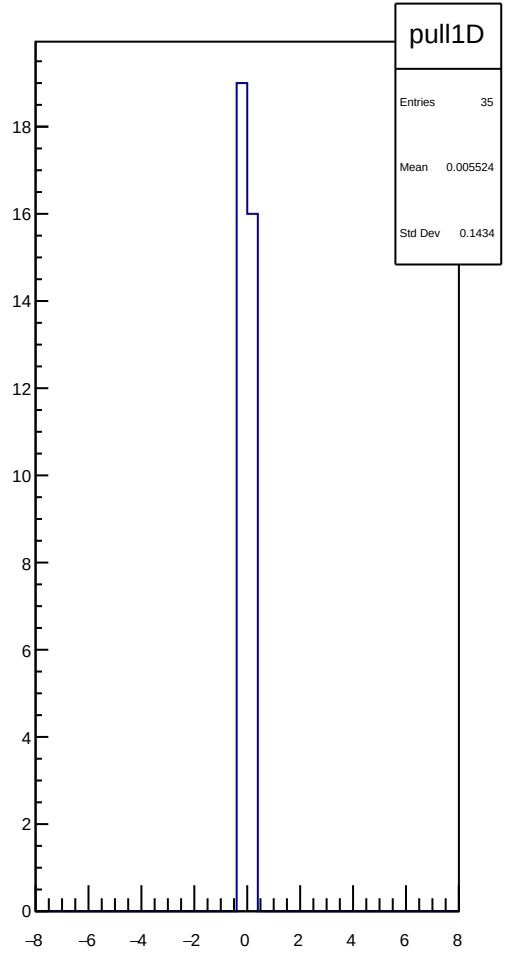

pull1D
Entries 35
Mean −0.002852
Std Dev 0.1567

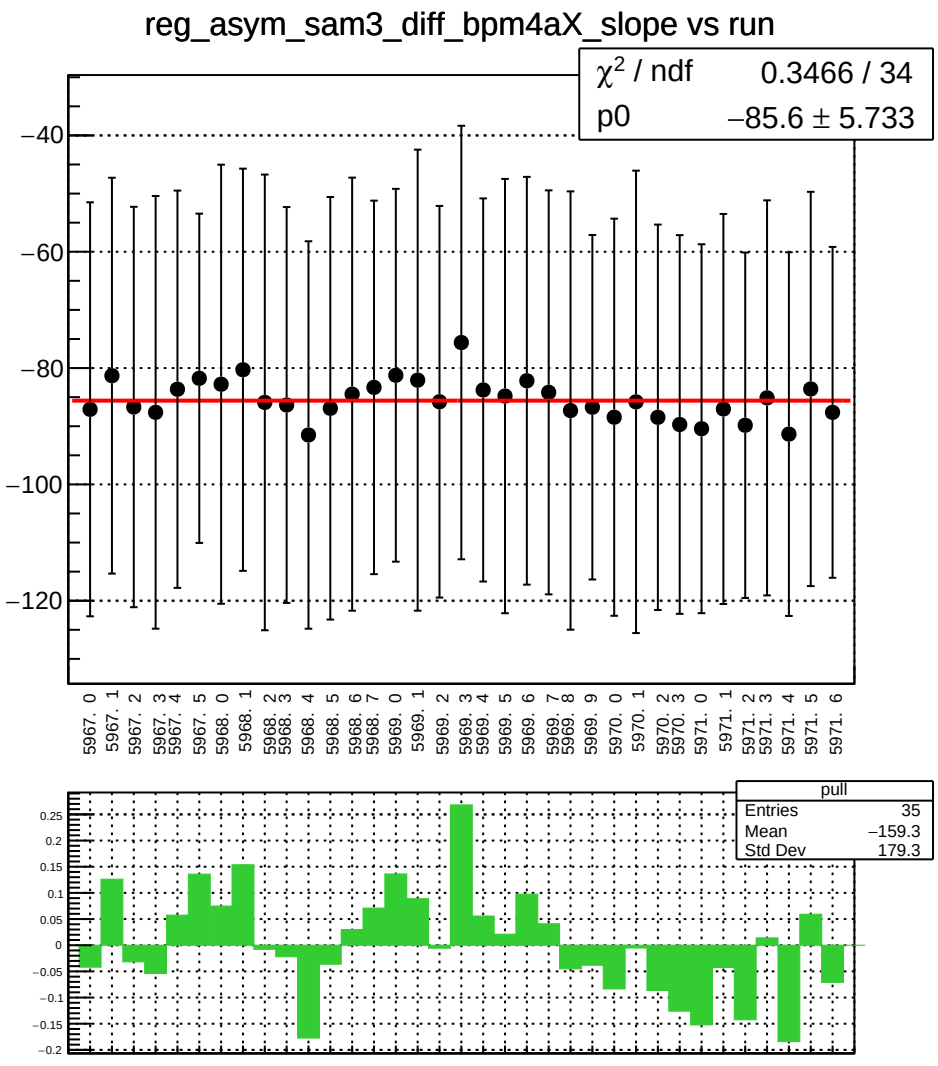

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.4741 / 34
p0 −96.98 ± 11.27
pull
Entries 35
Mean −127.7
Std Dev 149
pull1D
Entries 35
Mean −0.002743
Std Dev 0.1164

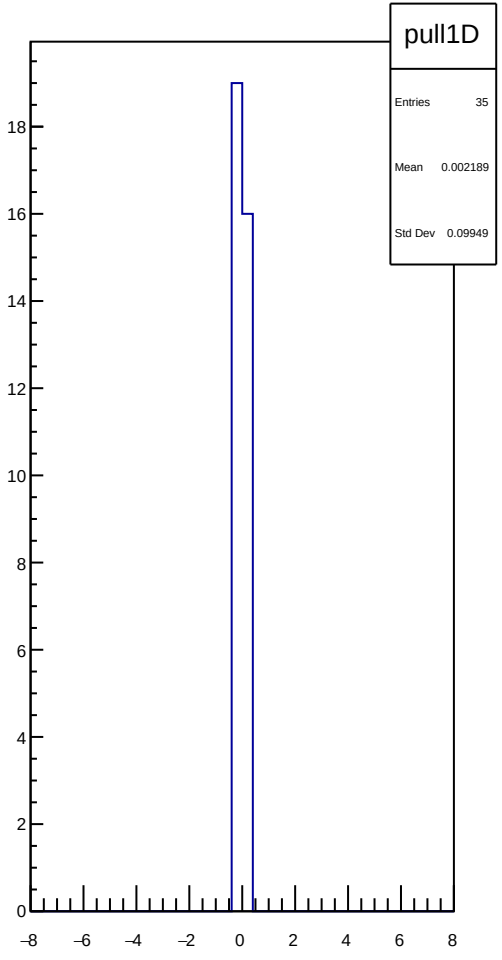

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 1.404 / 34
p0 −180.1± 5.309
−120
−140
−160
−180
−200
−220
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −378.9
Std Dev 397.3
0.4
0.2
0
−0.2
−0.4

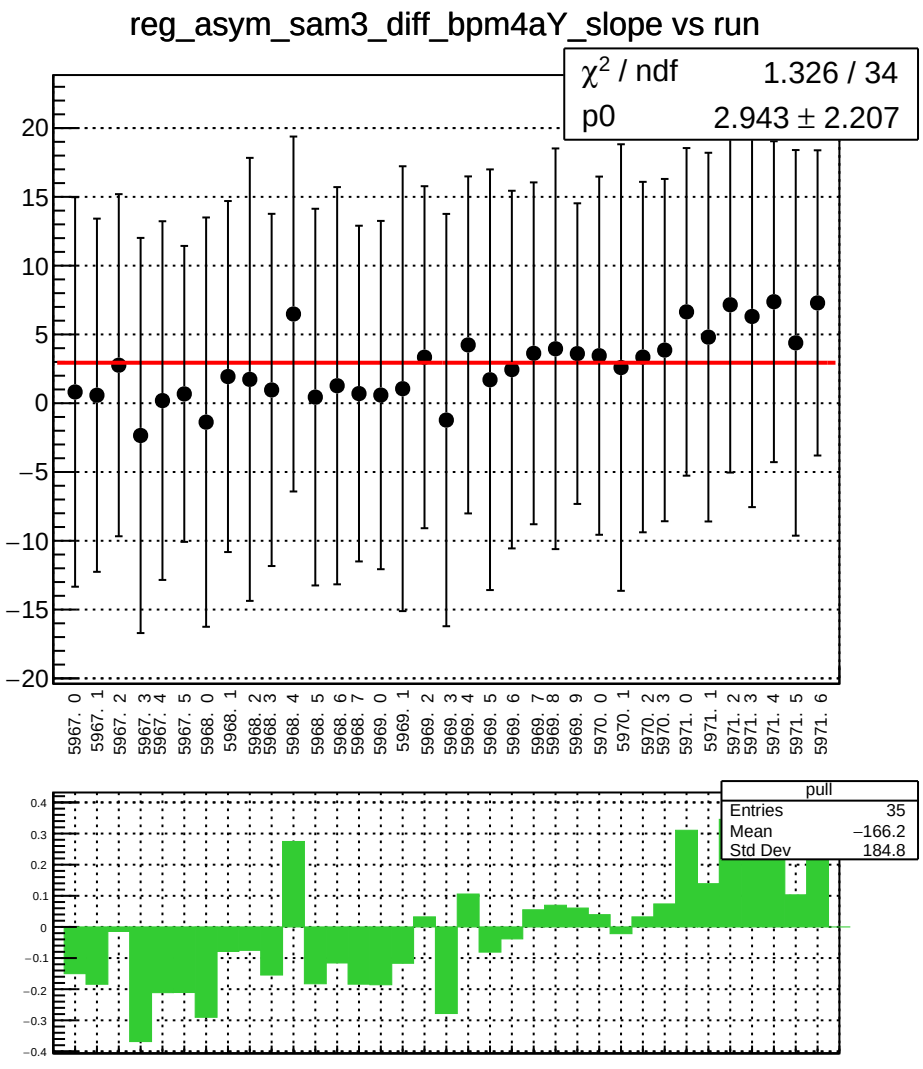

pull1D
Entries 35
Mean 0.0038
Std Dev 0.2003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

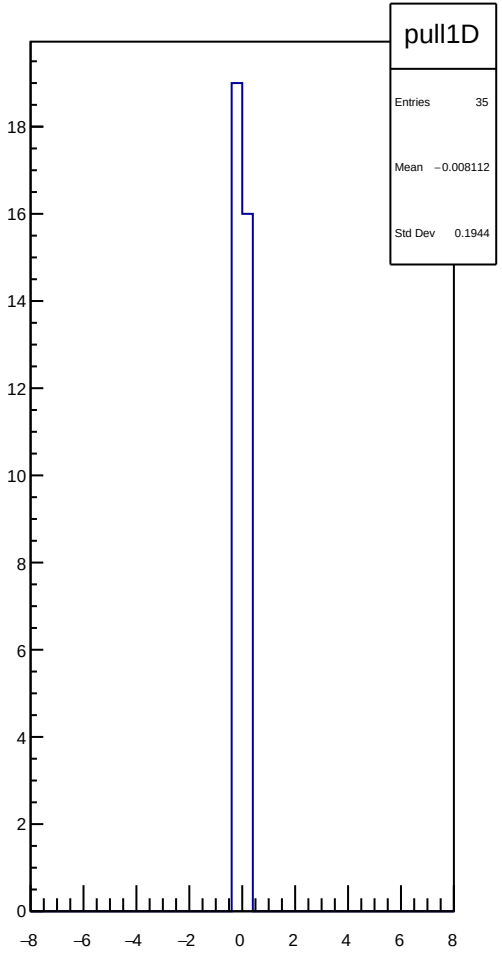

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.7207 / 34
p0 −0.7445 ± 0.4733
pull
Entries 35
Mean −79.23
Std Dev 95.67

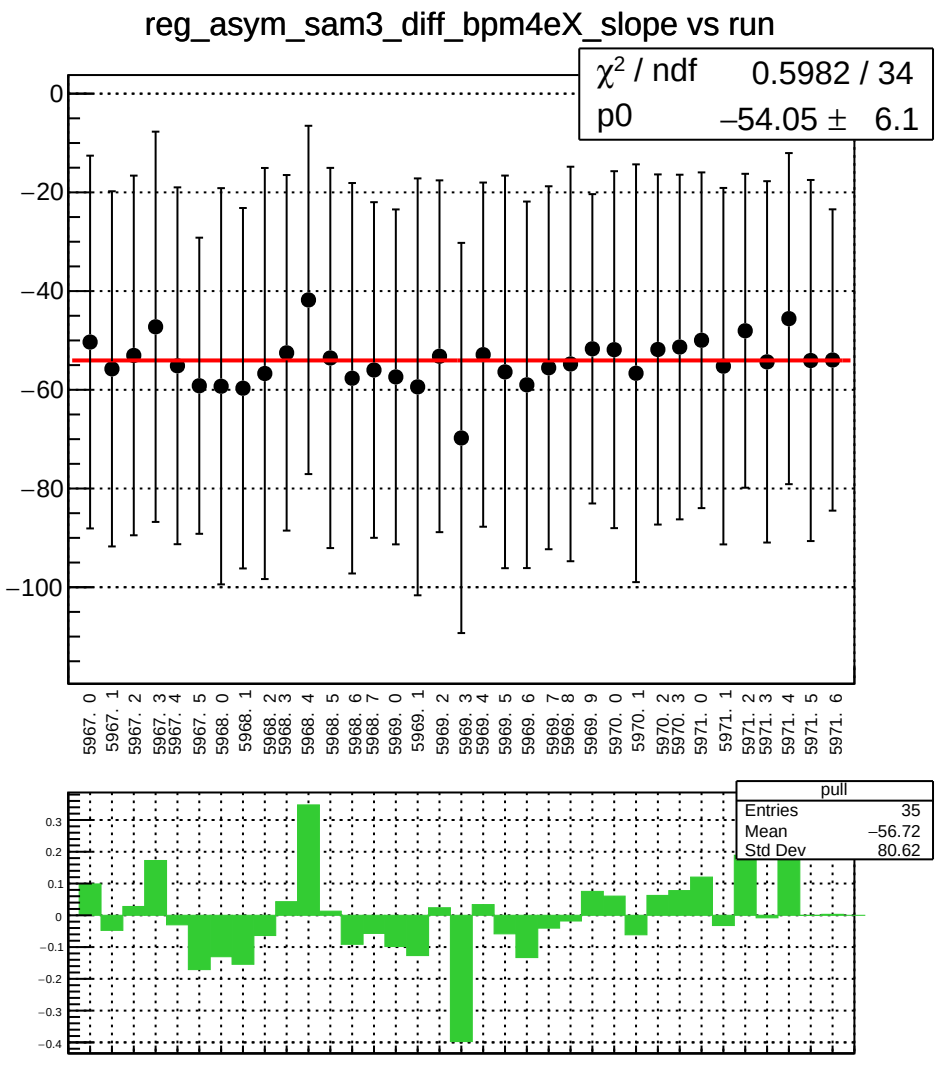

pull1D
Entries 35
Mean 0.005524
Std Dev 0.1434

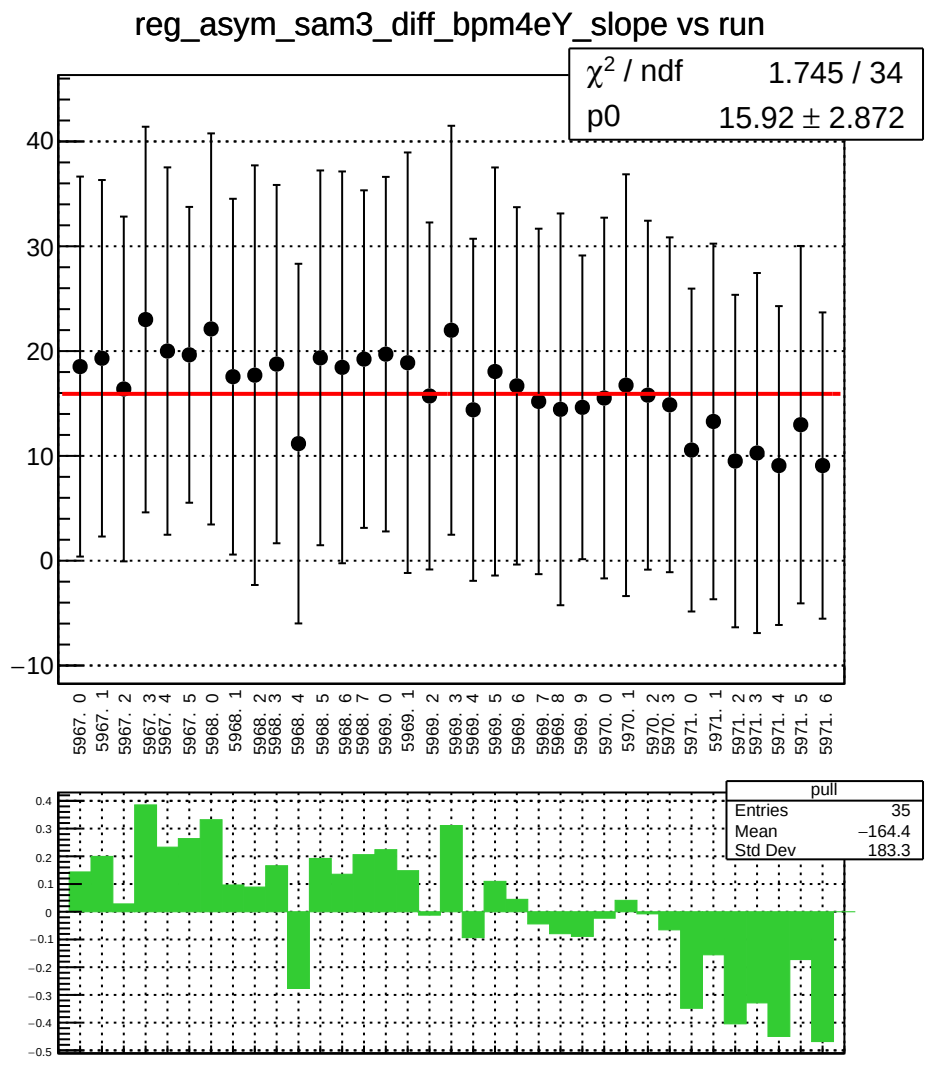

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 0.3466 / 34
p0 −85.6 ± 5.733
−40
−60
−80
−100
−120
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −159.3
Std Dev 179.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2

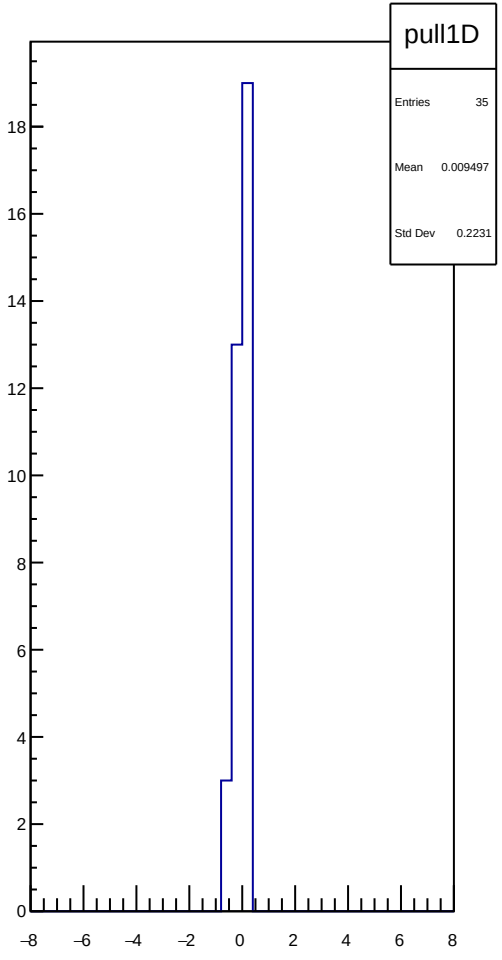

pull1D
Entries 35
Mean 0.002189
Std Dev 0.09949
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

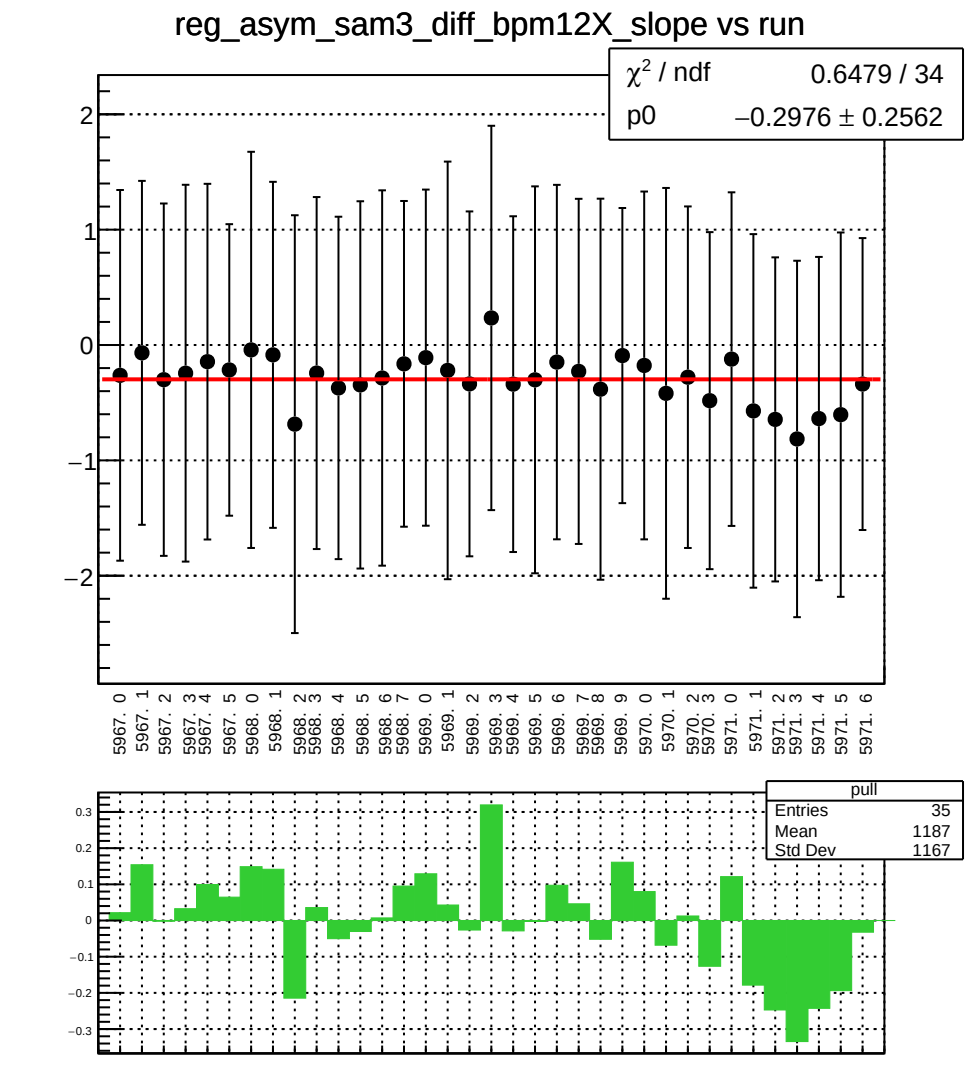

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.326 / 34
p0 2.943 ± 2.207
pull
Entries 35
Mean −166.2
Std Dev 184.8

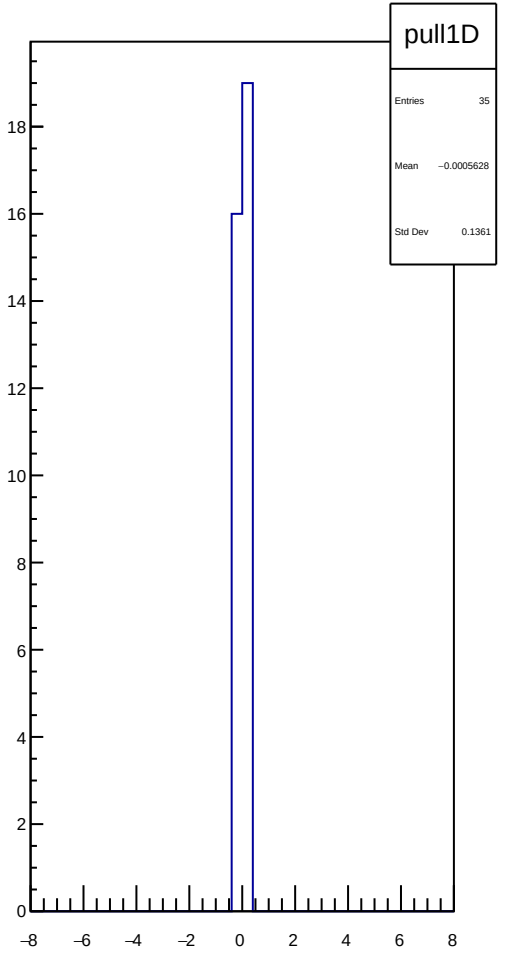

pull1D
Entries 35
Mean −0.008112
Std Dev 0.1944

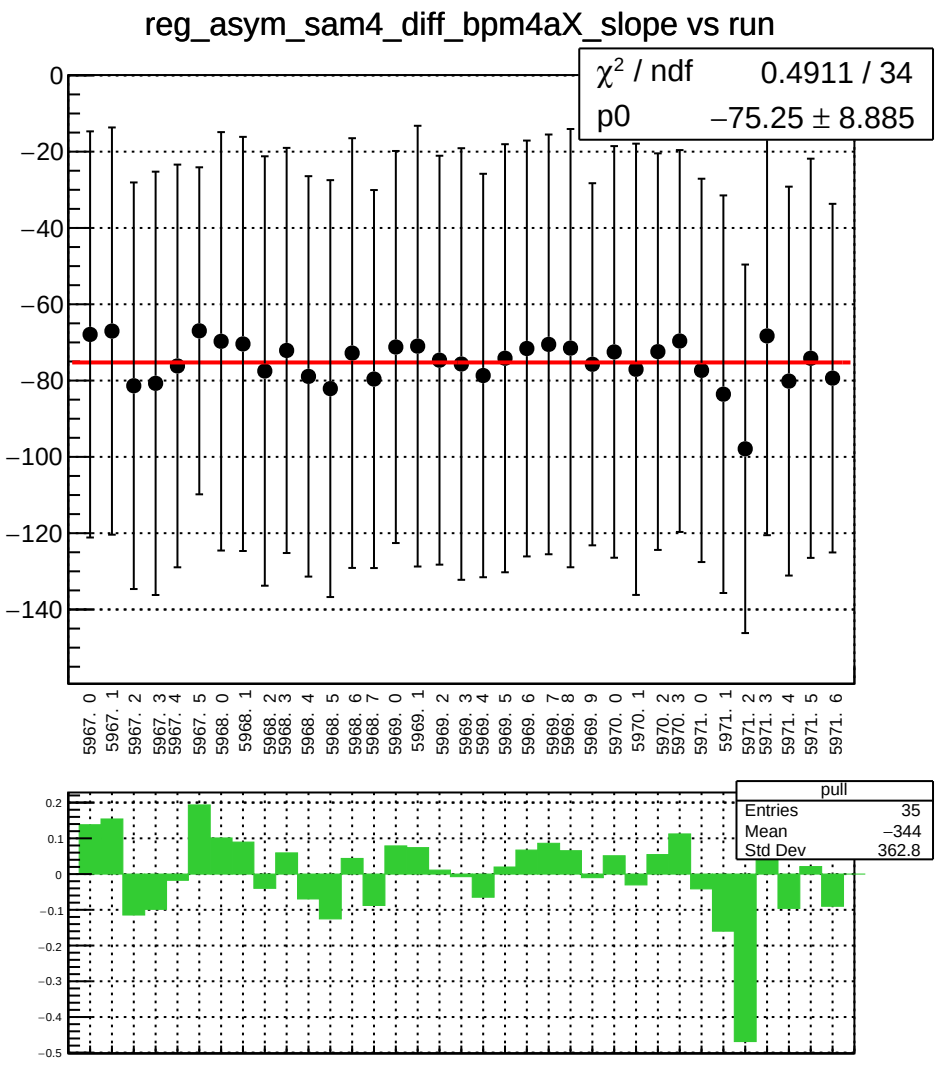

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 0.5982 / 34
p0 –54.05 ± 6.1
0
–20
–40
–60
–80
–100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean –56.72
Std Dev 80.62
0.3
0.2
0.1
0
–0.1
–0.2
–0.3
–0.4
pull1D
Entries 35
Mean –0.00335
Std Dev 0.1307
18
16
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

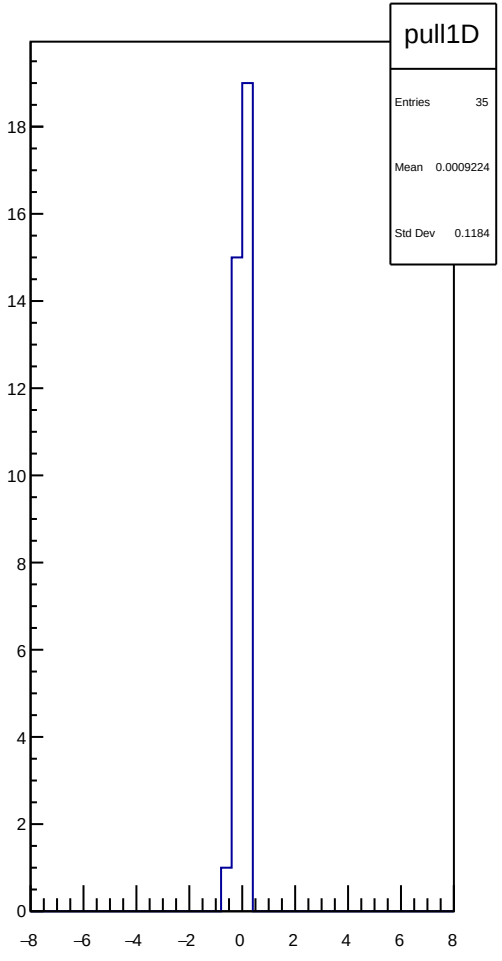

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 1.745 / 34
p0 15.92 ± 2.872
pull
Entries 35
Mean −164.4
Std Dev 183.3

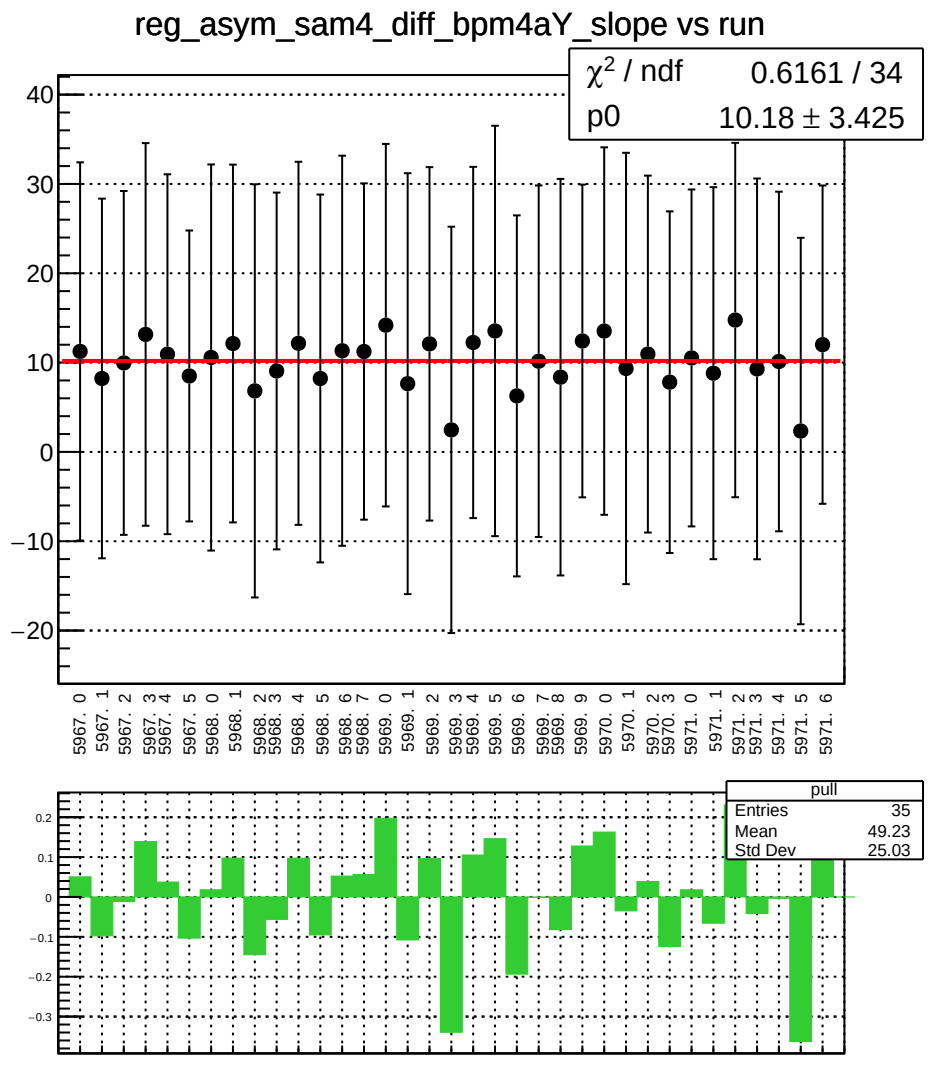

pull1D
Entries 35
Mean 0.009497
Std Dev 0.2231

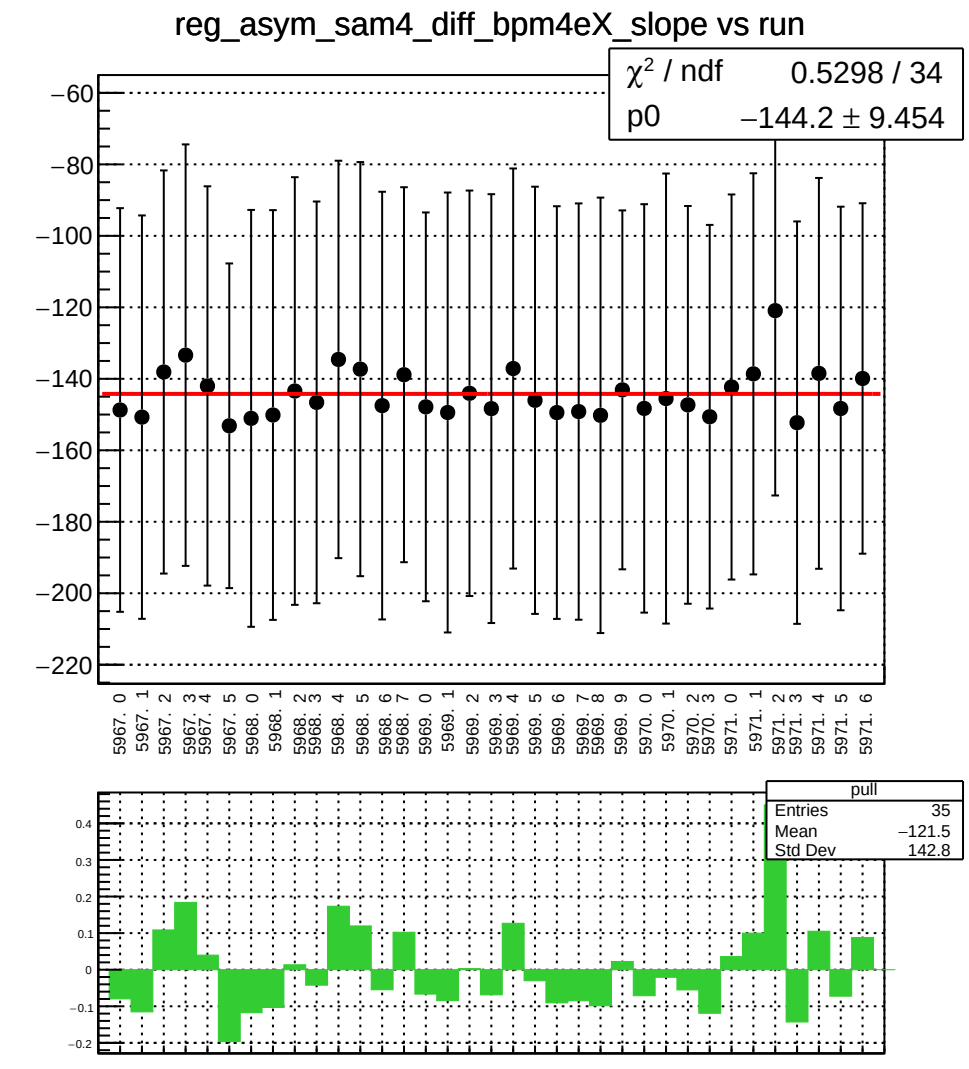

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.6479 / 34
p0 −0.2976 ± 0.2562
2
1
0
−1
−2
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1187
Std Dev 1167
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

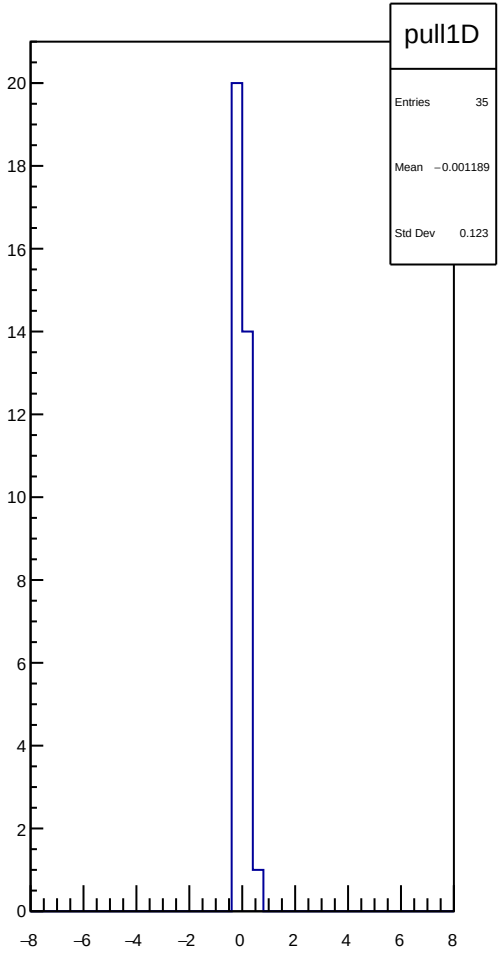

pull1D
Entries 35
Mean −0.0005628
Std Dev 0.1361
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

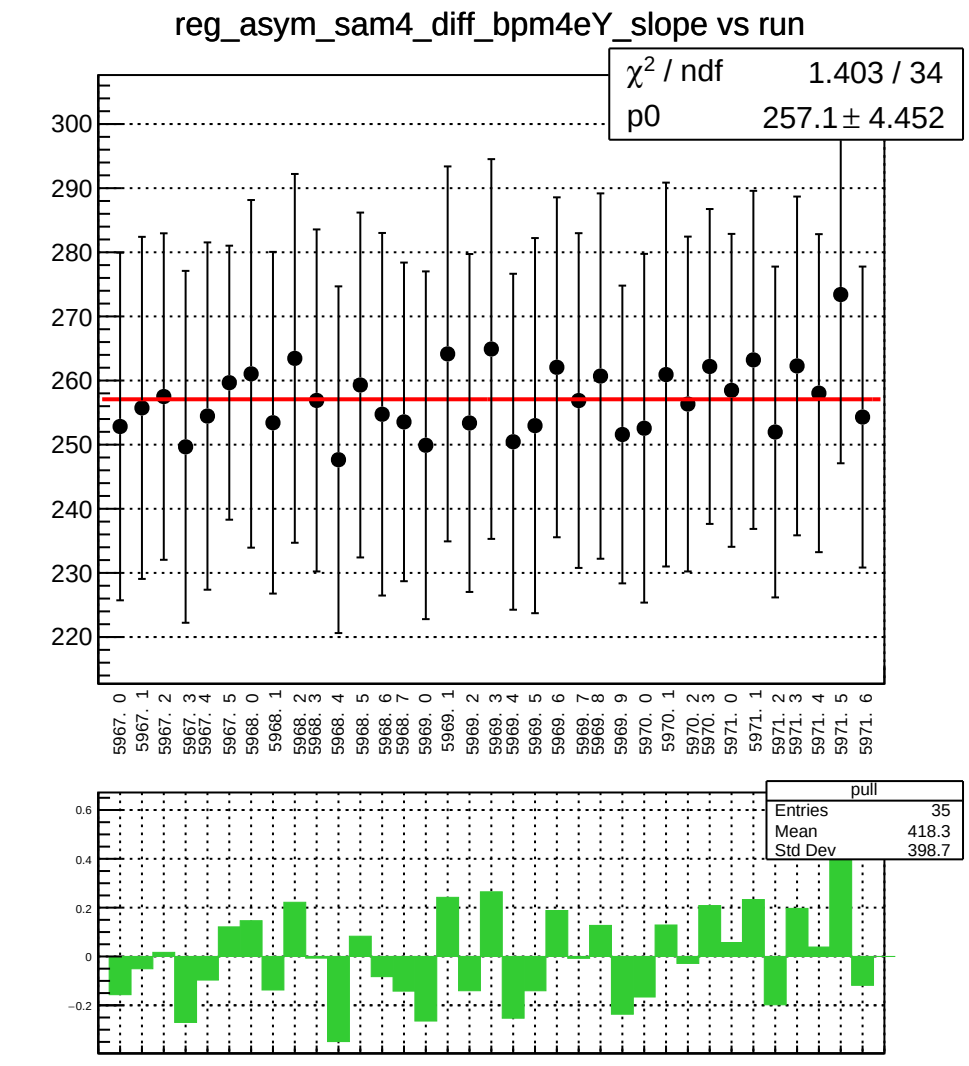

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 0.4911 / 34
p0 −75.25 ± 8.885
pull
Entries 35
Mean −344
Std Dev 362.8

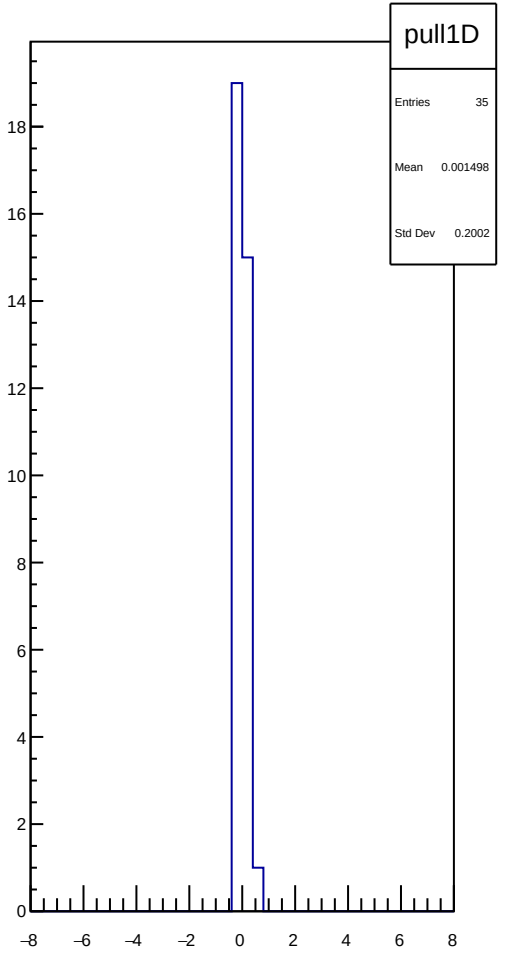

pull1D
Entries 35
Mean 0.0009224
Std Dev 0.1184

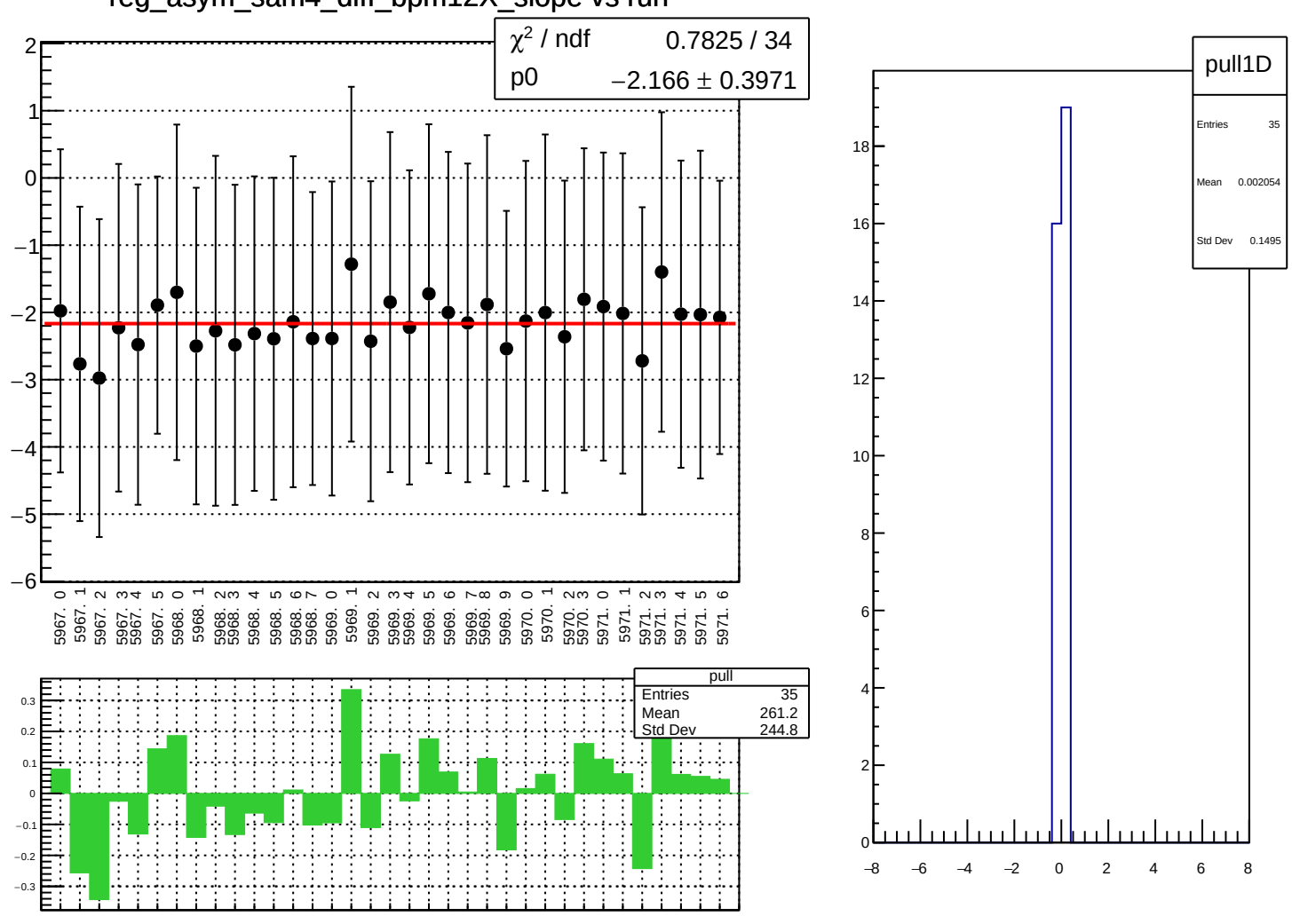

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 0.6161 / 34
p0 10.18 ± 3.425
40
30
20
10
0
−10
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 49.23
Std Dev 25.03
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 35
Mean −0.00266
Std Dev 0.1326
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

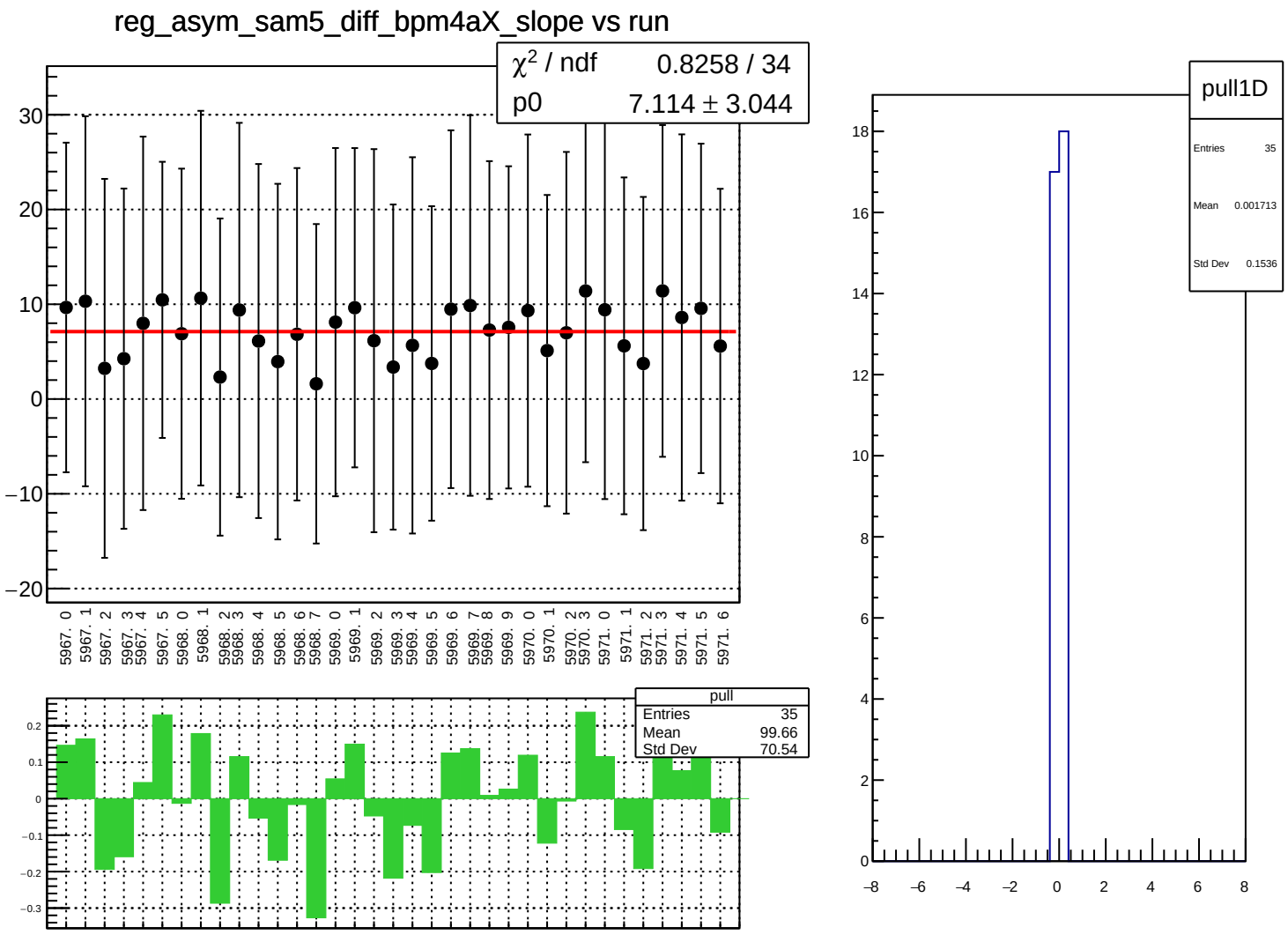

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 0.5298 / 34
p0 −144.2 ± 9.454
pull
Entries 35
Mean −121.5
Std Dev 142.8

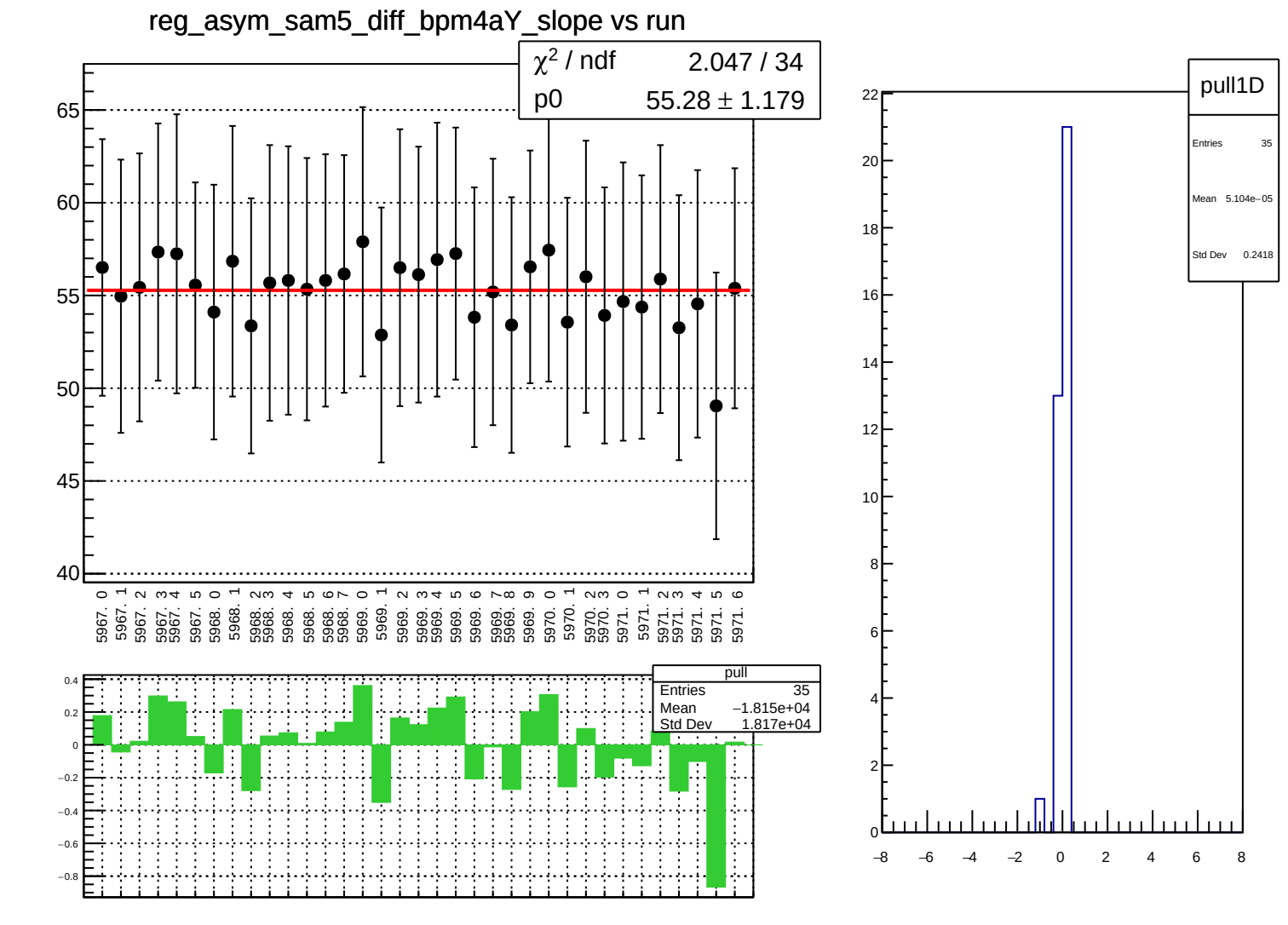

pull1D
Entries 35
Mean −0.001189
Std Dev 0.123

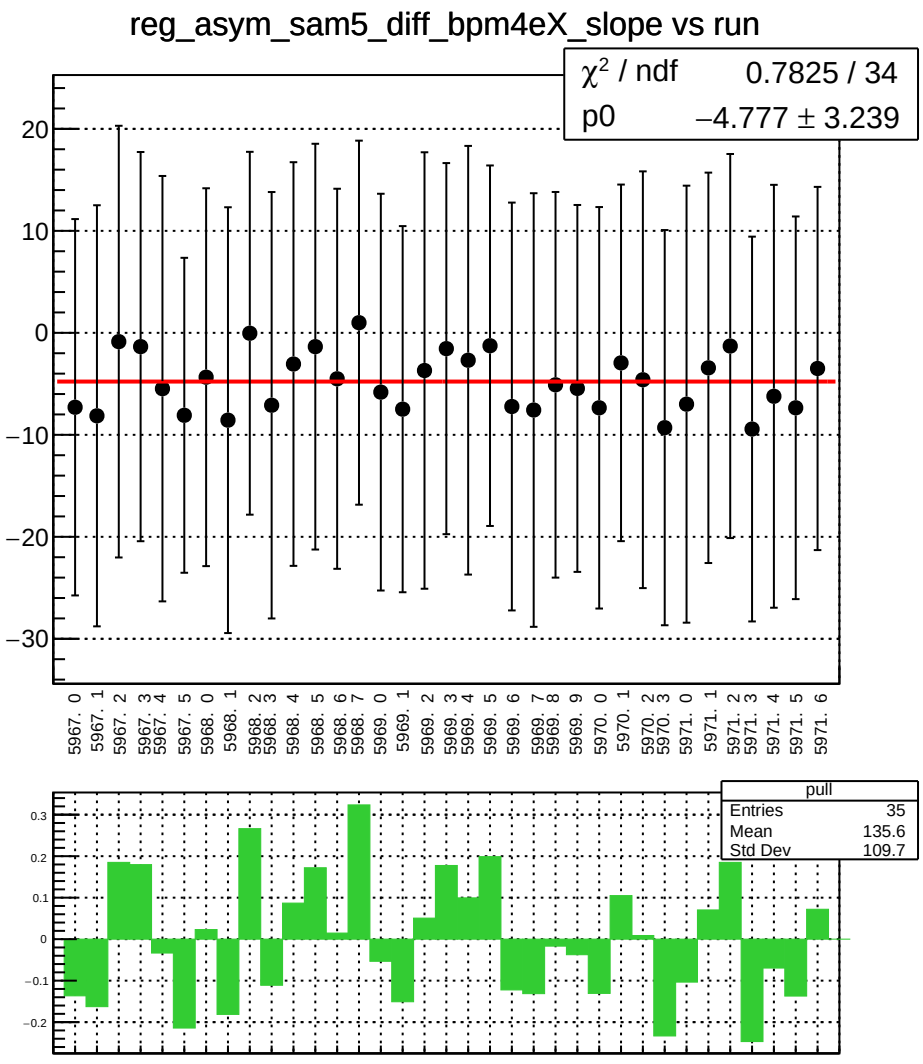

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 1.403 / 34
p0 257.1 ± 4.452
300
290
280
270
260
250
240
230
220
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 418.3
Std Dev 398.7
0.6
0.4
0.2
0
−0.2

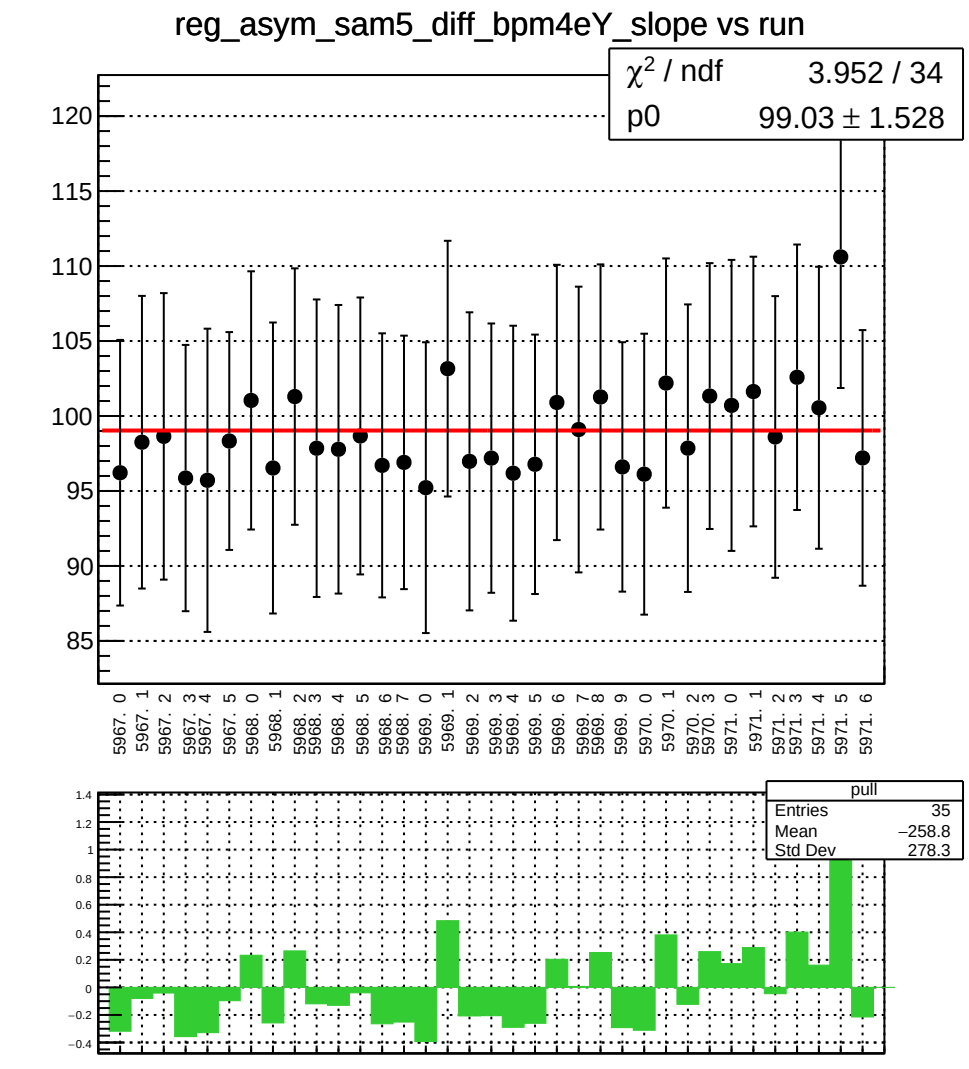

pull1D
Entries 35
Mean 0.001498
Std Dev 0.2002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

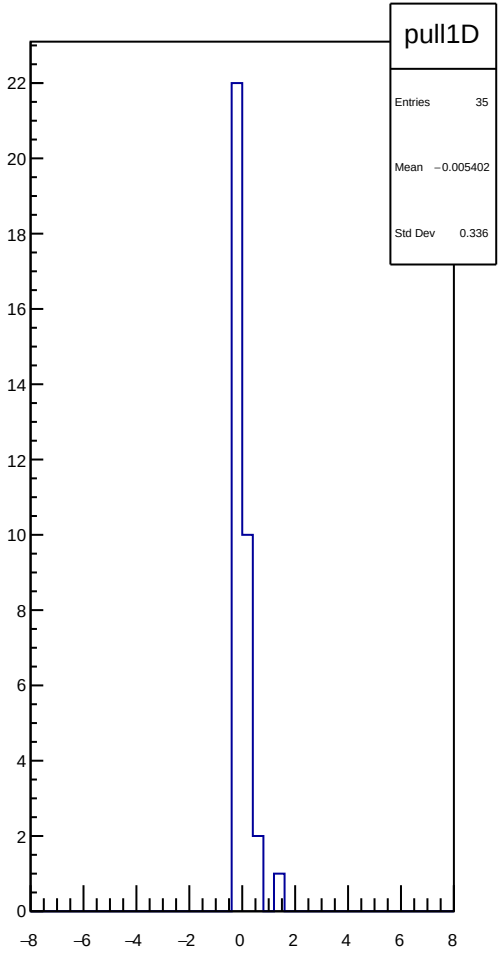

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 0.7825 / 34
p0 −2.166 ± 0.3971
pull
Entries 35
Mean 261.2
Std Dev 244.8
pull1D
Entries 35
Mean 0.002054
Std Dev 0.1495

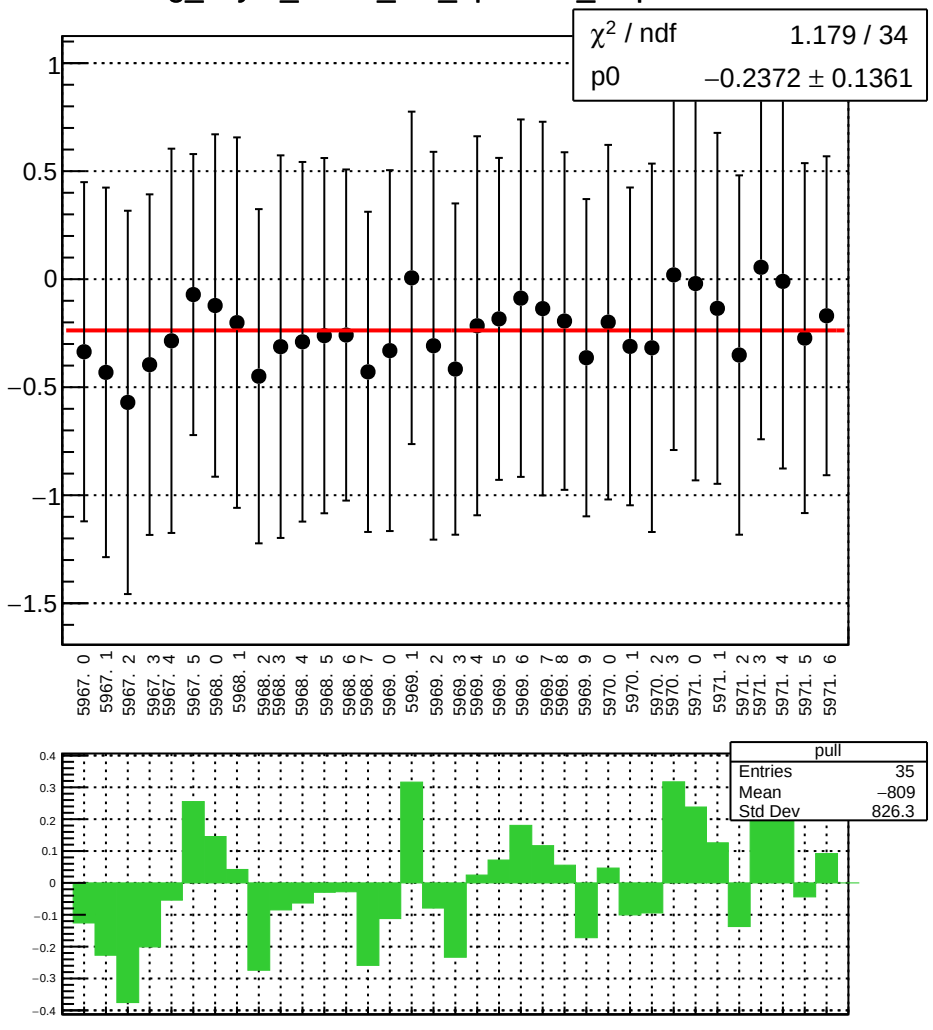

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 0.8258 / 34
p0 7.114 ± 3.044
30
20
10
0
−10
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 99.66
Std Dev 70.54
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 35
Mean 0.001713
Std Dev 0.1536
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

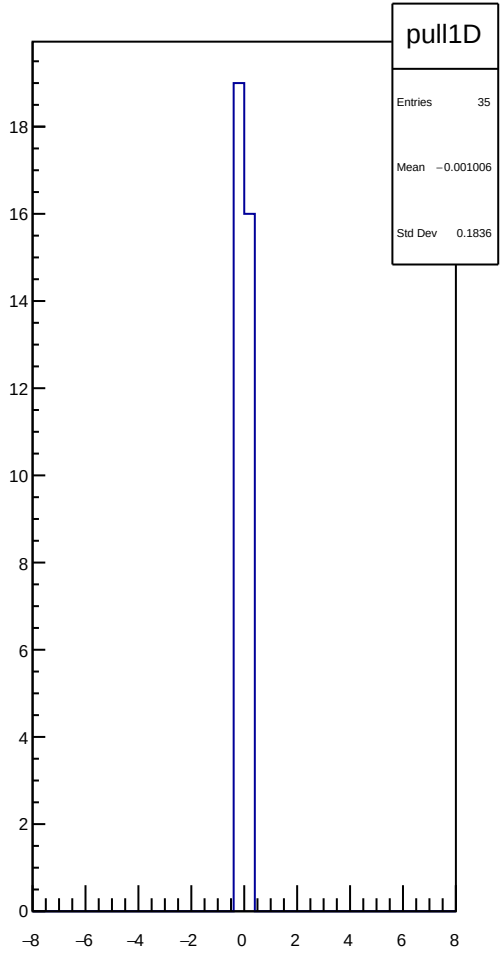

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 2.047 / 34
p0 55.28 ± 1.179
65
60
55
50
45
40
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −1.815e+04
Std Dev 1.817e+04
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 5.104e−05
Std Dev 0.2418
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

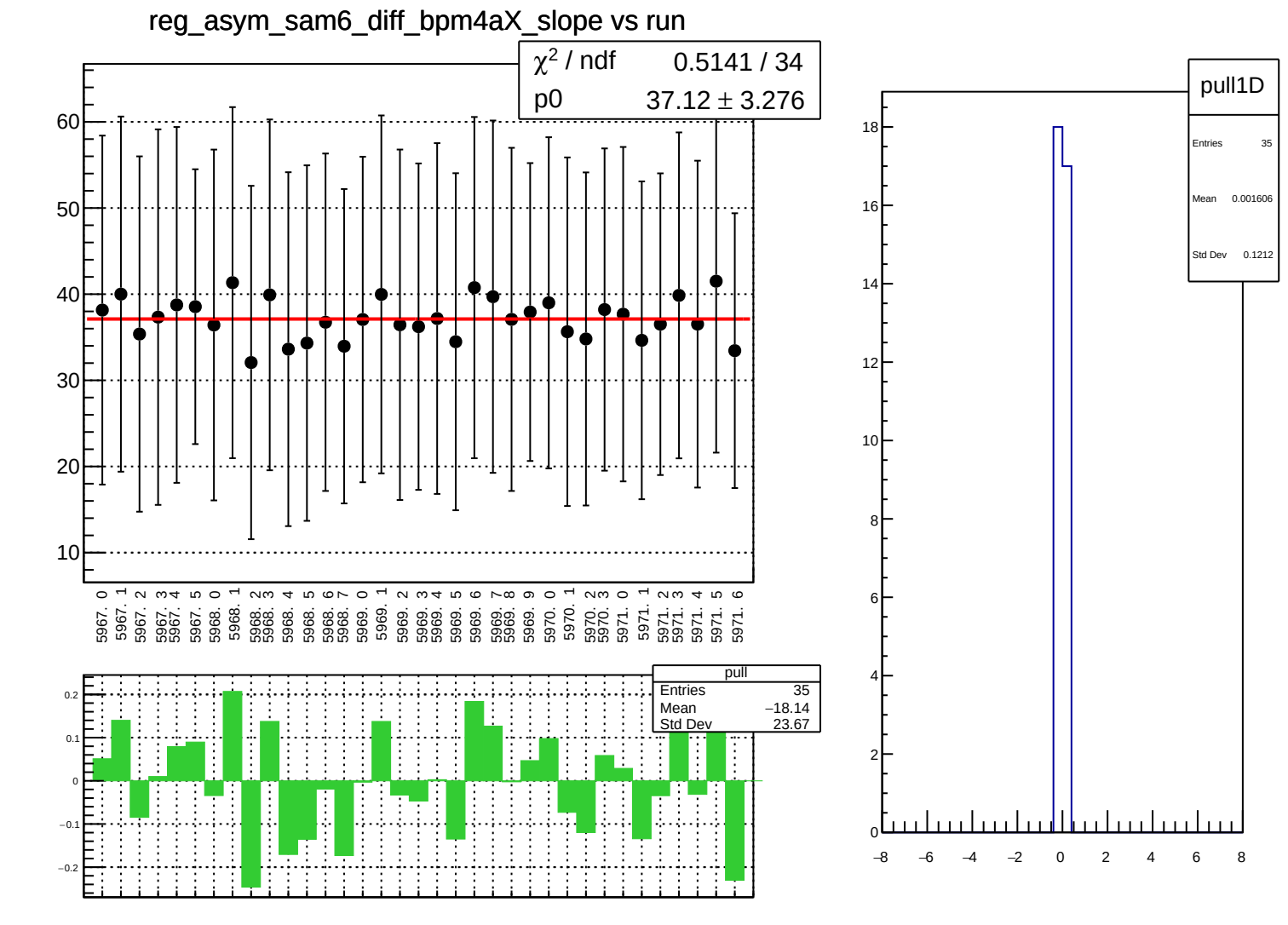

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 0.7825 / 34
p0 −4.777 ± 3.239
20
10
0
−10
−20
−30
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 135.6
Std Dev 109.7
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 35
Mean −0.001524
Std Dev 0.1495
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

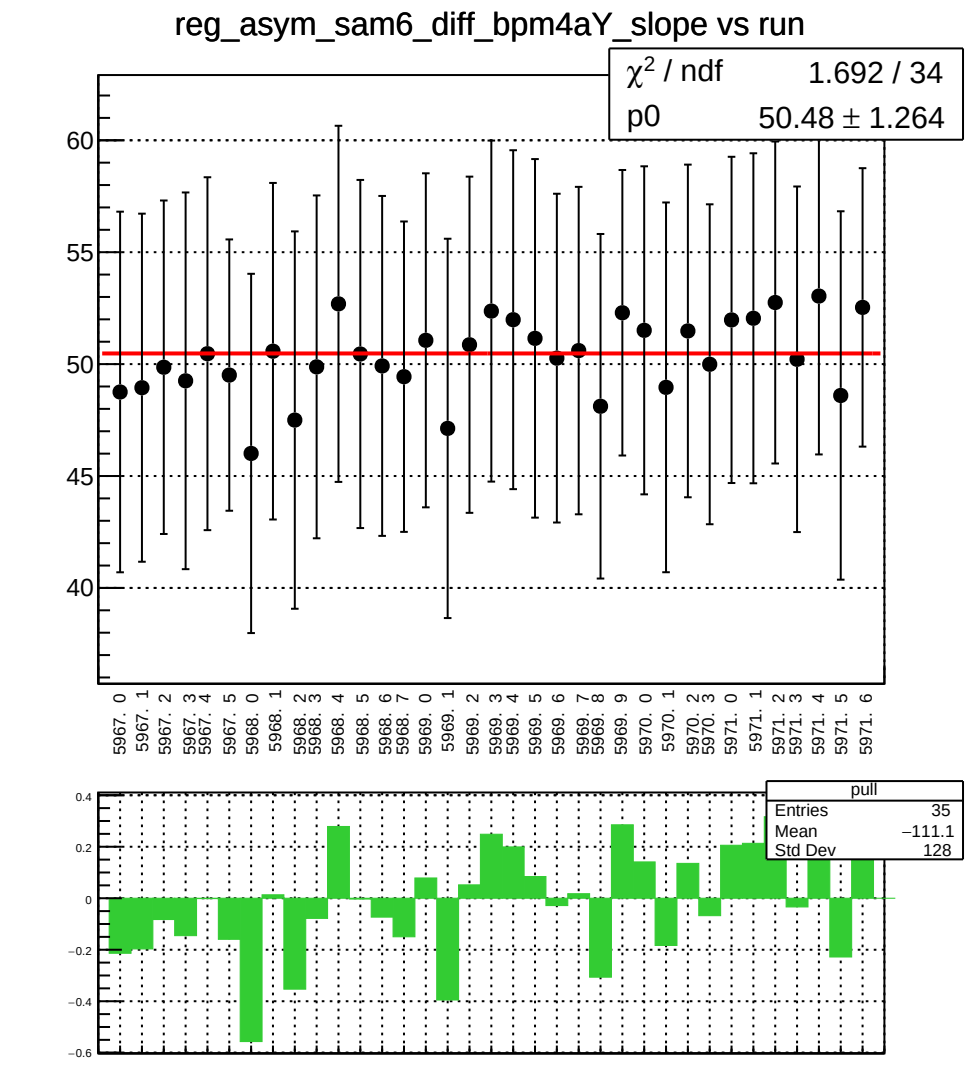

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 3.952 / 34
p0 99.03 ± 1.528
pull
Entries 35
Mean −258.8
Std Dev 278.3

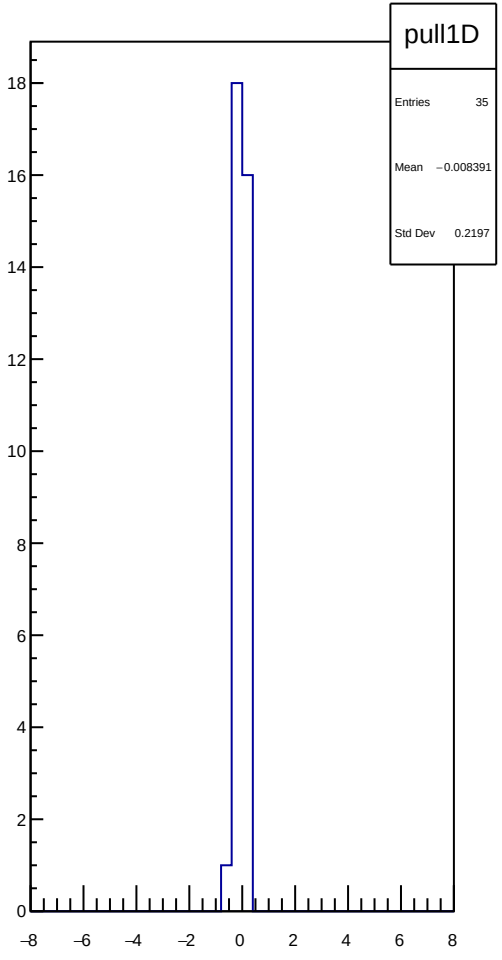

pull1D
Entries 35
Mean −0.005402
Std Dev 0.336

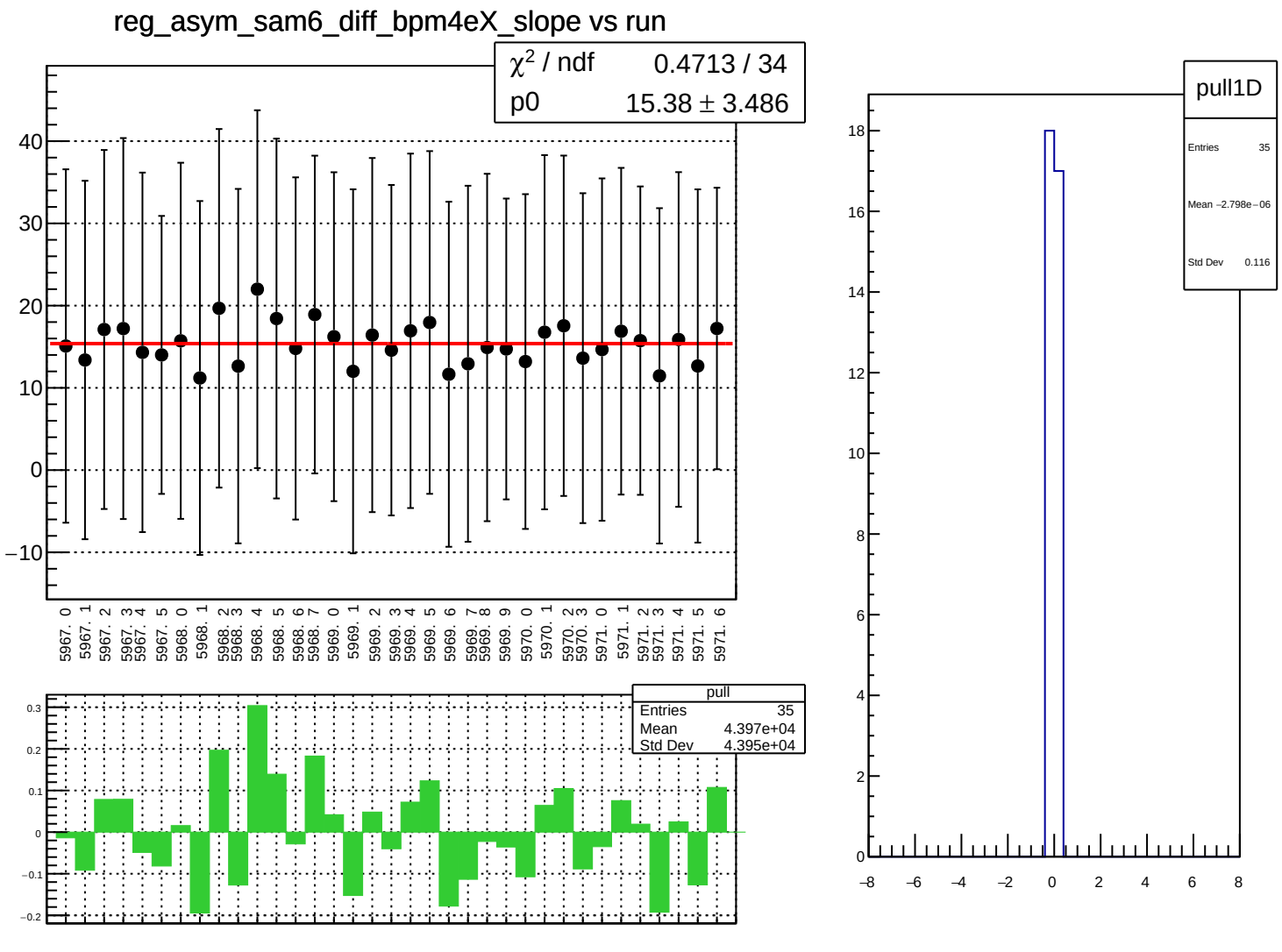

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 1.179 / 34
p0 −0.2372 ± 0.1361
pull
Entries 35
Mean −809
Std Dev 826.3

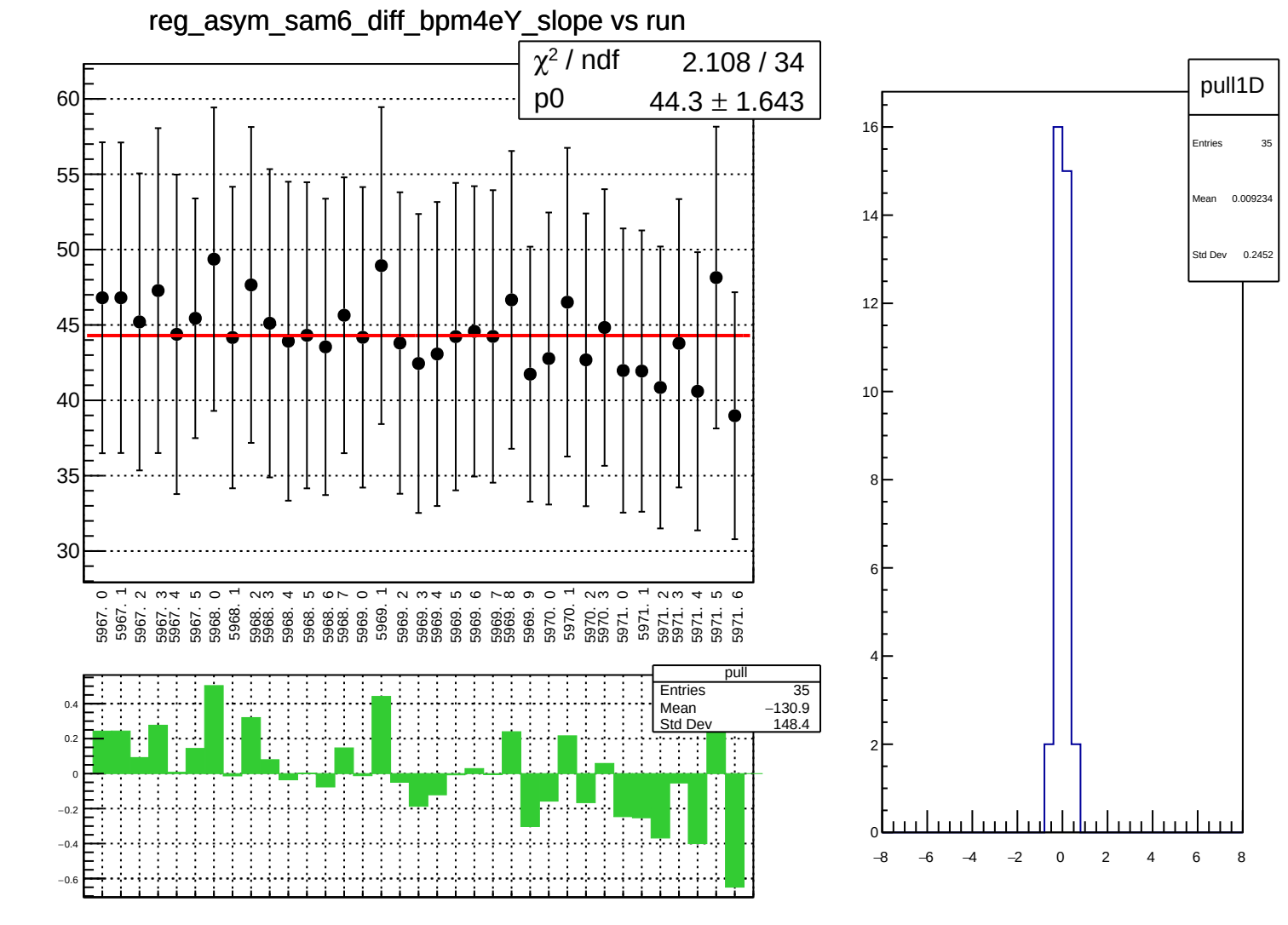

pull1D
Entries 35
Mean −0.001006
Std Dev 0.1836

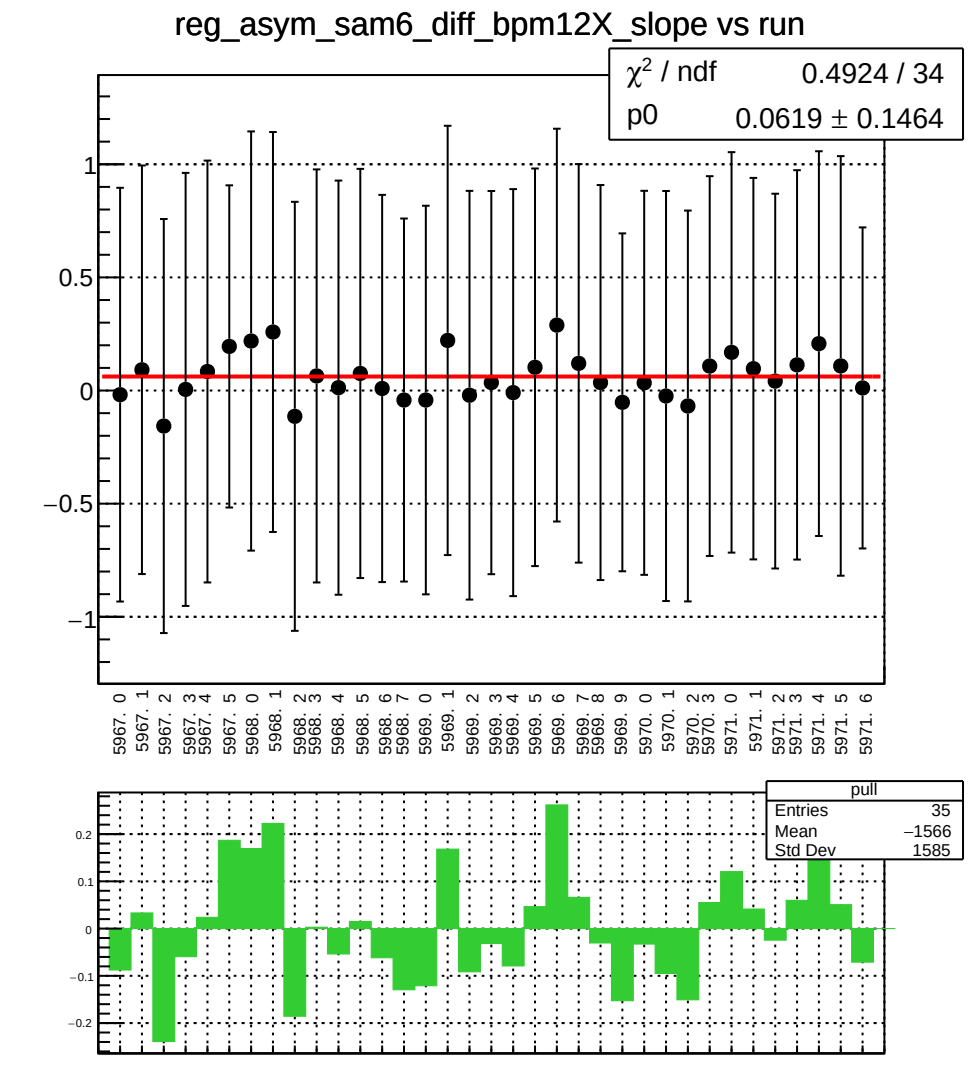

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 0.5141 / 34
p0 37.12 ± 3.276
pull
Entries 35
Mean −18.14
Std Dev 23.67
pull1D
Entries 35
Mean 0.001606
Std Dev 0.1212

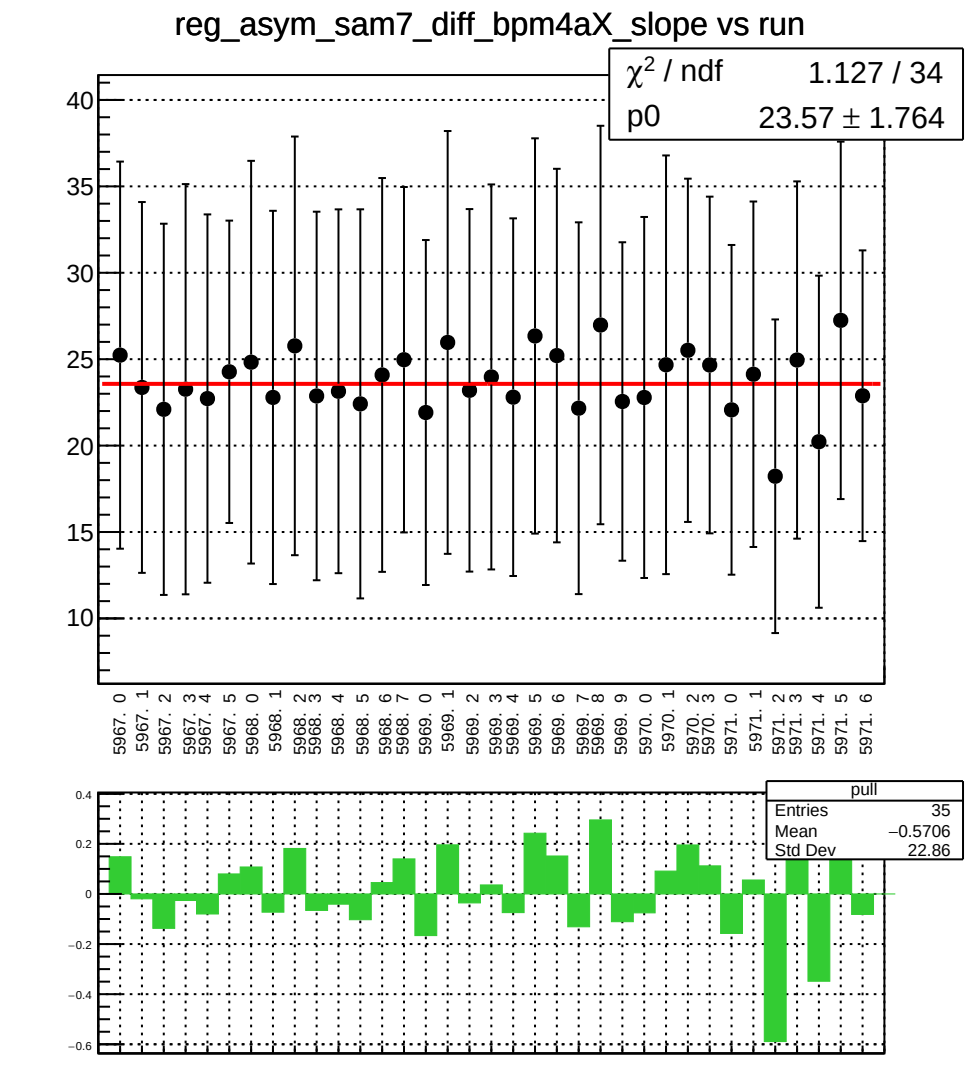

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 1.692 / 34
p0 50.48 ± 1.264
pull
Entries 35
Mean −111.1
Std Dev 128

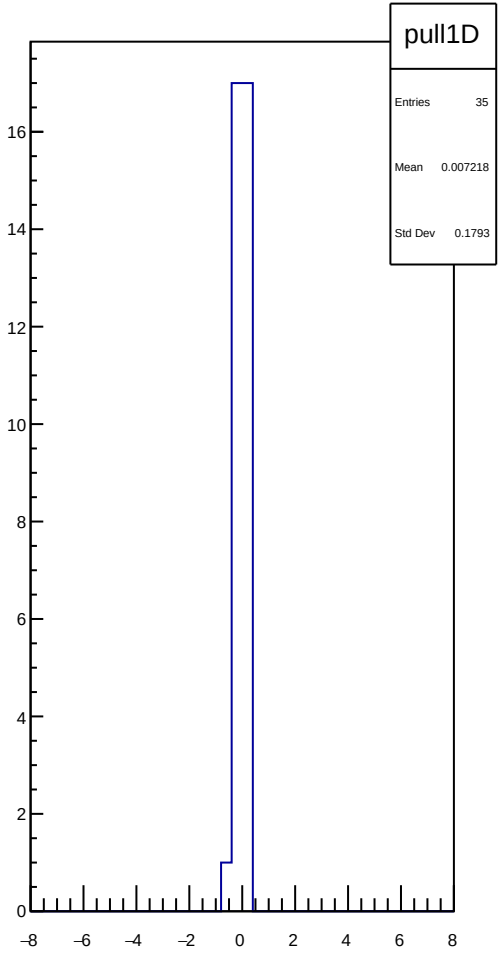

pull1D
Entries 35
Mean −0.008391
Std Dev 0.2197

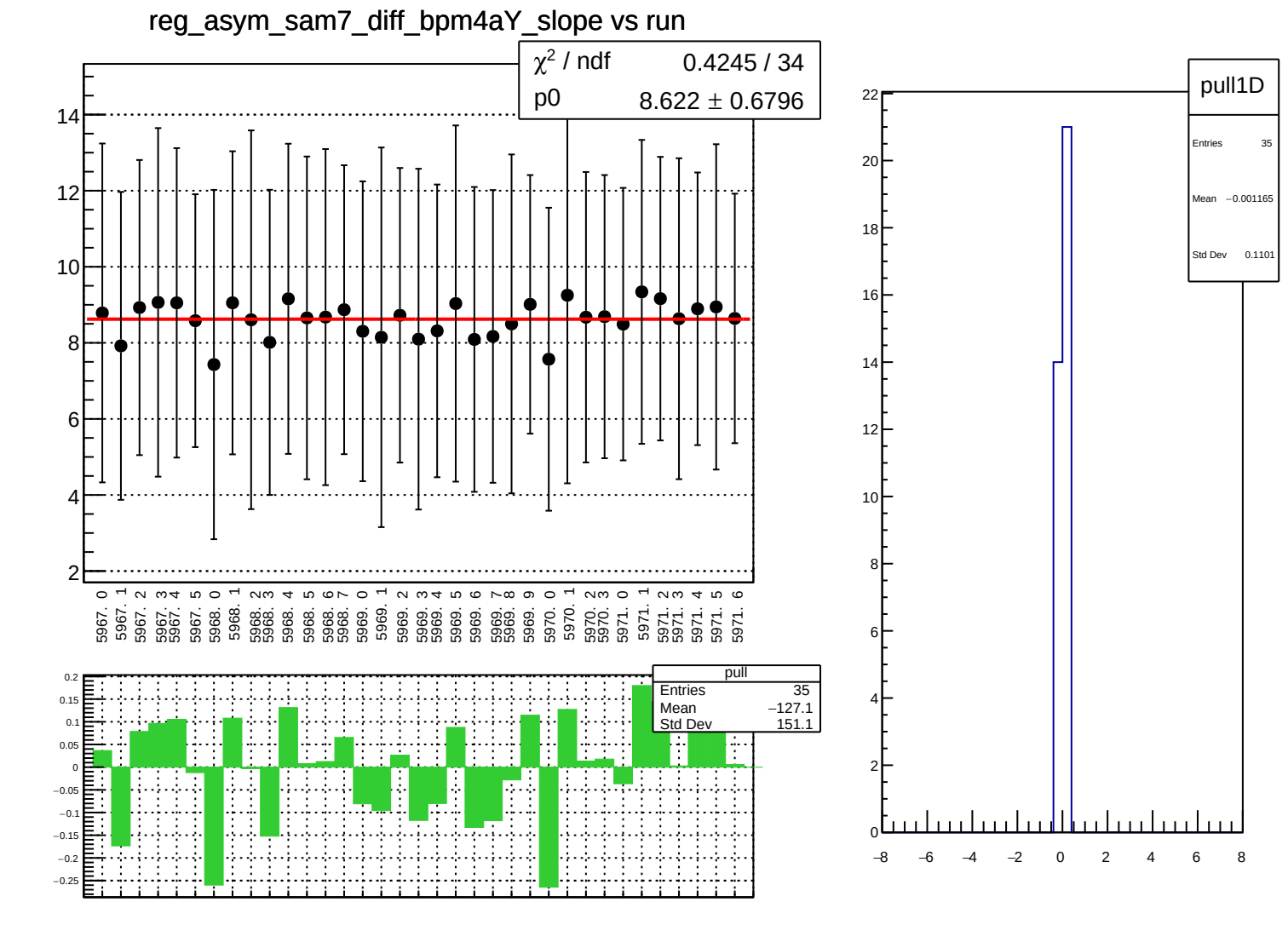

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 0.4713 / 34
p0 15.38 ± 3.486
40
30
20
10
0
−10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 4.397e+04
Std Dev 4.395e+04
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 35
Mean −2.798e−06
Std Dev 0.116
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

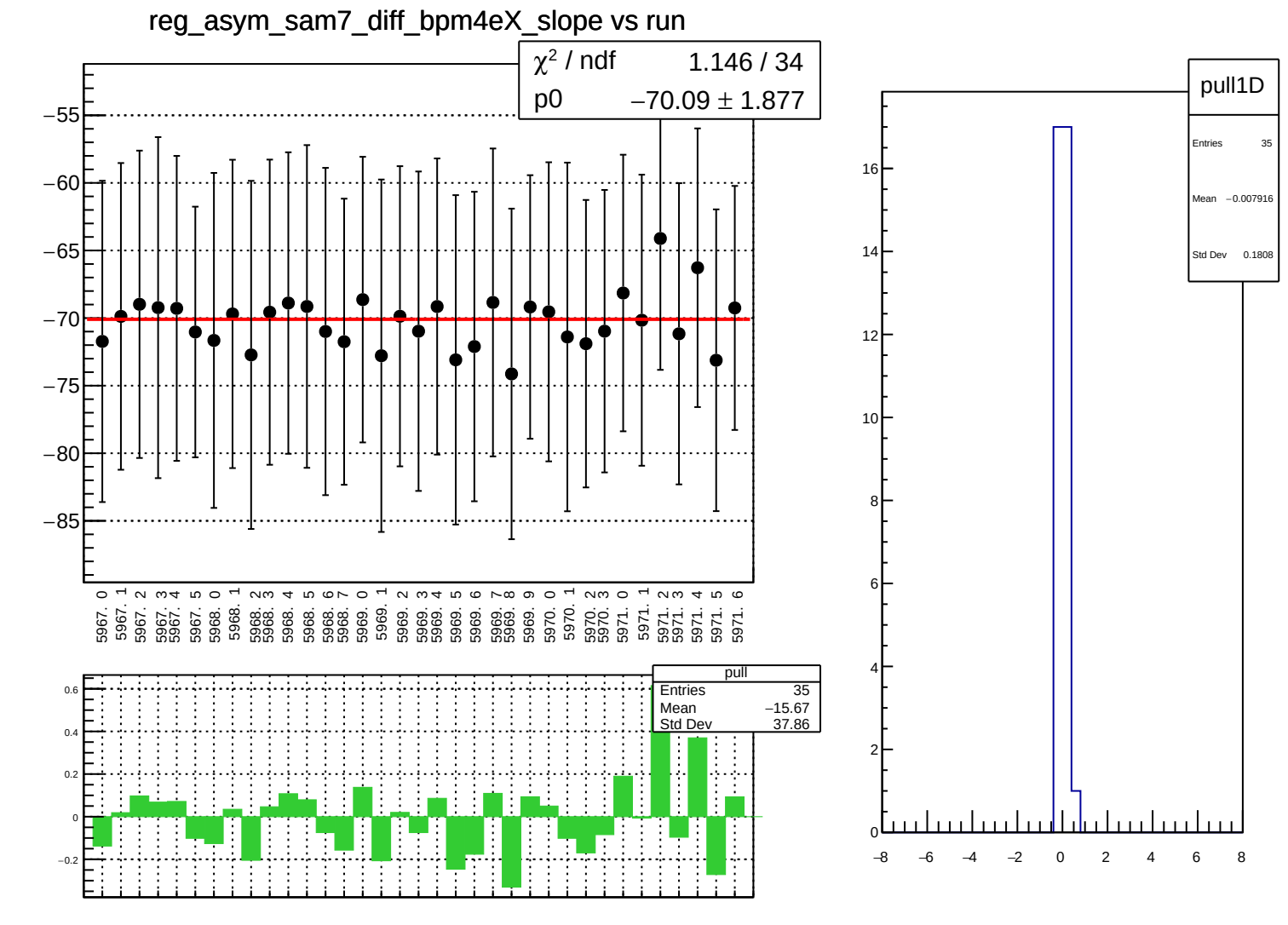

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 2.108 / 34
p0 44.3 ± 1.643
pull
Entries 35
Mean −130.9
Std Dev 148.4
pull1D
Entries 35
Mean 0.009234
Std Dev 0.2452

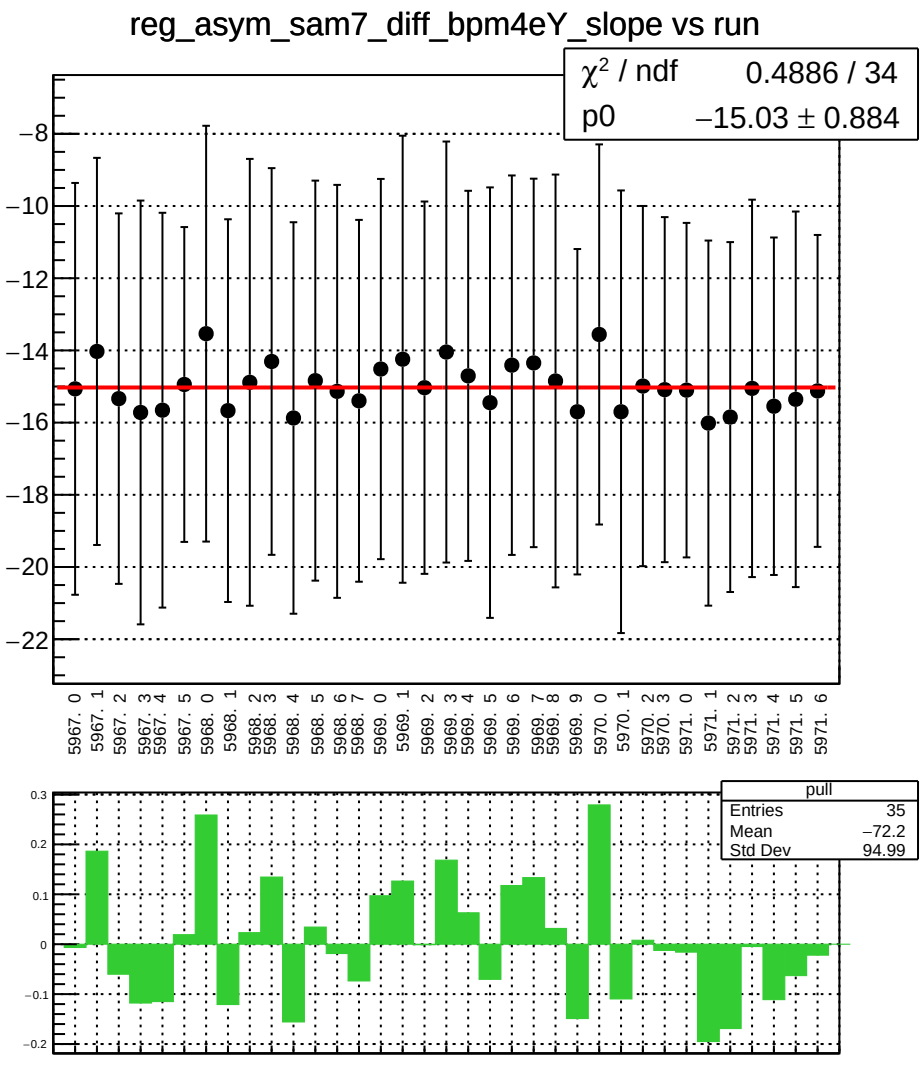

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 0.4924 / 34
p0 0.0619 ± 0.1464
1
0.5
0
−0.5
−1
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −1566
Std Dev 1585
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 35
Mean −7.806e−05
Std Dev 0.1186
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

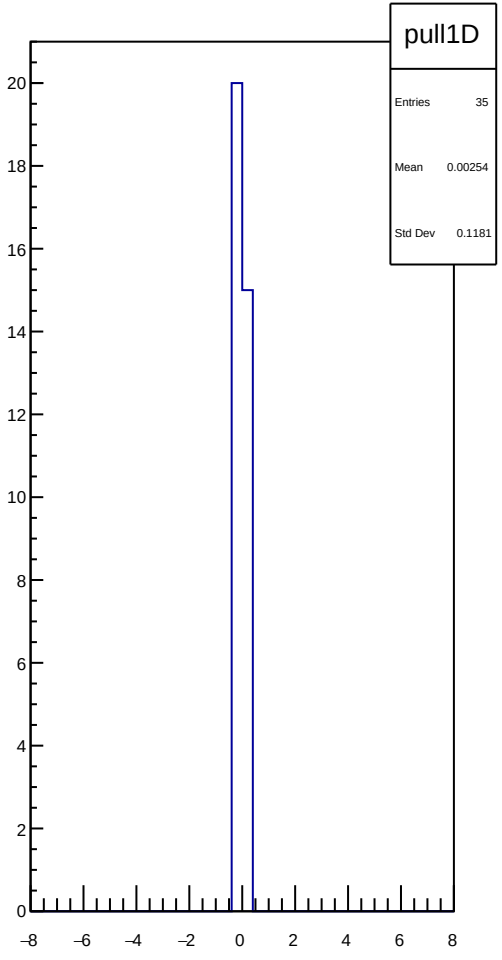

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 1.127 / 34
p0 23.57 ± 1.764
40
35
30
25
20
15
10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −0.5706
Std Dev 22.86
0.4
0.2
0
−0.2
−0.4
−0.6

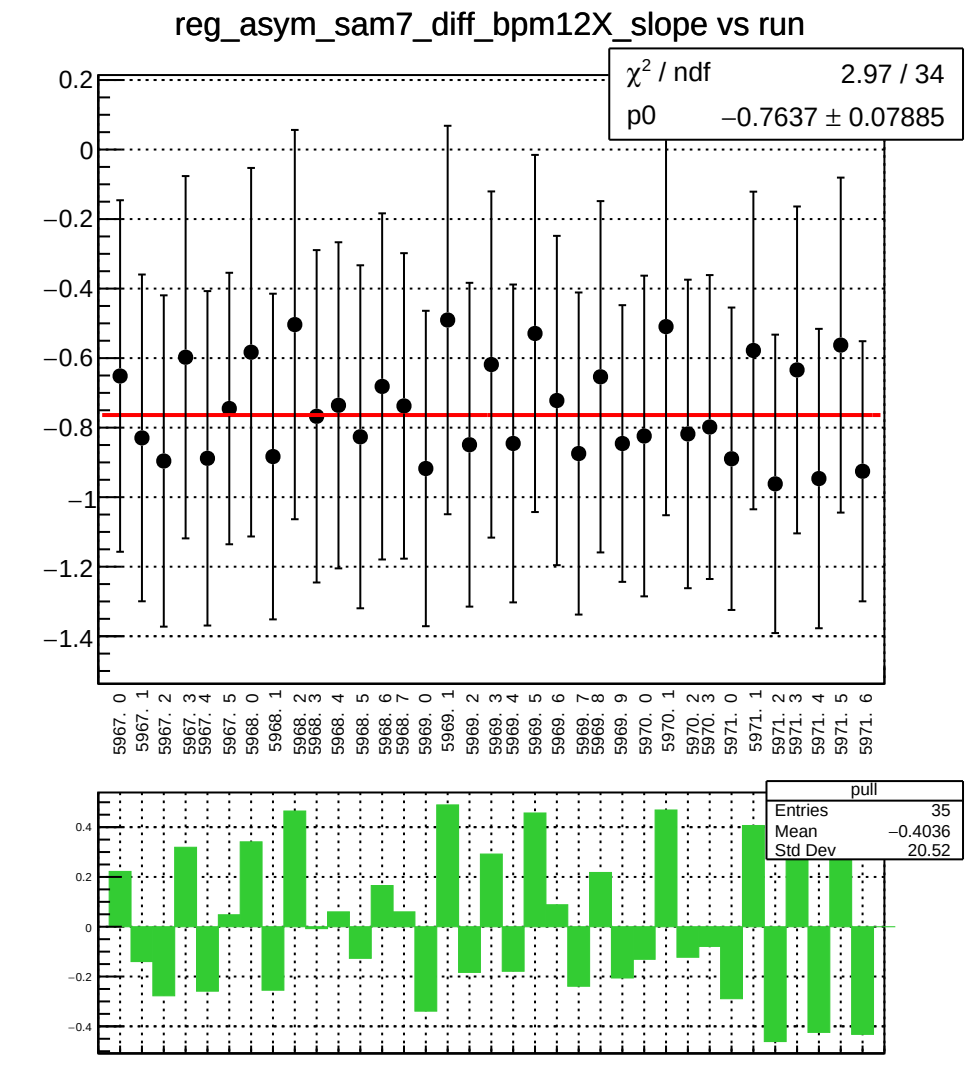

pull1D
Entries 35
Mean 0.007218
Std Dev 0.1793
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

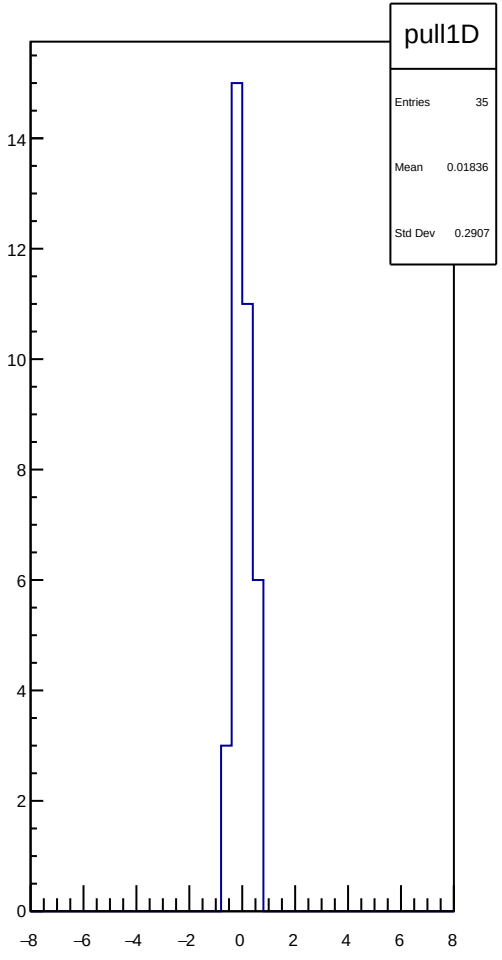

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 0.4245 / 34
p0 8.622 ± 0.6796
pull
Entries 35
Mean −127.1
Std Dev 151.1
pull1D
Entries 35
Mean −0.001165
Std Dev 0.1101

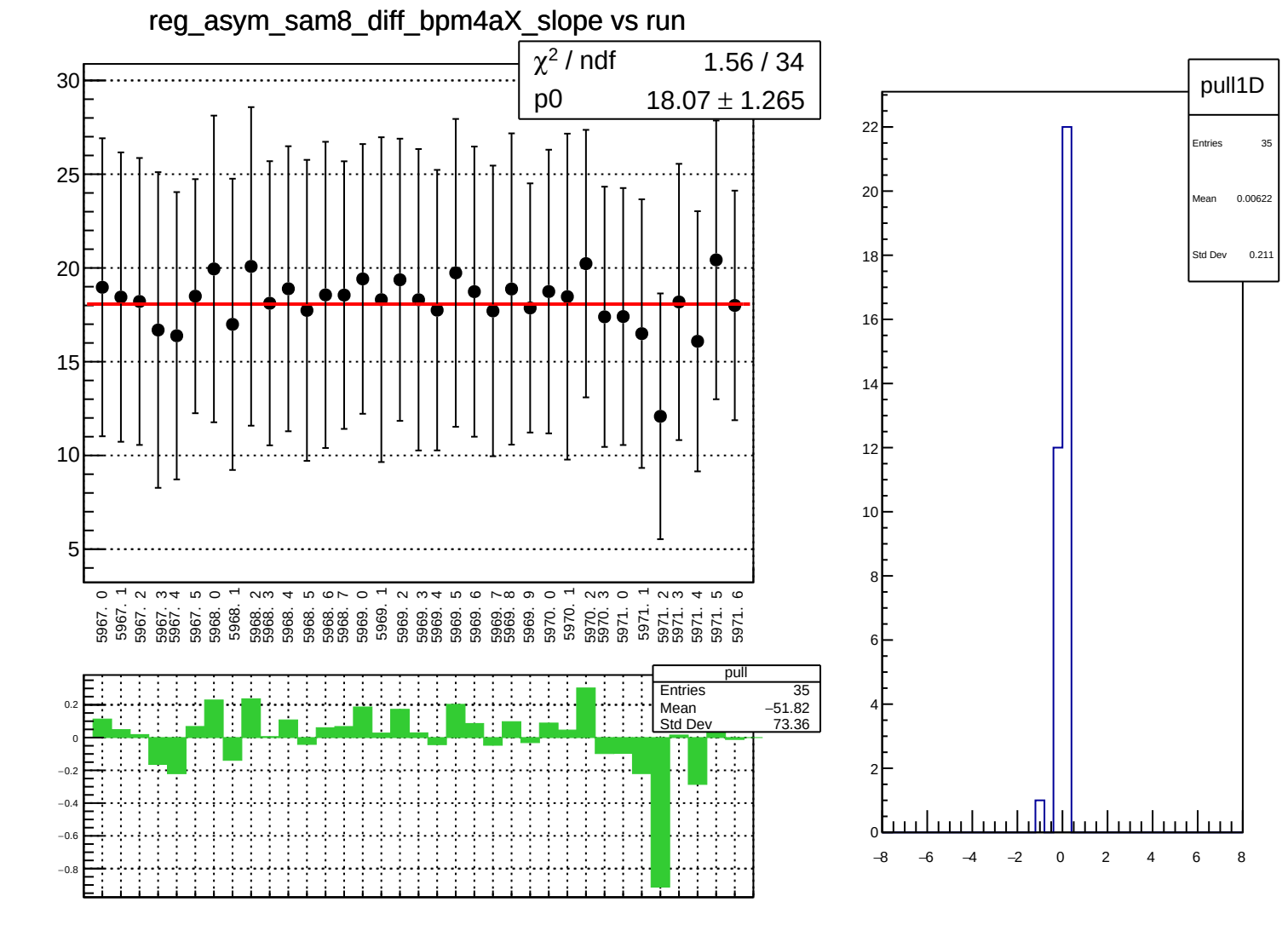

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1.146 / 34
p0 −70.09 ± 1.877
pull
Entries 35
Mean −15.67
Std Dev 37.86
pull1D
Entries 35
Mean −0.007916
Std Dev 0.1808

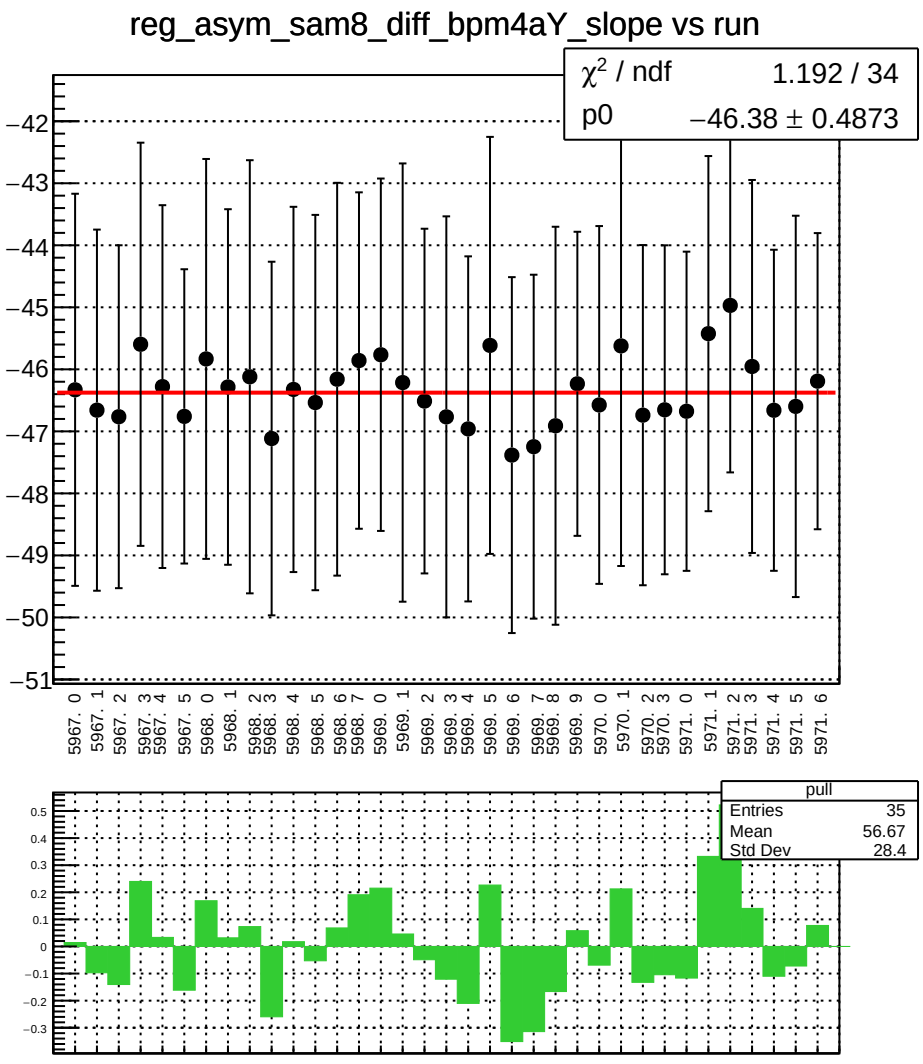

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 0.4886 / 34
p0 −15.03 ± 0.884
pull
Entries 35
Mean −72.2
Std Dev 94.99

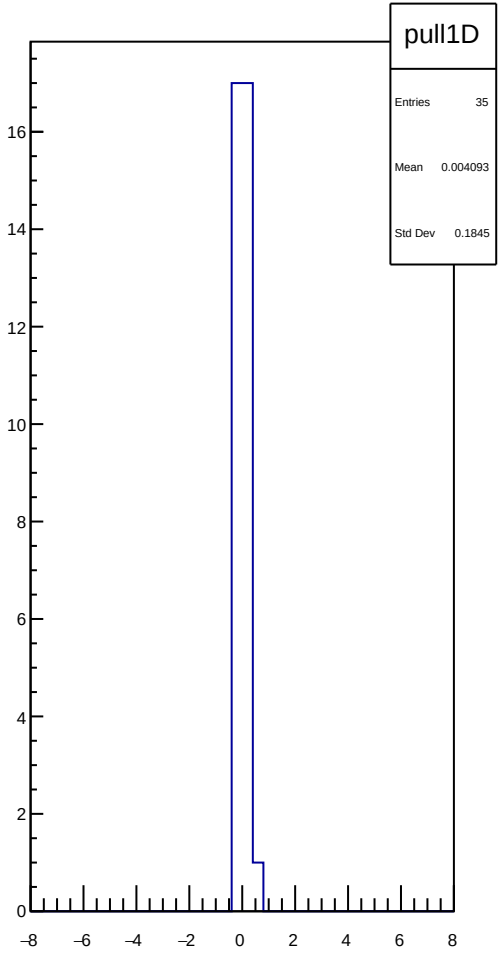

pull1D
Entries 35
Mean 0.00254
Std Dev 0.1181

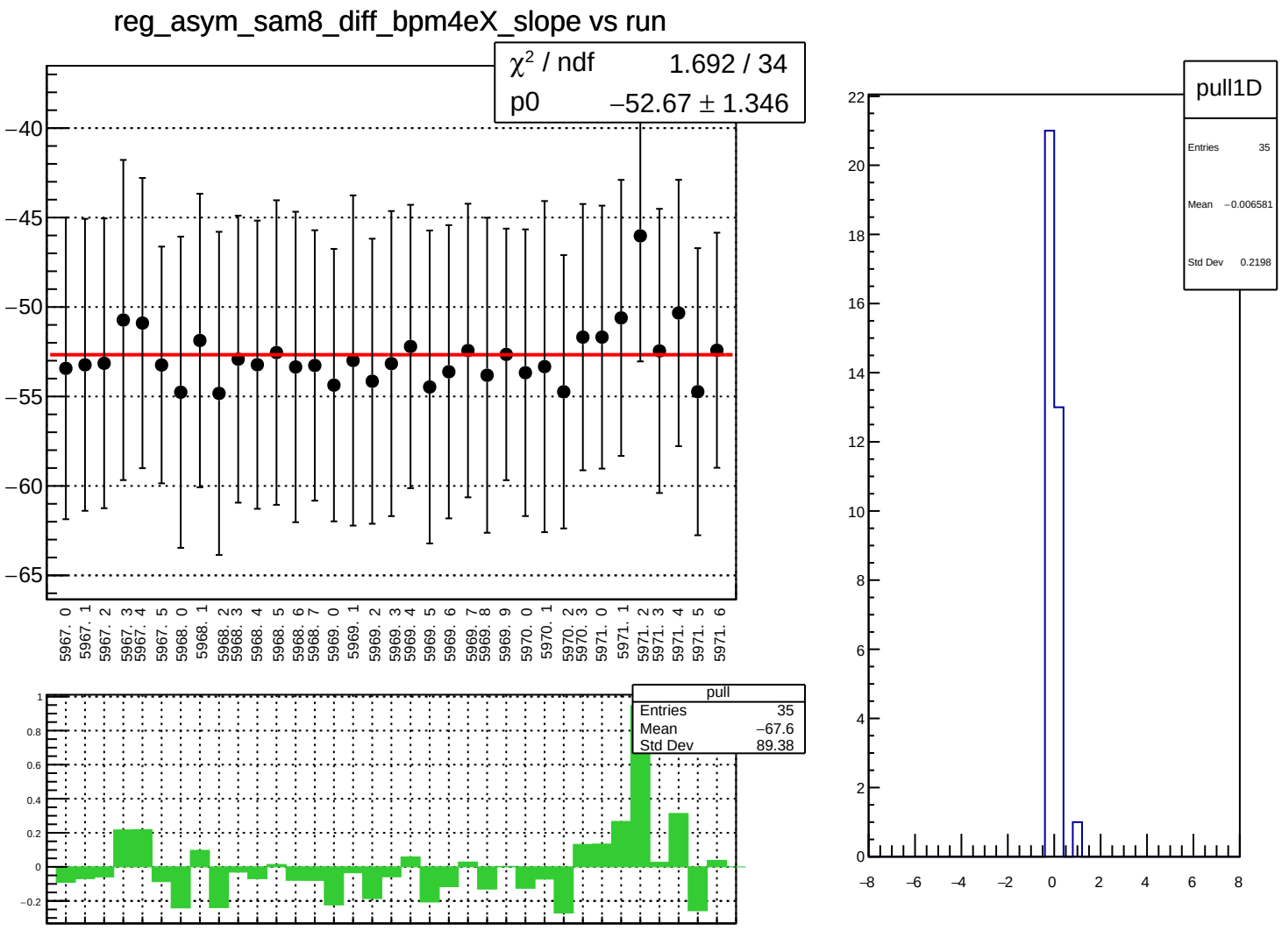

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 2.97 / 34
p0 −0.7637 ± 0.07885
pull
Entries 35
Mean −0.4036
Std Dev 20.52

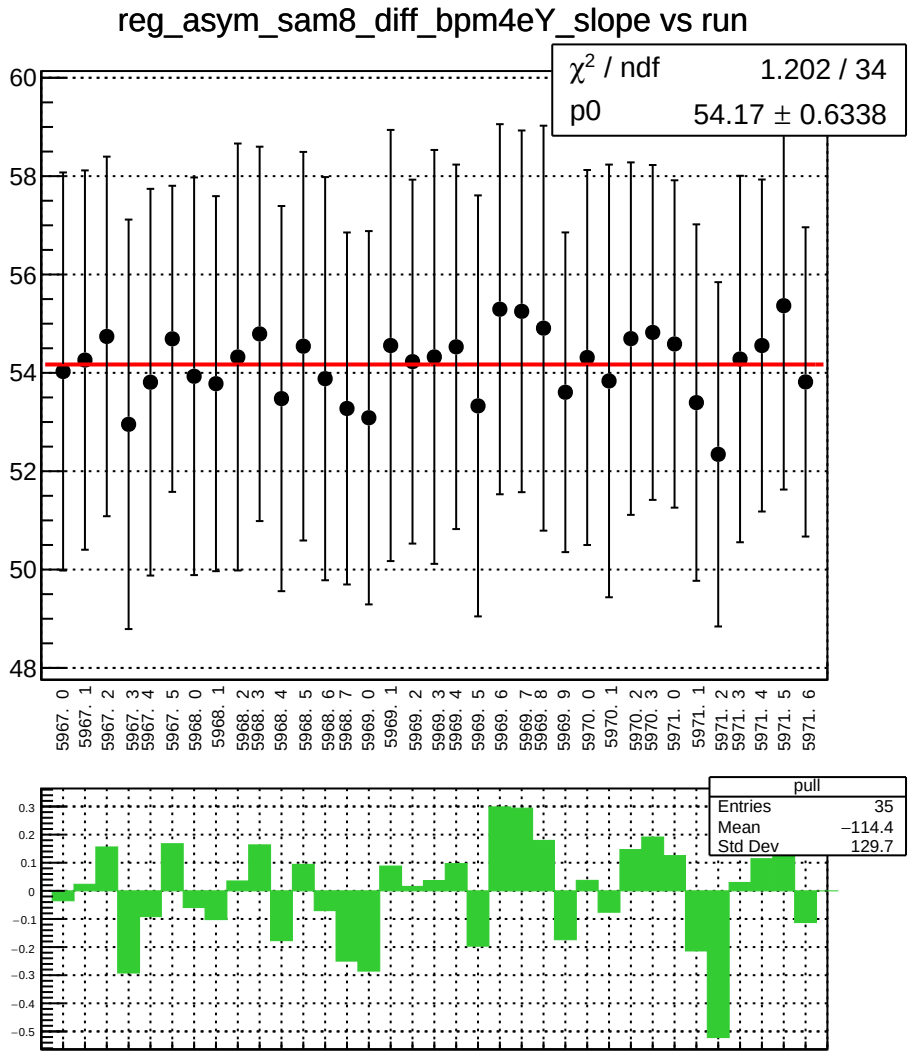

pull1D
Entries 35
Mean 0.01836
Std Dev 0.2907

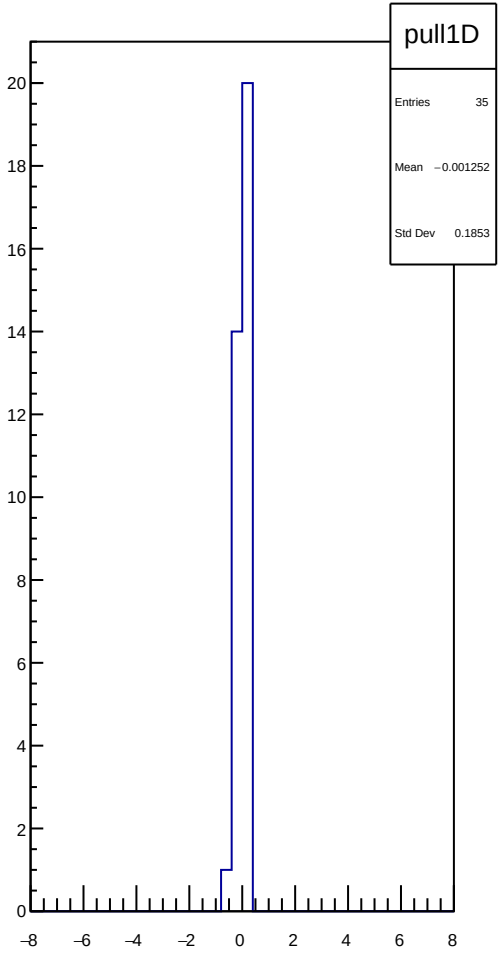

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 1.56 / 34
p0 18.07 ± 1.265
30
25
20
15
10
5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −51.82
Std Dev 73.36
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 0.00622
Std Dev 0.211
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

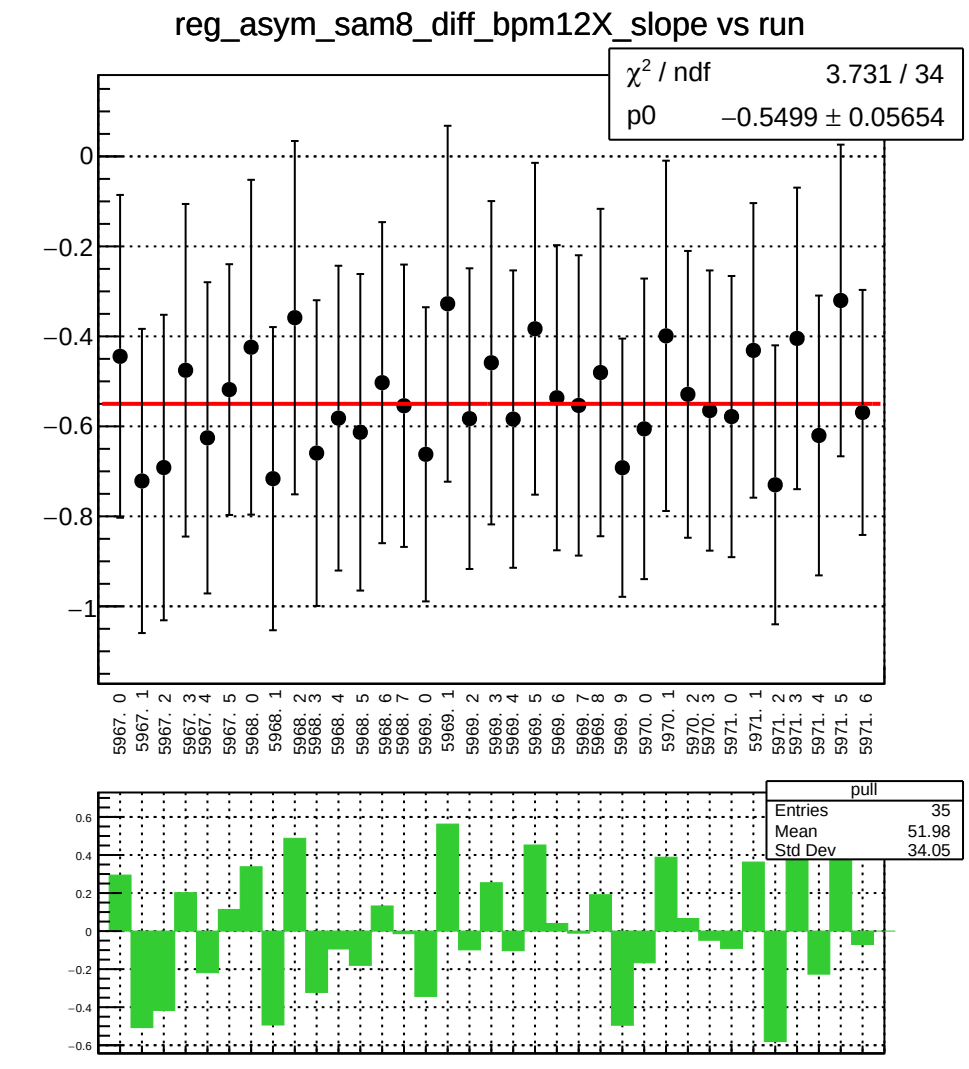

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 1.192 / 34
p0 −46.38 ± 0.4873
−42
−43
−44
−45
−46
−47
−48
−49
−50
−51
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 56.67
Std Dev 28.4
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

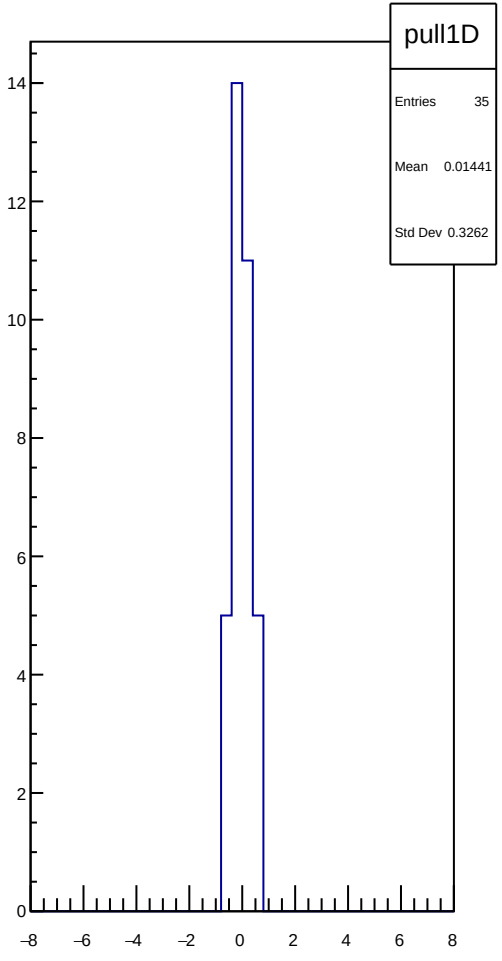

pull1D
Entries 35
Mean 0.004093
Std Dev 0.1845
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

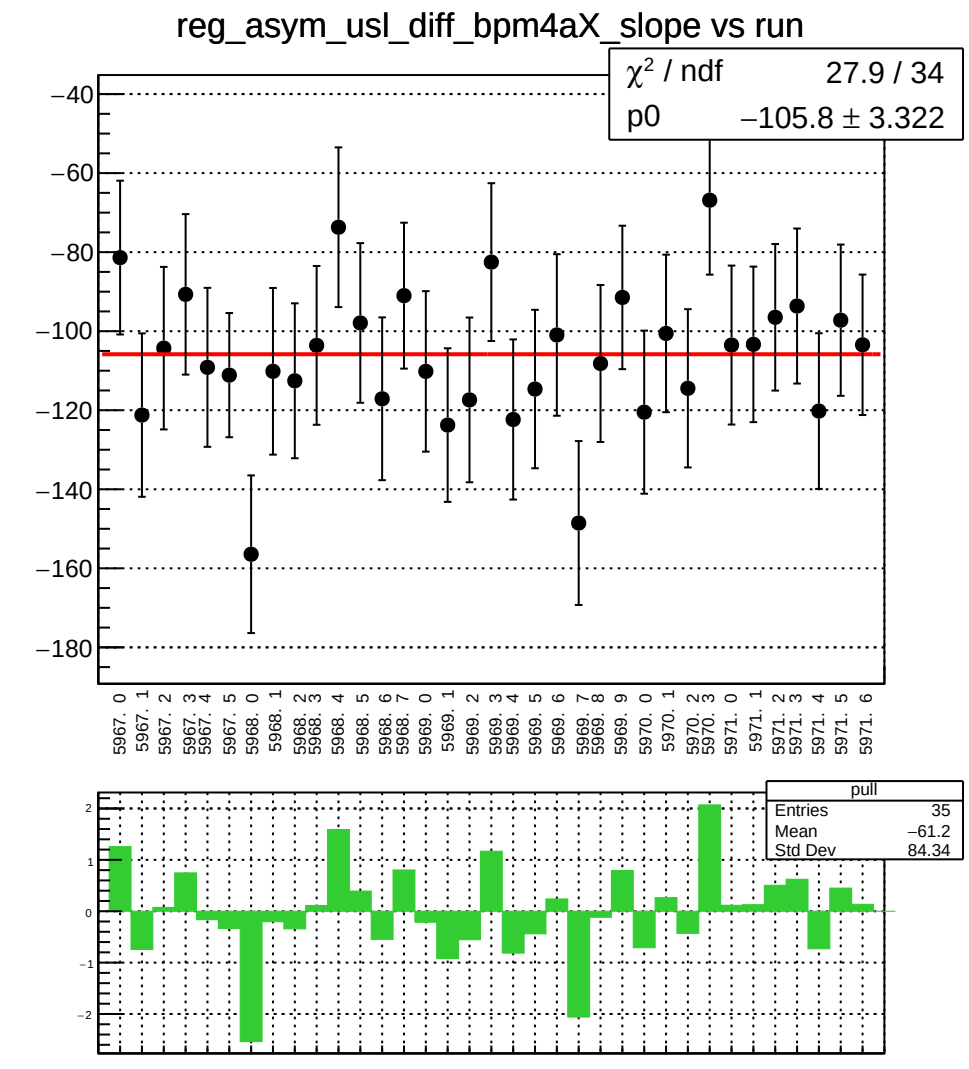

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 1.692 / 34
p0 −52.67 ± 1.346
−40
−45
−50
−55
−60
−65
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −67.6
Std Dev 89.38
1
0.8
0.6
0.4
0.2
0
−0.2
pull1D
Entries 35
Mean −0.006581
Std Dev 0.2198
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

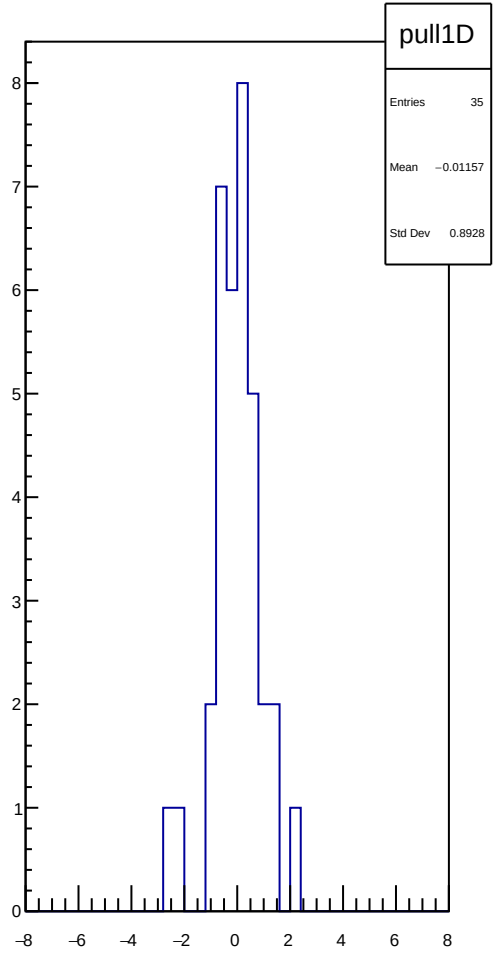

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1.202 / 34
p0 54.17 ± 0.6338
pull
Entries 35
Mean −114.4
Std Dev 129.7

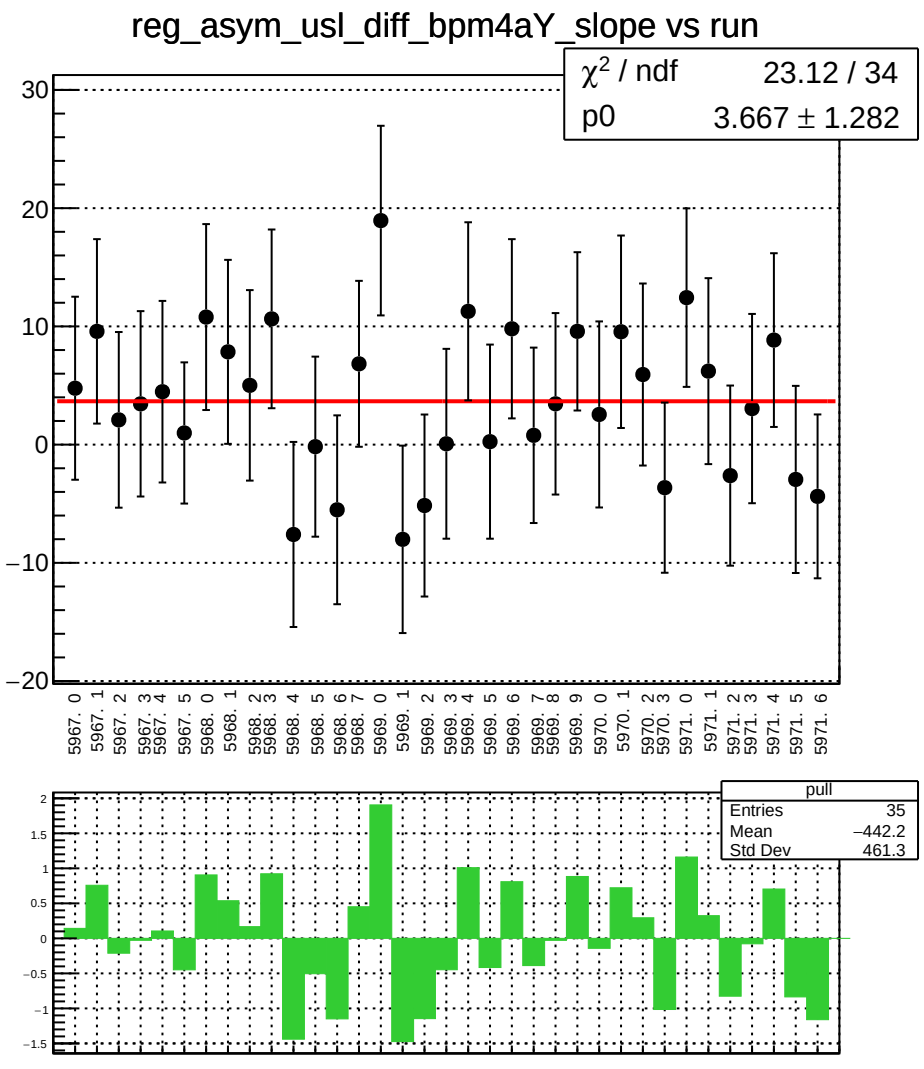

pull1D
Entries 35
Mean −0.001252
Std Dev 0.1853

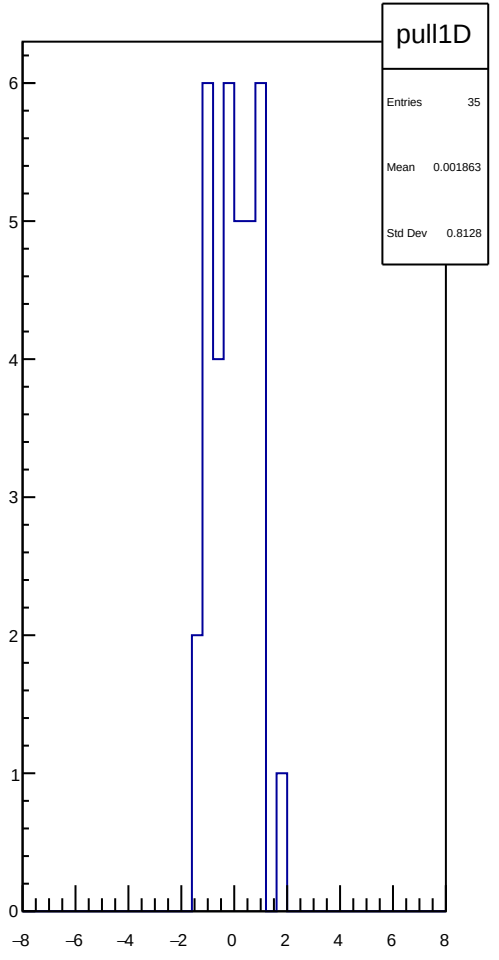

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 3.731 / 34
p0 −0.5499 ± 0.05654
pull
Entries 35
Mean 51.98
Std Dev 34.05

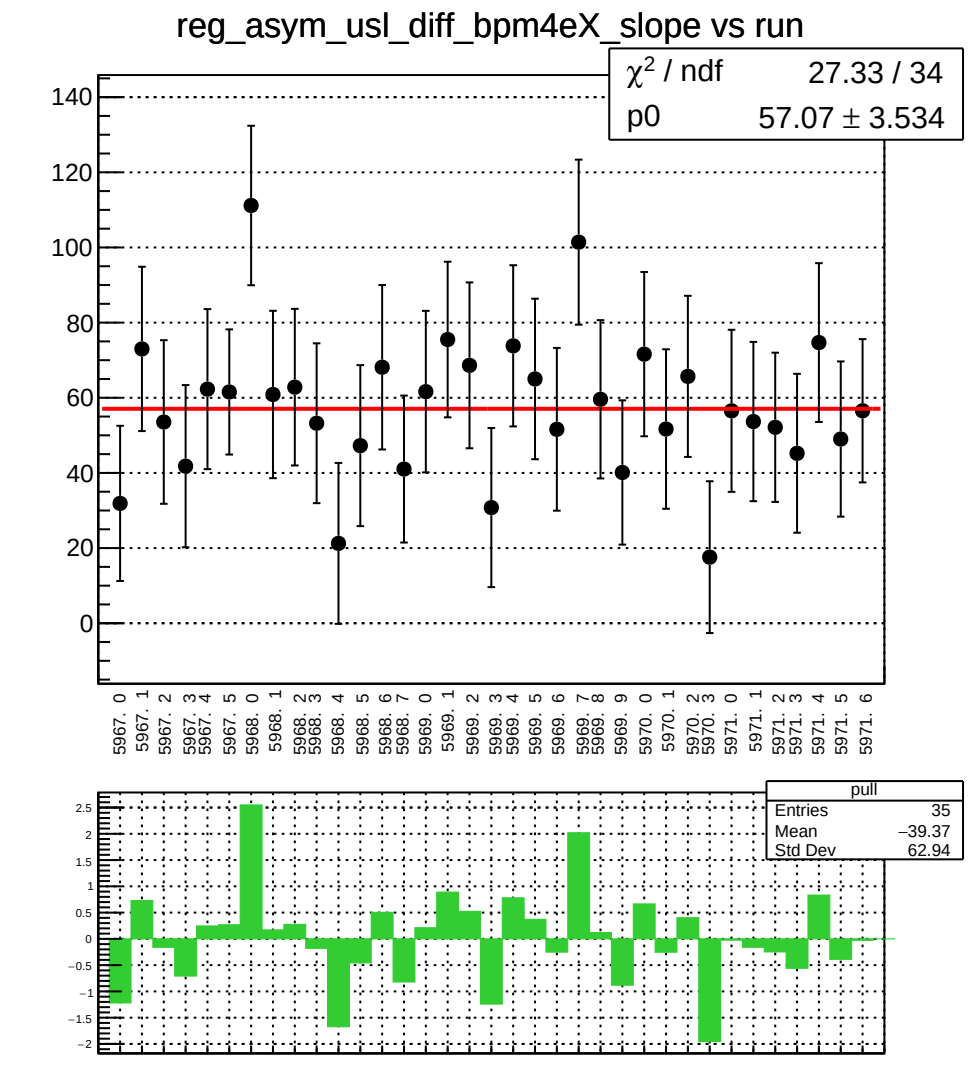

pull1D
Entries 35
Mean 0.01441
Std Dev 0.3262

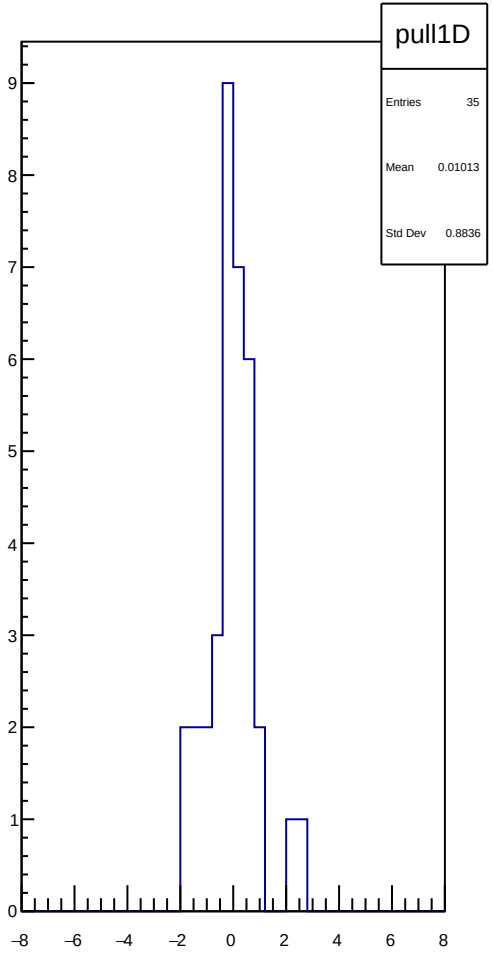

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 27.9 / 34
p0 −105.8 ± 3.322
pull
Entries 35
Mean −61.2
Std Dev 84.34

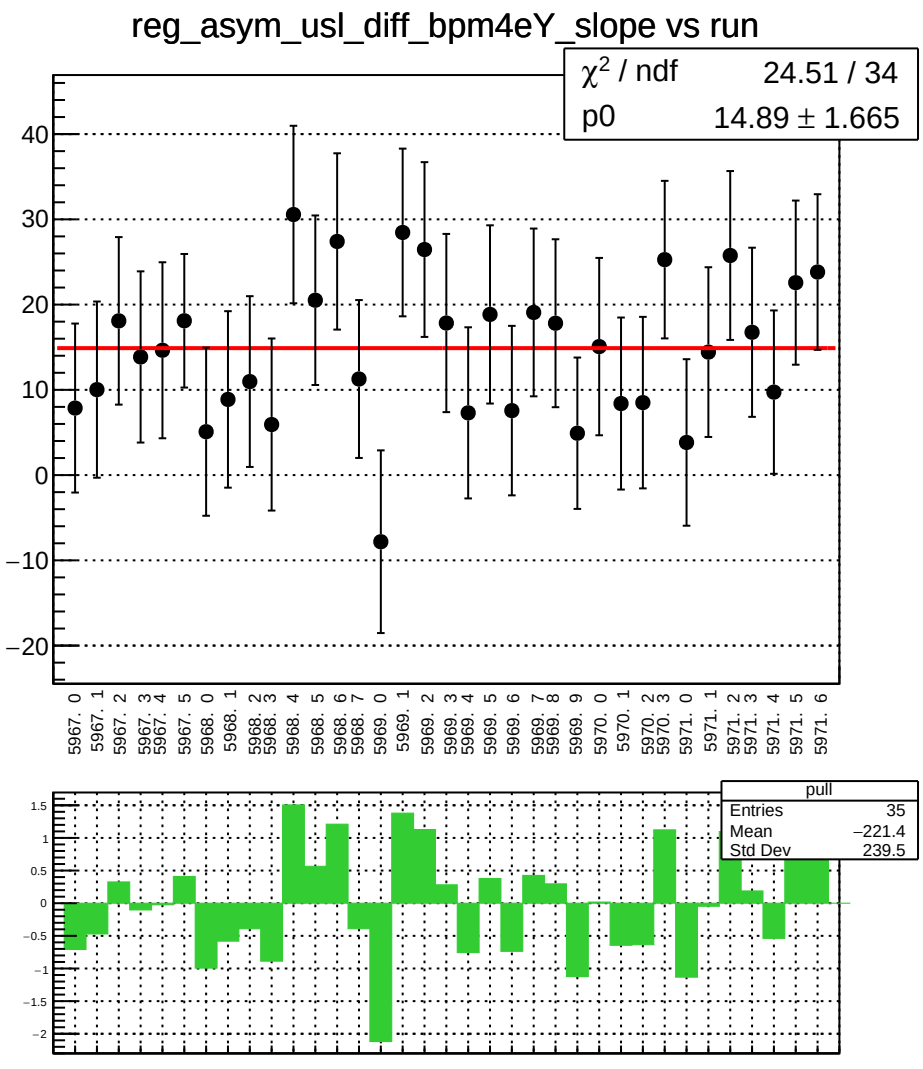

pull1D
Entries 35
Mean −0.01157
Std Dev 0.8928

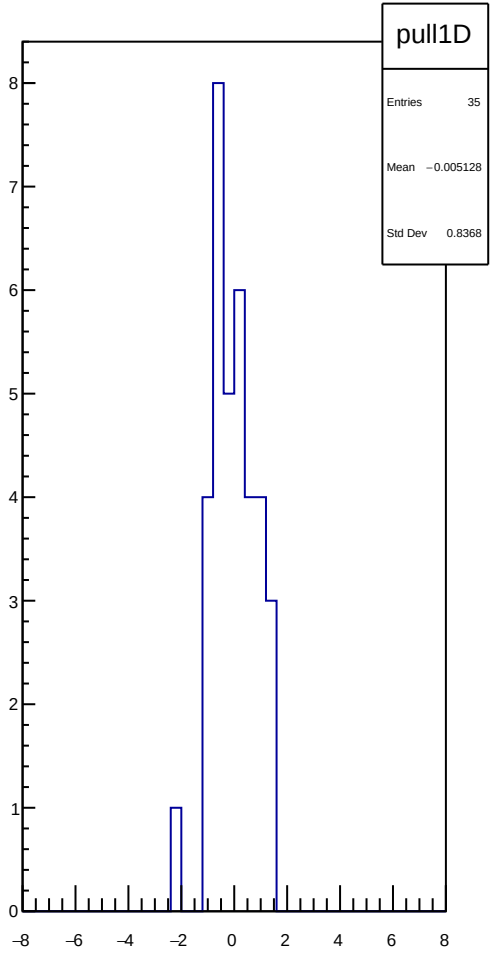

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 23.12 / 34
p0 3.667 ± 1.282
30
20
10
0
−10
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −442.2
Std Dev 461.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

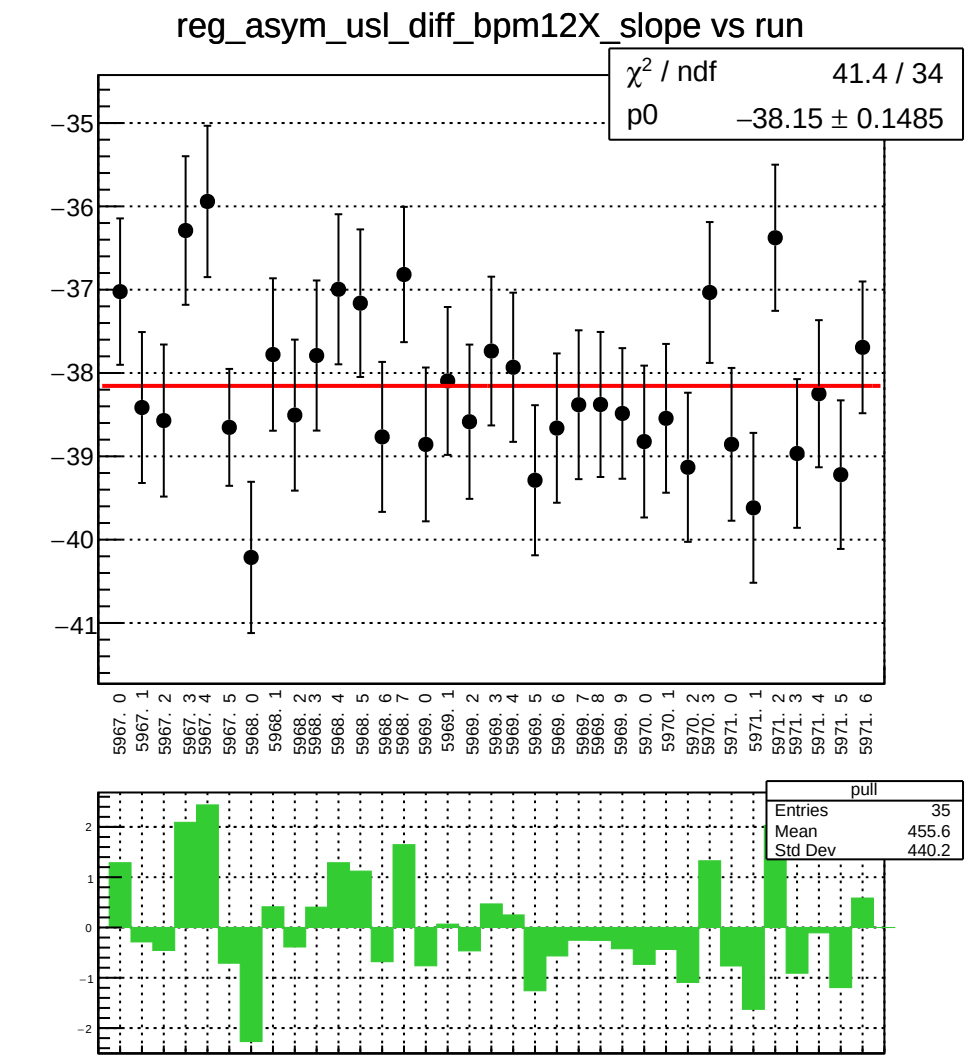

pull1D
Entries 35
Mean 0.001863
Std Dev 0.8128
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

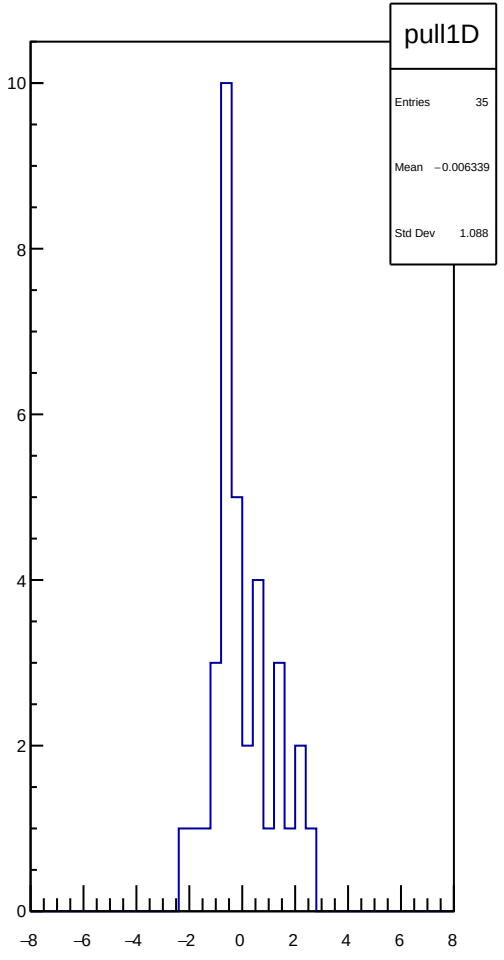

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 27.33 / 34
p0 57.07 ± 3.534
pull
Entries 35
Mean −39.37
Std Dev 62.94

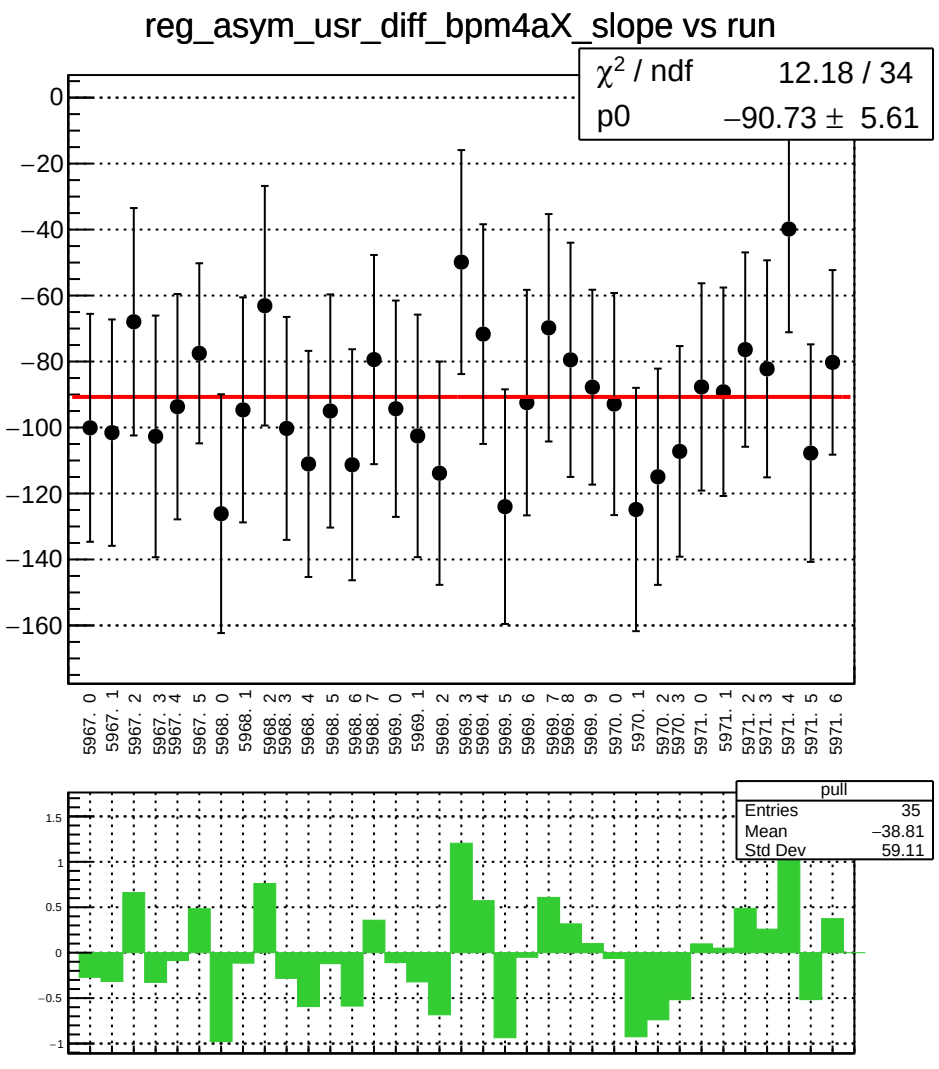

pull1D
Entries 35
Mean 0.01013
Std Dev 0.8836

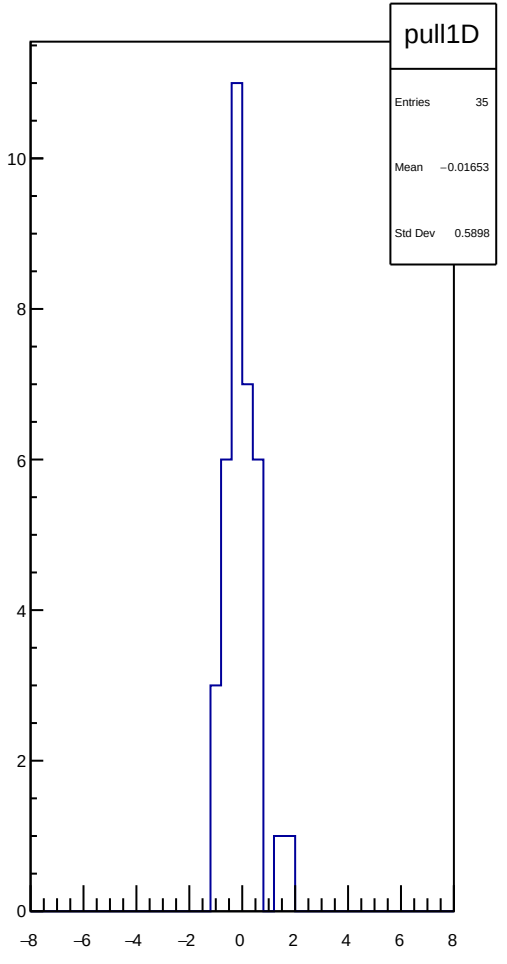

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 24.51 / 34
p0 14.89 ± 1.665
pull
Entries 35
Mean −221.4
Std Dev 239.5

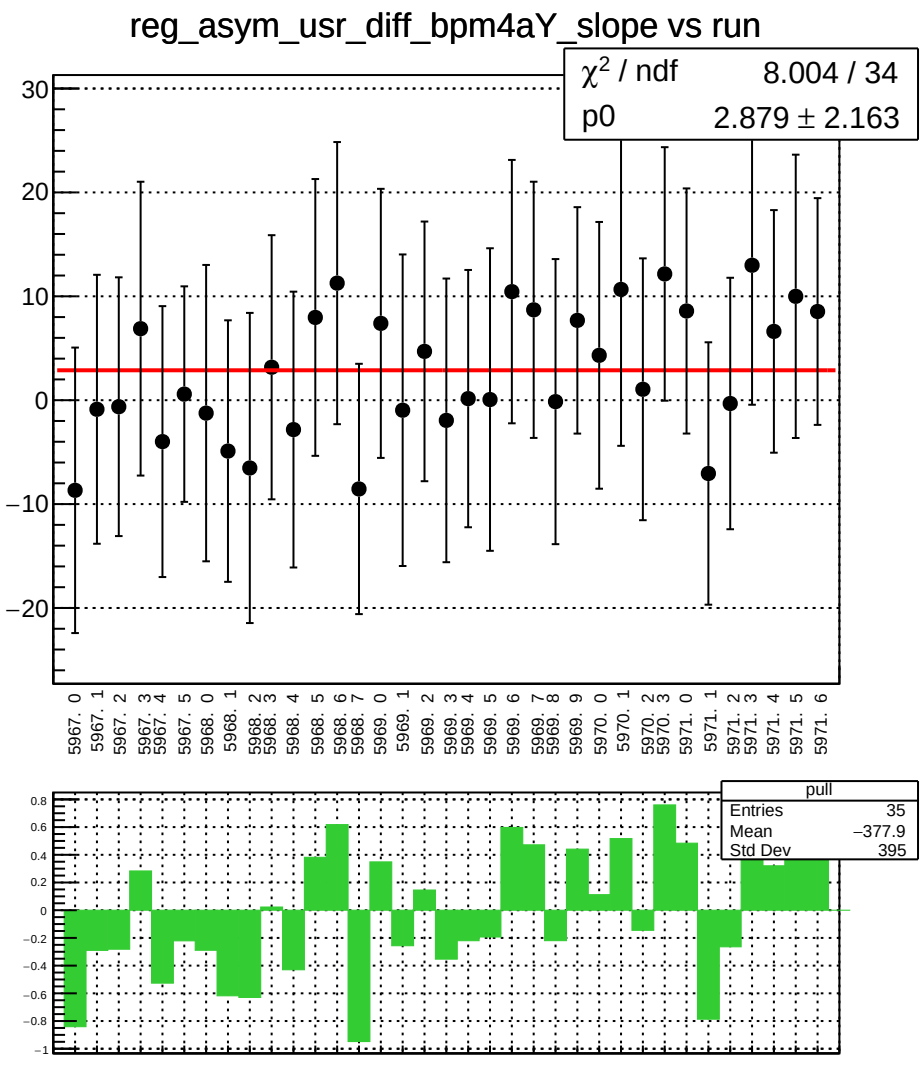

pull1D
Entries 35
Mean −0.005128
Std Dev 0.8368

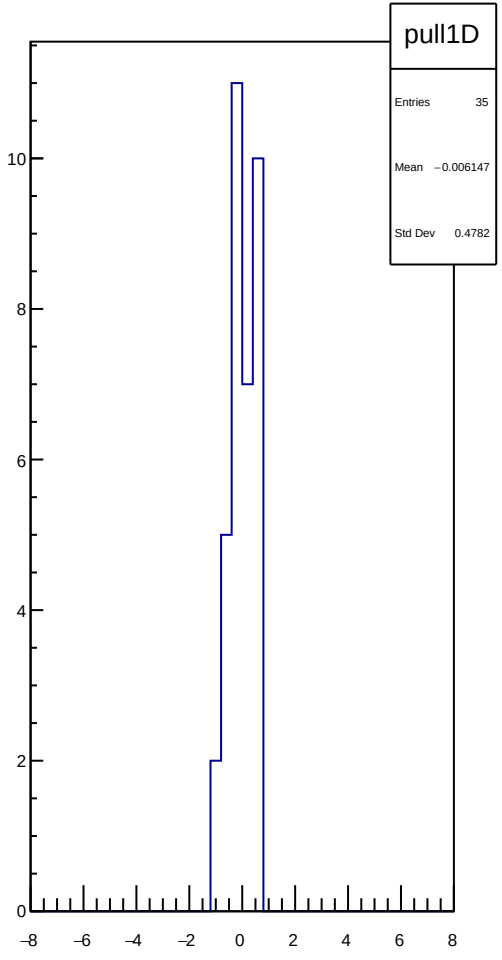

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 41.4 / 34
p0 −38.15 ± 0.1485
pull
Entries 35
Mean 455.6
Std Dev 440.2

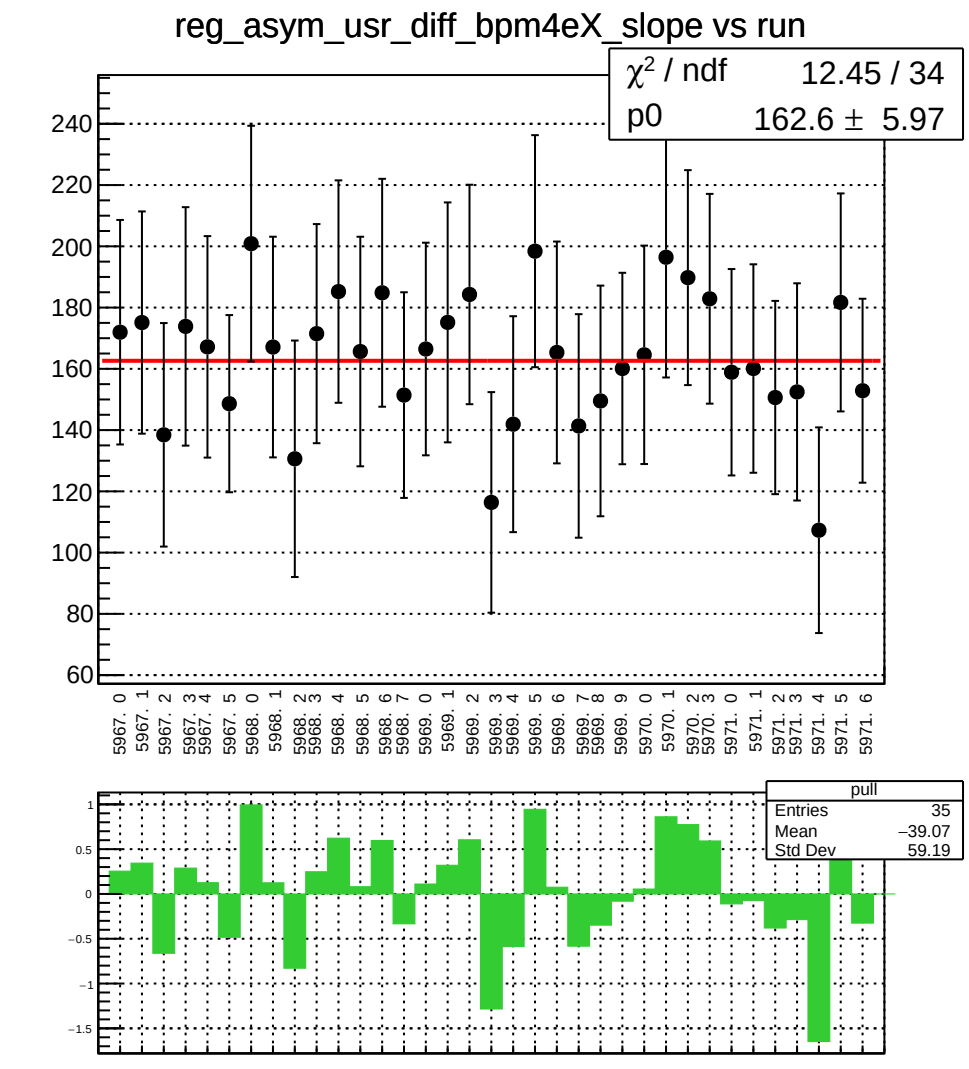

pull1D
Entries 35
Mean −0.006339
Std Dev 1.088

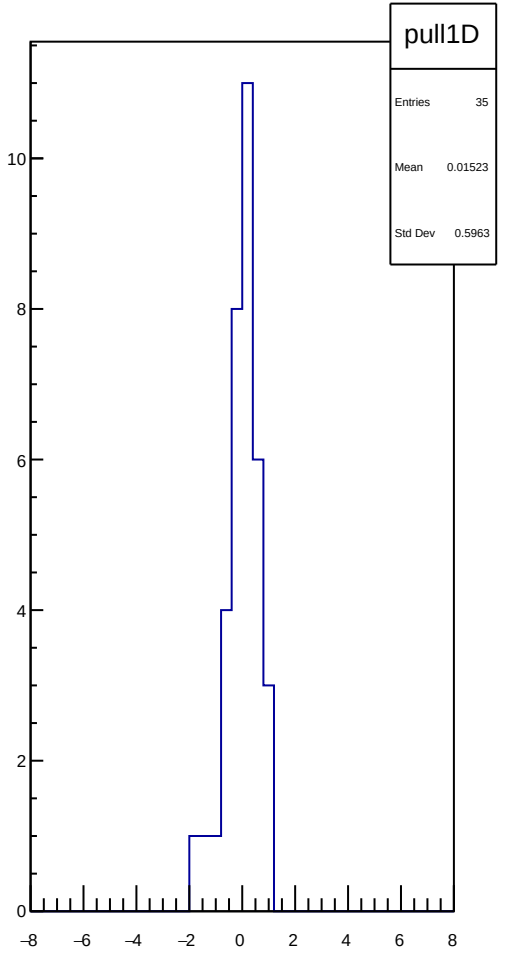

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 12.18 / 34
p0 −90.73 ± 5.61
0
−20
−40
−60
−80
−100
−120
−140
−160
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −38.81
Std Dev 59.11
1.5
1
0.5
0
−0.5
−1

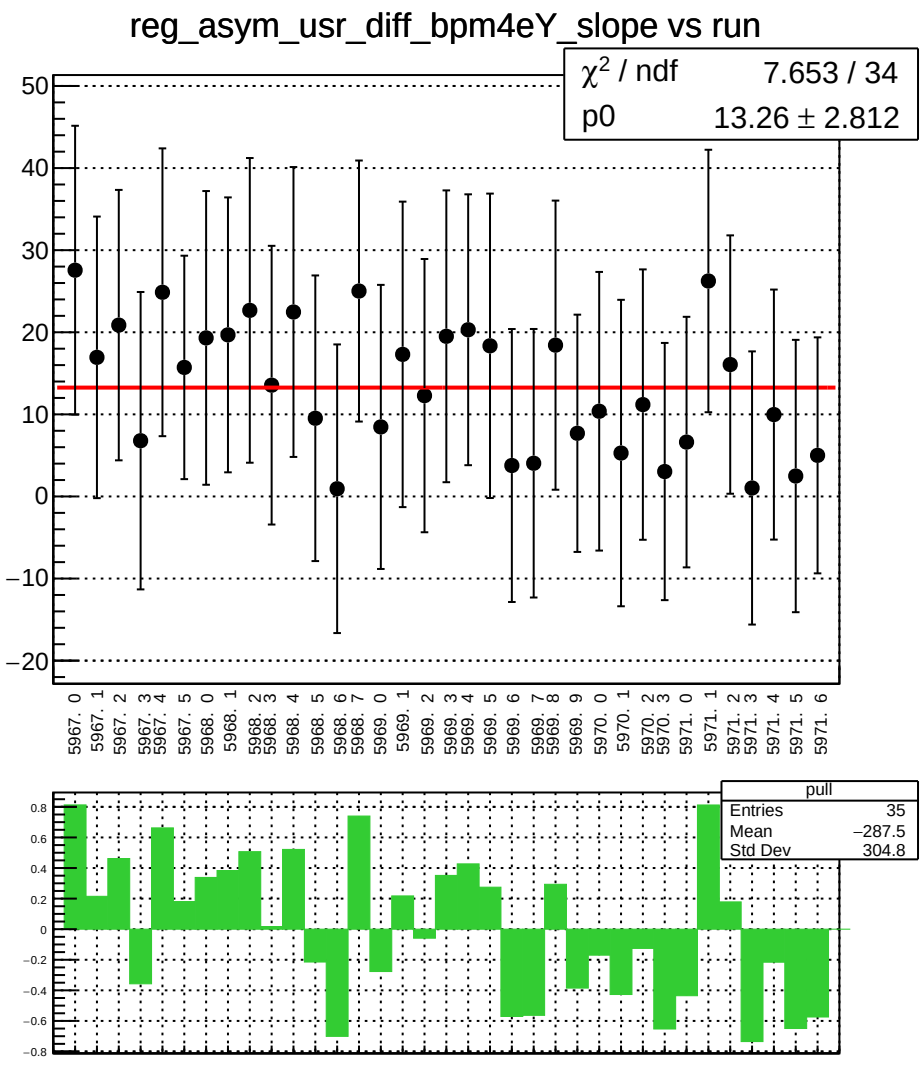

pull1D
Entries 35
Mean −0.01653
Std Dev 0.5898
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

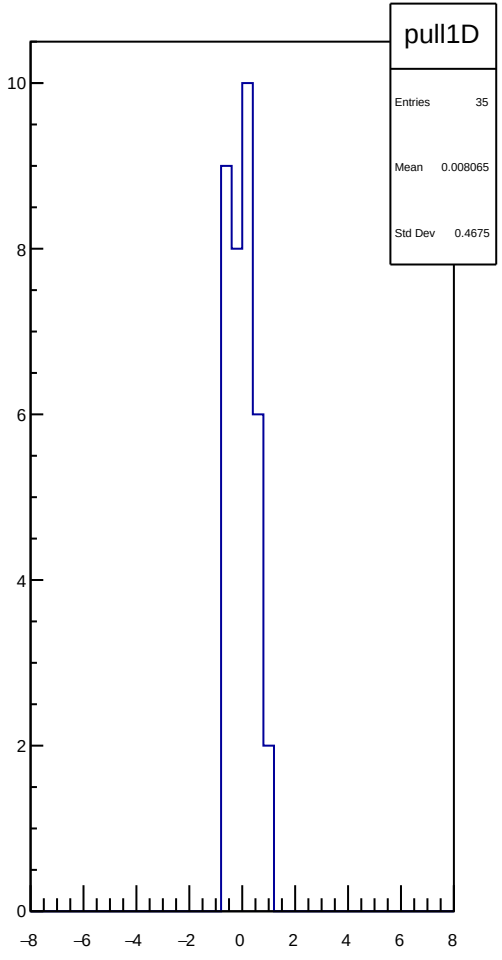

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 8.004 / 34
p0 2.879 ± 2.163
pull
Entries 35
Mean −377.9
Std Dev 395

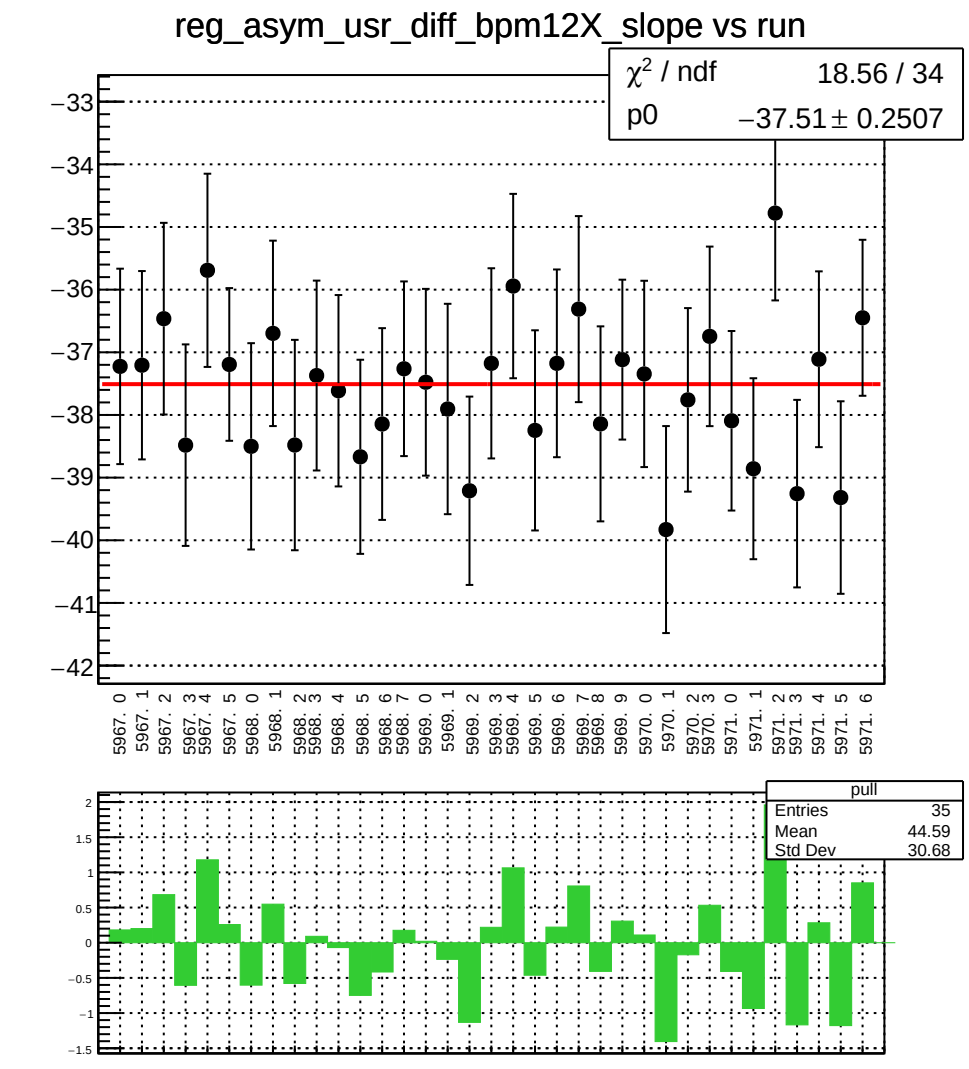

pull1D
Entries 35
Mean −0.006147
Std Dev 0.4782

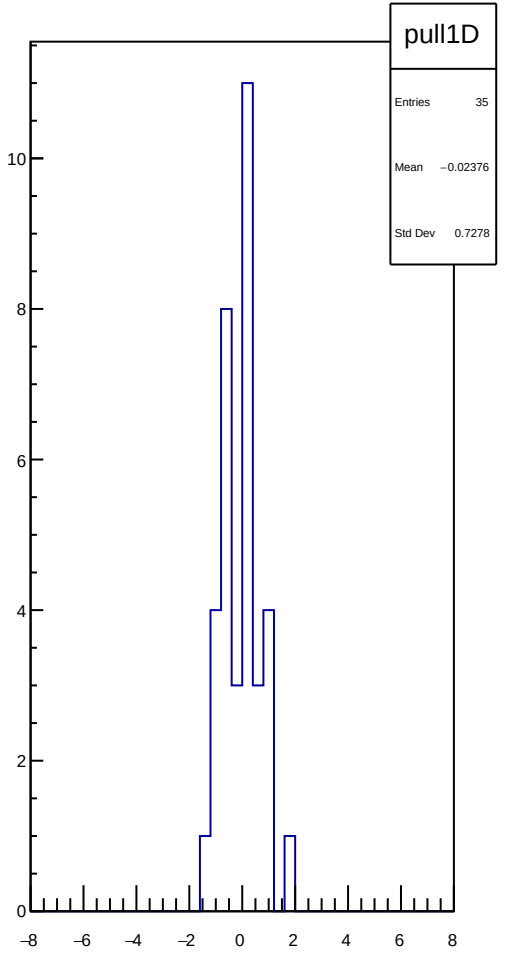

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 12.45 / 34
p0 162.6 ± 5.97
240
220
200
180
160
140
120
100
80
60
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −39.07
Std Dev 59.19
1
0.5
0
−0.5
−1
−1.5

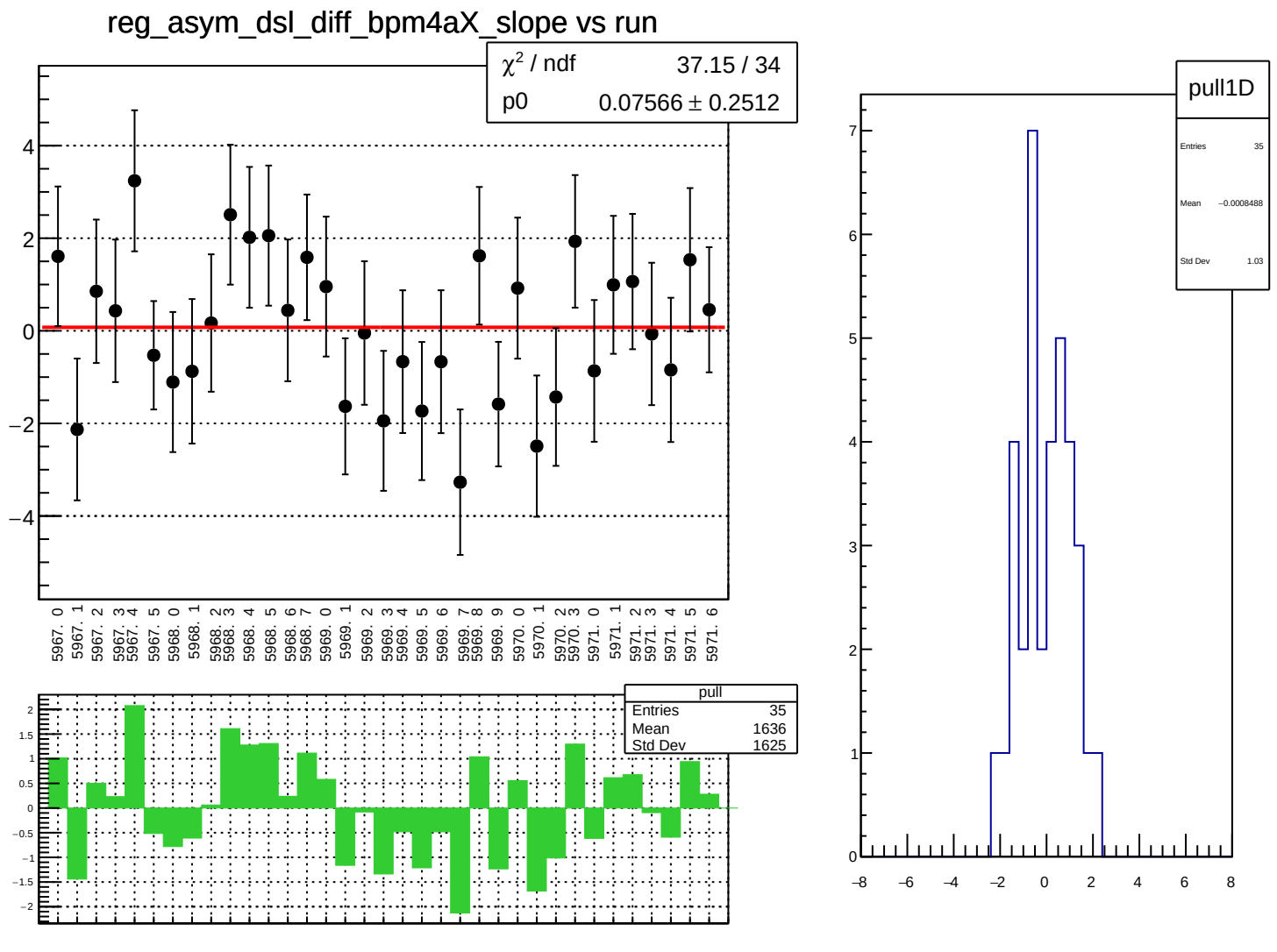

pull1D
Entries 35
Mean 0.01523
Std Dev 0.5963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

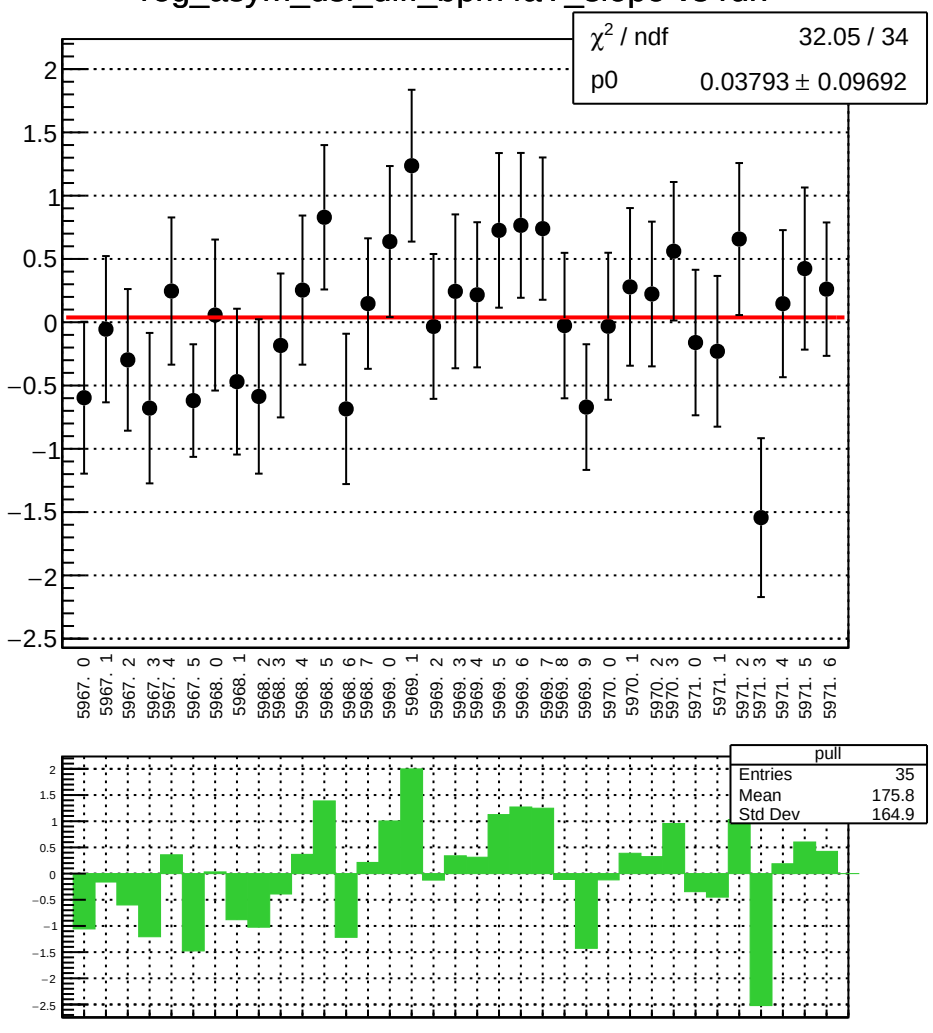

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 7.653 / 34
p0 13.26 ± 2.812
pull
Entries 35
Mean −287.5
Std Dev 304.8

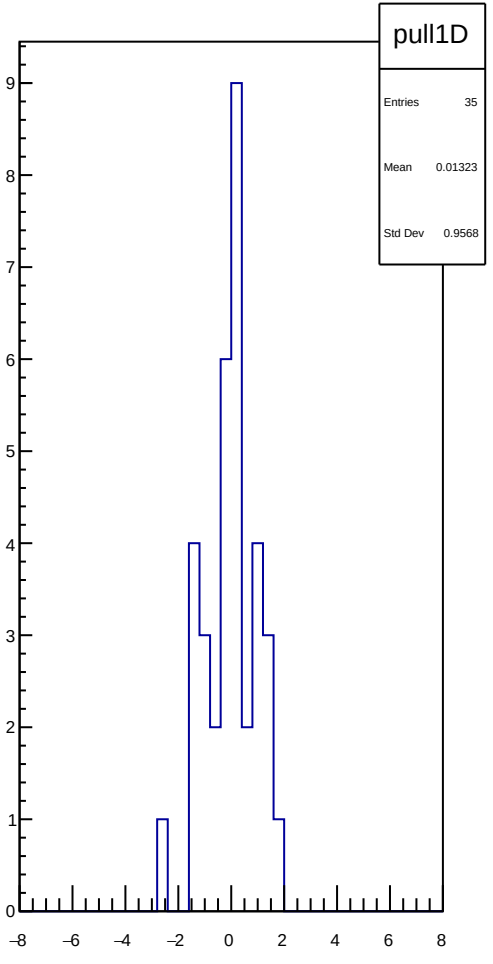

pull1D
Entries 35
Mean 0.008065
Std Dev 0.4675

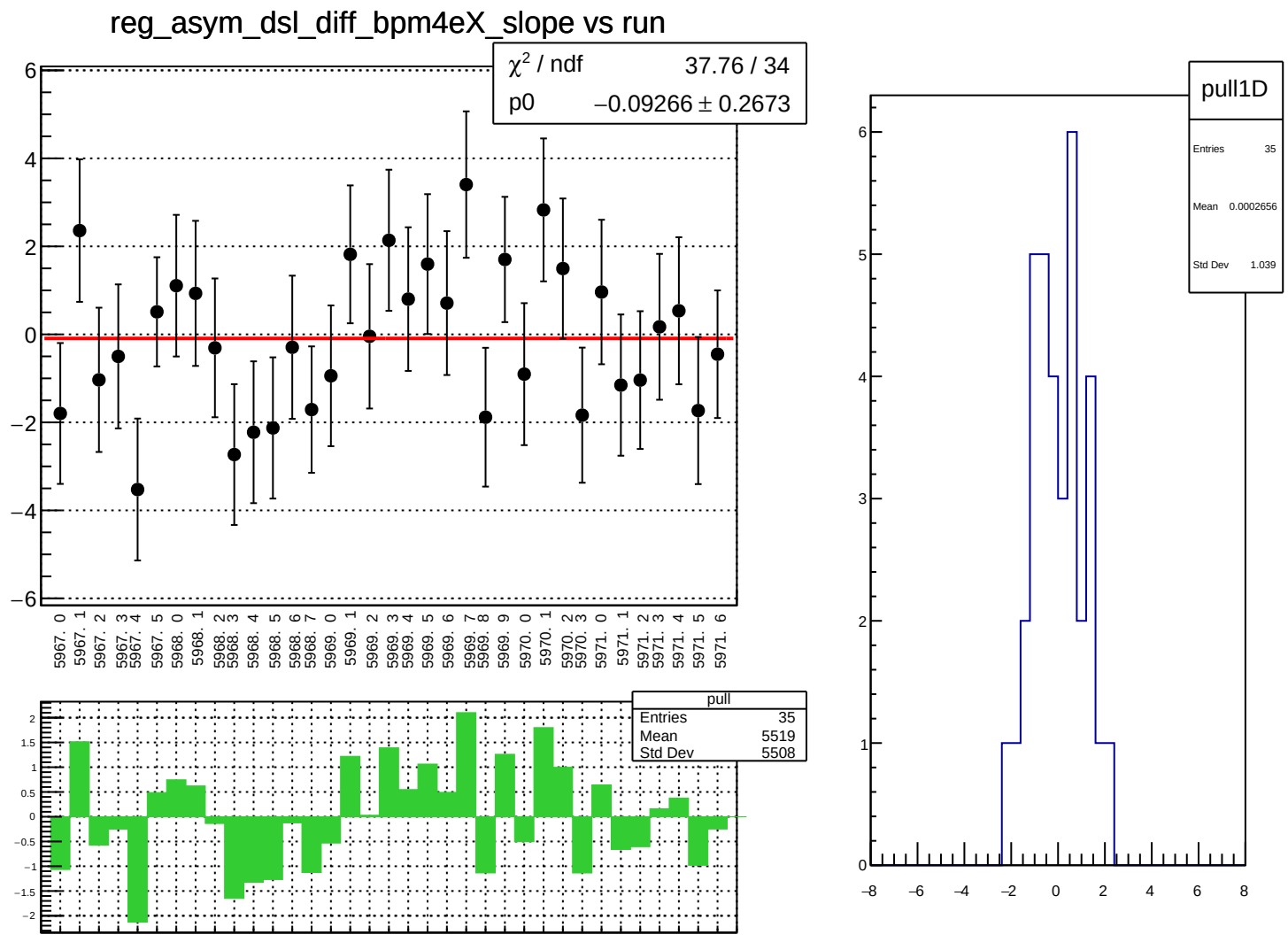

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 18.56 / 34
p0 −37.51 ± 0.2507
−33
−34
−35
−36
−37
−38
−39
−40
−41
−42
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 44.59
Std Dev 30.68
2
1.5
1
0.5
0
−0.5
−1
−1.5

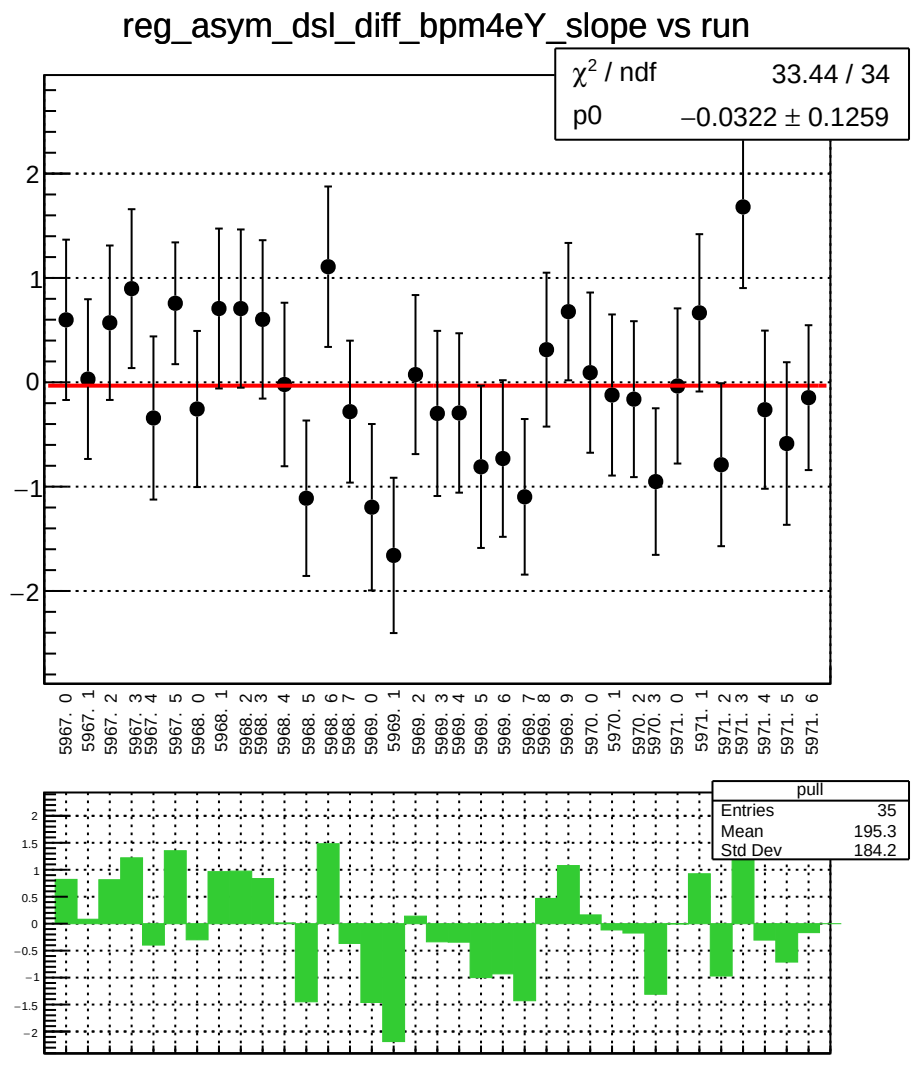

pull1D
Entries 35
Mean −0.02376
Std Dev 0.7278
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

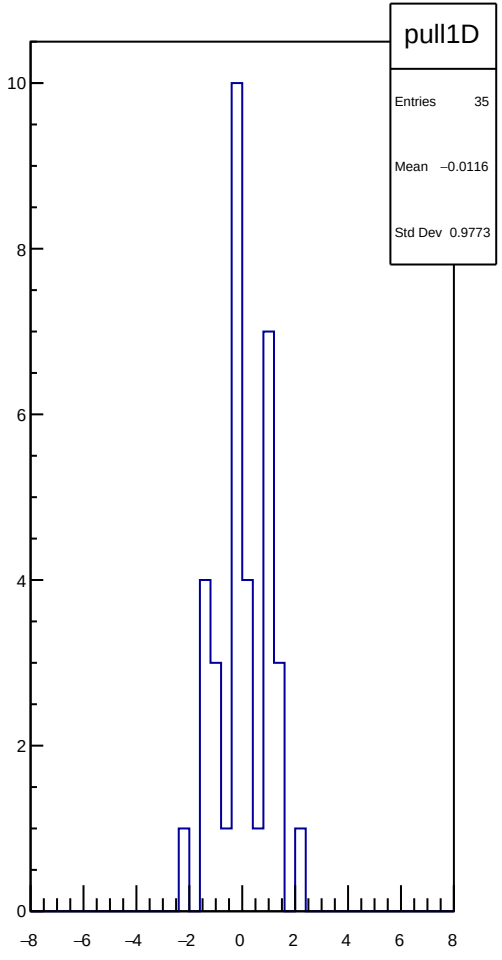

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 37.15 / 34
p0 0.07566 ± 0.2512
pull
Entries 35
Mean 1636
Std Dev 1625
pull1D
Entries 35
Mean −0.0008488
Std Dev 1.03

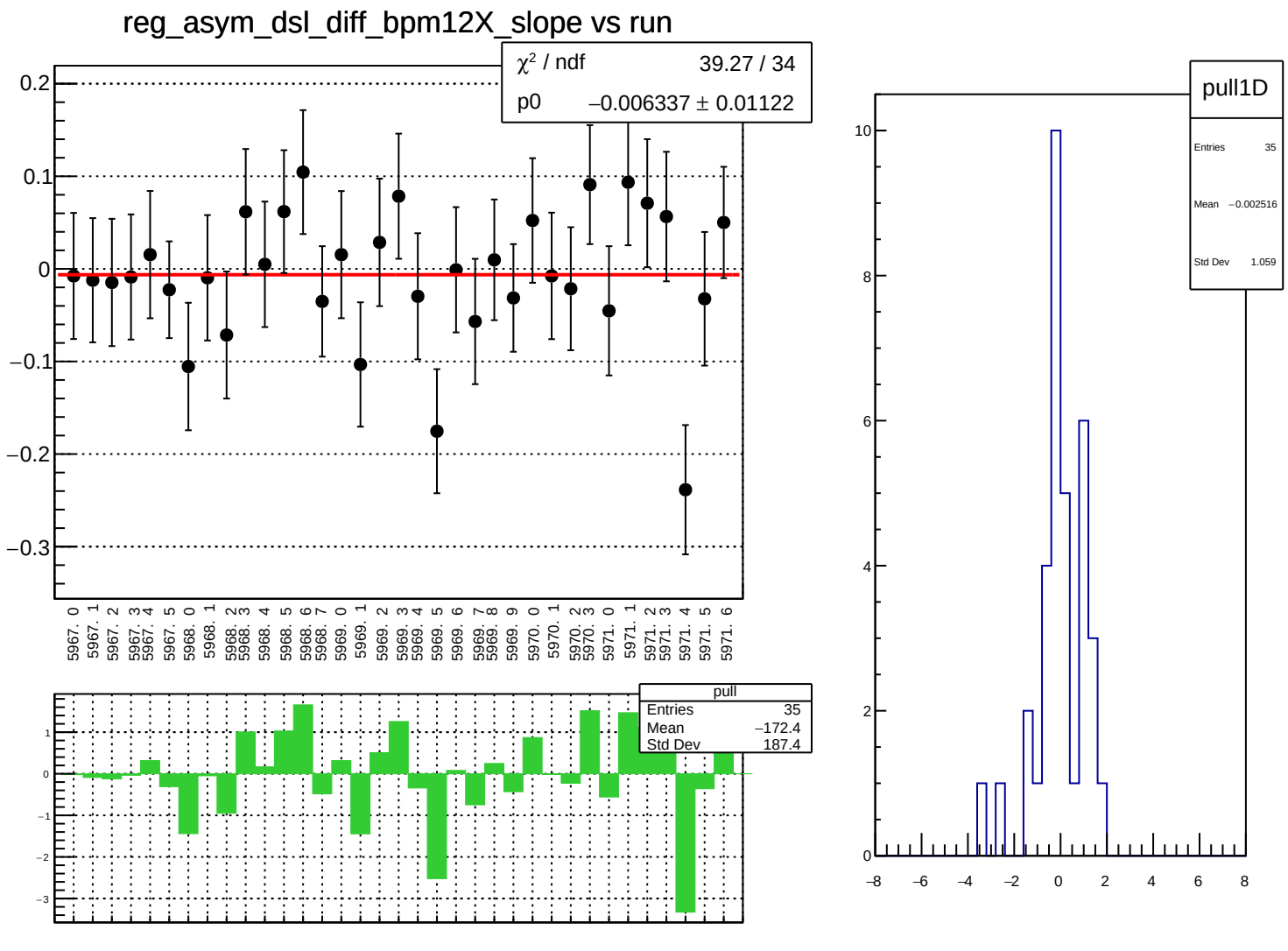

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 32.05 / 34
p0 0.03793 ± 0.09692
pull
Entries 35
Mean 175.8
Std Dev 164.9

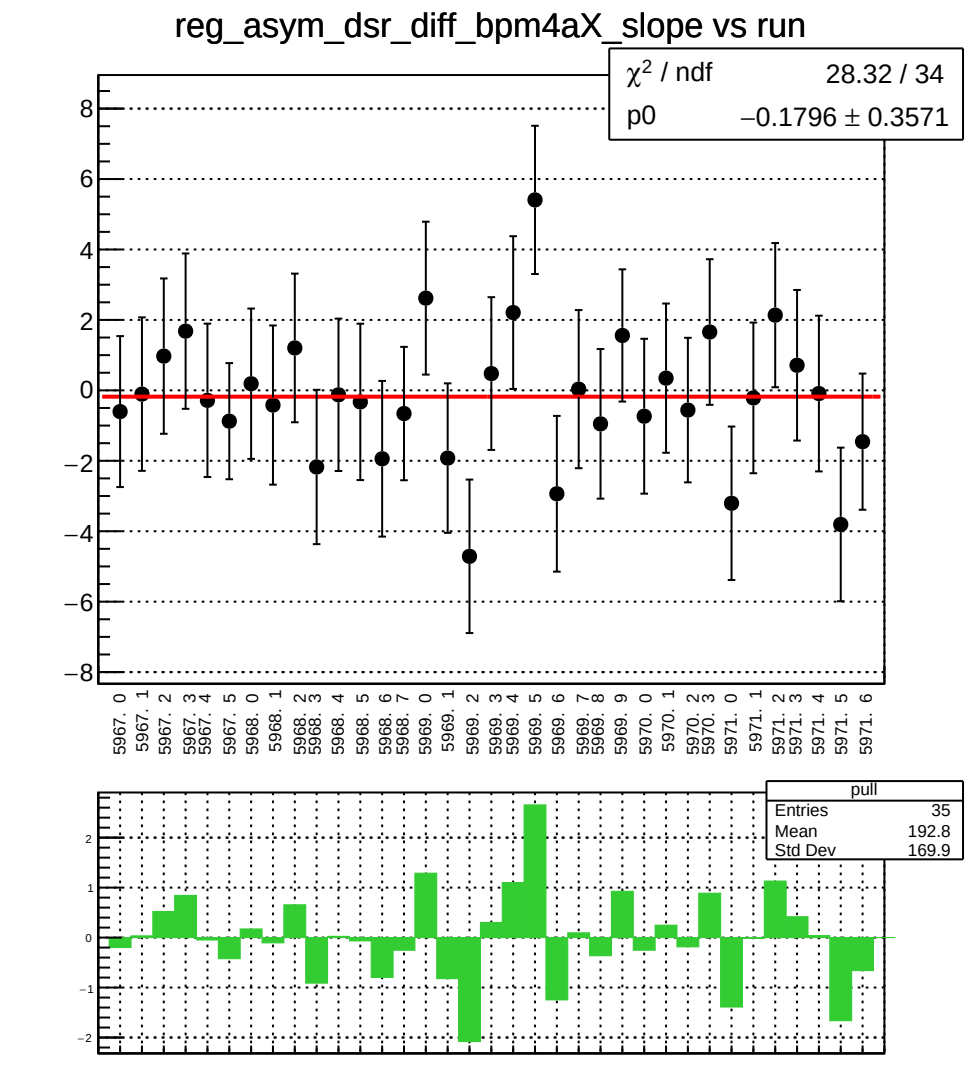

pull1D
Entries 35
Mean 0.01323
Std Dev 0.9568

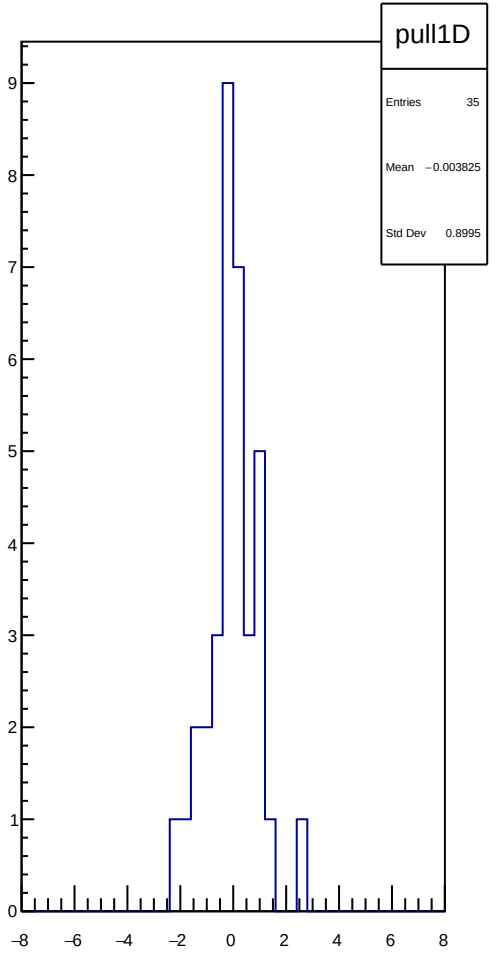

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 37.76 / 34
p0 −0.09266 ± 0.2673
pull
Entries 35
Mean 5519
Std Dev 5508
pull1D
Entries 35
Mean 0.0002656
Std Dev 1.039

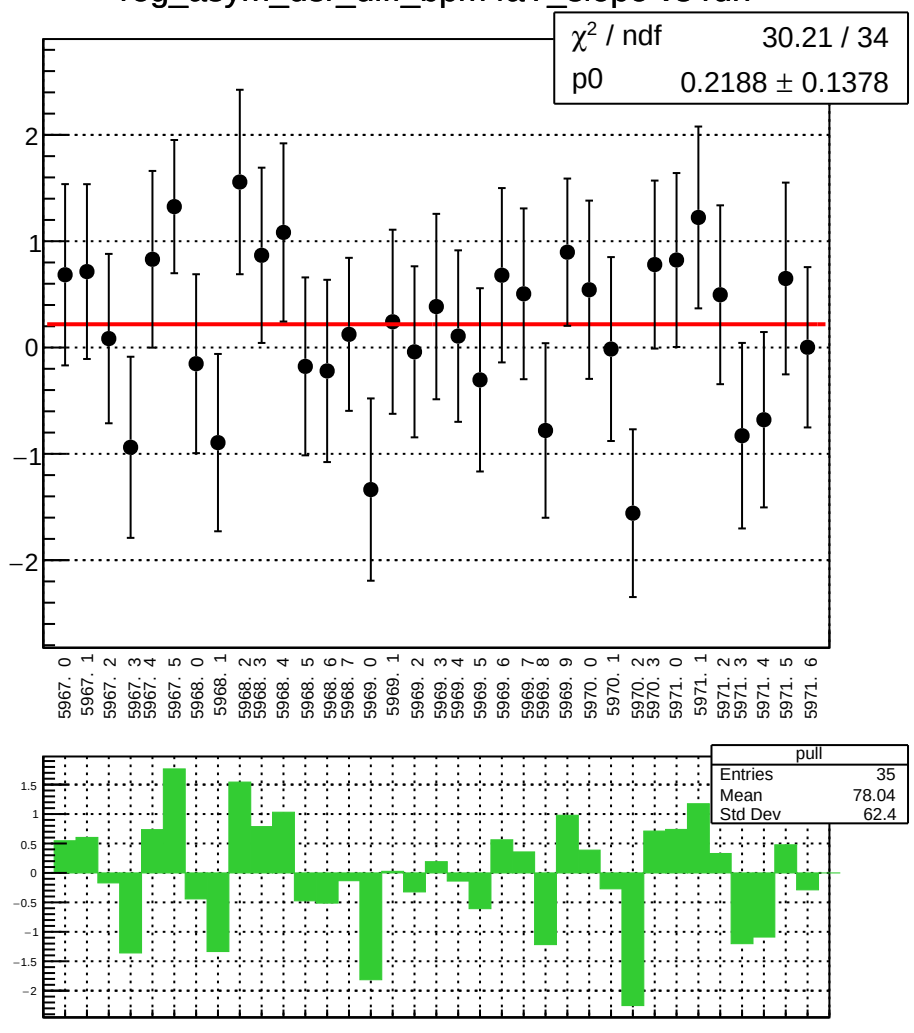

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 33.44 / 34
p0 −0.0322 ± 0.1259
pull
Entries 35
Mean 195.3
Std Dev 184.2

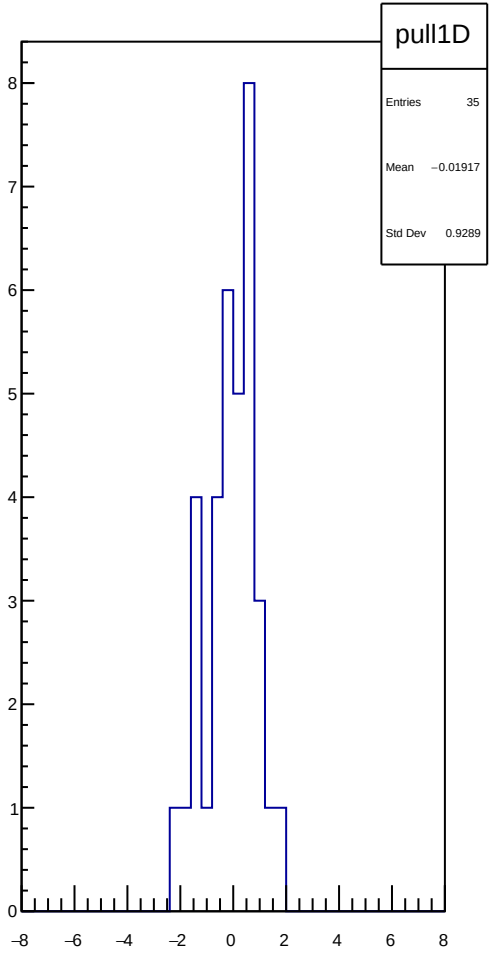

pull1D
Entries 35
Mean −0.0116
Std Dev 0.9773

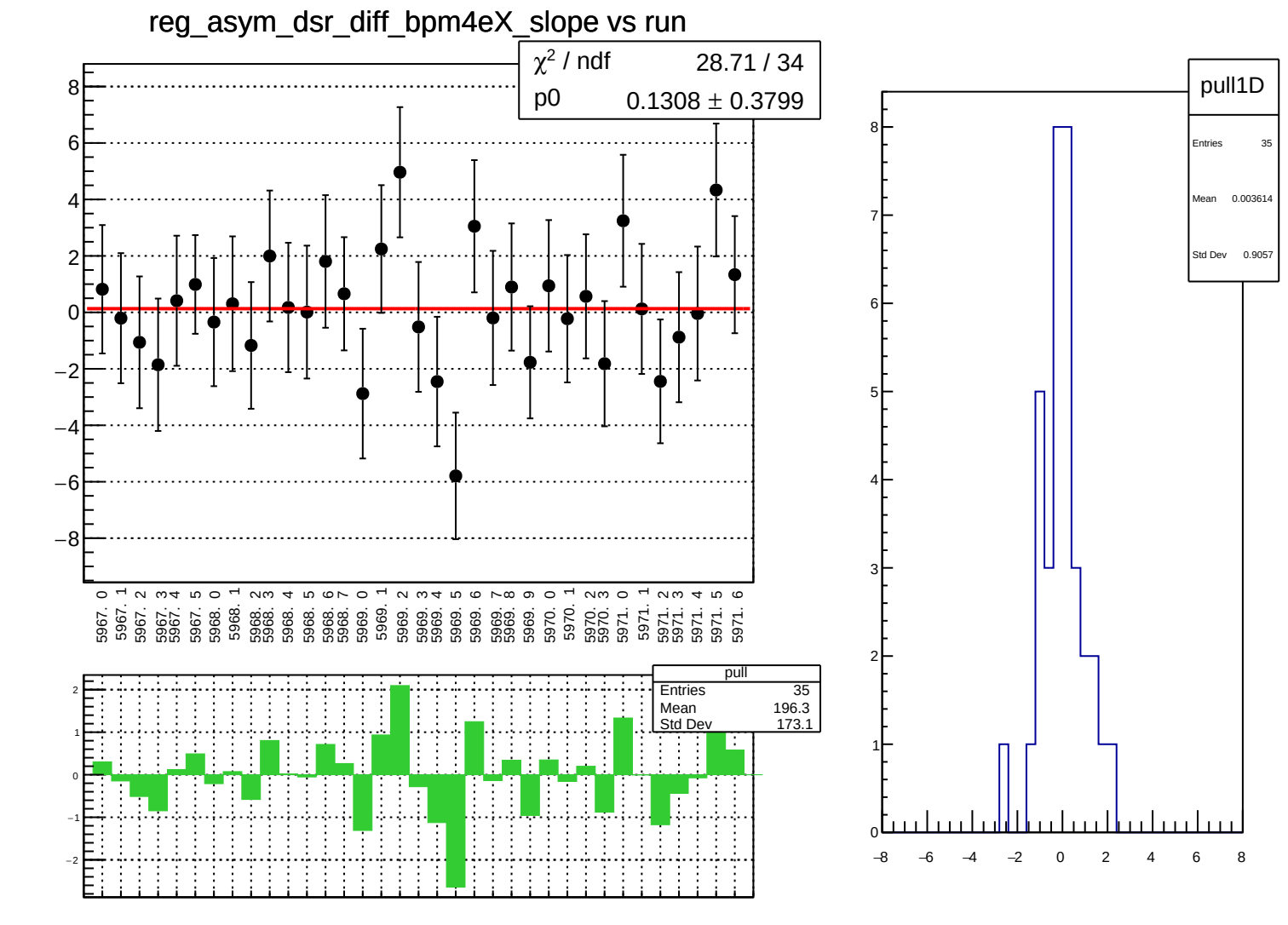

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 39.27 / 34
p0 −0.006337 ± 0.01122
0.2
0.1
0
−0.1
−0.2
−0.3
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −172.4
Std Dev 187.4
pull1D
Entries 35
Mean −0.002516
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

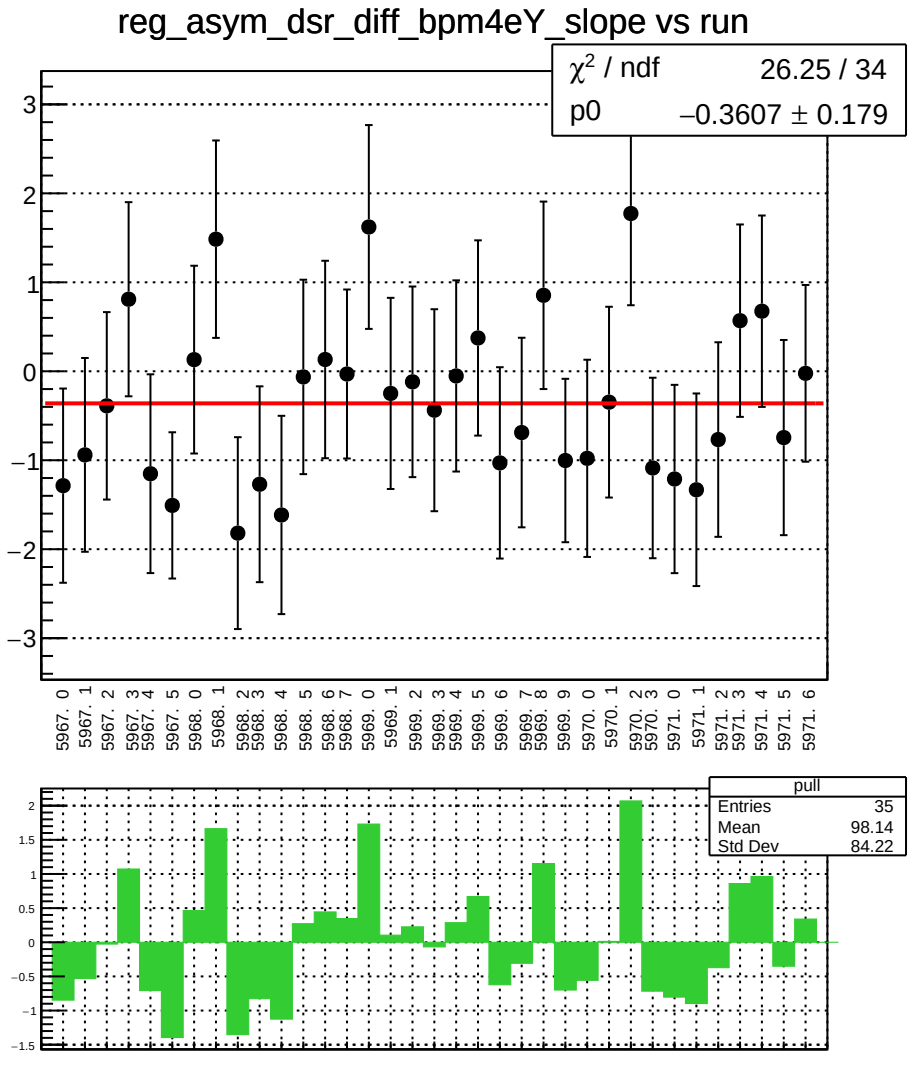

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 28.32 / 34
p0 −0.1796 ± 0.3571
pull
Entries 35
Mean 192.8
Std Dev 169.9

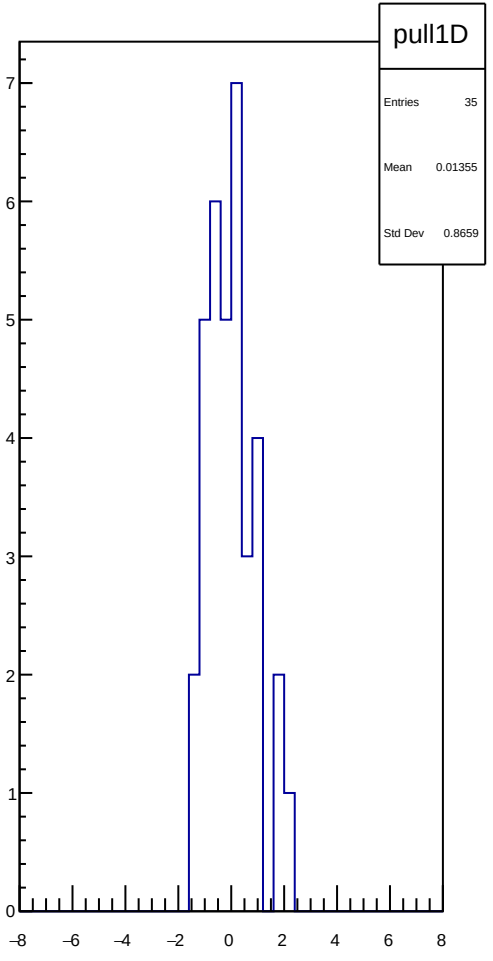

pull1D
Entries 35
Mean −0.003825
Std Dev 0.8995

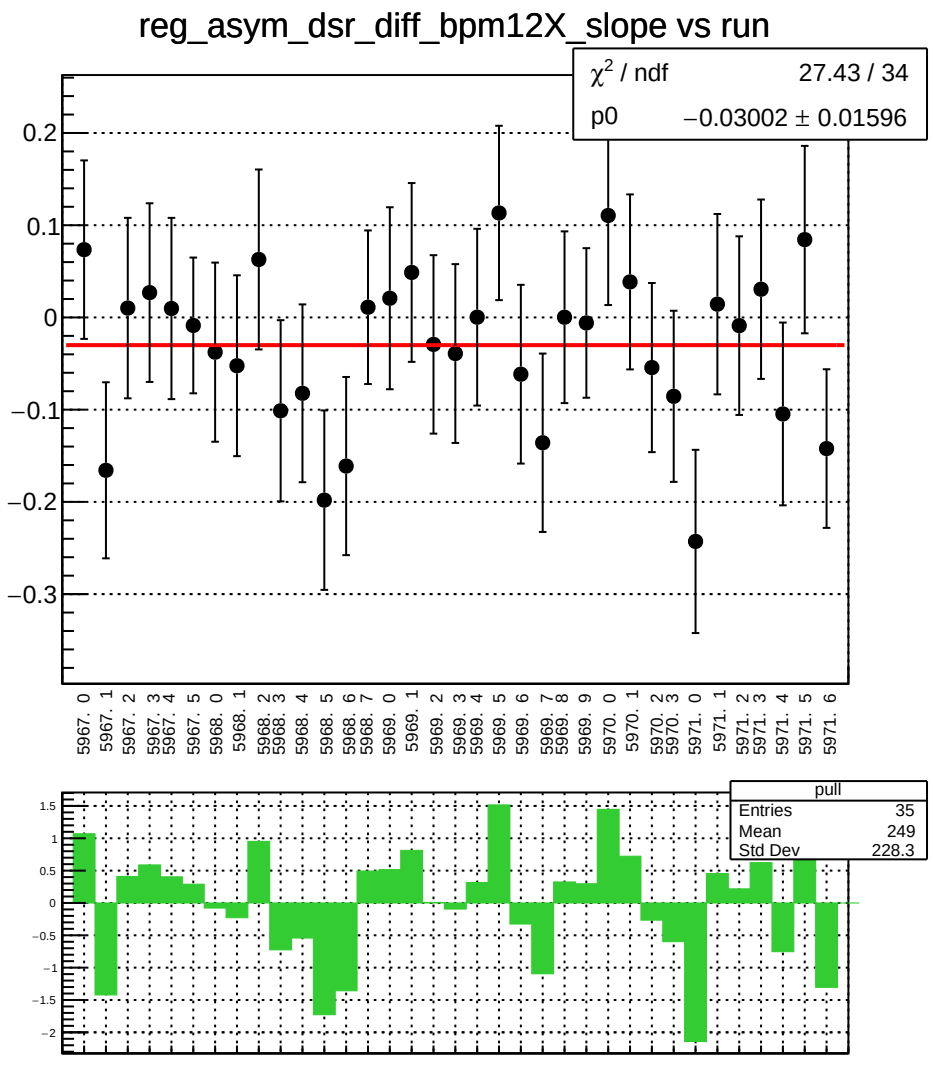

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 30.21 / 34
p0 0.2188 ± 0.1378
pull
Entries 35
Mean 78.04
Std Dev 62.4

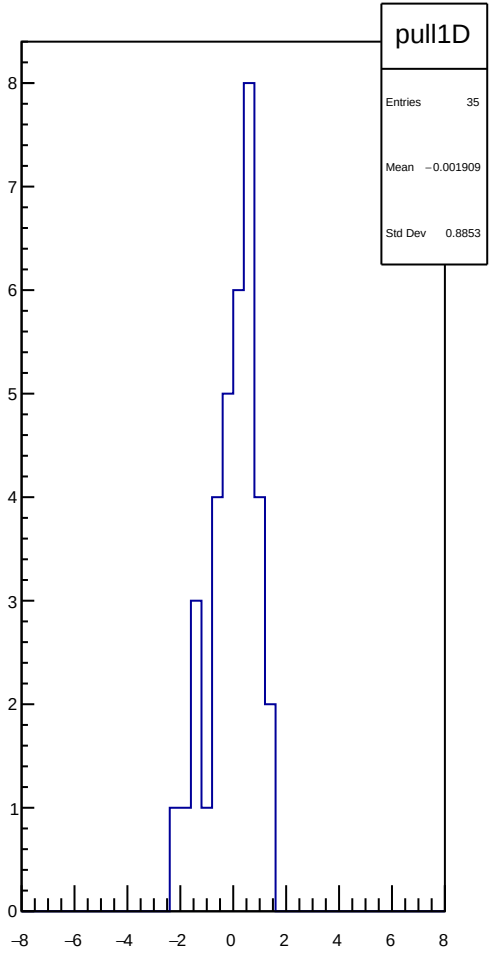

pull1D
Entries 35
Mean −0.01917
Std Dev 0.9289

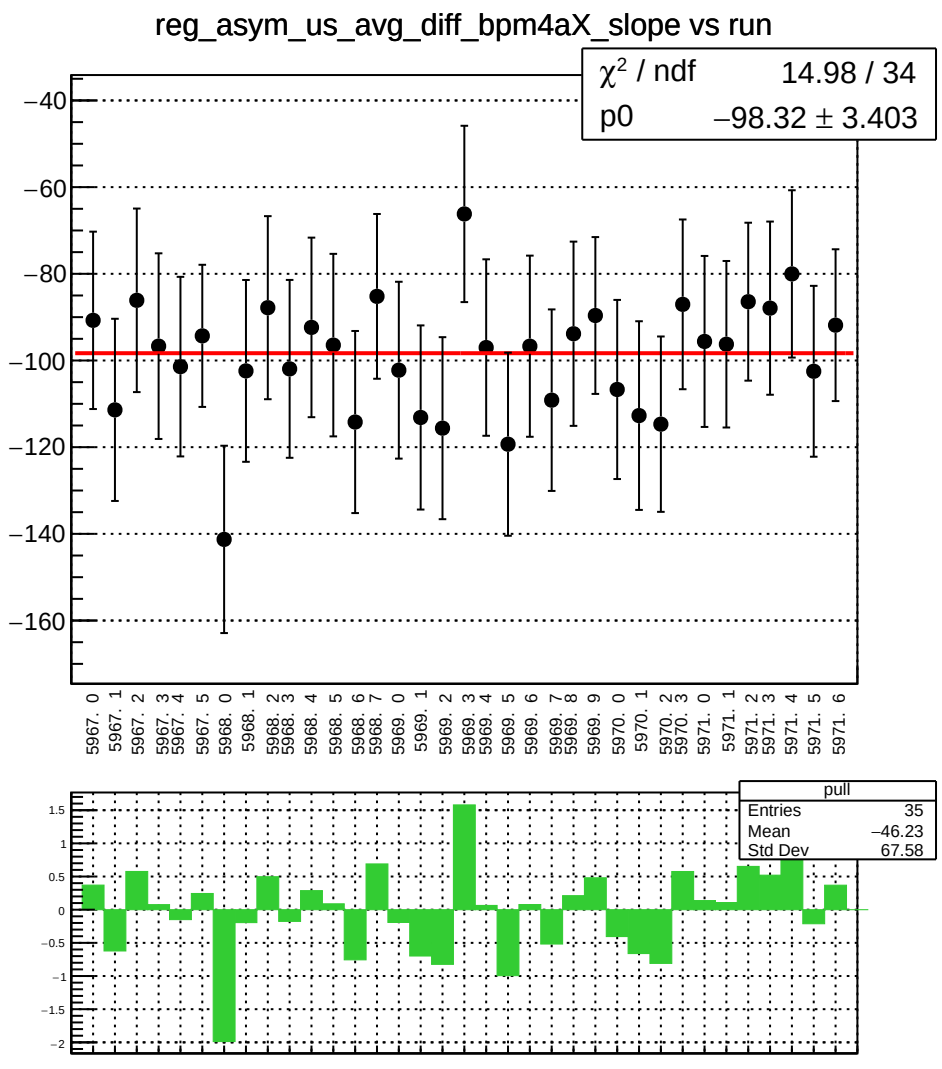

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 28.71 / 34
p0 0.1308 ± 0.3799
pull
Entries 35
Mean 196.3
Std Dev 173.1
pull1D
Entries 35
Mean 0.003614
Std Dev 0.9057

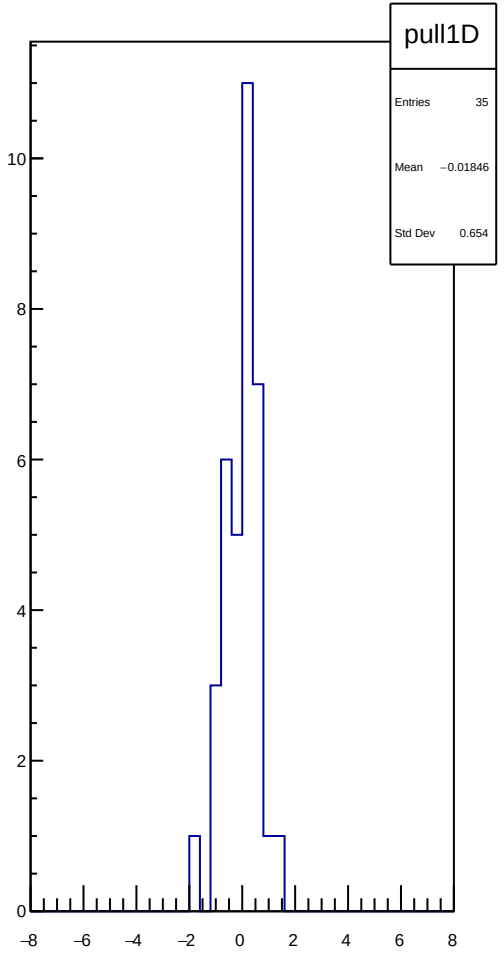

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 26.25 / 34
p0 −0.3607 ± 0.179
pull
Entries 35
Mean 98.14
Std Dev 84.22

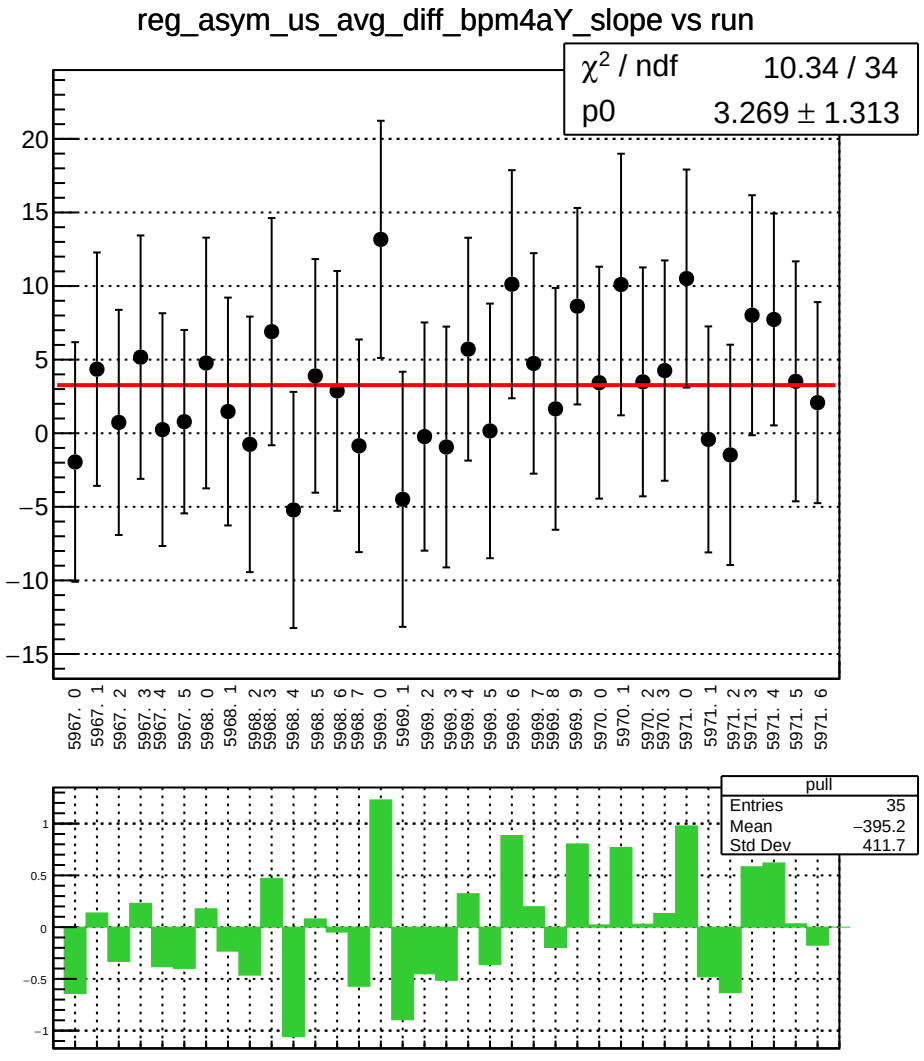

pull1D
Entries 35
Mean 0.01355
Std Dev 0.8659

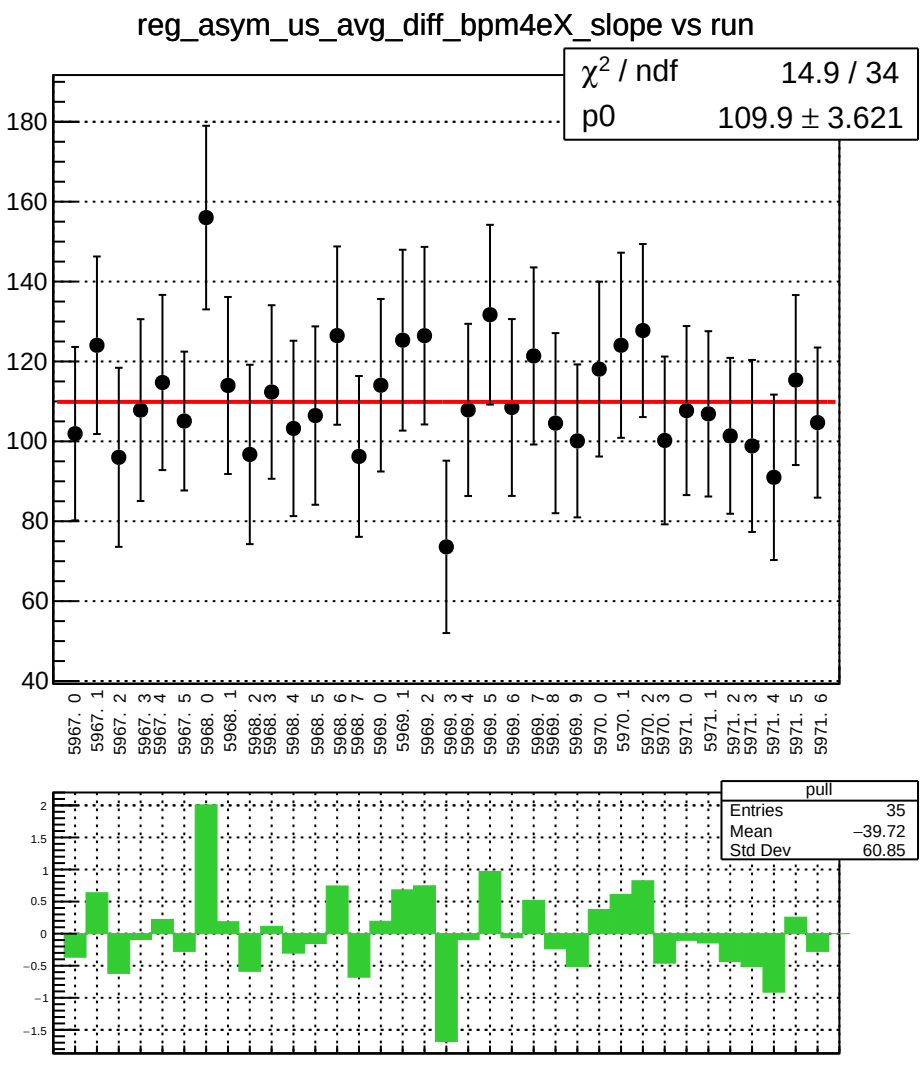

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 27.43 / 34
p0 −0.03002 ± 0.01596
0.2
0.1
0
−0.1
−0.2
−0.3
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 249
Std Dev 228.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

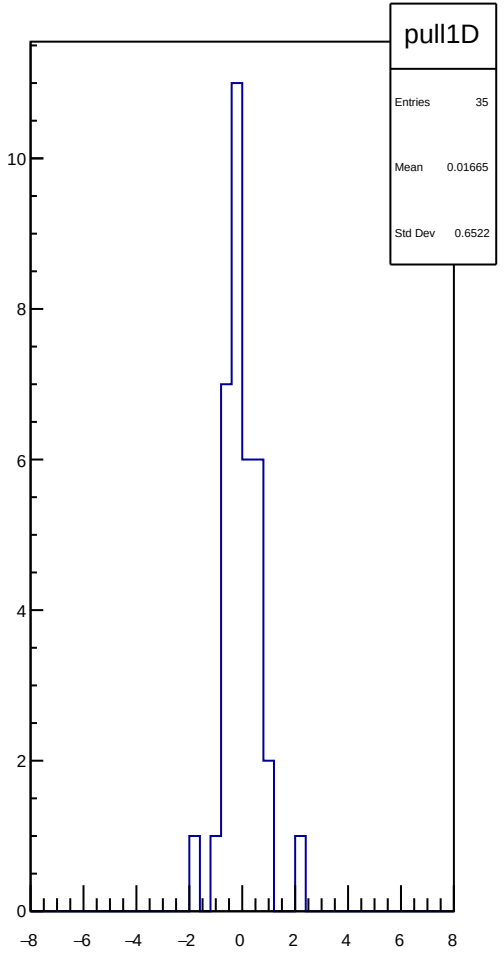

pull1D
Entries 35
Mean −0.001909
Std Dev 0.8853
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

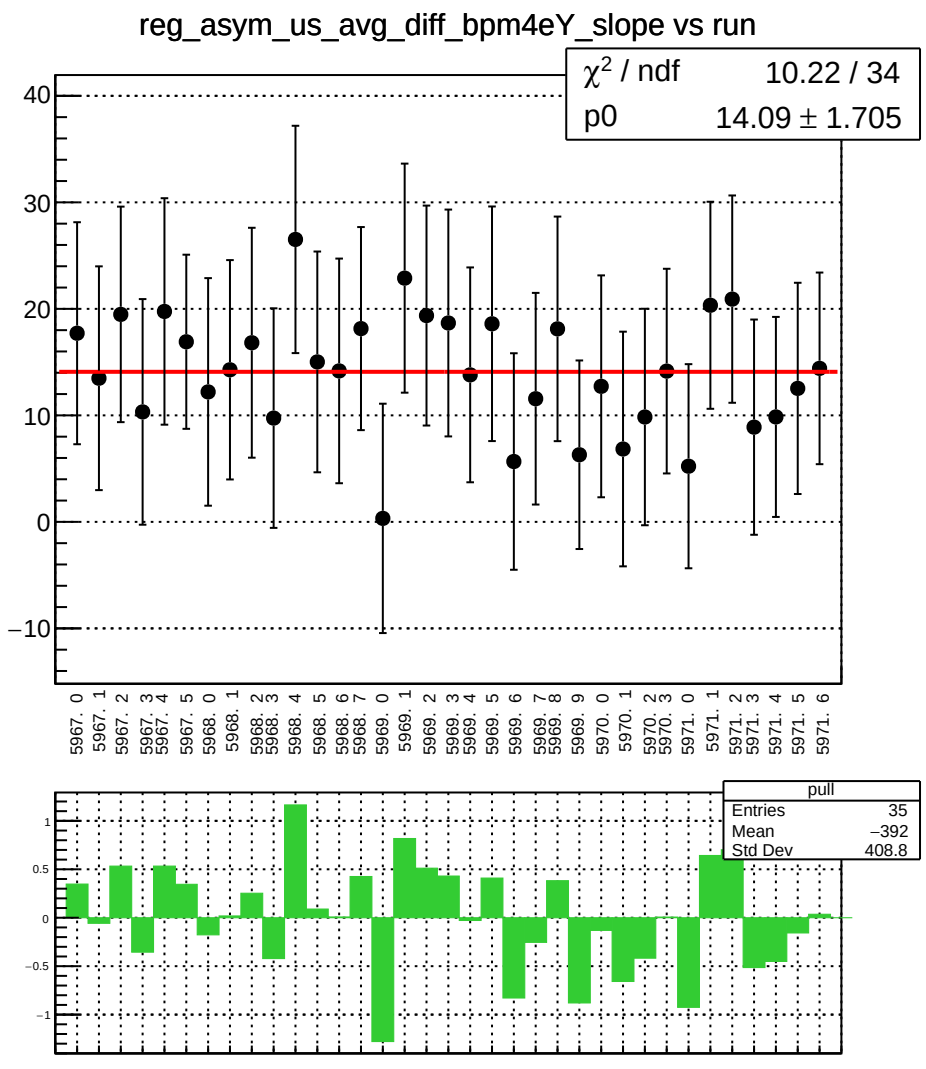

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.98 / 34
p0 −98.32 ± 3.403
pull
Entries 35
Mean −46.23
Std Dev 67.58

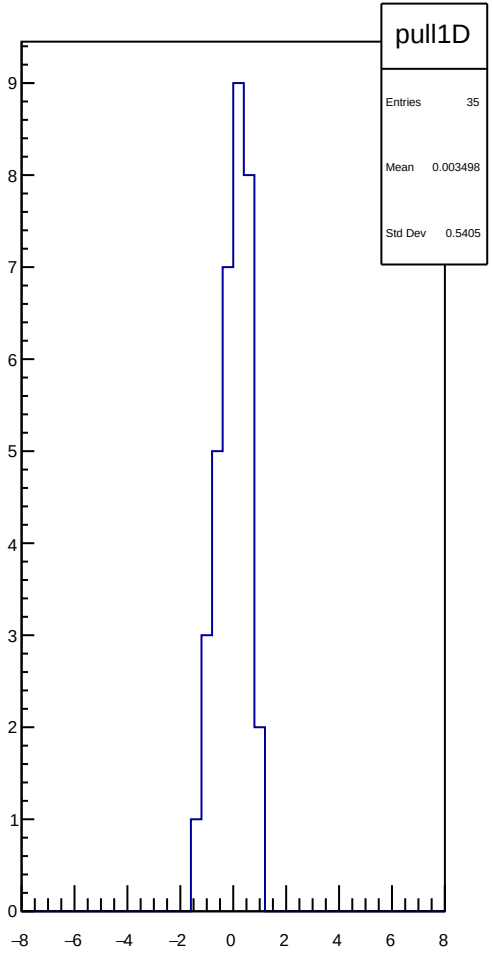

pull1D
Entries 35
Mean −0.01846
Std Dev 0.654

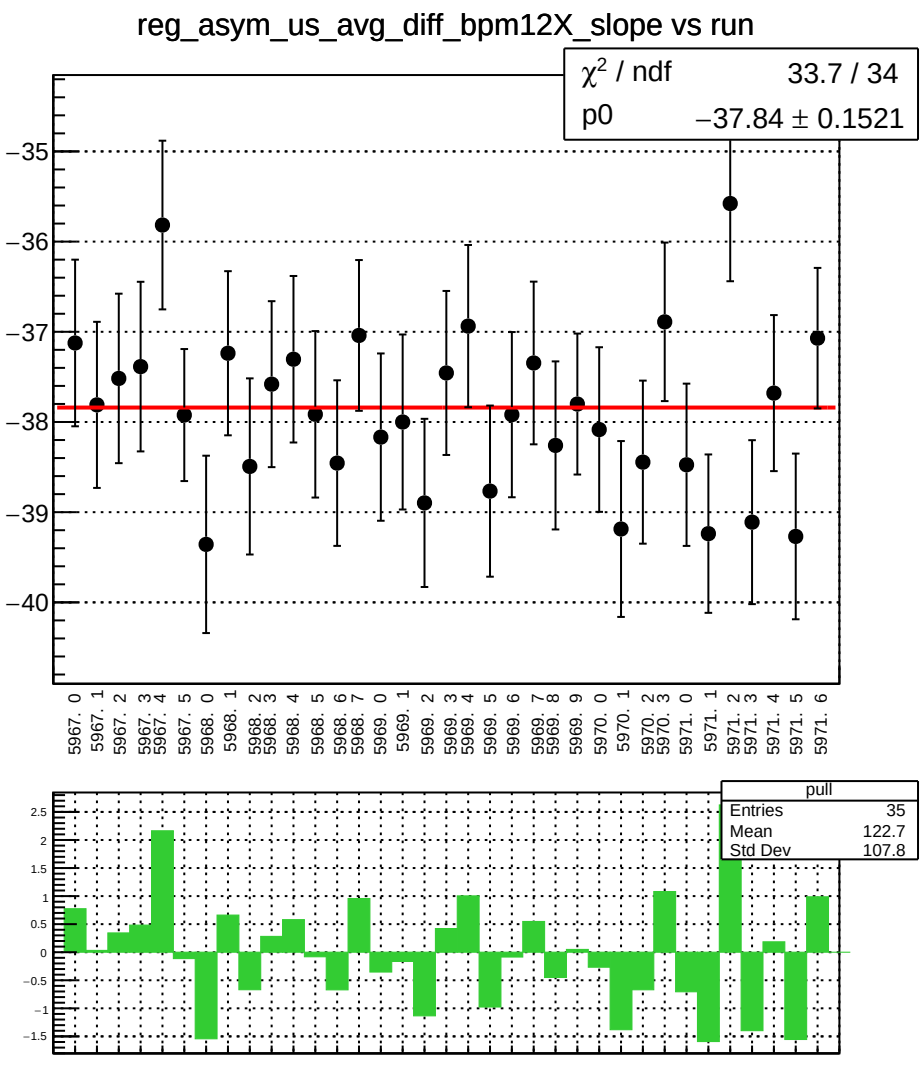

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.34 / 34
p0 3.269 ± 1.313
pull
Entries 35
Mean −395.2
Std Dev 411.7
pull1D
Entries 35
Mean −0.003844
Std Dev 0.5435

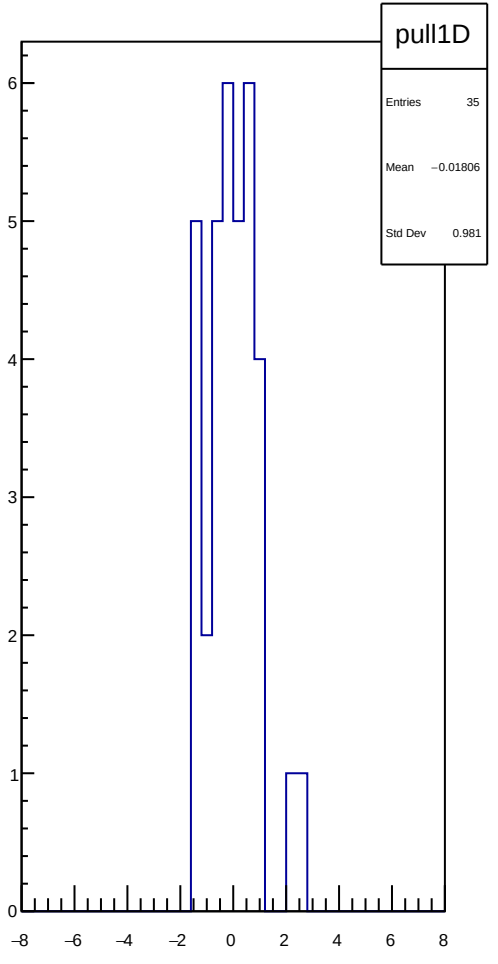

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 14.9 / 34
p0 109.9 ± 3.621
pull
Entries 35
Mean −39.72
Std Dev 60.85

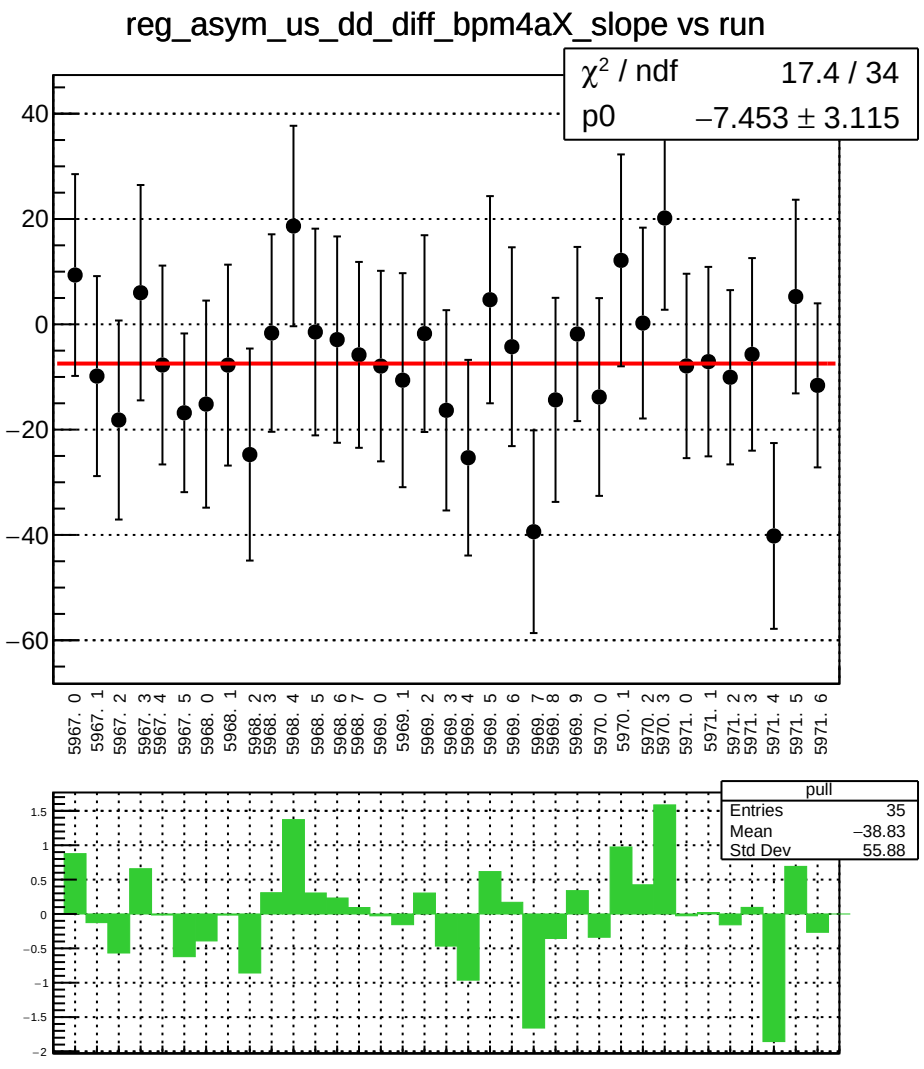

pull1D
Entries 35
Mean 0.01665
Std Dev 0.6522

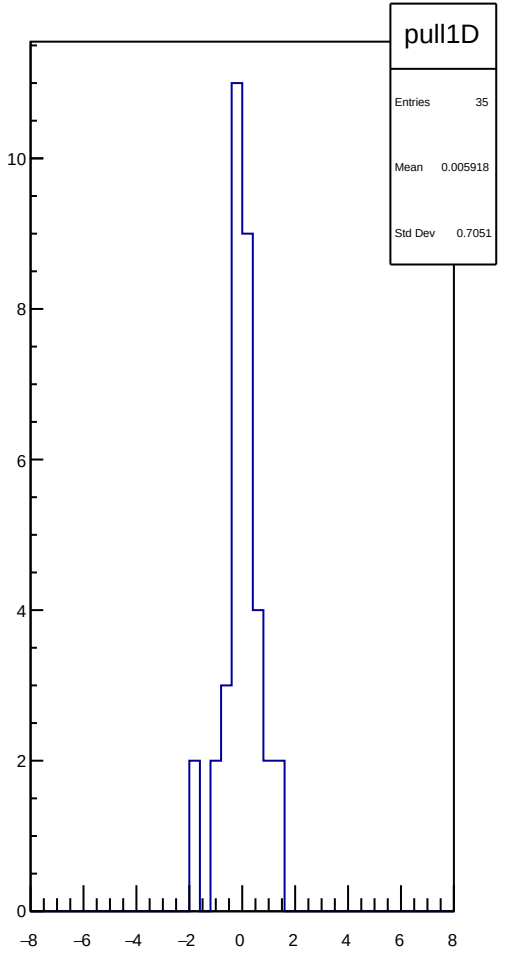

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.22 / 34
p0 14.09 ± 1.705
pull
Entries 35
Mean −392
Std Dev 408.8

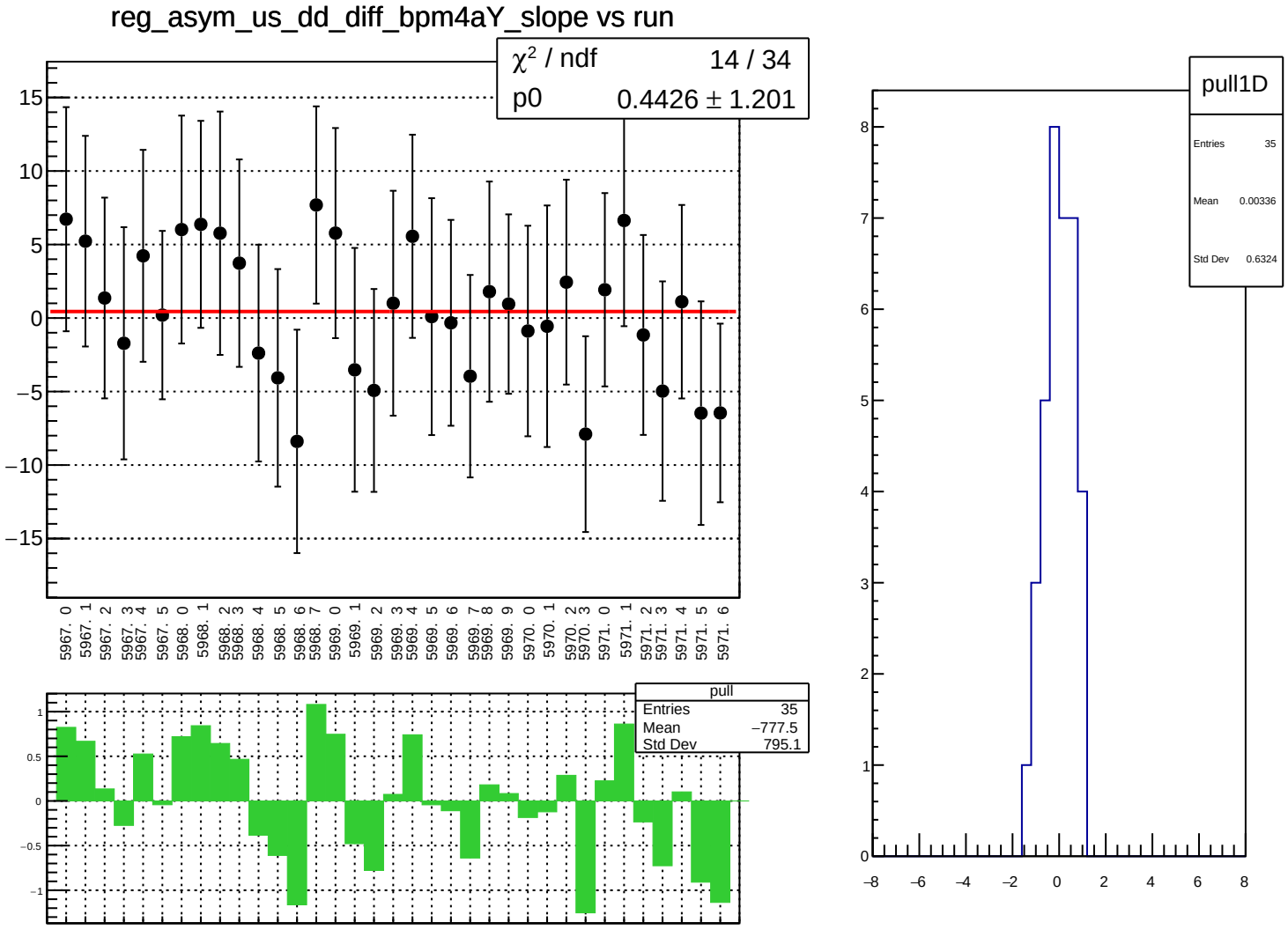

pull1D
Entries 35
Mean 0.003498
Std Dev 0.5405

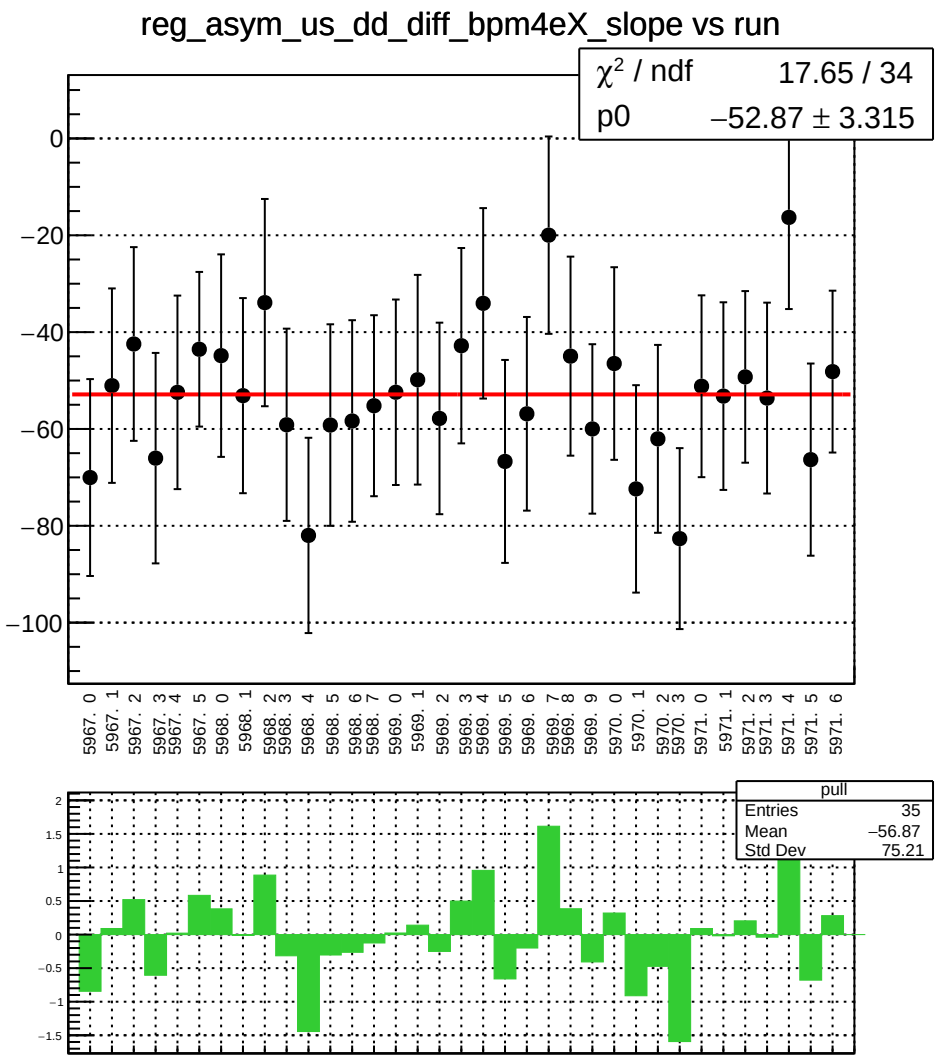

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 33.7 / 34
p0 −37.84 ± 0.1521
−35
−36
−37
−38
−39
−40
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 122.7
Std Dev 107.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

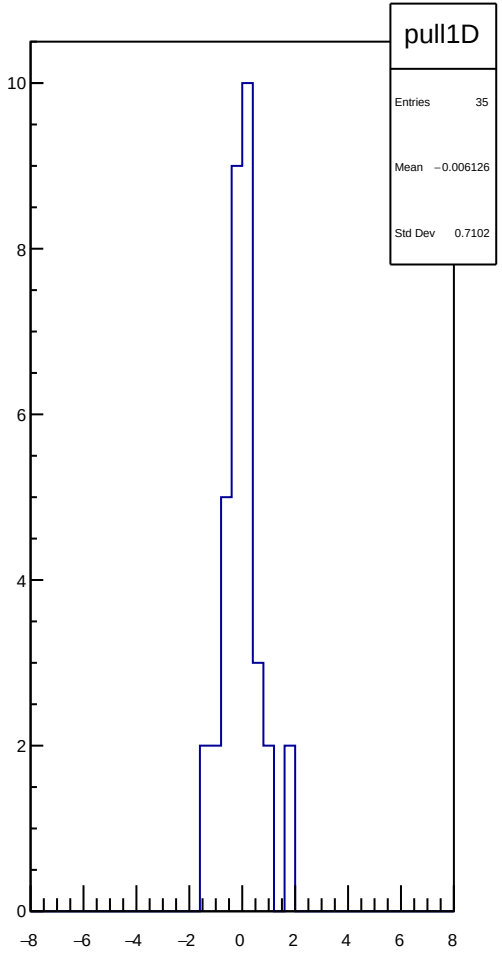

pull1D
Entries 35
Mean −0.01806
Std Dev 0.981
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

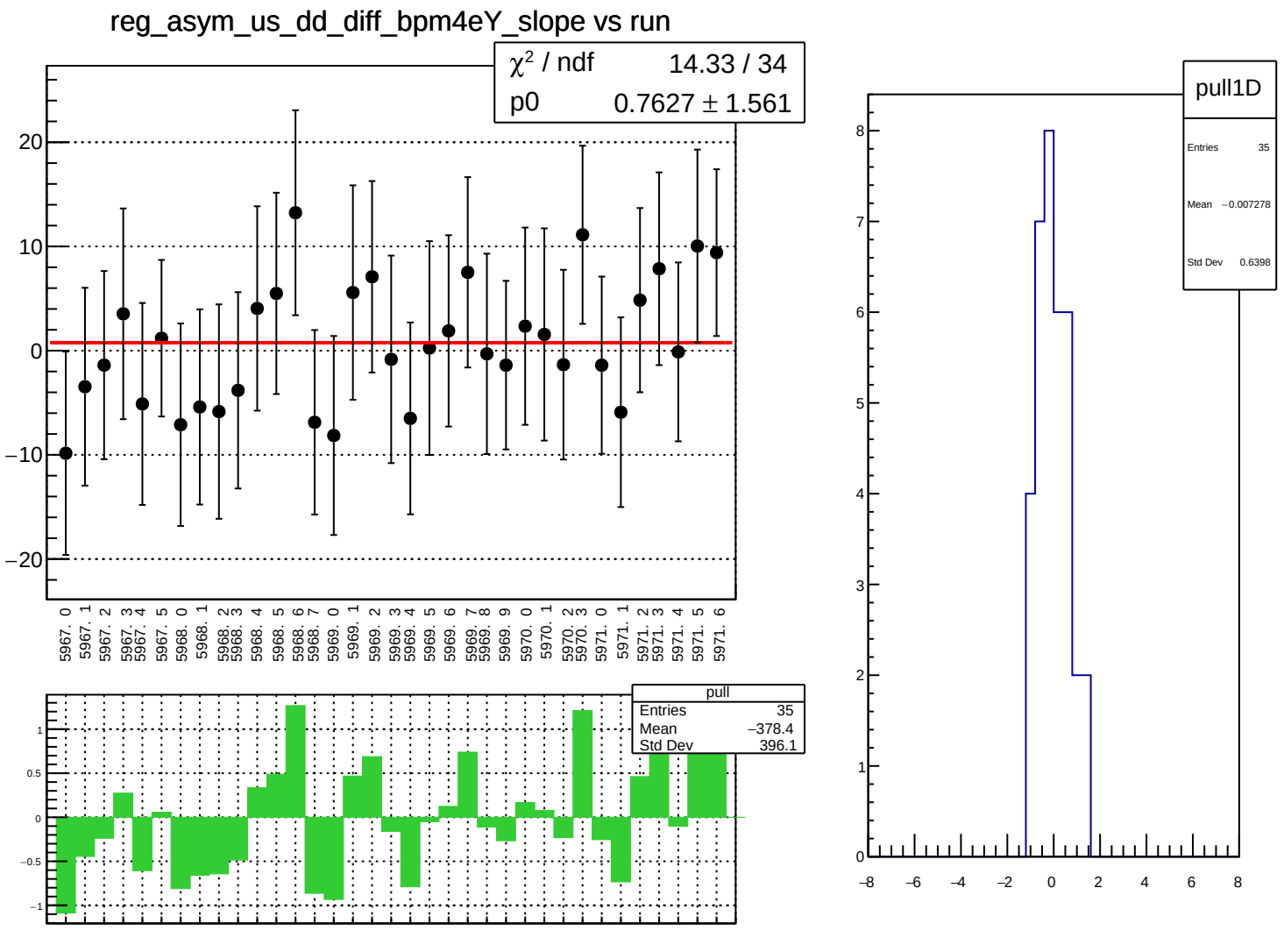

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.4 / 34
p0 −7.453 ± 3.115
40
20
0
−20
−40
−60
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −38.83
Std Dev 55.88
1.5
1
0.5
0
−0.5
−1
−1.5
−2

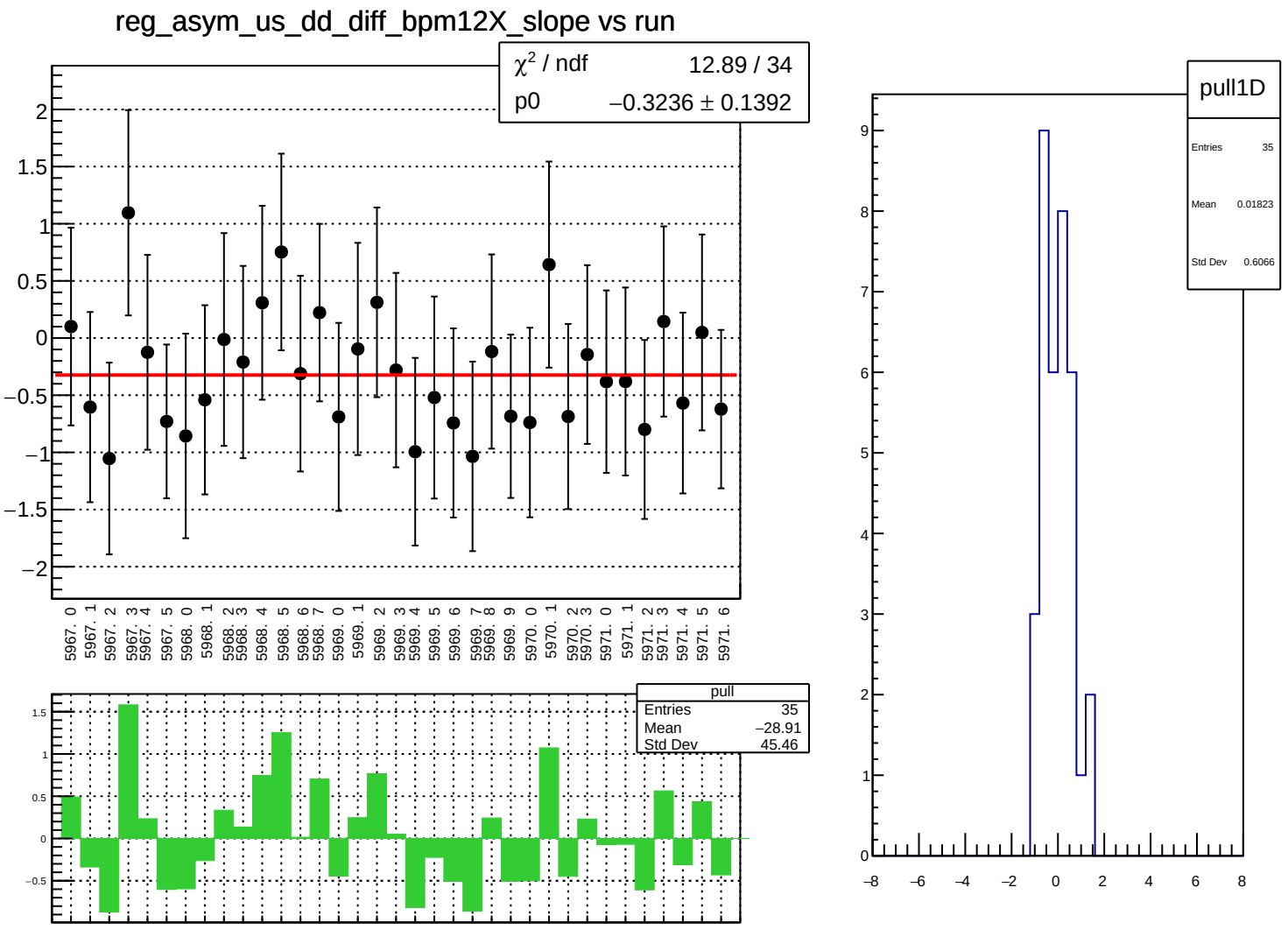

pull1D
Entries 35
Mean 0.005918
Std Dev 0.7051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

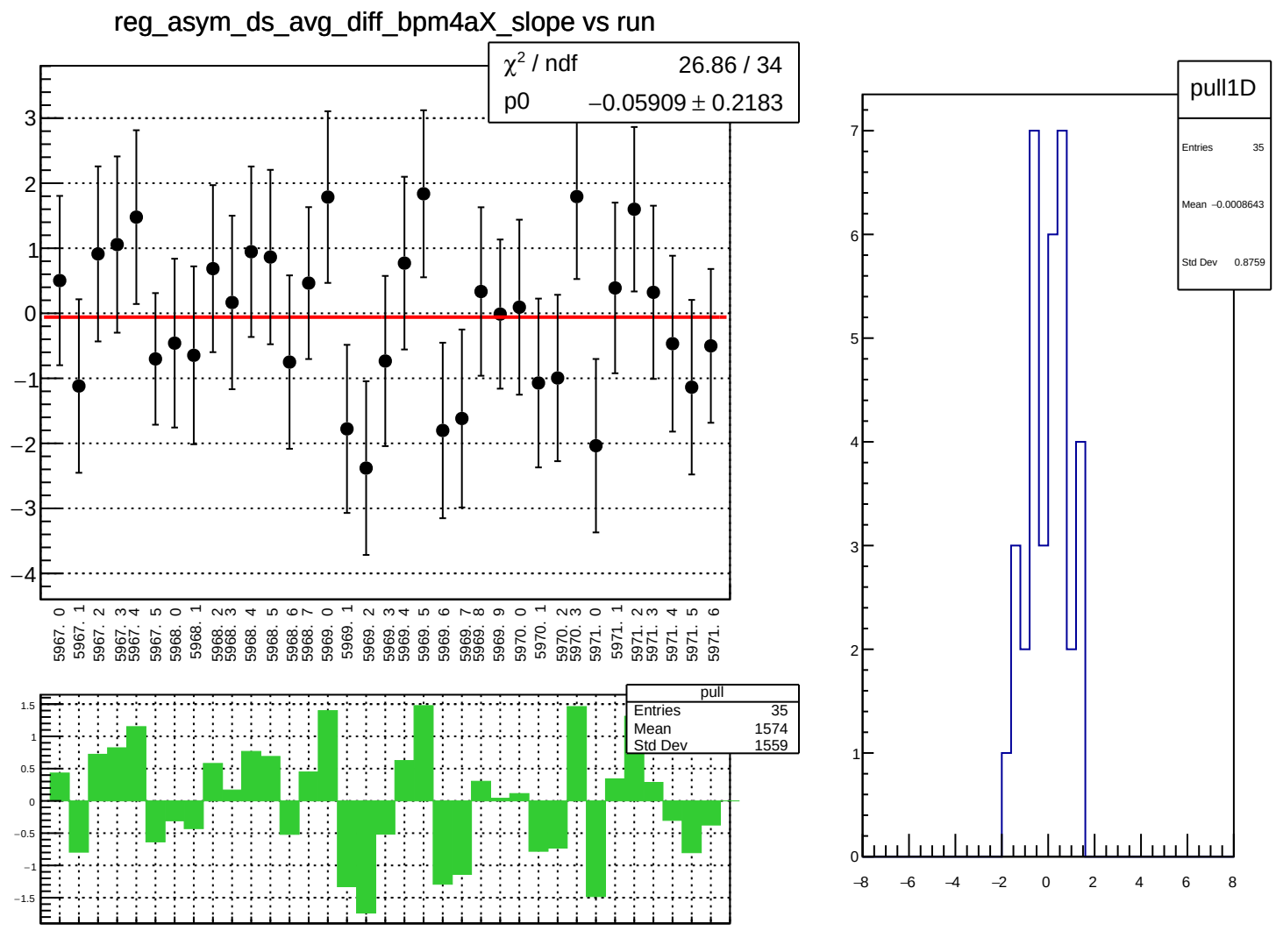

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 14 / 34
p0 0.4426 ± 1.201
15
10
5
0
−5
−10
−15
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −777.5
Std Dev 795.1
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.00336
Std Dev 0.6324
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

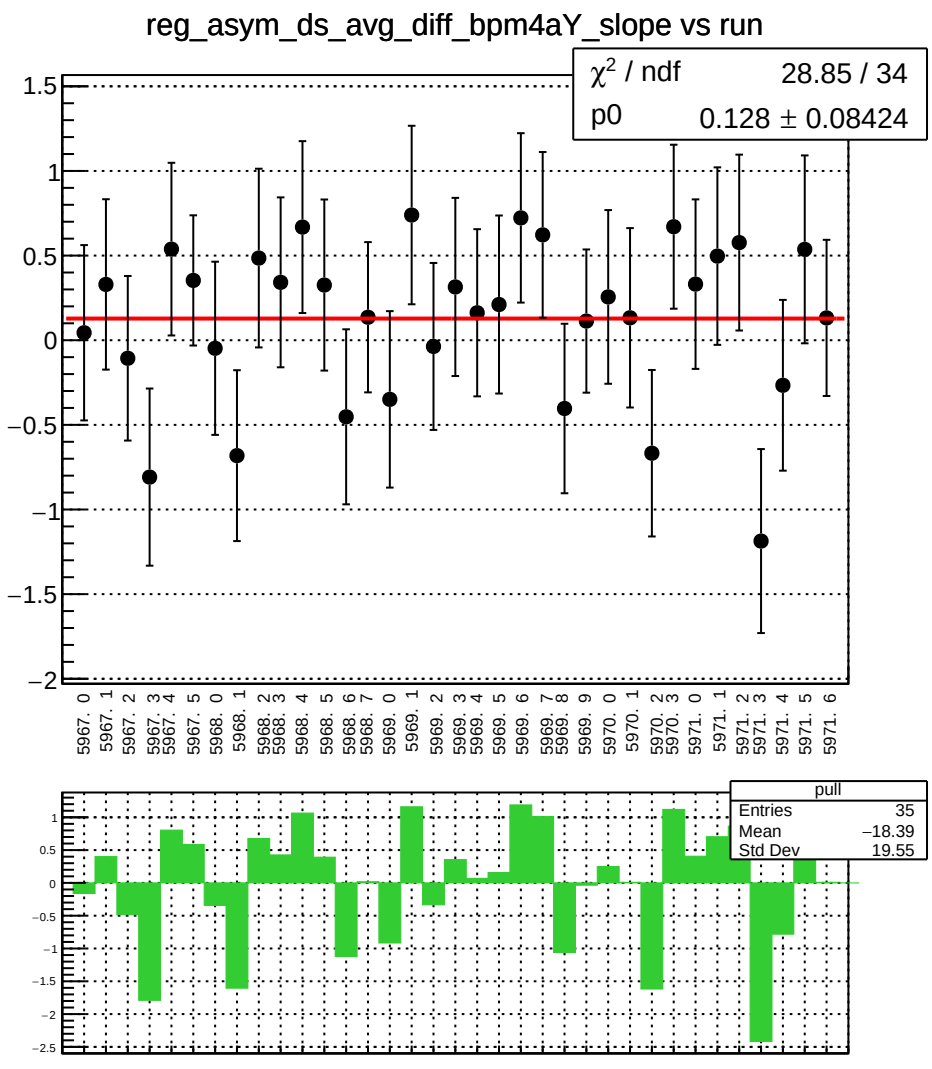

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.65 / 34
p0 −52.87 ± 3.315
0
−20
−40
−60
−80
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −56.87
Std Dev 75.21
2
1.5
1
0.5
0
−0.5
−1
−1.5

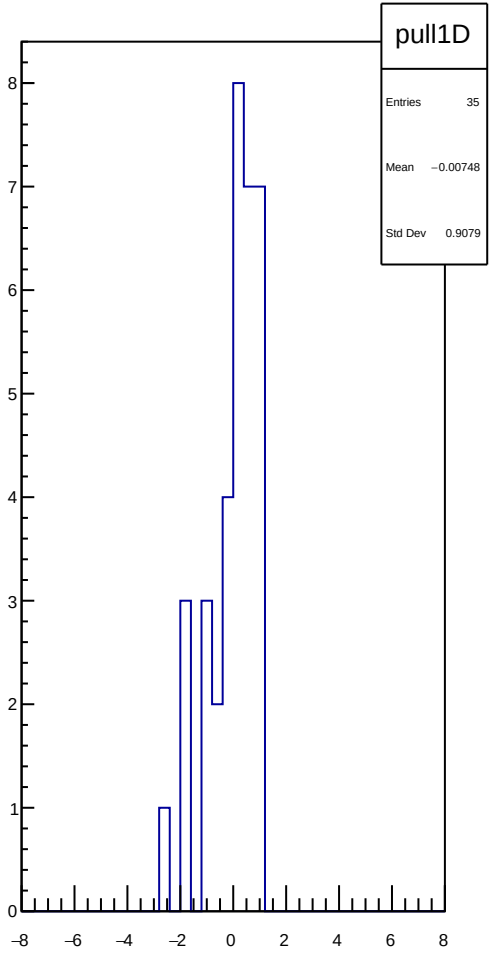

pull1D
Entries 35
Mean −0.006126
Std Dev 0.7102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

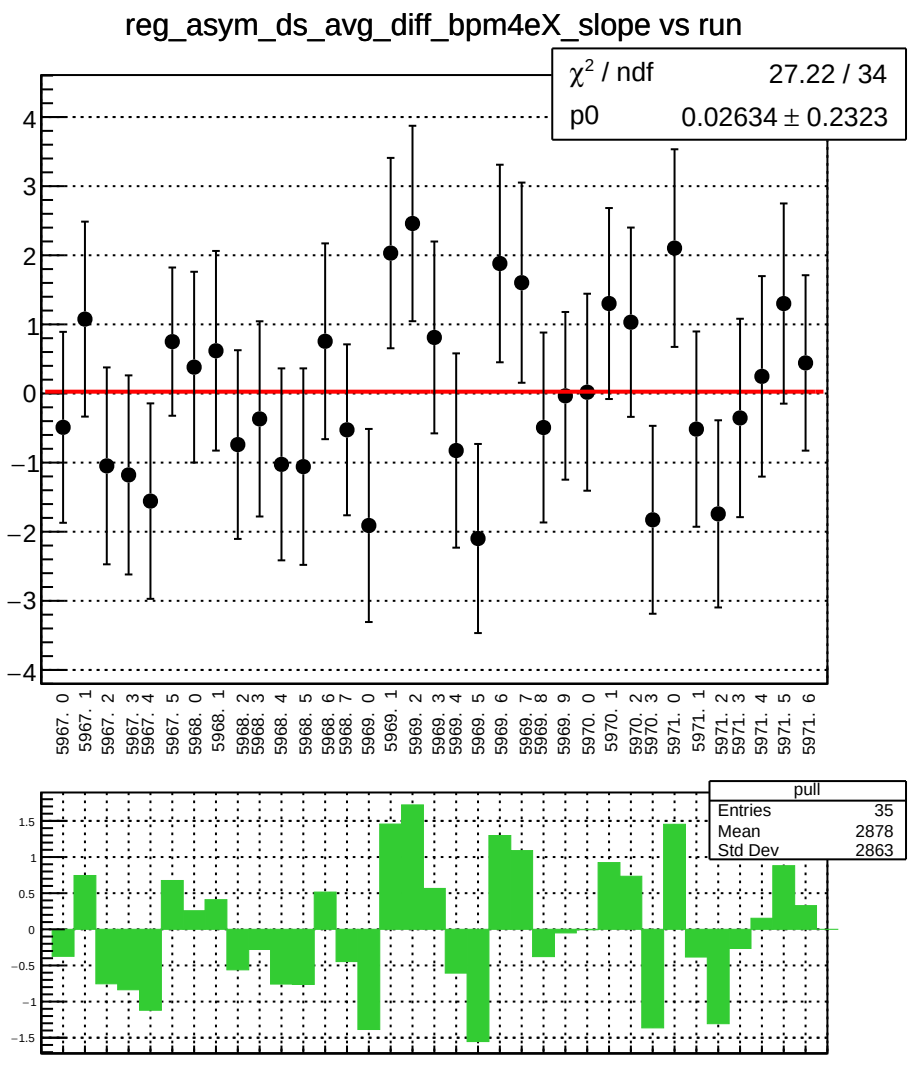

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.33 / 34
p0 0.7627 ± 1.561
20
10
0
−10
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −378.4
Std Dev 396.1
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.007278
Std Dev 0.6398
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

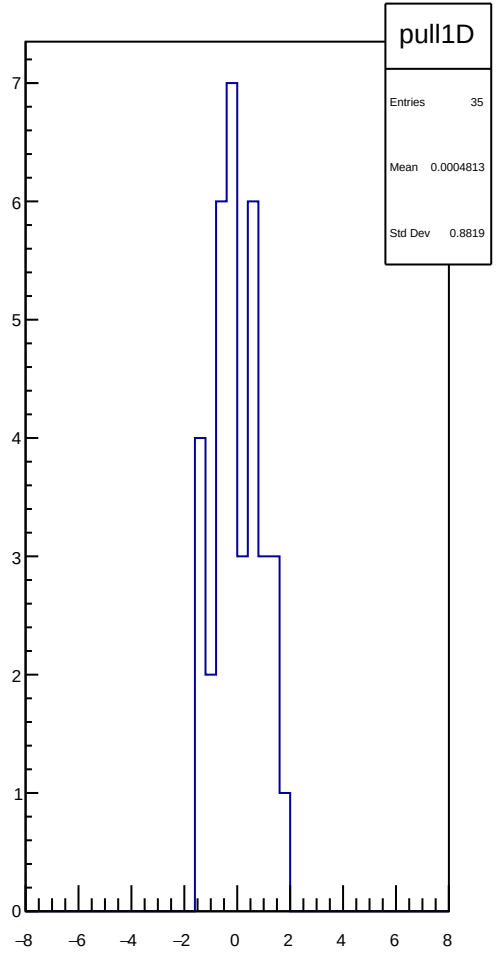

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 12.89 / 34
p0 −0.3236 ± 0.1392
pull
Entries 35
Mean −28.91
Std Dev 45.46
pull1D
Entries 35
Mean 0.01823
Std Dev 0.6066

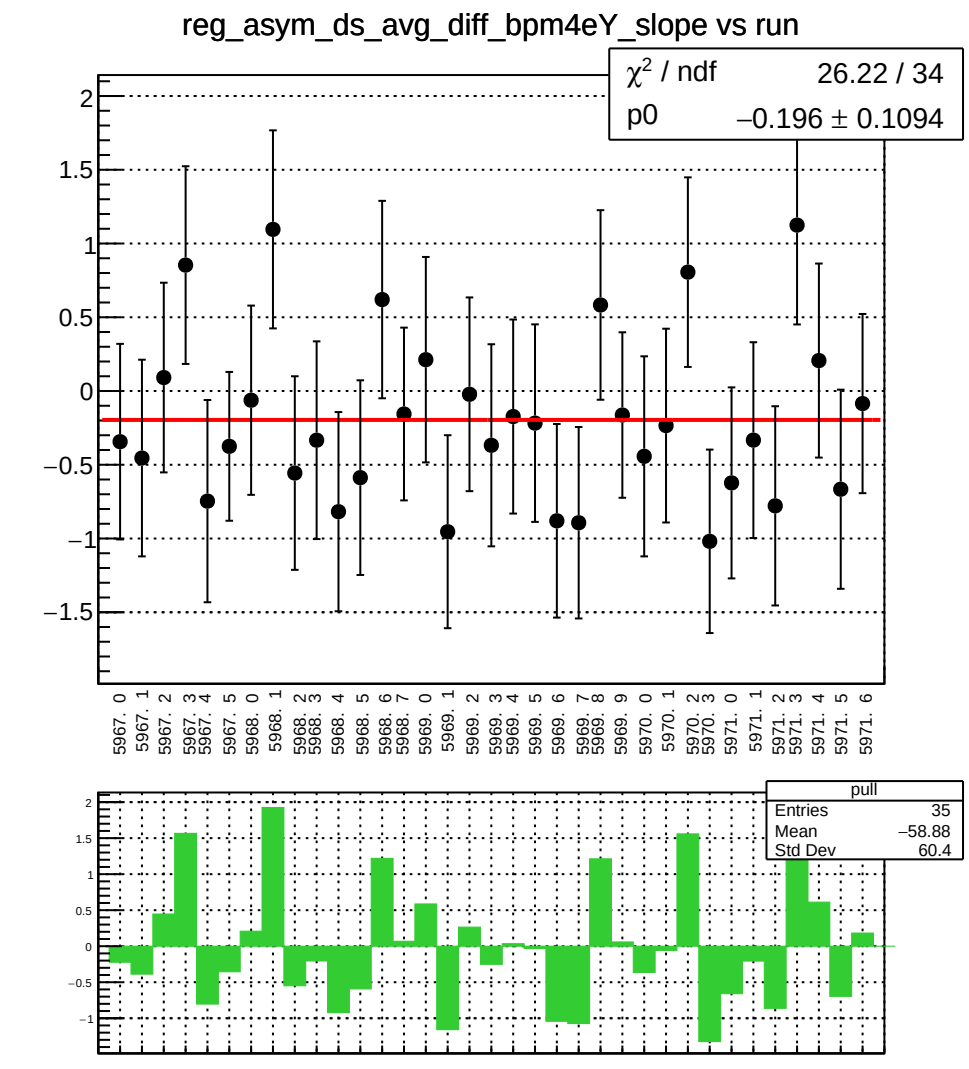

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 26.86 / 34
p0 −0.05909 ± 0.2183
pull
Entries 35
Mean 1574
Std Dev 1559
pull1D
Entries 35
Mean −0.0008643
Std Dev 0.8759

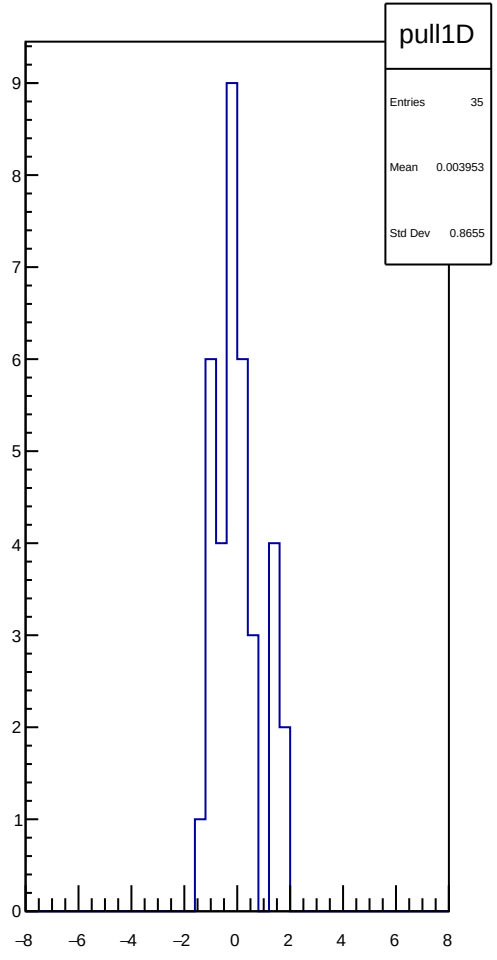

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.85 / 34
p0 0.128 ± 0.08424
pull
Entries 35
Mean −18.39
Std Dev 19.55

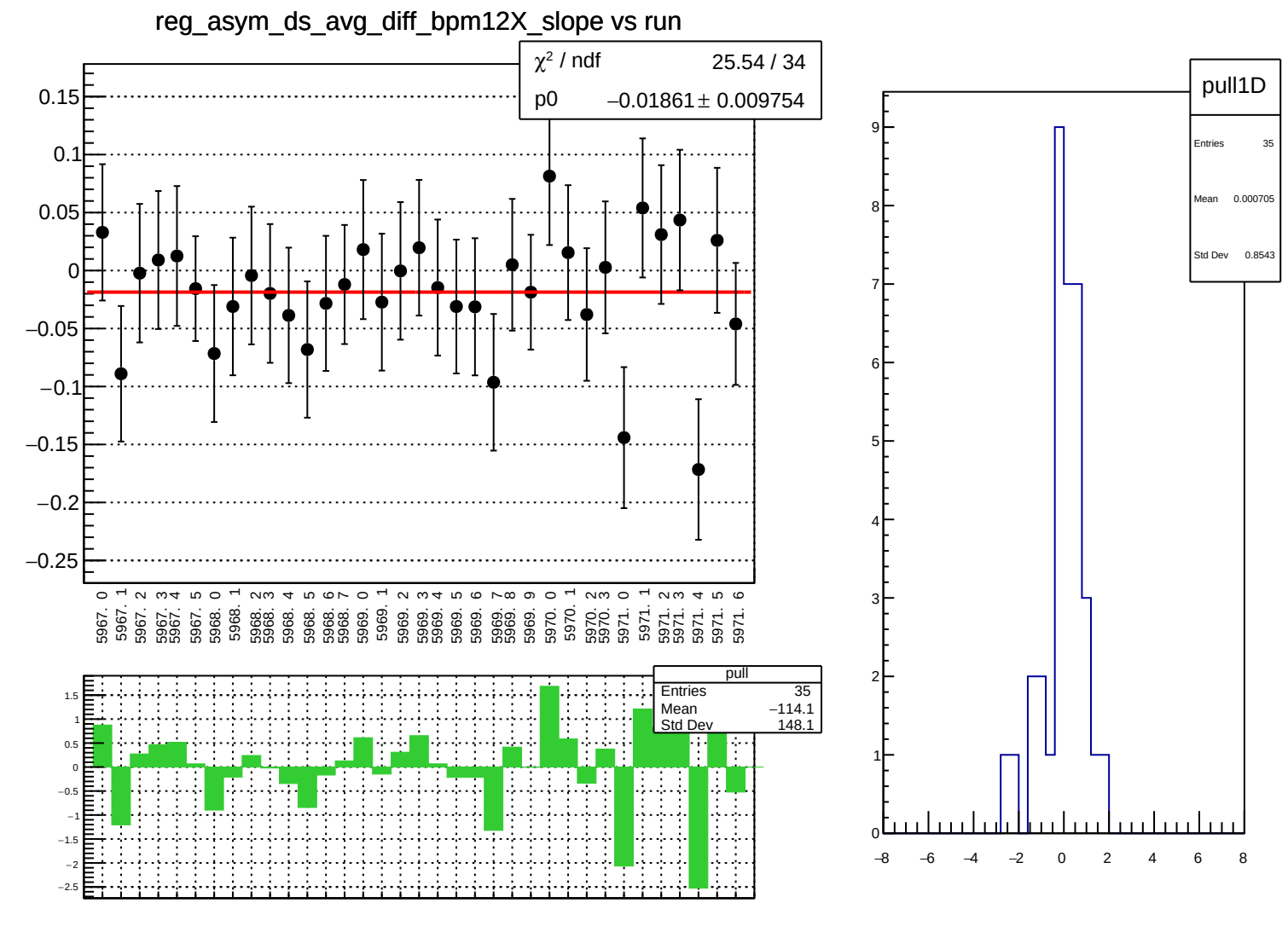

pull1D
Entries 35
Mean −0.00748
Std Dev 0.9079

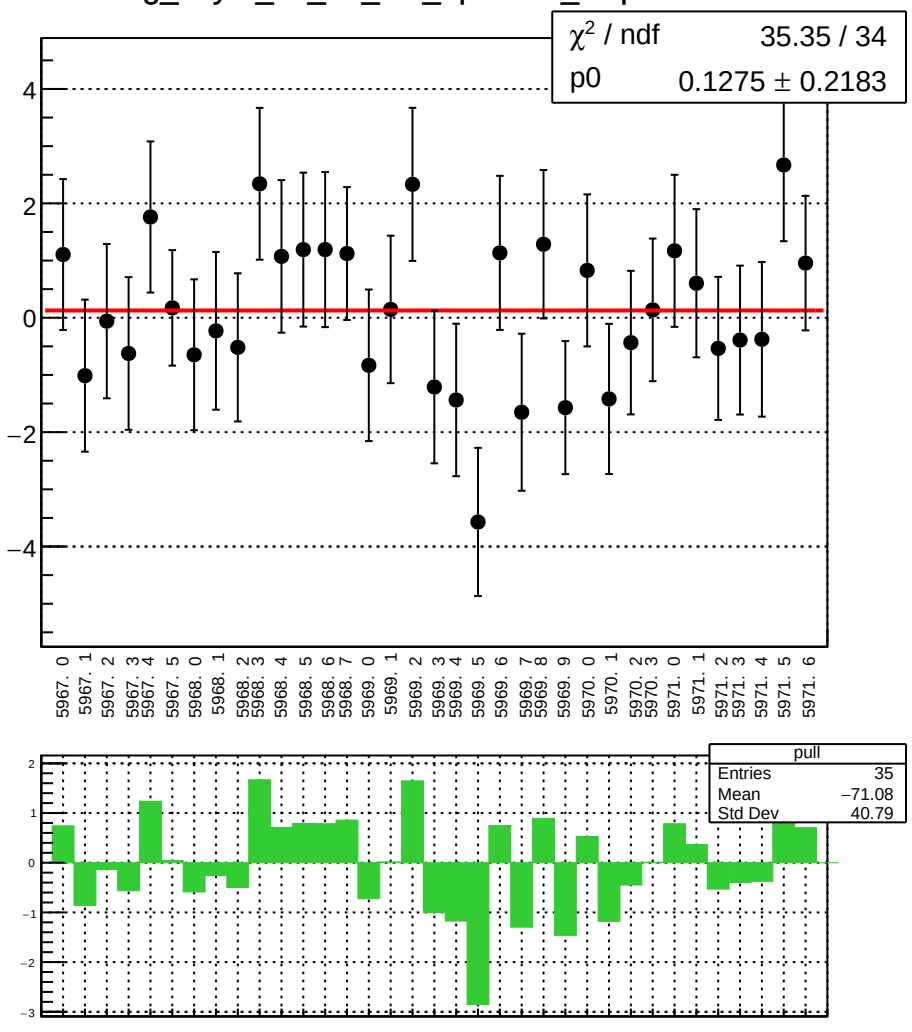

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.22 / 34
p0 0.02634 ± 0.2323
pull
Entries 35
Mean 2878
Std Dev 2863

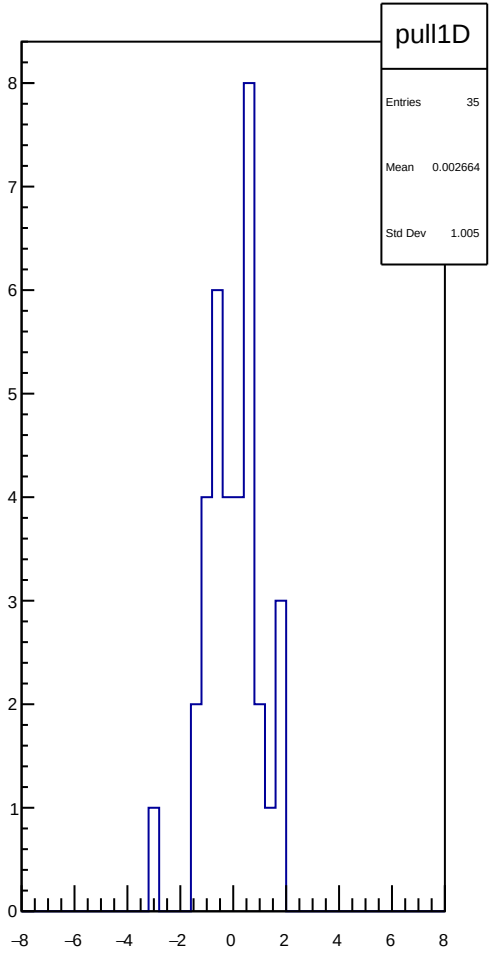

pull1D
Entries 35
Mean 0.0004813
Std Dev 0.8819

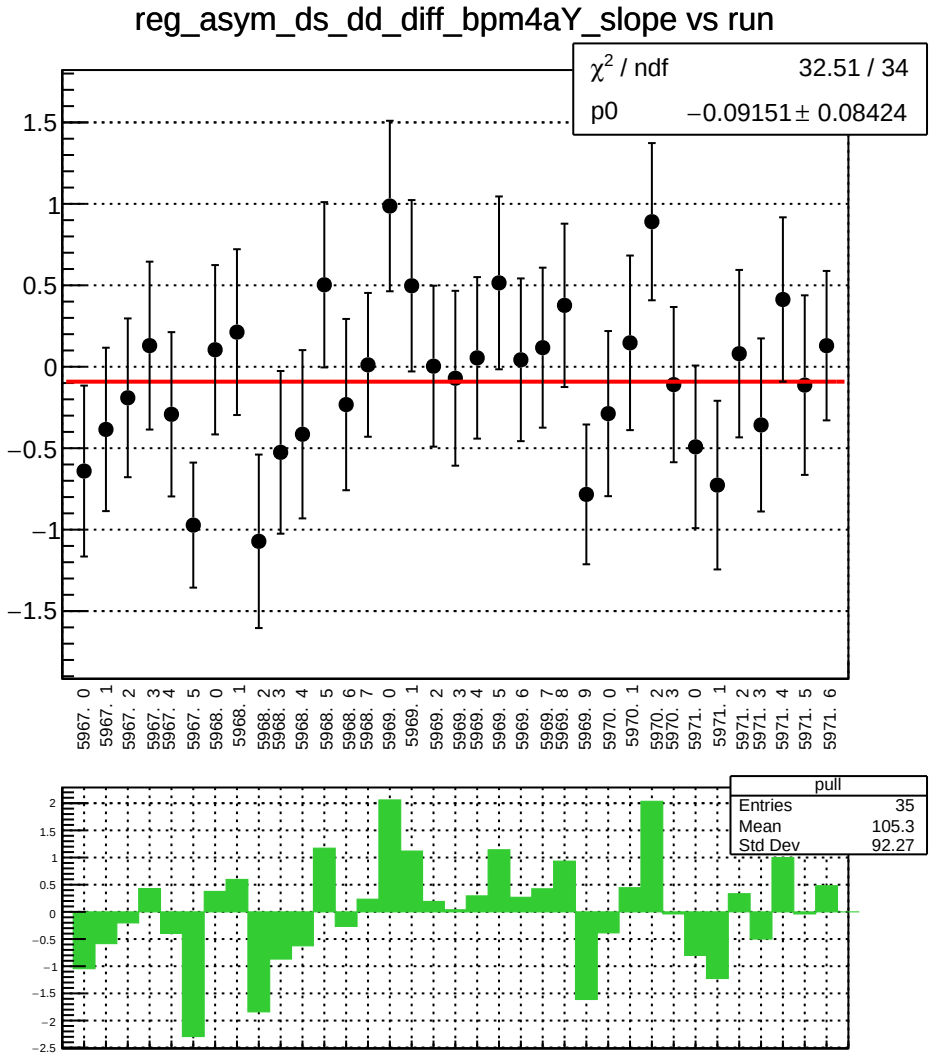

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.22 / 34
p0 −0.196 ± 0.1094
pull
Entries 35
Mean −58.88
Std Dev 60.4

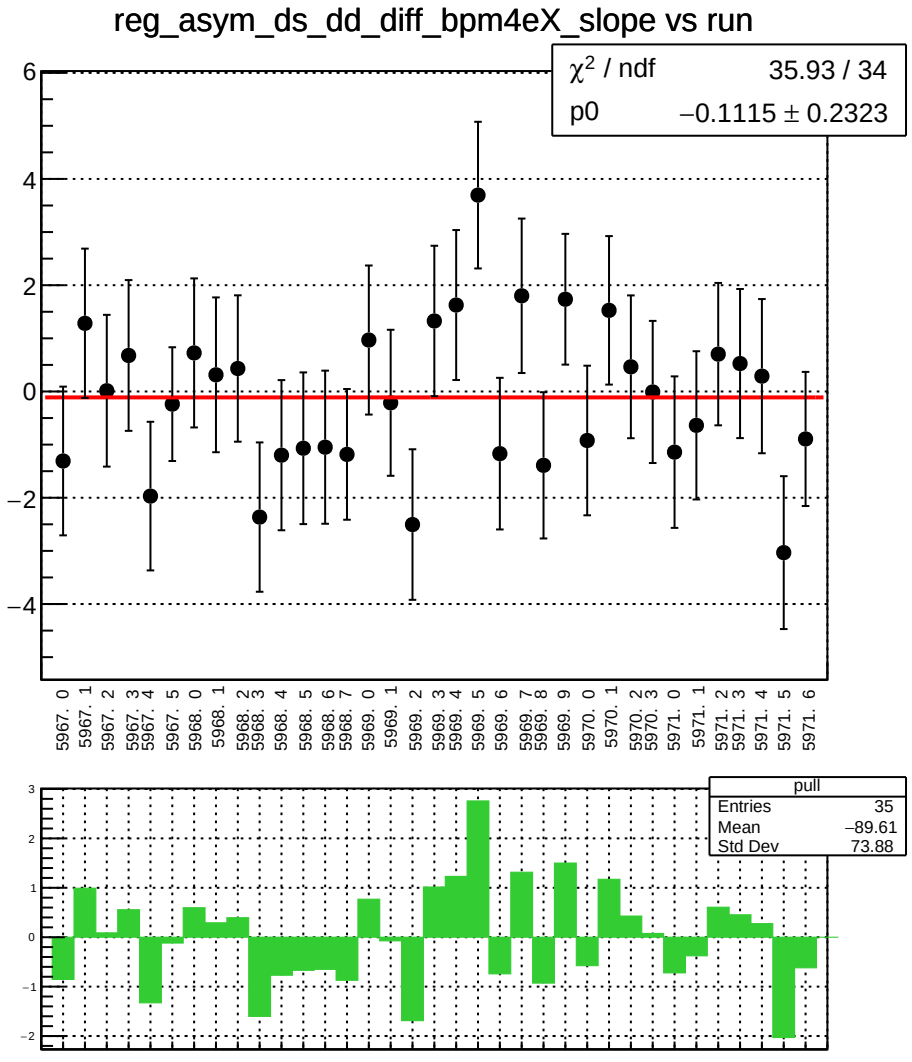

pull1D
Entries 35
Mean 0.003953
Std Dev 0.8655

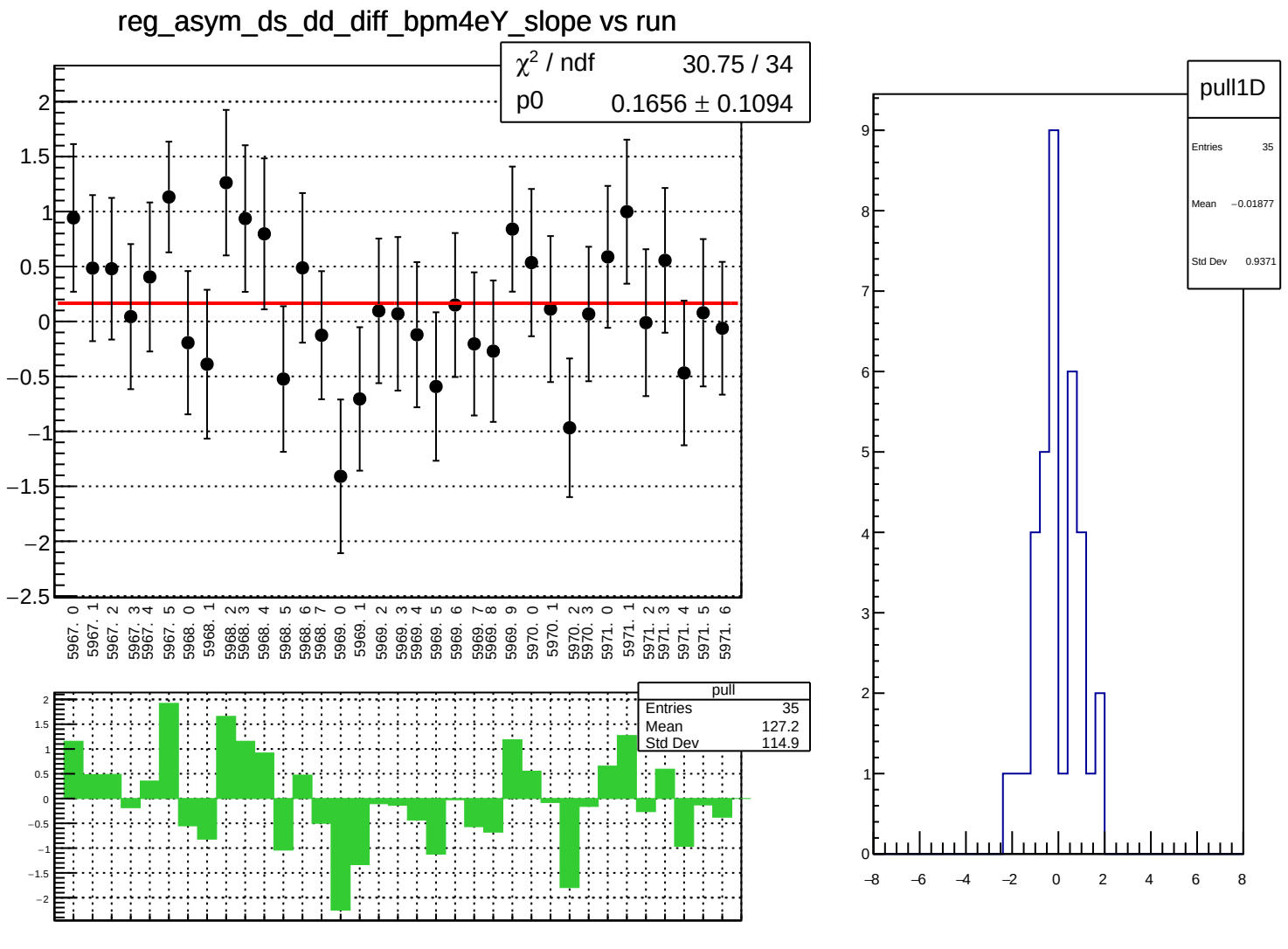

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 25.54 / 34
p0 −0.01861 ± 0.009754
pull
Entries 35
Mean −114.1
Std Dev 148.1
pull1D
Entries 35
Mean 0.000705
Std Dev 0.8543

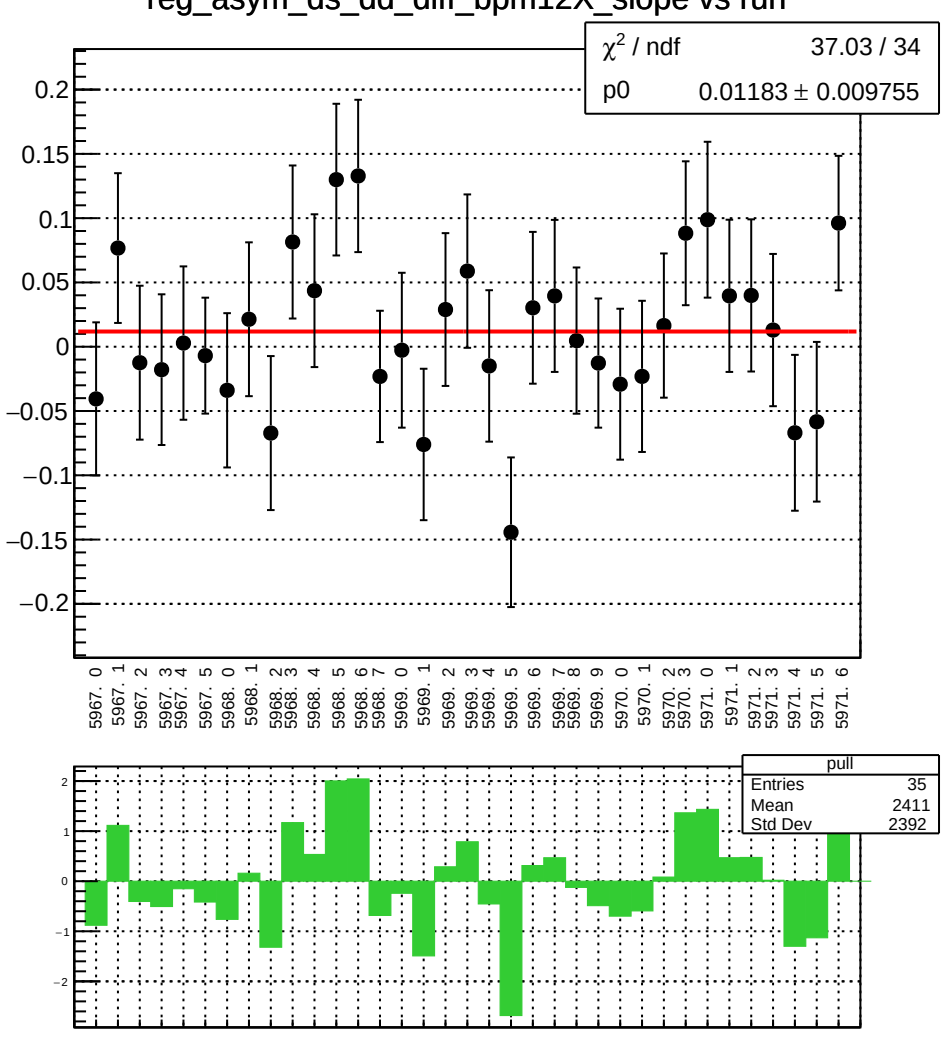

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 35.35 / 34
p0 0.1275 ± 0.2183
pull
Entries 35
Mean −71.08
Std Dev 40.79

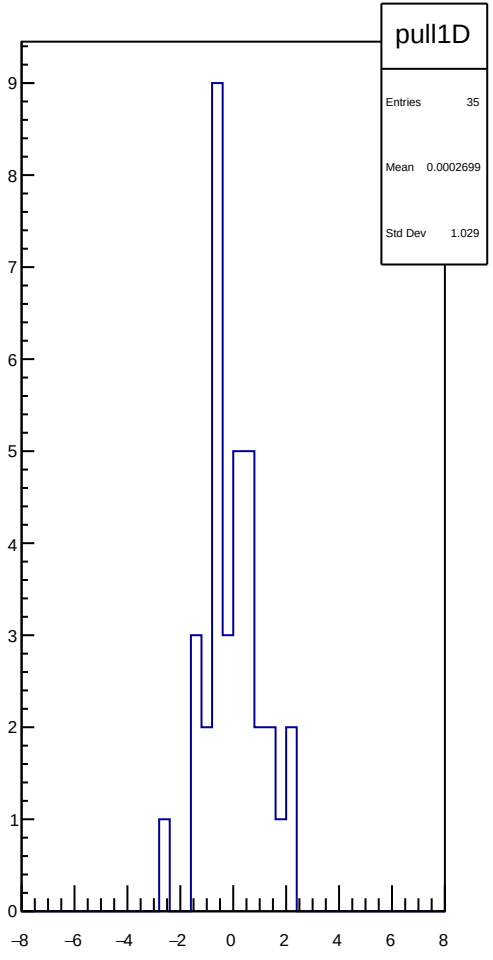

pull1D
Entries 35
Mean 0.002664
Std Dev 1.005

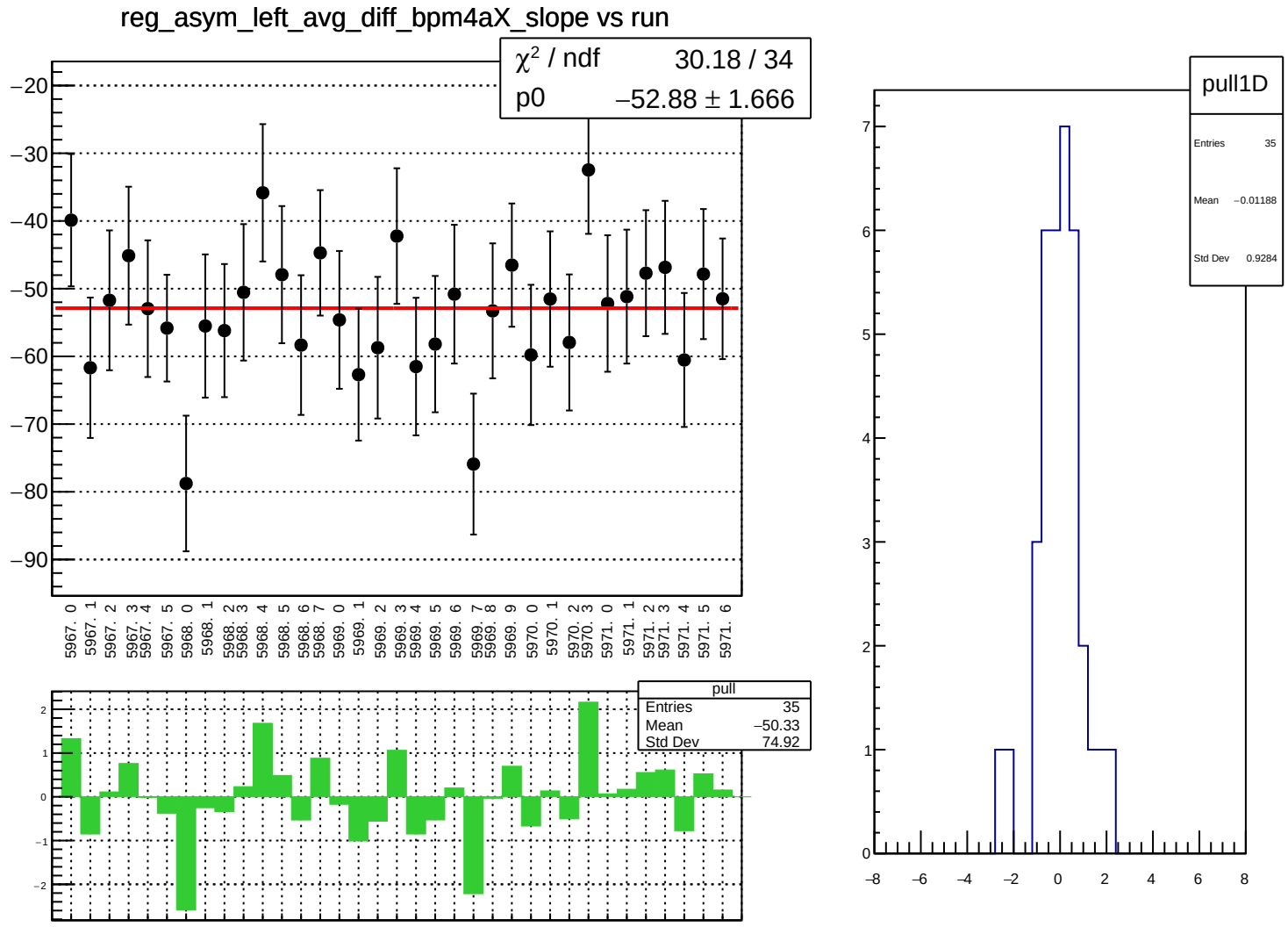

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.51 / 34
p0 −0.09151 ± 0.08424
pull
Entries 35
Mean 105.3
Std Dev 92.27
pull1D
Entries 35
Mean 0.0243
Std Dev 0.9634

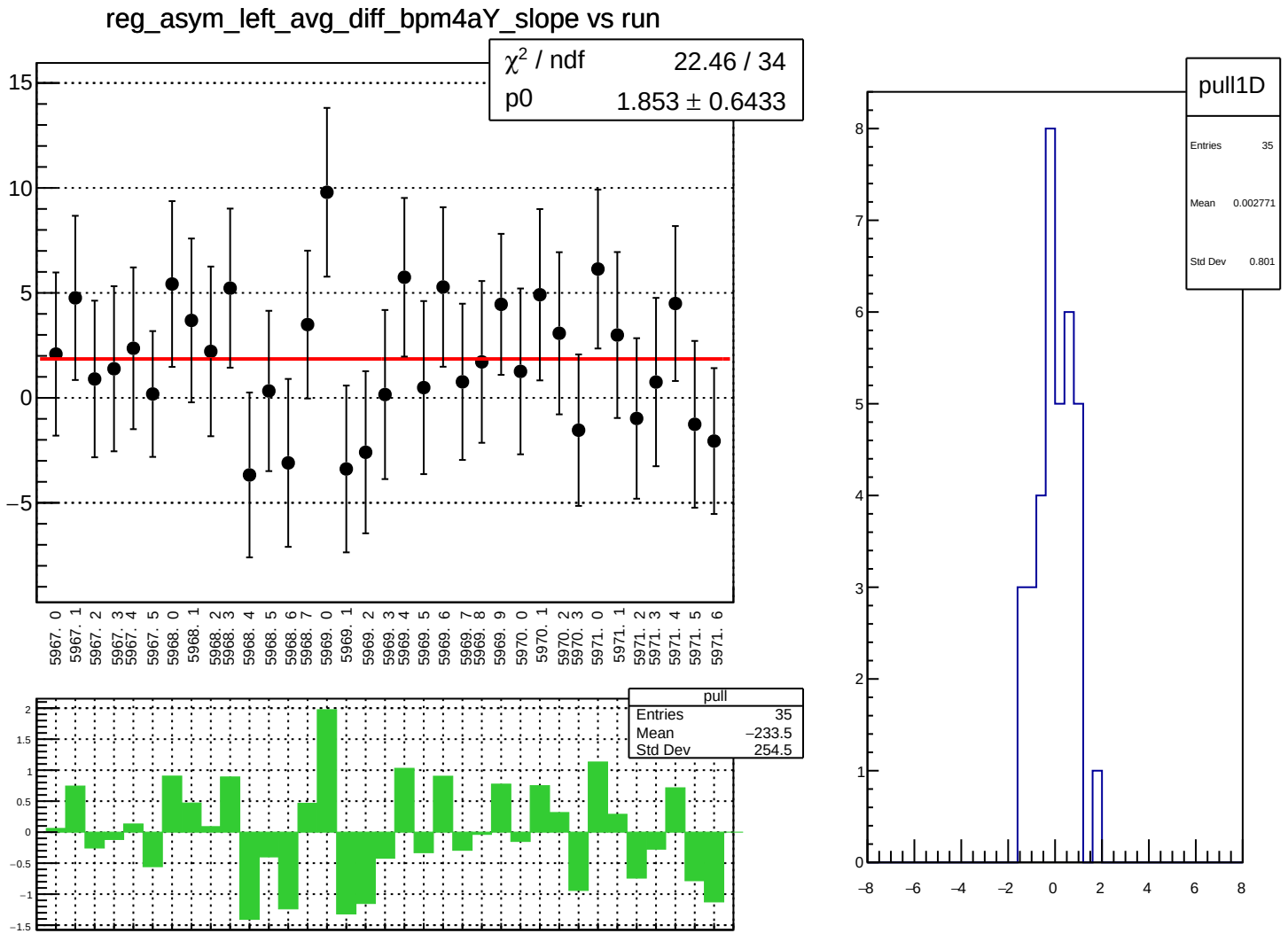

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.93 / 34
p0 −0.1115 ± 0.2323
pull
Entries 35
Mean −89.61
Std Dev 73.88
pull1D
Entries 35
Mean −0.002862
Std Dev 1.013

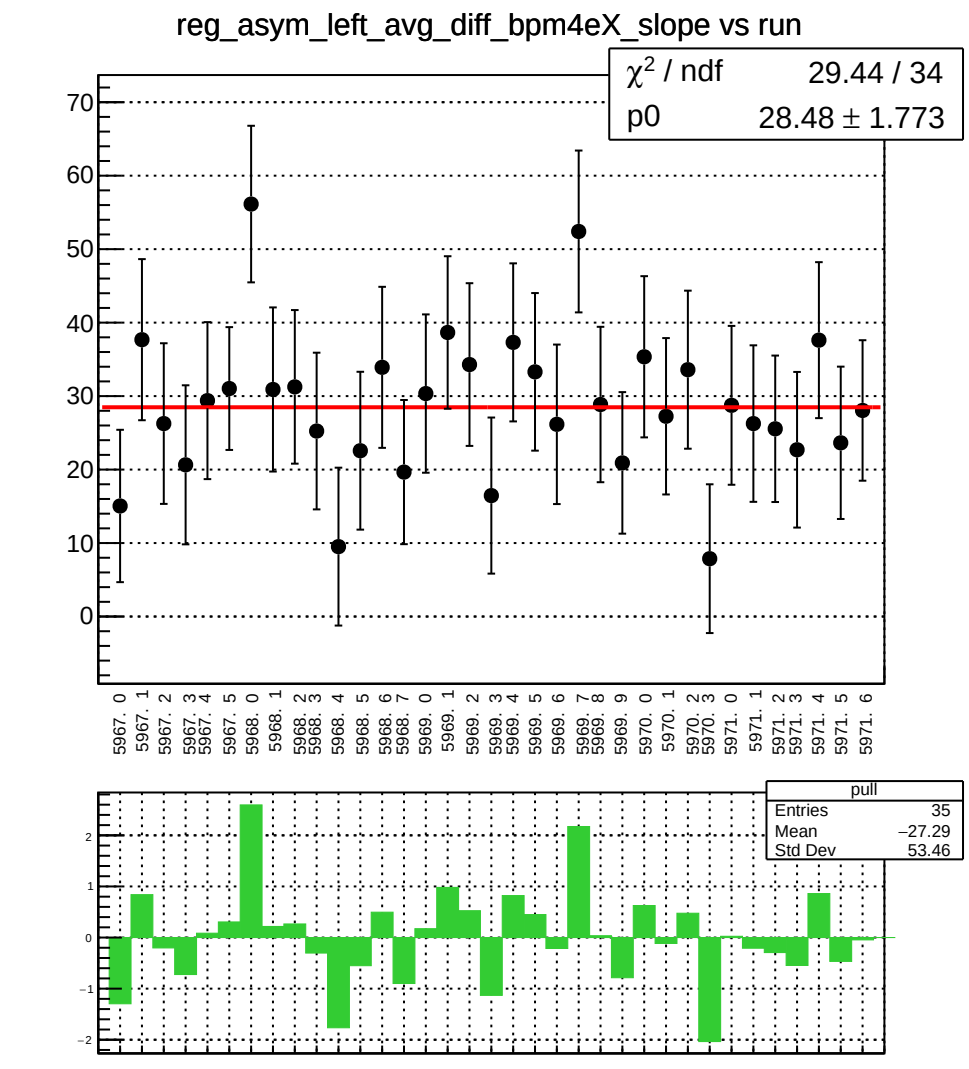

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.75 / 34
p0 0.1656 ± 0.1094
pull
Entries 35
Mean 127.2
Std Dev 114.9
pull1D
Entries 35
Mean −0.01877
Std Dev 0.9371

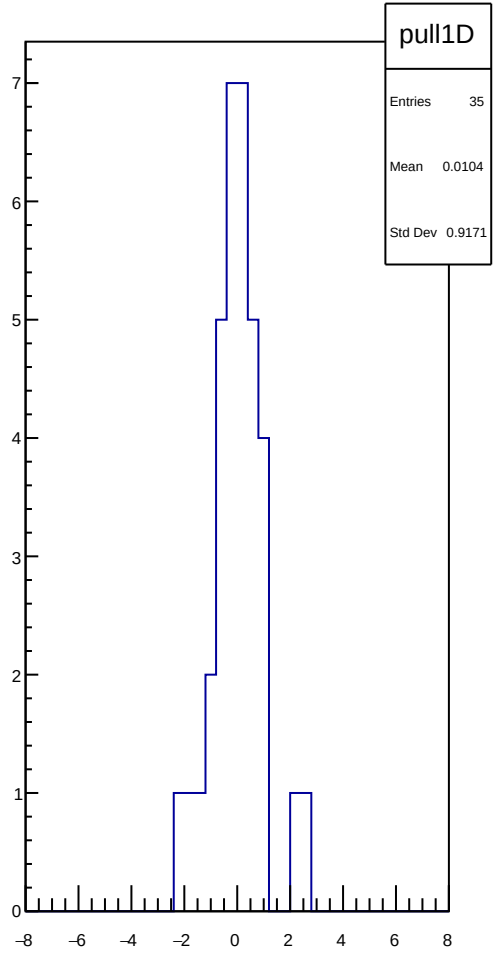

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 37.03 / 34
p0 0.01183 ± 0.009755
pull
Entries 35
Mean 2411
Std Dev 2392

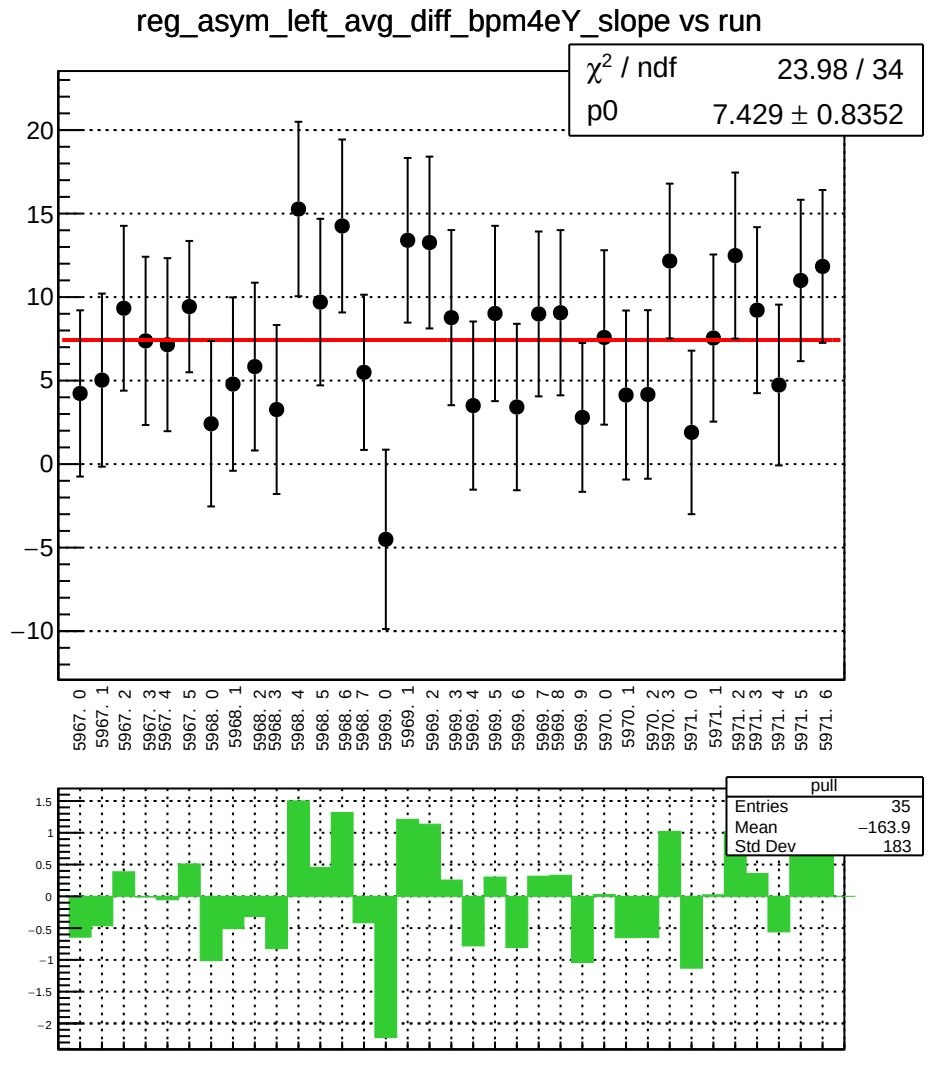

pull1D
Entries 35
Mean 0.0002699
Std Dev 1.029

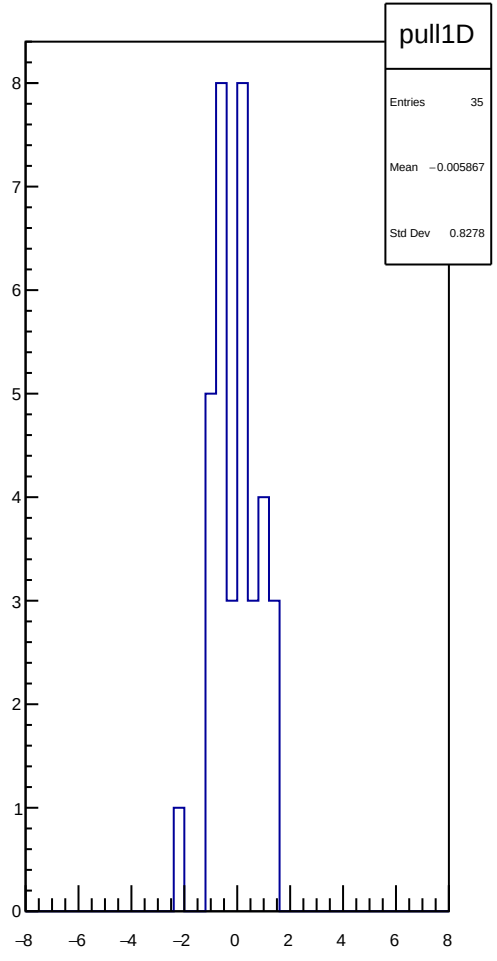

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 30.18 / 34
p0 −52.88 ± 1.666
pull
Entries 35
Mean −50.33
Std Dev 74.92
pull1D
Entries 35
Mean −0.01188
Std Dev 0.9284

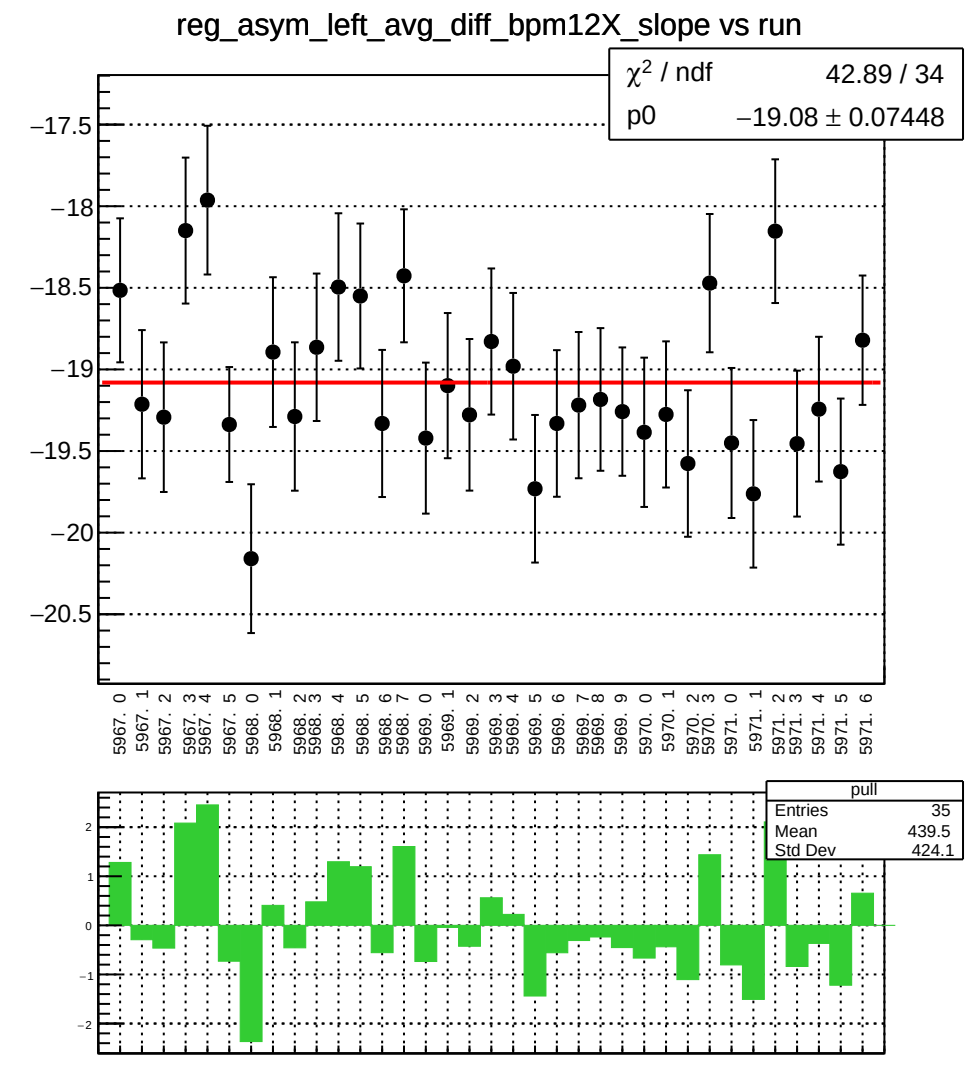

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.46 / 34
p0 1.853 ± 0.6433
15
10
5
0
−5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −233.5
Std Dev 254.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.002771
Std Dev 0.801
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

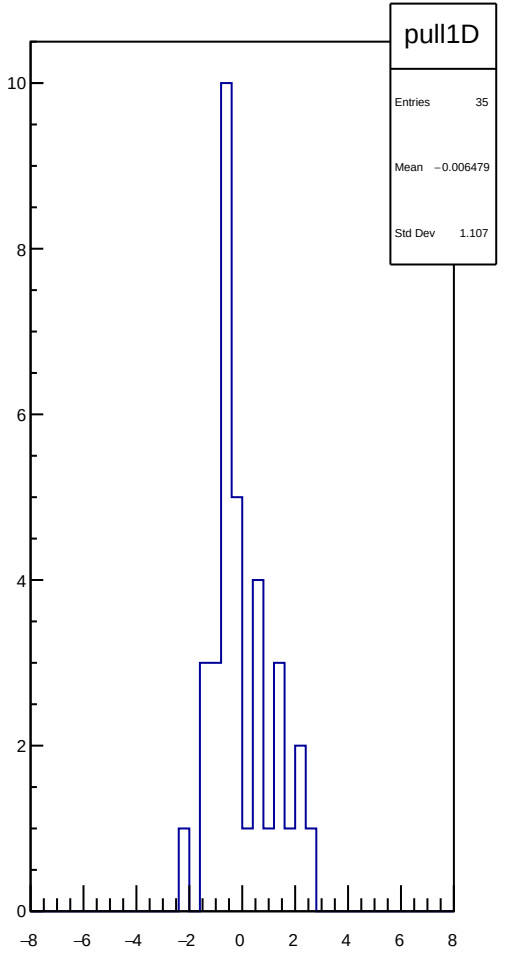

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.44 / 34
p0 28.48 ± 1.773
pull
Entries 35
Mean −27.29
Std Dev 53.46

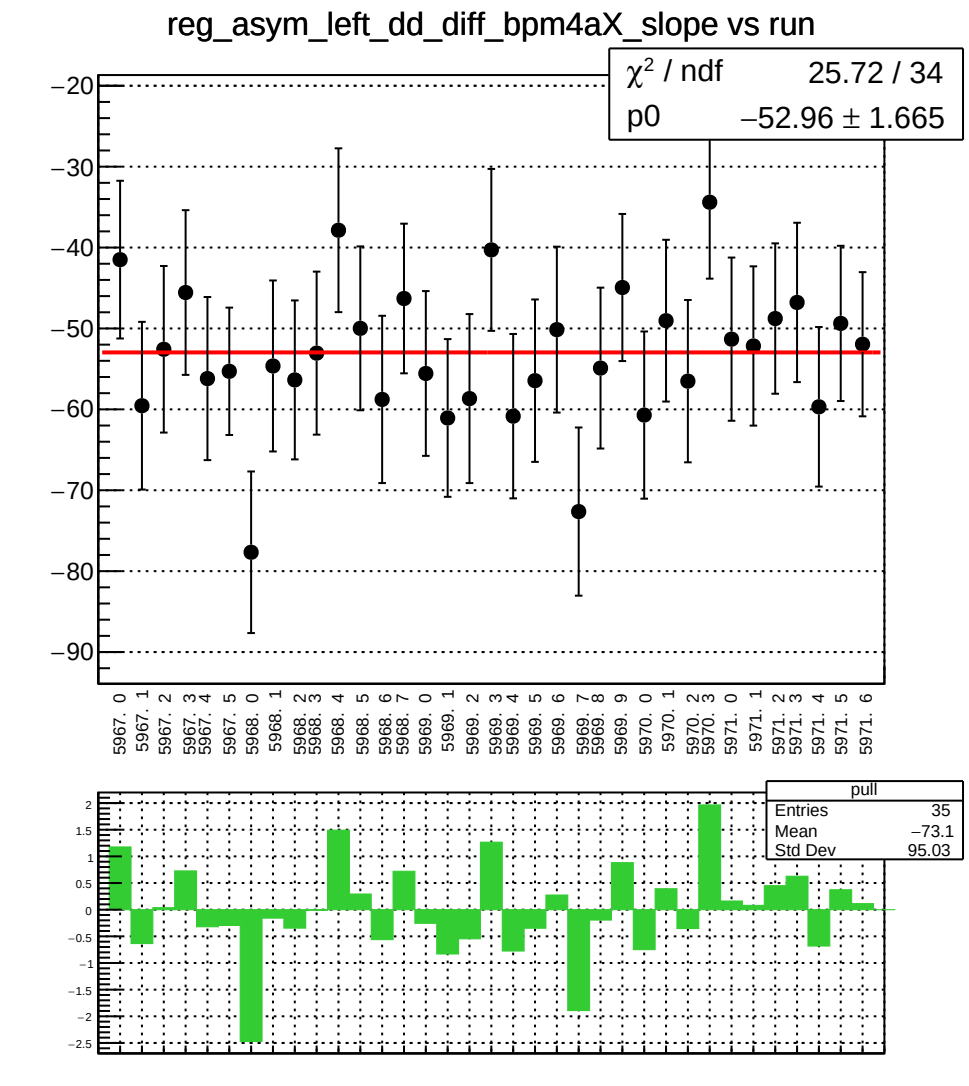

pull1D
Entries 35
Mean 0.0104
Std Dev 0.9171

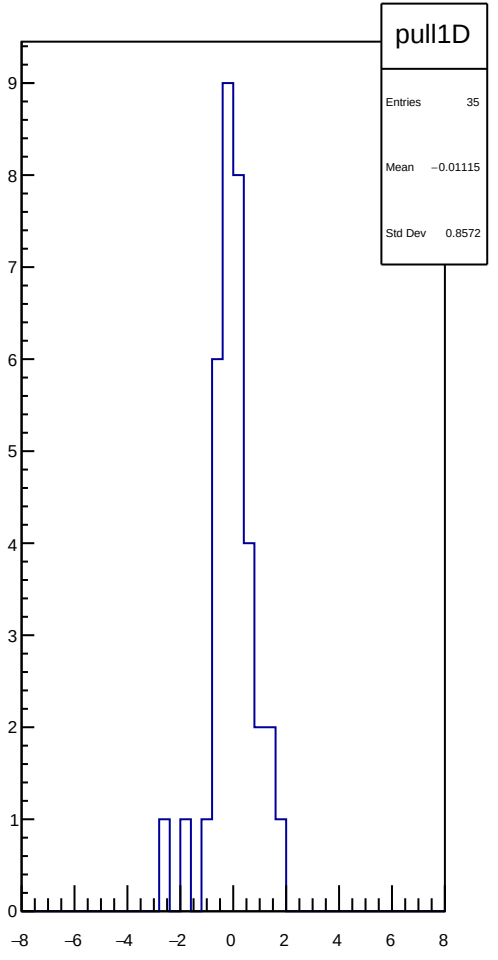

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.98 / 34
p0 7.429 ± 0.8352
pull
Entries 35
Mean −163.9
Std Dev 183

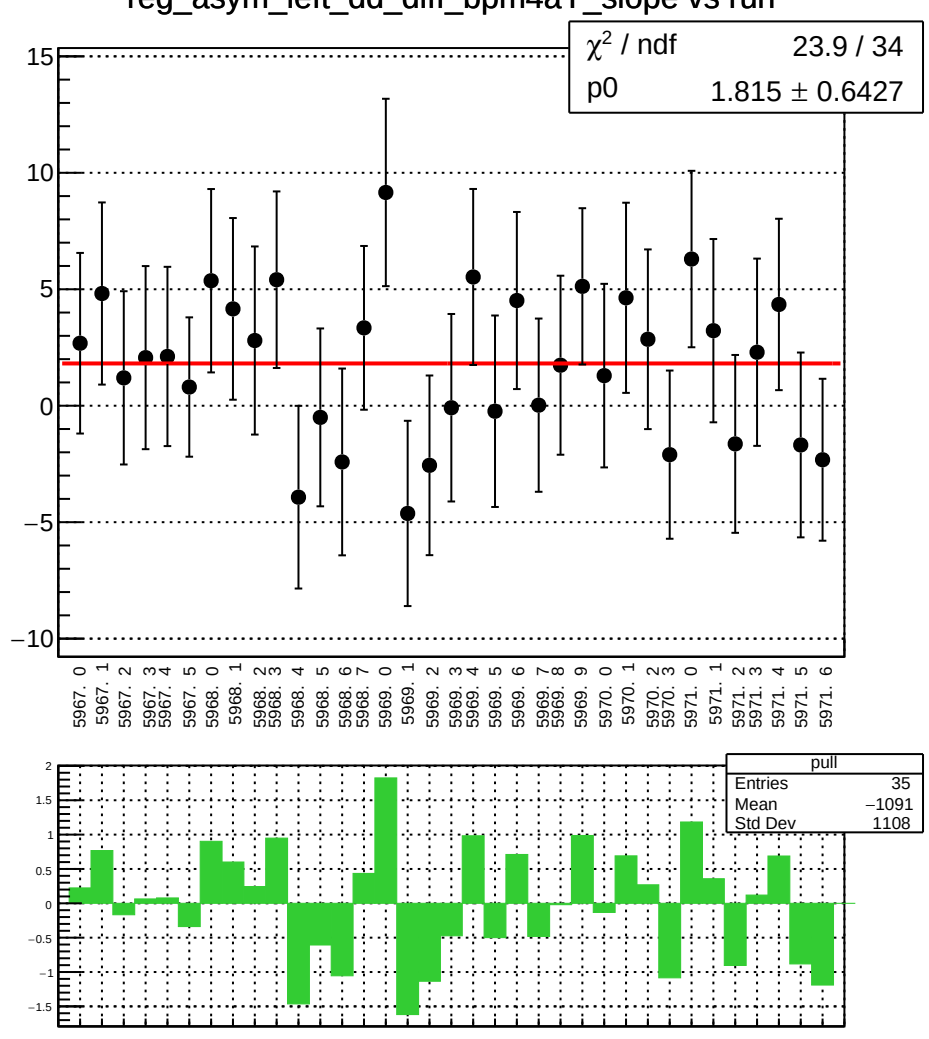

pull1D
Entries 35
Mean −0.005867
Std Dev 0.8278

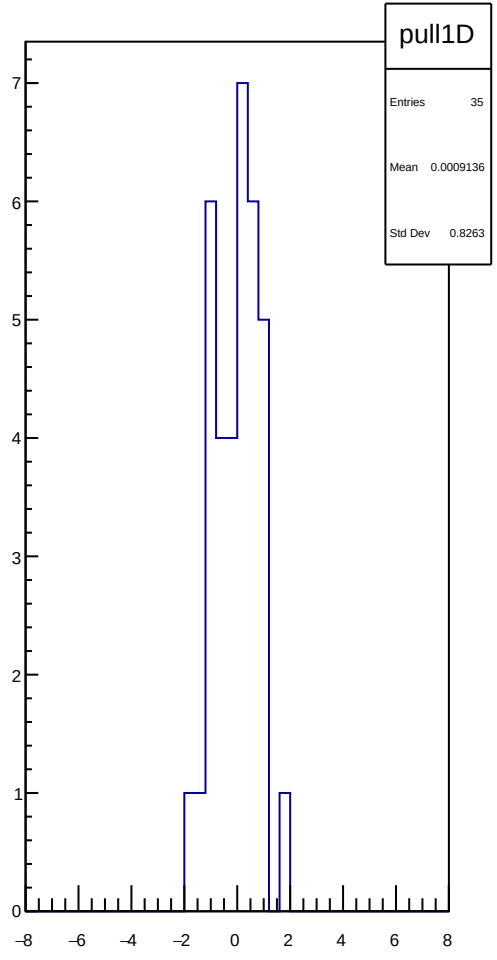

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 42.89 / 34
p0 −19.08 ± 0.07448
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 439.5
Std Dev 424.1
2
1
0
−1
−2

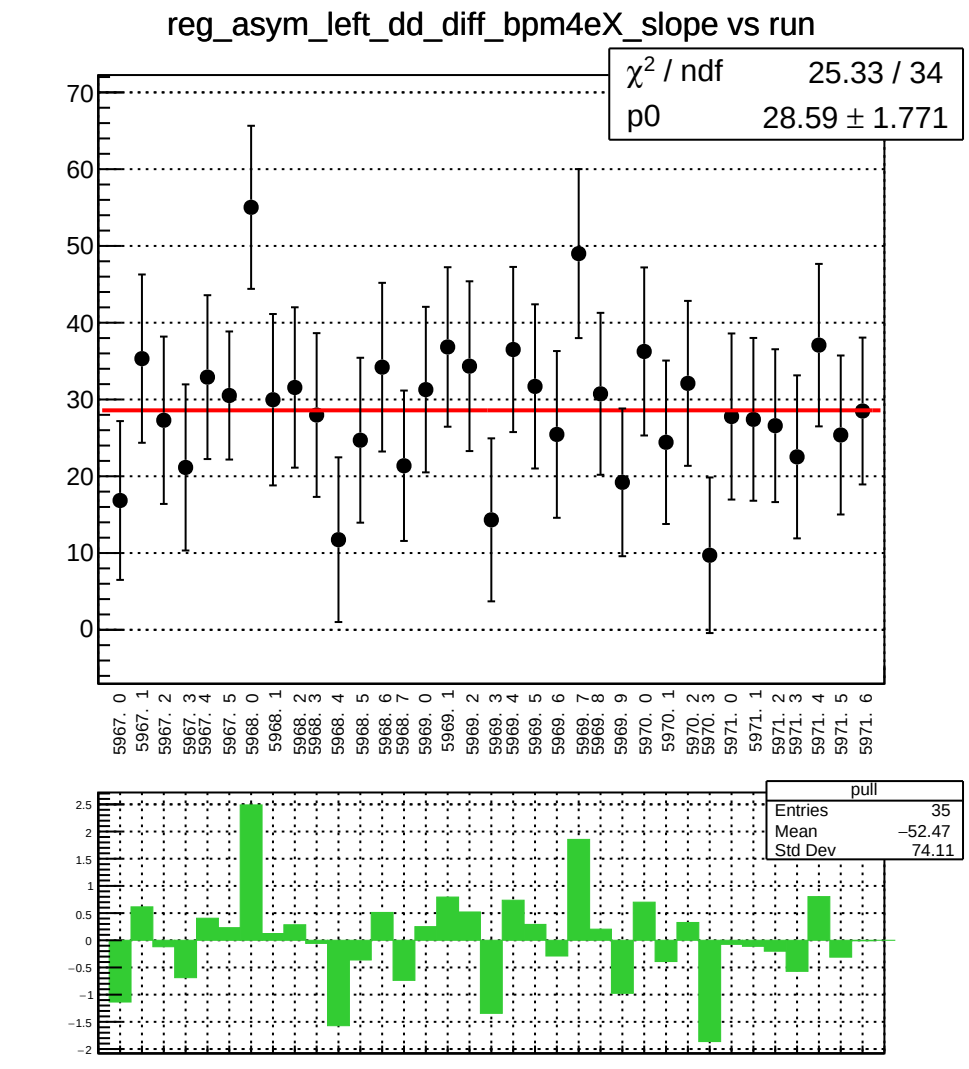

pull1D
Entries 35
Mean −0.006479
Std Dev 1.107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

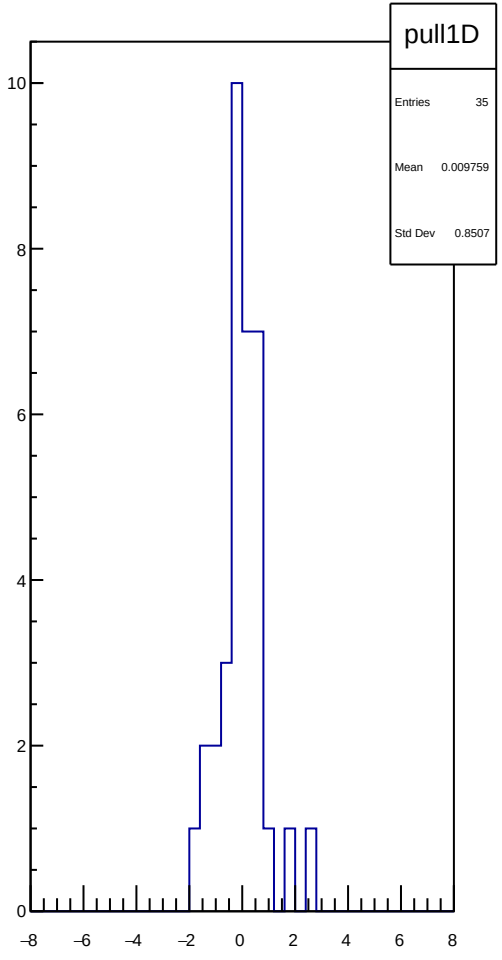

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 25.72 / 34
p0 −52.96 ± 1.665
pull
Entries 35
Mean −73.1
Std Dev 95.03

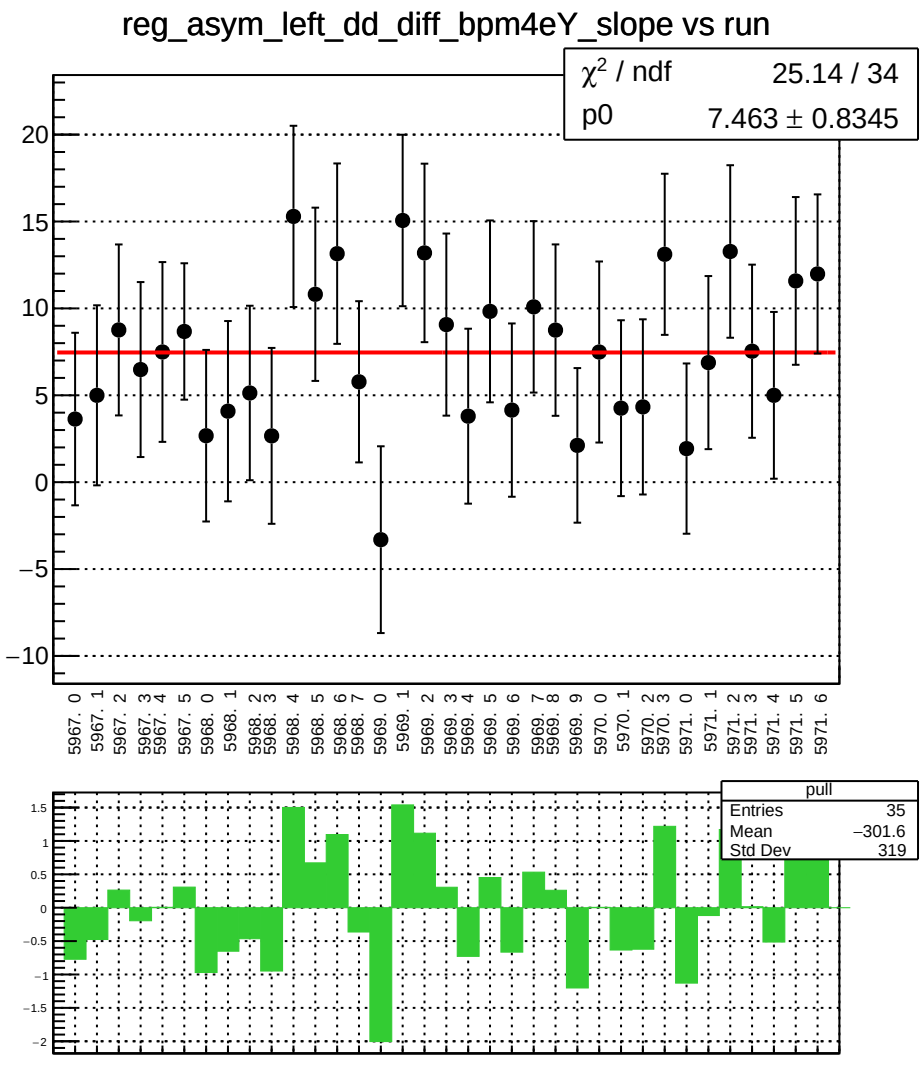

pull1D
Entries 35
Mean −0.01115
Std Dev 0.8572

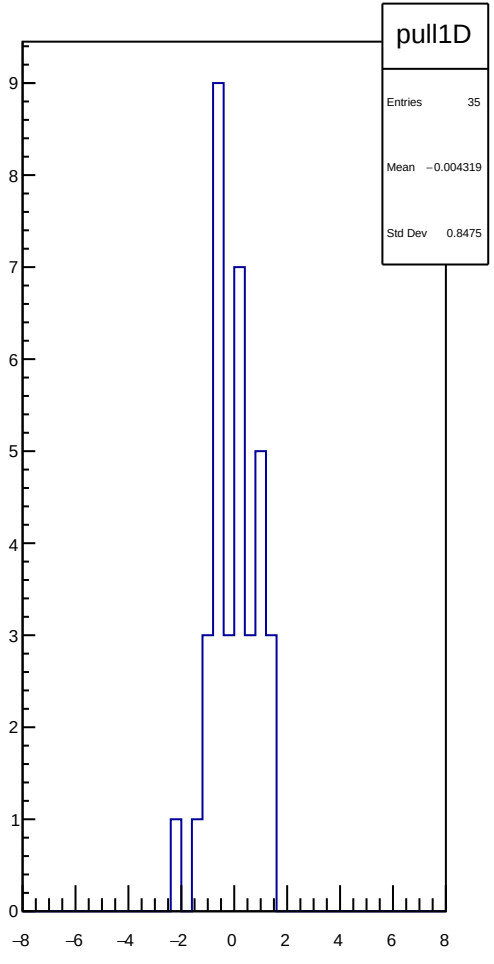

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.9 / 34
p0 1.815 ± 0.6427
pull
Entries 35
Mean −1091
Std Dev 1108

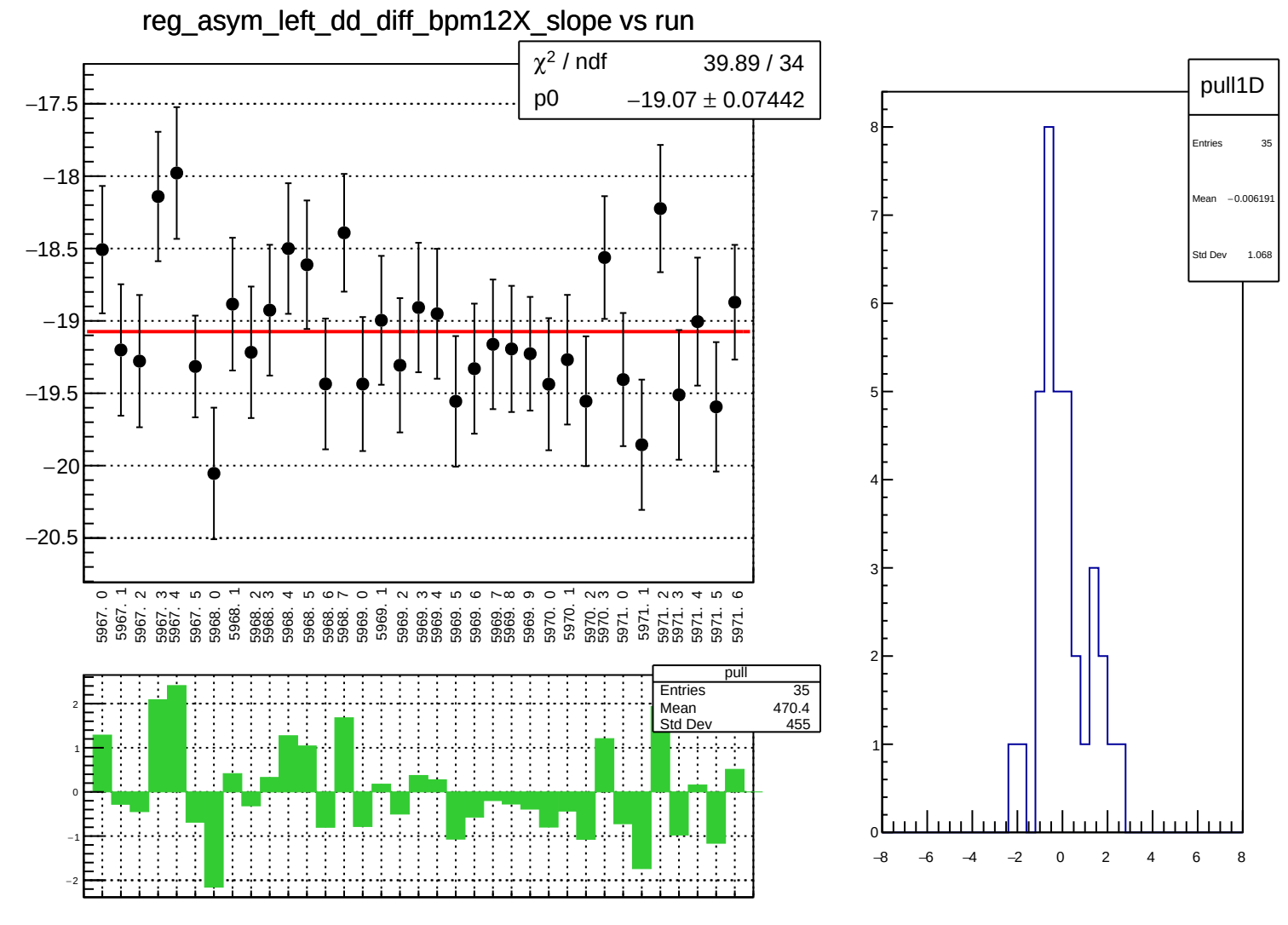

pull1D
Entries 35
Mean 0.0009136
Std Dev 0.8263

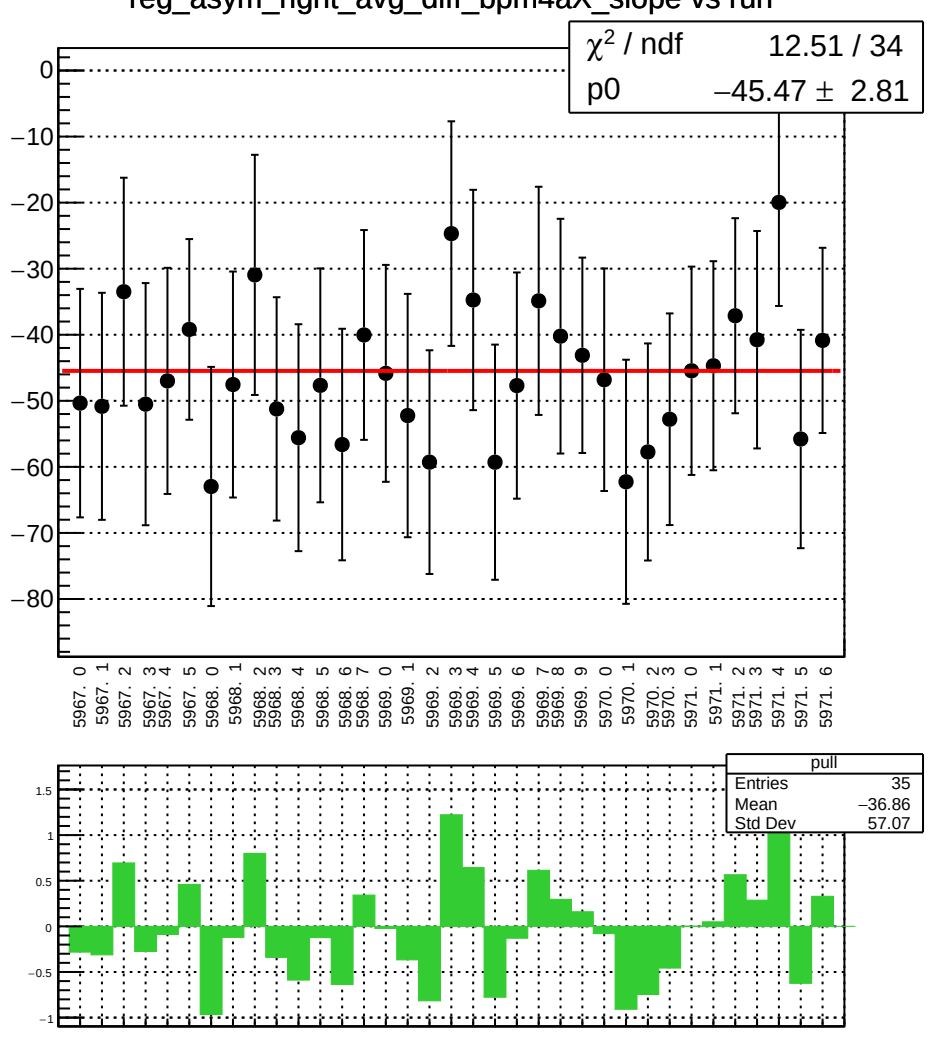

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.33 / 34
p0 28.59 ± 1.771
pull
Entries 35
Mean −52.47
Std Dev 74.11

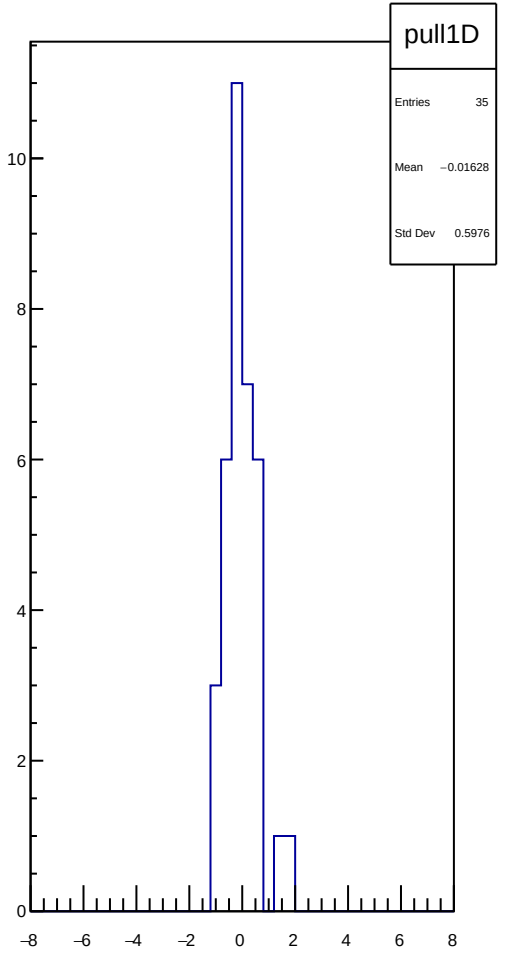

pull1D
Entries 35
Mean 0.009759
Std Dev 0.8507

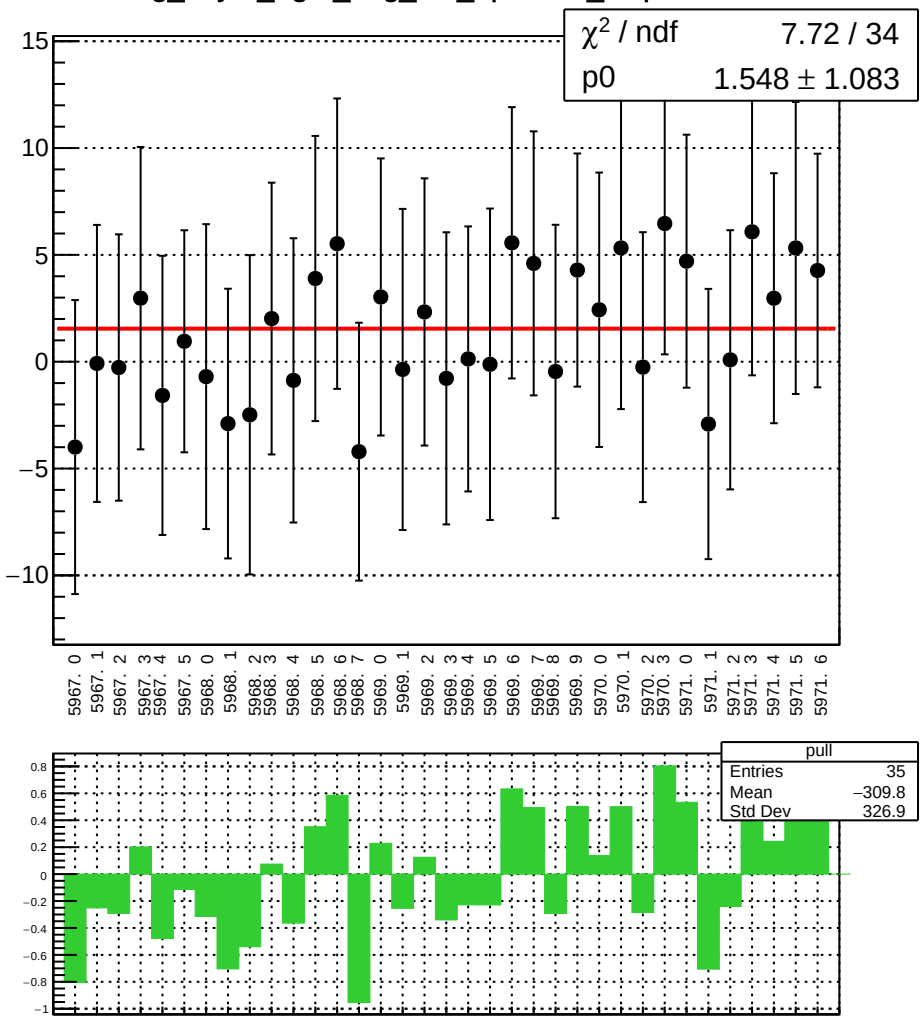

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.14 / 34
p0 7.463 ± 0.8345
pull
Entries 35
Mean −301.6
Std Dev 319

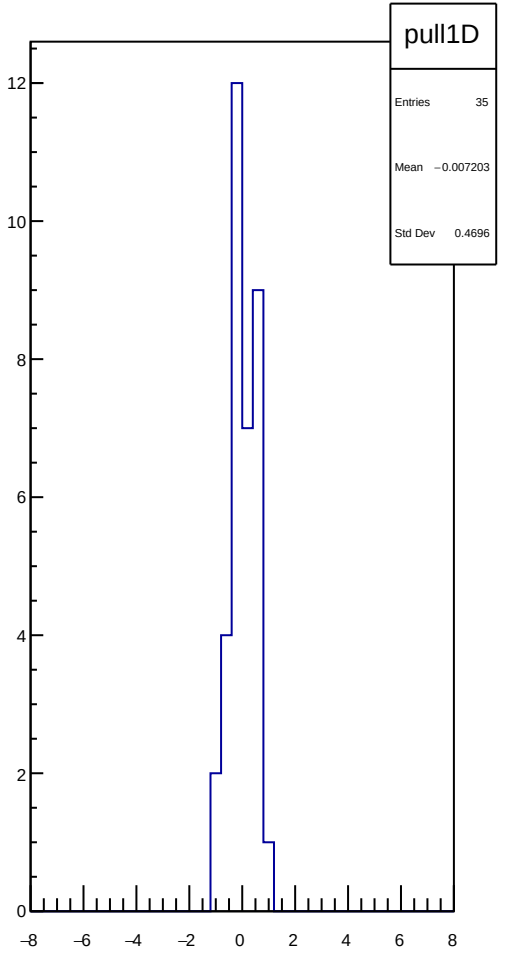

pull1D
Entries 35
Mean −0.004319
Std Dev 0.8475

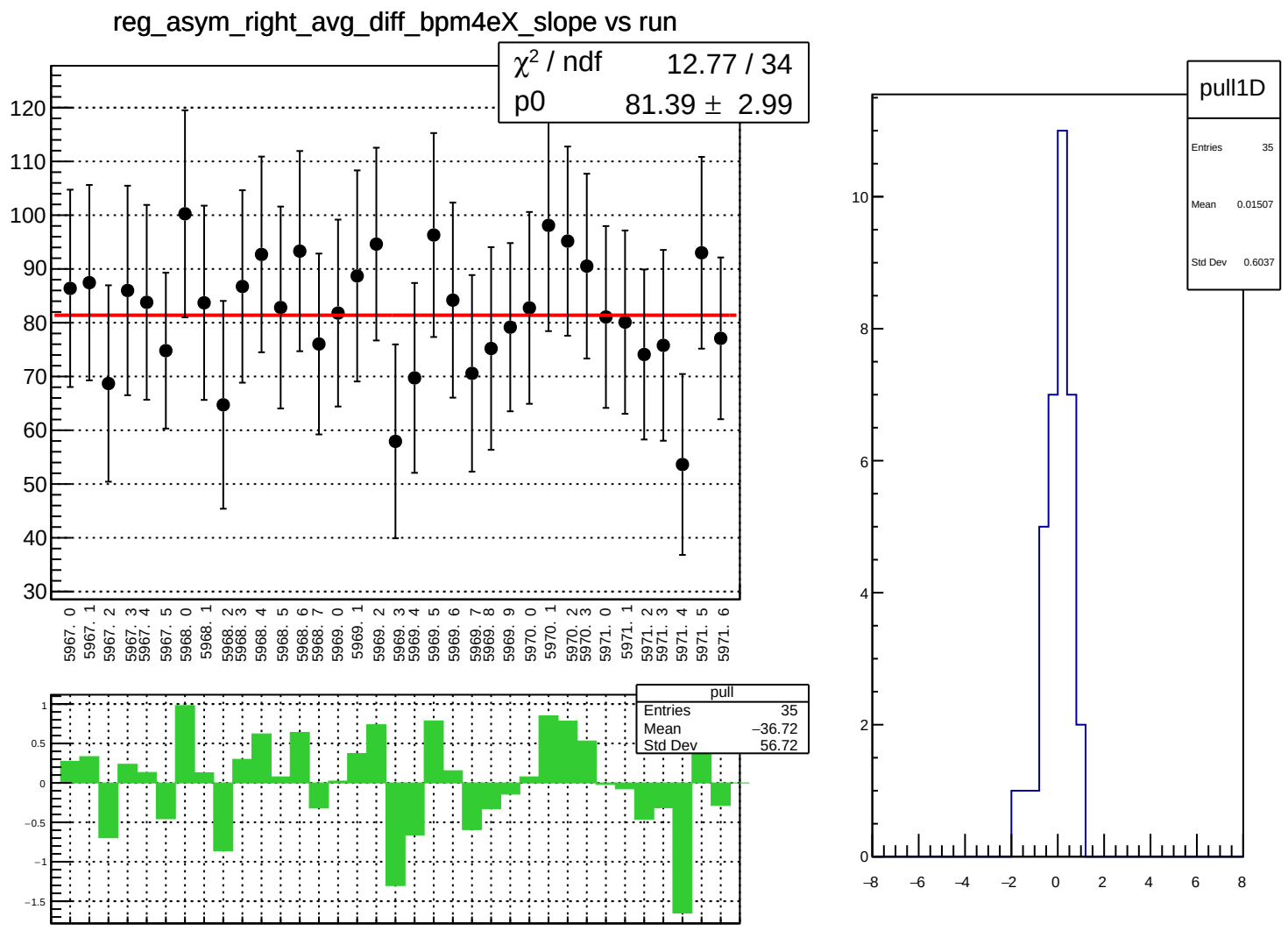

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 39.89 / 34
p0 −19.07 ± 0.07442
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 470.4
Std Dev 455
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.006191
Std Dev 1.068
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

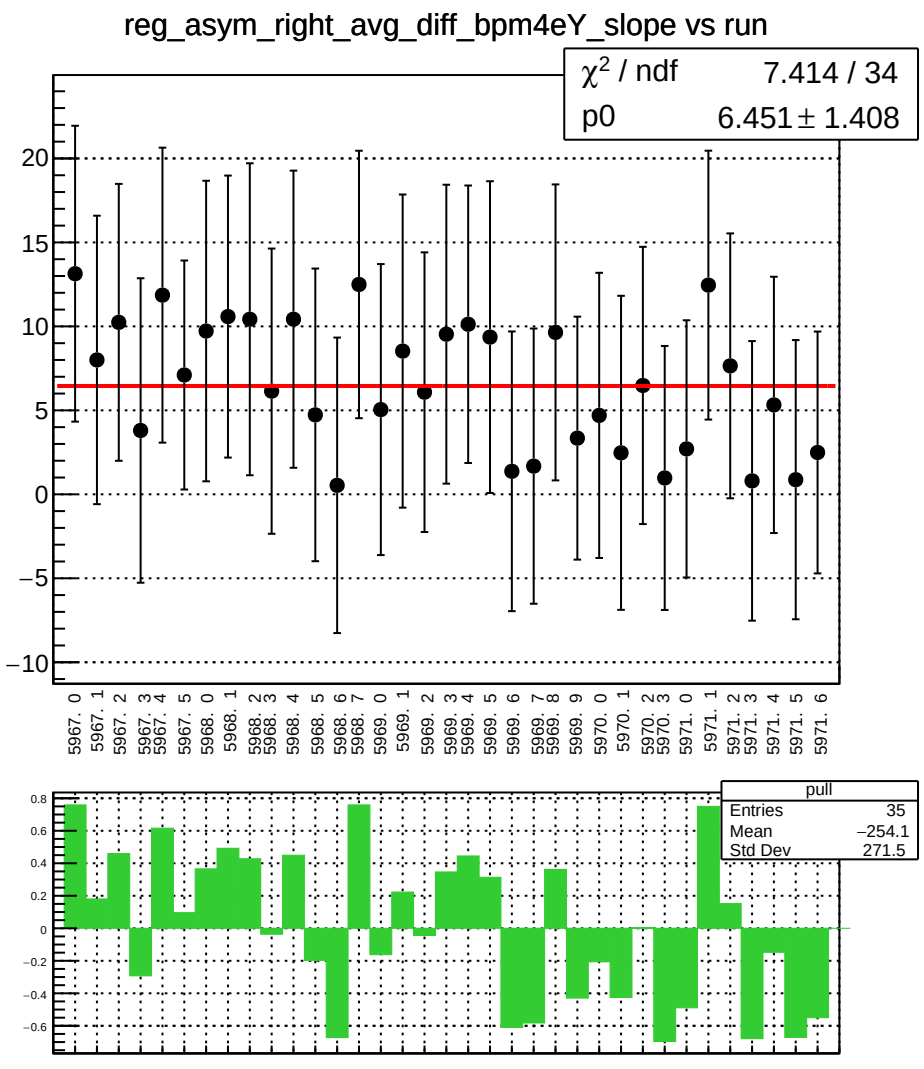

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.51 / 34
p0 −45.47 ± 2.81
0
−10
−20
−30
−40
−50
−60
−70
−80
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −36.86
Std Dev 57.07
1.5
1
0.5
0
−0.5
−1

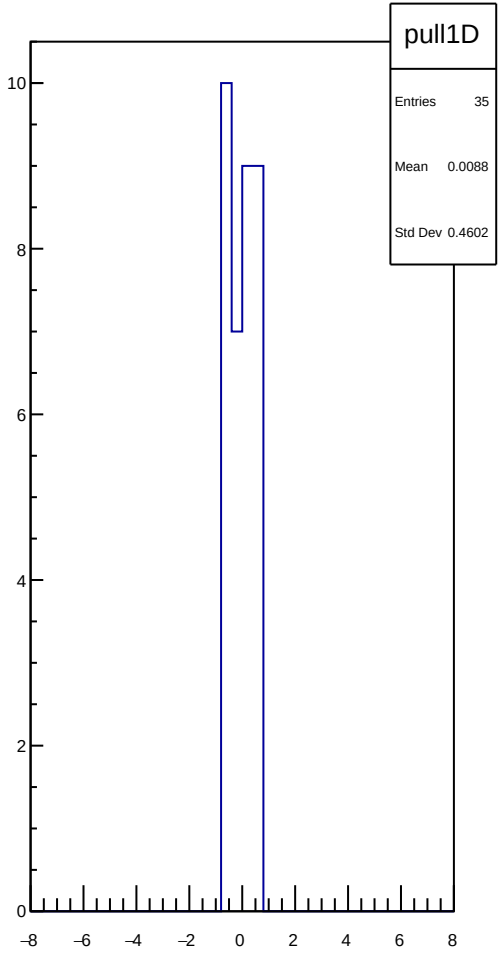

pull1D
Entries 35
Mean −0.01628
Std Dev 0.5976
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

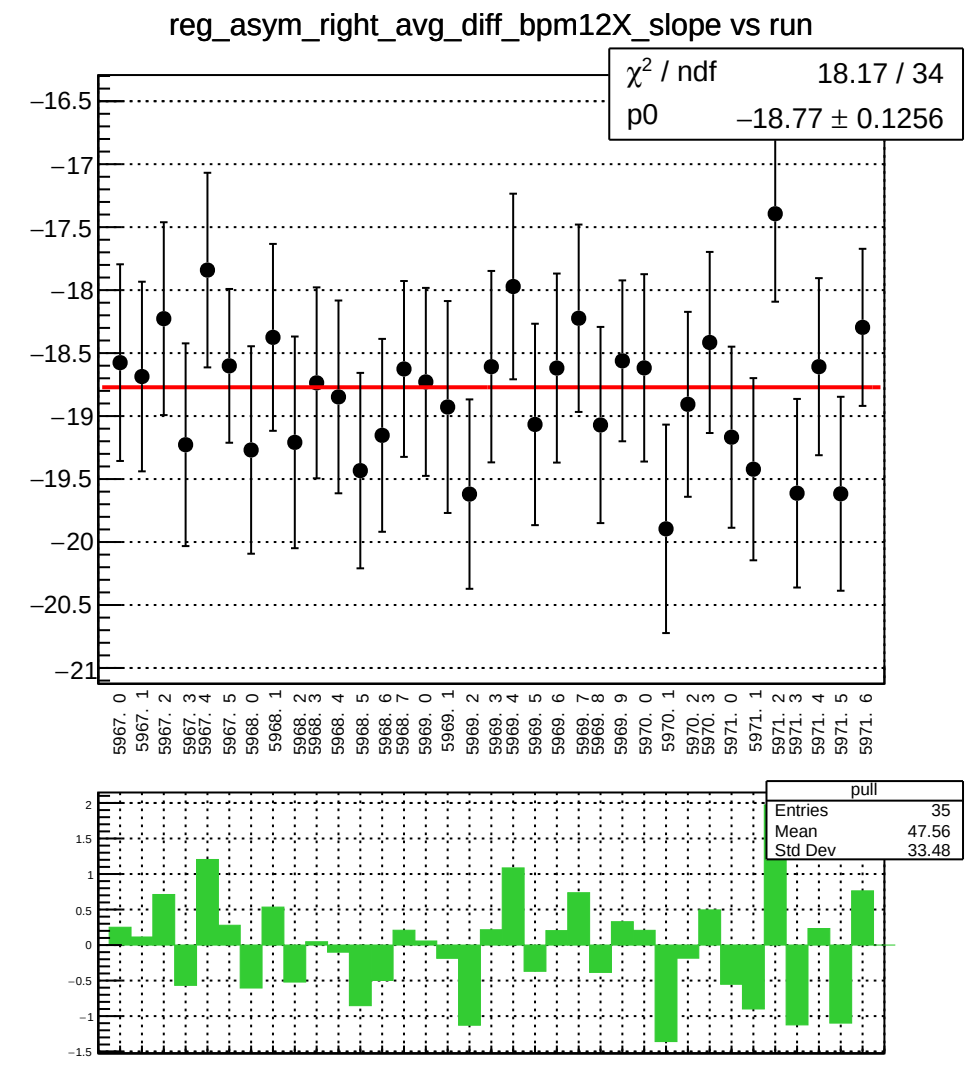

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.72 / 34
p0 1.548 ± 1.083
15
10
5
0
−5
−10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −309.8
Std Dev 326.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

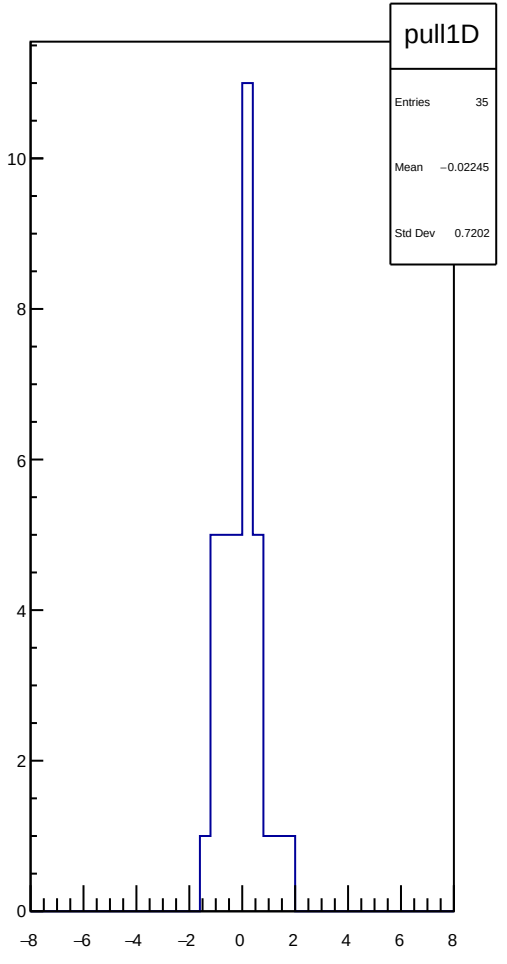

pull1D
Entries 35
Mean −0.007203
Std Dev 0.4696
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

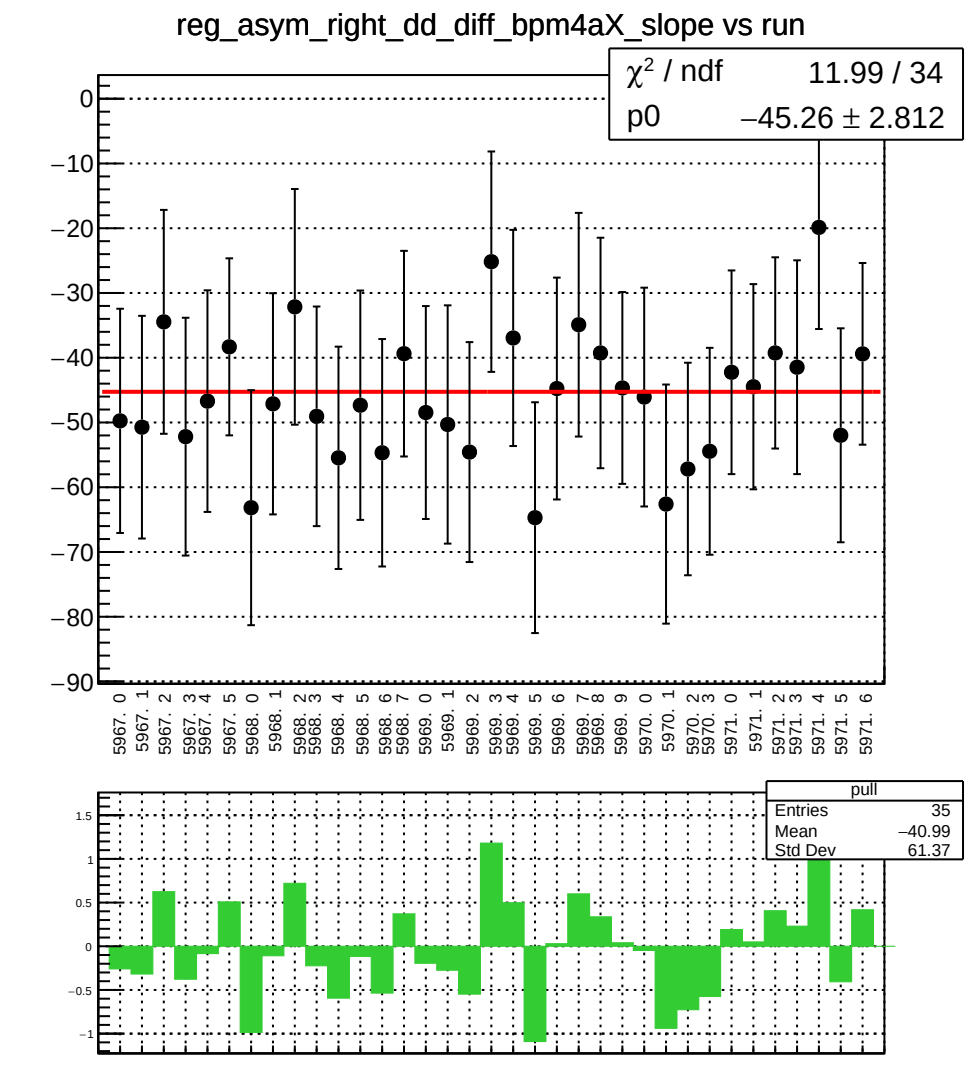

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.77 / 34
p0 81.39 ± 2.99
120
110
100
90
80
70
60
50
40
30
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −36.72
Std Dev 56.72
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.01507
Std Dev 0.6037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

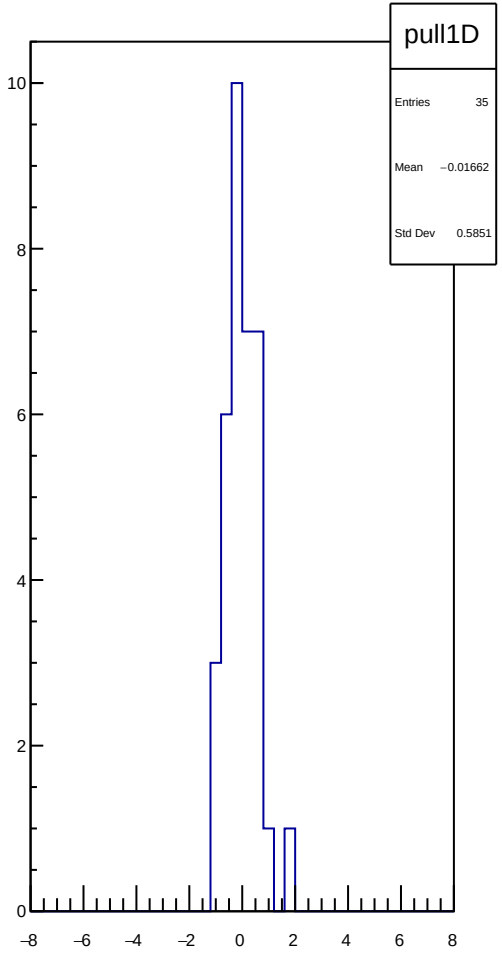

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.414 / 34
p0 6.451 ± 1.408
pull
Entries 35
Mean −254.1
Std Dev 271.5

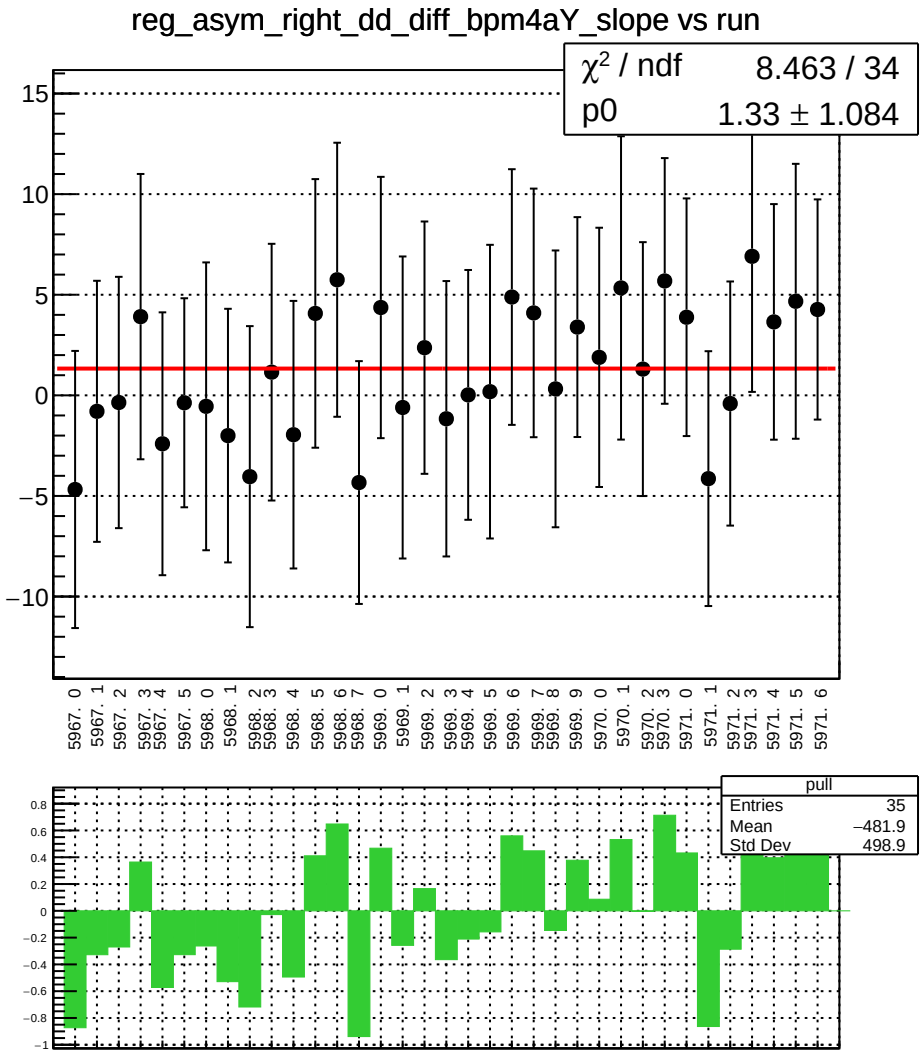

pull1D
Entries 35
Mean 0.0088
Std Dev 0.4602

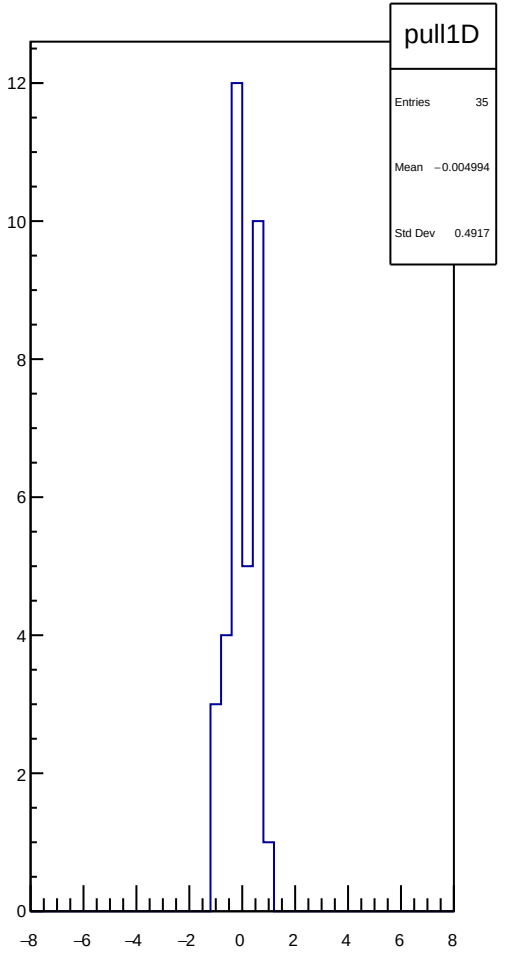

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 18.17 / 34
p0 −18.77 ± 0.1256
pull
Entries 35
Mean 47.56
Std Dev 33.48

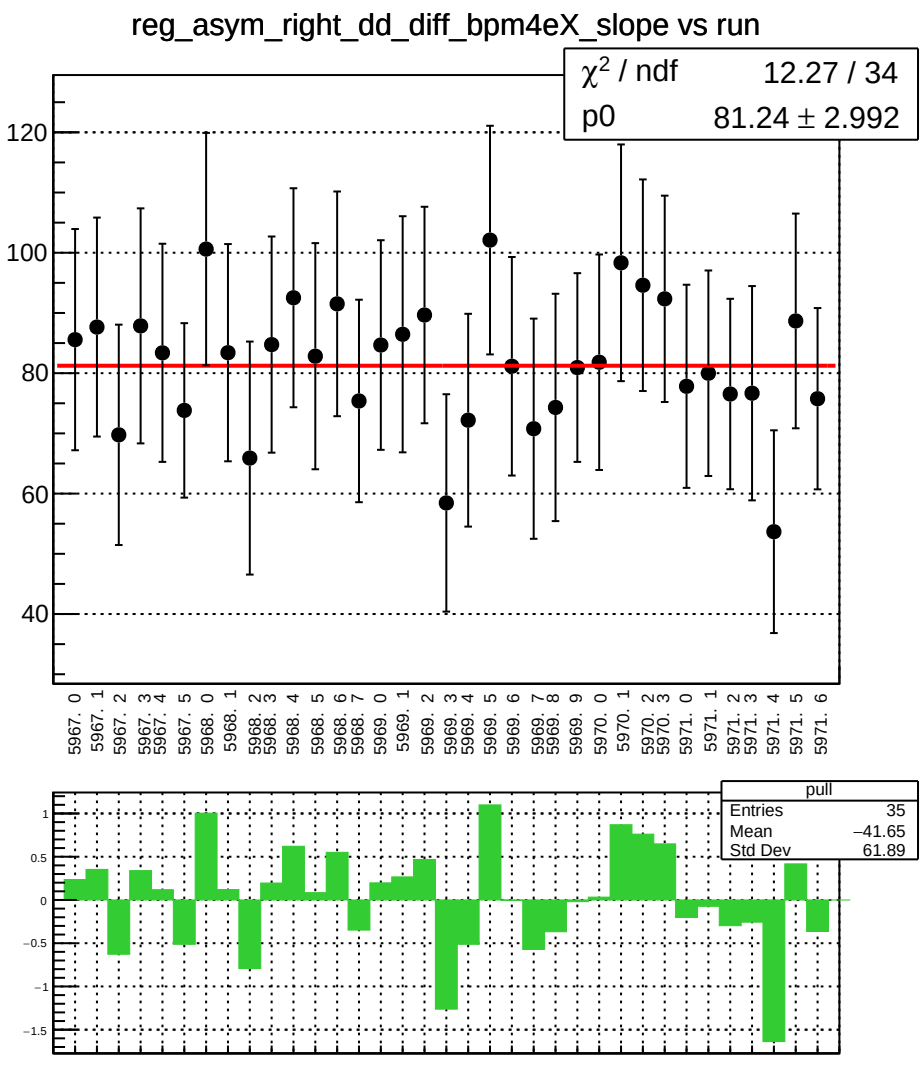

pull1D
Entries 35
Mean −0.02245
Std Dev 0.7202

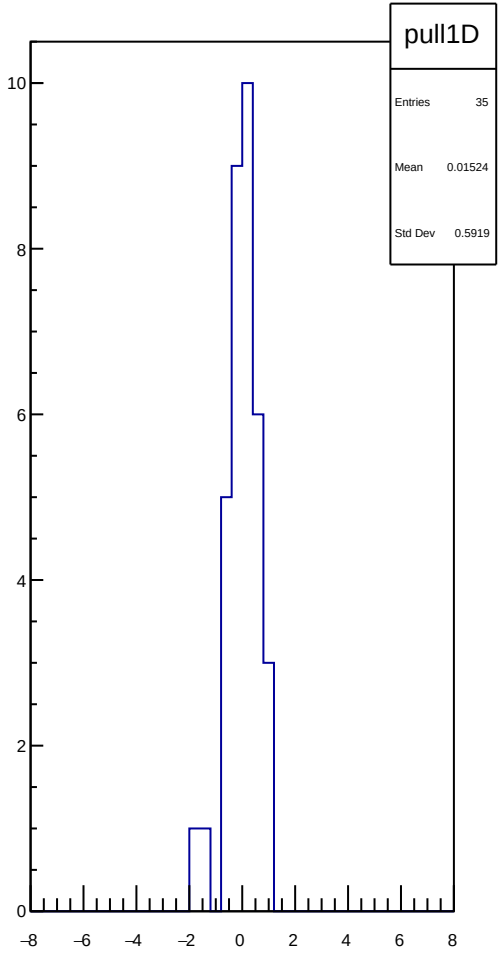

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.99 / 34
p0 −45.26 ± 2.812
pull
Entries 35
Mean −40.99
Std Dev 61.37

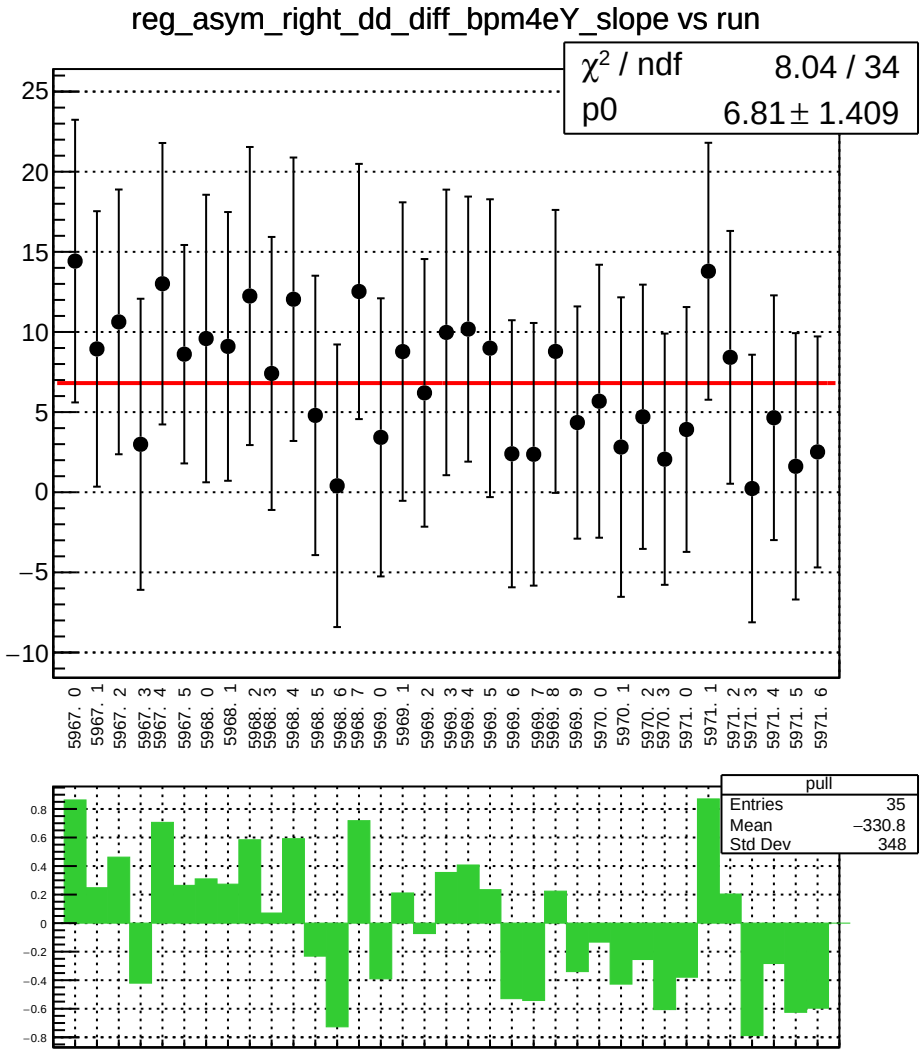

pull1D
Entries 35
Mean −0.01662
Std Dev 0.5851

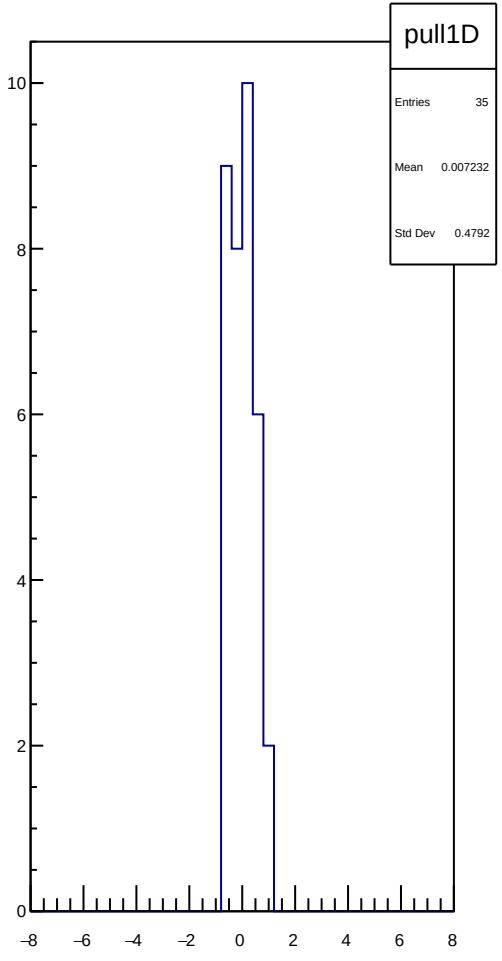

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.463 / 34
p0 1.33 ± 1.084
15
10
5
0
−5
−10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −481.9
Std Dev 498.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

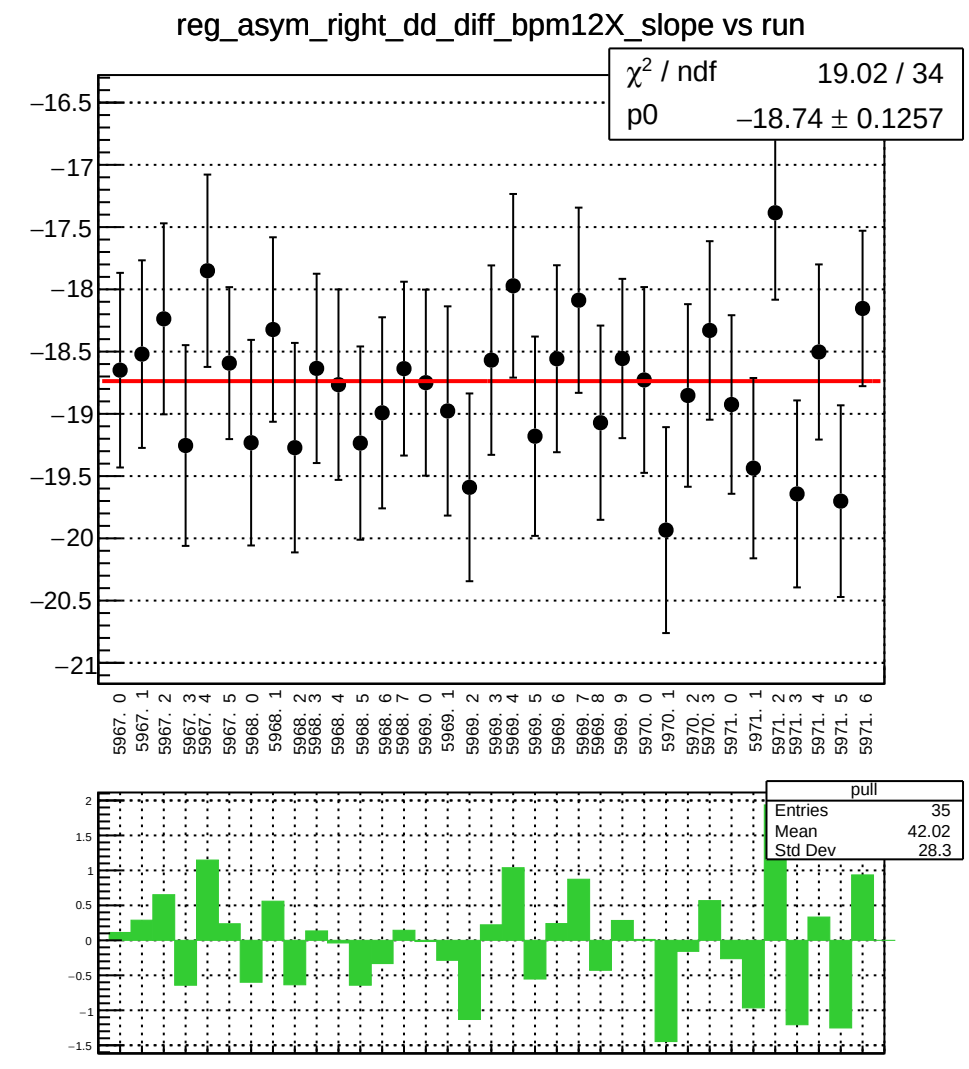

pull1D
Entries 35
Mean −0.004994
Std Dev 0.4917
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

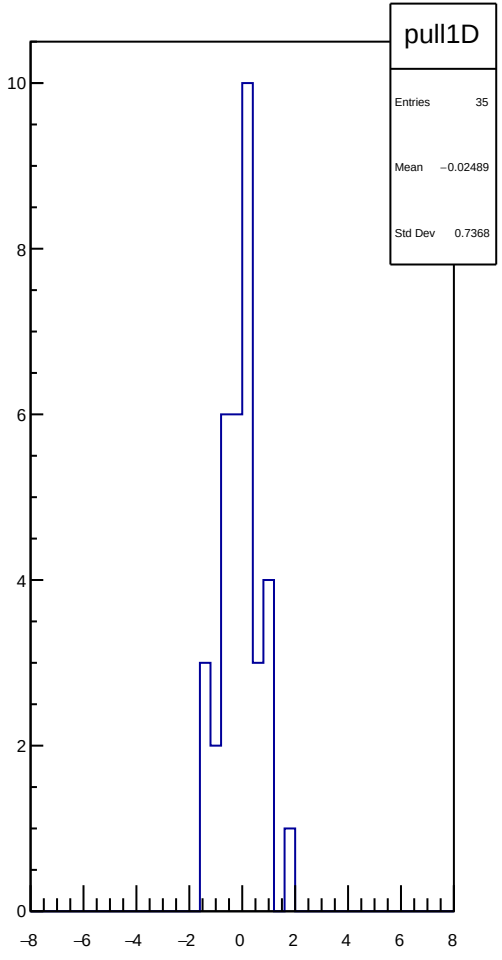

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.27 / 34
p0 81.24 ± 2.992
120
100
80
60
40
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −41.65
Std Dev 61.89
1
0.5
0
−0.5
−1
−1.5

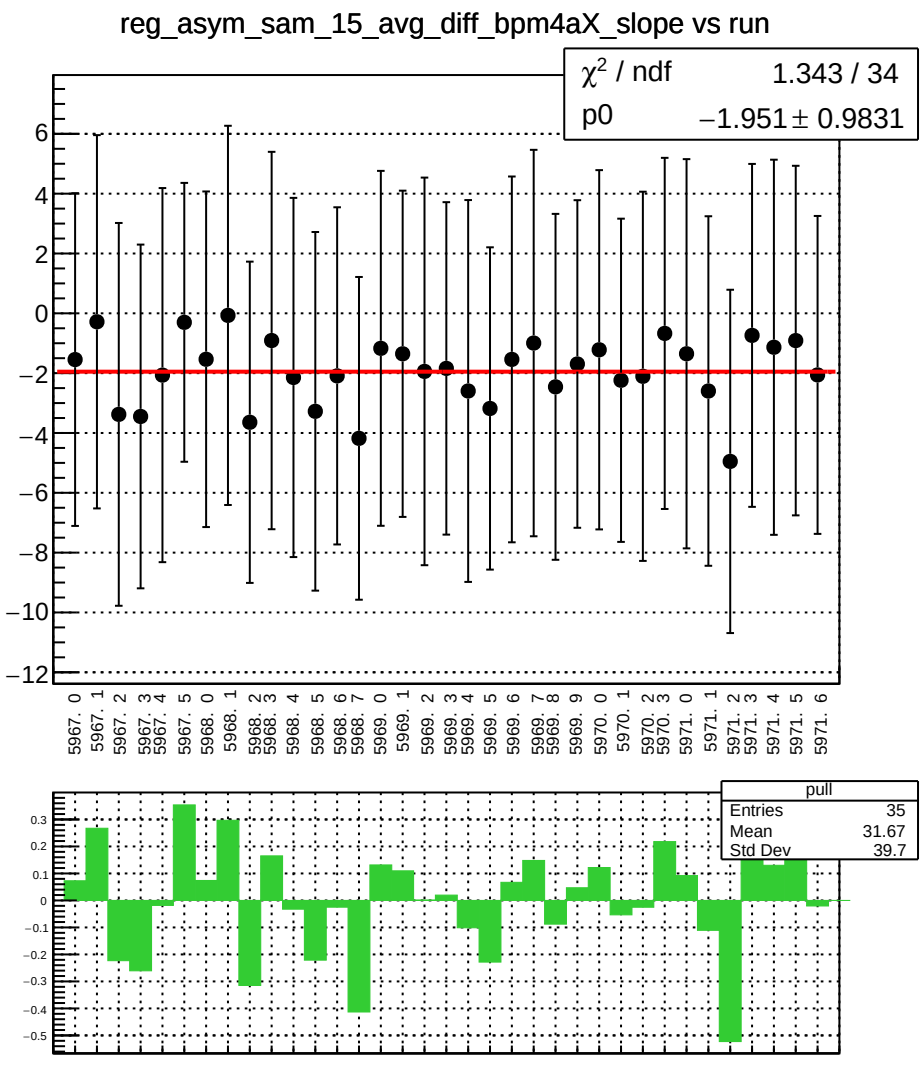

pull1D
Entries 35
Mean 0.01524
Std Dev 0.5919
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

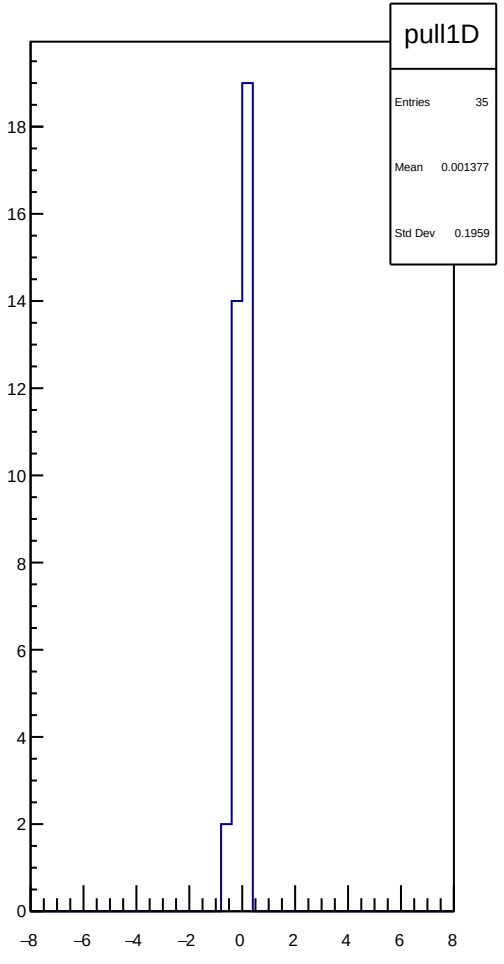

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.04 / 34
p0 6.81 ± 1.409
pull
Entries 35
Mean −330.8
Std Dev 348

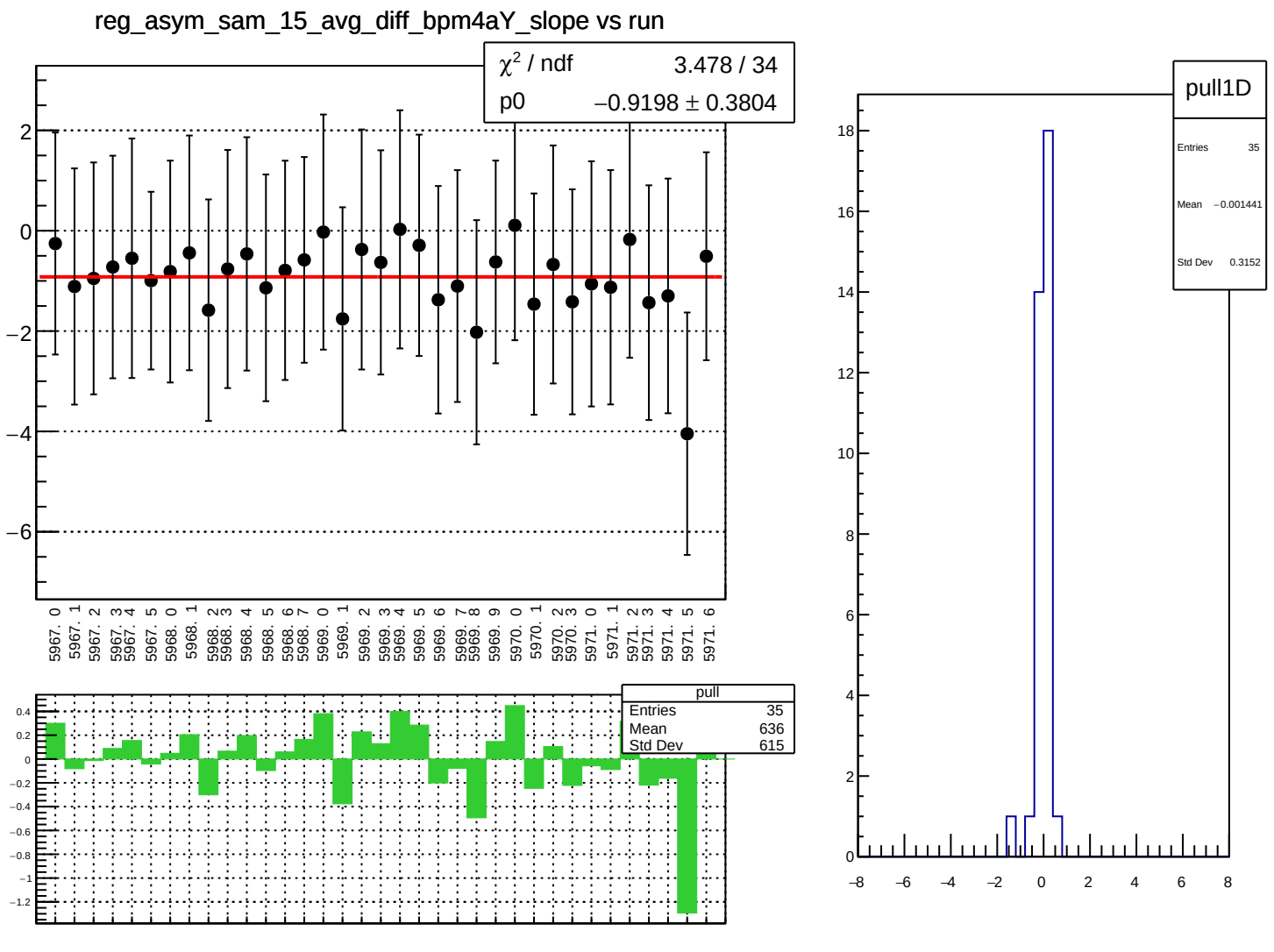

pull1D
Entries 35
Mean 0.007232
Std Dev 0.4792

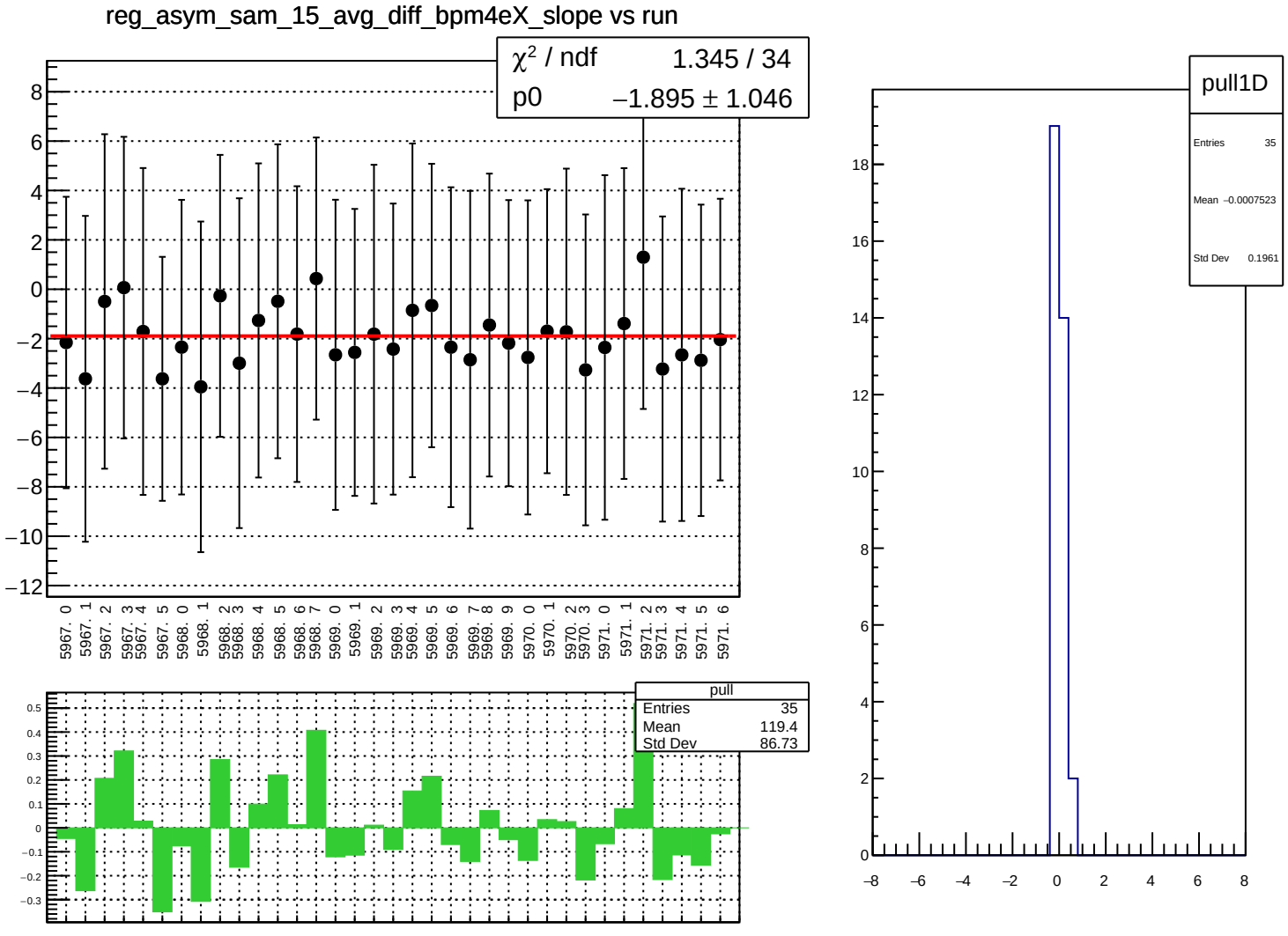

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 19.02 / 34
p0 −18.74 ± 0.1257
pull
Entries 35
Mean 42.02
Std Dev 28.3

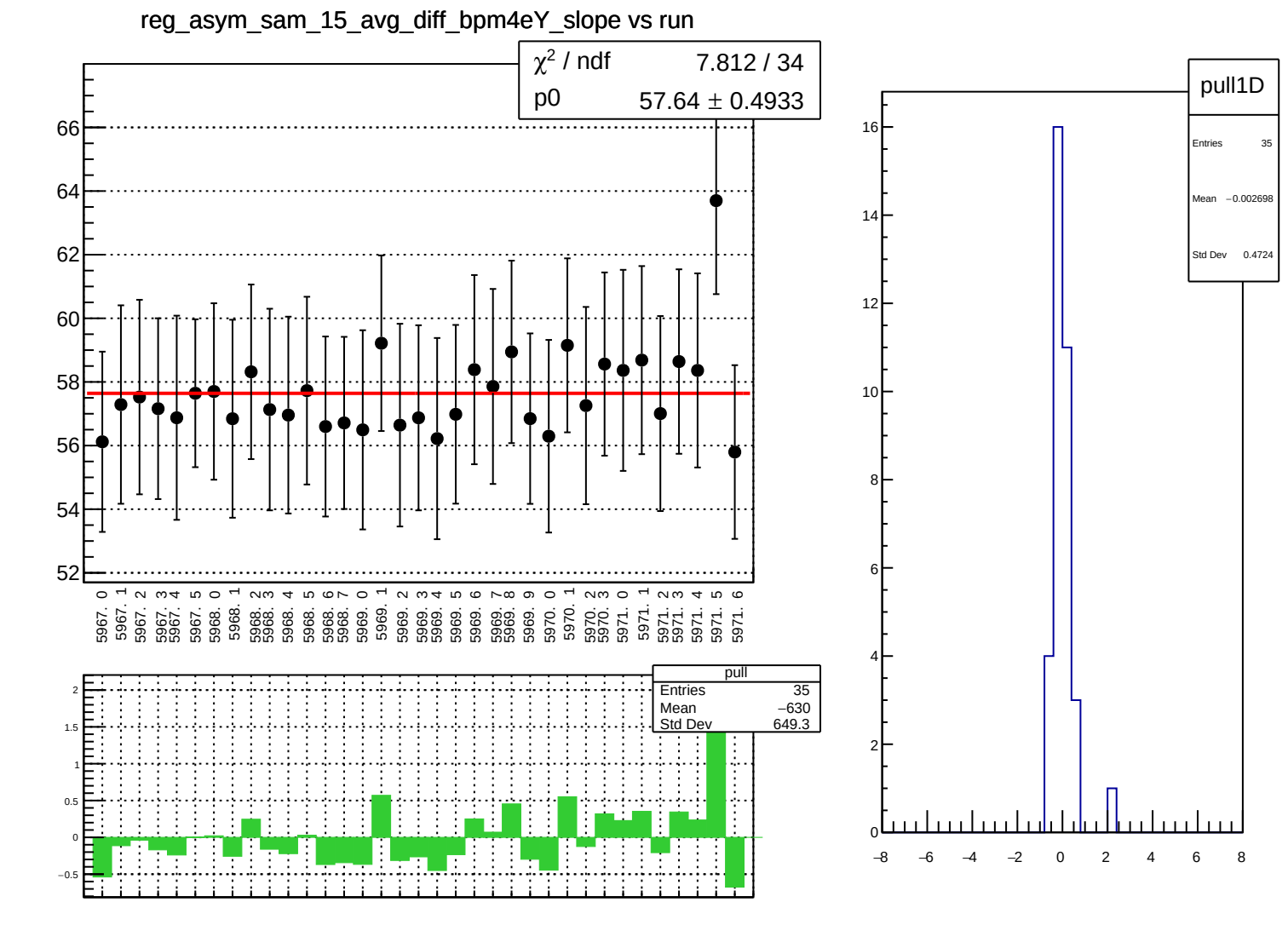

pull1D
Entries 35
Mean −0.02489
Std Dev 0.7368

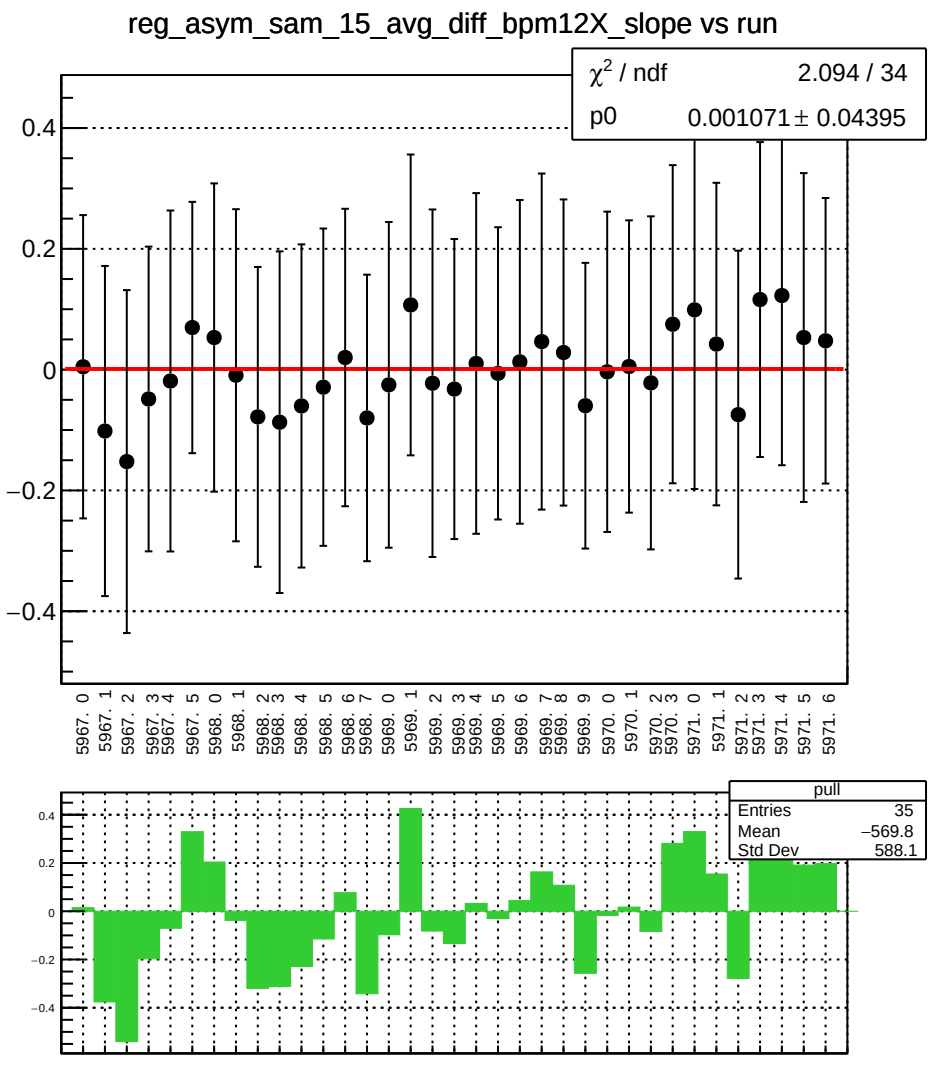

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.343 / 34
p0 −1.951 ± 0.9831
pull
Entries 35
Mean 31.67
Std Dev 39.7

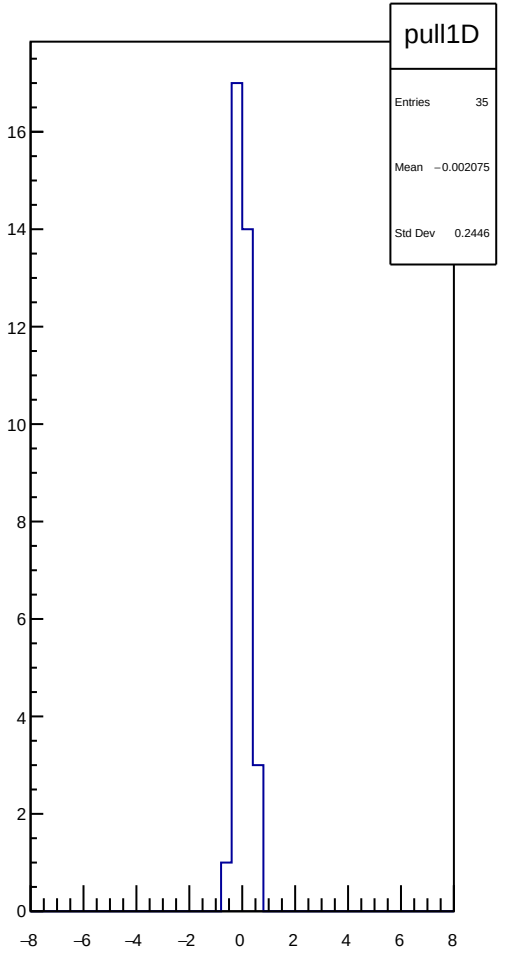

pull1D
Entries 35
Mean 0.001377
Std Dev 0.1959

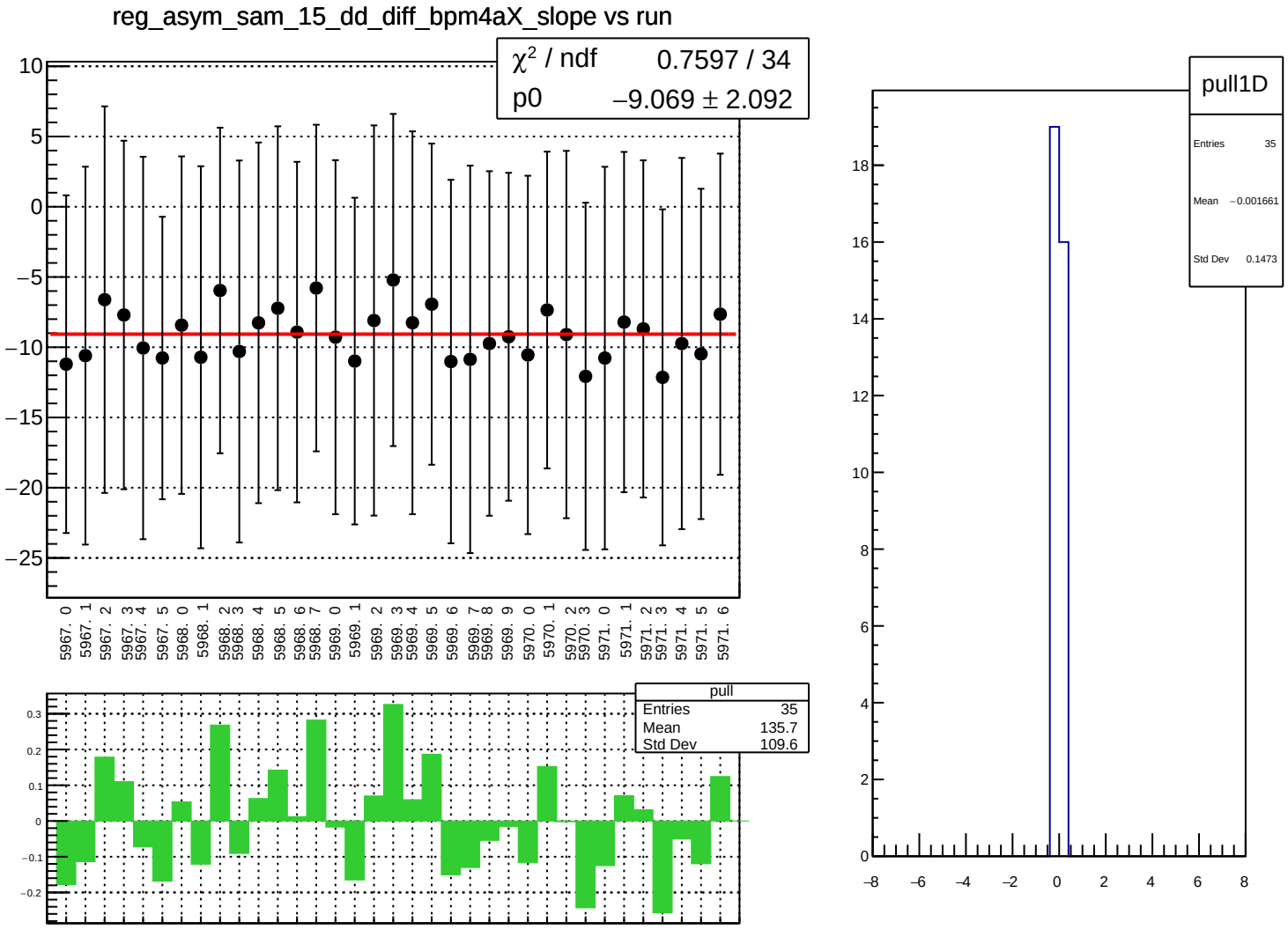

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.478 / 34
p0 −0.9198 ± 0.3804
pull
Entries 35
Mean 636
Std Dev 615
pull1D
Entries 35
Mean −0.001441
Std Dev 0.3152

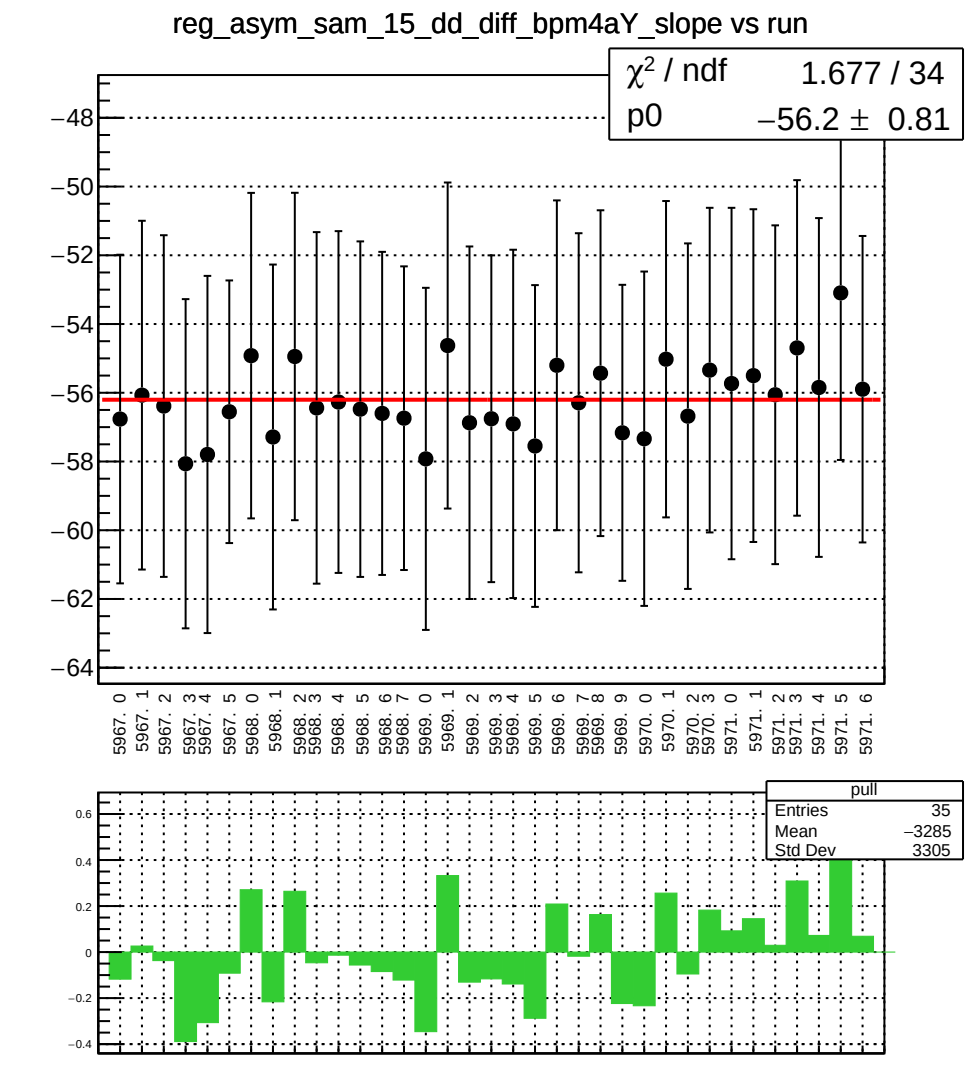

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.345 / 34
p0 −1.895 ± 1.046
pull
Entries 35
Mean 119.4
Std Dev 86.73
pull1D
Entries 35
Mean −0.0007523
Std Dev 0.1961

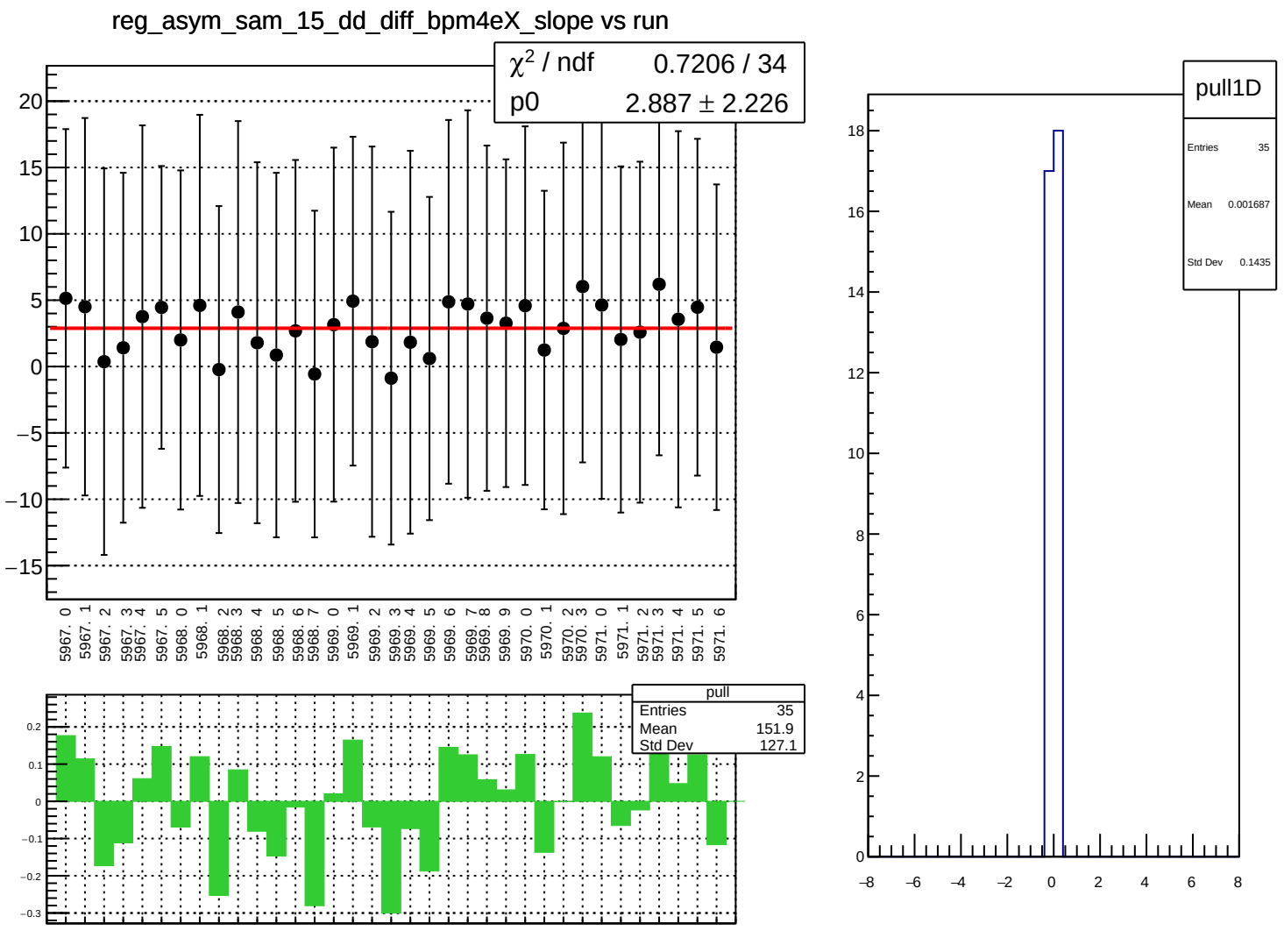

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.812 / 34
p0 57.64 ± 0.4933
pull
Entries 35
Mean −630
Std Dev 649.3
pull1D
Entries 35
Mean −0.002698
Std Dev 0.4724

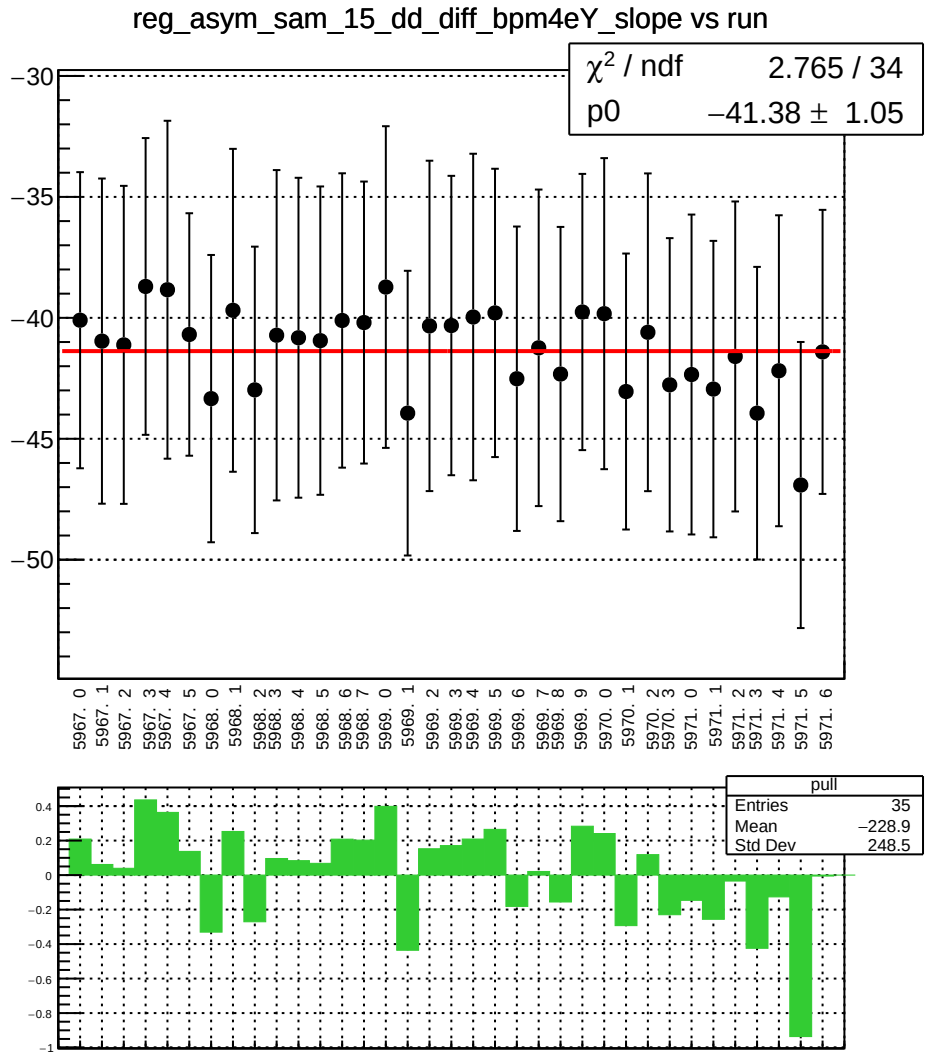

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 2.094 / 34
p0 0.001071 ± 0.04395
0.4
0.2
0
−0.2
−0.4
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −569.8
Std Dev 588.1
0.4
0.2
0
−0.2
−0.4

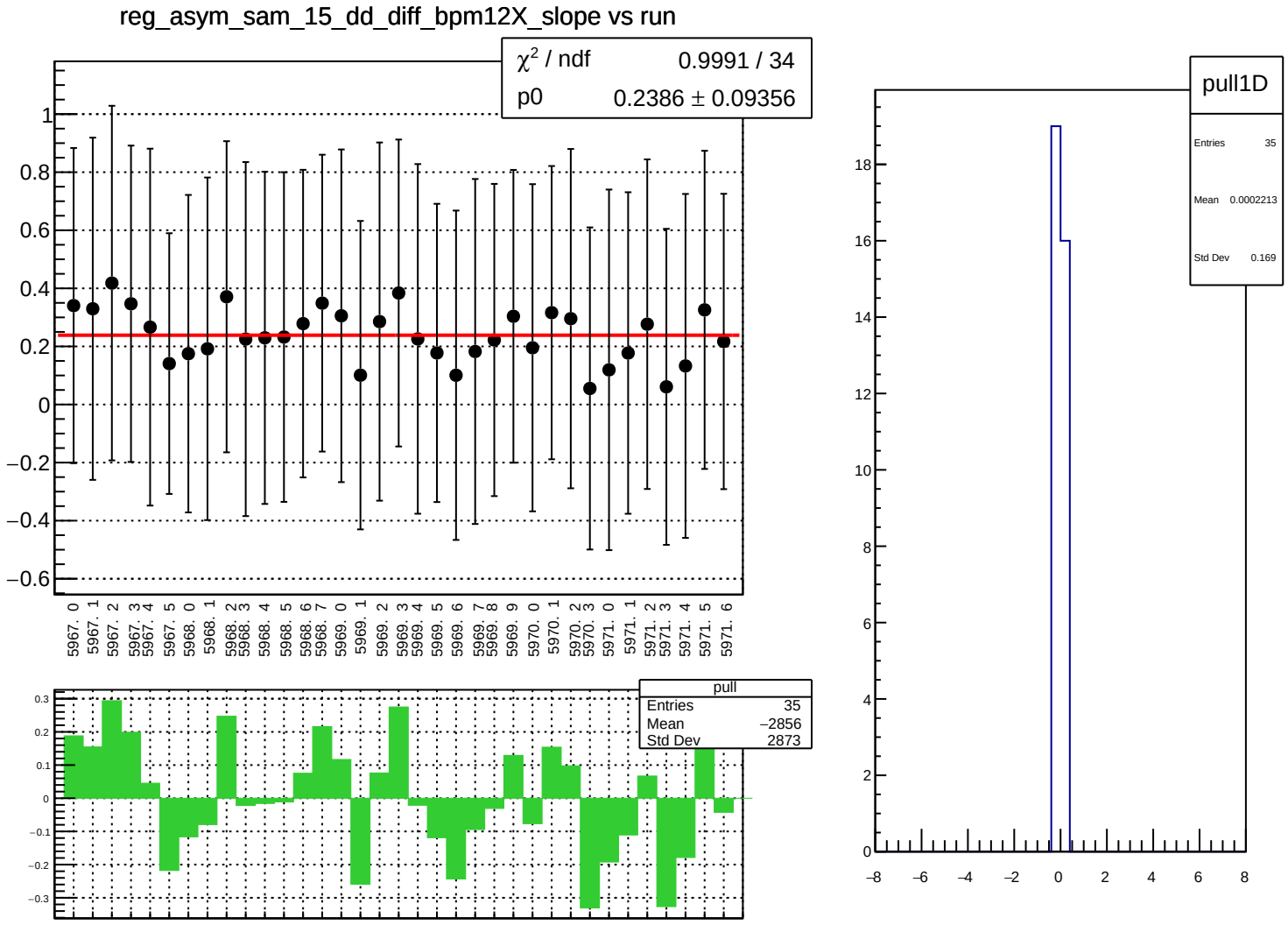

pull1D
Entries 35
Mean −0.002075
Std Dev 0.2446
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

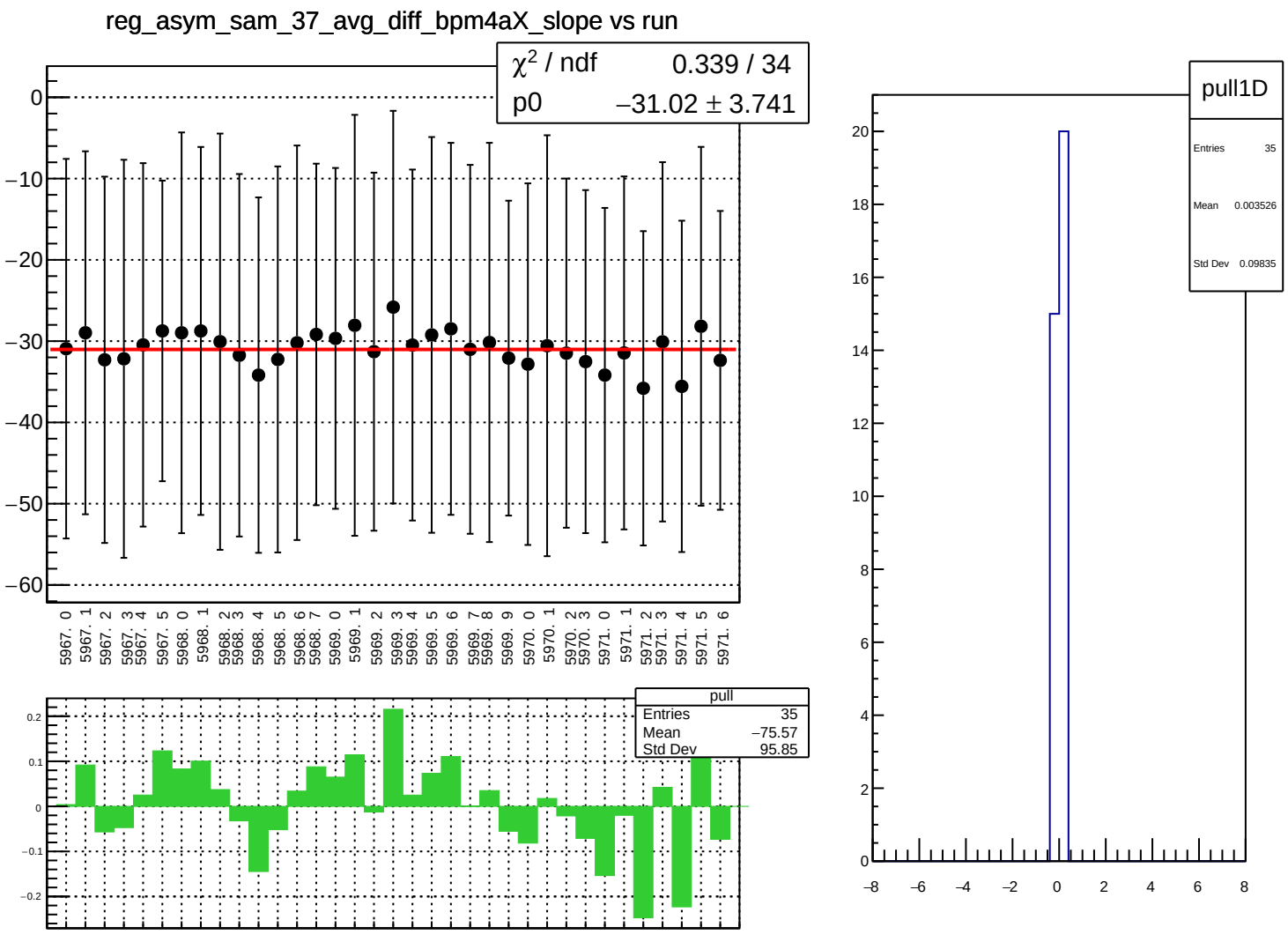

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.7597 / 34
p0 −9.069 ± 2.092
10
5
0
−5
−10
−15
−20
−25
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 135.7
Std Dev 109.6
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 35
Mean −0.001661
Std Dev 0.1473
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

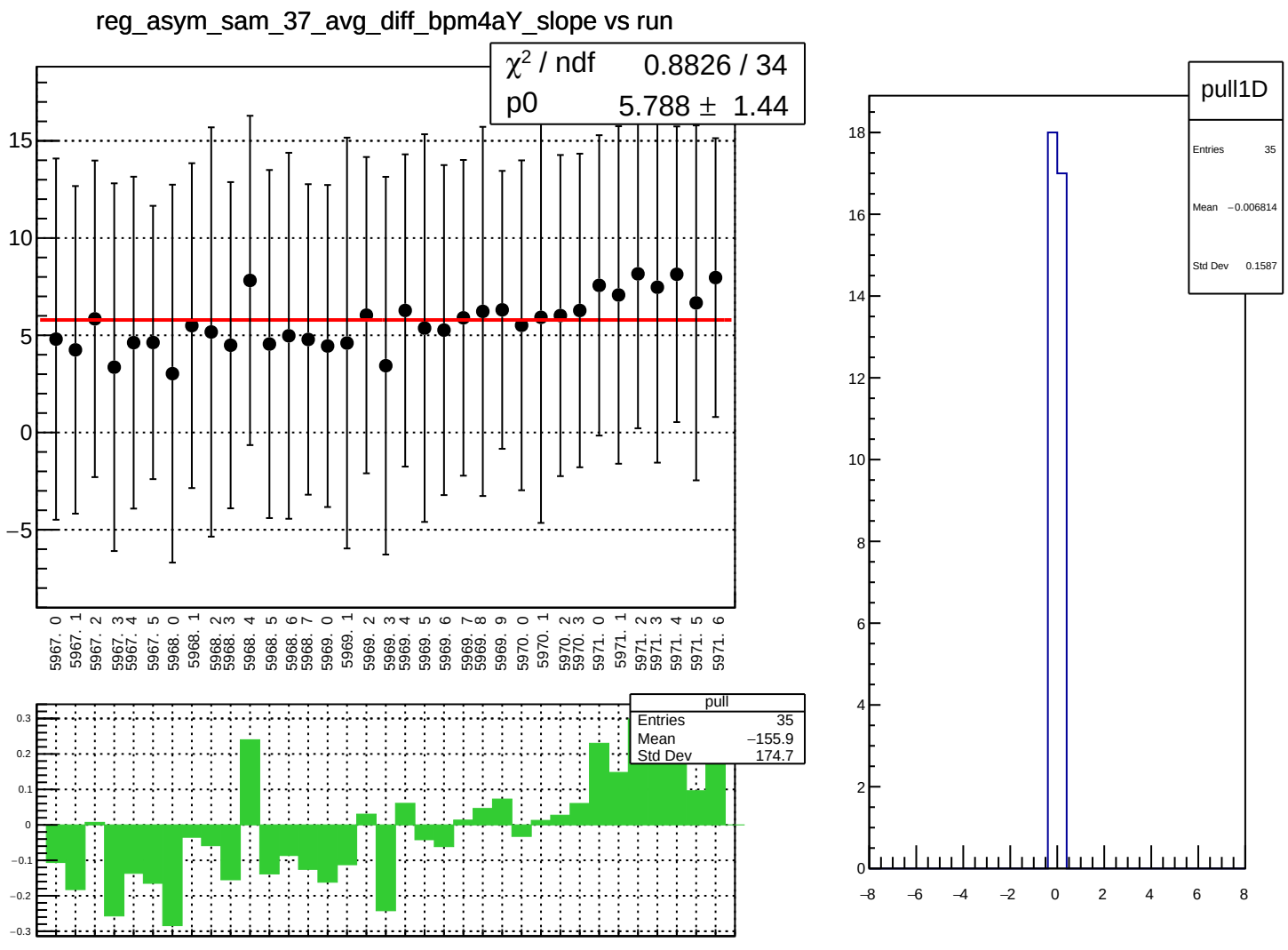

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.677 / 34
p0 −56.2 ± 0.81
−48
−50
−52
−54
−56
−58
−60
−62
−64
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −3285
Std Dev 3305
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean −0.0002797
Std Dev 0.2189
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

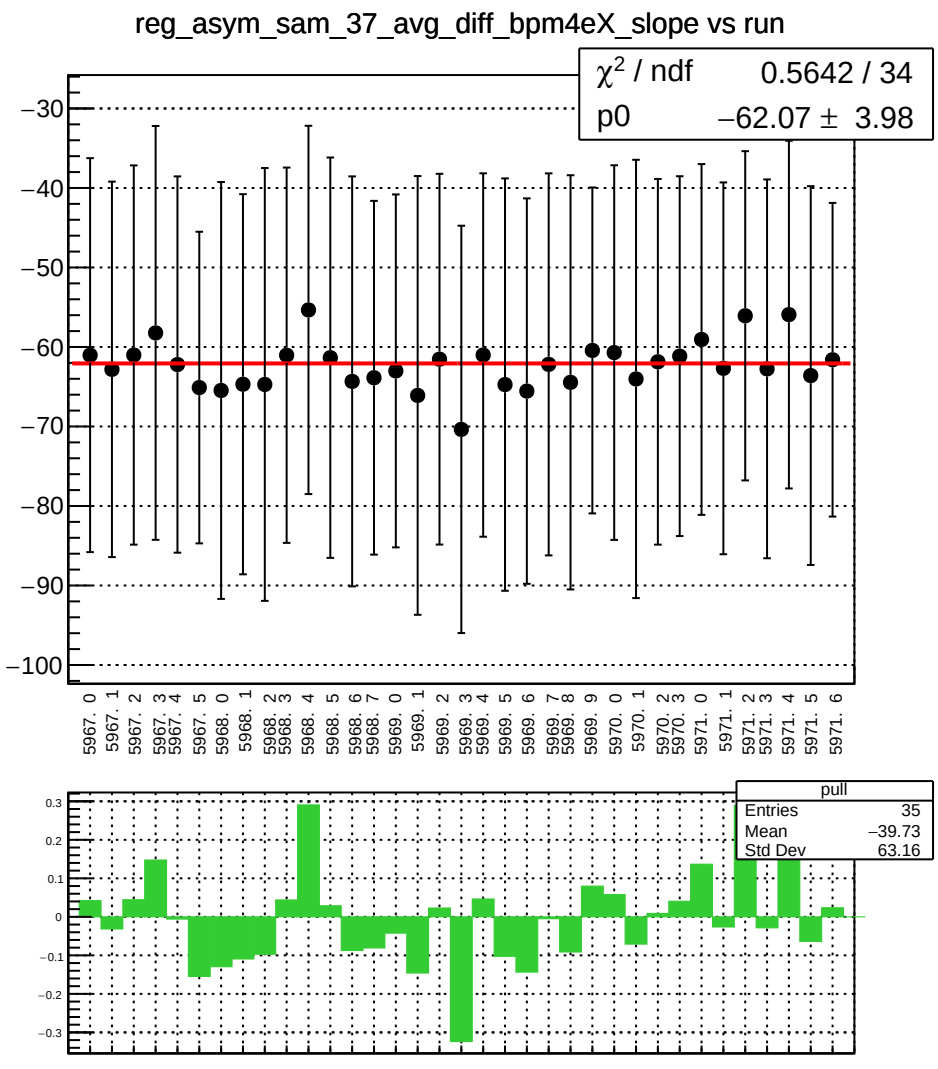

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7206 / 34
p0 2.887 ± 2.226
pull
Entries 35
Mean 151.9
Std Dev 127.1
pull1D
Entries 35
Mean 0.001687
Std Dev 0.1435

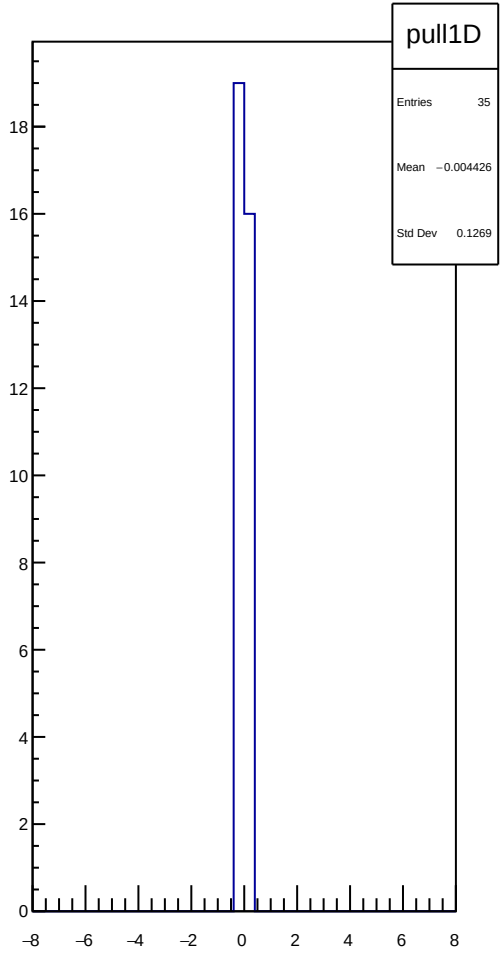

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.765 / 34
p0 −41.38 ± 1.05
−30
−35
−40
−45
−50
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −228.9
Std Dev 248.5
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 35
Mean 0.005433
Std Dev 0.281
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

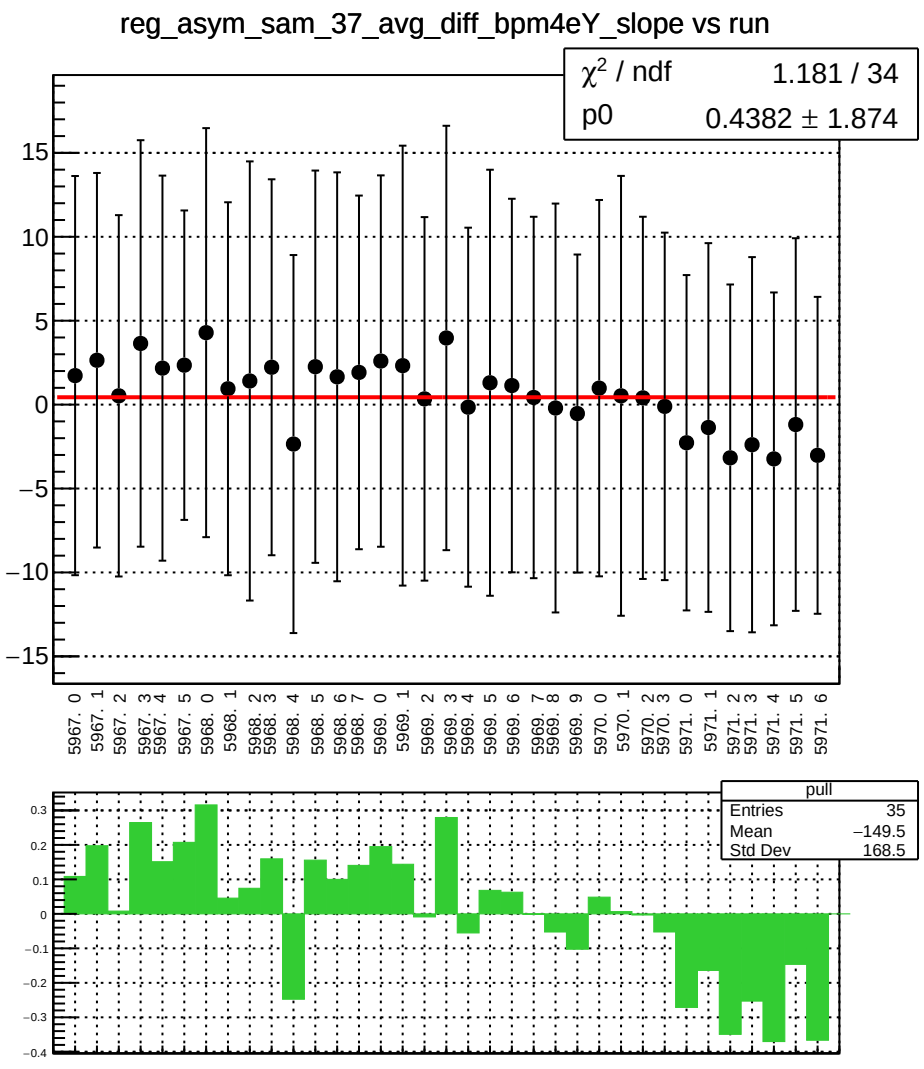

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9991 / 34
p0 0.2386 ± 0.09356
pull
Entries 35
Mean −2856
Std Dev 2873
pull1D
Entries 35
Mean 0.0002213
Std Dev 0.169

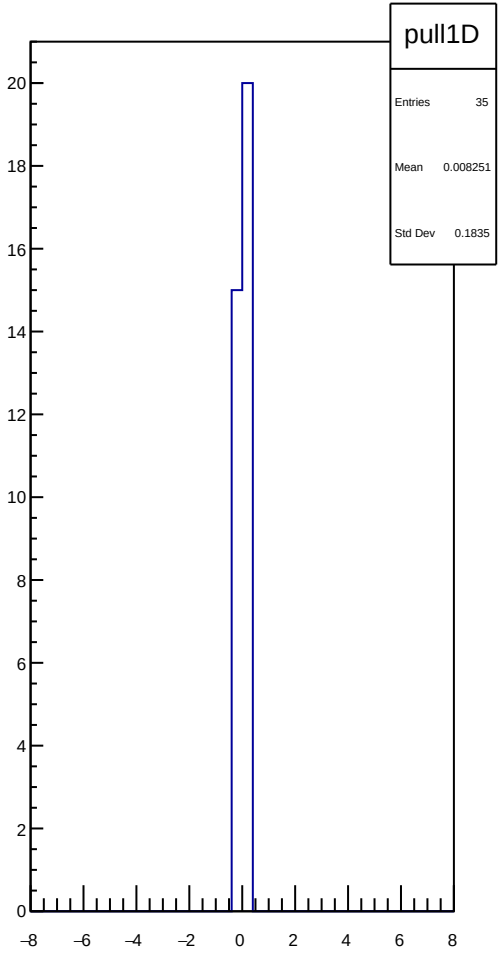

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.339 / 34
p0 −31.02 ± 3.741
pull
Entries 35
Mean −75.57
Std Dev 95.85
pull1D
Entries 35
Mean 0.003526
Std Dev 0.09835

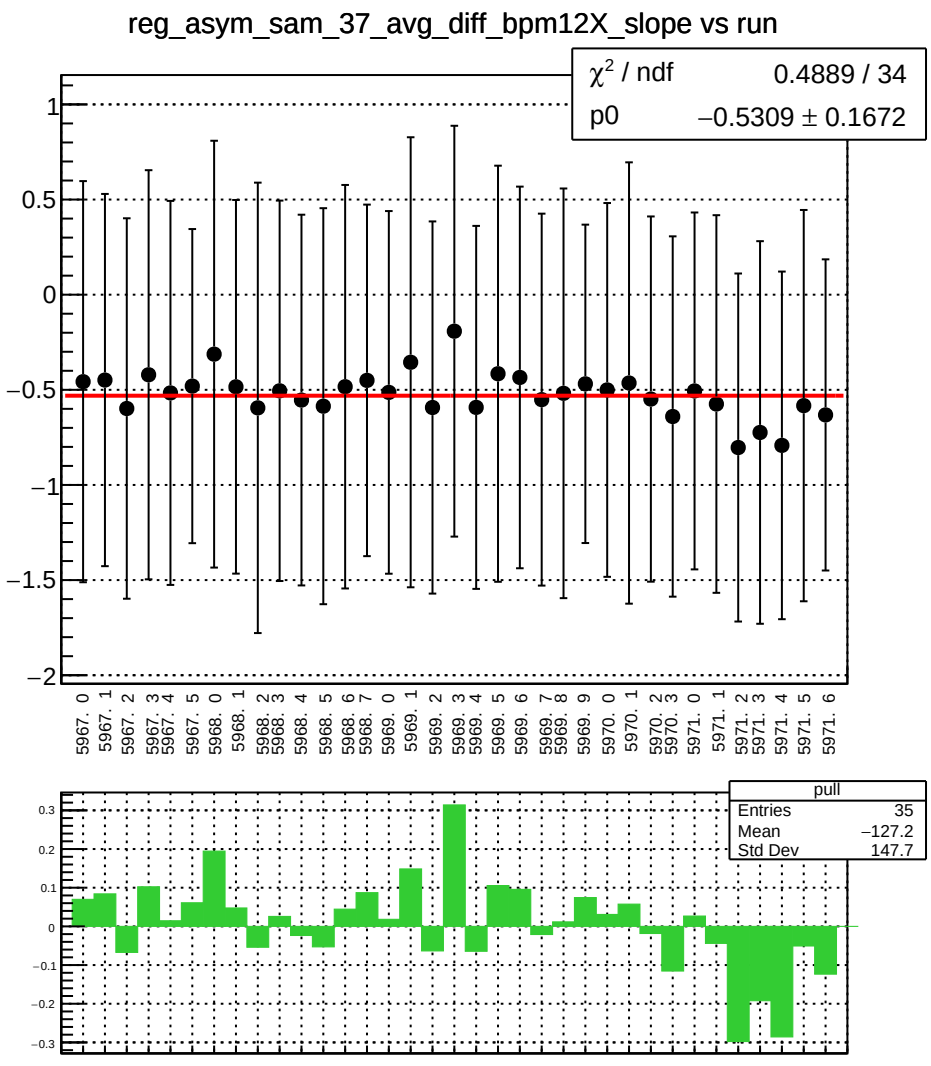

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.8826 / 34
p0 5.788 ± 1.44
15
10
5
0
−5
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −155.9
Std Dev 174.7
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 35
Mean −0.006814
Std Dev 0.1587
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

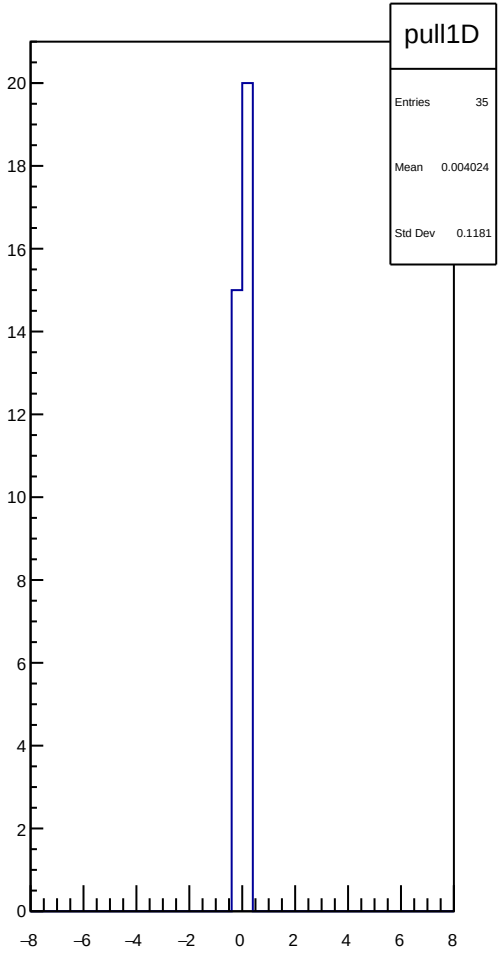

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.5642 / 34
p0 −62.07 ± 3.98
pull
Entries 35
Mean −39.73
Std Dev 63.16

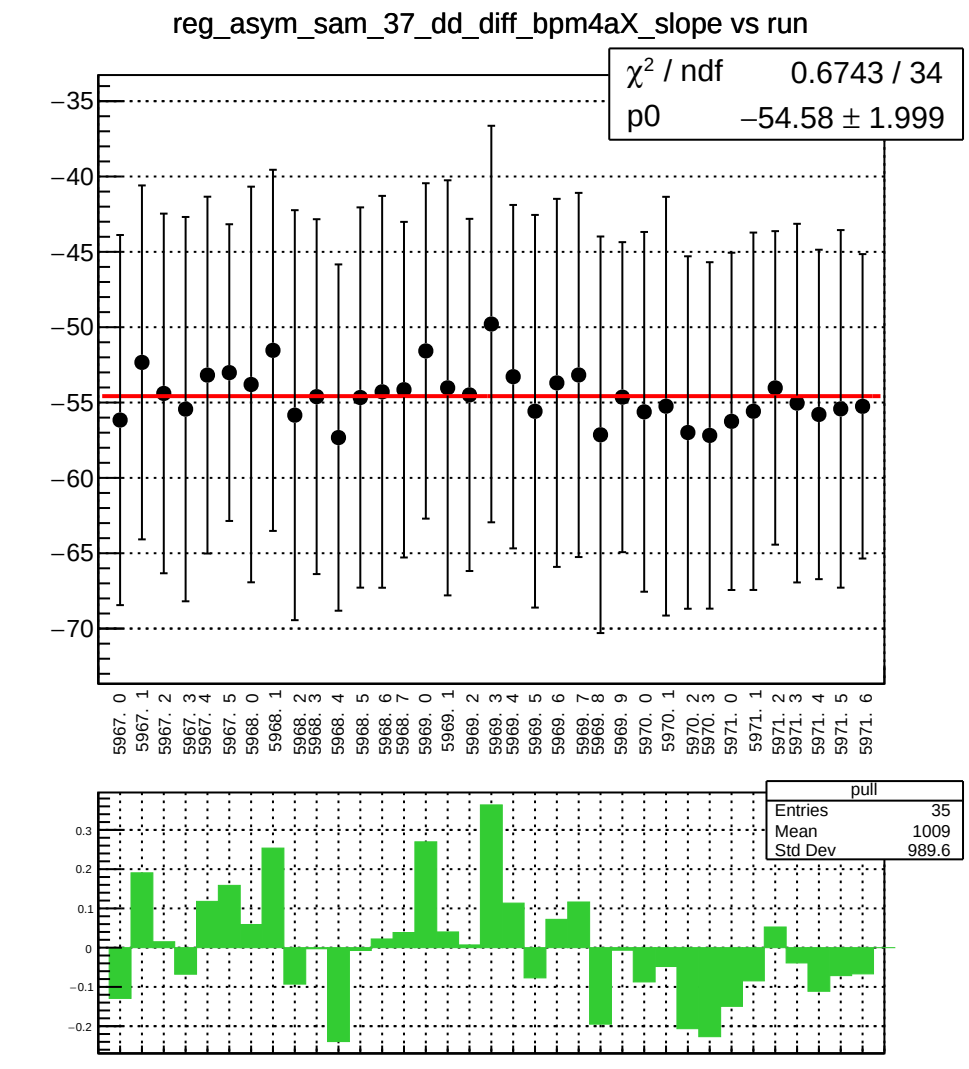

pull1D
Entries 35
Mean −0.004426
Std Dev 0.1269

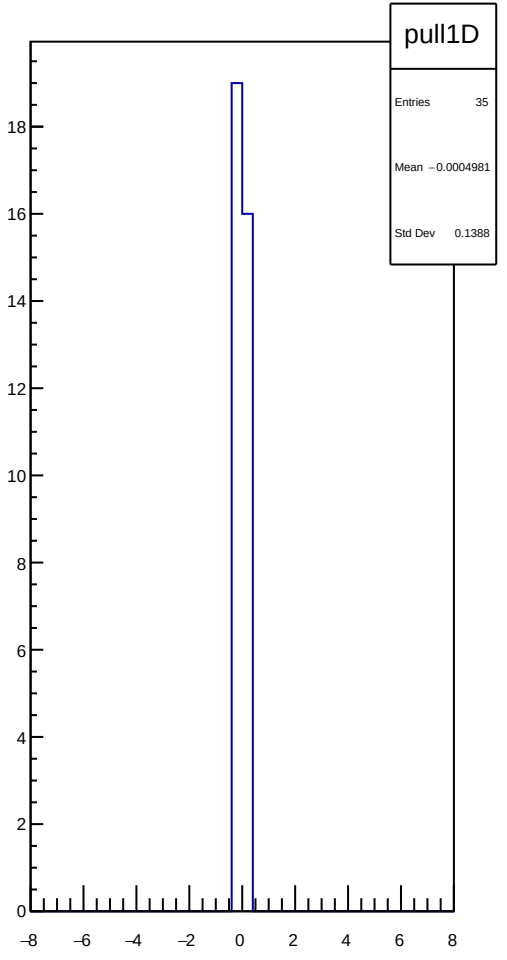

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.181 / 34
p0 0.4382 ± 1.874
pull
Entries 35
Mean −149.5
Std Dev 168.5

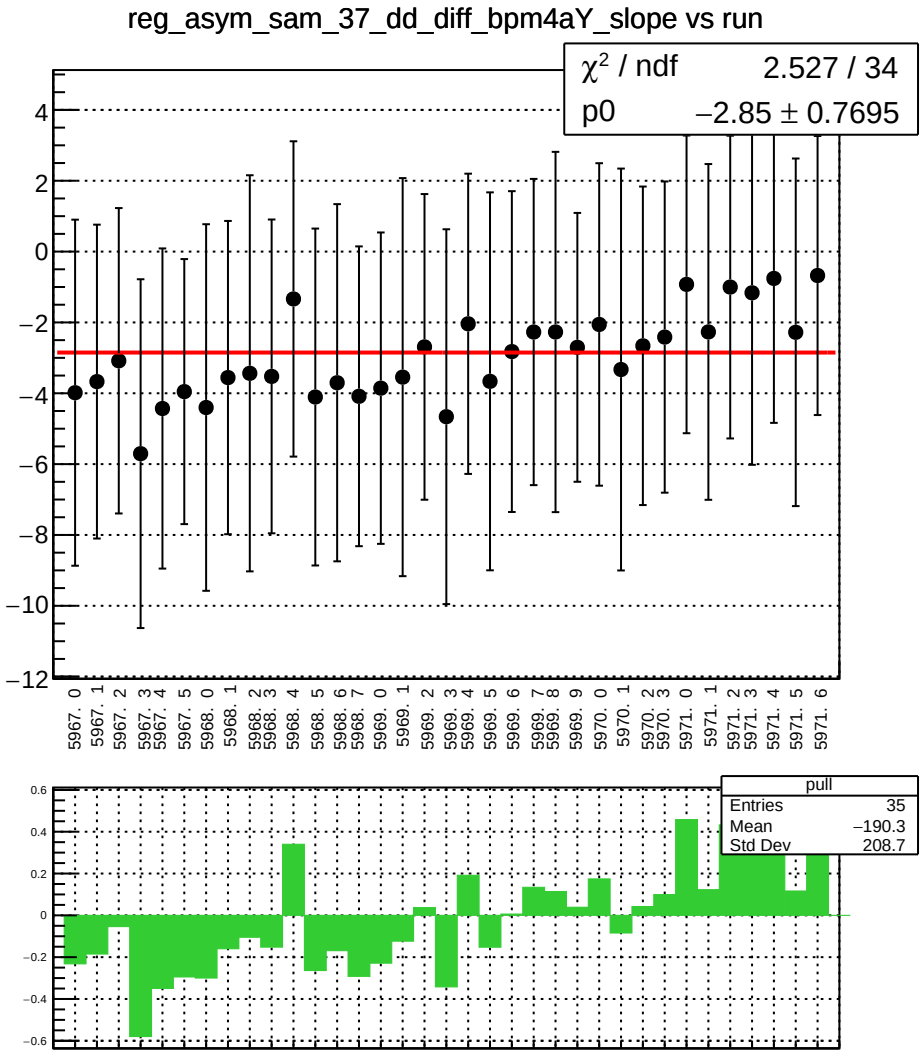

pull1D
Entries 35
Mean 0.008251
Std Dev 0.1835

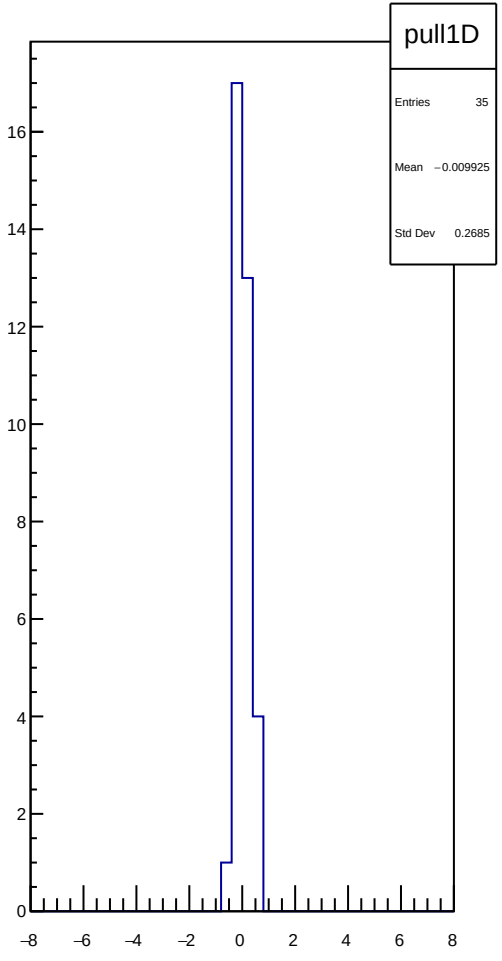

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 0.4889 / 34
p0 −0.5309 ± 0.1672
pull
Entries 35
Mean −127.2
Std Dev 147.7

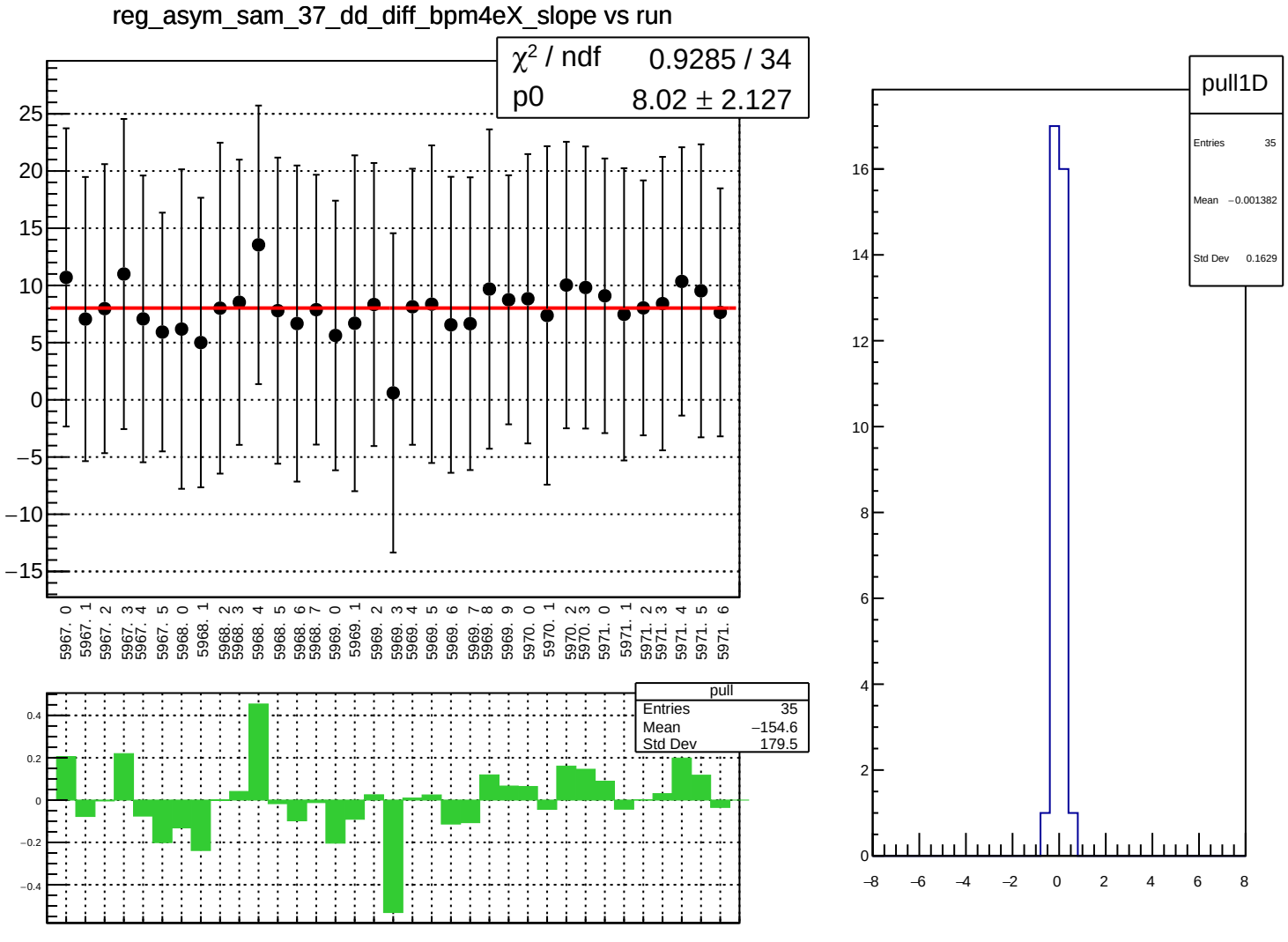

pull1D
Entries 35
Mean 0.004024
Std Dev 0.1181

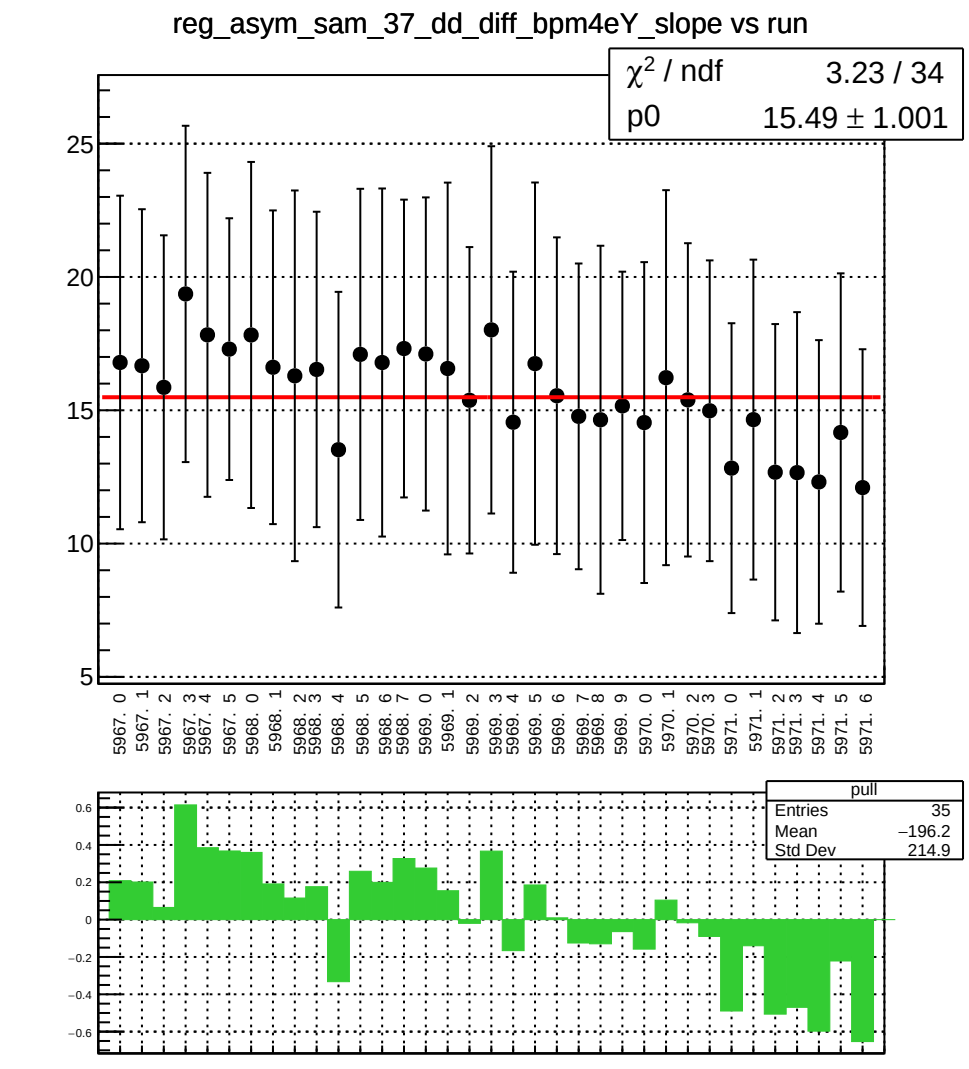

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.6743 / 34
p0 −54.58 ± 1.999
−35
−40
−45
−50
−55
−60
−65
−70
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1009
Std Dev 989.6
0.3
0.2
0.1
0
−0.1
−0.2

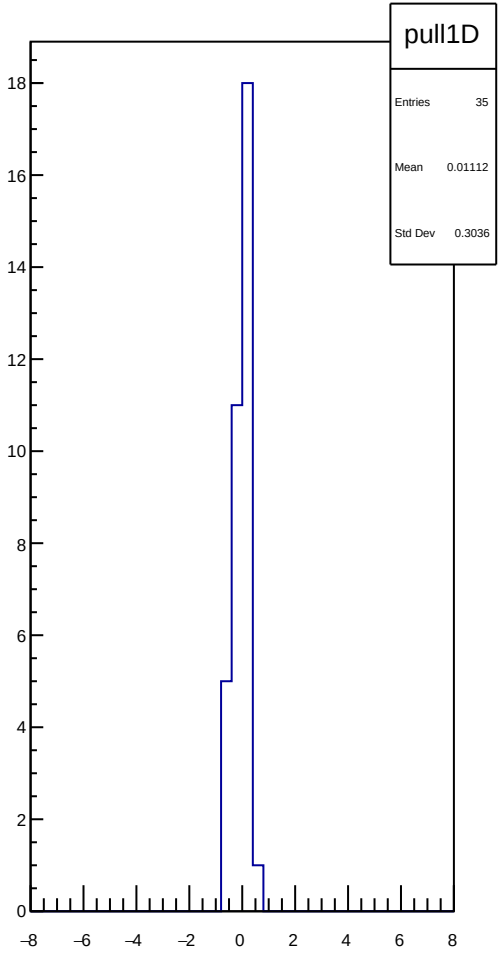

pull1D
Entries 35
Mean −0.0004981
Std Dev 0.1388
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

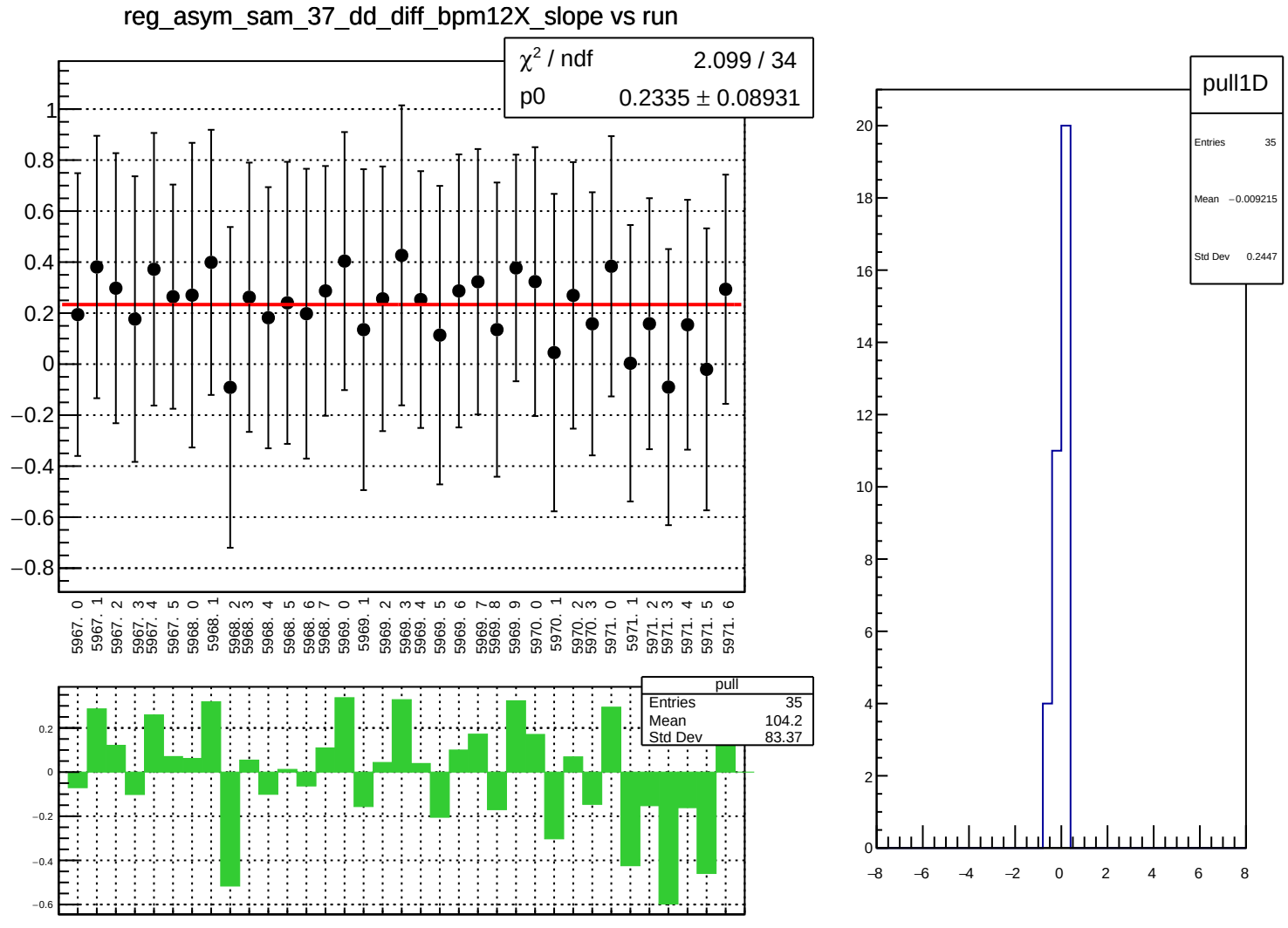

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.527 / 34
p0 −2.85 ± 0.7695
pull
Entries 35
Mean −190.3
Std Dev 208.7

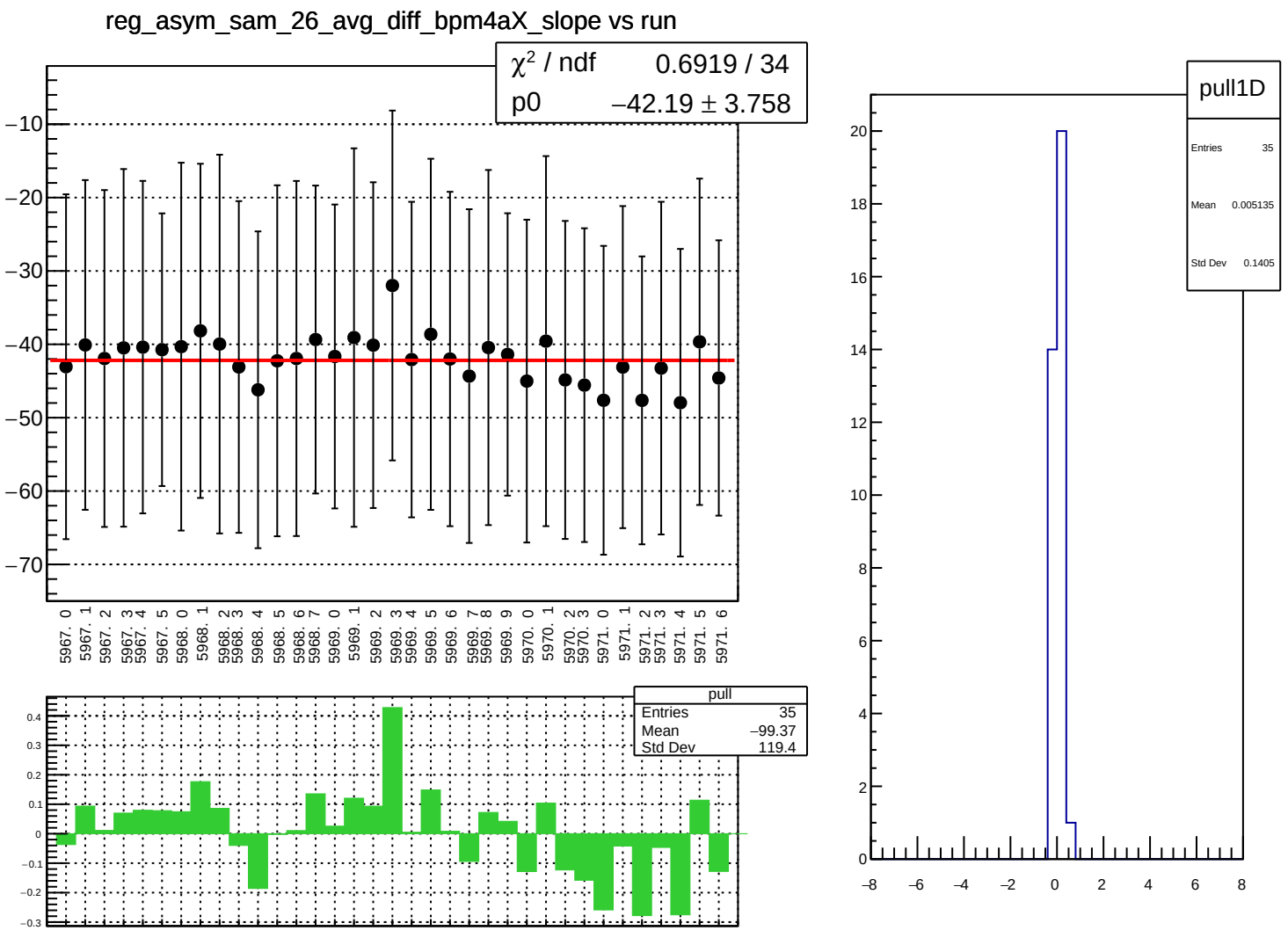

pull1D
Entries 35
Mean −0.009925
Std Dev 0.2685

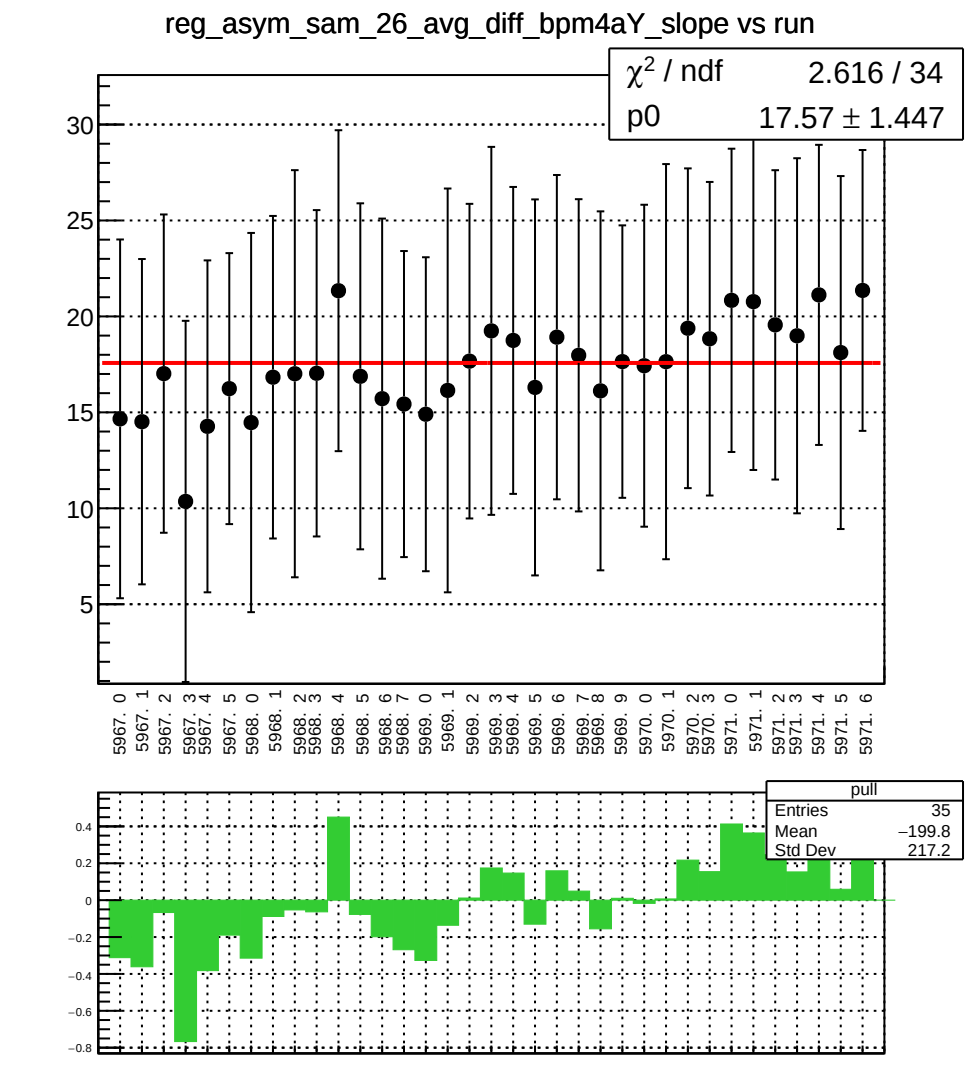

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9285 / 34
p0 8.02 ± 2.127
25
20
15
10
5
0
−5
−10
−15
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −154.6
Std Dev 179.5
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean −0.001382
Std Dev 0.1629
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

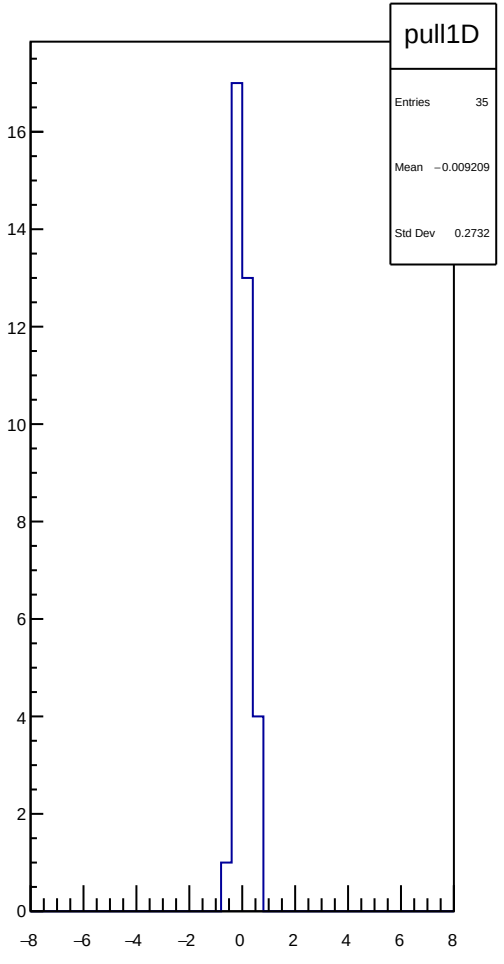

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.23 / 34
p0 15.49 ± 1.001
pull
Entries 35
Mean −196.2
Std Dev 214.9

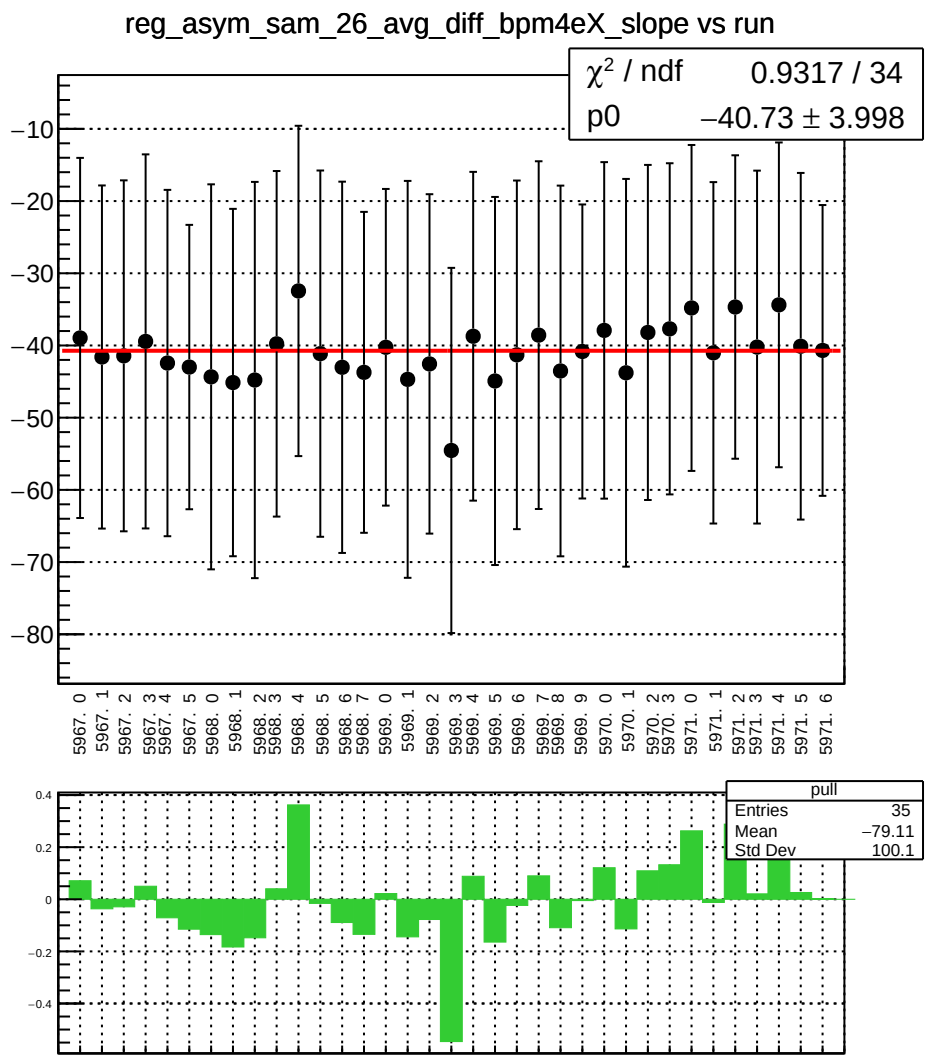

pull1D
Entries 35
Mean 0.01112
Std Dev 0.3036

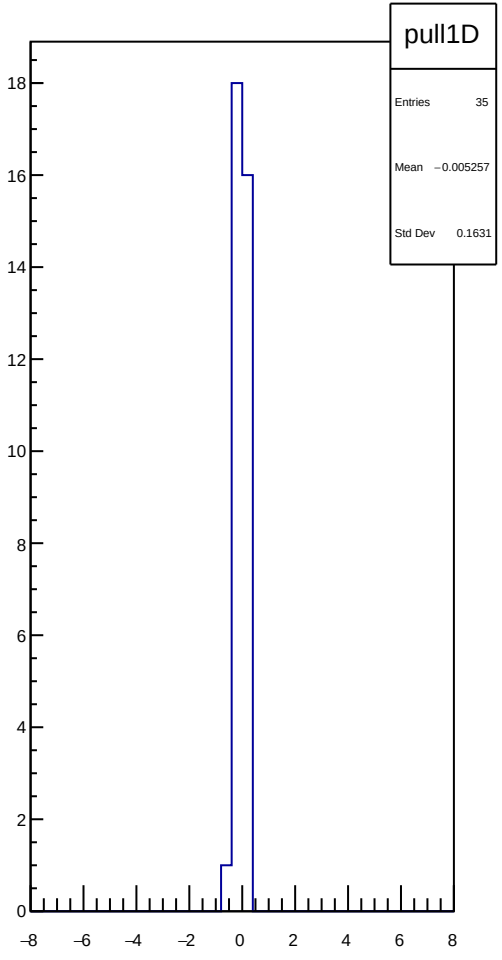

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.099 / 34
p0 0.2335 ± 0.08931
pull
Entries 35
Mean 104.2
Std Dev 83.37
pull1D
Entries 35
Mean −0.009215
Std Dev 0.2447

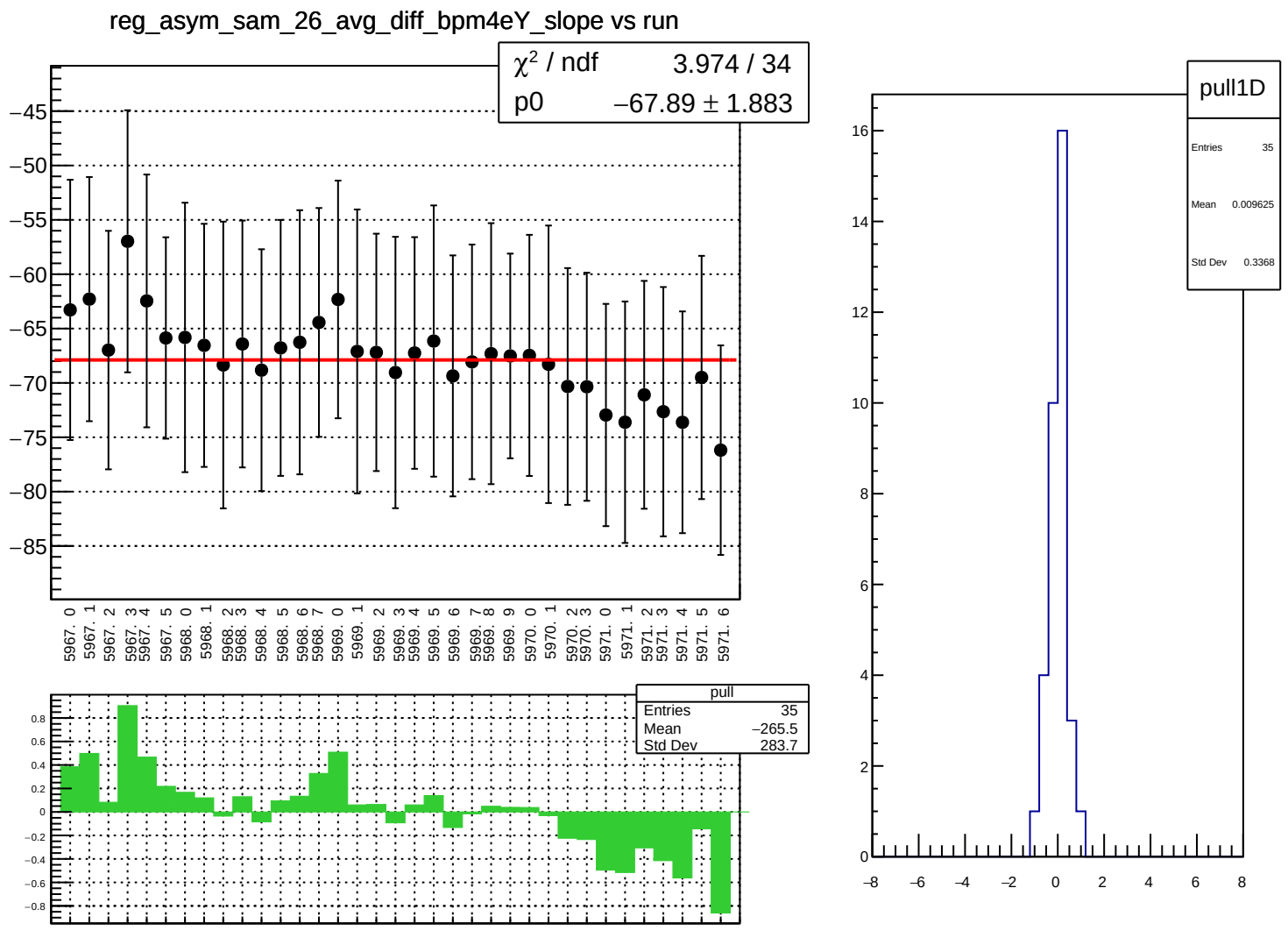

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6919 / 34
p0 −42.19 ± 3.758
pull
Entries 35
Mean −99.37
Std Dev 119.4
pull1D
Entries 35
Mean 0.005135
Std Dev 0.1405

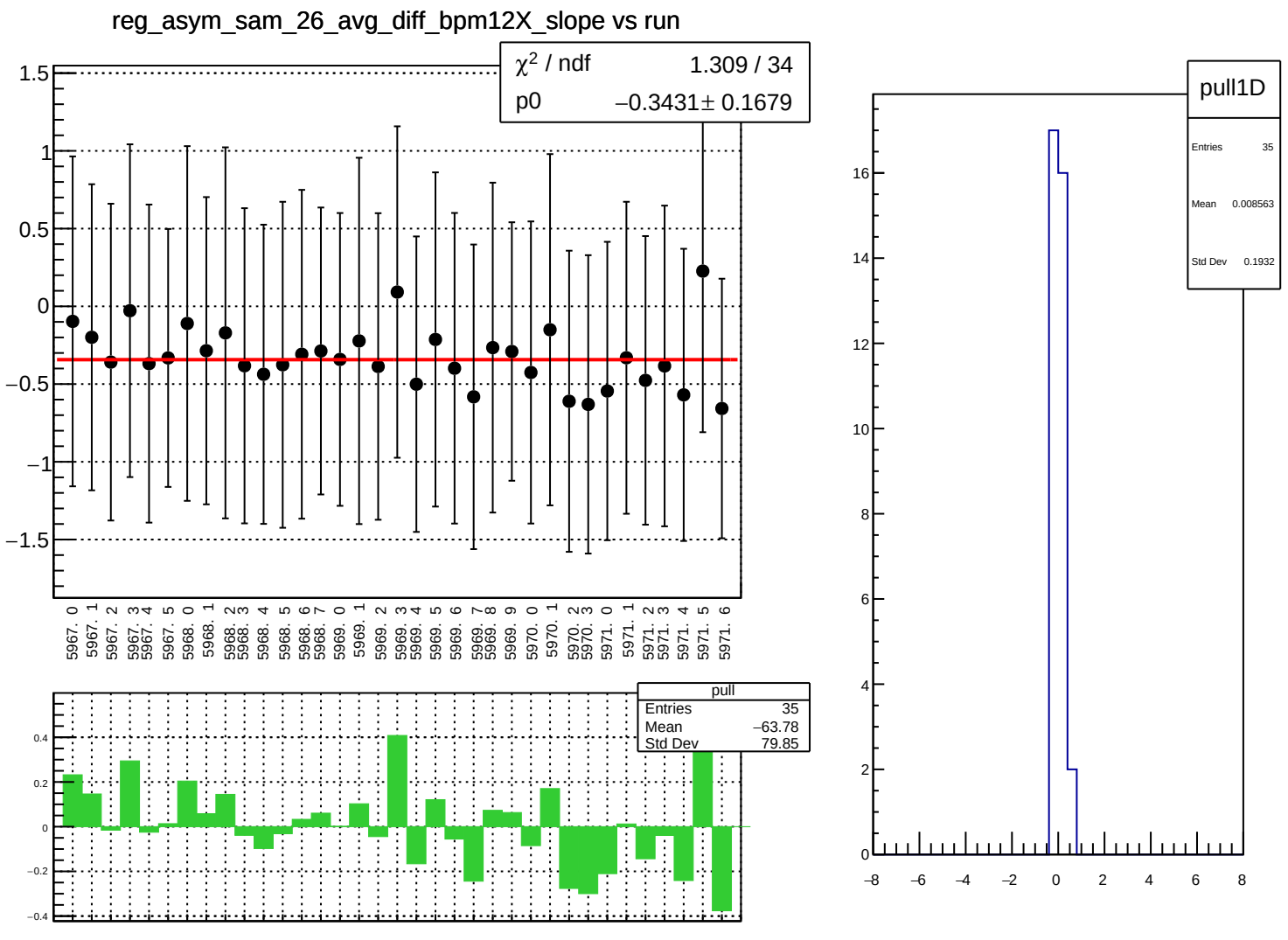

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.616 / 34
p0 17.57 ± 1.447
pull
Entries 35
Mean −199.8
Std Dev 217.2

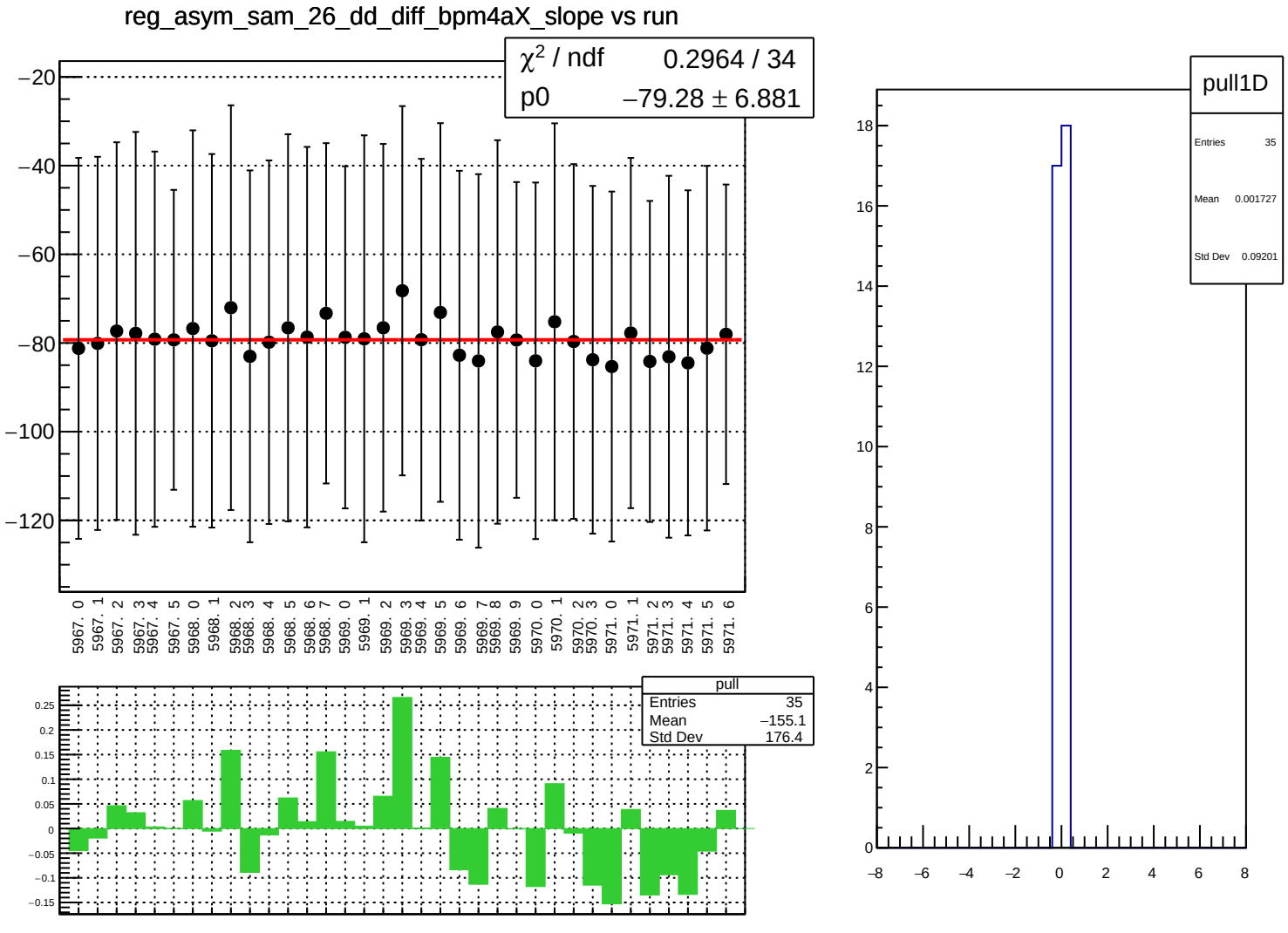

pull1D
Entries 35
Mean −0.009209
Std Dev 0.2732

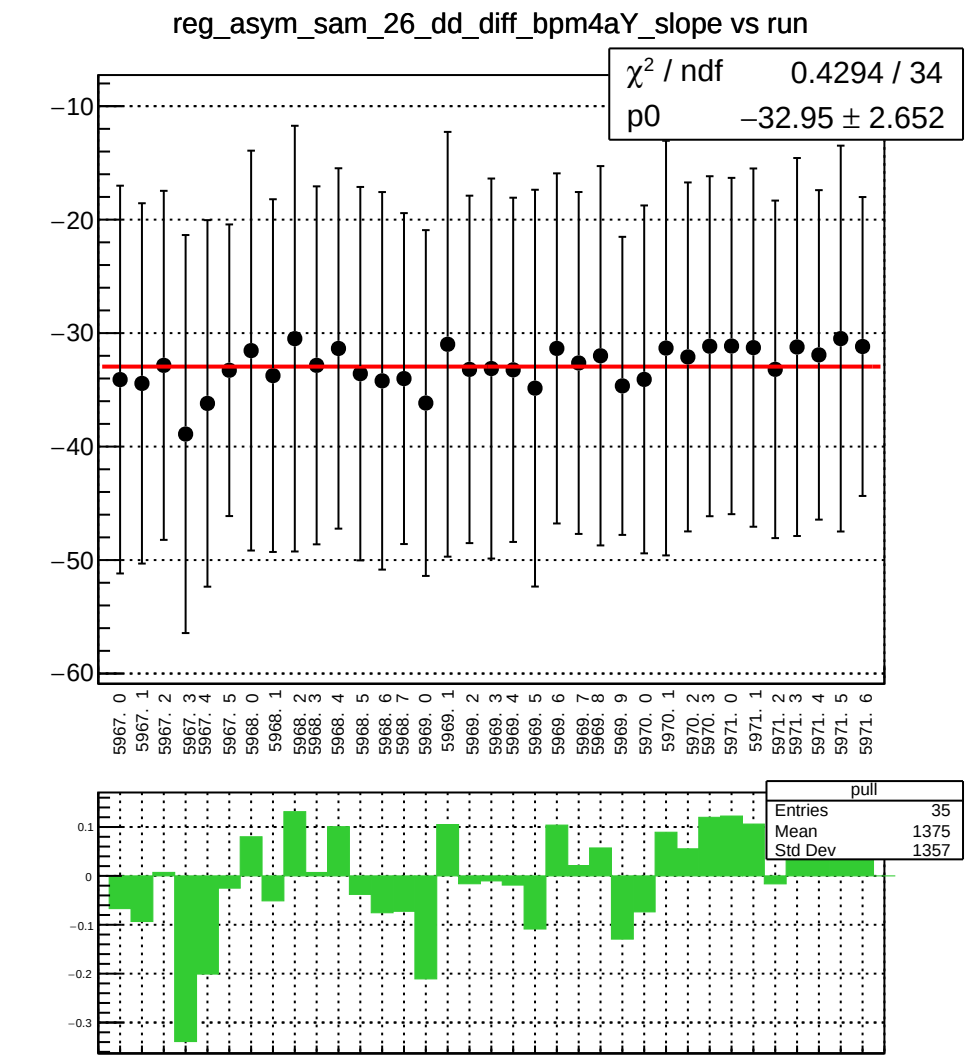

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.9317 / 34
p0 −40.73 ± 3.998
pull
Entries 35
Mean −79.11
Std Dev 100.1

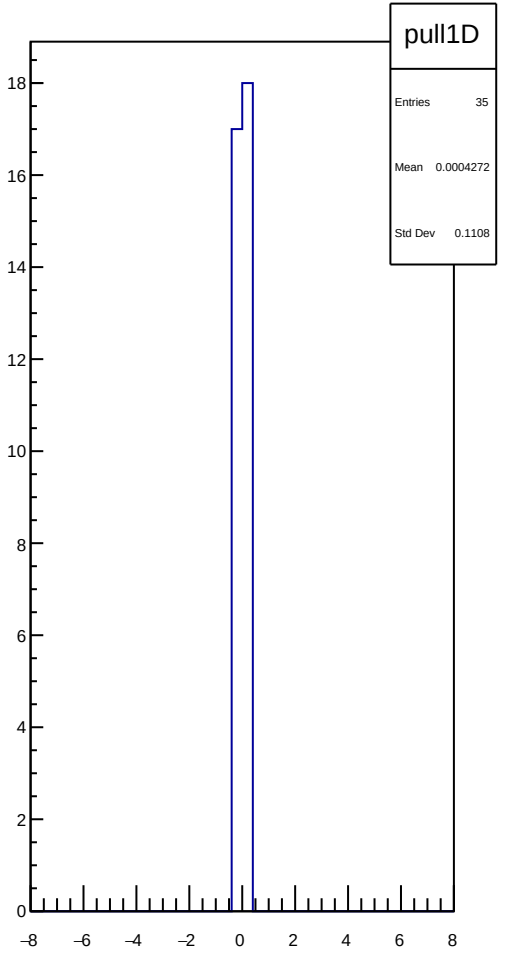

pull1D
Entries 35
Mean −0.005257
Std Dev 0.1631

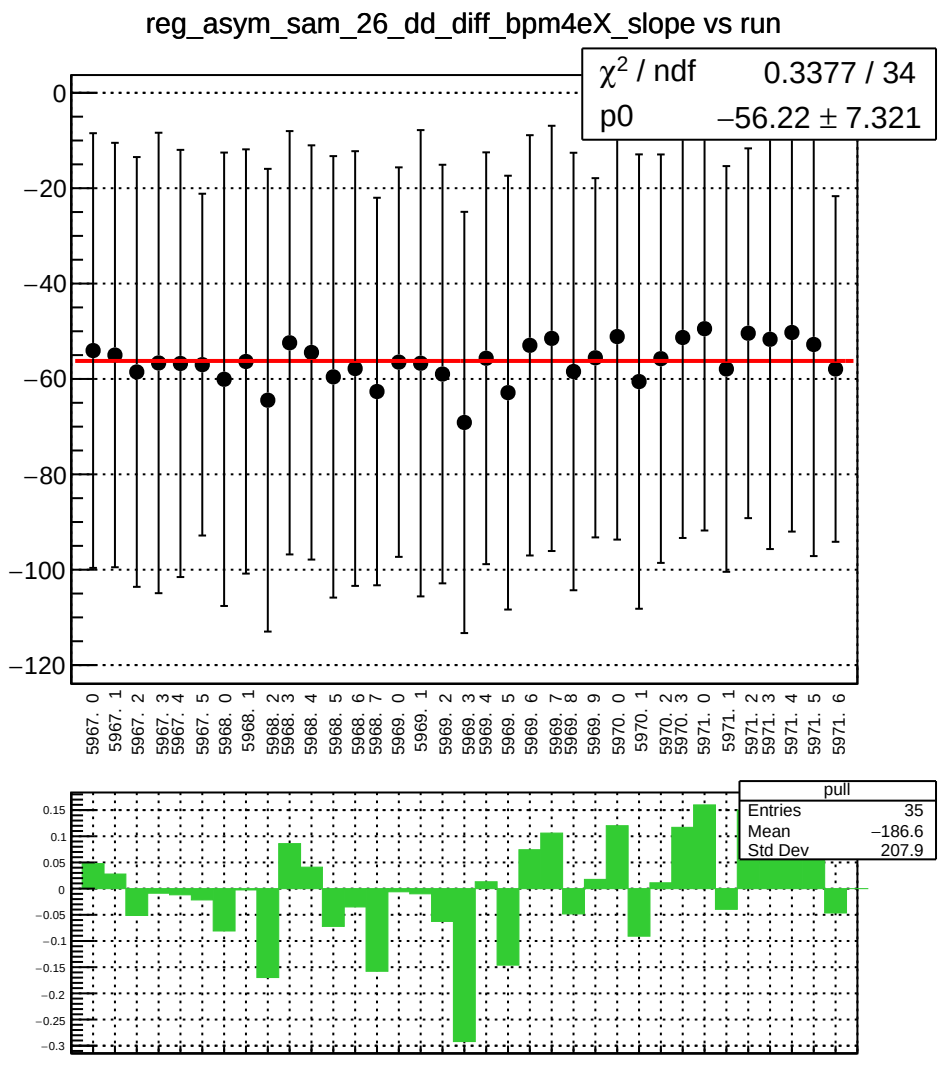

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.974 / 34
p0 −67.89 ± 1.883
−45
−50
−55
−60
−65
−70
−75
−80
−85
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −265.5
Std Dev 283.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 0.009625
Std Dev 0.3368
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

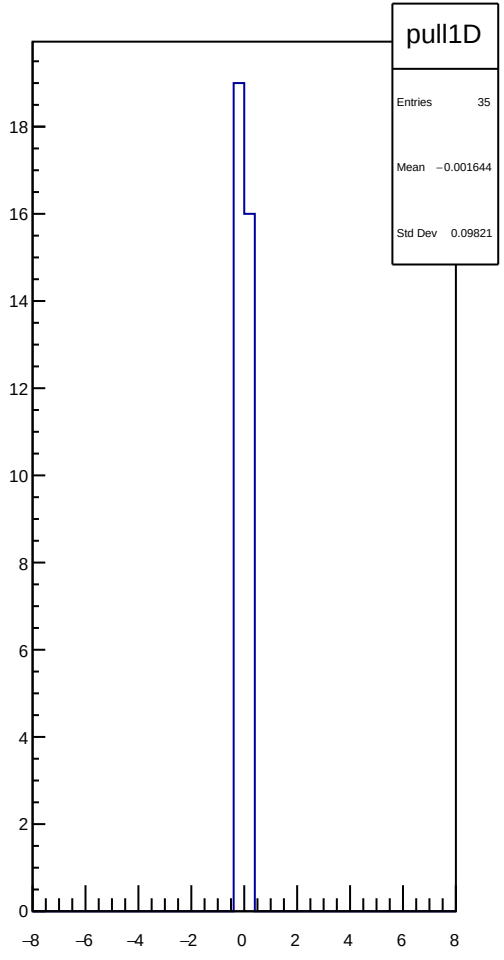

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.309 / 34
p0 −0.3431± 0.1679
pull
Entries 35
Mean −63.78
Std Dev 79.85
pull1D
Entries 35
Mean 0.008563
Std Dev 0.1932

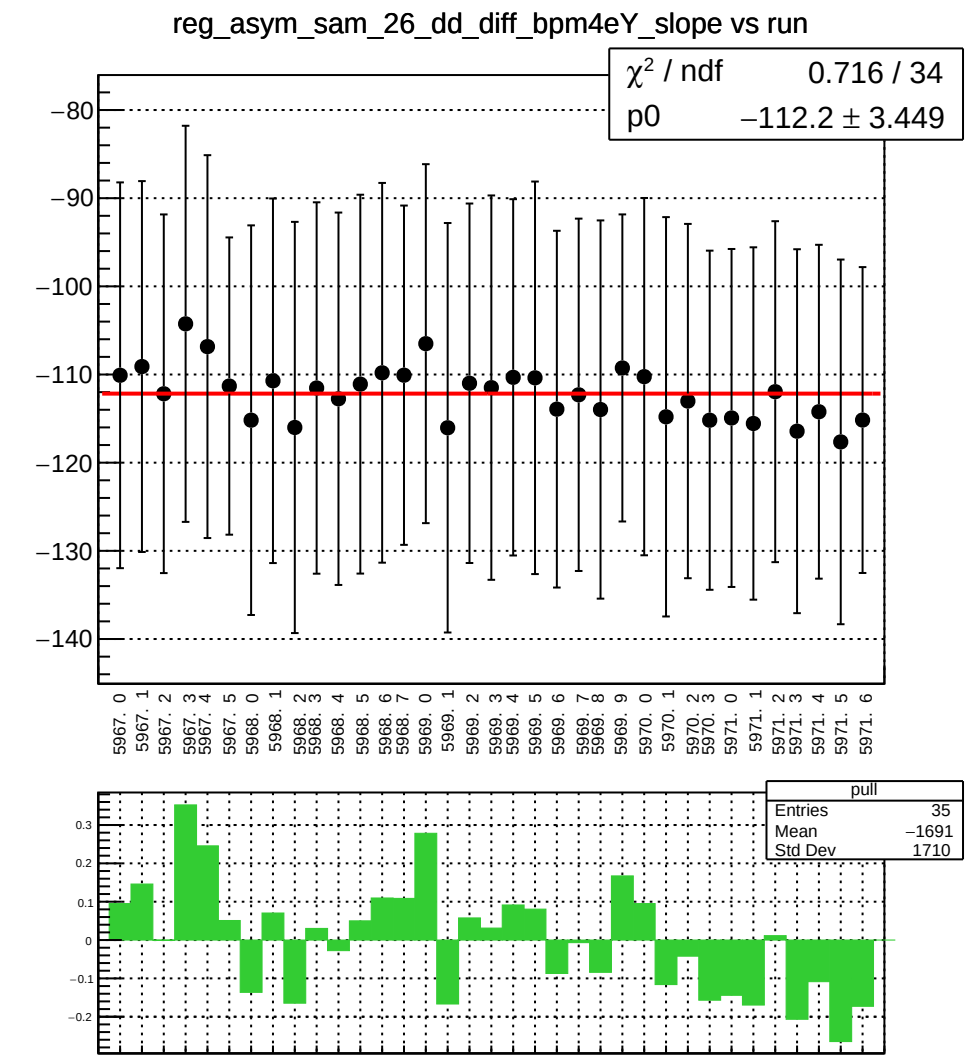

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.2964 / 34
p0 −79.28 ± 6.881
−20
−40
−60
−80
−100
−120
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −155.1
Std Dev 176.4
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull1D
Entries 35
Mean 0.001727
Std Dev 0.09201
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

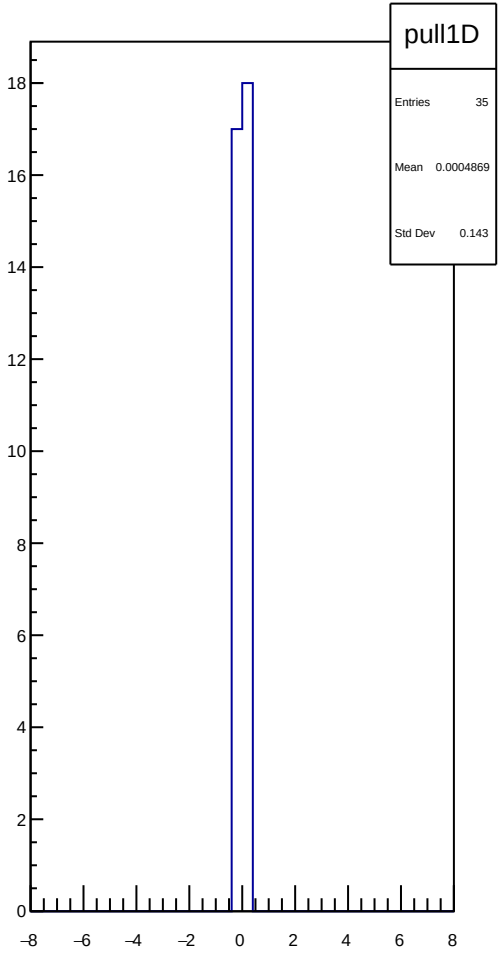

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.4294 / 34
p0 −32.95 ± 2.652
pull
Entries 35
Mean 1375
Std Dev 1357

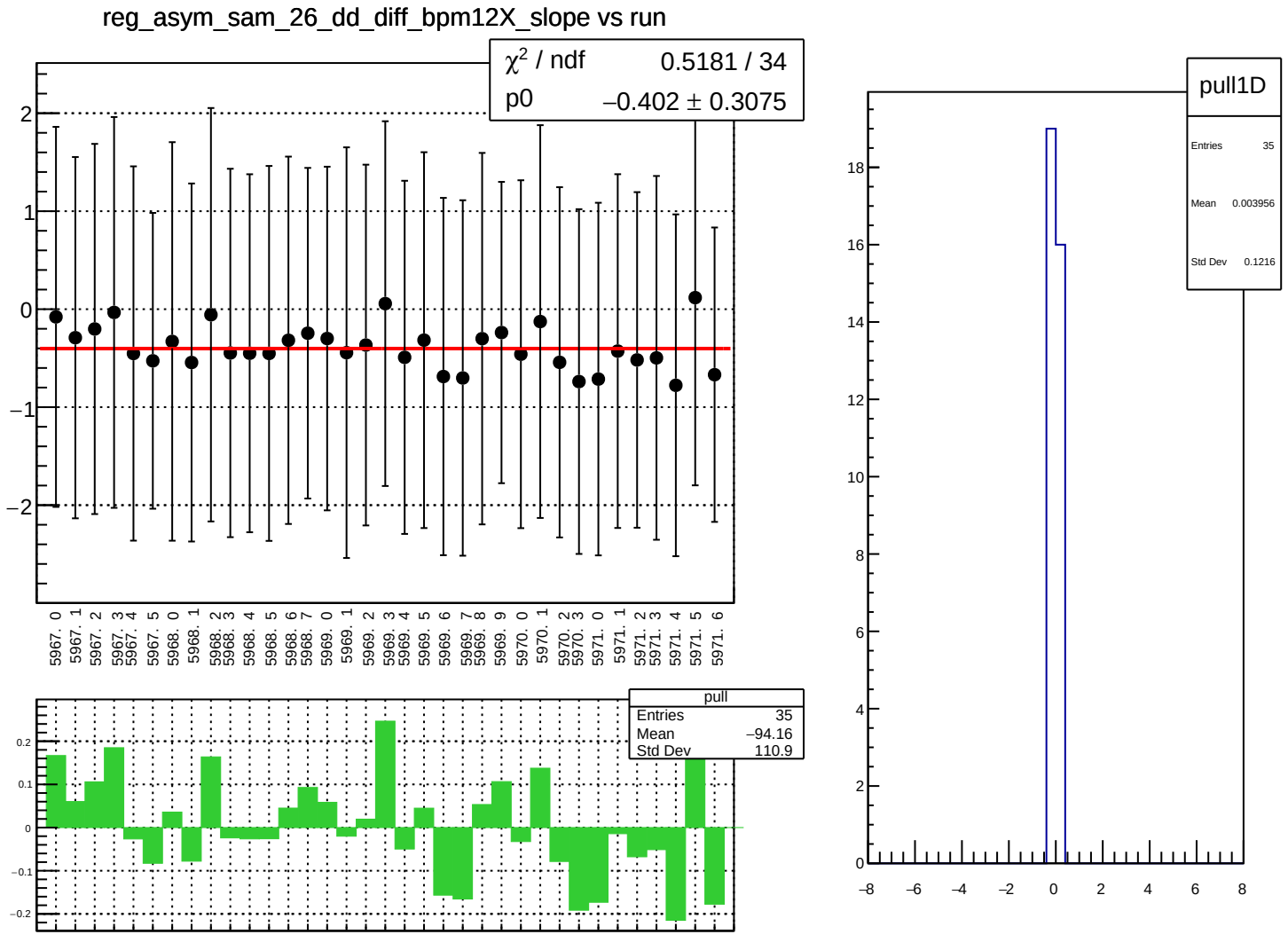

pull1D
Entries 35
Mean 0.0004272
Std Dev 0.1108

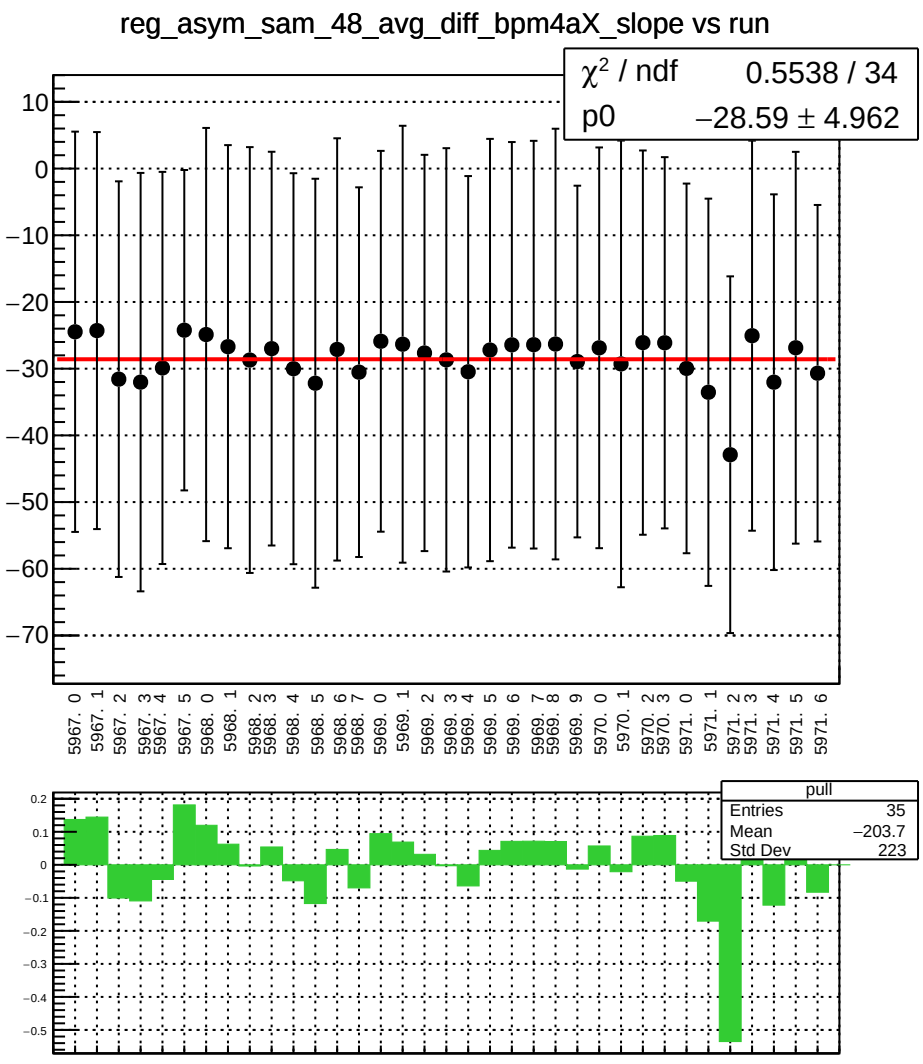

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.3377 / 34
p0 −56.22 ± 7.321
0
−20
−40
−60
−80
−100
−120
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −186.6
Std Dev 207.9
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

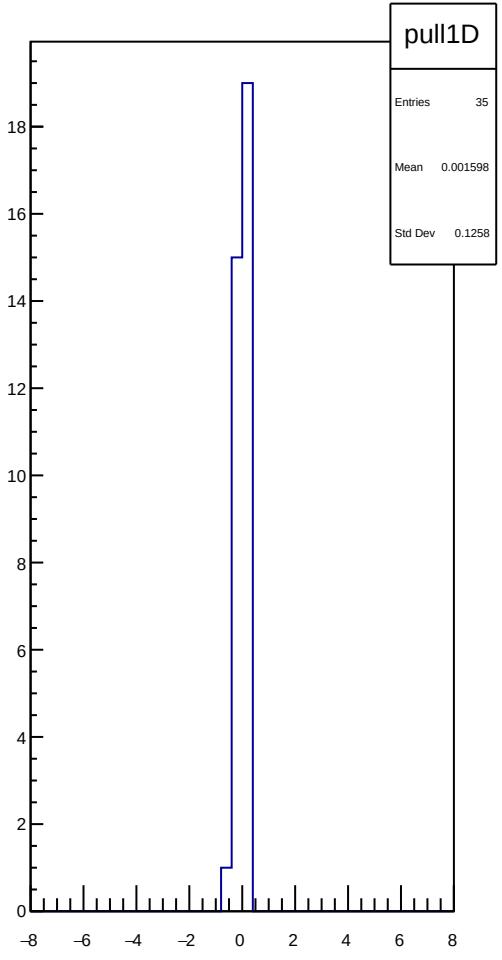

pull1D
Entries 35
Mean −0.001644
Std Dev 0.09821
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

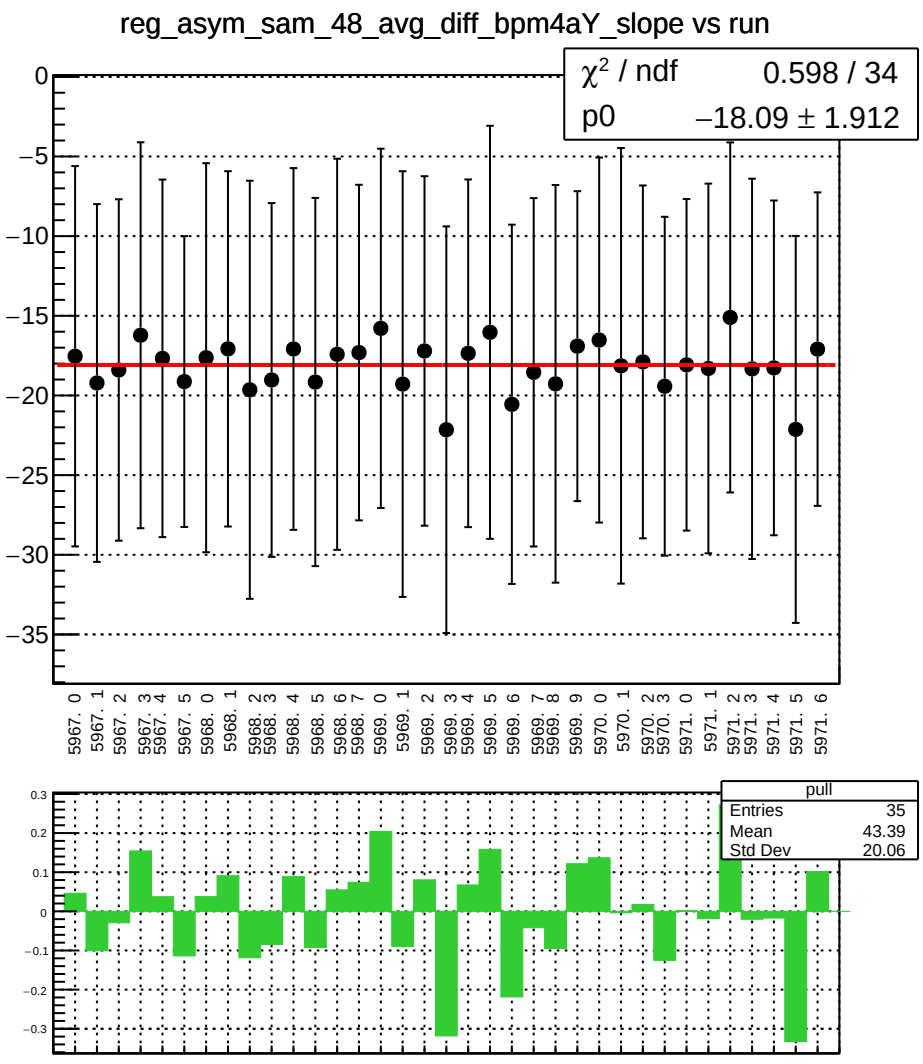

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.716 / 34
p0 −112.2 ± 3.449
−80
−90
−100
−110
−120
−130
−140
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −1691
Std Dev 1710
0.3
0.2
0.1
0
−0.1
−0.2

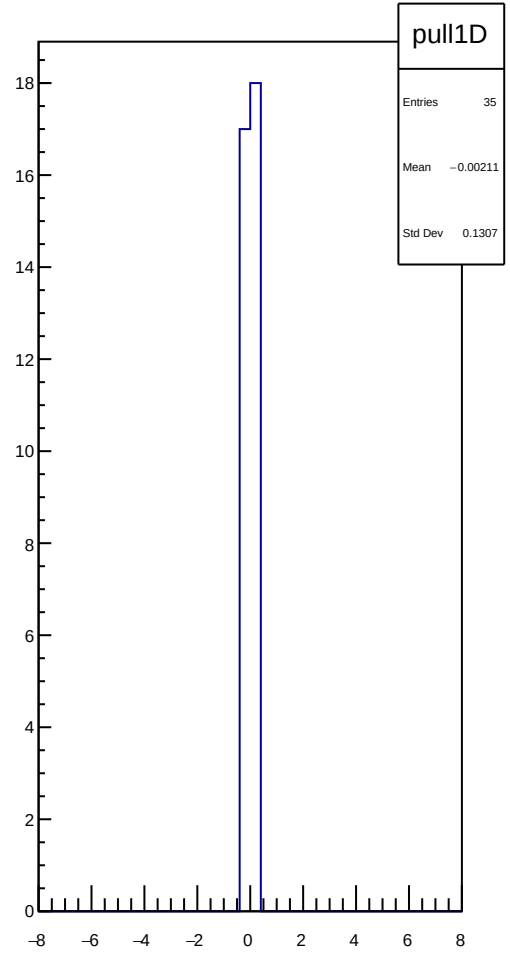

pull1D
Entries 35
Mean 0.0004869
Std Dev 0.143
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

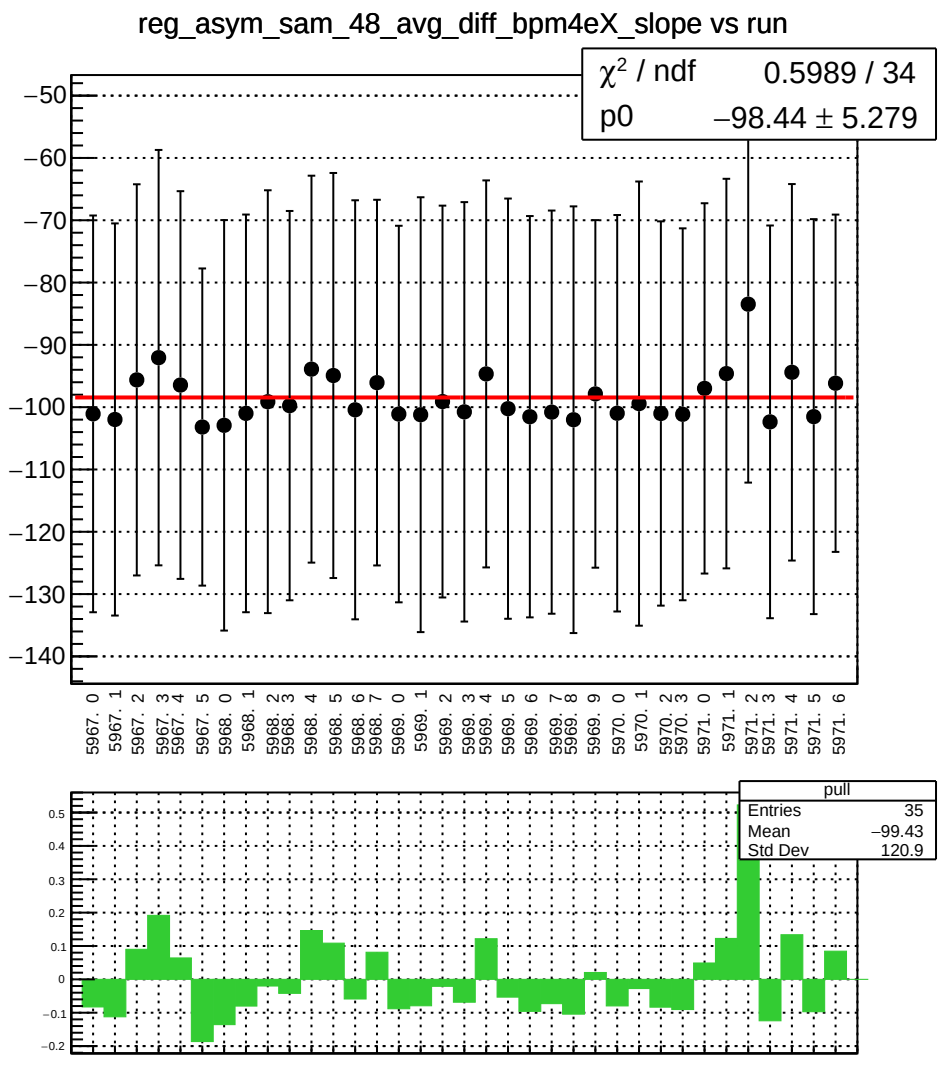

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5181 / 34
p0 −0.402 ± 0.3075
pull
Entries 35
Mean −94.16
Std Dev 110.9
pull1D
Entries 35
Mean 0.003956
Std Dev 0.1216

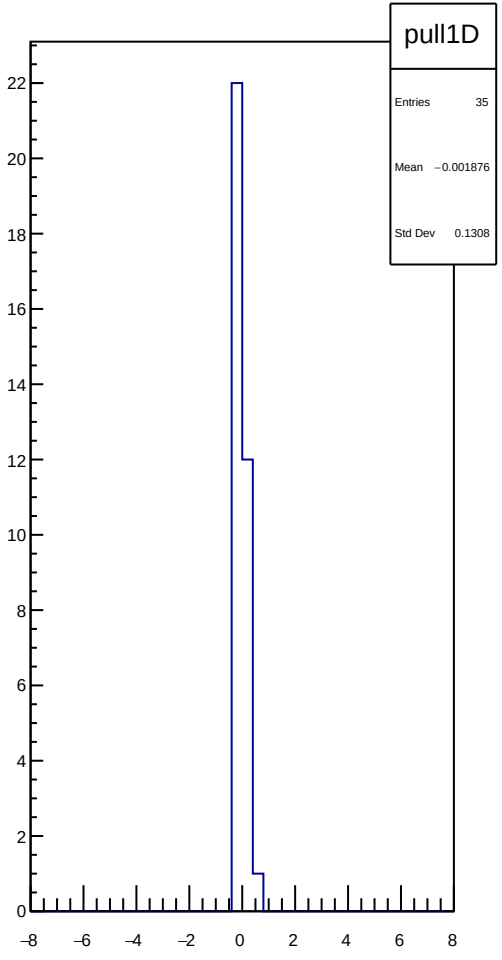

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.5538 / 34
p0 −28.59 ± 4.962
pull
Entries 35
Mean −203.7
Std Dev 223

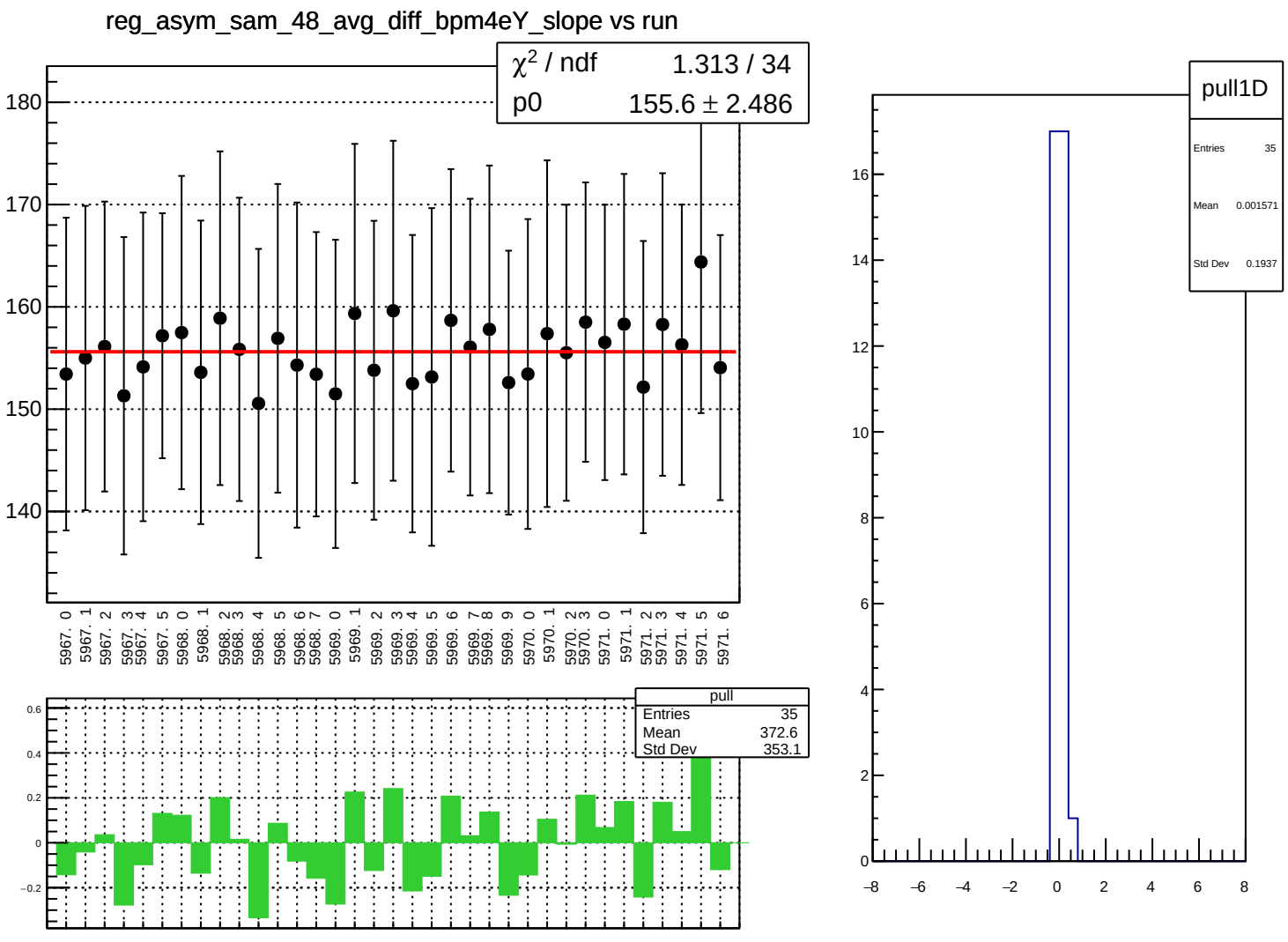

pull1D
Entries 35
Mean 0.001598
Std Dev 0.1258

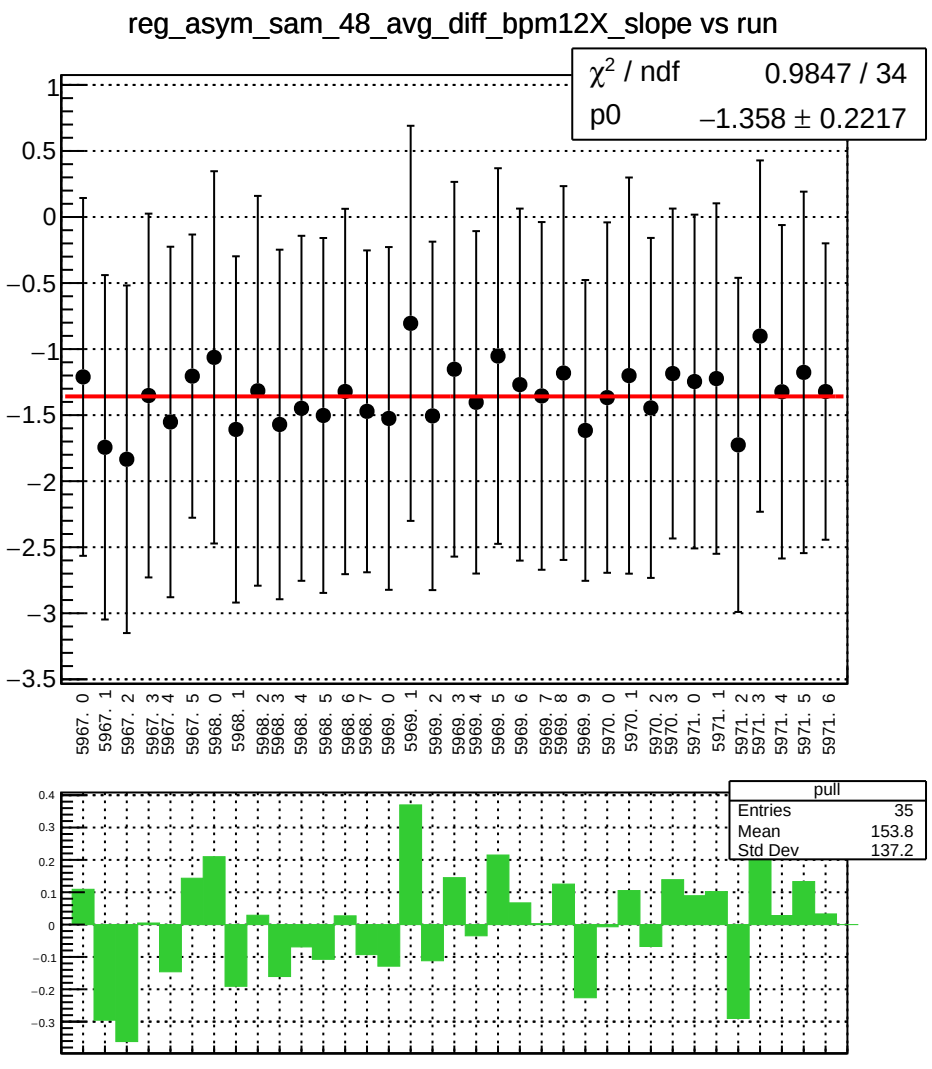

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.598 / 34
p0 −18.09 ± 1.912
0
−5
−10
−15
−20
−25
−30
−35
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 43.39
Std Dev 20.06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

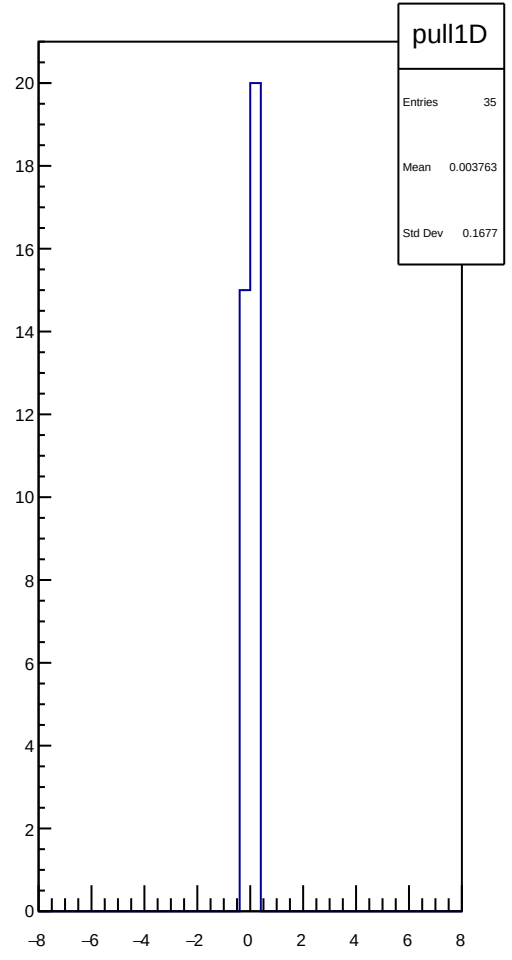

pull1D
Entries 35
Mean −0.00211
Std Dev 0.1307
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

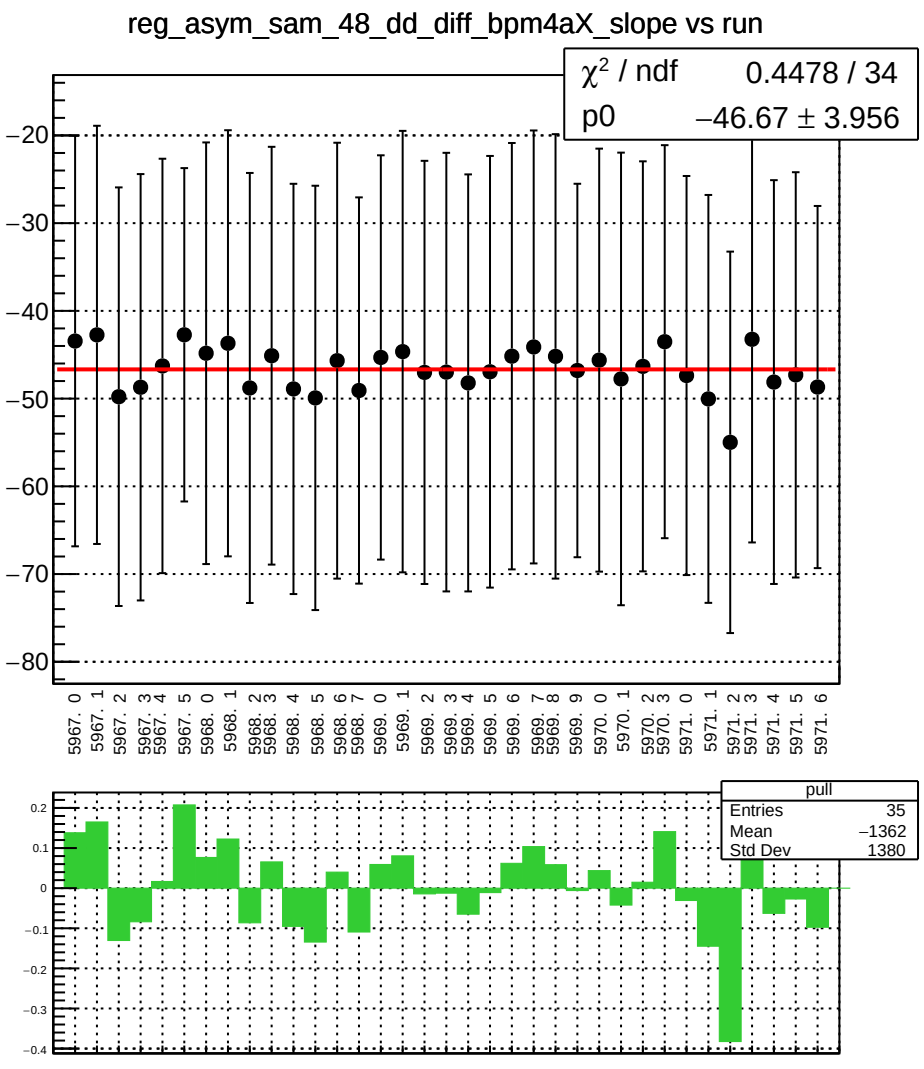

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.5989 / 34
p0 −98.44 ± 5.279
−50
−60
−70
−80
−90
−100
−110
−120
−130
−140
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −99.43
Std Dev 120.9
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2

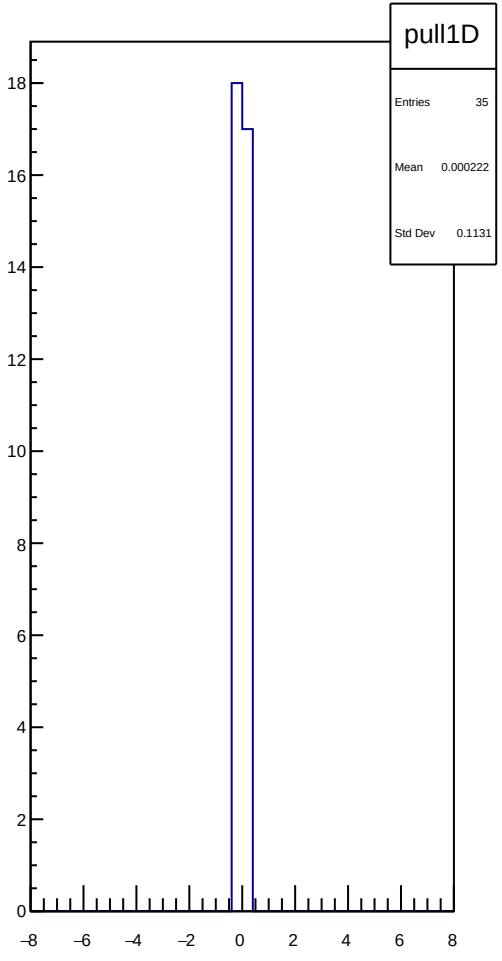

pull1D
Entries 35
Mean −0.001876
Std Dev 0.1308
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

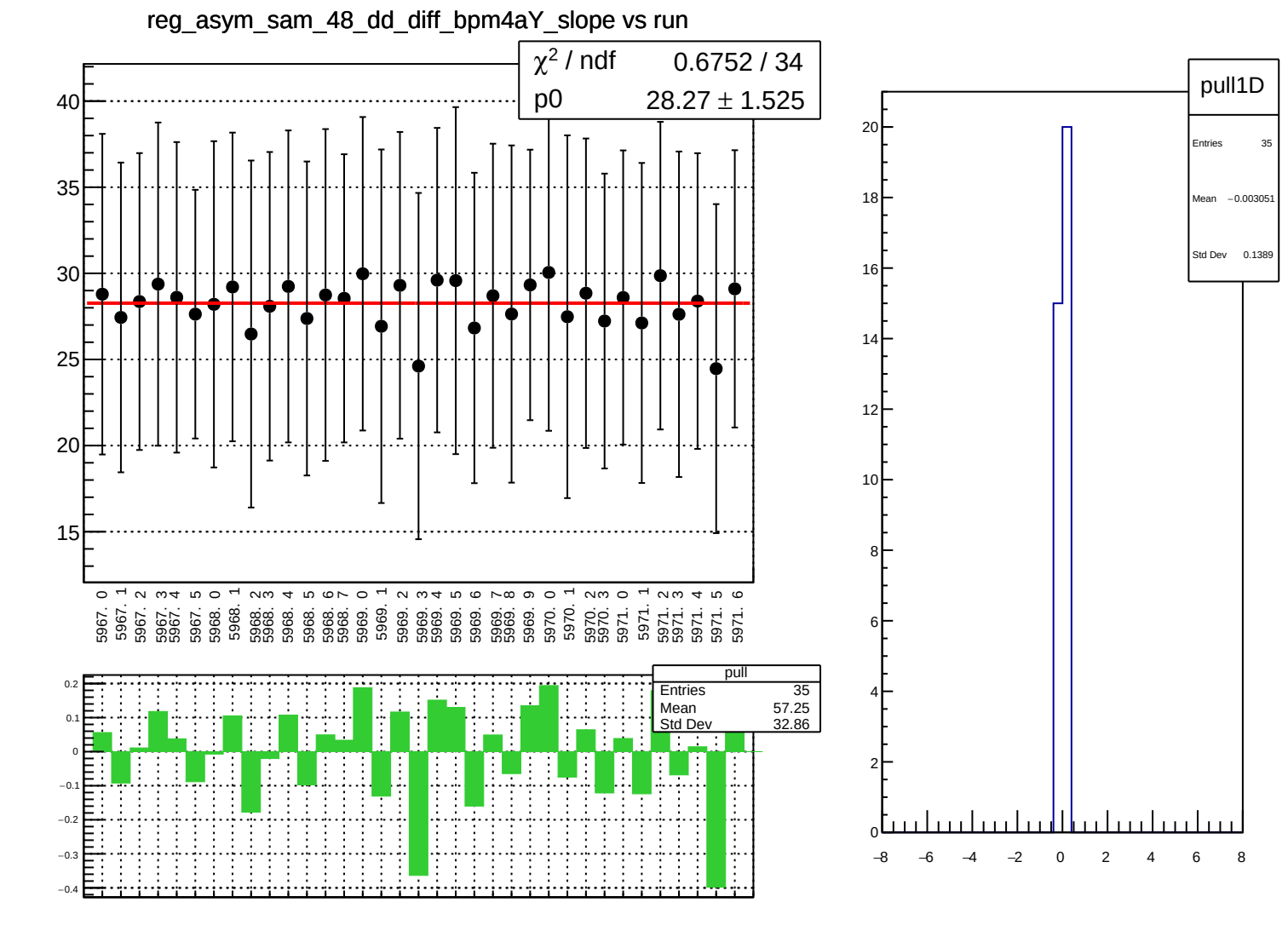

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.313 / 34
p0 155.6 ± 2.486
180
170
160
150
140
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 372.6
Std Dev 353.1
0.6
0.4
0.2
0
−0.2
pull1D
Entries 35
Mean 0.001571
Std Dev 0.1937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

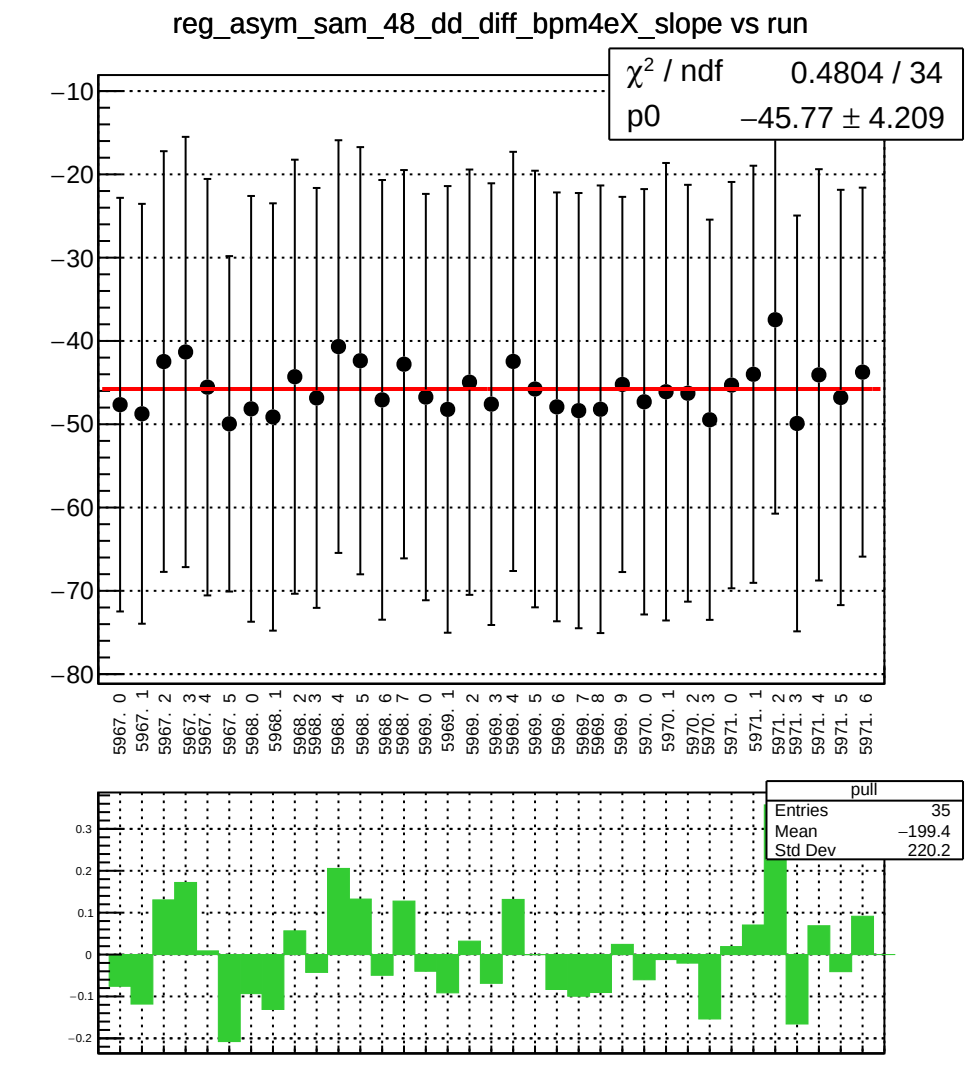

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 0.9847 / 34
p0 −1.358 ± 0.2217
pull
Entries 35
Mean 153.8
Std Dev 137.2

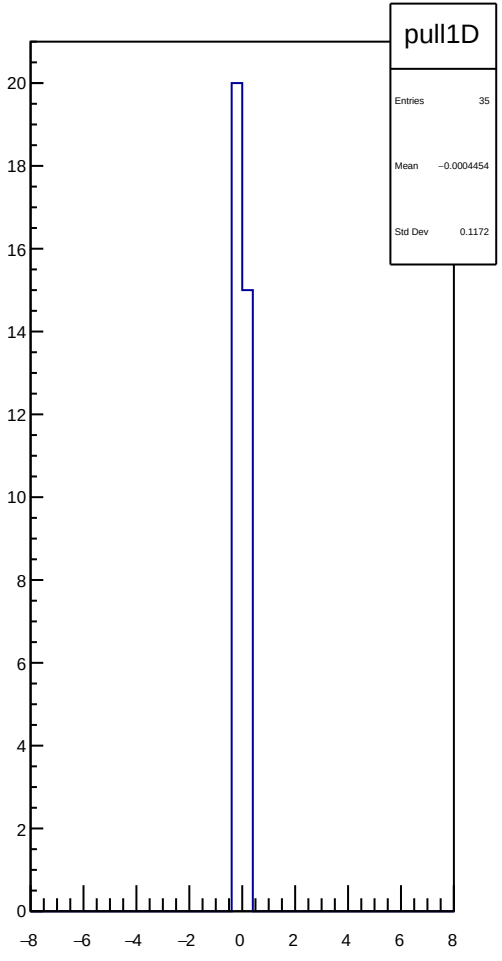

pull1D
Entries 35
Mean 0.003763
Std Dev 0.1677

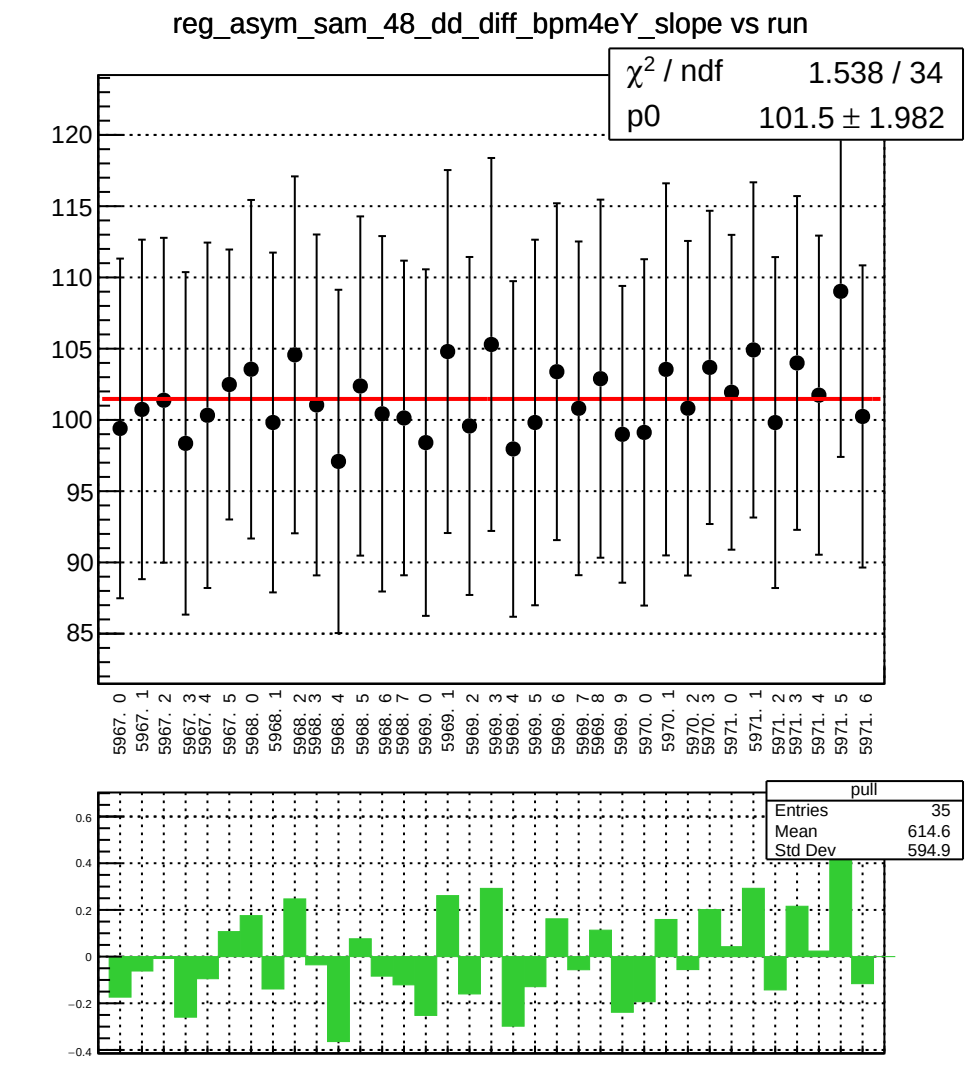

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4478 / 34
p0 −46.67 ± 3.956
pull
Entries 35
Mean −1362
Std Dev 1380

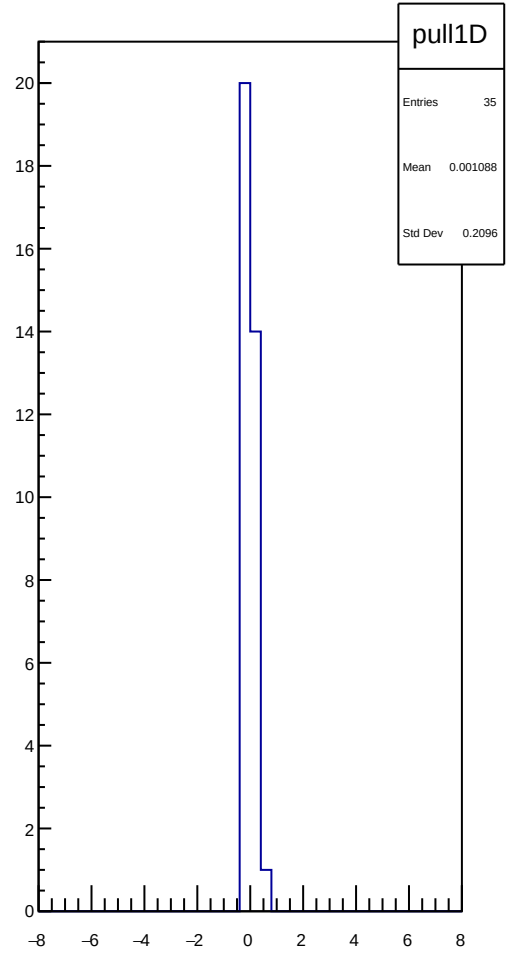

pull1D
Entries 35
Mean 0.000222
Std Dev 0.1131

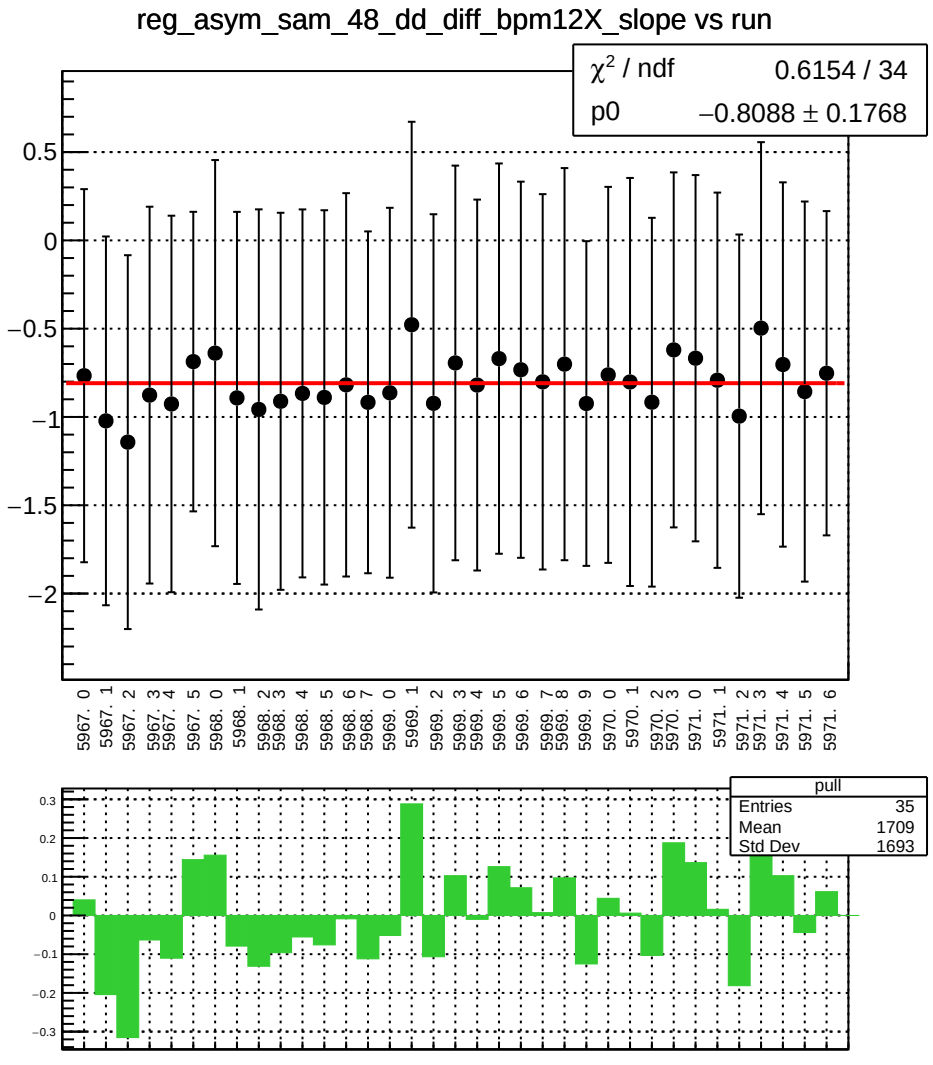

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.6752 / 34
p0 28.27 ± 1.525
40
35
30
25
20
15
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 57.25
Std Dev 32.86
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 35
Mean −0.003051
Std Dev 0.1389
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

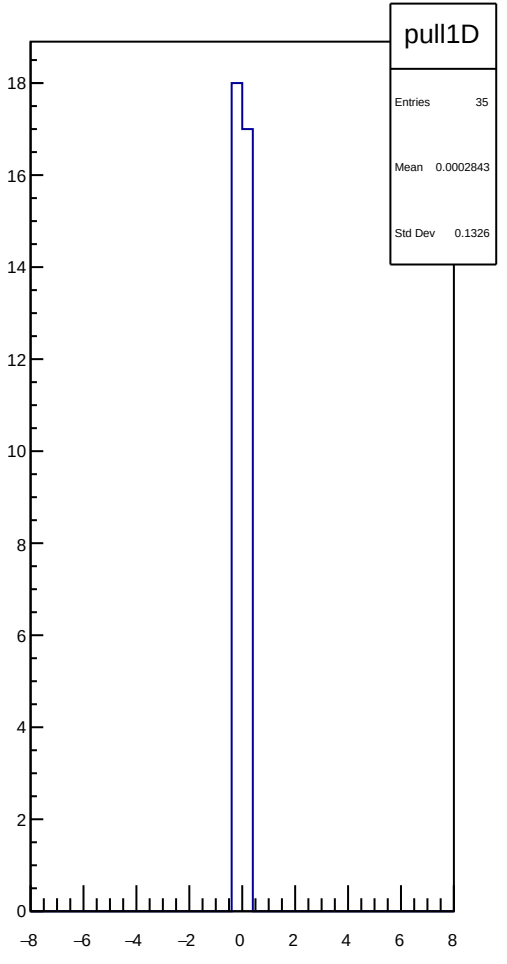

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.4804 / 34
p0 −45.77 ± 4.209
pull
Entries 35
Mean −199.4
Std Dev 220.2

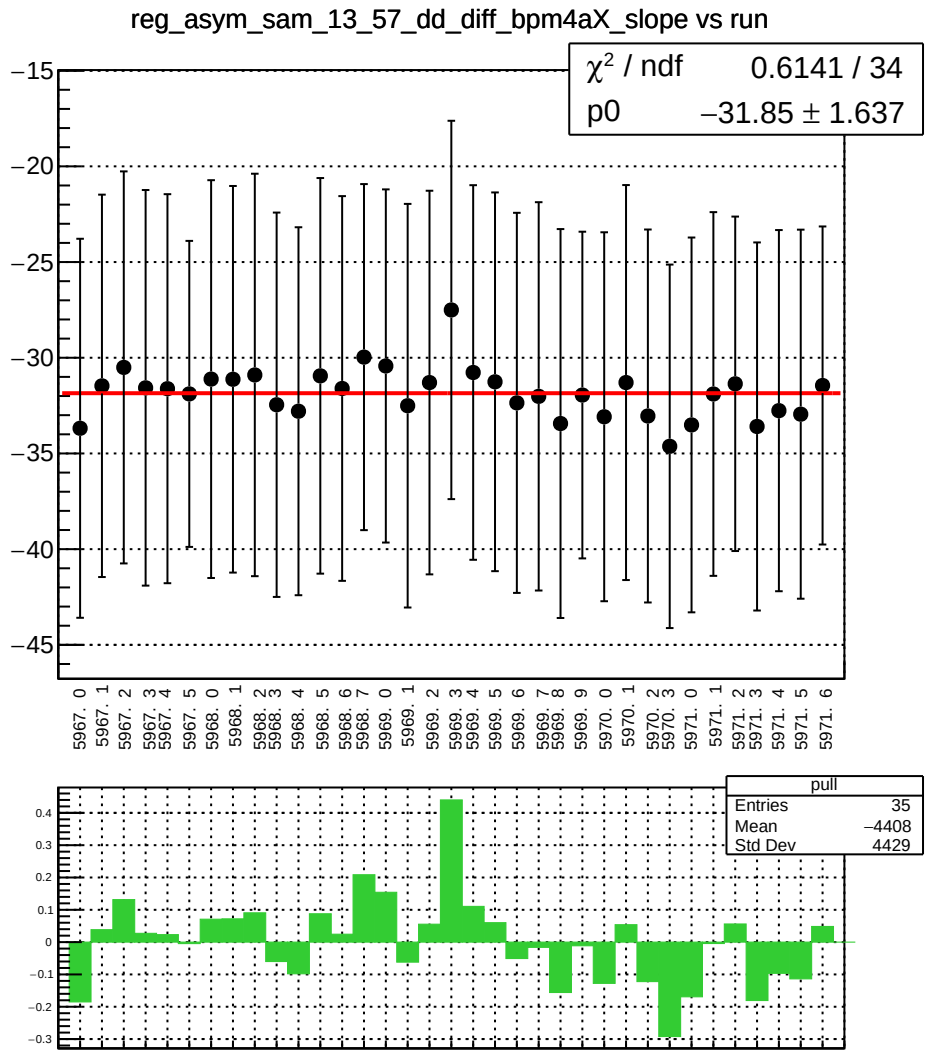

pull1D
Entries 35
Mean −0.0004454
Std Dev 0.1172

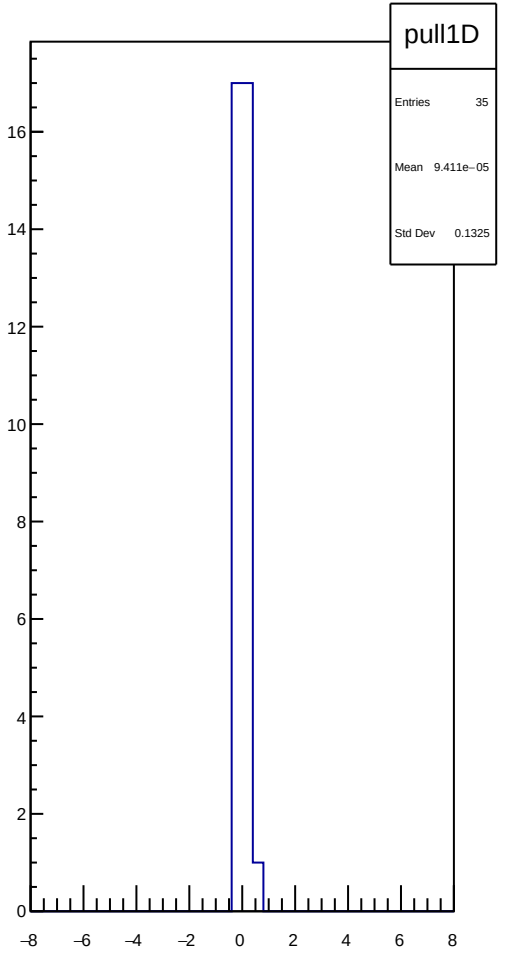

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.538 / 34
p0 101.5 ± 1.982
pull
Entries 35
Mean 614.6
Std Dev 594.9

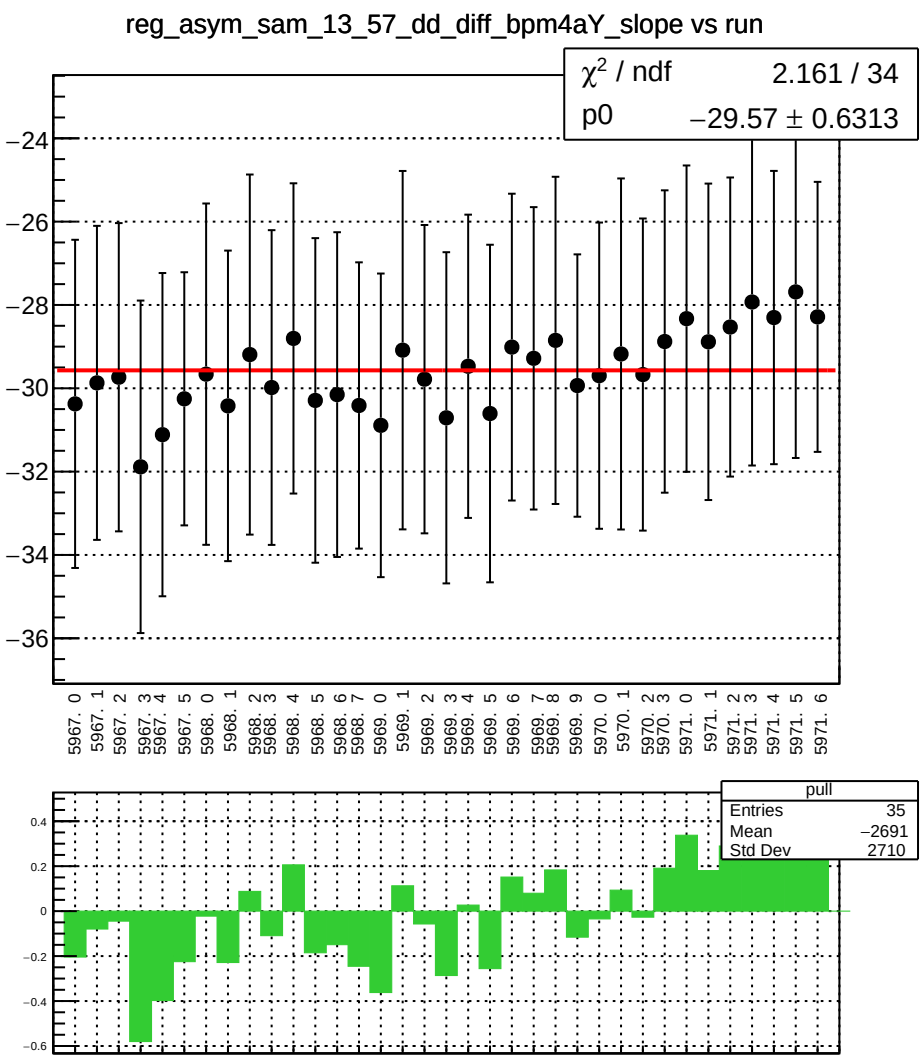

pull1D
Entries 35
Mean 0.001088
Std Dev 0.2096

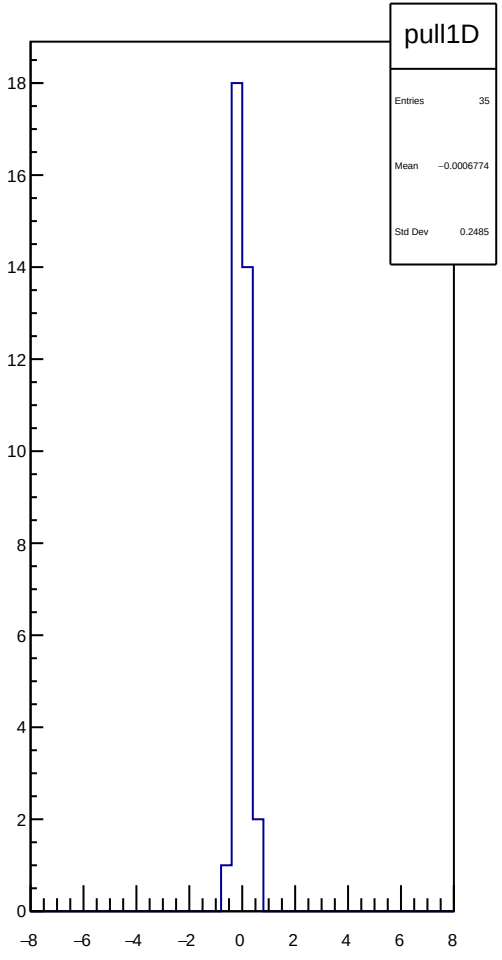

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6154 / 34
p0 −0.8088 ± 0.1768
0.5
0
−0.5
−1
−1.5
−2
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1709
Std Dev 1693
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

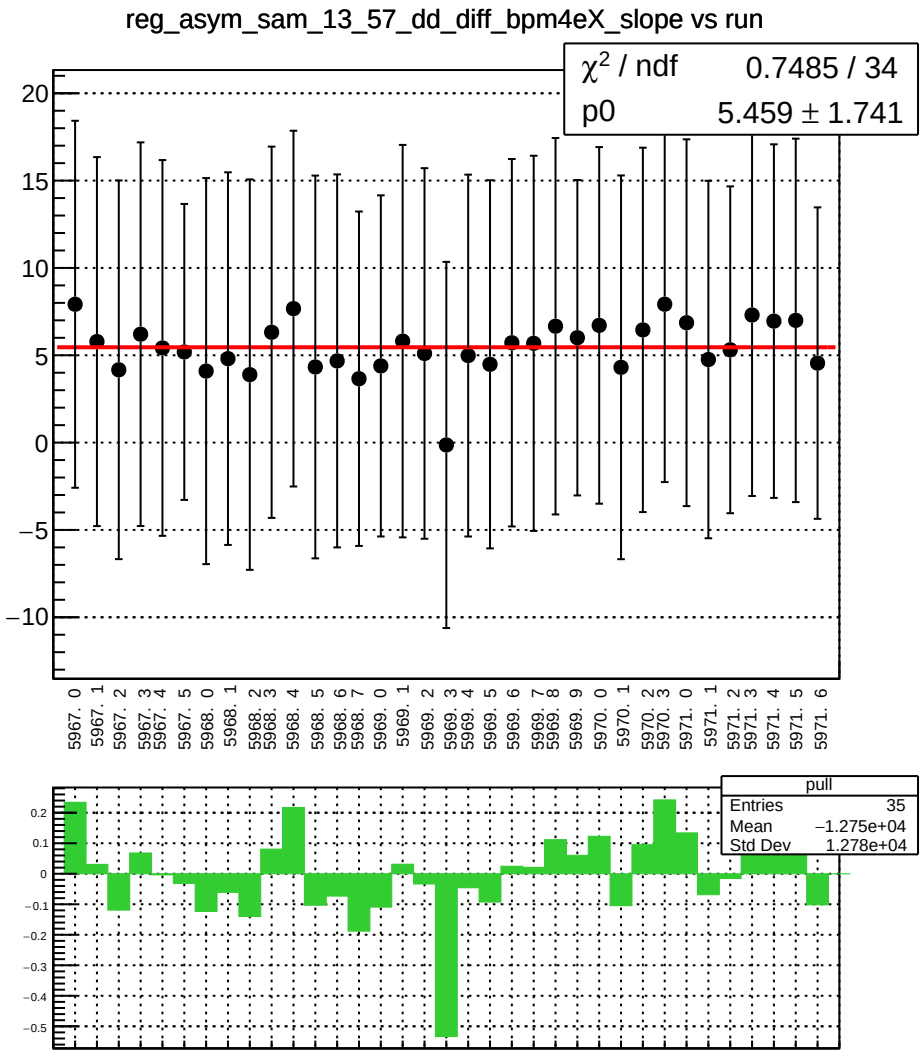

pull1D
Entries 35
Mean 0.0002843
Std Dev 0.1326
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

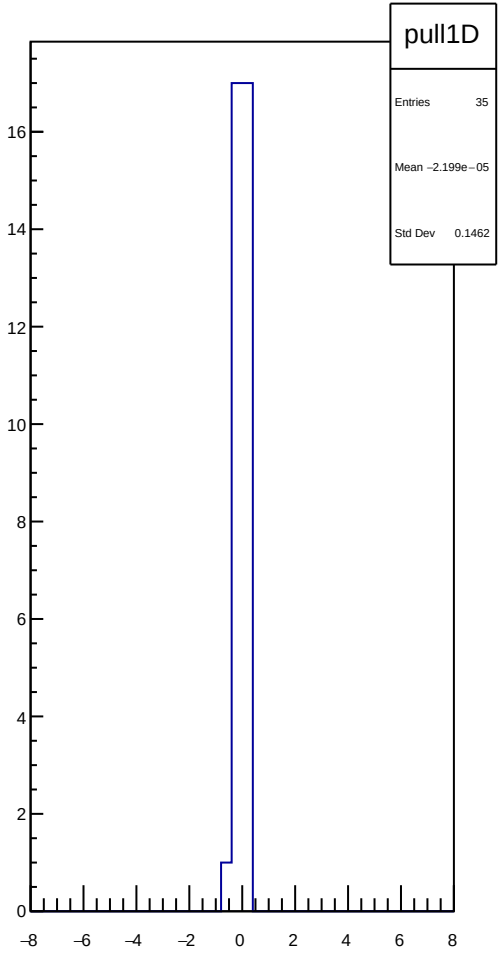

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.6141 / 34
p0 −31.85 ± 1.637
−15
−20
−25
−30
−35
−40
−45
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −4408
Std Dev 4429
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

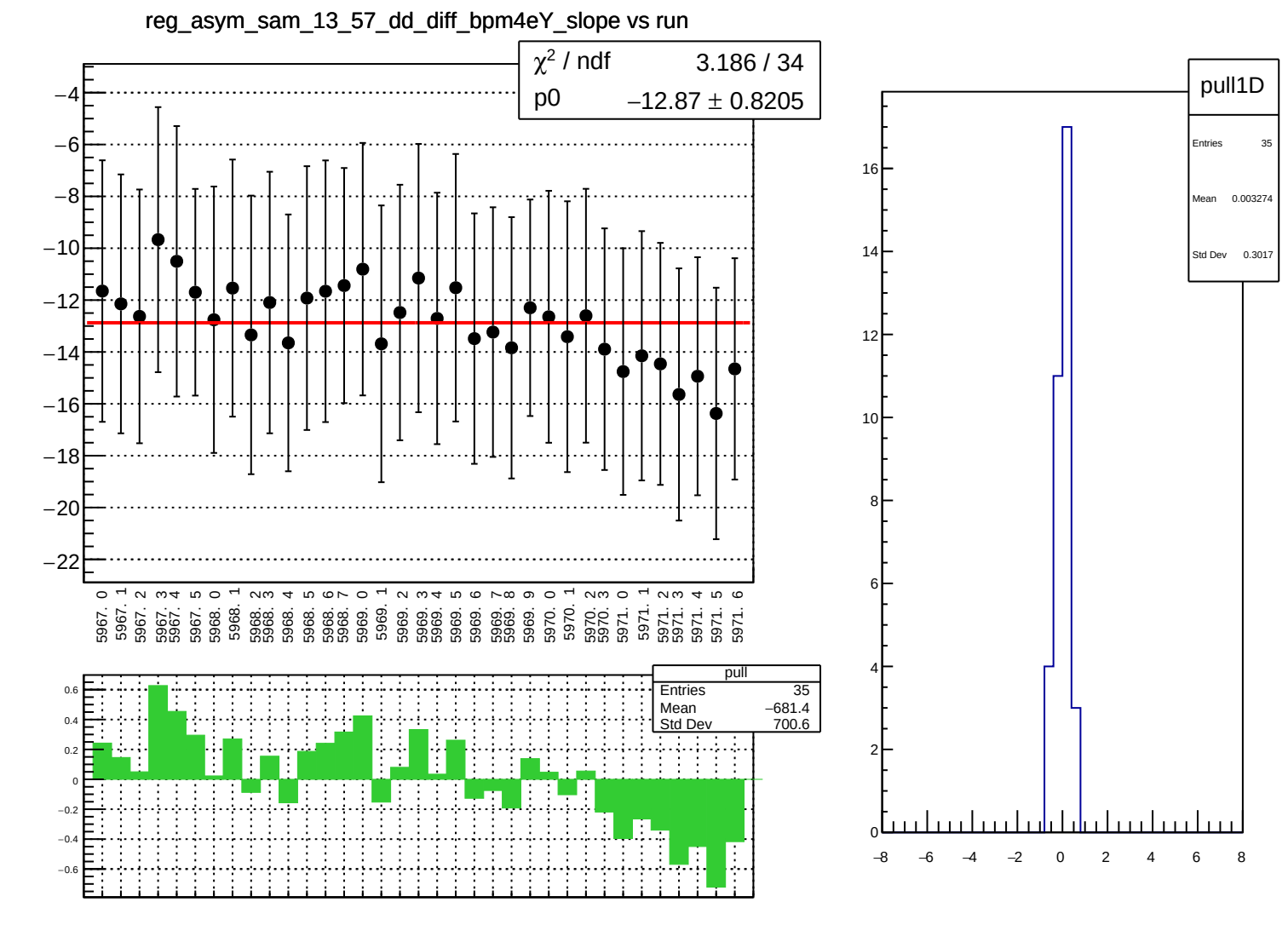

pull1D
Entries 35
Mean 9.411e−05
Std Dev 0.1325
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

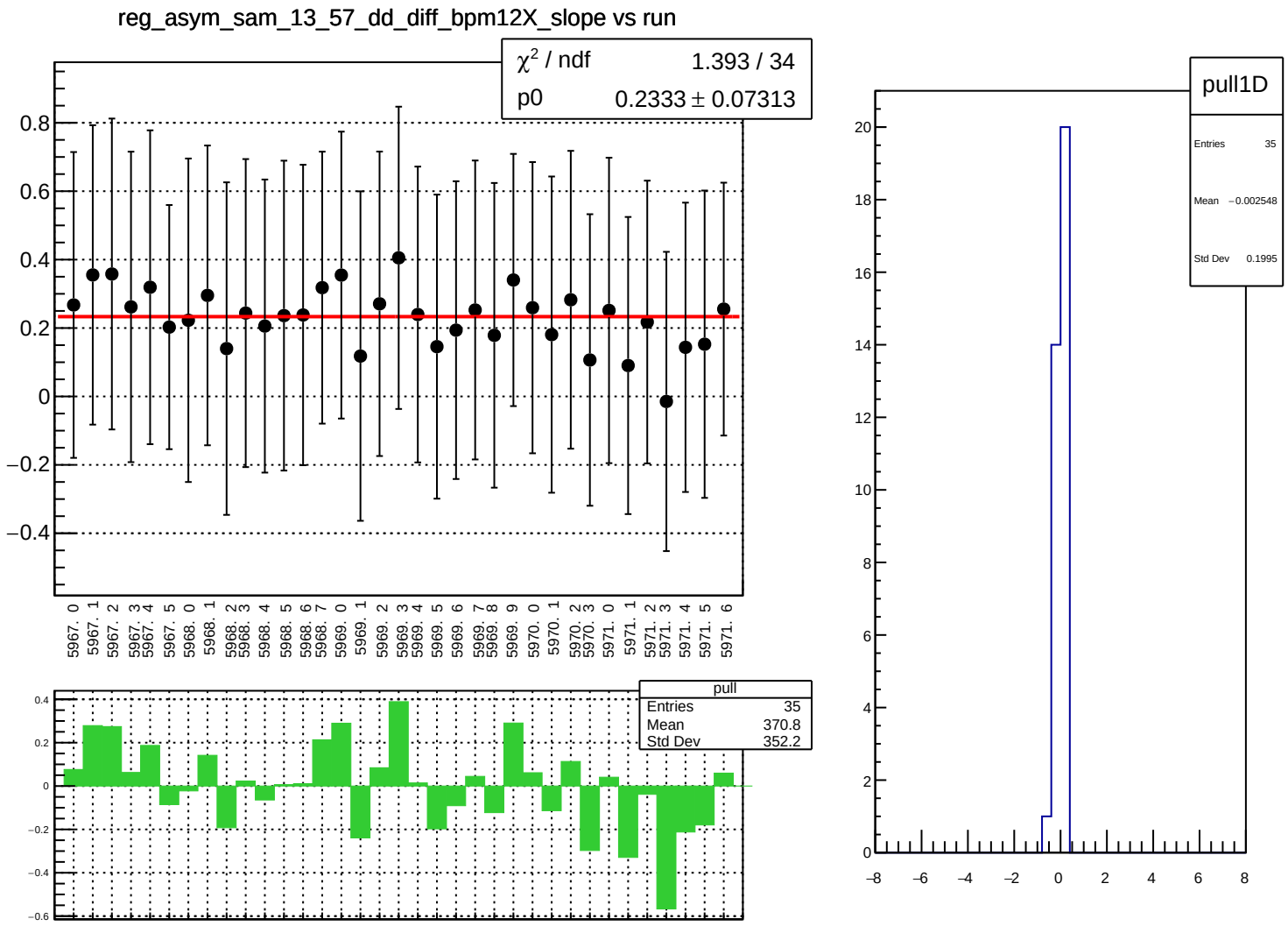

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.161 / 34
p0 −29.57 ± 0.6313
−24
−26
−28
−30
−32
−34
−36
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −2691
Std Dev 2710
0.4
0.2
0
−0.2
−0.4
−0.6

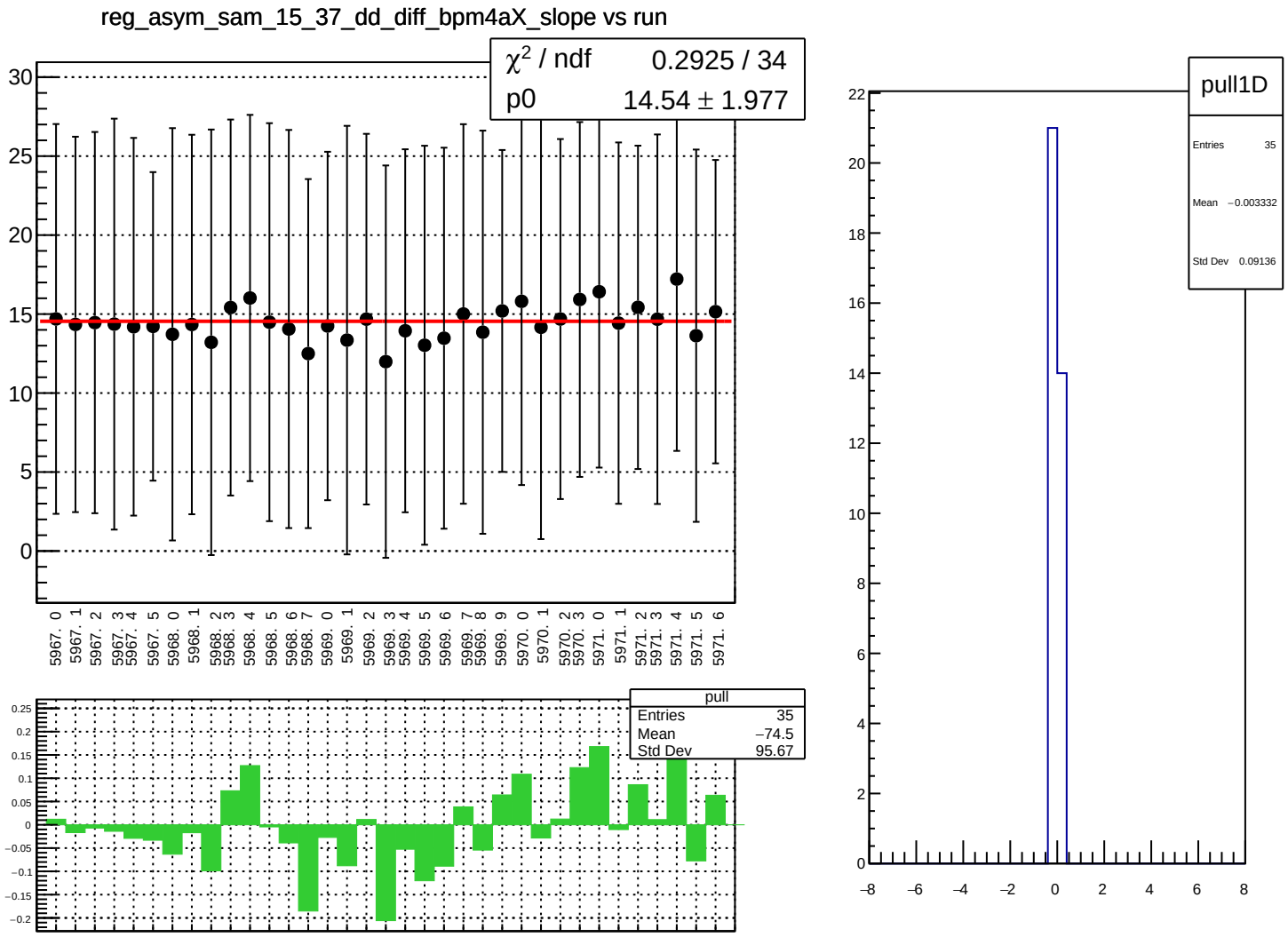

pull1D
Entries 35
Mean −0.0006774
Std Dev 0.2485
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

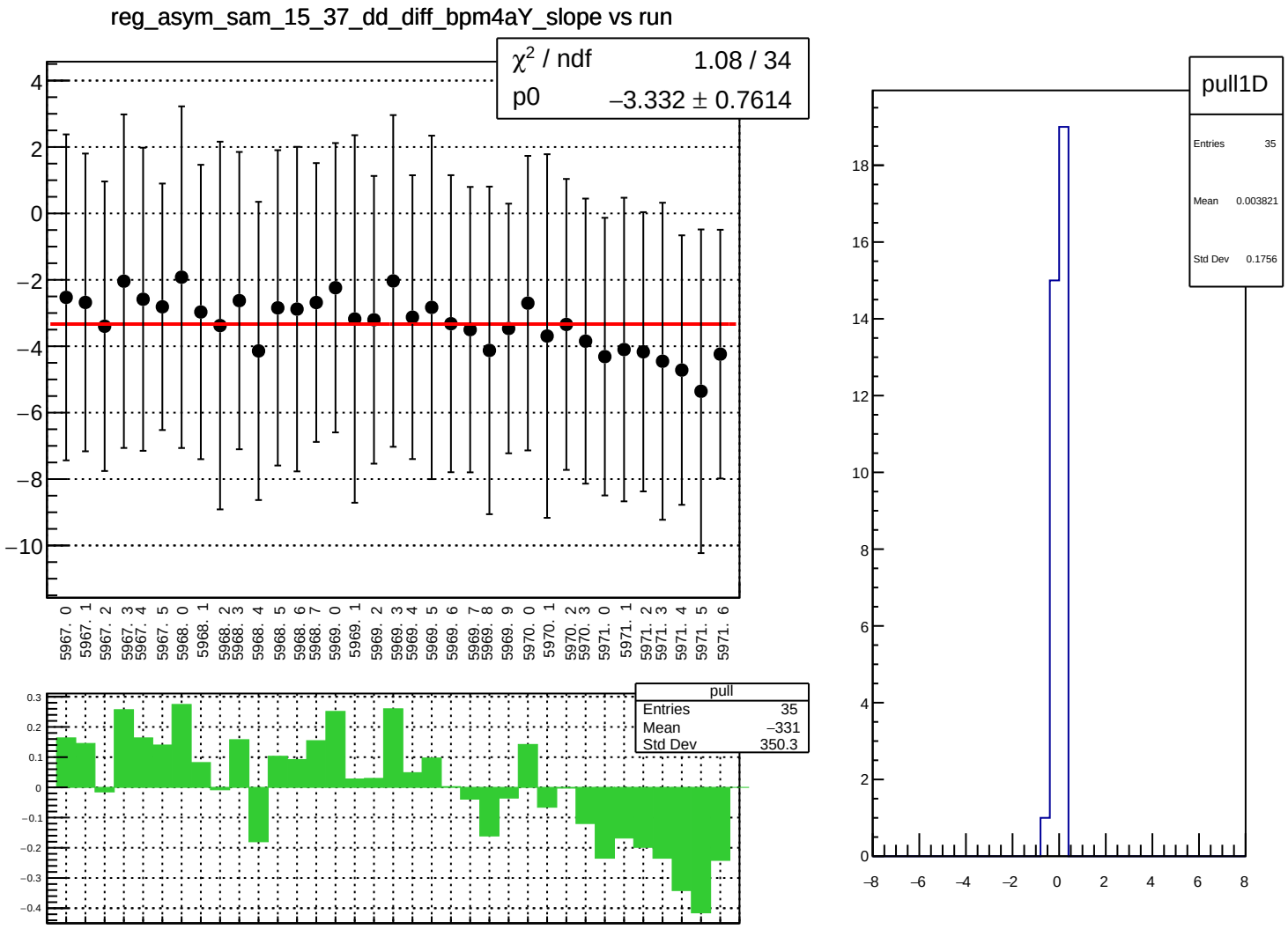

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7485 / 34
p0 5.459 ± 1.741
pull
Entries 35
Mean −1.275e+04
Std Dev 1.278e+04

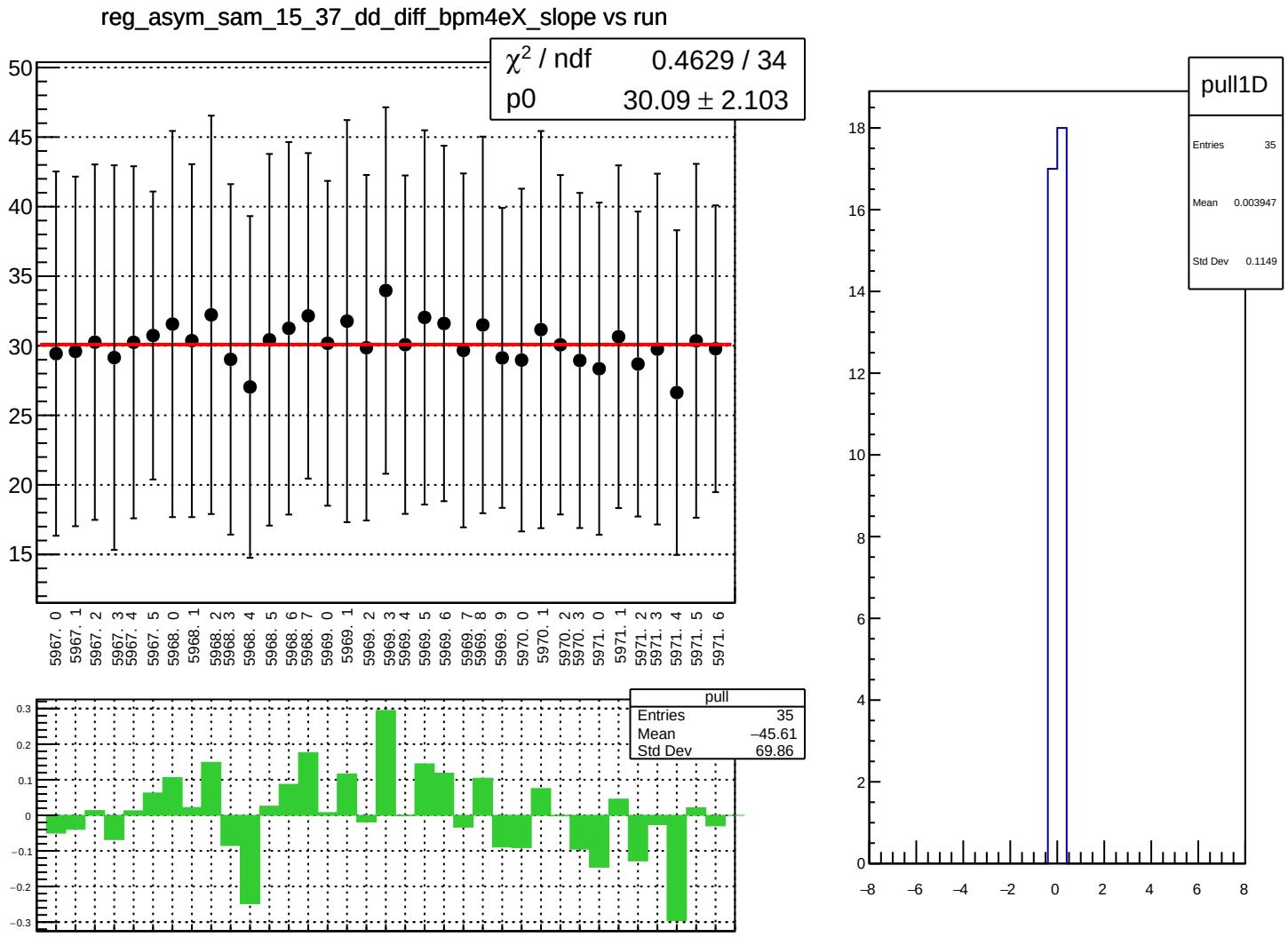

pull1D
Entries 35
Mean −2.199e−05
Std Dev 0.1462

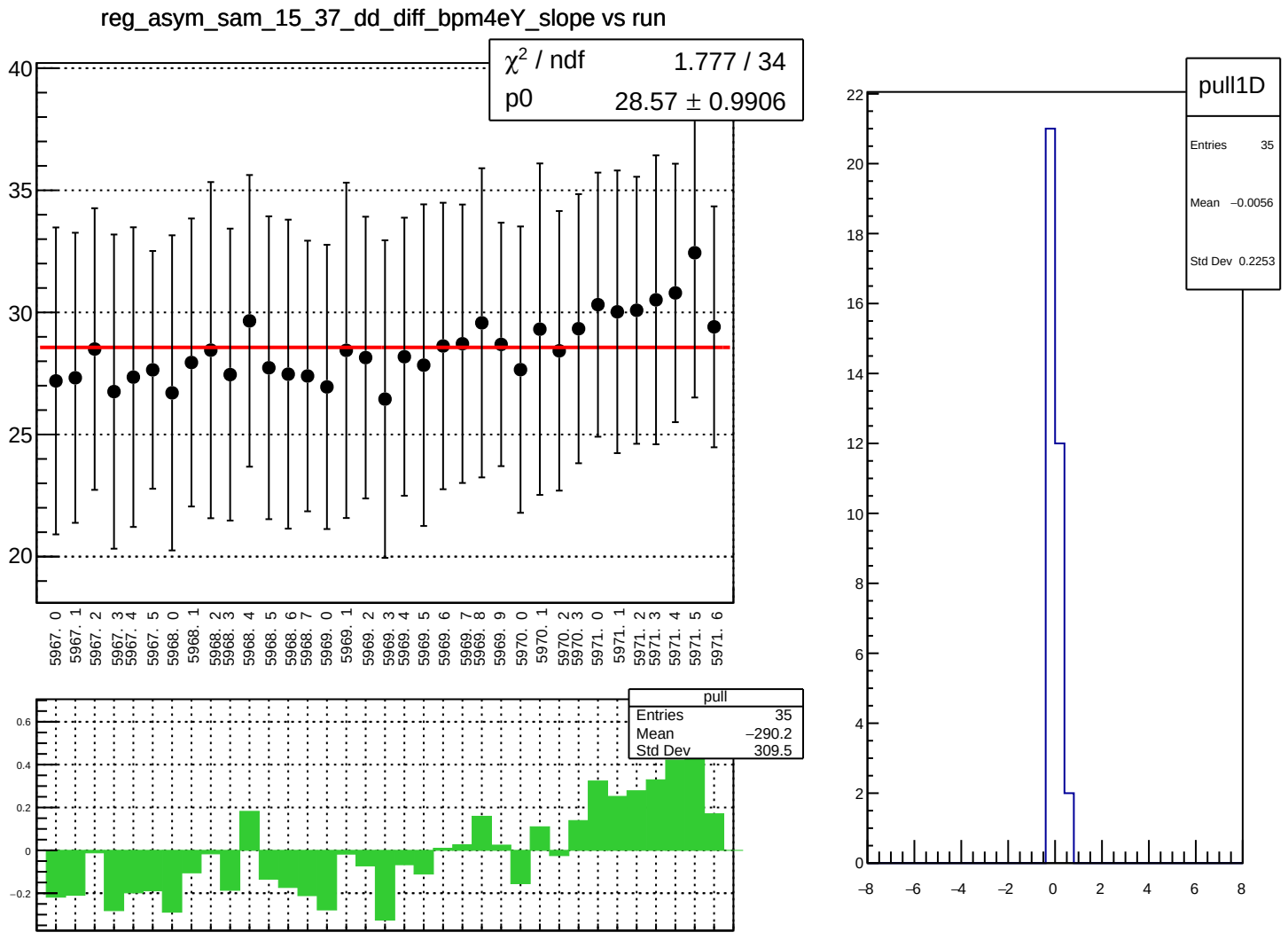

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.186 / 34
p0 −12.87 ± 0.8205
pull
Entries 35
Mean −681.4
Std Dev 700.6
pull1D
Entries 35
Mean 0.003274
Std Dev 0.3017

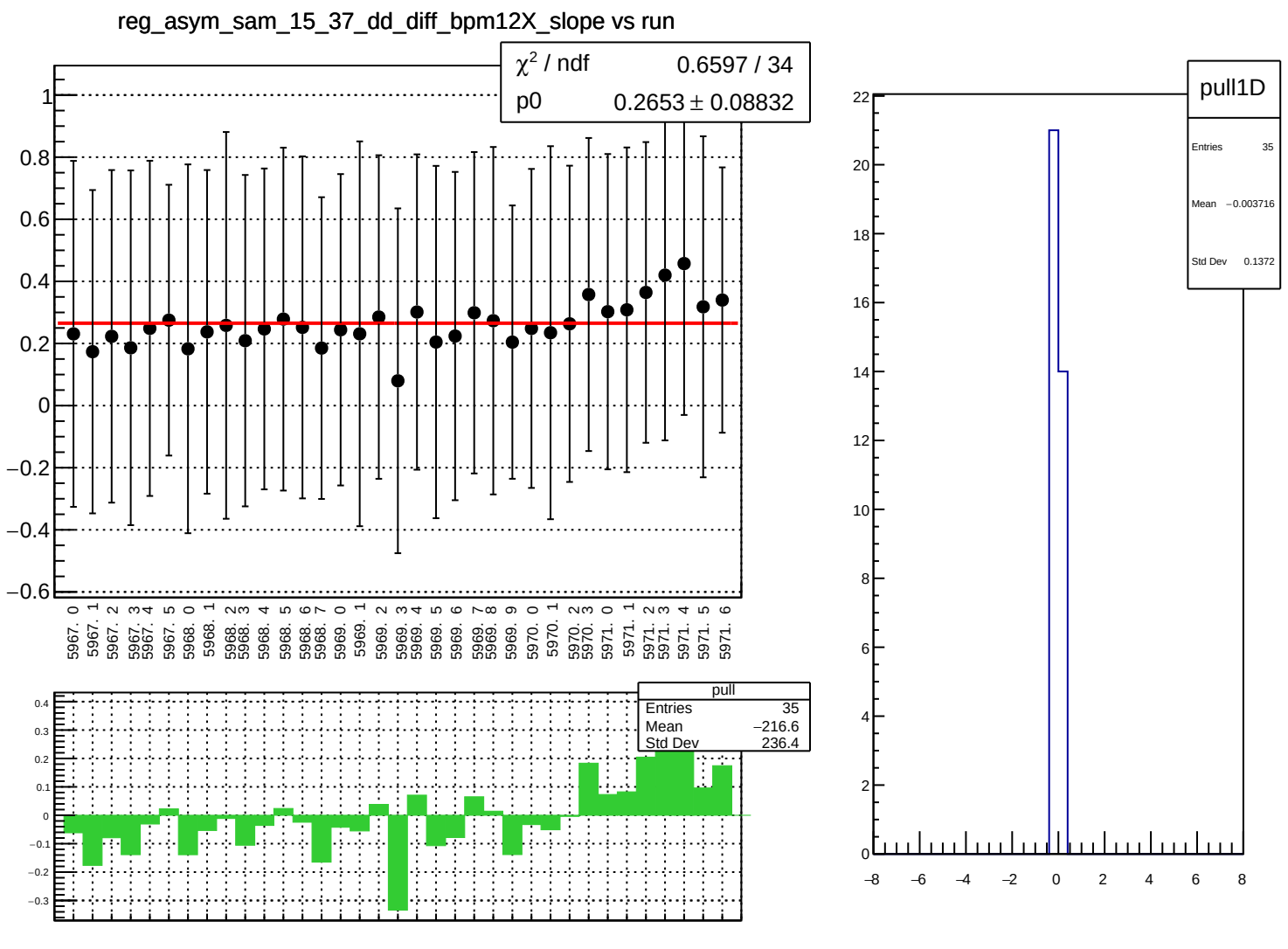

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.393 / 34
p0 0.2333 ± 0.07313
pull
Entries 35
Mean 370.8
Std Dev 352.2
pull1D
Entries 35
Mean −0.002548
Std Dev 0.1995

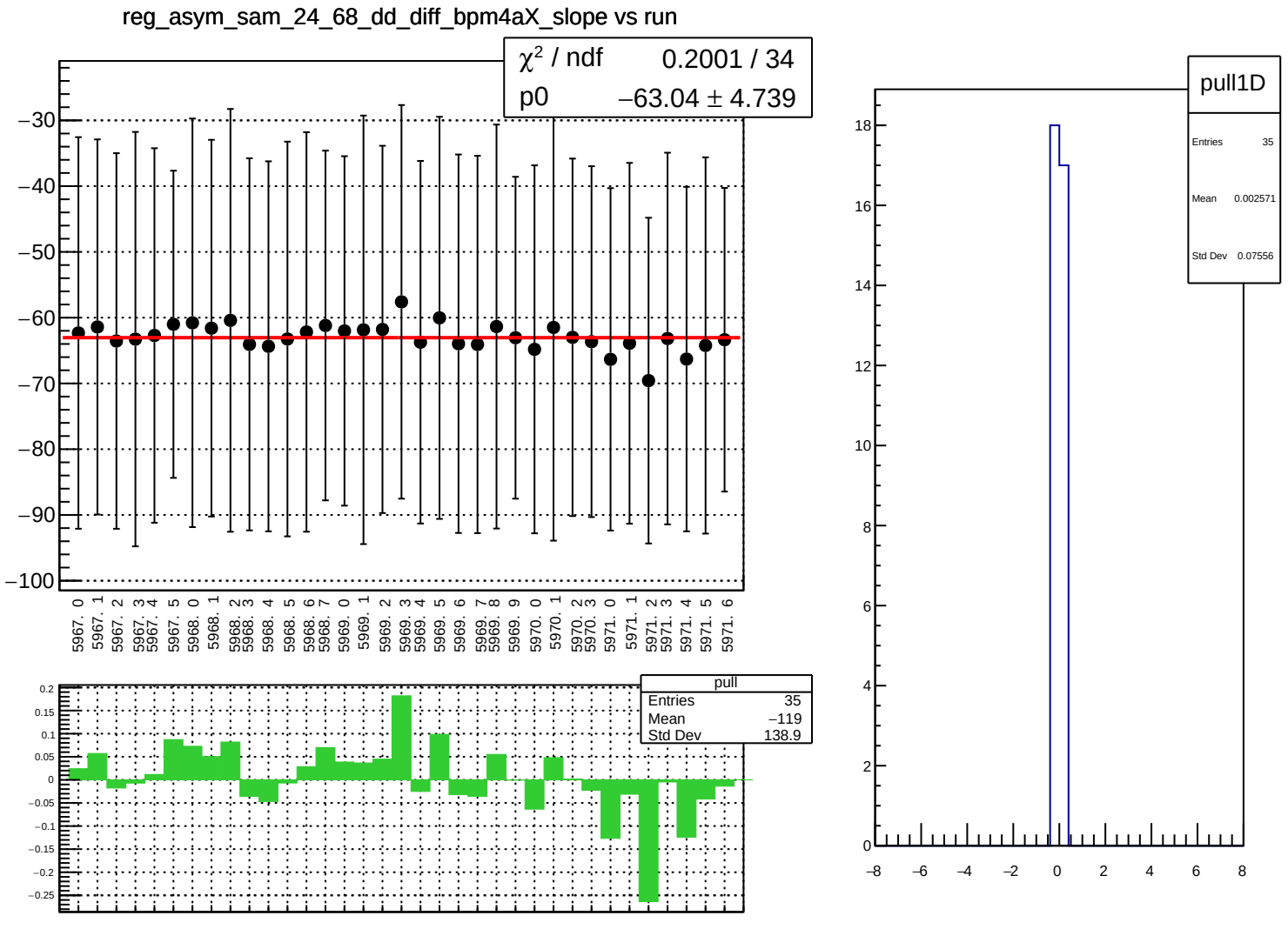

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.2925 / 34
p0 14.54 ± 1.977
pull
Entries 35
Mean −74.5
Std Dev 95.67
pull1D
Entries 35
Mean −0.003332
Std Dev 0.09136

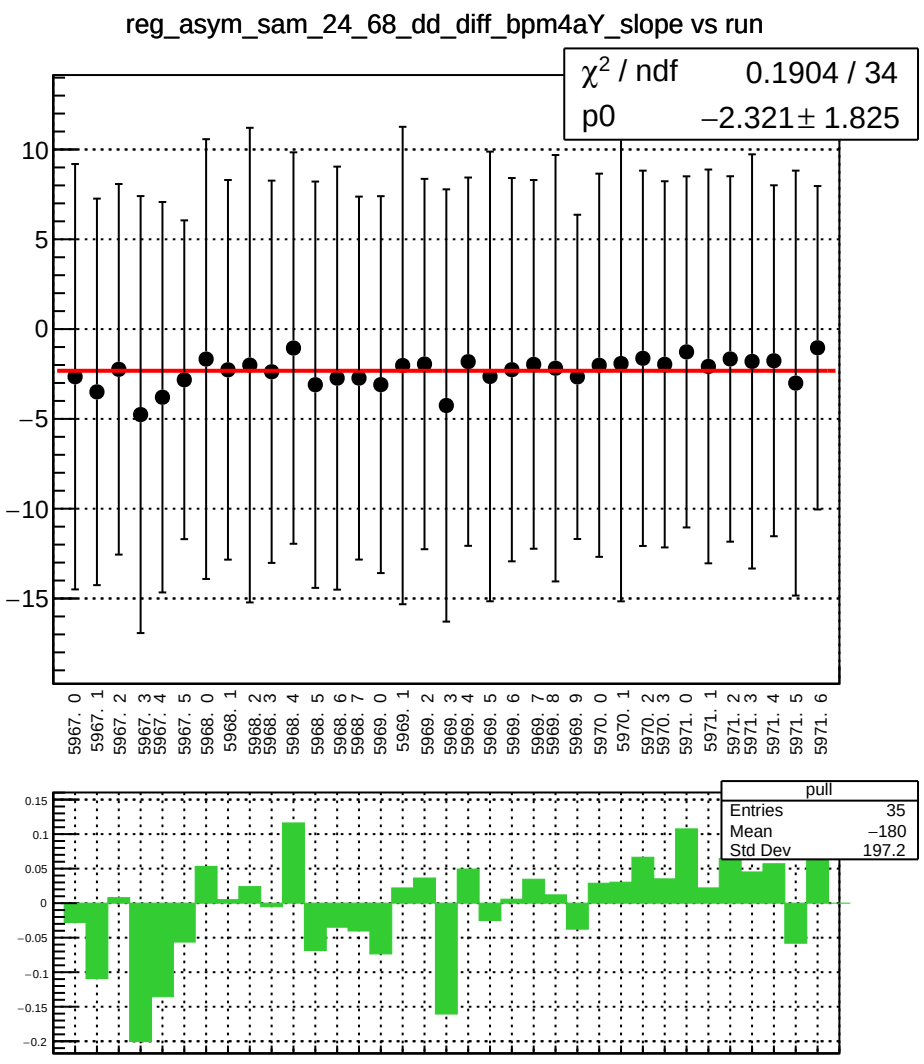

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.08 / 34
p0 −3.332 ± 0.7614
pull
Entries 35
Mean −331
Std Dev 350.3
pull1D
Entries 35
Mean 0.003821
Std Dev 0.1756

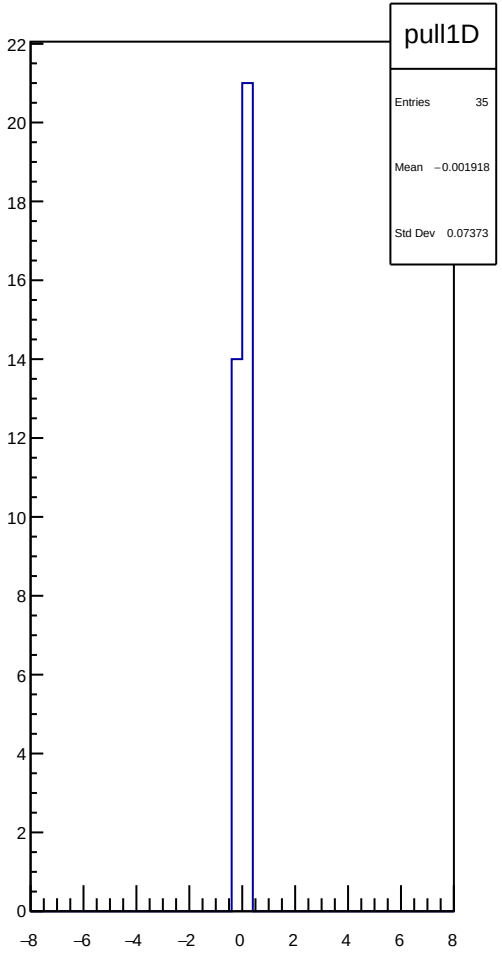

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.4629 / 34
p0 30.09 ± 2.103
pull
Entries 35
Mean −45.61
Std Dev 69.86
pull1D
Entries 35
Mean 0.003947
Std Dev 0.1149

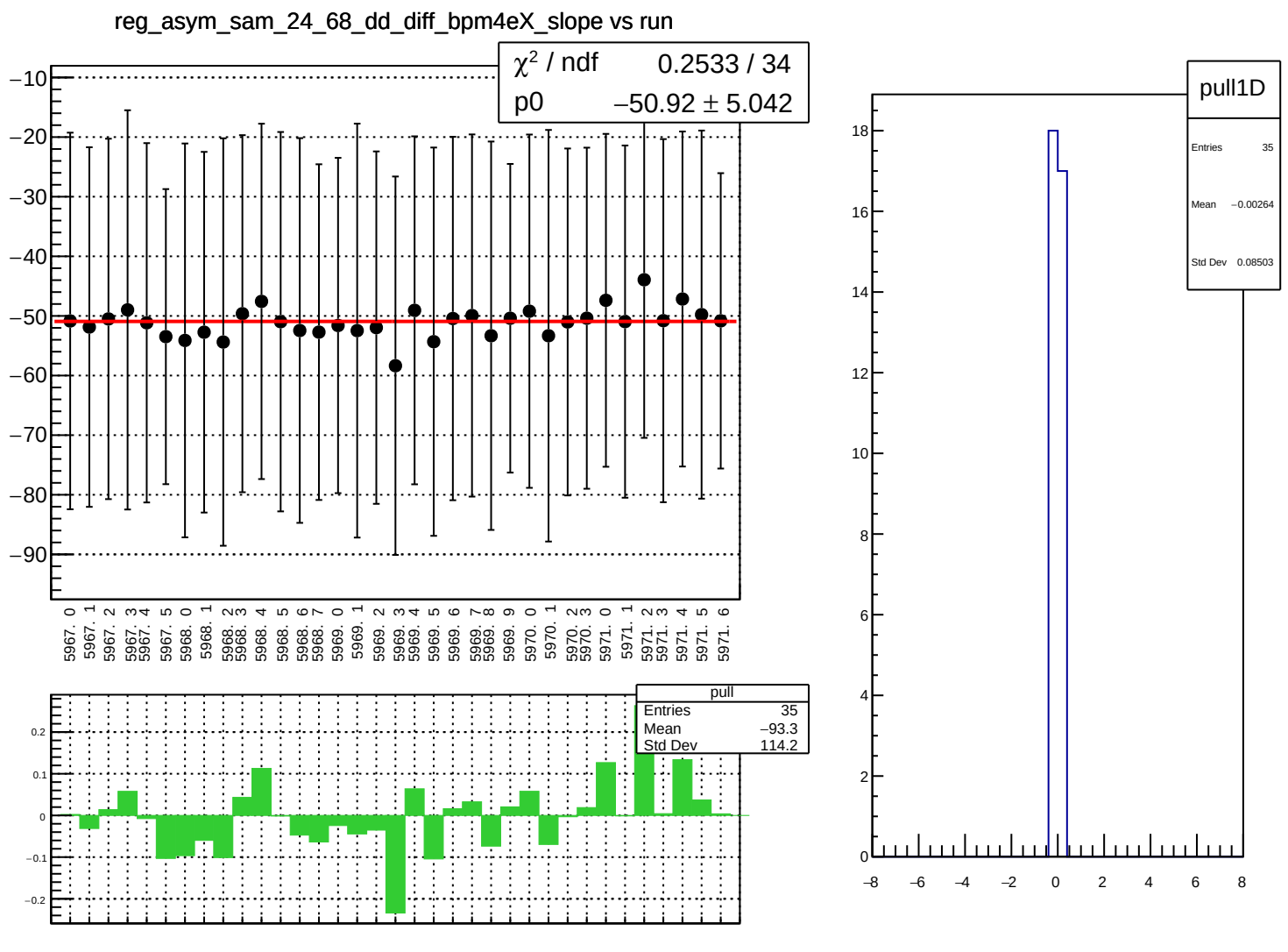

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.777 / 34
p0 28.57 ± 0.9906
pull
Entries 35
Mean −290.2
Std Dev 309.5
pull1D
Entries 35
Mean −0.0056
Std Dev 0.2253

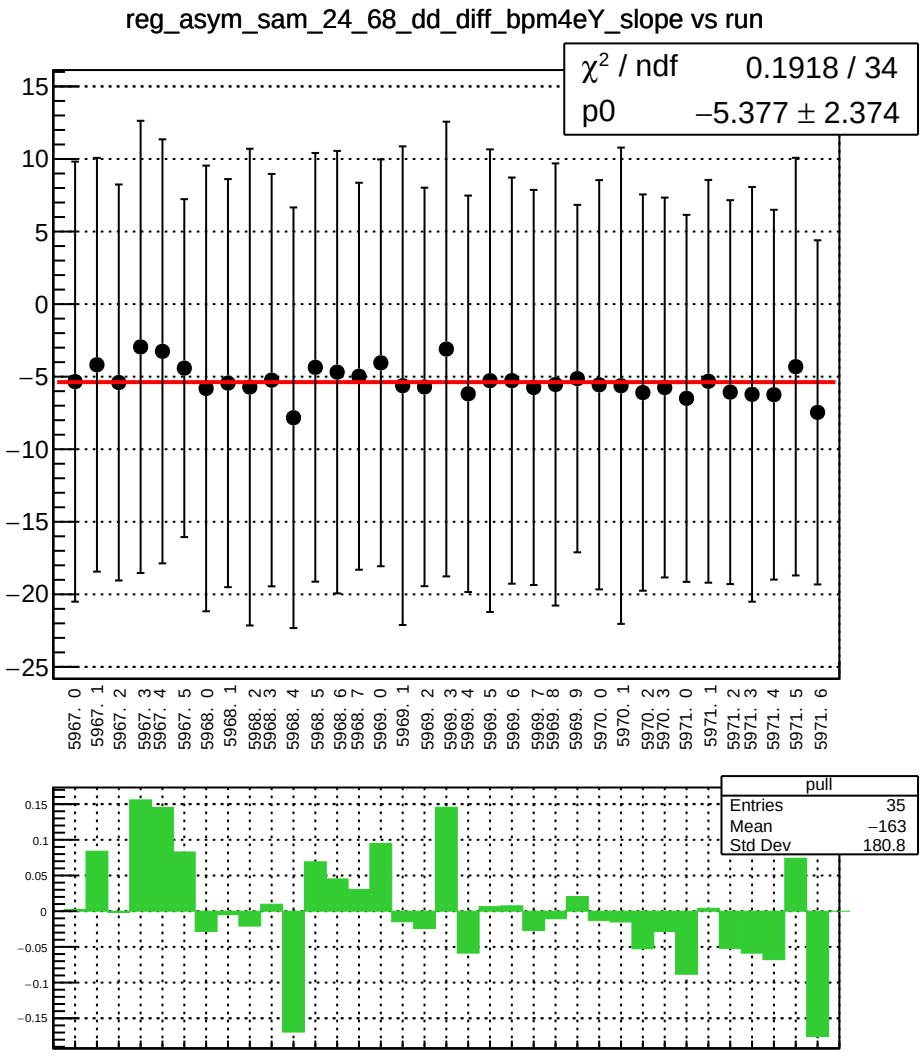

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6597 / 34
p0 0.2653 ± 0.08832
pull
Entries 35
Mean −216.6
Std Dev 236.4
pull1D
Entries 35
Mean −0.003716
Std Dev 0.1372

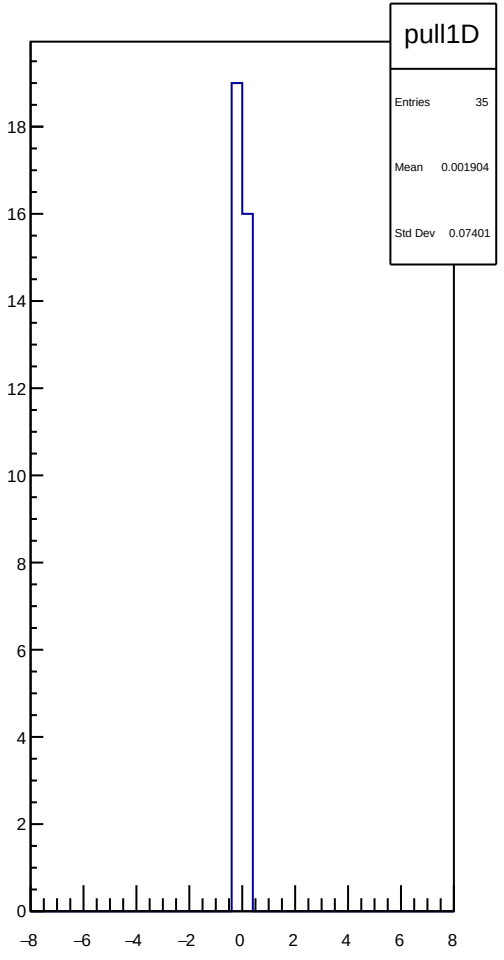

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.2001 / 34
p0 −63.04 ± 4.739
pull
Entries 35
Mean −119
Std Dev 138.9
pull1D
Entries 35
Mean 0.002571
Std Dev 0.07556

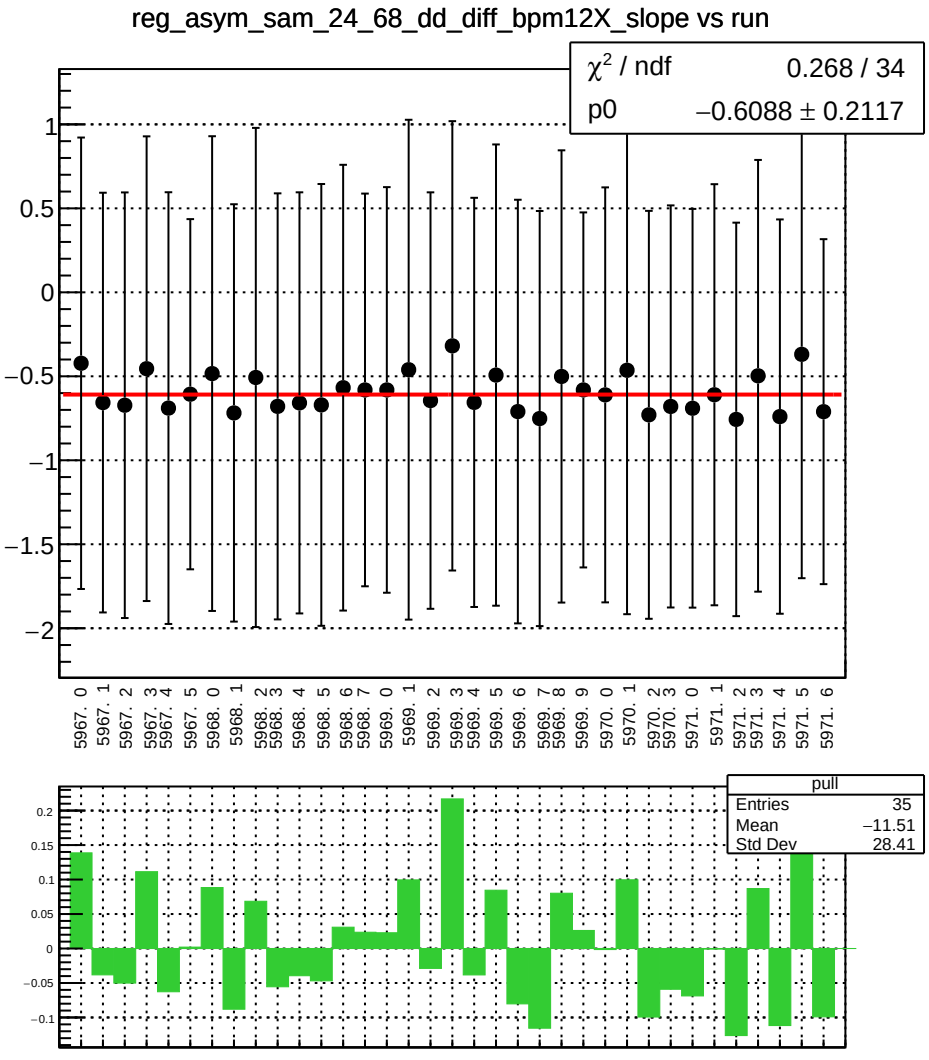

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.1904 / 34
p0 −2.321± 1.825
10
5
0
−5
−10
−15
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −180
Std Dev 197.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2

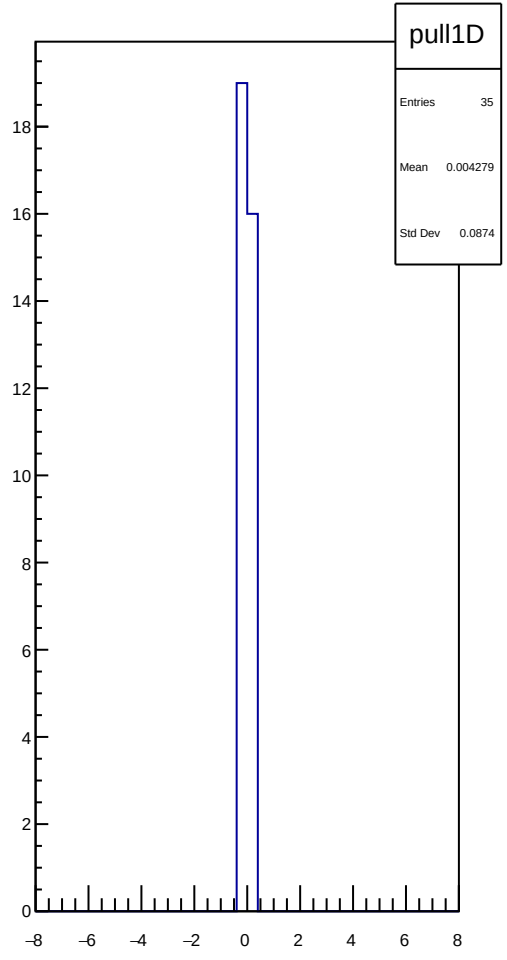

pull1D
Entries 35
Mean −0.001918
Std Dev 0.07373
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

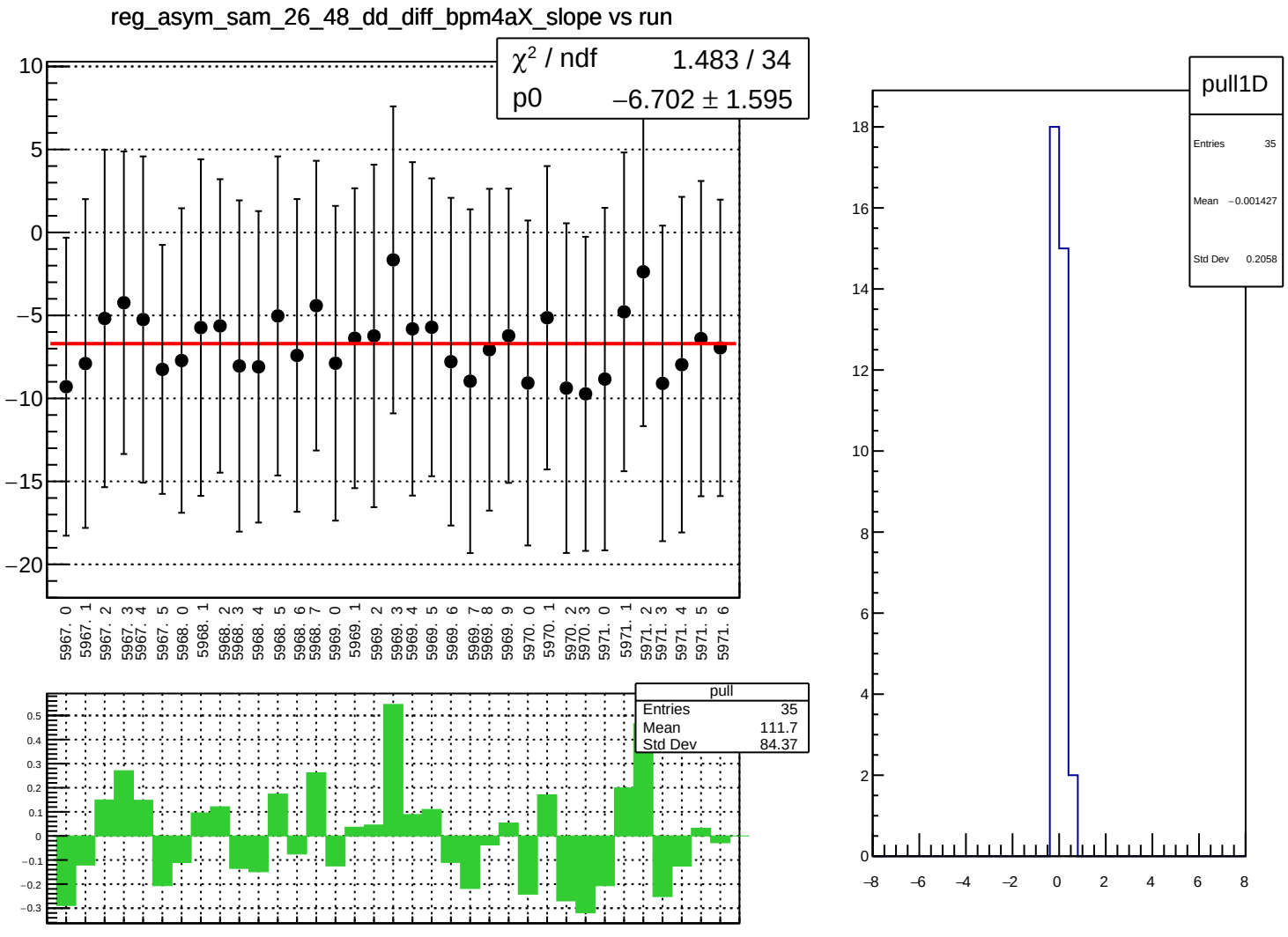

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.2533 / 34
p0 −50.92 ± 5.042
pull
Entries 35
Mean −93.3
Std Dev 114.2
pull1D
Entries 35
Mean −0.00264
Std Dev 0.08503

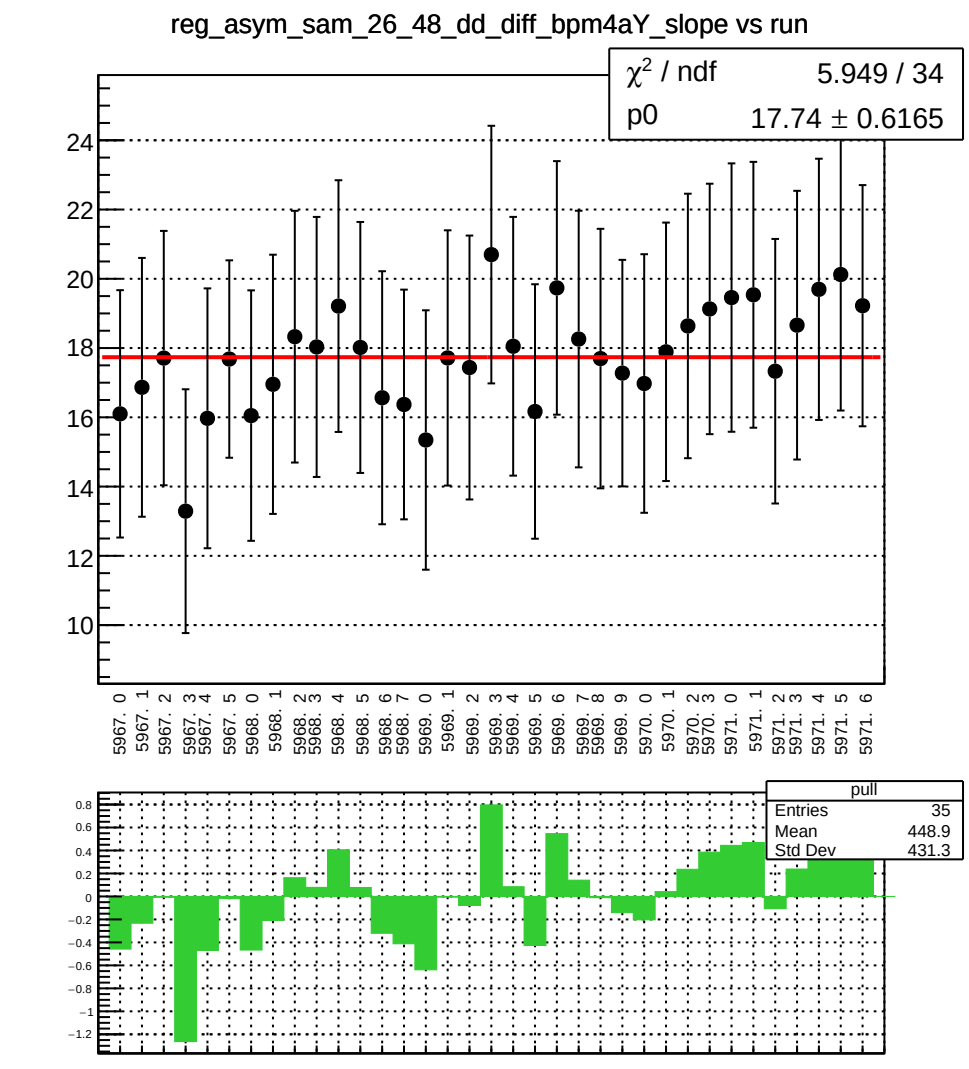

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.1918 / 34
p0 −5.377 ± 2.374
15
10
5
0
−5
−10
−15
−20
−25
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −163
Std Dev 180.8
0.15
0.1
0.05
0
−0.05
−0.1
−0.15

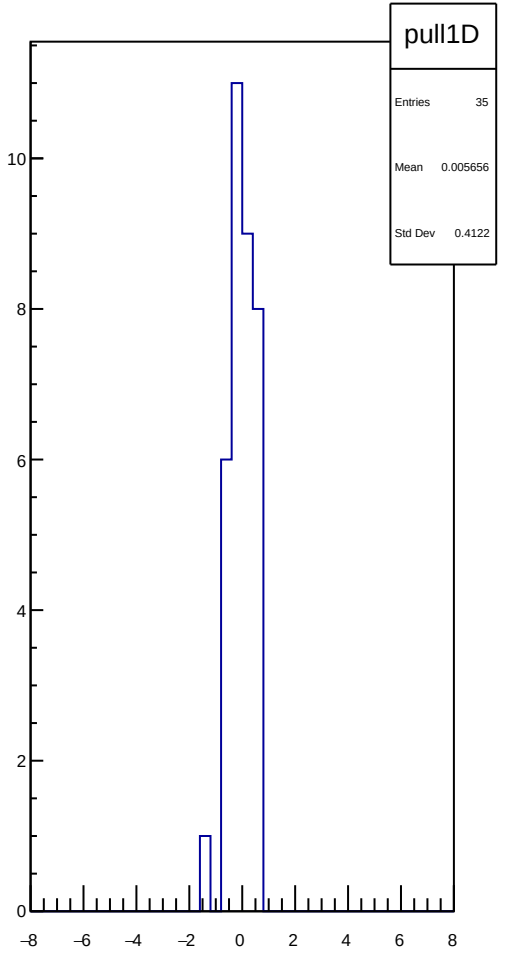

pull1D
Entries 35
Mean 0.001904
Std Dev 0.07401
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

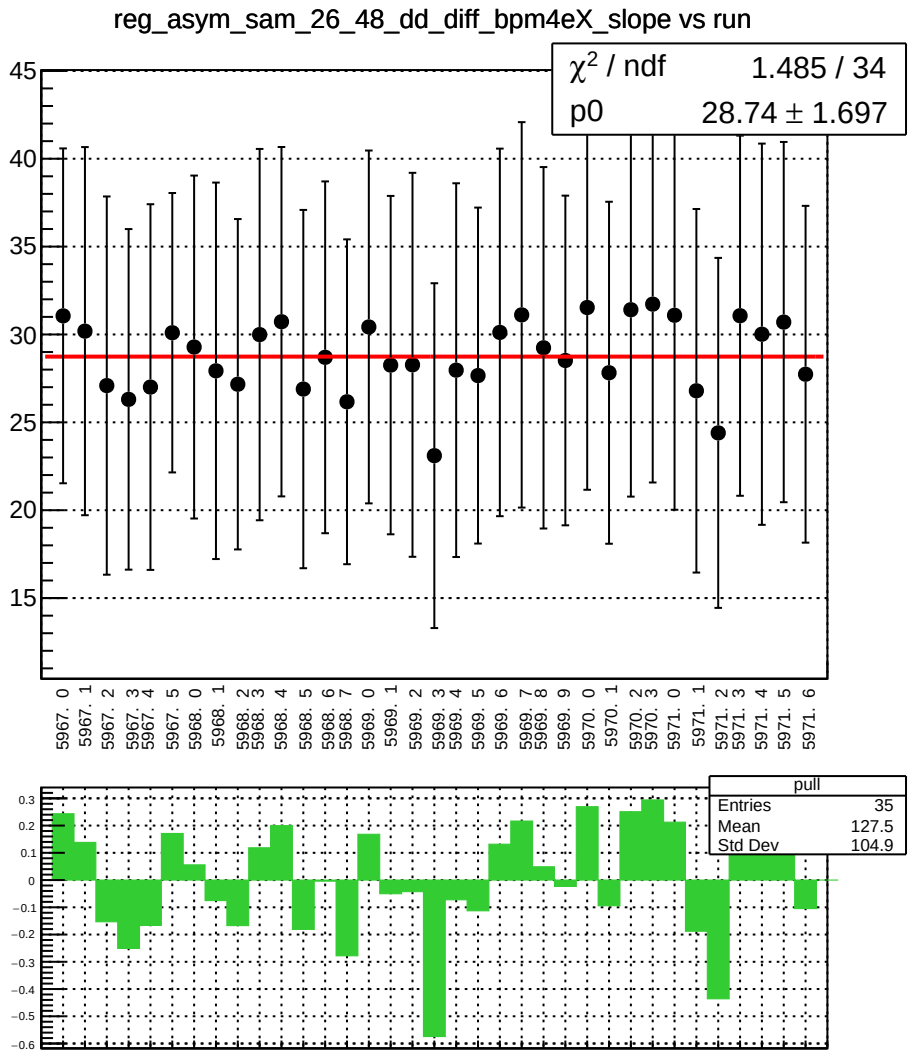

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.268 / 34
p0 −0.6088 ± 0.2117
pull
Entries 35
Mean −11.51
Std Dev 28.41

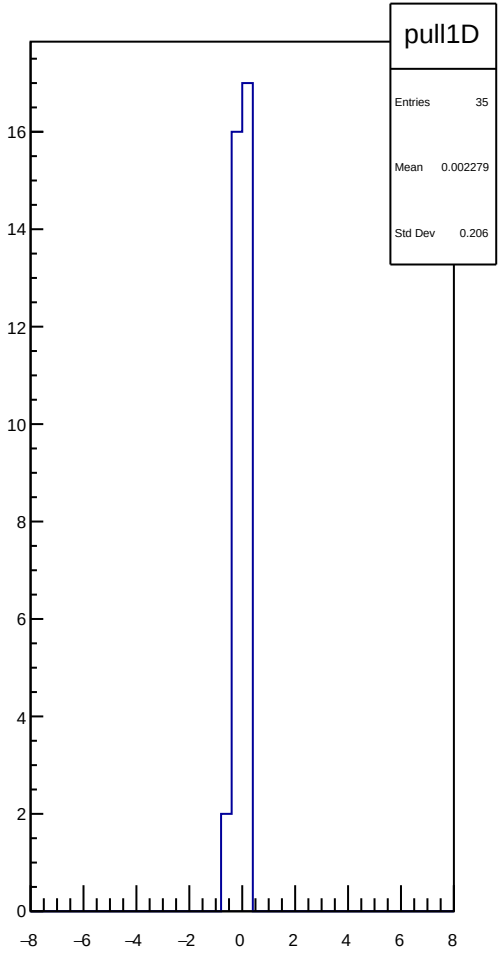

pull1D
Entries 35
Mean 0.004279
Std Dev 0.0874

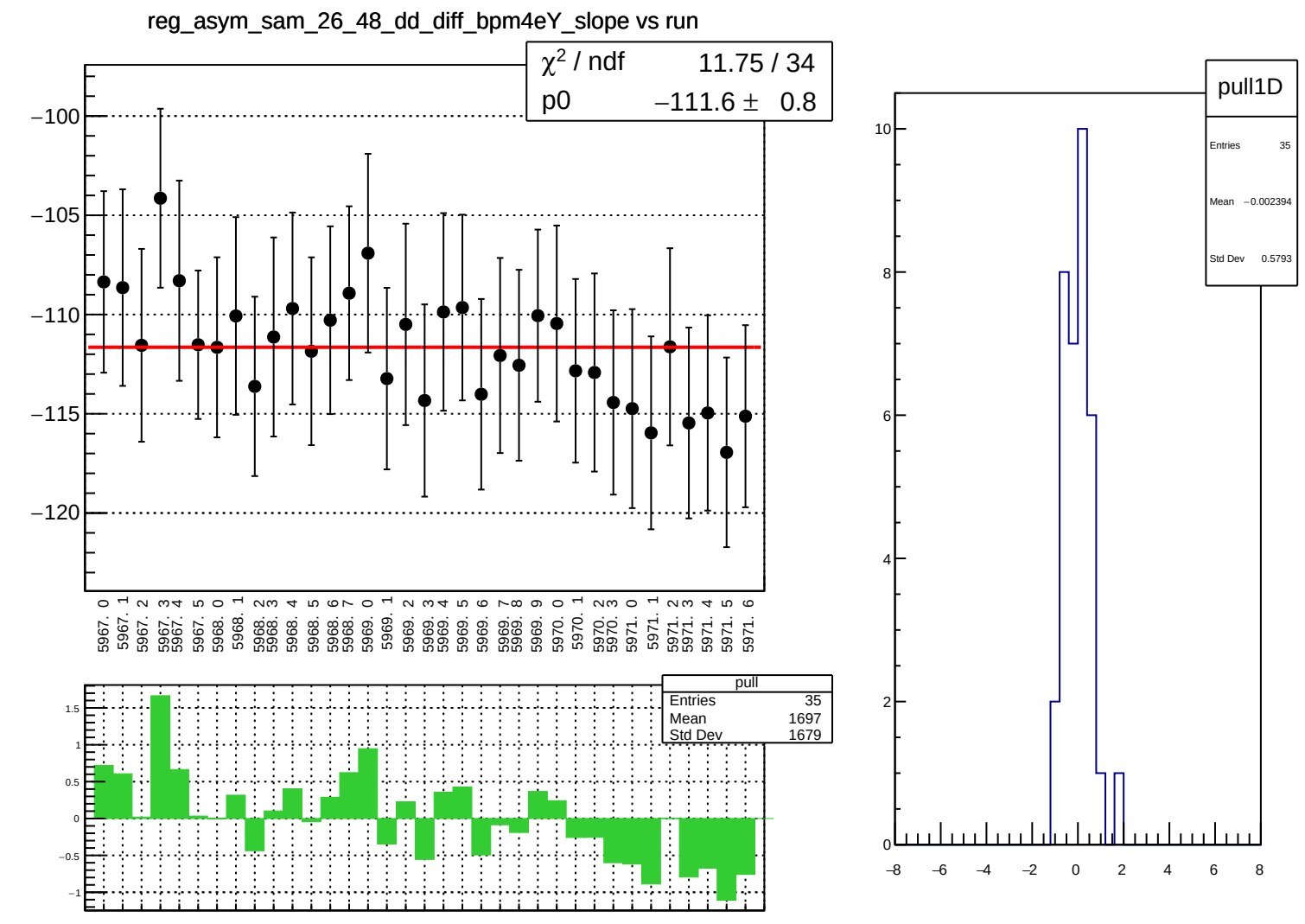

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.483 / 34
p0 −6.702 ± 1.595
pull
Entries 35
Mean 111.7
Std Dev 84.37
pull1D
Entries 35
Mean −0.001427
Std Dev 0.2058

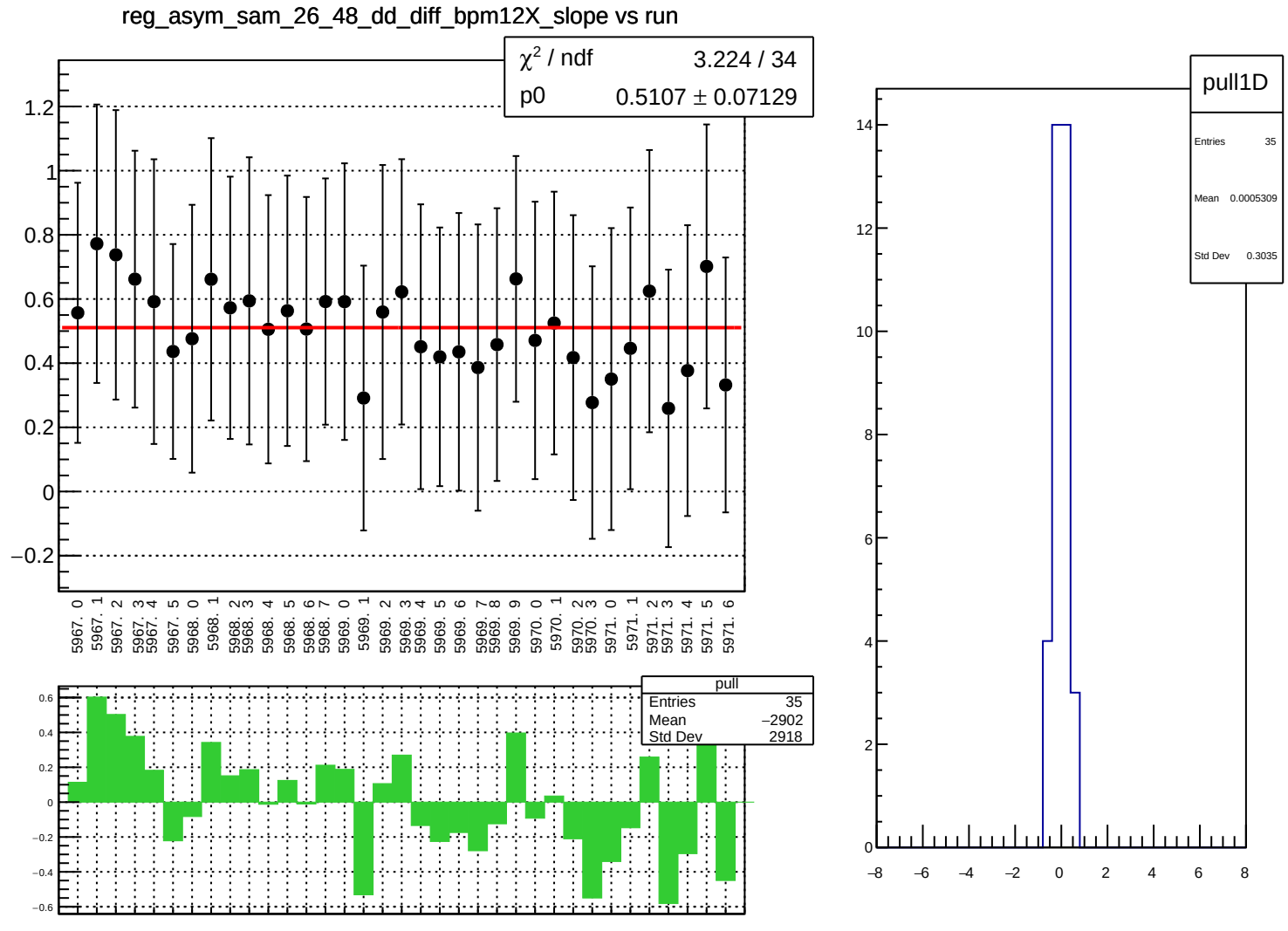

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.949 / 34
p0 17.74 ± 0.6165
pull
Entries 35
Mean 448.9
Std Dev 431.3

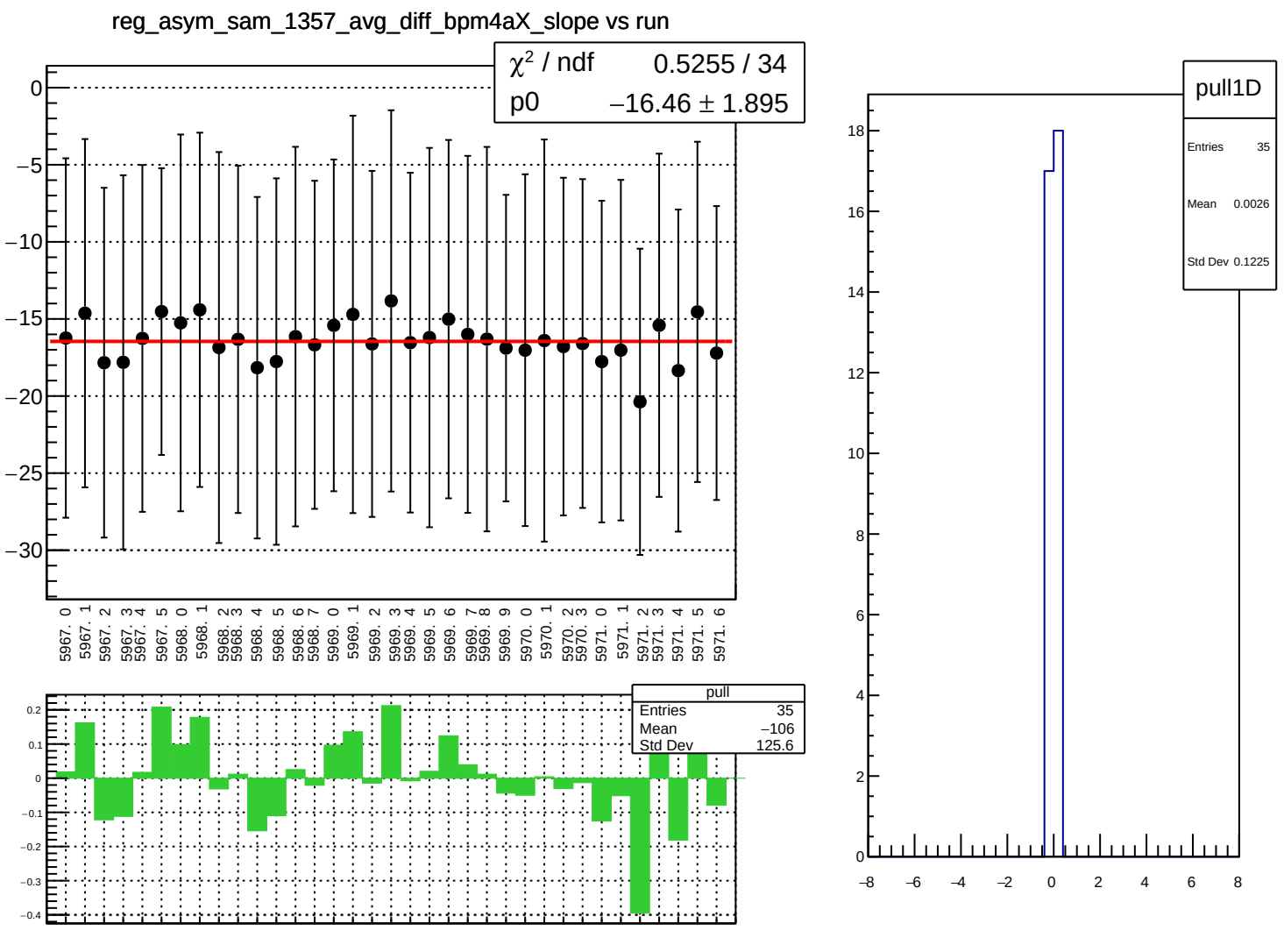

pull1D
Entries 35
Mean 0.005656
Std Dev 0.4122

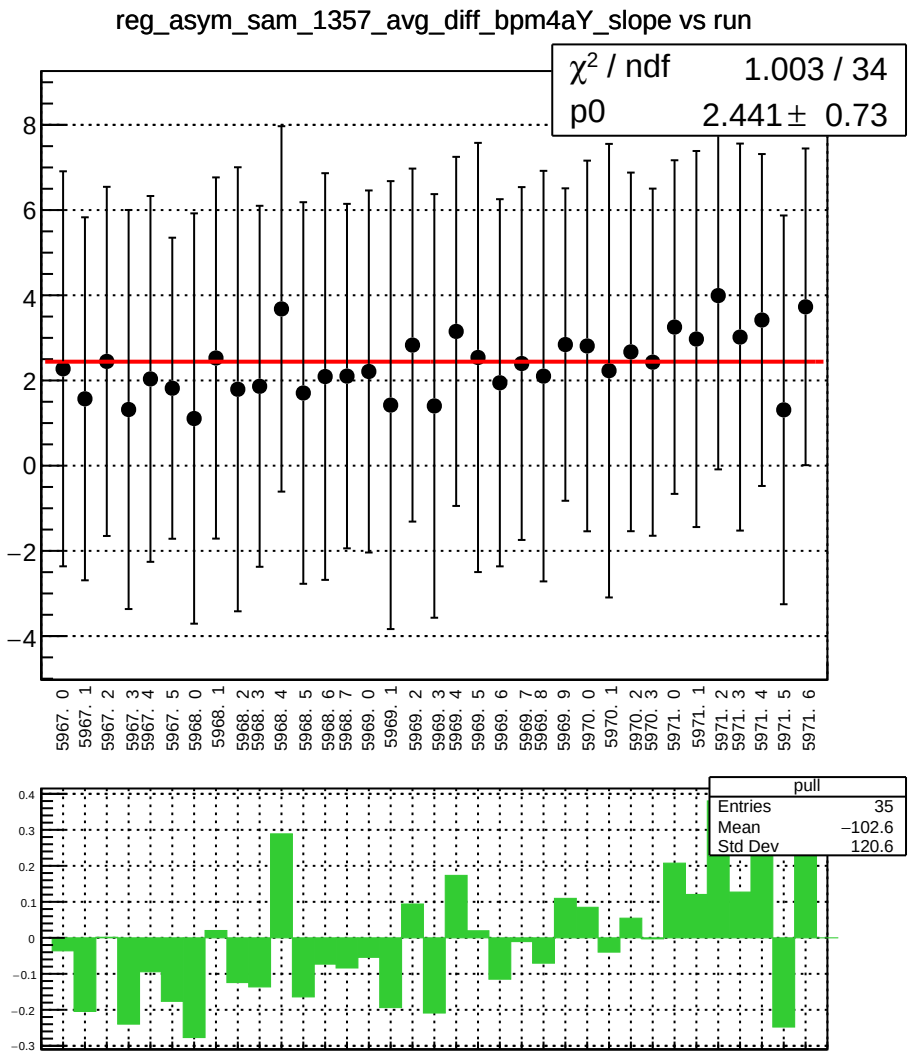

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.485 / 34
p0 28.74 ± 1.697
pull
Entries 35
Mean 127.5
Std Dev 104.9

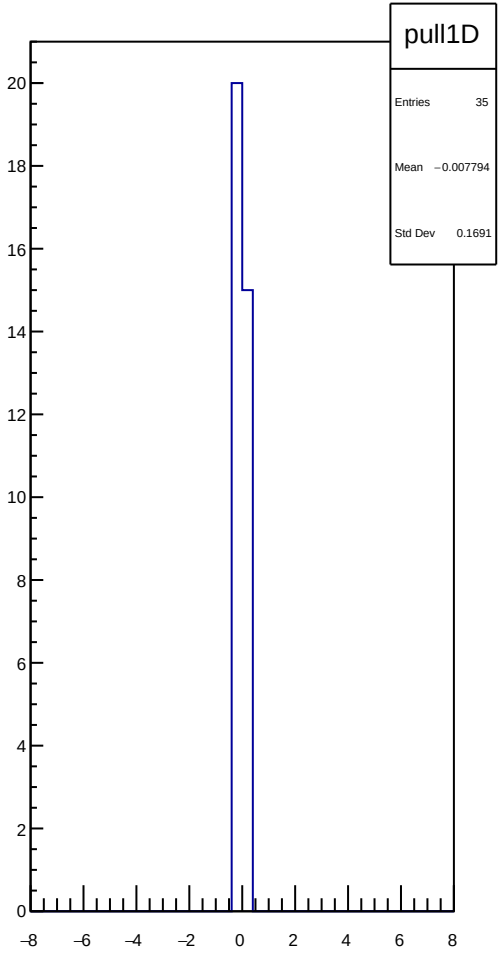

pull1D
Entries 35
Mean 0.002279
Std Dev 0.206

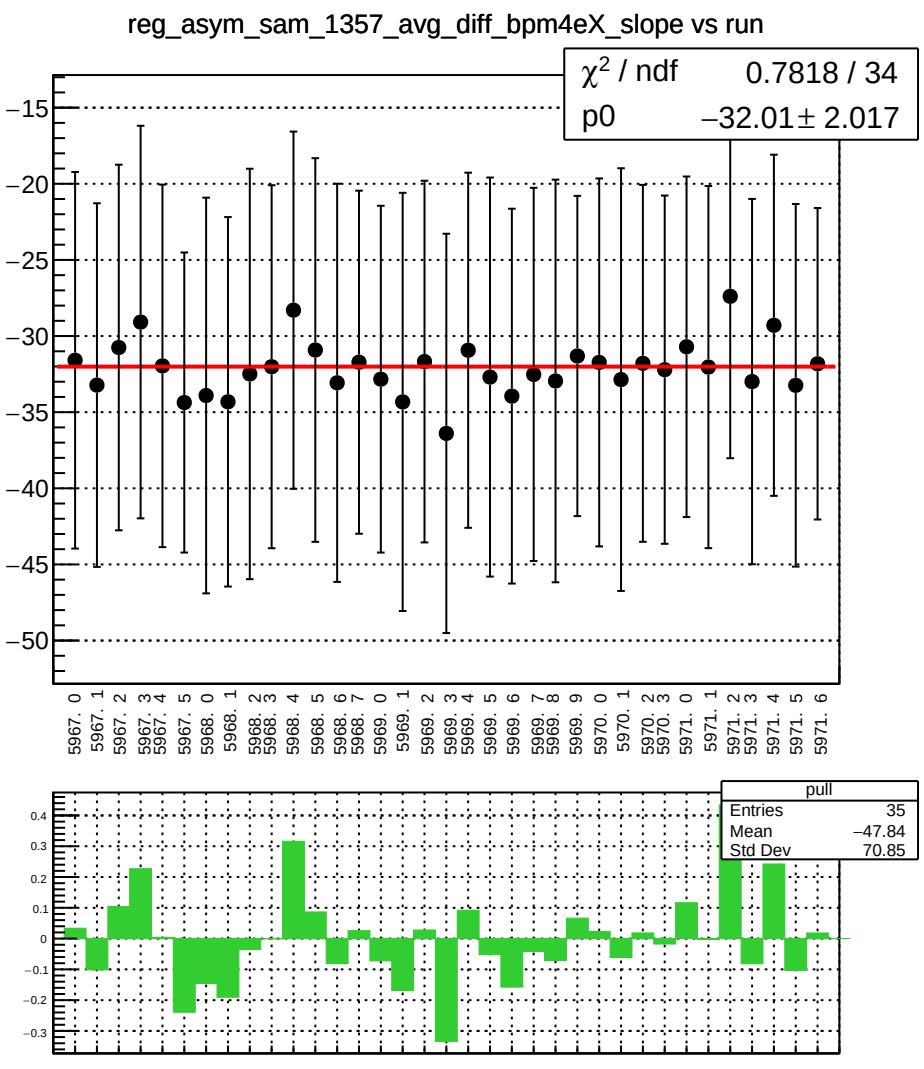

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.75 / 34
p0 −111.6 ± 0.8
−100
−105
−110
−115
−120
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1697
Std Dev 1679
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.002394
Std Dev 0.5793
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

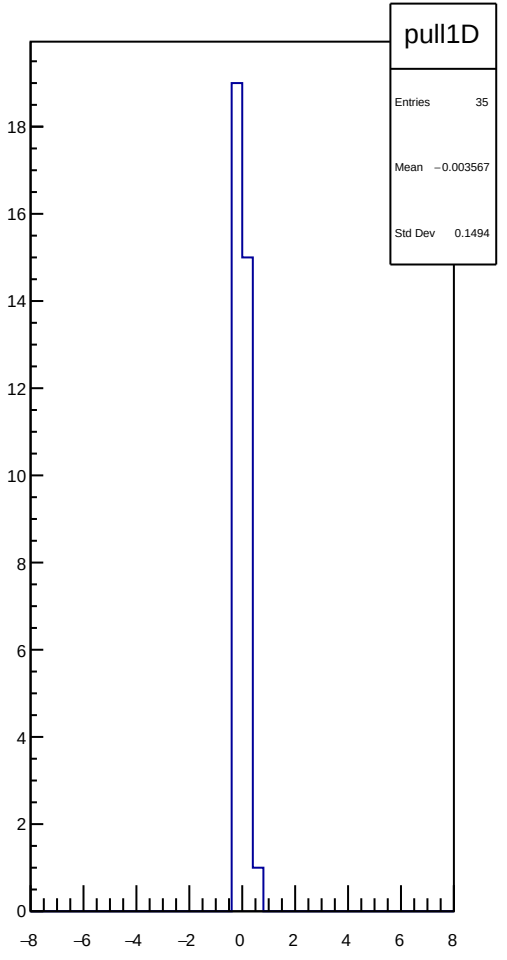

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.224 / 34
p0 0.5107 ± 0.07129
pull
Entries 35
Mean −2902
Std Dev 2918
pull1D
Entries 35
Mean 0.0005309
Std Dev 0.3035

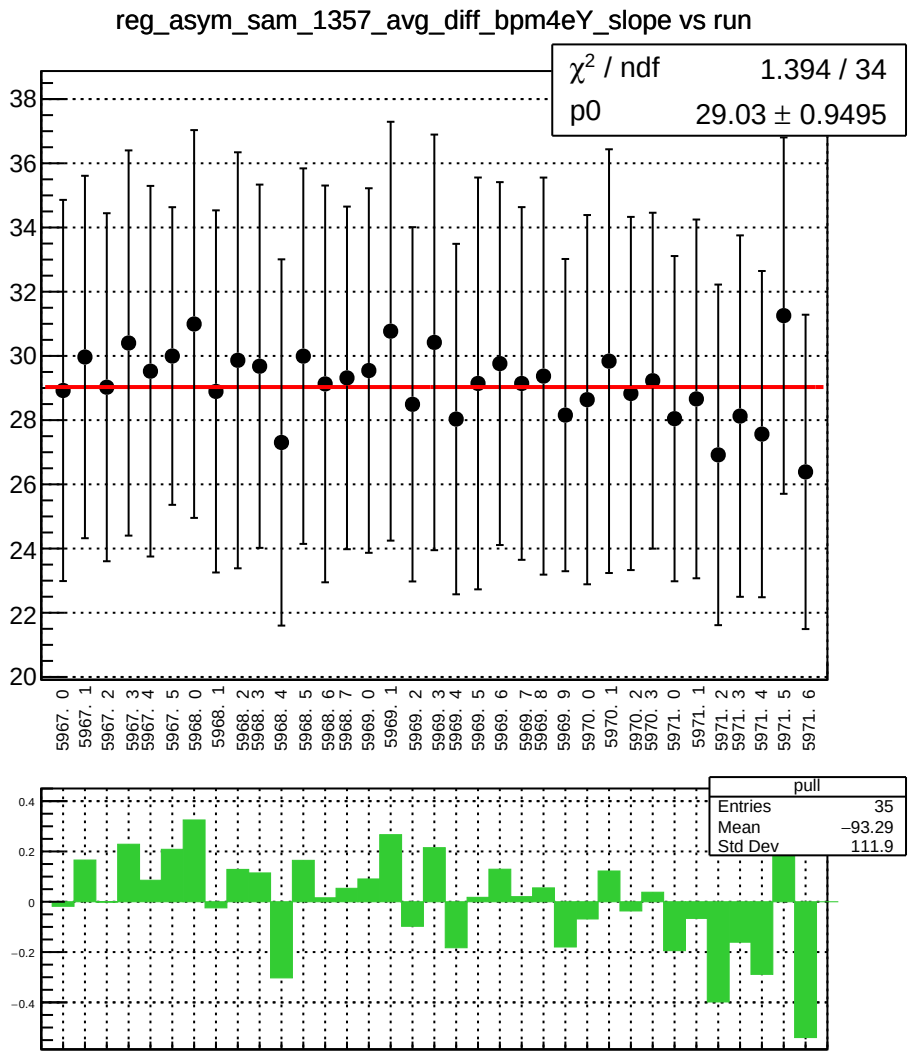

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.5255 / 34
p0 −16.46 ± 1.895
pull
Entries 35
Mean −106
Std Dev 125.6
pull1D
Entries 35
Mean 0.0026
Std Dev 0.1225

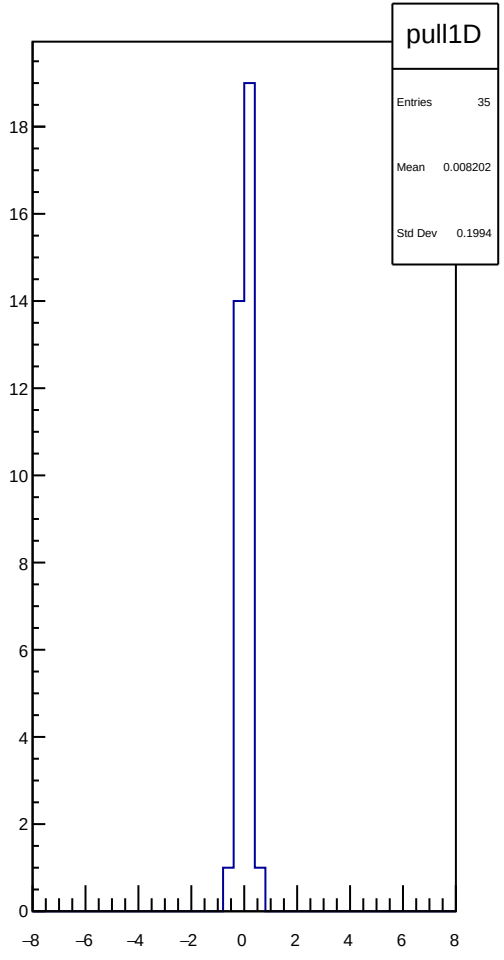

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.003 / 34
p0 2.441 ± 0.73
pull
Entries 35
Mean −102.6
Std Dev 120.6

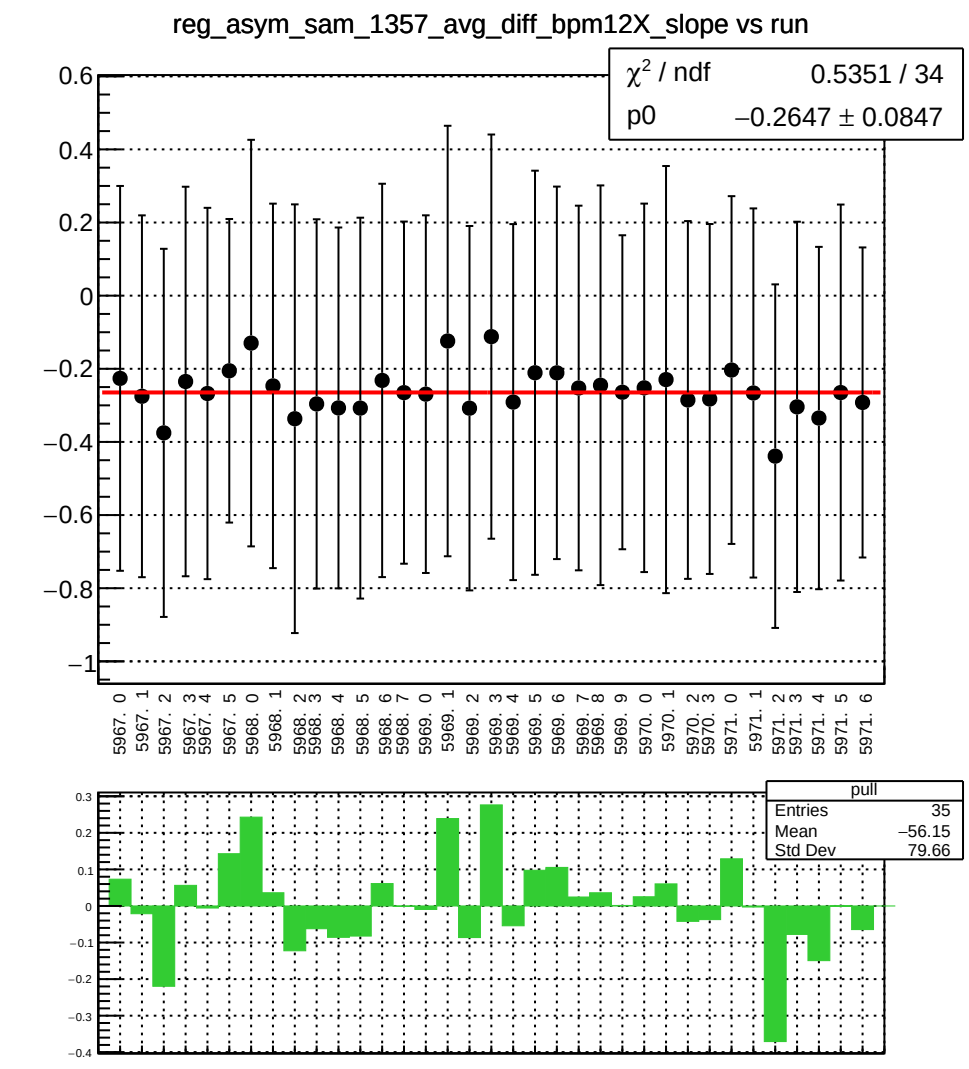

pull1D
Entries 35
Mean −0.007794
Std Dev 0.1691

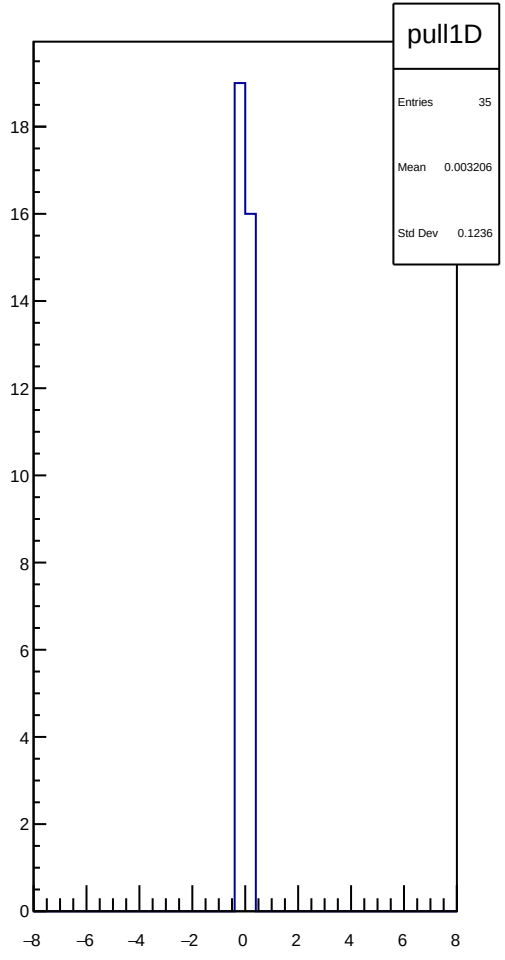

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.7818 / 34
p0 −32.01± 2.017
−15
−20
−25
−30
−35
−40
−45
−50
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −47.84
Std Dev 70.85
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

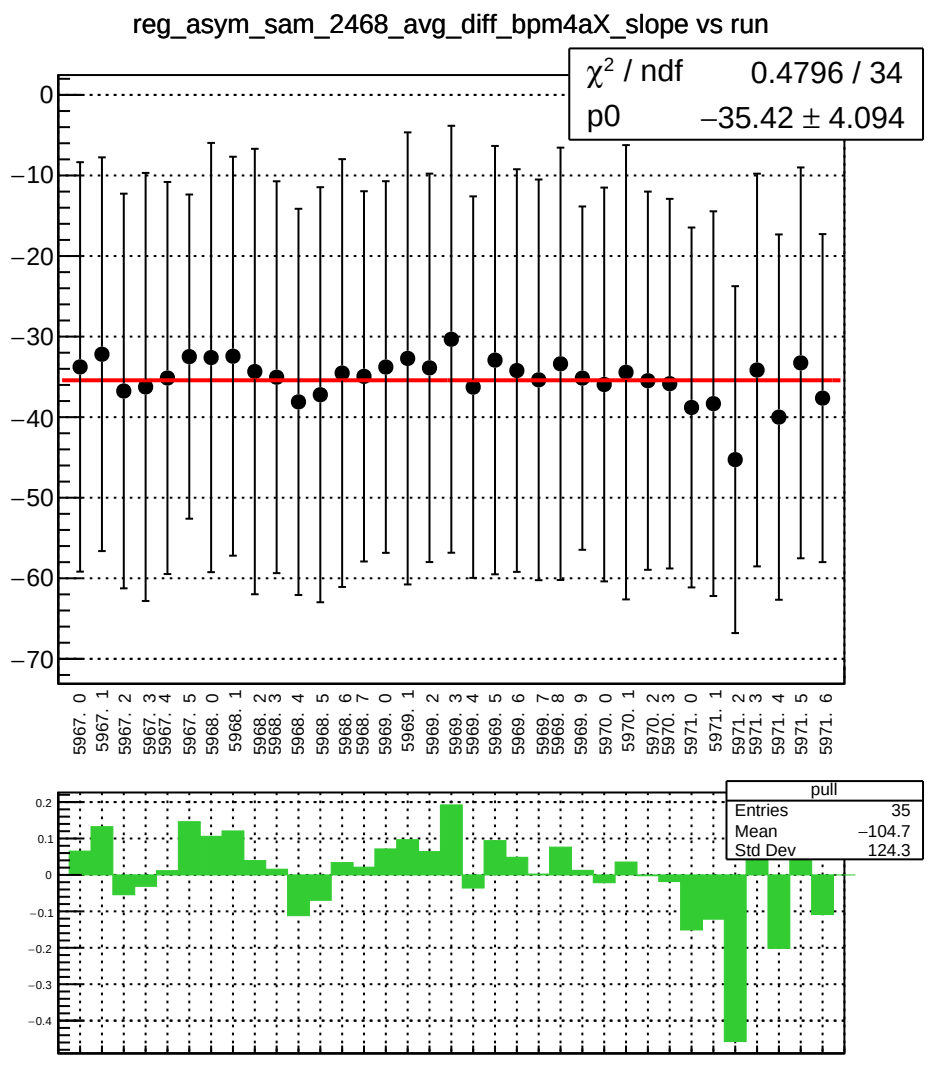

pull1D
Entries 35
Mean −0.003567
Std Dev 0.1494
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

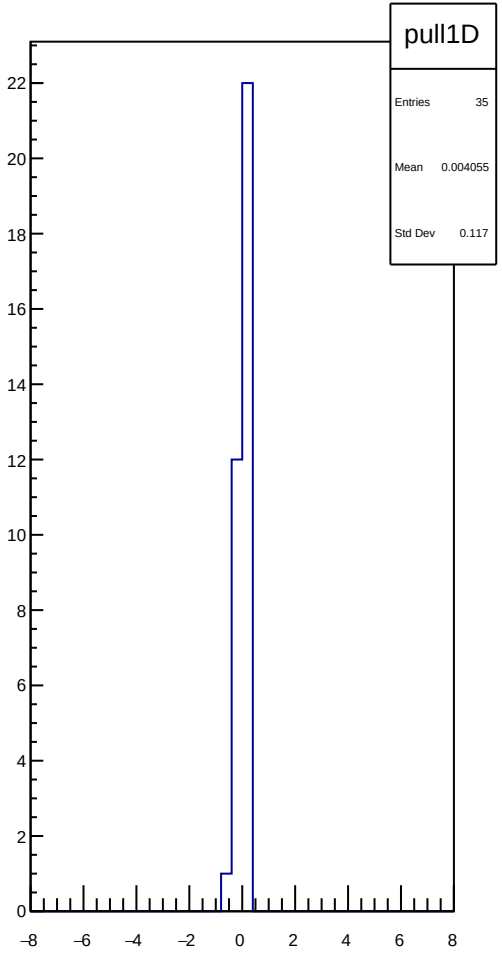

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.394 / 34
p0 29.03 ± 0.9495
pull
Entries 35
Mean −93.29
Std Dev 111.9

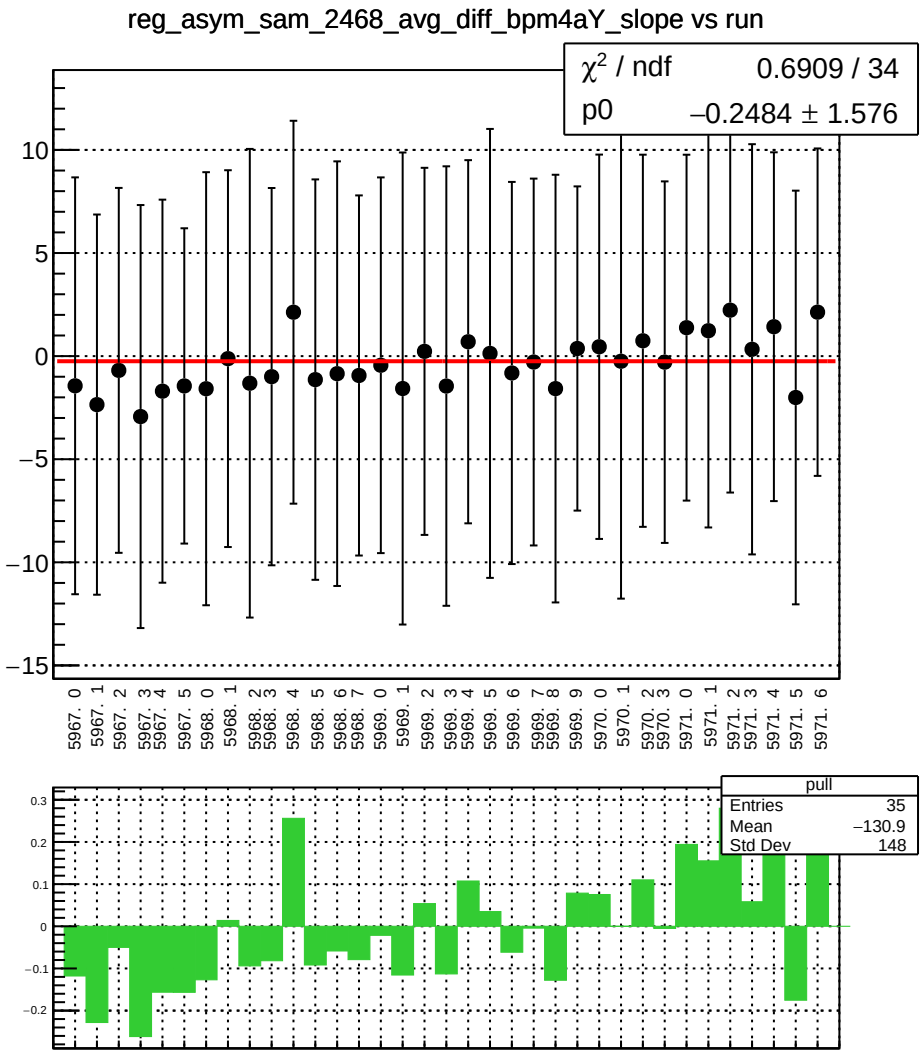

pull1D
Entries 35
Mean 0.008202
Std Dev 0.1994

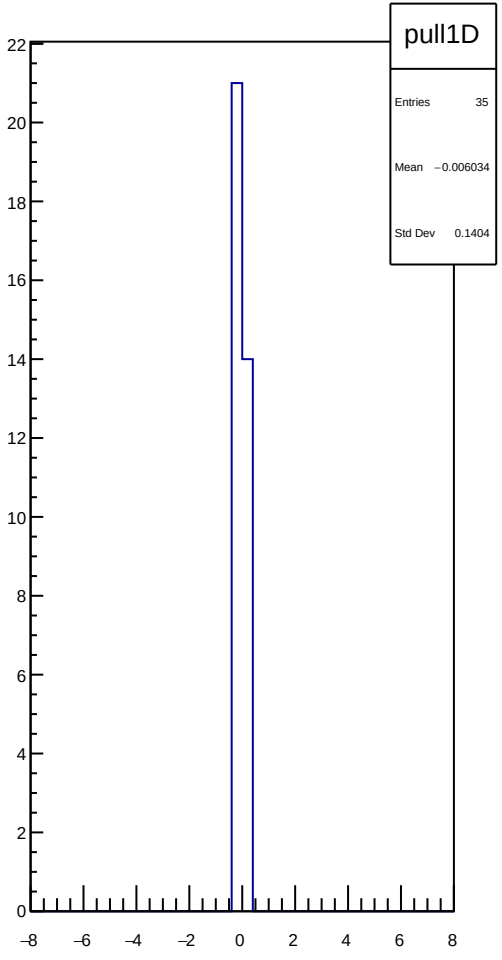

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 0.5351 / 34
p0 −0.2647 ± 0.0847
pull
Entries 35
Mean −56.15
Std Dev 79.66

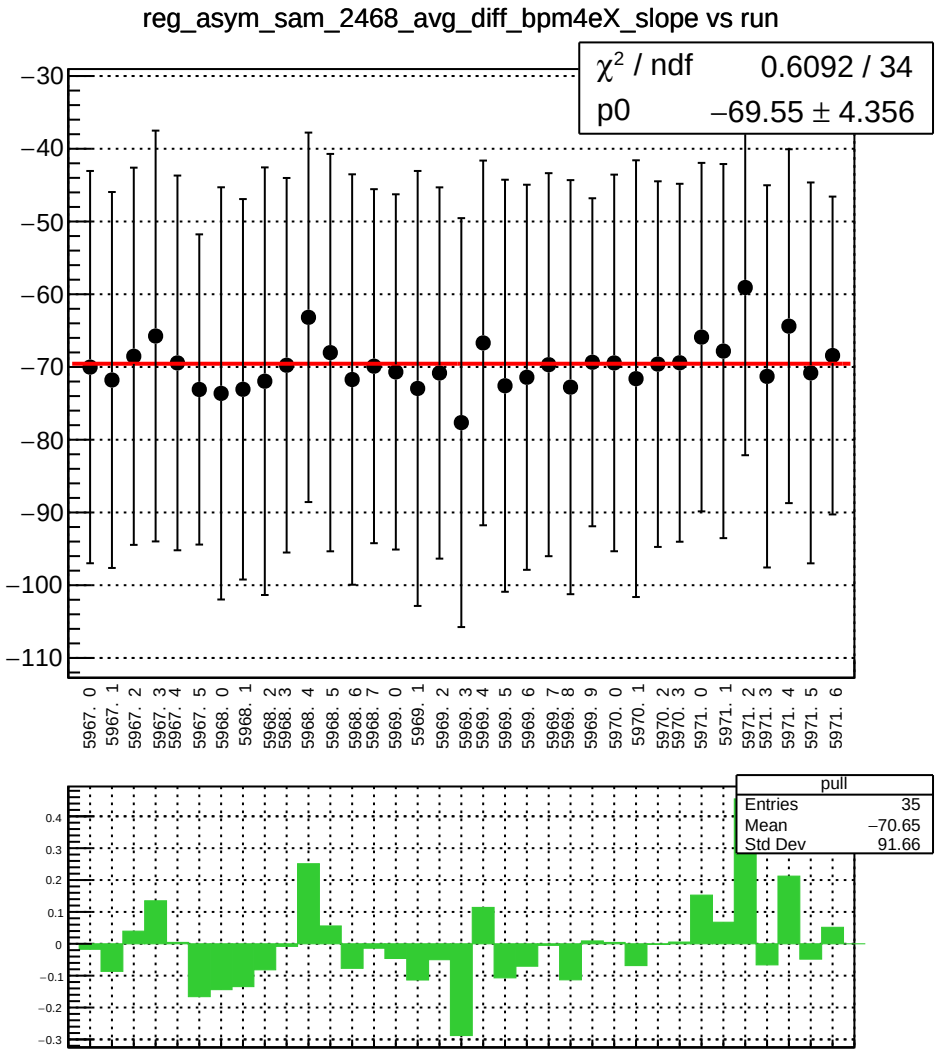

pull1D
Entries 35
Mean 0.003206
Std Dev 0.1236

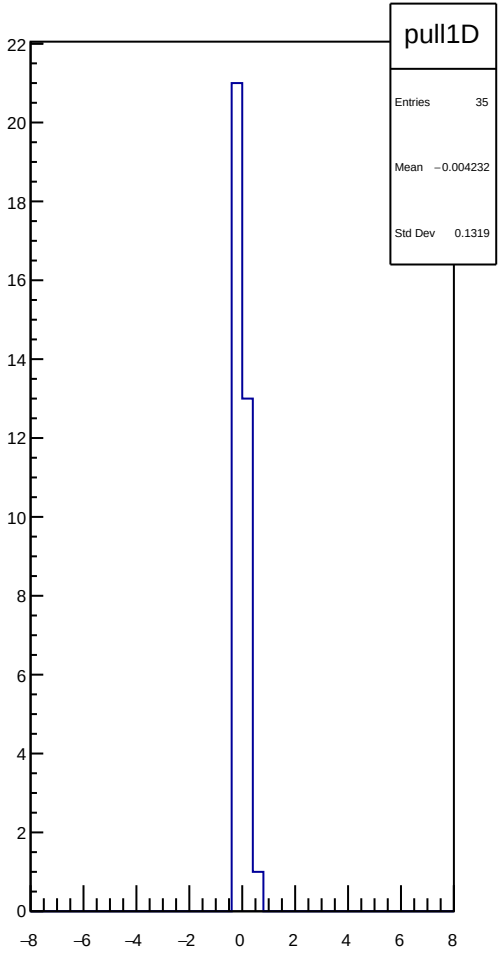

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.4796 / 34
p0 −35.42 ± 4.094
pull
Entries 35
Mean −104.7
Std Dev 124.3

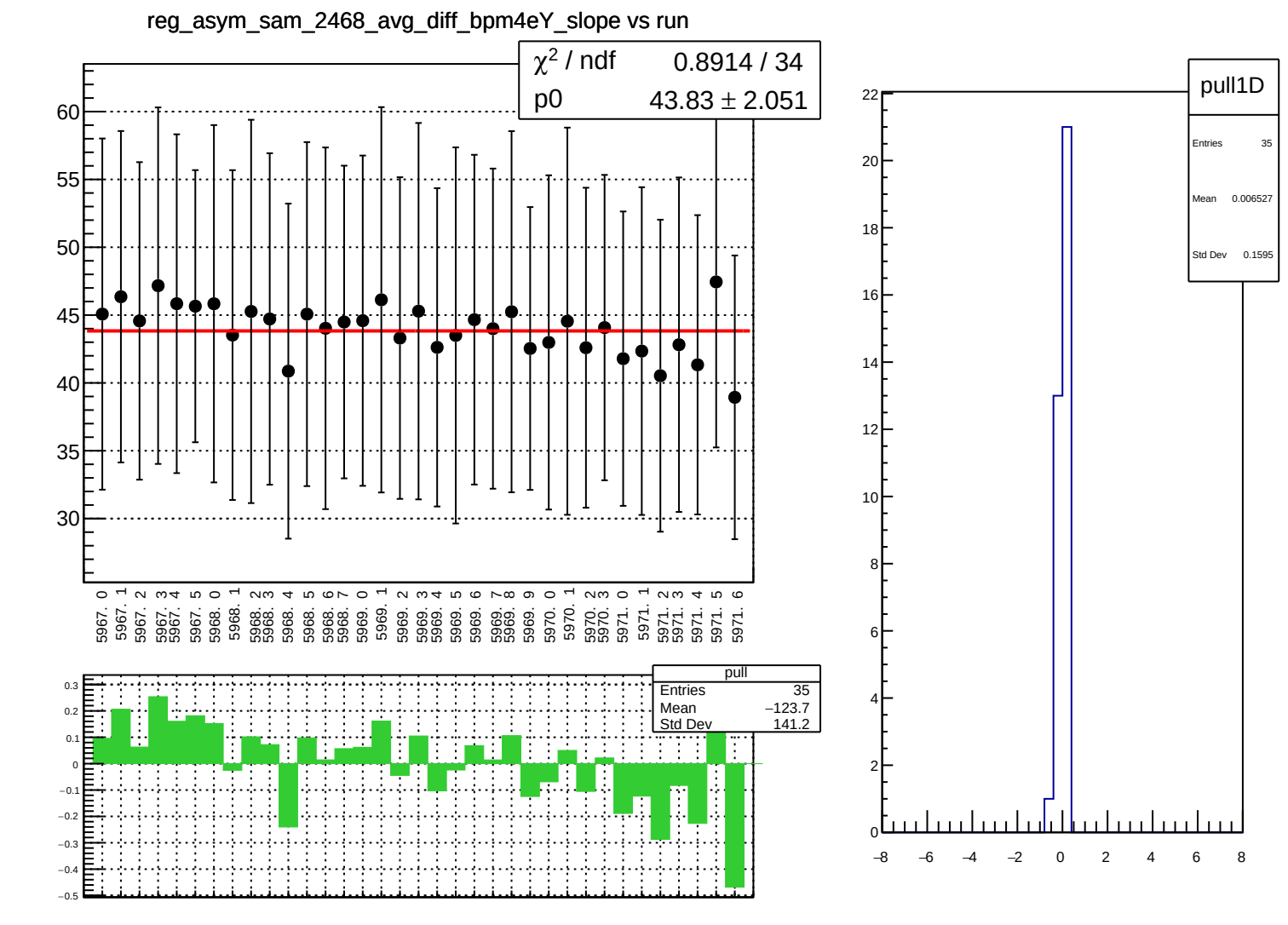

pull1D
Entries 35
Mean 0.004055
Std Dev 0.117

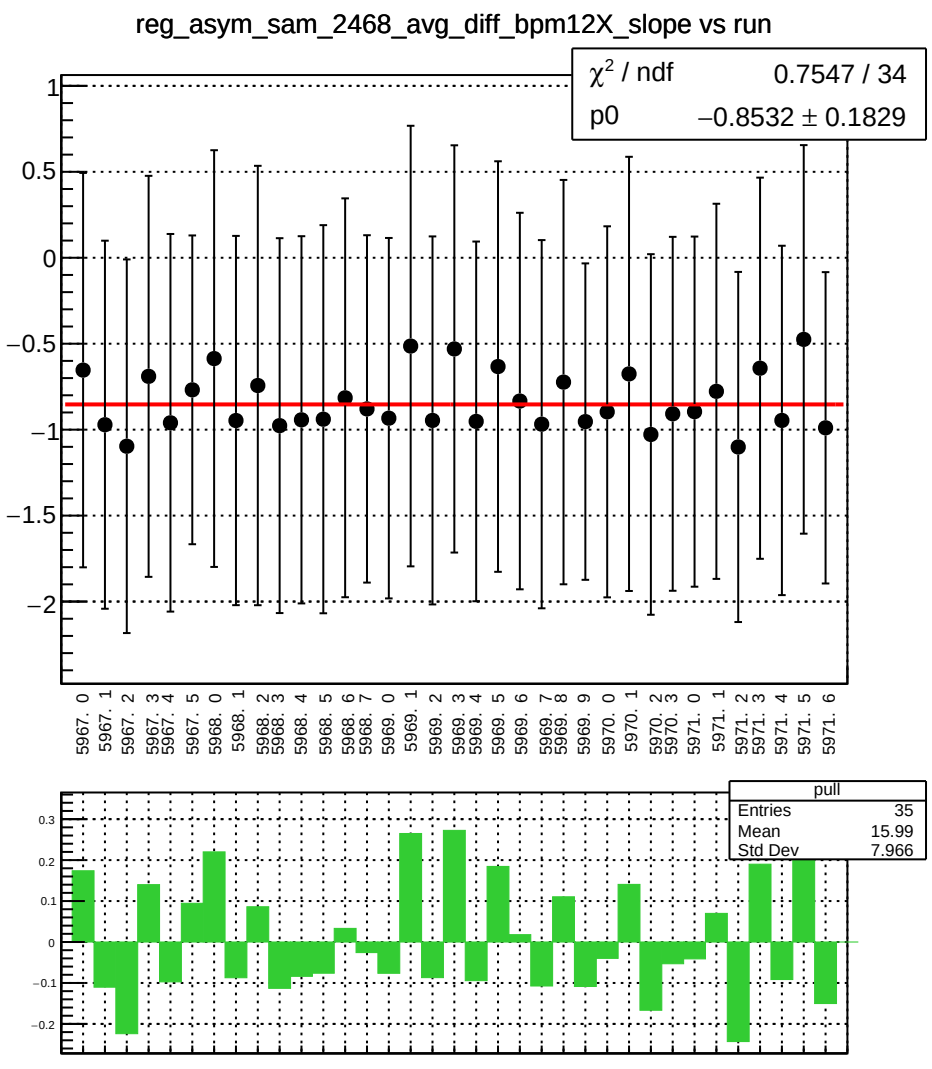

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.6909 / 34
p0 −0.2484 ± 1.576
10
5
0
−5
−10
−15
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −130.9
Std Dev 148
0.3
0.2
0.1
0
−0.1
−0.2

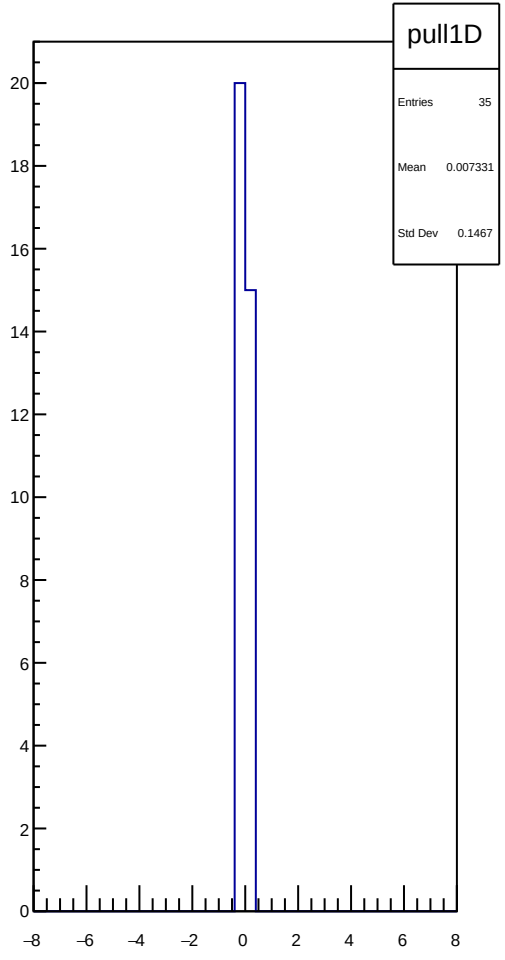

pull1D
Entries 35
Mean −0.006034
Std Dev 0.1404
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

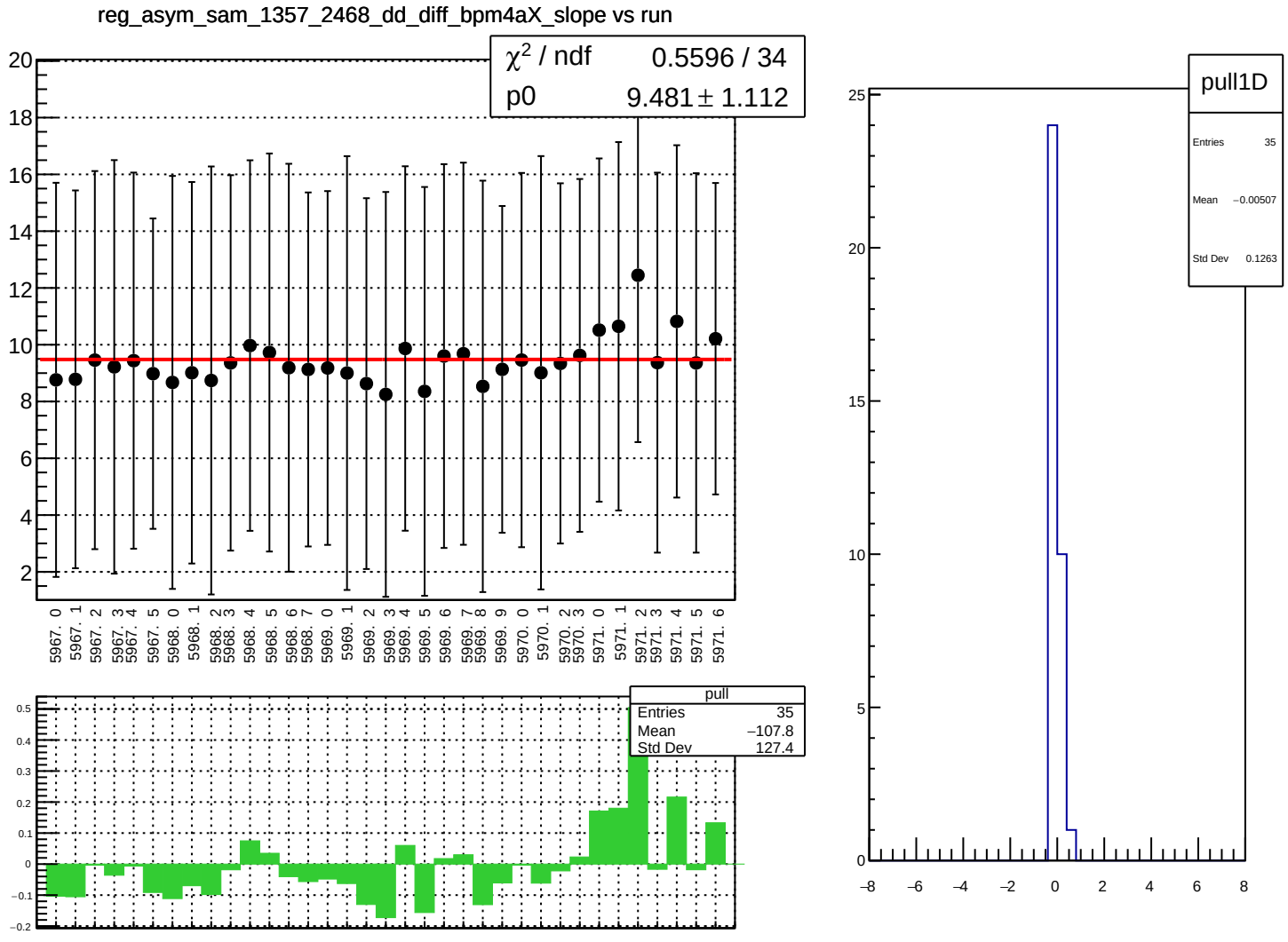

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.6092 / 34
p0 −69.55 ± 4.356
pull
Entries 35
Mean −70.65
Std Dev 91.66

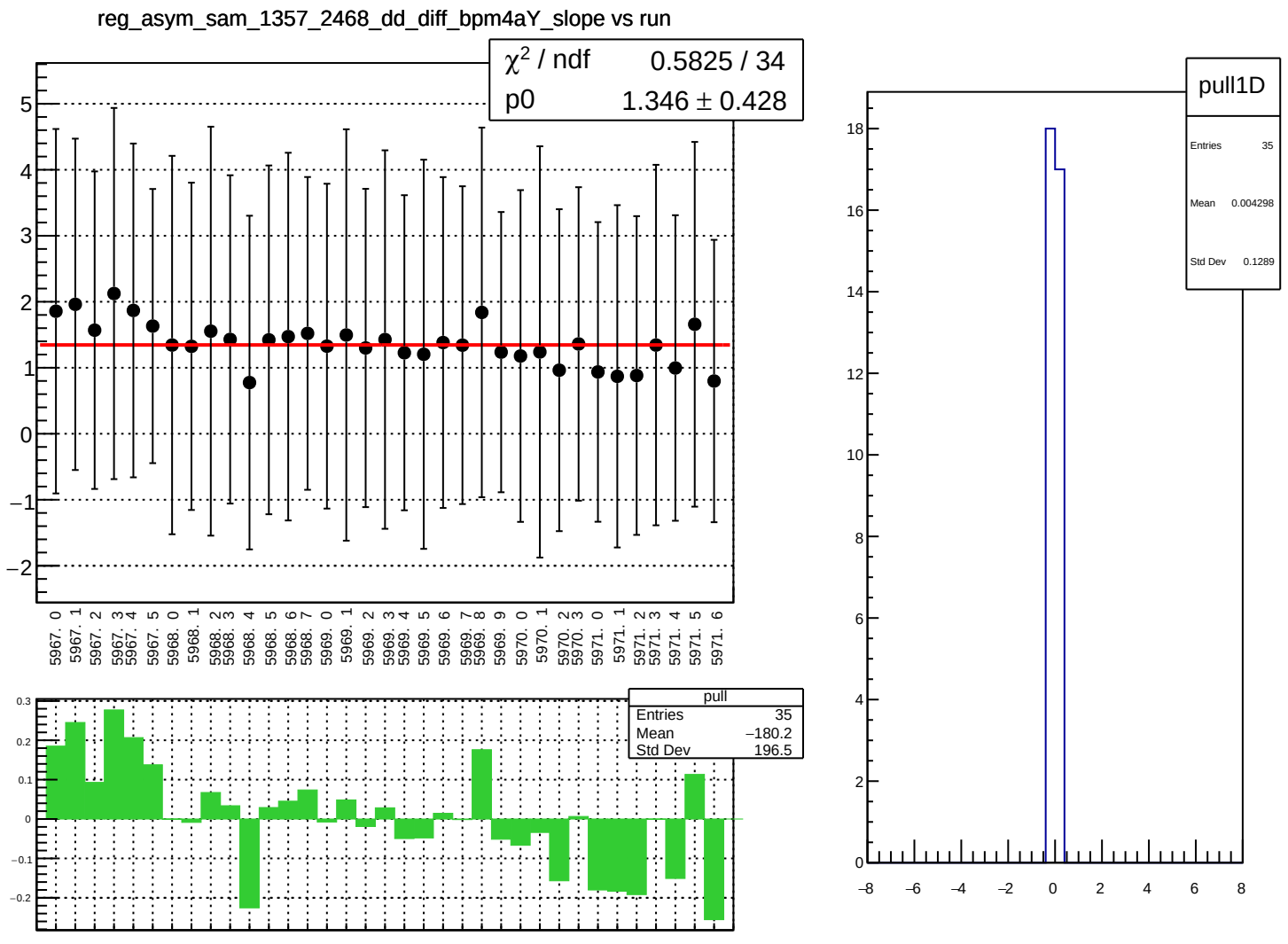

pull1D
Entries 35
Mean −0.004232
Std Dev 0.1319

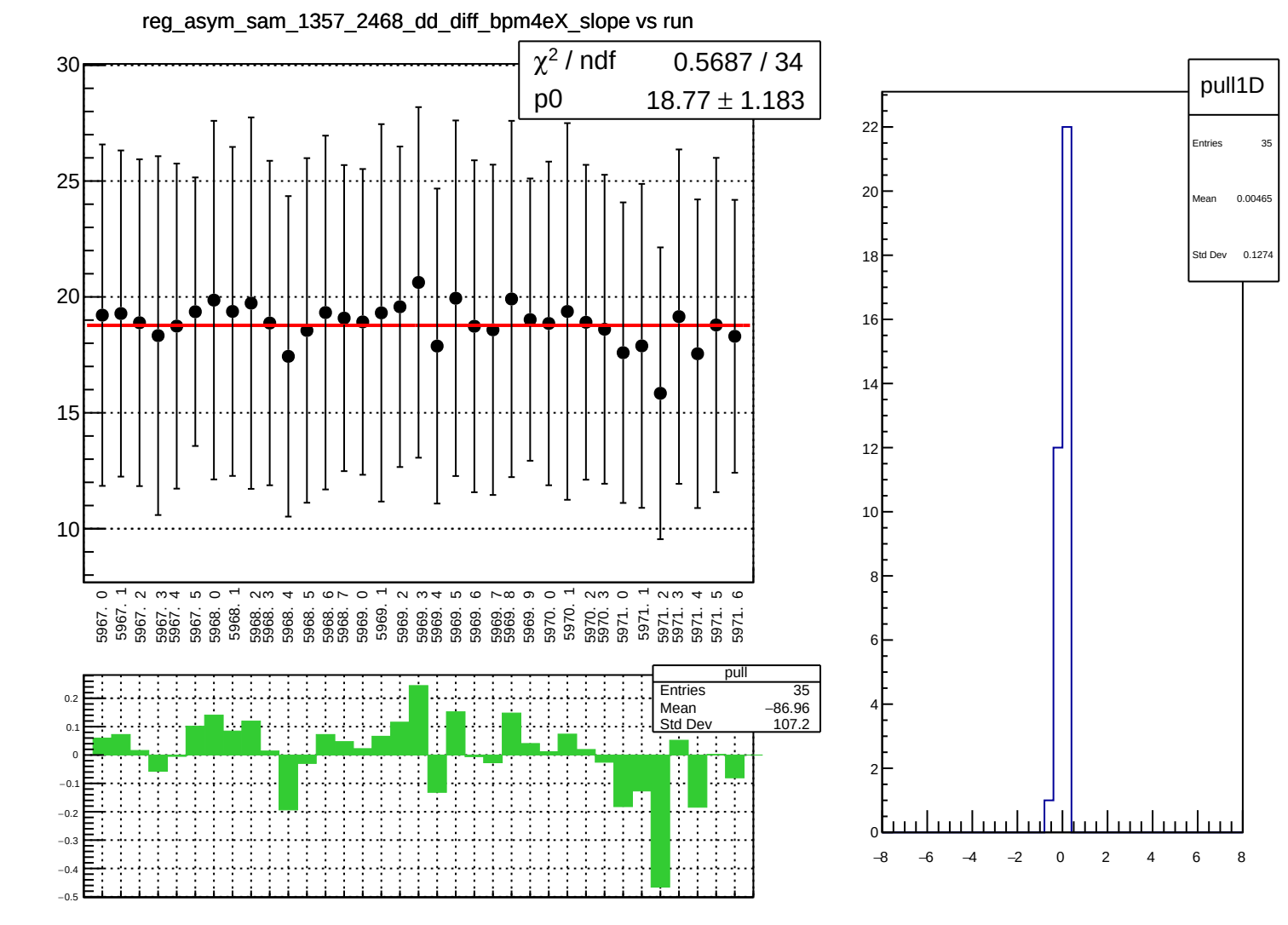

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.8914 / 34
p0 43.83 ± 2.051
pull
Entries 35
Mean −123.7
Std Dev 141.2
pull1D
Entries 35
Mean 0.006527
Std Dev 0.1595

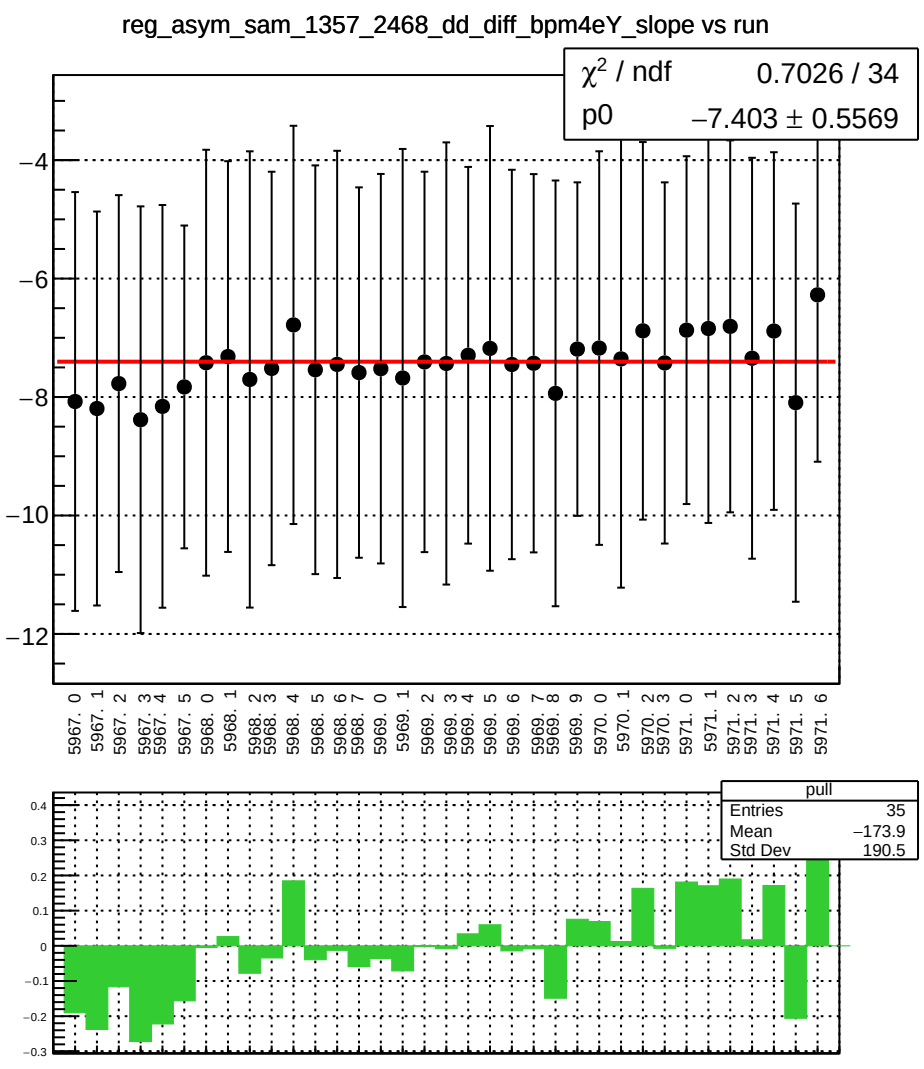

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 0.7547 / 34
p0 −0.8532 ± 0.1829
pull
Entries 35
Mean 15.99
Std Dev 7.966

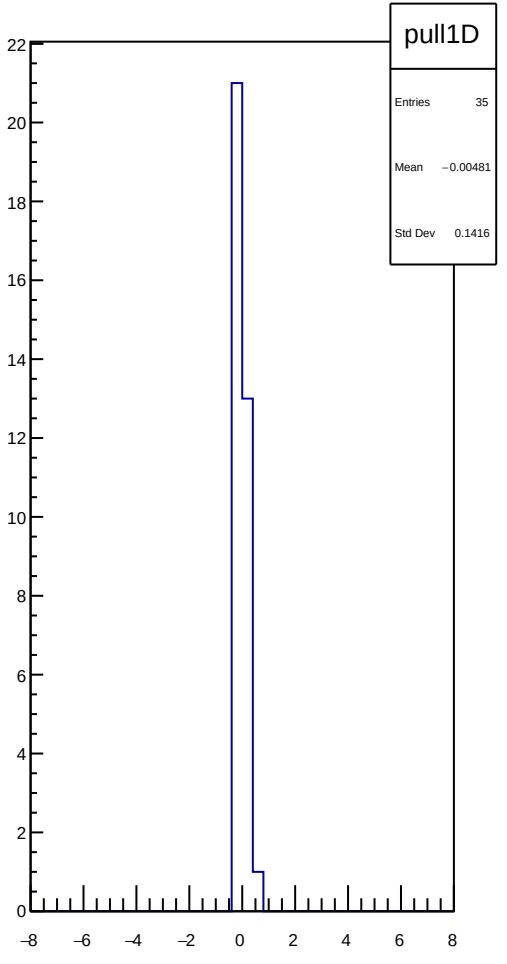

pull1D
Entries 35
Mean 0.007331
Std Dev 0.1467

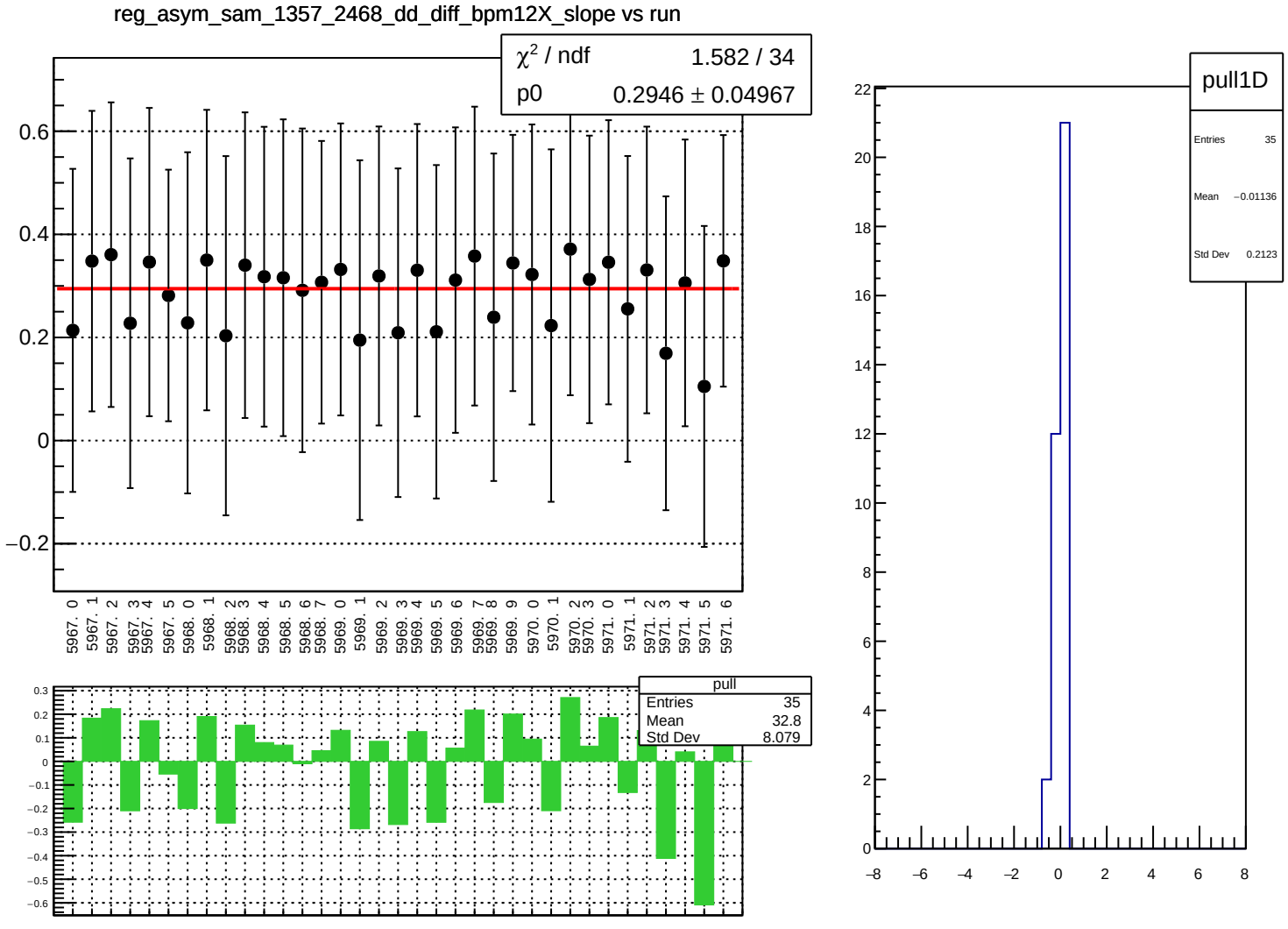

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.5596 / 34
p0 9.481 ± 1.112
pull
Entries 35
Mean −107.8
Std Dev 127.4
pull1D
Entries 35
Mean −0.00507
Std Dev 0.1263

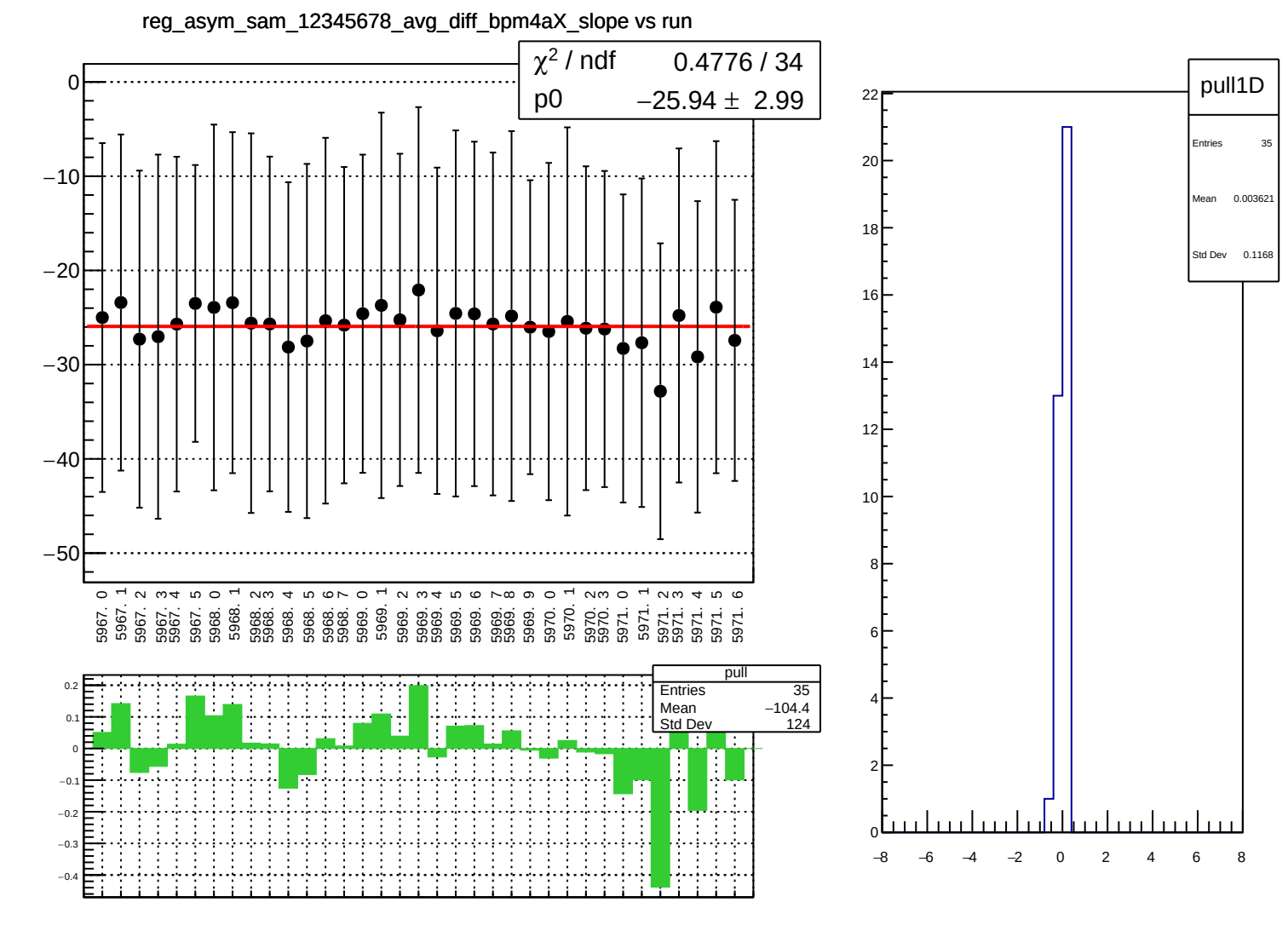

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.5825 / 34
p0 1.346 ± 0.428
pull
Entries 35
Mean −180.2
Std Dev 196.5
pull1D
Entries 35
Mean 0.004298
Std Dev 0.1289

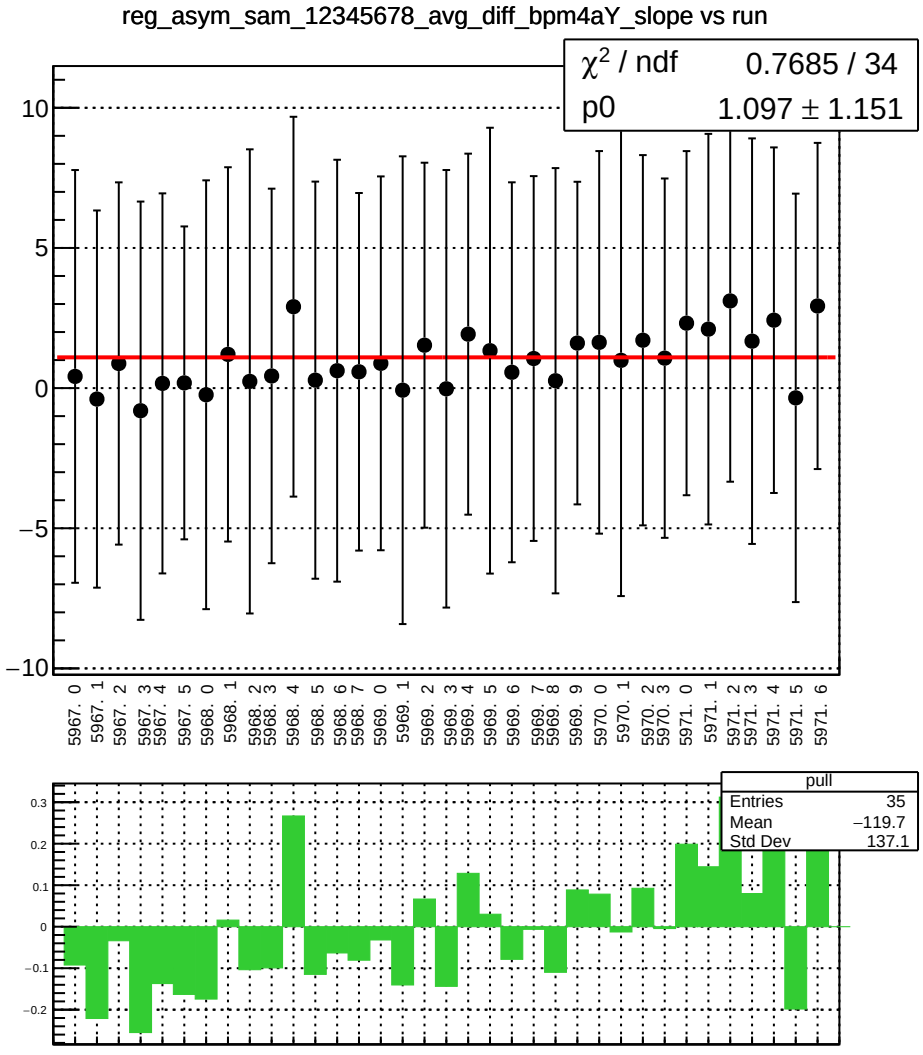

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.5687 / 34
p0 18.77 ± 1.183
30
25
20
15
10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean –86.96
Std Dev 107.2
0.2
0.1
0
–0.1
–0.2
–0.3
–0.4
–0.5
pull1D
Entries 35
Mean 0.00465
Std Dev 0.1274
22
20
18
16
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

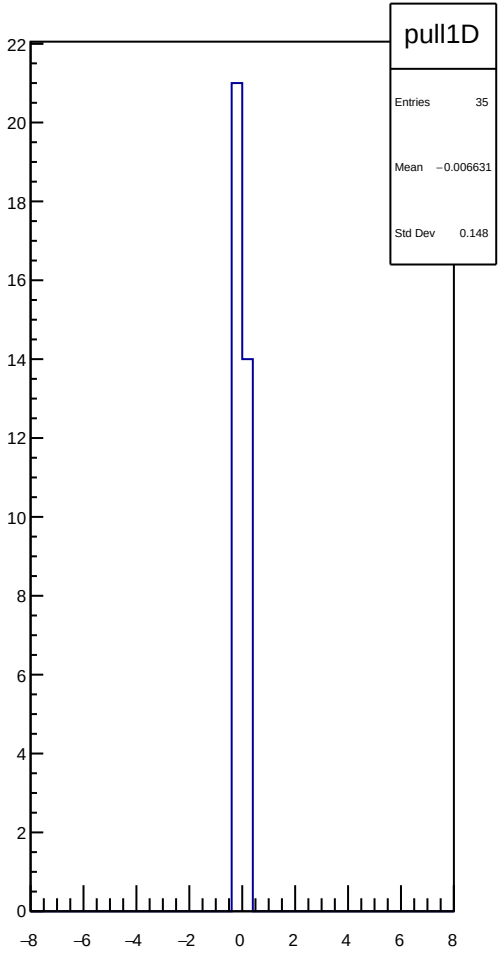

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7026 / 34
p0 −7.403 ± 0.5569
−4
−6
−8
−10
−12
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −173.9
Std Dev 190.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

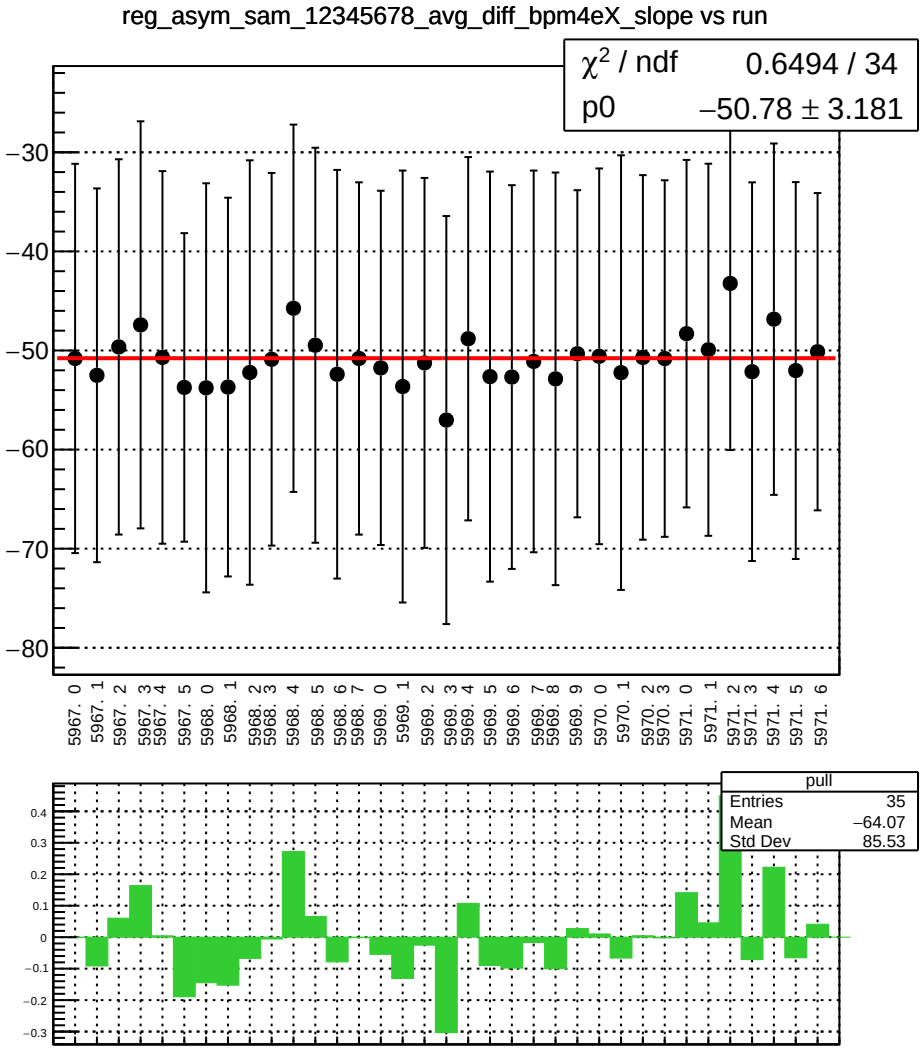

pull1D
Entries 35
Mean −0.00481
Std Dev 0.1416
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

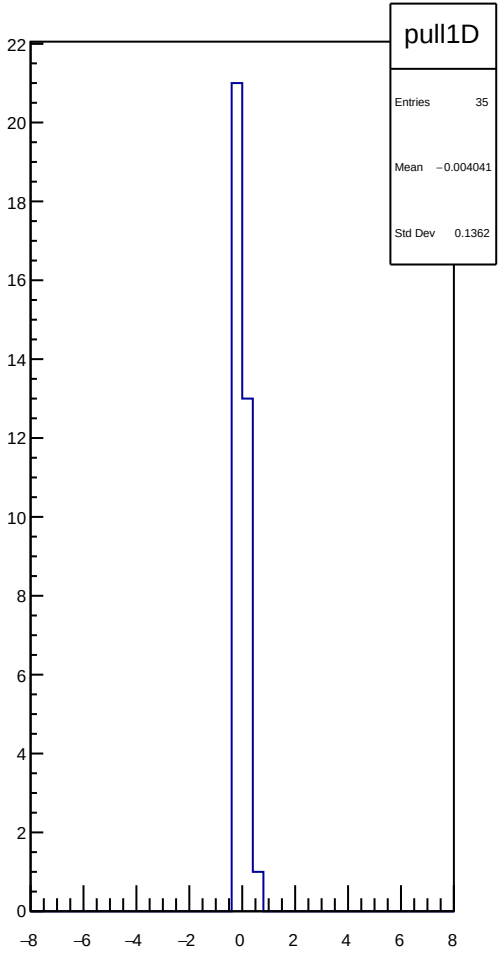

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.582 / 34
p0 0.2946 ± 0.04967
pull
Entries 35
Mean 32.8
Std Dev 8.079
pull1D
Entries 35
Mean −0.01136
Std Dev 0.2123

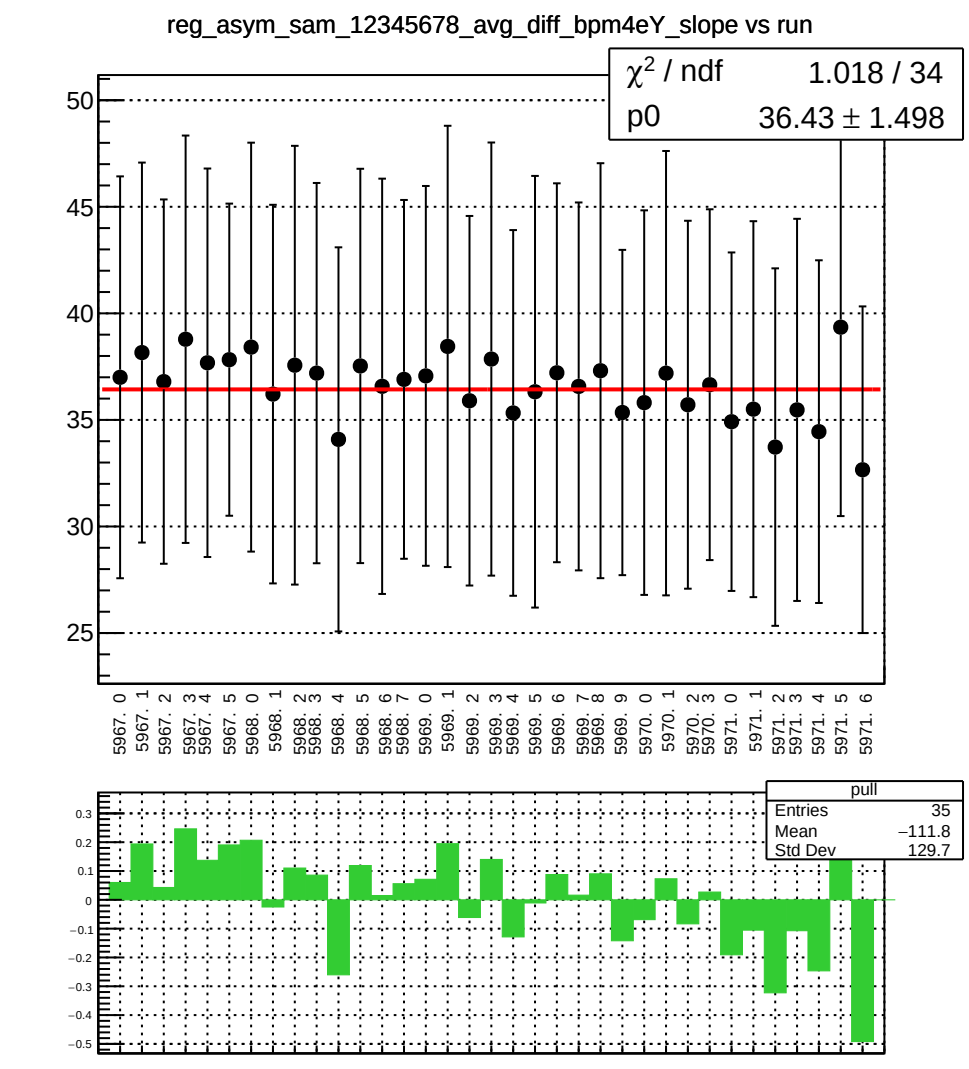

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.4776 / 34
p0 −25.94 ± 2.99
pull
Entries 35
Mean −104.4
Std Dev 124
pull1D
Entries 35
Mean 0.003621
Std Dev 0.1168

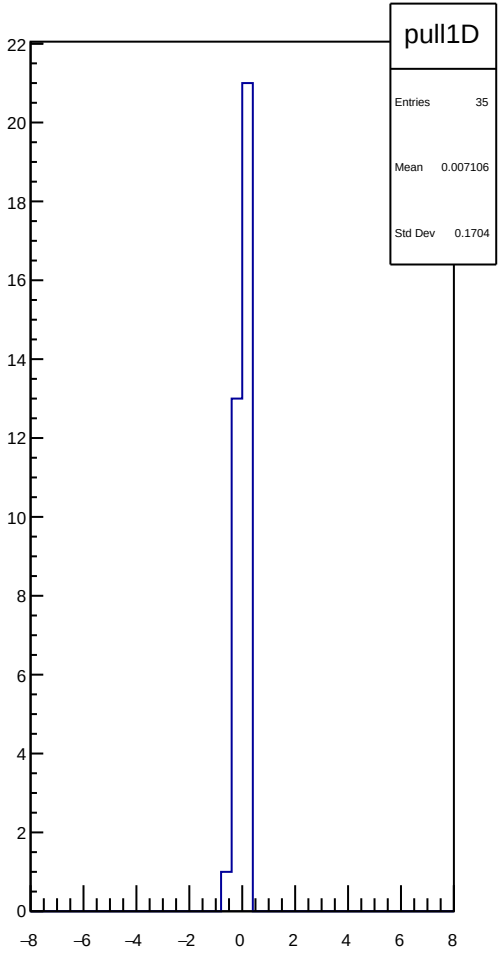

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.7685 / 34
p0 1.097 ± 1.151
pull
Entries 35
Mean −119.7
Std Dev 137.1

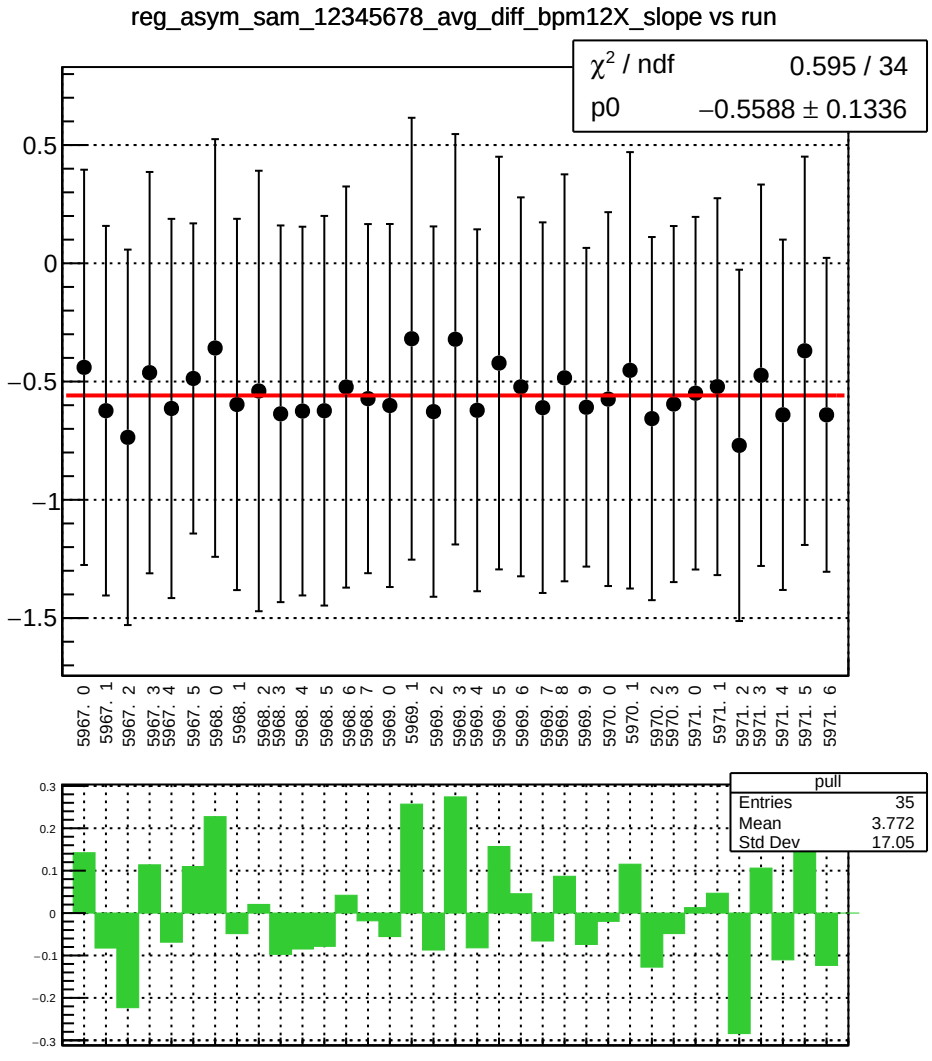

pull1D
Entries 35
Mean −0.006631
Std Dev 0.148

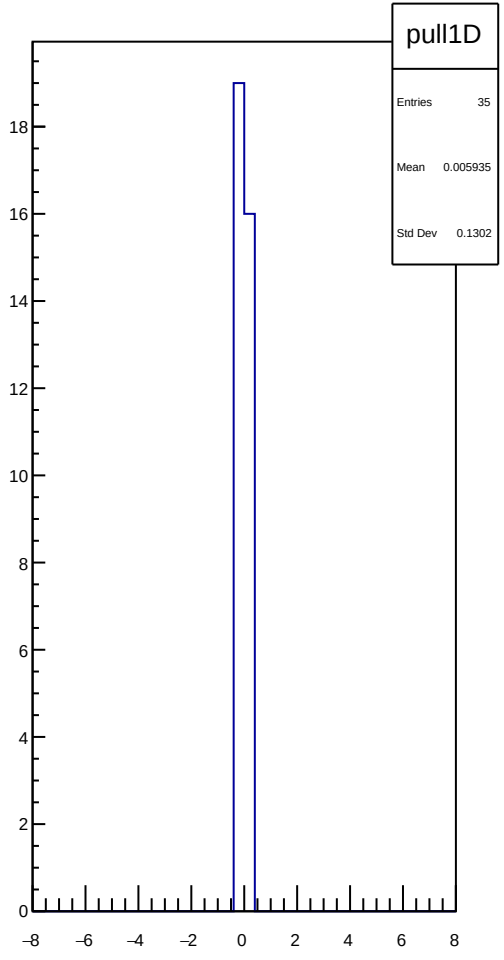

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.6494 / 34
p0 −50.78 ± 3.181
−30
−40
−50
−60
−70
−80
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −64.07
Std Dev 85.53
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

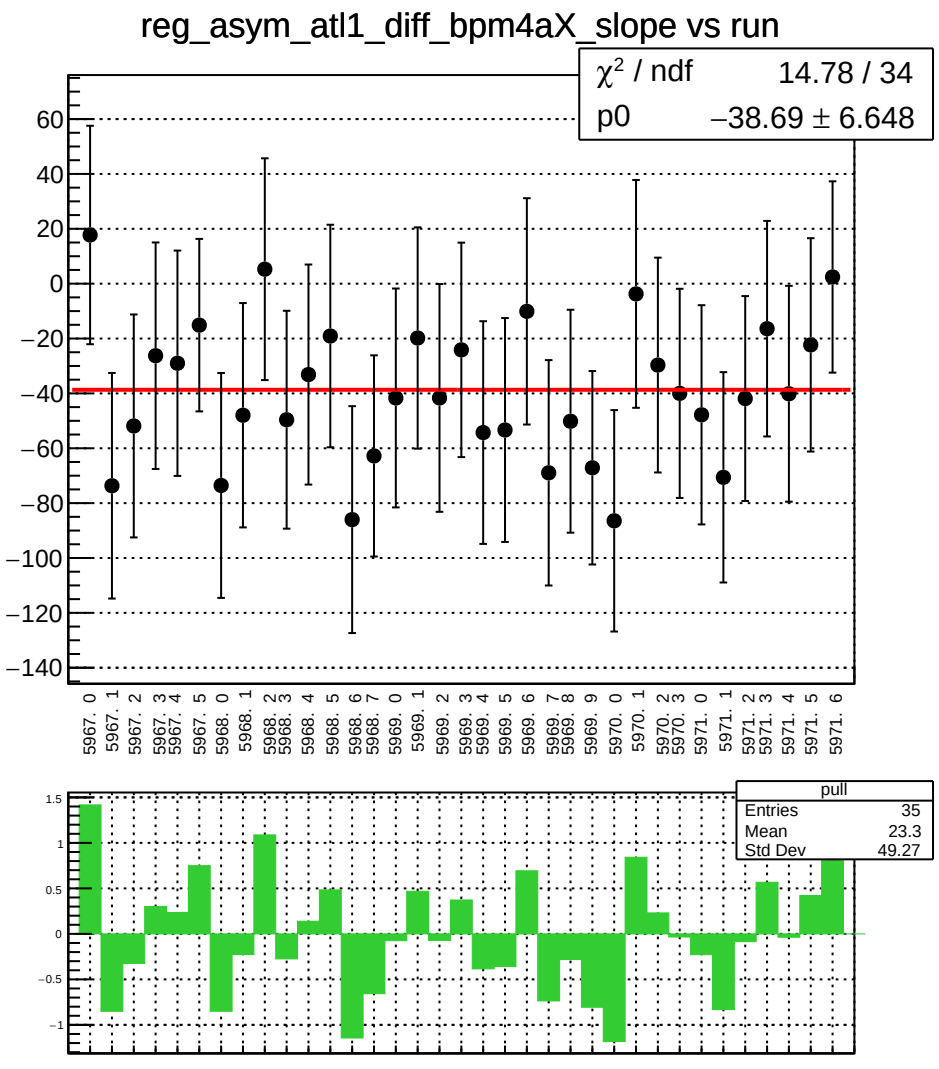

pull1D
Entries 35
Mean −0.004041
Std Dev 0.1362
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

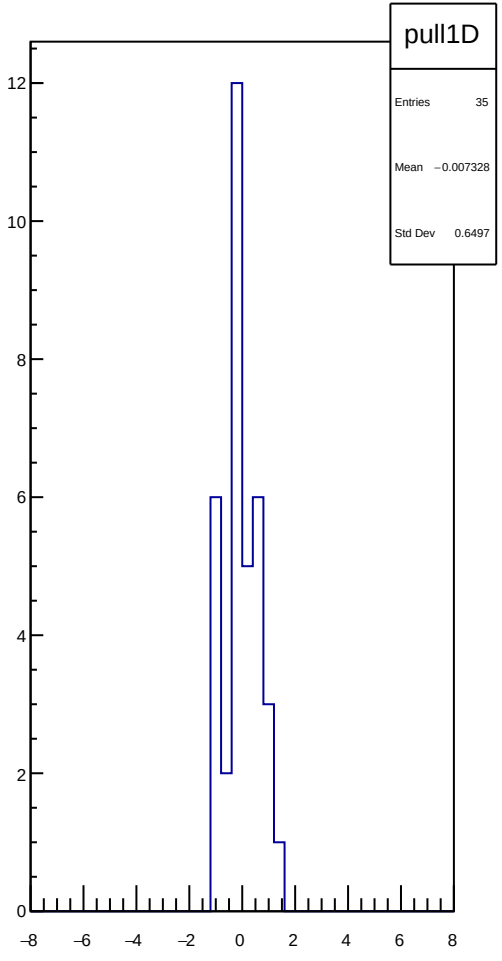

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.018 / 34
p0 36.43 ± 1.498
pull
Entries 35
Mean −111.8
Std Dev 129.7

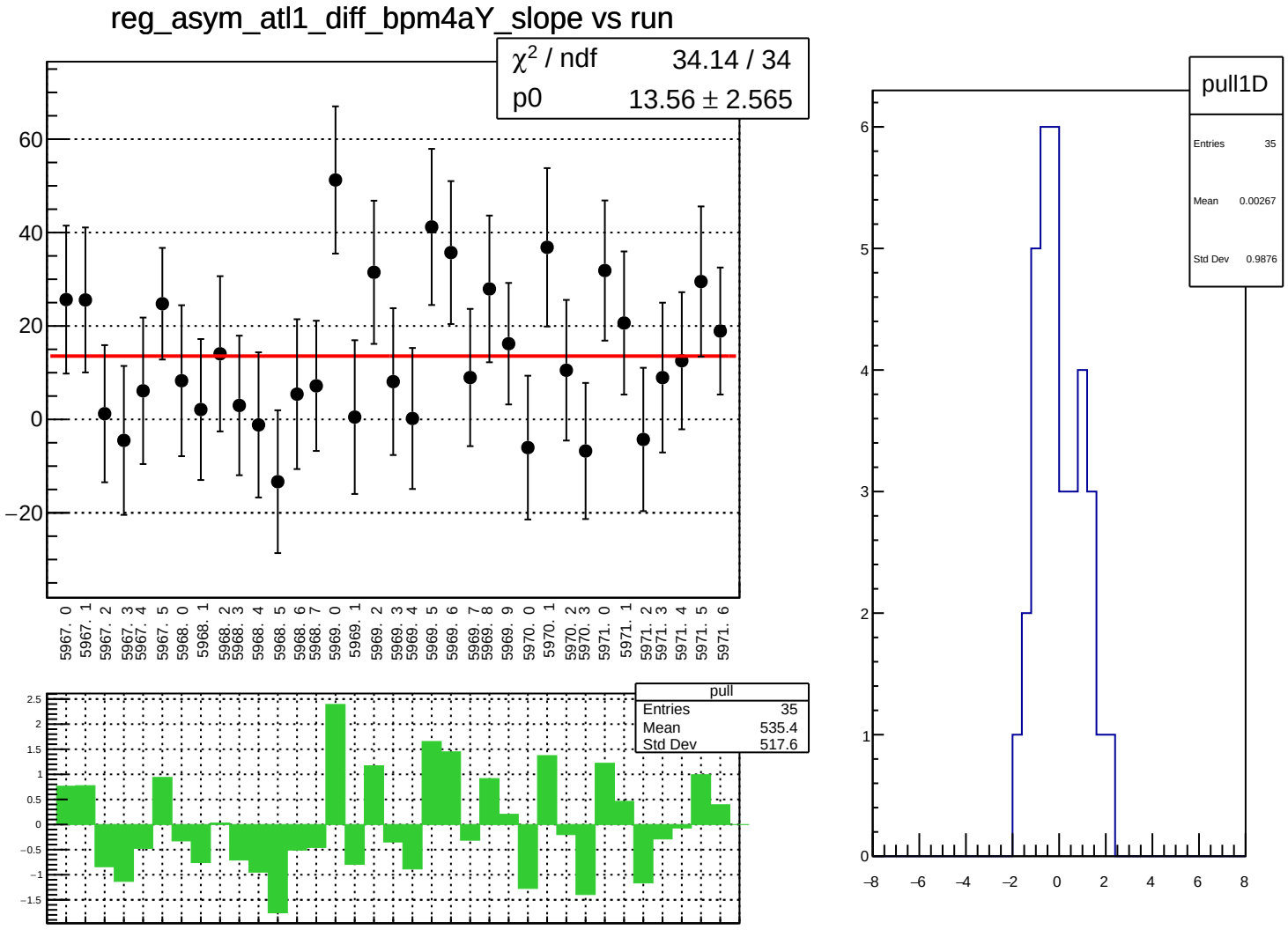

pull1D
Entries 35
Mean 0.007106
Std Dev 0.1704

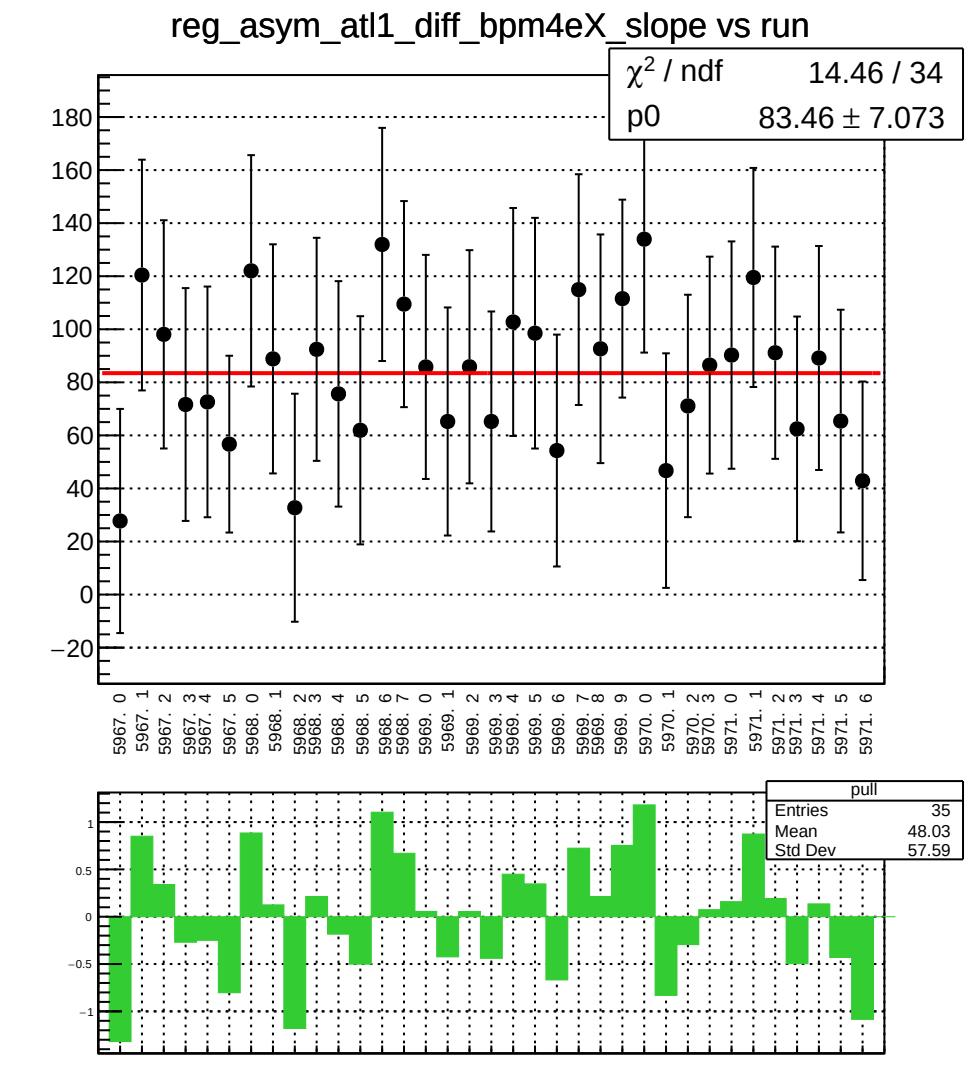

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 0.595 / 34
p0 −0.5588 ± 0.1336
pull
Entries 35
Mean 3.772
Std Dev 17.05

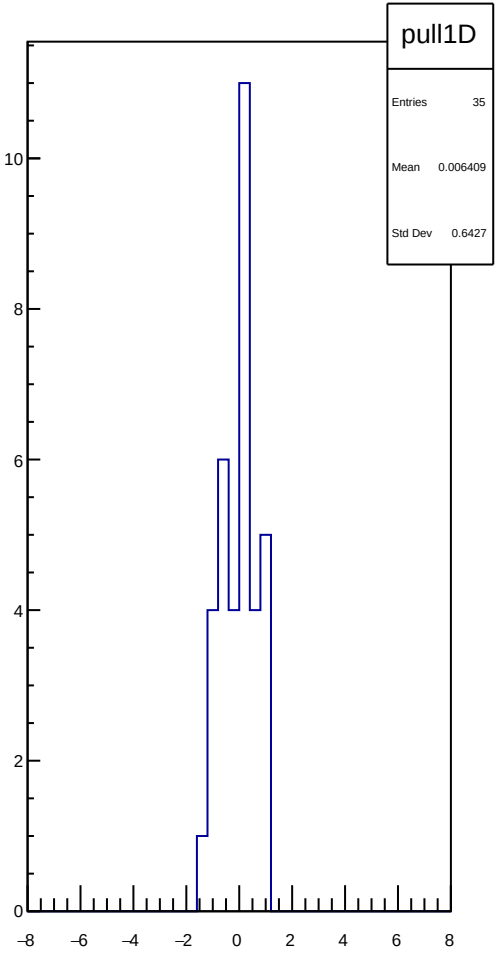

pull1D
Entries 35
Mean 0.005935
Std Dev 0.1302

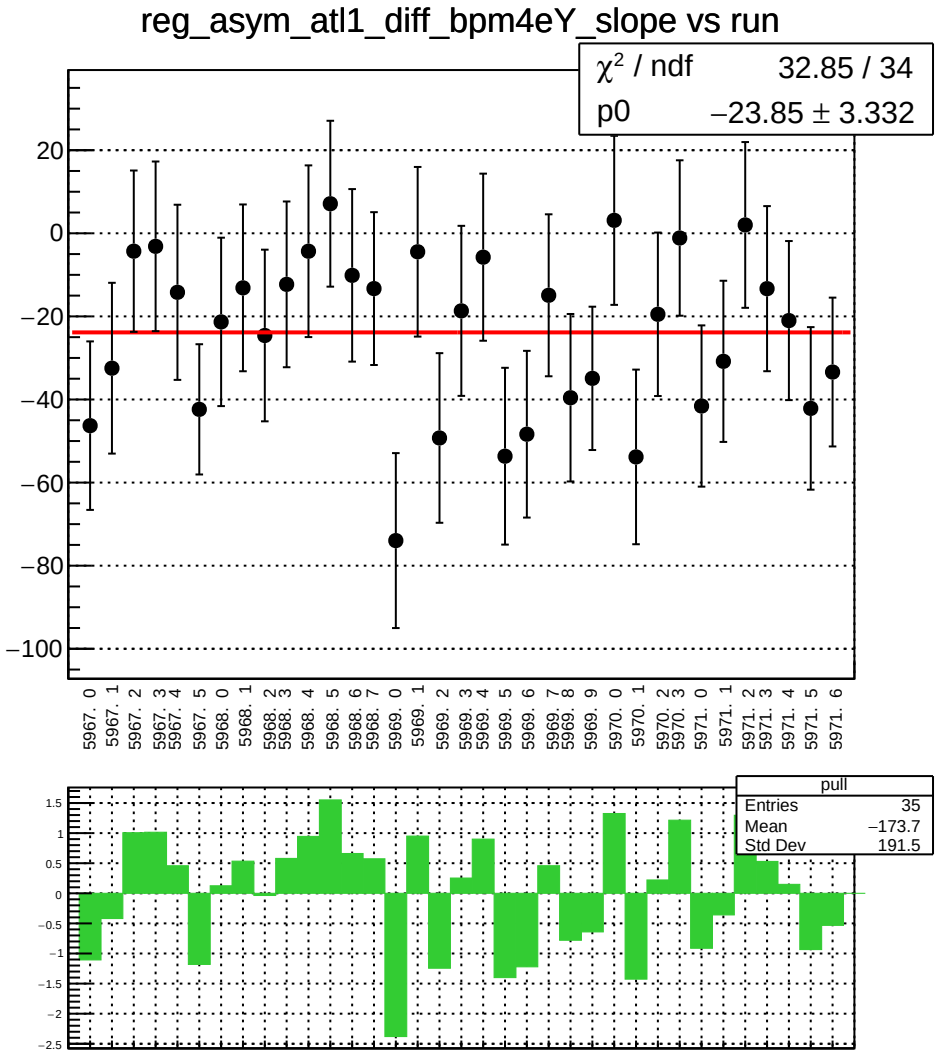

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 14.78 / 34
p0 −38.69 ± 6.648
pull
Entries 35
Mean 23.3
Std Dev 49.27

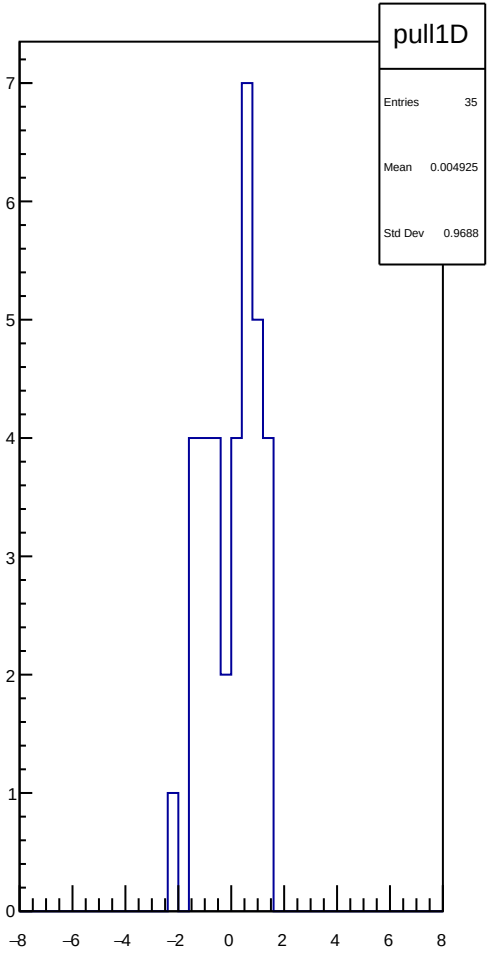

pull1D
Entries 35
Mean −0.007328
Std Dev 0.6497

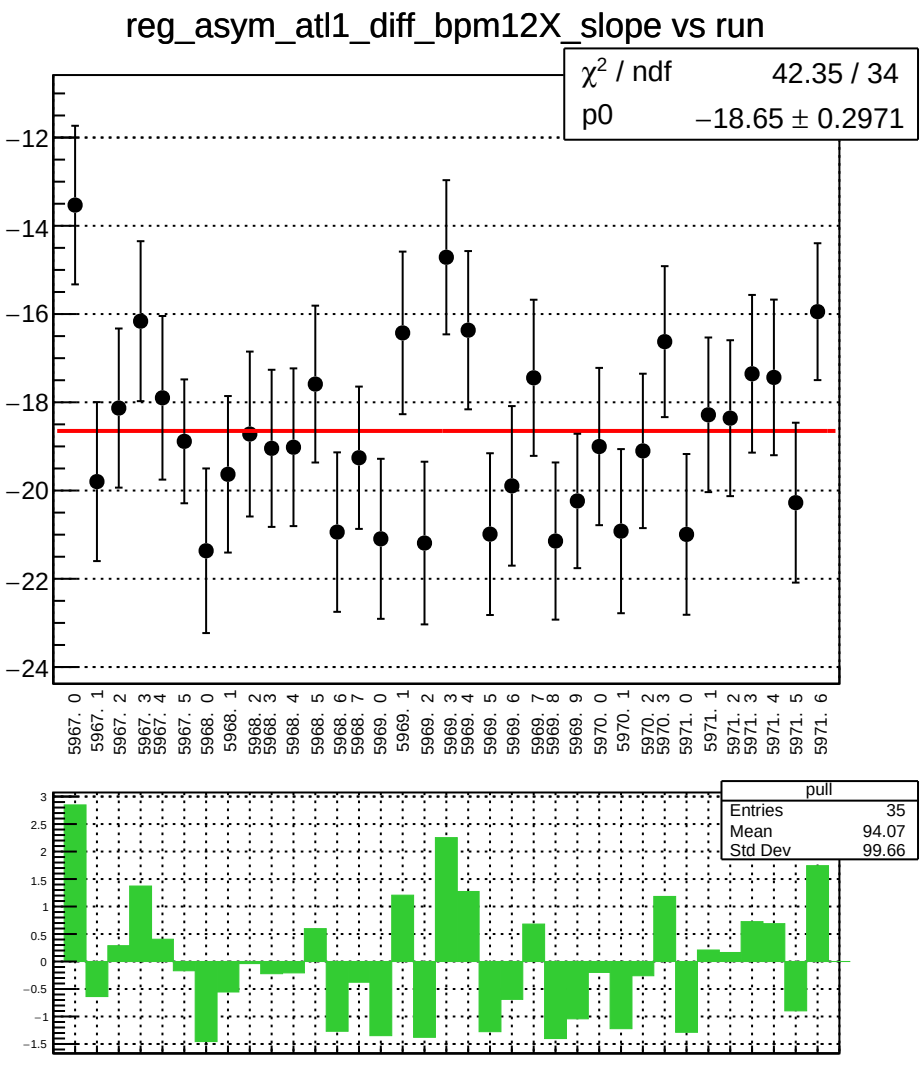

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 34.14 / 34
p0 13.56 ± 2.565
60
40
20
0
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 535.4
Std Dev 517.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.00267
Std Dev 0.9876
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

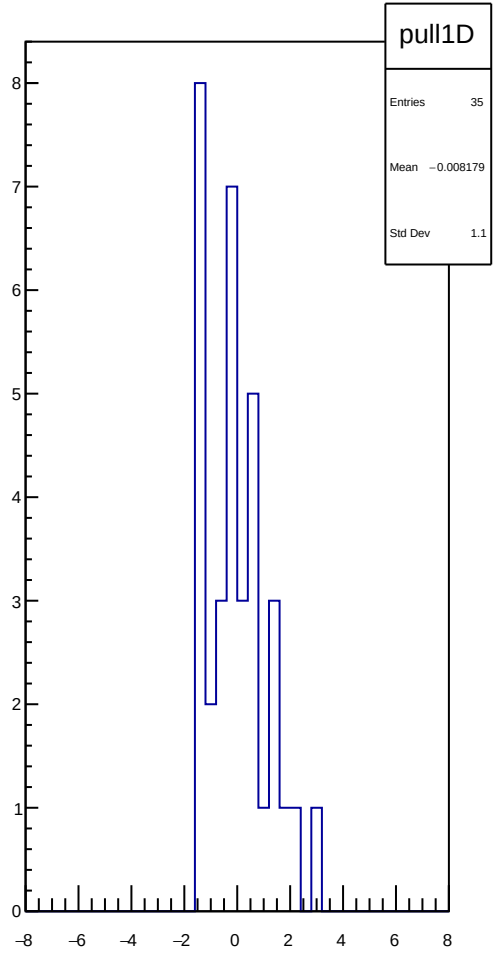

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 14.46 / 34
p0 83.46 ± 7.073
pull
Entries 35
Mean 48.03
Std Dev 57.59

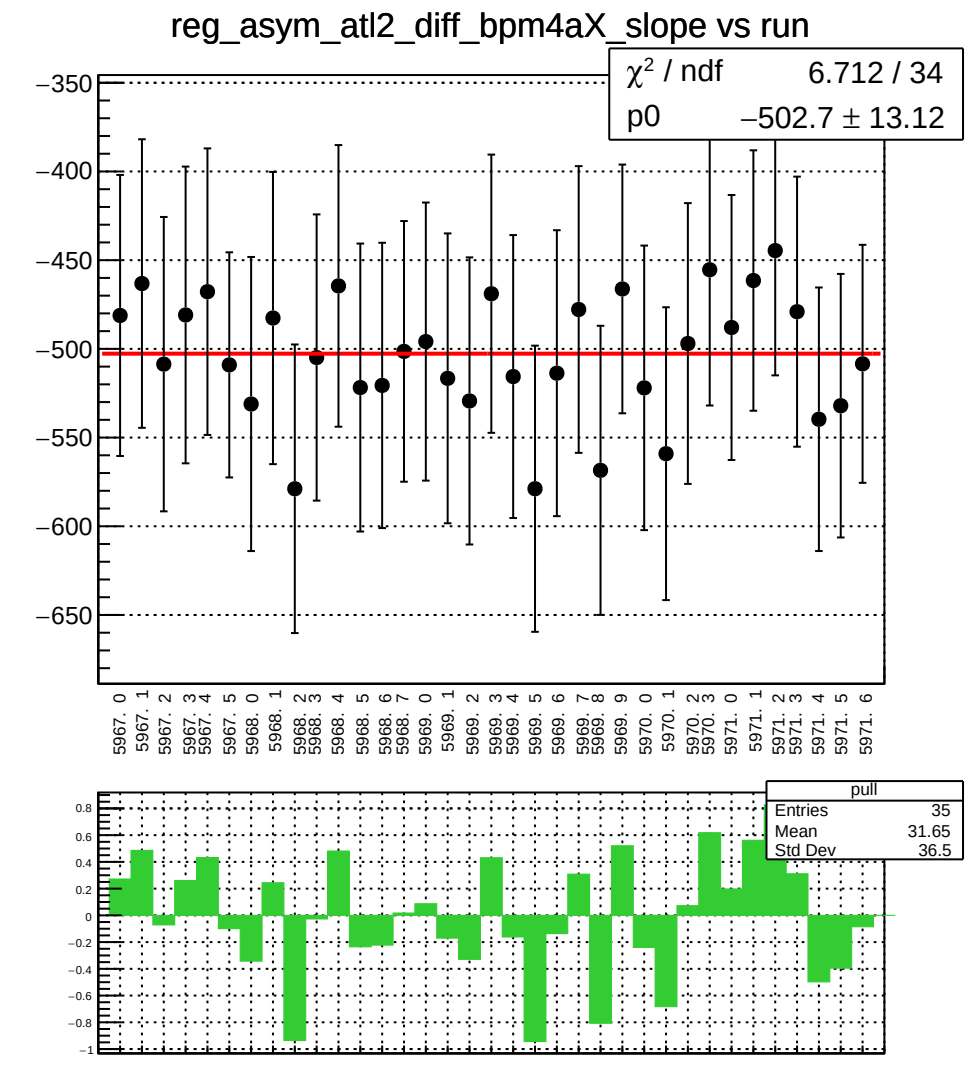

pull1D
Entries 35
Mean 0.006409
Std Dev 0.6427

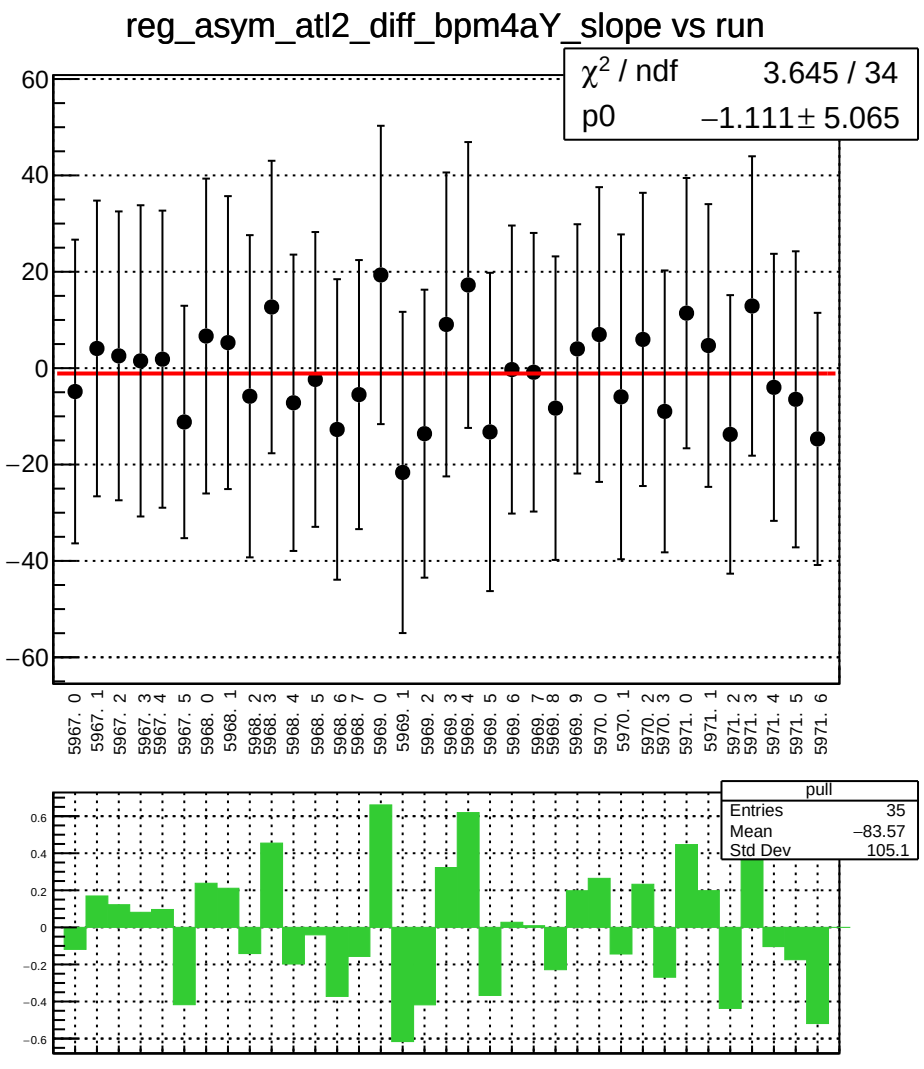

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 32.85 / 34
p0 −23.85 ± 3.332
pull
Entries 35
Mean −173.7
Std Dev 191.5

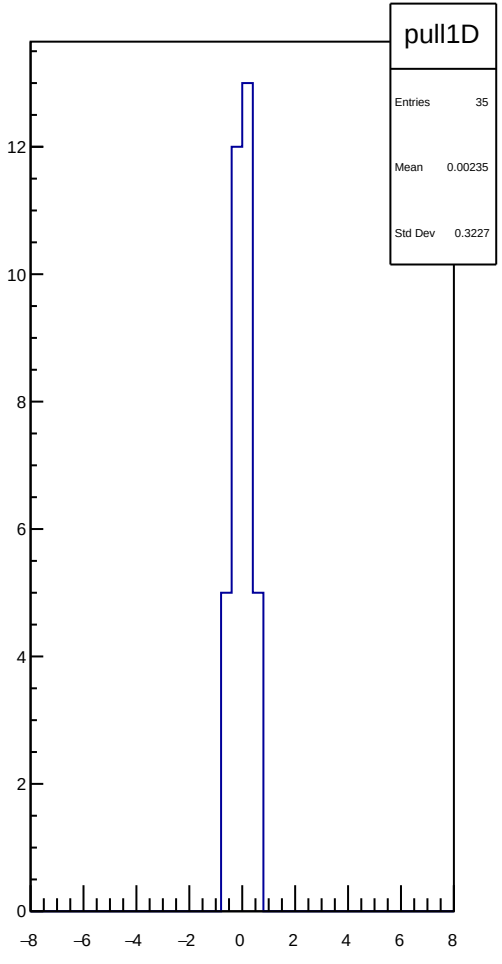

pull1D
Entries 35
Mean 0.004925
Std Dev 0.9688

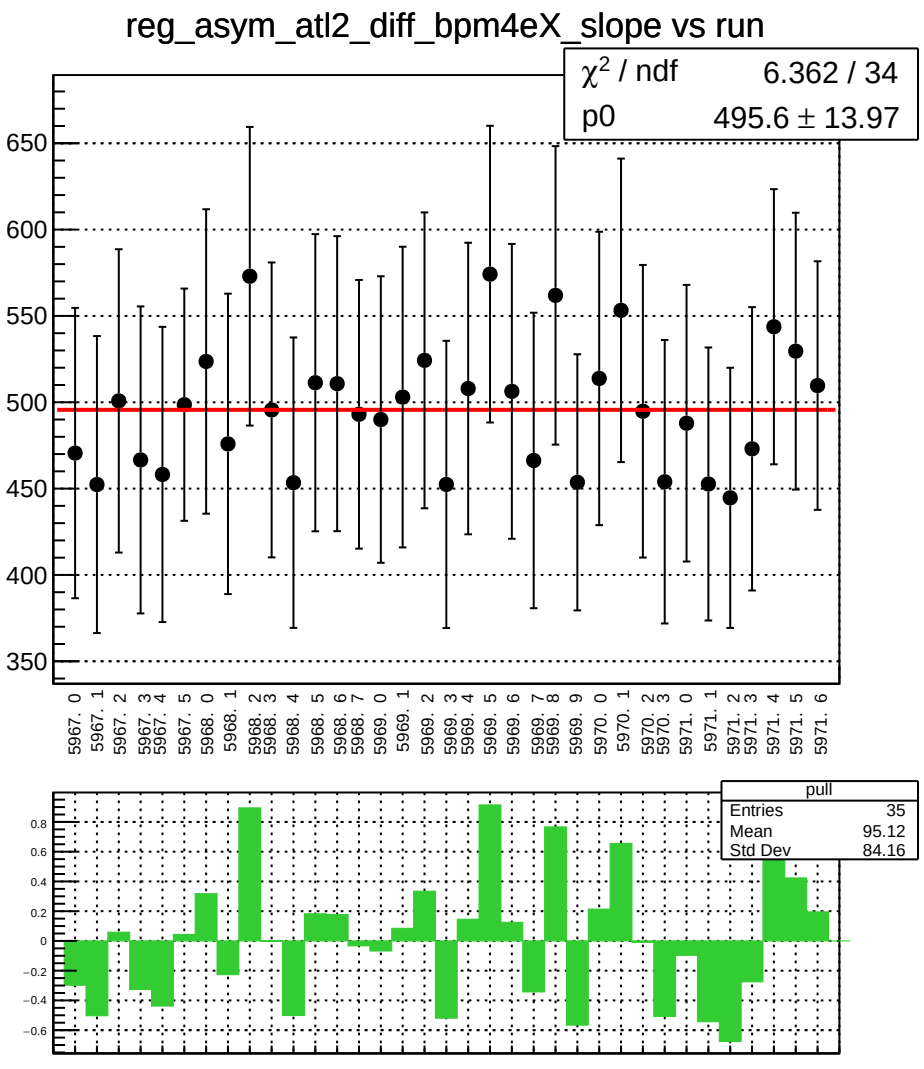

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 42.35 / 34
p0 −18.65 ± 0.2971
pull
Entries 35
Mean 94.07
Std Dev 99.66

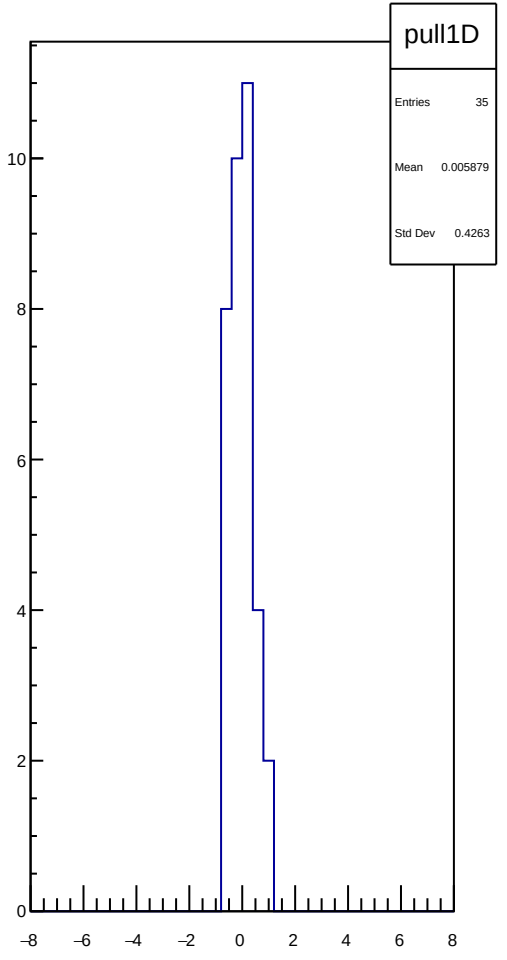

pull1D
Entries 35
Mean −0.008179
Std Dev 1.1

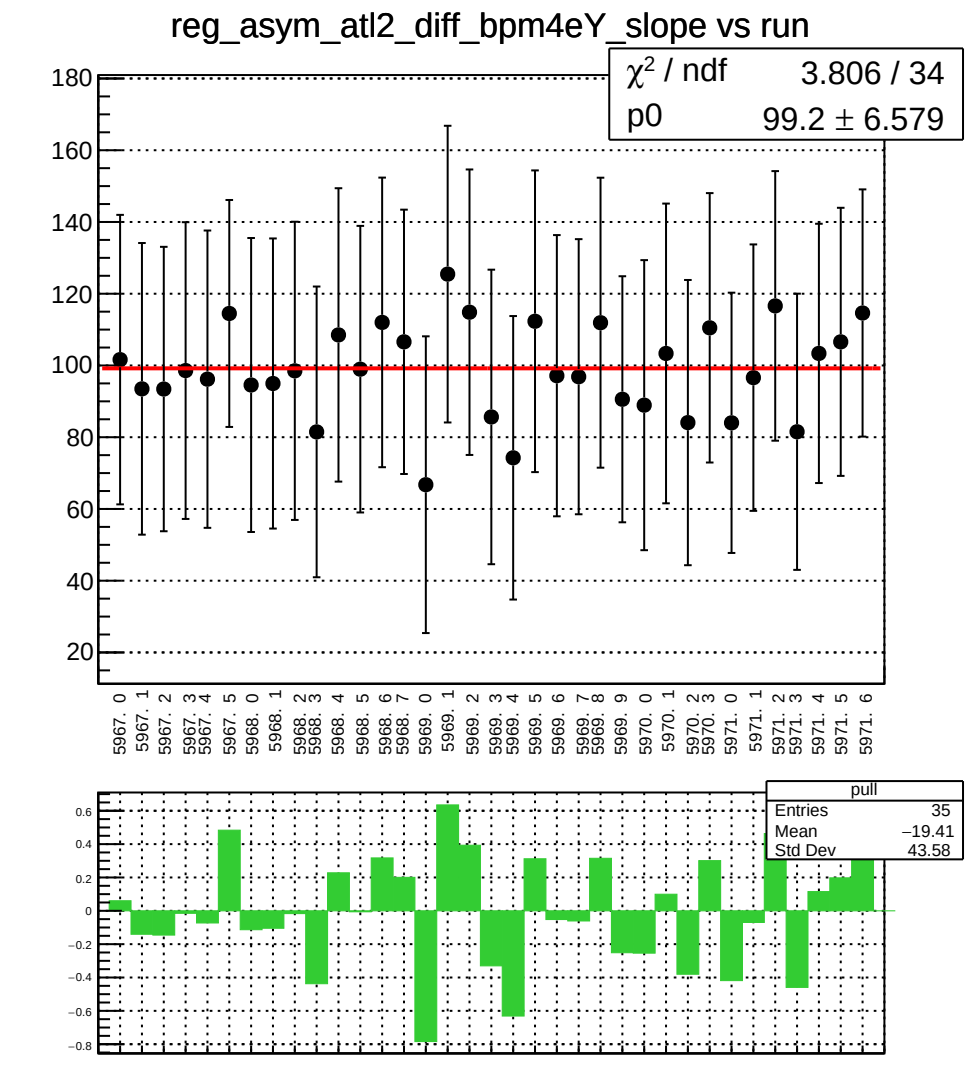

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 6.712 / 34
p0 −502.7 ± 13.12
−350
−400
−450
−500
−550
−600
−650
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 31.65
Std Dev 36.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 35
Mean −0.007321
Std Dev 0.4378
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

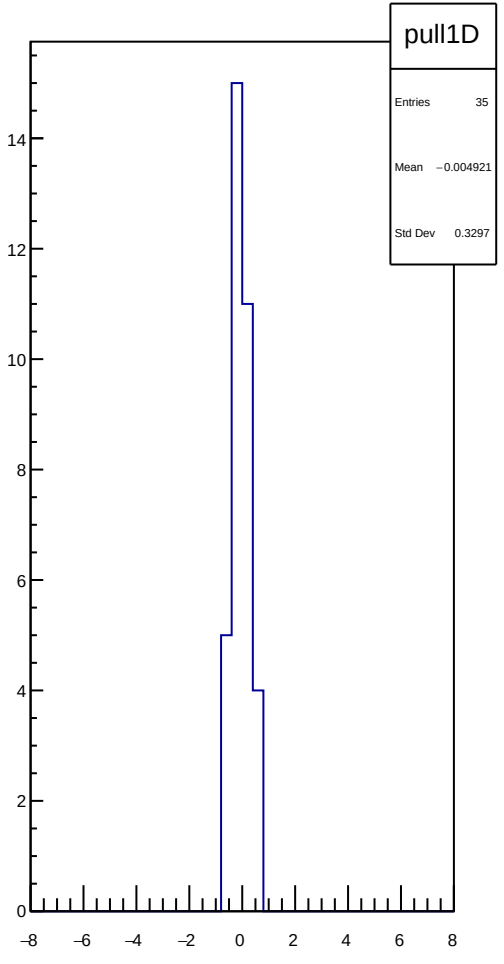

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 3.645 / 34
p0 −1.111 ± 5.065
pull
Entries 35
Mean −83.57
Std Dev 105.1

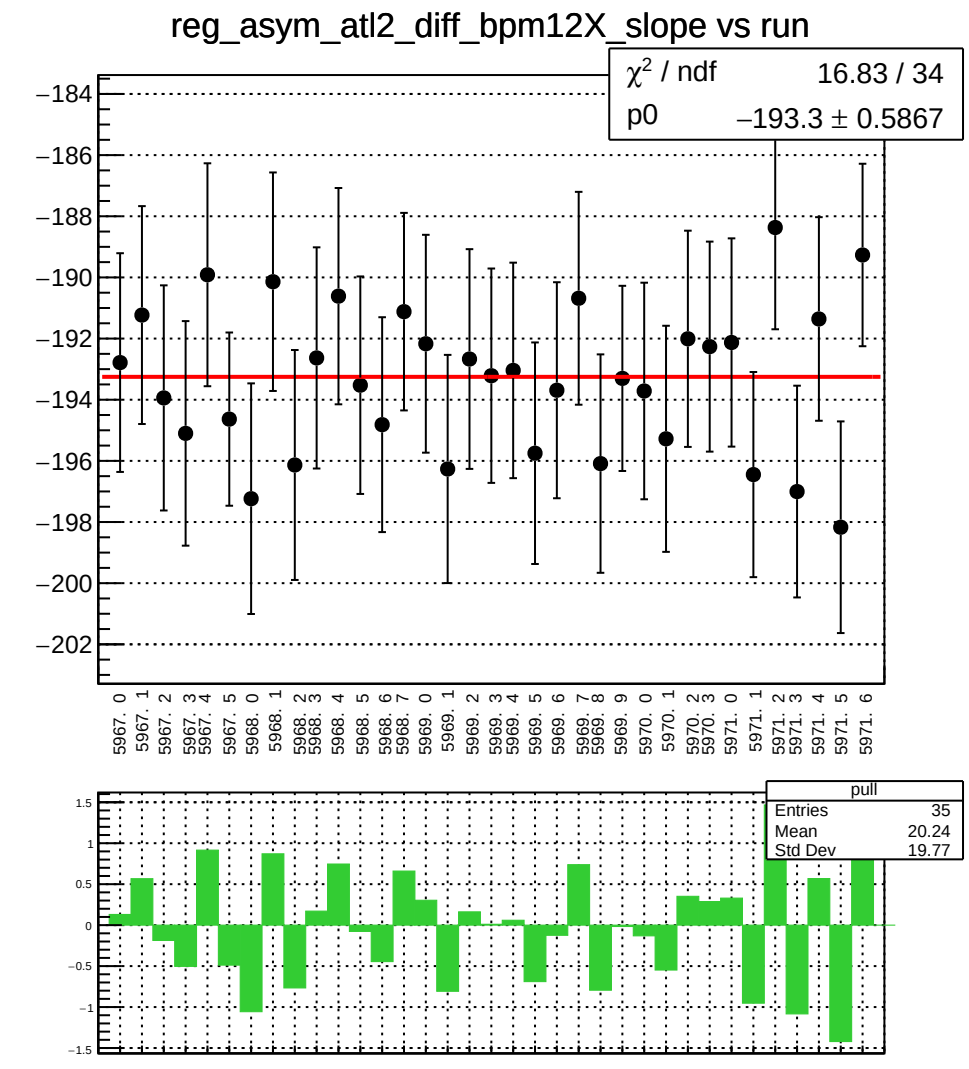

pull1D
Entries 35
Mean 0.00235
Std Dev 0.3227

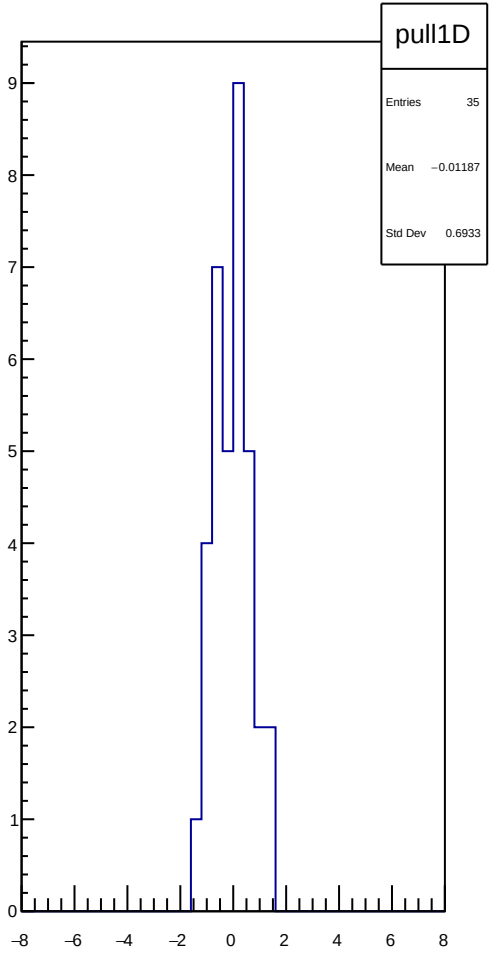

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 6.362 / 34
p0 495.6 ± 13.97
650
600
550
500
450
400
350
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 95.12
Std Dev 84.16
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

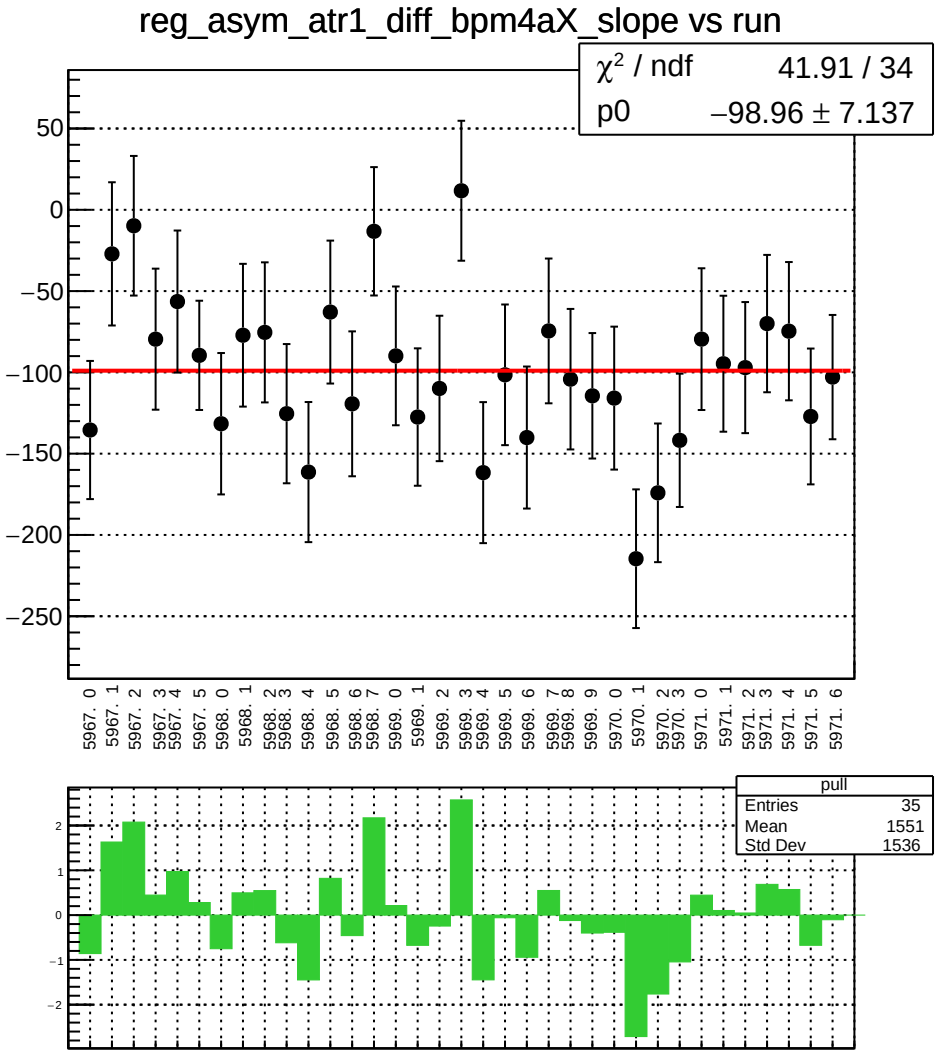

pull1D
Entries 35
Mean 0.005879
Std Dev 0.4263
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

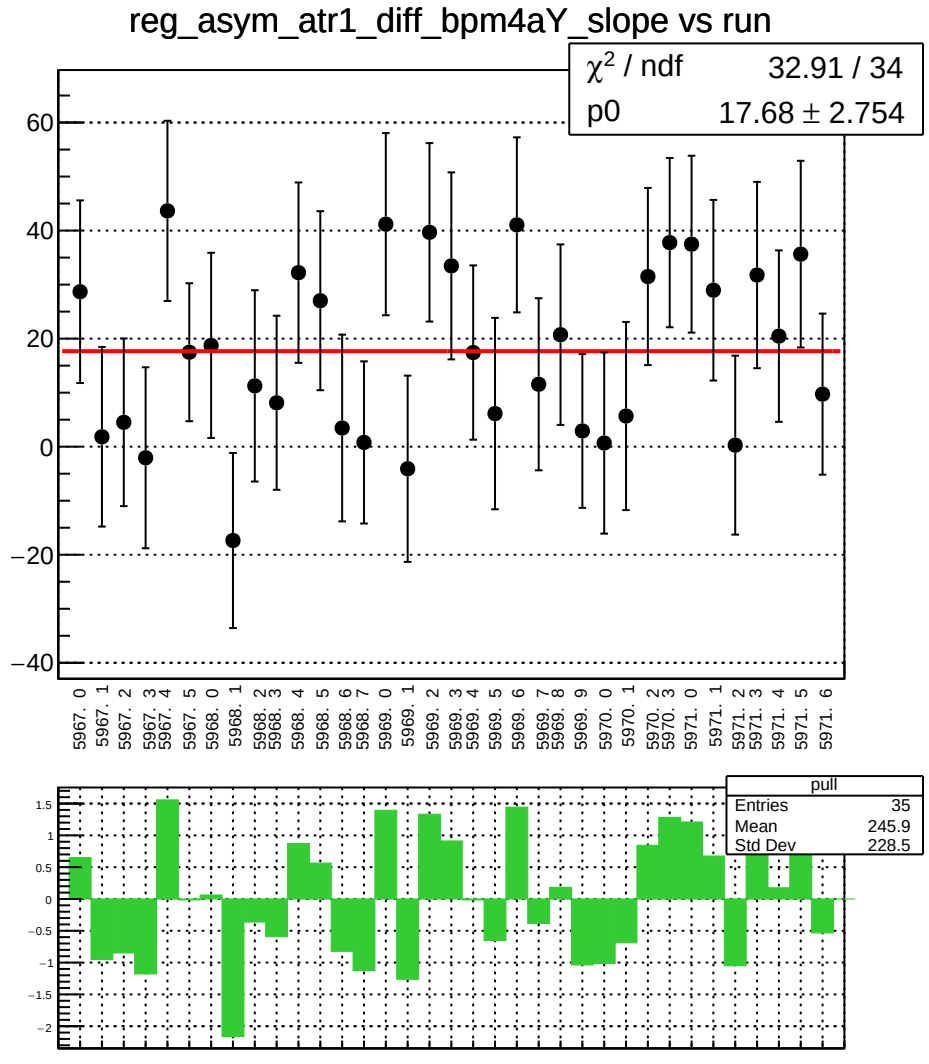

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 3.806 / 34
p0 99.2 ± 6.579
pull
Entries 35
Mean −19.41
Std Dev 43.58

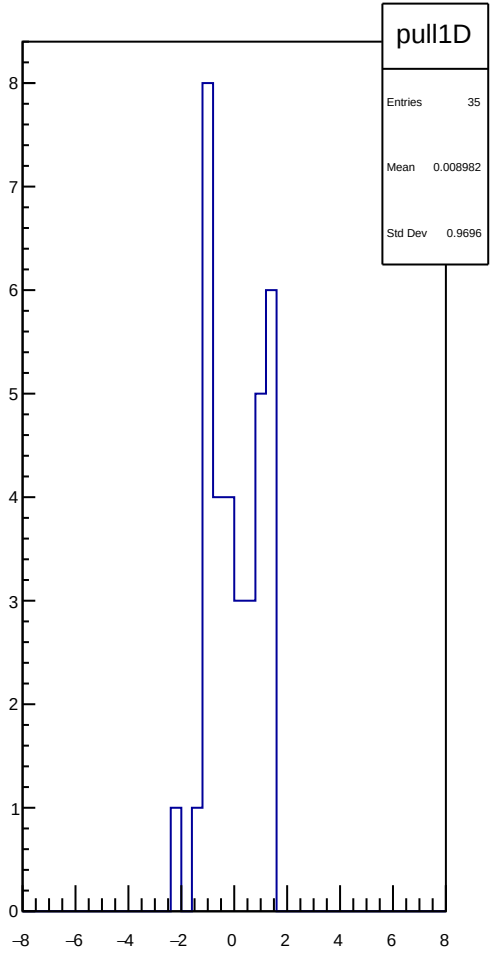

pull1D
Entries 35
Mean −0.004921
Std Dev 0.3297

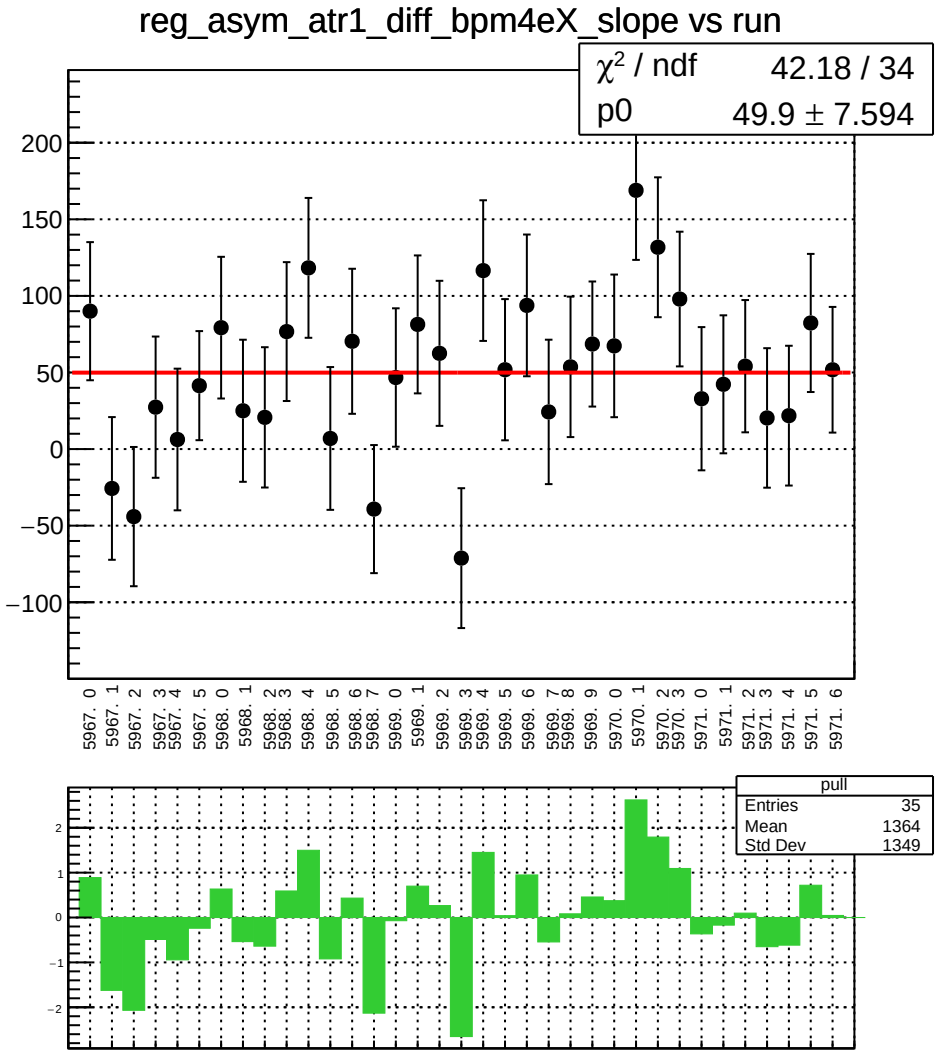

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 16.83 / 34
p0 −193.3 ± 0.5867
pull
Entries 35
Mean 20.24
Std Dev 19.77

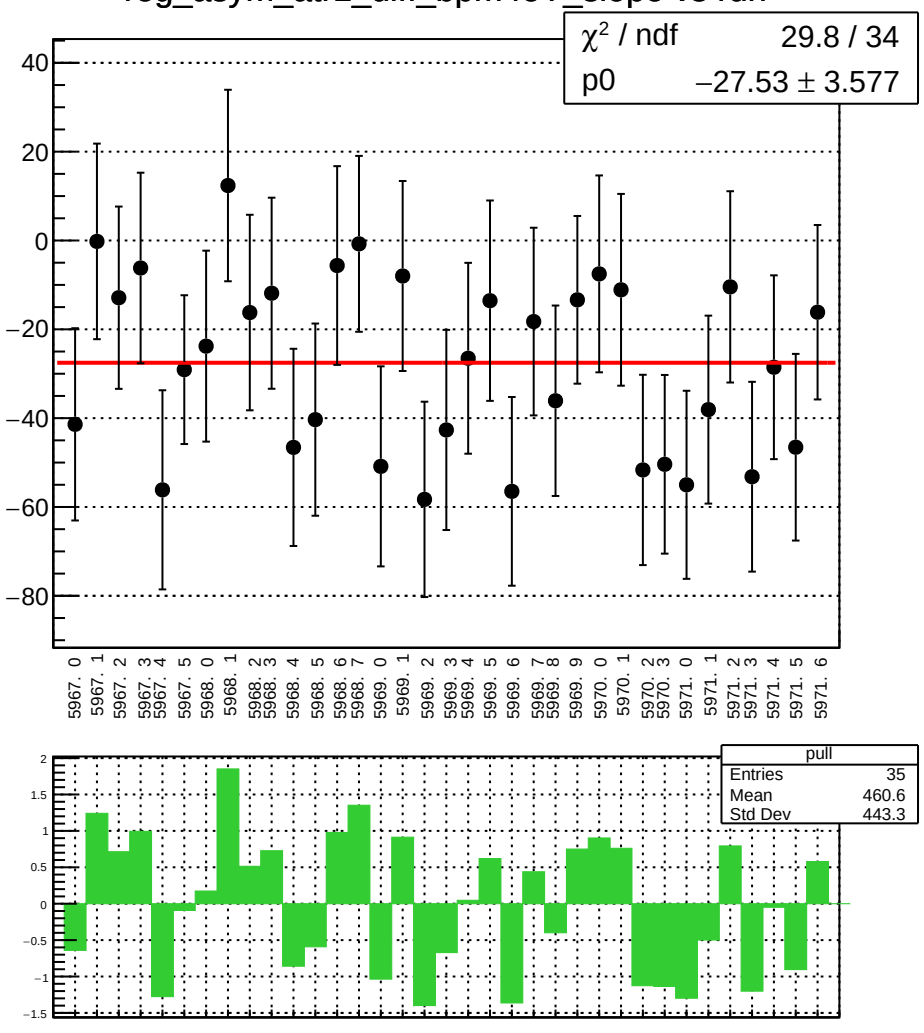

pull1D
Entries 35
Mean −0.01187
Std Dev 0.6933

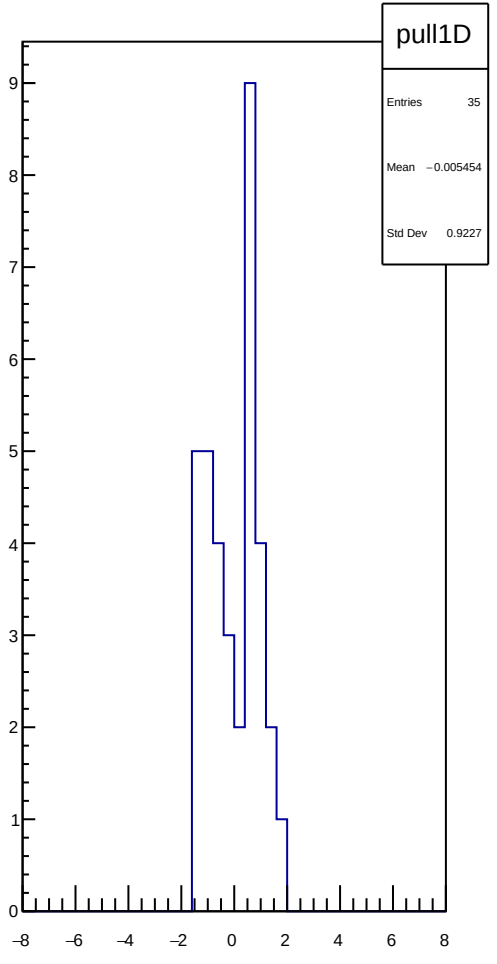

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 41.91 / 34
p0 −98.96 ± 7.137
50
0
−50
−100
−150
−200
−250
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1551
Std Dev 1536
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.001963
Std Dev 1.094
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

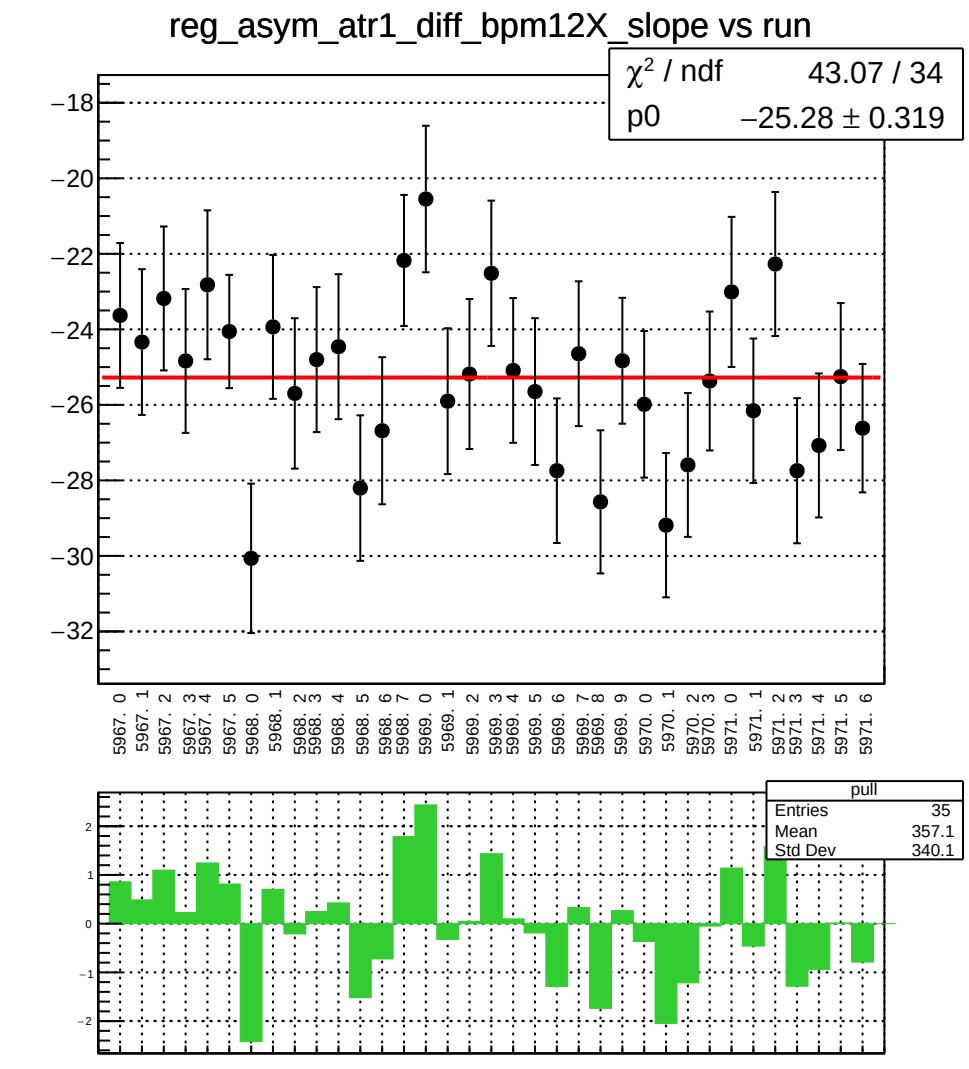

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 32.91 / 34
p0 17.68 ± 2.754
pull
Entries 35
Mean 245.9
Std Dev 228.5

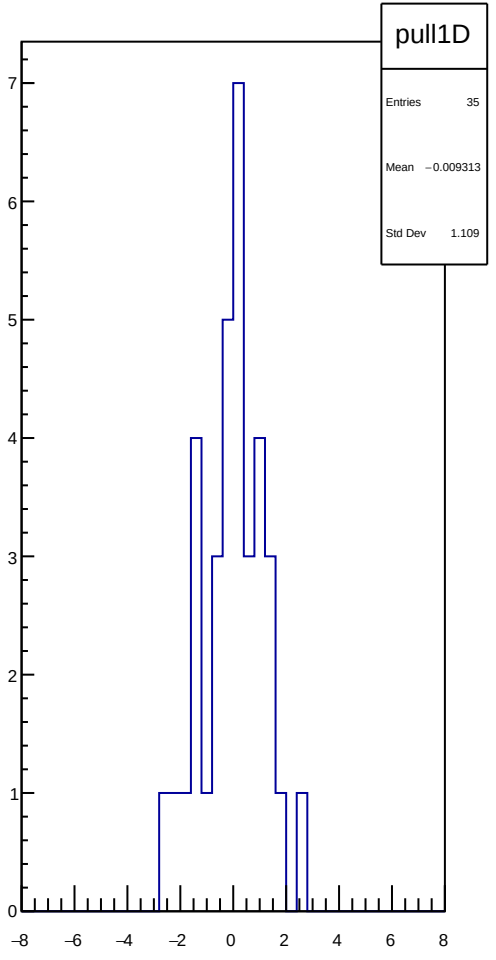

pull1D
Entries 35
Mean 0.008982
Std Dev 0.9696

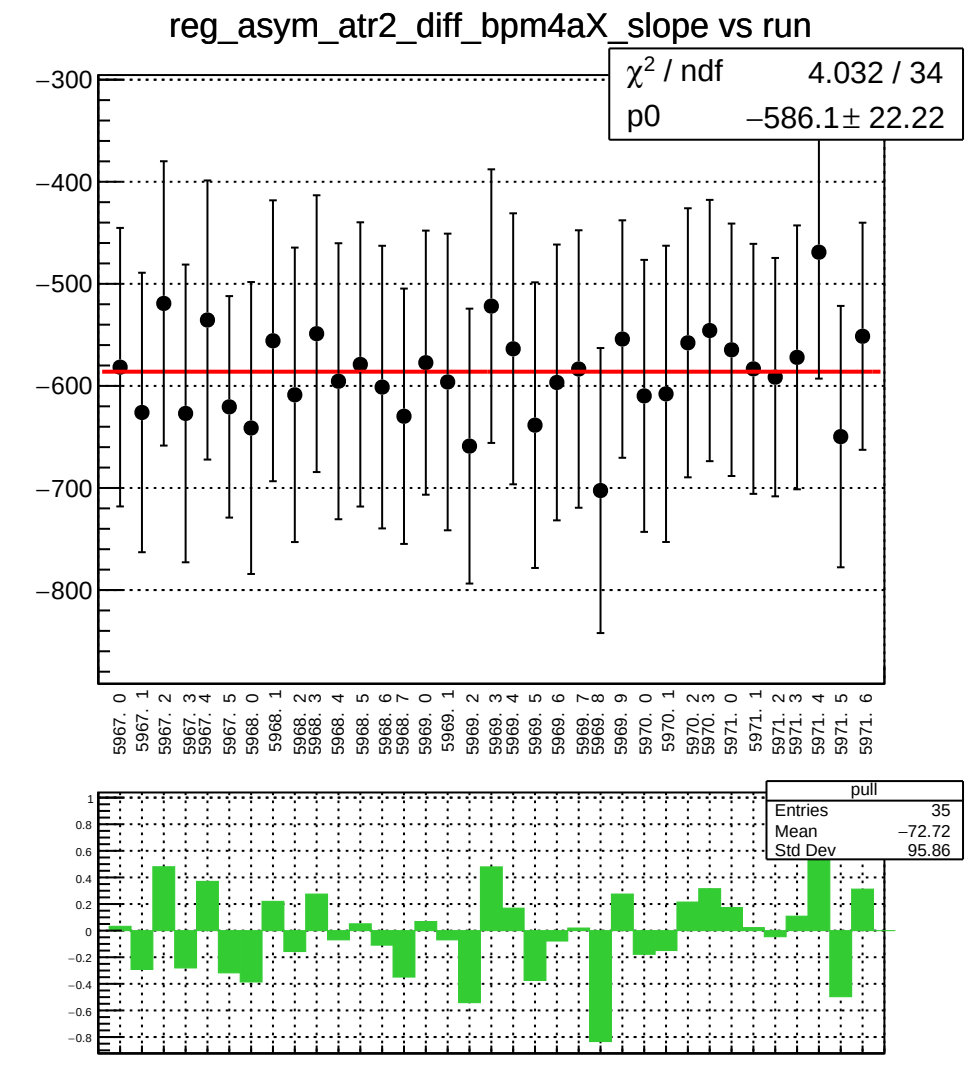

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 42.18 / 34
p0 49.9 ± 7.594
200
150
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 1364
Std Dev 1349
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.002299
Std Dev 1.098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

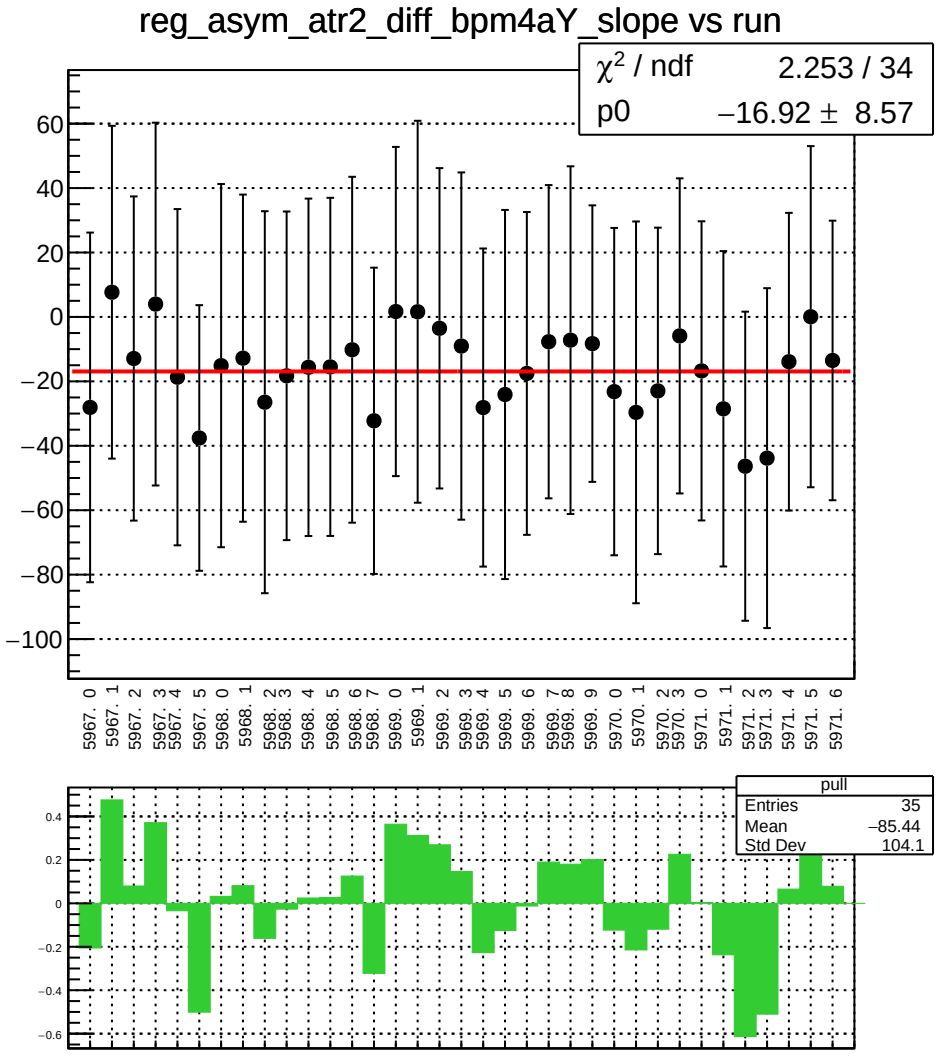

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 29.8 / 34
p0 −27.53 ± 3.577
pull
Entries 35
Mean 460.6
Std Dev 443.3

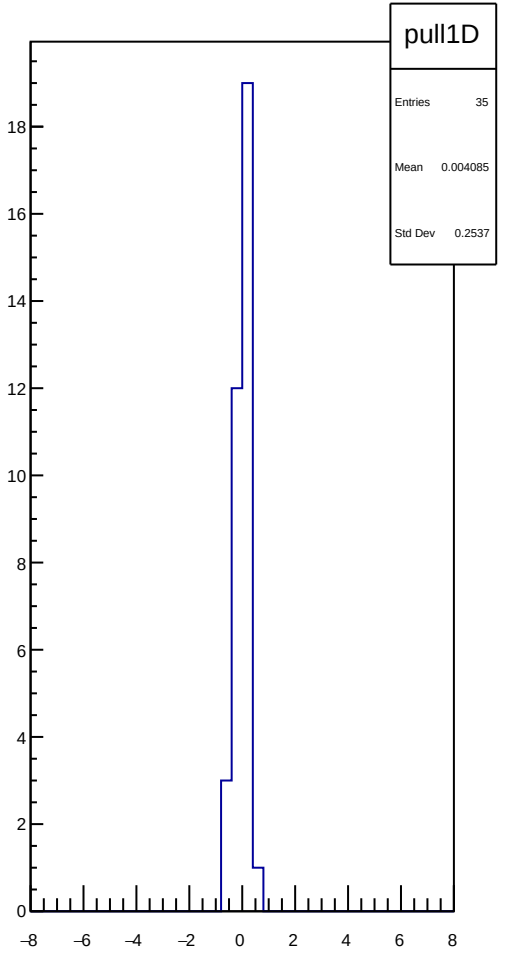

pull1D
Entries 35
Mean −0.005454
Std Dev 0.9227

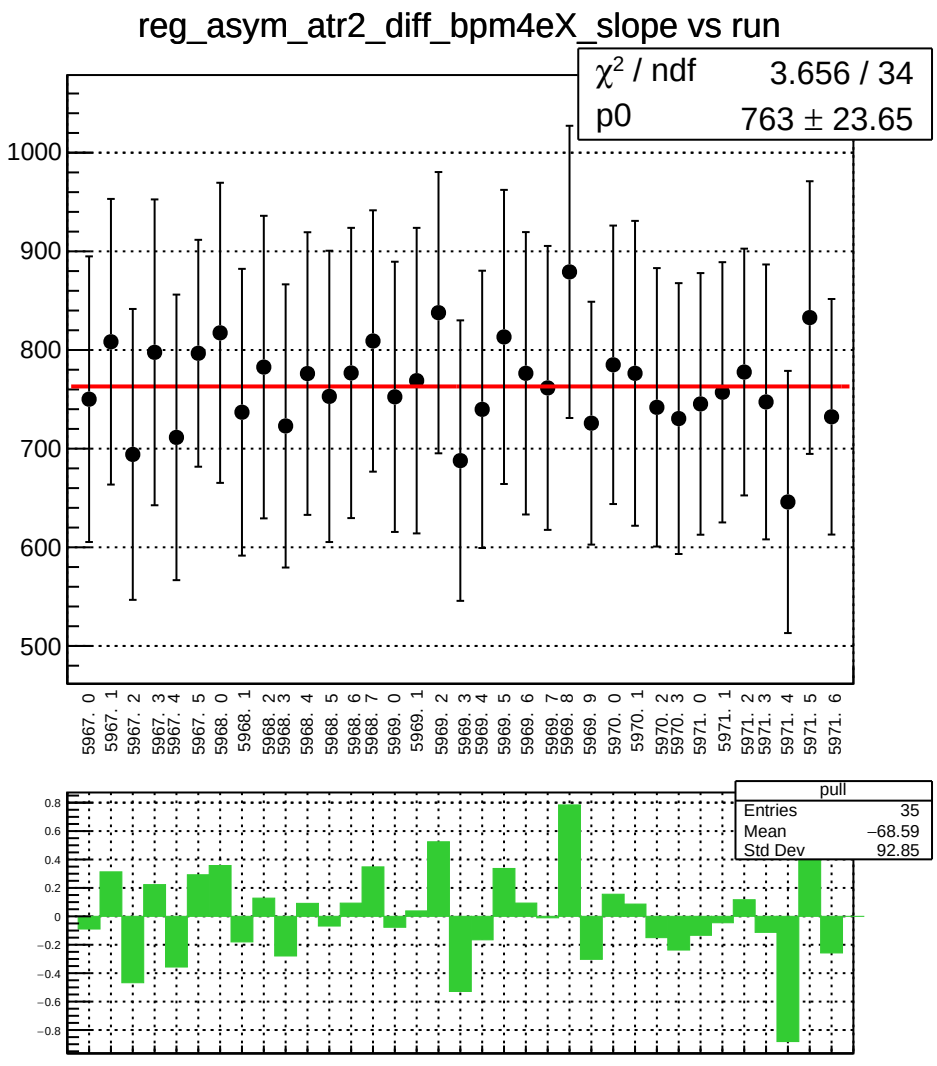

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 43.07 / 34
p0 −25.28 ± 0.319
pull
Entries 35
Mean 357.1
Std Dev 340.1

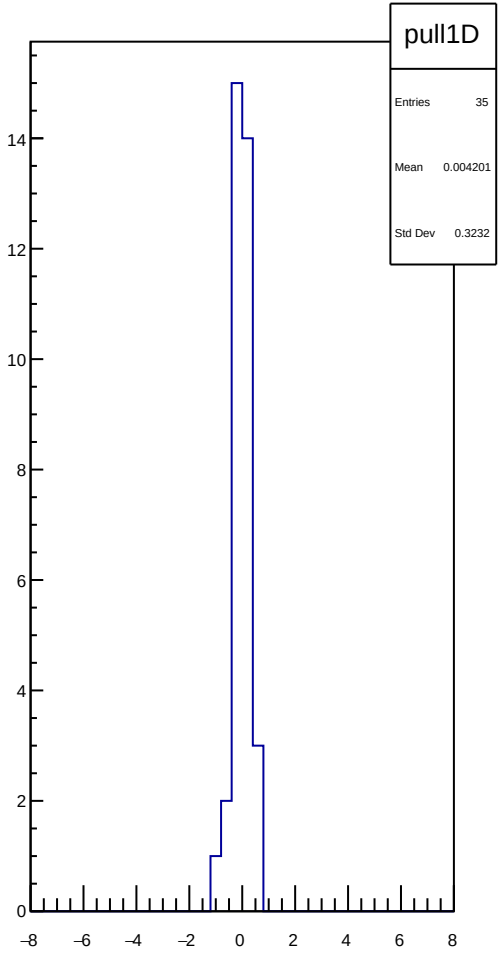

pull1D
Entries 35
Mean −0.009313
Std Dev 1.109

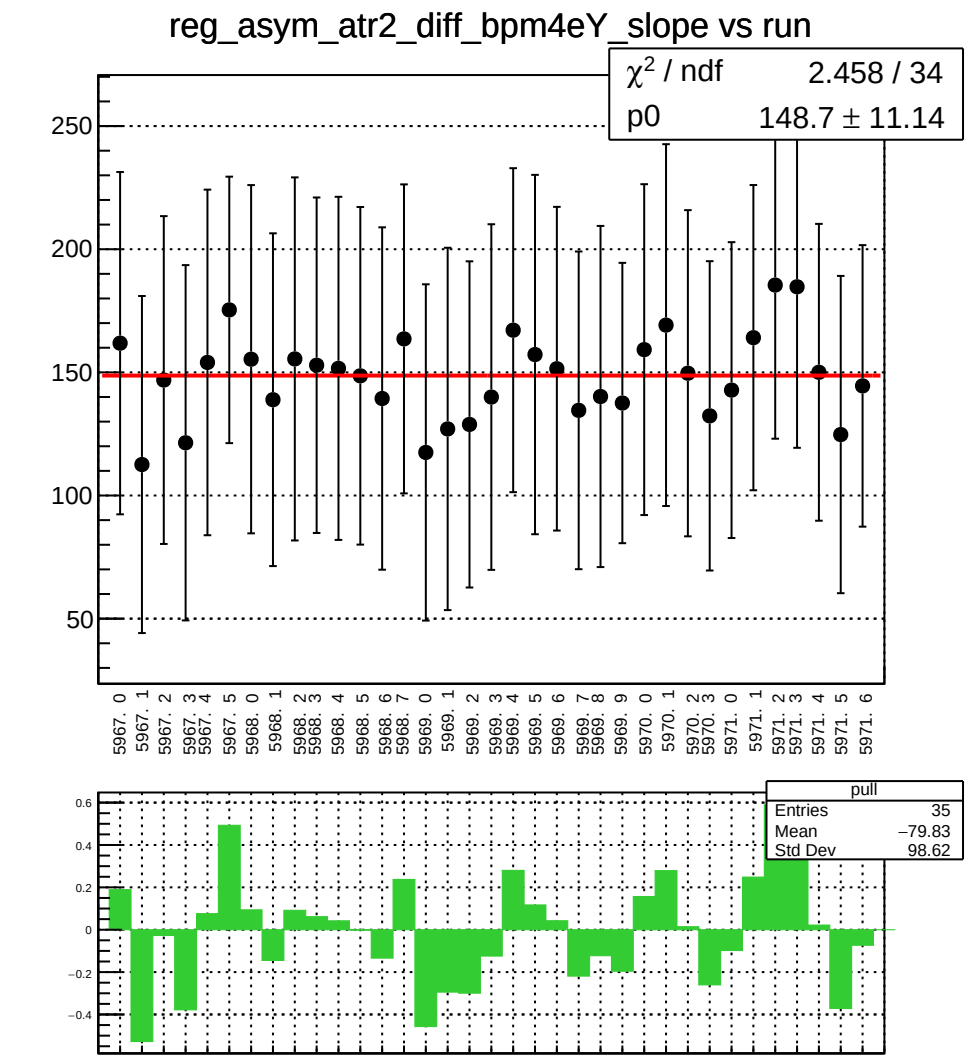

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 4.032 / 34
p0 −586.1± 22.22
−300
−400
−500
−600
−700
−800
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −72.72
Std Dev 95.86
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean −0.00561
Std Dev 0.3394
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

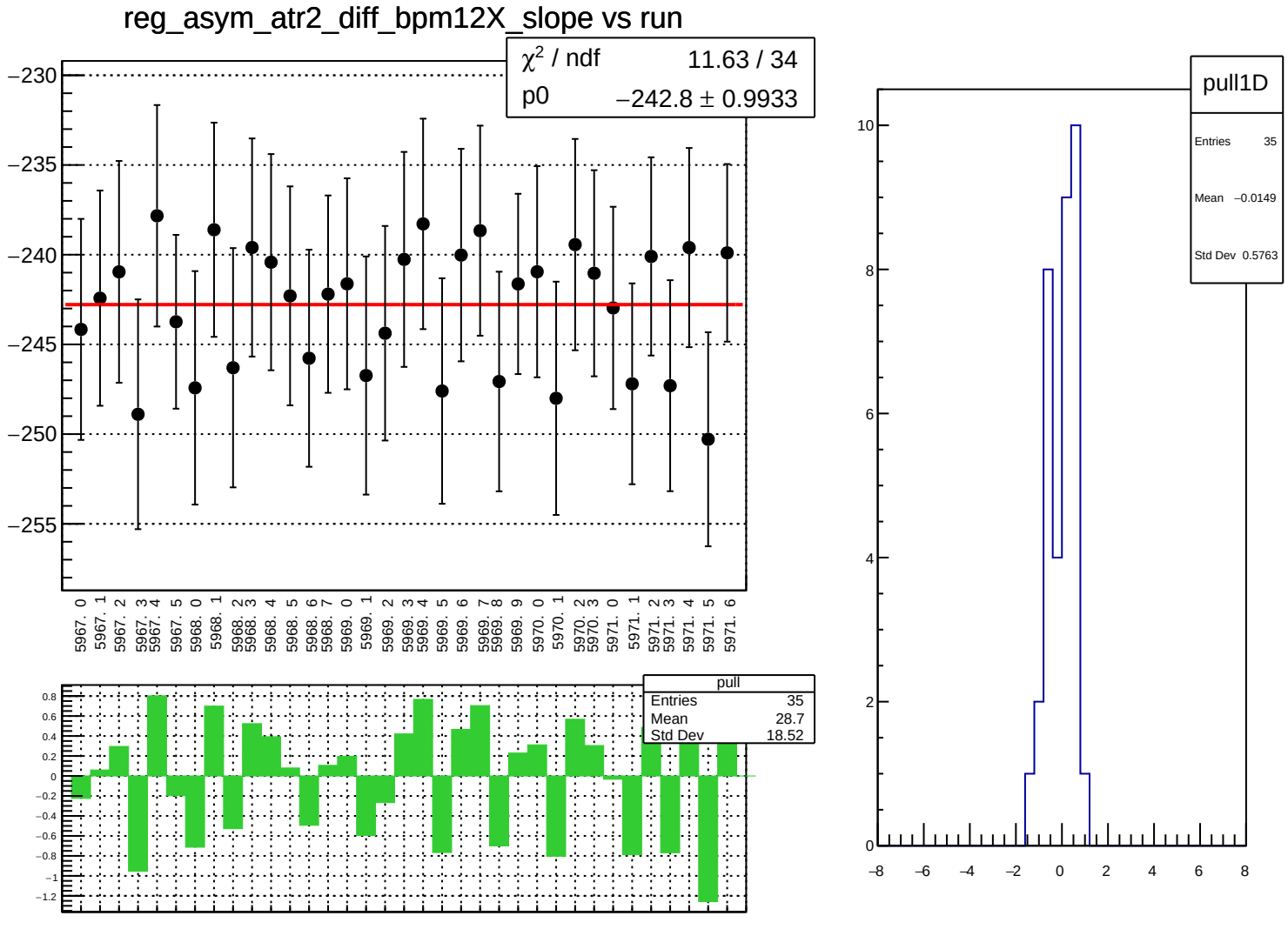

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.253 / 34
p0 −16.92 ± 8.57
pull
Entries 35
Mean −85.44
Std Dev 104.1

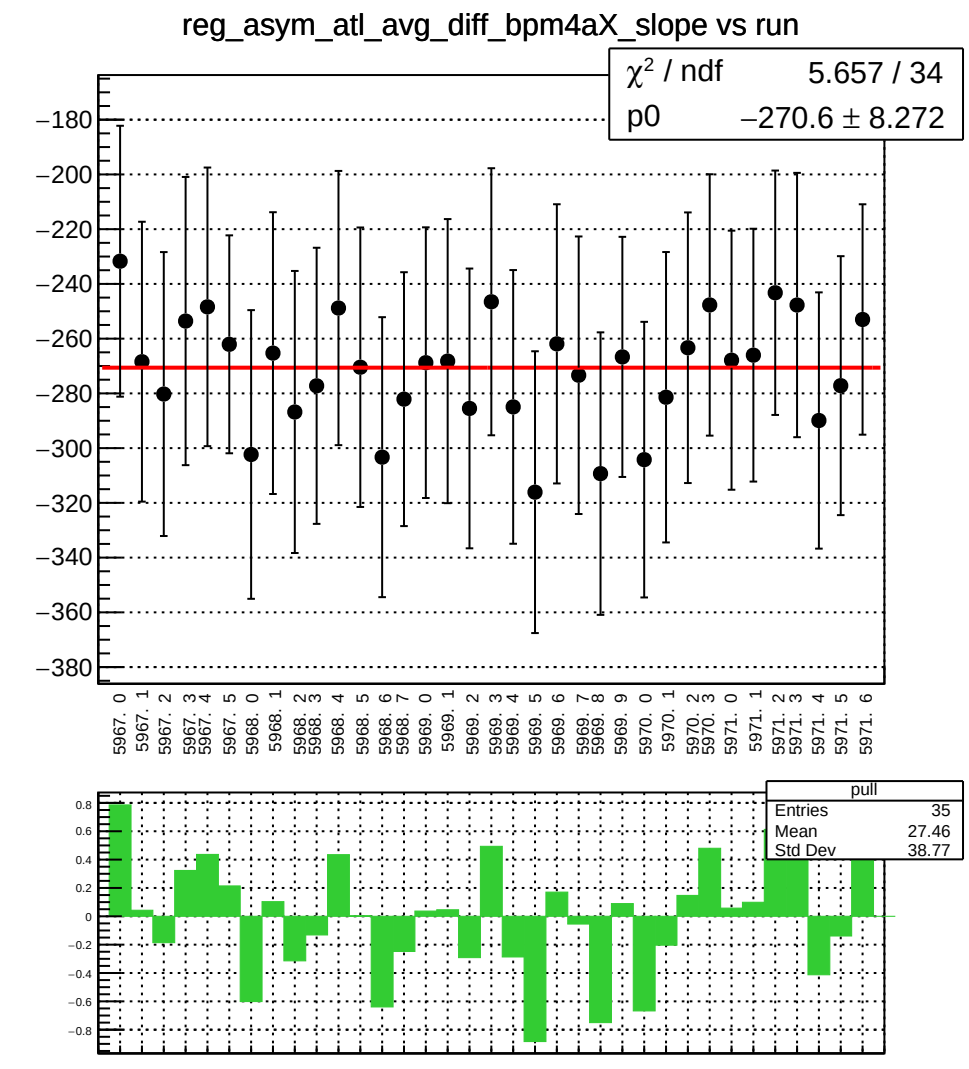

pull1D
Entries 35
Mean 0.004085
Std Dev 0.2537

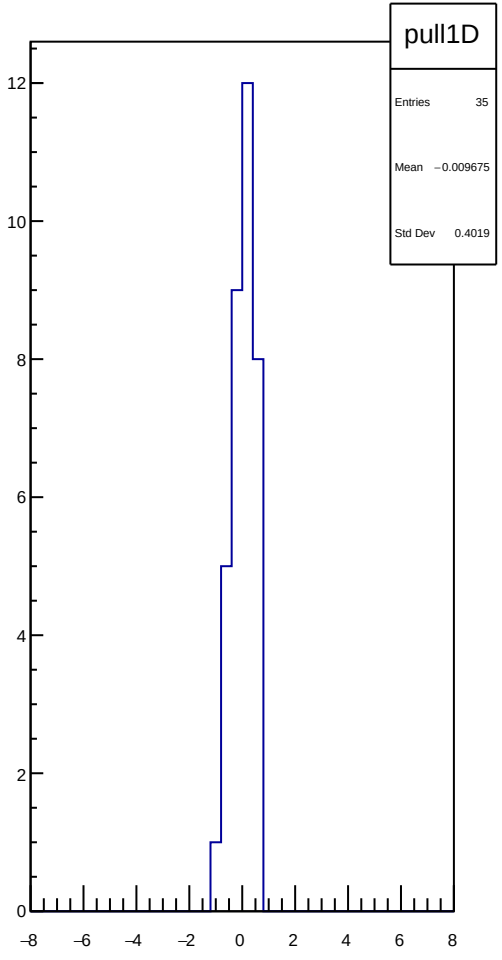

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 3.656 / 34
p0 763 ± 23.65
1000
900
800
700
600
500
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −68.59
Std Dev 92.85
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

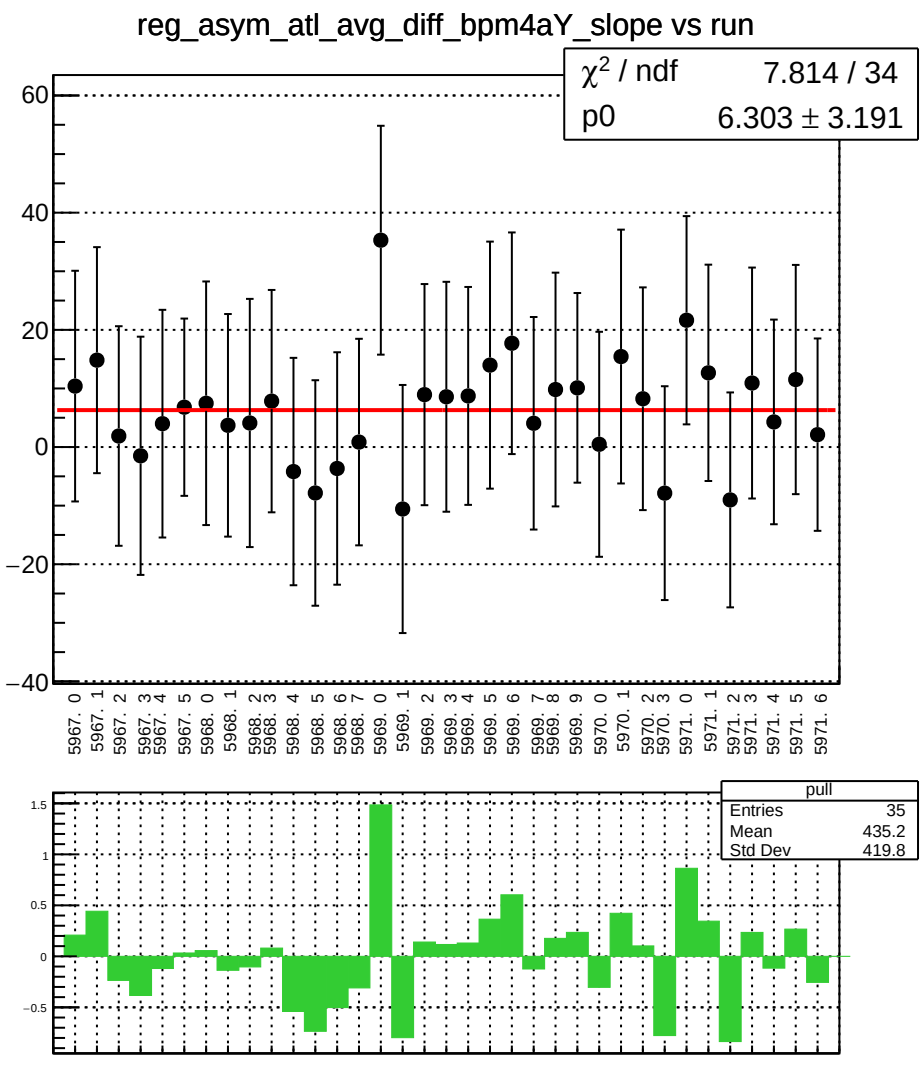

pull1D
Entries 35
Mean 0.004201
Std Dev 0.3232
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

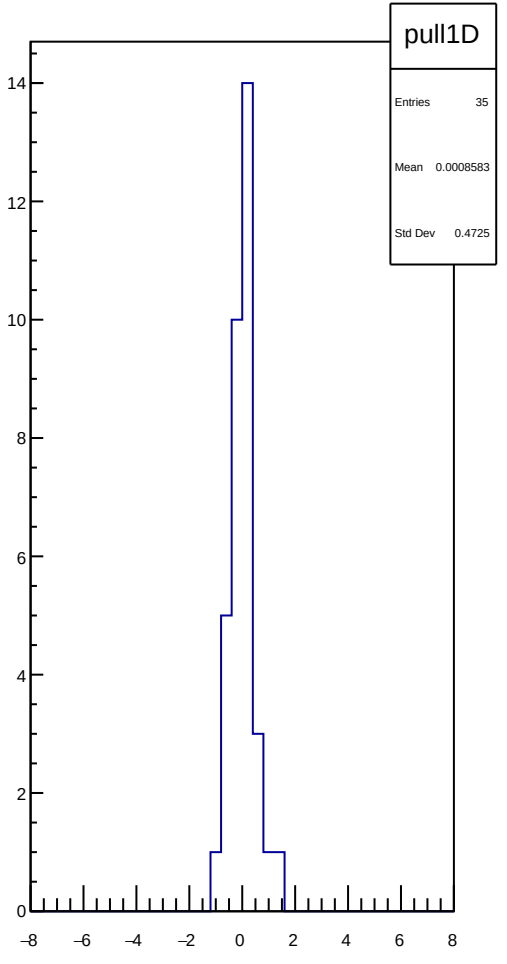

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 2.458 / 34
p0 148.7 ± 11.14
250
200
150
100
50
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −79.83
Std Dev 98.62
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean −0.004129
Std Dev 0.265
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

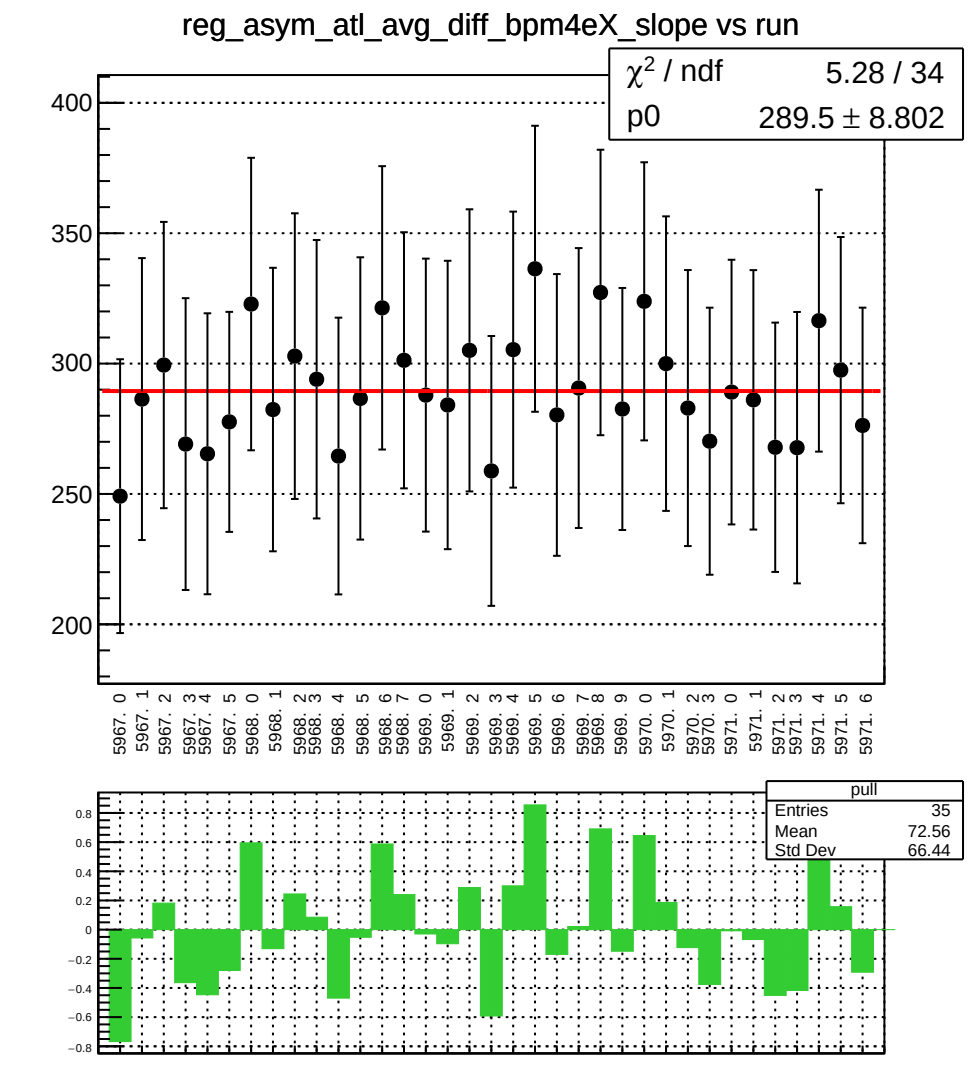

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 11.63 / 34
p0 −242.8 ± 0.9933
−230
−235
−240
−245
−250
−255
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 28.7
Std Dev 18.52
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 35
Mean −0.0149
Std Dev 0.5763
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

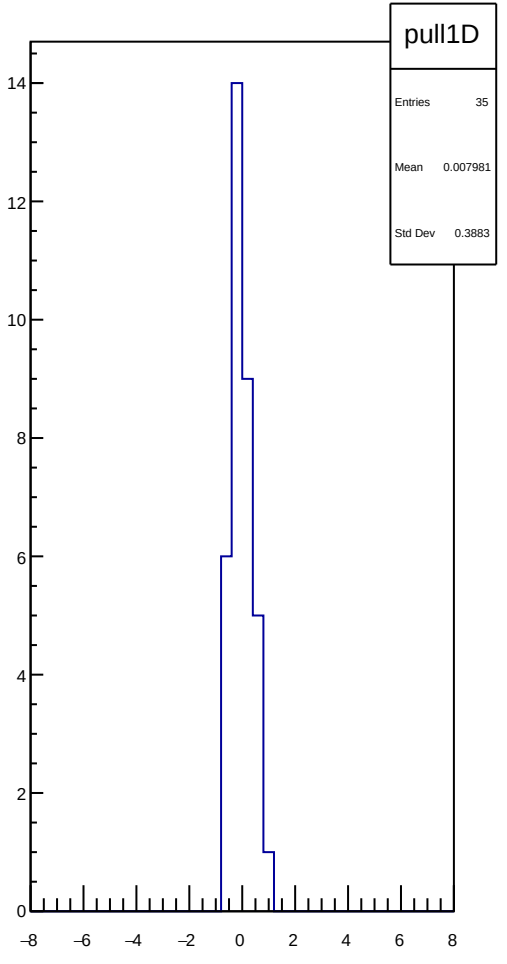

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.657 / 34
p0 −270.6 ± 8.272
pull
Entries 35
Mean 27.46
Std Dev 38.77

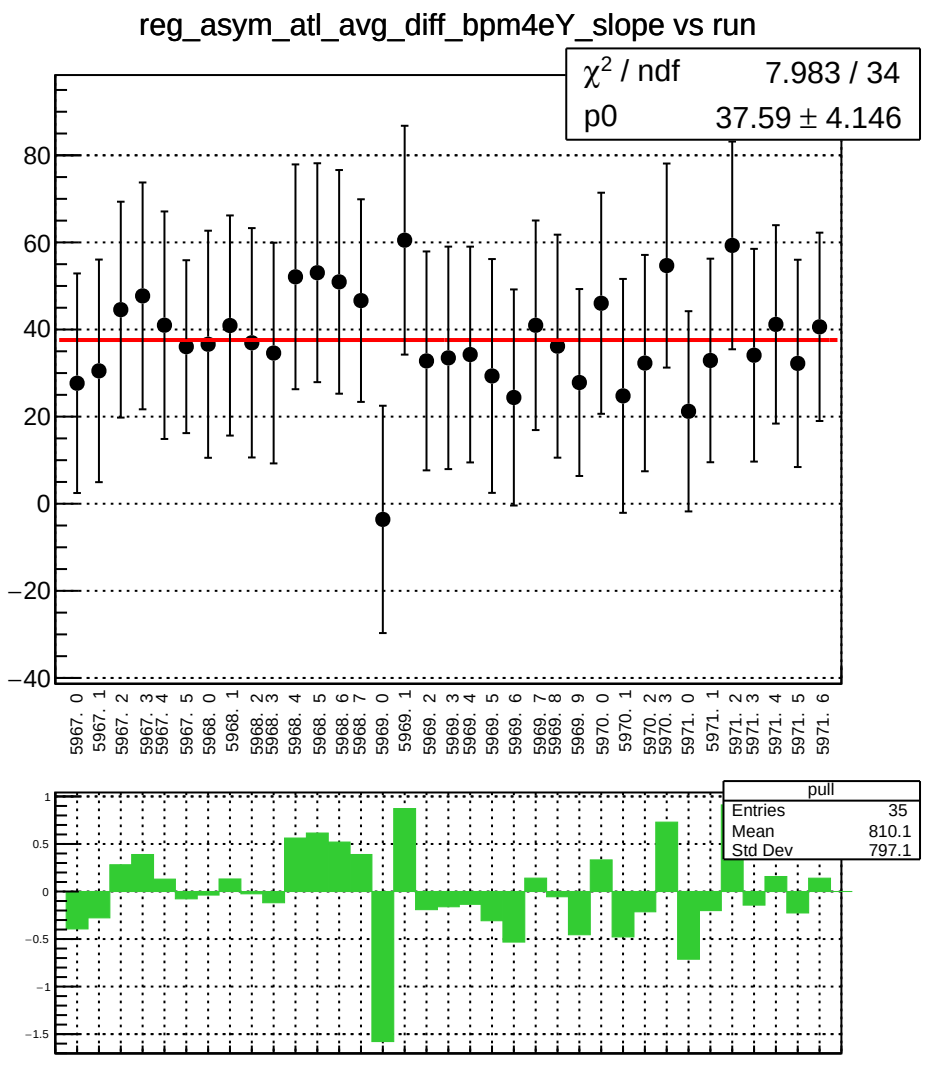

pull1D
Entries 35
Mean −0.009675
Std Dev 0.4019

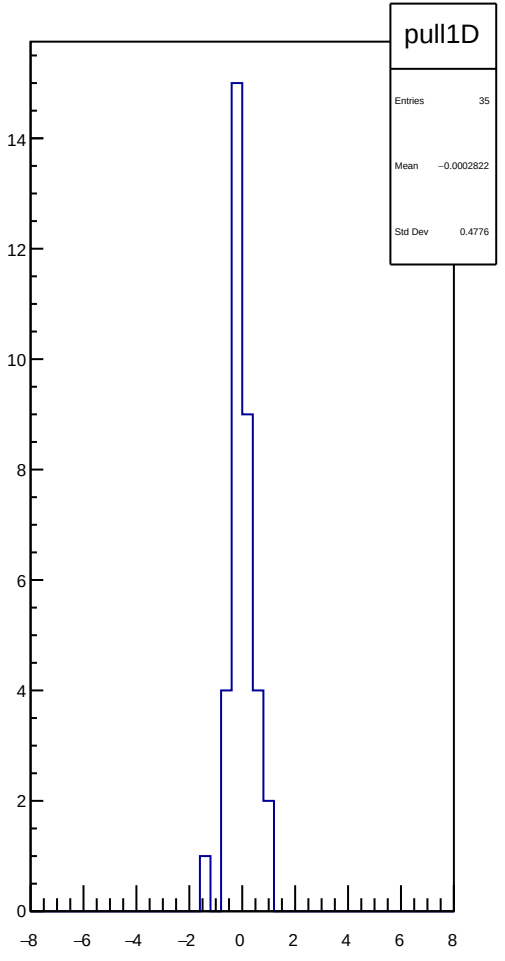

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.814 / 34
p0 6.303 ± 3.191
60
40
20
0
−20
−40
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 435.2
Std Dev 419.8
1.5
1
0.5
0
−0.5

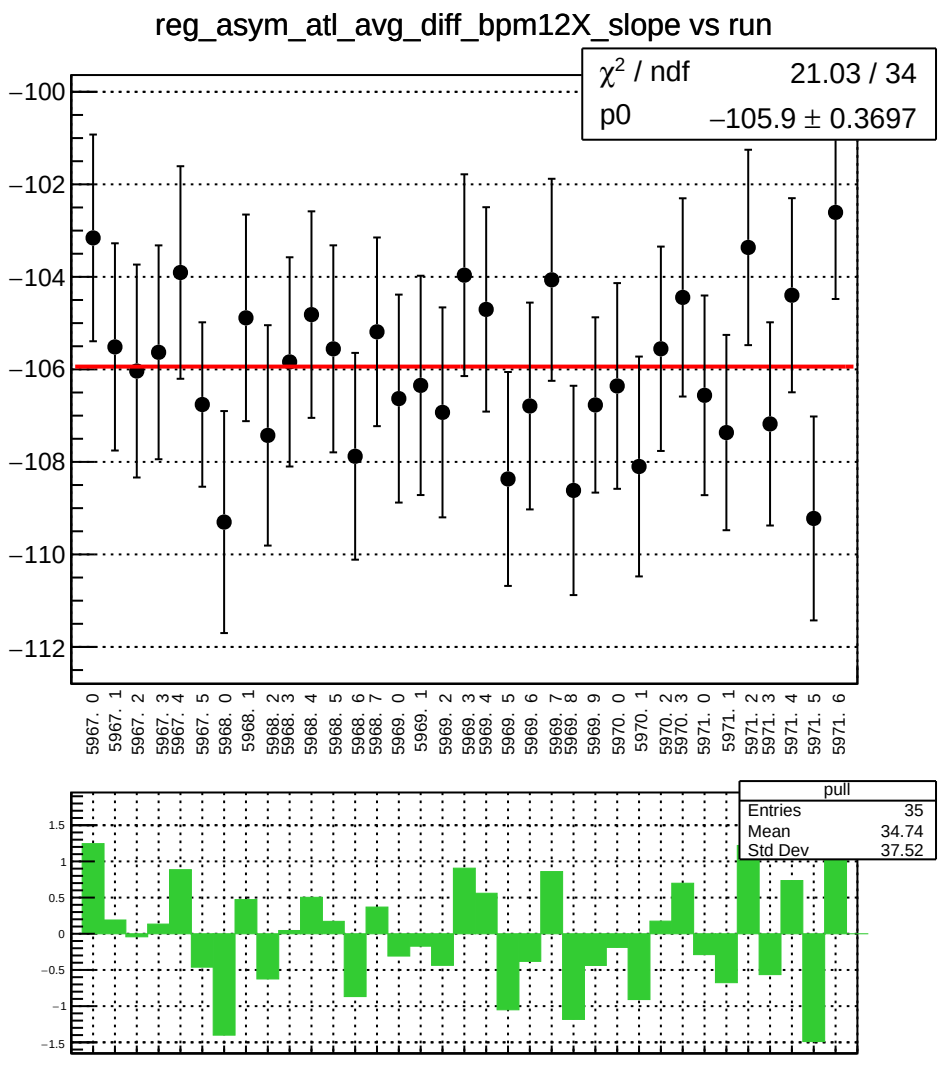

pull1D
Entries 35
Mean 0.0008583
Std Dev 0.4725
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

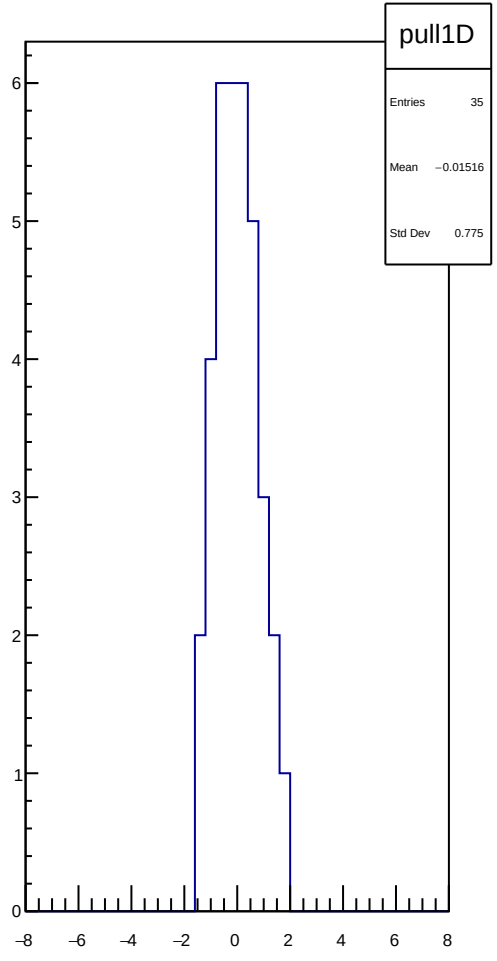

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.28 / 34
p0 289.5 ± 8.802
400
350
300
250
200
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 72.56
Std Dev 66.44
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

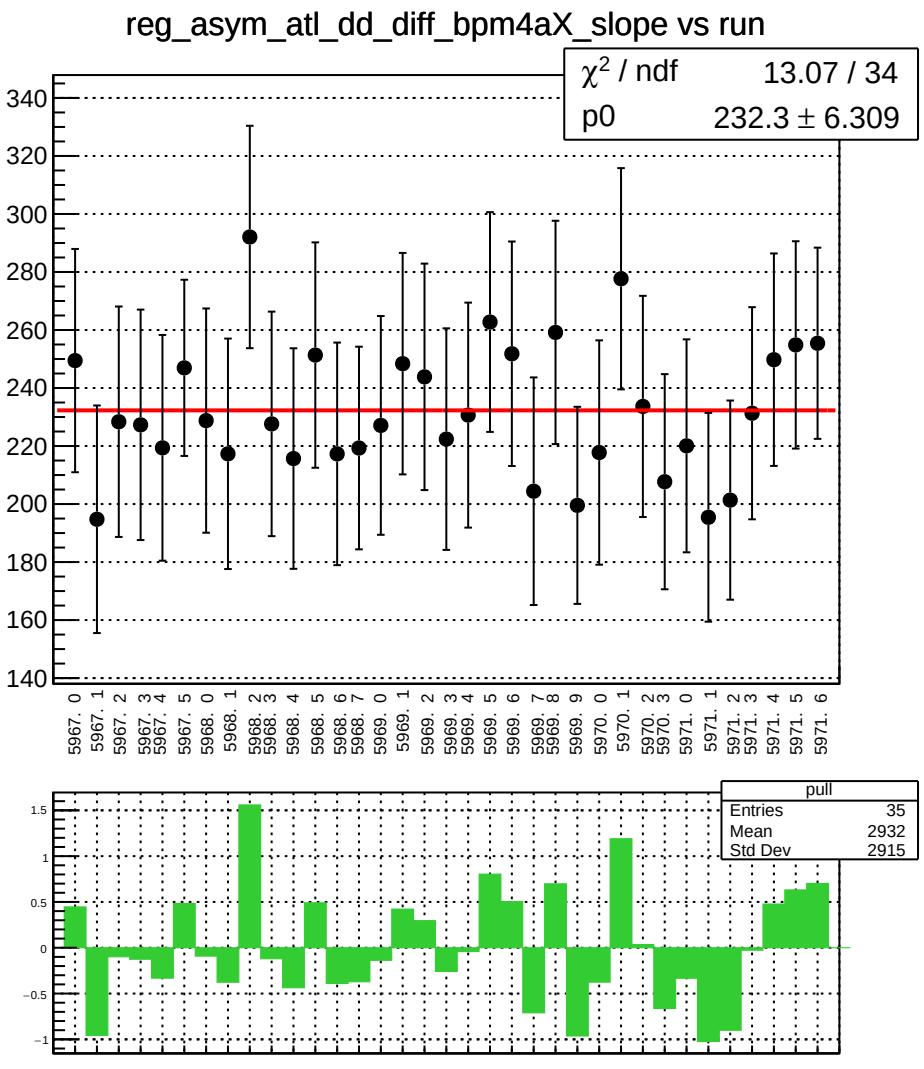

pull1D
Entries 35
Mean 0.007981
Std Dev 0.3883
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

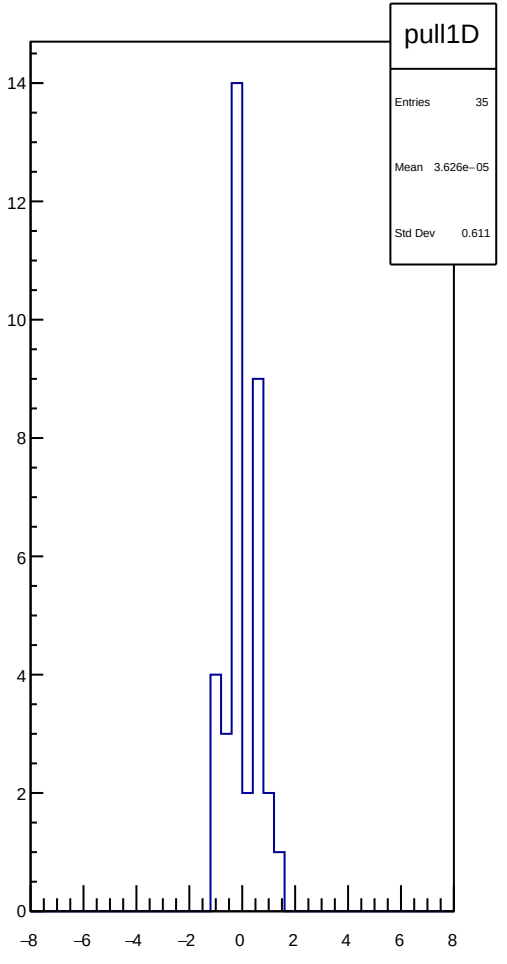

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.983 / 34
p0 37.59 ± 4.146
pull
Entries 35
Mean 810.1
Std Dev 797.1

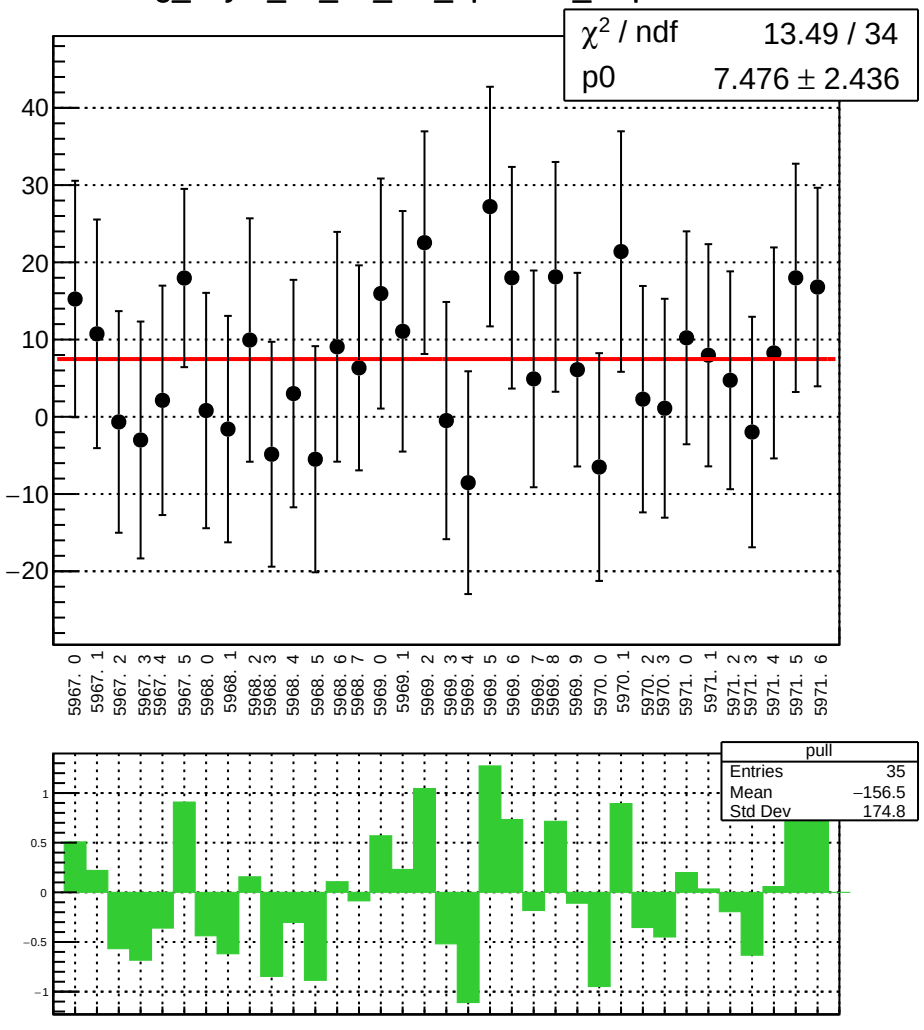

pull1D
Entries 35
Mean −0.0002822
Std Dev 0.4776

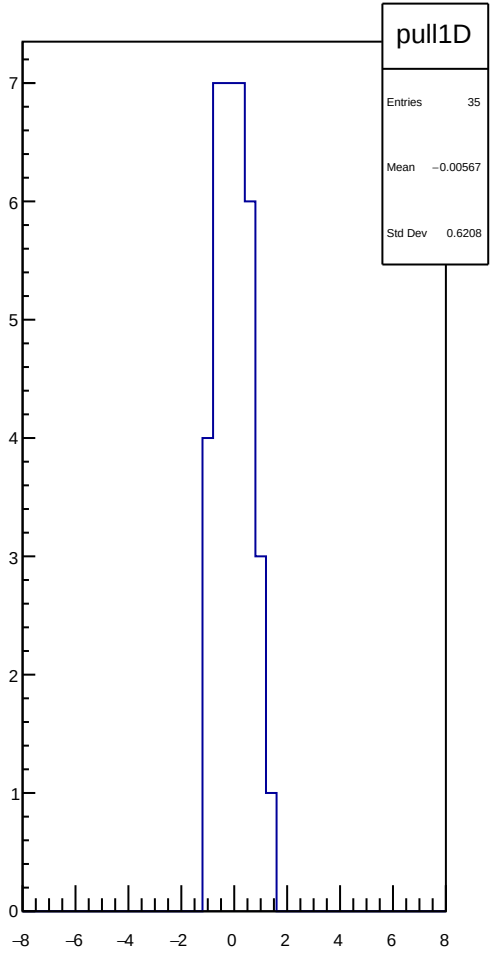

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 21.03 / 34
p0 −105.9 ± 0.3697
pull
Entries 35
Mean 34.74
Std Dev 37.52

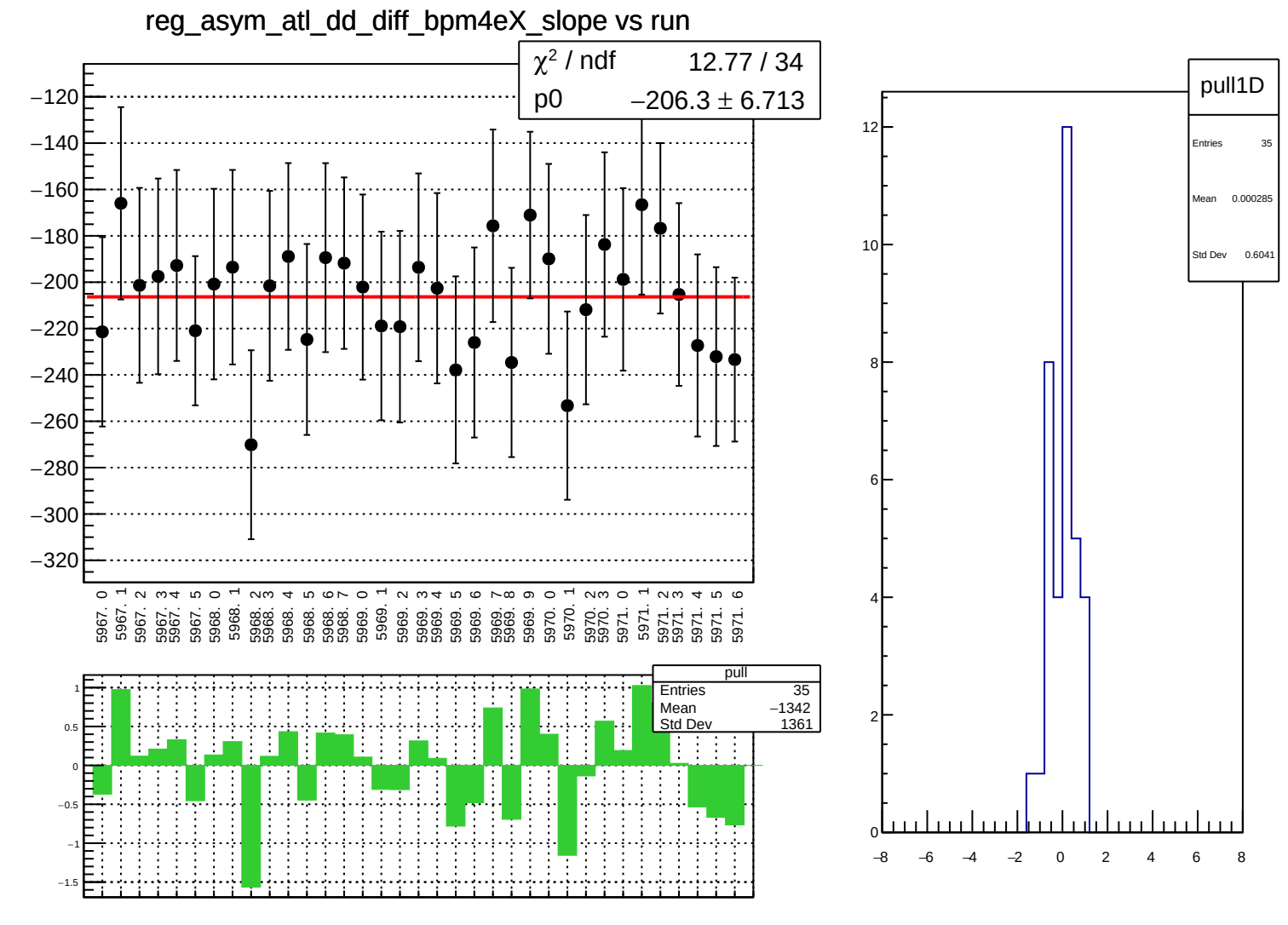

pull1D
Entries 35
Mean −0.01516
Std Dev 0.775

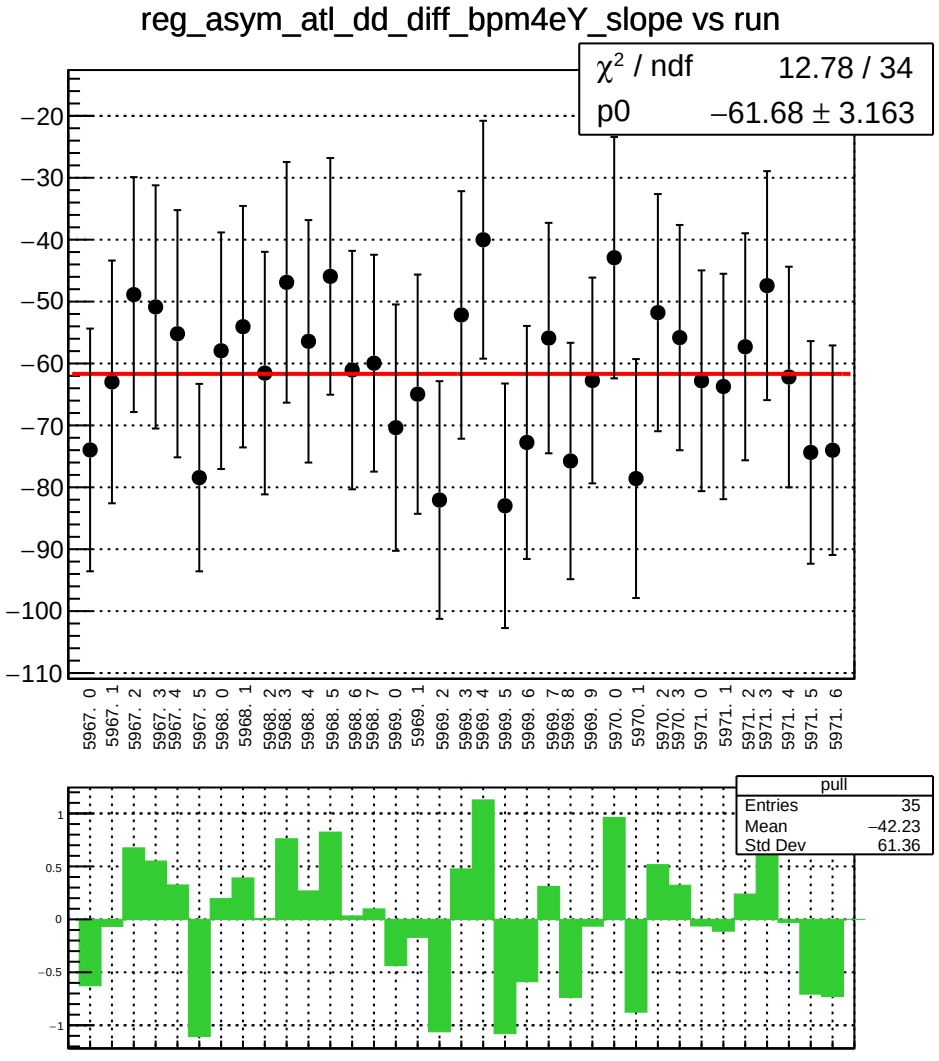

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.07 / 34
p0 232.3 ± 6.309
340
320
300
280
260
240
220
200
180
160
140
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 2932
Std Dev 2915
1.5
1
0.5
0
−0.5
−1

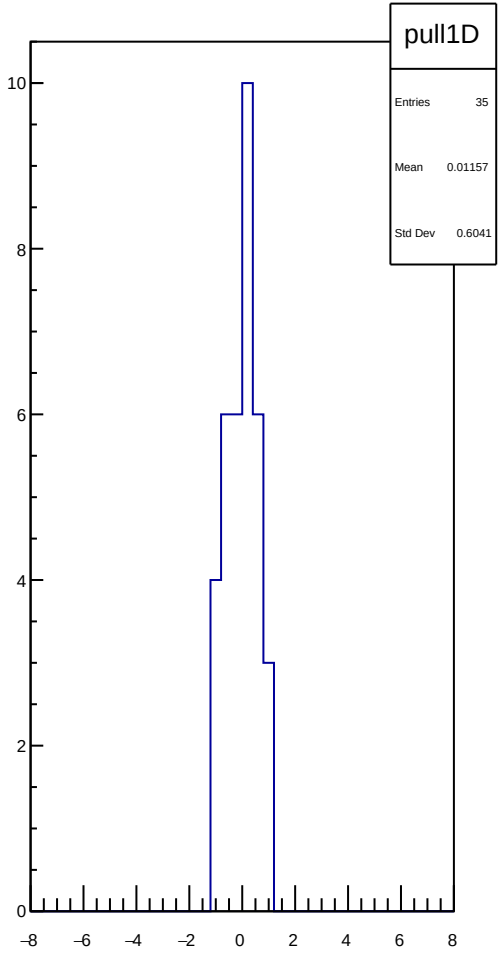

pull1D
Entries 35
Mean 3.626e−05
Std Dev 0.611
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

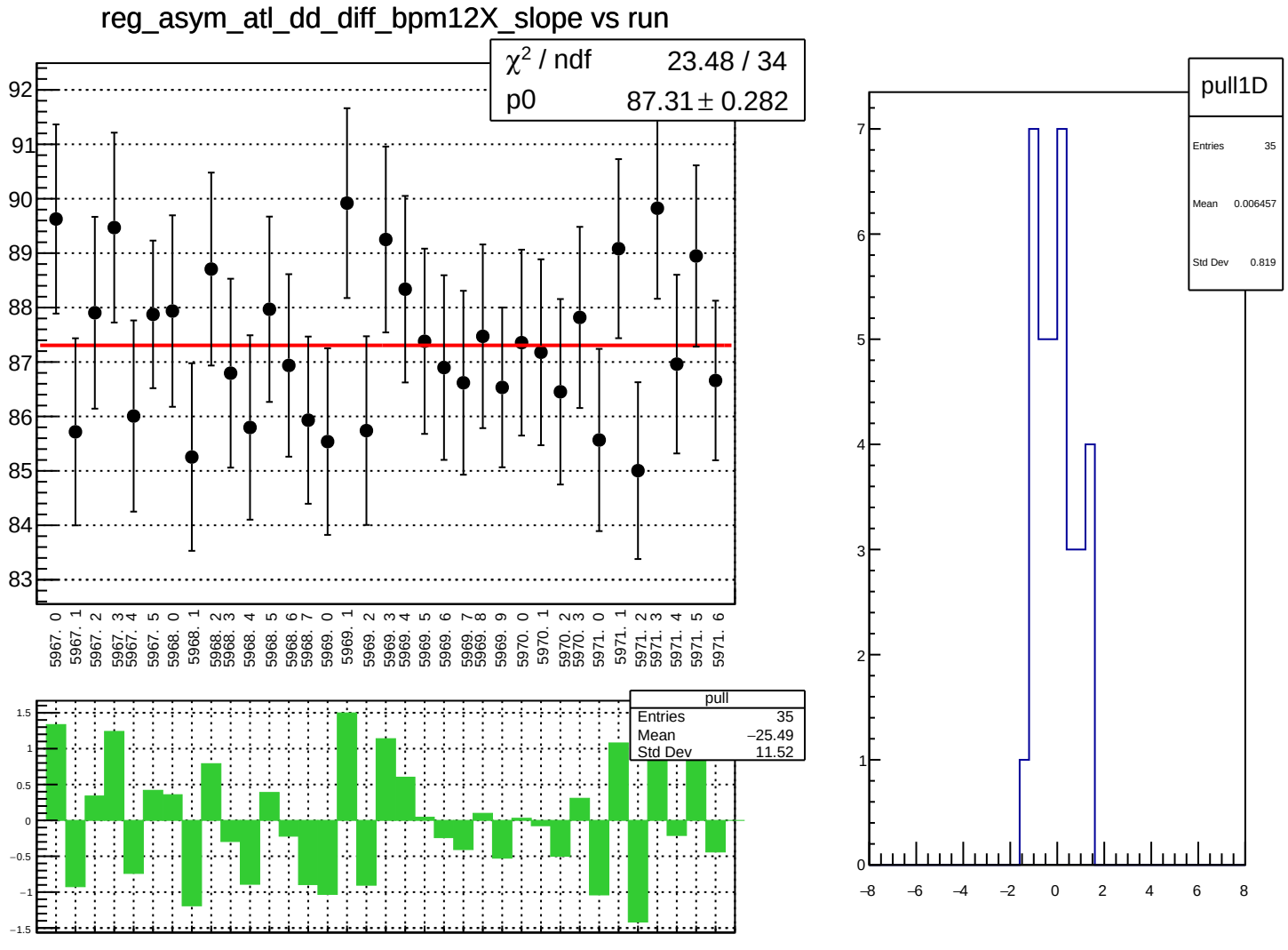

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.49 / 34
p0 7.476 ± 2.436
pull
Entries 35
Mean −156.5
Std Dev 174.8

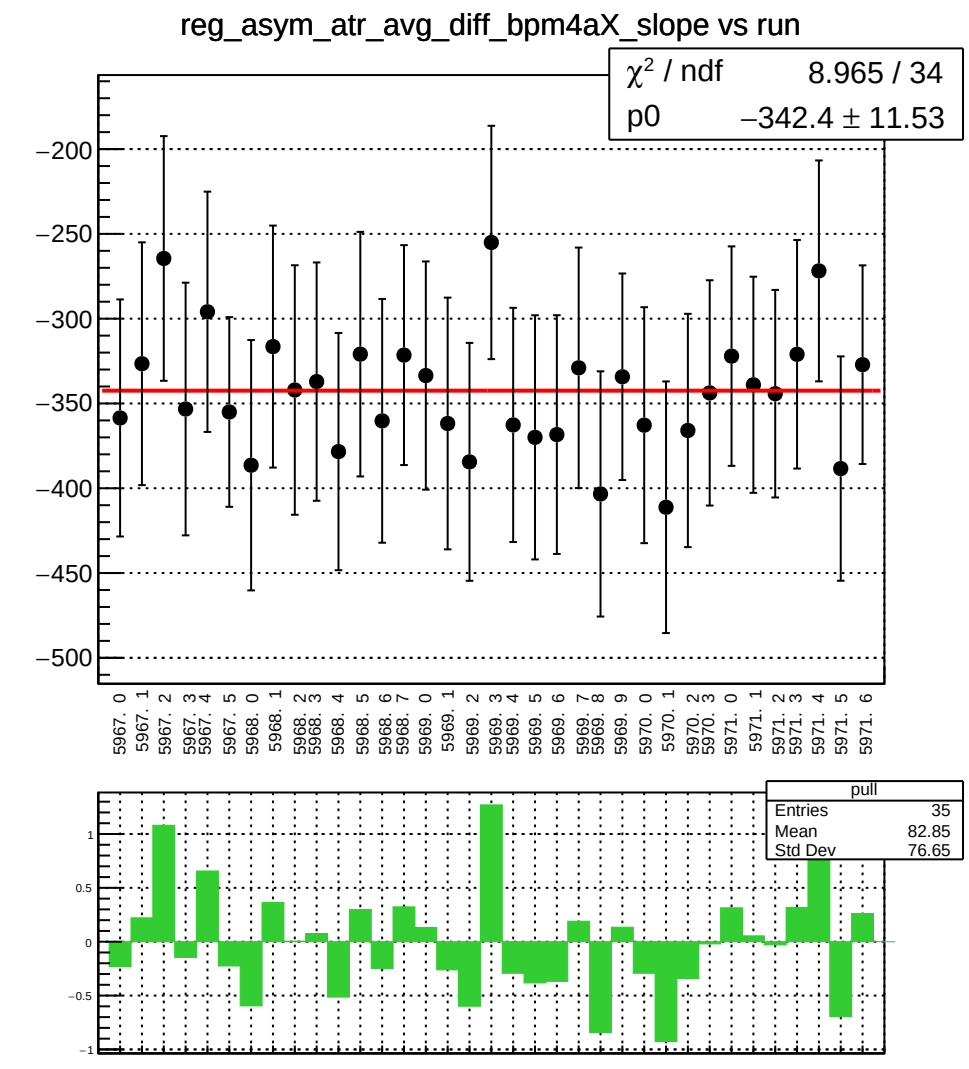

pull1D
Entries 35
Mean −0.00567
Std Dev 0.6208

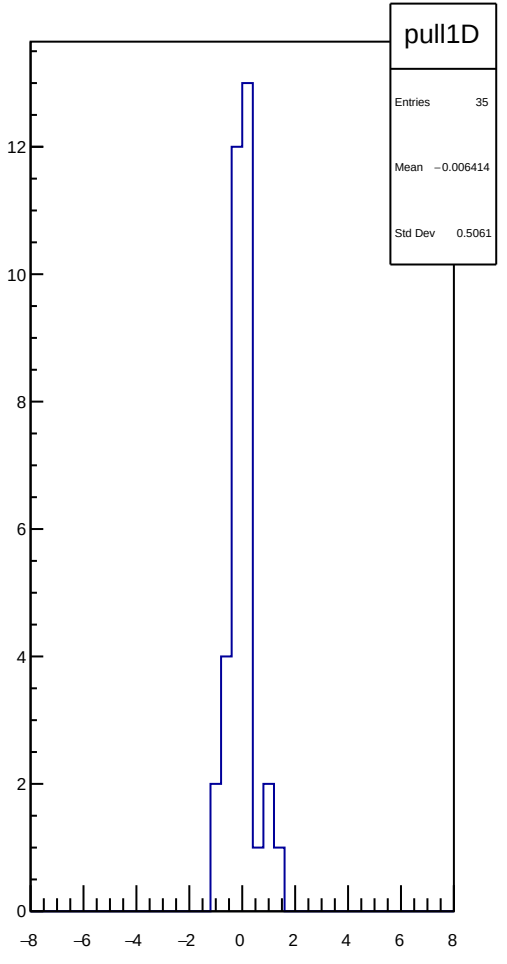

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.77 / 34
p0 −206.3 ± 6.713
pull
Entries 35
Mean −1342
Std Dev 1361
pull1D
Entries 35
Mean 0.000285
Std Dev 0.6041

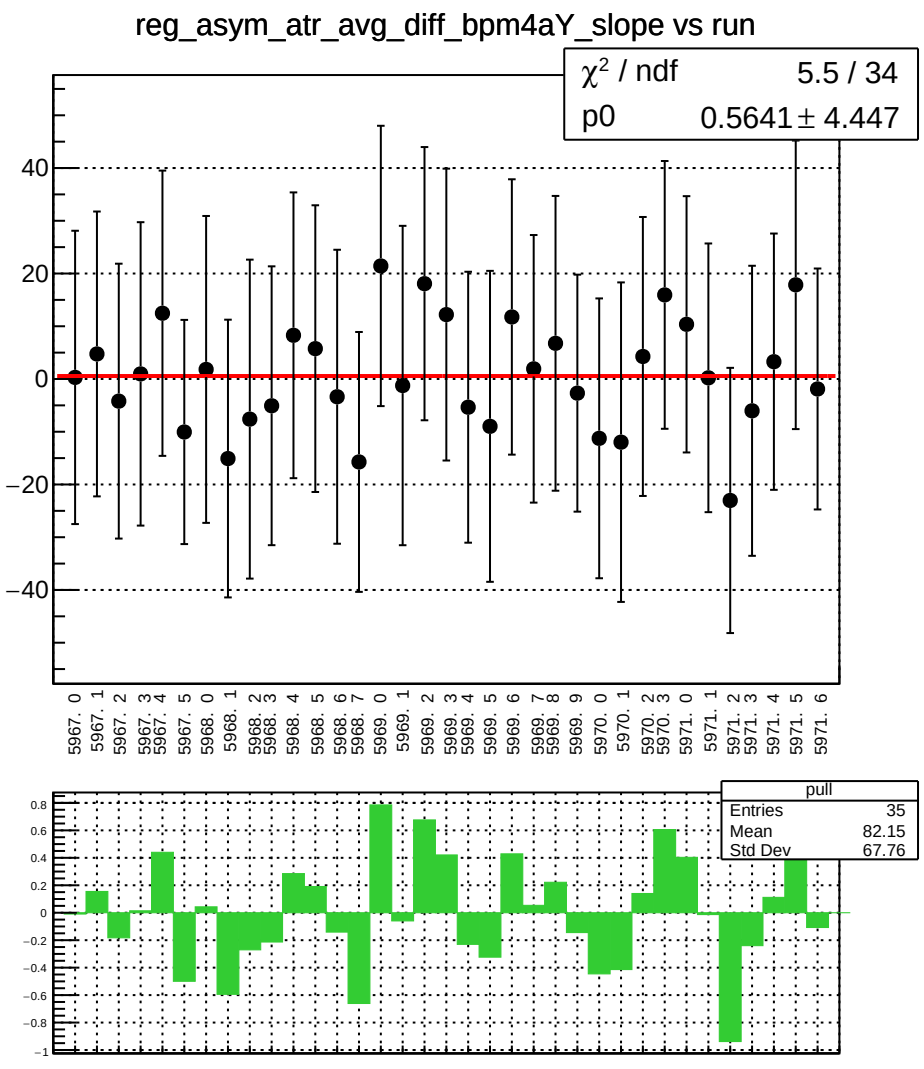

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.78 / 34
p0 −61.68 ± 3.163
pull
Entries 35
Mean −42.23
Std Dev 61.36

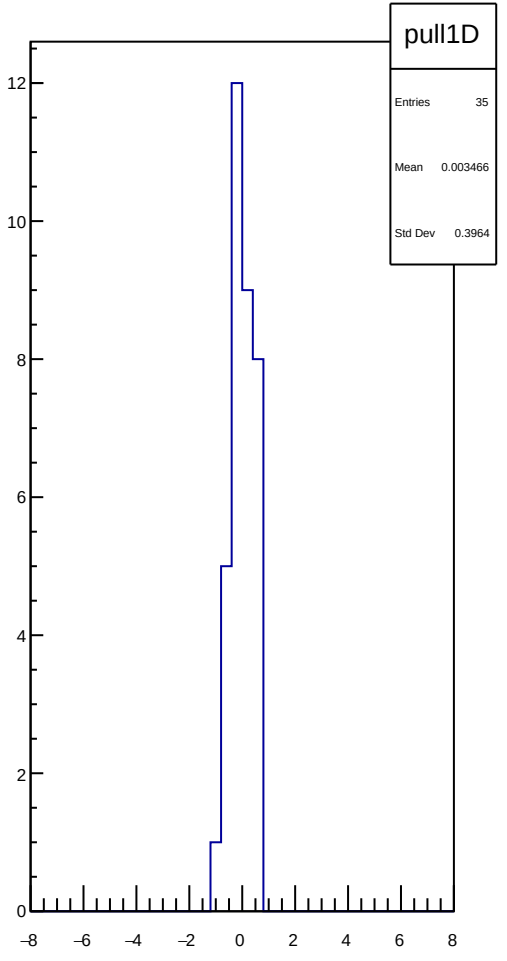

pull1D
Entries 35
Mean 0.01157
Std Dev 0.6041

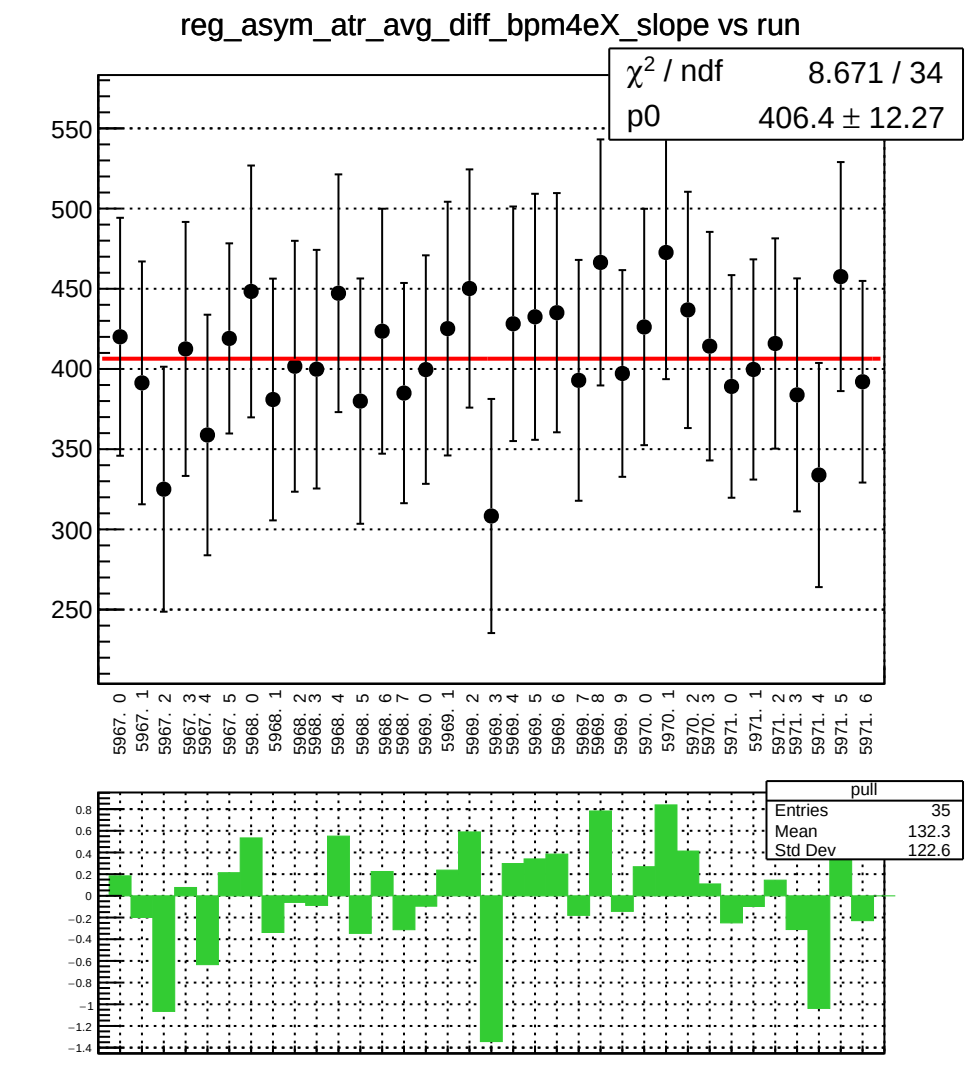

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 23.48 / 34
p0 87.31 ± 0.282
92
91
90
89
88
87
86
85
84
83
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −25.49
Std Dev 11.52
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.006457
Std Dev 0.819
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

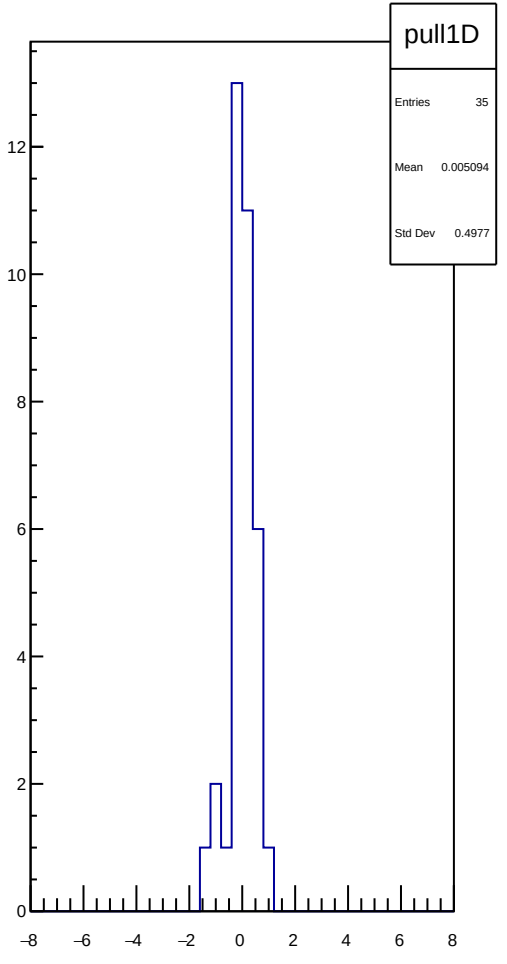

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.965 / 34
p0 −342.4 ± 11.53
−200
−250
−300
−350
−400
−450
−500
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 82.85
Std Dev 76.65
1
0.5
0
−0.5
−1

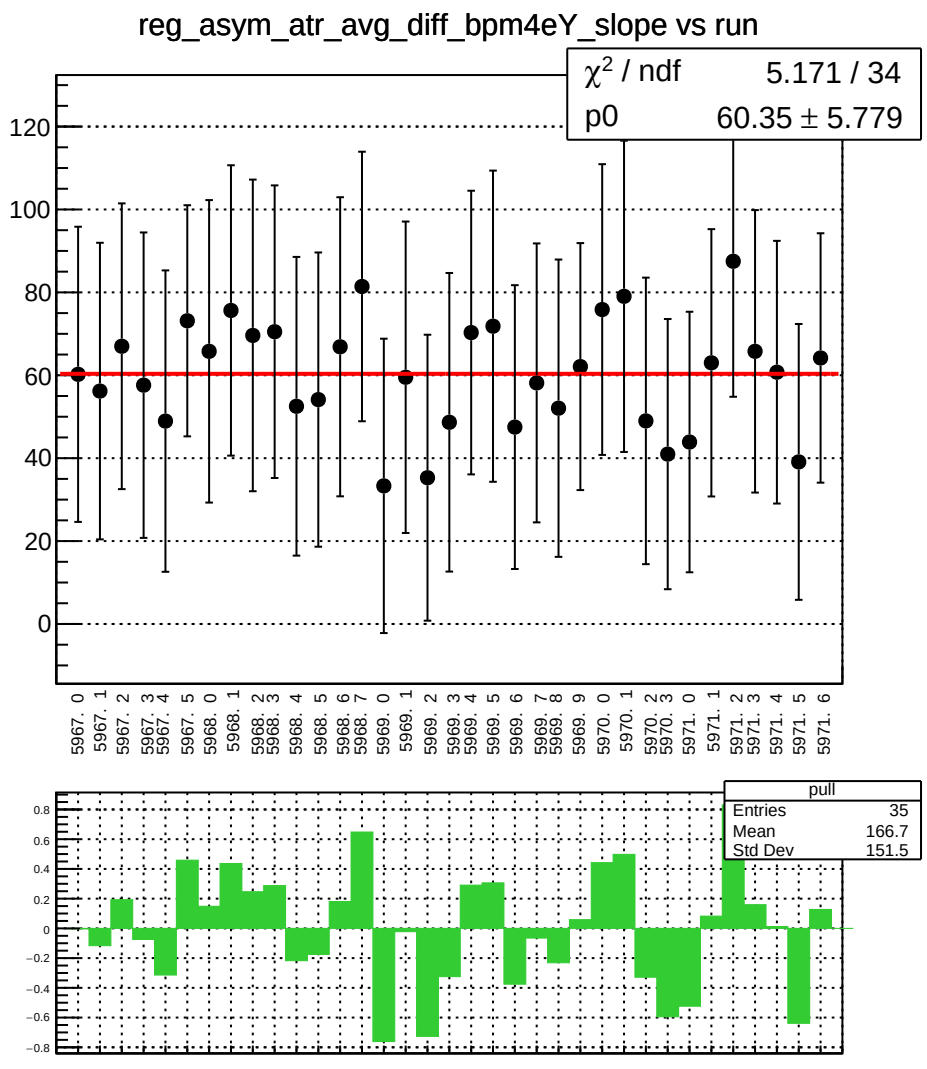

pull1D
Entries 35
Mean −0.006414
Std Dev 0.5061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

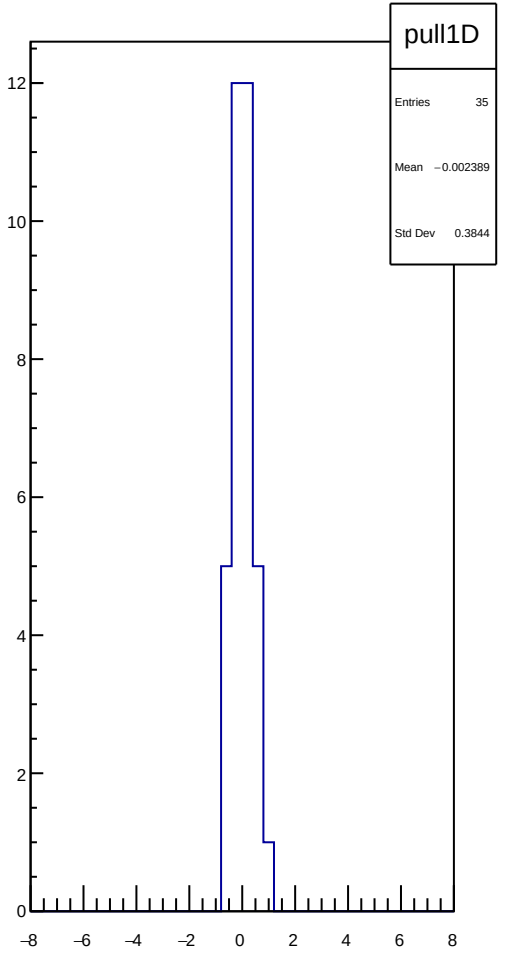

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.5 / 34
p0 0.5641 ± 4.447
40
20
0
−20
−40
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 82.15
Std Dev 67.76
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

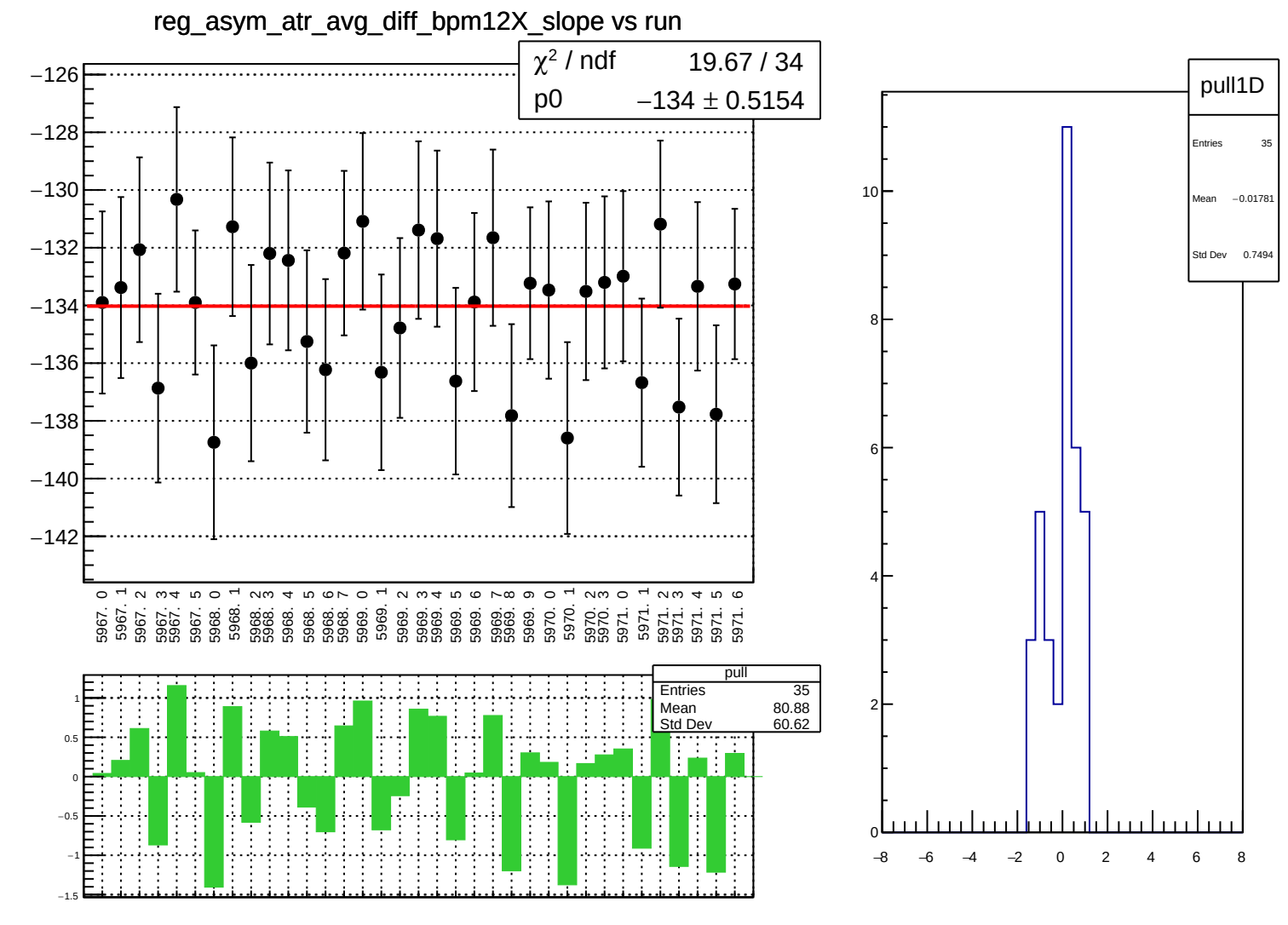

pull1D
Entries 35
Mean 0.003466
Std Dev 0.3964
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

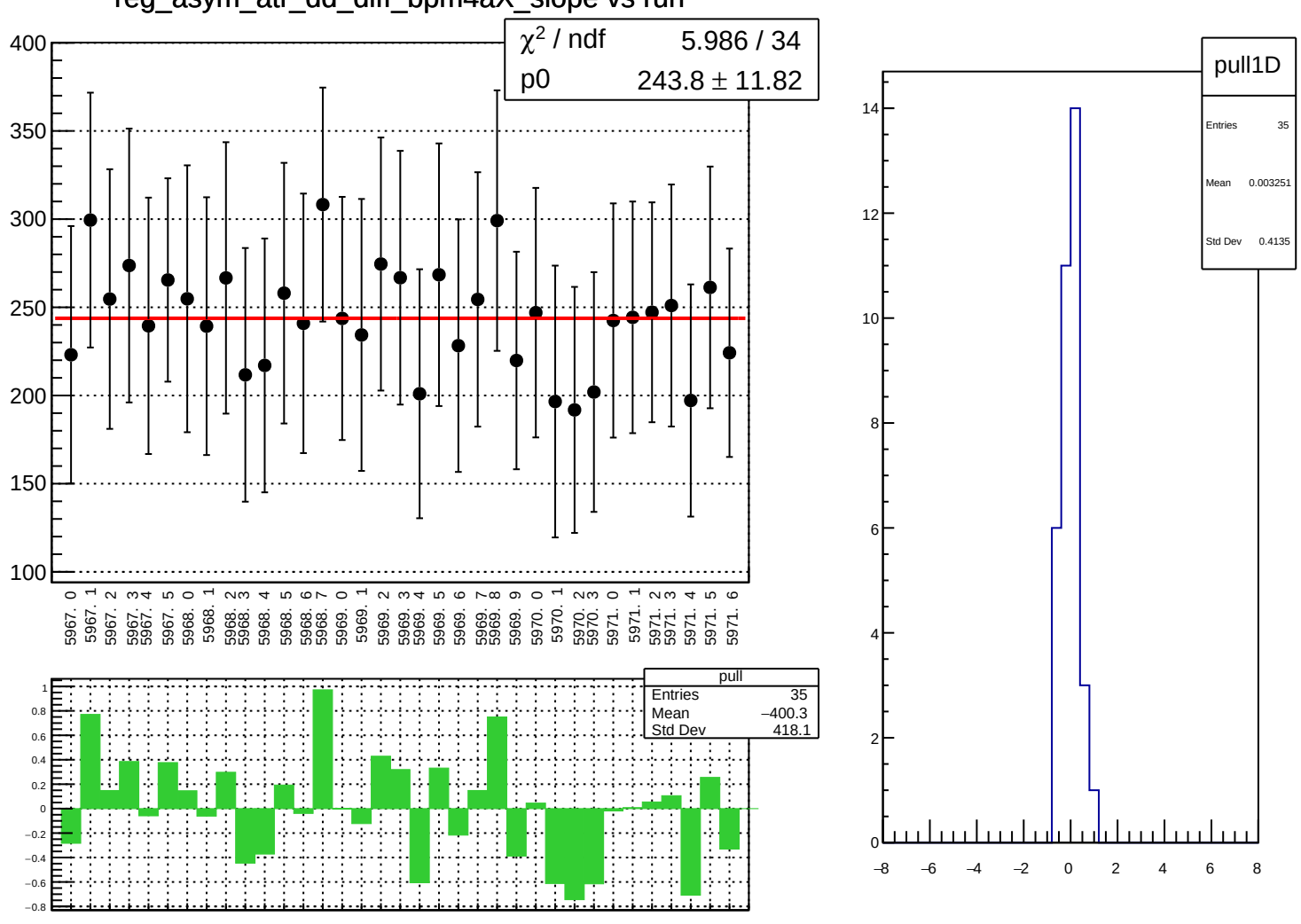

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.671 / 34
p0 406.4 ± 12.27
550
500
450
400
350
300
250
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 132.3
Std Dev 122.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

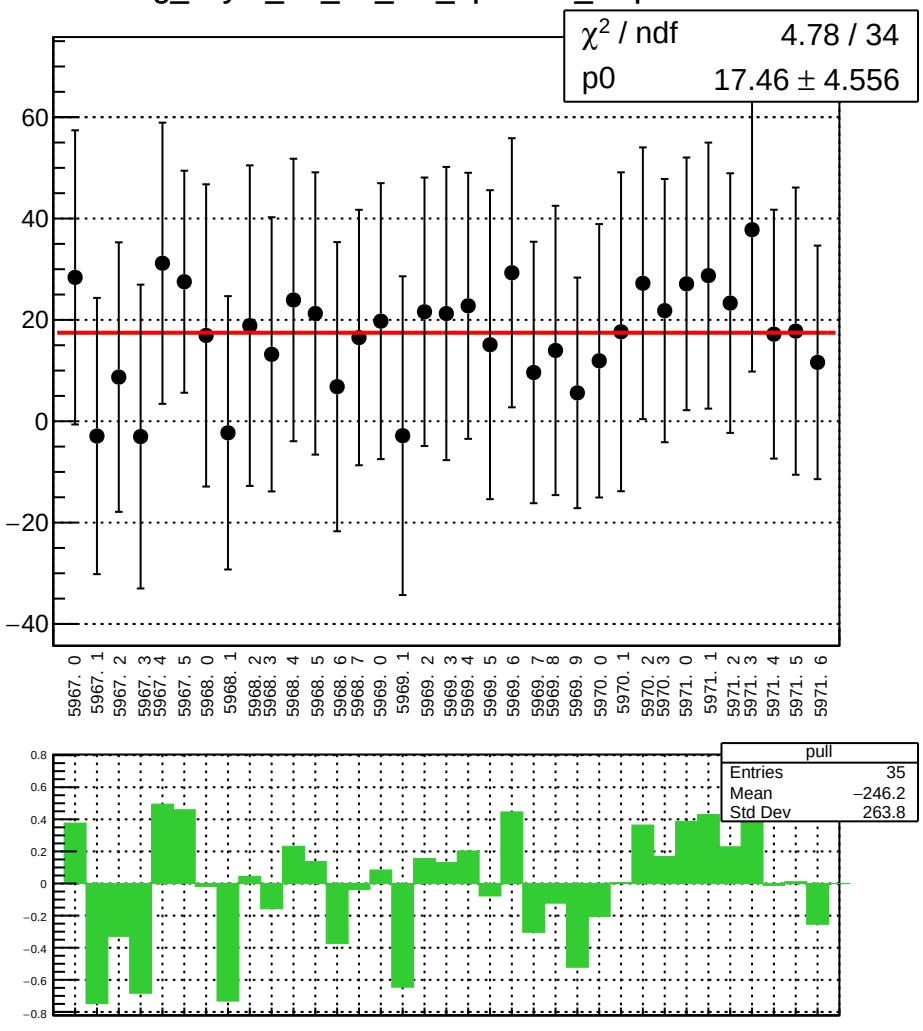

pull1D
Entries 35
Mean 0.005094
Std Dev 0.4977
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

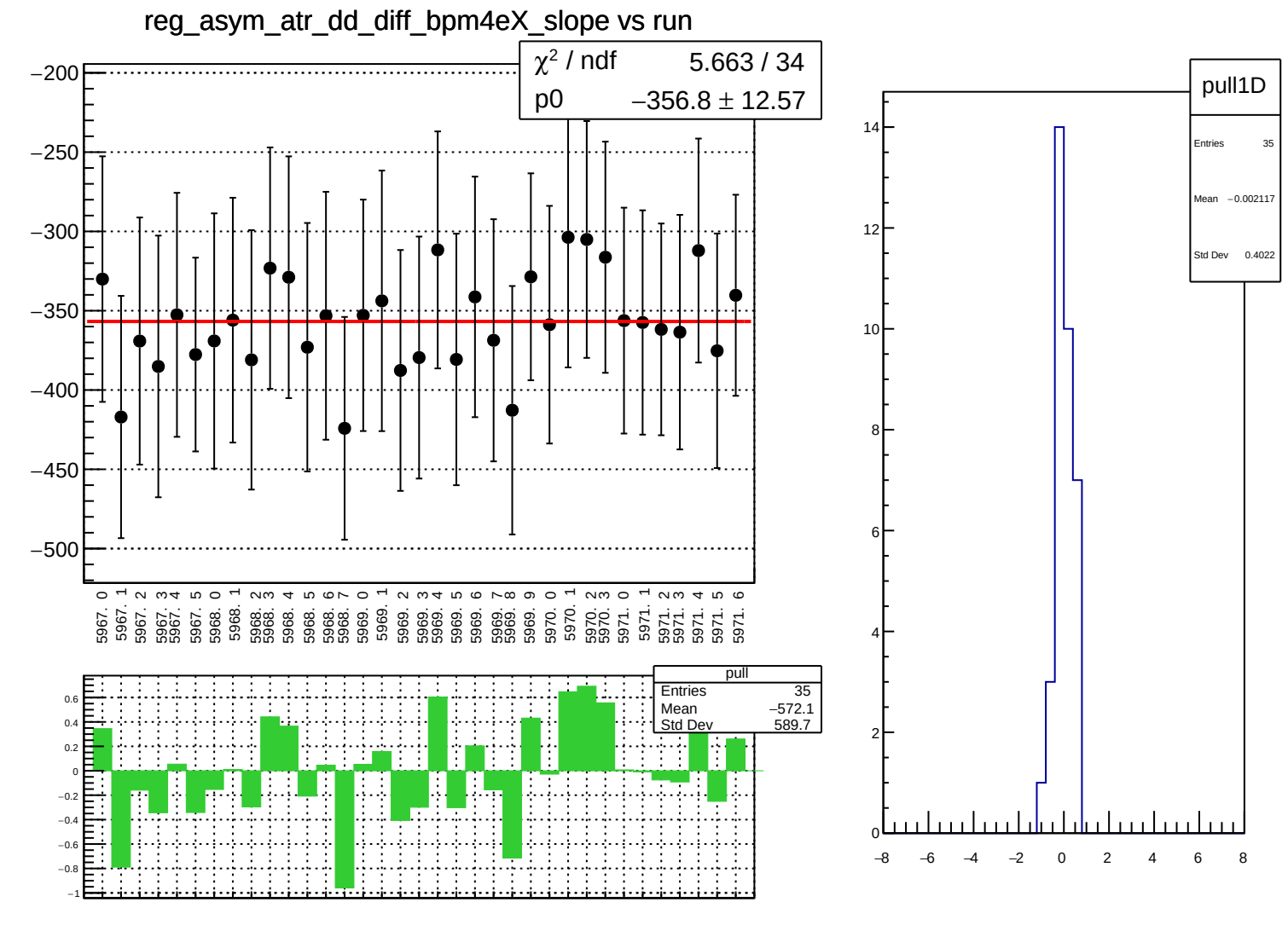

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.171 / 34
p0 60.35 ± 5.779
120
100
80
60
40
20
0
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 166.7
Std Dev 151.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

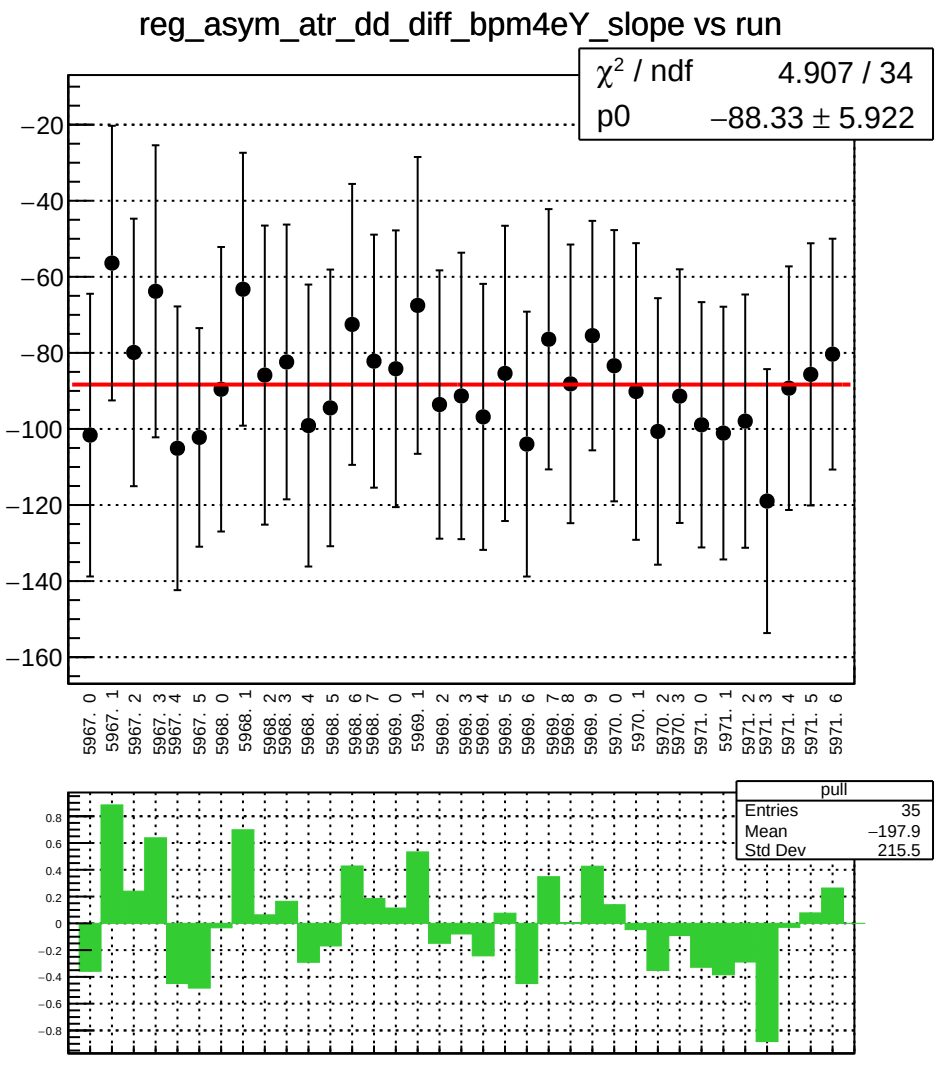

pull1D
Entries 35
Mean −0.002389
Std Dev 0.3844
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

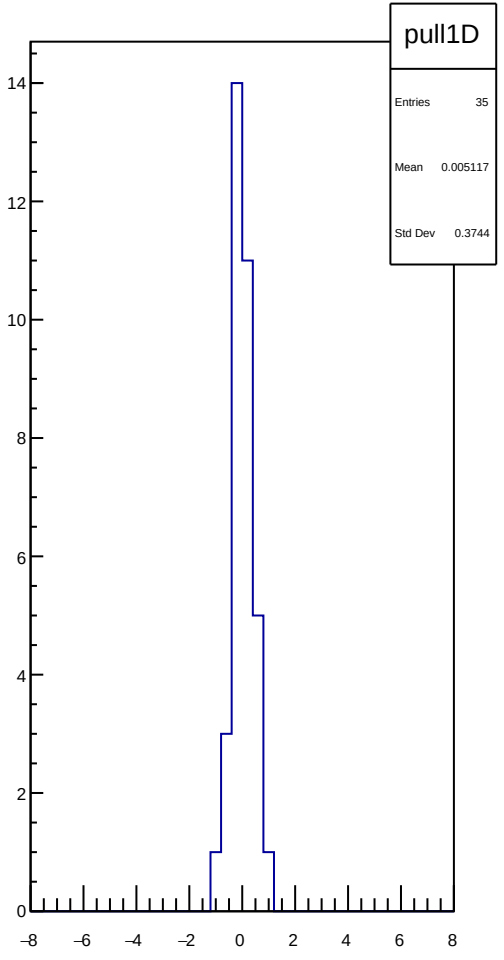

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 19.67 / 34
p0 −134 ± 0.5154
pull
Entries 35
Mean 80.88
Std Dev 60.62
pull1D
Entries 35
Mean −0.01781
Std Dev 0.7494

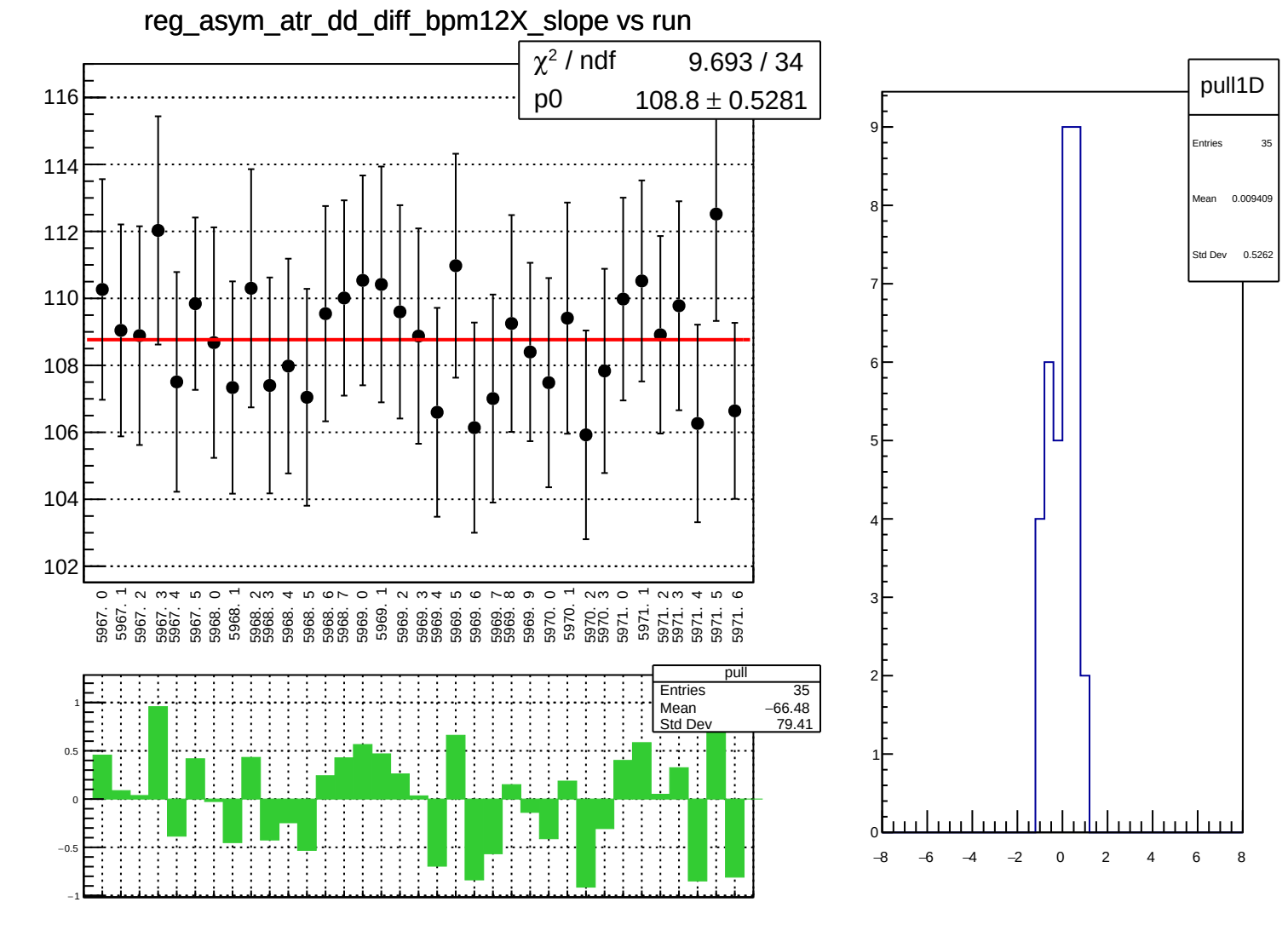

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.986 / 34
p0 243.8 ± 11.82
400
350
300
250
200
150
100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −400.3
Std Dev 418.1
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 0.003251
Std Dev 0.4135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

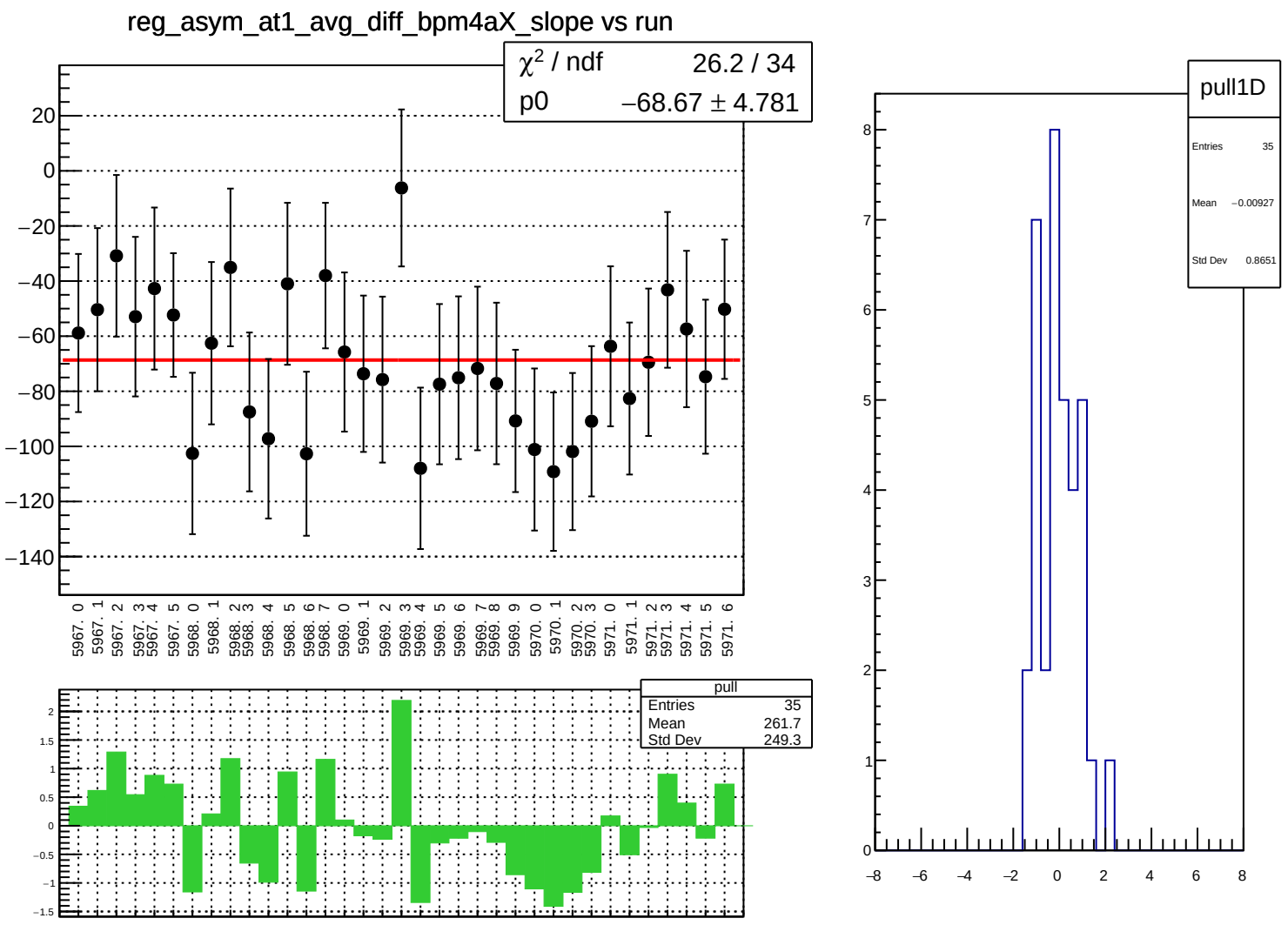

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.78 / 34
p0 17.46 ± 4.556
pull
Entries 35
Mean −246.2
Std Dev 263.8
pull1D
Entries 35
Mean −0.003816
Std Dev 0.3695

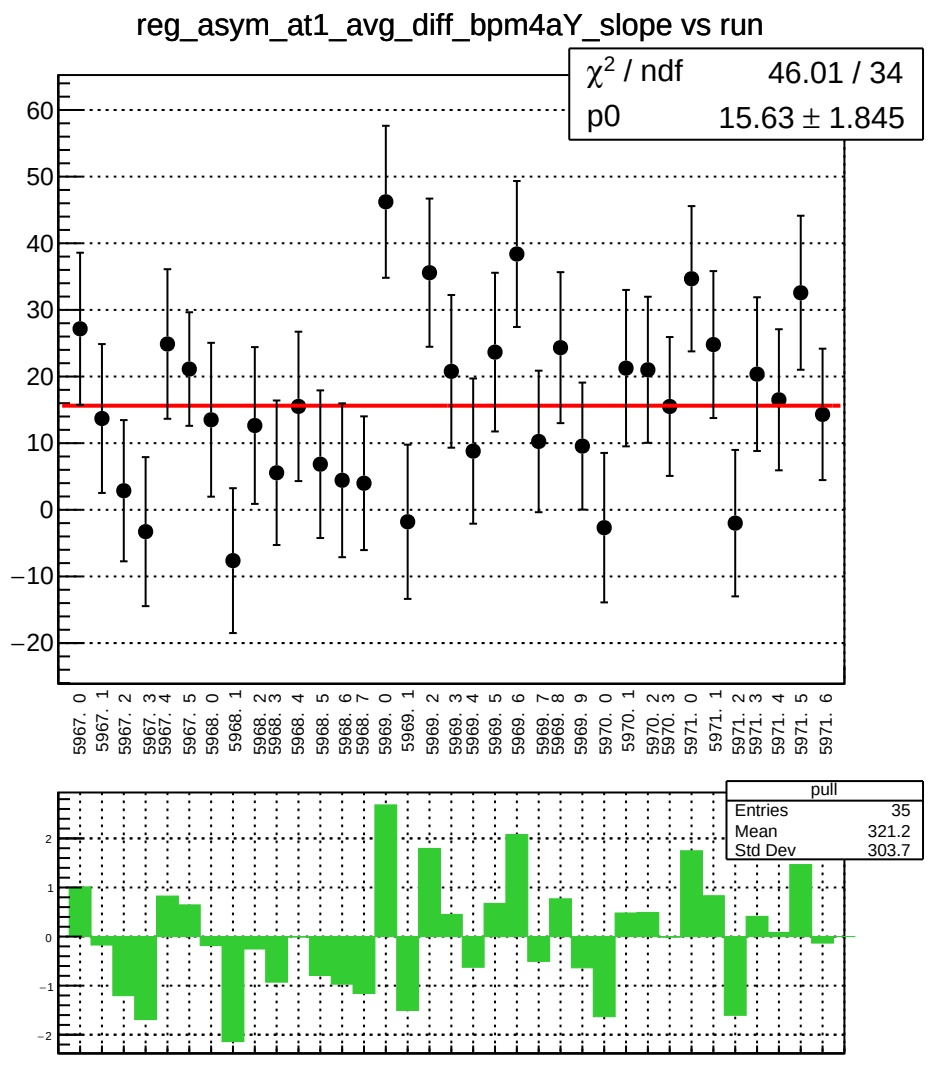

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.663 / 34
p0 −356.8 ± 12.57
−200
−250
−300
−350
−400
−450
−500
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −572.1
Std Dev 589.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 35
Mean −0.002117
Std Dev 0.4022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

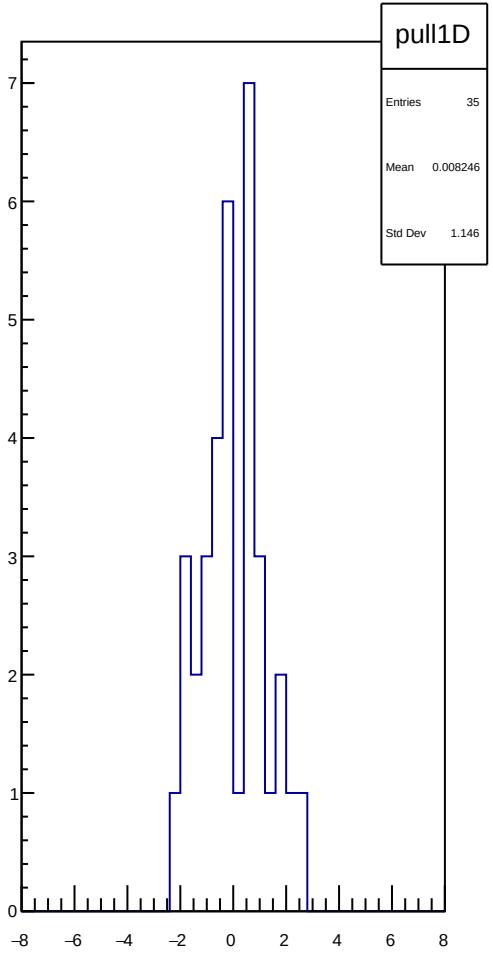

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.907 / 34
p0 −88.33 ± 5.922
pull
Entries 35
Mean −197.9
Std Dev 215.5

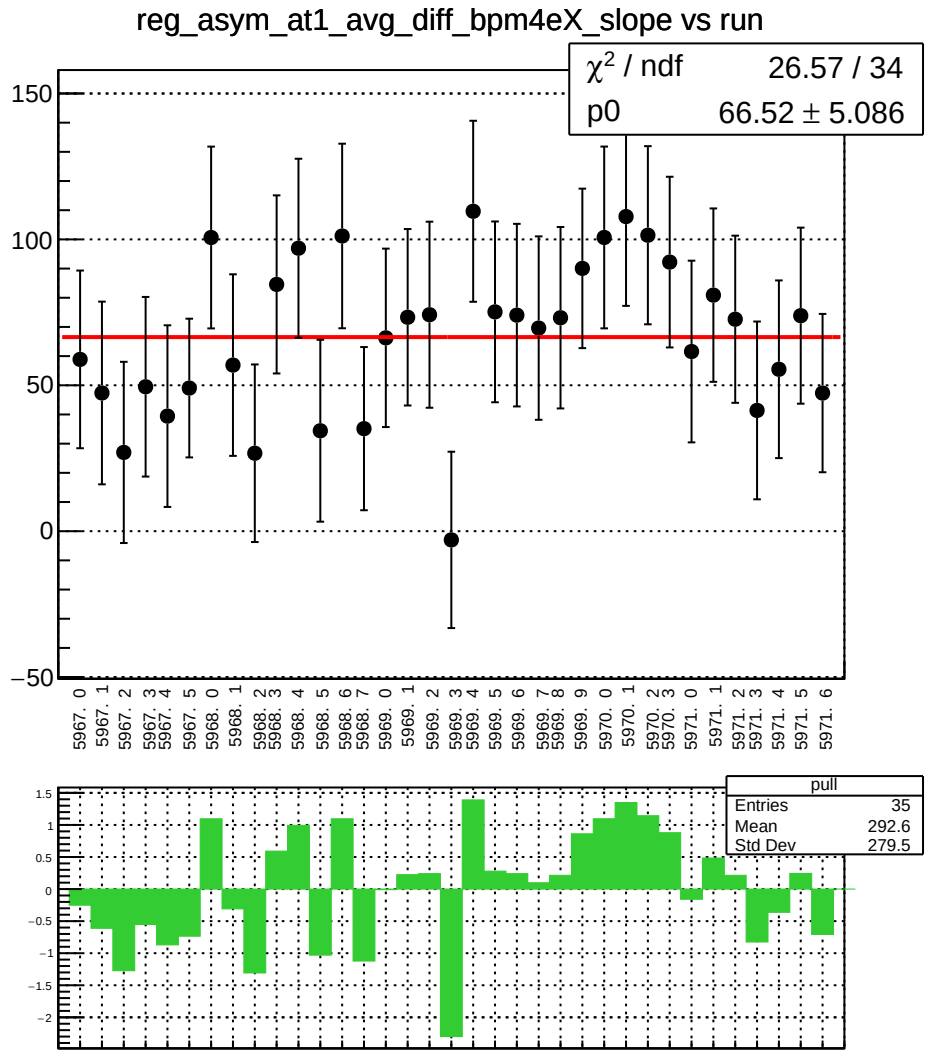

pull1D
Entries 35
Mean 0.005117
Std Dev 0.3744

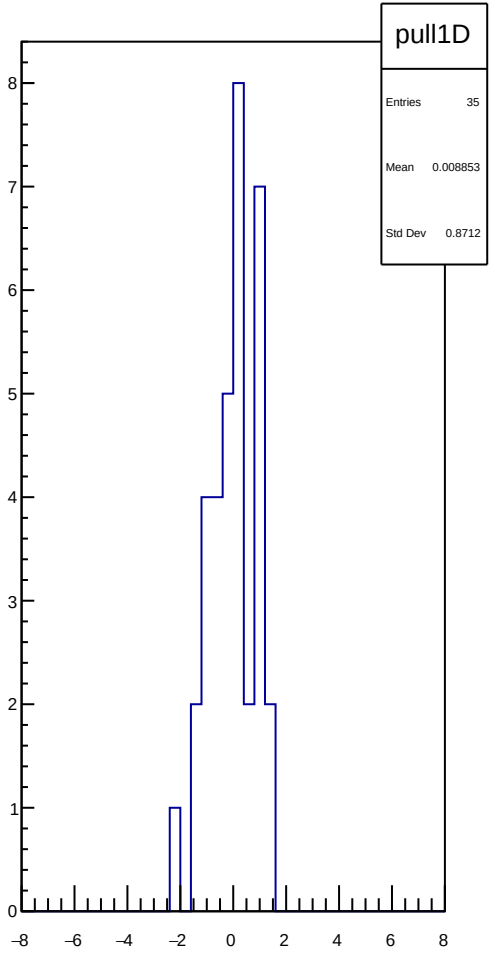

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 9.693 / 34
p0 108.8 ± 0.5281
pull
Entries 35
Mean −66.48
Std Dev 79.41
pull1D
Entries 35
Mean 0.009409
Std Dev 0.5262

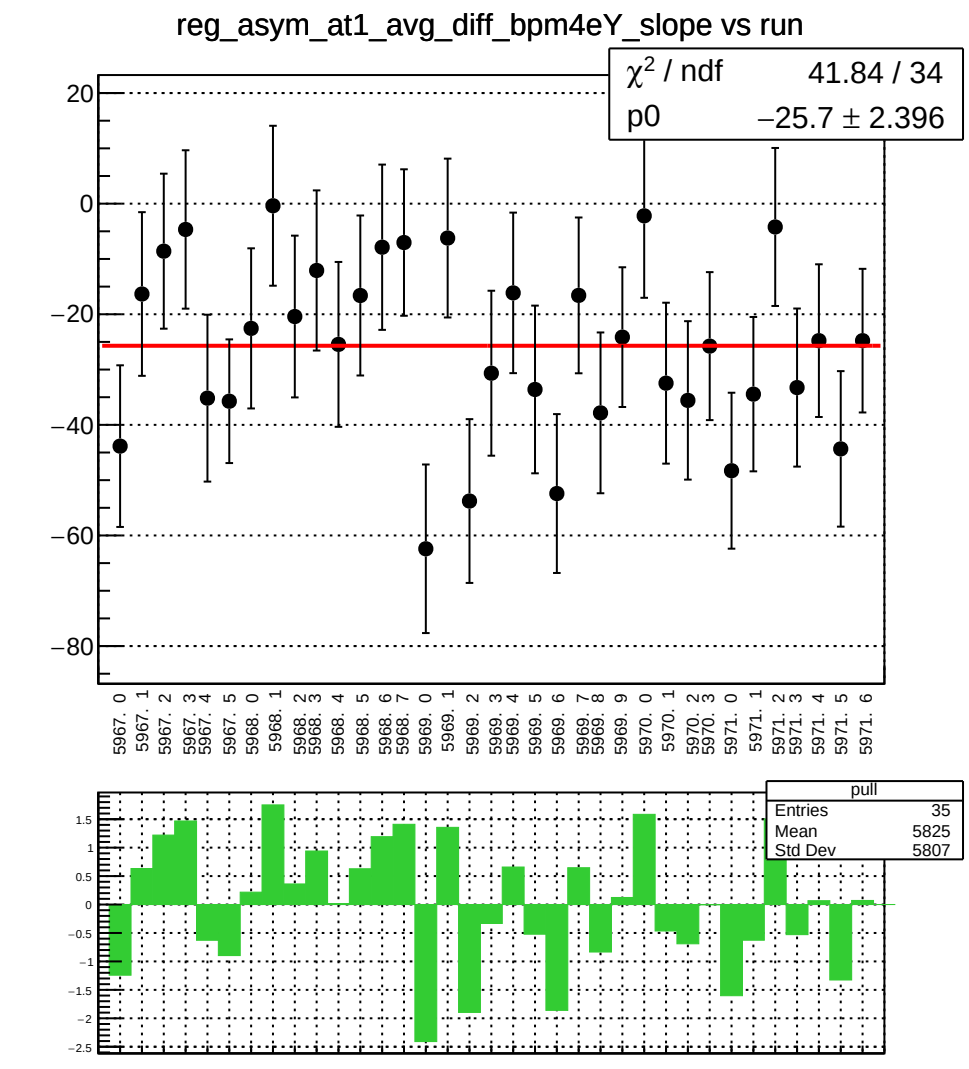

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 26.2 / 34
p0 −68.67 ± 4.781
pull
Entries 35
Mean 261.7
Std Dev 249.3
pull1D
Entries 35
Mean −0.00927
Std Dev 0.8651

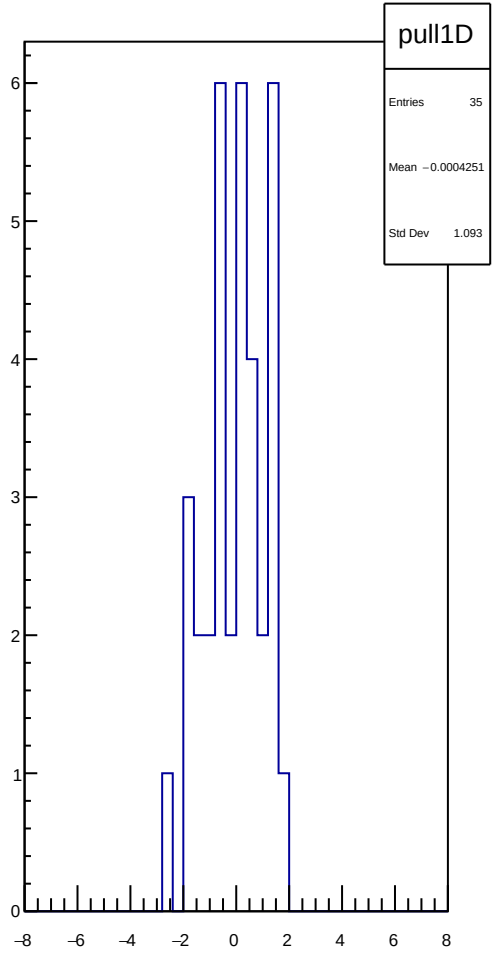

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.01 / 34
p0 15.63 ± 1.845
pull
Entries 35
Mean 321.2
Std Dev 303.7

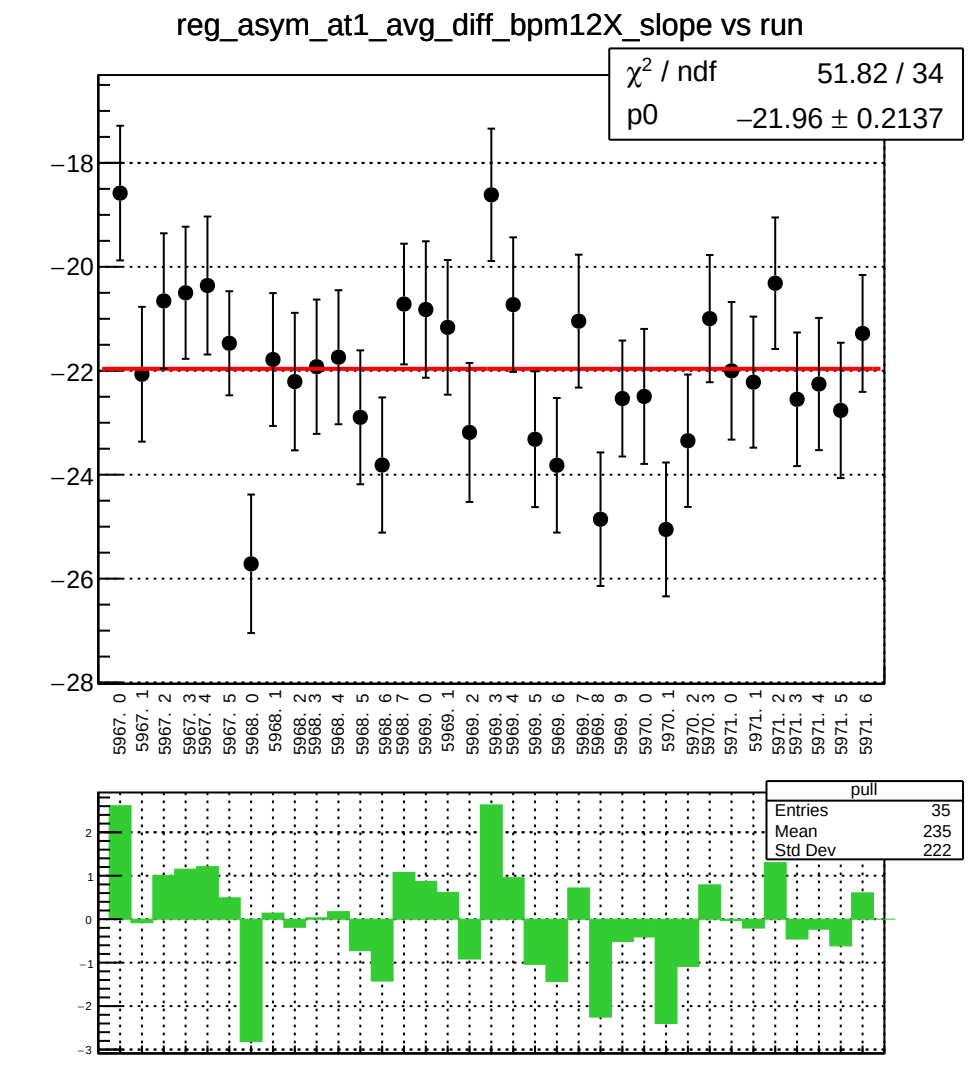

pull1D
Entries 35
Mean 0.008246
Std Dev 1.146

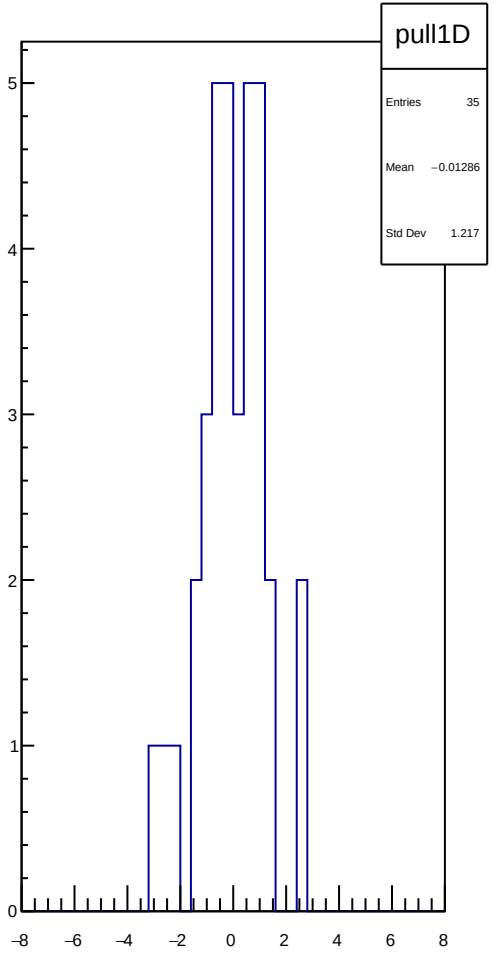

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.57 / 34
p0 66.52 ± 5.086
150
100
50
0
−50
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 292.6
Std Dev 279.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

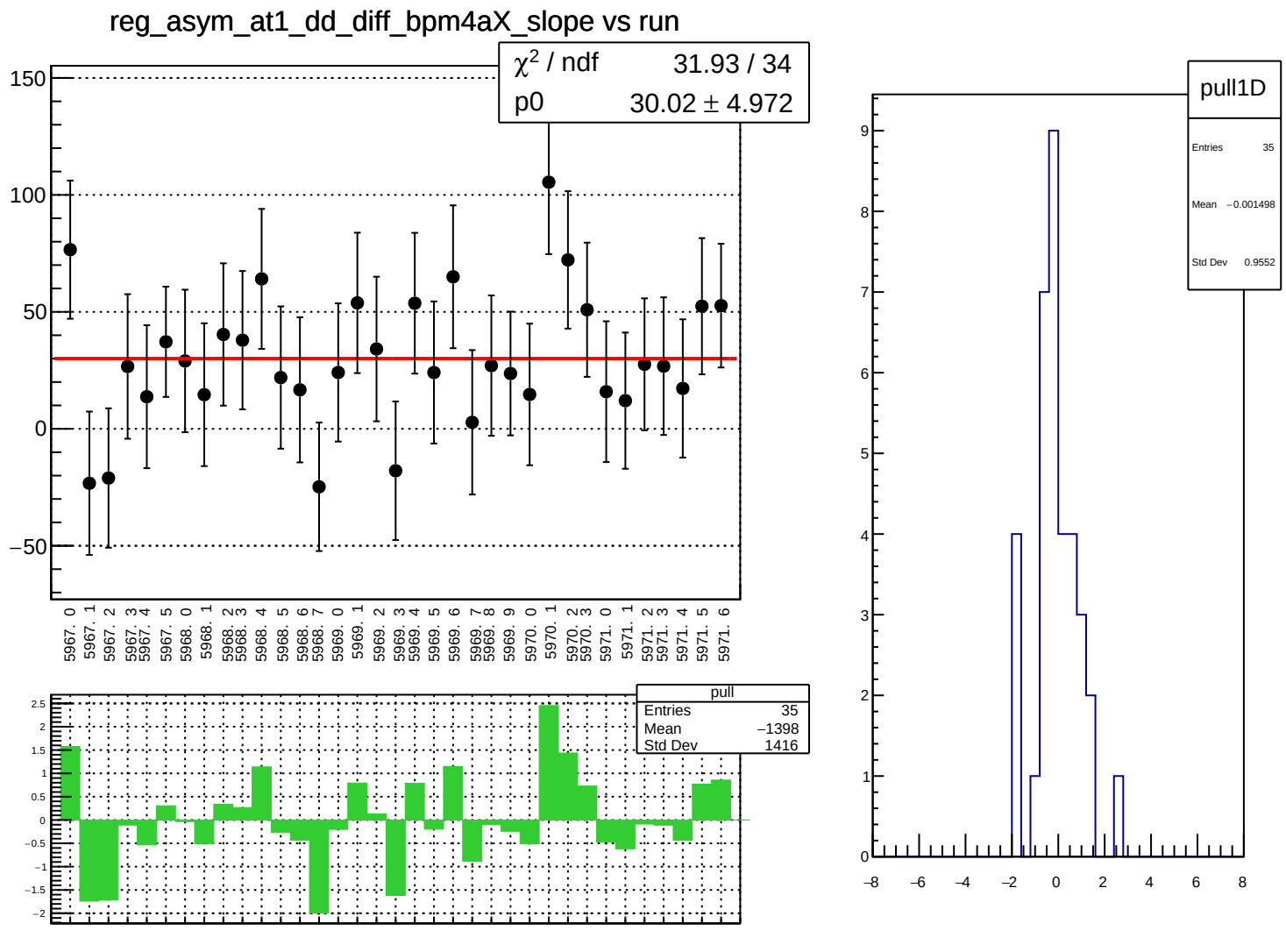

pull1D
Entries 35
Mean 0.008853
Std Dev 0.8712
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

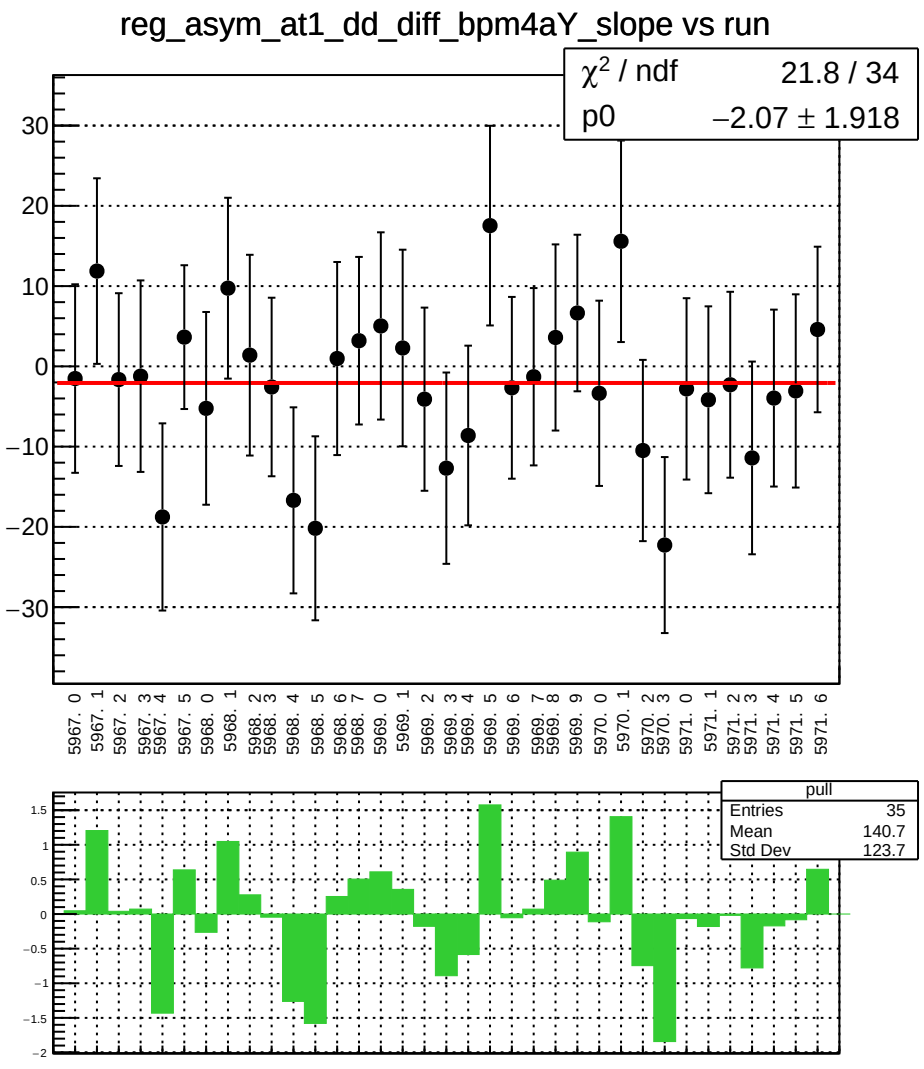

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.84 / 34
p0 −25.7 ± 2.396
pull
Entries 35
Mean 5825
Std Dev 5807

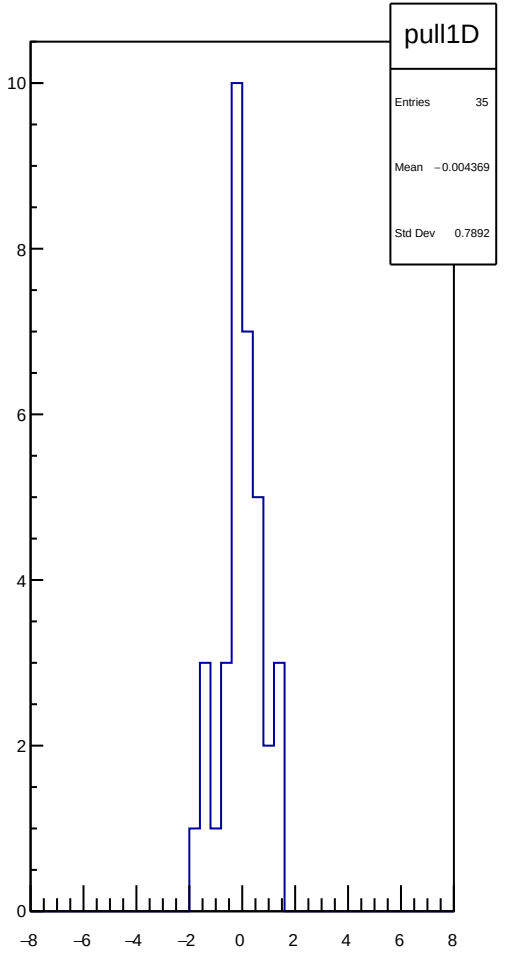

pull1D
Entries 35
Mean −0.0004251
Std Dev 1.093

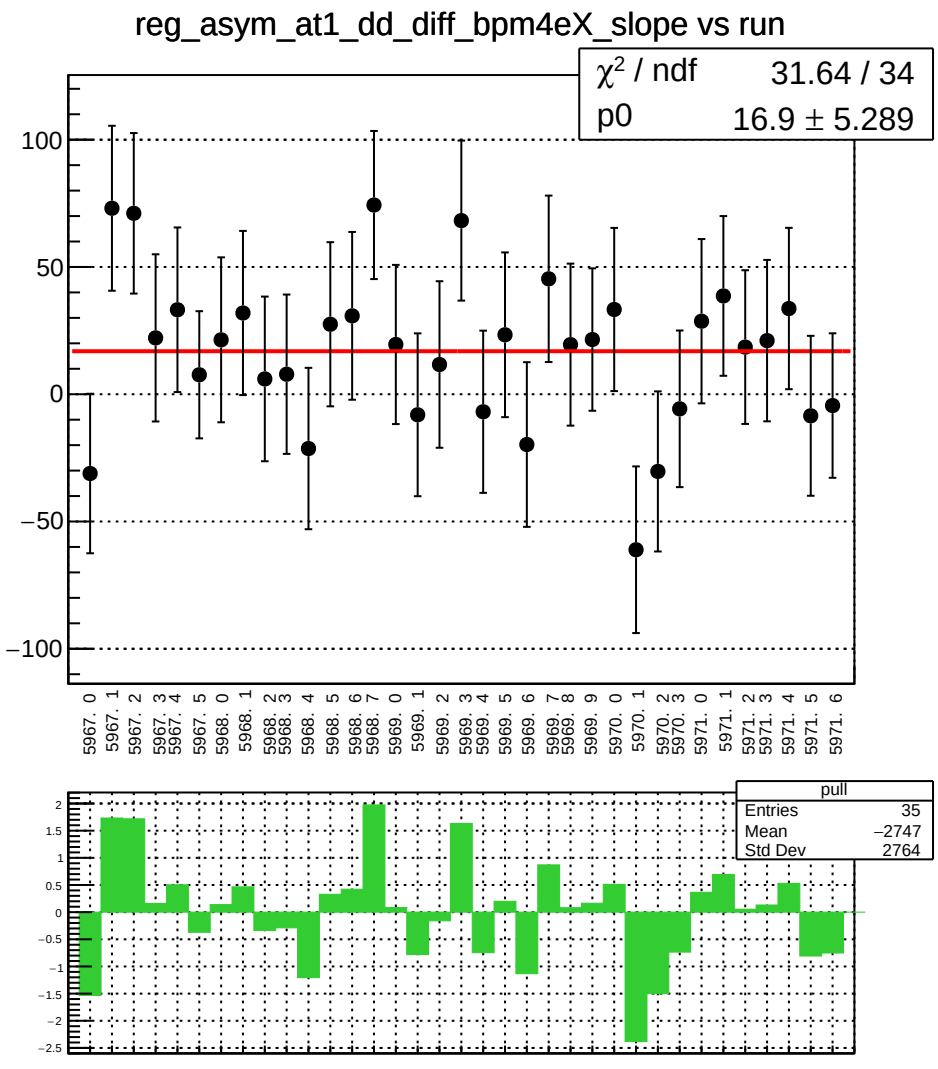

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 51.82 / 34
p0 −21.96 ± 0.2137
−18
−20
−22
−24
−26
−28
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 235
Std Dev 222
2
1
0
−1
−2
−3

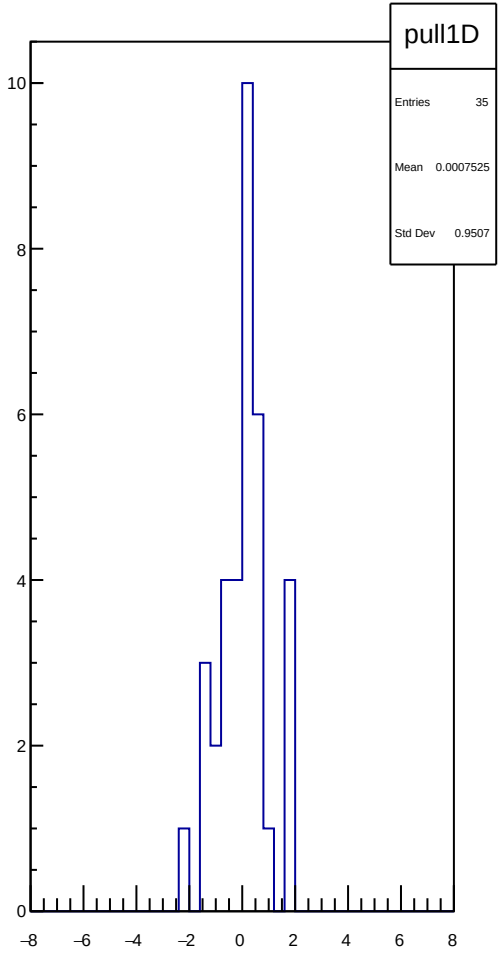

pull1D
Entries 35
Mean −0.01286
Std Dev 1.217
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

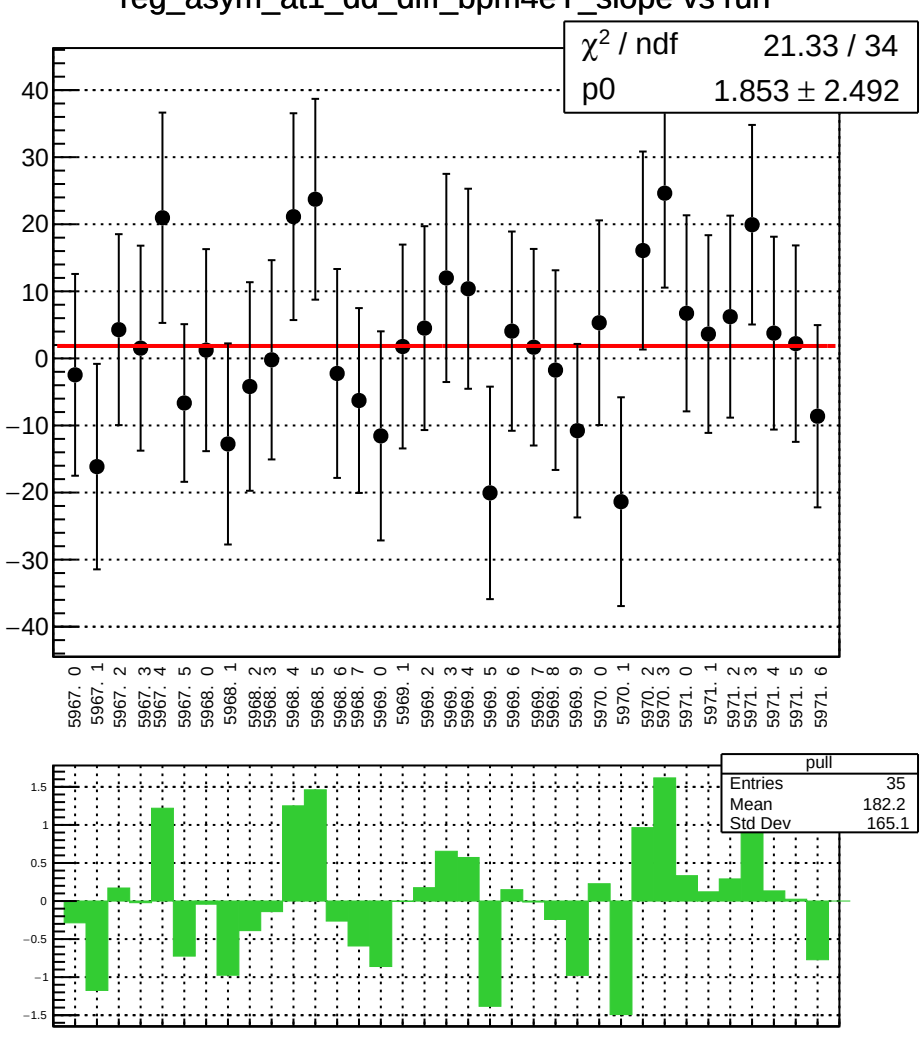

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 31.93 / 34
p0 30.02 ± 4.972
150
100
50
0
−50
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −1398
Std Dev 1416
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.001498
Std Dev 0.9552
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

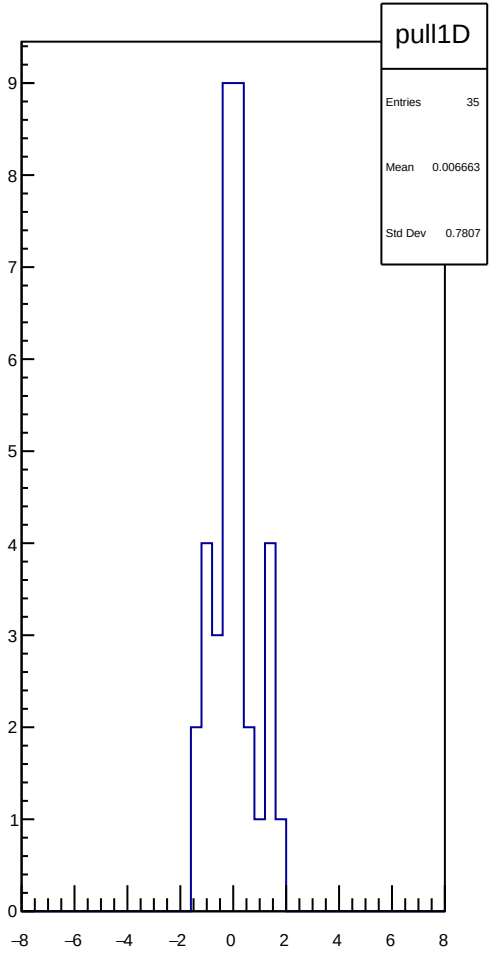

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.8 / 34
p0 −2.07 ± 1.918
30
20
10
0
−10
−20
−30
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 140.7
Std Dev 123.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

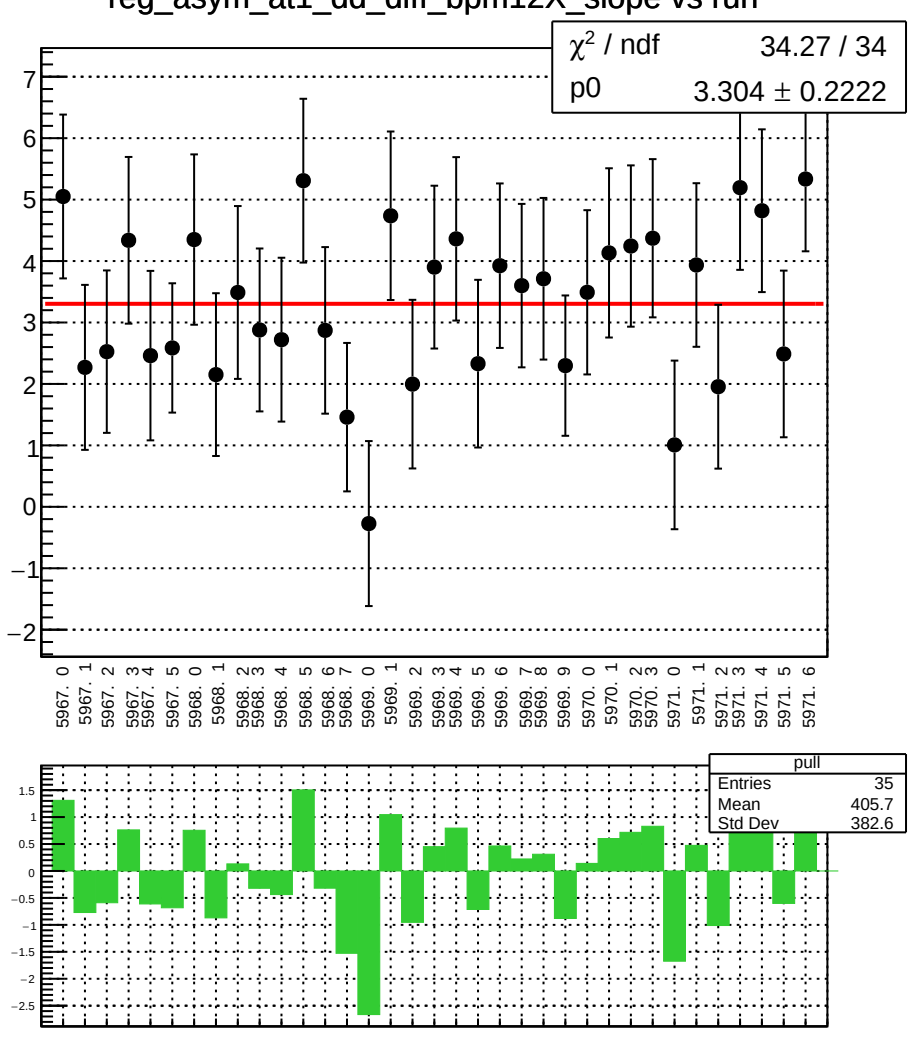

pull1D
Entries 35
Mean −0.004369
Std Dev 0.7892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

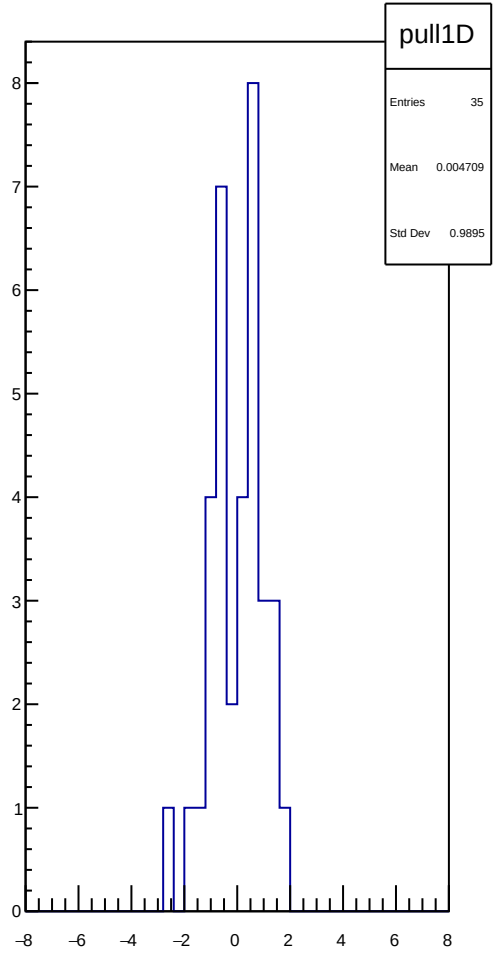

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.64 / 34
p0 16.9 ± 5.289
100
50
0
−50
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −2747
Std Dev 2764
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

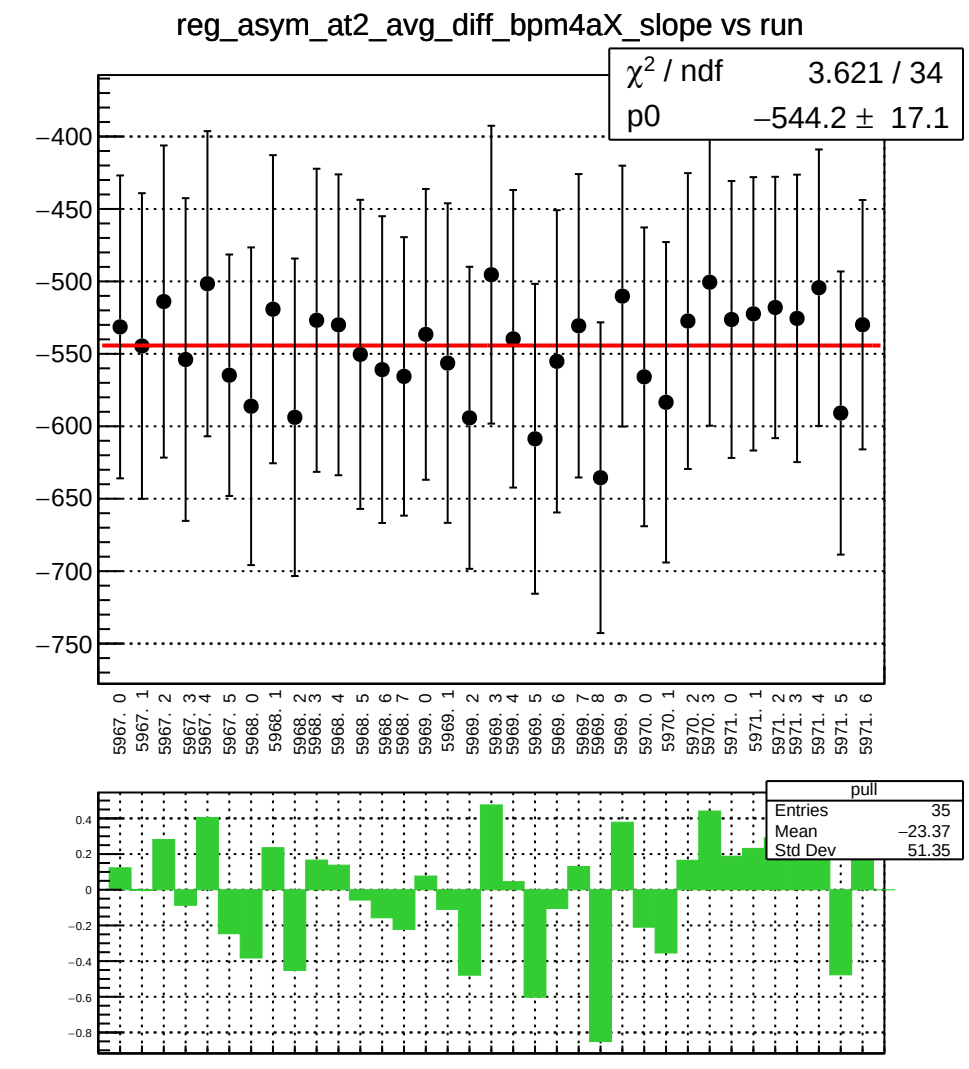

pull1D
Entries 35
Mean 0.0007525
Std Dev 0.9507
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

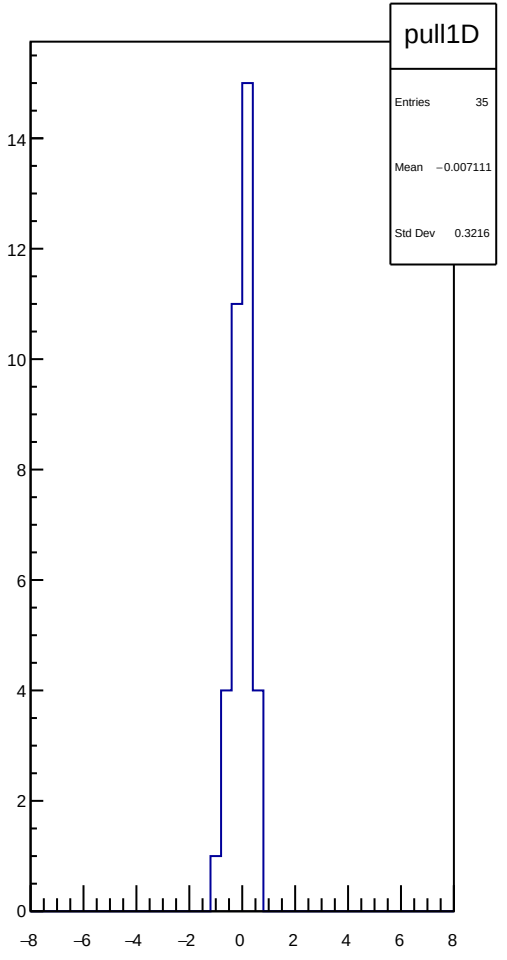

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.33 / 34
p0 1.853 ± 2.492
pull
Entries 35
Mean 182.2
Std Dev 165.1

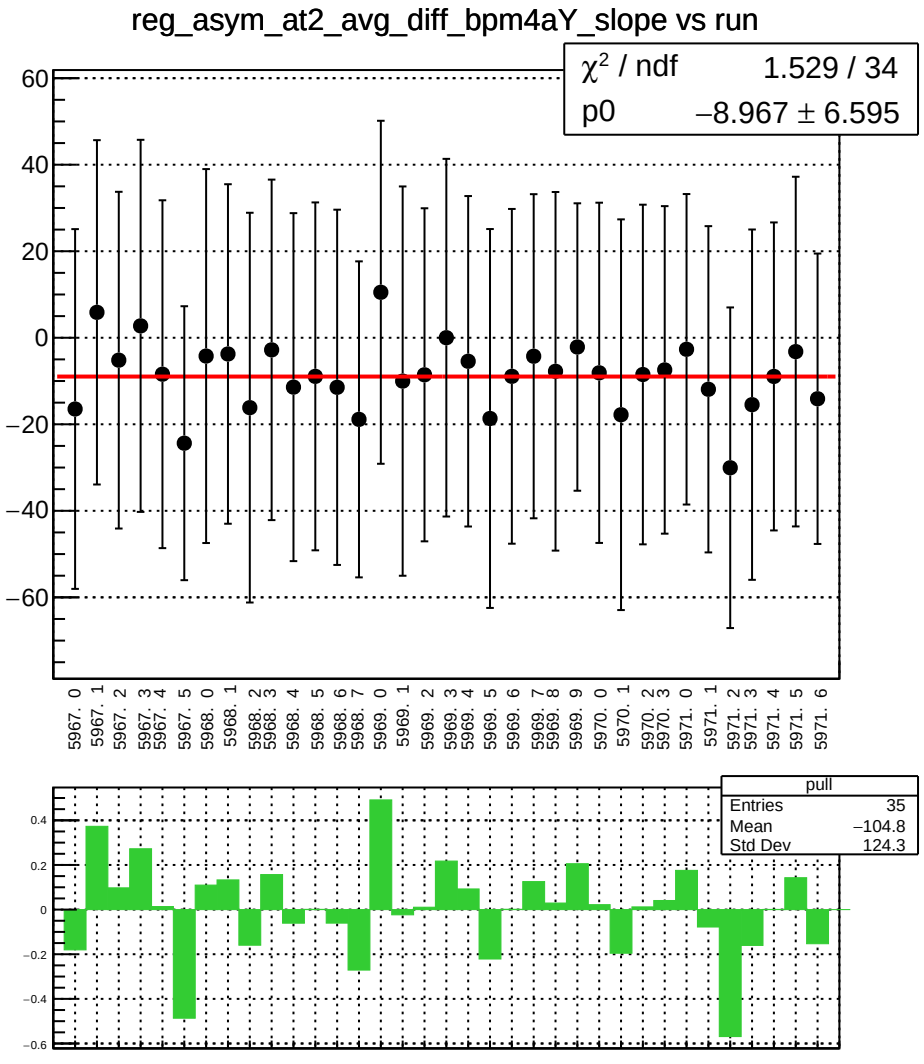

pull1D
Entries 35
Mean 0.006663
Std Dev 0.7807

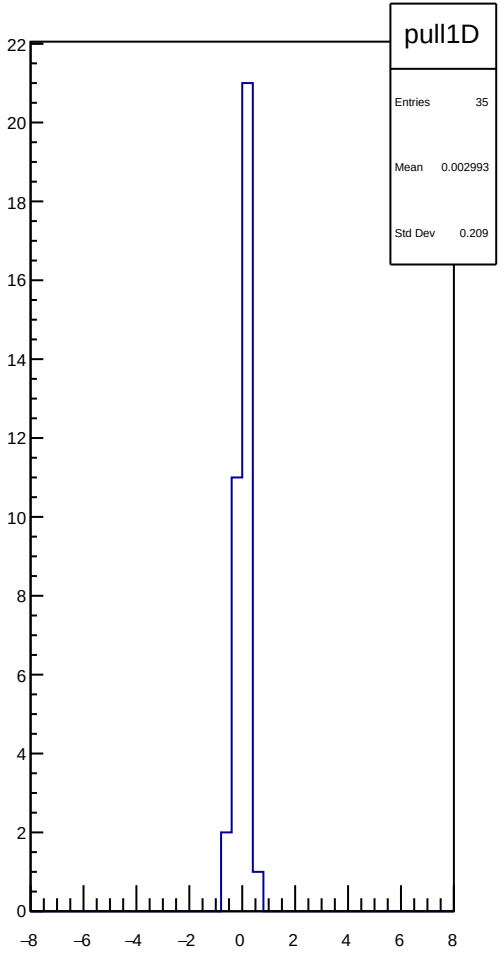

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 34.27 / 34
p0 3.304 ± 0.2222
pull
Entries 35
Mean 405.7
Std Dev 382.6

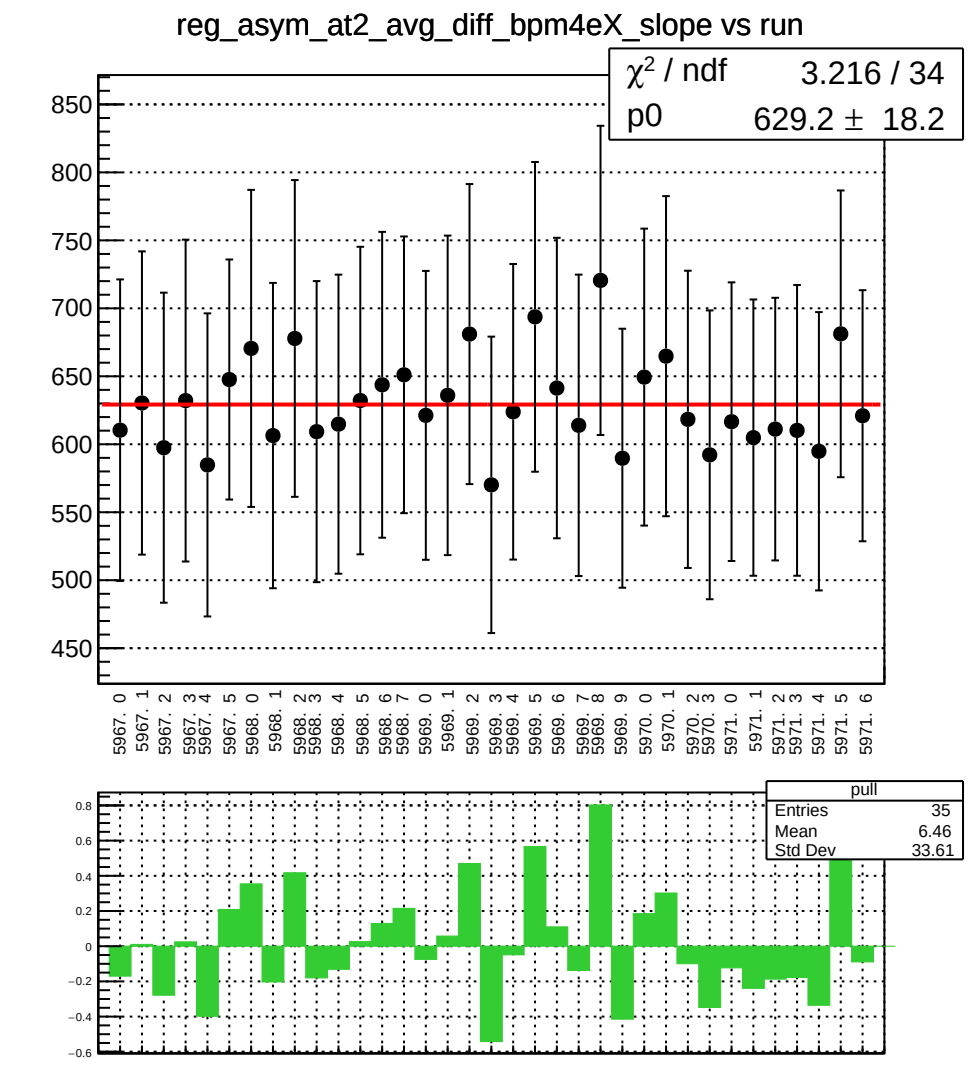

pull1D
Entries 35
Mean 0.004709
Std Dev 0.9895

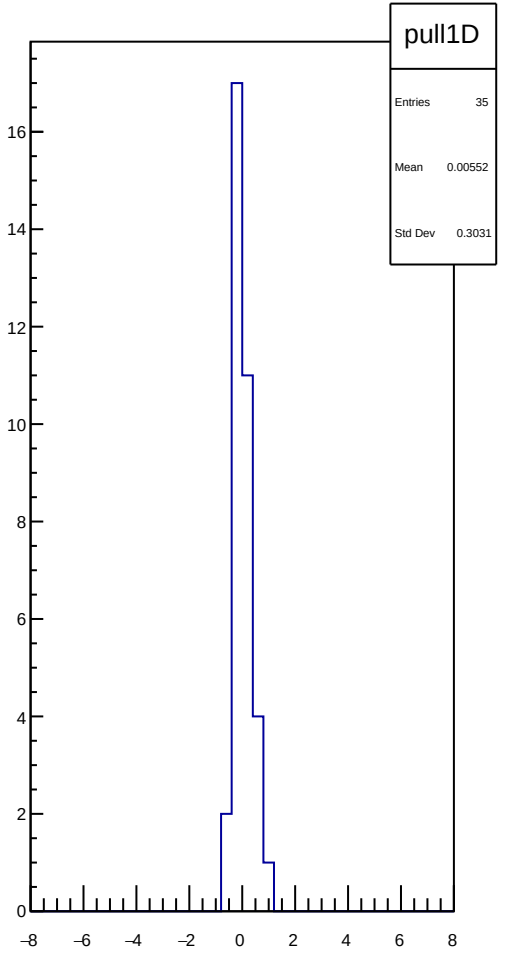

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.621 / 34
p0 −544.2 ± 17.1
−400
−450
−500
−550
−600
−650
−700
−750
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −23.37
Std Dev 51.35
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

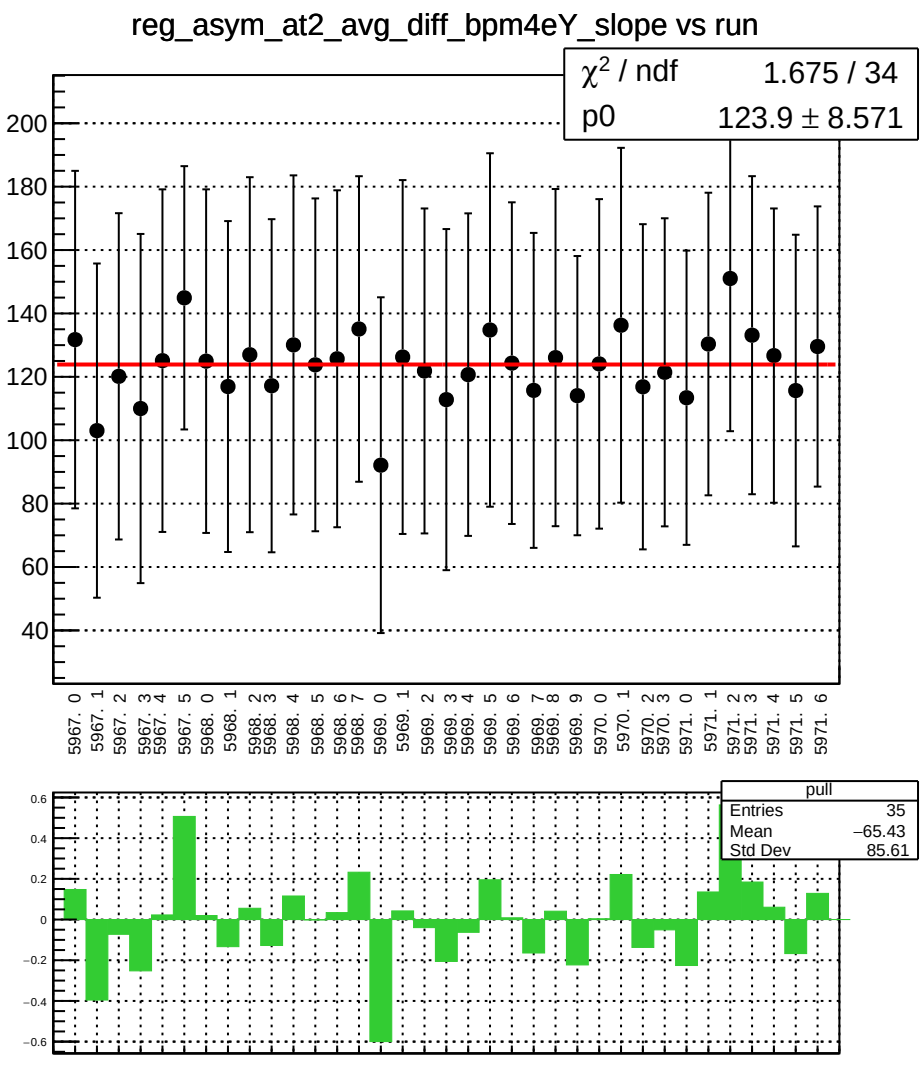

pull1D
Entries 35
Mean −0.007111
Std Dev 0.3216
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

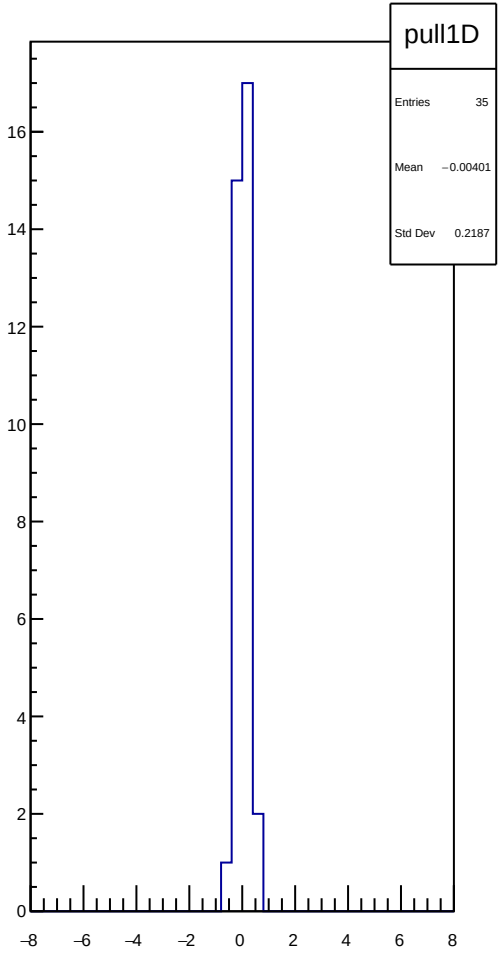

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.529 / 34
p0 −8.967 ± 6.595
pull
Entries 35
Mean −104.8
Std Dev 124.3

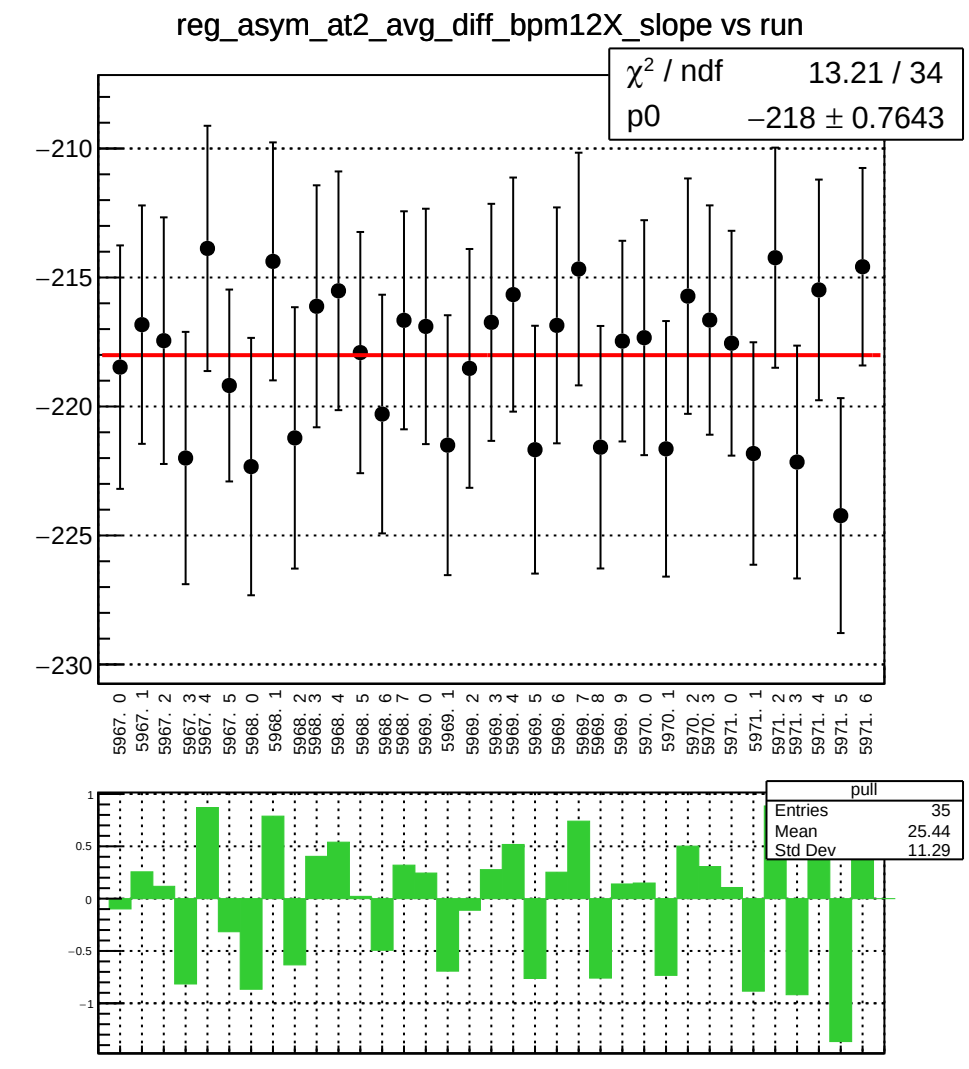

pull1D
Entries 35
Mean 0.002993
Std Dev 0.209

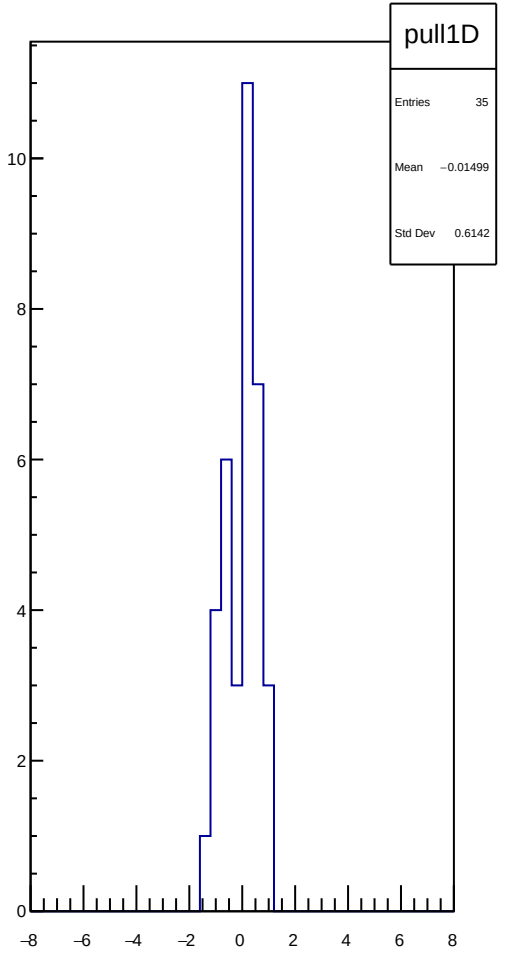

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.216 / 34
p0 629.2 ± 18.2
850
800
750
700
650
600
550
500
450
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 6.46
Std Dev 33.61
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

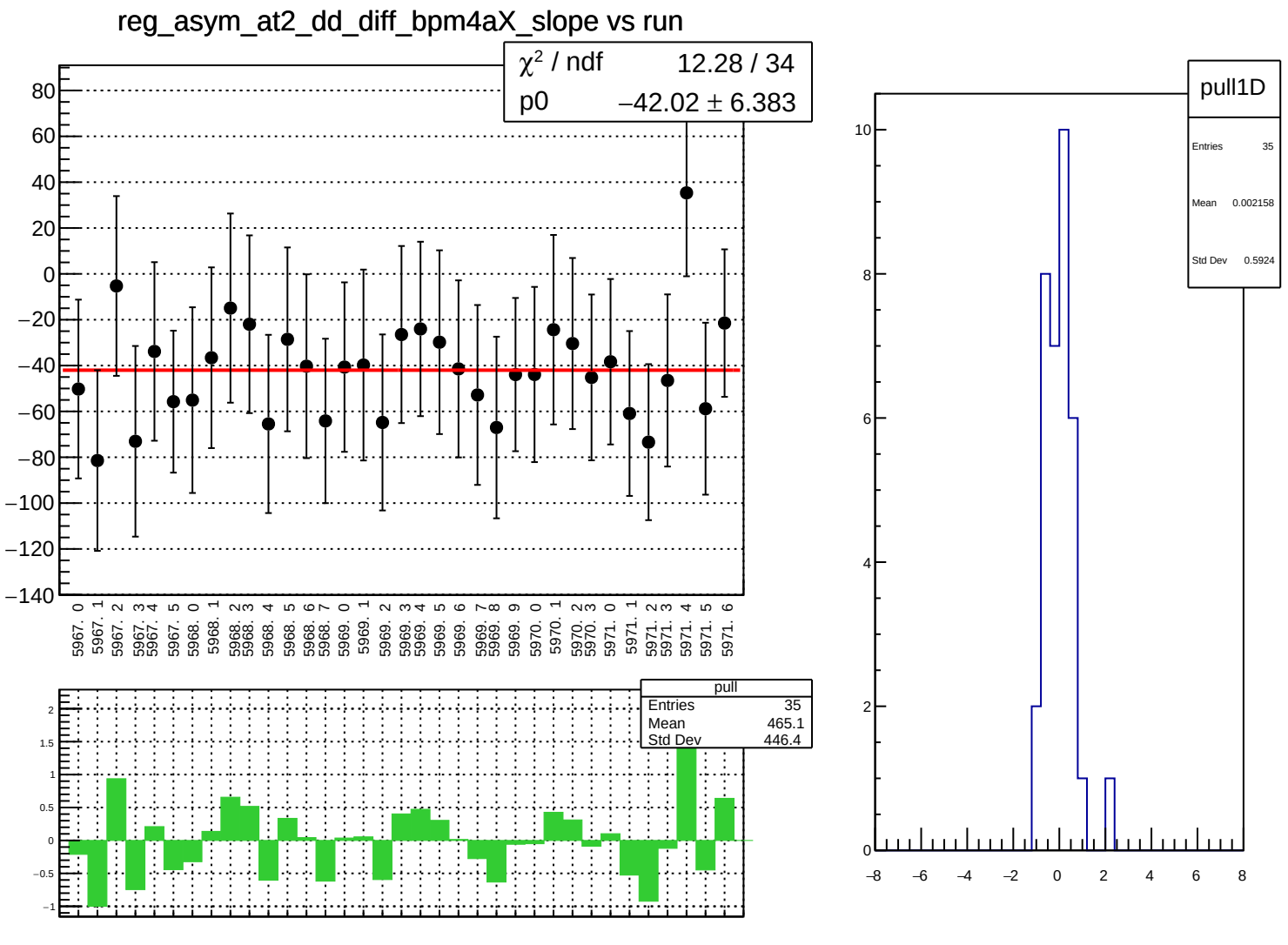

pull1D
Entries 35
Mean 0.00552
Std Dev 0.3031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

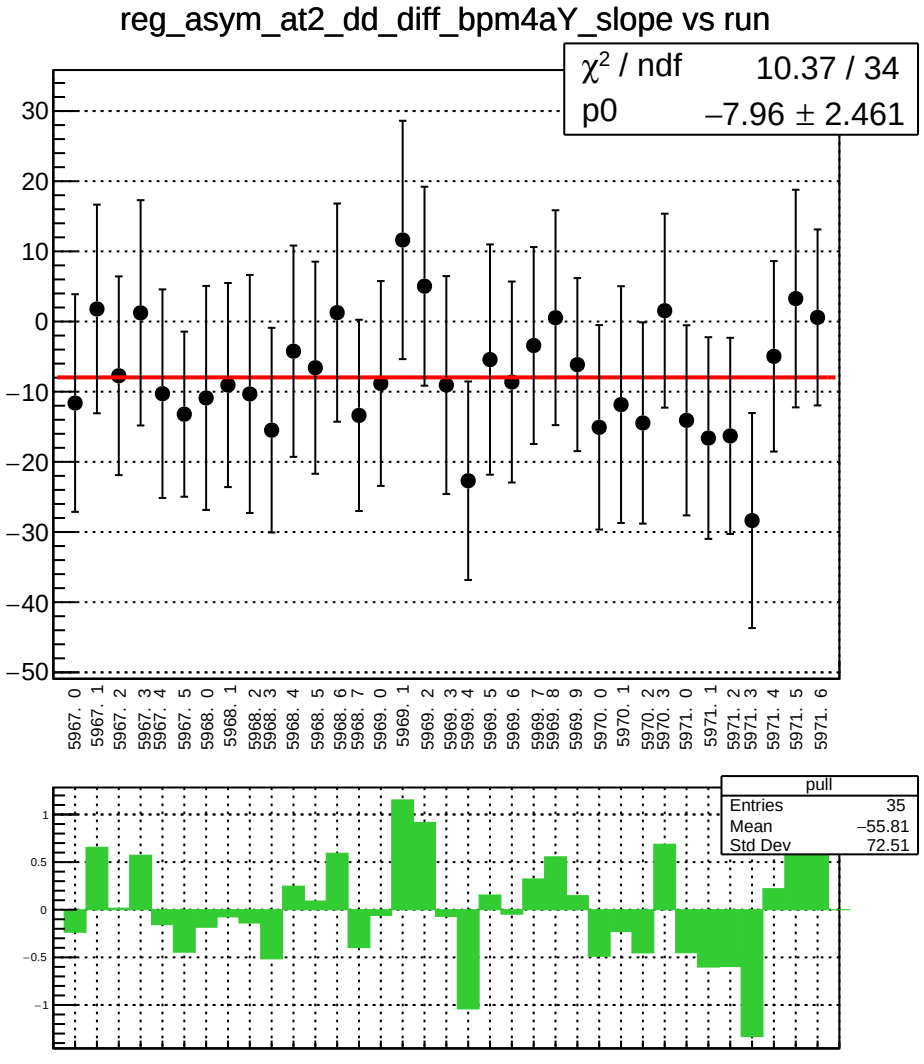

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.675 / 34
p0 123.9 ± 8.571
200
180
160
140
120
100
80
60
40
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −65.43
Std Dev 85.61
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

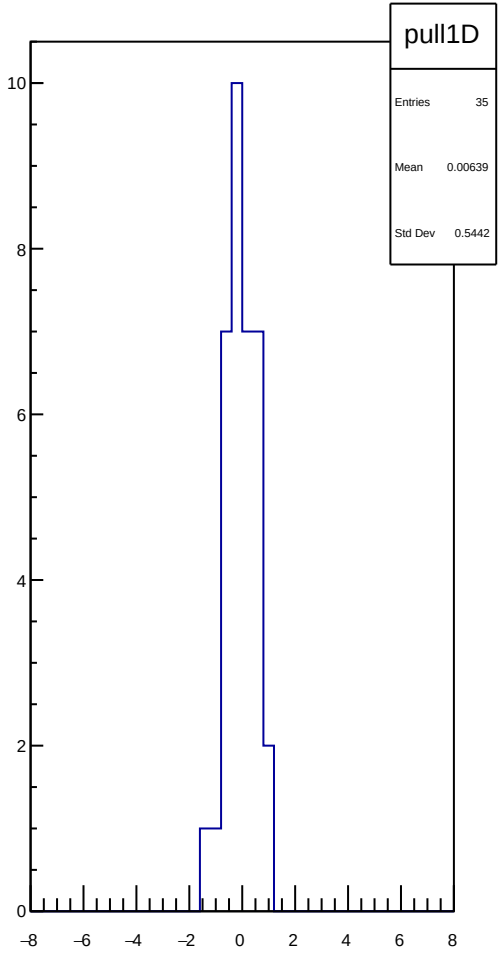

pull1D
Entries 35
Mean −0.00401
Std Dev 0.2187
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

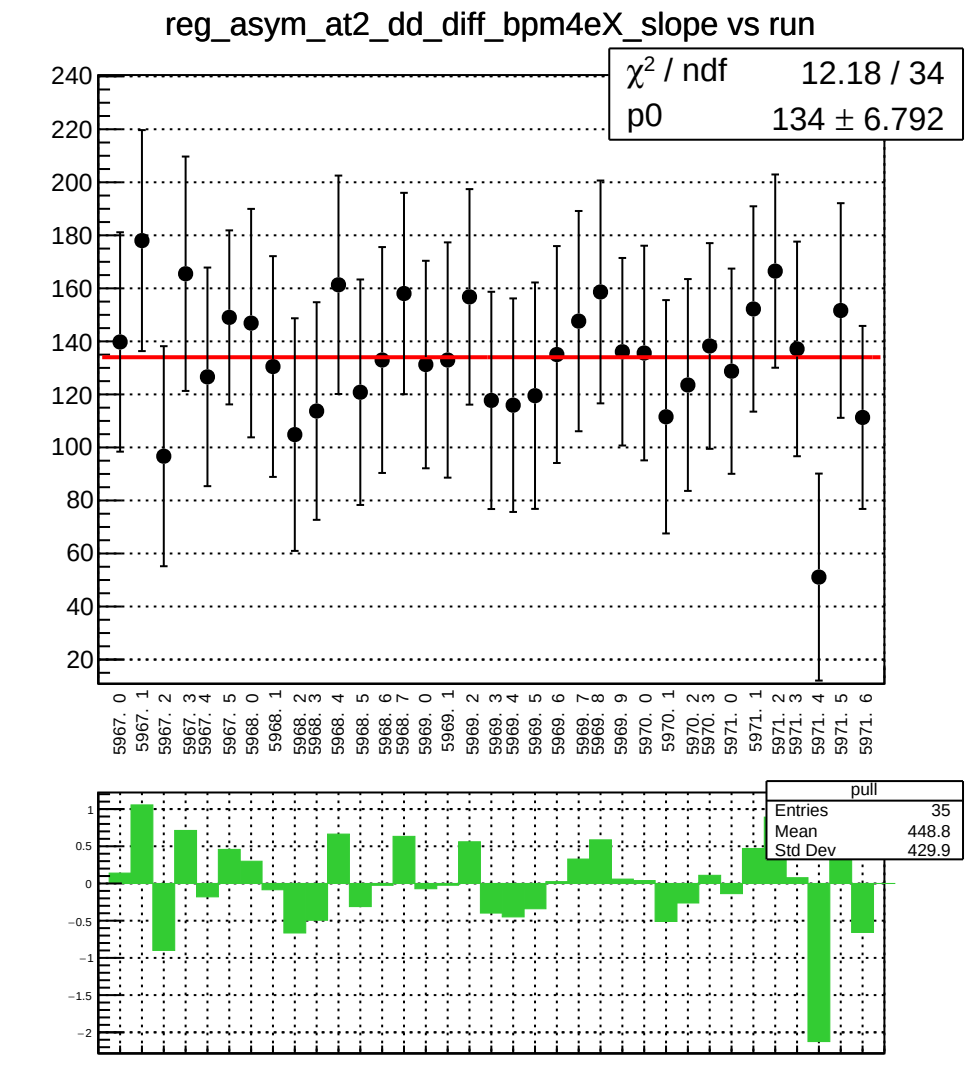

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.21 / 34
p0 −218 ± 0.7643
−210
−215
−220
−225
−230
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 25.44
Std Dev 11.29
1
0.5
0
−0.5
−1

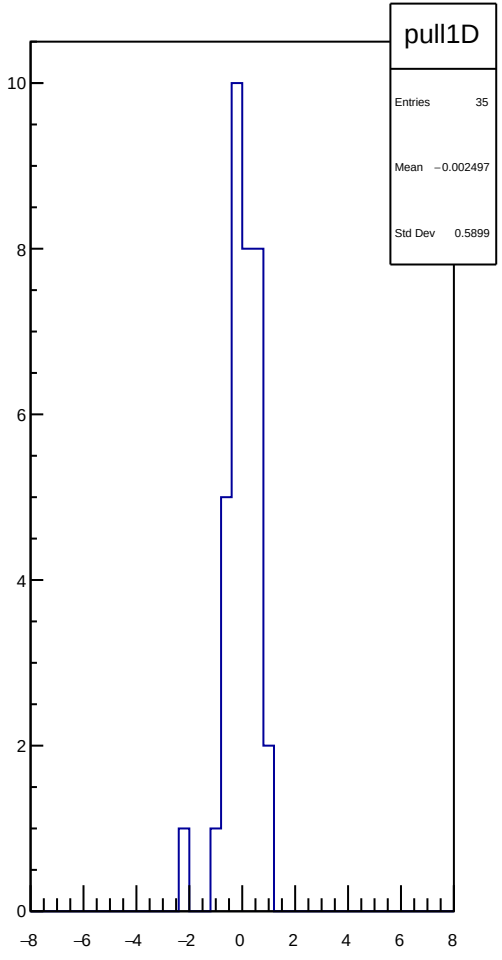

pull1D
Entries 35
Mean −0.01499
Std Dev 0.6142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

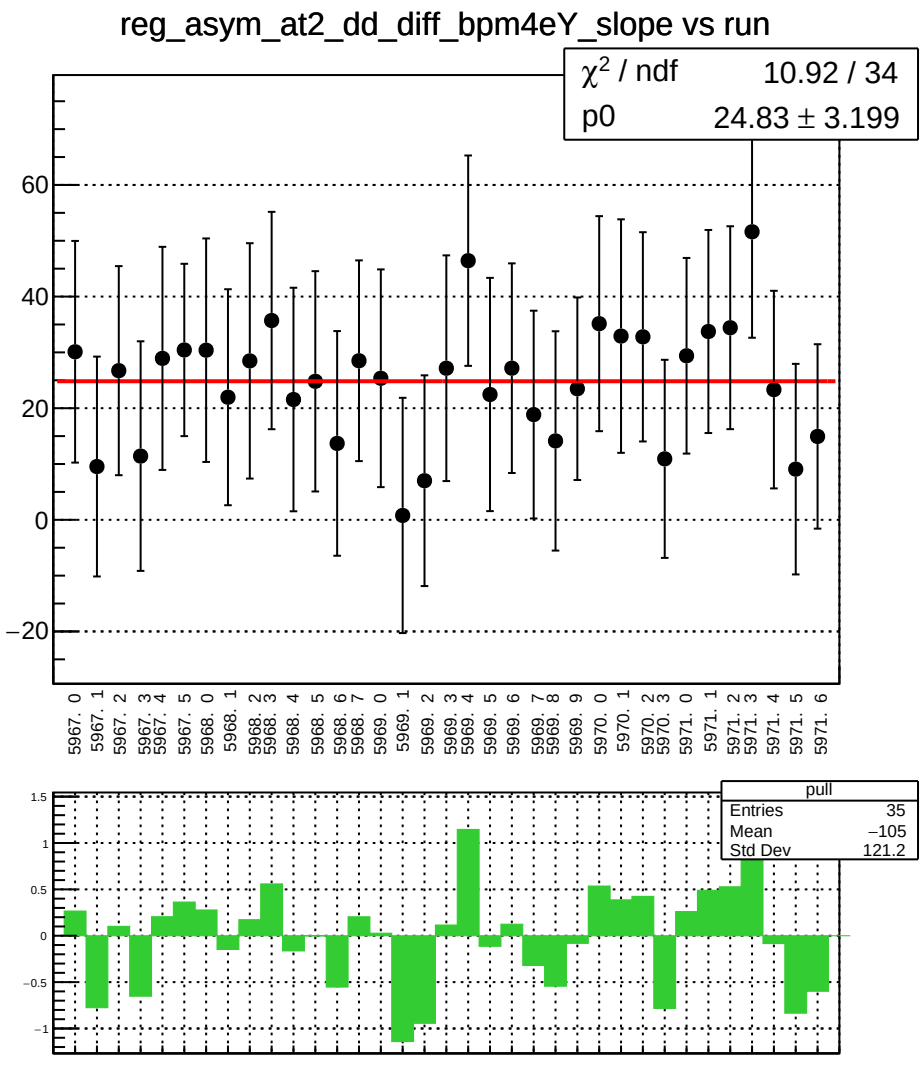

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.28 / 34
p0 −42.02 ± 6.383
pull
Entries 35
Mean 465.1
Std Dev 446.4
pull1D
Entries 35
Mean 0.002158
Std Dev 0.5924

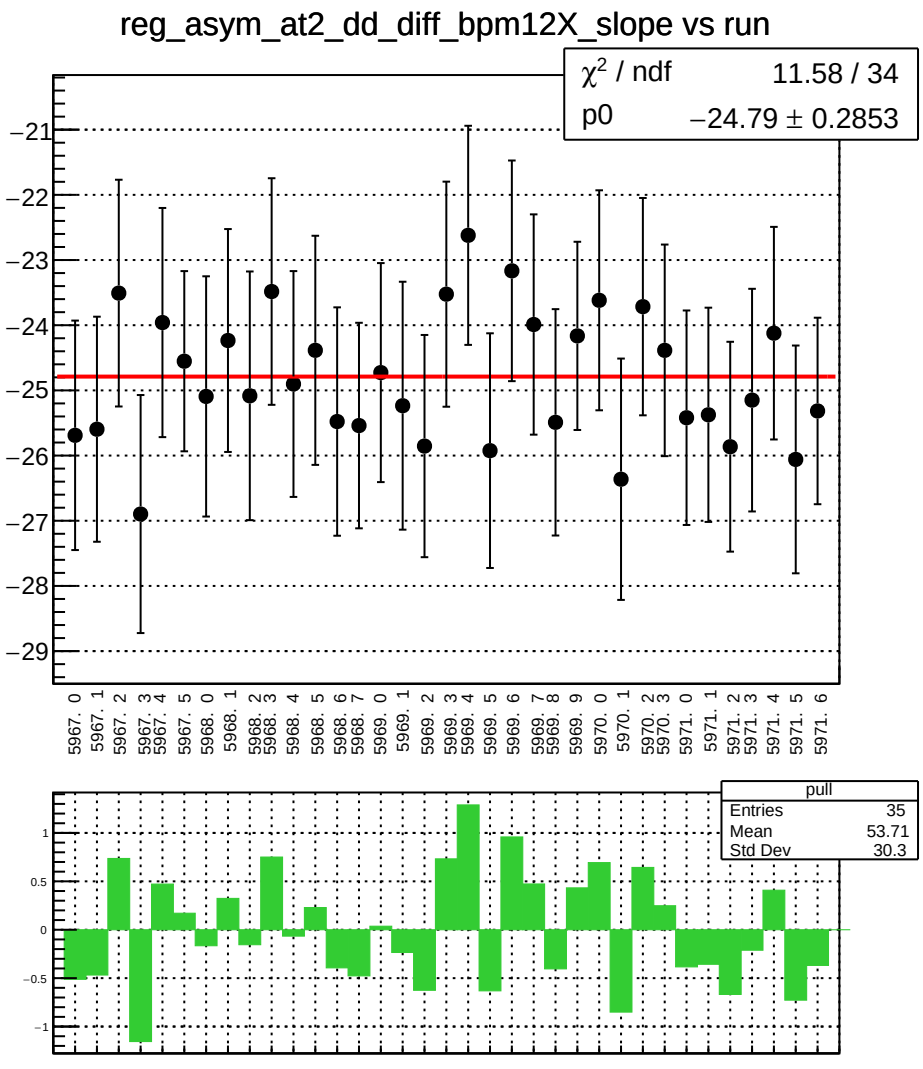

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.37 / 34
p0 −7.96 ± 2.461
pull
Entries 35
Mean −55.81
Std Dev 72.51

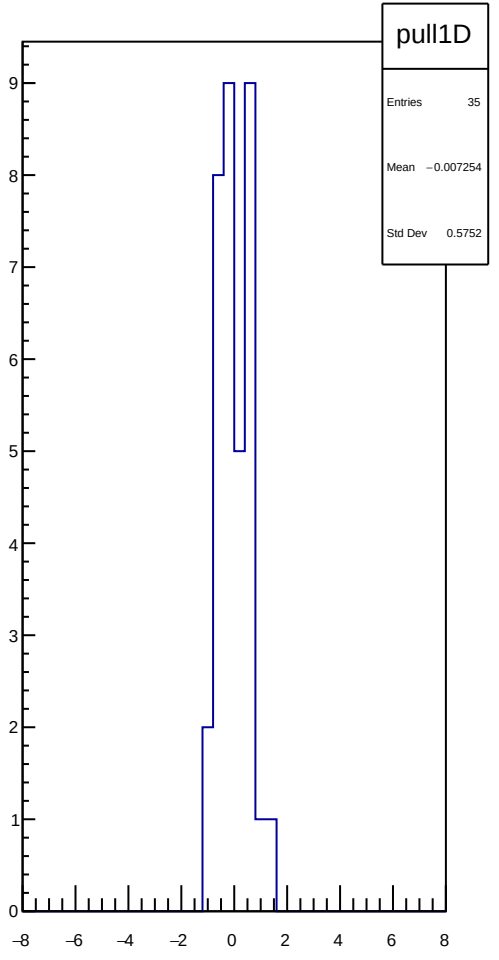

pull1D
Entries 35
Mean 0.00639
Std Dev 0.5442

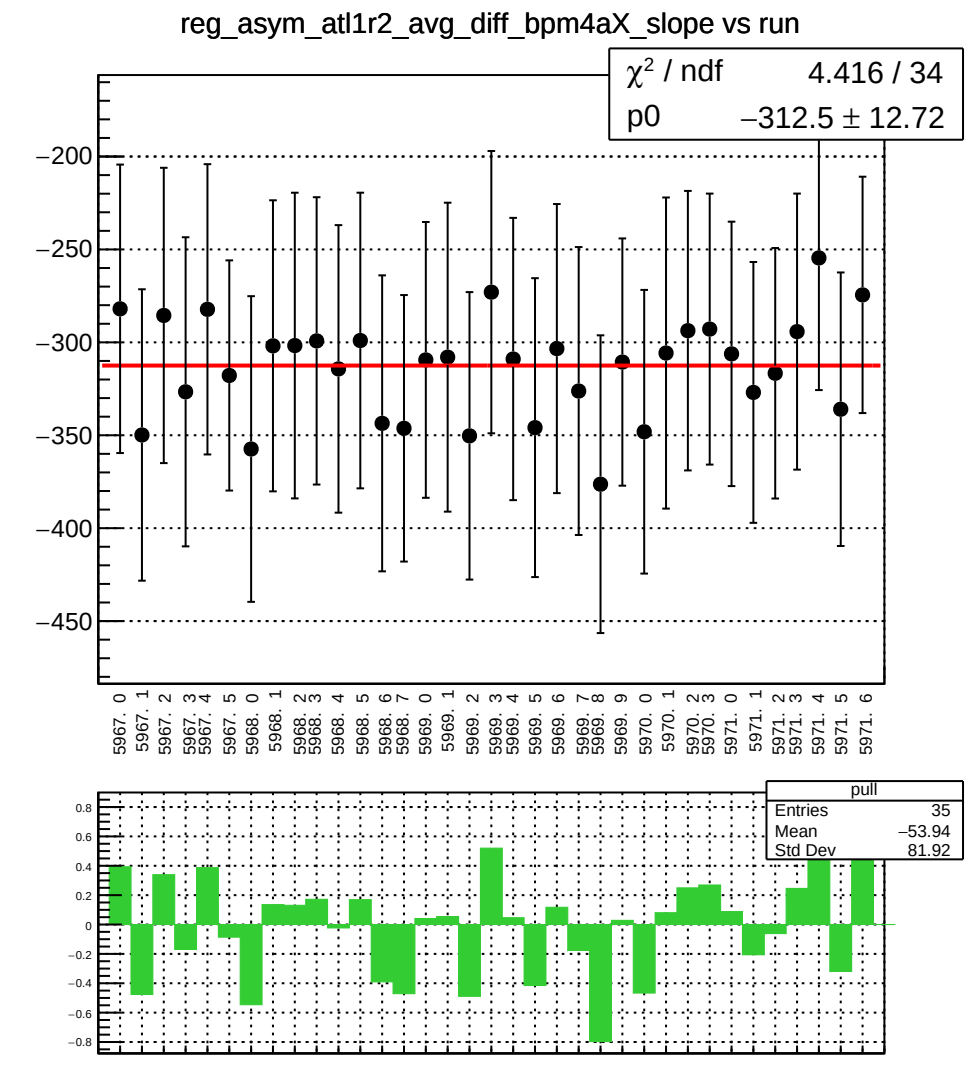

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.18 / 34
p0 134 ± 6.792
pull
Entries 35
Mean 448.8
Std Dev 429.9

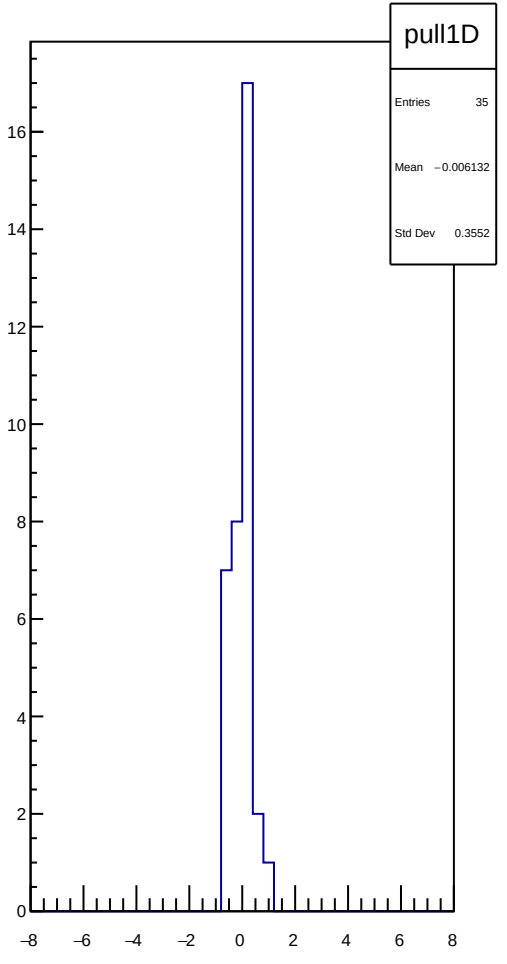

pull1D
Entries 35
Mean −0.002497
Std Dev 0.5899

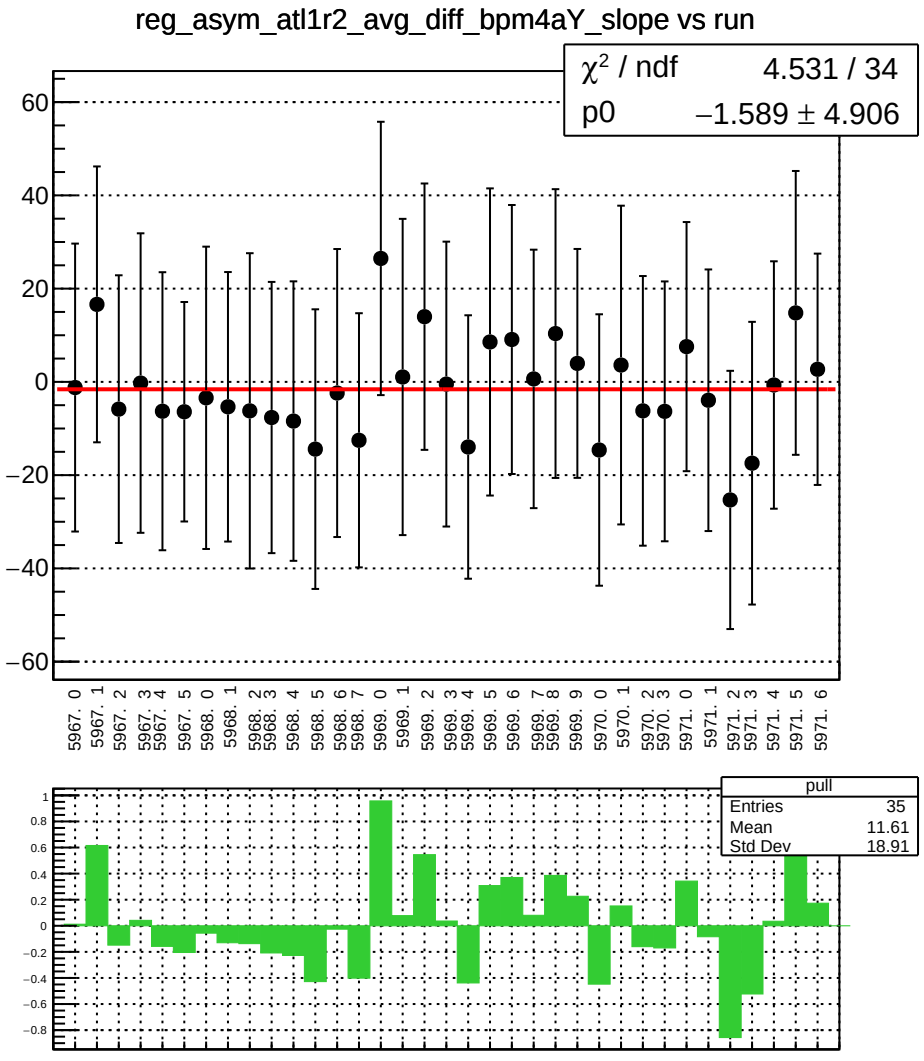

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.92 / 34
p0 24.83 ± 3.199
60
40
20
0
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −105
Std Dev 121.2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.004034
Std Dev 0.5586
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

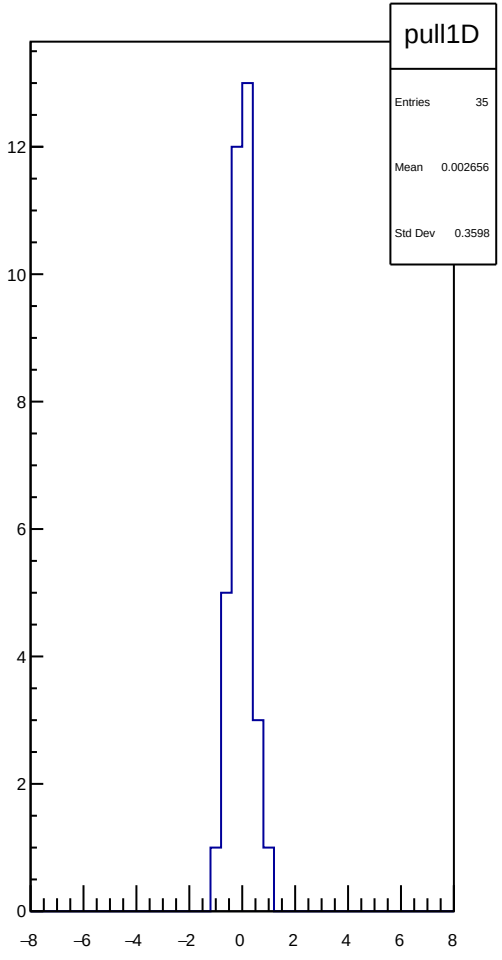

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 11.58 / 34
p0 −24.79 ± 0.2853
−21
−22
−23
−24
−25
−26
−27
−28
−29
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 53.71
Std Dev 30.3
1
0.5
0
−0.5
−1

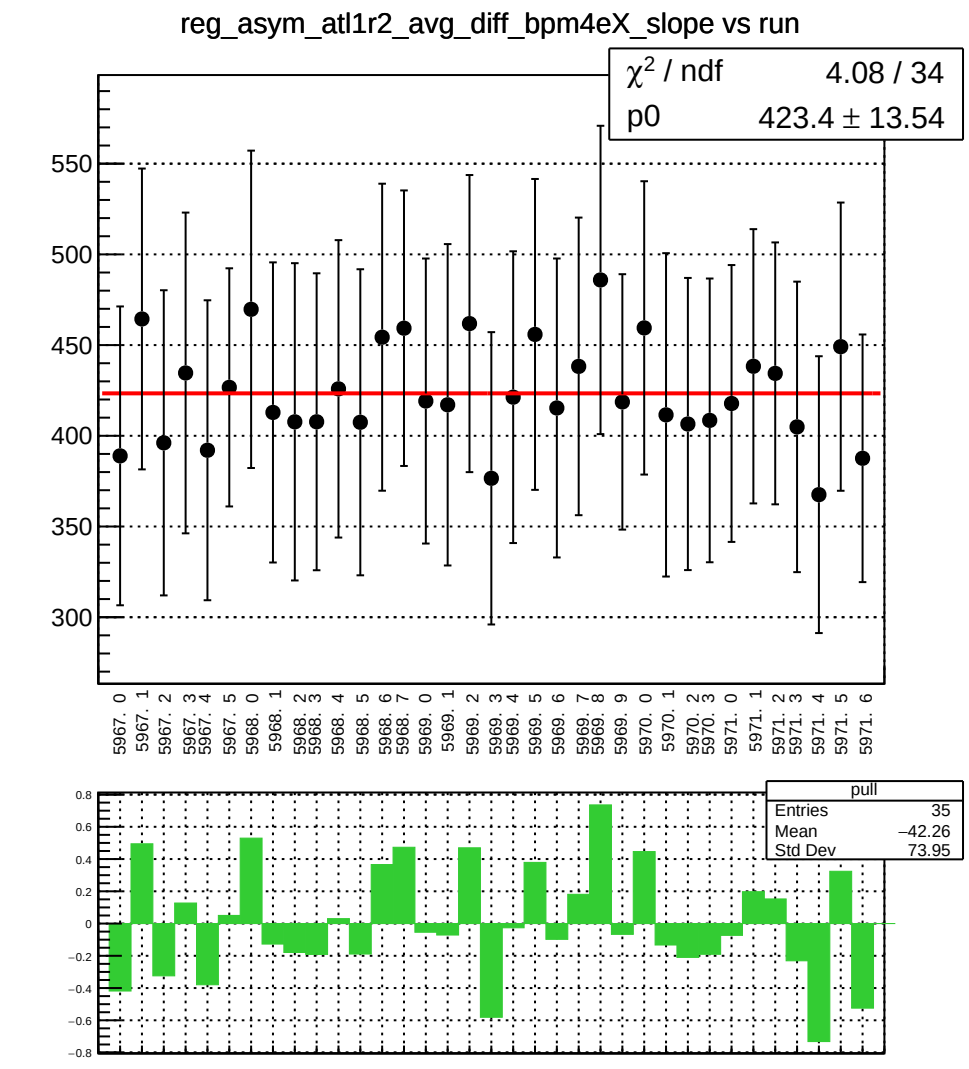

pull1D
Entries 35
Mean −0.007254
Std Dev 0.5752
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

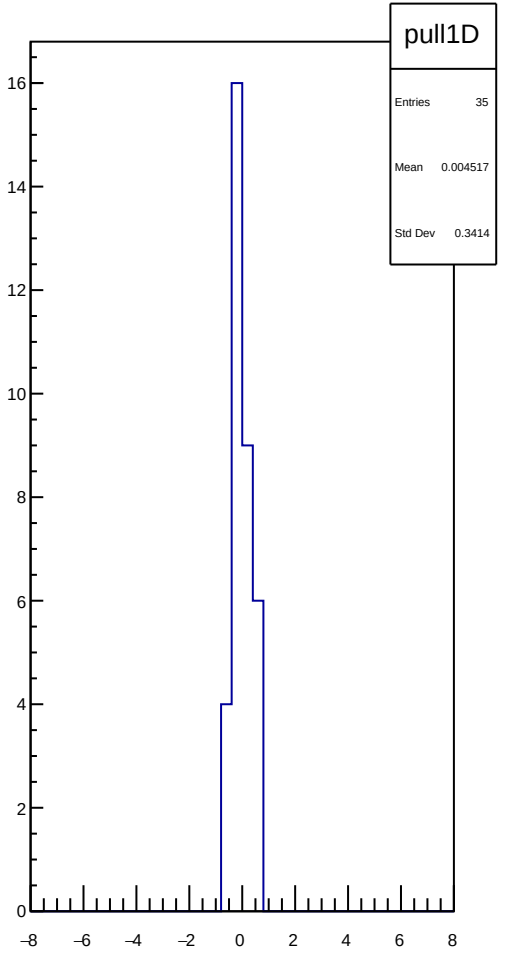

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.416 / 34
p0 −312.5 ± 12.72
−200
−250
−300
−350
−400
−450
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −53.94
Std Dev 81.92
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

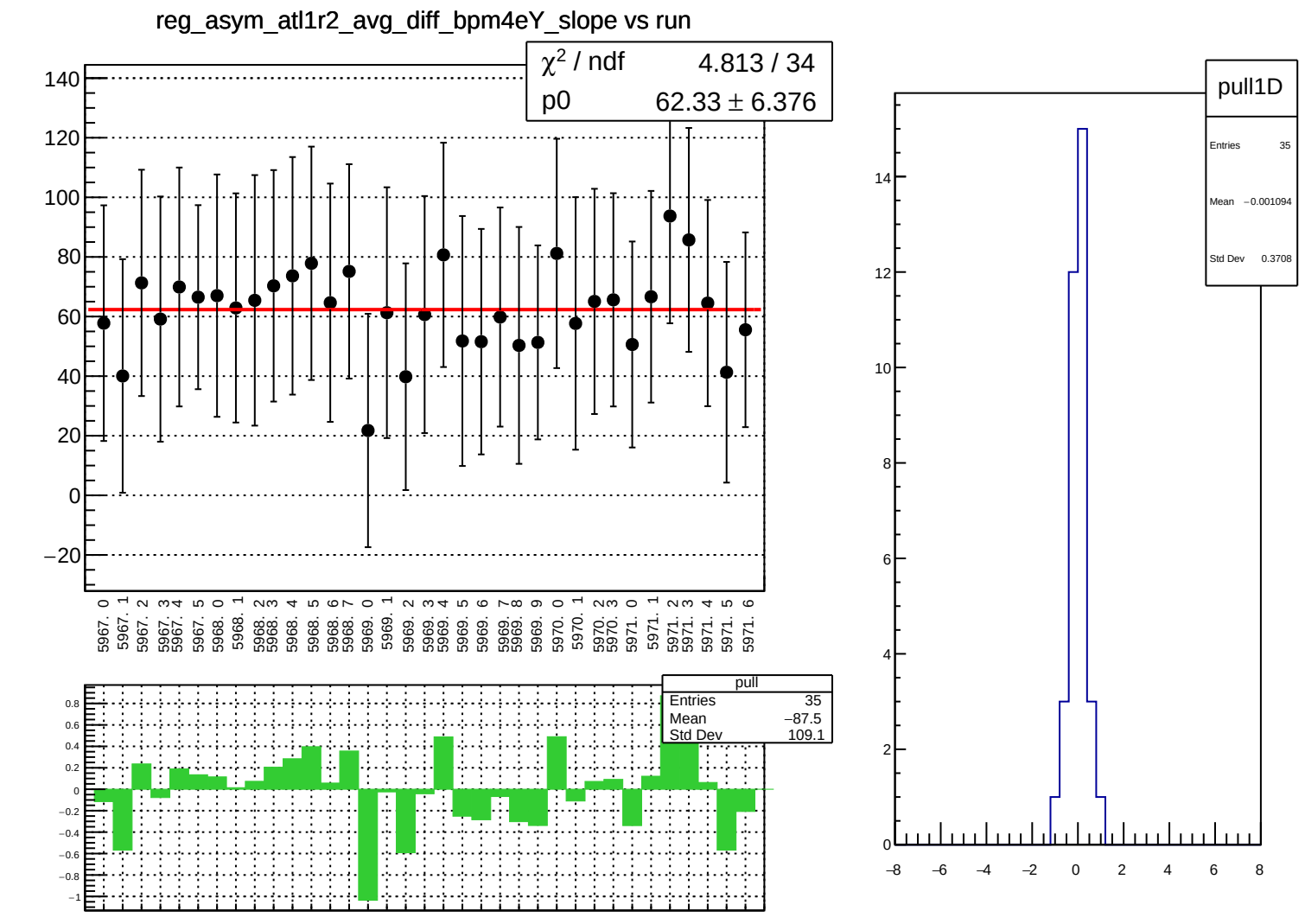

pull1D
Entries 35
Mean −0.006132
Std Dev 0.3552
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

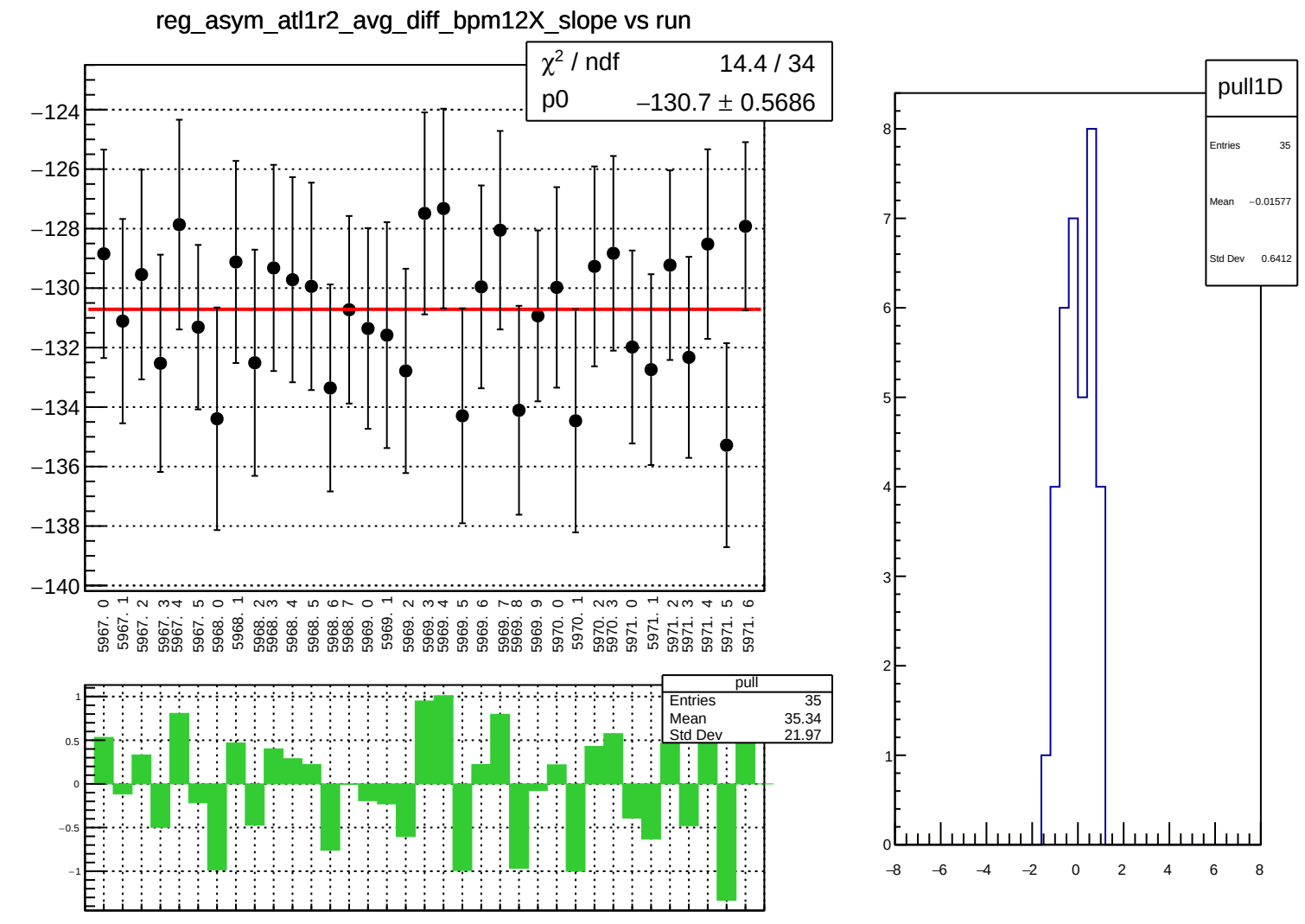

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.531 / 34
p0 −1.589 ± 4.906
pull
Entries 35
Mean 11.61
Std Dev 18.91

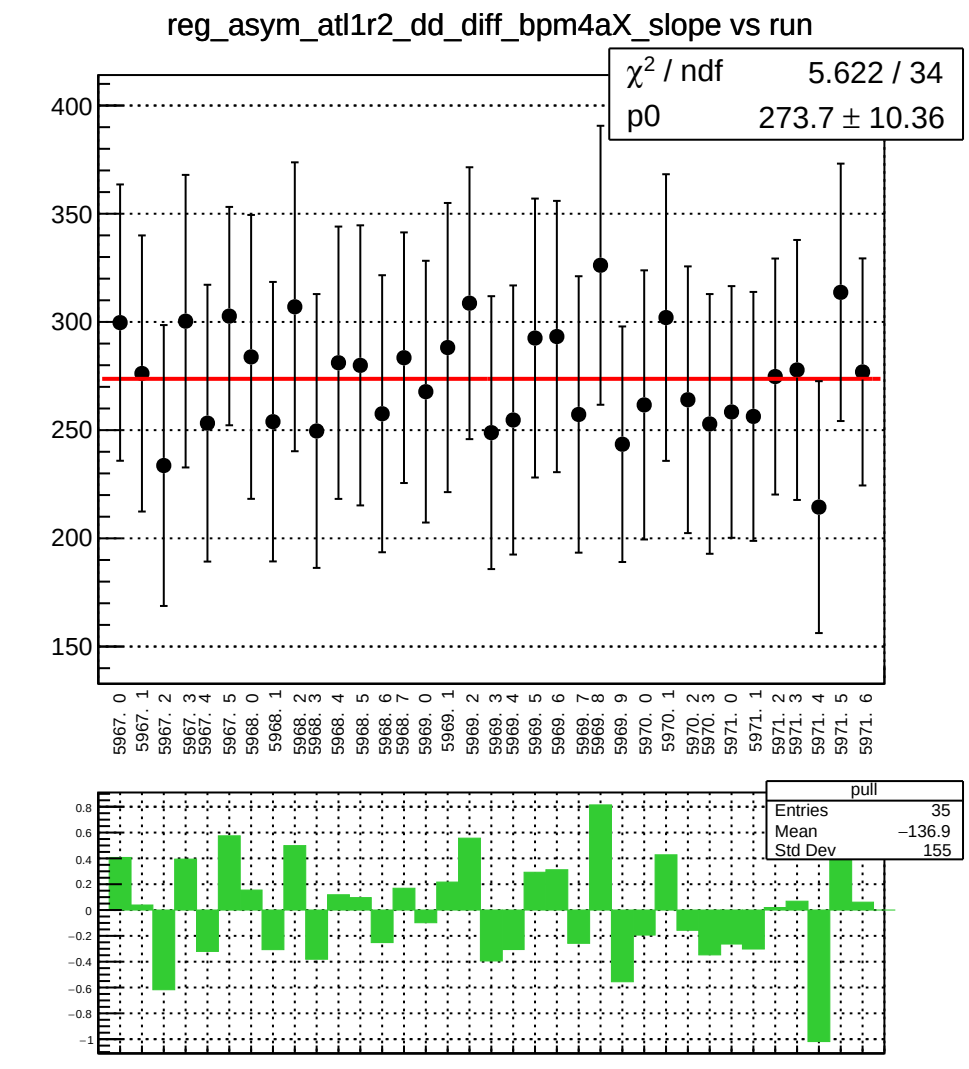

pull1D
Entries 35
Mean 0.002656
Std Dev 0.3598

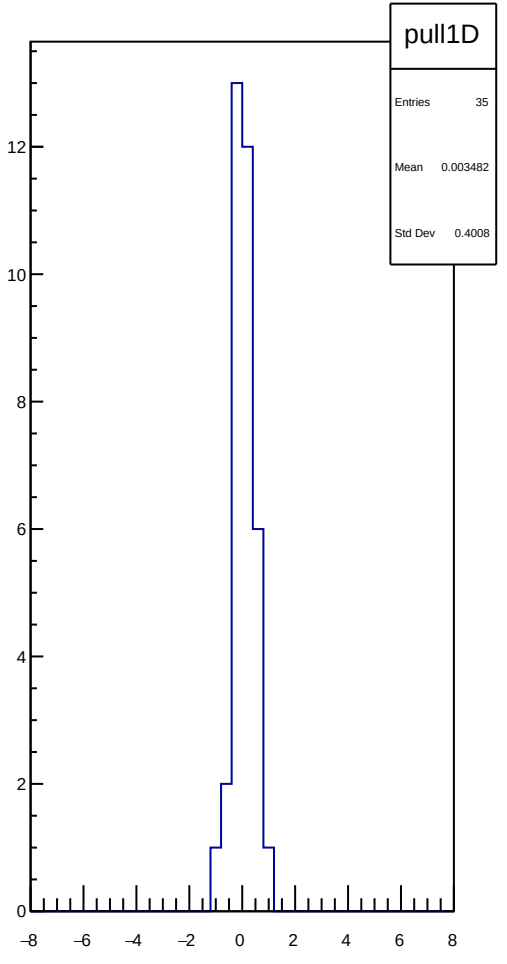

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.08 / 34
p0 423.4 ± 13.54
550
500
450
400
350
300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −42.26
Std Dev 73.95
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

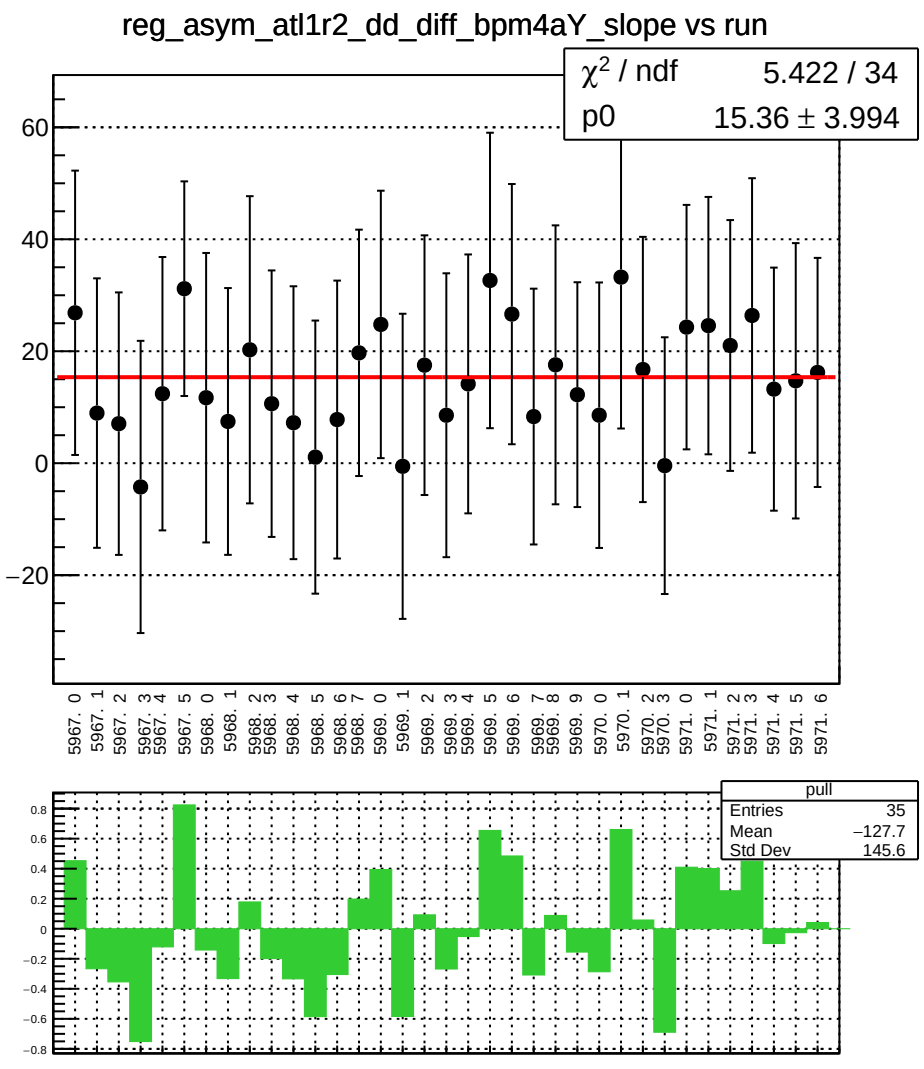

pull1D
Entries 35
Mean 0.004517
Std Dev 0.3414
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

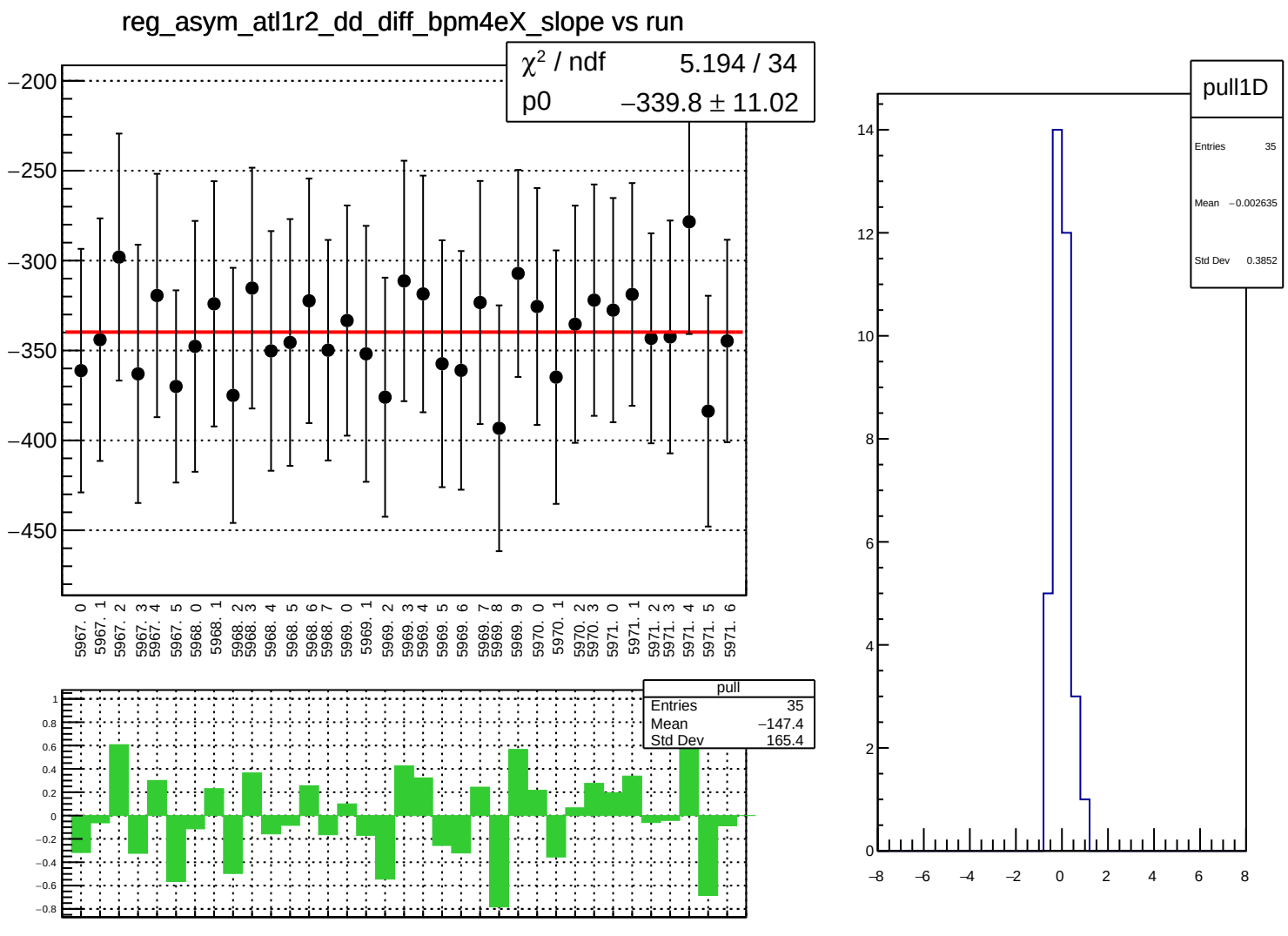

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.813 / 34
p0 62.33 ± 6.376
140
120
100
80
60
40
20
0
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −87.5
Std Dev 109.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 35
Mean −0.001094
Std Dev 0.3708
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

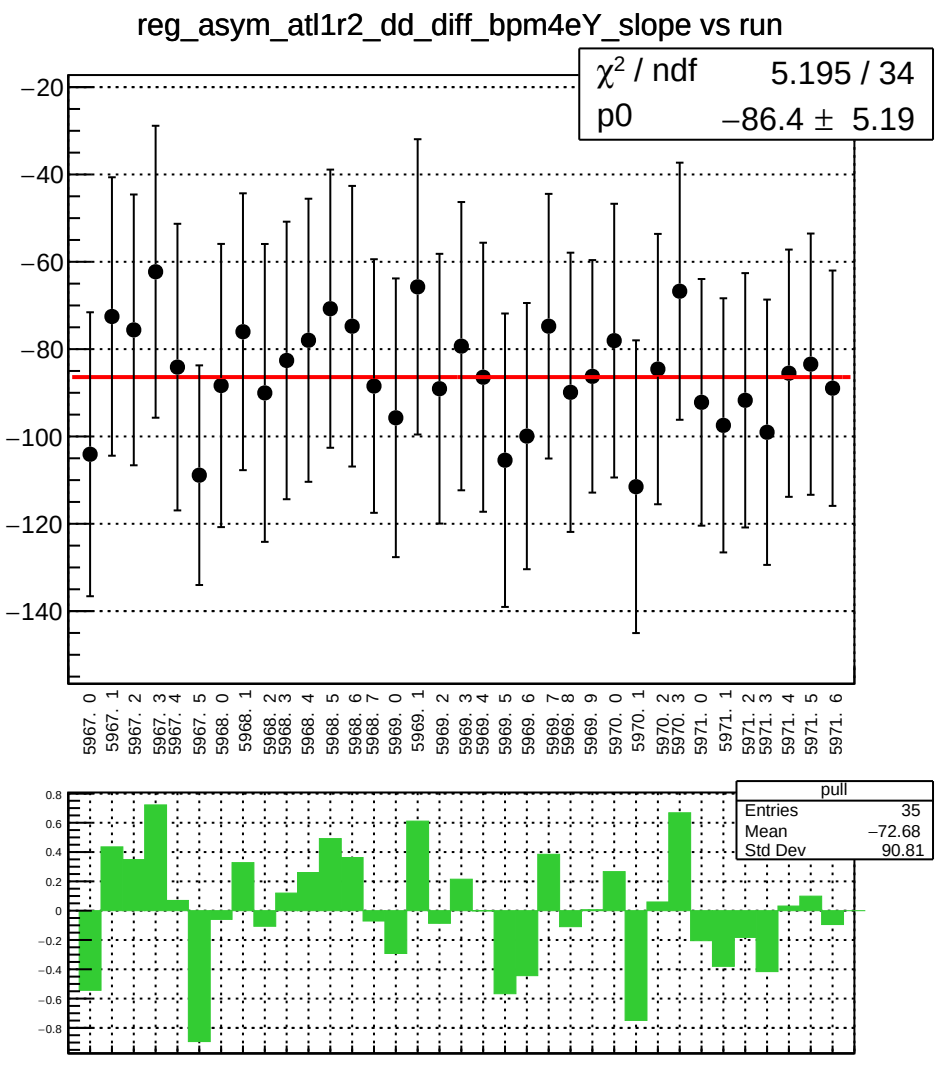

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.4 / 34
p0 −130.7 ± 0.5686
−124
−126
−128
−130
−132
−134
−136
−138
−140
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 35.34
Std Dev 21.97
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.01577
Std Dev 0.6412
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

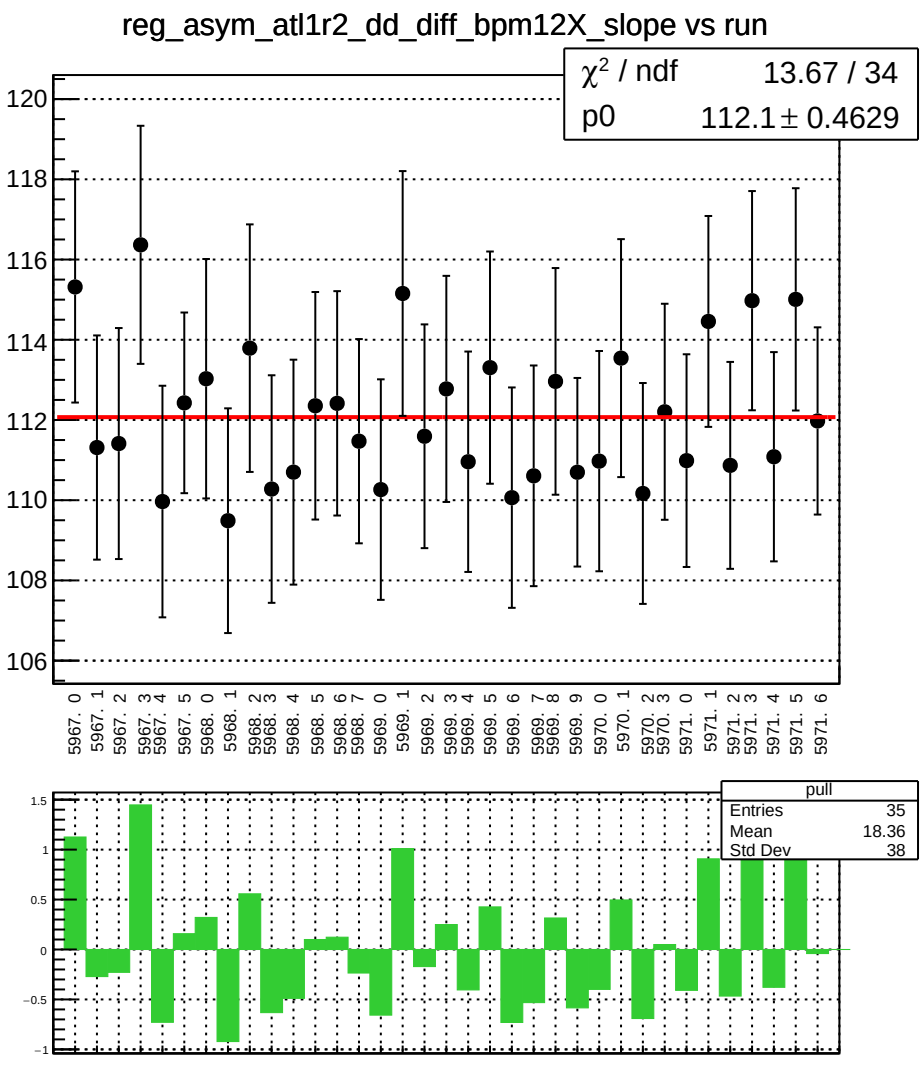

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.622 / 34
p0 273.7 ± 10.36
400
350
300
250
200
150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −136.9
Std Dev 155
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

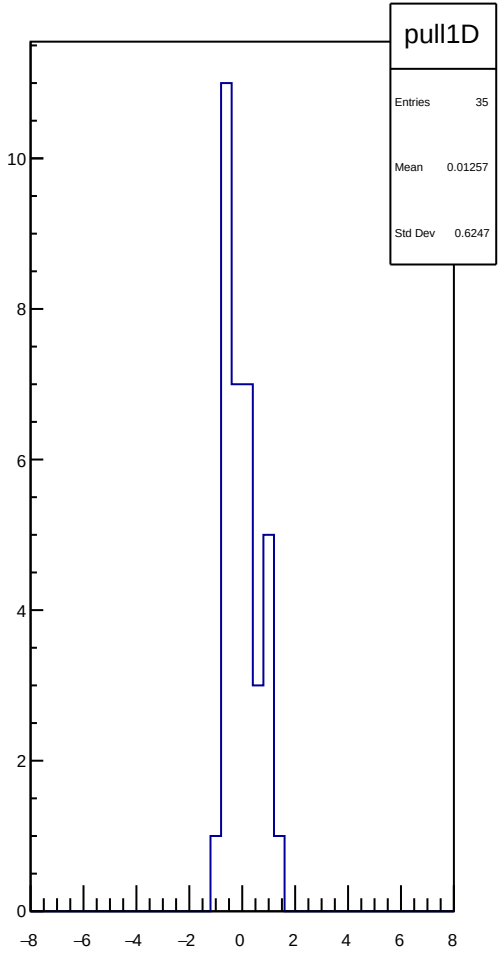

pull1D
Entries 35
Mean 0.003482
Std Dev 0.4008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

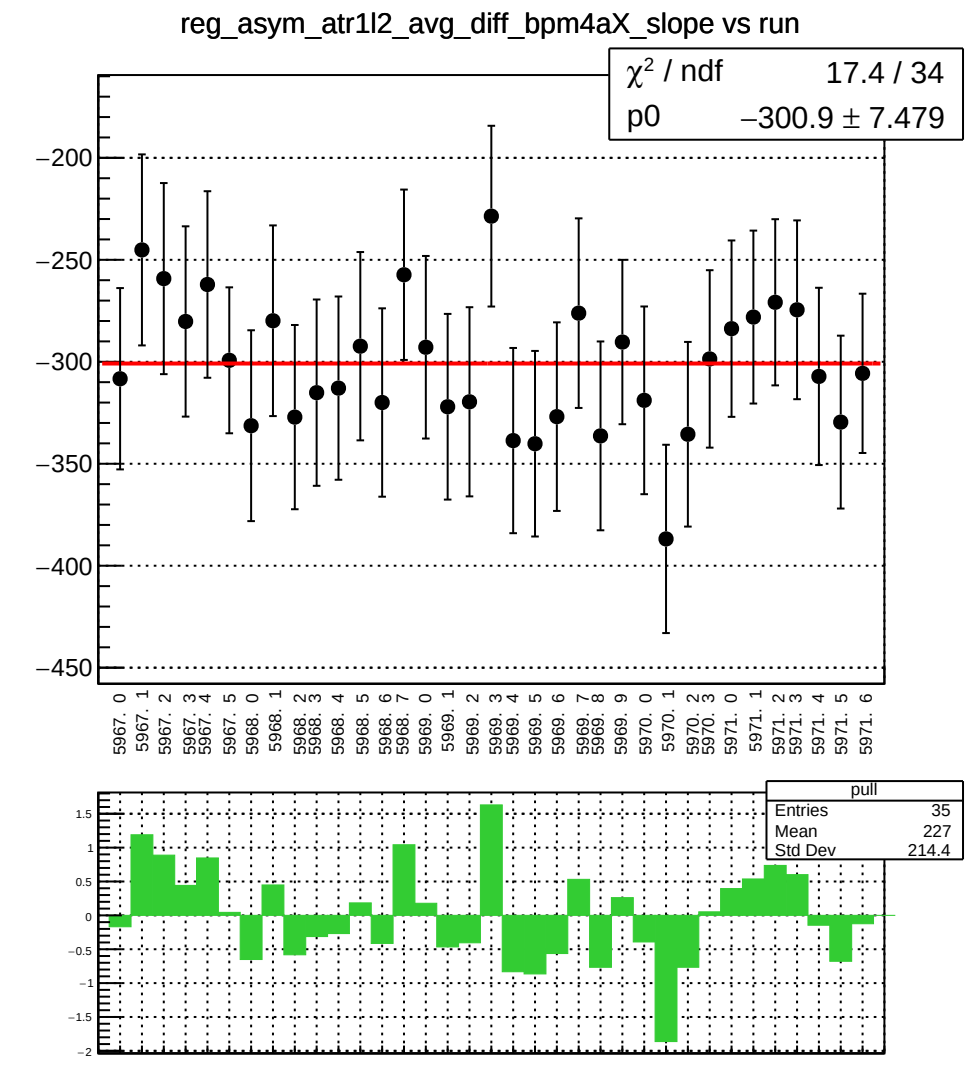

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.422 / 34
p0 15.36 ± 3.994
60
40
20
0
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −127.7
Std Dev 145.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean −0.006104
Std Dev 0.3935
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

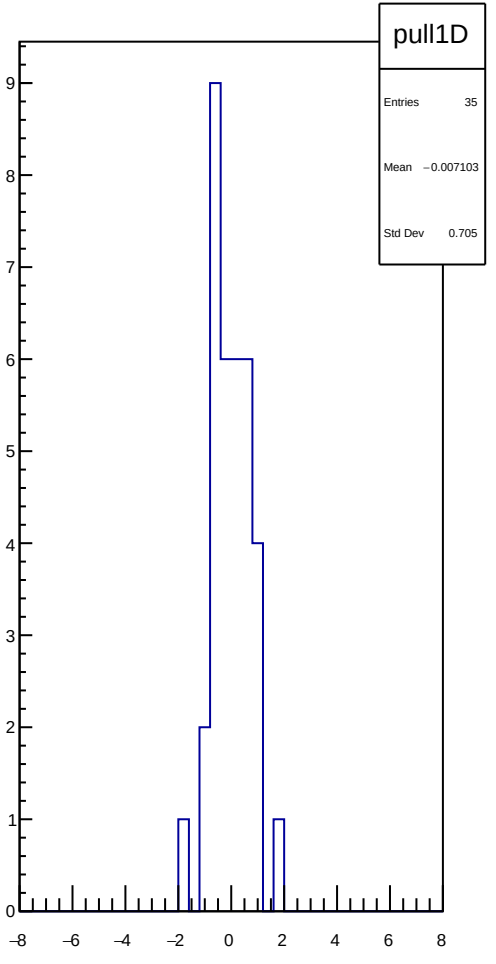

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.194 / 34
p0 −339.8 ± 11.02
−200
−250
−300
−350
−400
−450
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −147.4
Std Dev 165.4
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean −0.002635
Std Dev 0.3852
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

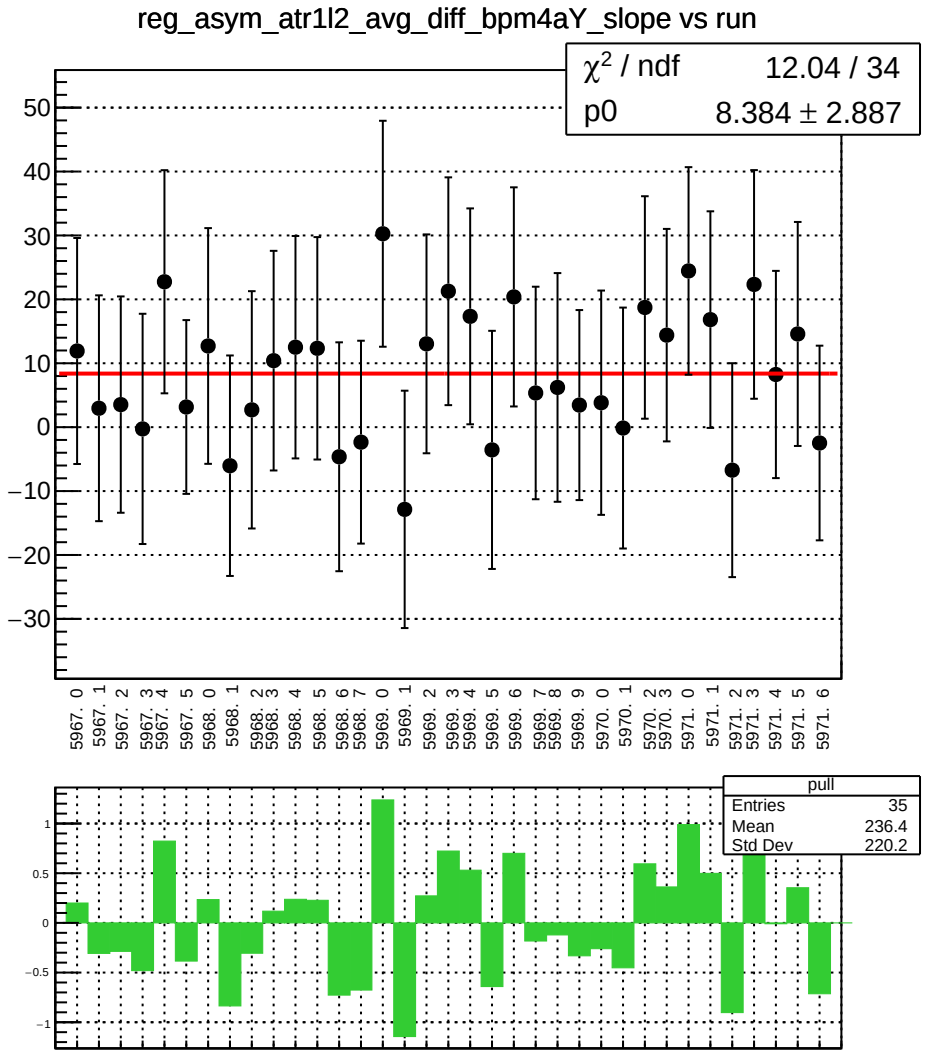

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.195 / 34
p0 −86.4 ± 5.19
pull
Entries 35
Mean −72.68
Std Dev 90.81
pull1D
Entries 35
Mean 0.008027
Std Dev 0.3852

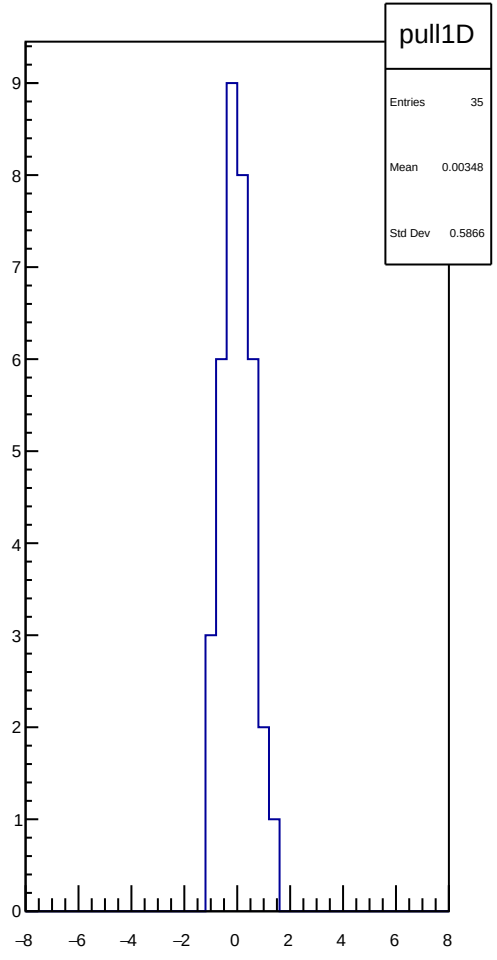

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.67 / 34
p0 112.1 ± 0.4629
pull
Entries 35
Mean 18.36
Std Dev 38

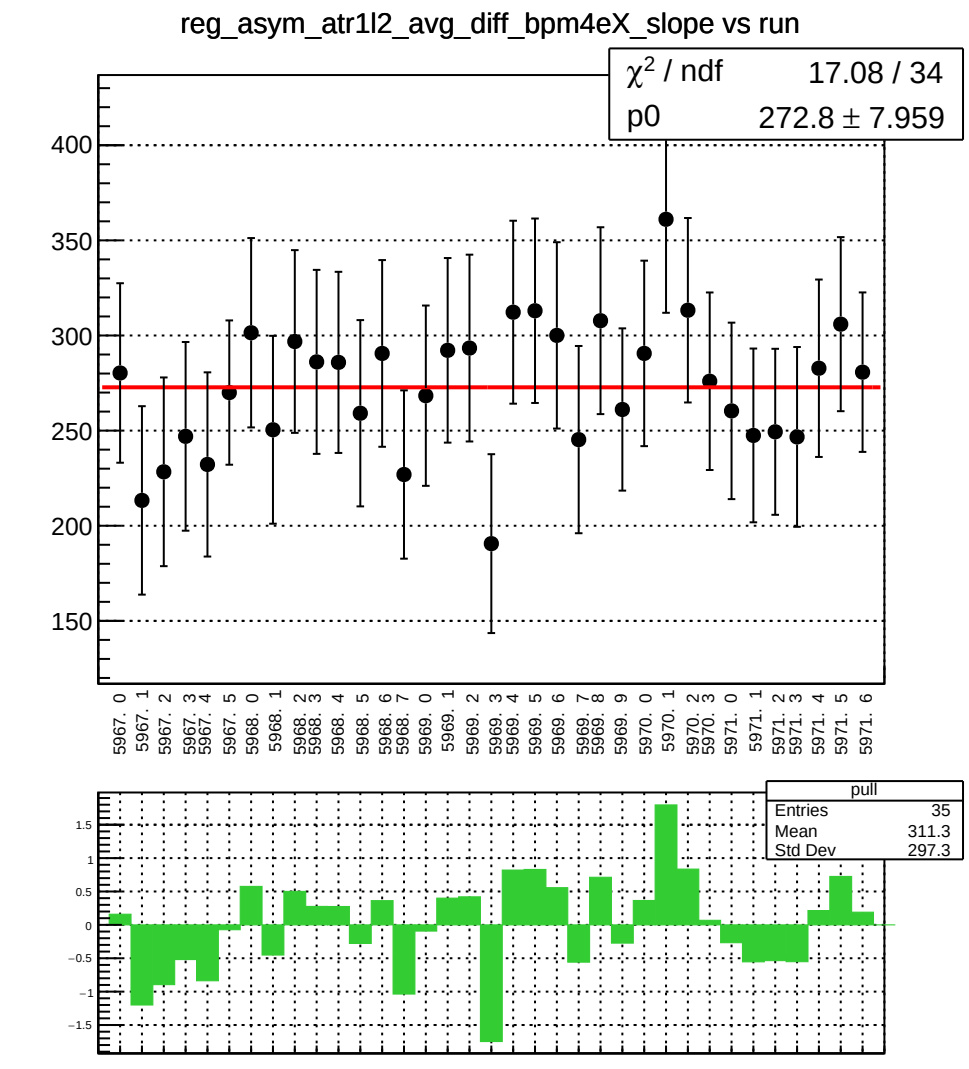

pull1D
Entries 35
Mean 0.01257
Std Dev 0.6247

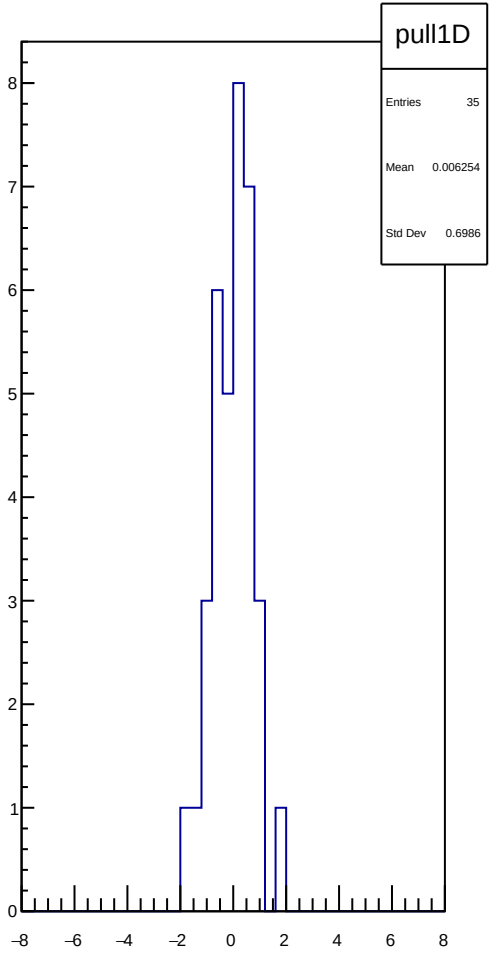

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 17.4 / 34
p0 −300.9 ± 7.479
−200
−250
−300
−350
−400
−450
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 227
Std Dev 214.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

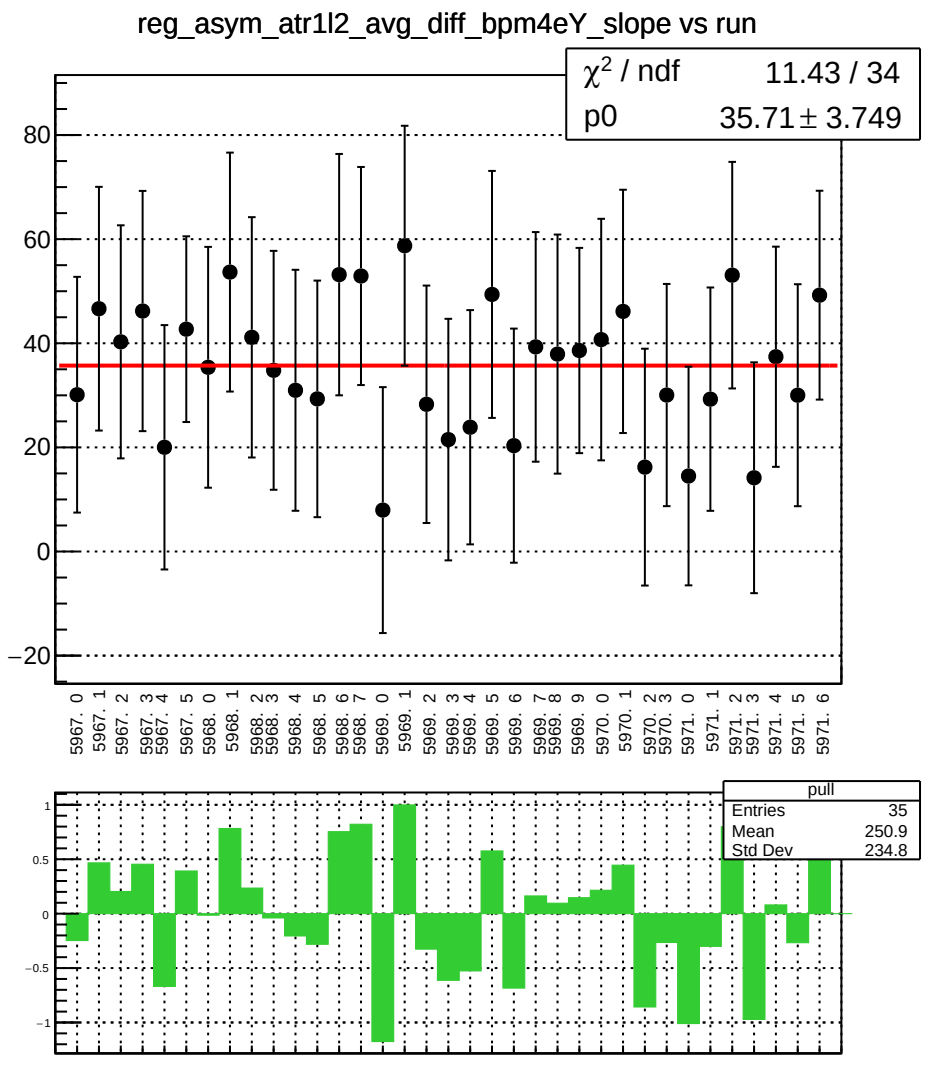

pull1D
Entries 35
Mean −0.007103
Std Dev 0.705
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

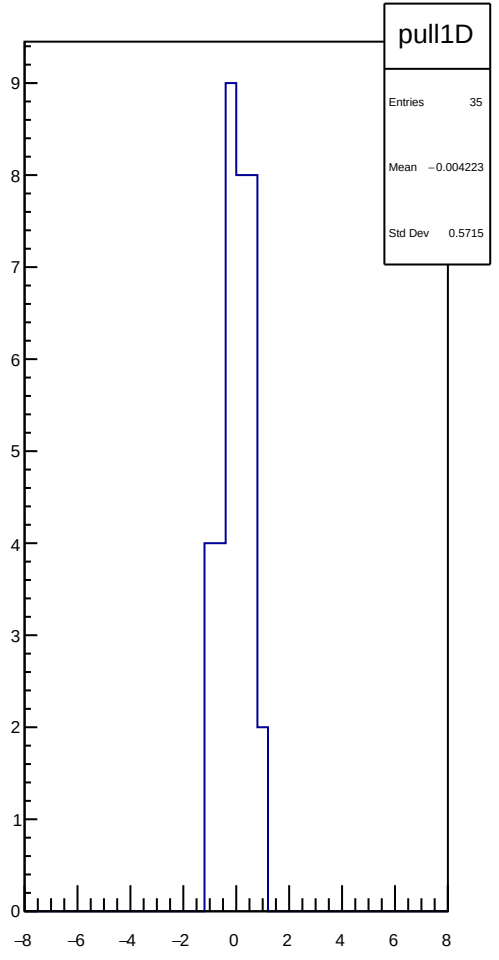

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.04 / 34
p0 8.384 ± 2.887
pull
Entries 35
Mean 236.4
Std Dev 220.2

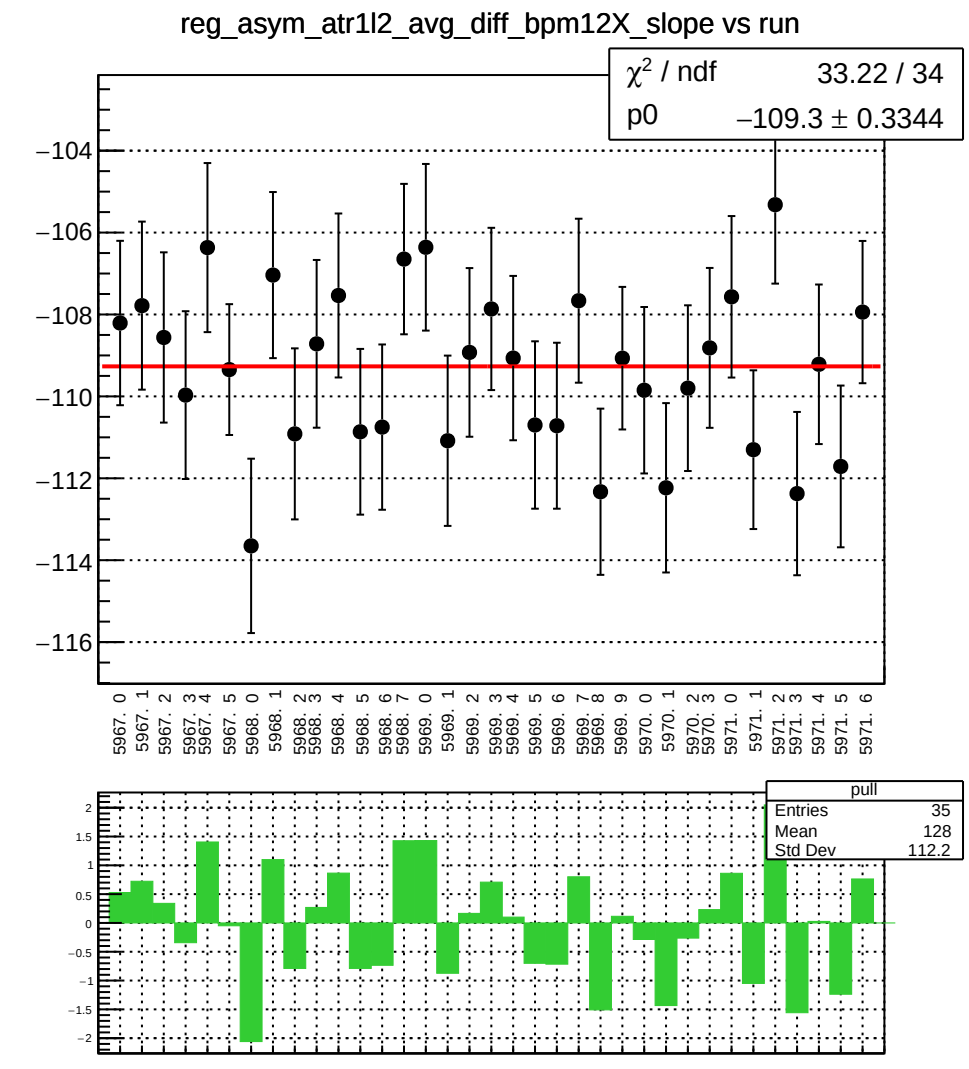

pull1D
Entries 35
Mean 0.00348
Std Dev 0.5866

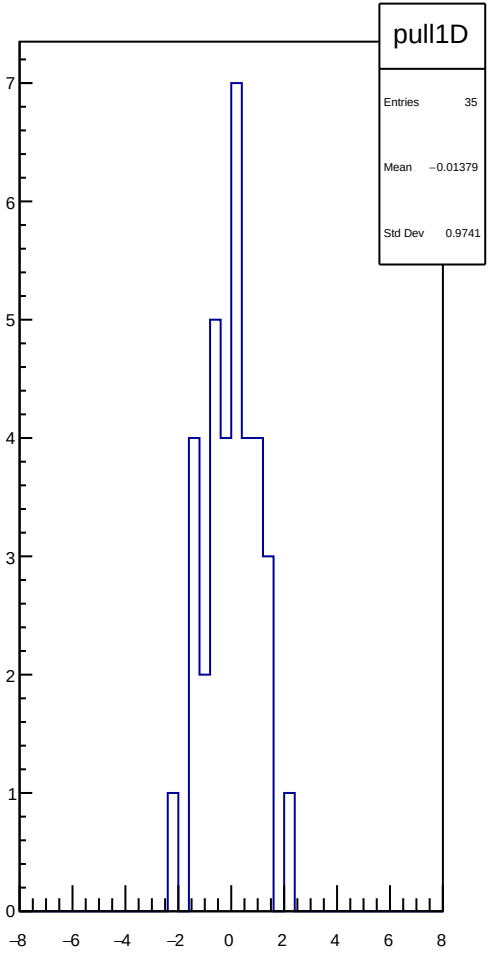

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.08 / 34
p0 272.8 ± 7.959
400
350
300
250
200
150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 311.3
Std Dev 297.3
1.5
1
0.5
0
−0.5
−1
−1.5

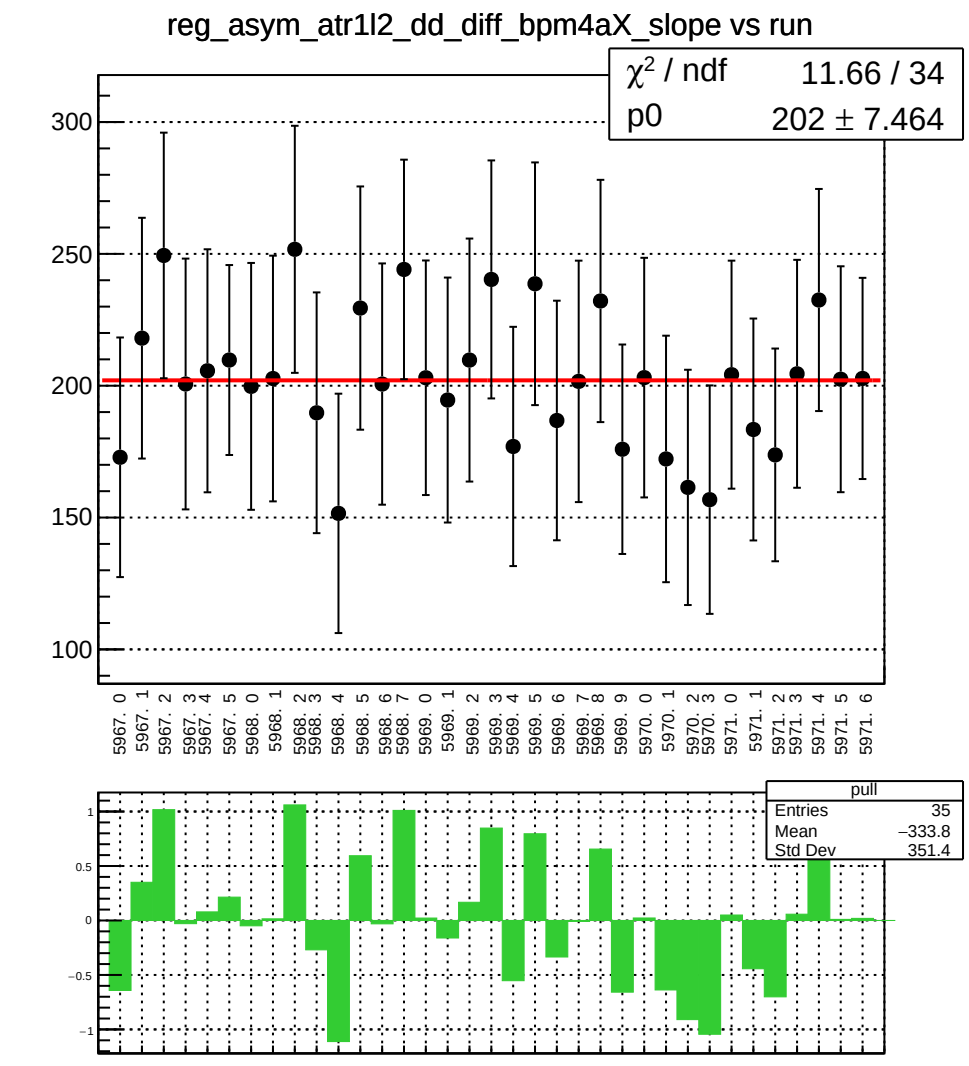

pull1D
Entries 35
Mean 0.006254
Std Dev 0.6986
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

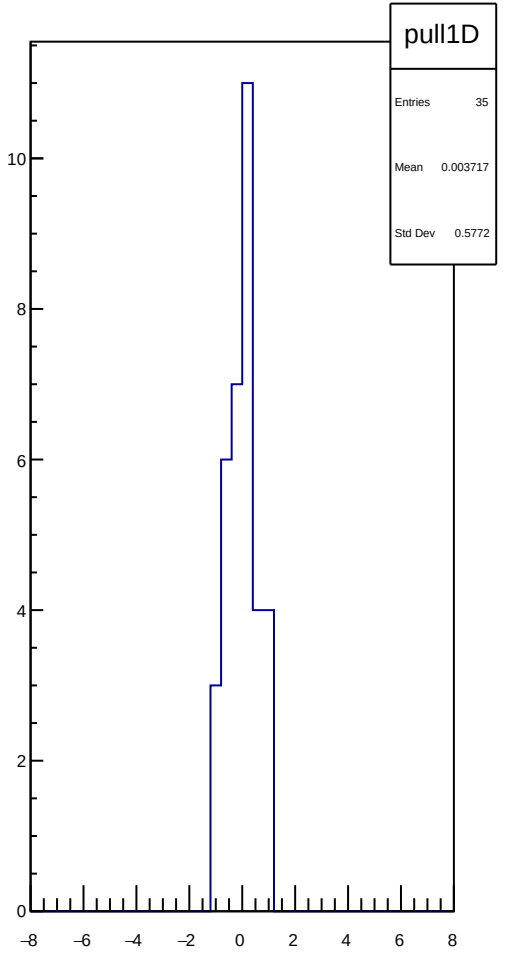

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.43 / 34
p0 35.71 ± 3.749
80
60
40
20
0
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 250.9
Std Dev 234.8
1
0.5
0
−0.5
−1

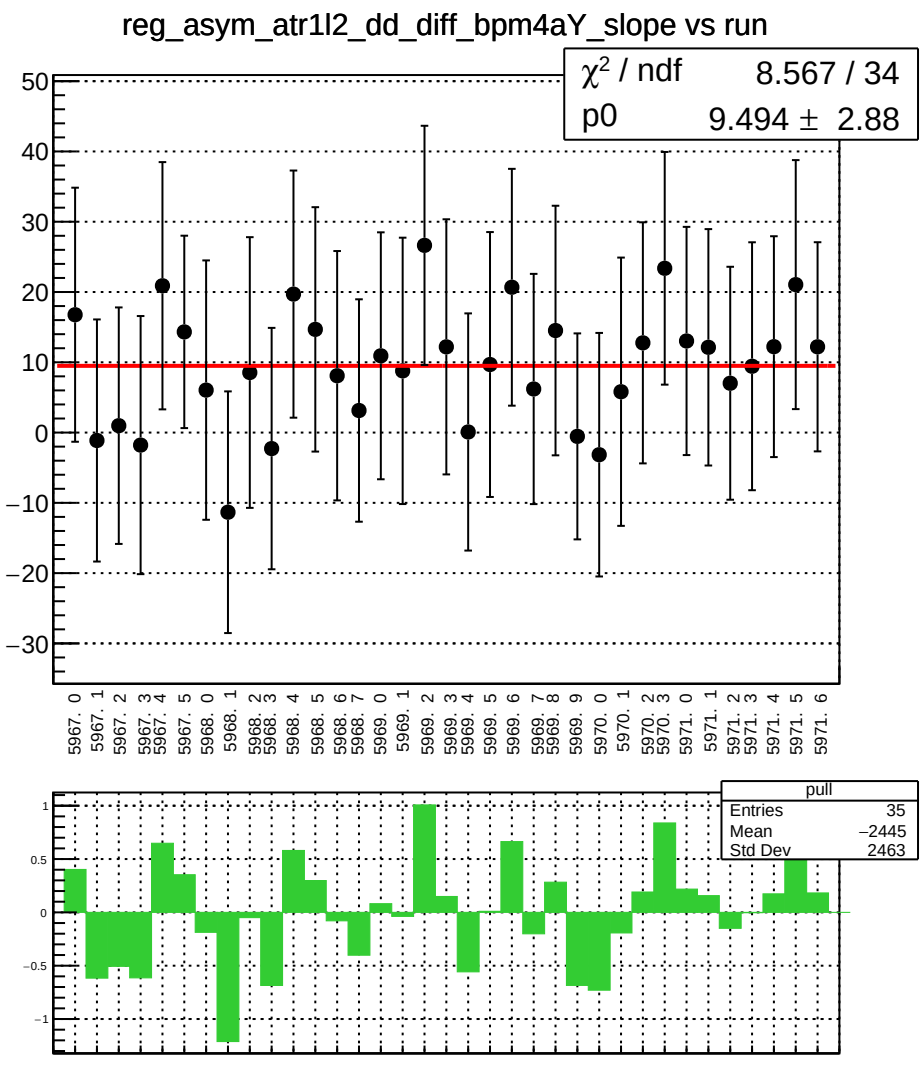

pull1D
Entries 35
Mean −0.004223
Std Dev 0.5715
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

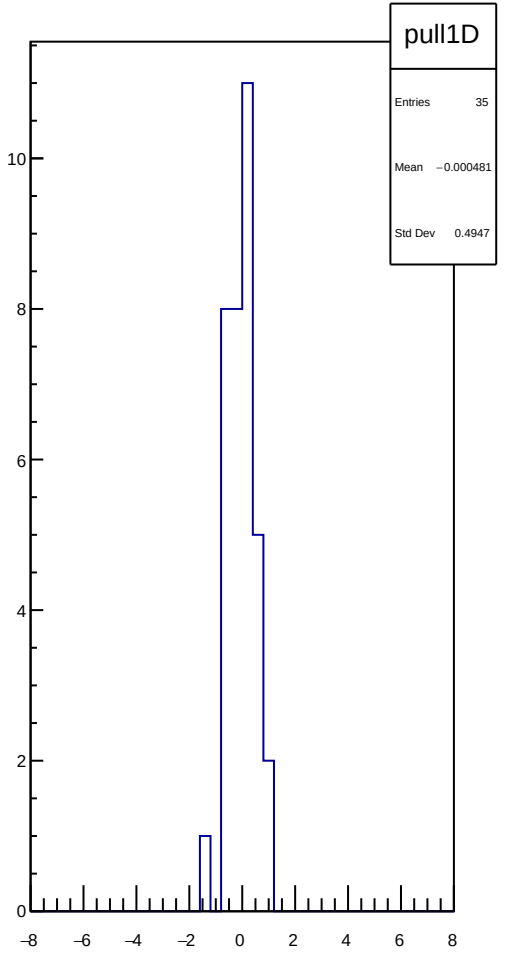

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 33.22 / 34
p0 −109.3 ± 0.3344
−104
−106
−108
−110
−112
−114
−116
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 128
Std Dev 112.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

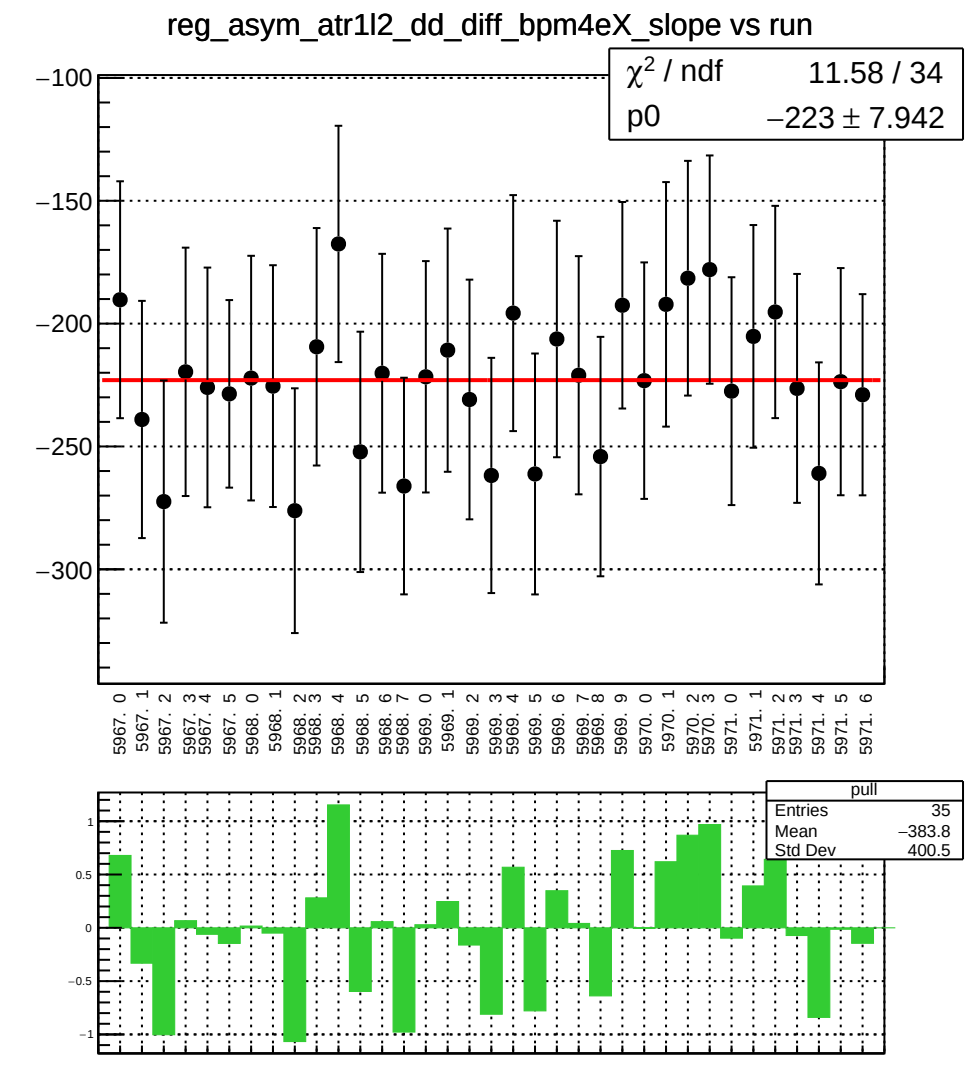

pull1D
Entries 35
Mean −0.01379
Std Dev 0.9741
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

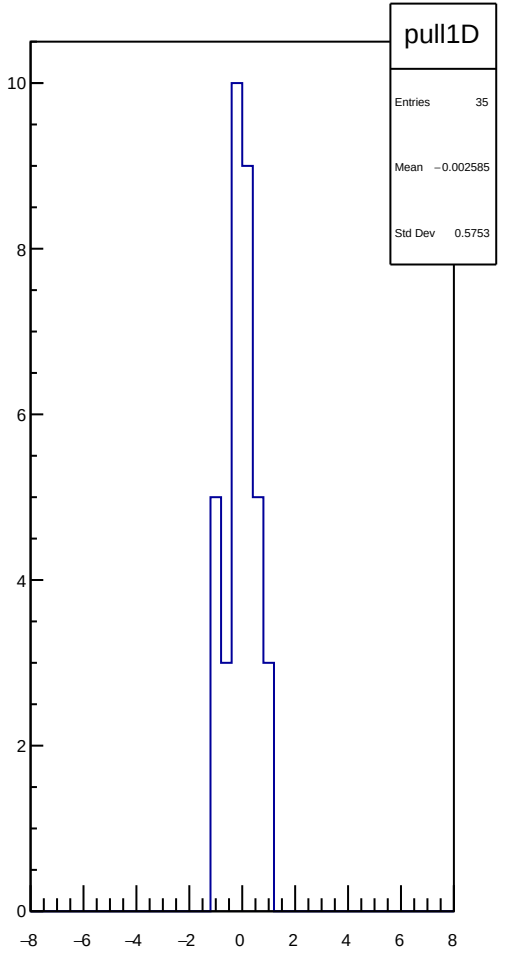

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.66 / 34
p0 202 ± 7.464
300
250
200
150
100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −333.8
Std Dev 351.4
1
0.5
0
−0.5
−1

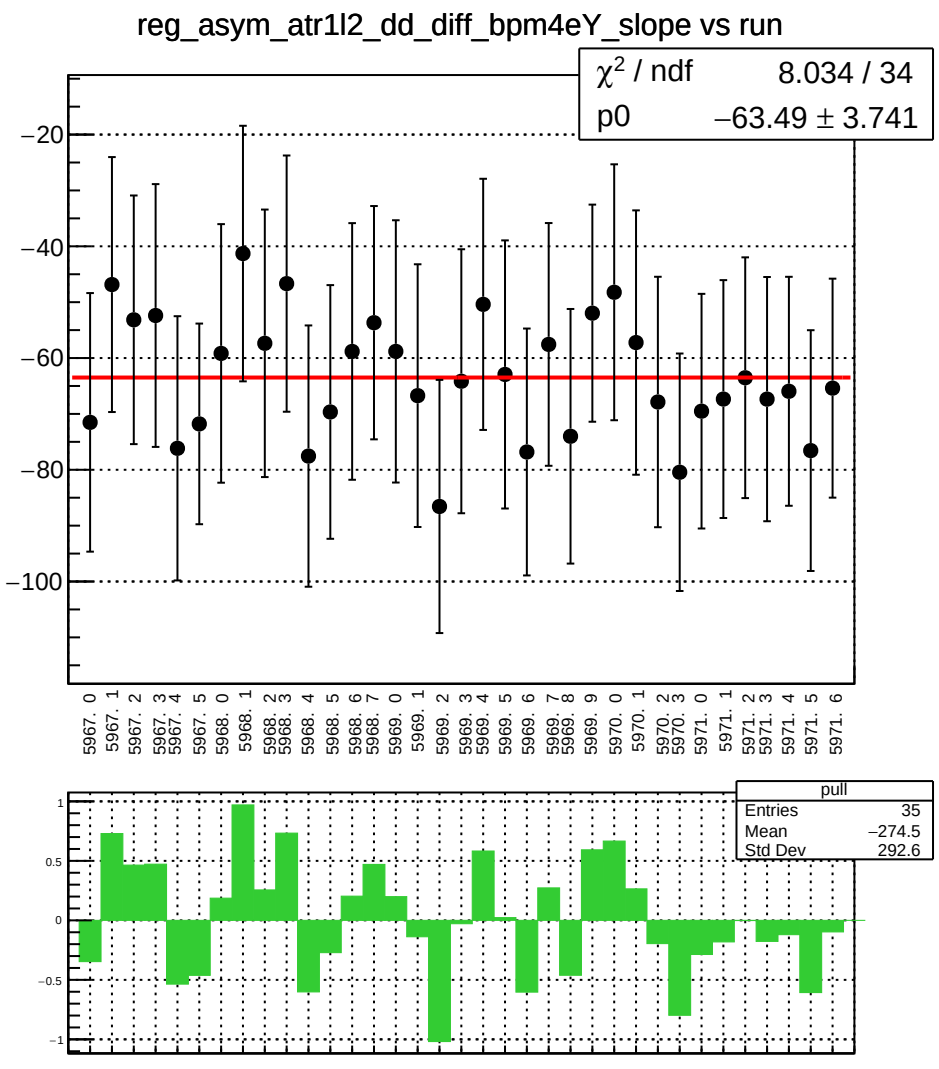

pull1D
Entries 35
Mean 0.003717
Std Dev 0.5772
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

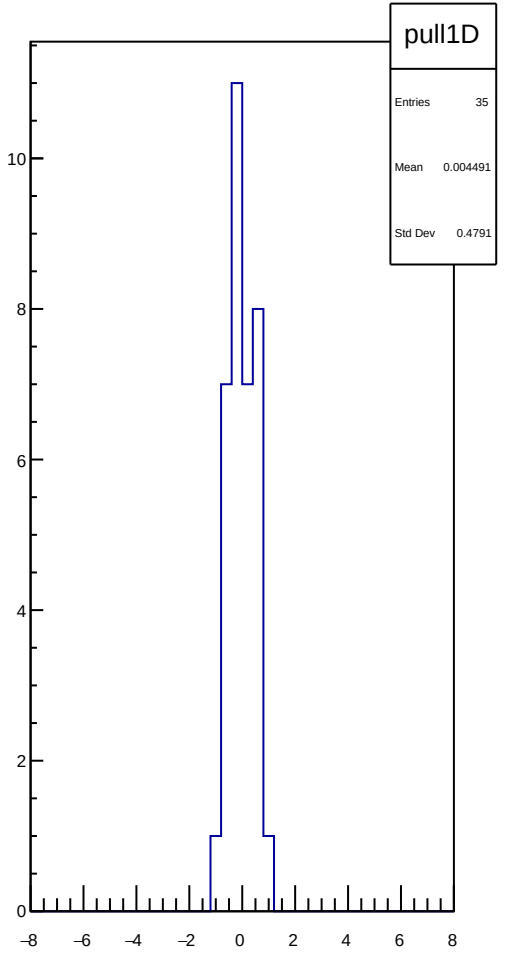

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.567 / 34
p0 9.494 ± 2.88
pull
Entries 35
Mean −2445
Std Dev 2463

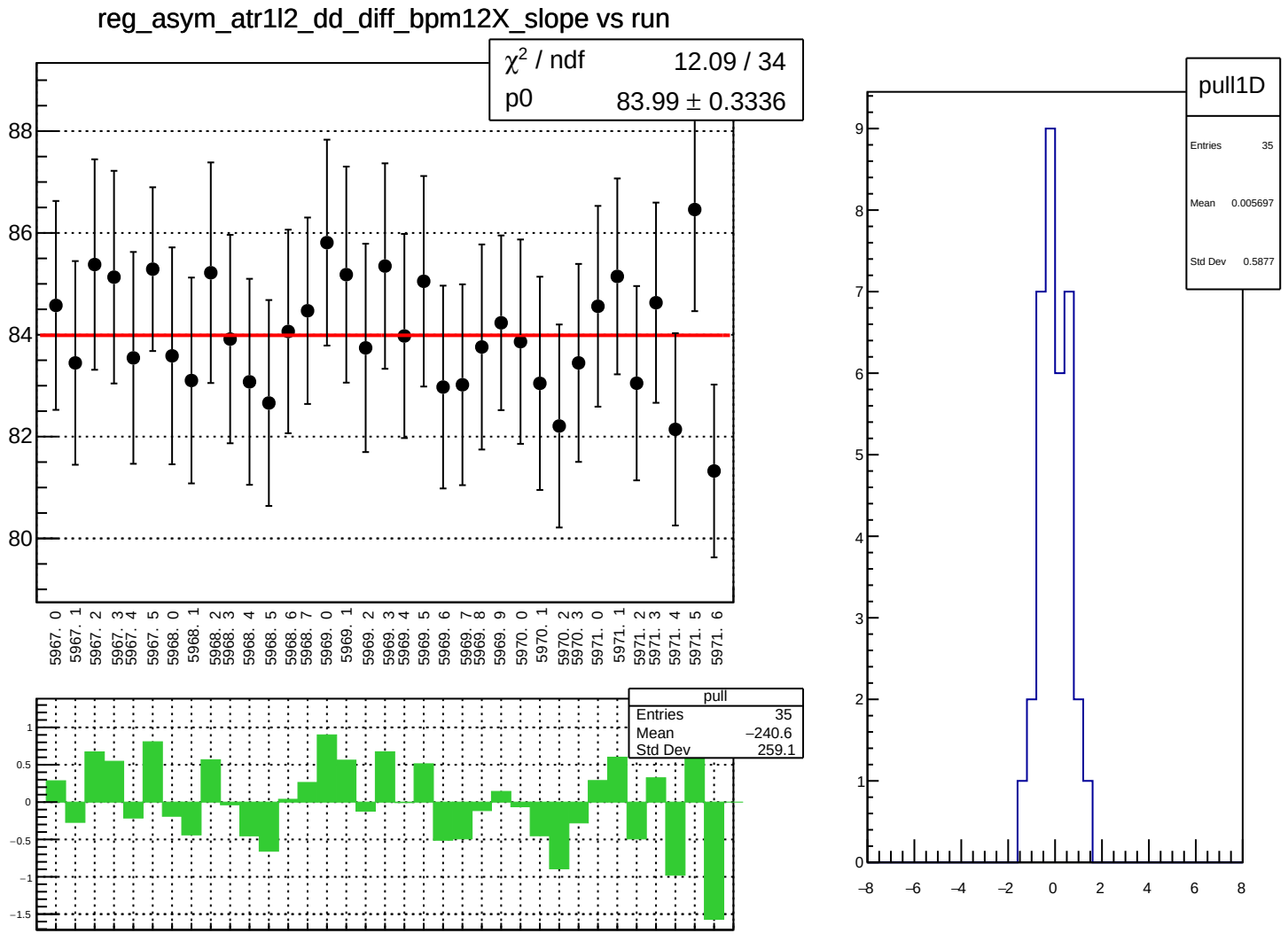

pull1D
Entries 35
Mean −0.000481
Std Dev 0.4947

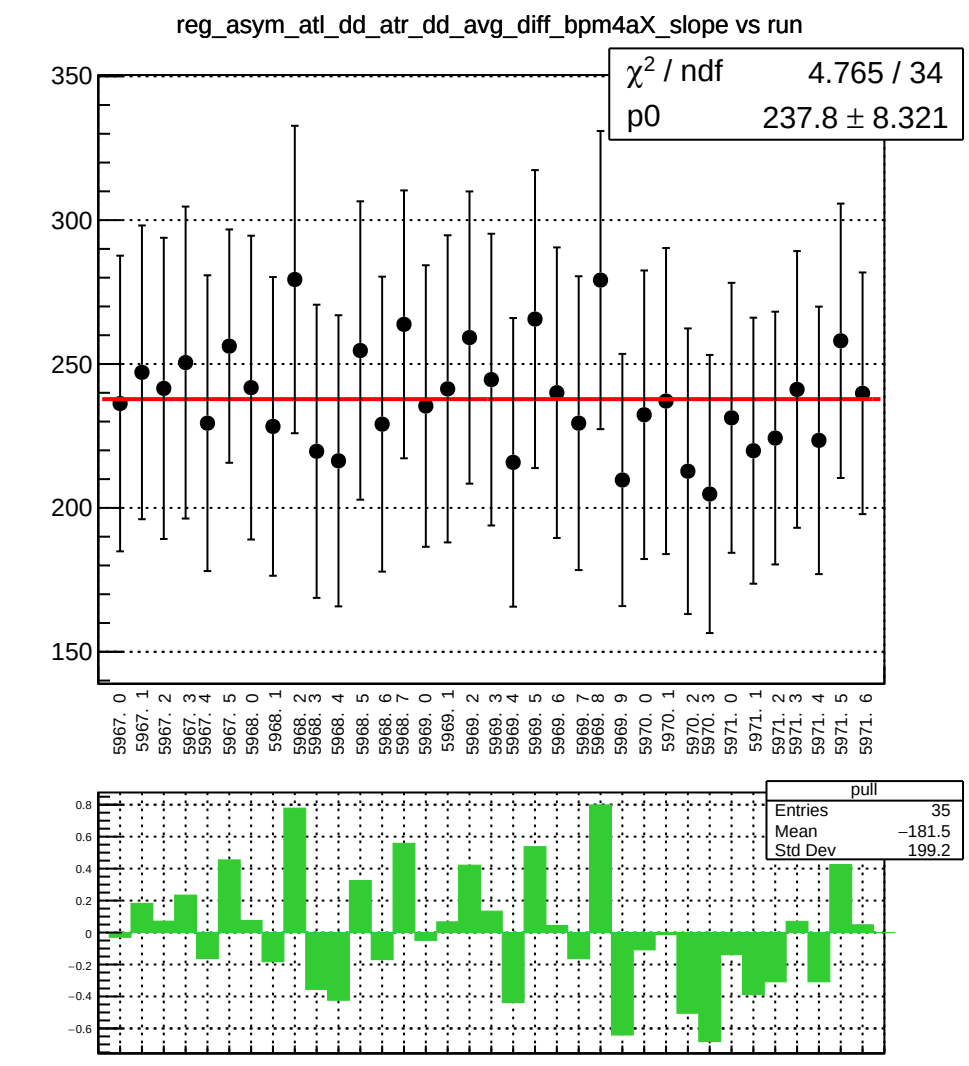

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.58 / 34
p0 −223 ± 7.942
−100
−150
−200
−250
−300
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −383.8
Std Dev 400.5
1
0.5
0
−0.5
−1

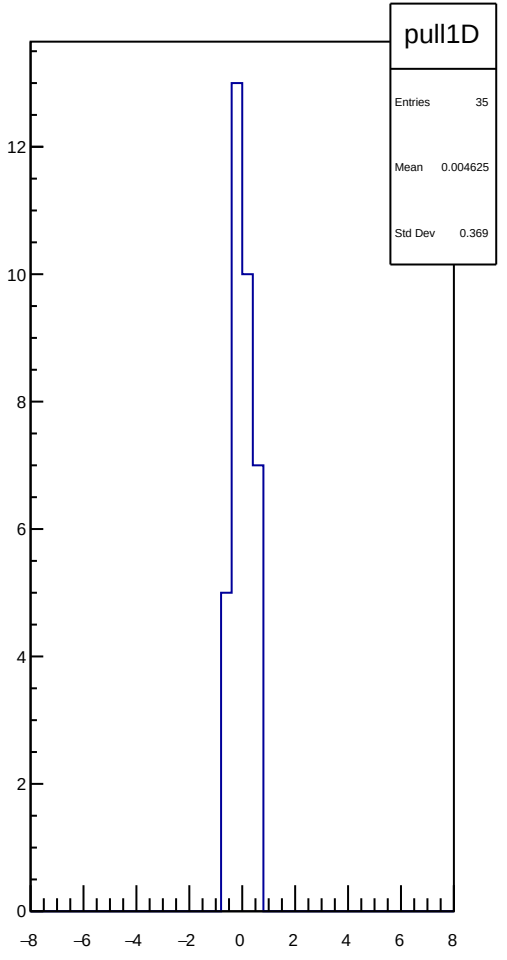

pull1D
Entries 35
Mean −0.002585
Std Dev 0.5753
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

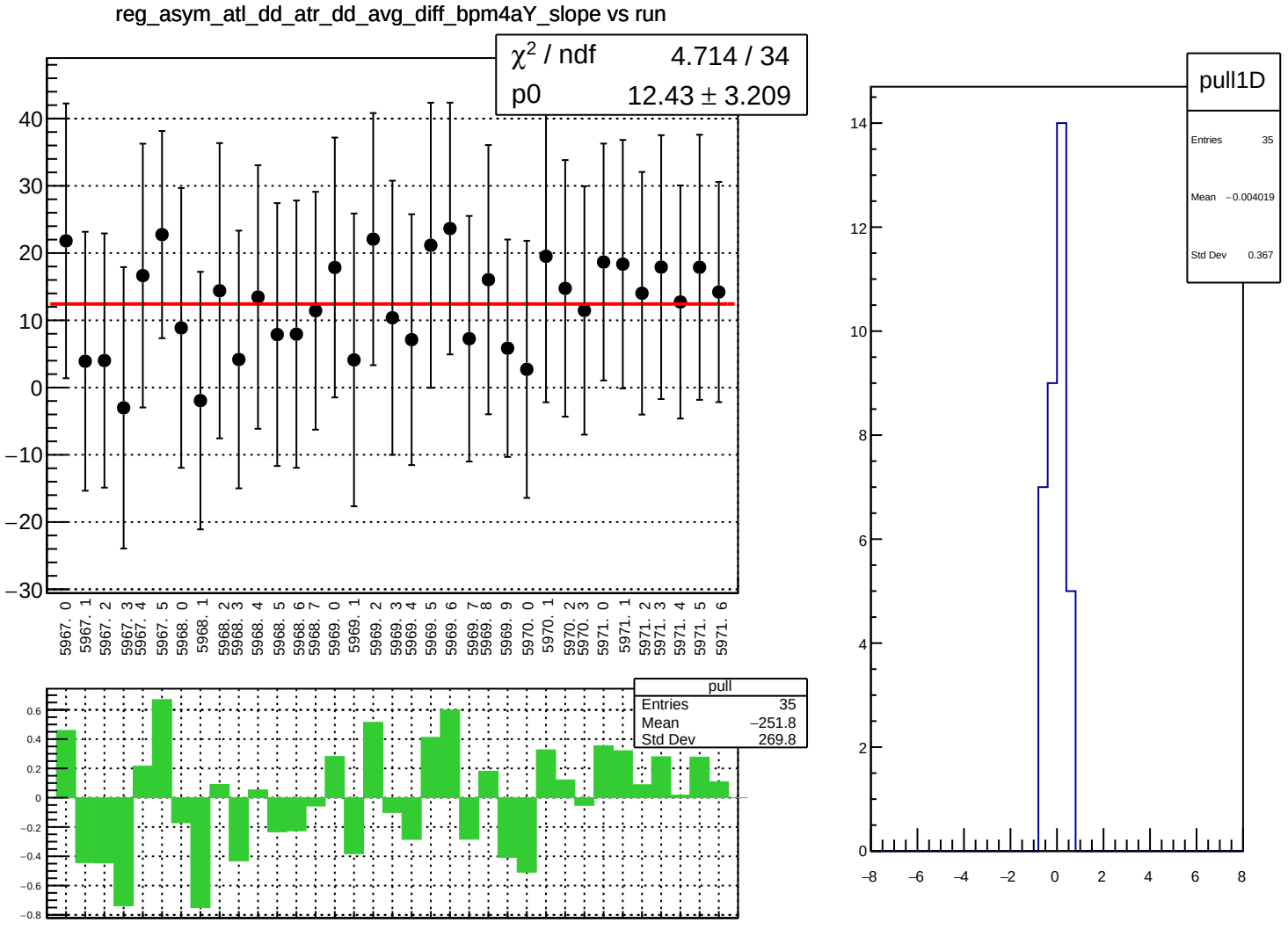

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.034 / 34
p0 −63.49 ± 3.741
−20
−40
−60
−80
−100
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −274.5
Std Dev 292.6
1
0.5
0
−0.5
−1

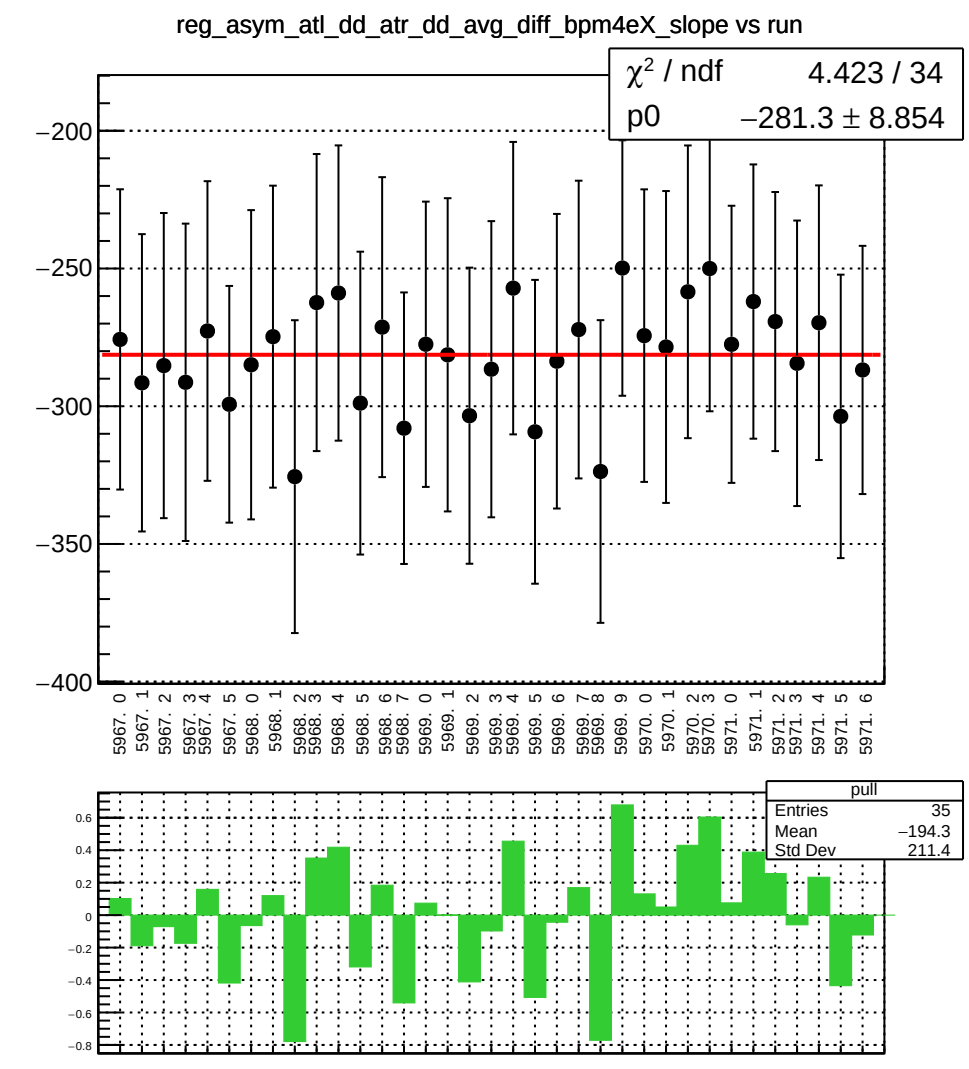

pull1D
Entries 35
Mean 0.004491
Std Dev 0.4791
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

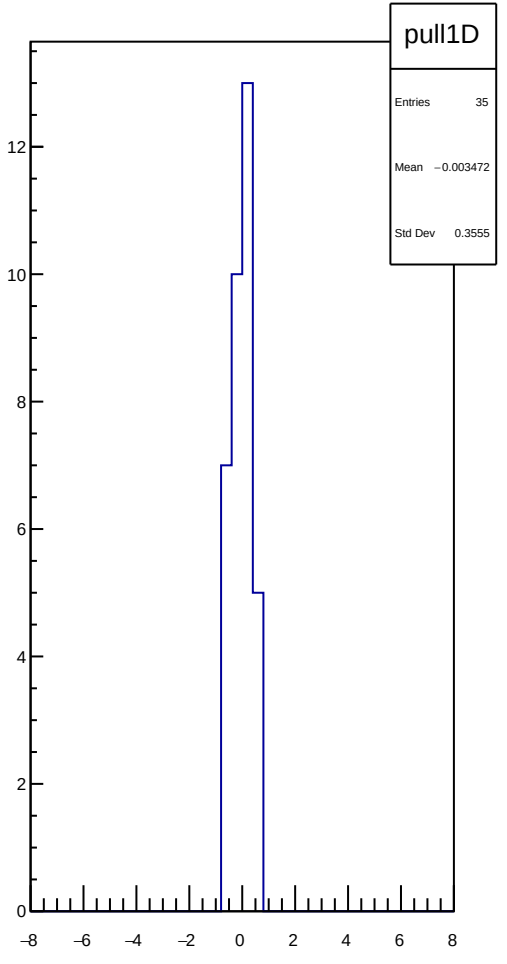

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 12.09 / 34
p0 83.99 ± 0.3336
88
86
84
82
80
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −240.6
Std Dev 259.1
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.005697
Std Dev 0.5877
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

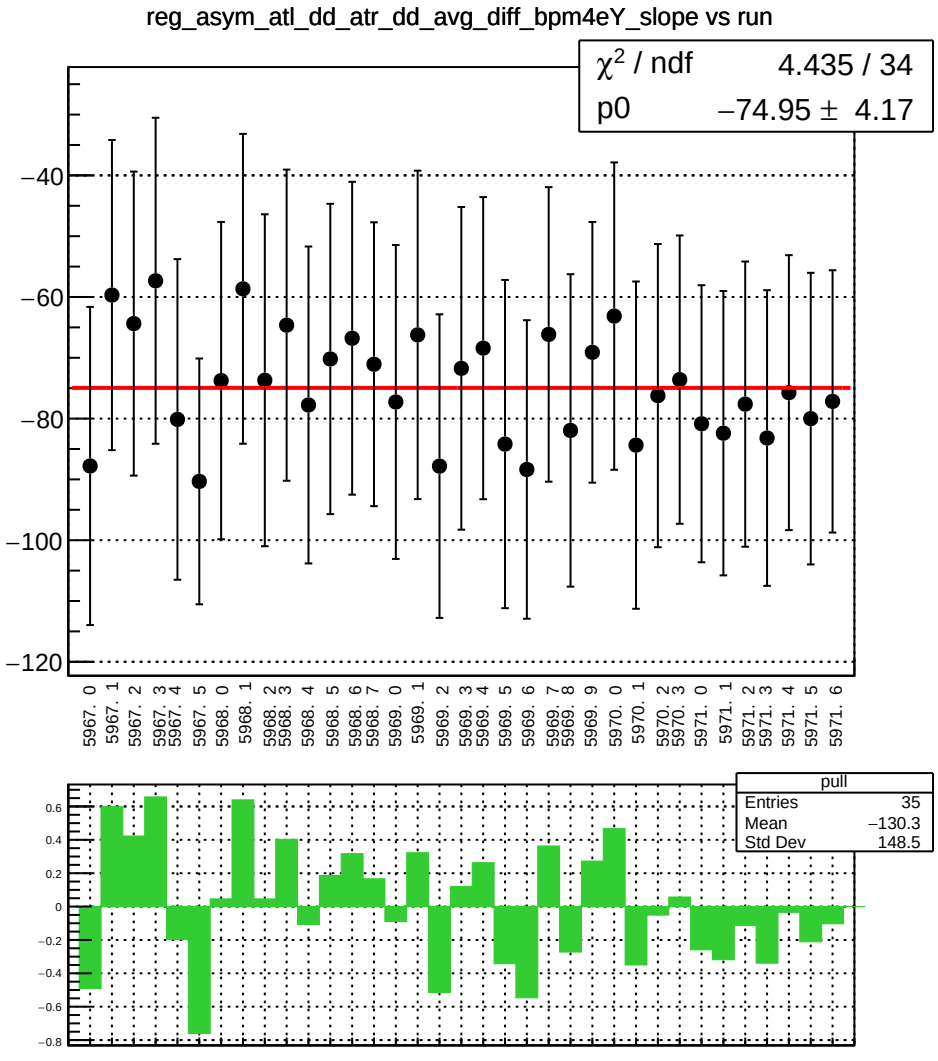

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.765 / 34
p0 237.8 ± 8.321
350
300
250
200
150
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −181.5
Std Dev 199.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

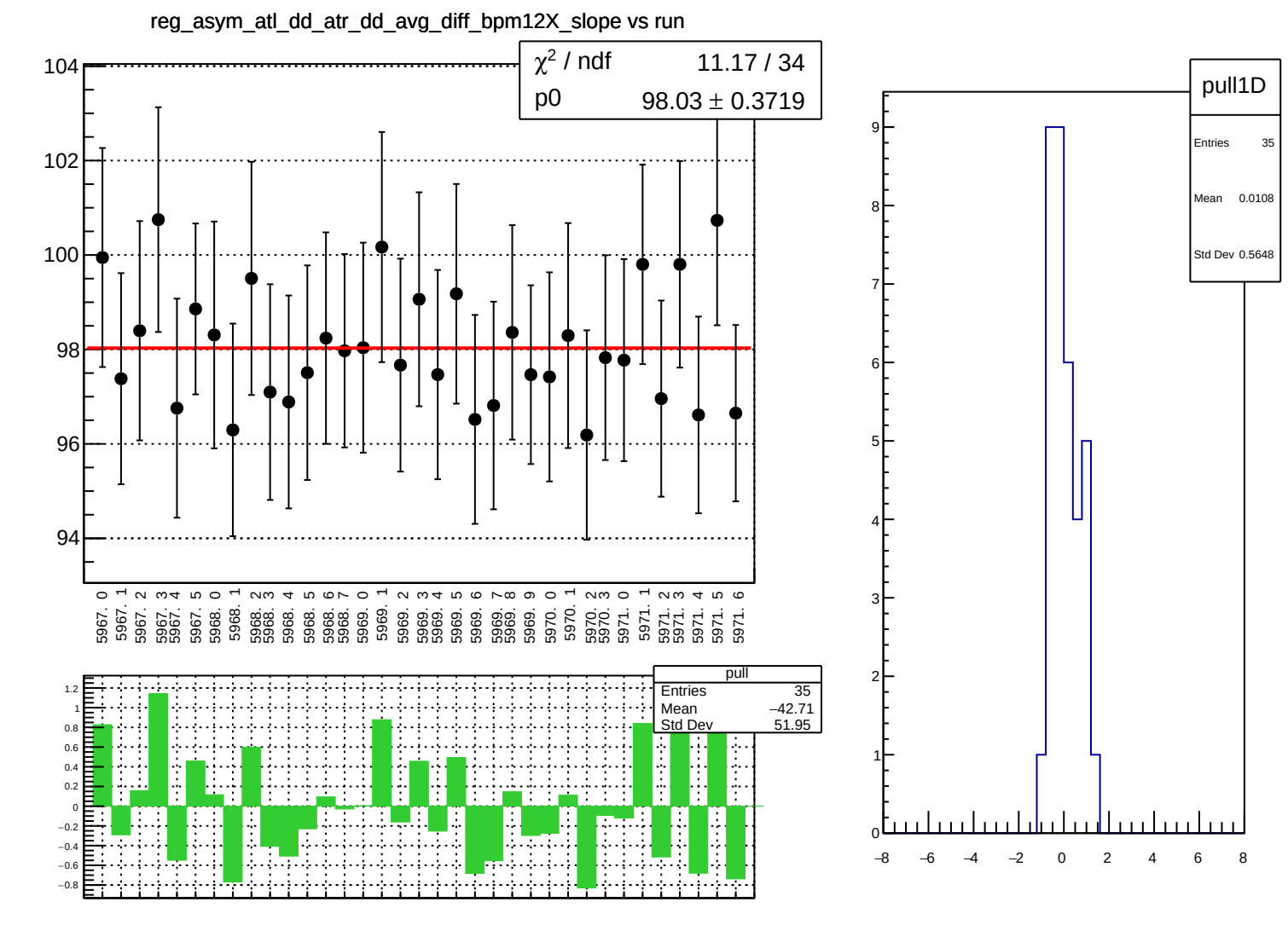

pull1D
Entries 35
Mean 0.004625
Std Dev 0.369
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

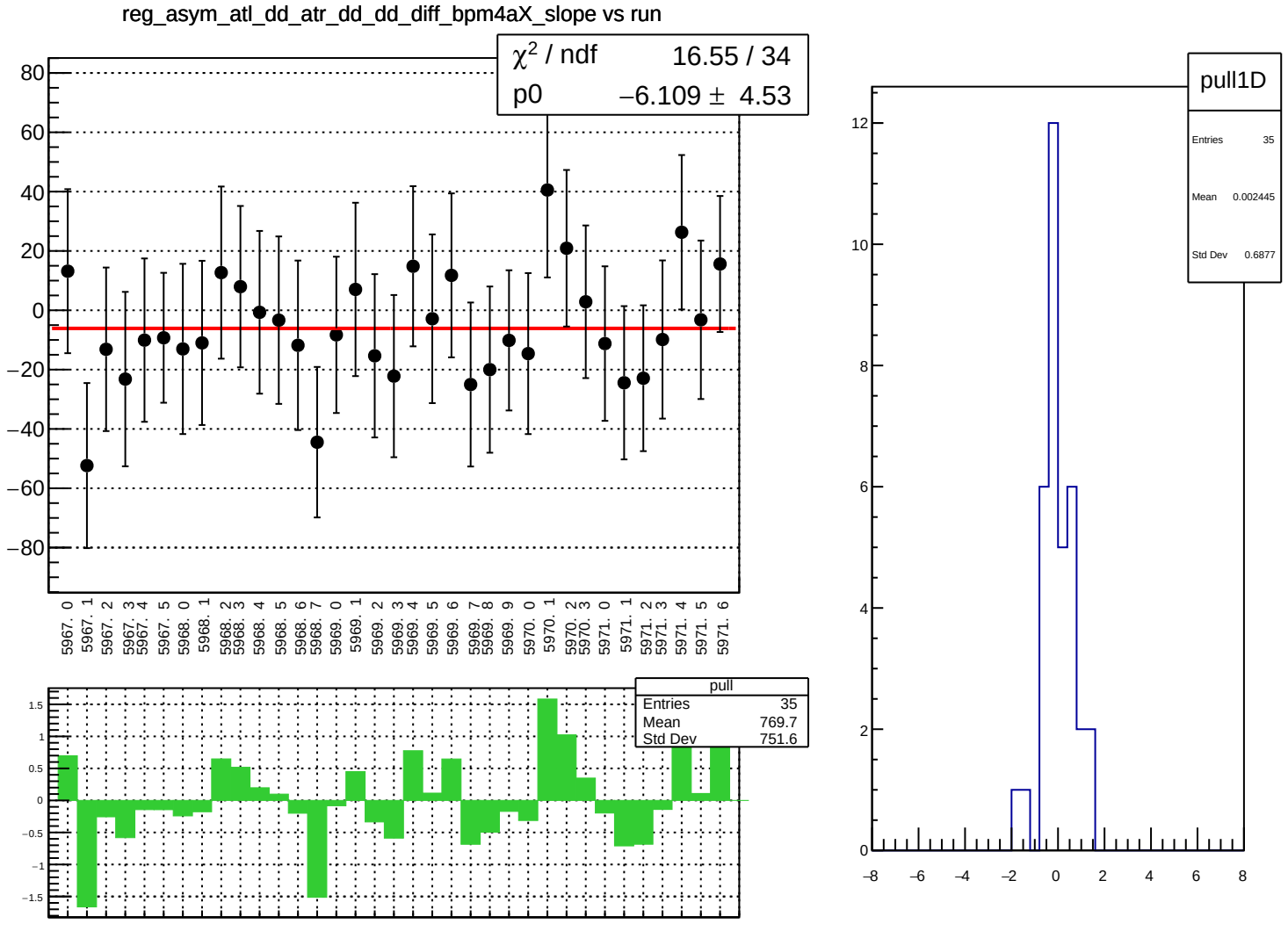

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.714 / 34
p0 12.43 ± 3.209
pull
Entries 35
Mean −251.8
Std Dev 269.8
pull1D
Entries 35
Mean −0.004019
Std Dev 0.367

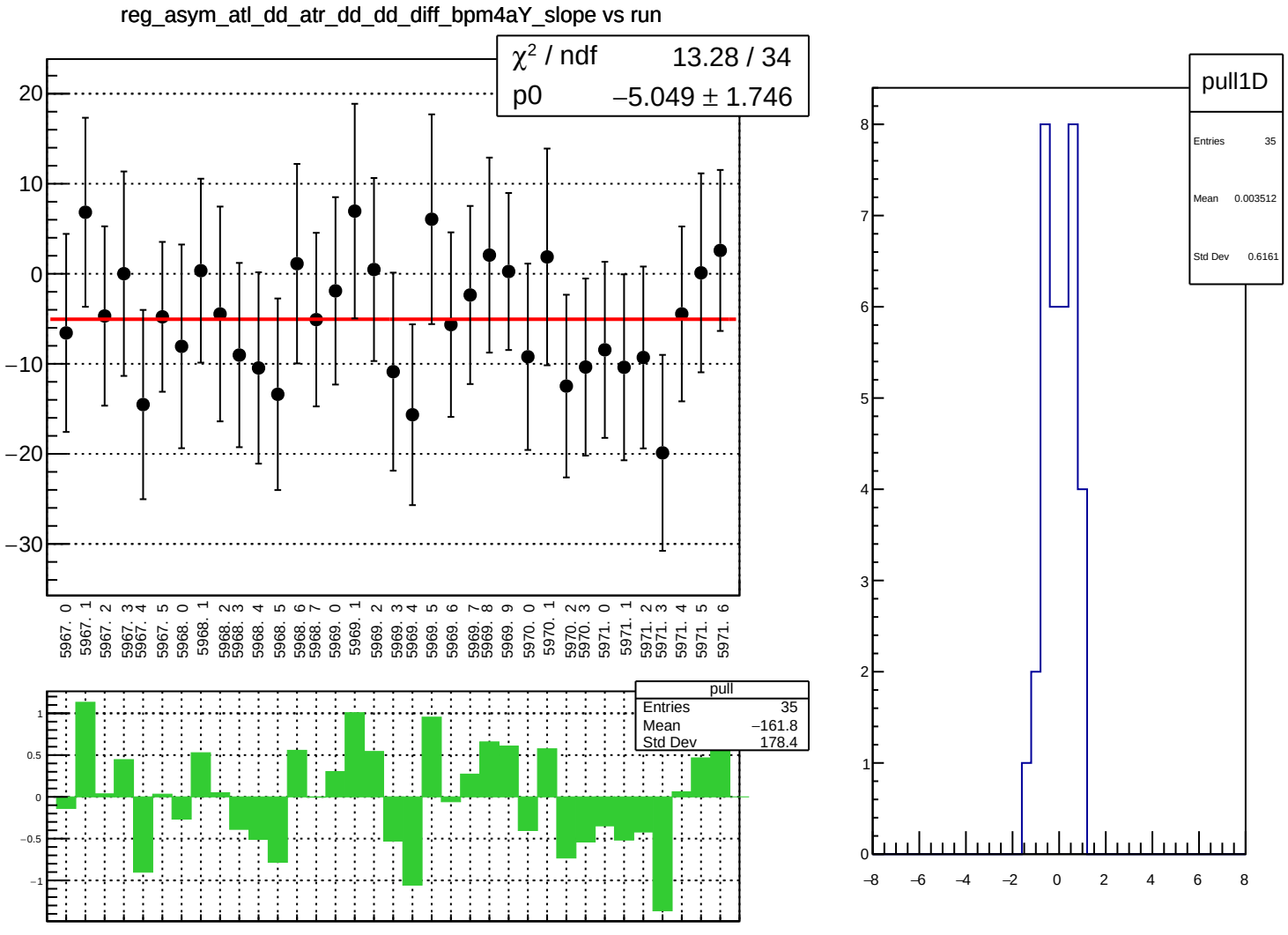

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.423 / 34
p0 −281.3 ± 8.854
−200
−250
−300
−350
−400
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −194.3
Std Dev 211.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

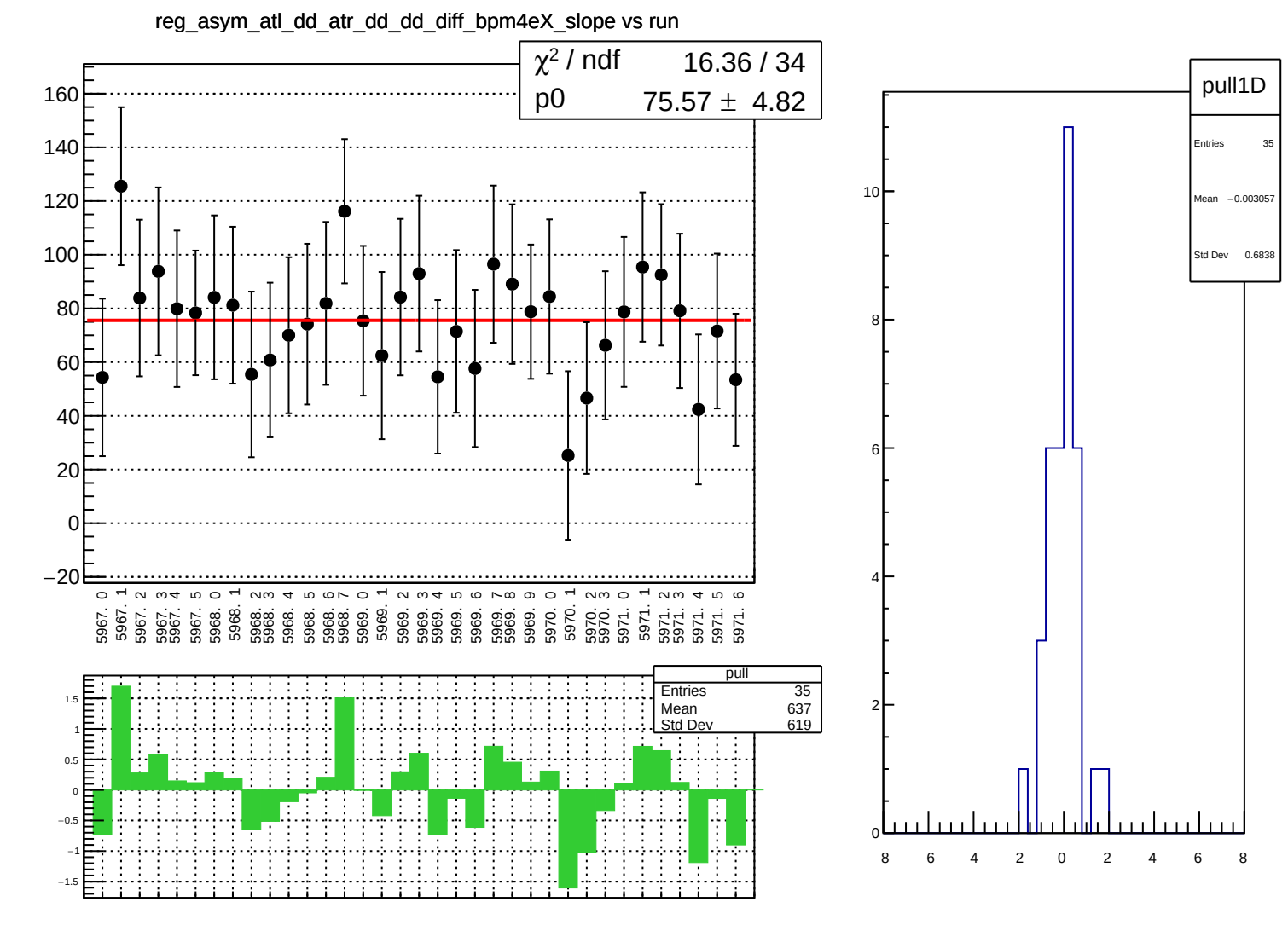

pull1D
Entries 35
Mean −0.003472
Std Dev 0.3555
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

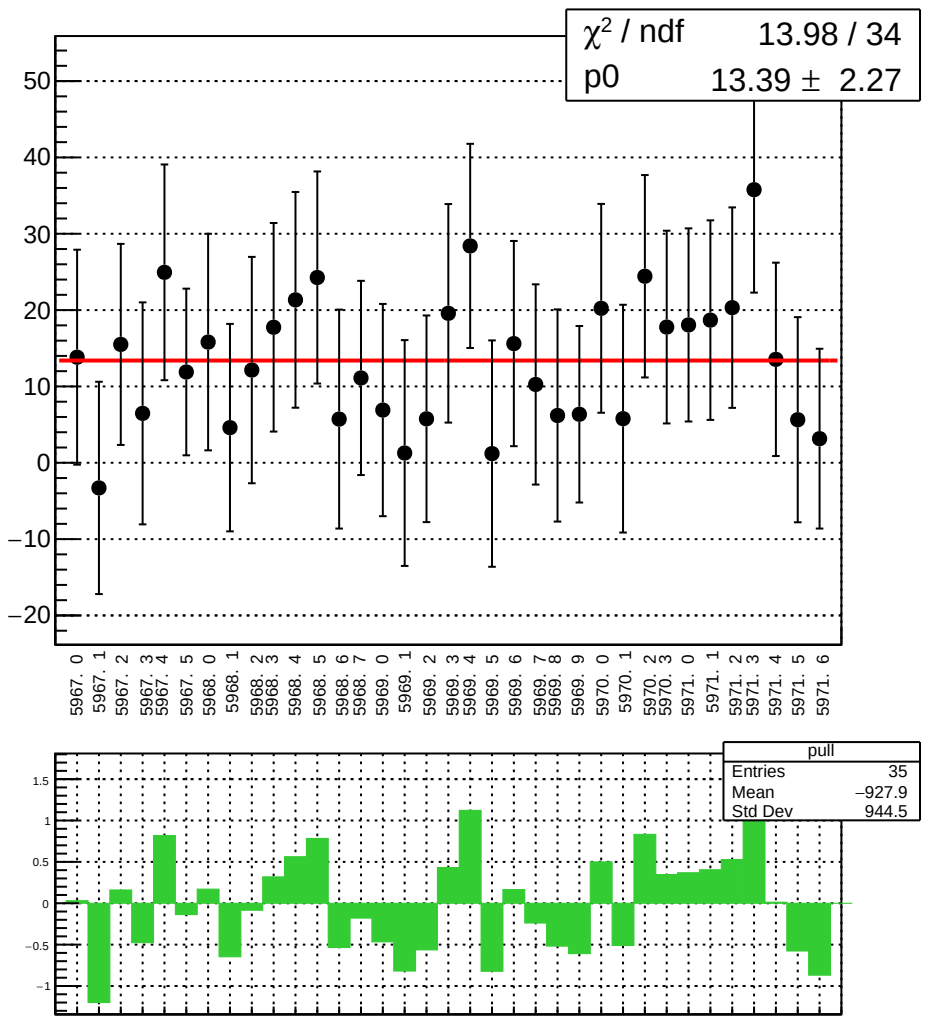

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.435 / 34
p0 −74.95 ± 4.17
−40
−60
−80
−100
−120
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −130.3
Std Dev 148.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 0.007034
Std Dev 0.3559
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

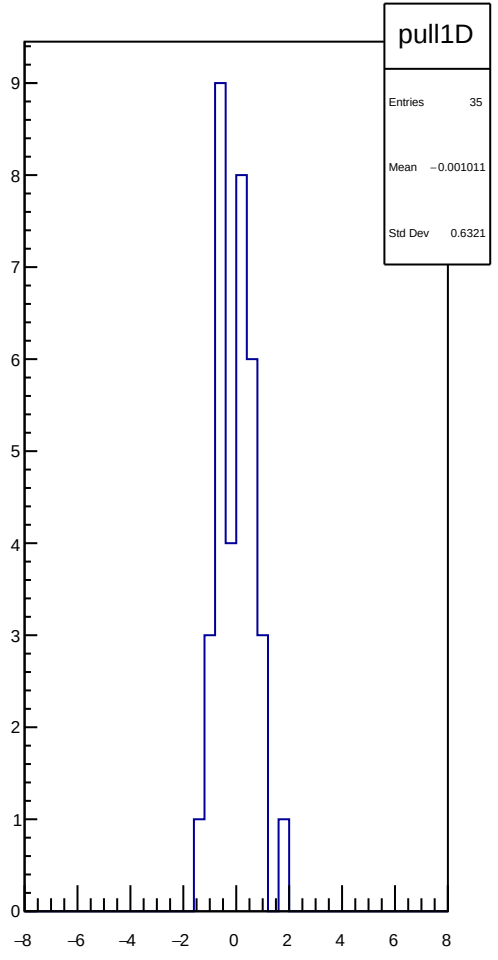

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 11.17 / 34
p0 98.03 ± 0.3719
104
102
100
98
96
94
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −42.71
Std Dev 51.95
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 0.0108
Std Dev 0.5648
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

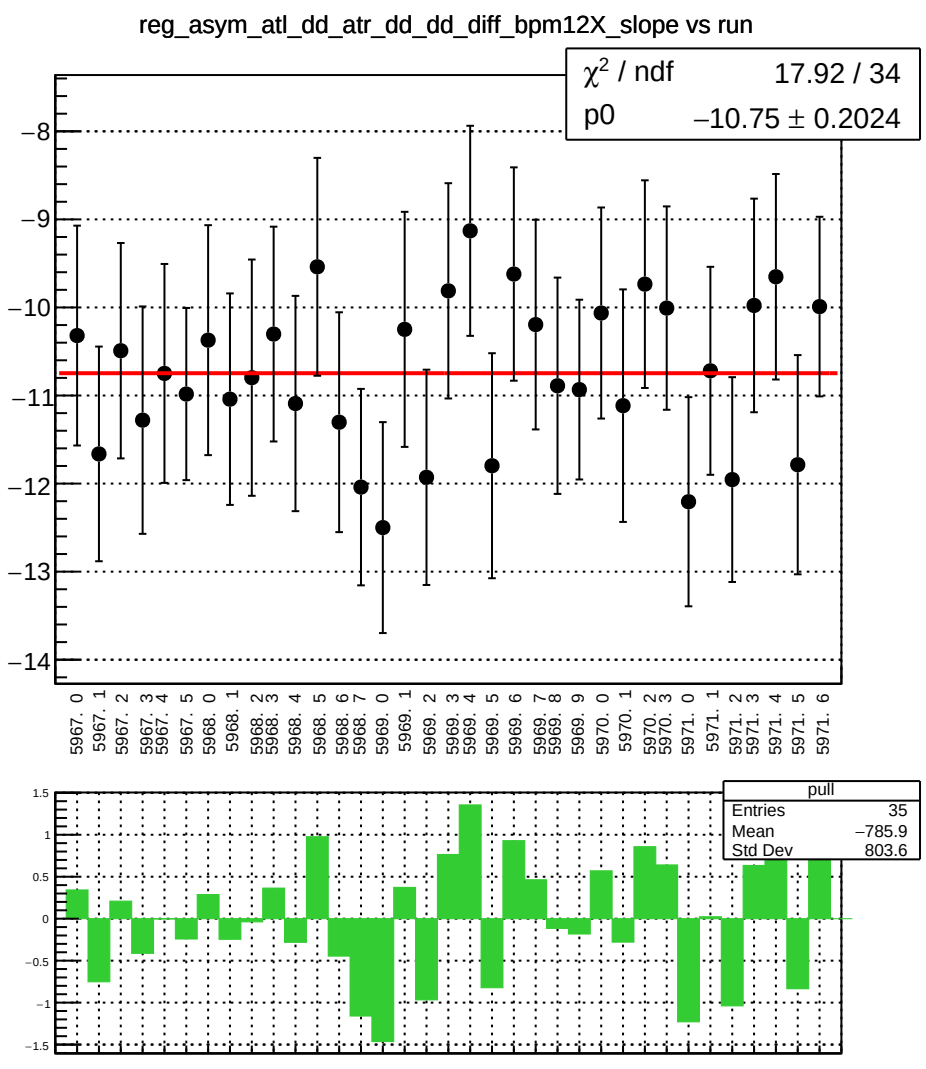

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 16.55 / 34
p0 −6.109 ± 4.53
80
60
40
20
0
−20
−40
−60
−80
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 769.7
Std Dev 751.6
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.002445
Std Dev 0.6877
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

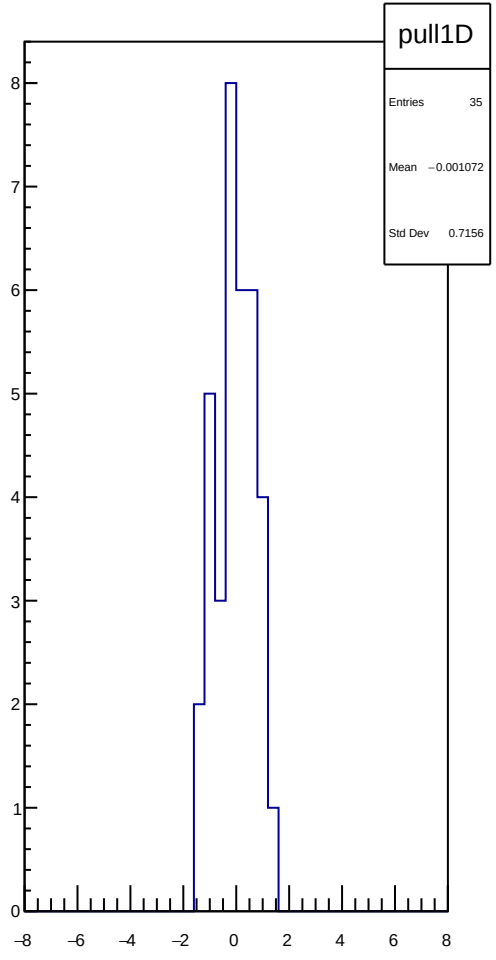

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.28 / 34
p0 −5.049 ± 1.746
pull
Entries 35
Mean −161.8
Std Dev 178.4
pull1D
Entries 35
Mean 0.003512
Std Dev 0.6161

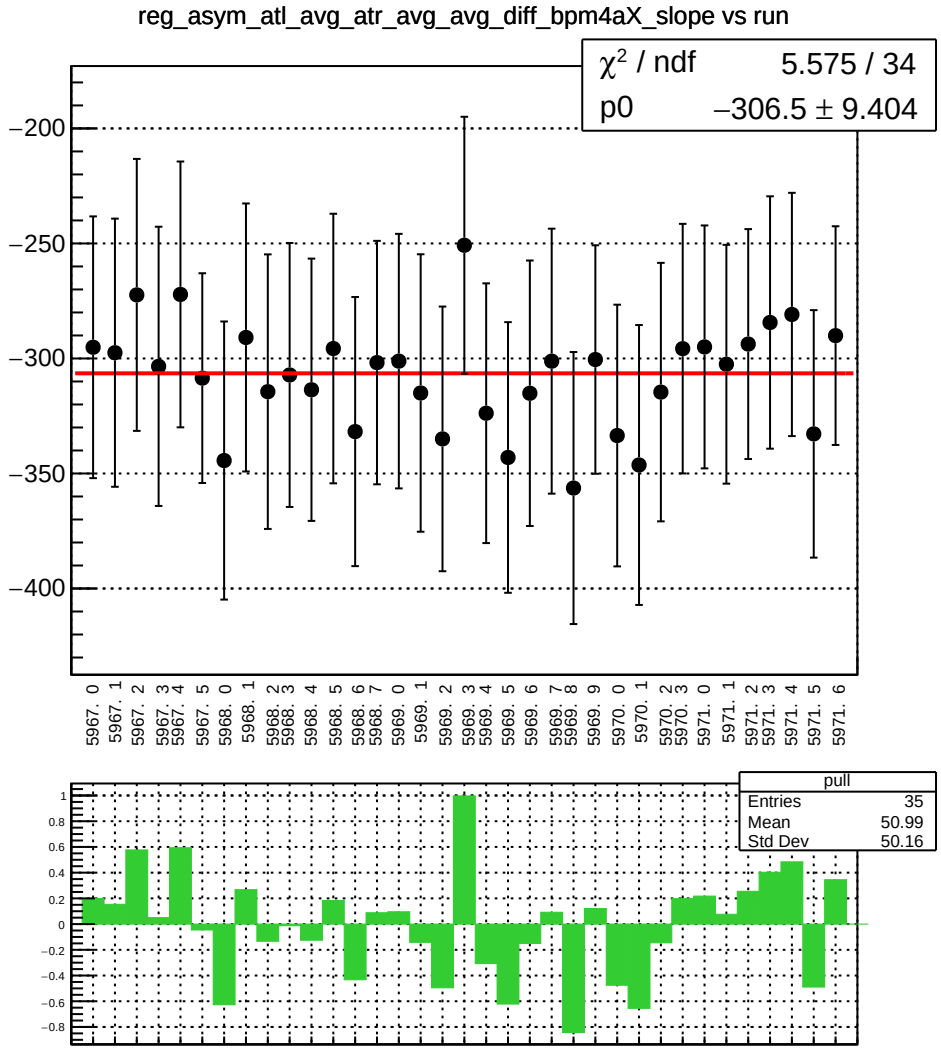

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.36 / 34
p0 75.57 ± 4.82
160
140
120
100
80
60
40
20
0
−20
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 637
Std Dev 619
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.003057
Std Dev 0.6838
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

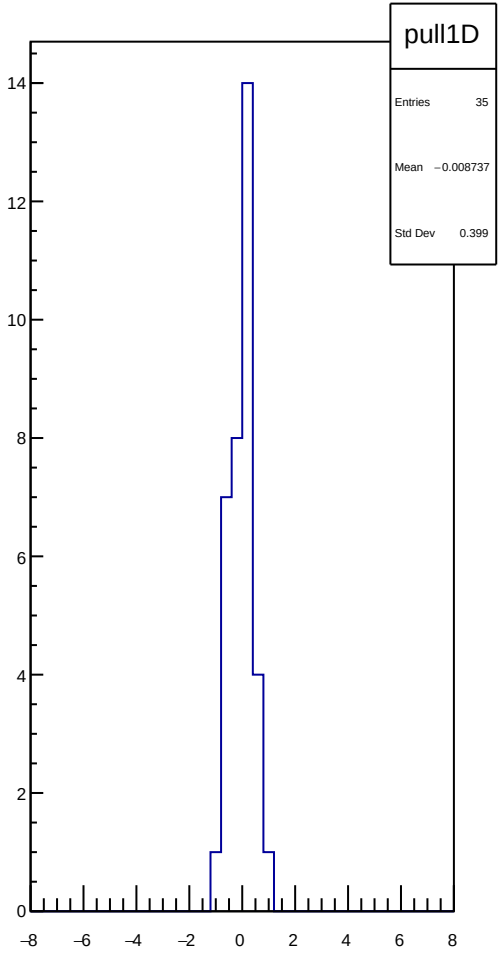

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.98 / 34
p0 13.39 ± 2.27
pull
Entries 35
Mean −927.9
Std Dev 944.5

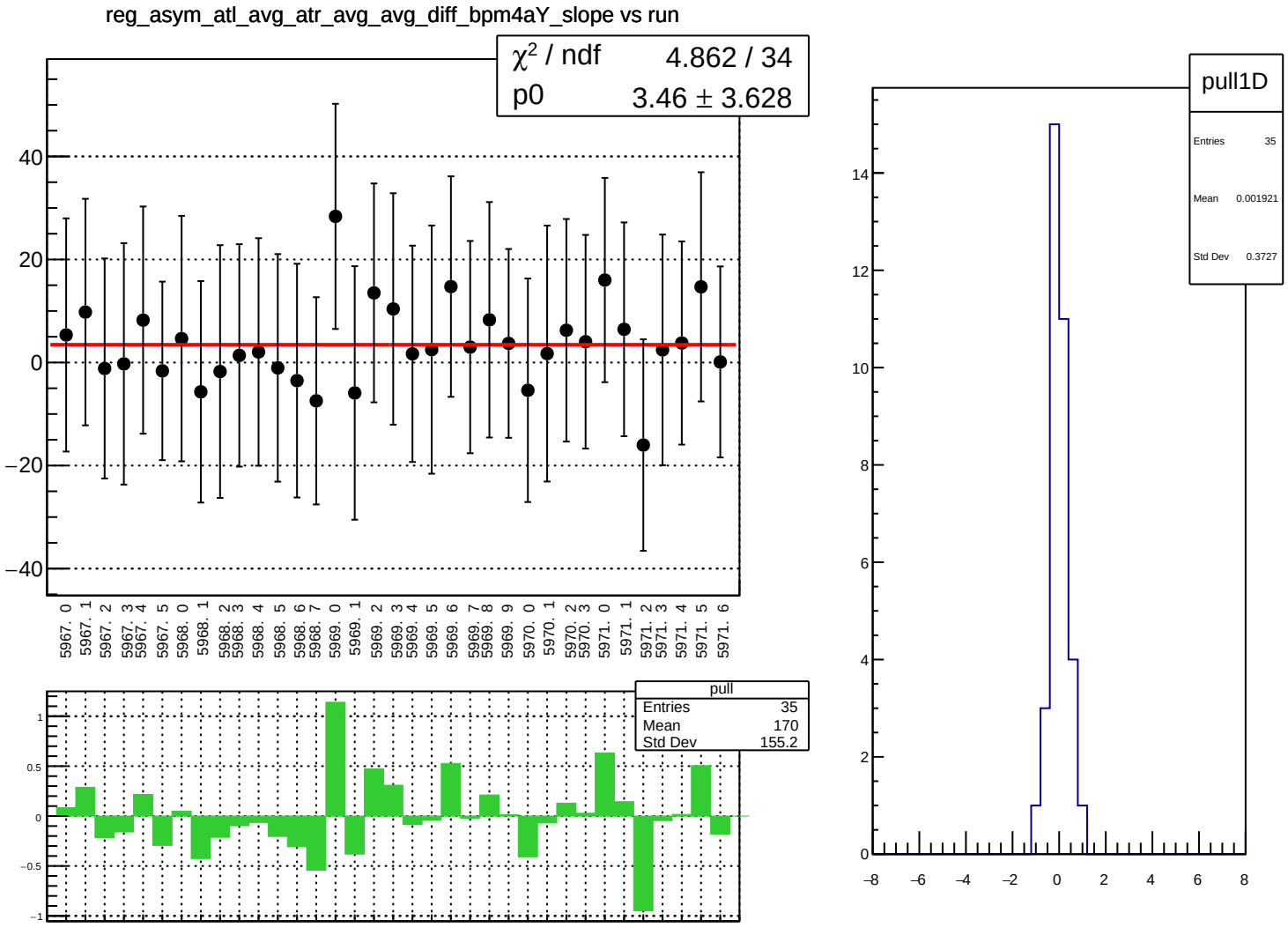

pull1D
Entries 35
Mean −0.001011
Std Dev 0.6321

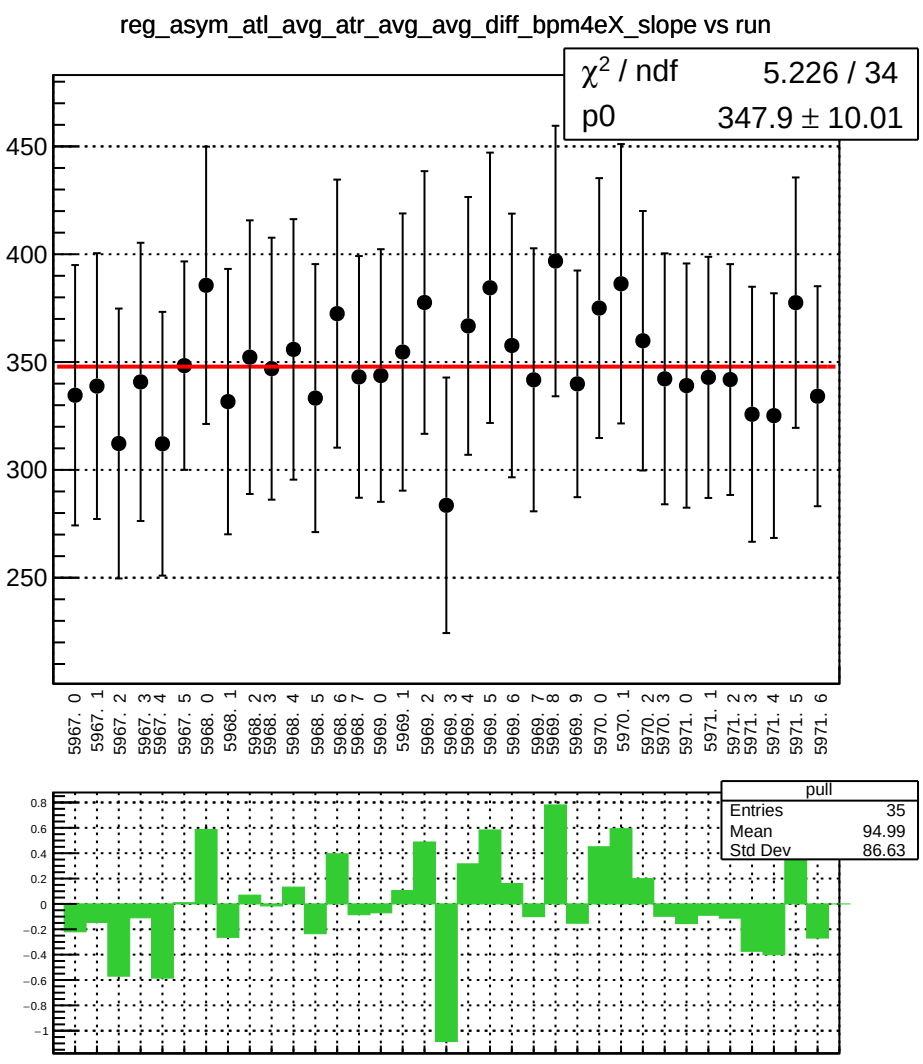

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 17.92 / 34
p0 −10.75 ± 0.2024
pull
Entries 35
Mean −785.9
Std Dev 803.6

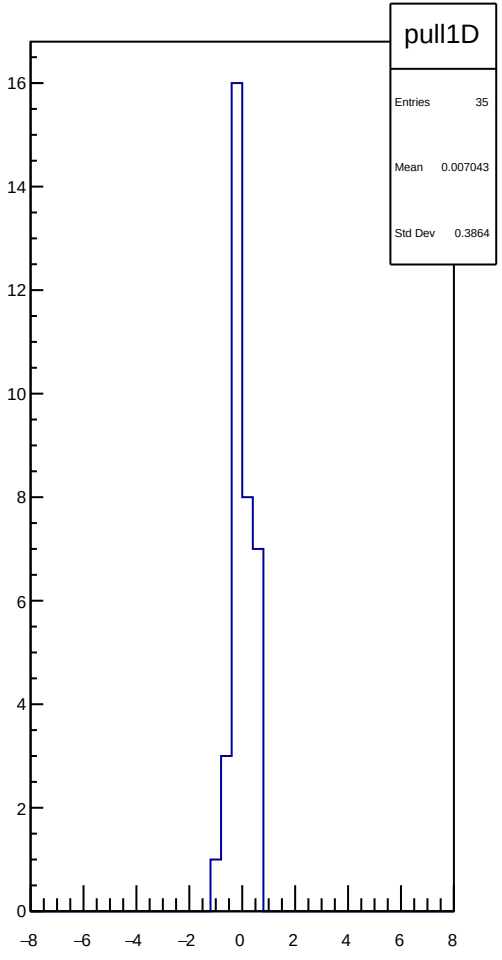

pull1D
Entries 35
Mean −0.001072
Std Dev 0.7156

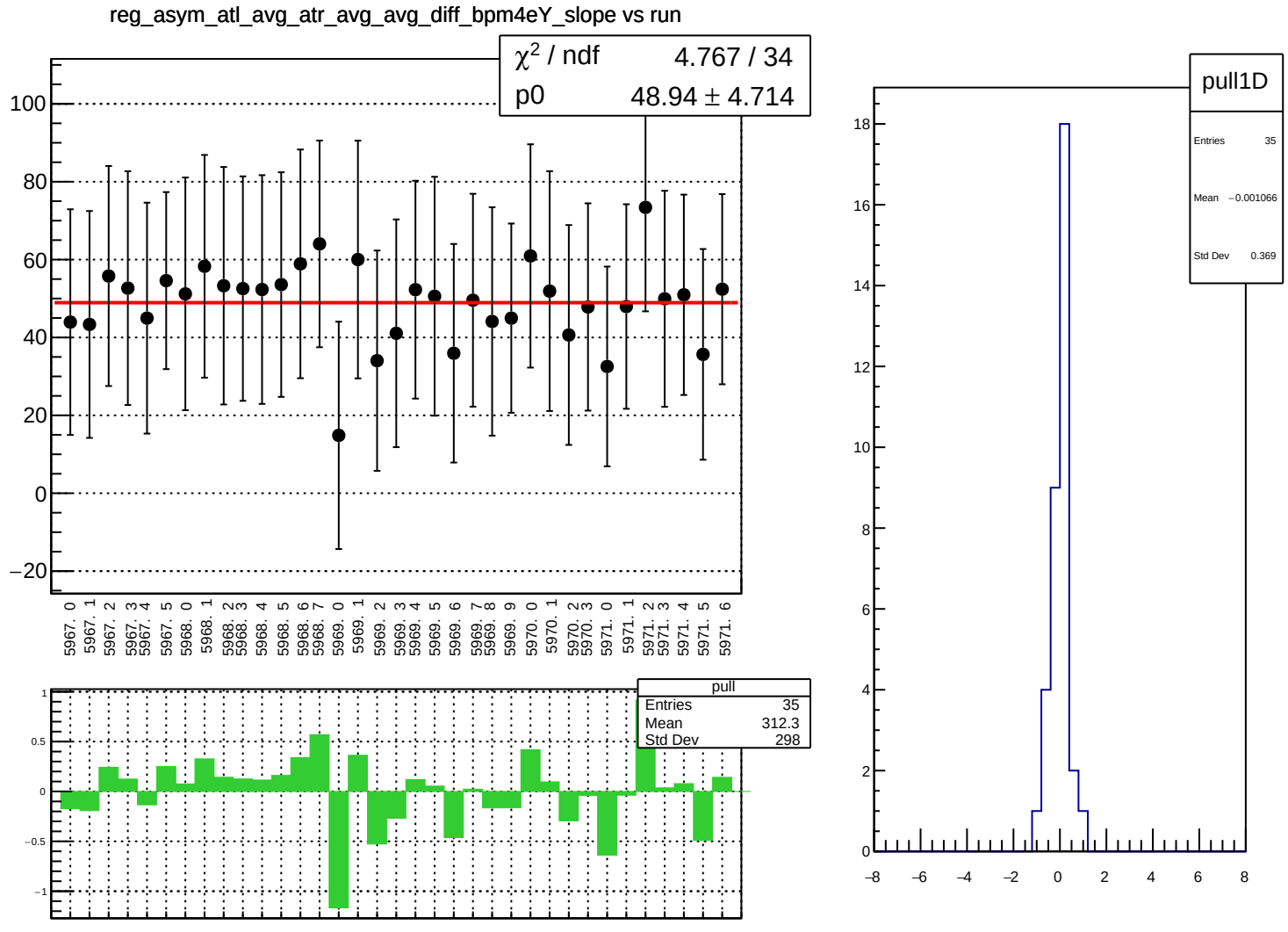

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.575 / 34
p0 −306.5 ± 9.404
−200
−250
−300
−350
−400
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 50.99
Std Dev 50.16
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

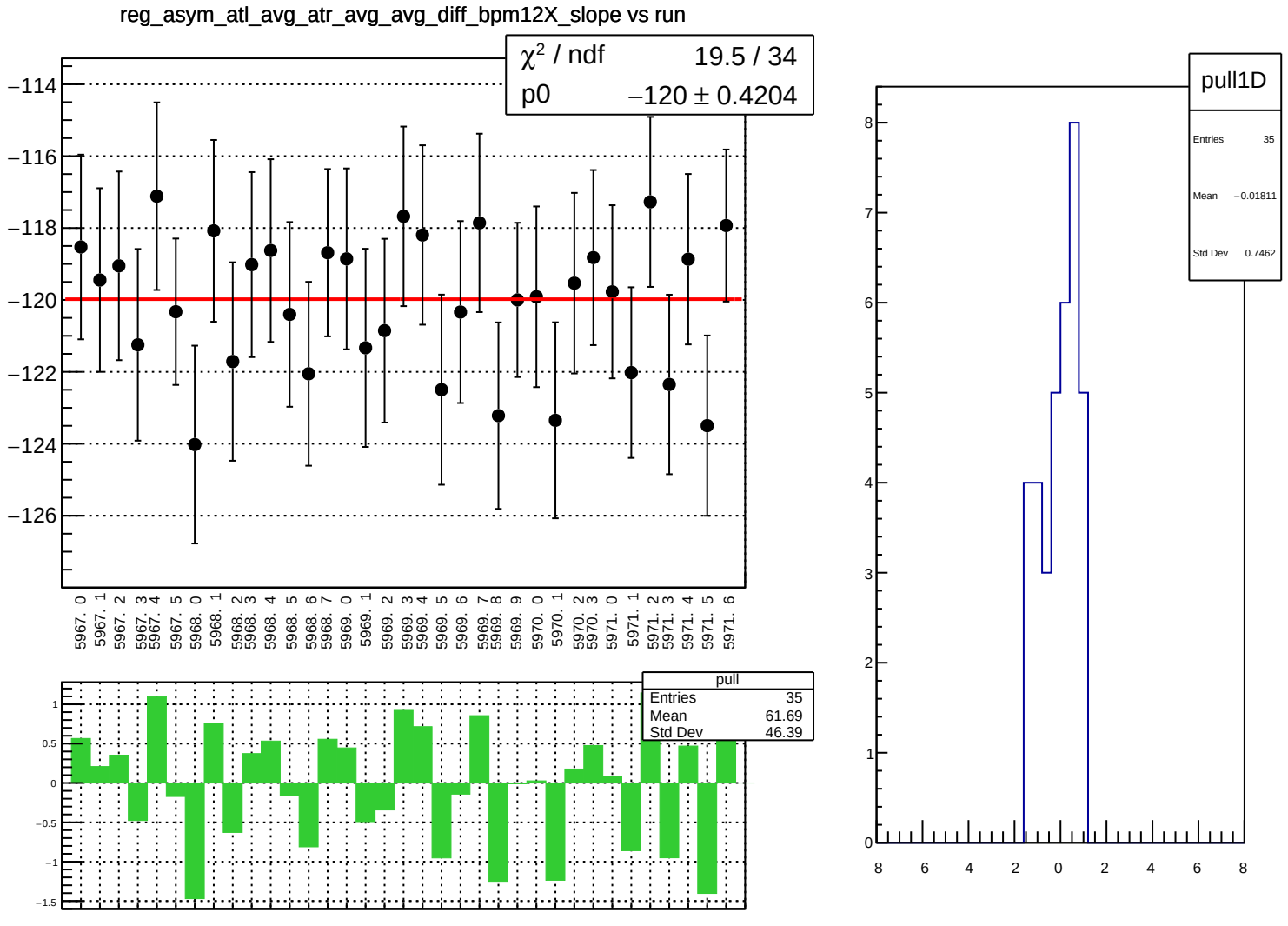

pull1D
Entries 35
Mean −0.008737
Std Dev 0.399
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

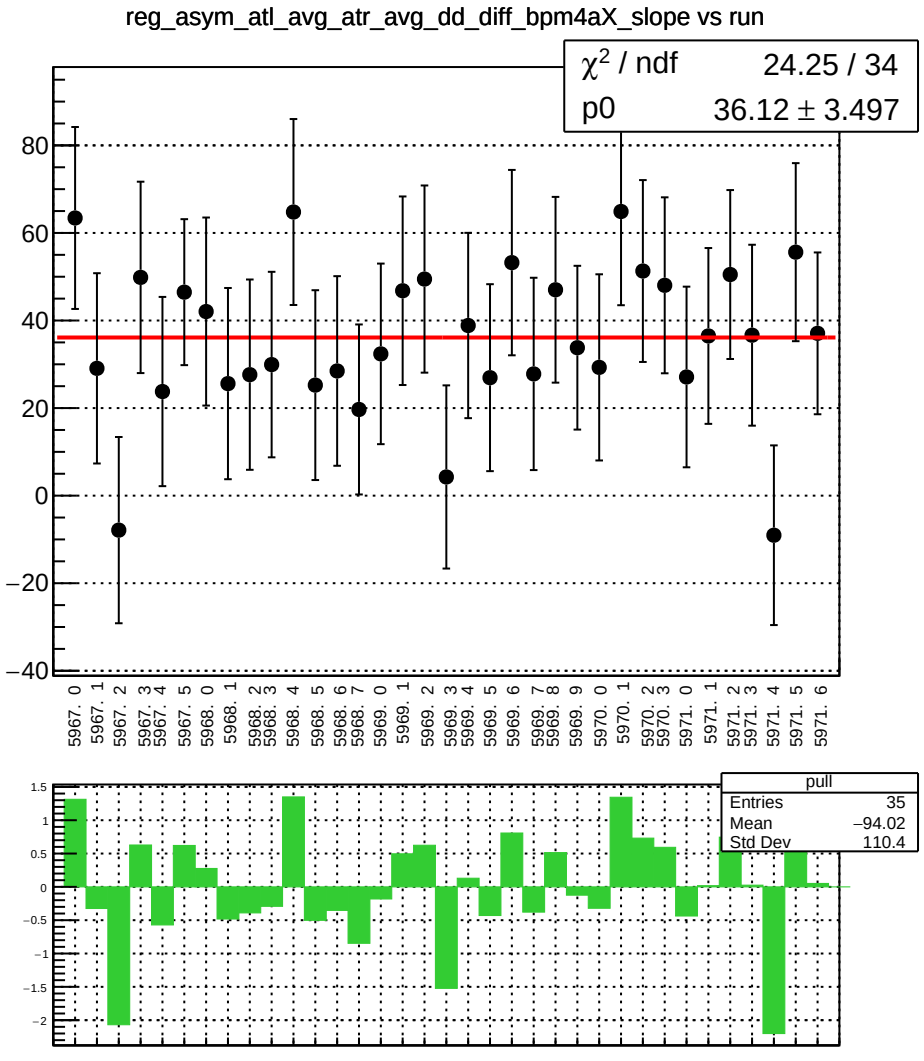

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.862 / 34
p0 3.46 ± 3.628
40
20
0
−20
−40
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 170
Std Dev 155.2
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.001921
Std Dev 0.3727
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

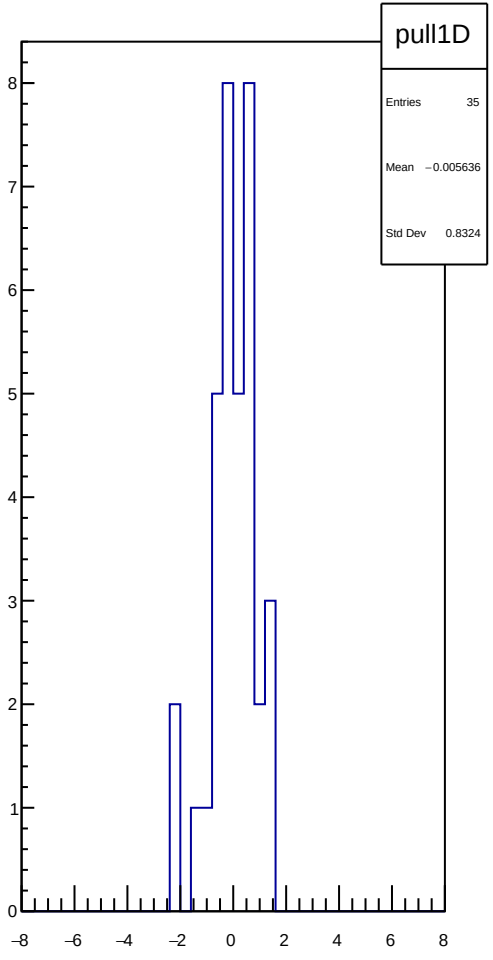

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.226 / 34
p0 347.9 ± 10.01
450
400
350
300
250
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 94.99
Std Dev 86.63
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

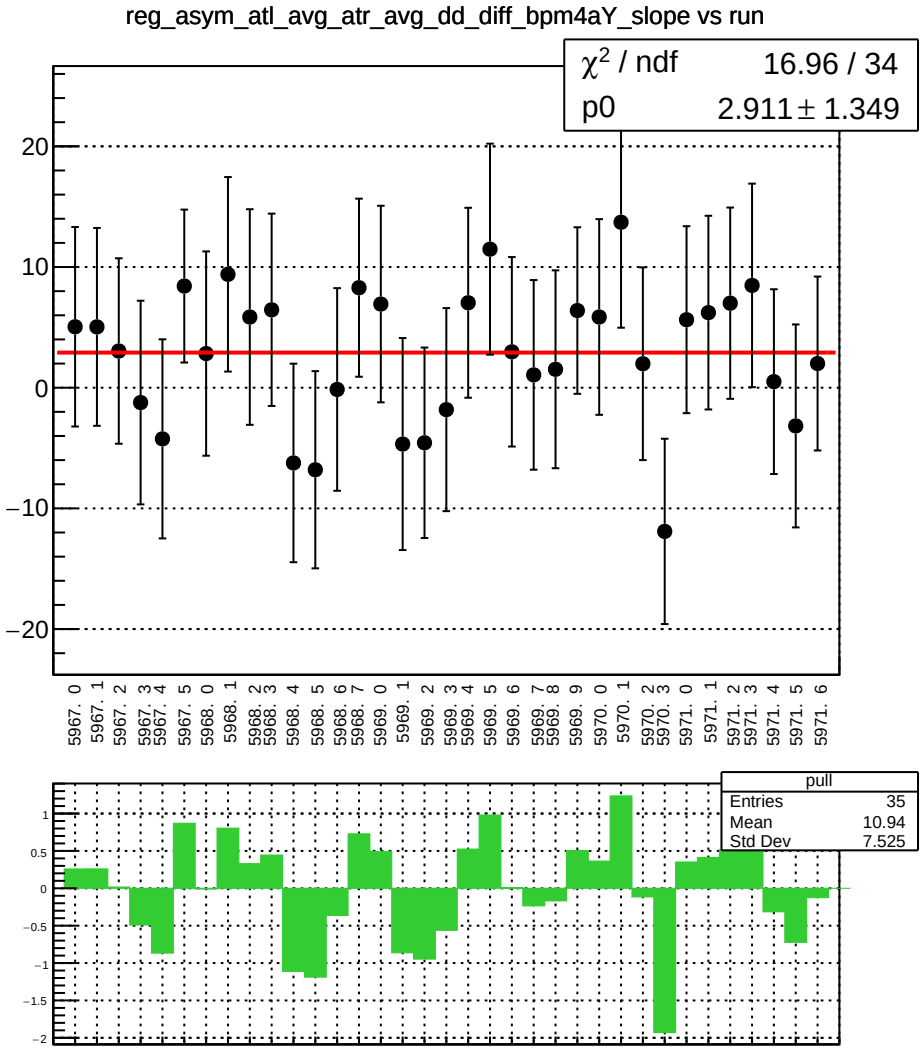

pull1D
Entries 35
Mean 0.007043
Std Dev 0.3864
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

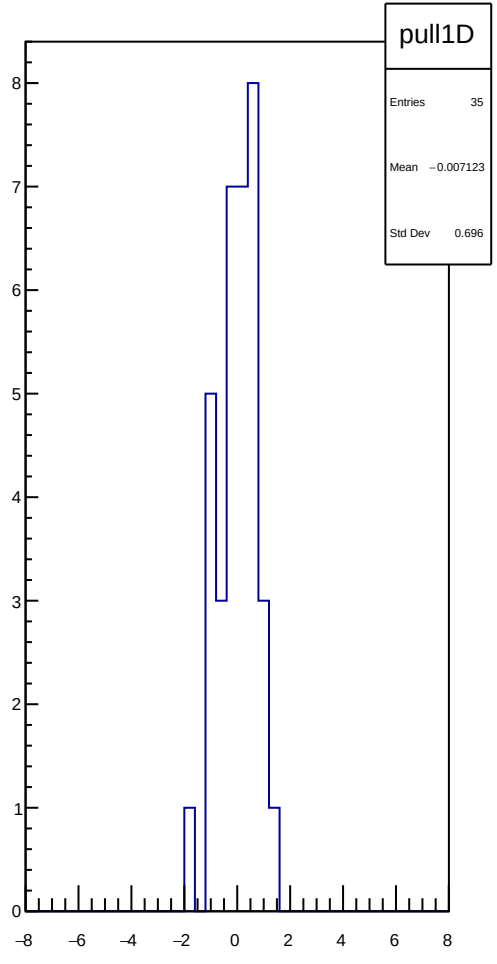

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.767 / 34
p0 48.94 ± 4.714
pull
Entries 35
Mean 312.3
Std Dev 298
pull1D
Entries 35
Mean −0.001066
Std Dev 0.369

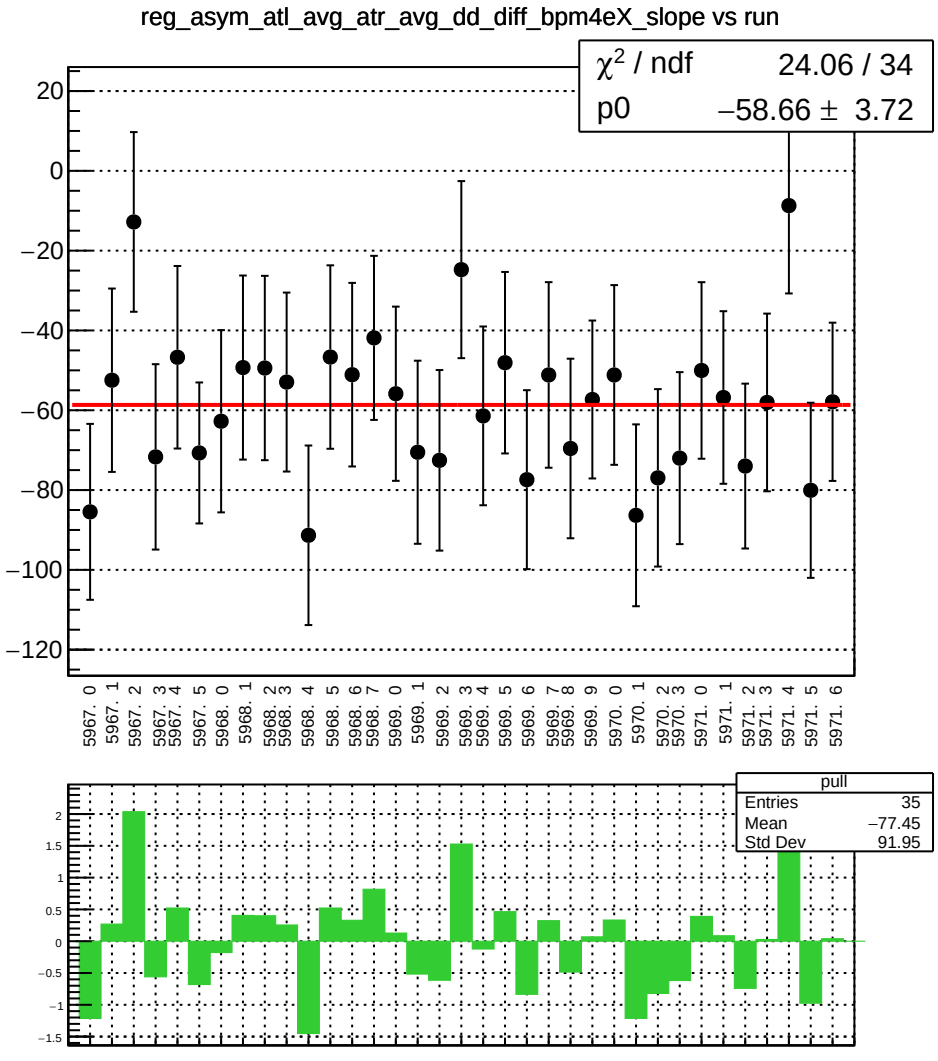

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 19.5 / 34
p0 −120 ± 0.4204
−114
−116
−118
−120
−122
−124
−126
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 61.69
Std Dev 46.39
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.01811
Std Dev 0.7462
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

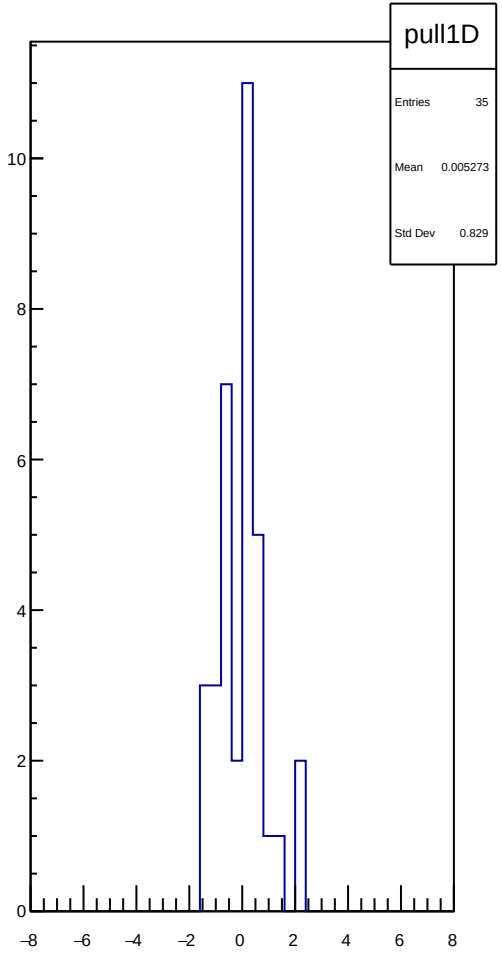

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.25 / 34
p0 36.12 ± 3.497
pull
Entries 35
Mean −94.02
Std Dev 110.4

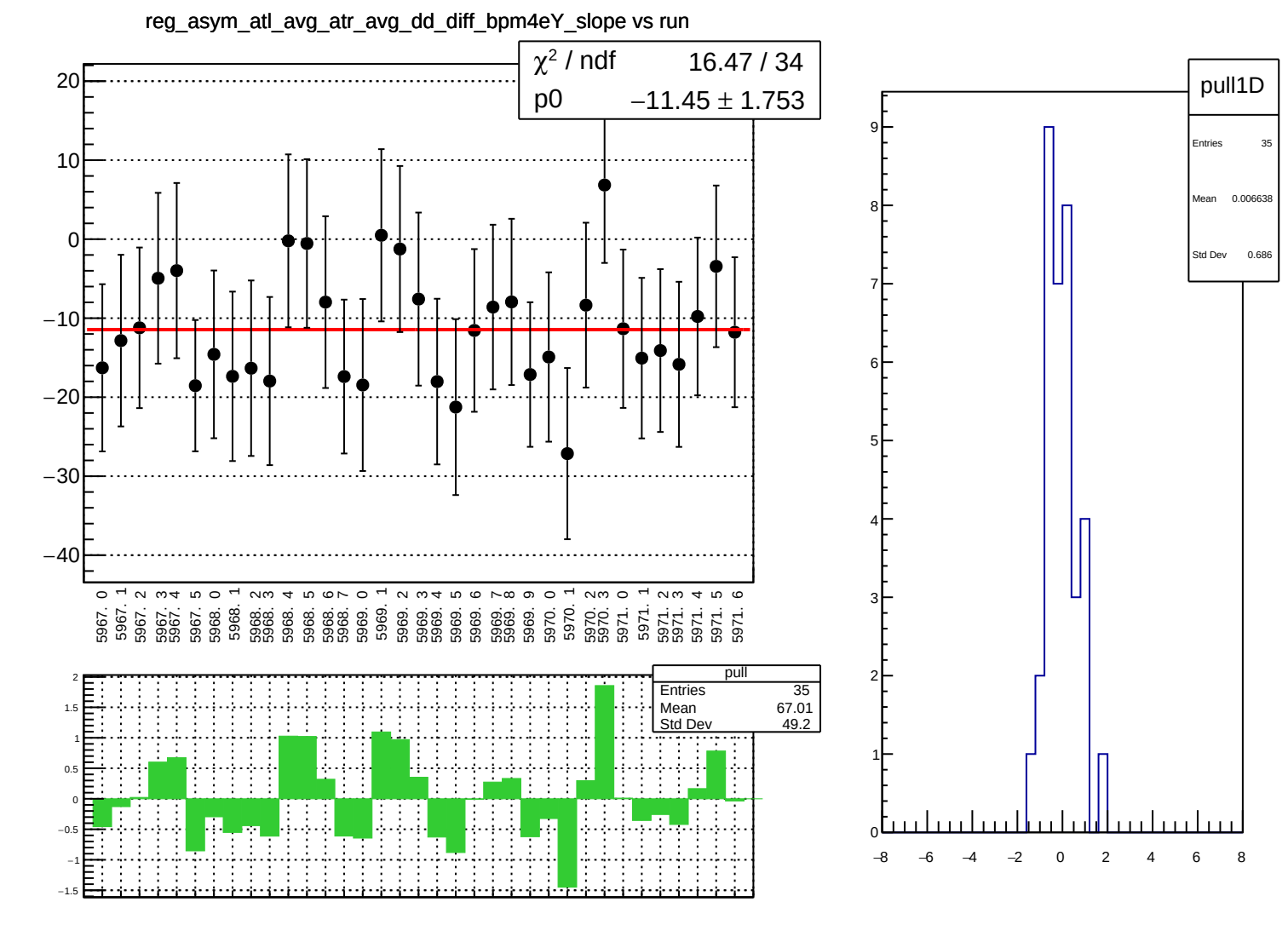

pull1D
Entries 35
Mean −0.005636
Std Dev 0.8324

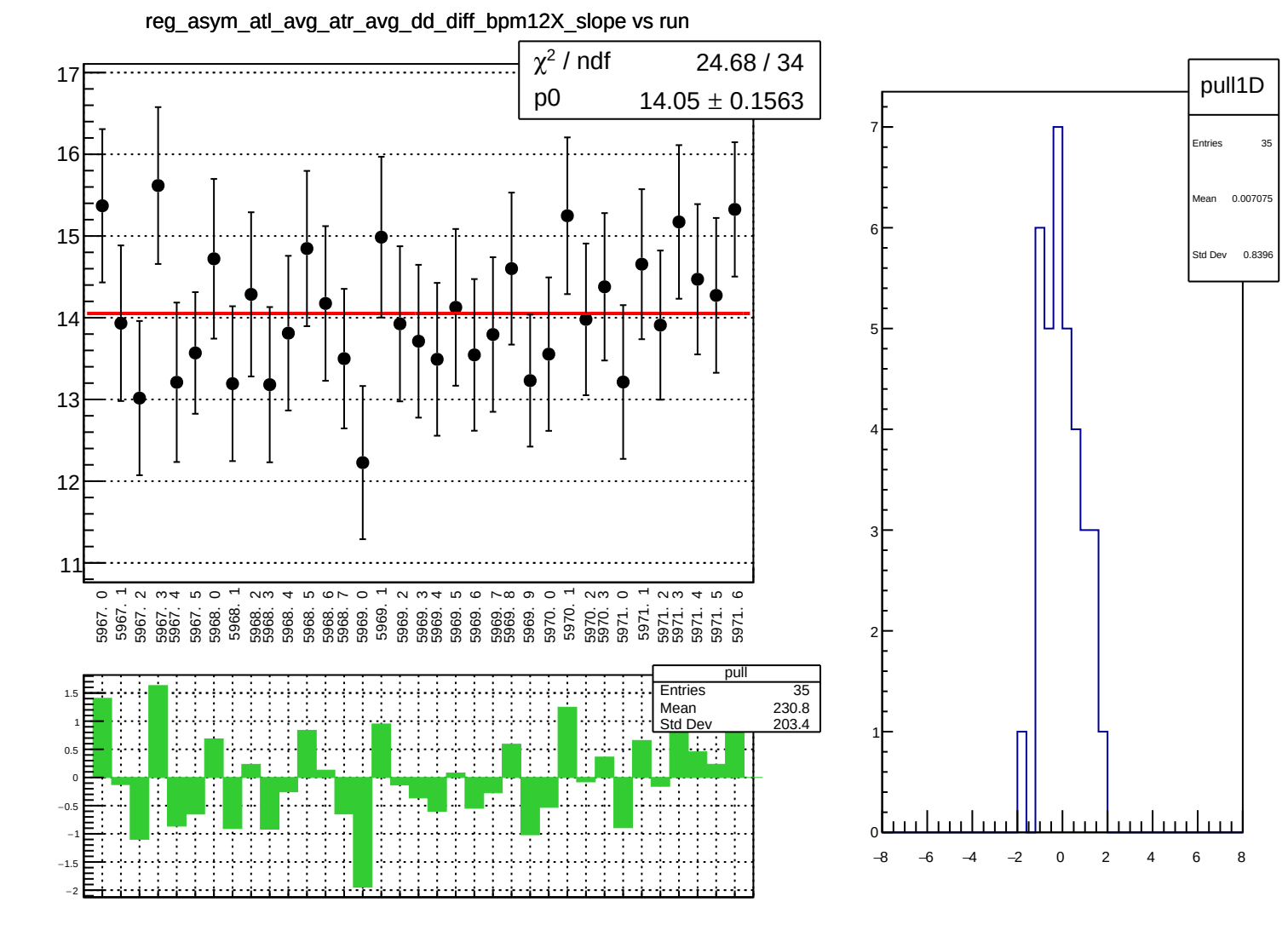

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.96 / 34
p0 2.911 ± 1.349
pull
Entries 35
Mean 10.94
Std Dev 7.525

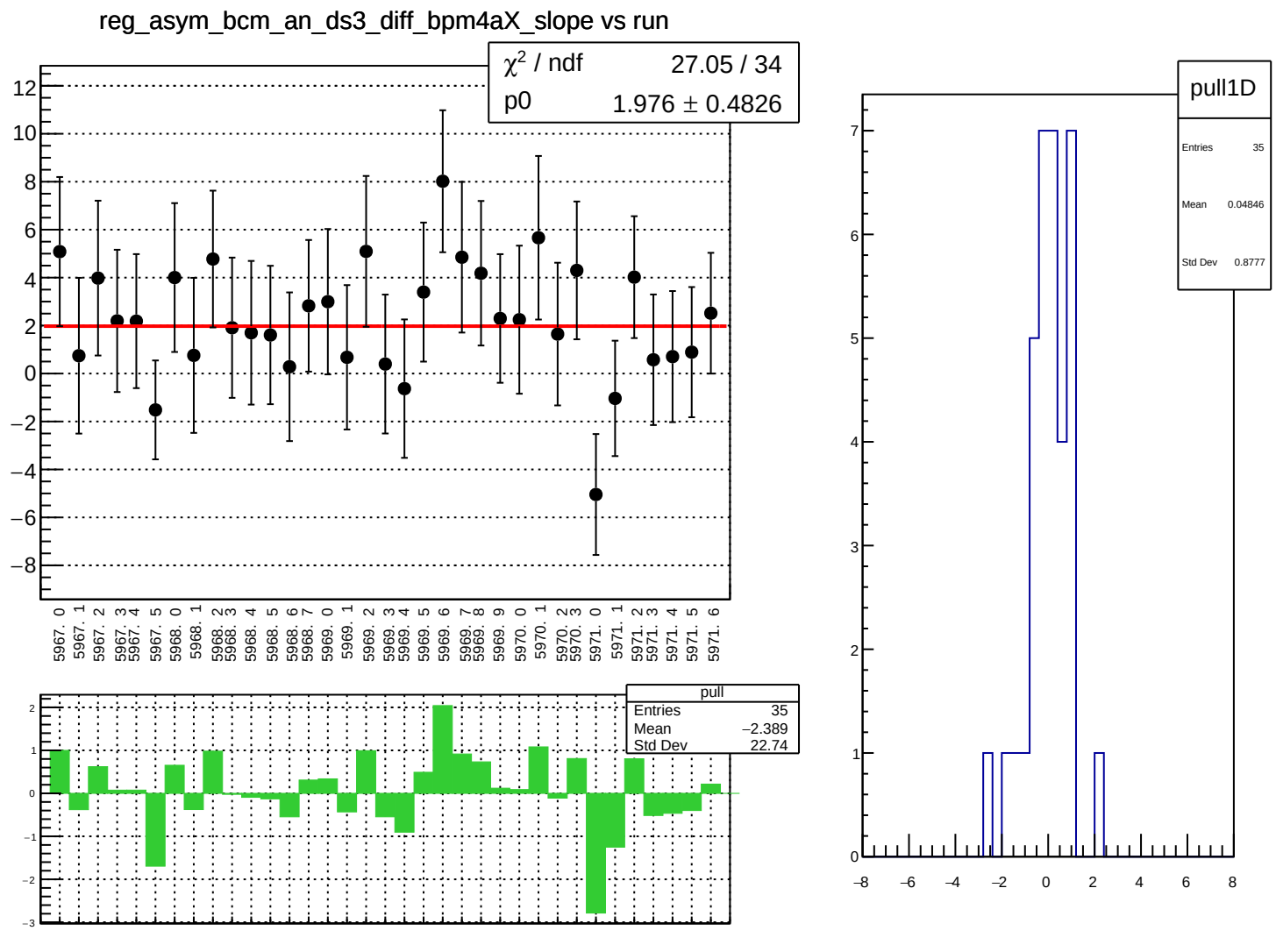

pull1D
Entries 35
Mean −0.007123
Std Dev 0.696

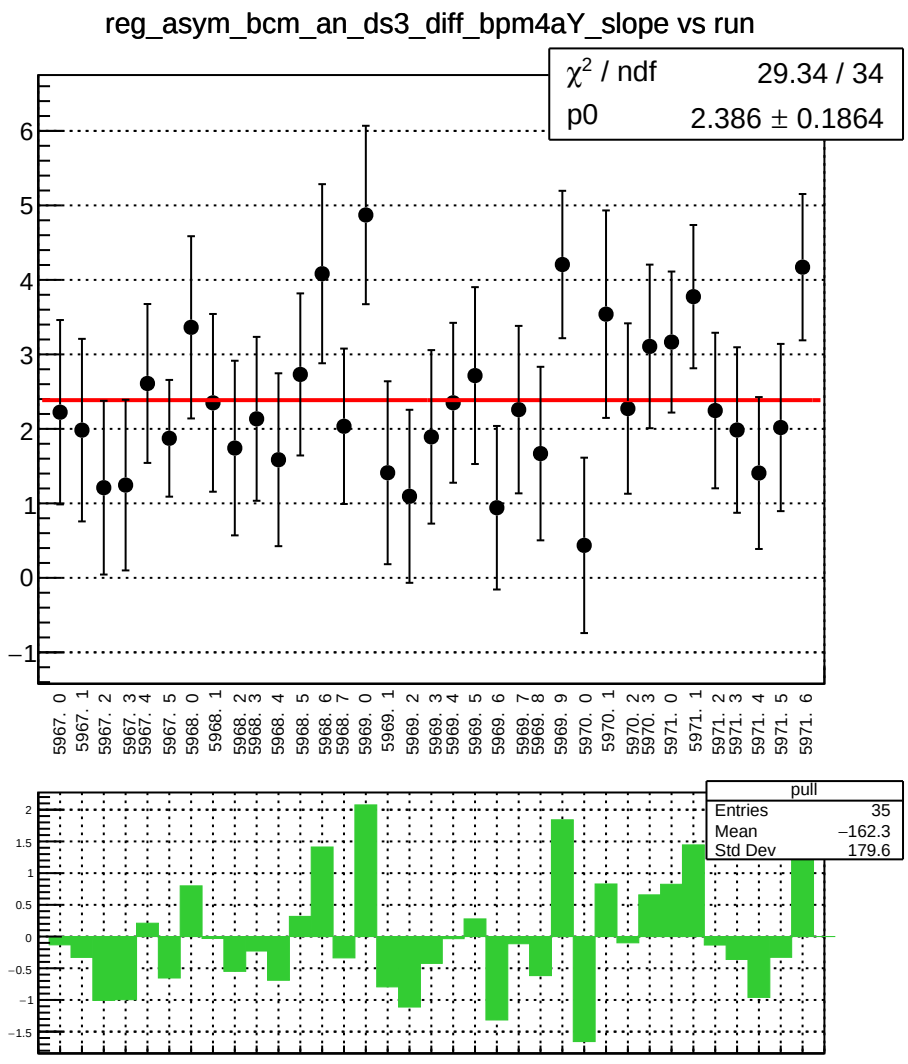

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.06 / 34
p0 −58.66 ± 3.72
pull
Entries 35
Mean −77.45
Std Dev 91.95

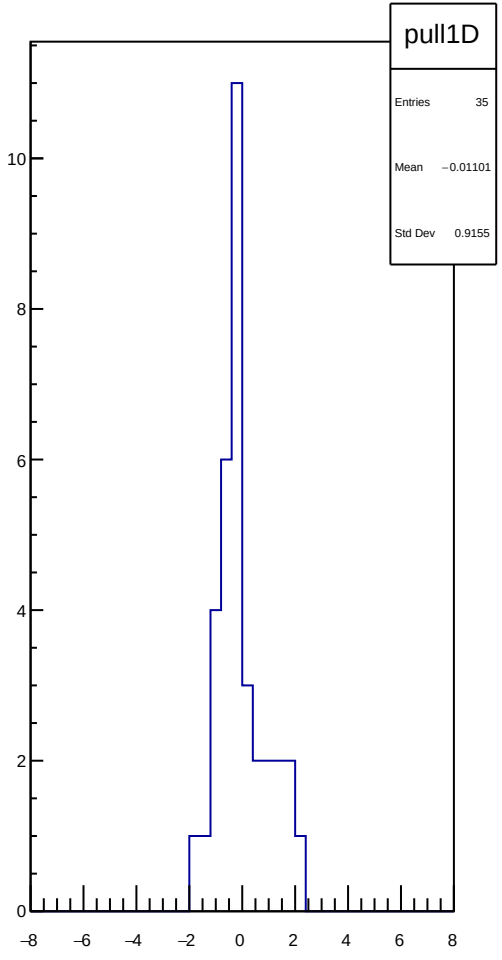

pull1D
Entries 35
Mean 0.005273
Std Dev 0.829

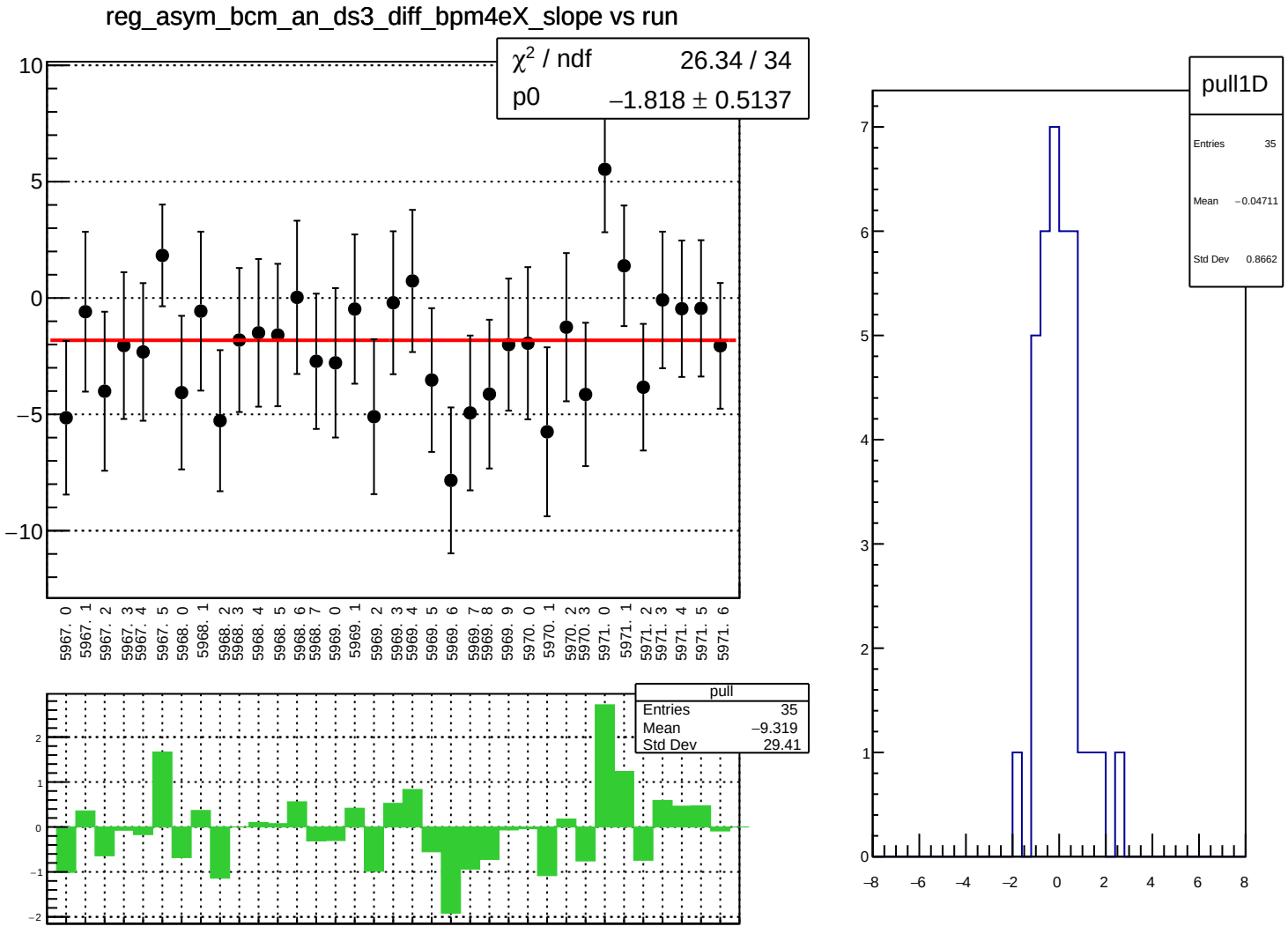

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.47 / 34
p0 −11.45 ± 1.753
pull
Entries 35
Mean 67.01
Std Dev 49.2
pull1D
Entries 35
Mean 0.006638
Std Dev 0.686

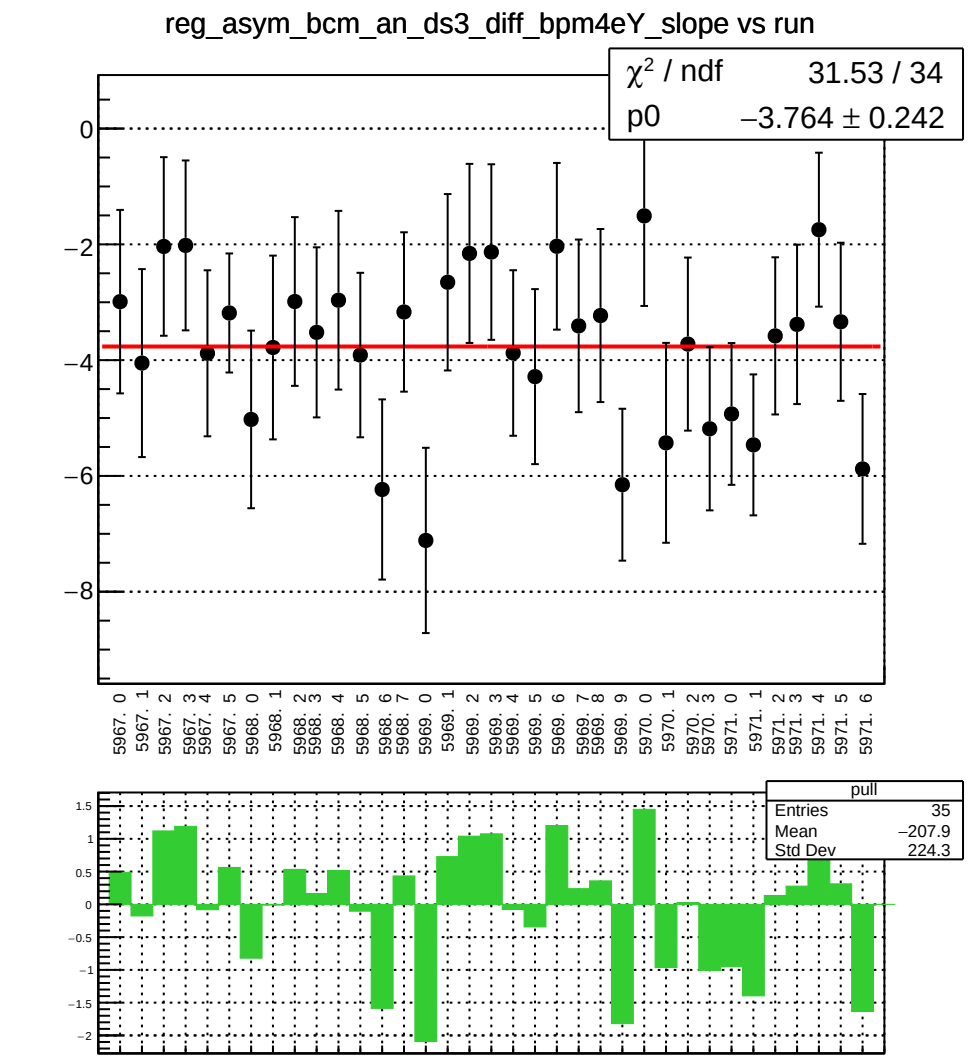

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 24.68 / 34
p0 14.05 ± 0.1563
pull
Entries 35
Mean 230.8
Std Dev 203.4
pull1D
Entries 35
Mean 0.007075
Std Dev 0.8396

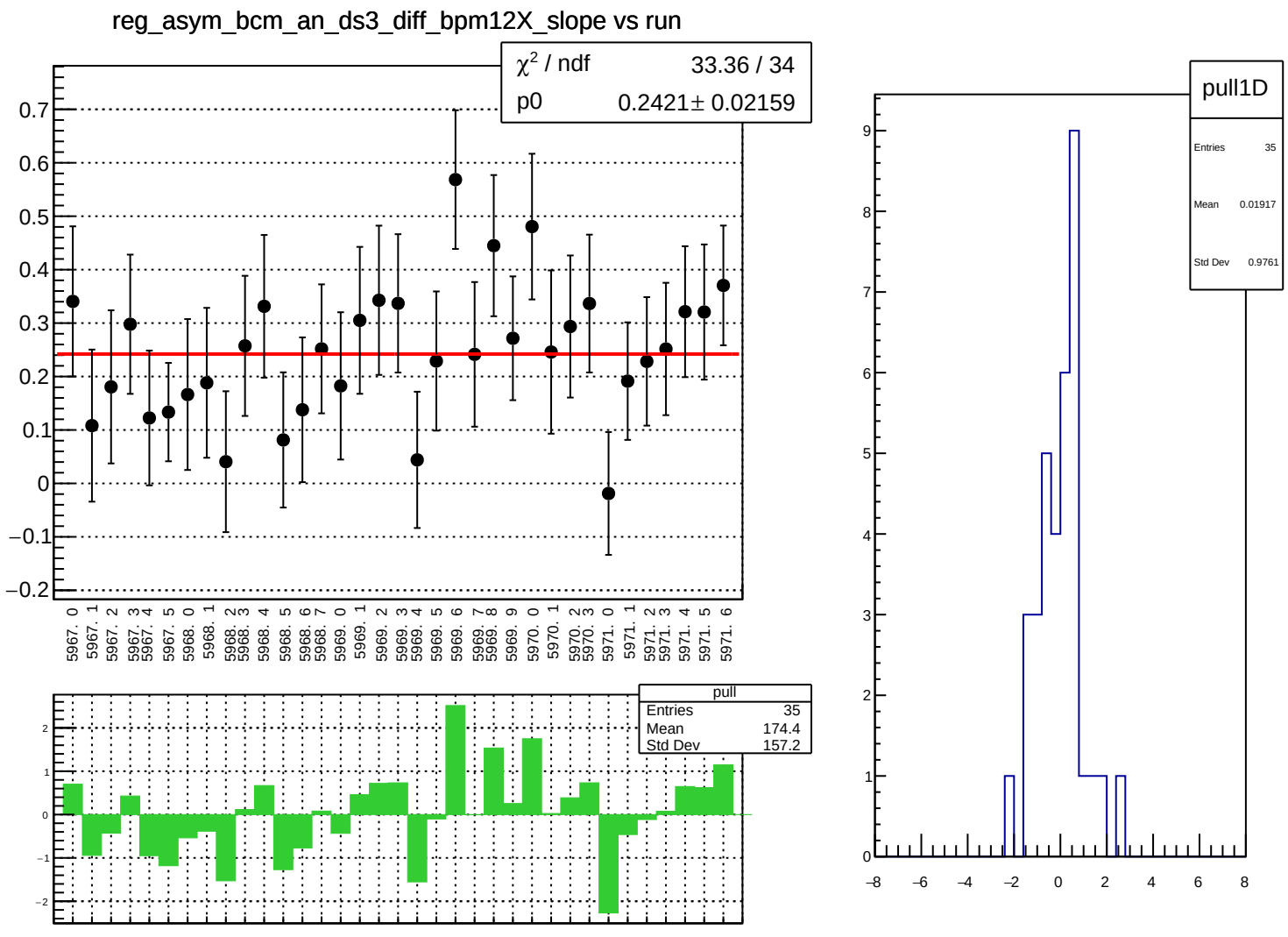

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 27.05 / 34
p0 1.976 ± 0.4826
pull
Entries 35
Mean −2.389
Std Dev 22.74
pull1D
Entries 35
Mean 0.04846
Std Dev 0.8777

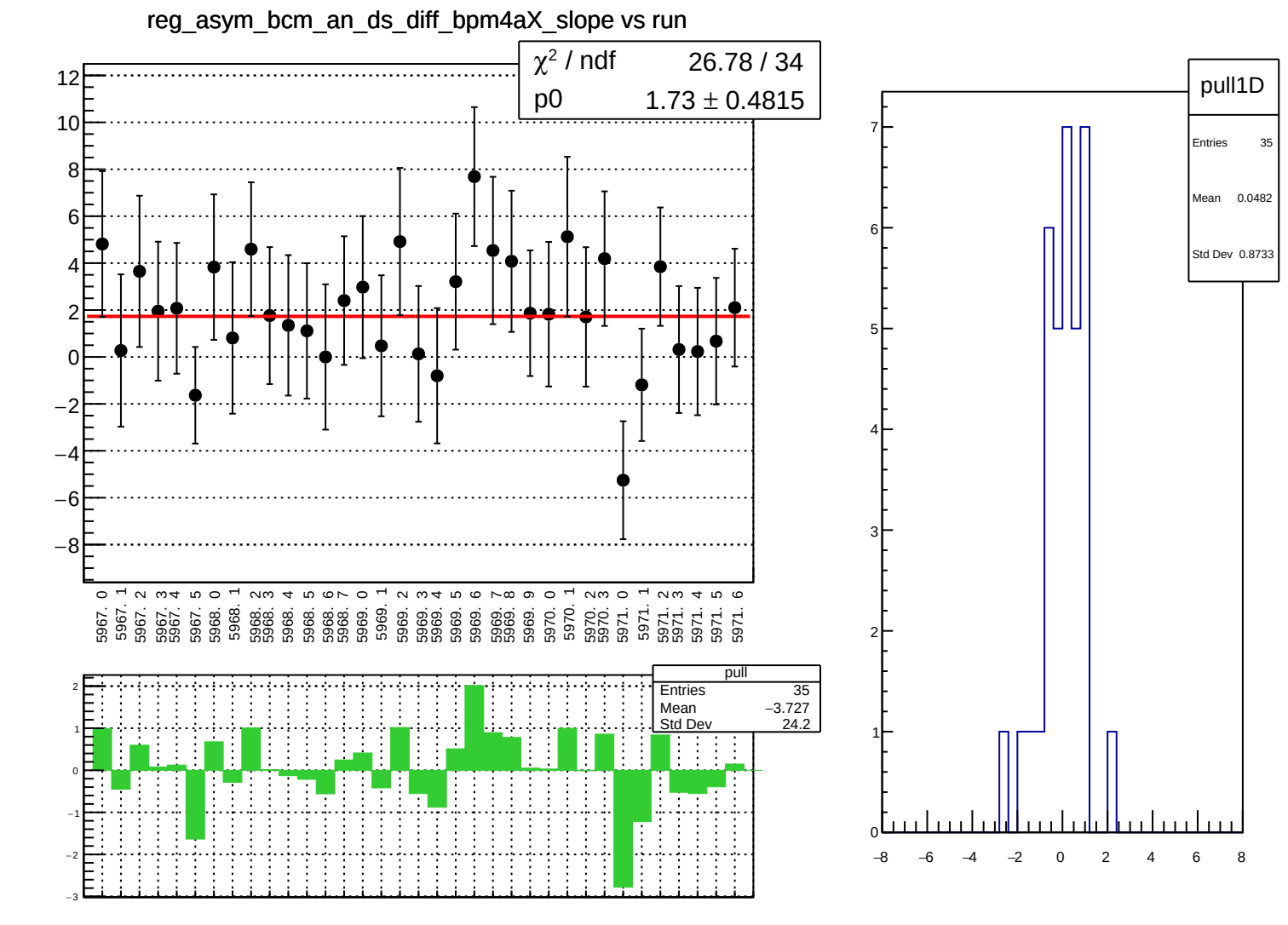

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 29.34 / 34
p0 2.386 ± 0.1864
pull
Entries 35
Mean −162.3
Std Dev 179.6

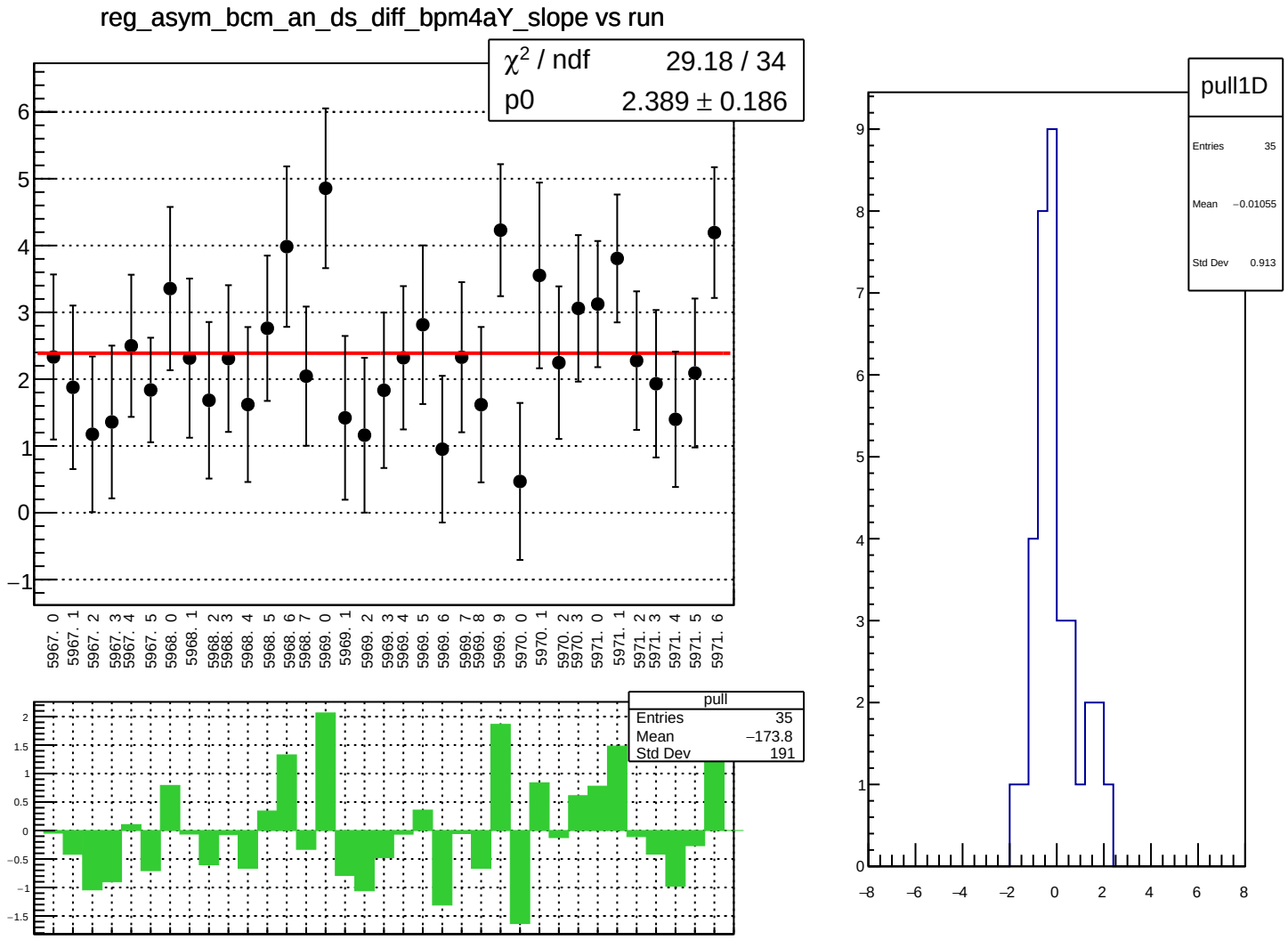

pull1D
Entries 35
Mean −0.01101
Std Dev 0.9155

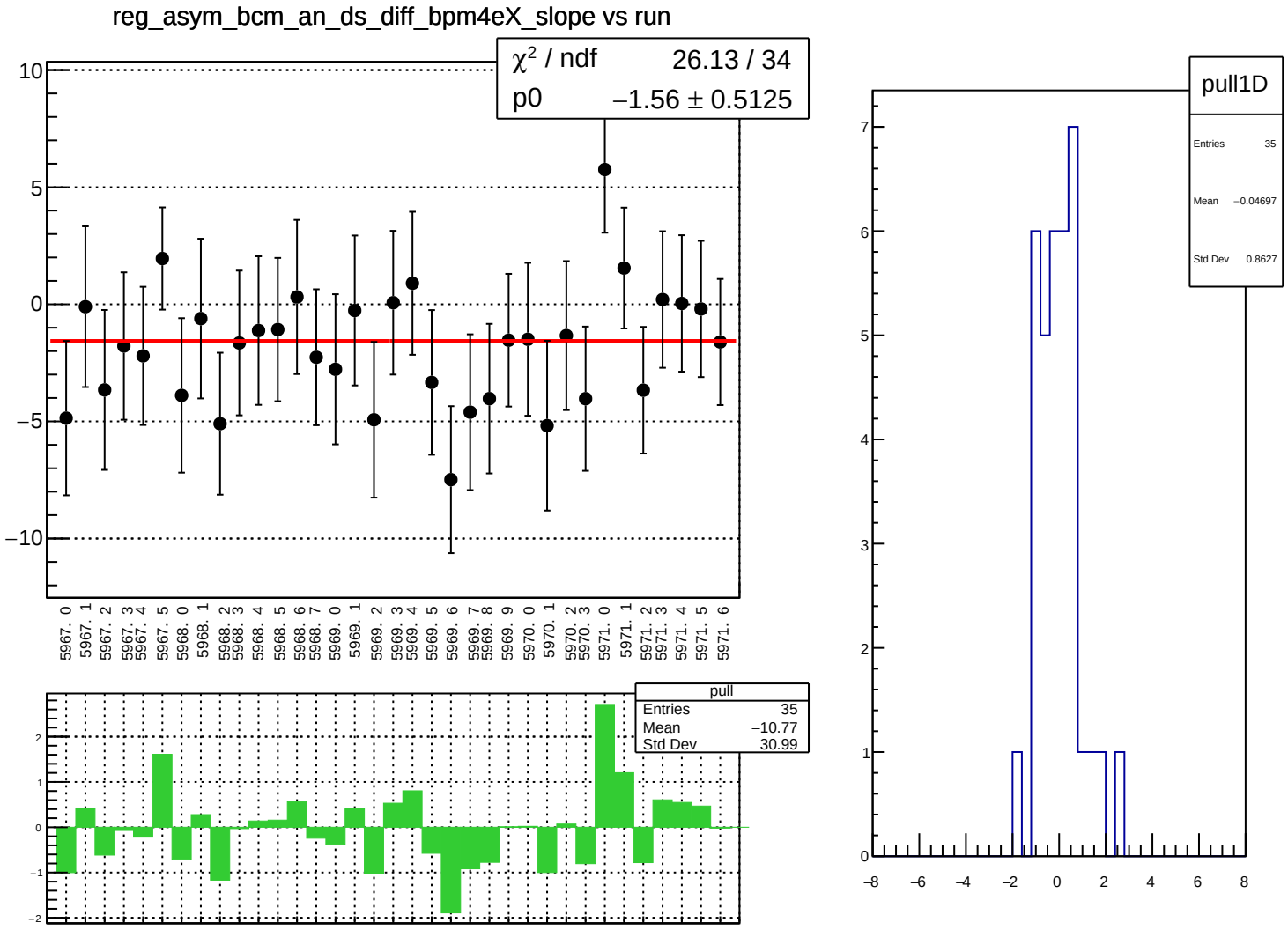

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 26.34 / 34
p0 −1.818 ± 0.5137
10
5
0
−5
−10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −9.319
Std Dev 29.41
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.04711
Std Dev 0.8662
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

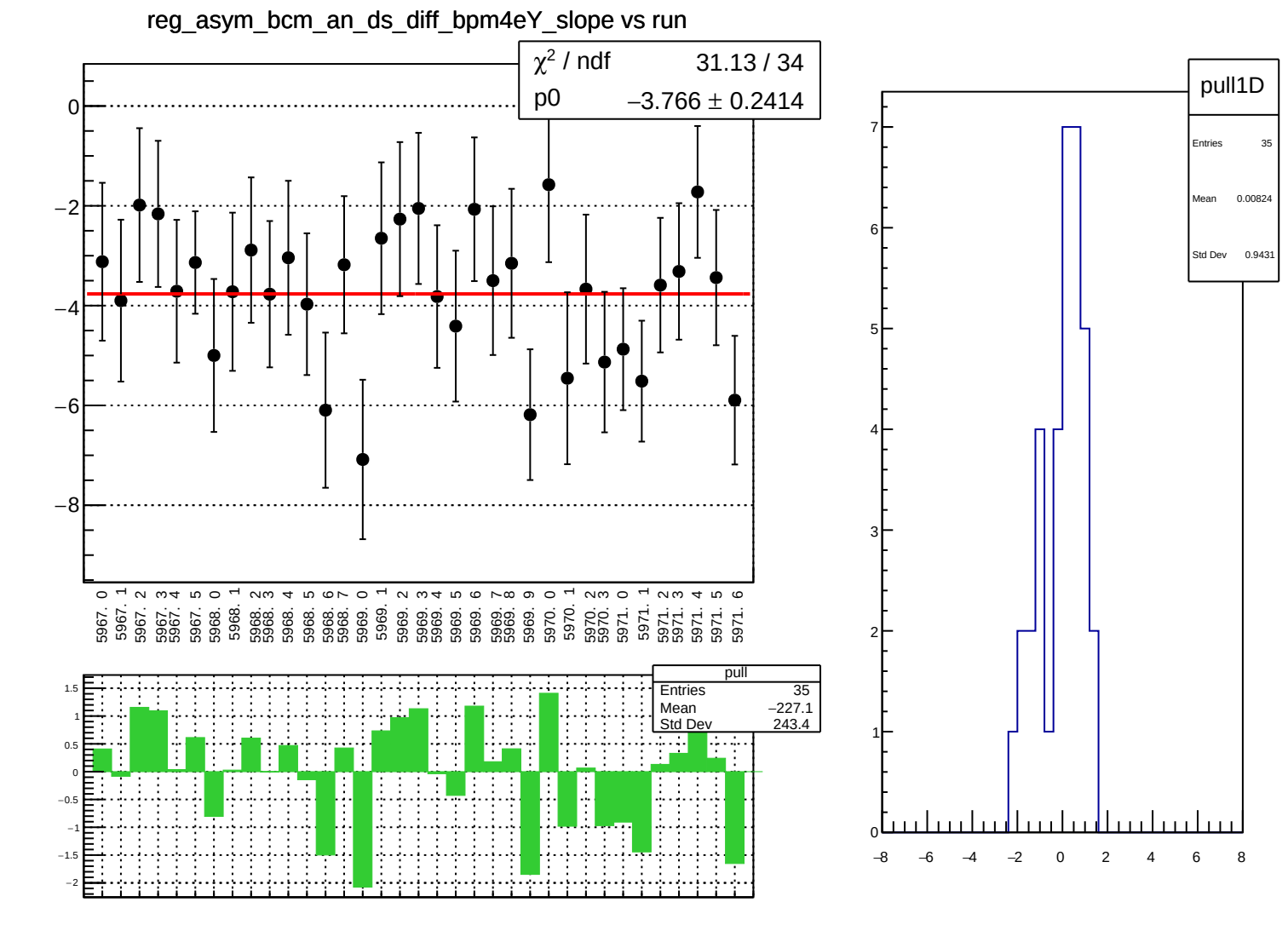

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 31.53 / 34
p0 −3.764 ± 0.242
pull
Entries 35
Mean −207.9
Std Dev 224.3
pull1D
Entries 35
Mean 0.008745
Std Dev 0.9491

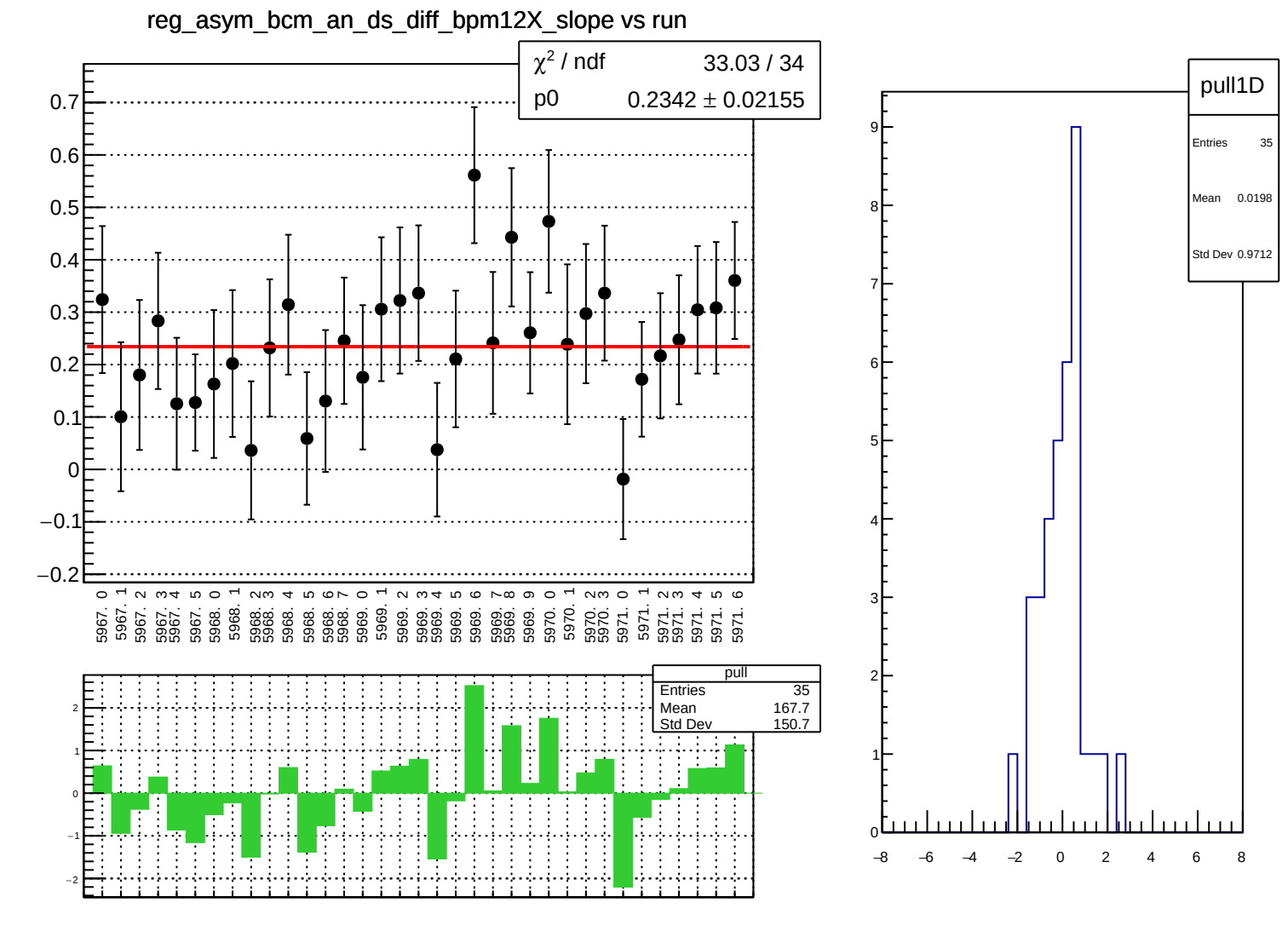

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 33.36 / 34
p0 0.2421± 0.02159
pull
Entries 35
Mean 174.4
Std Dev 157.2
pull1D
Entries 35
Mean 0.01917
Std Dev 0.9761

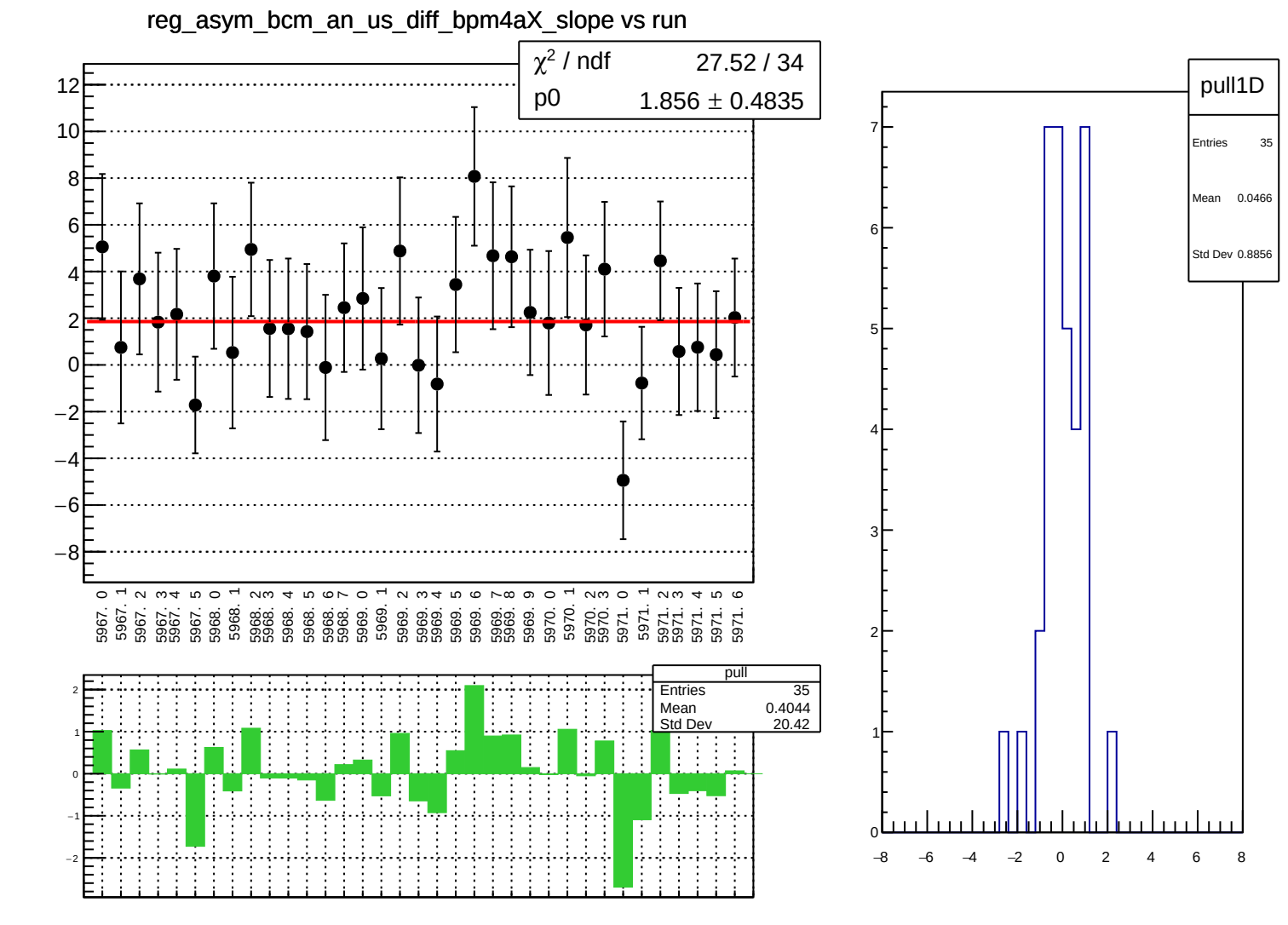

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 26.78 / 34
p0 1.73 ± 0.4815
pull
Entries 35
Mean −3.727
Std Dev 24.2
pull1D
Entries 35
Mean 0.0482
Std Dev 0.8733

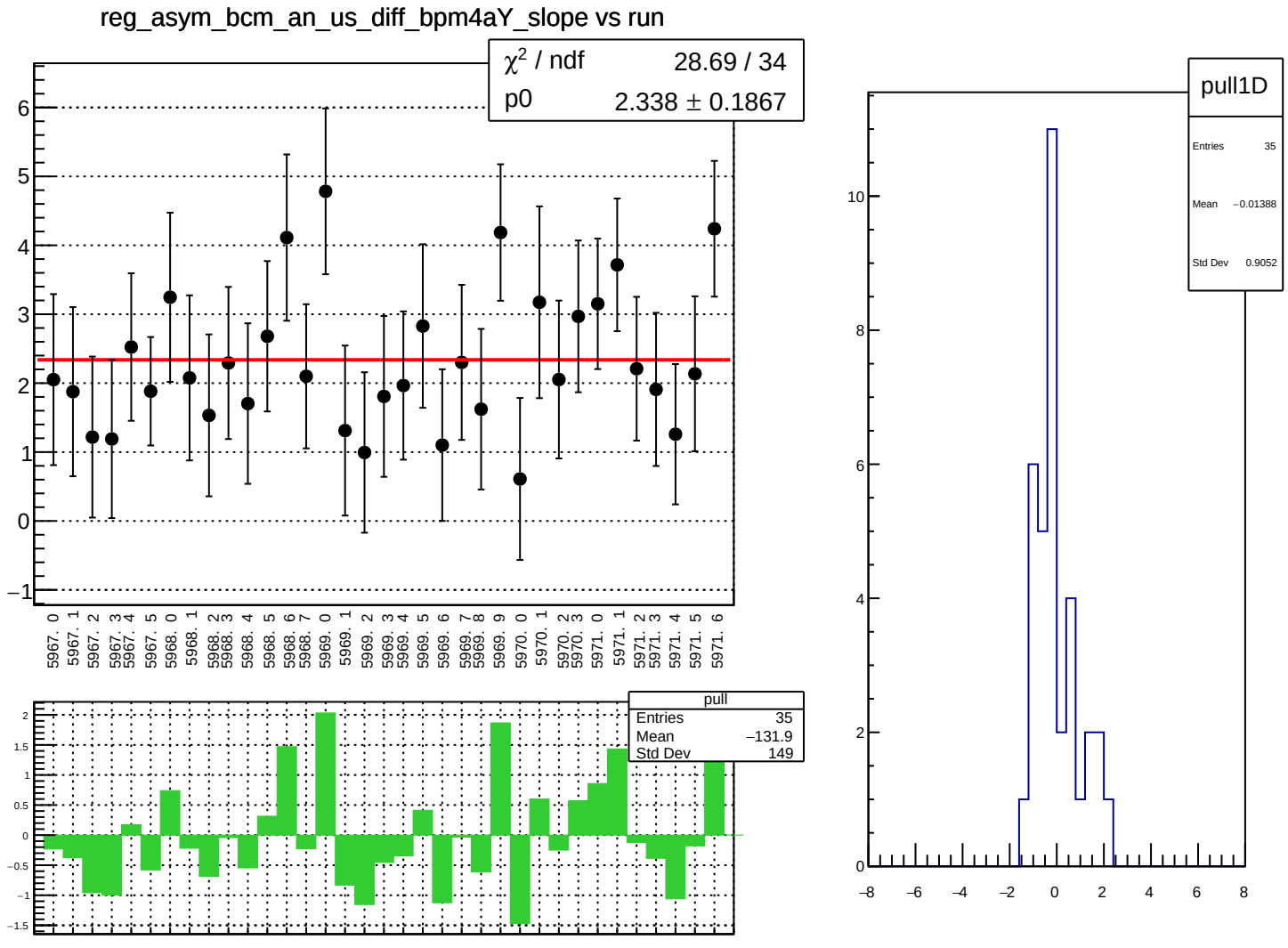

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 29.18 / 34
p0 2.389 ± 0.186
pull
Entries 35
Mean −173.8
Std Dev 191
pull1D
Entries 35
Mean −0.01055
Std Dev 0.913

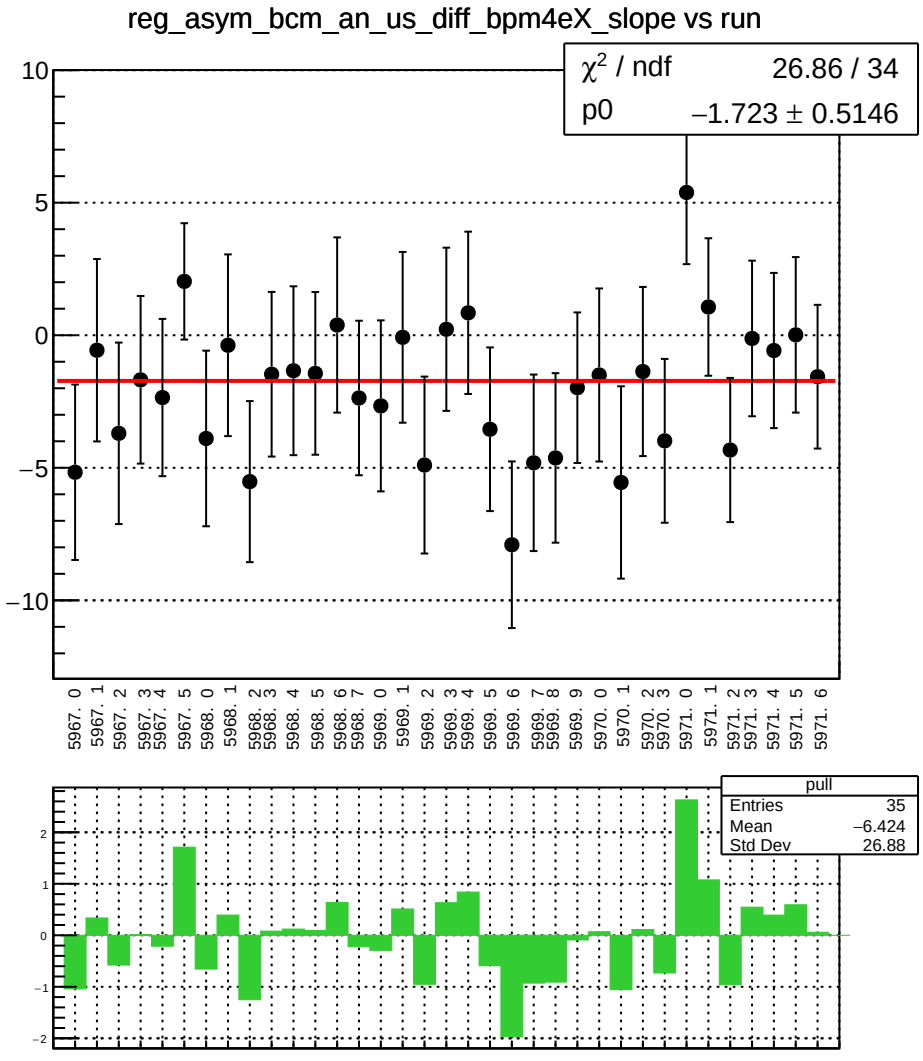

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 26.13 / 34
p0 −1.56 ± 0.5125
pull
Entries 35
Mean −10.77
Std Dev 30.99
pull1D
Entries 35
Mean −0.04697
Std Dev 0.8627

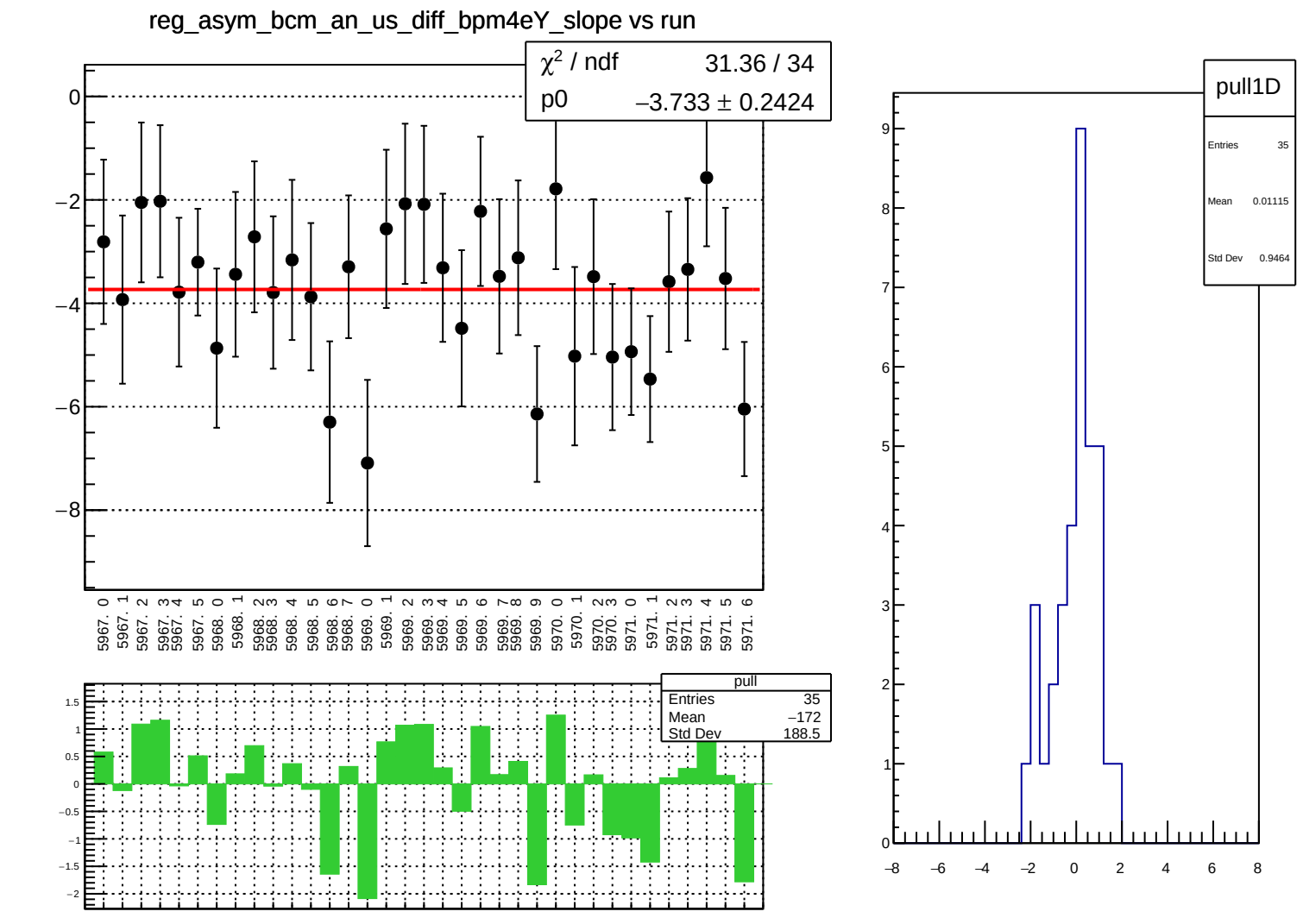

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 31.13 / 34
p0 −3.766 ± 0.2414
pull
Entries 35
Mean −227.1
Std Dev 243.4
pull1D
Entries 35
Mean 0.00824
Std Dev 0.9431

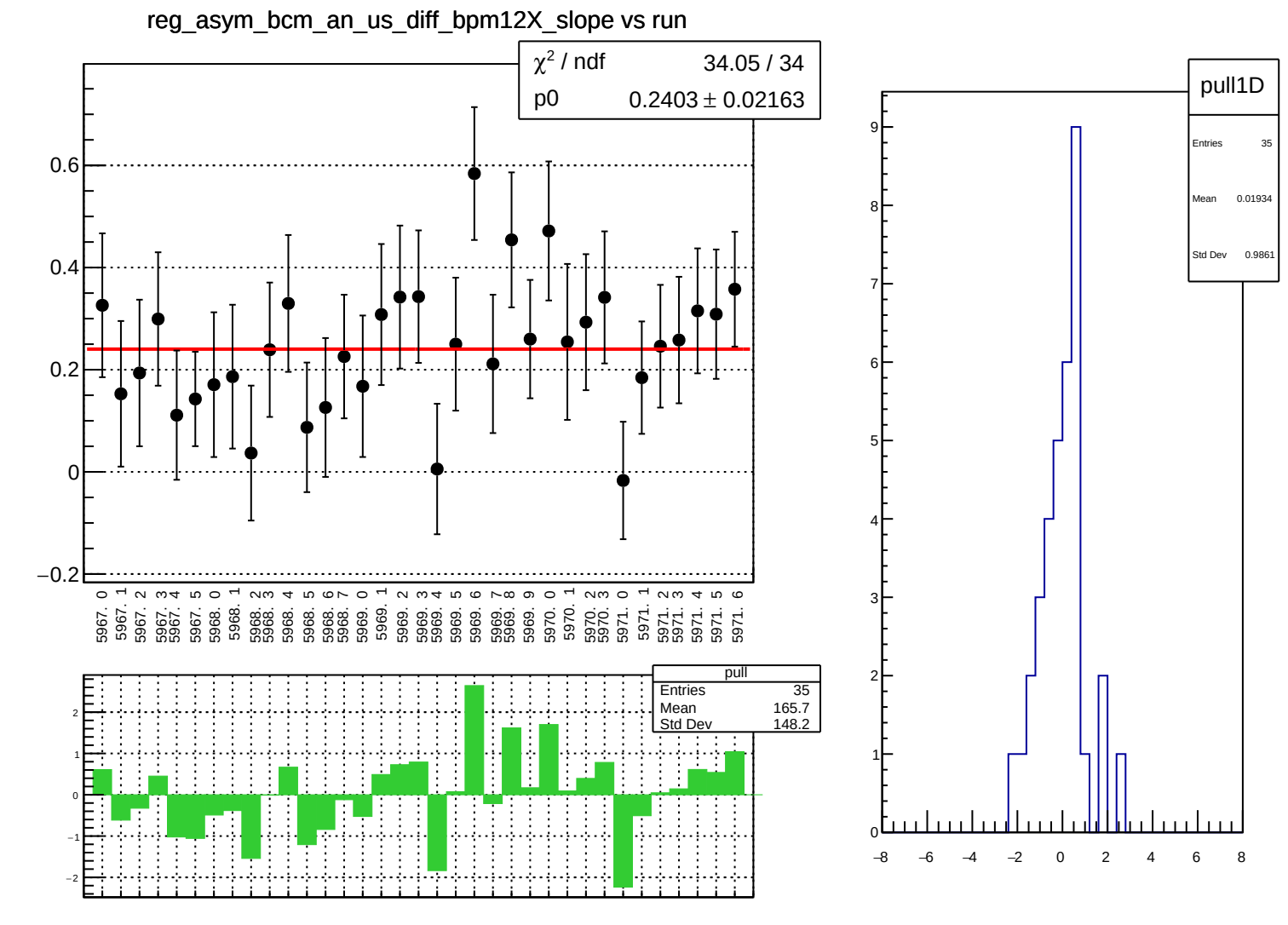

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 33.03 / 34
p0 0.2342 ± 0.02155
pull
Entries 35
Mean 167.7
Std Dev 150.7
pull1D
Entries 35
Mean 0.0198
Std Dev 0.9712

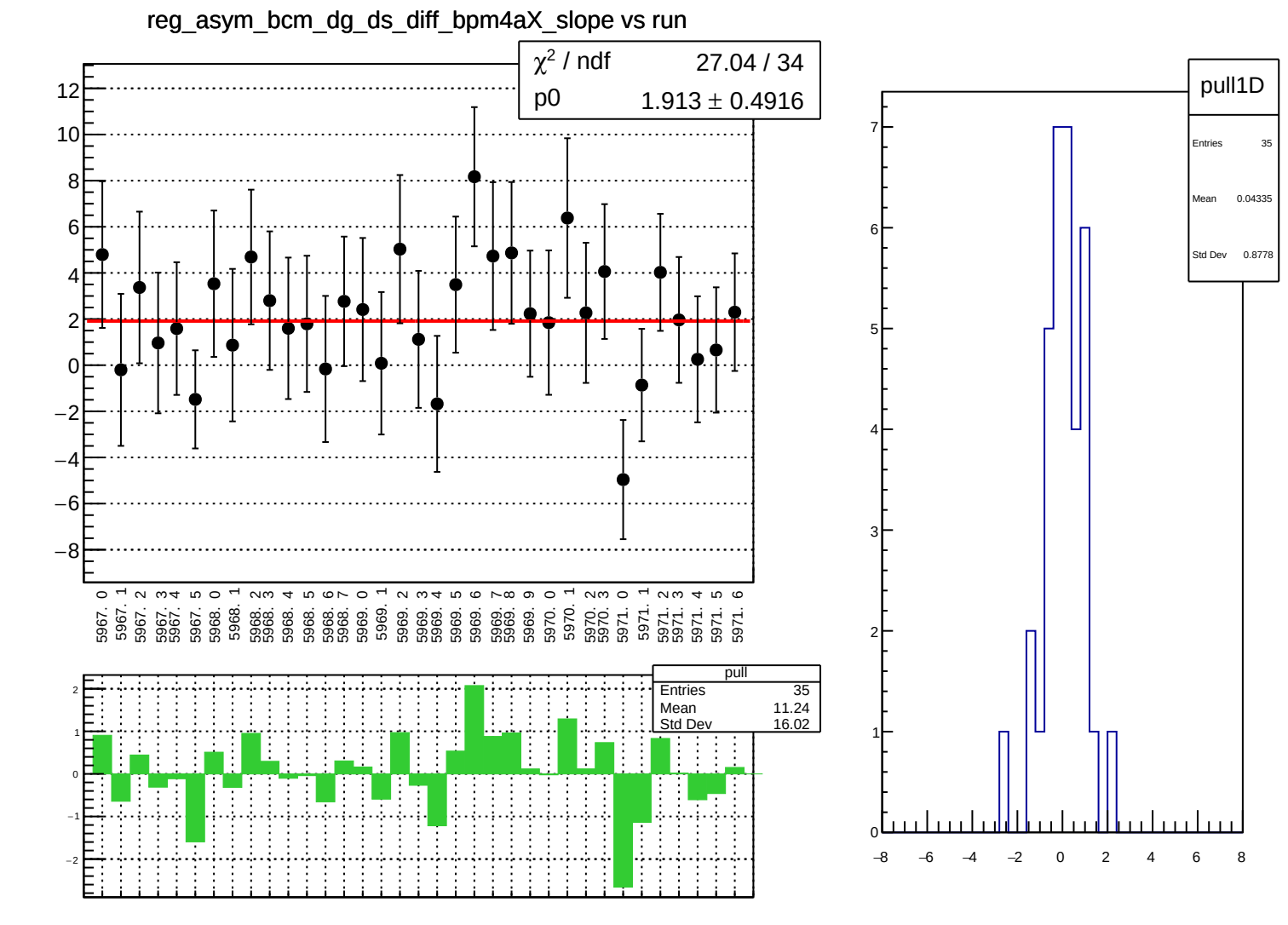

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 27.52 / 34
p0 1.856 ± 0.4835
pull
Entries 35
Mean 0.4044
Std Dev 20.42
pull1D
Entries 35
Mean 0.0466
Std Dev 0.8856

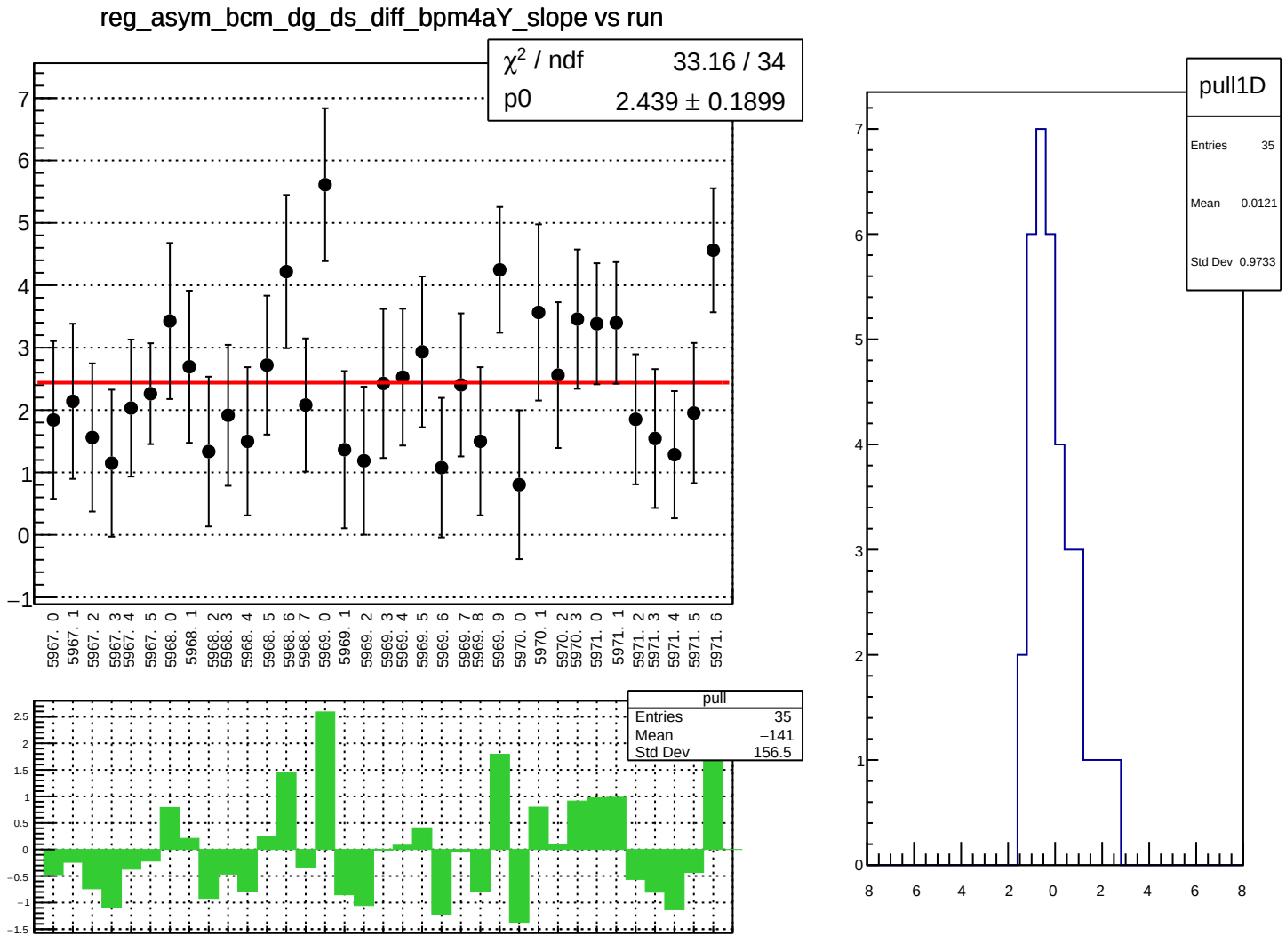

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 28.69 / 34
p0 2.338 ± 0.1867
pull
Entries 35
Mean −131.9
Std Dev 149
pull1D
Entries 35
Mean −0.01388
Std Dev 0.9052

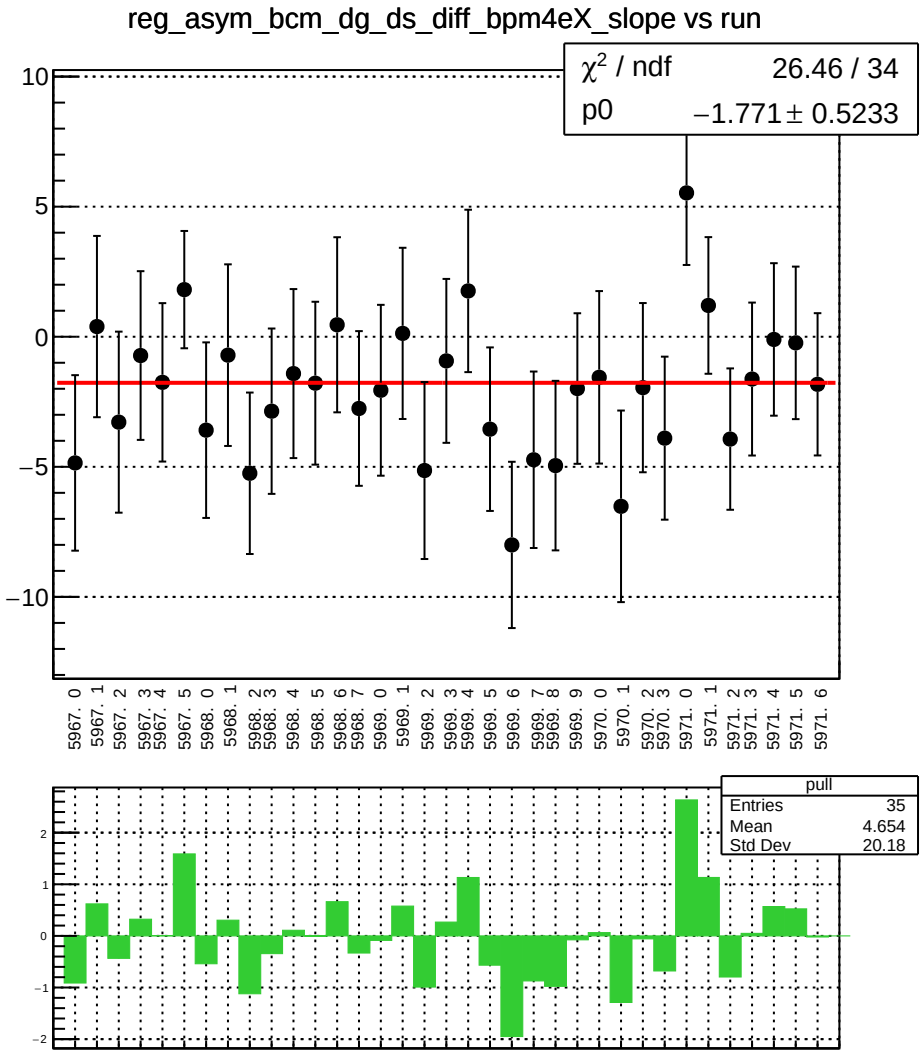

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 26.86 / 34
p0 −1.723 ± 0.5146
pull
Entries 35
Mean −6.424
Std Dev 26.88
pull1D
Entries 35
Mean −0.04544
Std Dev 0.8748

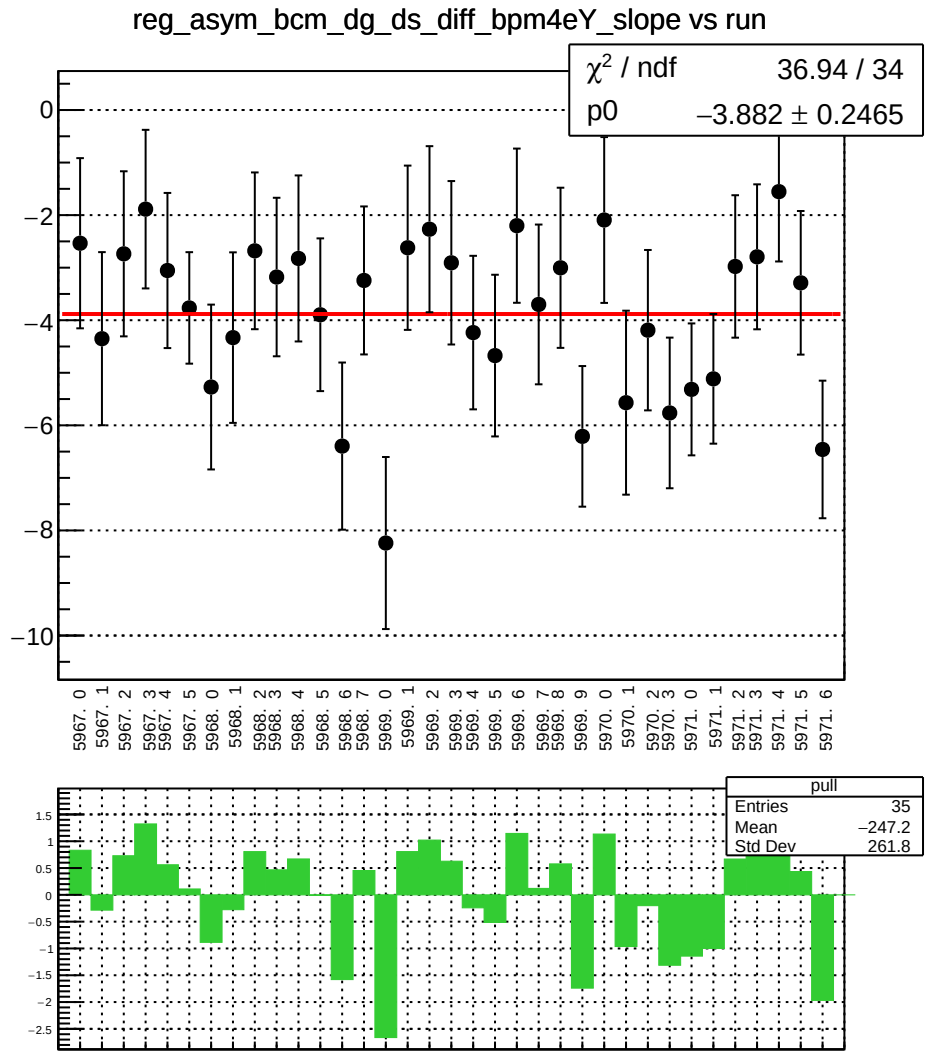

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 31.36 / 34
p0 −3.733 ± 0.2424
pull
Entries 35
Mean −172
Std Dev 188.5
pull1D
Entries 35
Mean 0.01115
Std Dev 0.9464

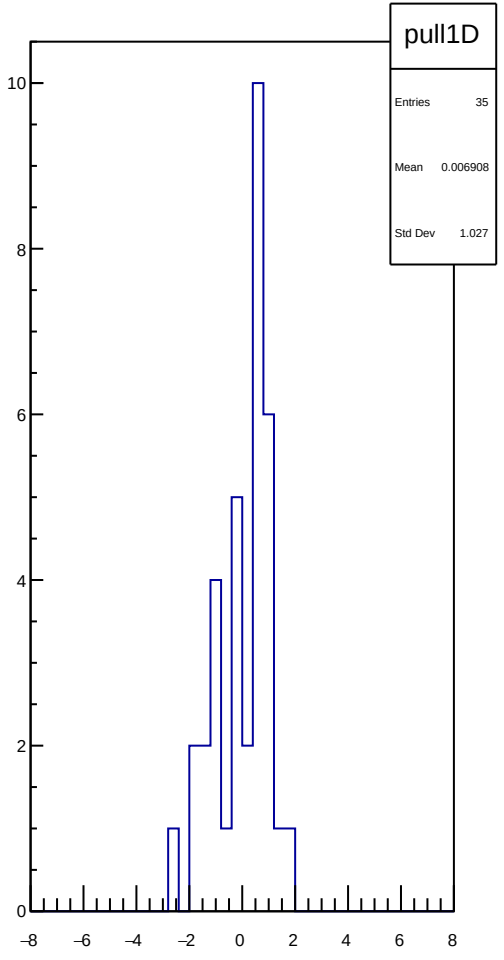

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 34.05 / 34
p0 0.2403 ± 0.02163
pull
Entries 35
Mean 165.7
Std Dev 148.2
pull1D
Entries 35
Mean 0.01934
Std Dev 0.9861

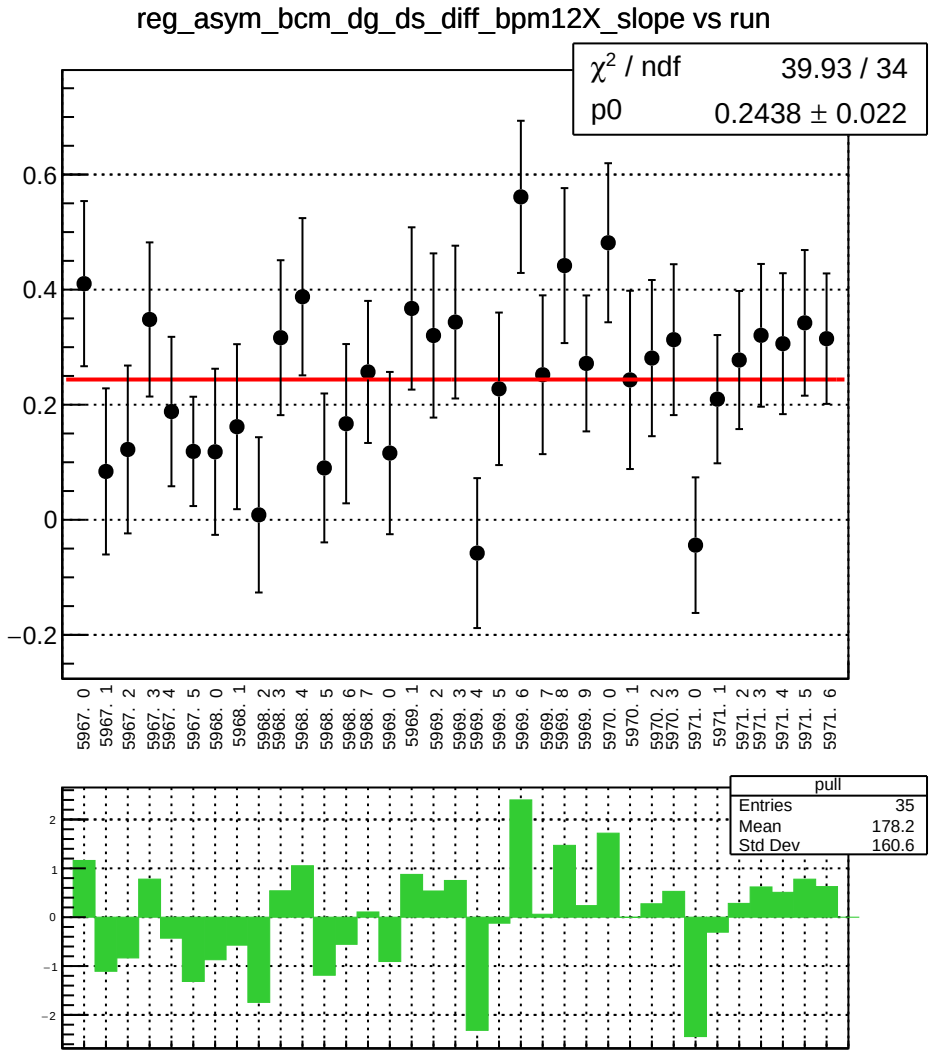

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 27.04 / 34
p0 1.913 ± 0.4916
pull
Entries 35
Mean 11.24
Std Dev 16.02
pull1D
Entries 35
Mean 0.04335
Std Dev 0.8778

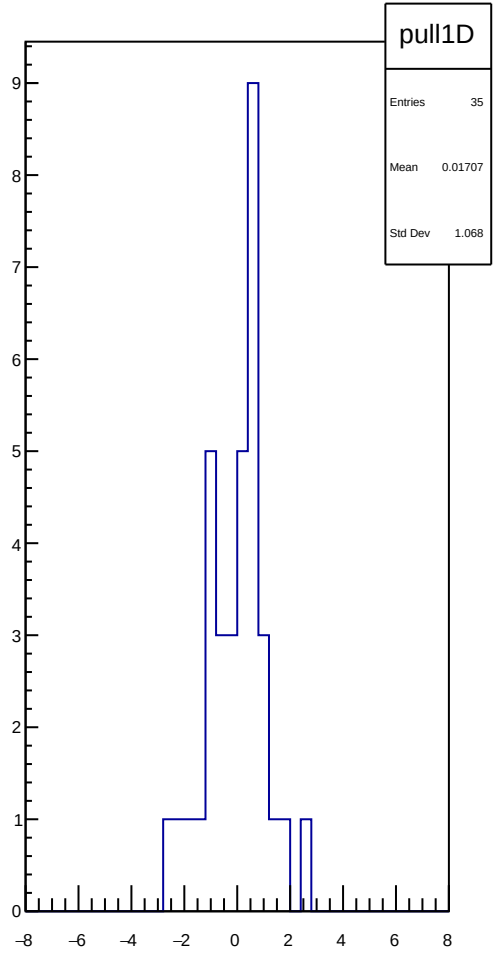

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 33.16 / 34
p0 2.439 ± 0.1899
pull
Entries 35
Mean −141
Std Dev 156.5
pull1D
Entries 35
Mean −0.0121
Std Dev 0.9733

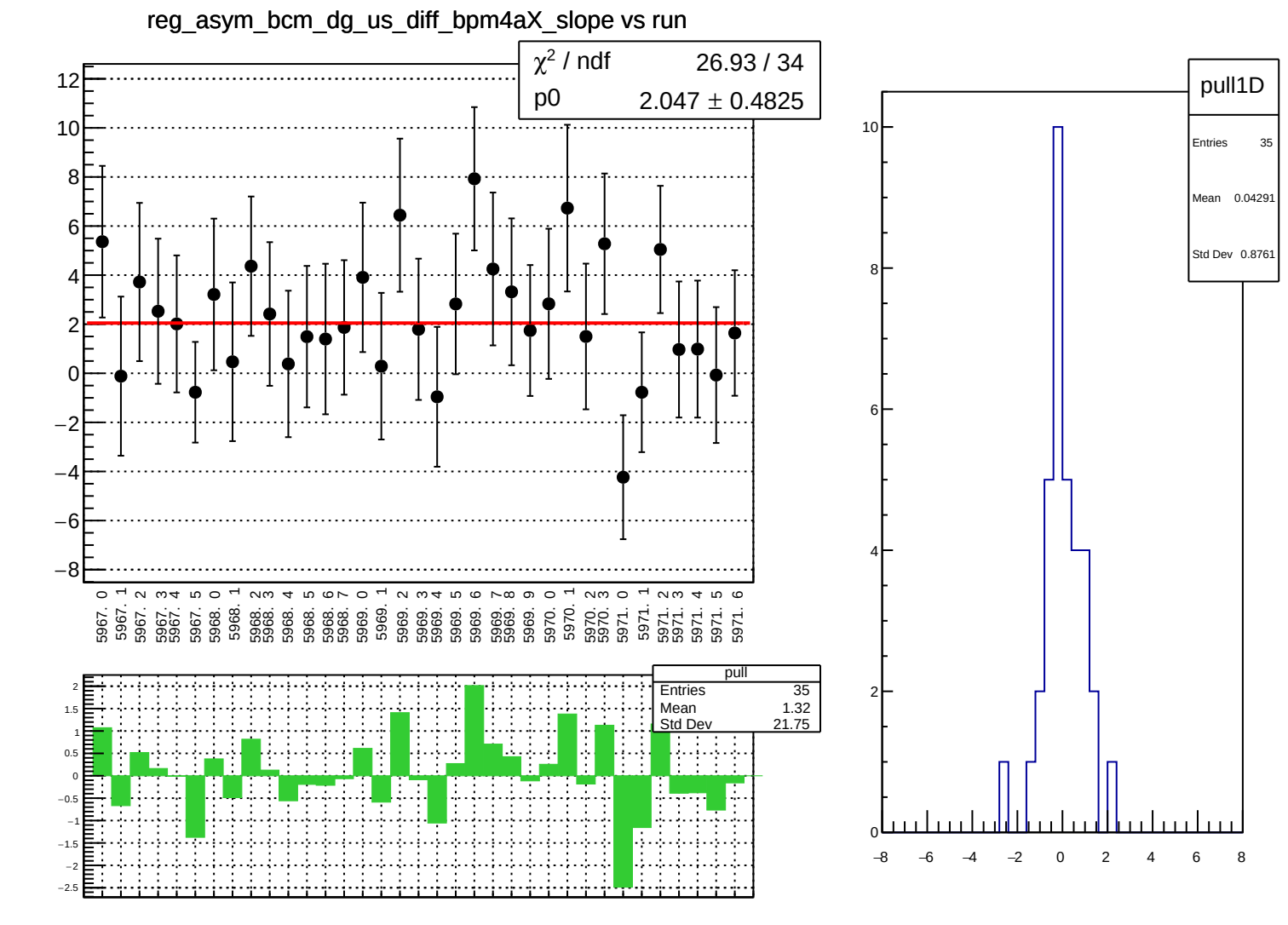

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 26.46 / 34
p0 −1.771 ± 0.5233
10
5
0
−5
−10
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean 4.654
Std Dev 20.18
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.04256
Std Dev 0.8685
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

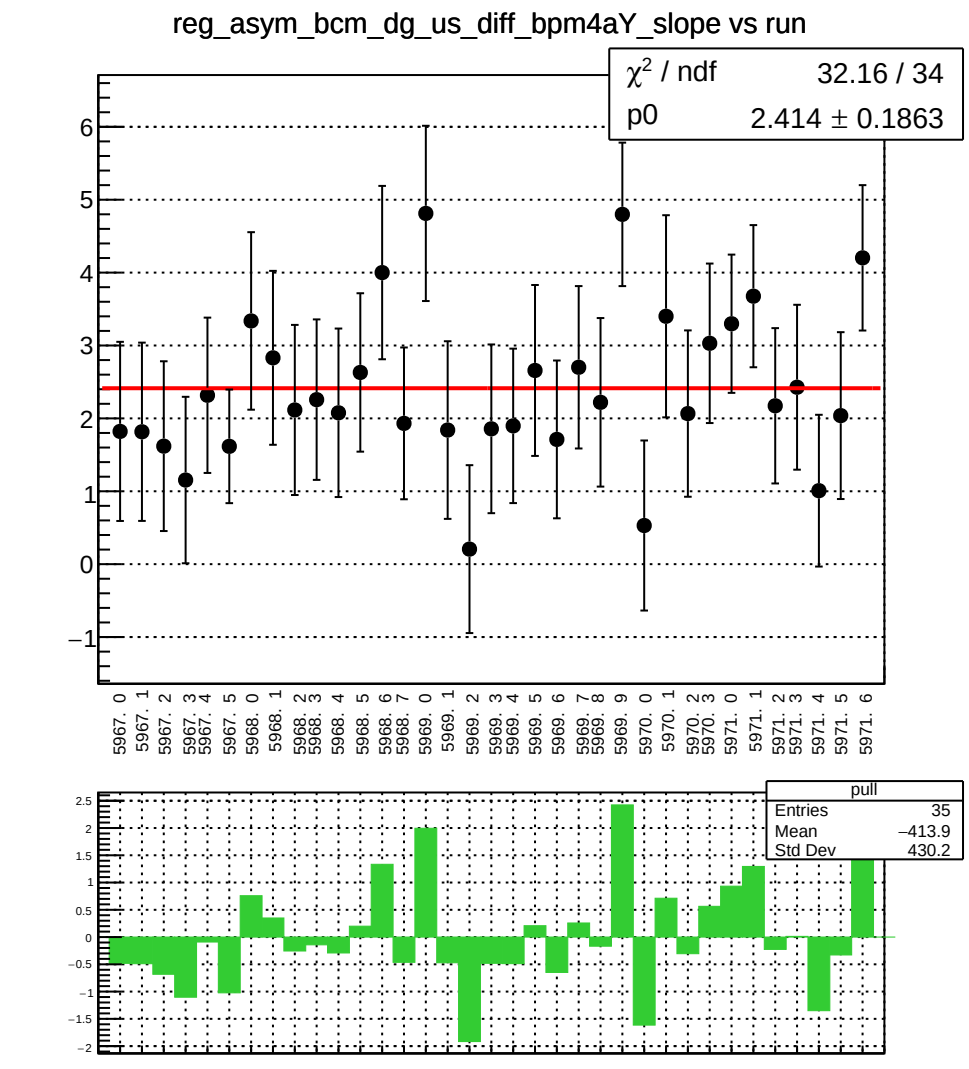

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 36.94 / 34
p0 −3.882 ± 0.2465
pull
Entries 35
Mean −247.2
Std Dev 261.8

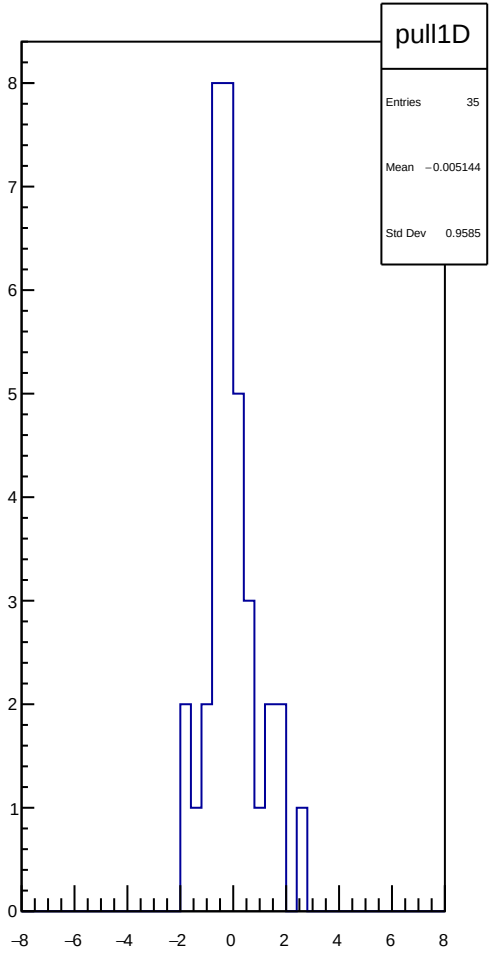

pull1D
Entries 35
Mean 0.006908
Std Dev 1.027

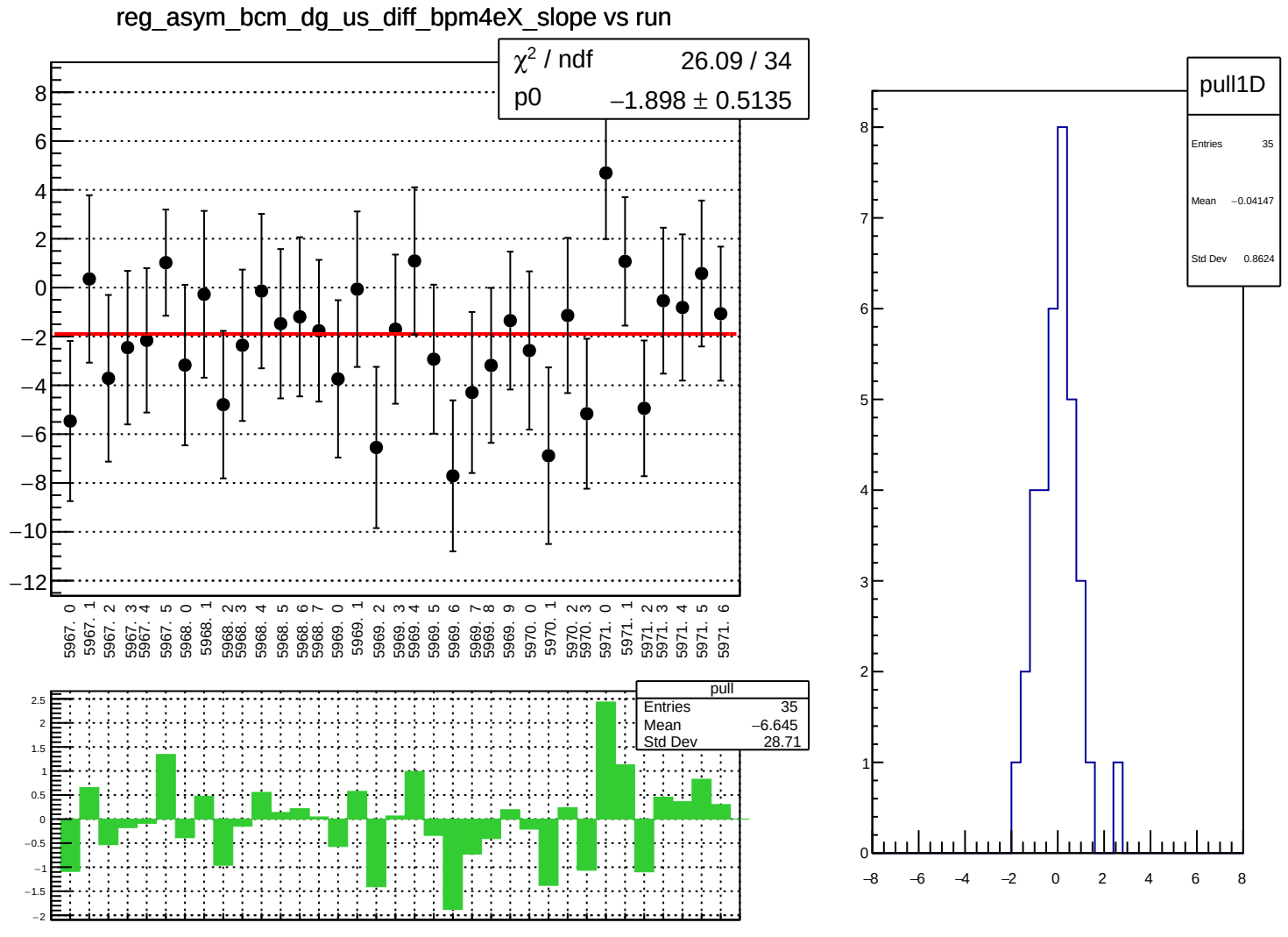

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 39.93 / 34
p0 0.2438 ± 0.022
pull
Entries 35
Mean 178.2
Std Dev 160.6

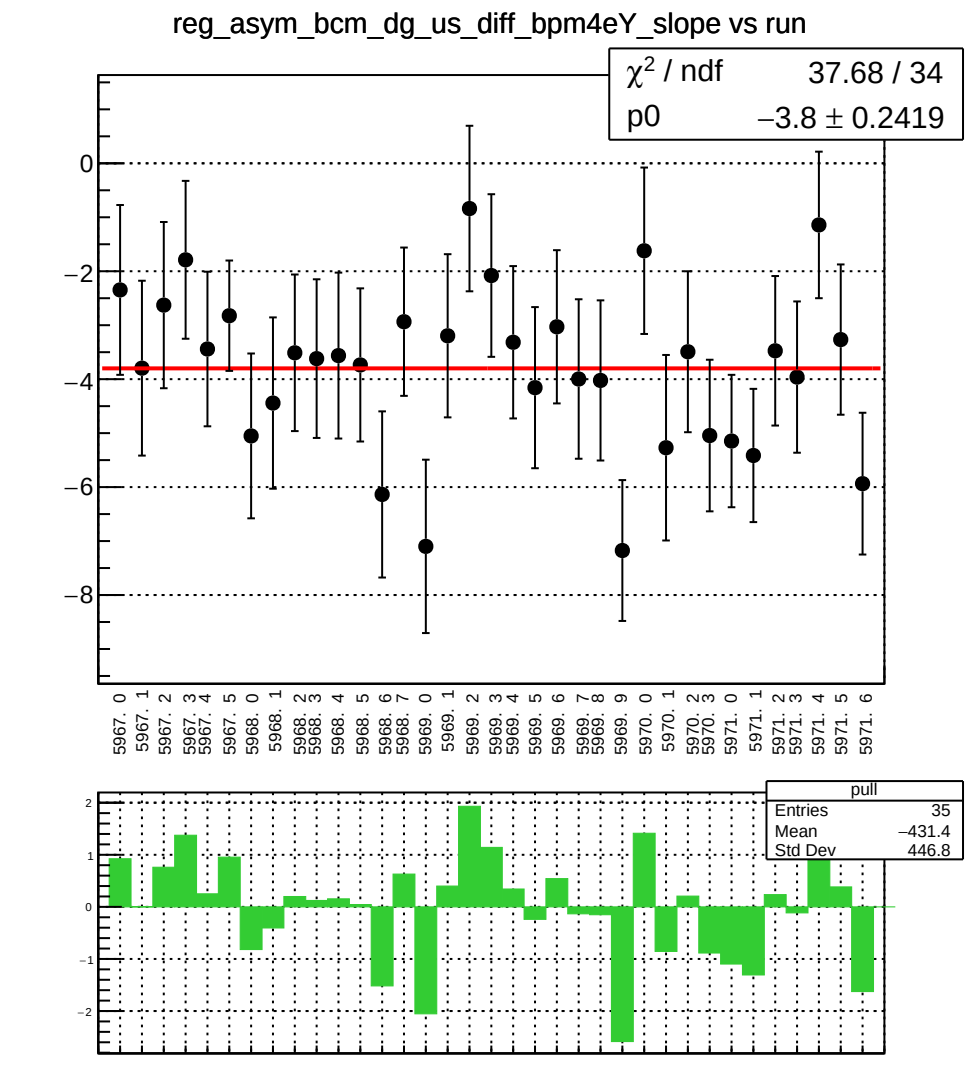

pull1D
Entries 35
Mean 0.01707
Std Dev 1.068

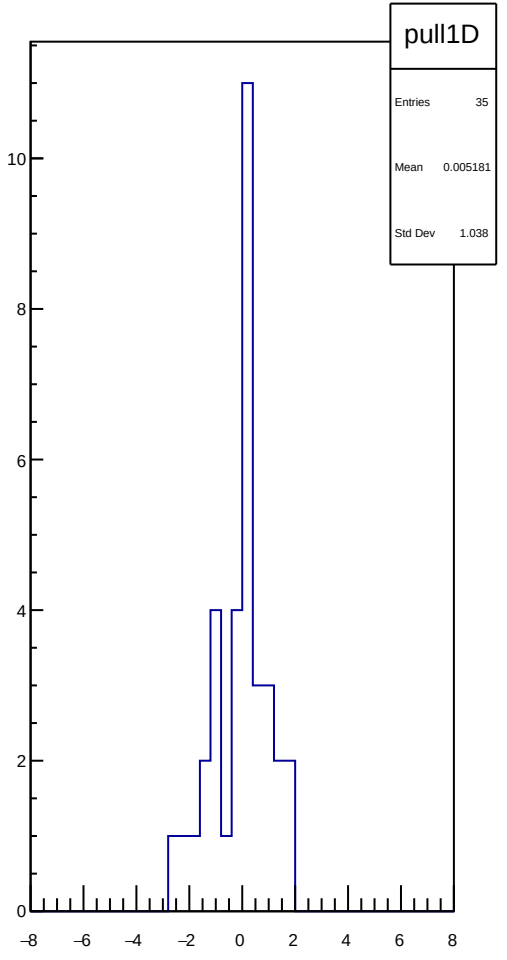

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 26.93 / 34
p0 2.047 ± 0.4825
pull
Entries 35
Mean 1.32
Std Dev 21.75
pull1D
Entries 35
Mean 0.04291
Std Dev 0.8761

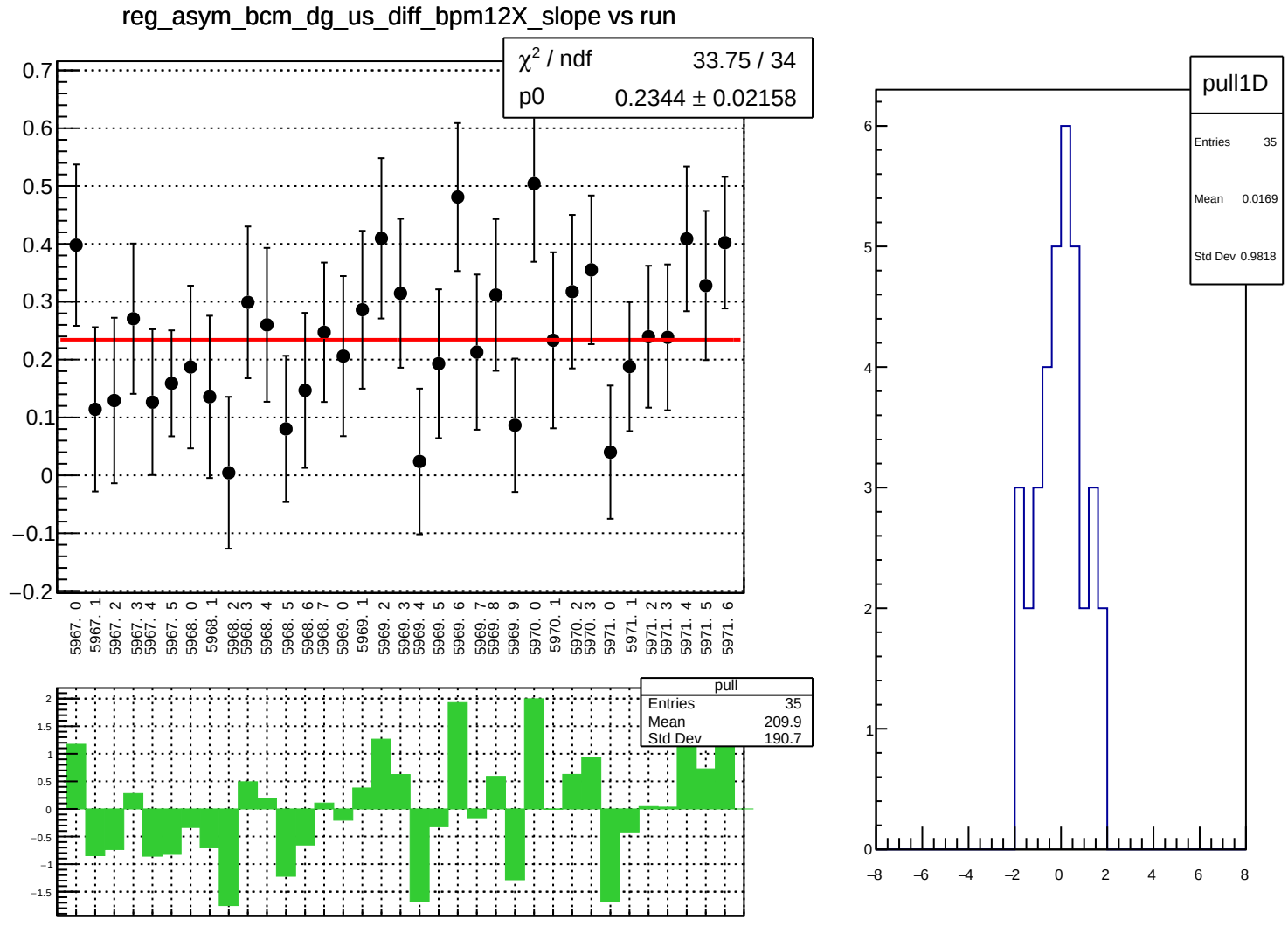

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 32.16 / 34
p0 2.414 ± 0.1863
pull
Entries 35
Mean −413.9
Std Dev 430.2


pull1D
Entries 35
Mean −0.005144
Std Dev 0.9585


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 26.09 / 34
p0 −1.898 ± 0.5135
pull
Entries 35
Mean −6.645
Std Dev 28.71
pull1D
Entries 35
Mean −0.04147
Std Dev 0.8624


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 37.68 / 34
p0 −3.8 ± 0.2419
0
−2
−4
−6
−8
5967. 0
5967. 1
5967. 2
5967. 3
5967. 4
5967. 5
5968. 0
5968. 1
5968. 2
5968. 3
5968. 4
5968. 5
5968. 6
5968. 7
5969. 0
5969. 1
5969. 2
5969. 3
5969. 4
5969. 5
5969. 6
5969. 7
5969. 8
5969. 9
5970. 0
5970. 1
5970. 2
5970. 3
5971. 0
5971. 1
5971. 2
5971. 3
5971. 4
5971. 5
5971. 6
pull
Entries 35
Mean −431.4
Std Dev 446.8
2
1
0
−1
−2


pull1D
Entries 35
Mean 0.005181
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 33.75 / 34
p0 0.2344 ± 0.02158
pull
Entries 35
Mean 209.9
Std Dev 190.7
pull1D
Entries 35
Mean 0.0169
Std Dev 0.9818