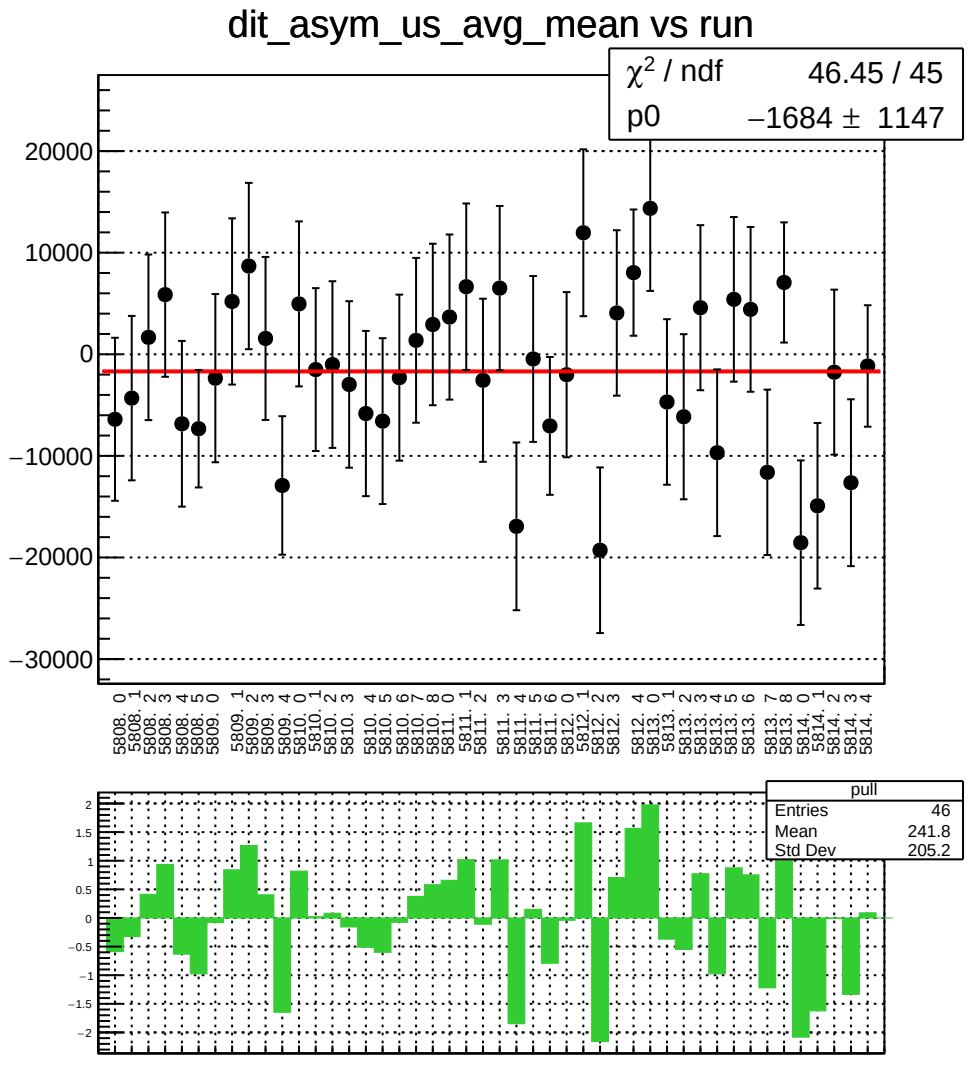
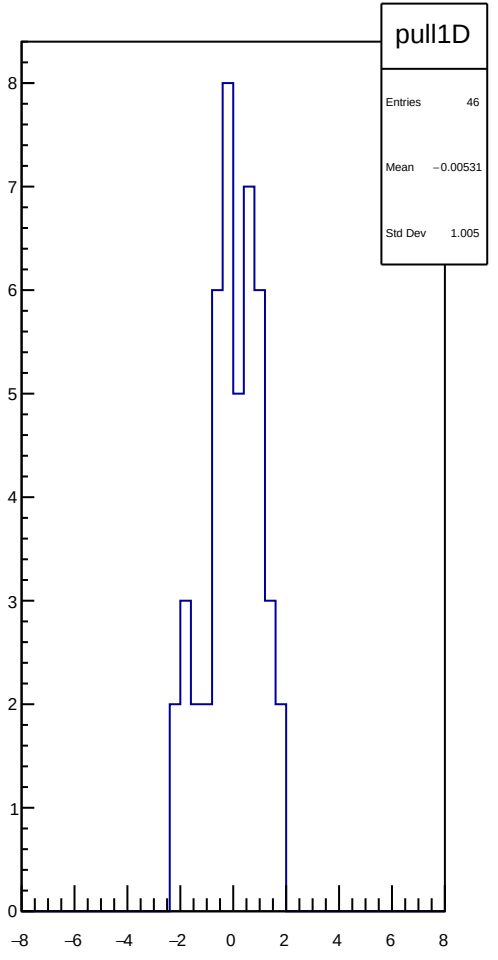
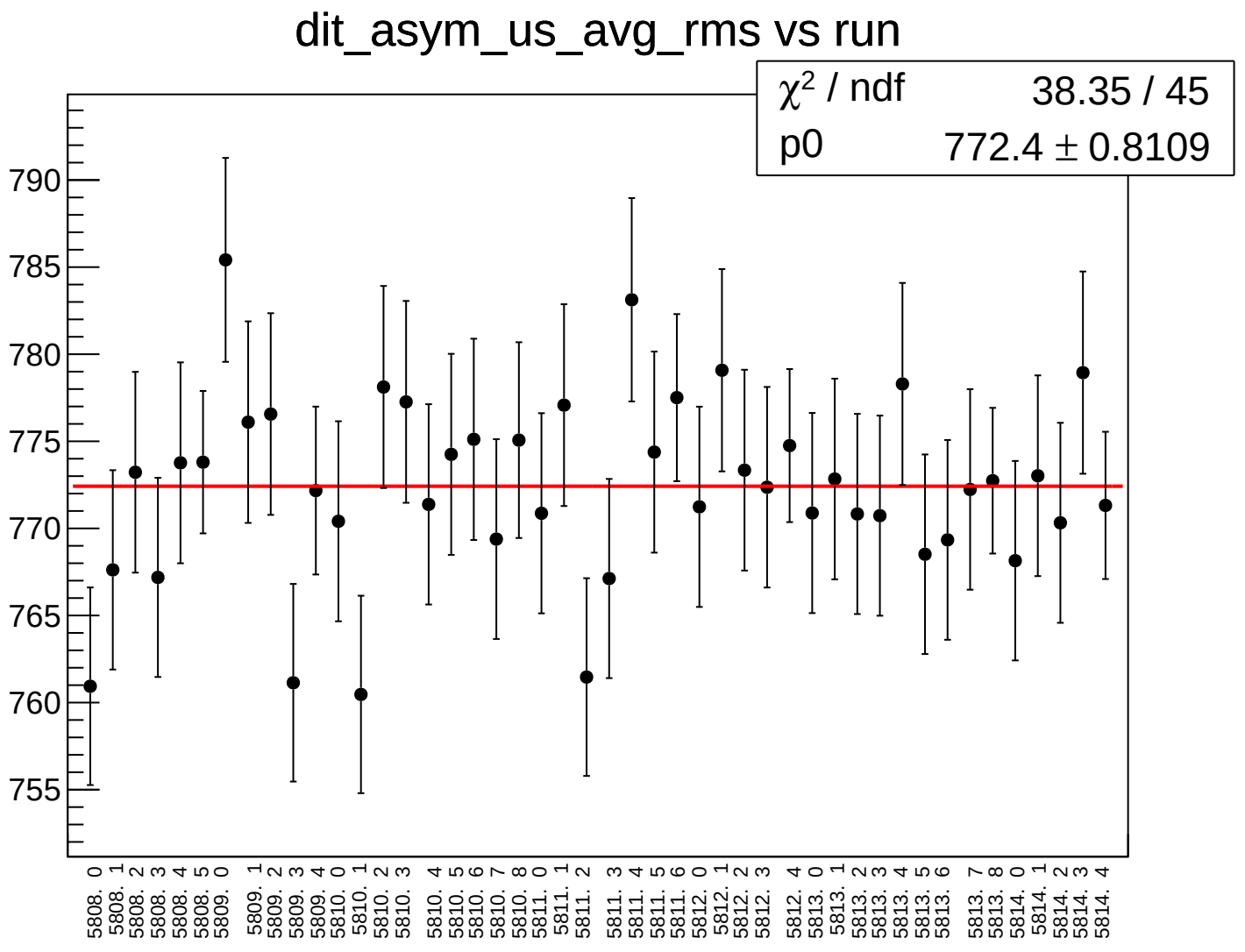
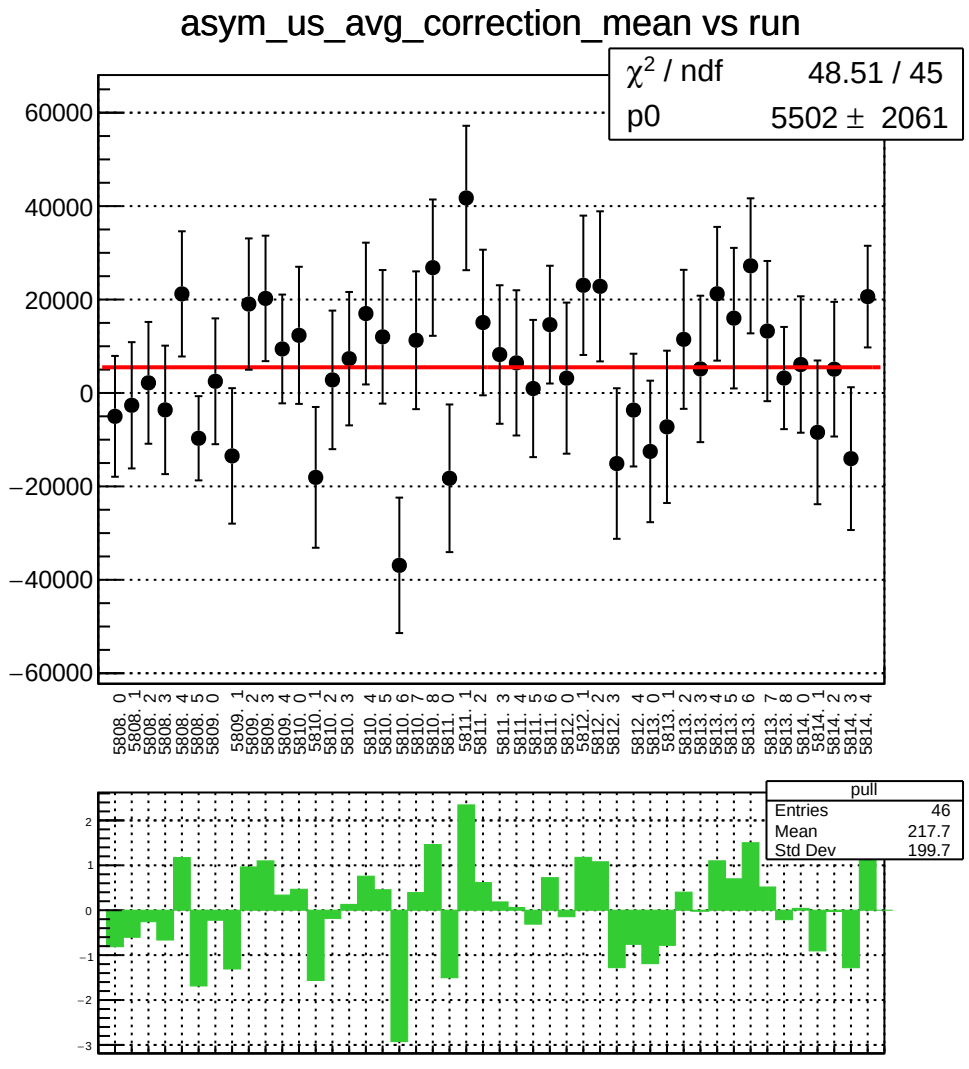
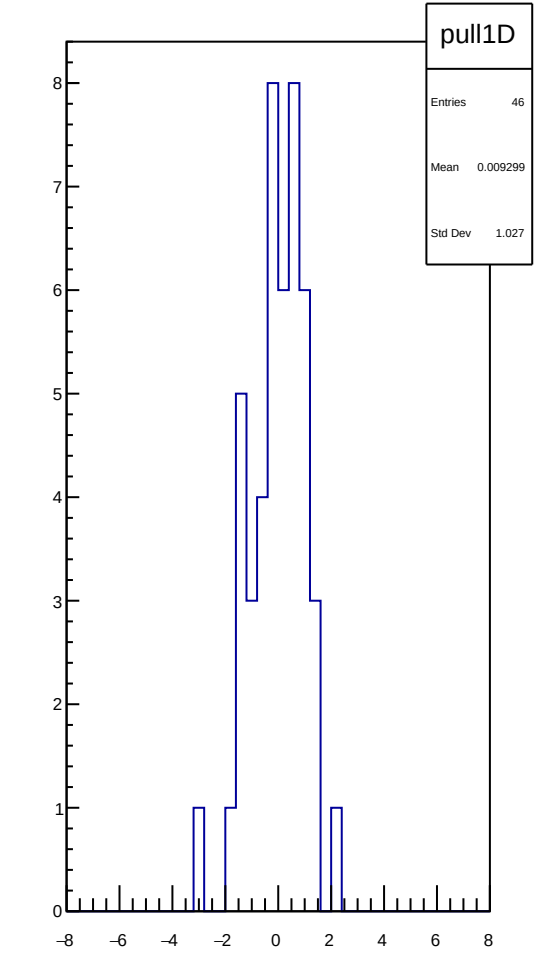
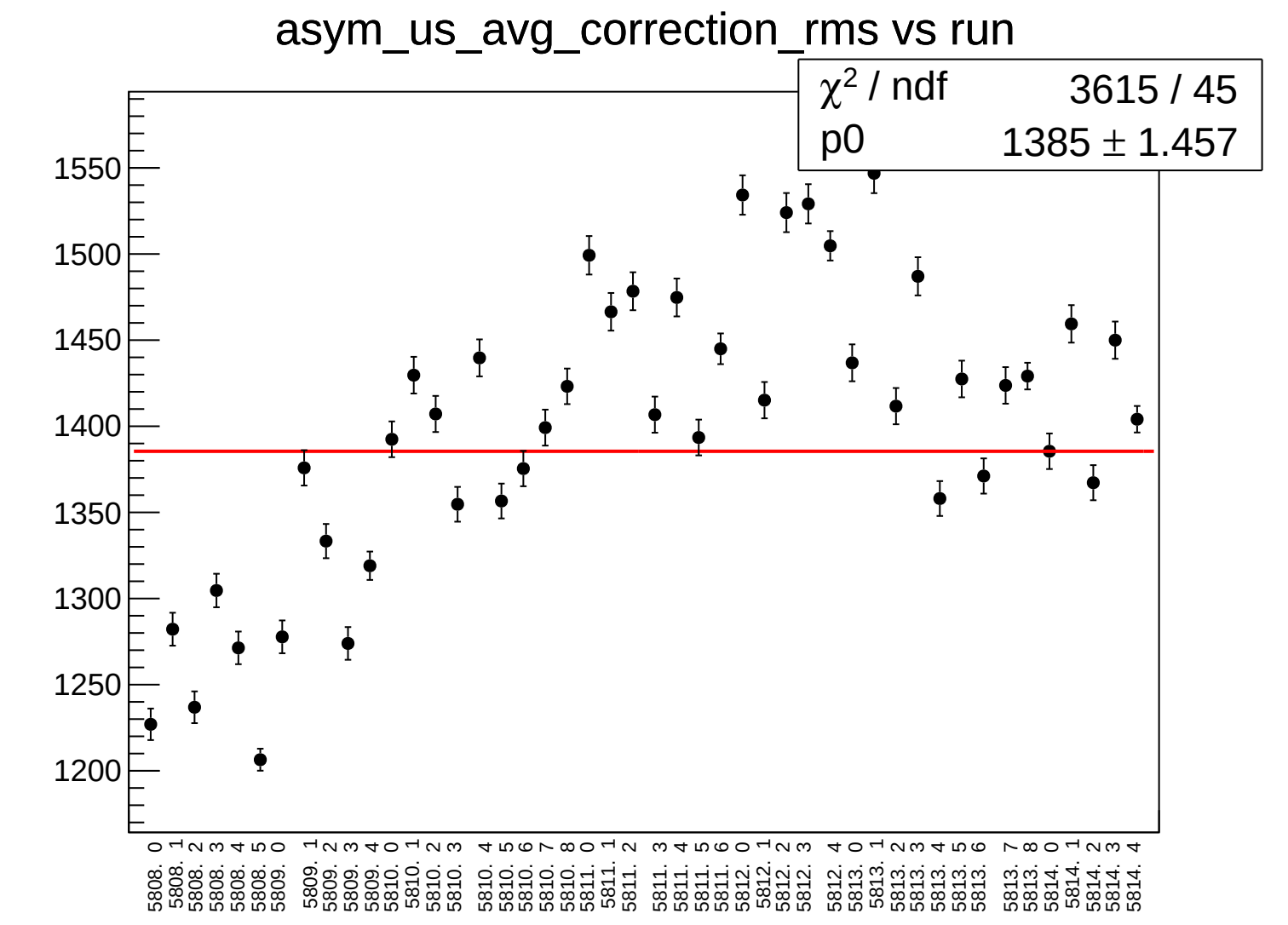

dit_asym_us_avg_mean vs run
χ² / ndf 46.45 / 45
p0 −1684 ± 1147
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 241.8
Std Dev 205.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

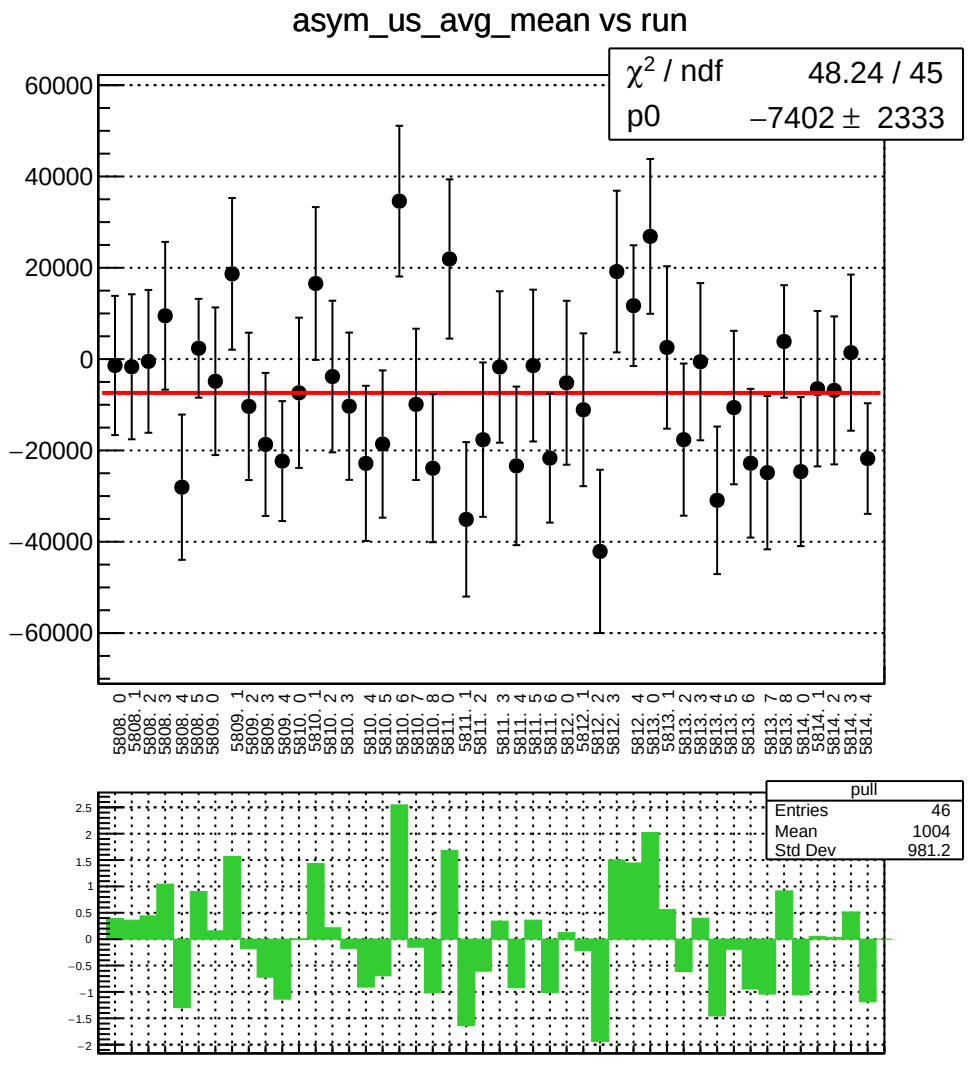

pull1D
Entries 46
Mean −0.00531
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

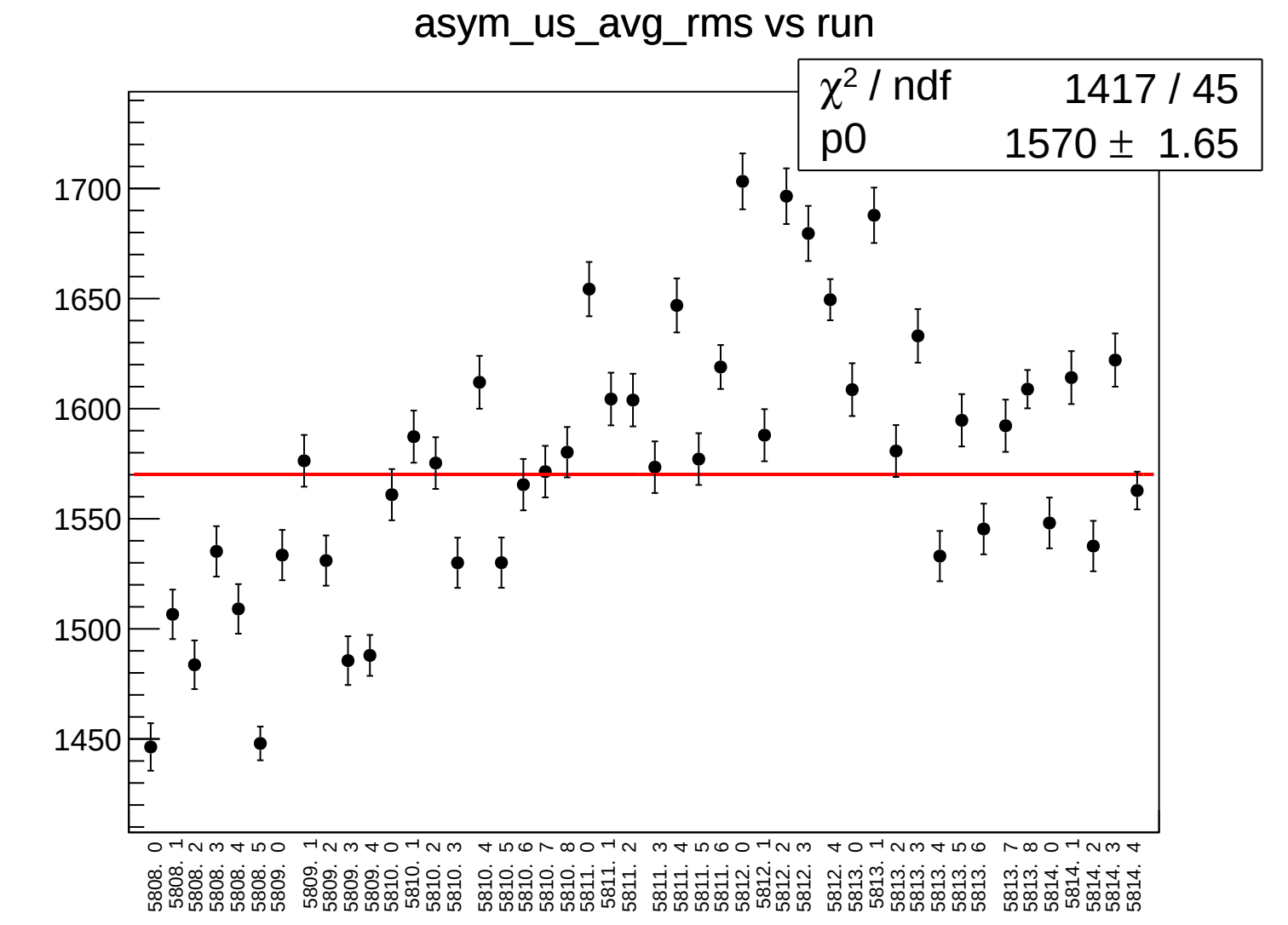

dit_asym_us_avg_rms vs run
χ² / ndf 38.35 / 45
p0 772.4 ± 0.8109
790
785
780
775
770
765
760
755
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

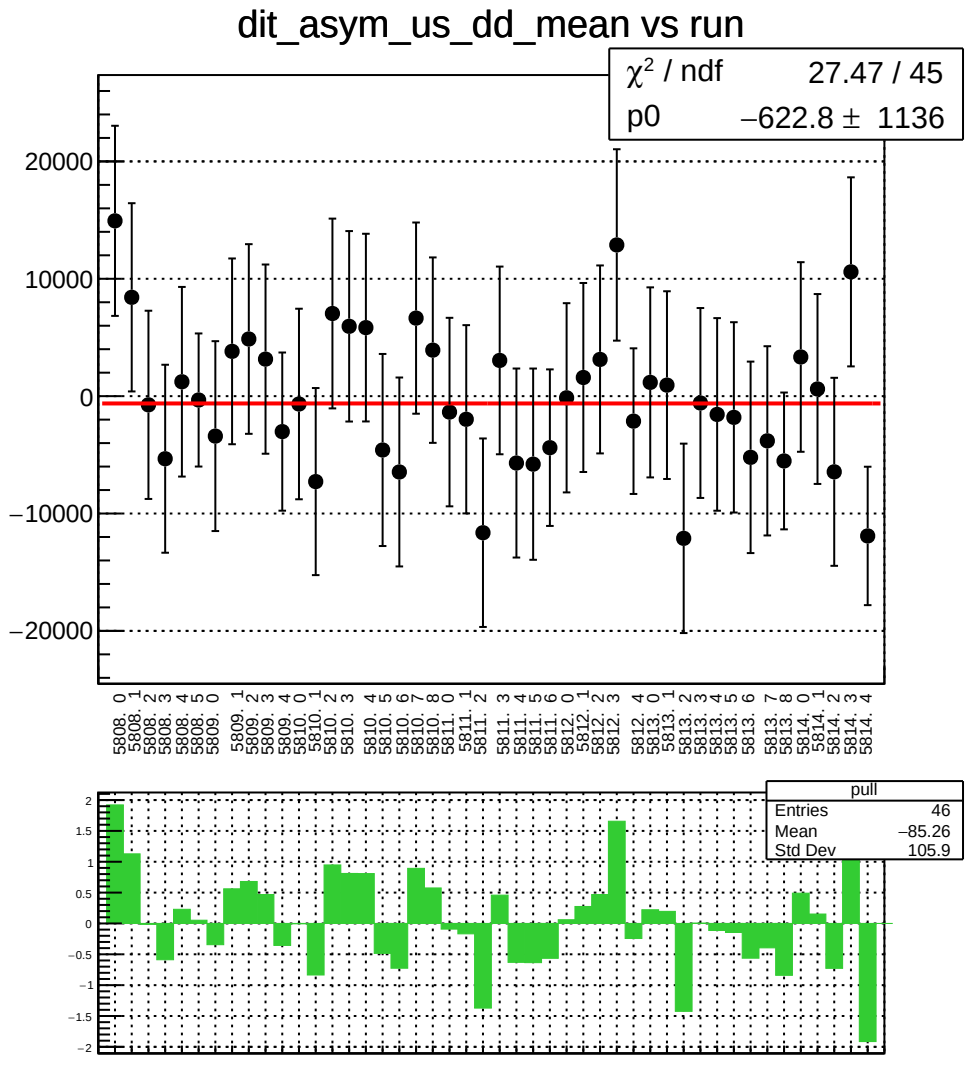

asym_us_avg_correction_mean vs run
χ² / ndf 48.51 / 45
p0 5502 ± 2061
pull
Entries 46
Mean 217.7
Std Dev 199.7

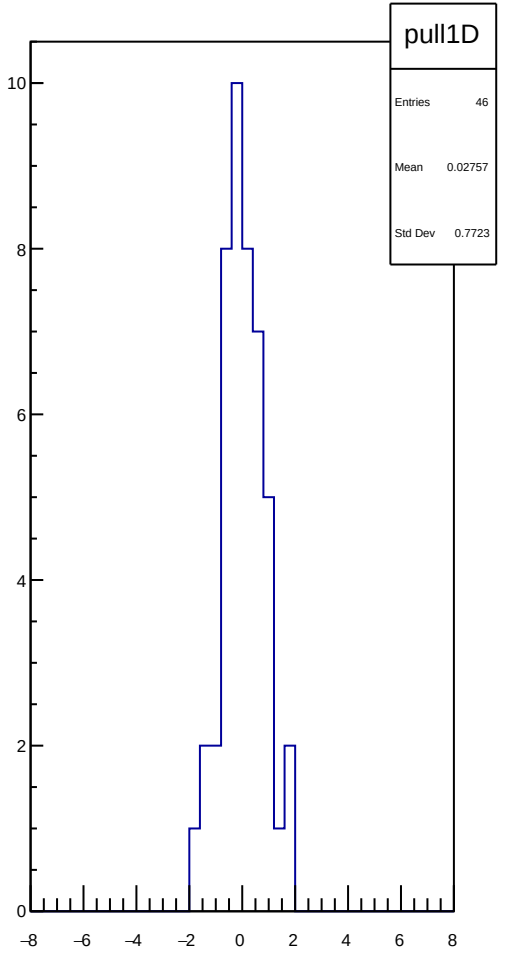

pull1D
Entries 46
Mean 0.009299
Std Dev 1.027

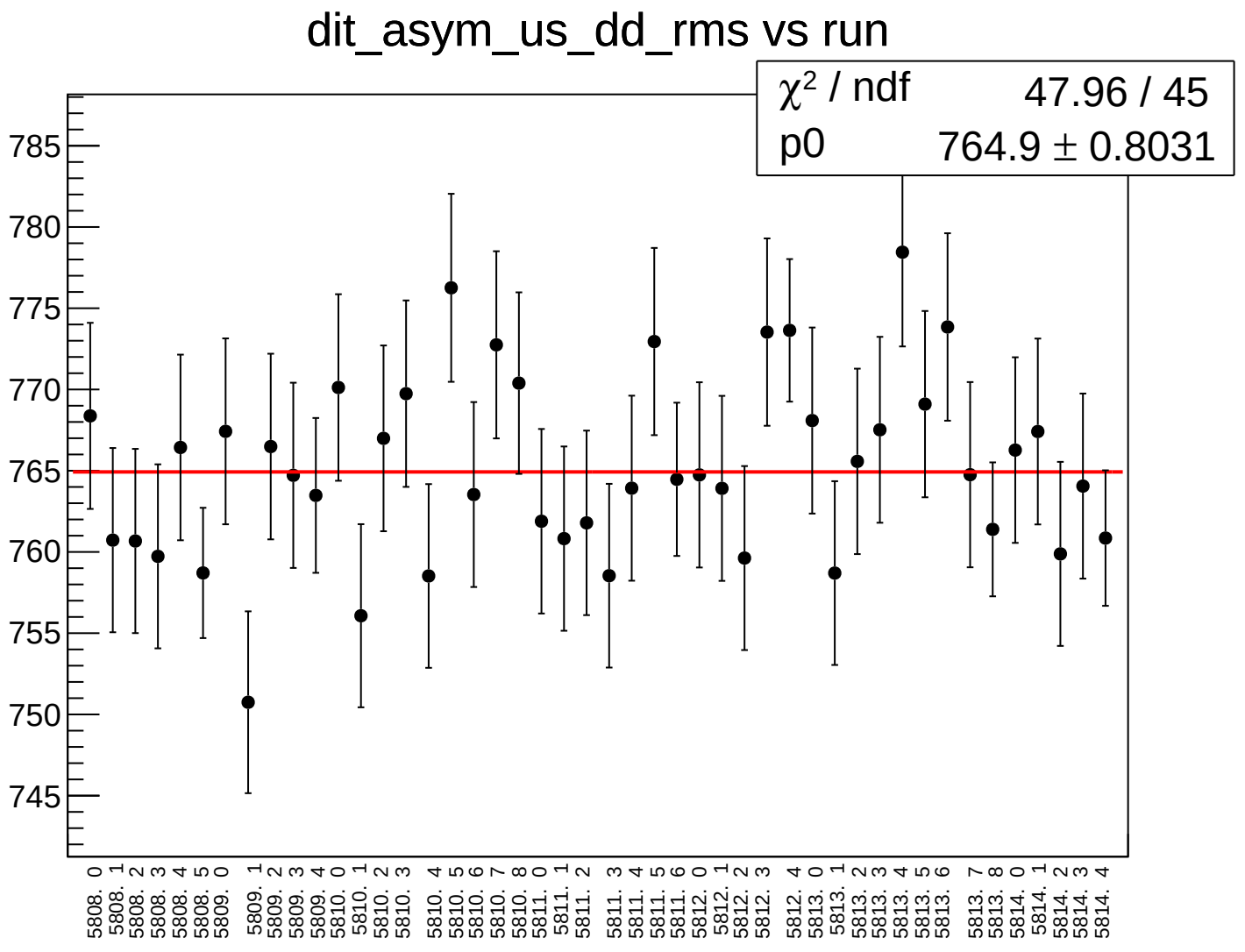

asym_us_avg_correction_rms vs run
χ² / ndf 3615 / 45
p0 1385 ± 1.457
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

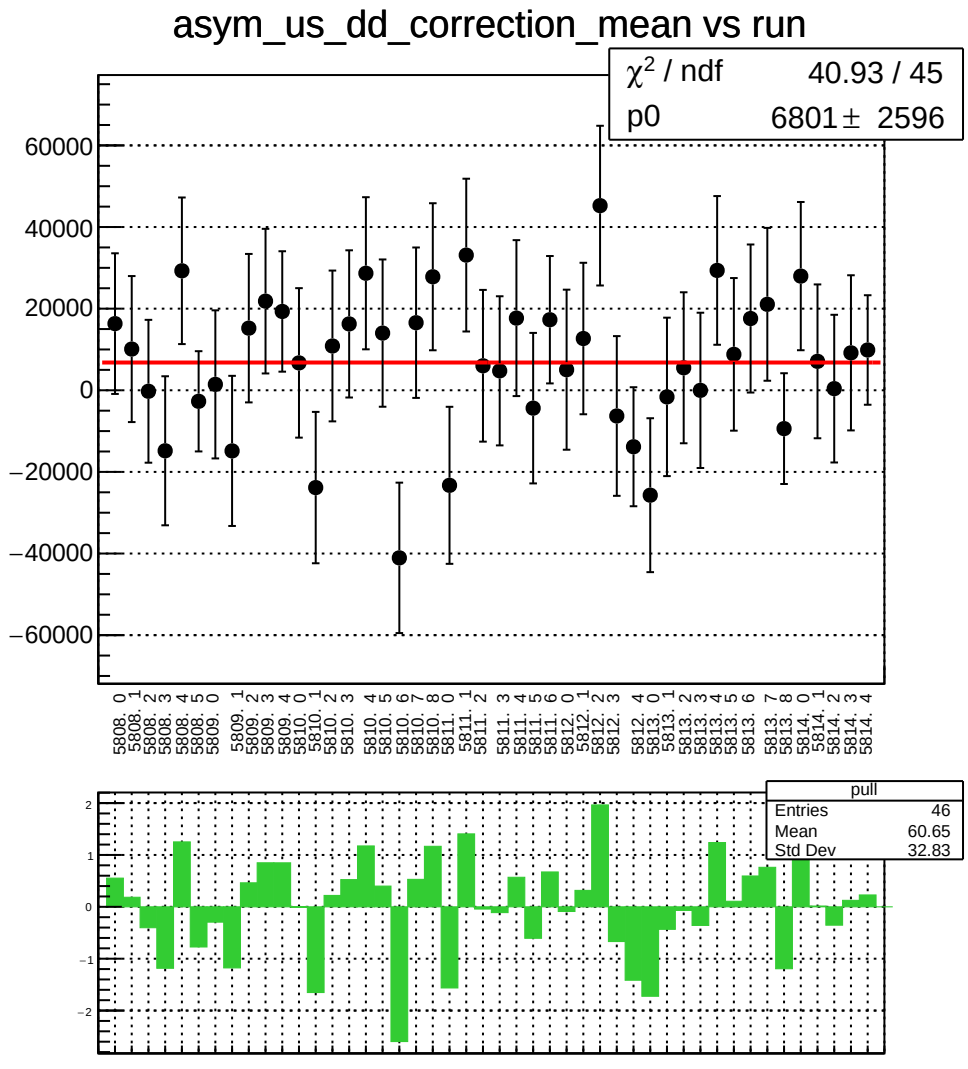

asym_us_avg_mean vs run
χ² / ndf 48.24 / 45
p0 −7402 ± 2333
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1004
Std Dev 981.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.002124
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

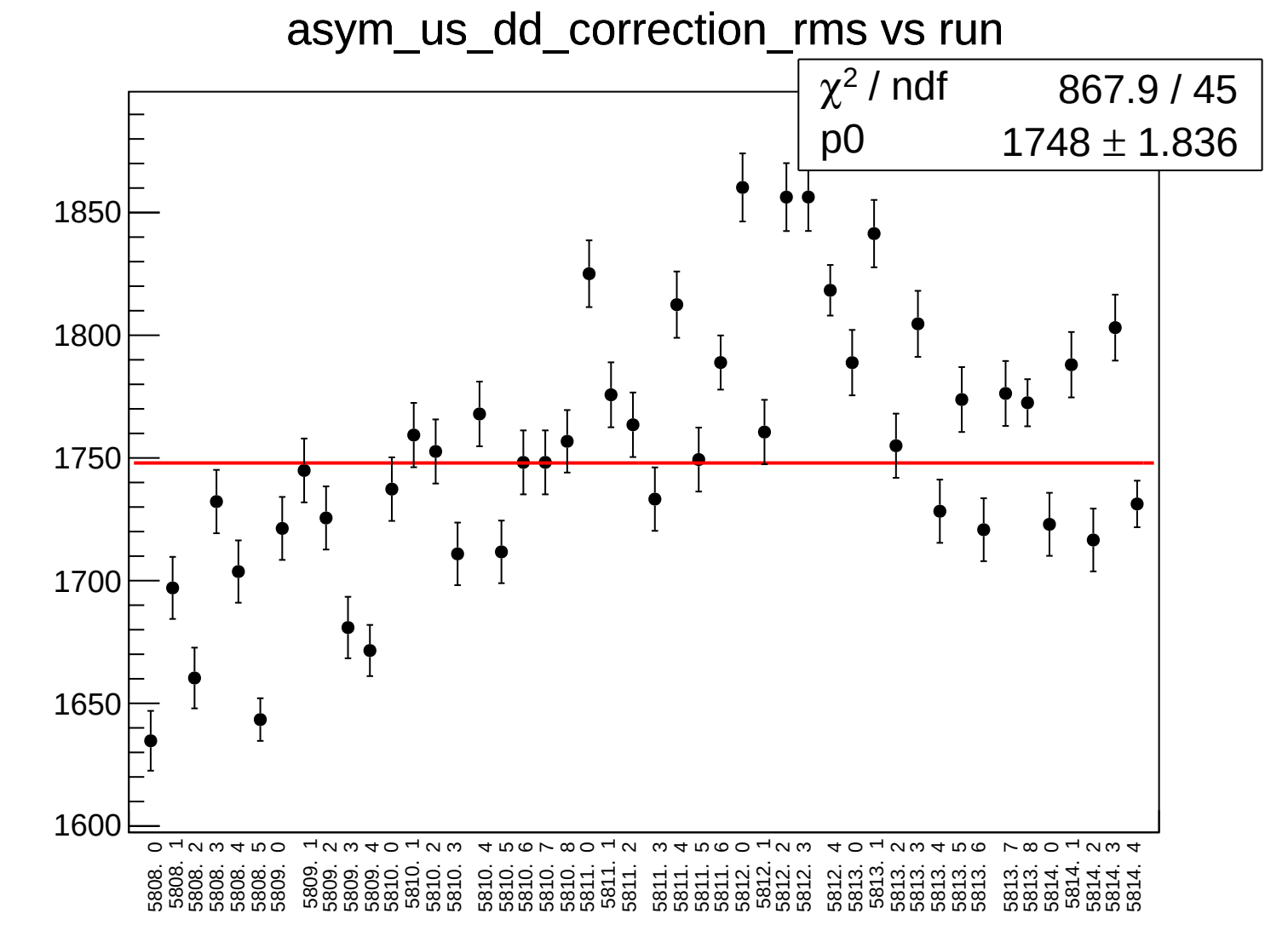

asym_us_avg_rms vs run
χ² / ndf 1417 / 45
p0 1570 ± 1.65
1700
1650
1600
1550
1500
1450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

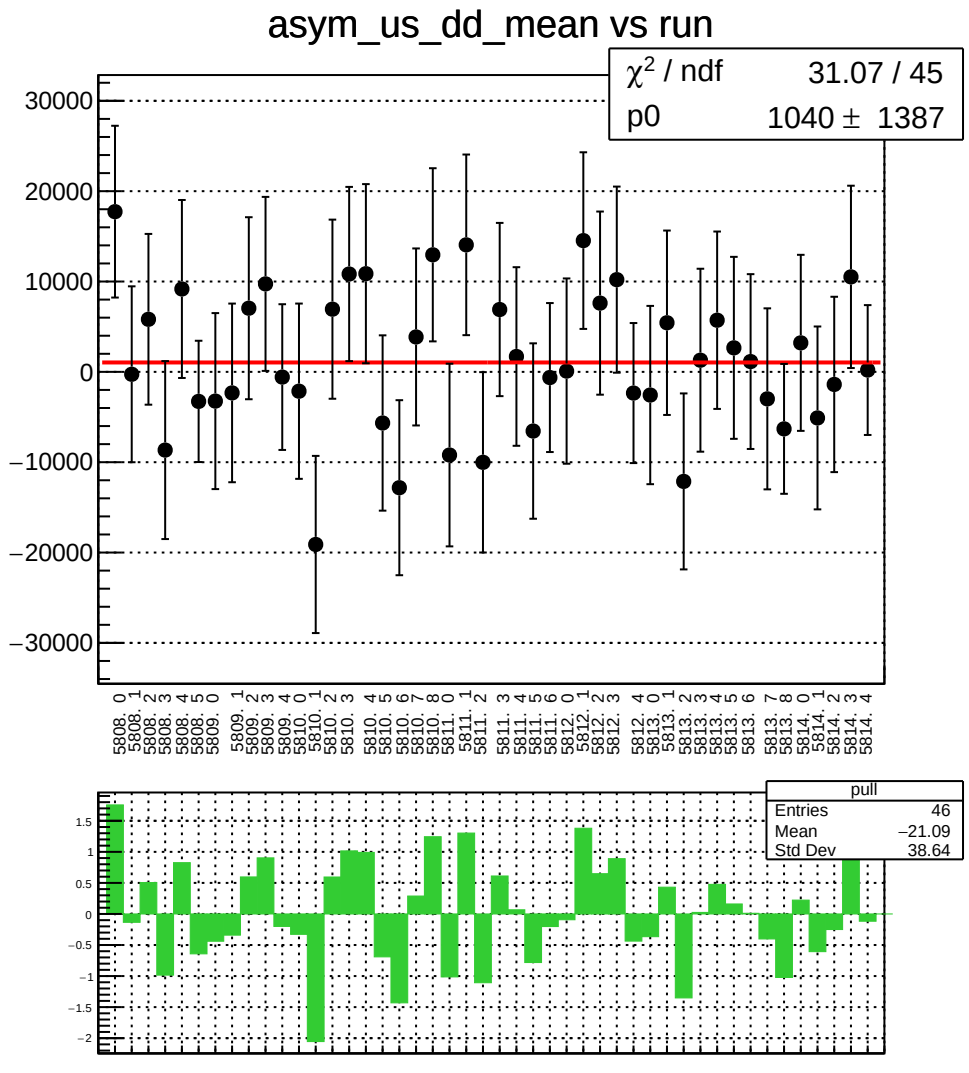

dit_asym_us_dd_mean vs run
χ² / ndf 27.47 / 45
p0 −622.8 ± 1136
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −85.26
Std Dev 105.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

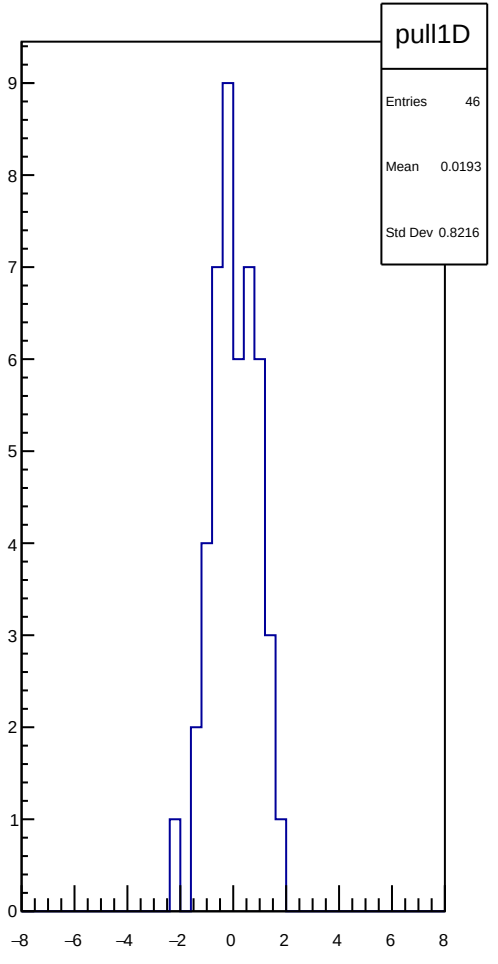

pull1D
Entries 46
Mean 0.02757
Std Dev 0.7723
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

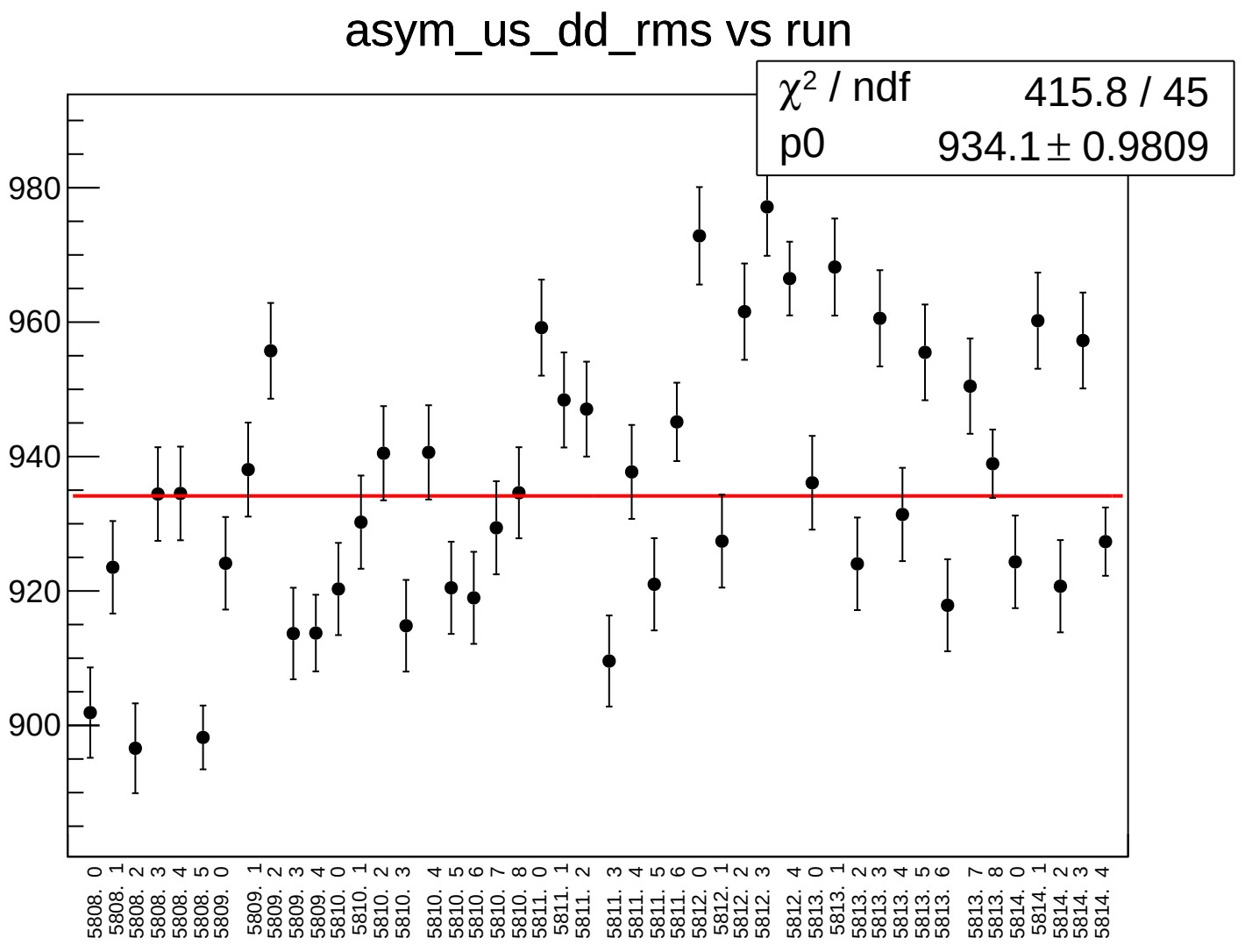

dit_asym_us_dd_rms vs run
χ² / ndf 47.96 / 45
p0 764.9 ± 0.8031
785
780
775
770
765
760
755
750
745
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

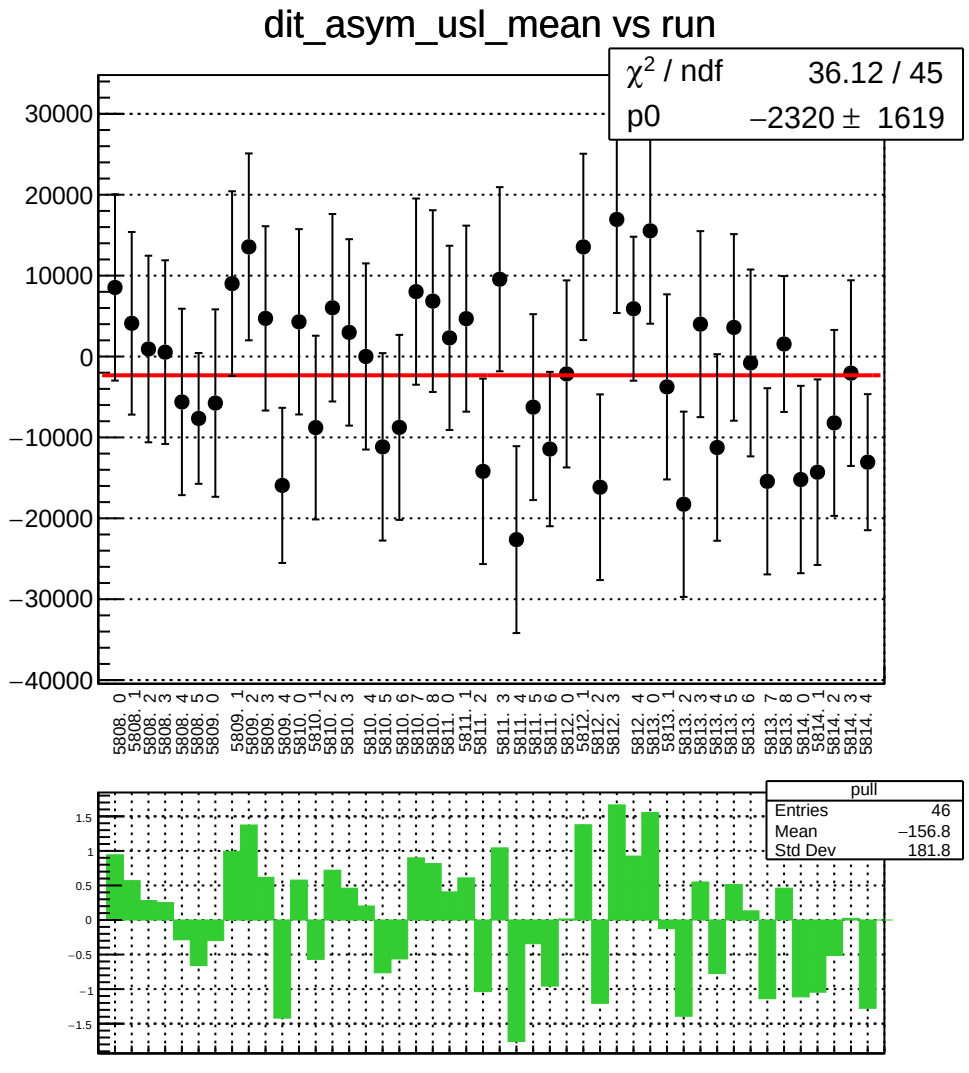

asym_us_dd_correction_mean vs run
χ² / ndf 40.93 / 45
p0 6801 ± 2596
pull
Entries 46
Mean 60.65
Std Dev 32.83
pull1D
Entries 46
Mean 0.01321
Std Dev 0.9431

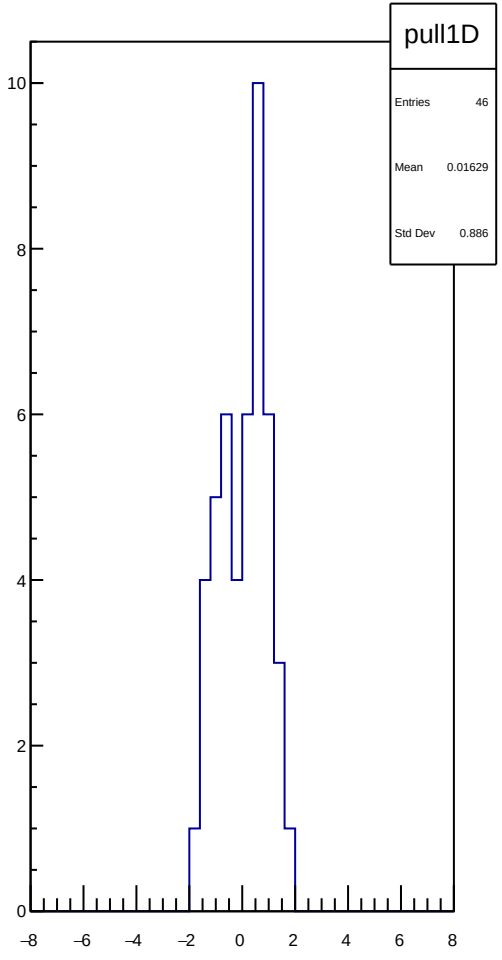

asym_us_dd_correction_rms vs run
χ² / ndf 867.9 / 45
p0 1748 ± 1.836
1850
1800
1750
1700
1650
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

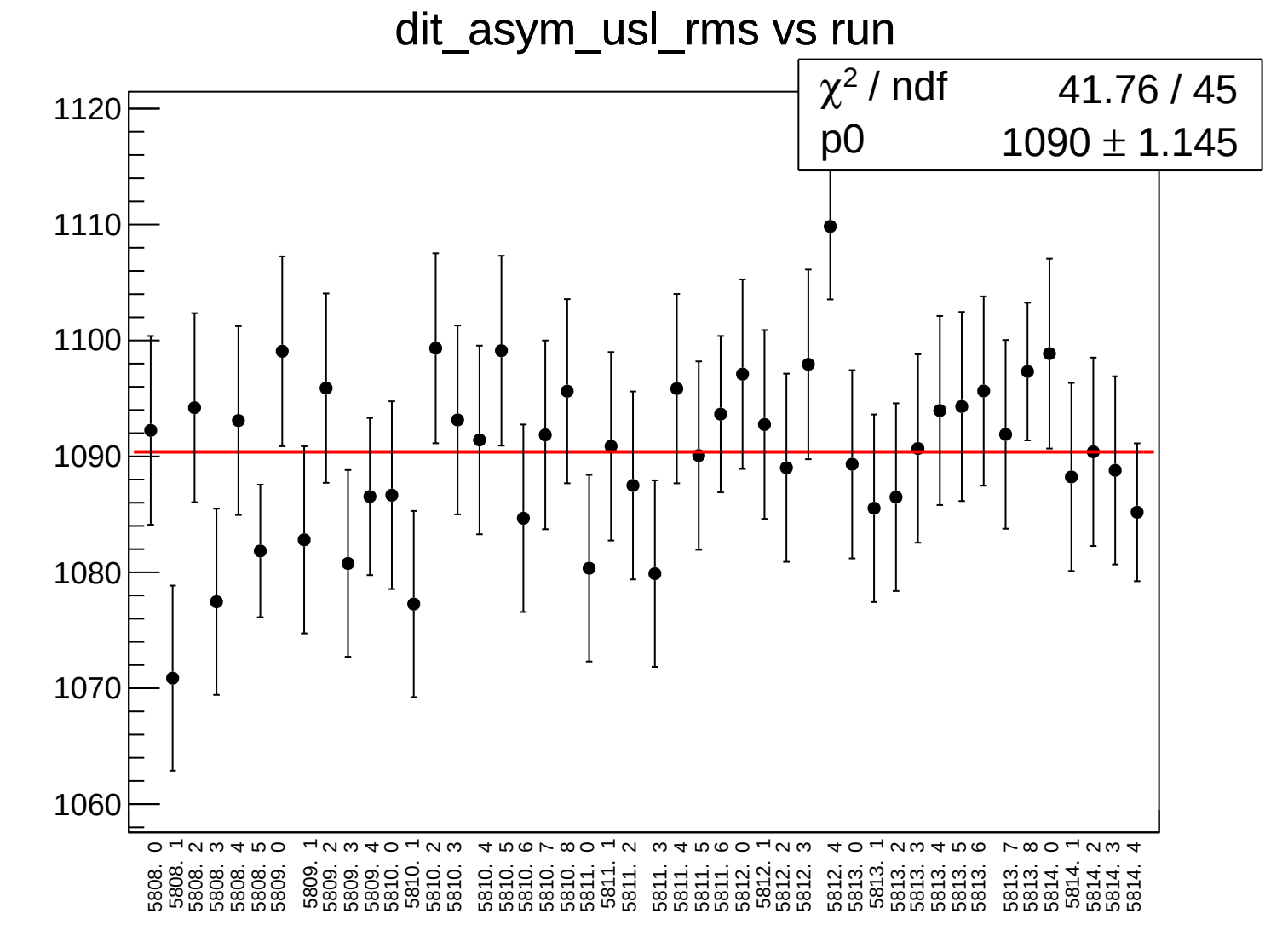

asym_us_dd_mean vs run
χ² / ndf 31.07 / 45
p0 1040 ± 1387
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −21.09
Std Dev 38.64
1.5
1
0.5
0
−0.5
−1
−1.5
−2

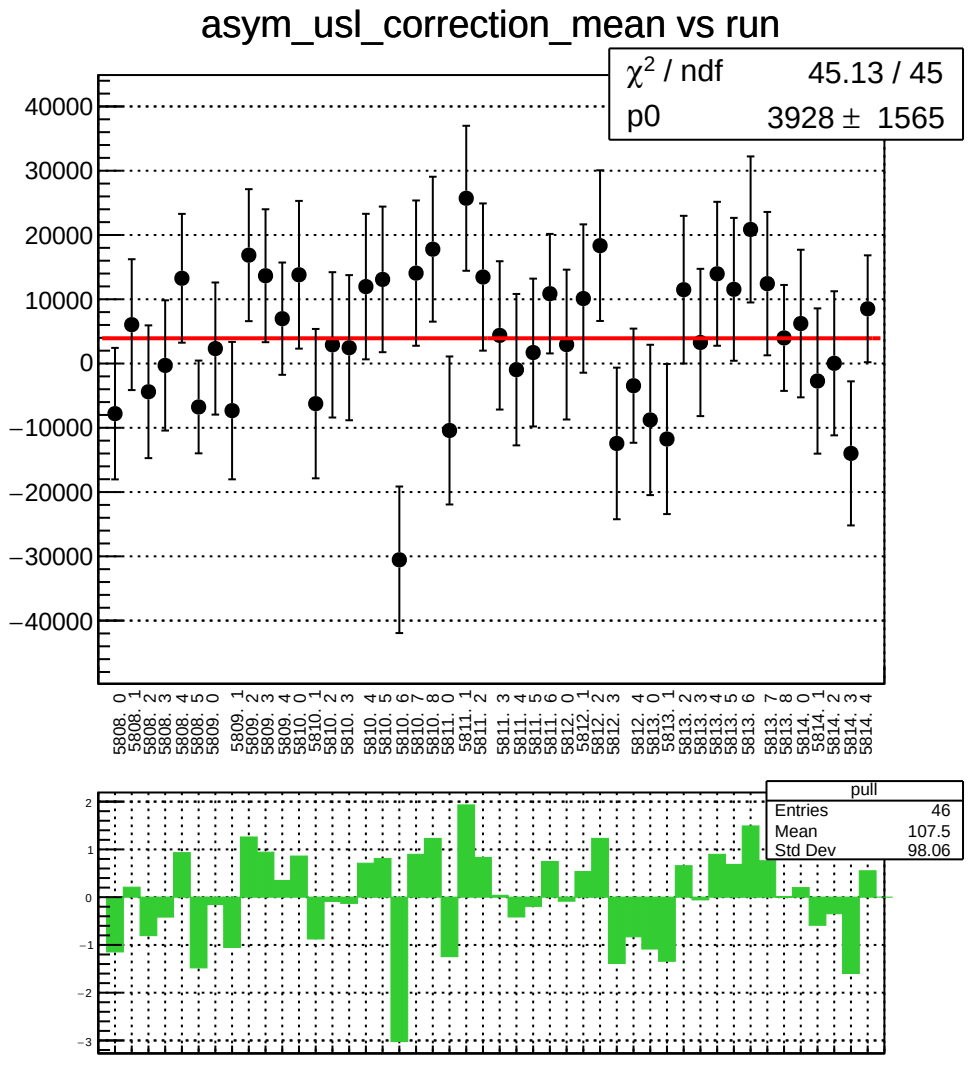

pull1D
Entries 46
Mean 0.0193
Std Dev 0.8216
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

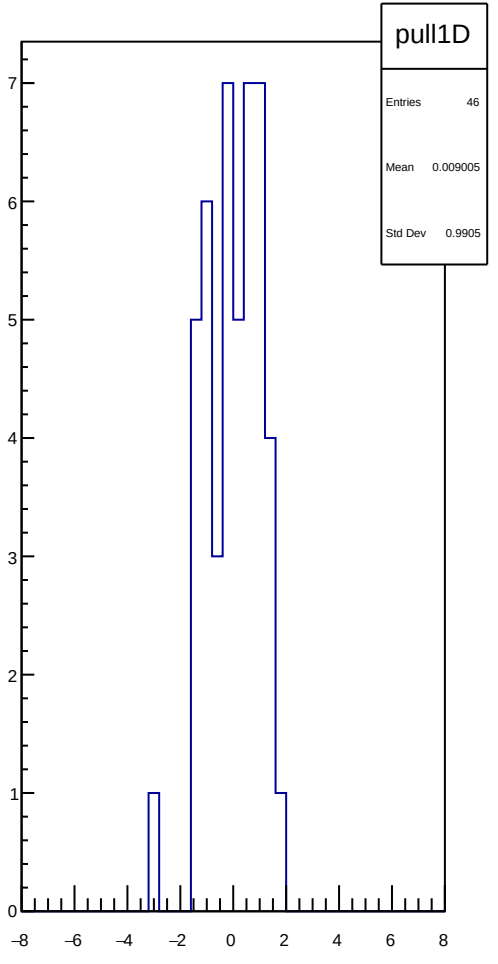

asym_us_dd_rms vs run
χ² / ndf 415.8 / 45
p0 934.1 ± 0.9809
980
960
940
920
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

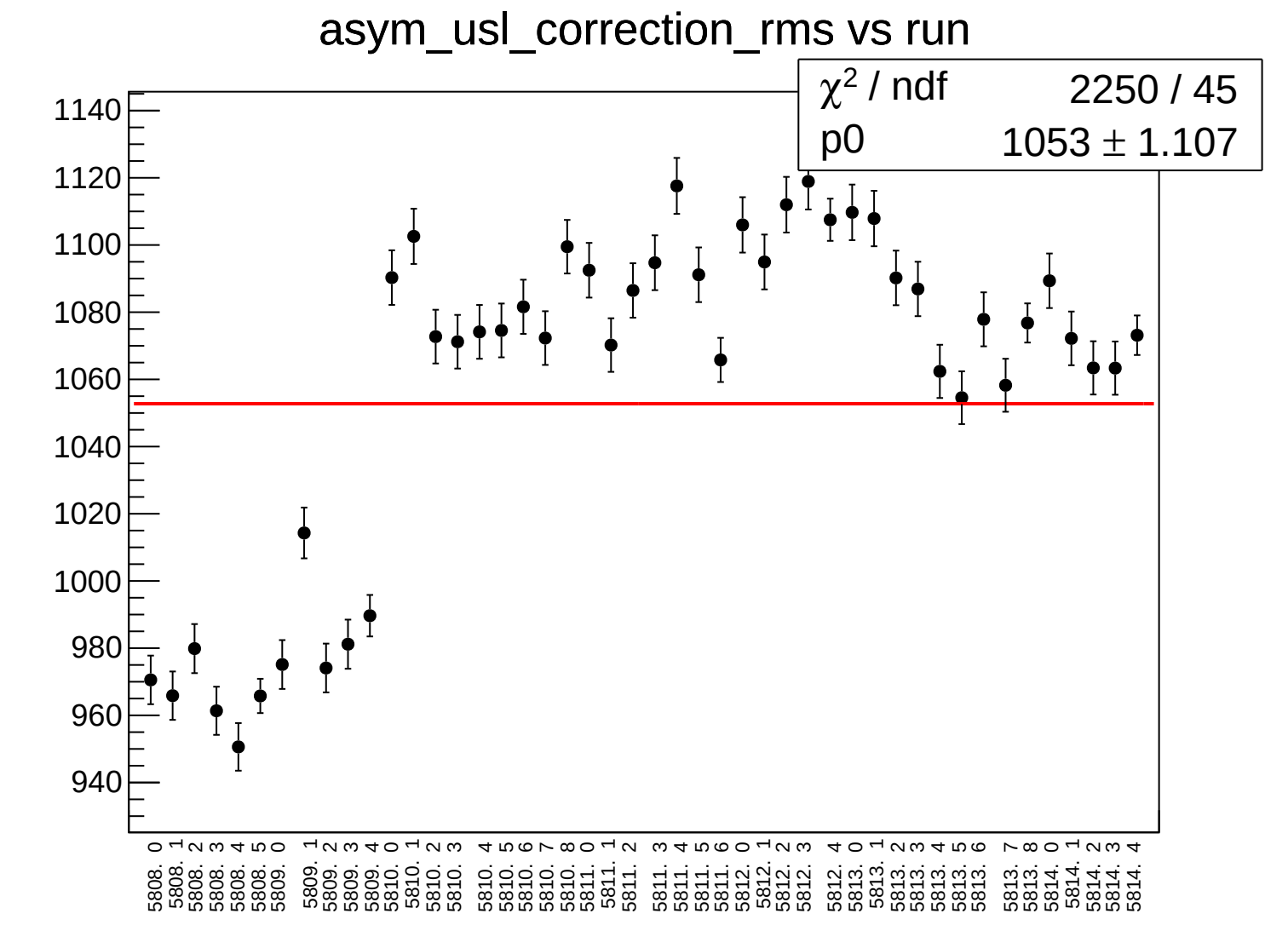

dit_asym_usl_mean vs run
χ² / ndf 36.12 / 45
p0 −2320 ± 1619
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −156.8
Std Dev 181.8
1.5
1
0.5
0
−0.5
−1
−1.5

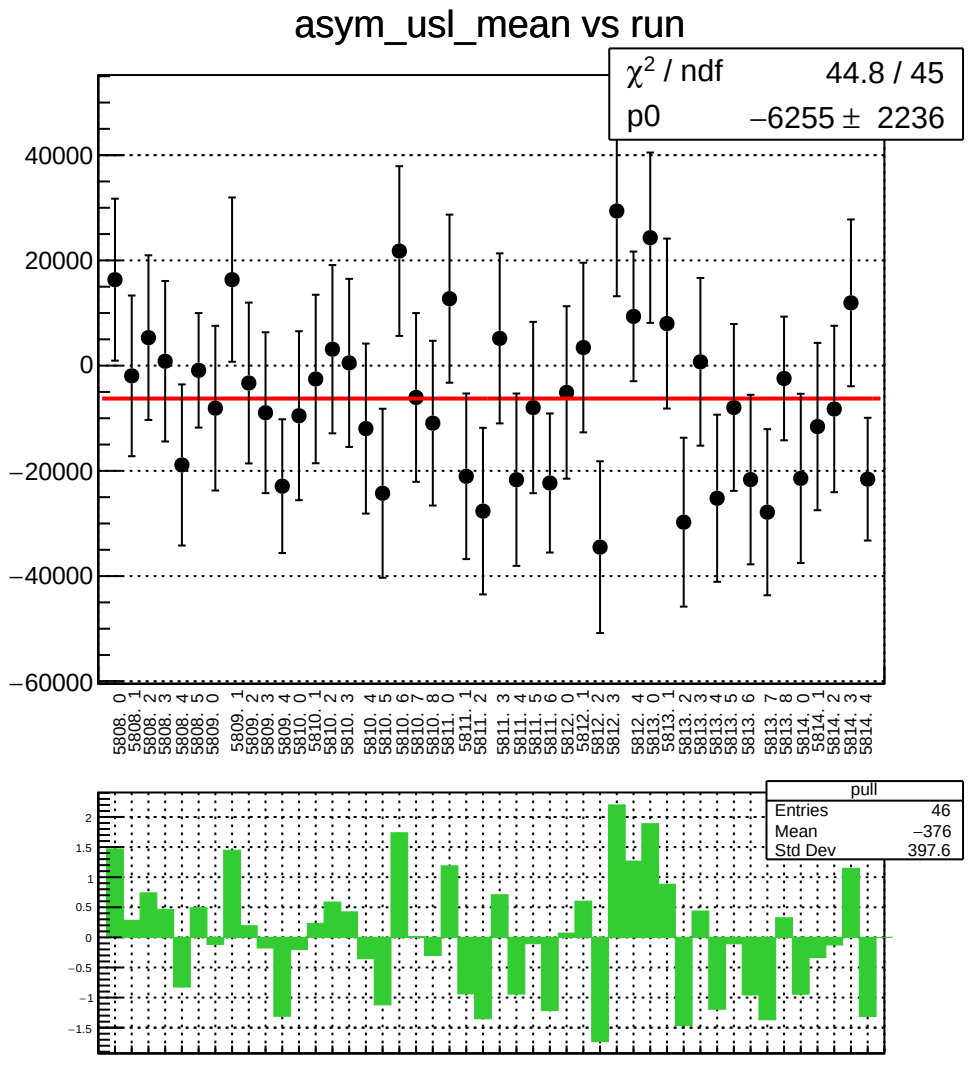

pull1D
Entries 46
Mean 0.01629
Std Dev 0.886
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

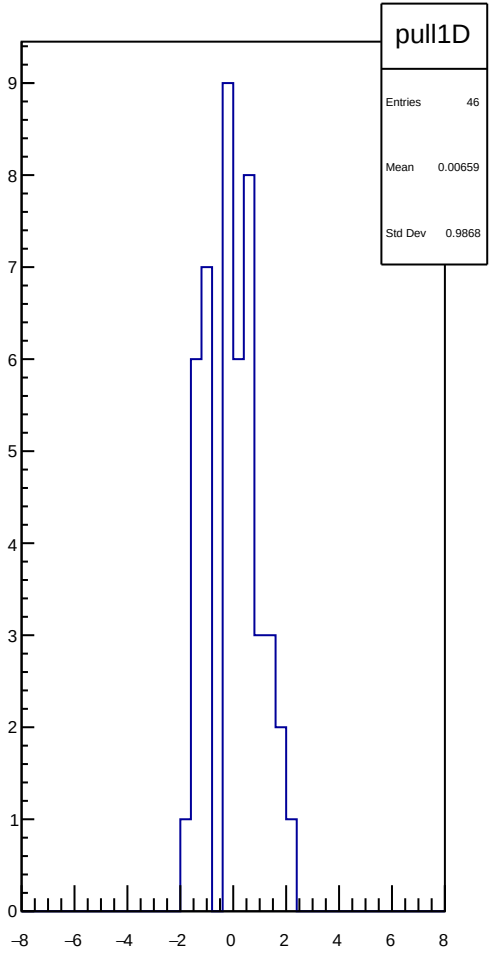

dit_asym_usl_rms vs run
χ^2 / ndf 41.76 / 45
p0 1090 ± 1.145
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

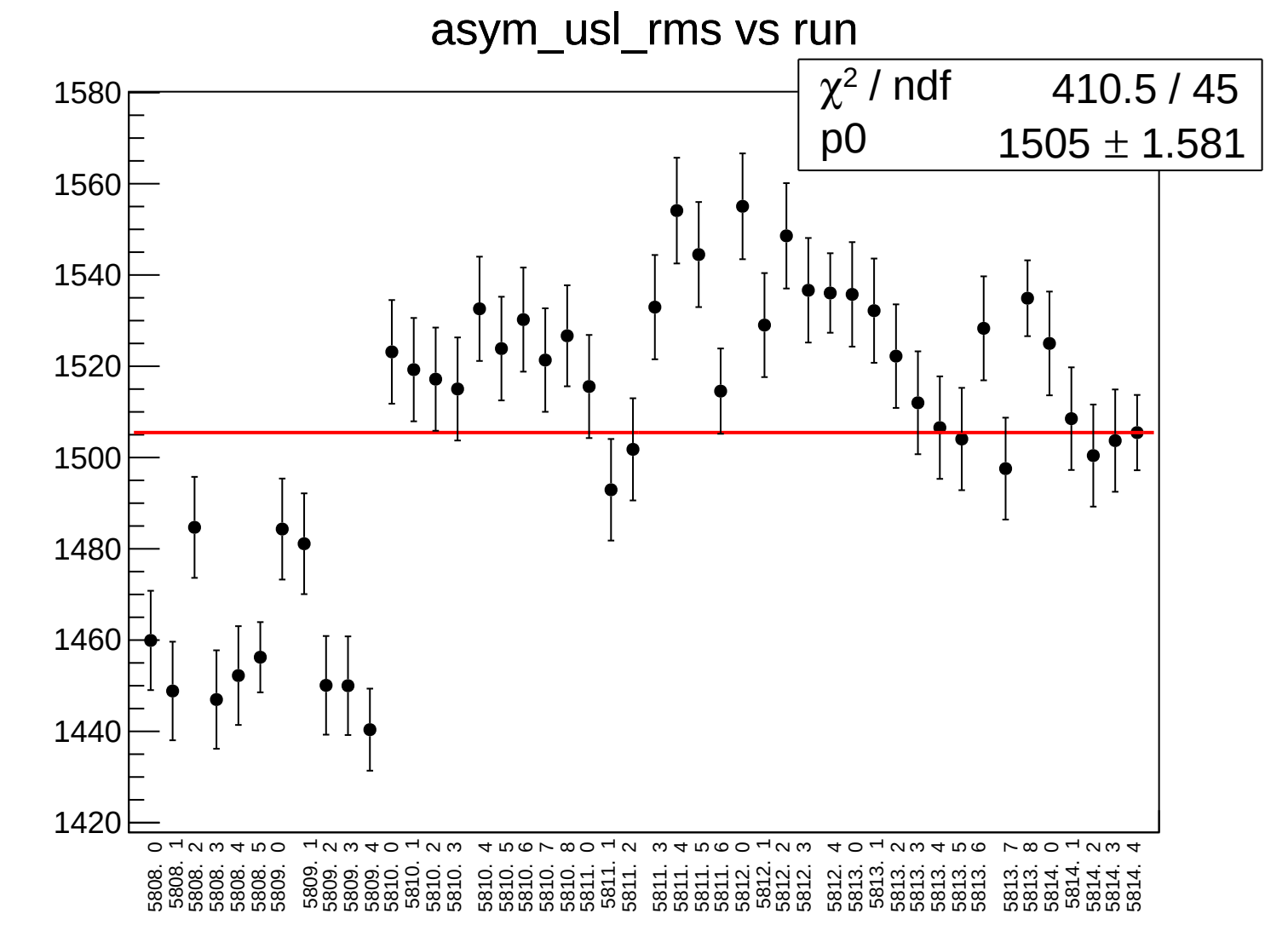

asym_usl_correction_mean vs run
χ² / ndf 45.13 / 45
p0 3928 ± 1565
pull
Entries 46
Mean 107.5
Std Dev 98.06

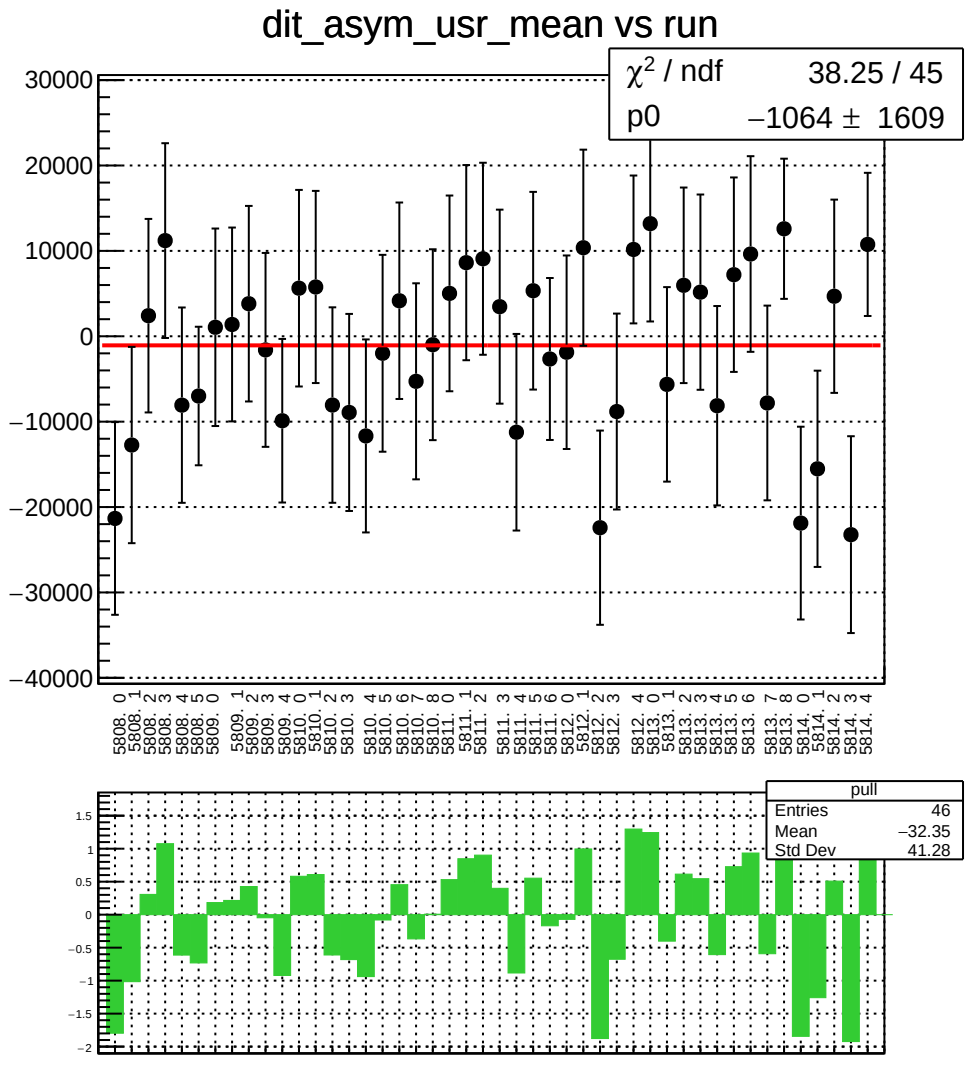

pull1D
Entries 46
Mean 0.009005
Std Dev 0.9905

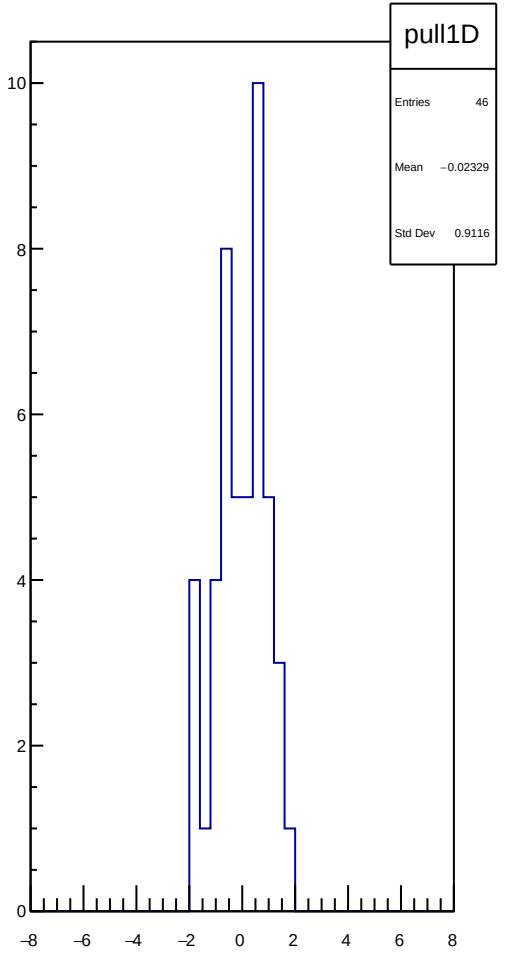

asym_usl_correction_rms vs run
χ² / ndf 2250 / 45
p0 1053 ± 1.107
1140
1120
1100
1080
1060
1040
1020
1000
980
960
940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

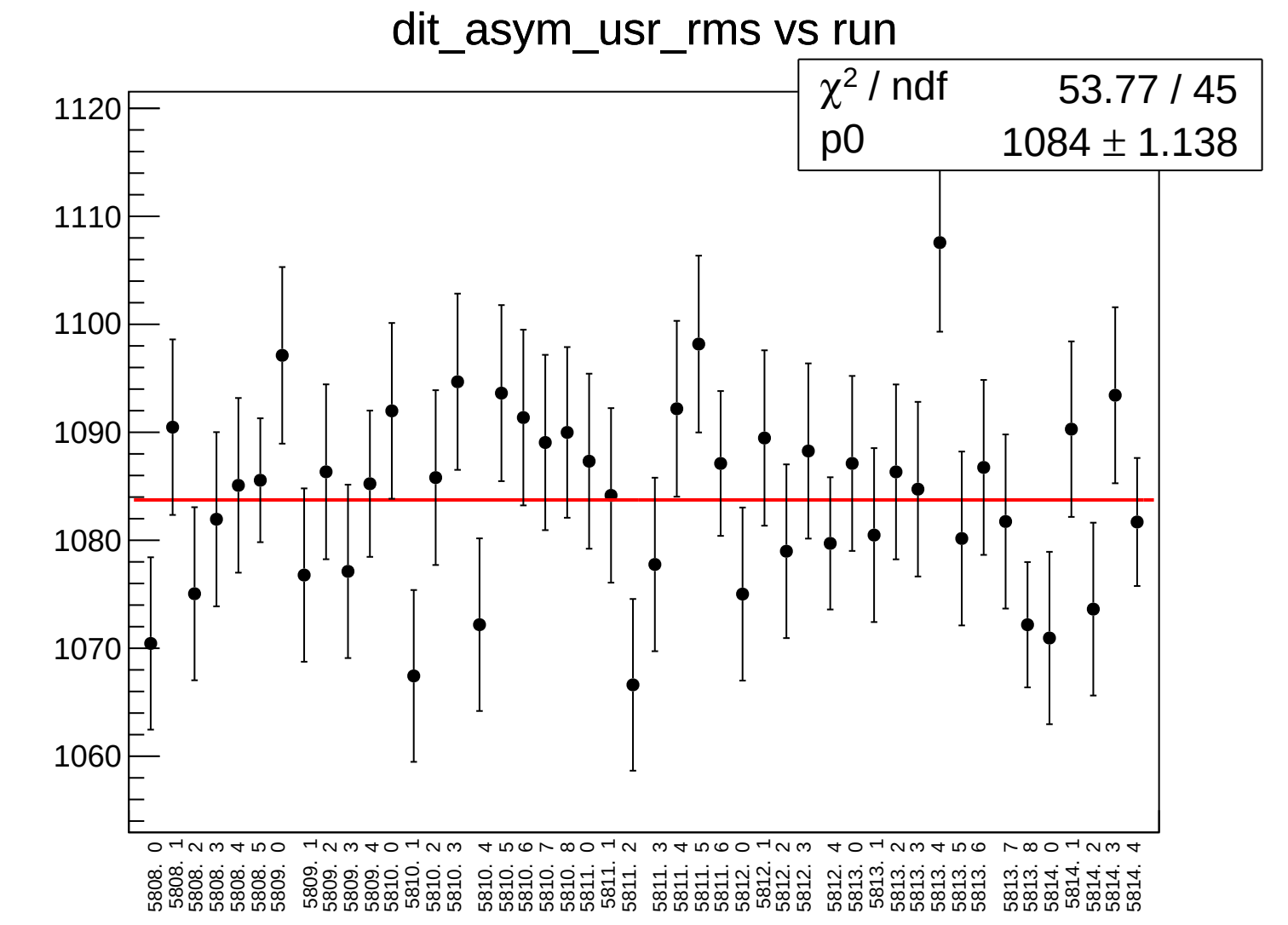

asym_usl_mean vs run
χ^2 / ndf 44.8 / 45
p0 −6255 ± 2236
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −376
Std Dev 397.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

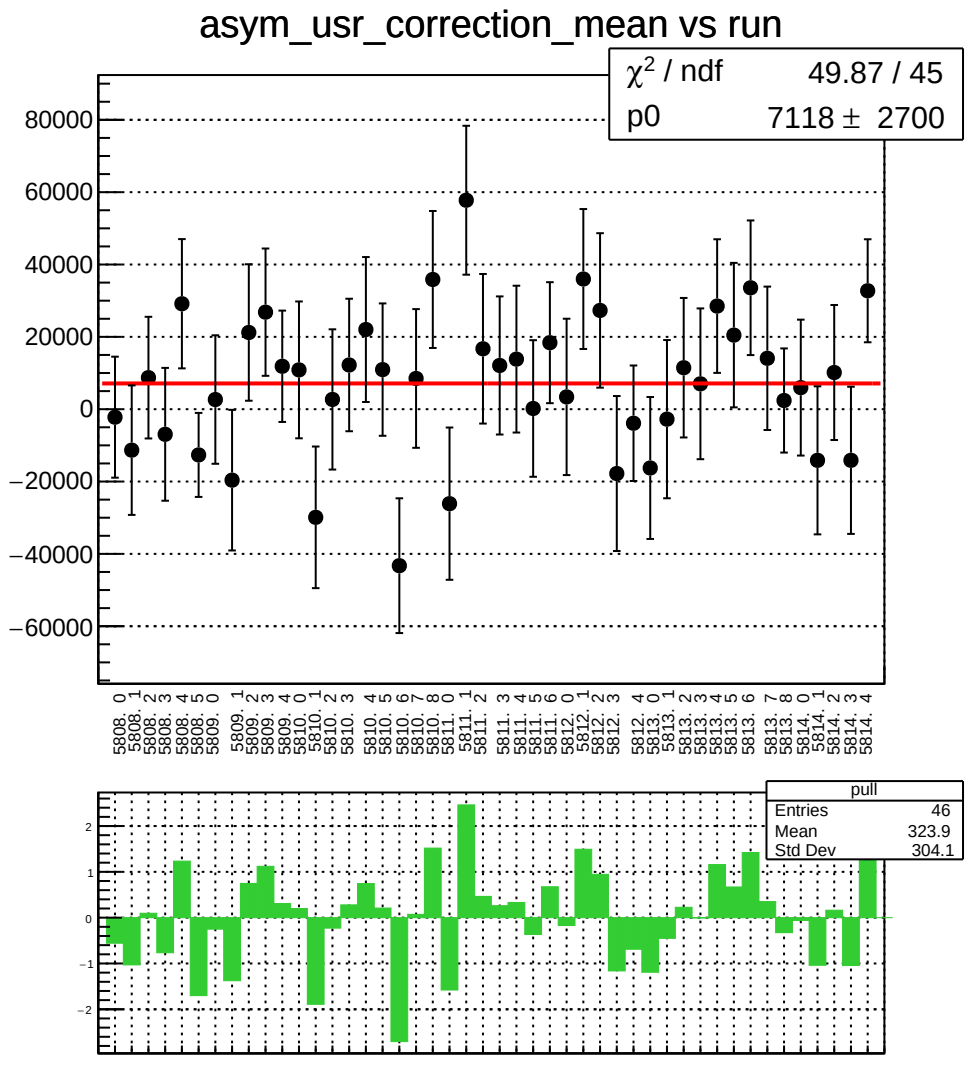

pull1D
Entries 46
Mean 0.00659
Std Dev 0.9868
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

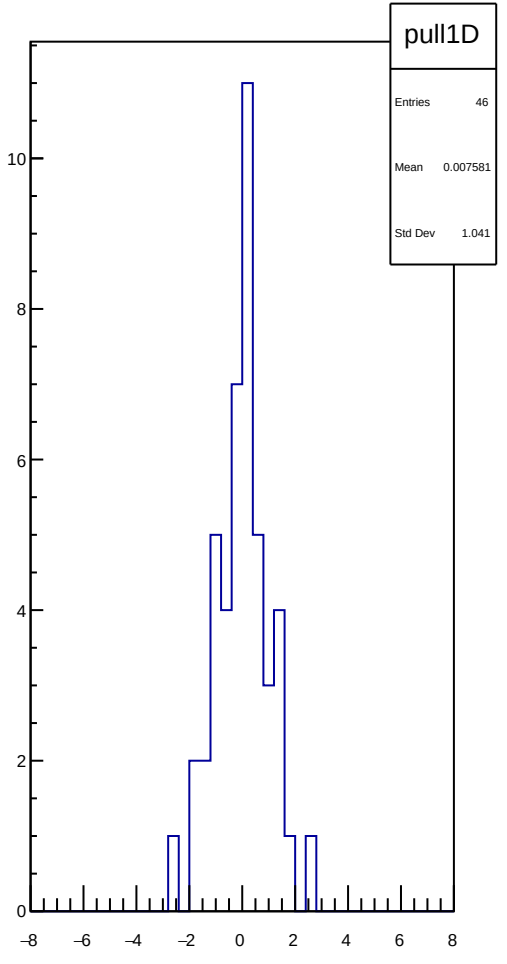

asym_usl_rms vs run
χ² / ndf 410.5 / 45
p0 1505 ± 1.581
1580
1560
1540
1520
1500
1480
1460
1440
1420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

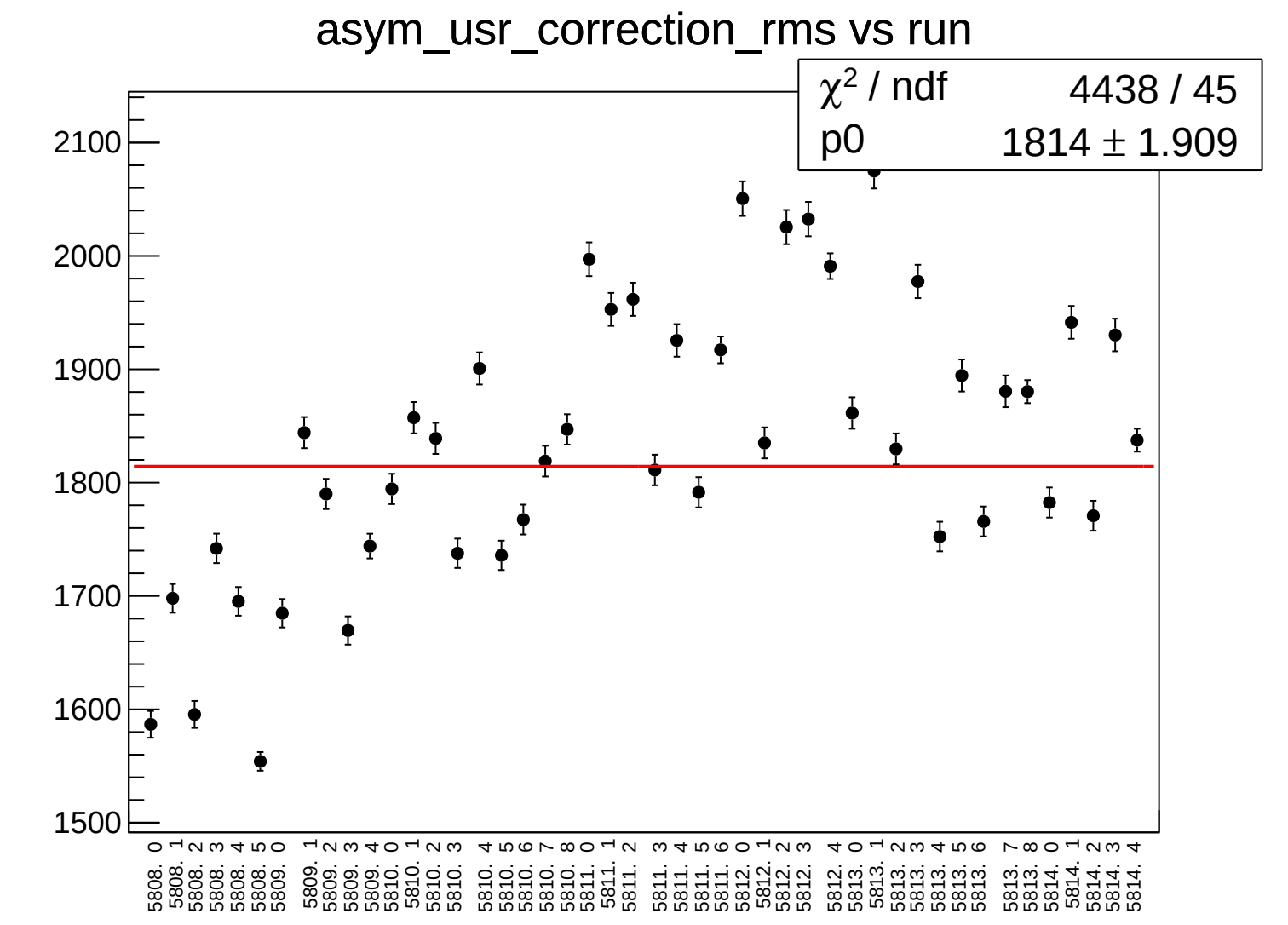

dit_asym_usr_mean vs run
χ² / ndf 38.25 / 45
p0 −1064 ± 1609
pull
Entries 46
Mean −32.35
Std Dev 41.28

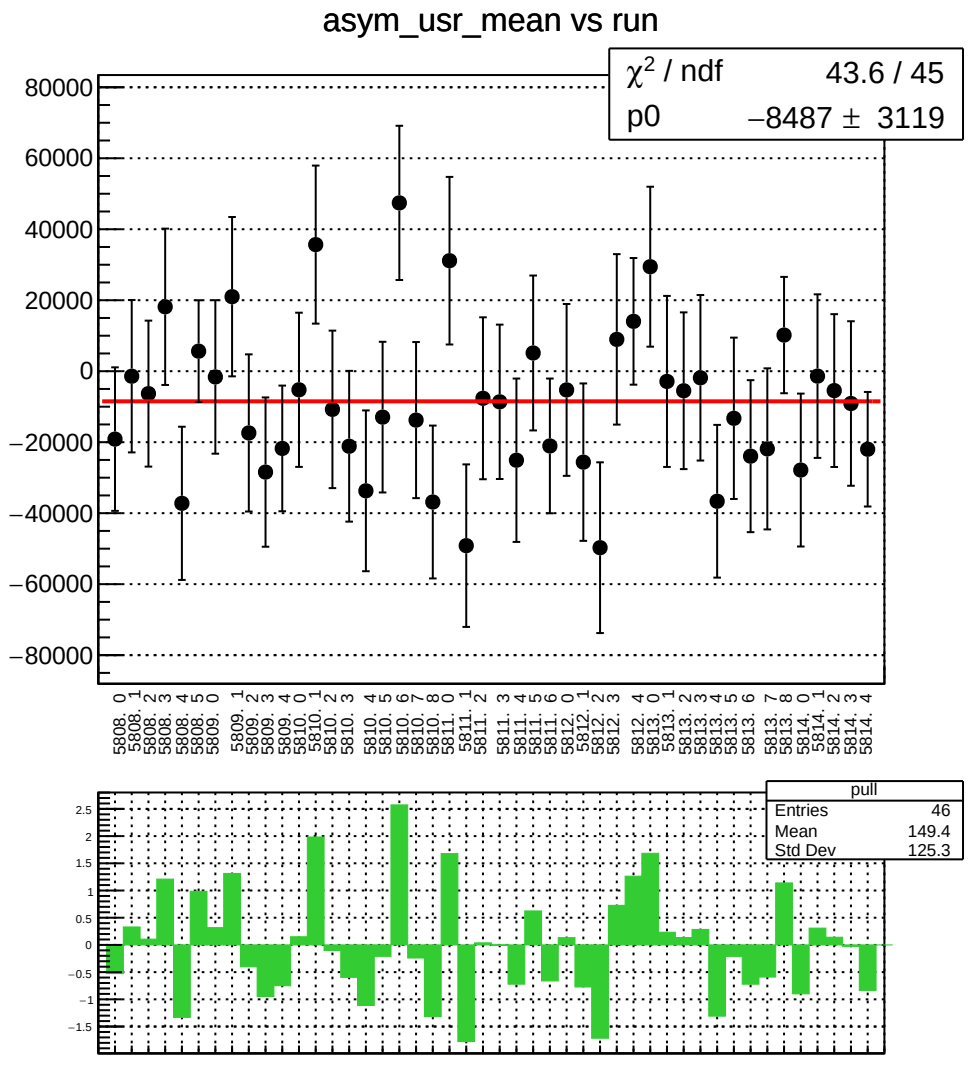

pull1D
Entries 46
Mean −0.02329
Std Dev 0.9116

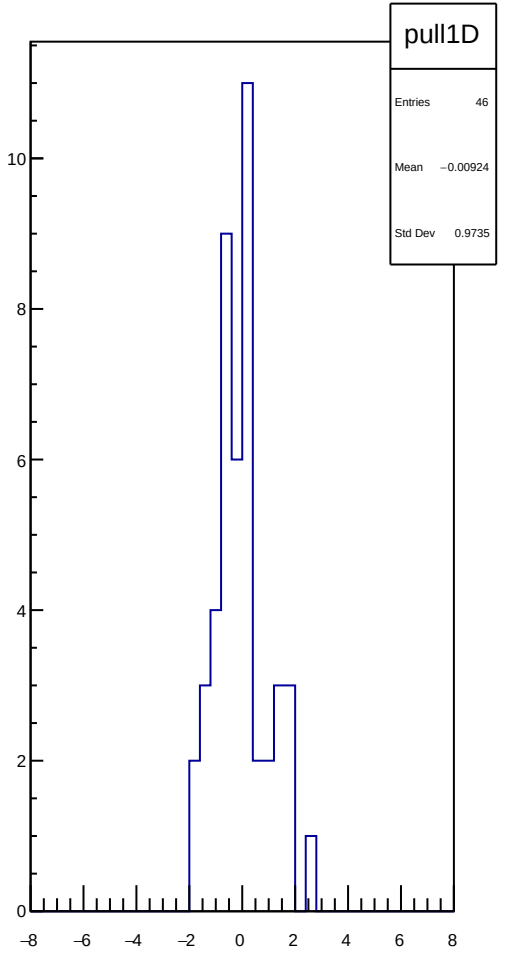

dit_asym_usr_rms vs run
χ² / ndf 53.77 / 45
p0 1084 ± 1.138
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

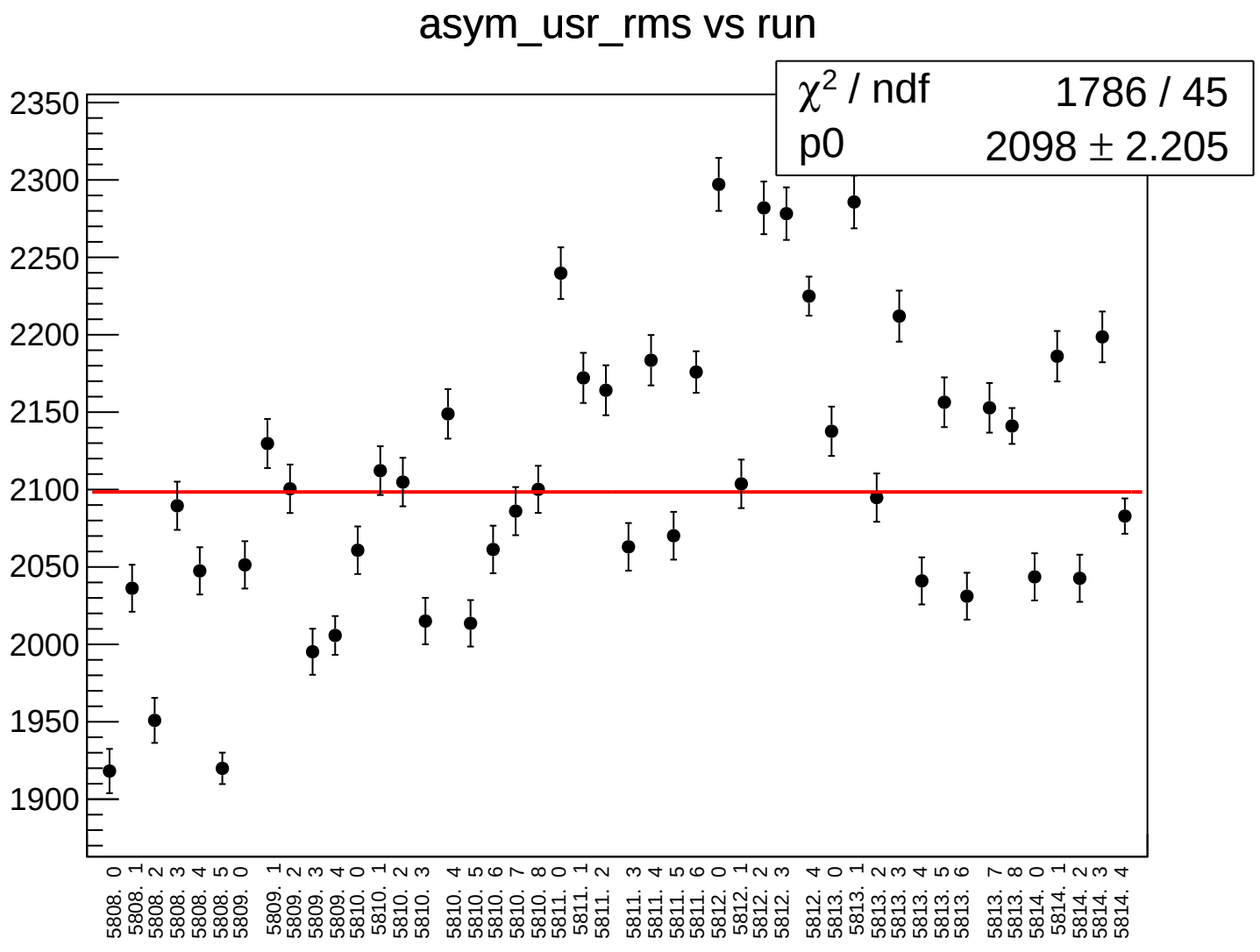

asym_usr_correction_mean vs run
χ² / ndf 49.87 / 45
p0 7118 ± 2700
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 323.9
Std Dev 304.1
2
1
0
−1
−2

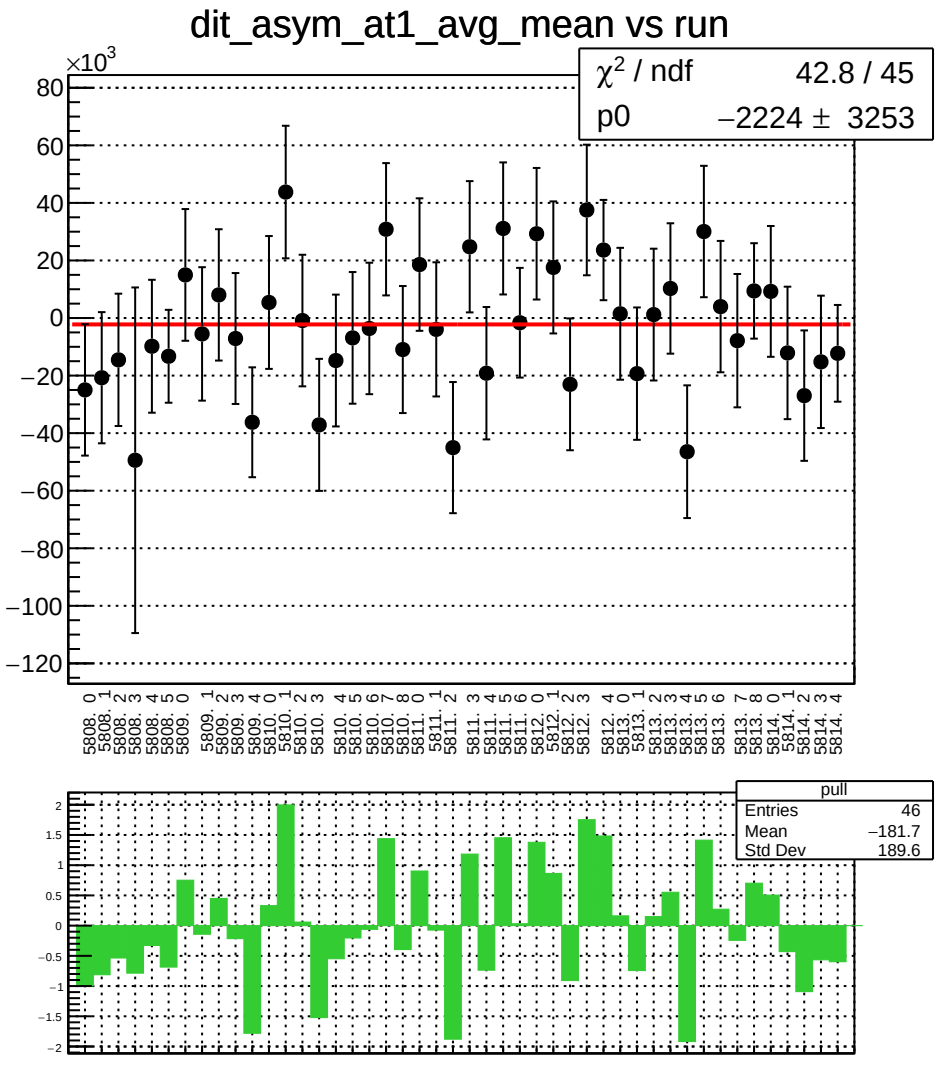

pull1D
Entries 46
Mean 0.007581
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

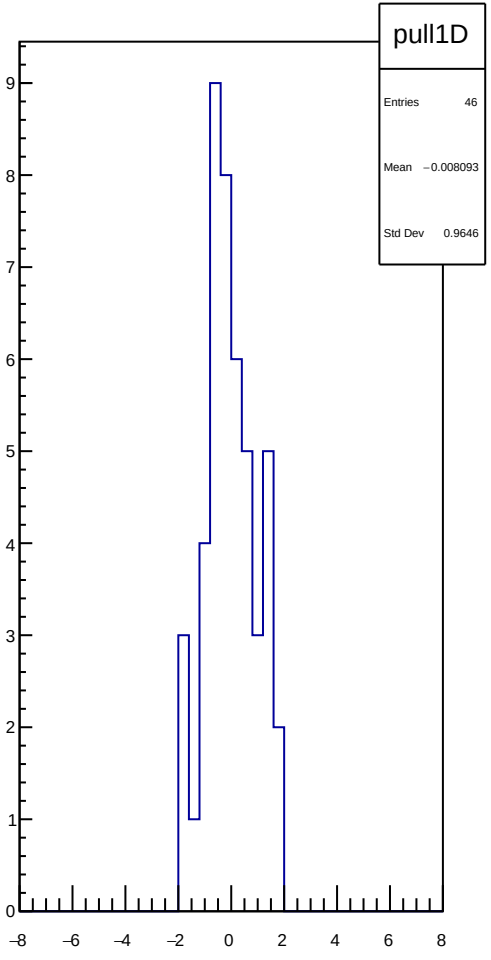

asym_usr_correction_rms vs run
χ² / ndf 4438 / 45
p0 1814 ± 1.909
2100
2000
1900
1800
1700
1600
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

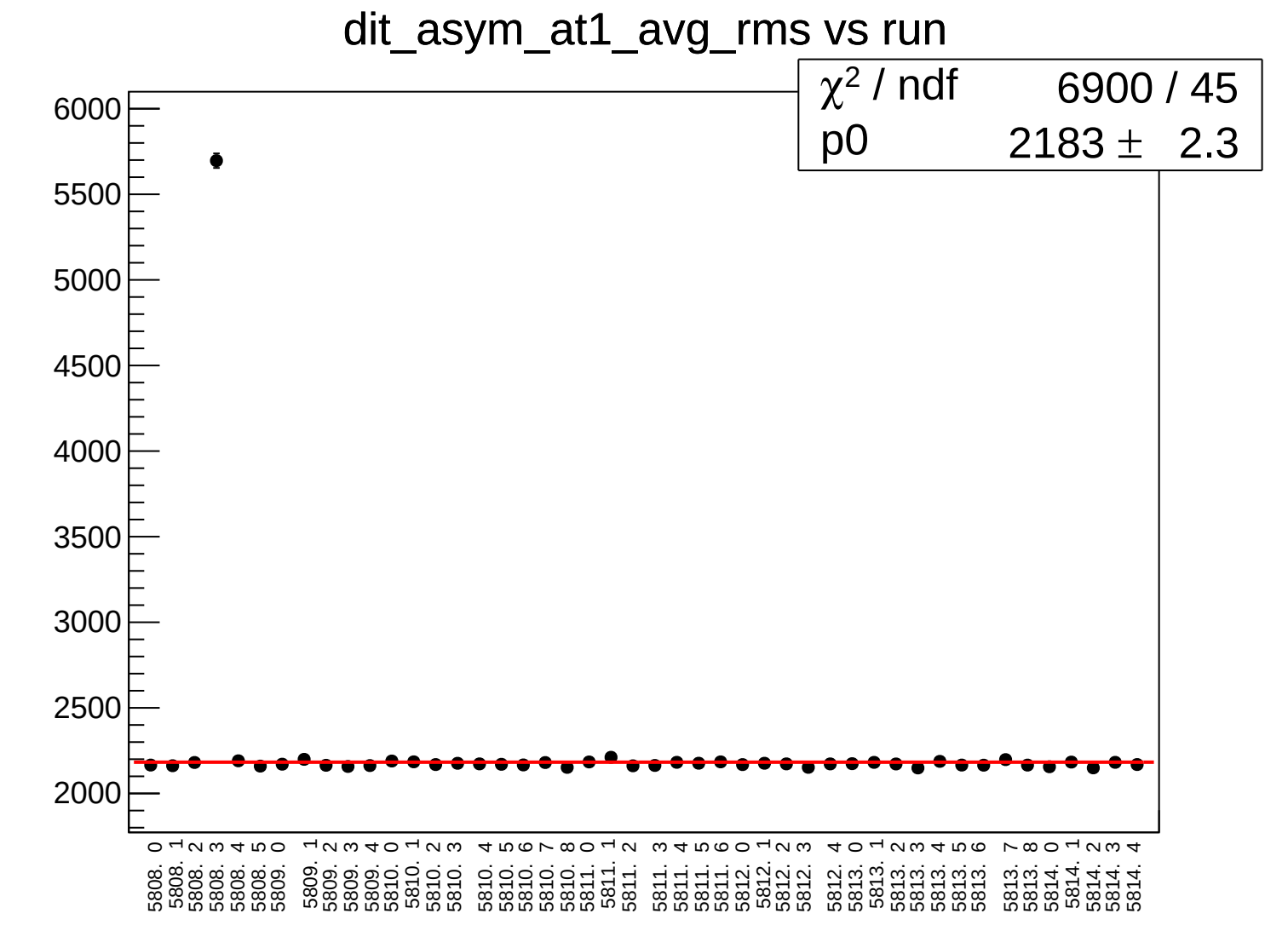

asym_usr_mean vs run
χ^2 / ndf 43.6 / 45
p0 −8487 ± 3119
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 149.4
Std Dev 125.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

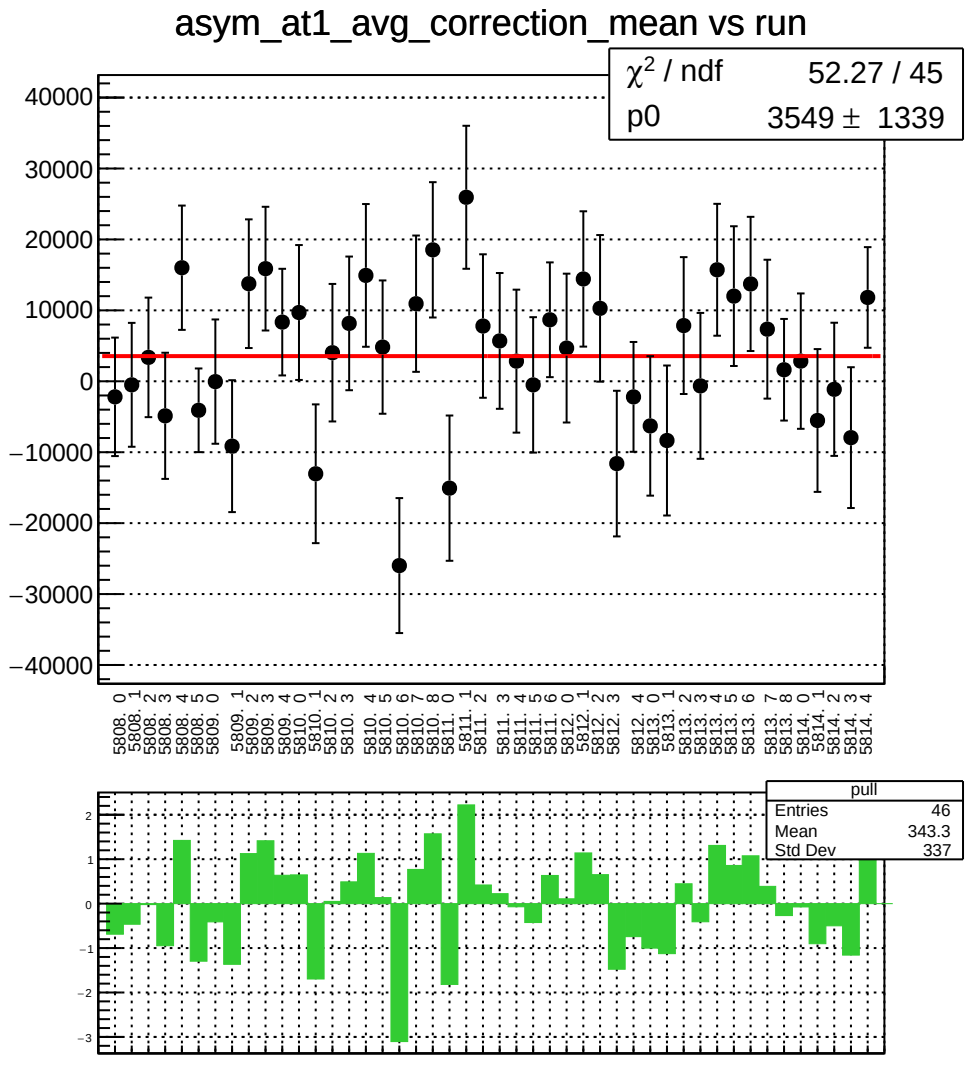

pull1D
Entries 46
Mean −0.00924
Std Dev 0.9735
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

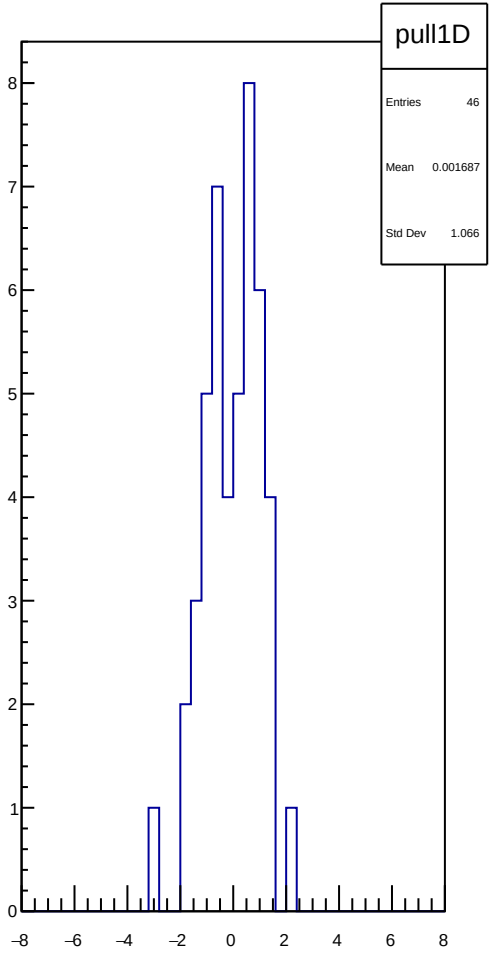

asym_usr_rms vs run
χ² / ndf 1786 / 45
p0 2098 ± 2.205
2350
2300
2250
2200
2150
2100
2050
2000
1950
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

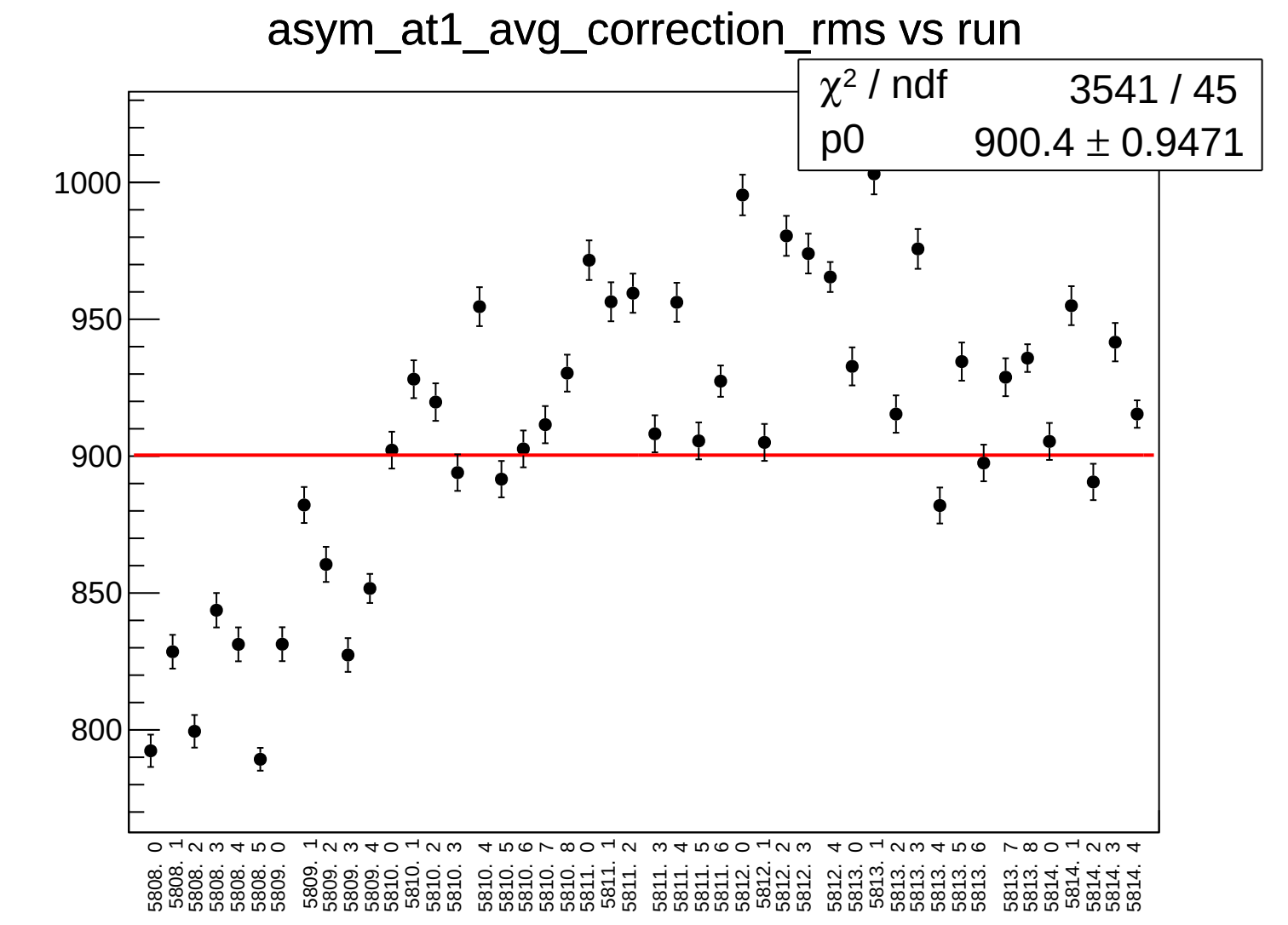

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 42.8 / 45
p0 −2224 ± 3253
pull
Entries 46
Mean −181.7
Std Dev 189.6

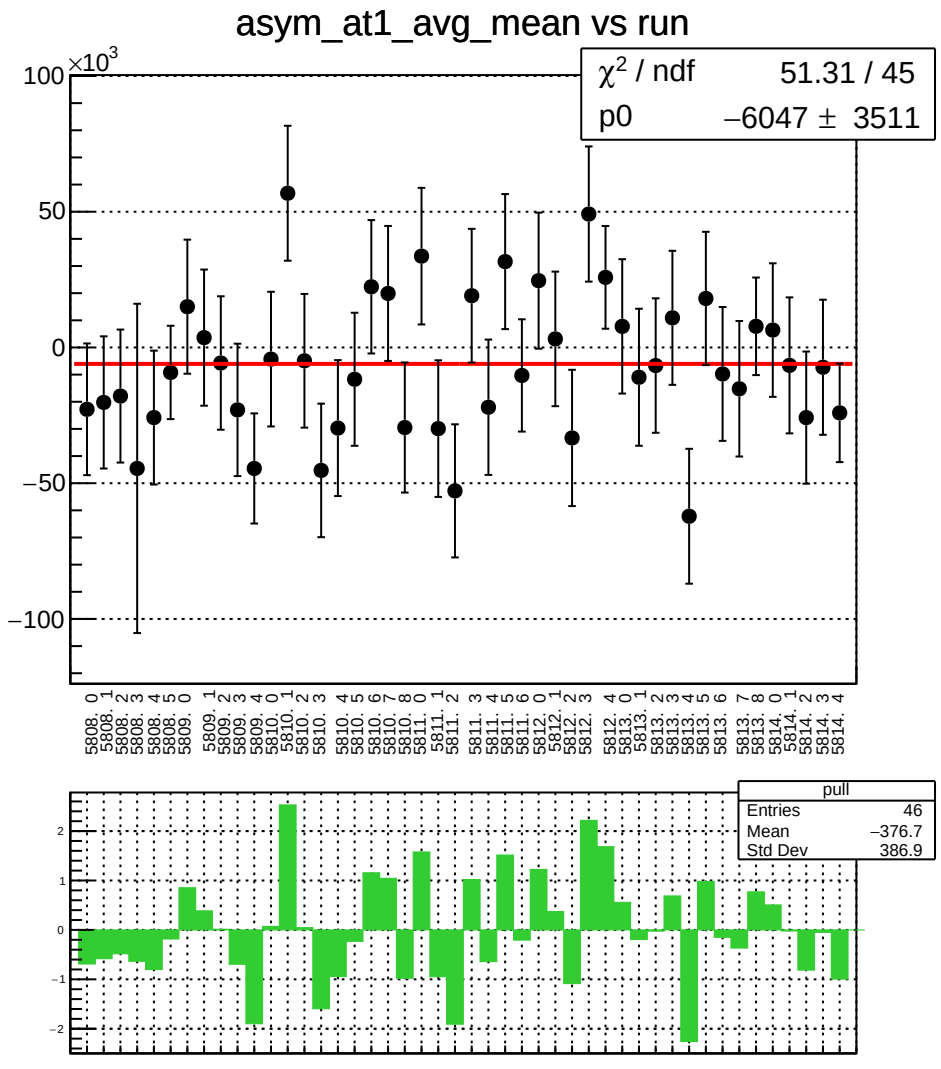

pull1D
Entries 46
Mean −0.008093
Std Dev 0.9646

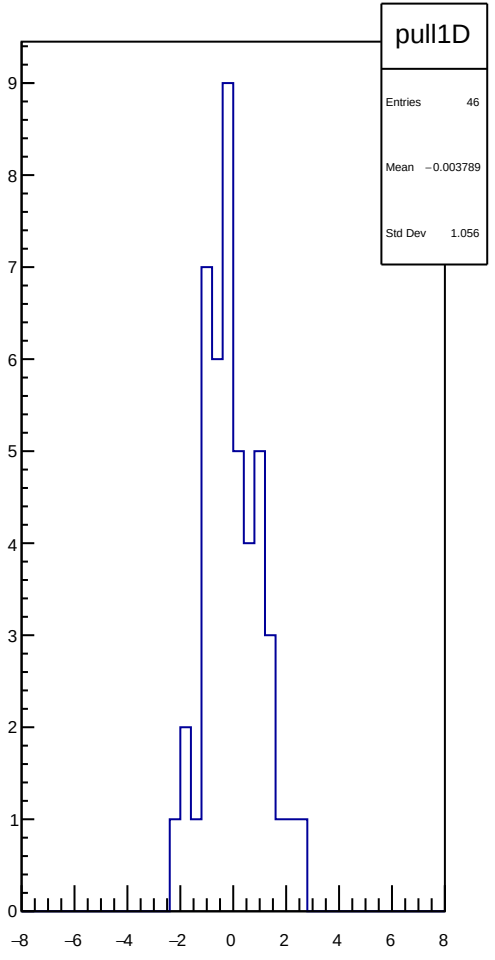

dit_asym_at1_avg_rms vs run
χ² / ndf 6900 / 45
p0 2183 ± 2.3
6000
5500
5000
4500
4000
3500
3000
2500
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

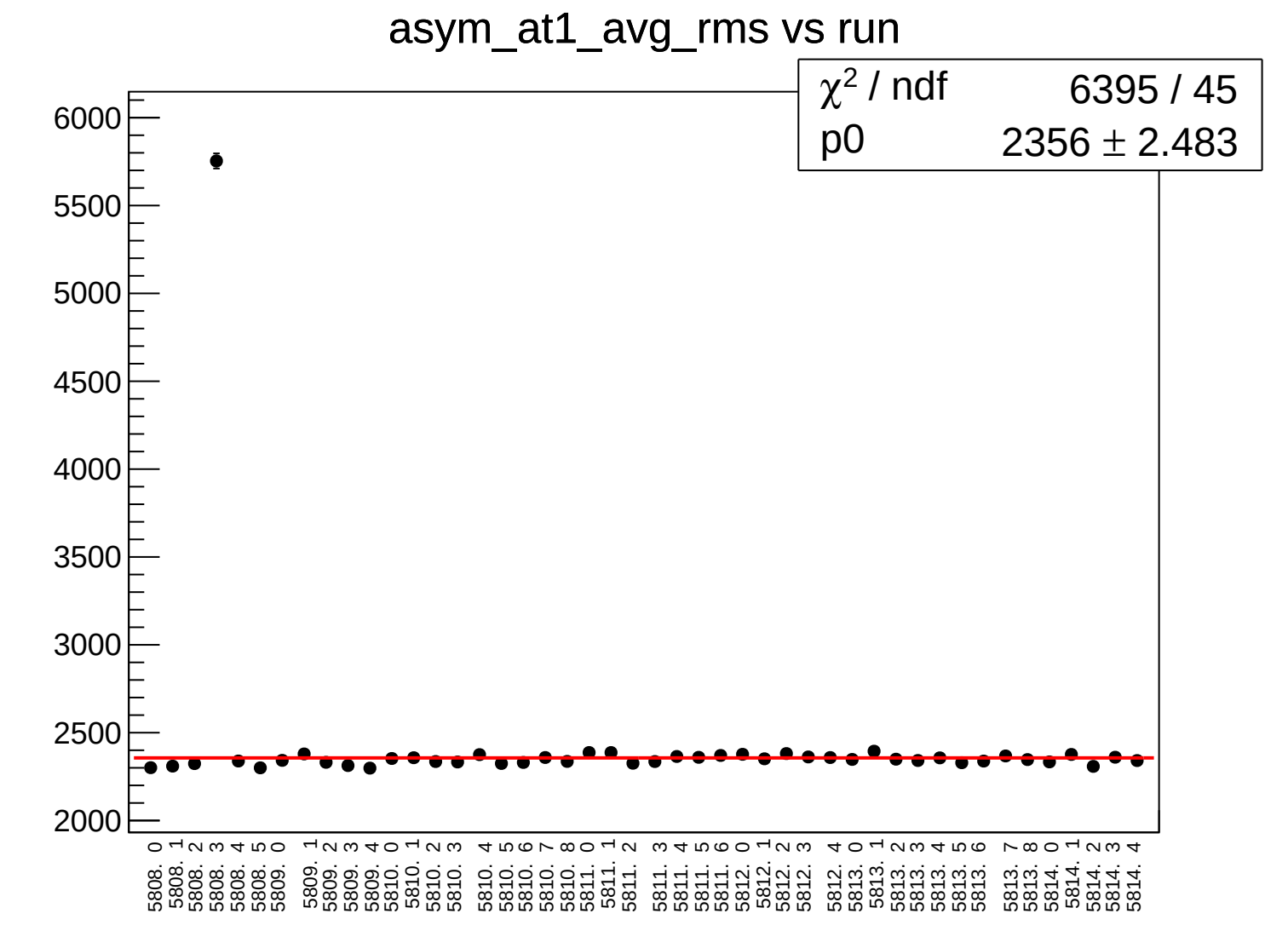

asym_at1_avg_correction_mean vs run
χ² / ndf 52.27 / 45
p0 3549 ± 1339
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 343.3
Std Dev 337
2
1
0
−1
−2
−3

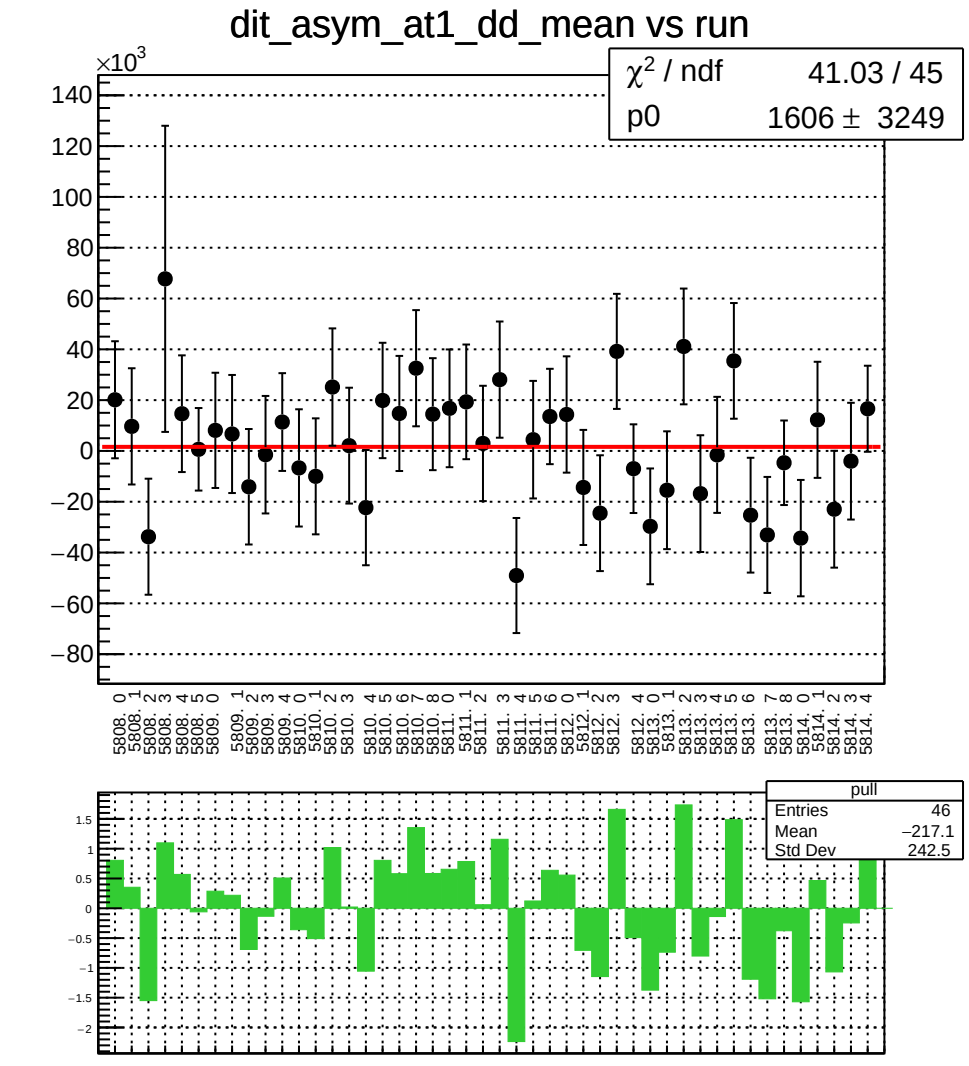

pull1D
Entries 46
Mean 0.001687
Std Dev 1.066
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

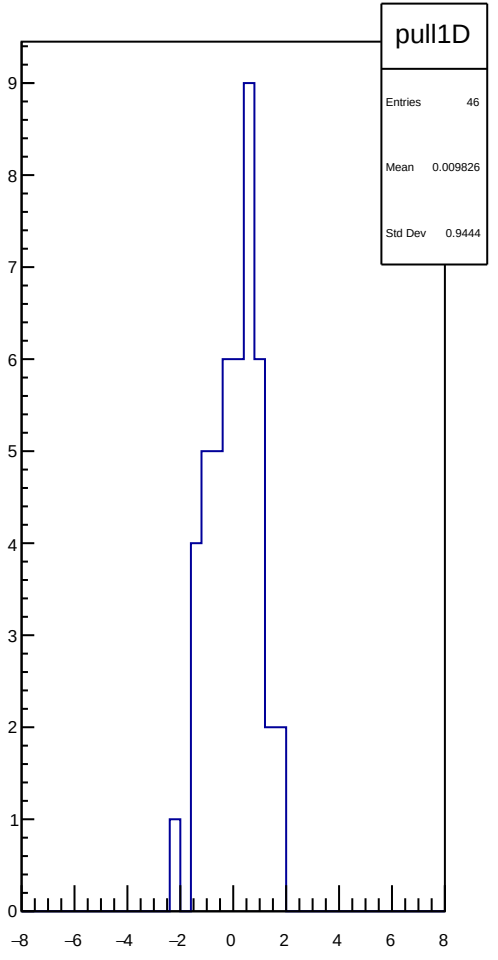

asym_at1_avg_correction_rms vs run
χ² / ndf 3541 / 45
p0 900.4 ± 0.9471
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

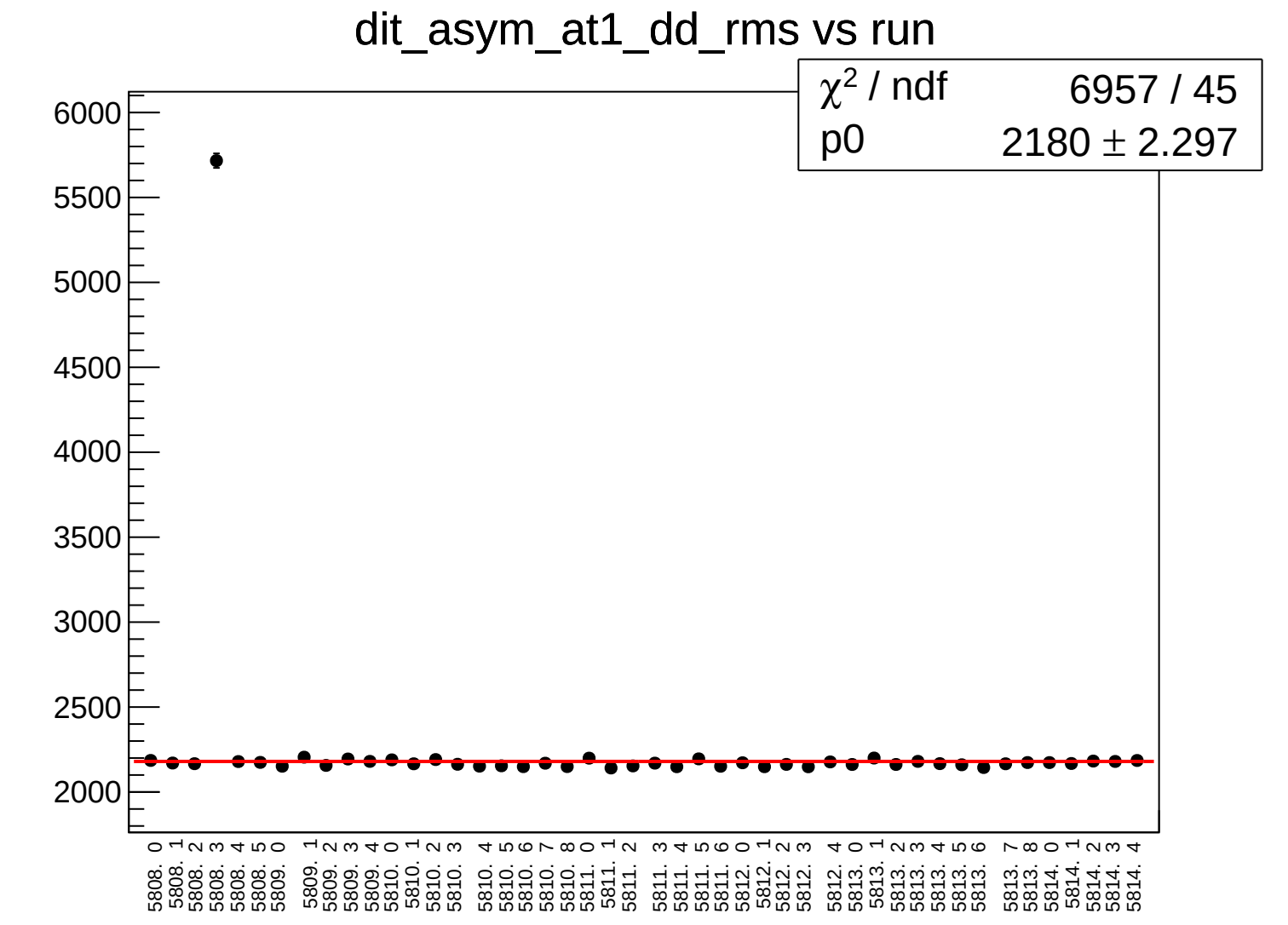

asym_at1_avg_mean vs run
×10^3
χ² / ndf 51.31 / 45
p0 −6047 ± 3511
pull
Entries 46
Mean −376.7
Std Dev 386.9

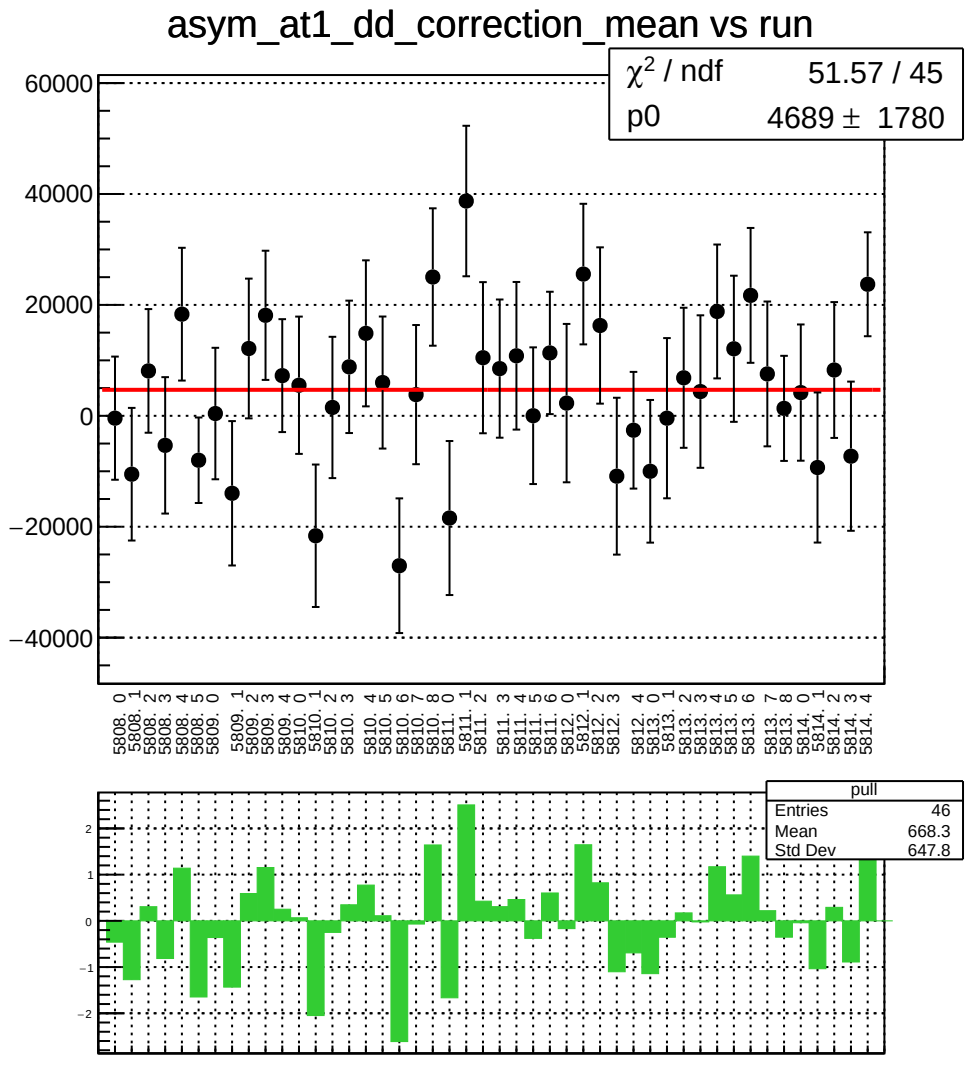

pull1D
Entries 46
Mean −0.003789
Std Dev 1.056

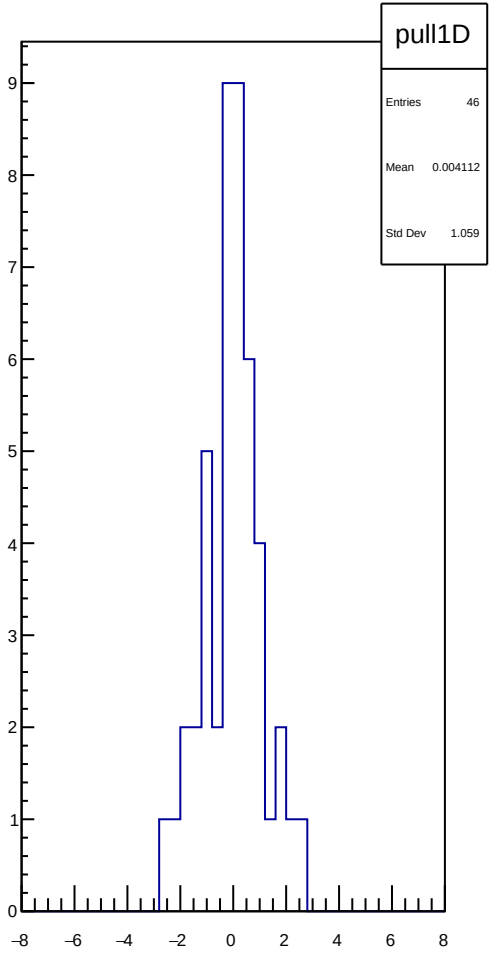

asym_at1_avg_rms vs run
χ² / ndf 6395 / 45
p0 2356 ± 2.483
6000
5500
5000
4500
4000
3500
3000
2500
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

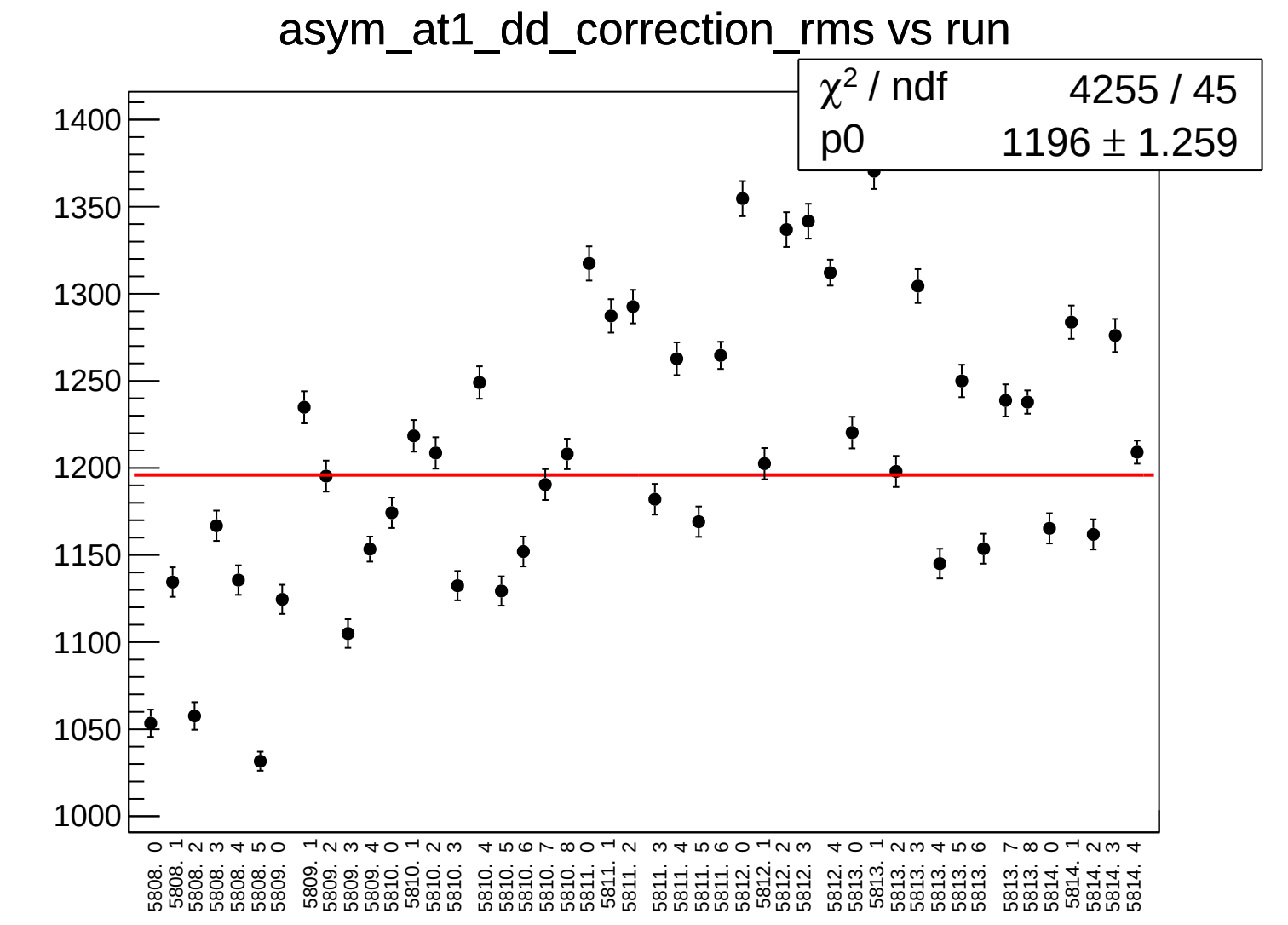

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 41.03 / 45
p0 1606 ± 3249
pull
Entries 46
Mean −217.1
Std Dev 242.5

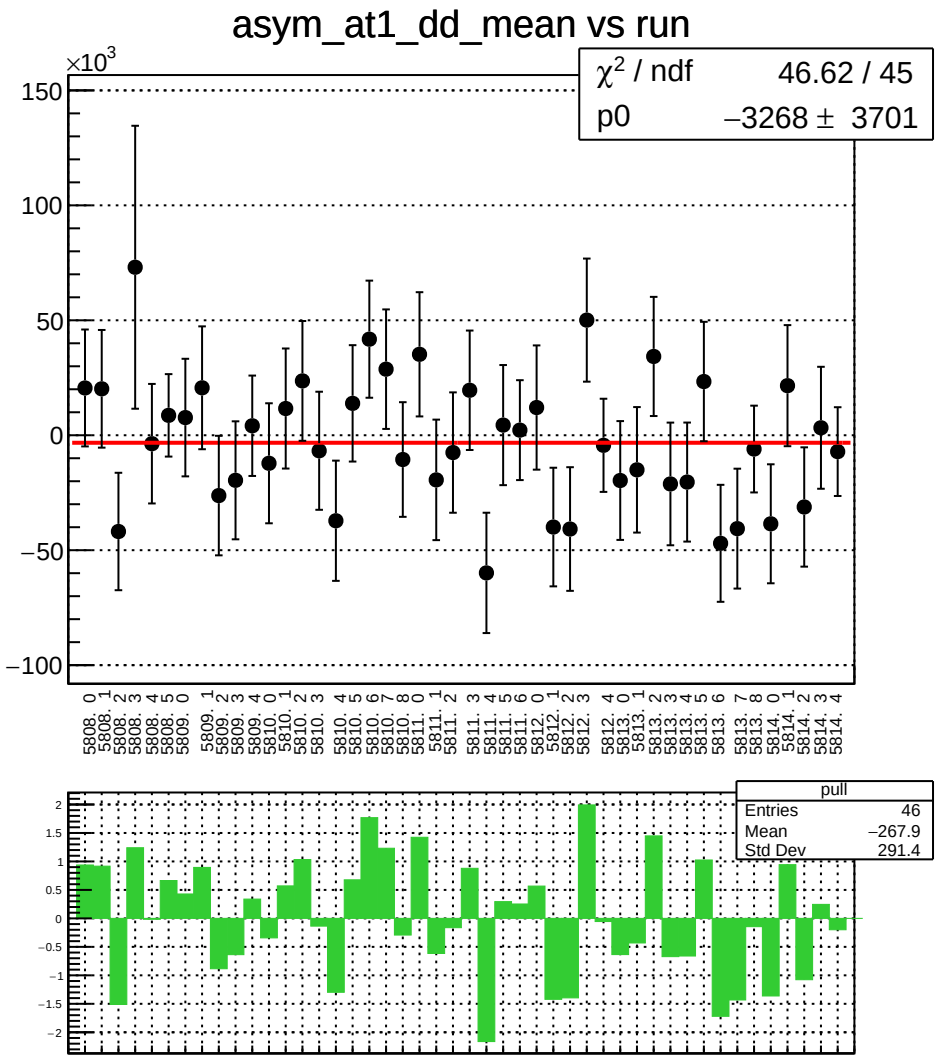

pull1D
Entries 46
Mean 0.009826
Std Dev 0.9444

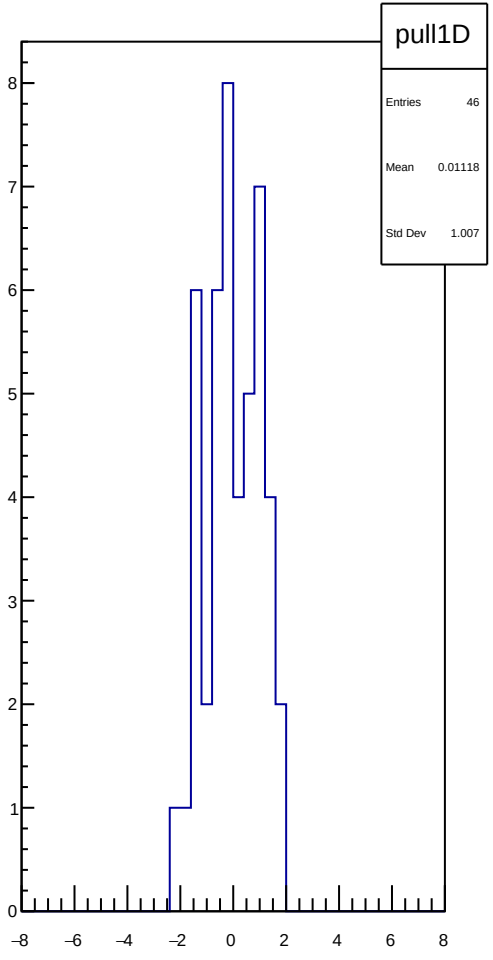

dit_asym_at1_dd_rms vs run
χ² / ndf 6957 / 45
p0 2180 ± 2.297
6000
5500
5000
4500
4000
3500
3000
2500
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

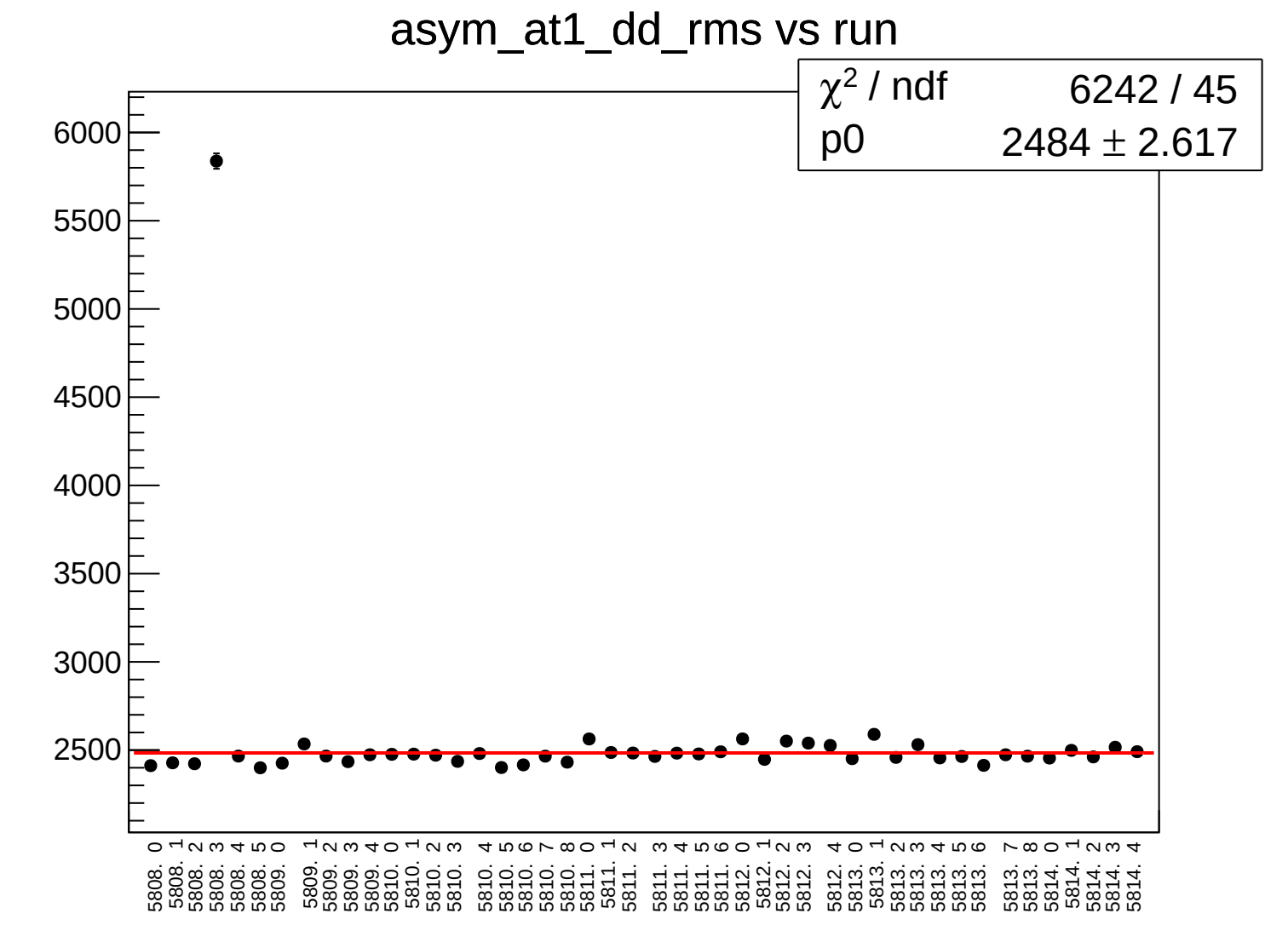

asym_at1_dd_correction_mean vs run
χ² / ndf 51.57 / 45
p0 4689 ± 1780
pull
Entries 46
Mean 668.3
Std Dev 647.8

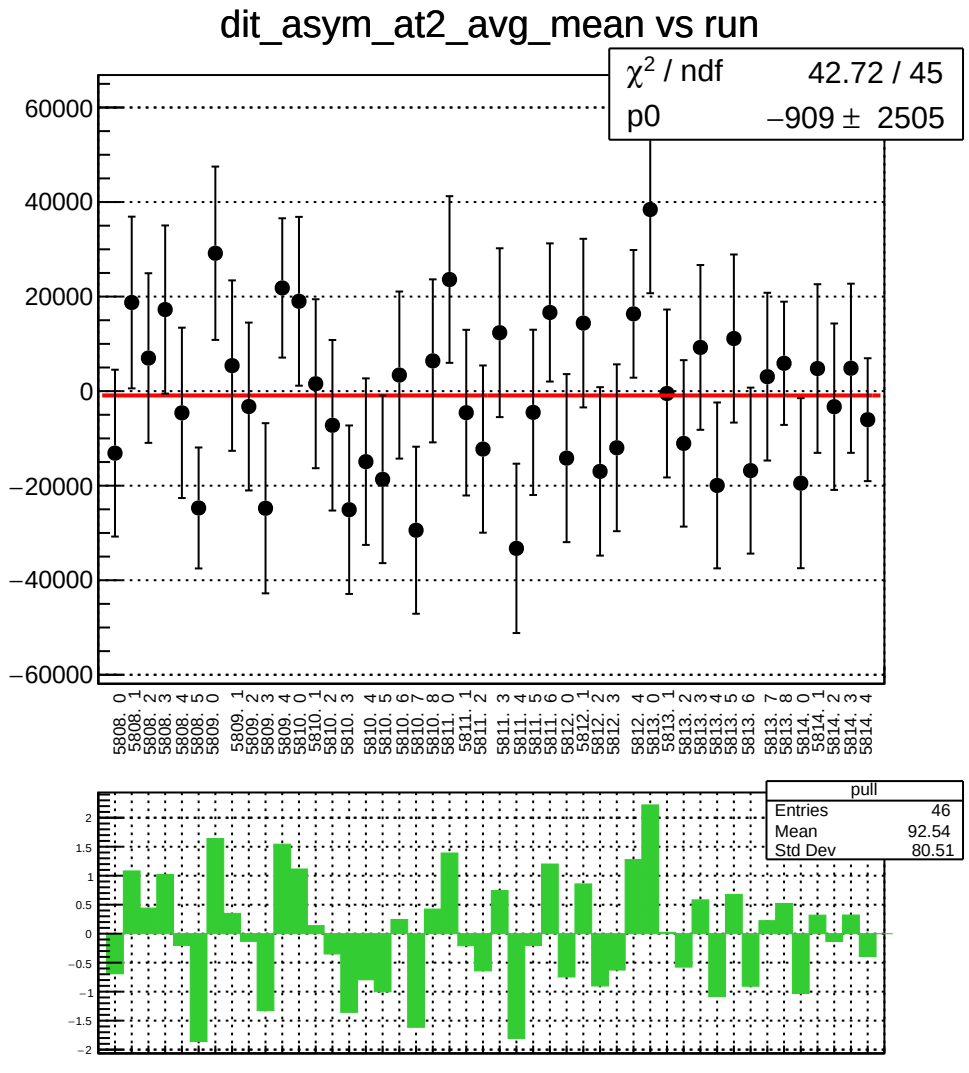

pull1D
Entries 46
Mean 0.004112
Std Dev 1.059

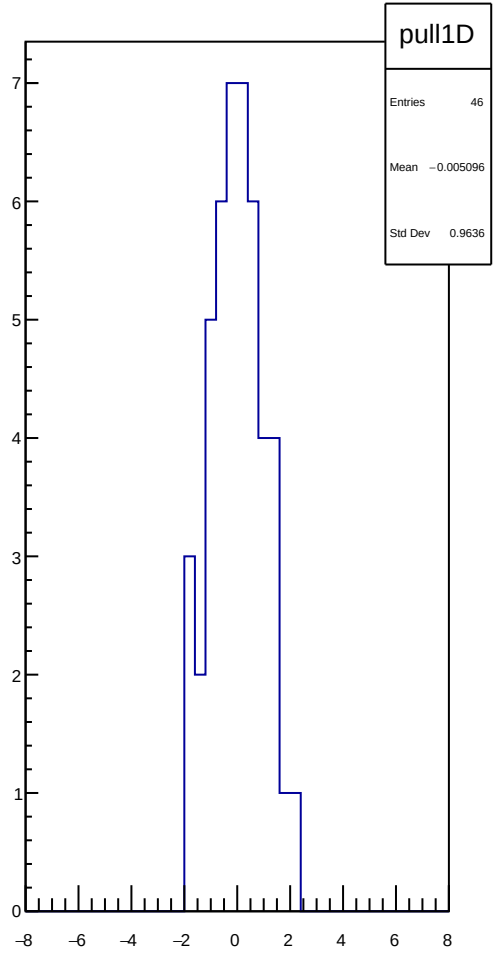

asym_at1_dd_correction_rms vs run
χ² / ndf 4255 / 45
p0 1196 ± 1.259
1400
1350
1300
1250
1200
1150
1100
1050
1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

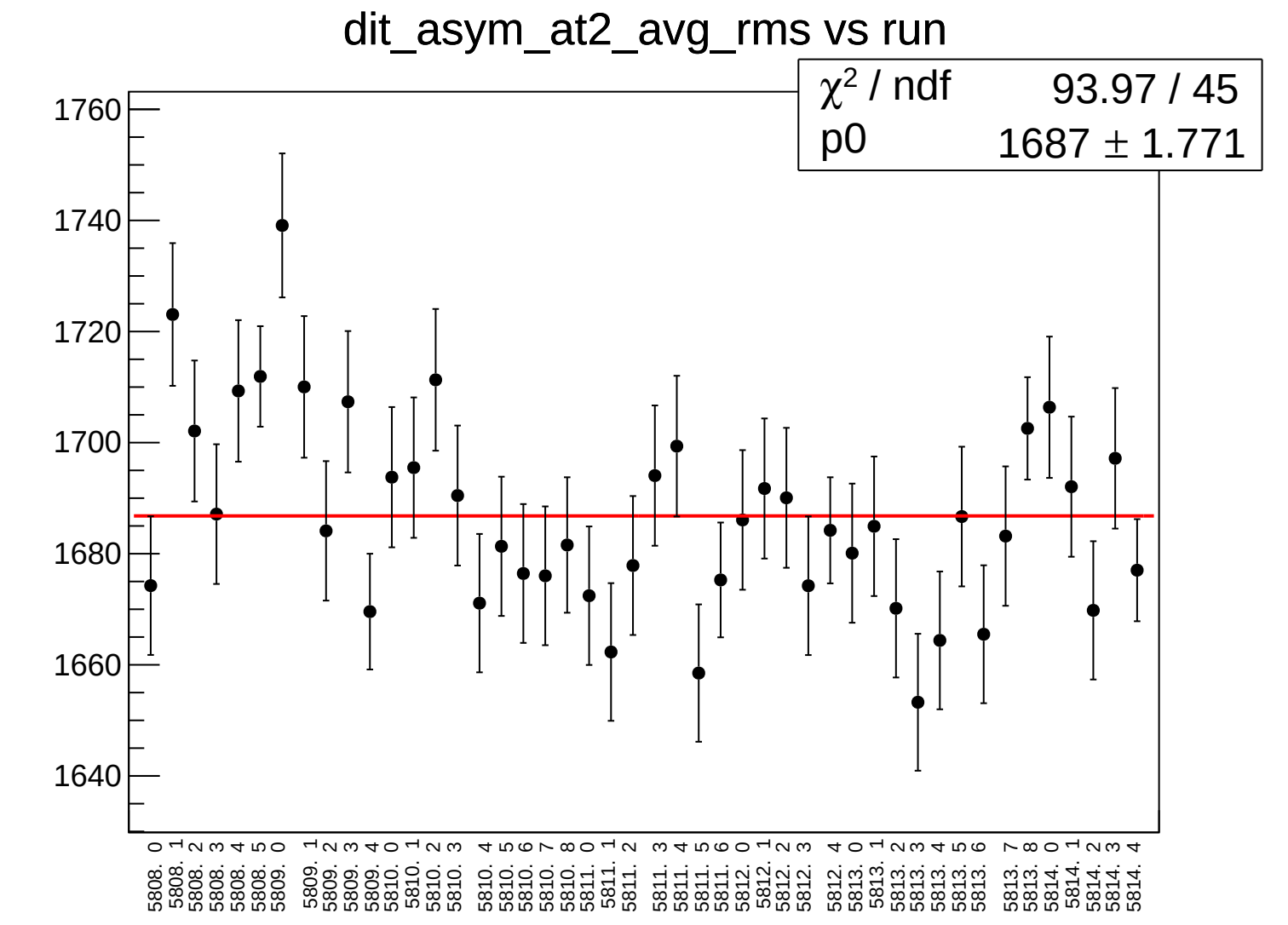

asym_at1_dd_mean vs run
×10^3
χ² / ndf 46.62 / 45
p0 −3268 ± 3701
150
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −267.9
Std Dev 291.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

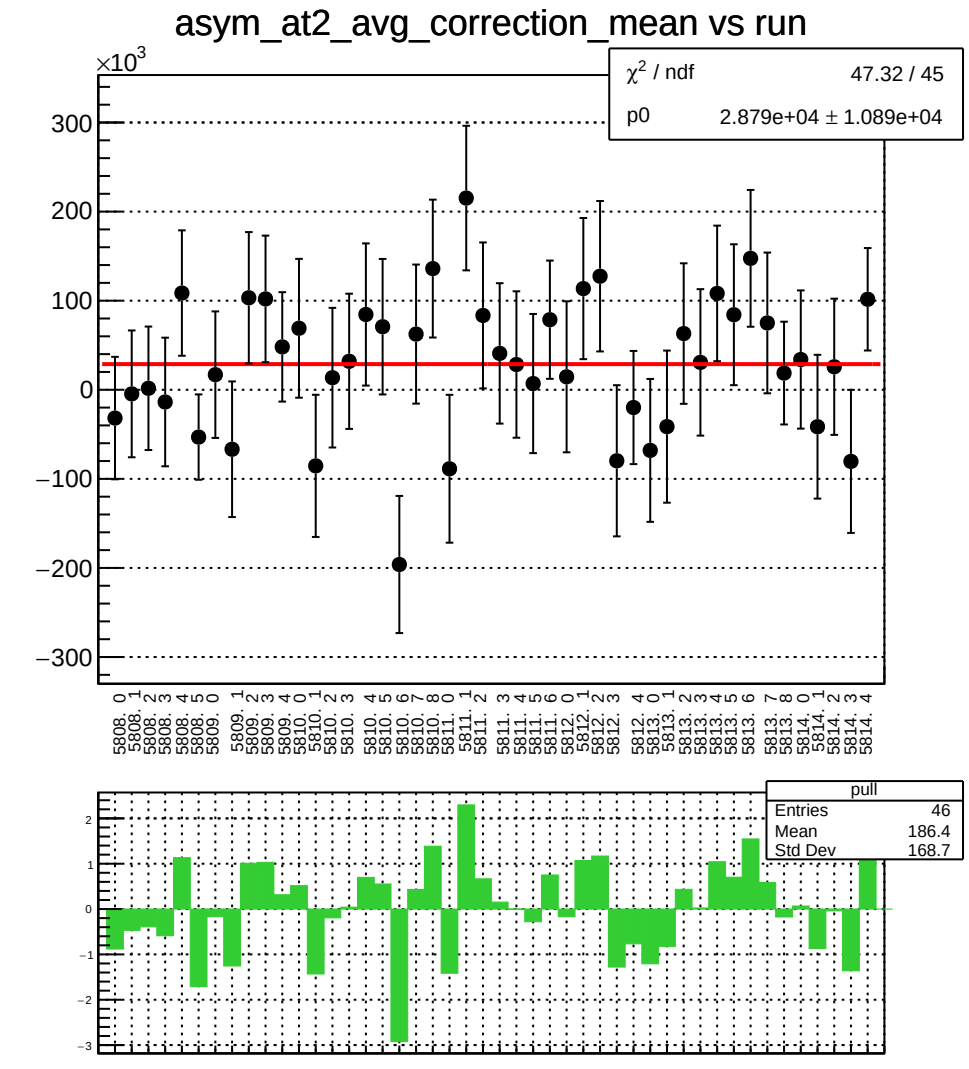

pull1D
Entries 46
Mean 0.01118
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

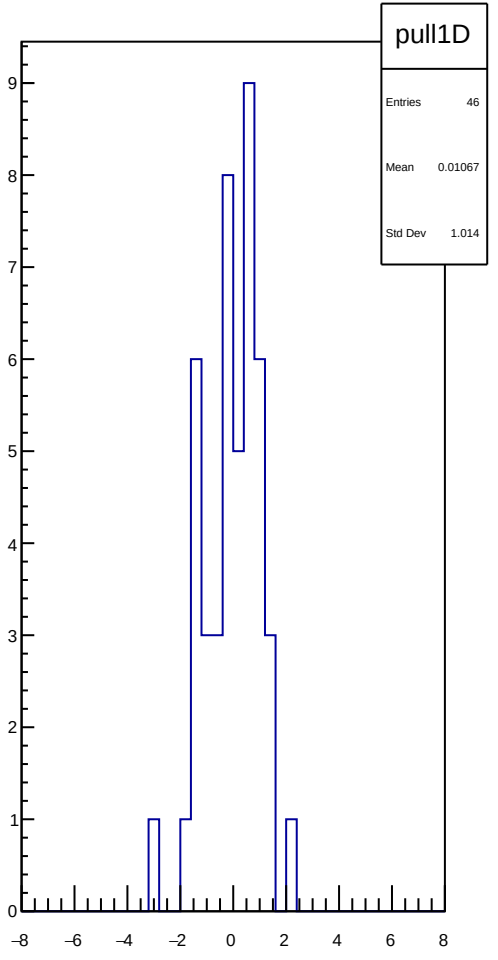

asym_at1_dd_rms vs run
χ² / ndf 6242 / 45
p0 2484 ± 2.617
6000
5500
5000
4500
4000
3500
3000
2500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

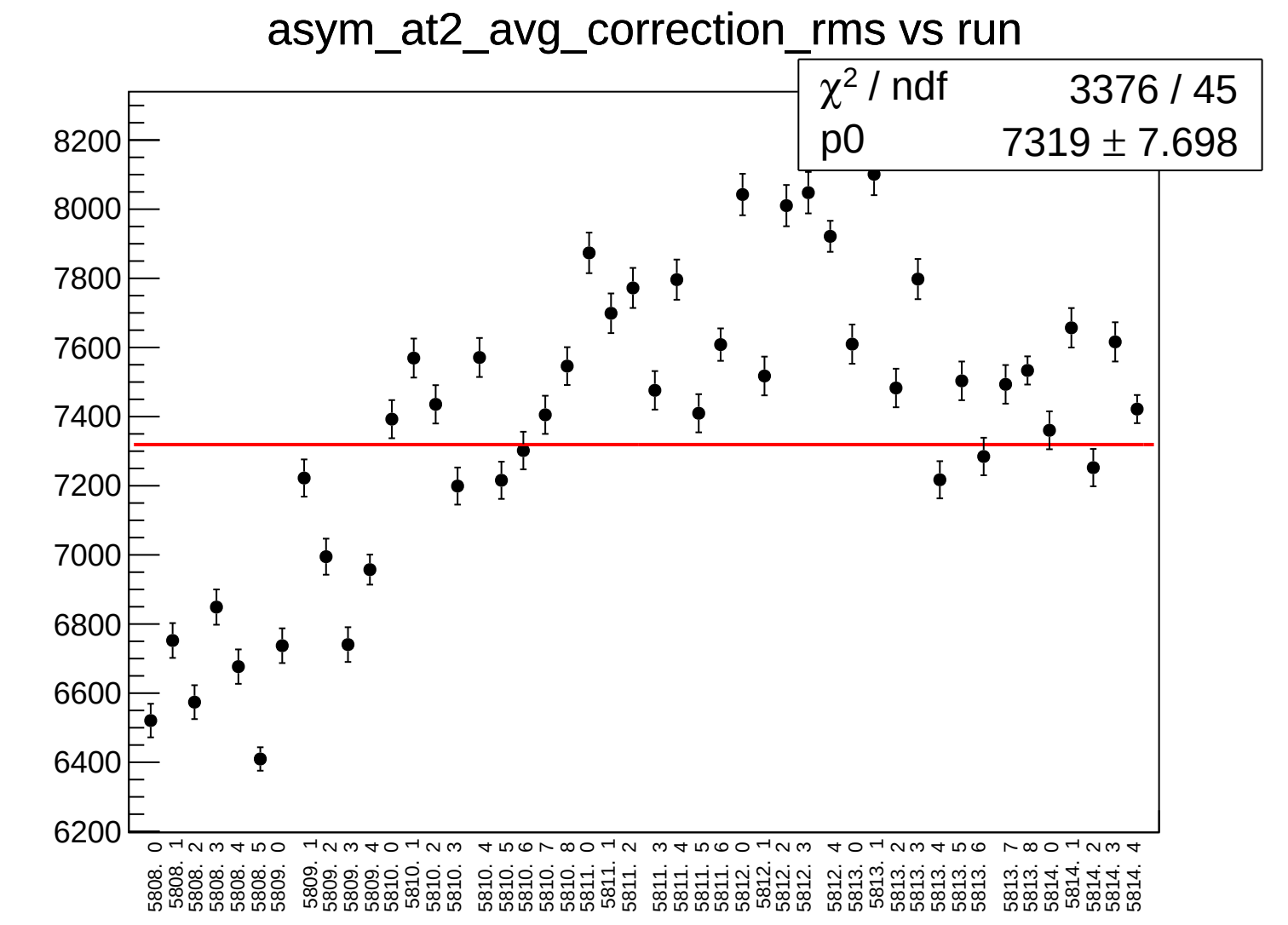

dit_asym_at2_avg_mean vs run
χ² / ndf 42.72 / 45
p0 −909 ± 2505
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 92.54
Std Dev 80.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

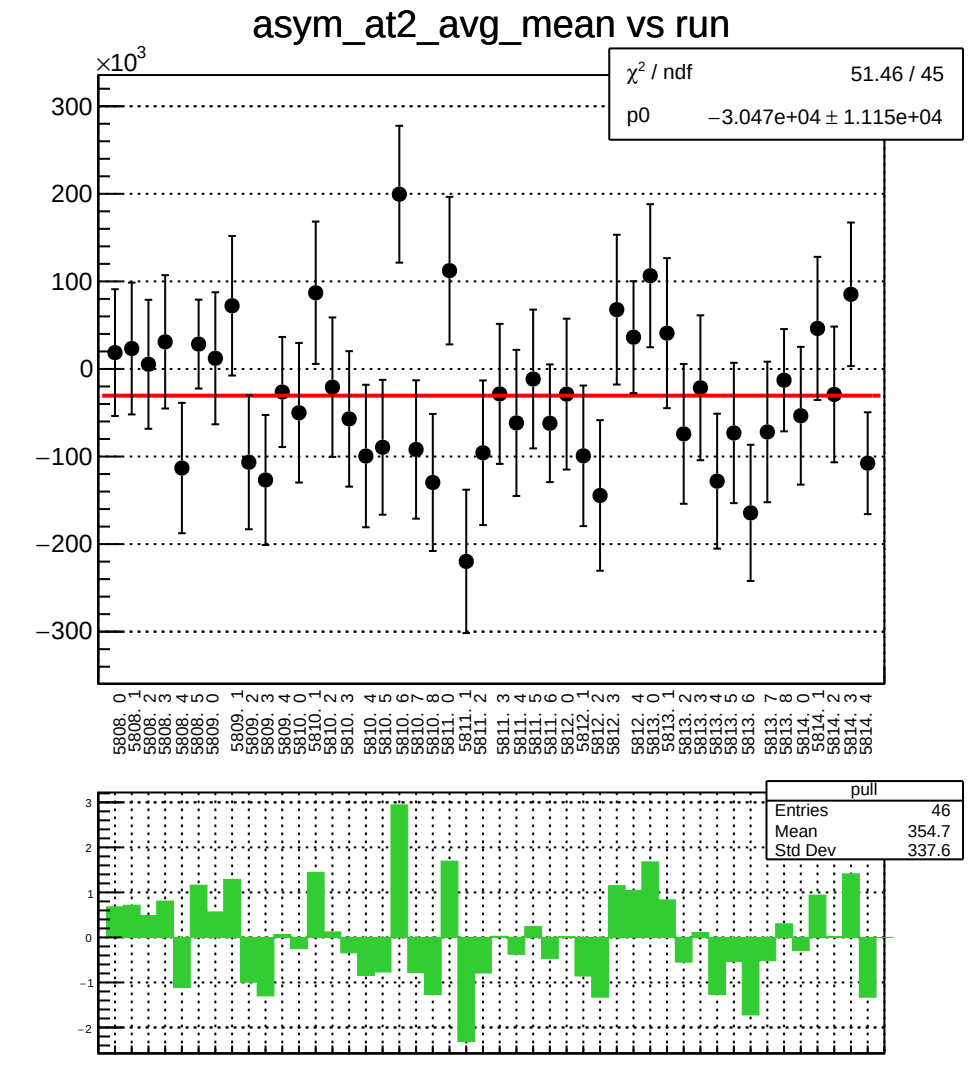

pull1D
Entries 46
Mean −0.005096
Std Dev 0.9636
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

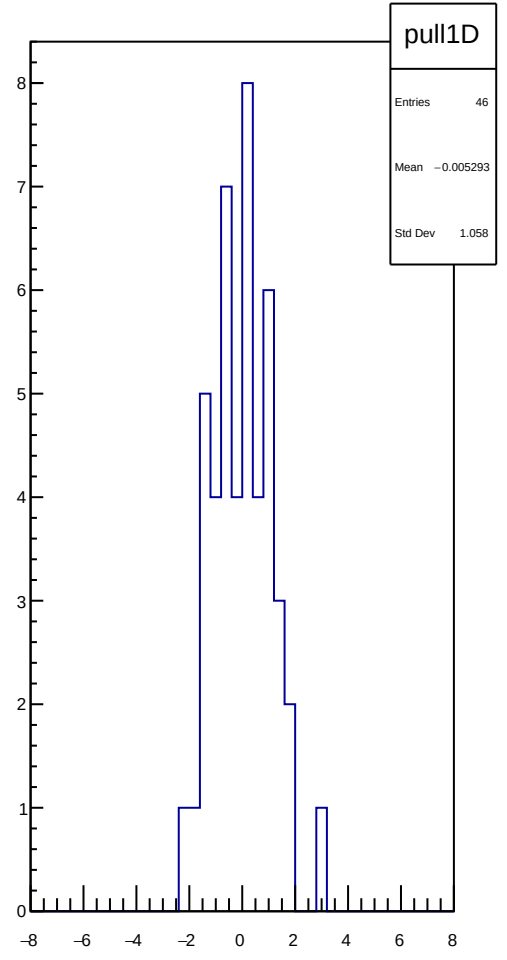

dit_asym_at2_avg_rms vs run
χ² / ndf 93.97 / 45
p0 1687 ± 1.771
1760
1740
1720
1700
1680
1660
1640
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

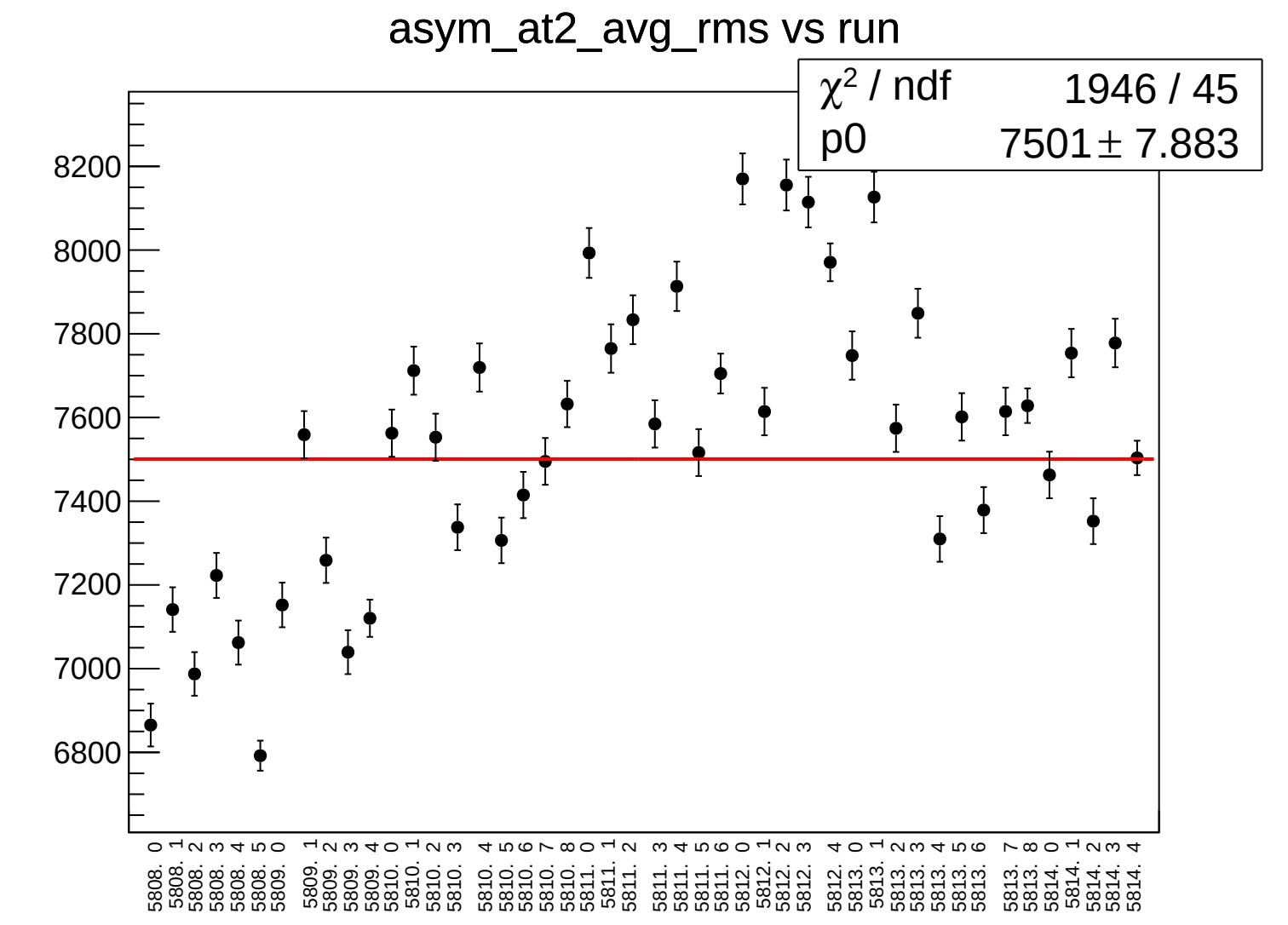

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 47.32 / 45
p0 2.879e+04 ± 1.089e+04
300
200
100
0
−100
−200
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 186.4
Std Dev 168.7
2
1
0
−1
−2
−3

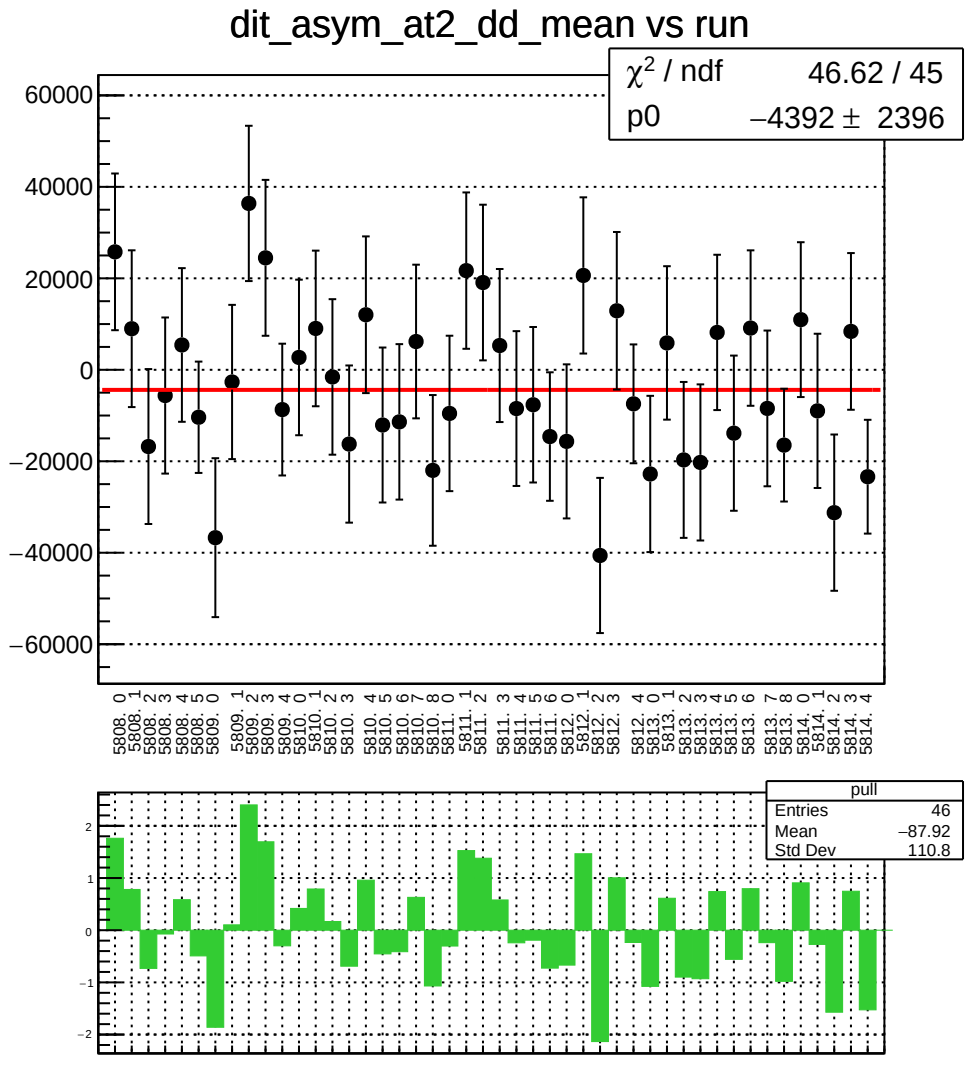

pull1D
Entries 46
Mean 0.01067
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

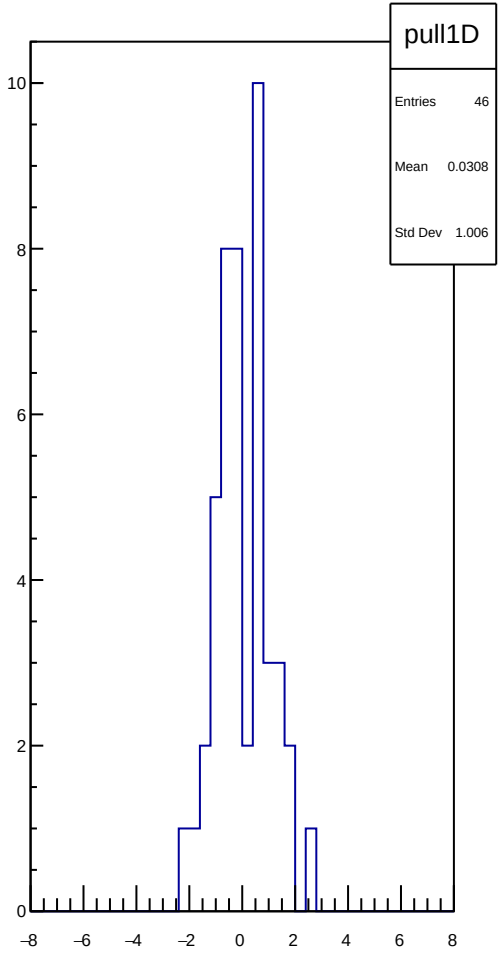

asym_at2_avg_correction_rms vs run
χ² / ndf 3376 / 45
p0 7319 ± 7.698
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

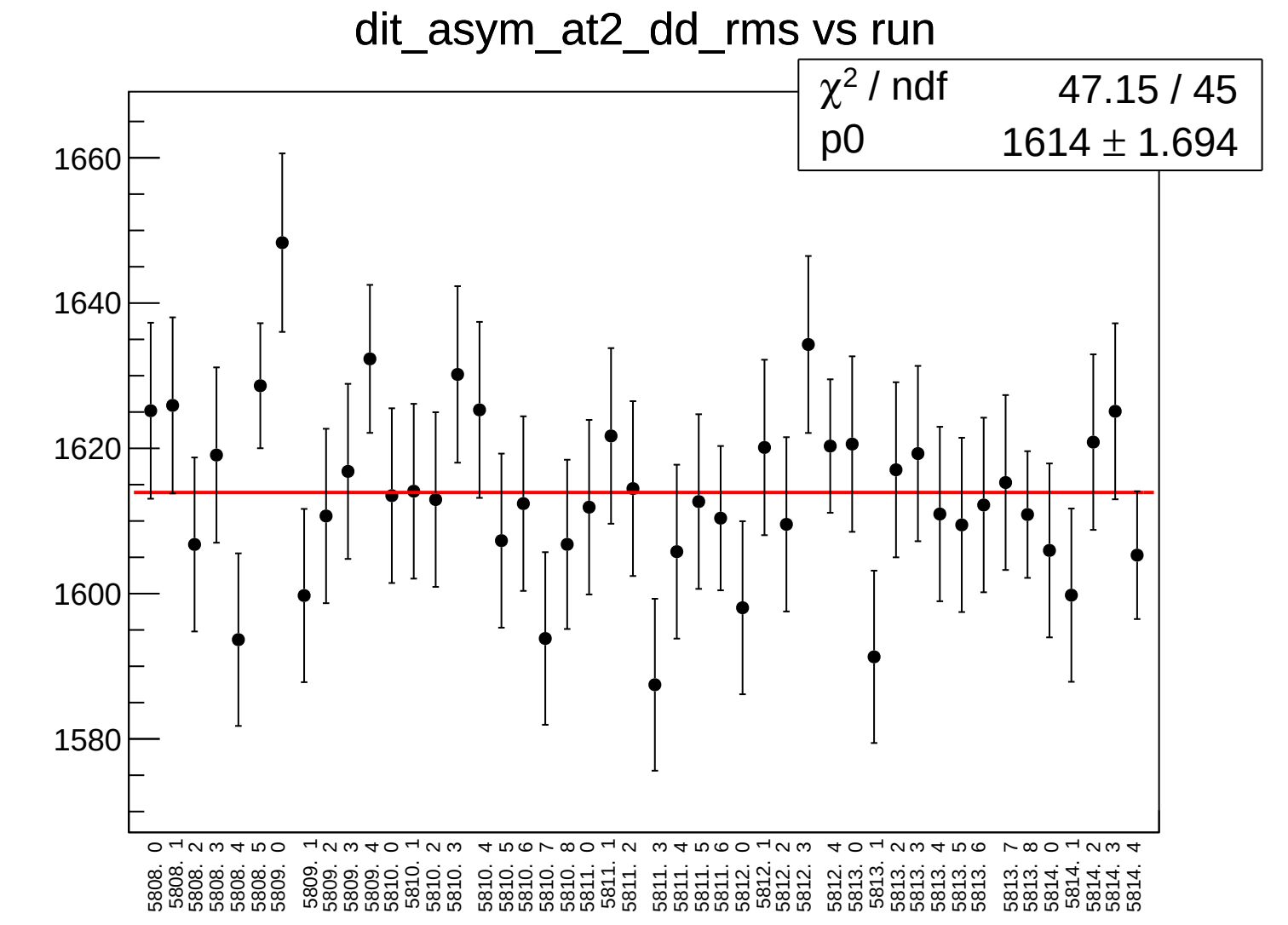

asym_at2_avg_mean vs run
×10^3
χ² / ndf 51.46 / 45
p0 −3.047e+04 ± 1.115e+04
300
200
100
0
−100
−200
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 354.7
Std Dev 337.6
3
2
1
0
−1
−2

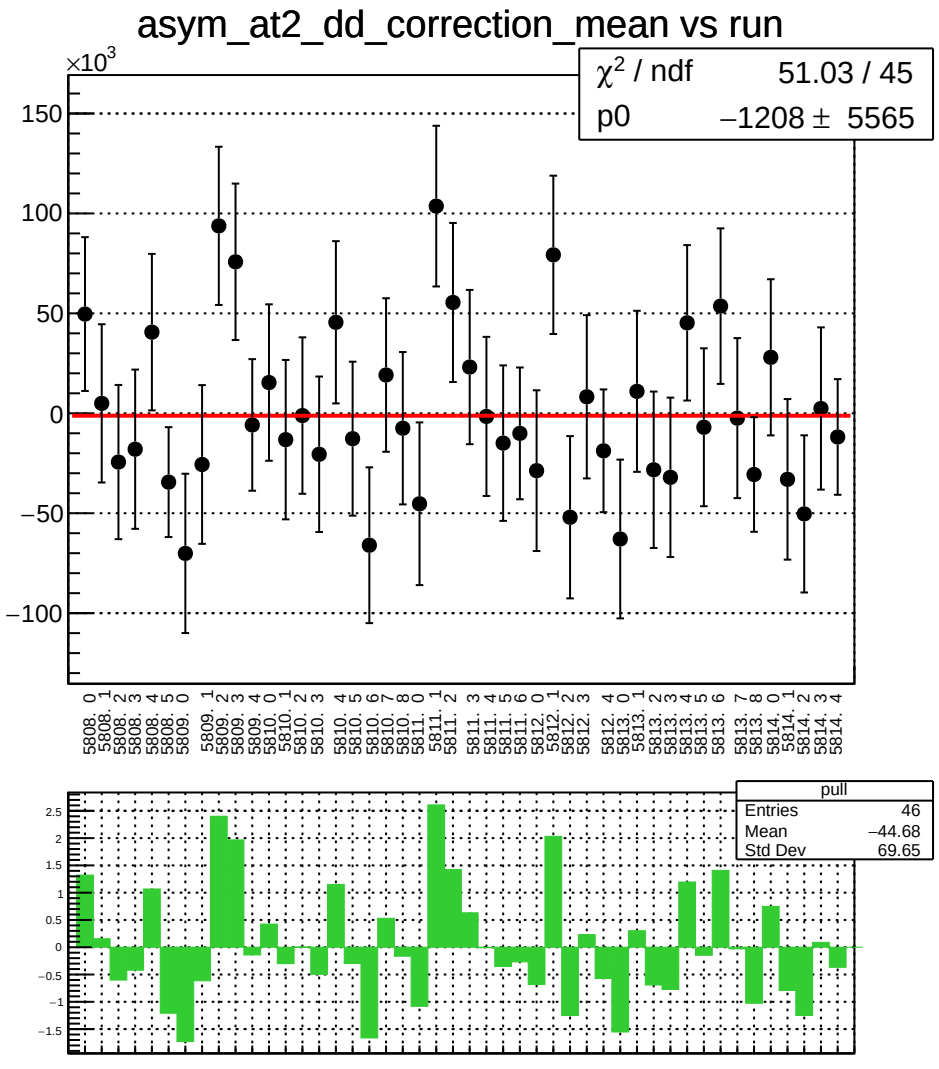

pull1D
Entries 46
Mean −0.005293
Std Dev 1.058
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

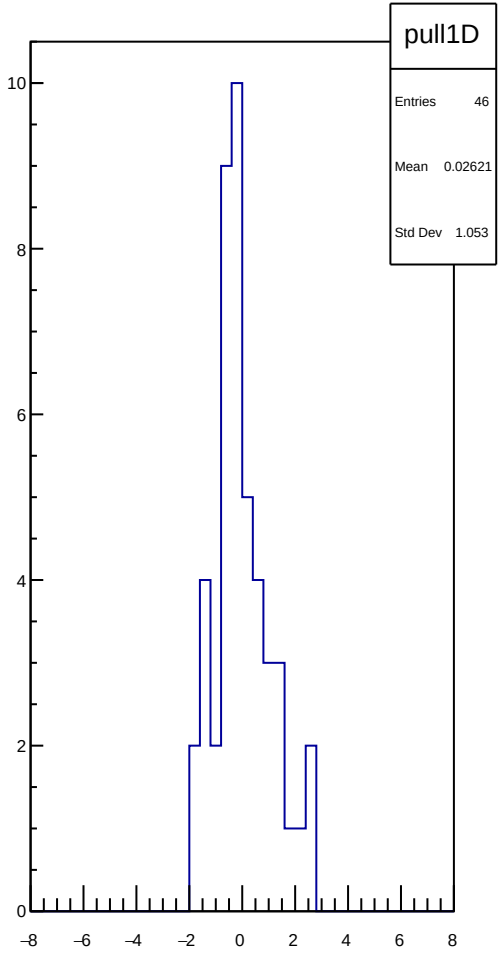

asym_at2_avg_rms vs run
χ² / ndf 1946 / 45
p0 7501 ± 7.883
8200
8000
7800
7600
7400
7200
7000
6800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

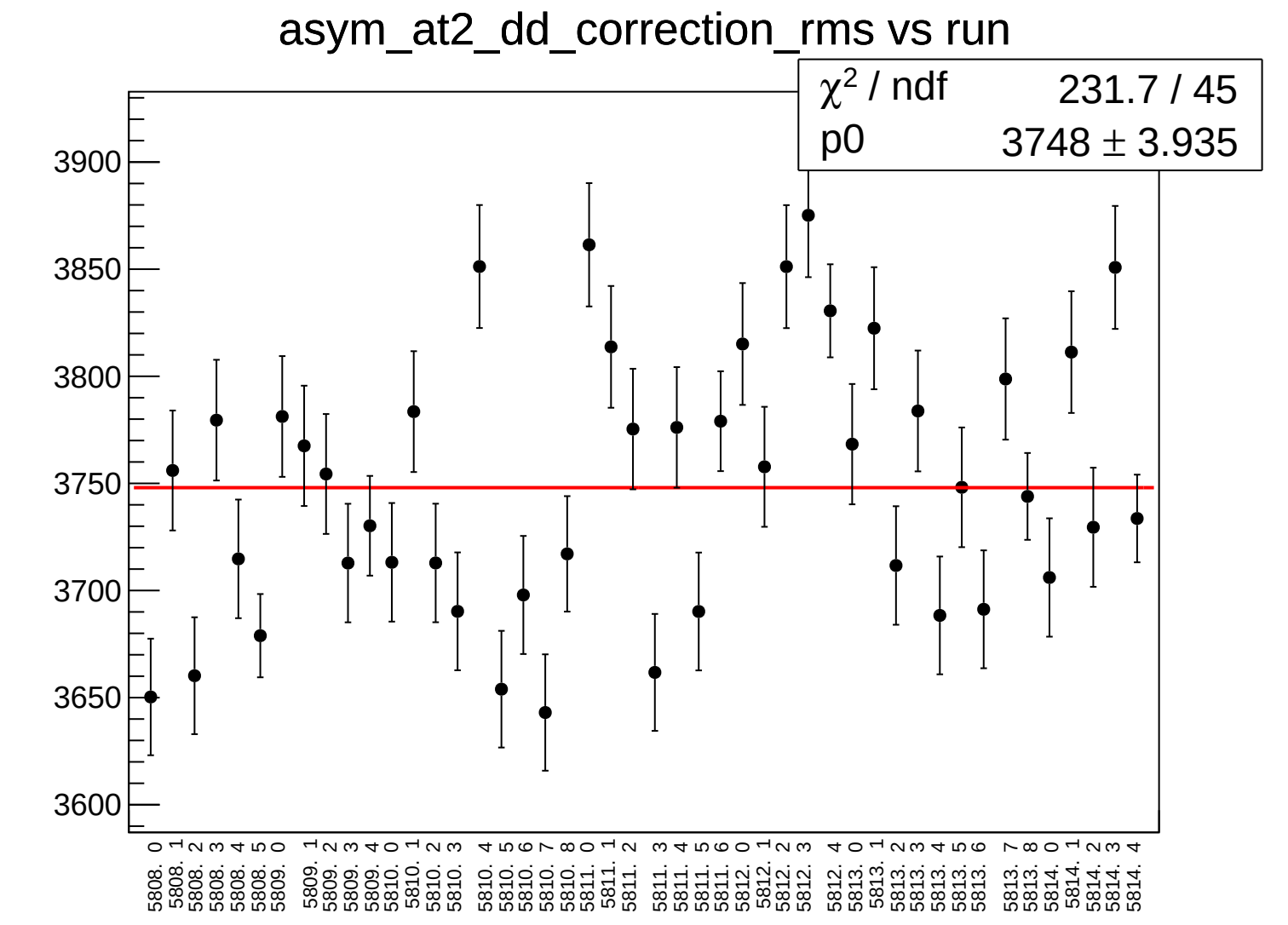

dit_asym_at2_dd_mean vs run
χ² / ndf 46.62 / 45
p0 −4392 ± 2396
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −87.92
Std Dev 110.8
2
1
0
−1
−2

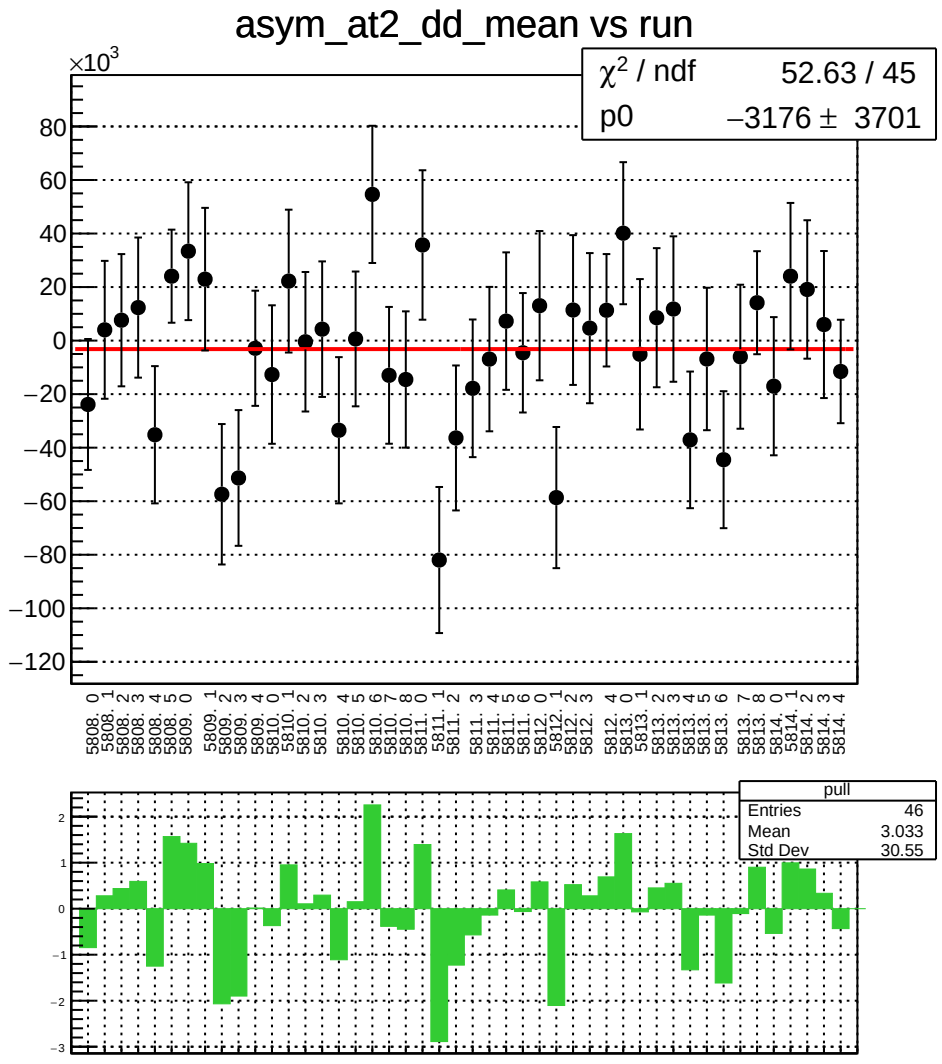

pull1D
Entries 46
Mean 0.0308
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

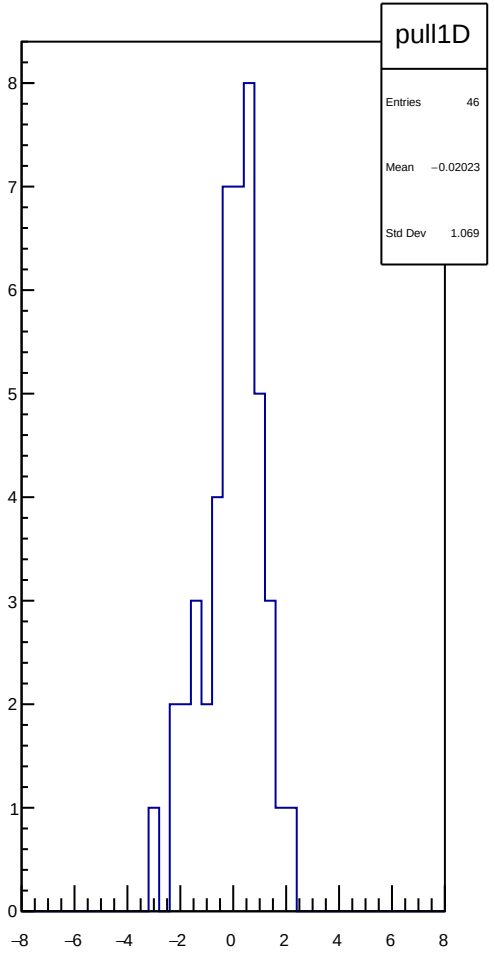

dit_asym_at2_dd_rms vs run
χ² / ndf 47.15 / 45
p0 1614 ± 1.694
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

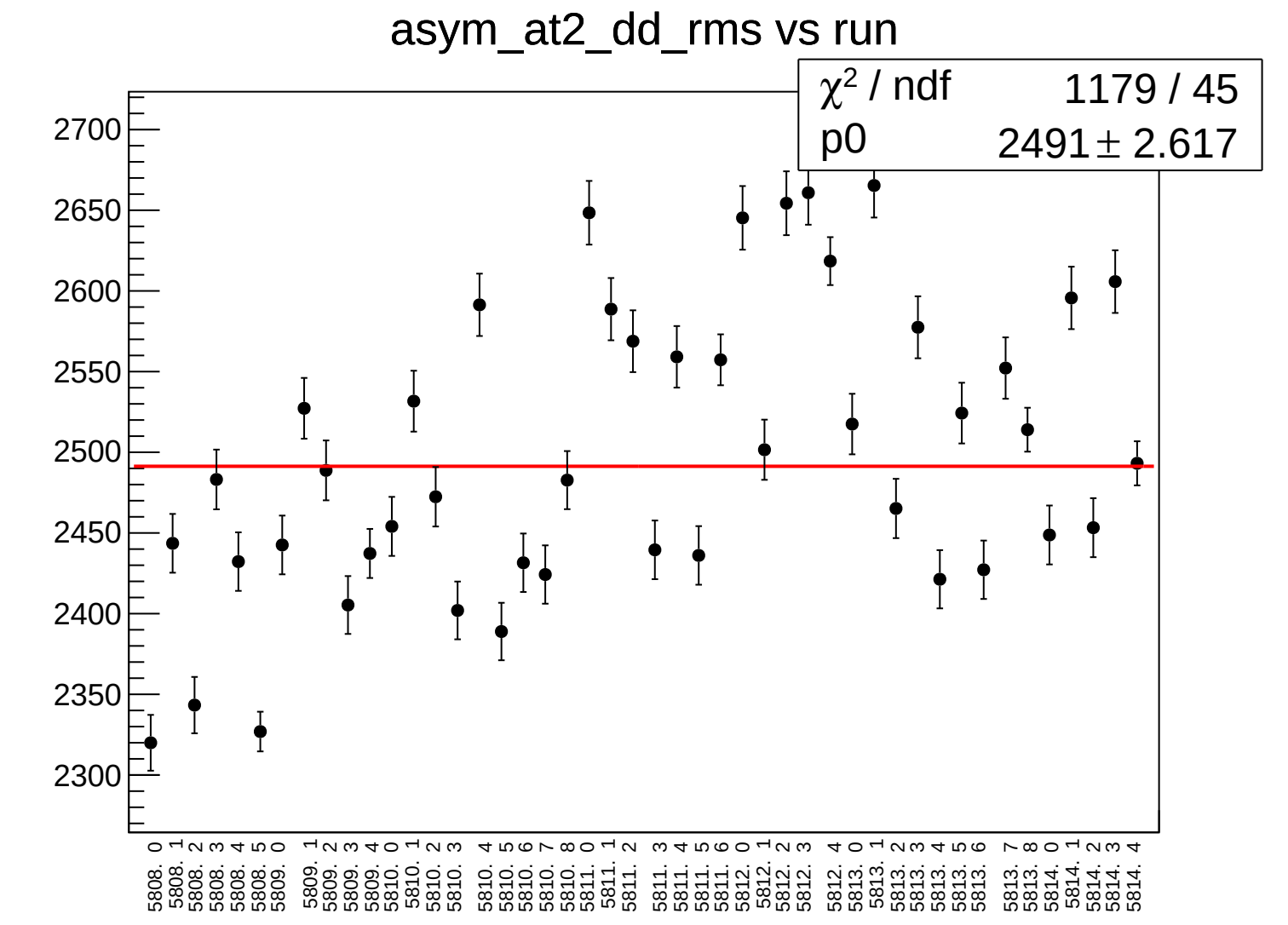

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 51.03 / 45
p0 −1208 ± 5565
150
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −44.68
Std Dev 69.65
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

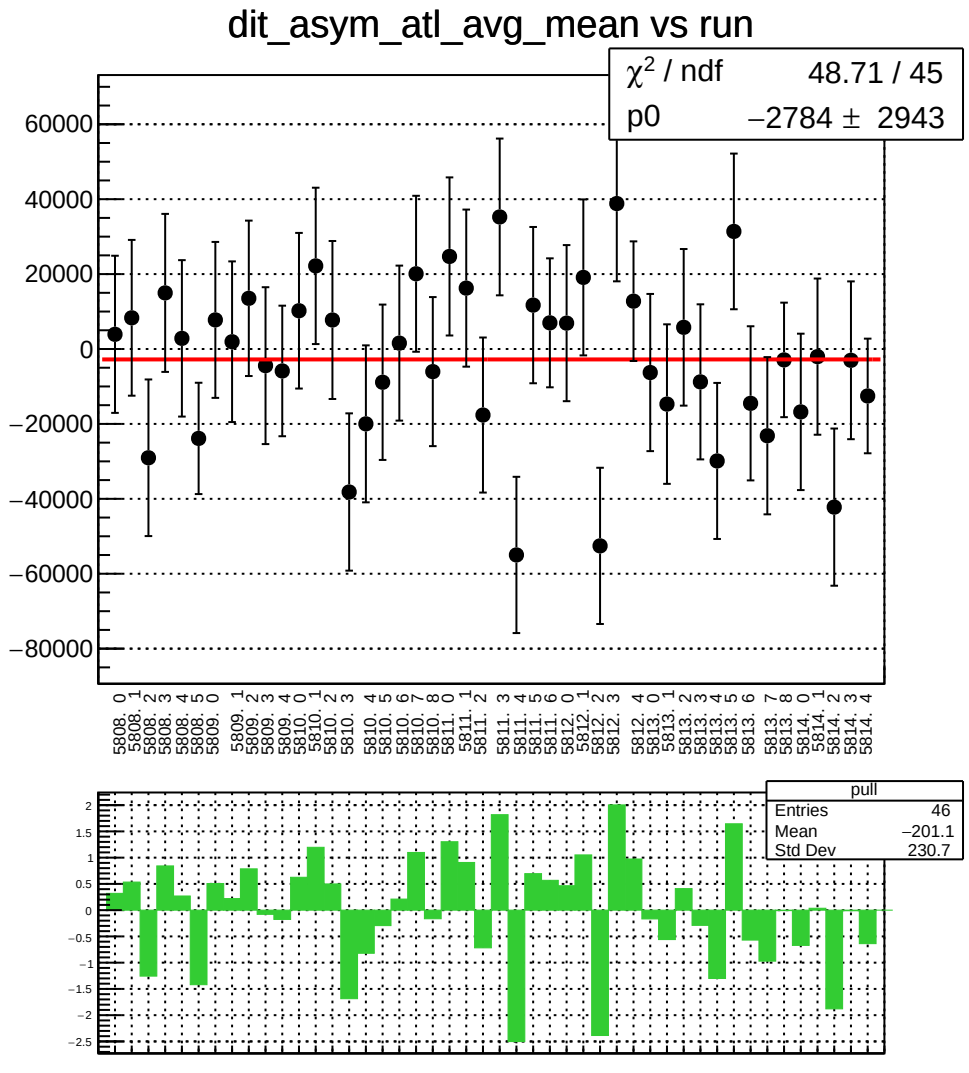

pull1D
Entries 46
Mean 0.02621
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

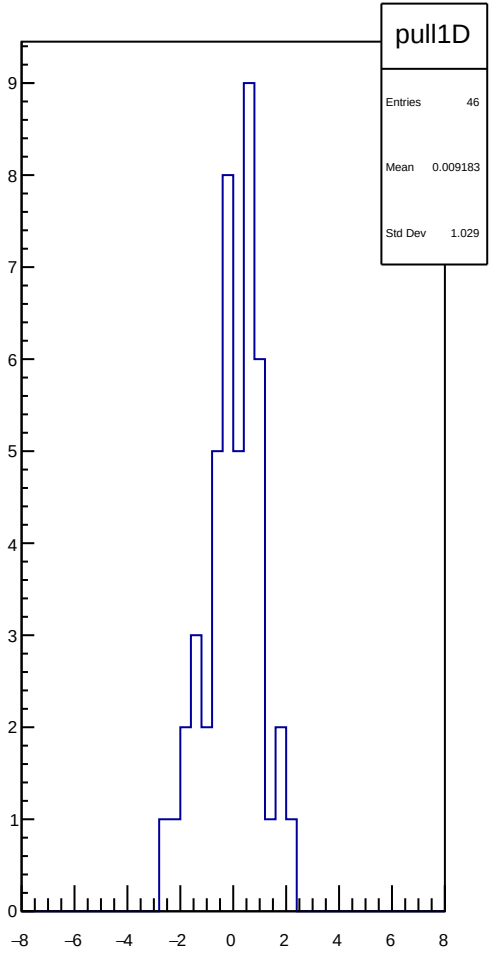

asym_at2_dd_correction_rms vs run
χ² / ndf 231.7 / 45
p0 3748 ± 3.935
3900
3850
3800
3750
3700
3650
3600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

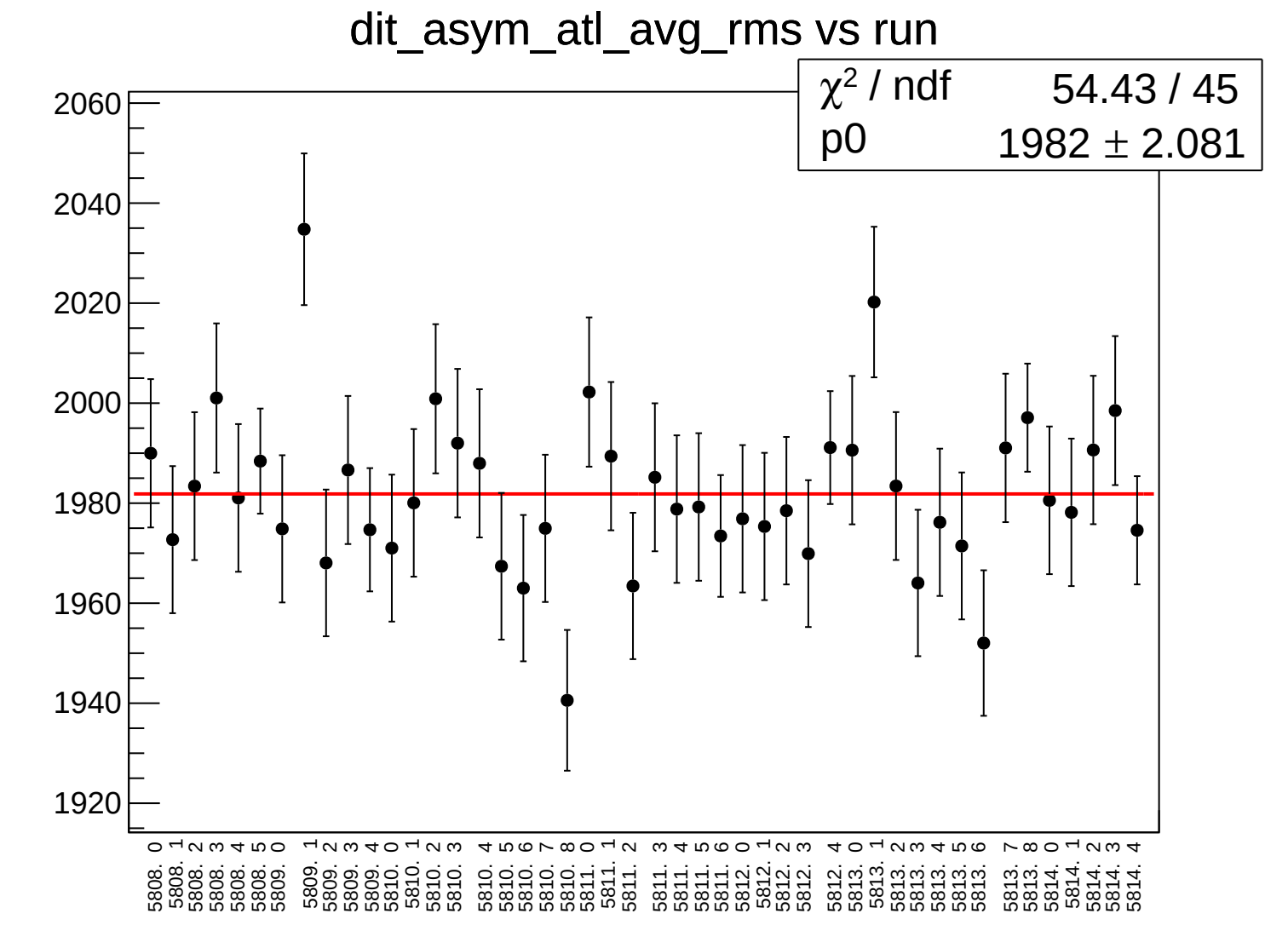

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 52.63 / 45
p0 −3176 ± 3701
80
60
40
20
0
−20
−40
−60
−80
−100
−120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 3.033
Std Dev 30.55
2
1
0
−1
−2
−3

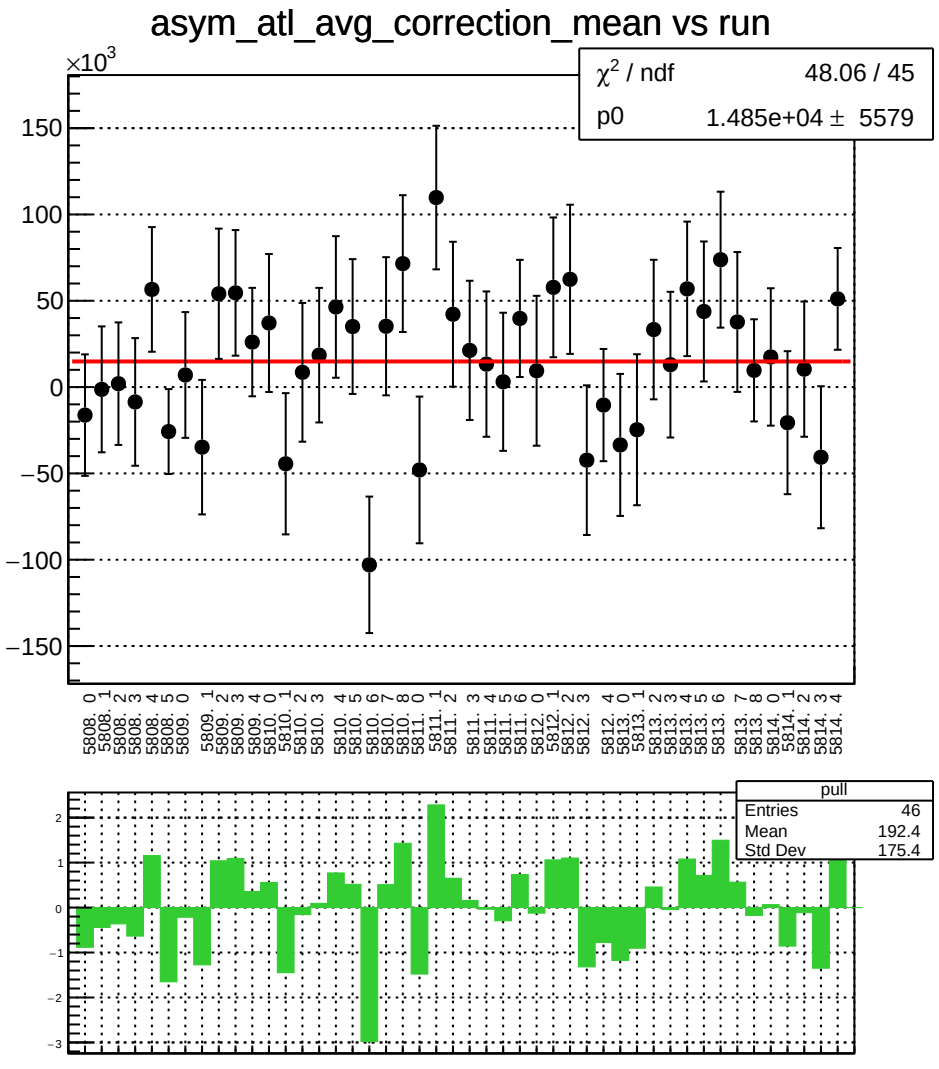

pull1D
Entries 46
Mean −0.02023
Std Dev 1.069
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

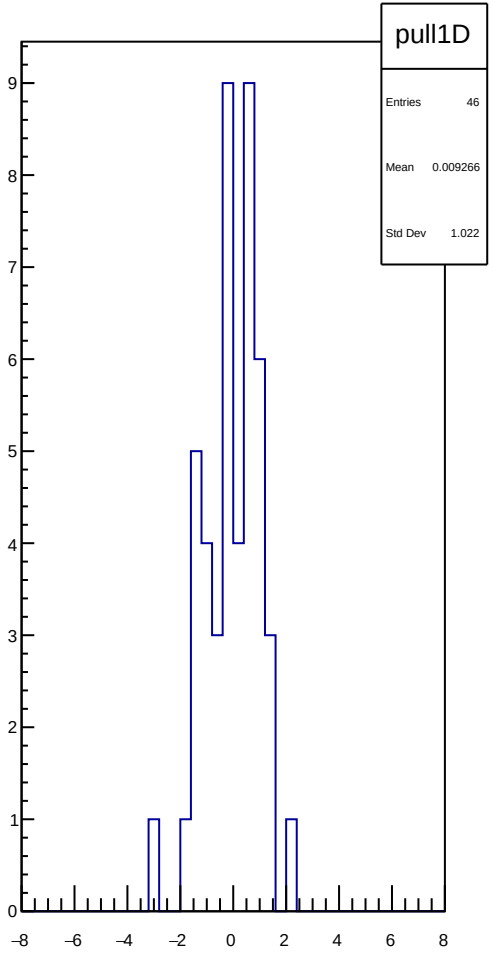

asym_at2_dd_rms vs run
χ² / ndf 1179 / 45
p0 2491 ± 2.617
2700
2650
2600
2550
2500
2450
2400
2350
2300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

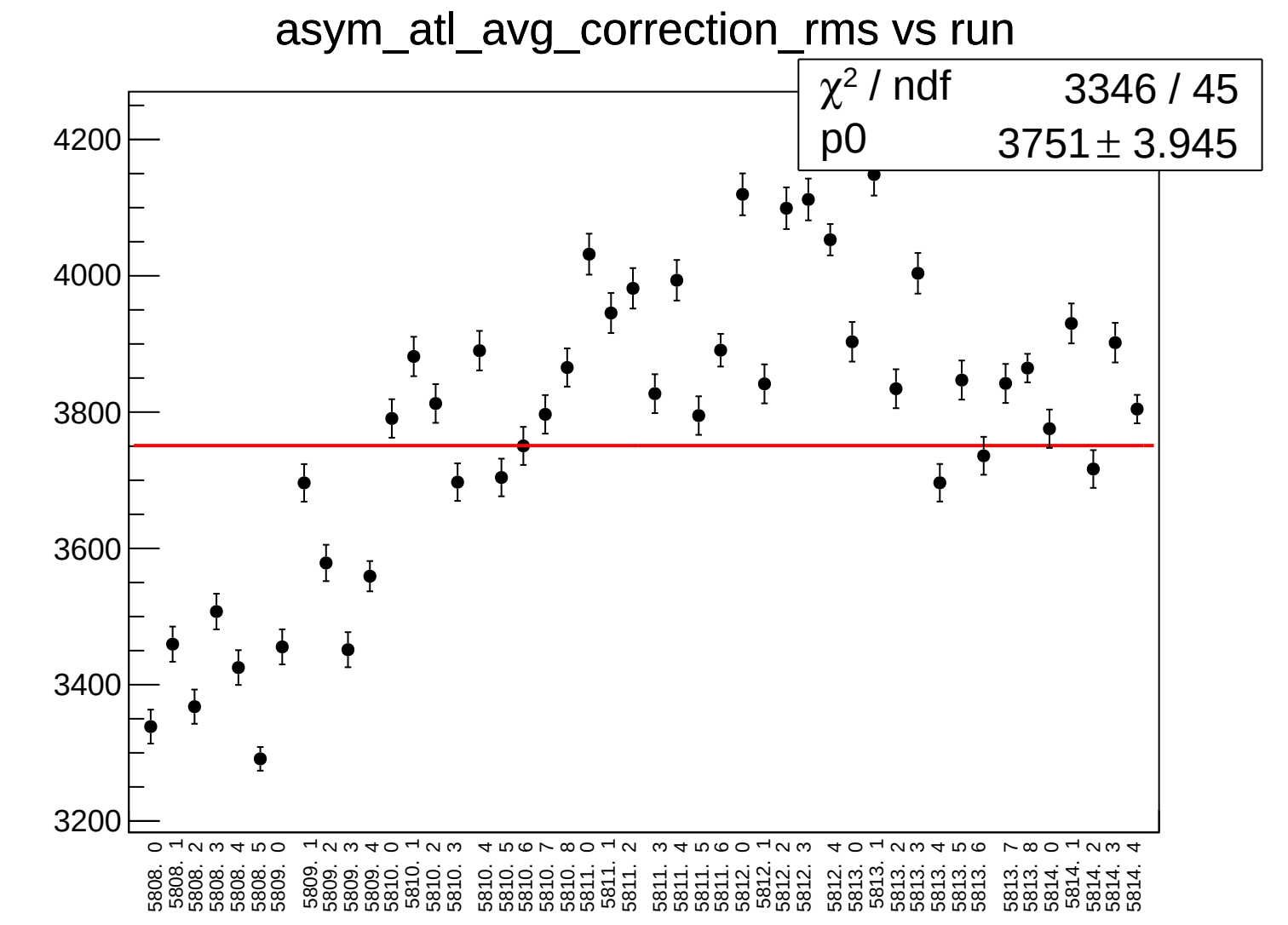

dit_asym_atl_avg_mean vs run
χ² / ndf 48.71 / 45
p0 −2784 ± 2943
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −201.1
Std Dev 230.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

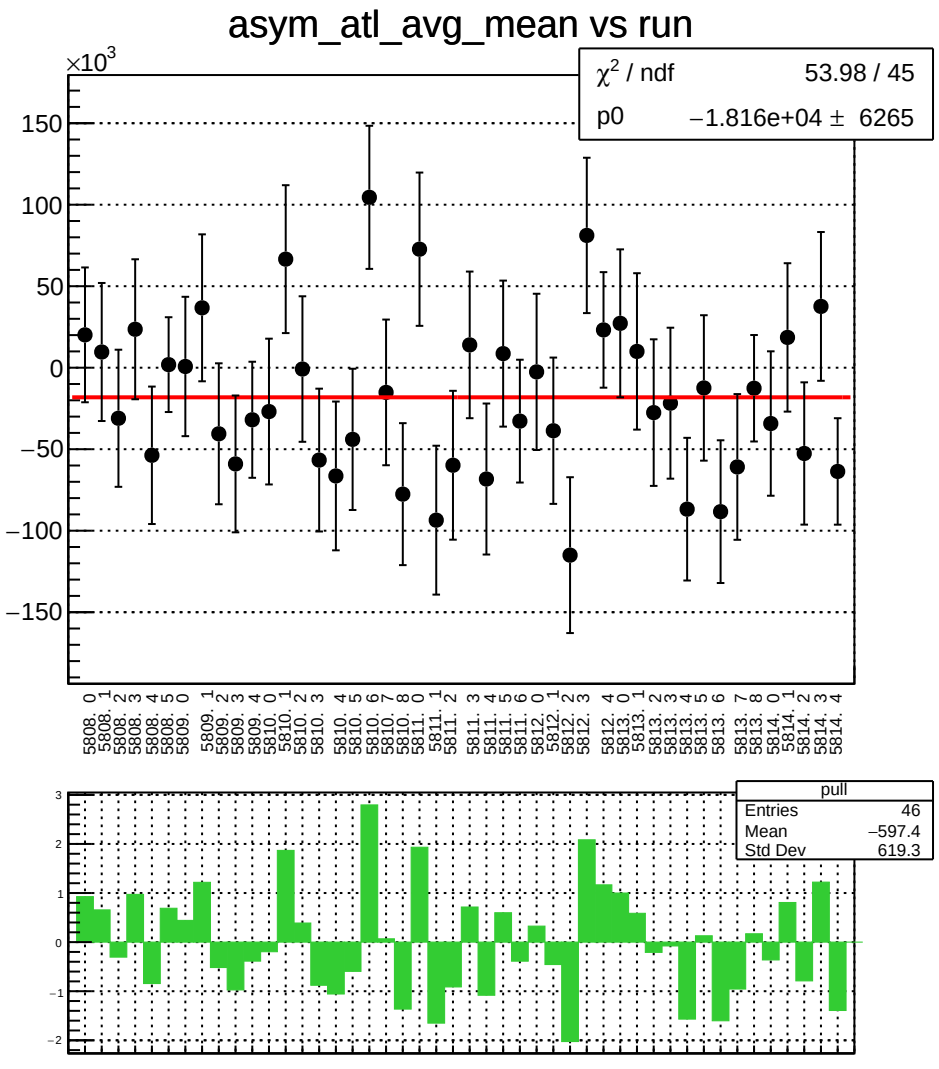

pull1D
Entries 46
Mean 0.009183
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

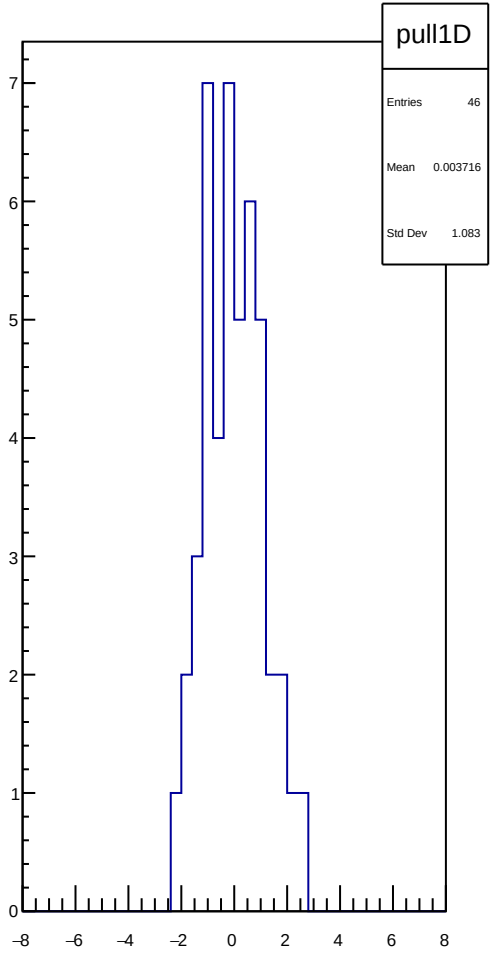

dit_asym_atl_avg_rms vs run
χ² / ndf 54.43 / 45
p0 1982 ± 2.081
2060
2040
2020
2000
1980
1960
1940
1920
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

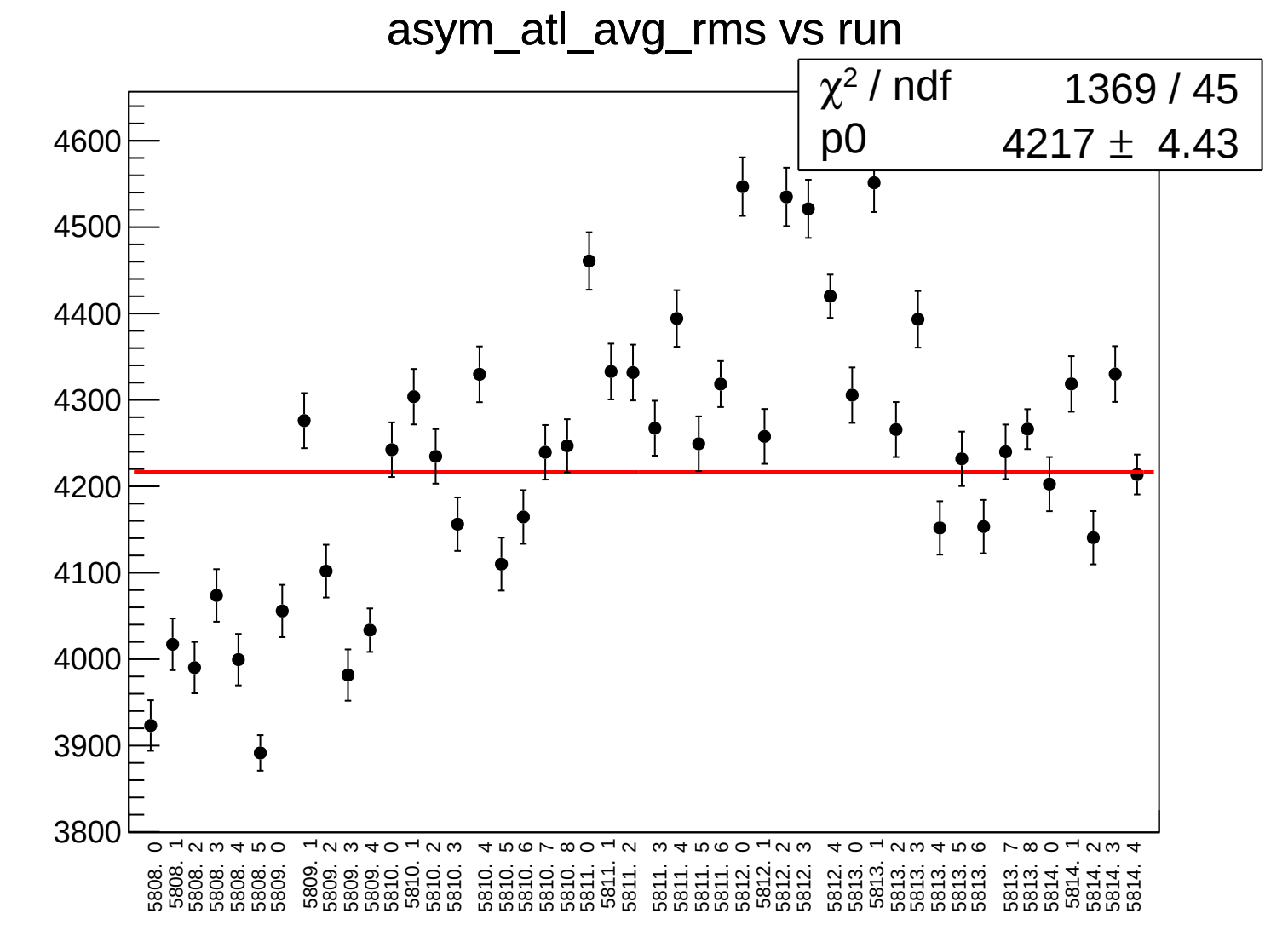

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 48.06 / 45
p0 1.485e+04 ± 5579
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 192.4
Std Dev 175.4
2
1
0
−1
−2
−3

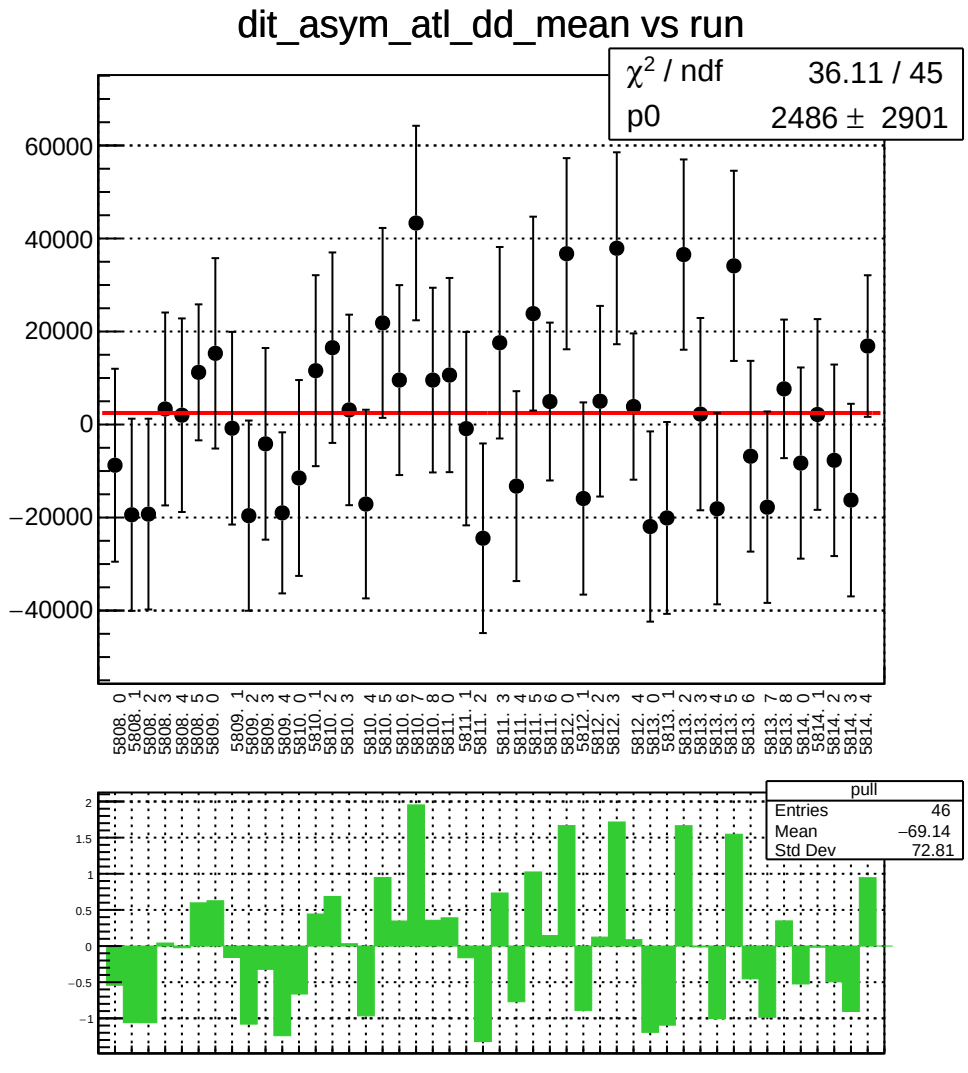

pull1D
Entries 46
Mean 0.009266
Std Dev 1.022
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

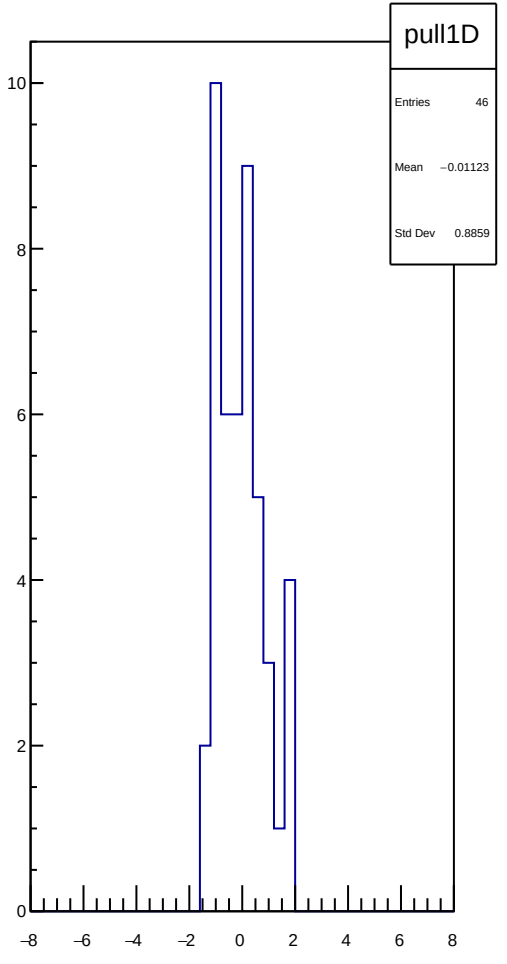

asym_atl_avg_correction_rms vs run
χ² / ndf 3346 / 45
p0 3751 ± 3.945
4200
4000
3800
3600
3400
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

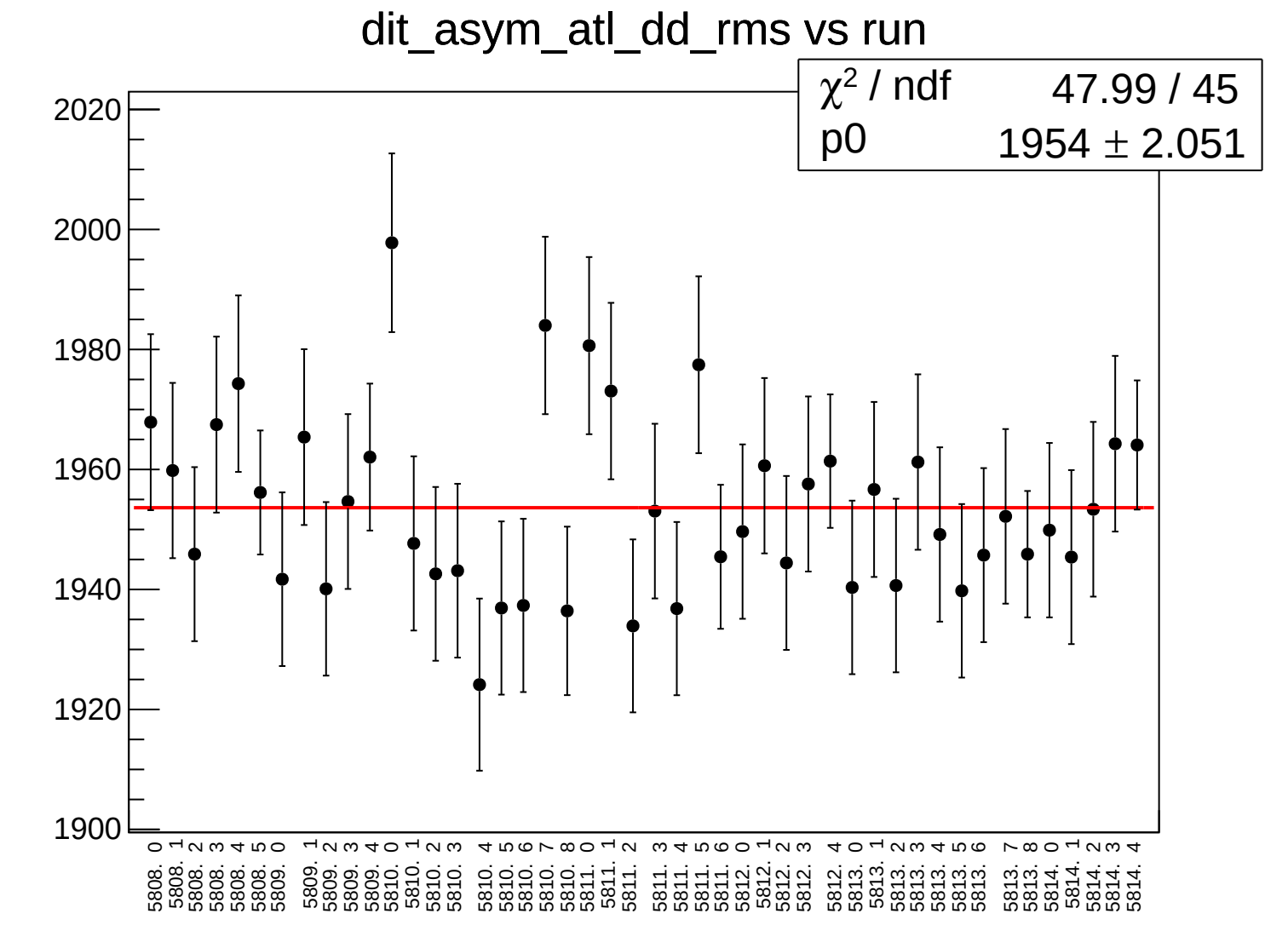

asym_atl_avg_mean vs run
×10^3
χ² / ndf 53.98 / 45
p0 −1.816e+04 ± 6265
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −597.4
Std Dev 619.3
3
2
1
0
−1
−2

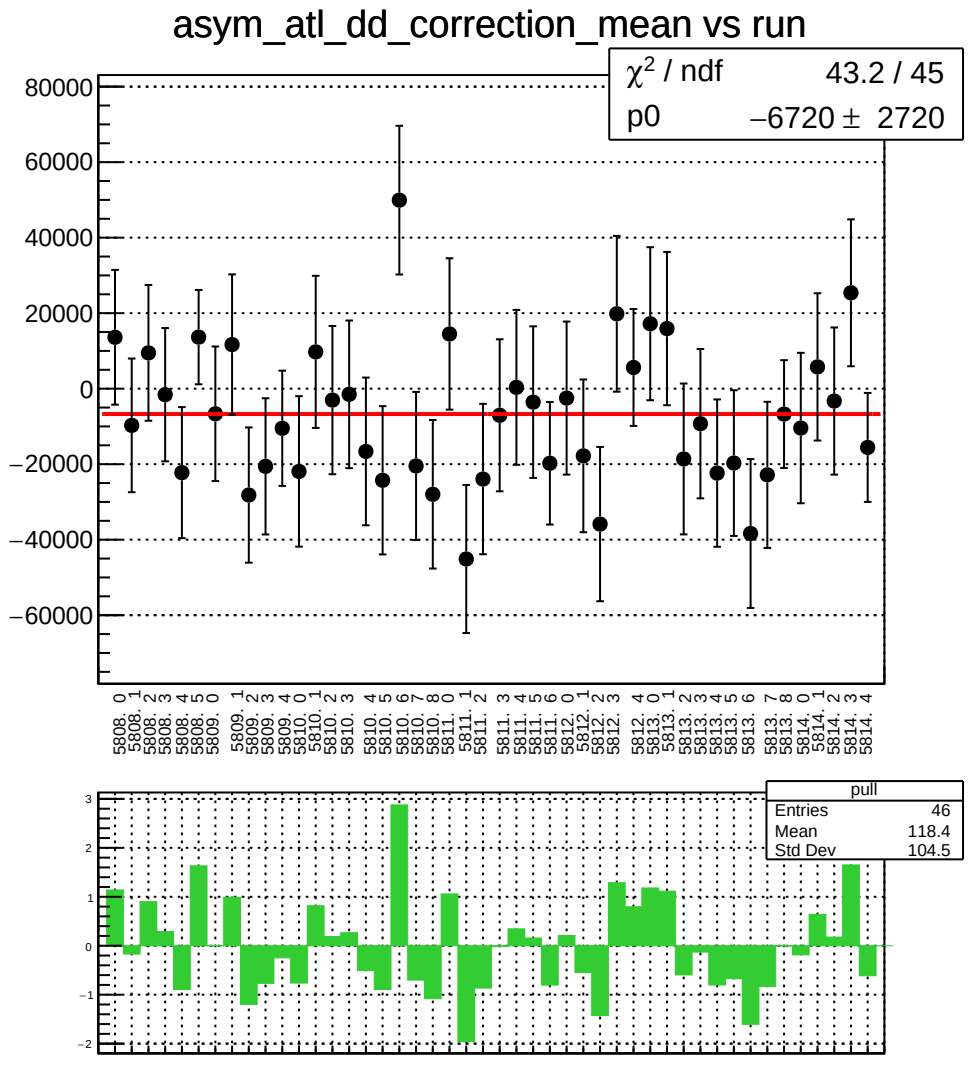

pull1D
Entries 46
Mean 0.003716
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

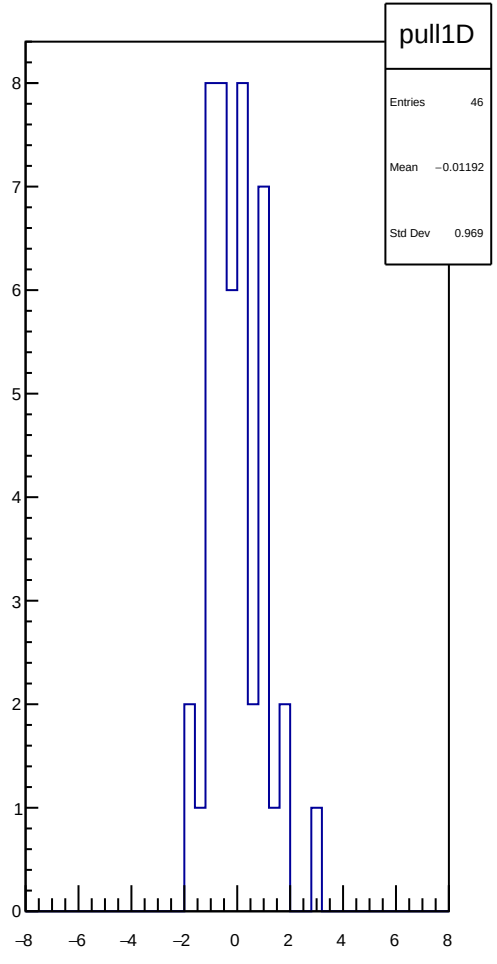

asym_atl_avg_rms vs run
χ² / ndf 1369 / 45
p0 4217 ± 4.43
4600
4500
4400
4300
4200
4100
4000
3900
3800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

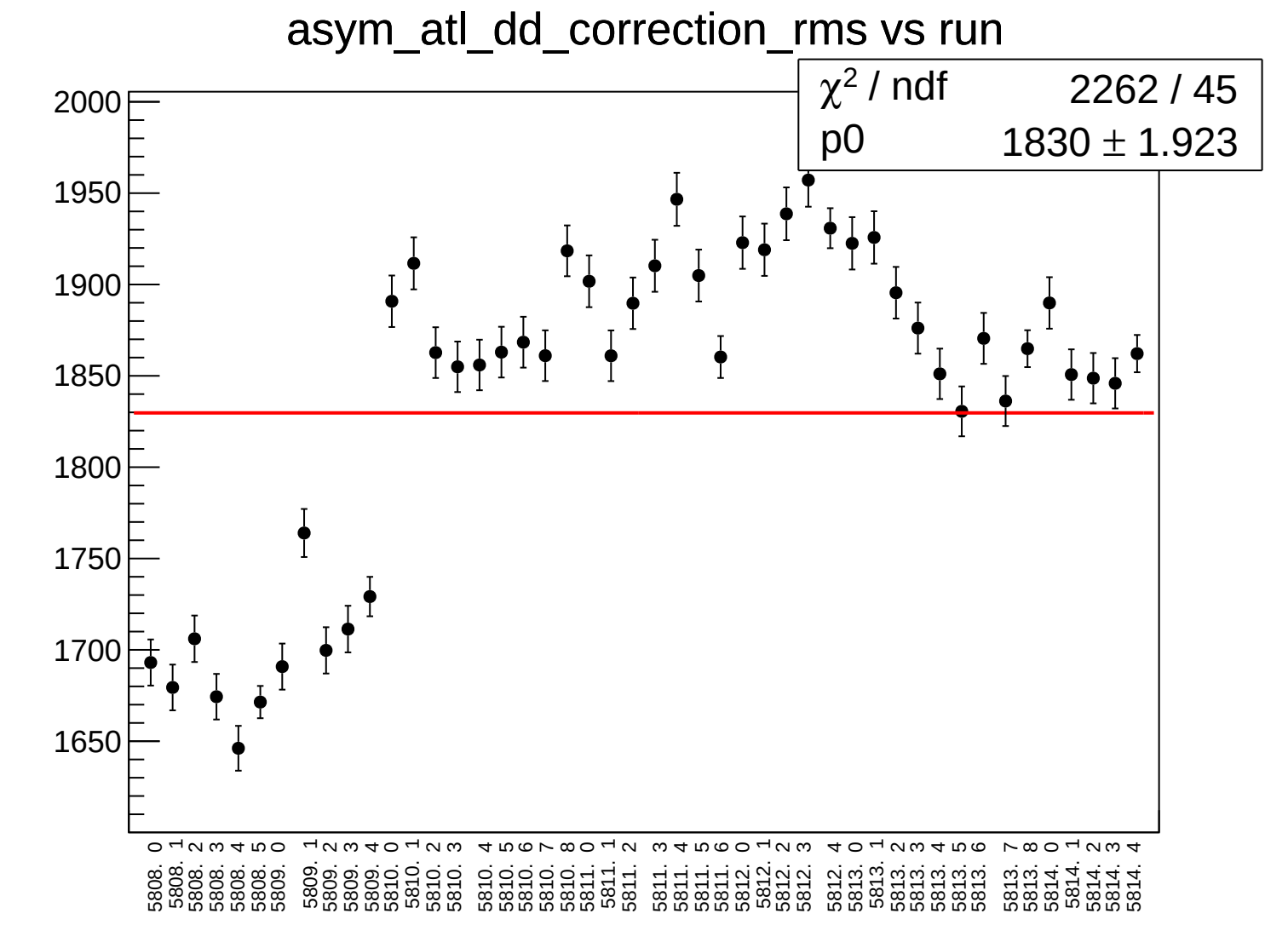

dit_asym_atl_dd_mean vs run
χ^2 / ndf 36.11 / 45
p0 2486 ± 2901
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −69.14
Std Dev 72.81
2
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 46
Mean −0.01123
Std Dev 0.8859
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_dd_rms vs run
χ^2 / ndf 47.99 / 45
p0 1954 ± 2.051
2020
2000
1980
1960
1940
1920
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_atl_dd_correction_mean vs run
χ² / ndf 43.2 / 45
p0 −6720 ± 2720
pull
Entries 46
Mean 118.4
Std Dev 104.5


pull1D
Entries 46
Mean −0.01192
Std Dev 0.969


asym_atl_dd_correction_rms vs run
χ² / ndf 2262 / 45
p0 1830 ± 1.923
2000
1950
1900
1850
1800
1750
1700
1650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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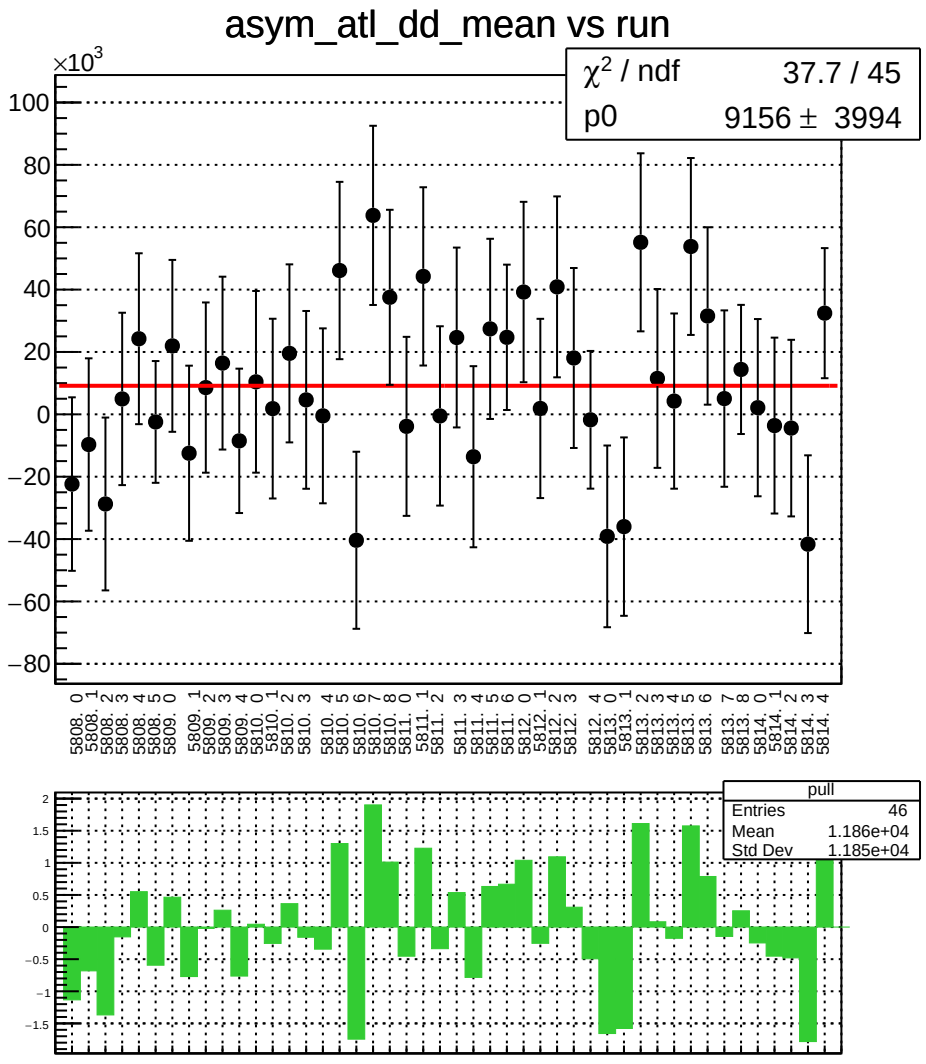
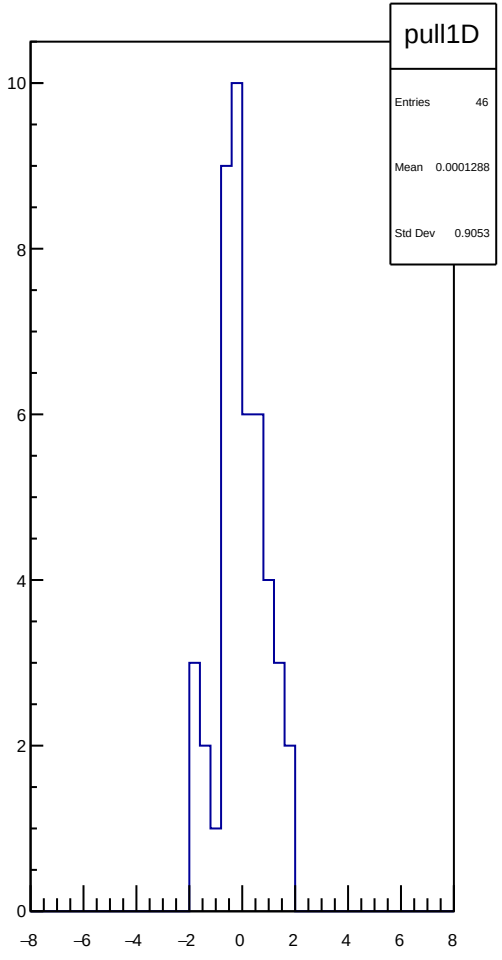
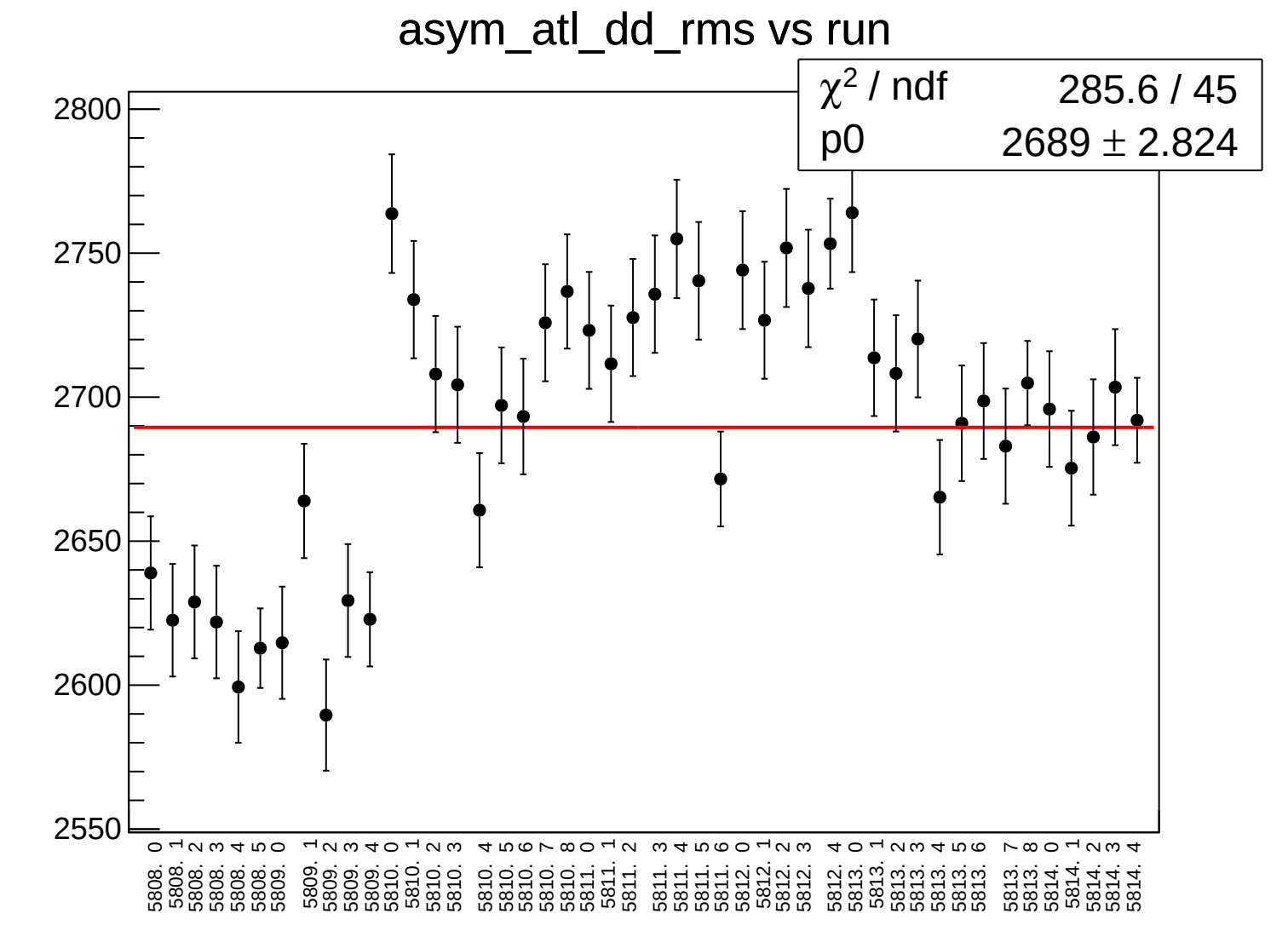
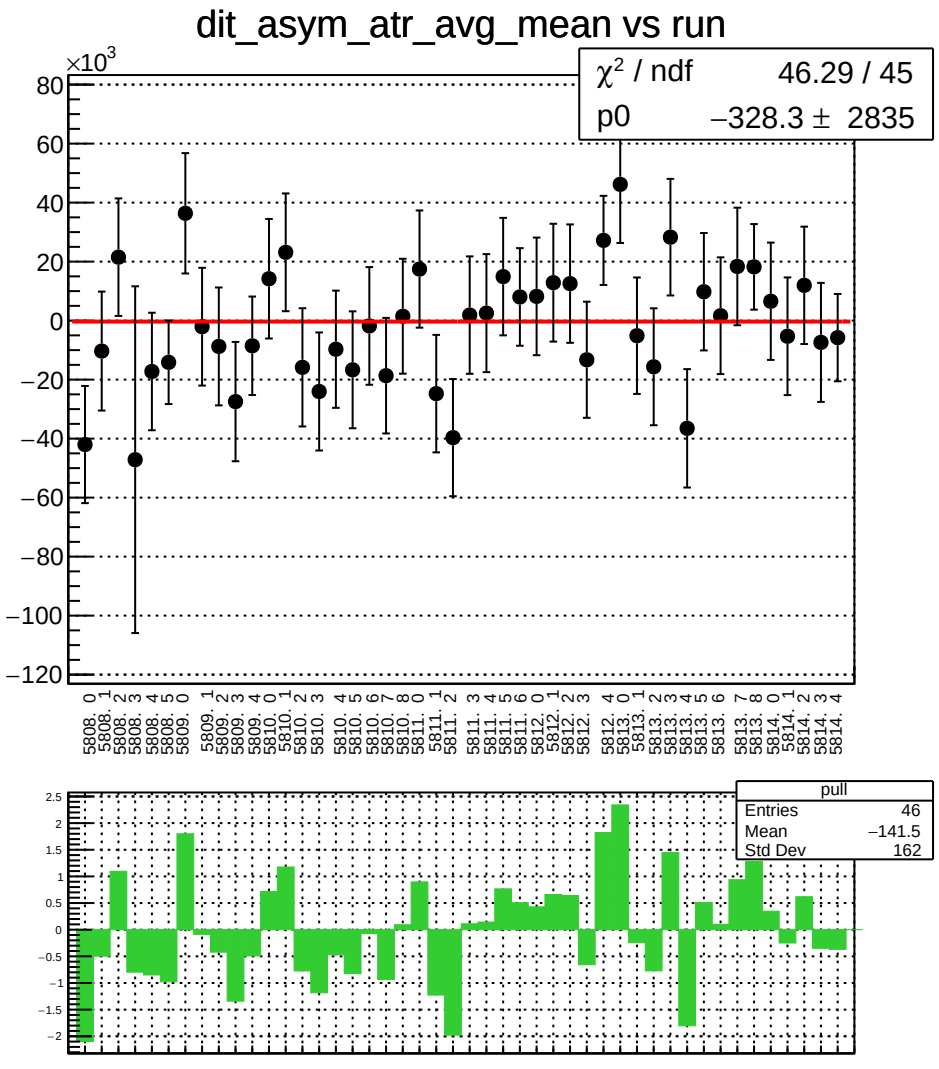
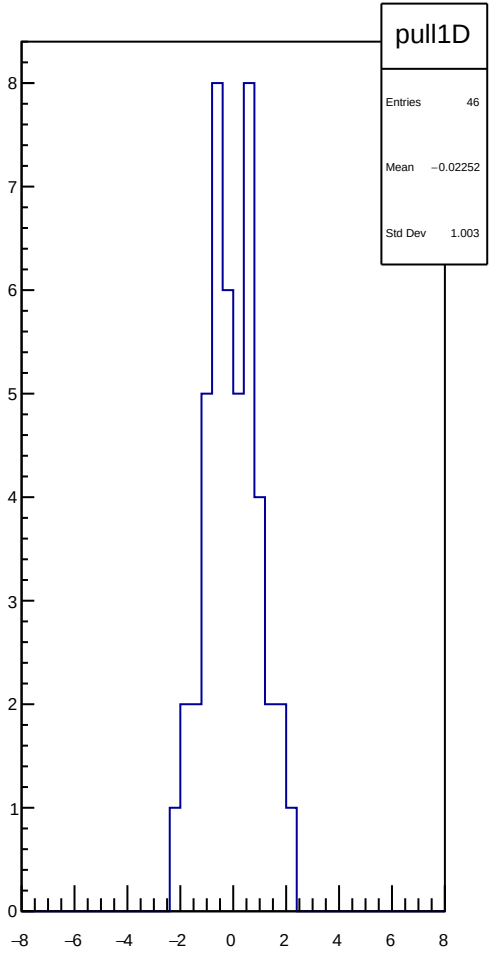
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

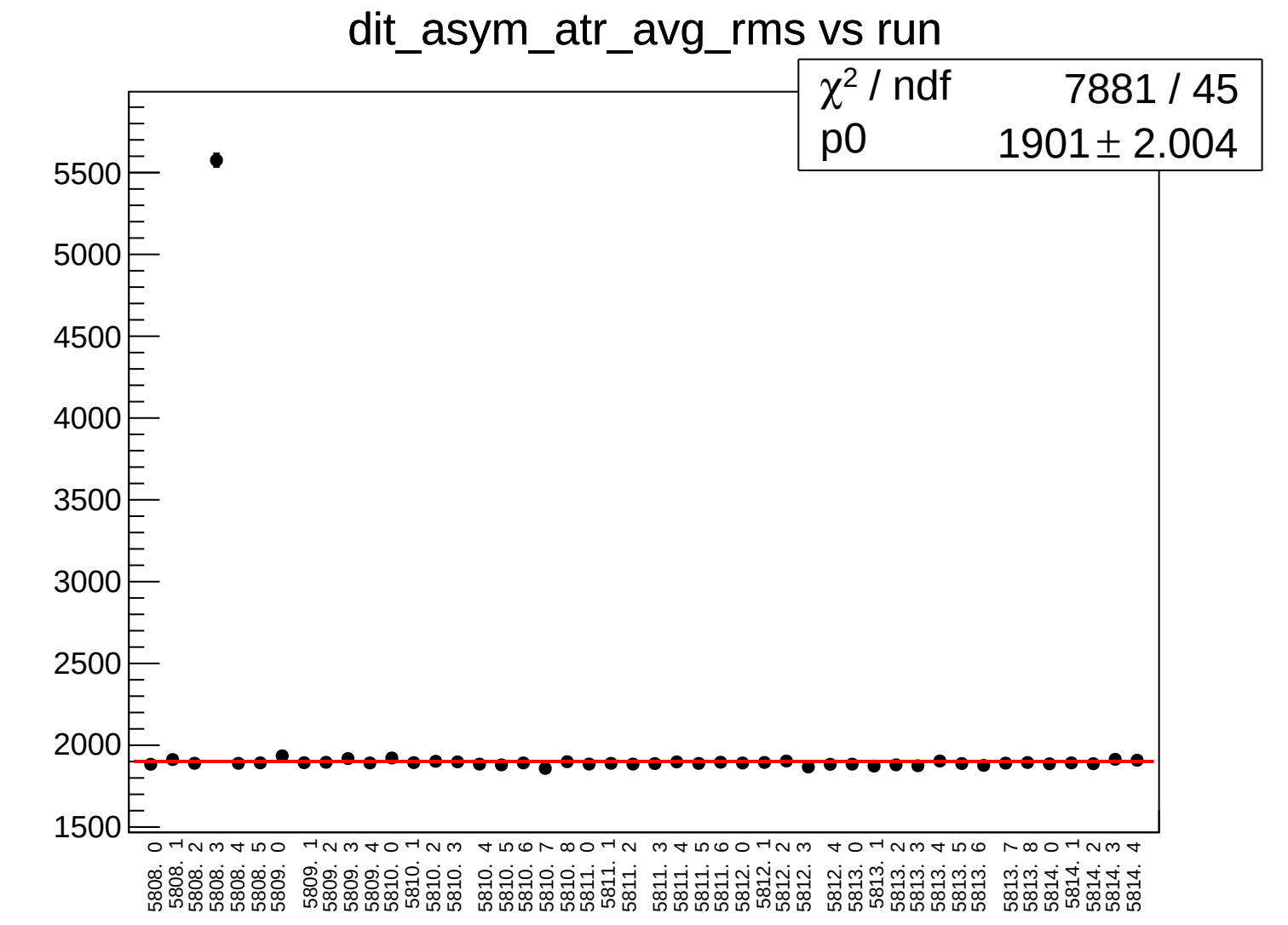

asym_atl_dd_mean vs run
×10^3
χ² / ndf 37.7 / 45
p0 9156 ± 3994
100
80
60
40
20
0
−20
−40
−60
−80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1.186e+04
Std Dev 1.185e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5

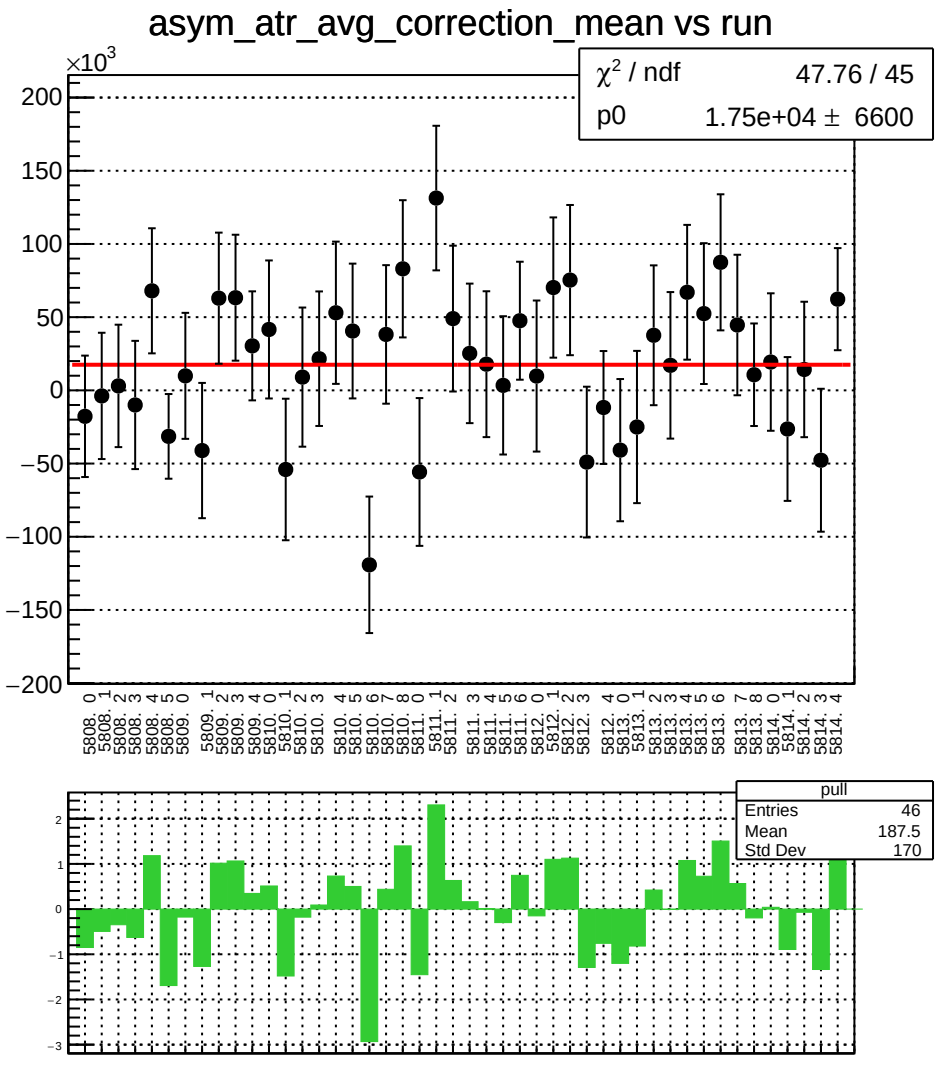

pull1D
Entries 46
Mean 0.0001288
Std Dev 0.9053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

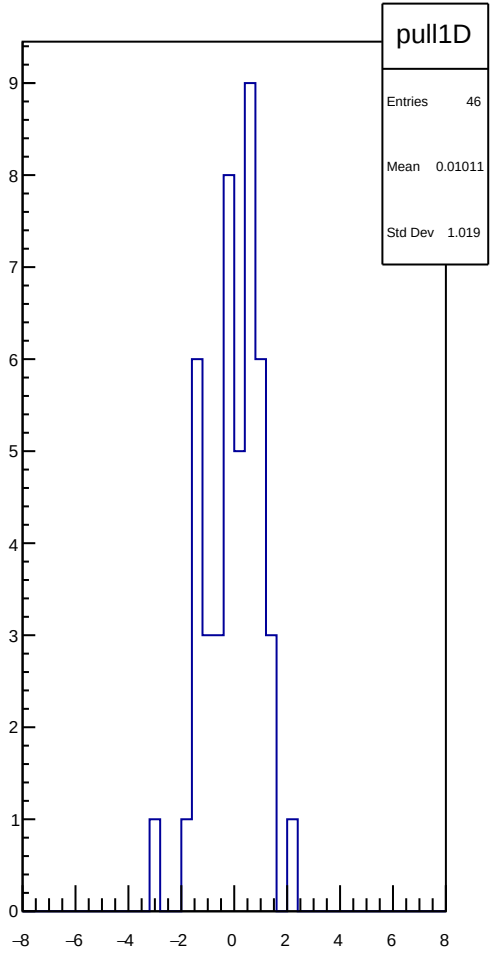

asym_atl_dd_rms vs run
χ² / ndf 285.6 / 45
p0 2689 ± 2.824
2800
2750
2700
2650
2600
2550
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

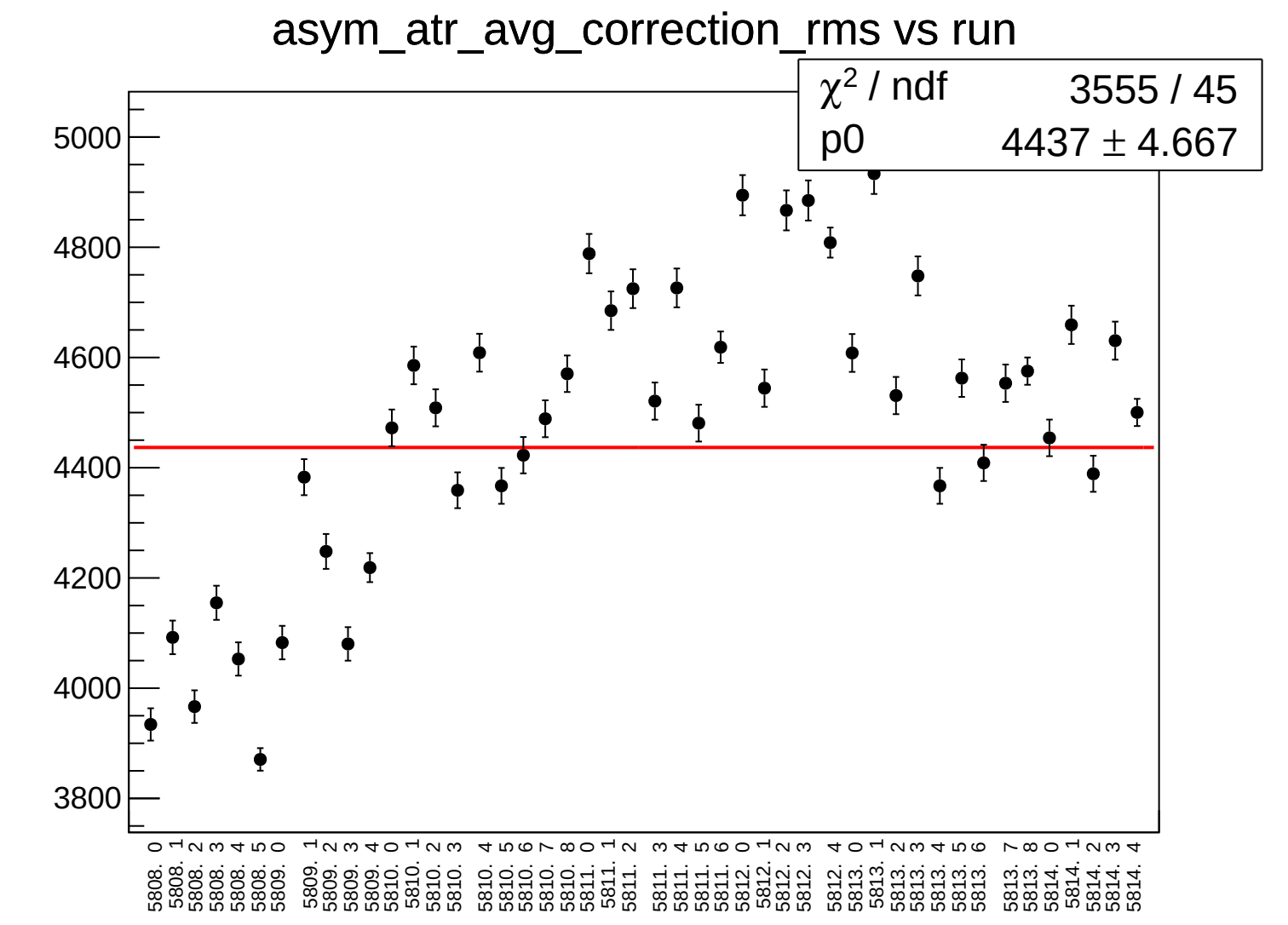

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 46.29 / 45
p0 −328.3 ± 2835
pull
Entries 46
Mean −141.5
Std Dev 162

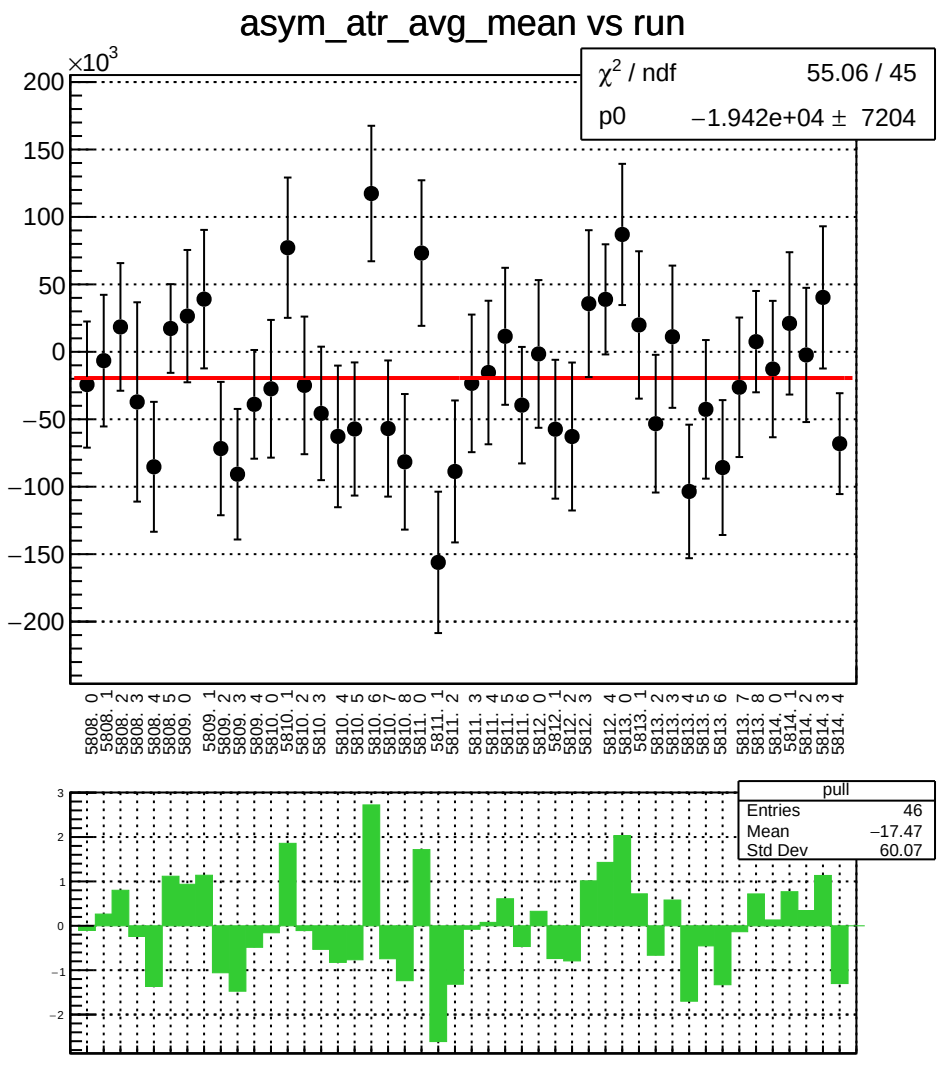

pull1D
Entries 46
Mean −0.02252
Std Dev 1.003

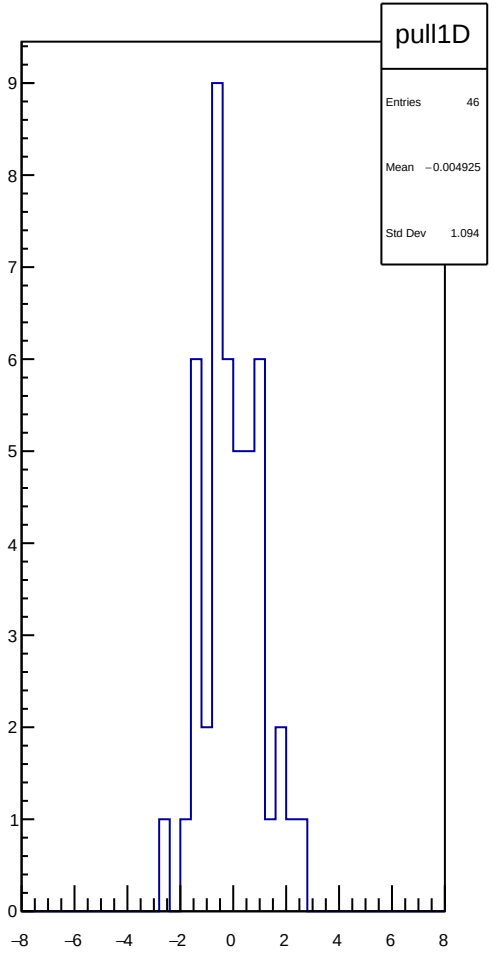

dit_asym_atr_avg_rms vs run
χ² / ndf 7881 / 45
p0 1901 ± 2.004
5500
5000
4500
4000
3500
3000
2500
2000
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

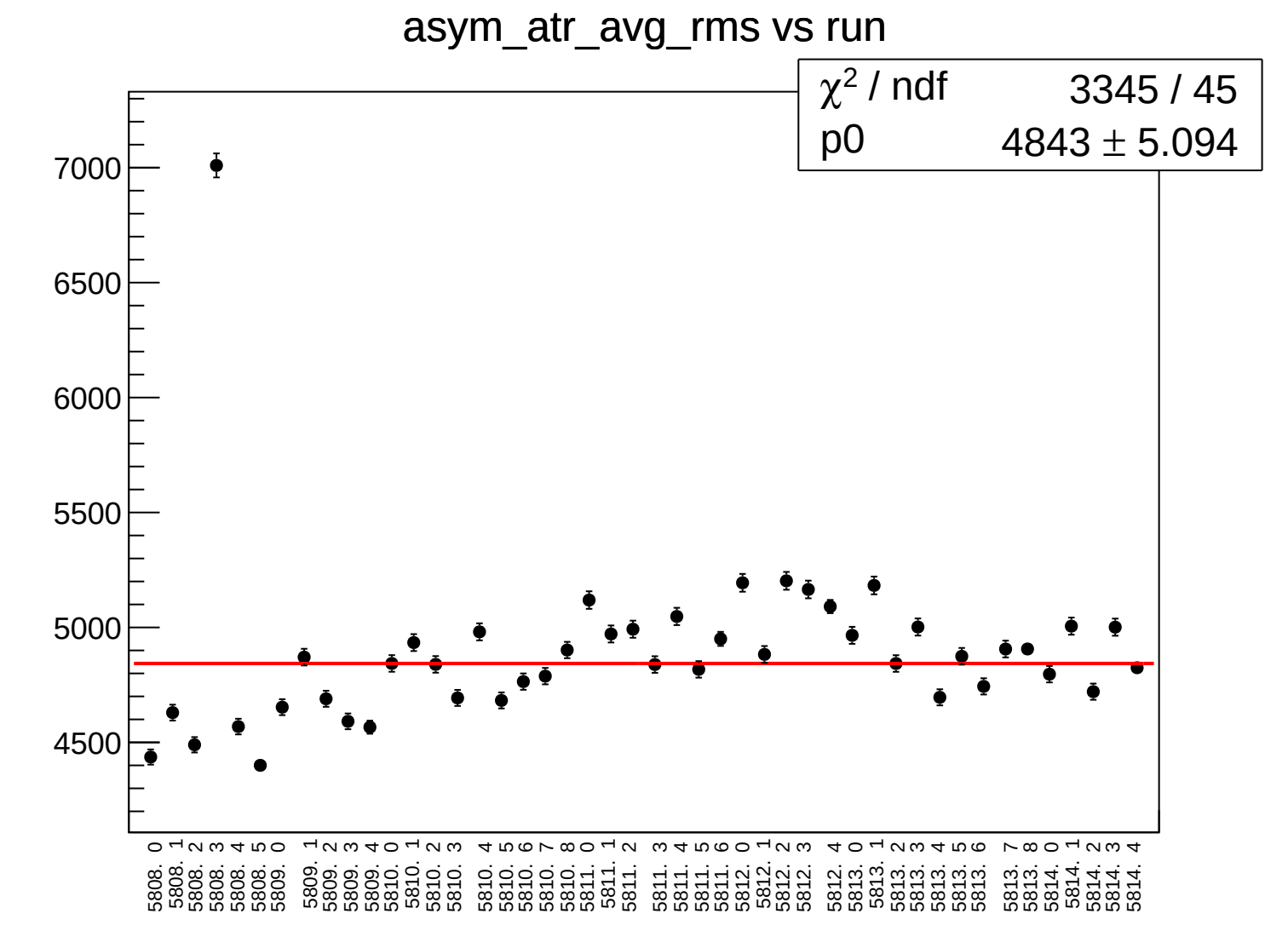

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 47.76 / 45
p0 1.75e+04 ± 6600
pull
Entries 46
Mean 187.5
Std Dev 170

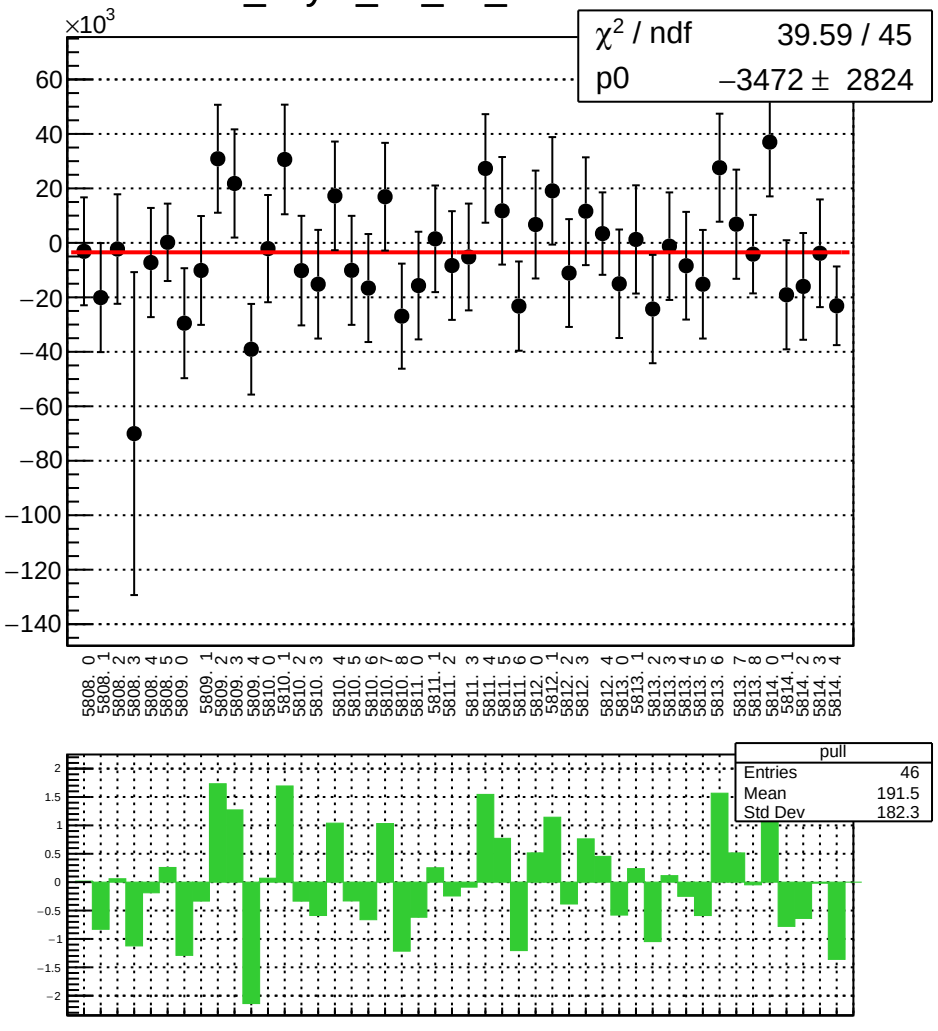

pull1D
Entries 46
Mean 0.01011
Std Dev 1.019

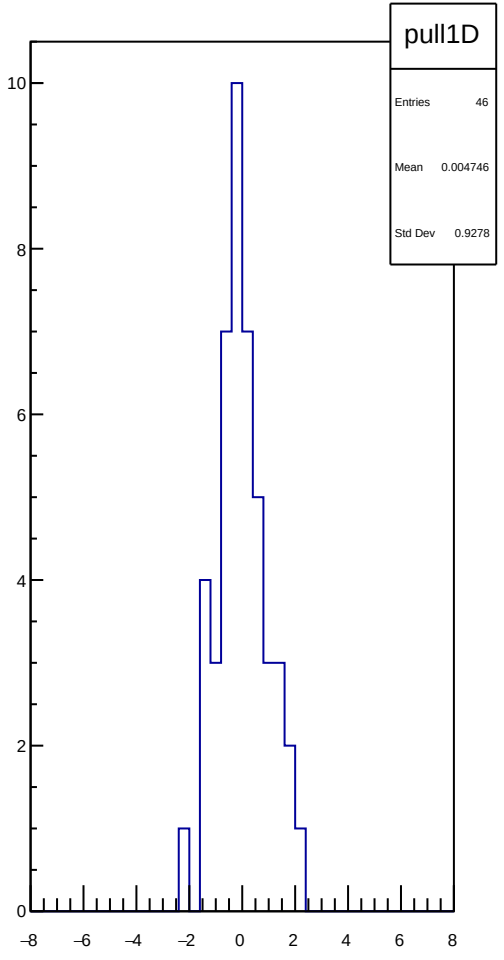

asym_atr_avg_correction_rms vs run
χ² / ndf 3555 / 45
p0 4437 ± 4.667
5000
4800
4600
4400
4200
4000
3800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

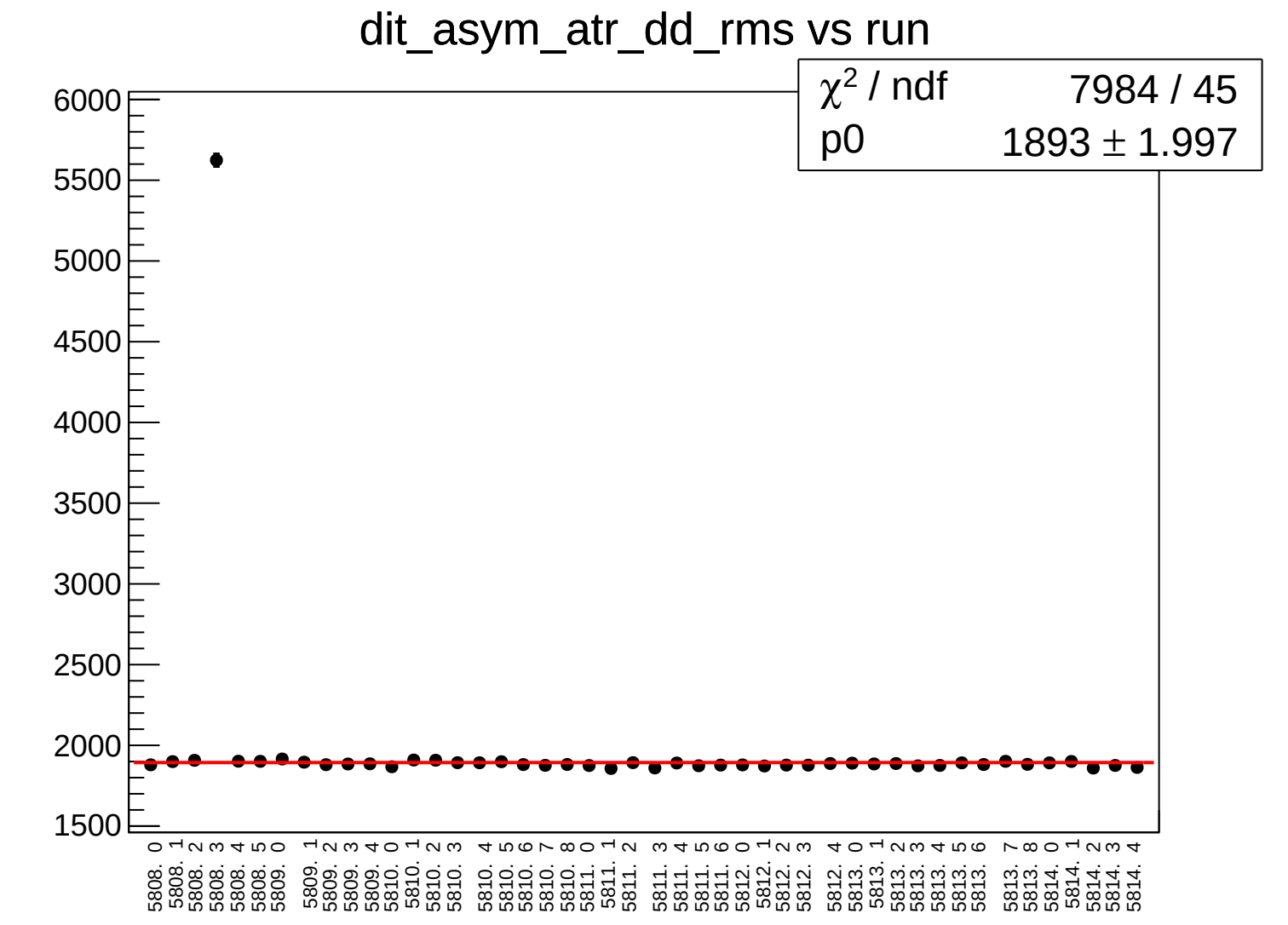

asym_atr_avg_mean vs run
×10^3
χ² / ndf 55.06 / 45
p0 −1.942e+04 ± 7204
pull
Entries 46
Mean −17.47
Std Dev 60.07

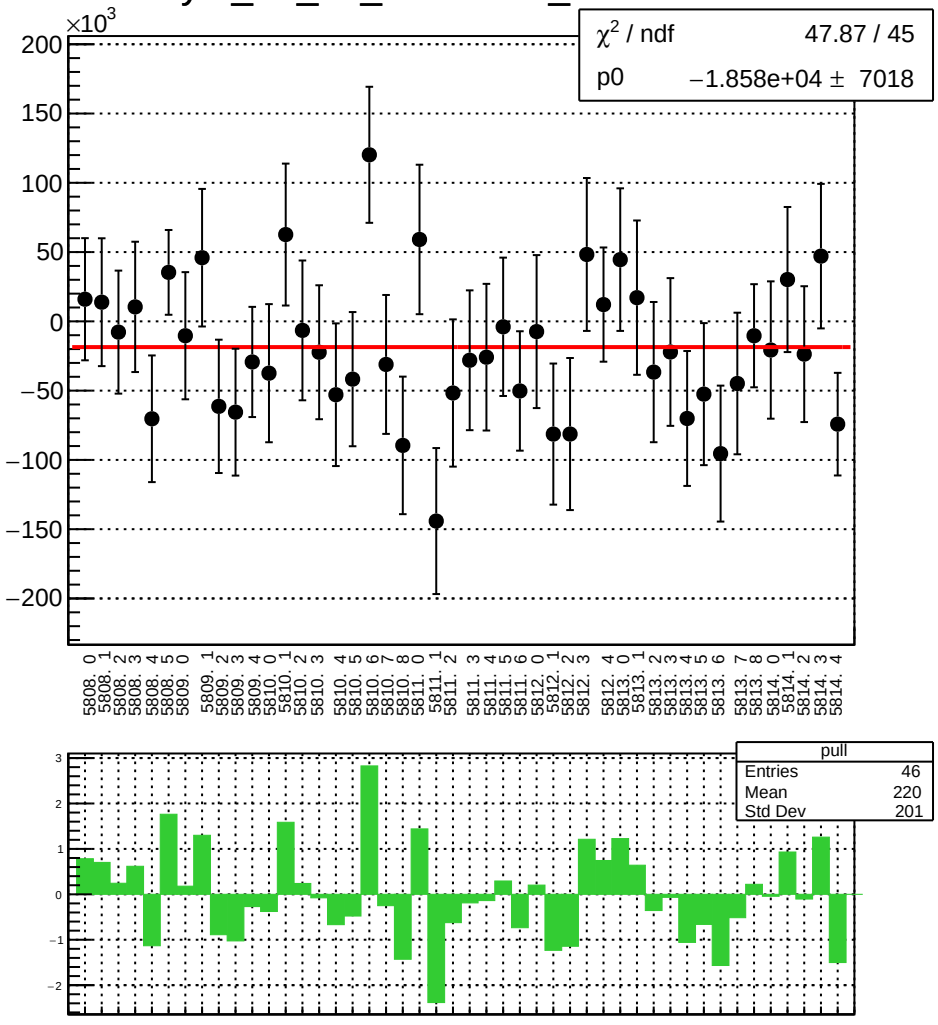

pull1D
Entries 46
Mean −0.004925
Std Dev 1.094

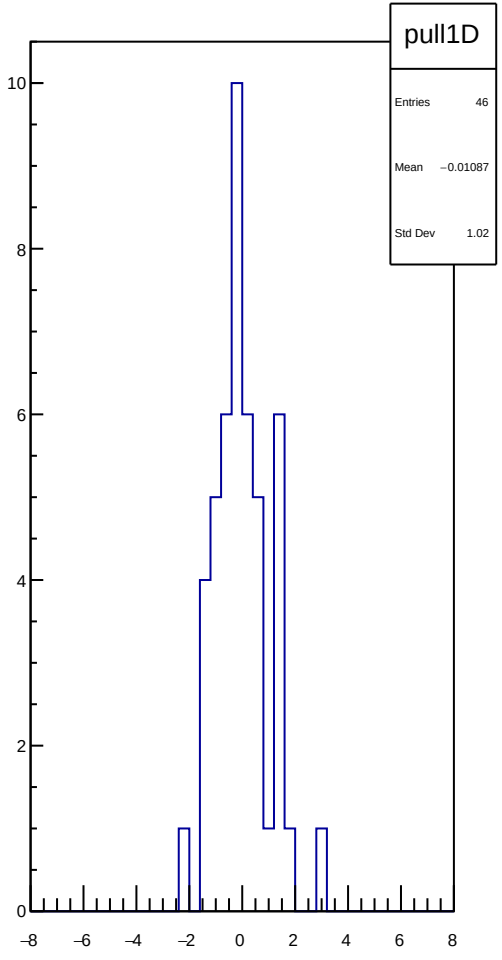

asym_atr_avg_rms vs run
χ² / ndf 3345 / 45
p0 4843 ± 5.094
7000
6500
6000
5500
5000
4500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

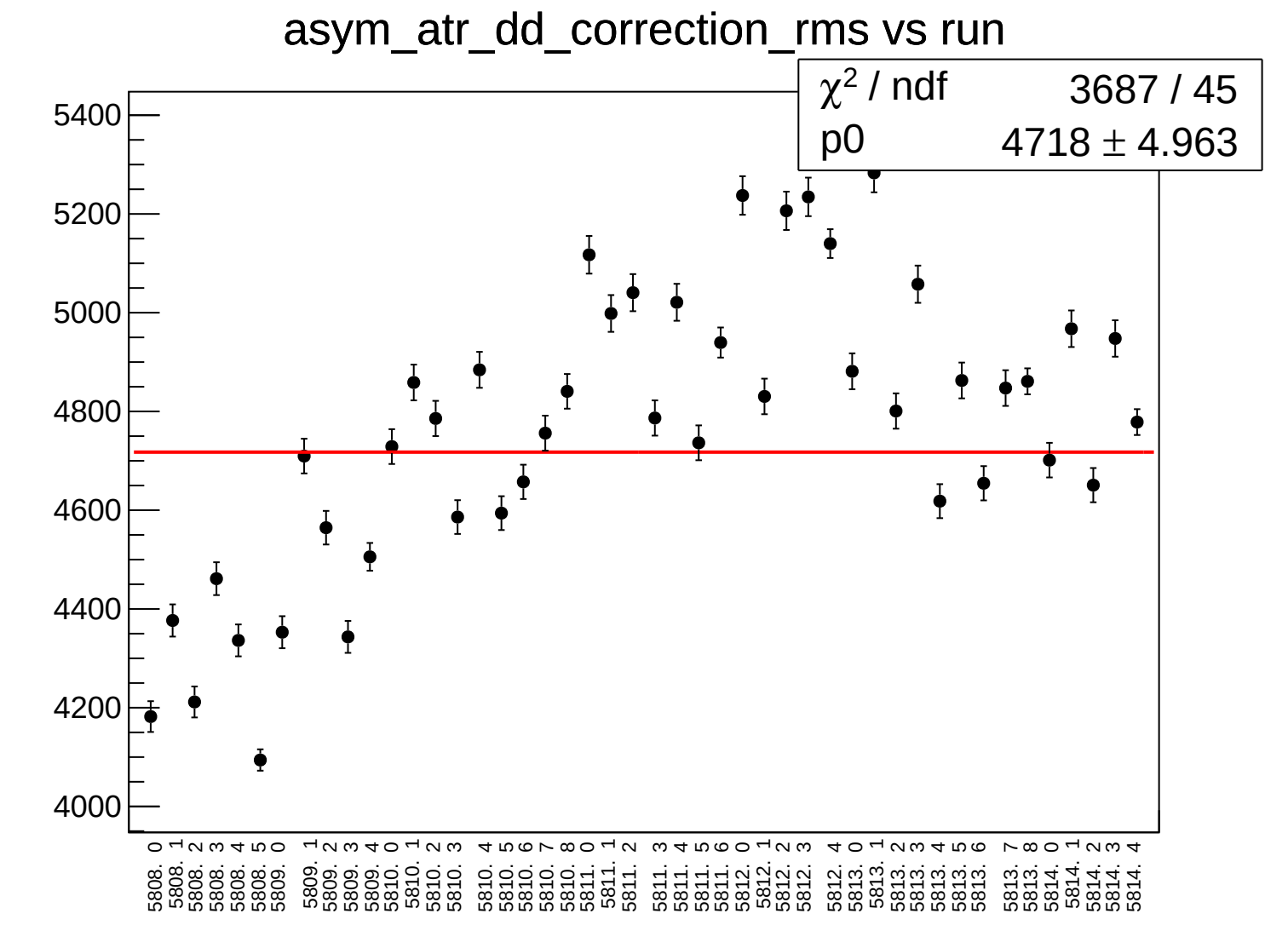

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 39.59 / 45
p0 −3472 ± 2824
pull
Entries 46
Mean 191.5
Std Dev 182.3

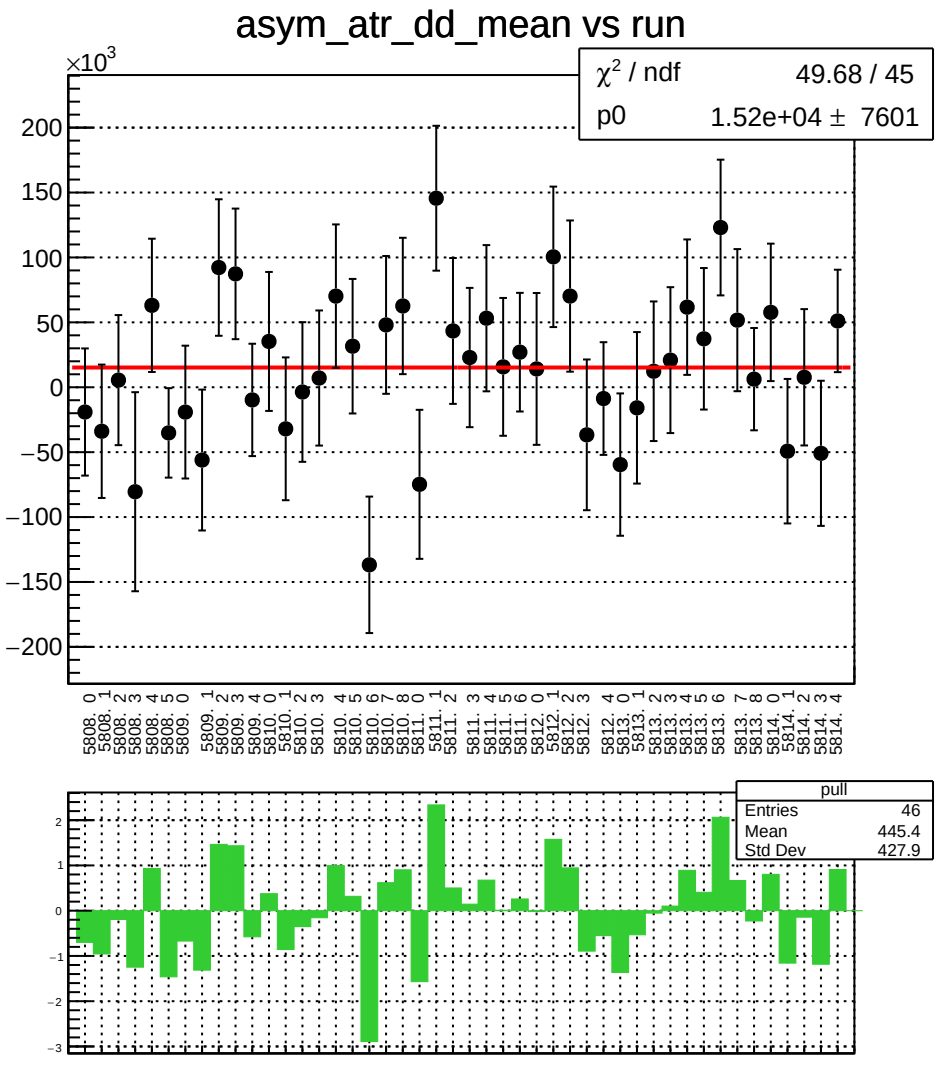

pull1D
Entries 46
Mean 0.004746
Std Dev 0.9278

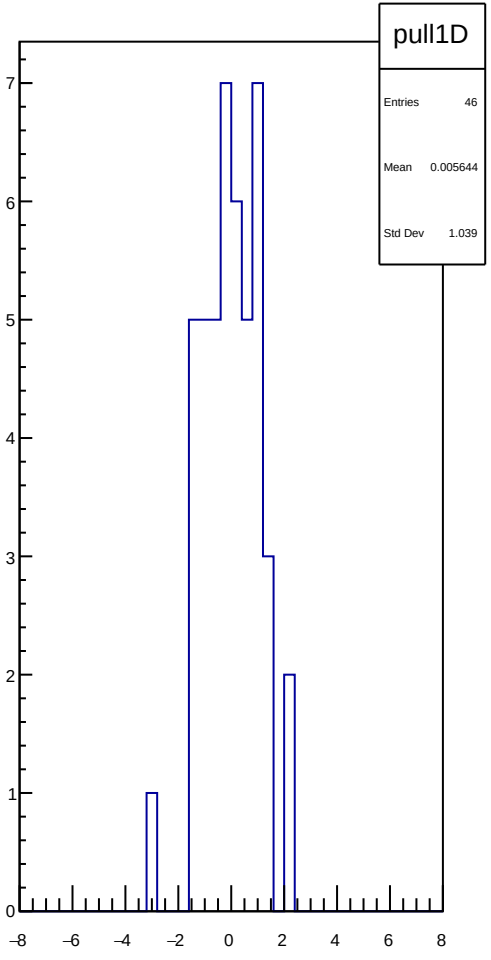

dit_asym_atr_dd_rms vs run
χ² / ndf 7984 / 45
p0 1893 ± 1.997
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

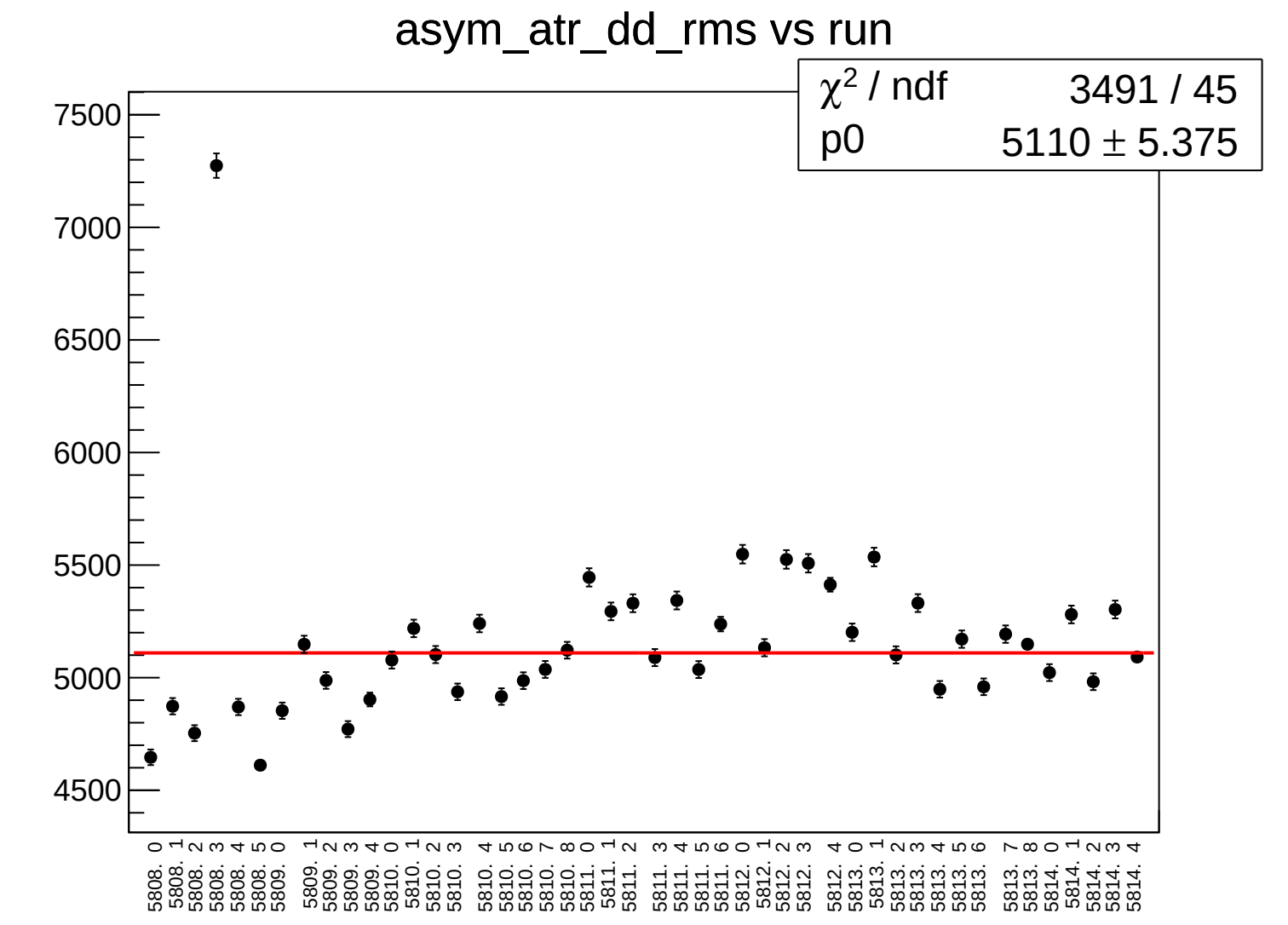

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 47.87 / 45
p0 −1.858e+04 ± 7018
pull
Entries 46
Mean 220
Std Dev 201

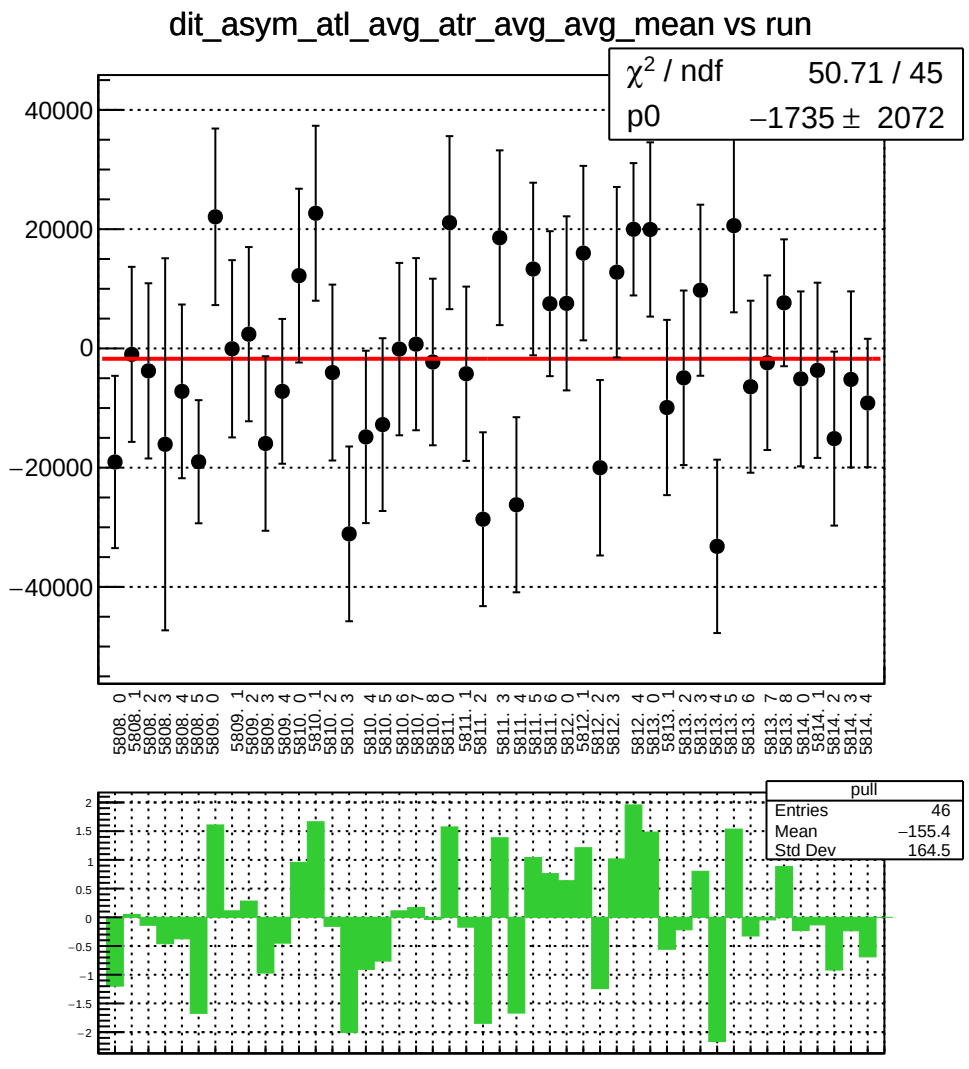

pull1D
Entries 46
Mean −0.01087
Std Dev 1.02

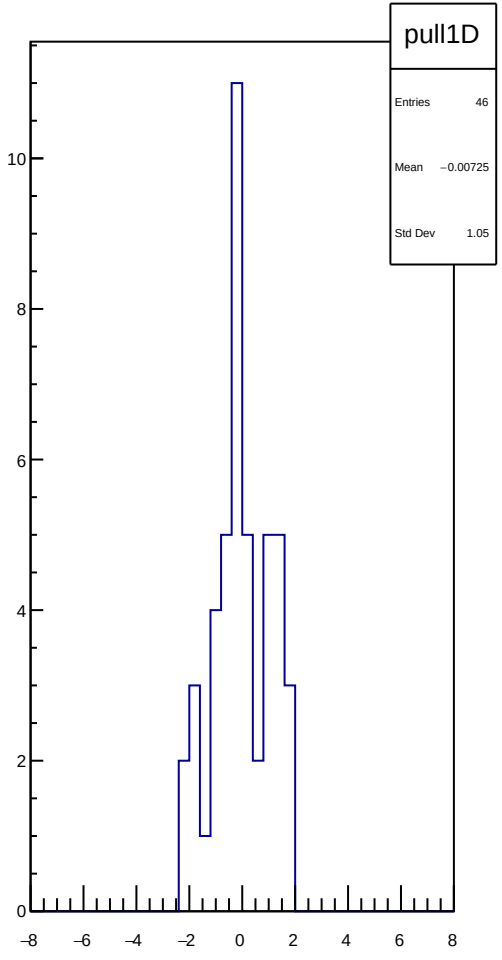

asym_atr_dd_correction_rms vs run
χ² / ndf 3687 / 45
p0 4718 ± 4.963
5400
5200
5000
4800
4600
4400
4200
4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

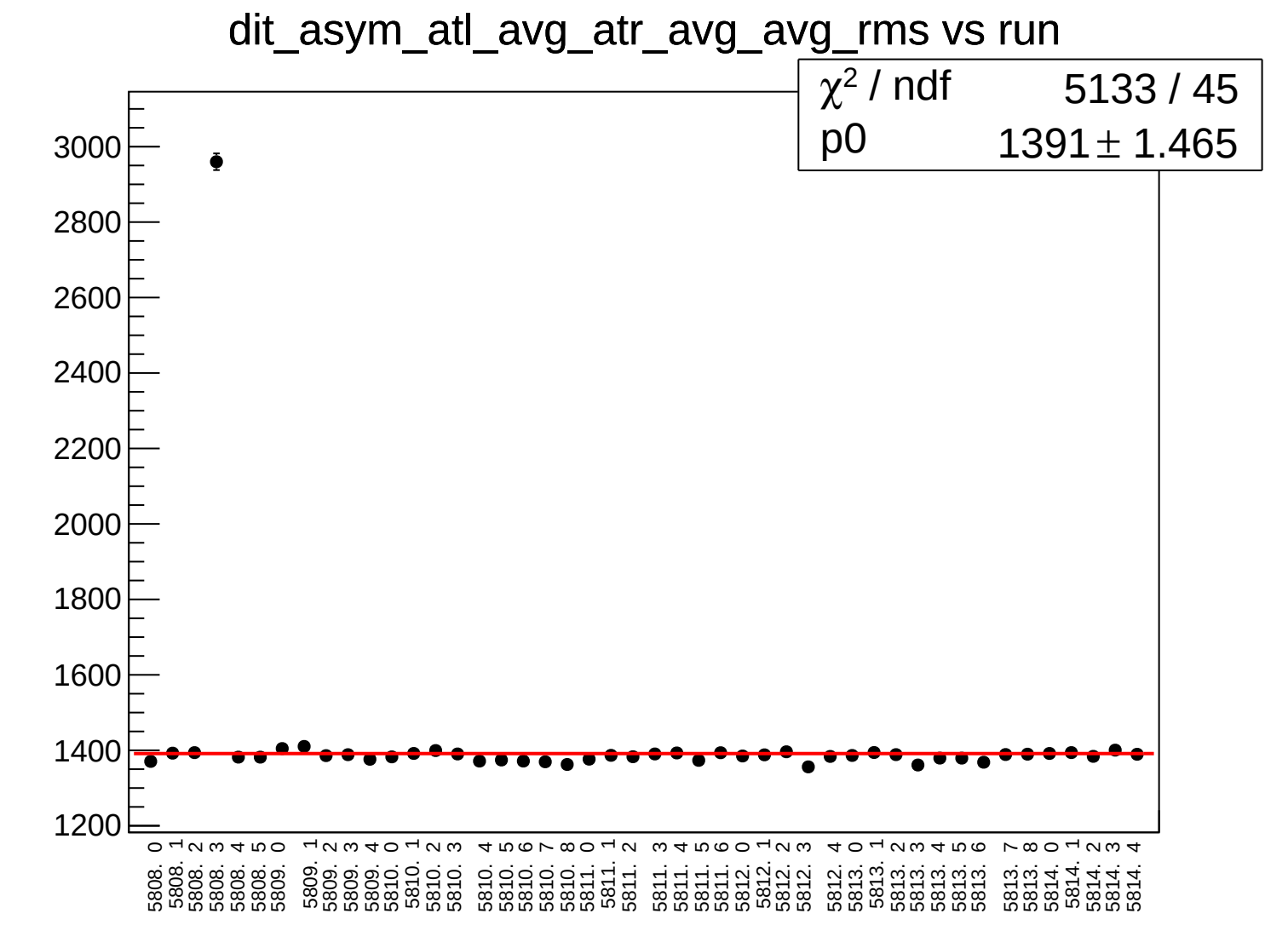

asym_atr_dd_mean vs run
×10^3
χ² / ndf 49.68 / 45
p0 1.52e+04 ± 7601
200
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 445.4
Std Dev 427.9
2
1
0
−1
−2
−3

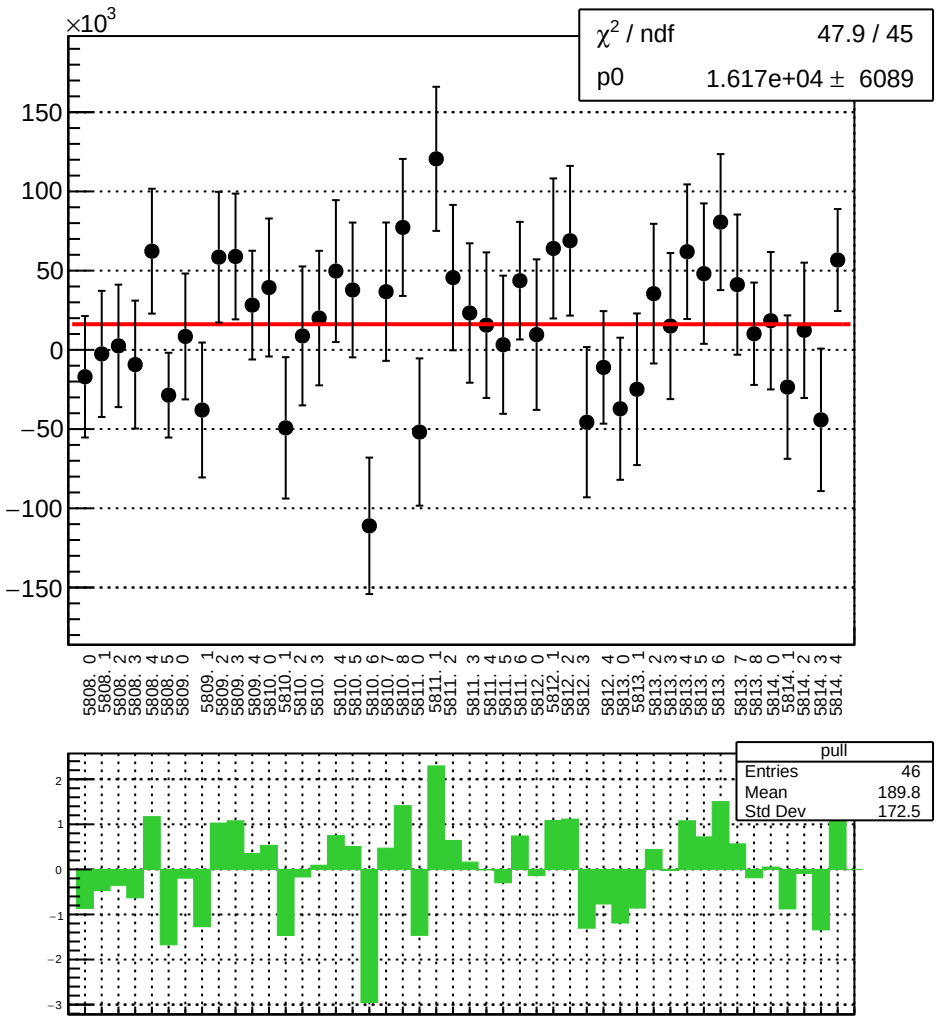

pull1D
Entries 46
Mean 0.005644
Std Dev 1.039
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

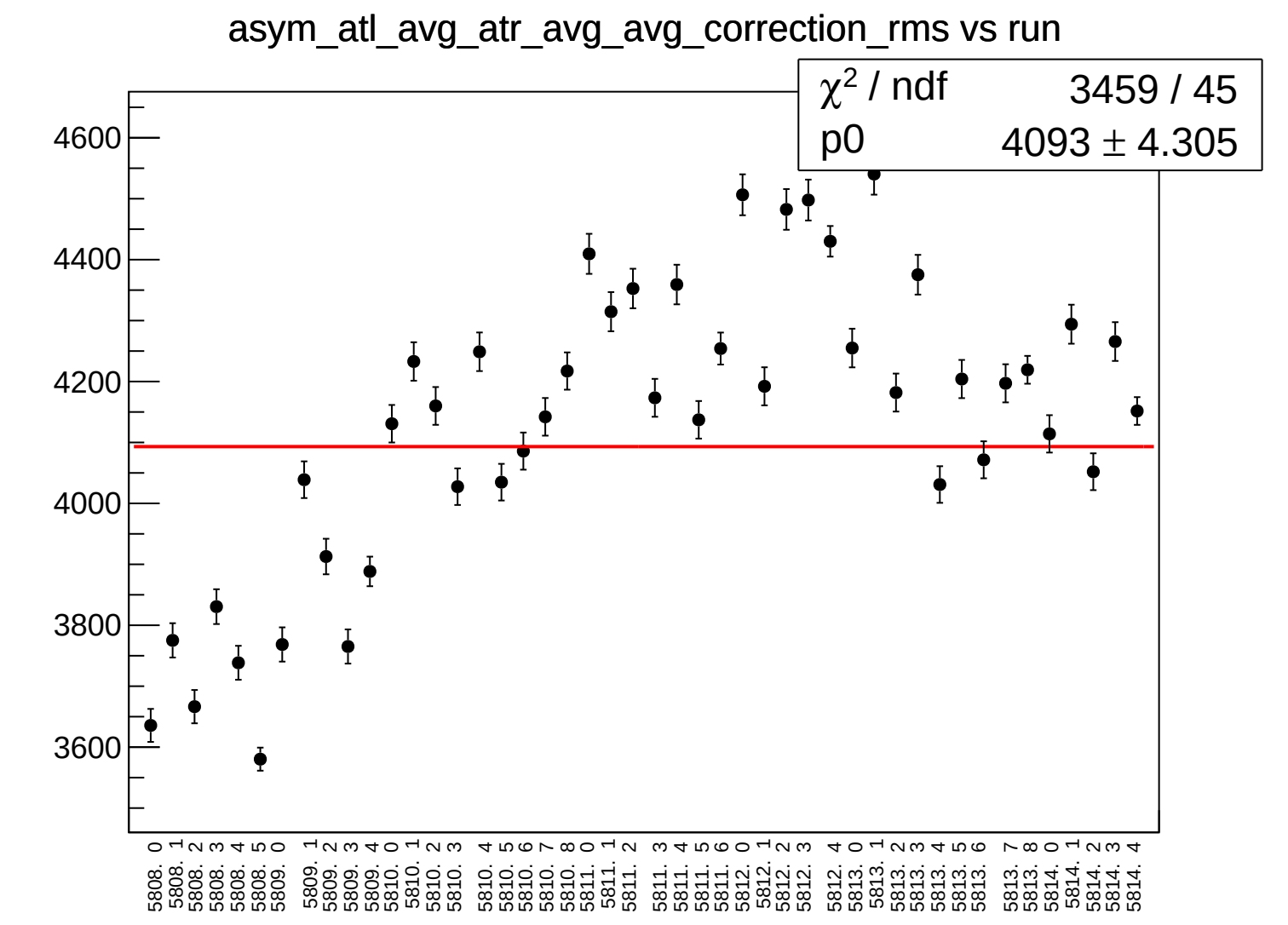

asym_atr_dd_rms vs run
χ^2 / ndf 3491 / 45
p0 5110 ± 5.375
7500
7000
6500
6000
5500
5000
4500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

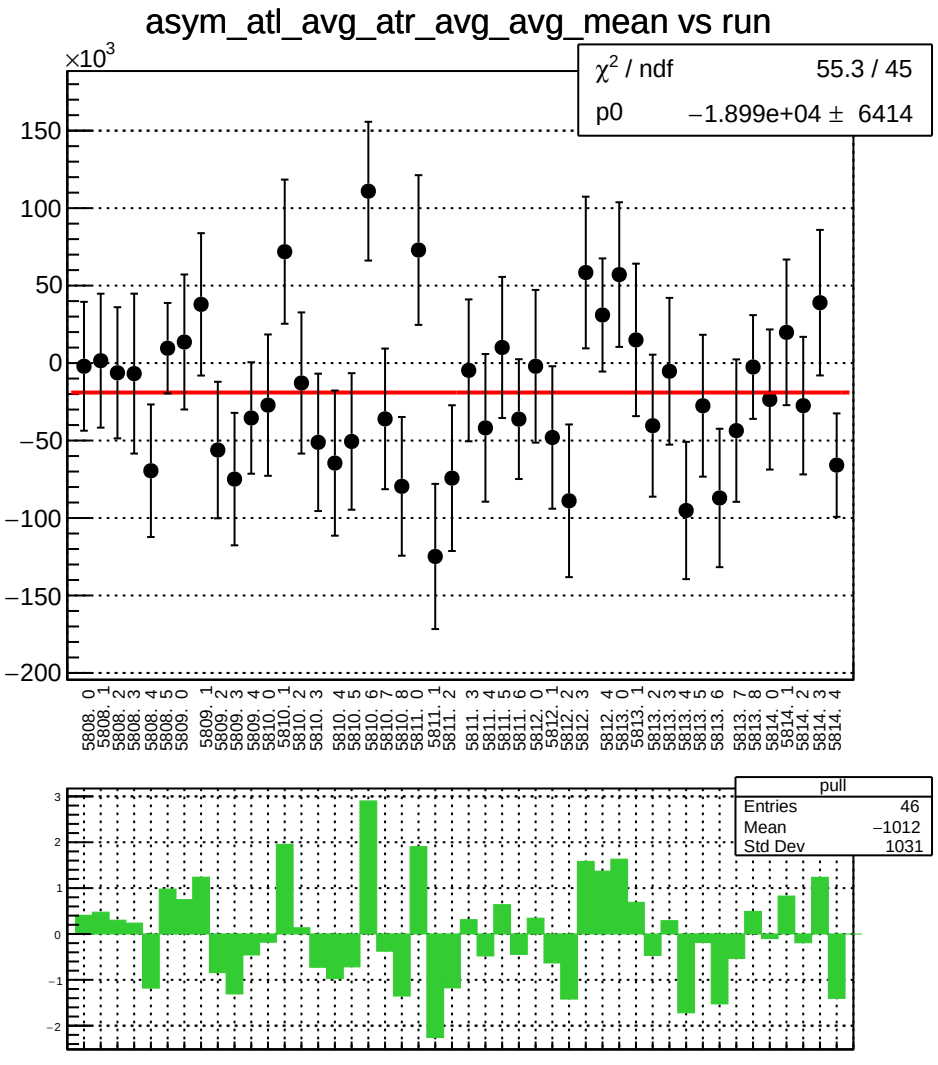

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.71 / 45
p0 −1735 ± 2072
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −155.4
Std Dev 164.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

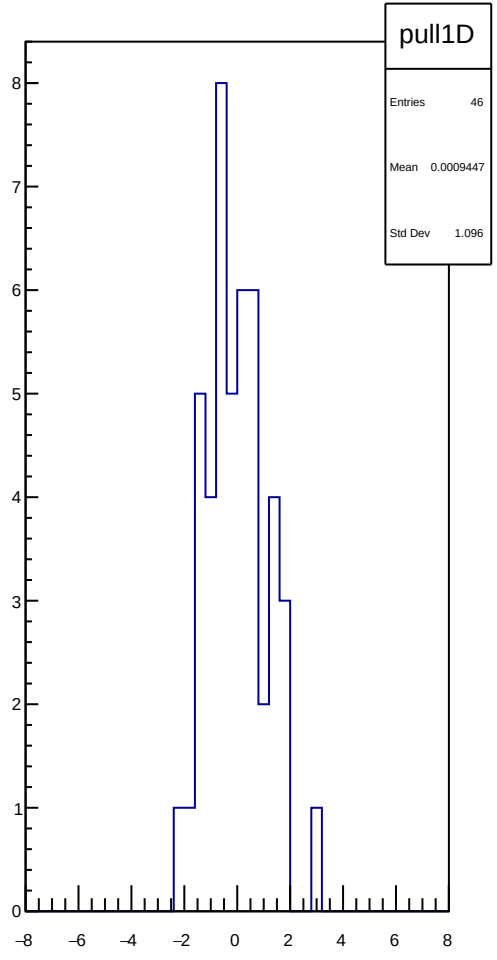

pull1D
Entries 46
Mean −0.00725
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

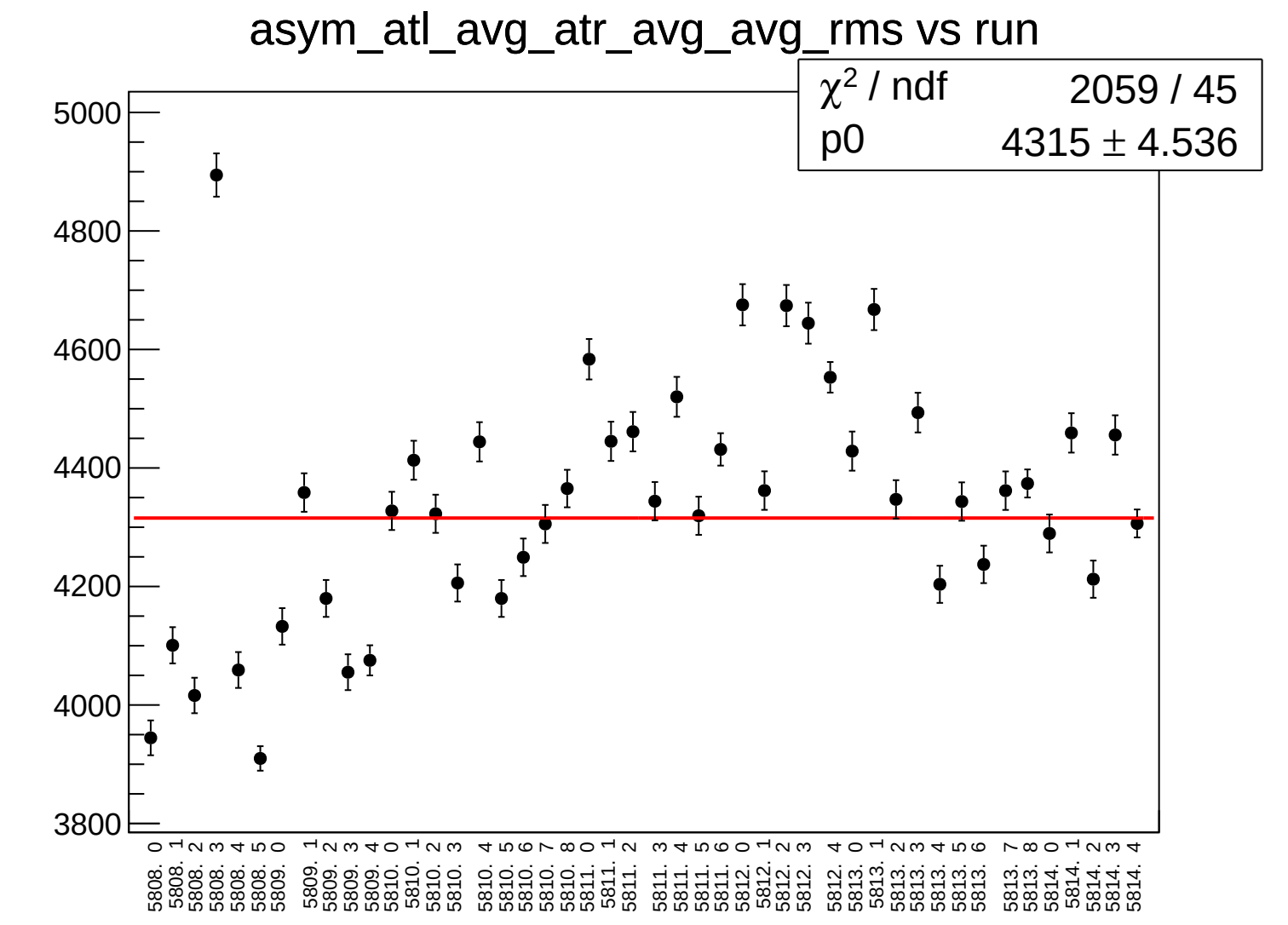

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5133 / 45
p0 1391 ± 1.465
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

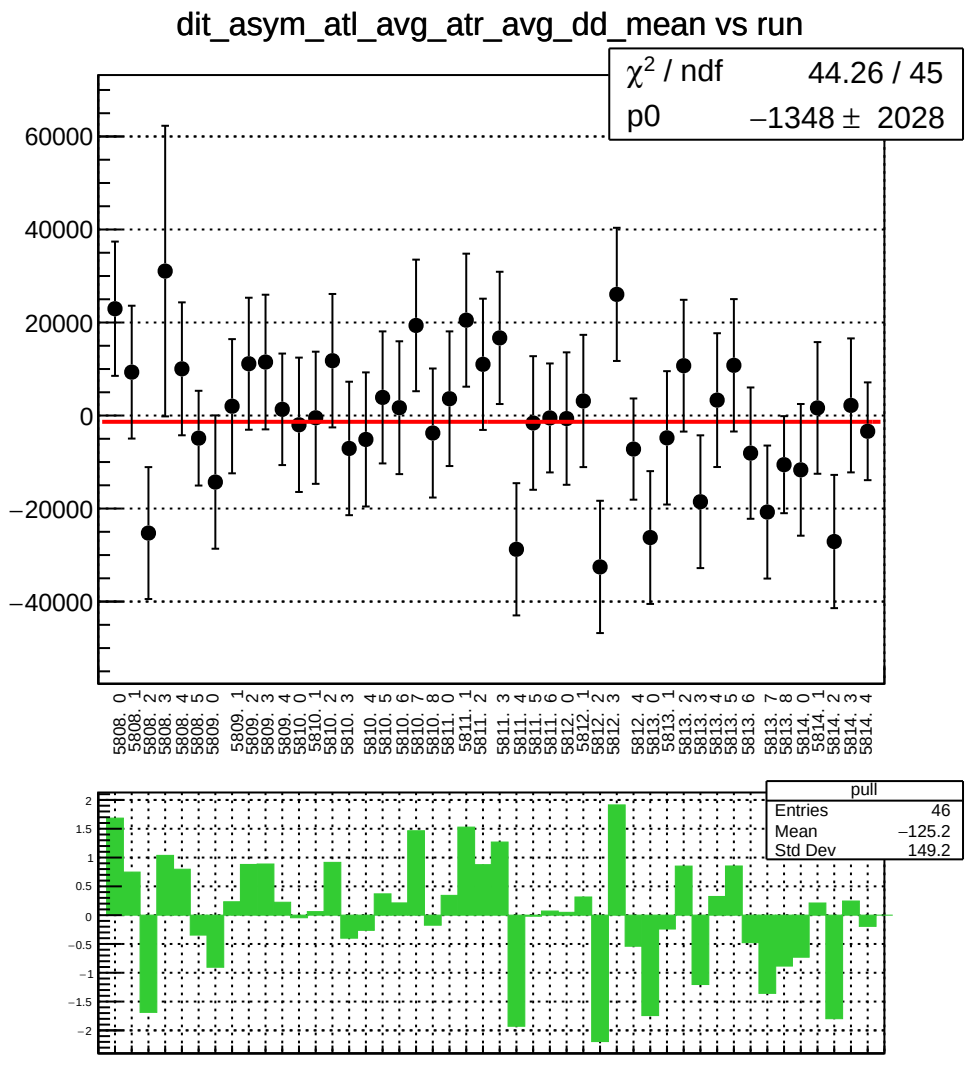

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 47.9 / 45
p0 1.617e+04 ± 6089
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 189.8
Std Dev 172.5
2
1
0
−1
−2
−3
pull1D
Entries 46
Mean 0.009721
Std Dev 1.02
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

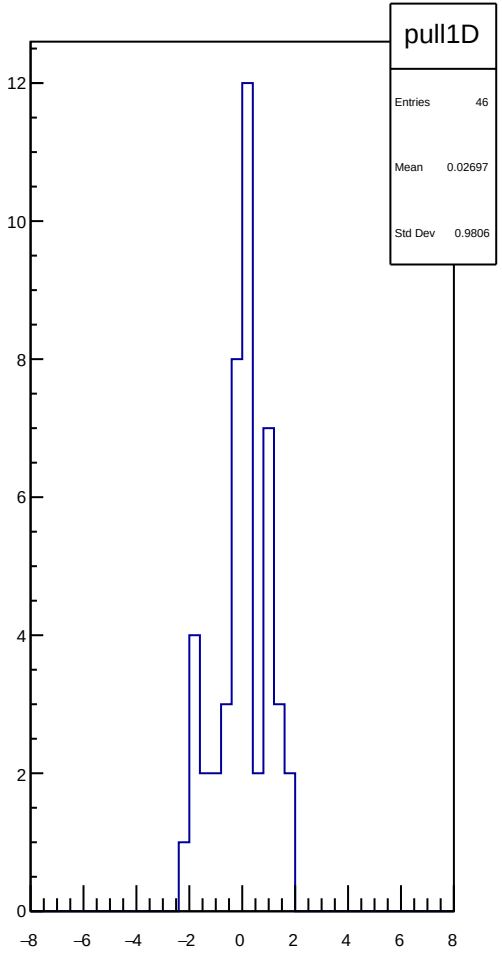

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3459 / 45
p0 4093 ± 4.305
4600
4400
4200
4000
3800
3600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

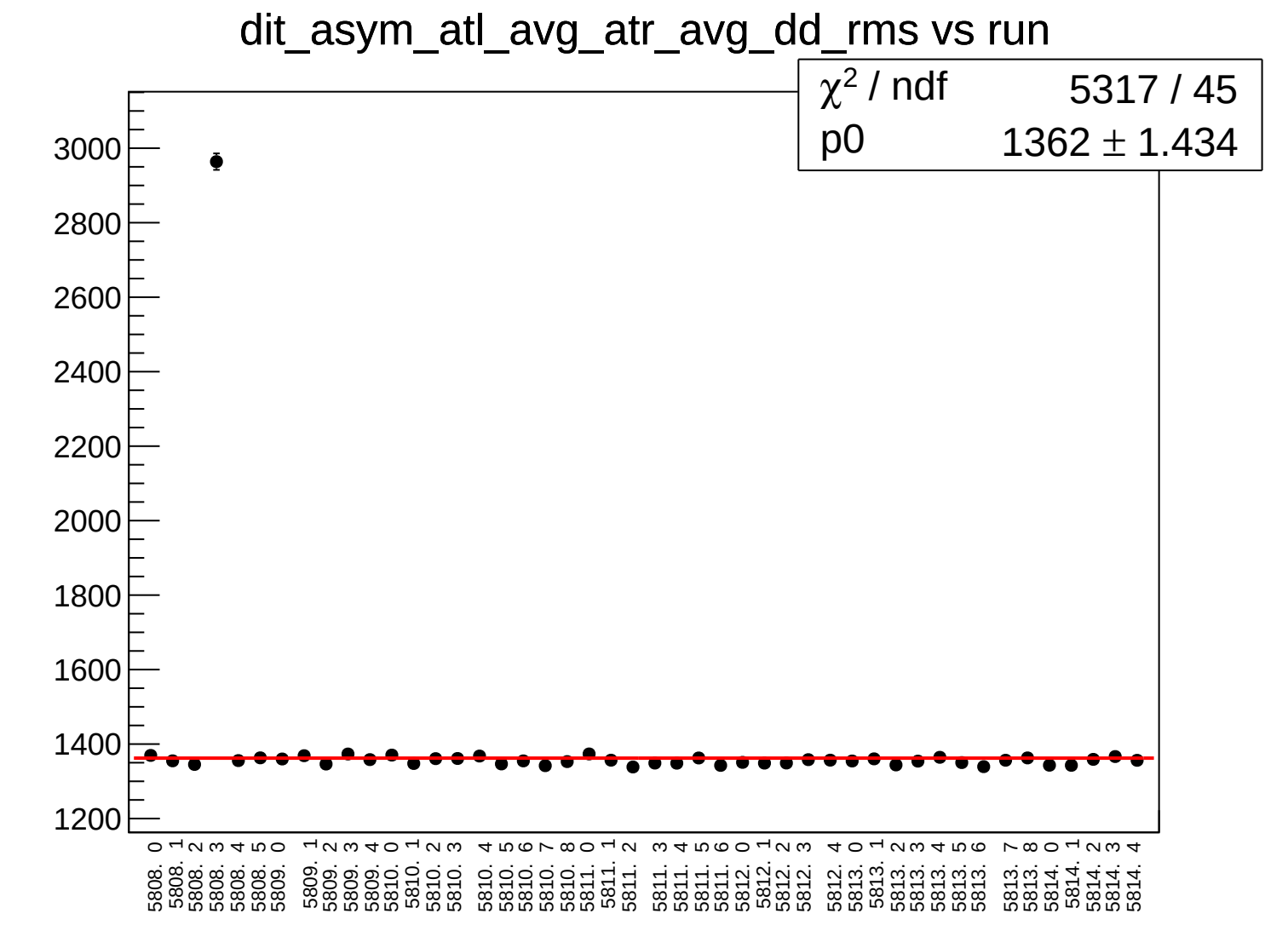

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 55.3 / 45
p0 −1.899e+04 ± 6414
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −1012
Std Dev 1031
3
2
1
0
−1
−2

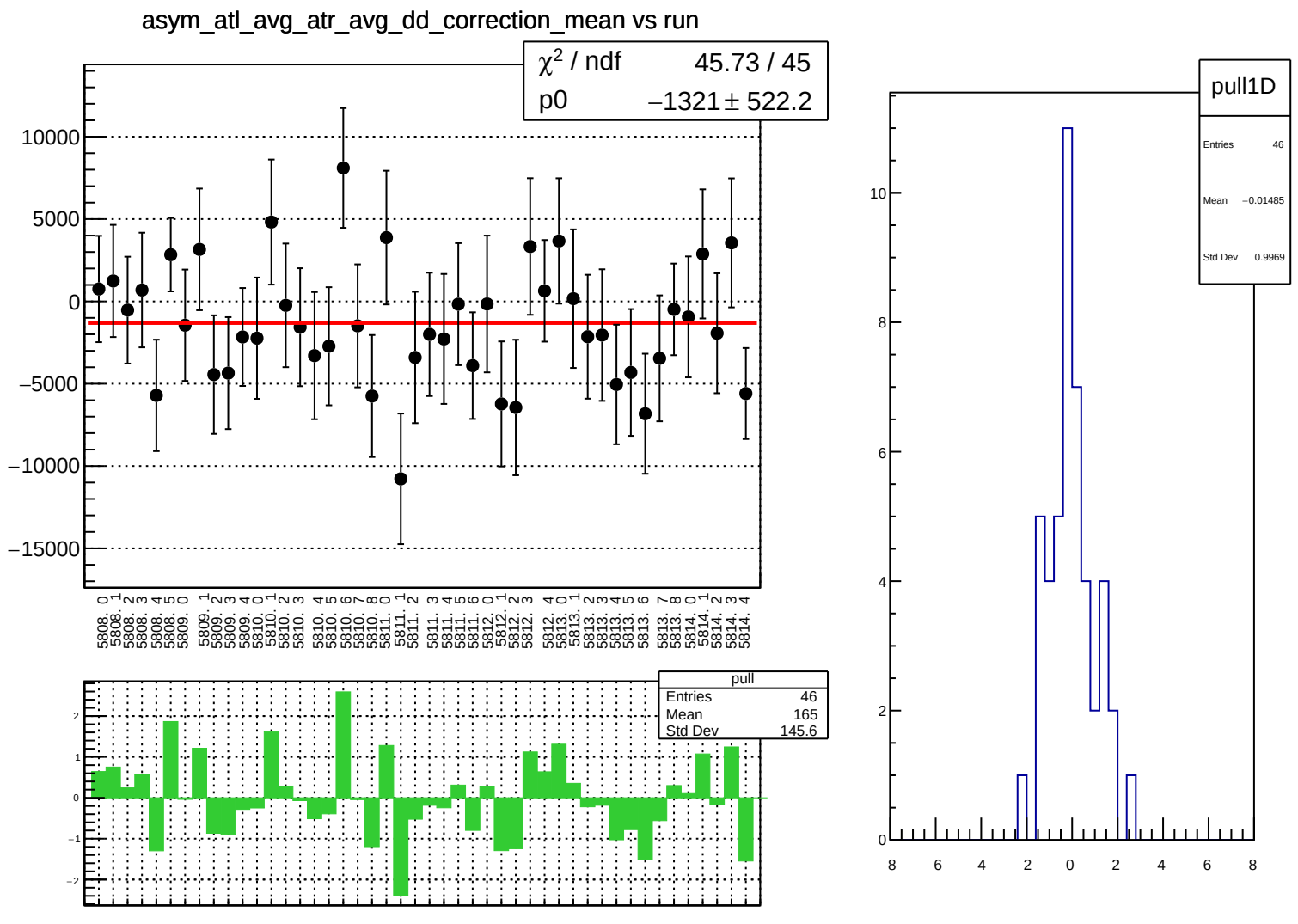

pull1D
Entries 46
Mean 0.0009447
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

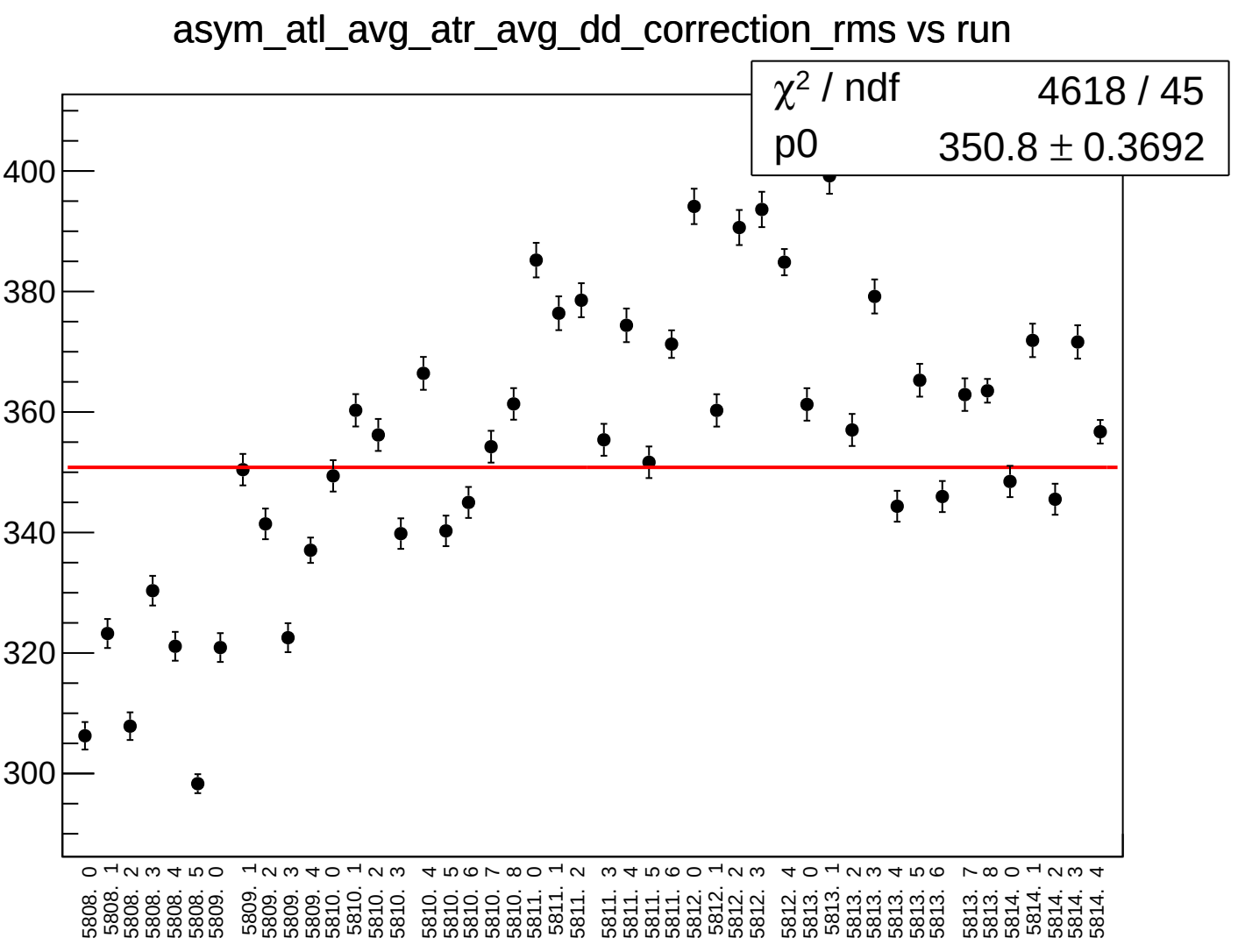

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2059 / 45
p0 4315 ± 4.536
5000
4800
4600
4400
4200
4000
3800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

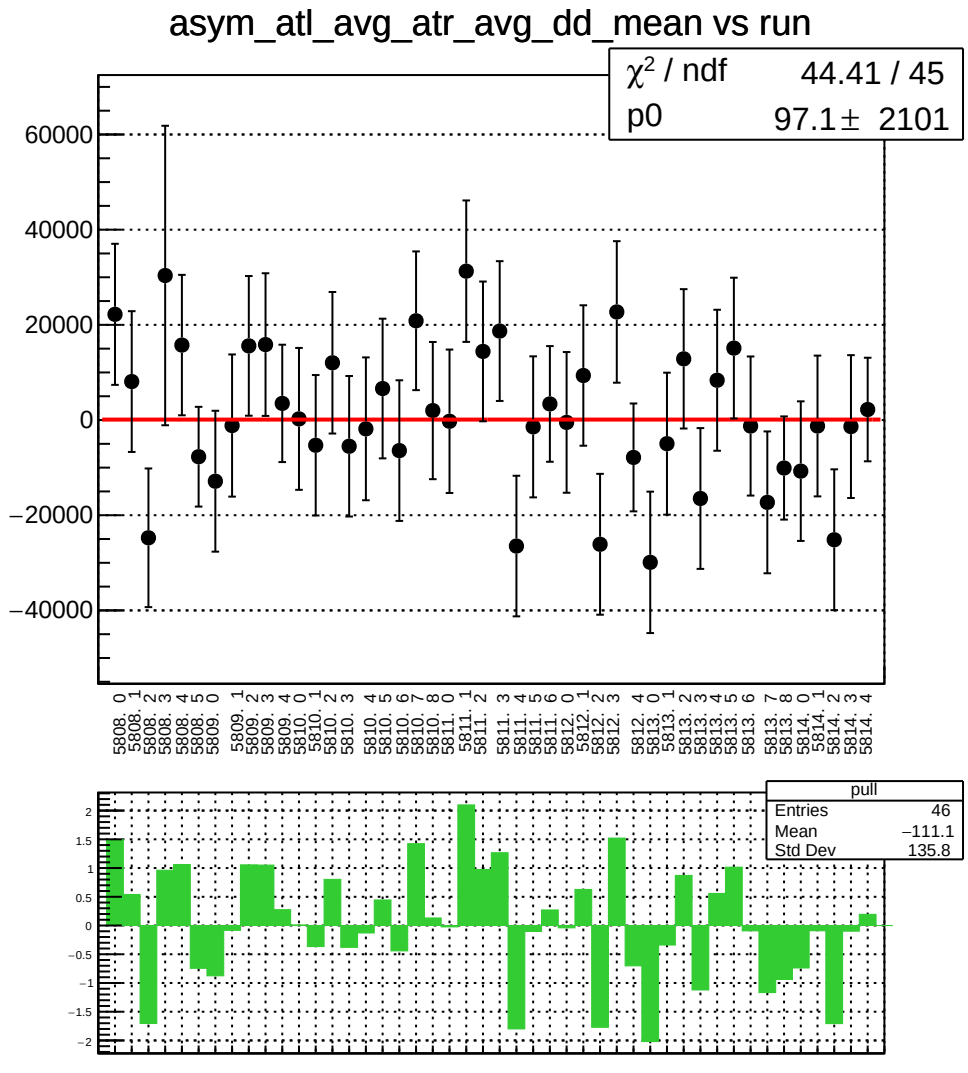

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.26 / 45
p0 −1348 ± 2028
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −125.2
Std Dev 149.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

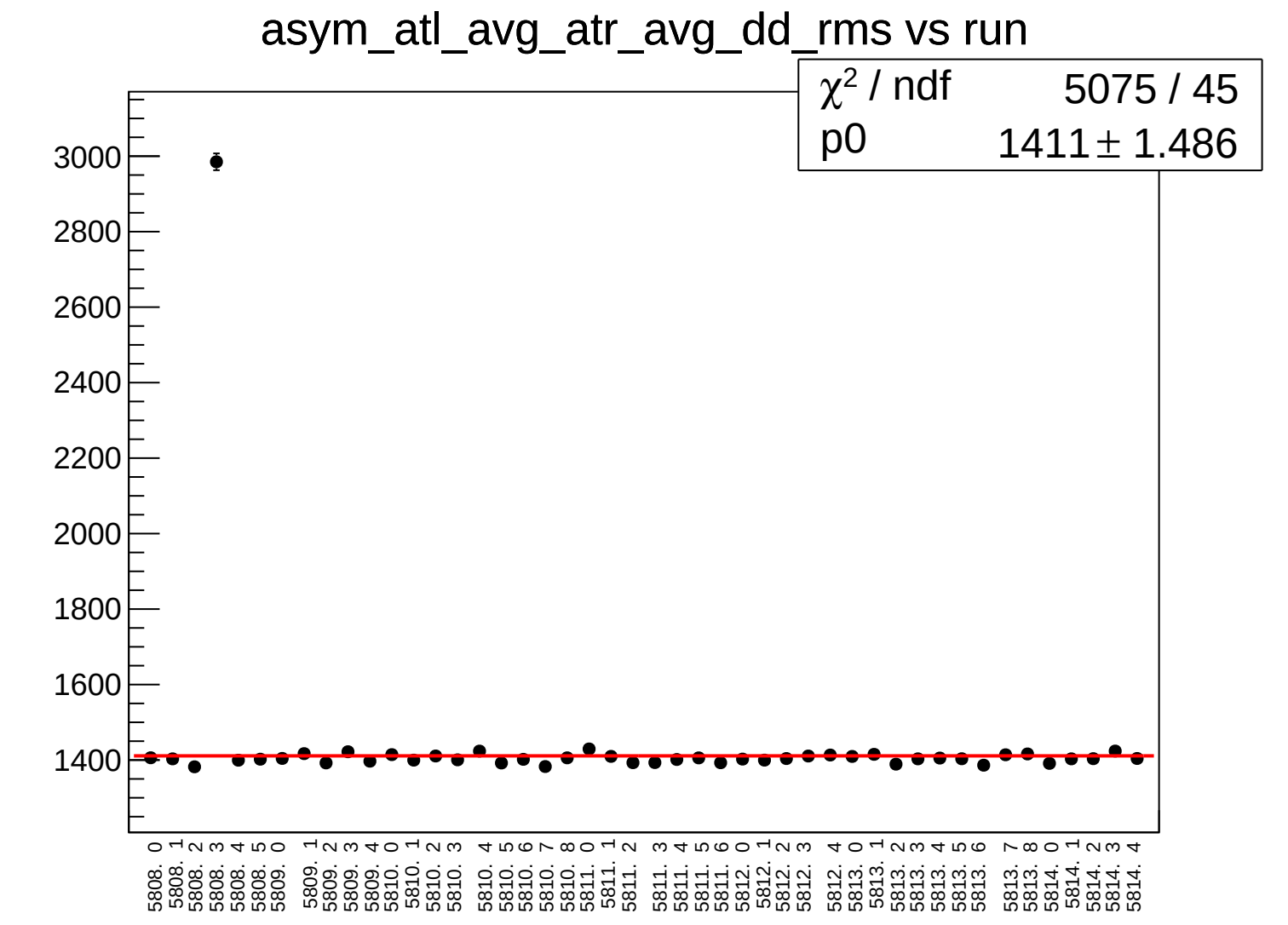

pull1D
Entries 46
Mean 0.02697
Std Dev 0.9806
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

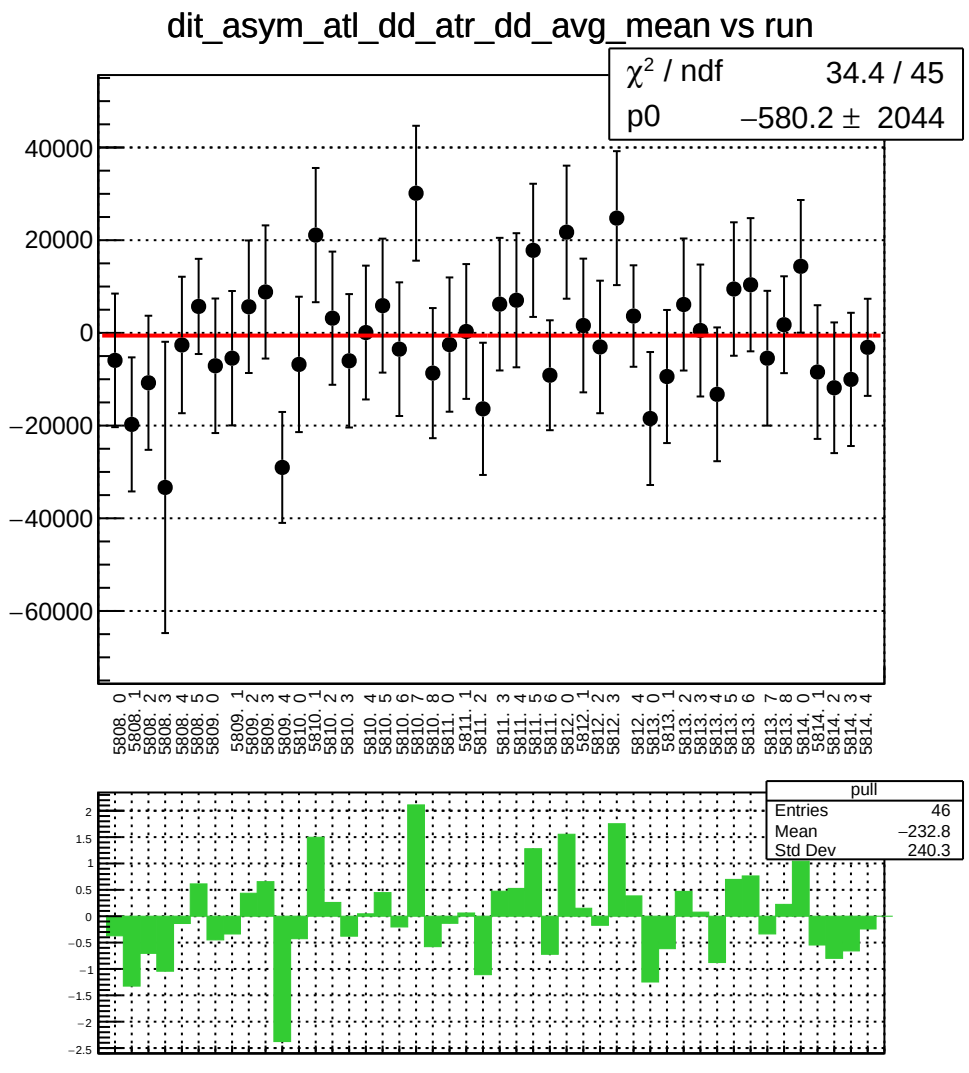

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5317 / 45
p0 1362 ± 1.434
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

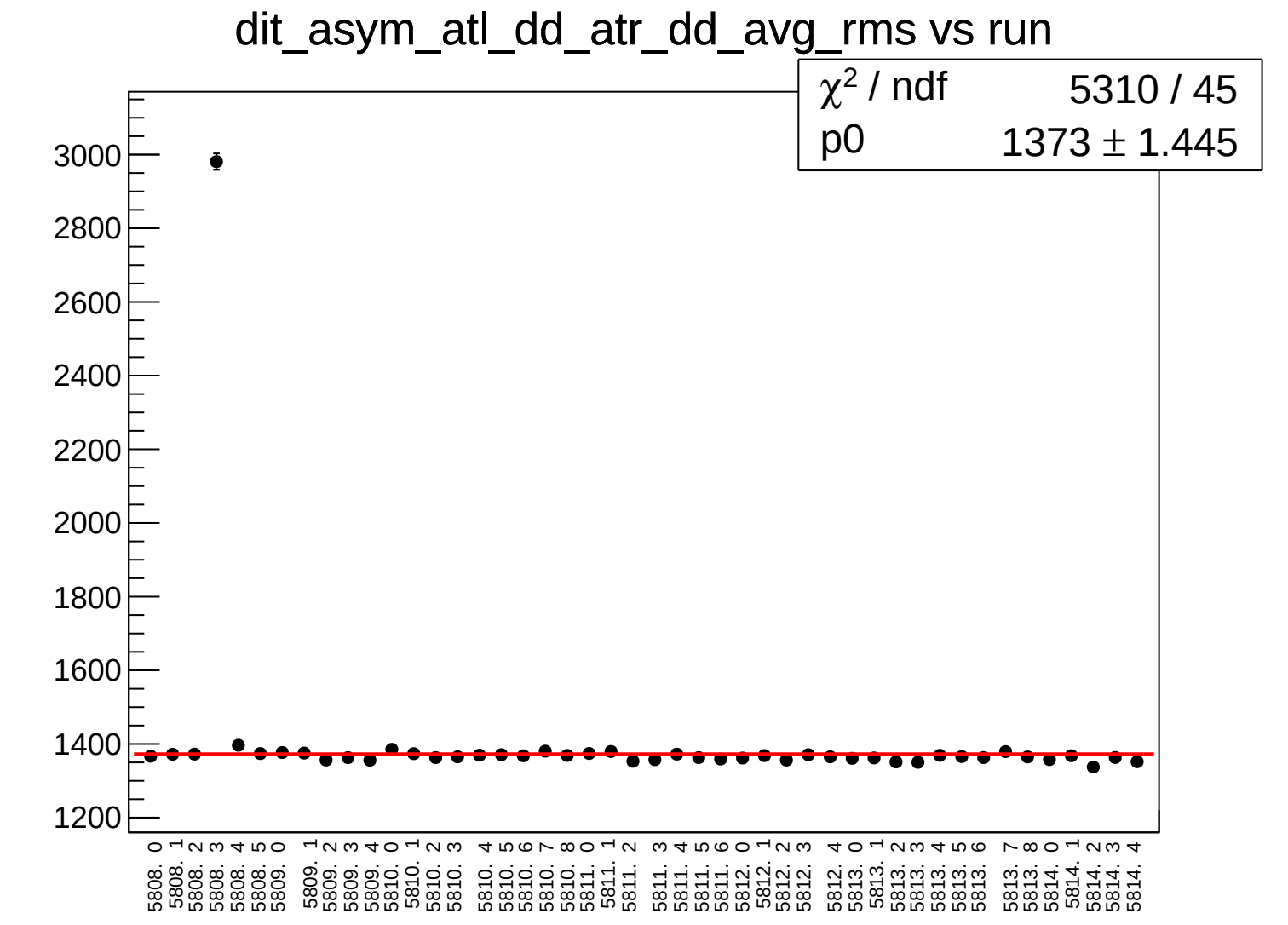

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 45.73 / 45
p0 −1321 ± 522.2
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 165
Std Dev 145.6
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01485
Std Dev 0.9969
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

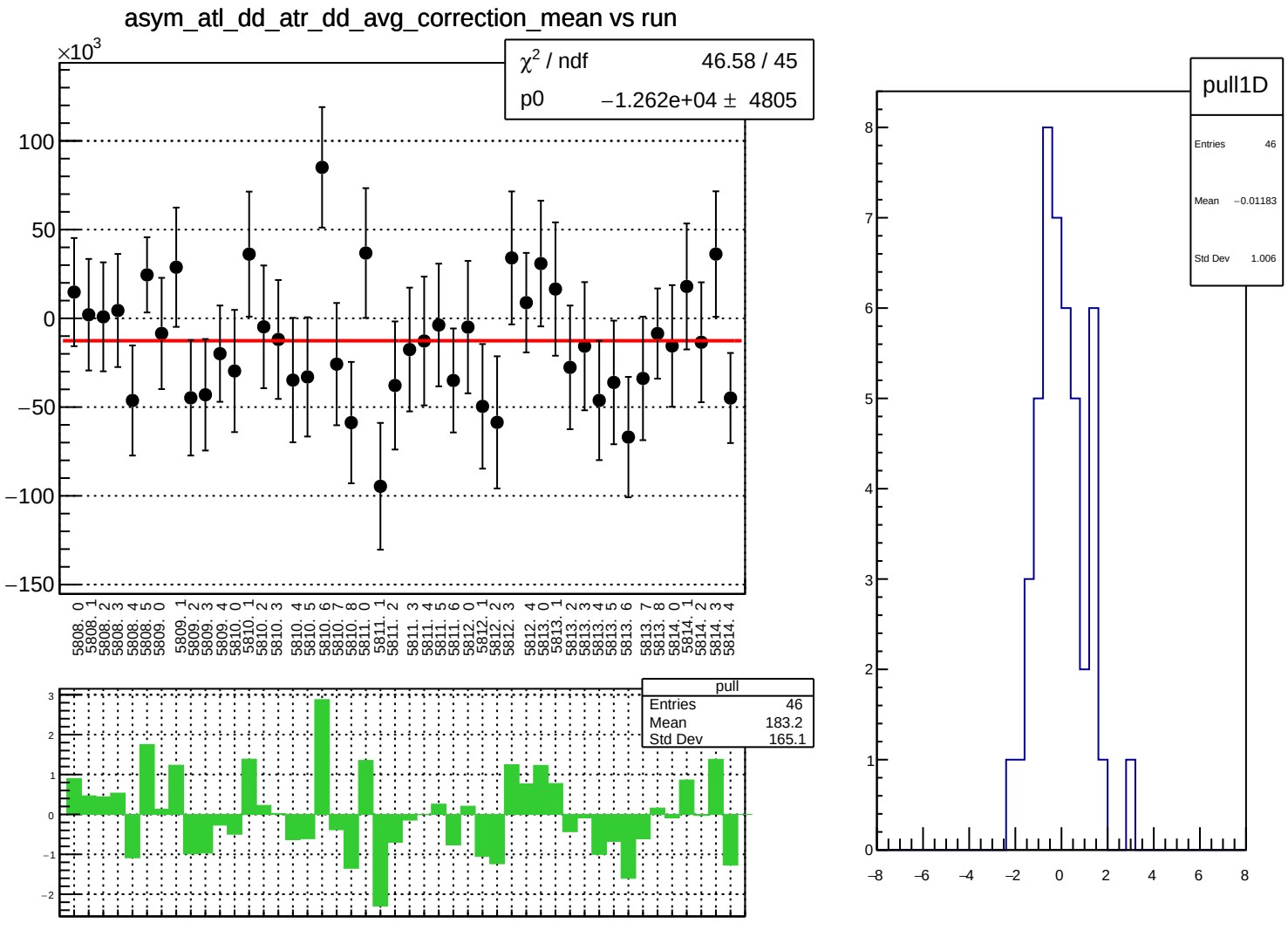

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4618 / 45
p0 350.8 ± 0.3692
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

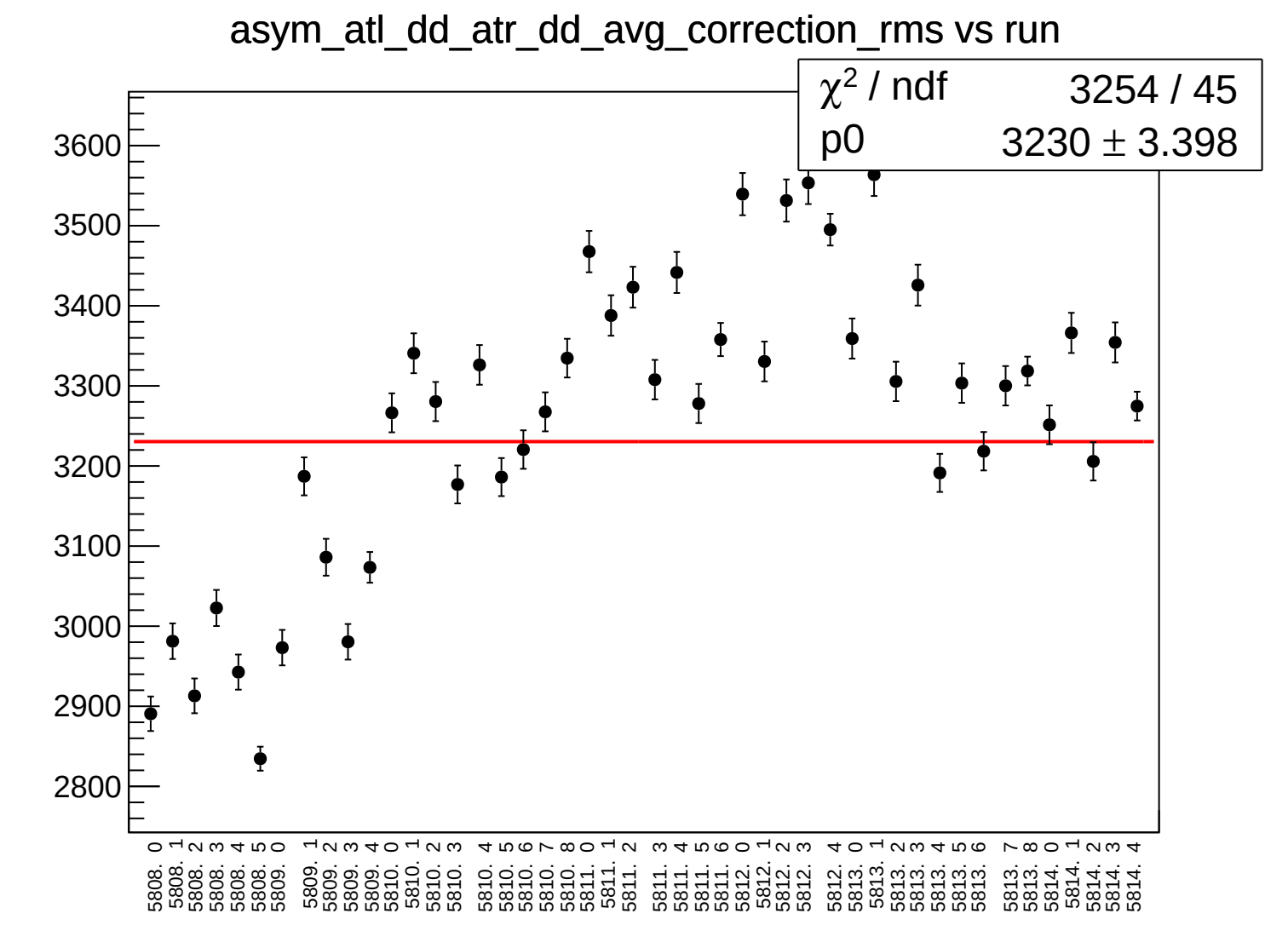

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.41 / 45
p0 97.1± 2101
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −111.1
Std Dev 135.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.02551
Std Dev 0.9822
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5075 / 45
p0 1411 ± 1.486
3000
2800
2600
2400
2200
2000
1800
1600
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 34.4 / 45
p0 −580.2 ± 2044
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −232.8
Std Dev 240.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.005592
Std Dev 0.8648
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_avg_rms vs run
χ² / ndf 5310 / 45
p0 1373 ± 1.445
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 46.58 / 45
p0 −1.262e+04 ± 4805
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 183.2
Std Dev 165.1
3
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01183
Std Dev 1.006
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3254 / 45
p0 3230 ± 3.398
3600
3500
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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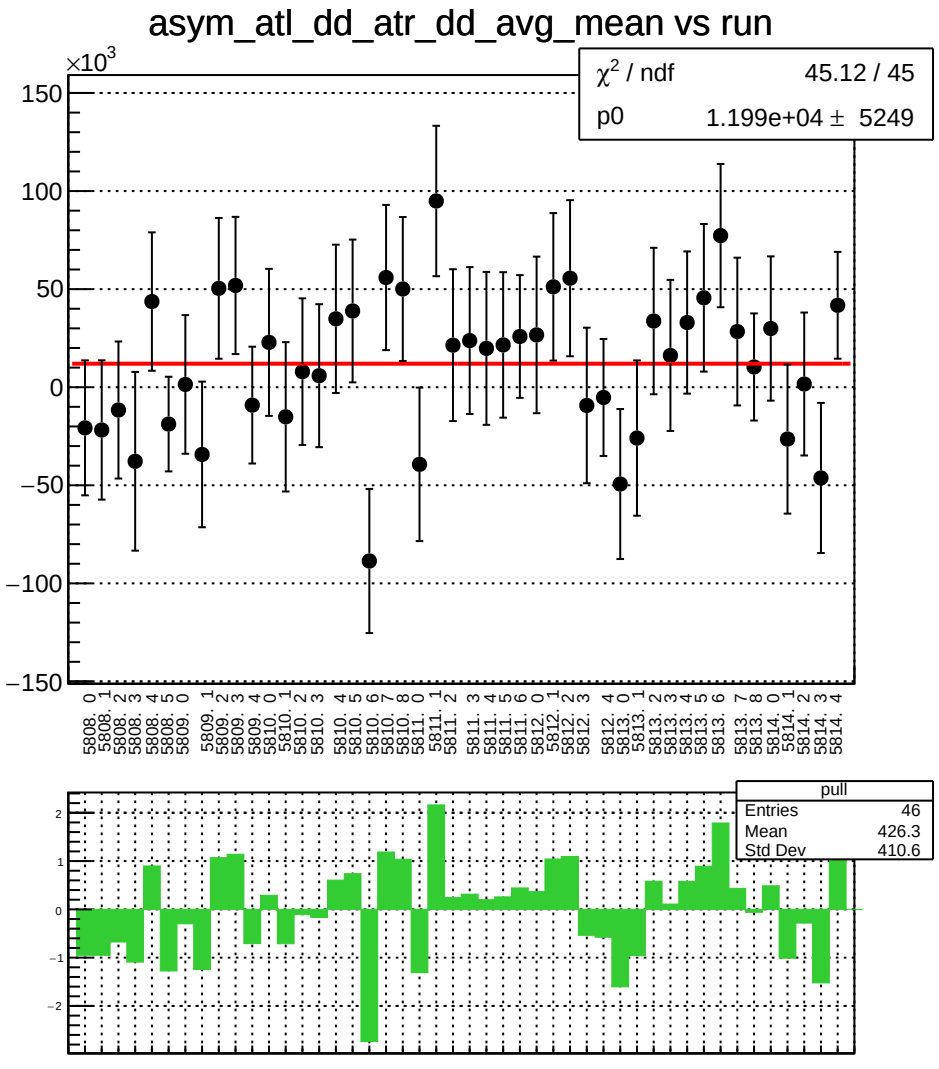
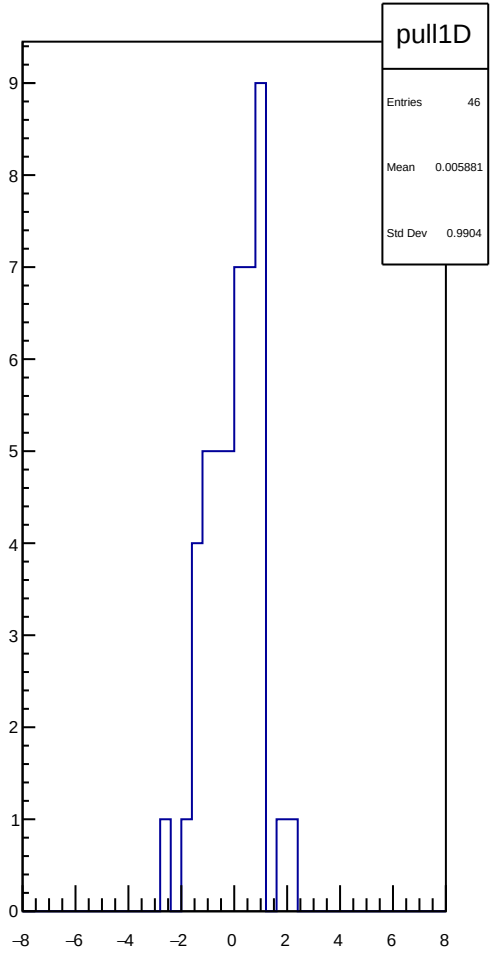
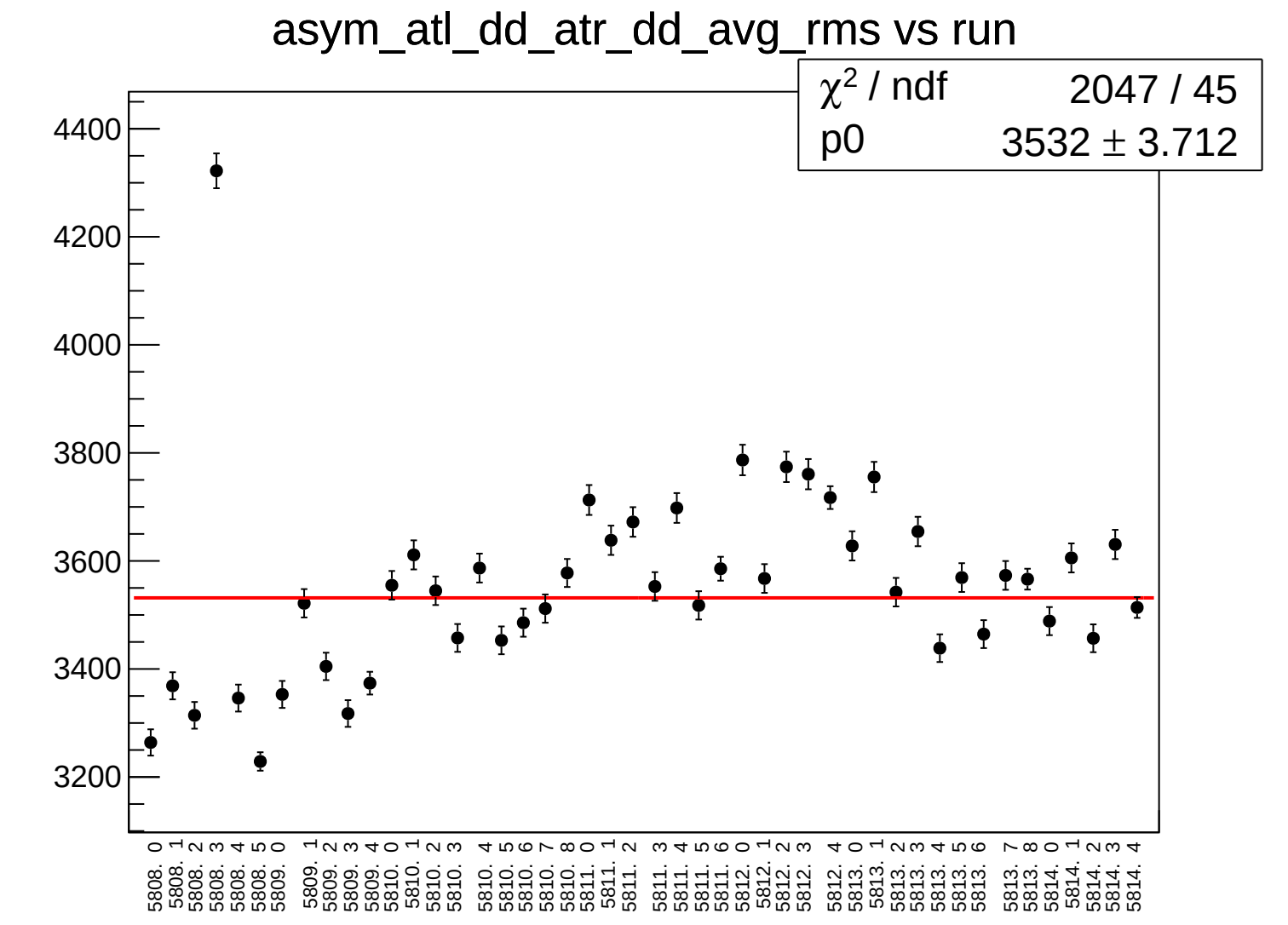
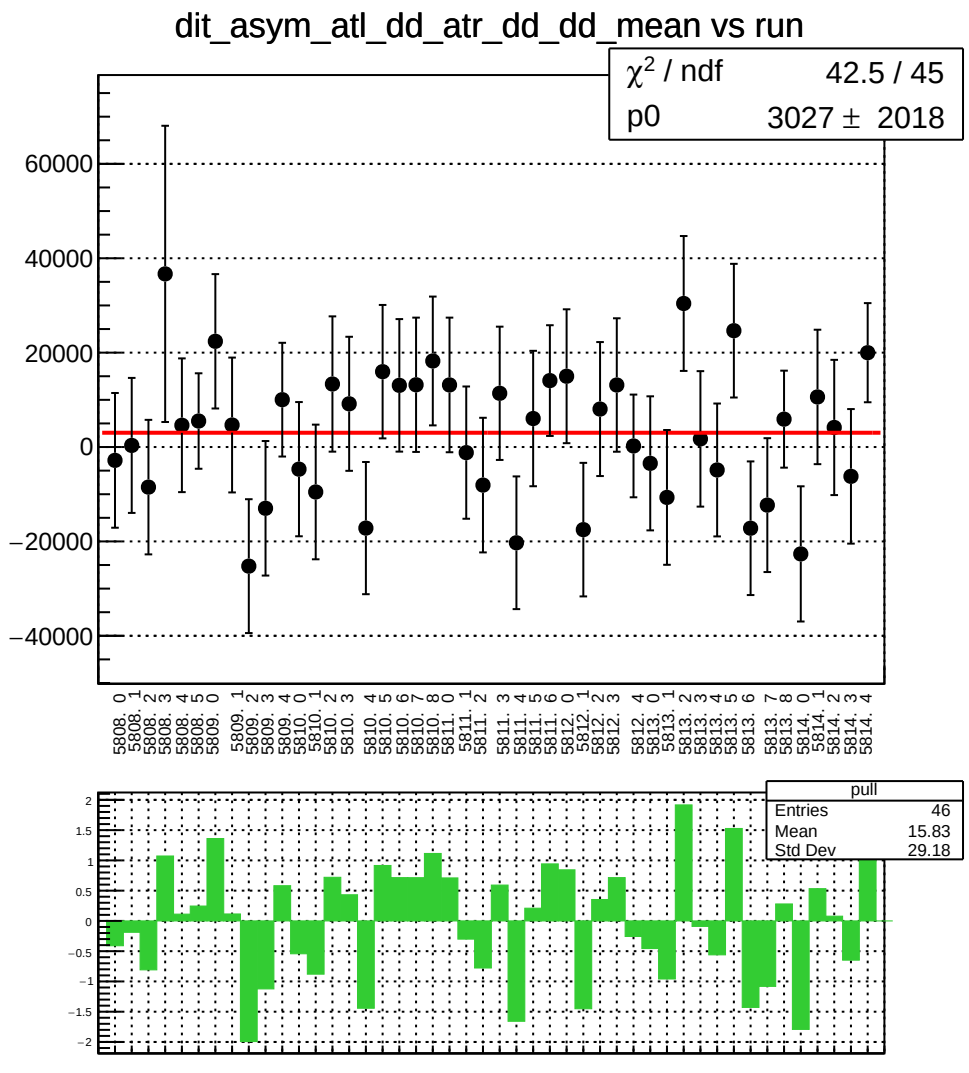
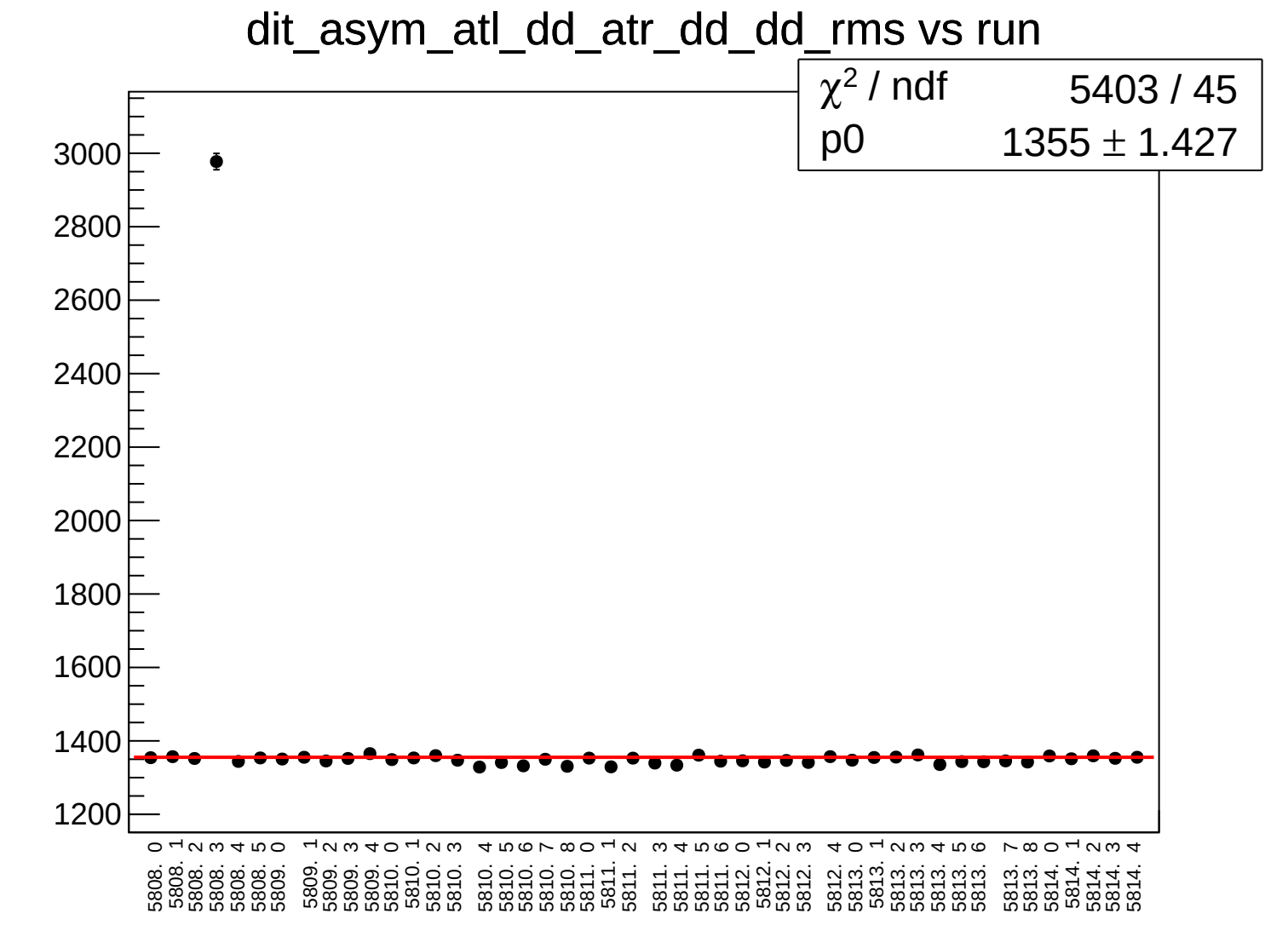
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

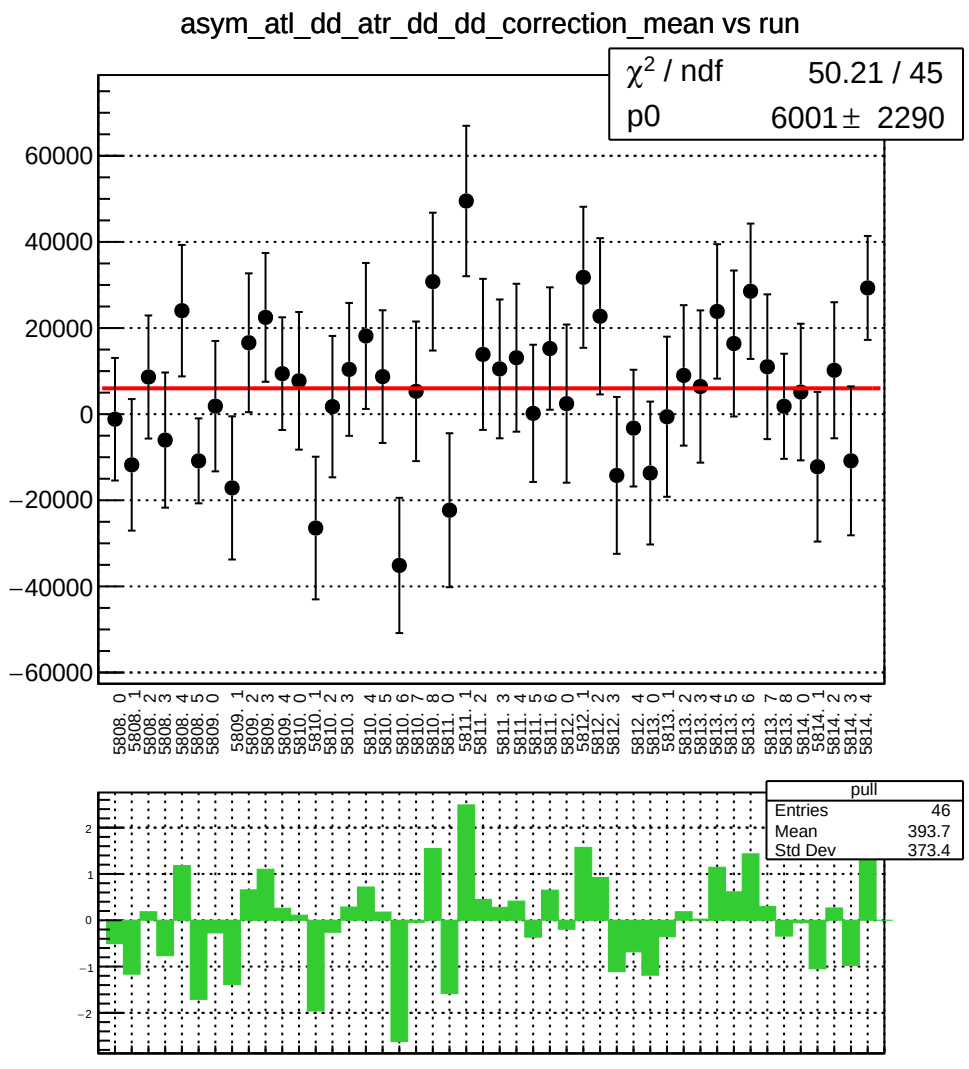

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 45.12 / 45
p0 1.199e+04 ± 5249
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 426.3
Std Dev 410.6
2
1
0
−1
−2

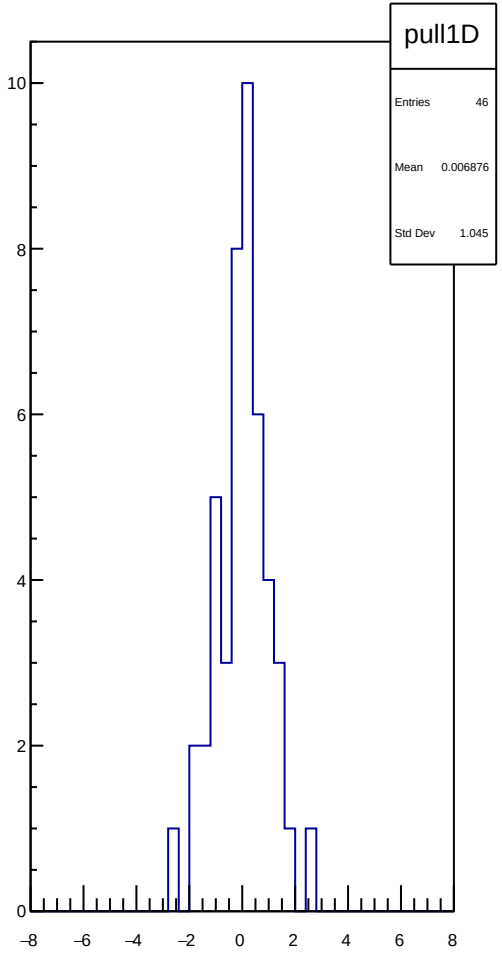

pull1D
Entries 46
Mean 0.005881
Std Dev 0.9904
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

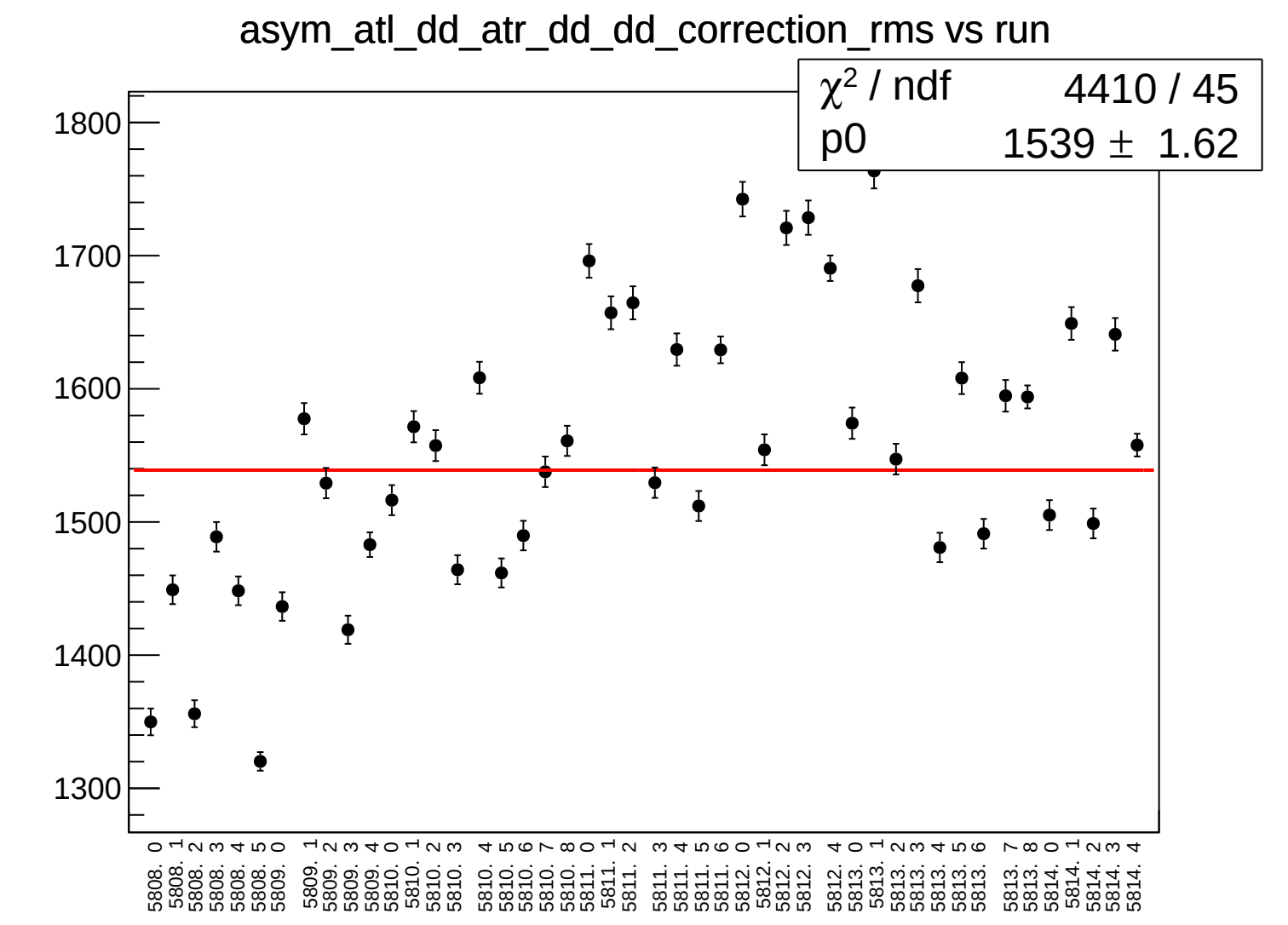

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2047 / 45
p0 3532 ± 3.712
4400
4200
4000
3800
3600
3400
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

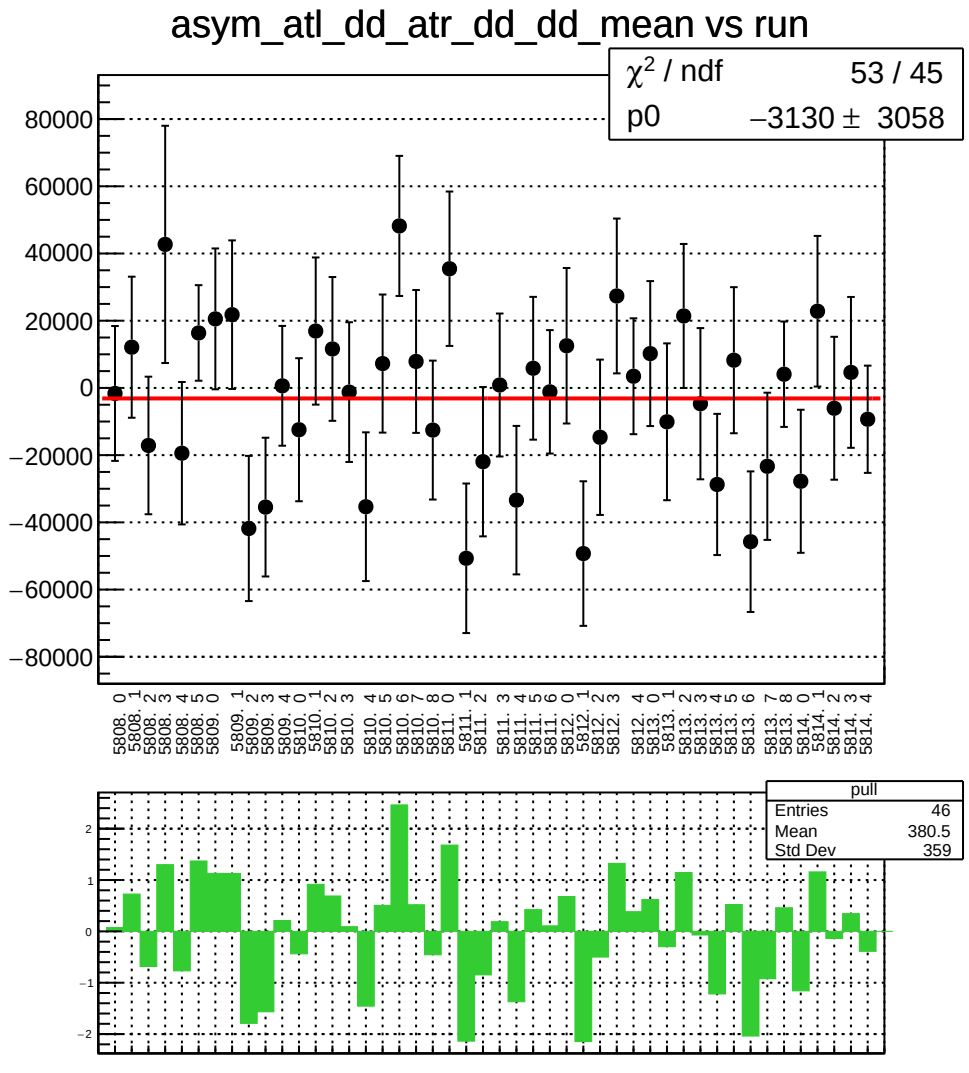

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 42.5 / 45
p0 3027 ± 2018
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 15.83
Std Dev 29.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.009406
Std Dev 0.9612
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

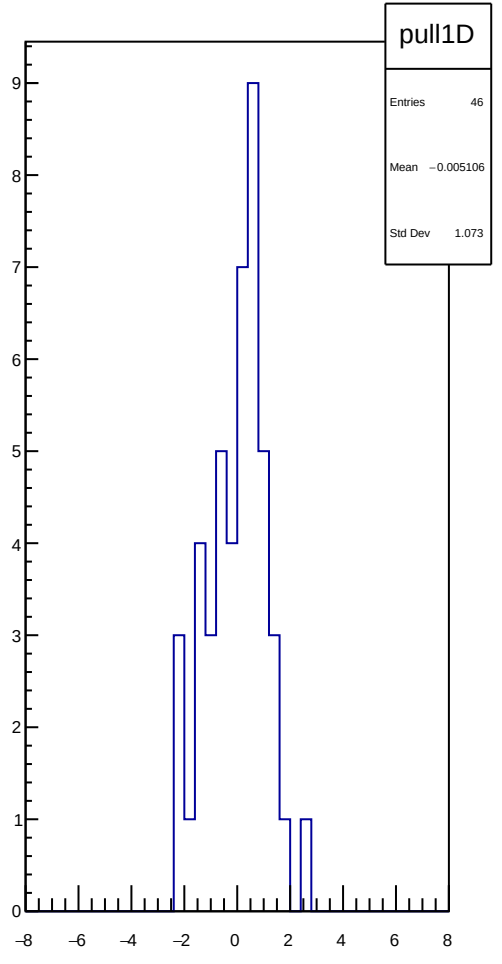

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5403 / 45
p0 1355 ± 1.427
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

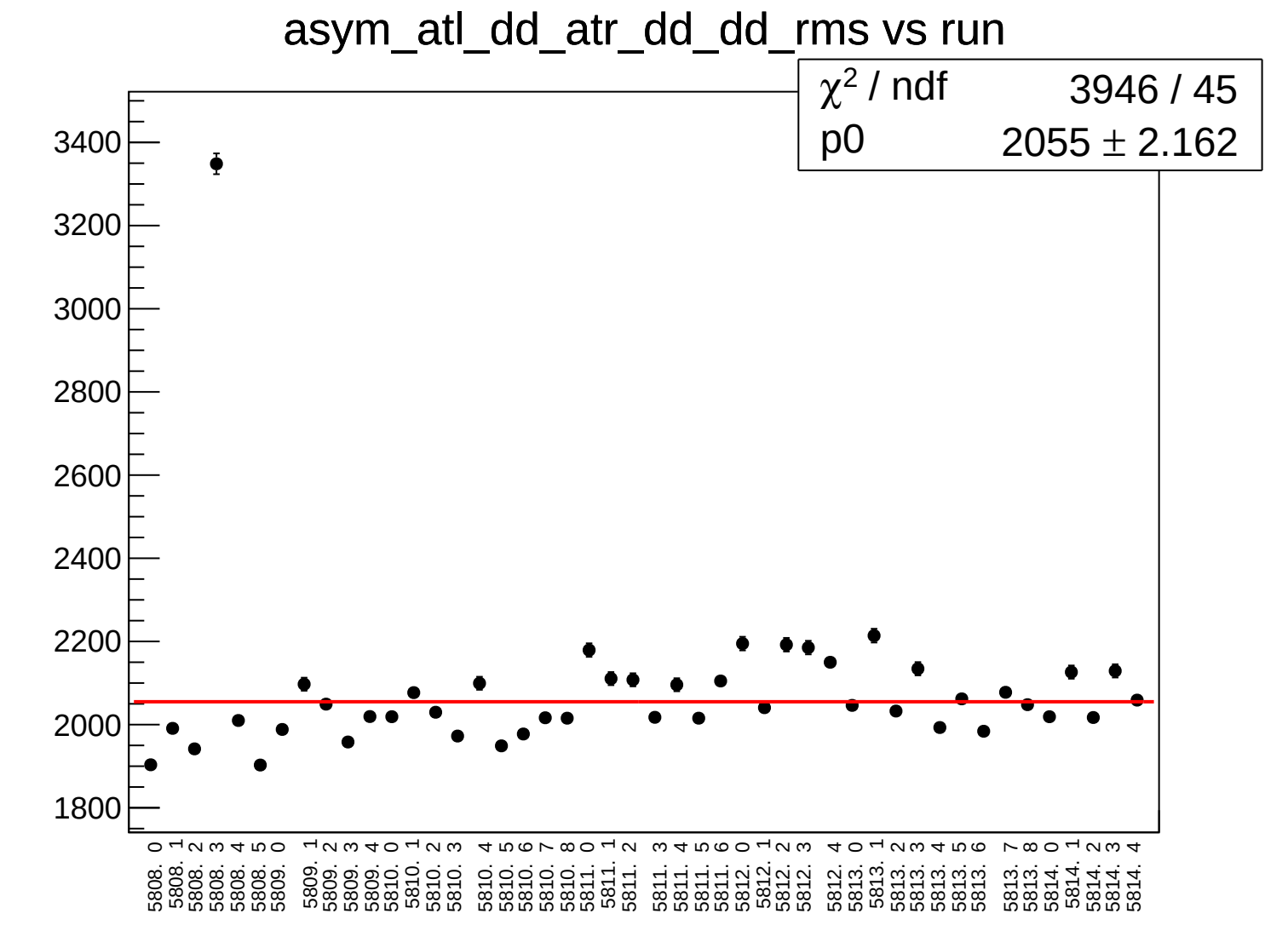

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 50.21 / 45
p0 6001 ± 2290
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 393.7
Std Dev 373.4
2
1
0
−1
−2

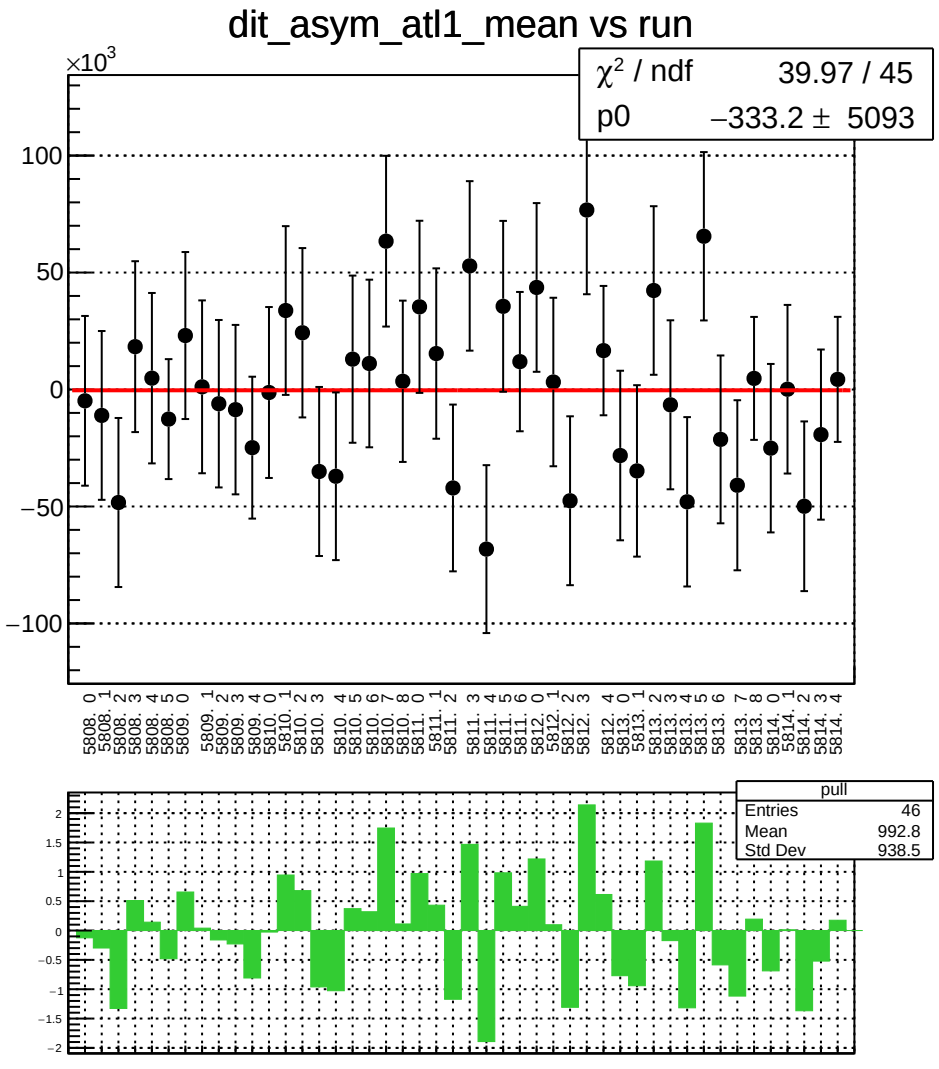

pull1D
Entries 46
Mean 0.006876
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

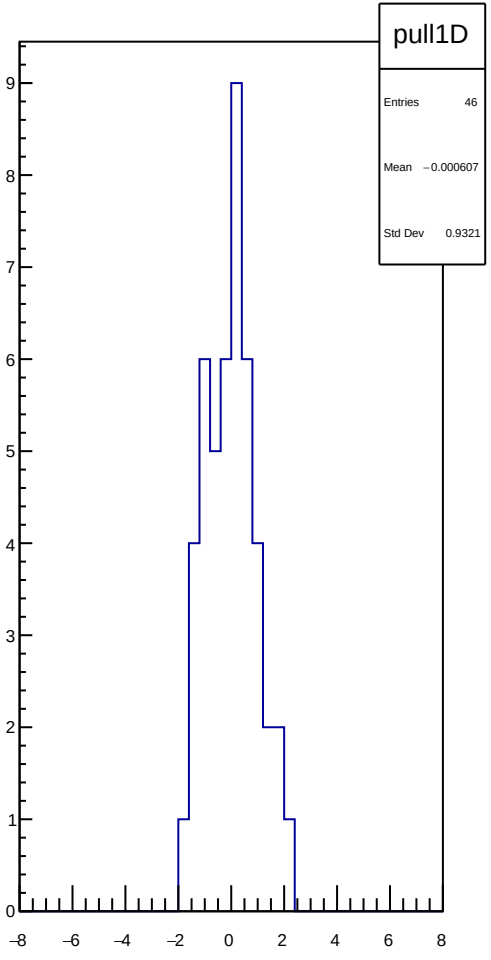

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4410 / 45
p0 1539 ± 1.62
1800
1700
1600
1500
1400
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

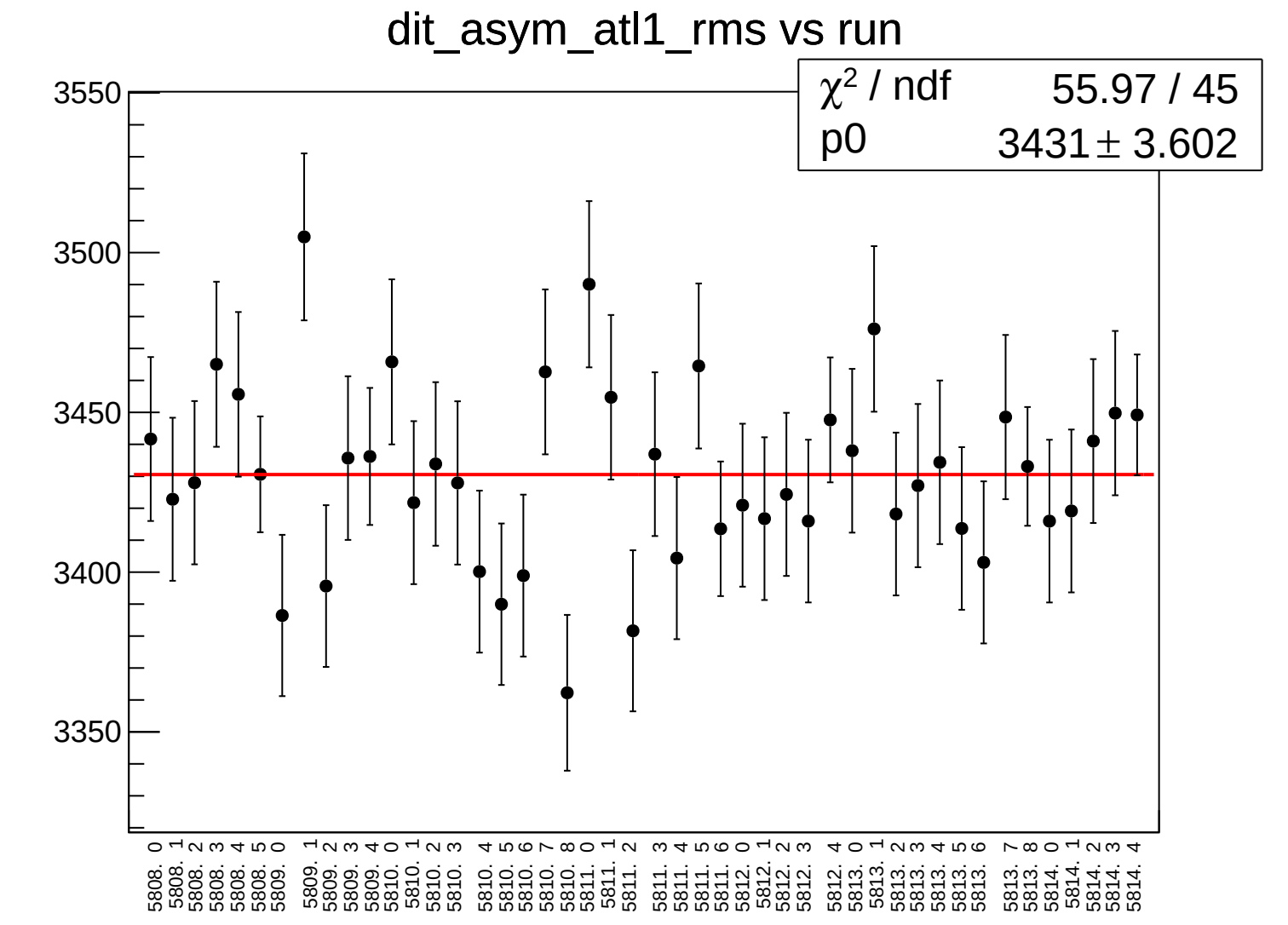

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 53 / 45
p0 −3130 ± 3058
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 380.5
Std Dev 359
2
1
0
−1
−2

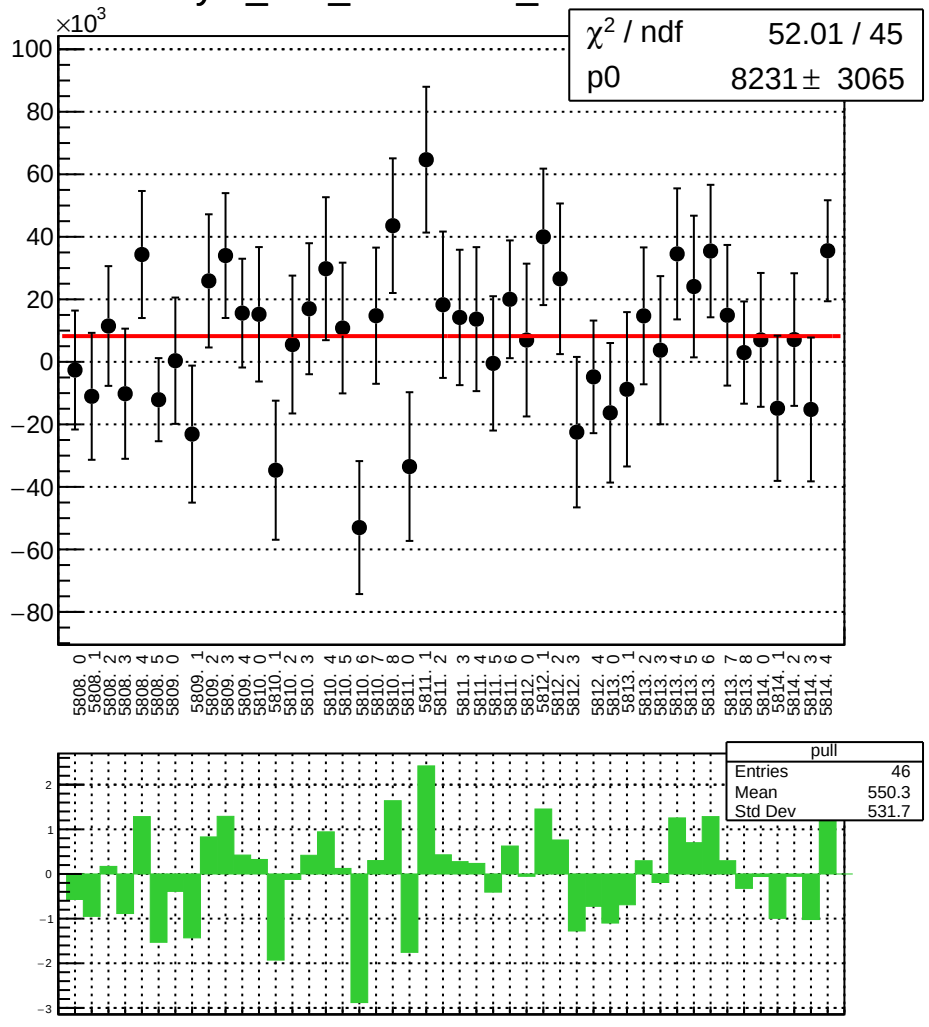

pull1D
Entries 46
Mean −0.005106
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

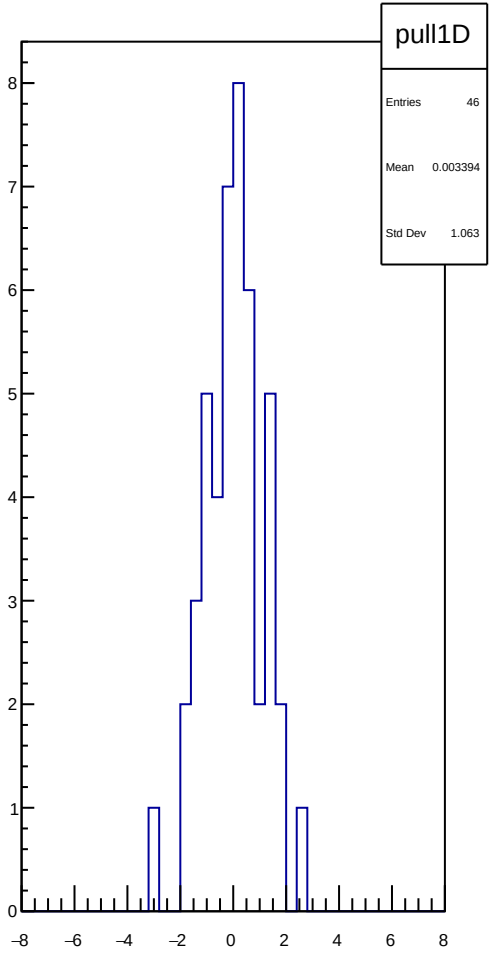

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3946 / 45
p0 2055 ± 2.162
3400
3200
3000
2800
2600
2400
2200
2000
1800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

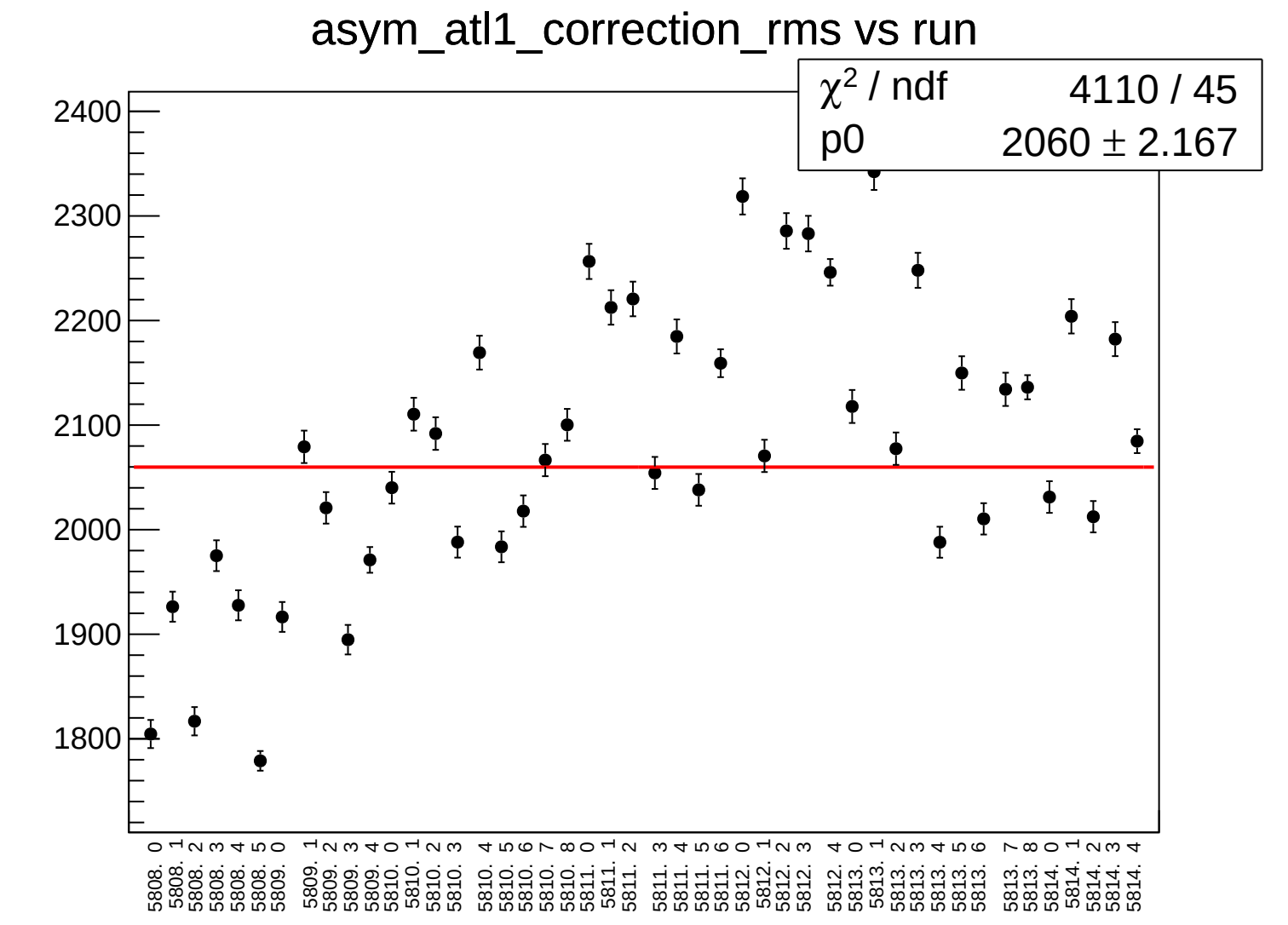

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 39.97 / 45
p0 −333.2 ± 5093
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 992.8
Std Dev 938.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

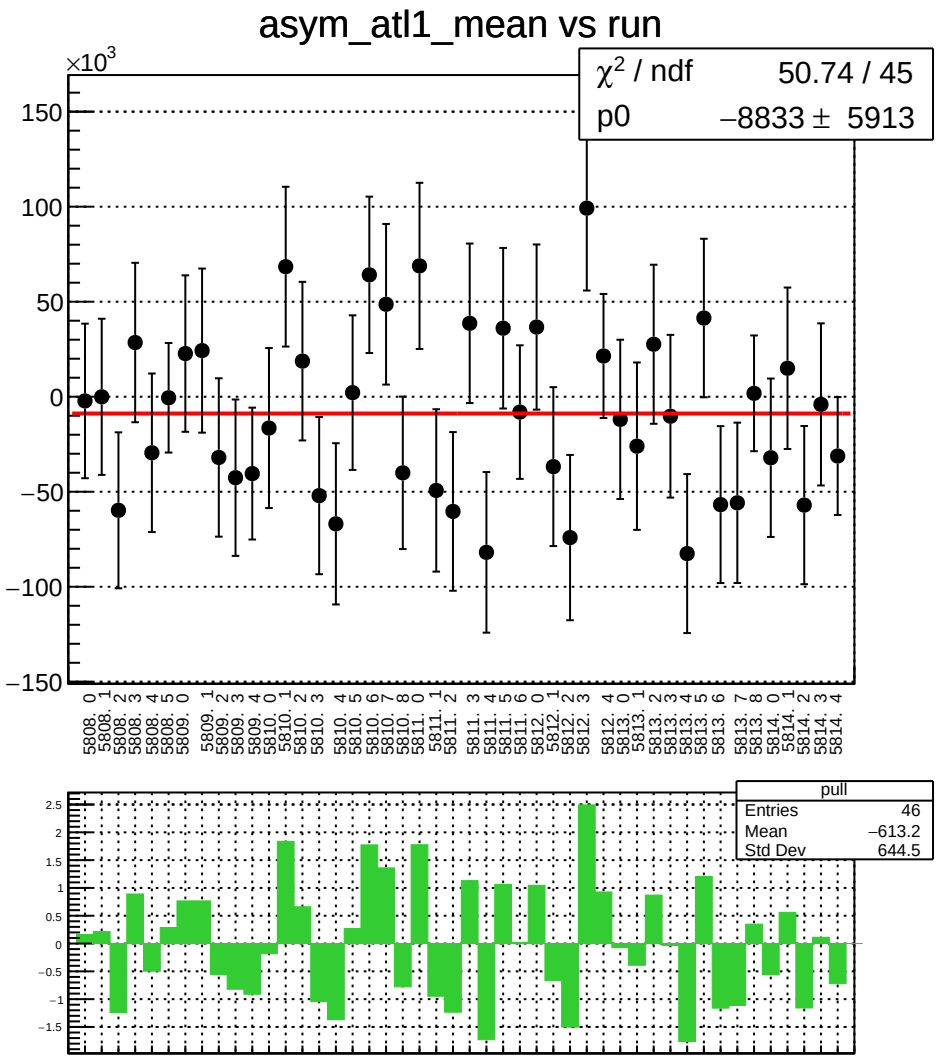

pull1D
Entries 46
Mean −0.000607
Std Dev 0.9321
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

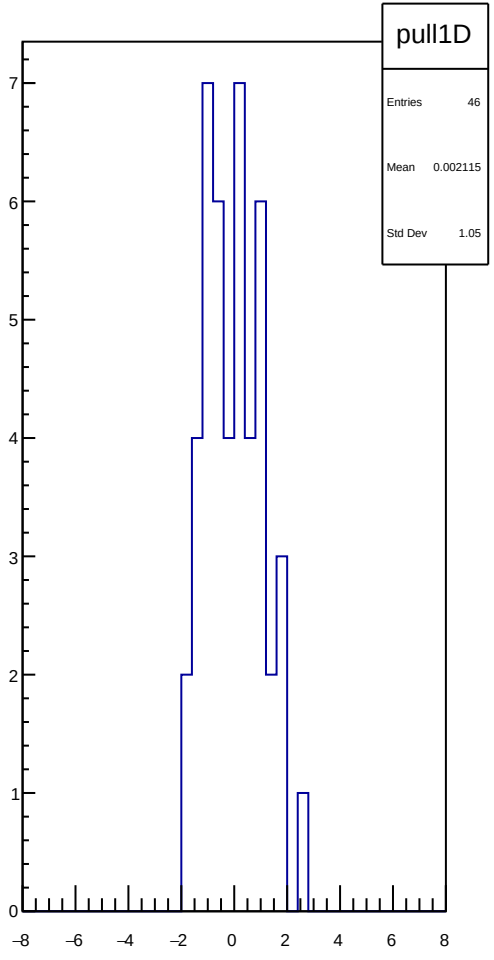

dit_asym_atl1_rms vs run
χ² / ndf 55.97 / 45
p0 3431 ± 3.602
3550
3500
3450
3400
3350
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

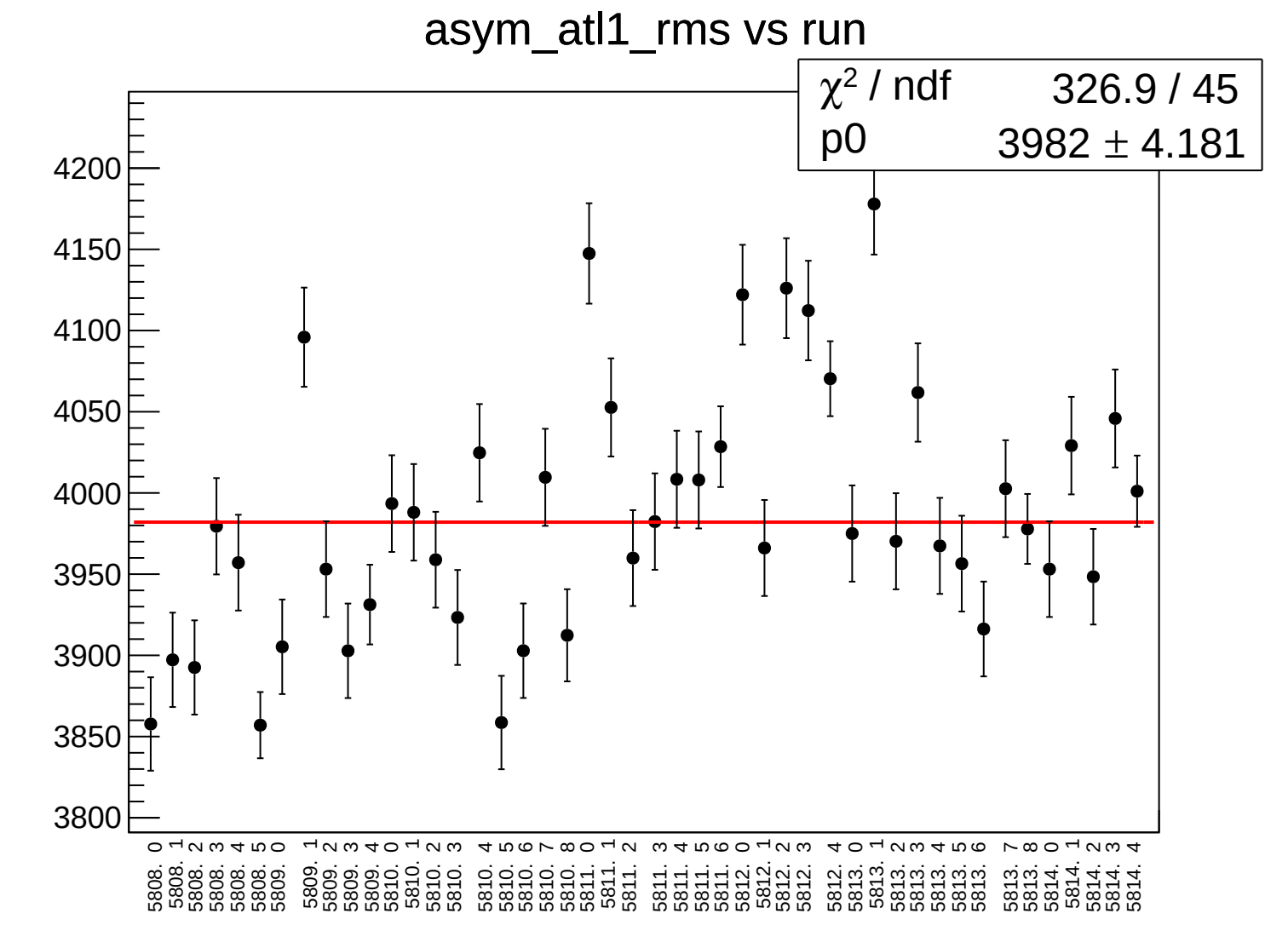

asym_atl1_correction_mean vs run
×10^3
χ² / ndf 52.01 / 45
p0 8231 ± 3065
pull
Entries 46
Mean 550.3
Std Dev 531.7

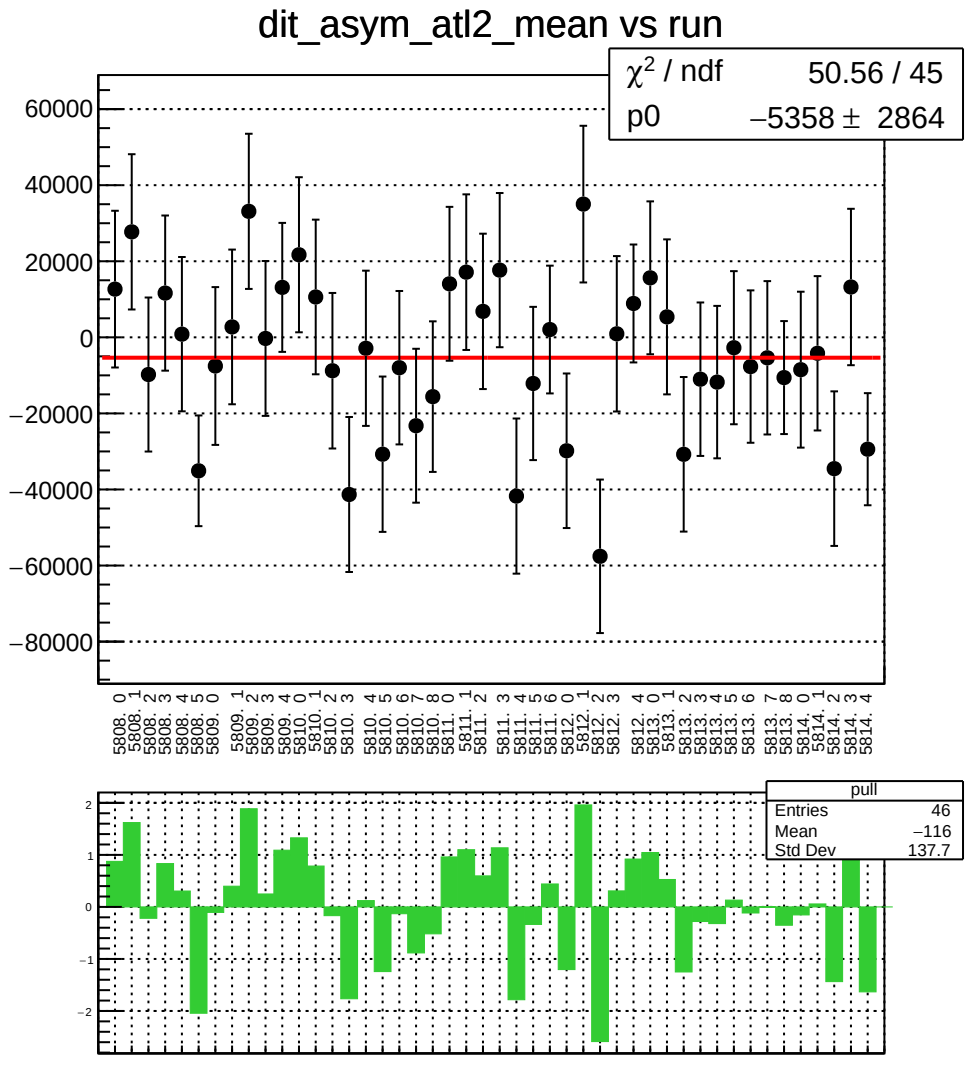

pull1D
Entries 46
Mean 0.003394
Std Dev 1.063

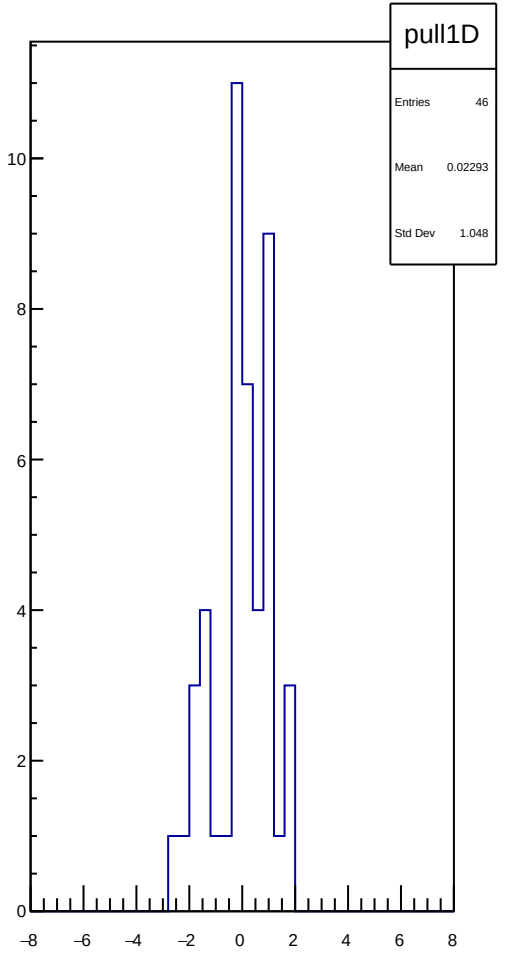

asym_atl1_correction_rms vs run
χ² / ndf 4110 / 45
p0 2060 ± 2.167
2400
2300
2200
2100
2000
1900
1800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

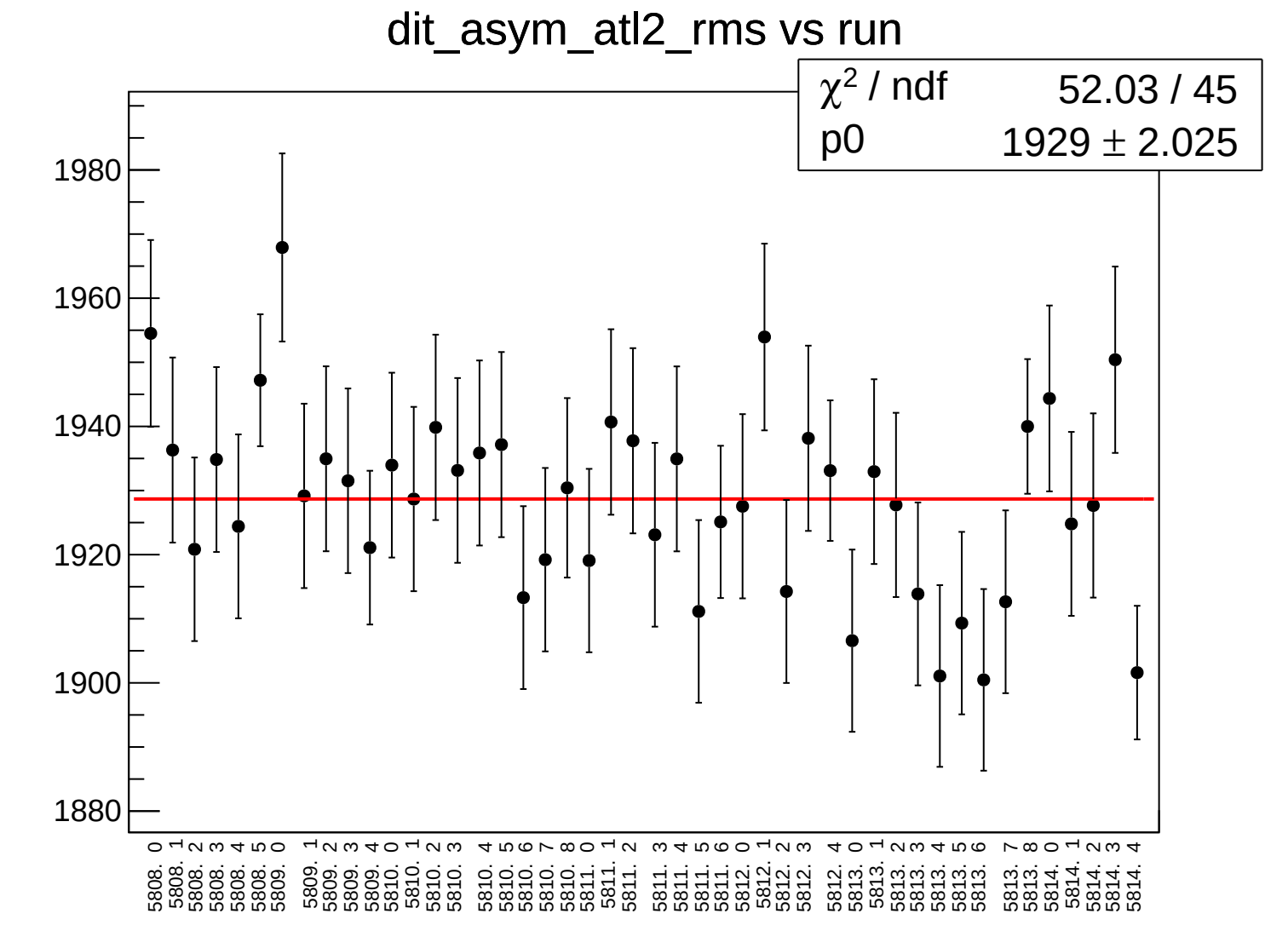

asym_atl1_mean vs run
×10^3
χ² / ndf 50.74 / 45
p0 −8833 ± 5913
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −613.2
Std Dev 644.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

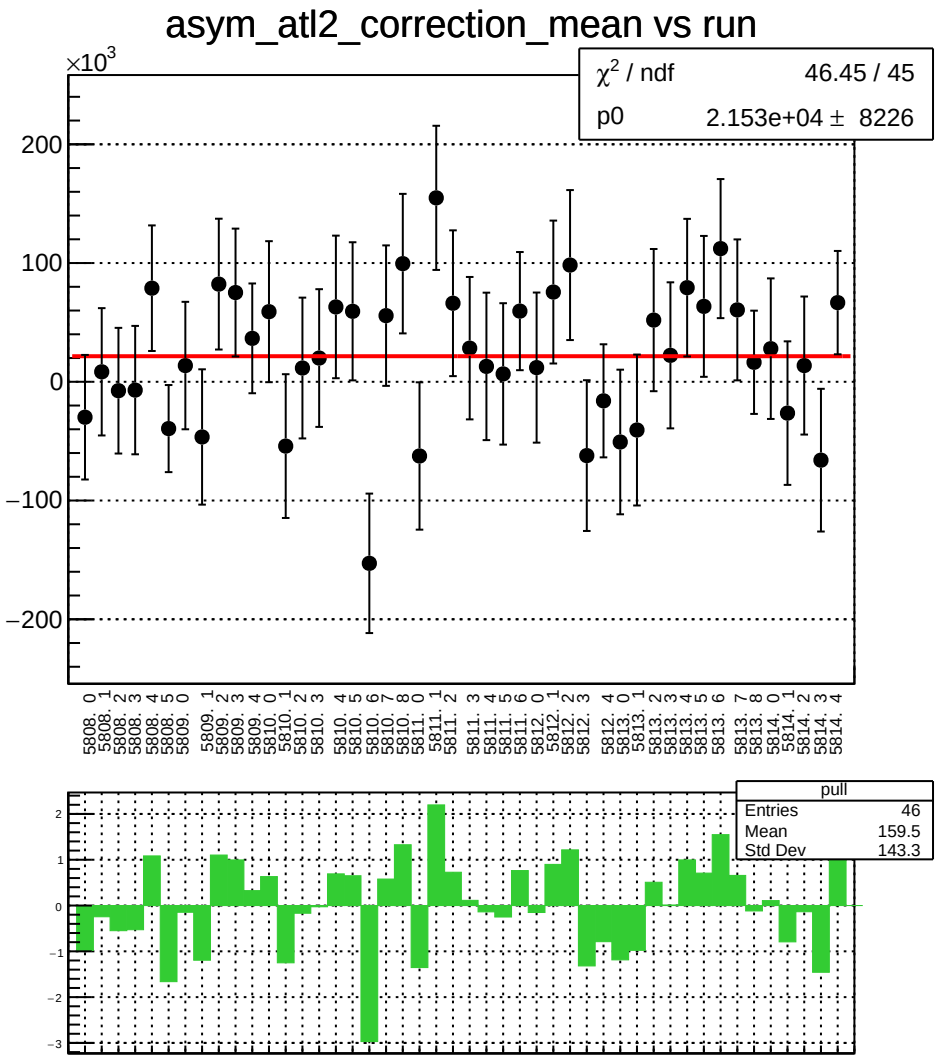

pull1D
Entries 46
Mean 0.002115
Std Dev 1.05
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

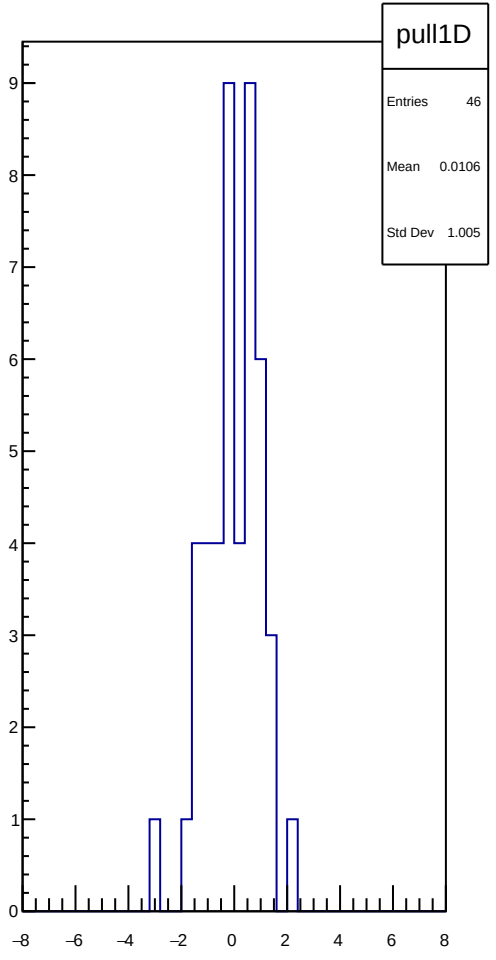

asym_atl1_rms vs run
χ² / ndf 326.9 / 45
p0 3982 ± 4.181
4200
4150
4100
4050
4000
3950
3900
3850
3800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

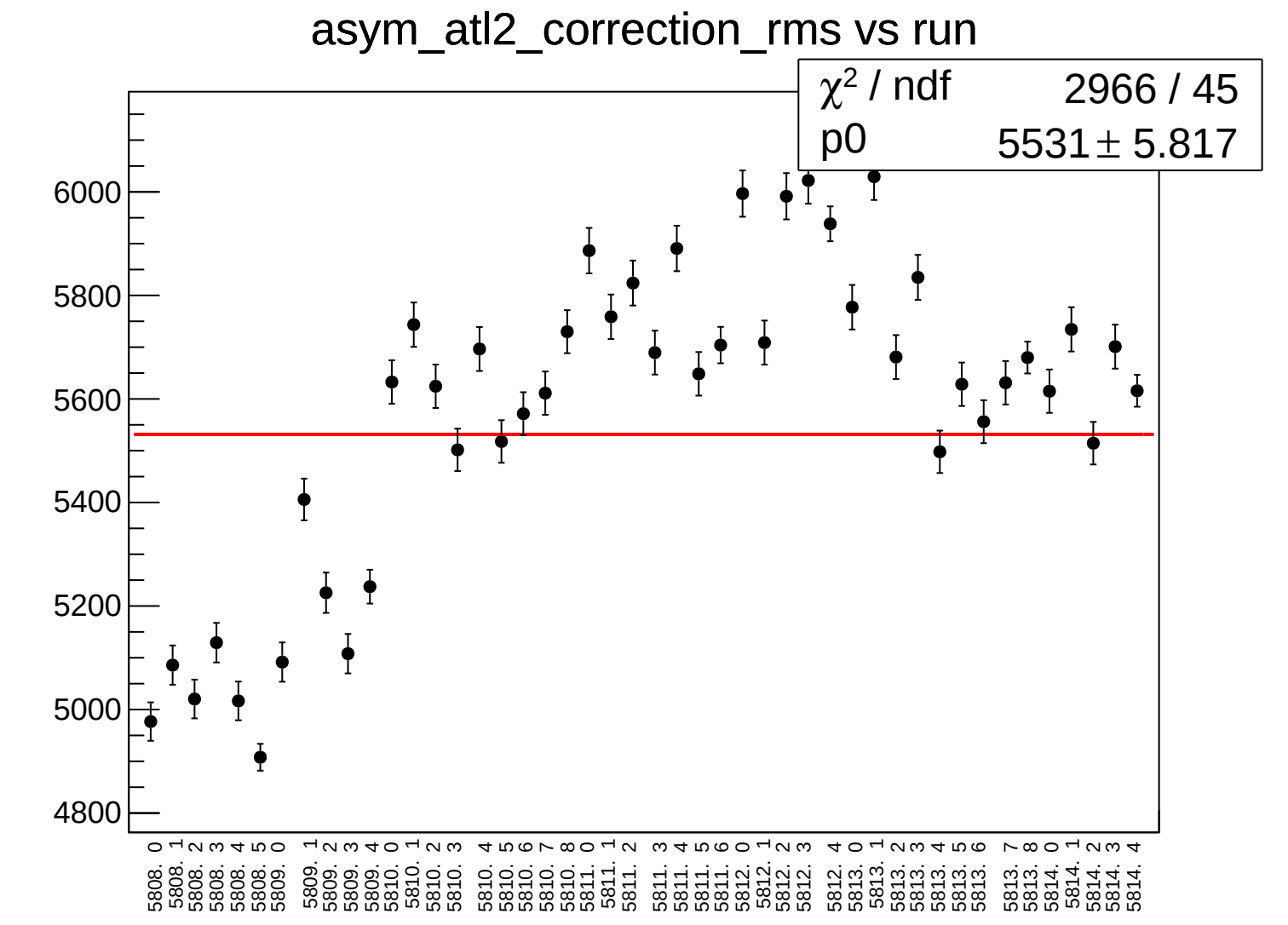

dit_asym_atl2_mean vs run
χ² / ndf 50.56 / 45
p0 −5358 ± 2864
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −116
Std Dev 137.7
2
1
0
−1
−2

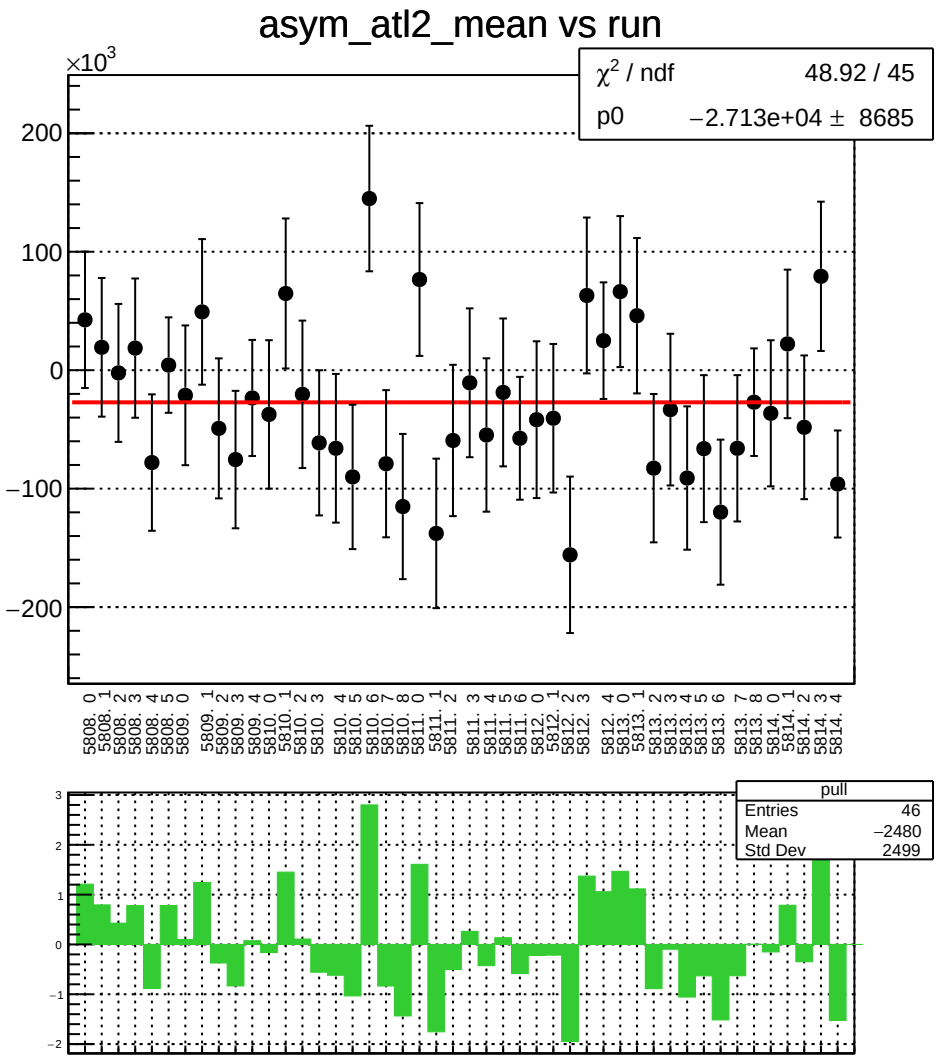

pull1D
Entries 46
Mean 0.02293
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

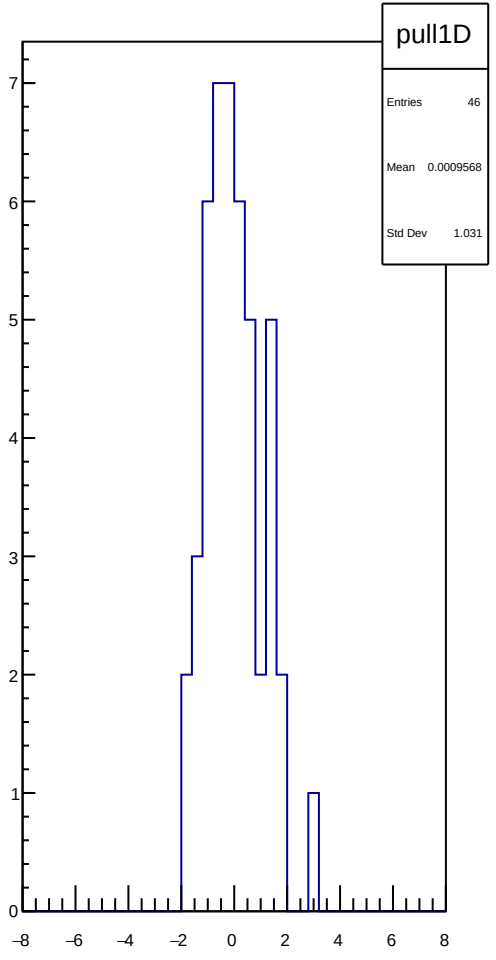

dit_asym_atl2_rms vs run
χ² / ndf 52.03 / 45
p0 1929 ± 2.025
1980
1960
1940
1920
1900
1880
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

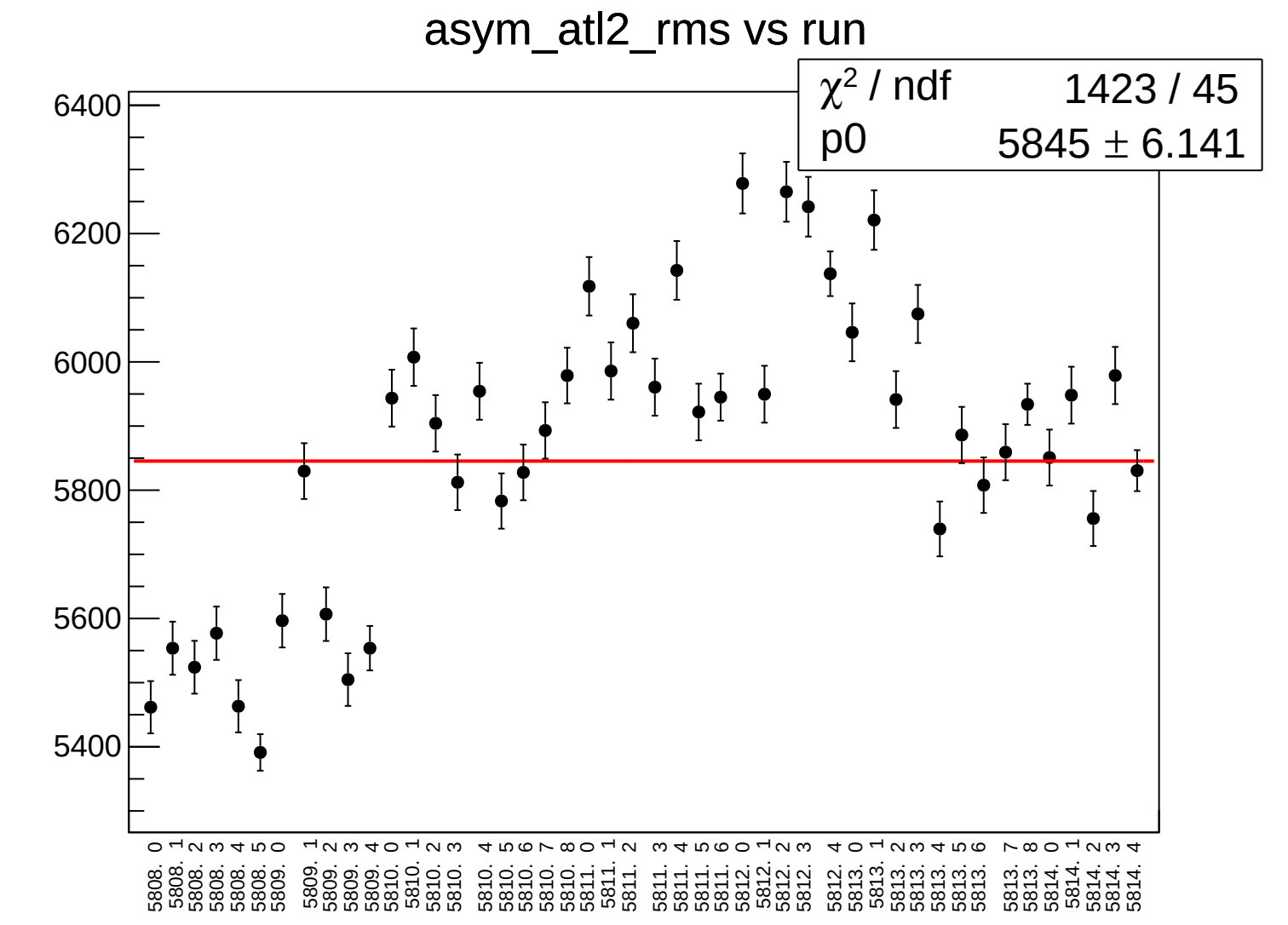

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 46.45 / 45
p0 2.153e+04 ± 8226
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 159.5
Std Dev 143.3
2
1
0
−1
−2
−3

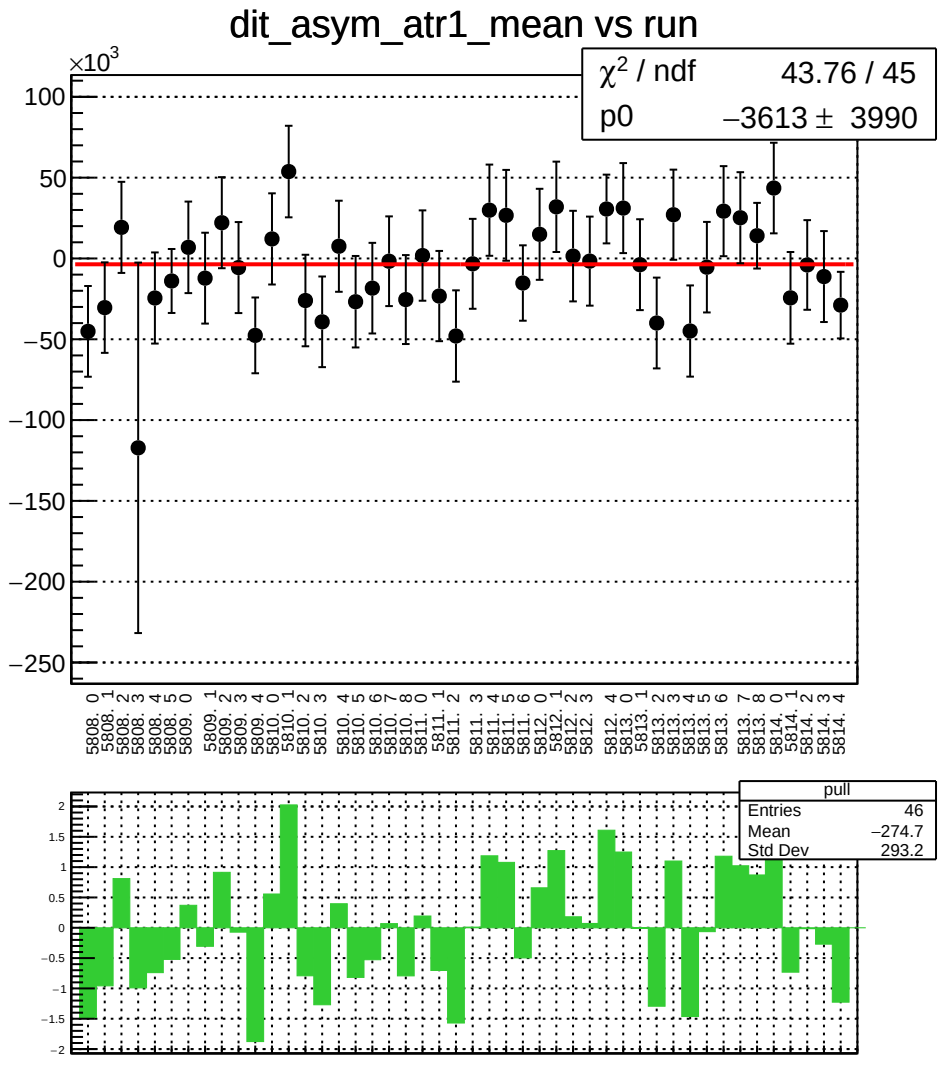

pull1D
Entries 46
Mean 0.0106
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

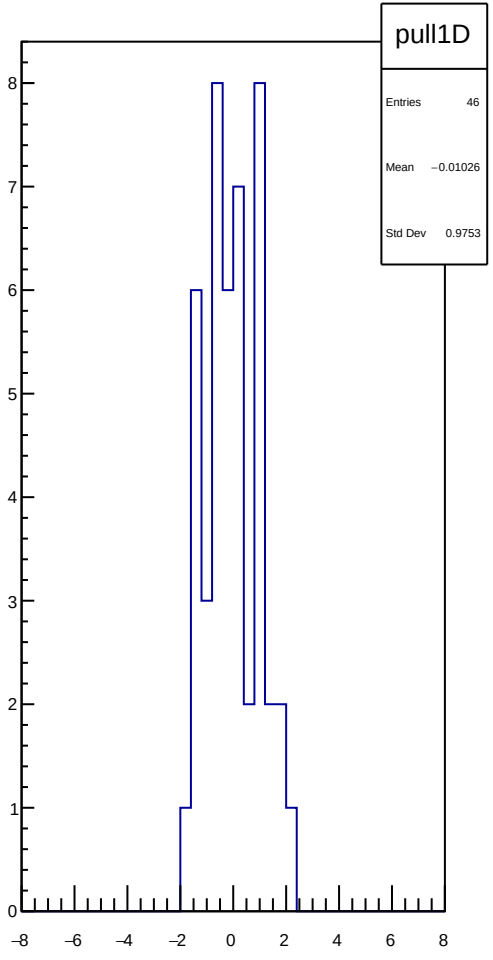

asym_atl2_correction_rms vs run
χ² / ndf 2966 / 45
p0 5531 ± 5.817
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

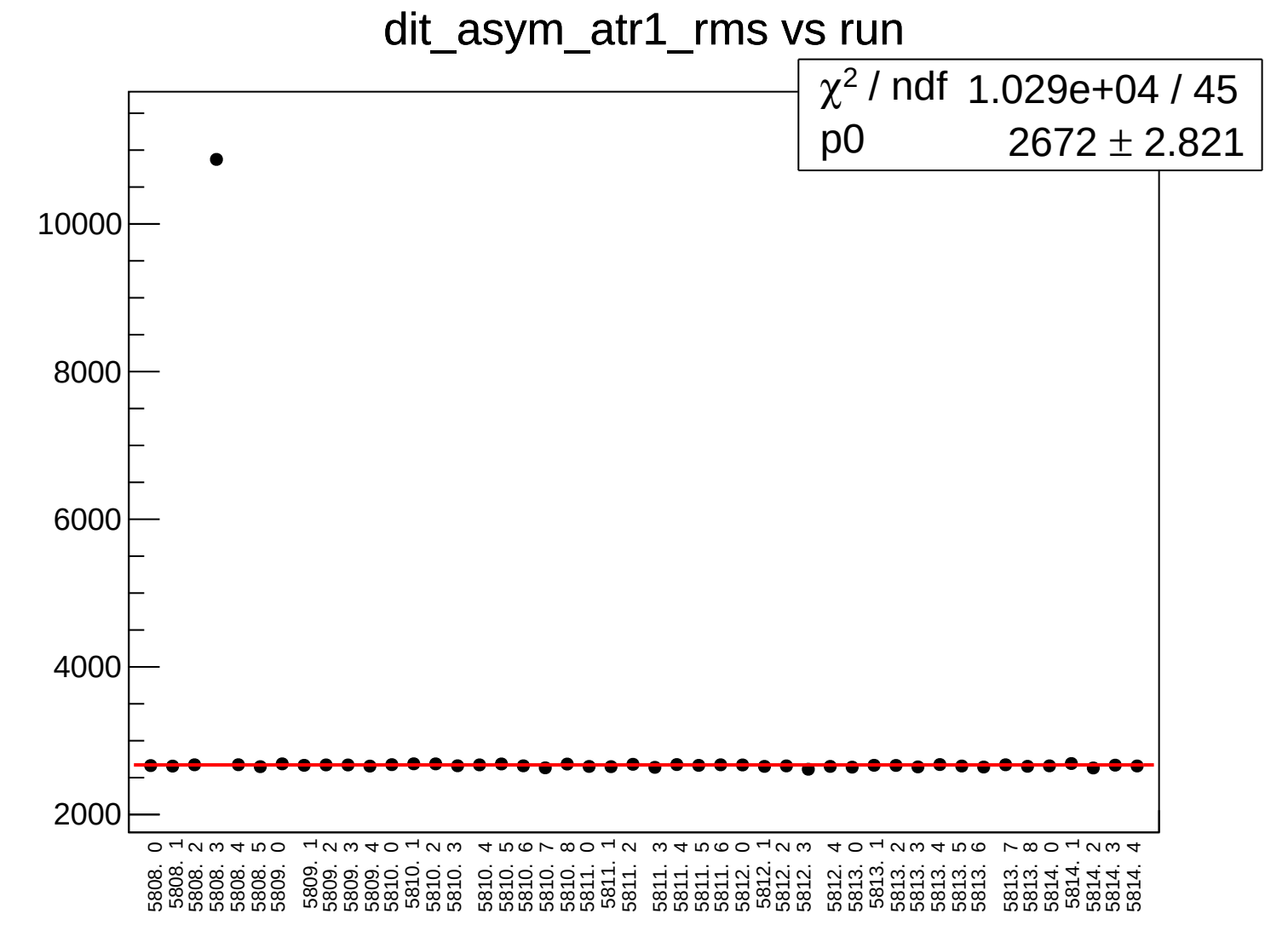

asym_atl2_mean vs run
×10^3
χ² / ndf 48.92 / 45
p0 −2.713e+04 ± 8685
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −2480
Std Dev 2499
3
2
1
0
−1
−2

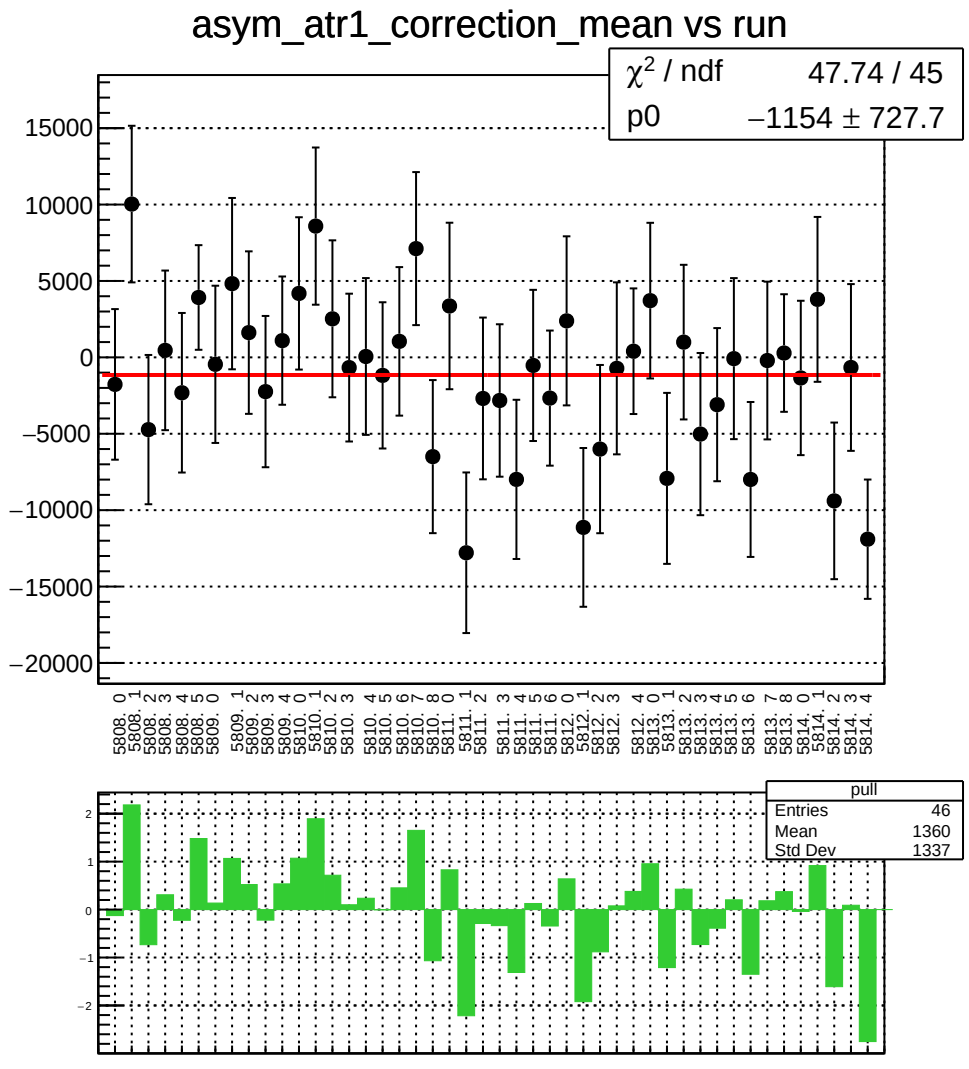

pull1D
Entries 46
Mean 0.0009568
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

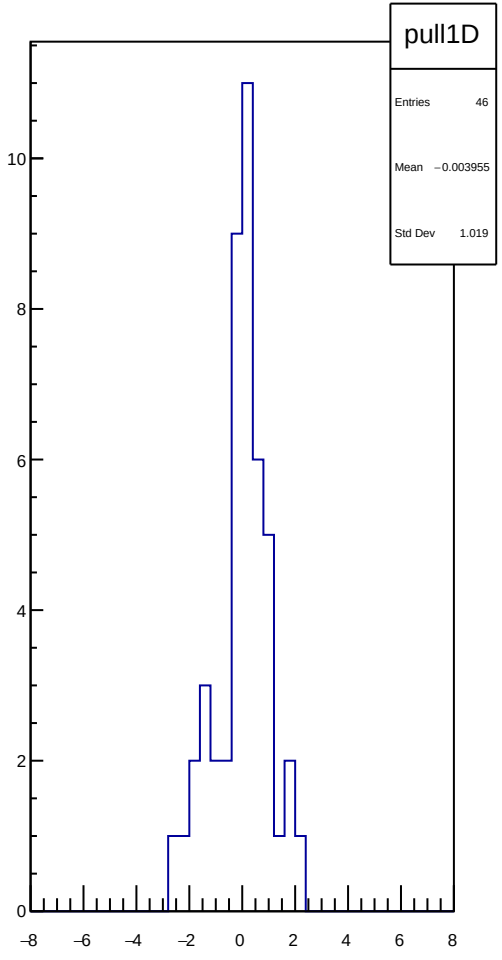

asym_atl2_rms vs run
χ² / ndf 1423 / 45
p0 5845 ± 6.141
6400
6200
6000
5800
5600
5400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

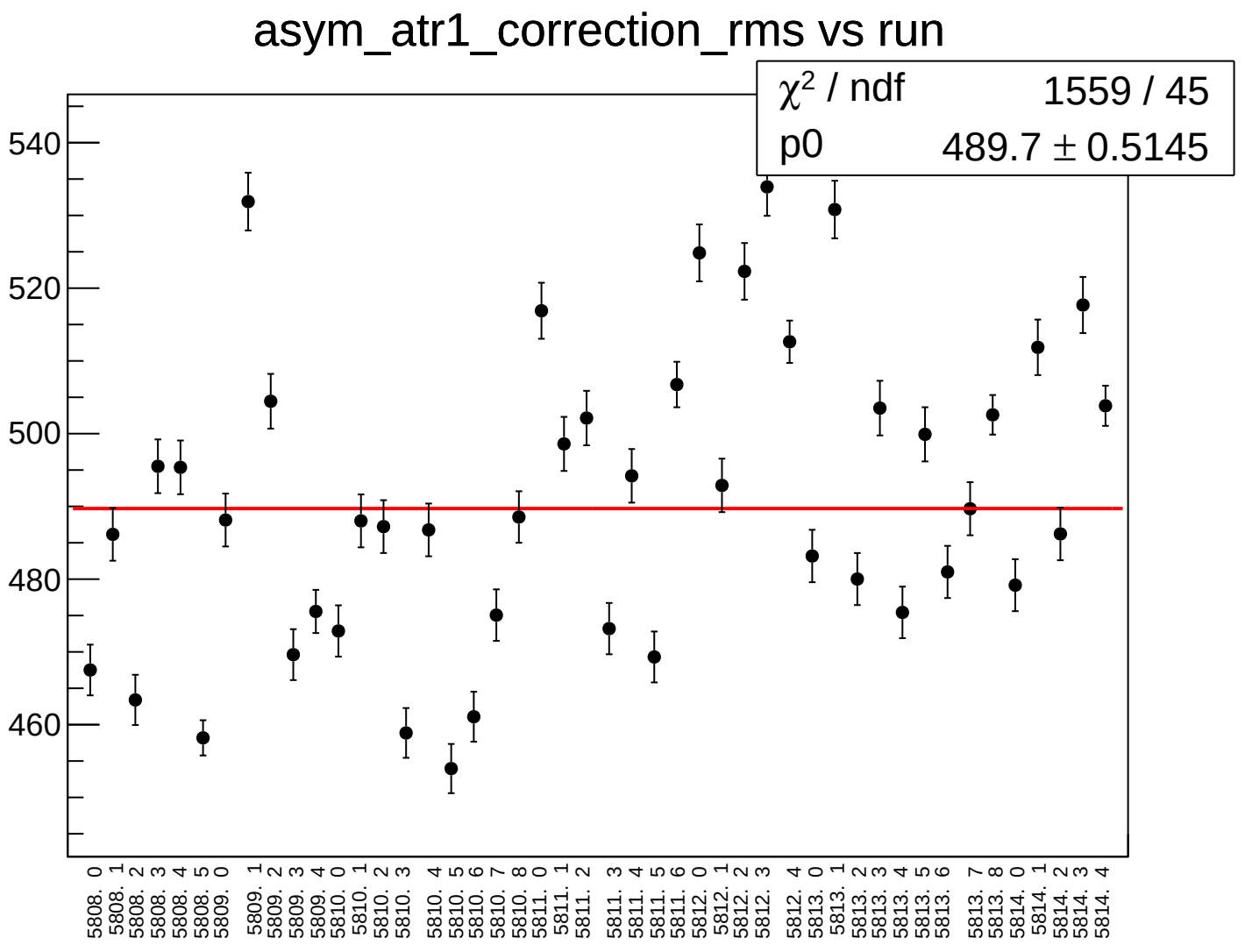

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 43.76 / 45
p0 −3613 ± 3990
100
50
0
−50
−100
−150
−200
−250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −274.7
Std Dev 293.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

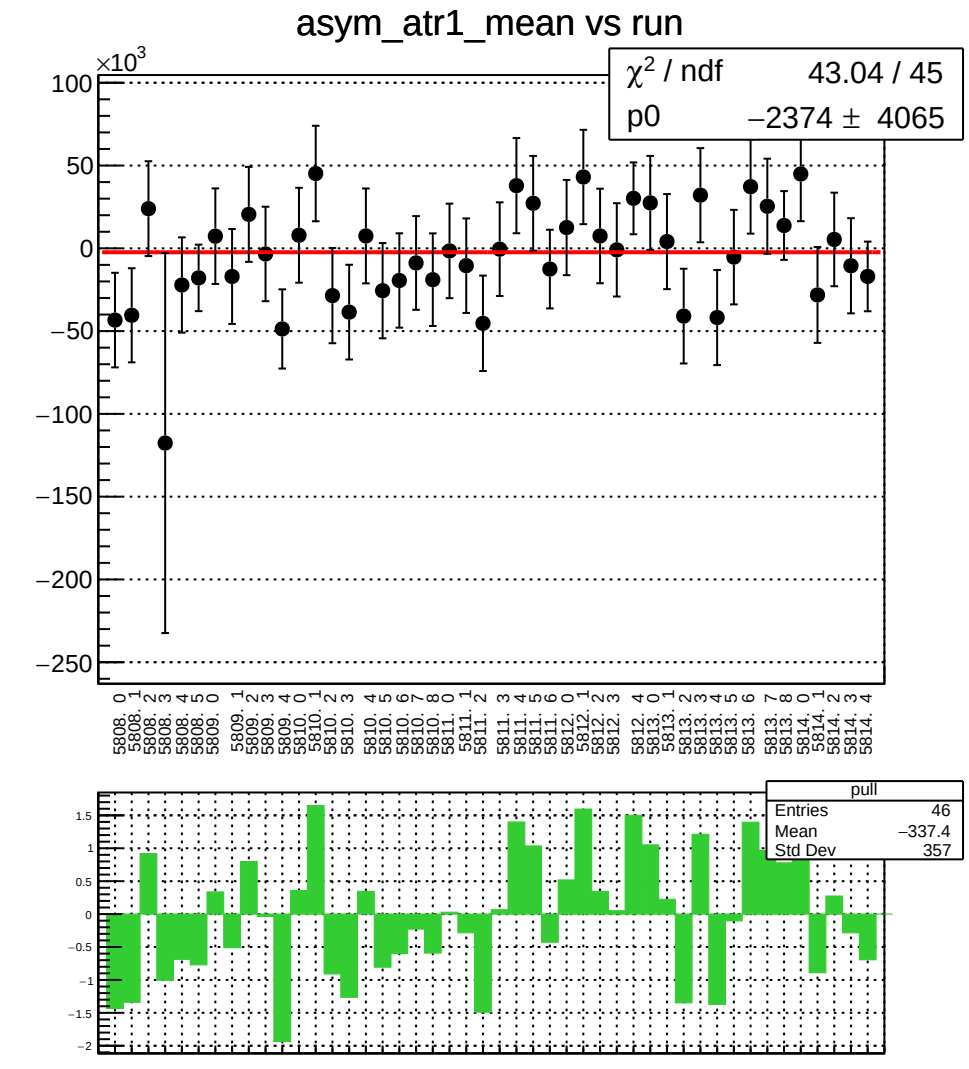

pull1D
Entries 46
Mean −0.01026
Std Dev 0.9753
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

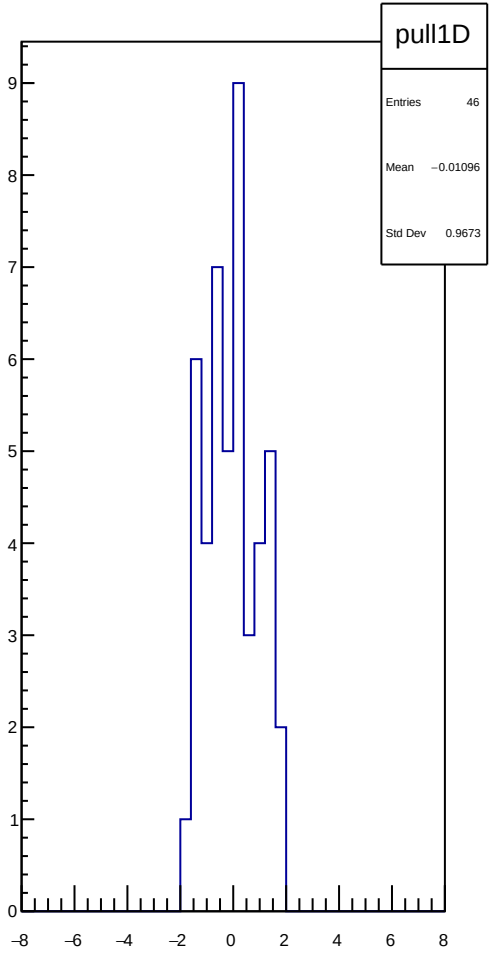

dit_asym_atr1_rms vs run
χ² / ndf 1.029e+04 / 45
p0 2672 ± 2.821
10000
8000
6000
4000
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

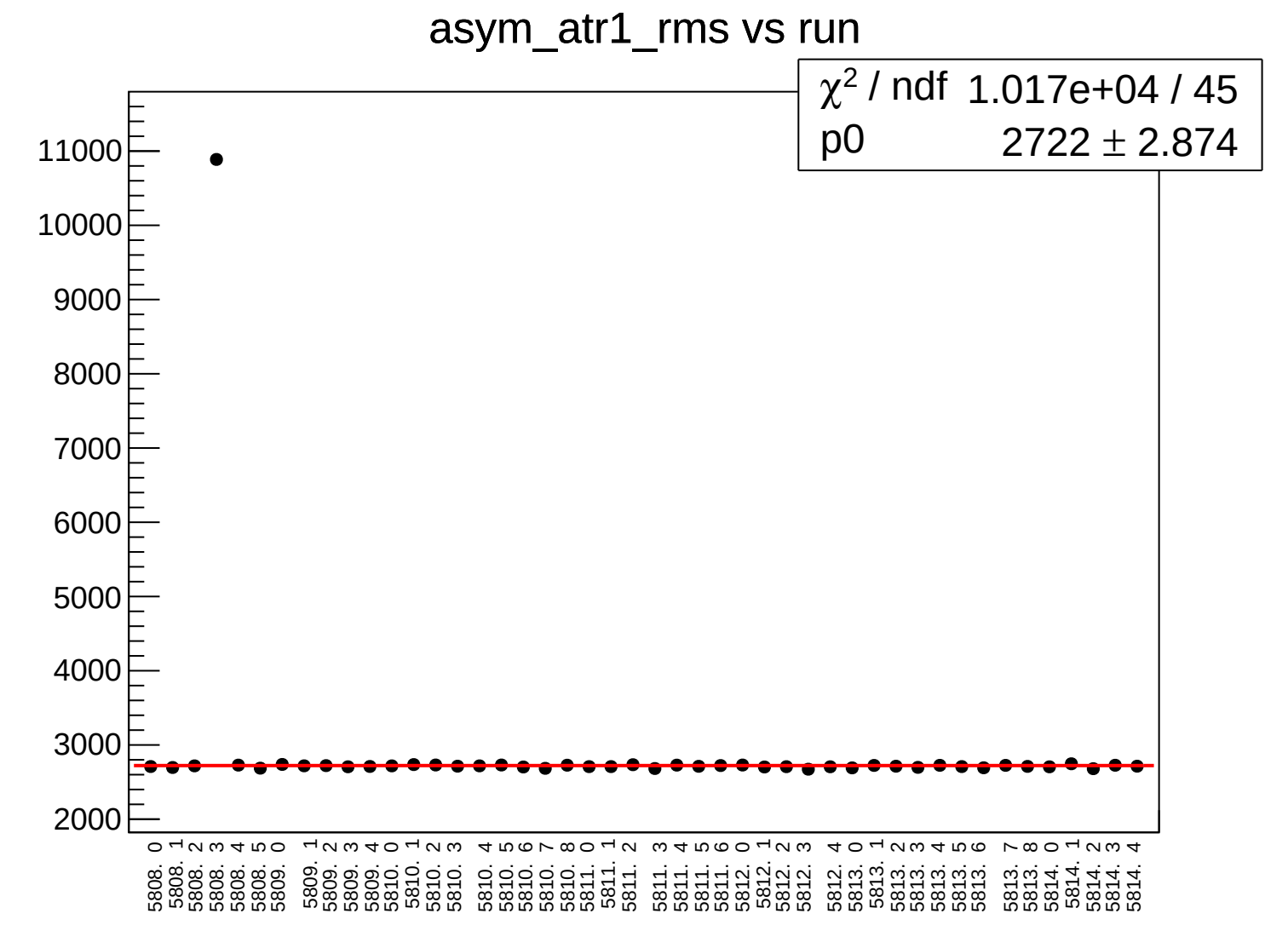

asym_atr1_correction_mean vs run
χ^2 / ndf 47.74 / 45
p0 −1154 ± 727.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1360
Std Dev 1337
2
1
0
−1
−2

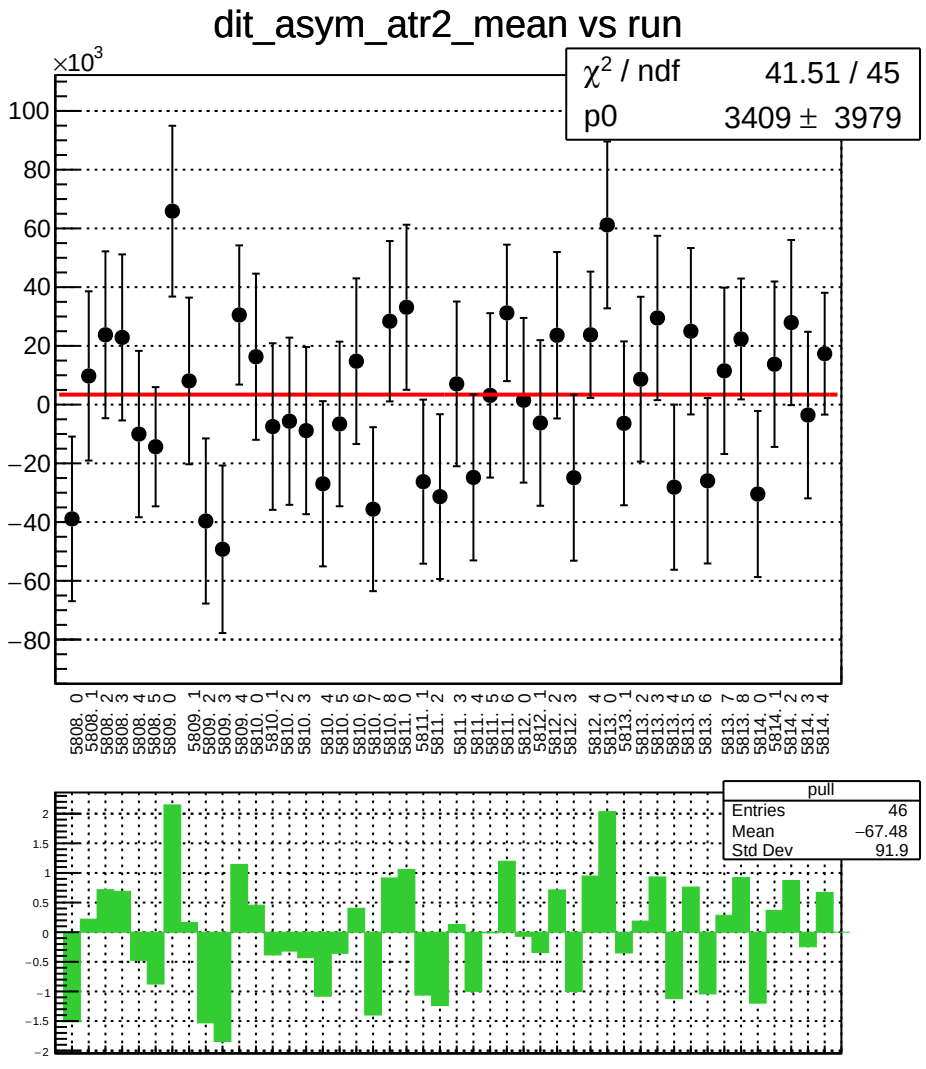

pull1D
Entries 46
Mean −0.003955
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

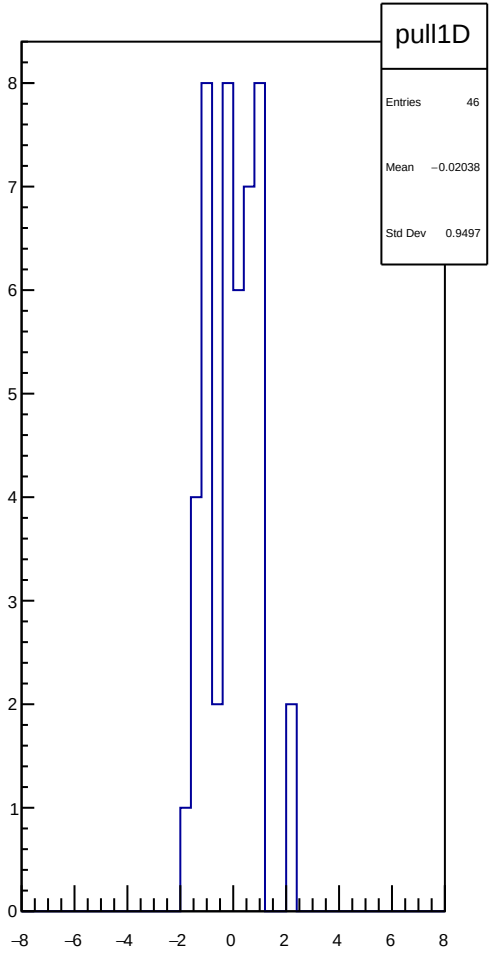

asym_atr1_correction_rms vs run
χ² / ndf 1559 / 45
p0 489.7 ± 0.5145
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

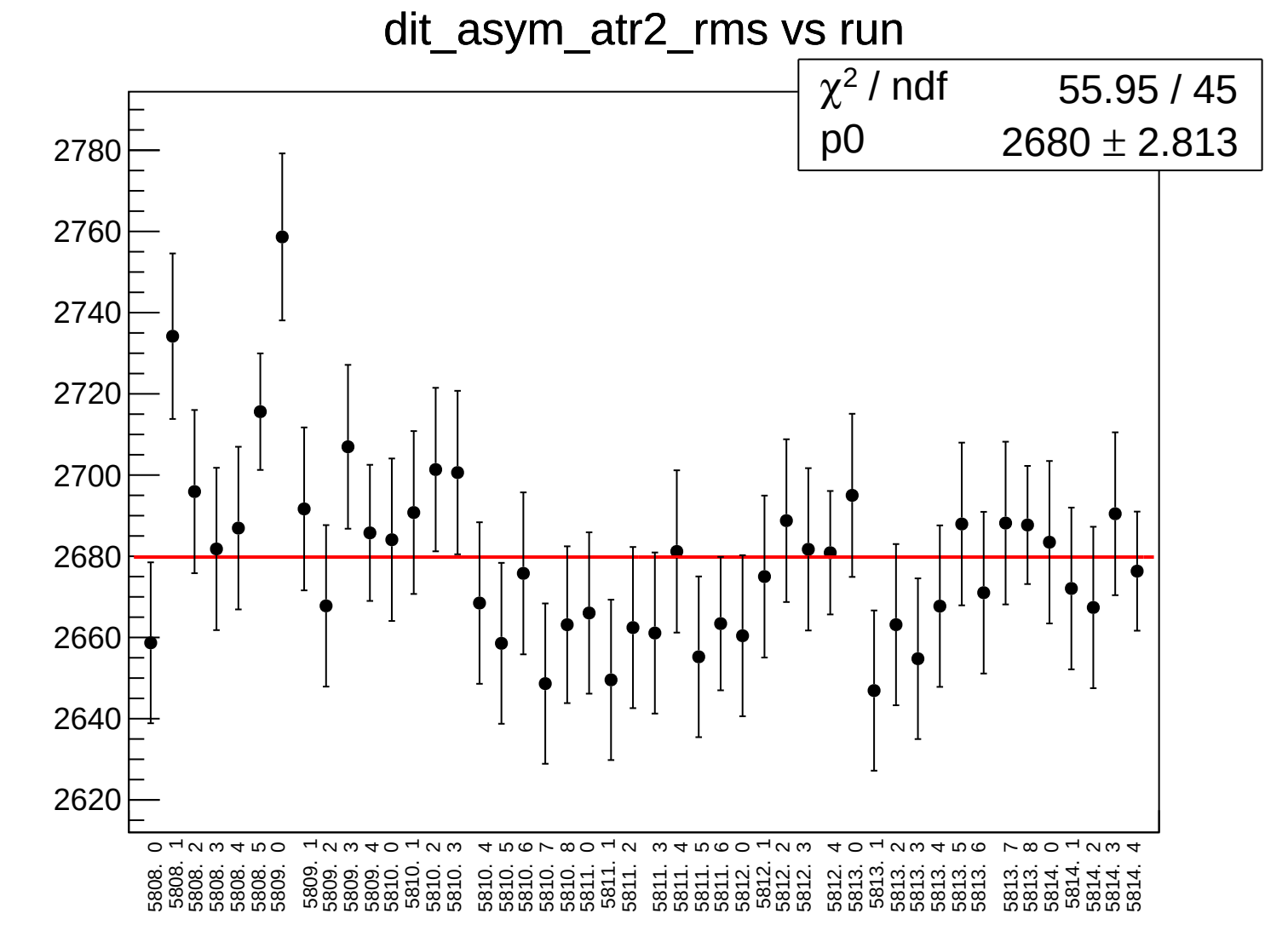

asym_atr1_mean vs run
×10^3
χ² / ndf 43.04 / 45
p0 −2374 ± 4065
pull
Entries 46
Mean −337.4
Std Dev 357

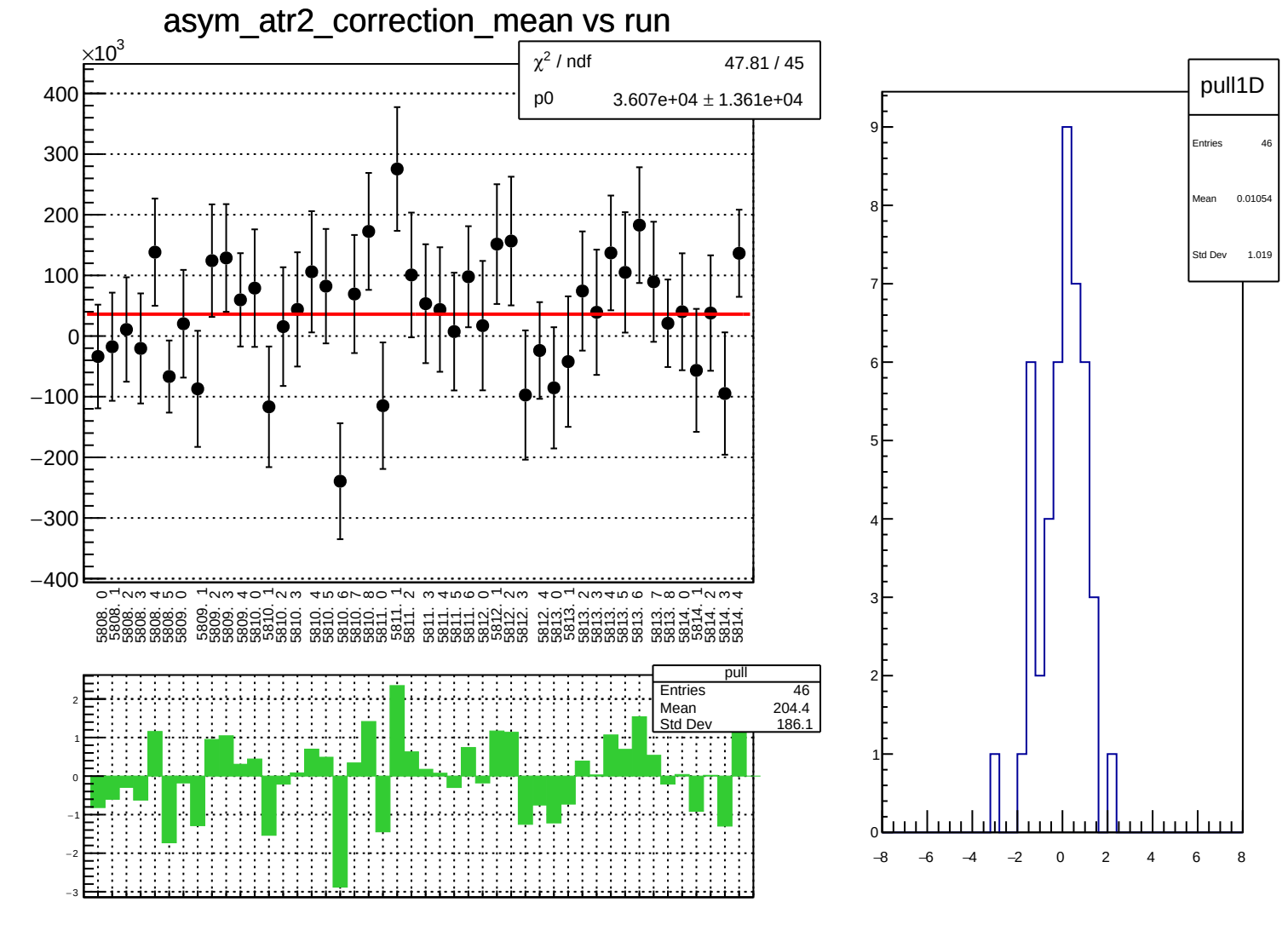

pull1D
Entries 46
Mean −0.01096
Std Dev 0.9673

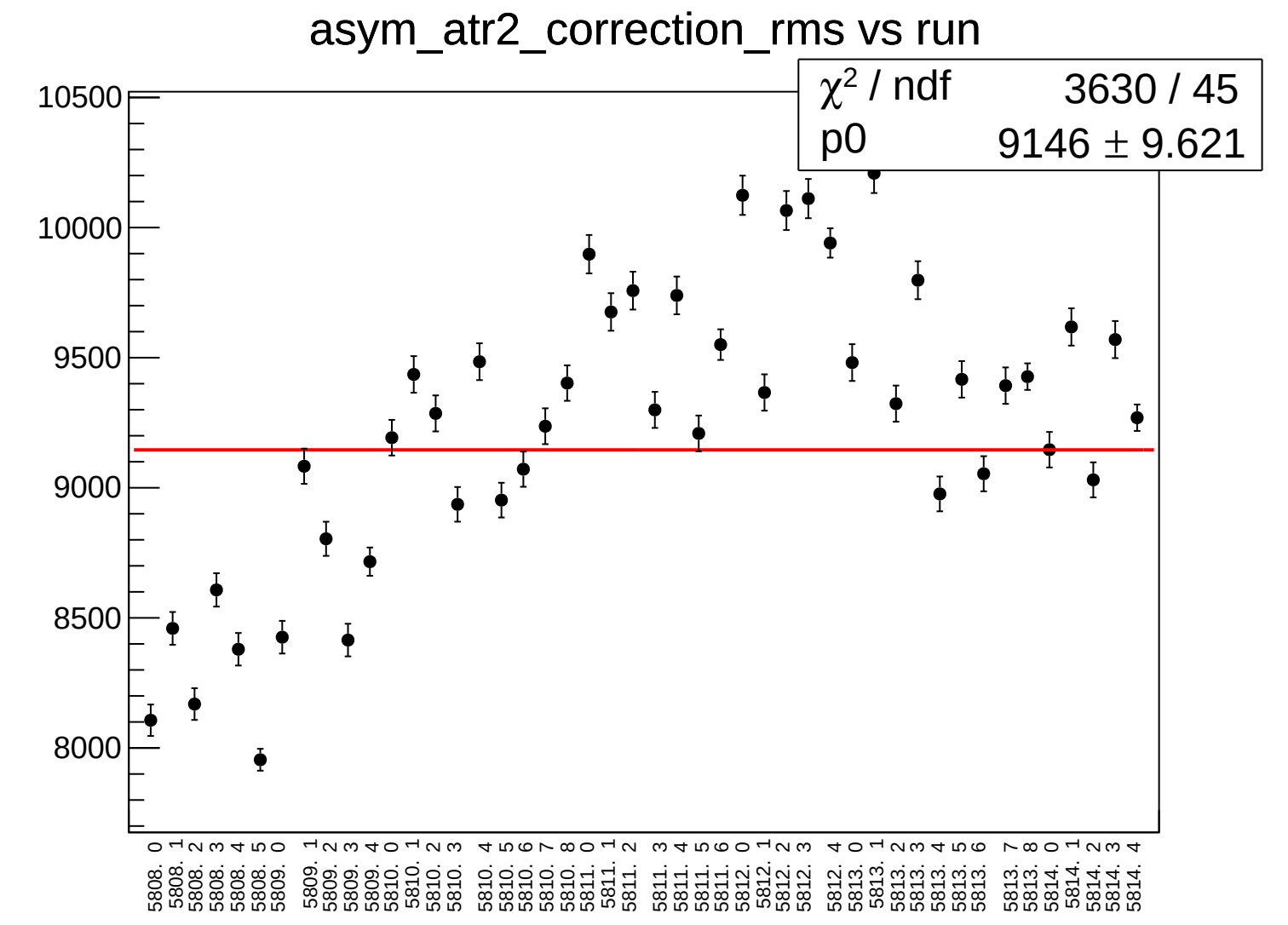

asym_atr1_rms vs run
χ² / ndf 1.017e+04 / 45
p0 2722 ± 2.874
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

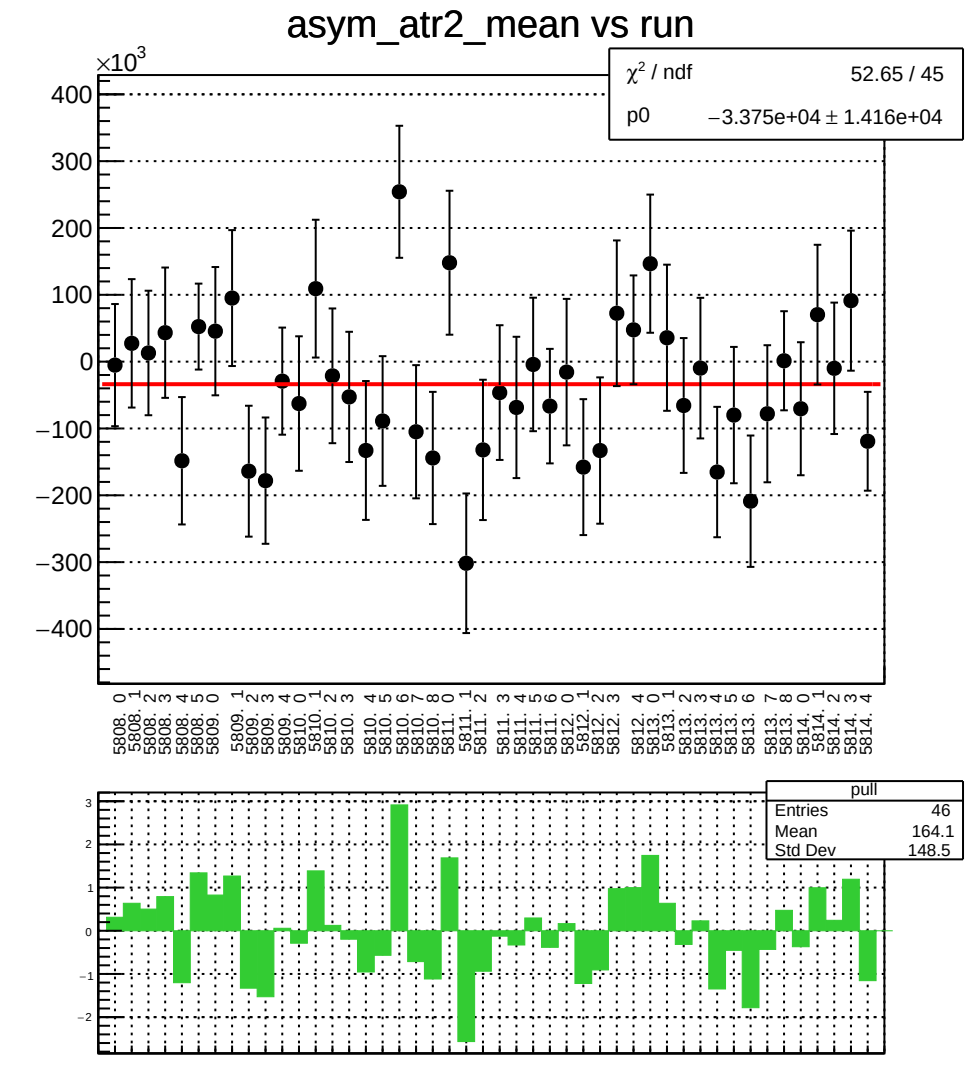

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 41.51 / 45
p0 3409 ± 3979
100
80
60
40
20
0
−20
−40
−60
−80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −67.48
Std Dev 91.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

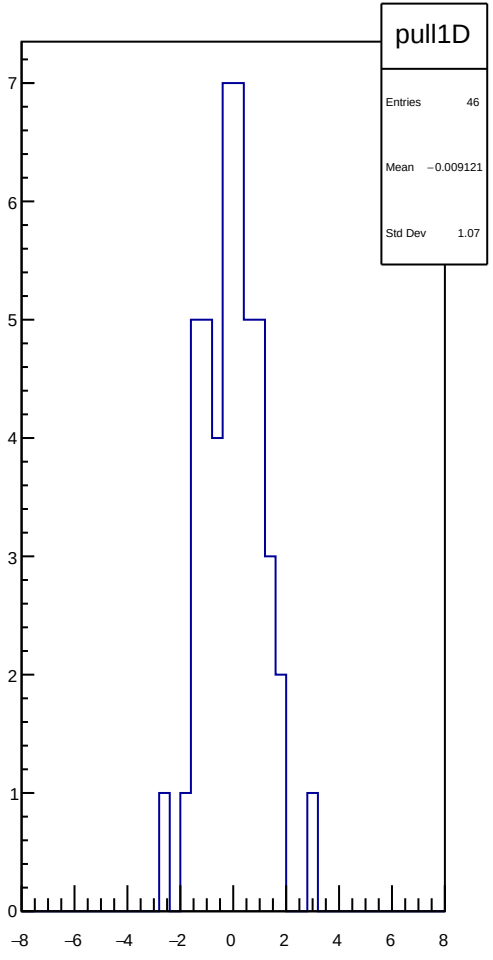

pull1D
Entries 46
Mean −0.02038
Std Dev 0.9497
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

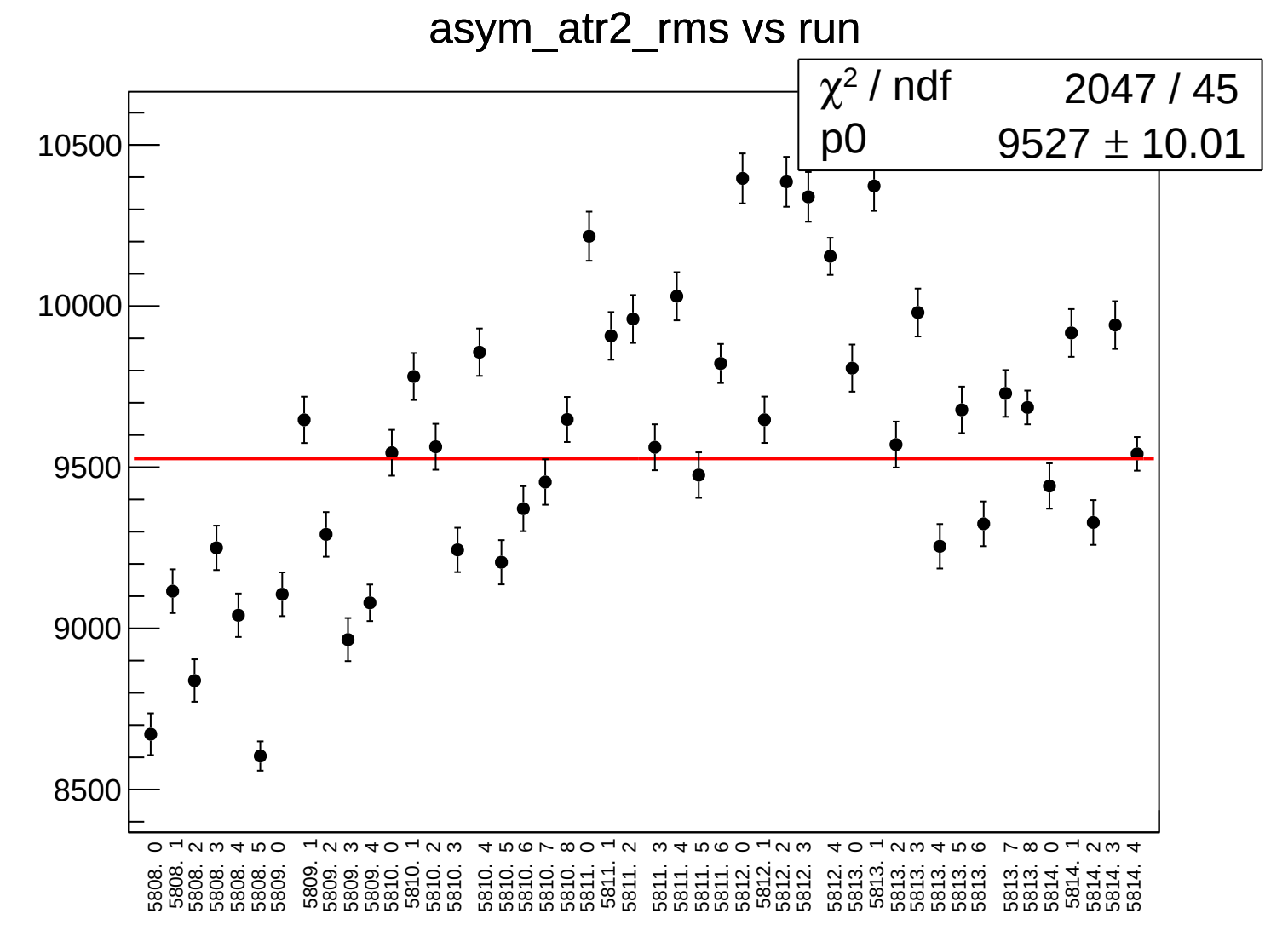

dit_asym_atr2_rms vs run
χ² / ndf 55.95 / 45
p0 2680 ± 2.813
2780
2760
2740
2720
2700
2680
2660
2640
2620
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

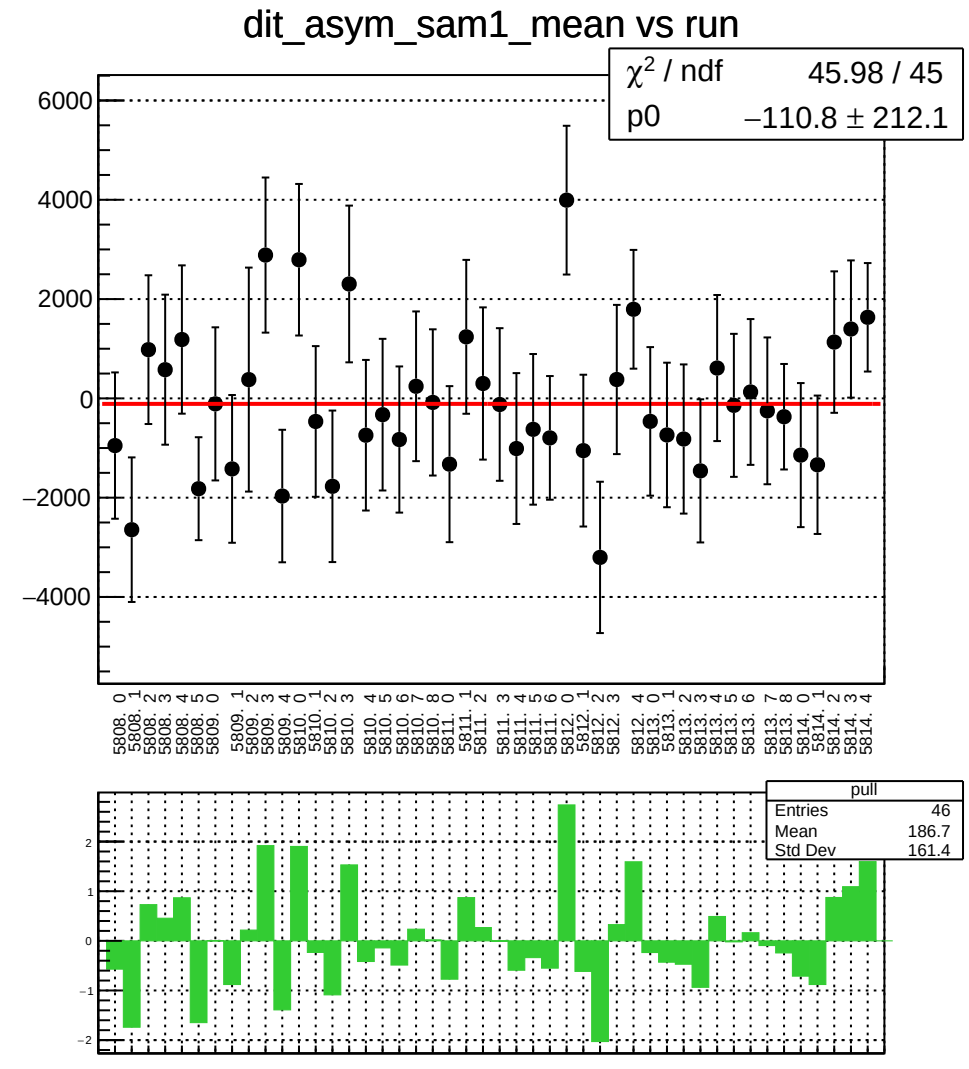

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 47.81 / 45
p0 3.607e+04 ± 1.361e+04
pull
Entries 46
Mean 204.4
Std Dev 186.1
pull1D
Entries 46
Mean 0.01054
Std Dev 1.019

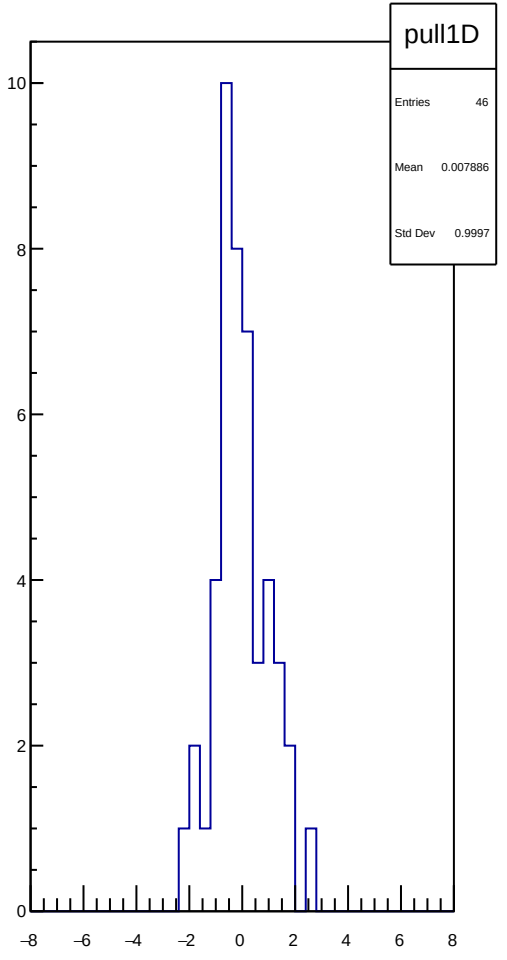

asym_atr2_correction_rms vs run
χ² / ndf 3630 / 45
p0 9146 ± 9.621
10500
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

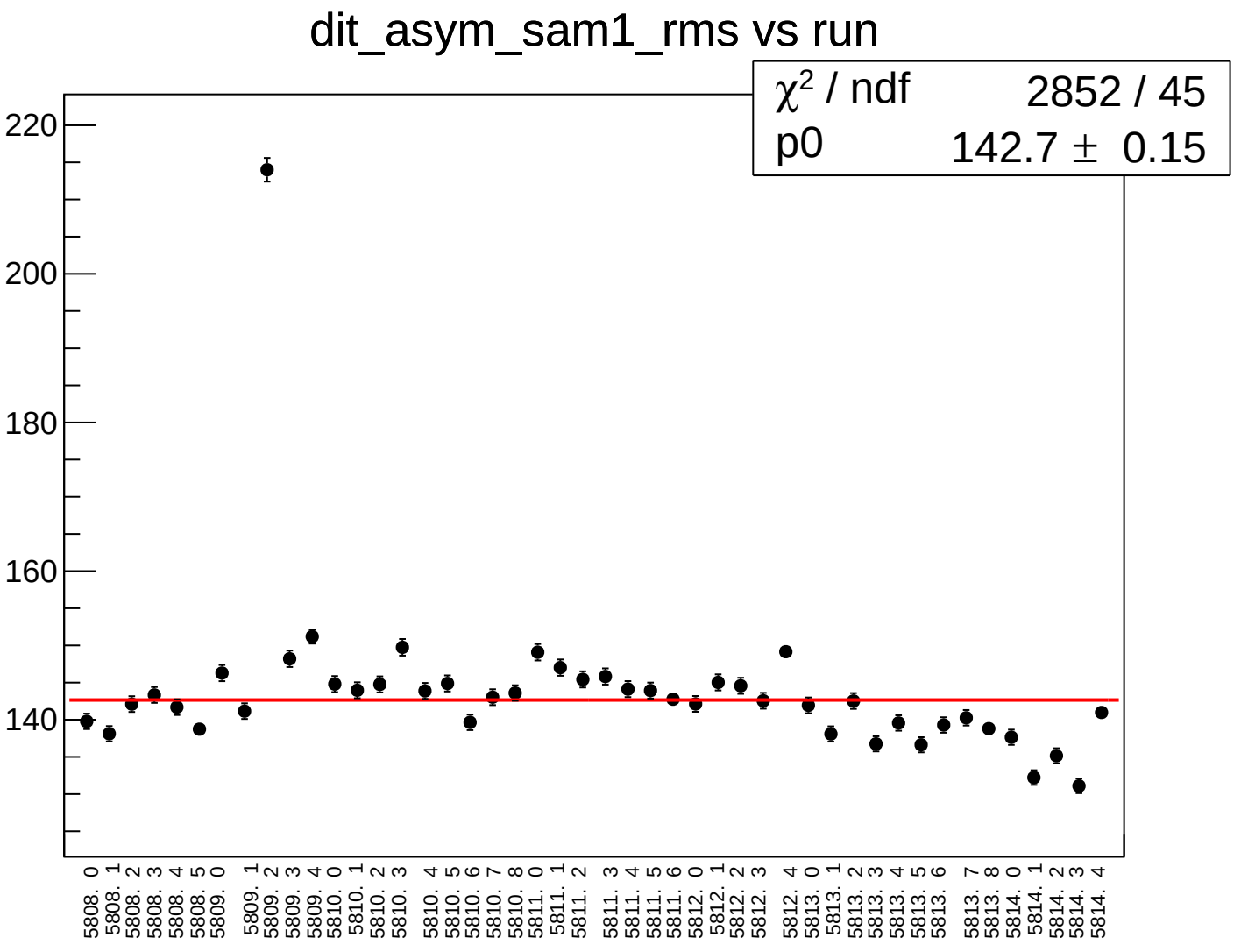

asym_atr2_mean vs run
×10^3
χ² / ndf 52.65 / 45
p0 −3.375e+04 ± 1.416e+04
pull
Entries 46
Mean 164.1
Std Dev 148.5

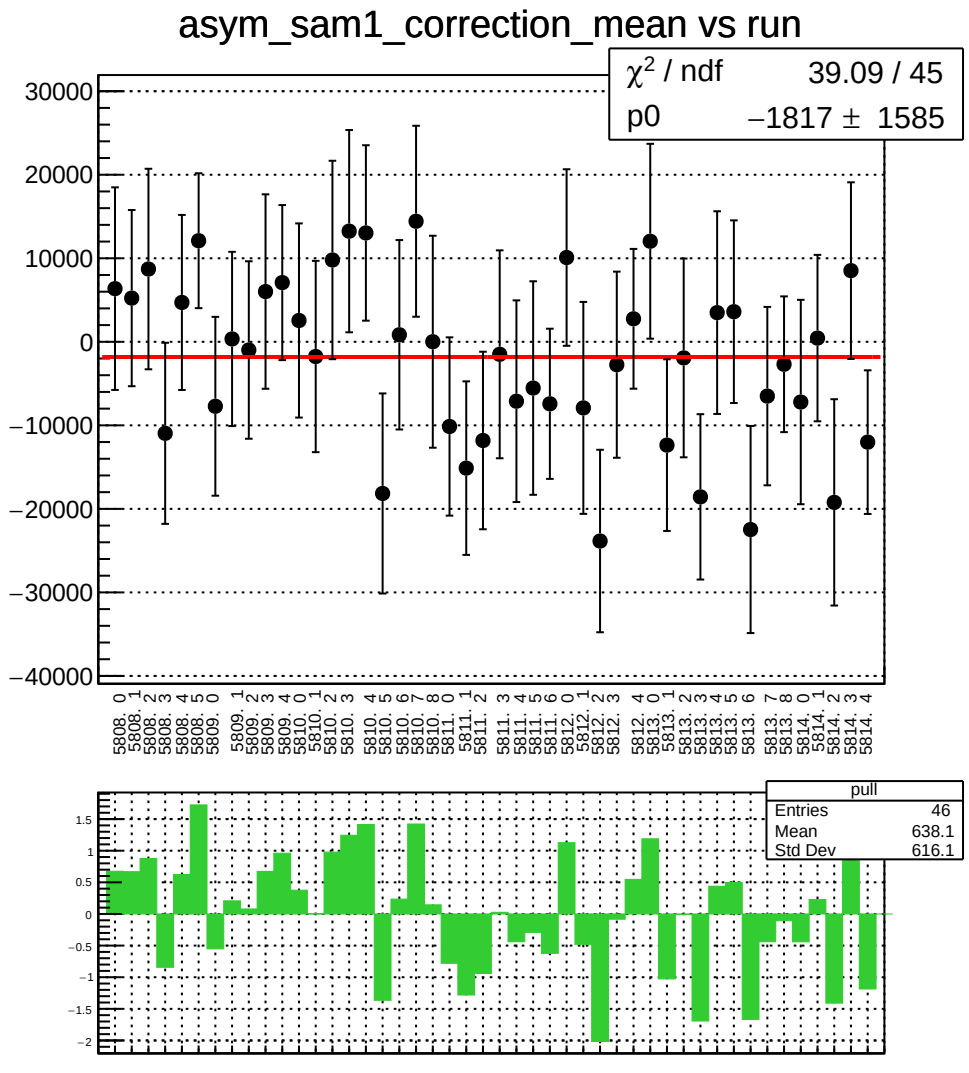

pull1D
Entries 46
Mean −0.009121
Std Dev 1.07

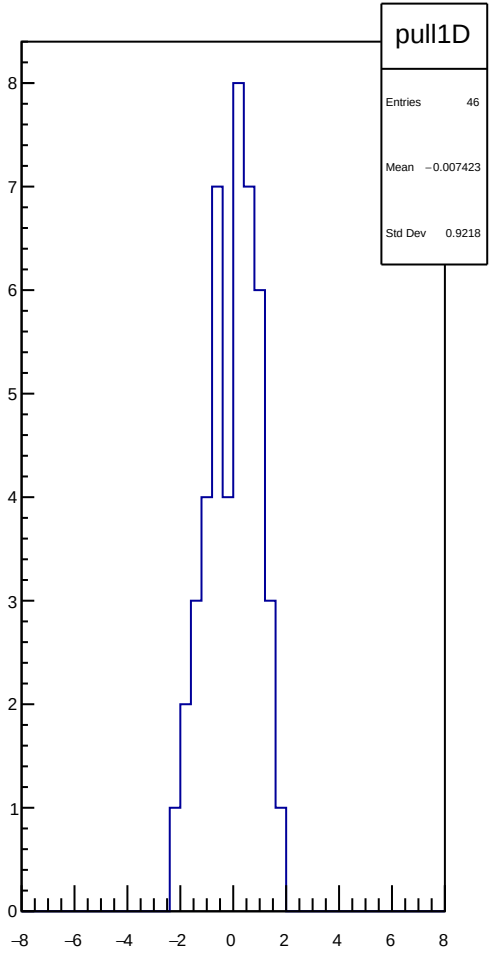

asym_atr2_rms vs run
χ² / ndf 2047 / 45
p0 9527 ± 10.01
10500
10000
9500
9000
8500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

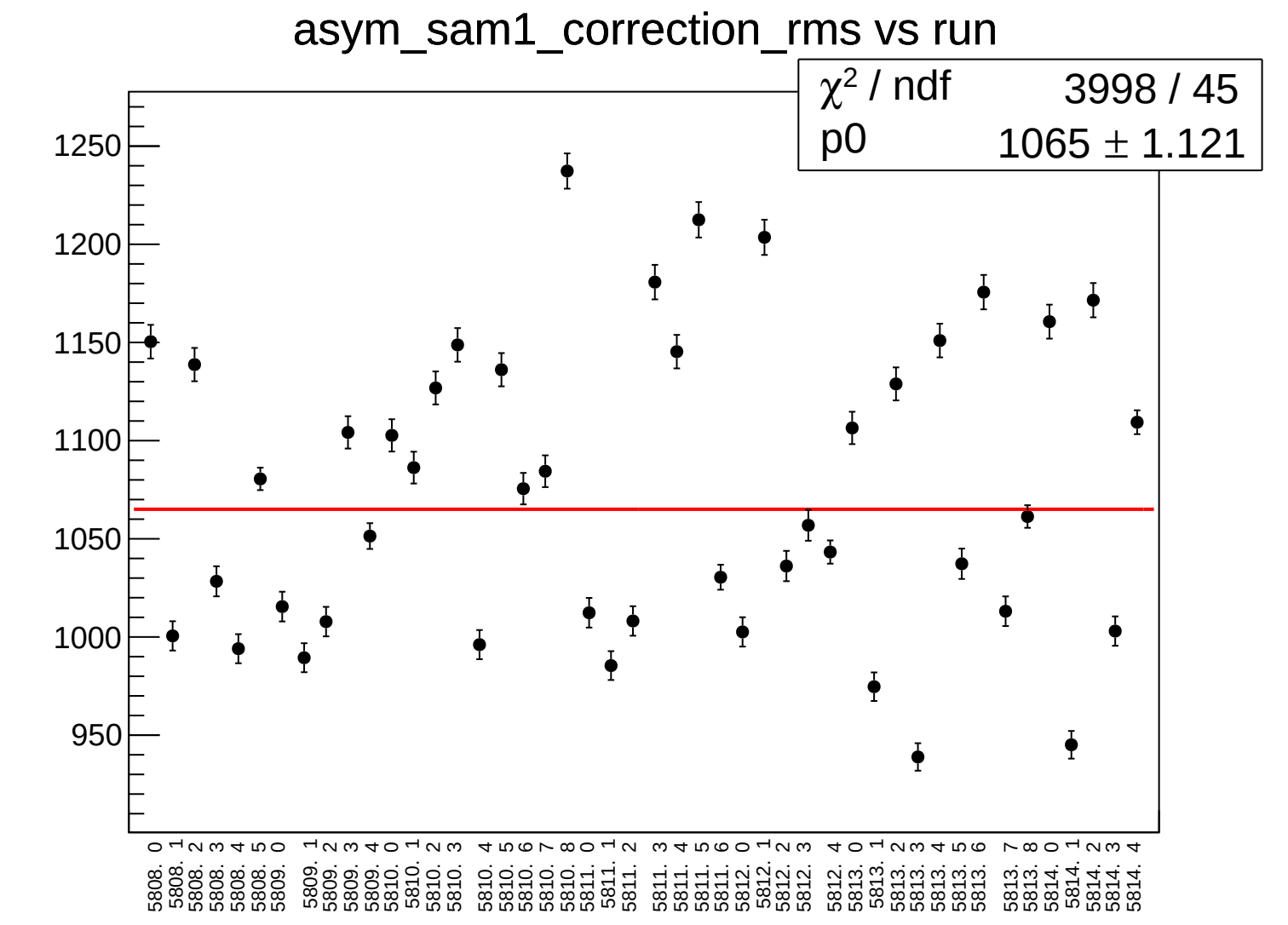

dit_asym_sam1_mean vs run
χ² / ndf 45.98 / 45
p0 −110.8 ± 212.1
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 186.7
Std Dev 161.4
2
1
0
−1
−2

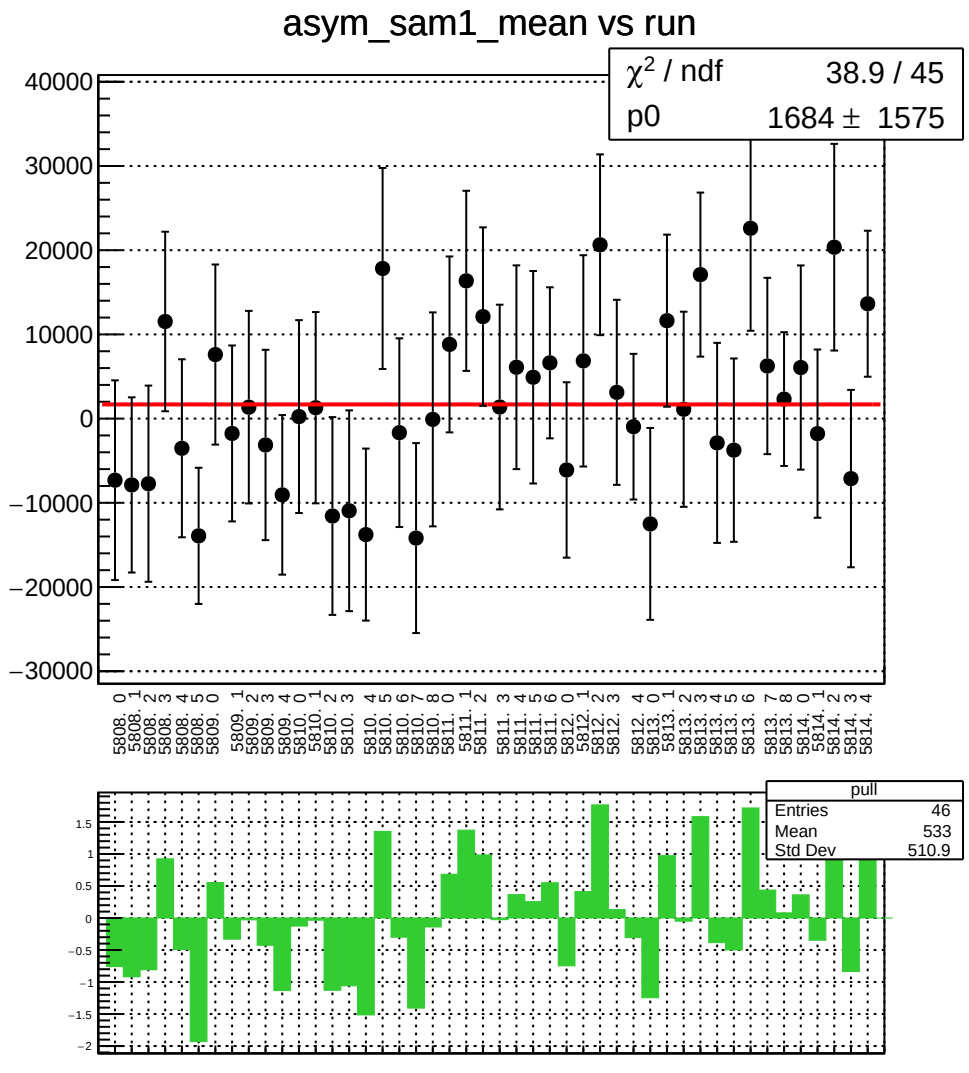

pull1D
Entries 46
Mean 0.007886
Std Dev 0.9997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

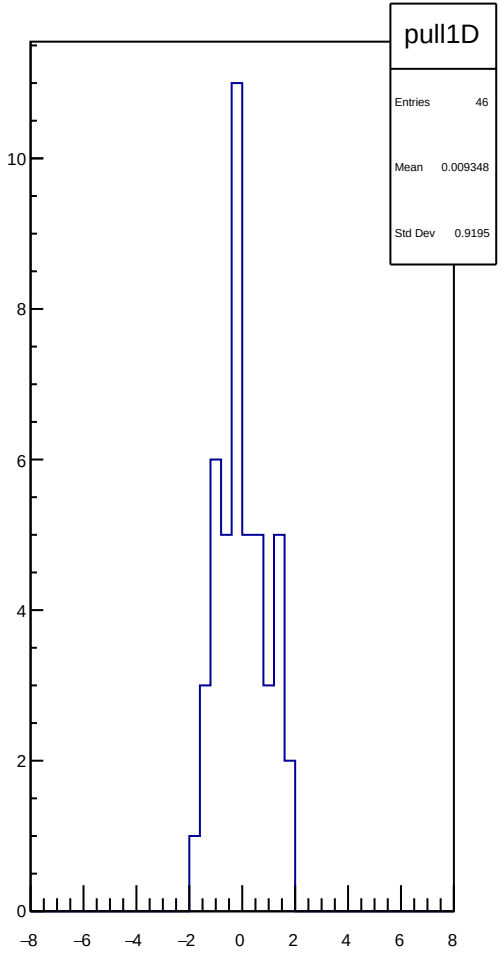

dit_asym_sam1_rms vs run
χ² / ndf 2852 / 45
p0 142.7 ± 0.15
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

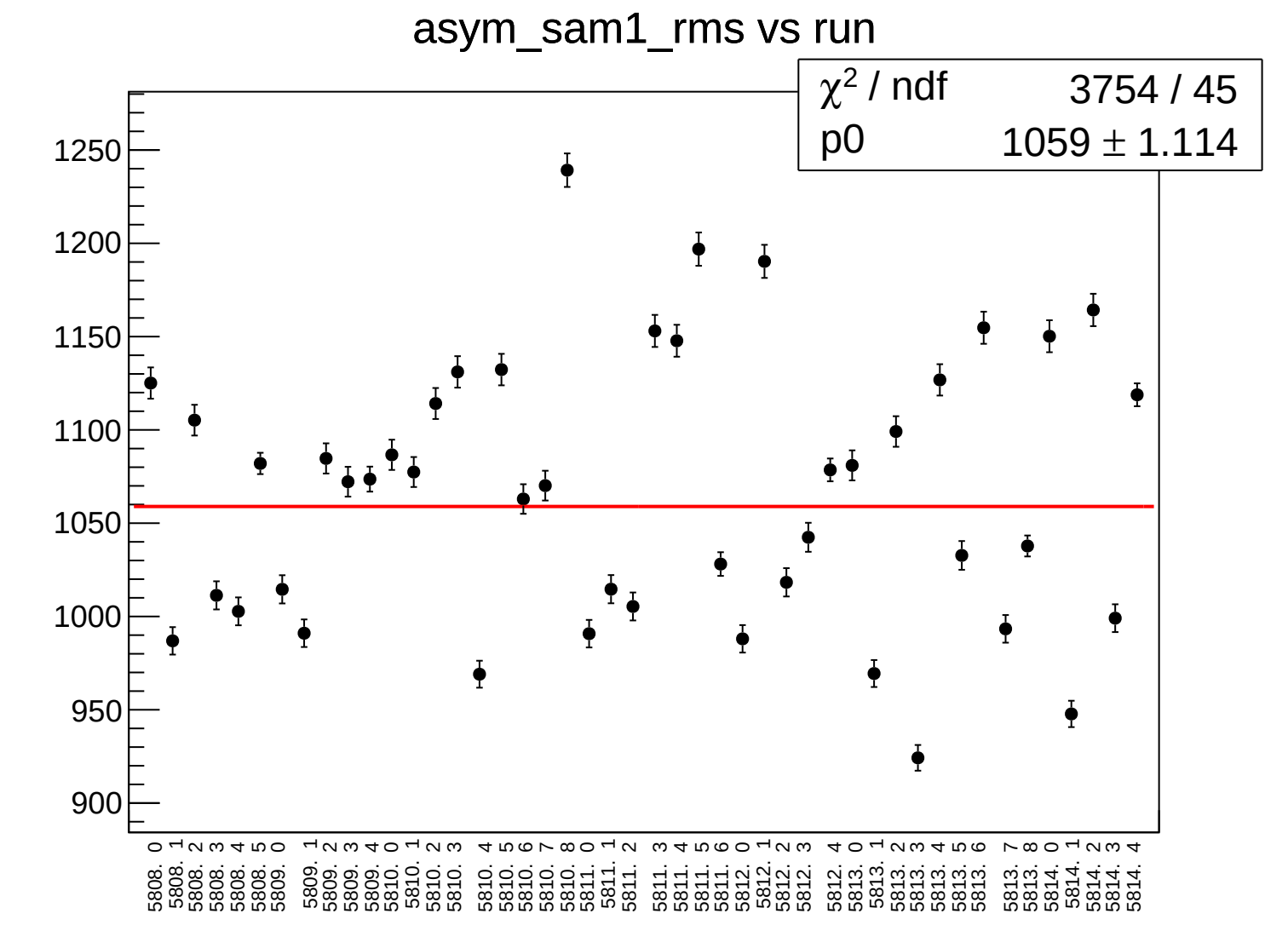

asym_sam1_correction_mean vs run
χ² / ndf 39.09 / 45
p0 −1817 ± 1585
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 638.1
Std Dev 616.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

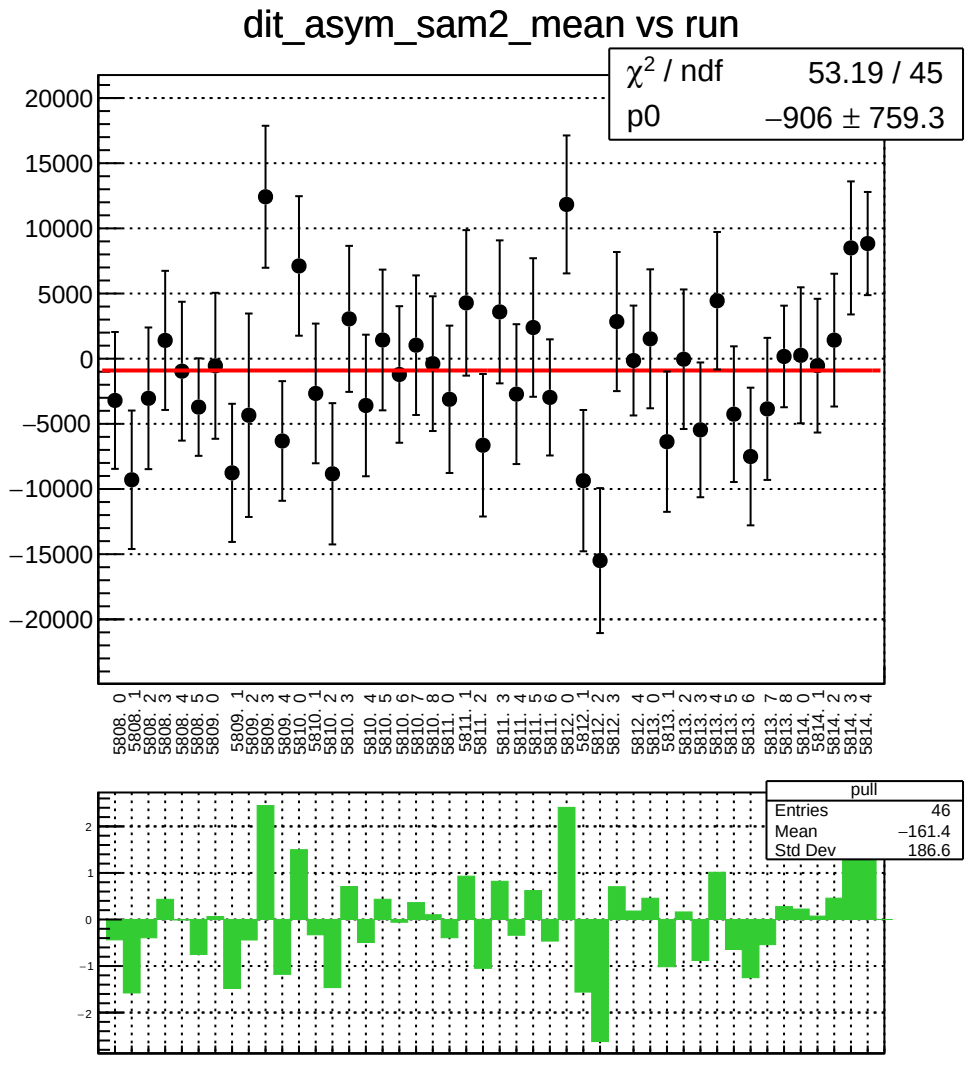

pull1D
Entries 46
Mean −0.007423
Std Dev 0.9218
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

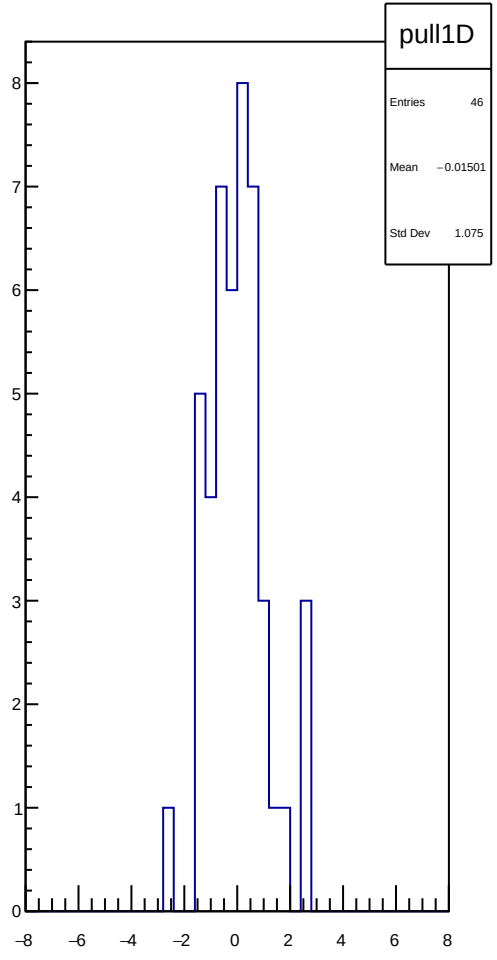

asym_sam1_correction_rms vs run
χ² / ndf 3998 / 45
p0 1065 ± 1.121
1250
1200
1150
1100
1050
1000
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

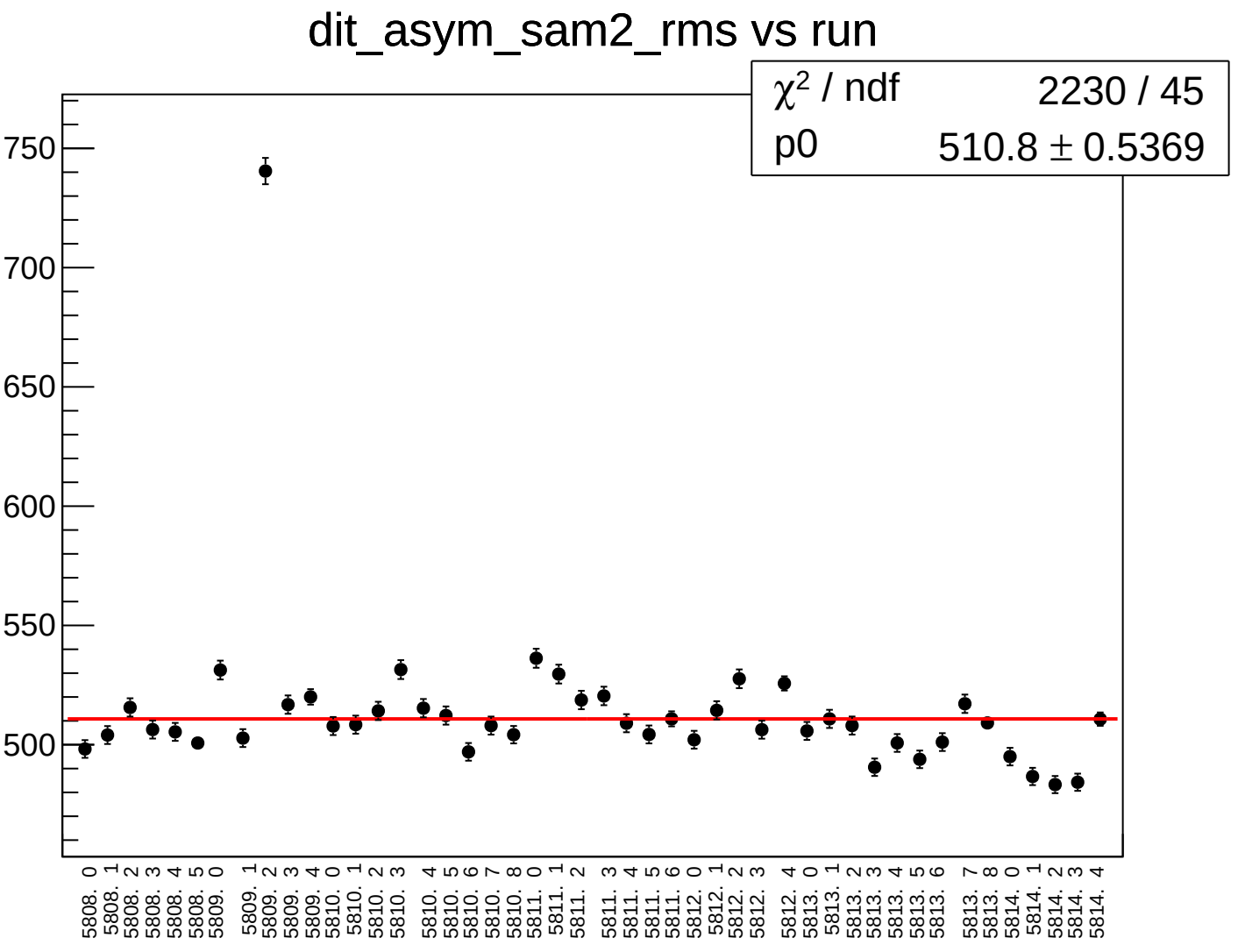

asym_sam1_mean vs run
χ^2 / ndf 38.9 / 45
p0 1684 ± 1575
pull
Entries 46
Mean 533
Std Dev 510.9

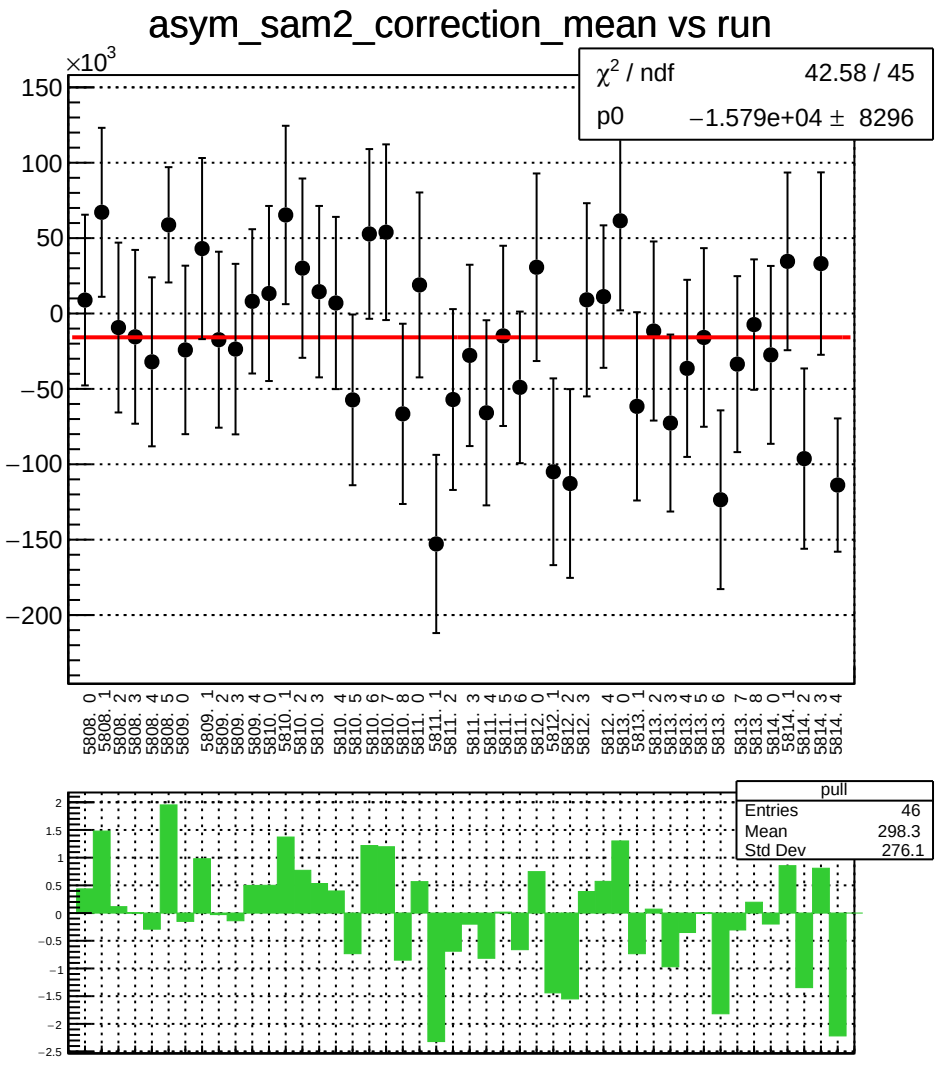

pull1D
Entries 46
Mean 0.009348
Std Dev 0.9195

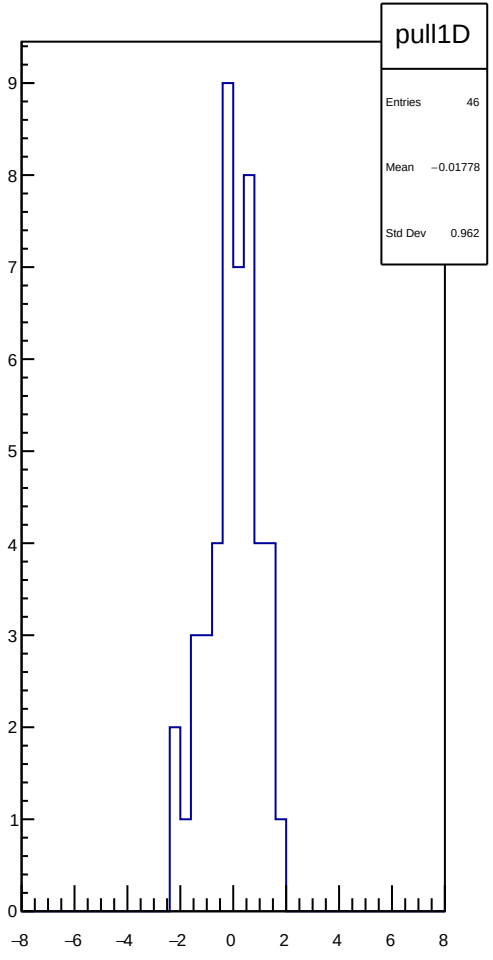

asym_sam1_rms vs run
χ² / ndf 3754 / 45
p0 1059 ± 1.114
1250
1200
1150
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

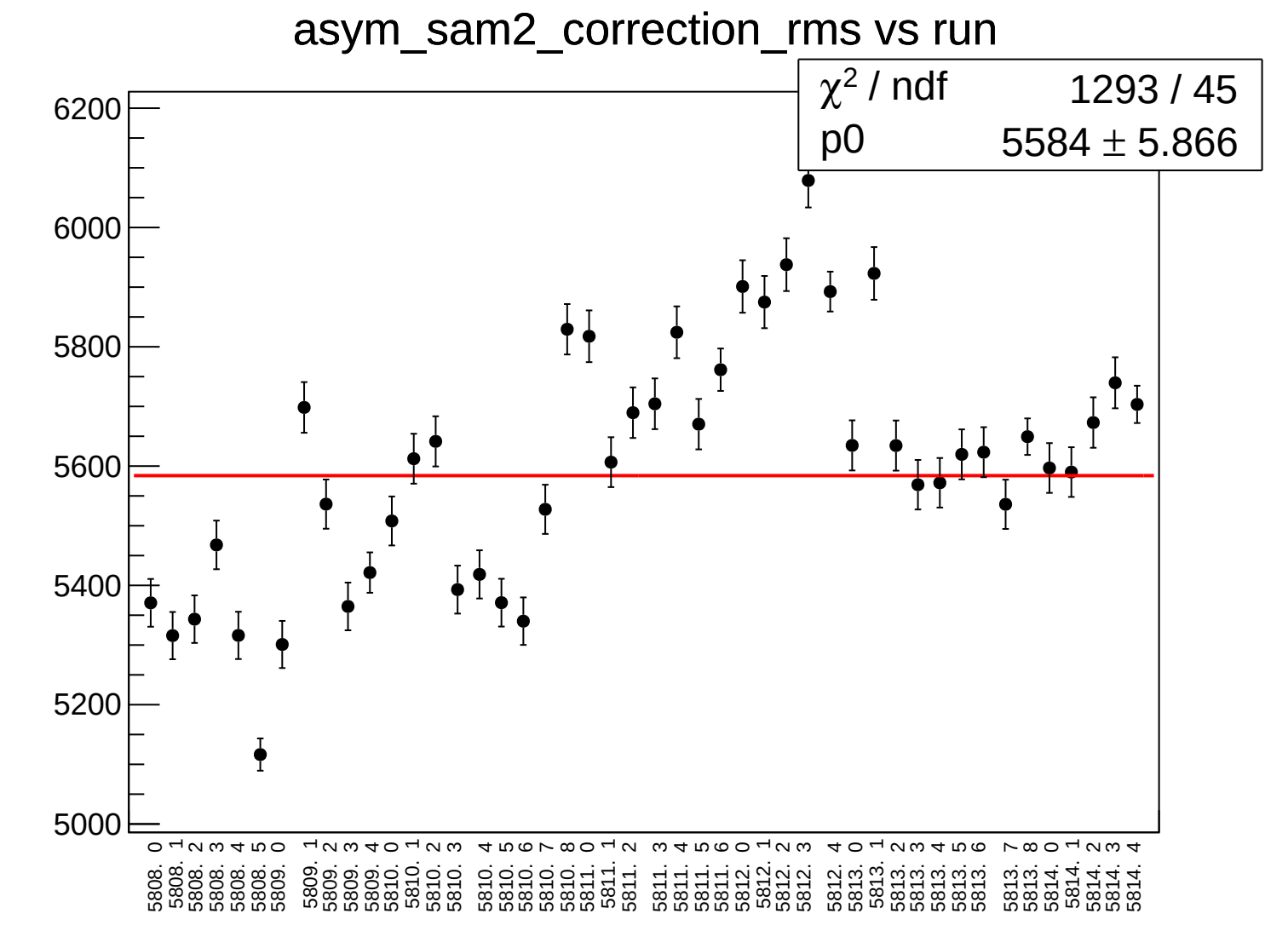

dit_asym_sam2_mean vs run
χ² / ndf 53.19 / 45
p0 −906 ± 759.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −161.4
Std Dev 186.6
2
1
0
−1
−2

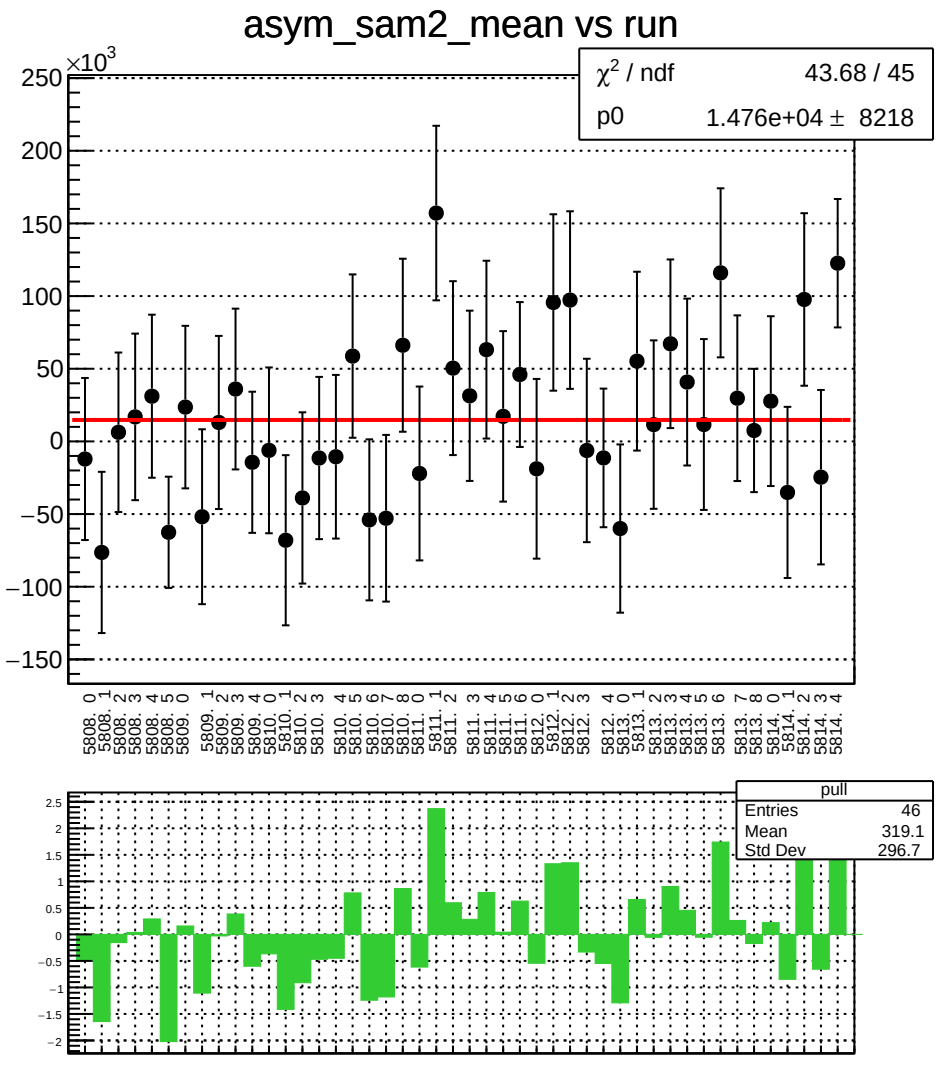

pull1D
Entries 46
Mean −0.01501
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

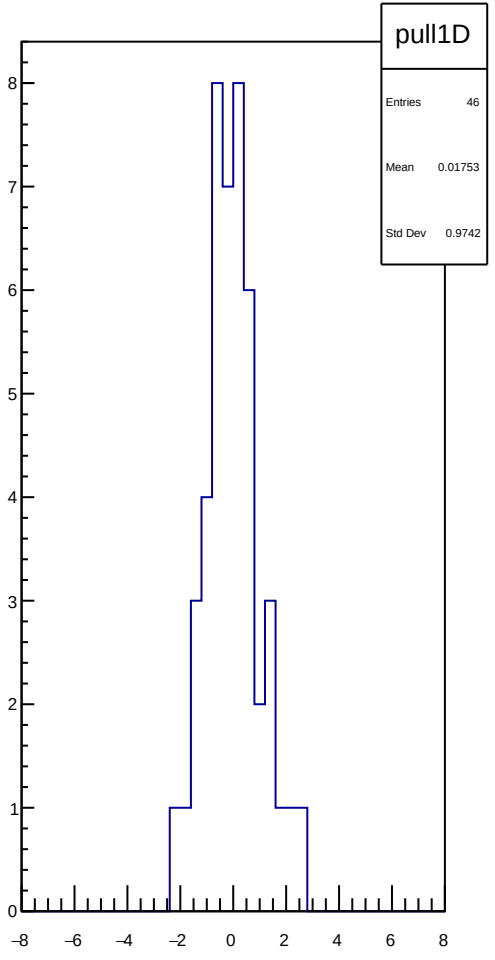

dit_asym_sam2_rms vs run
χ² / ndf 2230 / 45
p0 510.8 ± 0.5369
750
700
650
600
550
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

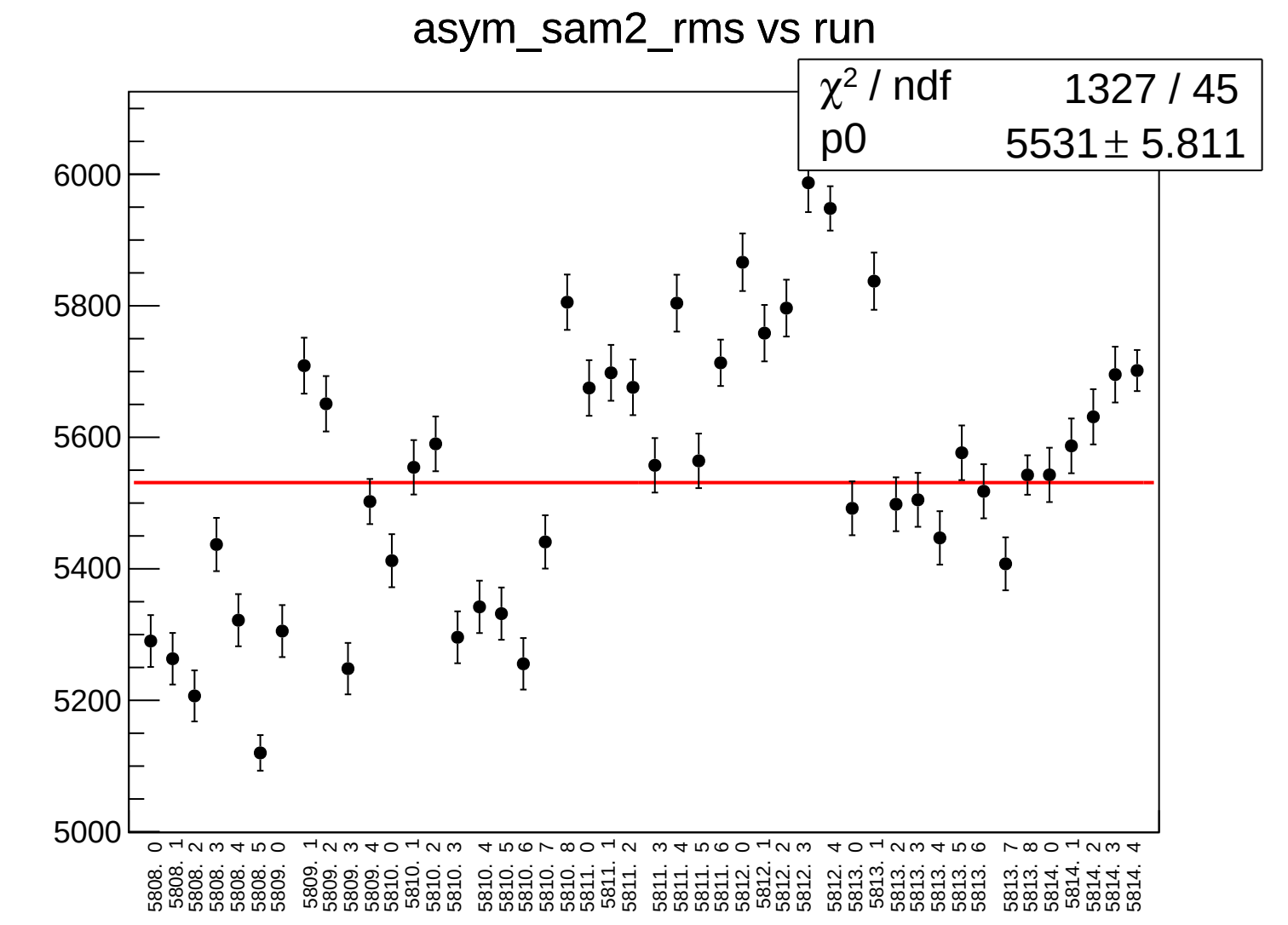

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 42.58 / 45
p0 −1.579e+04 ± 8296
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 298.3
Std Dev 276.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

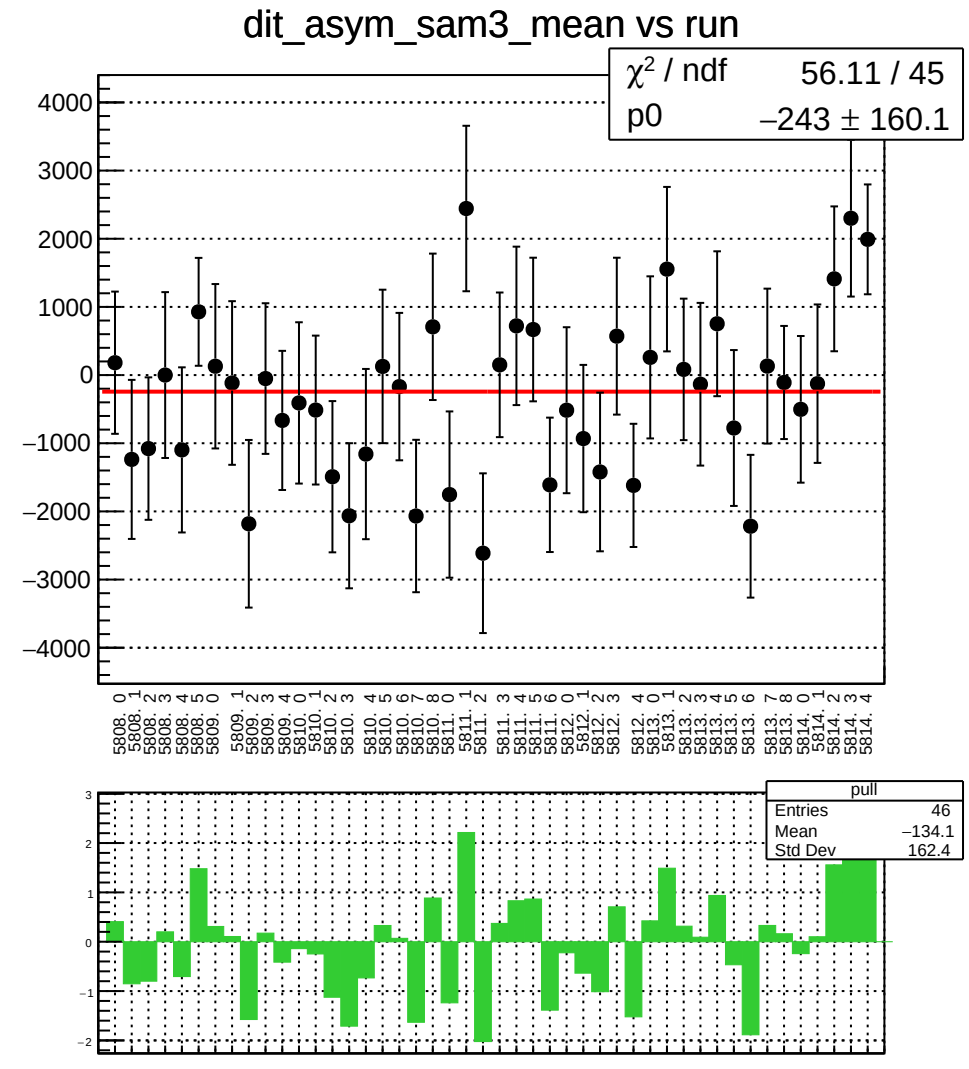

pull1D
Entries 46
Mean −0.01778
Std Dev 0.962
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

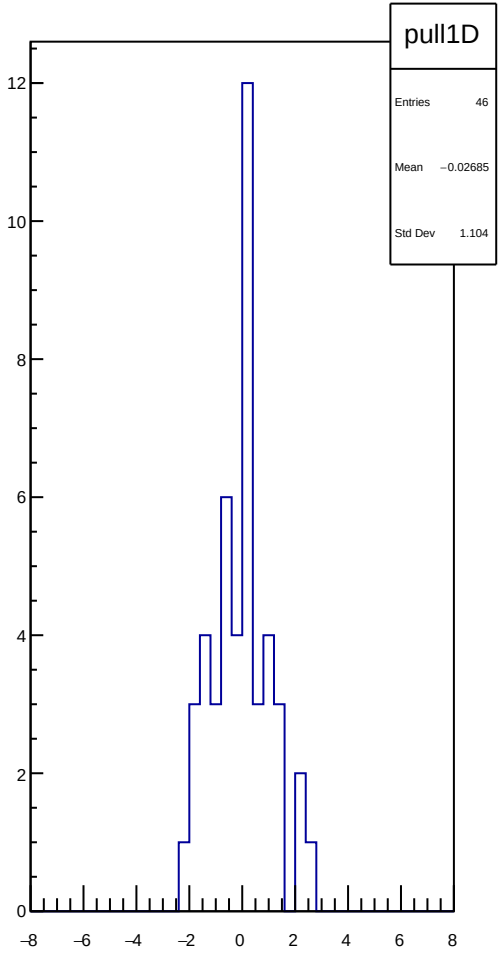

asym_sam2_correction_rms vs run
χ² / ndf 1293 / 45
p0 5584 ± 5.866
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

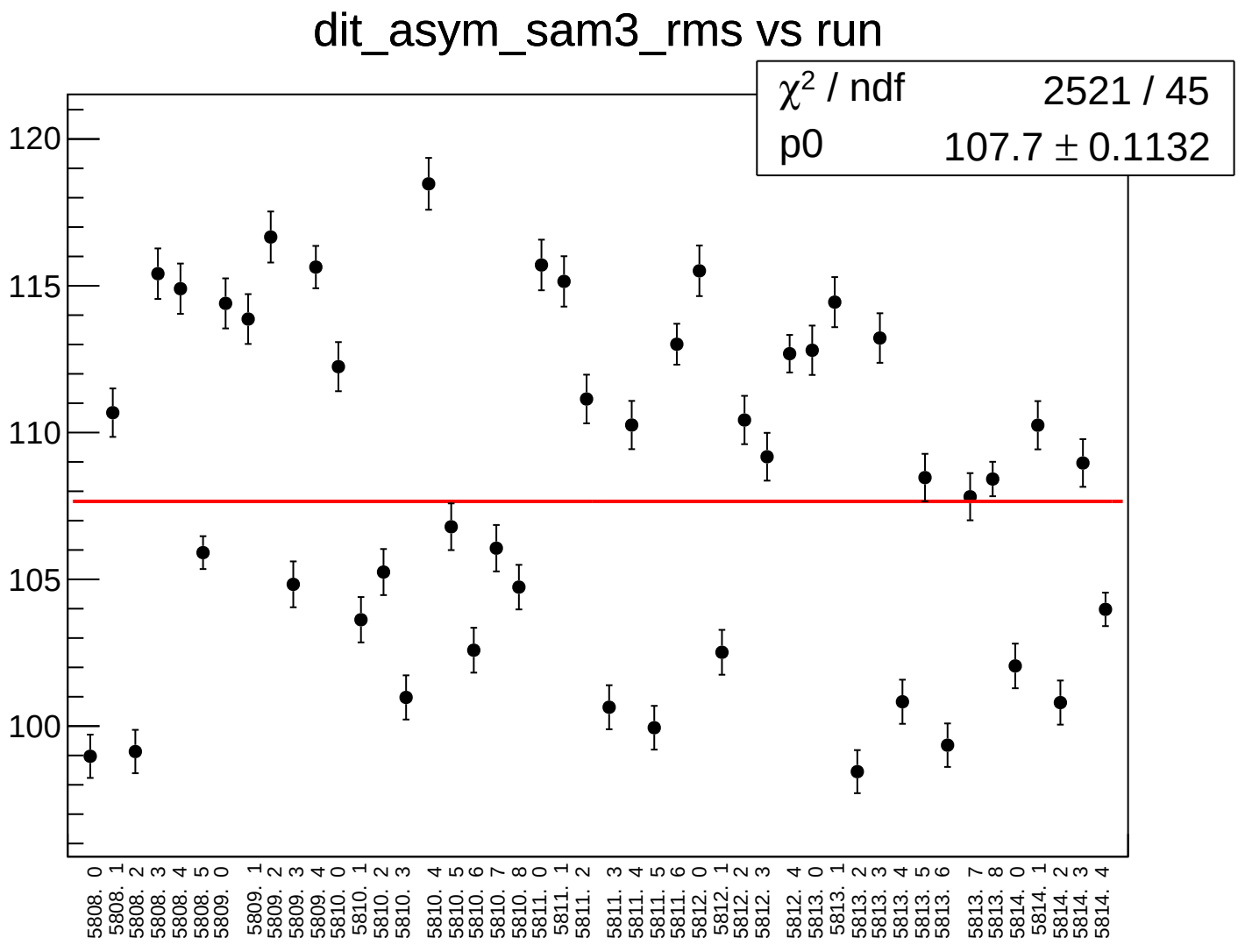

asym_sam2_mean vs run
×10^3
χ² / ndf 43.68 / 45
p0 1.476e+04 ± 8218
250
200
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 319.1
Std Dev 296.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

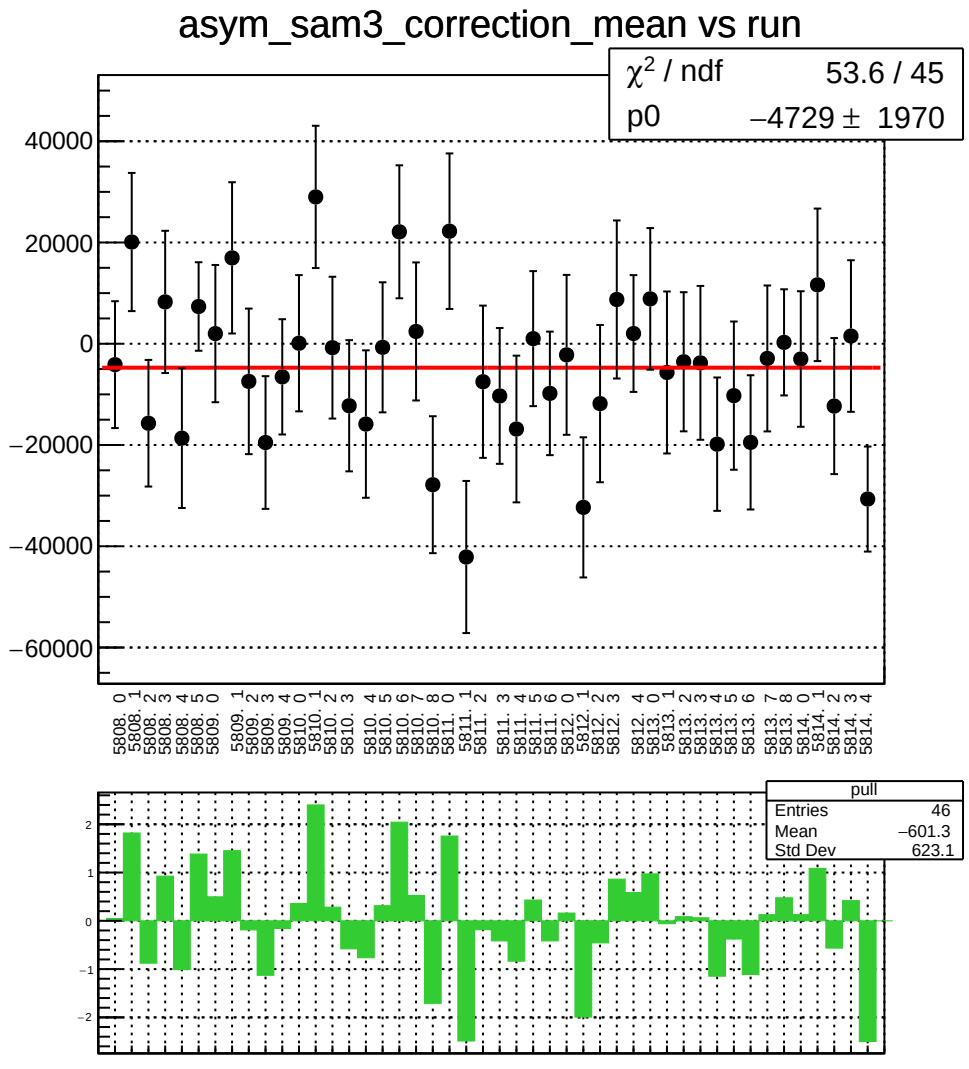

pull1D
Entries 46
Mean 0.01753
Std Dev 0.9742
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

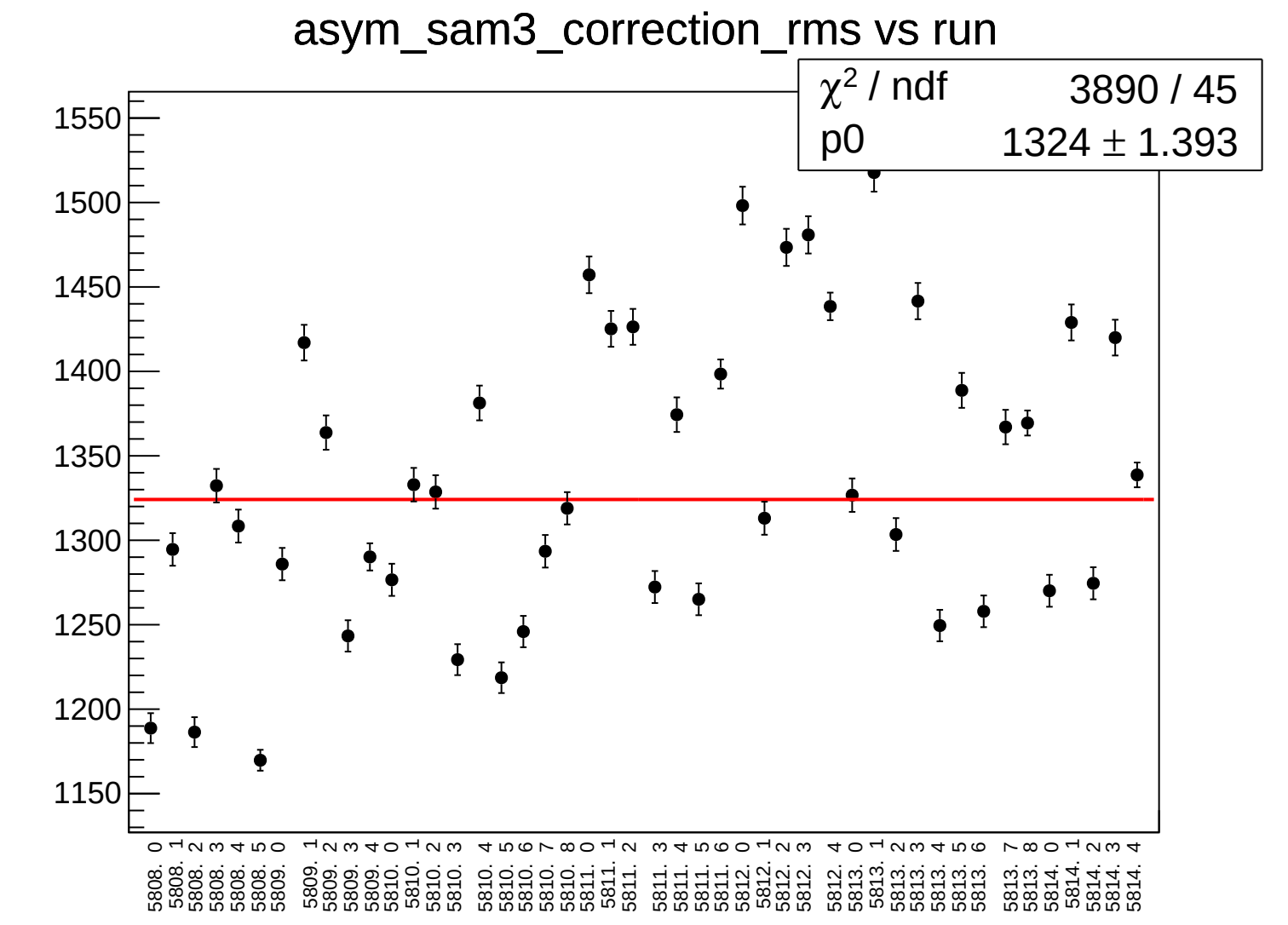

asym_sam2_rms vs run
χ² / ndf 1327 / 45
p0 5531 ± 5.811
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

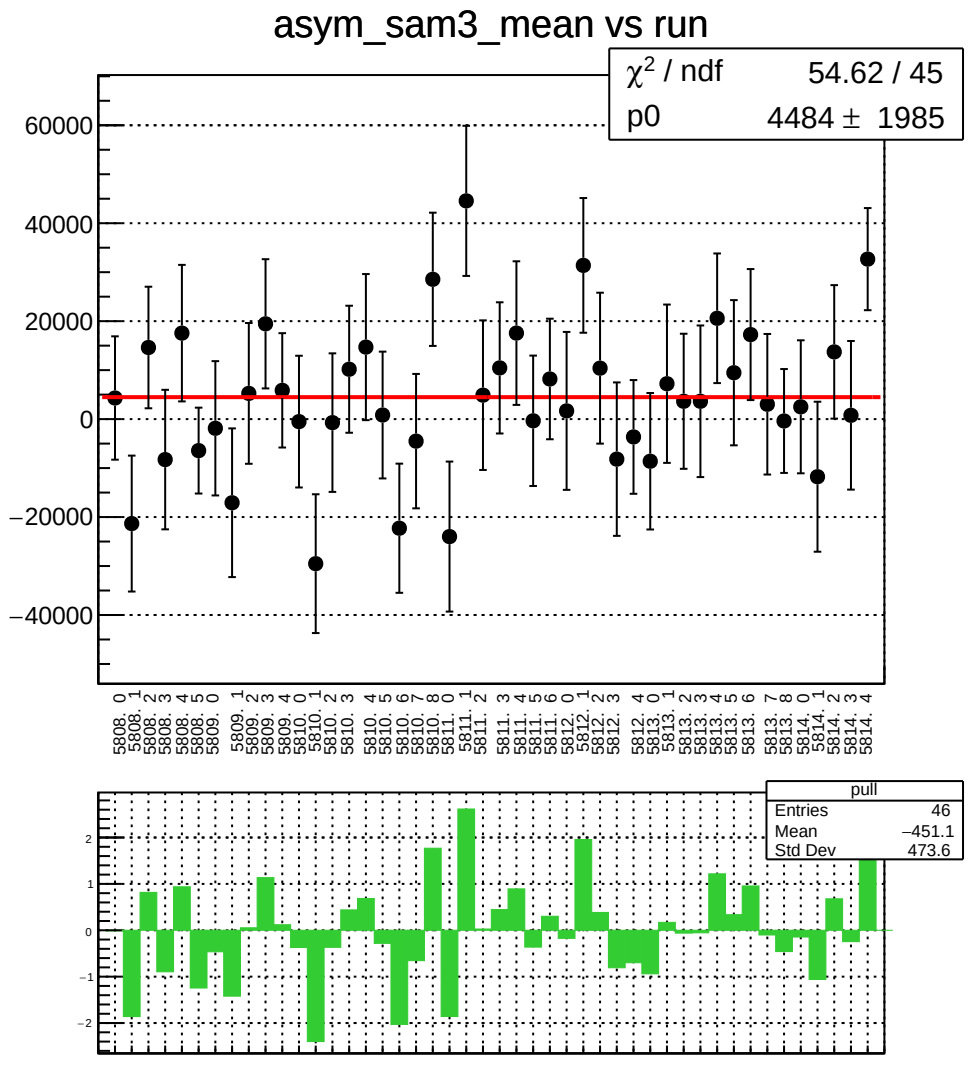

dit_asym_sam3_mean vs run
χ² / ndf 56.11 / 45
p0 −243 ± 160.1
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −134.1
Std Dev 162.4
3
2
1
0
−1
−2

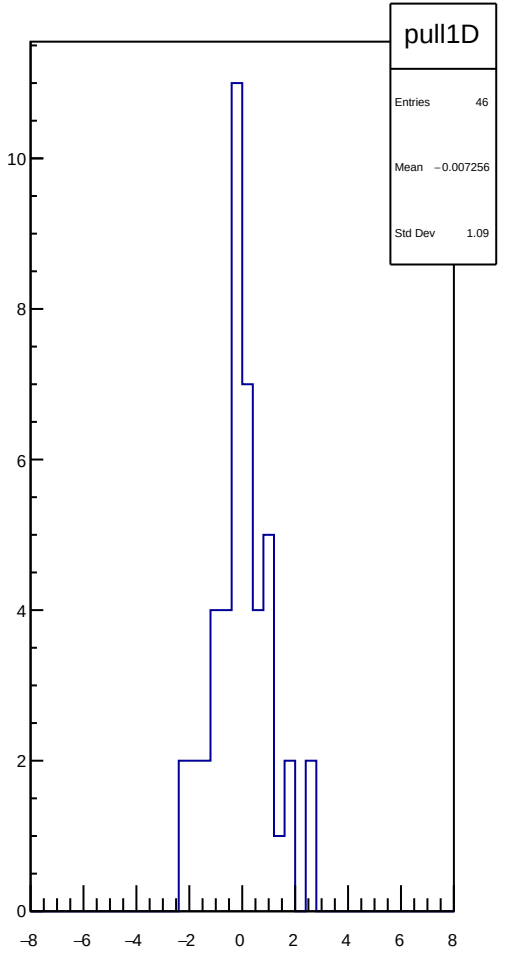

pull1D
Entries 46
Mean −0.02685
Std Dev 1.104
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

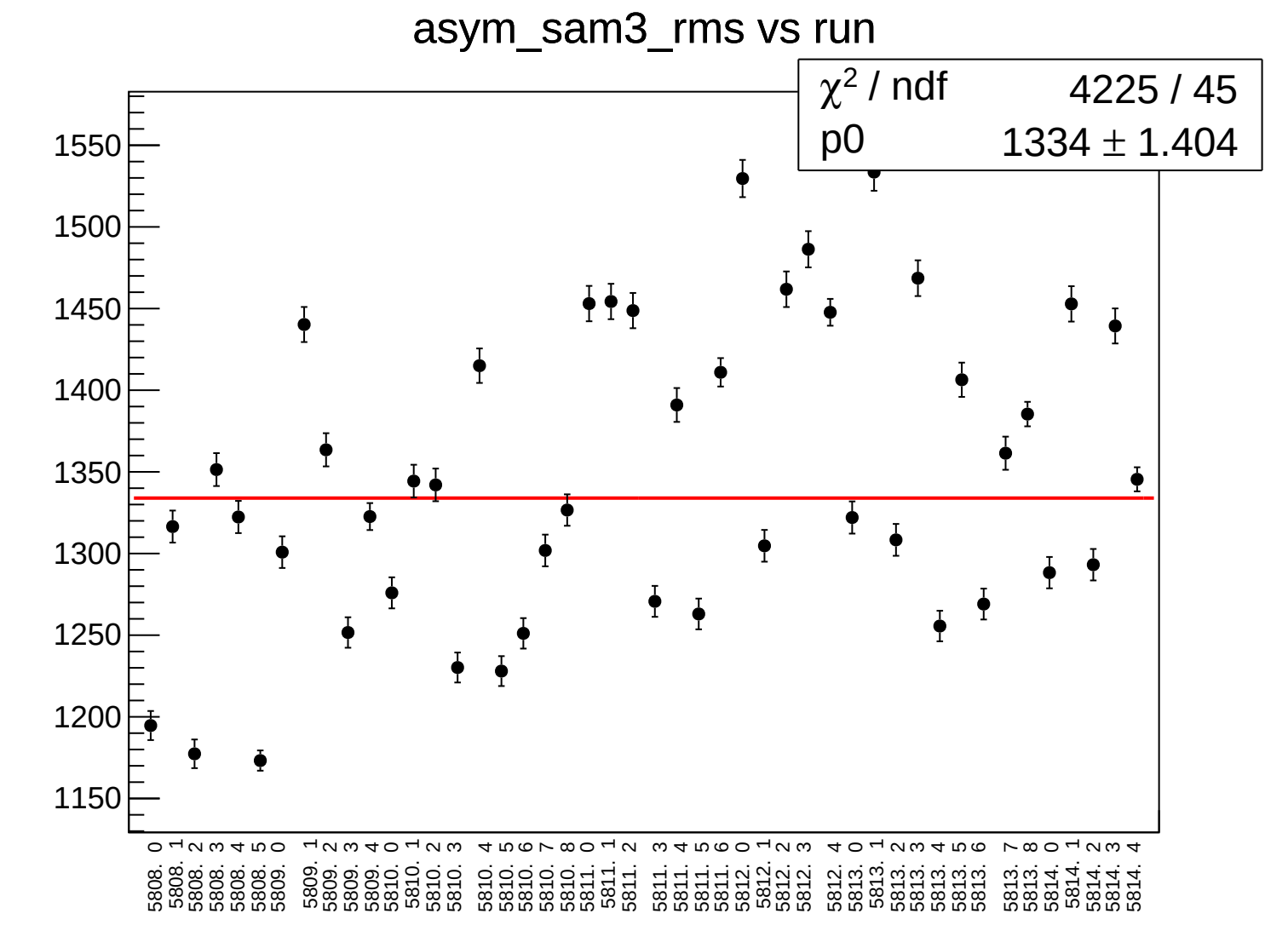

dit_asym_sam3_rms vs run
χ² / ndf 2521 / 45
p0 107.7 ± 0.1132
120
115
110
105
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

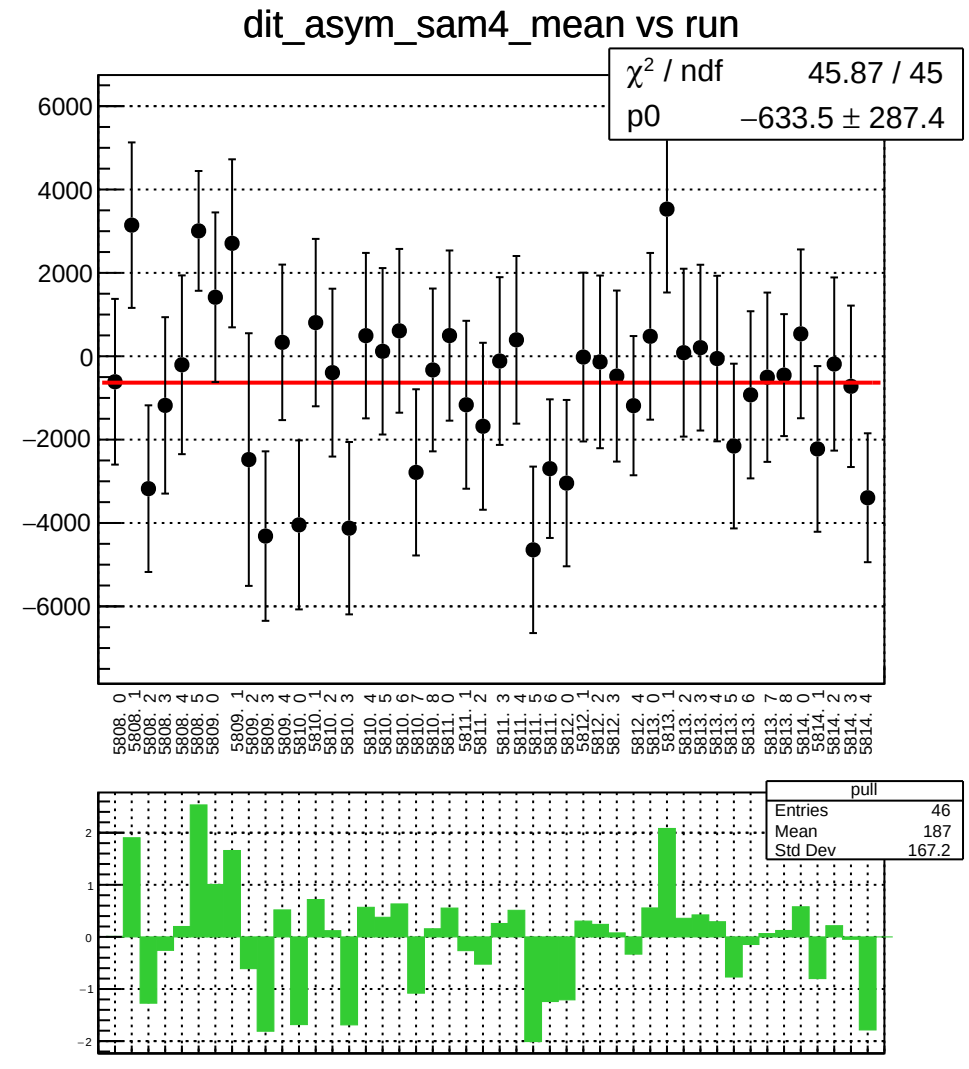

asym_sam3_correction_mean vs run
χ² / ndf 53.6 / 45
p0 −4729 ± 1970
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −601.3
Std Dev 623.1
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.005028
Std Dev 1.079
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

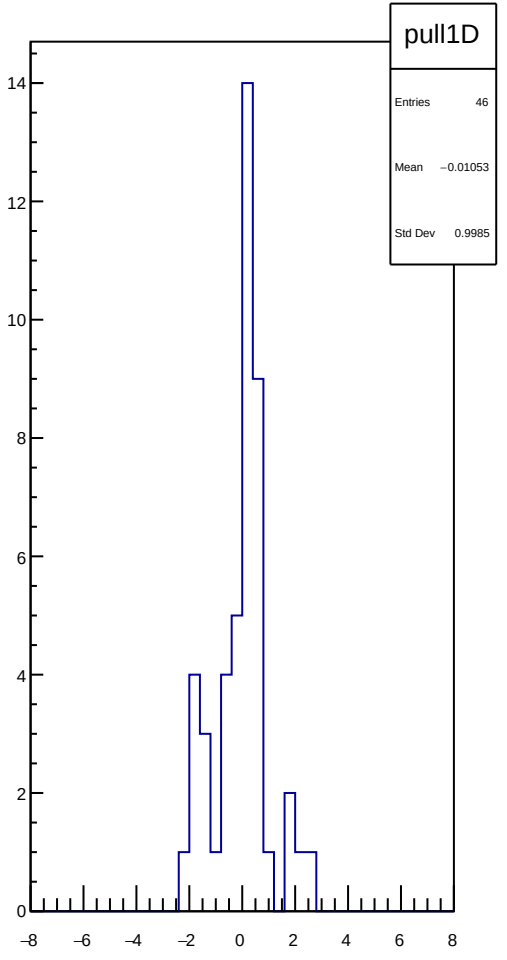

asym_sam3_correction_rms vs run
χ² / ndf 3890 / 45
p0 1324 ± 1.393
1550
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

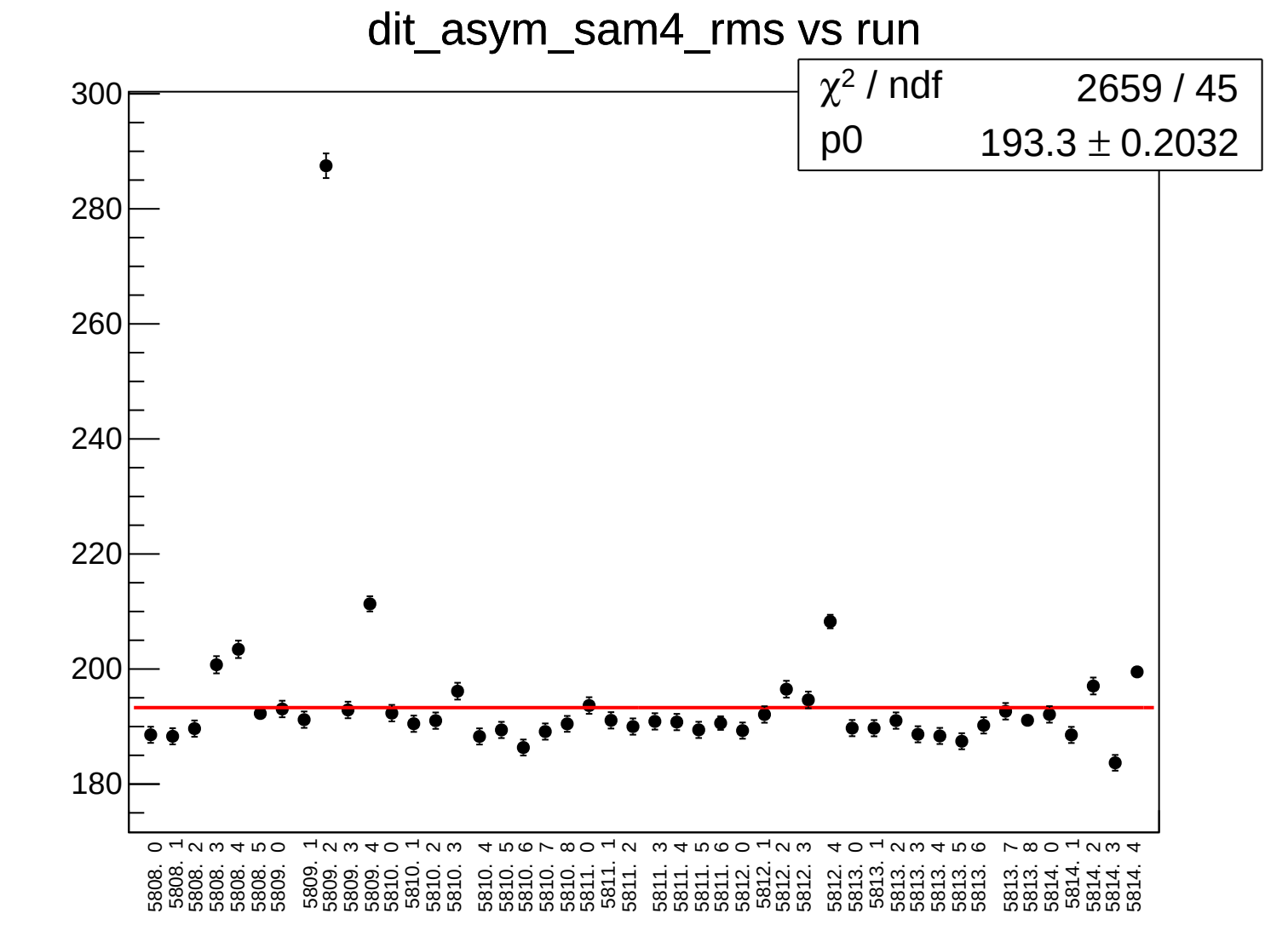

asym_sam3_mean vs run
χ² / ndf 54.62 / 45
p0 4484 ± 1985
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −451.1
Std Dev 473.6
2
1
0
−1
−2

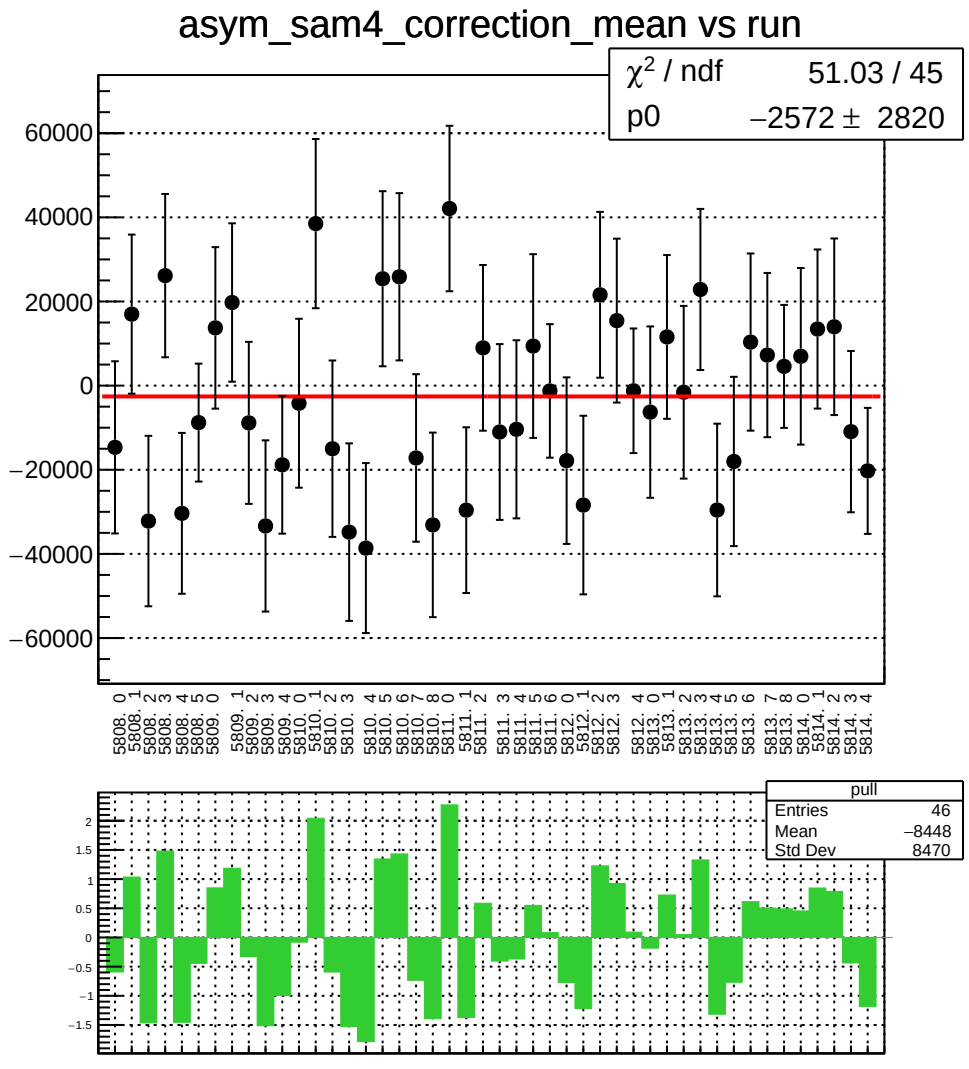

pull1D
Entries 46
Mean −0.007256
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

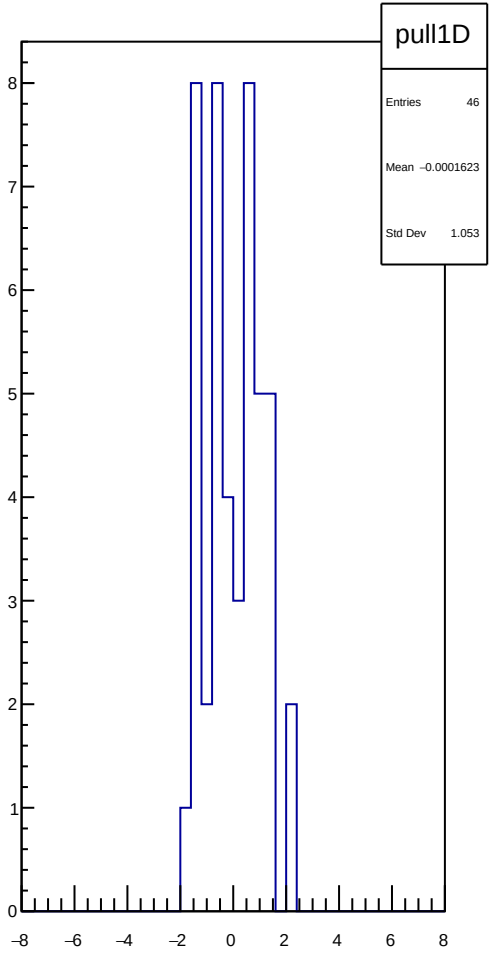

asym_sam3_rms vs run
χ² / ndf 4225 / 45
p0 1334 ± 1.404
1550
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

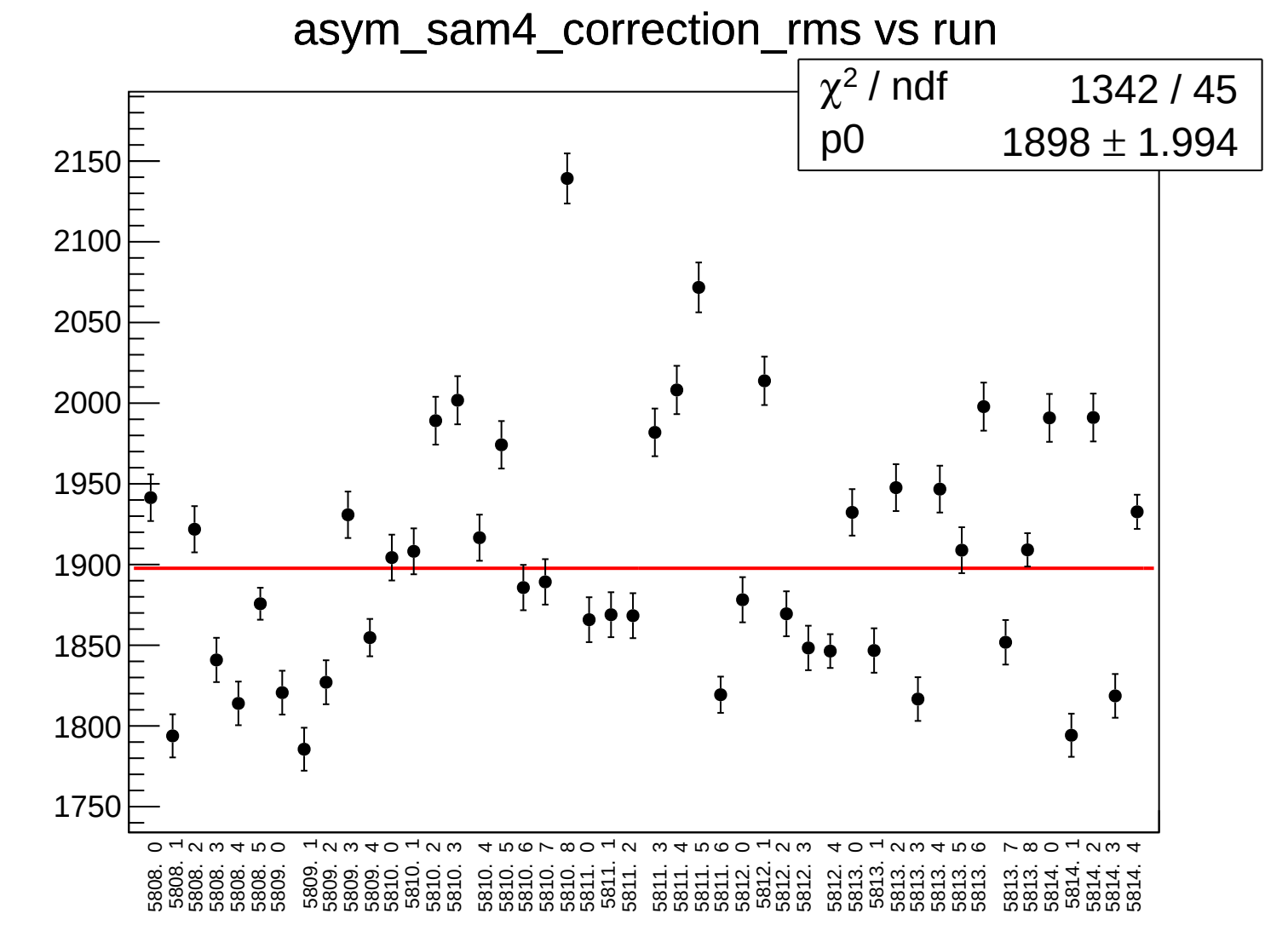

dit_asym_sam4_mean vs run
χ² / ndf 45.87 / 45
p0 −633.5 ± 287.4
6000
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 187
Std Dev 167.2
2
1
0
−1
−2

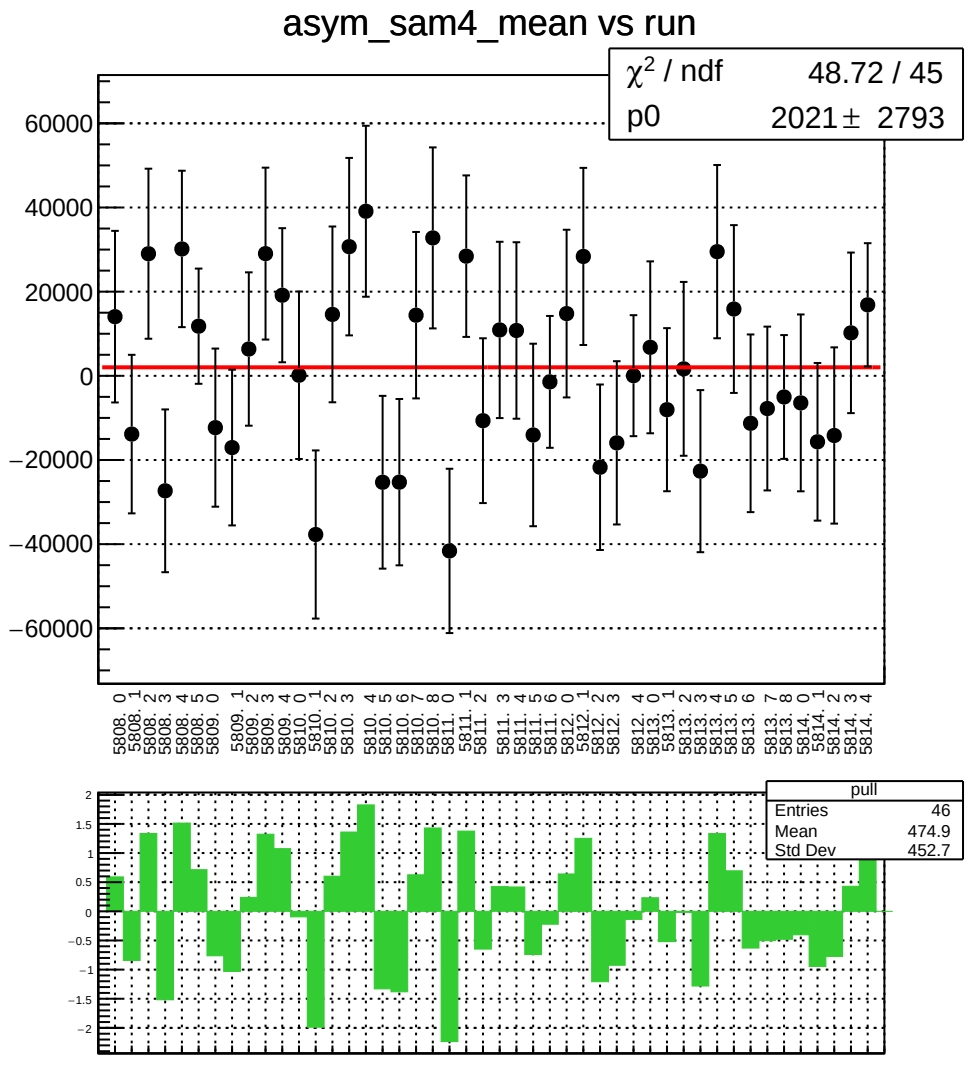

pull1D
Entries 46
Mean −0.01053
Std Dev 0.9985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

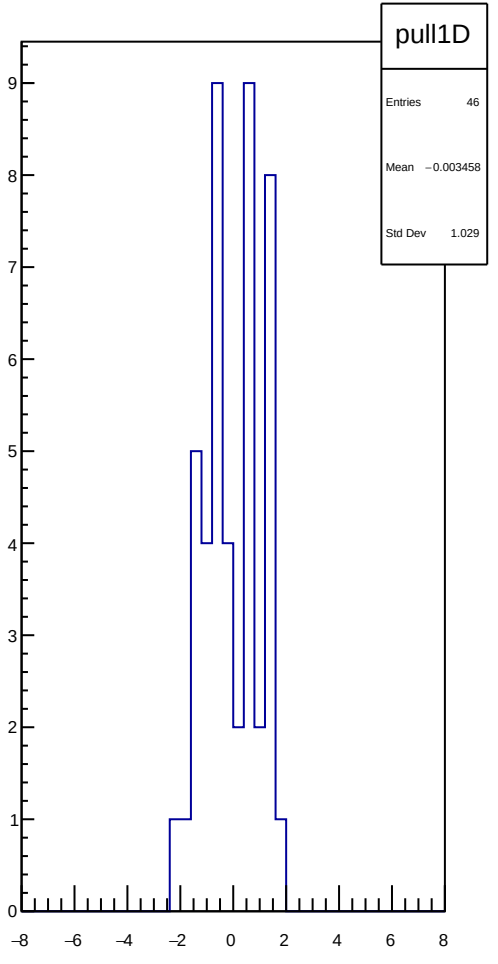

dit_asym_sam4_rms vs run
χ² / ndf 2659 / 45
p0 193.3 ± 0.2032
300
280
260
240
220
200
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

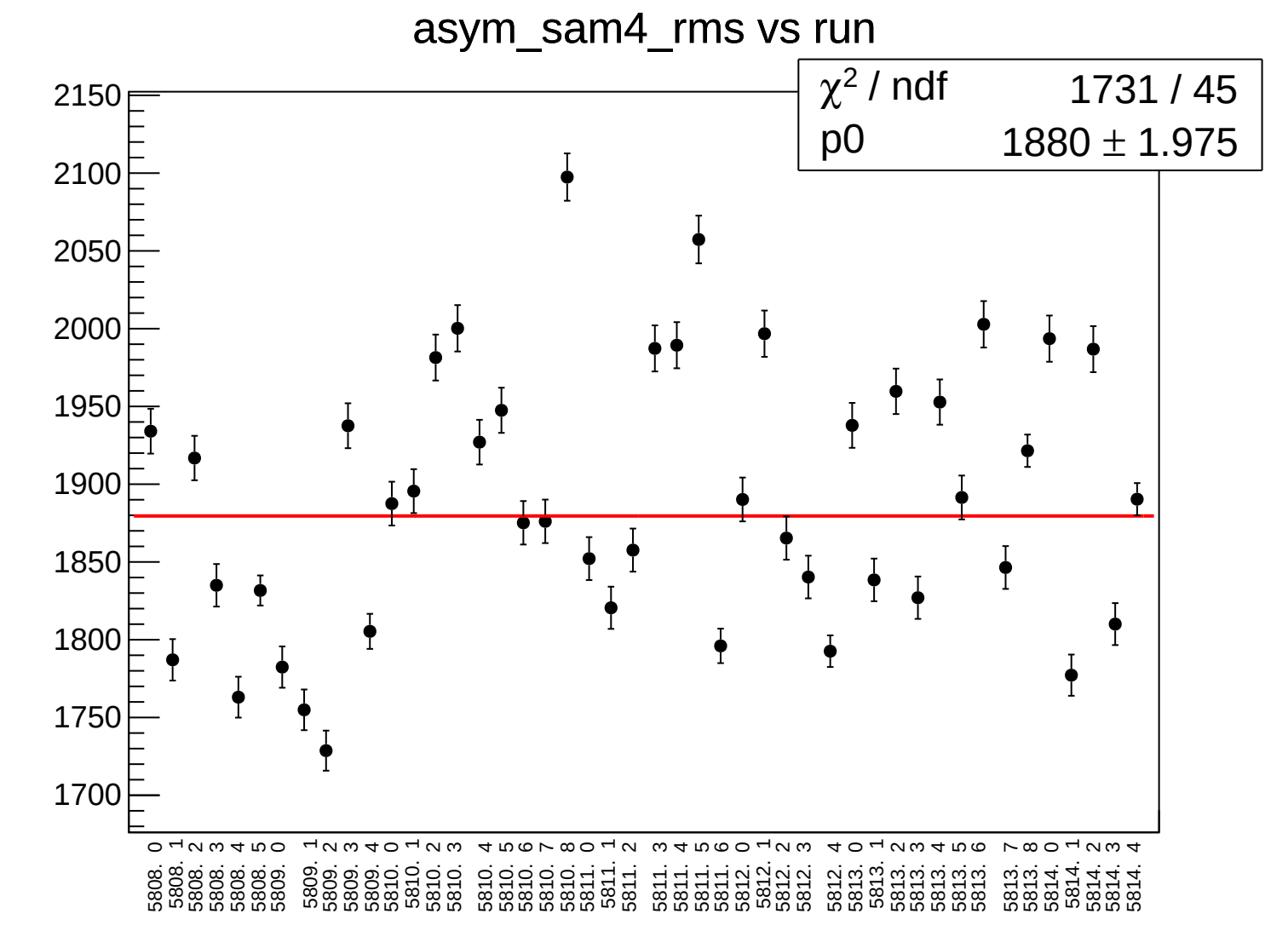

asym_sam4_correction_mean vs run
χ² / ndf 51.03 / 45
p0 −2572 ± 2820
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −8448
Std Dev 8470
2
1.5
1
0.5
0
−0.5
−1
−1.5

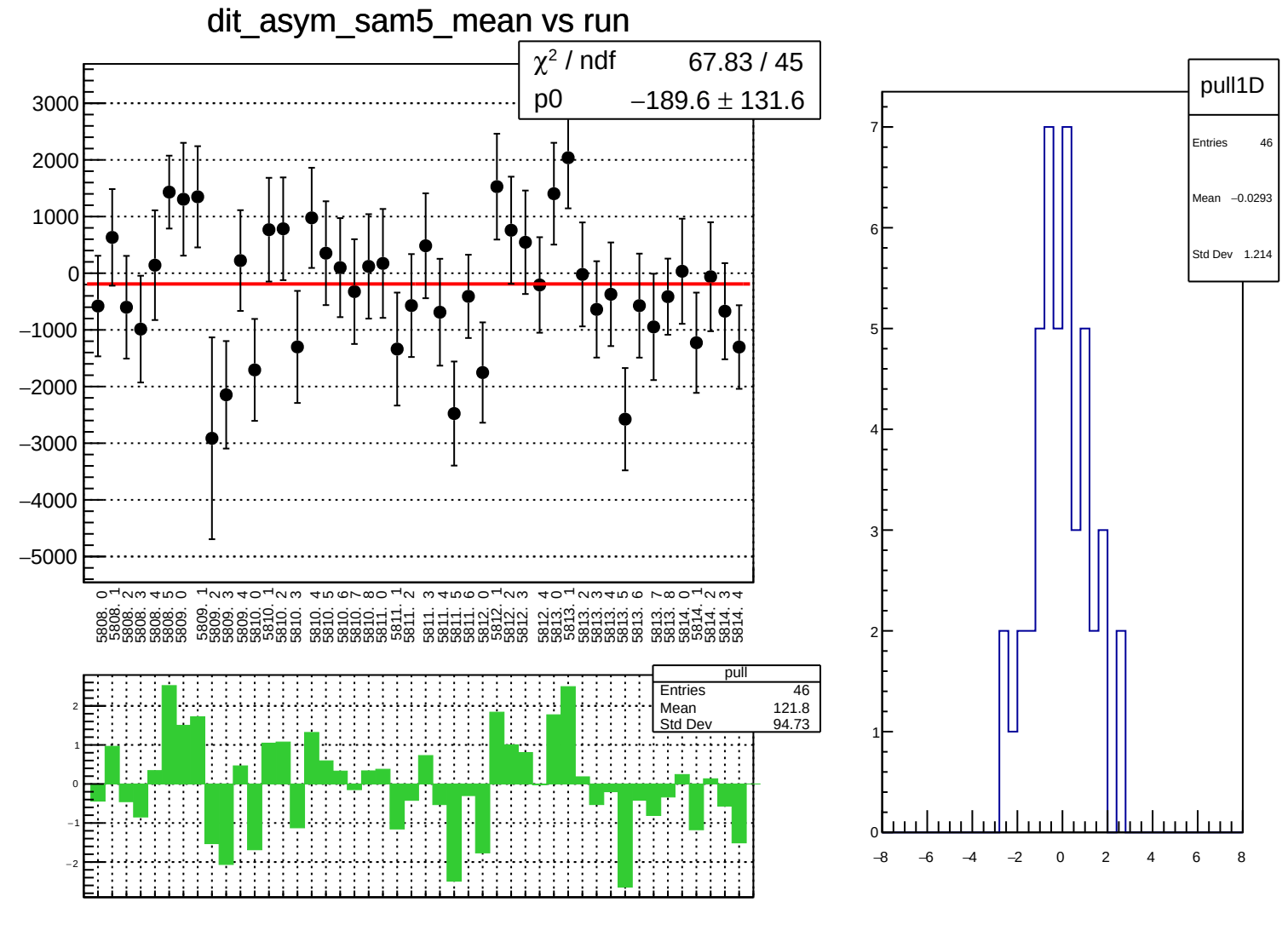

pull1D
Entries 46
Mean −0.0001623
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

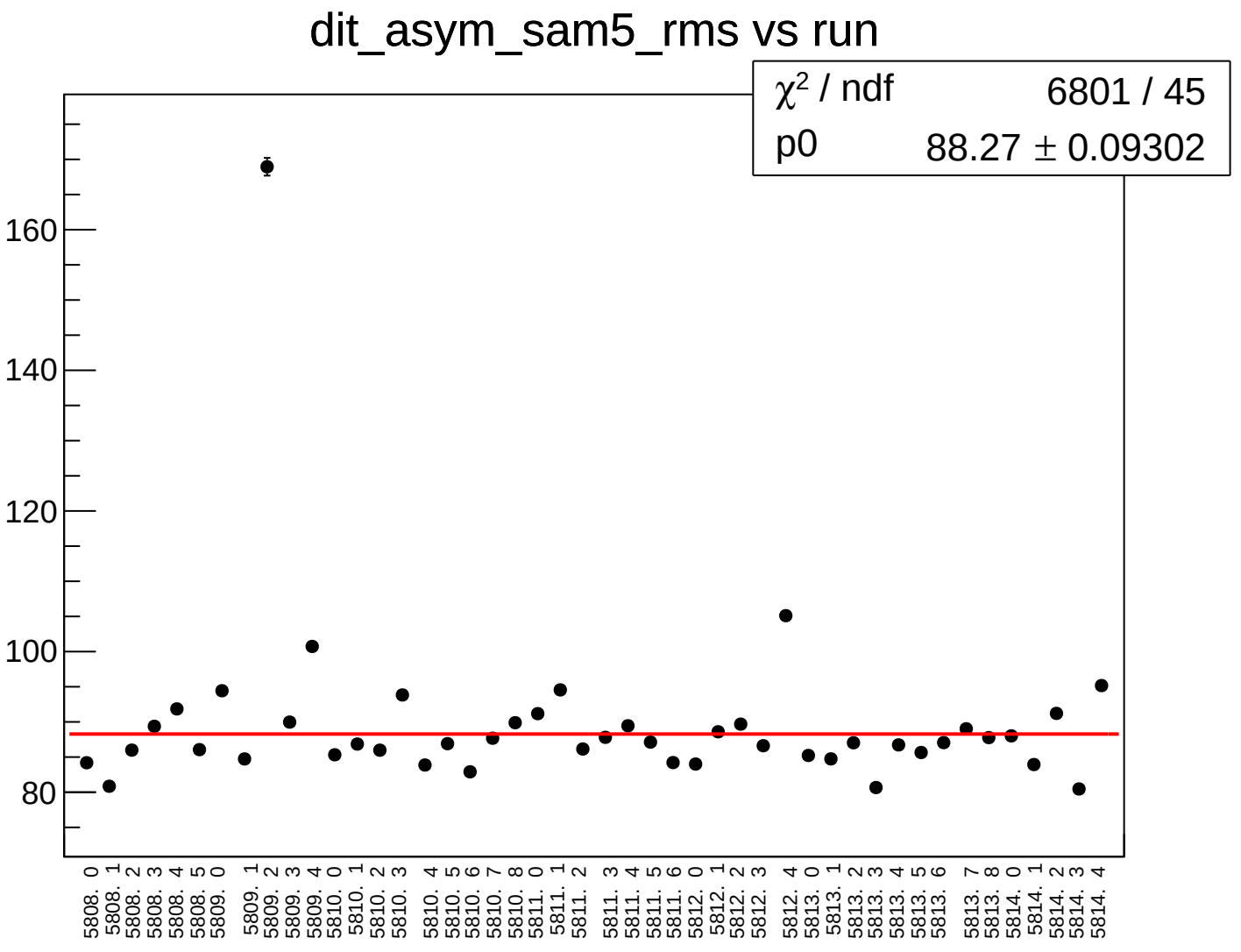

asym_sam4_correction_rms vs run
χ² / ndf 1342 / 45
p0 1898 ± 1.994
2150
2100
2050
2000
1950
1900
1850
1800
1750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_sam4_mean vs run
χ² / ndf 48.72 / 45
p0 2021 ± 2793
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 474.9
Std Dev 452.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 46
Mean −0.003458
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_rms vs run
χ² / ndf 1731 / 45
p0 1880 ± 1.975
2150
2100
2050
2000
1950
1900
1850
1800
1750
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


dit_asym_sam5_mean vs run
χ² / ndf 67.83 / 45
p0 −189.6 ± 131.6
pull
Entries 46
Mean 121.8
Std Dev 94.73
pull1D
Entries 46
Mean −0.0293
Std Dev 1.214


dit_asym_sam5_rms vs run
χ² / ndf 6801 / 45
p0 88.27 ± 0.09302
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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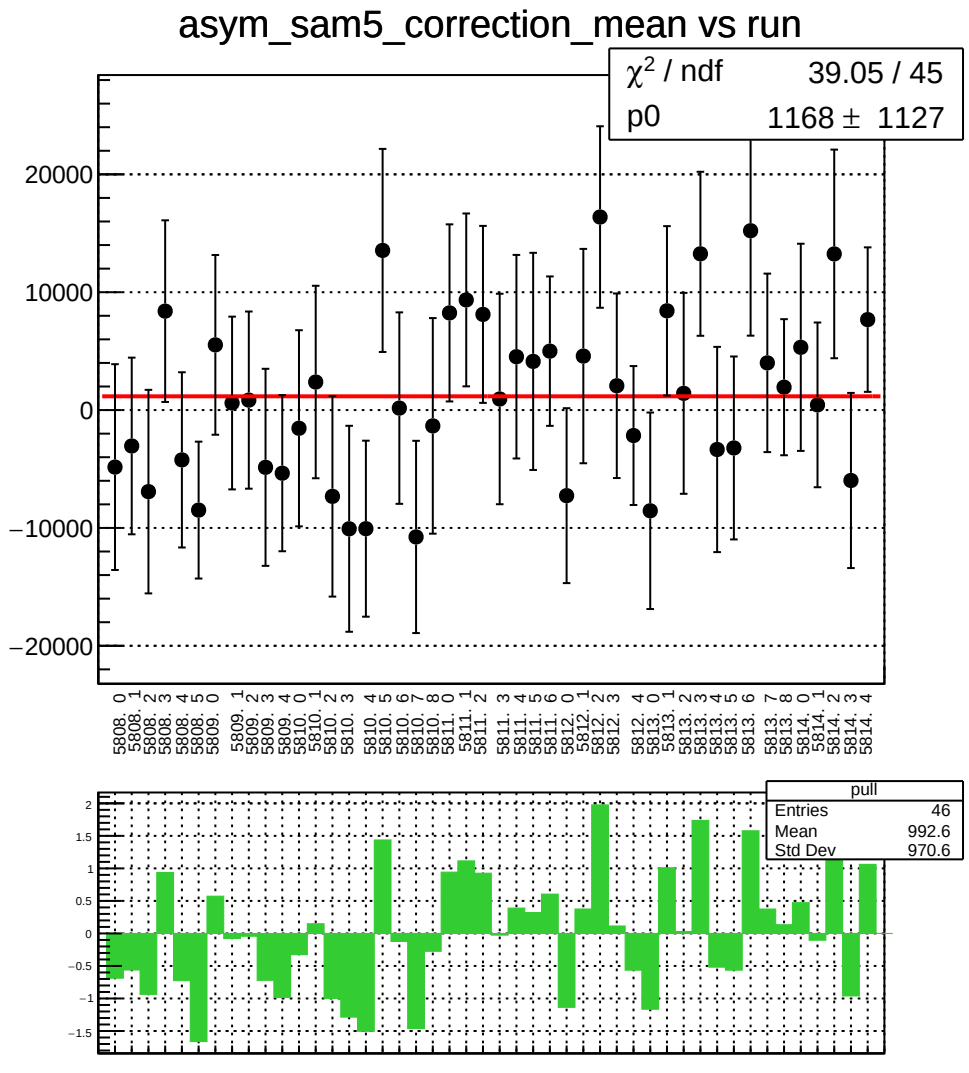
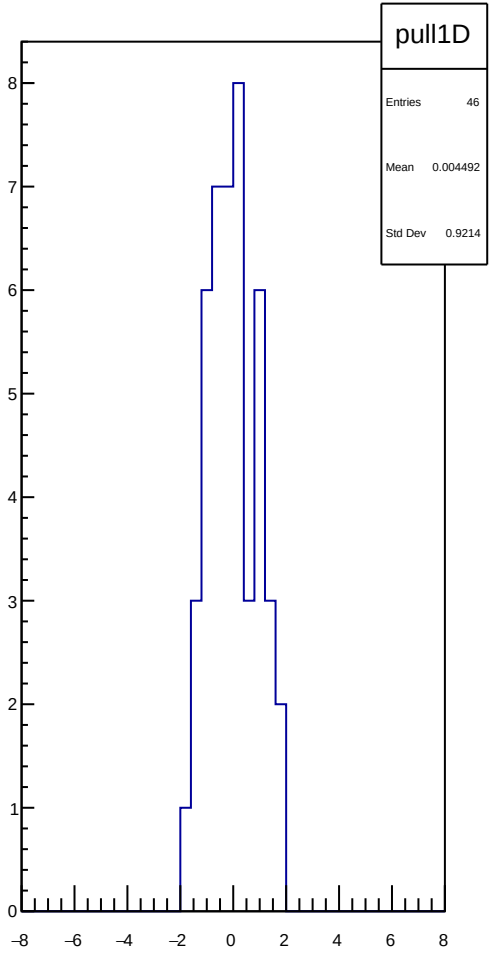
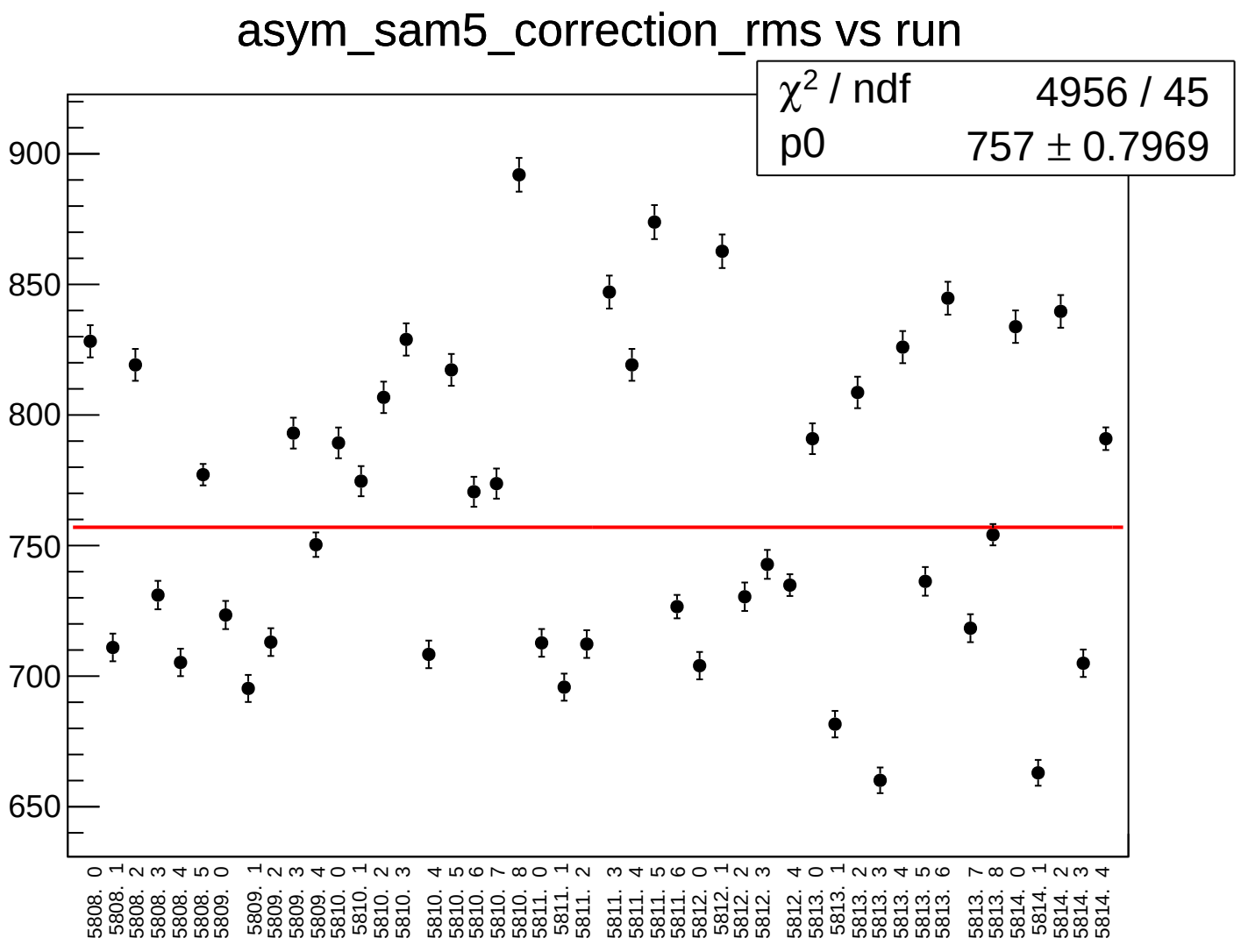
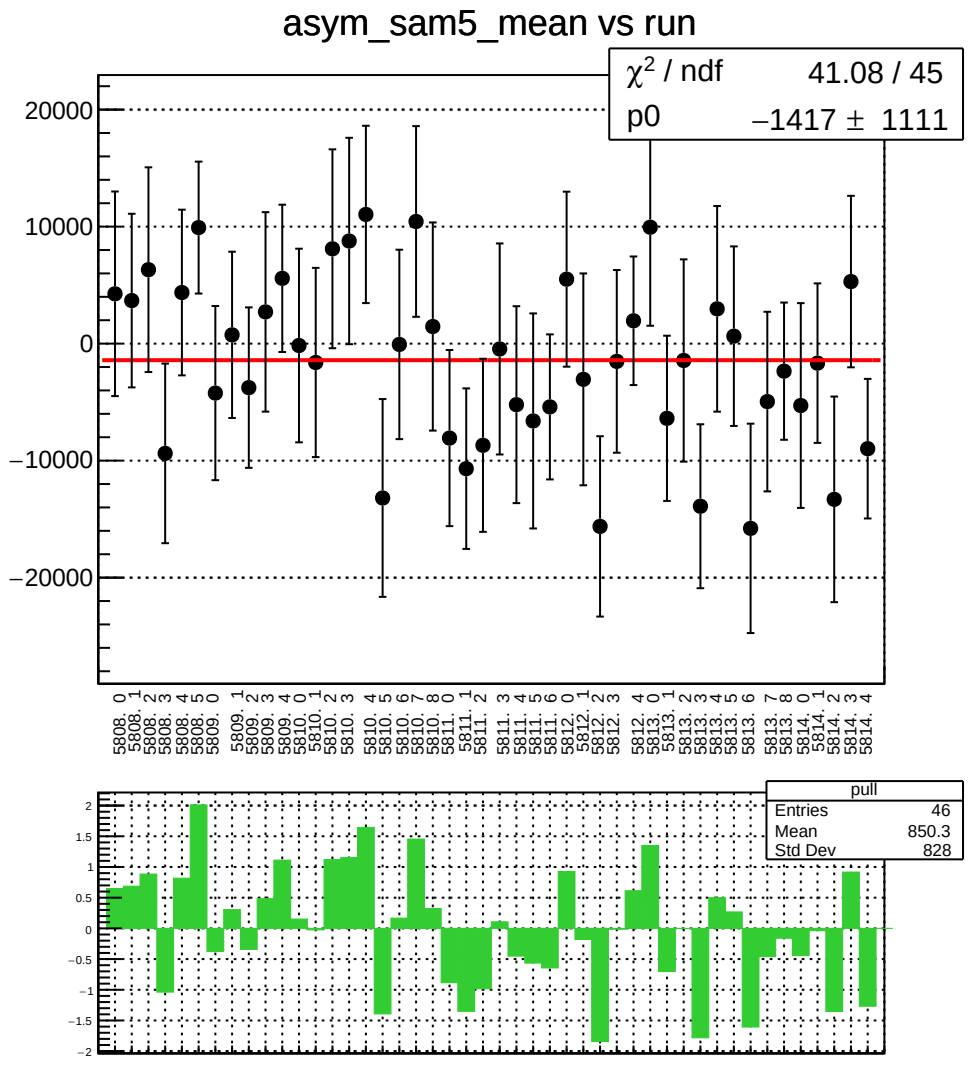
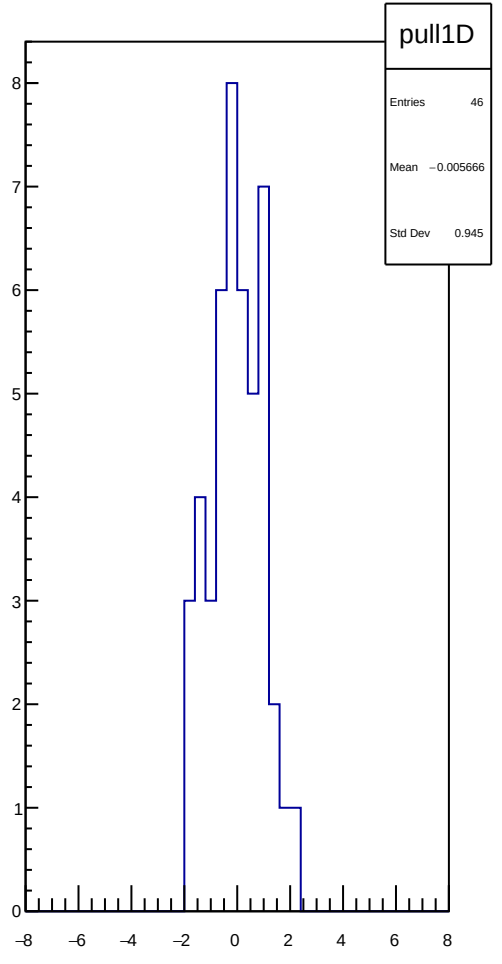
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

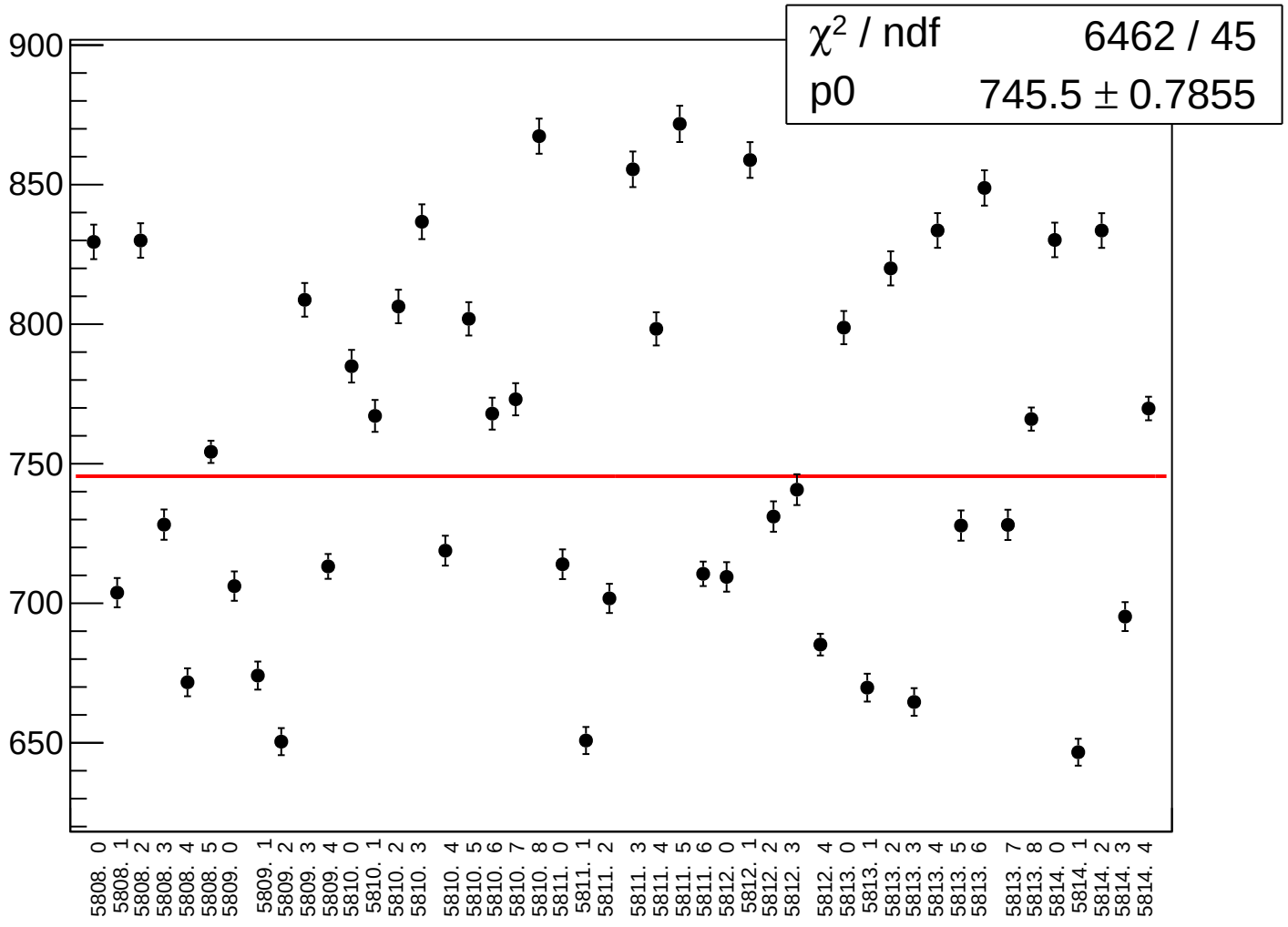

asym_sam5_correction_mean vs run
χ² / ndf 39.05 / 45
p0 1168 ± 1127
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 992.6
Std Dev 970.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

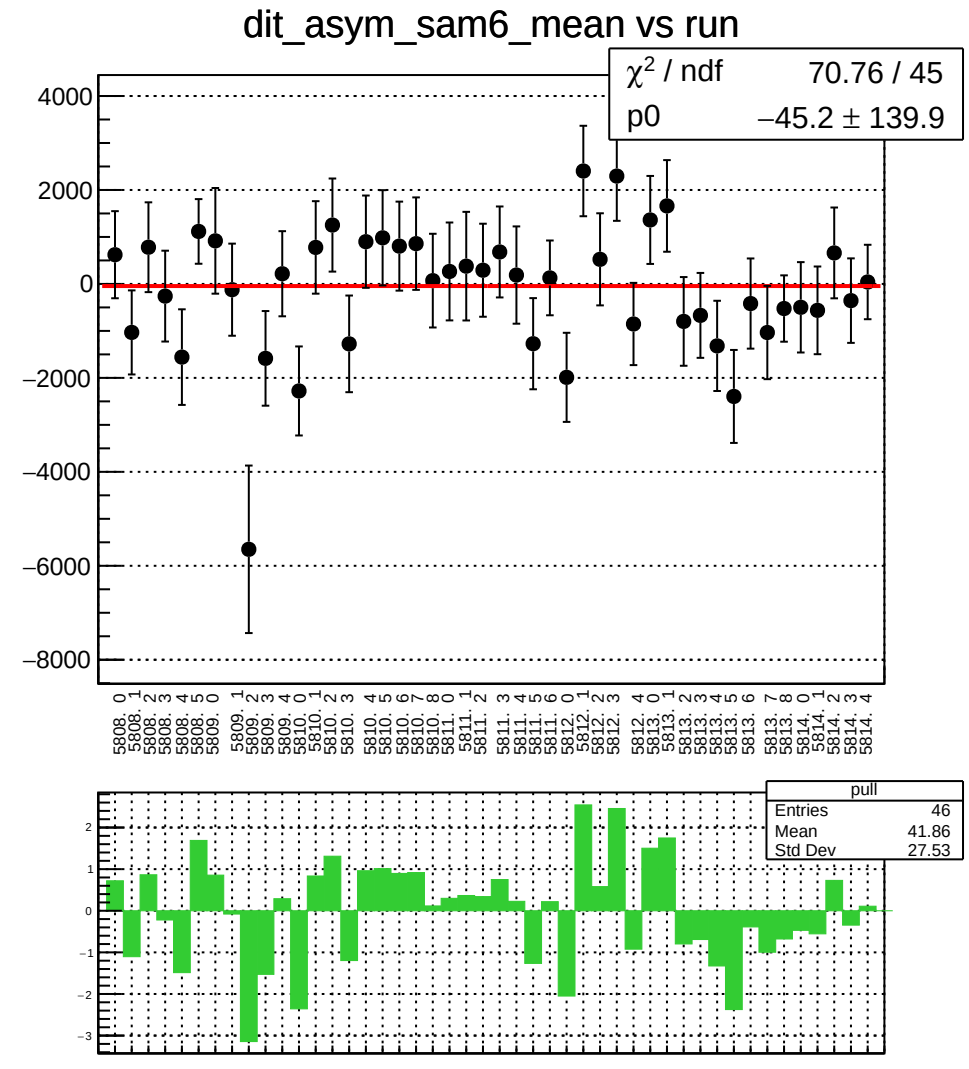

pull1D
Entries 46
Mean 0.004492
Std Dev 0.9214
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

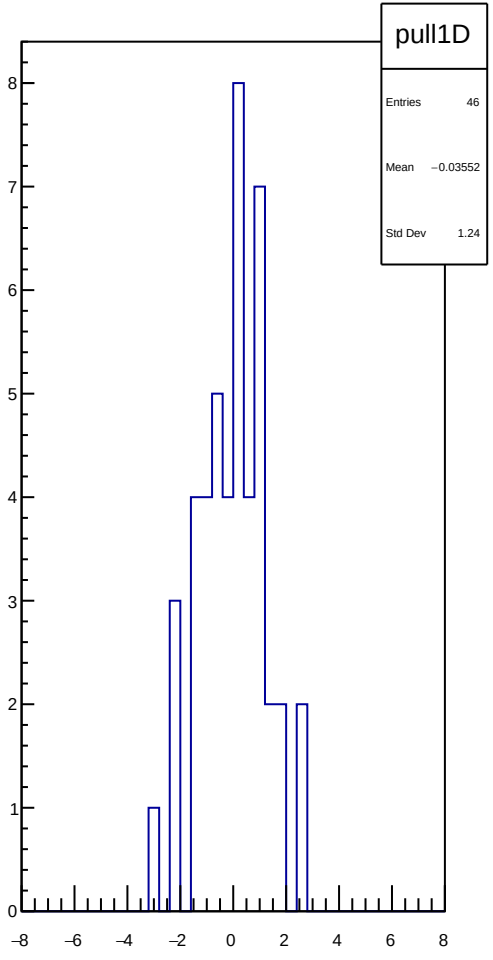

asym_sam5_correction_rms vs run
χ² / ndf 4956 / 45
p0 757 ± 0.7969
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

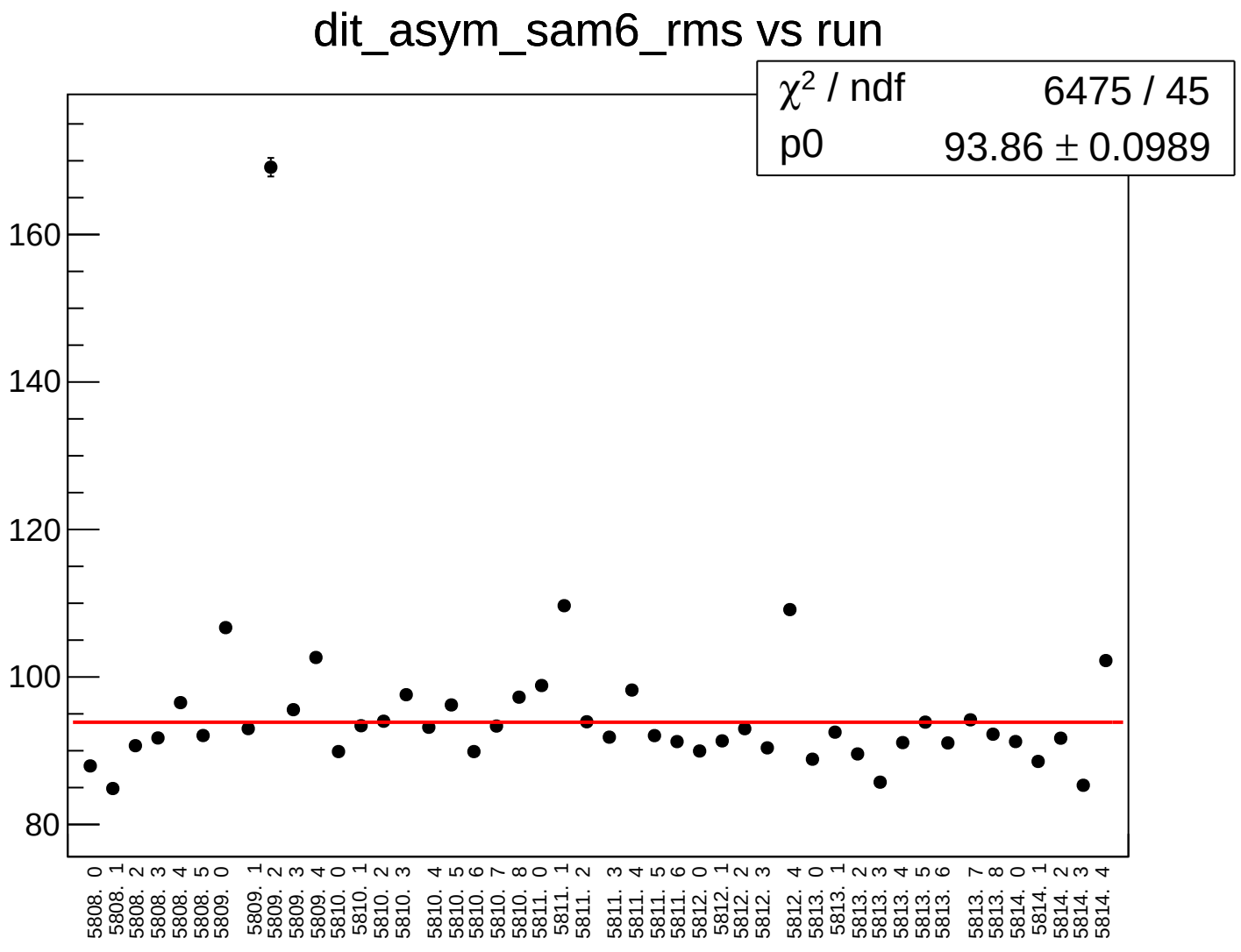

asym_sam5_mean vs run
χ² / ndf 41.08 / 45
p0 −1417 ± 1111
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 850.3
Std Dev 828
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

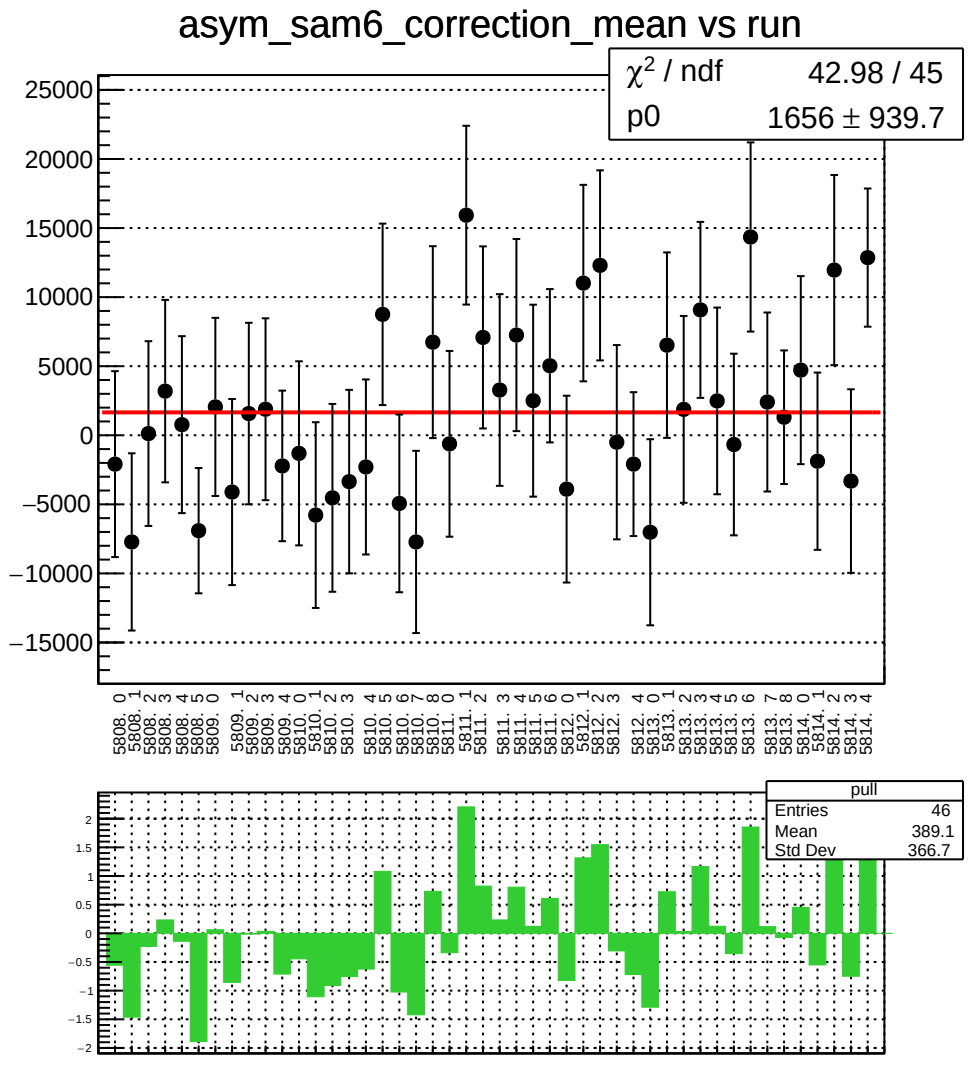

pull1D
Entries 46
Mean −0.005666
Std Dev 0.945
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

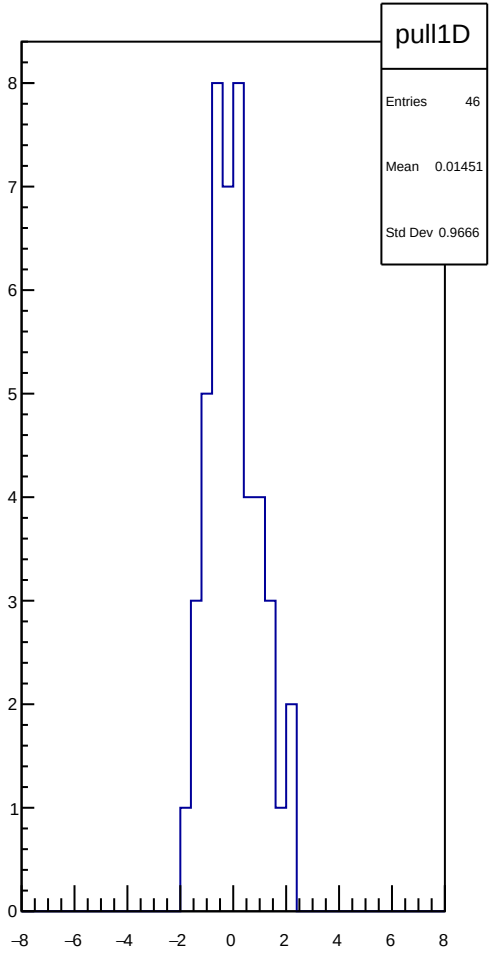

asym_sam5_rms vs run
χ² / ndf 6462 / 45
p0 745.5 ± 0.7855
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

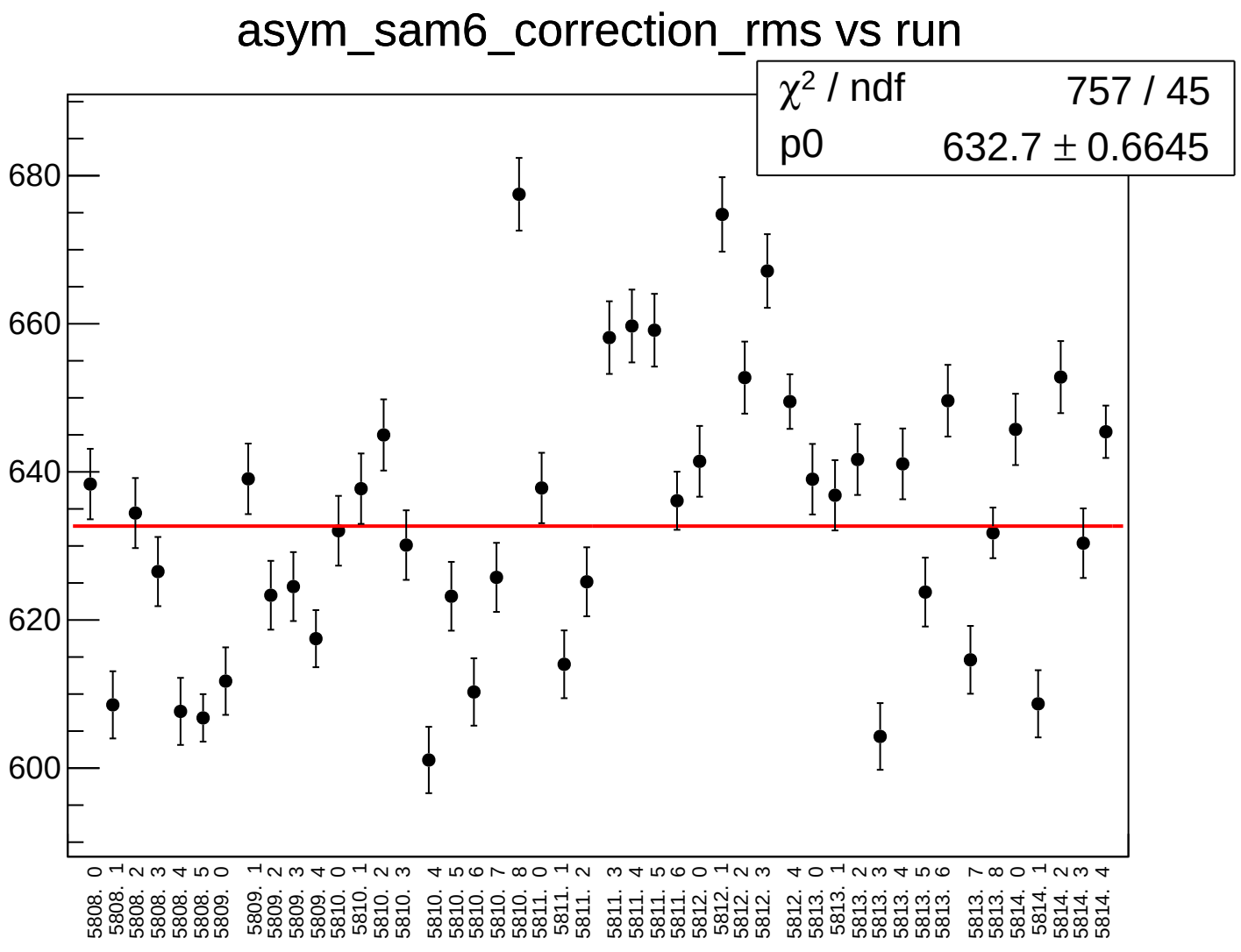

dit_asym_sam6_mean vs run
χ² / ndf 70.76 / 45
p0 −45.2 ± 139.9
4000
2000
0
−2000
−4000
−6000
−8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 41.86
Std Dev 27.53
2
1
0
−1
−2
−3

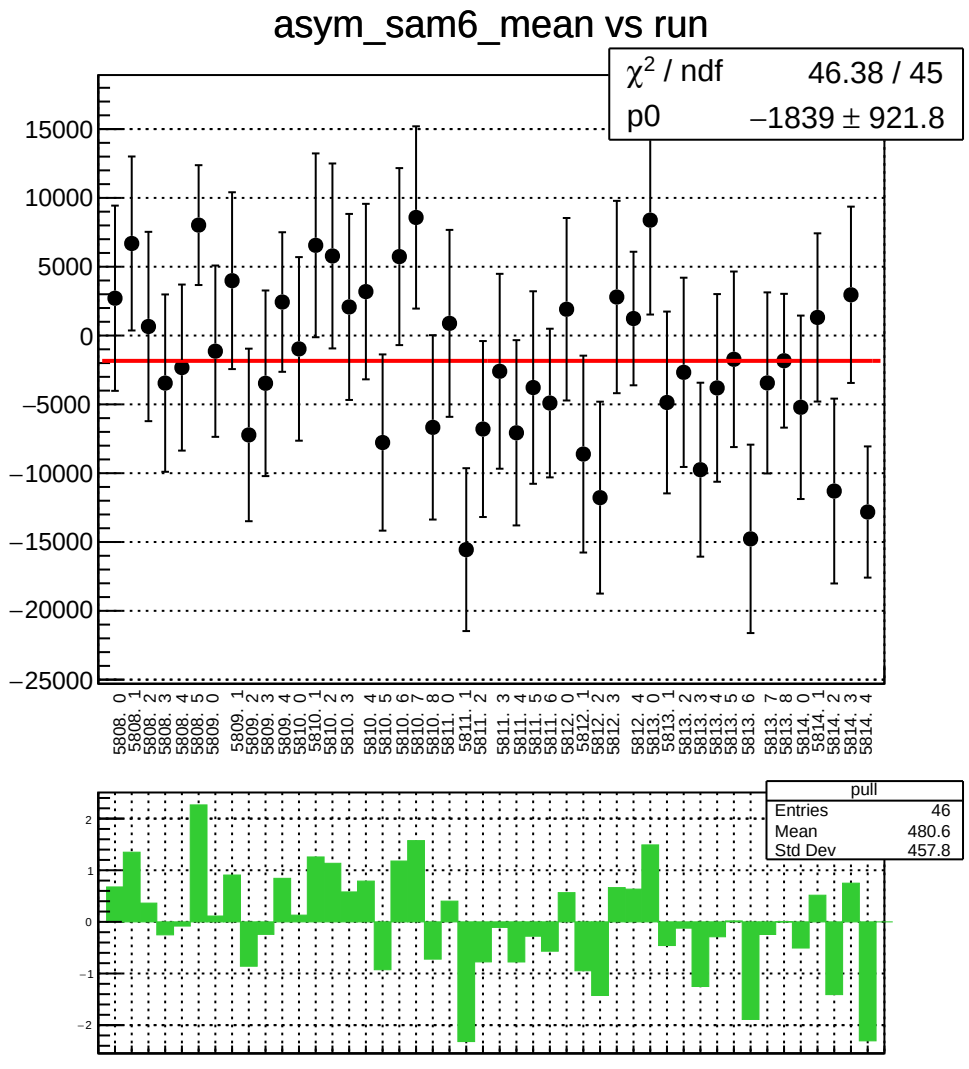

pull1D
Entries 46
Mean −0.03552
Std Dev 1.24
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

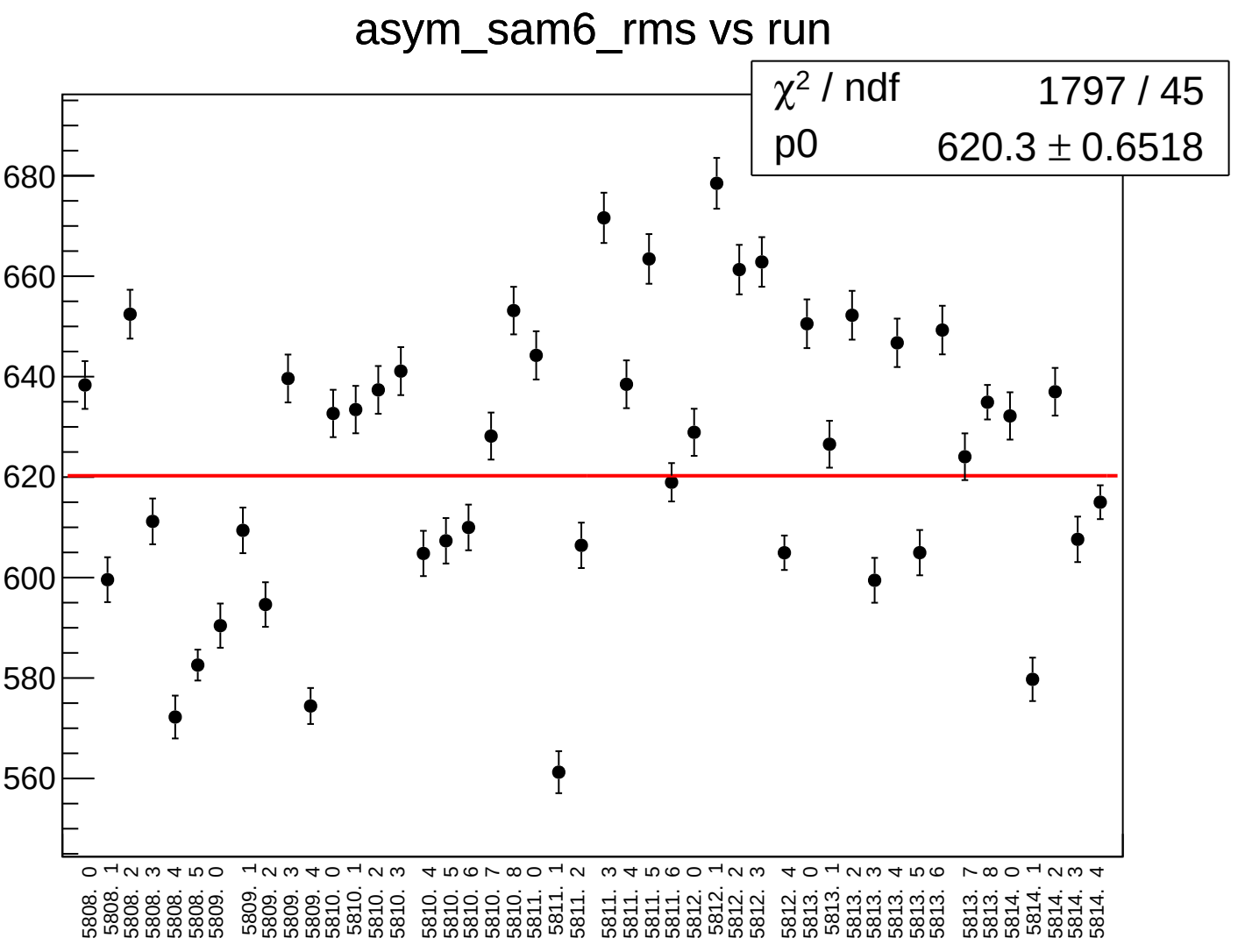

dit_asym_sam6_rms vs run
χ² / ndf 6475 / 45
p0 93.86 ± 0.0989
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

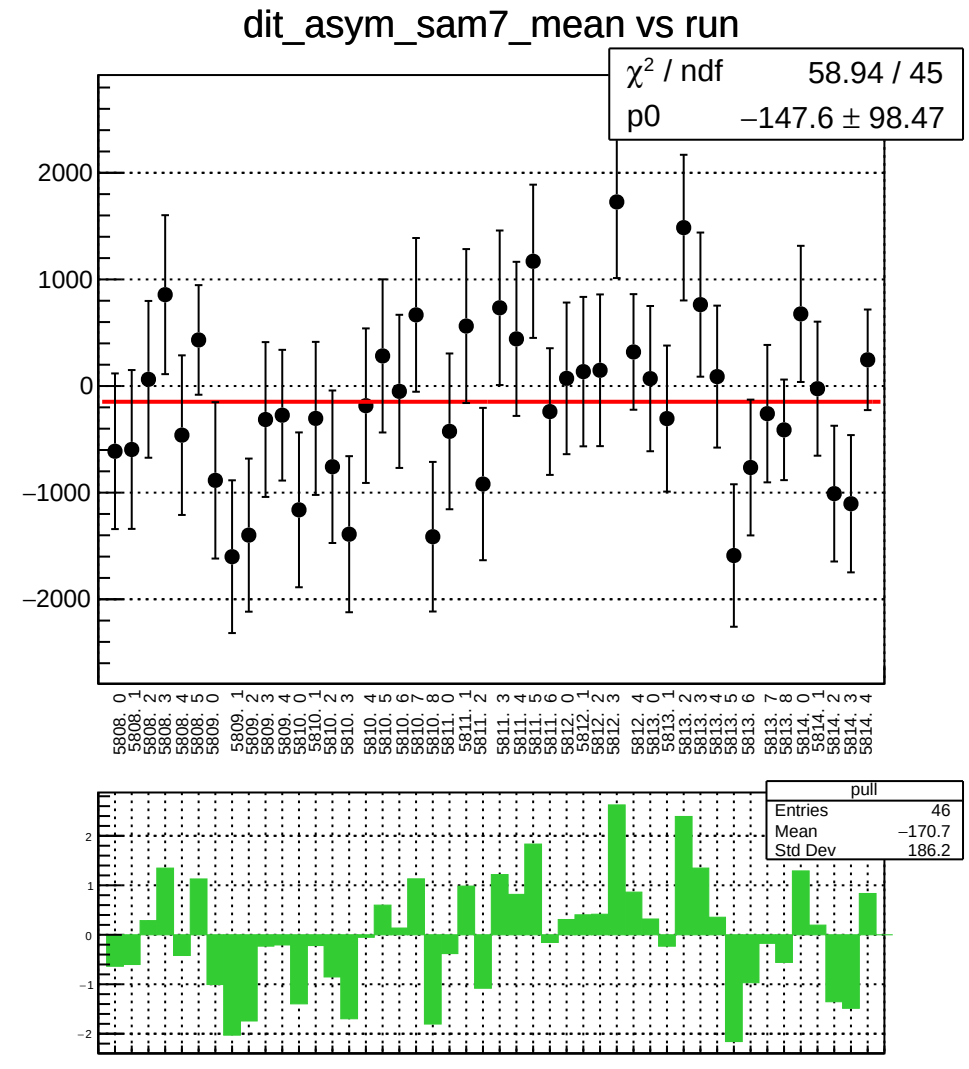

asym_sam6_correction_mean vs run
χ² / ndf 42.98 / 45
p0 1656 ± 939.7
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 389.1
Std Dev 366.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

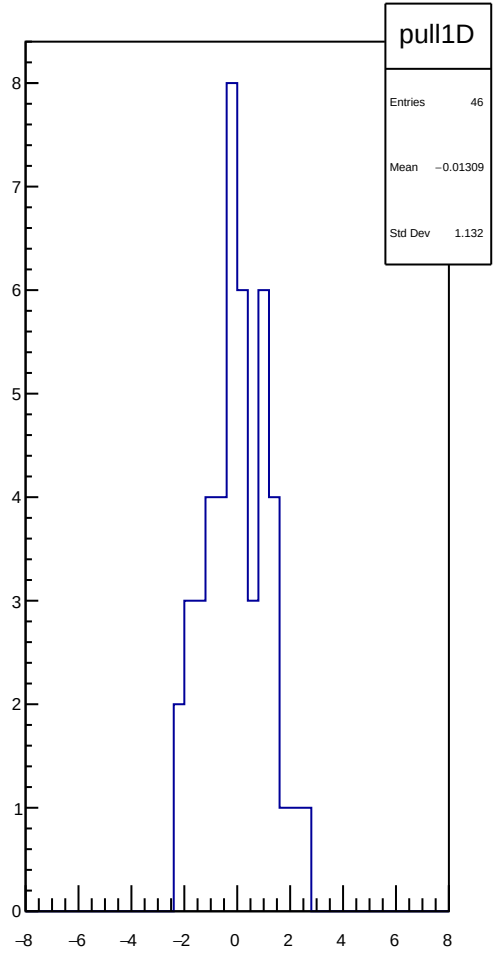

pull1D
Entries 46
Mean 0.01451
Std Dev 0.9666
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

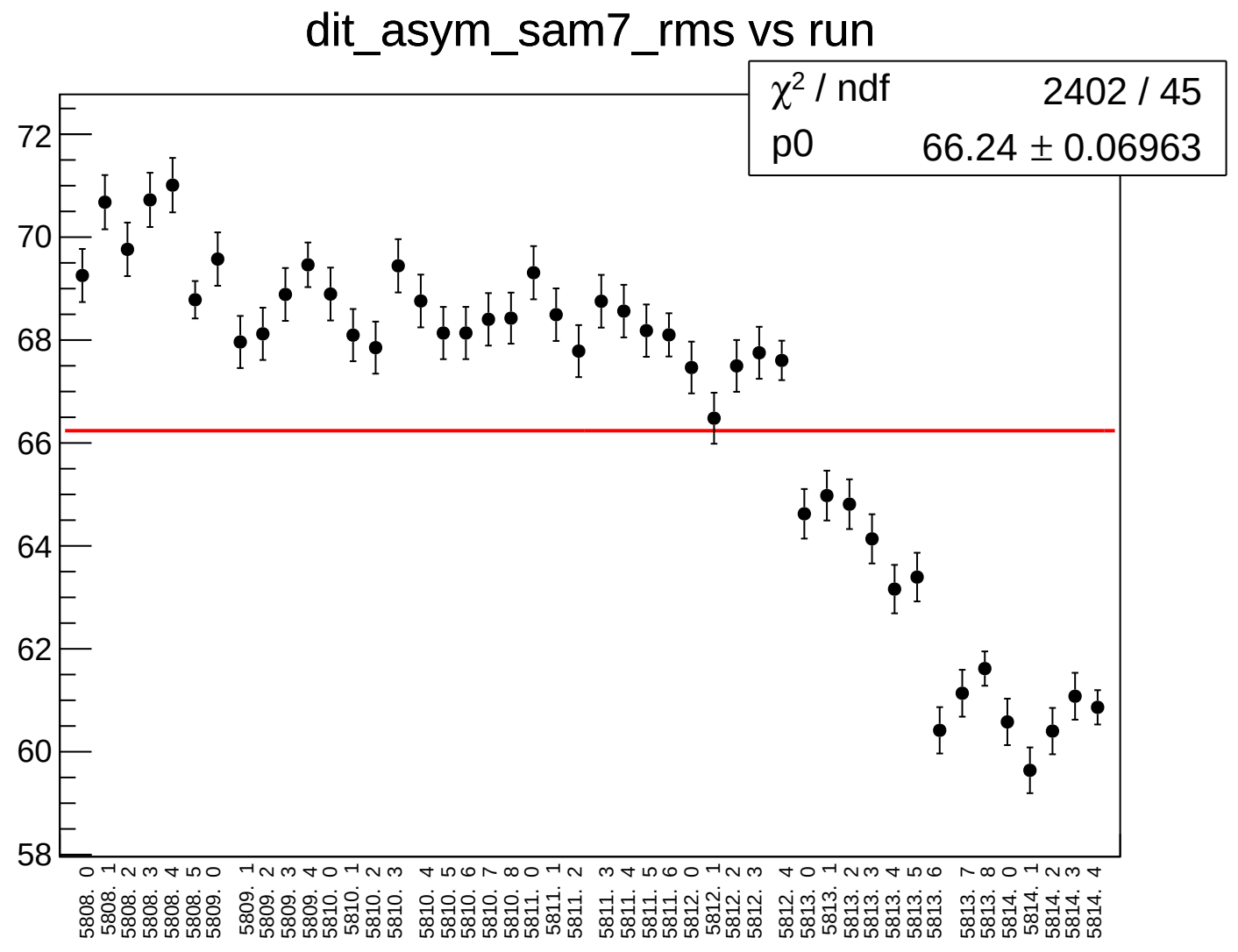

asym_sam6_correction_rms vs run
χ² / ndf 757 / 45
p0 632.7 ± 0.6645
680
660
640
620
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

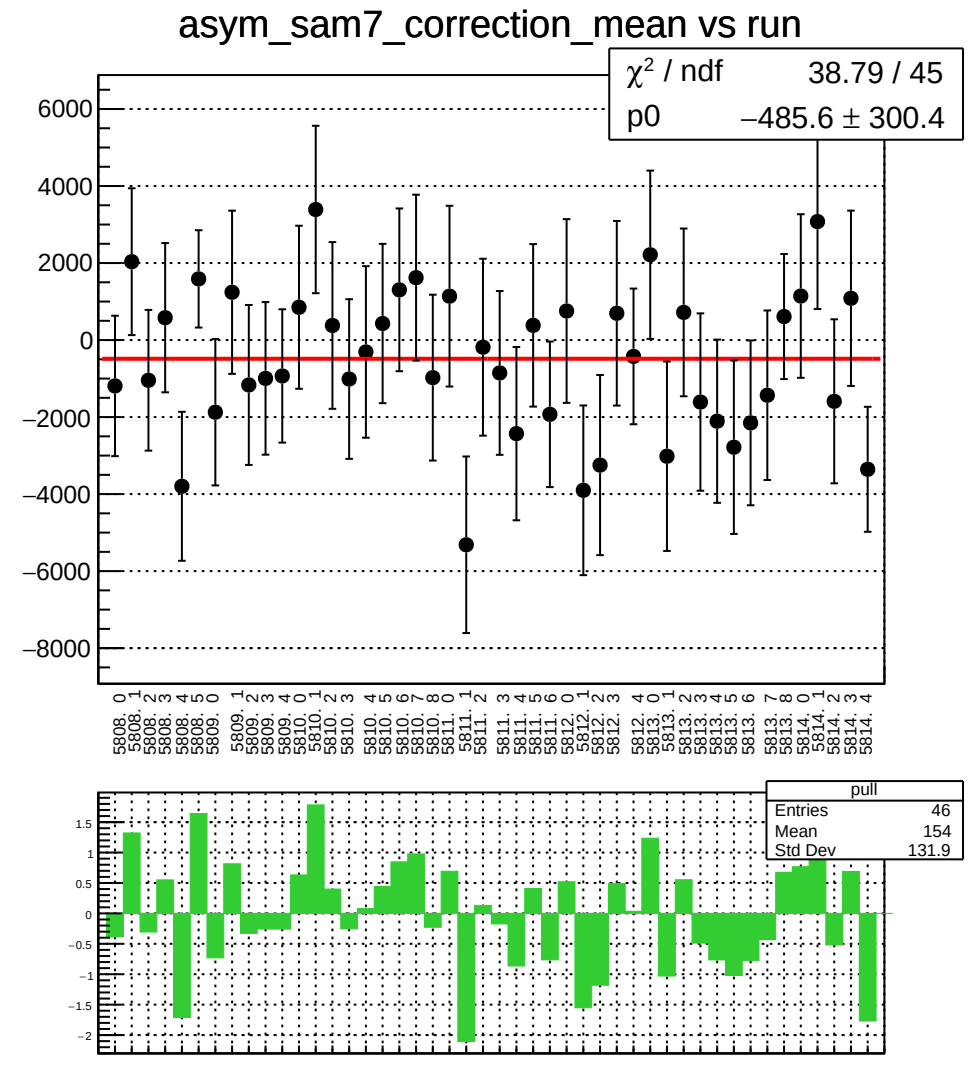

asym_sam6_mean vs run
χ² / ndf 46.38 / 45
p0 −1839 ± 921.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 480.6
Std Dev 457.8
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01179
Std Dev 1.004
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

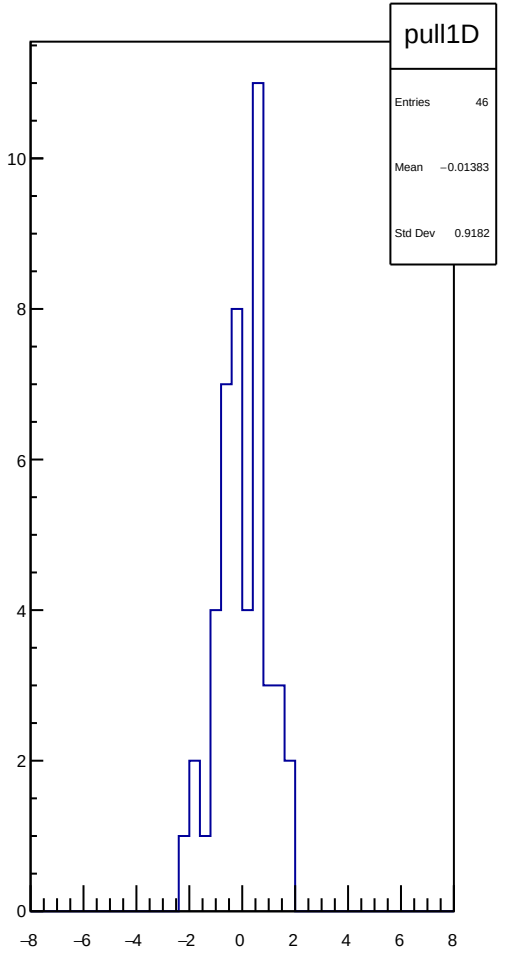

asym_sam6_rms vs run
χ² / ndf 1797 / 45
p0 620.3 ± 0.6518
680
660
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

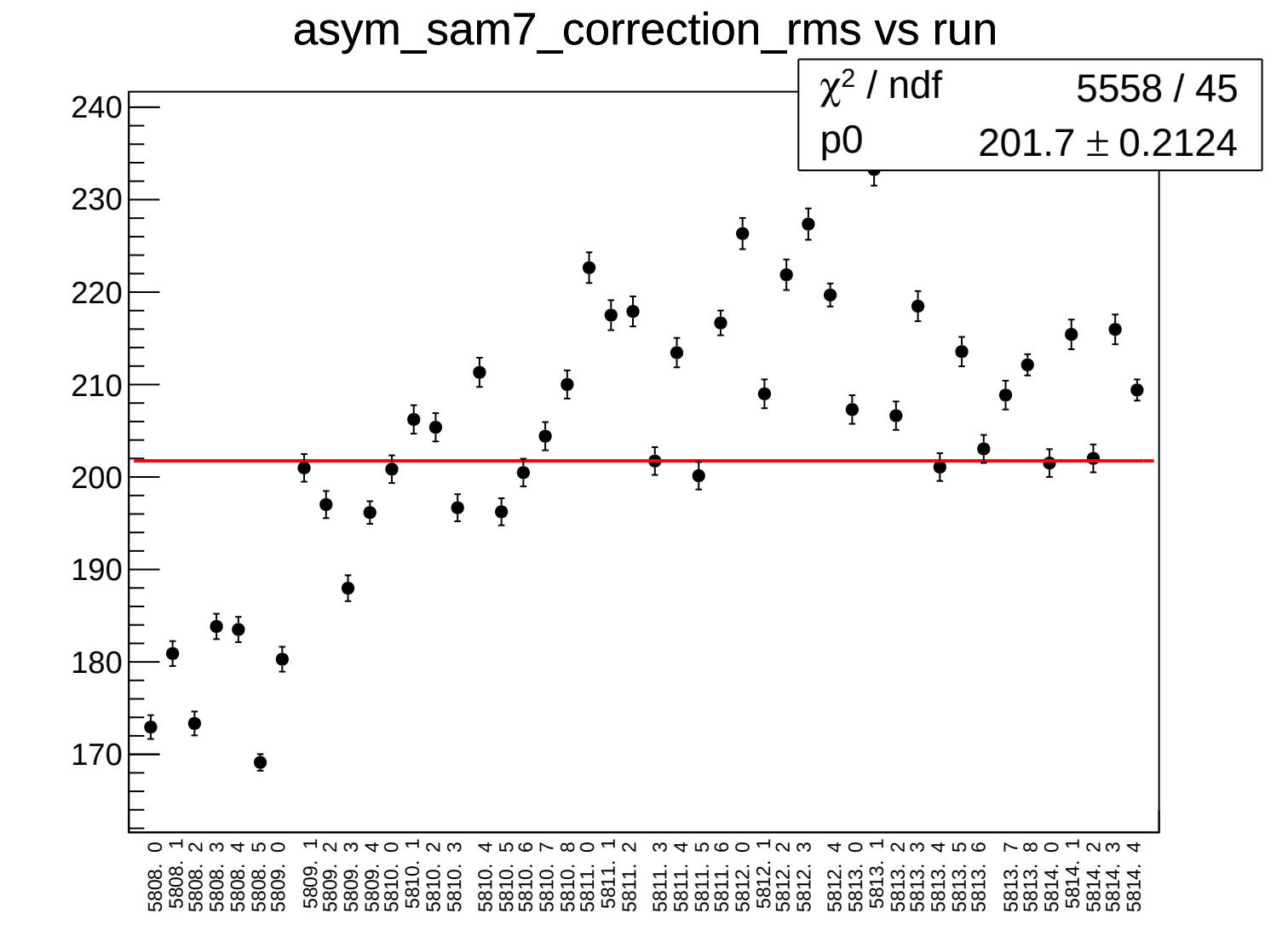

dit_asym_sam7_mean vs run
χ² / ndf 58.94 / 45
p0 −147.6 ± 98.47
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −170.7
Std Dev 186.2
2
1
0
−1
−2

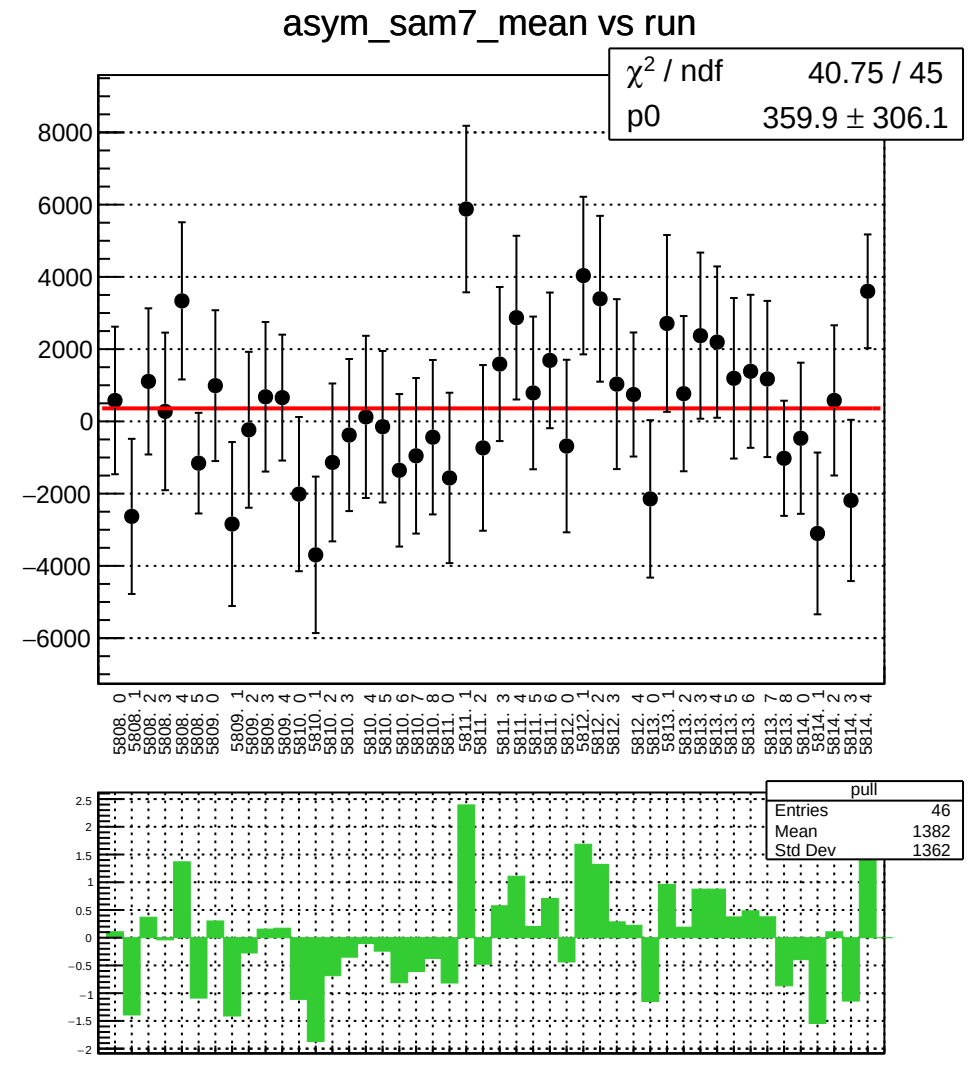

pull1D
Entries 46
Mean −0.01309
Std Dev 1.132
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

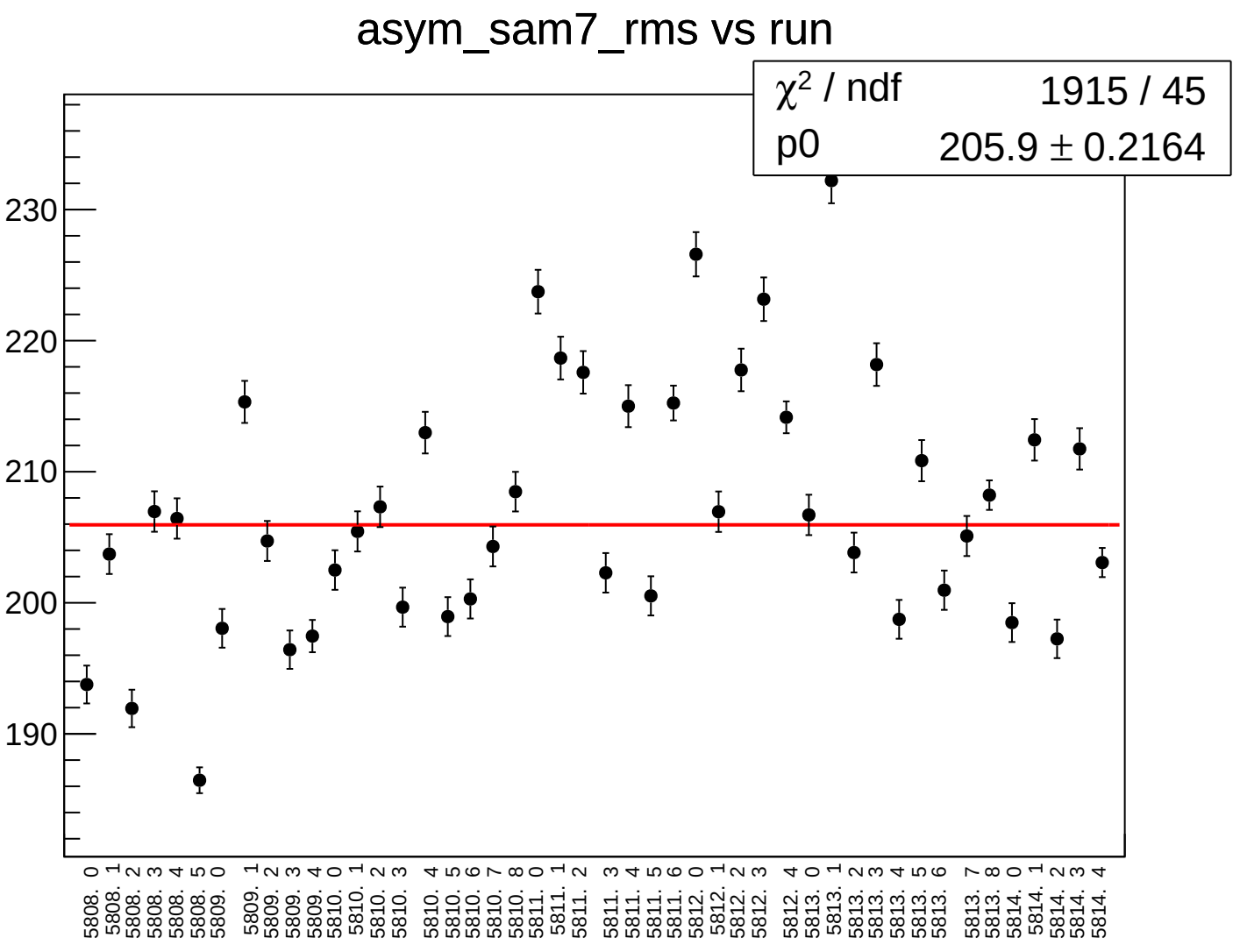

dit_asym_sam7_rms vs run
χ² / ndf 2402 / 45
p0 66.24 ± 0.06963
72
70
68
66
64
62
60
58
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

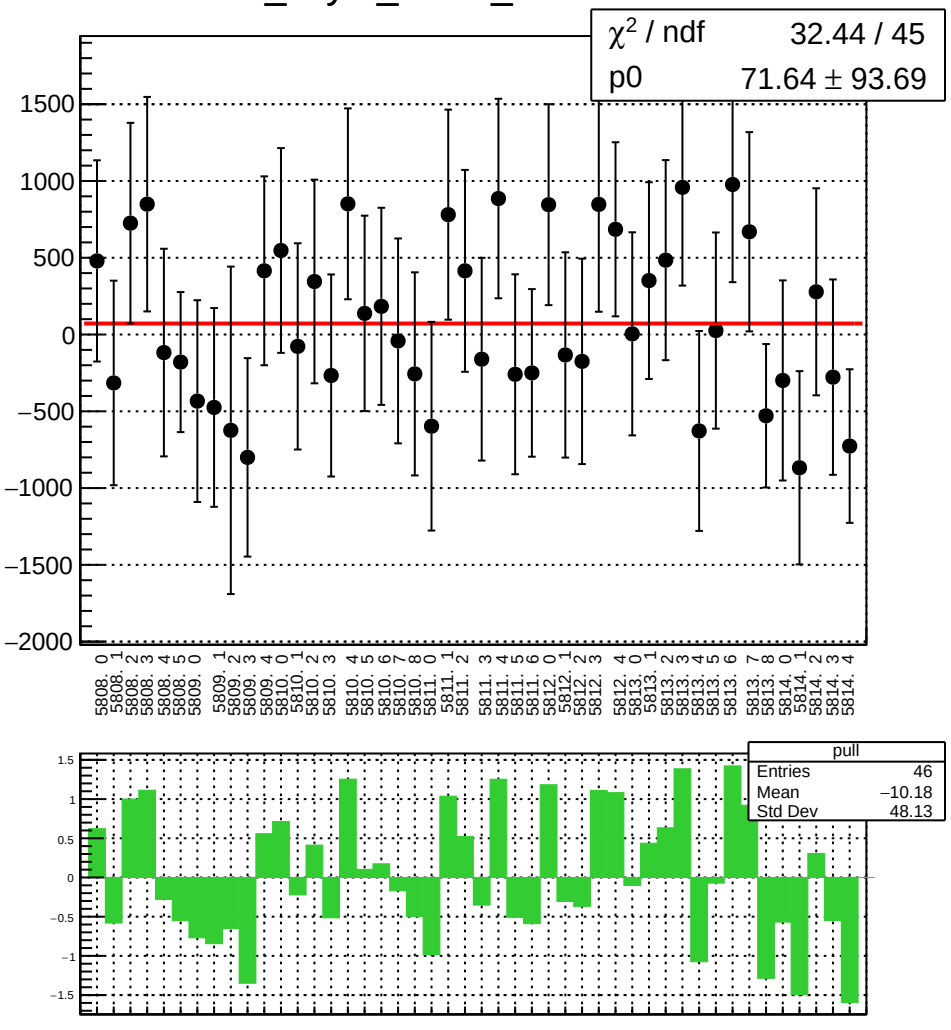

asym_sam7_correction_mean vs run
χ² / ndf 38.79 / 45
p0 −485.6 ± 300.4
6000
4000
2000
0
−2000
−4000
−6000
−8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 154
Std Dev 131.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

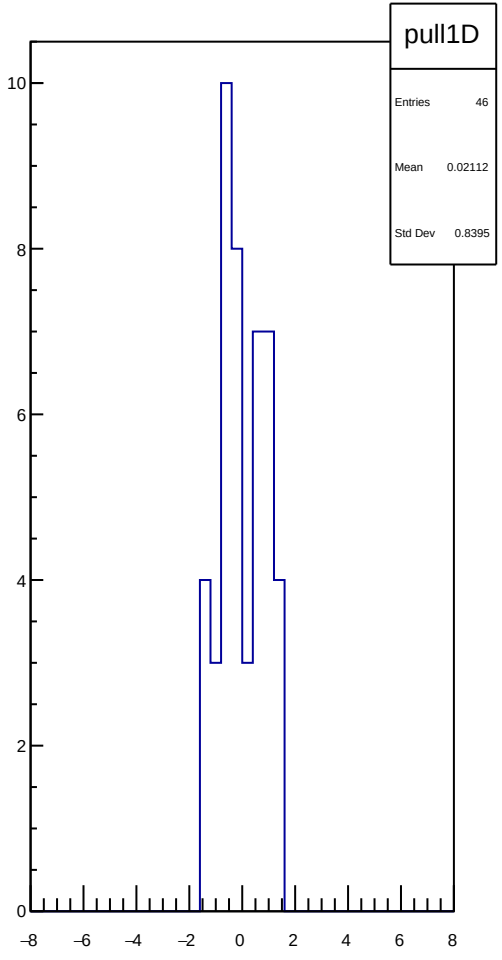

pull1D
Entries 46
Mean −0.01383
Std Dev 0.9182
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

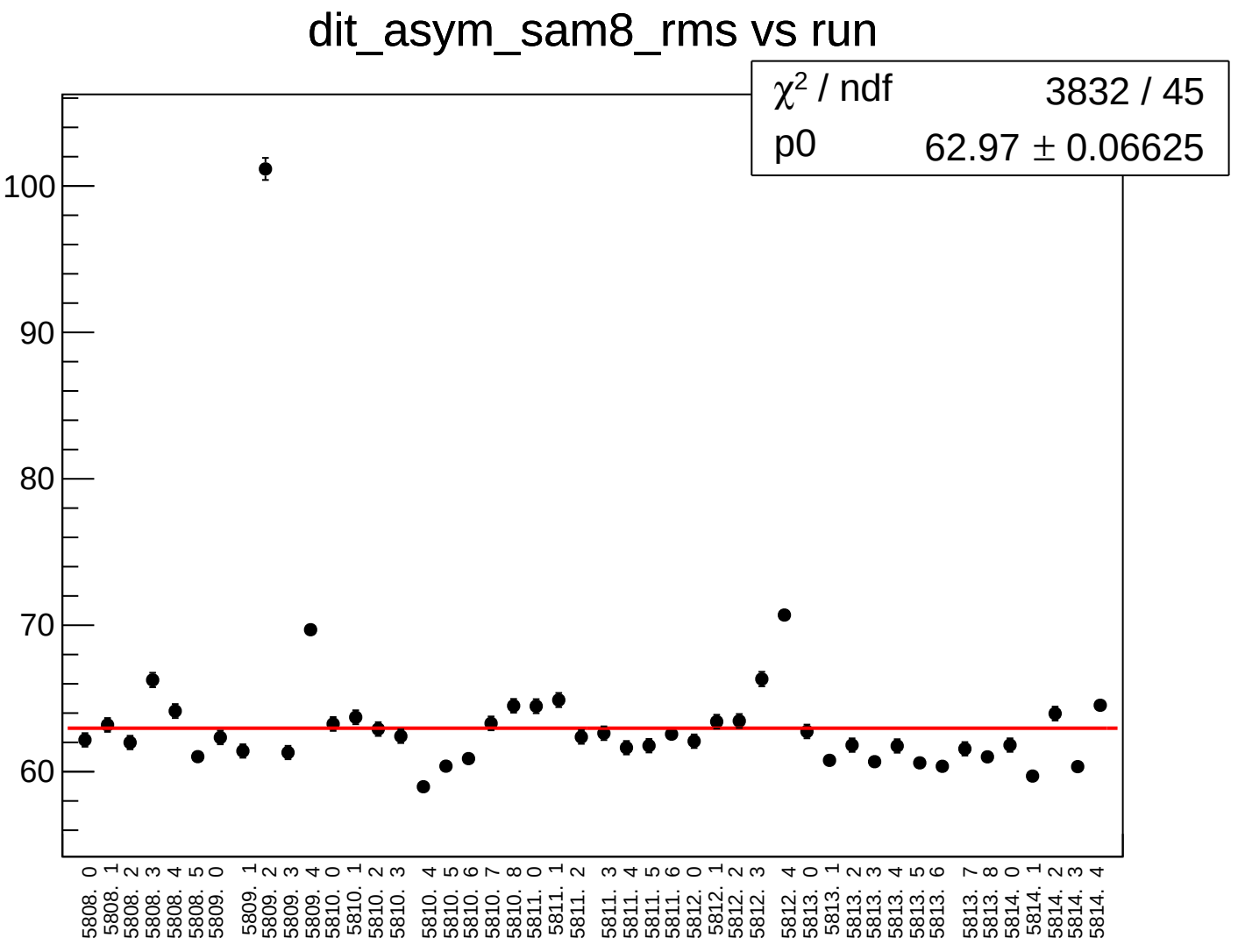

asym_sam7_correction_rms vs run
χ² / ndf 5558 / 45
p0 201.7 ± 0.2124
240
230
220
210
200
190
180
170
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

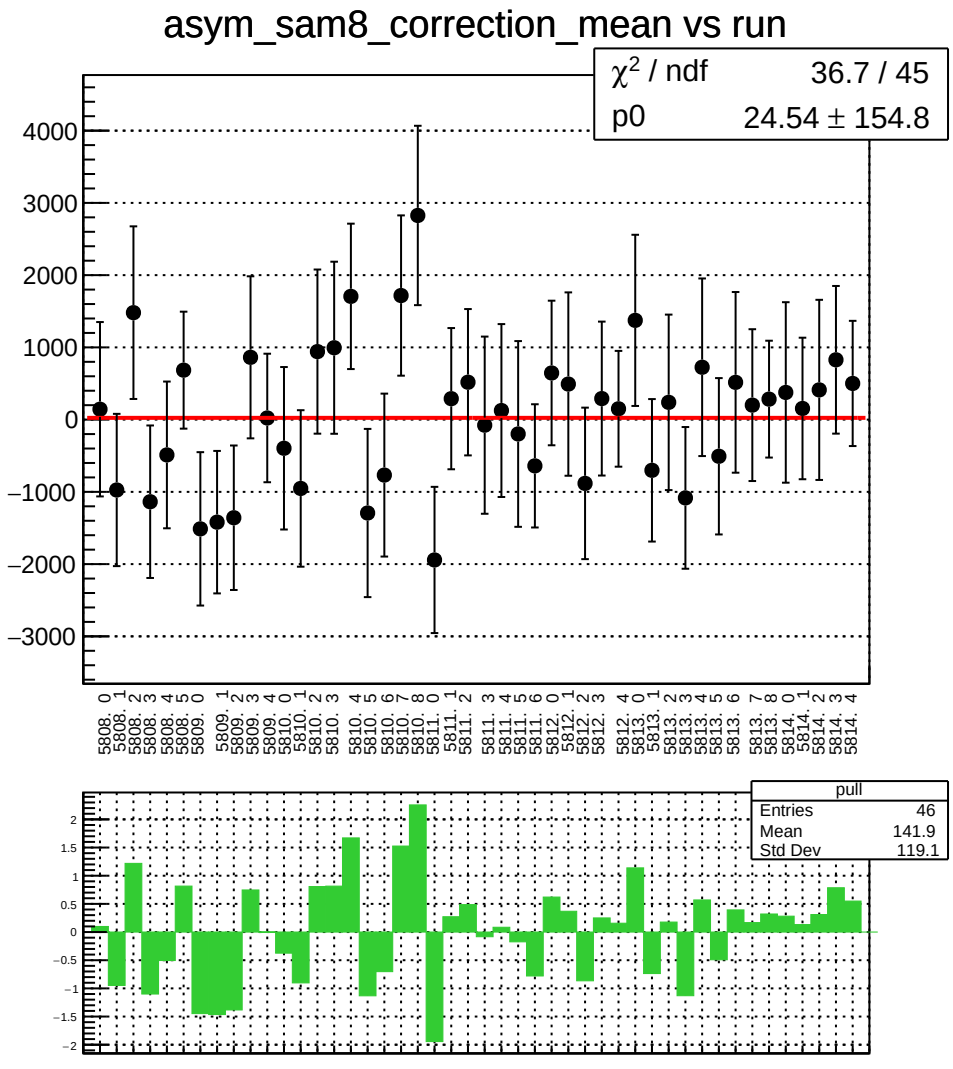

asym_sam7_mean vs run
χ^2 / ndf 40.75 / 45
p0 359.9 ± 306.1
8000
6000
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1382
Std Dev 1362
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.001953
Std Dev 0.9412
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

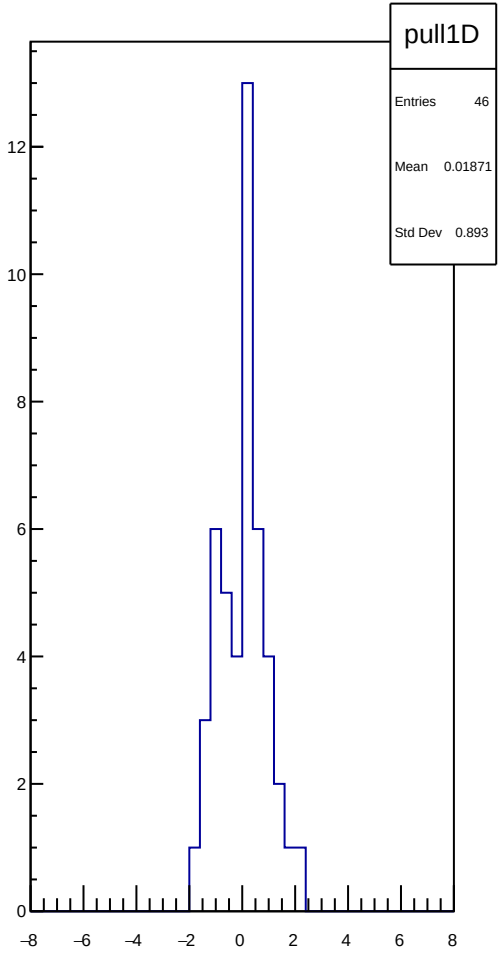

asym_sam7_rms vs run
χ² / ndf 1915 / 45
p0 205.9 ± 0.2164
230
220
210
200
190
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

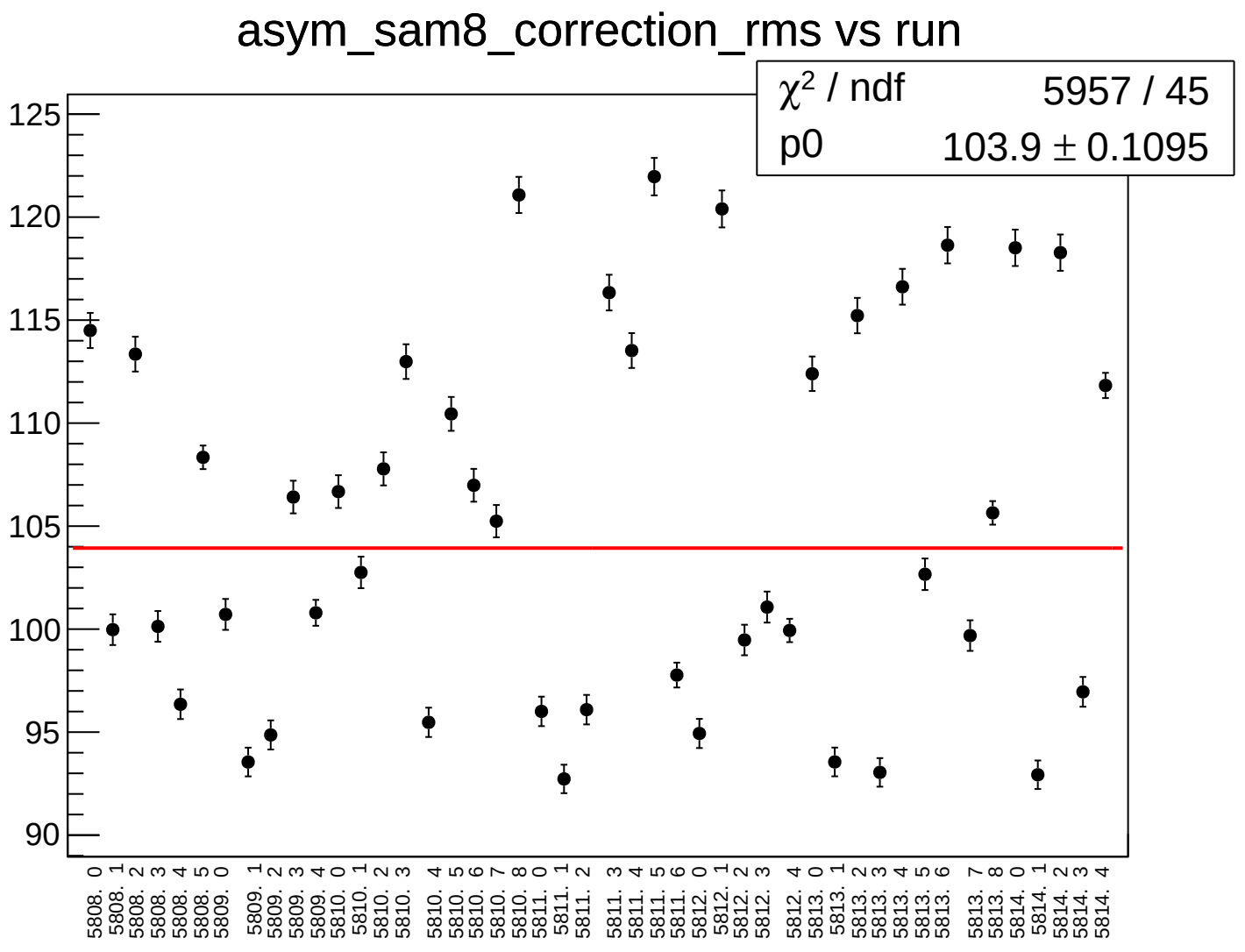

dit_asym_sam8_mean vs run
χ² / ndf 32.44 / 45
p0 71.64 ± 93.69
1500
1000
500
0
−500
−1000
−1500
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −10.18
Std Dev 48.13
1.5
1
0.5
0
−0.5
−1
−1.5

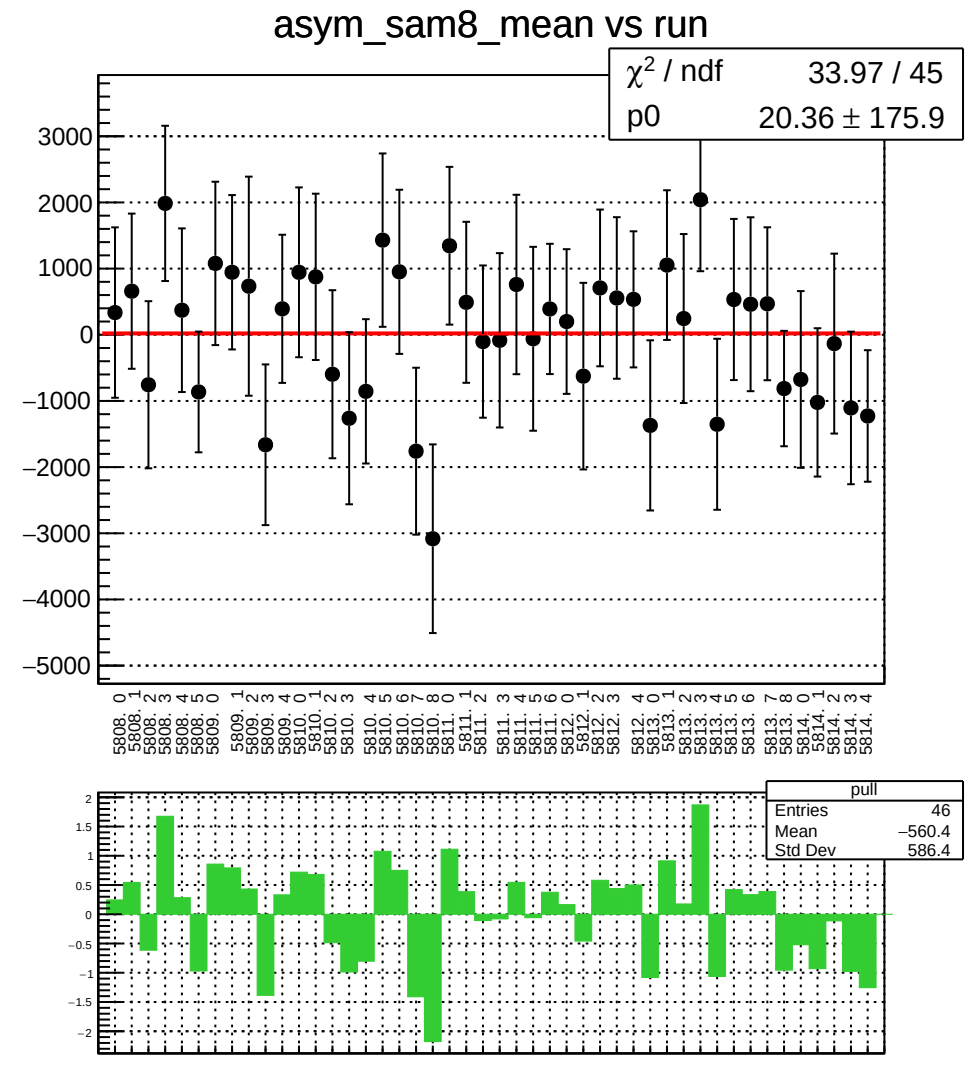

pull1D
Entries 46
Mean 0.02112
Std Dev 0.8395
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

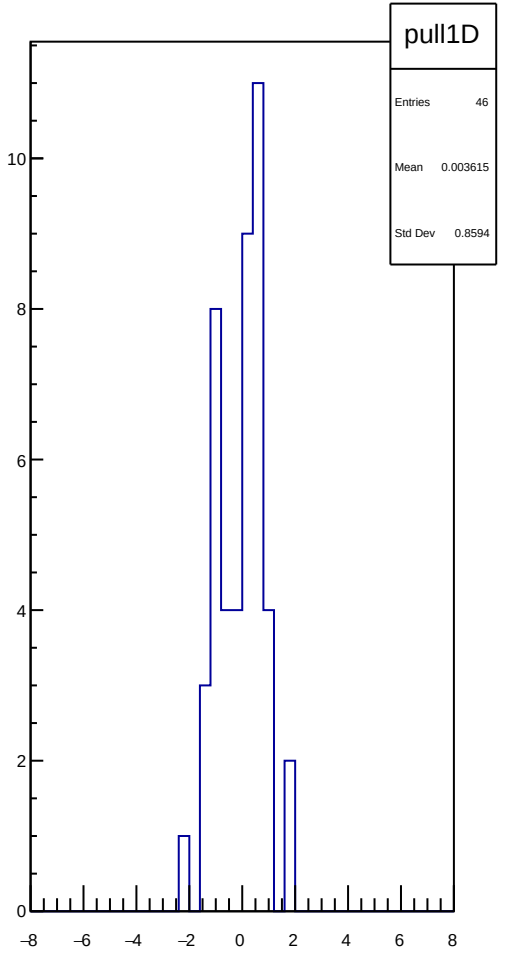

dit_asym_sam8_rms vs run
χ² / ndf 3832 / 45
p0 62.97 ± 0.06625
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

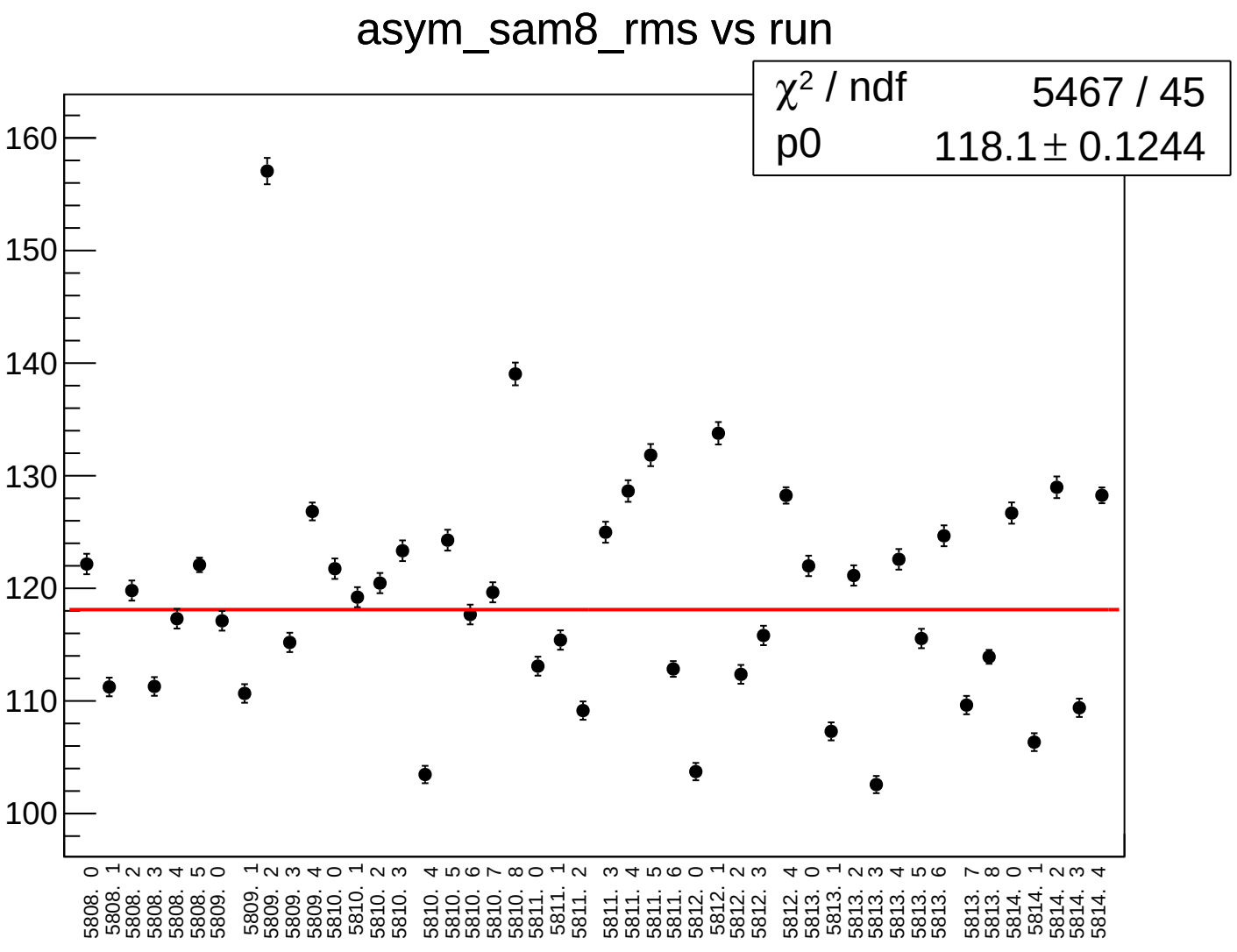

asym_sam8_correction_mean vs run
χ² / ndf 36.7 / 45
p0 24.54 ± 154.8
pull
Entries 46
Mean 141.9
Std Dev 119.1

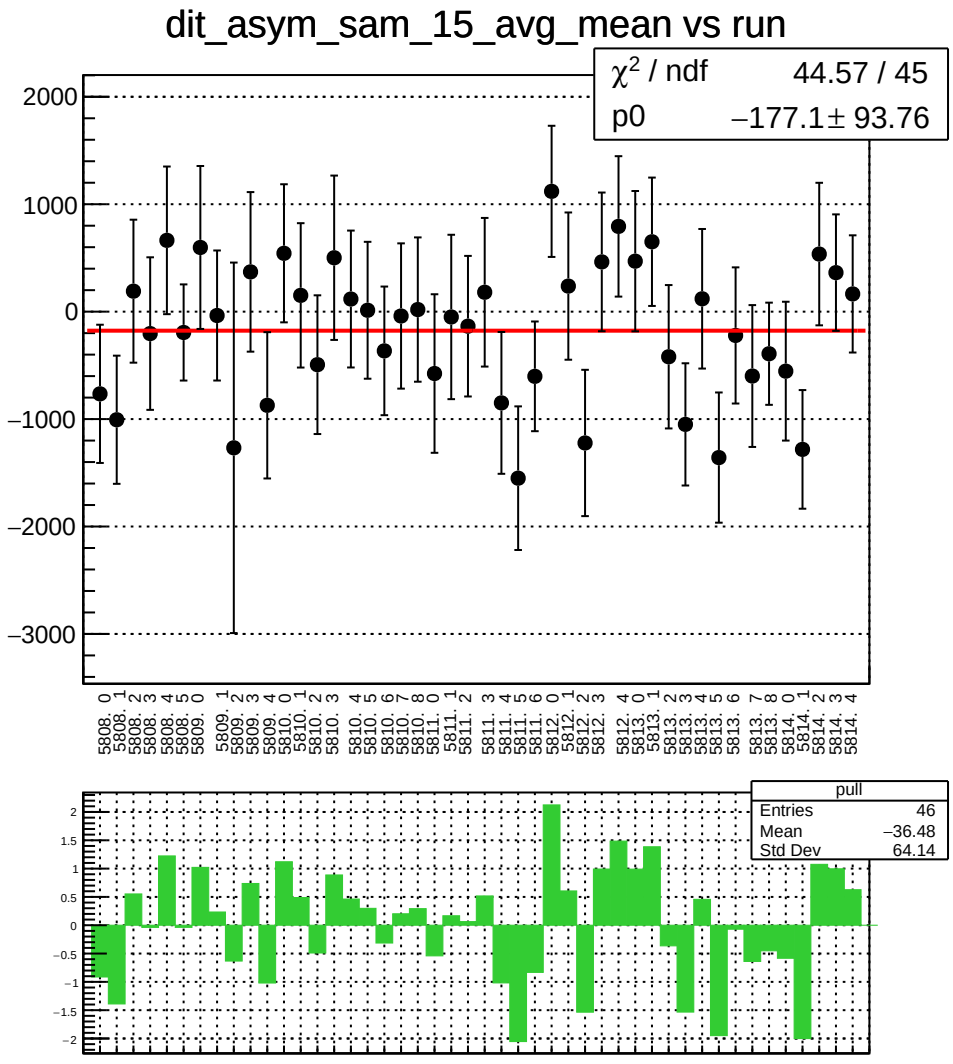

pull1D
Entries 46
Mean 0.01871
Std Dev 0.893

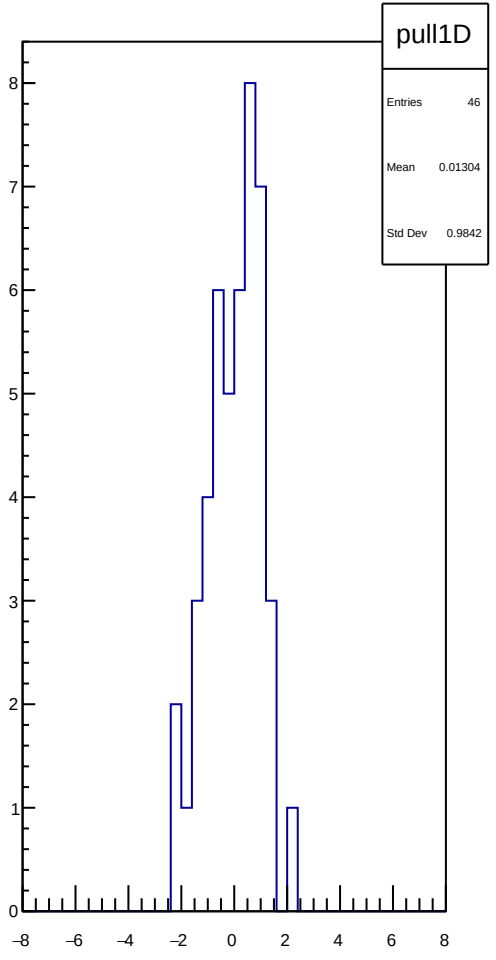

asym_sam8_correction_rms vs run
χ² / ndf 5957 / 45
p0 103.9 ± 0.1095
125
120
115
110
105
100
95
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

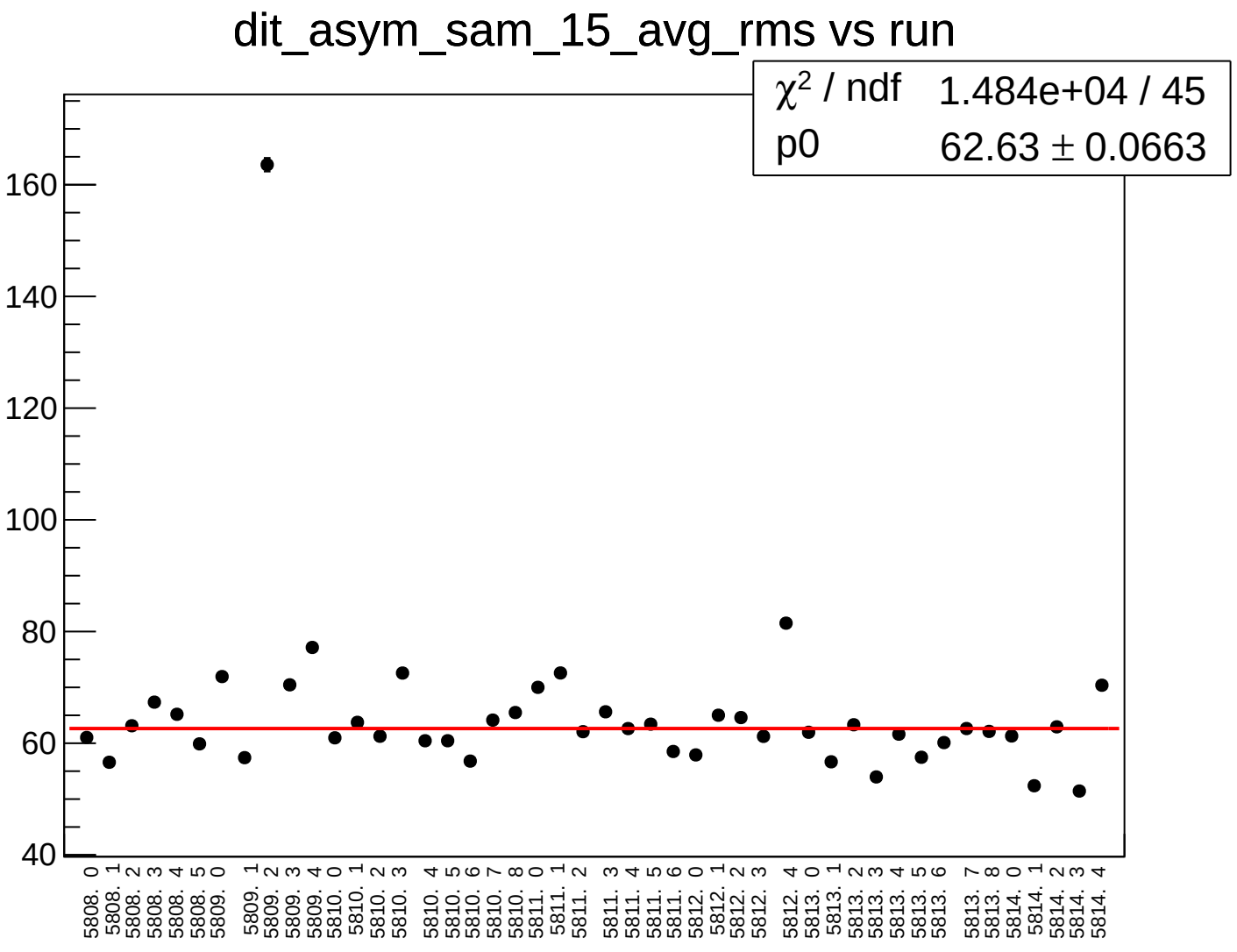

asym_sam8_mean vs run
χ² / ndf 33.97 / 45
p0 20.36 ± 175.9
pull
Entries 46
Mean −560.4
Std Dev 586.4

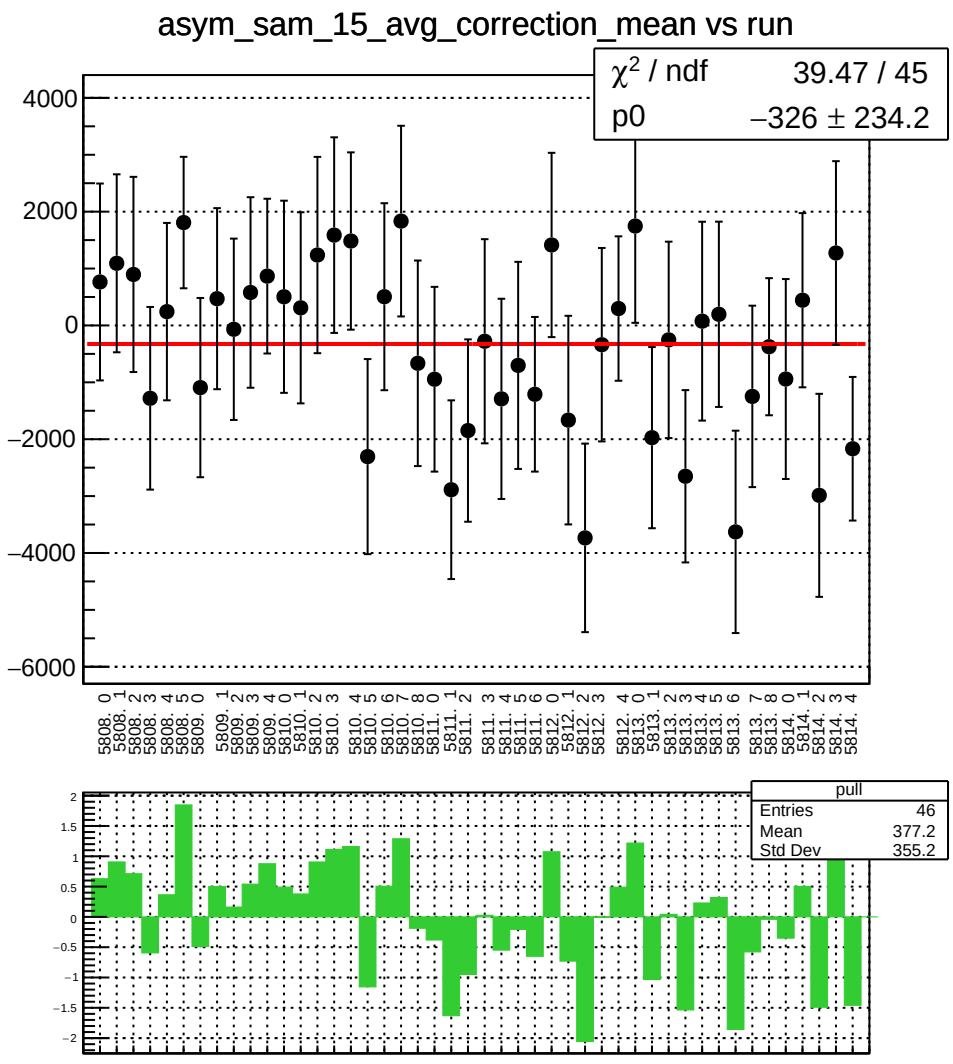

pull1D
Entries 46
Mean 0.003615
Std Dev 0.8594

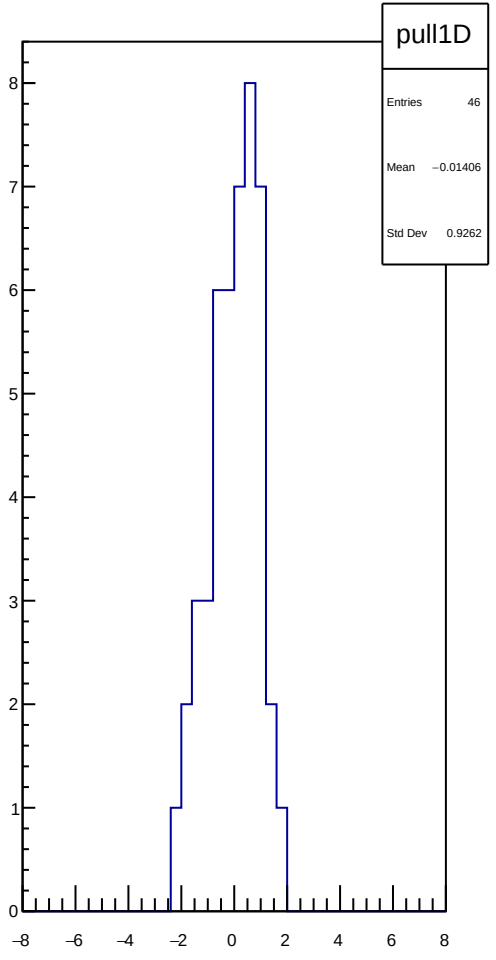

asym_sam8_rms vs run
χ² / ndf 5467 / 45
p0 118.1 ± 0.1244
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

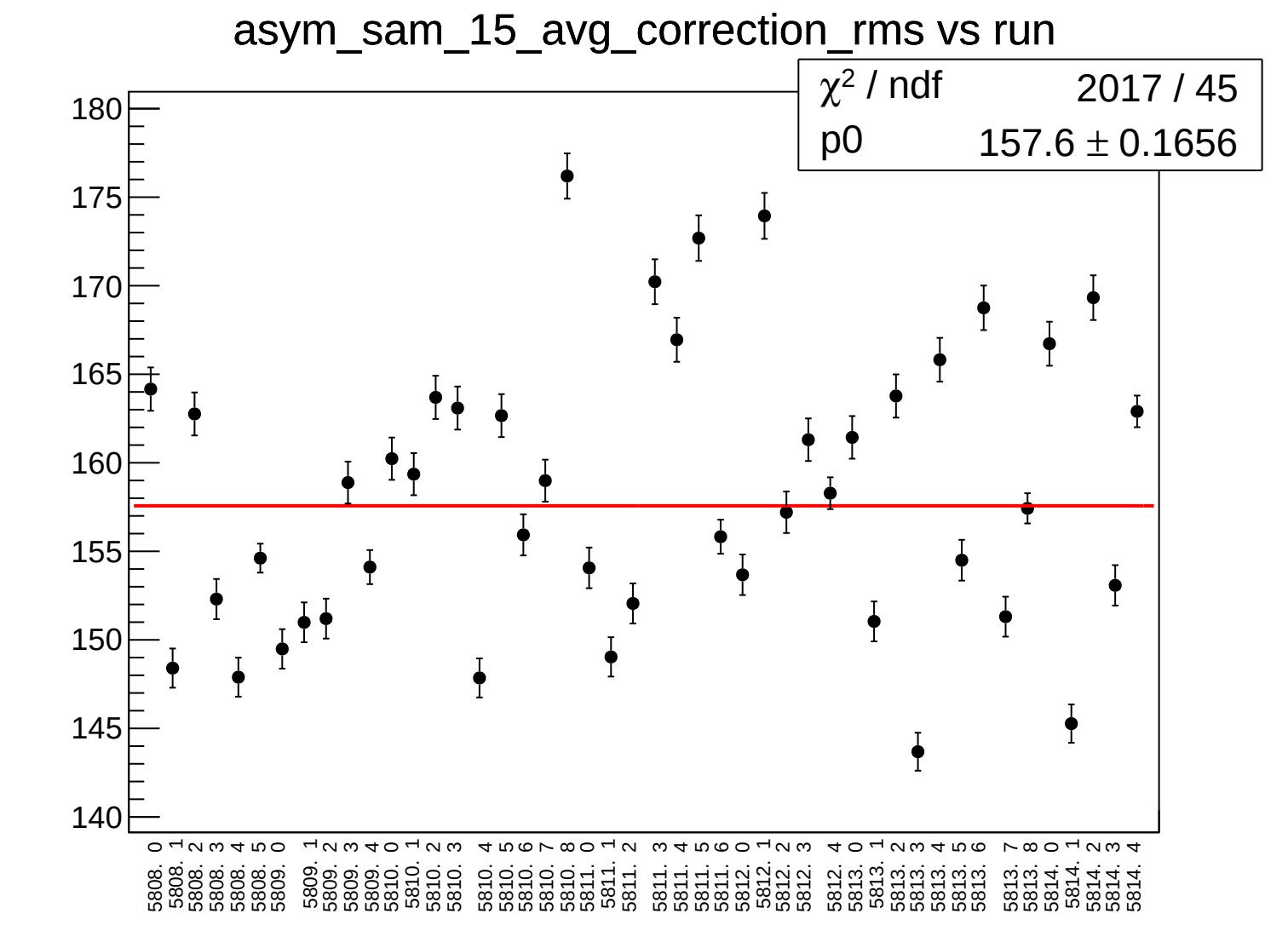

dit_asym_sam_15_avg_mean vs run
χ² / ndf 44.57 / 45
p0 −177.1± 93.76
pull
Entries 46
Mean −36.48
Std Dev 64.14

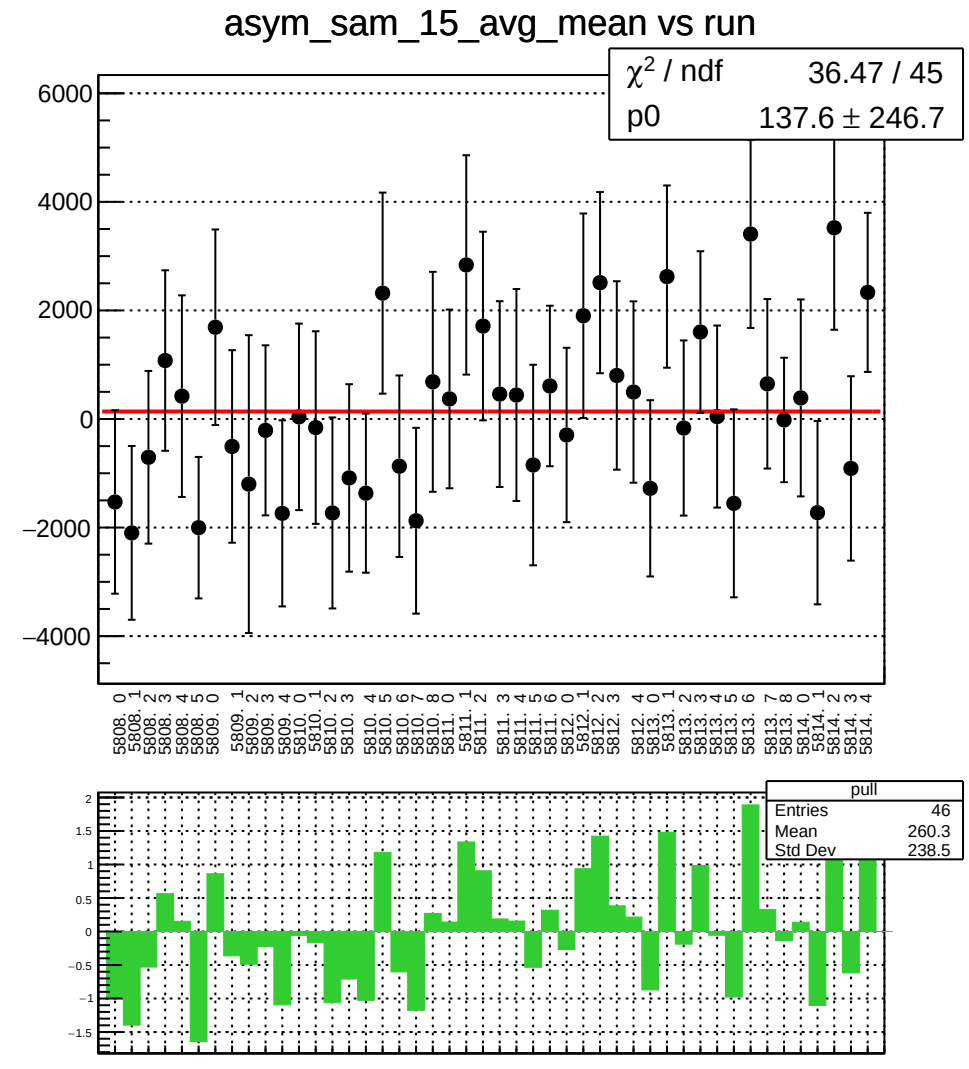

pull1D
Entries 46
Mean 0.01304
Std Dev 0.9842

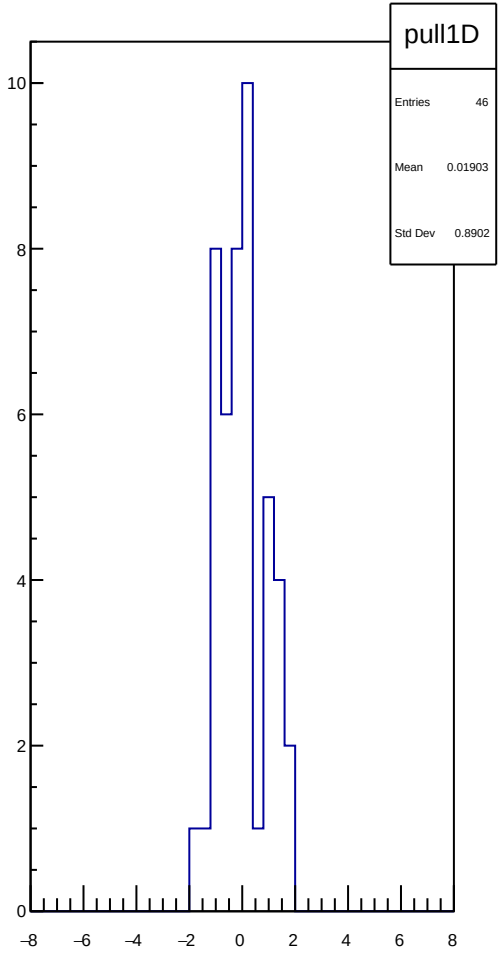

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.484e+04 / 45
p0 62.63 ± 0.0663
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

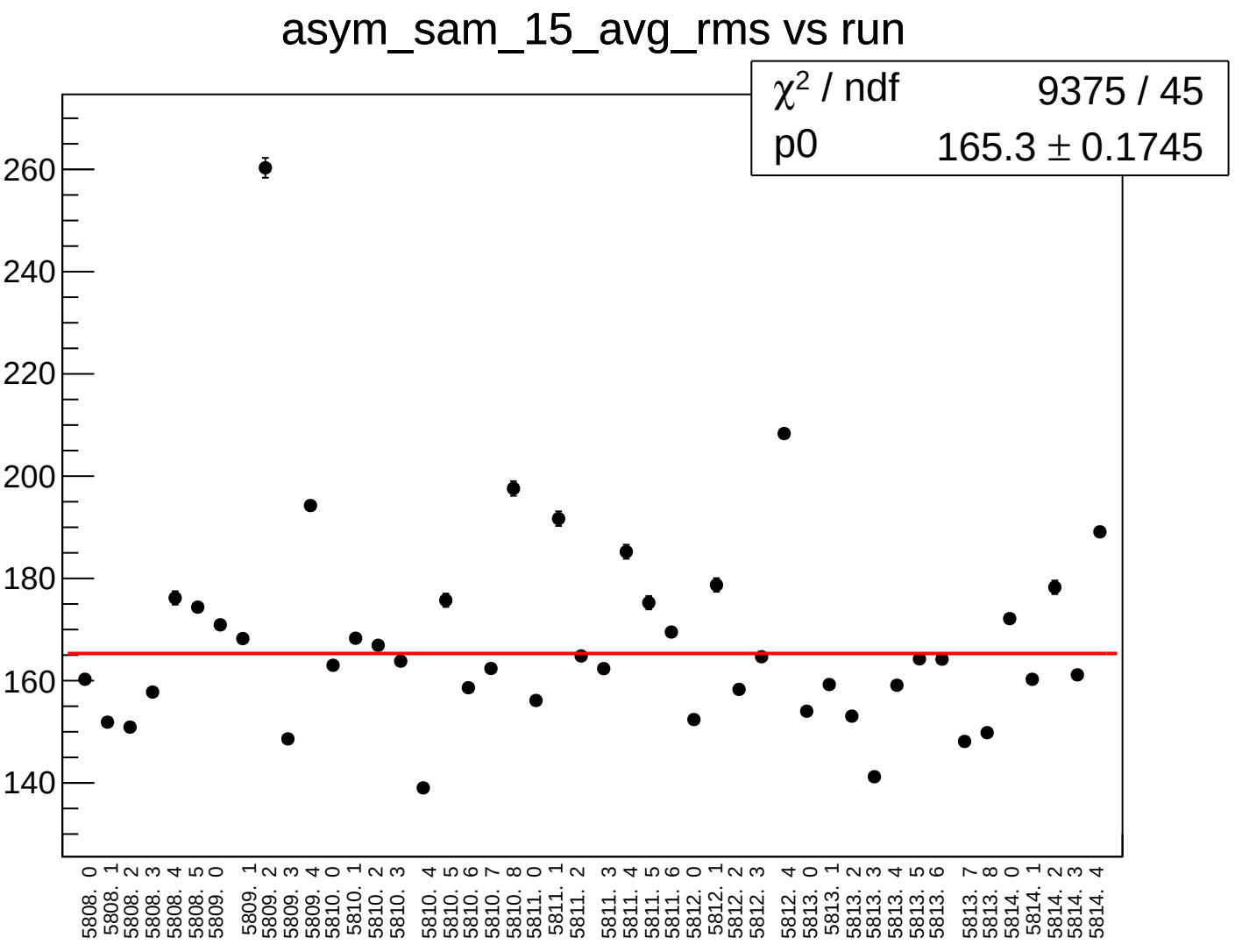

asym_sam_15_avg_correction_mean vs run
χ² / ndf 39.47 / 45
p0 −326 ± 234.2
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 377.2
Std Dev 355.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

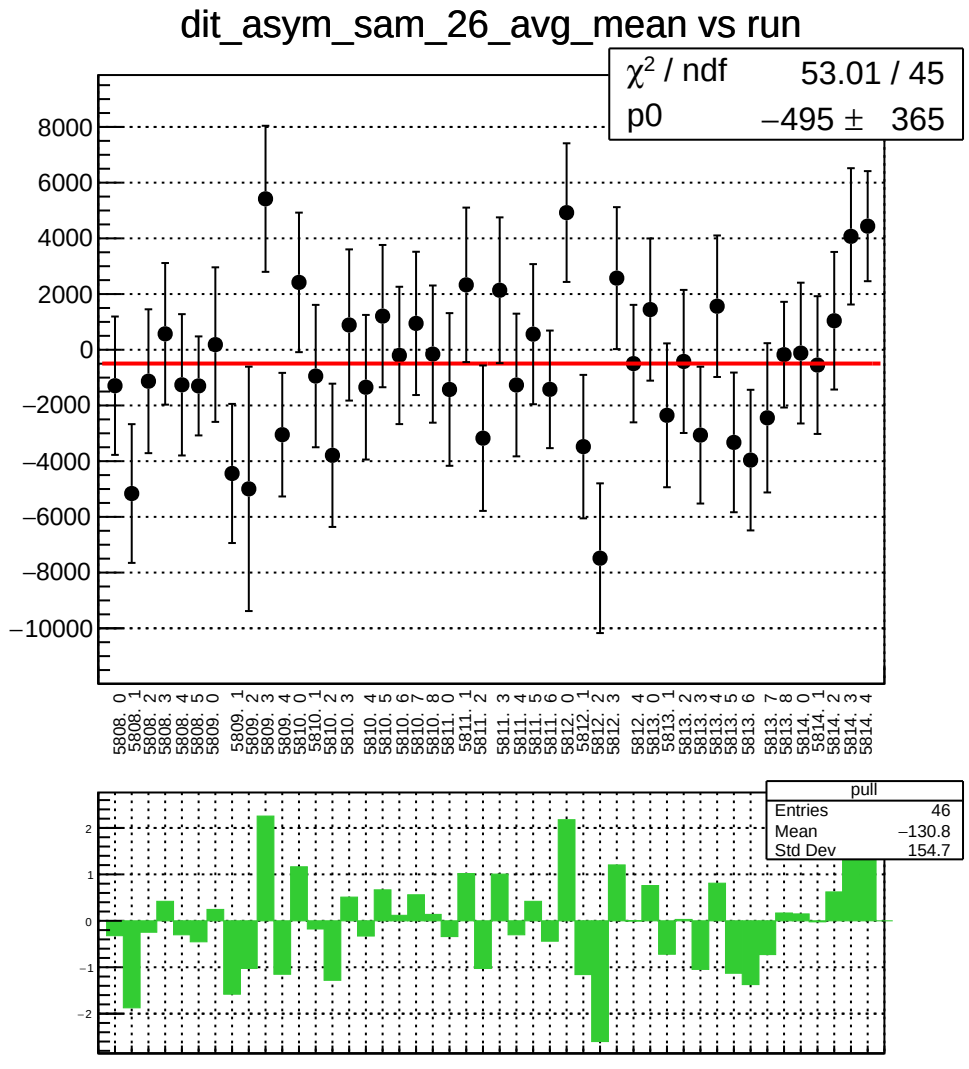

pull1D
Entries 46
Mean −0.01406
Std Dev 0.9262
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

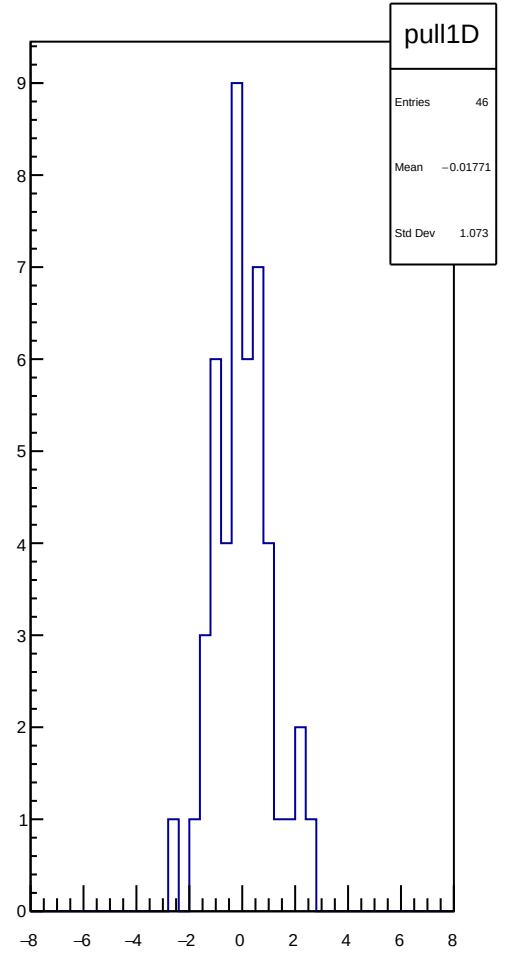

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2017 / 45
p0 157.6 ± 0.1656
180
175
170
165
160
155
150
145
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

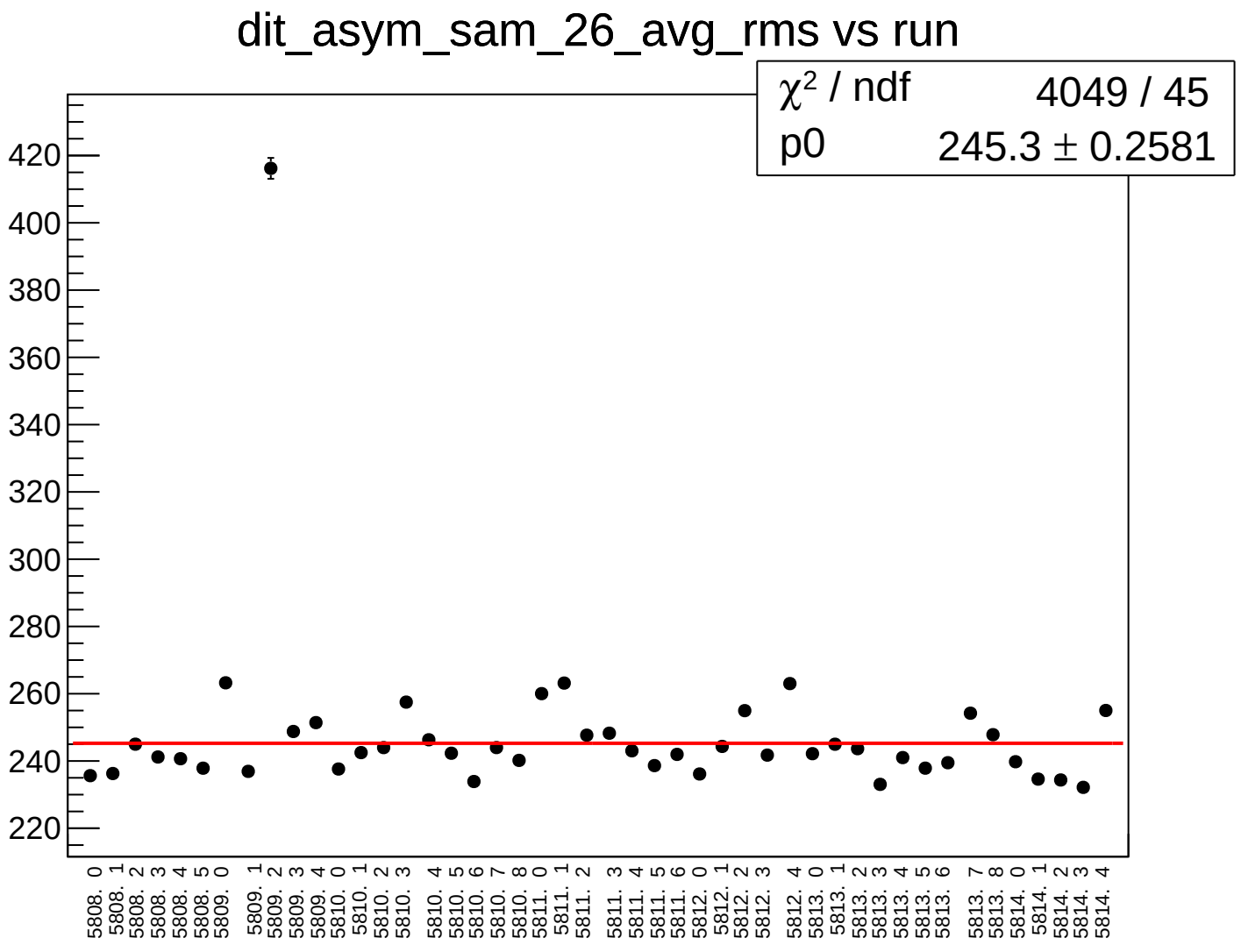

asym_sam_15_avg_mean vs run
χ² / ndf 36.47 / 45
p0 137.6 ± 246.7
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 260.3
Std Dev 238.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

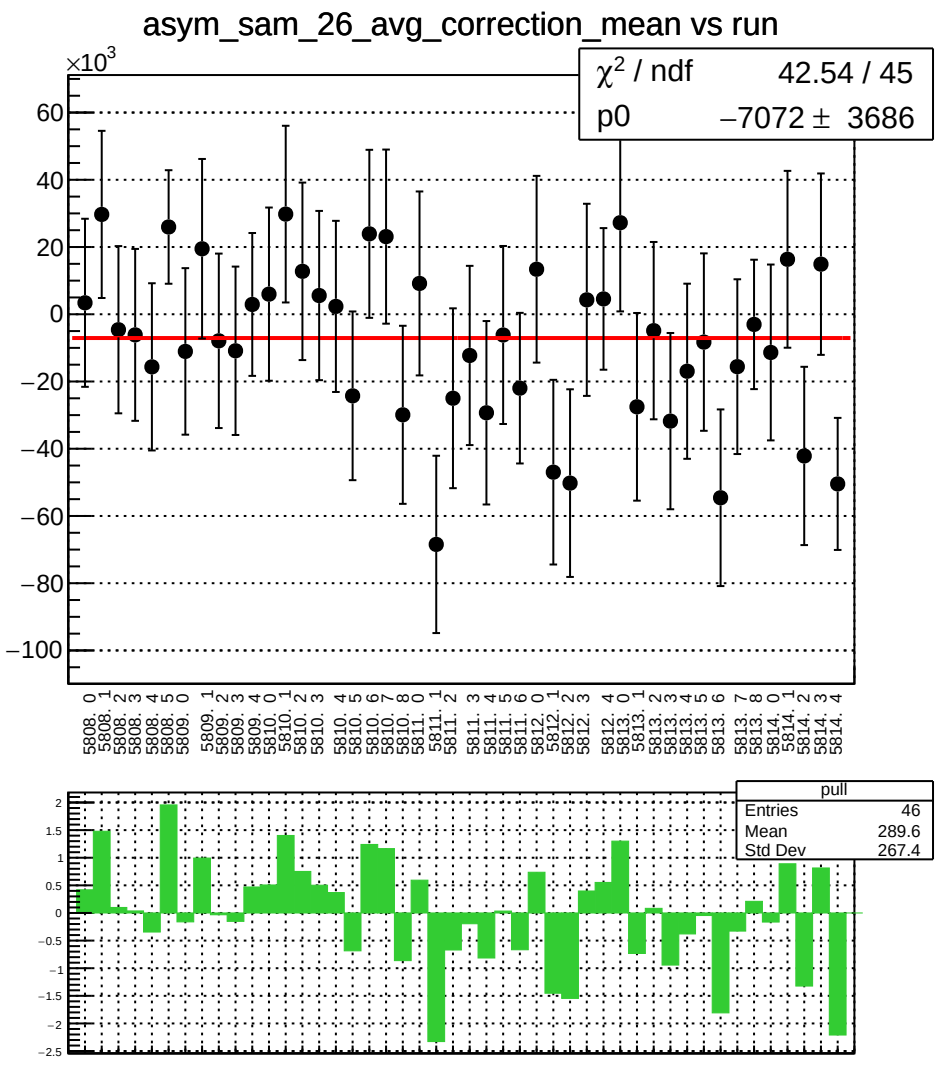

pull1D
Entries 46
Mean 0.01903
Std Dev 0.8902
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

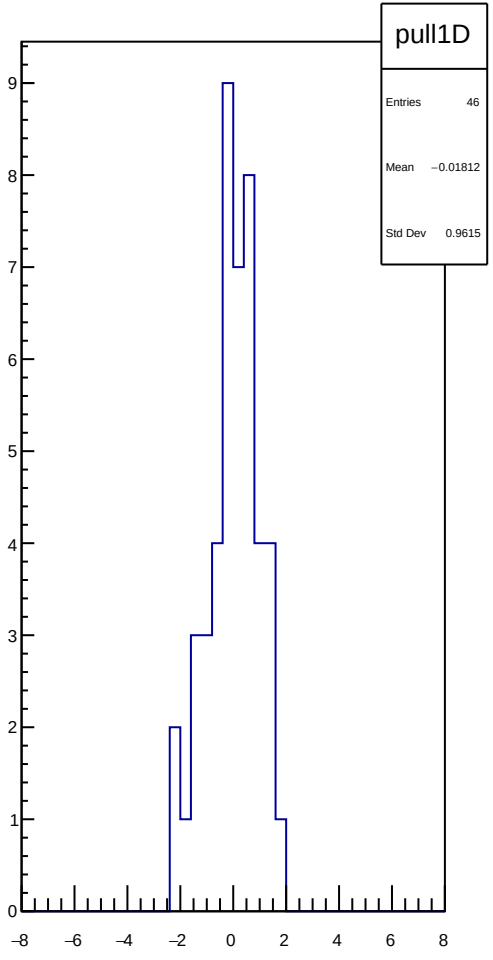

asym_sam_15_avg_rms vs run
χ² / ndf 9375 / 45
p0 165.3 ± 0.1745
260
240
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


dit_asym_sam_26_avg_mean vs run
χ² / ndf 53.01 / 45
p0 −495 ± 365
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −130.8
Std Dev 154.7
2
1
0
−1
−2


pull1D
Entries 46
Mean −0.01771
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_26_avg_rms vs run
χ² / ndf 4049 / 45
p0 245.3 ± 0.2581
420
400
380
360
340
320
300
280
260
240
220
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 42.54 / 45
p0 −7072 ± 3686
60
40
20
0
−20
−40
−60
−80
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 289.6
Std Dev 267.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 46
Mean −0.01812
Std Dev 0.9615
9
8
7
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5
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3
2
1
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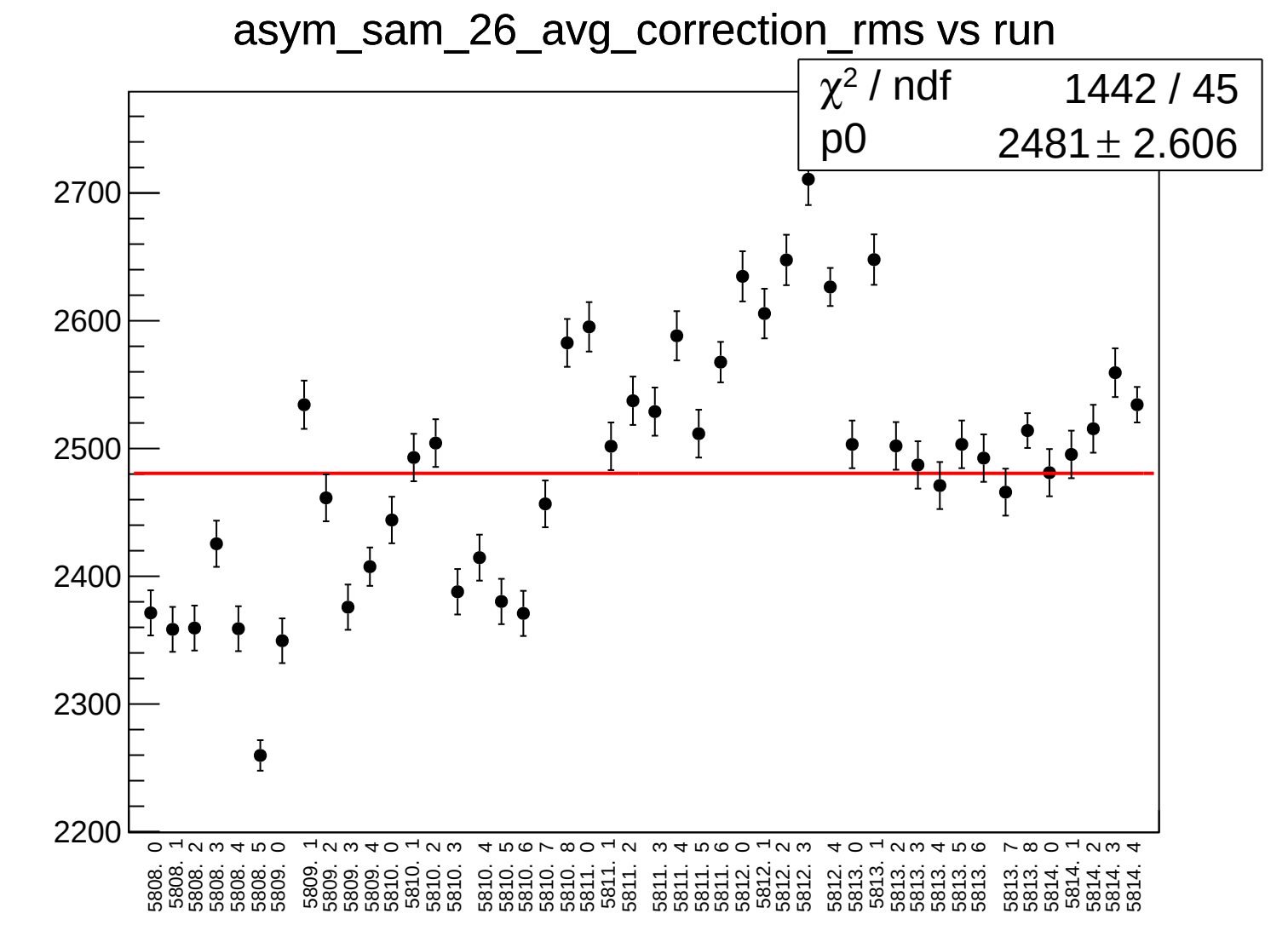
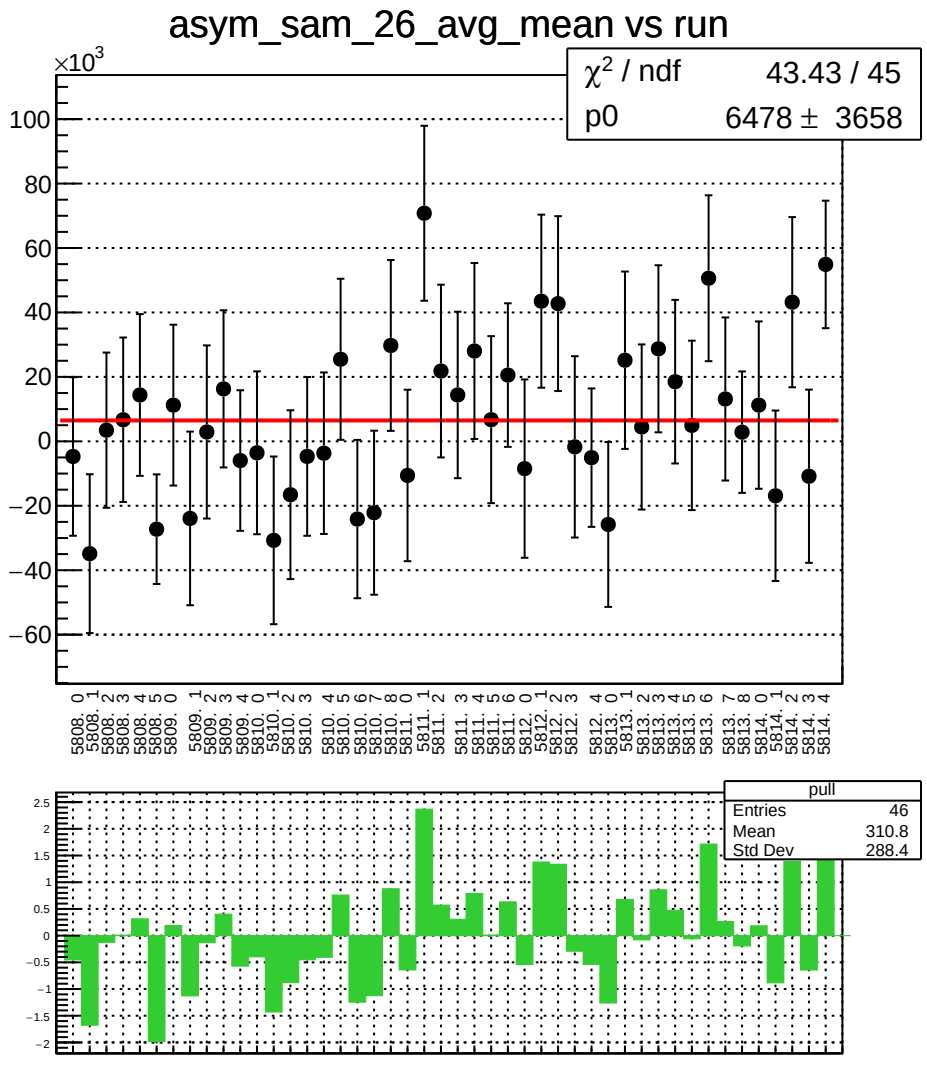
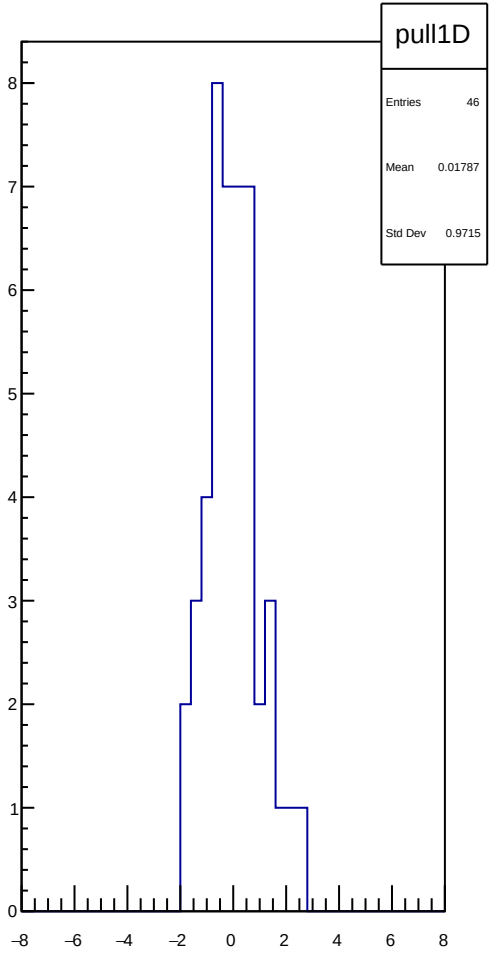
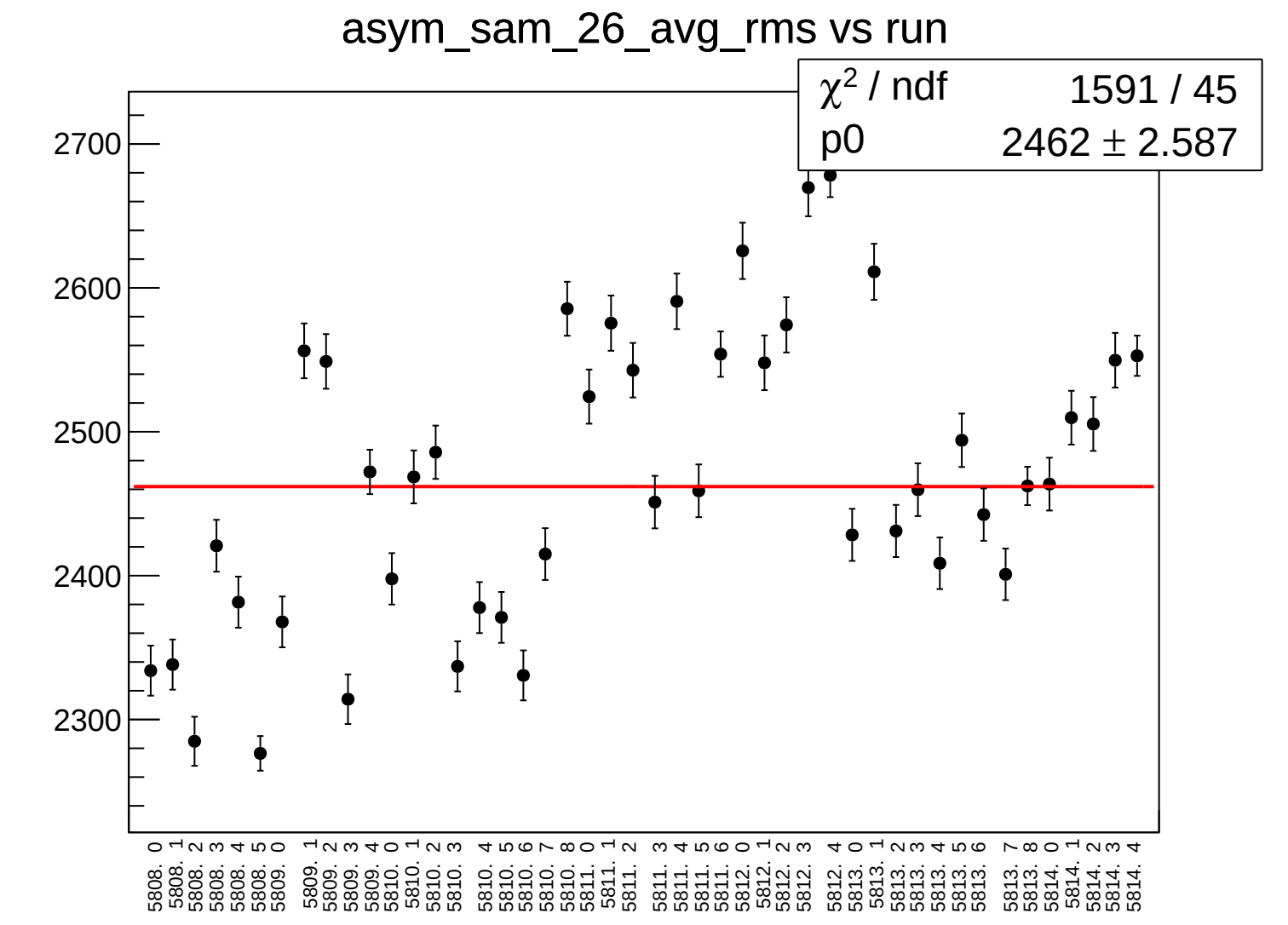
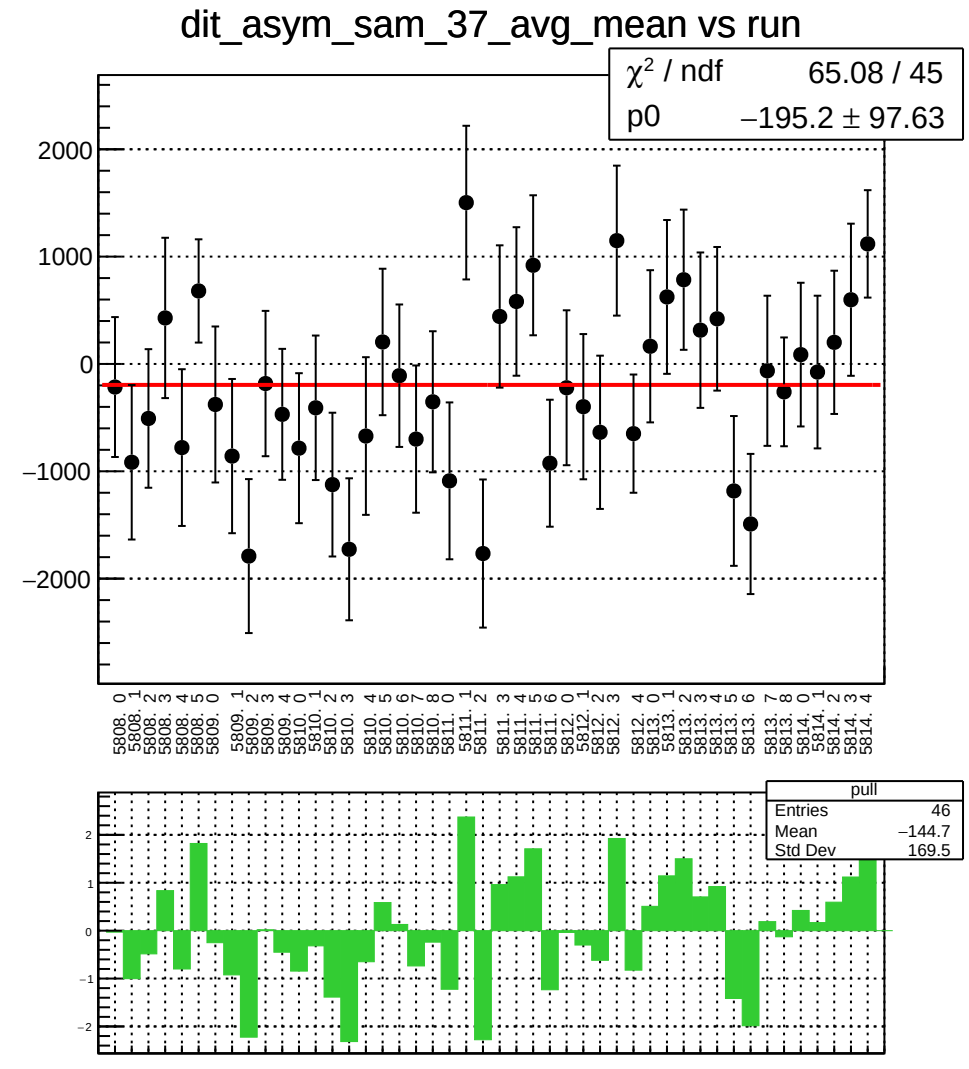
−8
−6
−4
−2
0
2
4
6
8

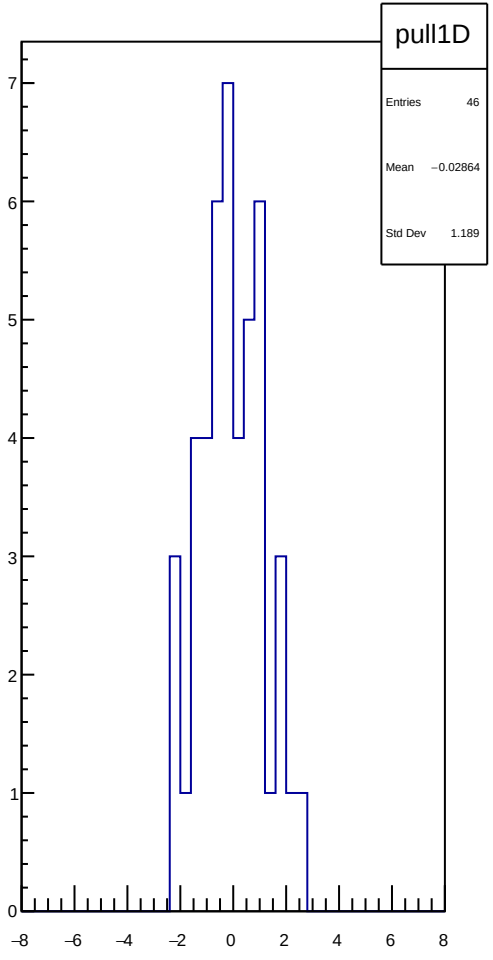

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1442 / 45
p0 2481 ± 2.606
2700
2600
2500
2400
2300
2200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

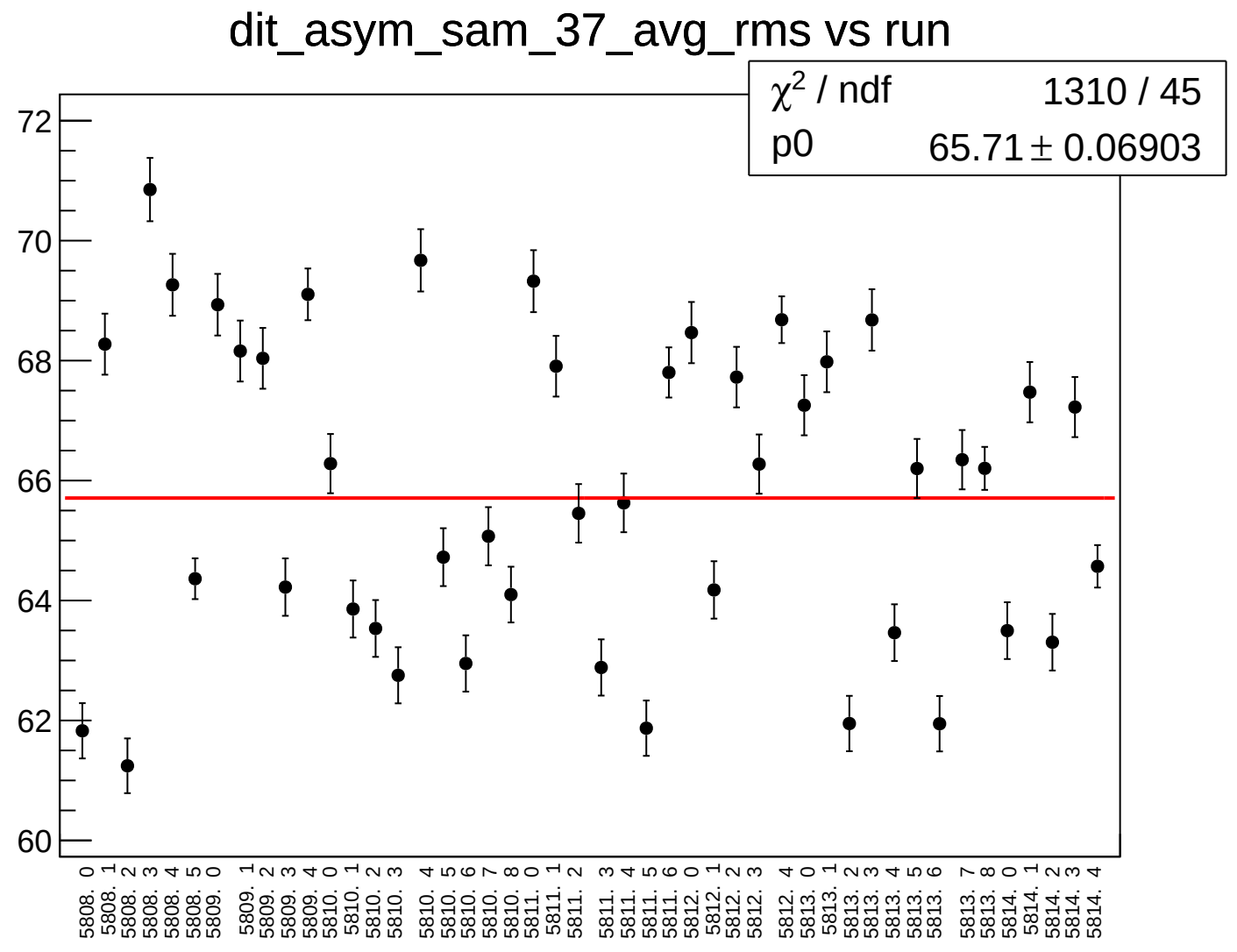

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 43.43 / 45
p0 6478 ± 3658
100
80
60
40
20
0
−20
−40
−60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 310.8
Std Dev 288.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

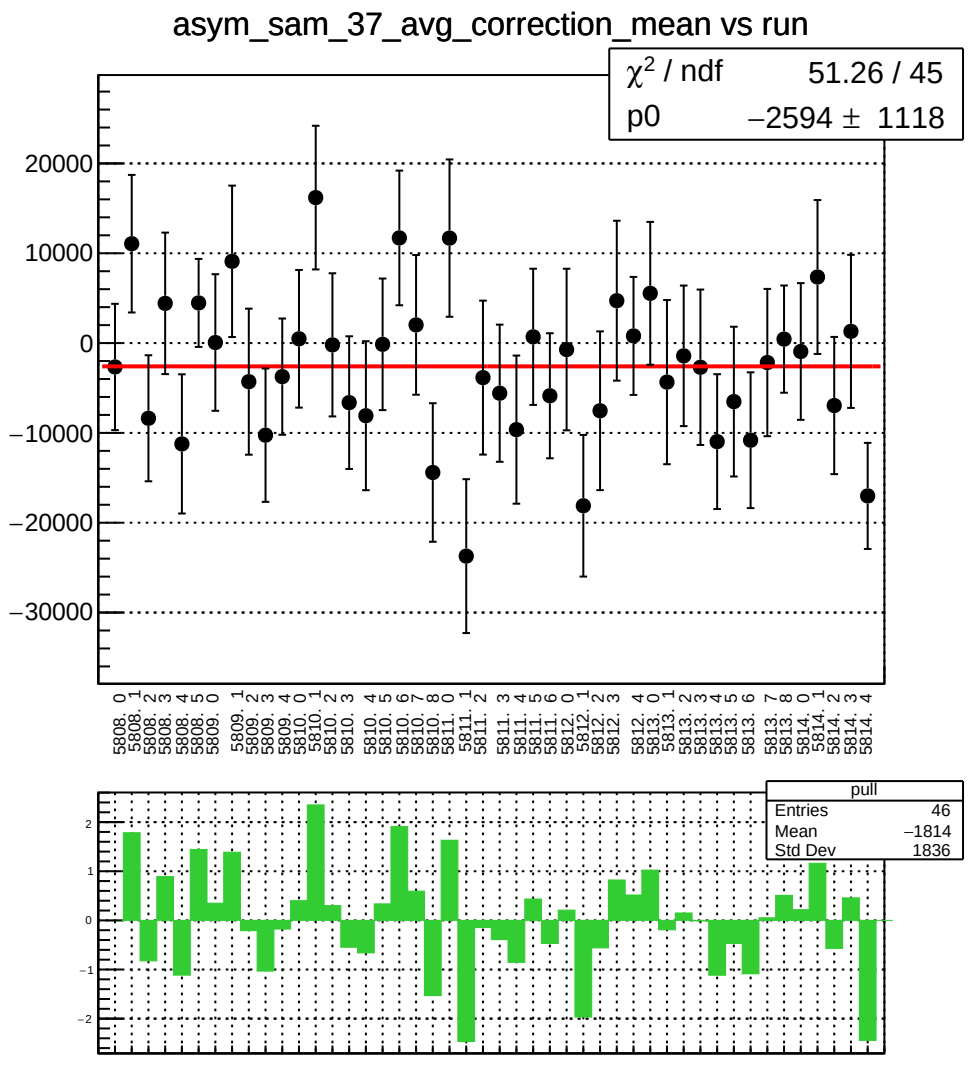

pull1D
Entries 46
Mean 0.01787
Std Dev 0.9715
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

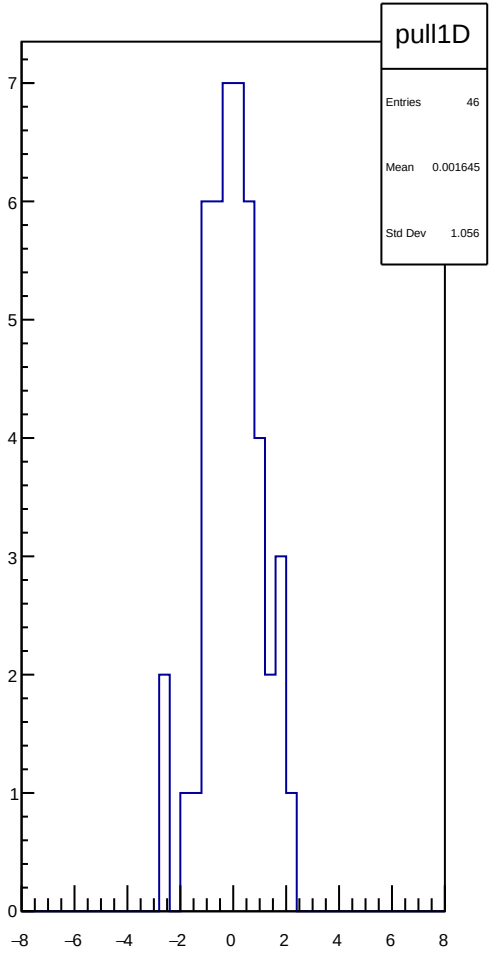

asym_sam_26_avg_rms vs run
χ² / ndf 1591 / 45
p0 2462 ± 2.587
2700
2600
2500
2400
2300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

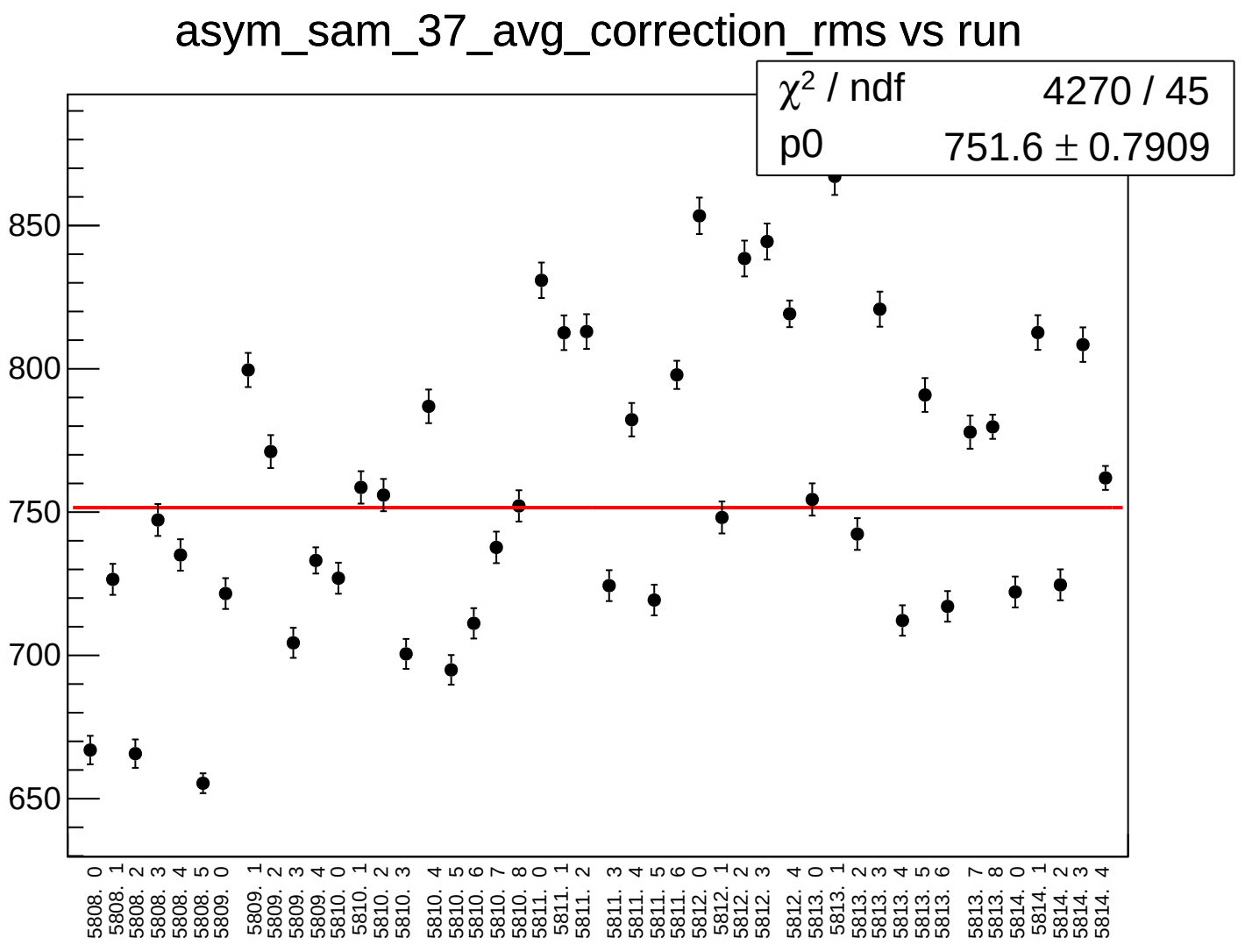

dit_asym_sam_37_avg_mean vs run
χ² / ndf 65.08 / 45
p0 −195.2 ± 97.63
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −144.7
Std Dev 169.5
2
1
0
−1
−2

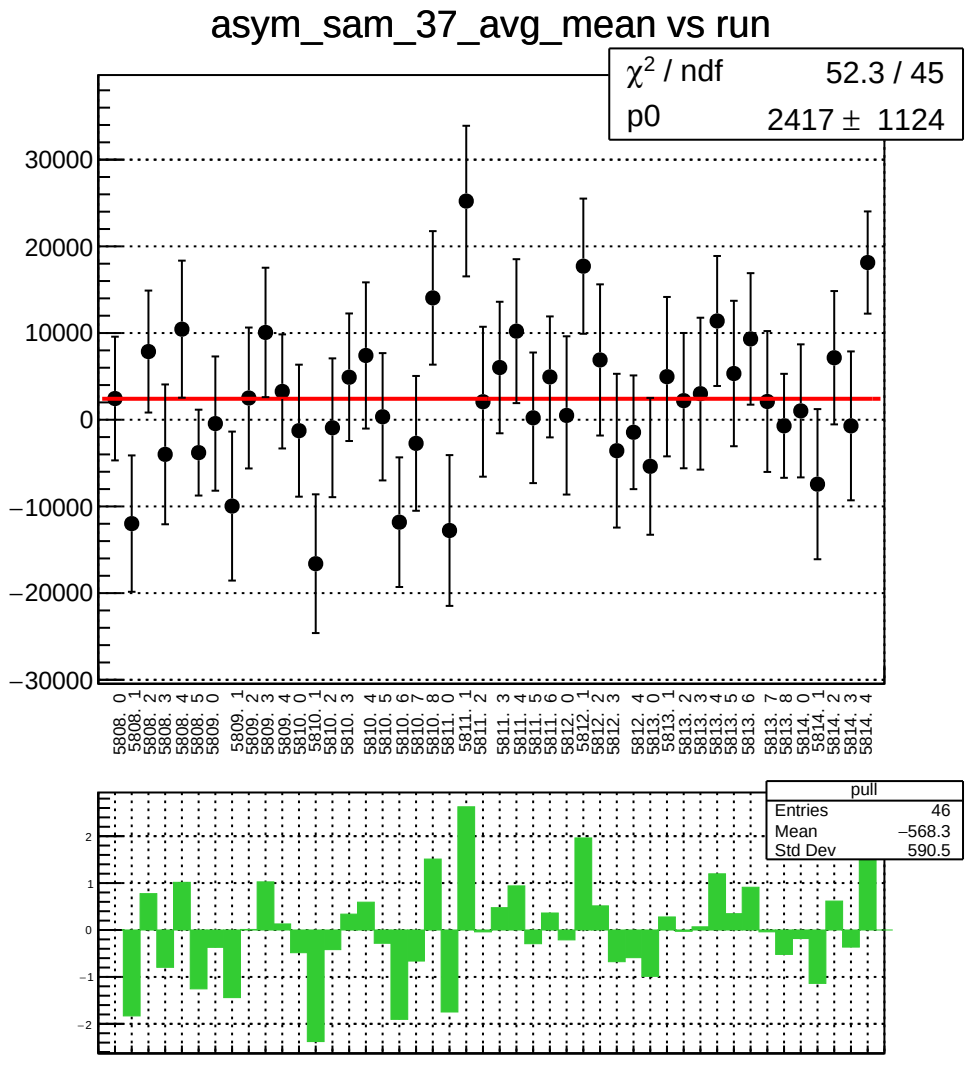

pull1D
Entries 46
Mean −0.02864
Std Dev 1.189
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

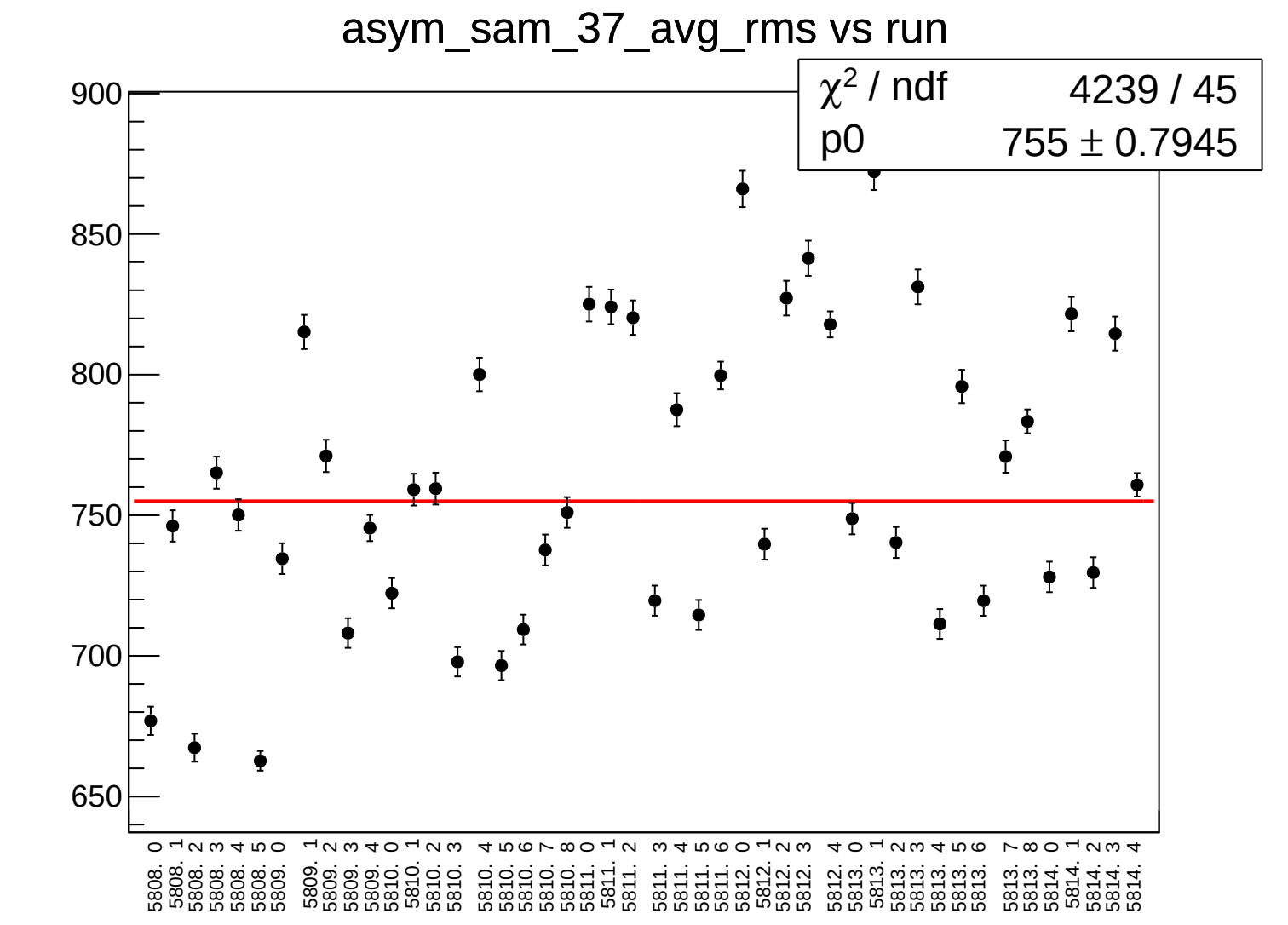

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1310 / 45
p0 65.71 ± 0.06903
72
70
68
66
64
62
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

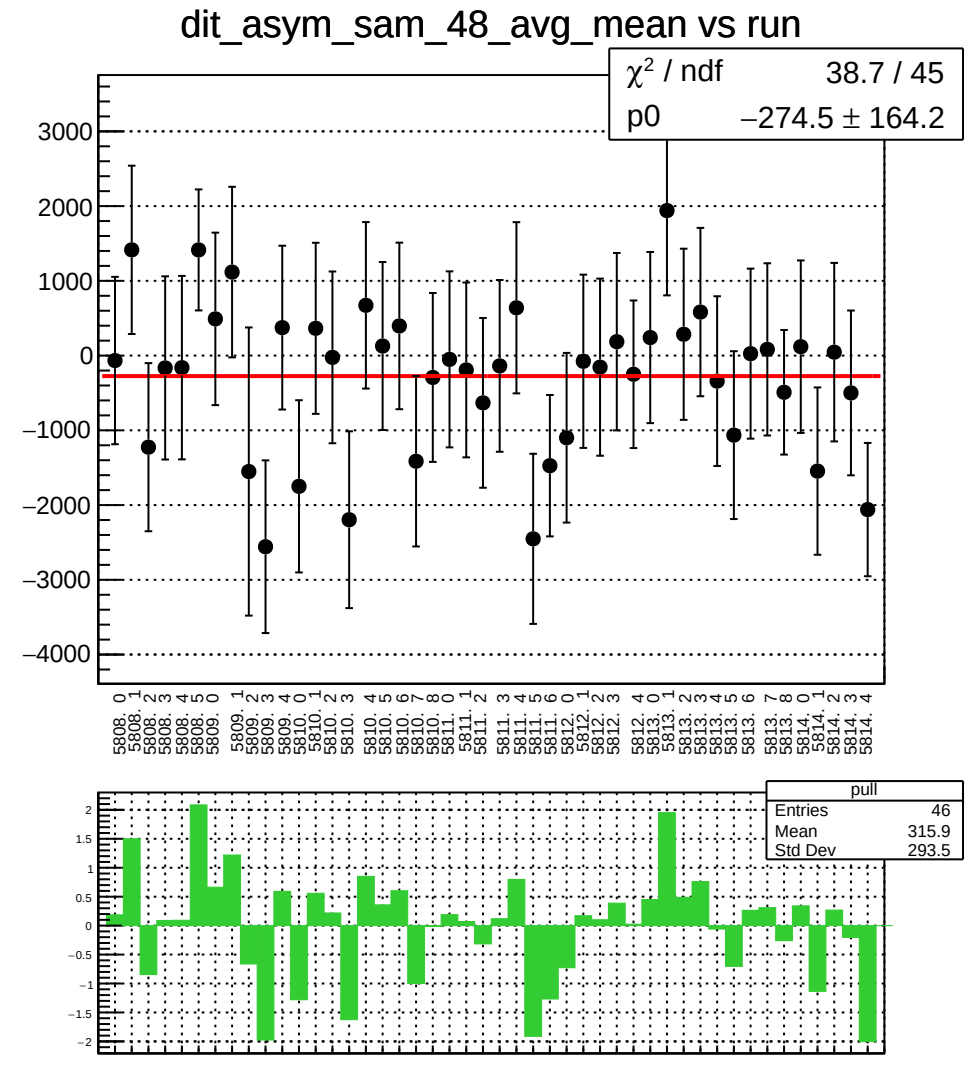

asym_sam_37_avg_correction_mean vs run
χ² / ndf 51.26 / 45
p0 −2594 ± 1118
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −1814
Std Dev 1836
2
1
0
−1
−2

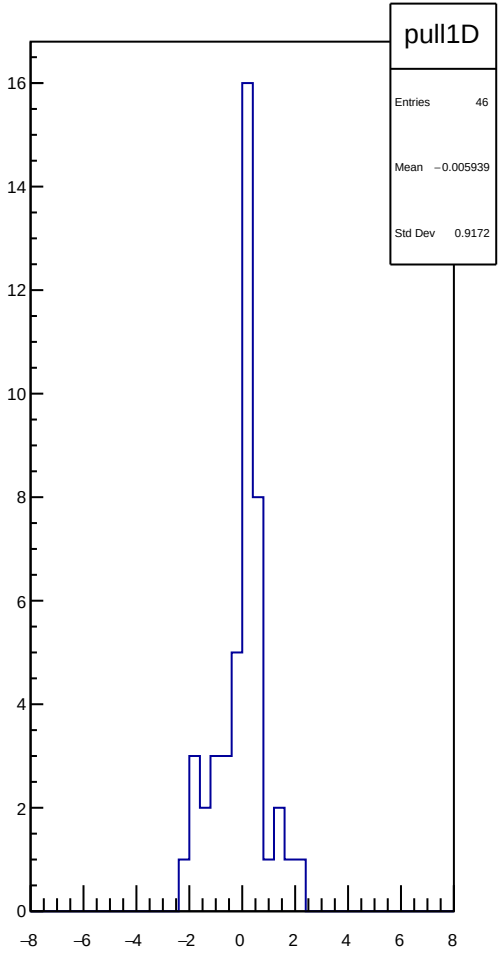

pull1D
Entries 46
Mean 0.001645
Std Dev 1.056
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

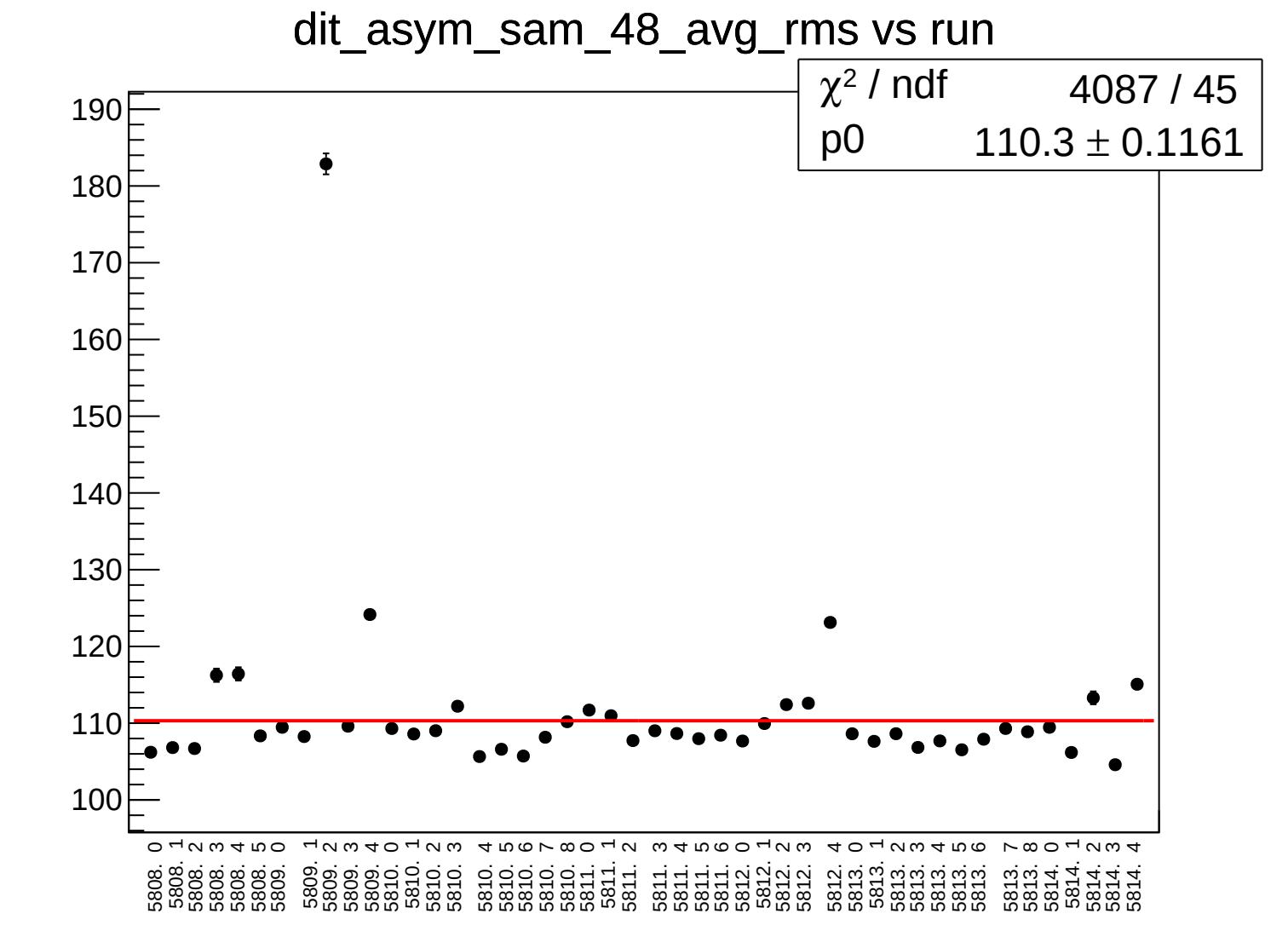

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4270 / 45
p0 751.6 ± 0.7909
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

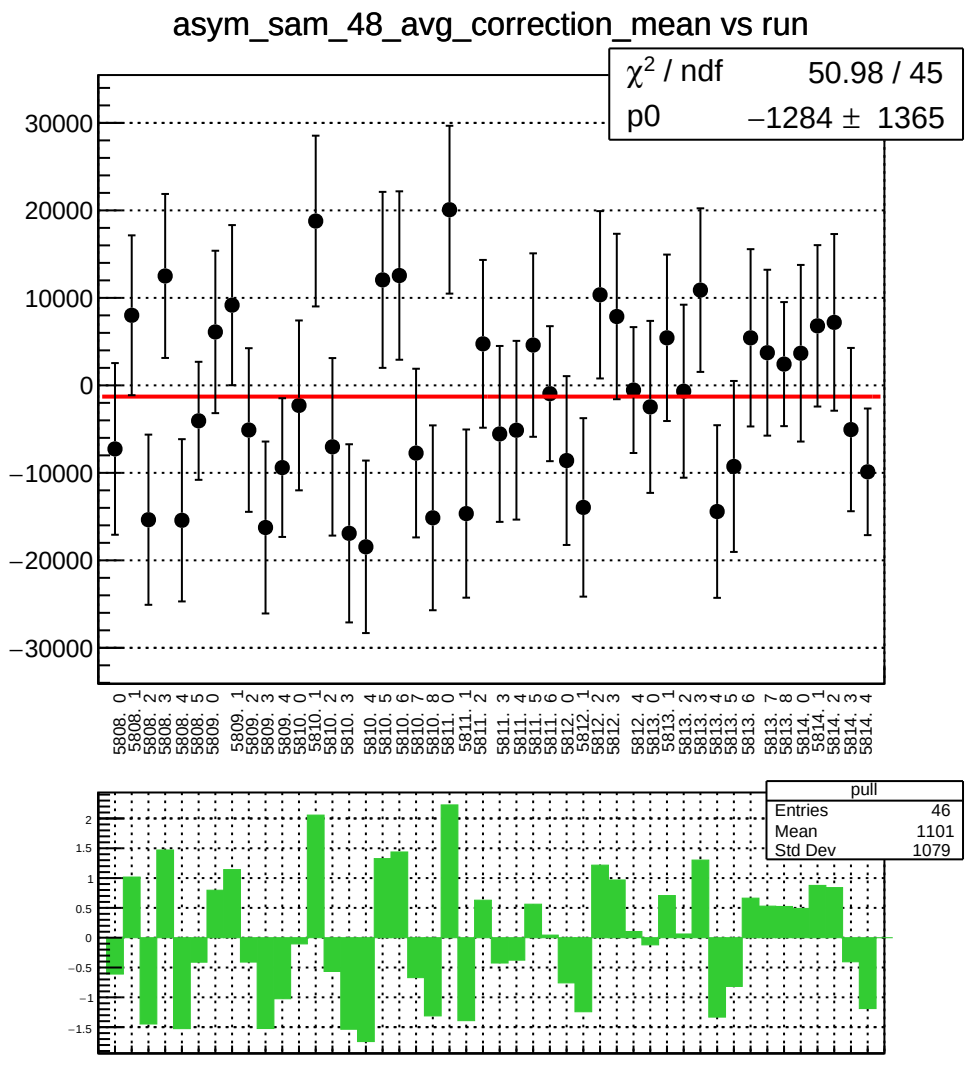

asym_sam_37_avg_mean vs run
χ² / ndf 52.3 / 45
p0 2417 ± 1124
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −568.3
Std Dev 590.5
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.005759
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

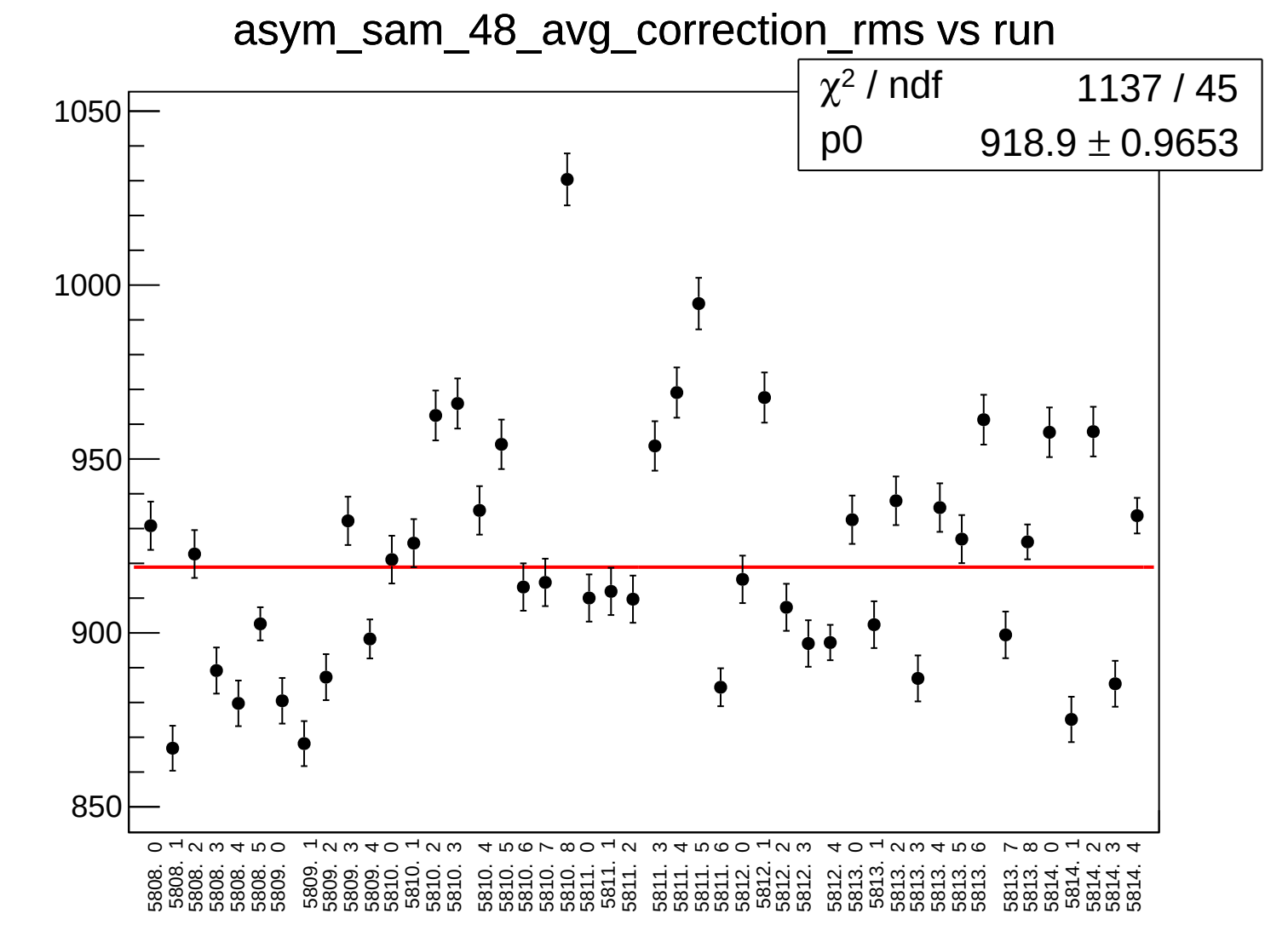

asym_sam_37_avg_rms vs run
χ² / ndf 4239 / 45
p0 755 ± 0.7945
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

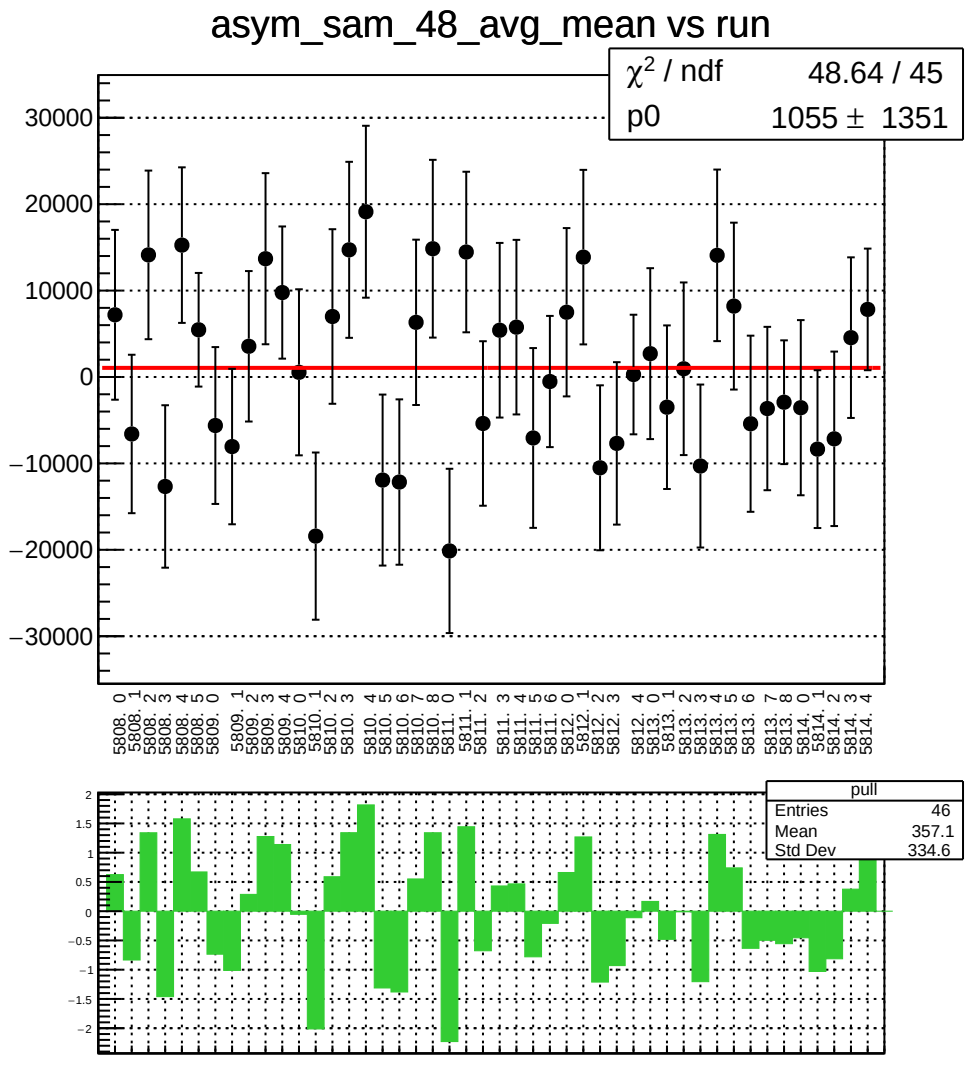

dit_asym_sam_48_avg_mean vs run
χ² / ndf 38.7 / 45
p0 −274.5 ± 164.2
pull
Entries 46
Mean 315.9
Std Dev 293.5

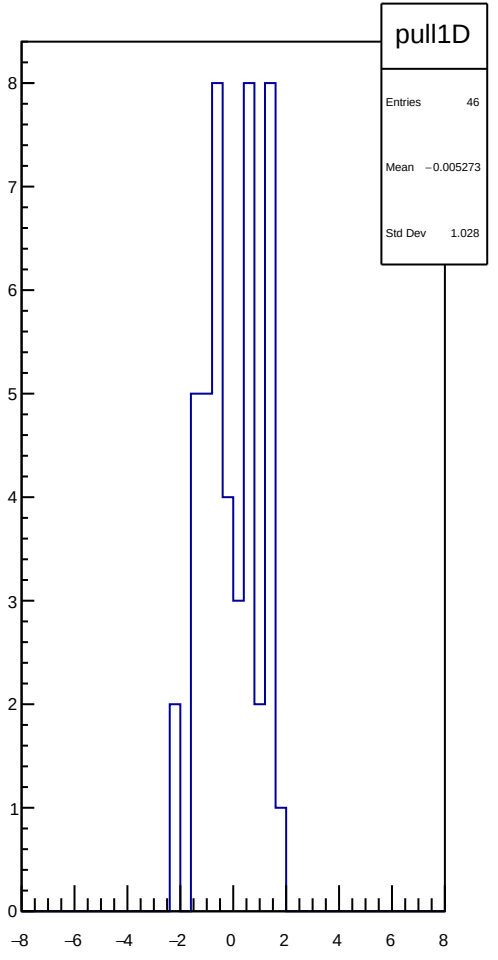

pull1D
Entries 46
Mean −0.005939
Std Dev 0.9172

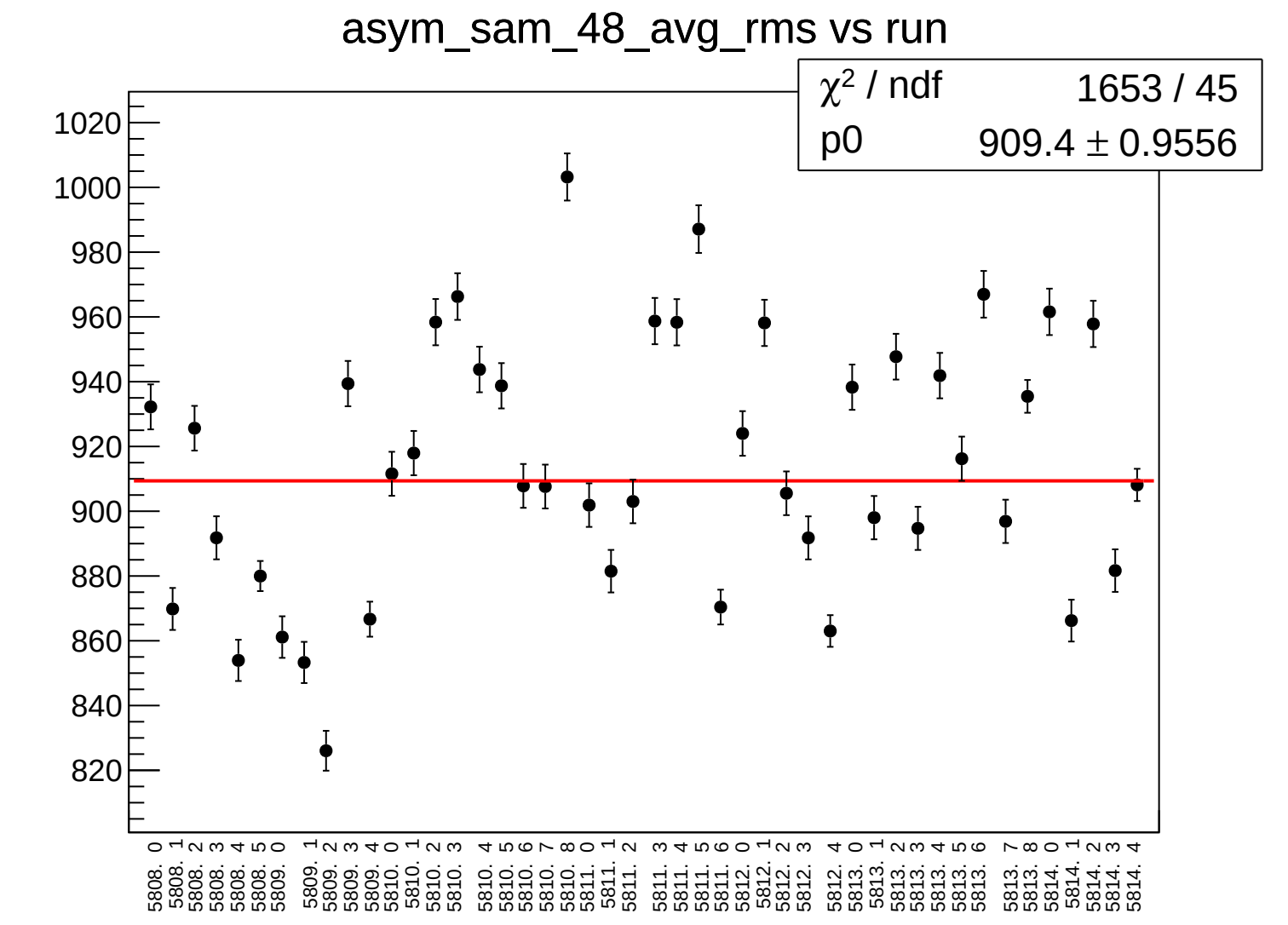

dit_asym_sam_48_avg_rms vs run
χ² / ndf 4087 / 45
p0 110.3 ± 0.1161
190
180
170
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

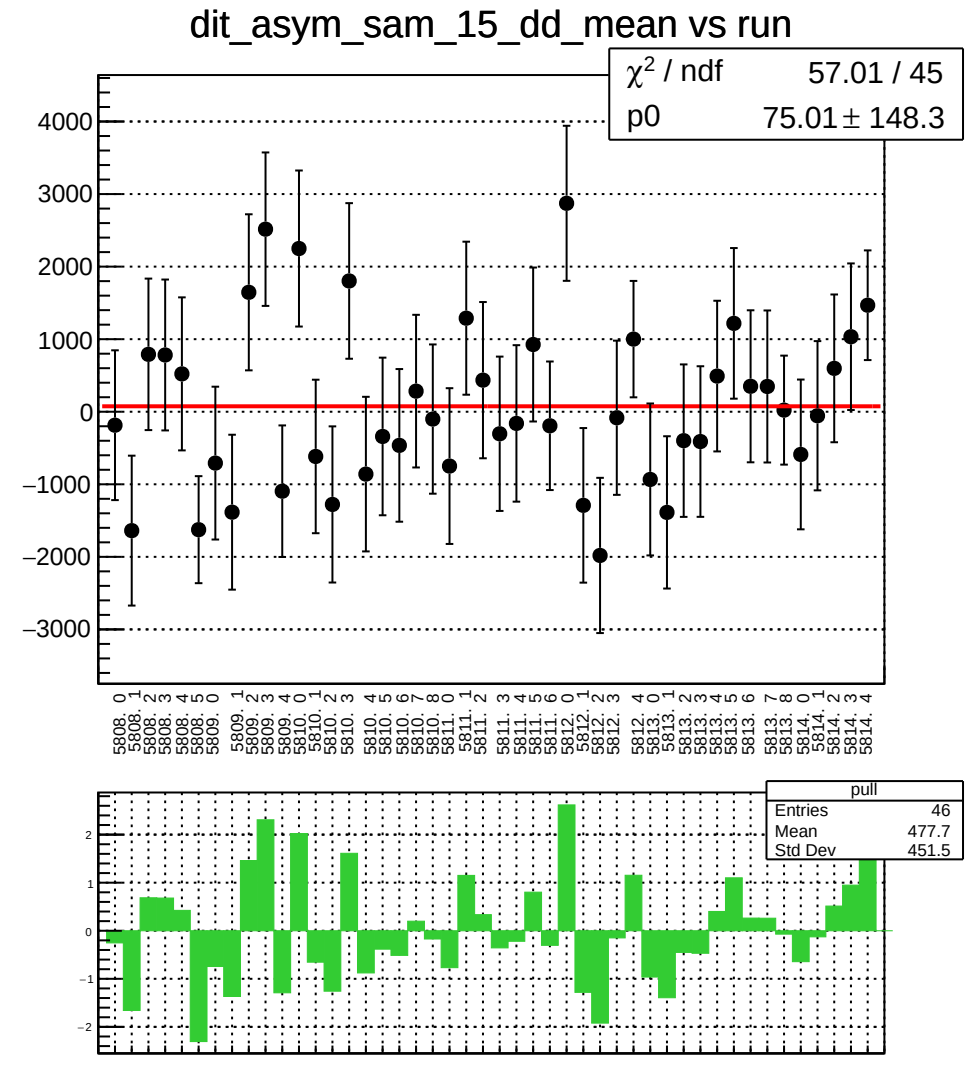

asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 50.98 / 45
p0 −1284 ± 1365
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1101
Std Dev 1079
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.001436
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

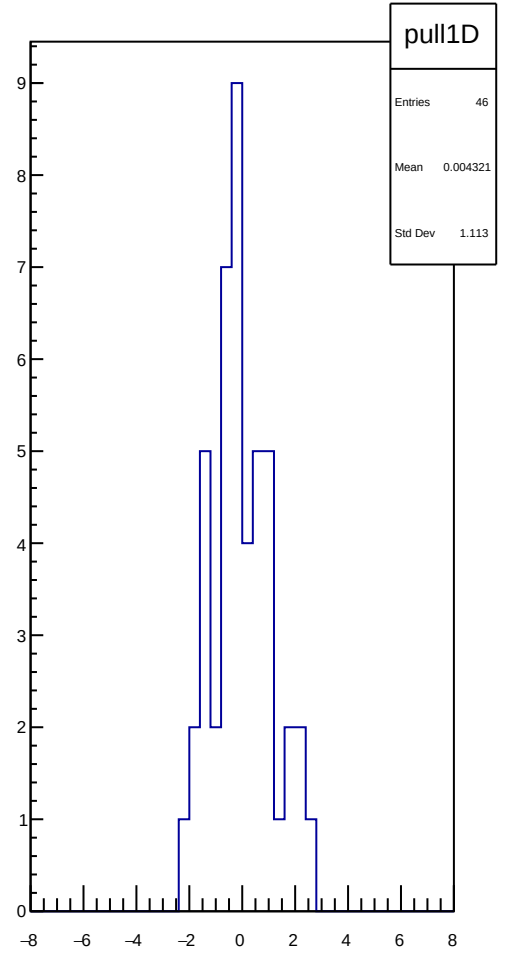

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1137 / 45
p0 918.9 ± 0.9653
1050
1000
950
900
850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

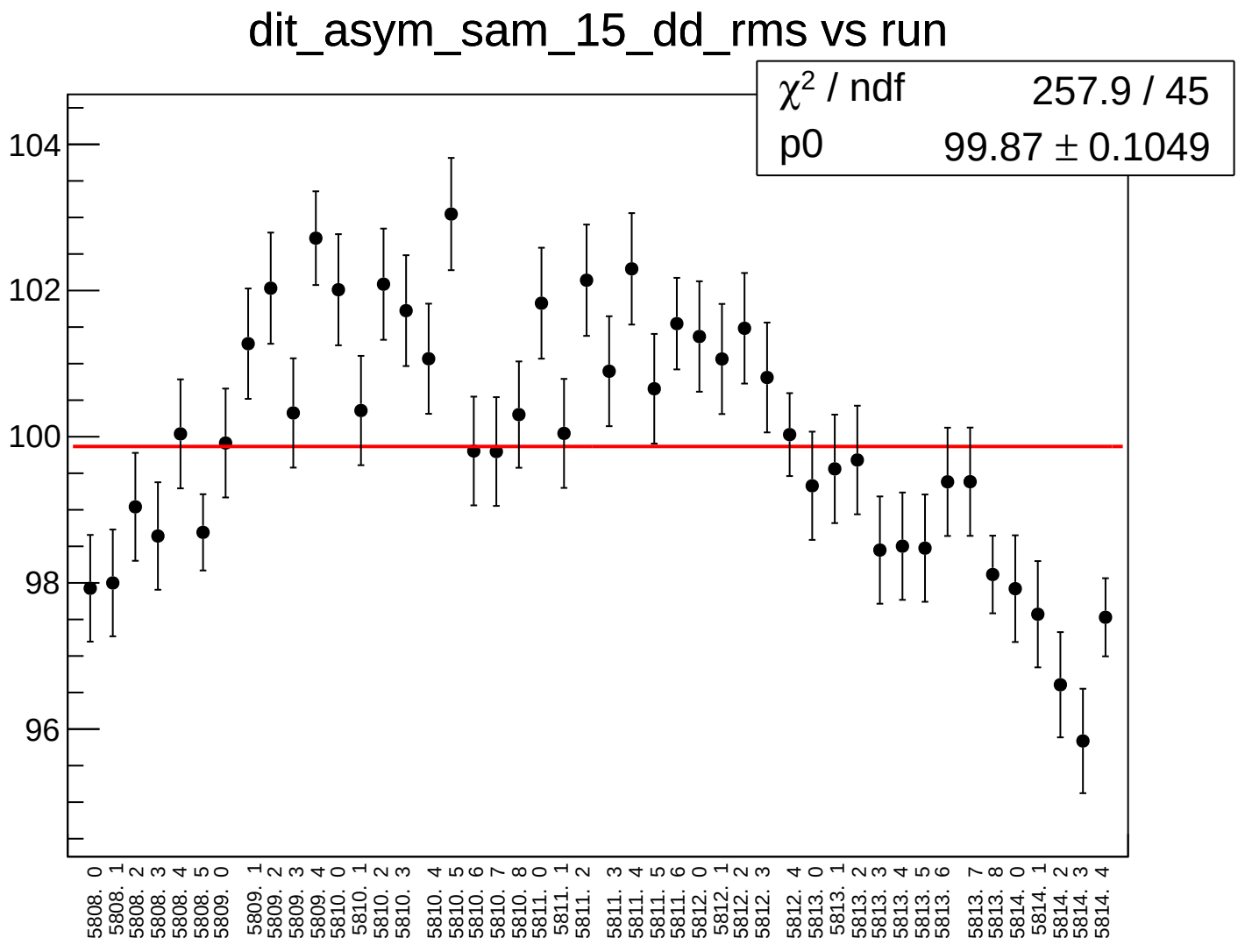

asym_sam_48_avg_mean vs run
χ² / ndf 48.64 / 45
p0 1055 ± 1351
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 357.1
Std Dev 334.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

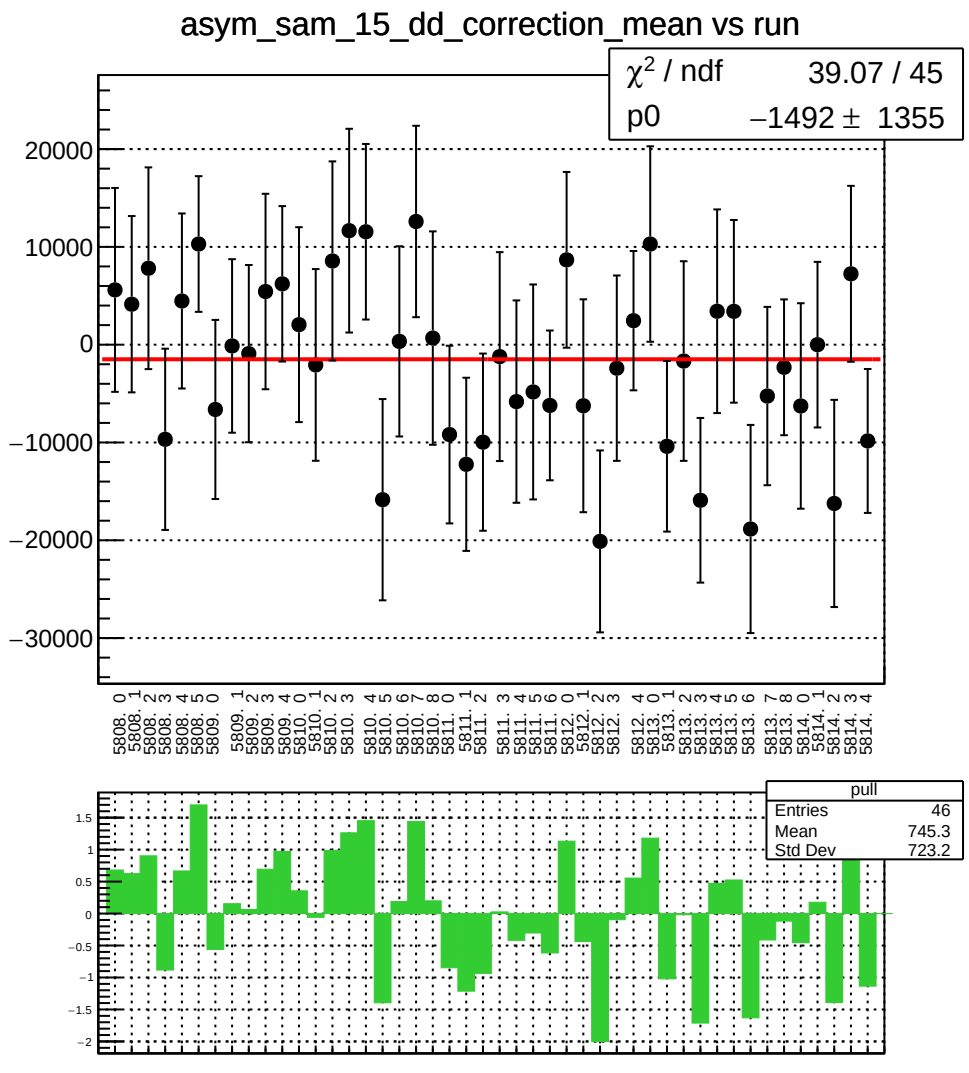

pull1D
Entries 46
Mean −0.005273
Std Dev 1.028
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

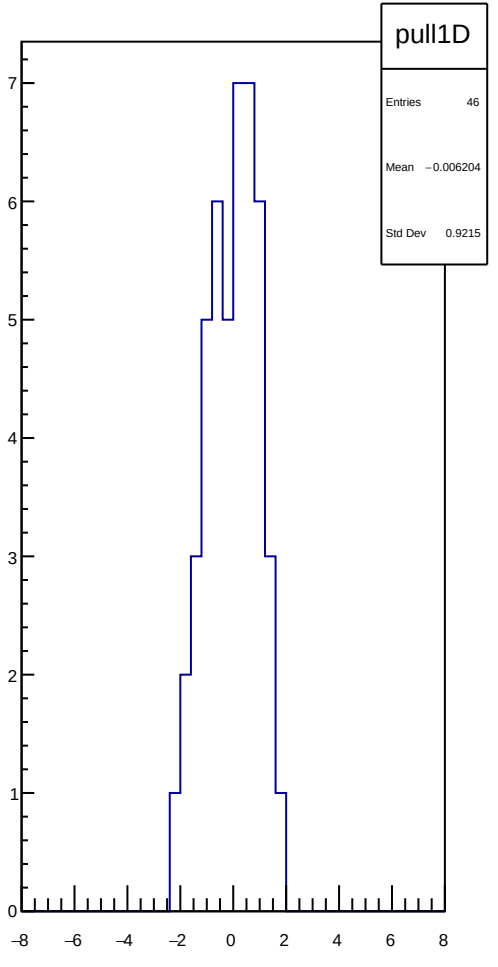

asym_sam_48_avg_rms vs run
χ² / ndf 1653 / 45
p0 909.4 ± 0.9556
1020
1000
980
960
940
920
900
880
860
840
820
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

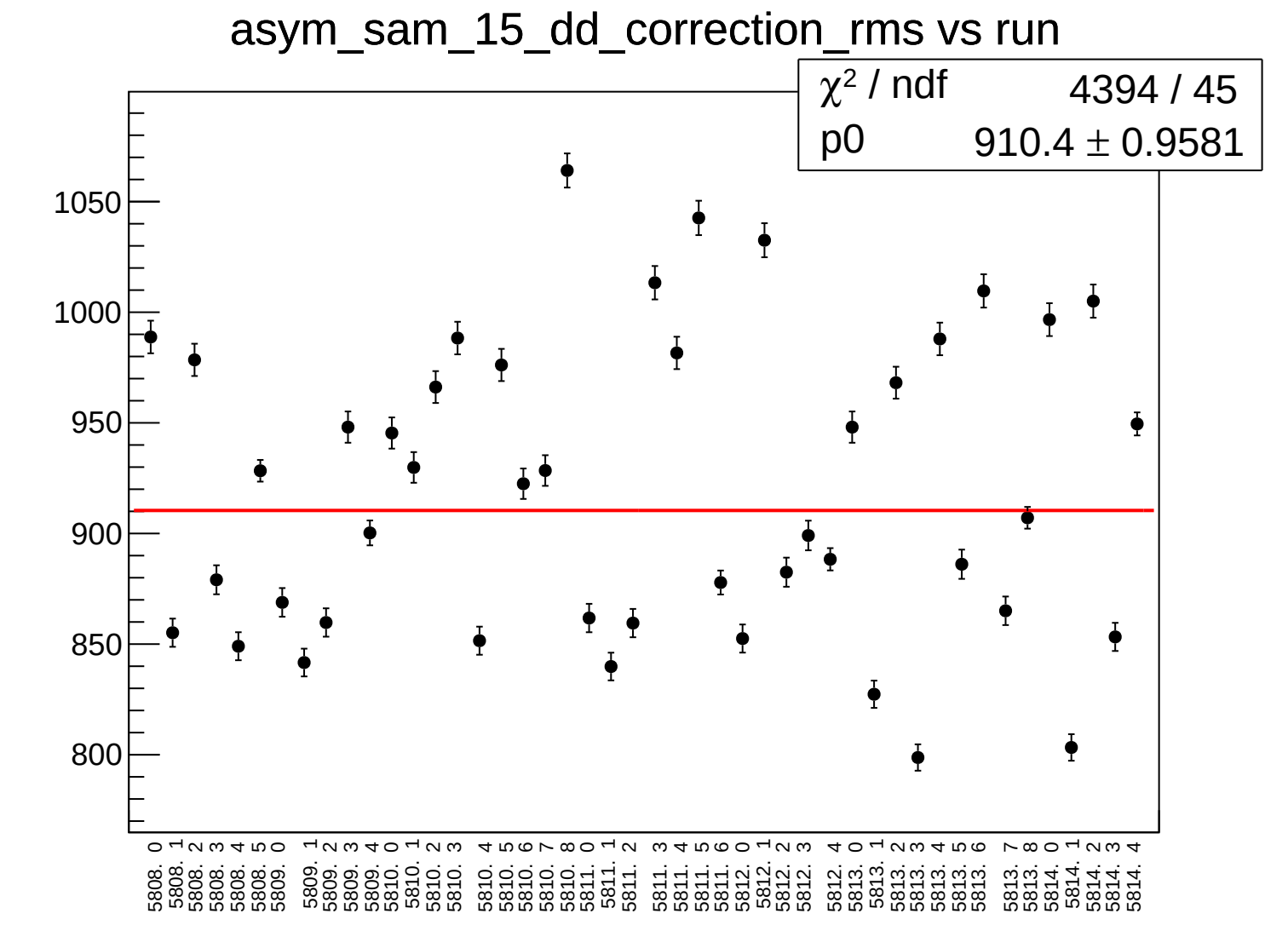

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 57.01 / 45
p0 75.01 ± 148.3
4000
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 477.7
Std Dev 451.5
2
1
0
−1
−2

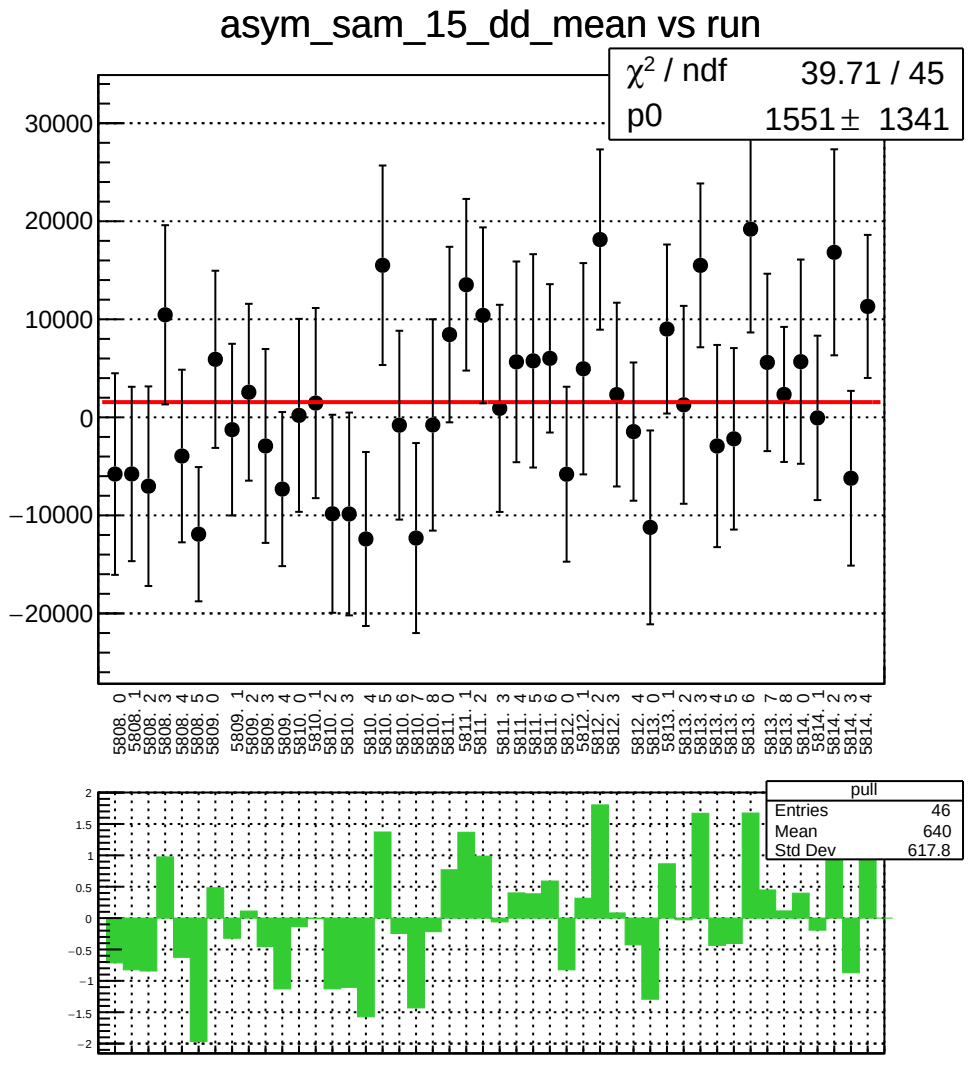

pull1D
Entries 46
Mean 0.004321
Std Dev 1.113
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

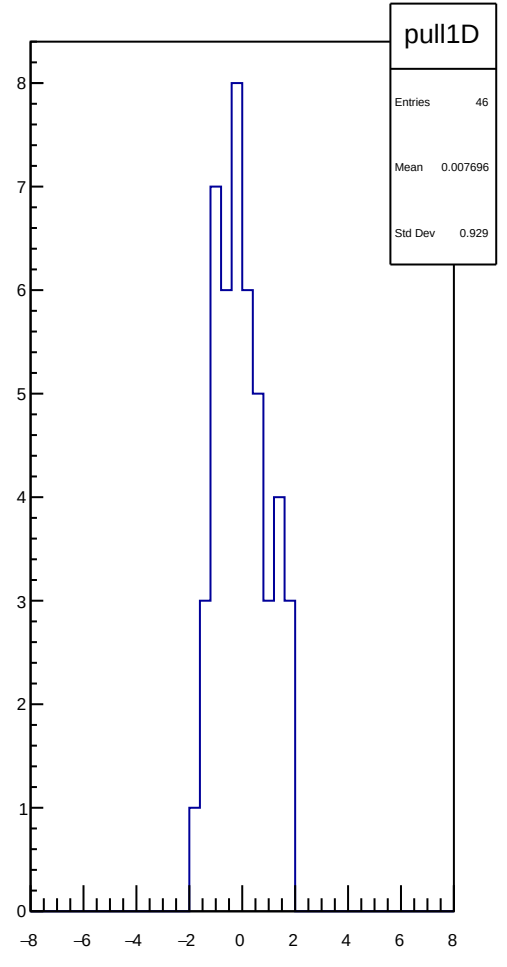

dit_asym_sam_15_dd_rms vs run
χ² / ndf 257.9 / 45
p0 99.87 ± 0.1049
104
102
100
98
96
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

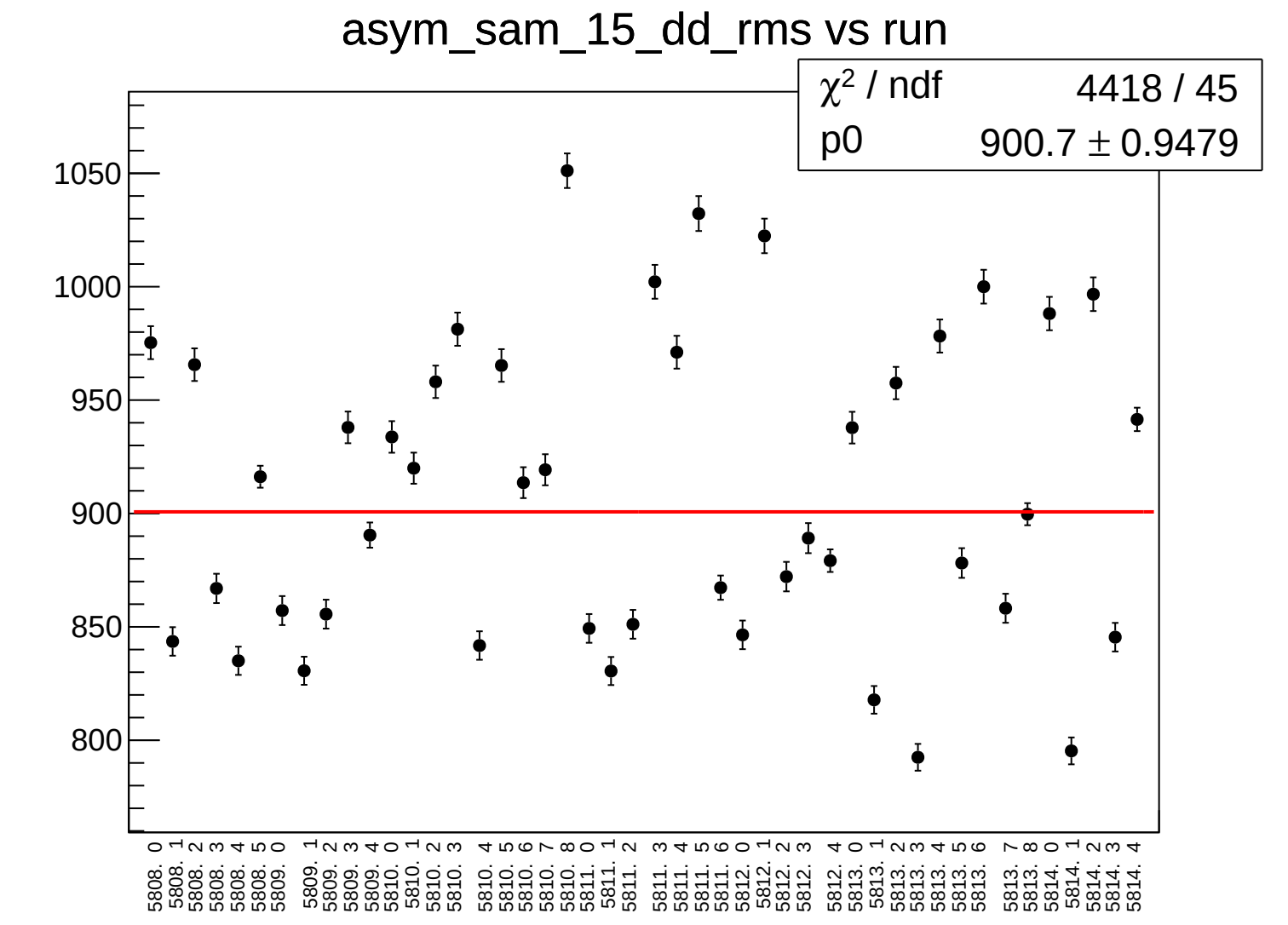

asym_sam_15_dd_correction_mean vs run
χ² / ndf 39.07 / 45
p0 −1492 ± 1355
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 745.3
Std Dev 723.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

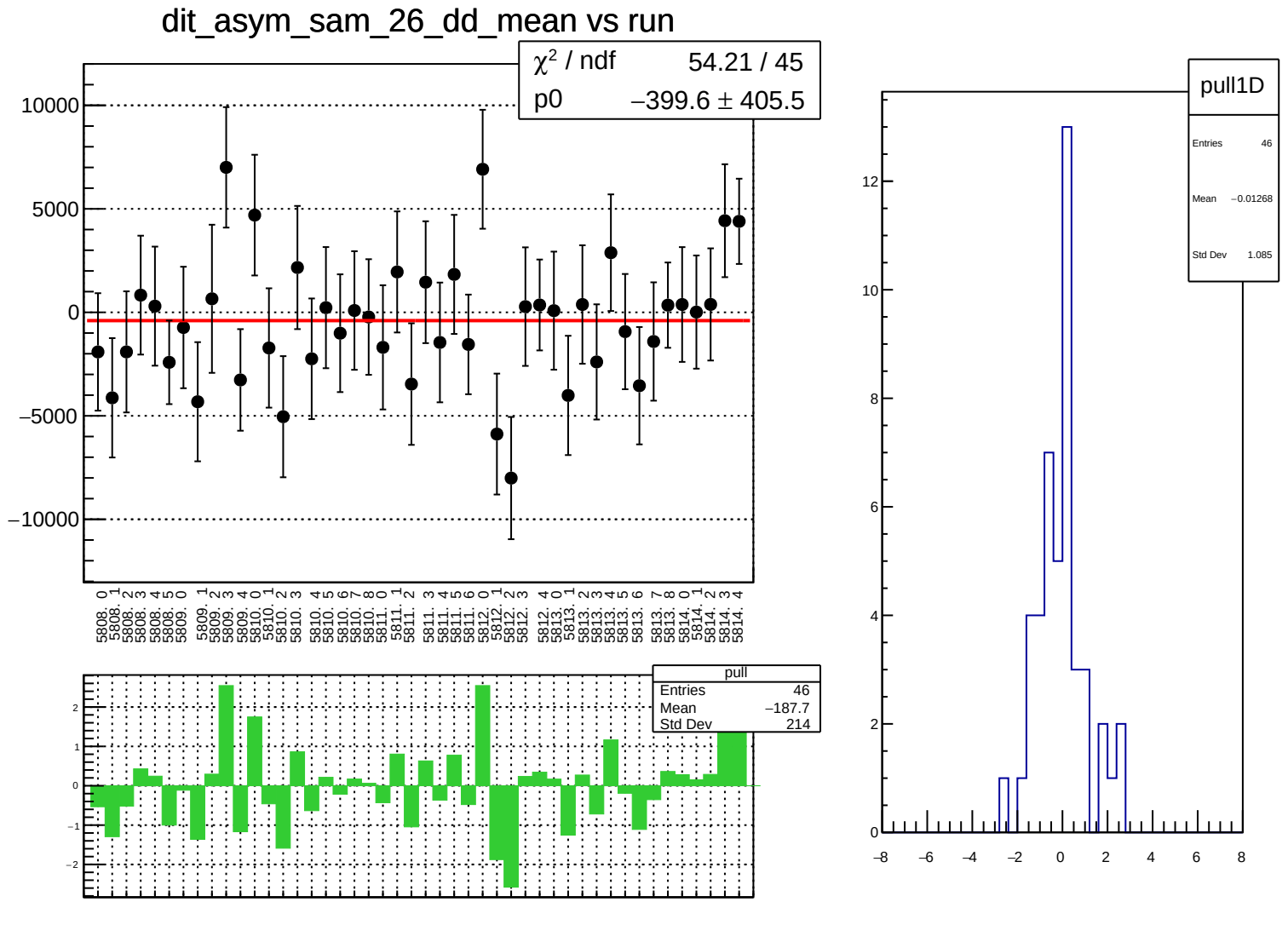

pull1D
Entries 46
Mean −0.006204
Std Dev 0.9215
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

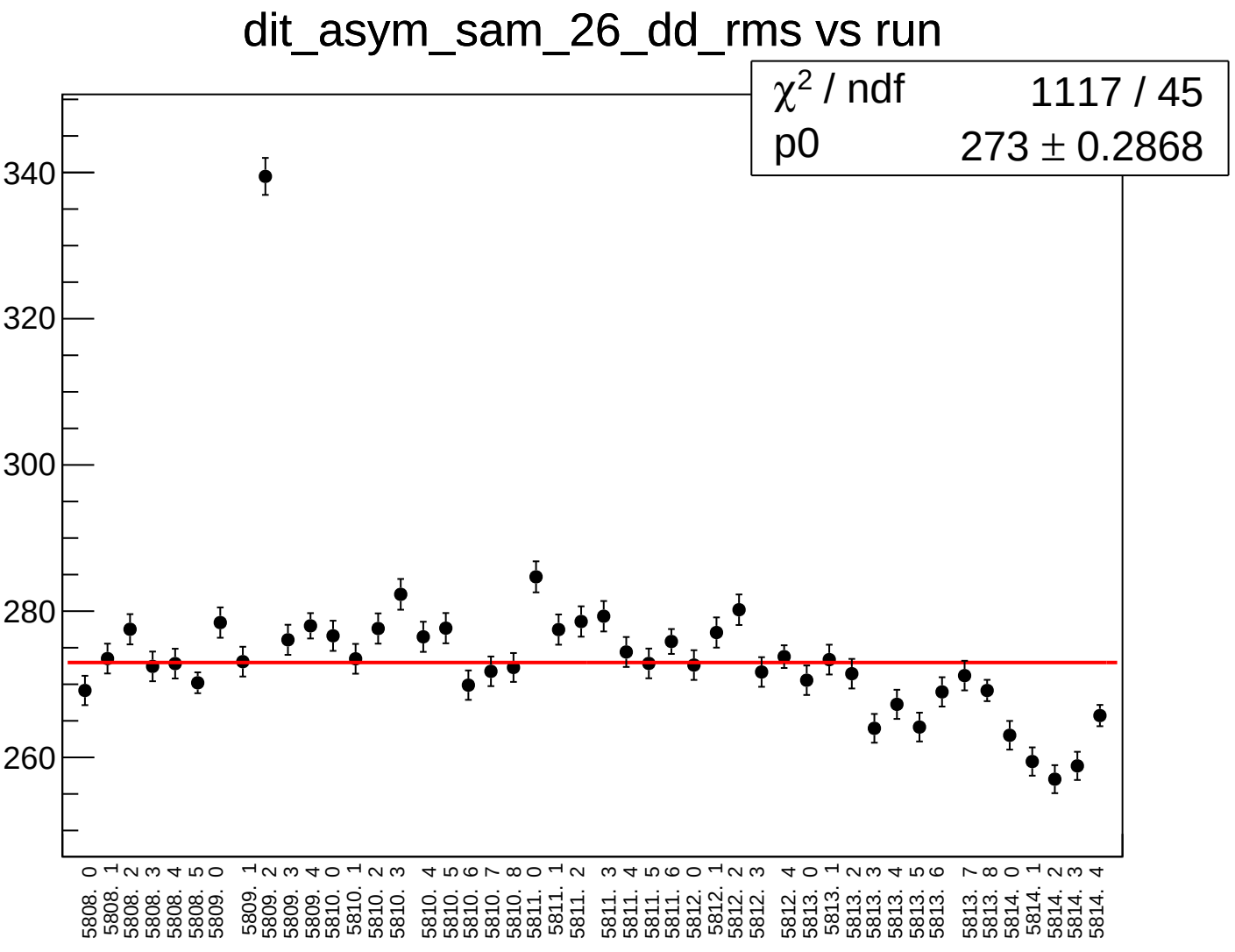

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4394 / 45
p0 910.4 ± 0.9581
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

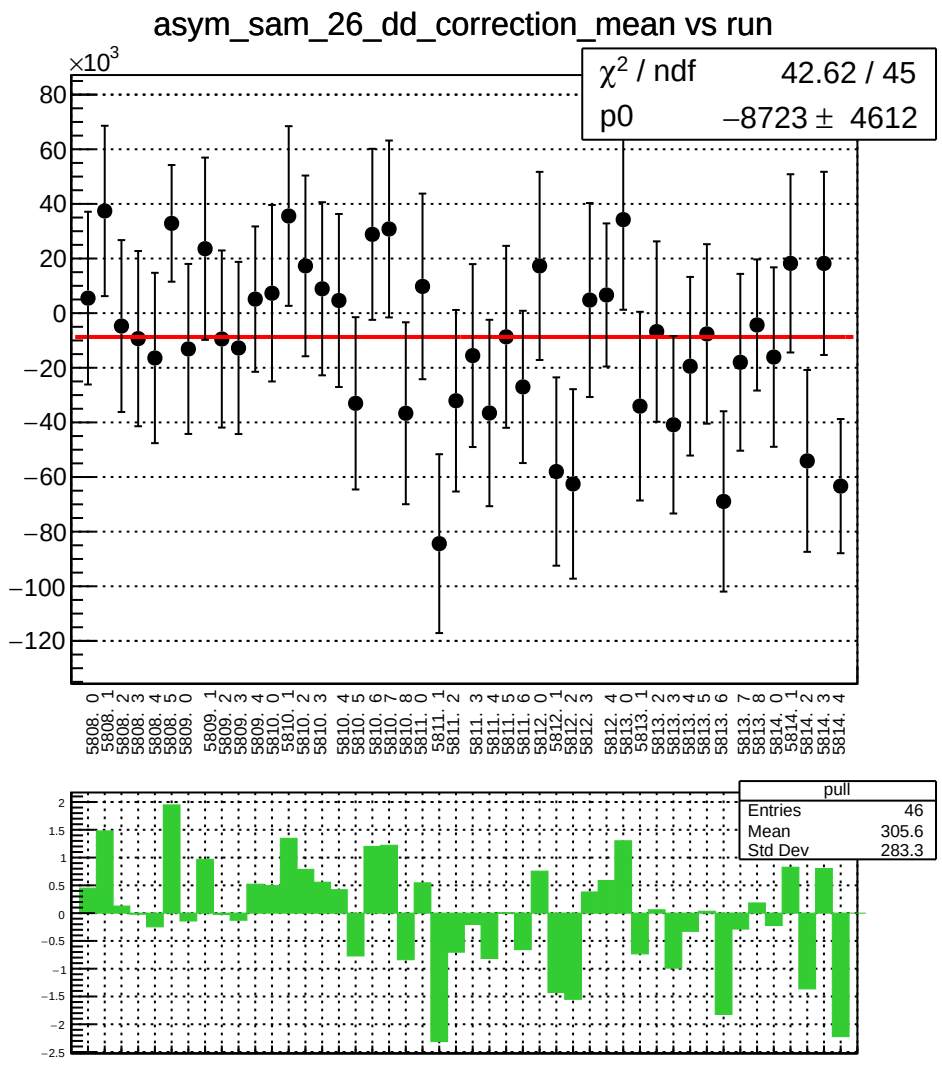

asym_sam_15_dd_mean vs run
χ² / ndf 39.71 / 45
p0 1551 ± 1341
30000
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 640
Std Dev 617.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

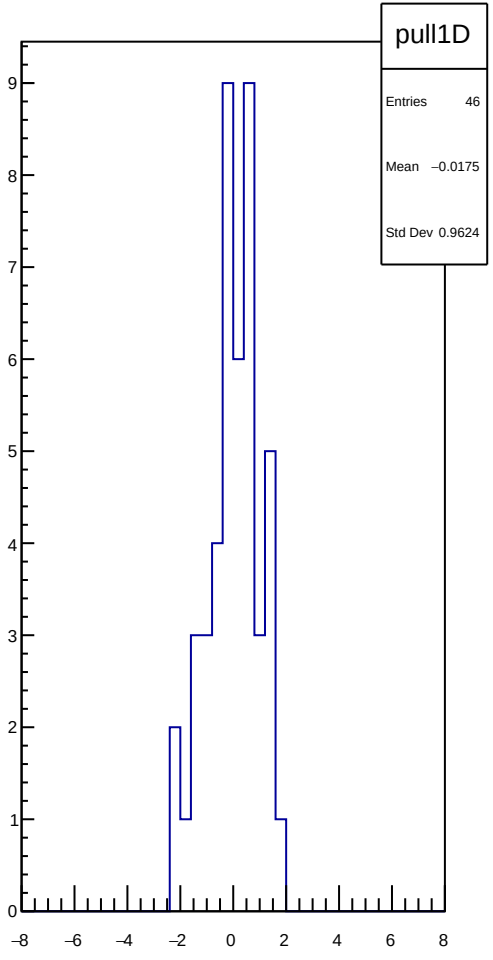

pull1D
Entries 46
Mean 0.007696
Std Dev 0.929
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

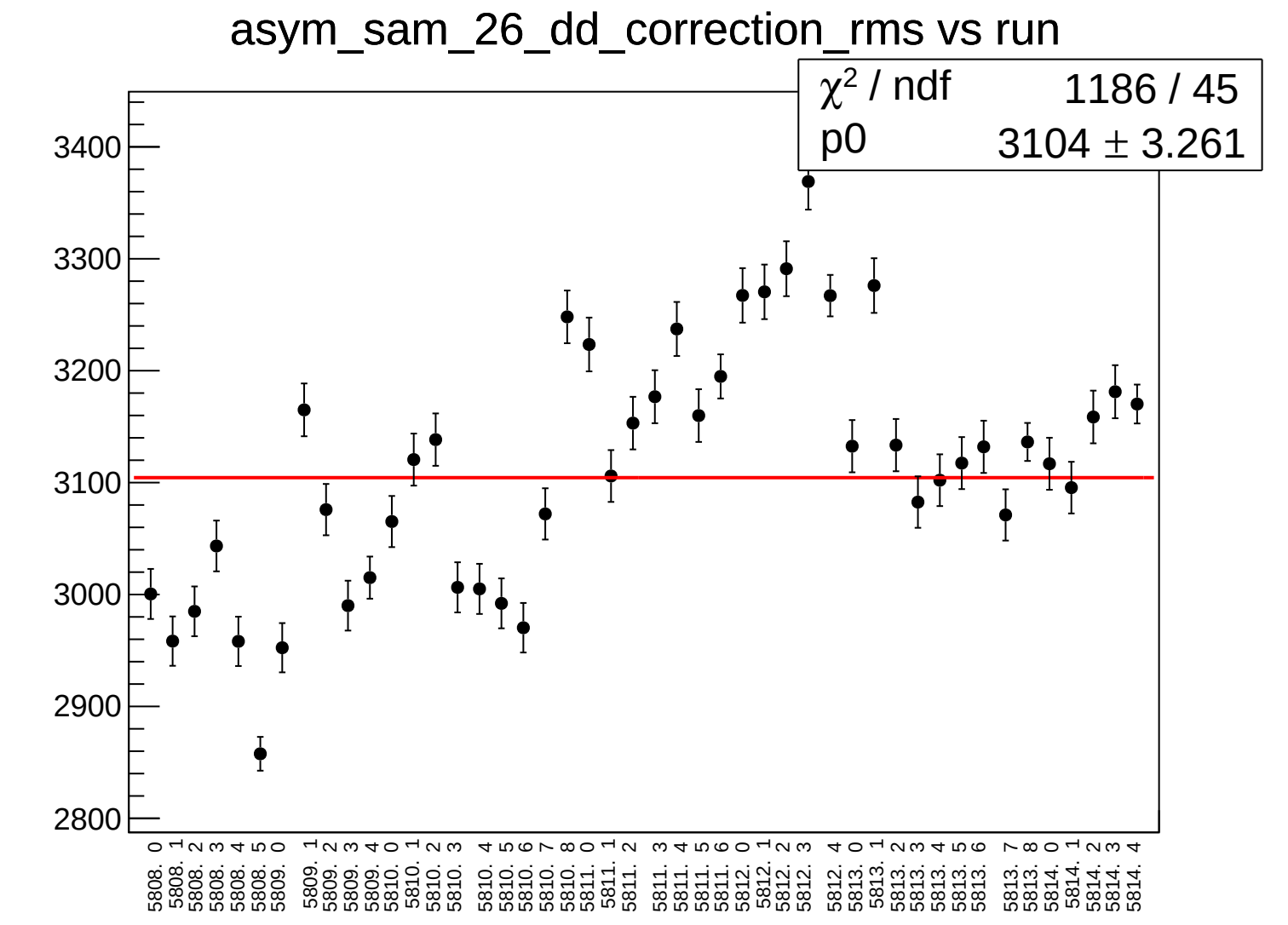

asym_sam_15_dd_rms vs run
χ² / ndf 4418 / 45
p0 900.7 ± 0.9479
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

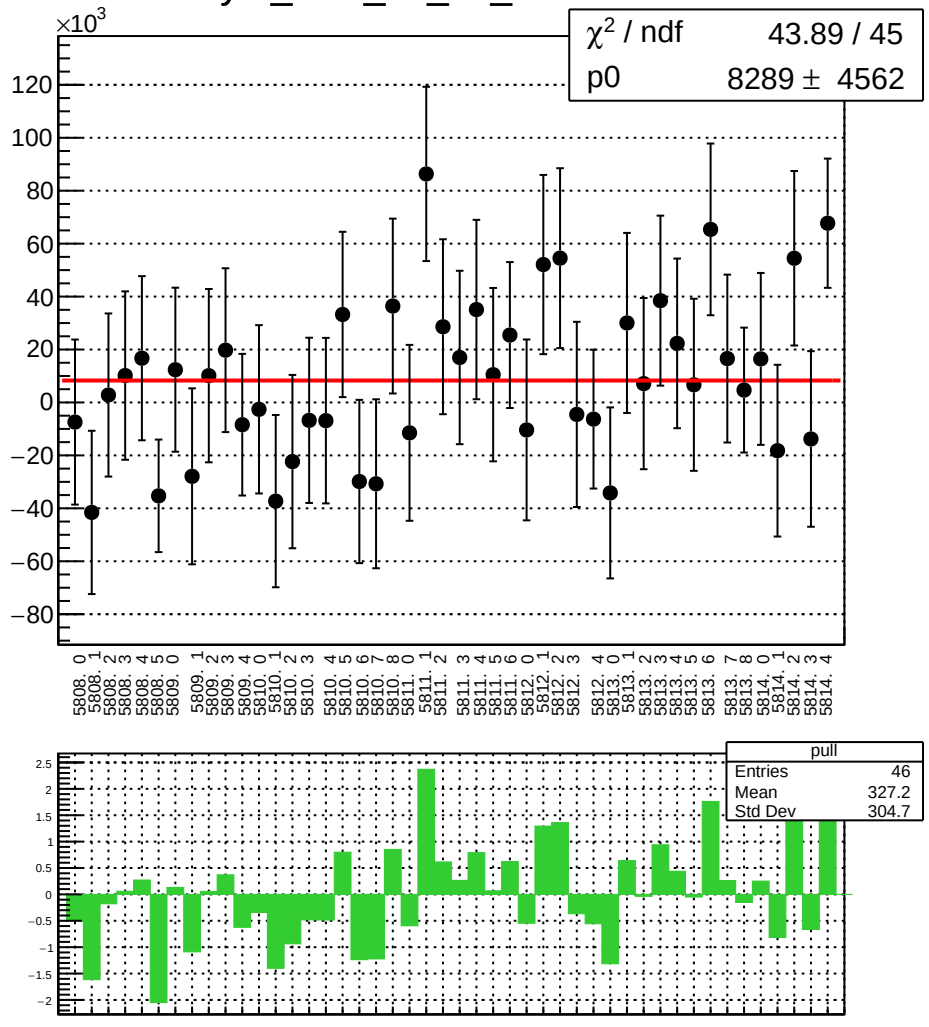

dit_asym_sam_26_dd_mean vs run
χ² / ndf 54.21 / 45
p0 −399.6 ± 405.5
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −187.7
Std Dev 214
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01268
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

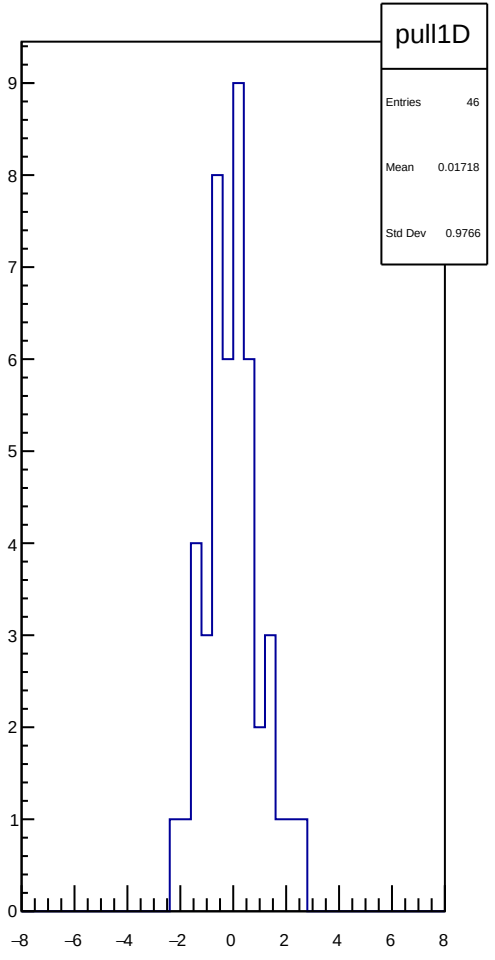

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1117 / 45
p0 273 ± 0.2868
340
320
300
280
260
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

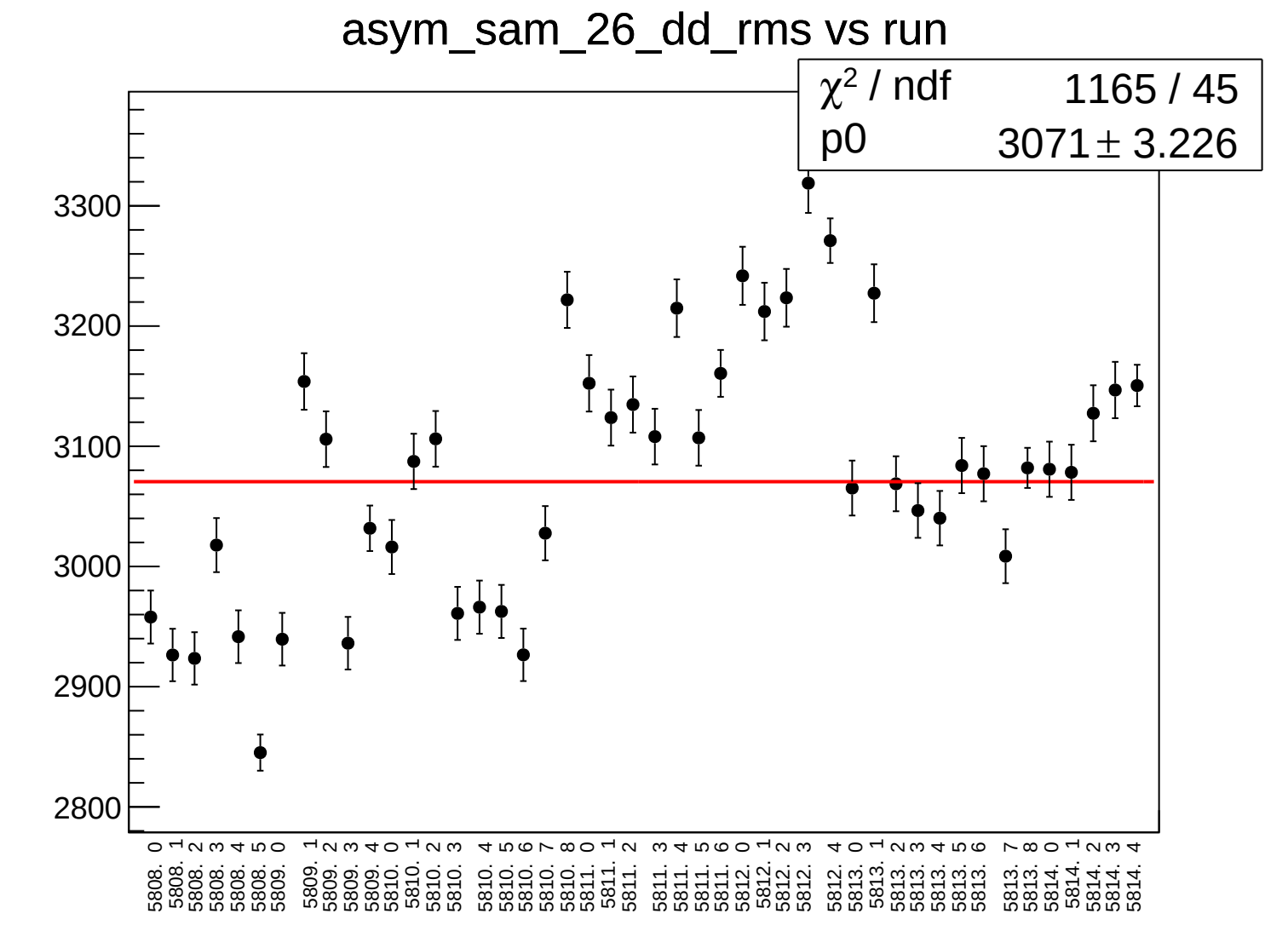

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 42.62 / 45
p0 −8723 ± 4612
pull
Entries 46
Mean 305.6
Std Dev 283.3

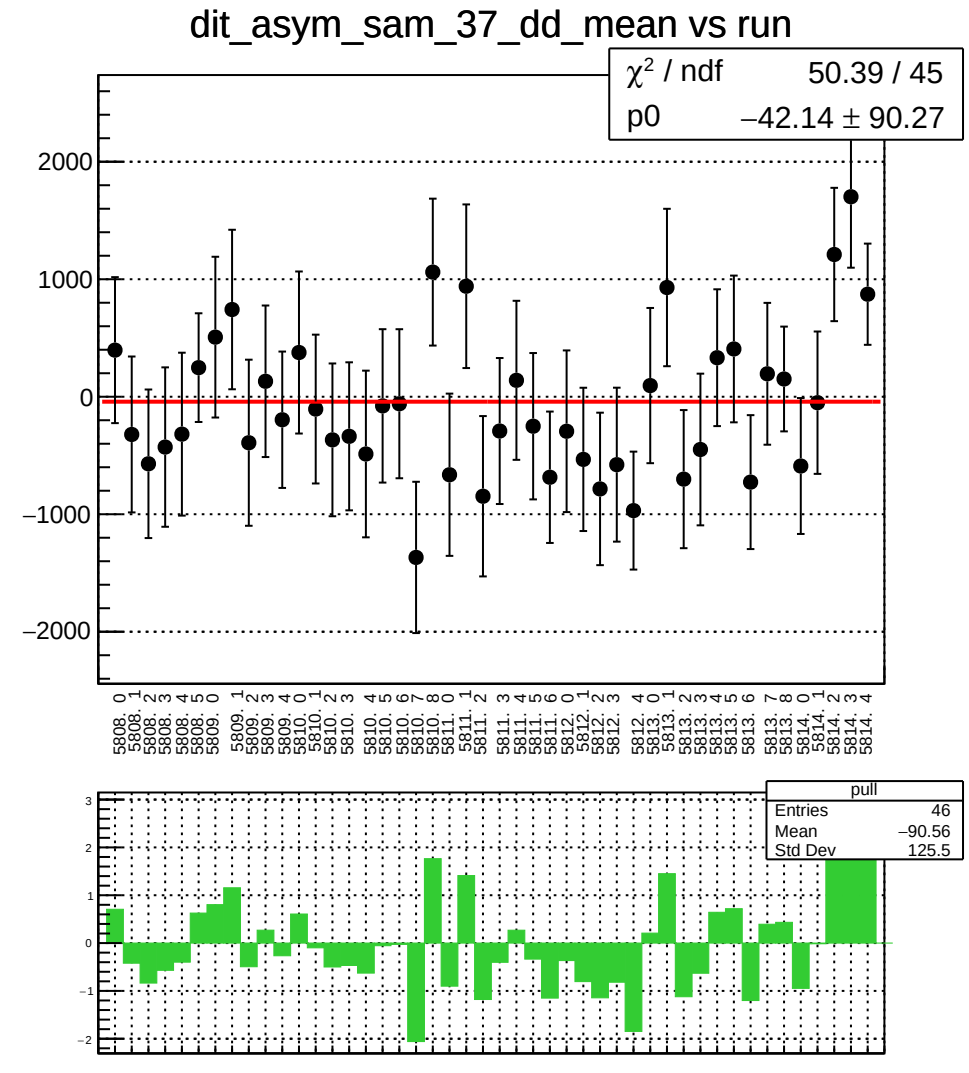

pull1D
Entries 46
Mean −0.0175
Std Dev 0.9624

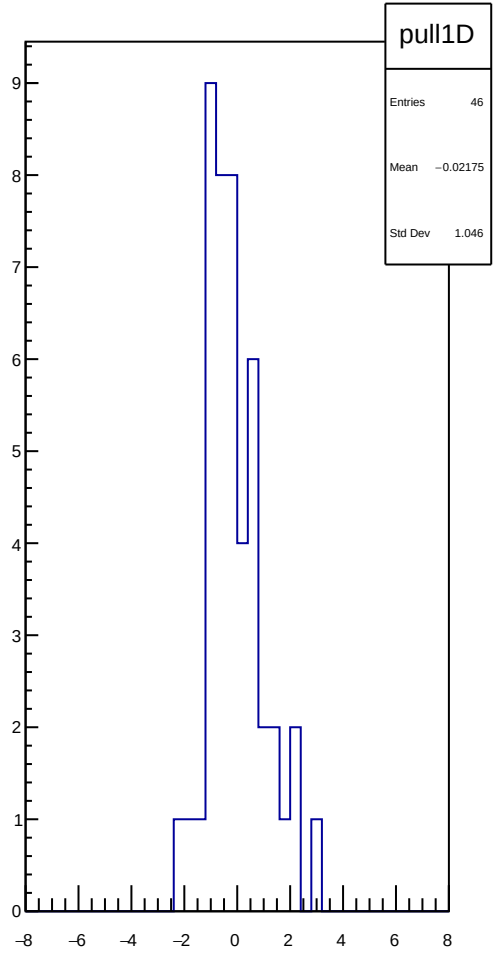

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1186 / 45
p0 3104 ± 3.261
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

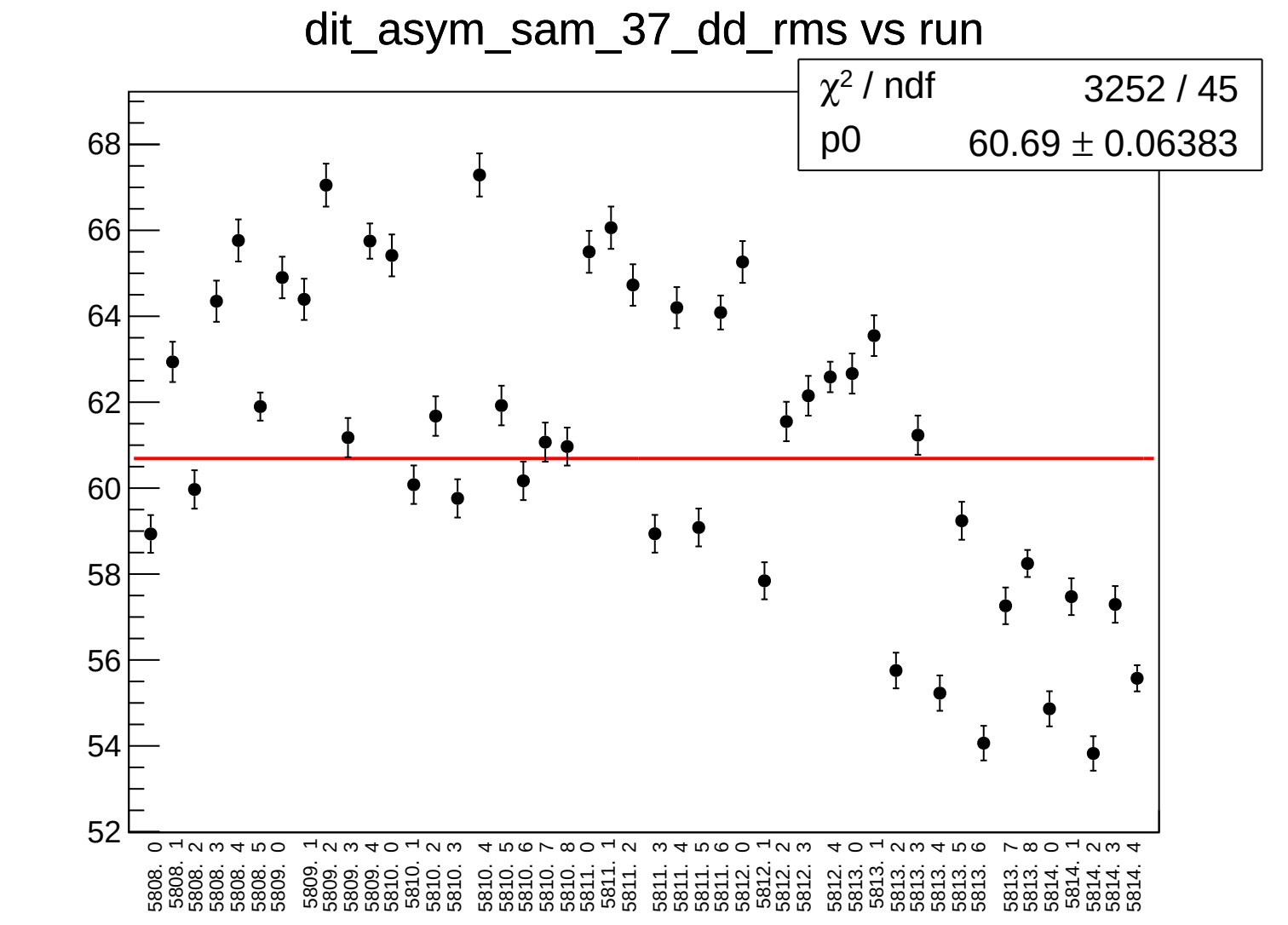

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 43.89 / 45
p0 8289 ± 4562
pull
Entries 46
Mean 327.2
Std Dev 304.7

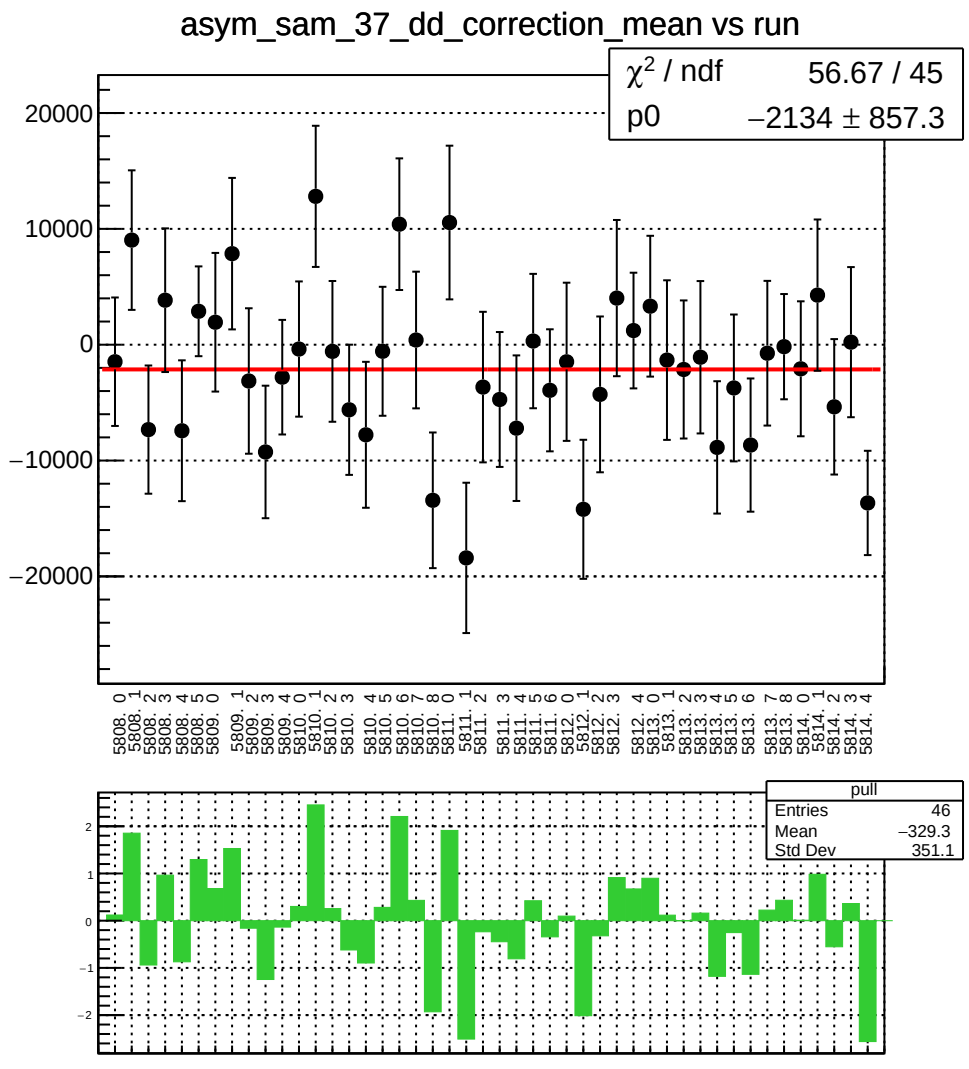

pull1D
Entries 46
Mean 0.01718
Std Dev 0.9766

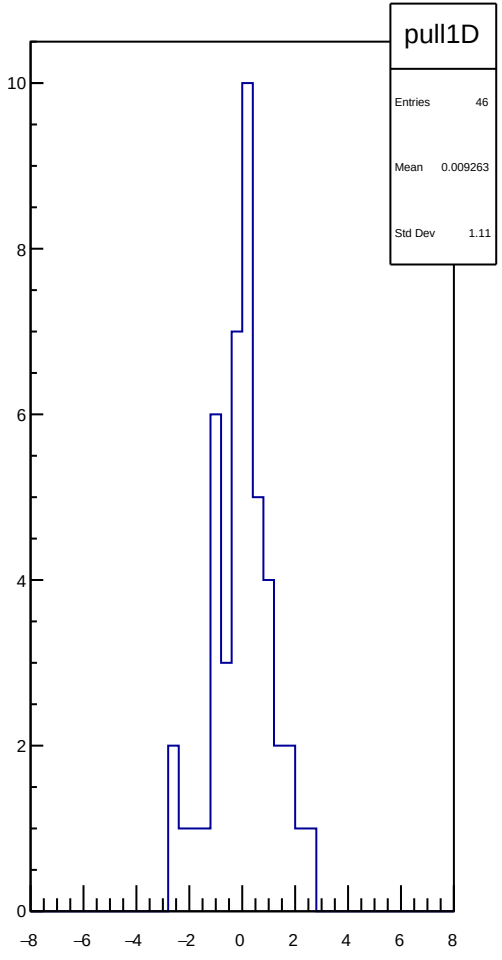

asym_sam_26_dd_rms vs run
χ² / ndf 1165 / 45
p0 3071 ± 3.226
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

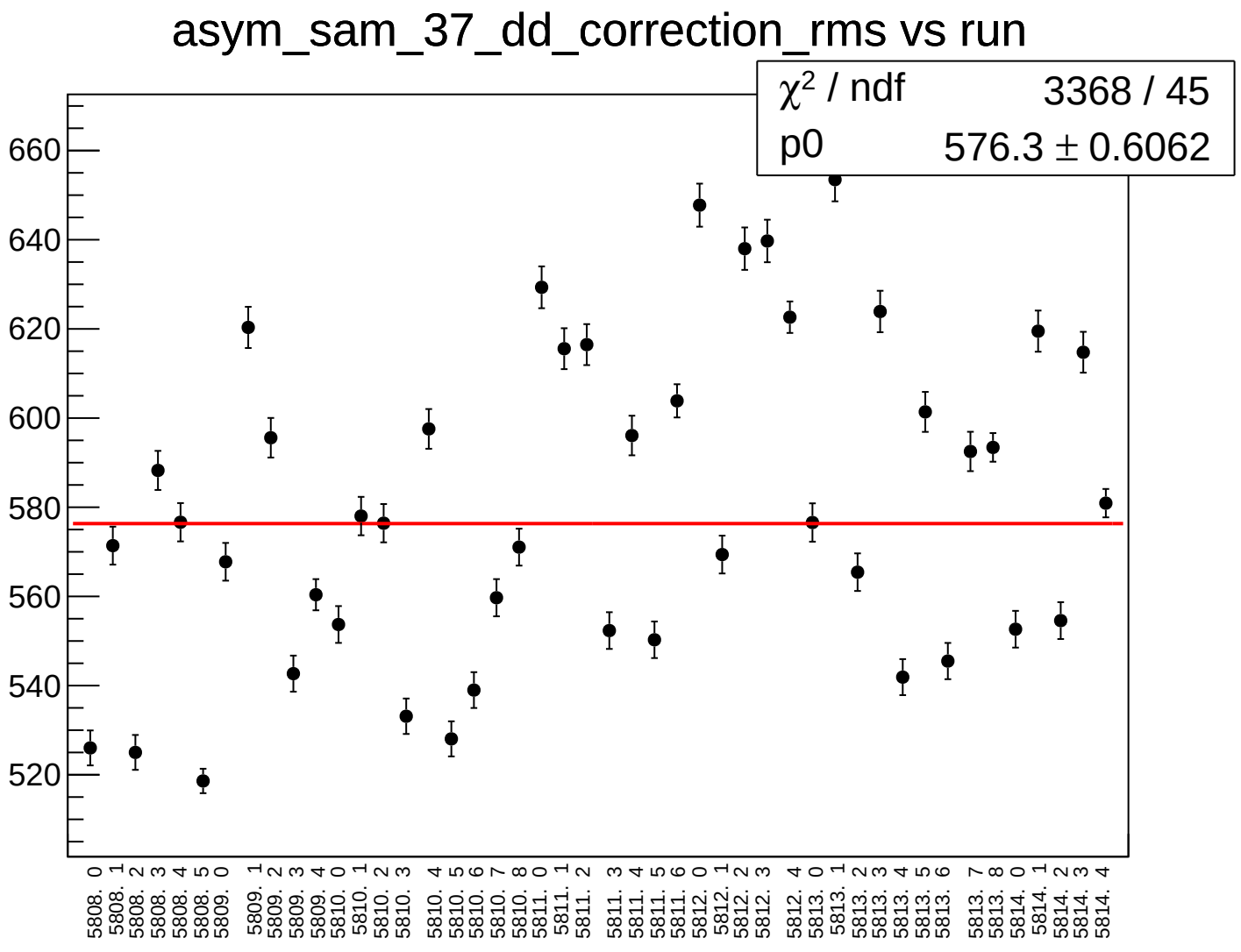

dit_asym_sam_37_dd_mean vs run
χ² / ndf 50.39 / 45
p0 −42.14 ± 90.27
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −90.56
Std Dev 125.5
3
2
1
0
−1
−2

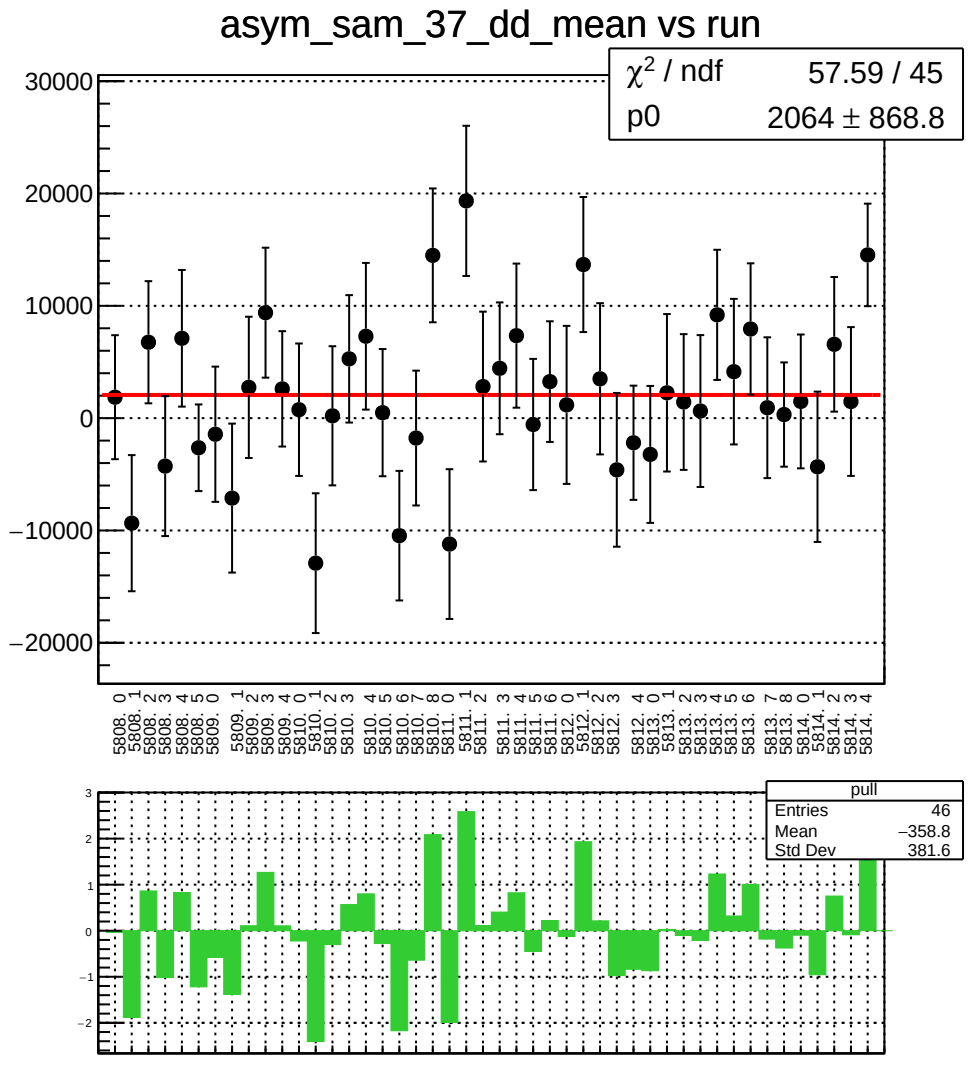

pull1D
Entries 46
Mean −0.02175
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

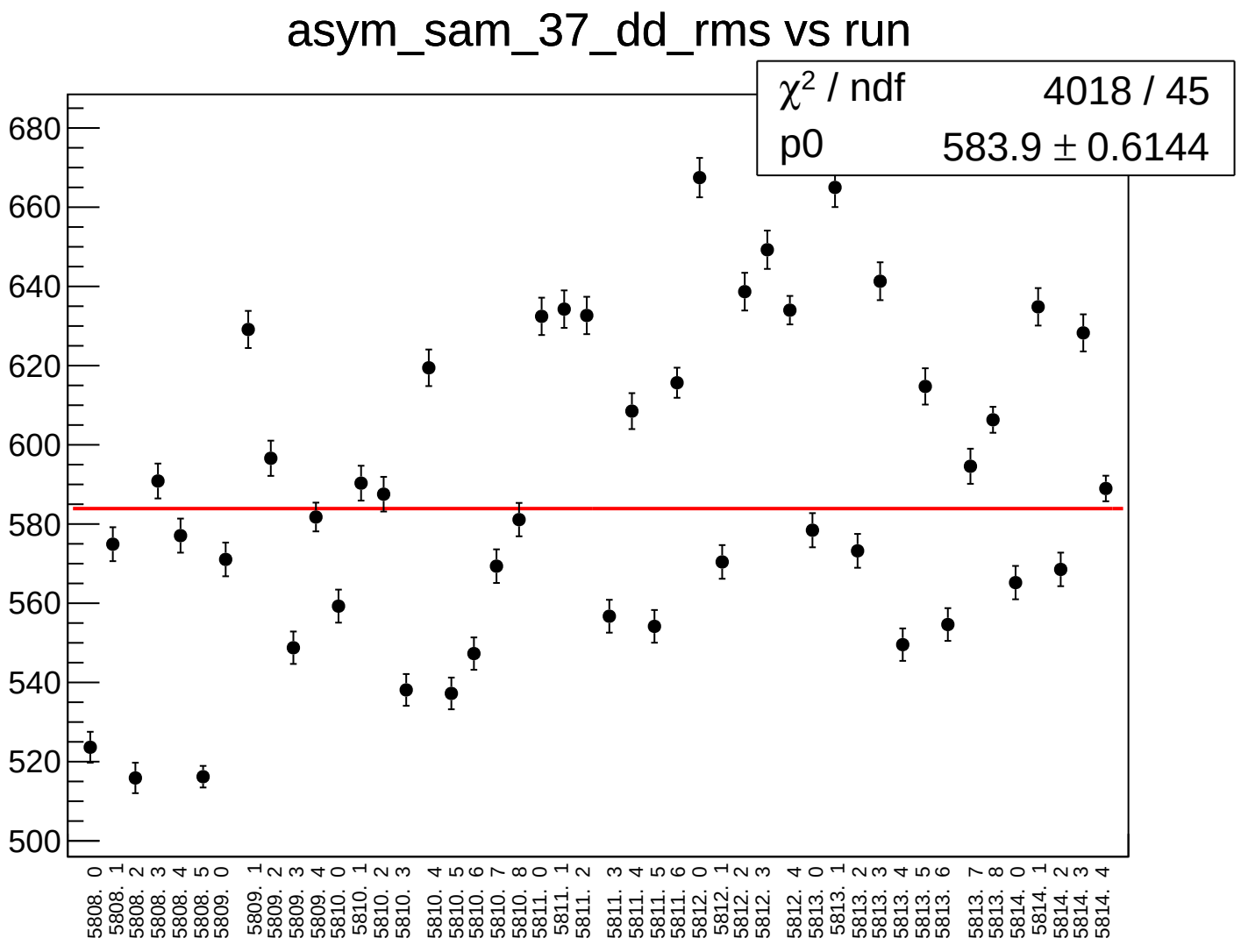

dit_asym_sam_37_dd_rms vs run
χ² / ndf 3252 / 45
p0 60.69 ± 0.06383
68
66
64
62
60
58
56
54
52
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

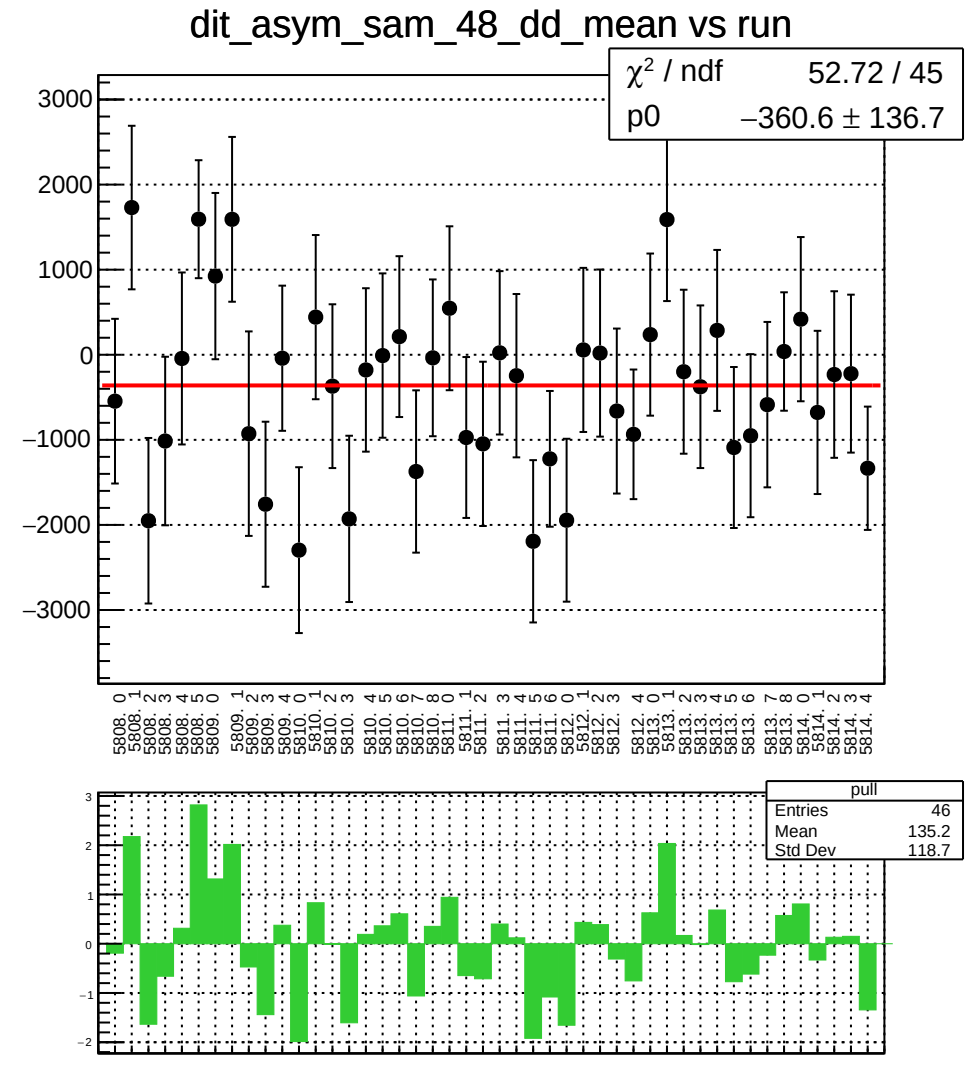

asym_sam_37_dd_correction_mean vs run
χ² / ndf 56.67 / 45
p0 −2134 ± 857.3
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −329.3
Std Dev 351.1
2
1
0
−1
−2

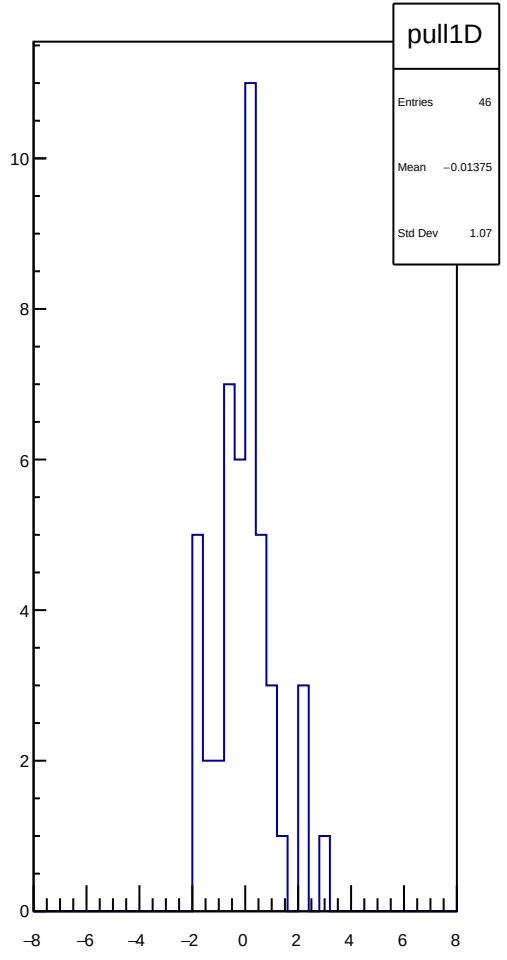

pull1D
Entries 46
Mean 0.009263
Std Dev 1.11
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

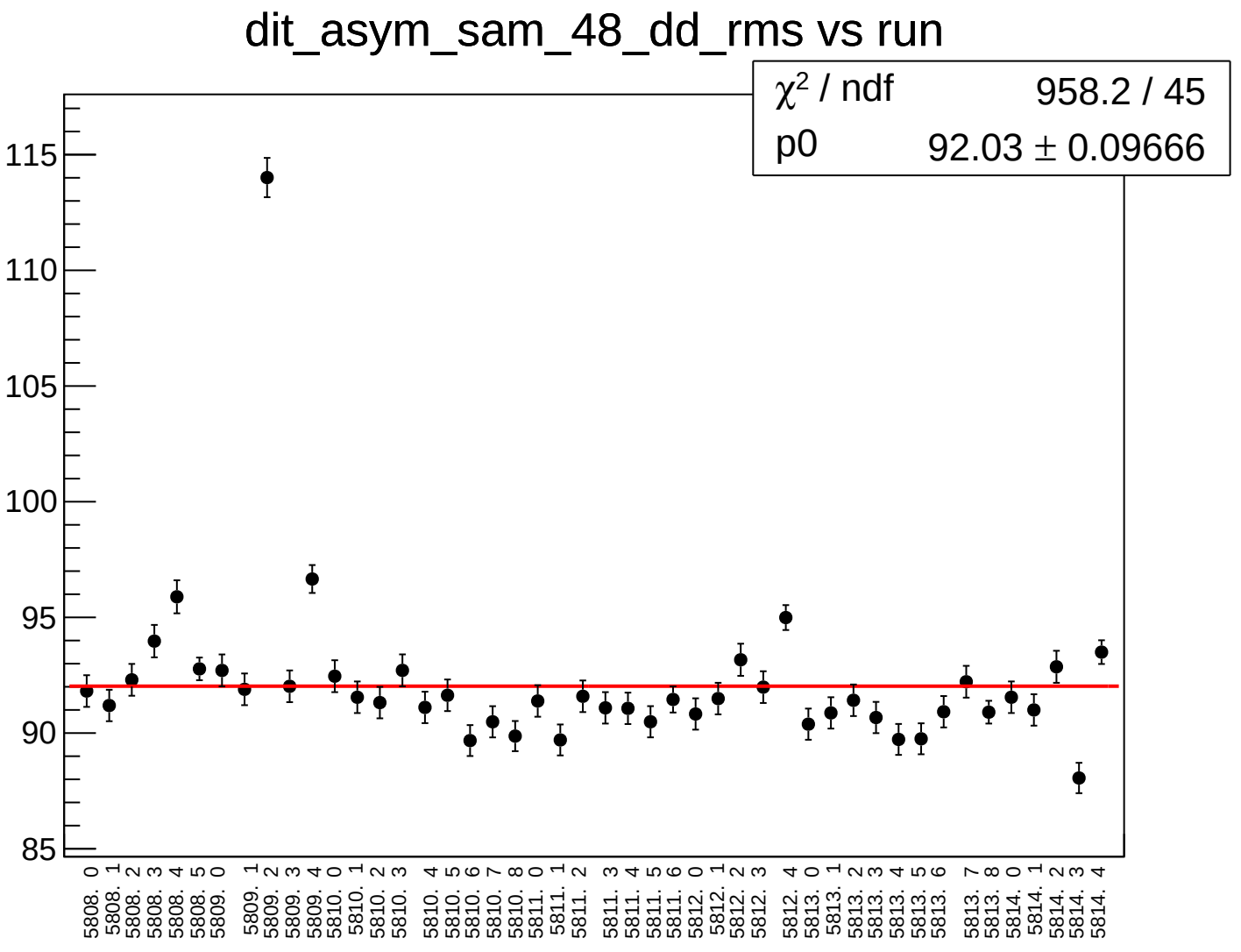

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3368 / 45
p0 576.3 ± 0.6062
660
640
620
600
580
560
540
520
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

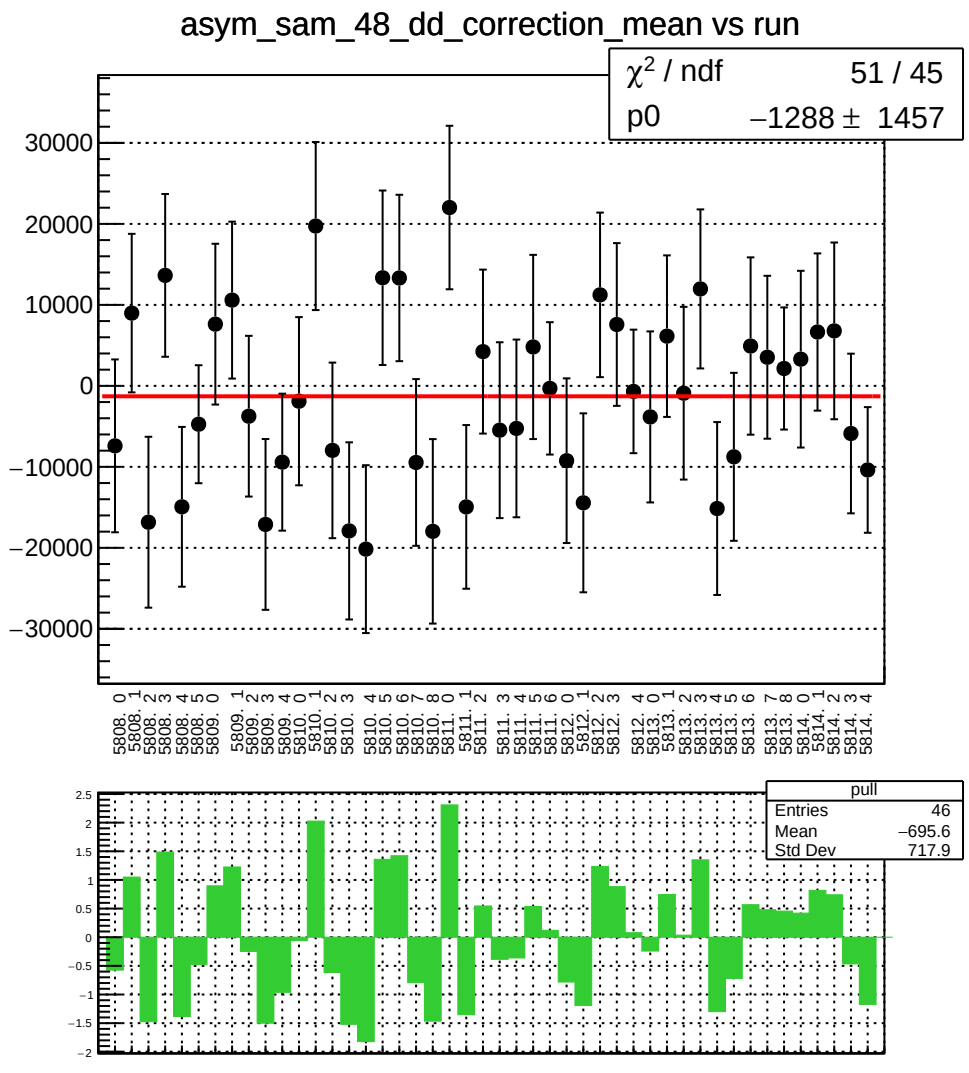

asym_sam_37_dd_mean vs run
χ² / ndf 57.59 / 45
p0 2064 ± 868.8
30000
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −358.8
Std Dev 381.6
3
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.009047
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

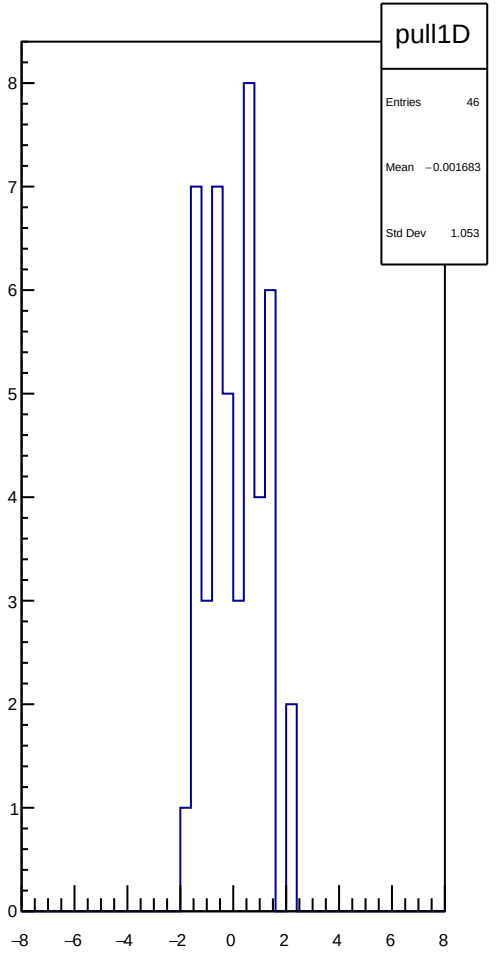

asym_sam_37_dd_rms vs run
χ² / ndf 4018 / 45
p0 583.9 ± 0.6144
680
660
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

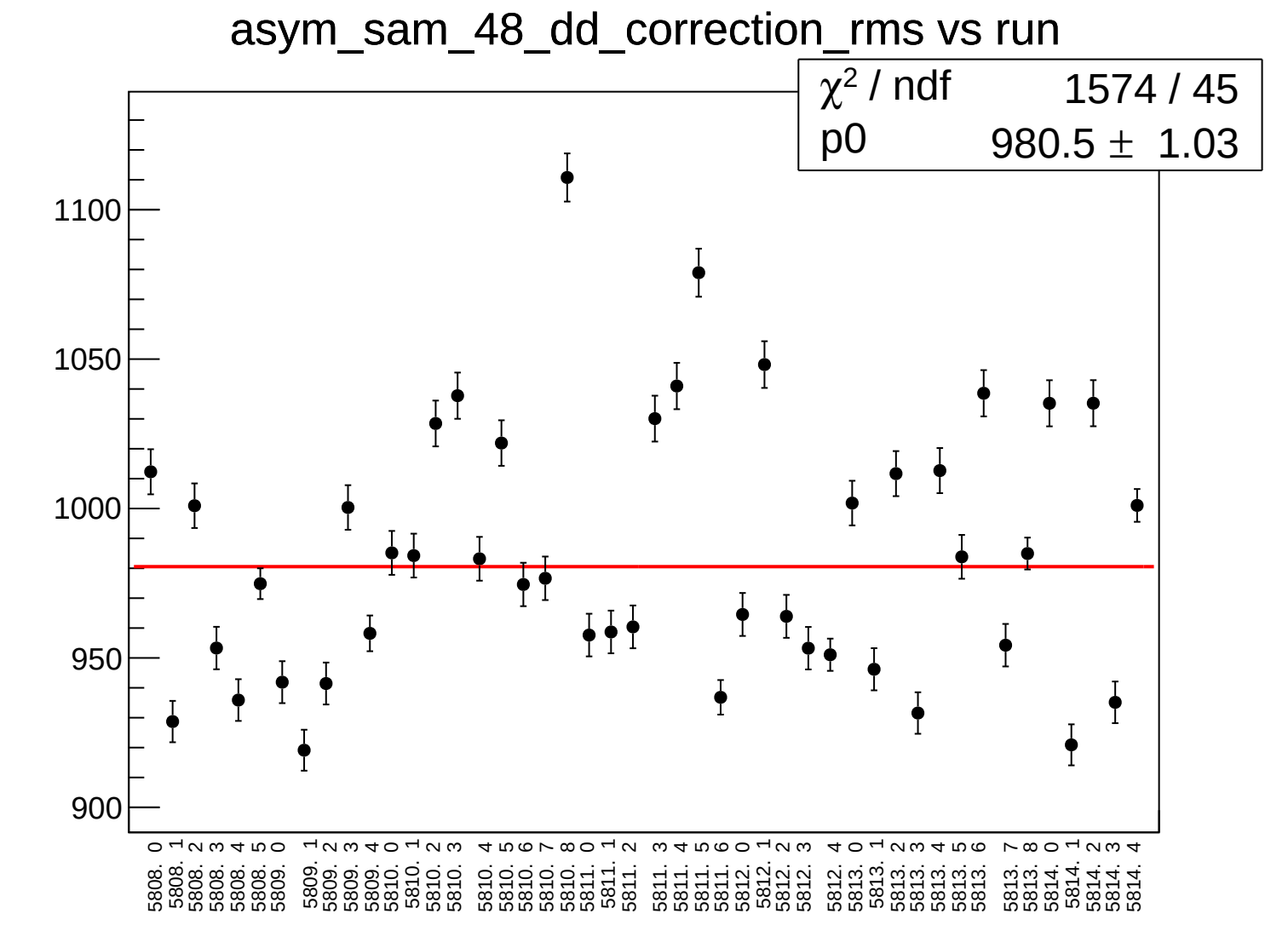

dit_asym_sam_48_dd_mean vs run
χ² / ndf 52.72 / 45
p0 −360.6 ± 136.7
pull
Entries 46
Mean 135.2
Std Dev 118.7

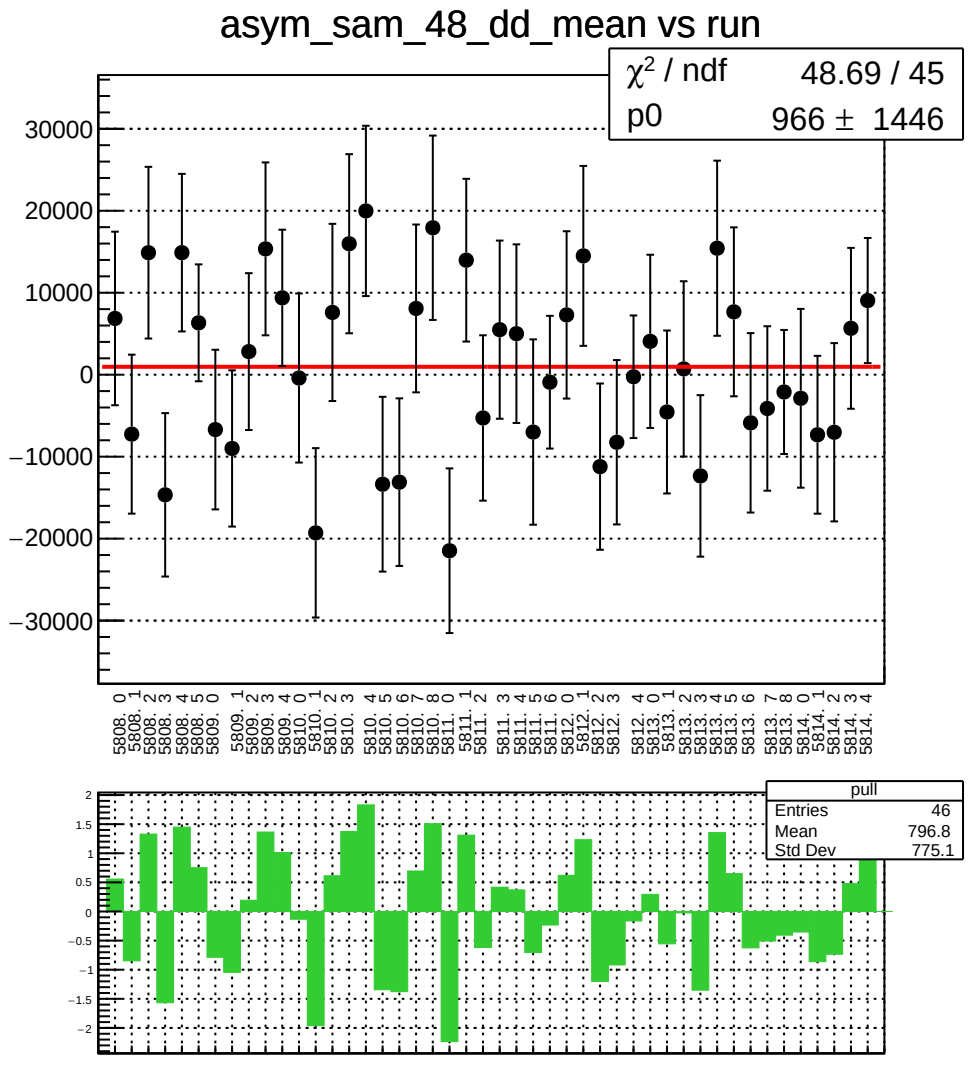

pull1D
Entries 46
Mean −0.01375
Std Dev 1.07

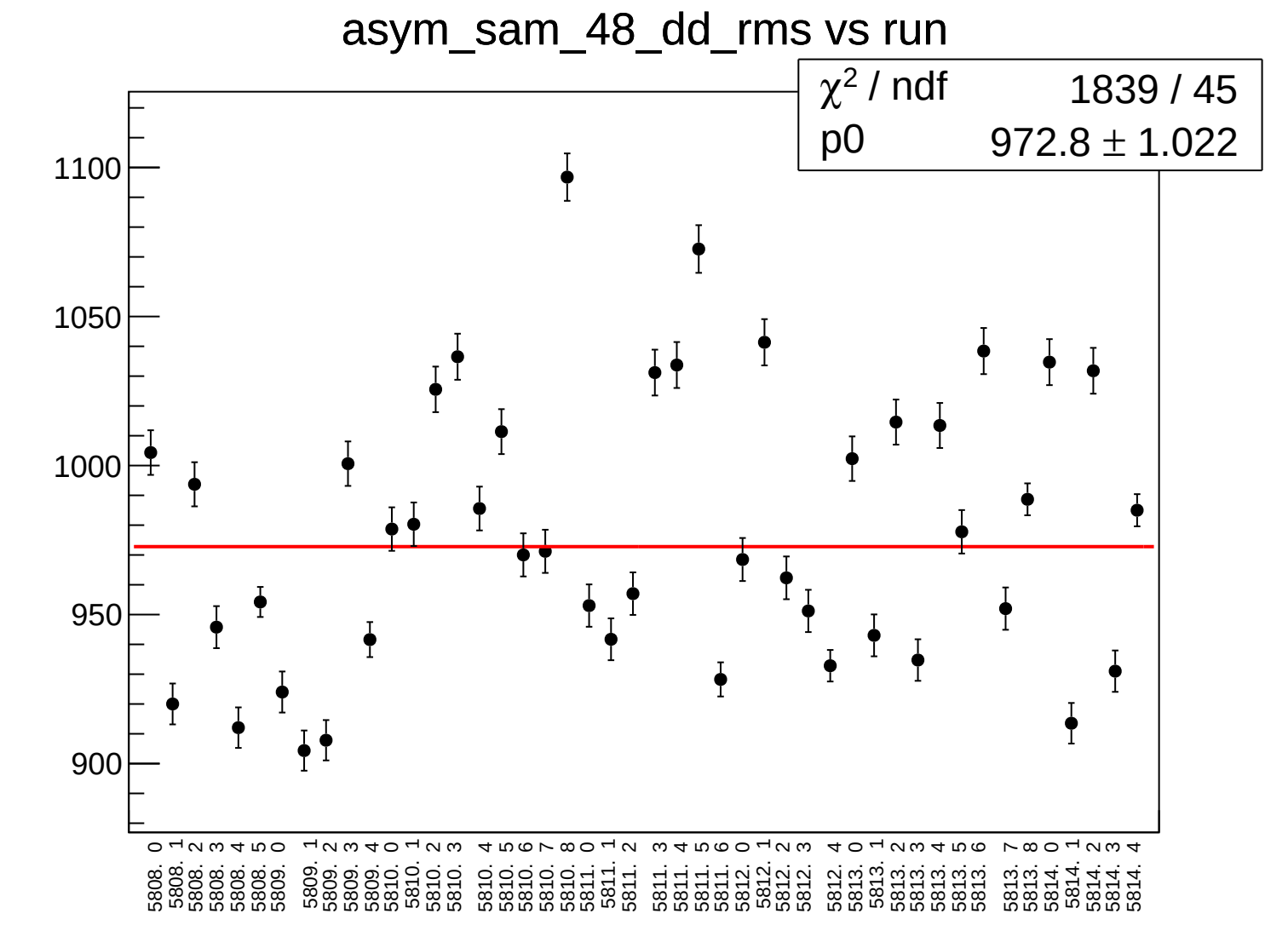

dit_asym_sam_48_dd_rms vs run
χ² / ndf 958.2 / 45
p0 92.03 ± 0.09666
115
110
105
100
95
90
85
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

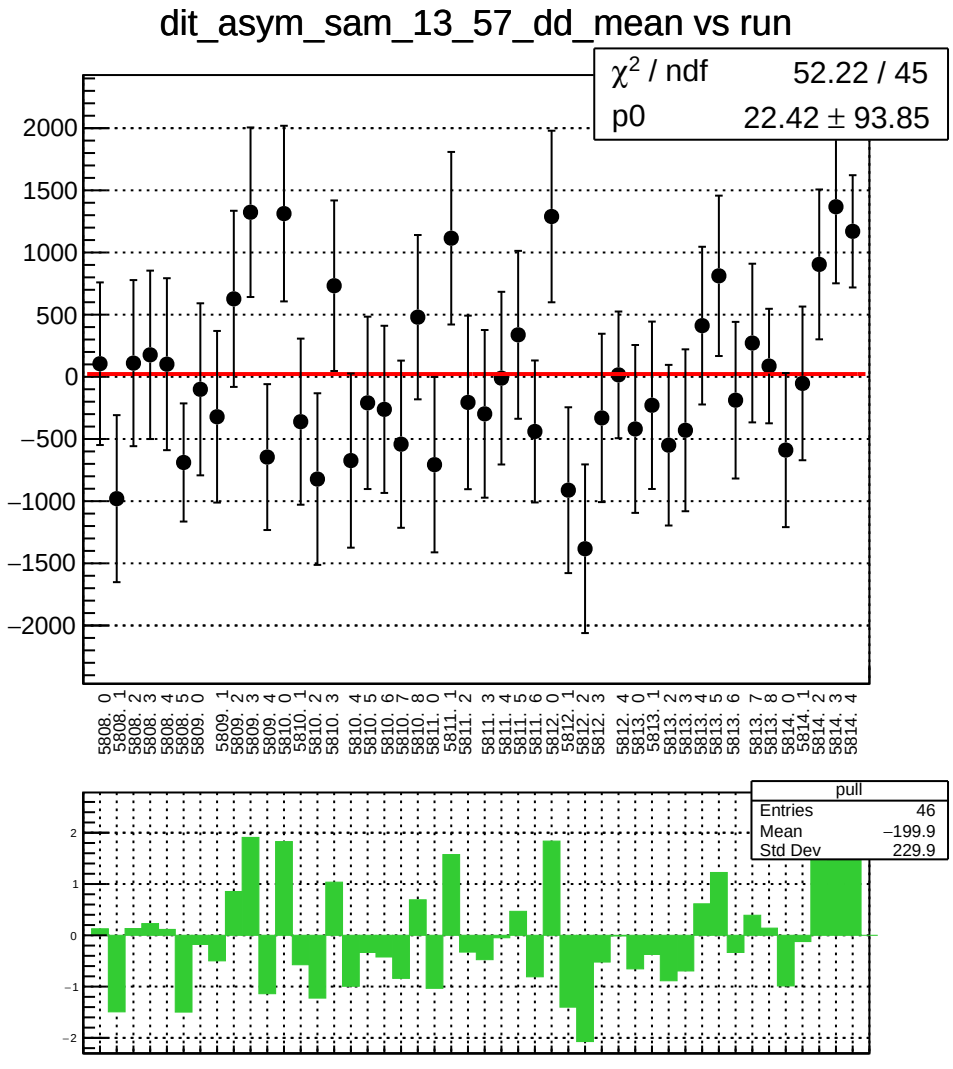

asym_sam_48_dd_correction_mean vs run
χ² / ndf 51 / 45
p0 −1288 ± 1457
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −695.6
Std Dev 717.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

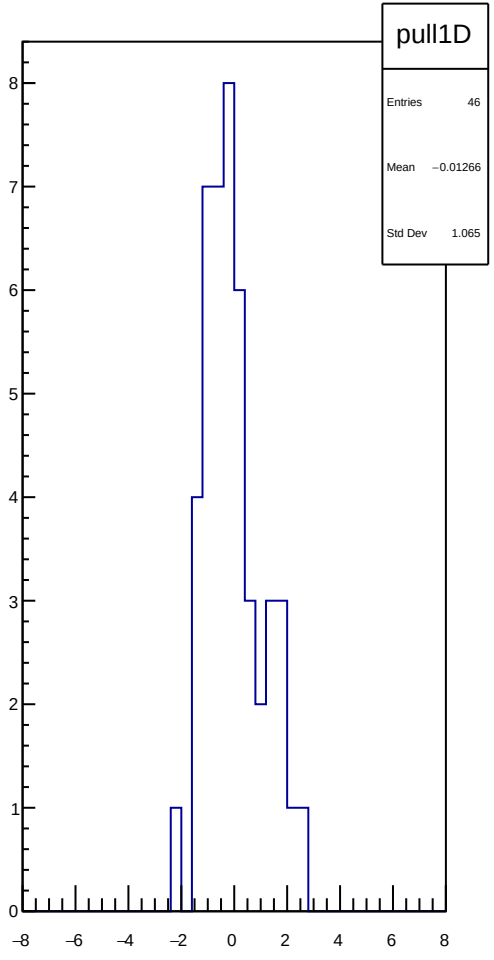

pull1D
Entries 46
Mean −0.001683
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

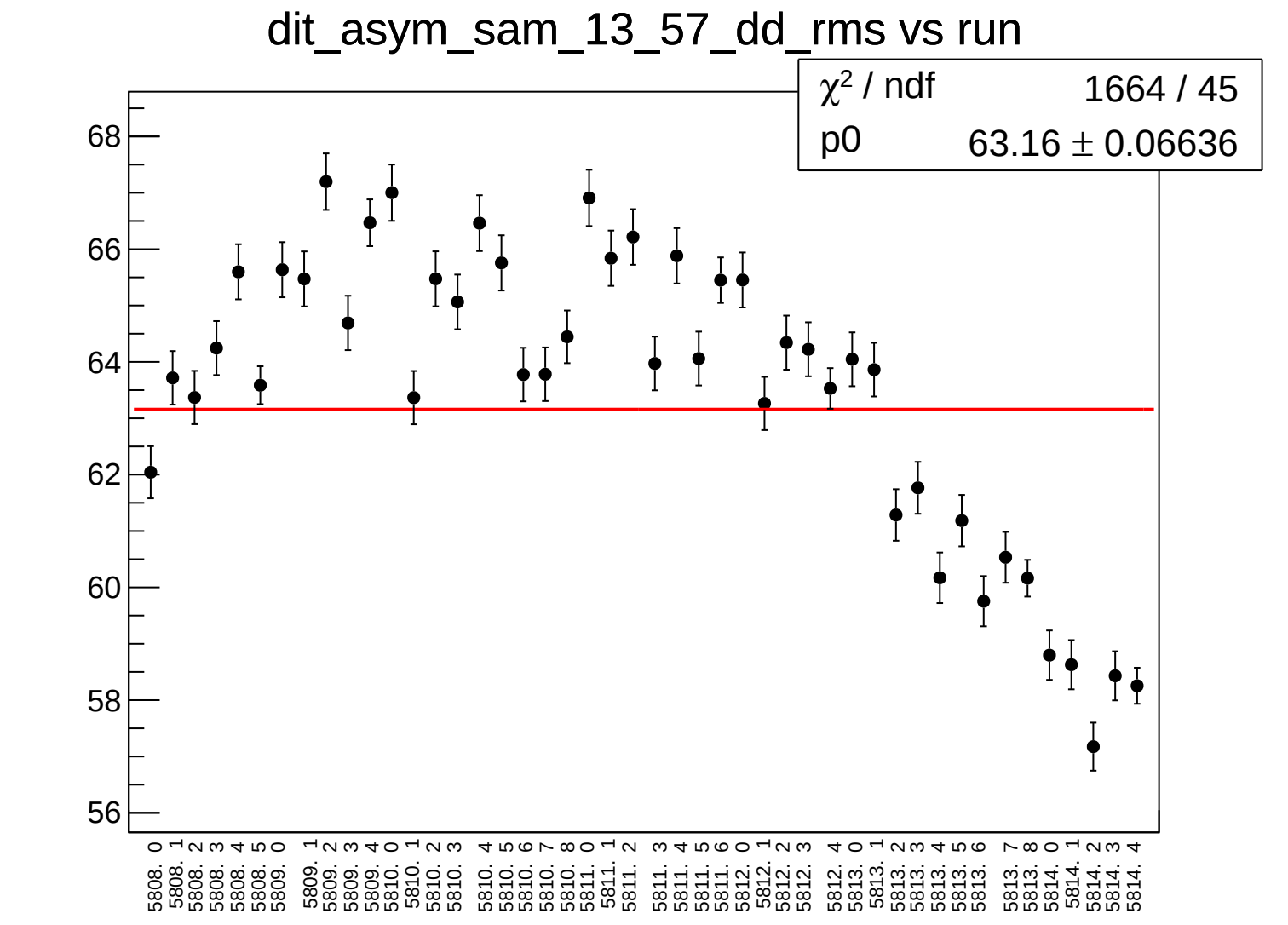

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1574 / 45
p0 980.5 ± 1.03
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

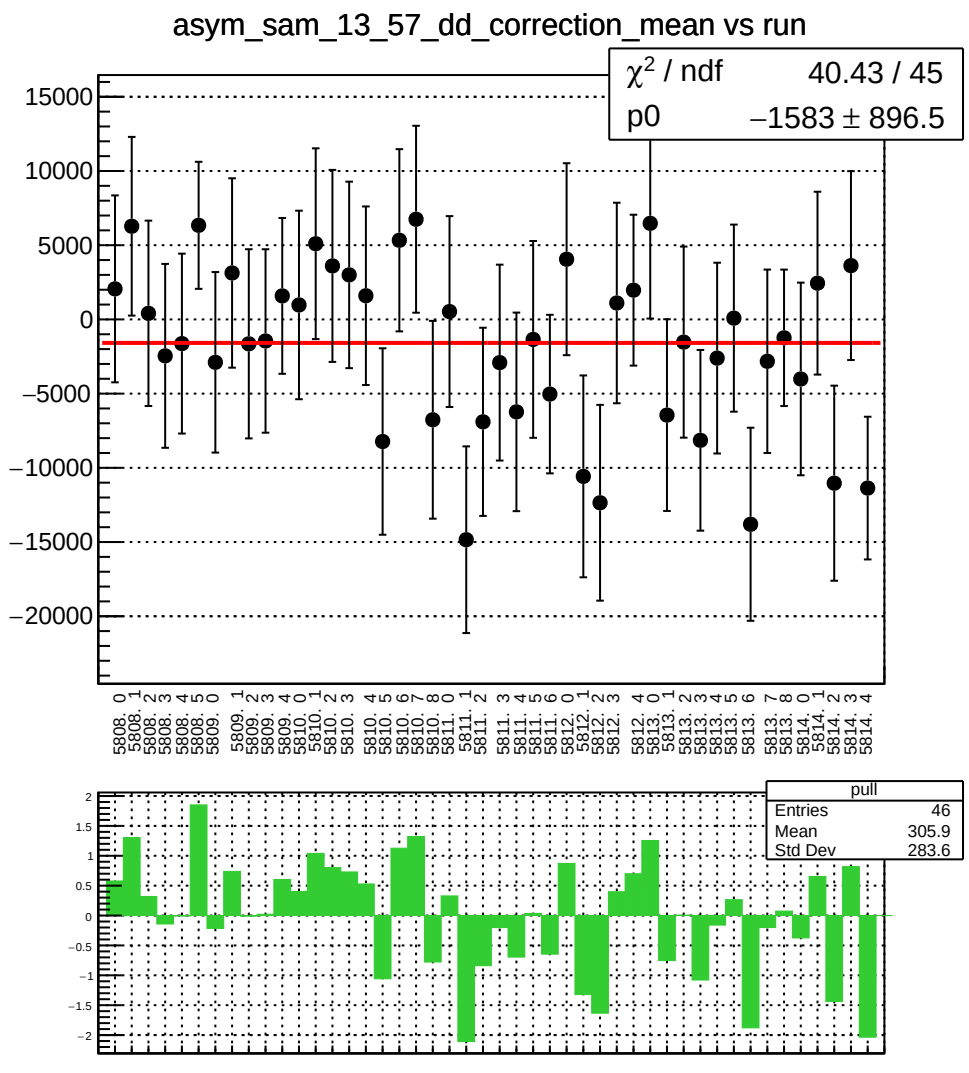

asym_sam_48_dd_mean vs run
χ² / ndf 48.69 / 45
p0 966 ± 1446
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 796.8
Std Dev 775.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.001775
Std Dev 1.029
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

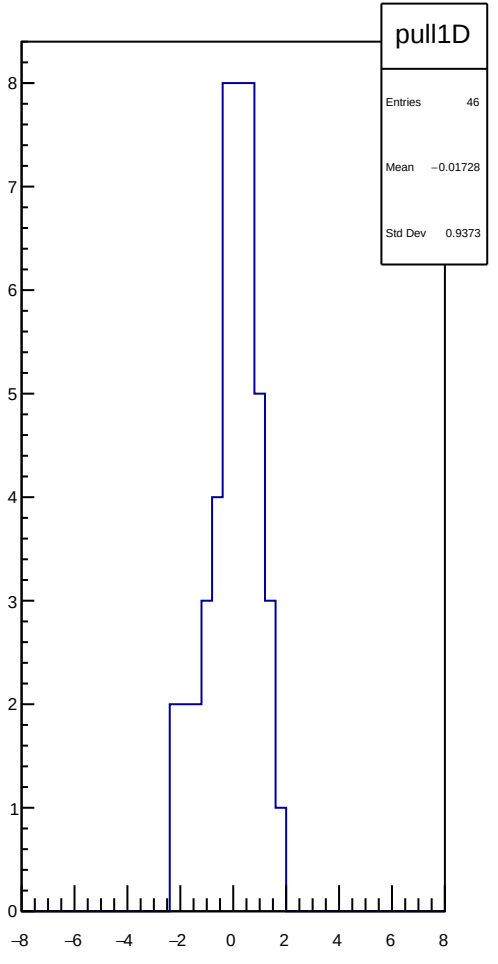

asym_sam_48_dd_rms vs run
χ² / ndf 1839 / 45
p0 972.8 ± 1.022
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

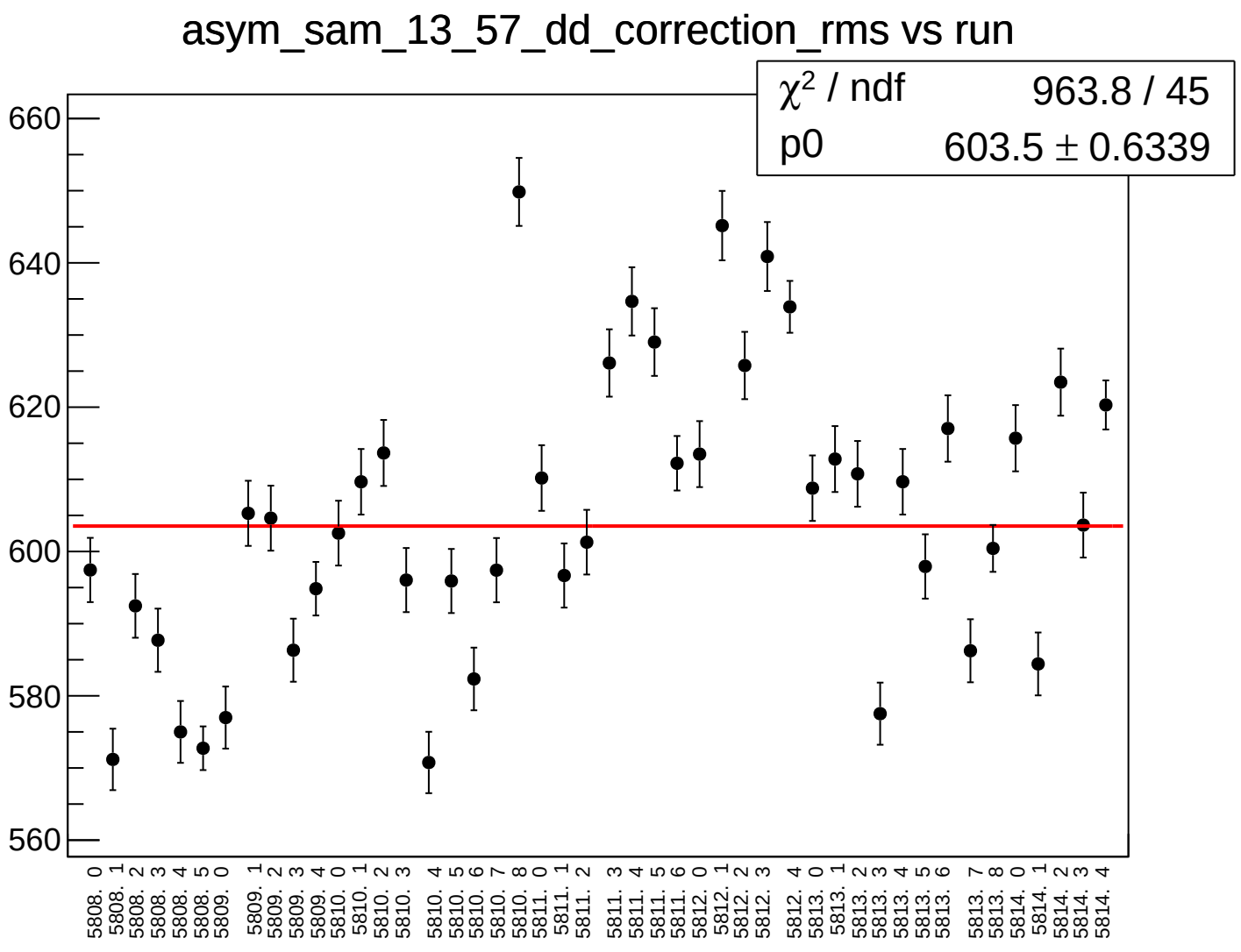

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 52.22 / 45
p0 22.42 ± 93.85
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −199.9
Std Dev 229.9
2
1
0
−1
−2

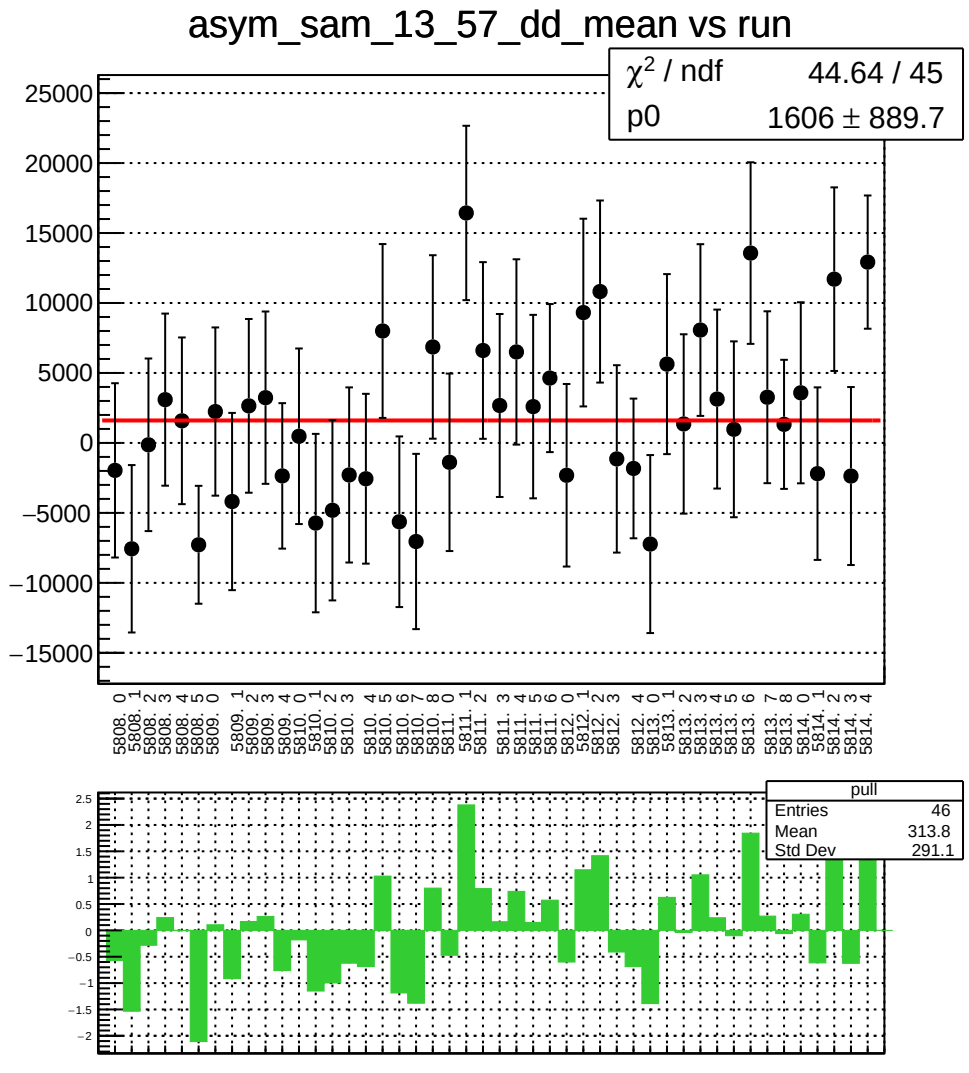

pull1D
Entries 46
Mean −0.01266
Std Dev 1.065
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

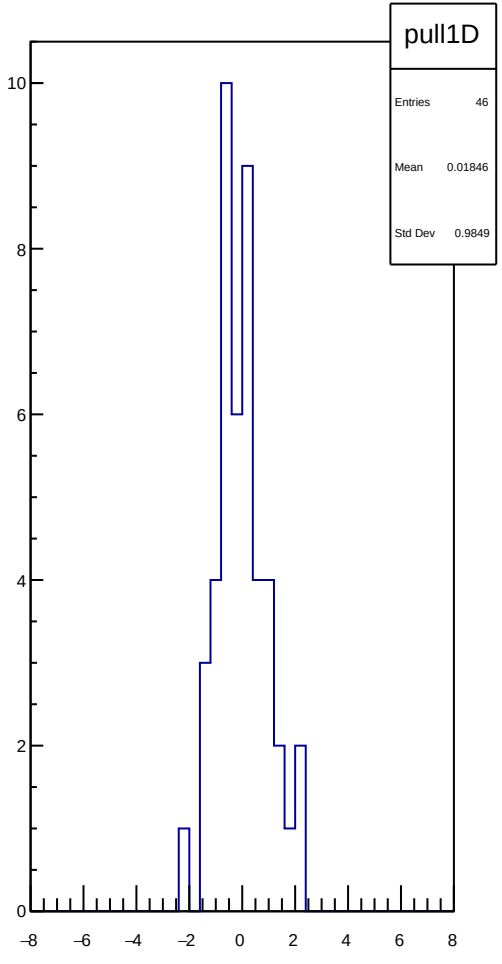

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1664 / 45
p0 63.16 ± 0.06636
68
66
64
62
60
58
56
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

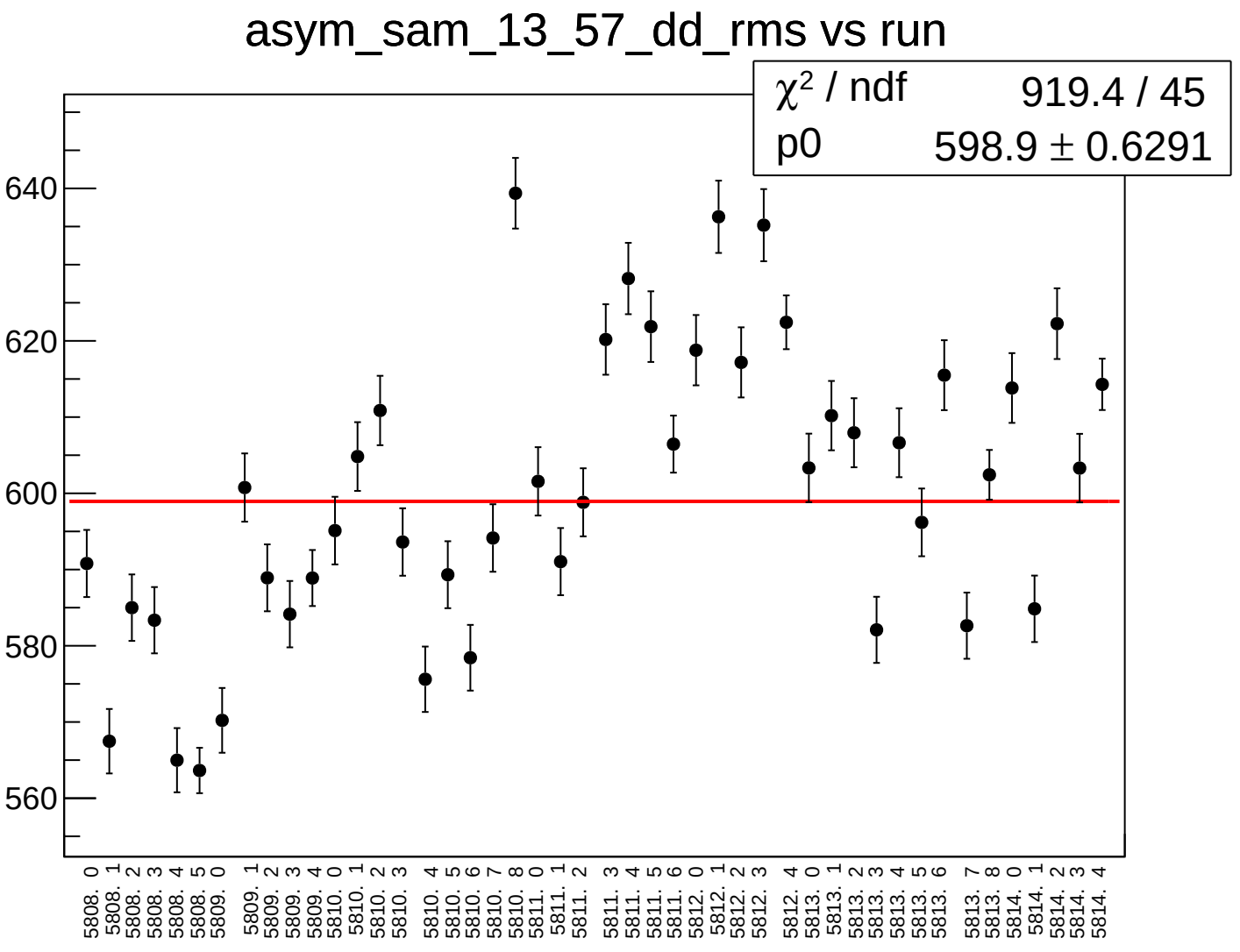

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 40.43 / 45
p0 −1583 ± 896.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 305.9
Std Dev 283.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

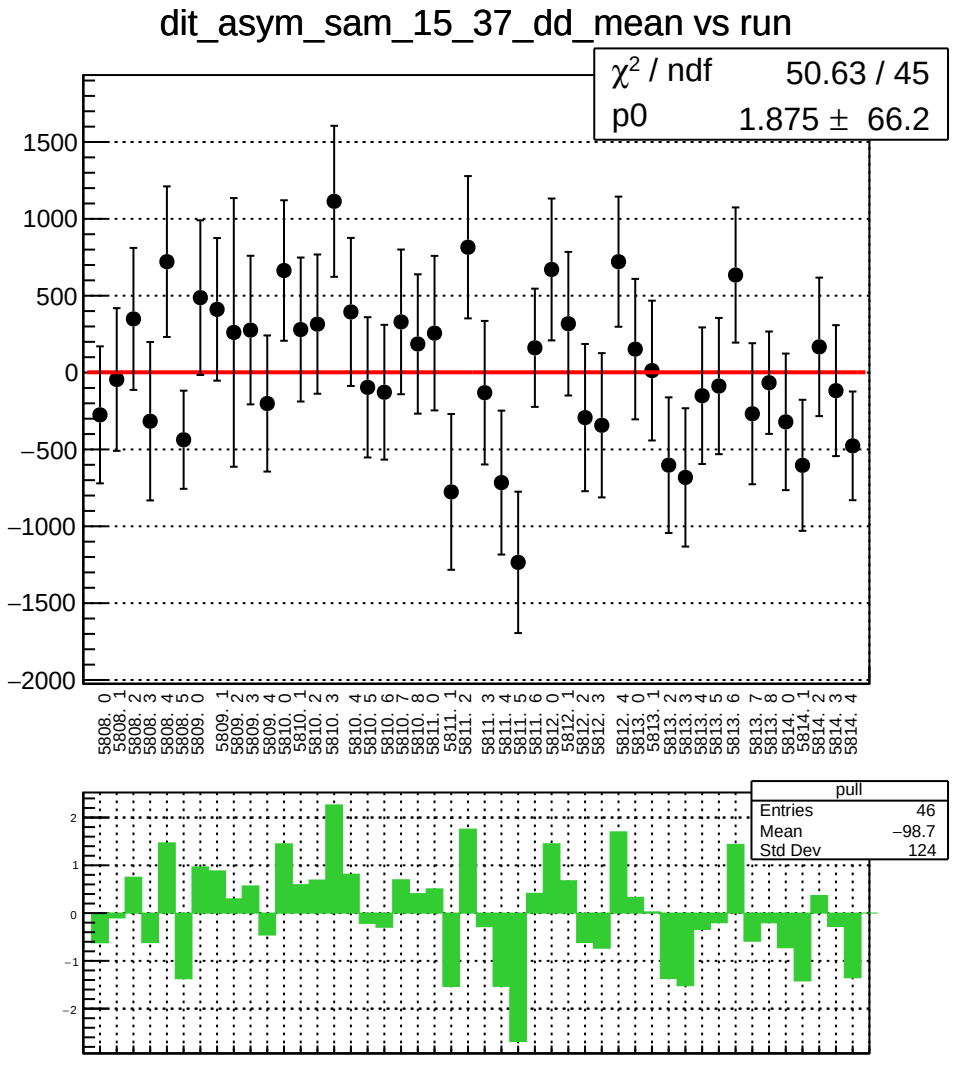

pull1D
Entries 46
Mean −0.01728
Std Dev 0.9373
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

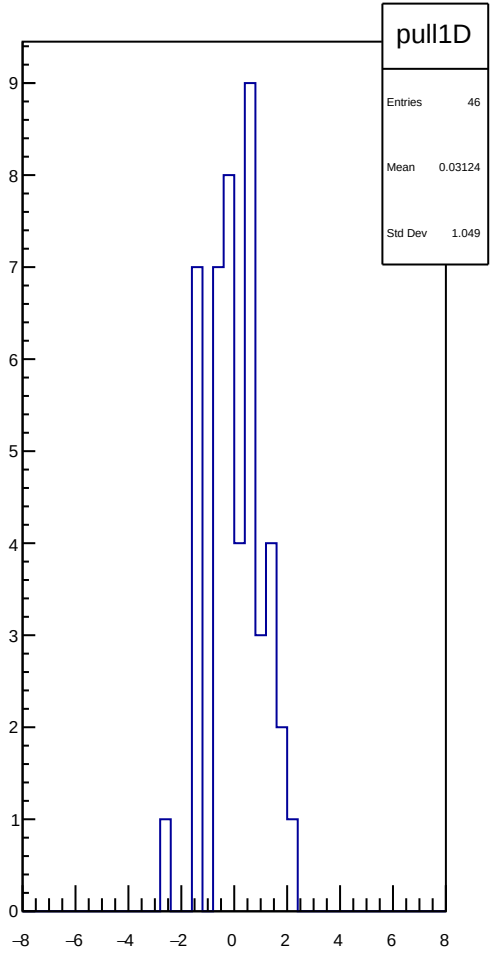

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 963.8 / 45
p0 603.5 ± 0.6339
660
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

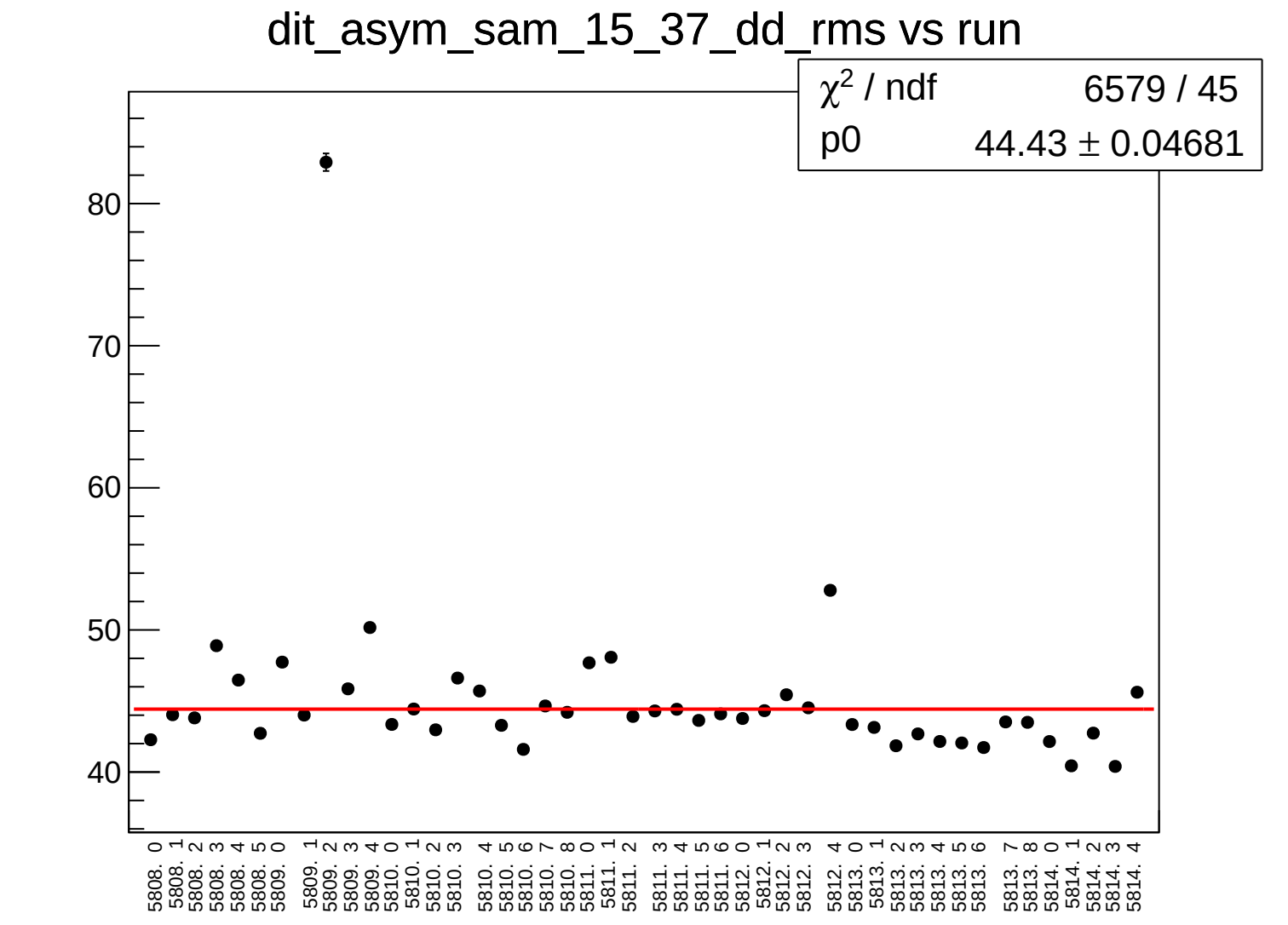

asym_sam_13_57_dd_mean vs run
χ² / ndf 44.64 / 45
p0 1606 ± 889.7
pull
Entries 46
Mean 313.8
Std Dev 291.1

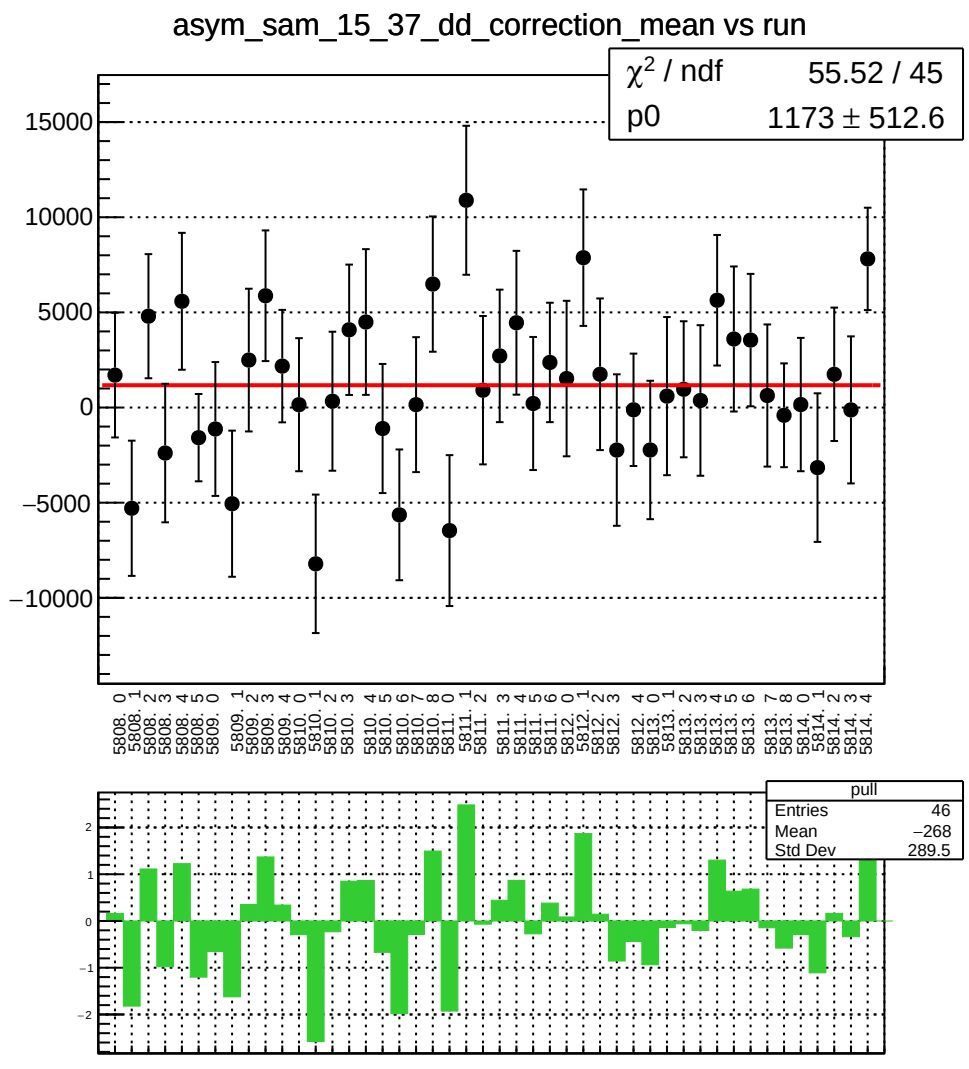

pull1D
Entries 46
Mean 0.01846
Std Dev 0.9849

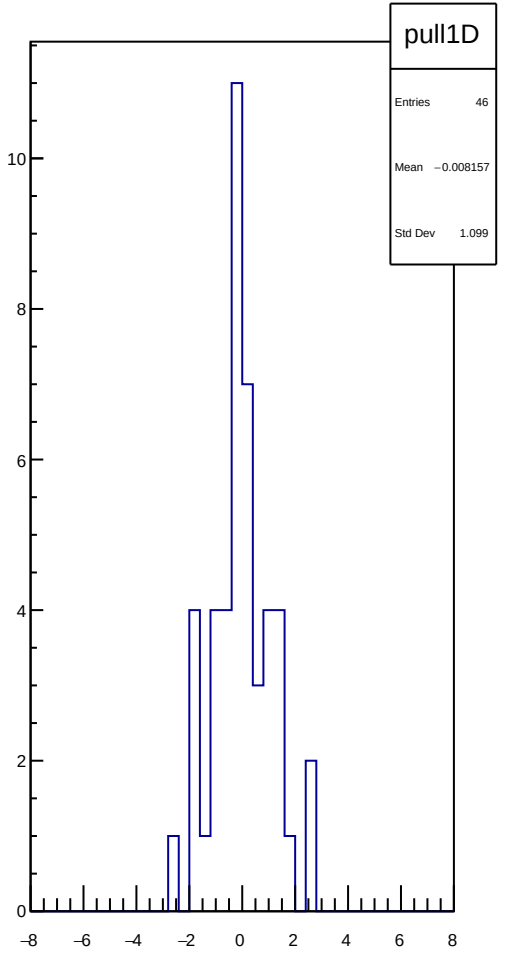

asym_sam_13_57_dd_rms vs run
χ² / ndf 919.4 / 45
p0 598.9 ± 0.6291
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

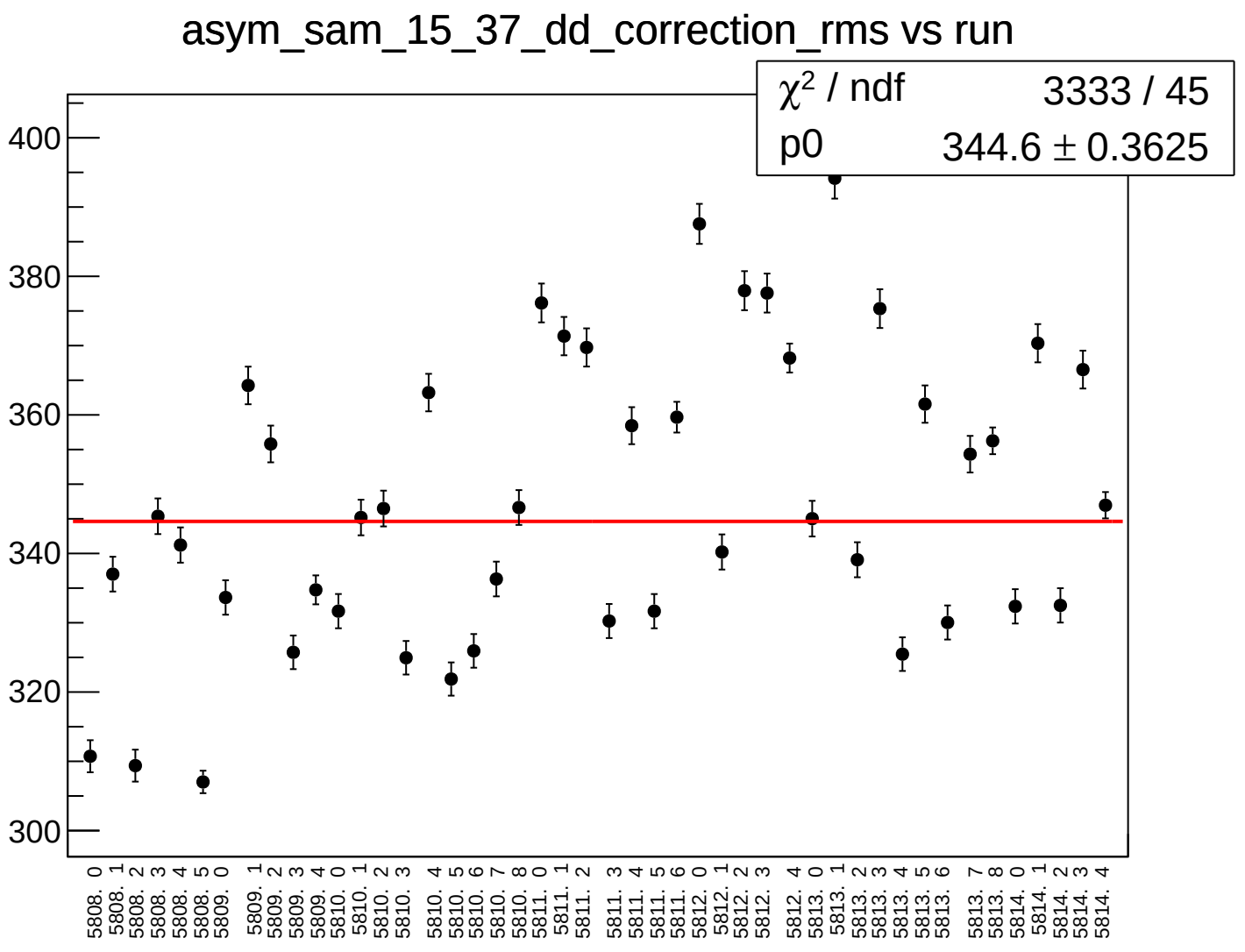

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.63 / 45
p0 1.875 ± 66.2
pull
Entries 46
Mean −98.7
Std Dev 124

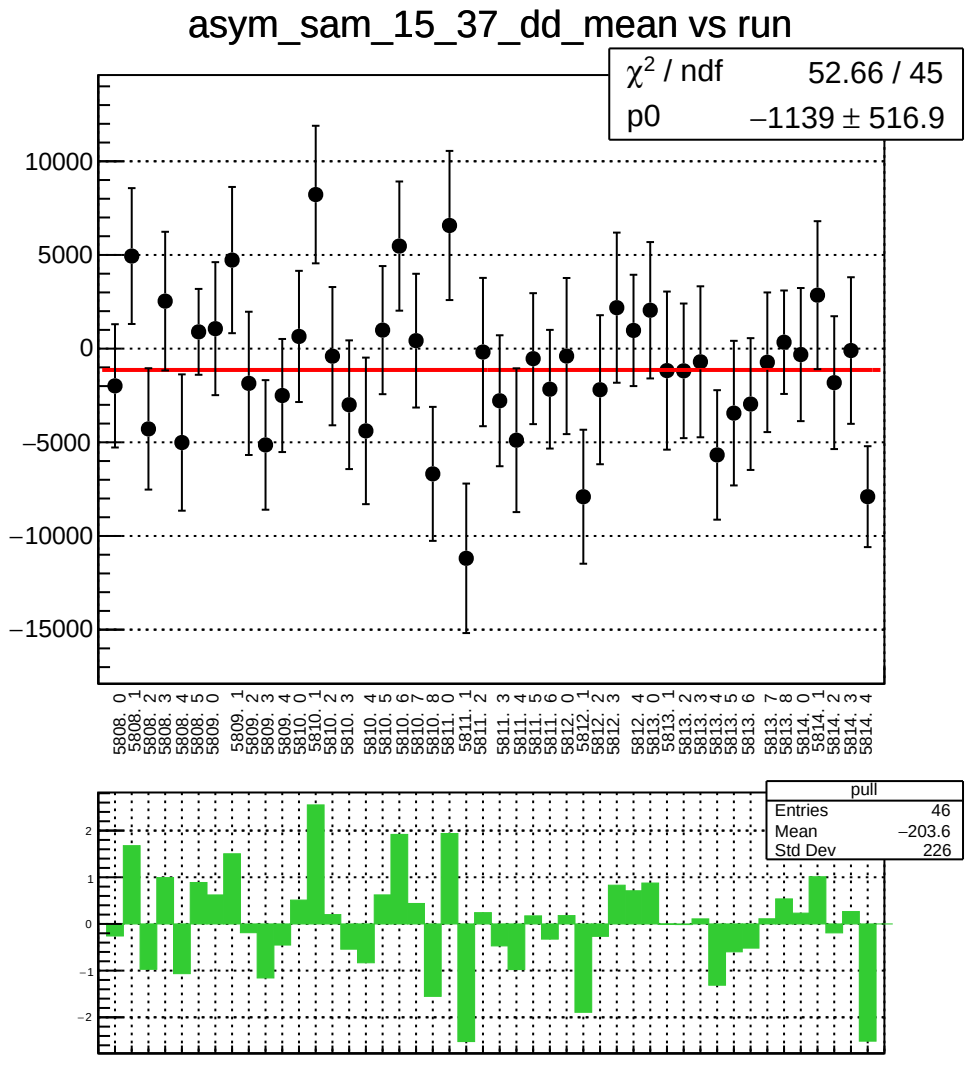

pull1D
Entries 46
Mean 0.03124
Std Dev 1.049

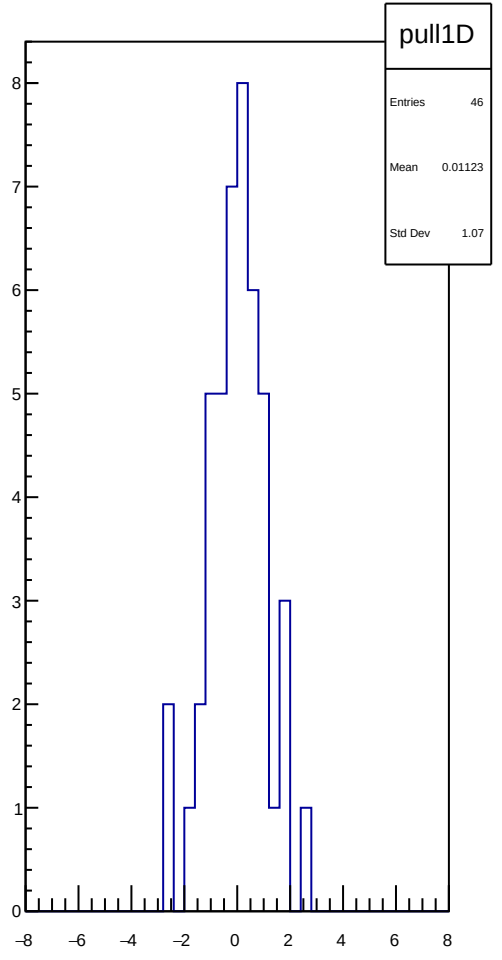

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6579 / 45
p0 44.43 ± 0.04681
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

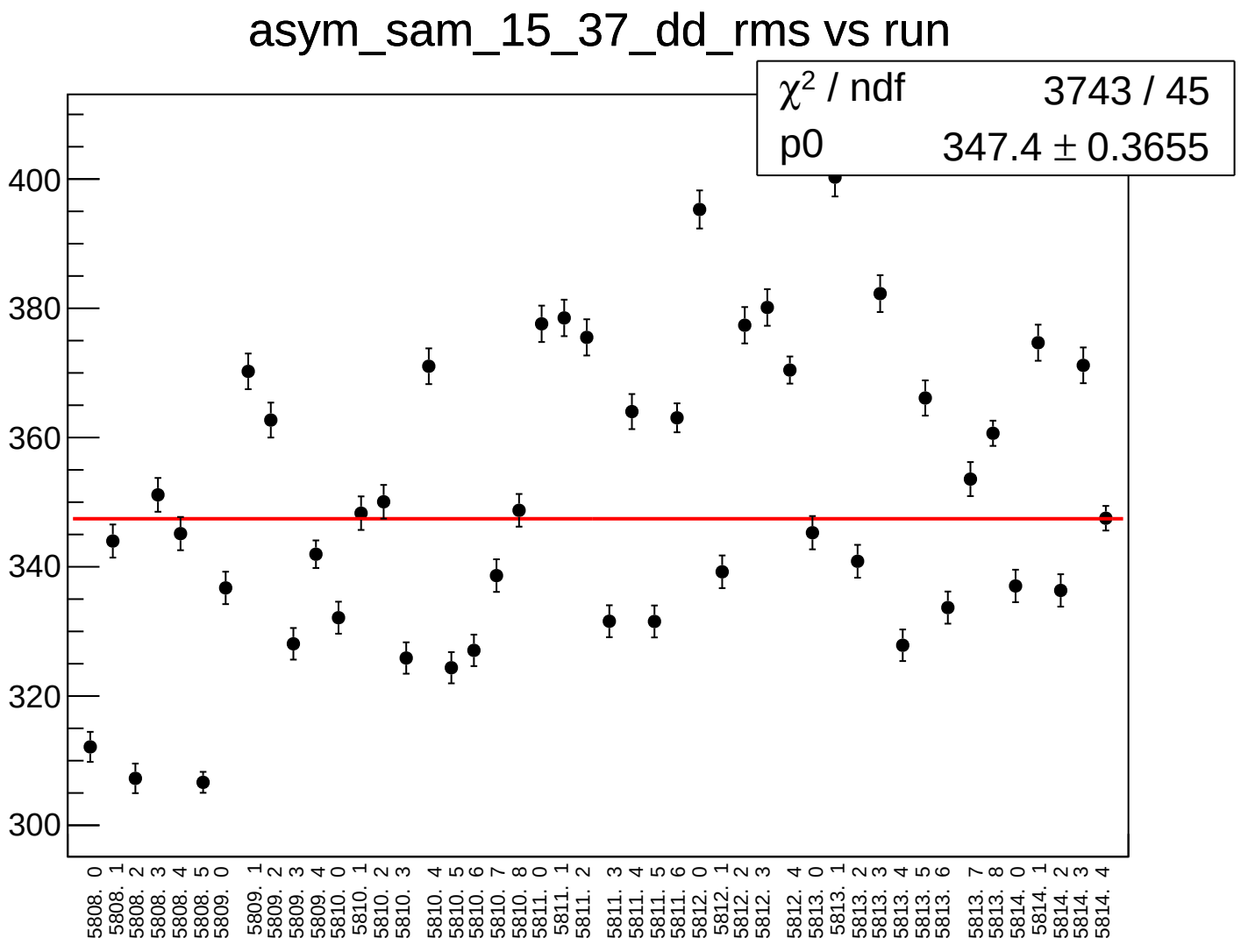

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 55.52 / 45
p0 1173 ± 512.6
15000
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −268
Std Dev 289.5
2
1
0
−1
−2

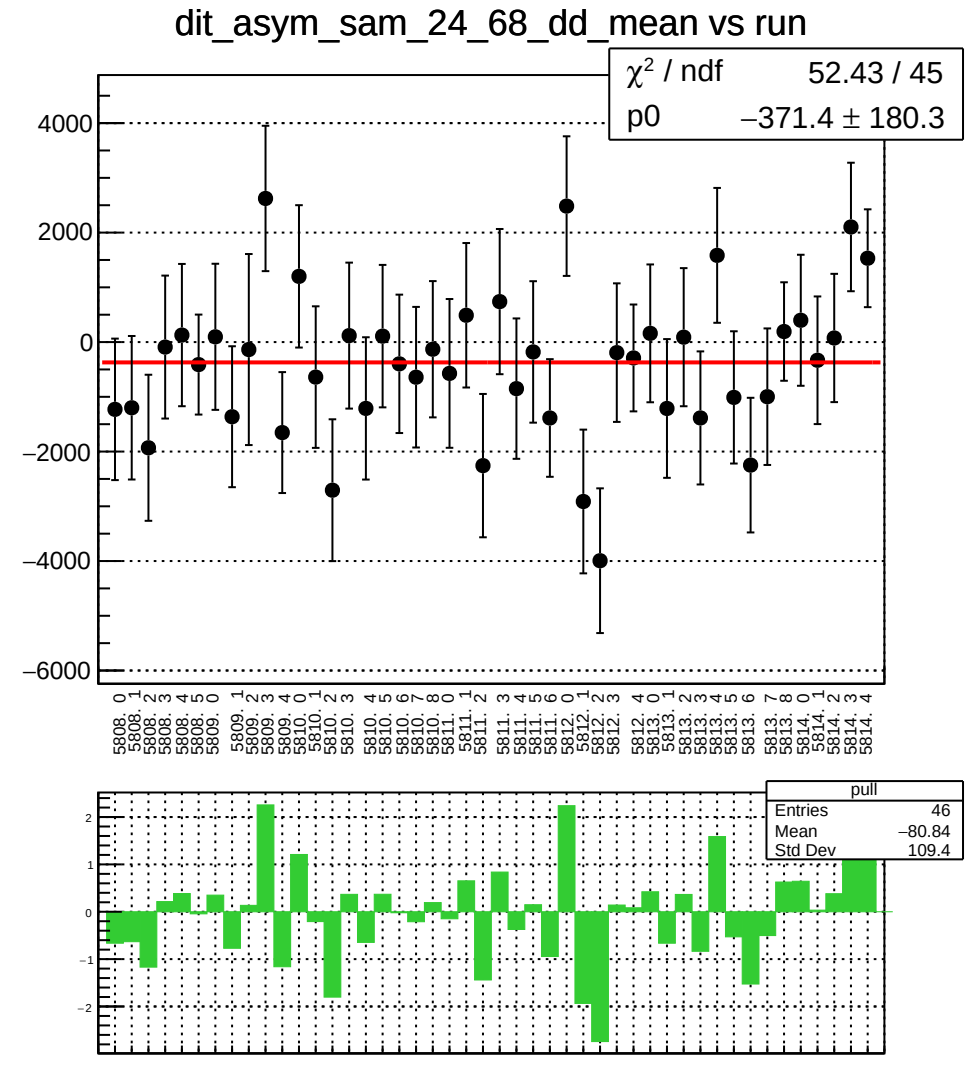

pull1D
Entries 46
Mean −0.008157
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

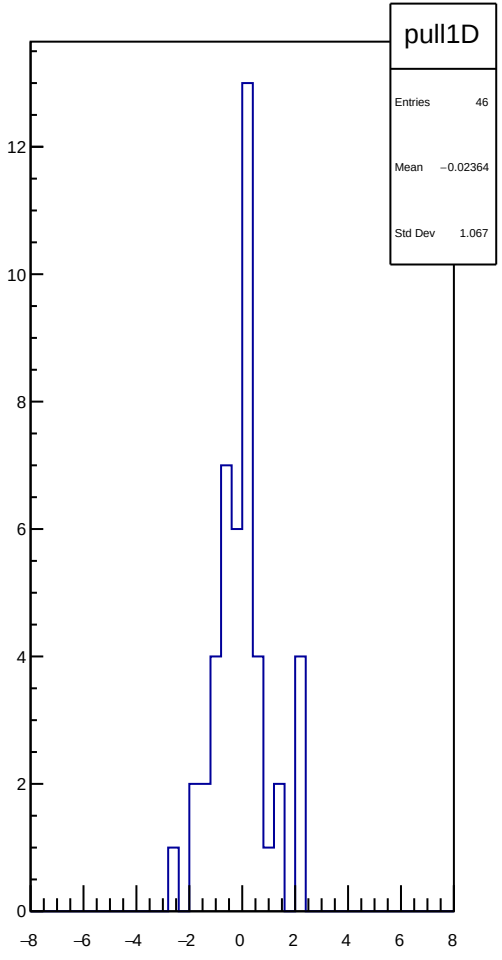

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3333 / 45
p0 344.6 ± 0.3625
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

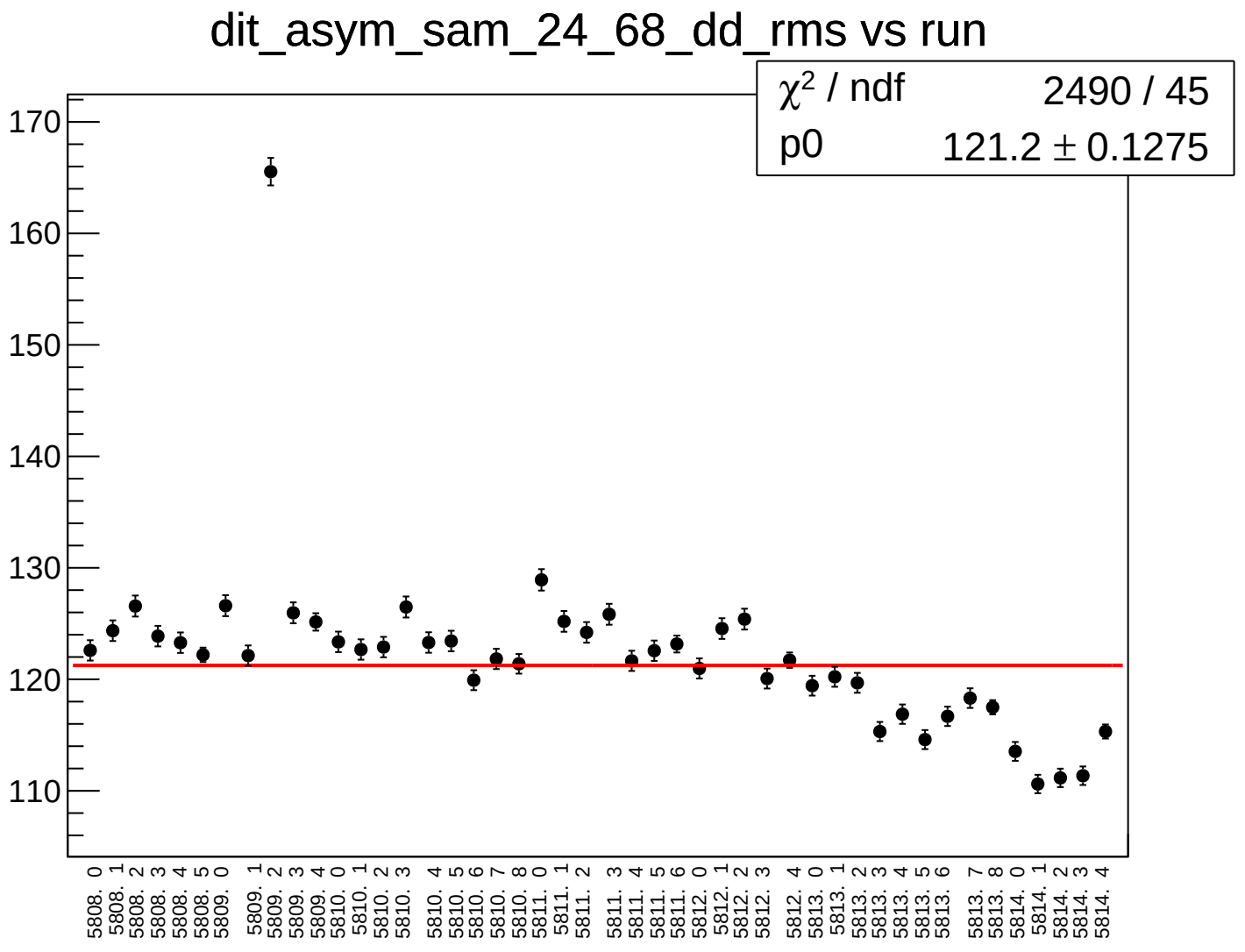

asym_sam_15_37_dd_mean vs run
χ² / ndf 52.66 / 45
p0 −1139 ± 516.9
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −203.6
Std Dev 226
2
1
0
−1
−2

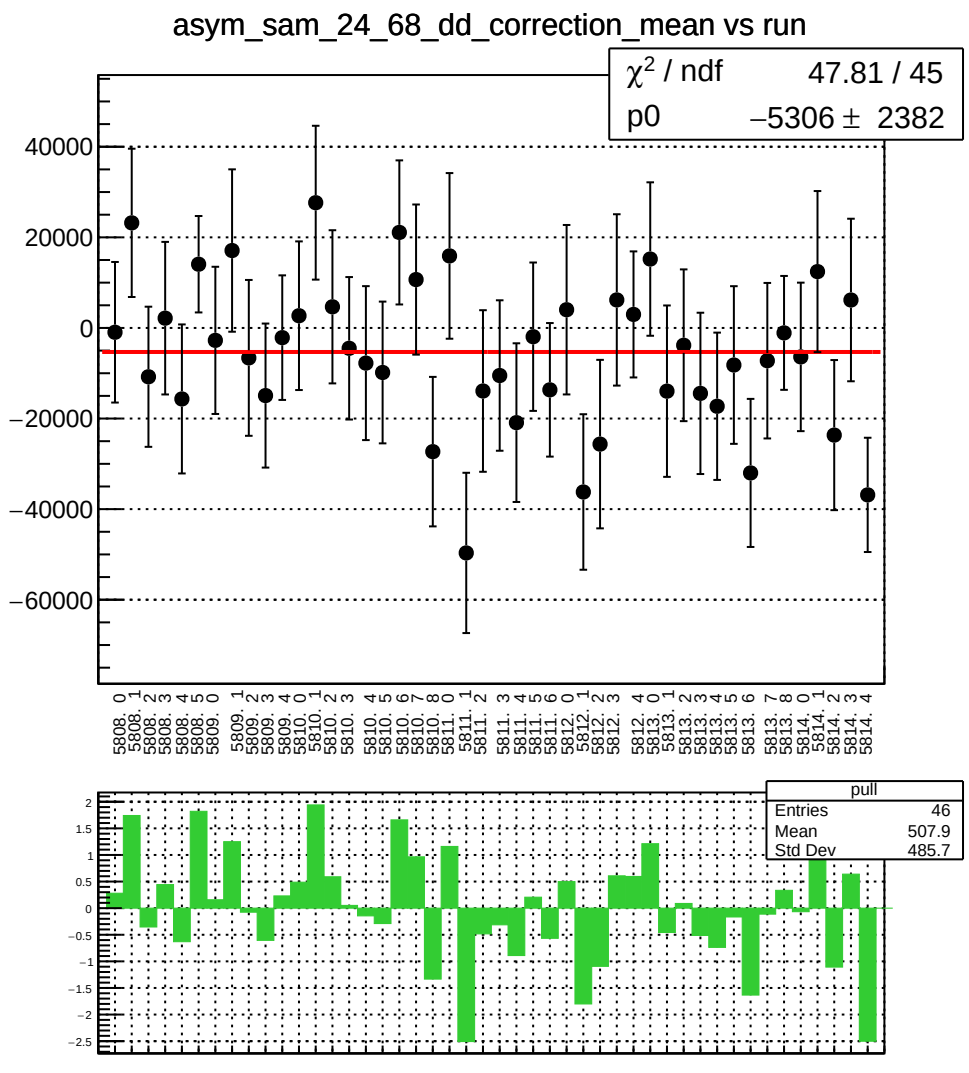

pull1D
Entries 46
Mean 0.01123
Std Dev 1.07
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

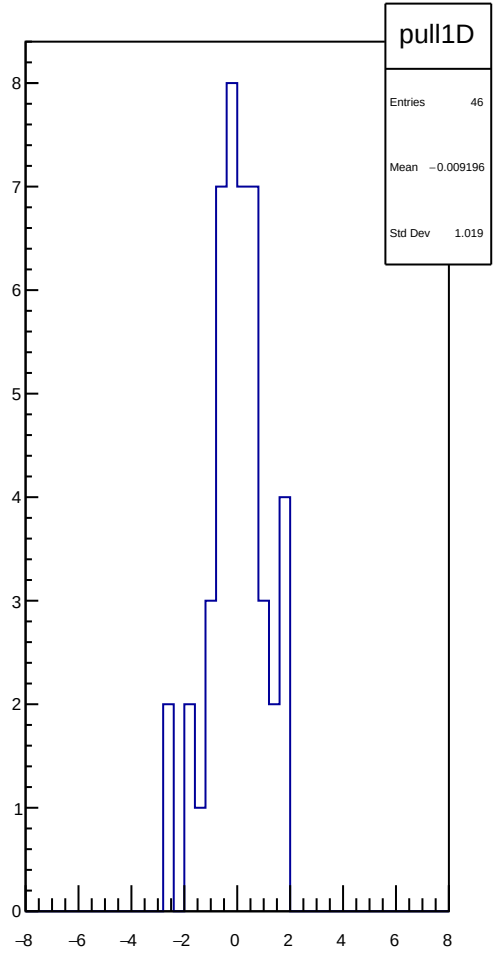

asym_sam_15_37_dd_rms vs run
χ² / ndf 3743 / 45
p0 347.4 ± 0.3655
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

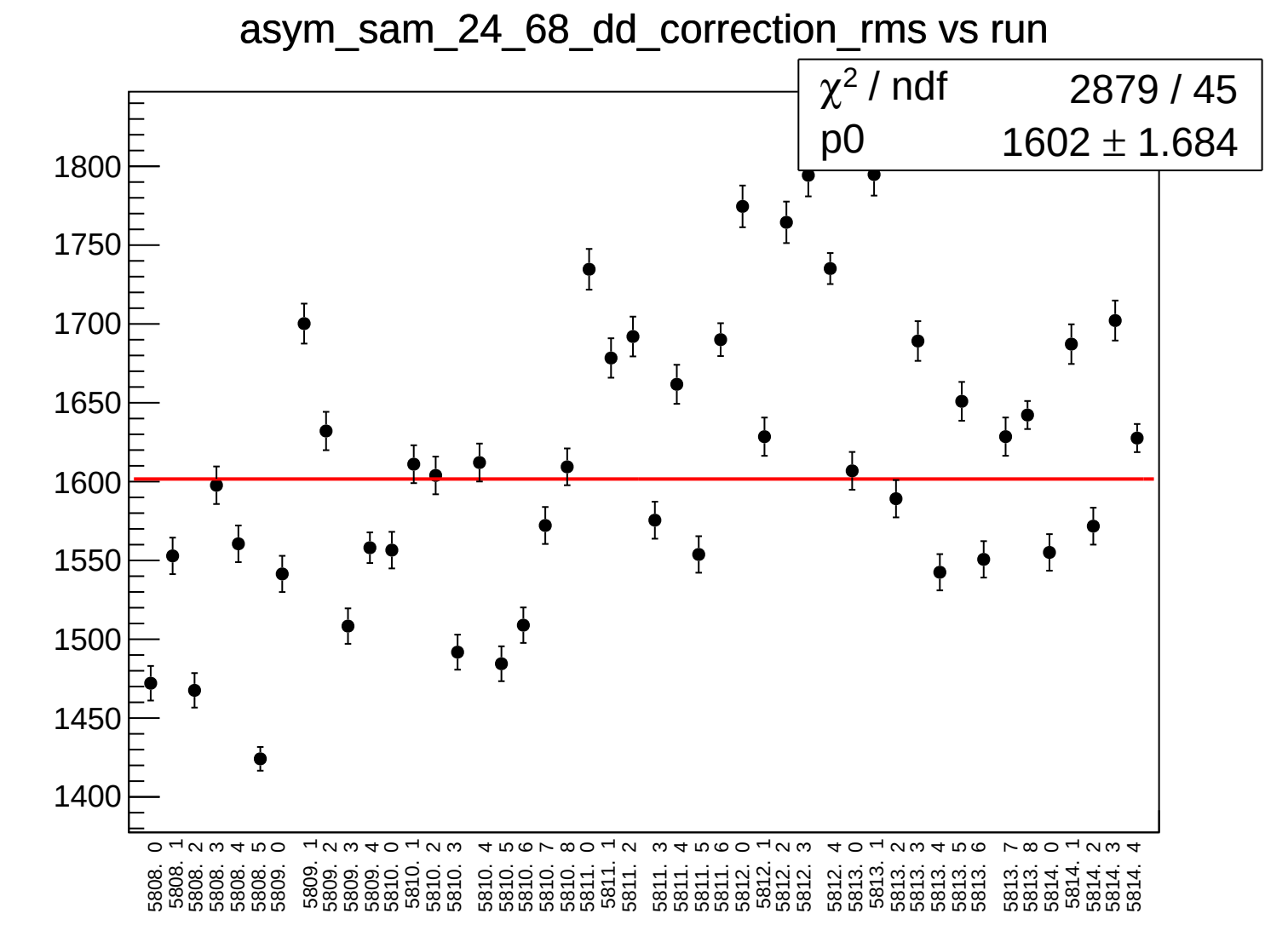

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 52.43 / 45
p0 −371.4 ± 180.3
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −80.84
Std Dev 109.4
2
1
0
−1
−2

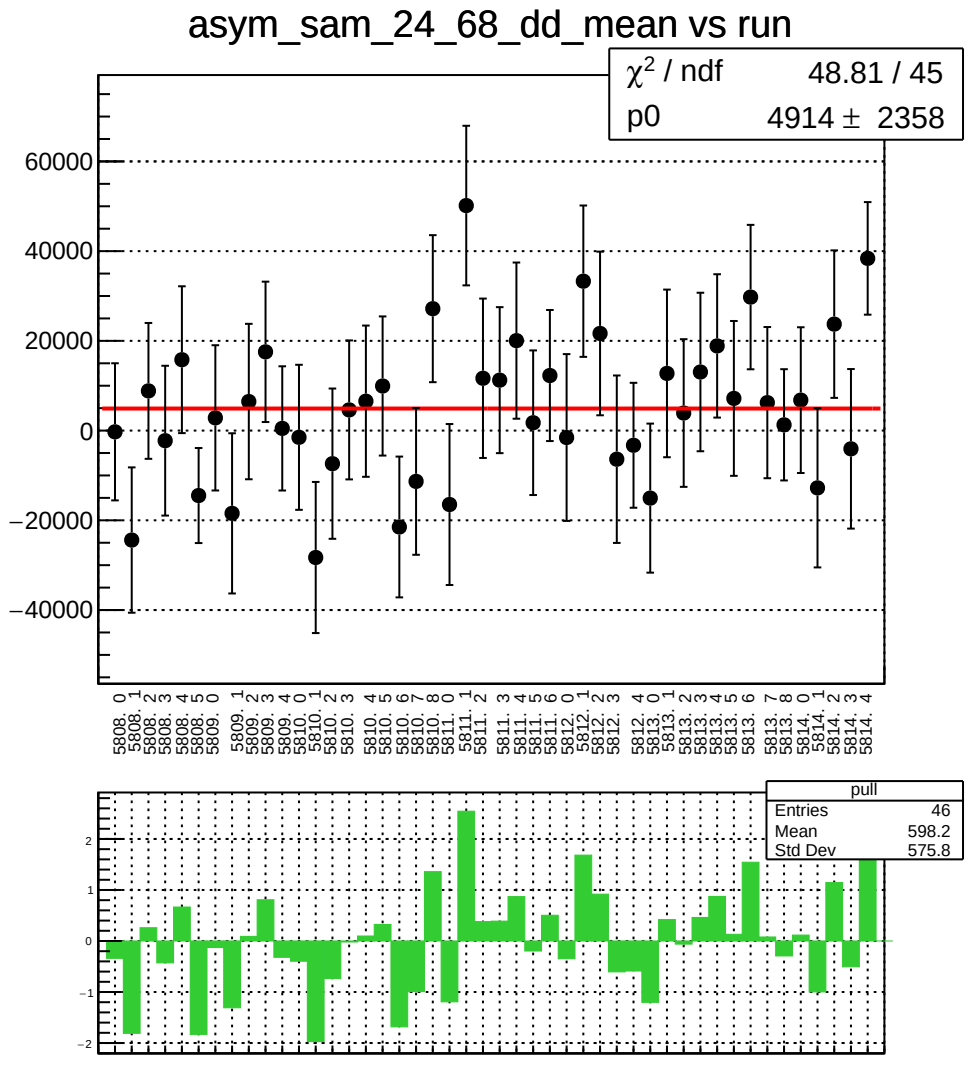

pull1D
Entries 46
Mean −0.02364
Std Dev 1.067
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

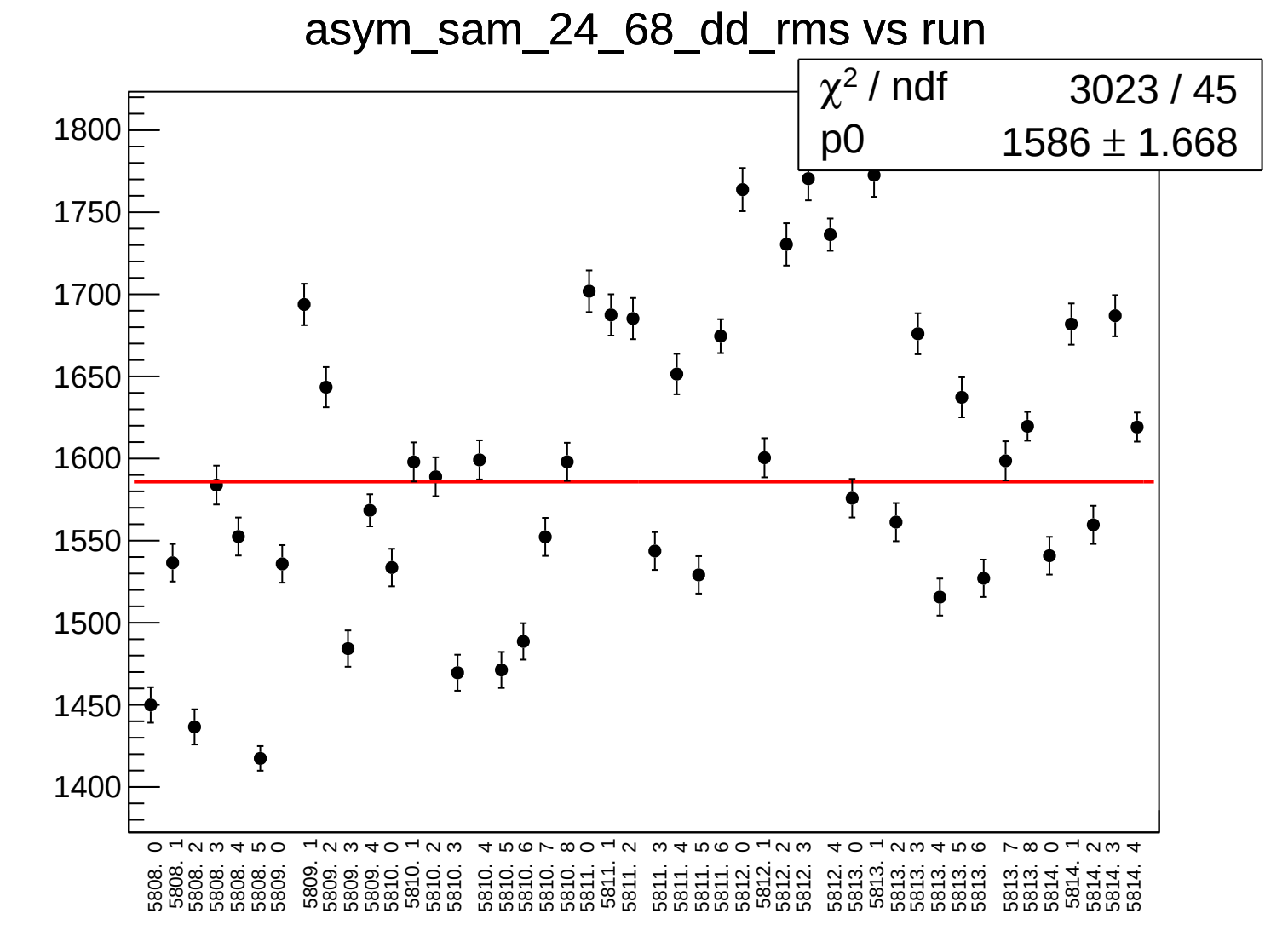

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2490 / 45
p0 121.2 ± 0.1275
170
160
150
140
130
120
110
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

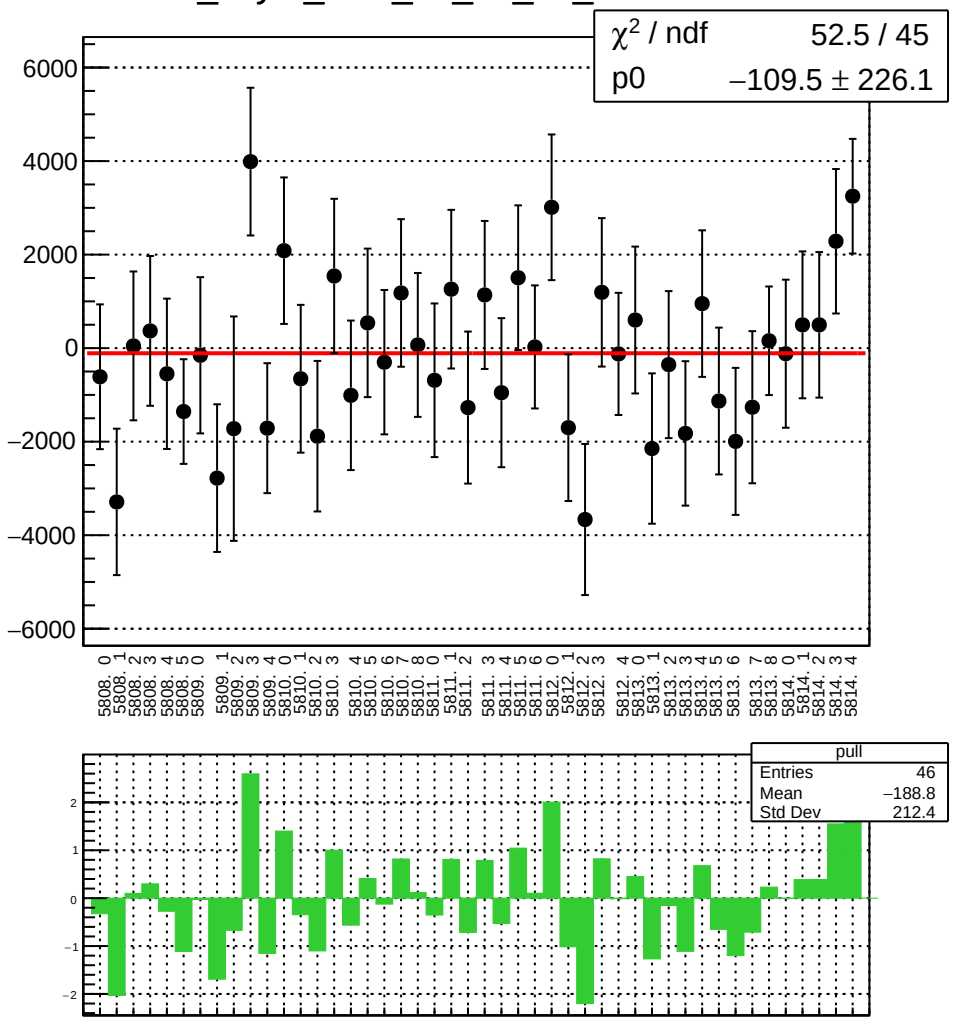

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 47.81 / 45
p0 −5306 ± 2382
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 507.9
Std Dev 485.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

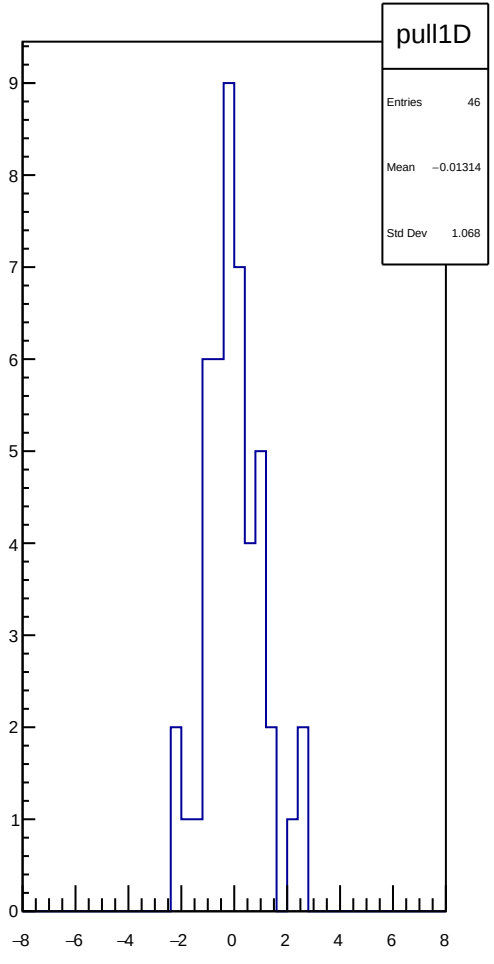

pull1D
Entries 46
Mean −0.009196
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

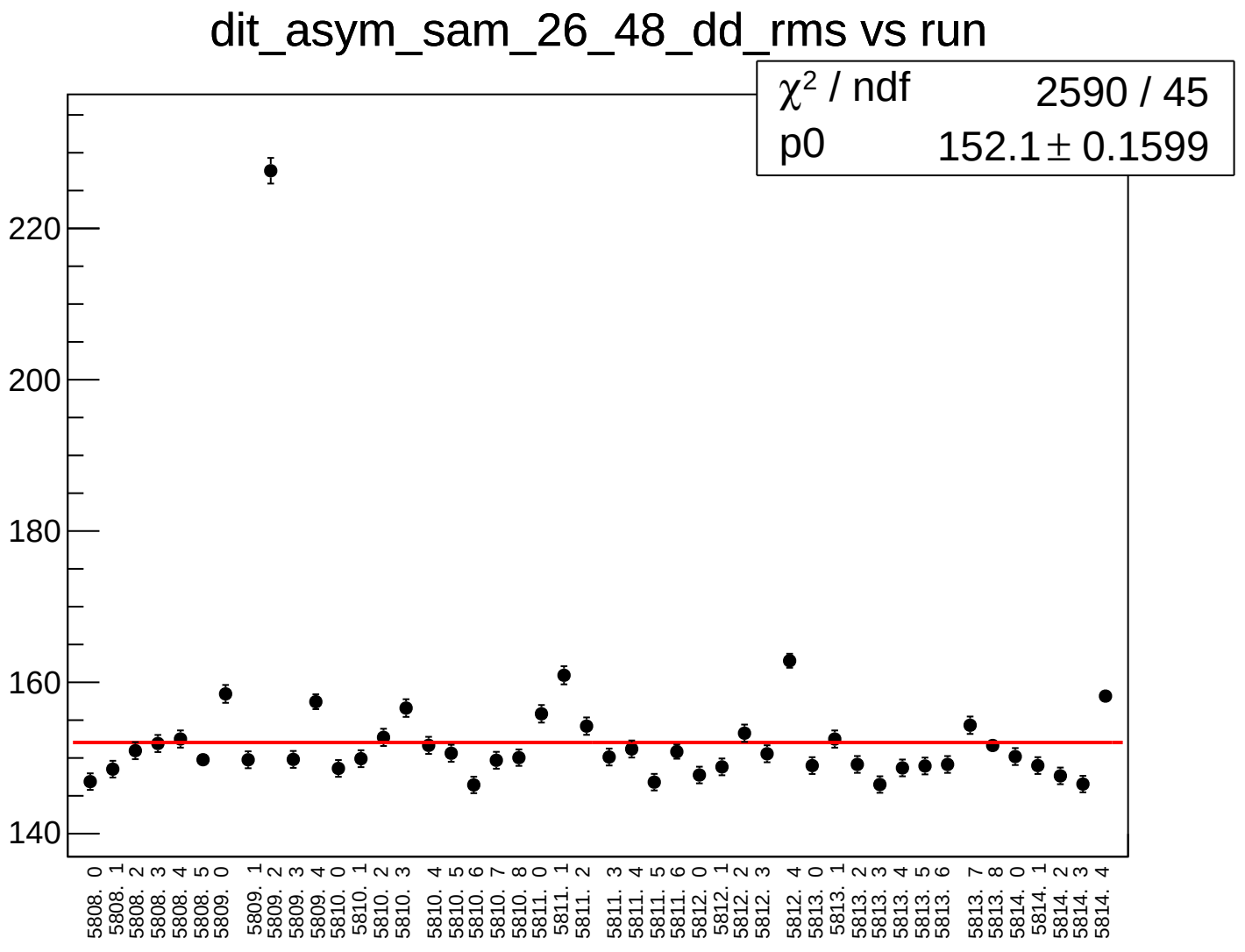

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2879 / 45
p0 1602 ± 1.684
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_sam_24_68_dd_mean vs run
χ² / ndf 48.81 / 45
p0 4914 ± 2358
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 598.2
Std Dev 575.8
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.008127
Std Dev 1.03
9
8
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 3023 / 45
p0 1586 ± 1.668
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 52.5 / 45
p0 −109.5 ± 226.1
pull
Entries 46
Mean −188.8
Std Dev 212.4


pull1D
Entries 46
Mean −0.01314
Std Dev 1.068


dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2590 / 45
p0 152.1 ± 0.1599
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
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5813. 4
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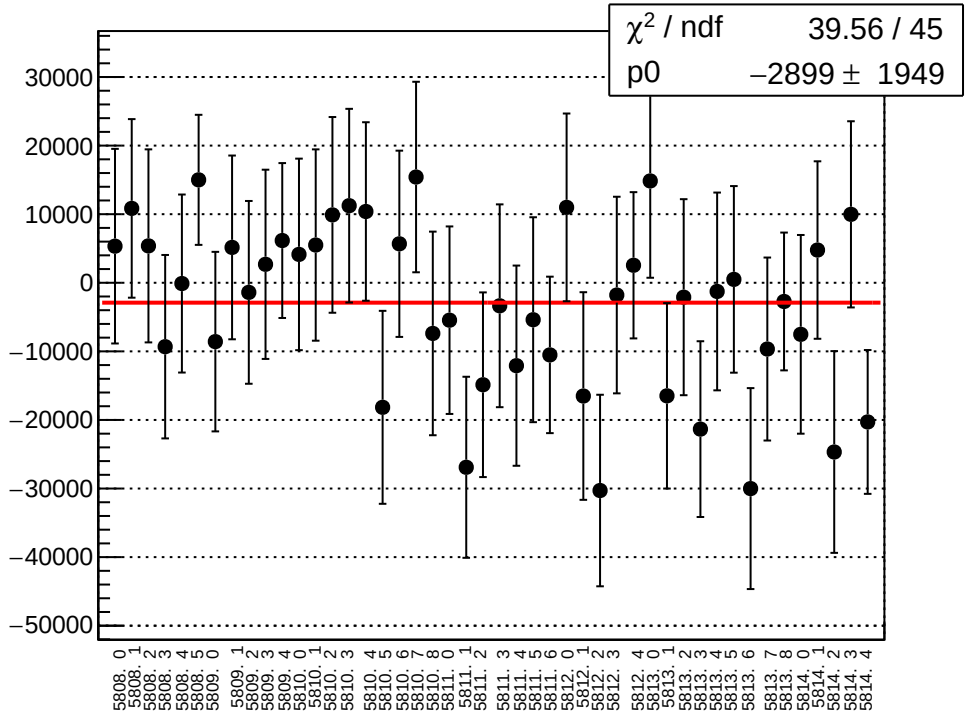
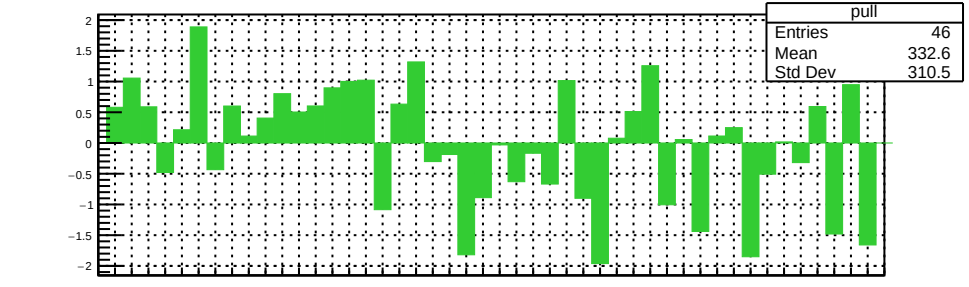
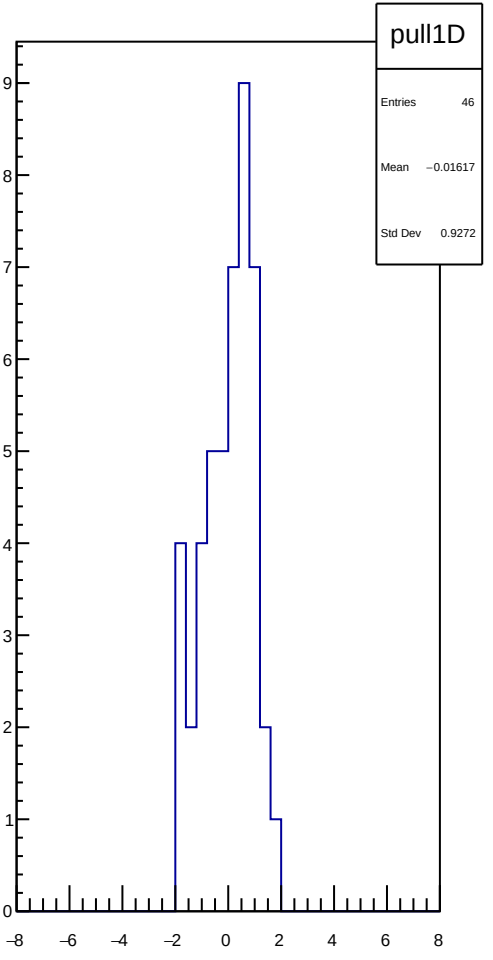
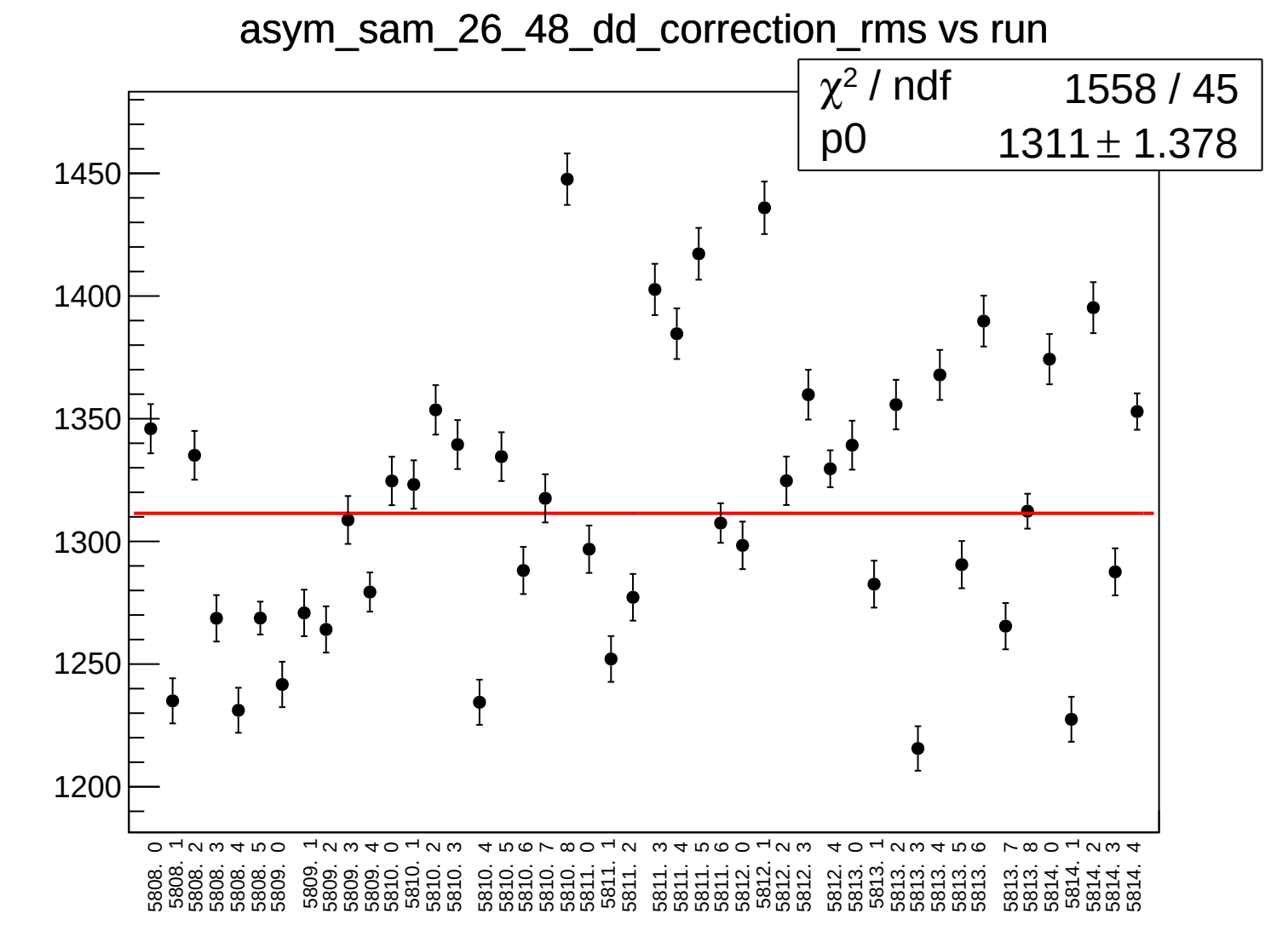
5814. 2
5814. 3
5814. 4

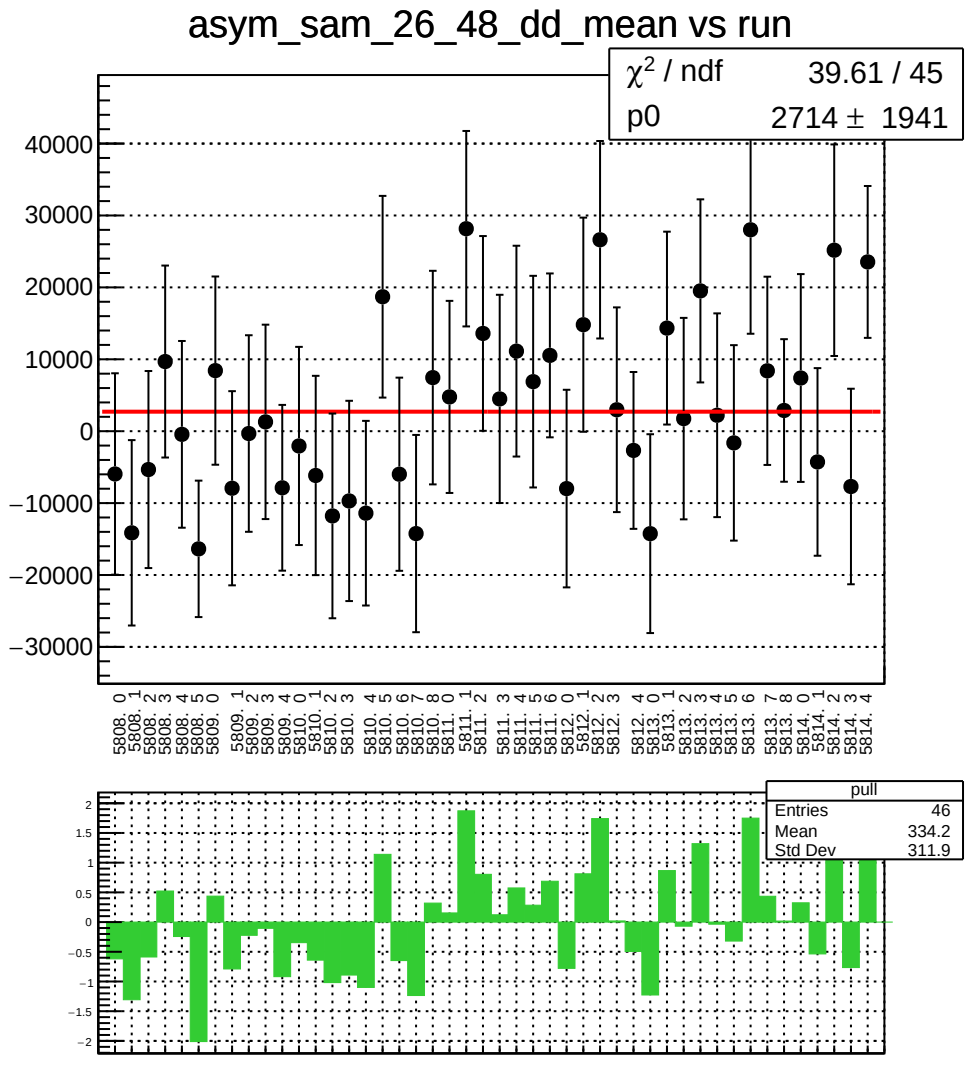
asym_sam_26_48_dd_correction_mean vs run

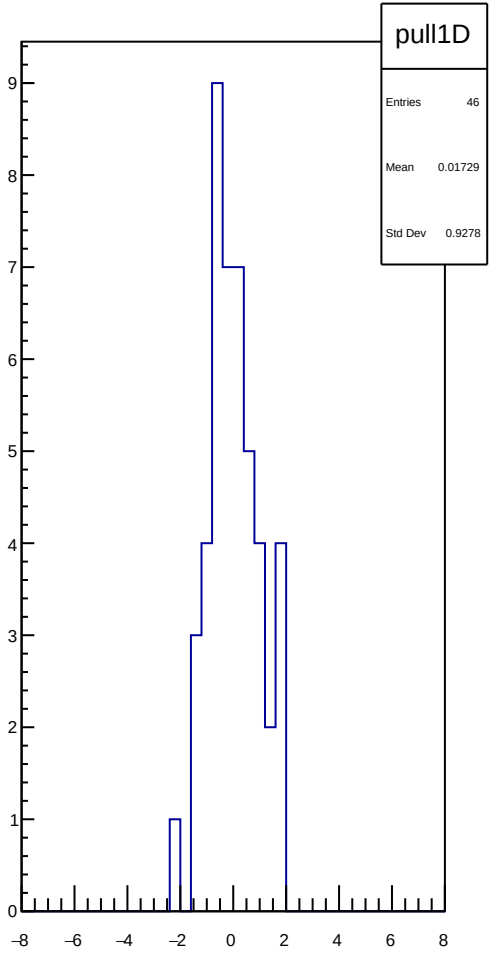


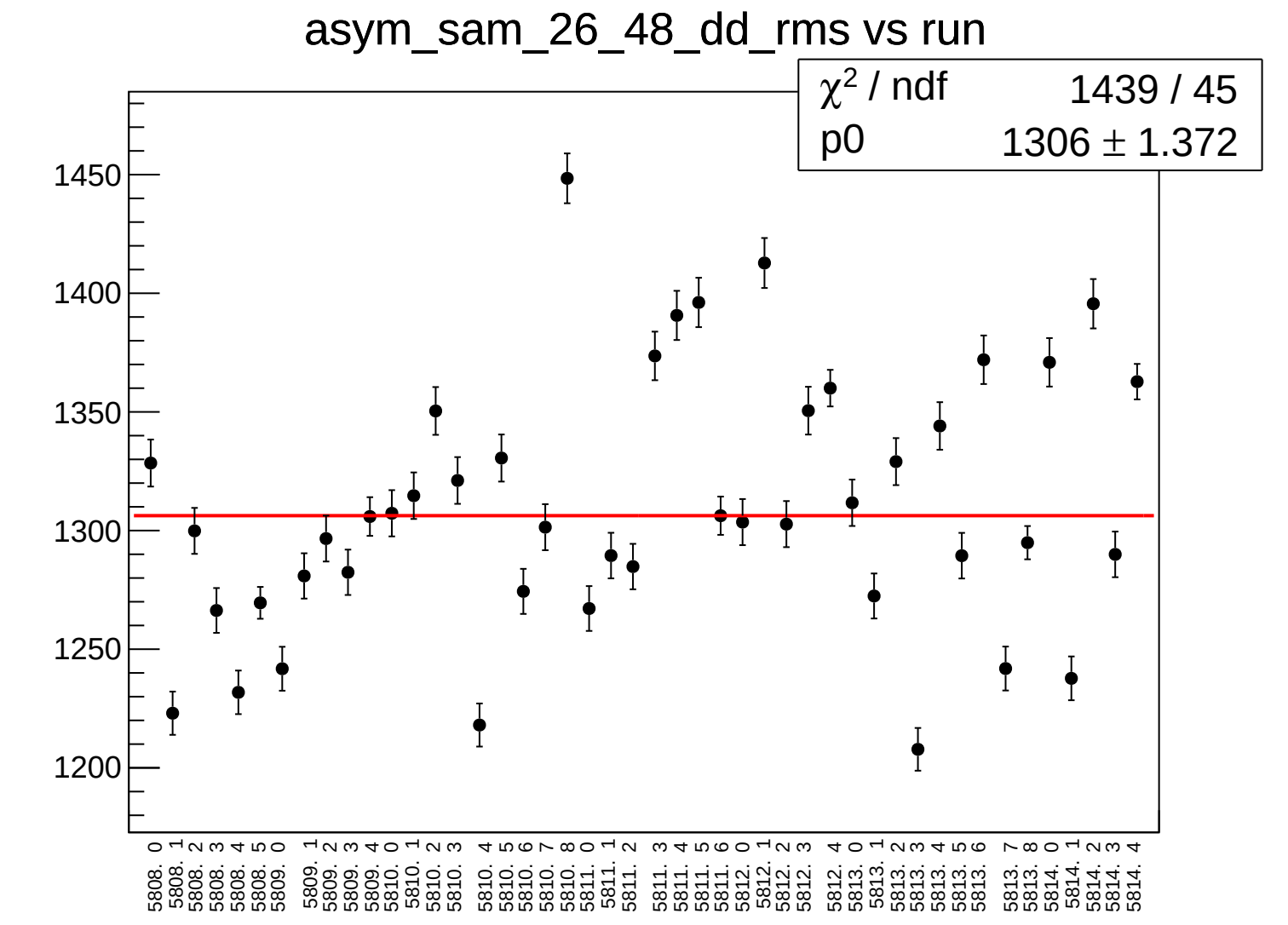


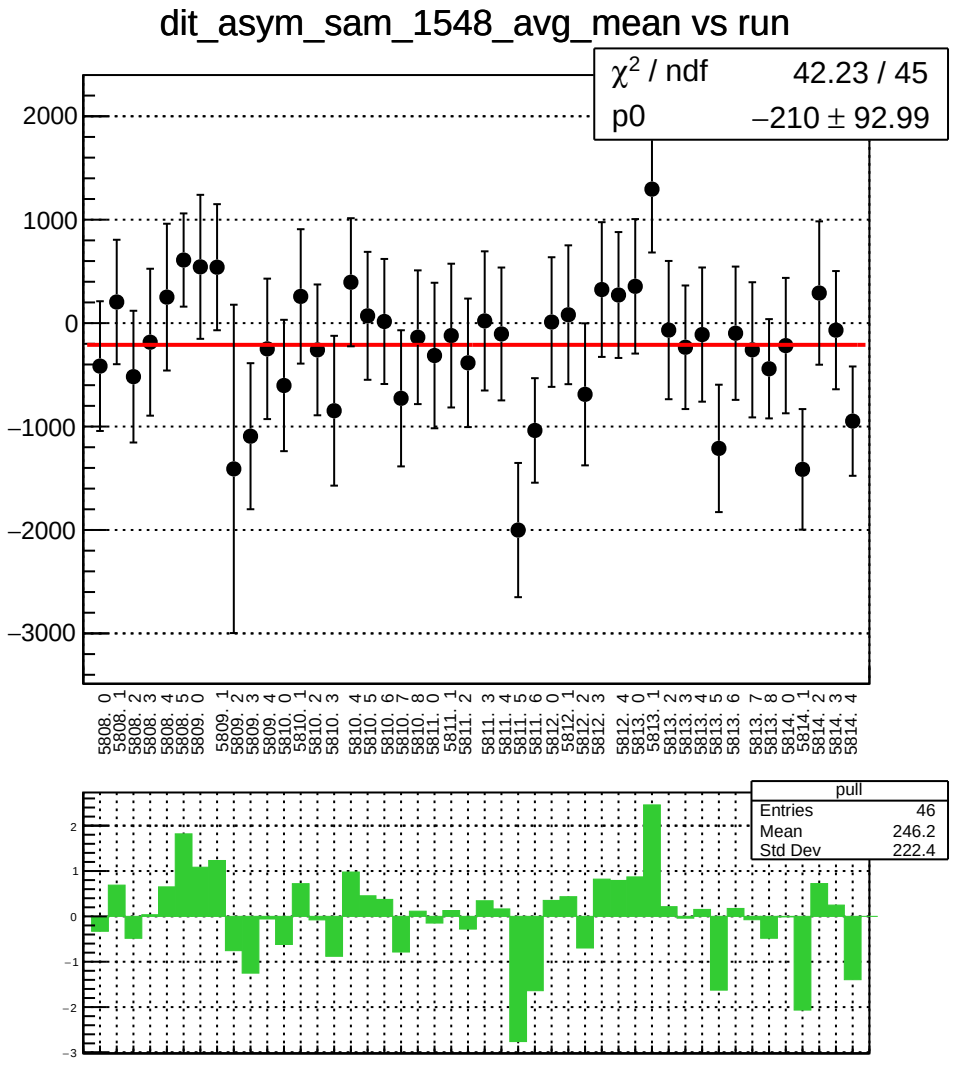


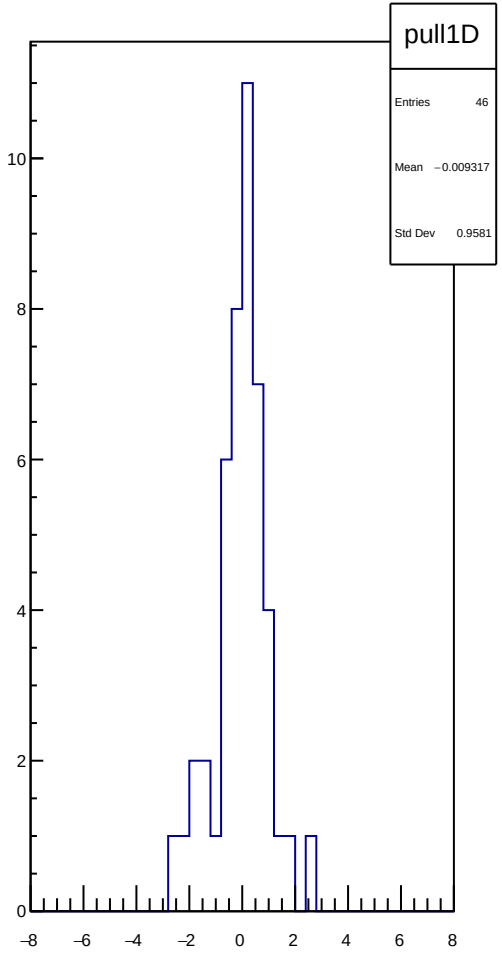

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1558 / 45
p0 1311 ± 1.378
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

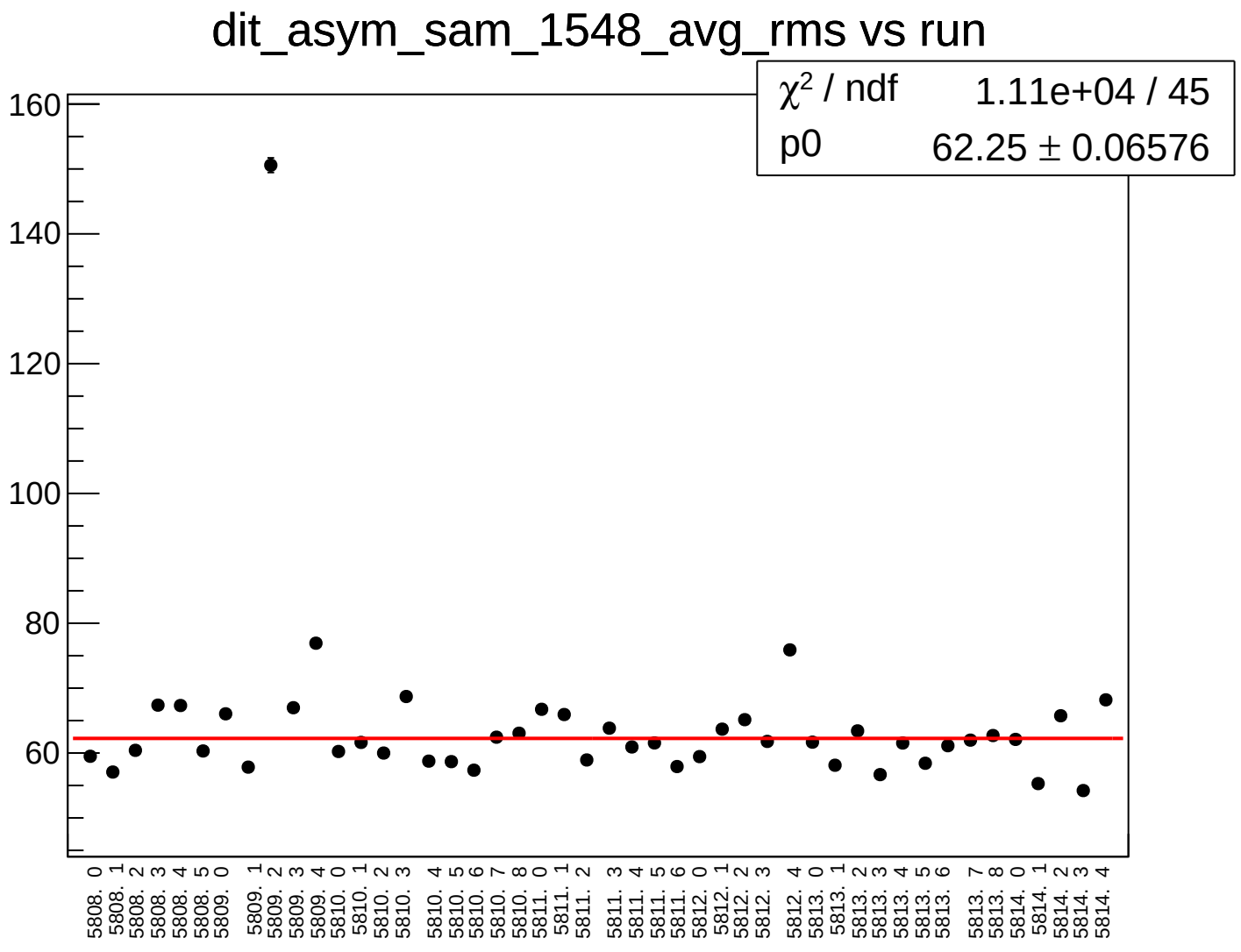

asym_sam_26_48_dd_mean vs run
χ² / ndf 39.61 / 45
p0 2714 ± 1941
40000
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 334.2
Std Dev 311.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

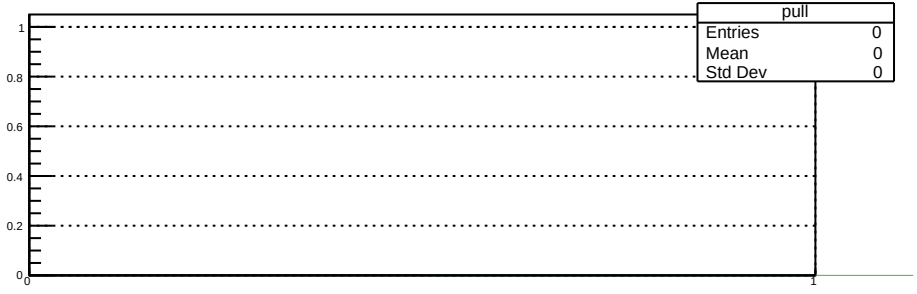

pull1D
Entries 46
Mean 0.01729
Std Dev 0.9278
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

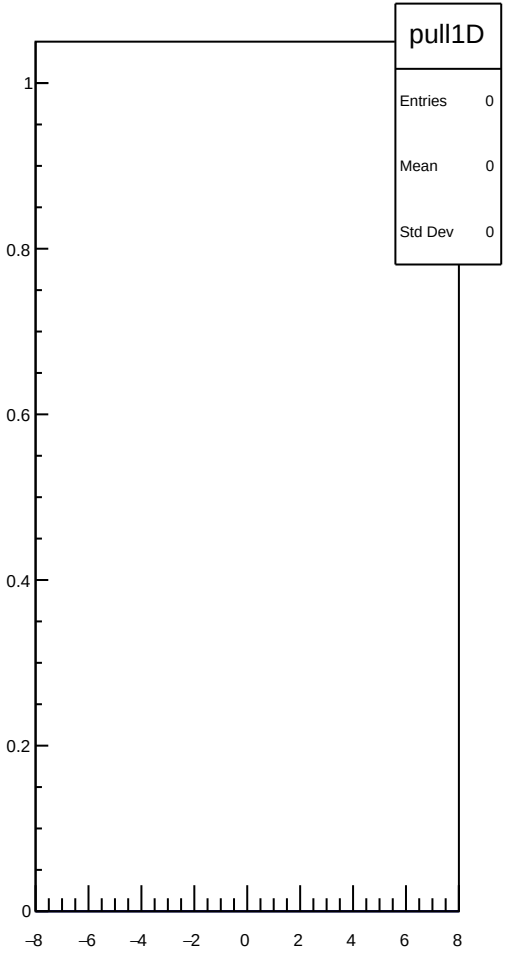

asym_sam_26_48_dd_rms vs run
χ² / ndf 1439 / 45
p0 1306 ± 1.372
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

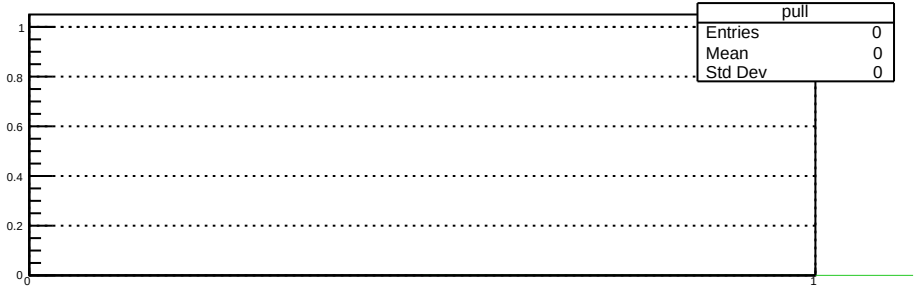

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 42.23 / 45
p0 −210 ± 92.99
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 246.2
Std Dev 222.4
2
1
0
−1
−2
−3

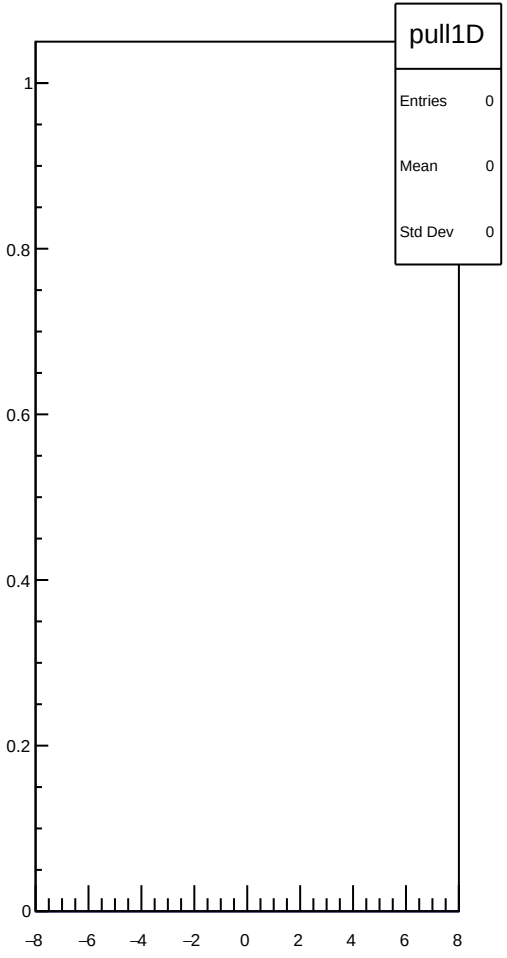

pull1D
Entries 46
Mean −0.009317
Std Dev 0.9581
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

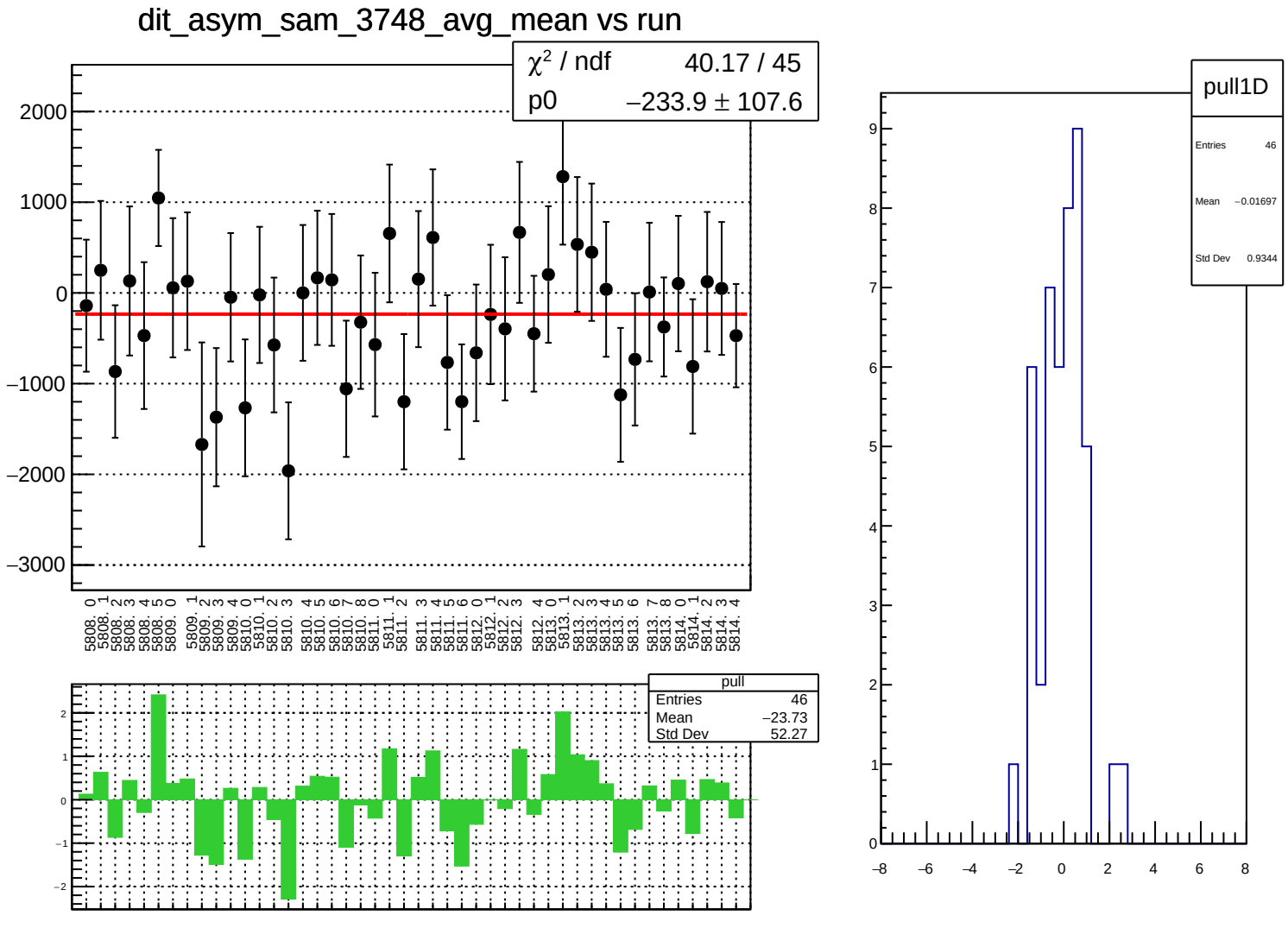

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.11e+04 / 45
p0 62.25 ± 0.06576
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

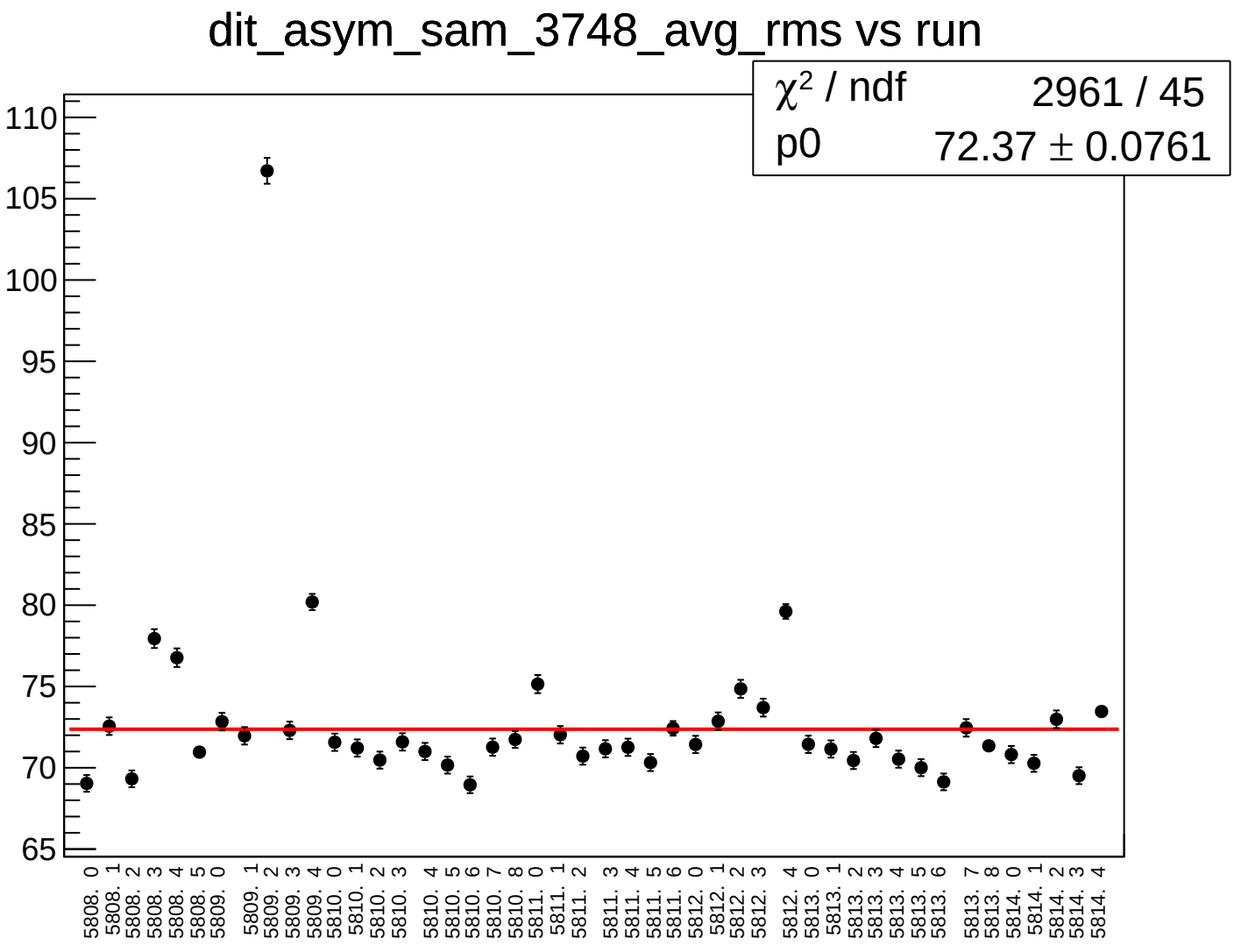

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

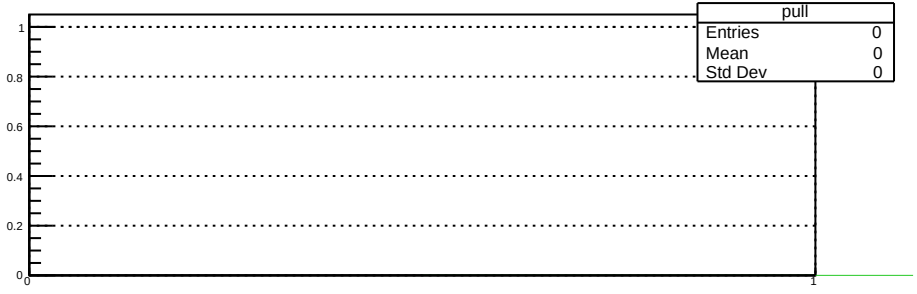

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

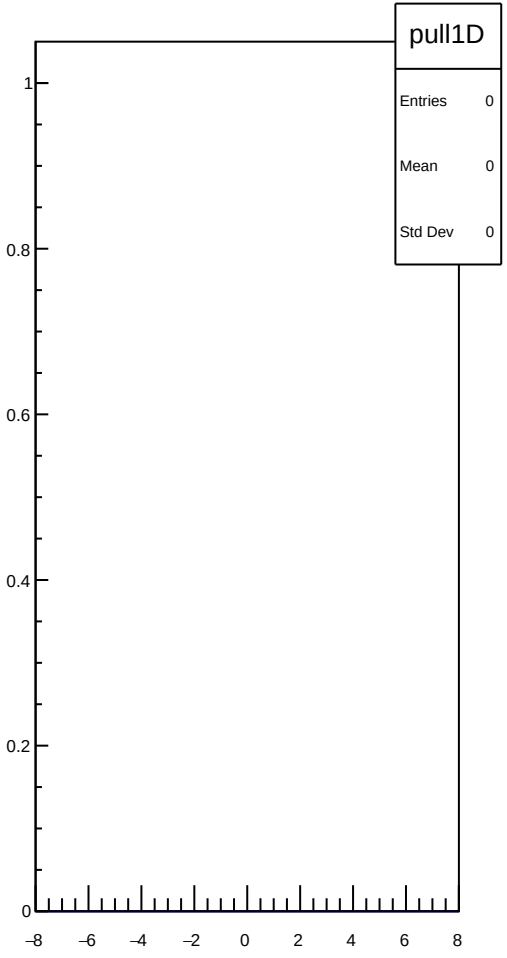

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

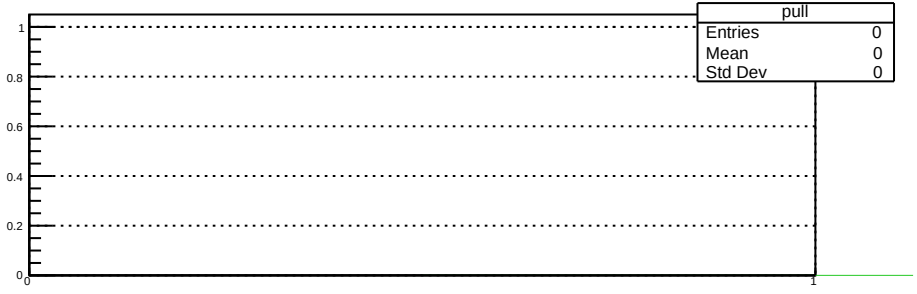

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

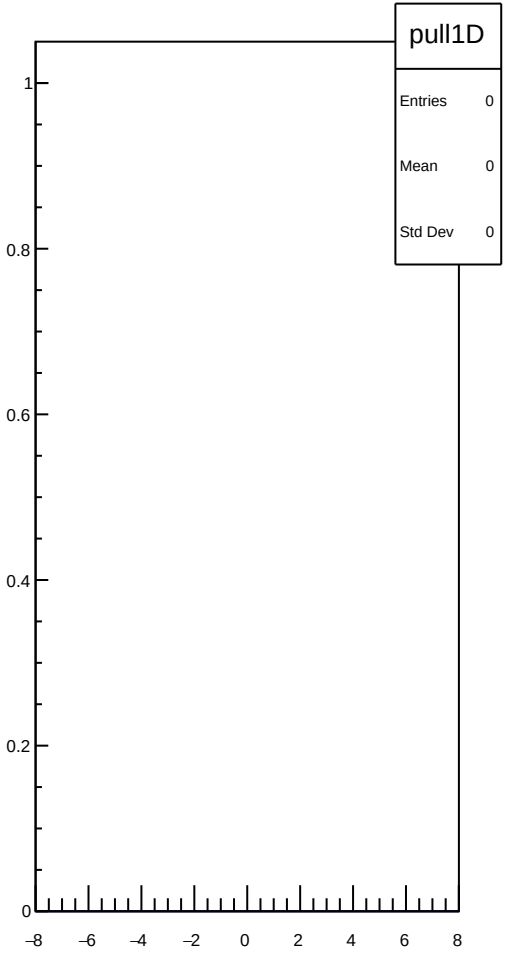

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 40.17 / 45
p0 −233.9 ± 107.6
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −23.73
Std Dev 52.27
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01697
Std Dev 0.9344
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

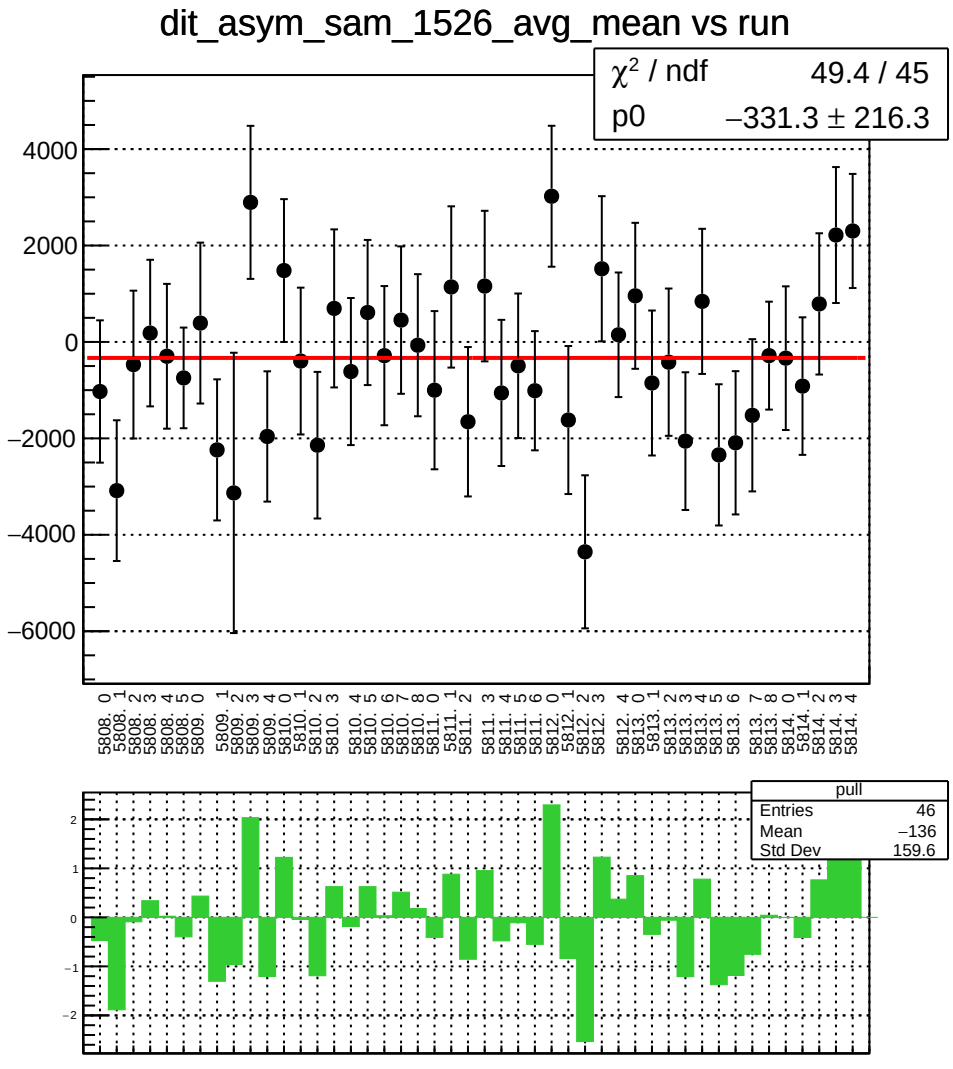

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2961 / 45
p0 72.37 ± 0.0761
110
105
100
95
90
85
80
75
70
65
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

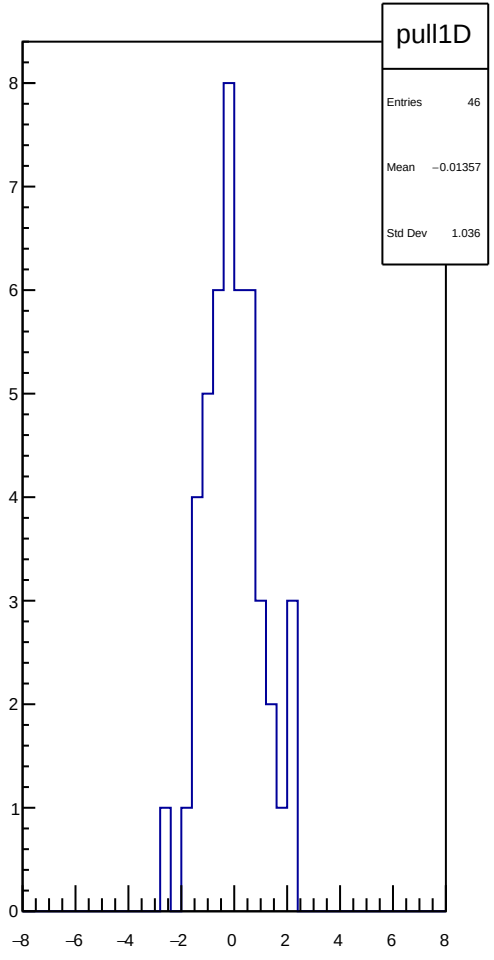

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

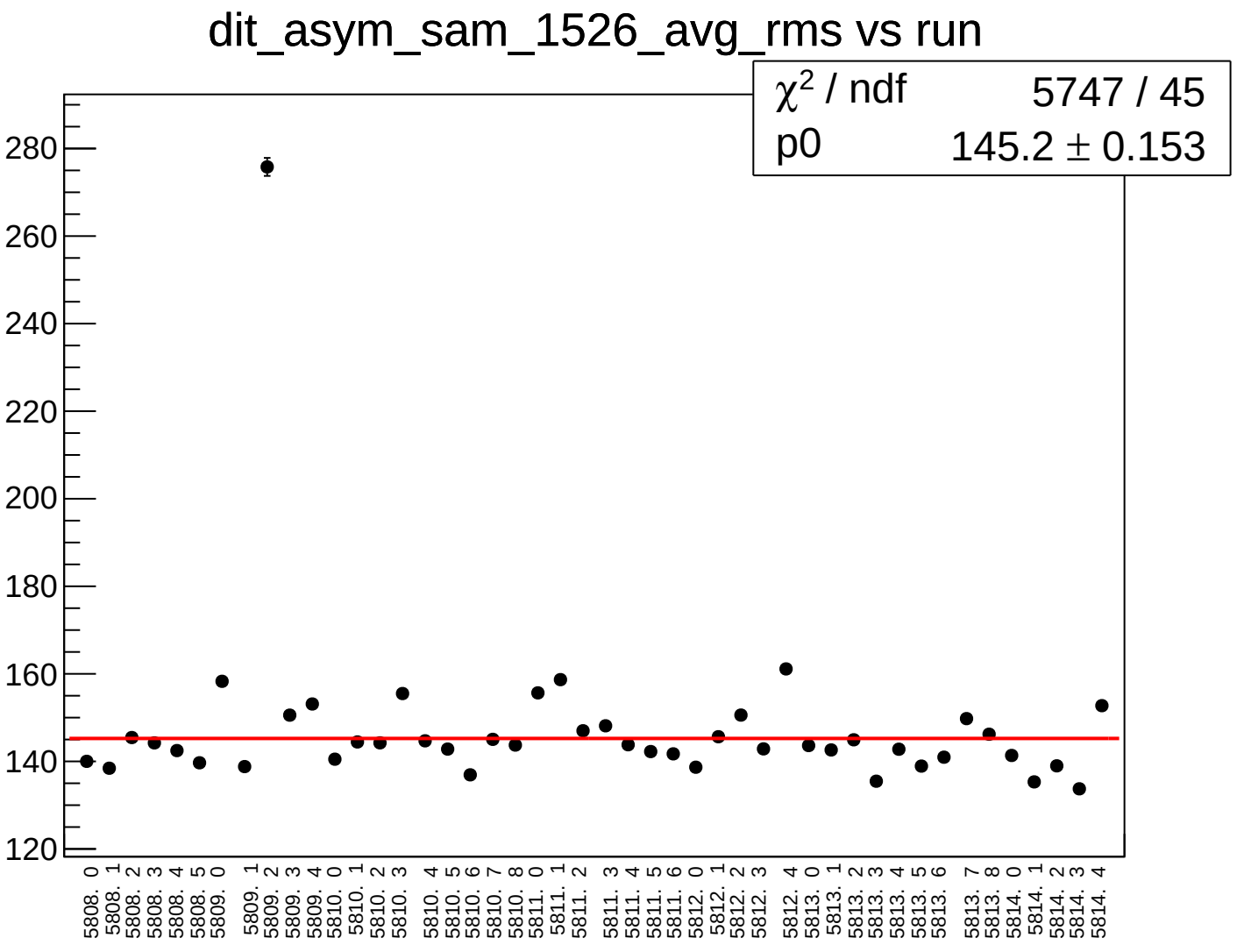

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

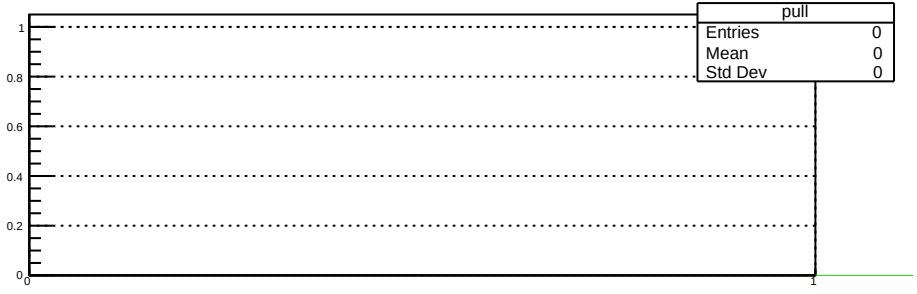

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

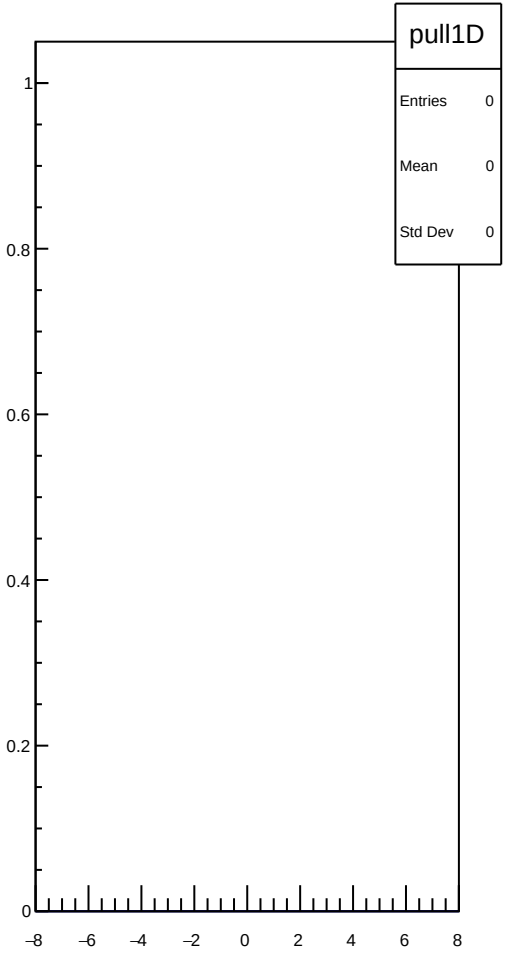

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

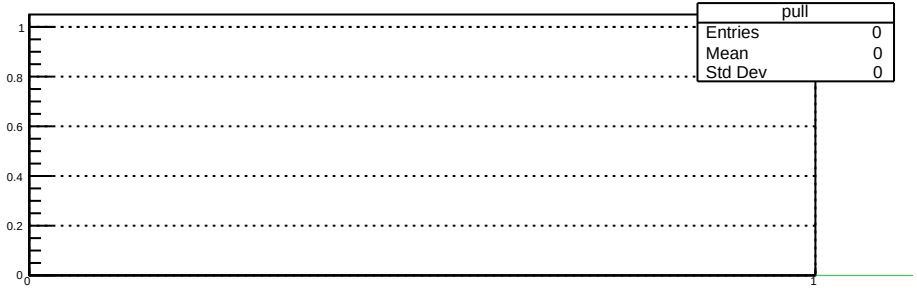

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 49.4 / 45
p0 −331.3 ± 216.3
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −136
Std Dev 159.6
2
1
0
−1
−2

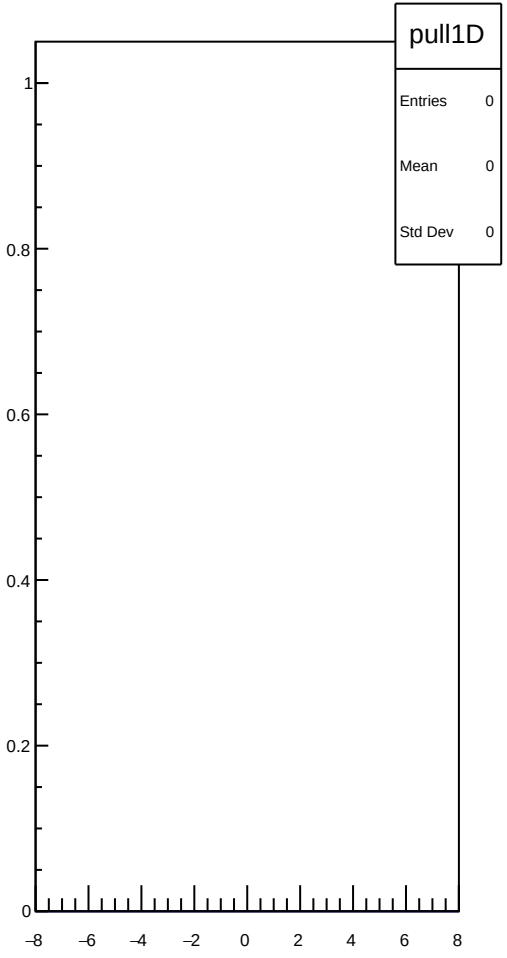

pull1D
Entries 46
Mean −0.01357
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

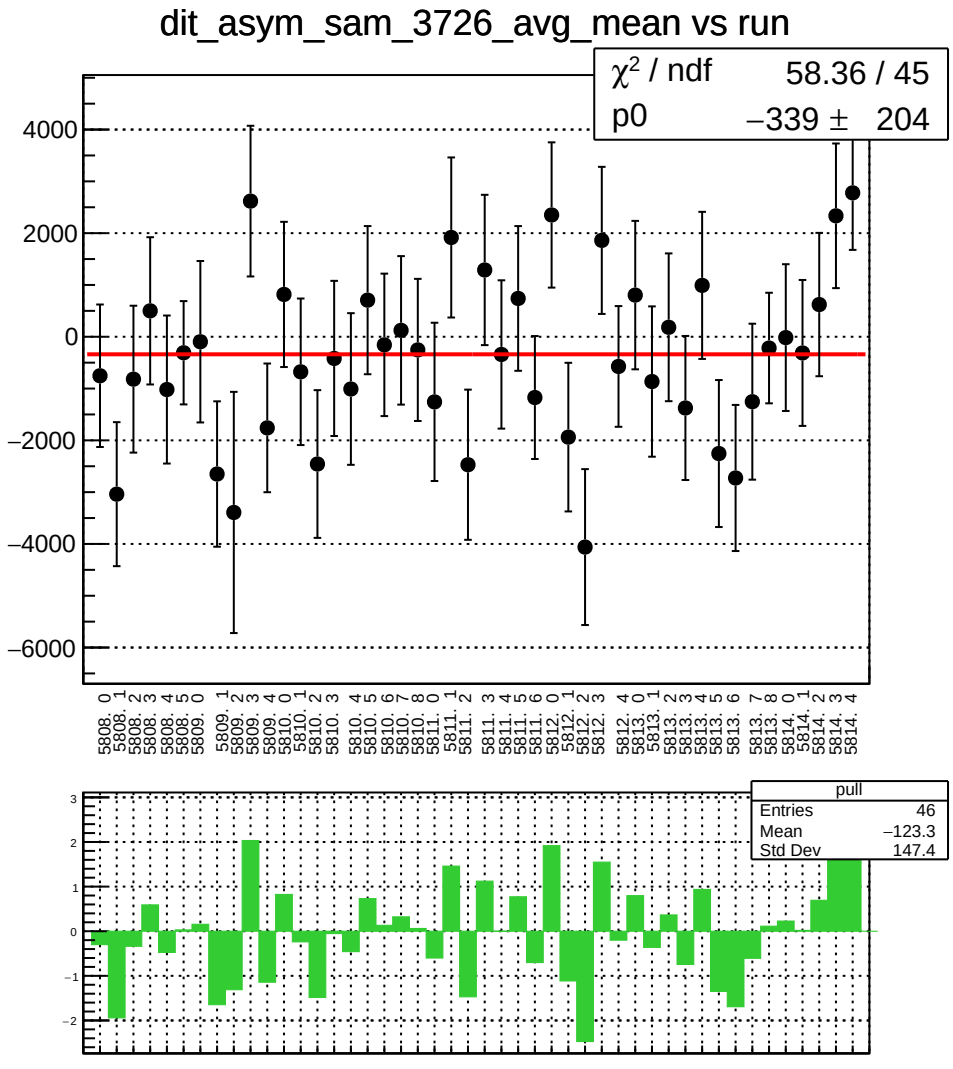

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 5747 / 45
p0 145.2 ± 0.153
280
260
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

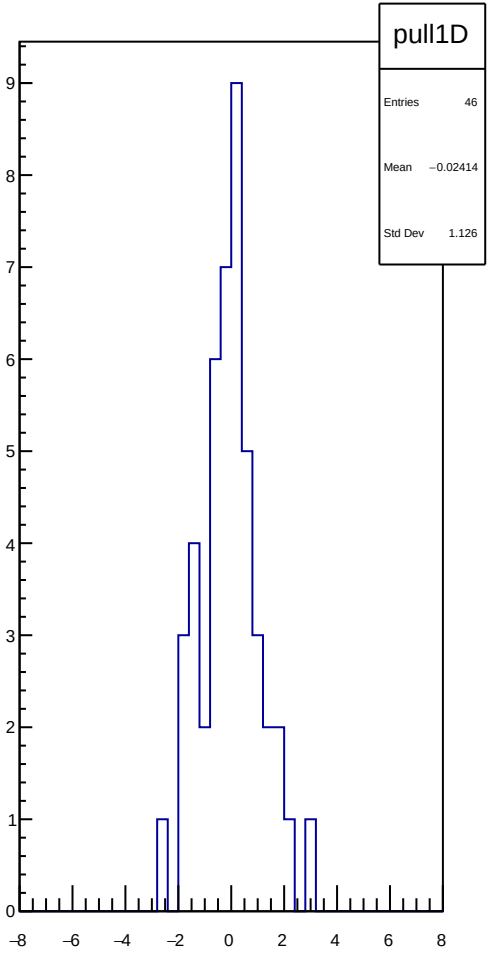

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

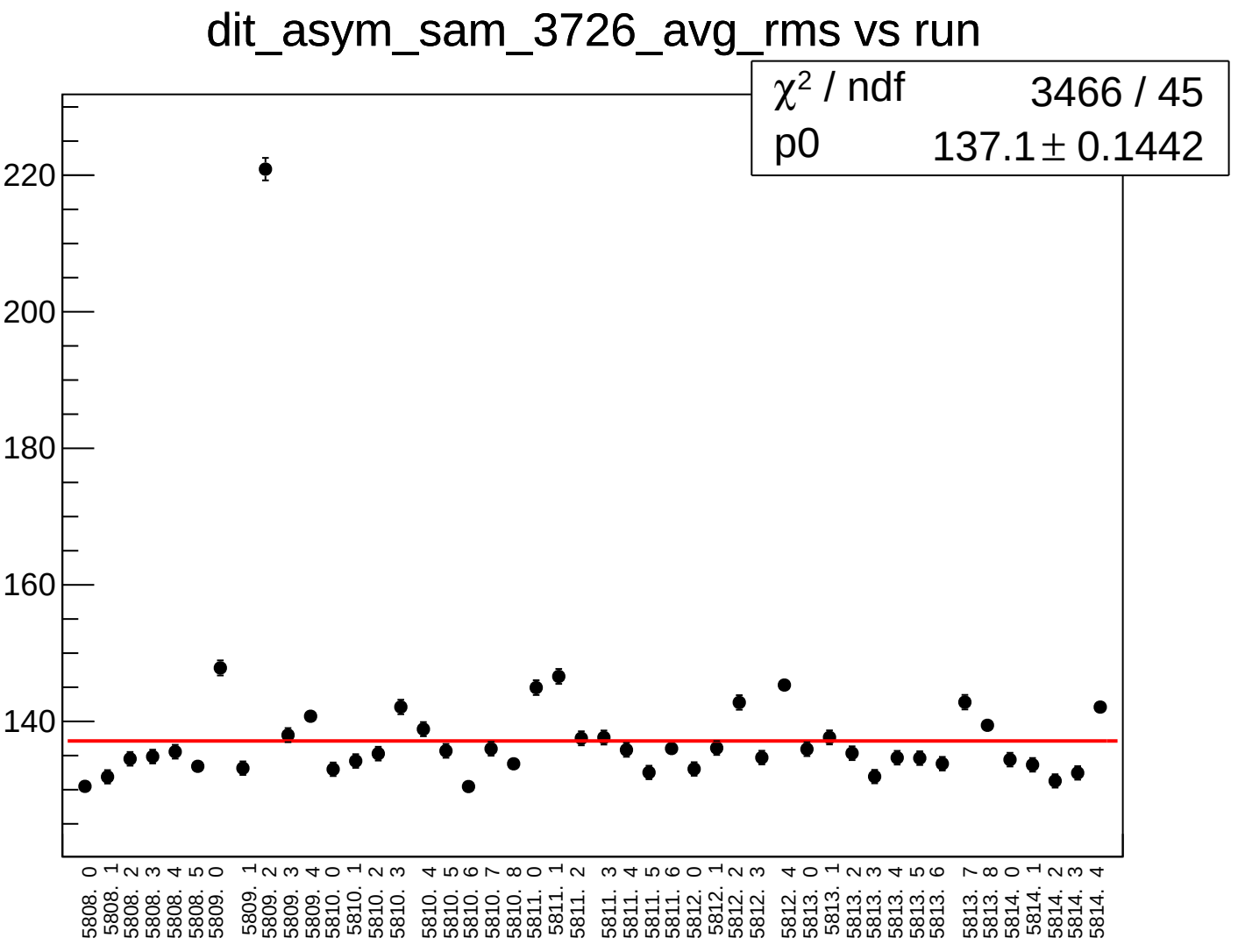

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

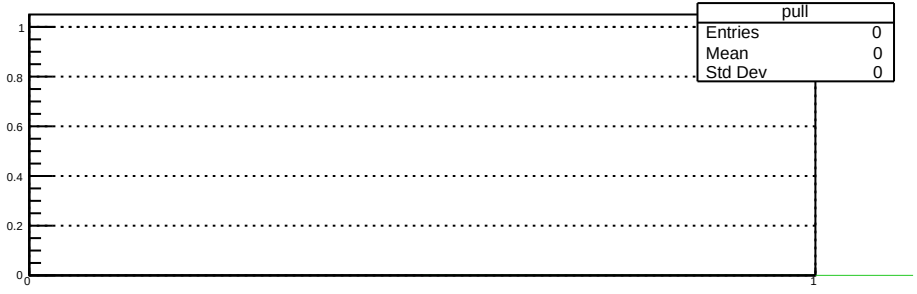

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

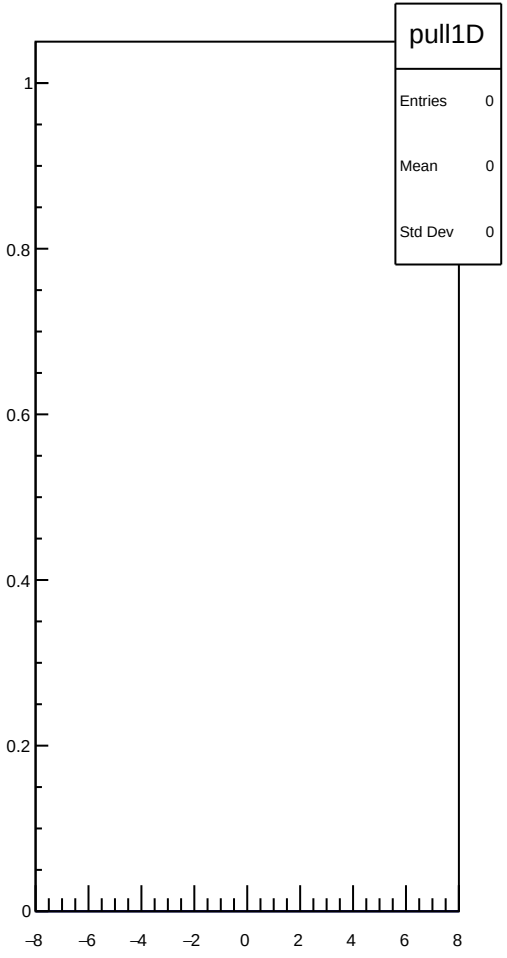

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

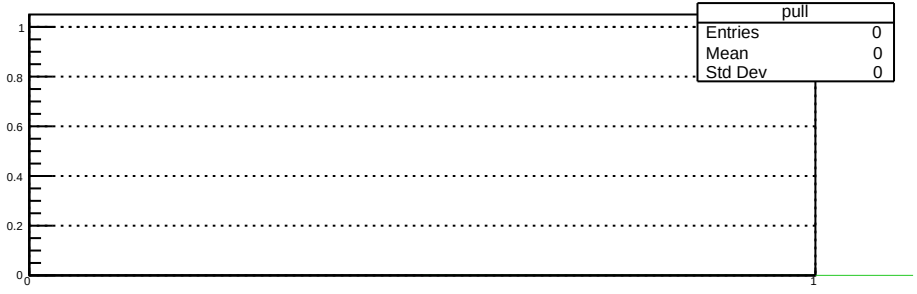

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 58.36 / 45
p0 −339 ± 204
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −123.3
Std Dev 147.4
3
2
1
0
−1
−2

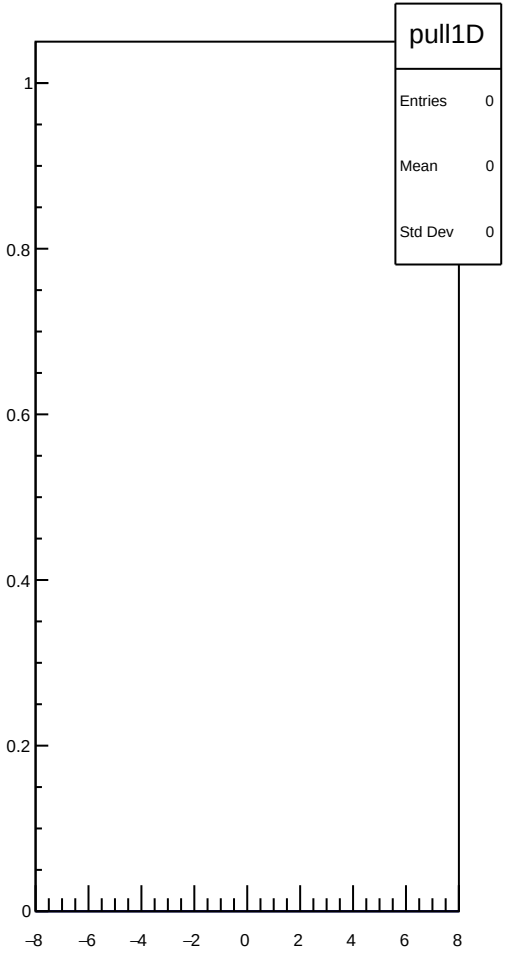

pull1D
Entries 46
Mean −0.02414
Std Dev 1.126
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

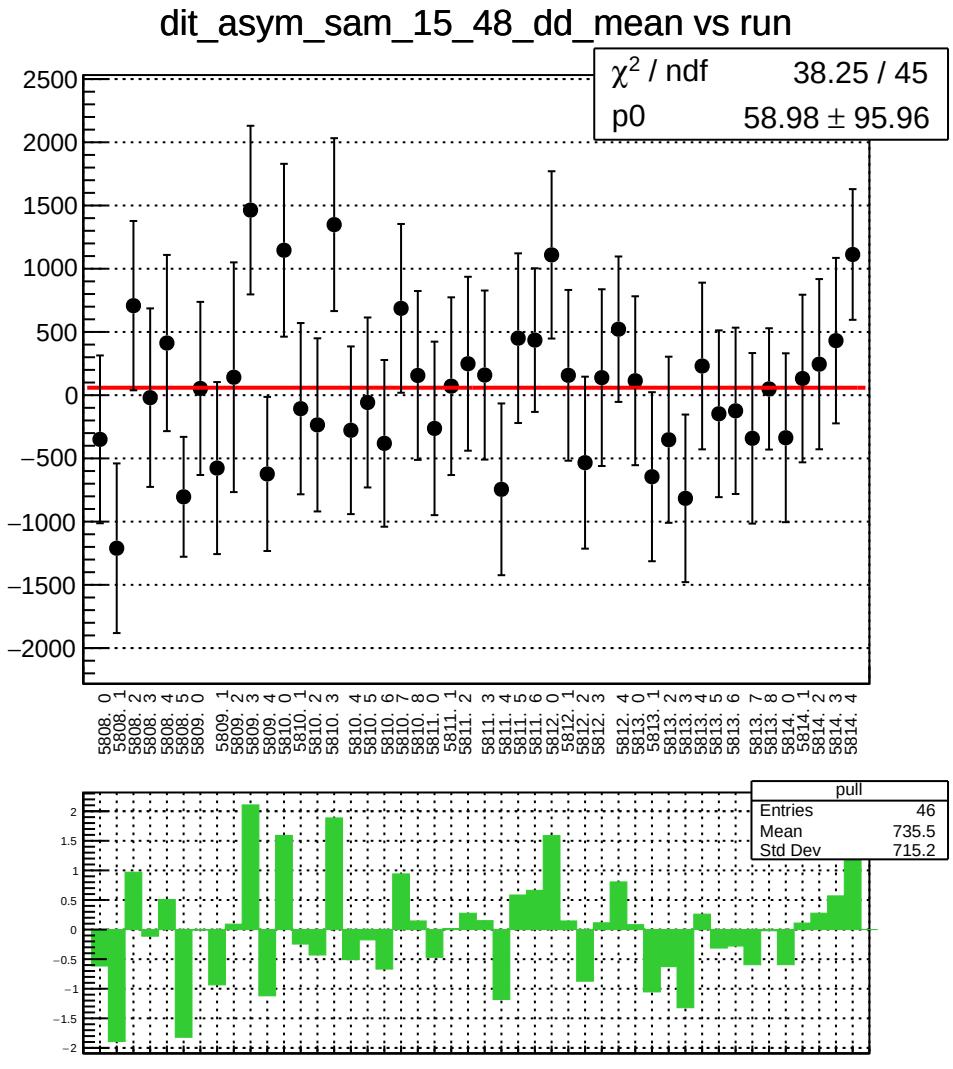

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3466 / 45
p0 137.1 ± 0.1442
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

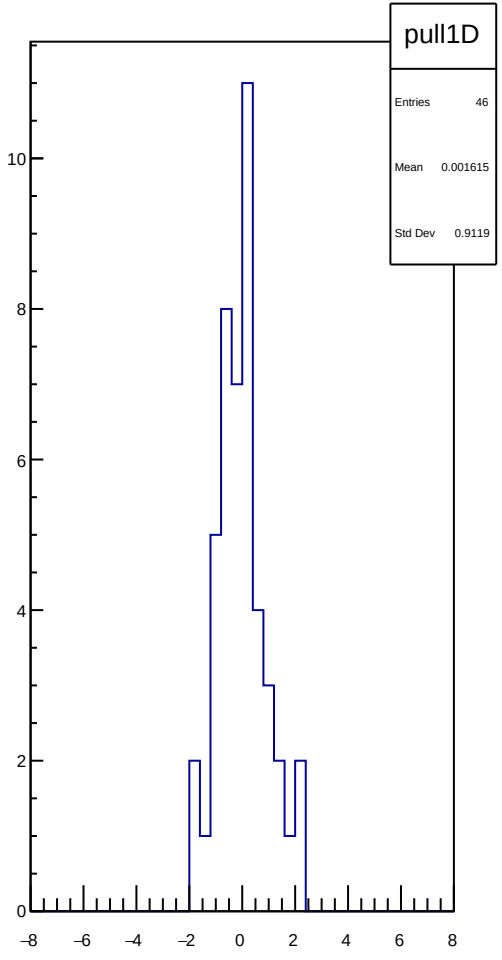

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

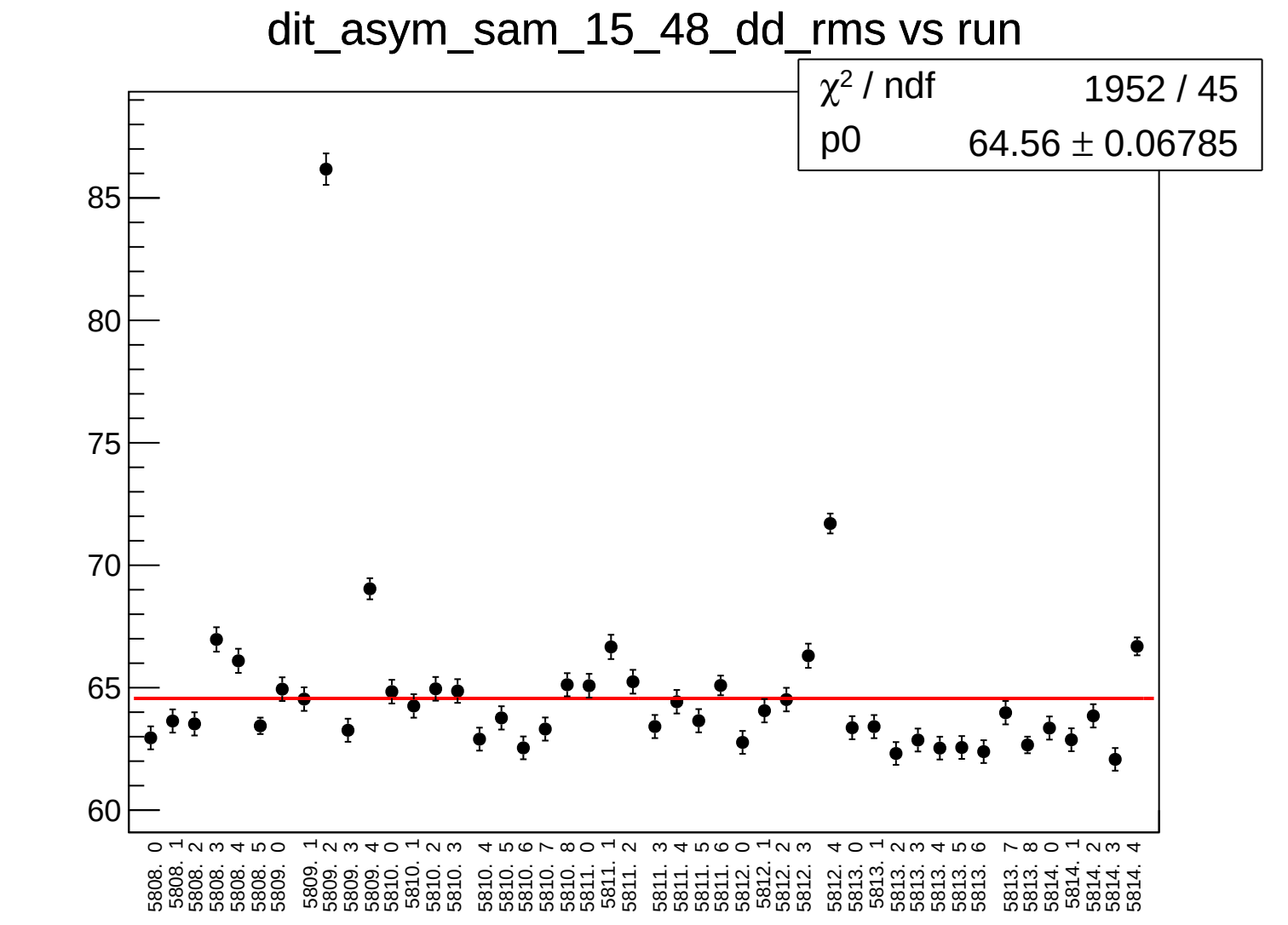

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

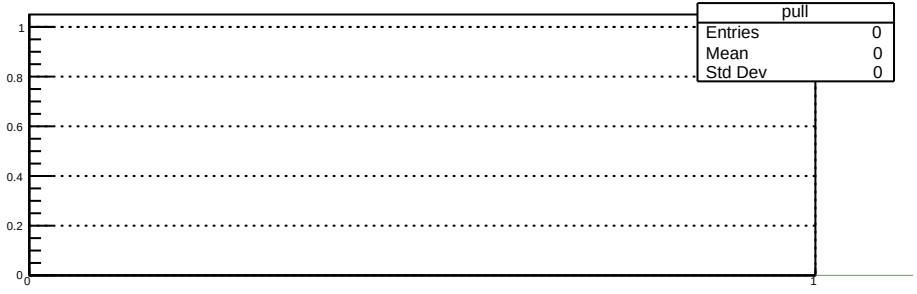

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

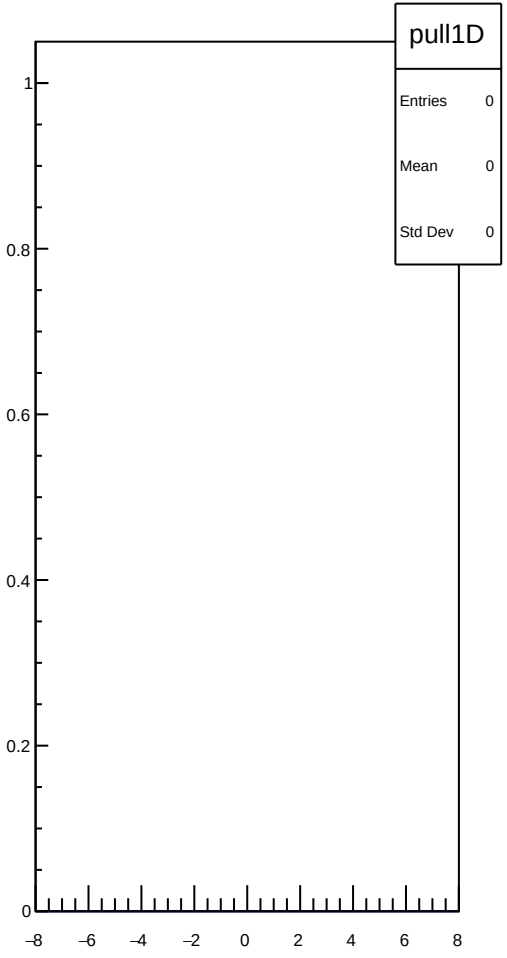

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

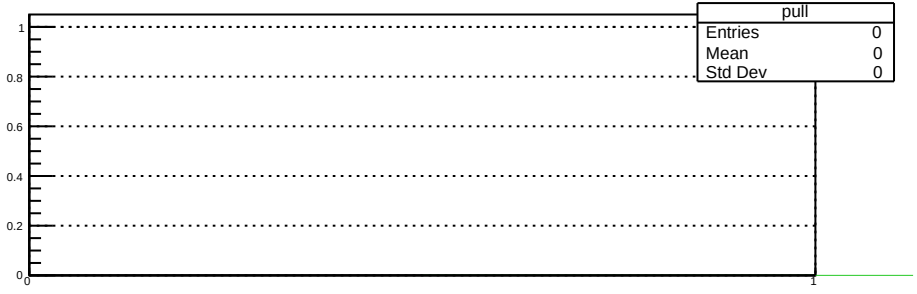

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 38.25 / 45
p0 58.98 ± 95.96
pull
Entries 46
Mean 735.5
Std Dev 715.2

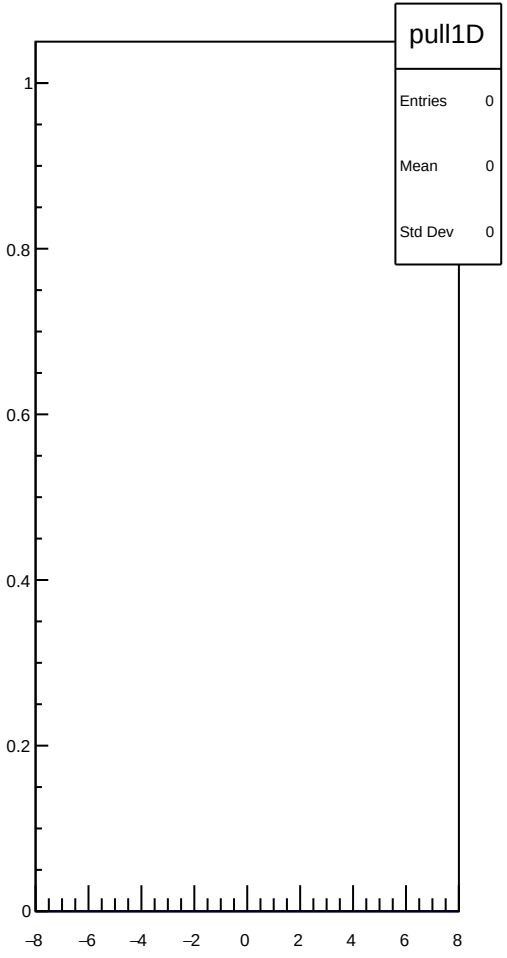

pull1D
Entries 46
Mean 0.001615
Std Dev 0.9119

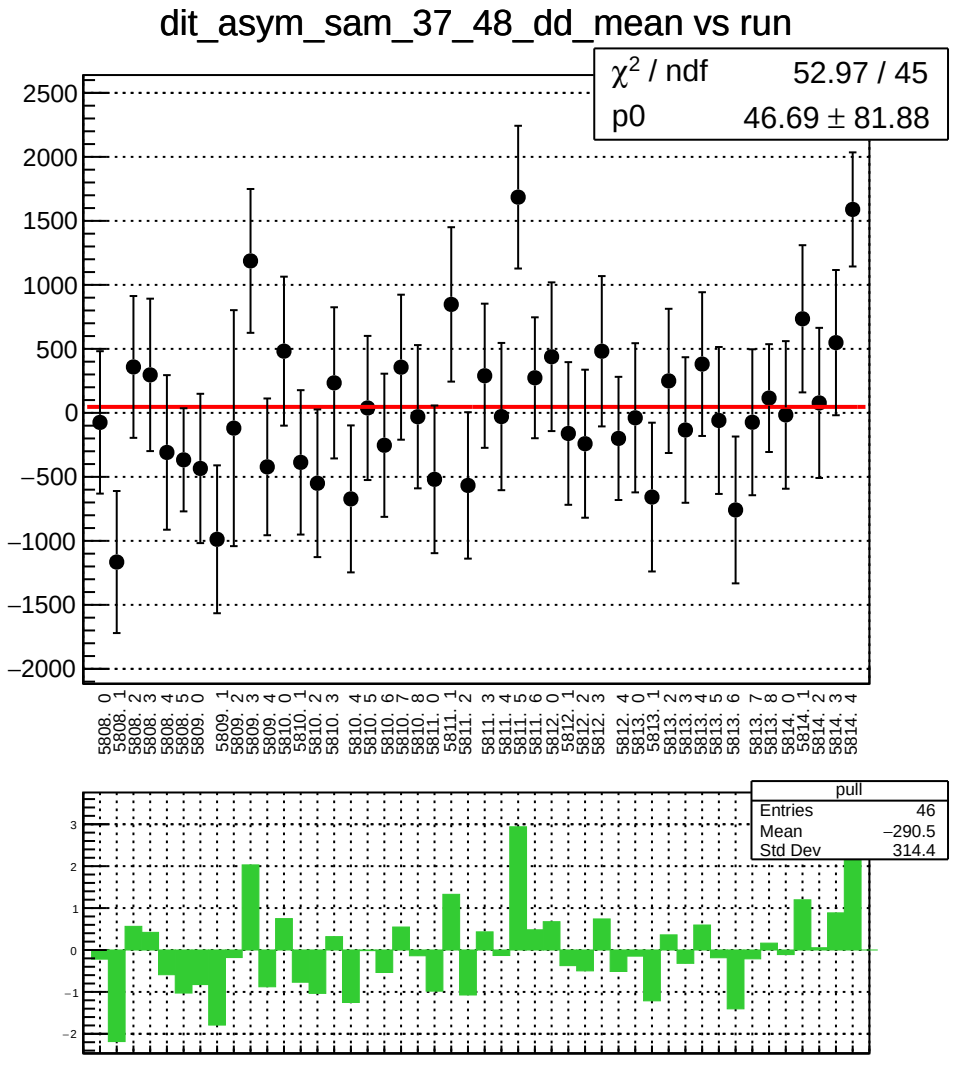

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1952 / 45
p0 64.56 ± 0.06785
85
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

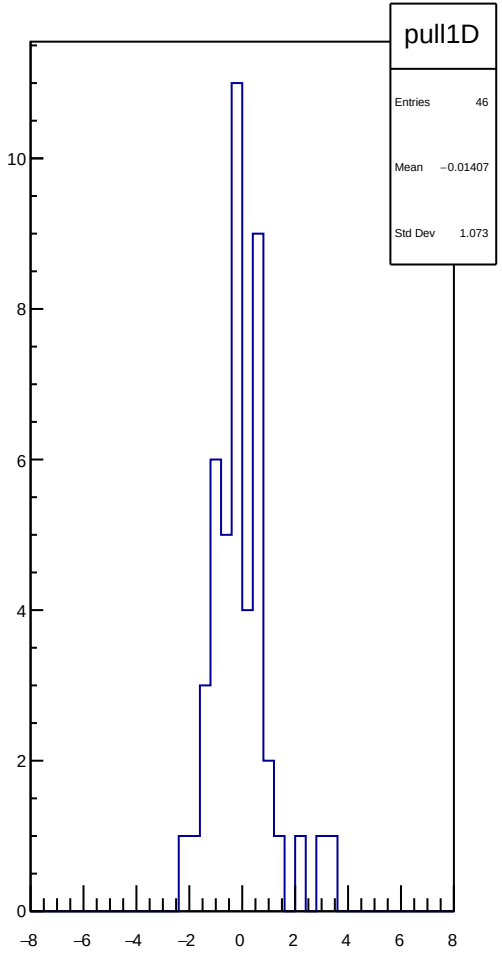

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

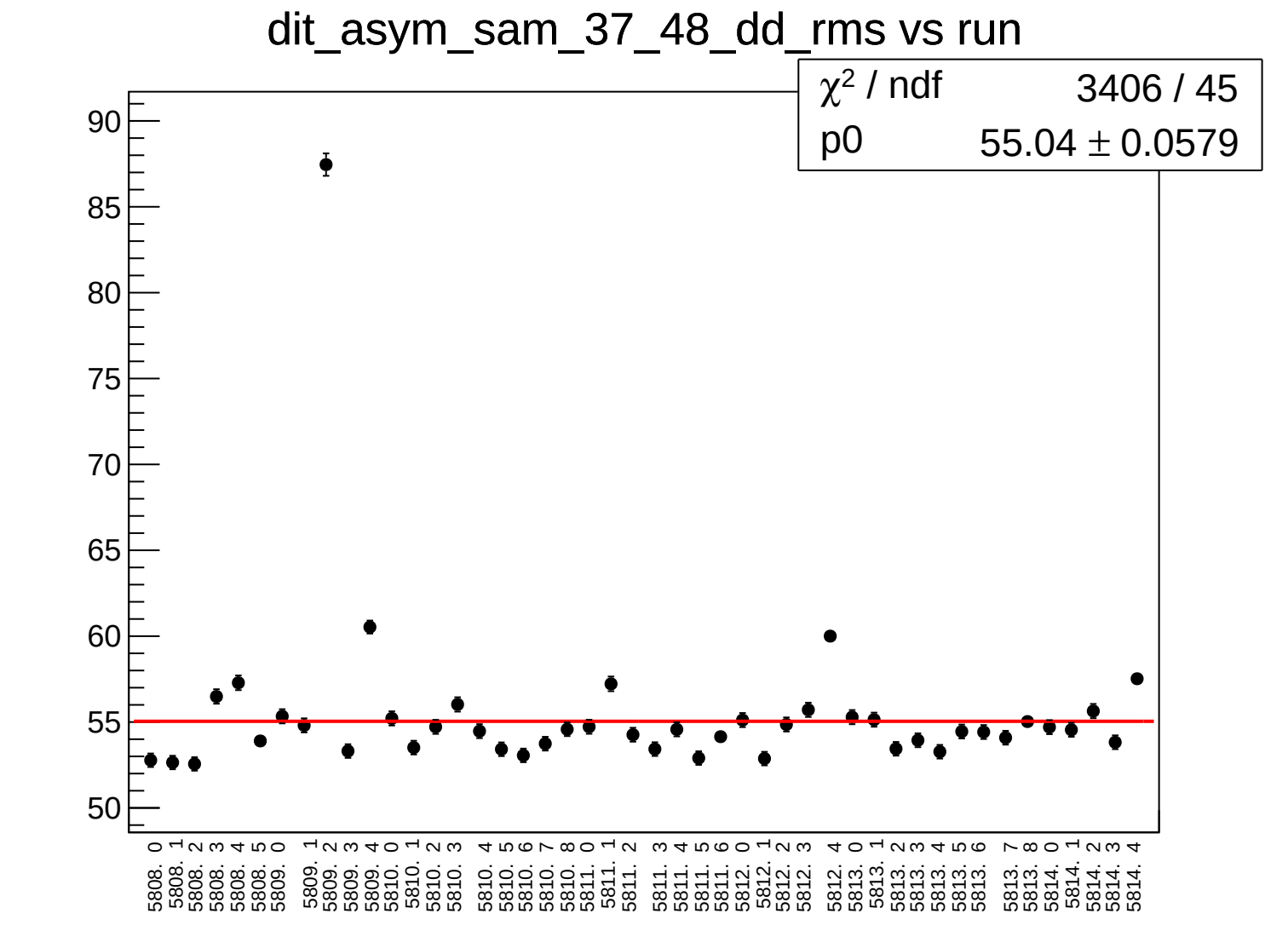

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

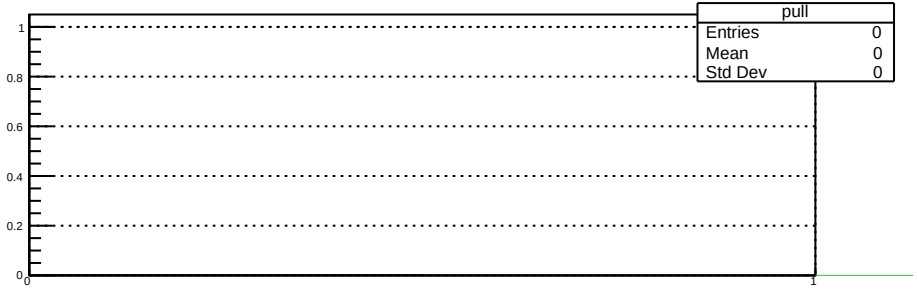

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

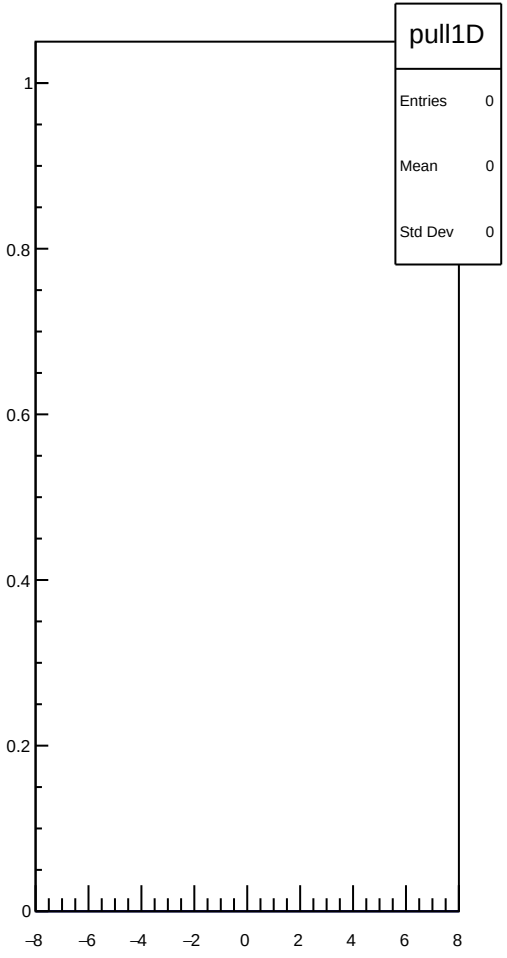

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

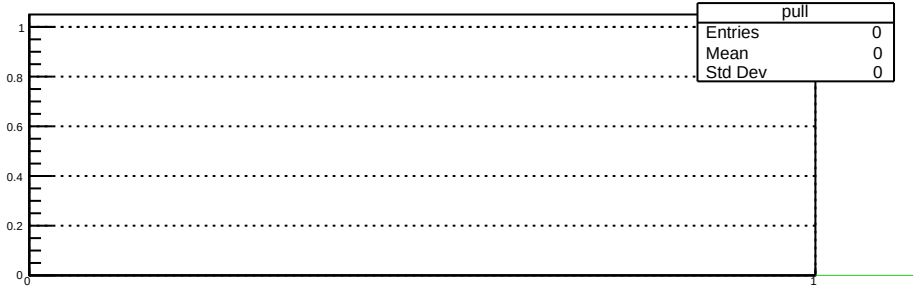

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 52.97 / 45
p0 46.69 ± 81.88
pull
Entries 46
Mean −290.5
Std Dev 314.4

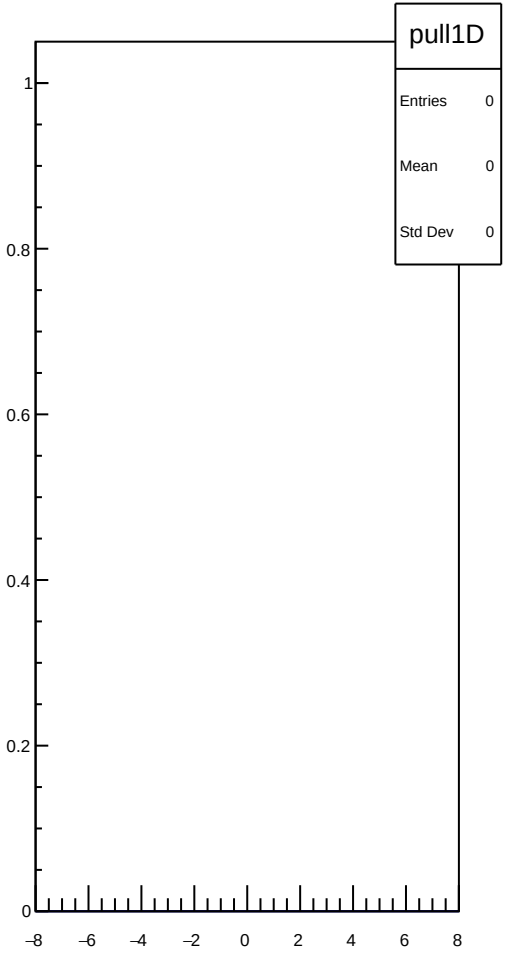

pull1D
Entries 46
Mean −0.01407
Std Dev 1.073

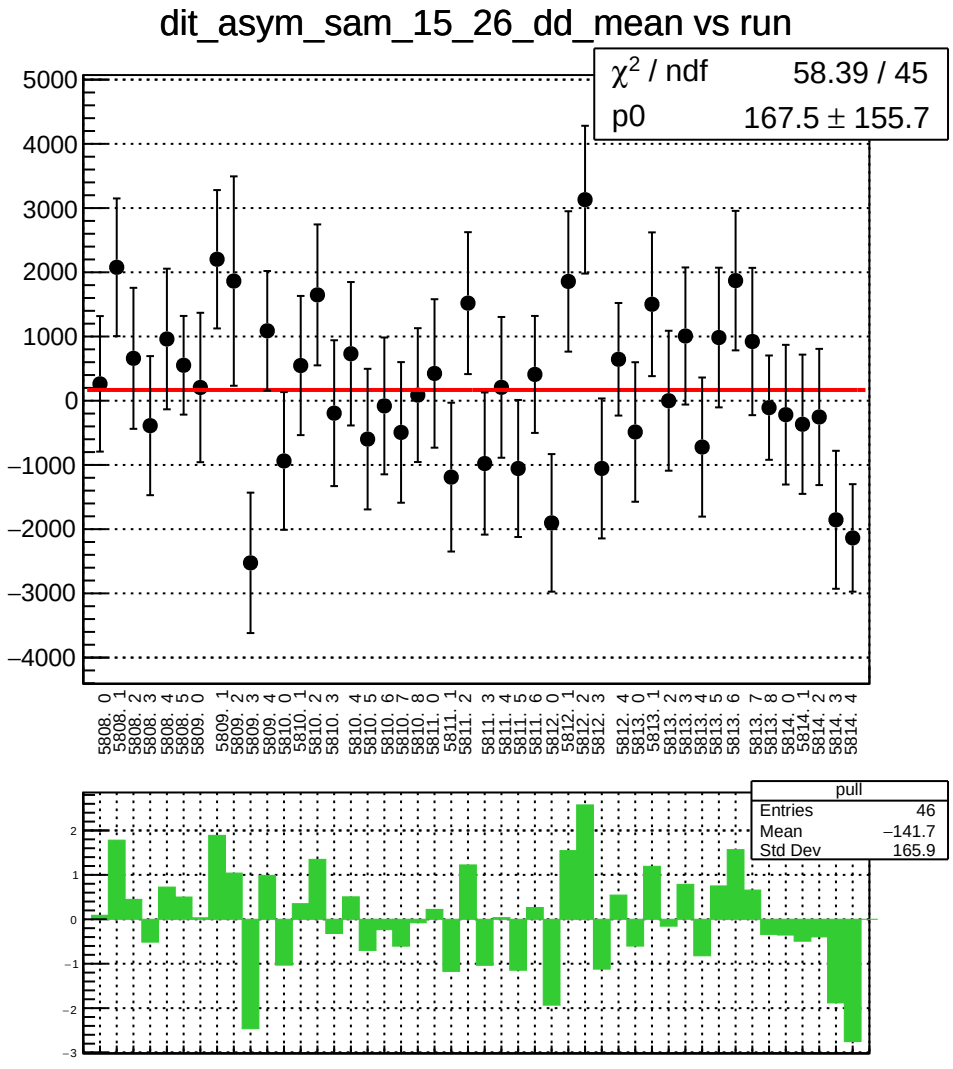

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 3406 / 45
p0 55.04 ± 0.0579
90
85
80
75
70
65
60
55
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

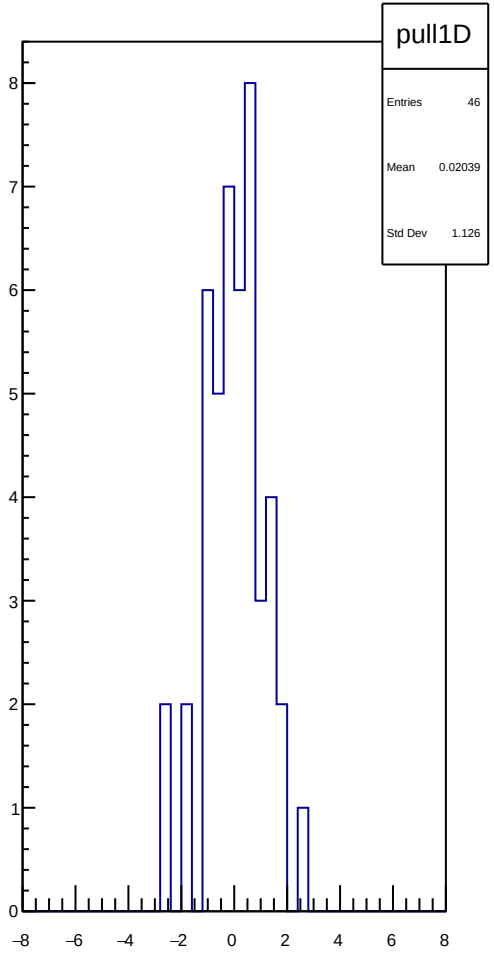

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

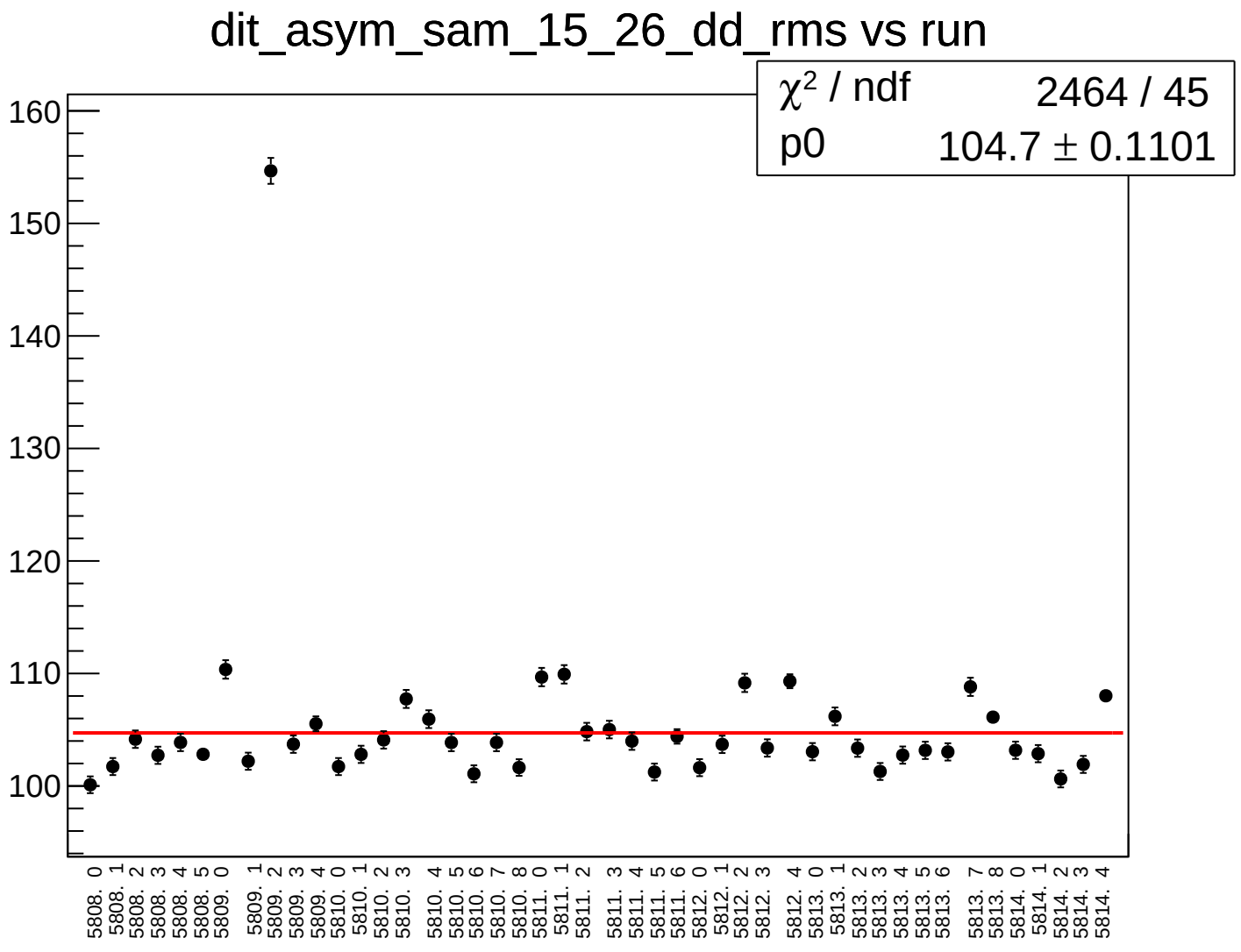

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

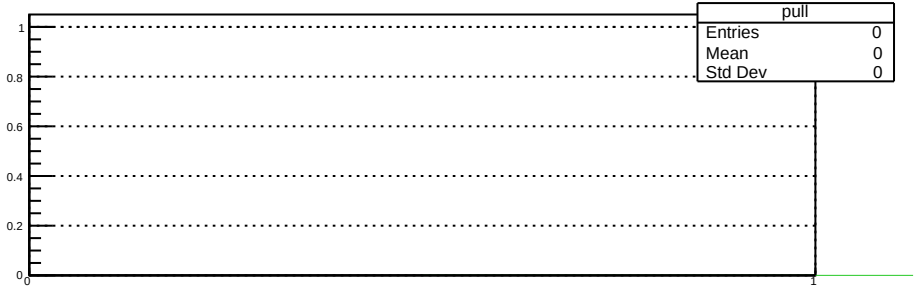

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

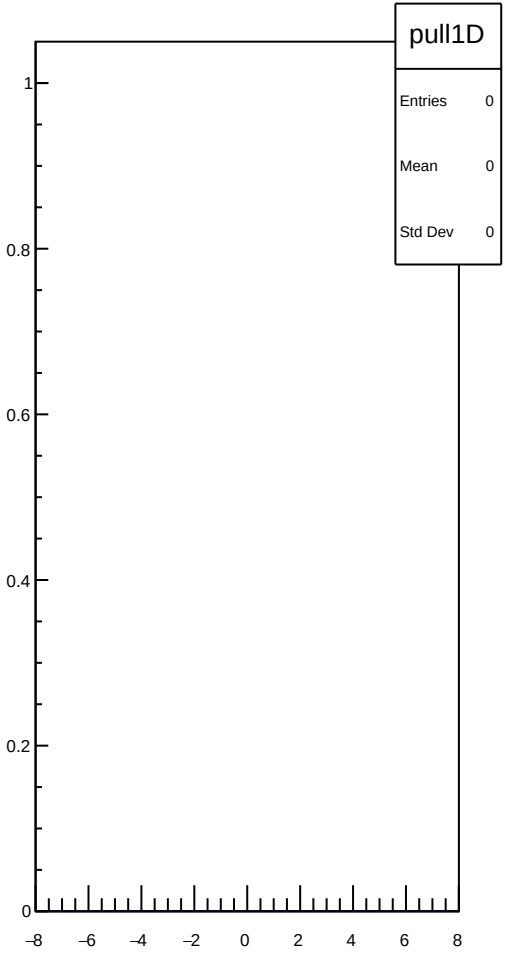

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

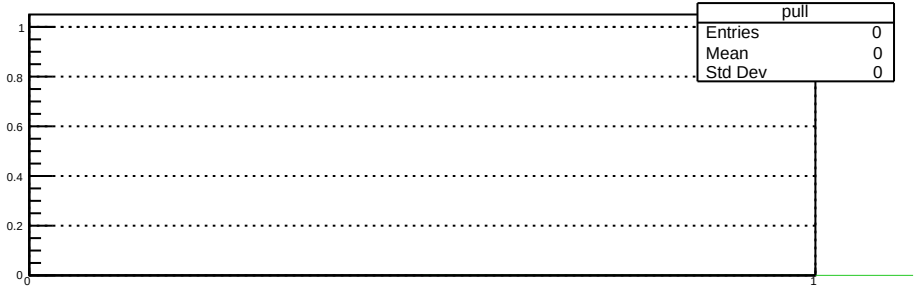

dit_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 58.39 / 45
p0 167.5 ± 155.7
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −141.7
Std Dev 165.9
2
1
0
−1
−2
−3

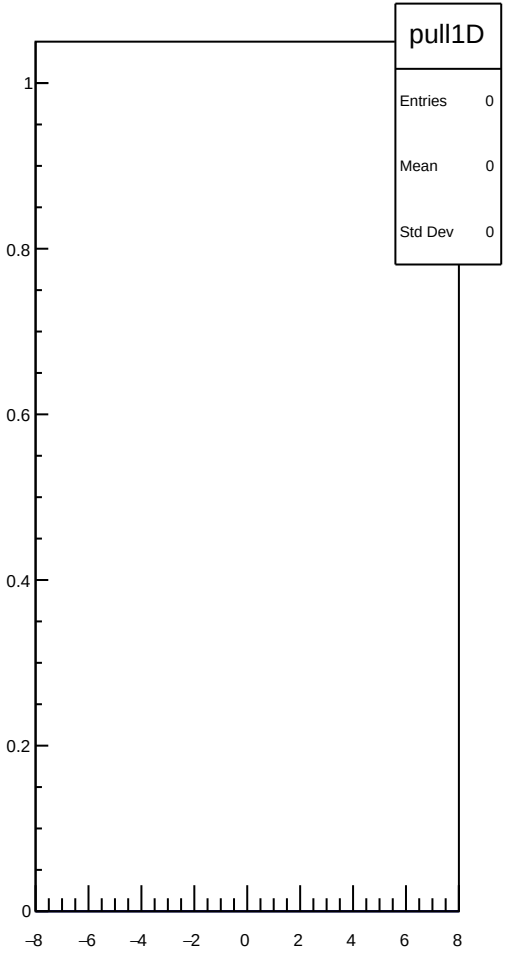

pull1D
Entries 46
Mean 0.02039
Std Dev 1.126
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

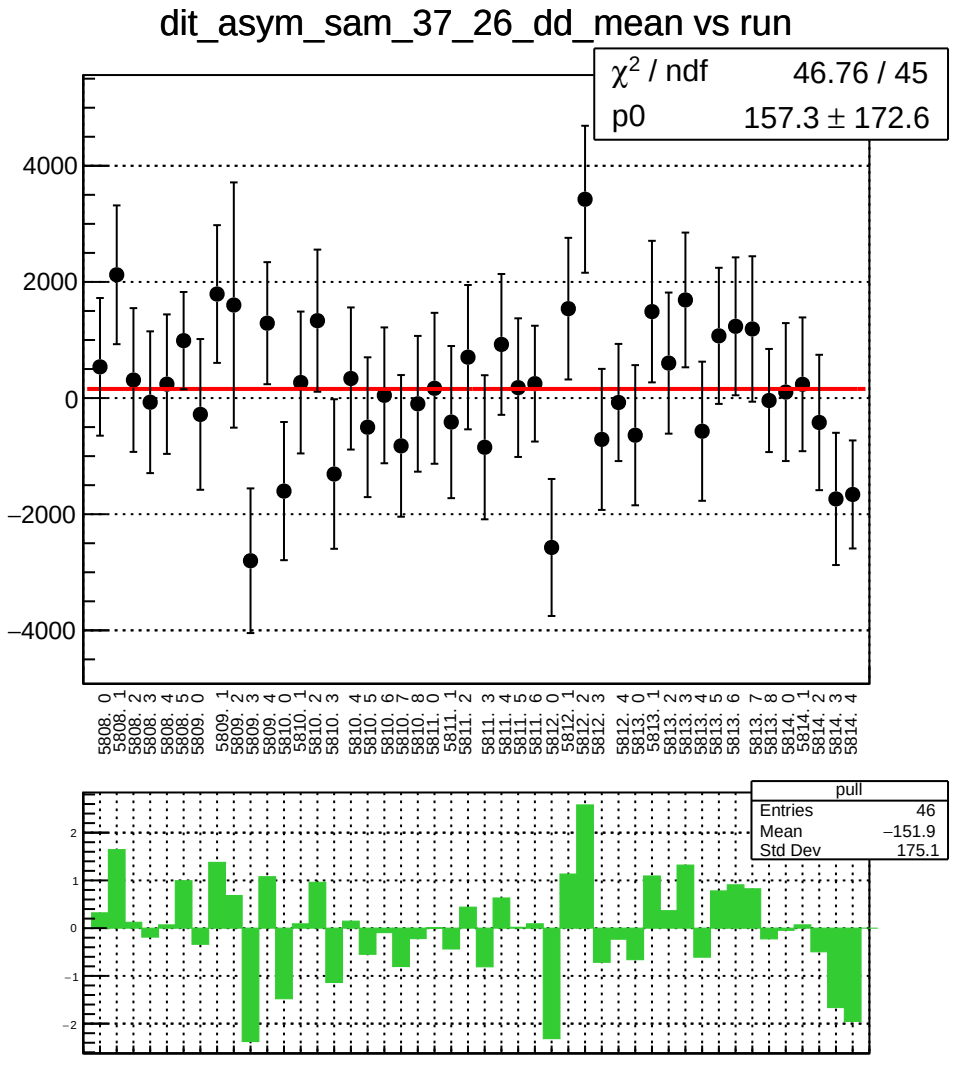

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2464 / 45
p0 104.7 ± 0.1101
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

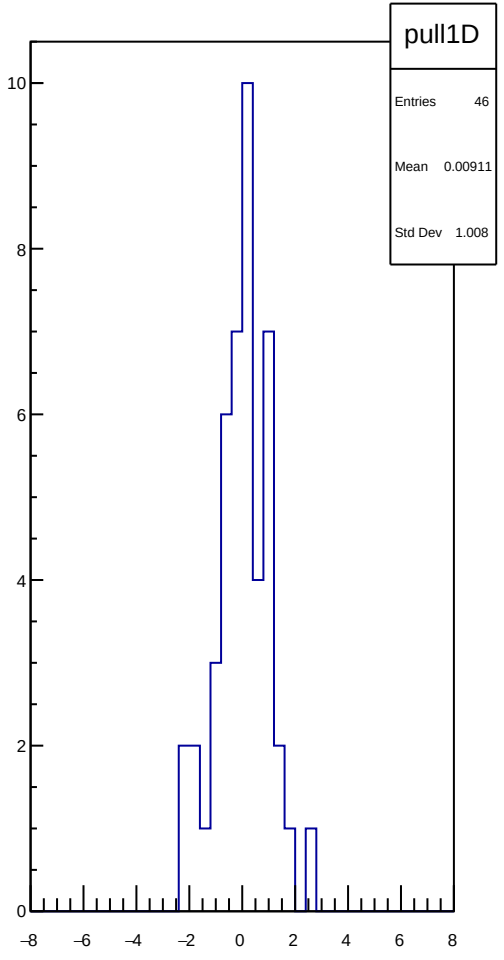

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

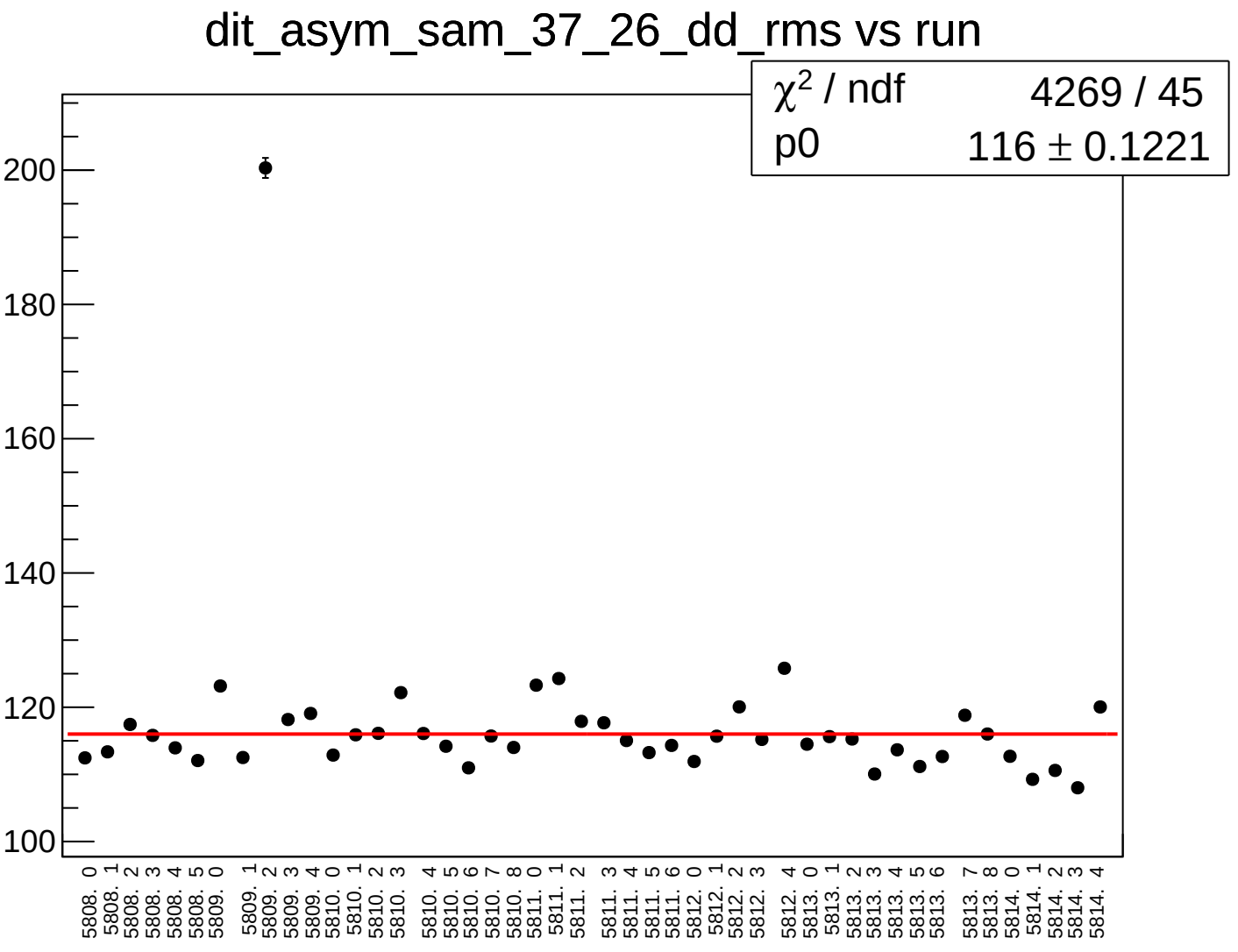

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

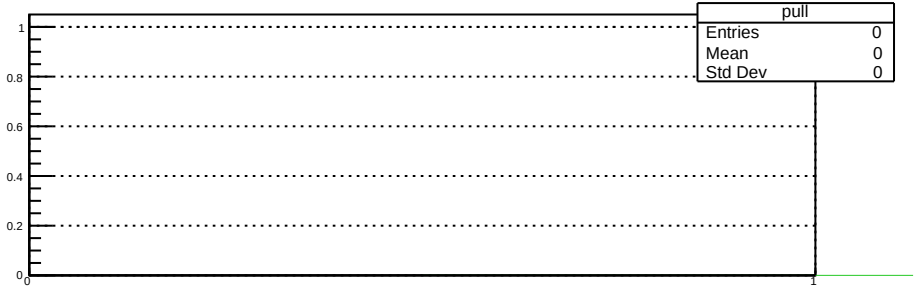

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

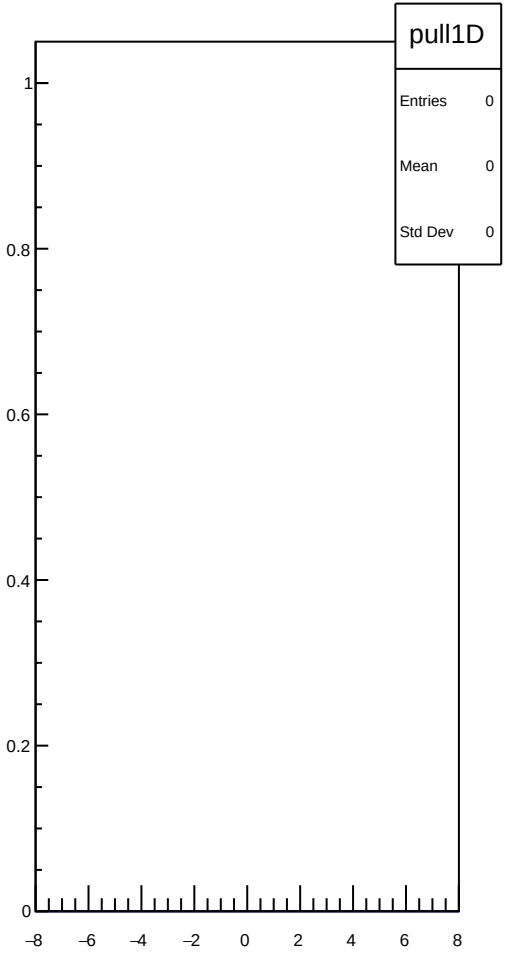

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

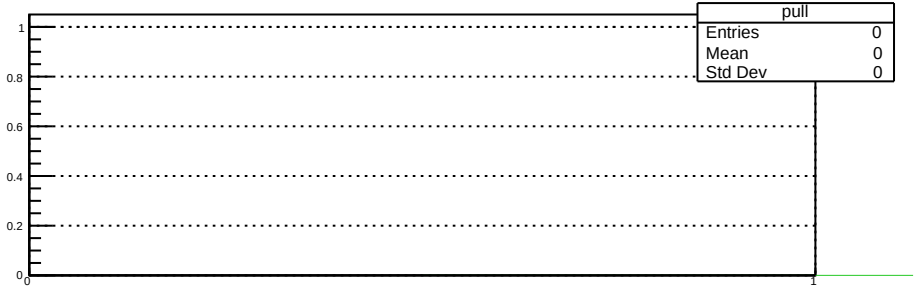

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 46.76 / 45
p0 157.3 ± 172.6
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −151.9
Std Dev 175.1
2
1
0
−1
−2

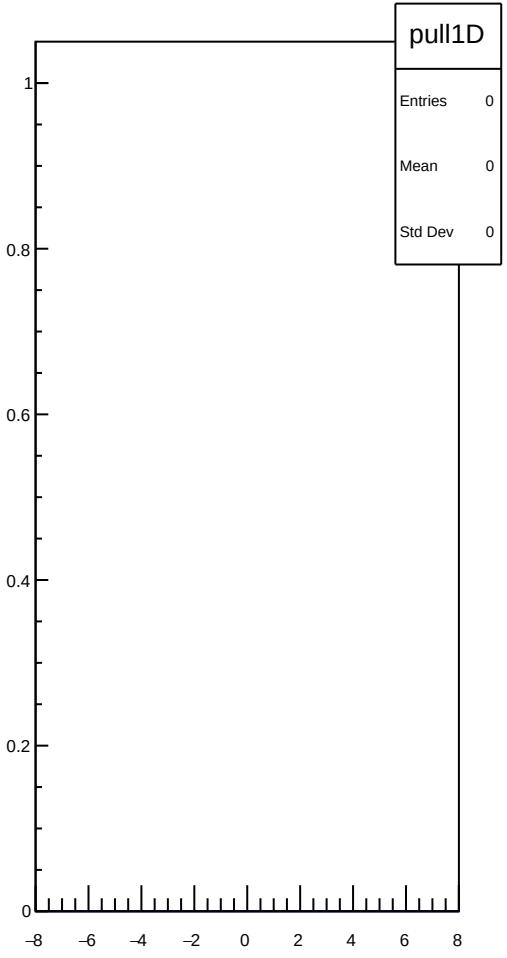

pull1D
Entries 46
Mean 0.00911
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

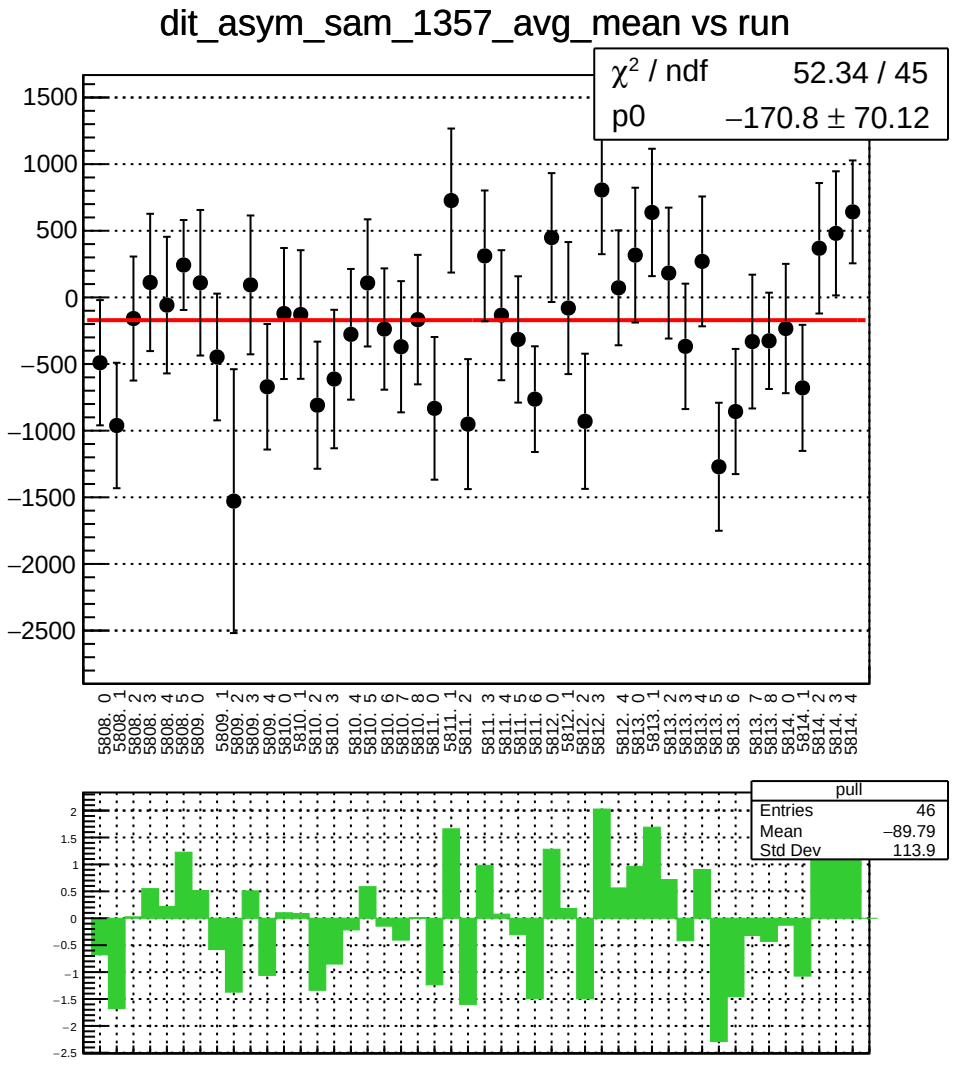

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 4269 / 45
p0 116 ± 0.1221
200
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

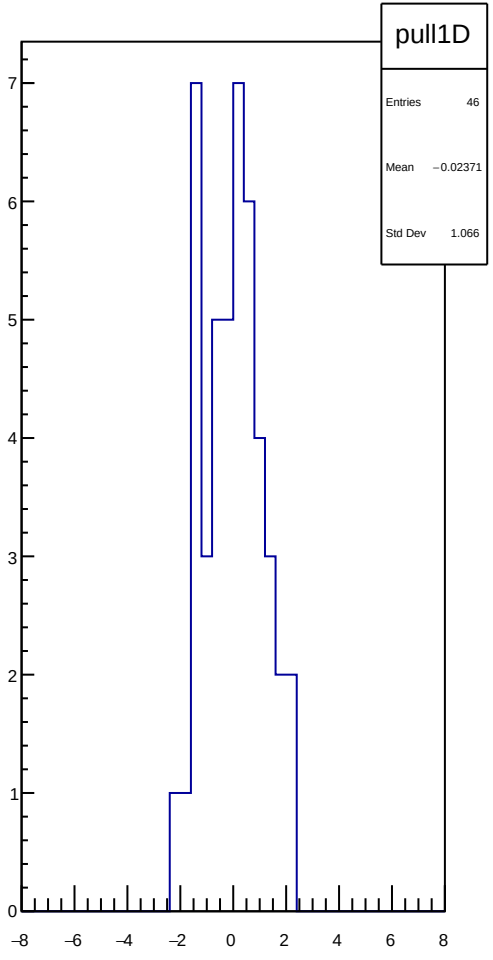

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

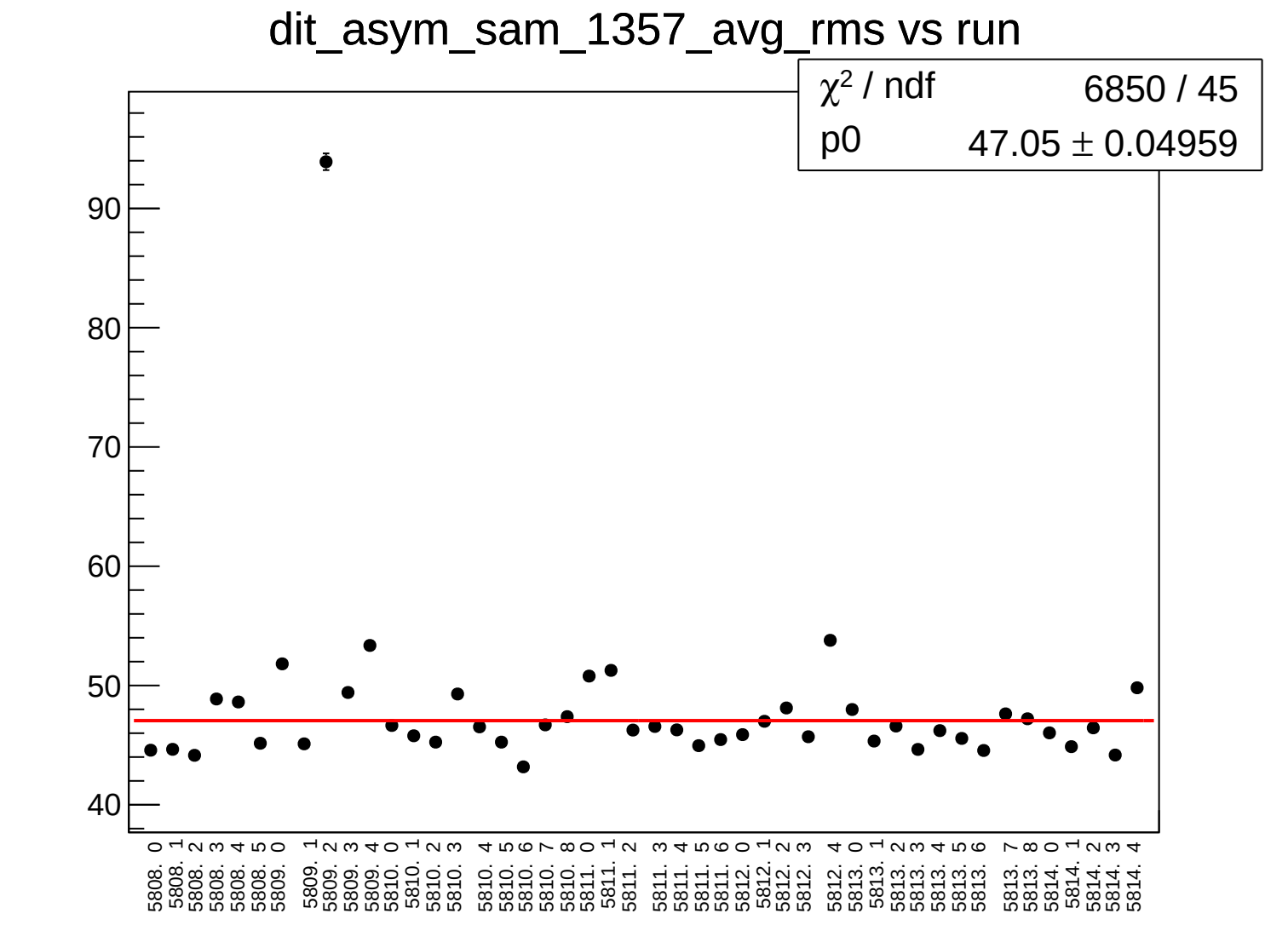

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

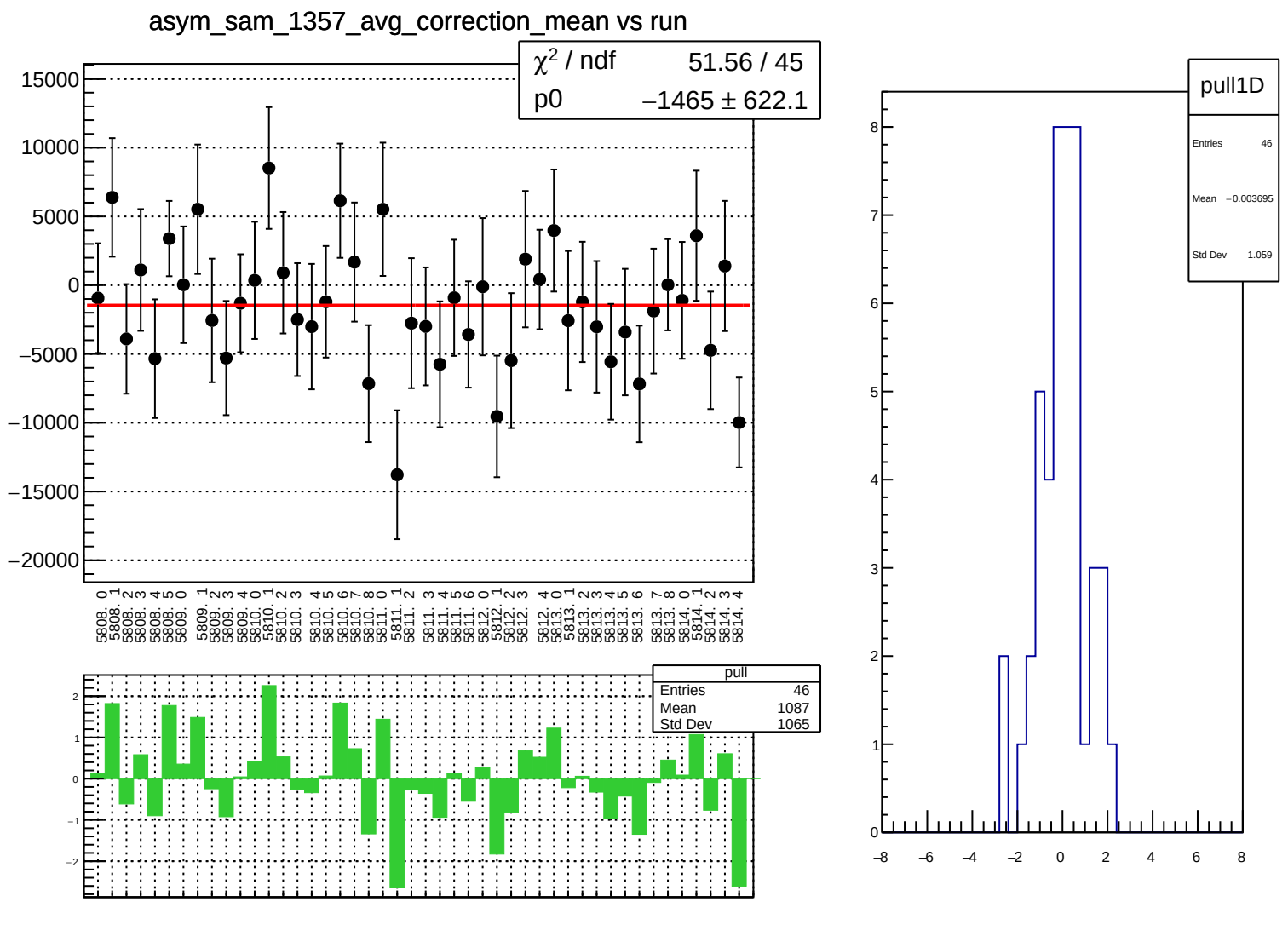

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

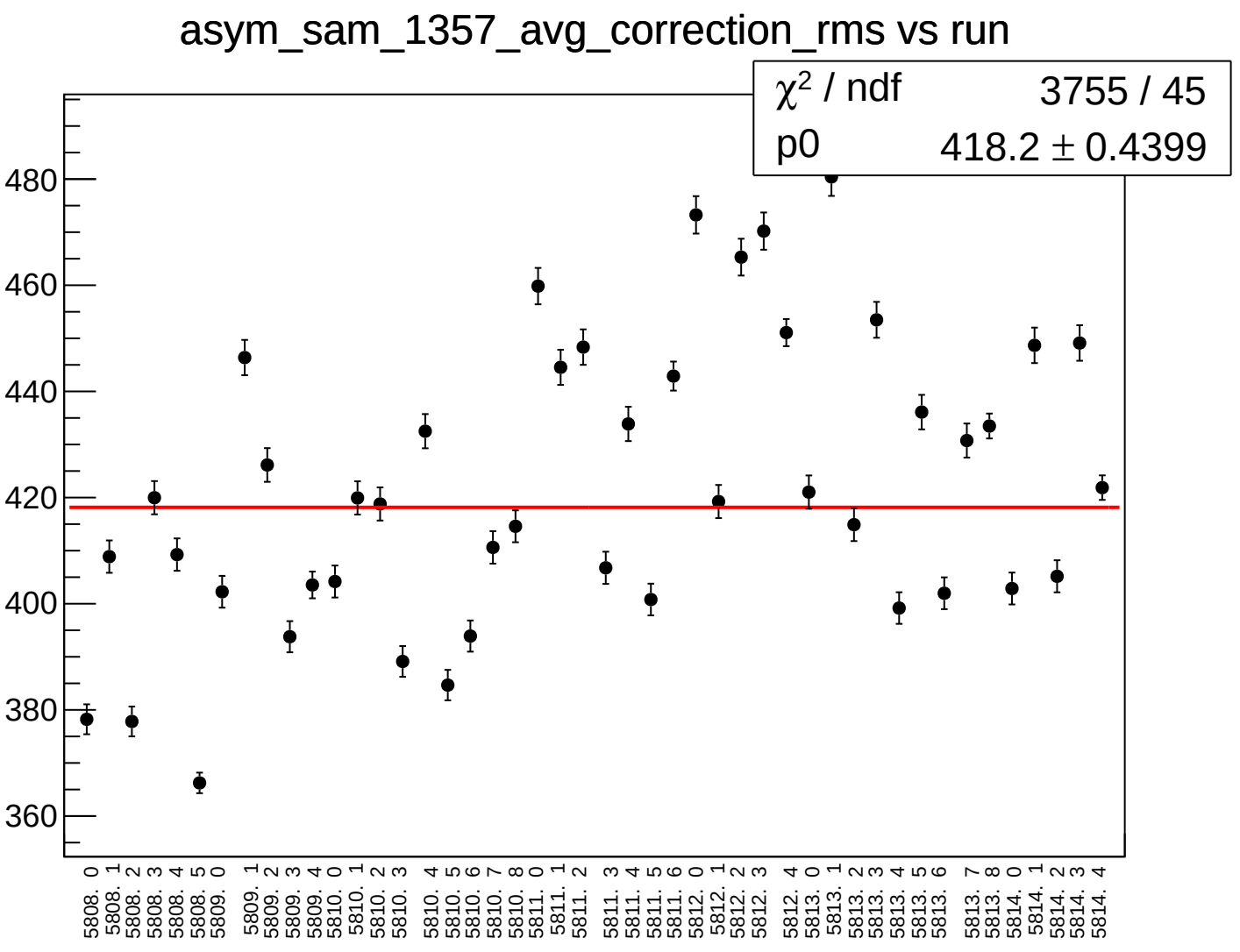

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

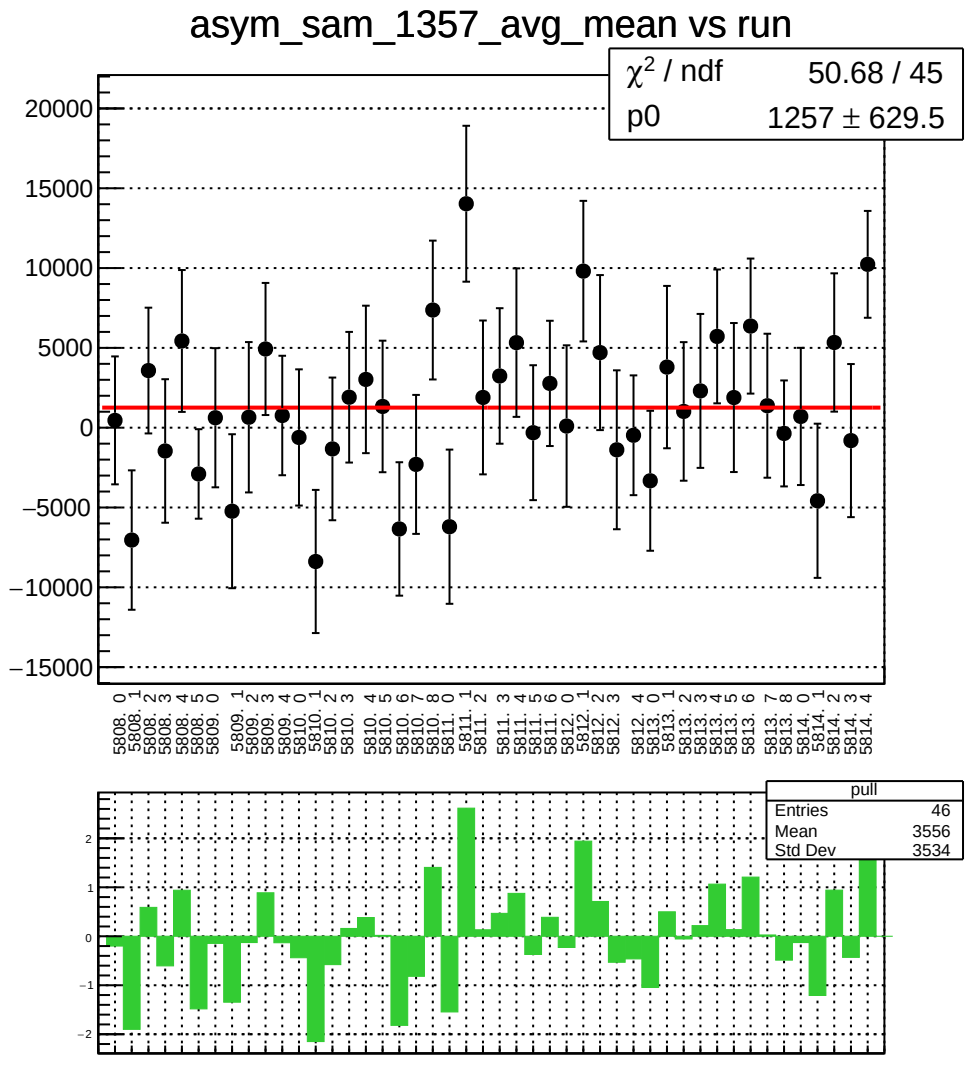

dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 52.34 / 45
p0 −170.8 ± 70.12
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −89.79
Std Dev 113.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

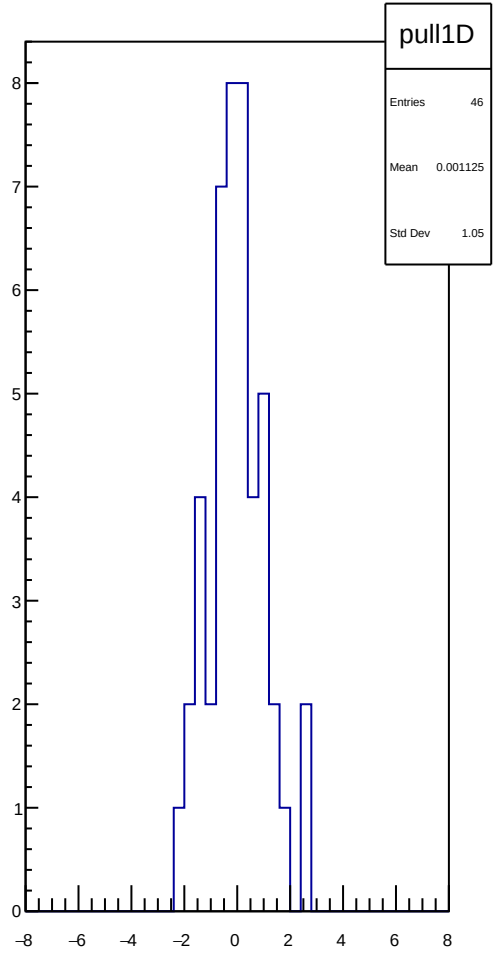

pull1D
Entries 46
Mean −0.02371
Std Dev 1.066
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

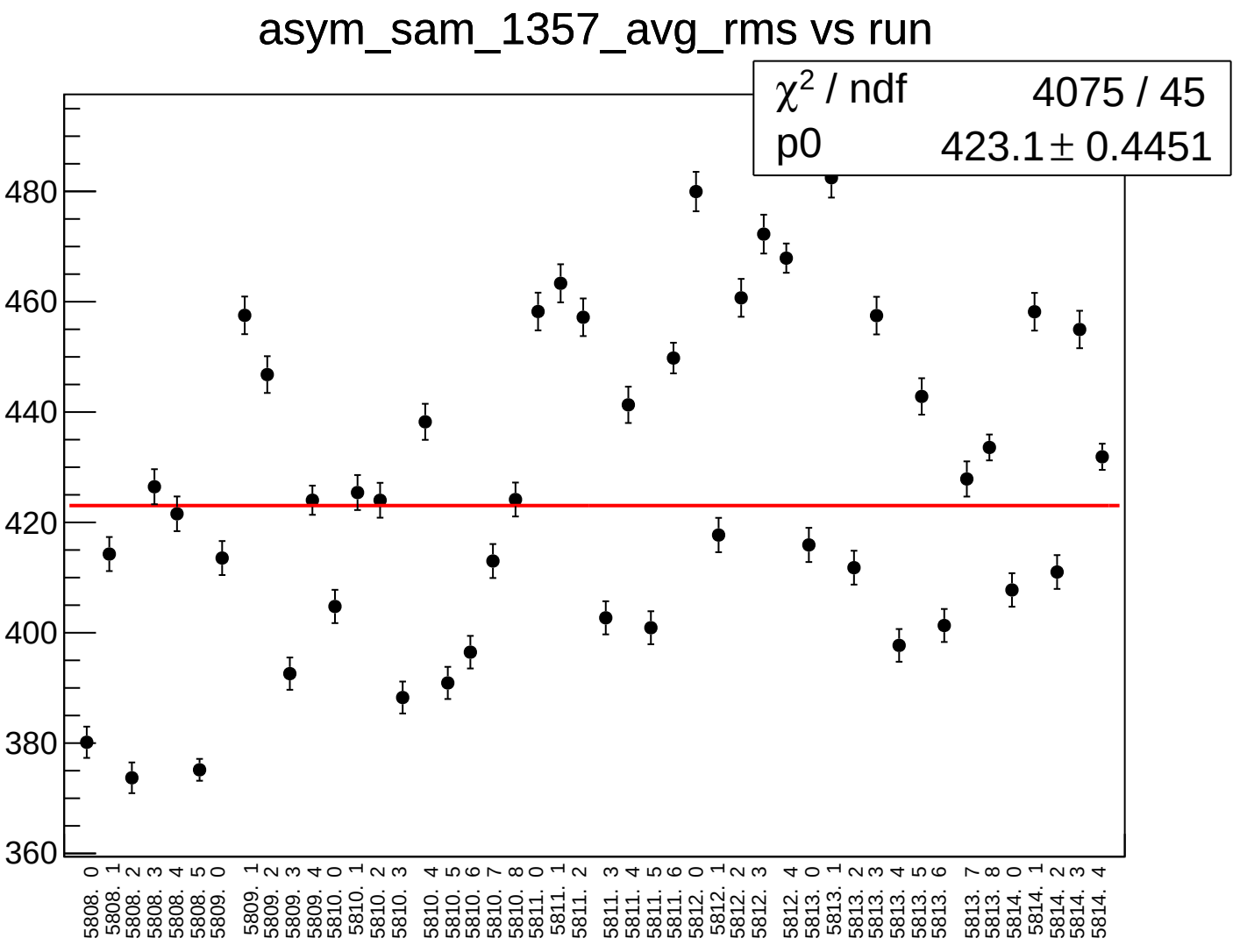

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 6850 / 45
p0 47.05 ± 0.04959
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

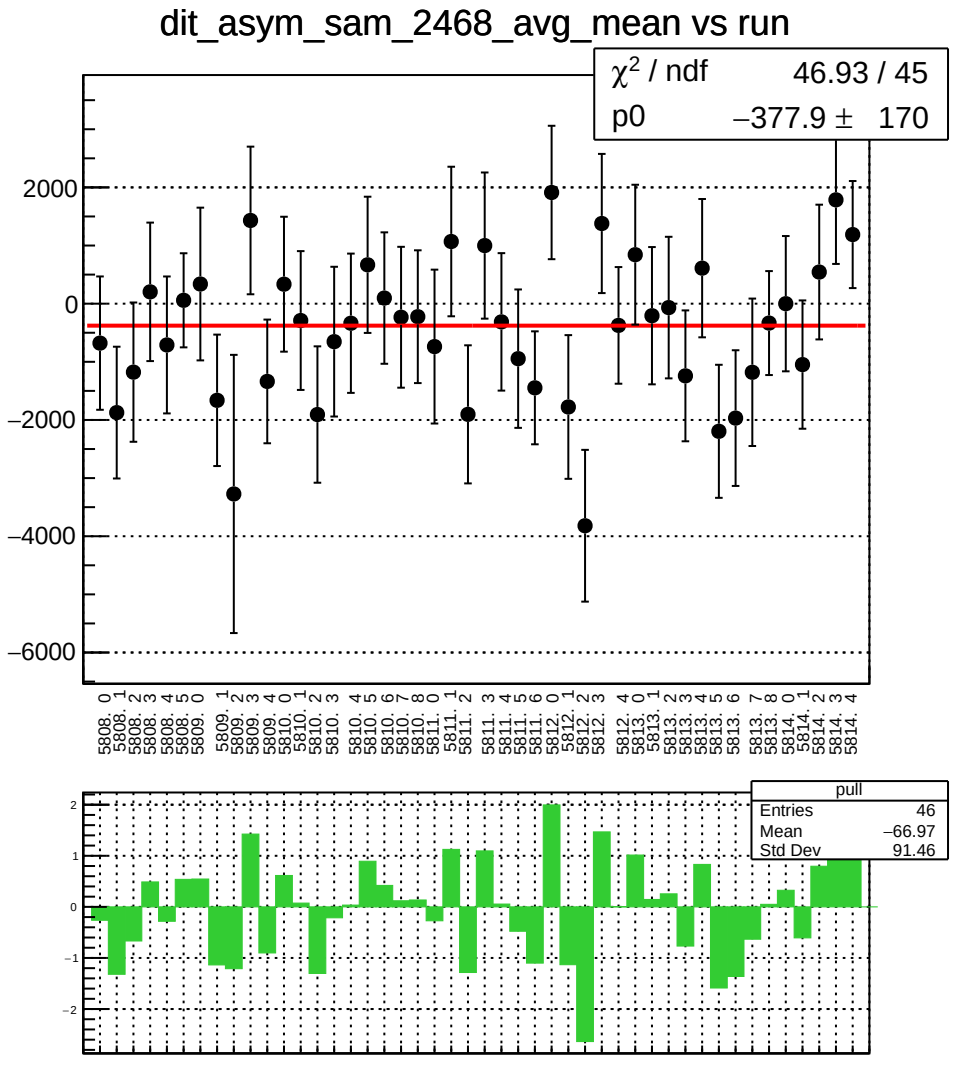

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 51.56 / 45
p0 −1465 ± 622.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1087
Std Dev 1065
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.003695
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

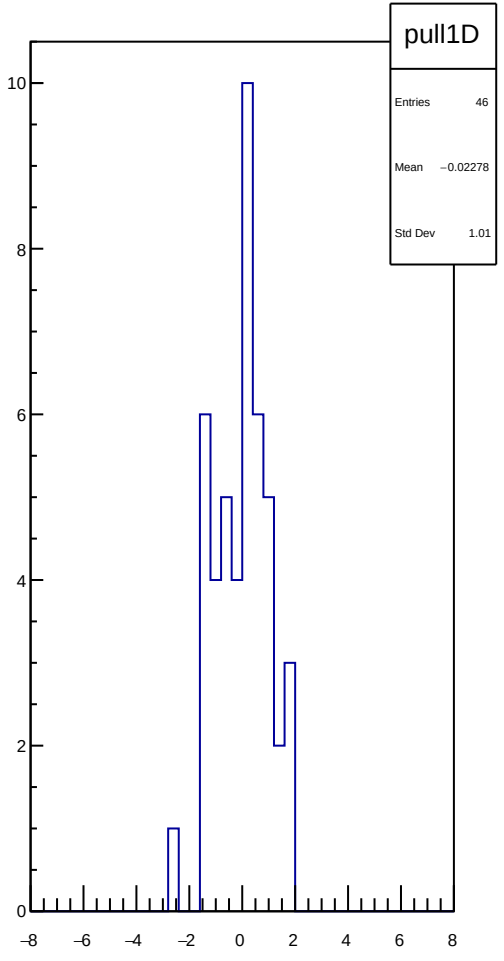

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3755 / 45
p0 418.2 ± 0.4399
480
460
440
420
400
380
360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

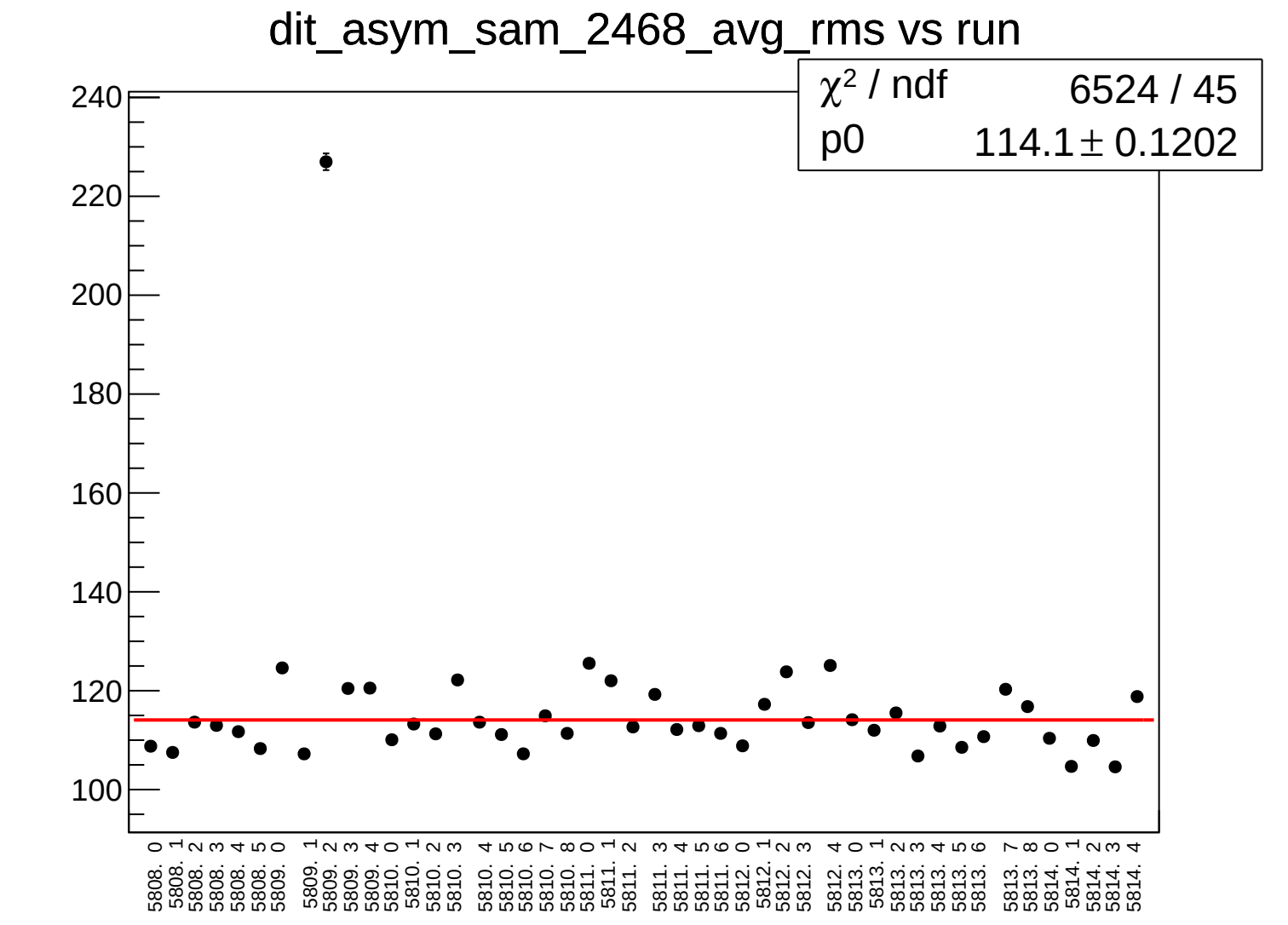

asym_sam_1357_avg_mean vs run
χ^2 / ndf 50.68 / 45
p0 1257 ± 629.5
20000
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 3556
Std Dev 3534
2
1
0
−1
−2

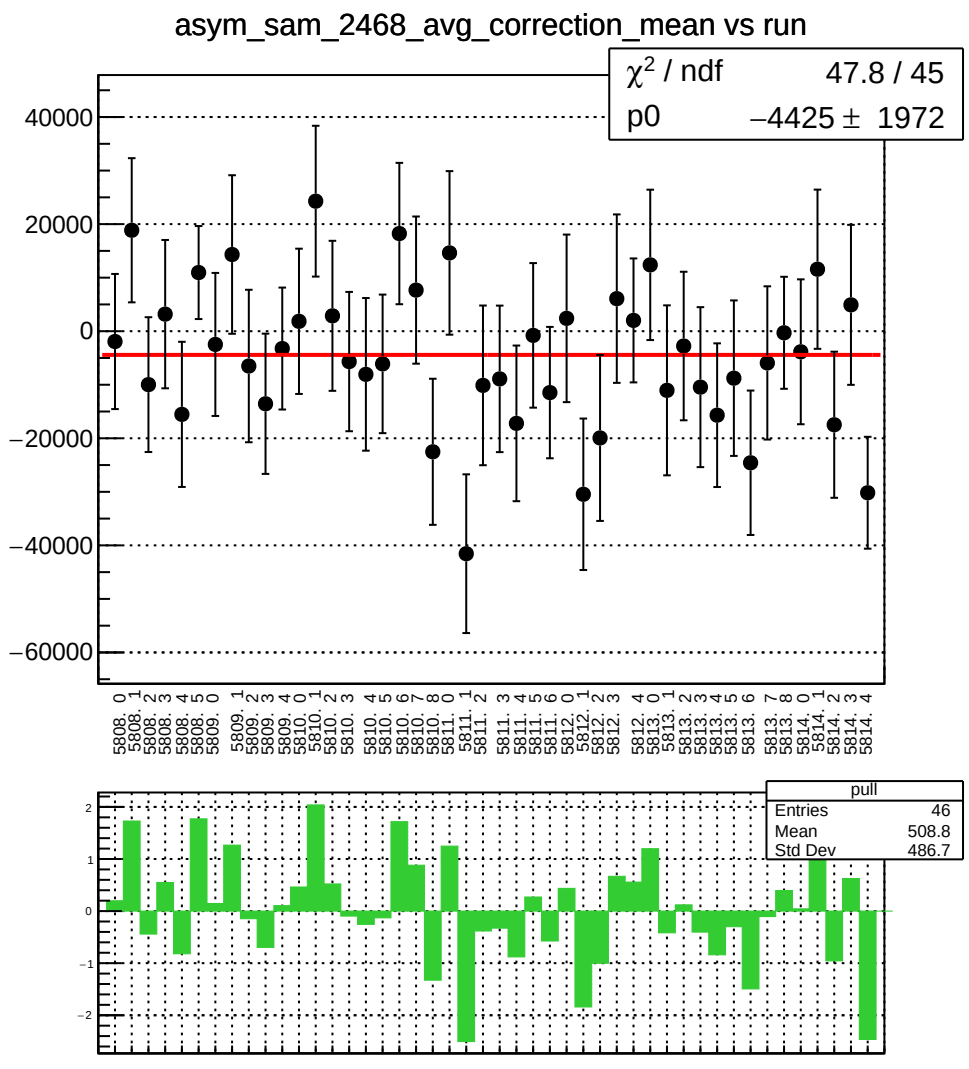

pull1D
Entries 46
Mean 0.001125
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

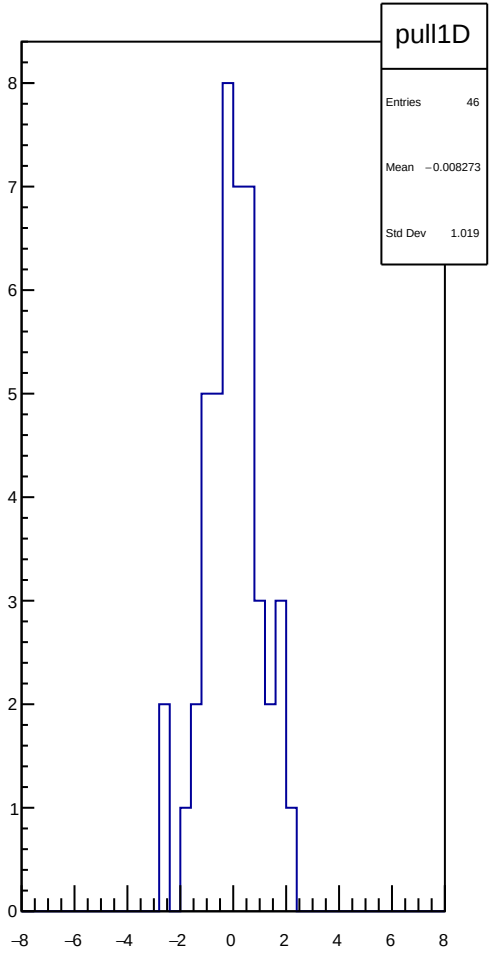

asym_sam_1357_avg_rms vs run
χ² / ndf 4075 / 45
p0 423.1 ± 0.4451
480
460
440
420
400
380
360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

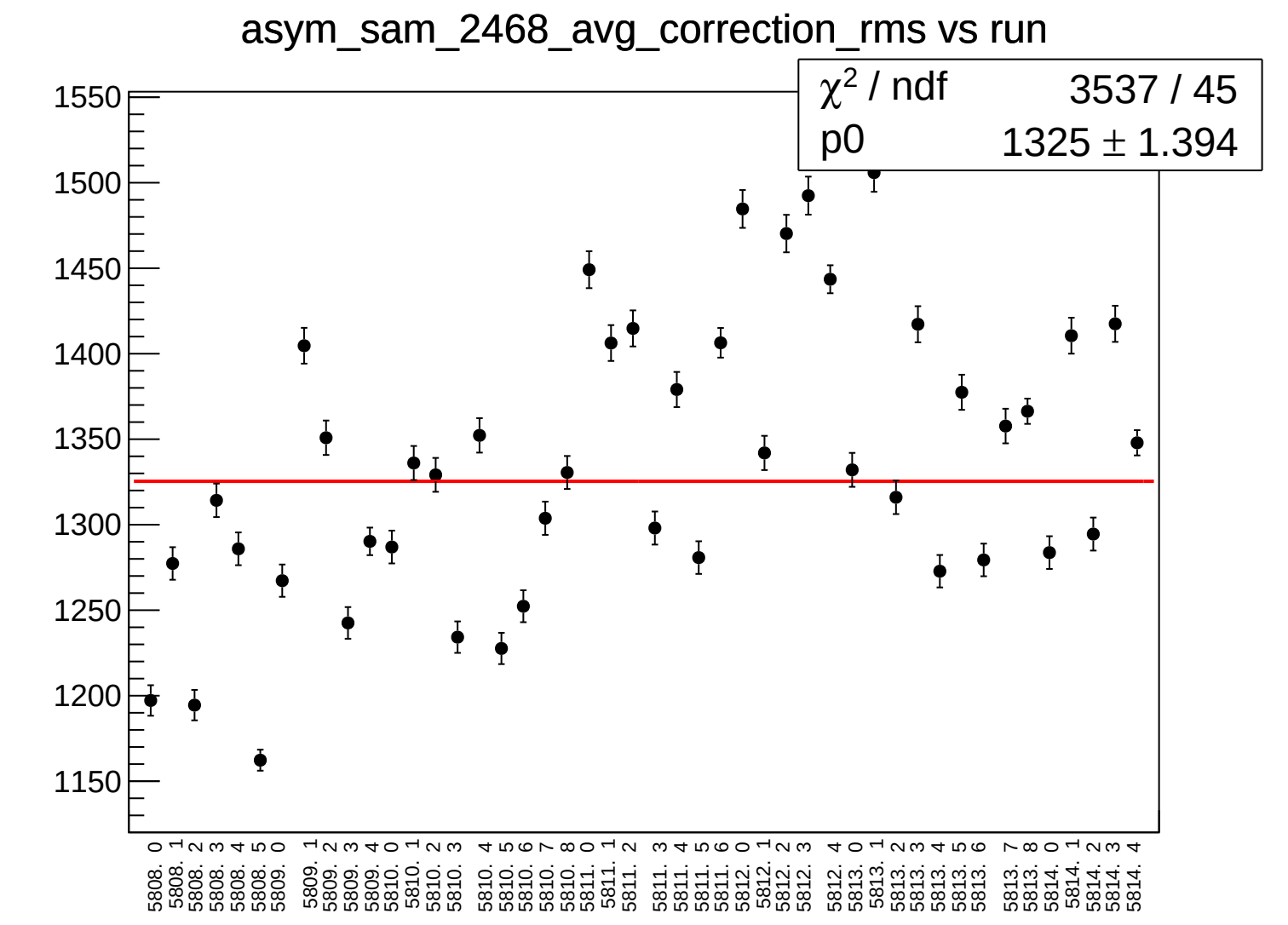

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 46.93 / 45
p0 −377.9 ± 170
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −66.97
Std Dev 91.46
2
1
0
−1
−2

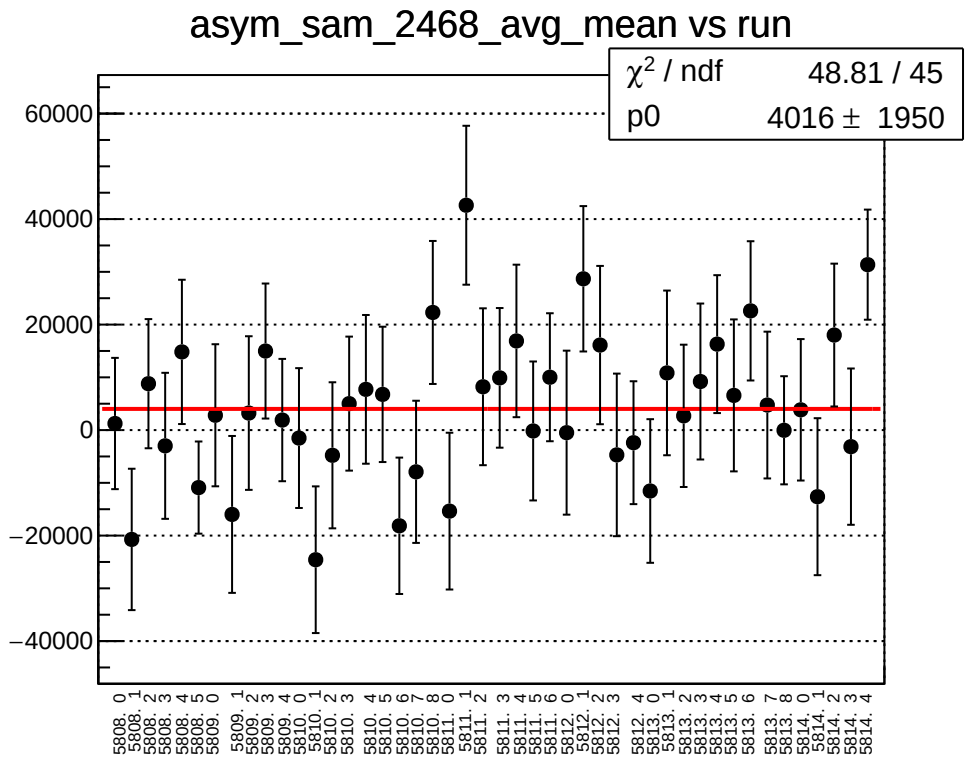

pull1D
Entries 46
Mean −0.02278
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

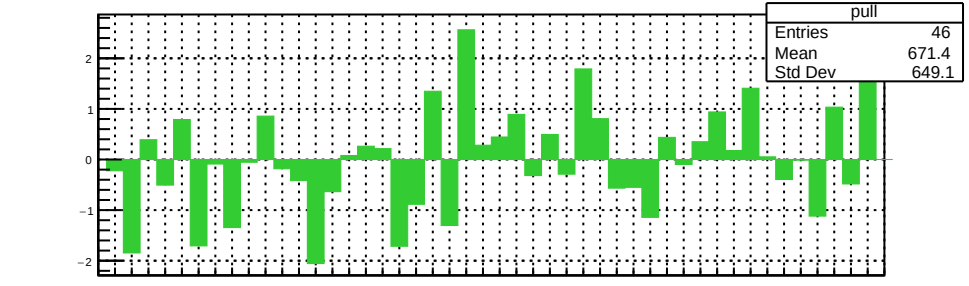

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 6524 / 45
p0 114.1 ± 0.1202
240
220
200
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

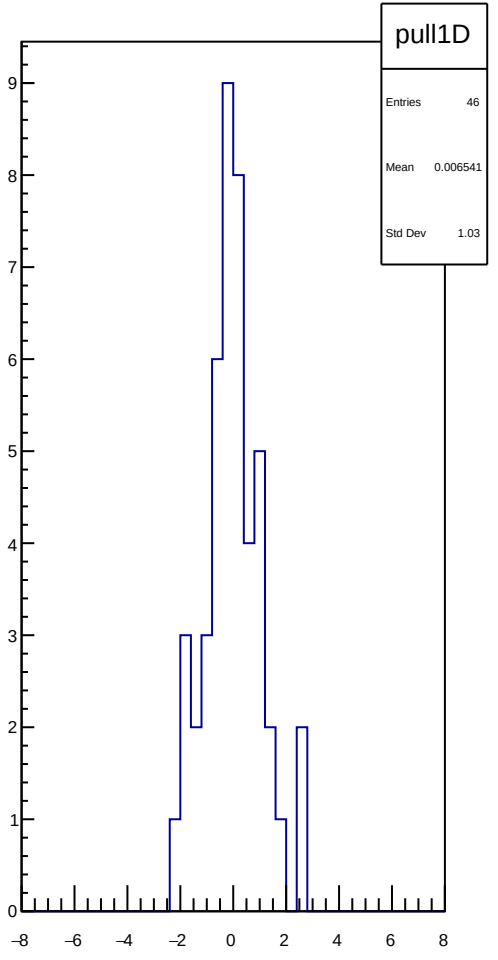

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 47.8 / 45
p0 −4425 ± 1972
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 508.8
Std Dev 486.7
2
1
0
−1
−2

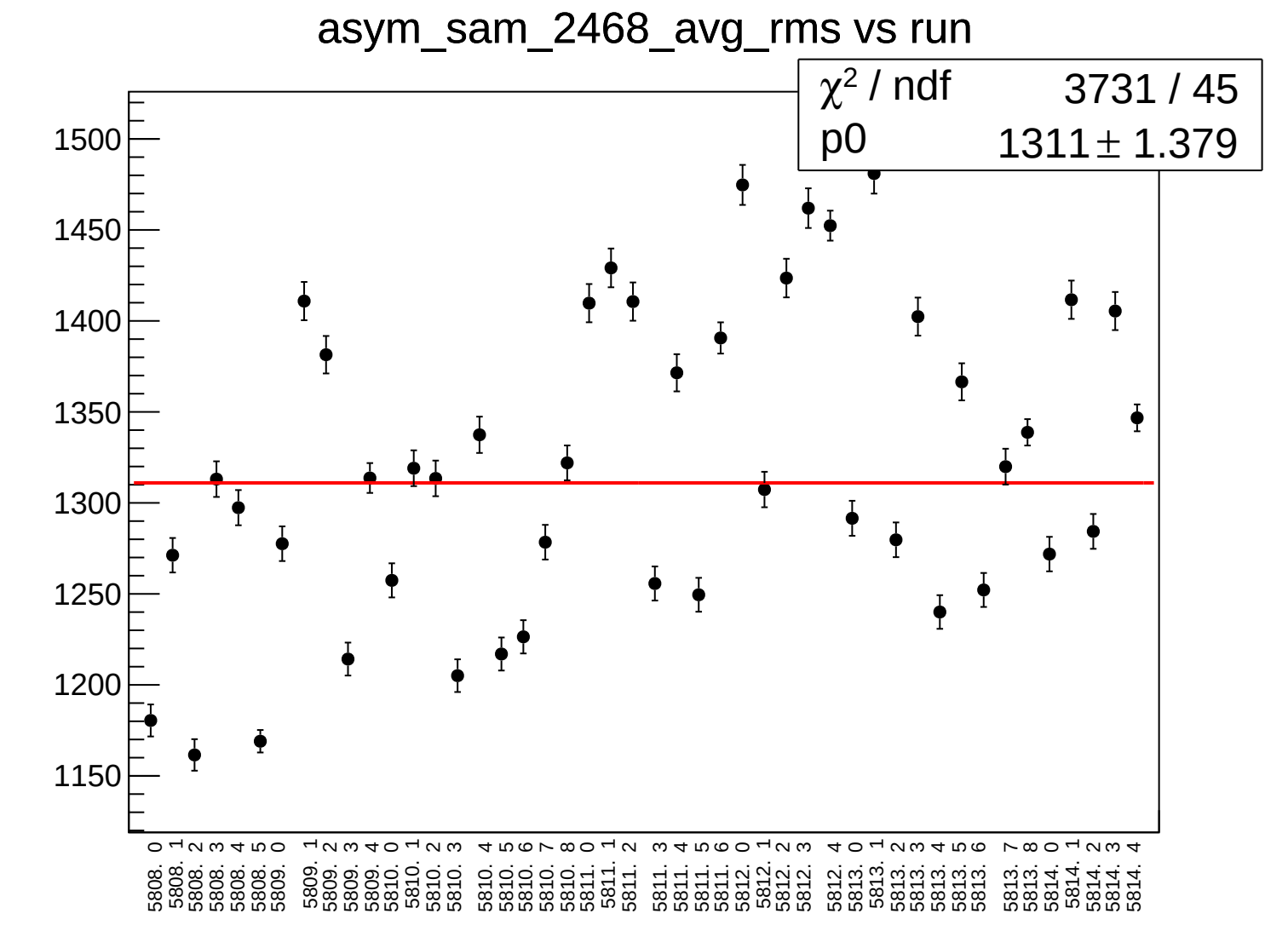

pull1D
Entries 46
Mean −0.008273
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

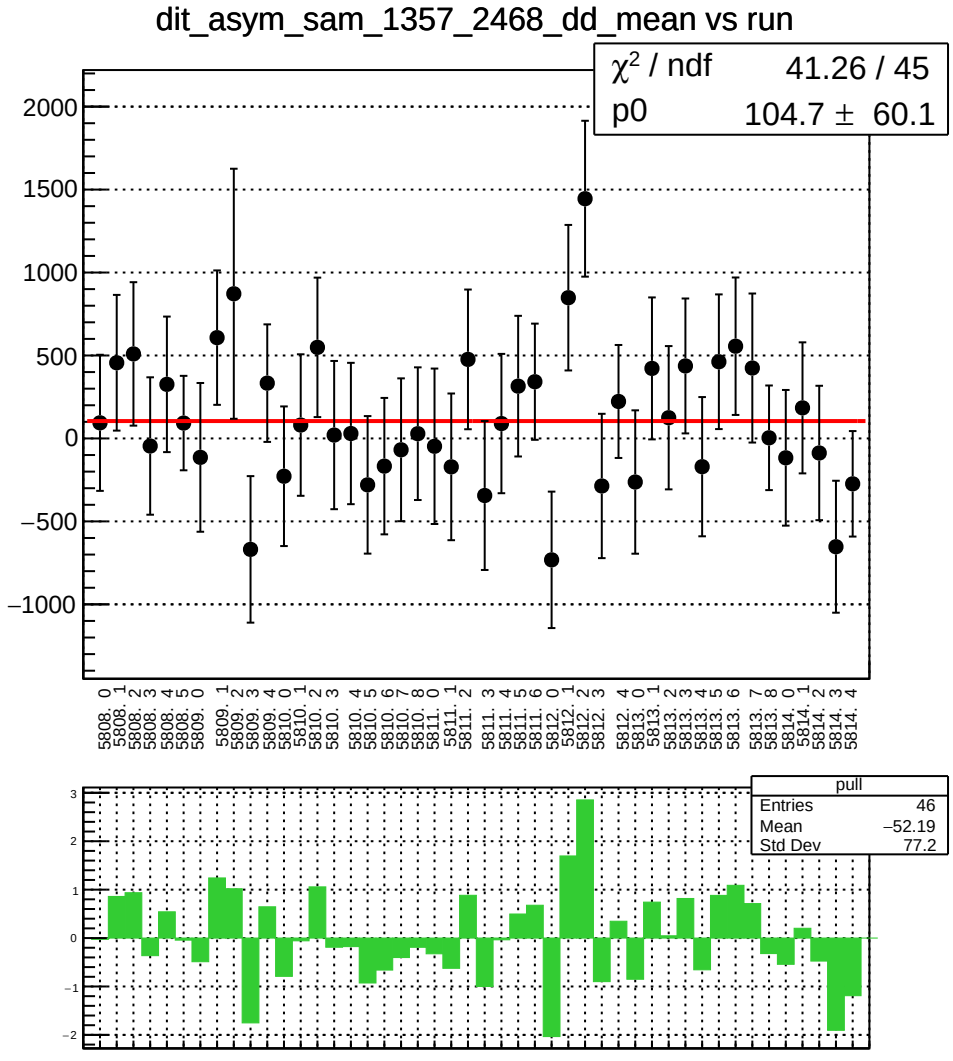

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3537 / 45
p0 1325 ± 1.394
1550
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

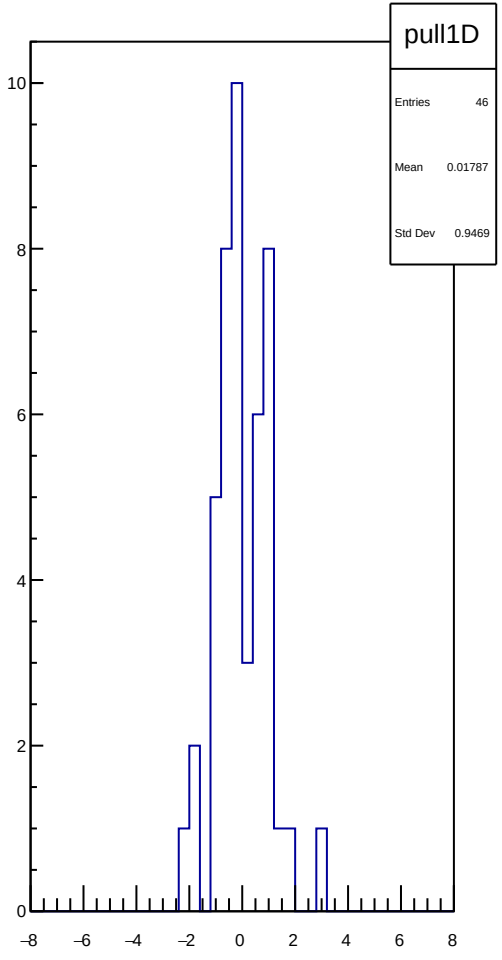

asym_sam_2468_avg_mean vs run
χ² / ndf 48.81 / 45
p0 4016 ± 1950
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

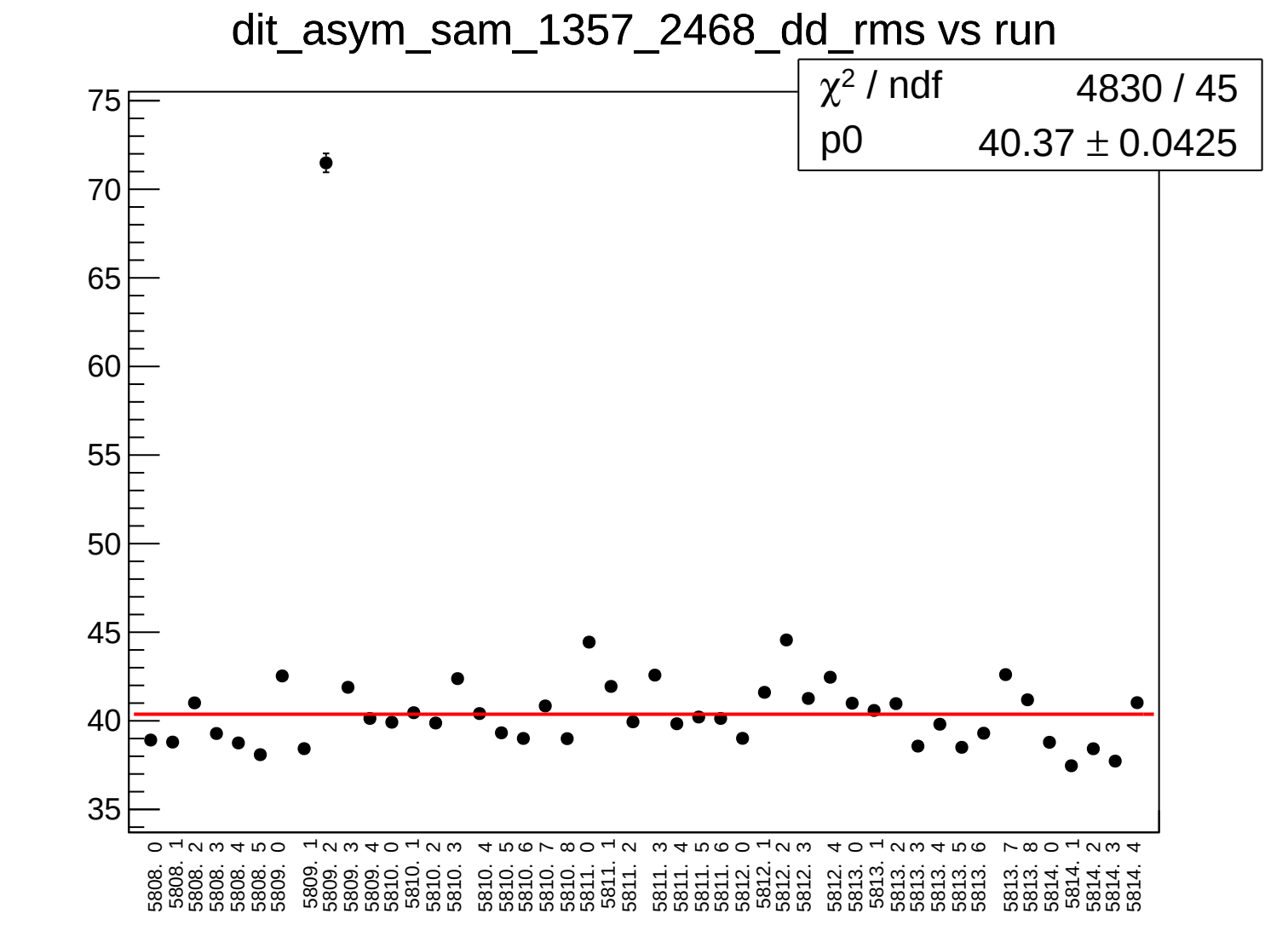

pull
Entries 46
Mean 671.4
Std Dev 649.1
2
1
0
−1
−2

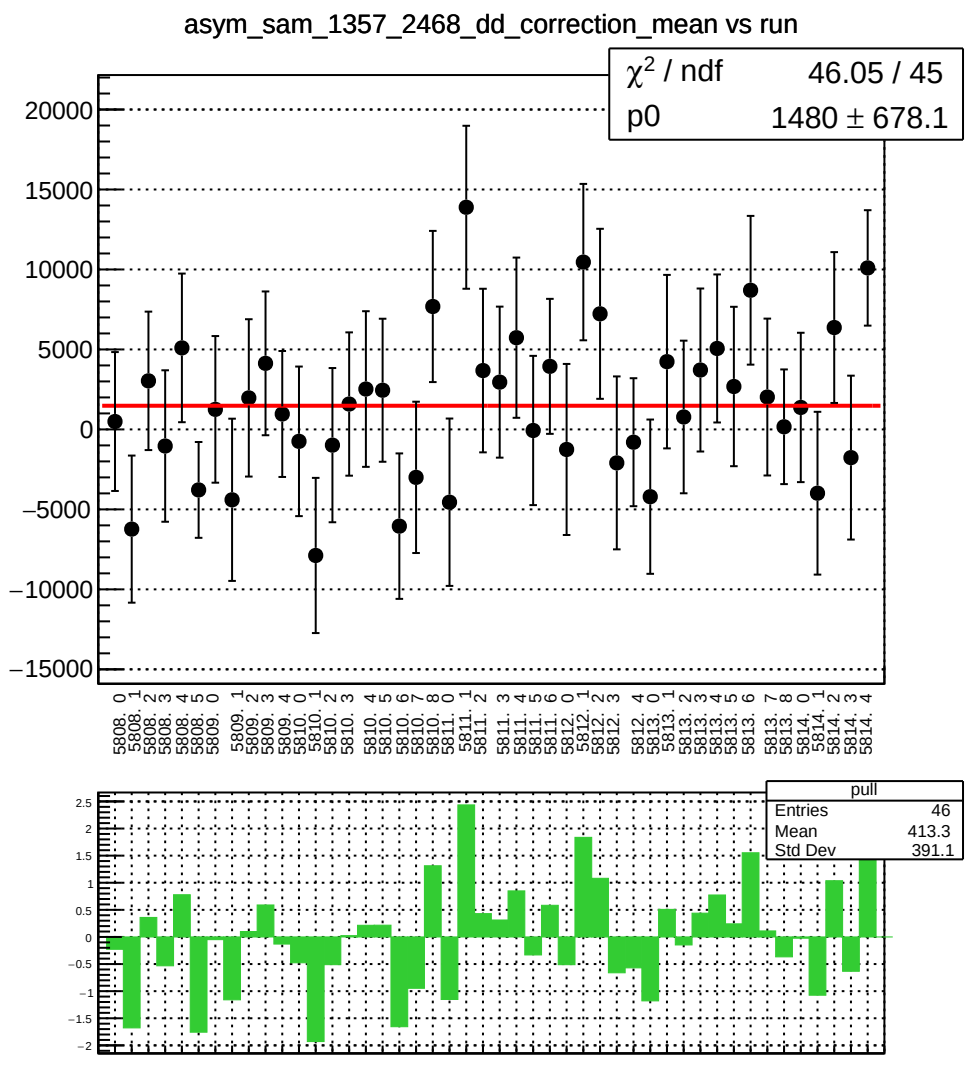

pull1D
Entries 46
Mean 0.006541
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

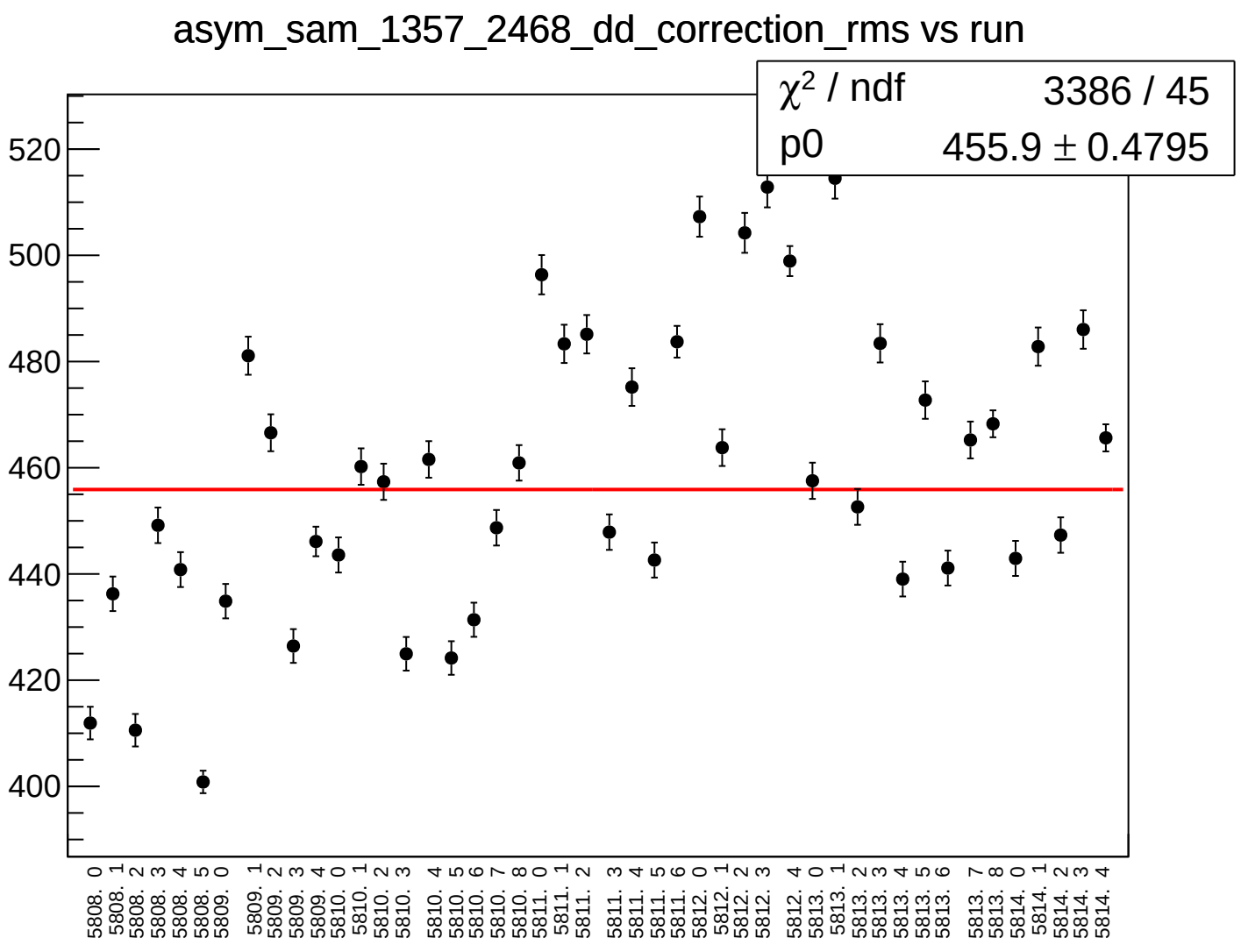

asym_sam_2468_avg_rms vs run
χ² / ndf 3731 / 45
p0 1311 ± 1.379
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

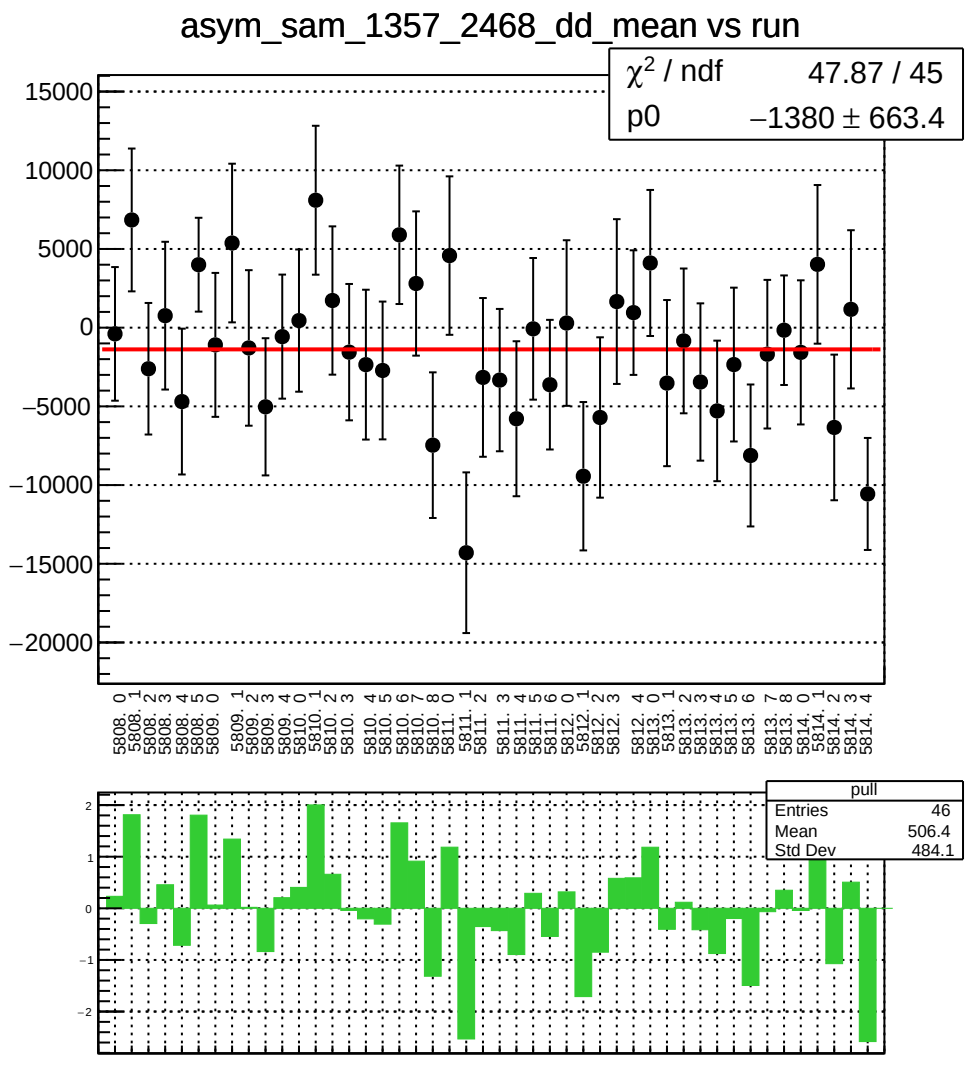

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 41.26 / 45
p0 104.7 ± 60.1
2000
1500
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −52.19
Std Dev 77.2
3
2
1
0
−1
−2

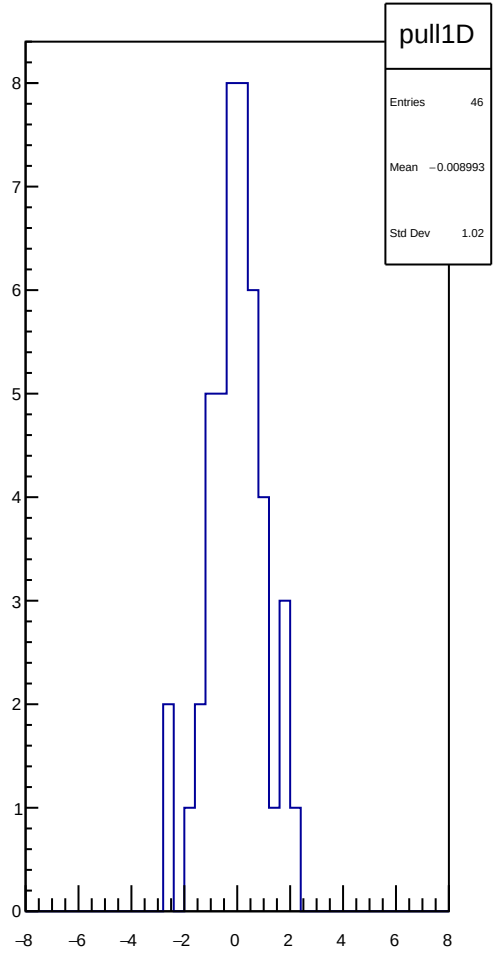

pull1D
Entries 46
Mean 0.01787
Std Dev 0.9469
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

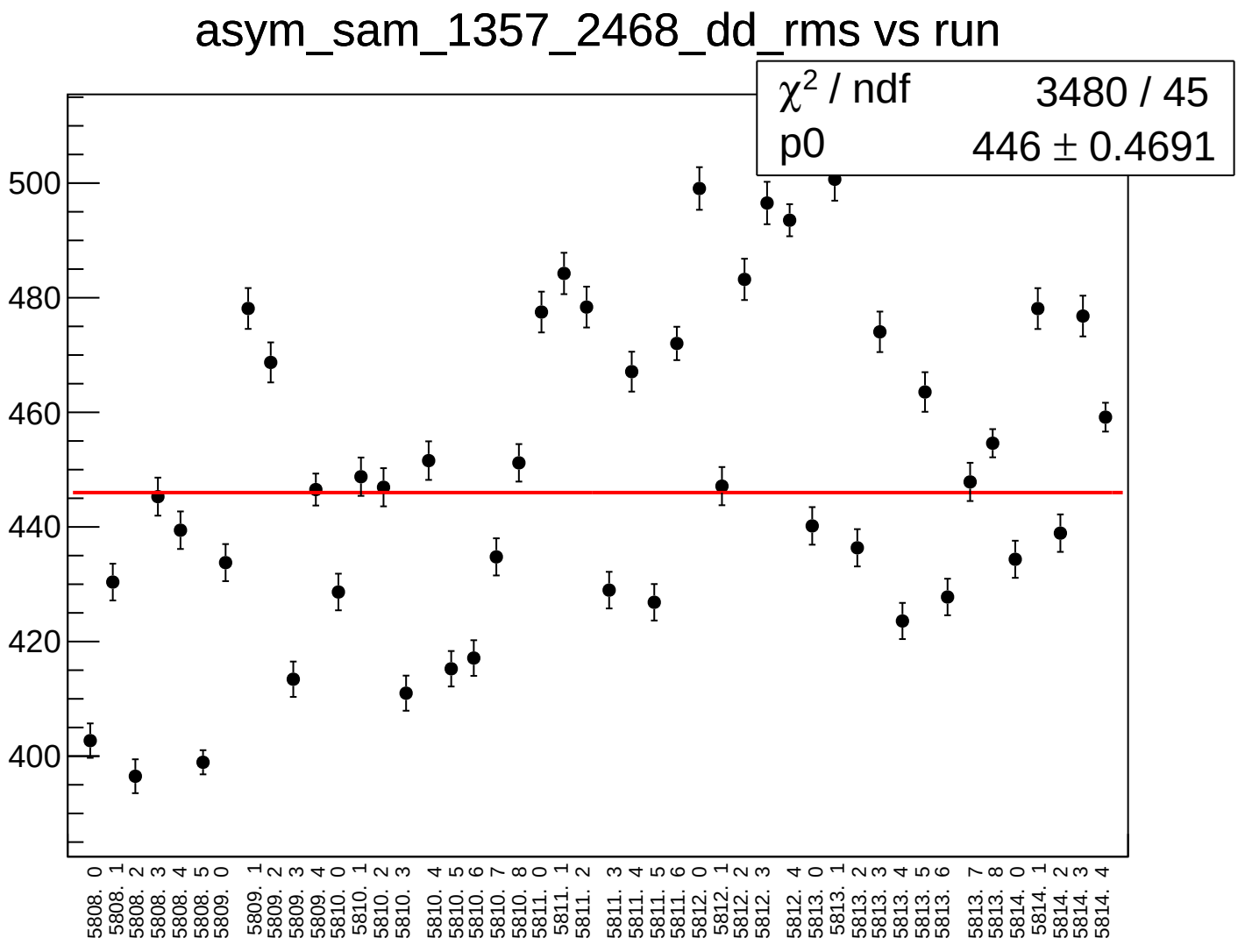

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4830 / 45
p0 40.37 ± 0.0425
75
70
65
60
55
50
45
40
35
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

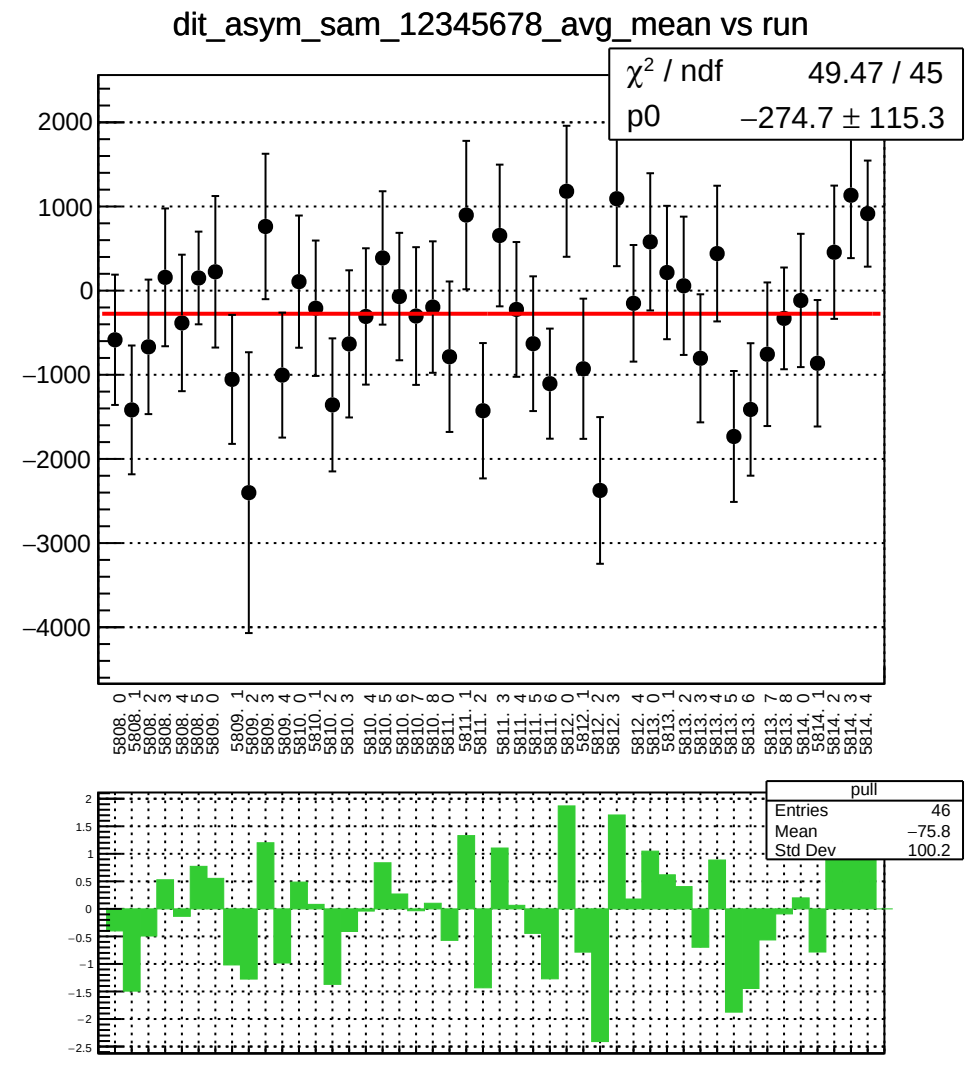

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 46.05 / 45
p0 1480 ± 678.1
20000
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 413.3
Std Dev 391.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.01035
Std Dev 1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

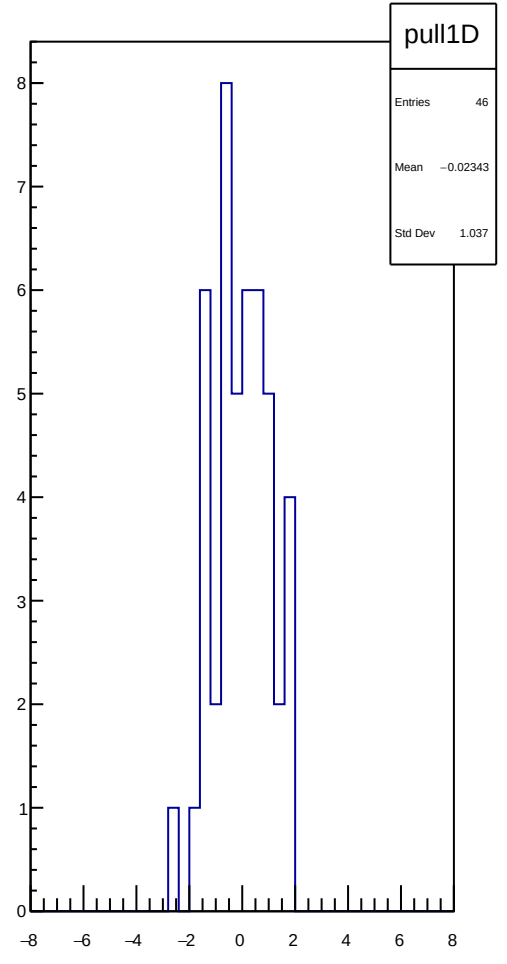

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3386 / 45
p0 455.9 ± 0.4795
520
500
480
460
440
420
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

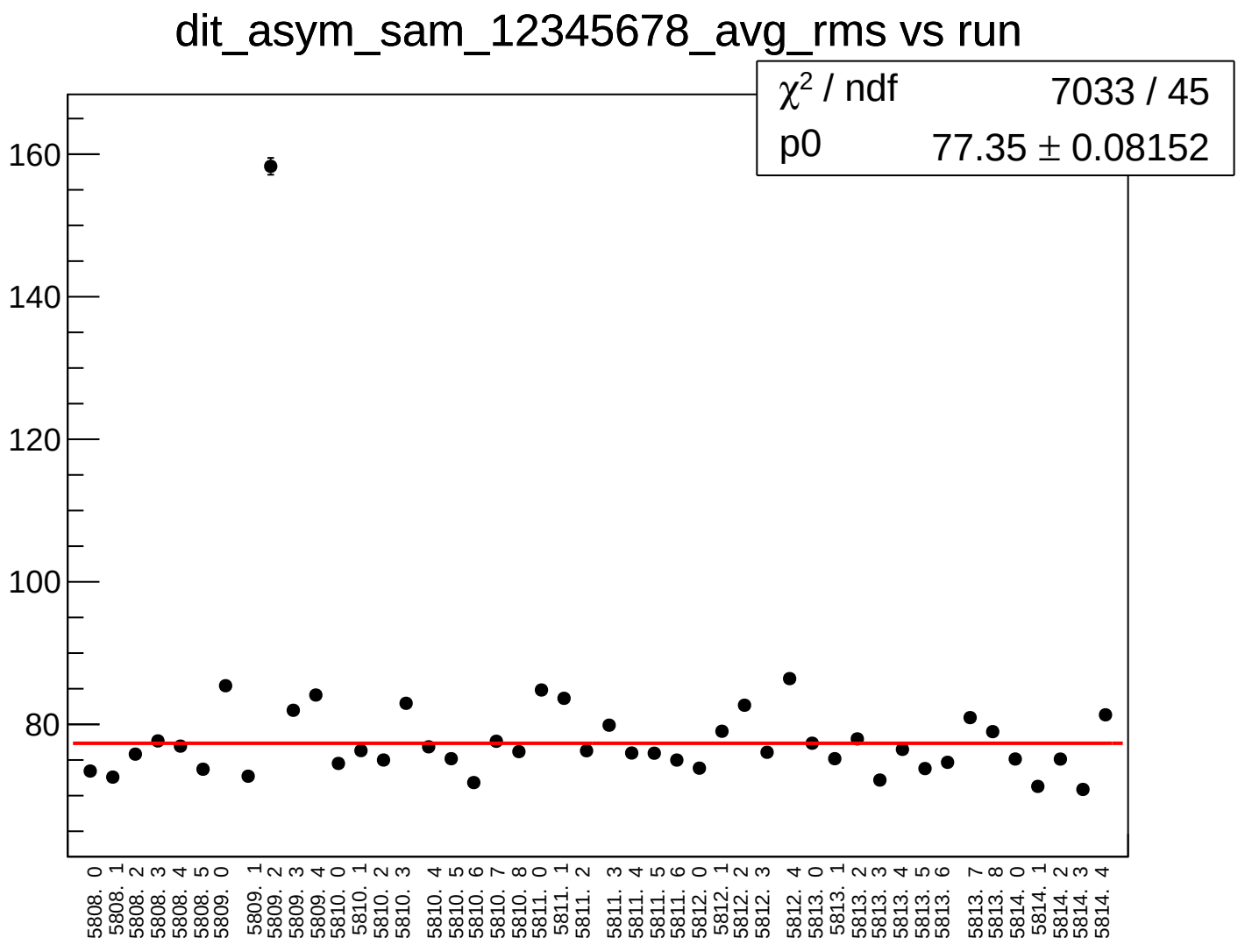

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 47.87 / 45
p0 −1380 ± 663.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 506.4
Std Dev 484.1
2
1
0
−1
−2


pull1D
Entries 46
Mean −0.008993
Std Dev 1.02
8
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 3480 / 45
p0 446 ± 0.4691
500
480
460
440
420
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 49.47 / 45
p0 −274.7 ± 115.3
2000
1000
0
−1000
−2000
−3000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −75.8
Std Dev 100.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 46
Mean −0.02343
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 7033 / 45
p0 77.35 ± 0.08152
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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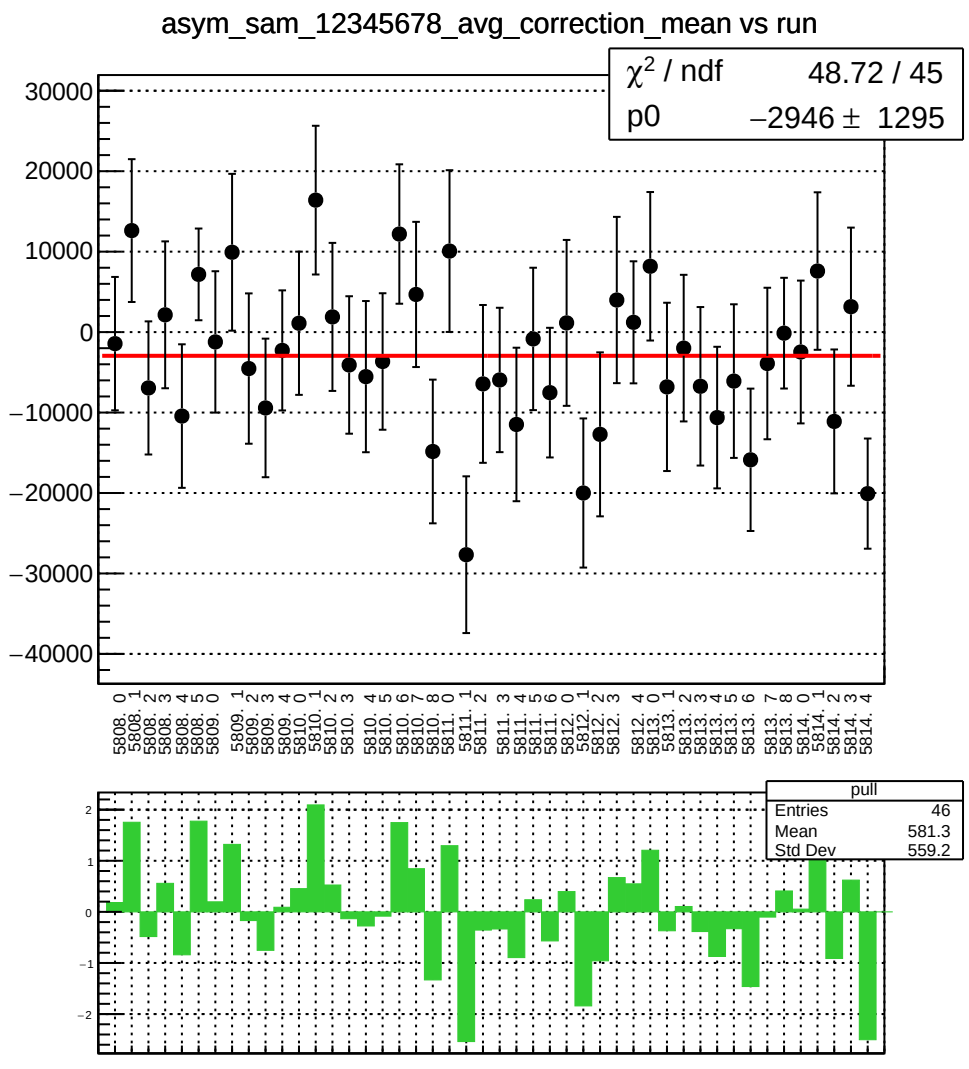
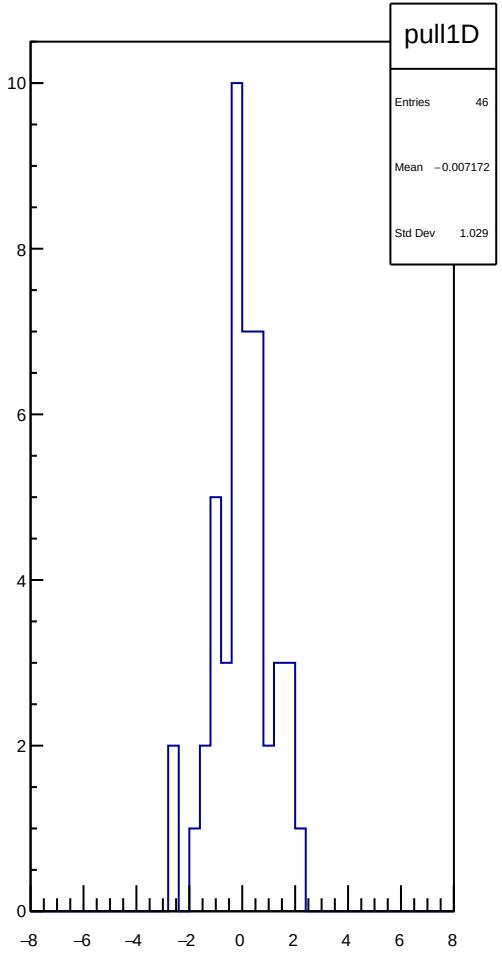
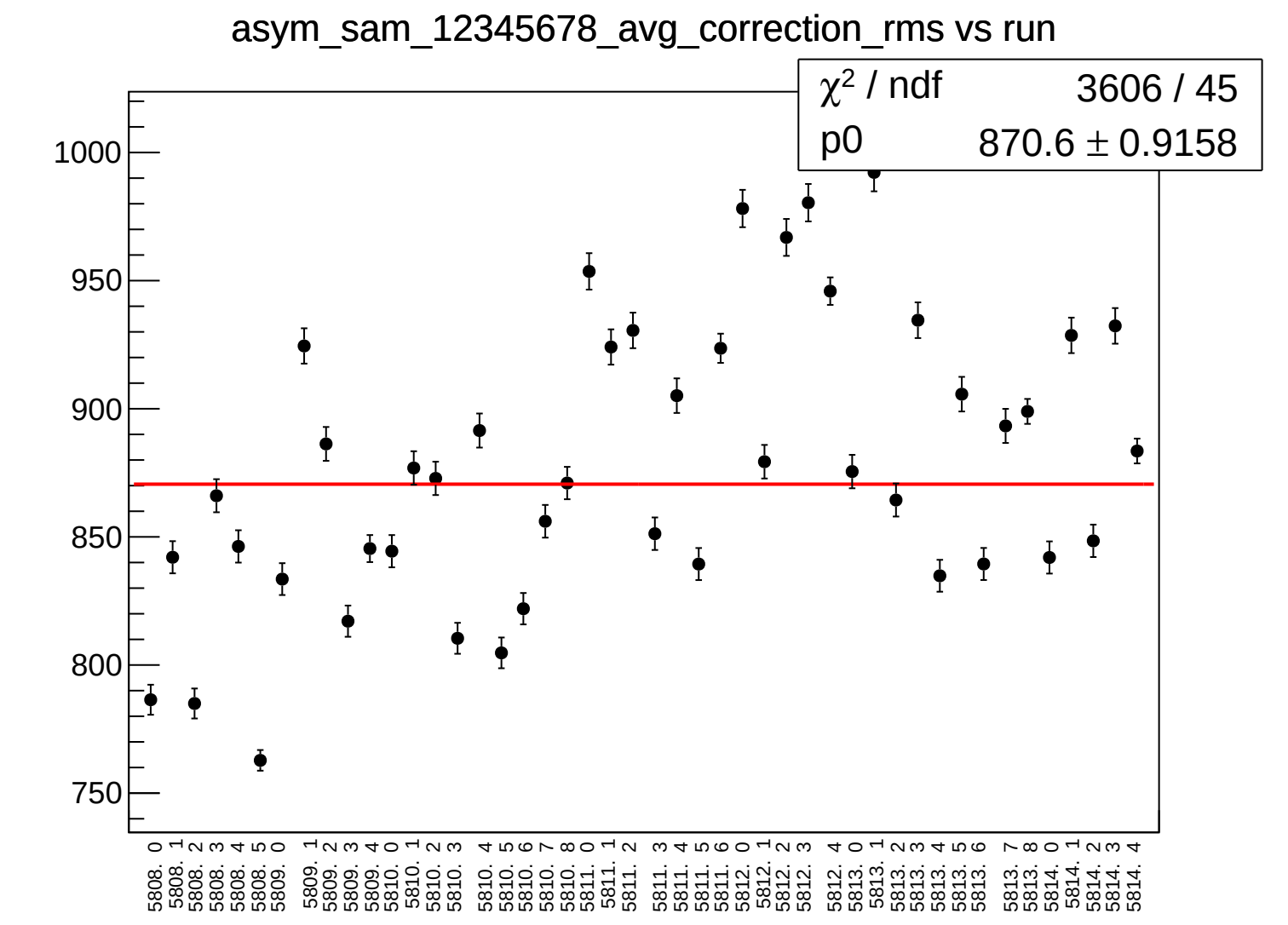
5814. 3
5814. 4


asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 48.72 / 45
p0 −2946 ± 1295
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 581.3
Std Dev 559.2
2
1
0
−1
−2


pull1D
Entries 46
Mean −0.007172
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3606 / 45
p0 870.6 ± 0.9158
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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5813. 8
5814. 0
5814. 1
5814. 2
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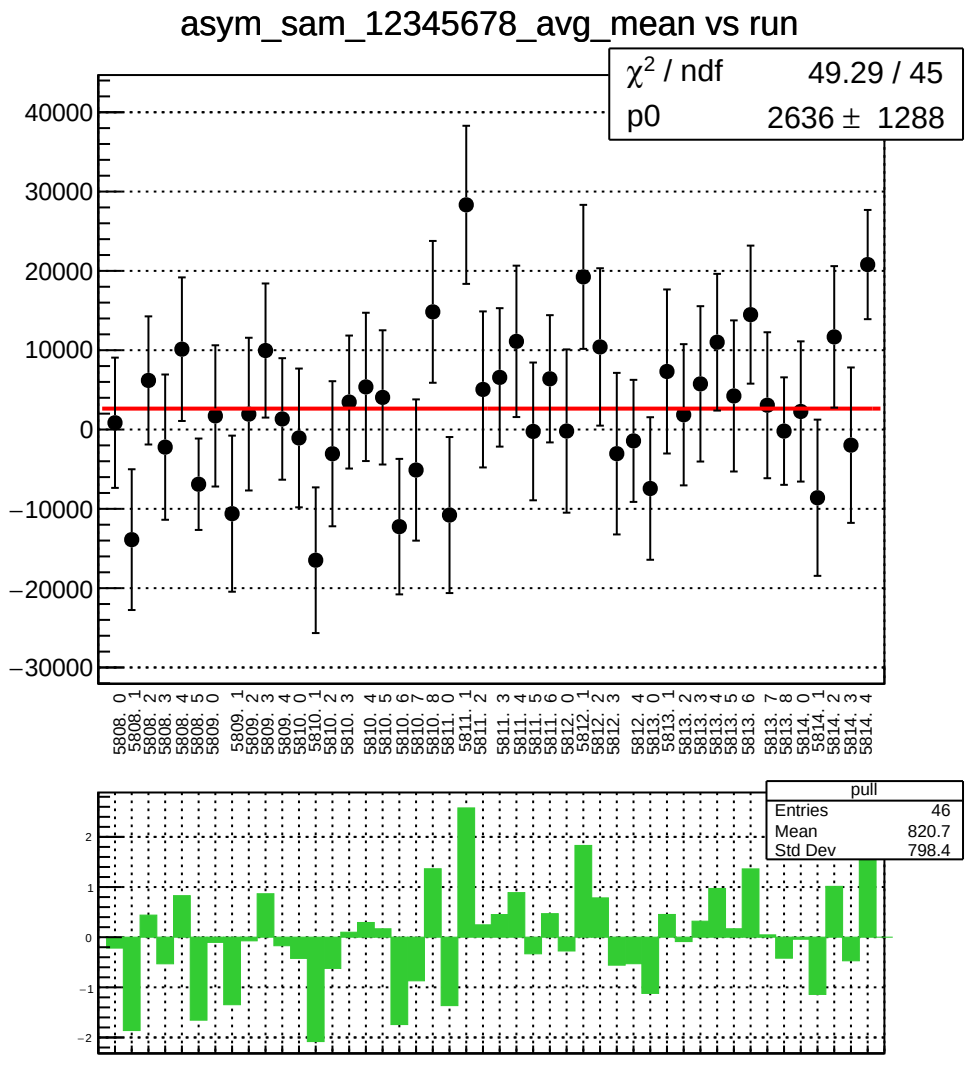
5814. 4


asym_sam_12345678_avg_mean vs run
χ² / ndf 49.29 / 45
p0 2636 ± 1288
40000
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
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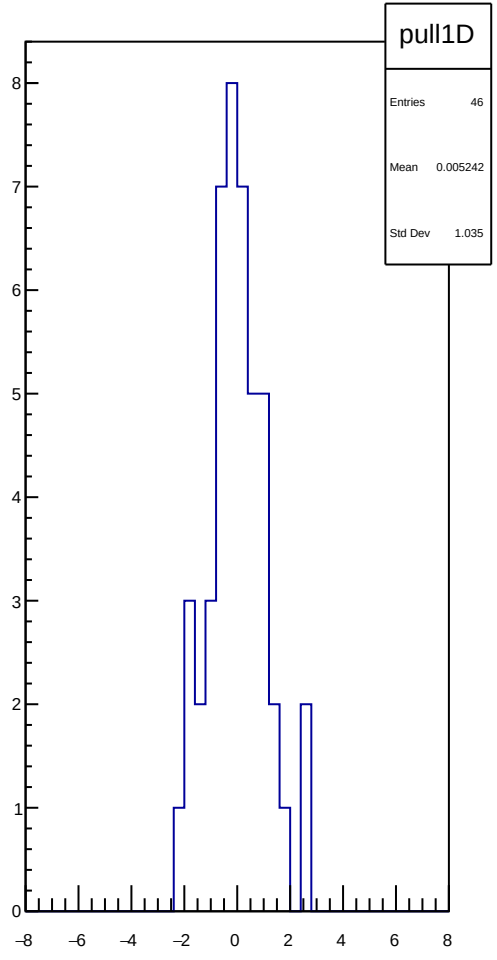
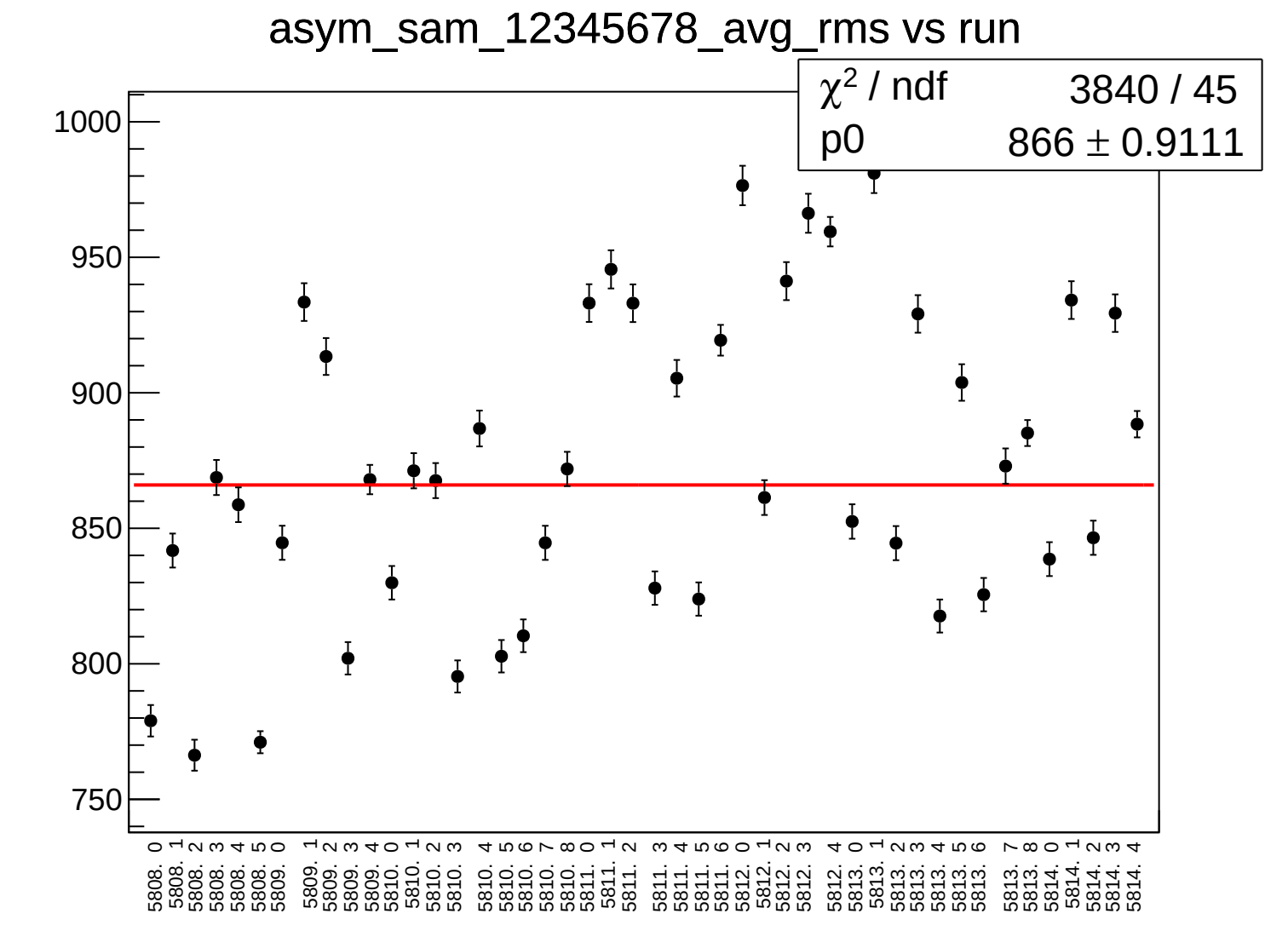
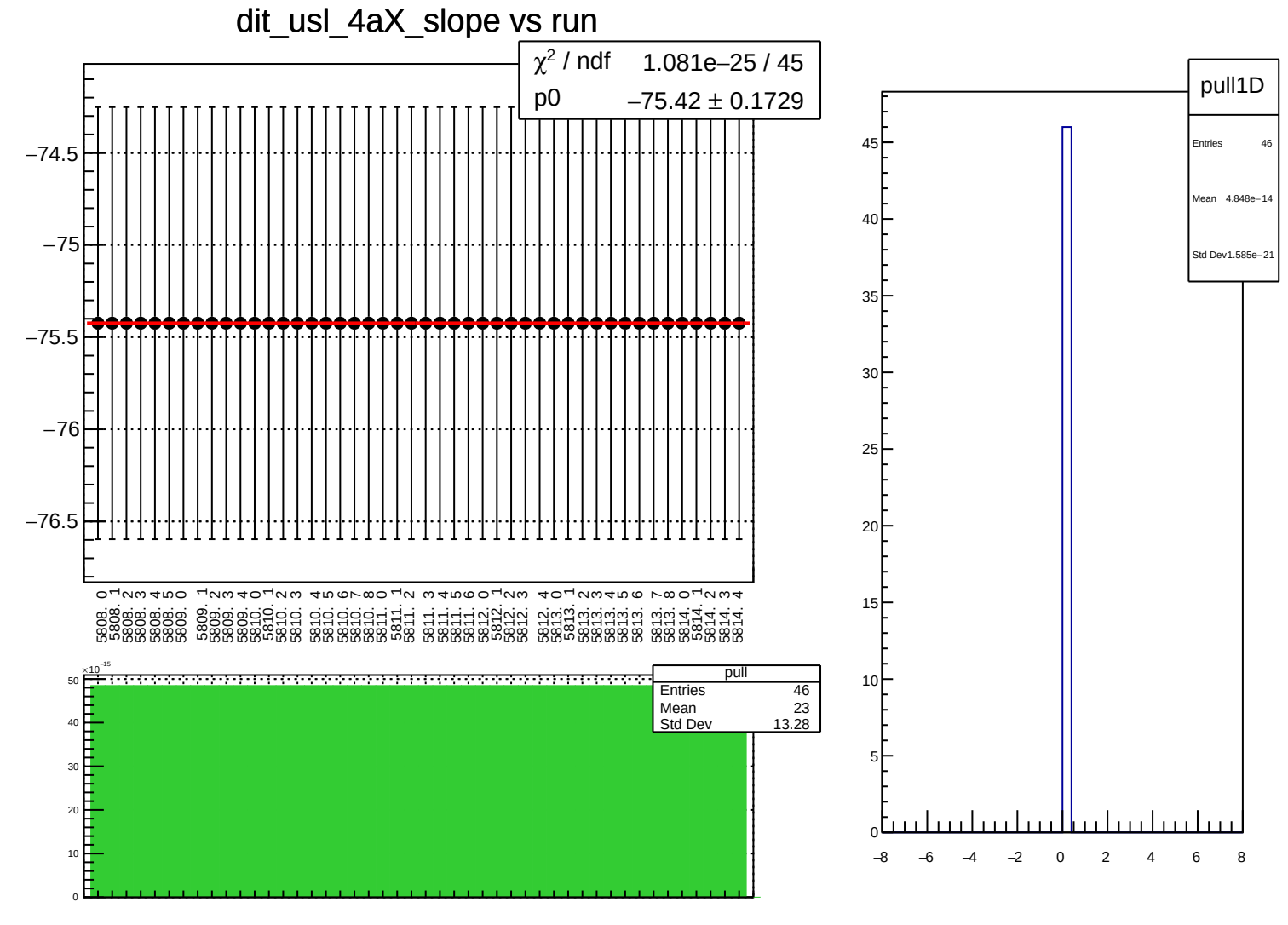
5814. 3
5814. 4
pull
Entries 46
Mean 820.7
Std Dev 798.4
2
1
0
−1
−2


pull1D
Entries 46
Mean 0.005242
Std Dev 1.035
8
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 3840 / 45
p0 866 ± 0.9111
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


dit_usl_4aX_slope vs run
χ² / ndf 1.081e−25 / 45
p0 −75.42 ± 0.1729
−74.5
−75
−75.5
−76
−76.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 4.848e−14
Std Dev1.585e−21
45
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25
20
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10
5
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−4
−2
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6
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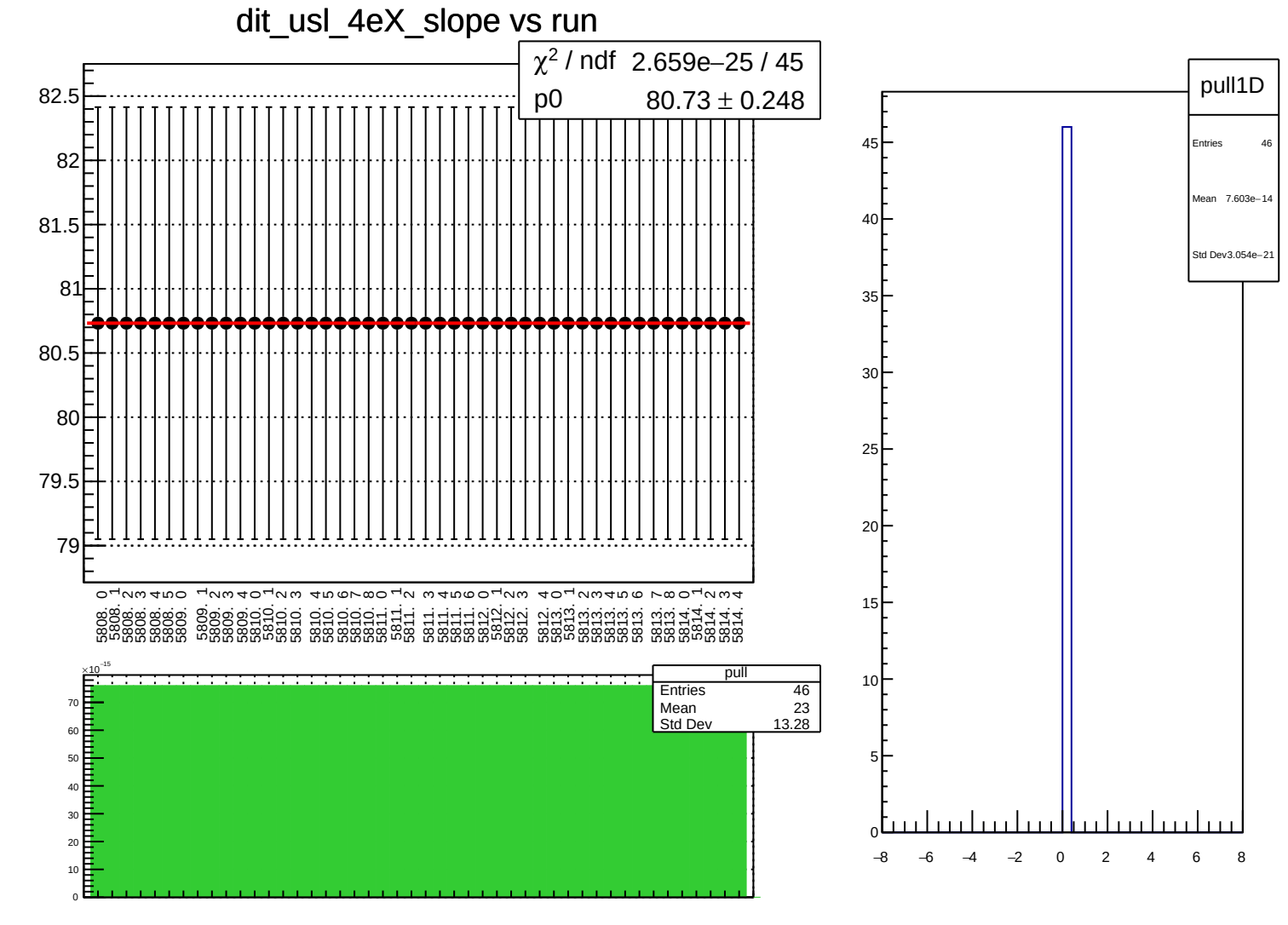
dit_usl_4eX_slope vs run
χ² / ndf 2.659e−25 / 45
p0 80.73 ± 0.248
82.5
82
81.5
81
80.5
80
79.5
79
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
70
60
50
40
30
20
10
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 7.603e−14
Std Dev3.054e−21
45
40
35
30
25
20
15
10
5
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−6
−4
−2
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6
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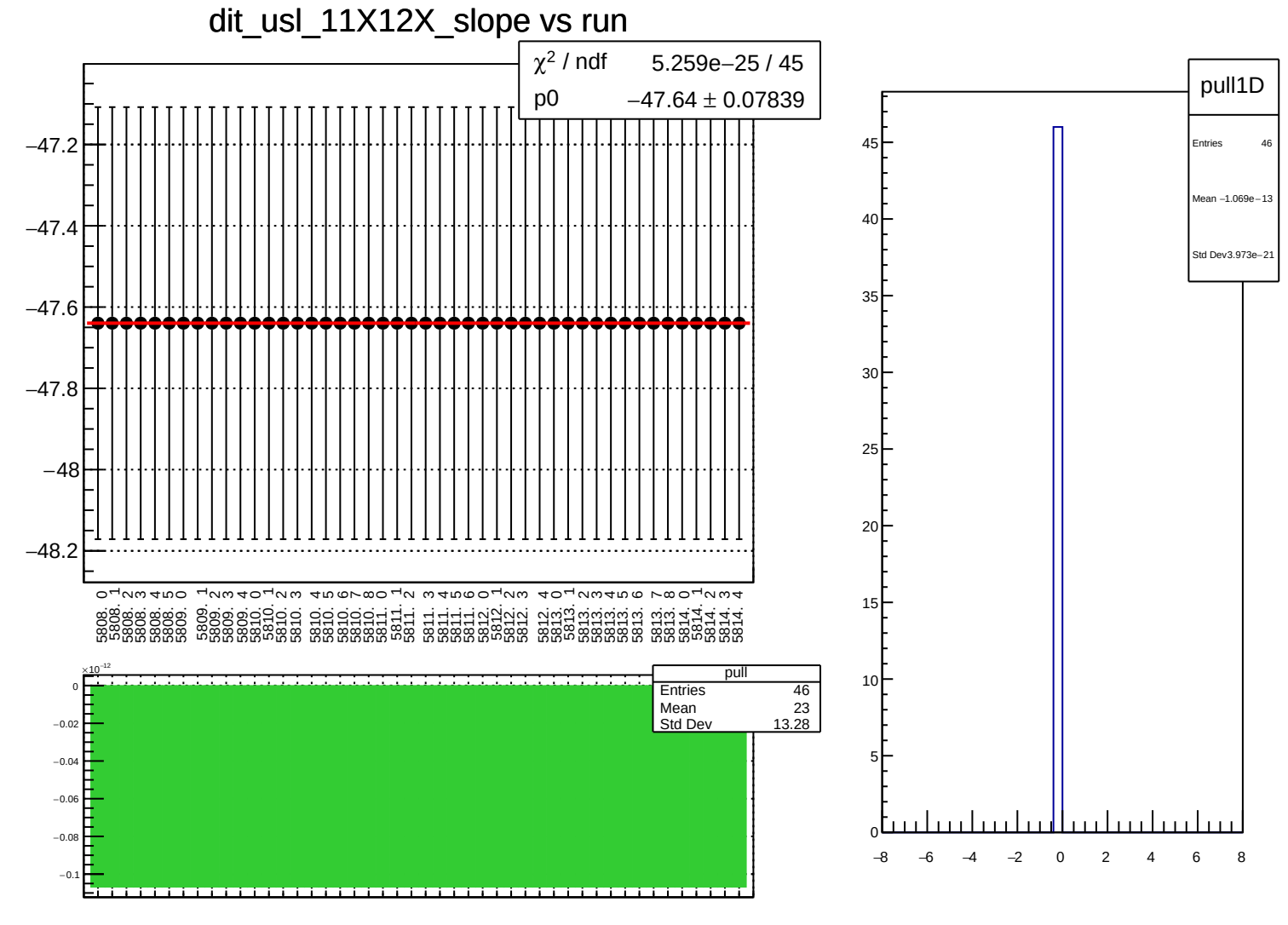
dit_usl_11X12X_slope vs run
χ² / ndf 5.259e−25 / 45
p0 −47.64 ± 0.07839
−47.2
−47.4
−47.6
−47.8
−48
−48.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.069e−13
Std Dev3.973e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
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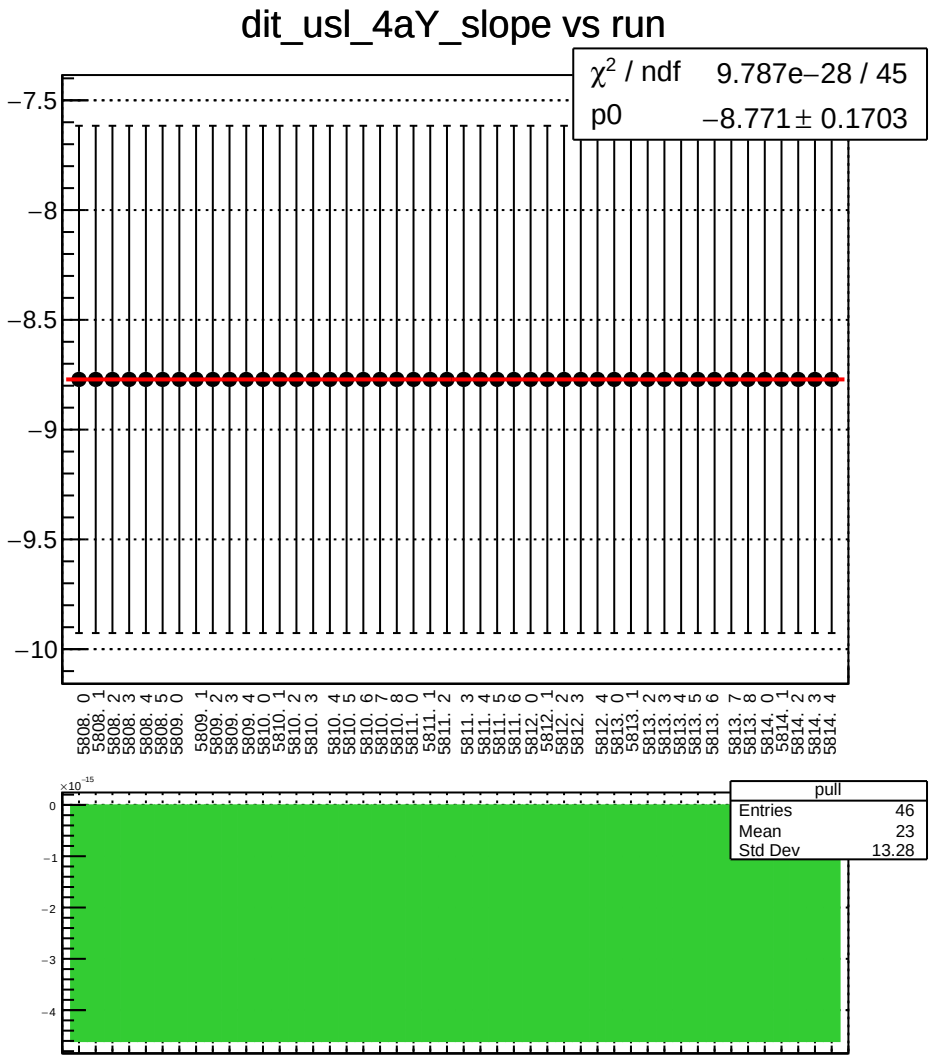
6
8


dit_usl_4aY_slope vs run
χ² / ndf 9.787e−28 / 45
p0 −8.771 ± 0.1703
−7.5
−8
−8.5
−9
−9.5
−10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
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5811. 0
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5811. 2
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5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
5812. 4
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
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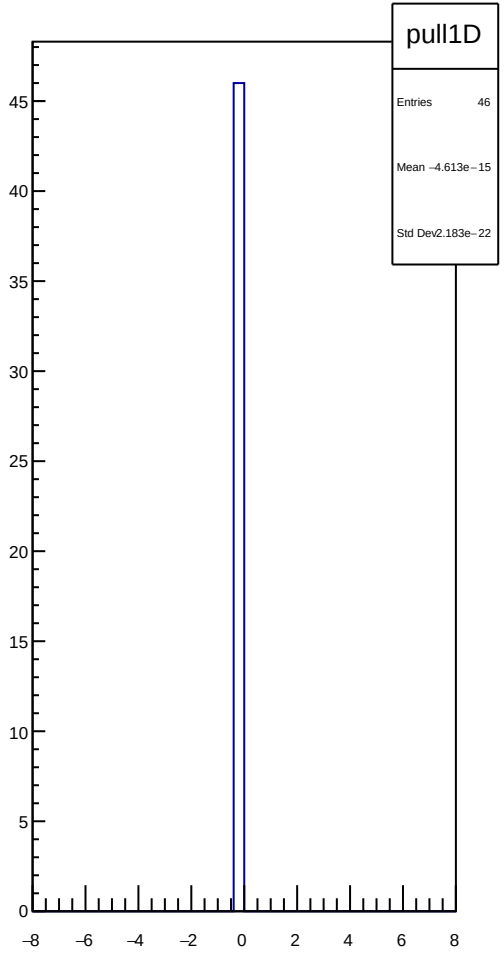
×10⁻�15
0
−1
−2
−3
−4
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean −4.613e−15
Std Dev2.183e−22
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25
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15
10
5
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−4
−2
0
2
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6
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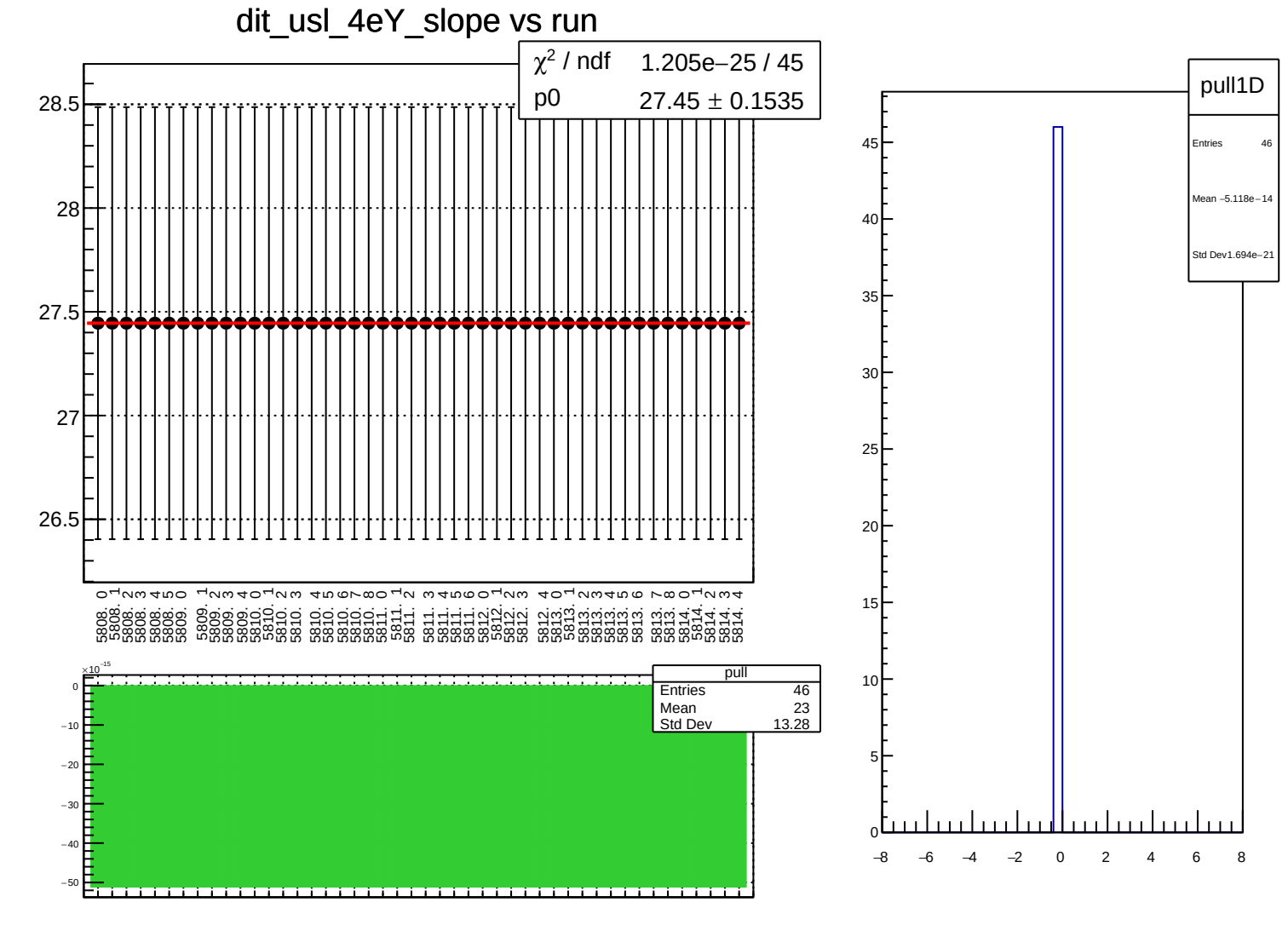
dit_usl_4eY_slope vs run
χ² / ndf 1.205e−25 / 45
p0 27.45 ± 0.1535
28.5
28
27.5
27
26.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
5810. 3
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 1
5812. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −5.118e−14
Std Dev1.694e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
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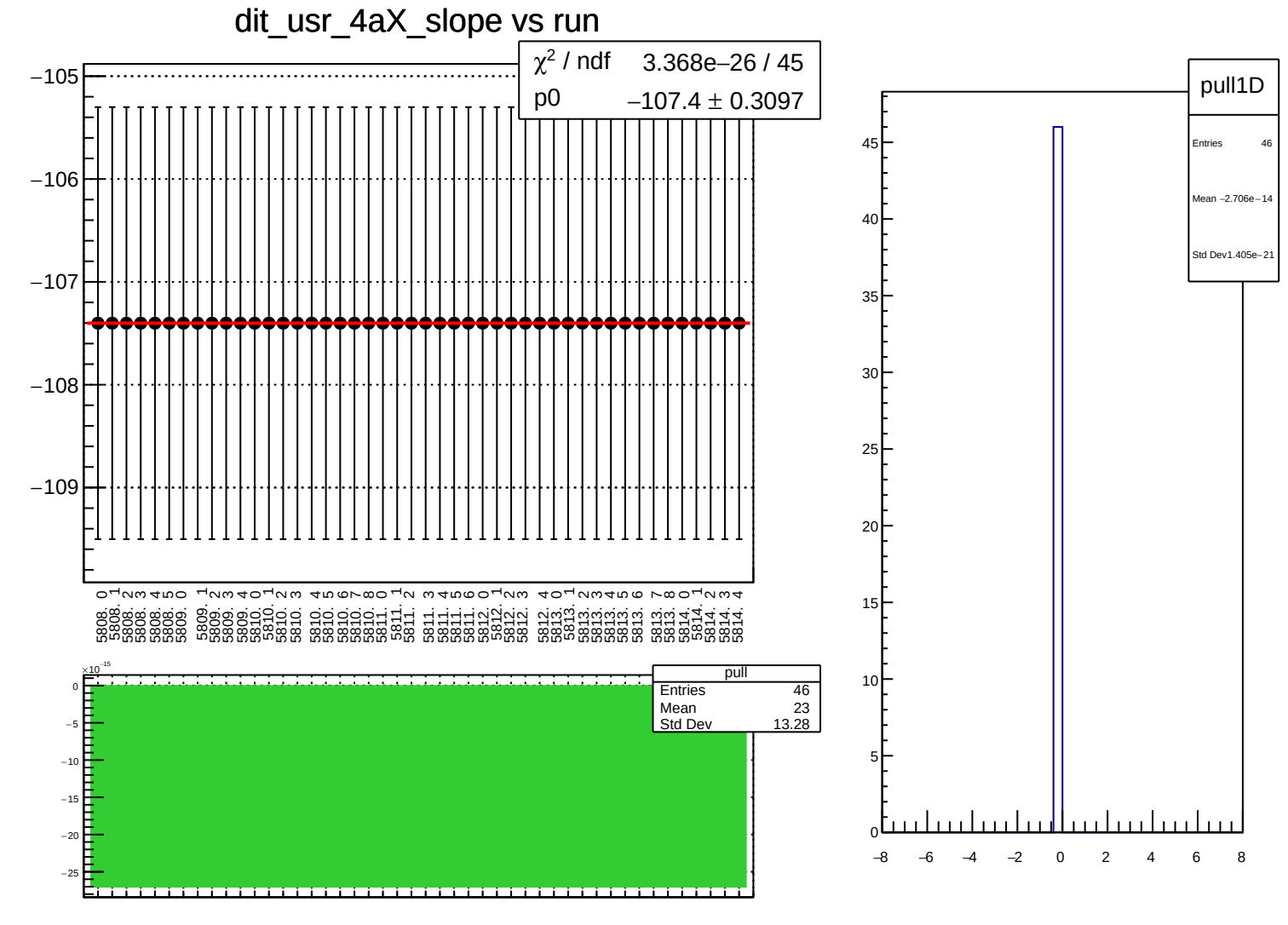
dit_usr_4aX_slope vs run
χ² / ndf 3.368e−26 / 45
p0 −107.4 ± 0.3097
−105
−106
−107
−108
−109
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
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5810. 7
5810. 8
5811. 0
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5811. 5
5811. 6
5812. 0
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5812. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.706e−14
Std Dev1.405e−21
45
40
35
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25
20
15
10
5
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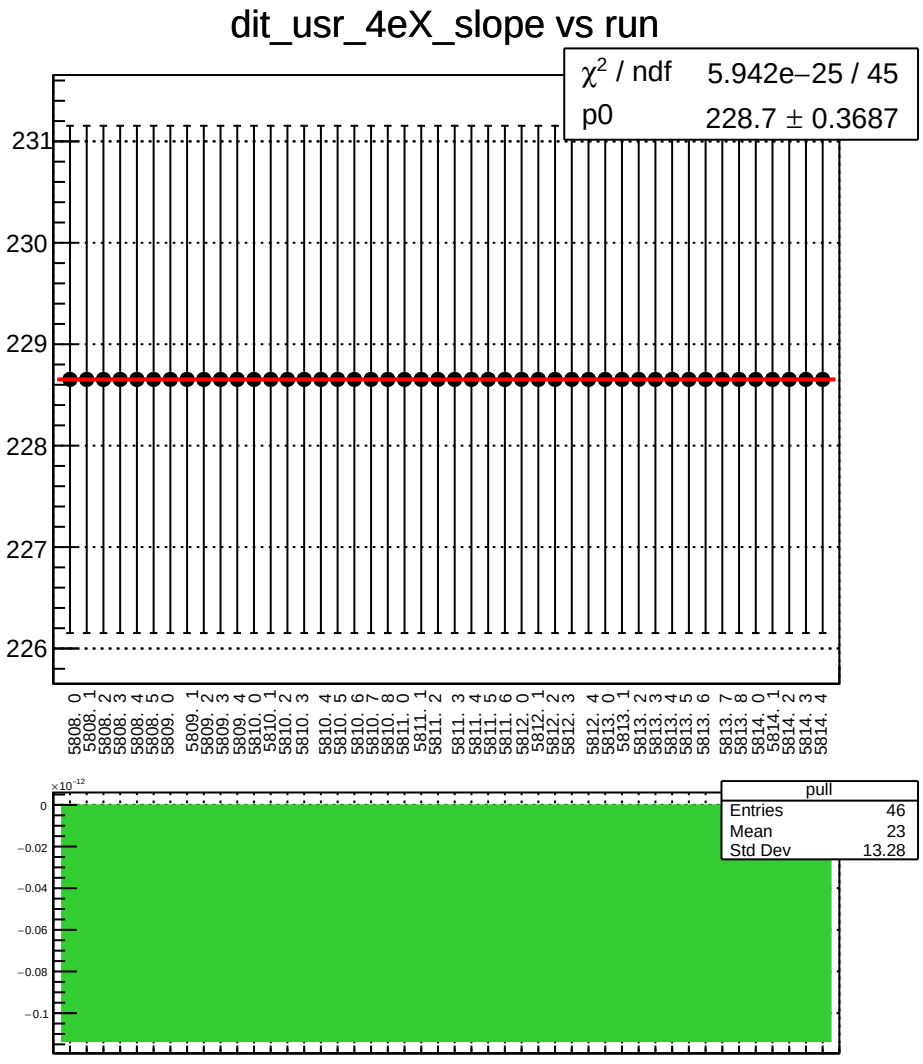
−4
−2
0
2
4
6
8


dit_usr_4eX_slope vs run
χ² / ndf 5.942e−25 / 45
p0 228.7 ± 0.3687
231
230
229
228
227
226
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹²
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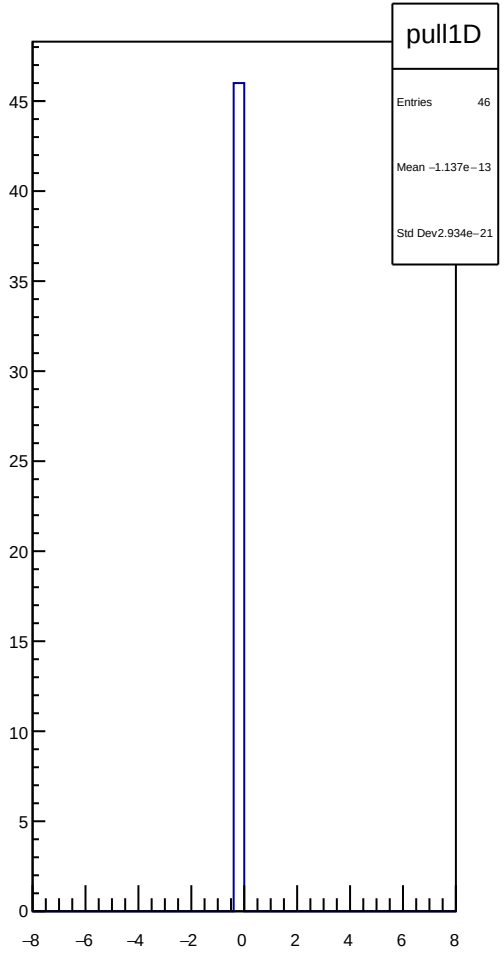
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean −1.137e−13
Std Dev2.934e−21
45
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35
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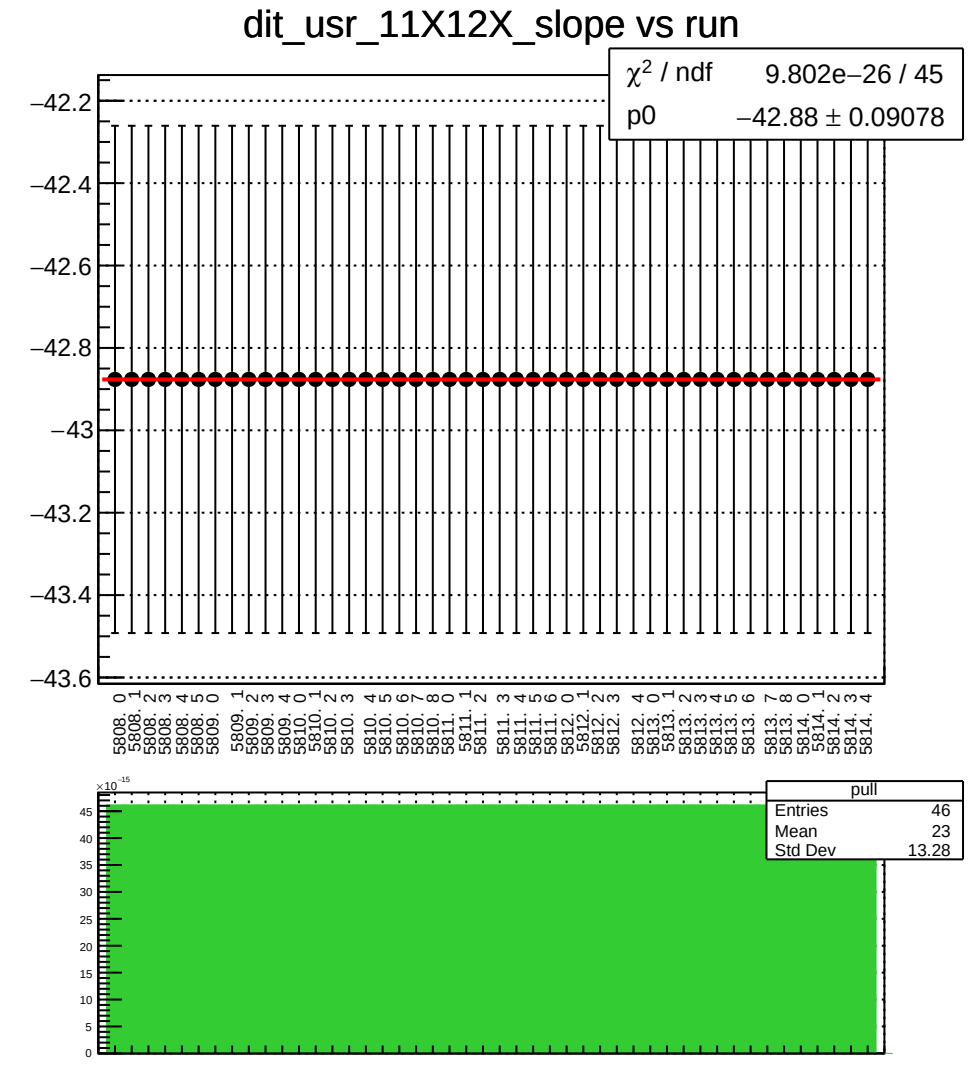
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_11X12X_slope vs run
χ² / ndf 9.802e−26 / 45
p0 −42.88 ± 0.09078
−42.2
−42.4
−42.6
−42.8
−43
−43.2
−43.4
−43.6
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
45
40
35
30
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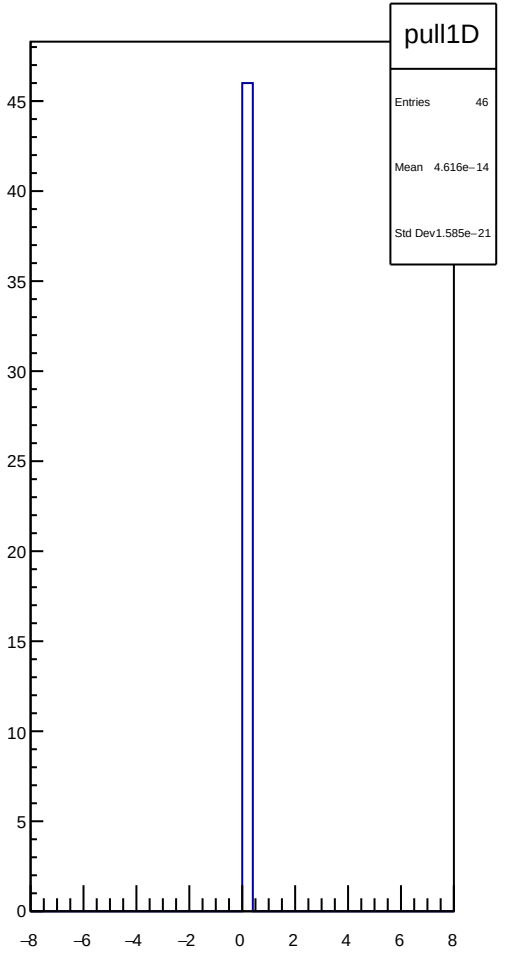
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 4.616e−14
Std Dev1.585e−21
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10
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−4
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2
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6
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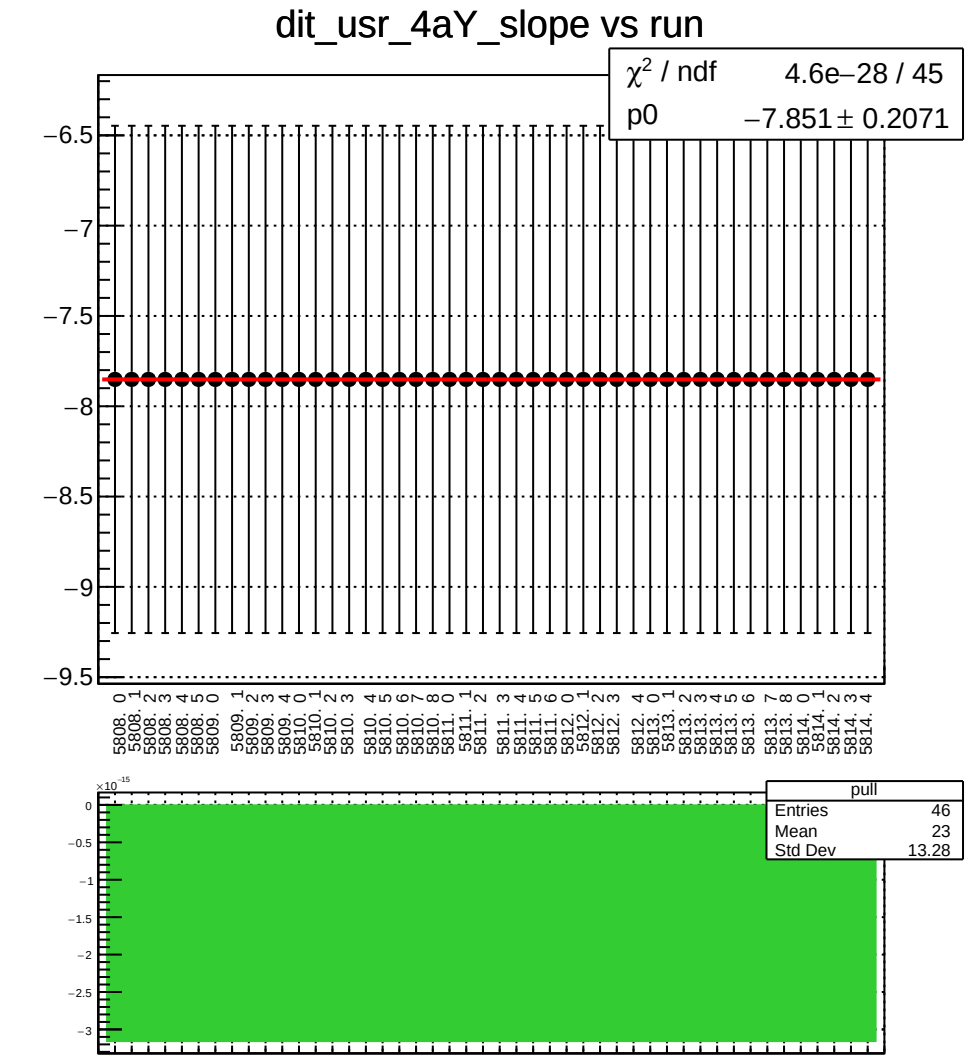
dit_usr_4aY_slope vs run
χ² / ndf 4.6e−28 / 45
p0 −7.851 ± 0.2071
−6.5
−7
−7.5
−8
−8.5
−9
−9.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 2
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5809. 4
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5810. 1
5810. 2
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5810. 5
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5810. 8
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −3.162e−15
Std Dev1.123e−22
45
40
35
30
25
20
15
10
5
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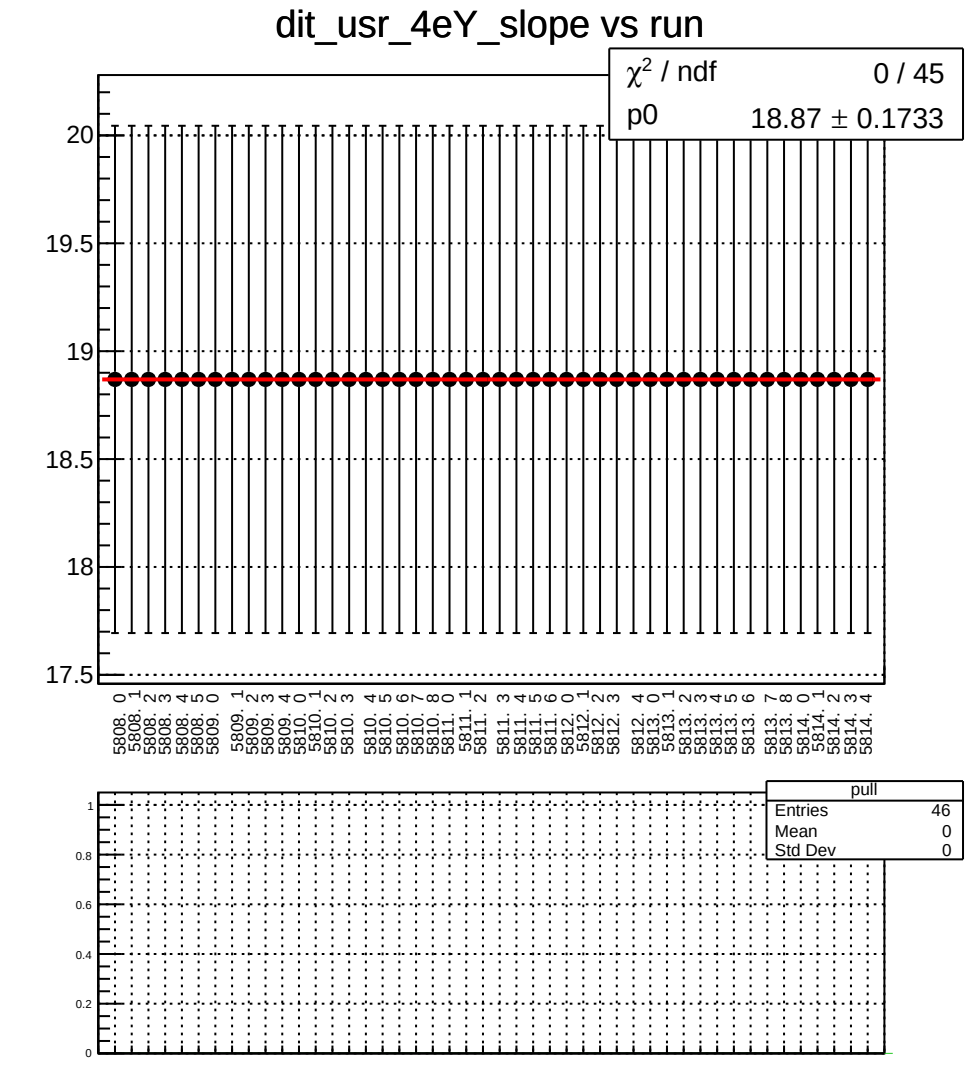
6
8


dit_usr_4eY_slope vs run
χ^2 / ndf 0 / 45
p0 18.87 ± 0.1733
20
19.5
19
18.5
18
17.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 6
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5812. 1
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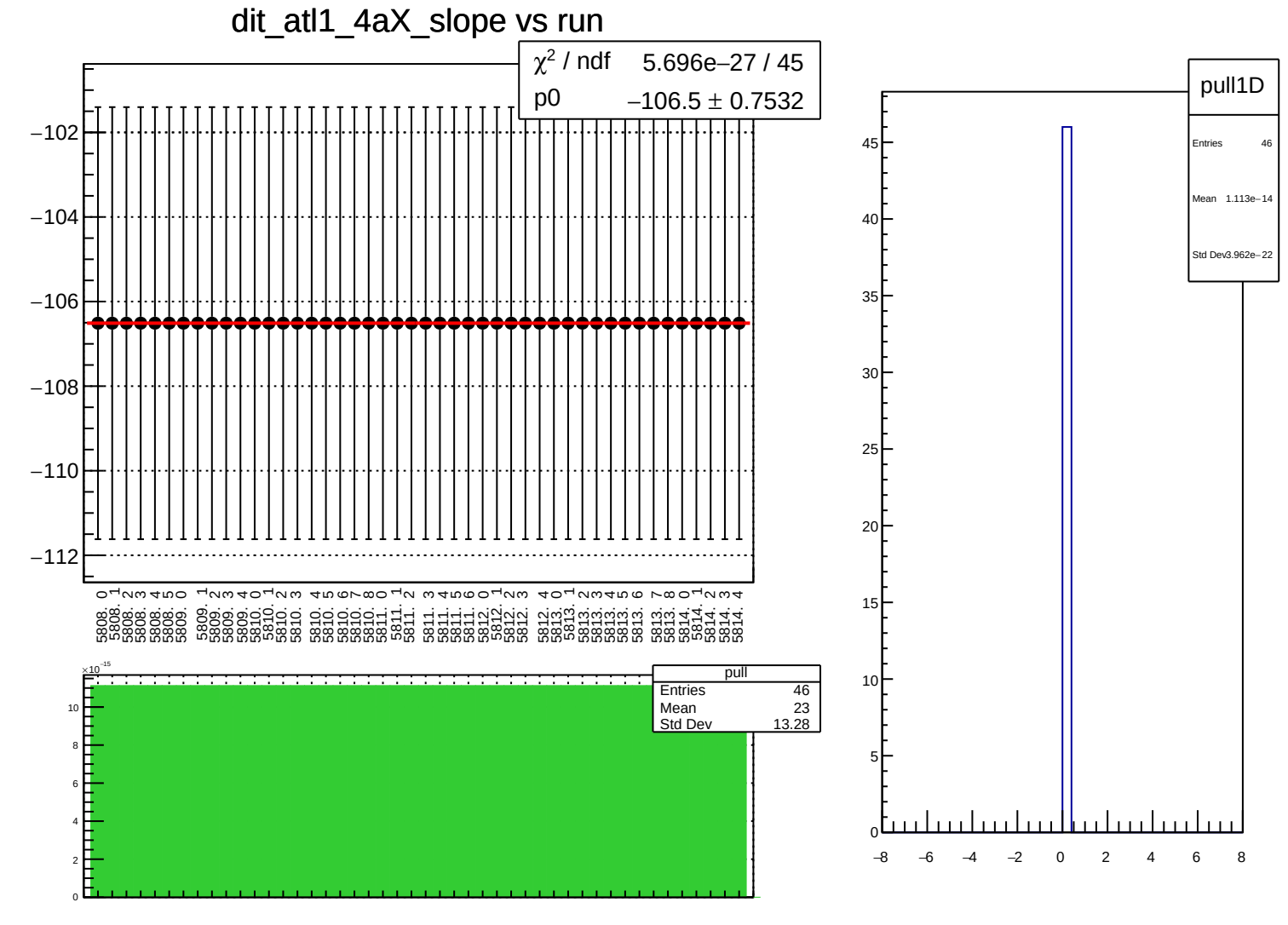
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 46
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8


dit_atl1_4aX_slope vs run
χ² / ndf 5.696e−27 / 45
p0 −106.5 ± 0.7532
−102
−104
−106
−108
−110
−112
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
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5809. 4
5810. 0
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5810. 8
5811. 0
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5811. 4
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5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.113e−14
Std Dev 3.962e−22
45
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25
20
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−4
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2
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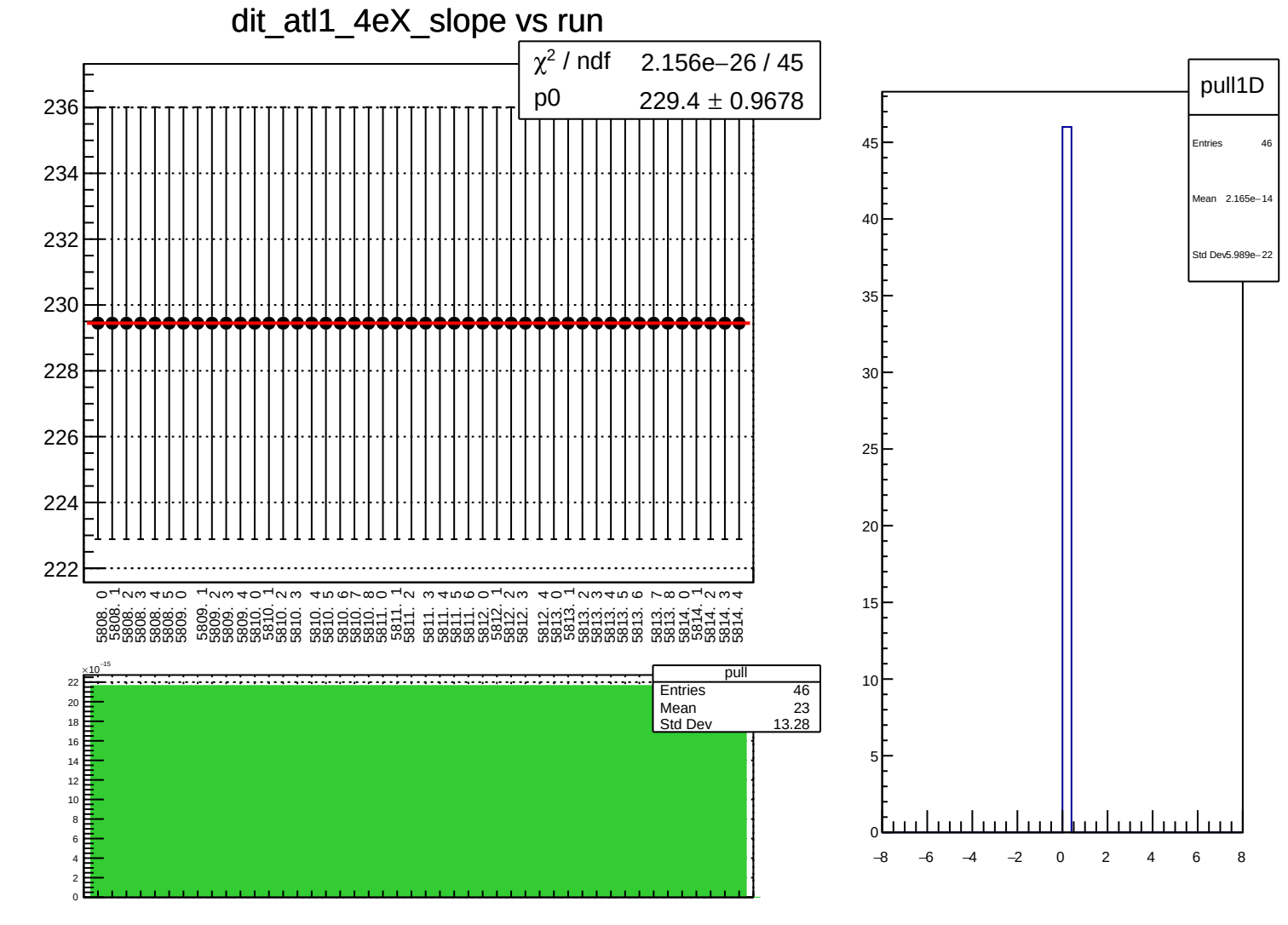
6
8


dit_atl1_4eX_slope vs run
χ² / ndf 2.156e−26 / 45
p0 229.4 ± 0.9678
236
234
232
230
228
226
224
222
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 6
5812. 0
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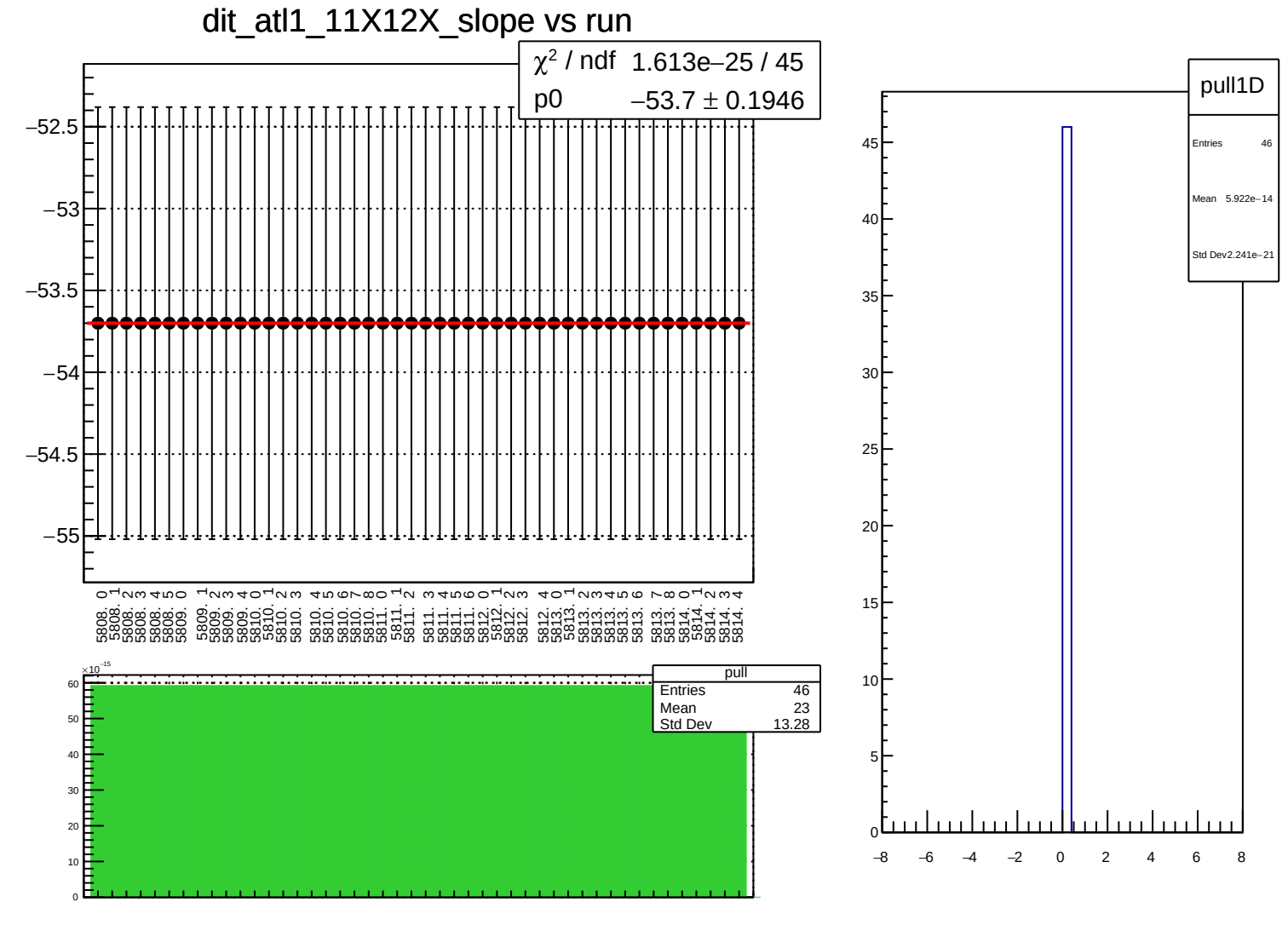
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 2.165e−14
Std Dev 5.989e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_11X12X_slope vs run
χ² / ndf 1.613e−25 / 45
p0 −53.7 ± 0.1946
−52.5
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−53.5
−54
−54.5
−55
5808. 0
5808. 1
5808. 2
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5810. 0
5810. 1
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5811. 0
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5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 23
Std Dev 13.28
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 46
Mean 5.922e−14
Std Dev2.241e−21
45
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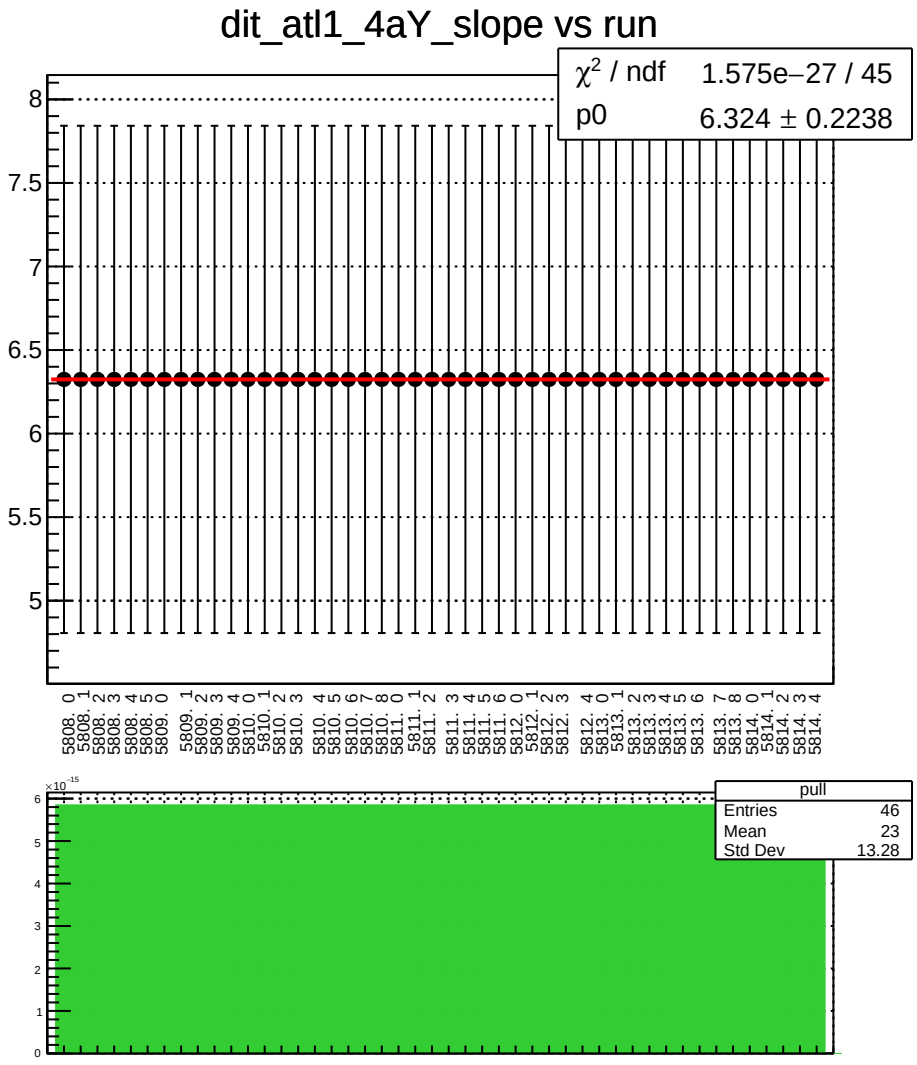
6
8


dit_atl1_4aY_slope vs run
χ² / ndf 1.575e−27 / 45
p0 6.324 ± 0.2238
8
7.5
7
6.5
6
5.5
5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
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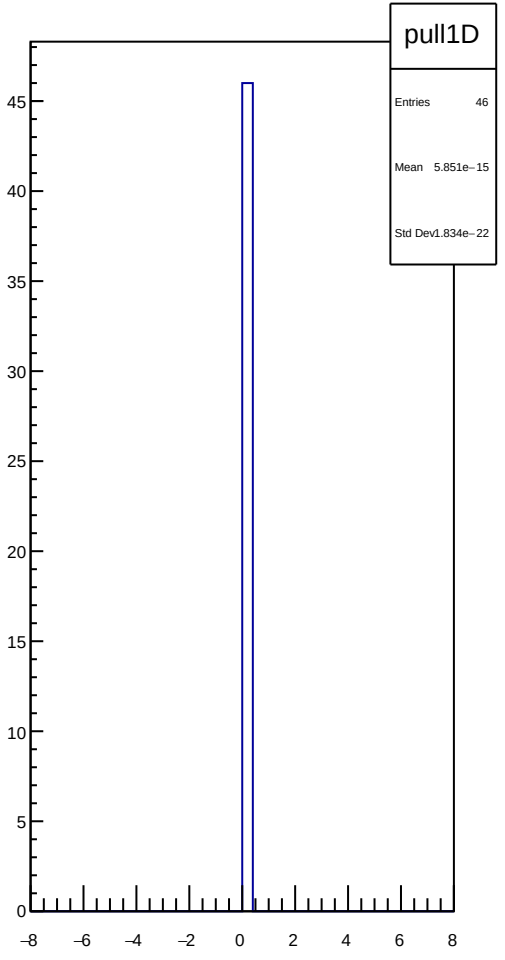
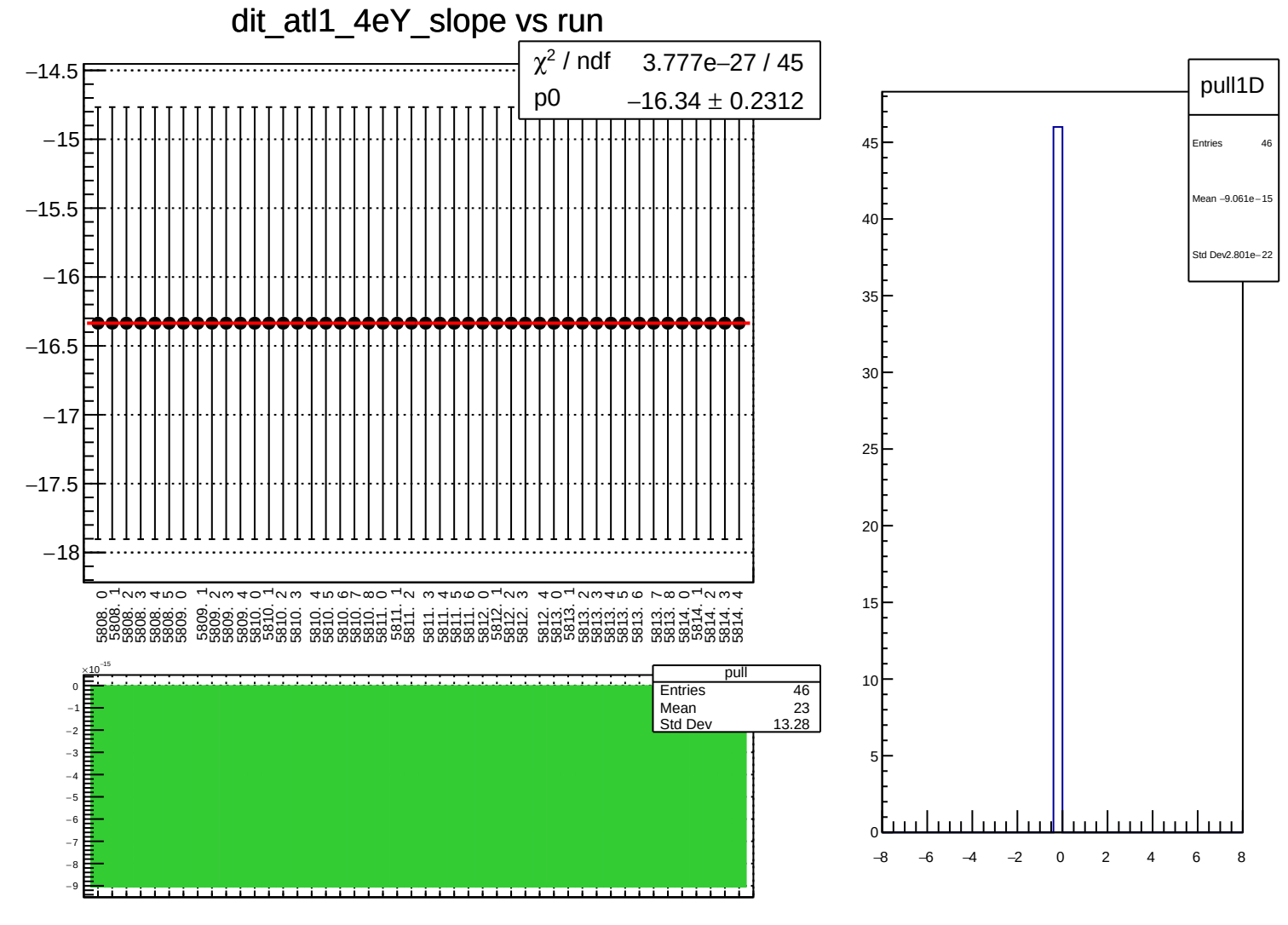
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
6
5
4
3
2
1
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 5.851e−15
Std Dev1.834e−22
45
40
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 3.777e−27 / 45
p0 −16.34 ± 0.2312
−14.5
−15
−15.5
−16
−16.5
−17
−17.5
−18
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −9.061e−15
Std Dev 2.801e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
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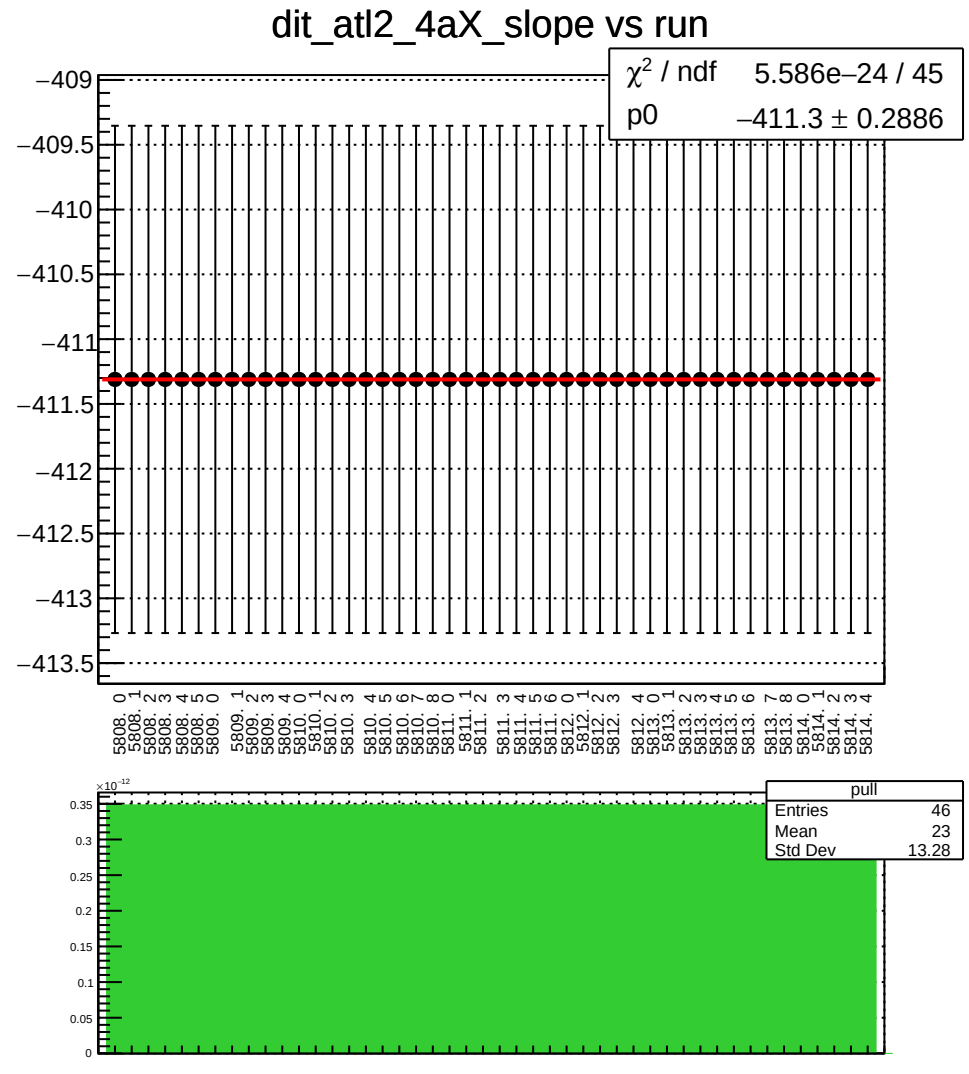
6
8


dit_atl2_4aX_slope vs run
χ² / ndf 5.586e−24 / 45
p0 −411.3 ± 0.2886
−409
−409.5
−410
−410.5
−411
−411.5
−412
−412.5
−413
−413.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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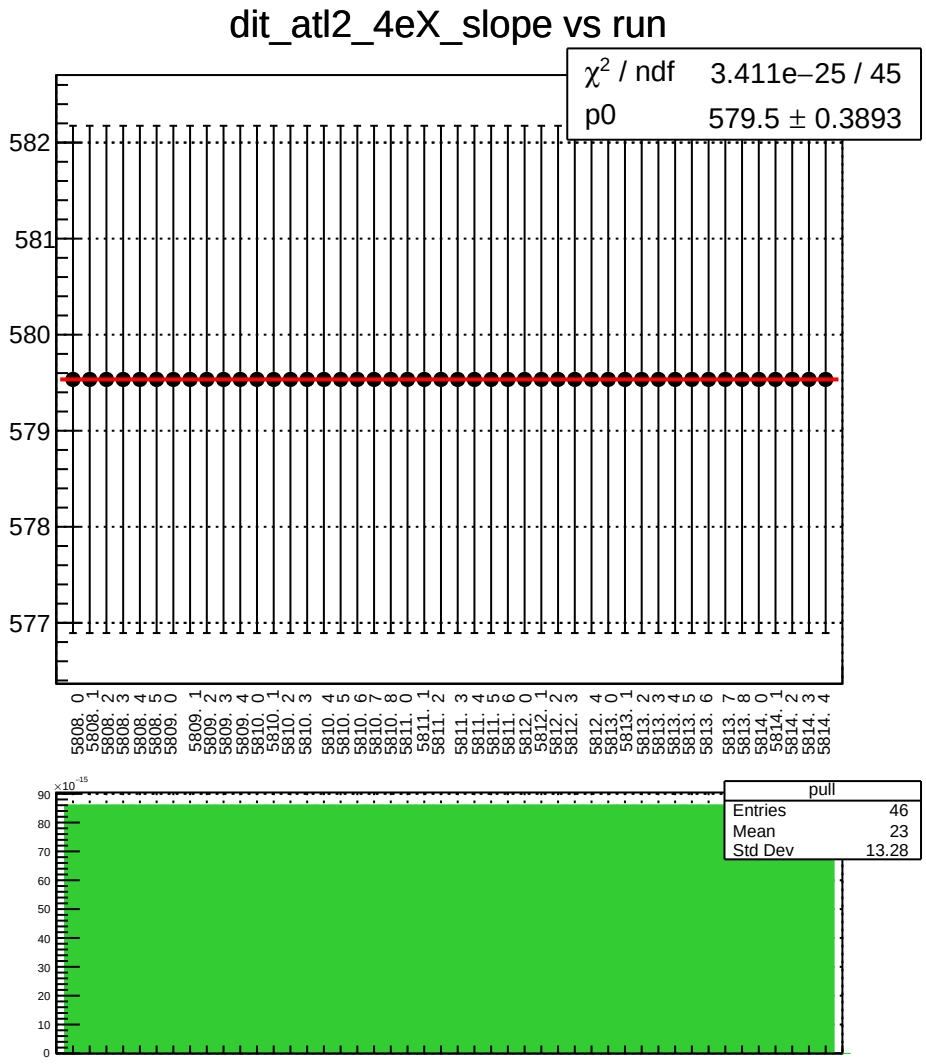
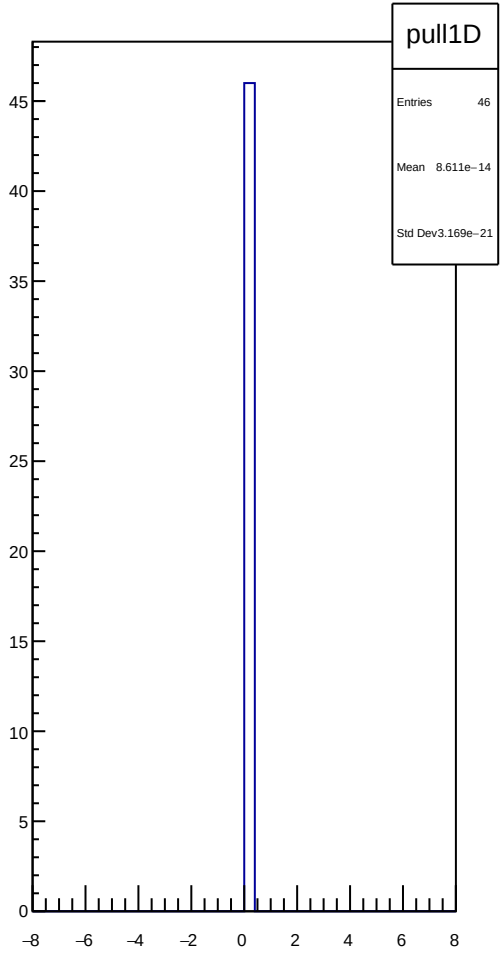
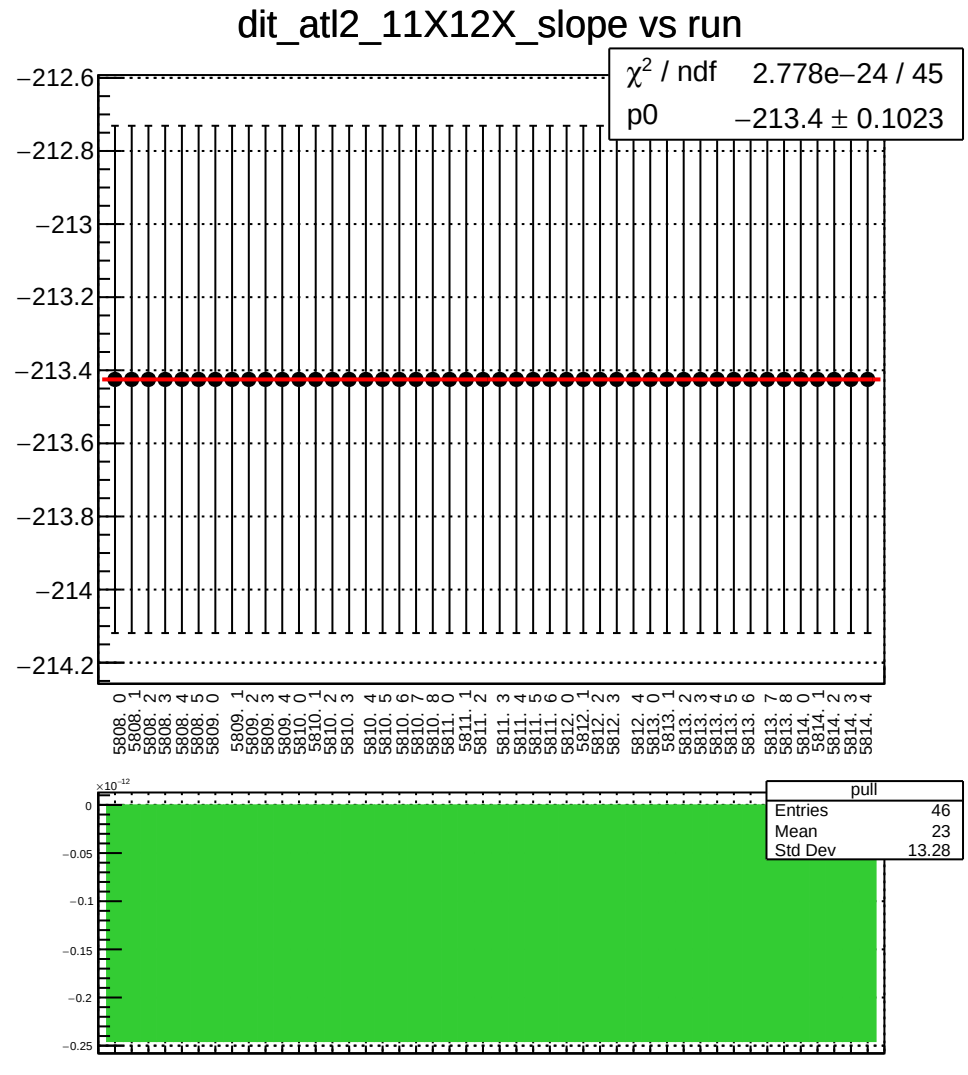
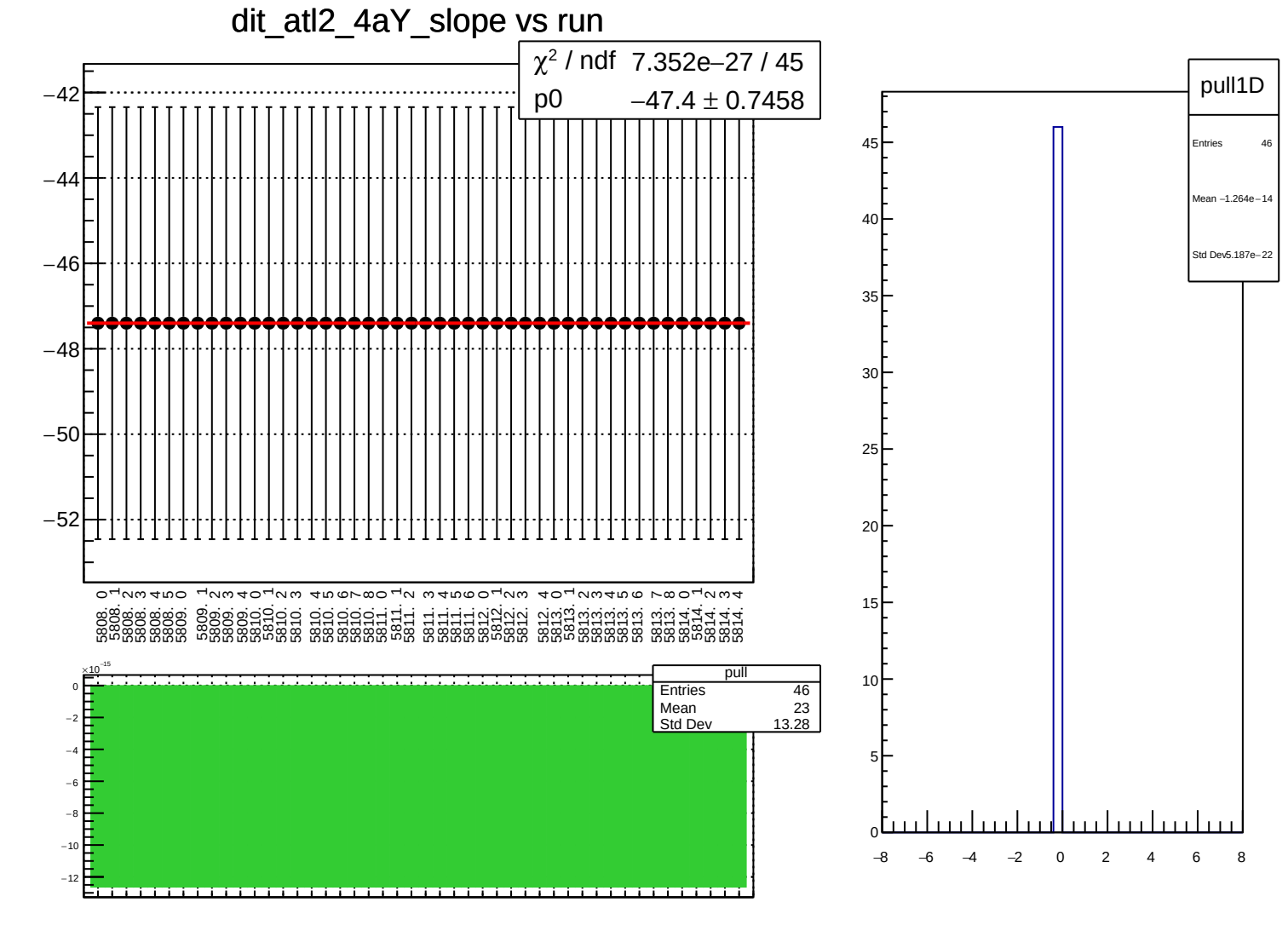
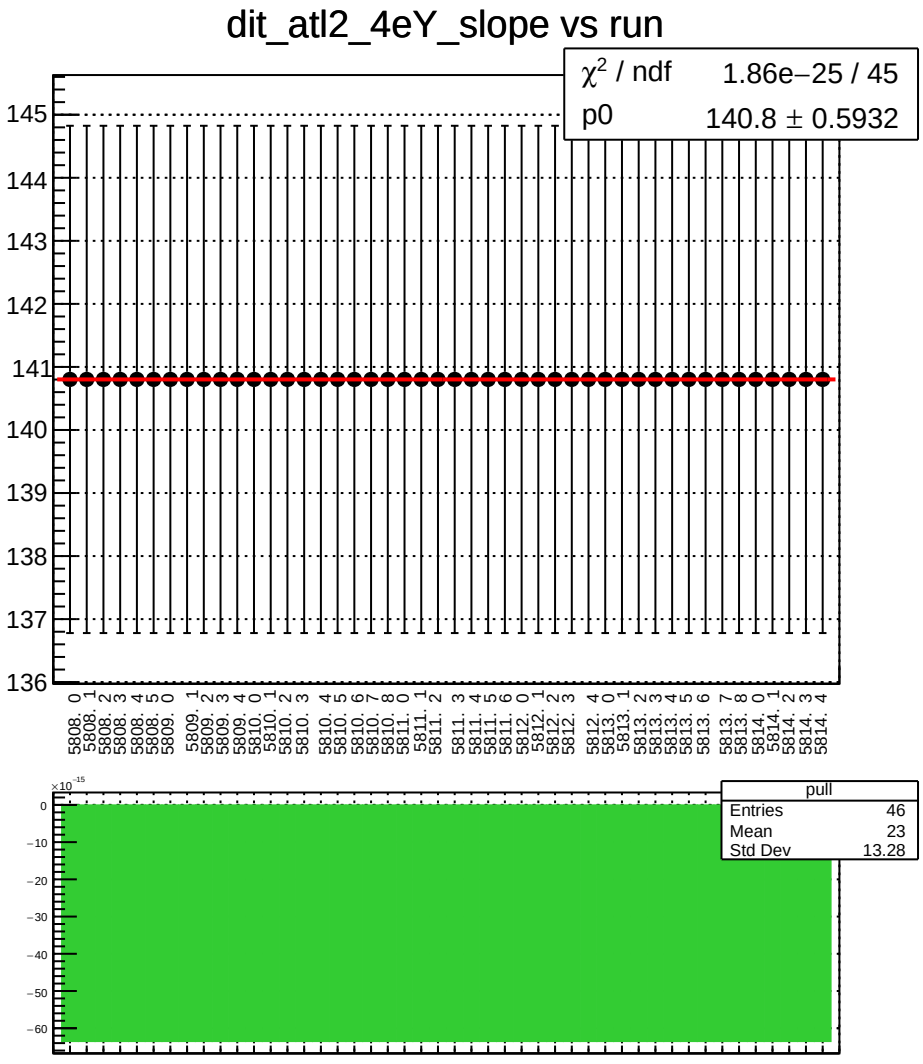
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 3.485e−13
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

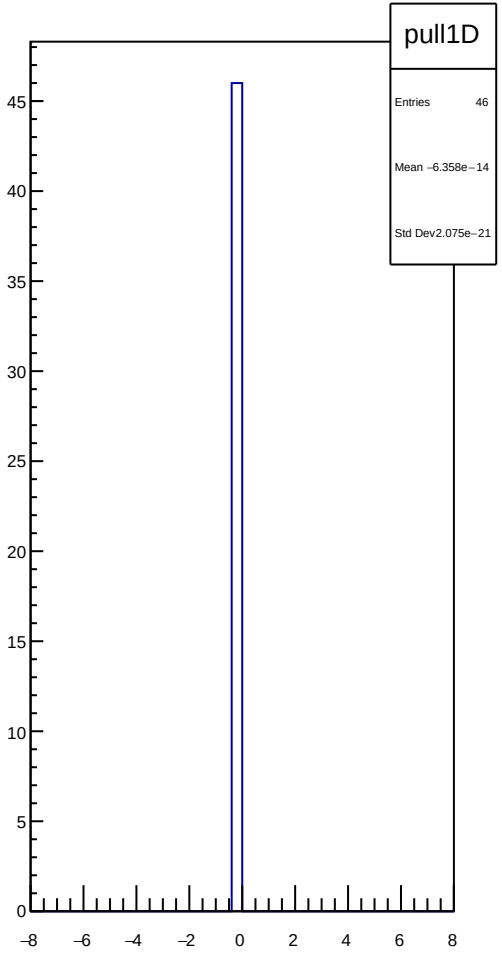

dit_atl2_4eX_slope vs run
χ² / ndf 3.411e−25 / 45
p0 579.5 ± 0.3893
582
581
580
579
578
577
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 8.611e−14
Std Dev3.169e−21
45
40
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 2.778e−24 / 45
p0 −213.4 ± 0.1023
−212.6
−212.8
−213
−213.2
−213.4
−213.6
−213.8
−214
−214.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.457e−13
Std Dev9.583e−21
45
40
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 7.352e−27 / 45
p0 −47.4 ± 0.7458
−42
−44
−46
−48
−50
−52
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.264e−14
Std Dev5.187e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4eY_slope vs run
χ² / ndf 1.86e−25 / 45
p0 140.8 ± 0.5932
145
144
143
142
141
140
139
138
137
136
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean −6.358e−14
Std Dev2.075e−21
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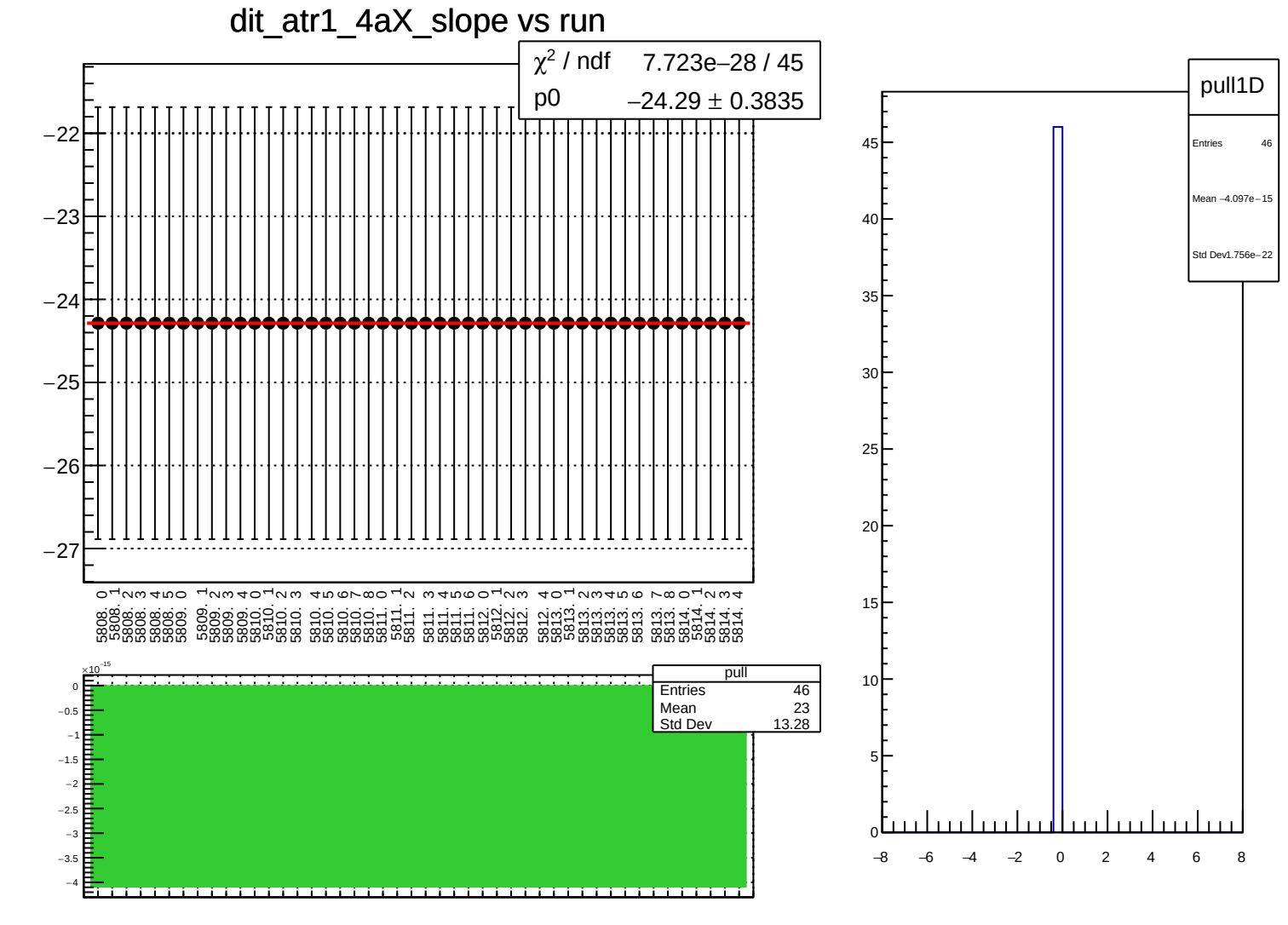
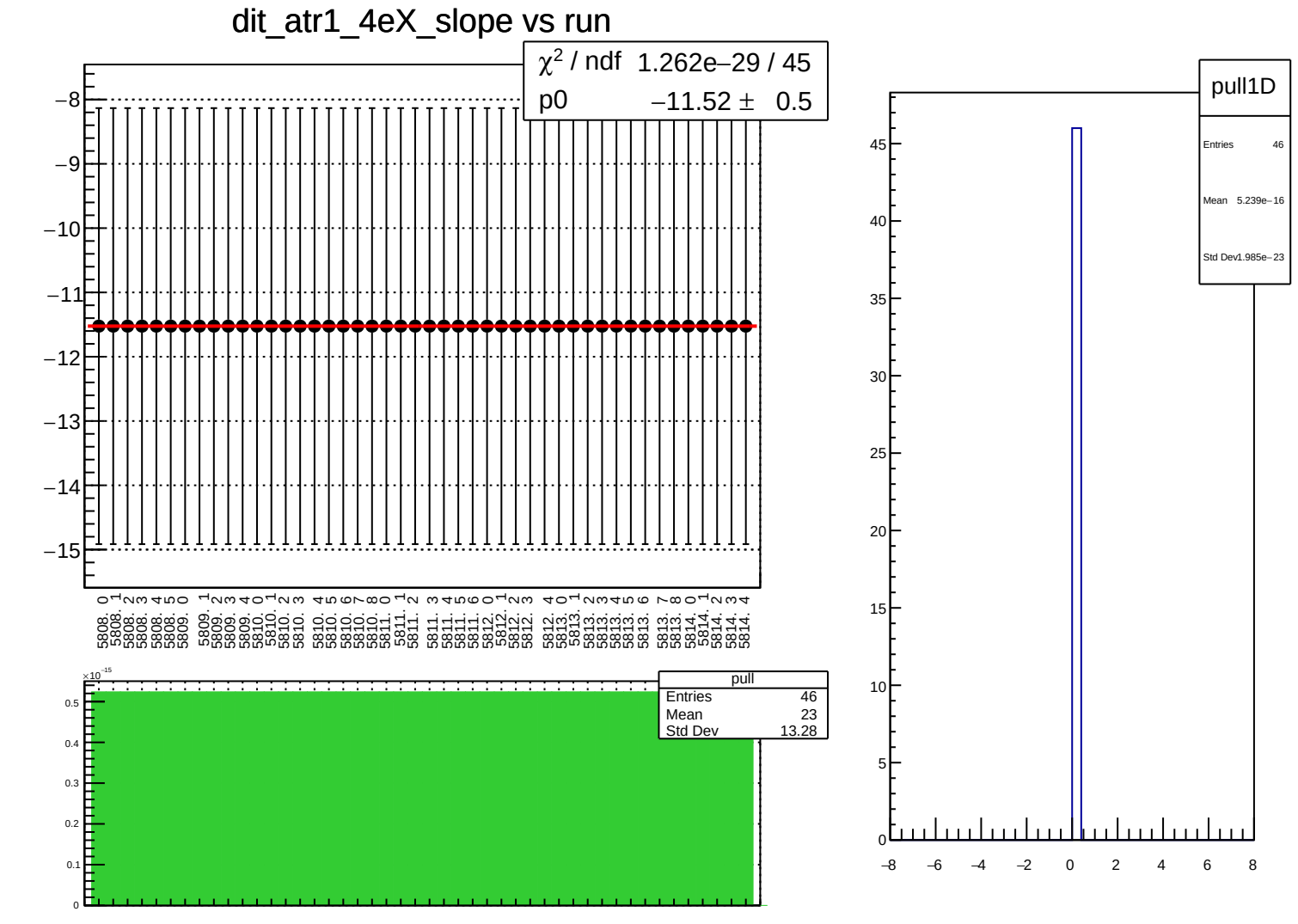
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_4aX_slope vs run
χ² / ndf 7.723e−28 / 45
p0 −24.29 ± 0.3835
−22
−23
−24
−25
−26
−27
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −4.097e−15
Std Dev1.756e−22
45
40
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 1.262e−29 / 45
p0 −11.52 ± 0.5
−8
−9
−10
−11
−12
−13
−14
−15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 6
5812. 0
5812. 1
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5813. 1
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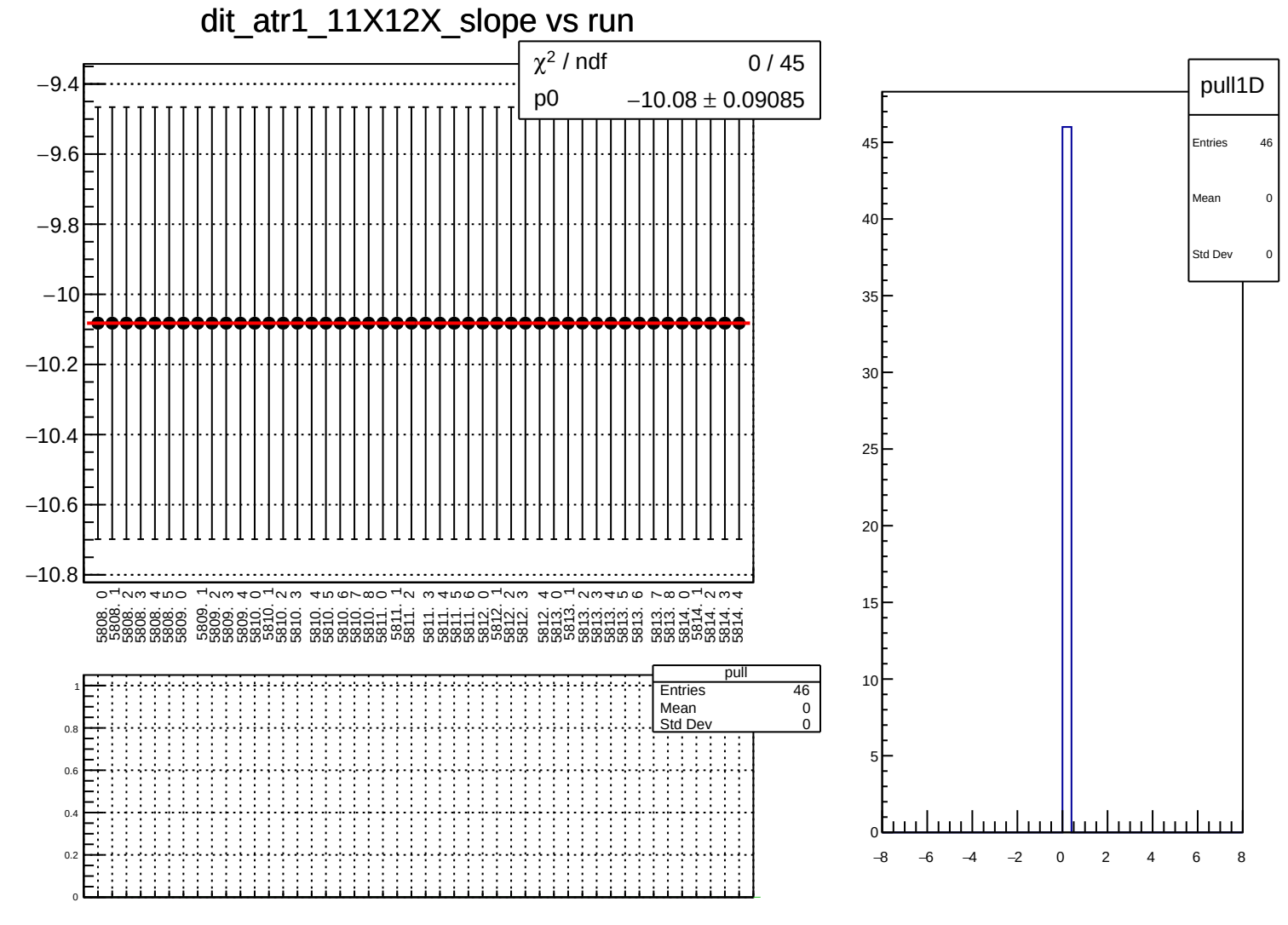
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 5.239e−16
Std Dev1.985e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_11X12X_slope vs run
χ^2 / ndf 0 / 45
p0 −10.08 ± 0.09085
−9.4
−9.6
−9.8
−10
−10.2
−10.4
−10.6
−10.8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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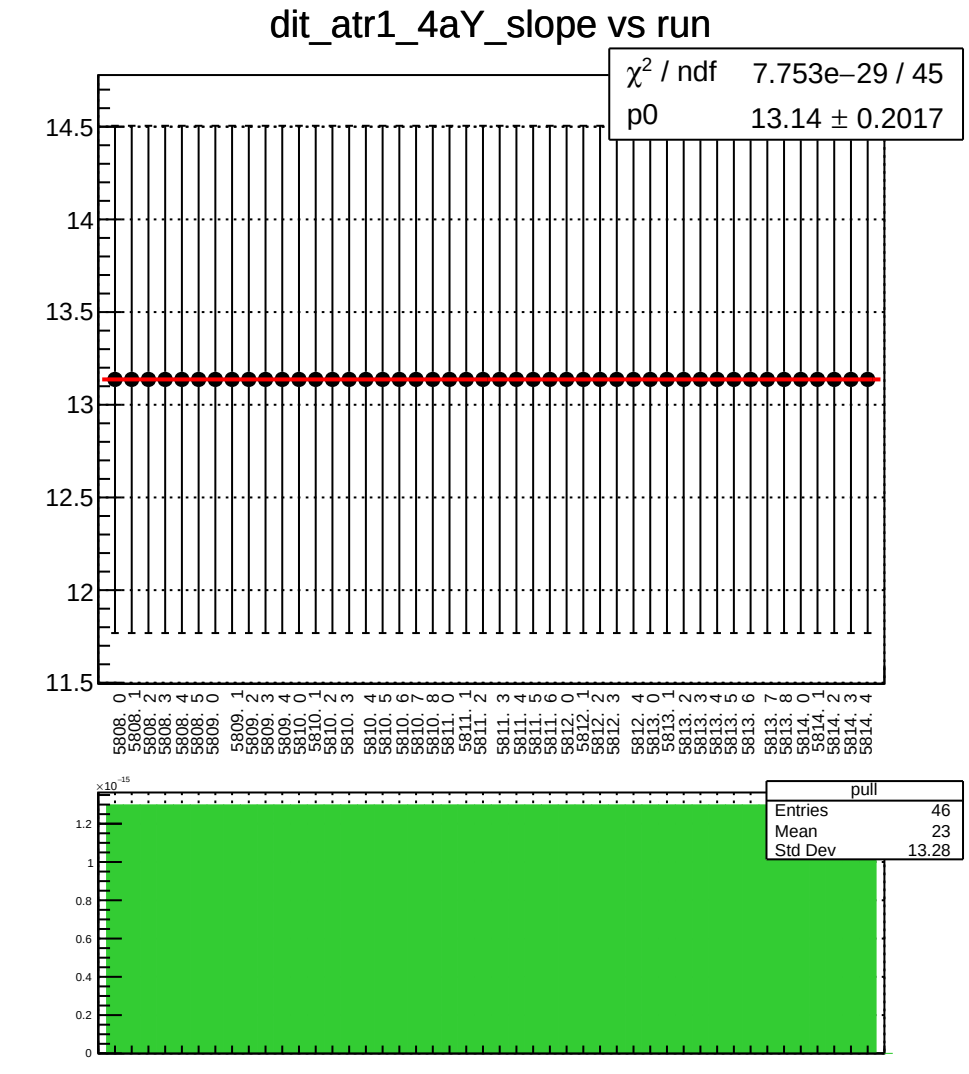
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 46
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_4aY_slope vs run
χ² / ndf 7.753e−29 / 45
p0 13.14 ± 0.2017
14.5
14
13.5
13
12.5
12
11.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
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5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.298e−15
Std Dev 3.242e−23
45
40
35
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25
20
15
10
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−6
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−2
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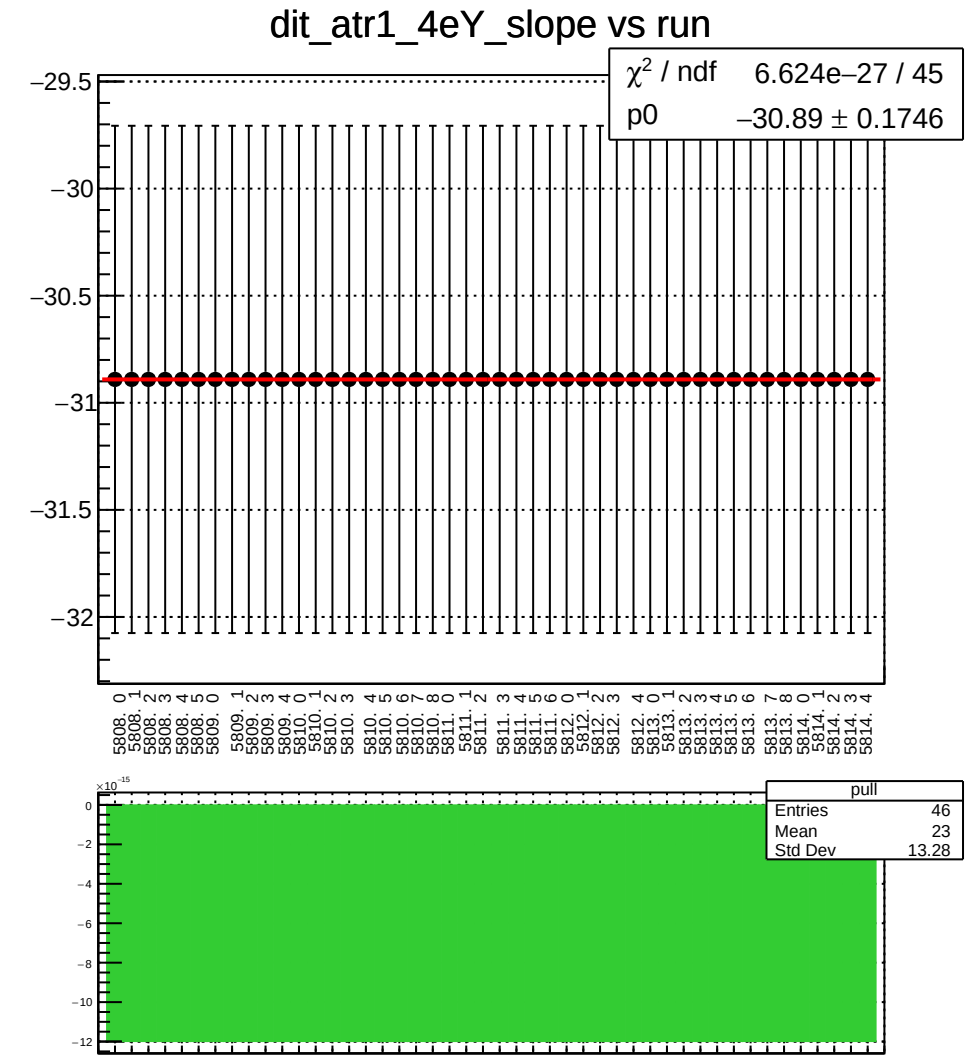
2
4
6
8


dit_atr1_4eY_slope vs run
χ² / ndf 6.624e−27 / 45
p0 −30.89 ± 0.1746
−29.5
−30
−30.5
−31
−31.5
−32
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻±⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.2e−14
Std Dev 4.235e−22
45
40
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25
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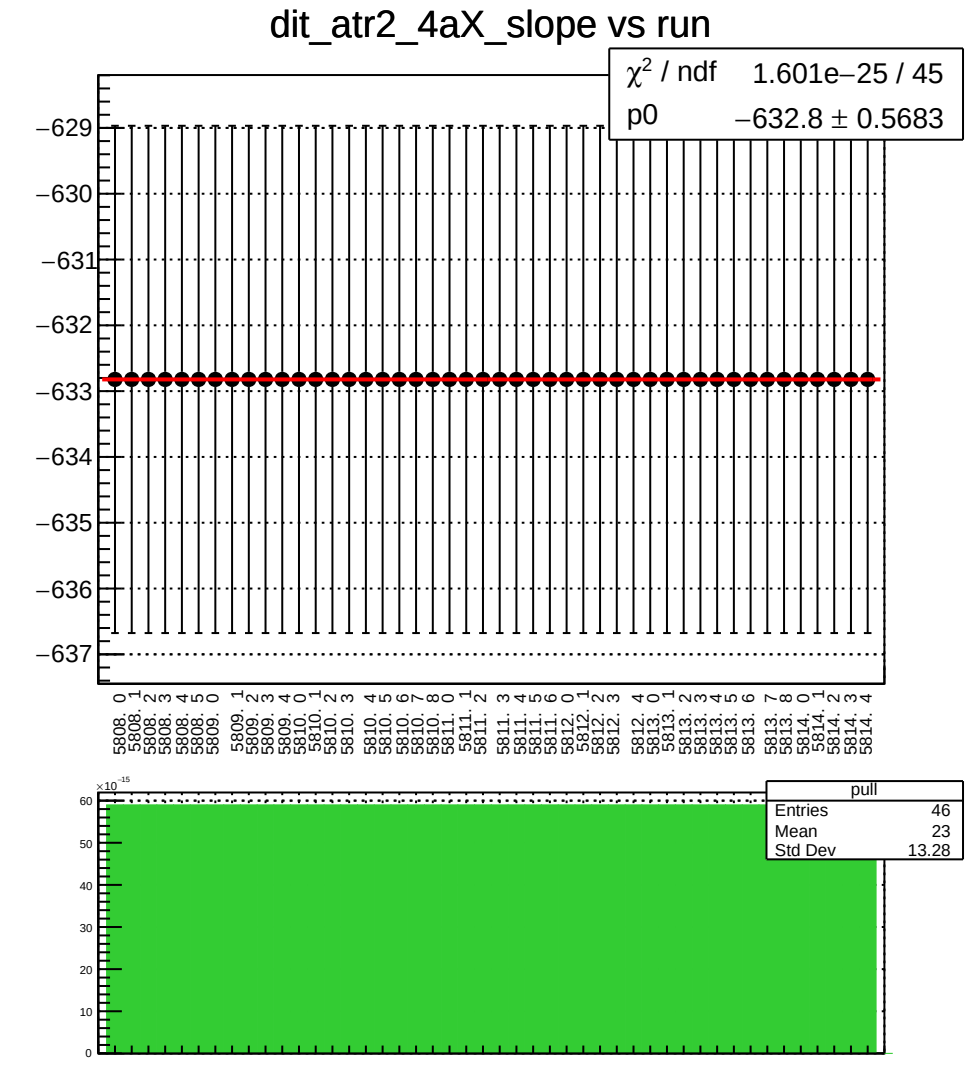
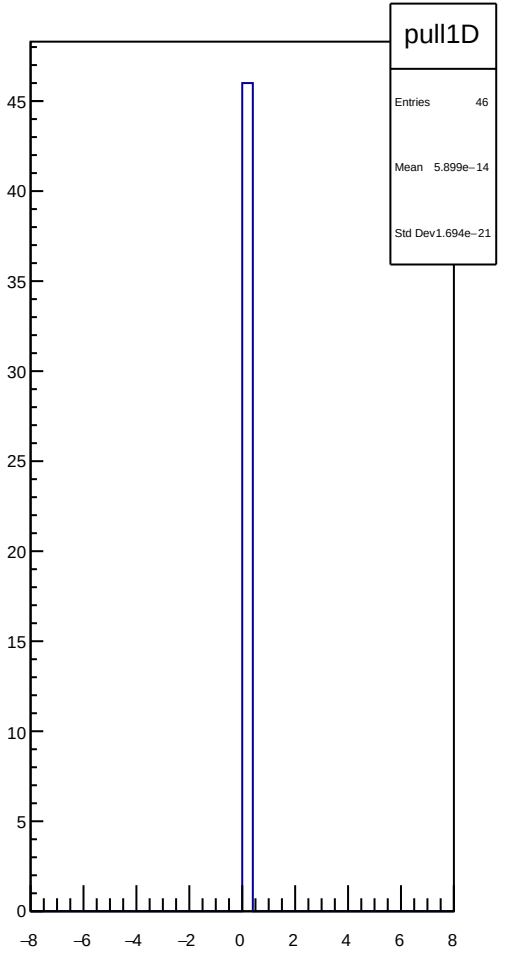
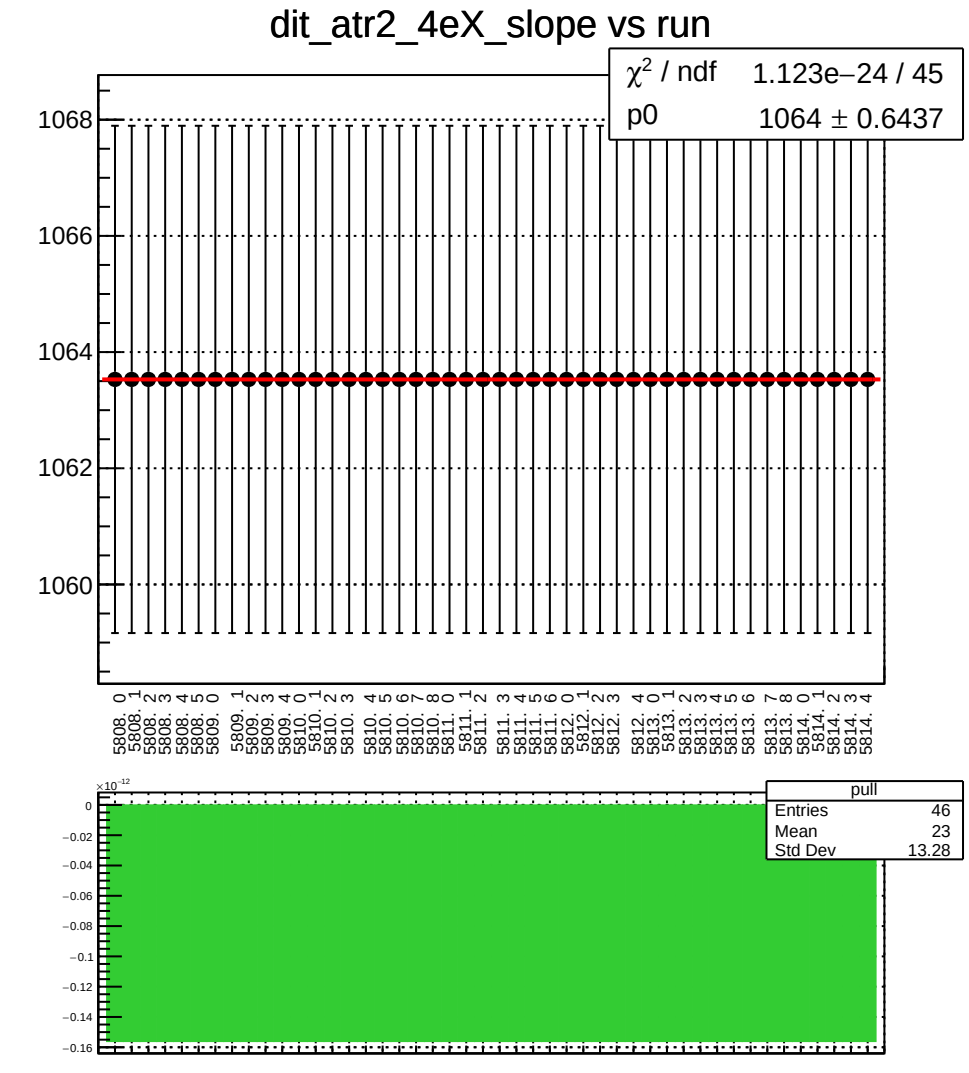
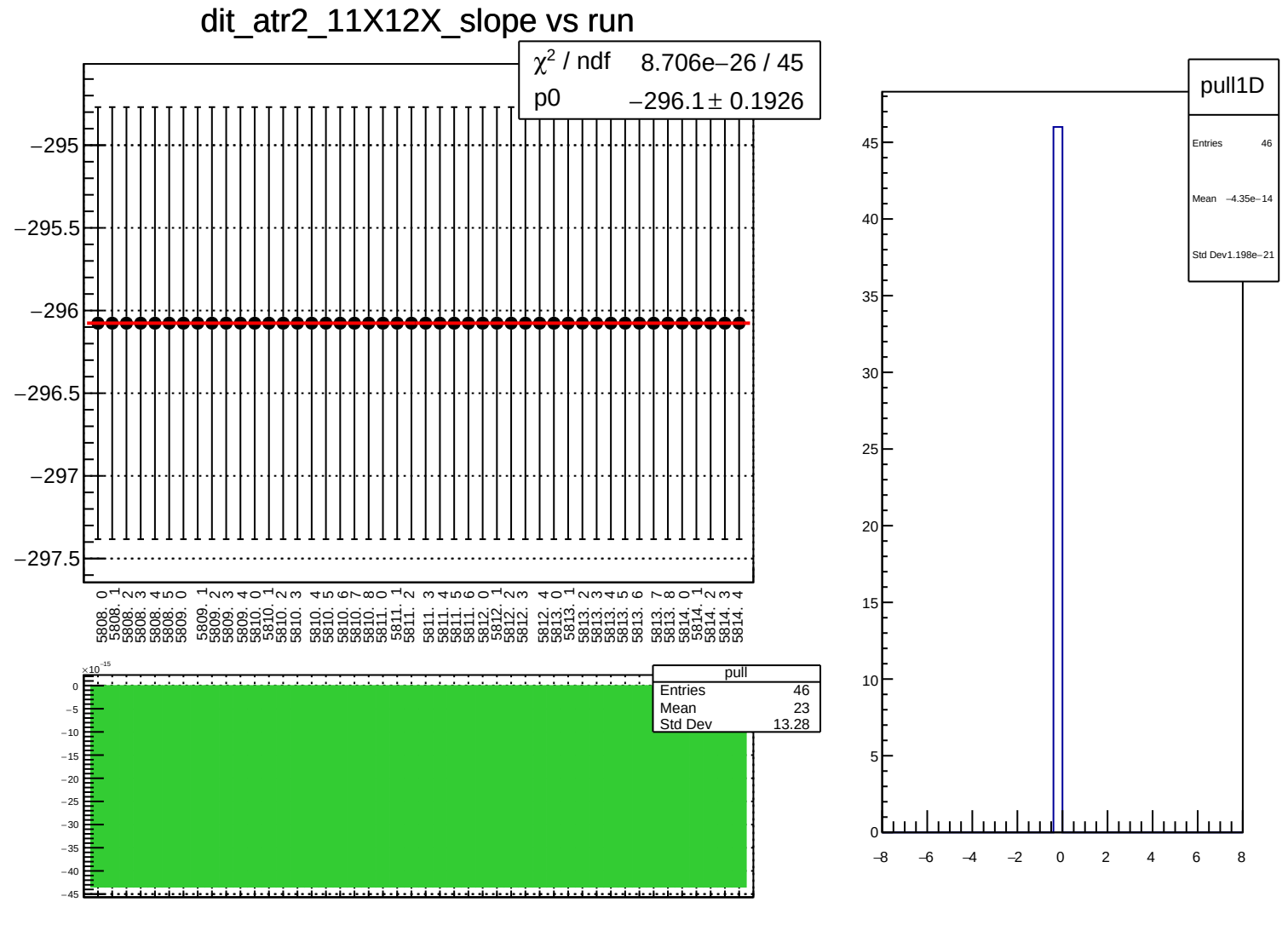
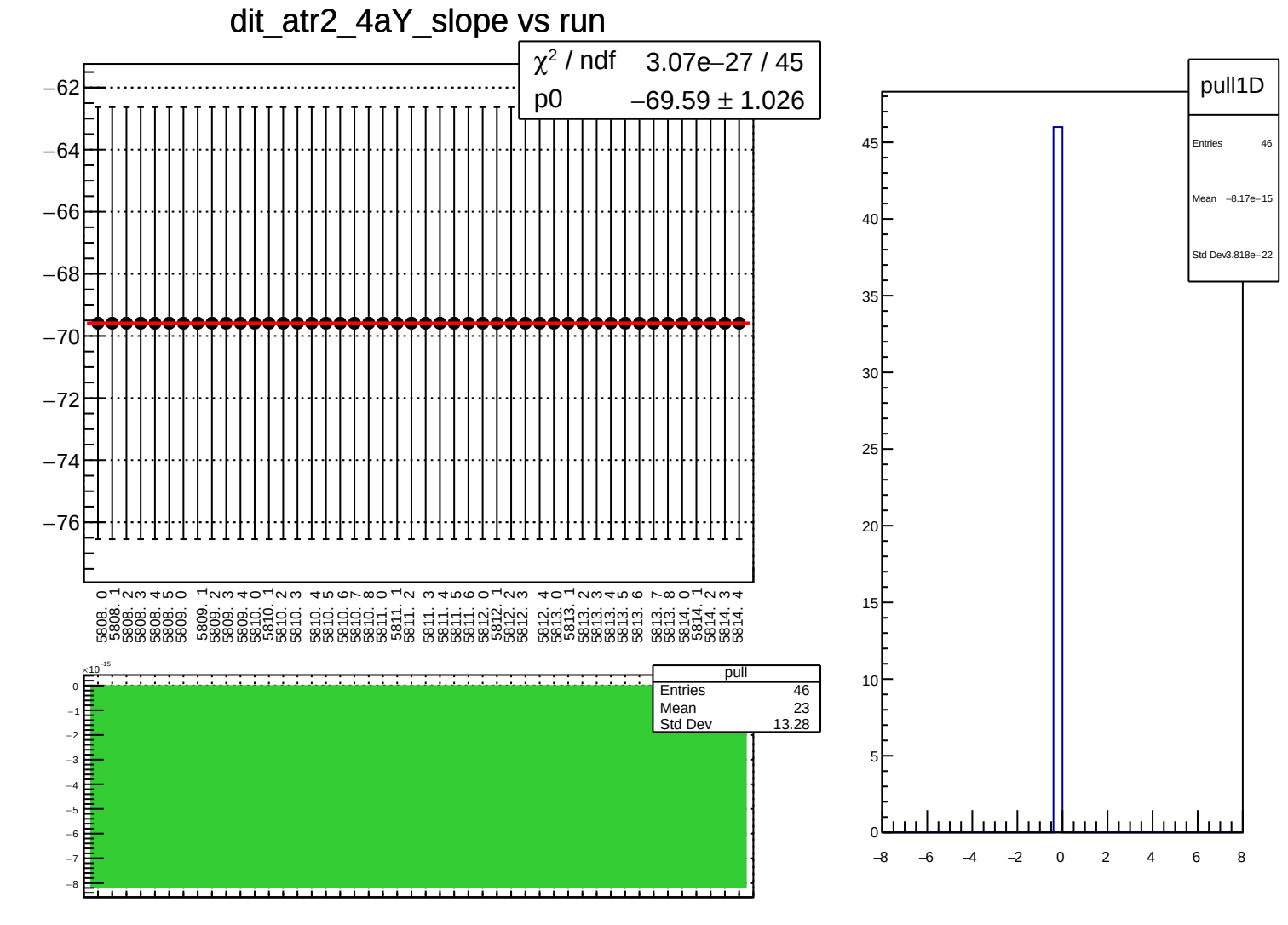
2
4
6
8

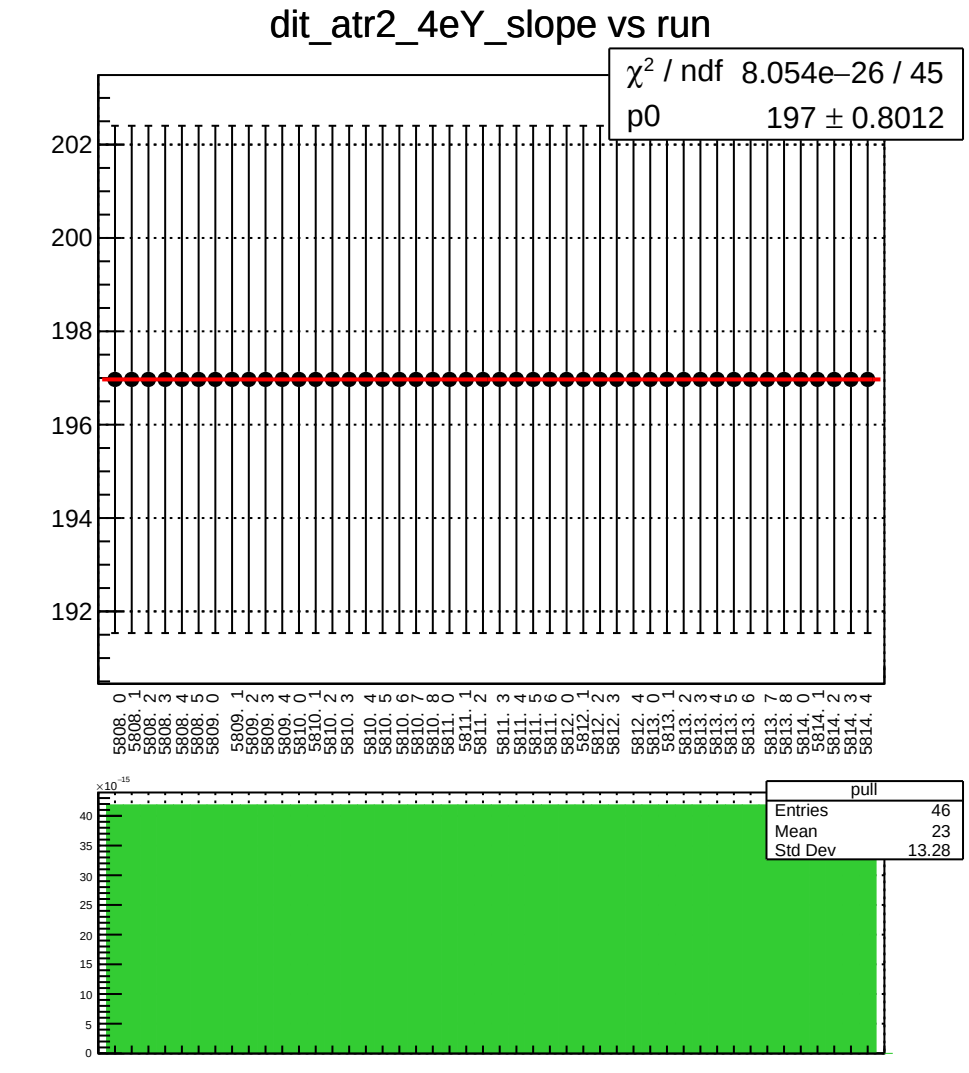

dit_atr2_4aX_slope vs run
χ² / ndf 1.601e−25 / 45
p0 −632.8 ± 0.5683
−629
−630
−631
−632
−633
−634
−635
−636
−637
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 23
Std Dev 13.28
×10⁻¹⁵
60
50
40
30
20
10
0

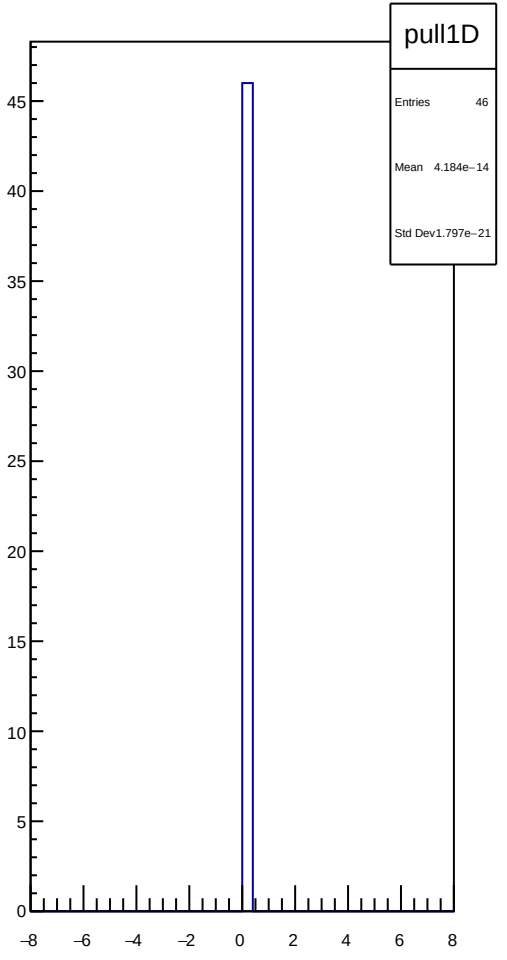

pull1D
Entries 46
Mean 5.899e−14
Std Dev1.694e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

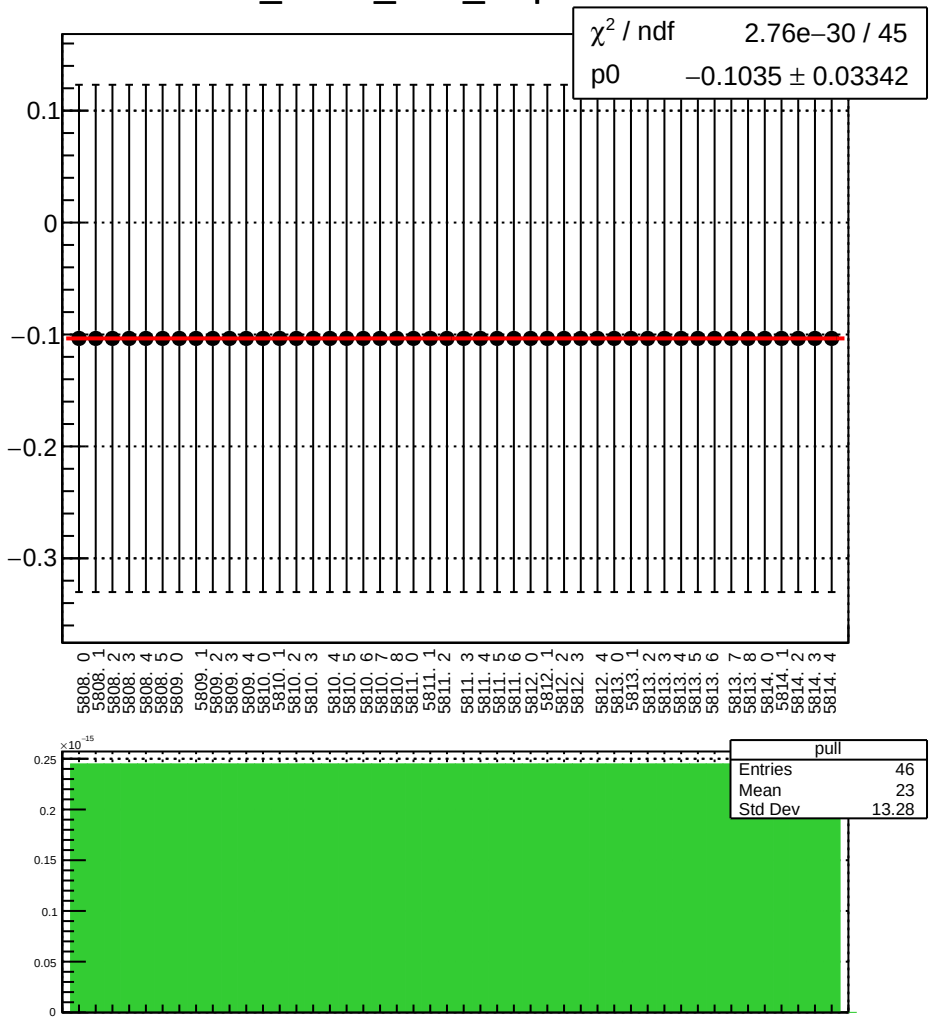

dit_atr2_4eX_slope vs run
χ² / ndf 1.123e−24 / 45
p0 1064 ± 0.6437
1068
1066
1064
1062
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.562e−13
Std Dev7.946e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

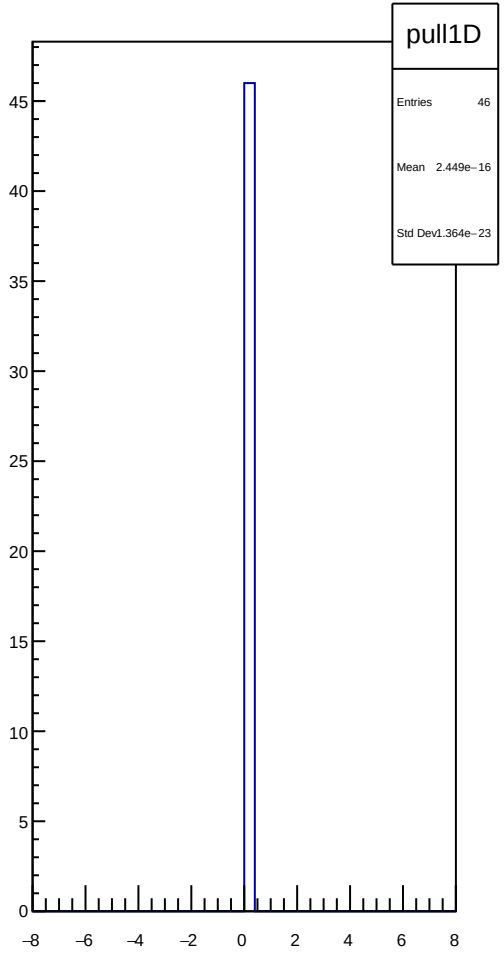

dit_atr2_11X12X_slope vs run
χ² / ndf 8.706e−26 / 45
p0 −296.1 ± 0.1926
−295
−295.5
−296
−296.5
−297
−297.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −4.35e−14
Std Dev1.198e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

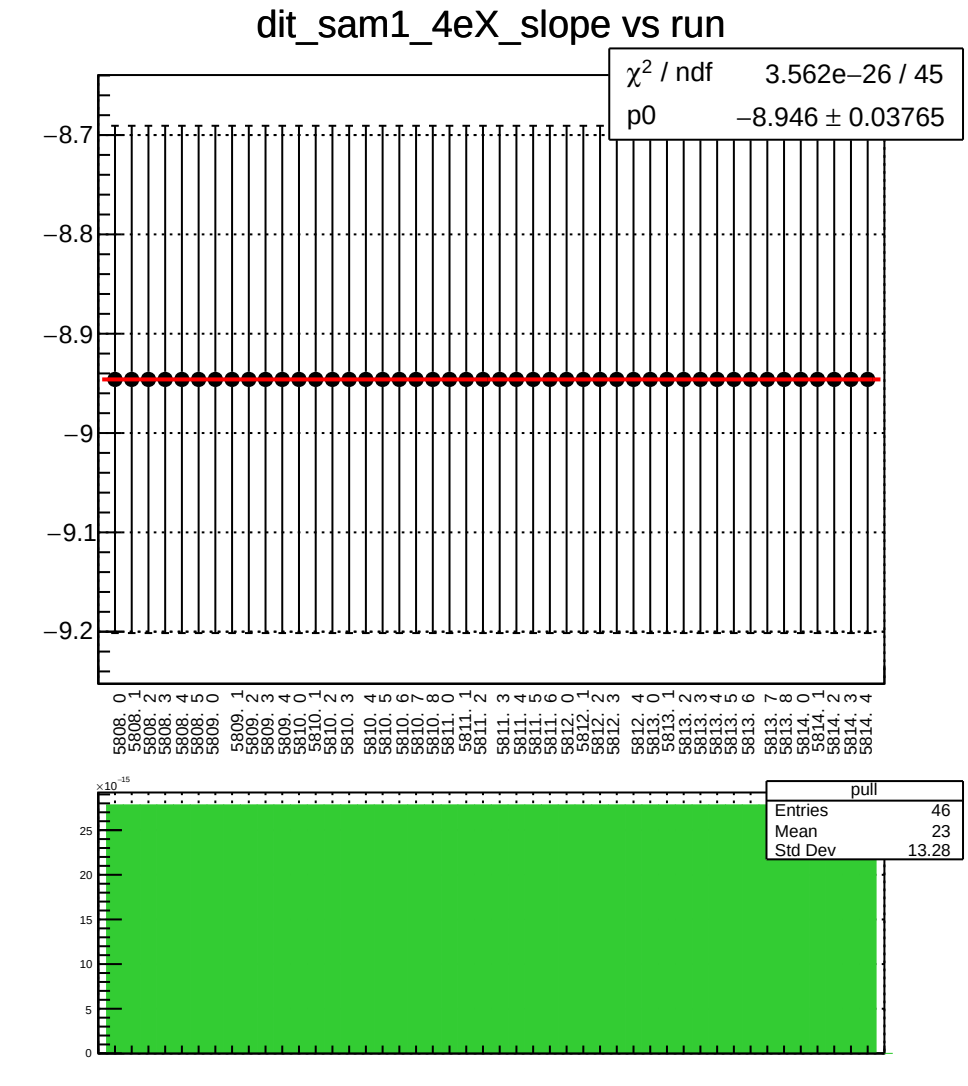

dit_atr2_4aY_slope vs run
χ² / ndf 3.07e−27 / 45
p0 −69.59 ± 1.026
−62
−64
−66
−68
−70
−72
−74
−76
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −8.17e−15
Std Dev 3.818e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

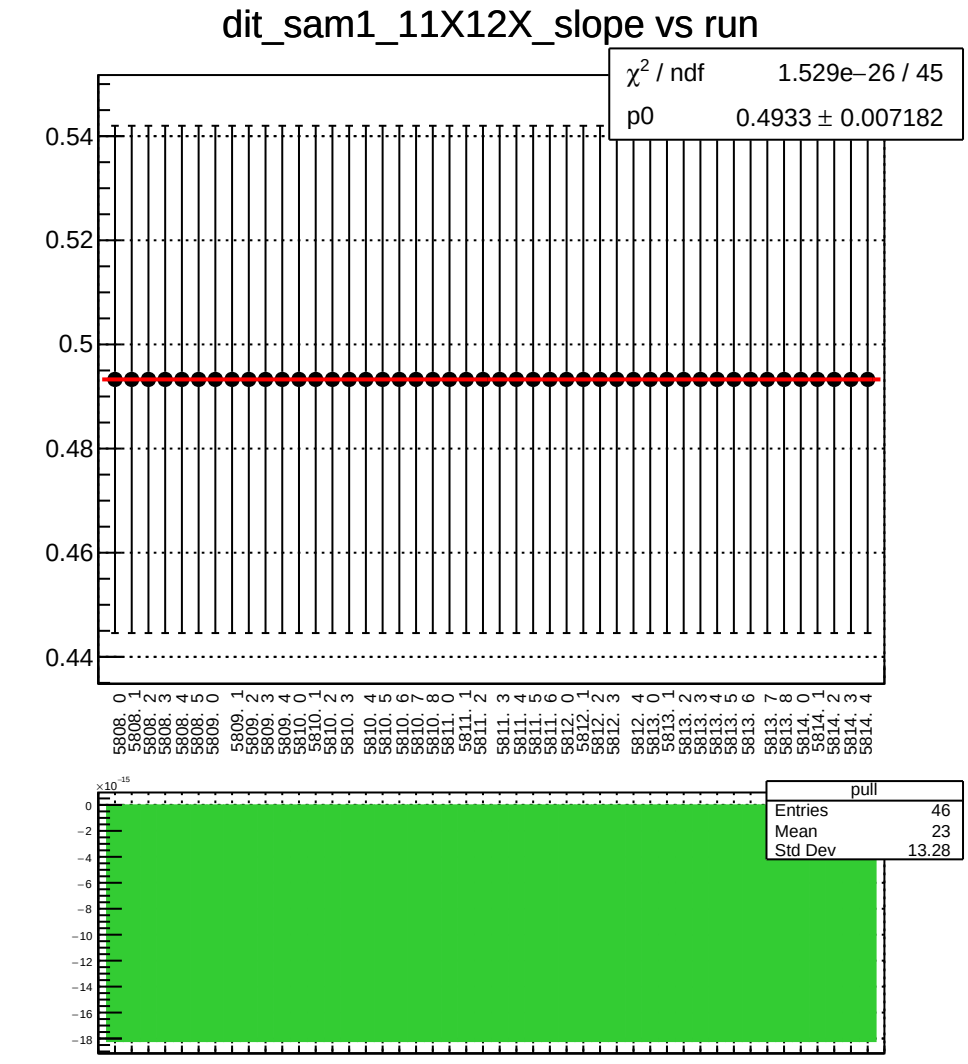

dit_atr2_4eY_slope vs run
χ² / ndf 8.054e−26 / 45
p0 197 ± 0.8012
202
200
198
196
194
192
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28

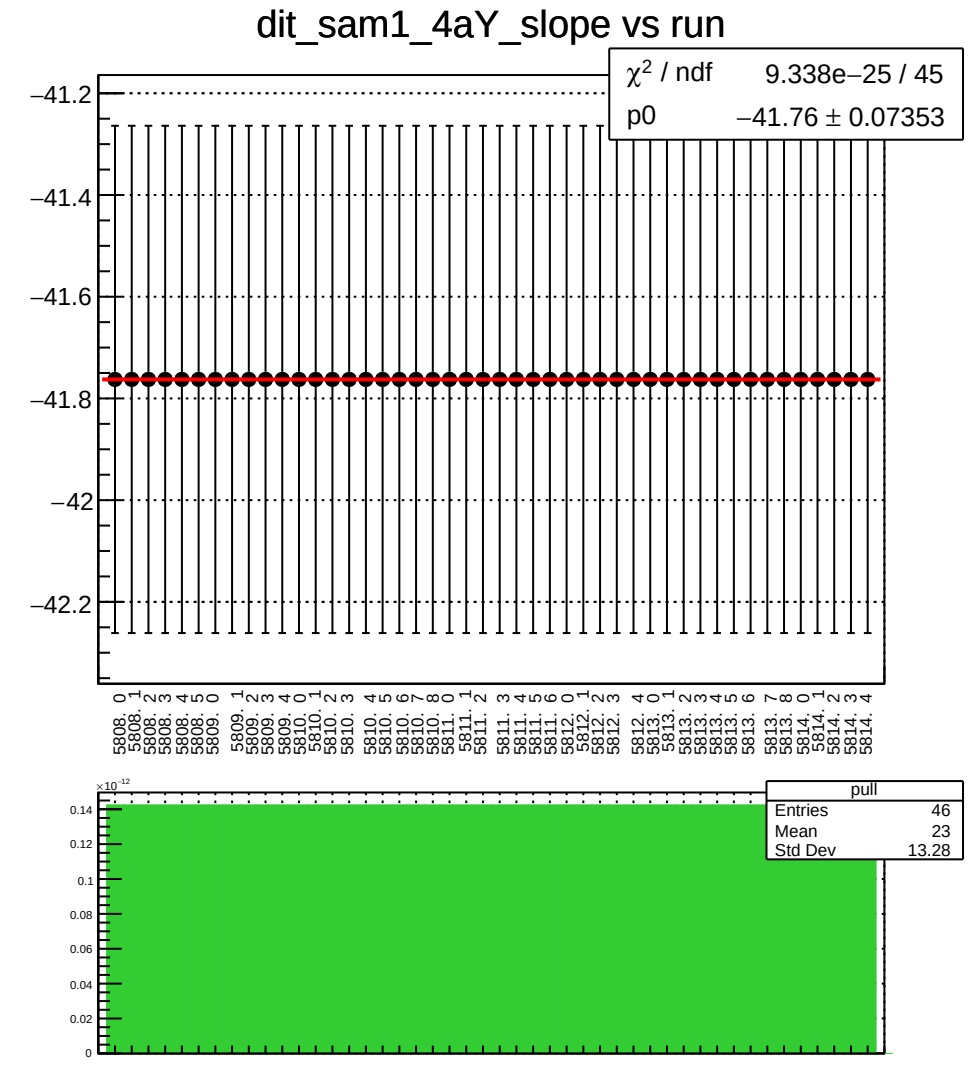

pull1D
Entries 46
Mean 4.184e−14
Std Dev1.797e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

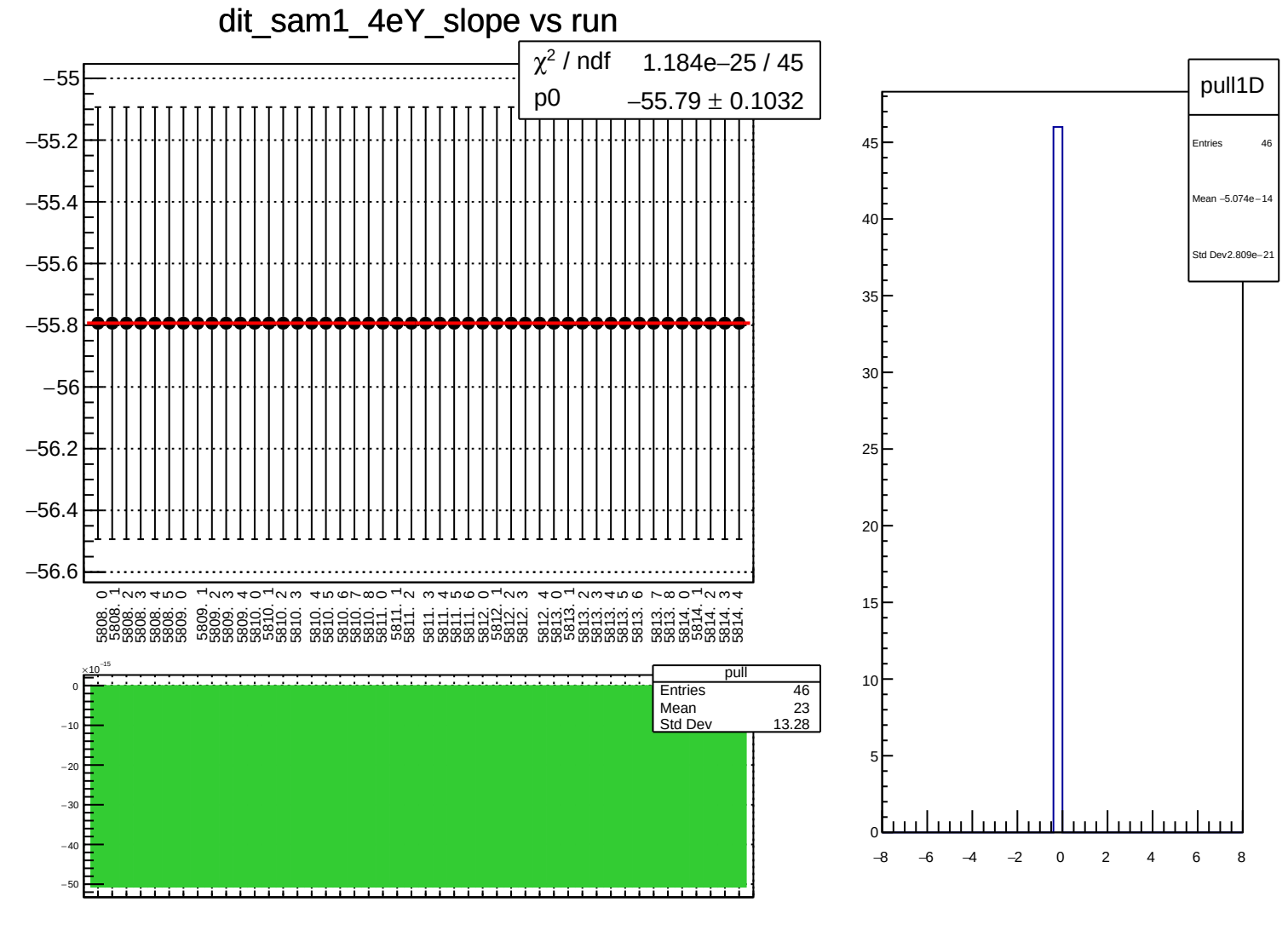

dit_sam1_4aX_slope vs run
χ² / ndf 2.76e−30 / 45
p0 −0.1035 ± 0.03342
0.1
0
−0.1
−0.2
−0.3
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 46
Mean 23
Std Dev 13.28

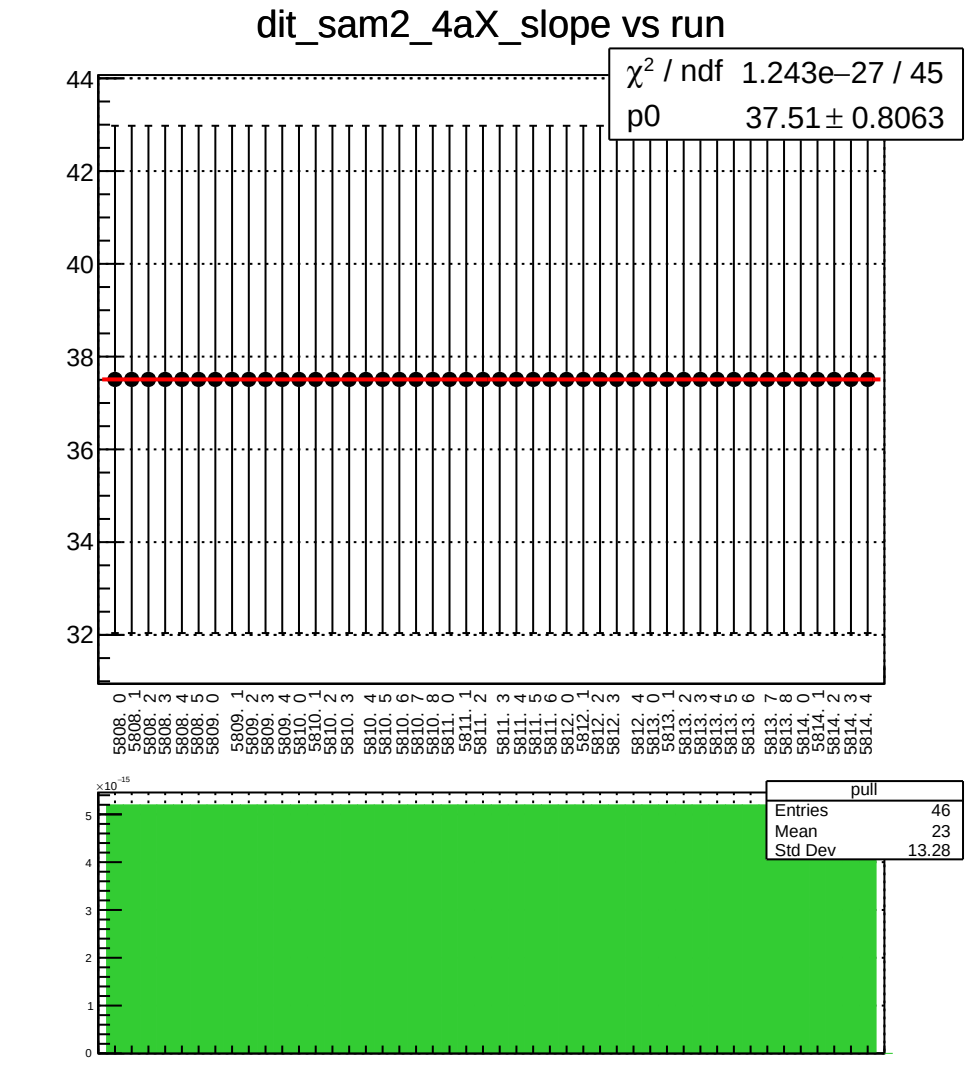

pull1D
Entries 46
Mean 2.449e−16
Std Dev1.364e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

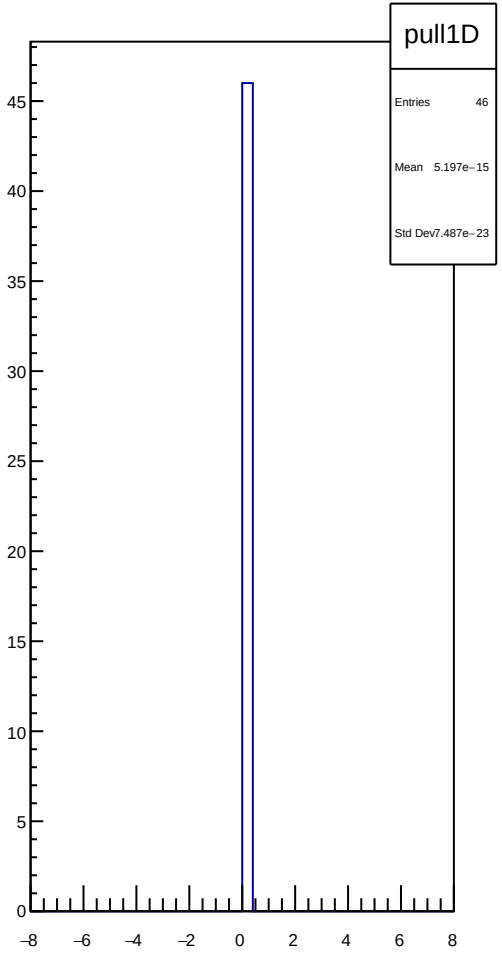

dit_sam1_4eX_slope vs run
χ² / ndf 3.562e−26 / 45
p0 −8.946 ± 0.03765
−8.7
−8.8
−8.9
−9
−9.1
−9.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 2.783e−14
Std Dev 6.696e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

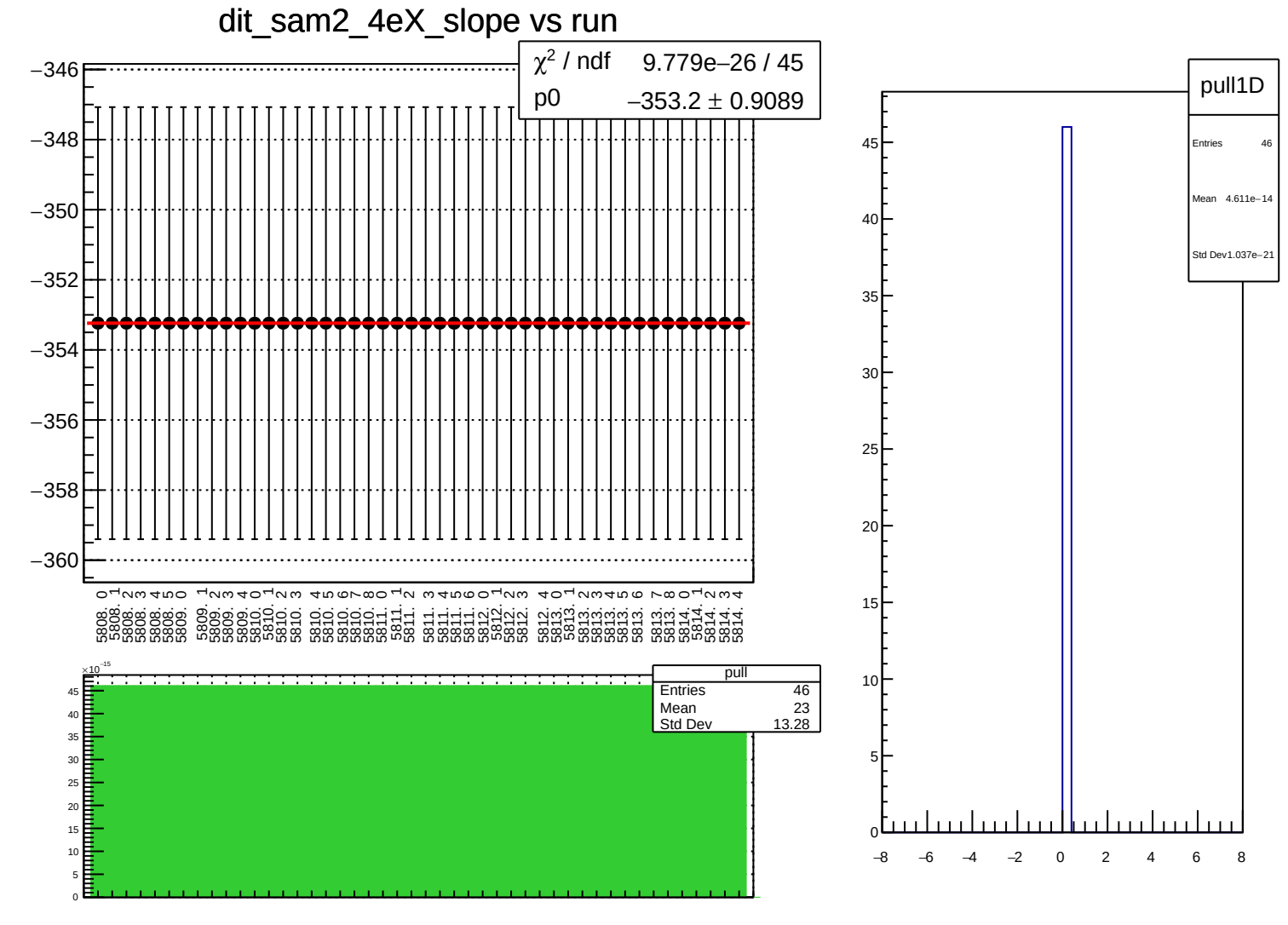

dit_sam1_11X12X_slope vs run
χ² / ndf 1.529e−26 / 45
p0 0.4933 ± 0.007182
0.54
0.52
0.5
0.48
0.46
0.44
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻±⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.823e−14
Std Dev 5.989e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

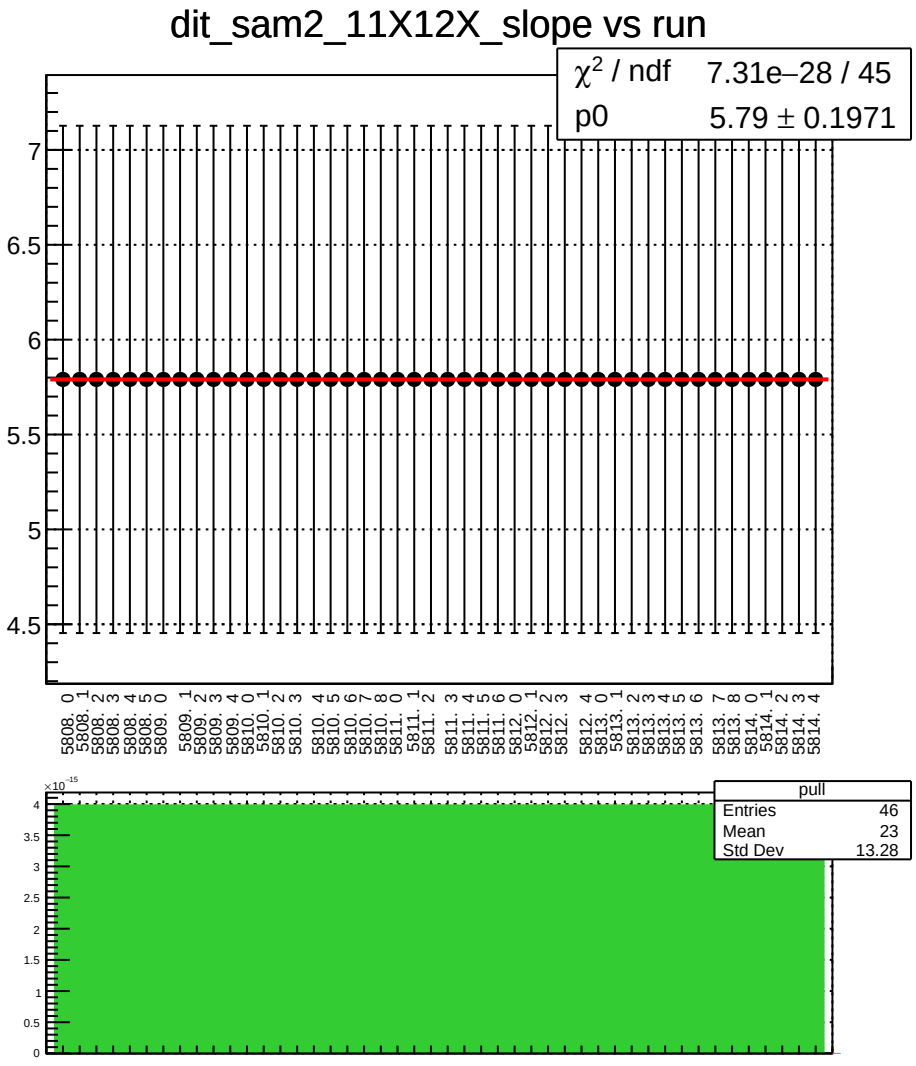

dit_sam1_4aY_slope vs run
χ² / ndf 9.338e−25 / 45
p0 −41.76 ± 0.07353
−41.2
−41.4
−41.6
−41.8
−42
−42.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.425e−13
Std Dev1.694e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

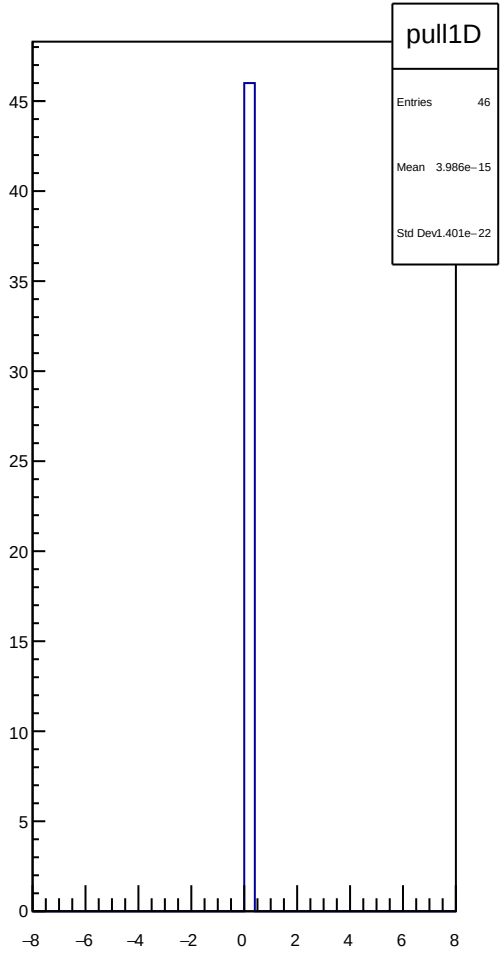

dit_sam1_4eY_slope vs run
χ² / ndf 1.184e−25 / 45
p0 −55.79 ± 0.1032
−55
−55.2
−55.4
−55.6
−55.8
−56
−56.2
−56.4
−56.6
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −5.074e−14
Std Dev2.809e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

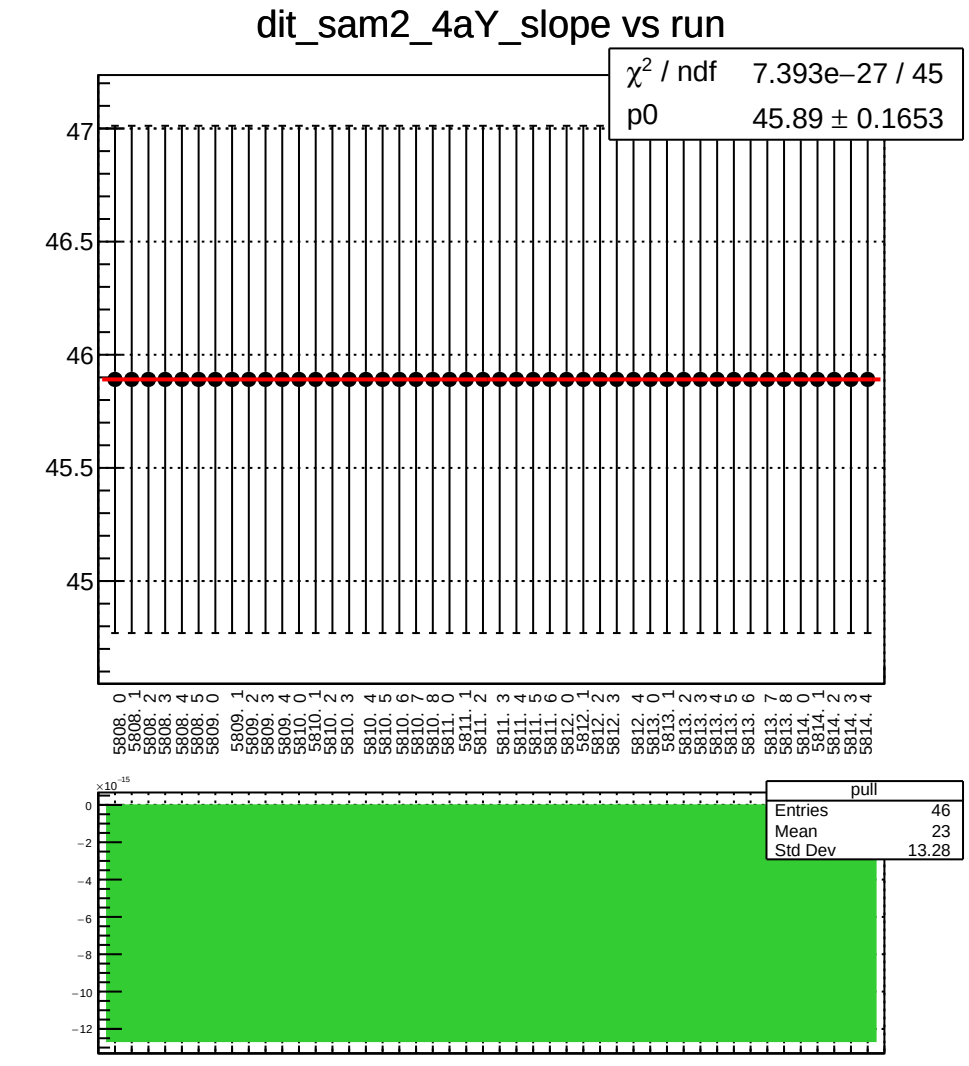

dit_sam2_4aX_slope vs run
χ² / ndf 1.243e−27 / 45
p0 37.51 ± 0.8063
pull
Entries 46
Mean 23
Std Dev 13.28

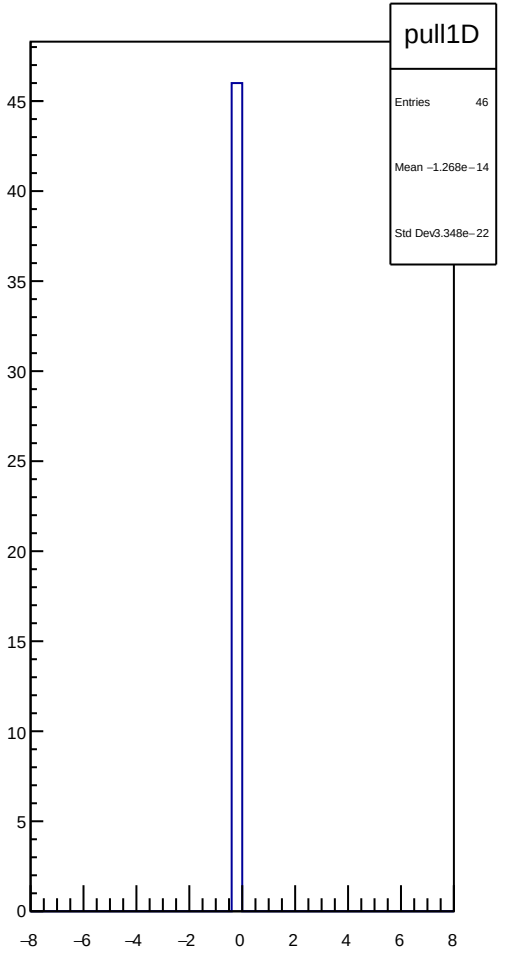

pull1D
Entries 46
Mean 5.197e−15
Std Dev7.487e−23

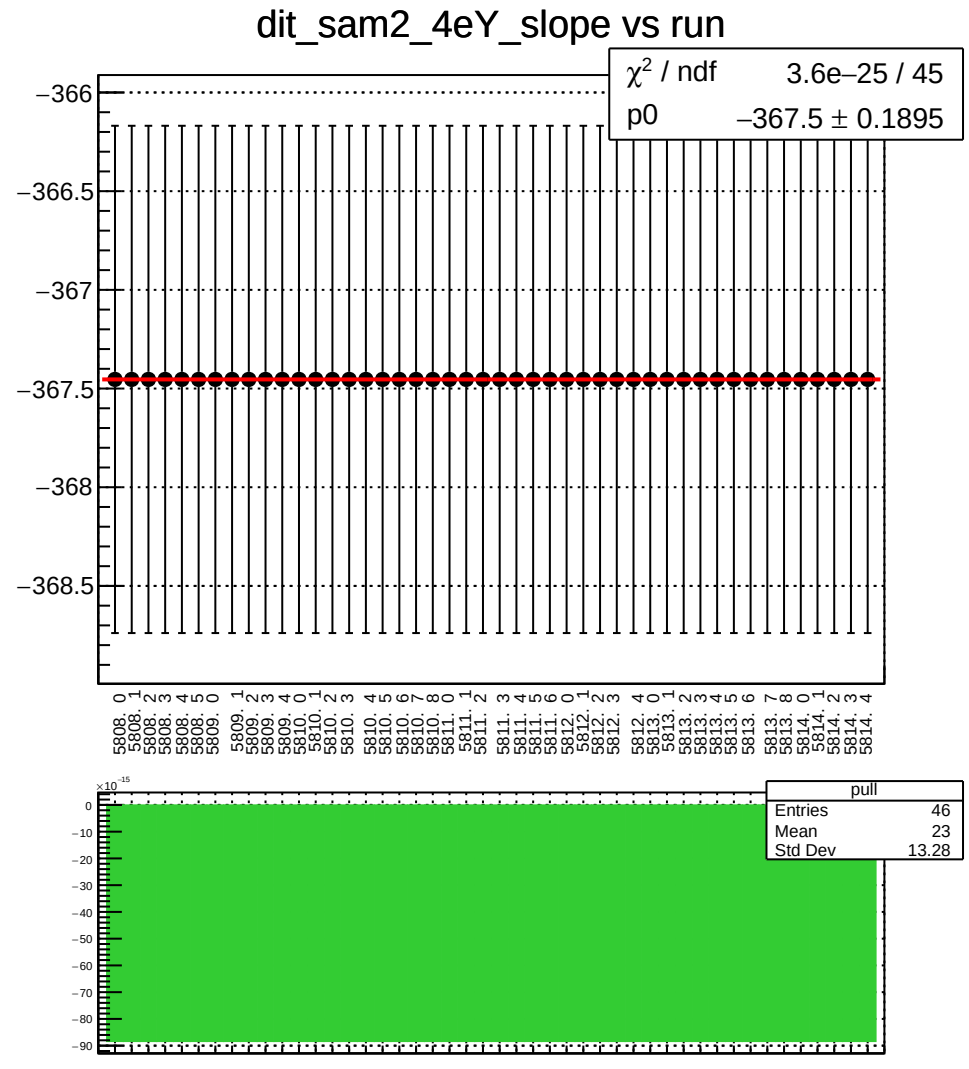

dit_sam2_4eX_slope vs run
χ² / ndf 9.779e−26 / 45
p0 −353.2 ± 0.9089
−346
−348
−350
−352
−354
−356
−358
−360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 4.611e−14
Std Dev1.037e−21

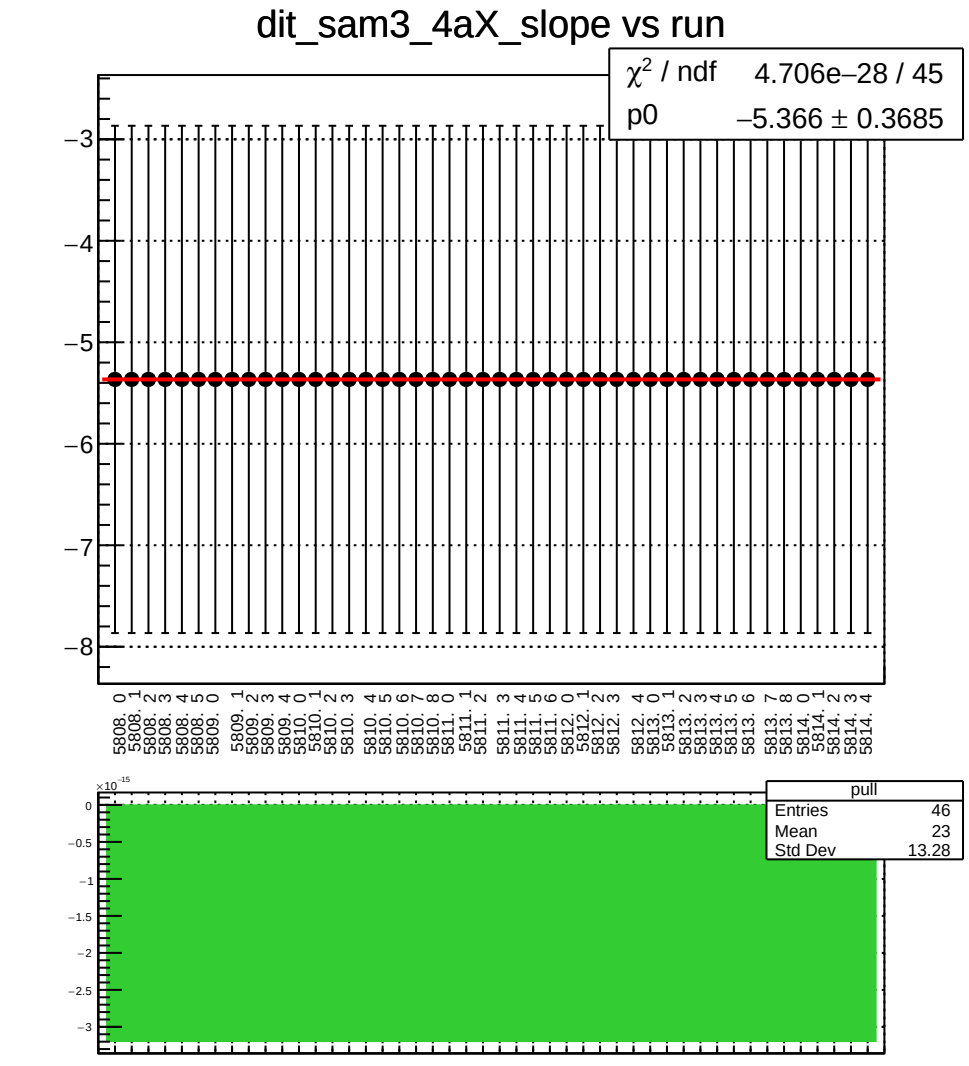

dit_sam2_11X12X_slope vs run
χ² / ndf 7.31e−28 / 45
p0 5.79 ± 0.1971
7
6.5
6
5.5
5
4.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28

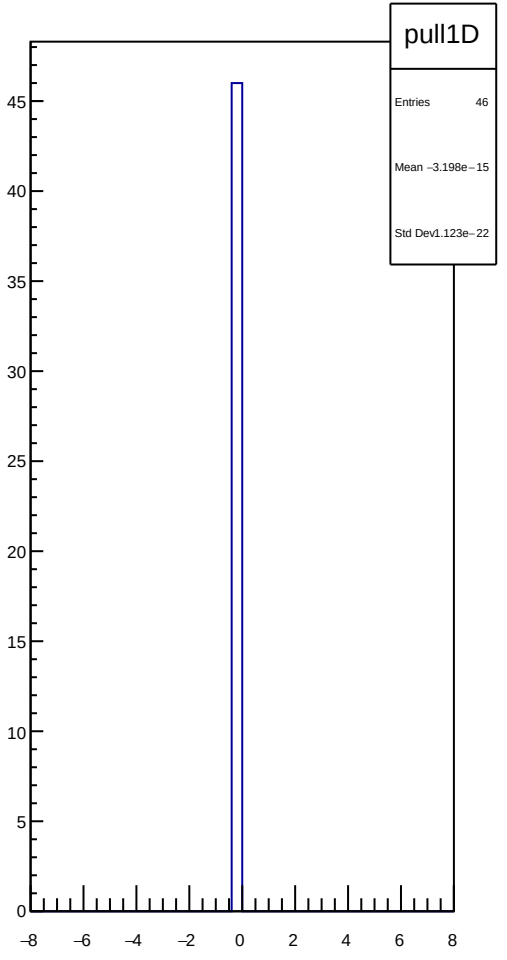

pull1D
Entries 46
Mean 3.986e−15
Std Dev1.401e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

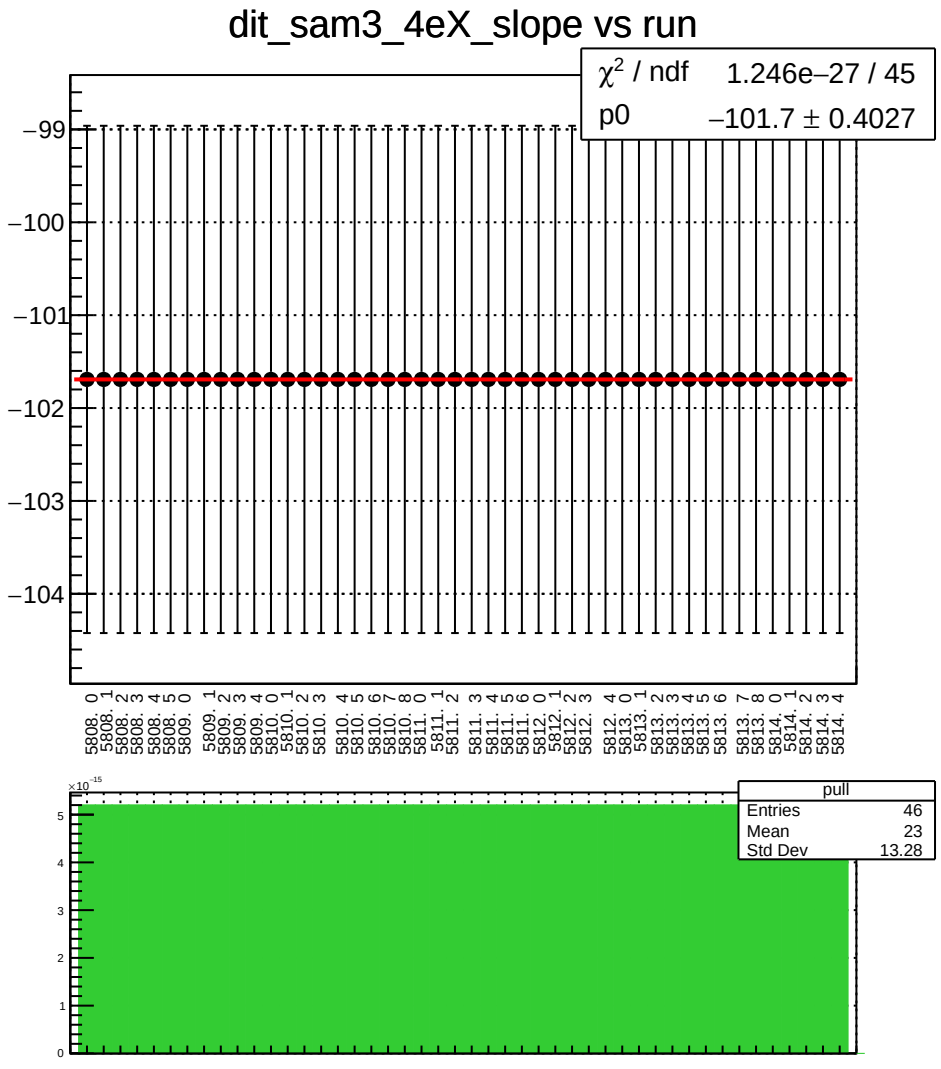

dit_sam2_4aY_slope vs run
χ² / ndf 7.393e−27 / 45
p0 45.89 ± 0.1653
47
46.5
46
45.5
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 46
Mean 23
Std Dev 13.28

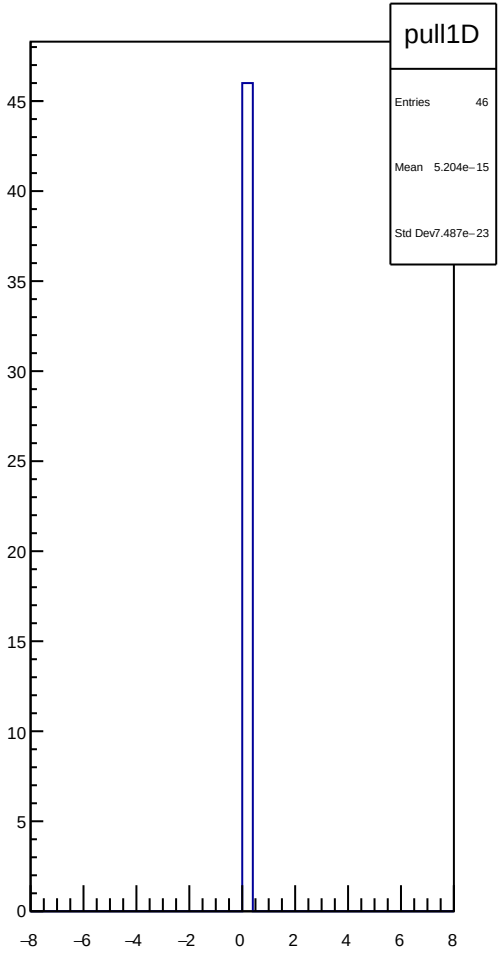

pull1D
Entries 46
Mean −1.268e−14
Std Dev3.348e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

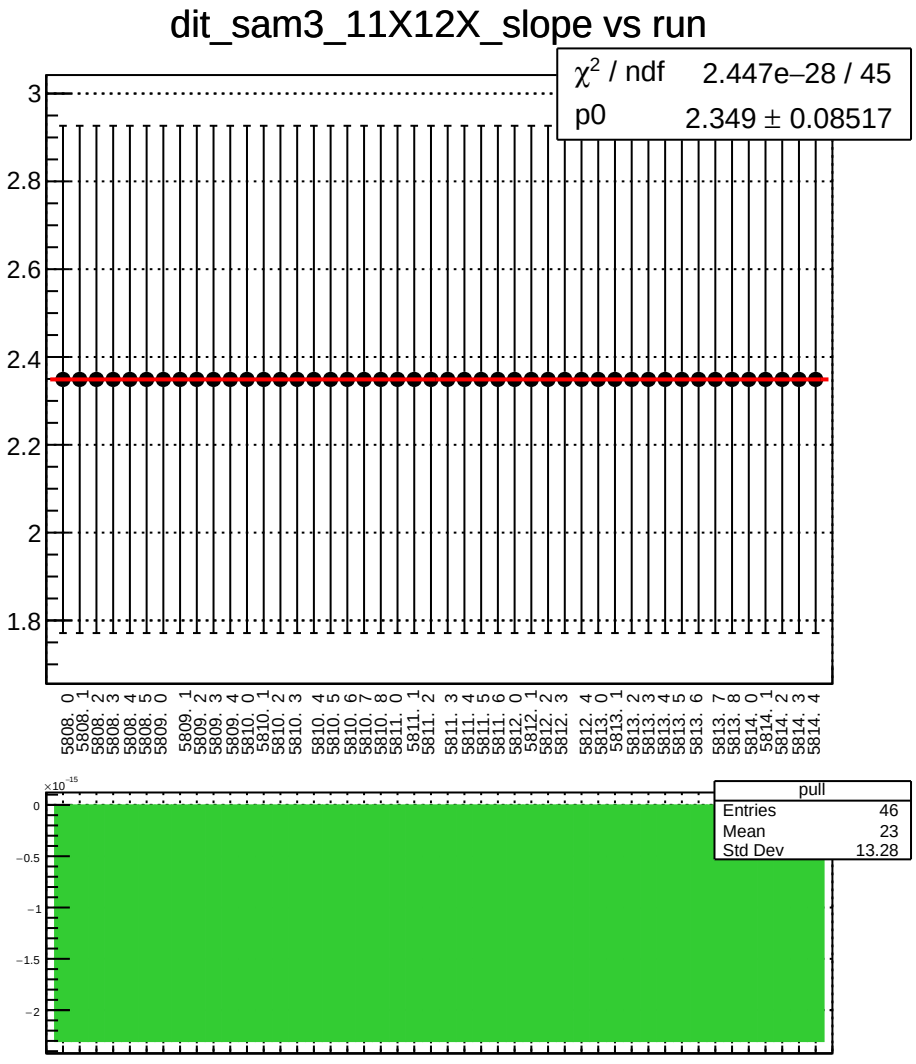

dit_sam2_4eY_slope vs run
χ² / ndf 3.6e−25 / 45
p0 −367.5 ± 0.1895
−366
−366.5
−367
−367.5
−368
−368.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻�15
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −8.847e−14
Std Dev2.679e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

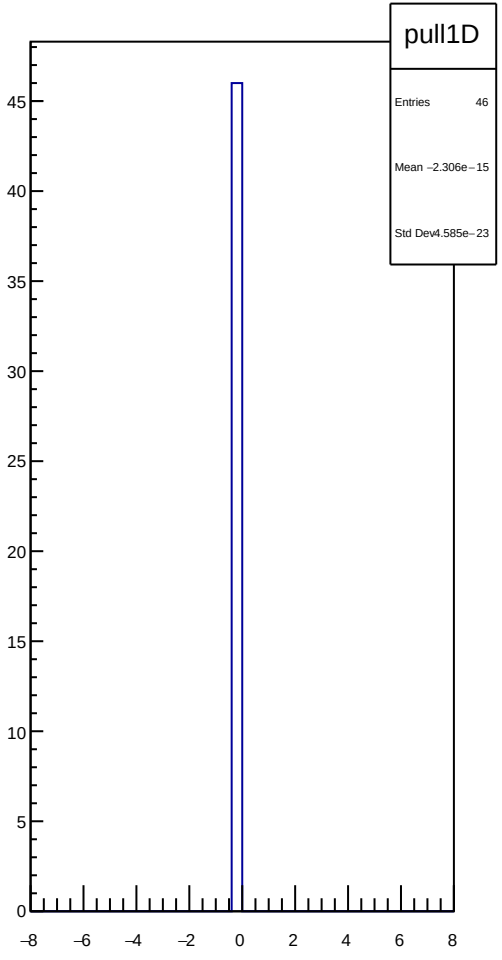

dit_sam3_4aX_slope vs run
χ² / ndf 4.706e−28 / 45
p0 −5.366 ± 0.3685
−3
−4
−5
−6
−7
−8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 46
Mean 23
Std Dev 13.28

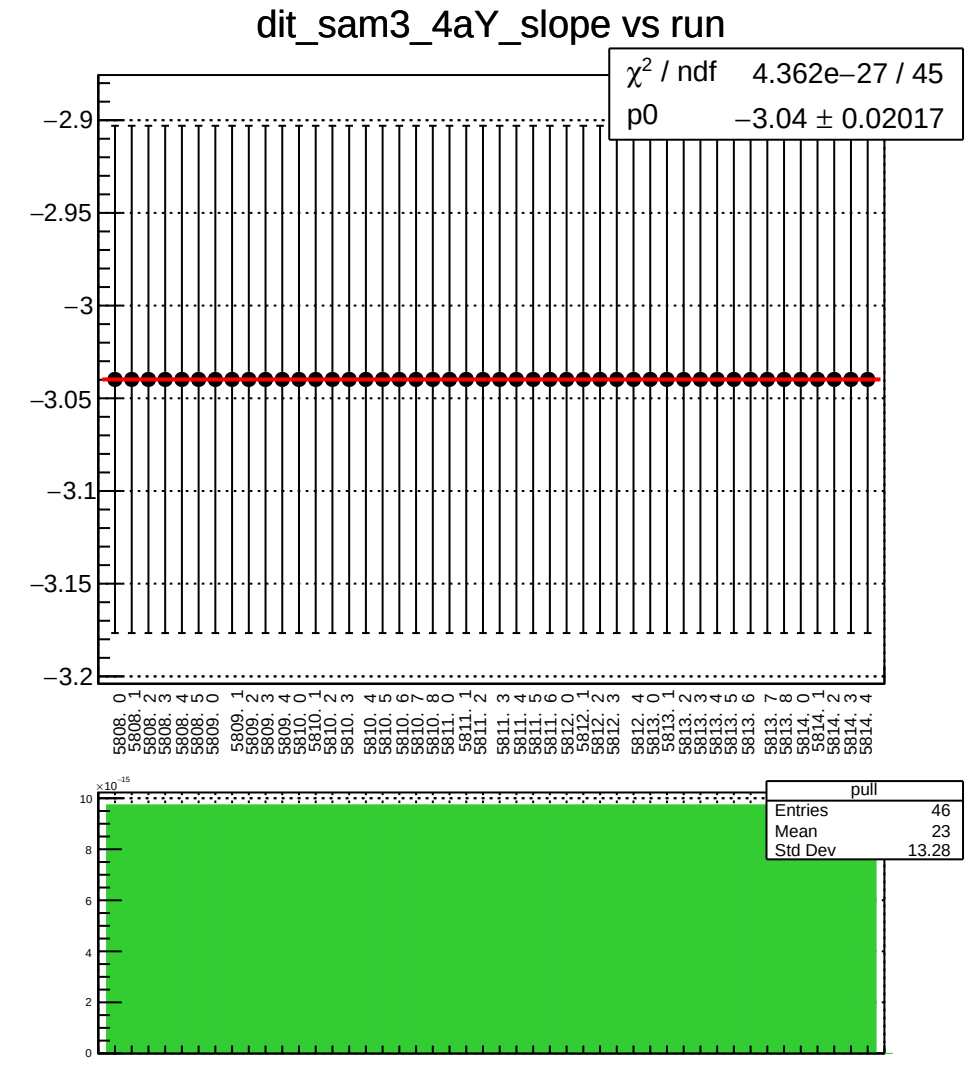

pull1D
Entries 46
Mean −3.198e−15
Std Dev1.123e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

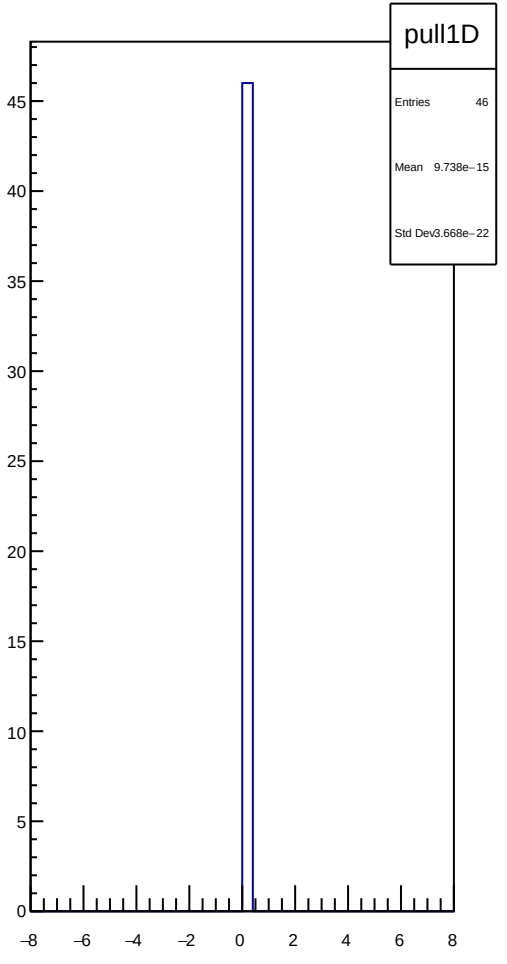

dit_sam3_4eX_slope vs run
χ² / ndf 1.246e−27 / 45
p0 −101.7 ± 0.4027
−99
−100
−101
−102
−103
−104
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 46
Mean 23
Std Dev 13.28

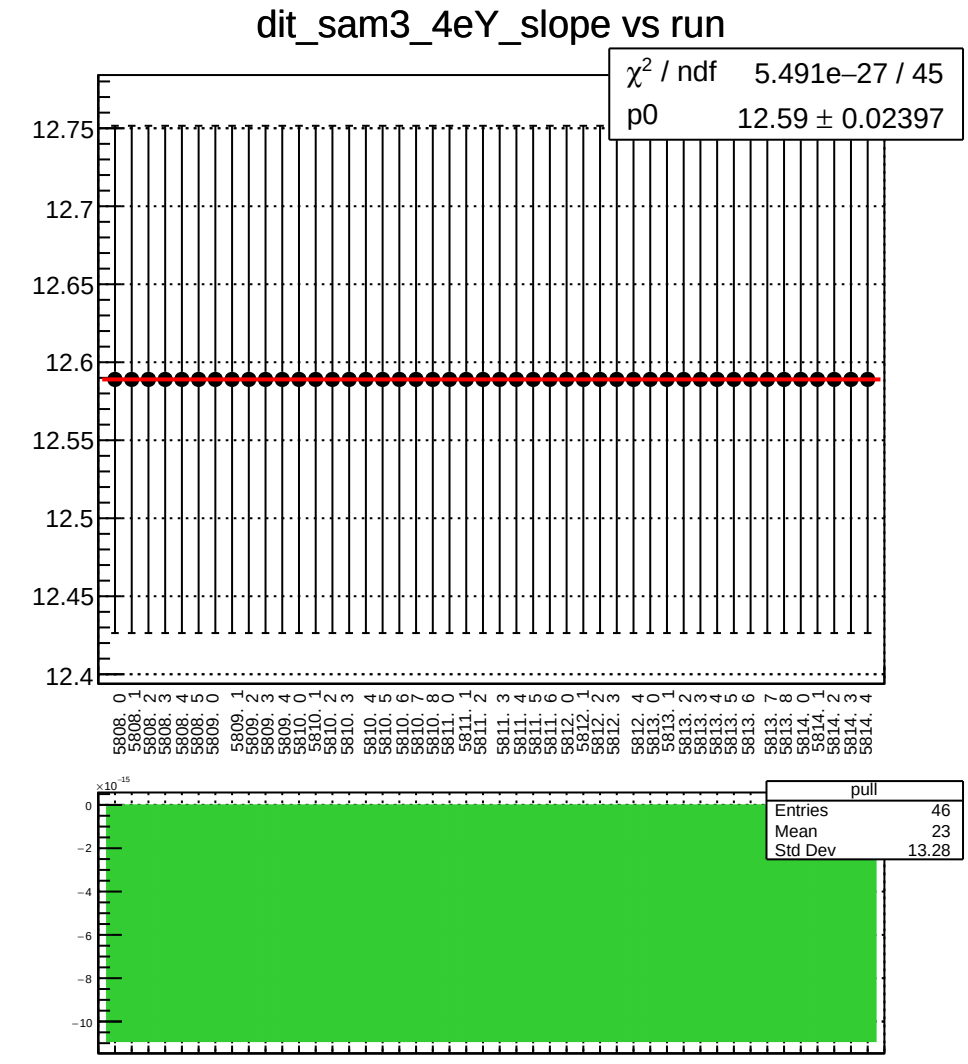

pull1D
Entries 46
Mean 5.204e−15
Std Dev7.487e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

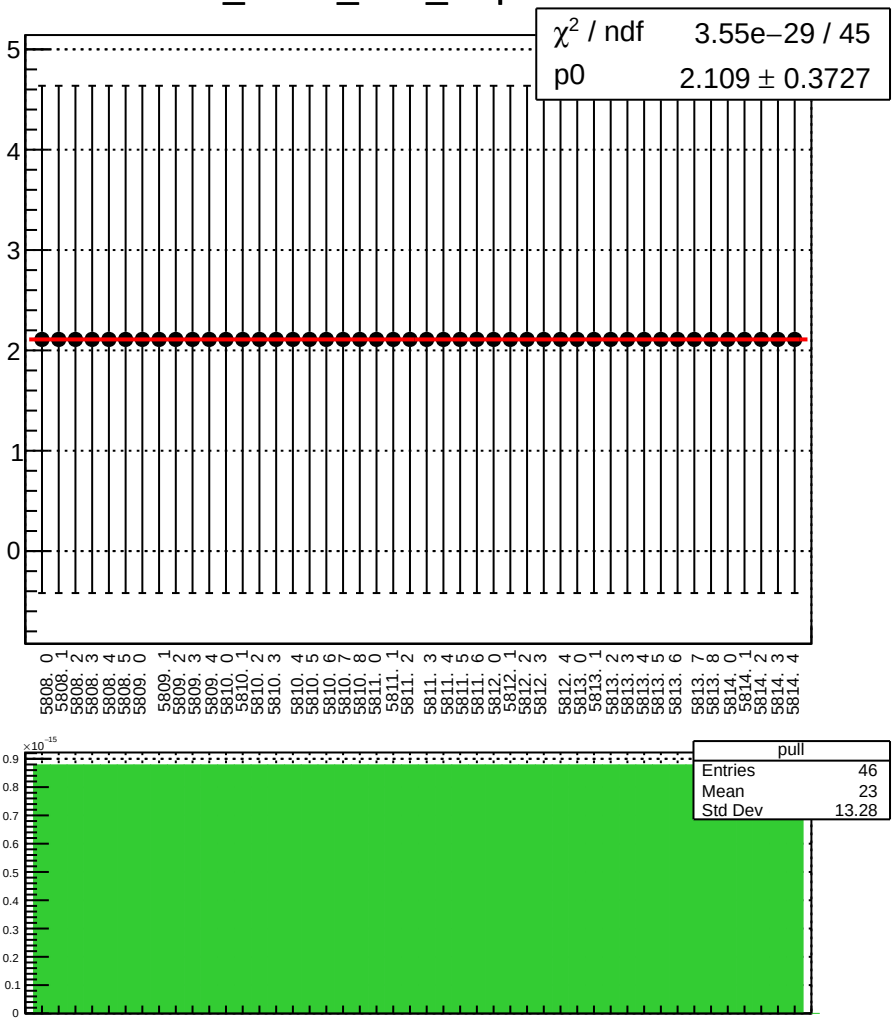

dit_sam3_11X12X_slope vs run
χ² / ndf 2.447e−28 / 45
p0 2.349 ± 0.08517
pull
Entries 46
Mean 23
Std Dev 13.28

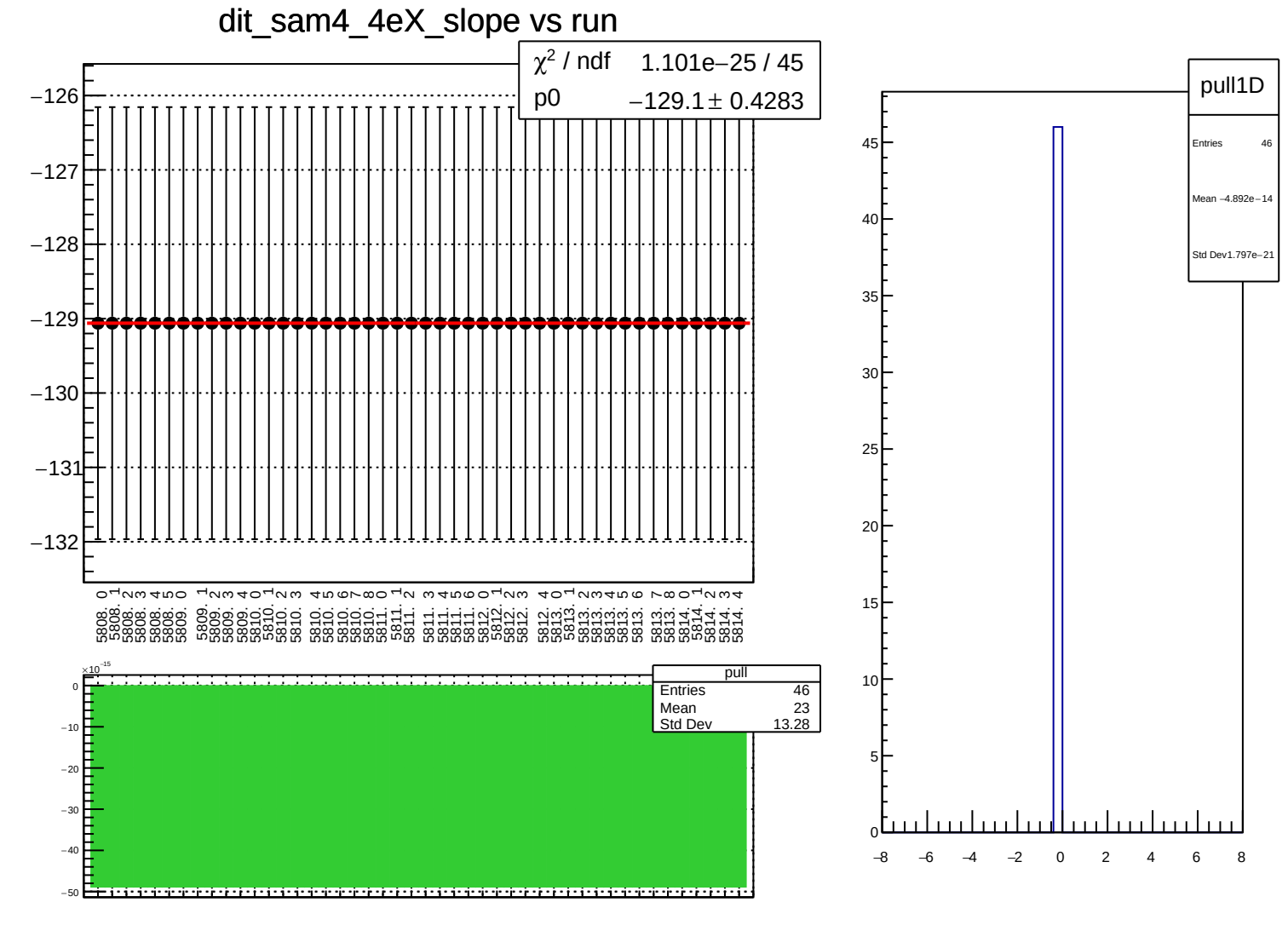

pull1D
Entries 46
Mean −2.306e−15
Std Dev4.585e−23

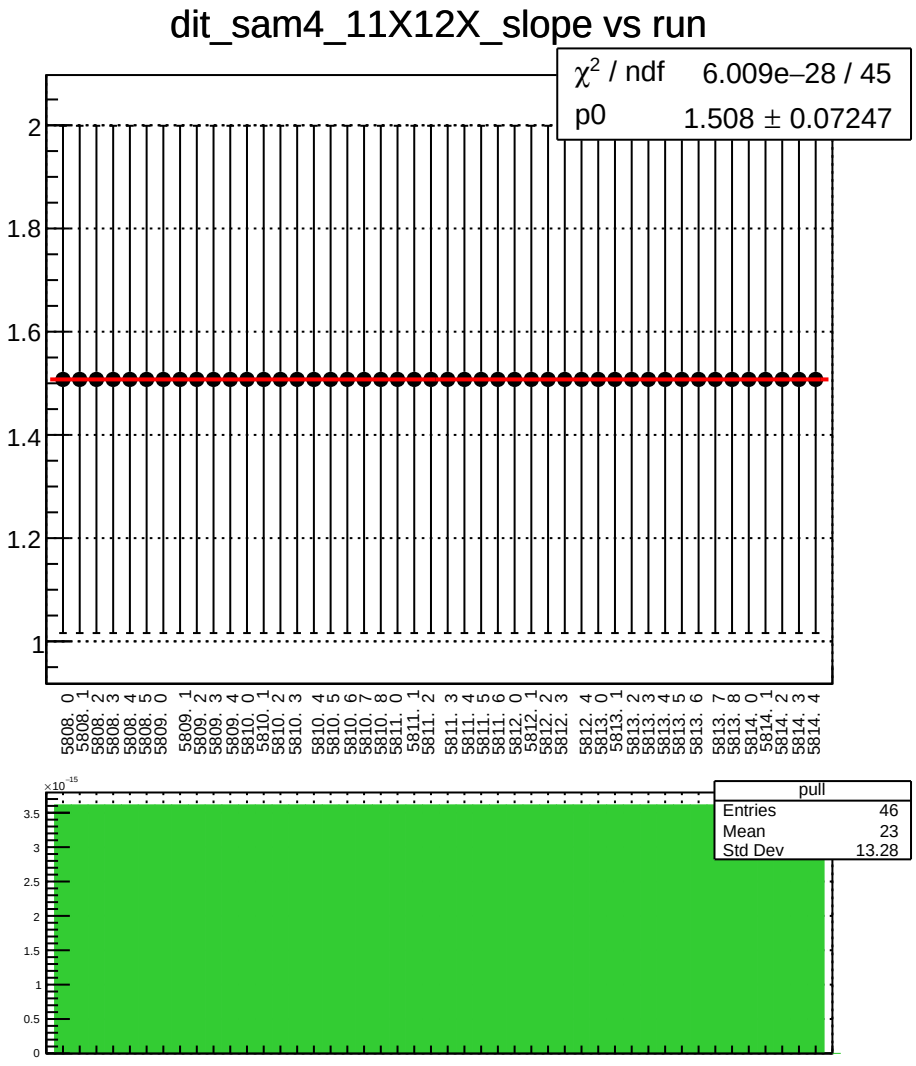

dit_sam3_4aY_slope vs run
χ² / ndf 4.362e−27 / 45
p0 −3.04 ± 0.02017
−2.9
−2.95
−3
−3.05
−3.1
−3.15
−3.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28

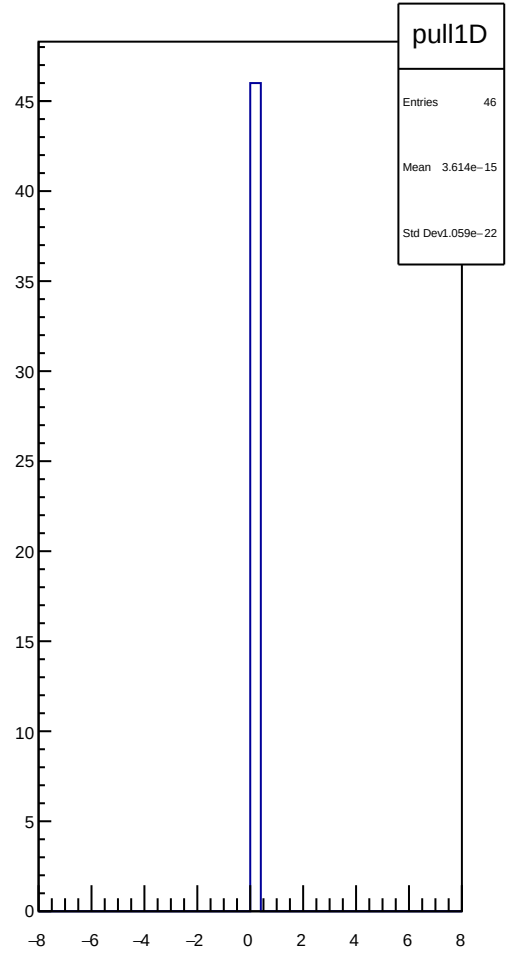

pull1D
Entries 46
Mean 9.738e−15
Std Dev3.668e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

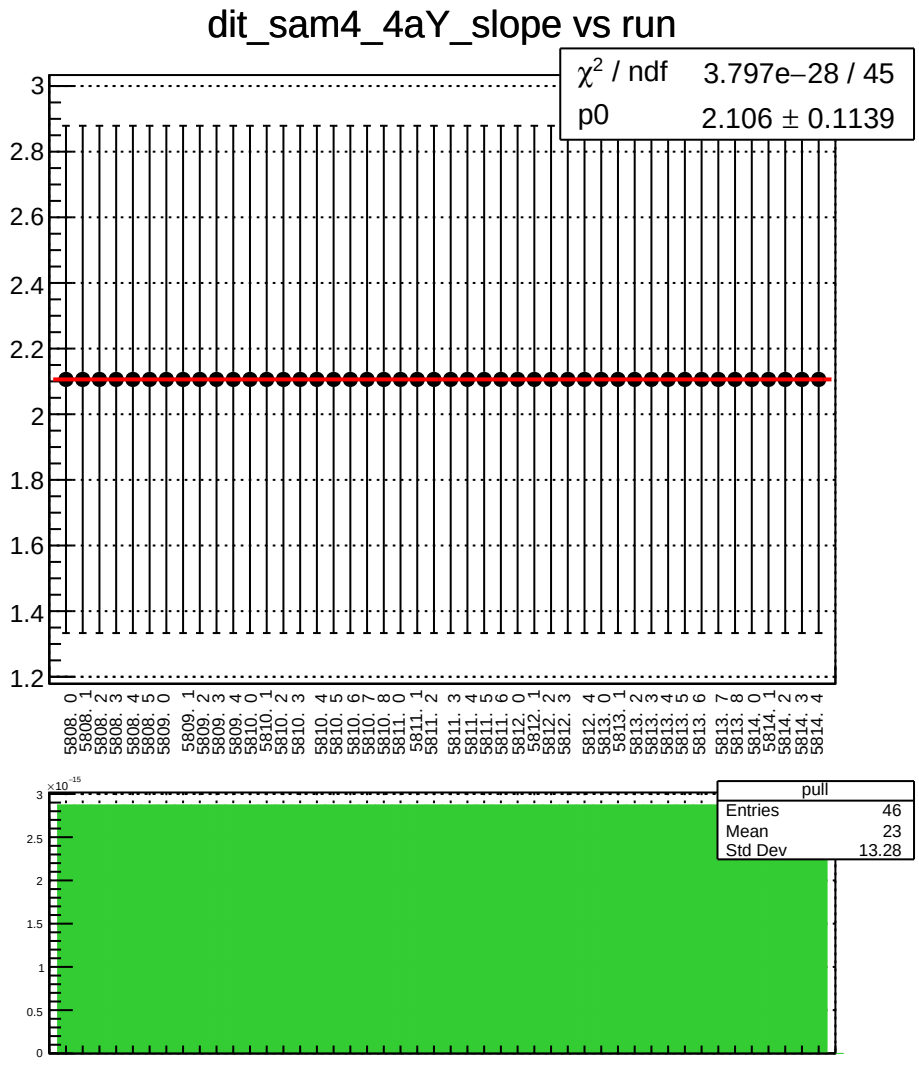

dit_sam3_4eY_slope vs run
χ² / ndf 5.491e−27 / 45
p0 12.59 ± 0.02397
12.75
12.7
12.65
12.6
12.55
12.5
12.45
12.4
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.093e−14
Std Dev4.235e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

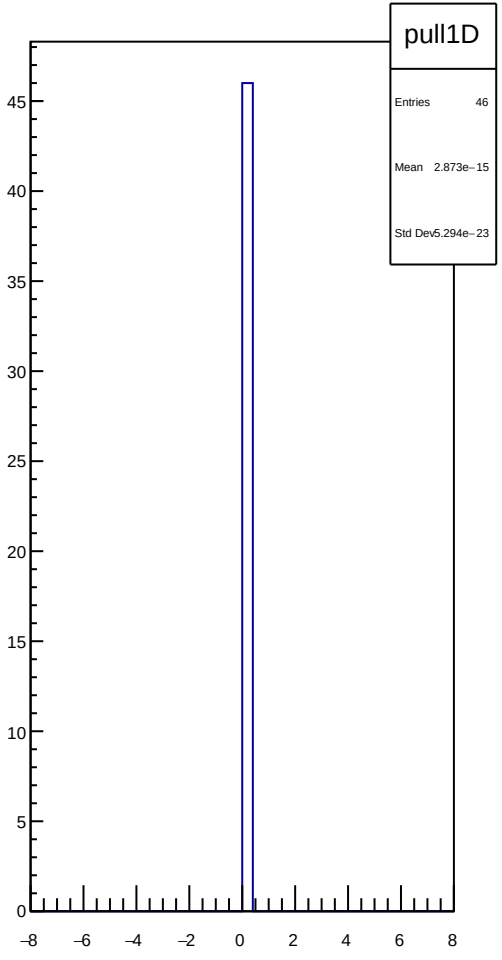

dit_sam4_4aX_slope vs run
χ² / ndf 3.55e−29 / 45
p0 2.109 ± 0.3727
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 8.785e−16
Std Dev4.863e−23

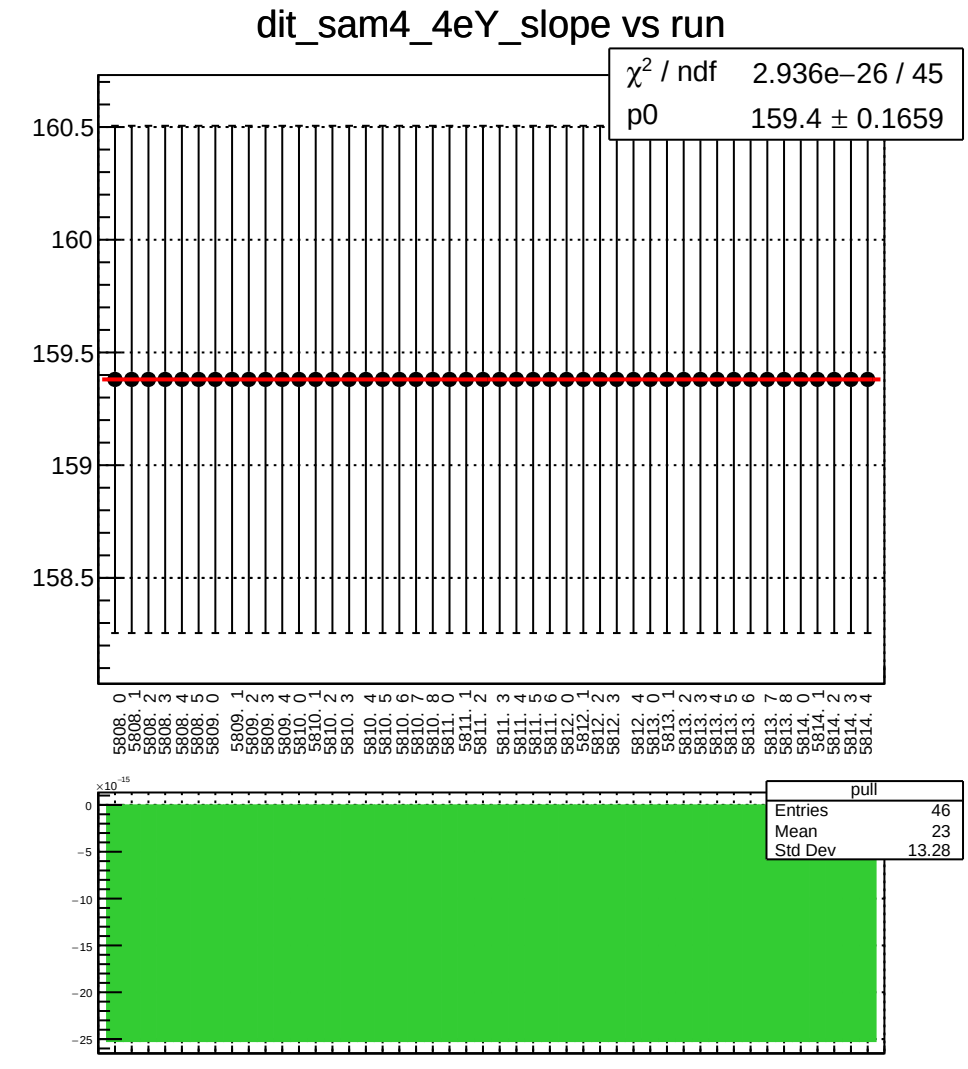

dit_sam4_4eX_slope vs run
χ² / ndf 1.101e−25 / 45
p0 −129.1 ± 0.4283
−126
−127
−128
−129
−130
−131
−132
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −4.892e−14
Std Dev 1.797e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

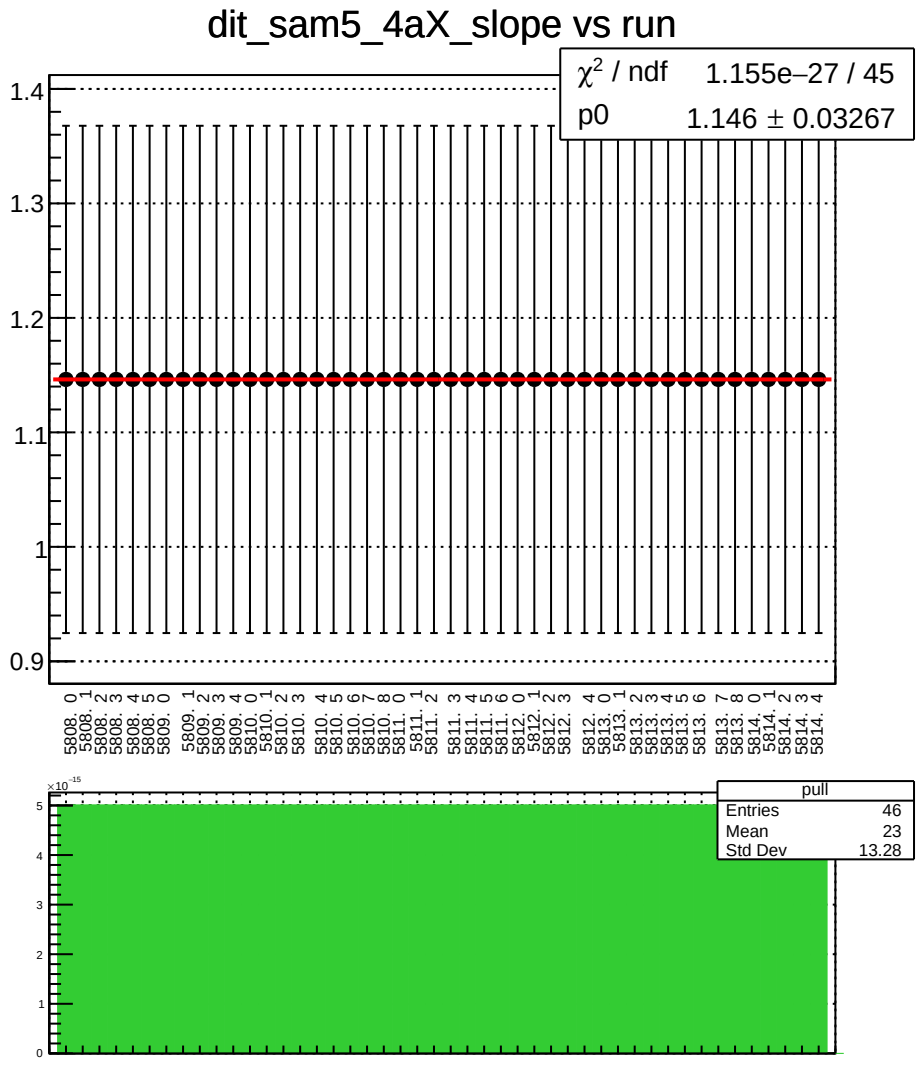

dit_sam4_11X12X_slope vs run
χ² / ndf 6.009e−28 / 45
p0 1.508 ± 0.07247
pull
Entries 46
Mean 23
Std Dev 13.28

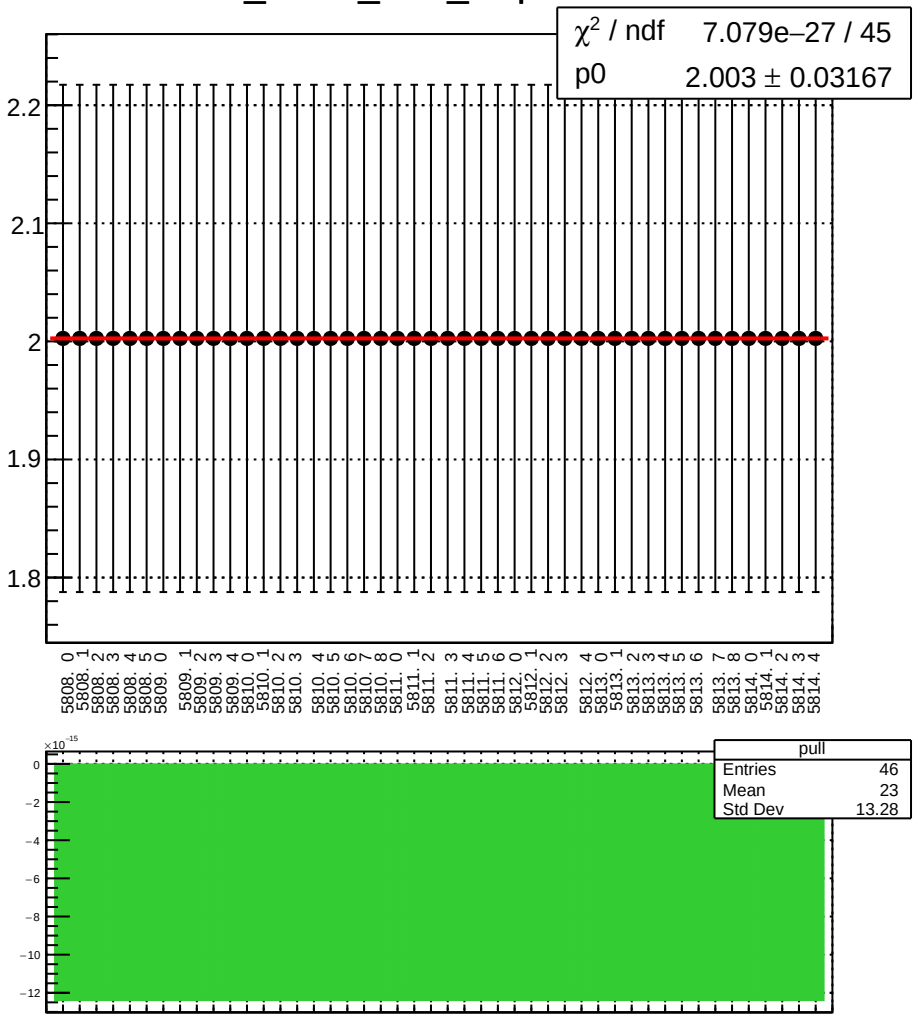

pull1D
Entries 46
Mean 3.614e−15
Std Dev1.059e−22

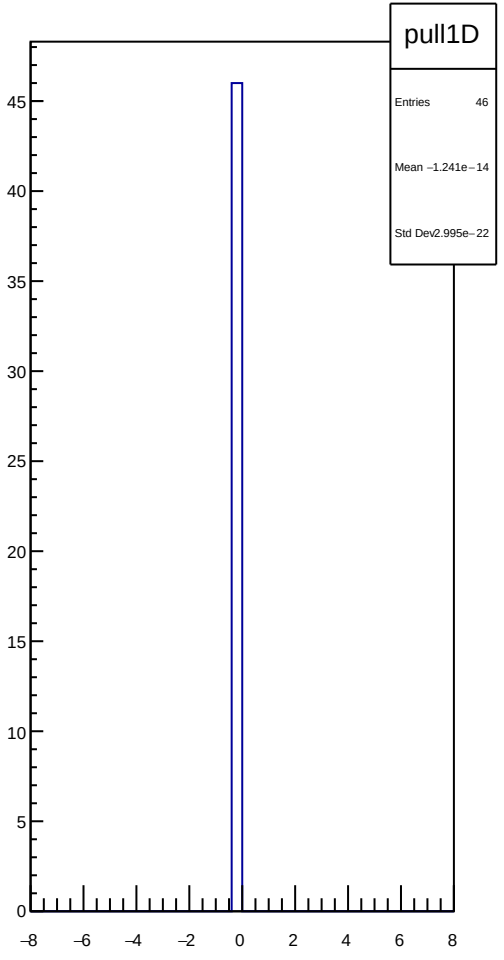

dit_sam4_4aY_slope vs run
χ² / ndf 3.797e−28 / 45
p0 2.106 ± 0.1139
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28

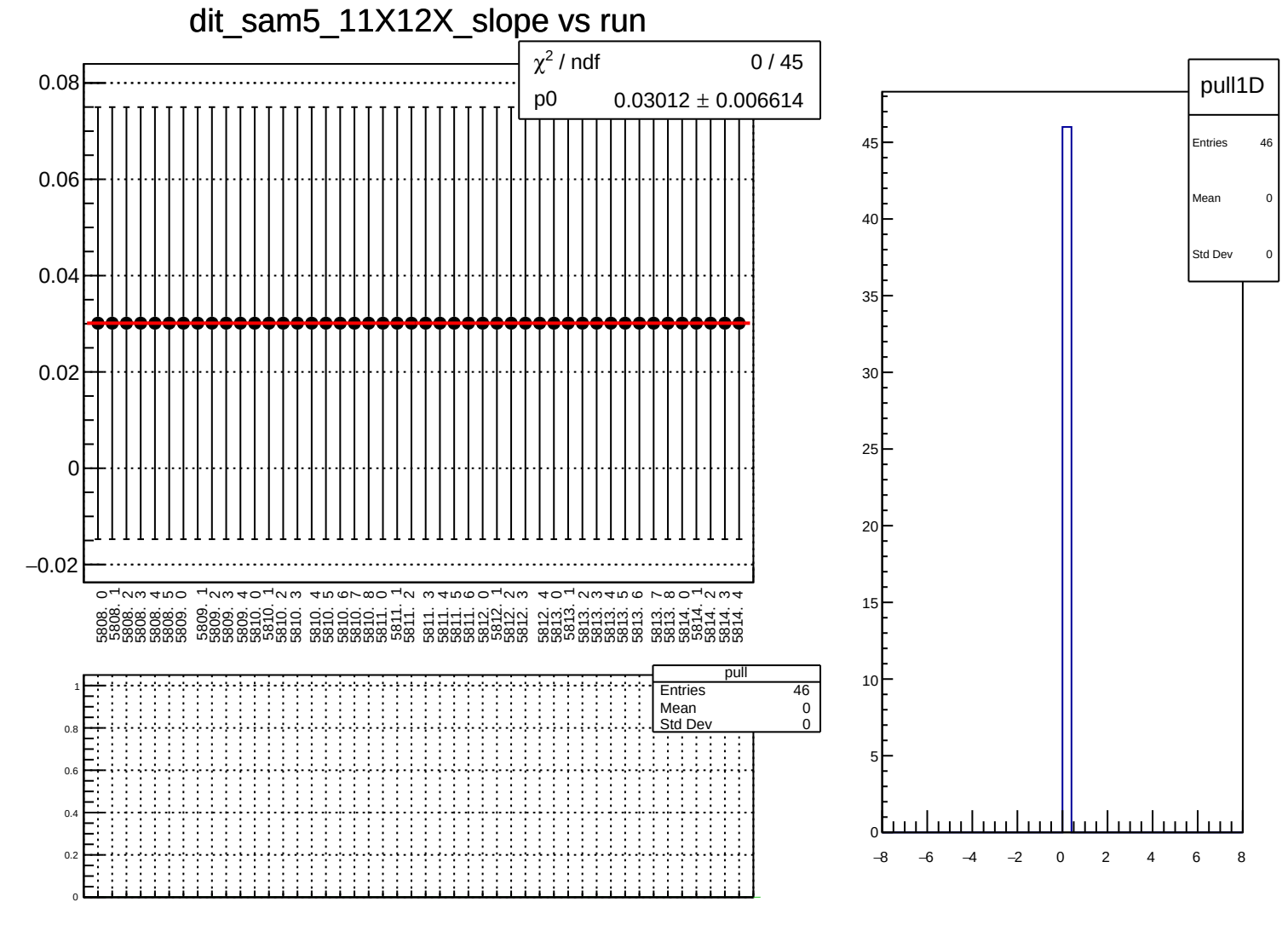

pull1D
Entries 46
Mean 2.873e−15
Std Dev5.294e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

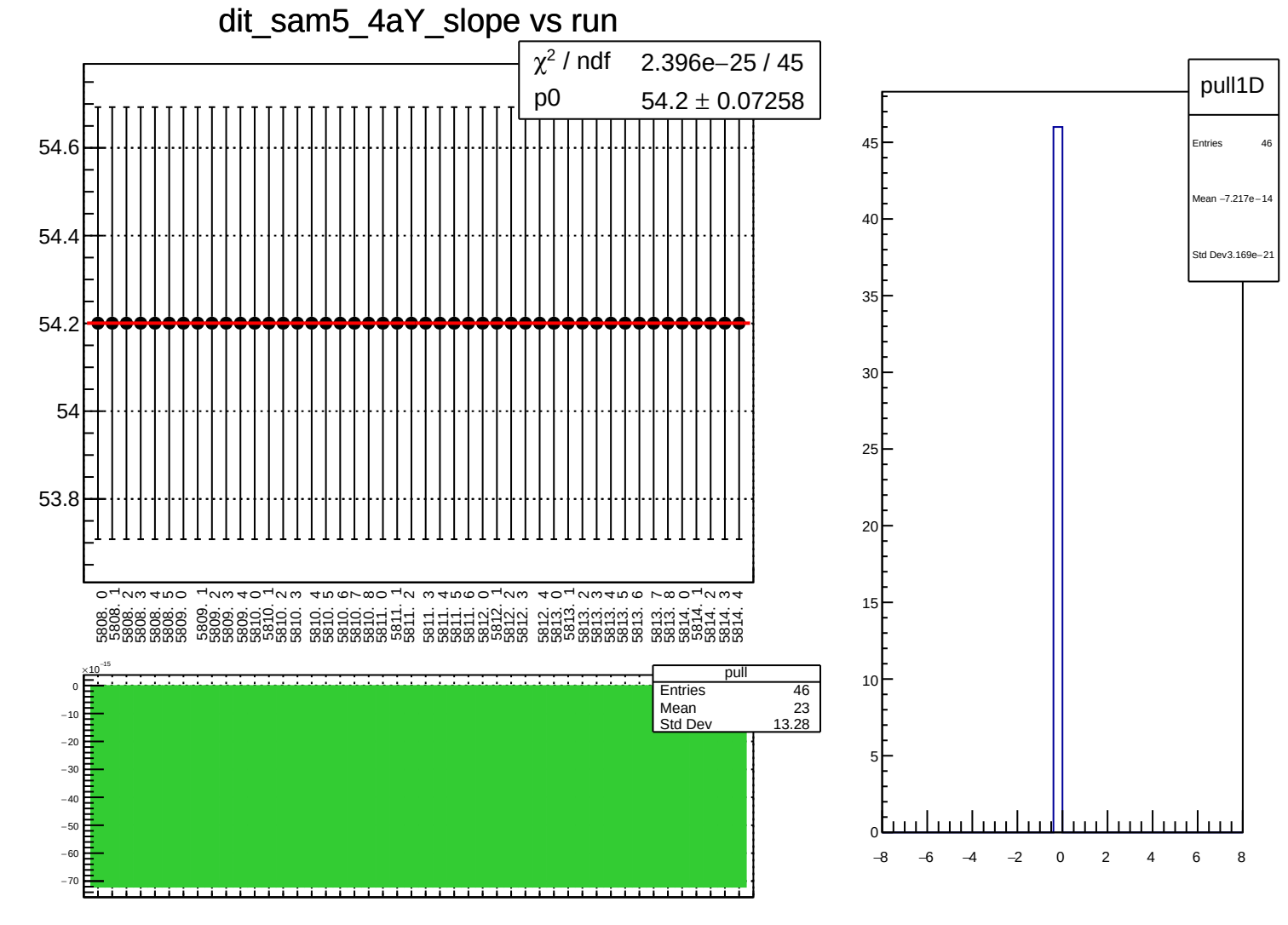

dit_sam4_4eY_slope vs run
χ^2 / ndf 2.936e−26 / 45
p0 159.4 ± 0.1659
160.5
160
159.5
159
158.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.526e−14
Std Dev 8.984e−22
45
40
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 1.155e−27 / 45
p0 1.146 ± 0.03267
1.4
1.3
1.2
1.1
1
0.9
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 5.011e−15
Std Dev1.297e−22
45
40
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 7.079e−27 / 45
p0 2.003 ± 0.03167
2.2
2.1
2
1.9
1.8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻±⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean −1.241e−14
Std Dev 2.995e−22
45
40
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 0 / 45
p0 0.03012 ± 0.006614
0.08
0.06
0.04
0.02
0
−0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 46
Mean 0
Std Dev 0
45
40
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 2.396e−25 / 45
p0 54.2 ± 0.07258
54.6
54.4
54.2
54
53.8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −7.217e−14
Std Dev3.169e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
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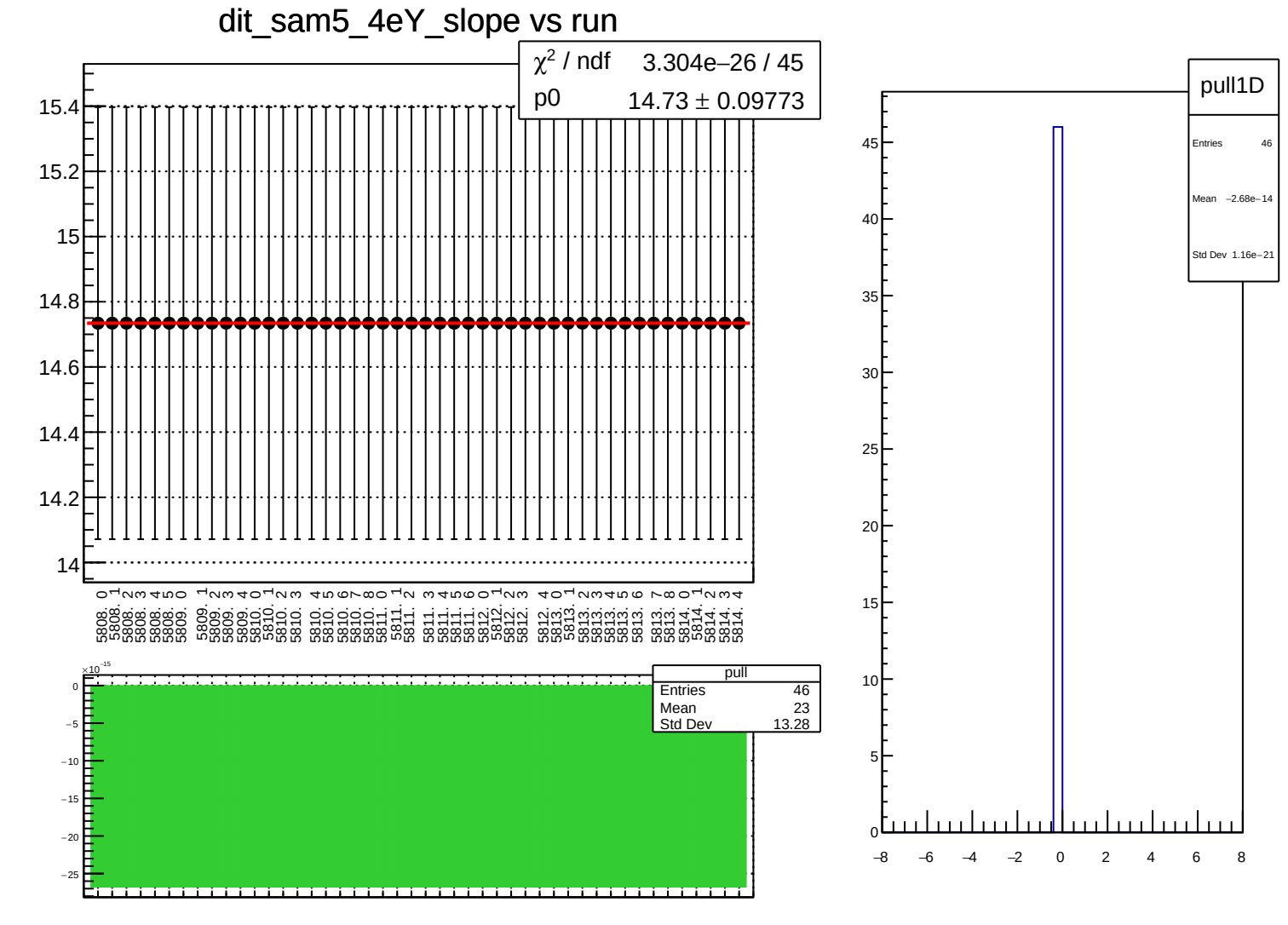
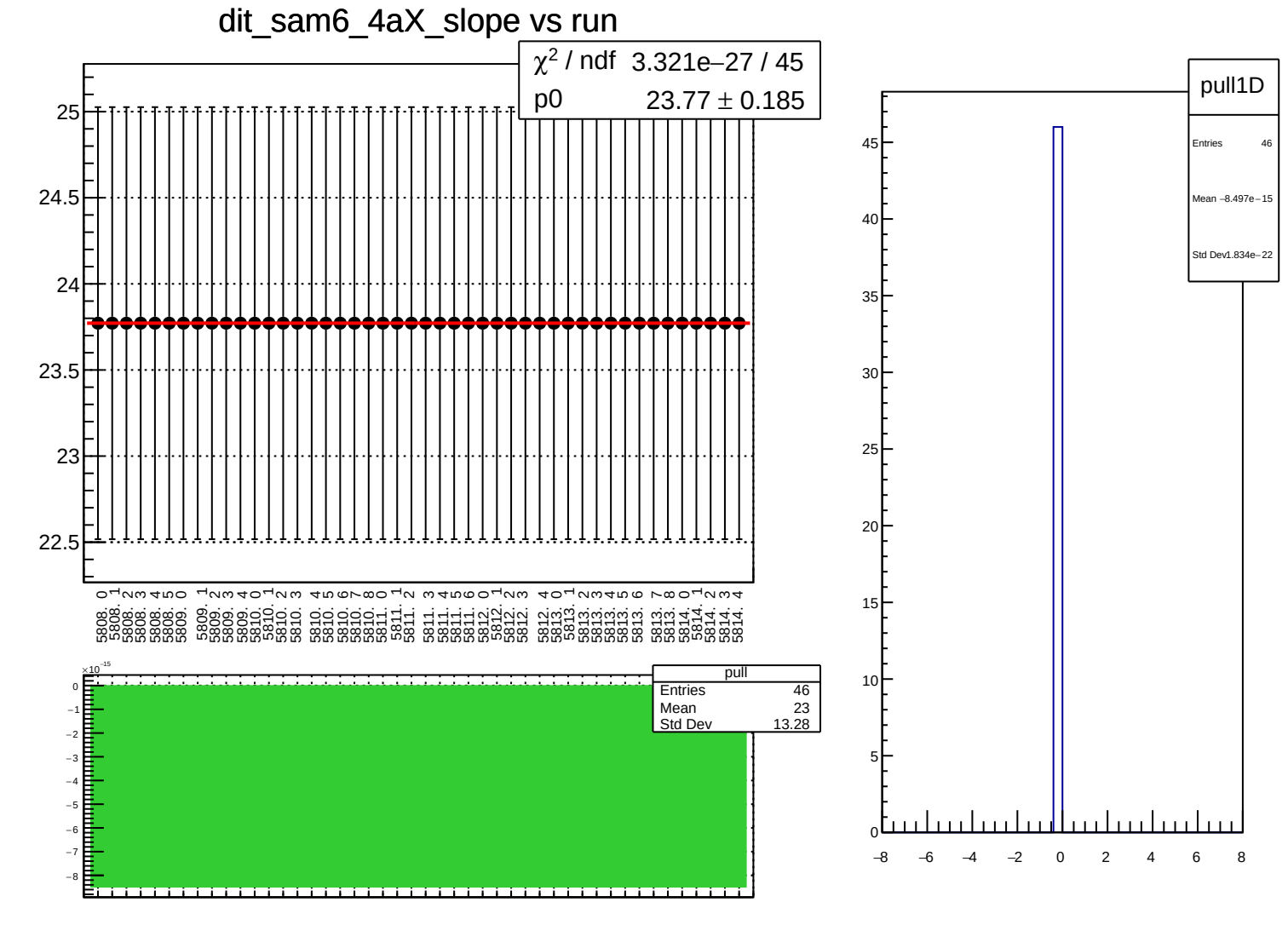
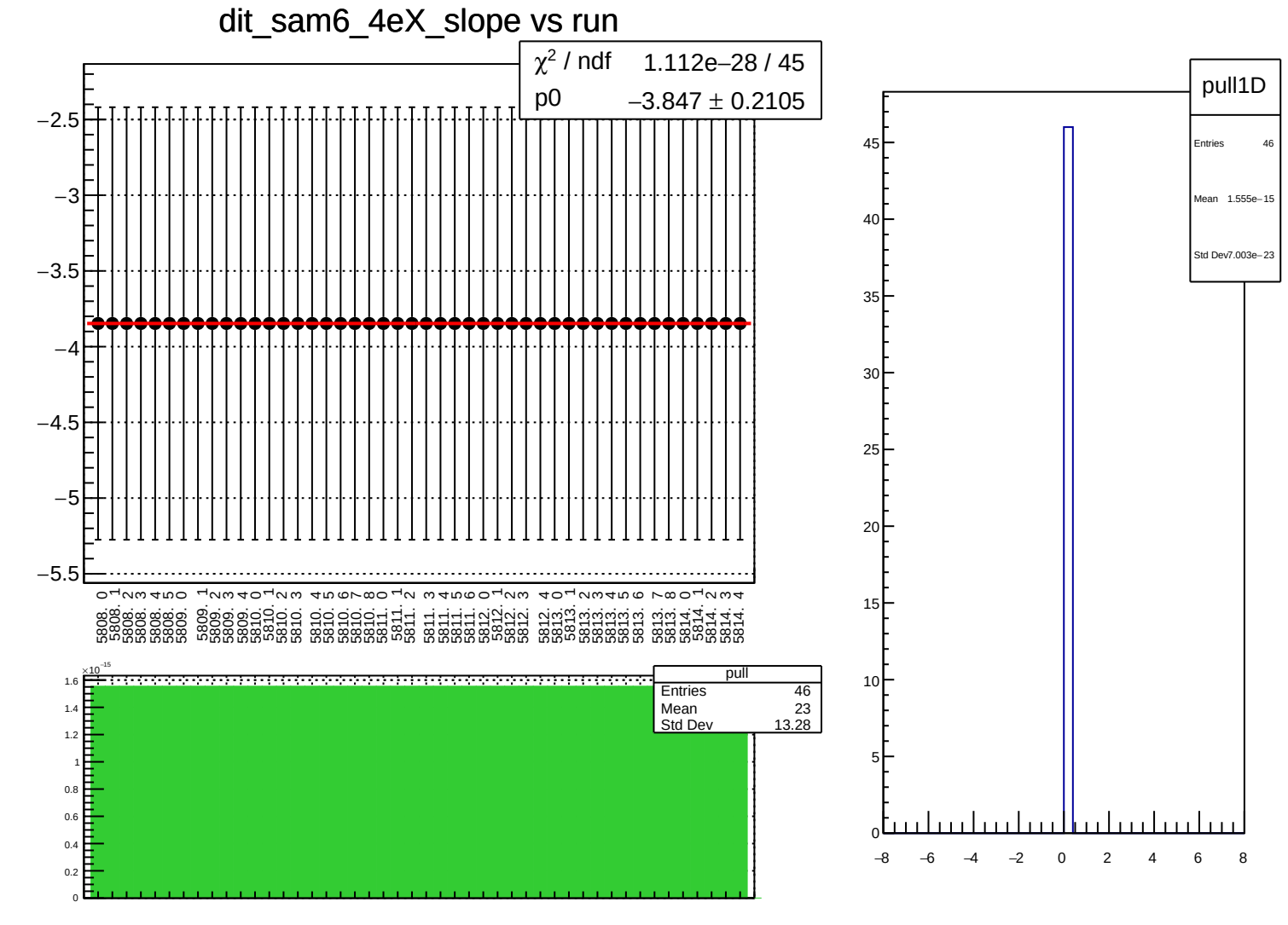
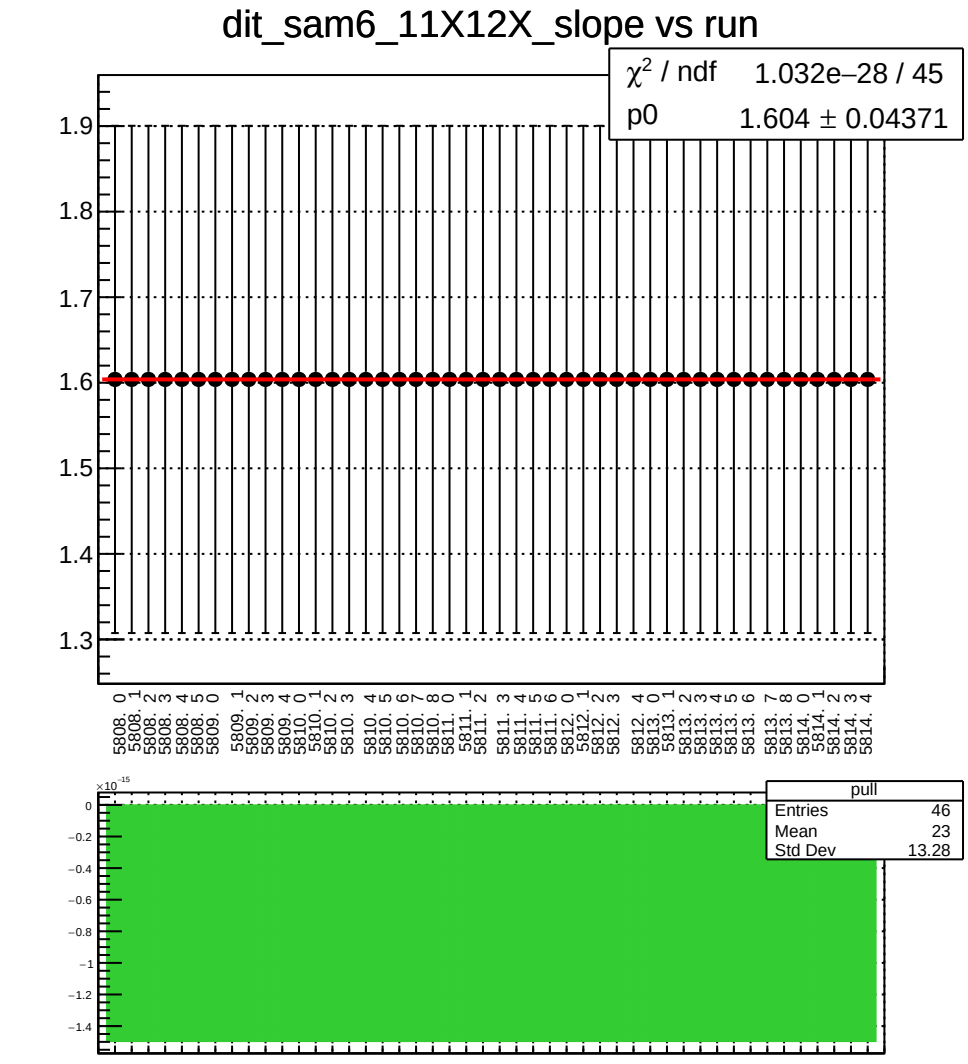
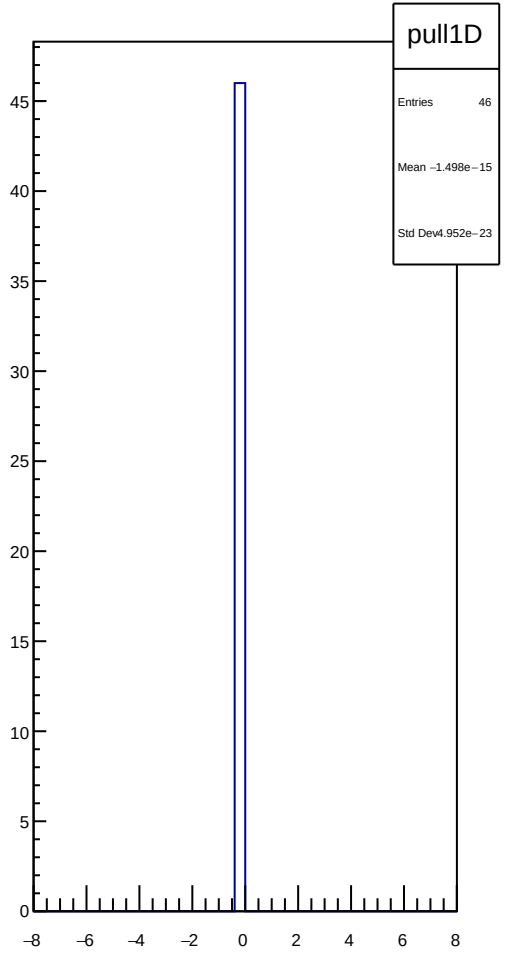
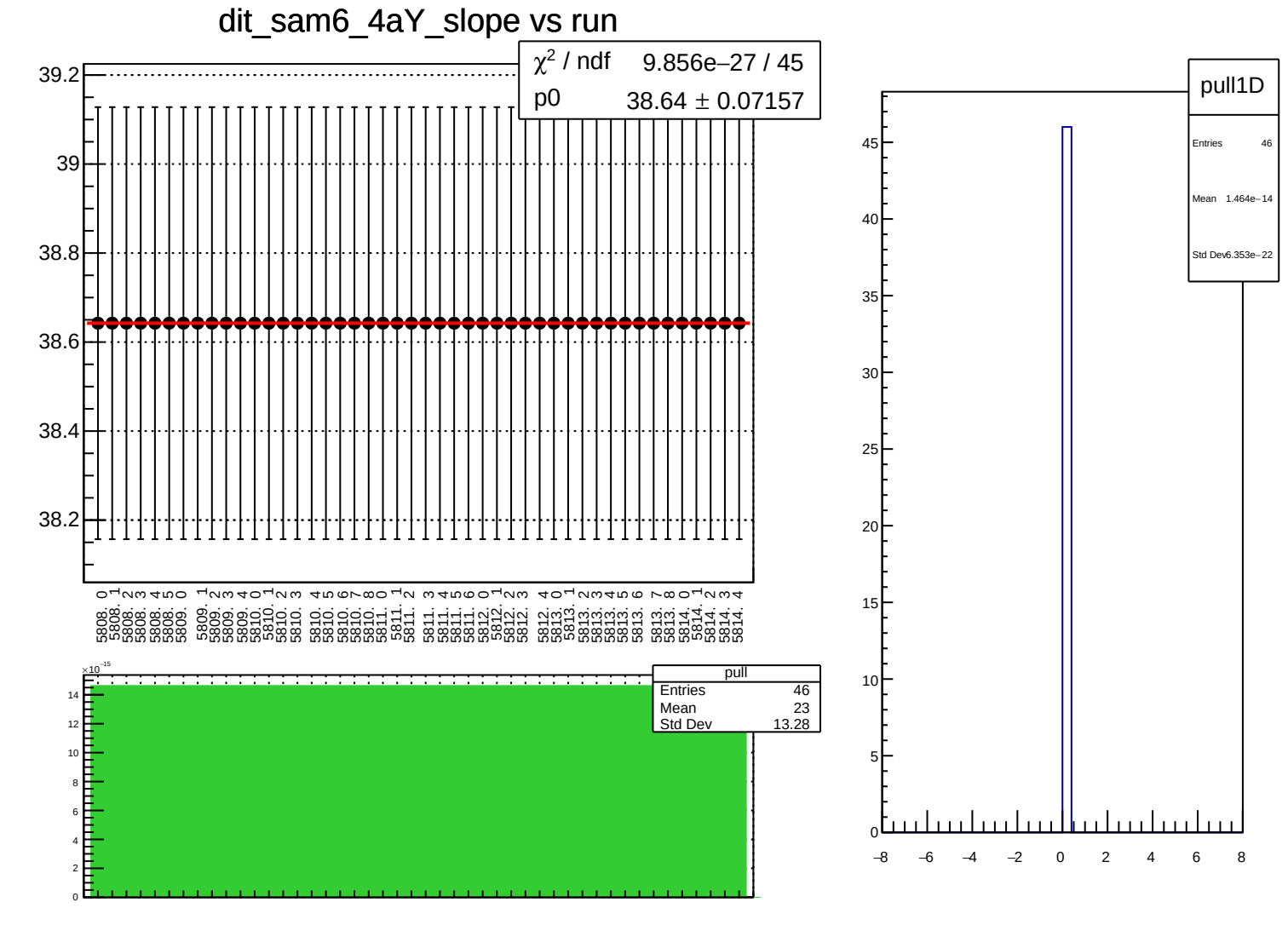

dit_sam5_4eY_slope vs run
χ² / ndf 3.304e−26 / 45
p0 14.73 ± 0.09773
15.4
15.2
15
14.8
14.6
14.4
14.2
14
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.68e−14
Std Dev 1.16e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

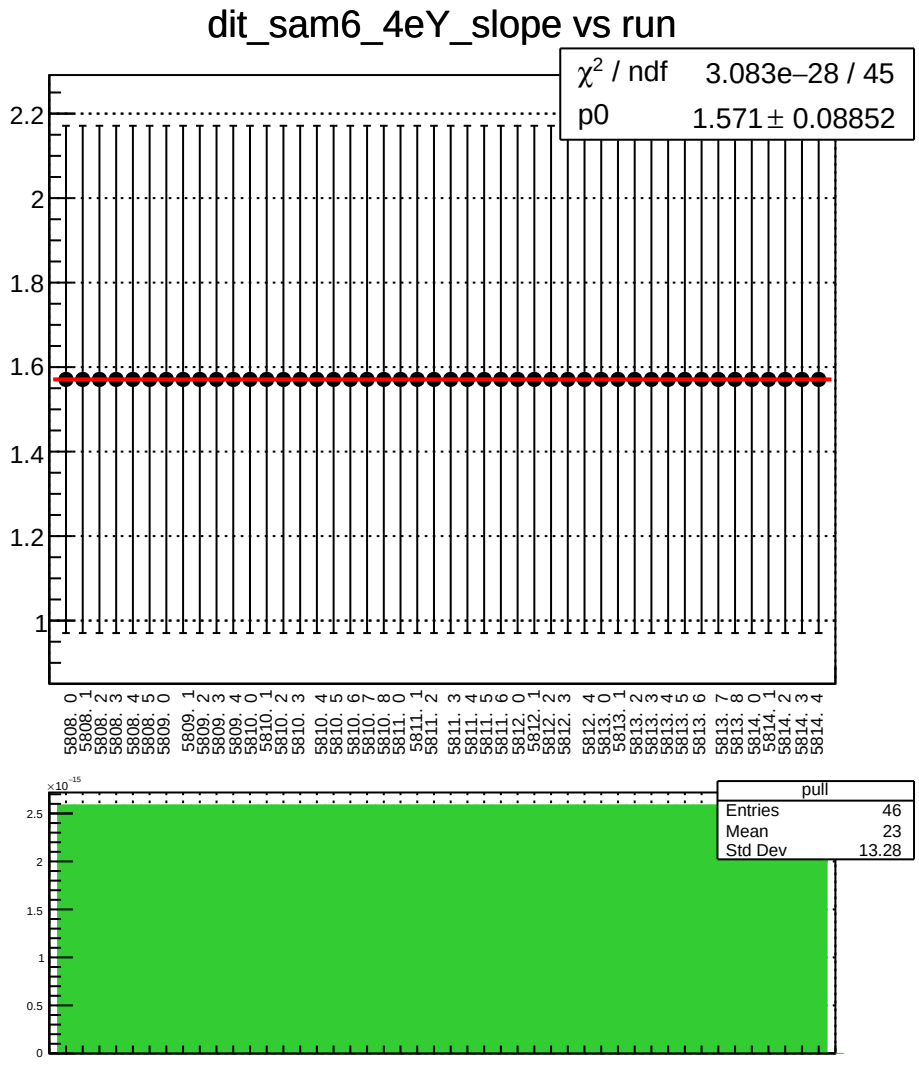

dit_sam6_4aX_slope vs run
χ² / ndf 3.321e−27 / 45
p0 23.77 ± 0.185
25
24.5
24
23.5
23
22.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −8.497e−15
Std Dev1.834e−22
45
40
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 1.112e−28 / 45
p0 −3.847 ± 0.2105
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.555e−15
Std Dev7.003e−23
45
40
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 1.032e−28 / 45
p0 1.604 ± 0.04371
1.9
1.8
1.7
1.6
1.5
1.4
1.3
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻�15
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean −1.498e−15
Std Dev4.952e−23
45
40
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 9.856e−27 / 45
p0 38.64 ± 0.07157
39.2
39
38.8
38.6
38.4
38.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.464e−14
Std Dev 6.353e−22
45
40
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 3.083e−28 / 45
p0 1.571 ± 0.08852
2.2
2
1.8
1.6
1.4
1.2
1
5808. 0
5808. 1
5808. 2
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5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
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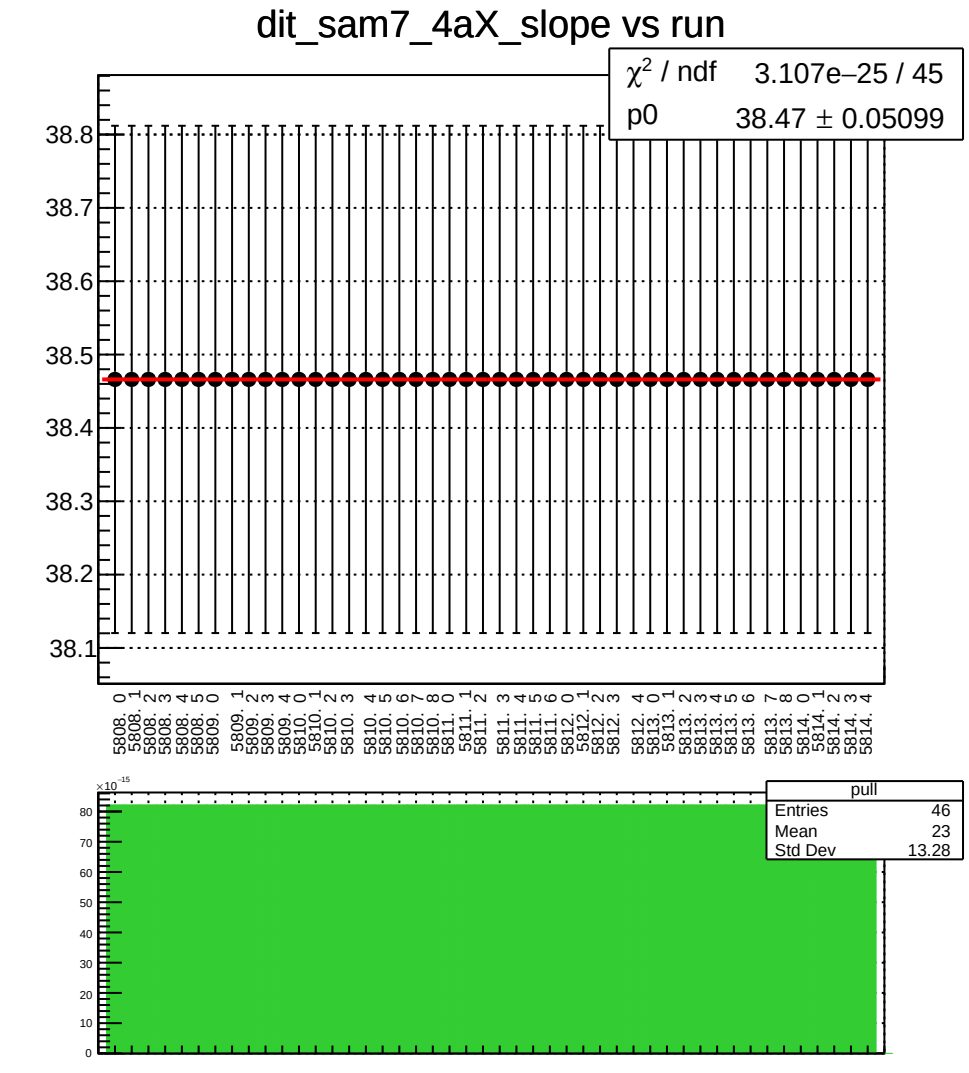
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 2.589e−15
Std Dev1.242e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4aX_slope vs run
χ² / ndf 3.107e−25 / 45
p0 38.47 ± 0.05099
38.8
38.7
38.6
38.5
38.4
38.3
38.2
38.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
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5813. 2
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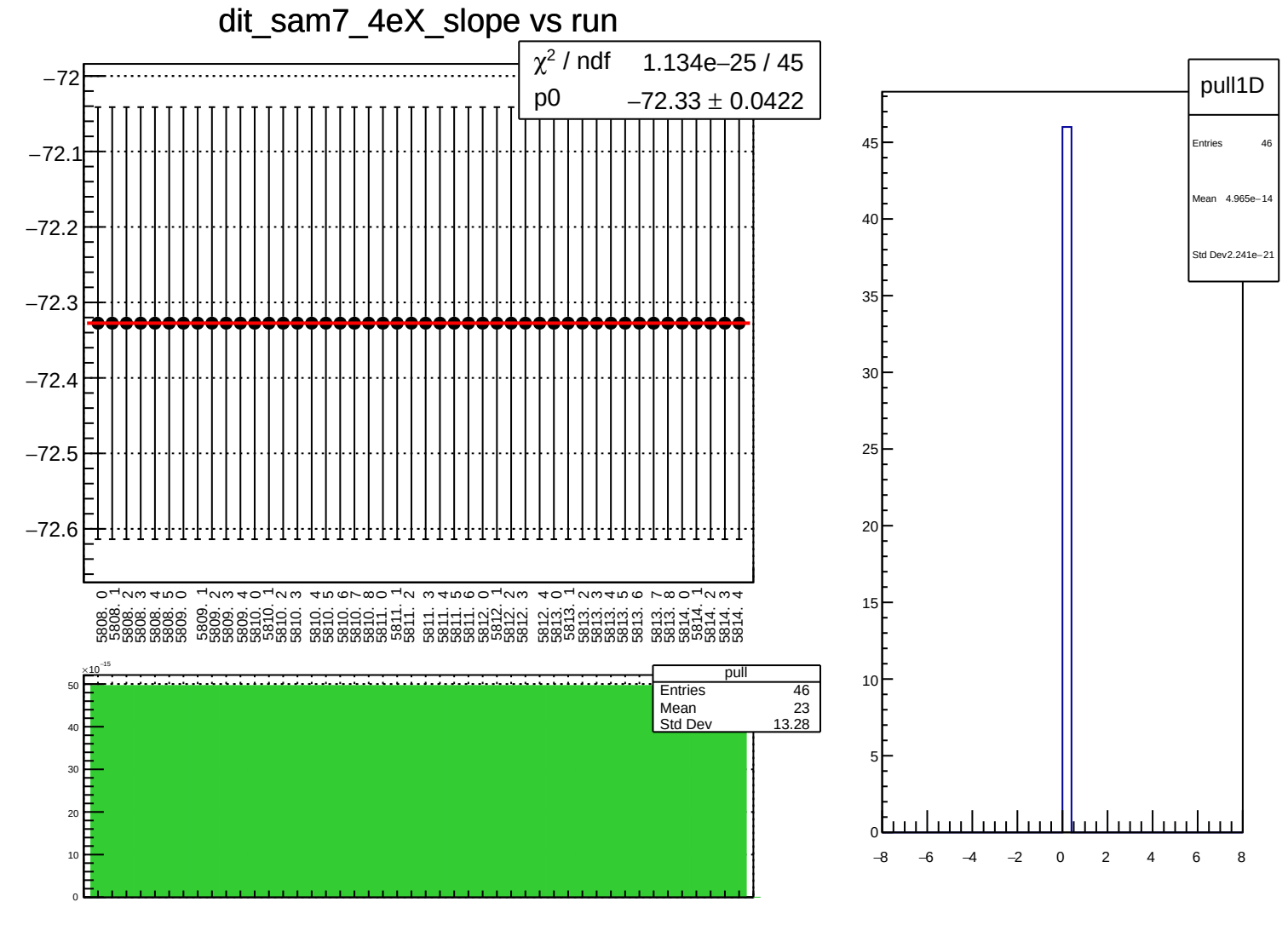
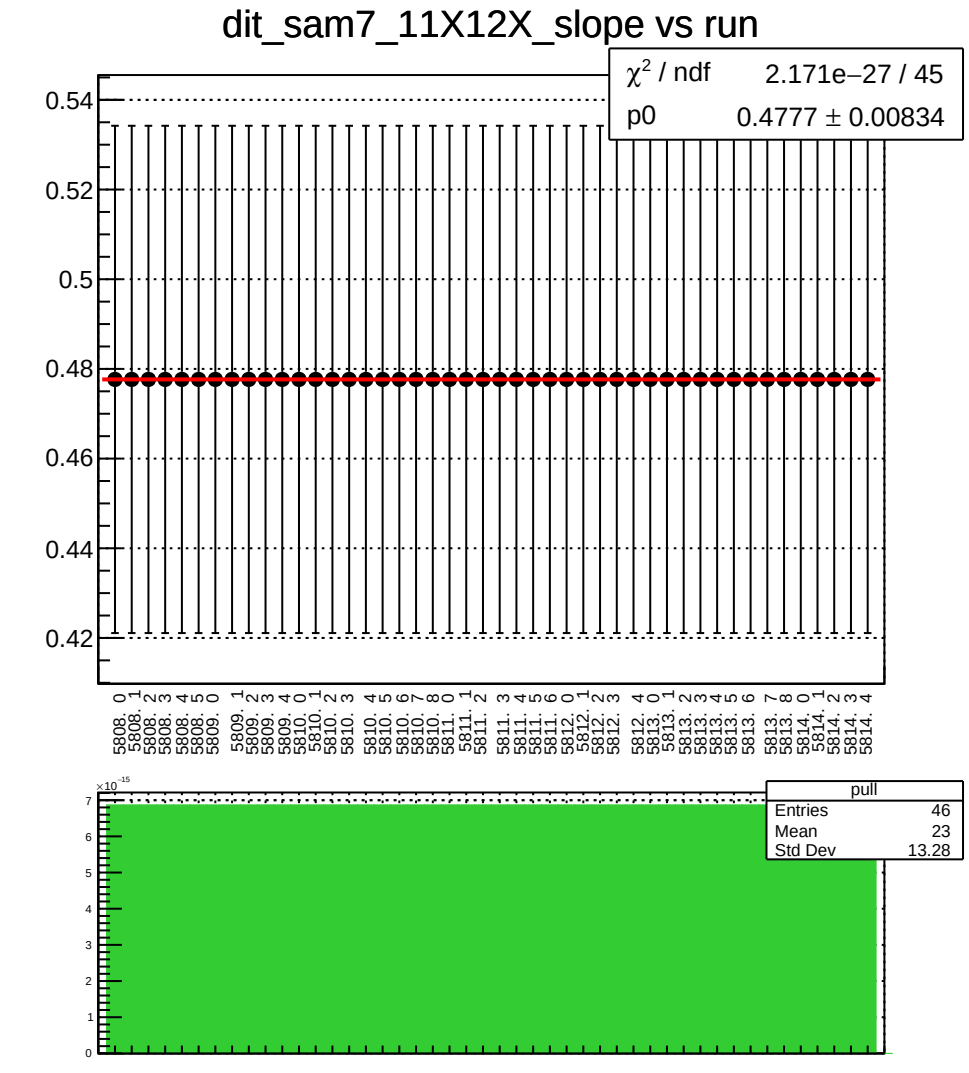
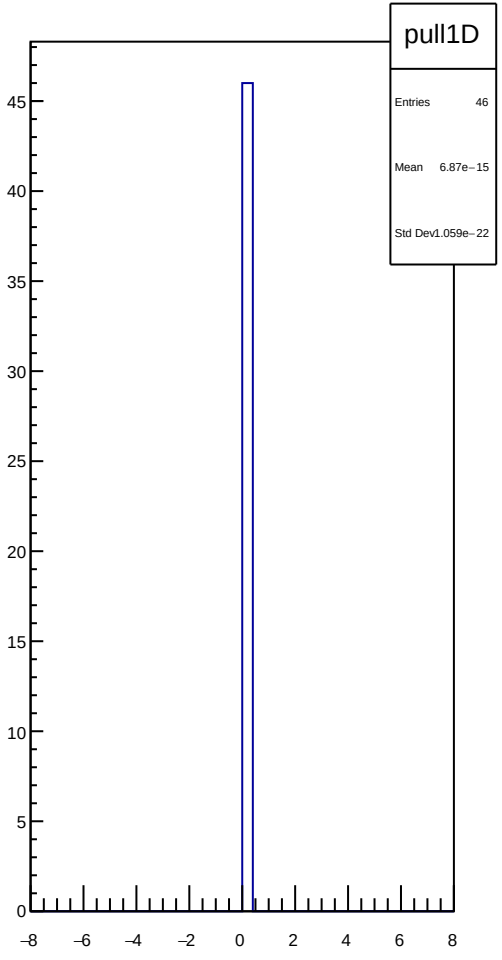
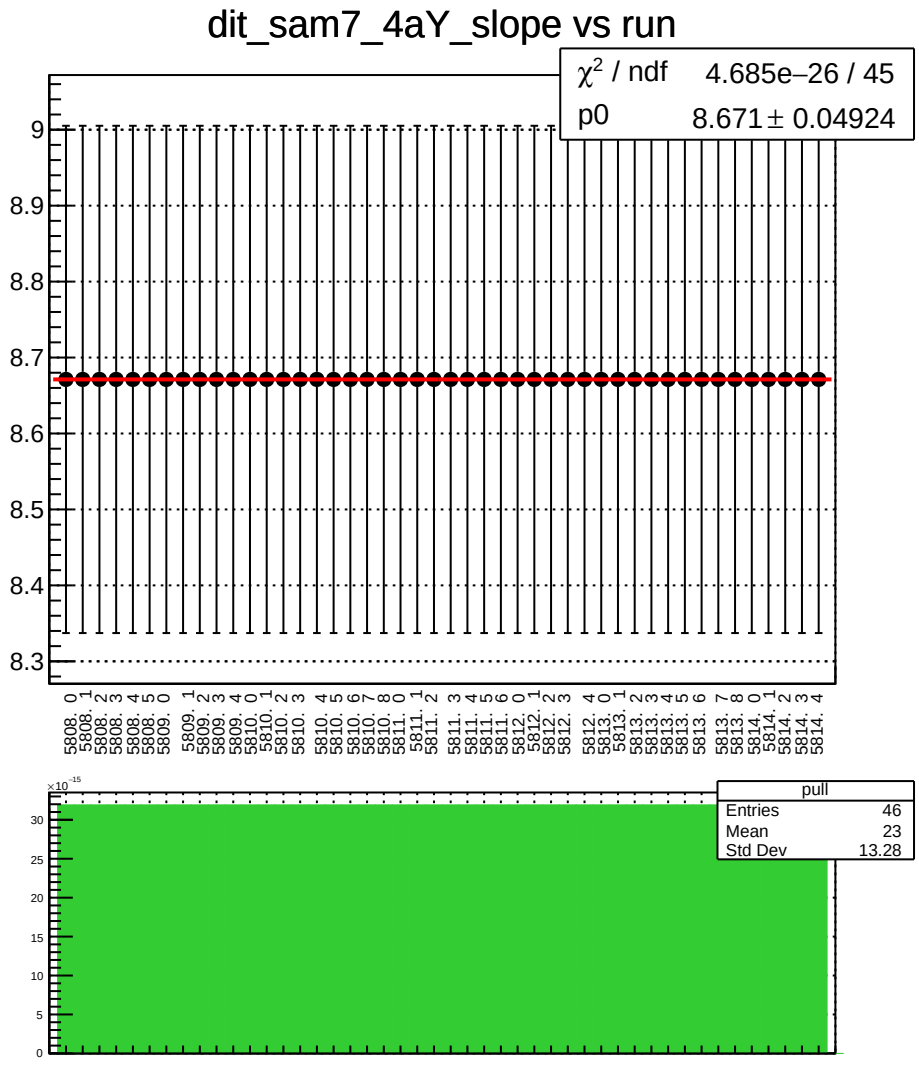
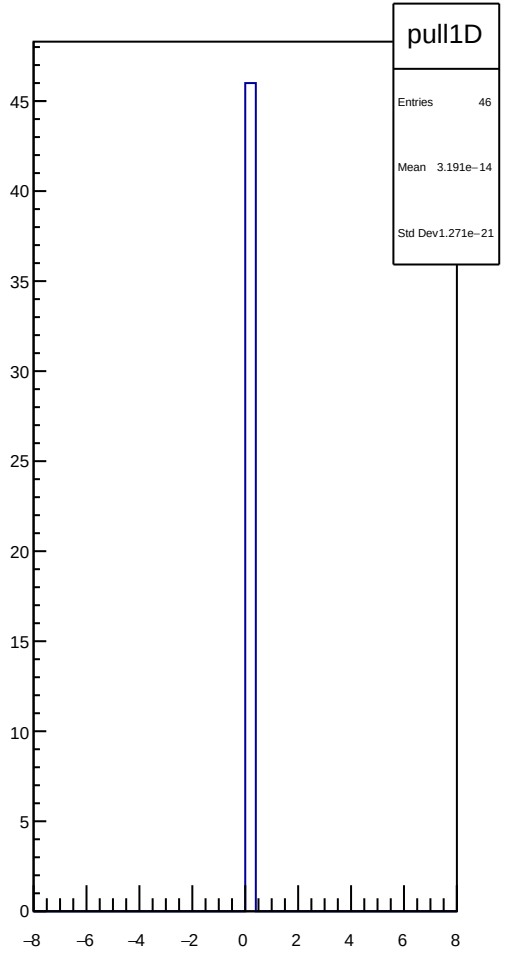
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 8.219e−14
Std Dev3.169e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4eX_slope vs run
χ² / ndf 1.134e−25 / 45
p0 −72.33 ± 0.0422
−72
−72.1
−72.2
−72.3
−72.4
−72.5
−72.6
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 4.965e−14
Std Dev2.241e−21
45
40
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 2.171e−27 / 45
p0 0.4777 ± 0.00834
0.54
0.52
0.5
0.48
0.46
0.44
0.42
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 6.87e−15
Std Dev1.059e−22


dit_sam7_4aY_slope vs run
χ² / ndf 4.685e−26 / 45
p0 8.671 ± 0.04924
9
8.9
8.8
8.7
8.6
8.5
8.4
8.3
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 3.191e−14
Std Dev1.271e−21
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35
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20
15
10
5
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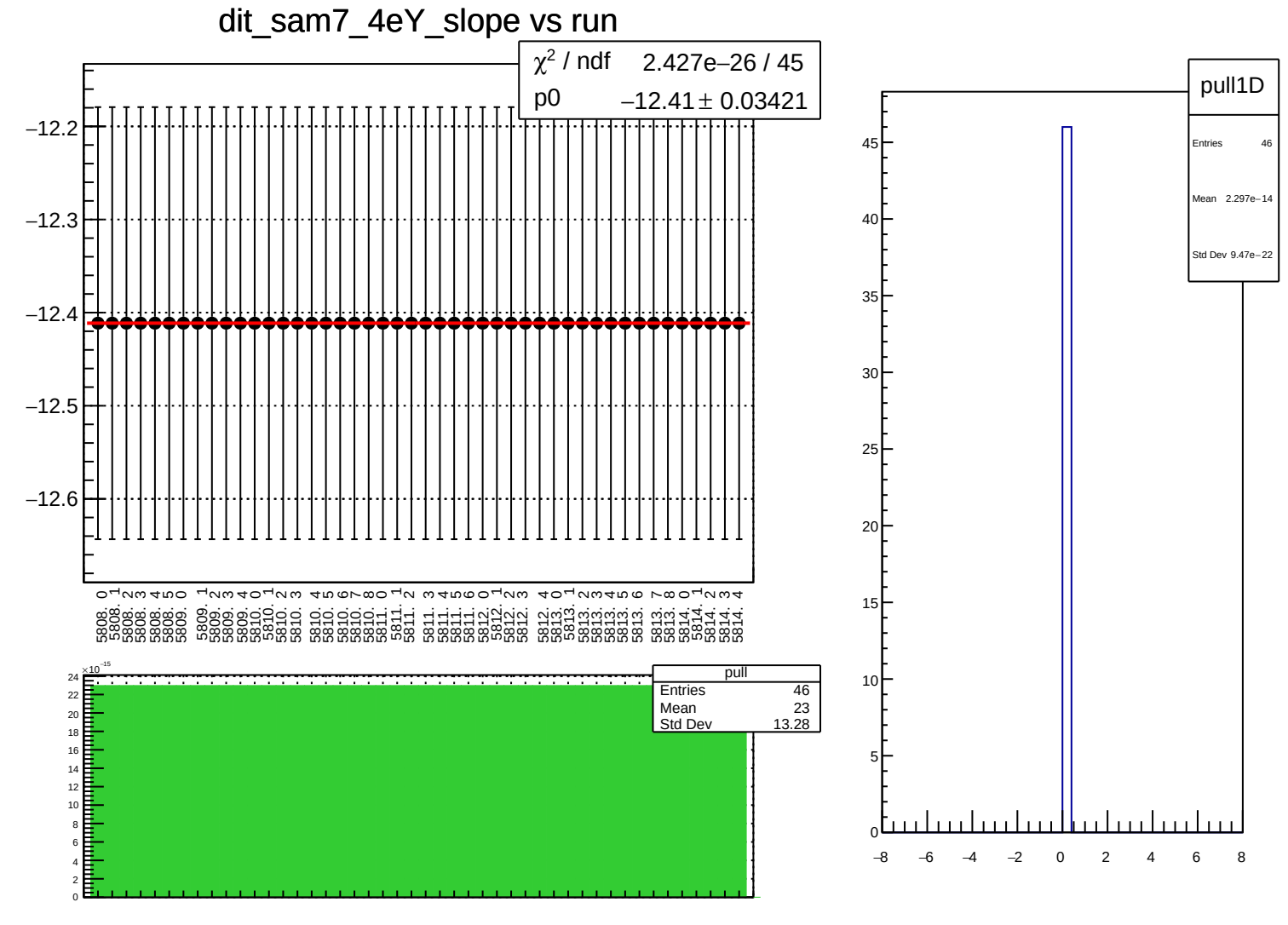
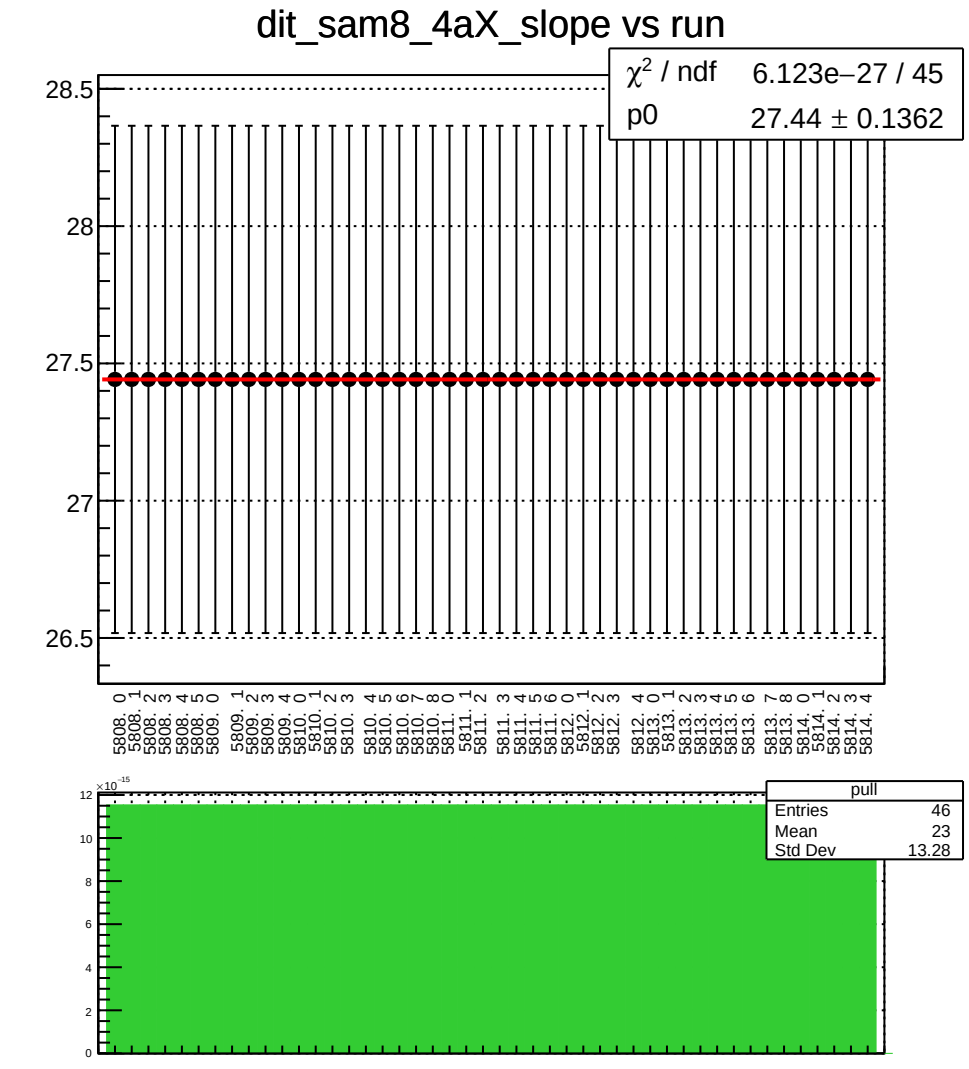
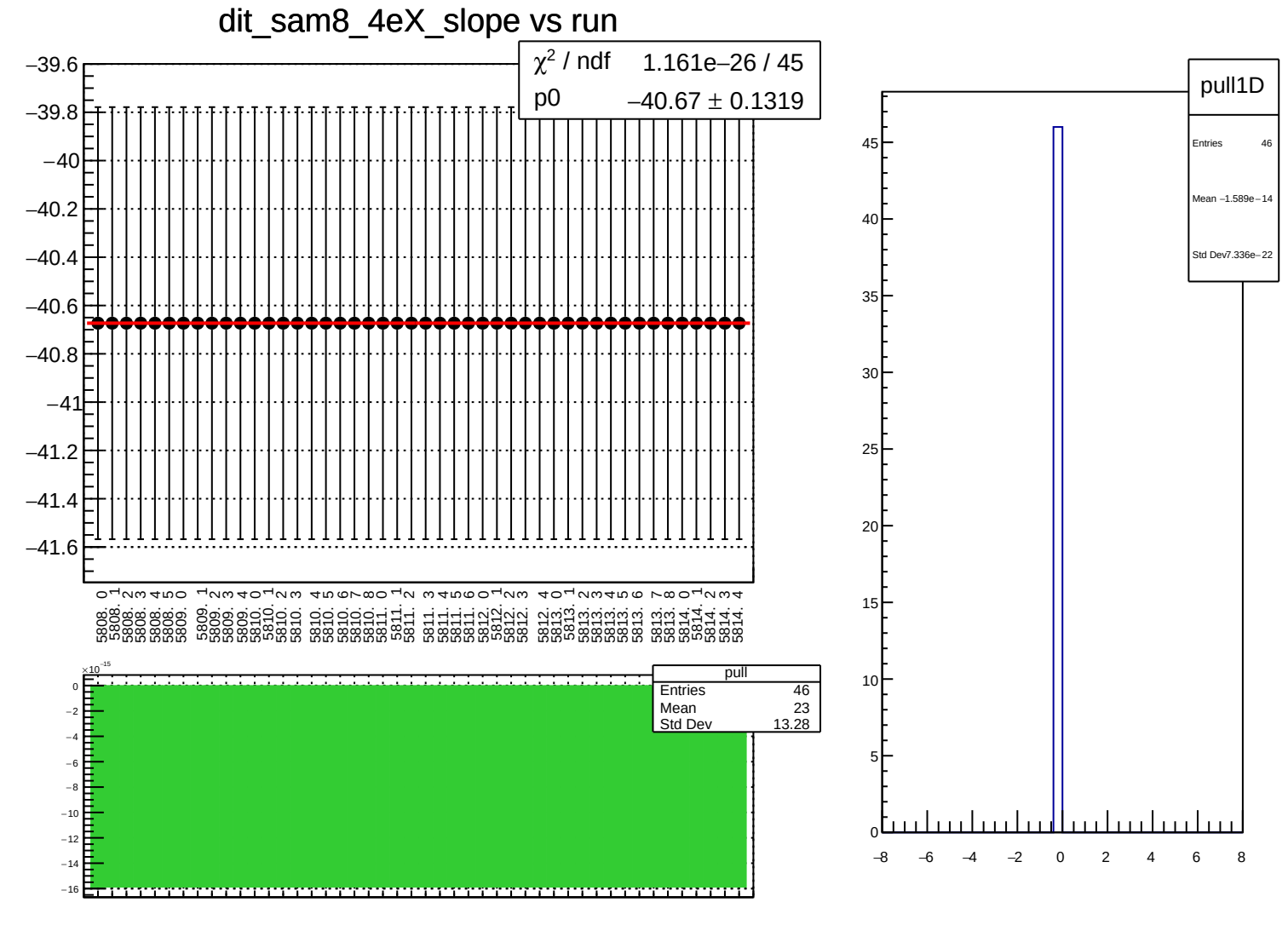
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4eY_slope vs run
χ² / ndf 2.427e−26 / 45
p0 −12.41 ± 0.03421
−12.2
−12.3
−12.4
−12.5
−12.6
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 2.297e−14
Std Dev 9.47e−22


dit_sam8_4aX_slope vs run
χ² / ndf 6.123e−27 / 45
p0 27.44 ± 0.1362
28.5
28
27.5
27
26.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.154e−14
Std Dev 2.593e−22
45
40
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 1.161e−26 / 45
p0 −40.67 ± 0.1319
−39.6
−39.8
−40
−40.2
−40.4
−40.6
−40.8
−41
−41.2
−41.4
−41.6
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.589e−14
Std Dev7.336e−22
45
40
35
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25
20
15
10
5
0
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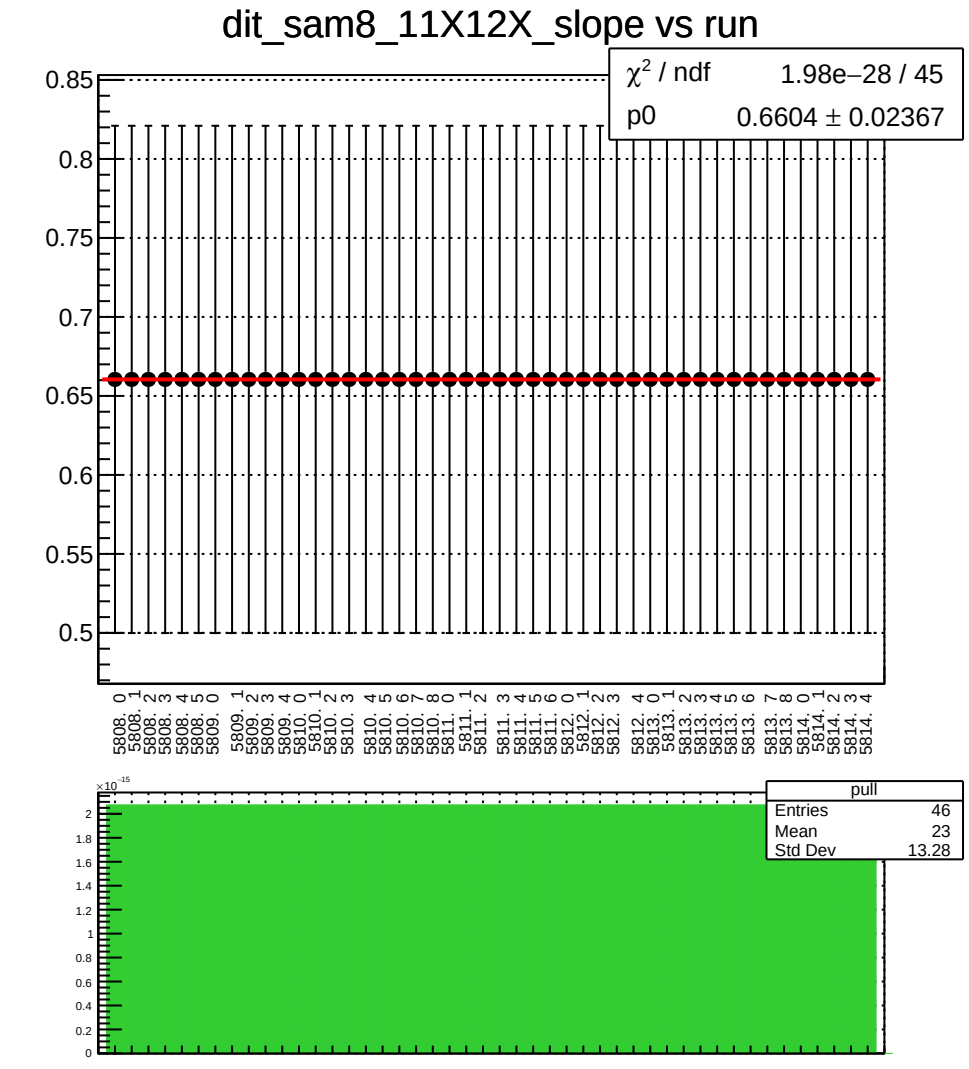
−6
−4
−2
0
2
4
6
8


dit_sam8_11X12X_slope vs run
χ² / ndf 1.98e−28 / 45
p0 0.6604 ± 0.02367
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
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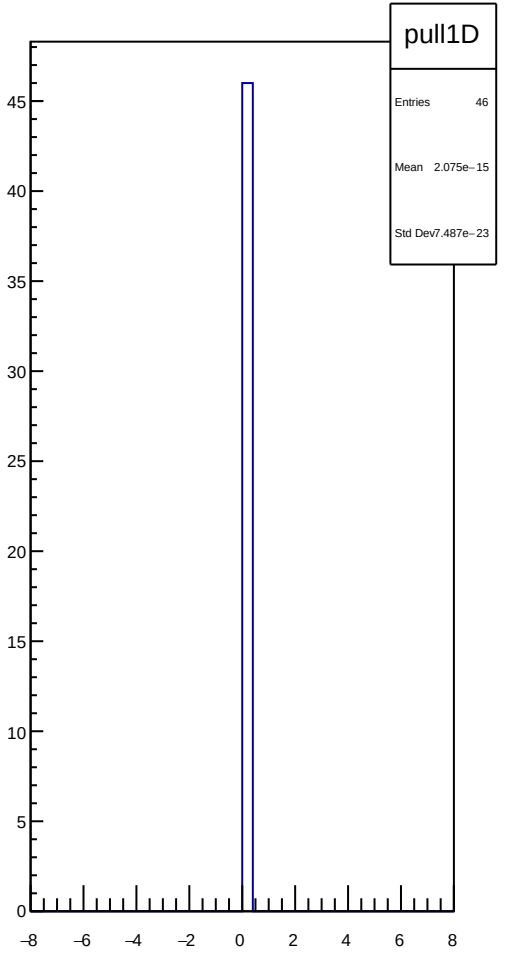
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 2.075e−15
Std Dev7.487e−23
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20
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10
5
0
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−6
−4
−2
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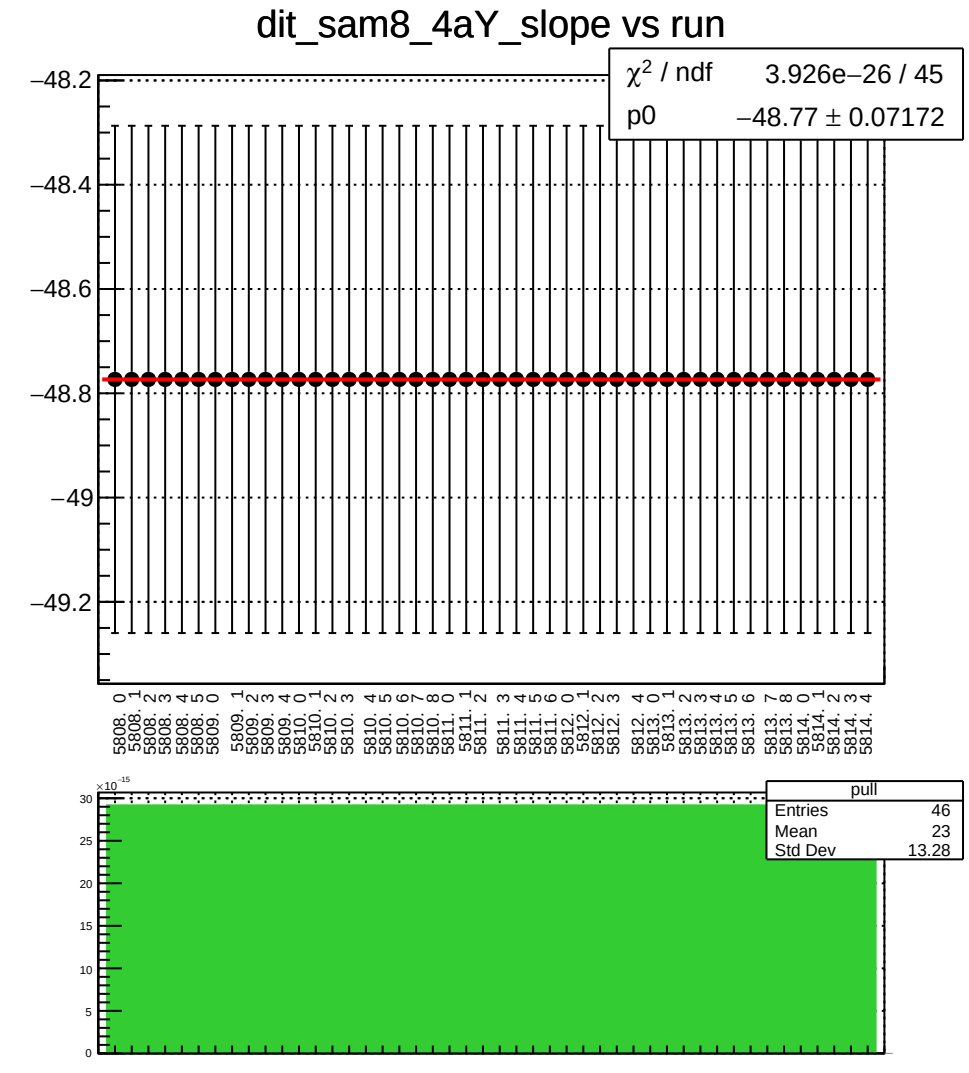
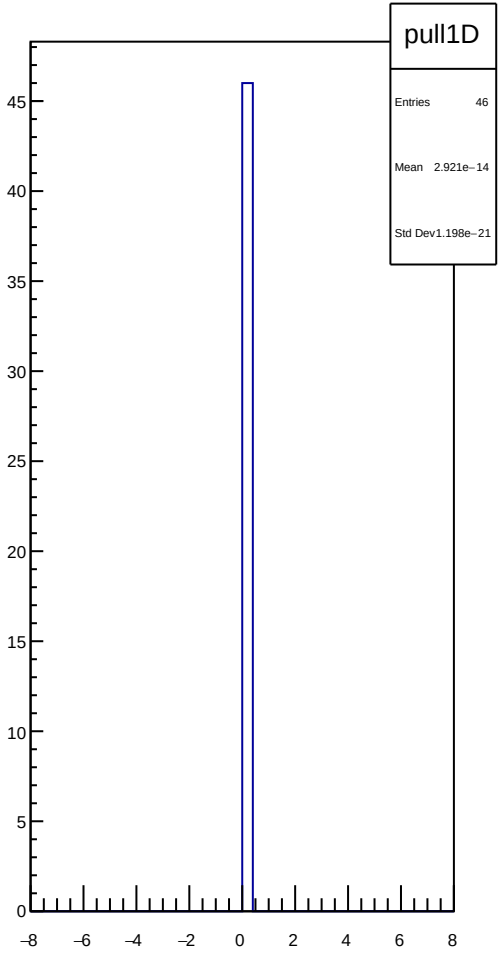
2
4
6
8


dit_sam8_4aY_slope vs run
χ² / ndf 3.926e−26 / 45
p0 −48.77 ± 0.07172
−48.2
−48.4
−48.6
−48.8
−49
−49.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻�15
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 2.921e−14
Std Dev1.198e−21
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15
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−8
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−4
−2
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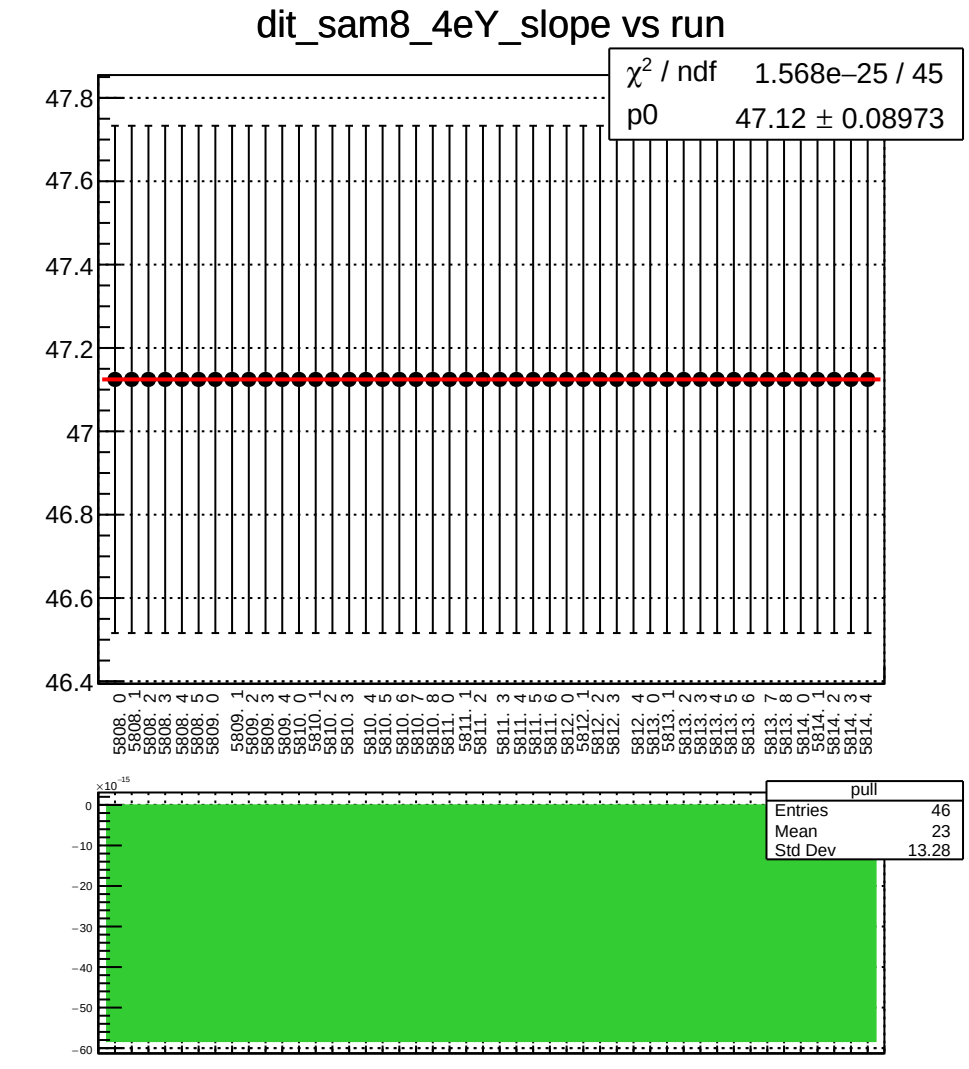
2
4
6
8


dit_sam8_4eY_slope vs run
χ² / ndf 1.568e−25 / 45
p0 47.12 ± 0.08973
47.8
47.6
47.4
47.2
47
46.8
46.6
46.4
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
×10⁻¹⁵
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−10
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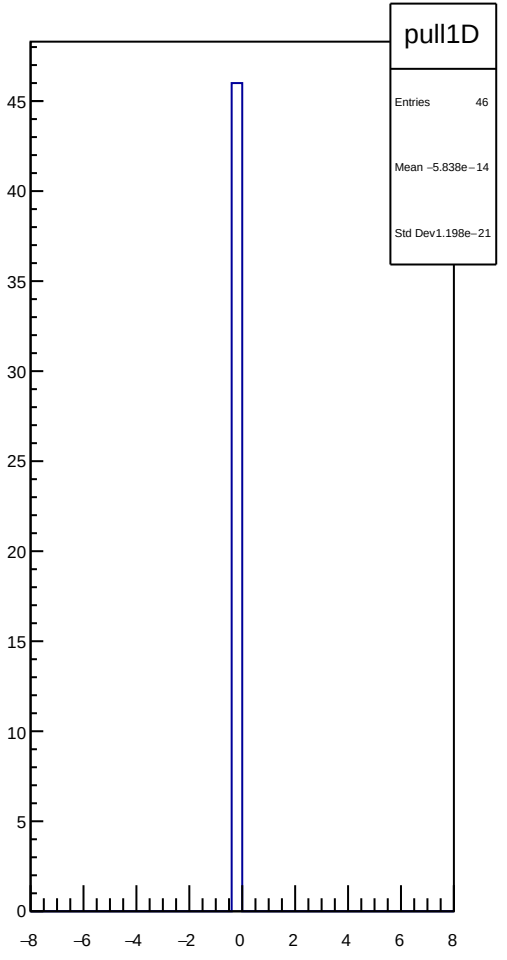
−40
−50
−60
pull
Entries 46
Mean 23
Std Dev 13.28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Mean −5.838e−14
Std Dev1.198e−21
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6
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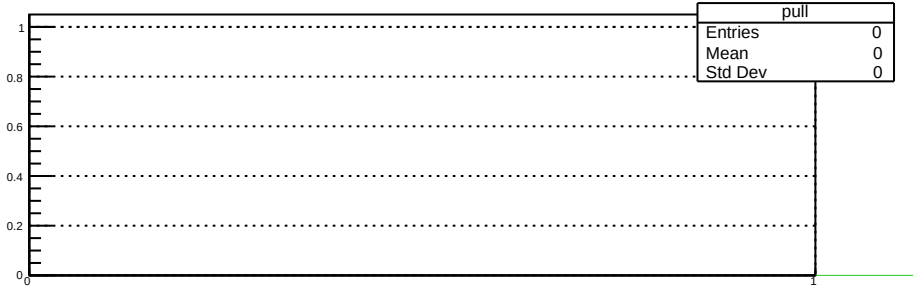
pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0
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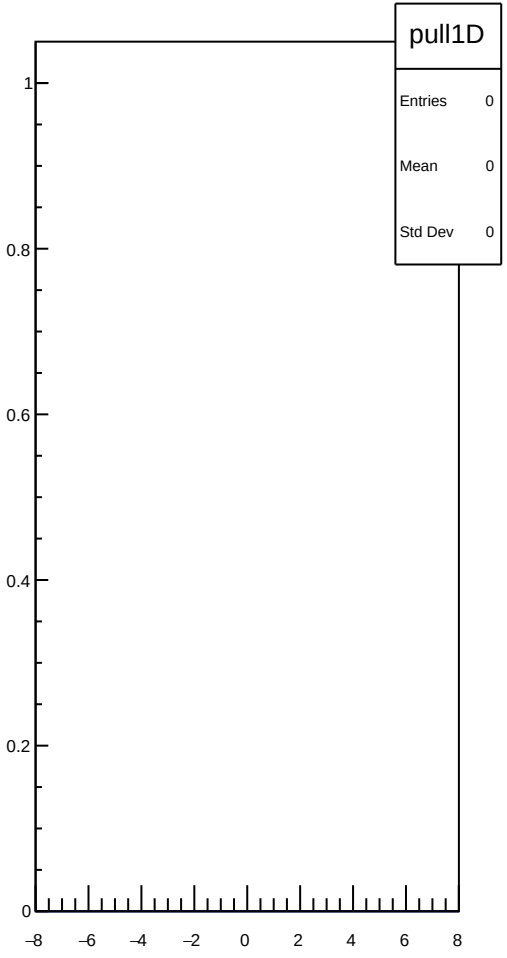
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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2
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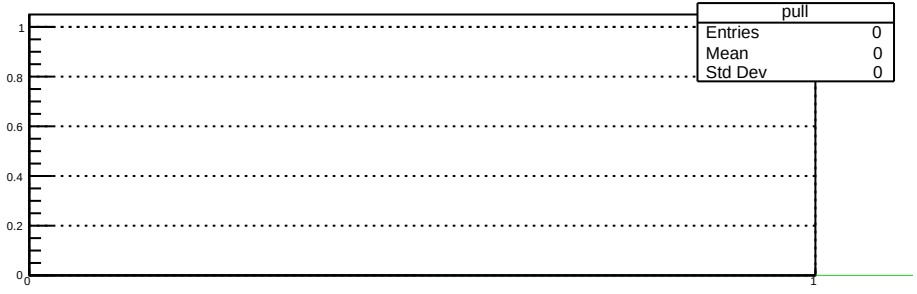
6
8


pull
Entries 0
Mean 0
Std Dev 0
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0.6
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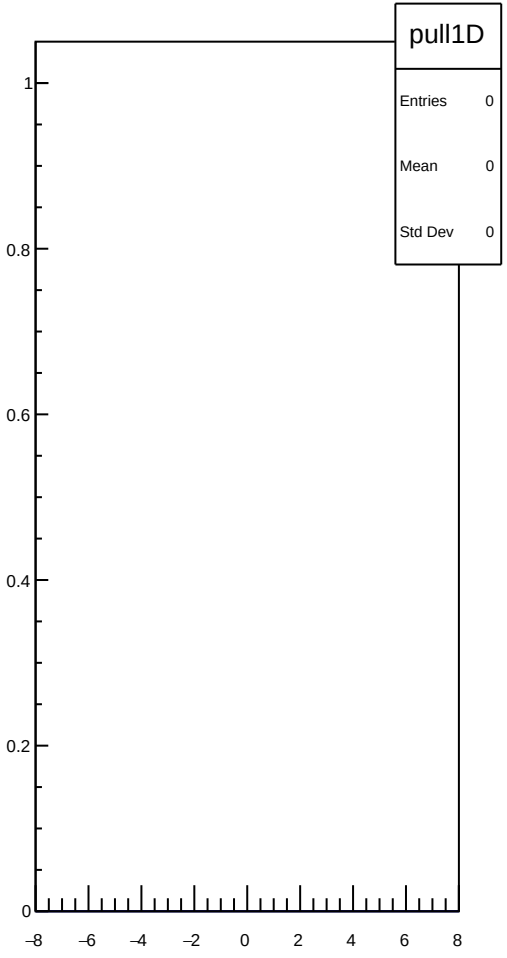
0
1


pull1D
Entries 0
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Std Dev 0
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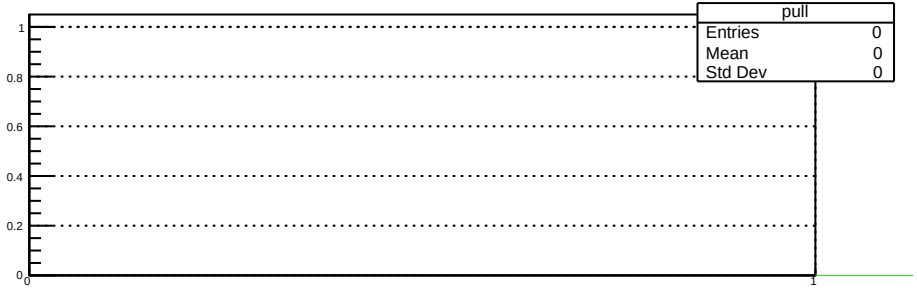
pull
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Mean 0
Std Dev 0
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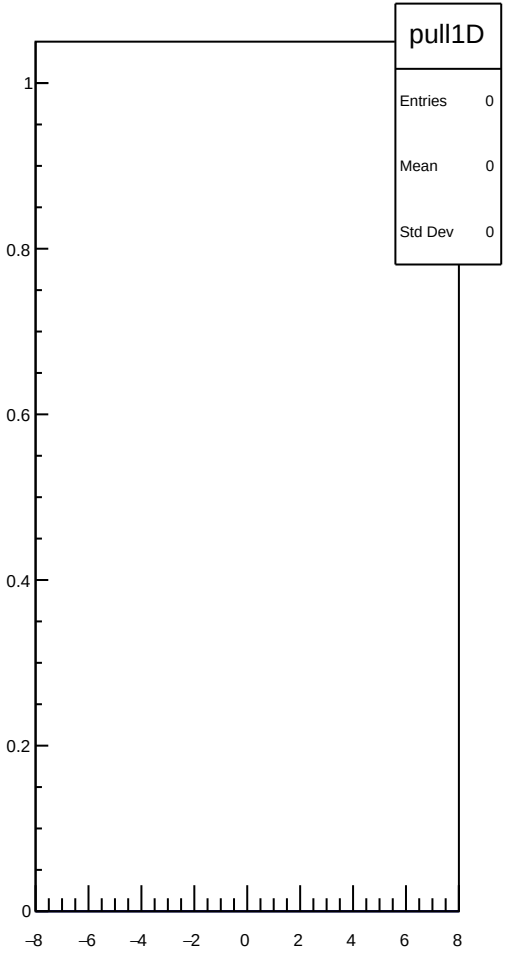
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
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2
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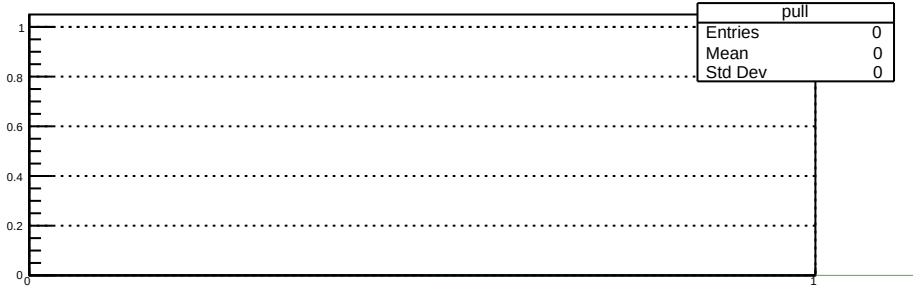
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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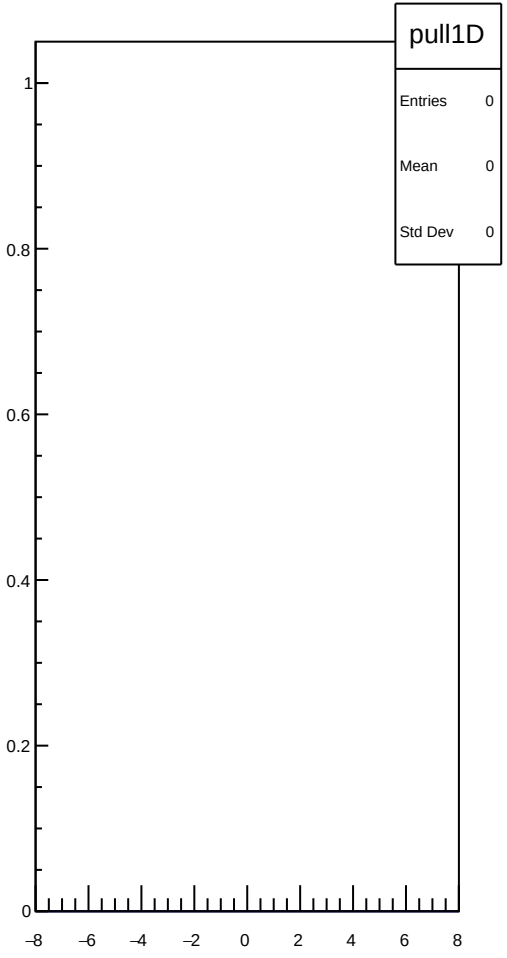
pull1D
Entries 0
Mean 0
Std Dev 0
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2
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6
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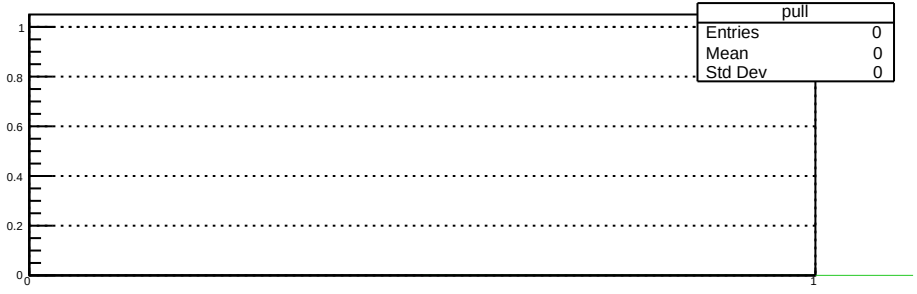
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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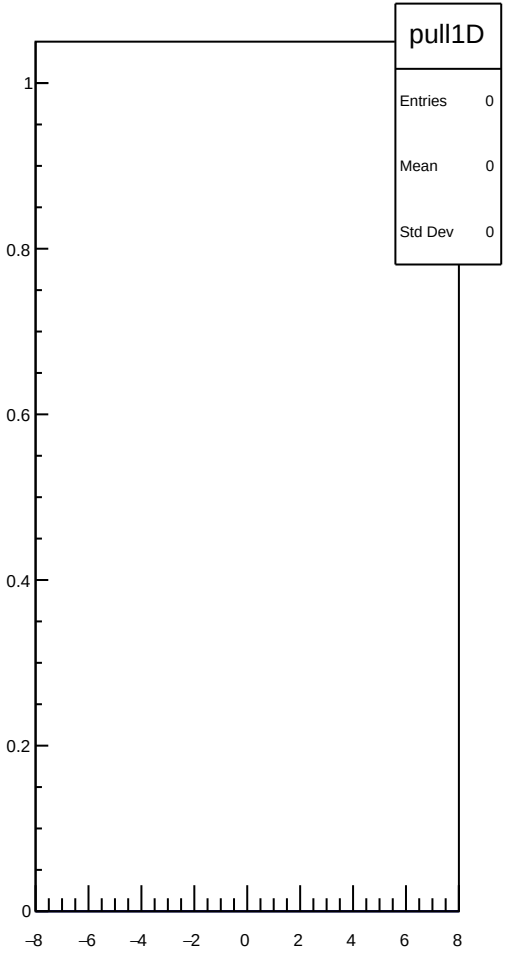
1


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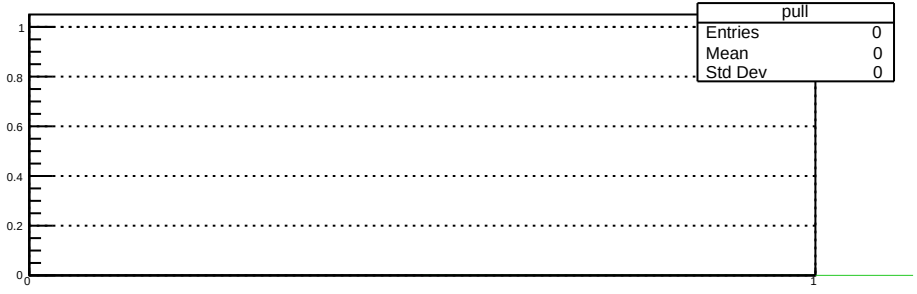
pull
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Mean 0
Std Dev 0
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0.6
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0
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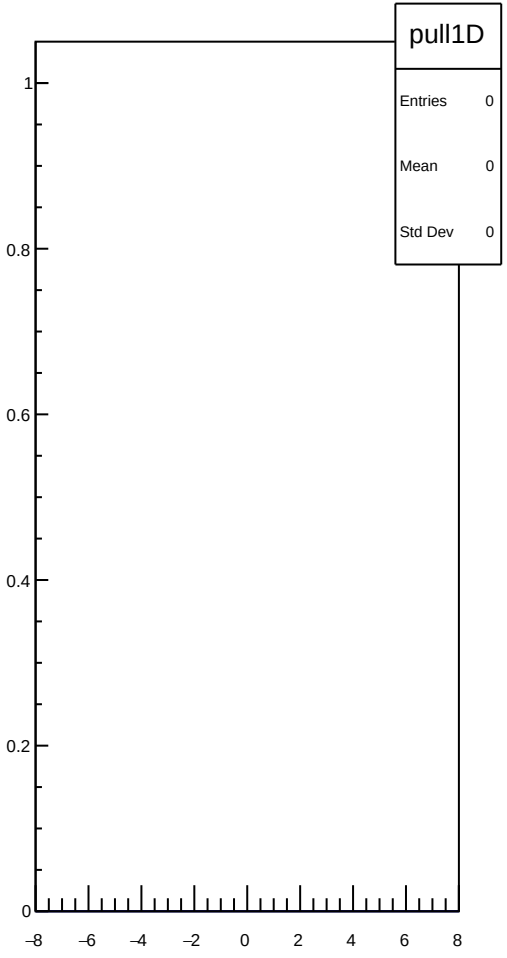
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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2
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6
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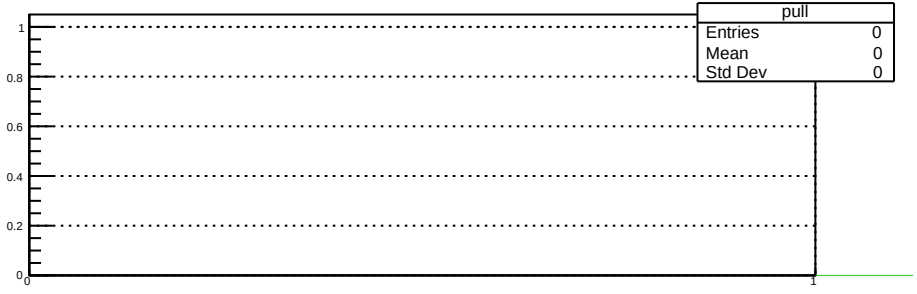
pull
Entries 0
Mean 0
Std Dev 0
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0.6
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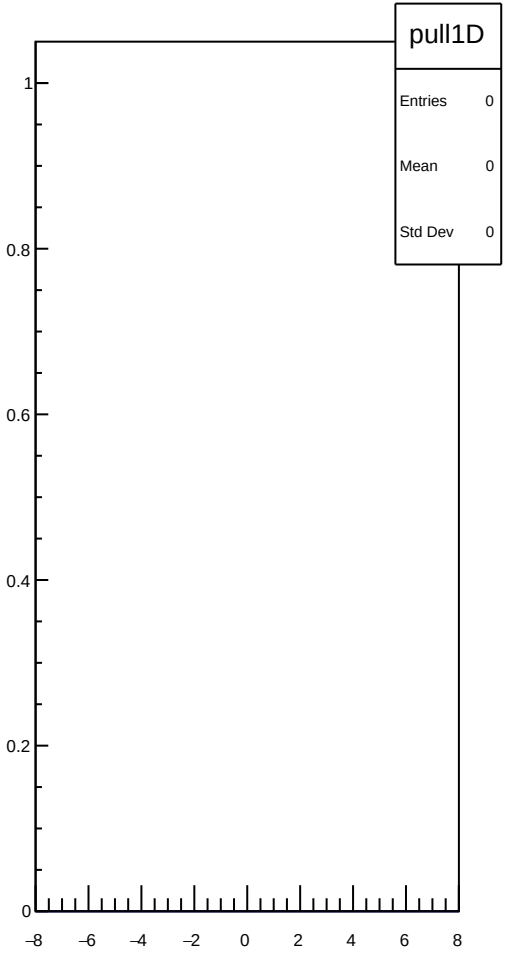
pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
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–4
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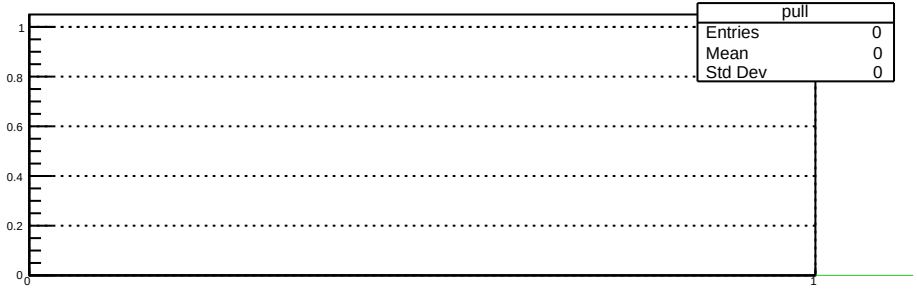
2
4
6
8


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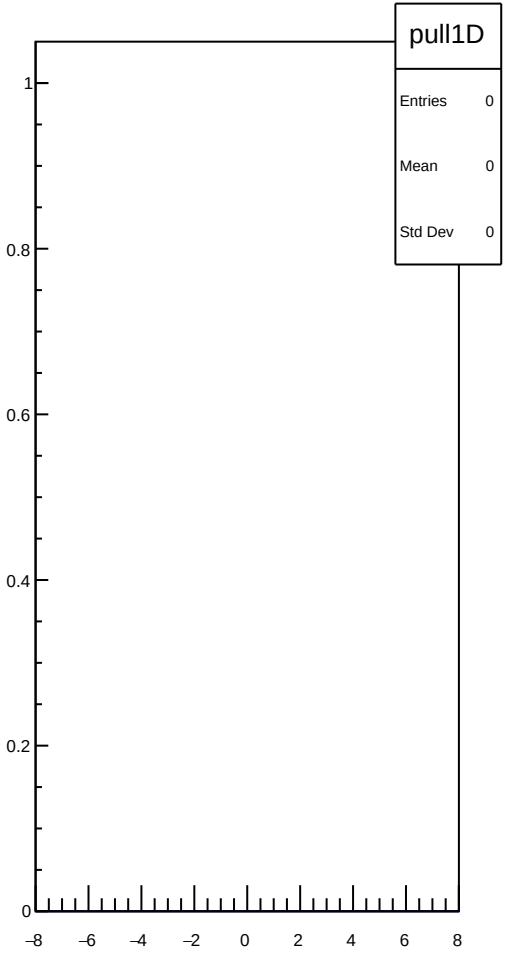
0.8
0.6
0.4
0.2
0
0
1


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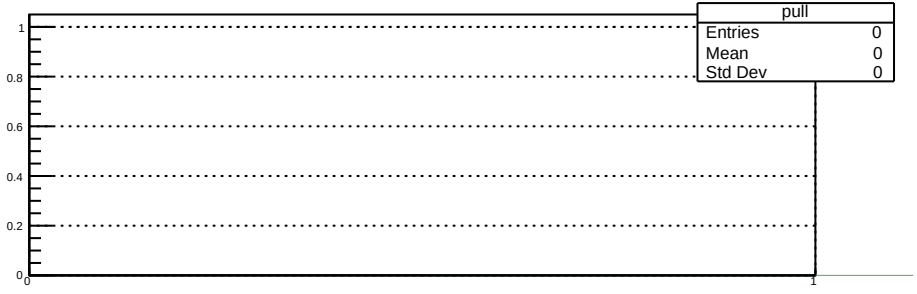
pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
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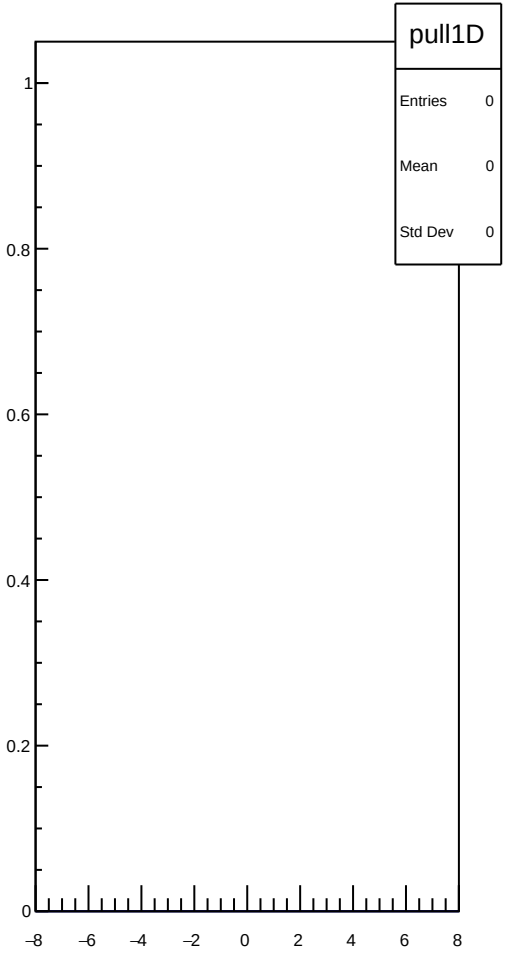
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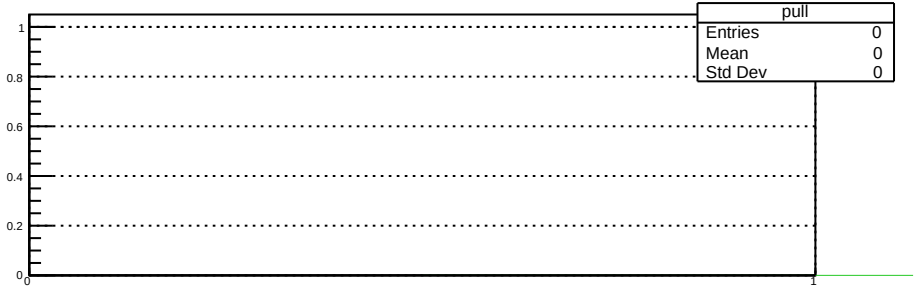
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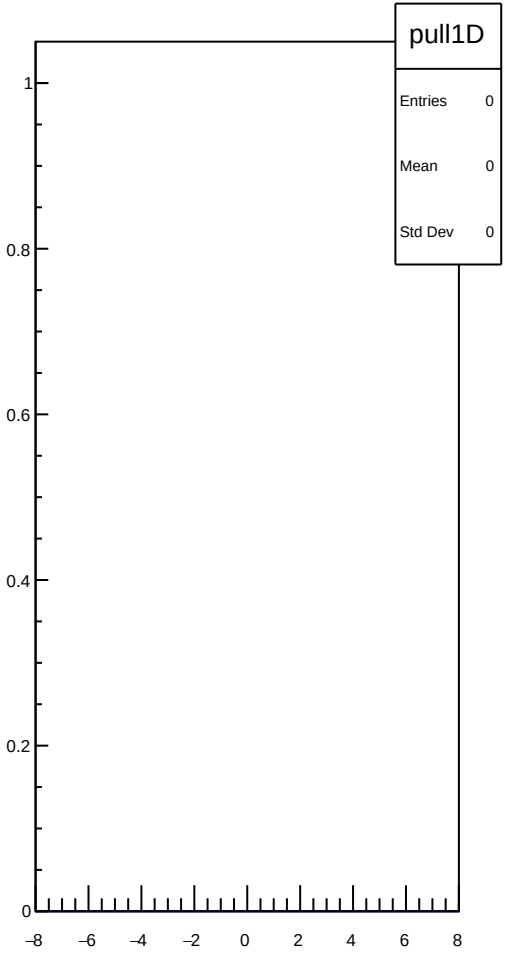
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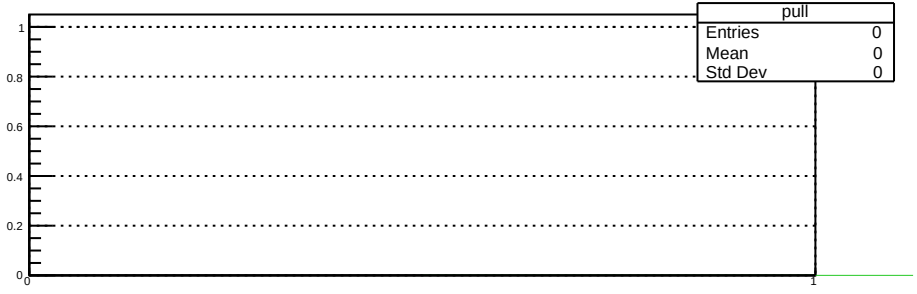
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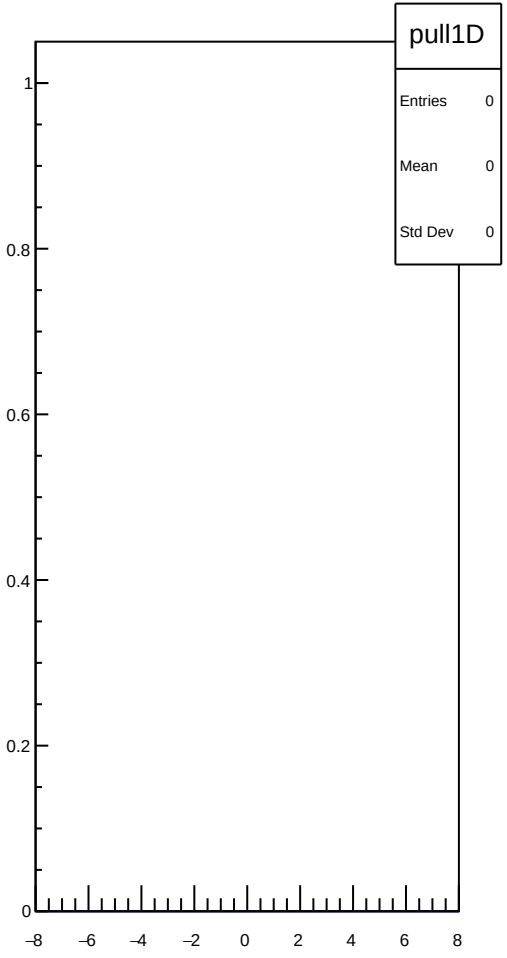
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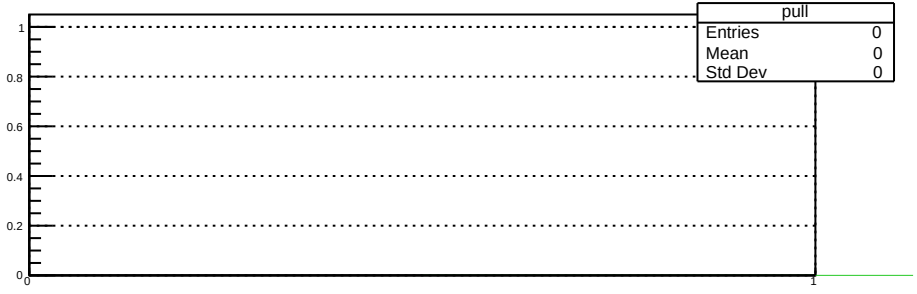
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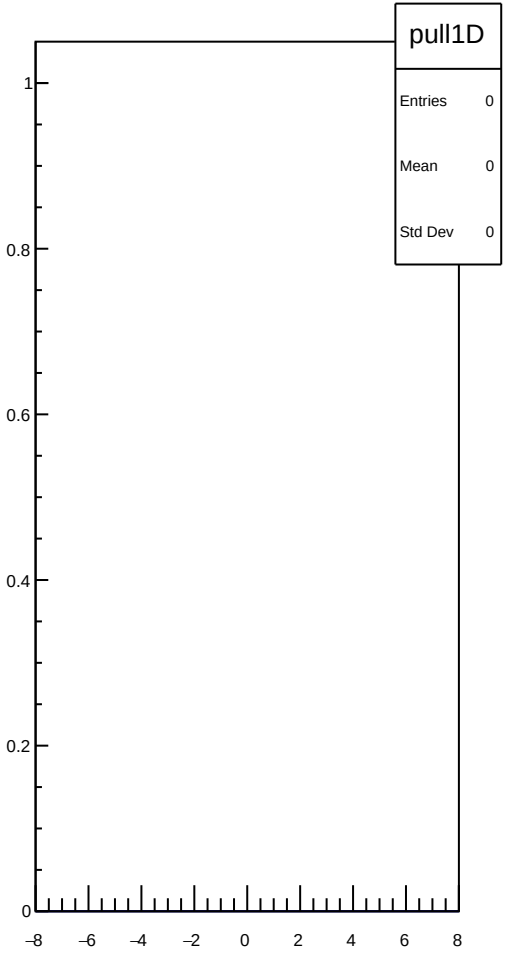
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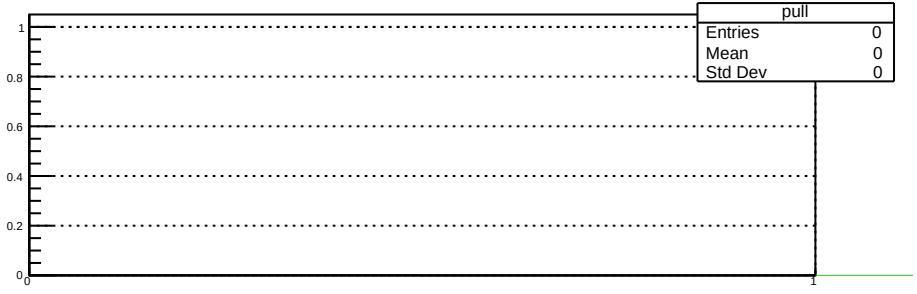
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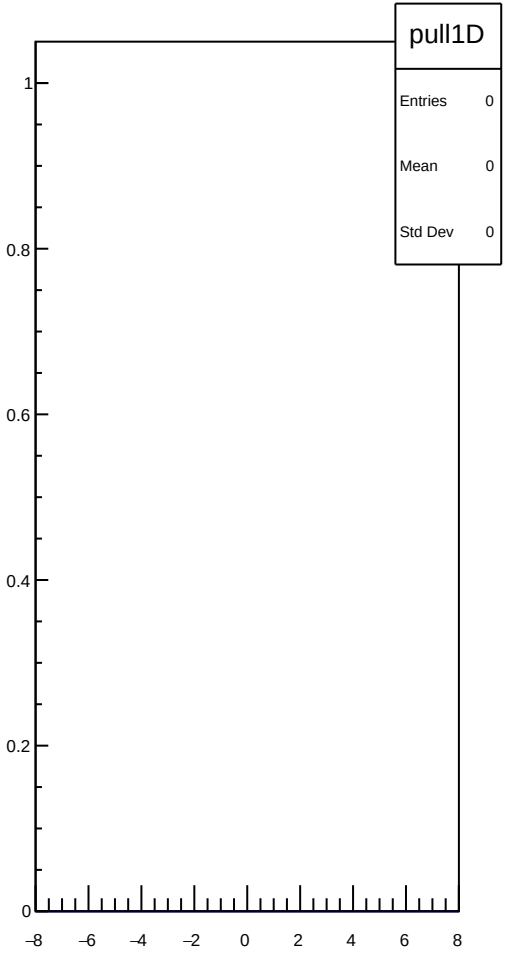
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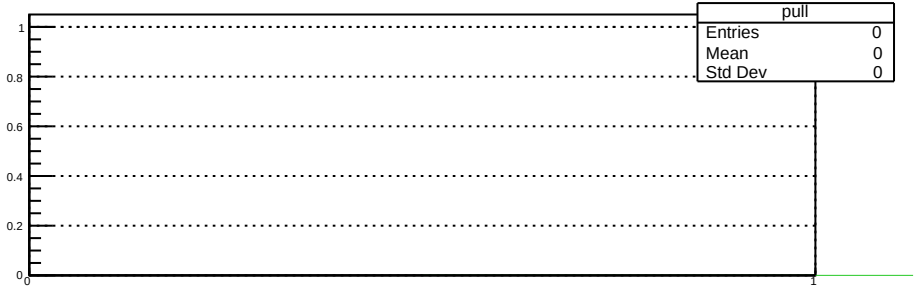
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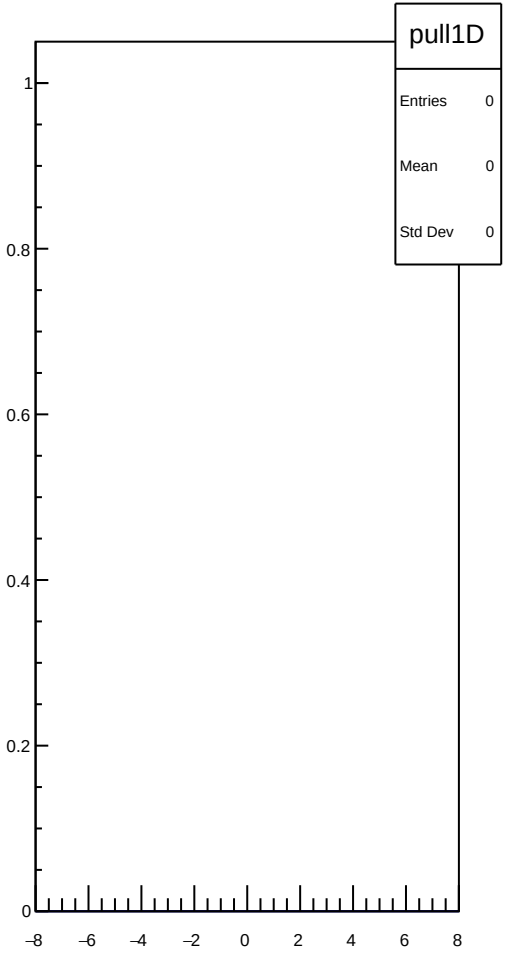
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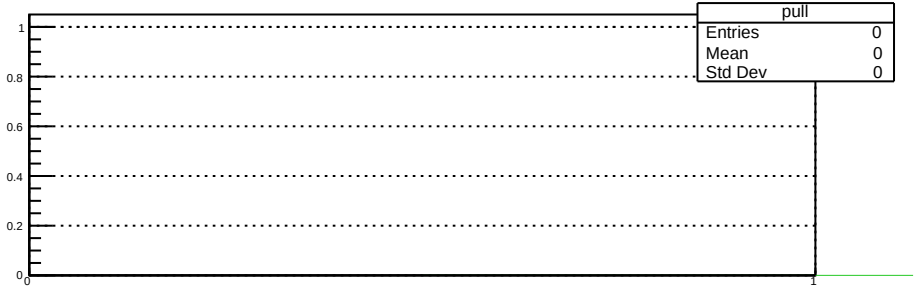
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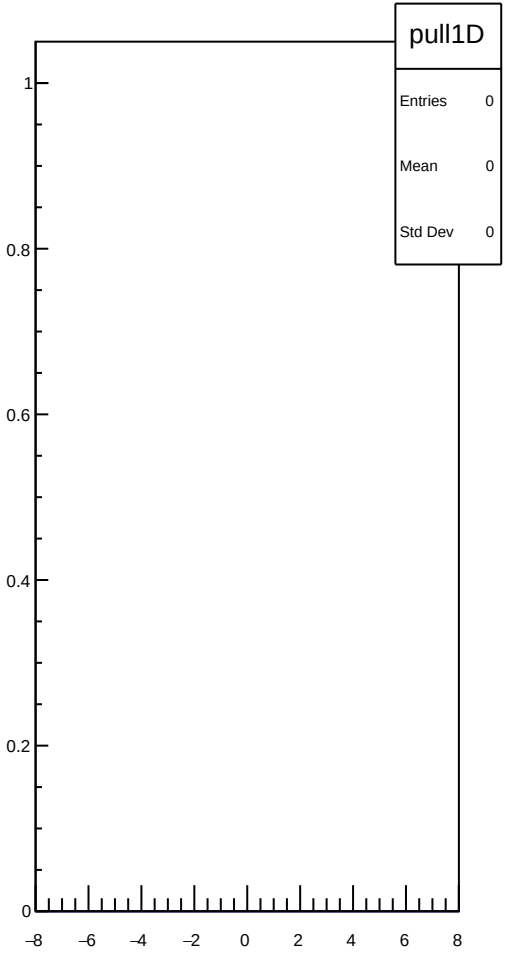
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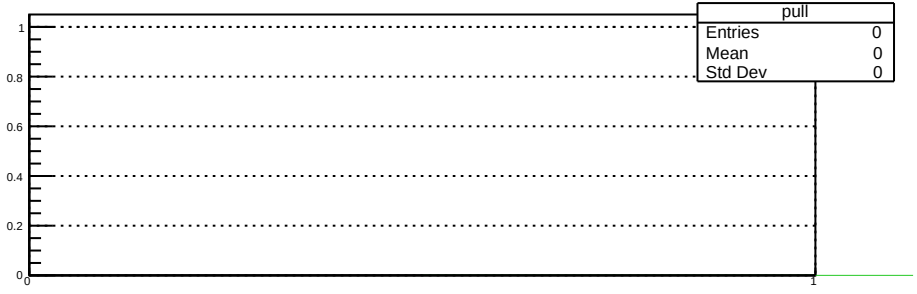
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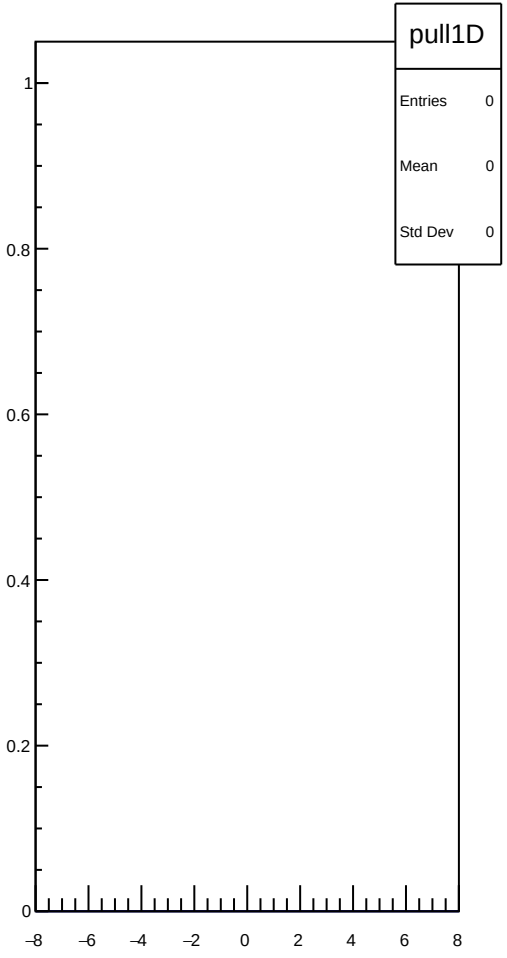
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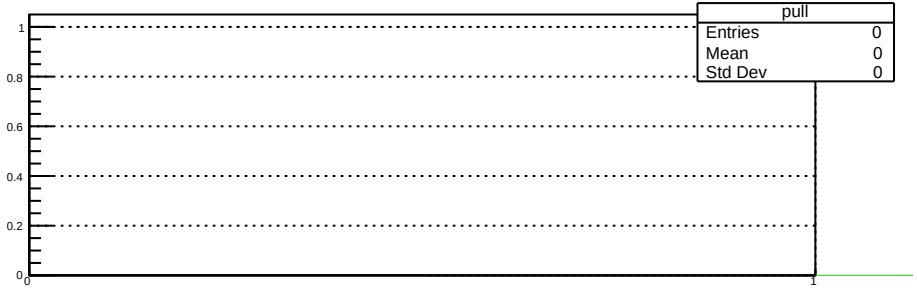
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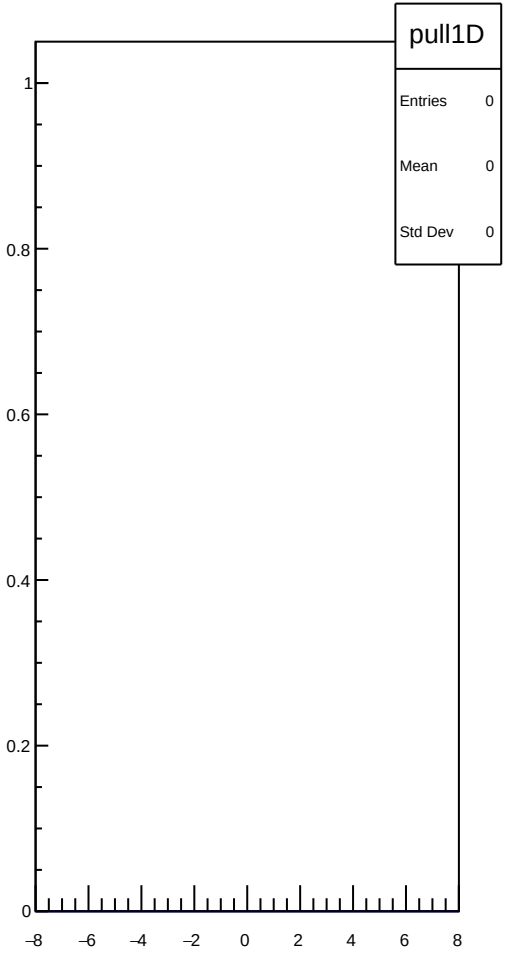
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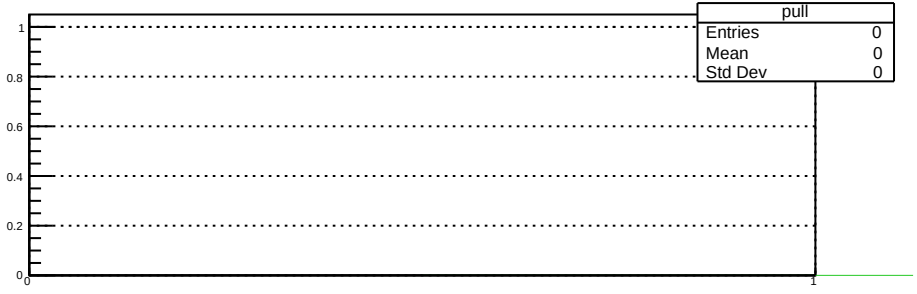
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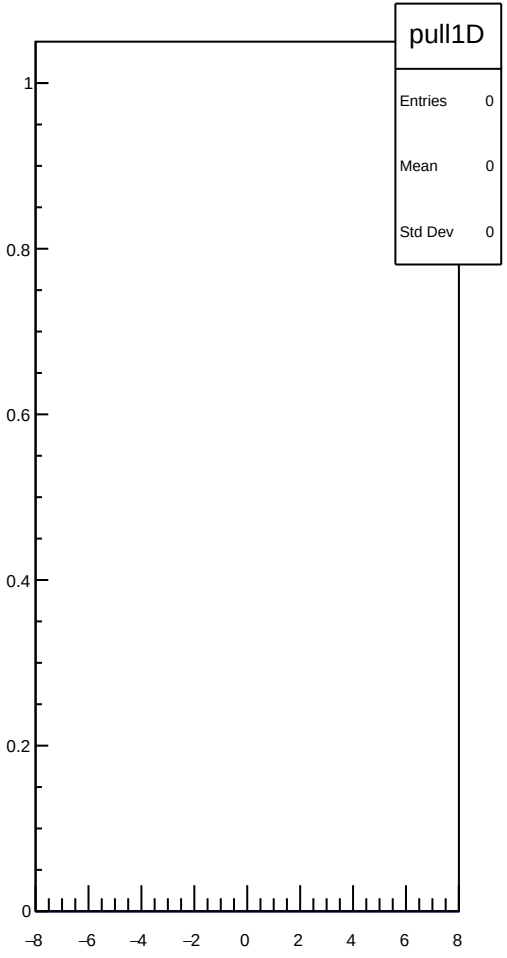
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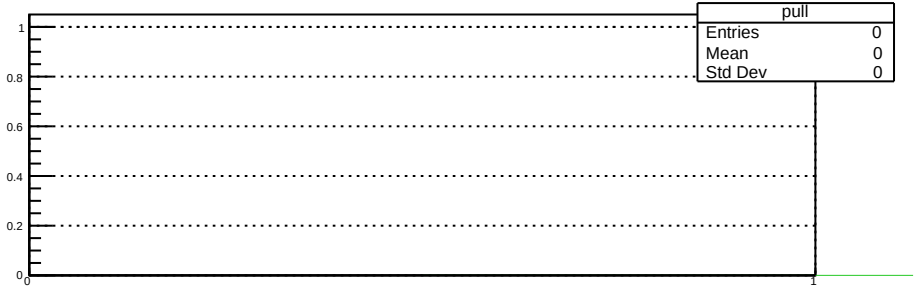
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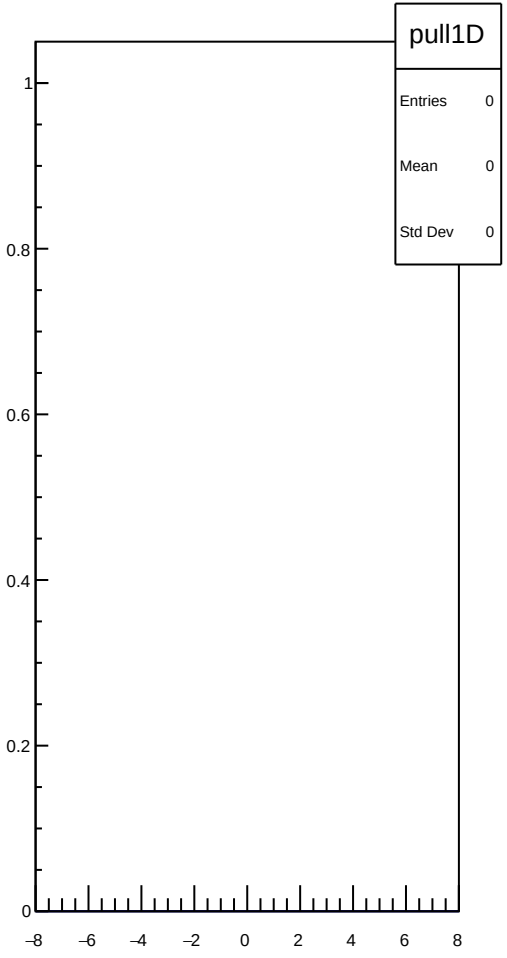
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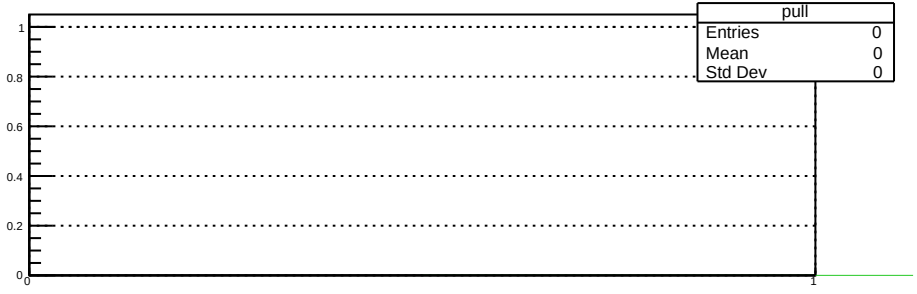
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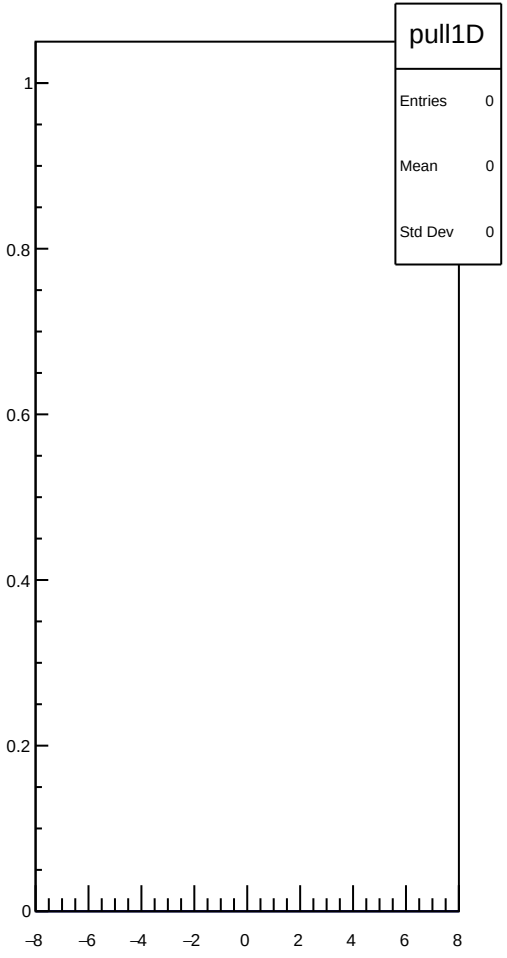
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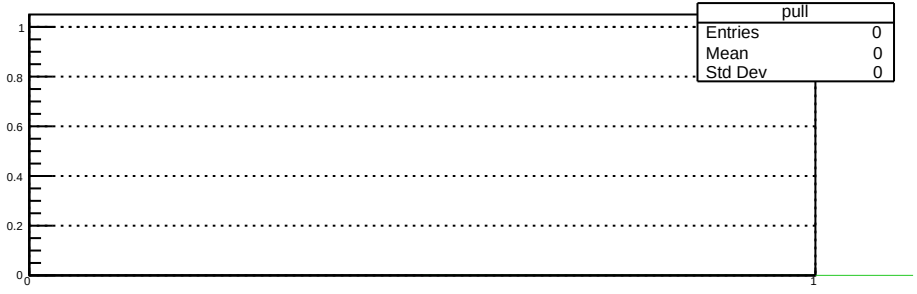
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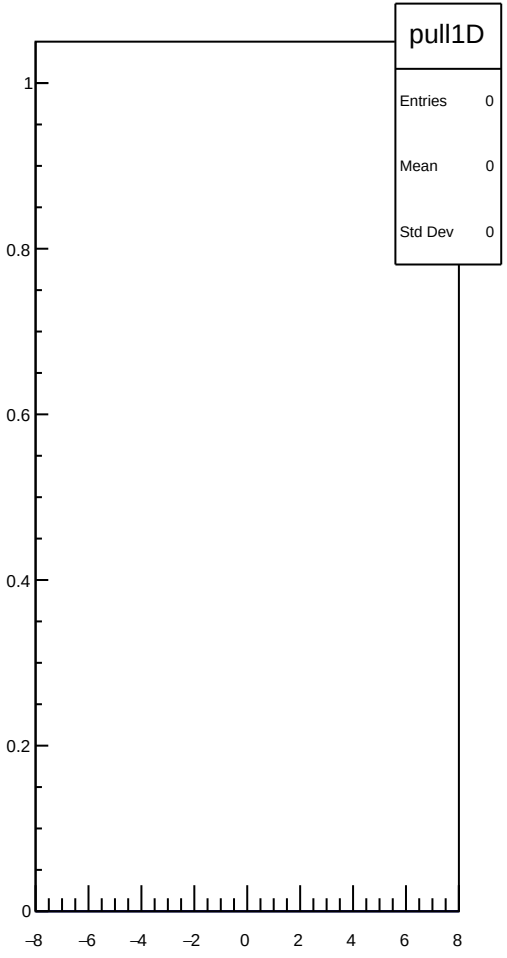
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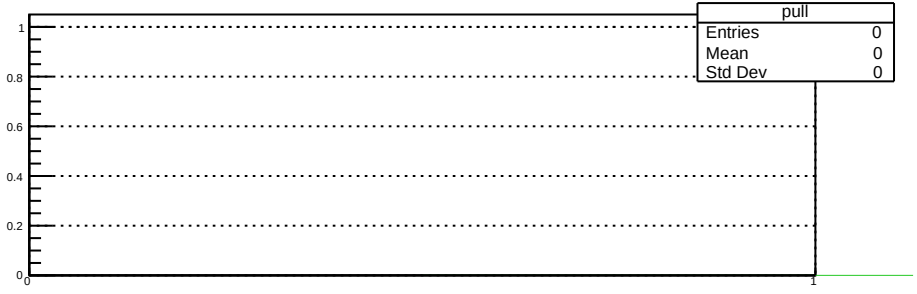
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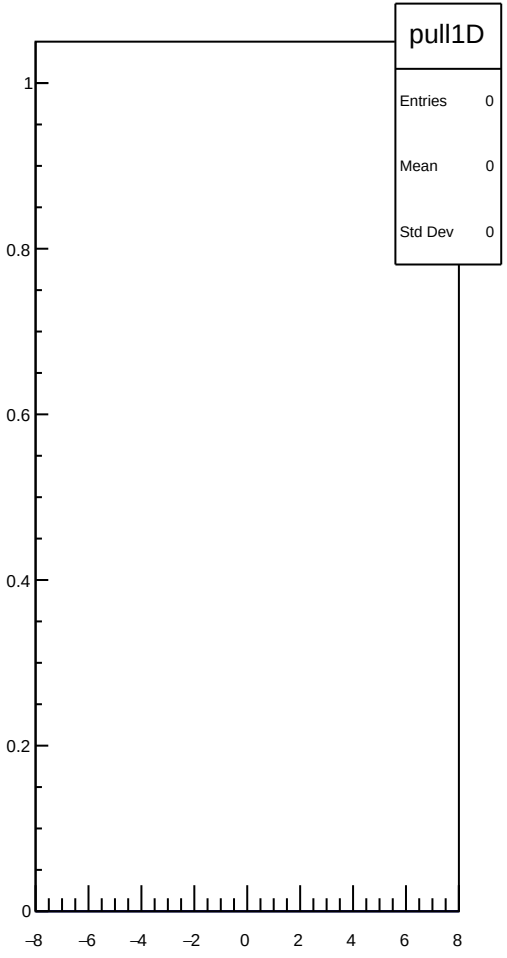
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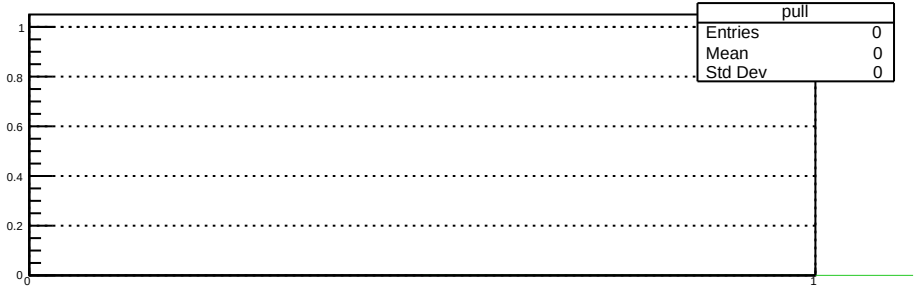
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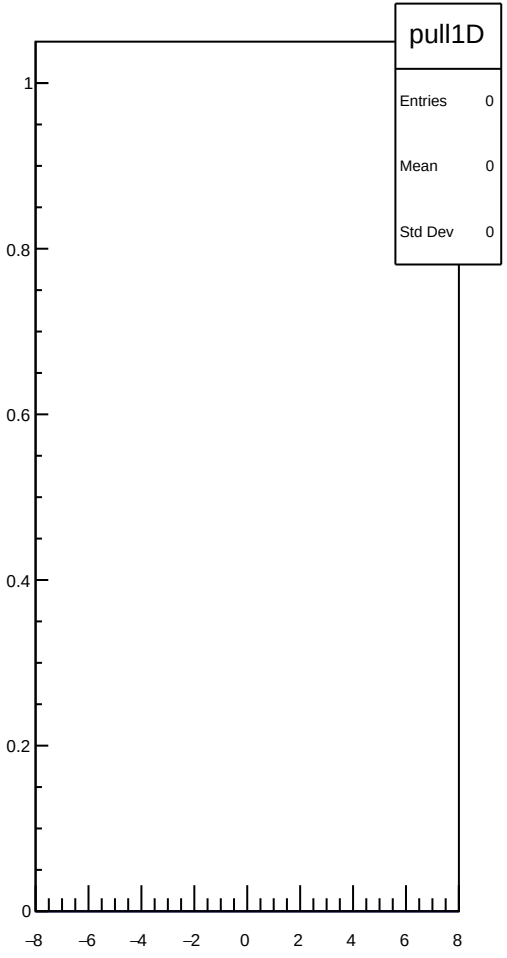
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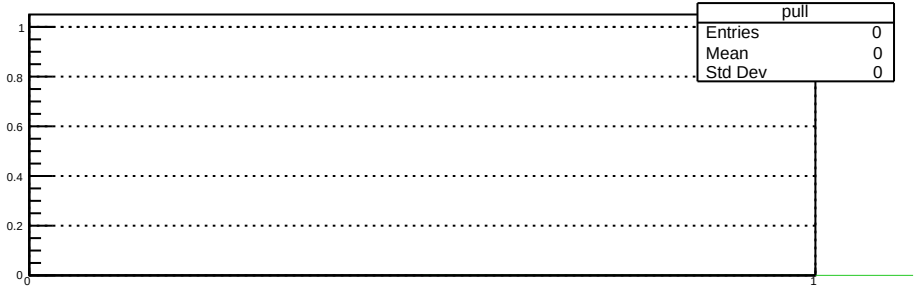
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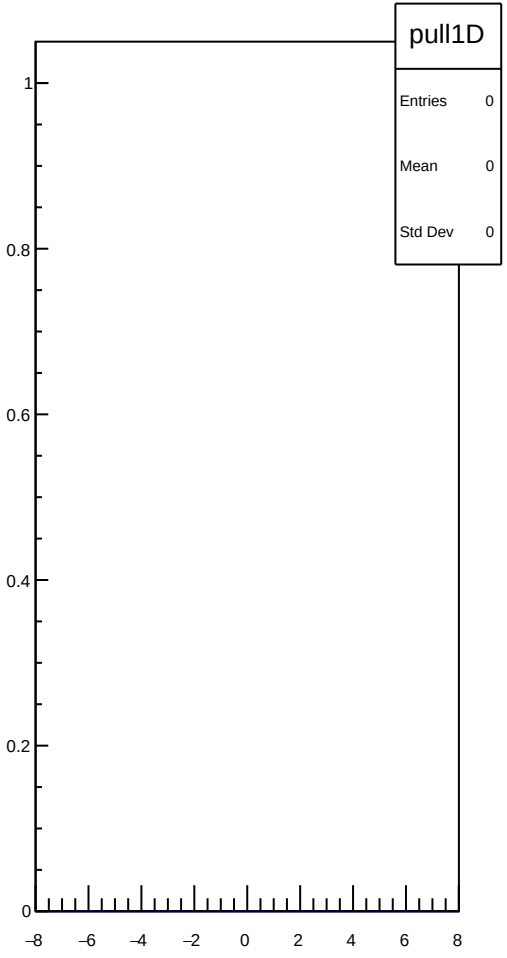
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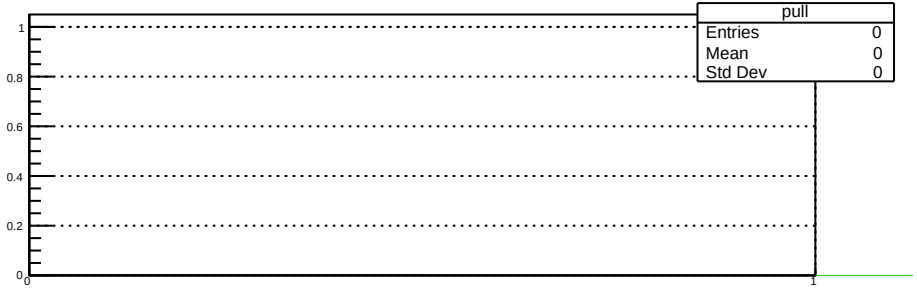
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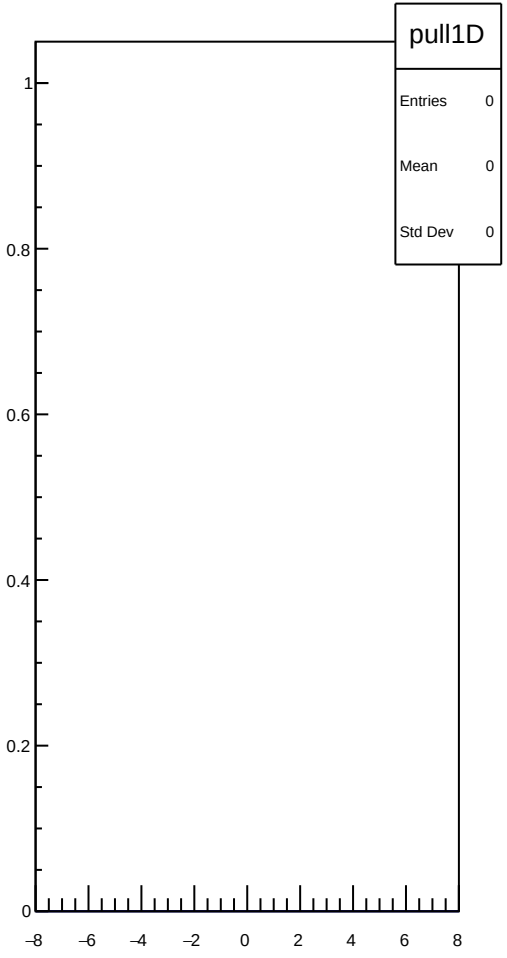
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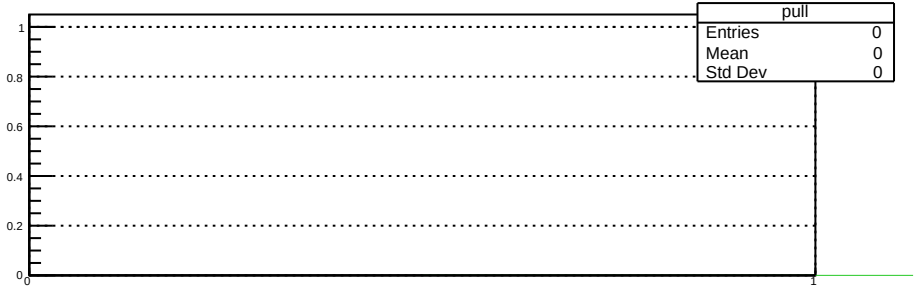
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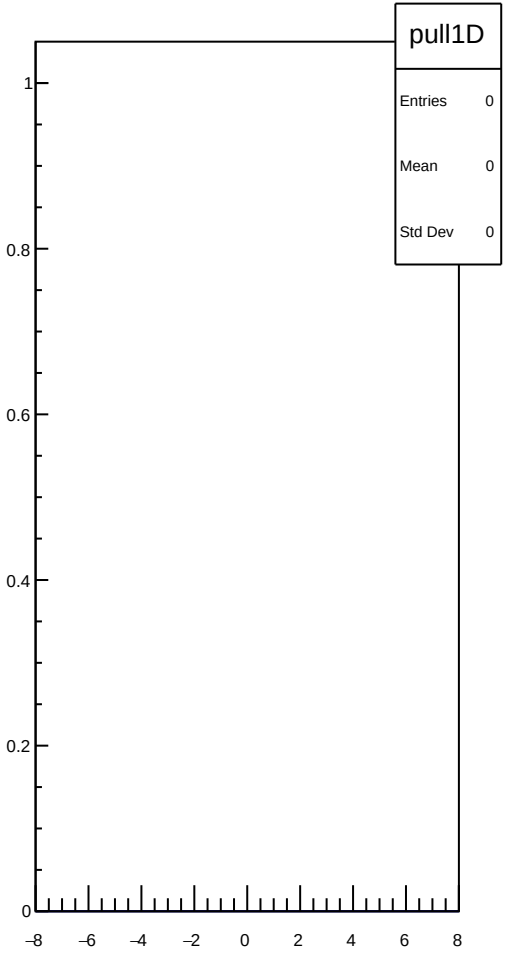
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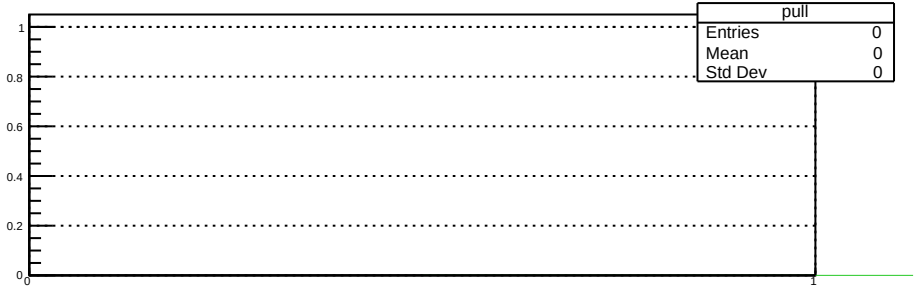
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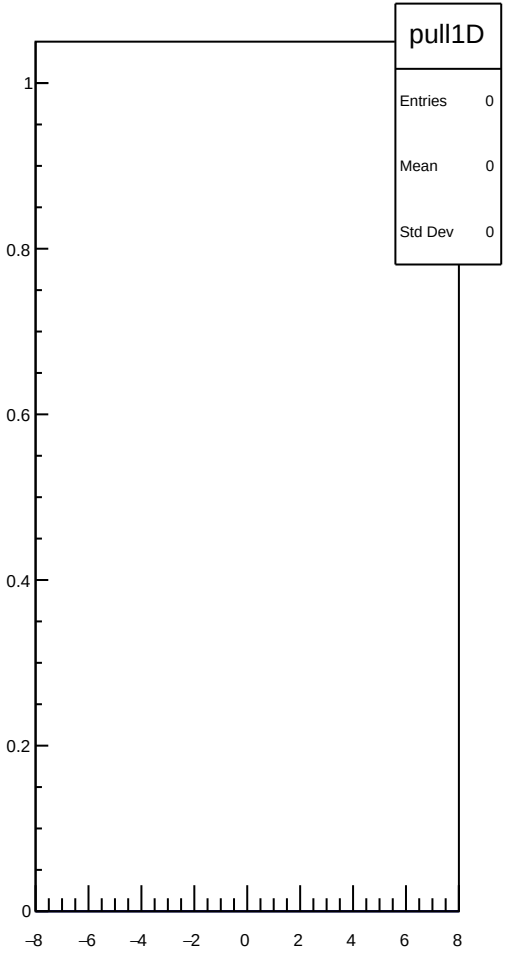
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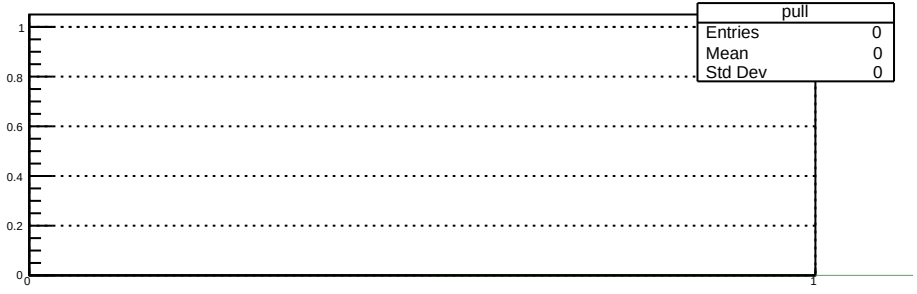
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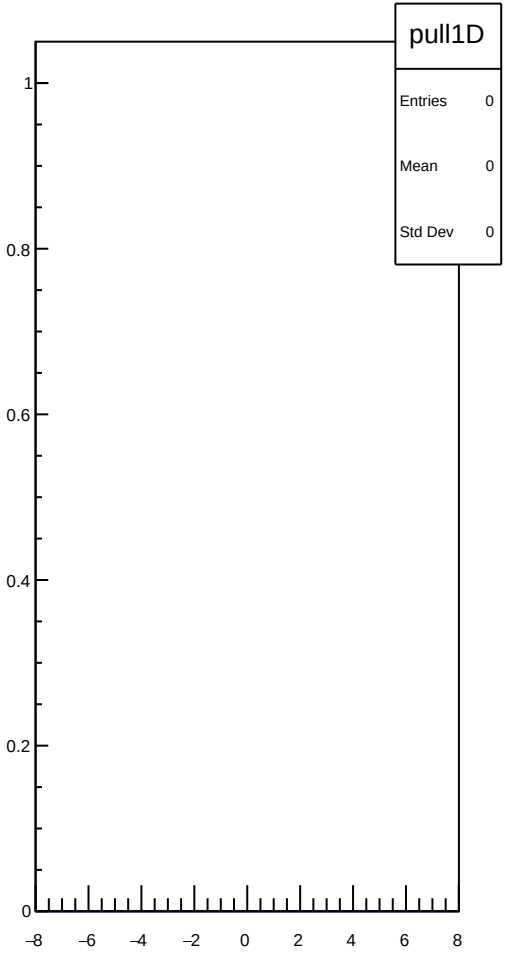
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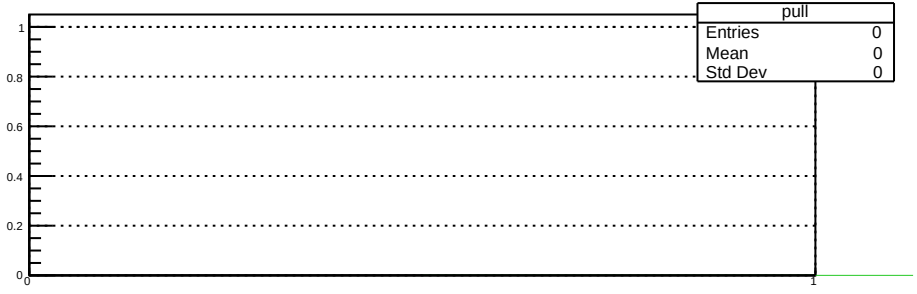
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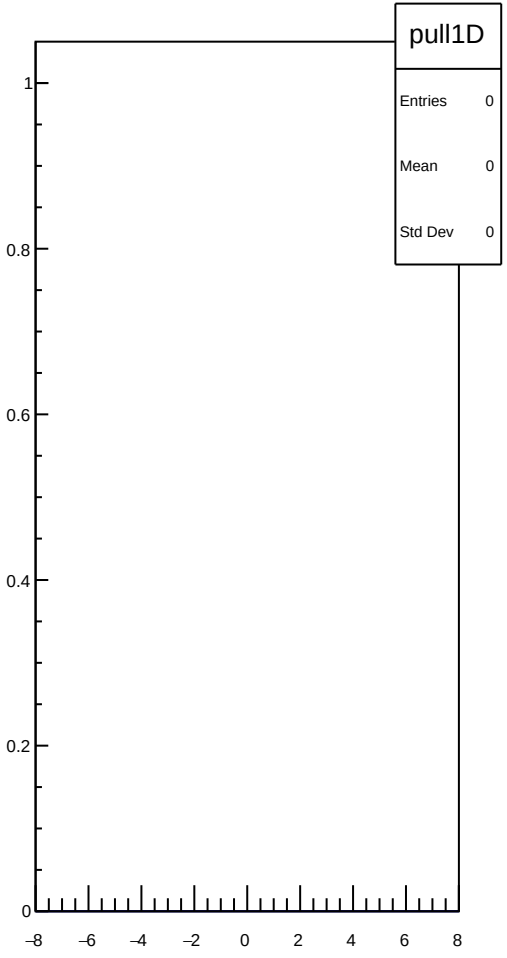
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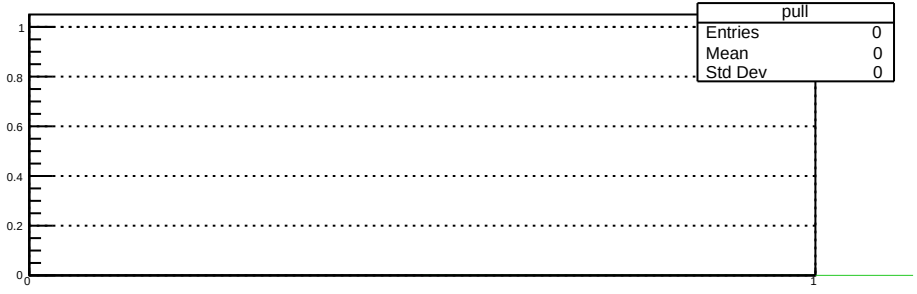
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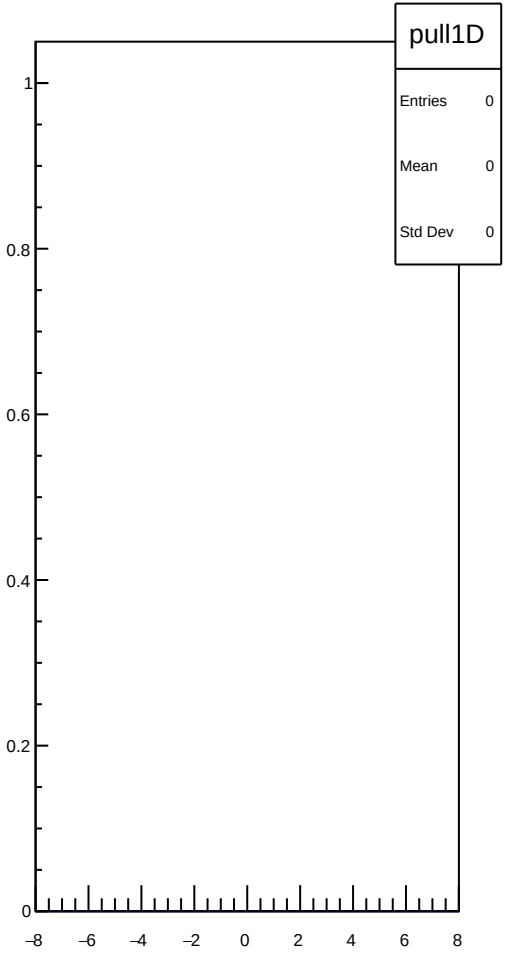
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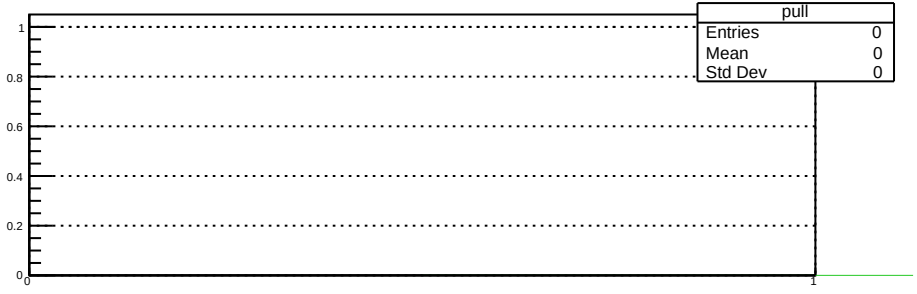
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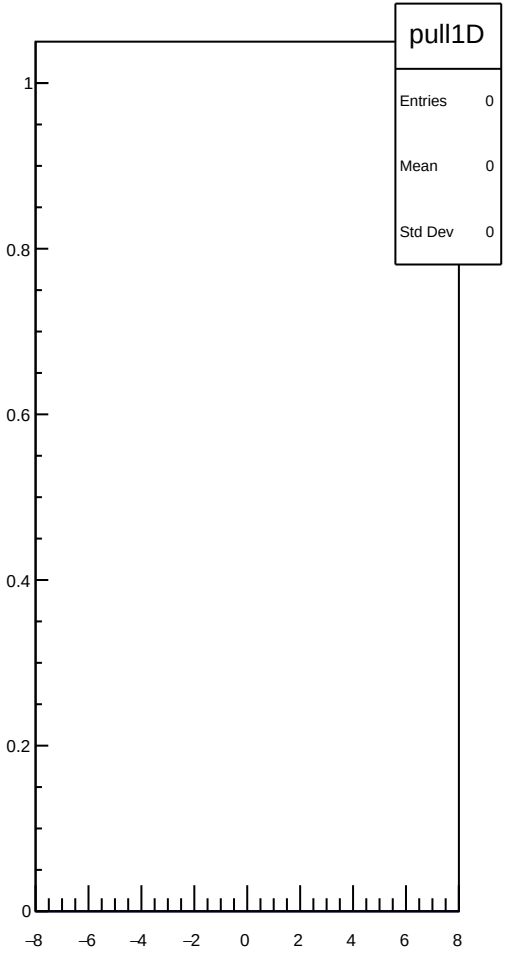
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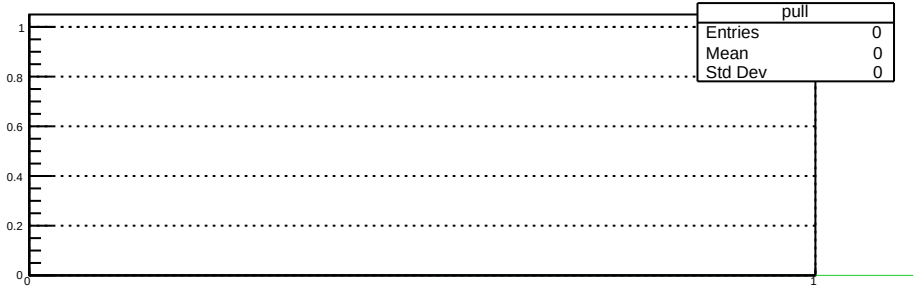
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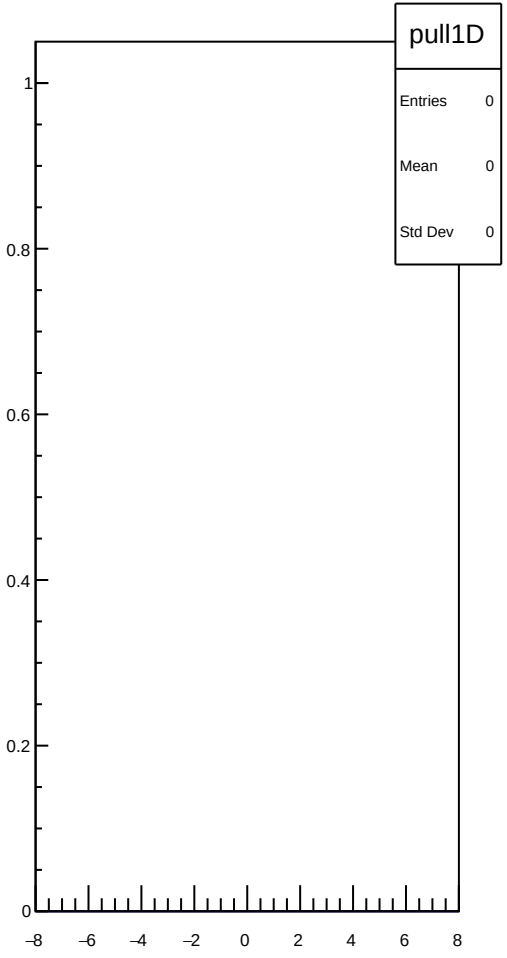
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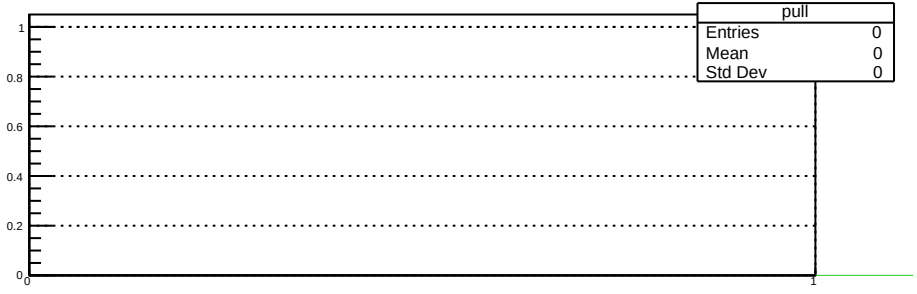
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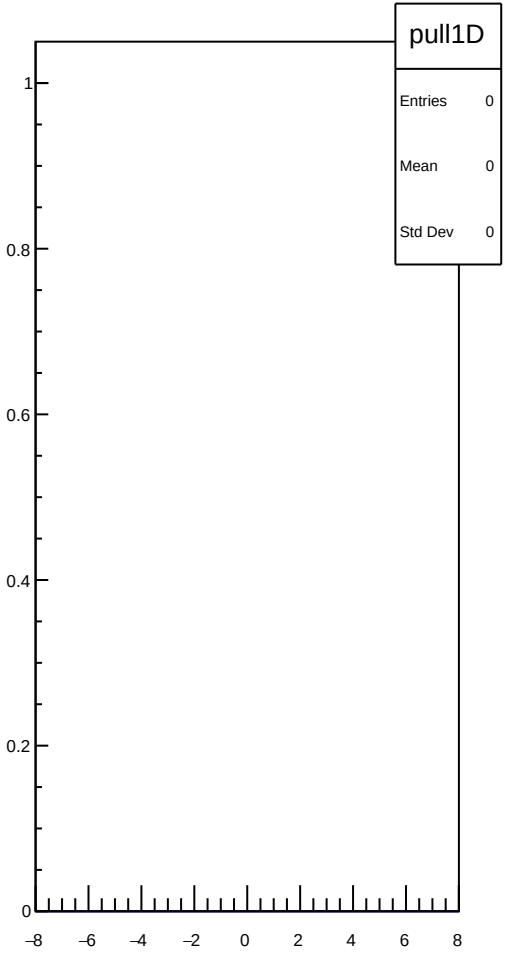
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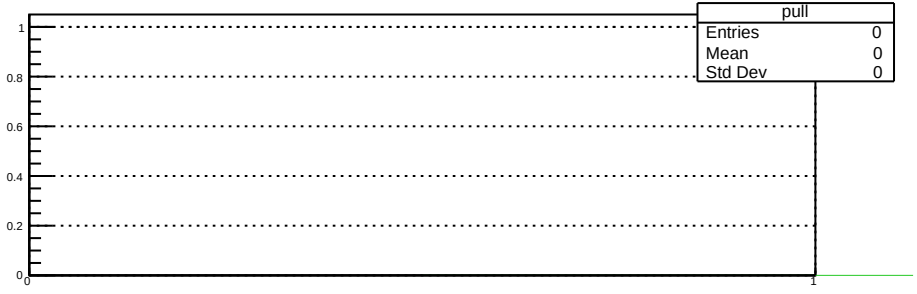
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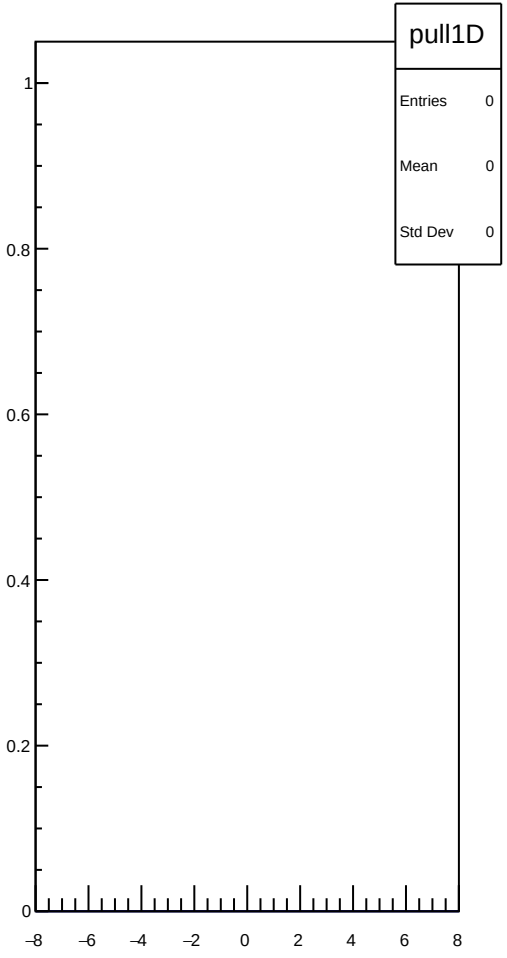
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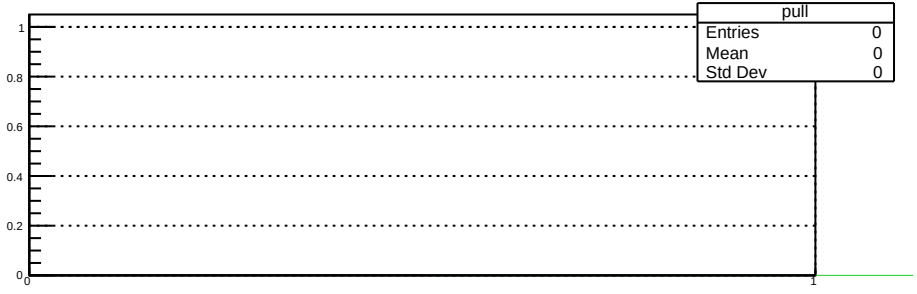
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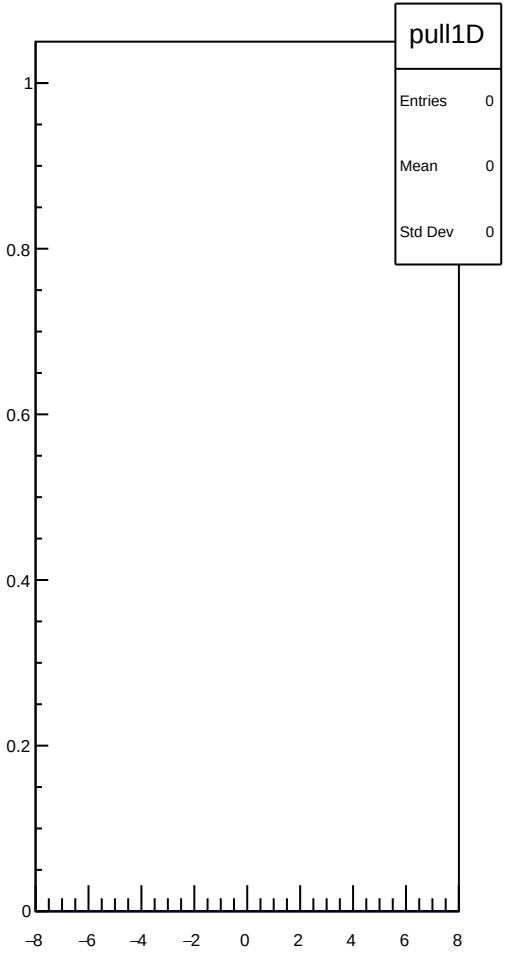
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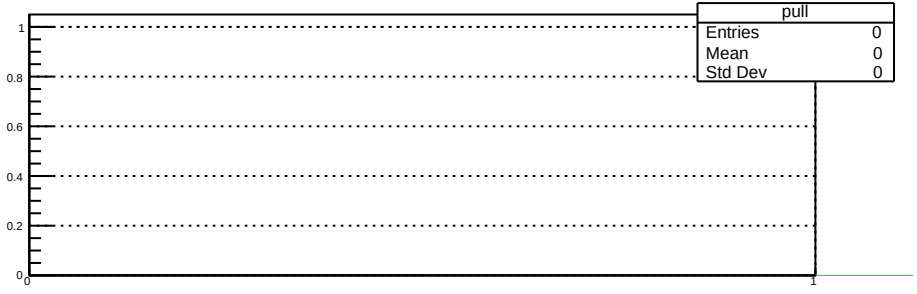
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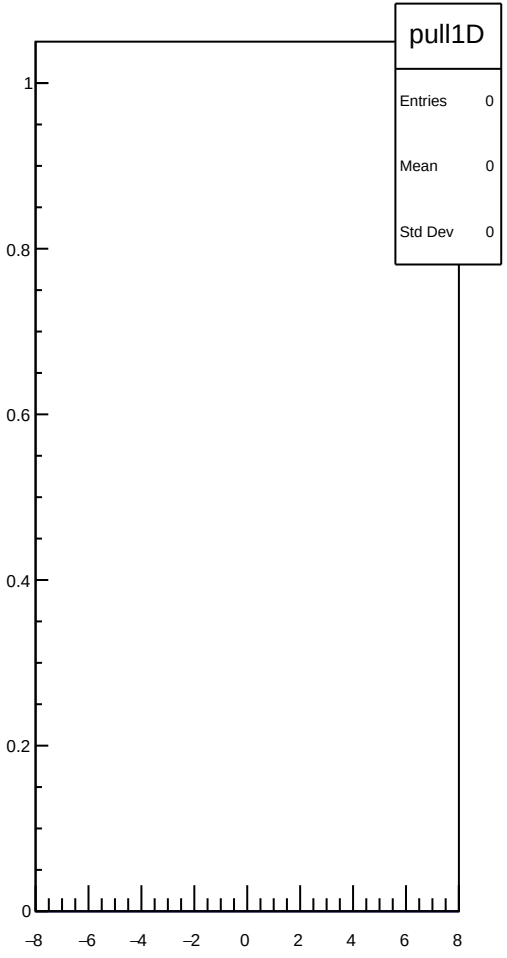
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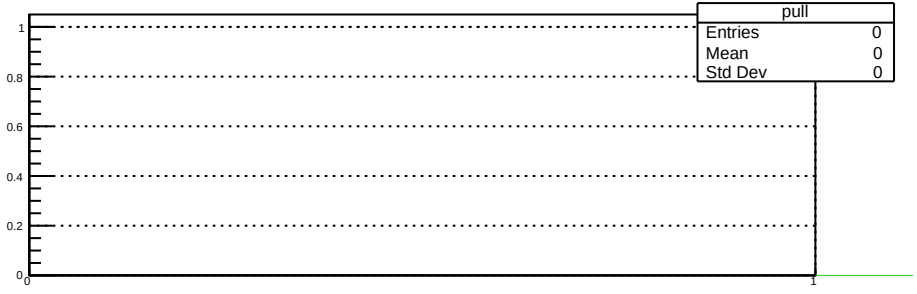
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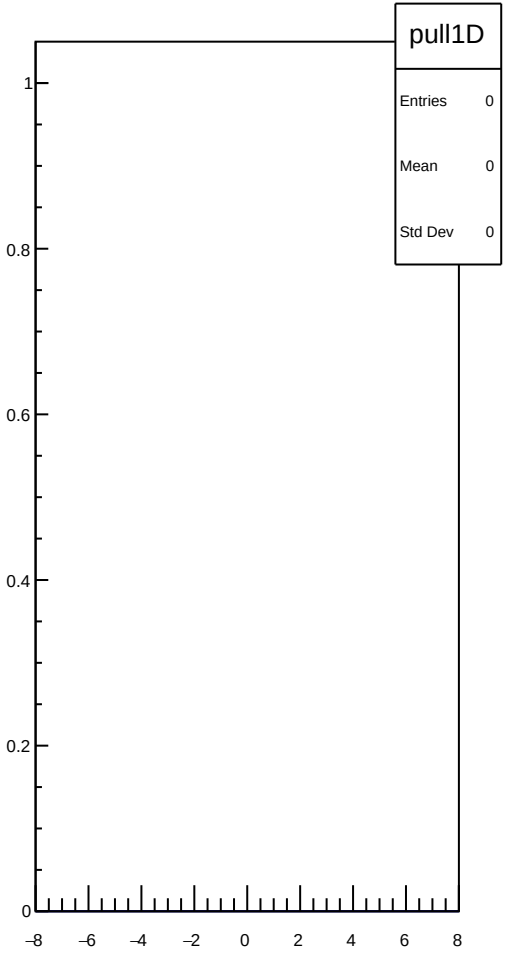
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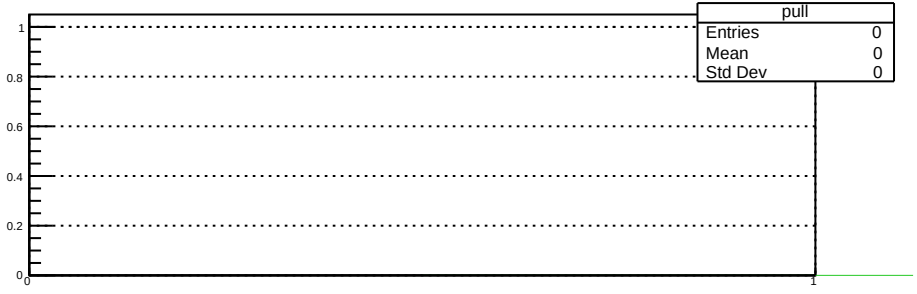
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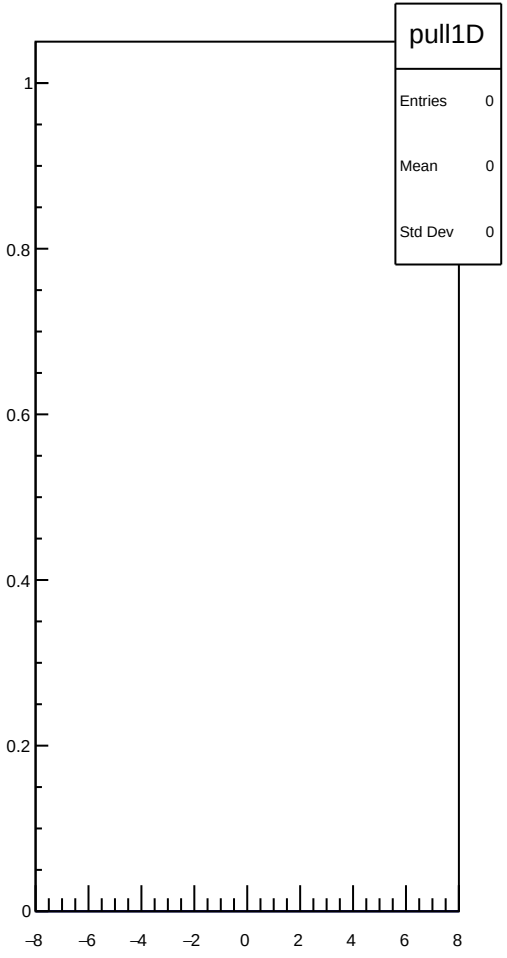
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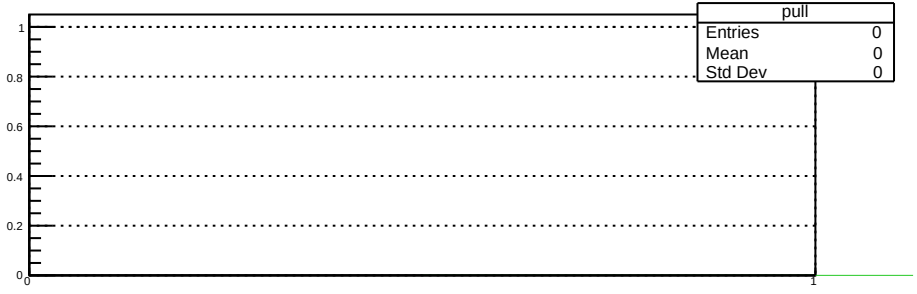
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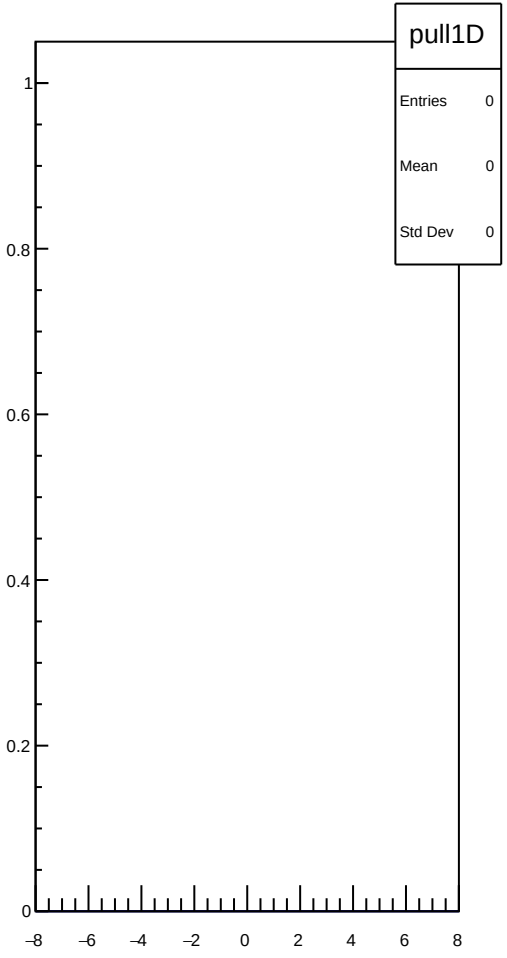
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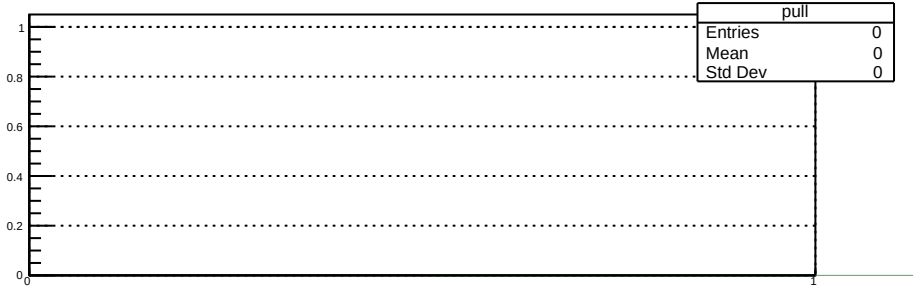
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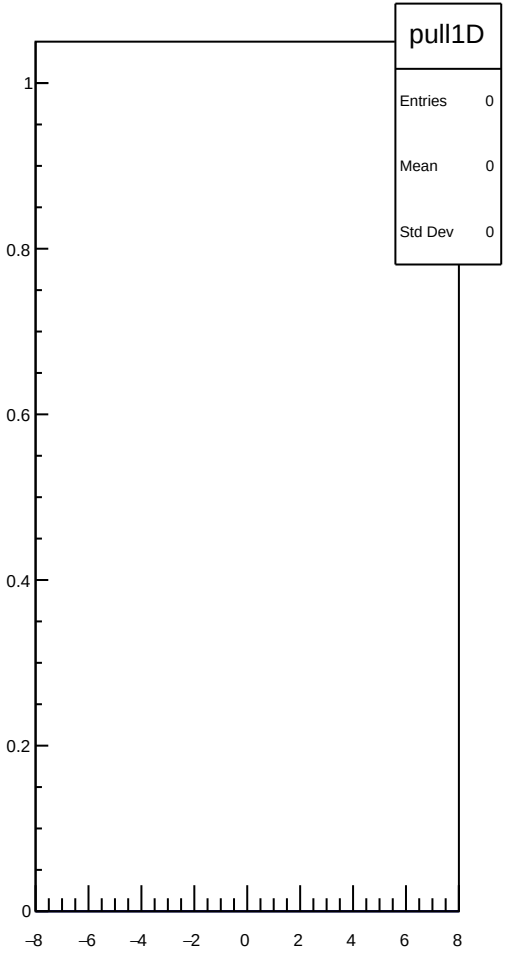
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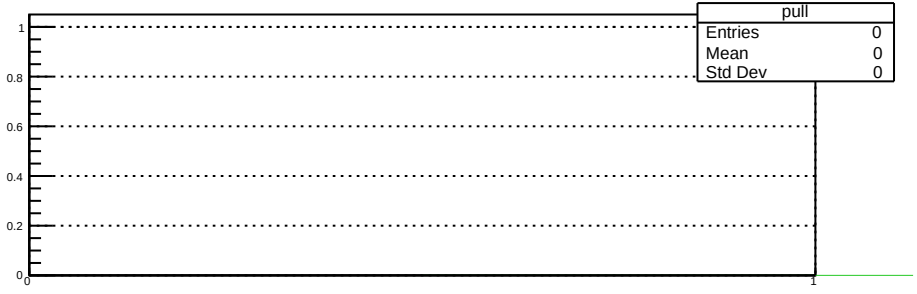
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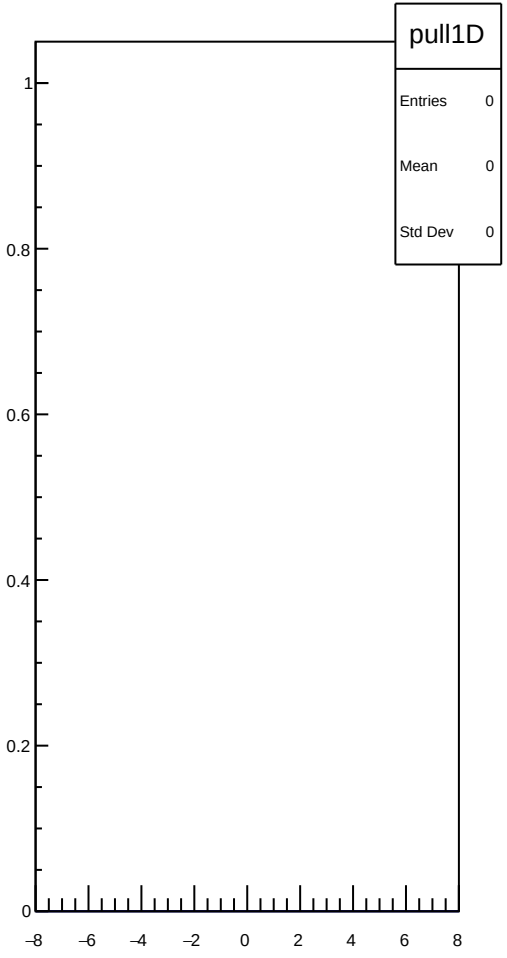
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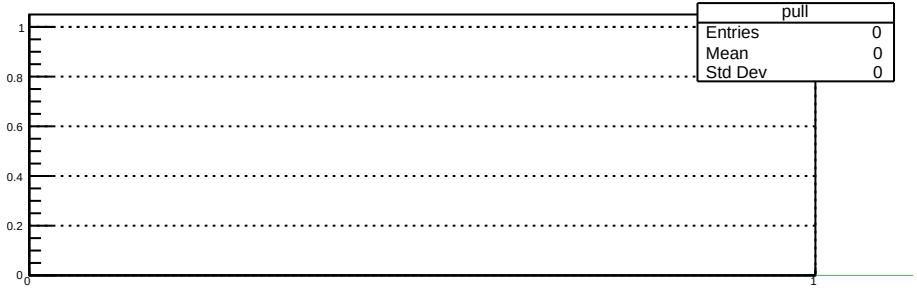
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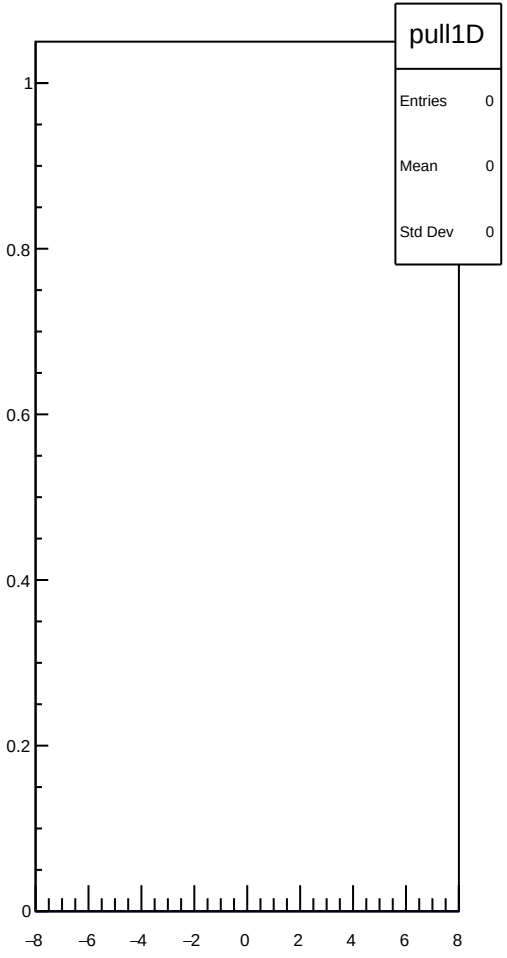
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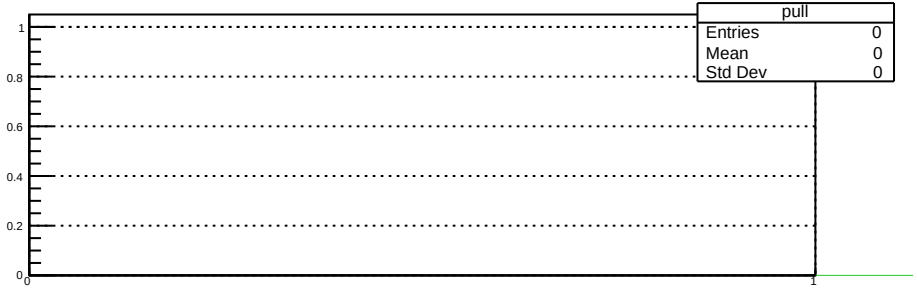
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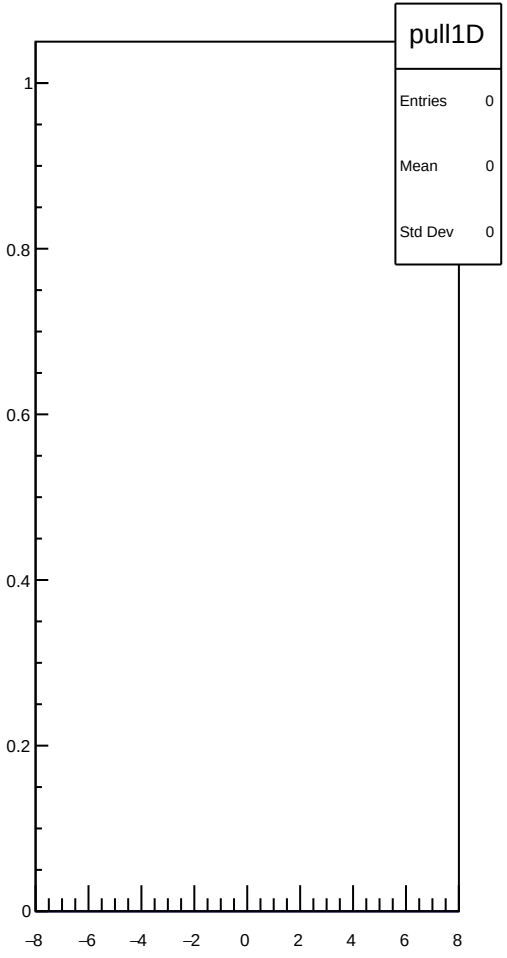
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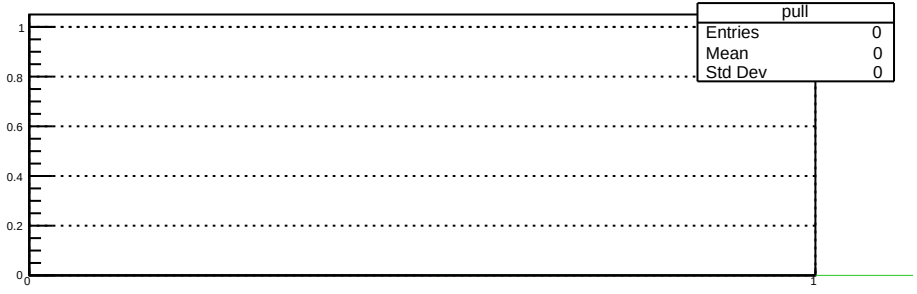
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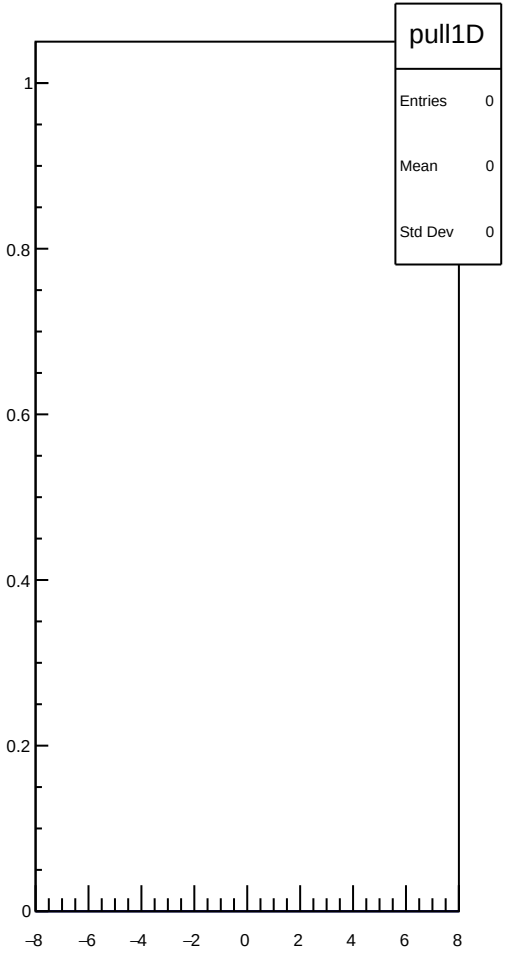
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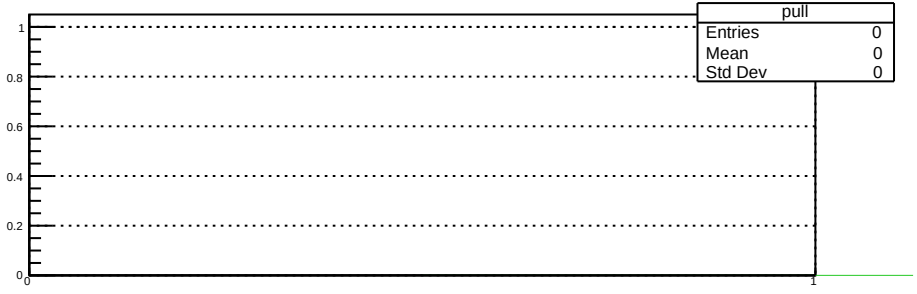
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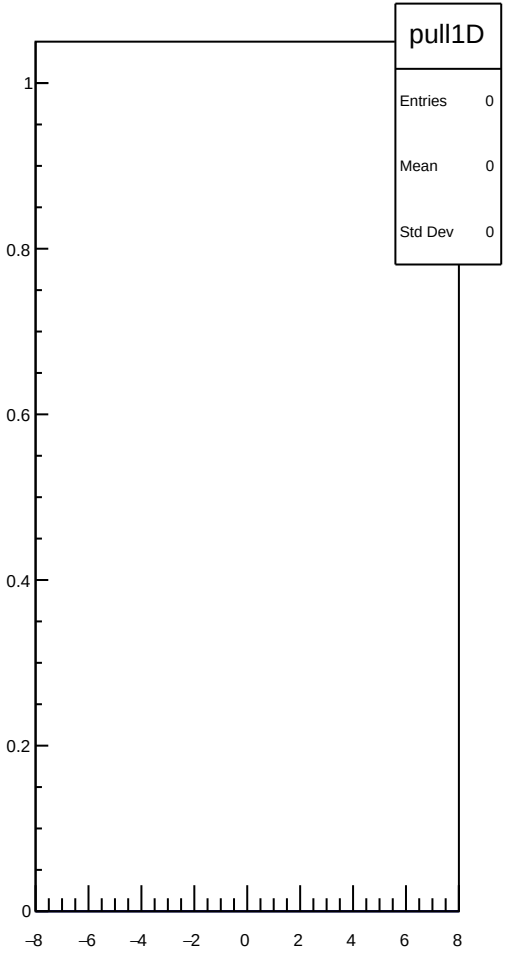
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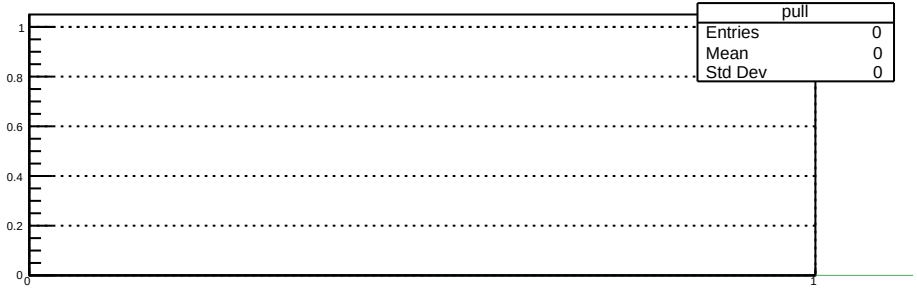
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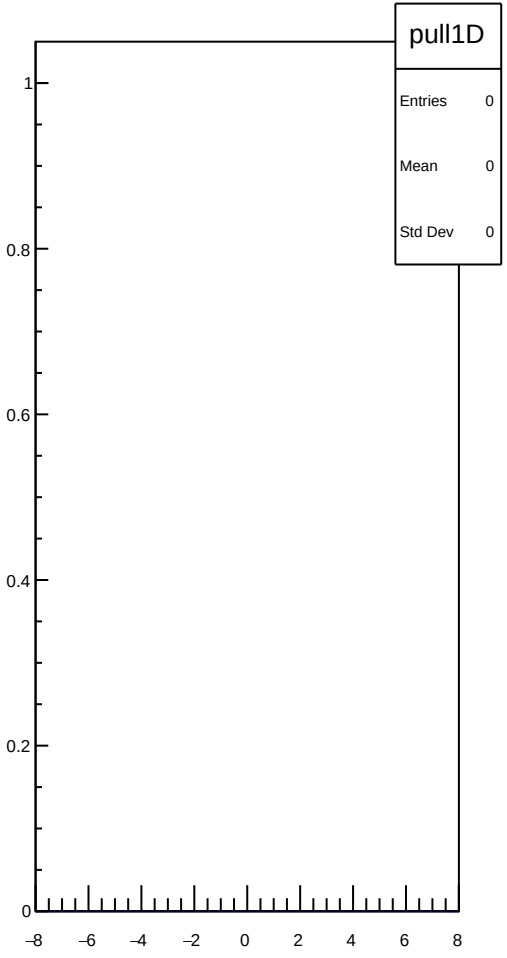
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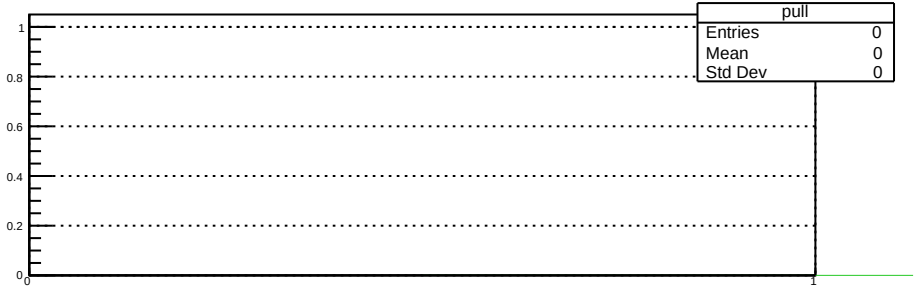
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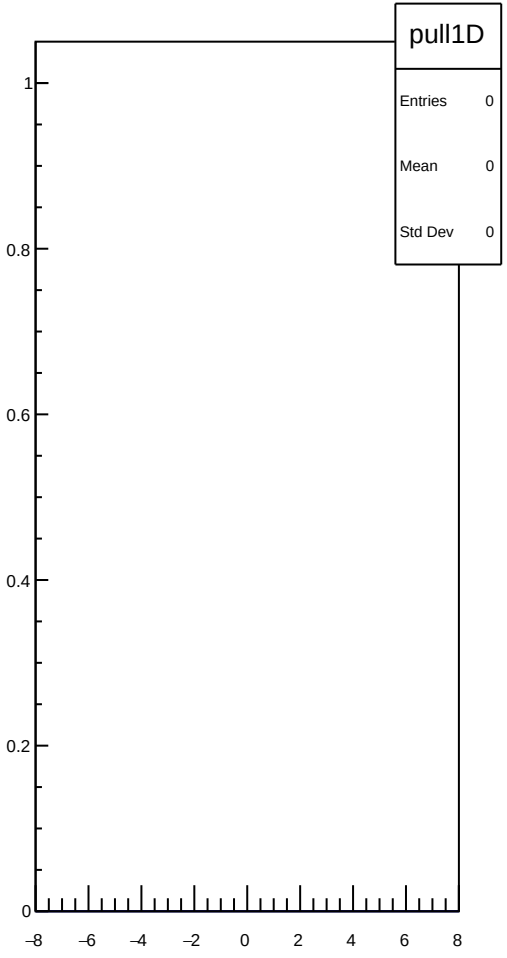
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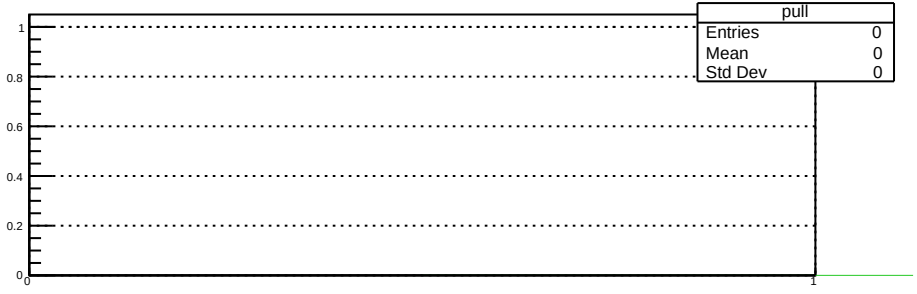
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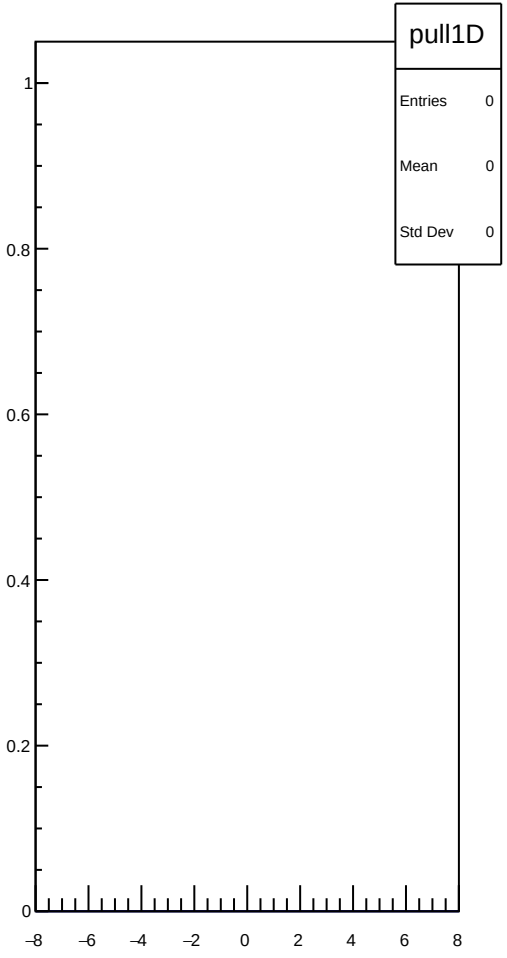
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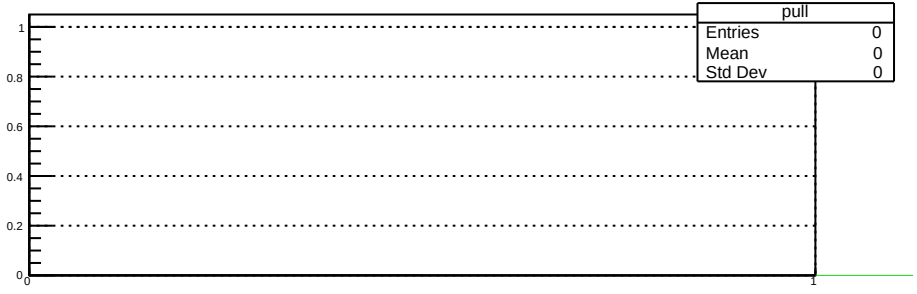
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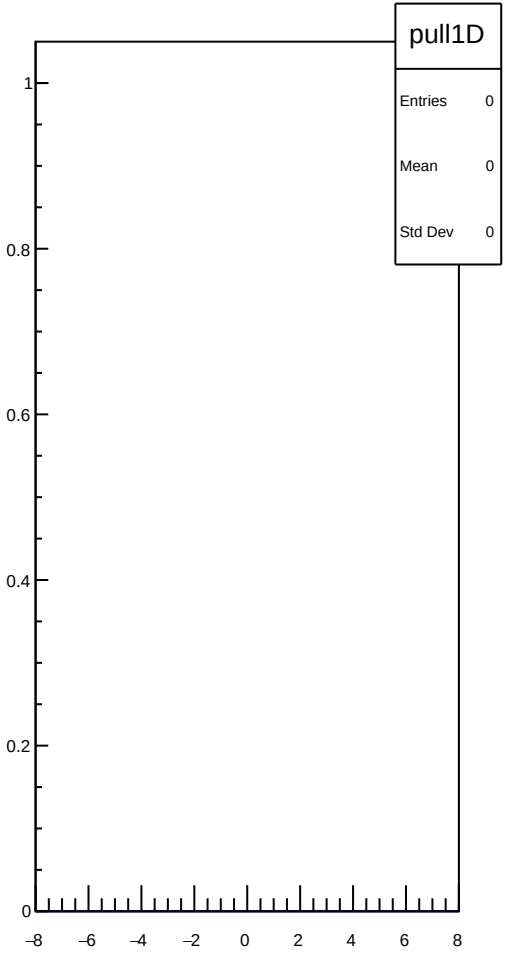
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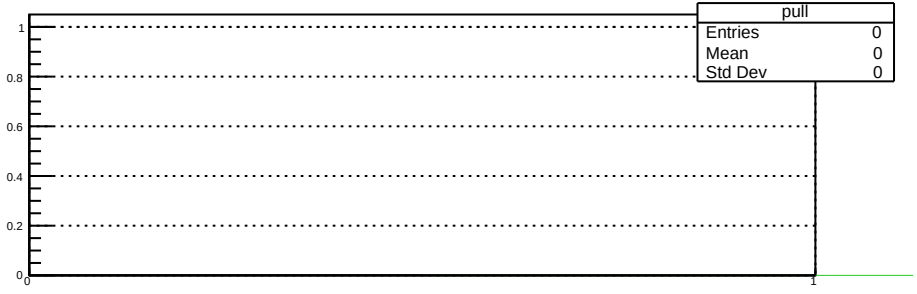
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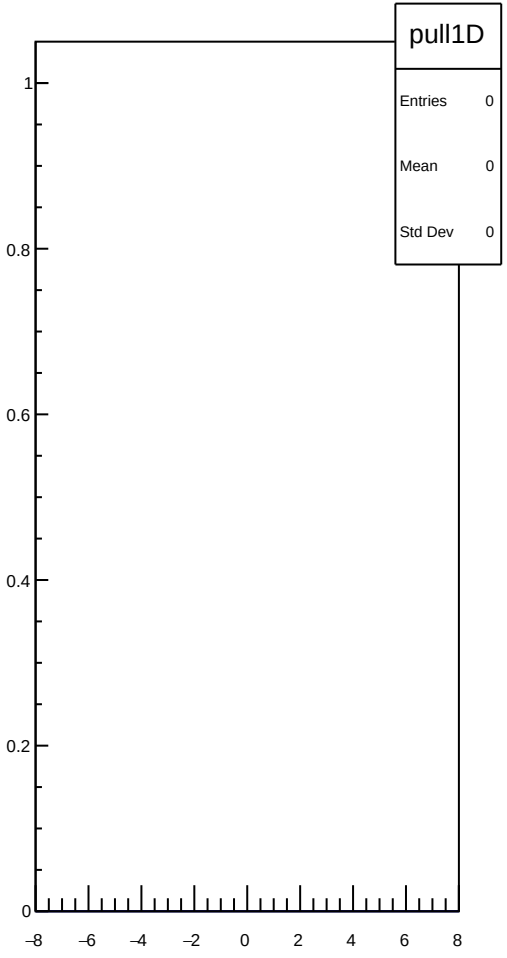
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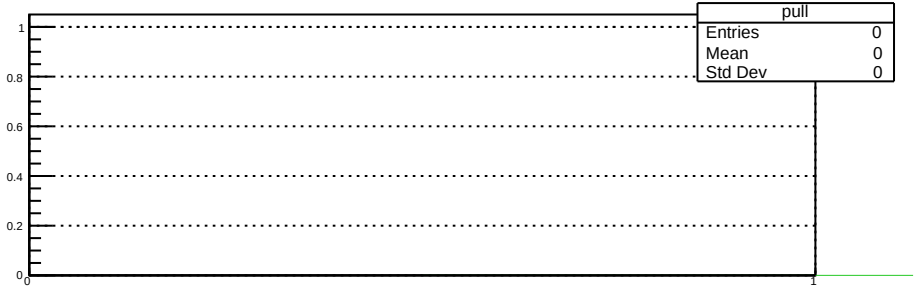
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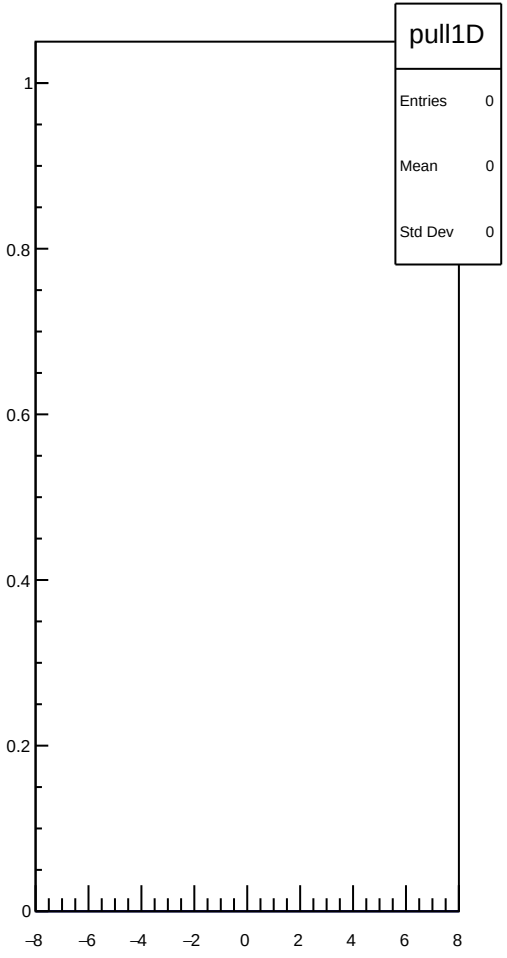
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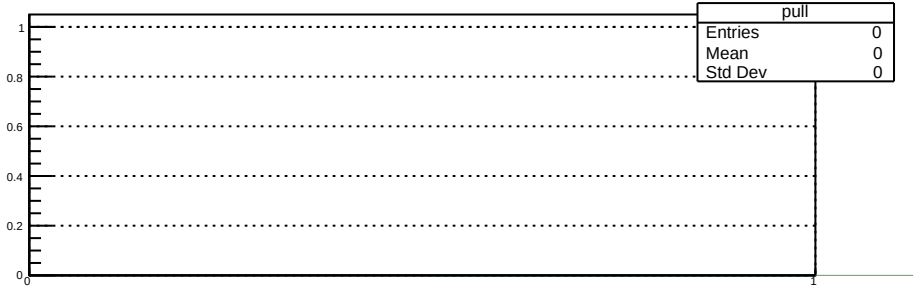
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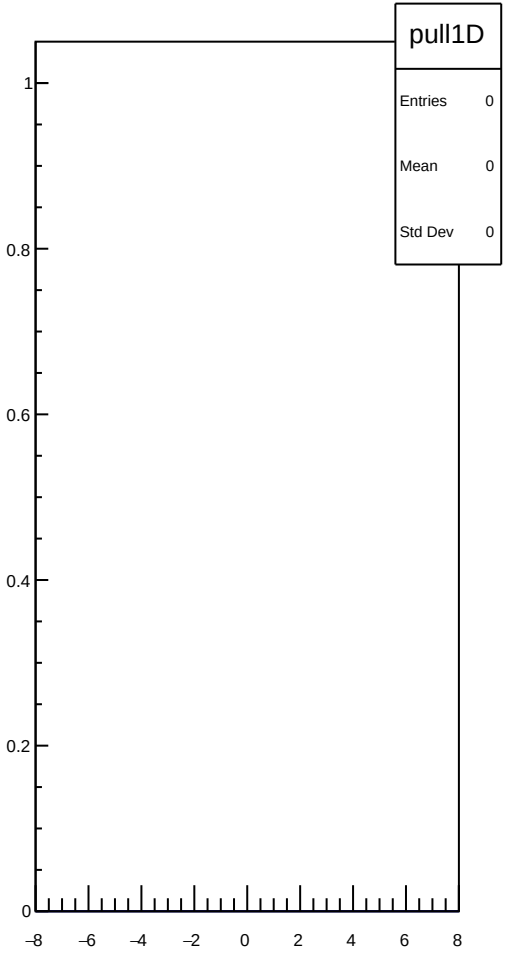
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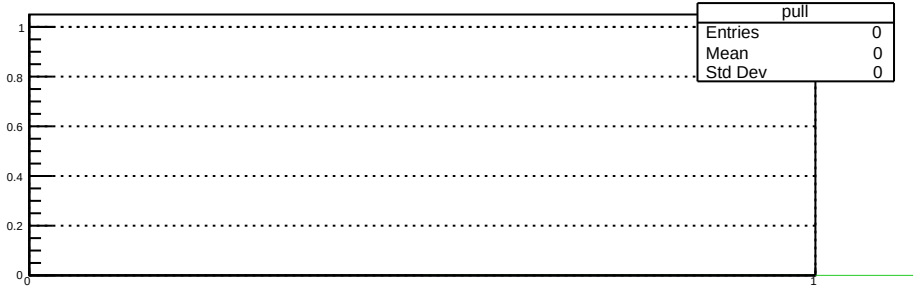
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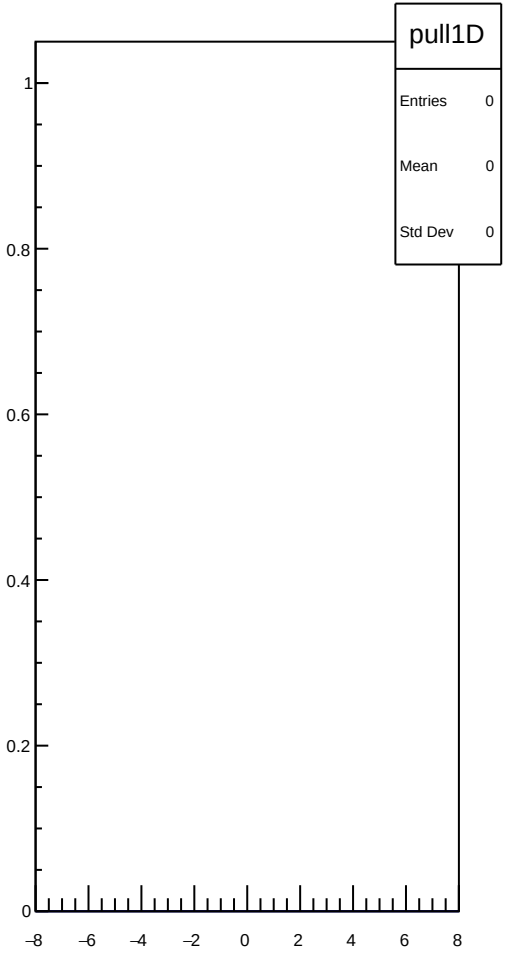
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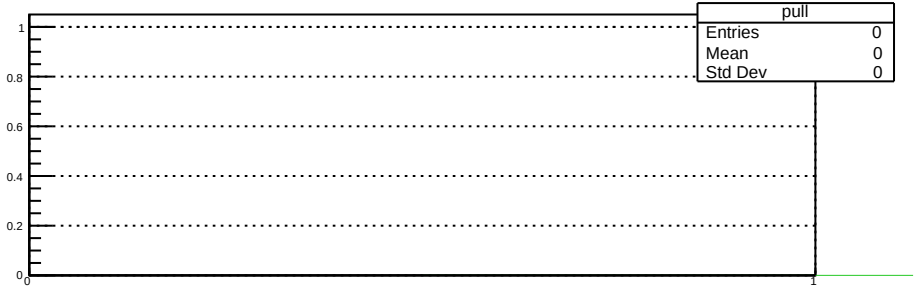
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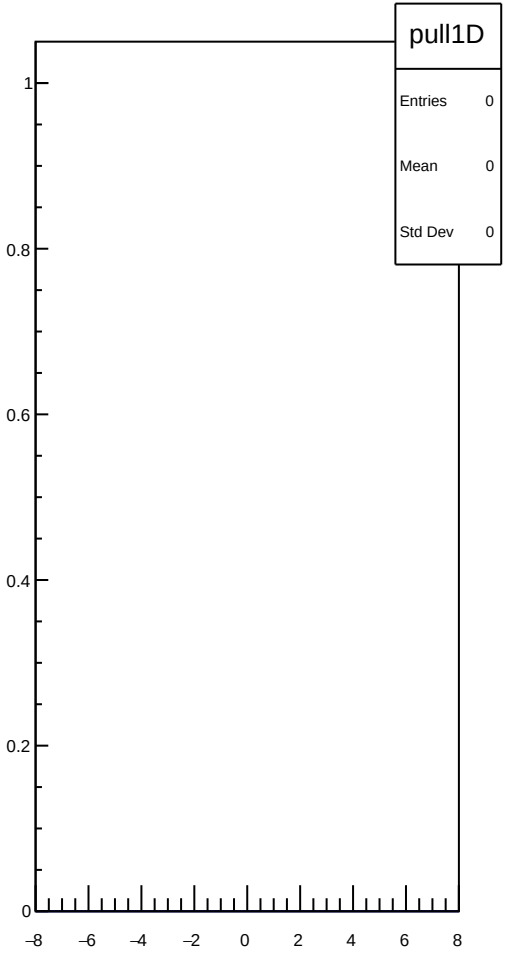
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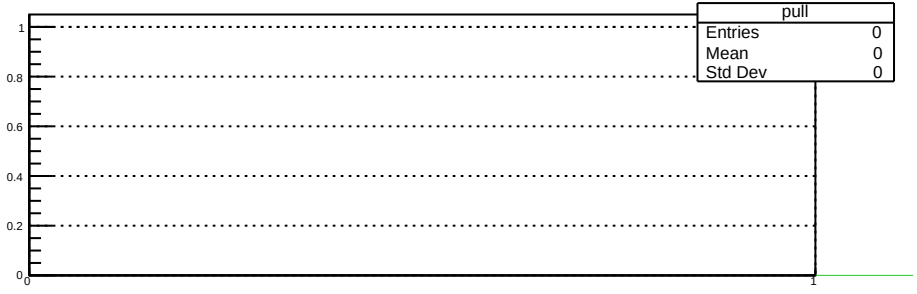
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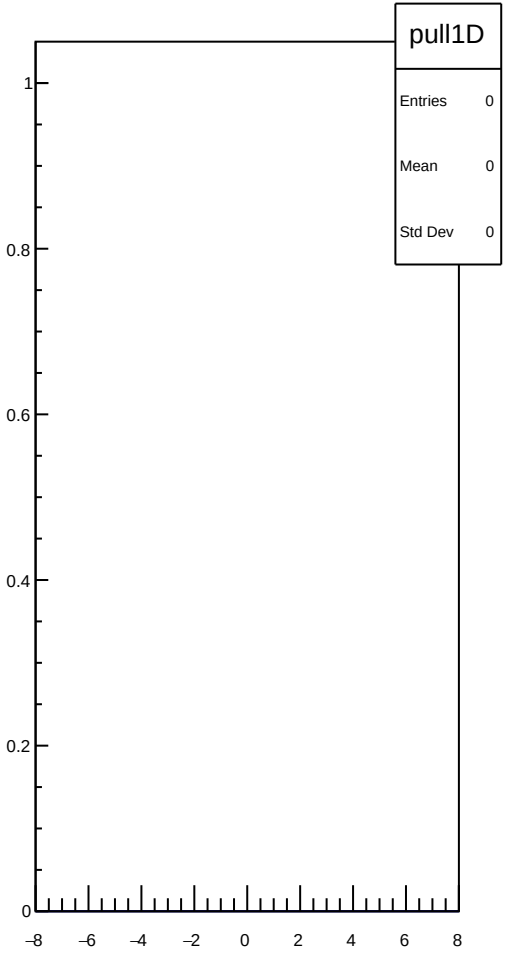
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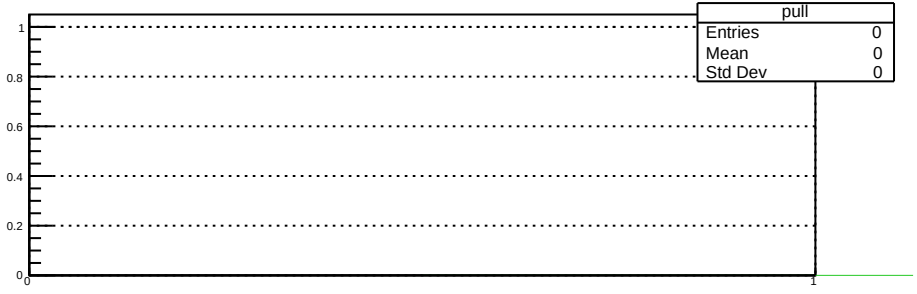
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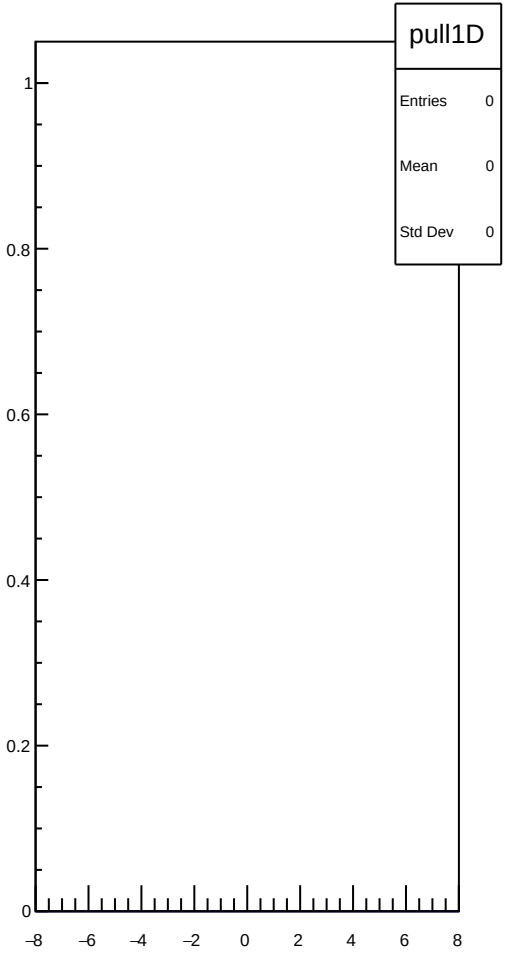
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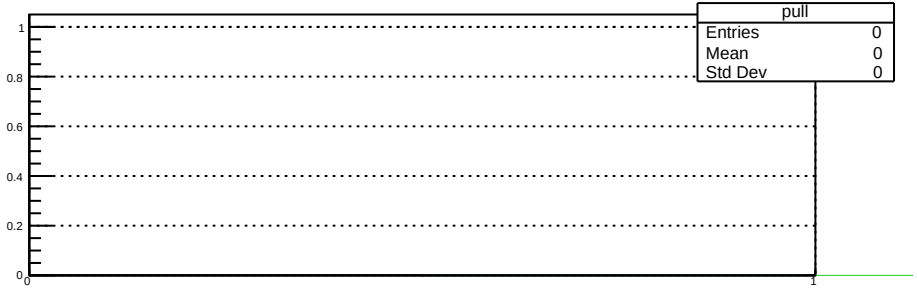
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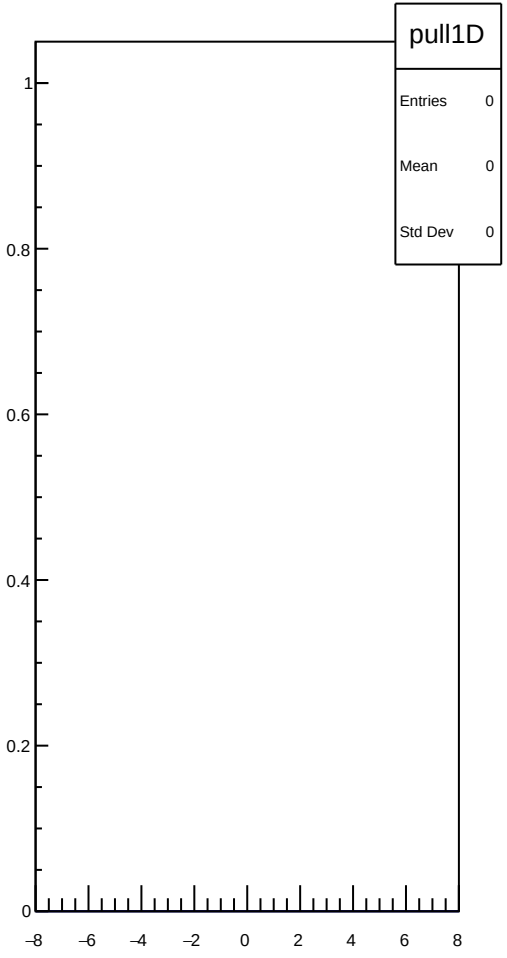
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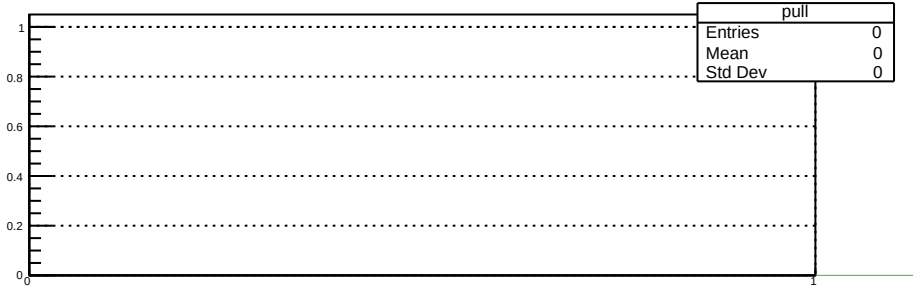
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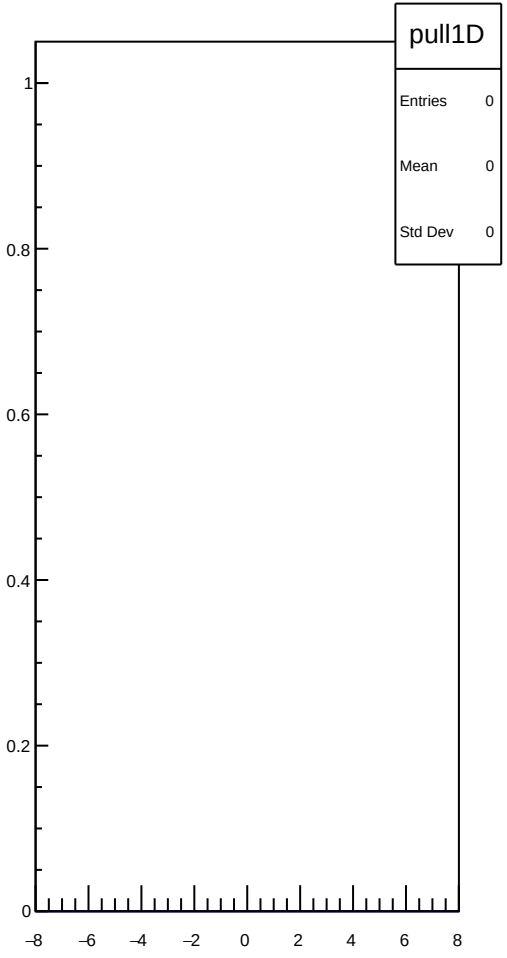
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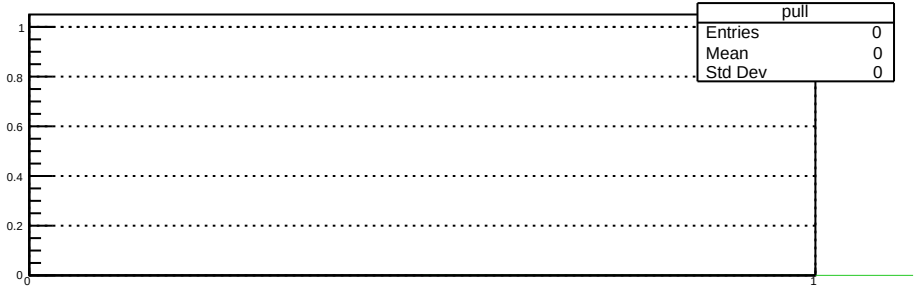
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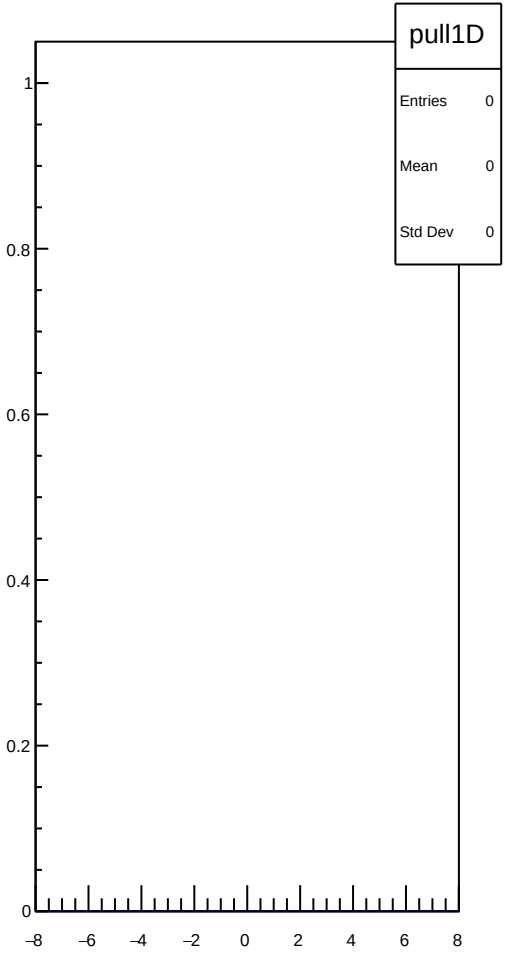
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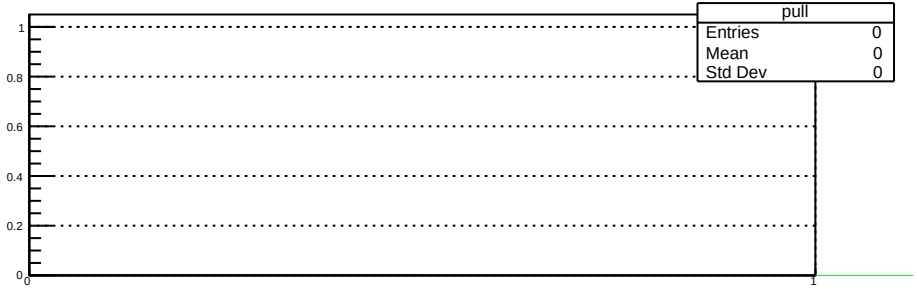
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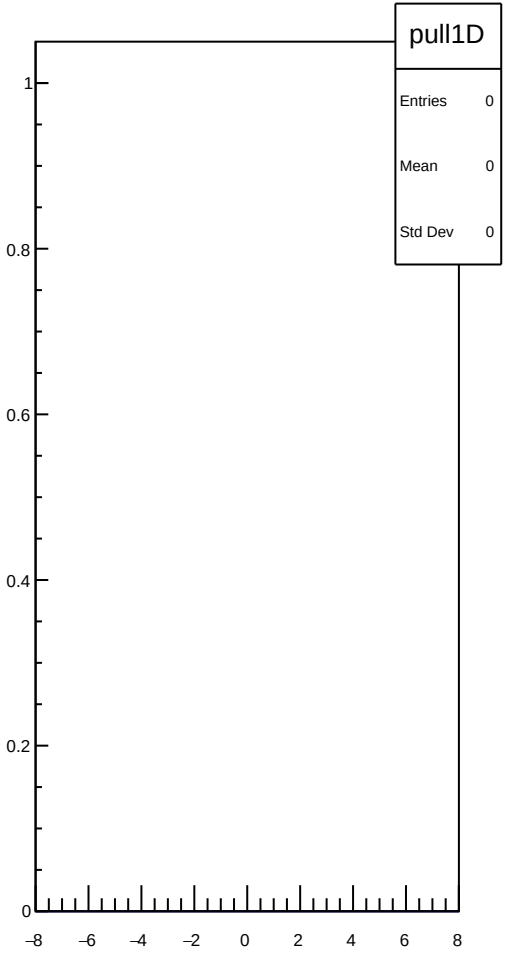
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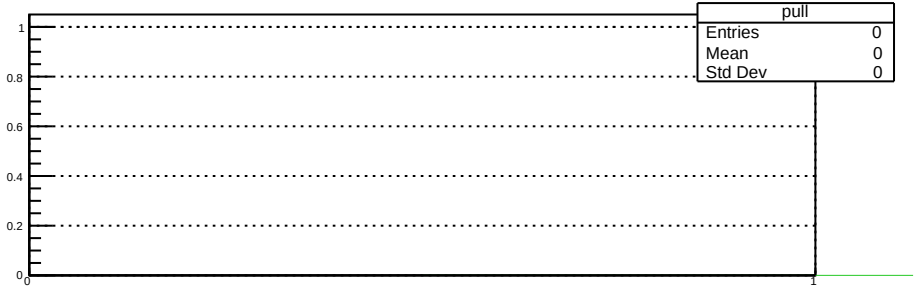
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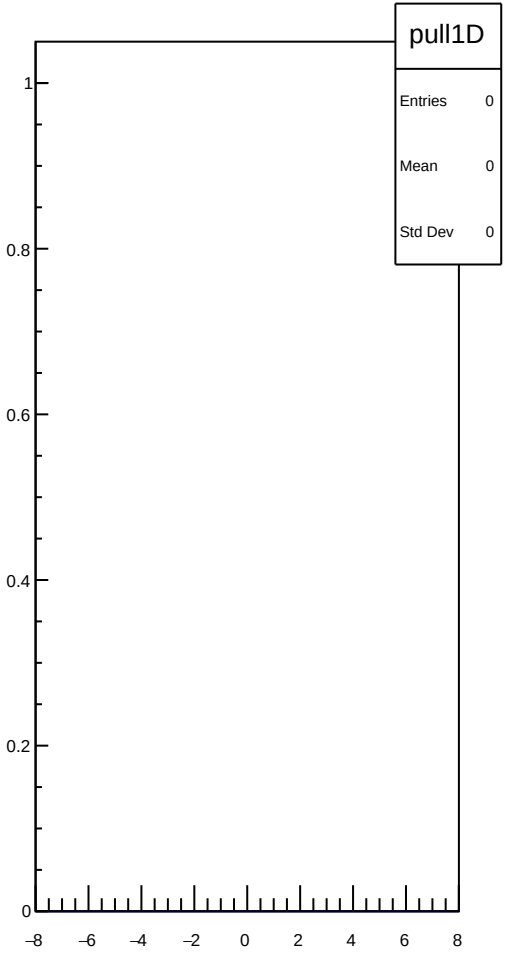
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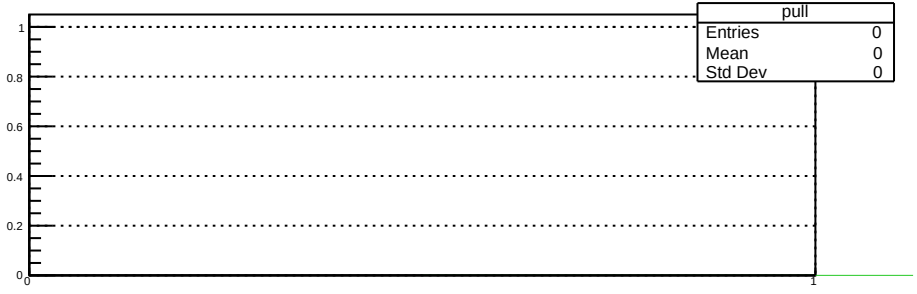
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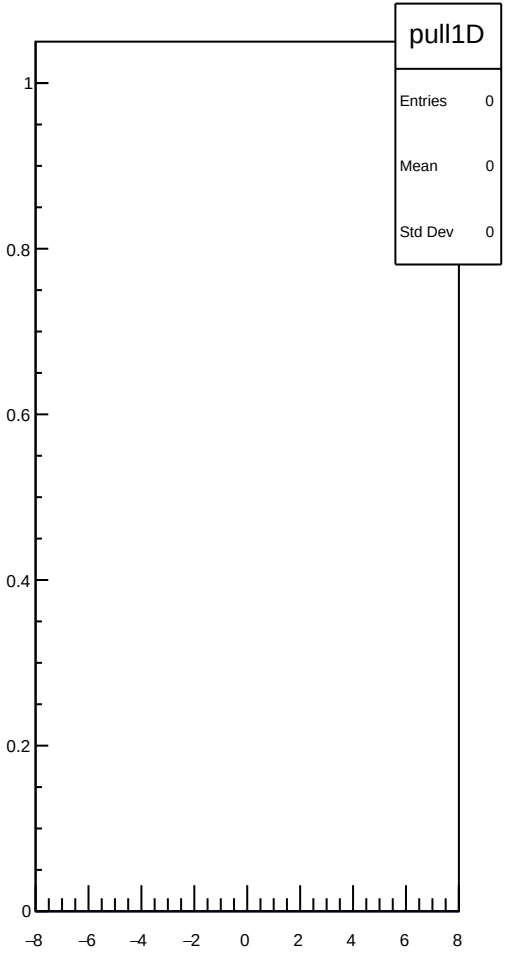
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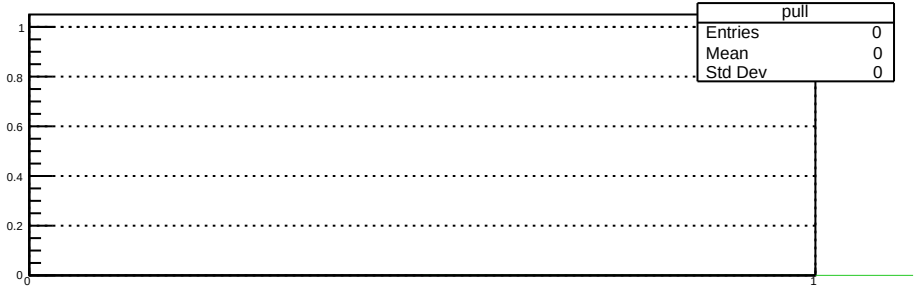
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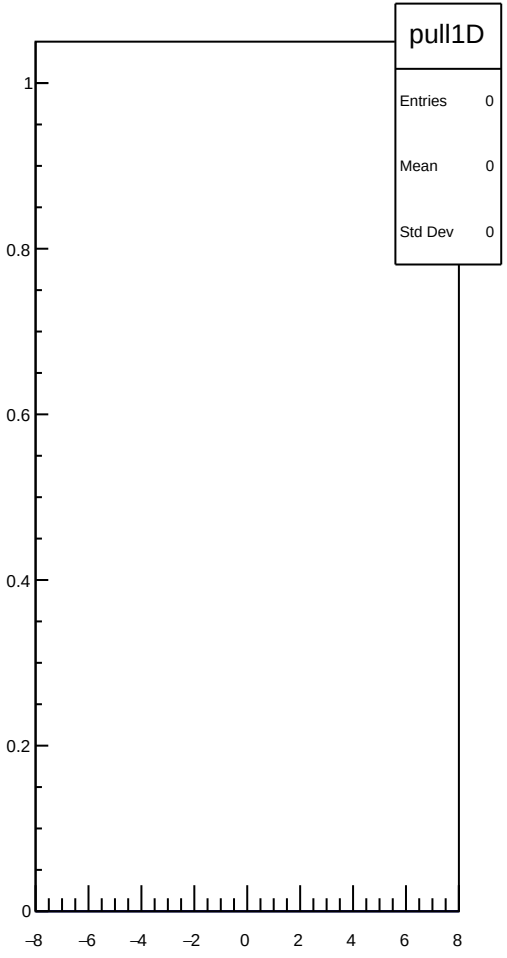
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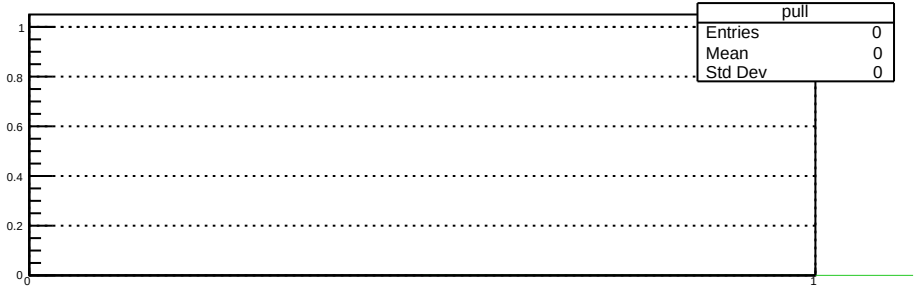
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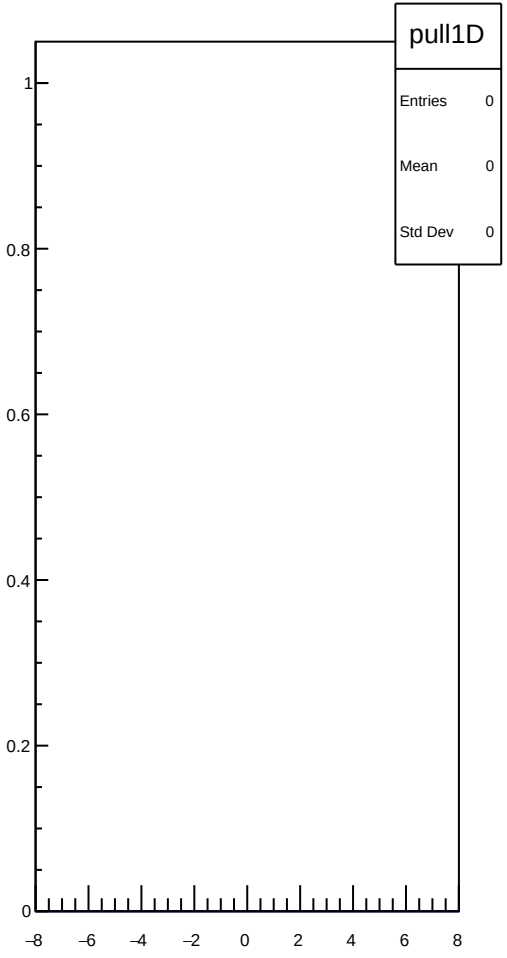
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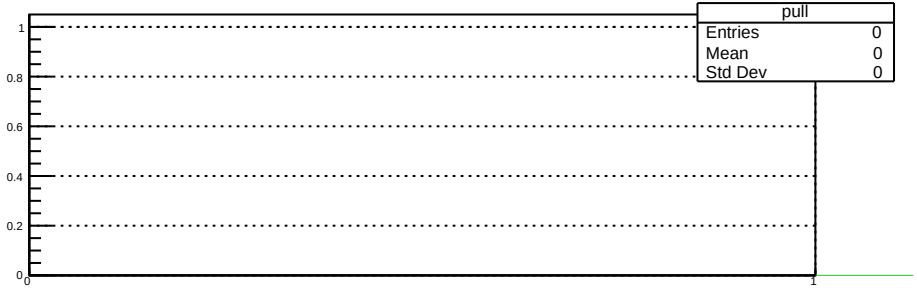
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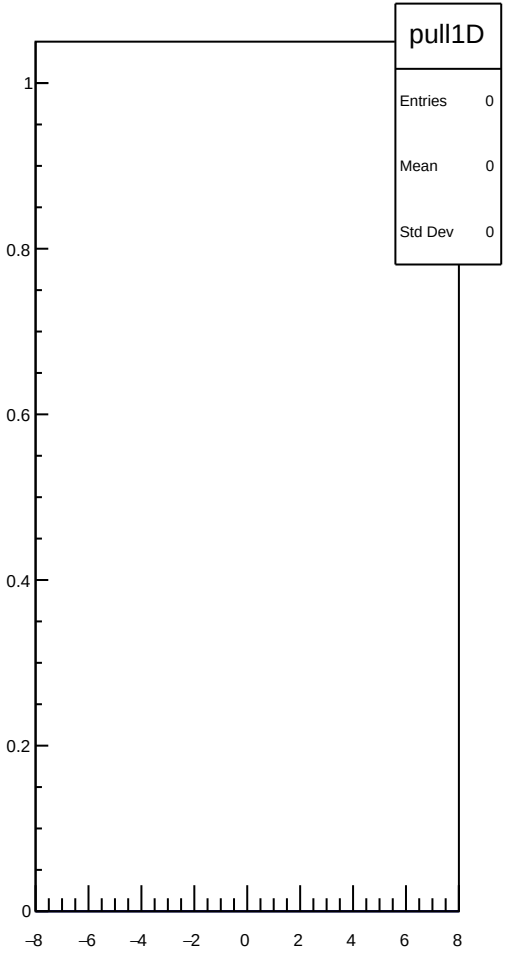
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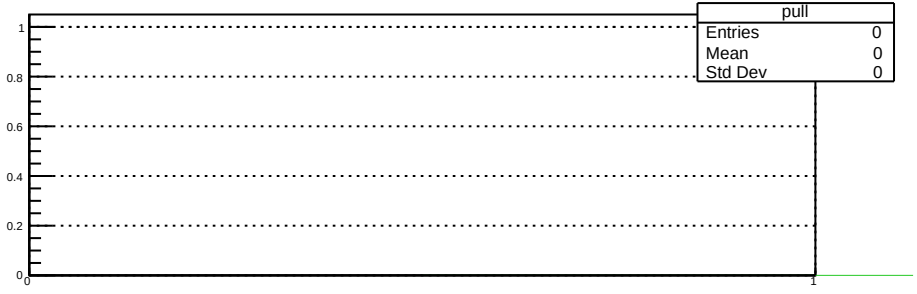
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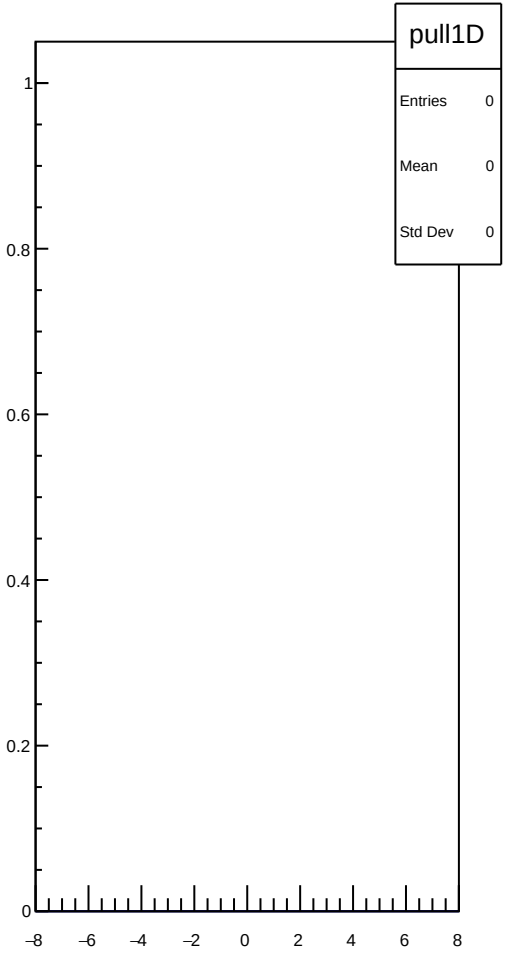
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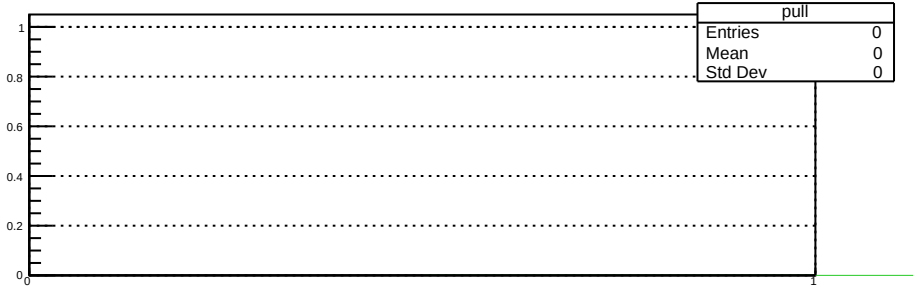
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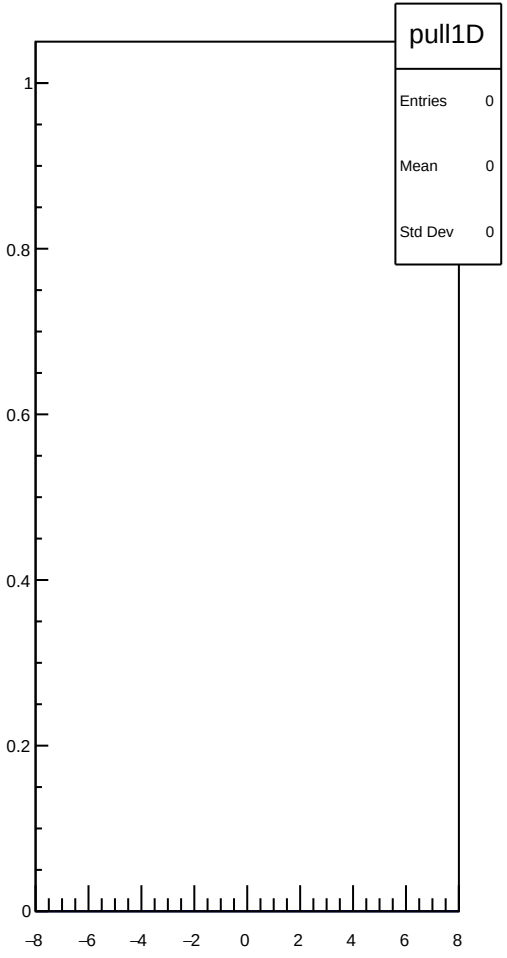
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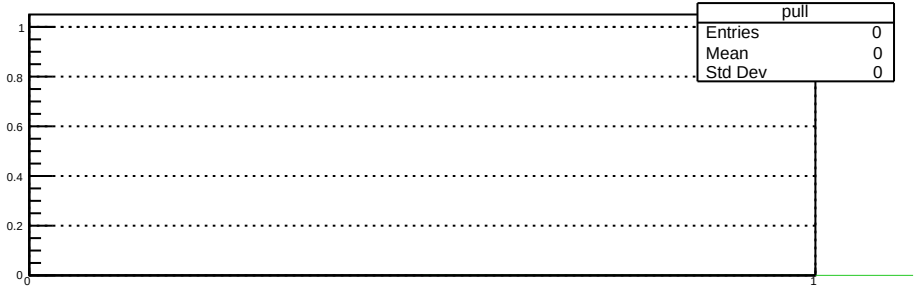
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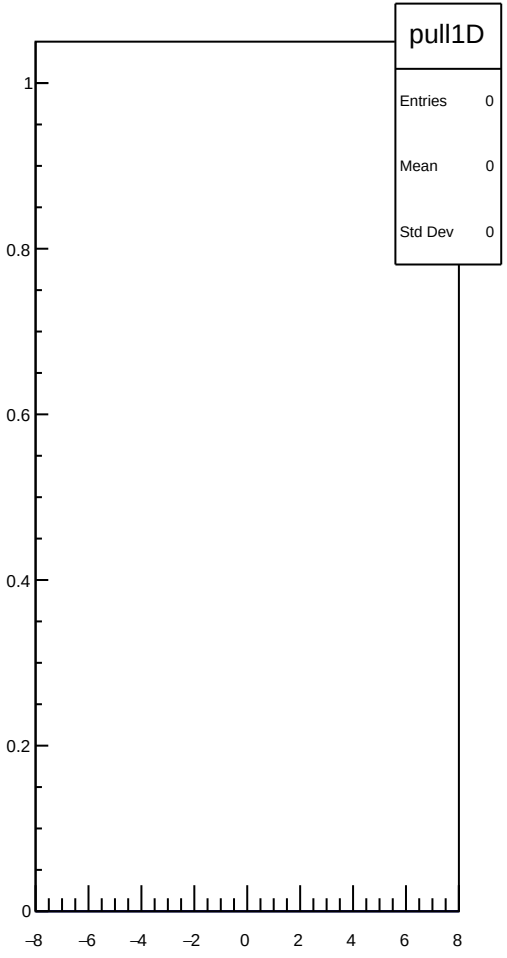
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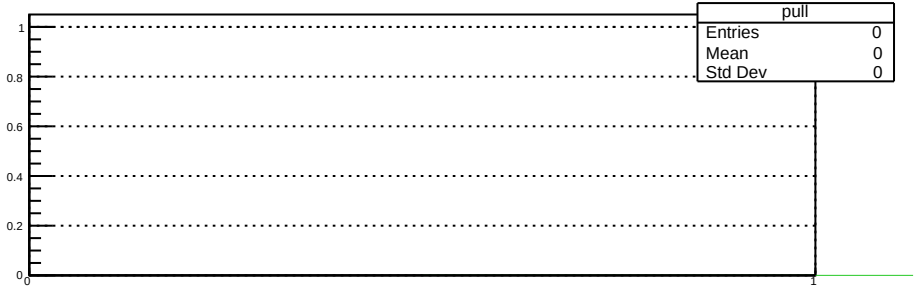
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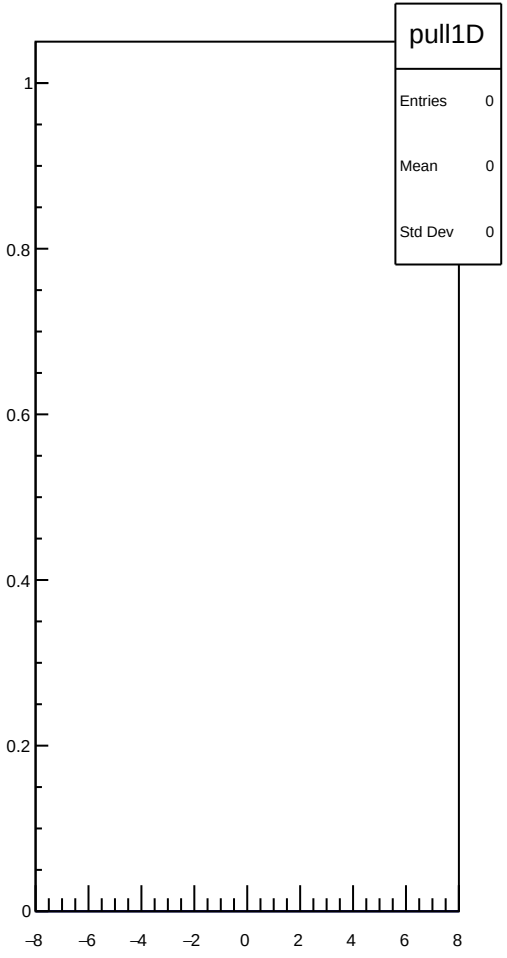
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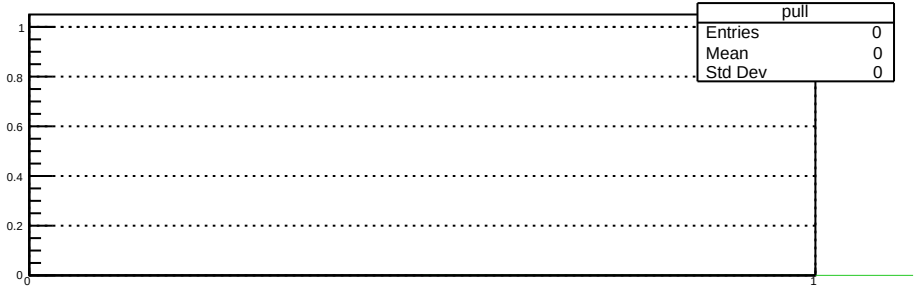
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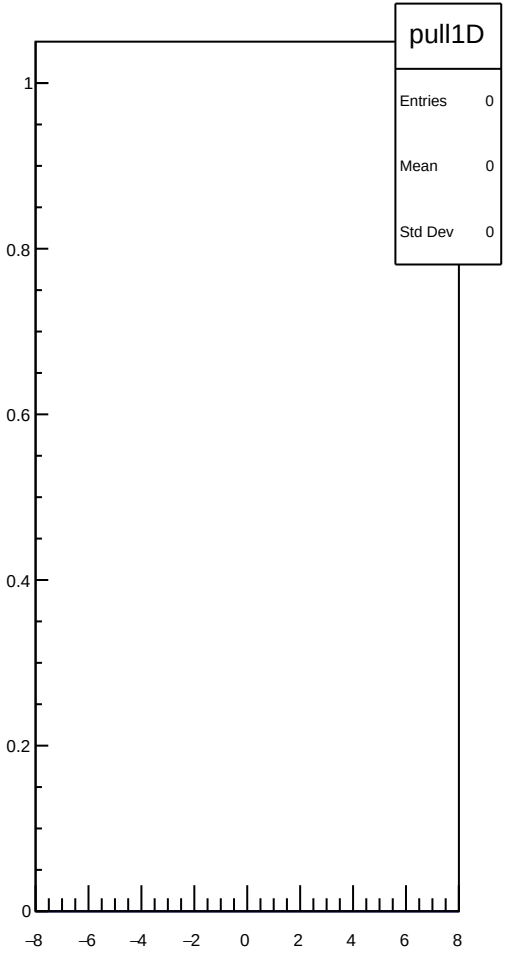
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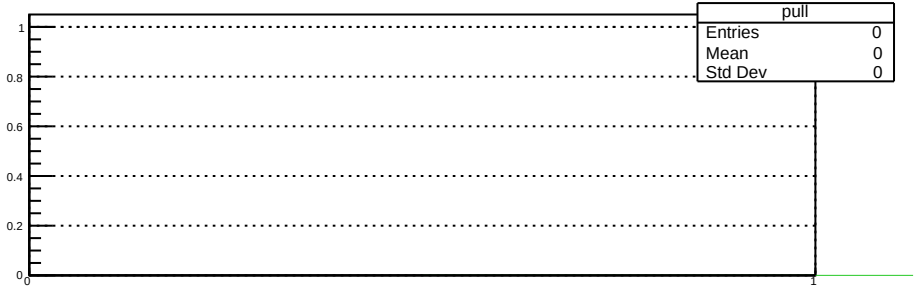
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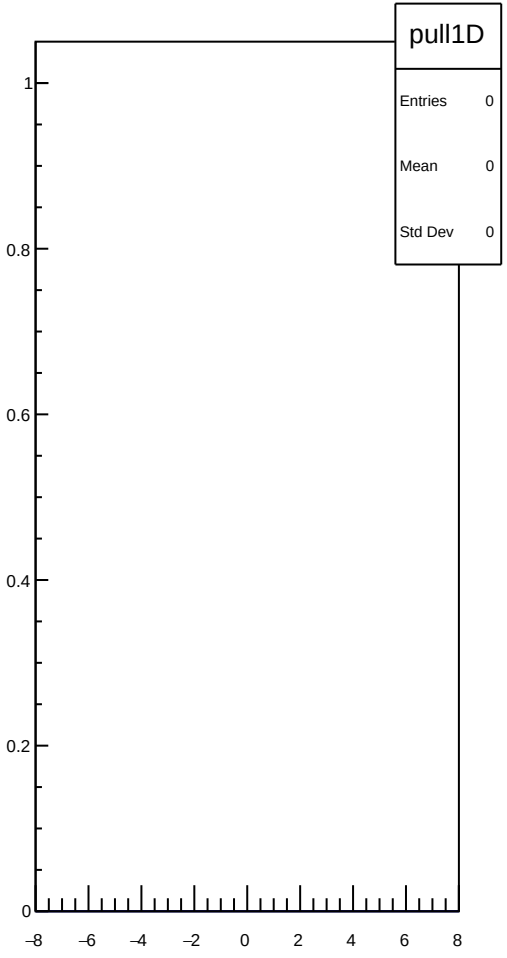
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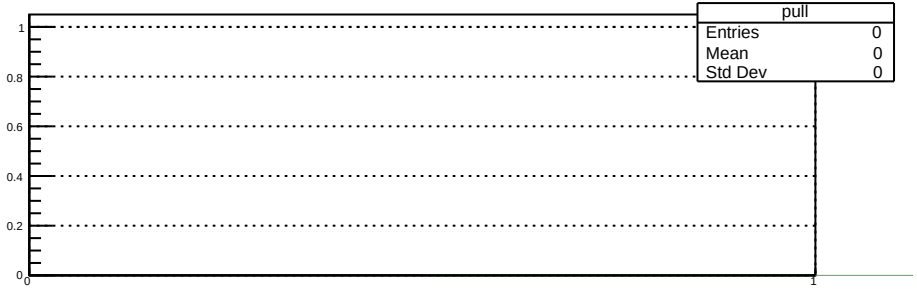
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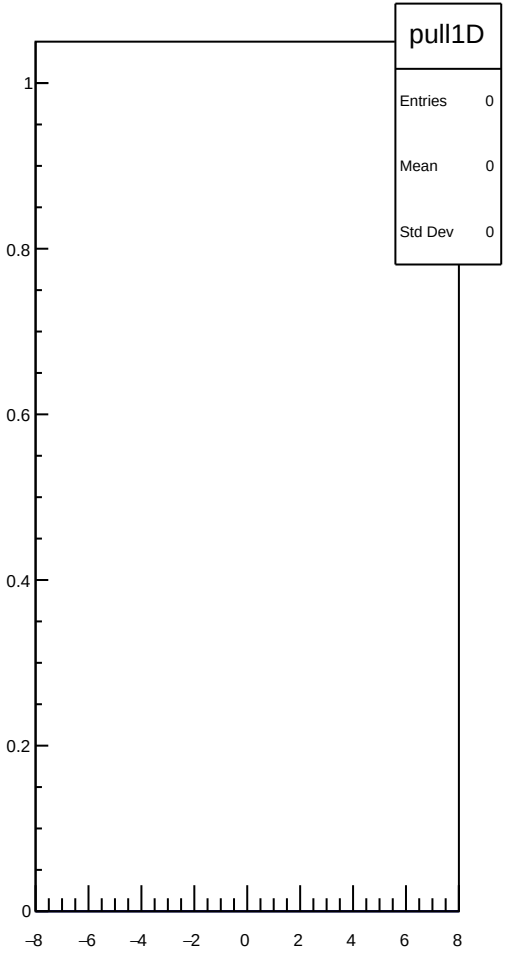
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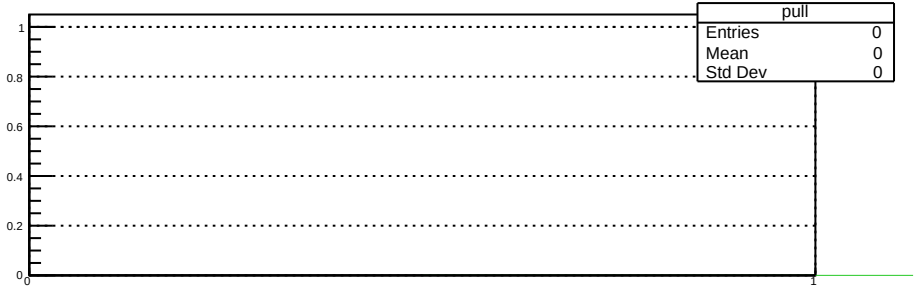
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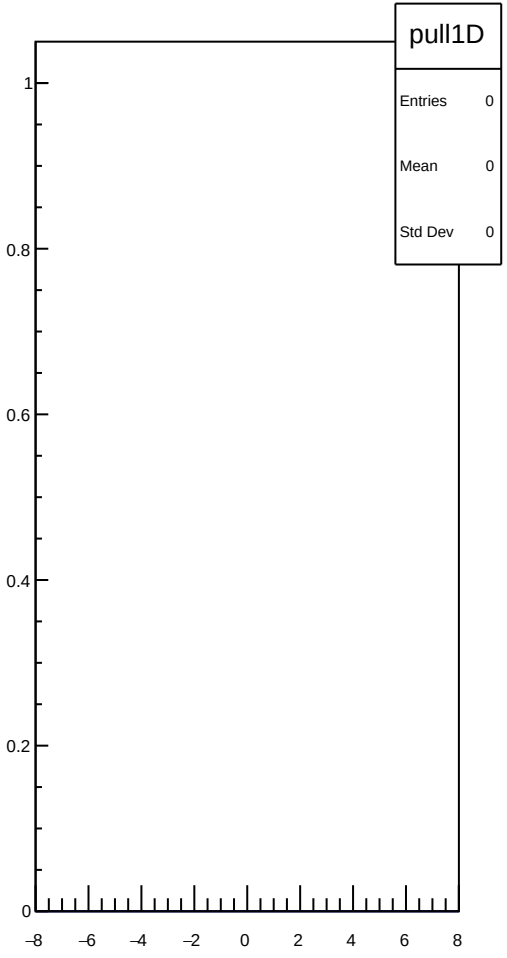
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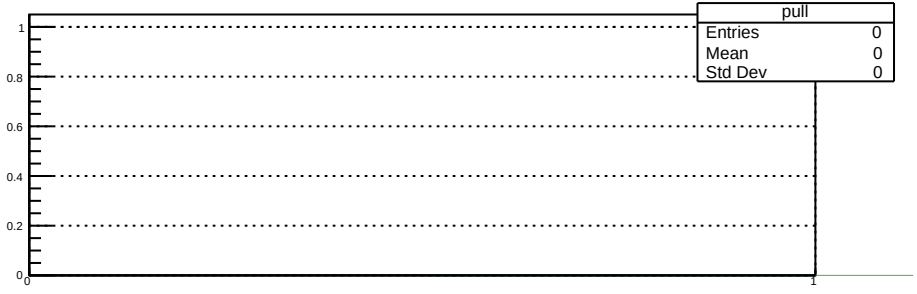
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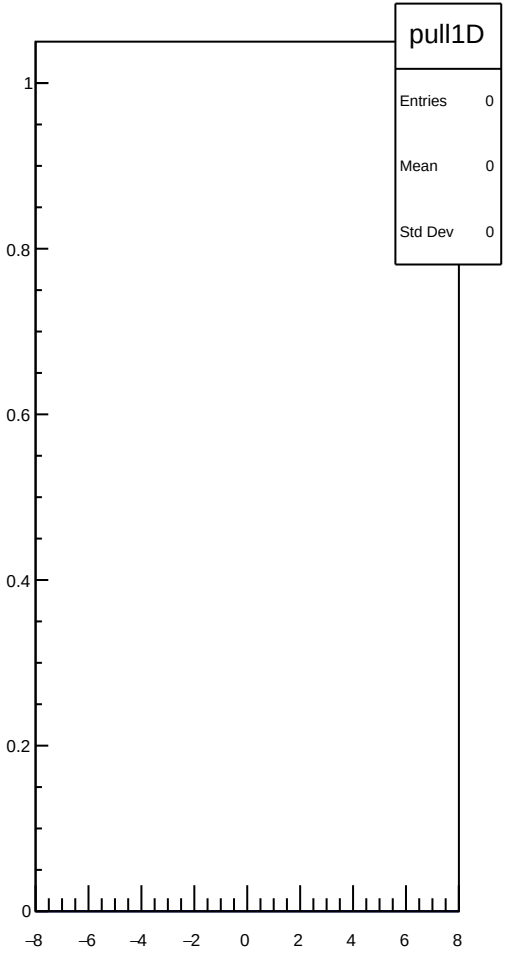
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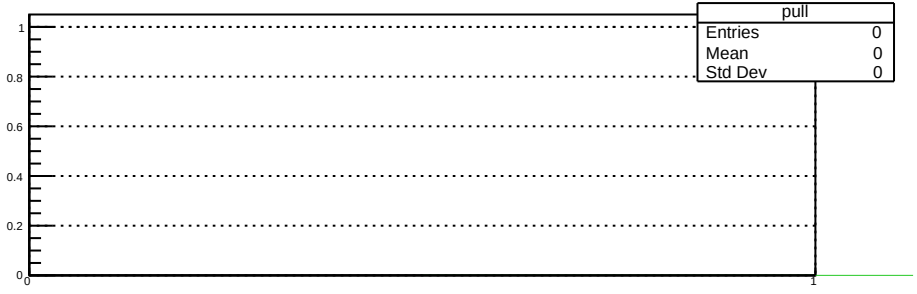
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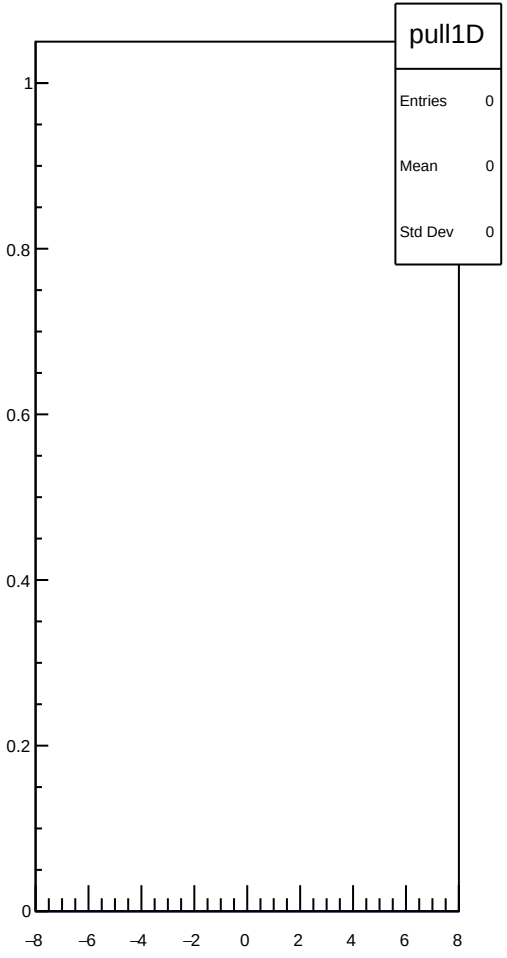
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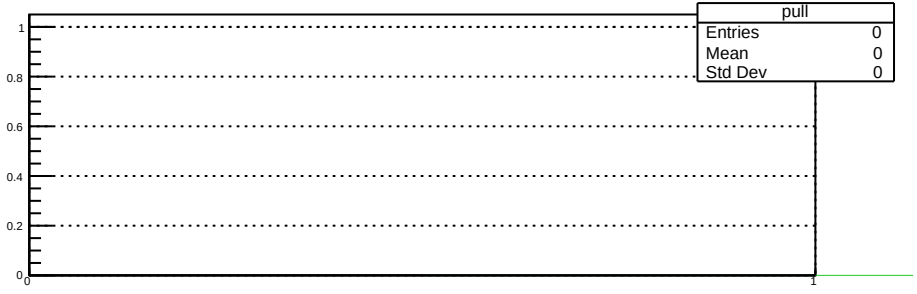
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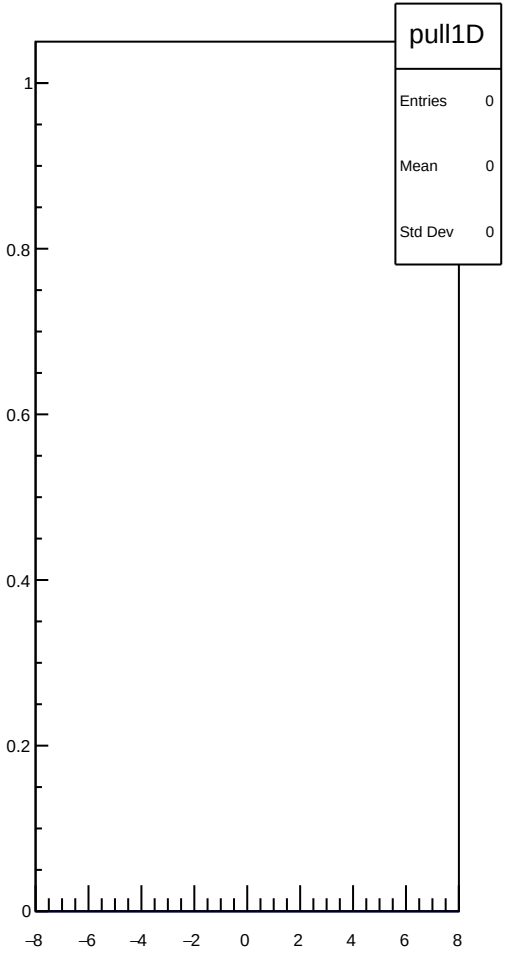
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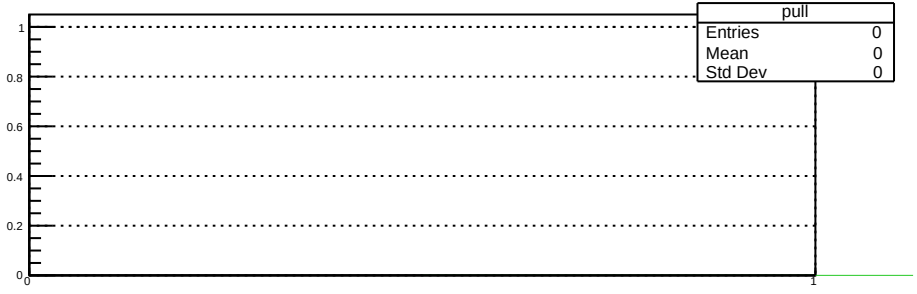
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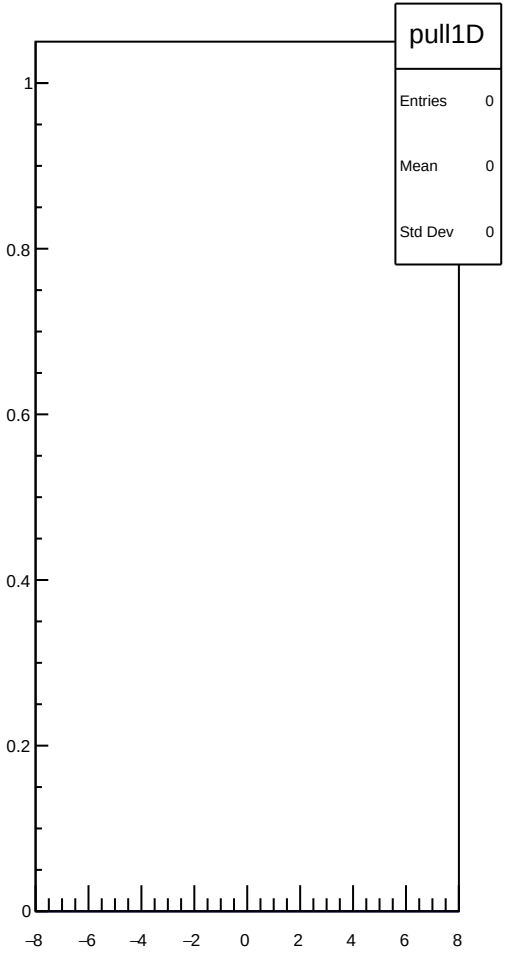
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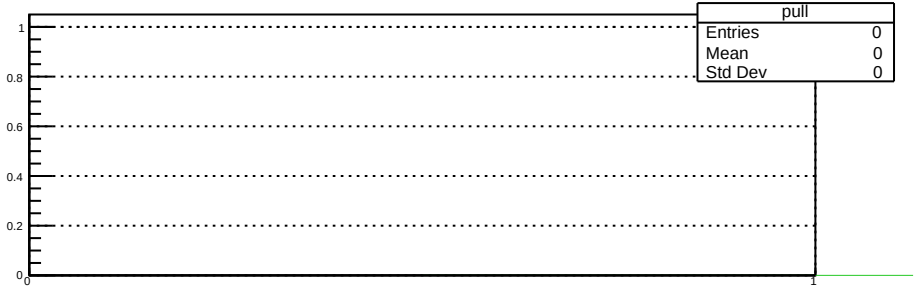
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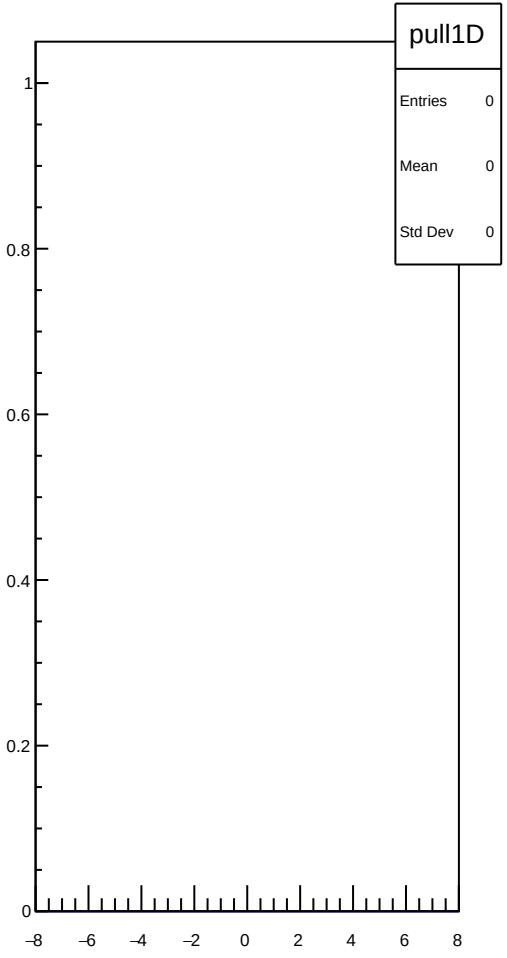
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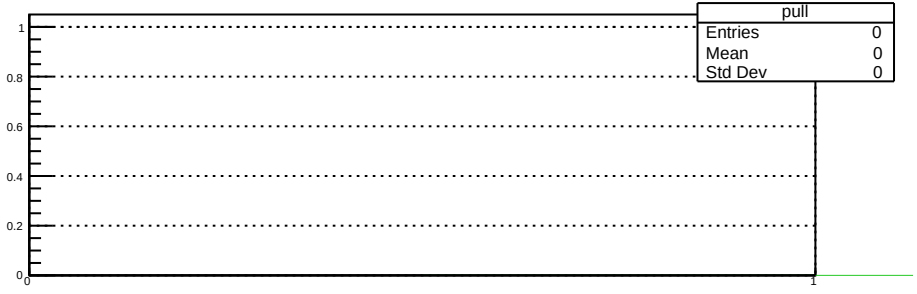
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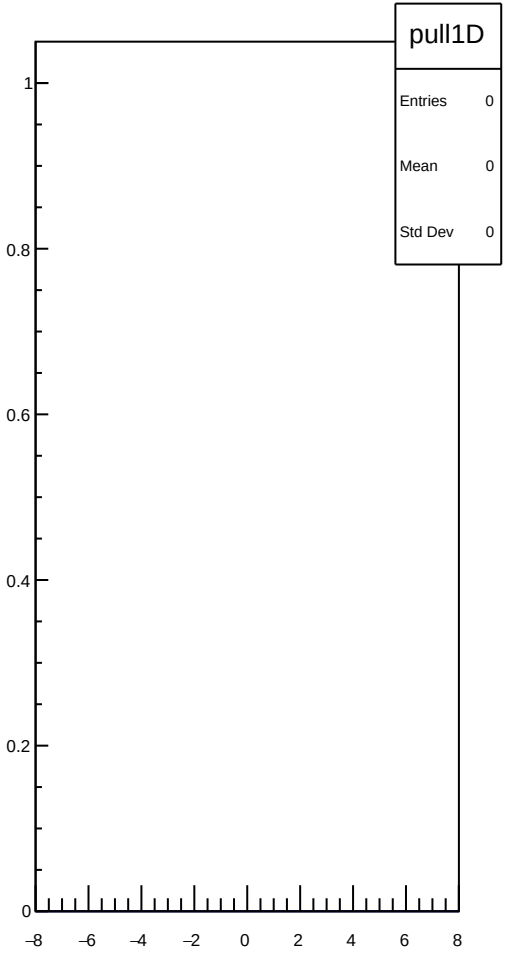
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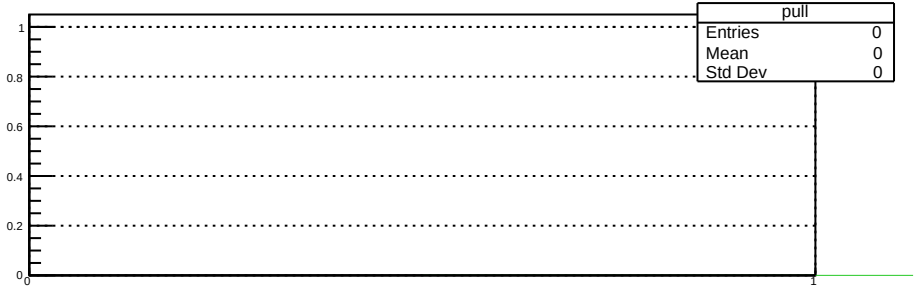
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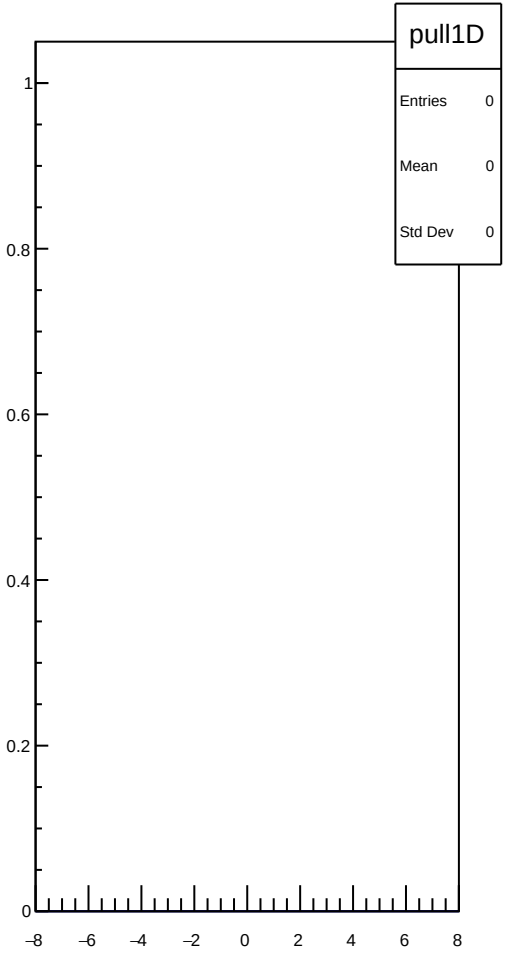
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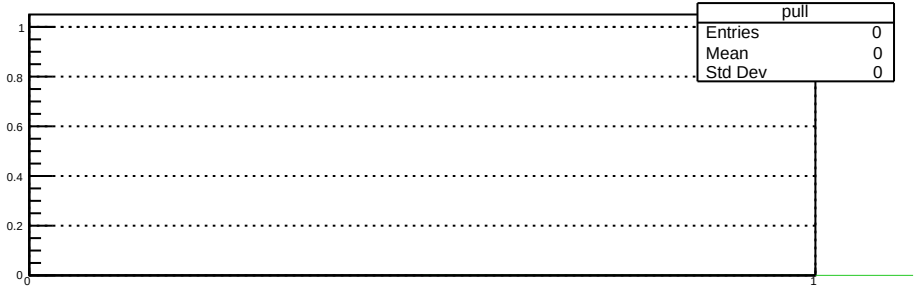
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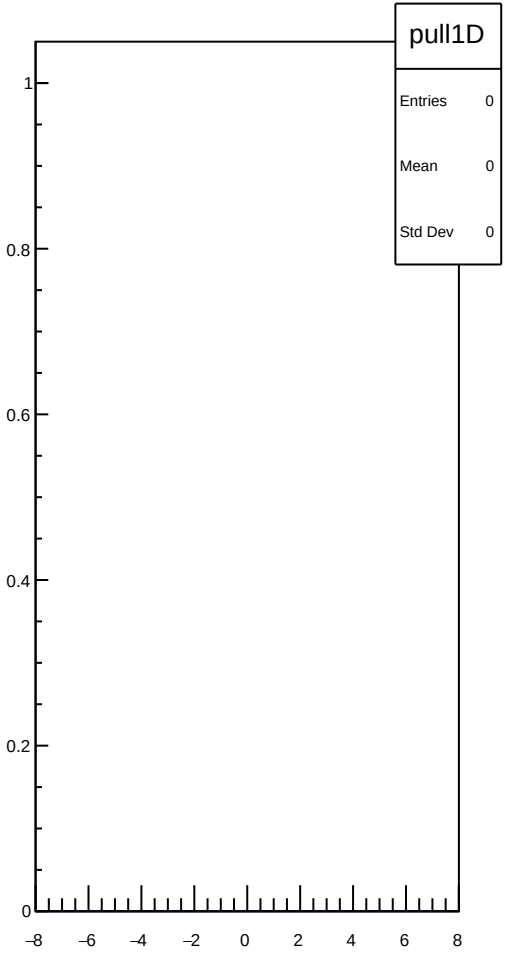
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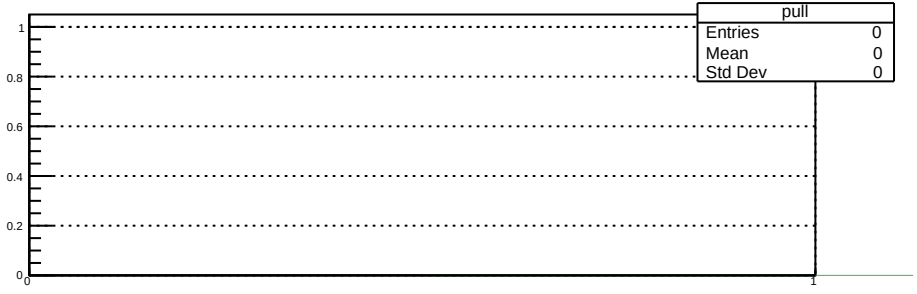
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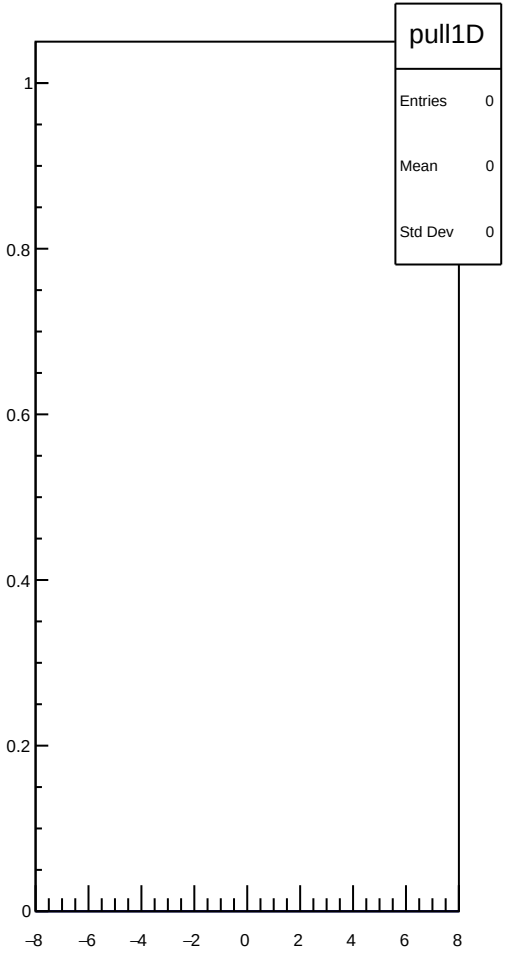
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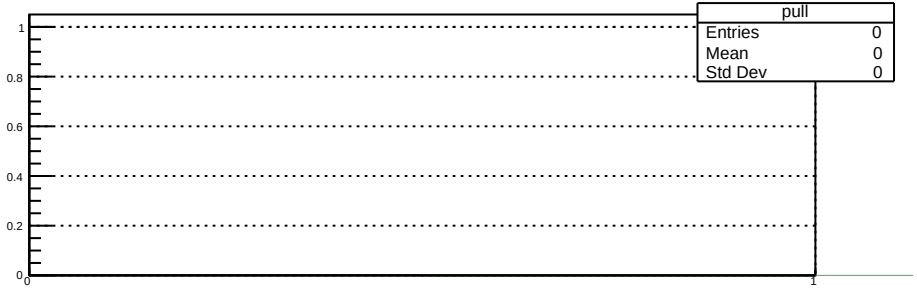
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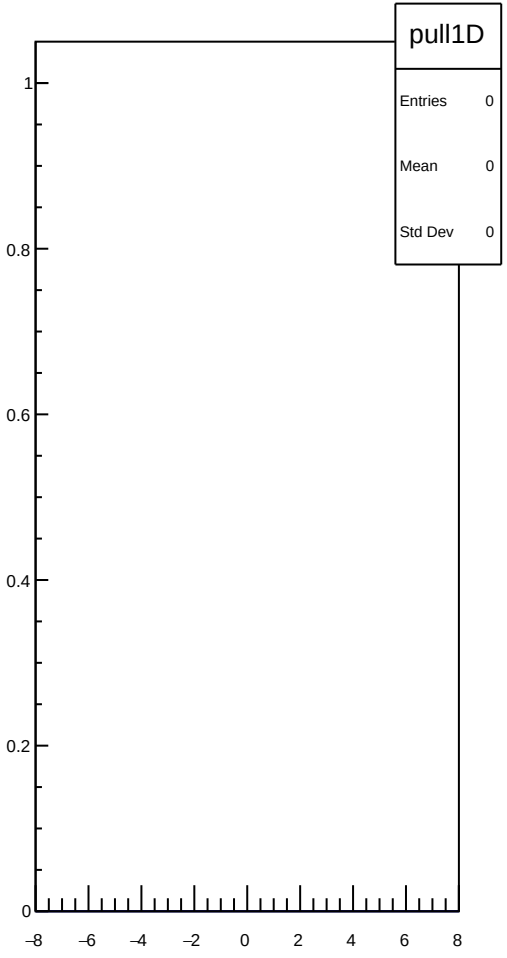
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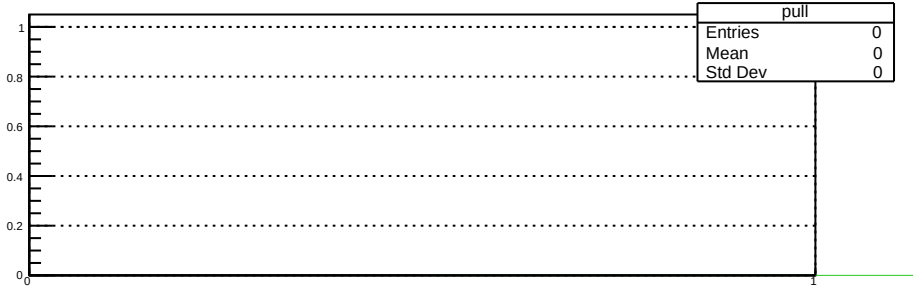
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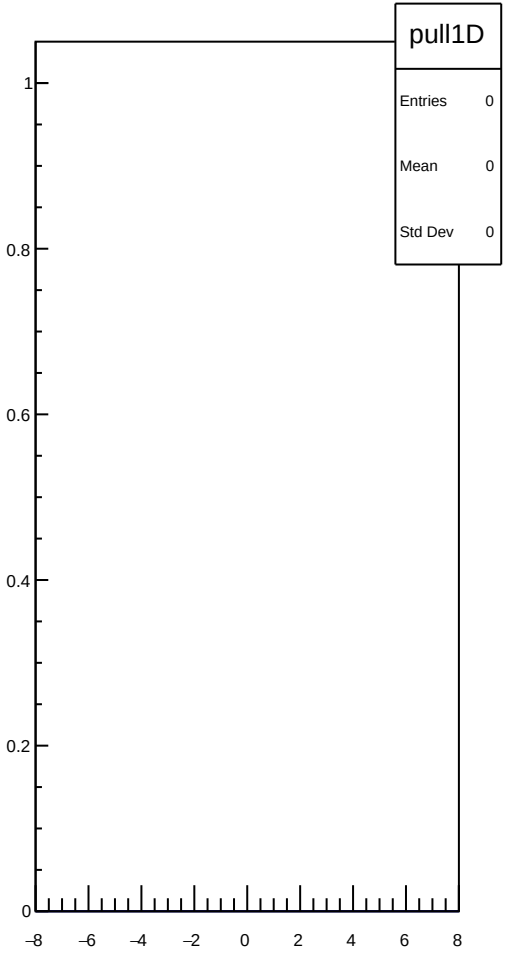
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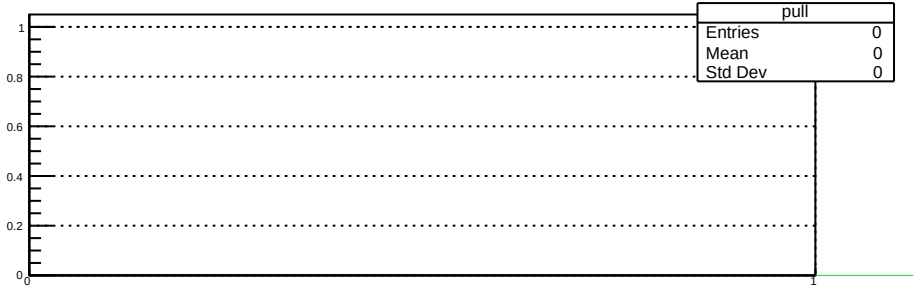
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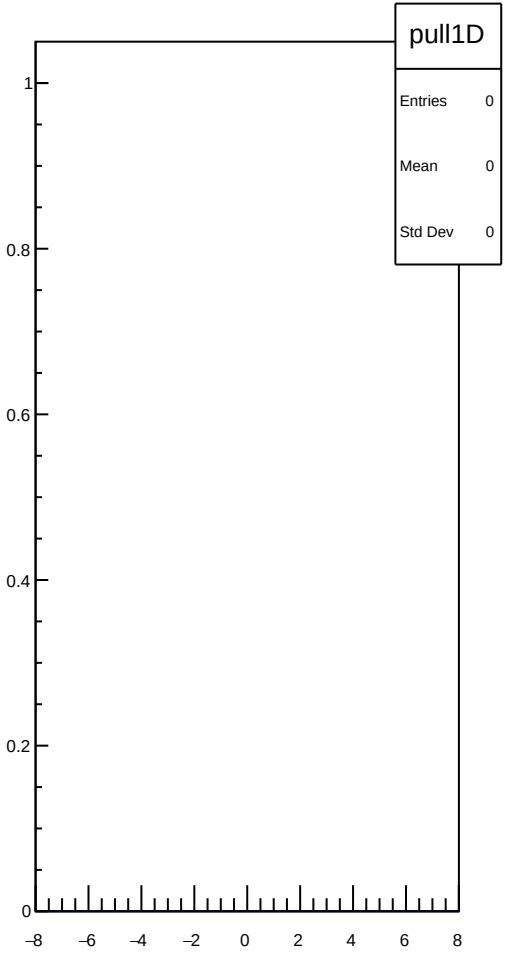
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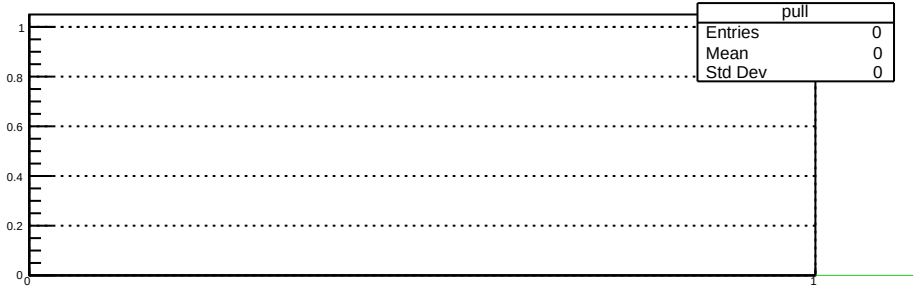
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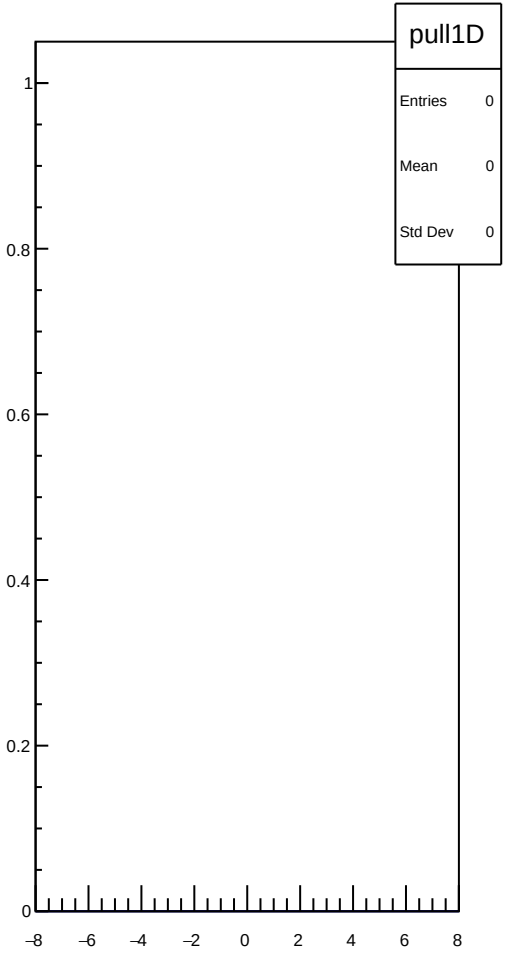
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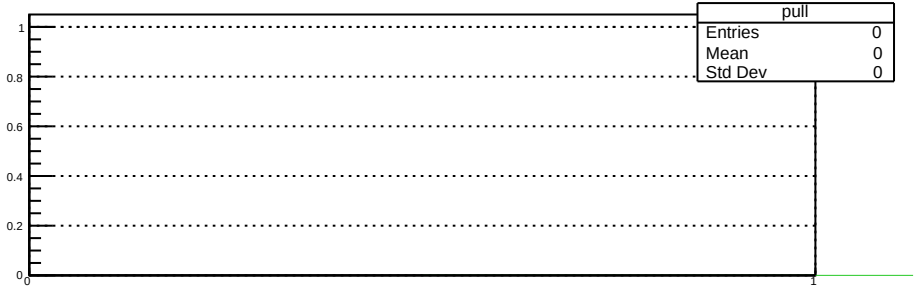
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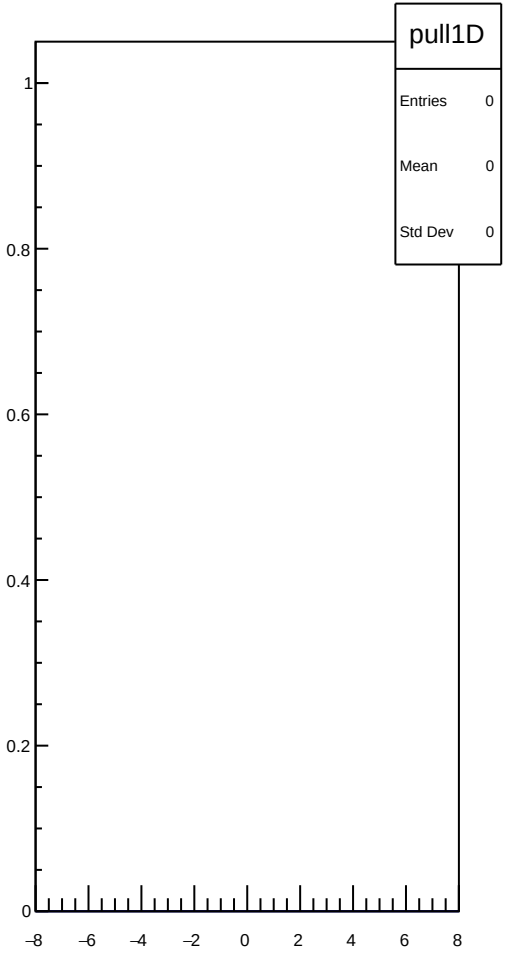
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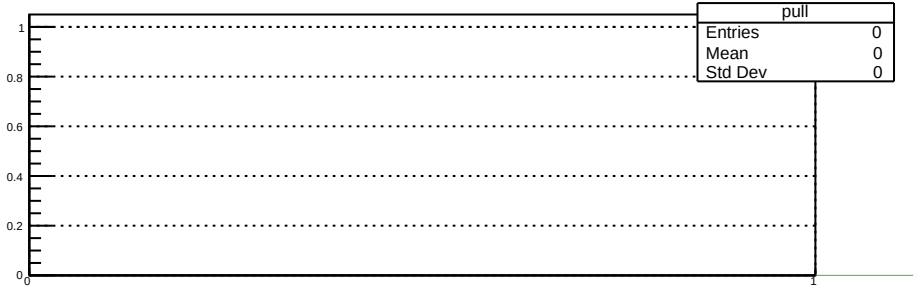
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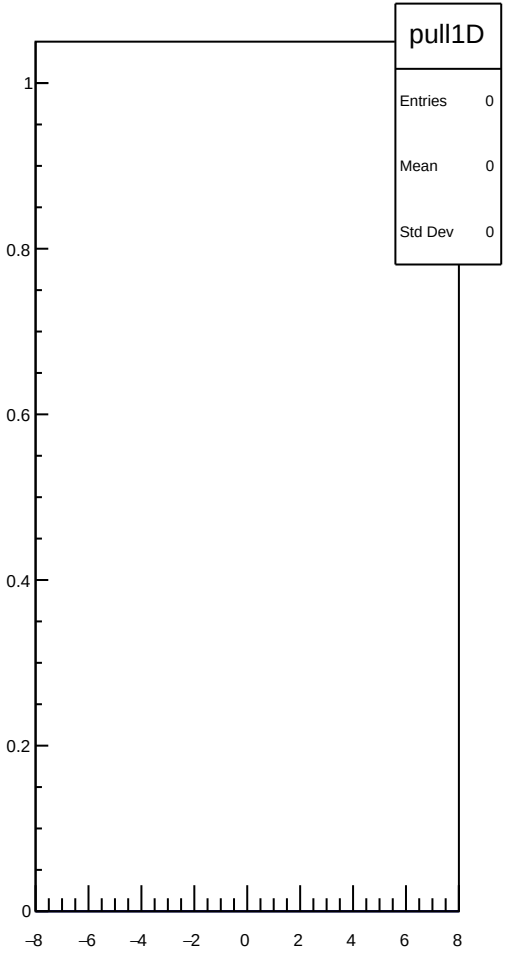
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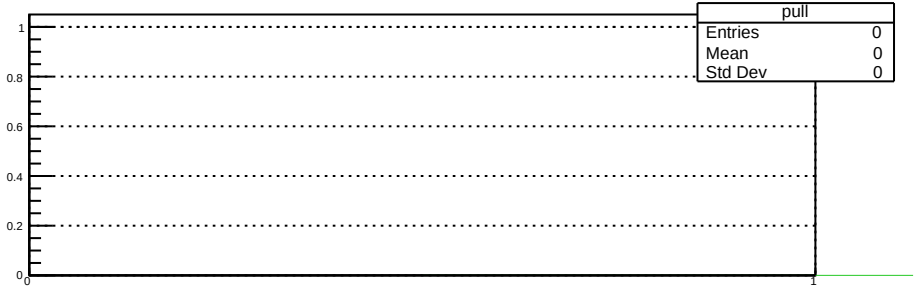
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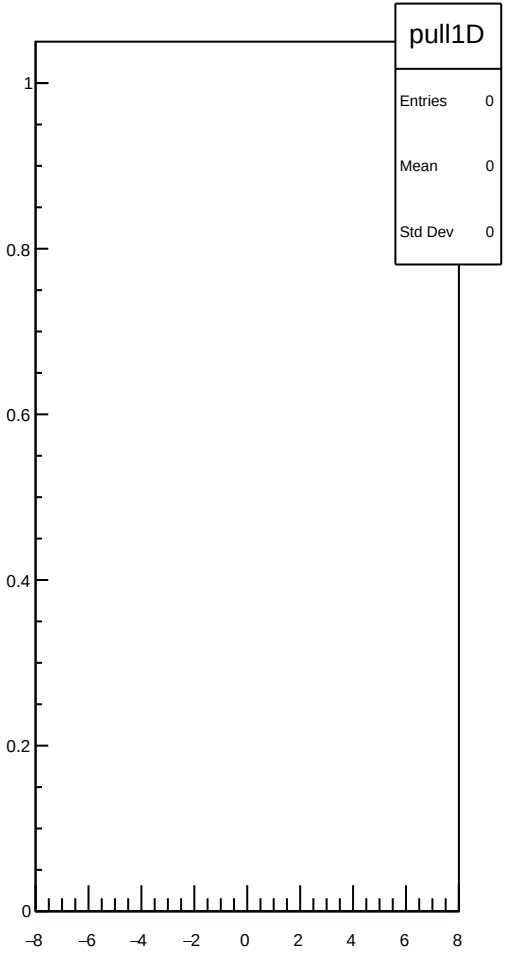
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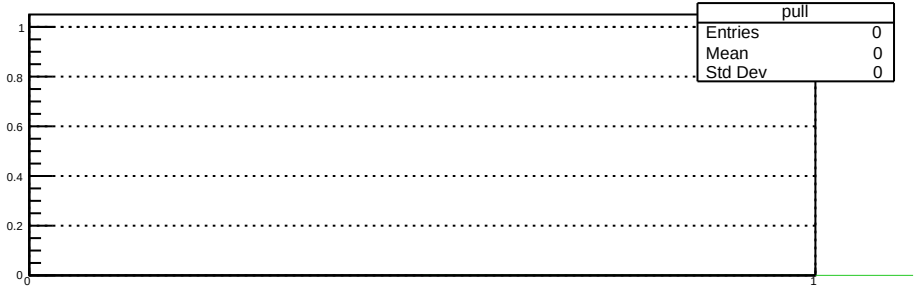
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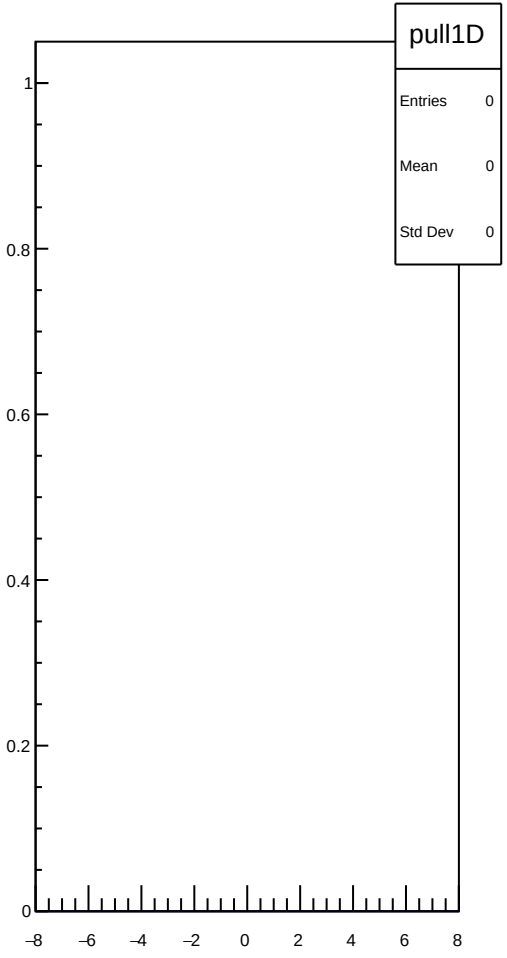
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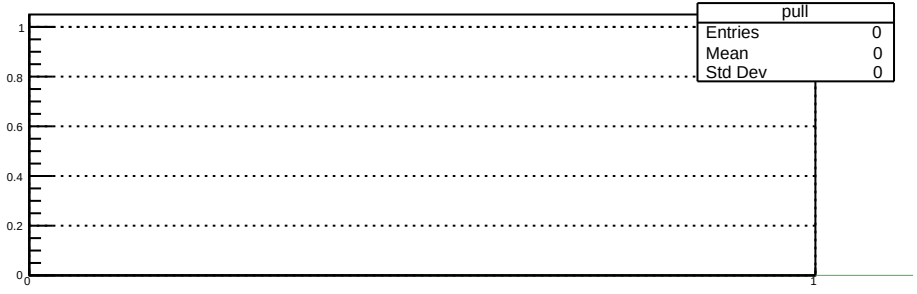
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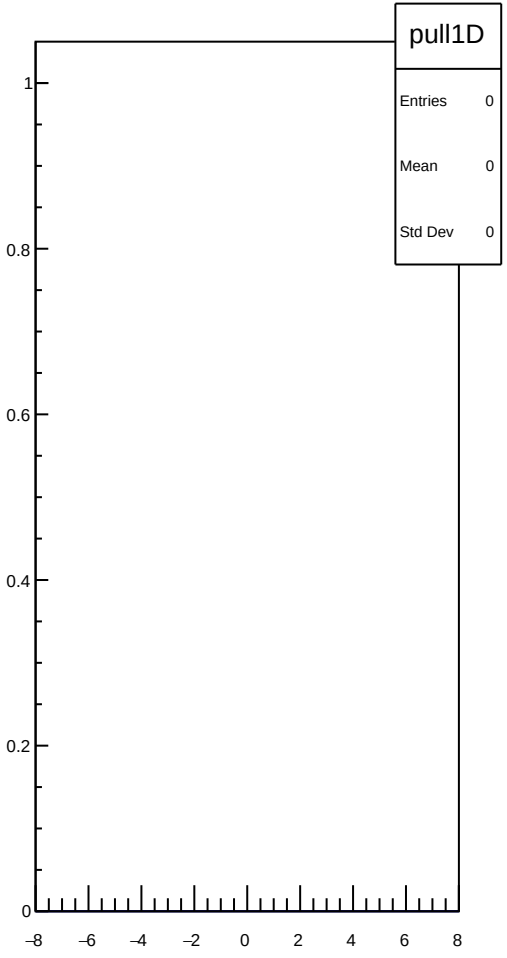
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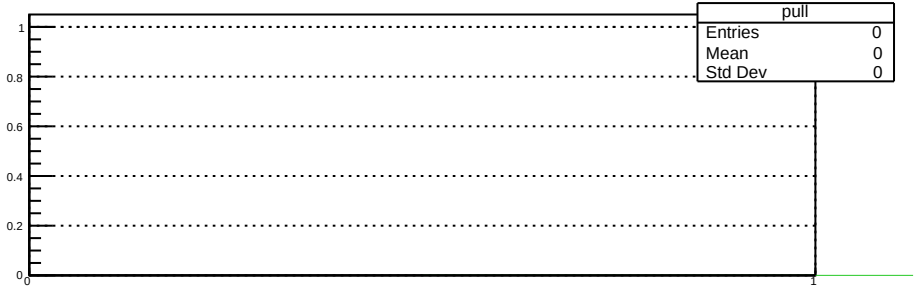
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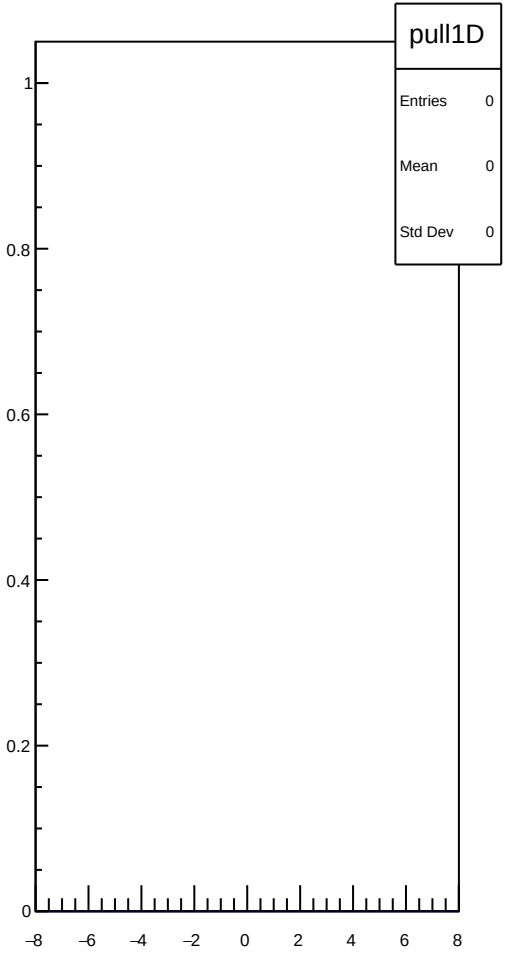
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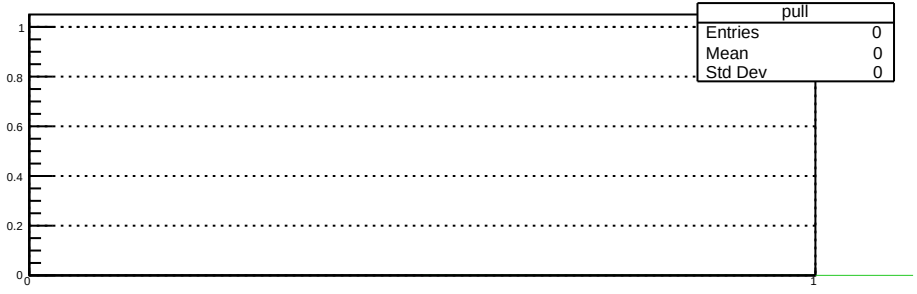
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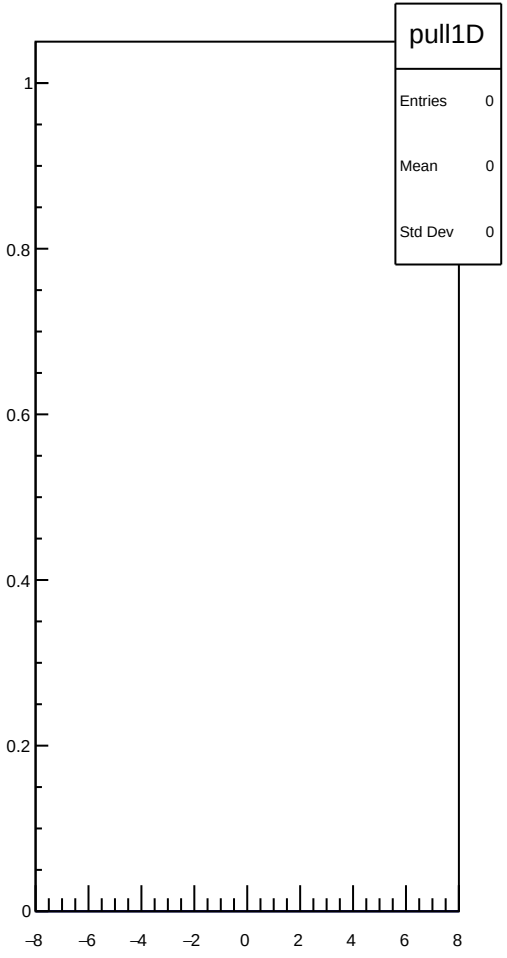
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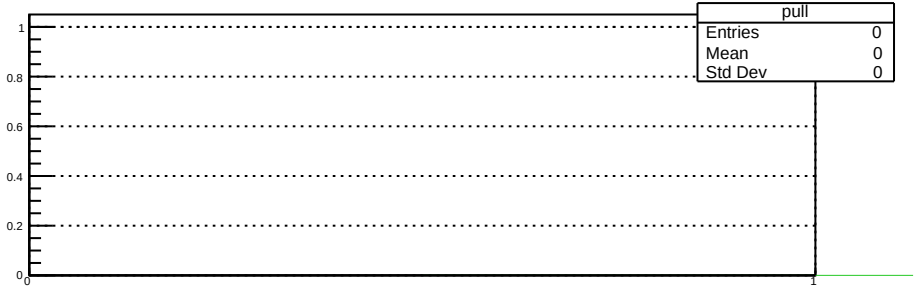
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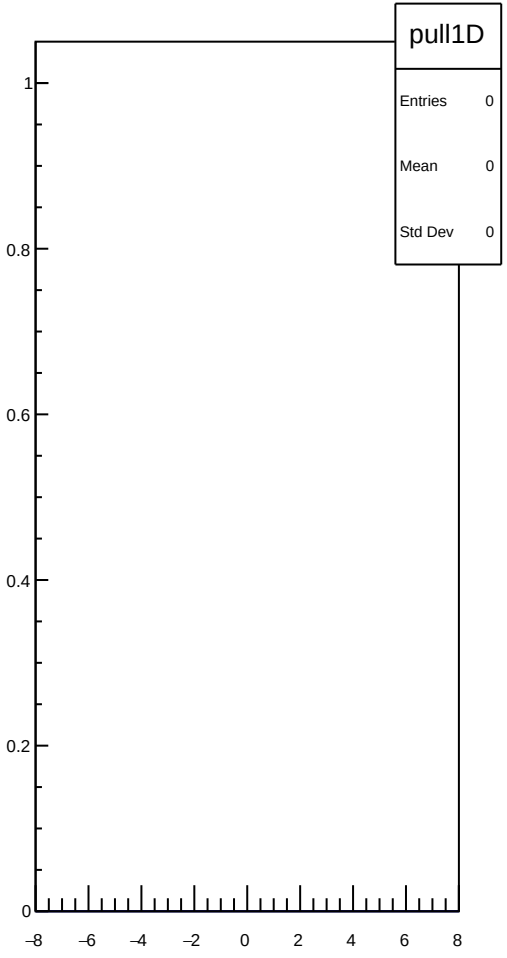
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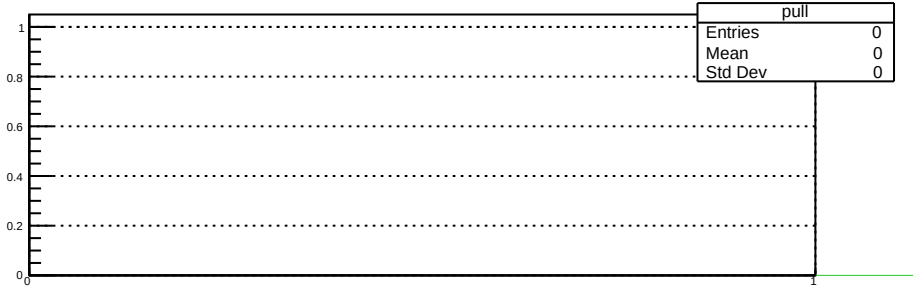
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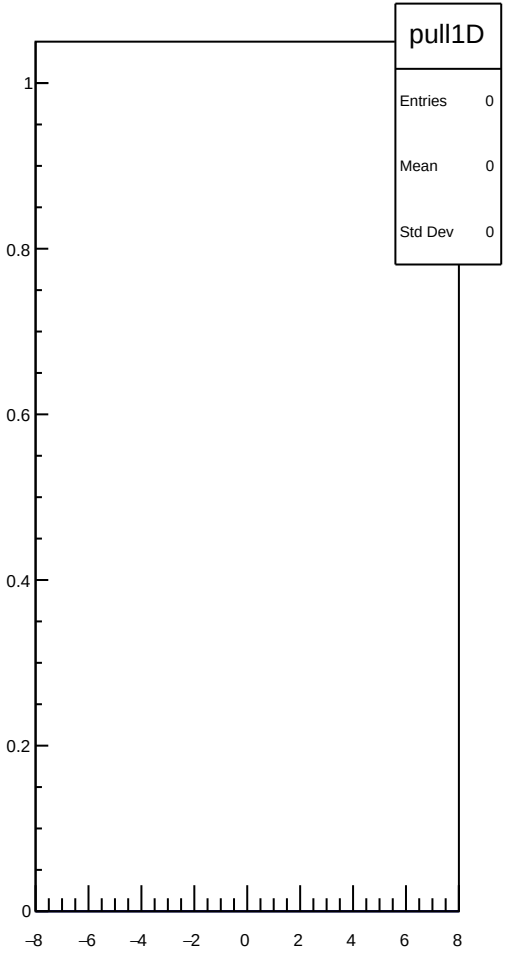
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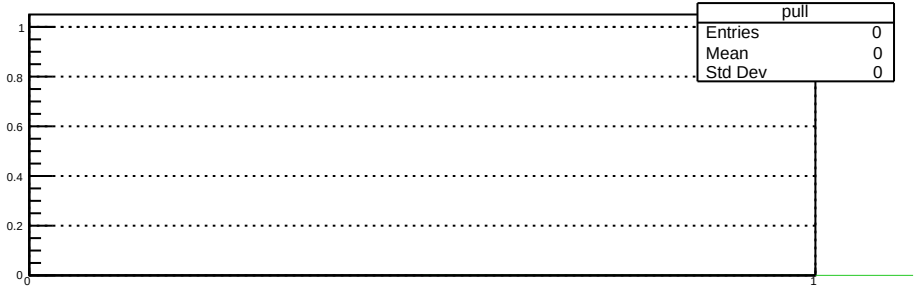
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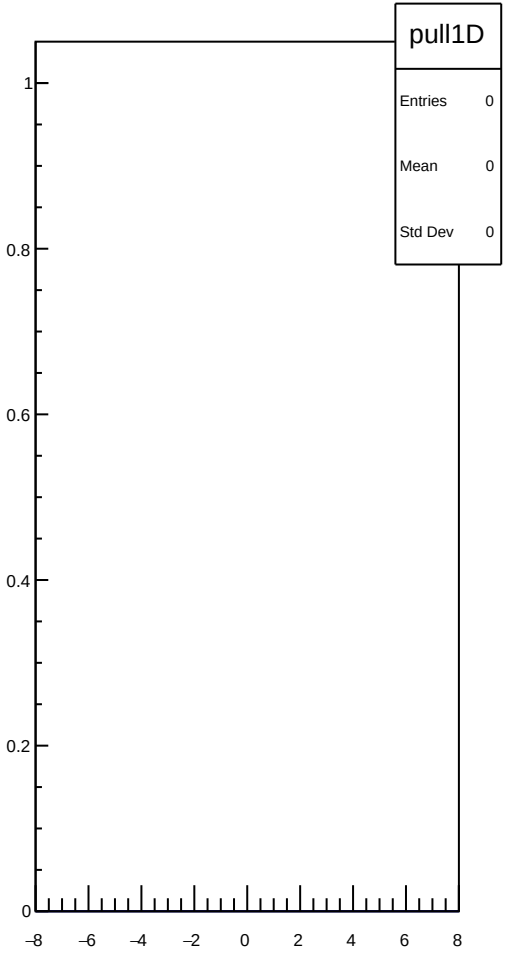
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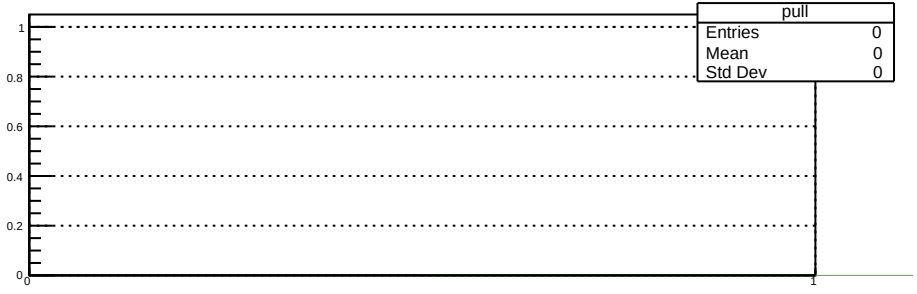
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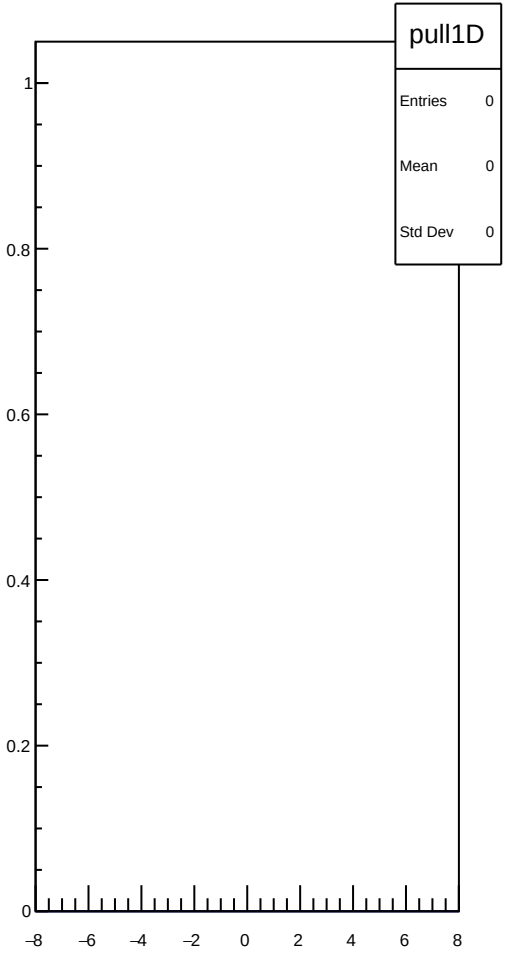
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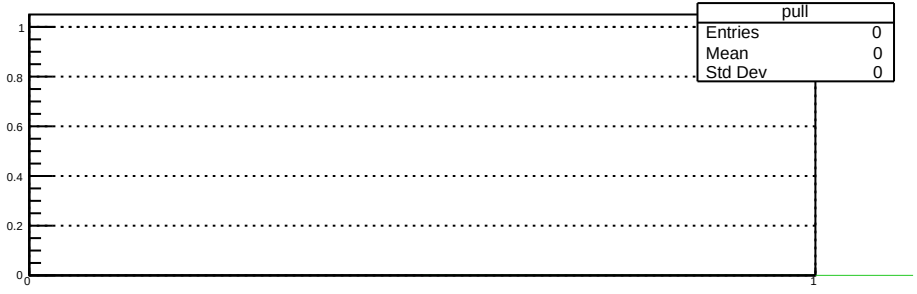
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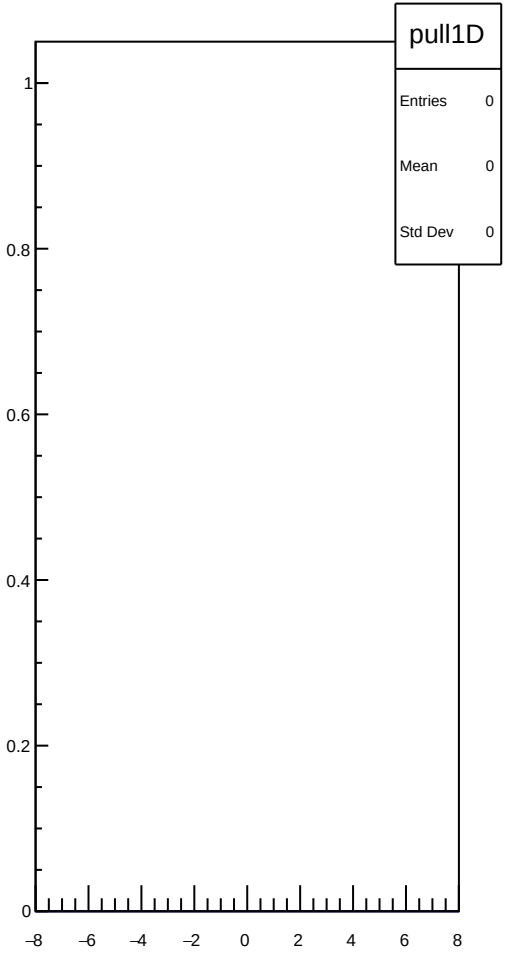
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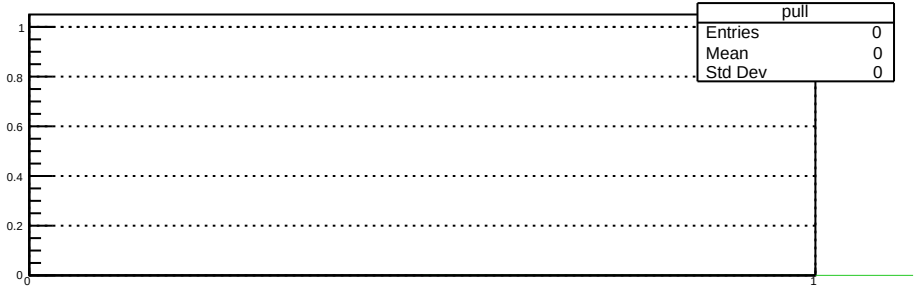
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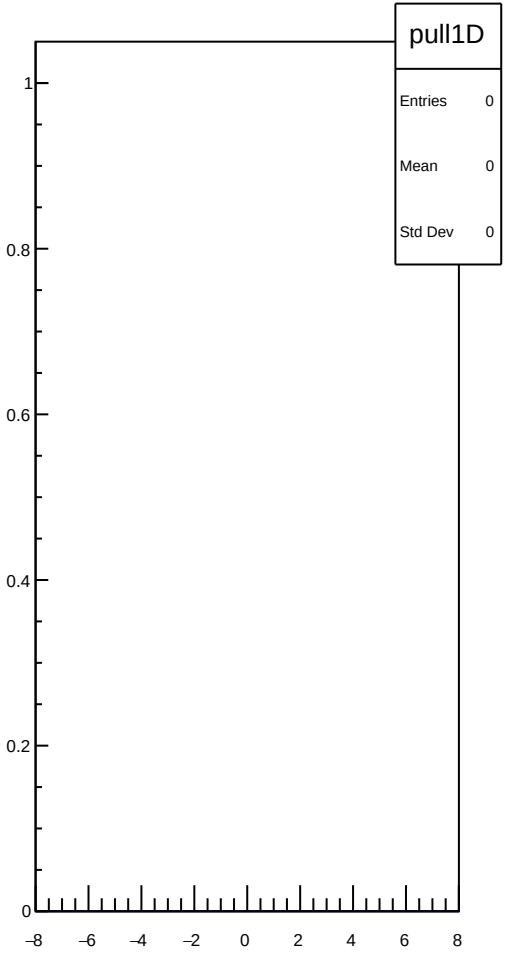
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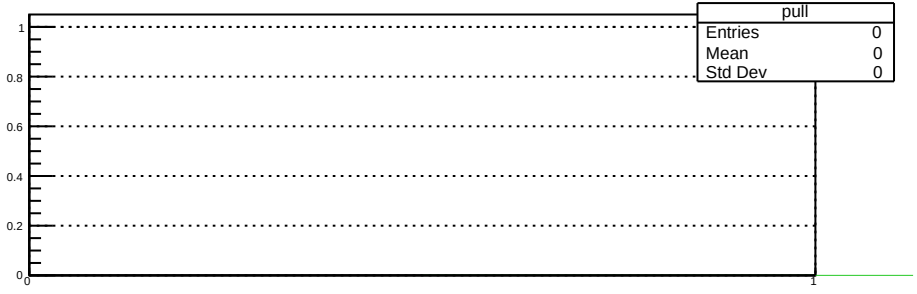
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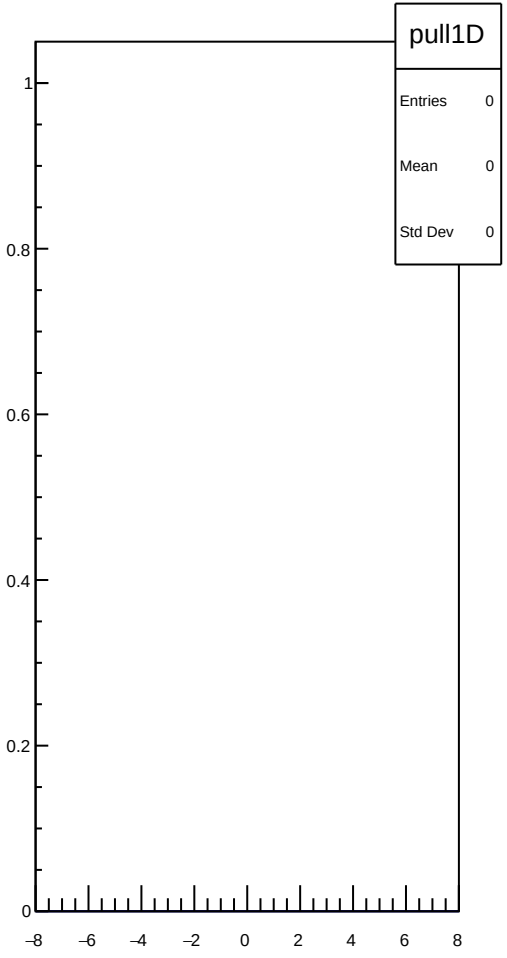
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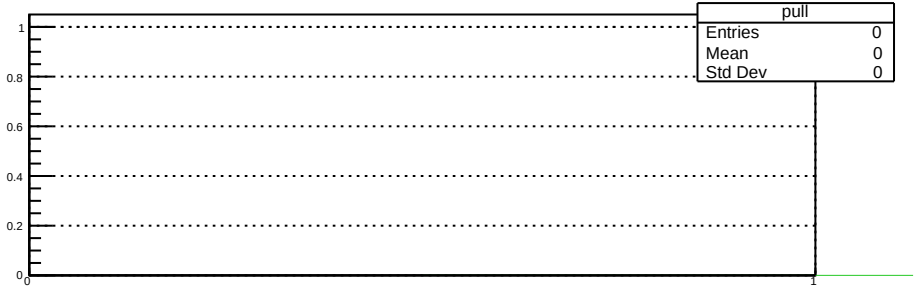
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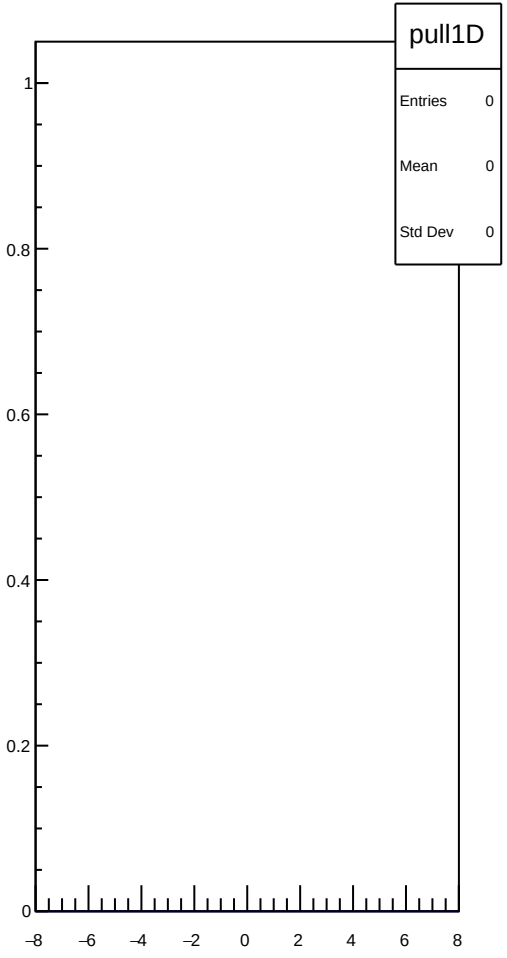
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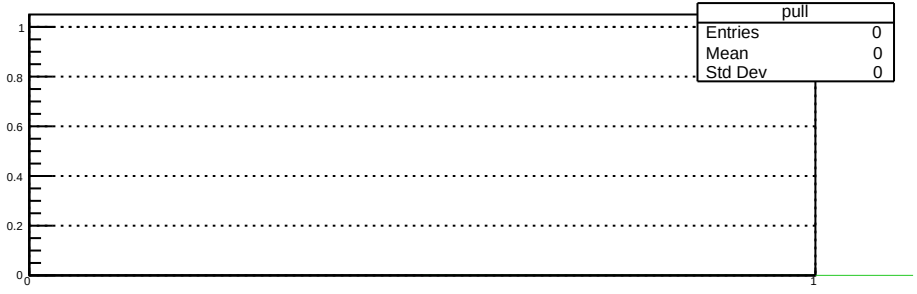
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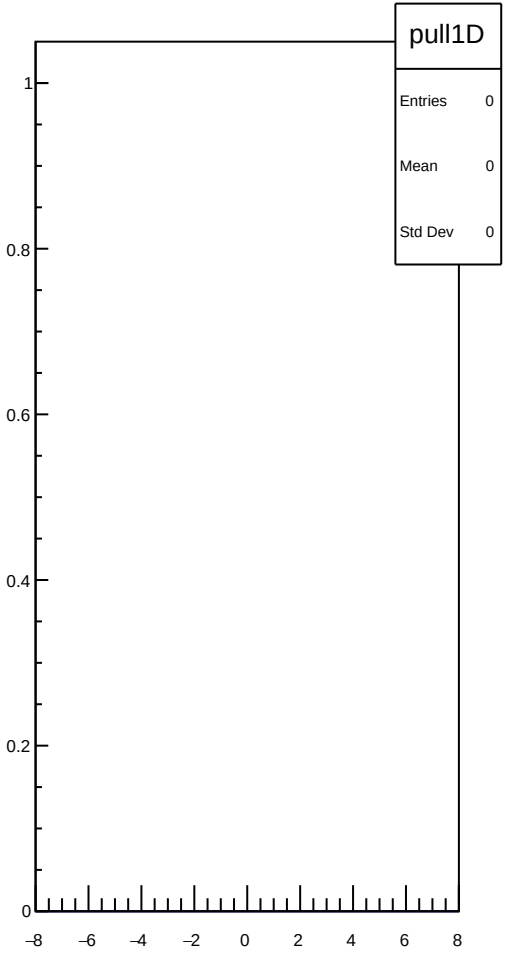
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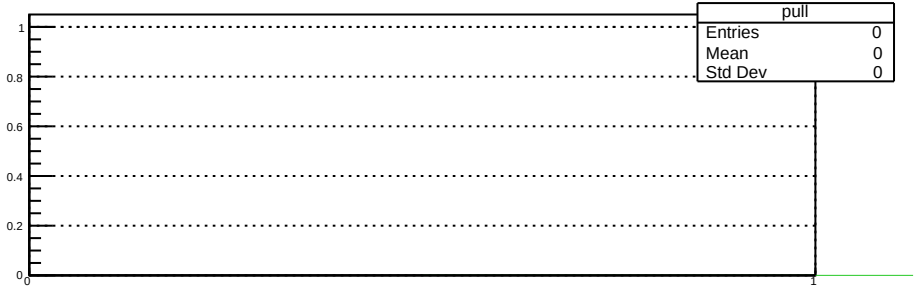
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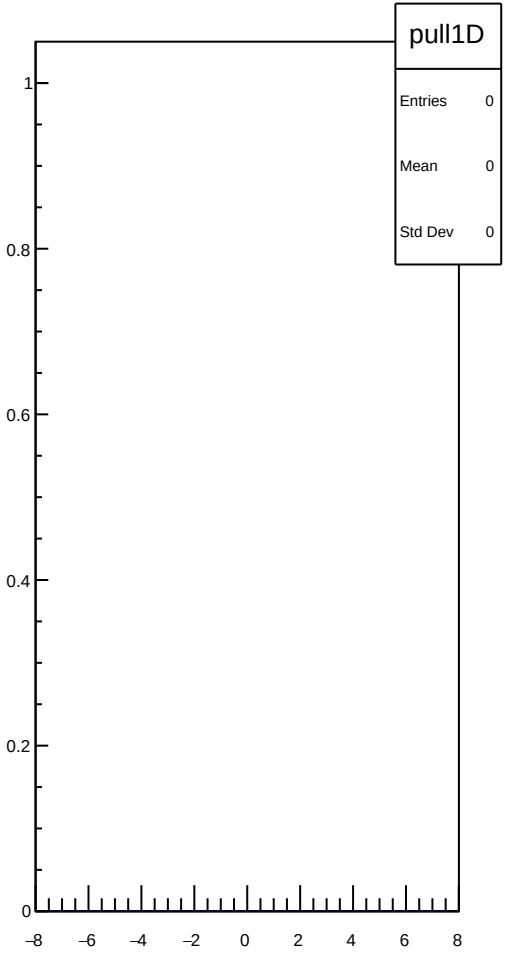
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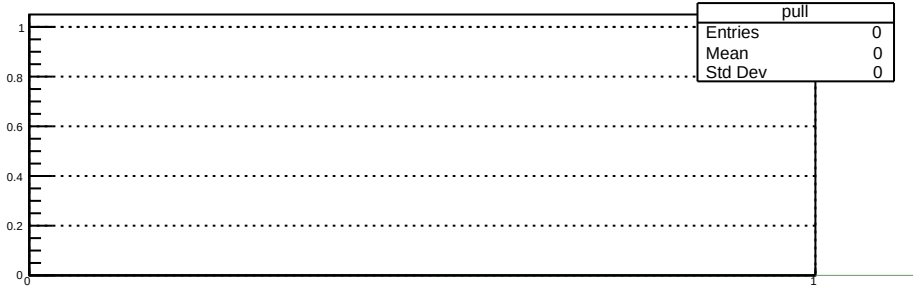
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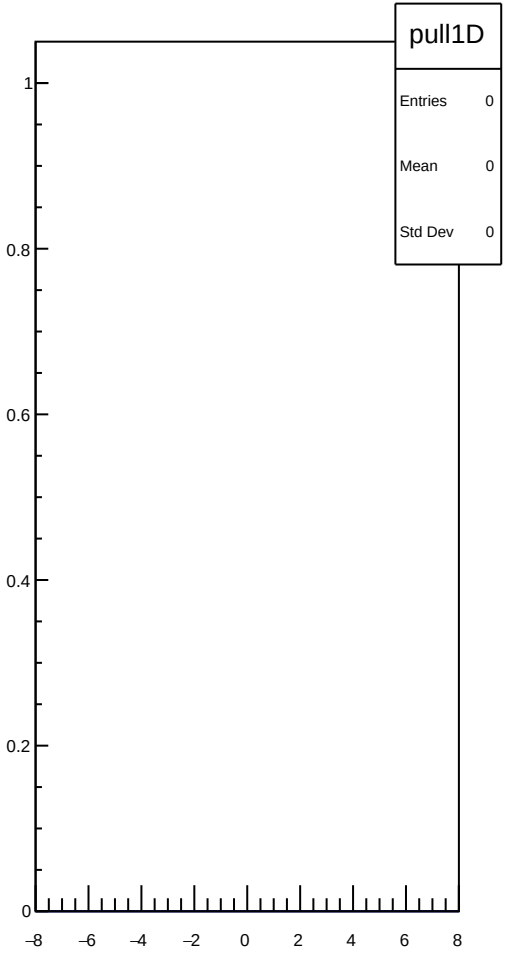
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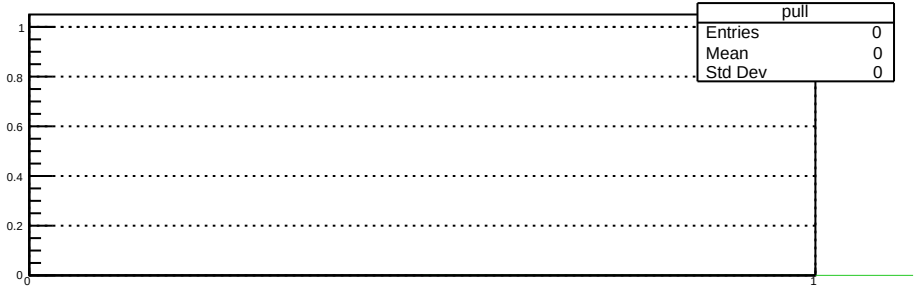
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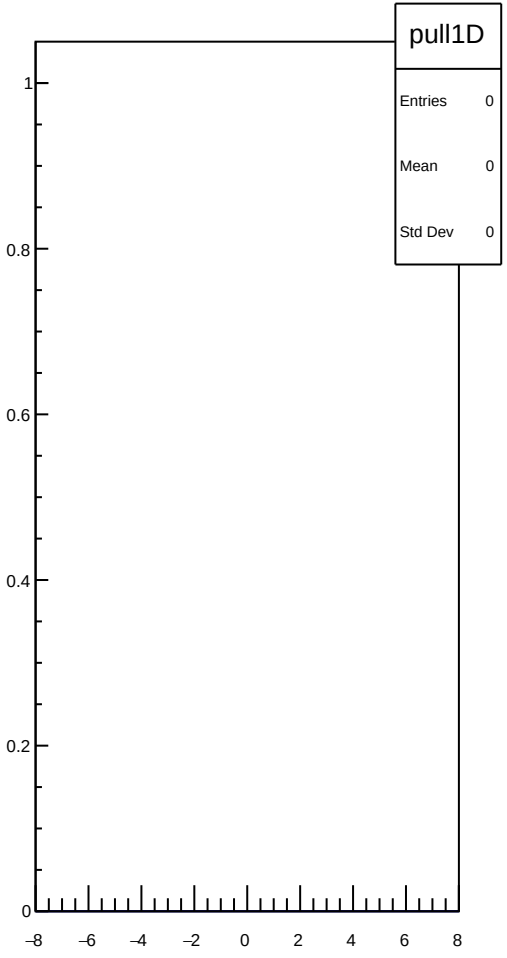
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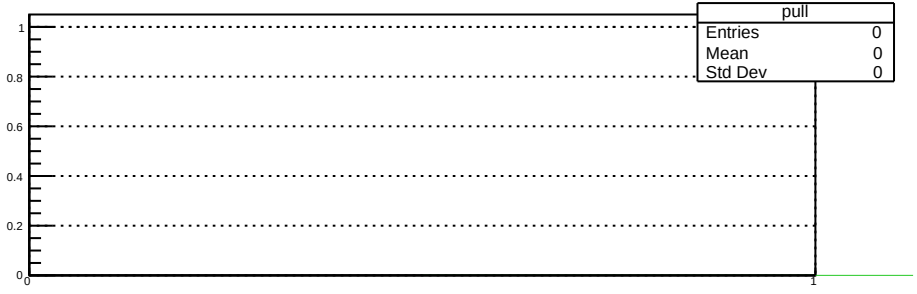
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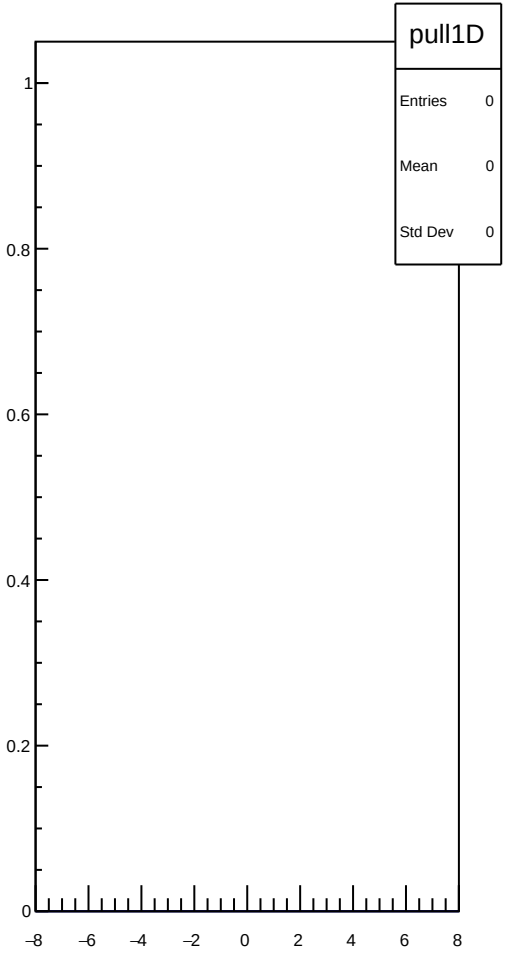
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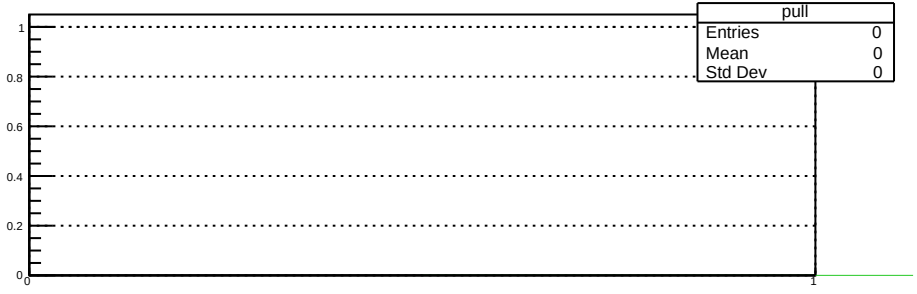
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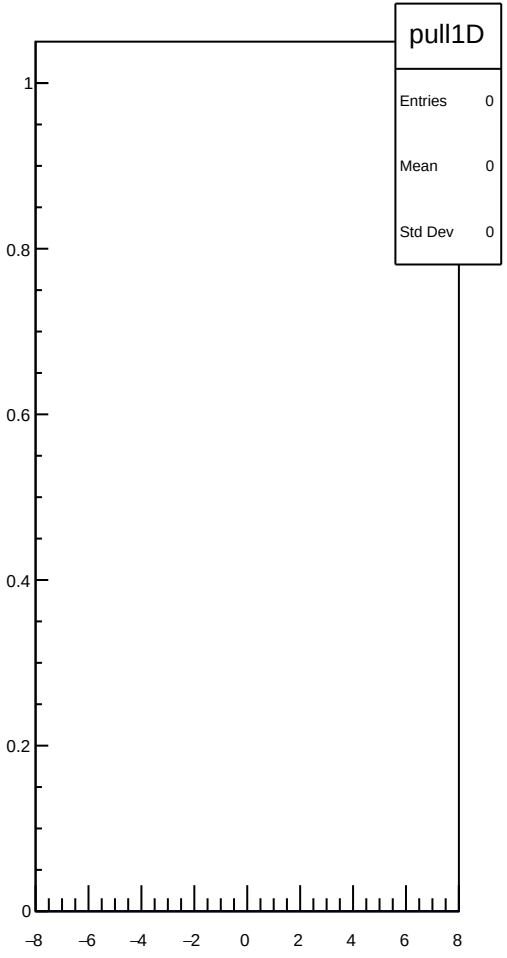
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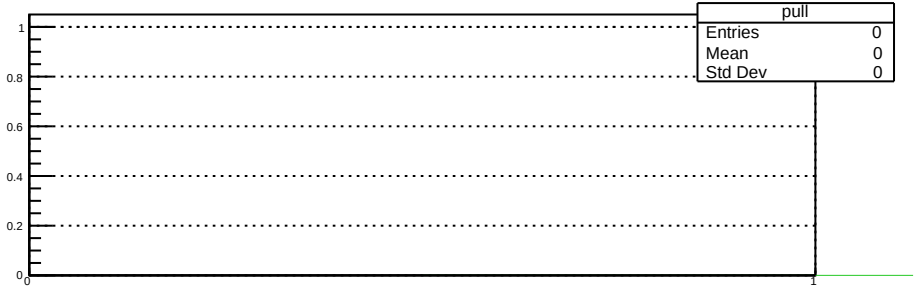
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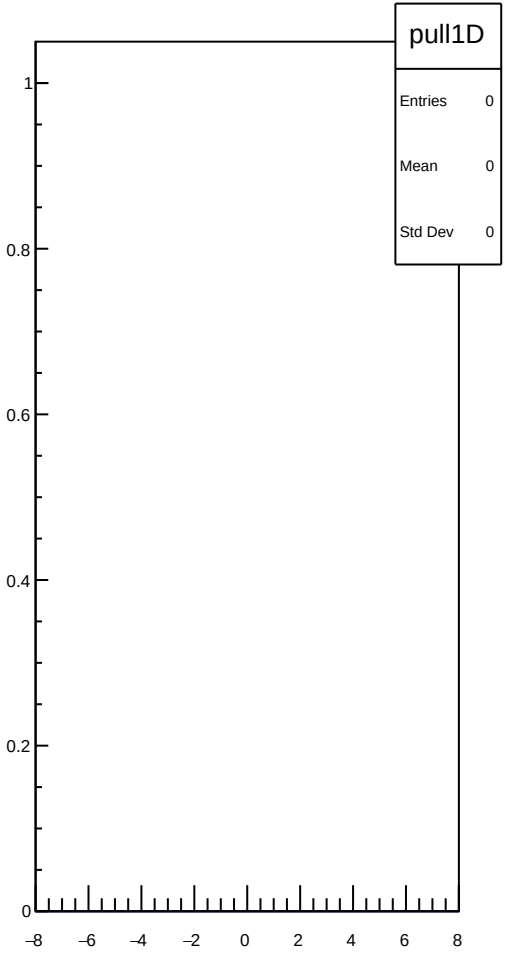
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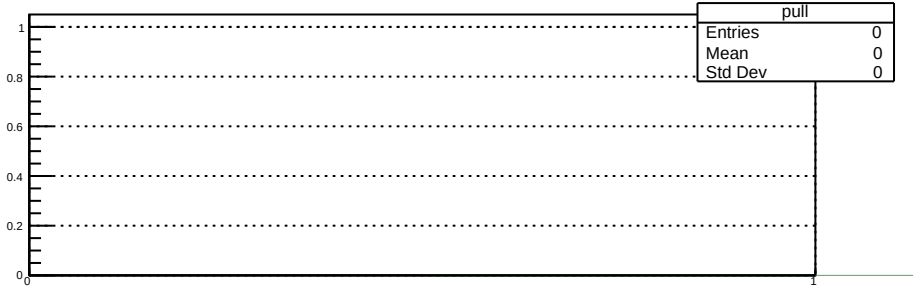
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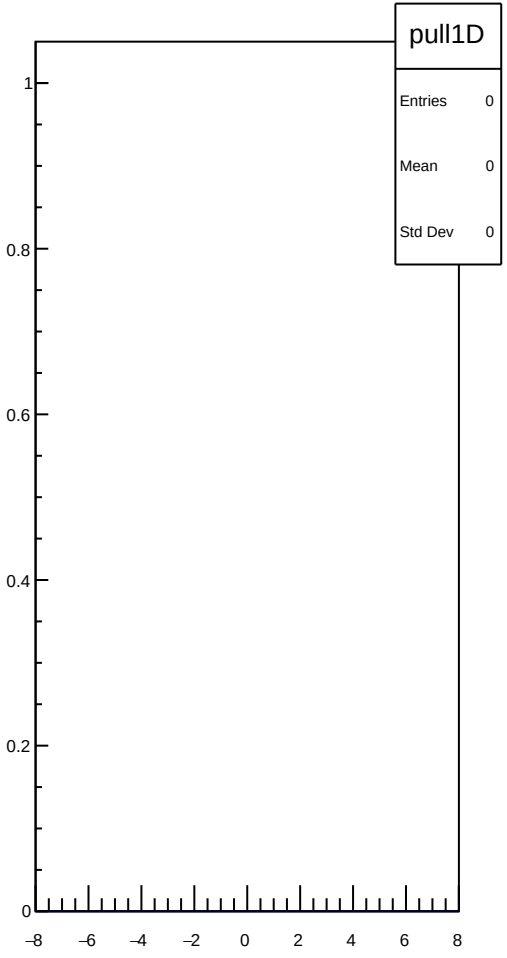
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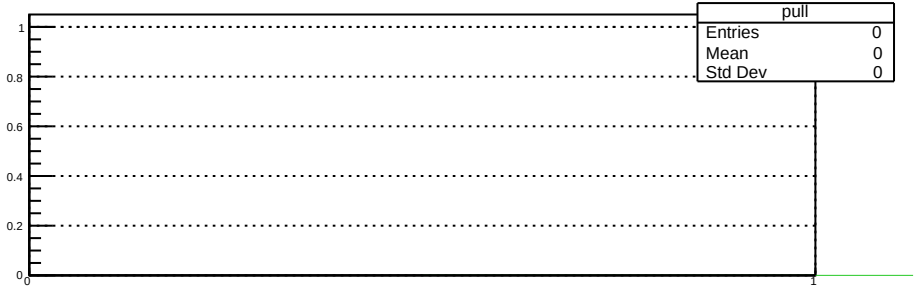
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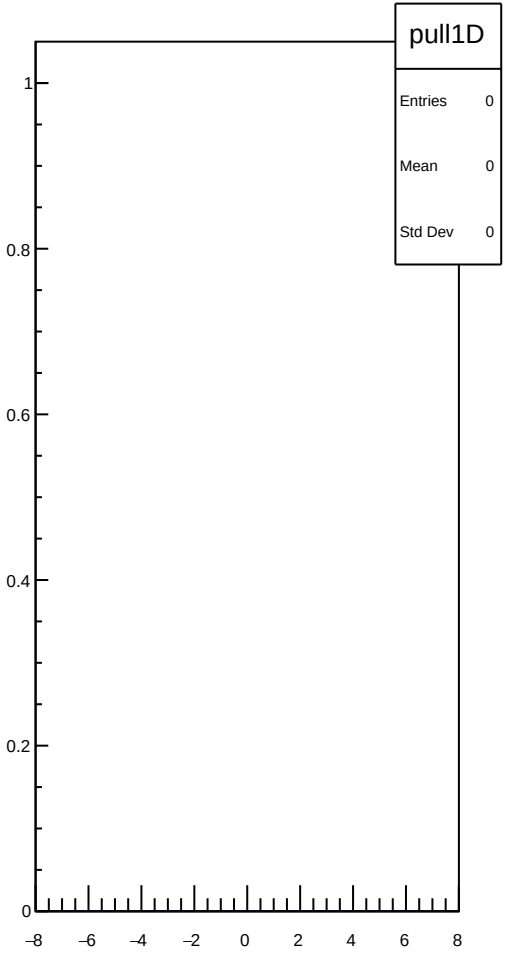
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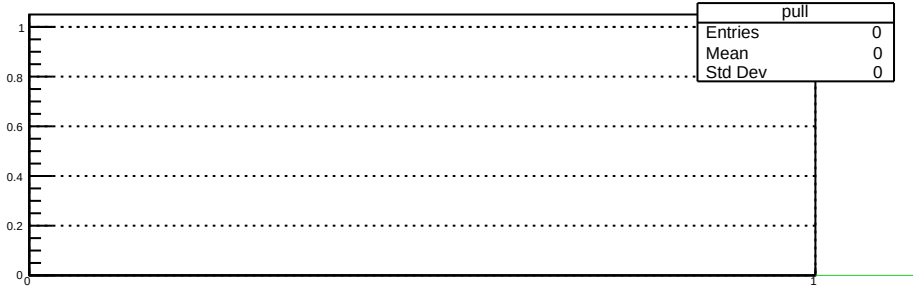
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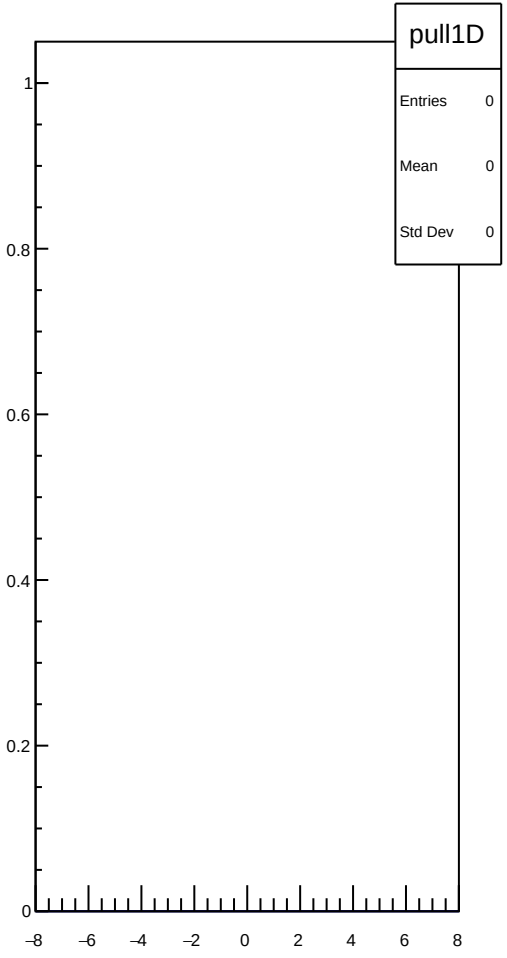
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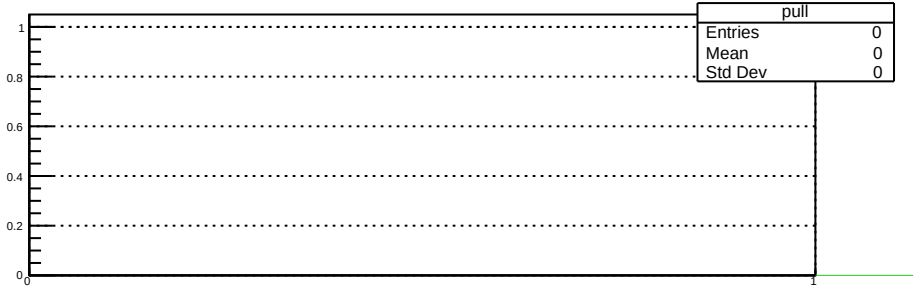
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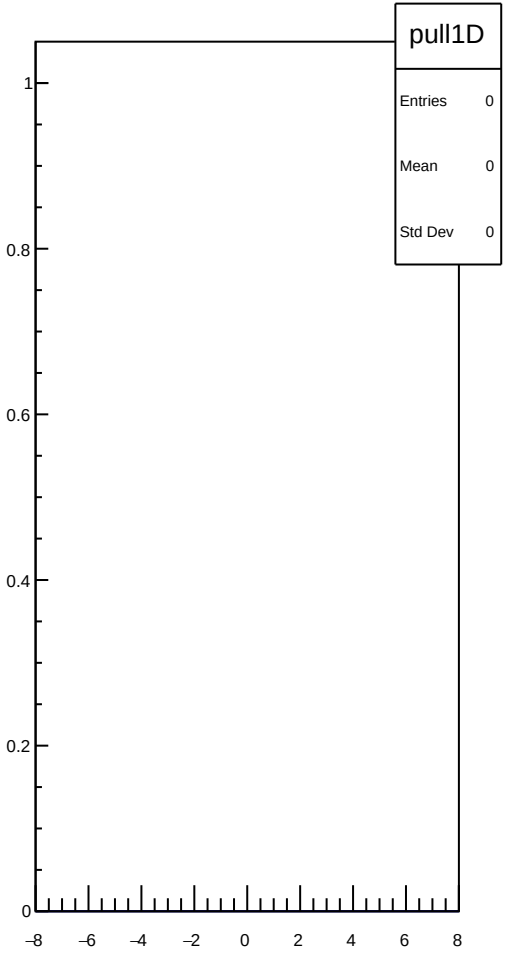
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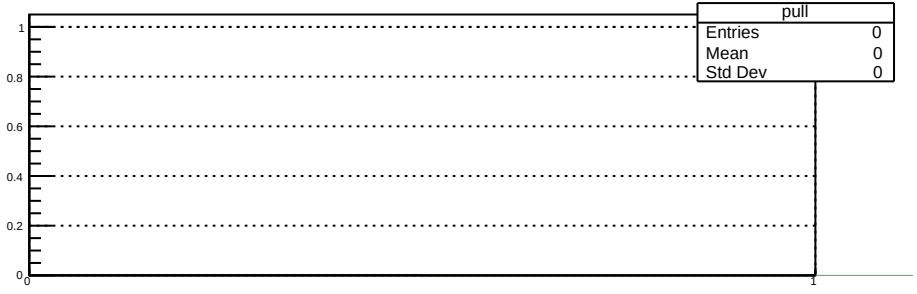
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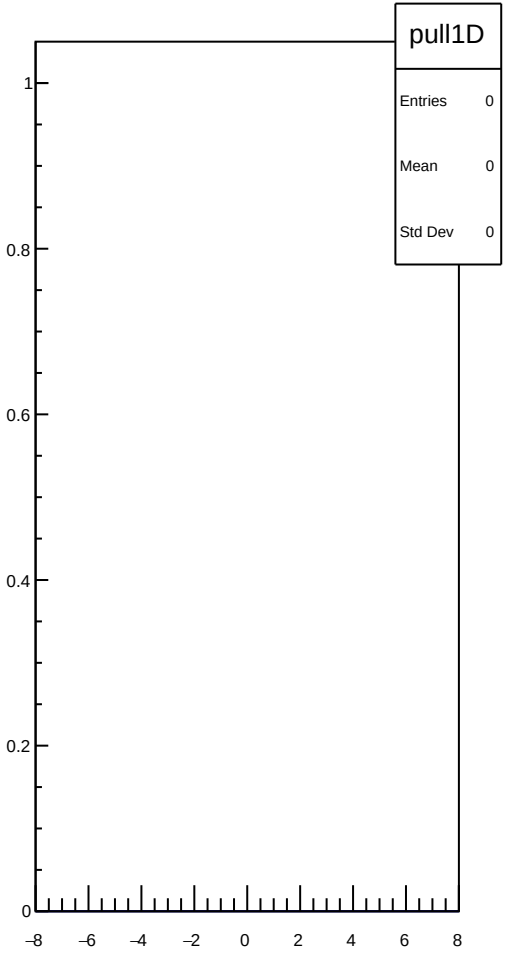
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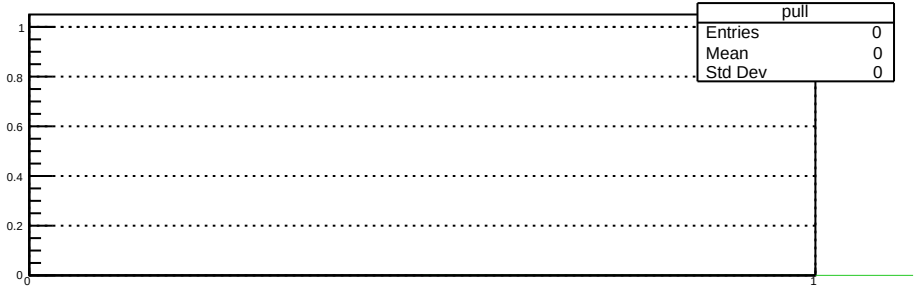
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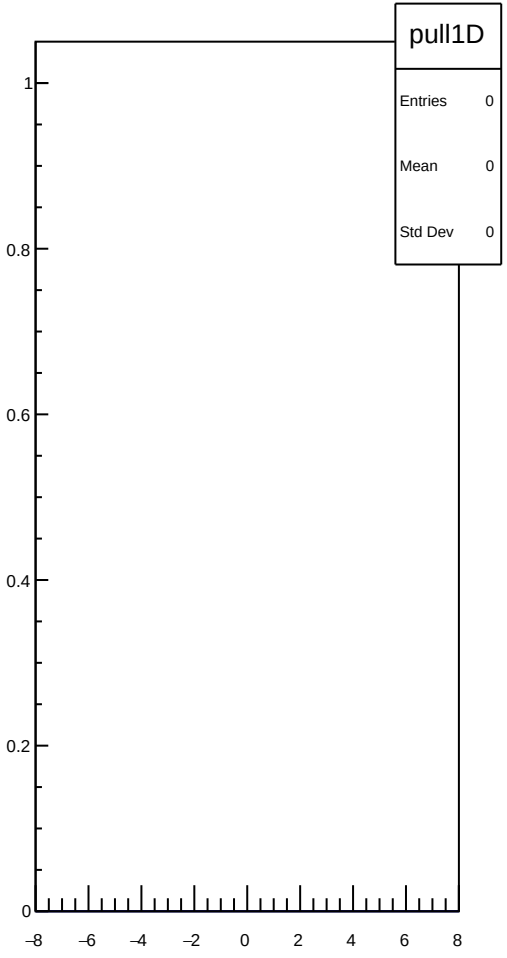
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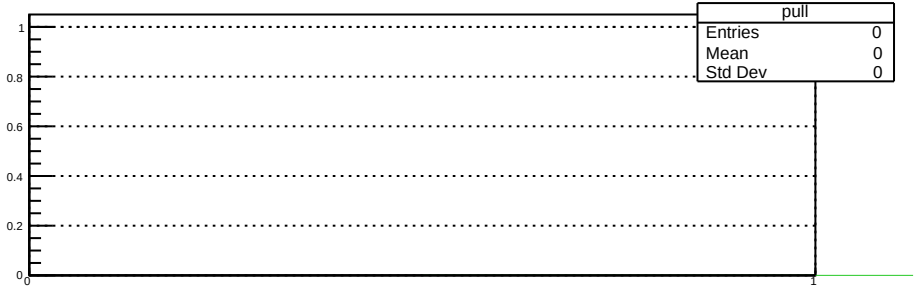
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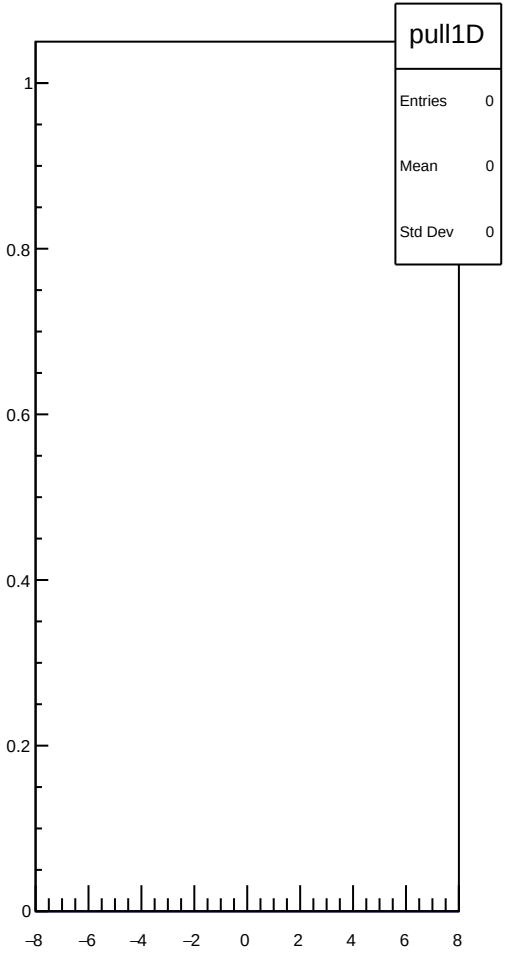
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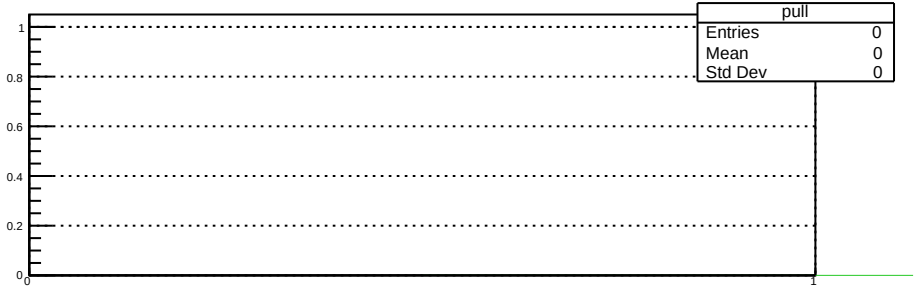
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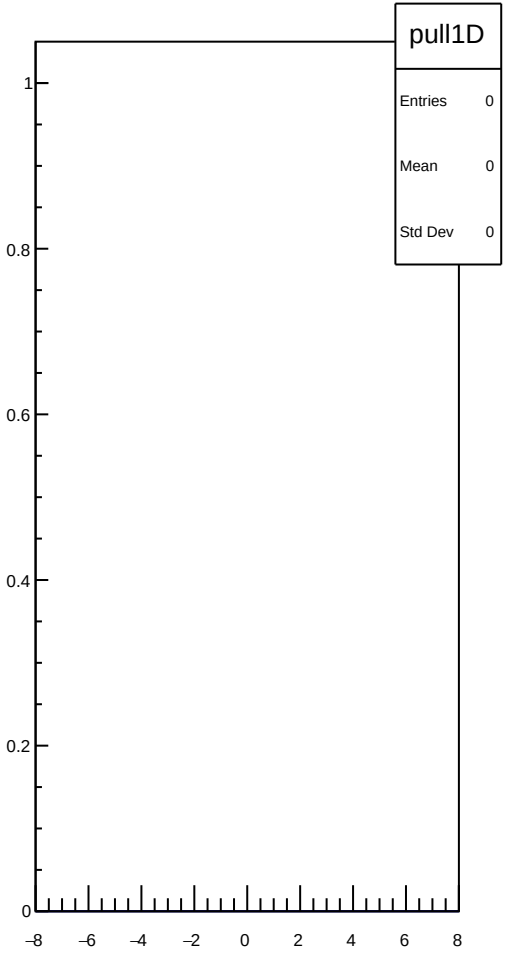
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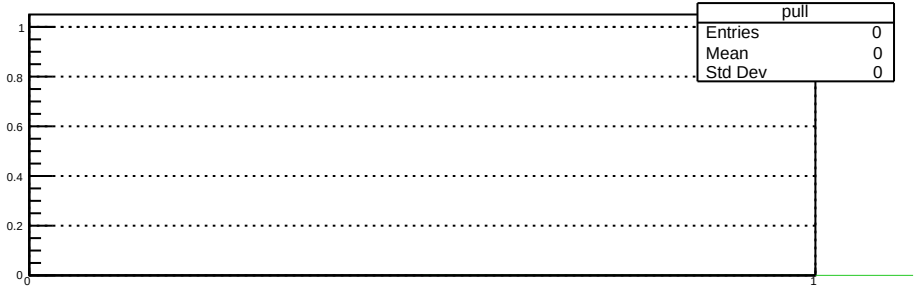
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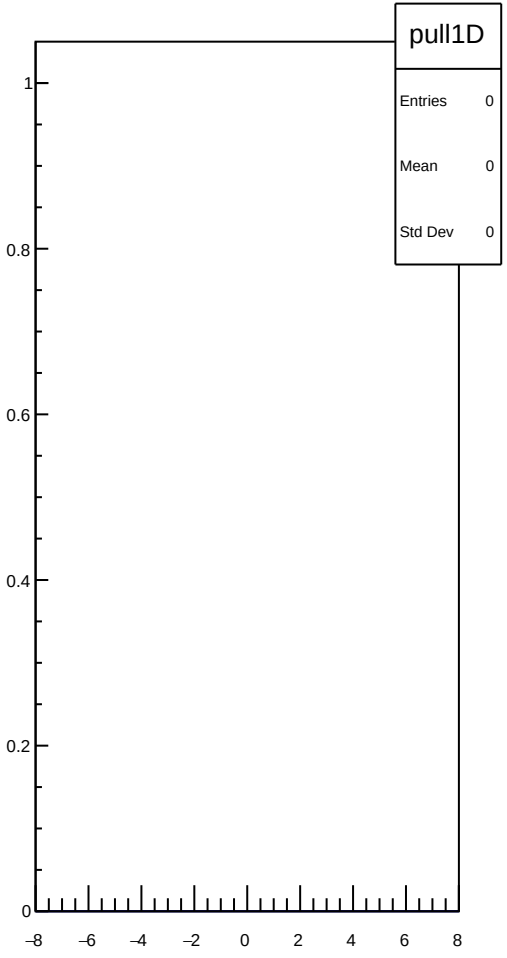
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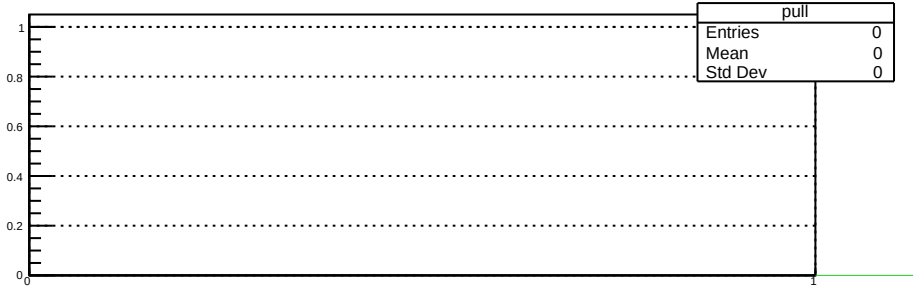
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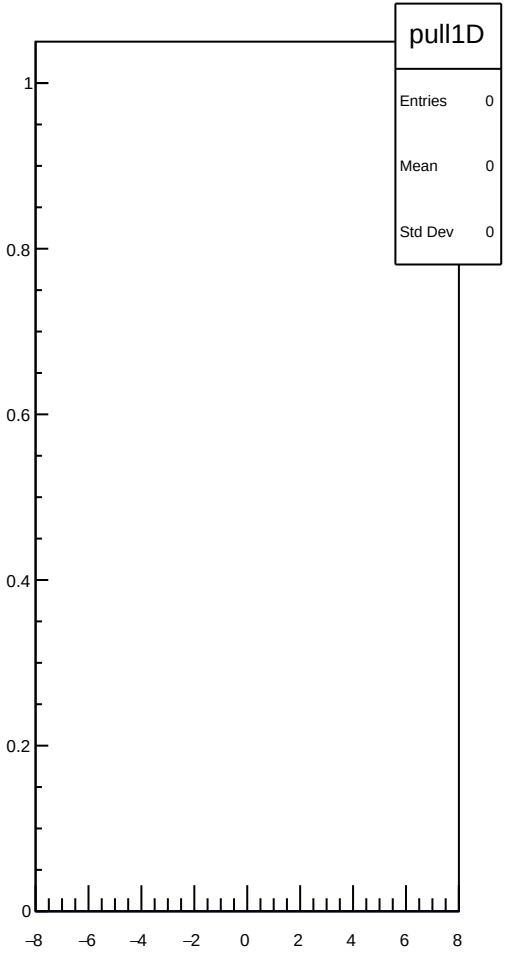
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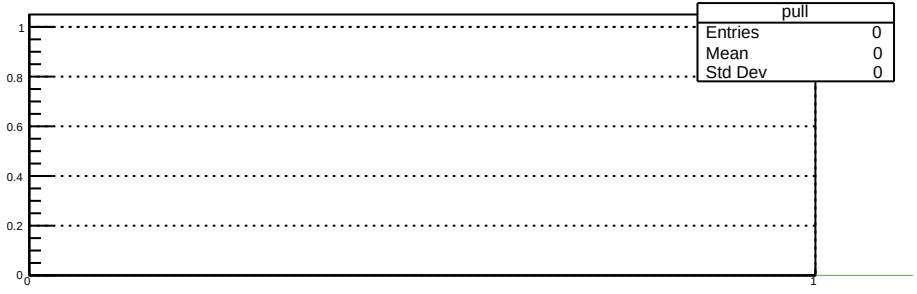
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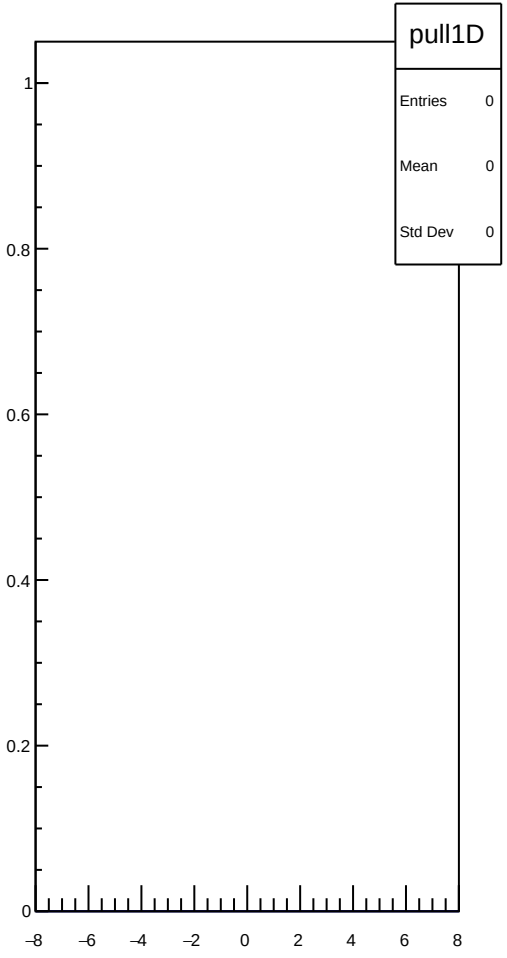
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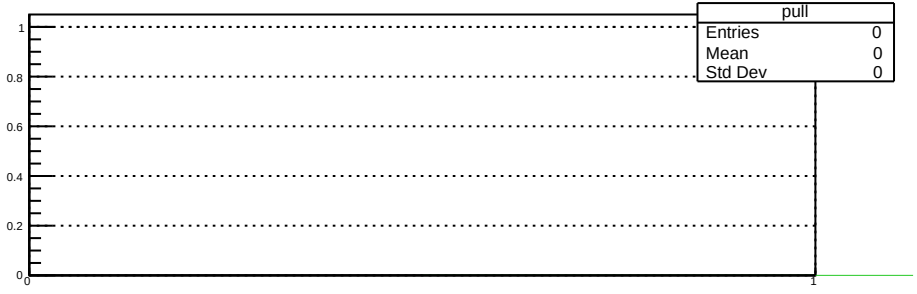
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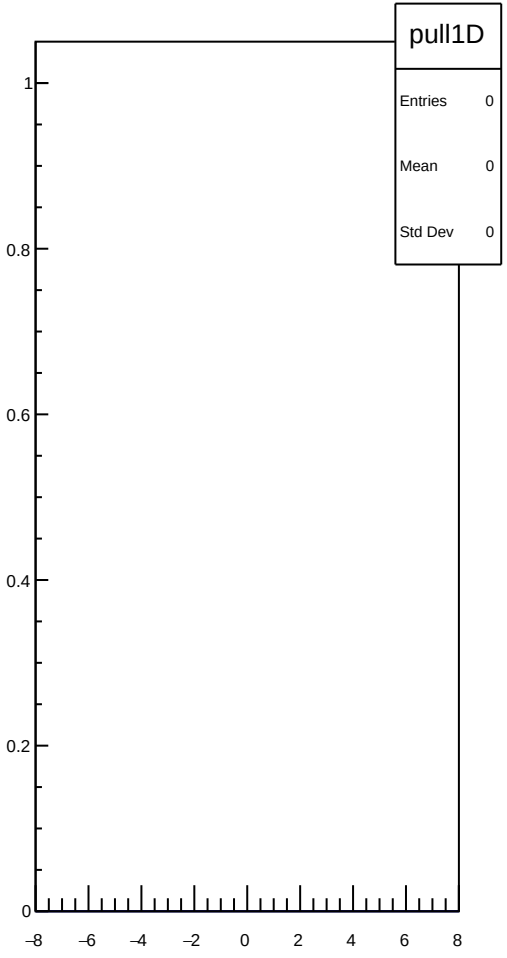
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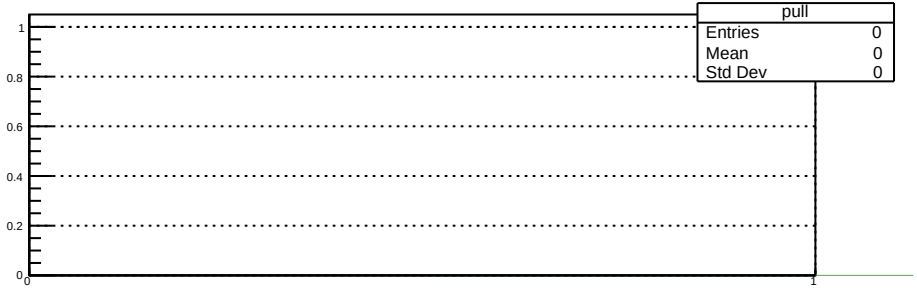
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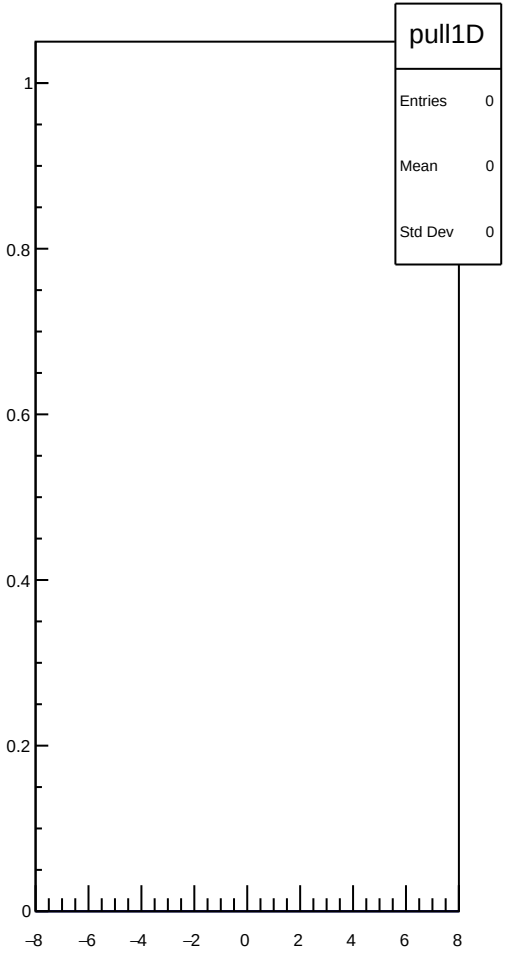
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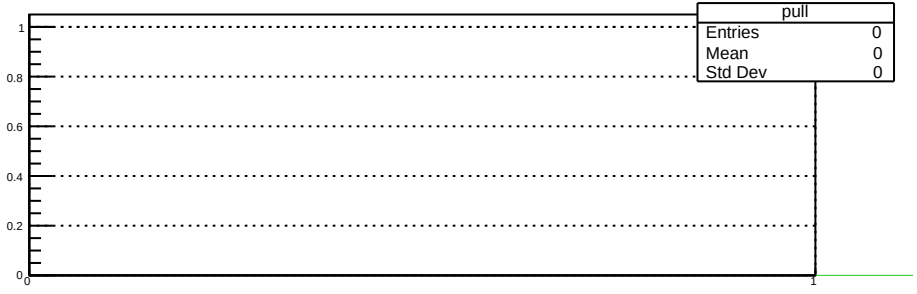
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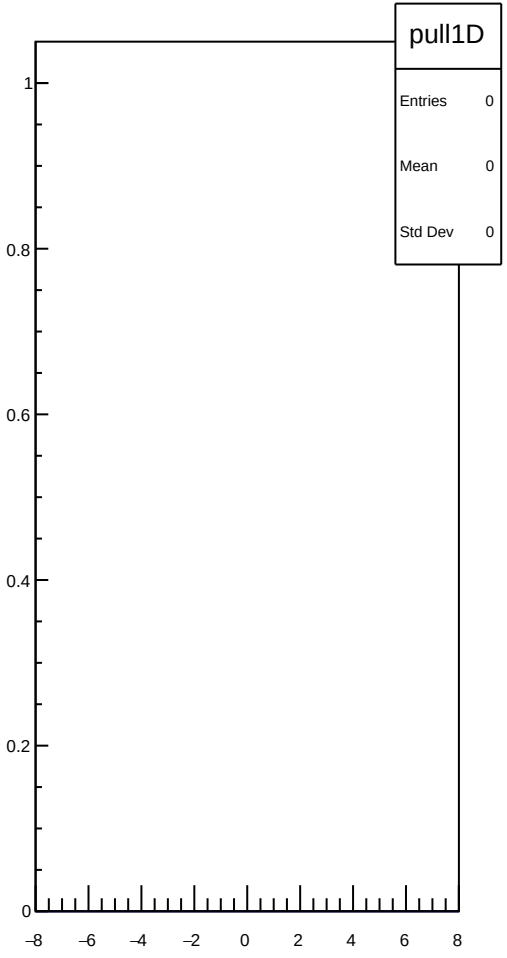
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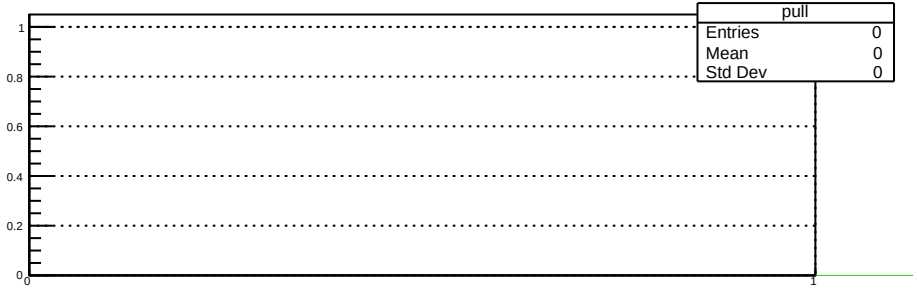
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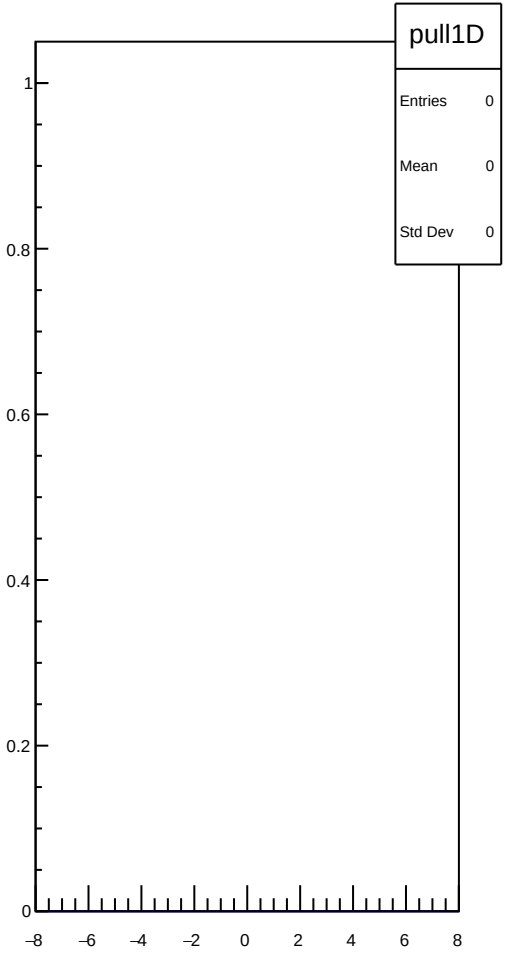
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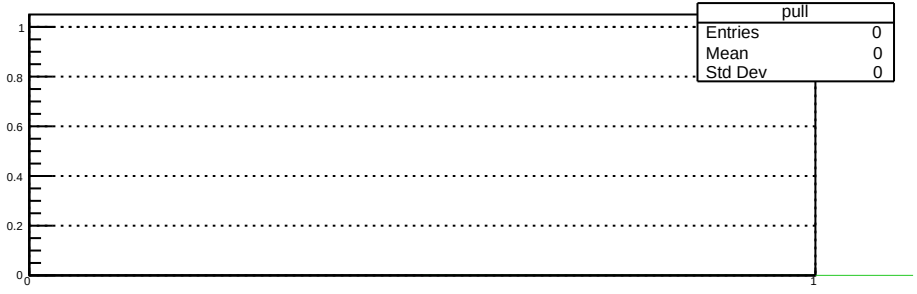
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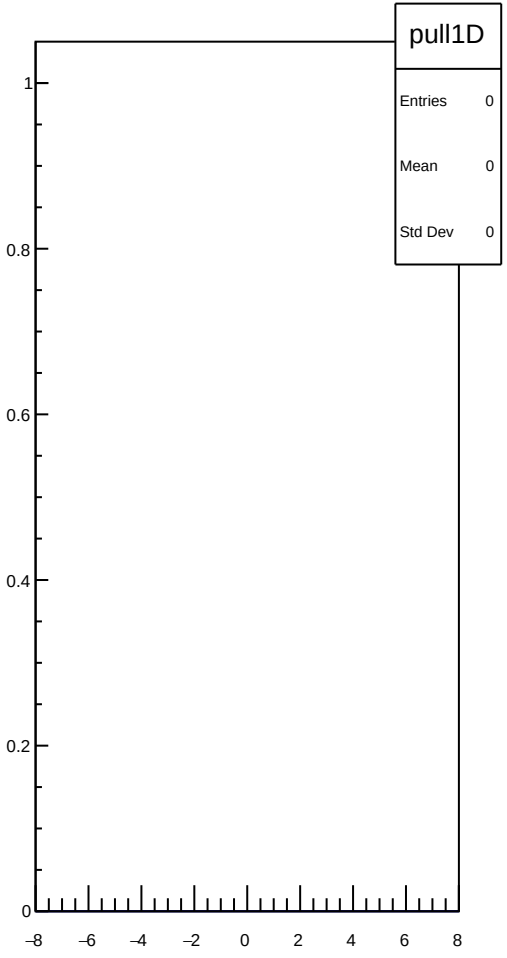
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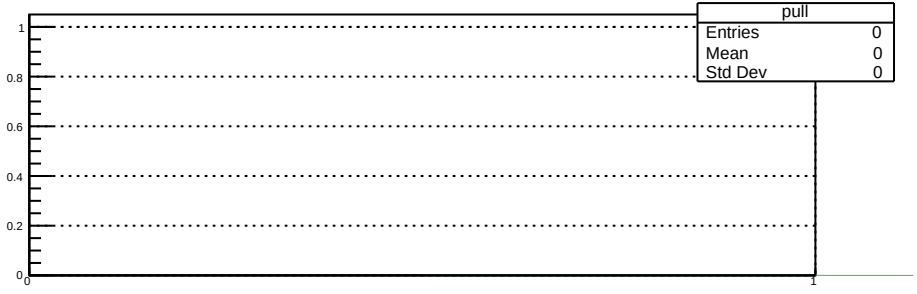
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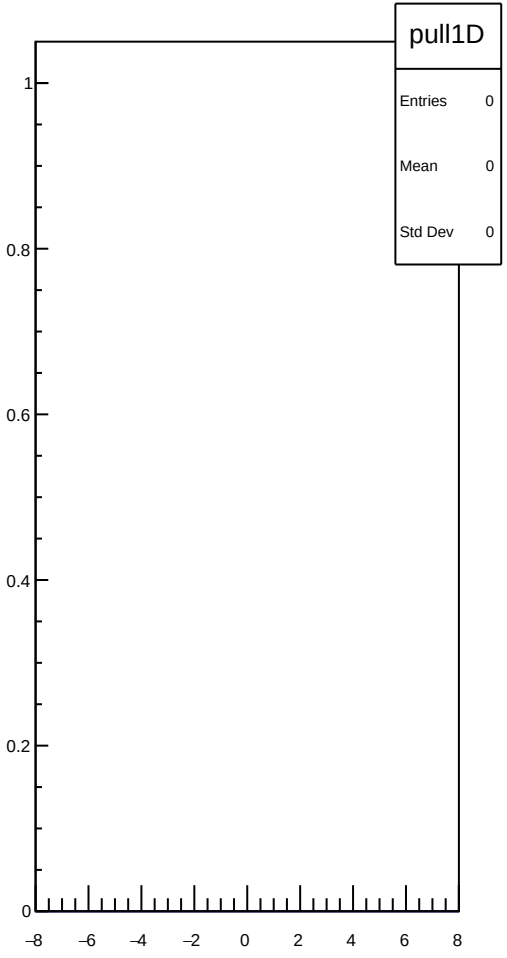
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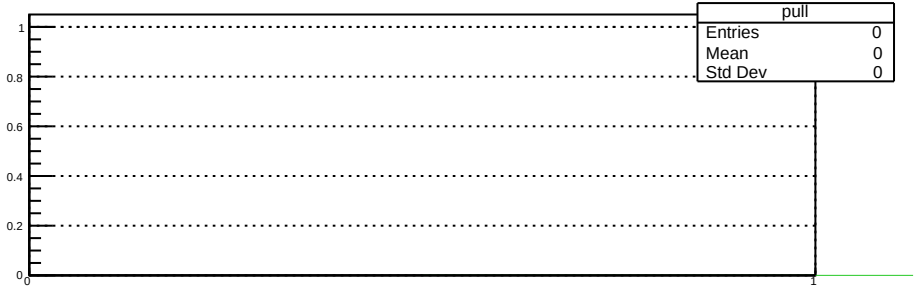
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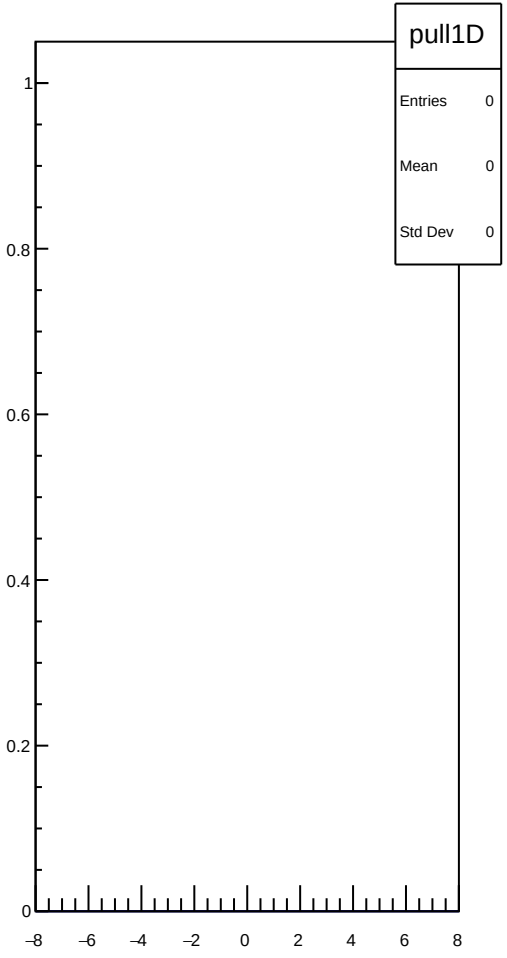
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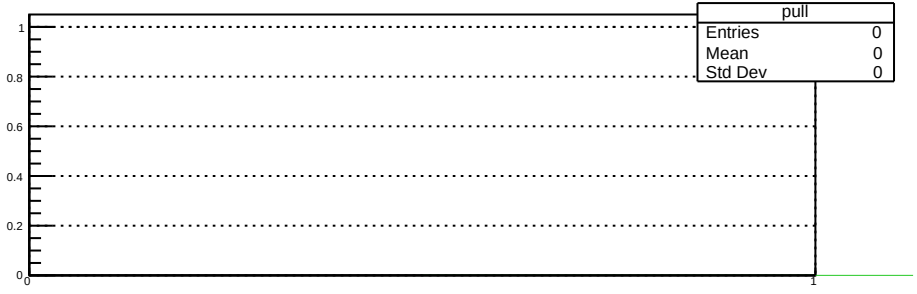
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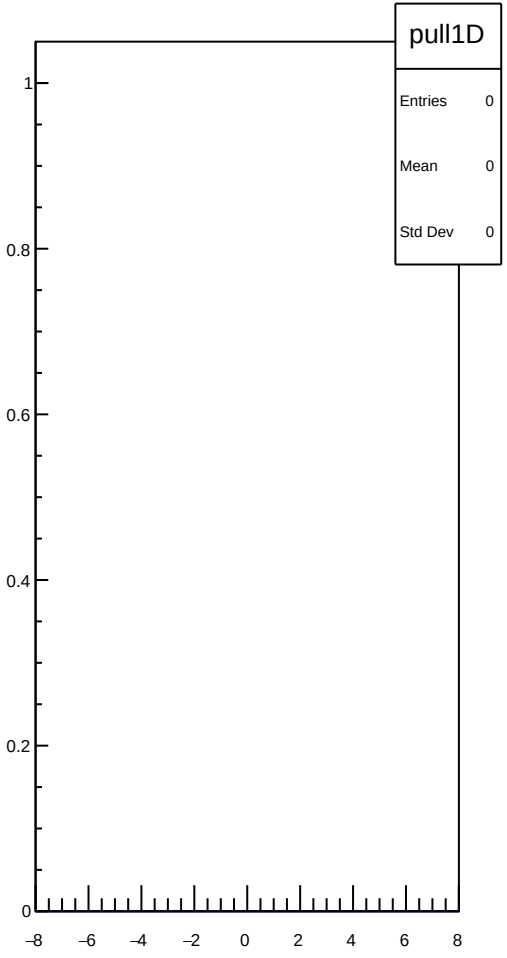
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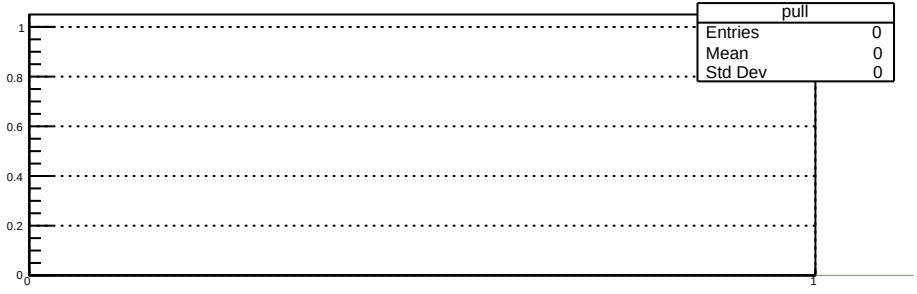
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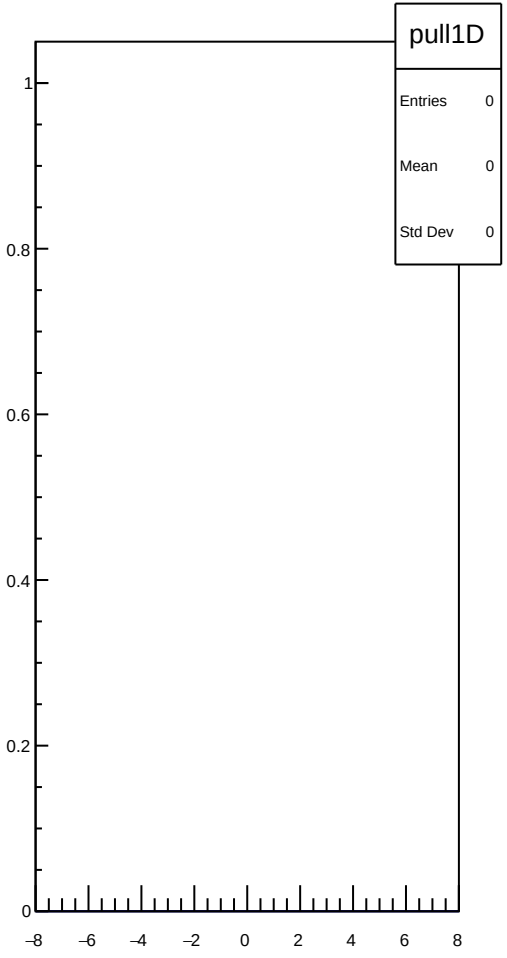
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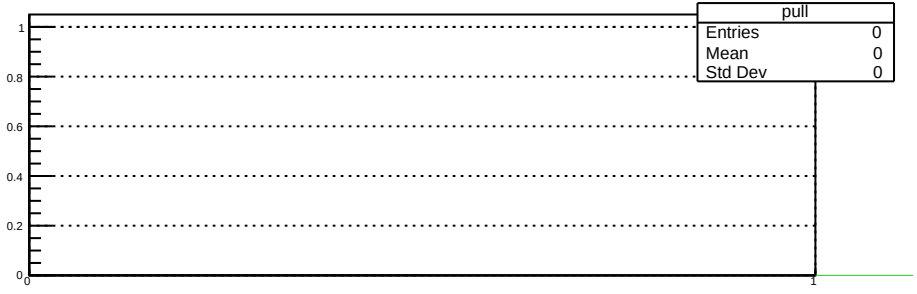
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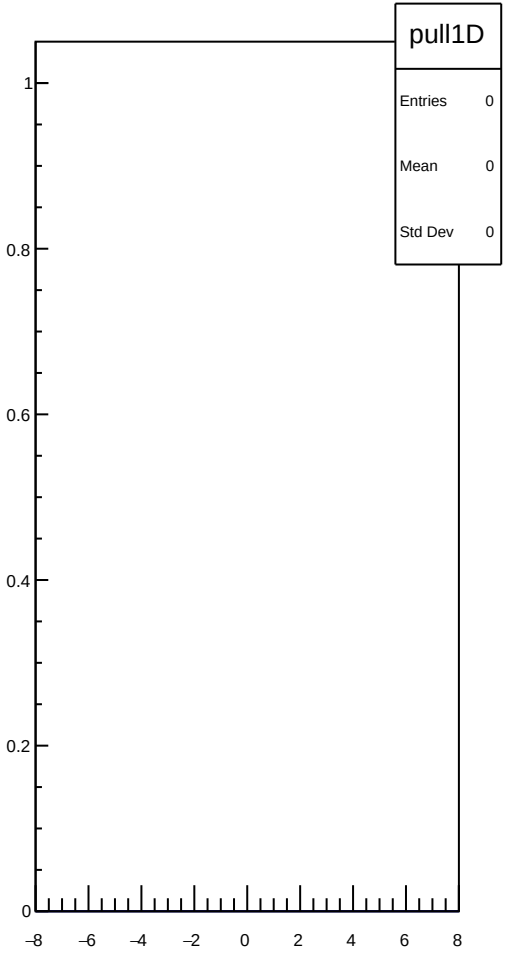
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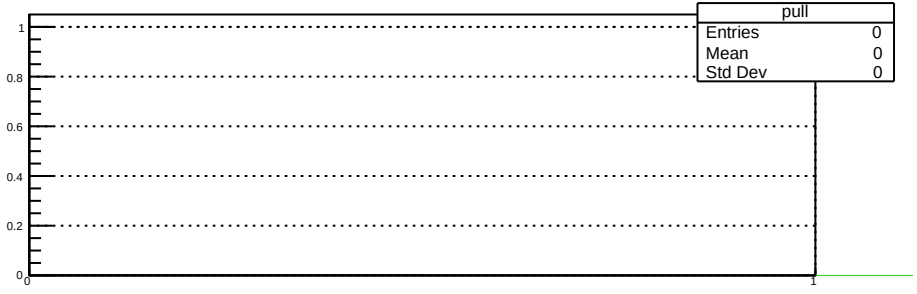
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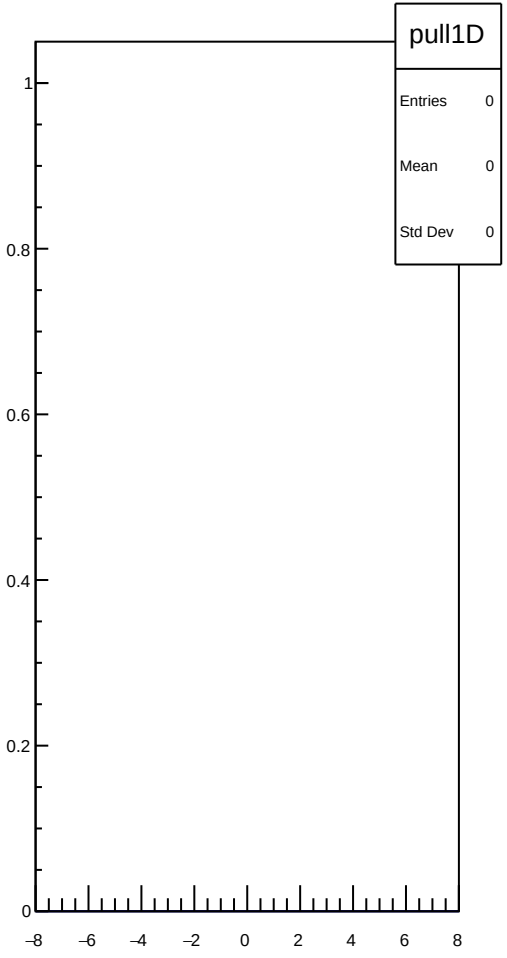
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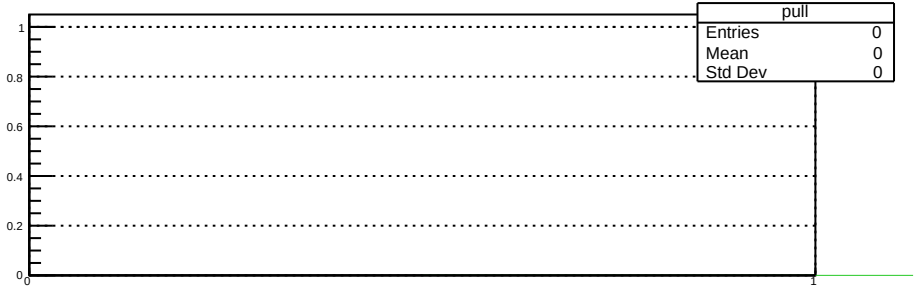
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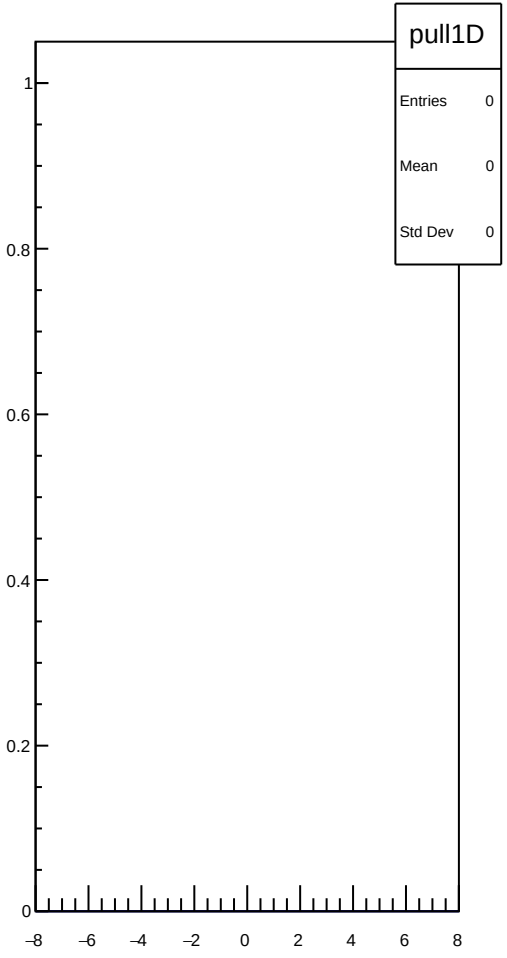
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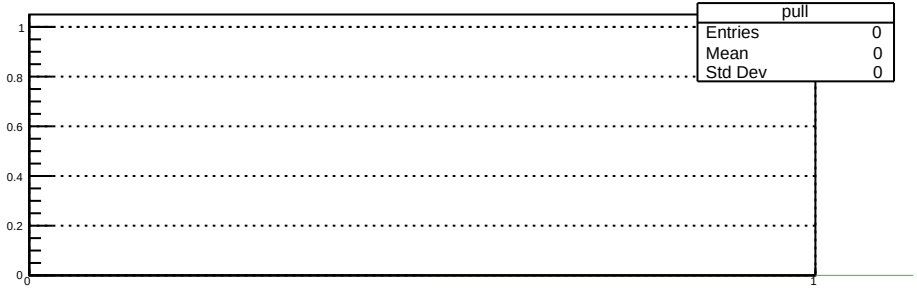
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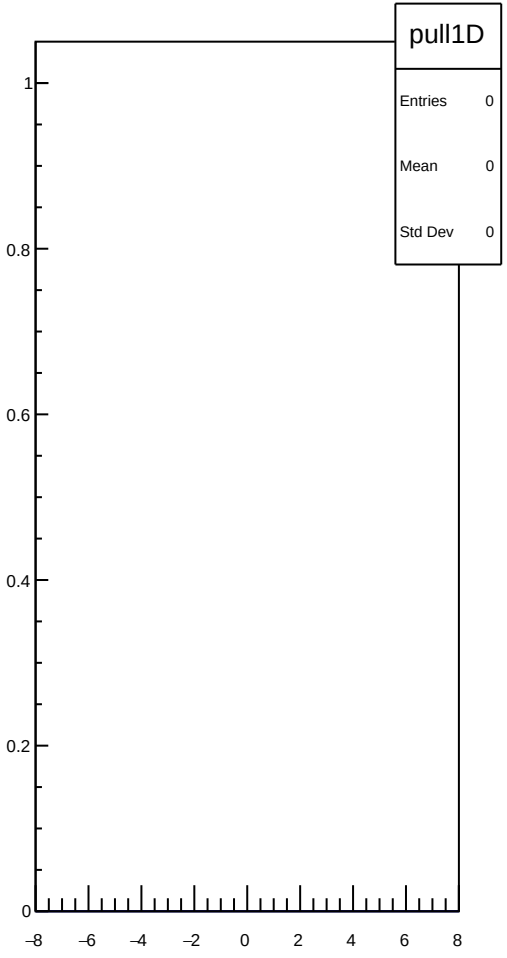
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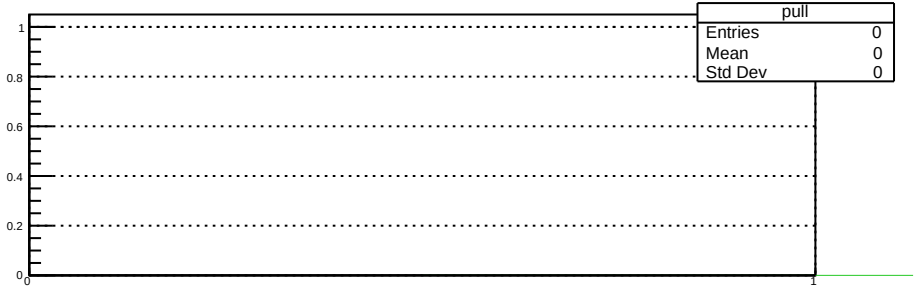
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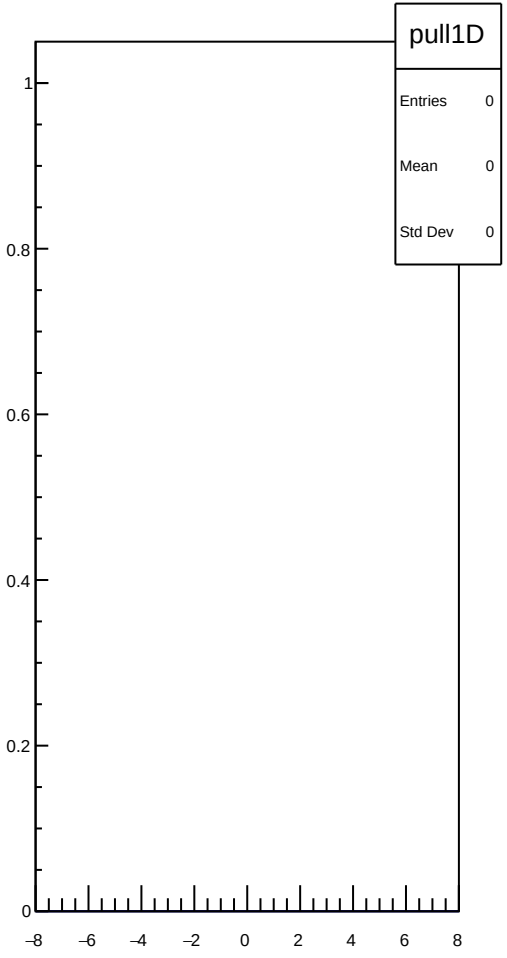
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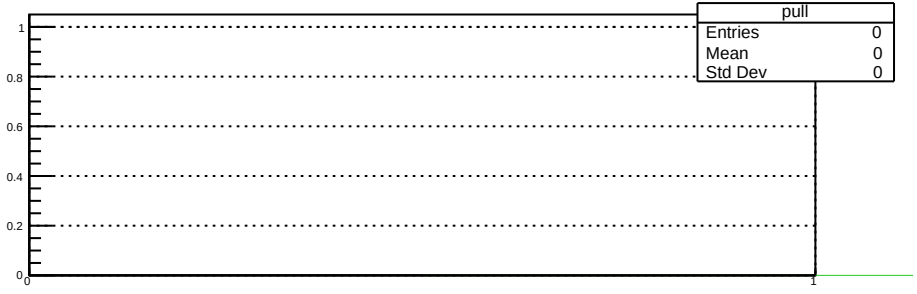
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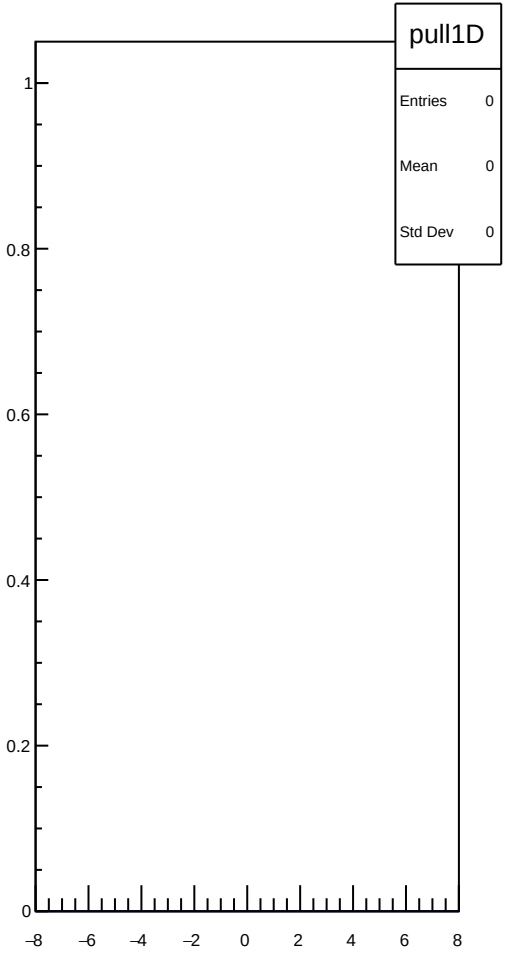
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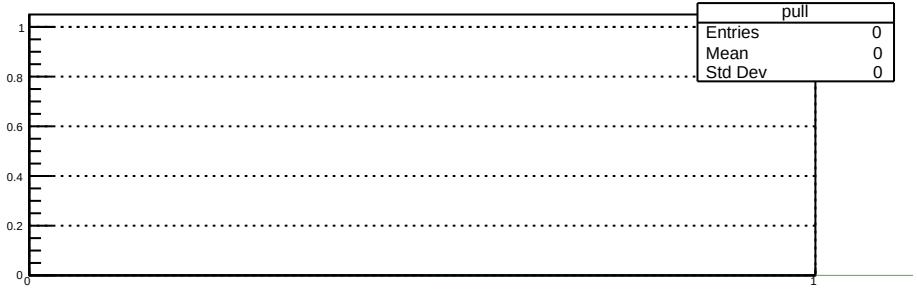
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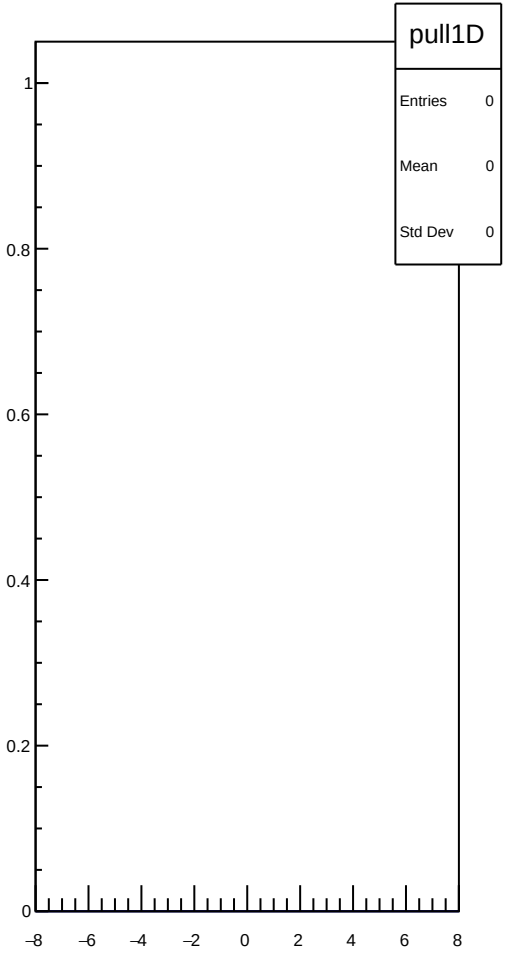
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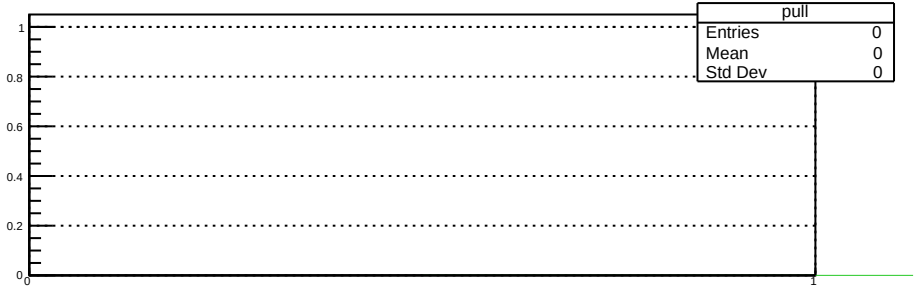
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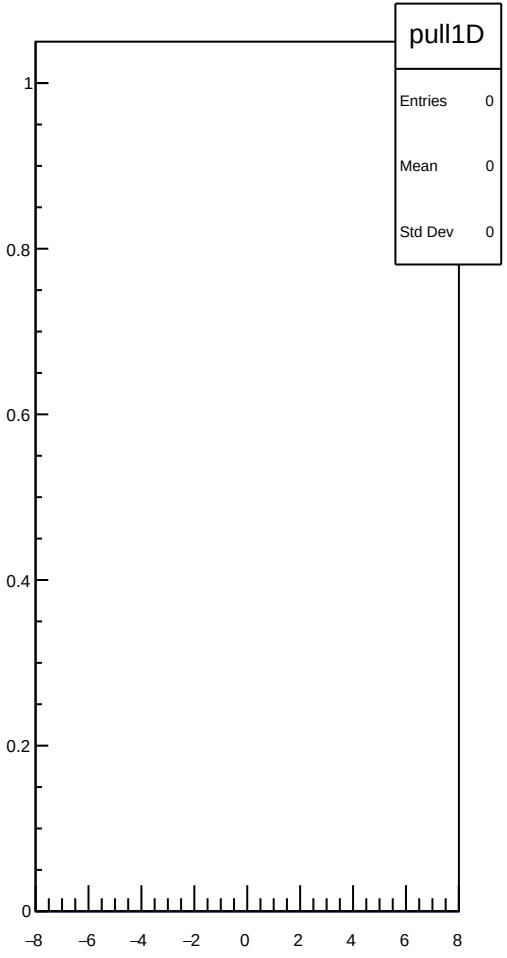
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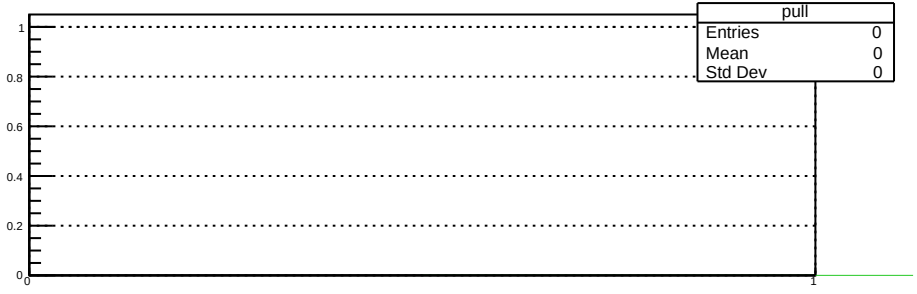
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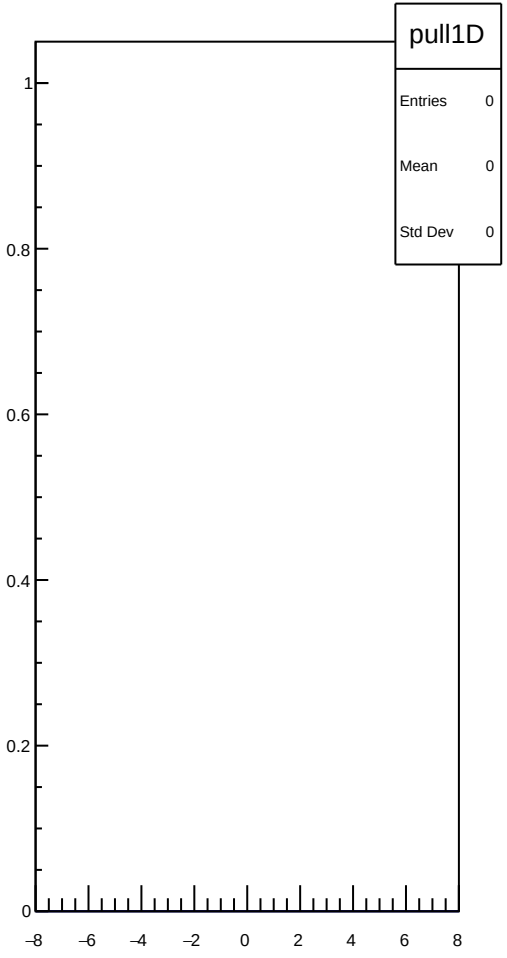
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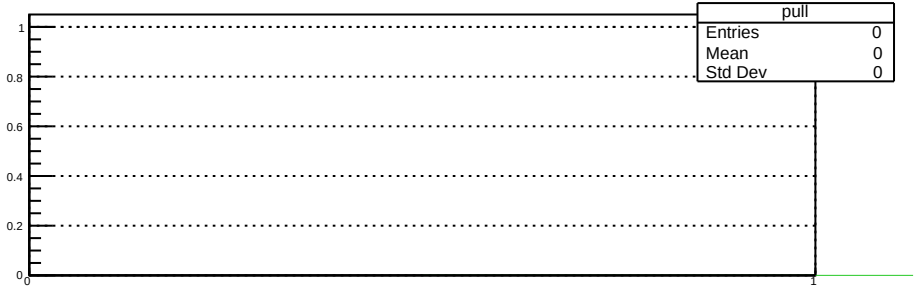
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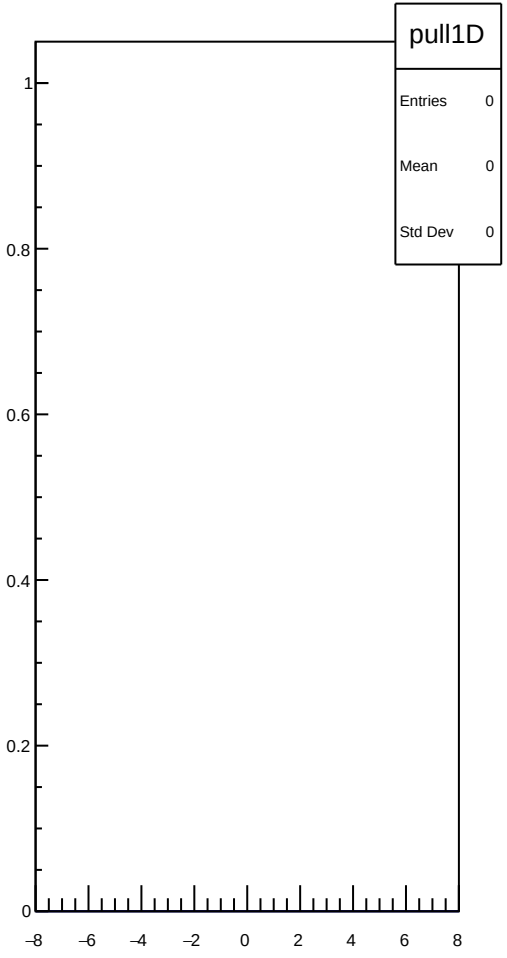
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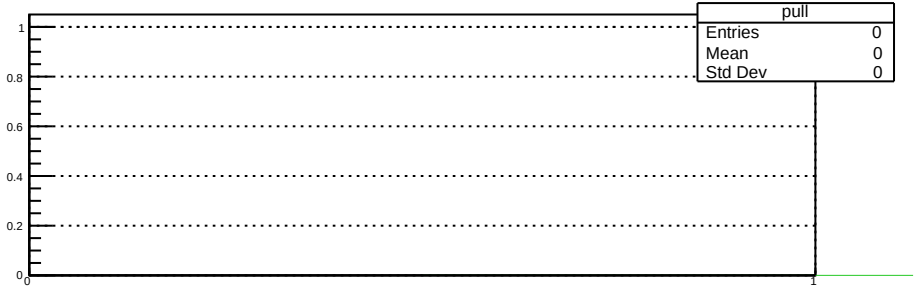
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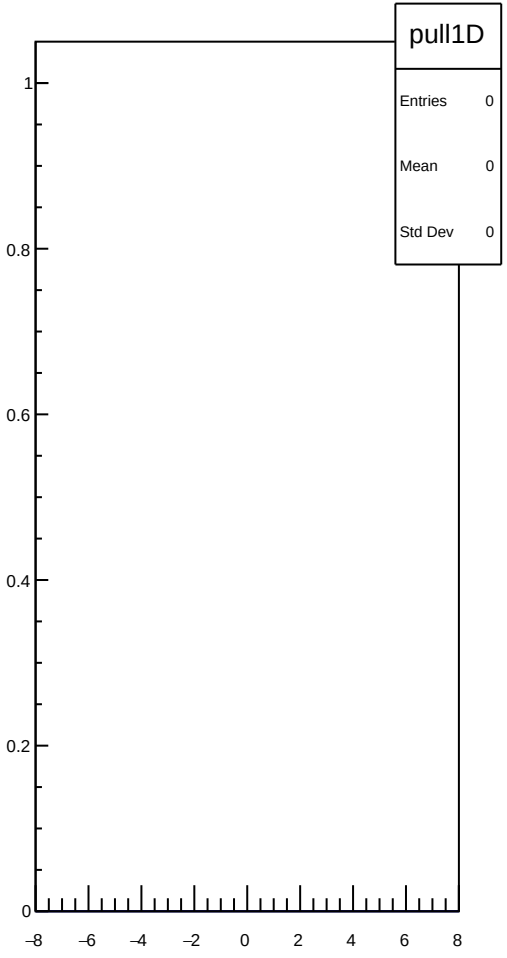
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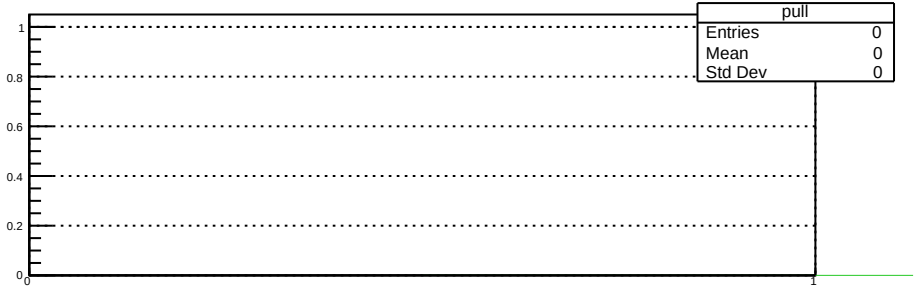
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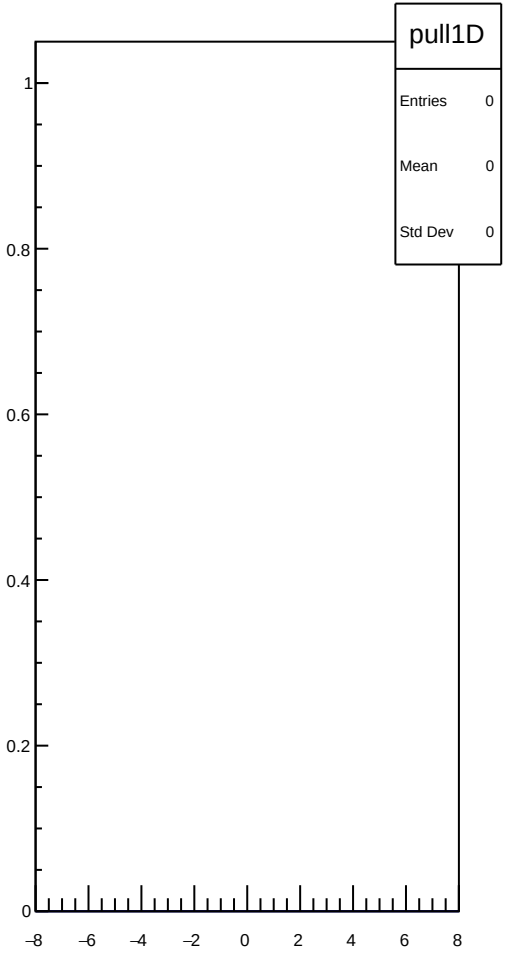
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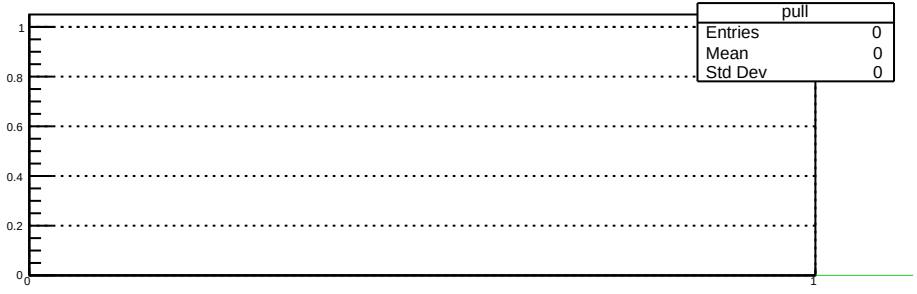
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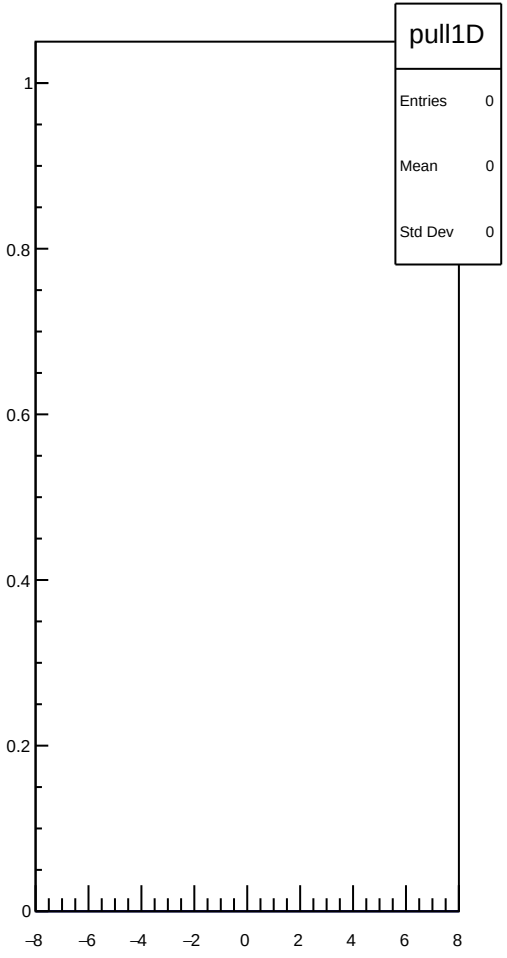
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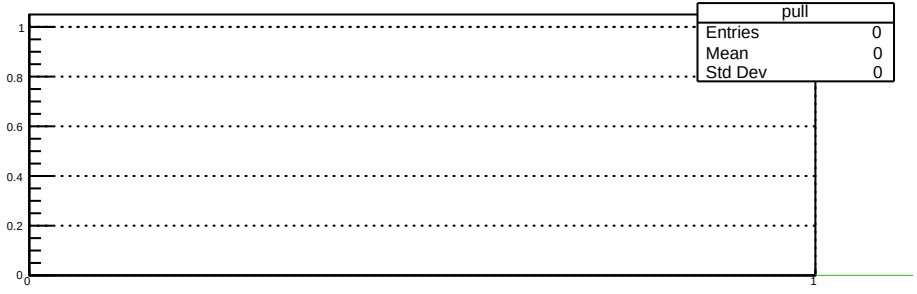
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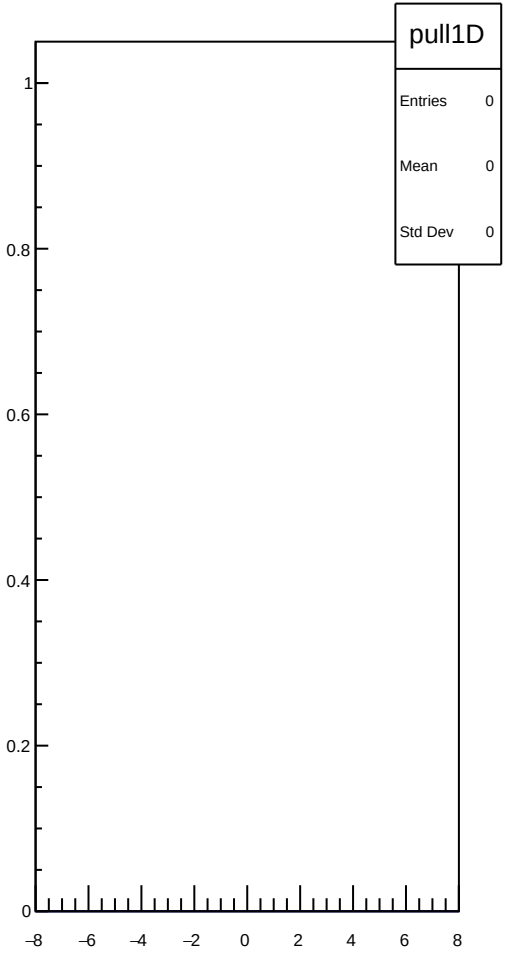
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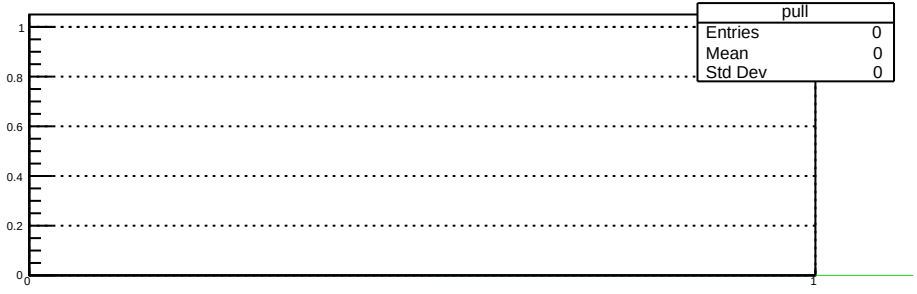
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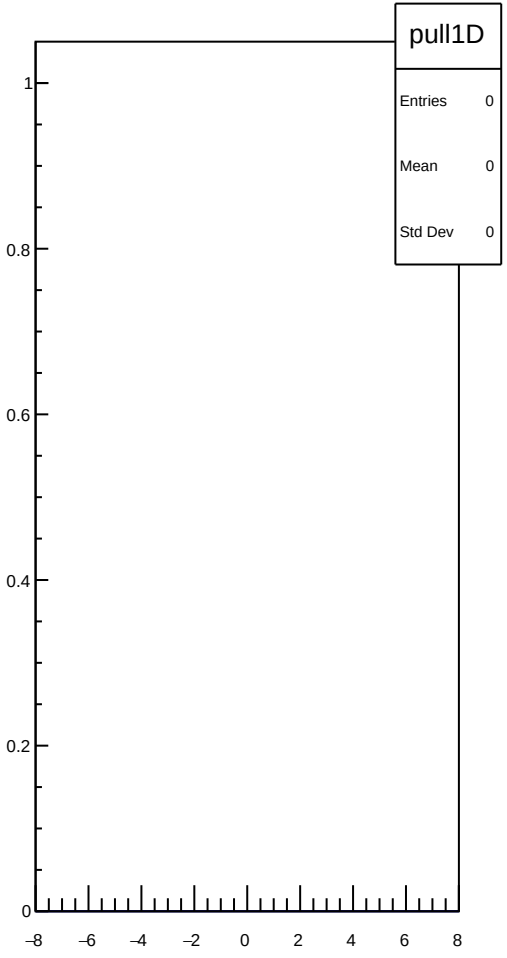
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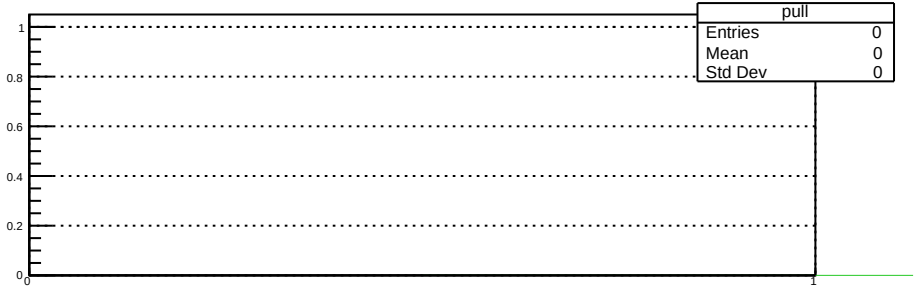
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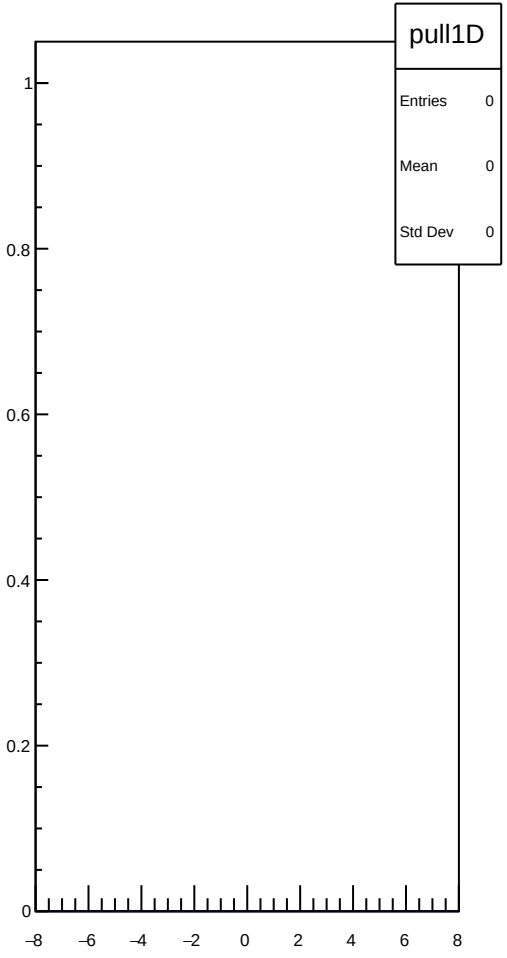
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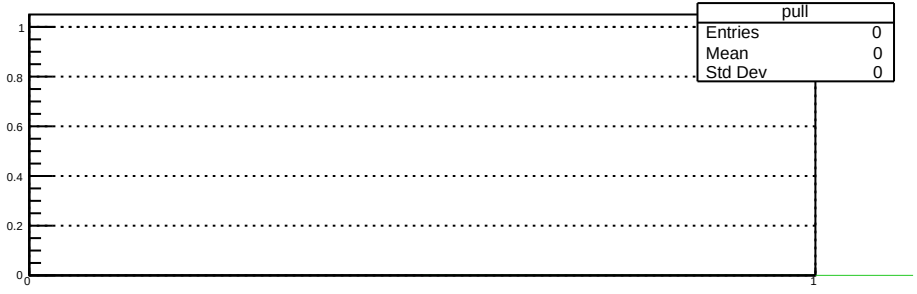
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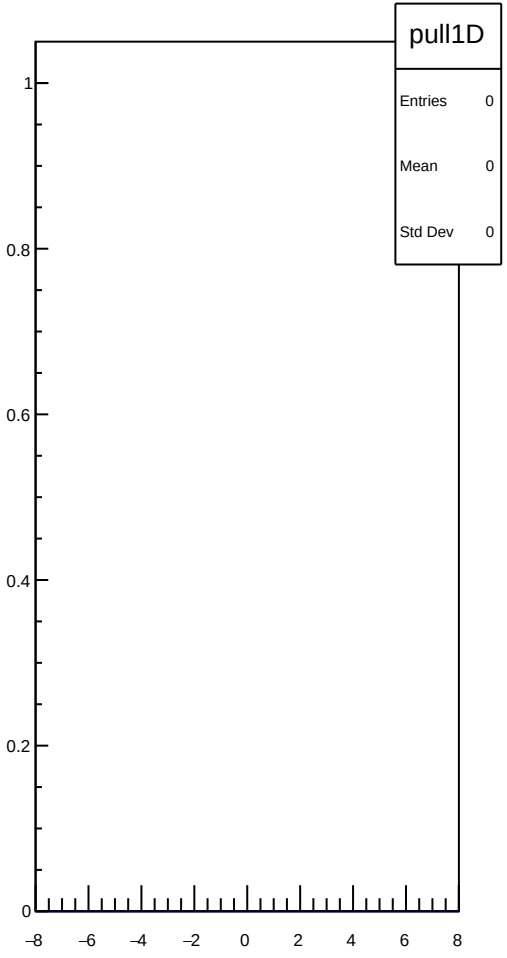
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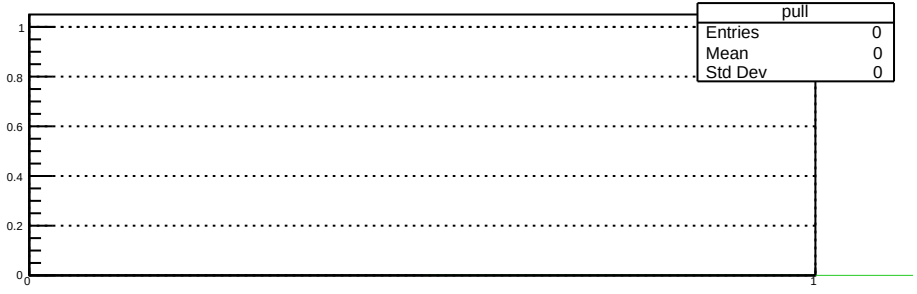
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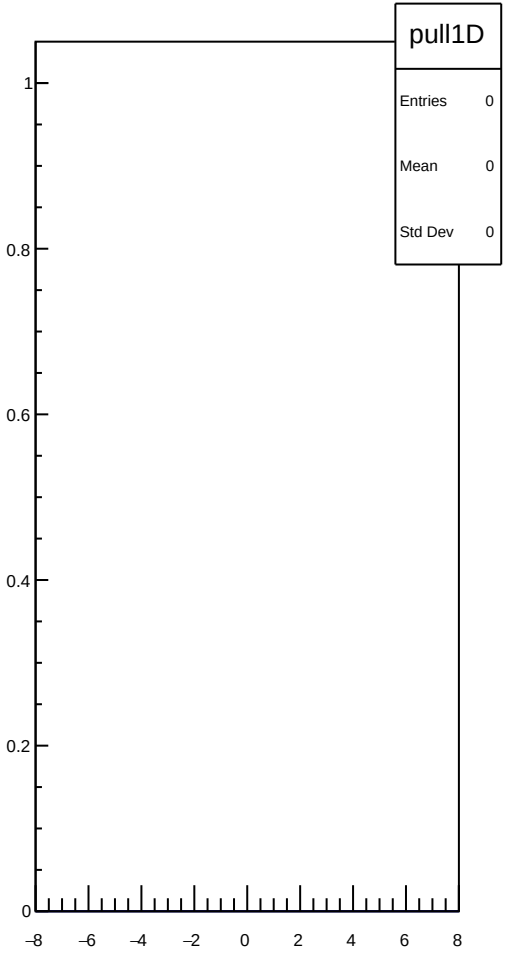
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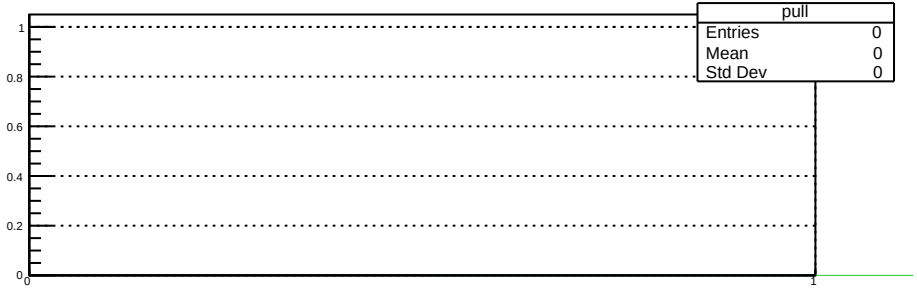
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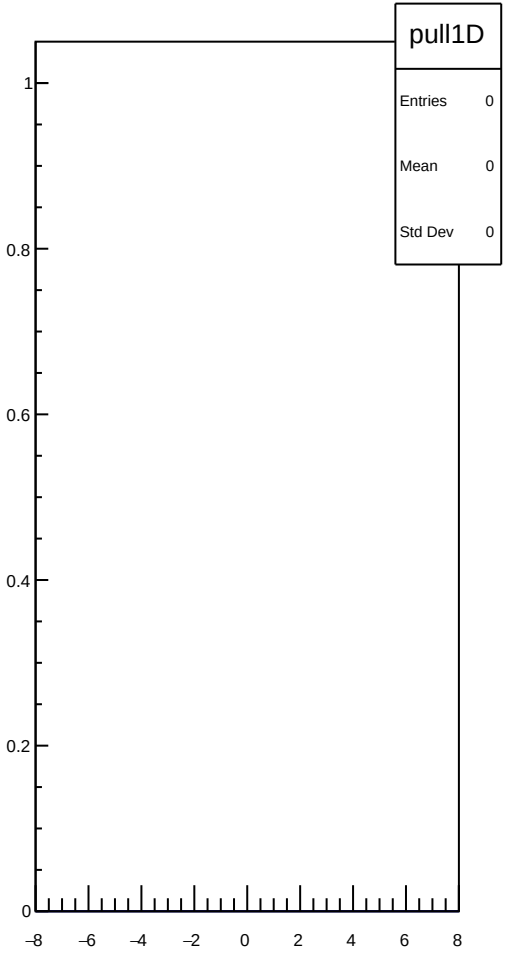
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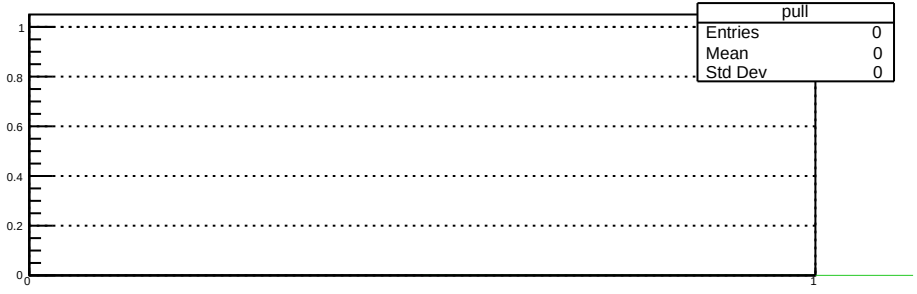
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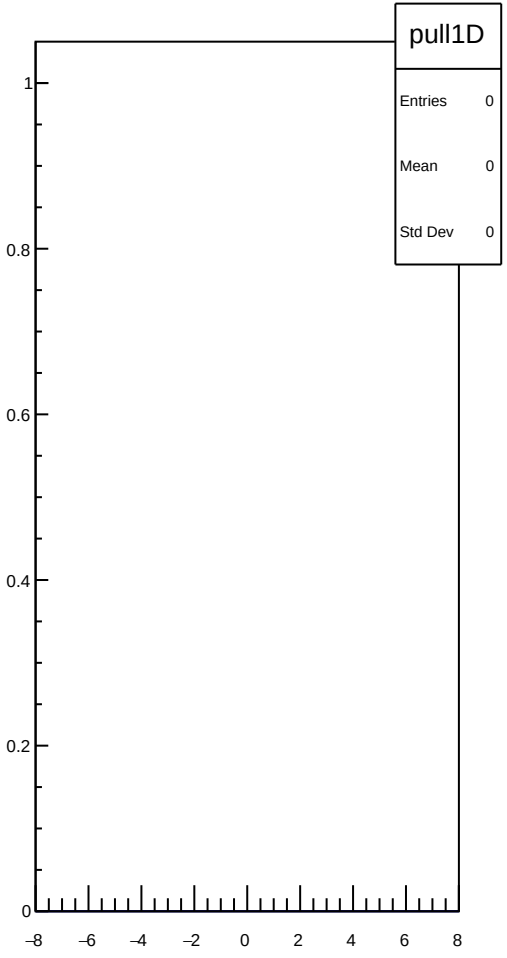
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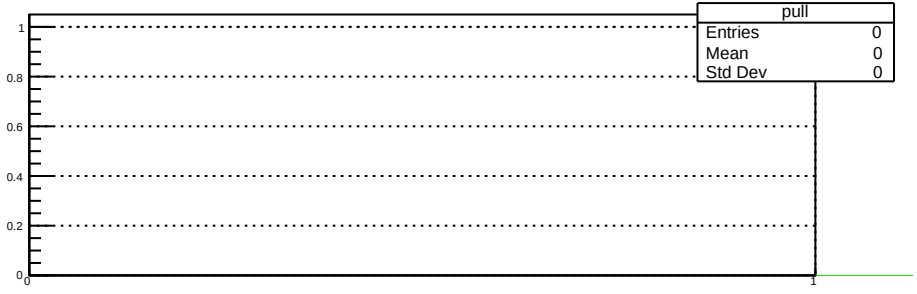
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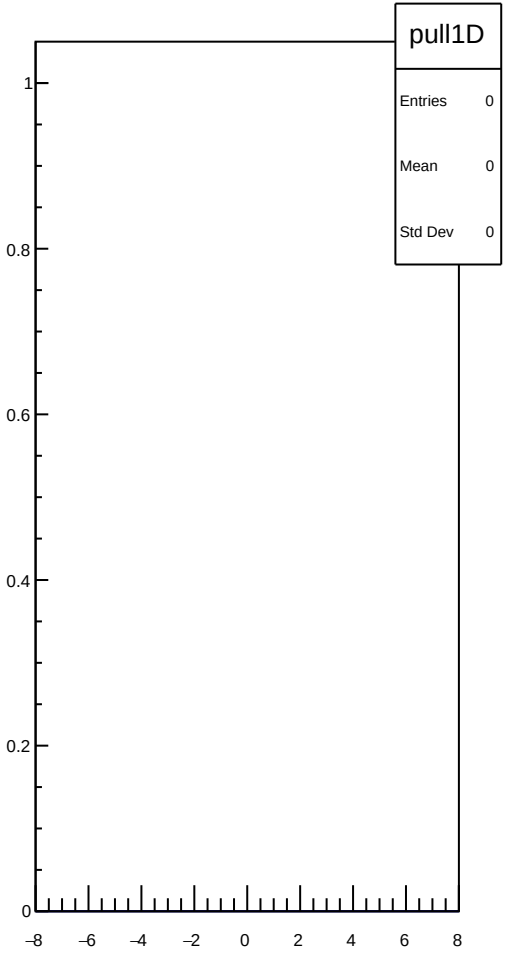
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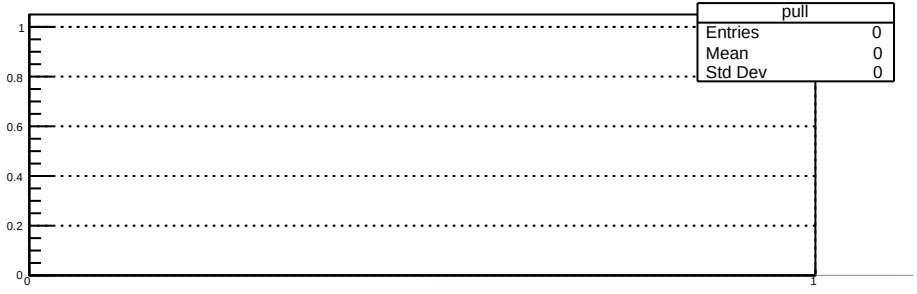
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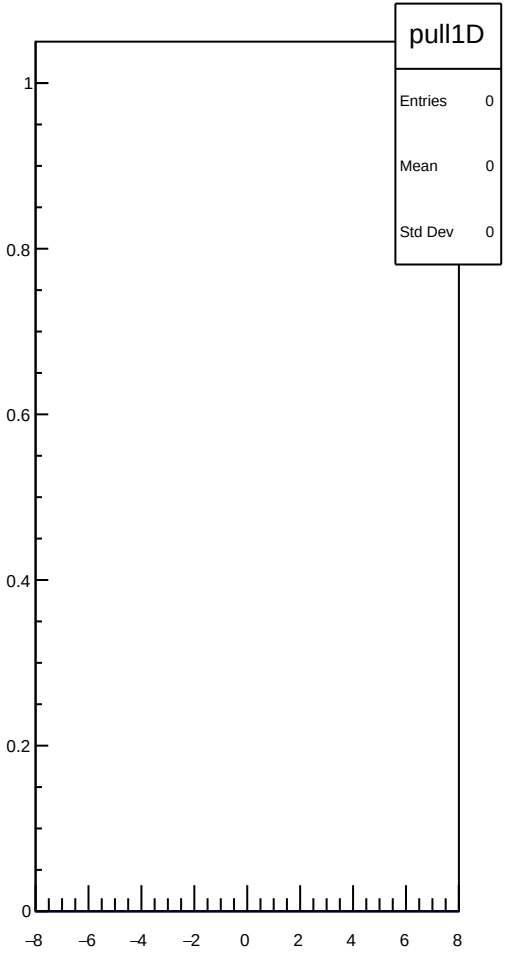
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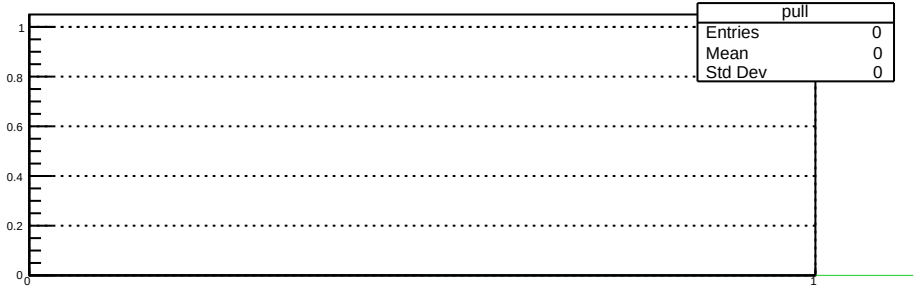
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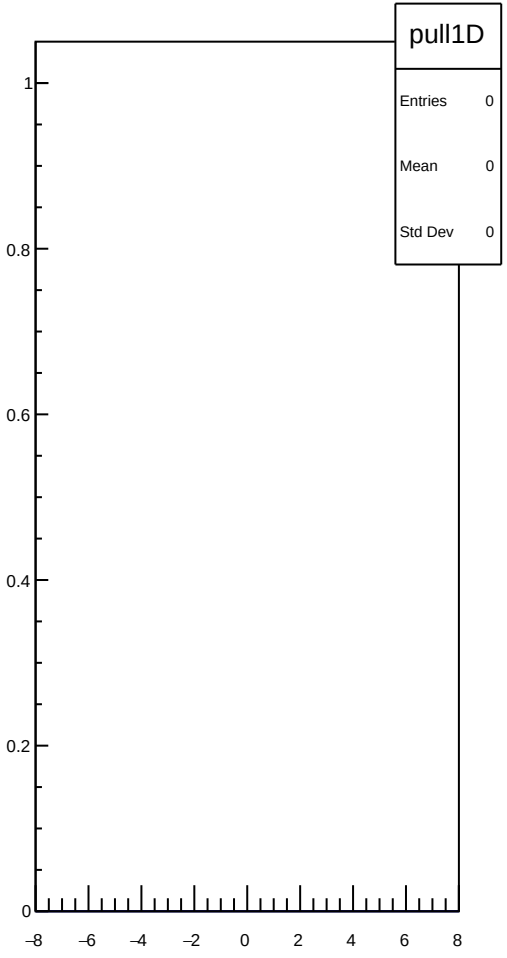
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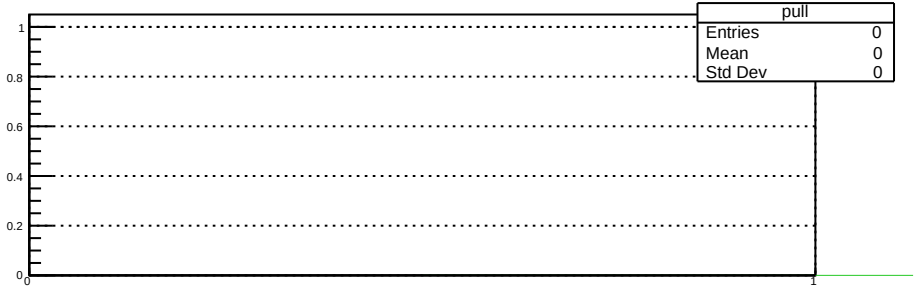
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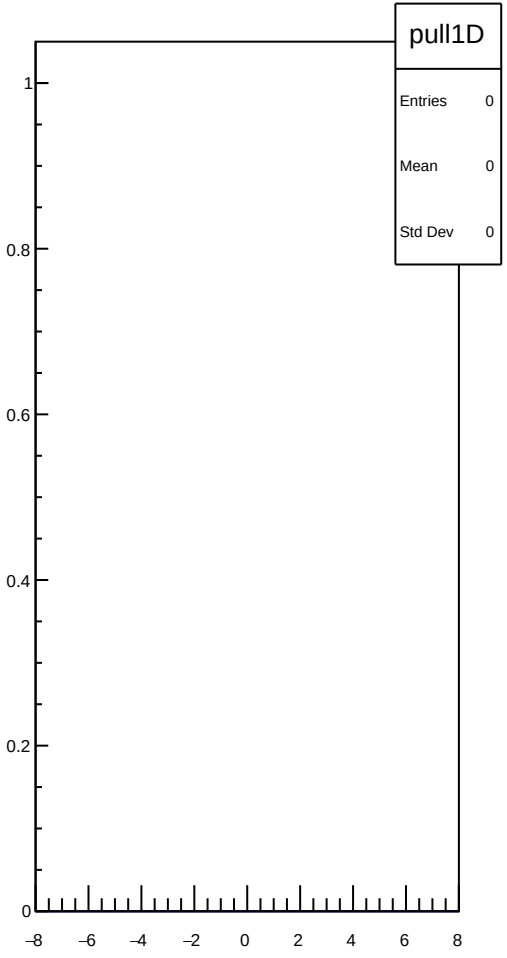
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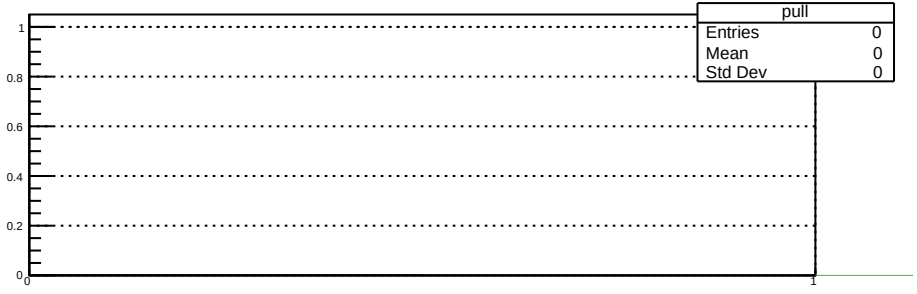
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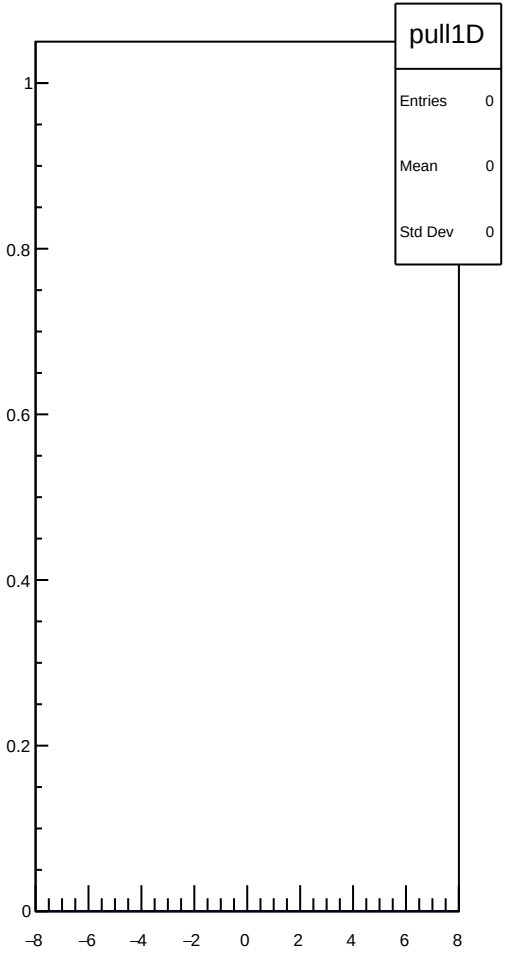
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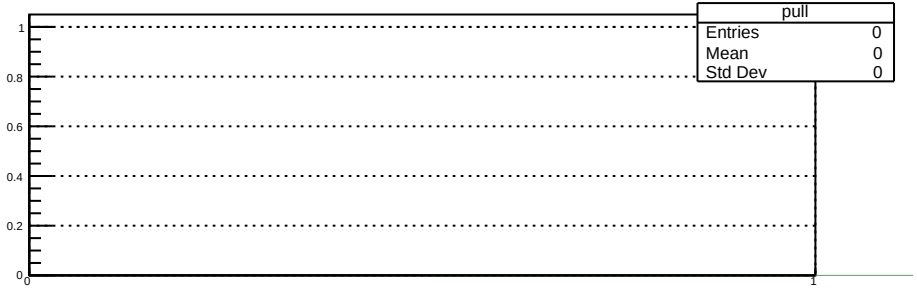
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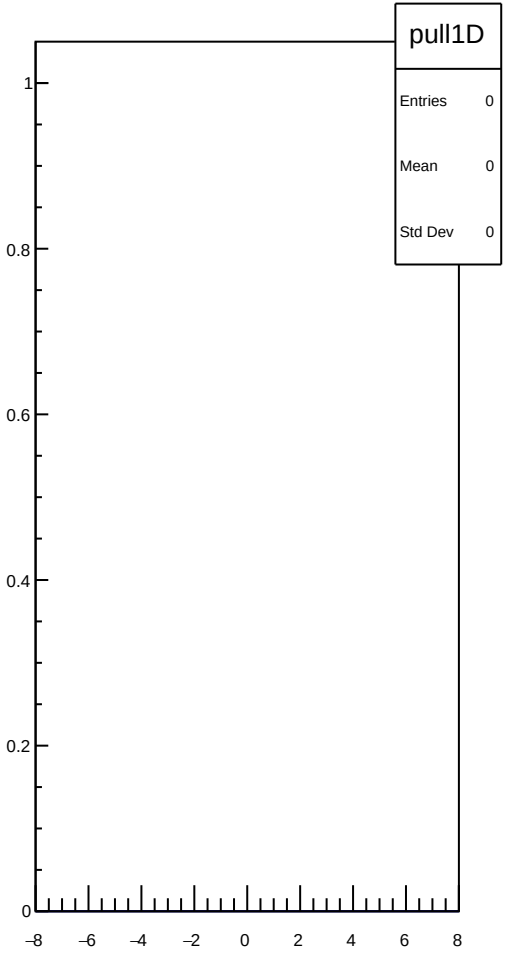
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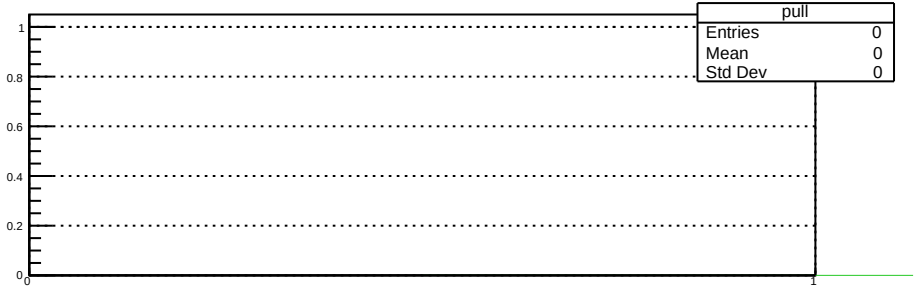
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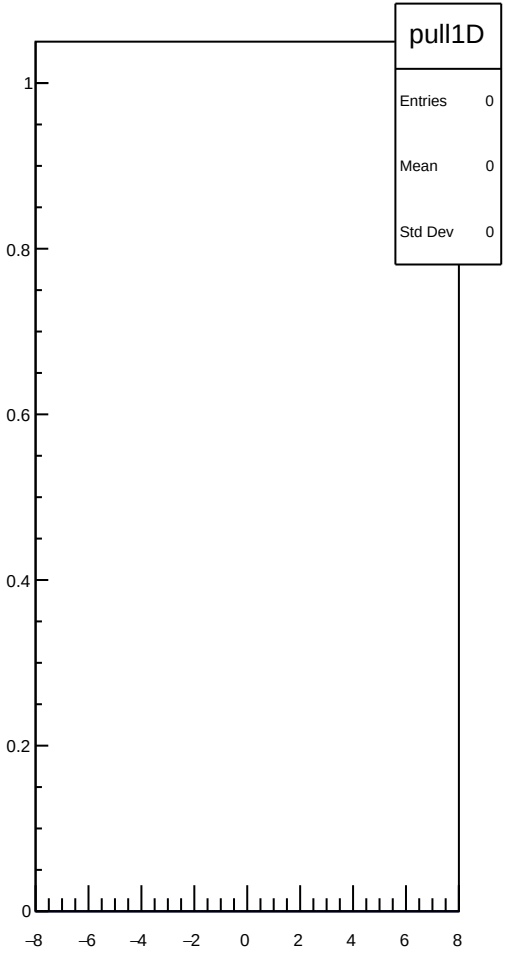
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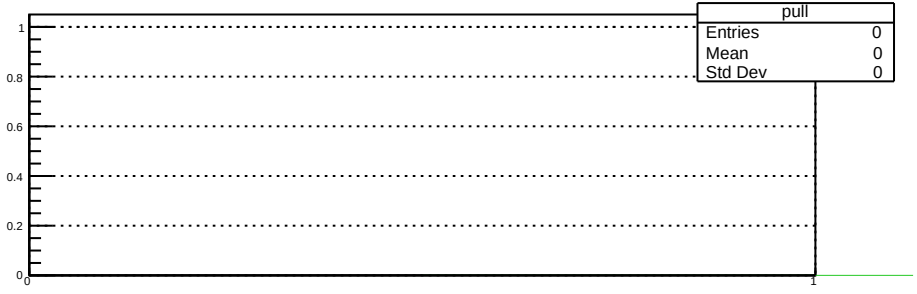
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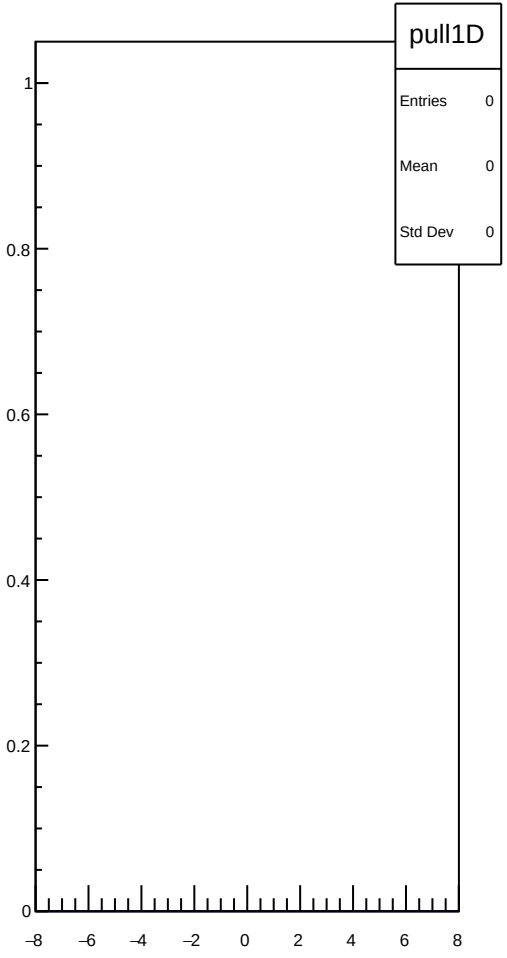
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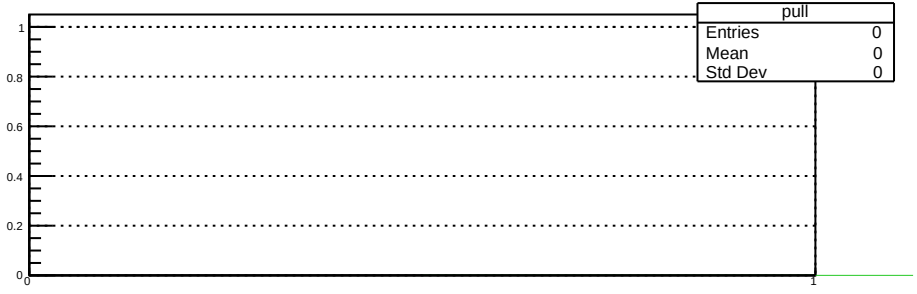
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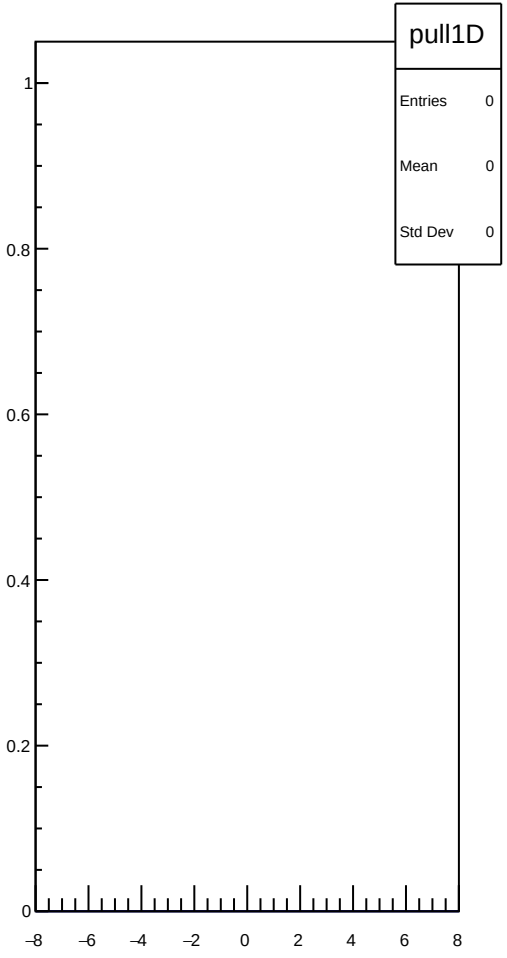
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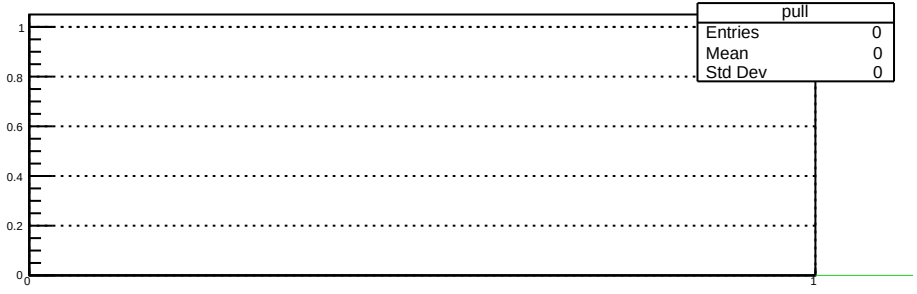
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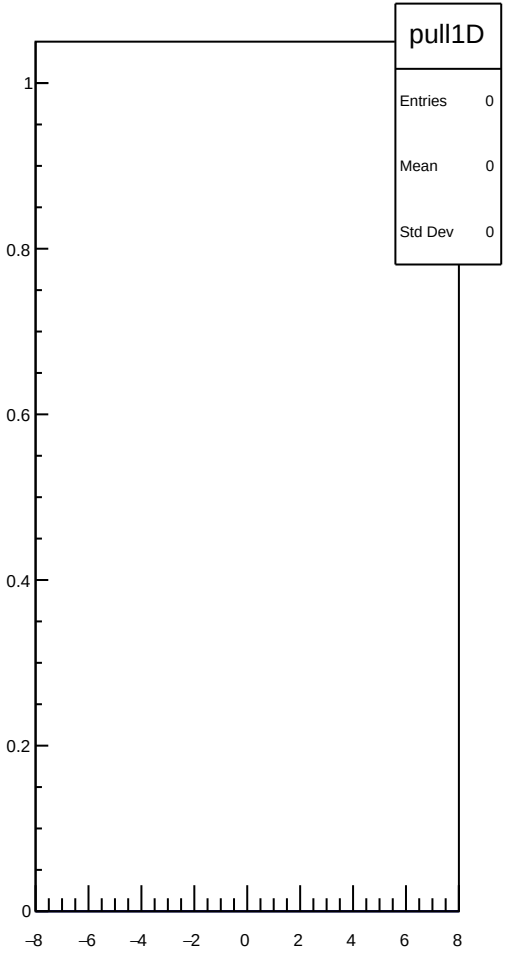
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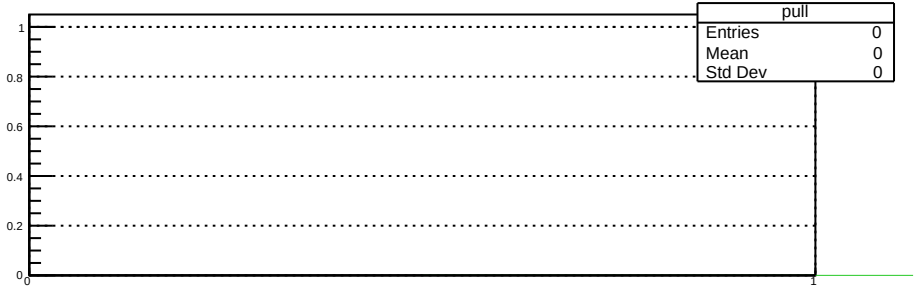
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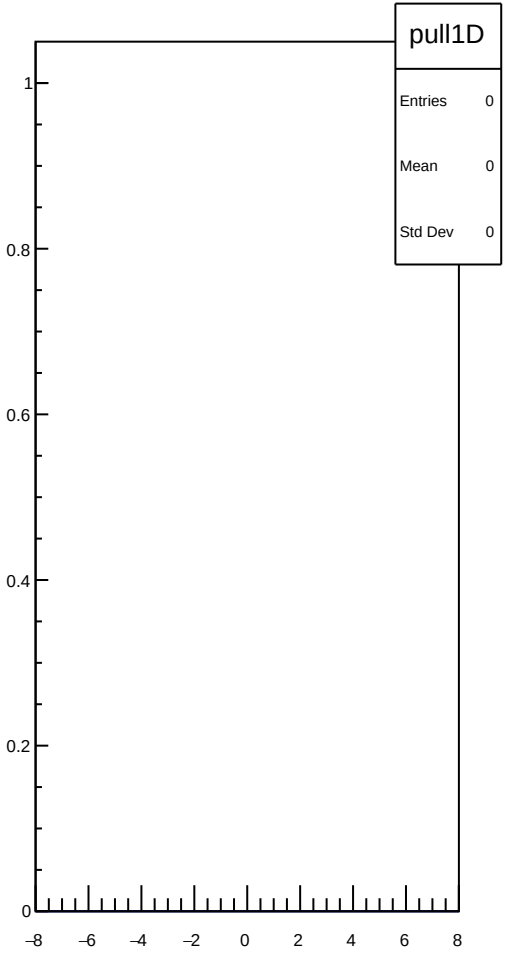
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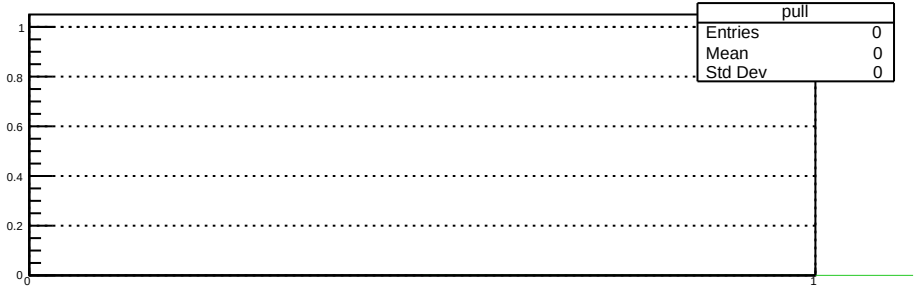
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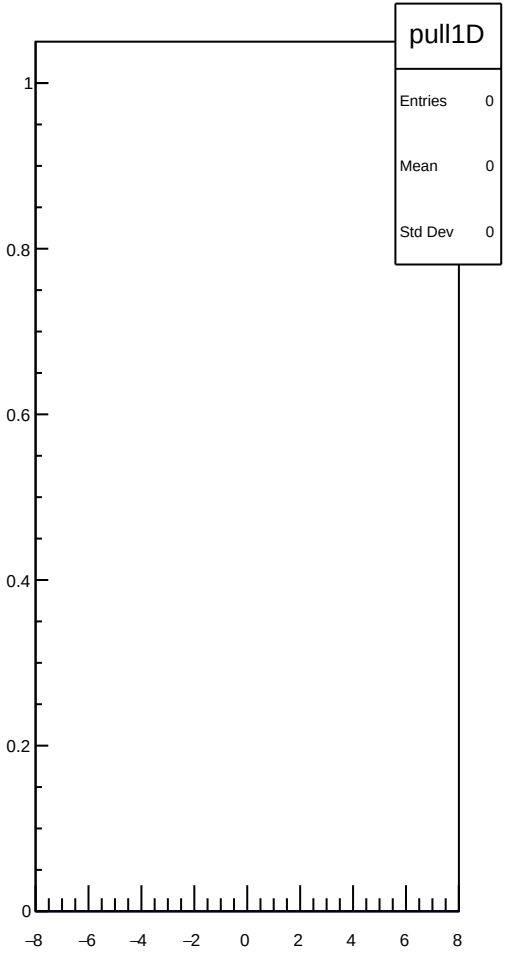
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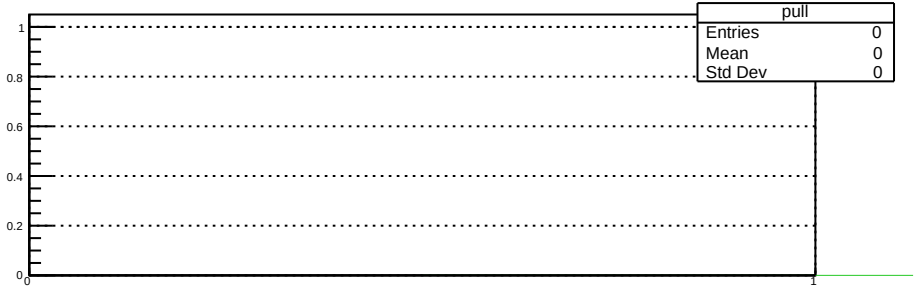
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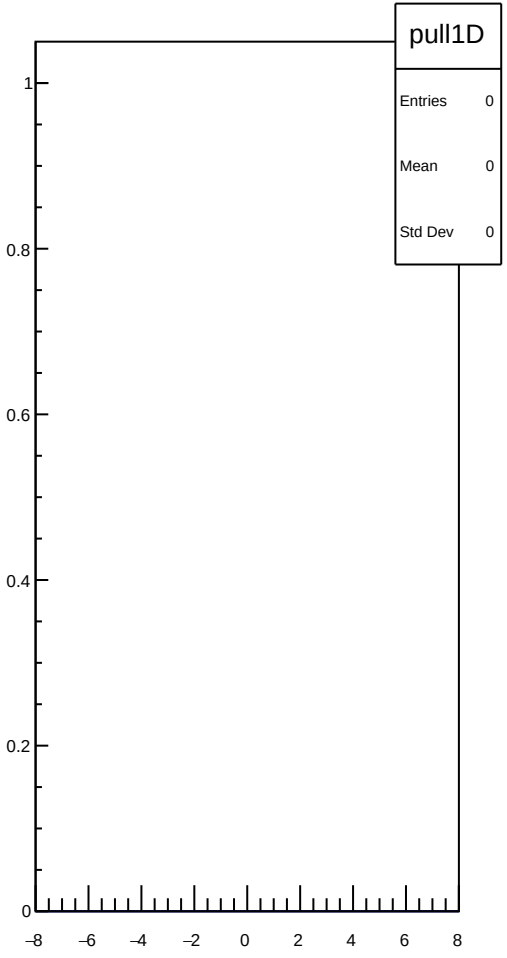
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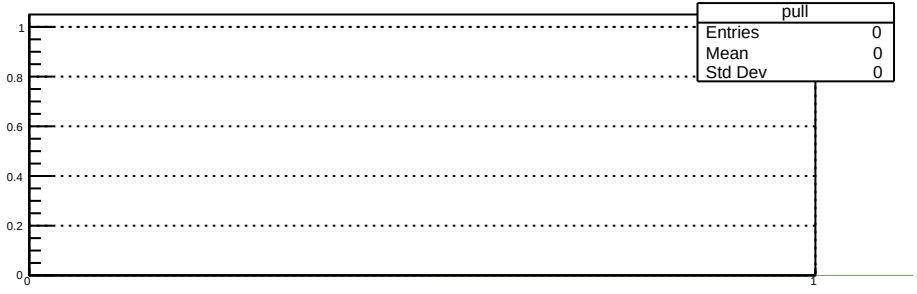
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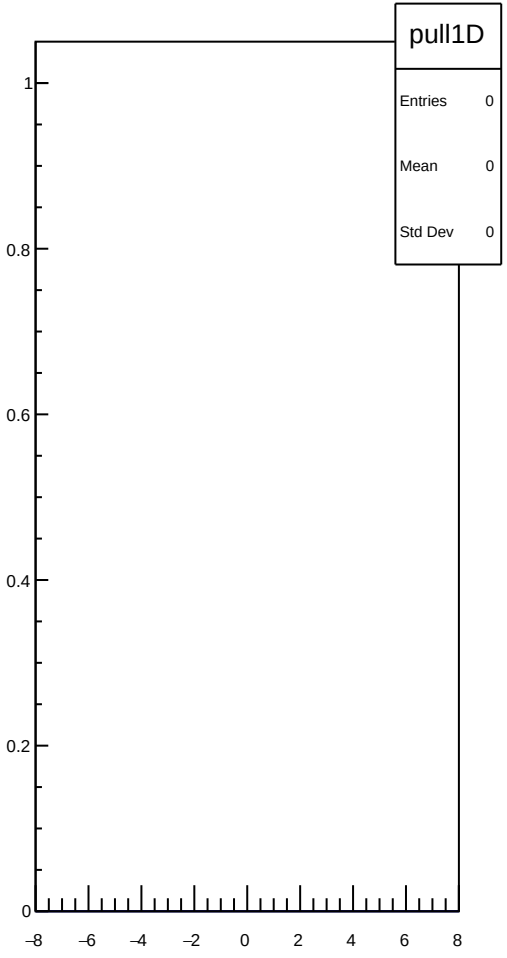
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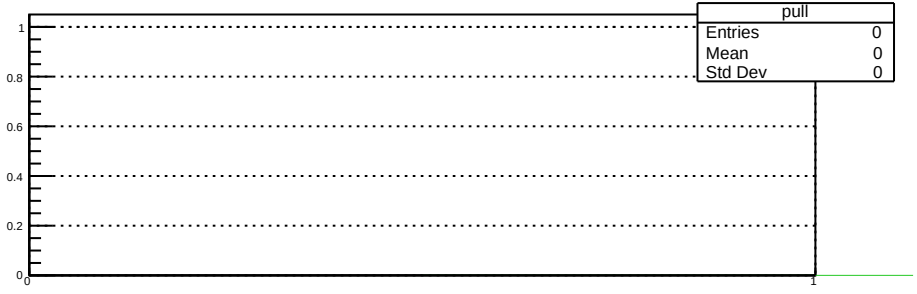
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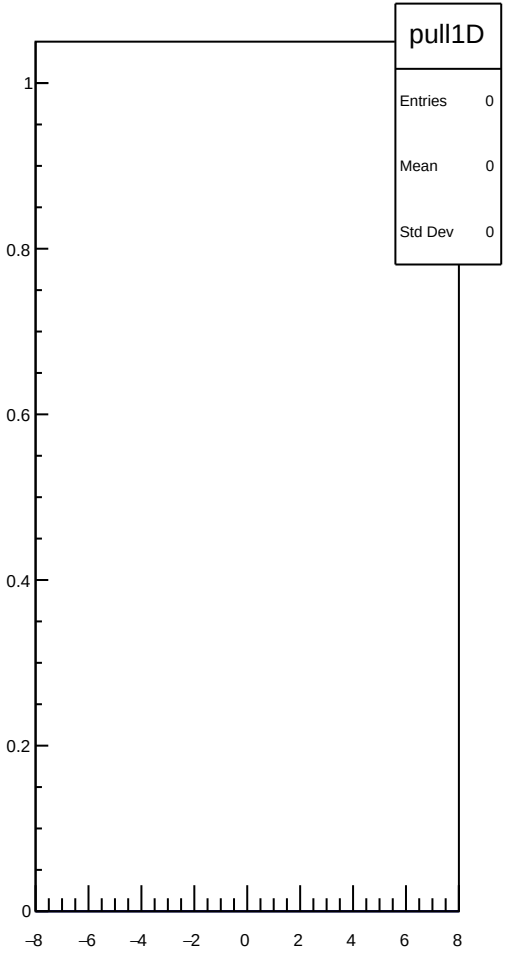
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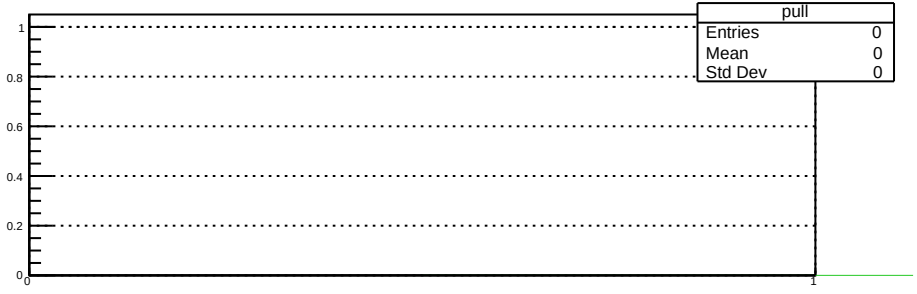
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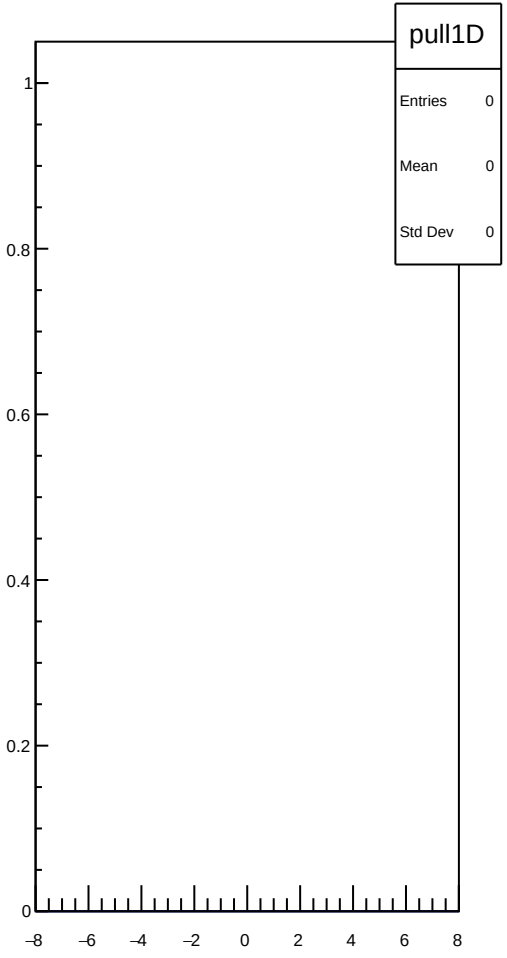
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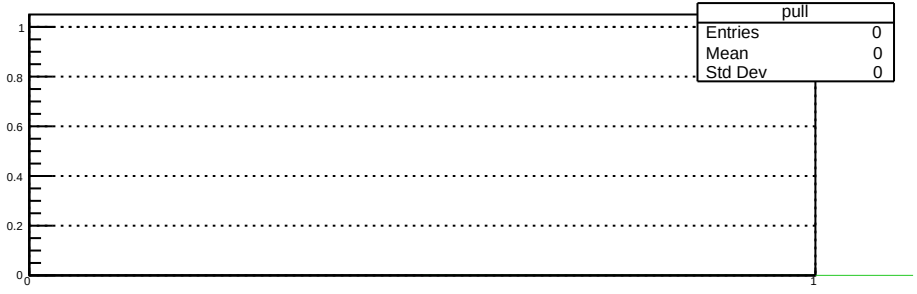
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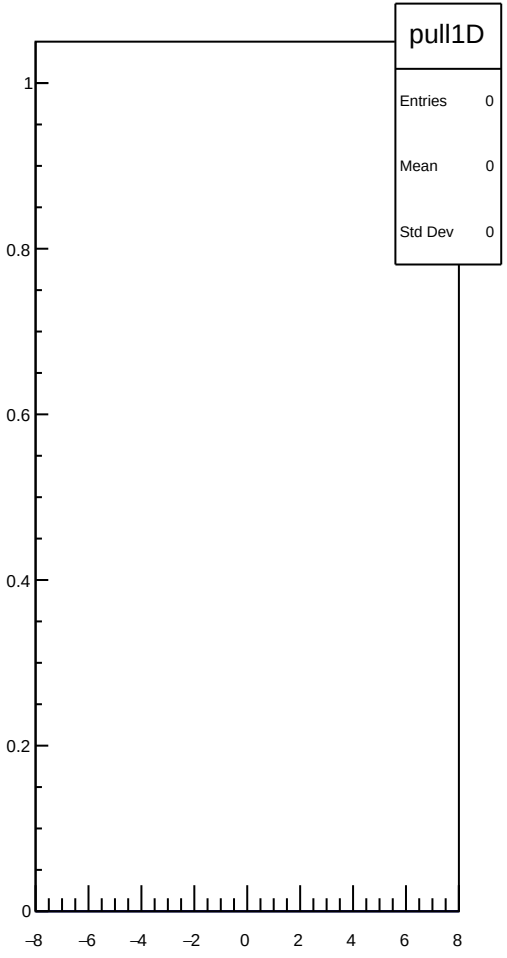
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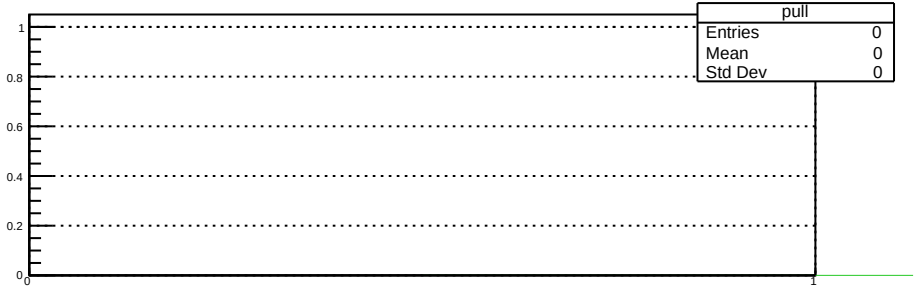
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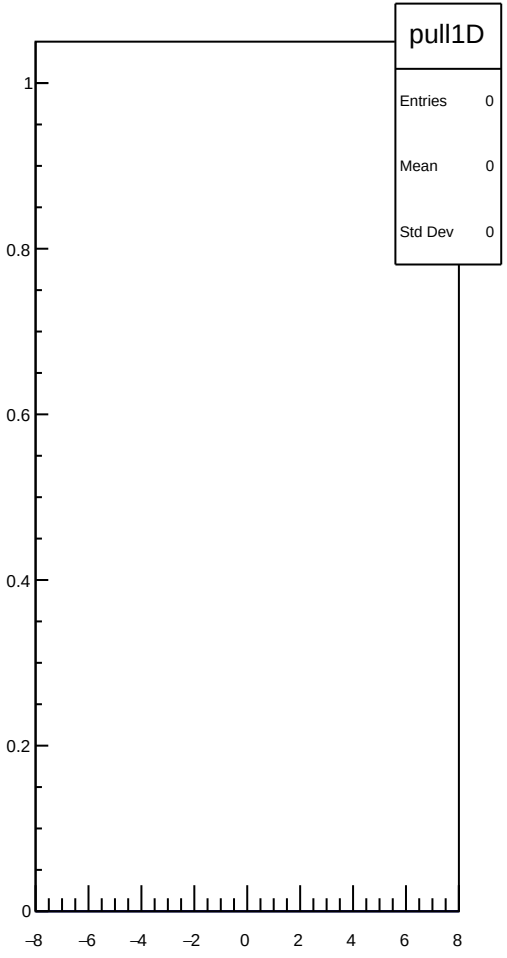
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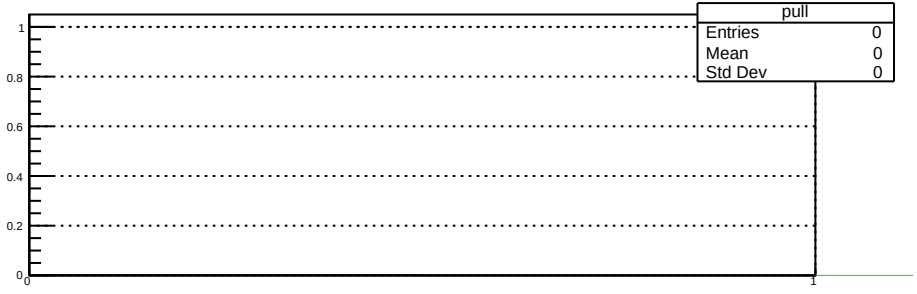
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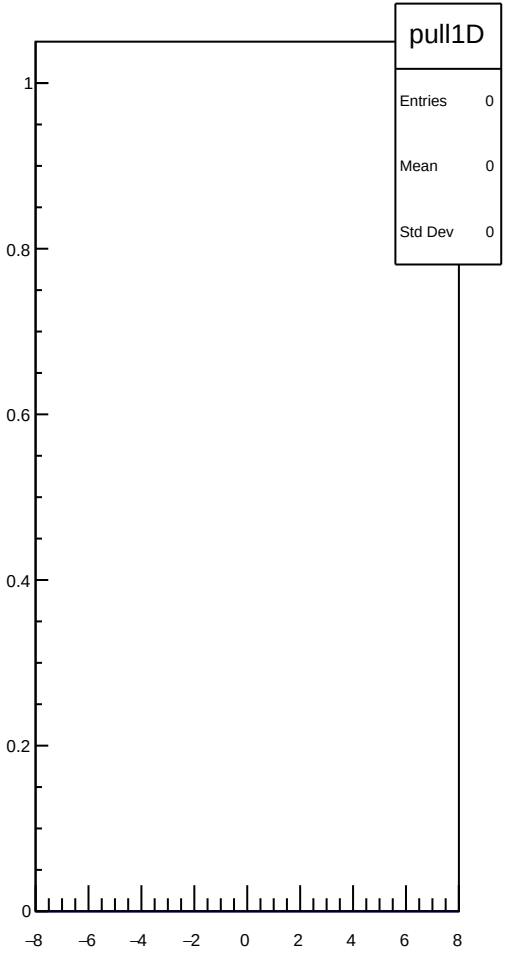
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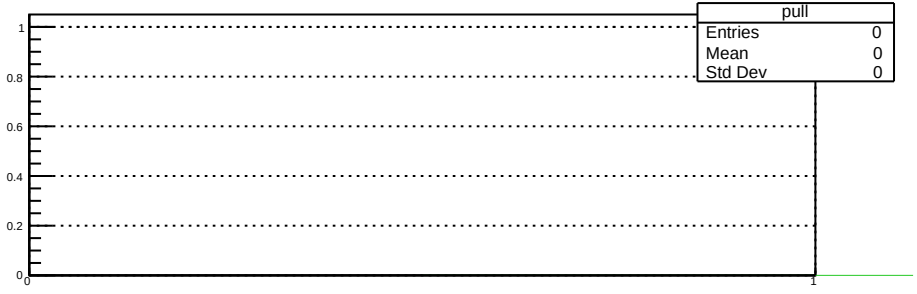
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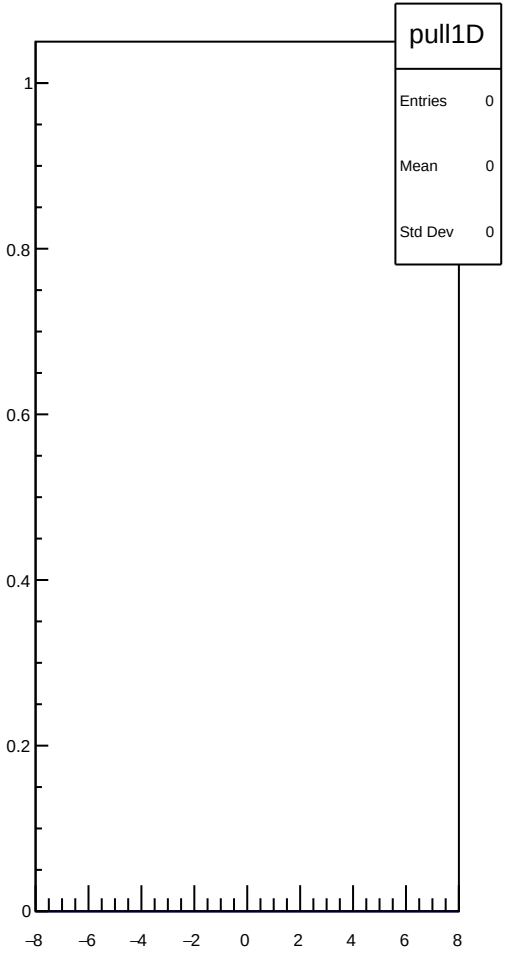
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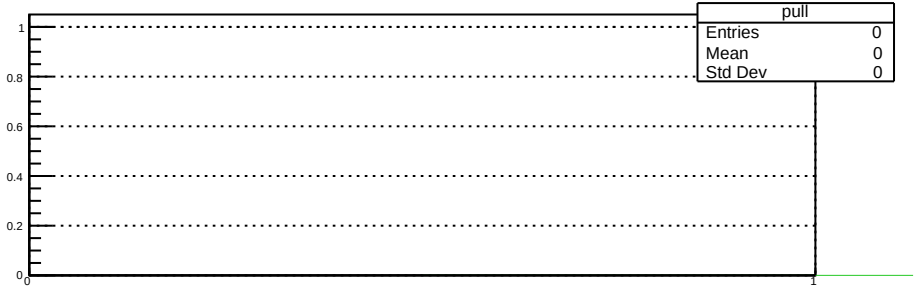
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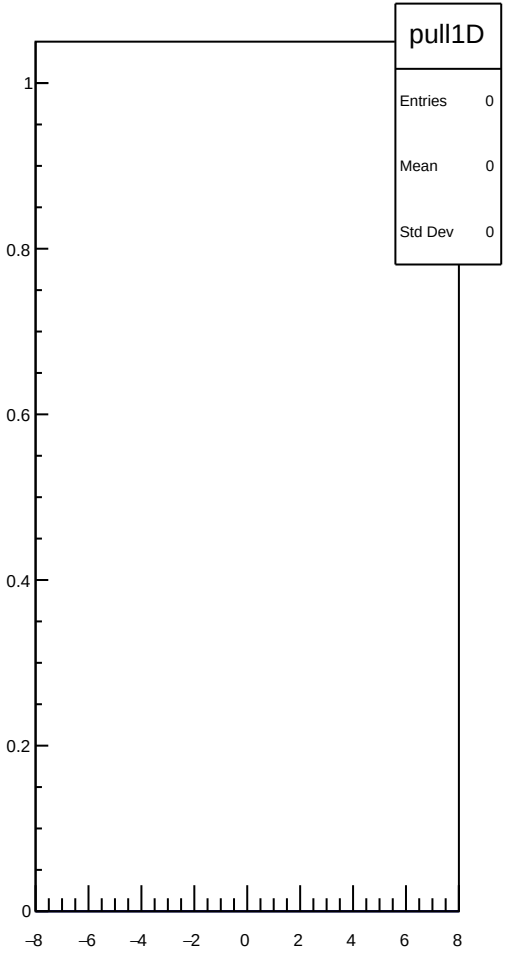
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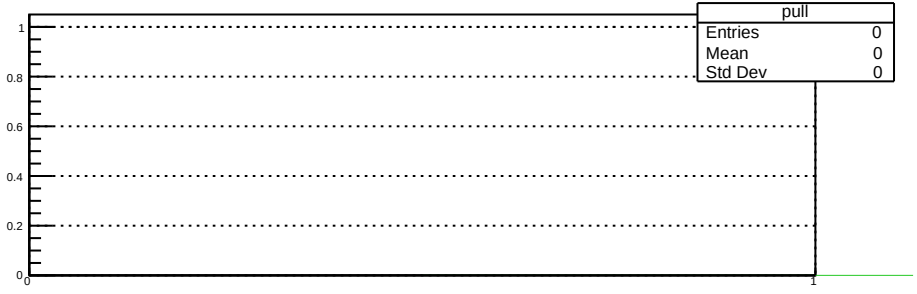
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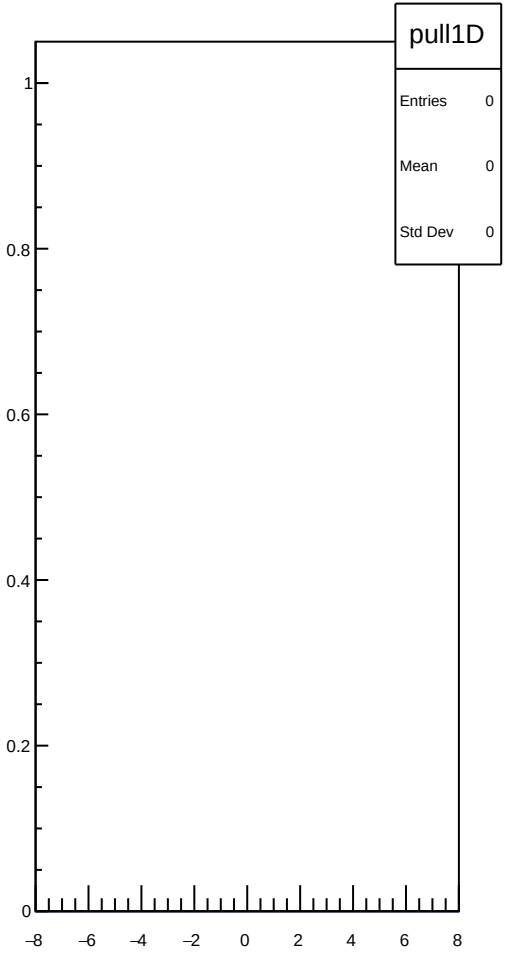
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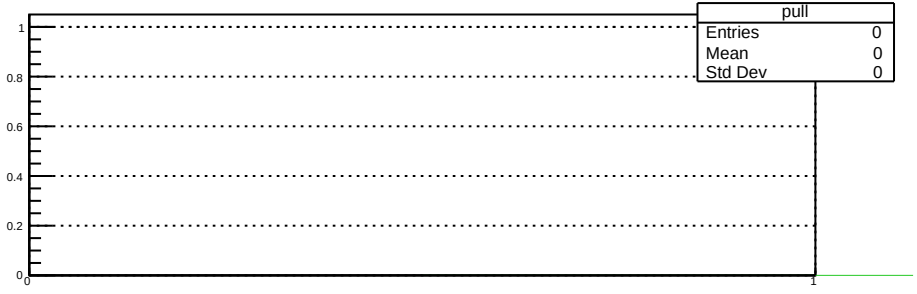
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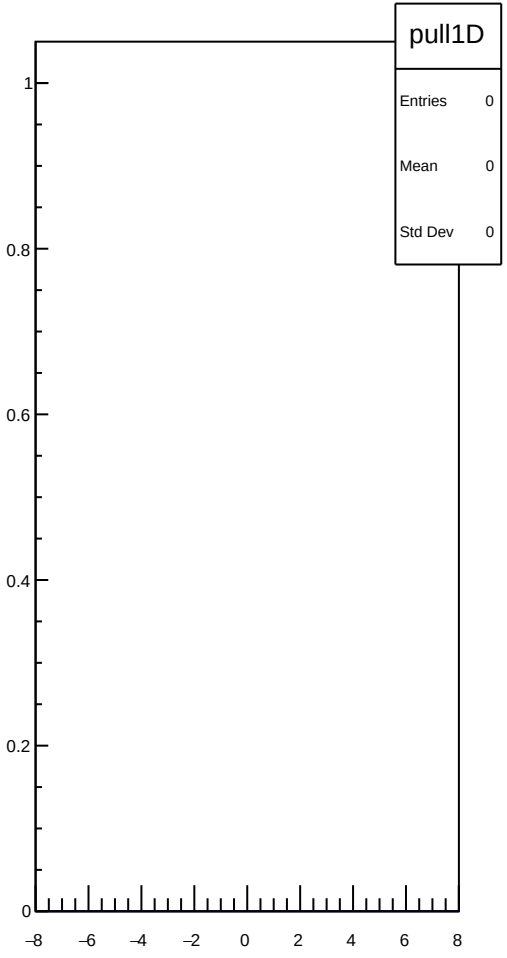
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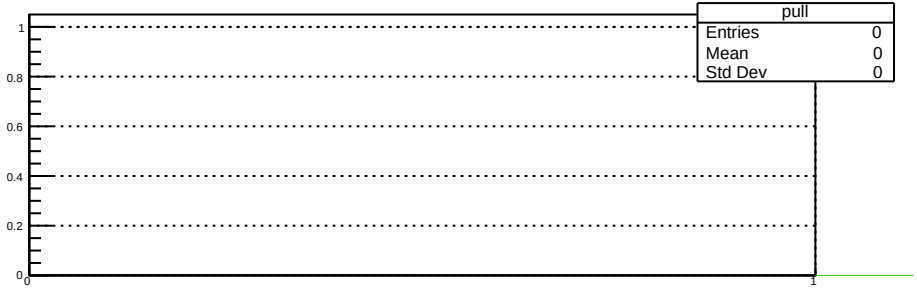
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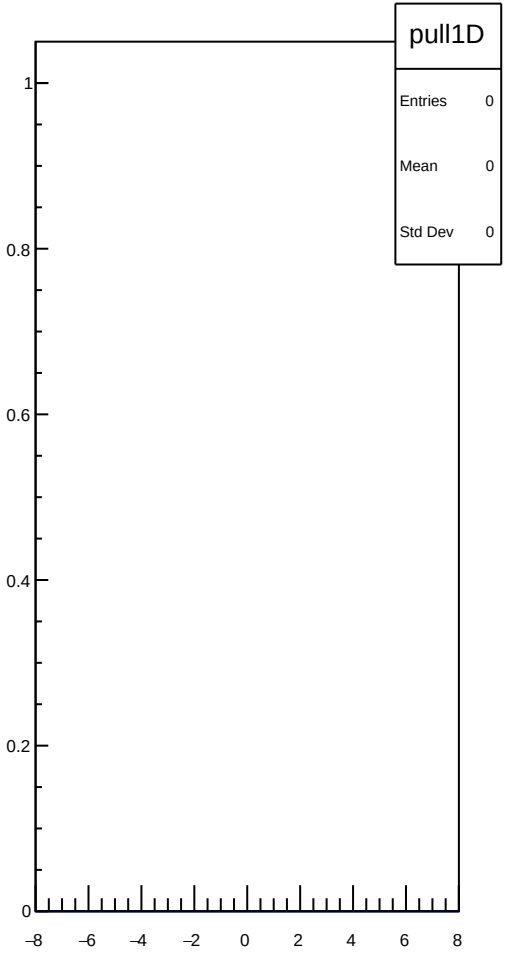
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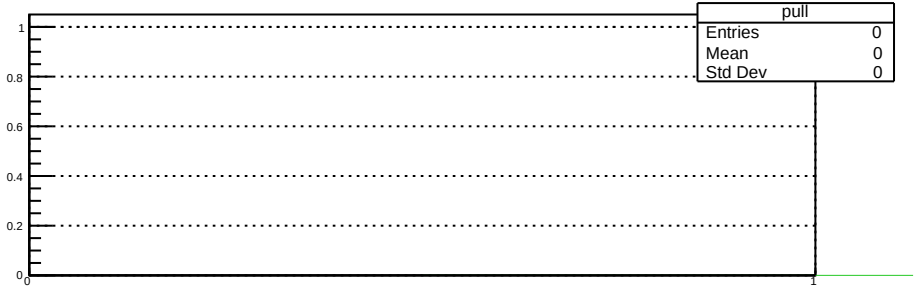
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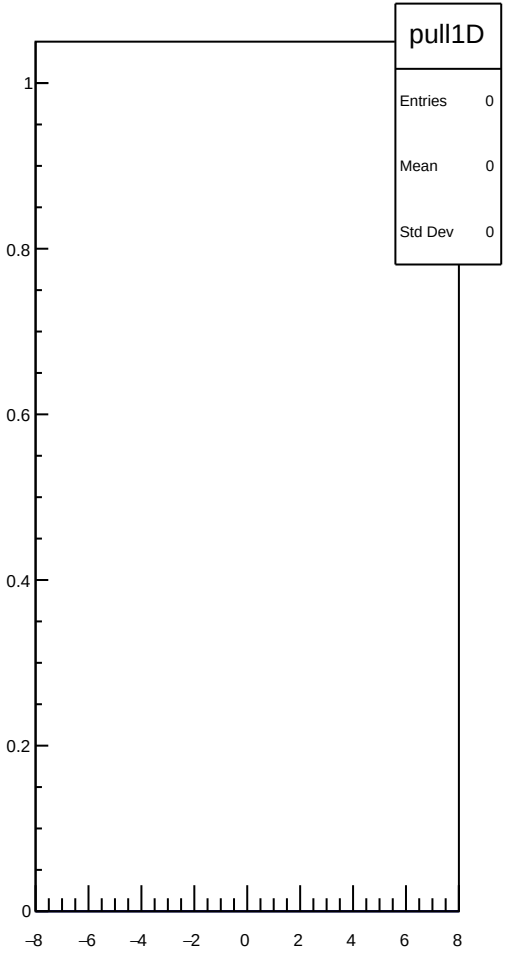
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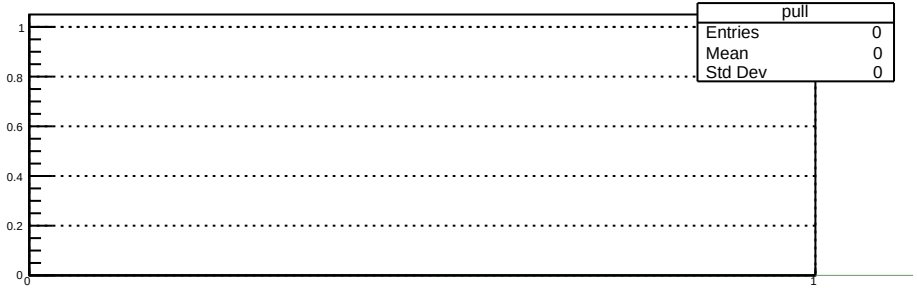
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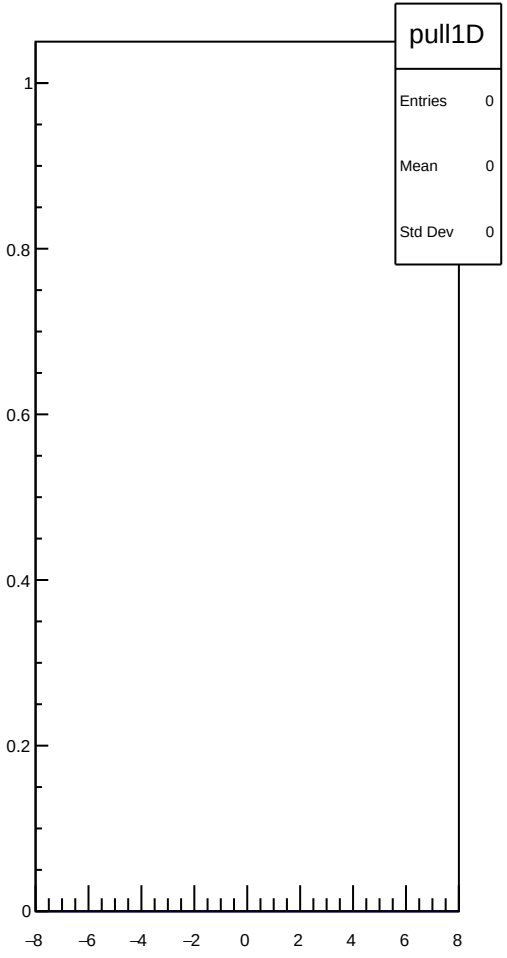
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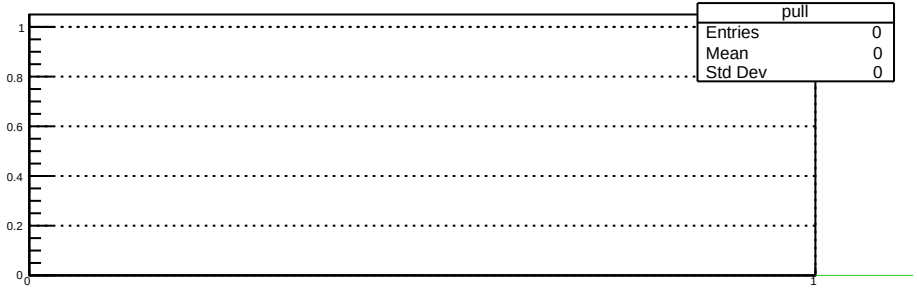
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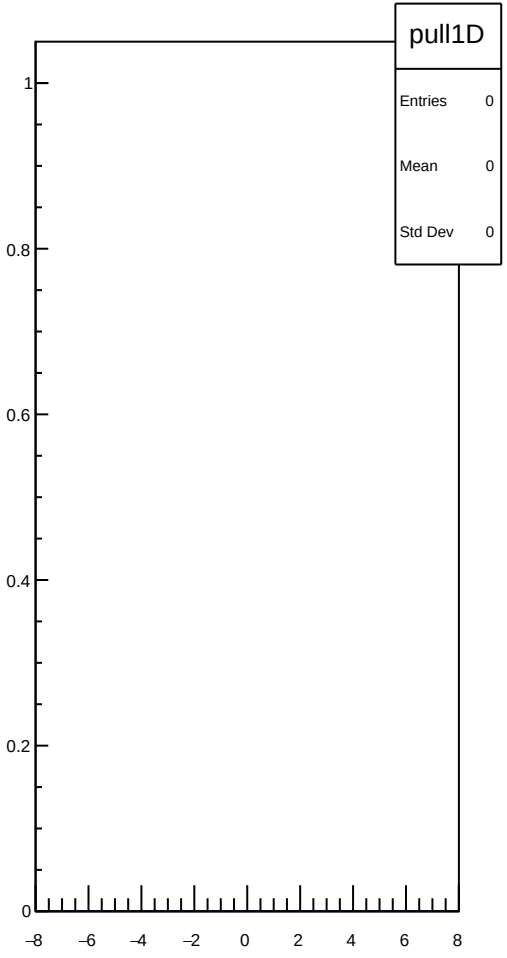
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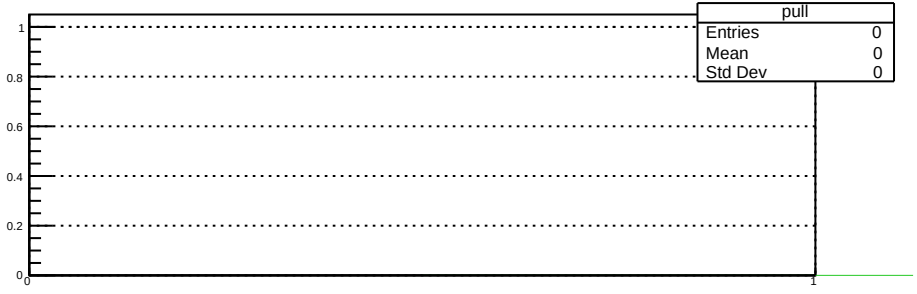
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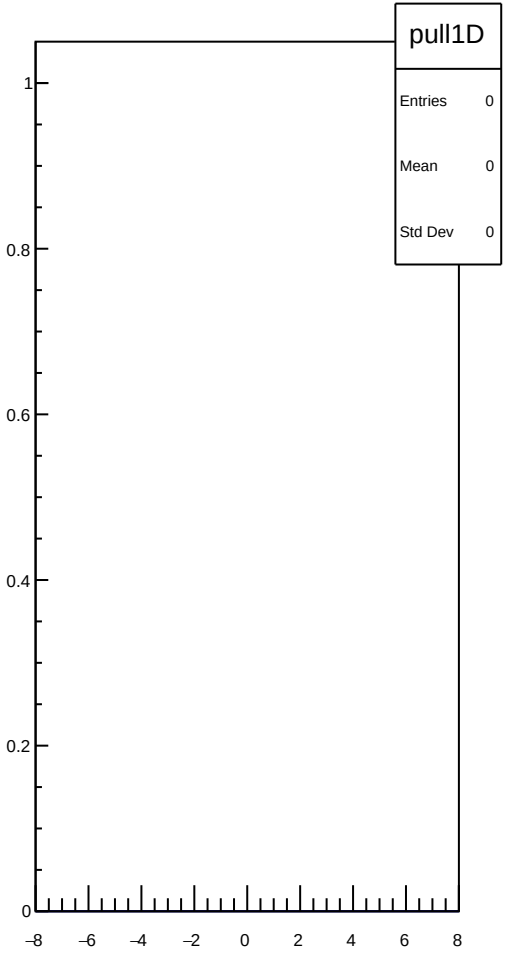
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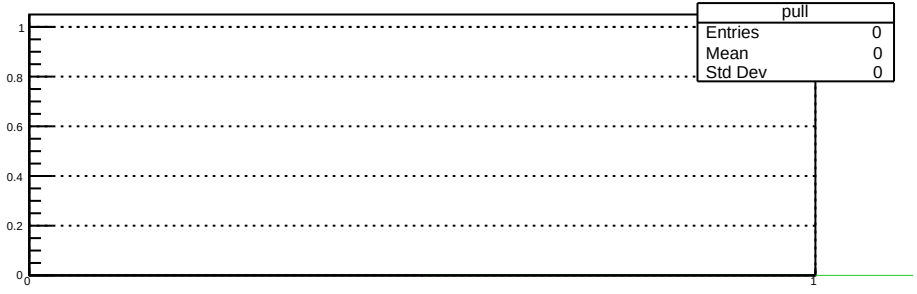
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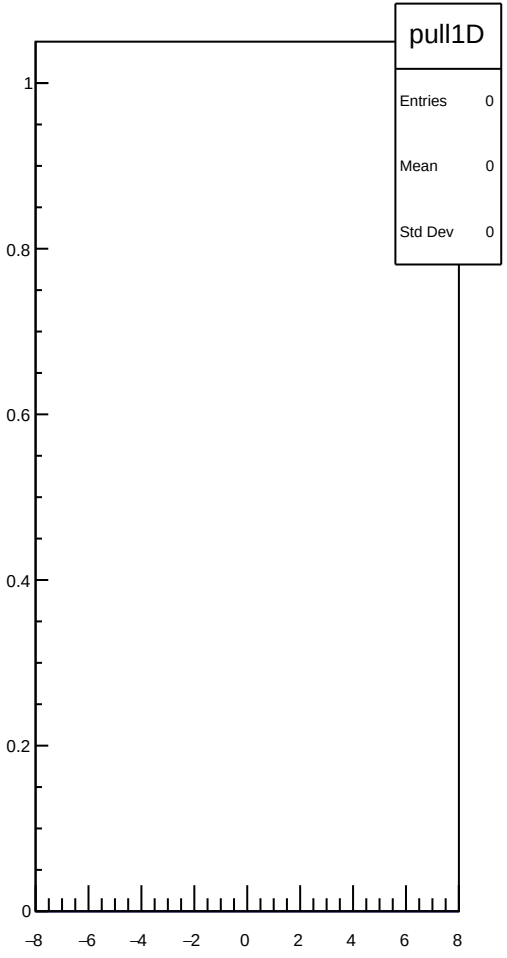
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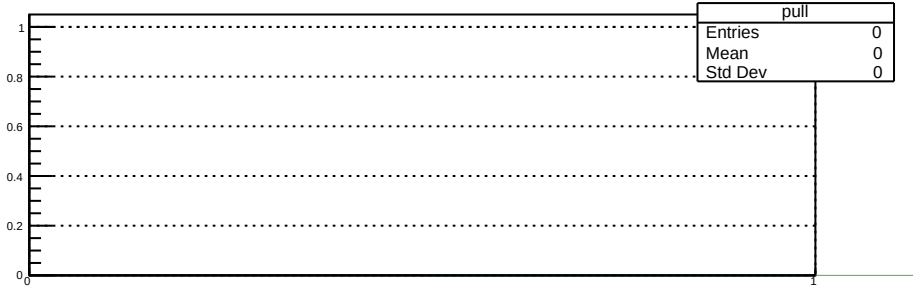
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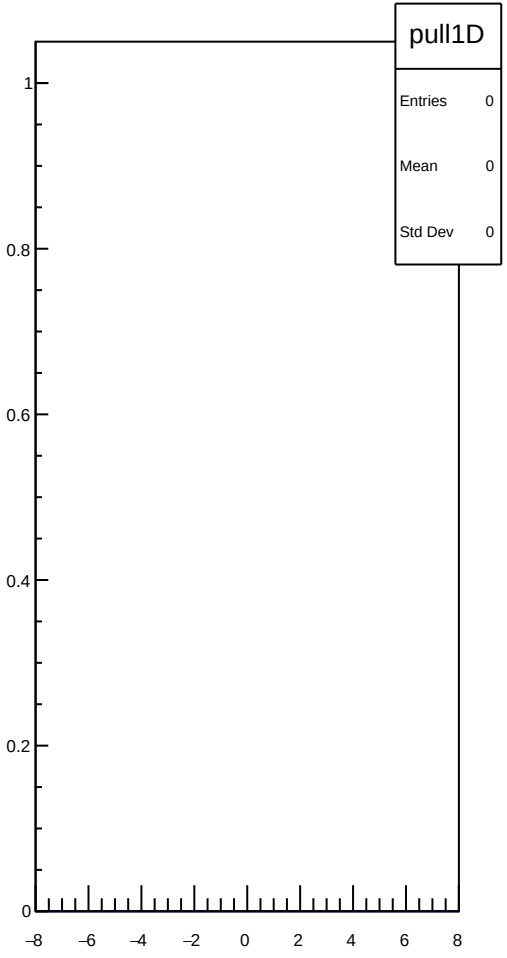
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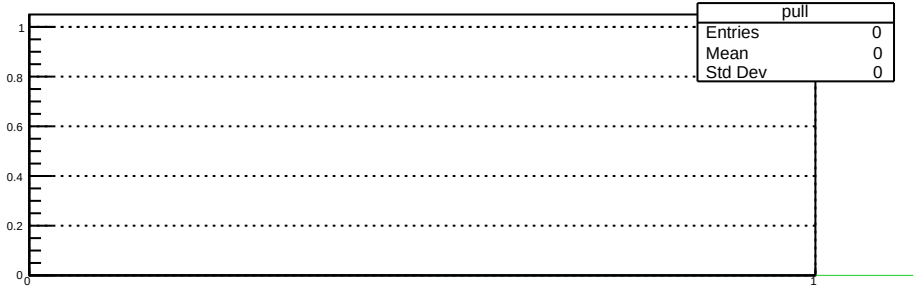
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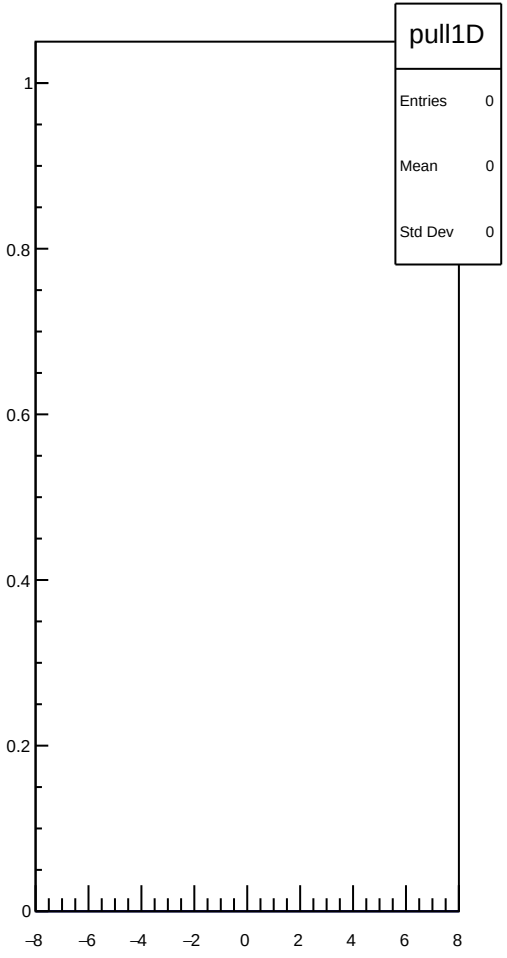
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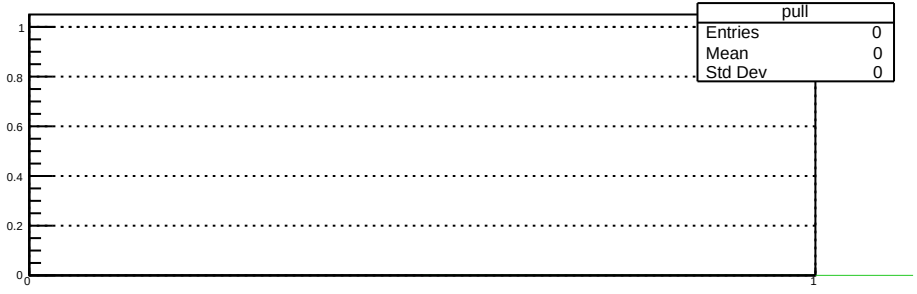
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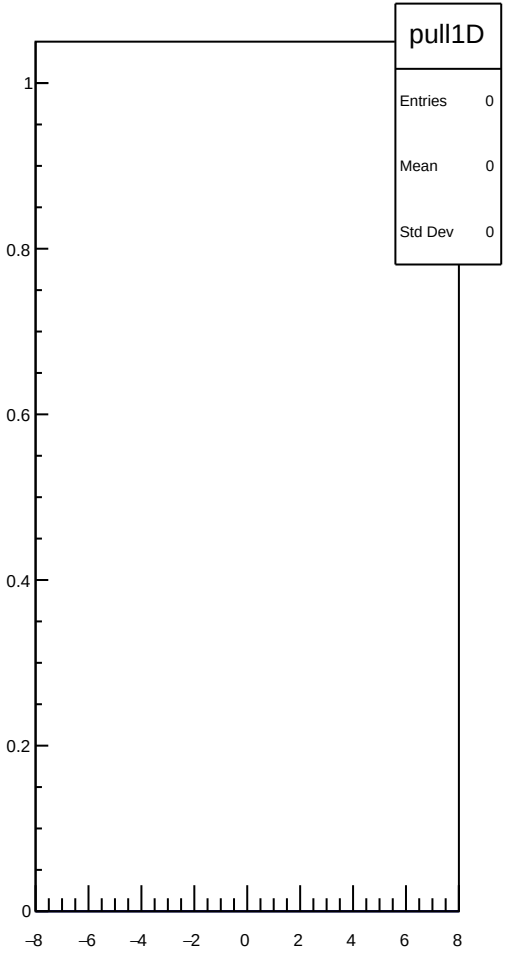
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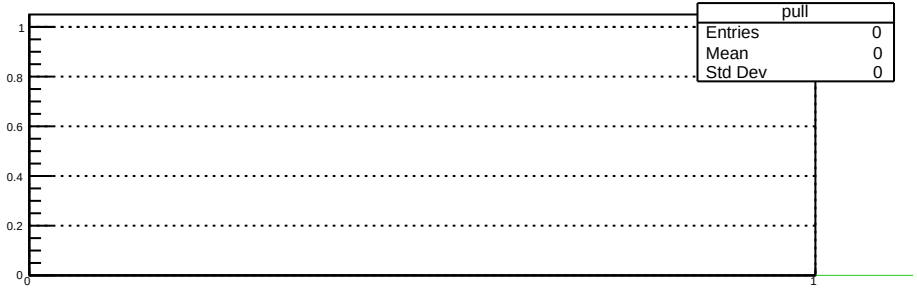
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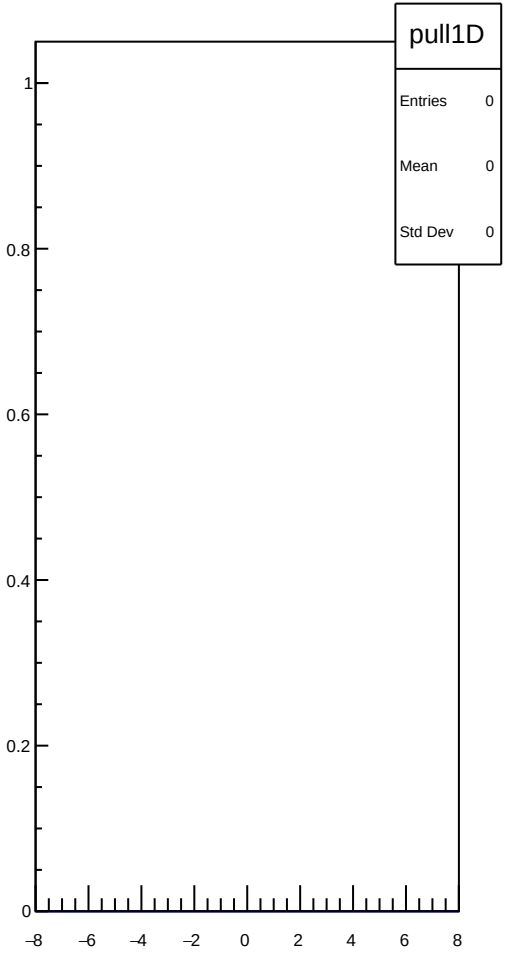
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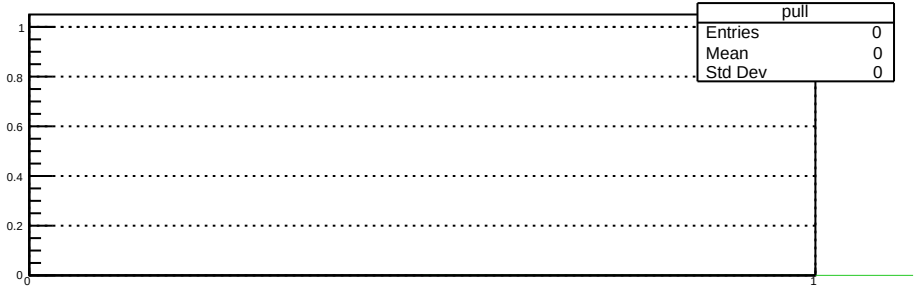
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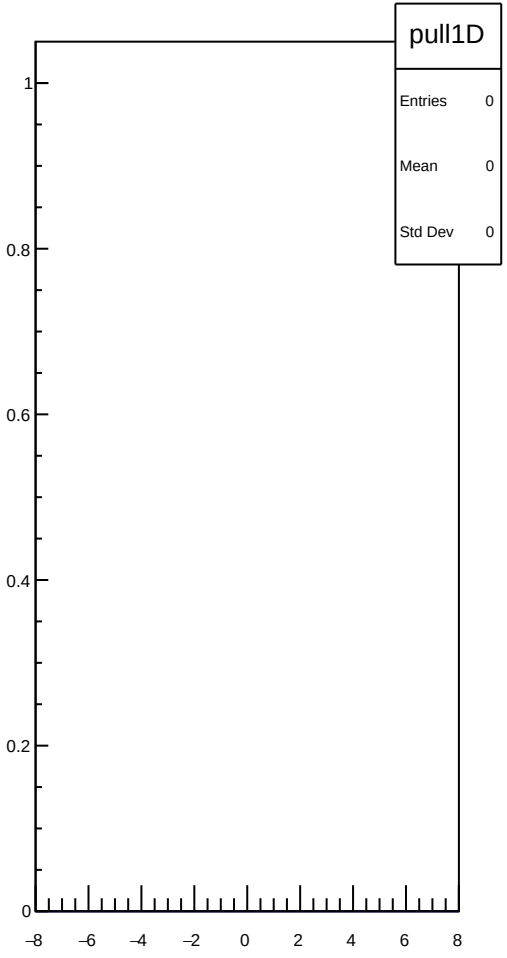
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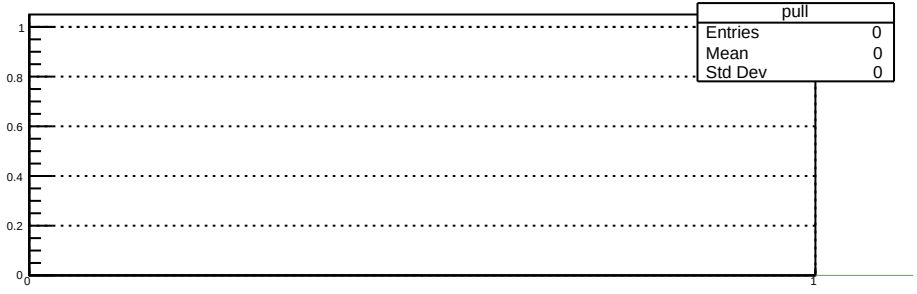
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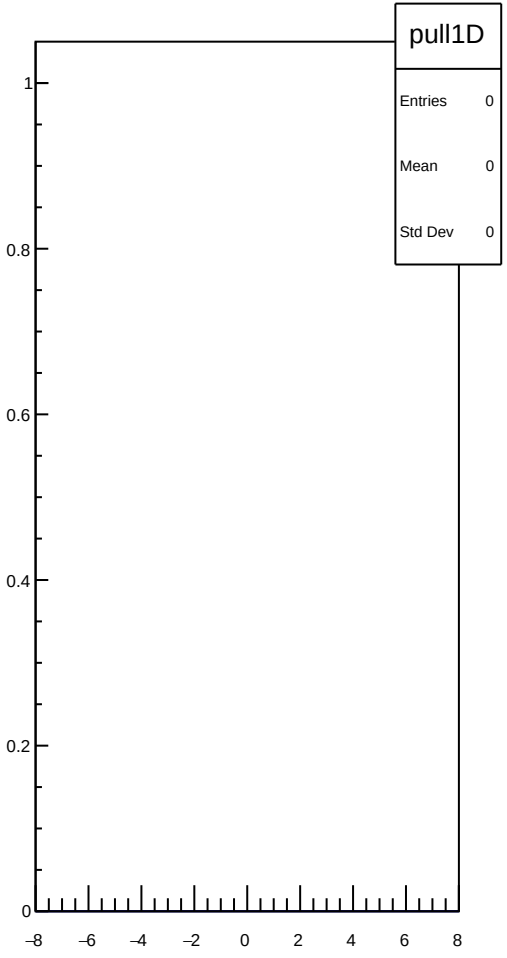
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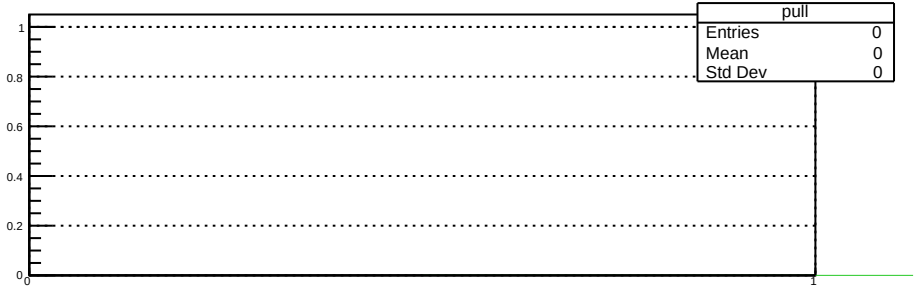
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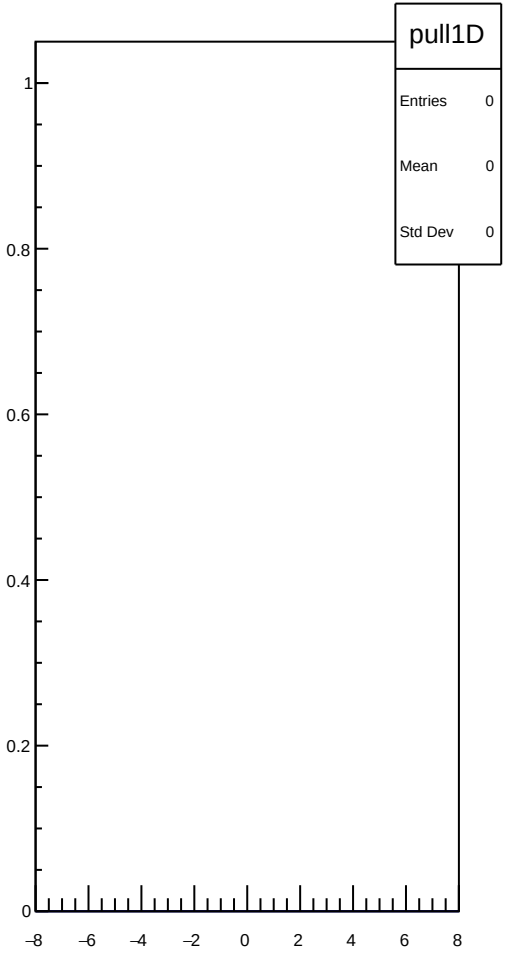
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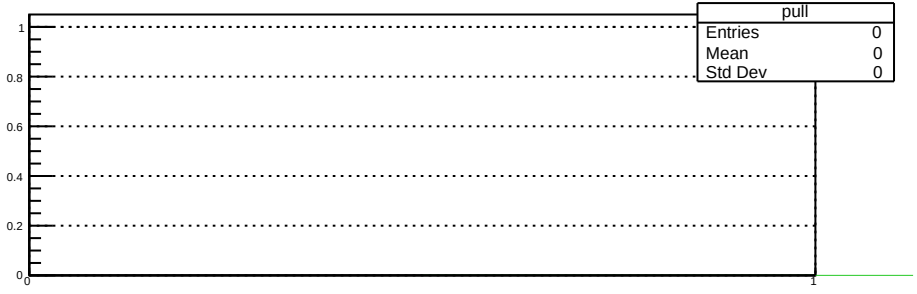
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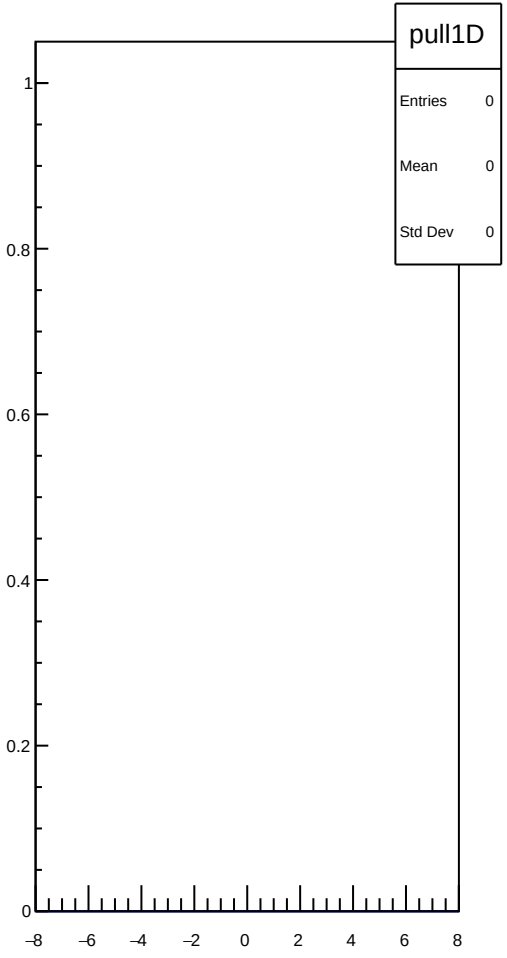
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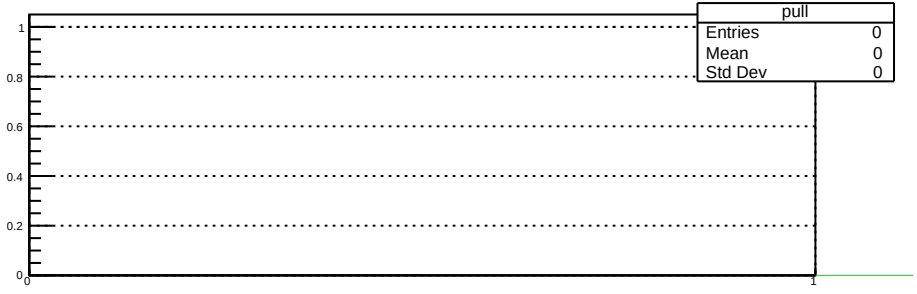
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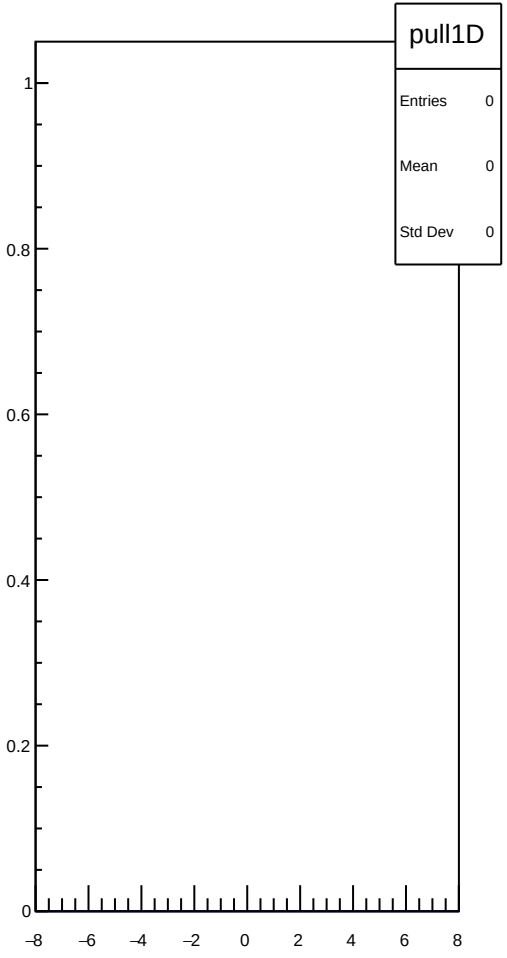
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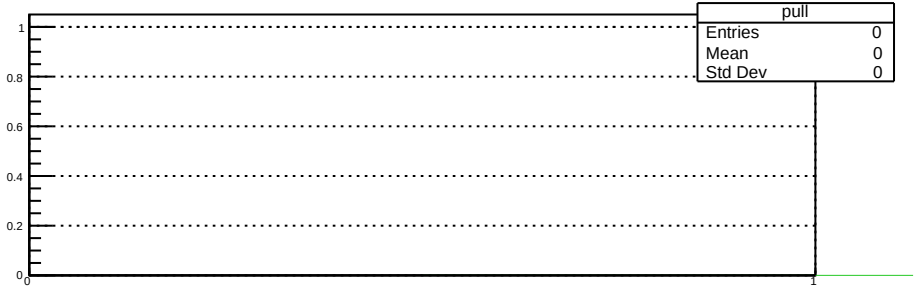
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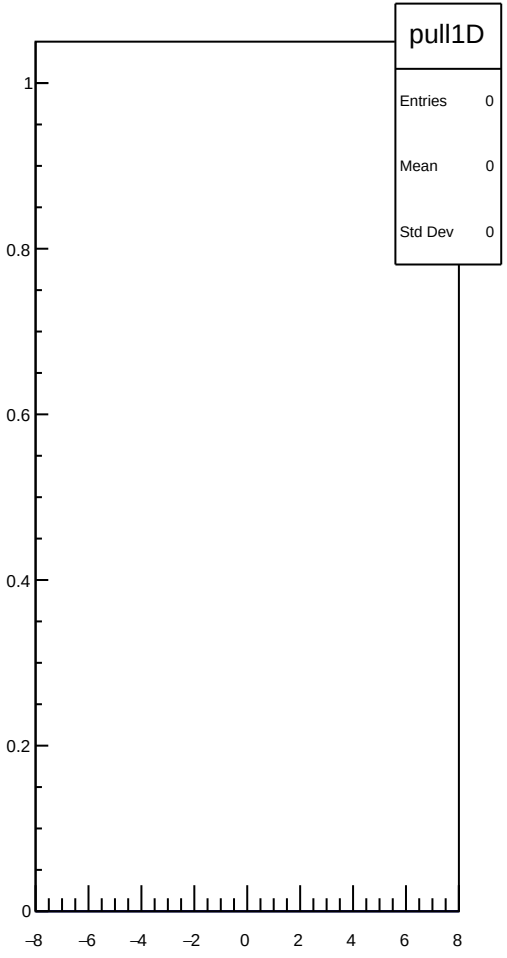
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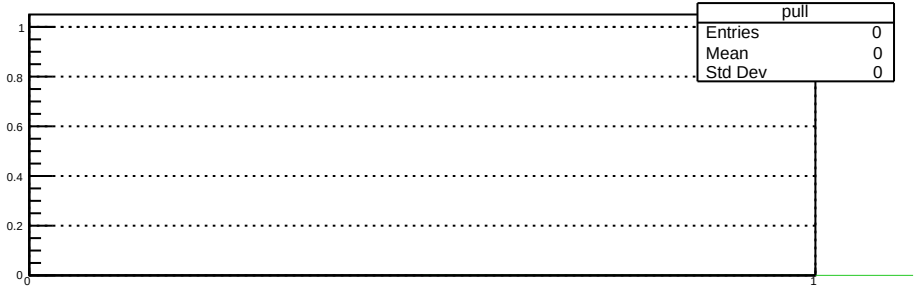
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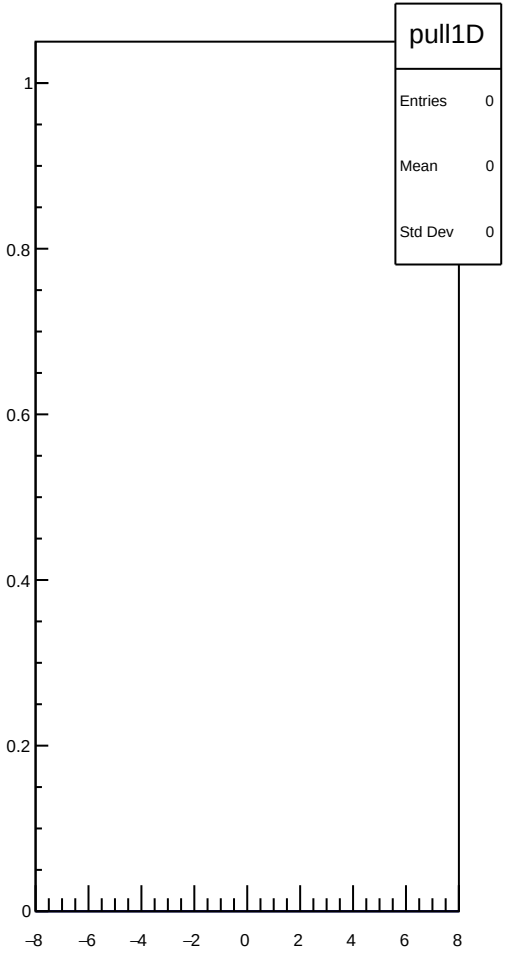
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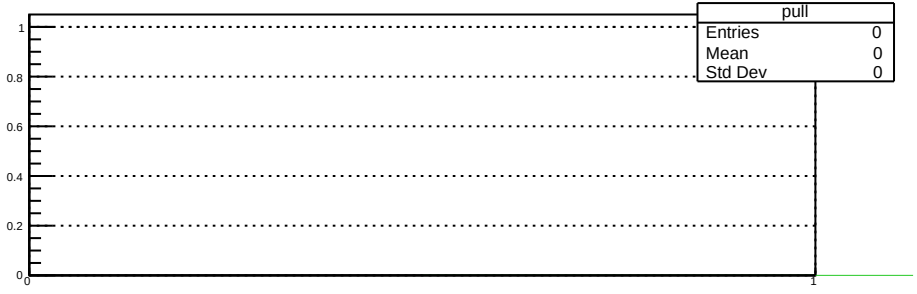
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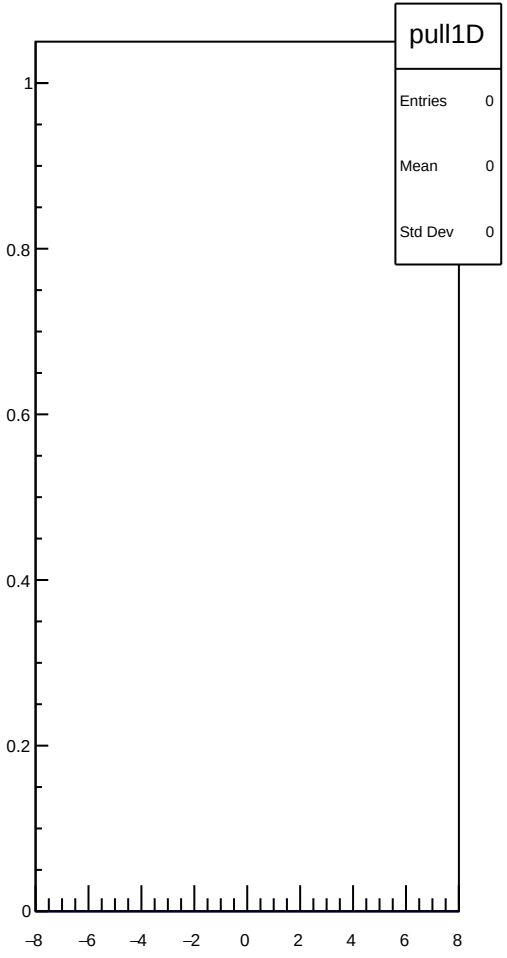
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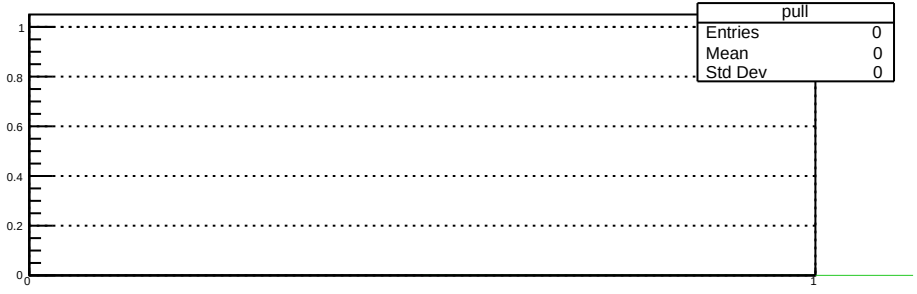
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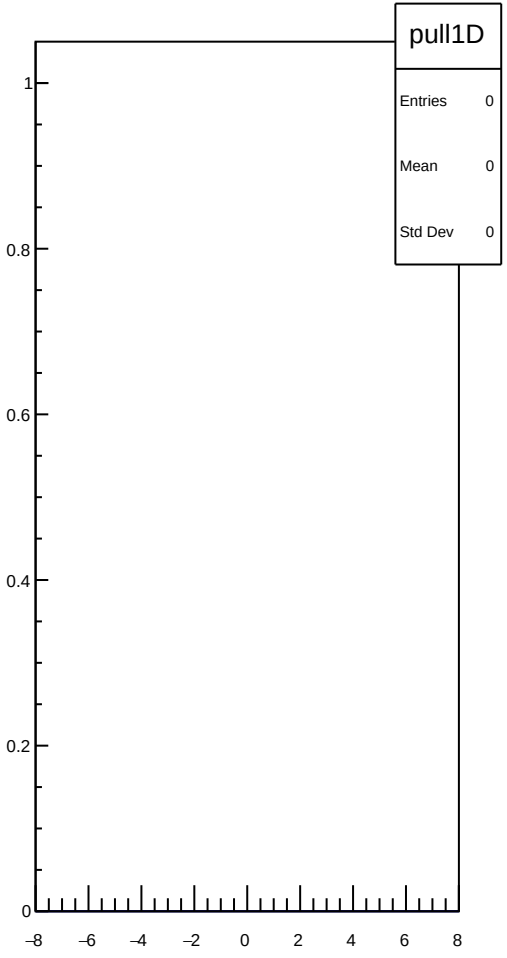
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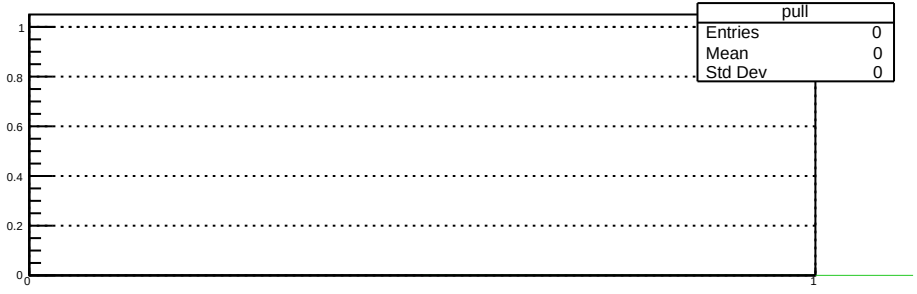
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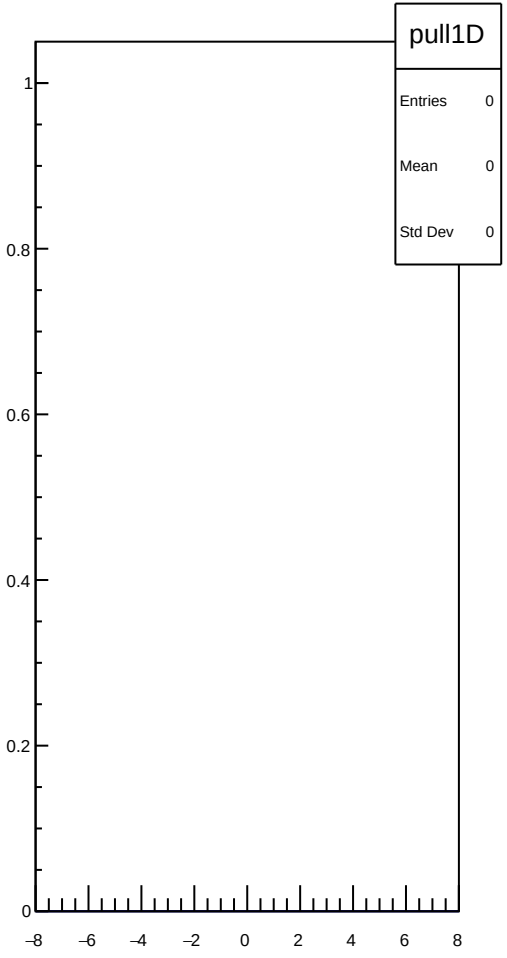
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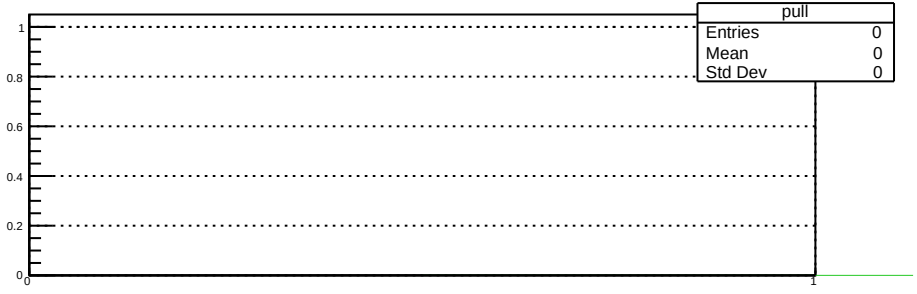
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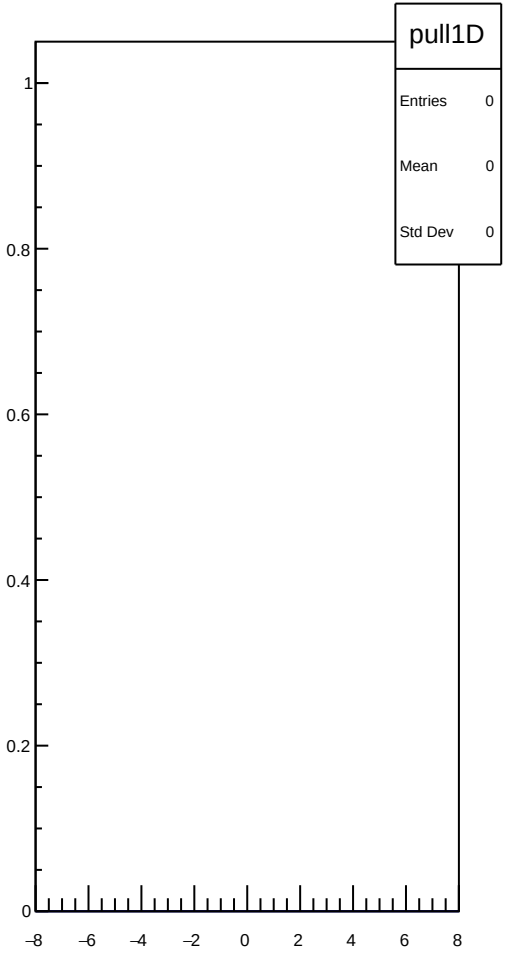
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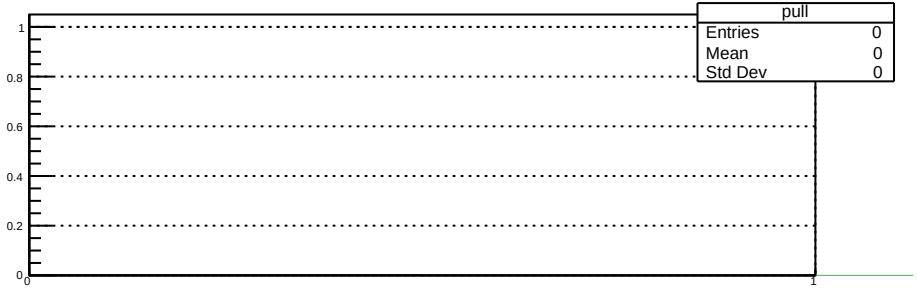
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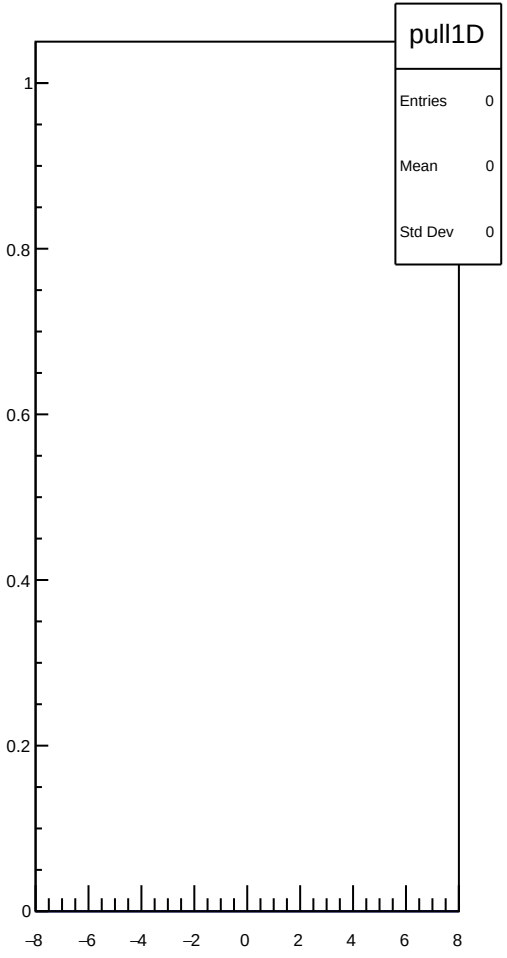
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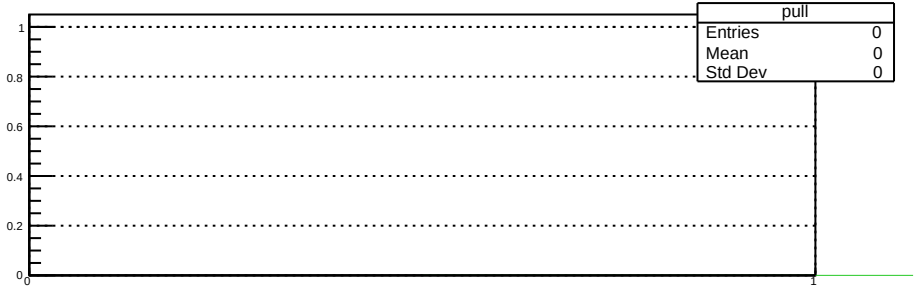
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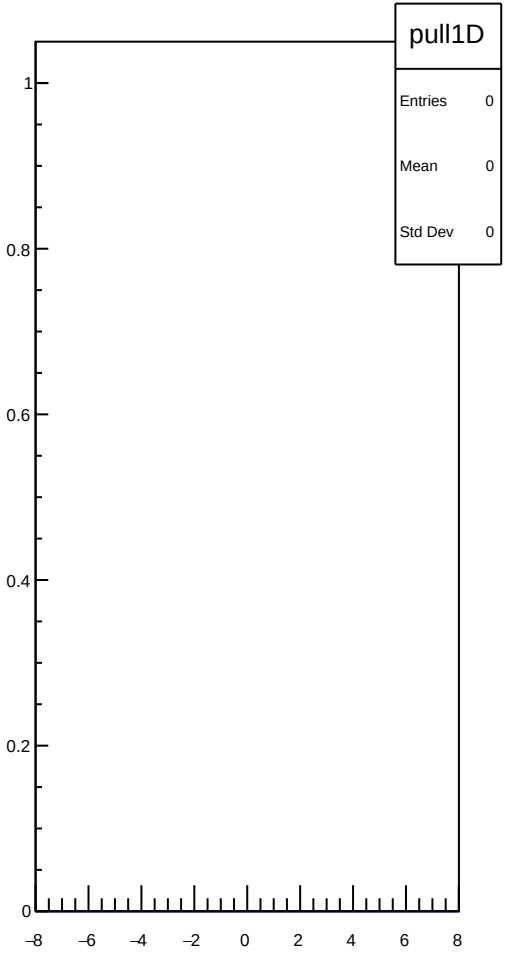
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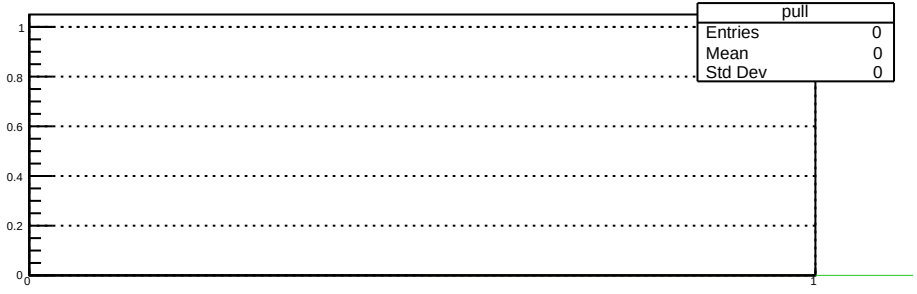
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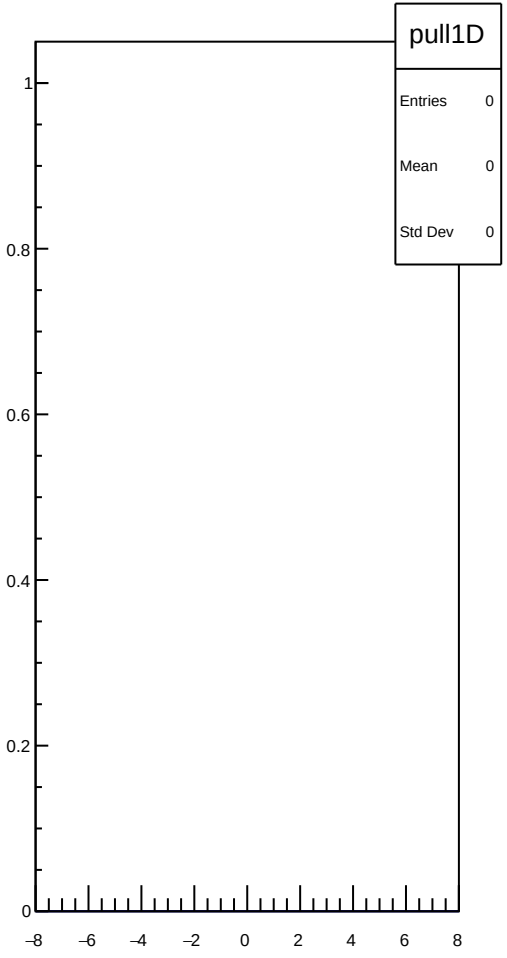
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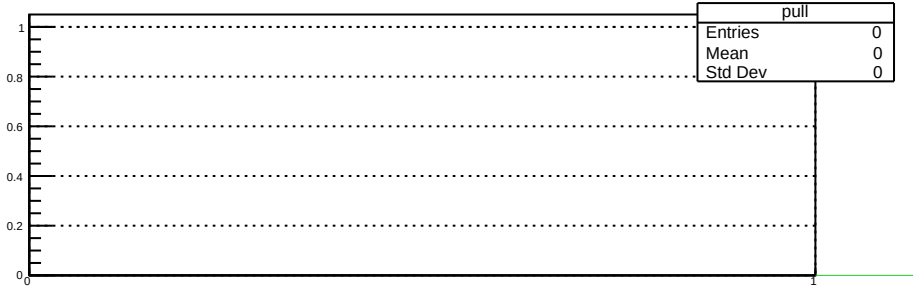
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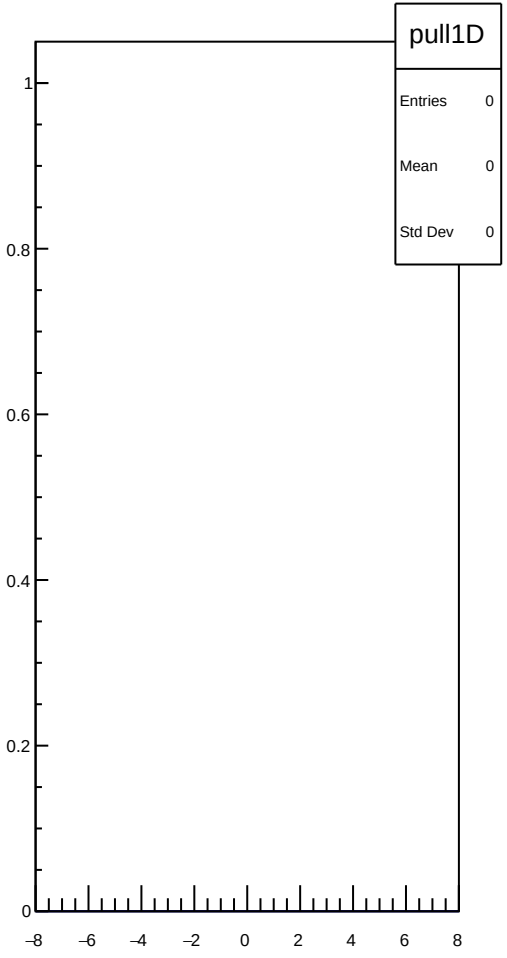
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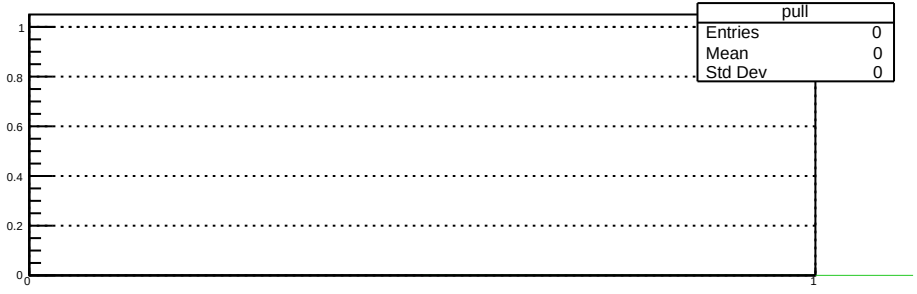
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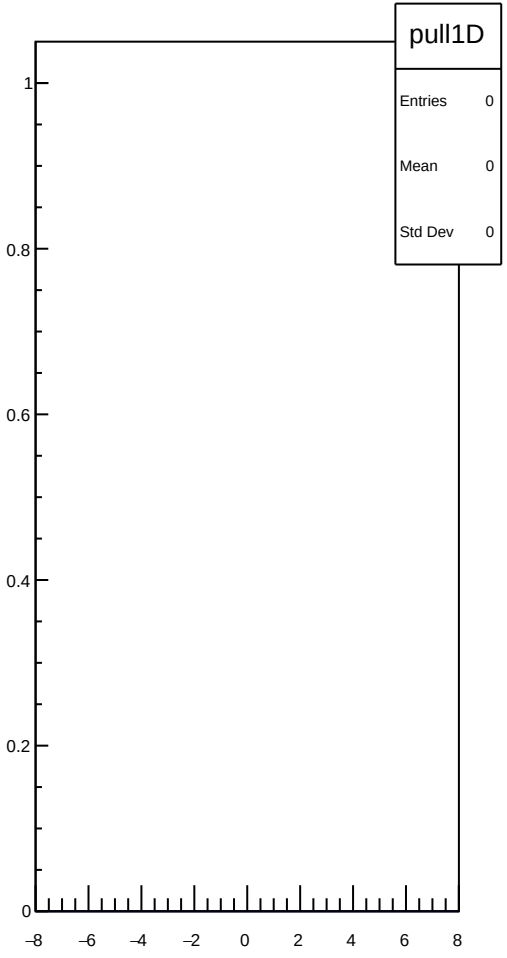
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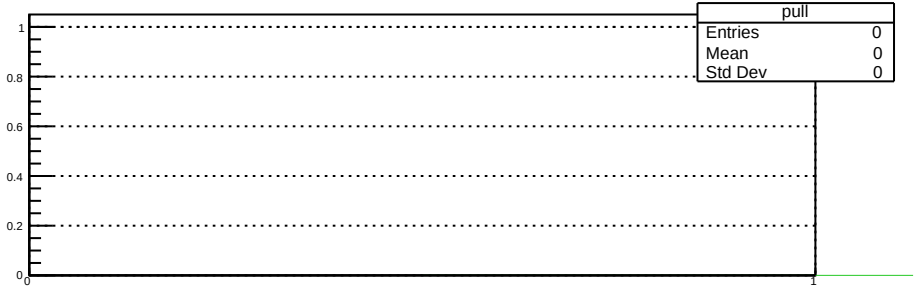
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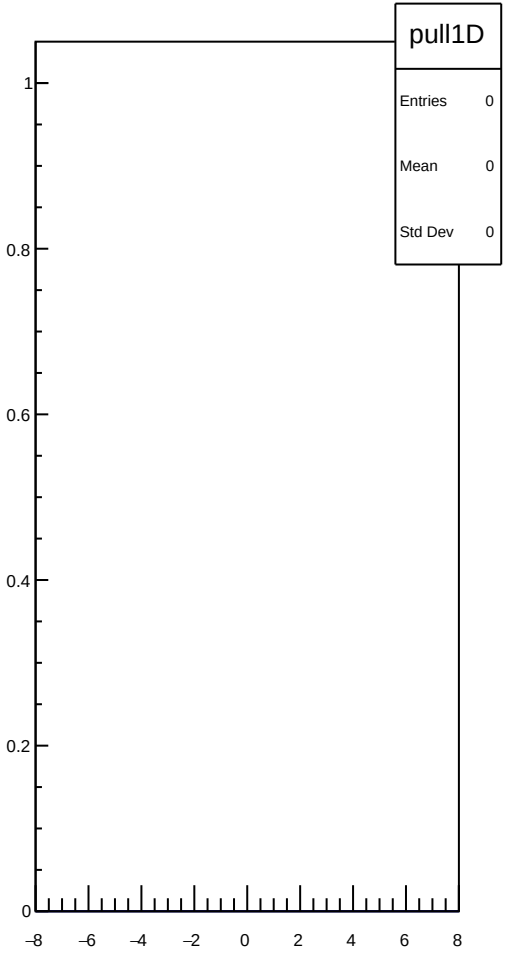
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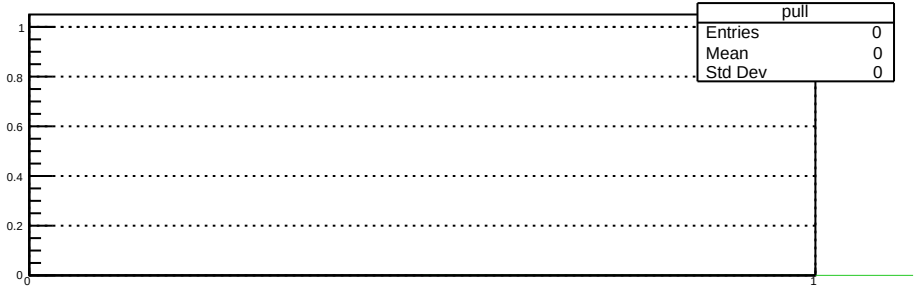
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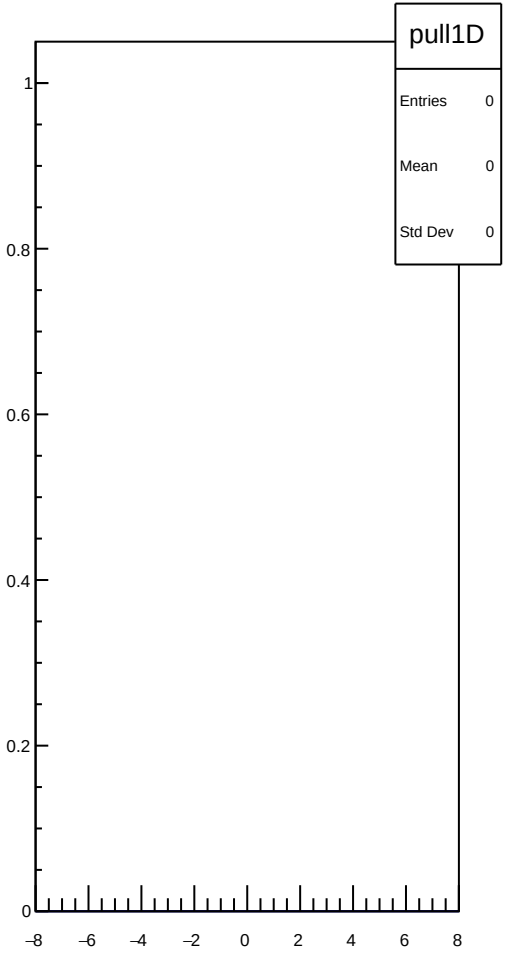
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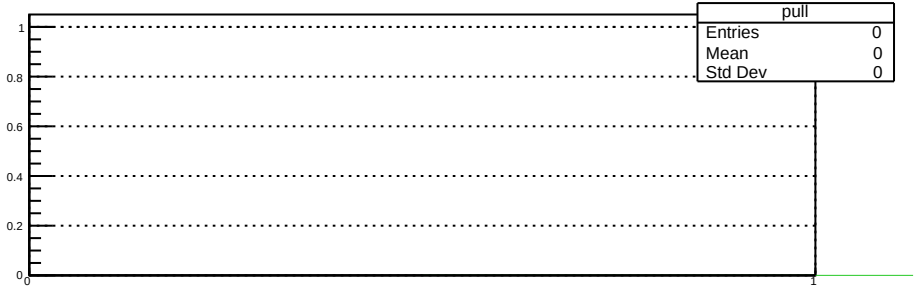
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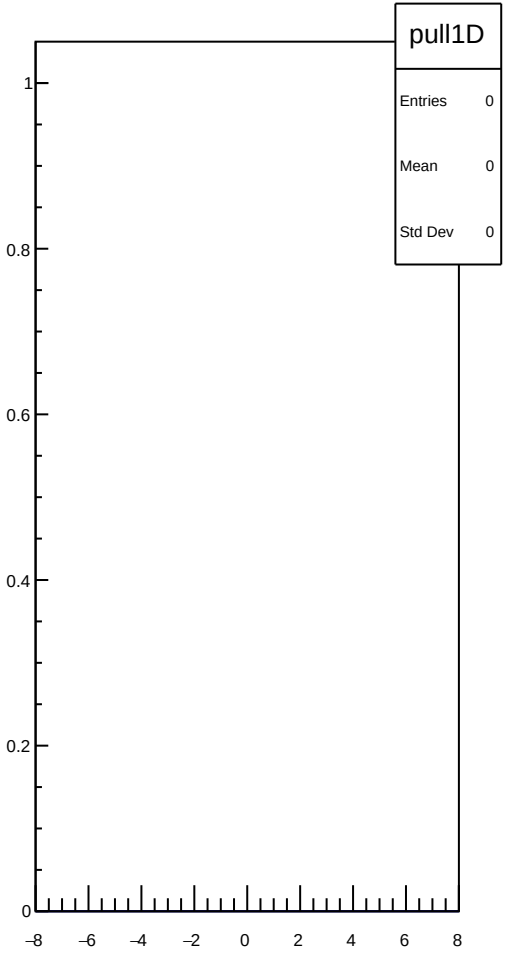
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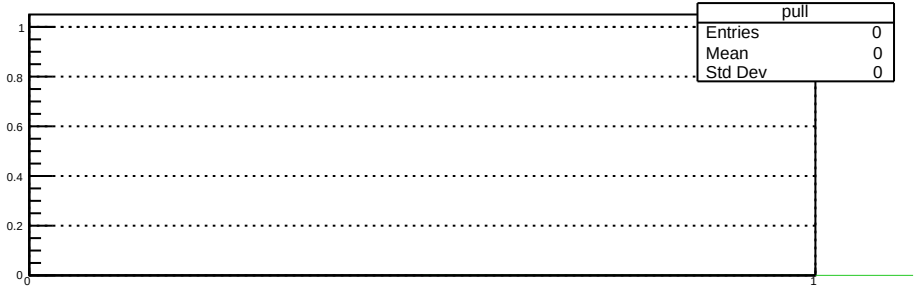
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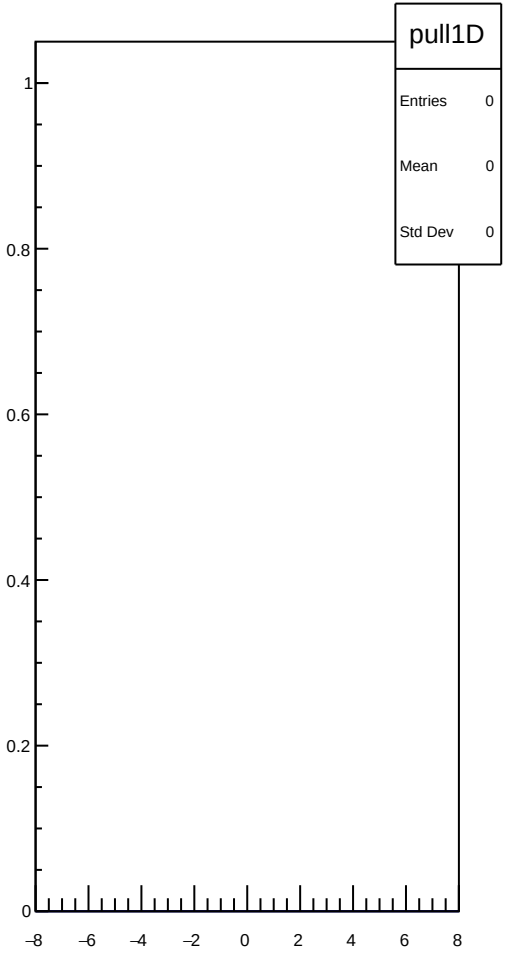
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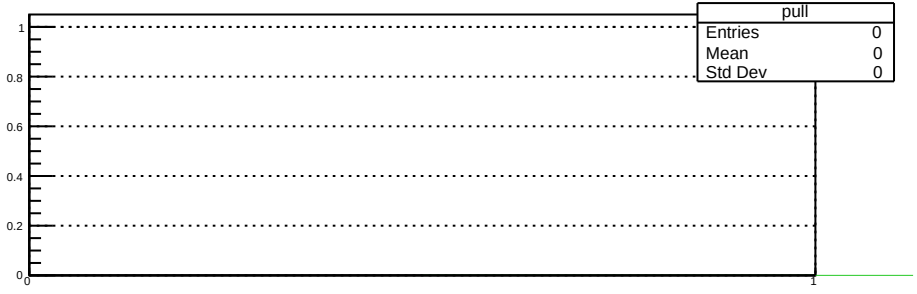
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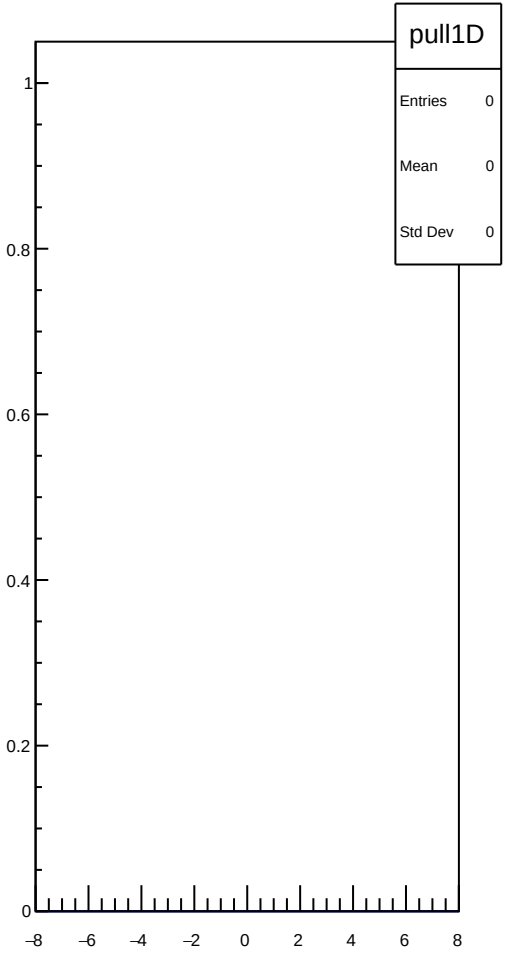
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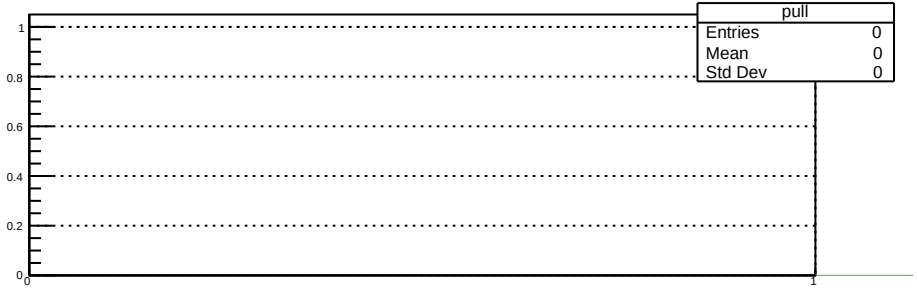
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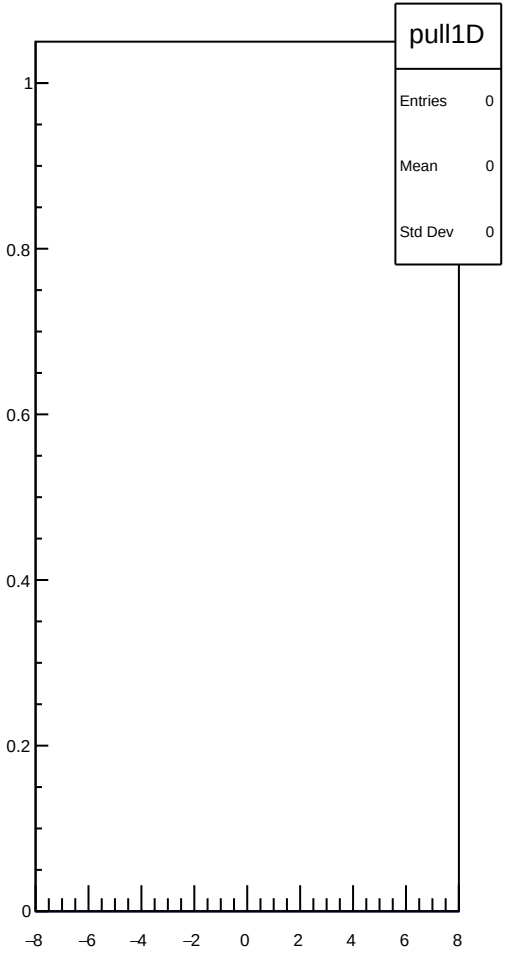
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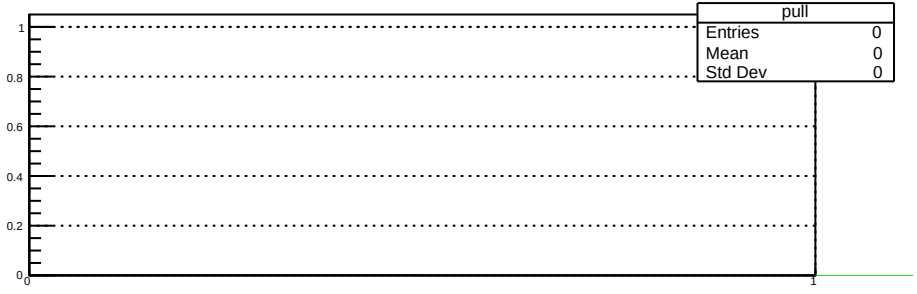
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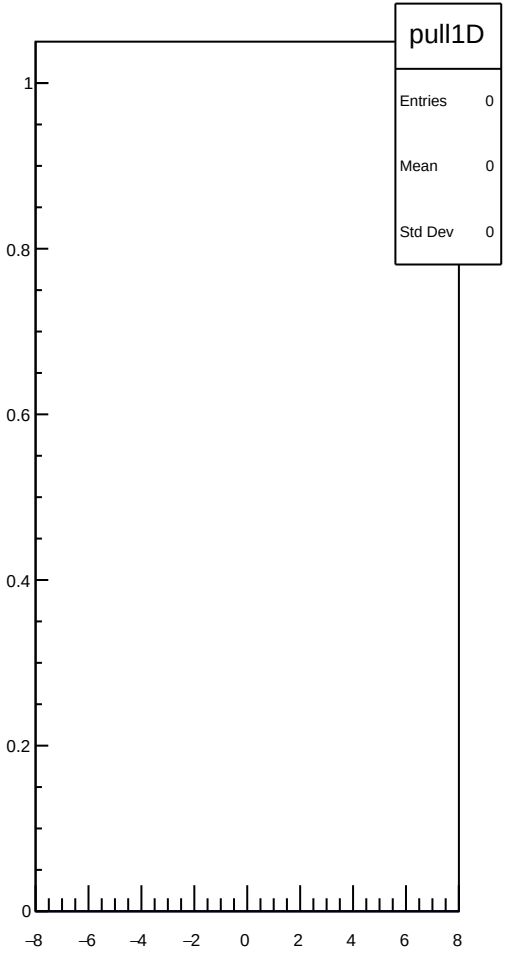
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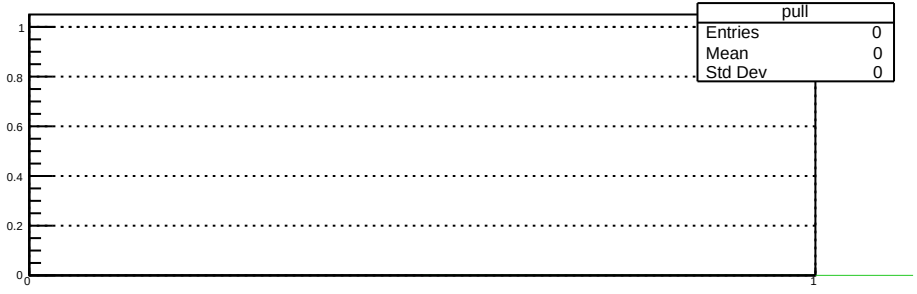
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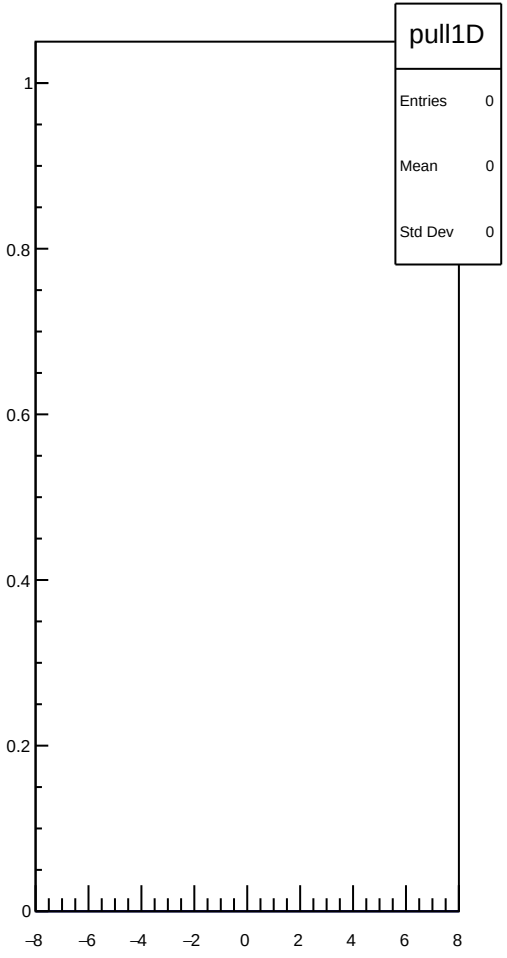
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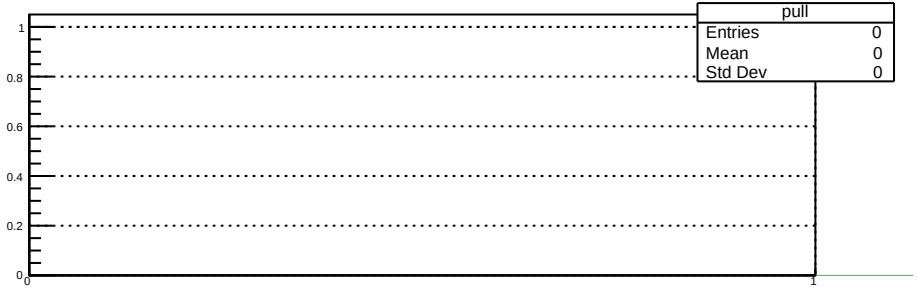
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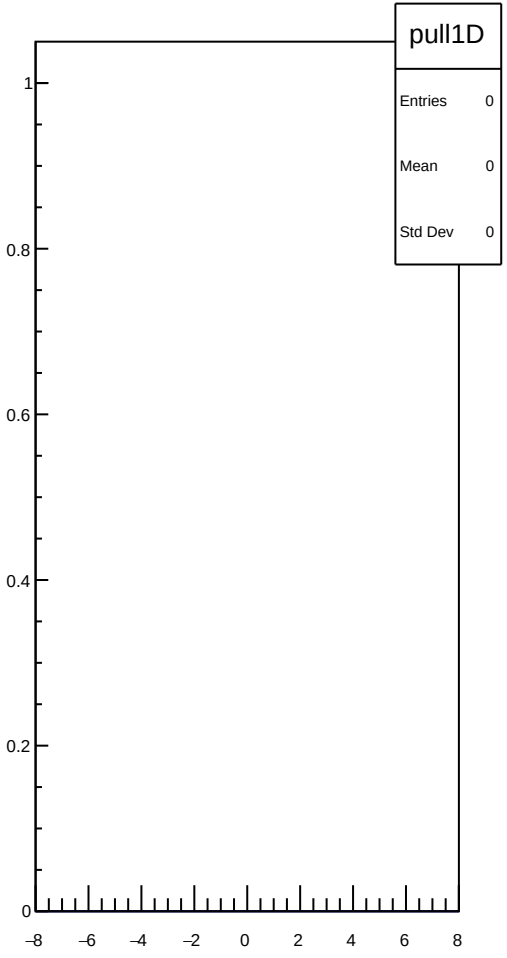
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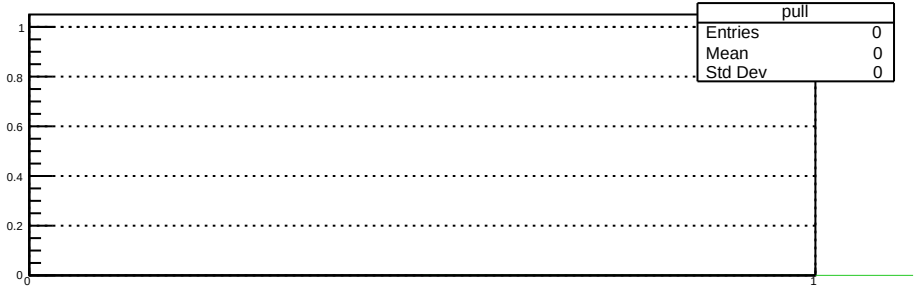
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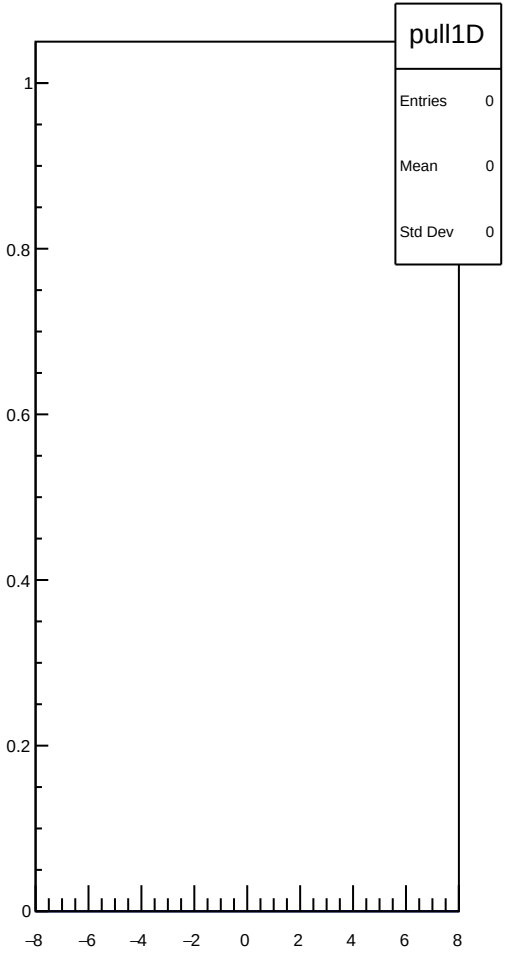
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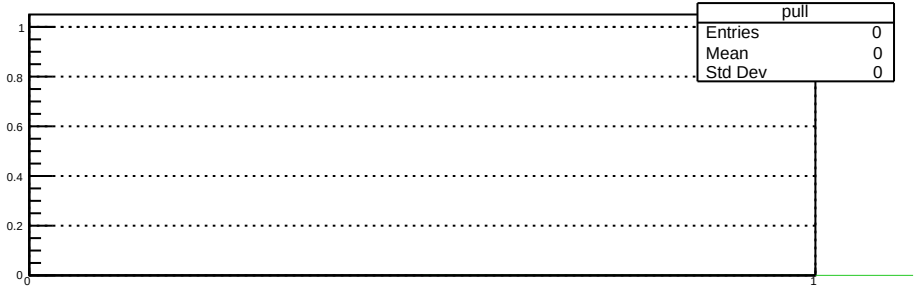
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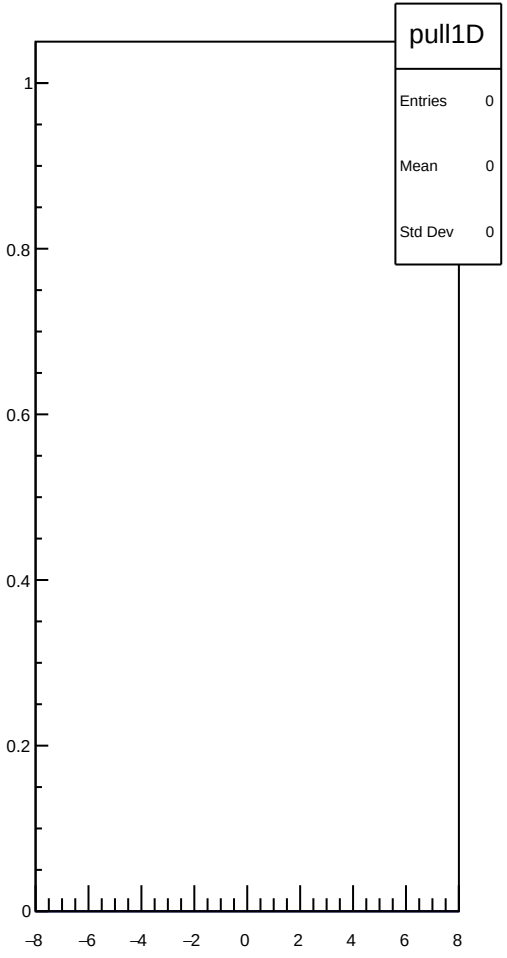
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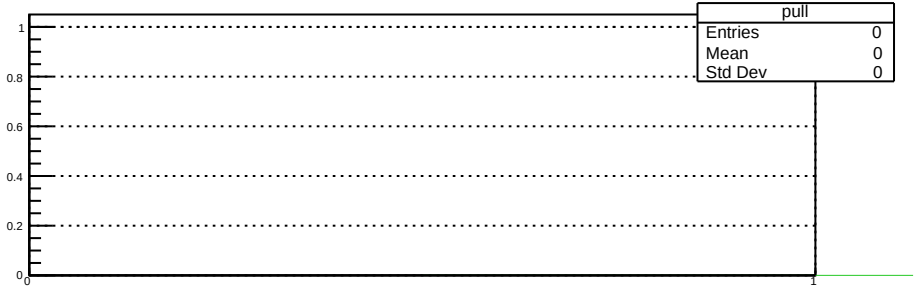
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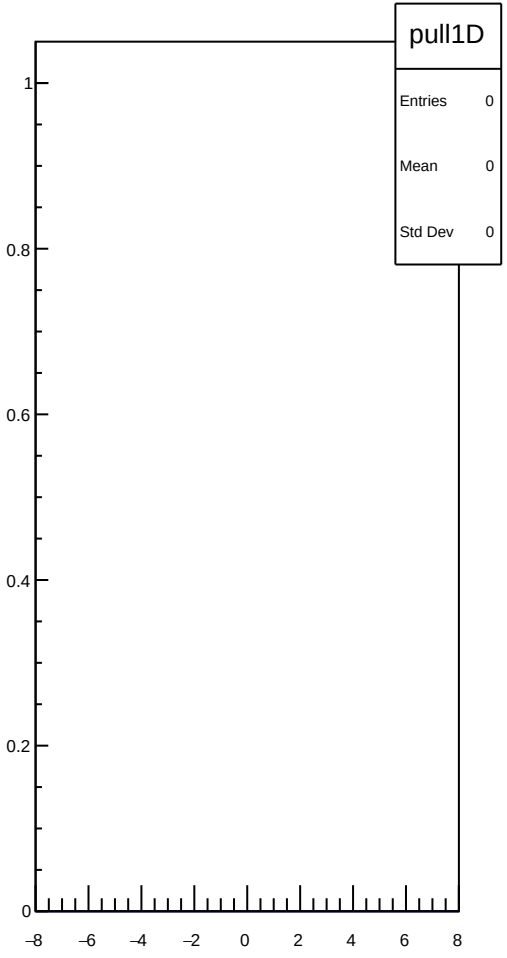
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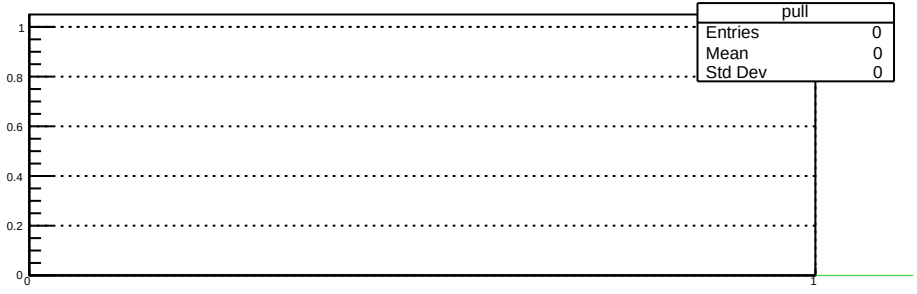
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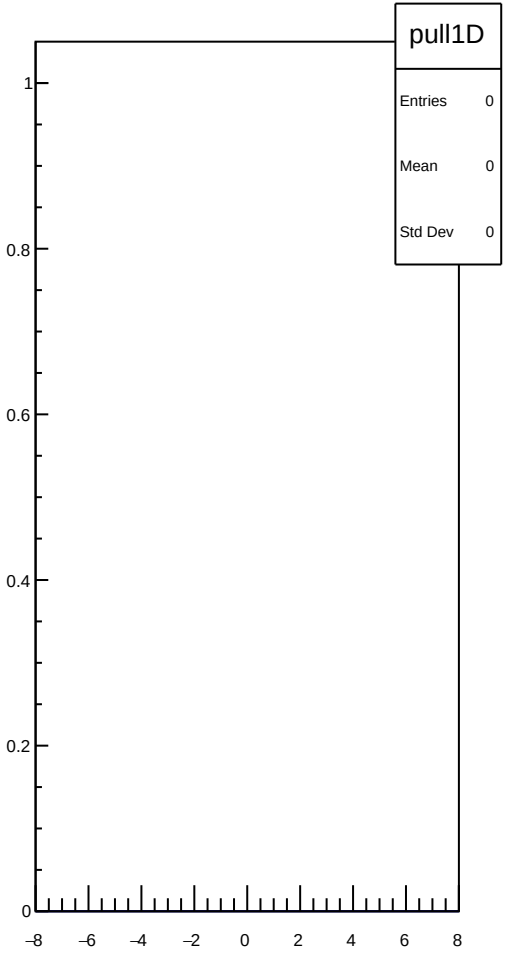
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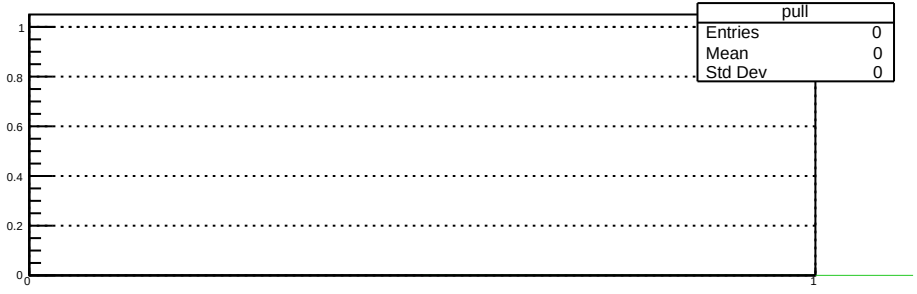
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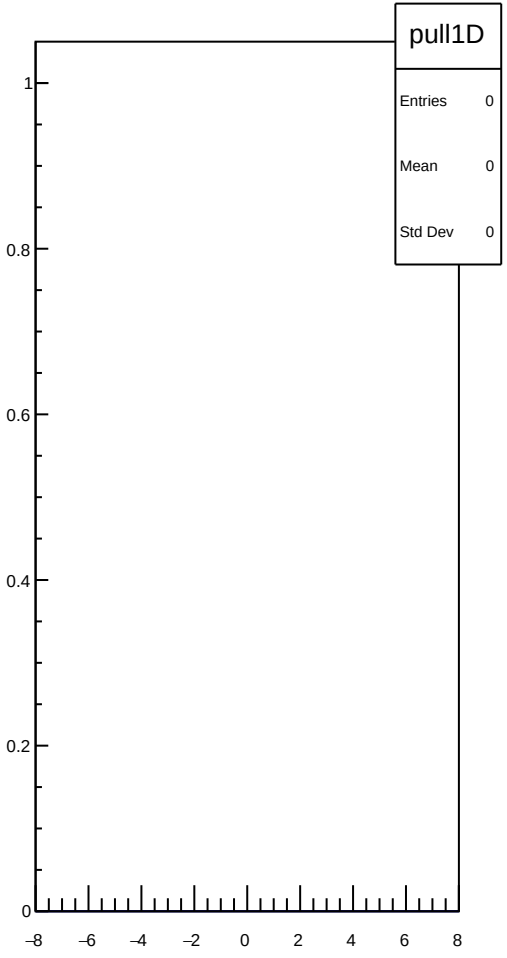
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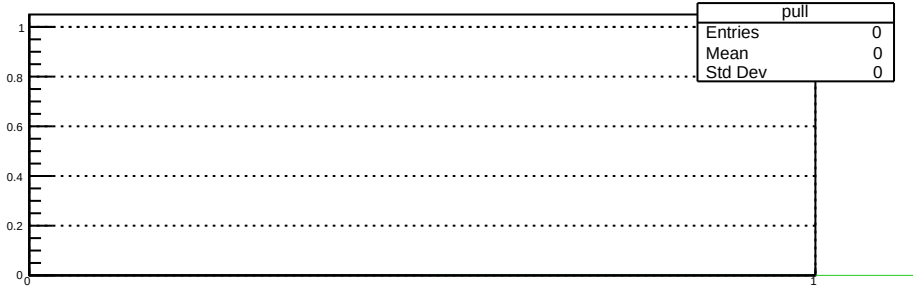
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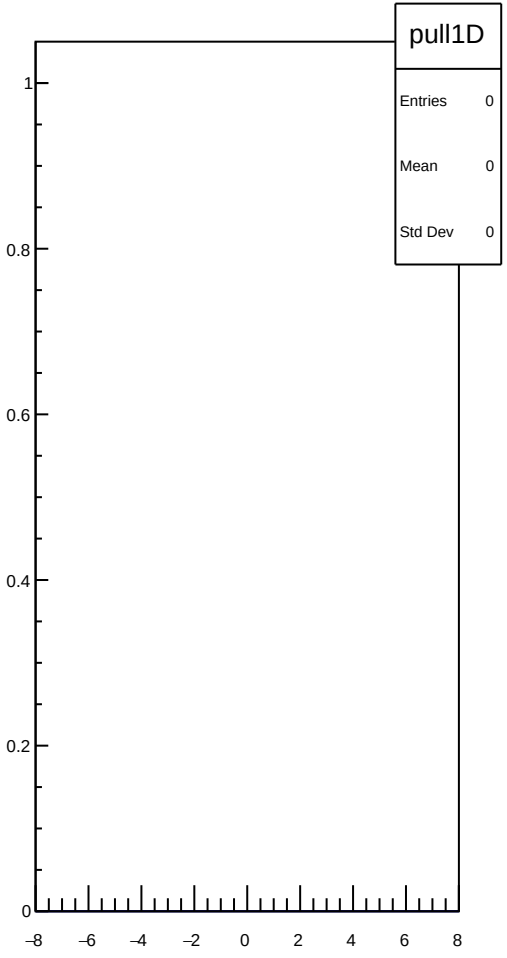
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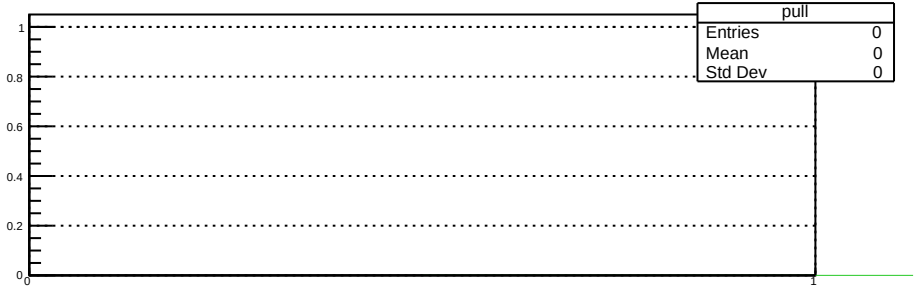
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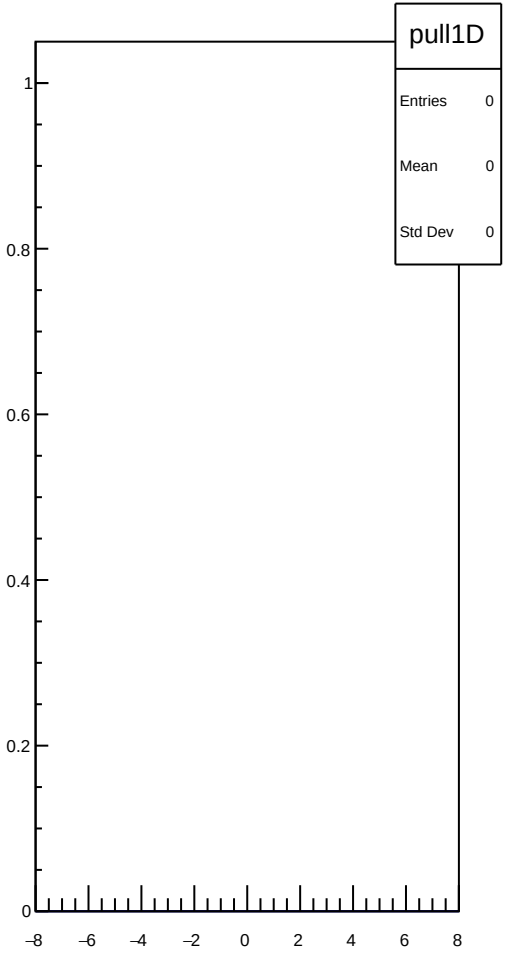
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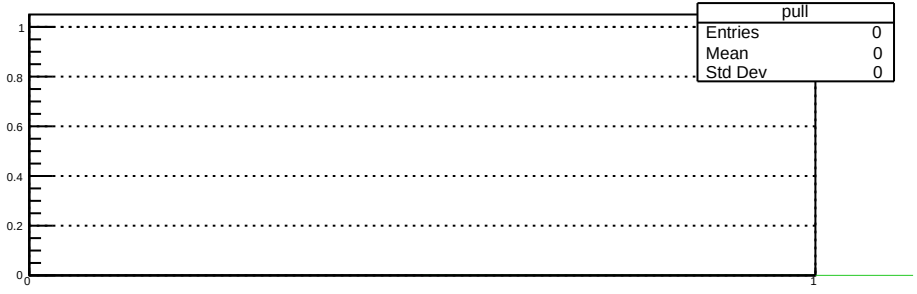
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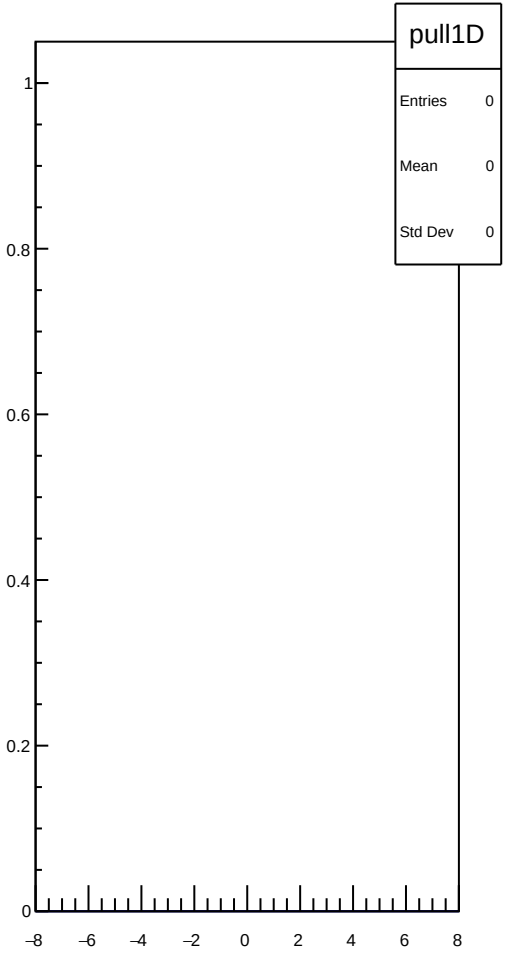
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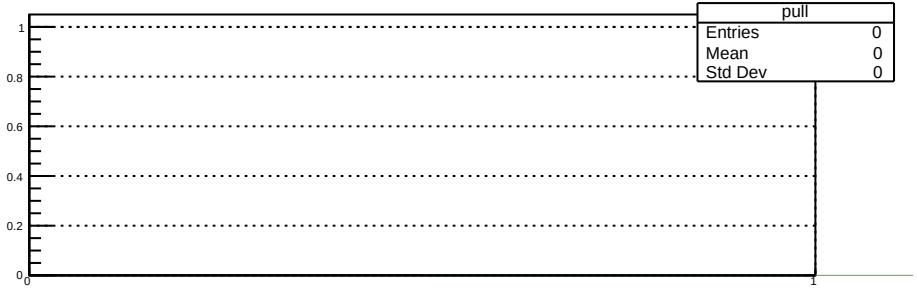
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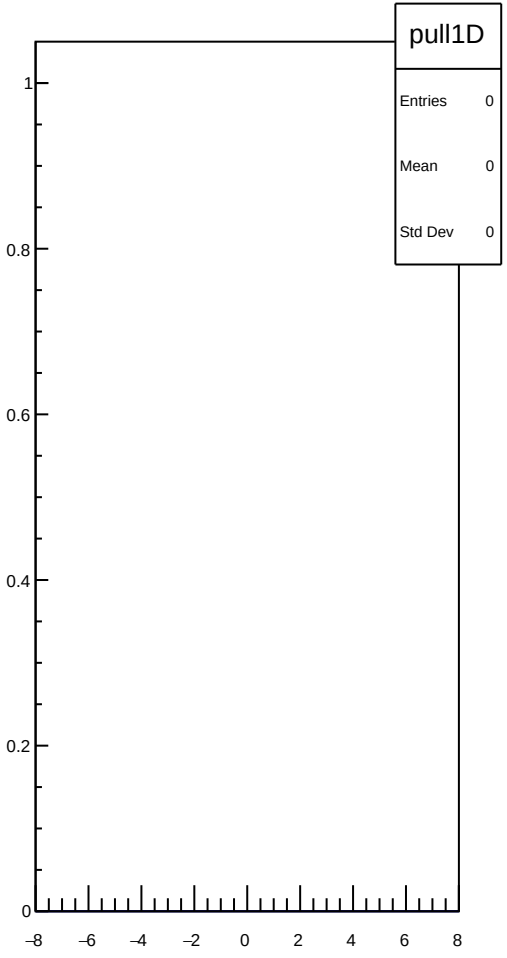
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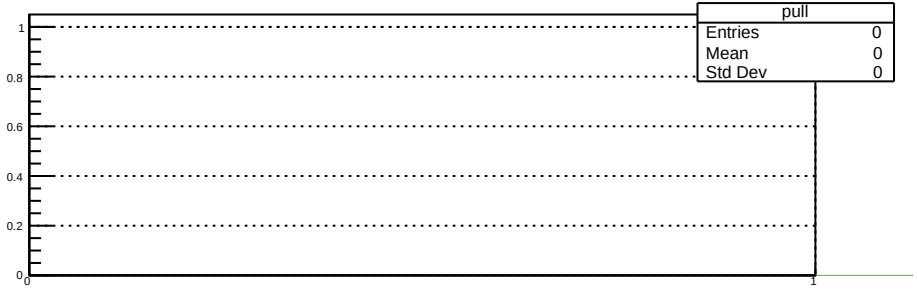
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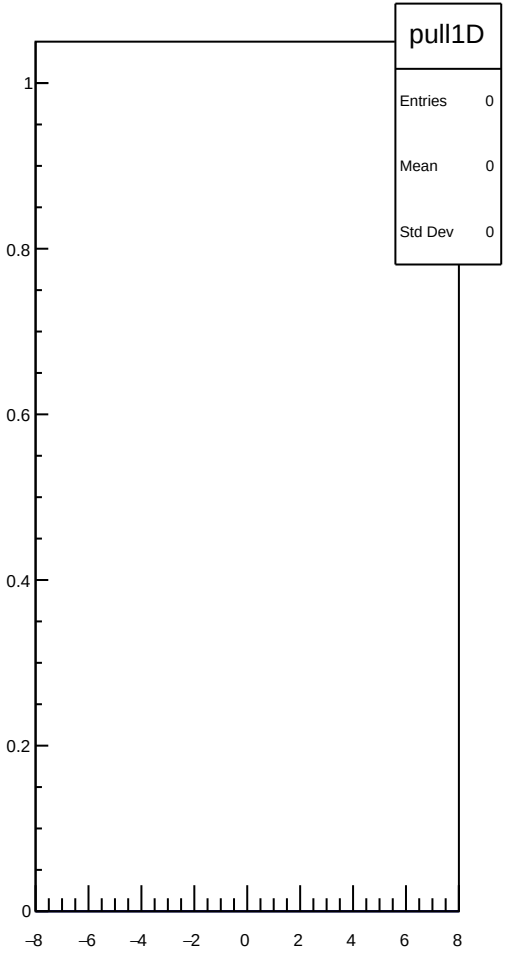
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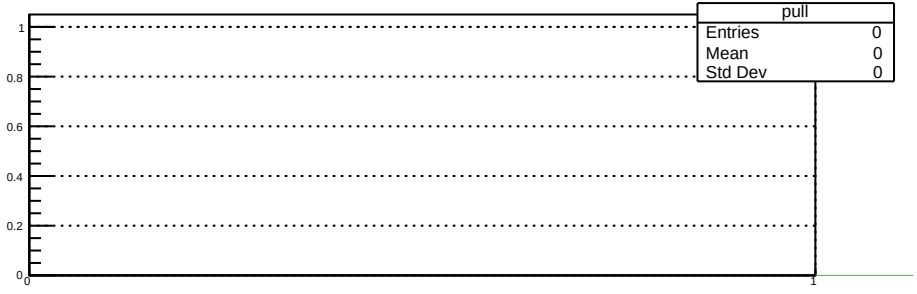
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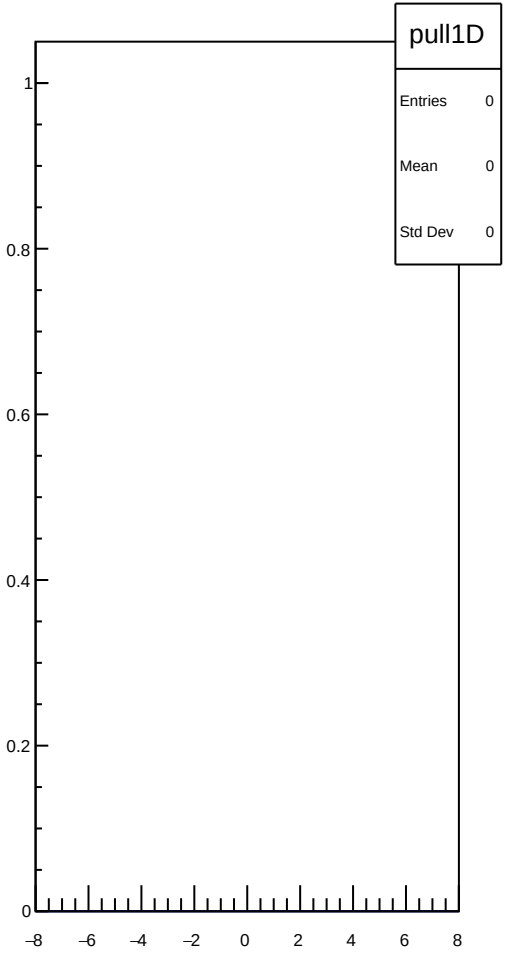
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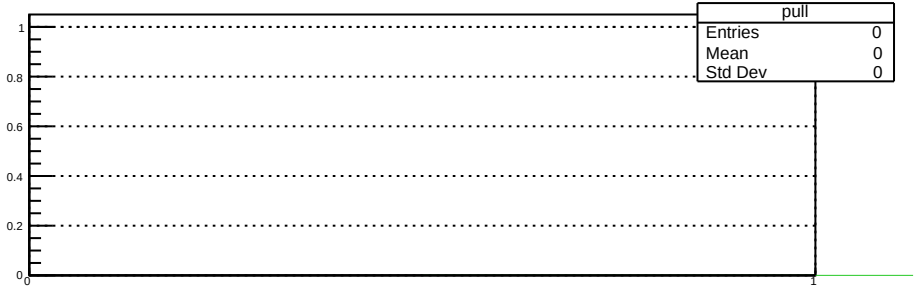
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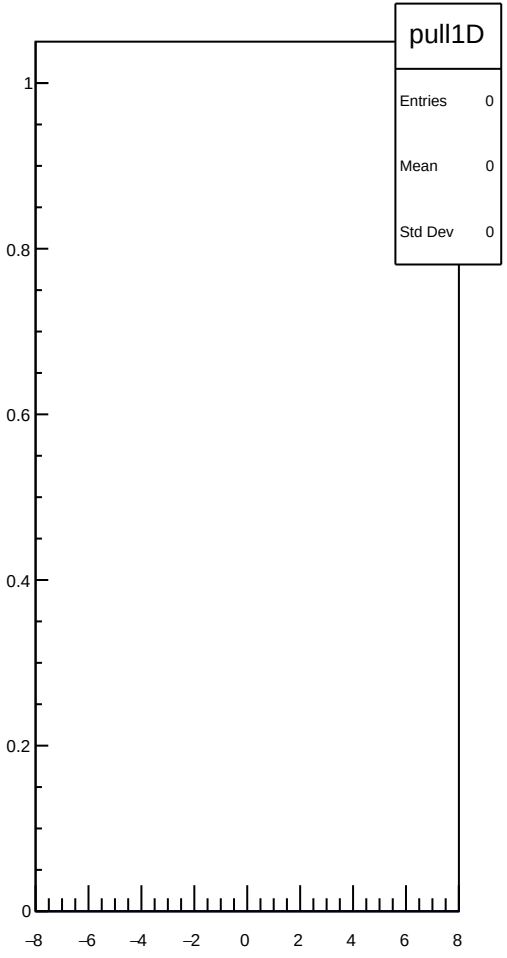
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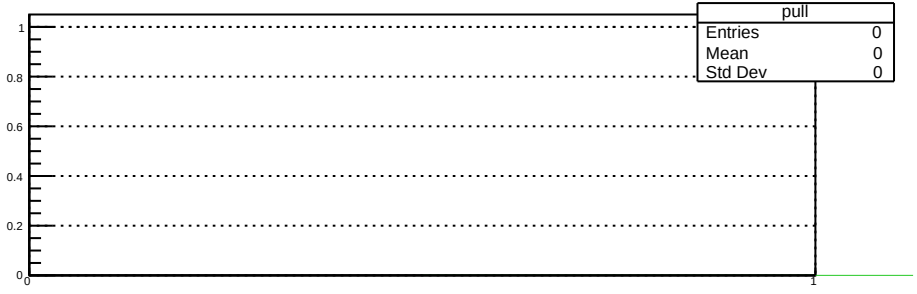
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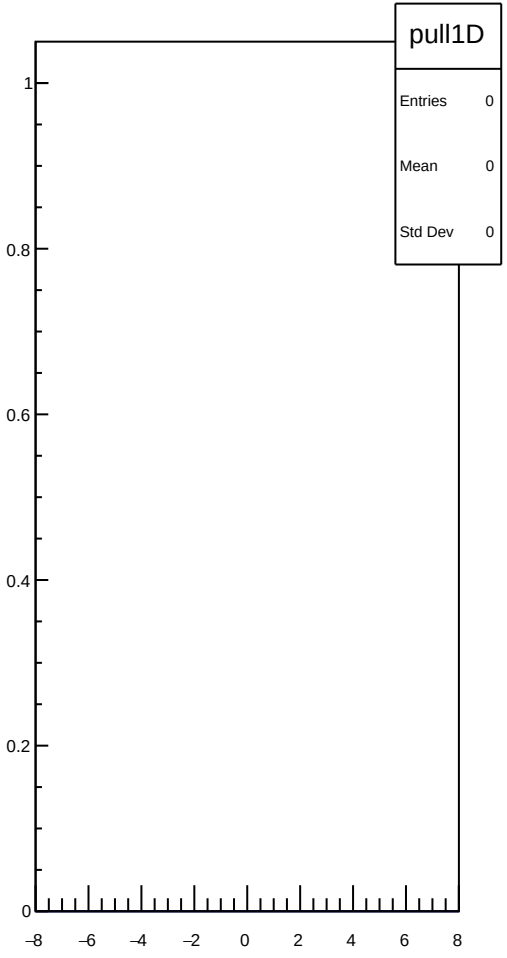
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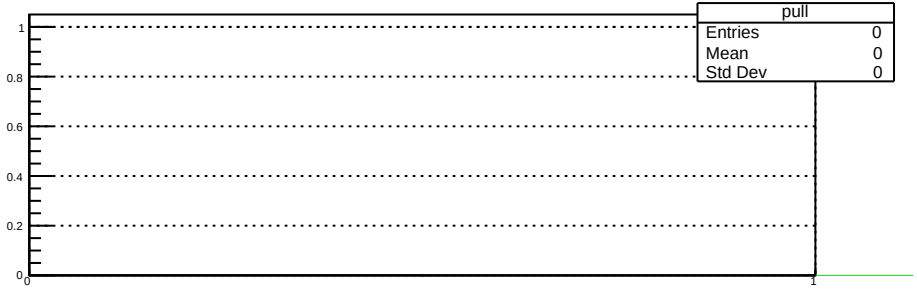
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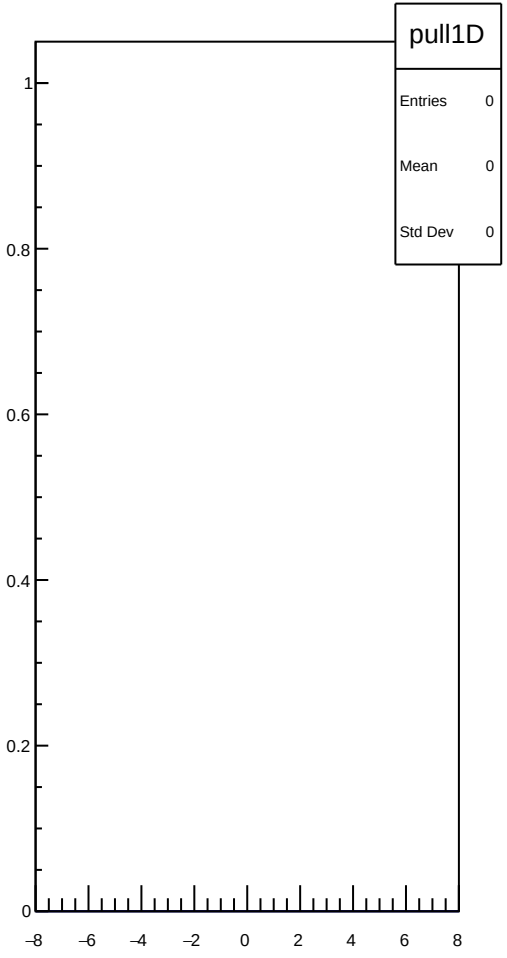
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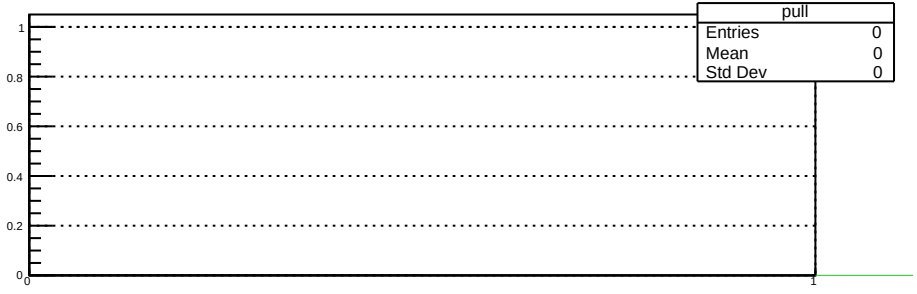
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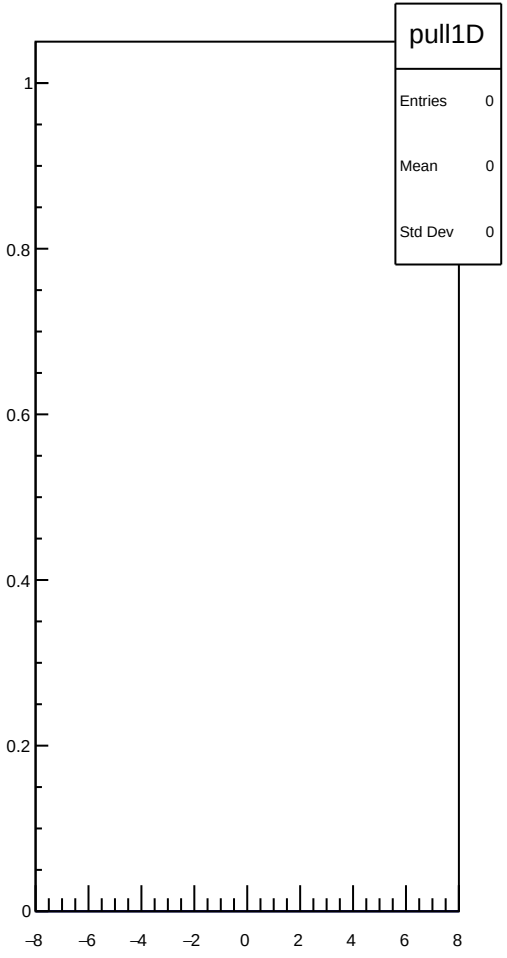
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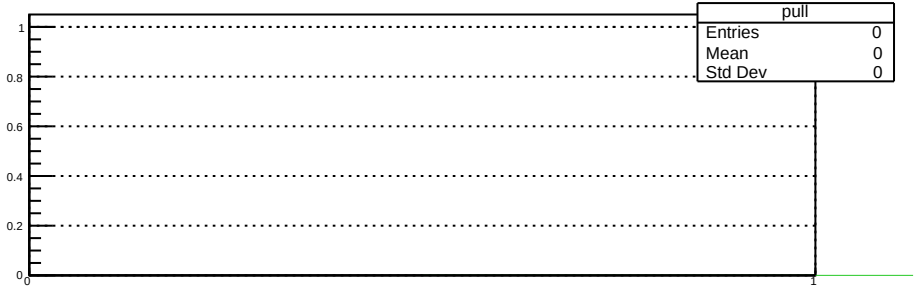
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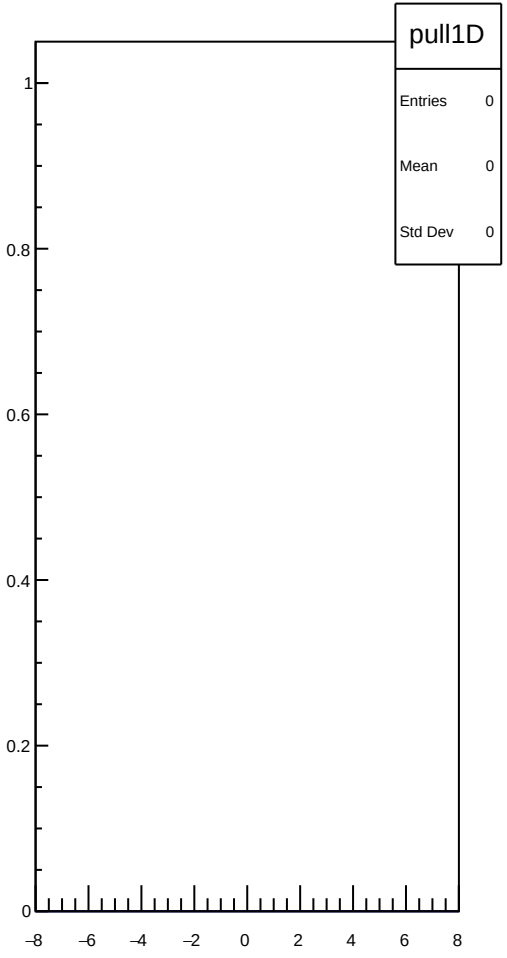
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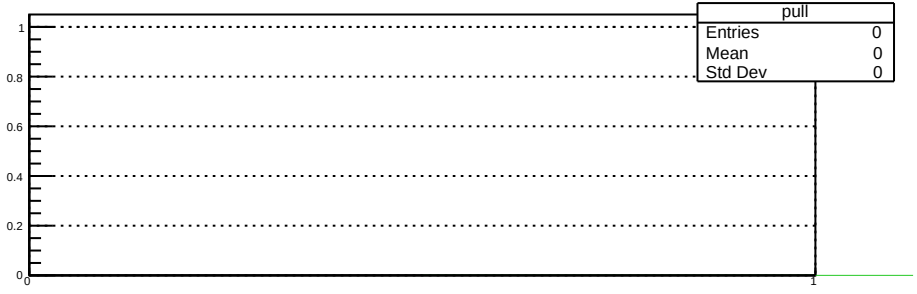
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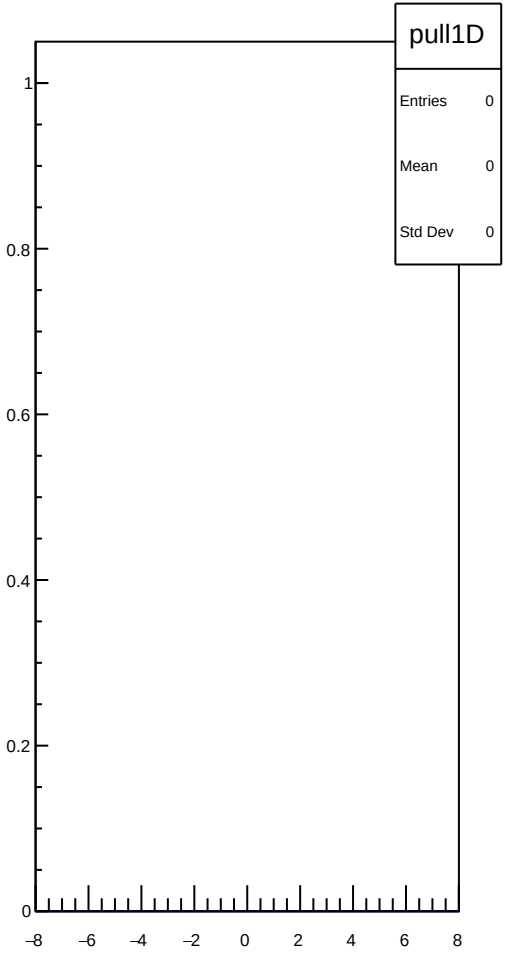
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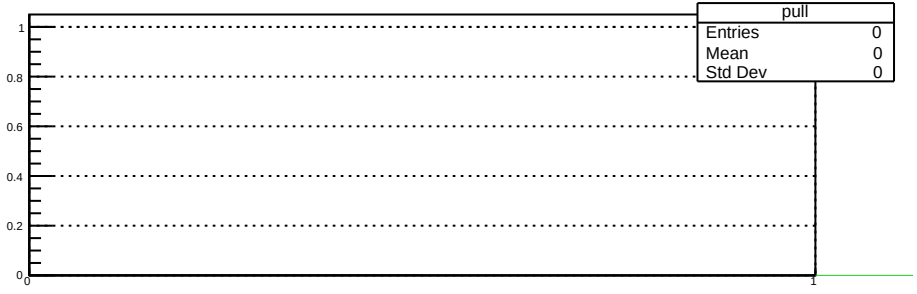
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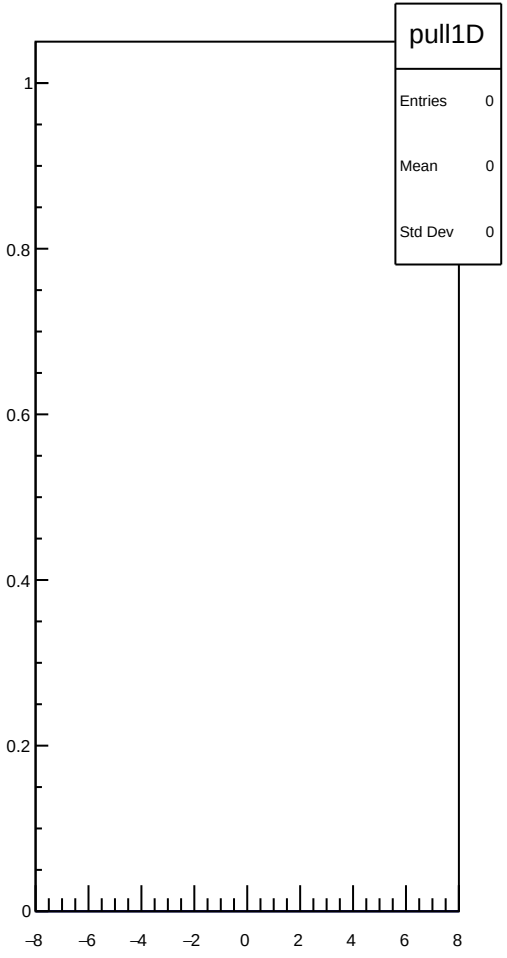
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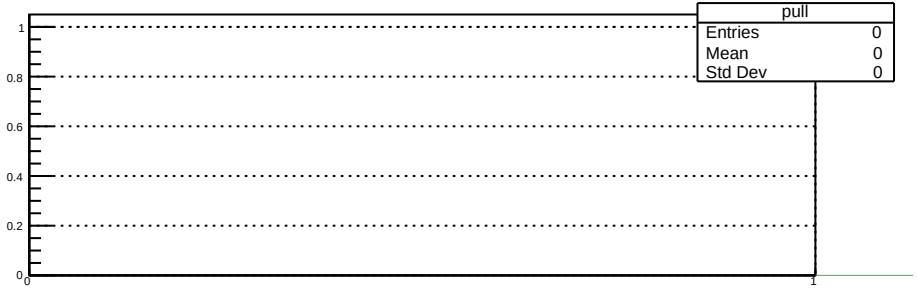
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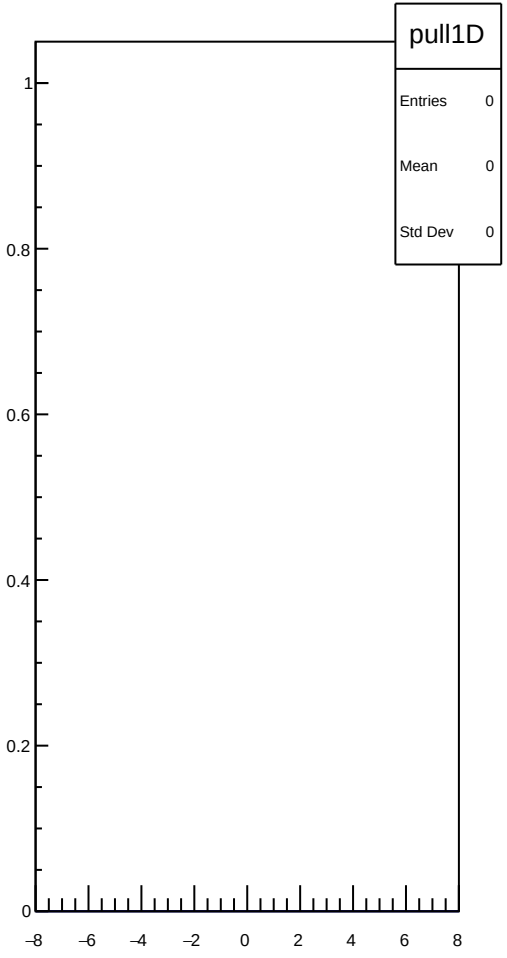
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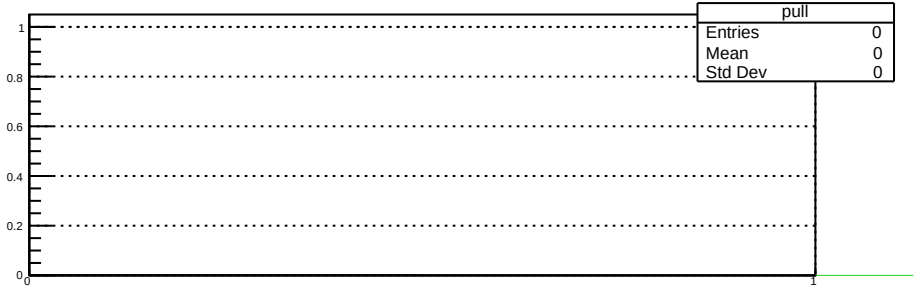
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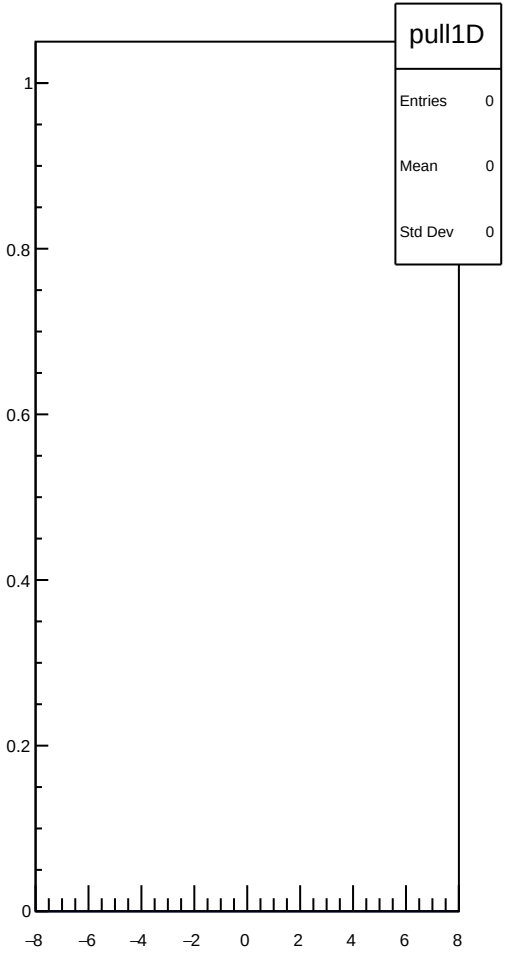
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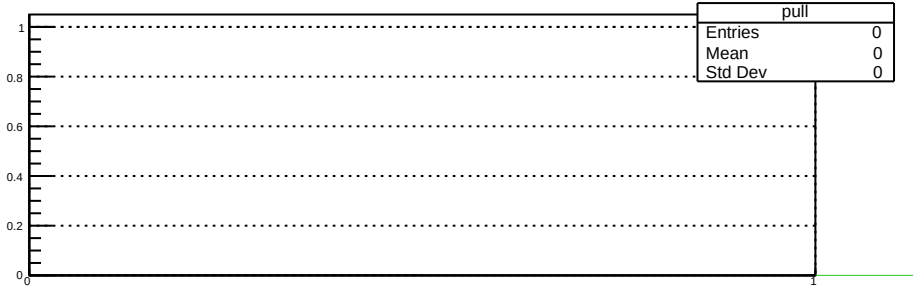
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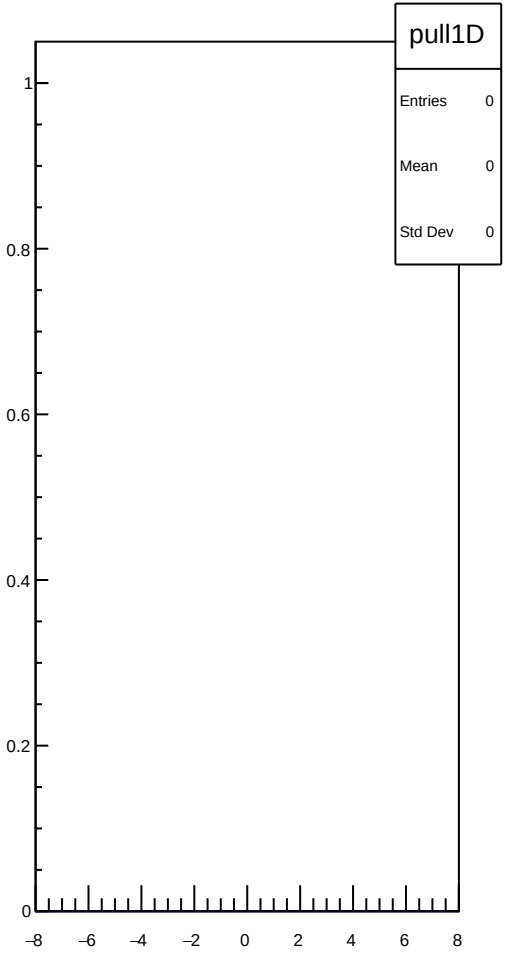
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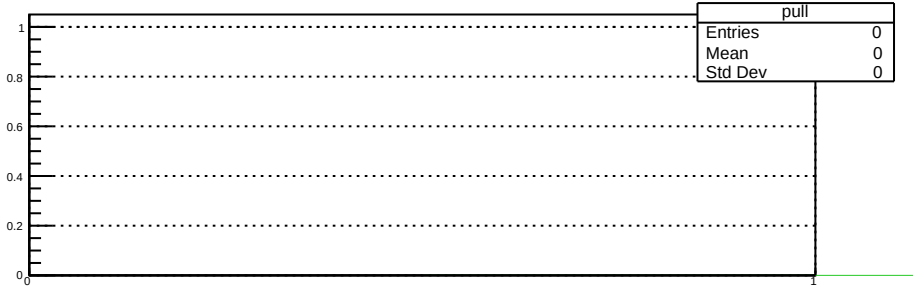
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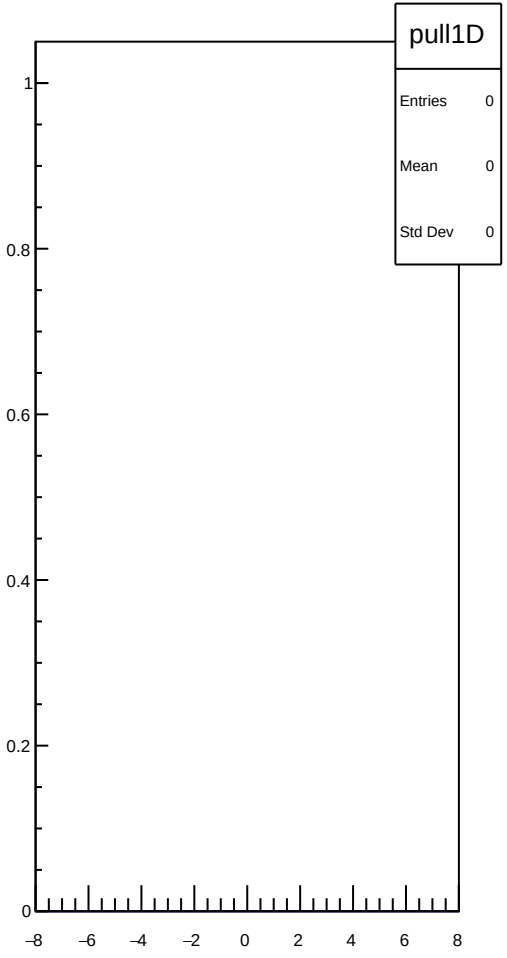
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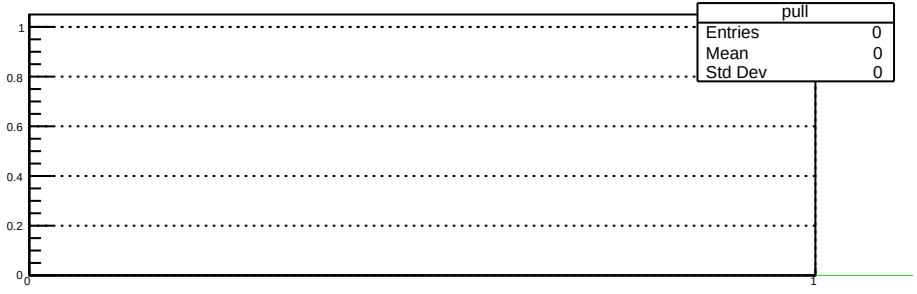
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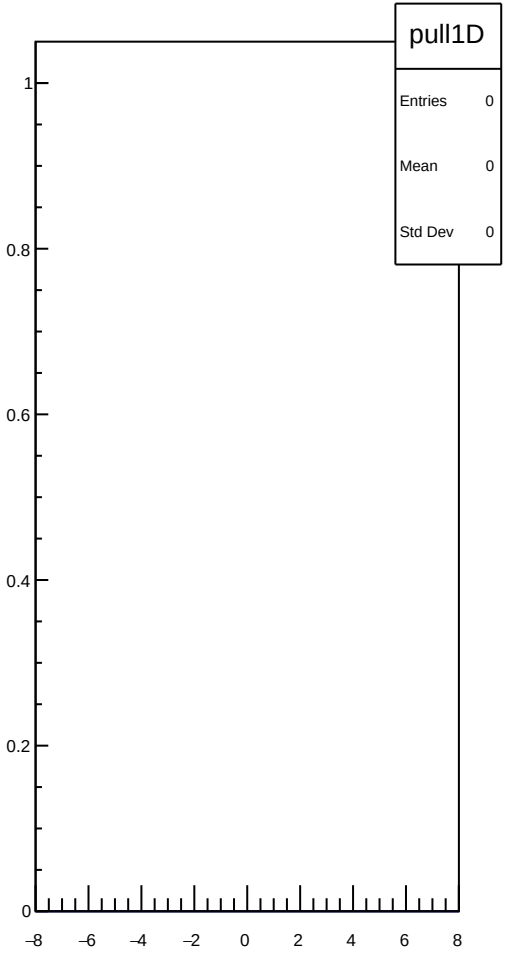
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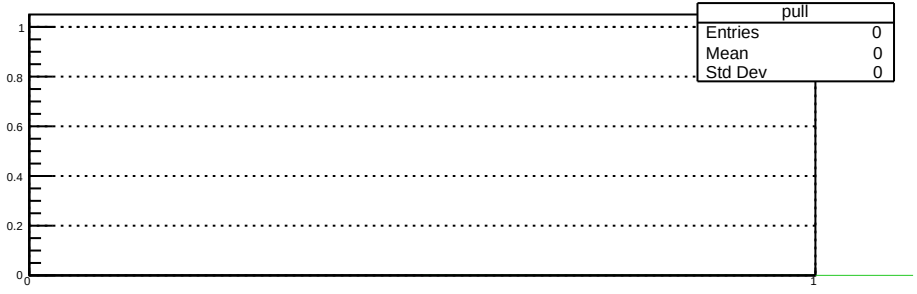
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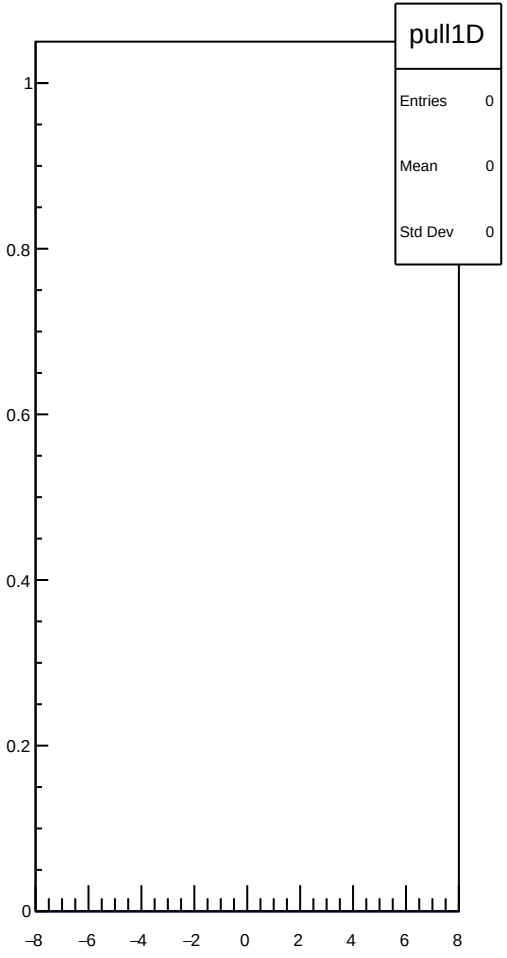
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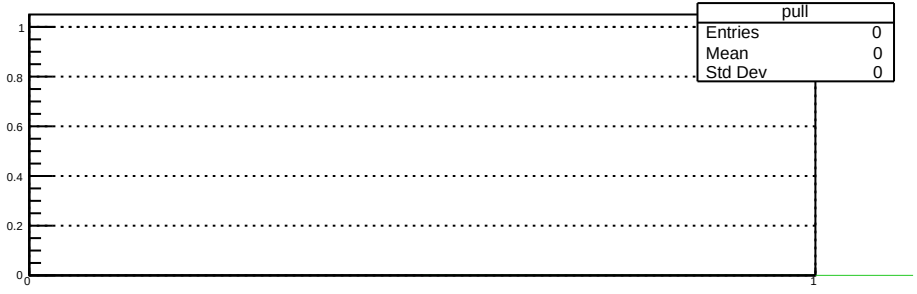
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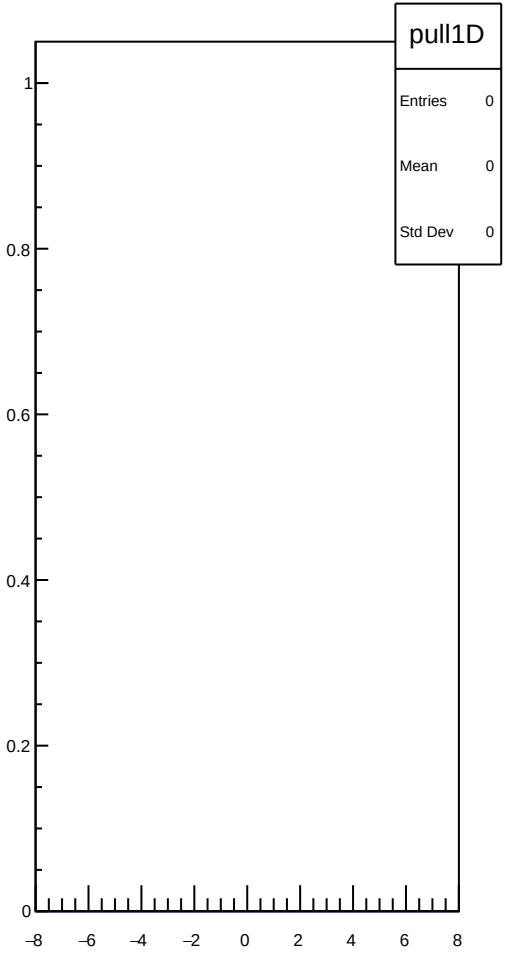
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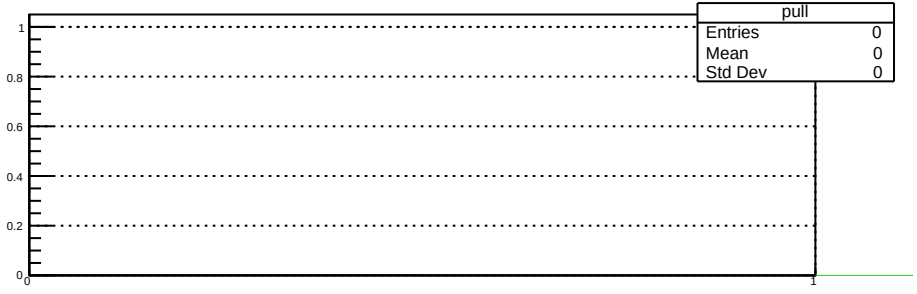
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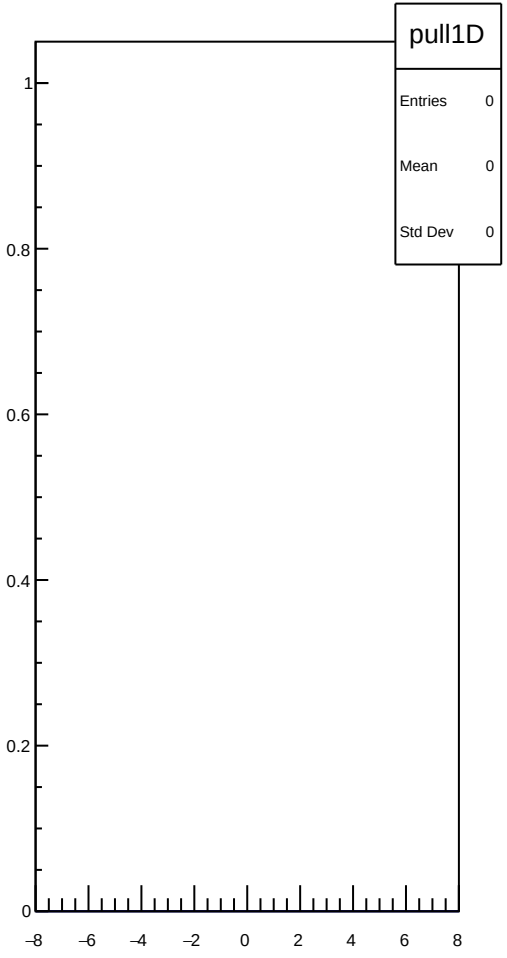
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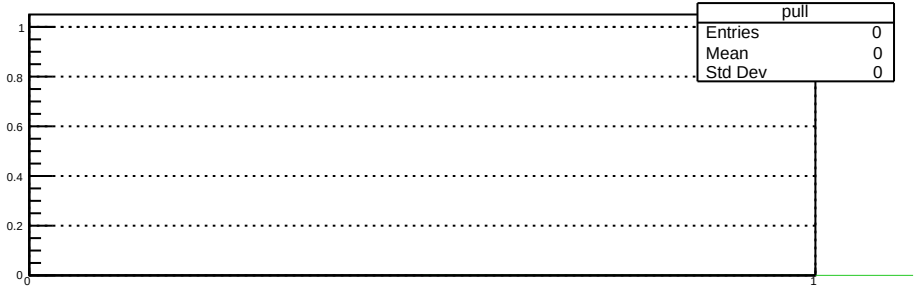
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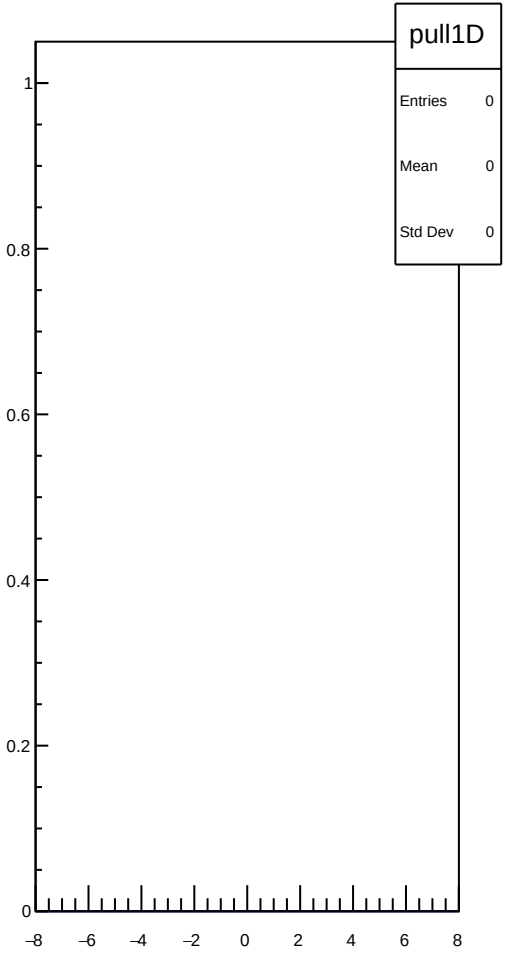
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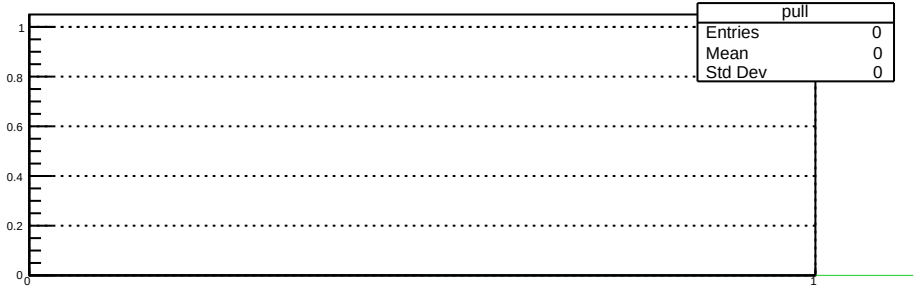
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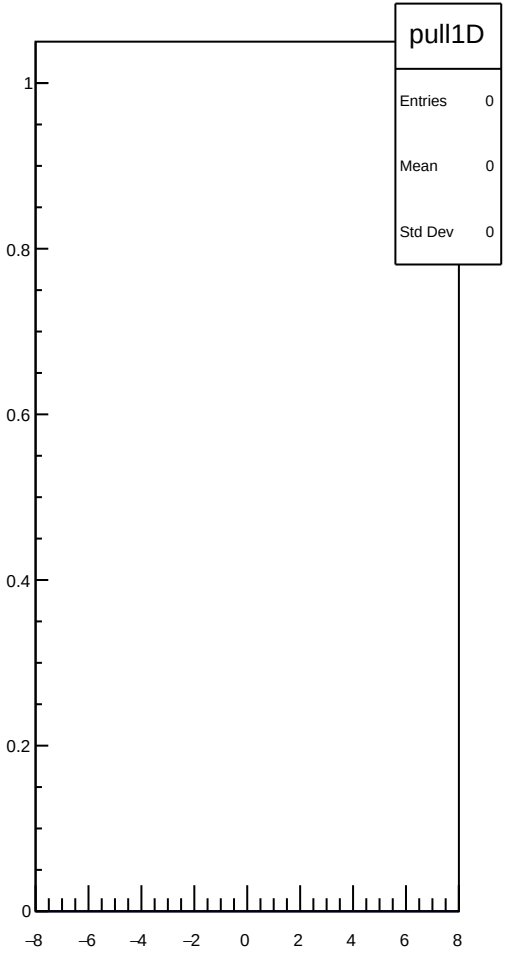
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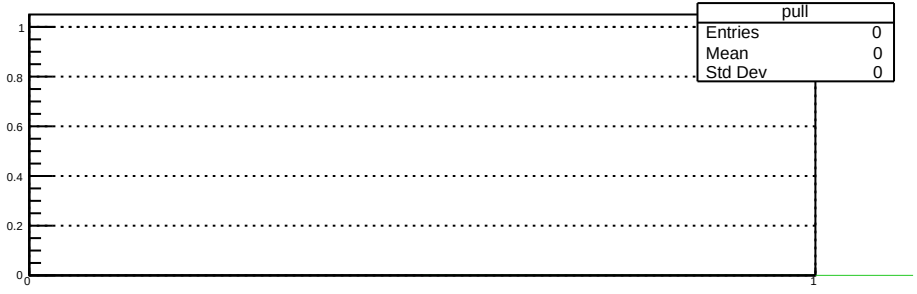
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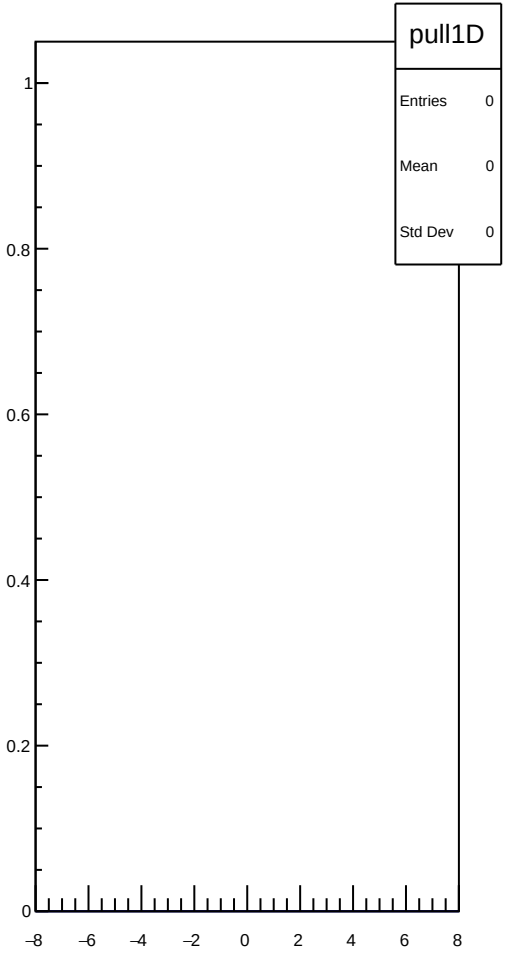
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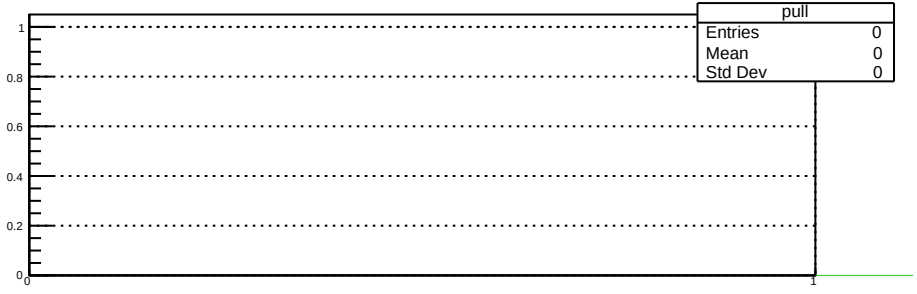
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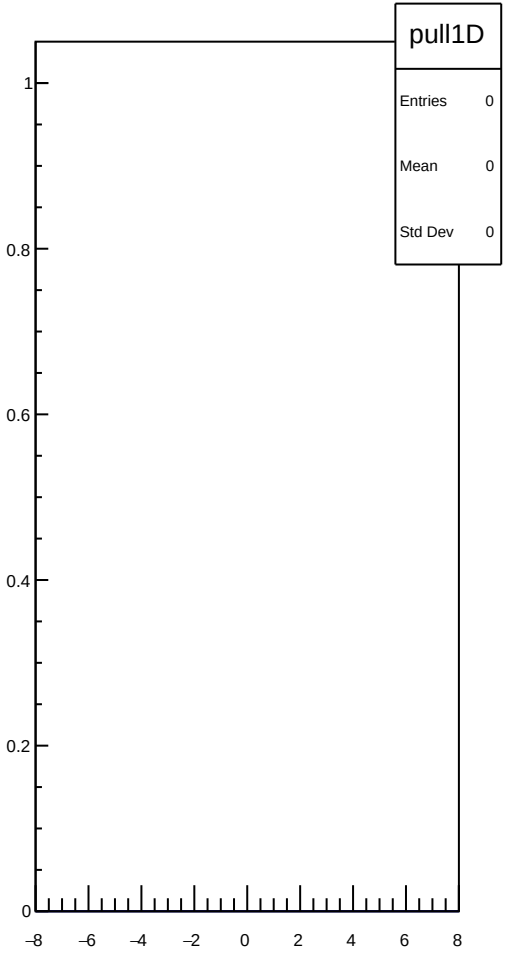
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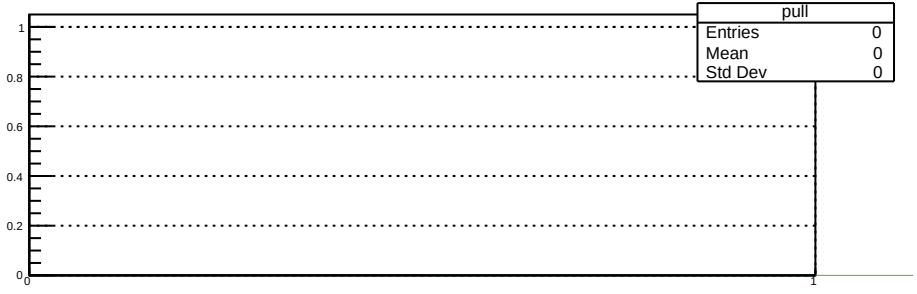
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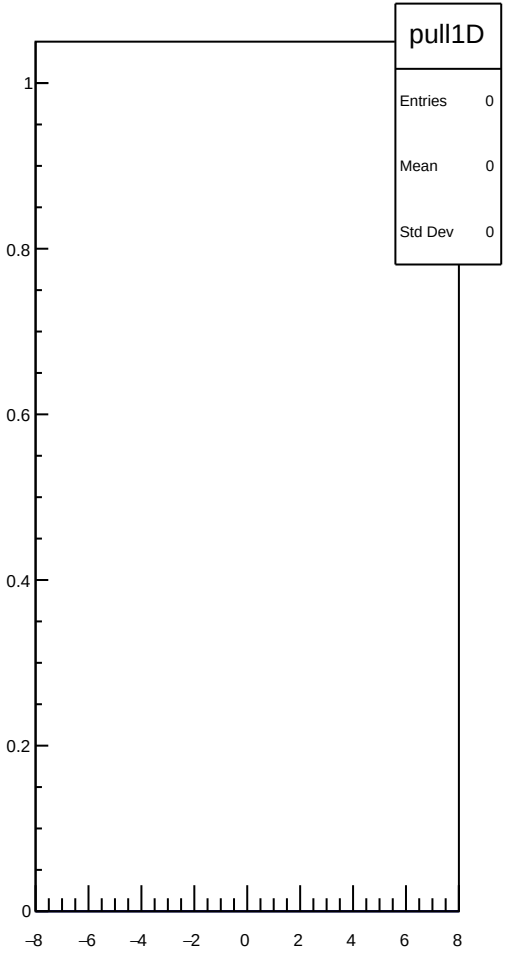
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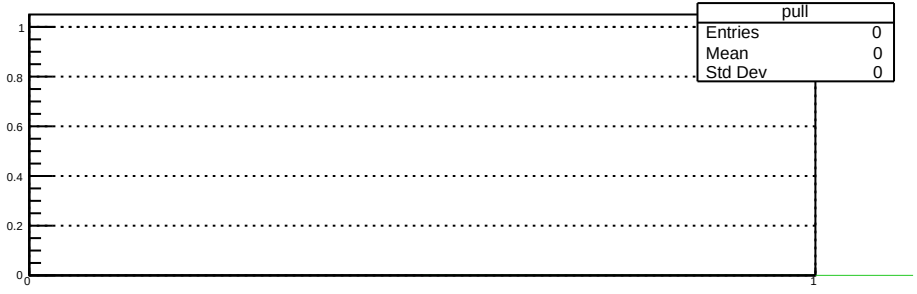
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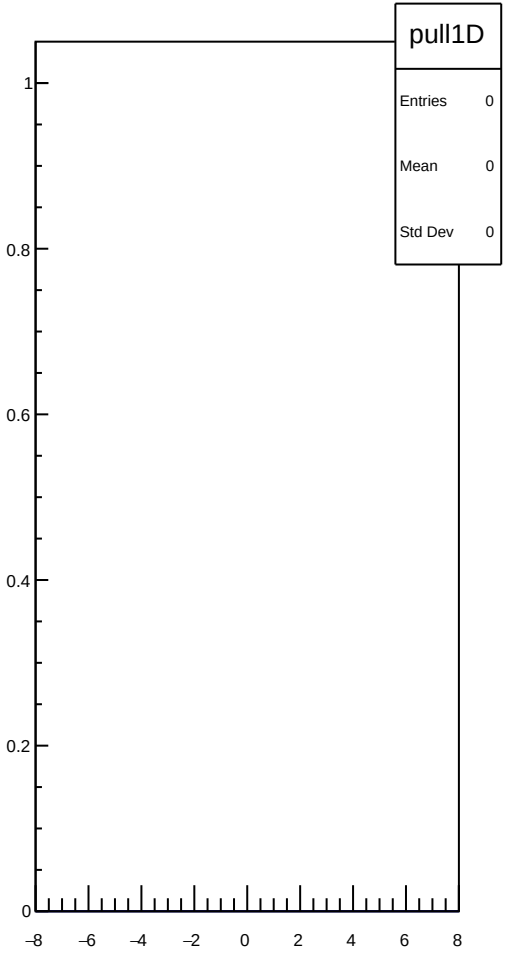
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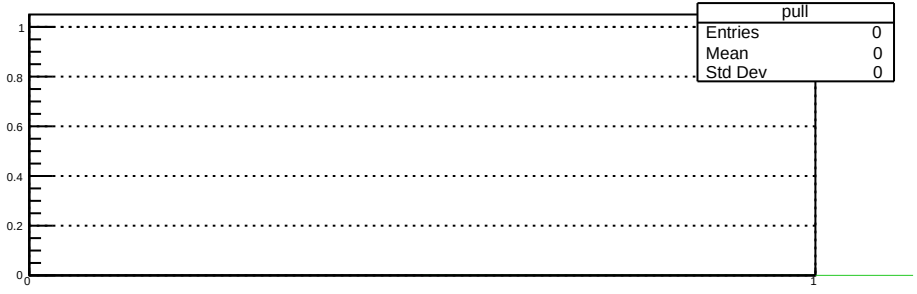
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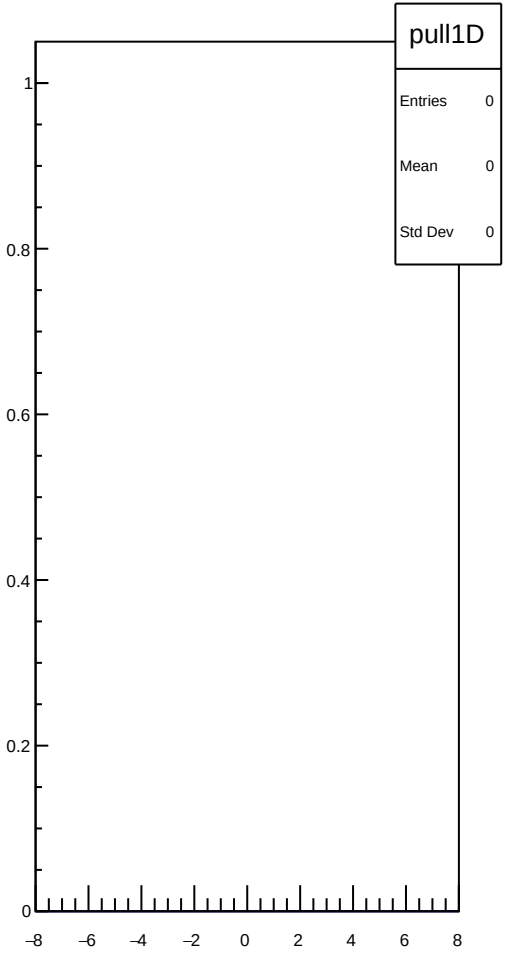
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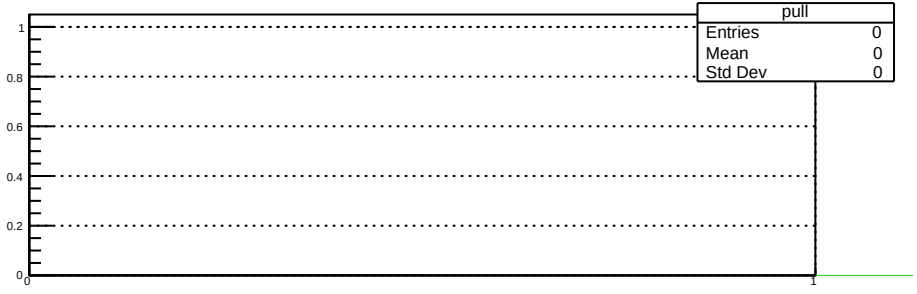
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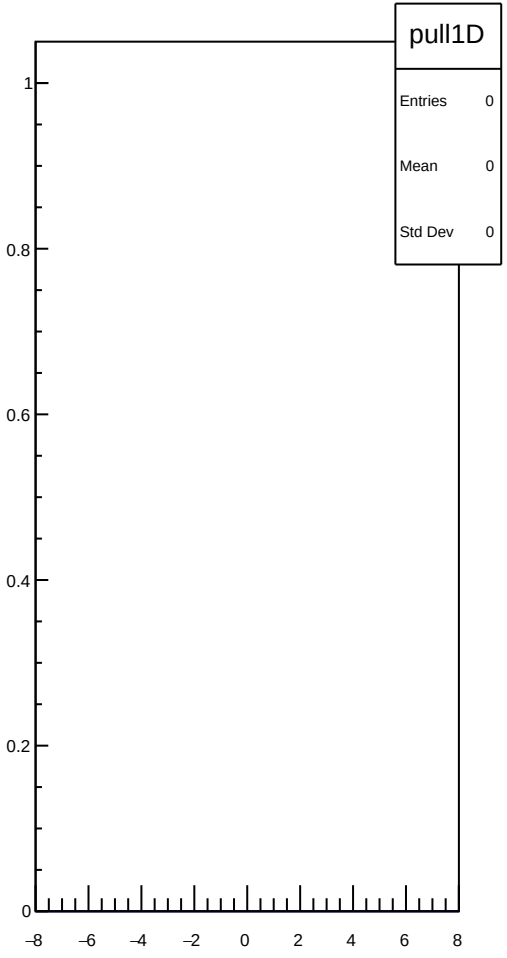
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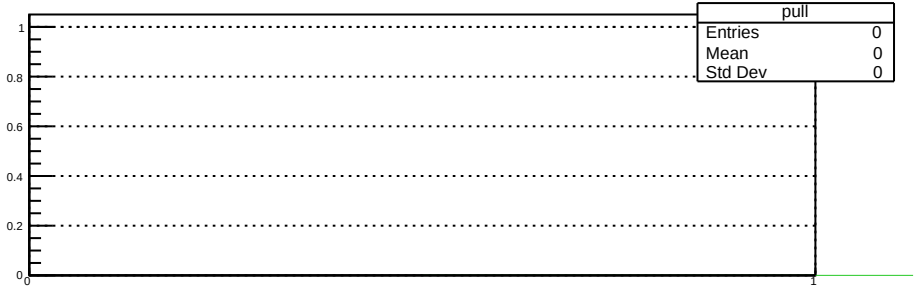
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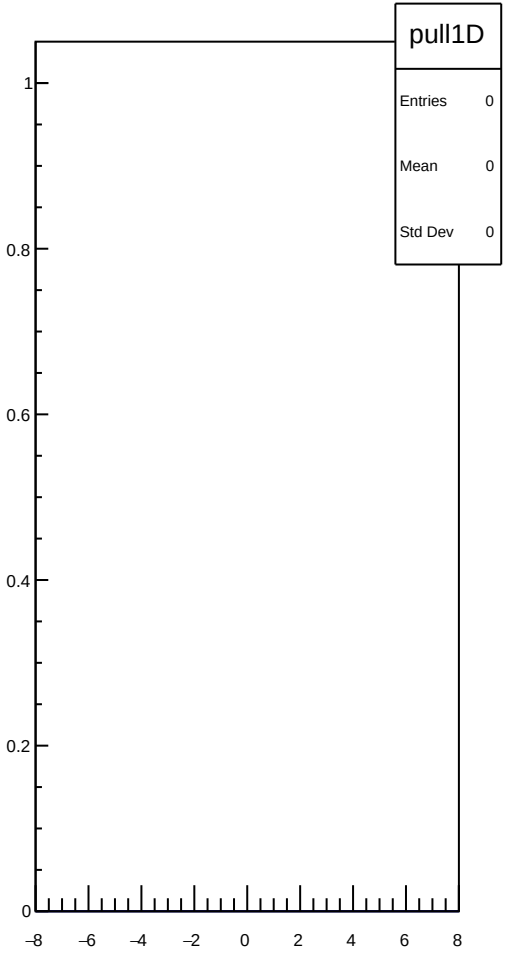
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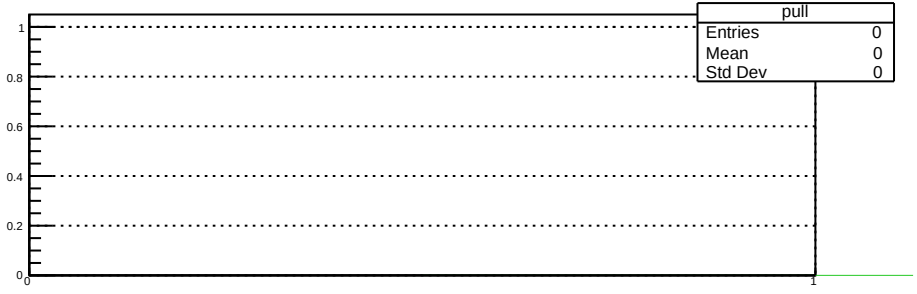
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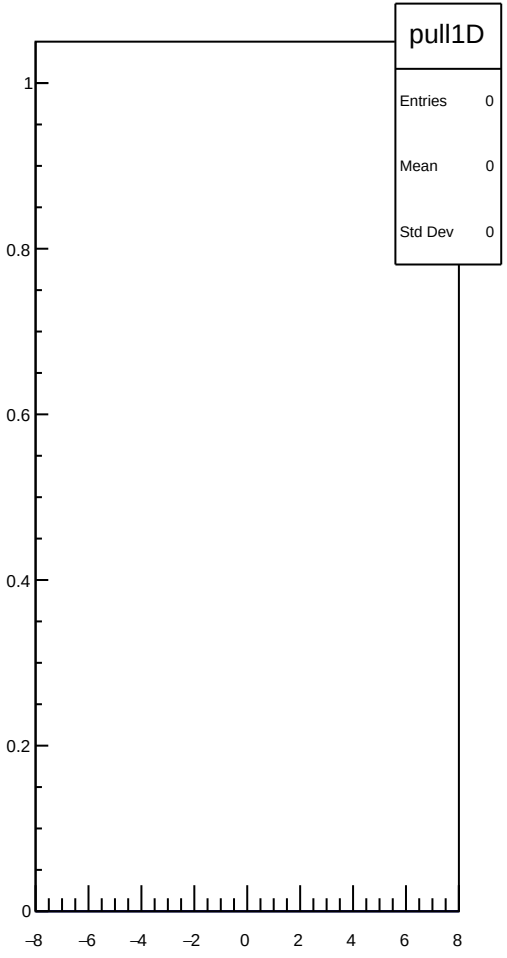
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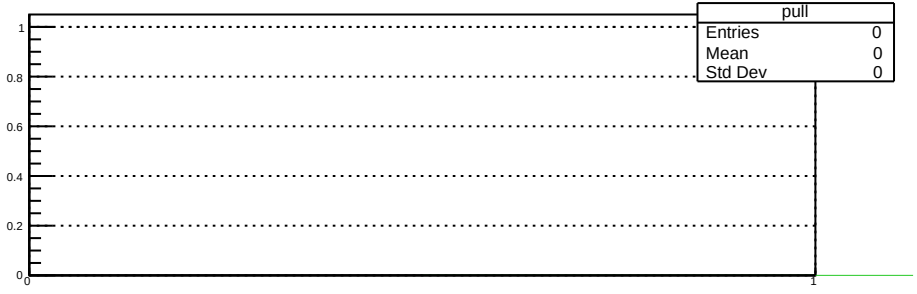
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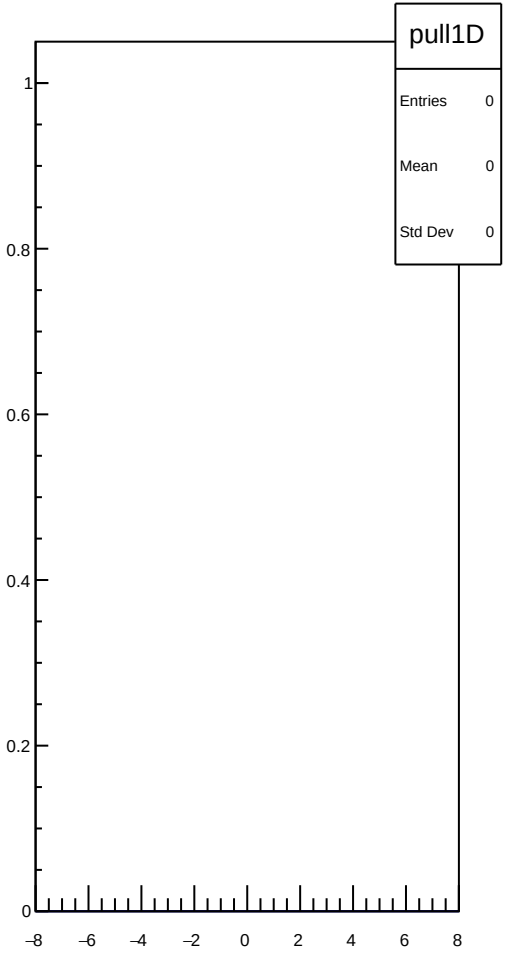
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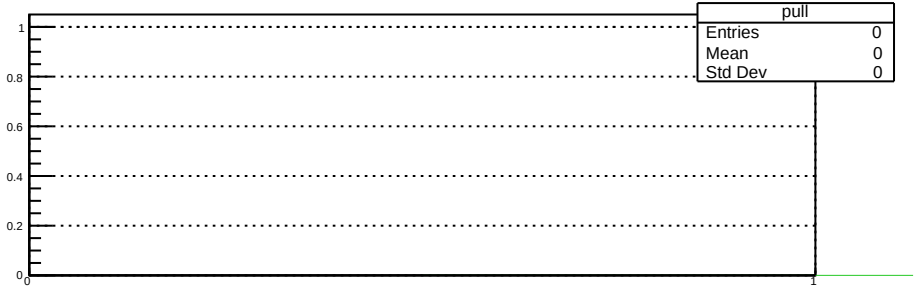
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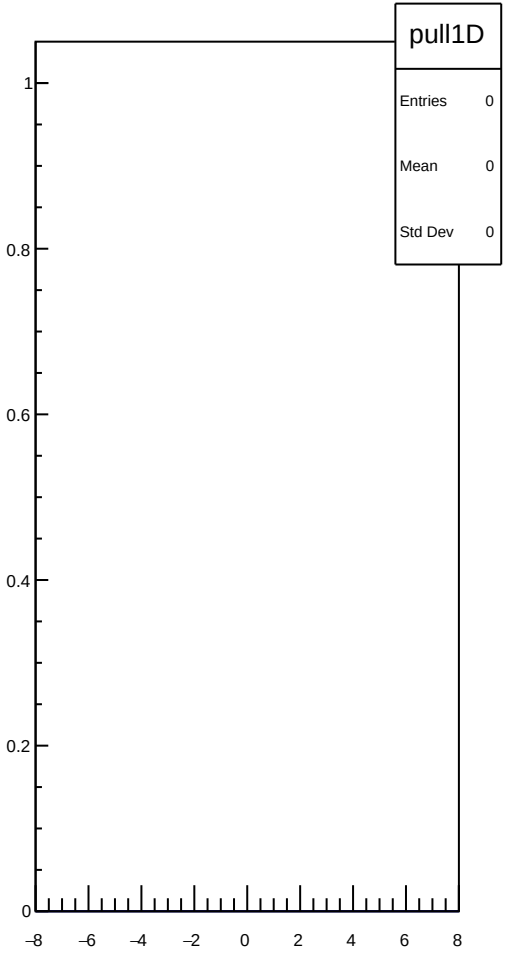
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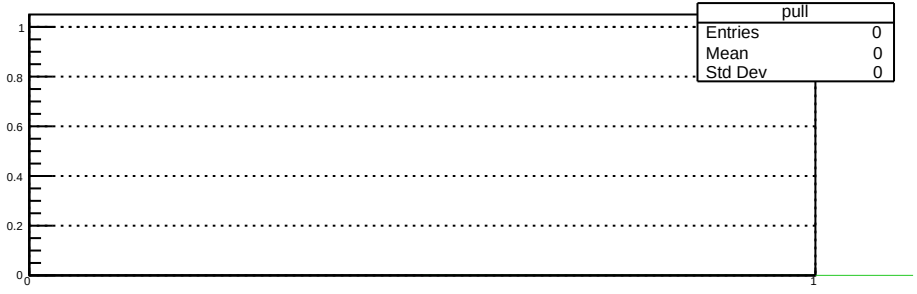
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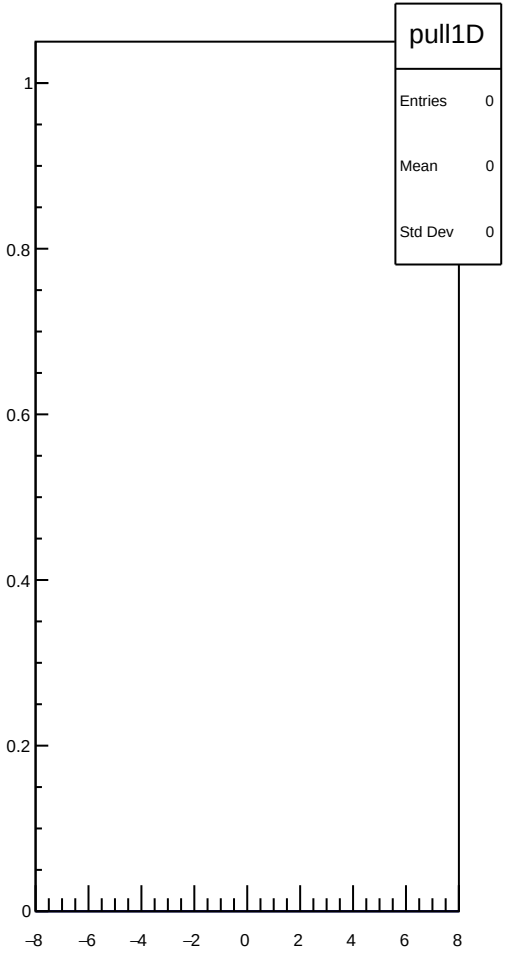
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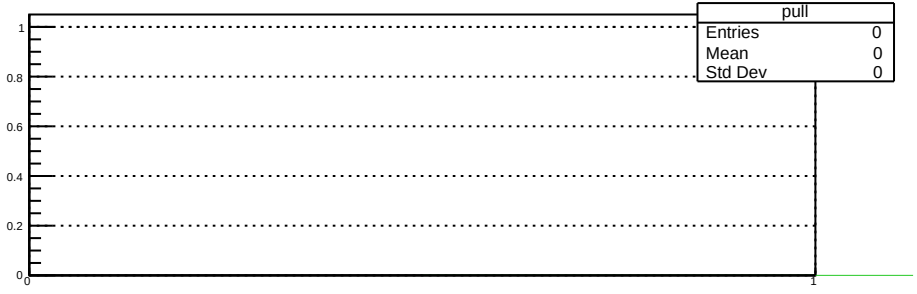
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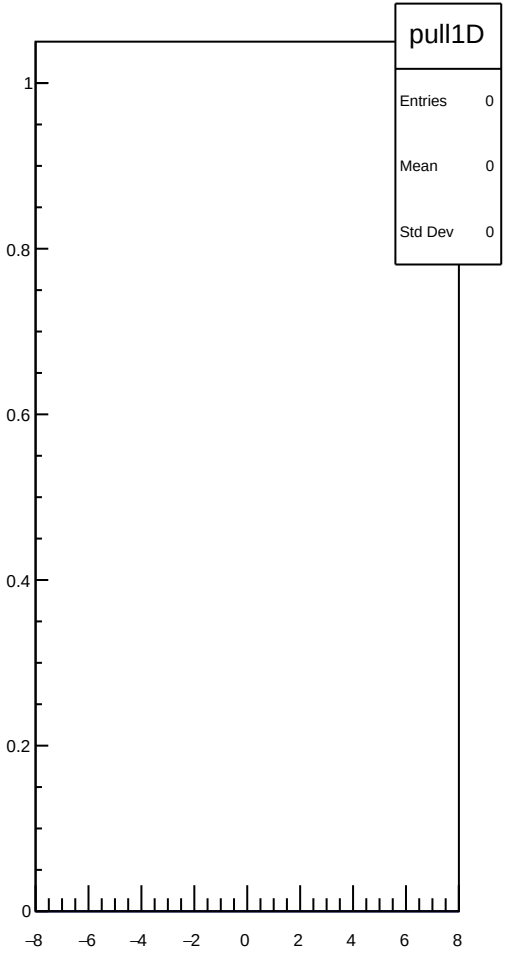
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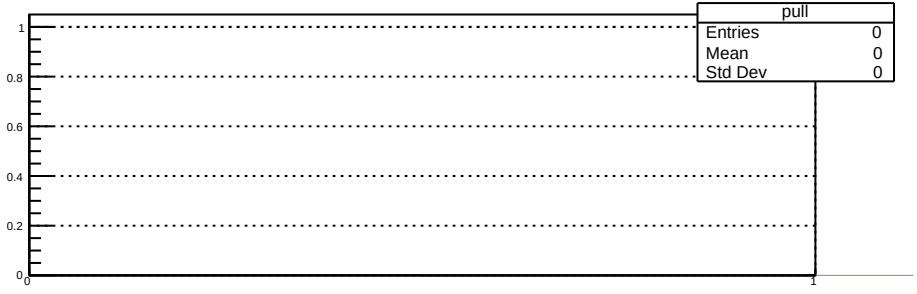
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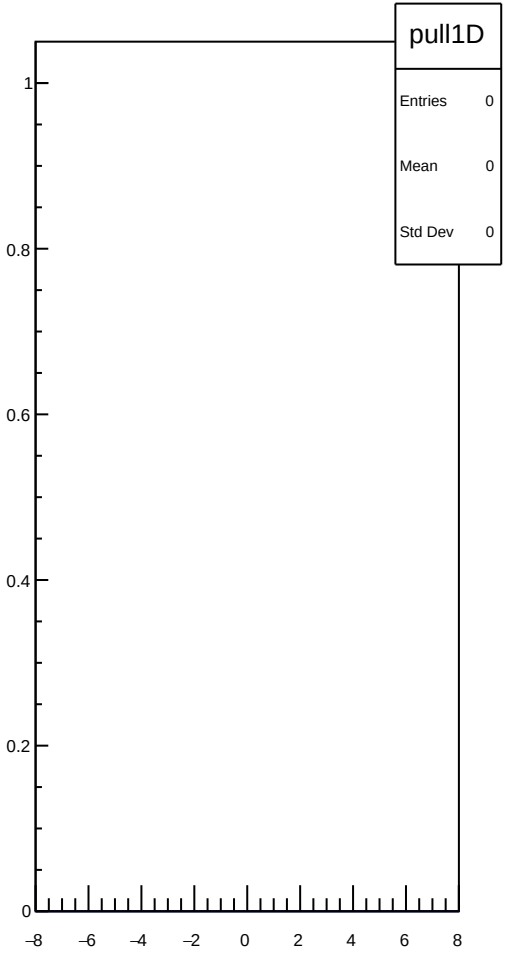
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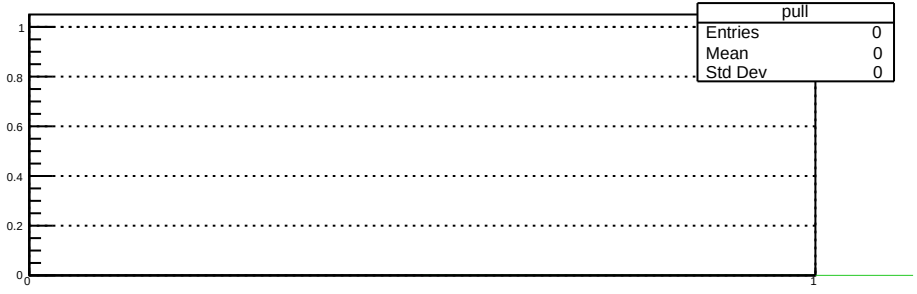
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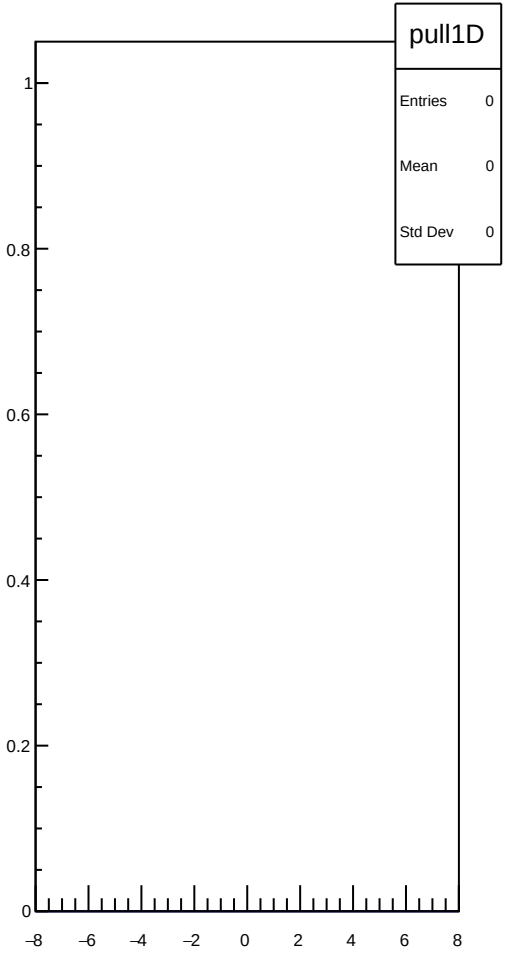
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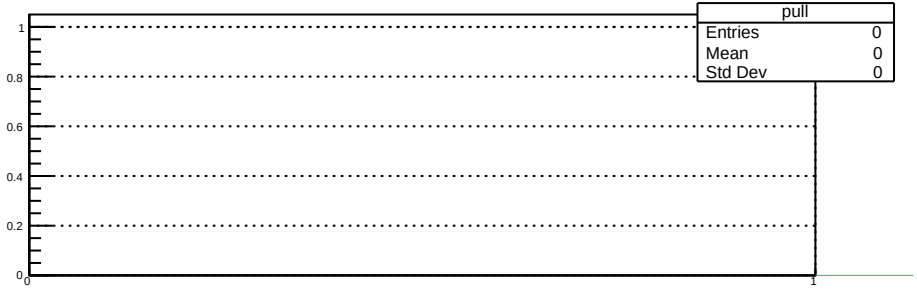
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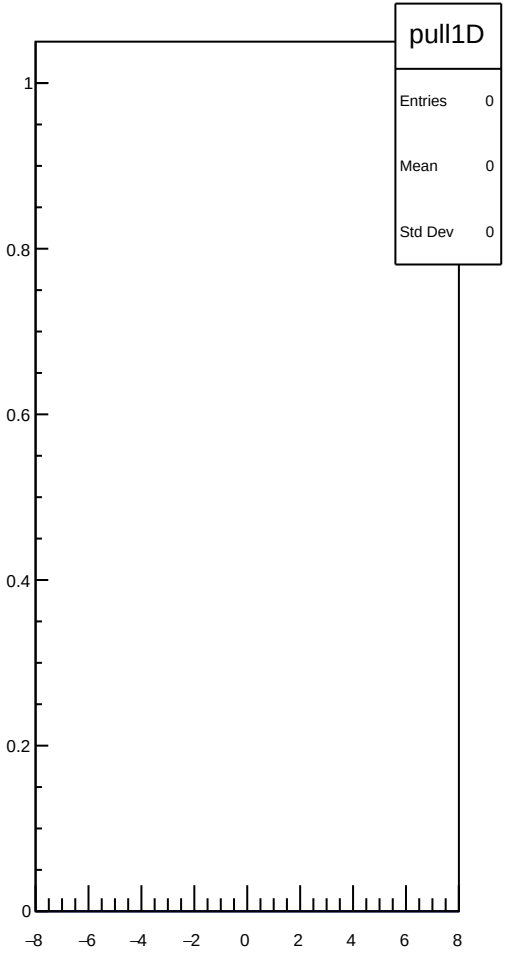
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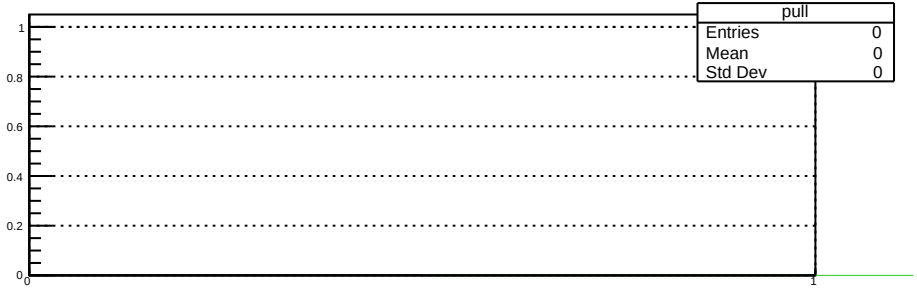
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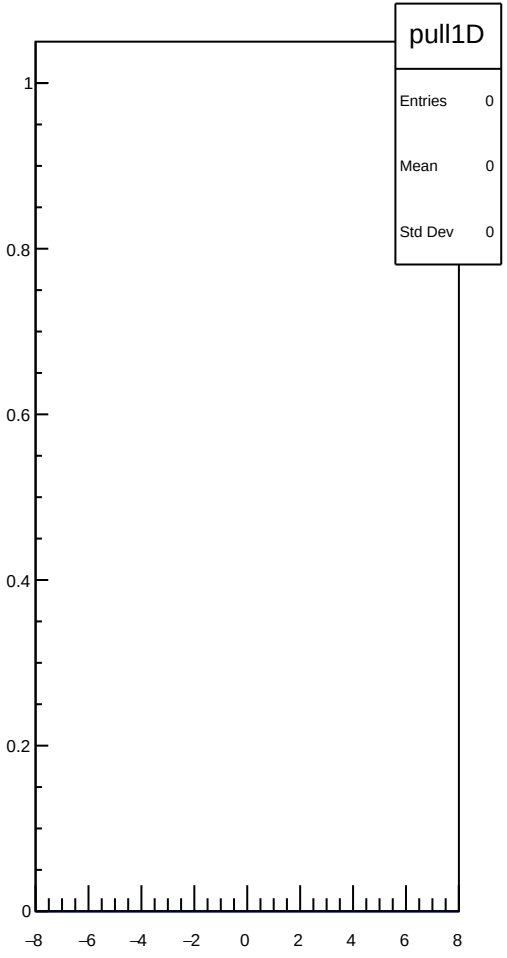
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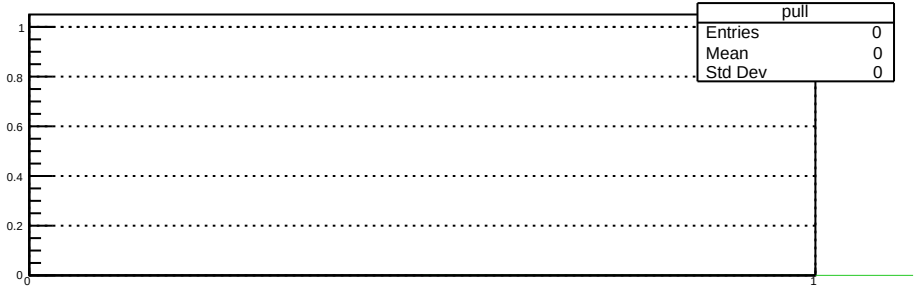
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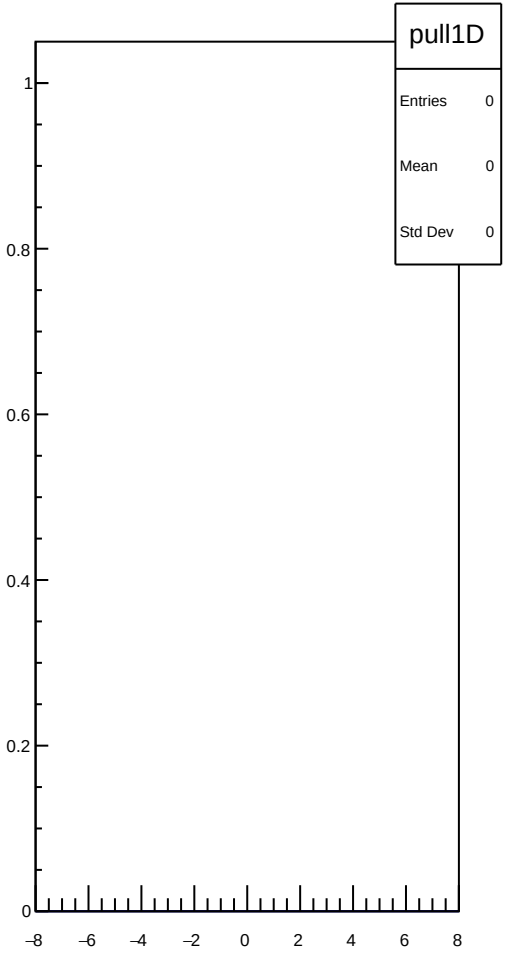
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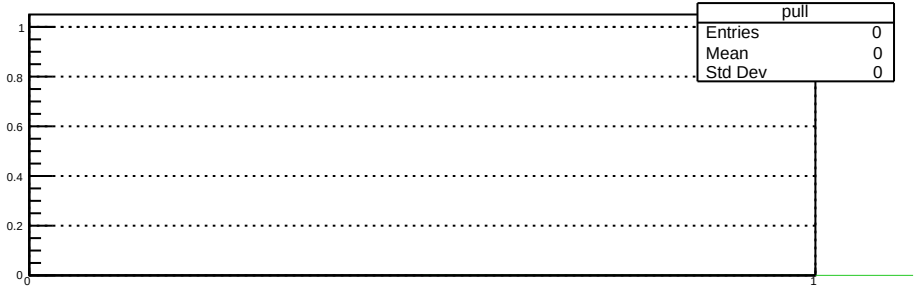
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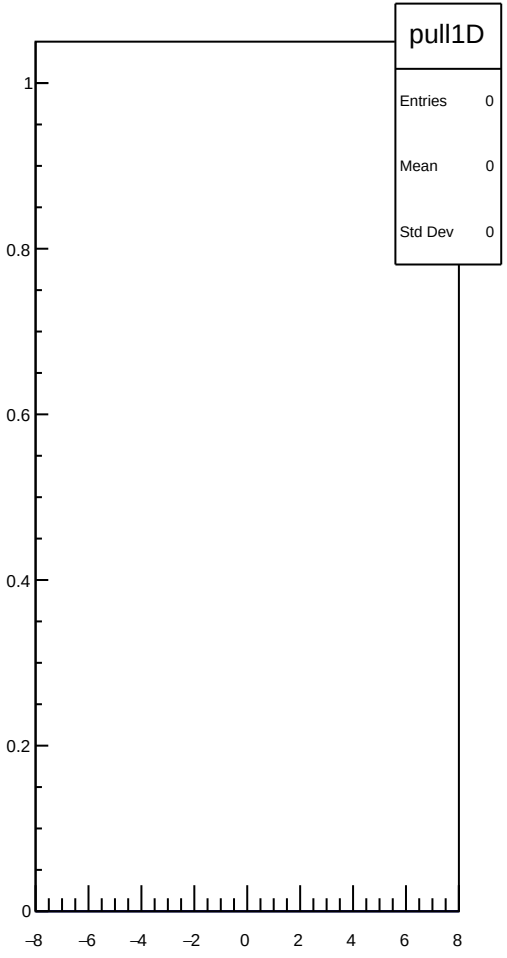
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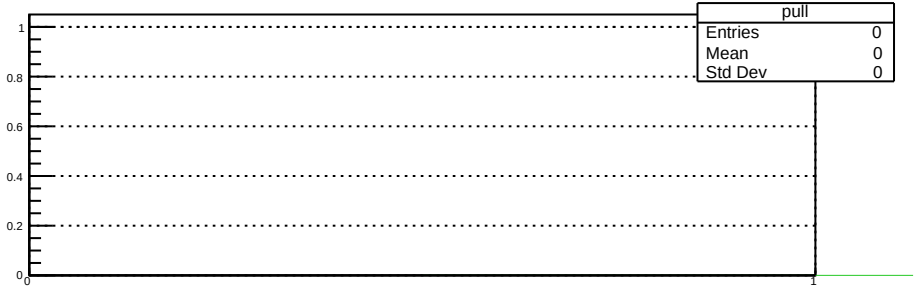
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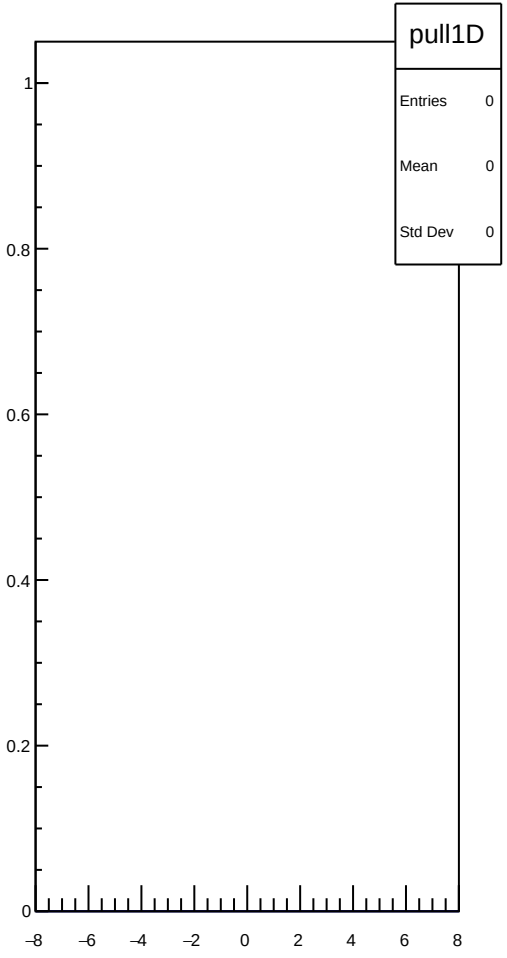
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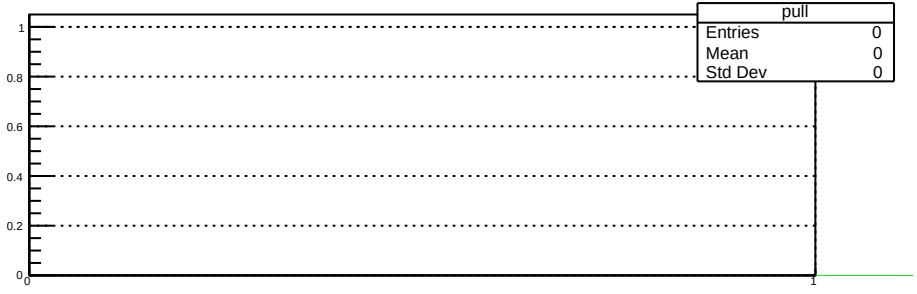
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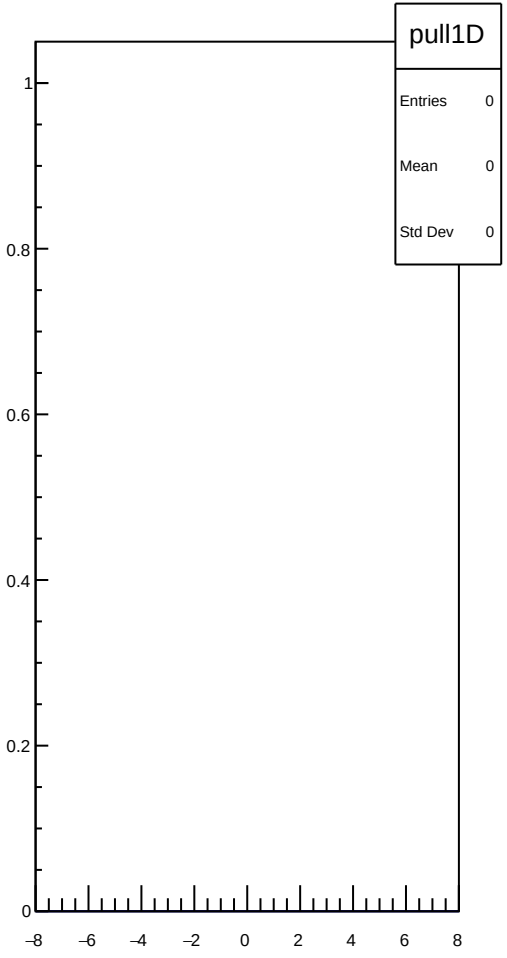
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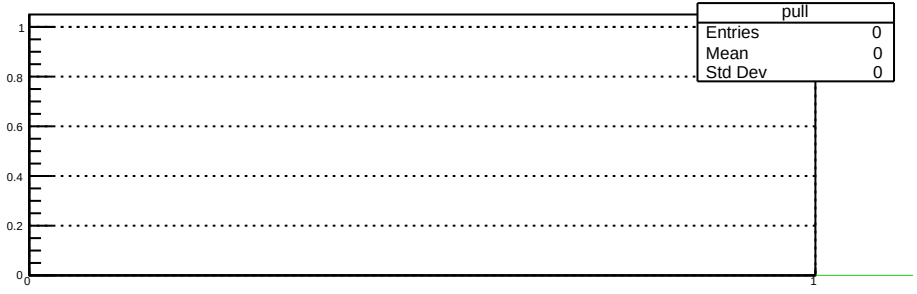
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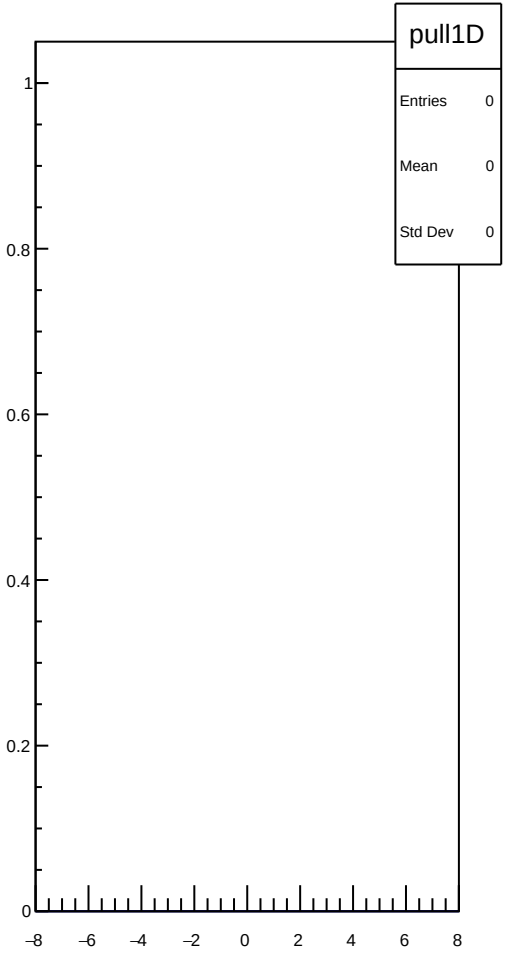
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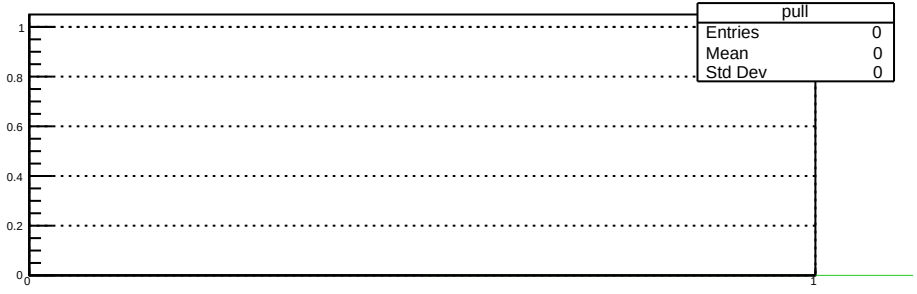
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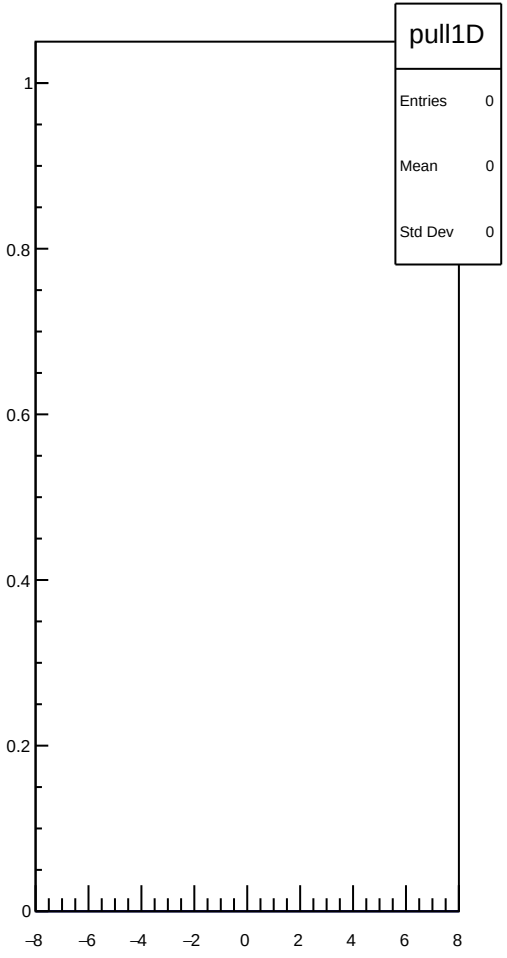
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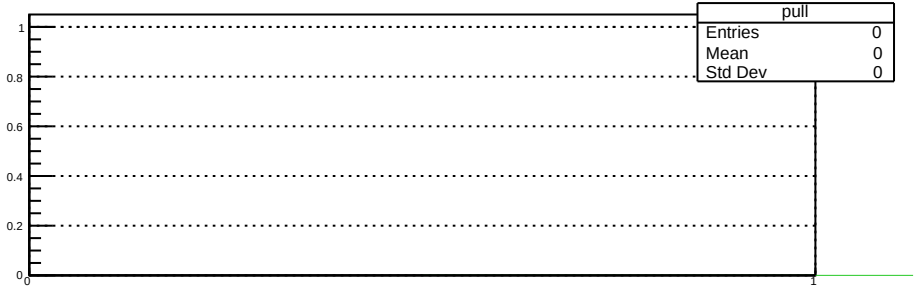
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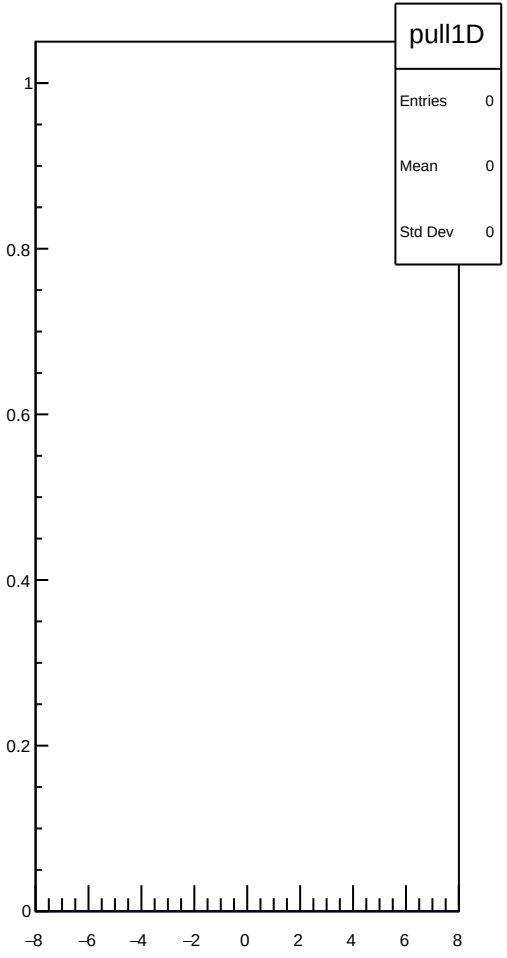
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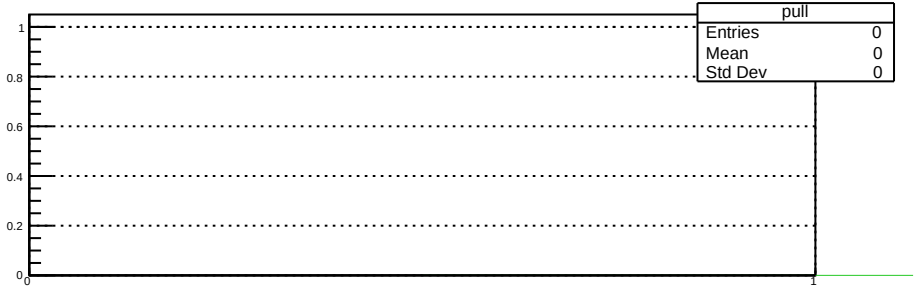
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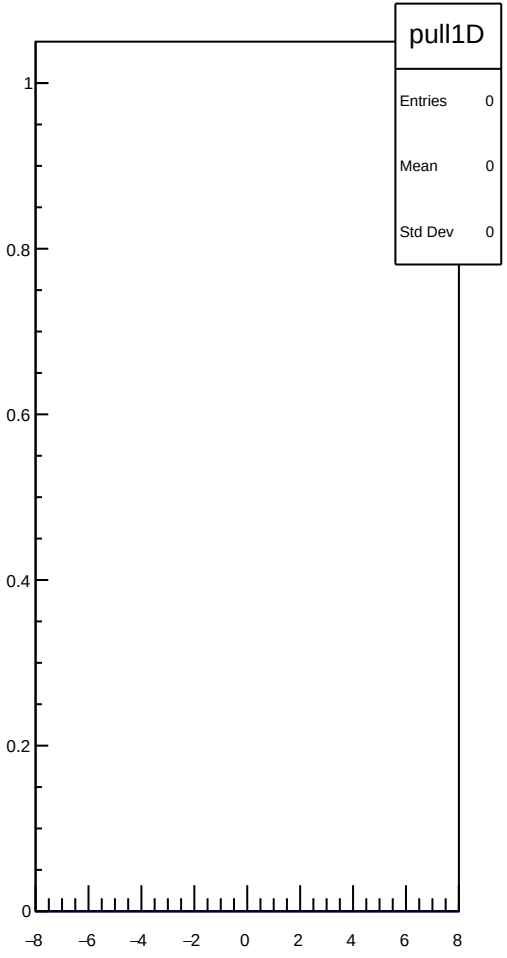
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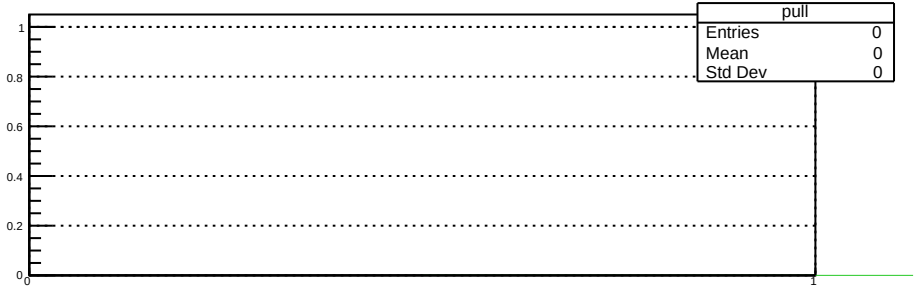
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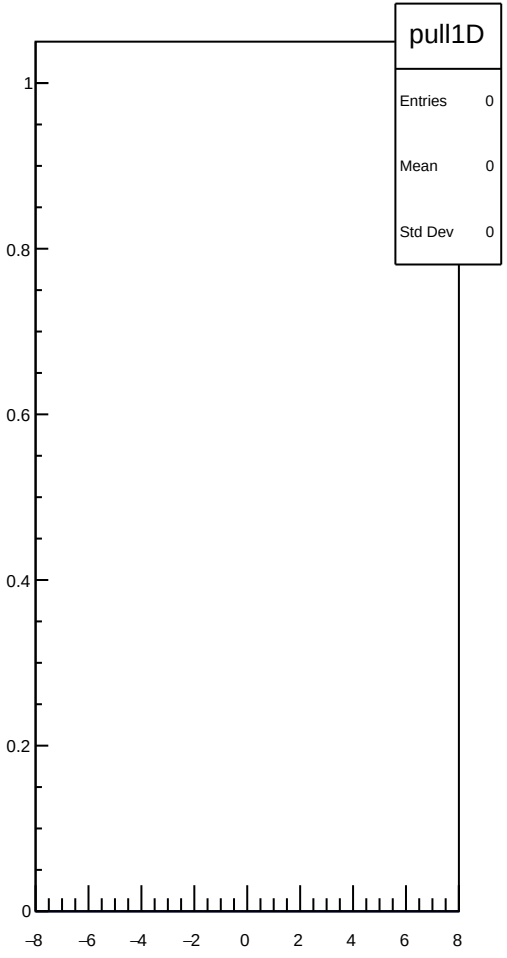
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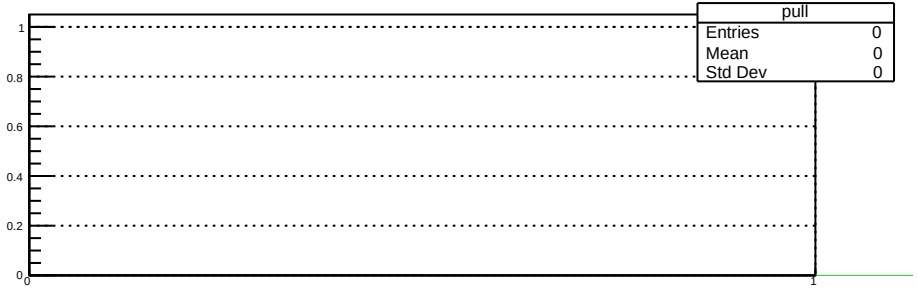
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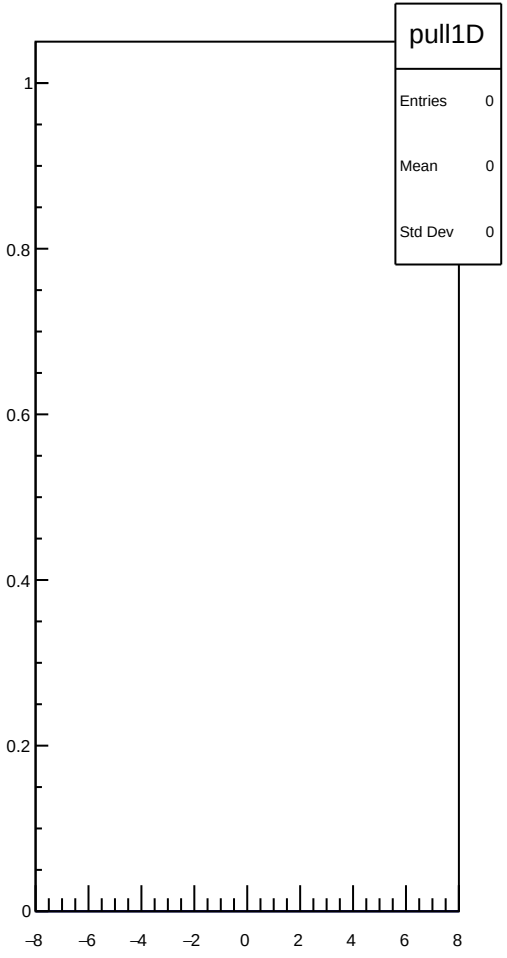
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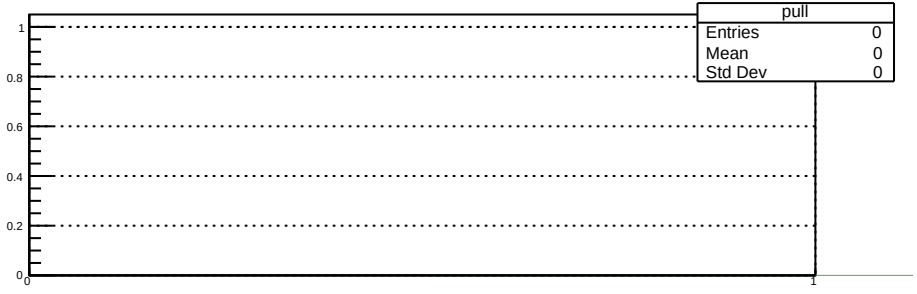
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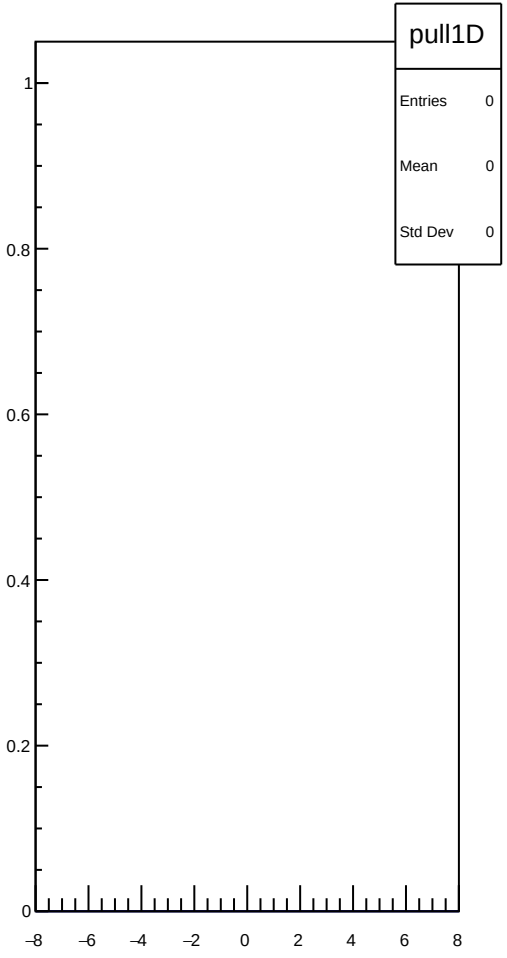
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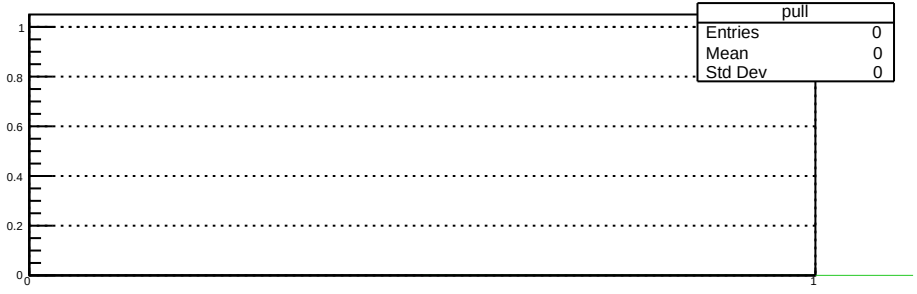
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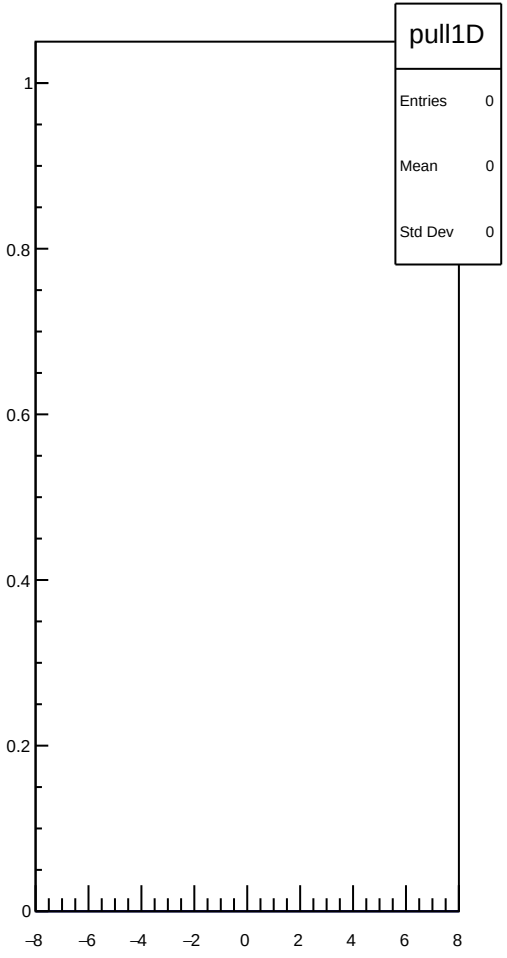
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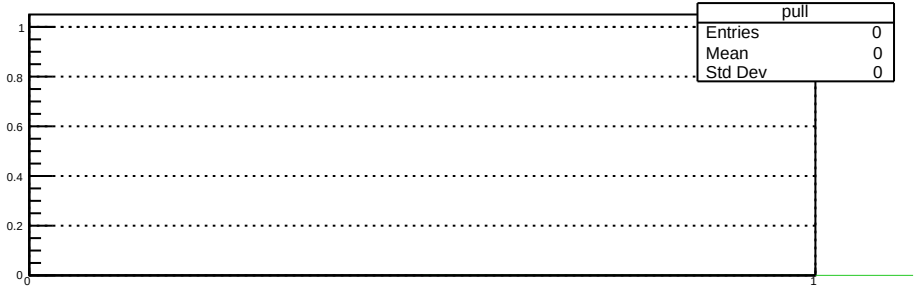
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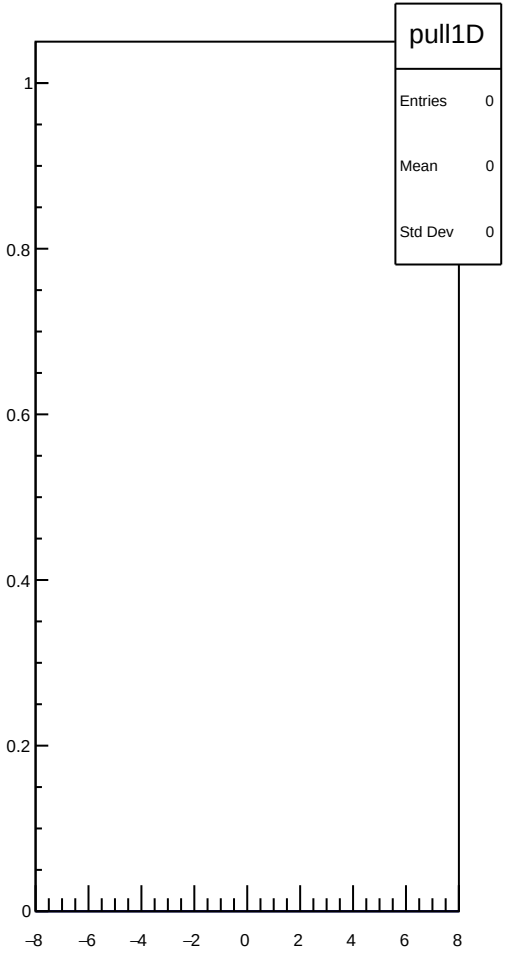
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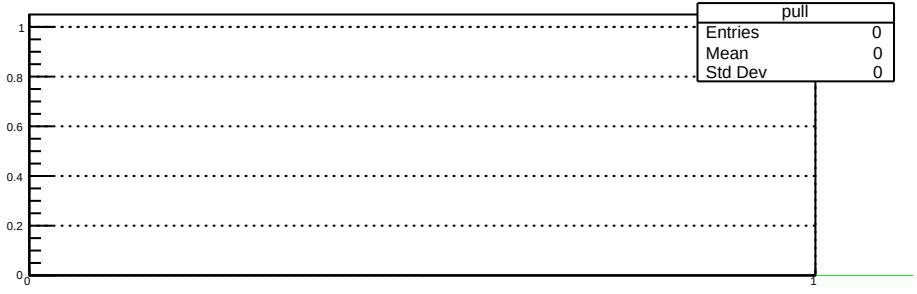
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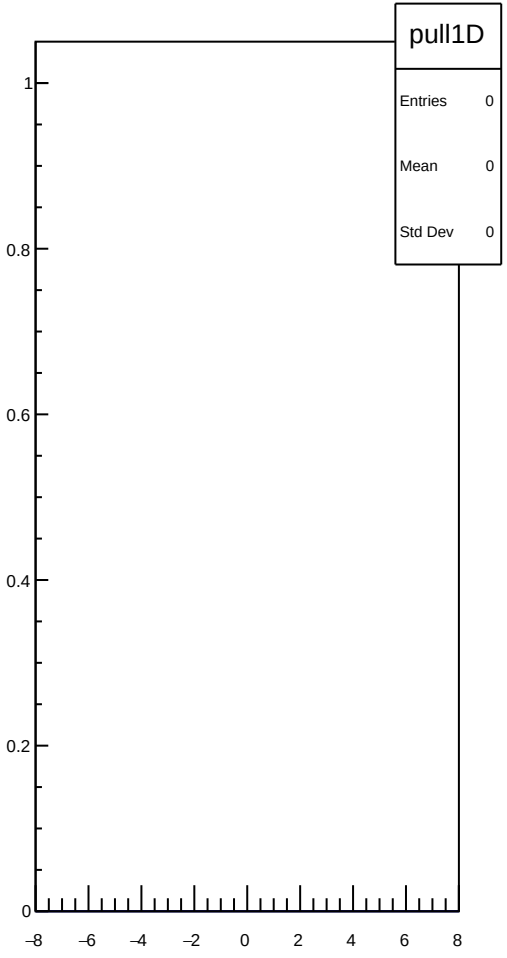
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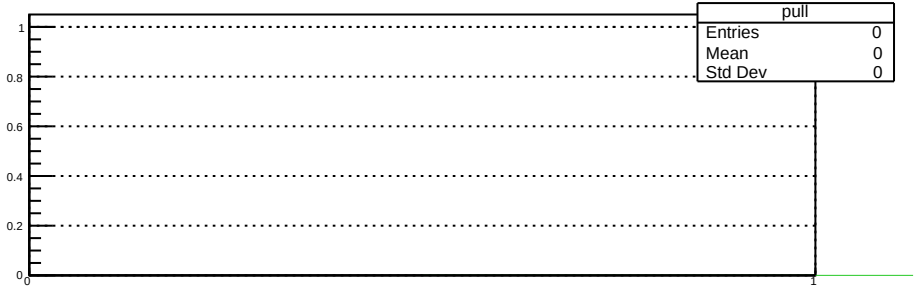
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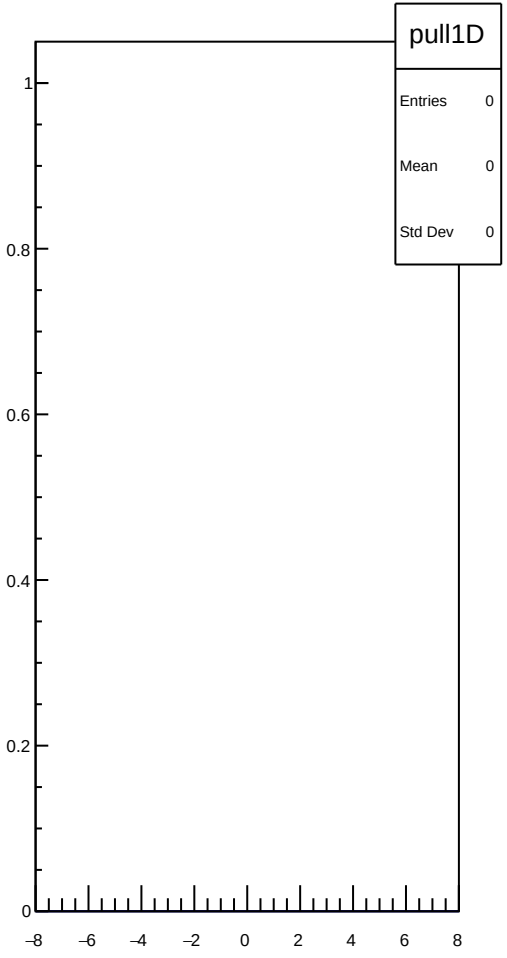
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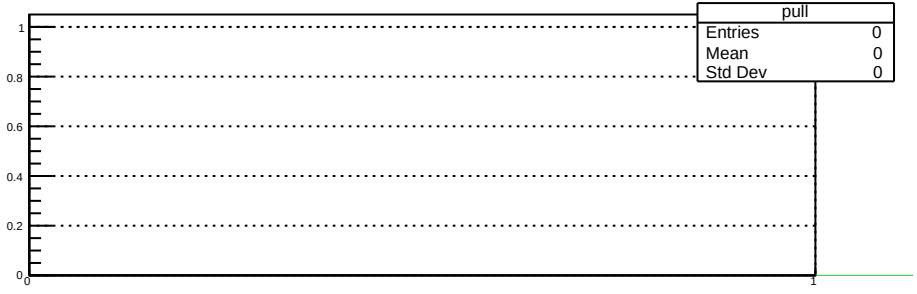
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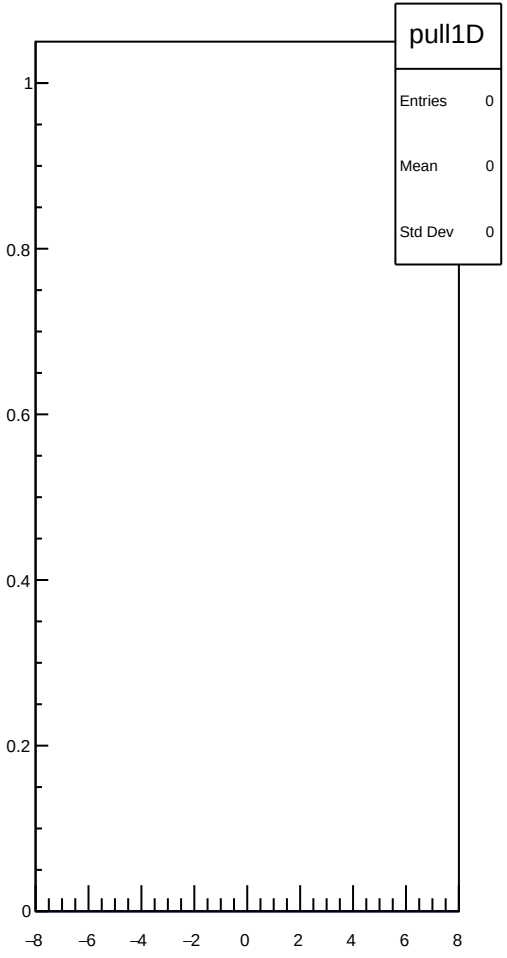
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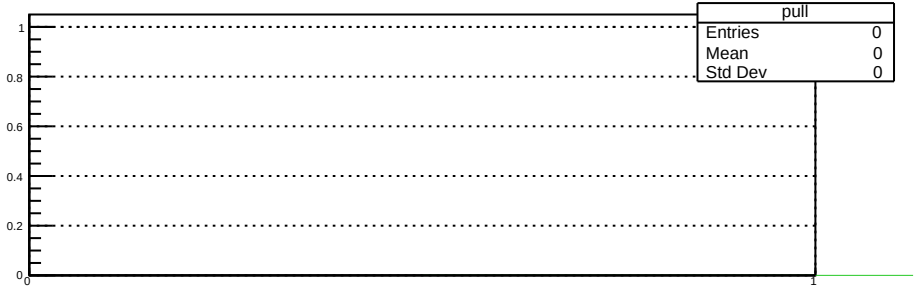
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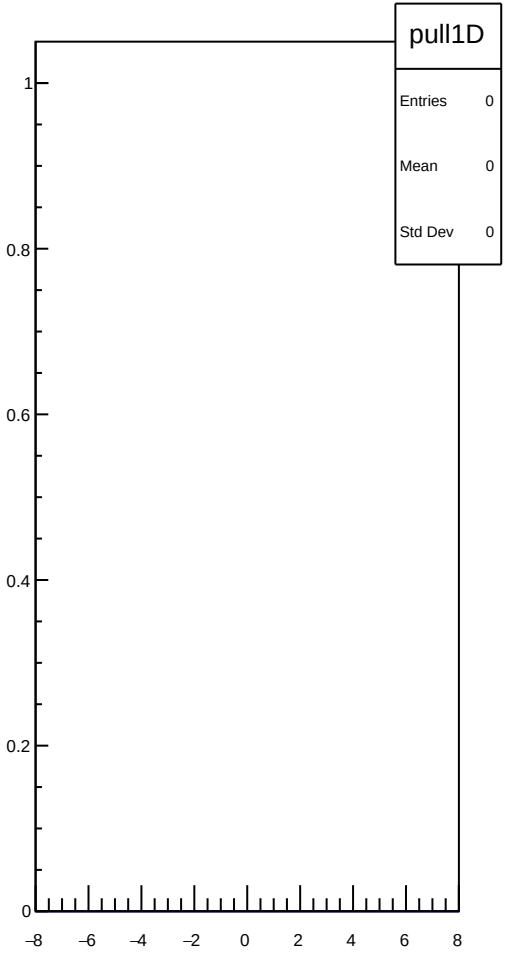
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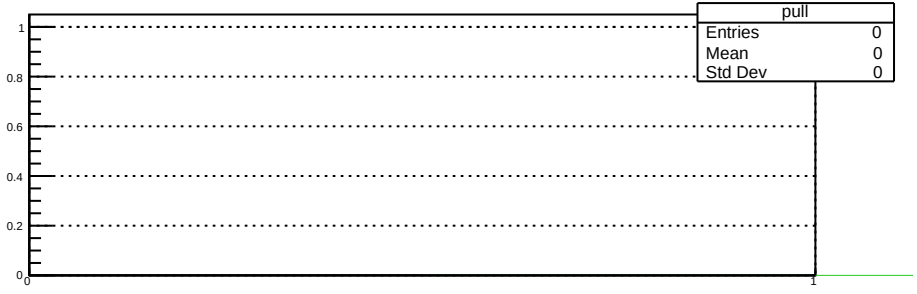
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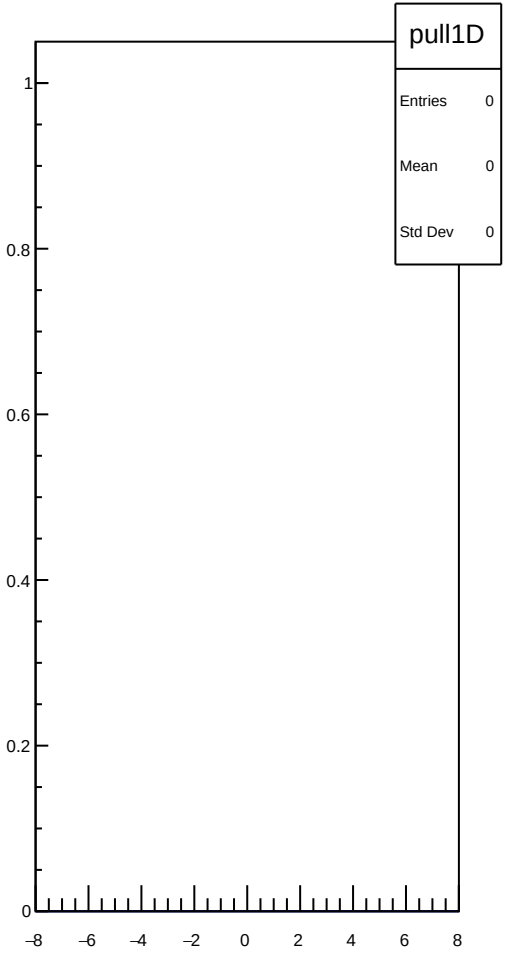
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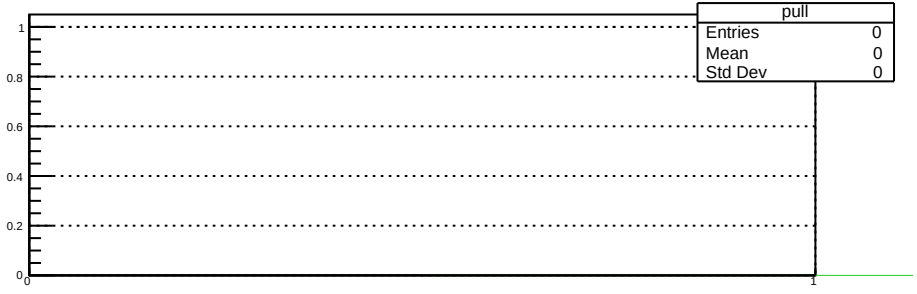
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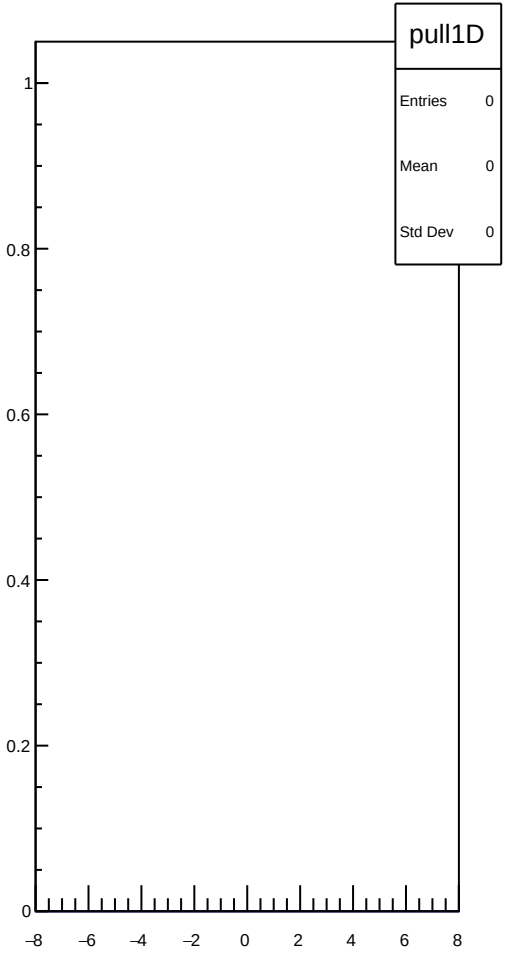
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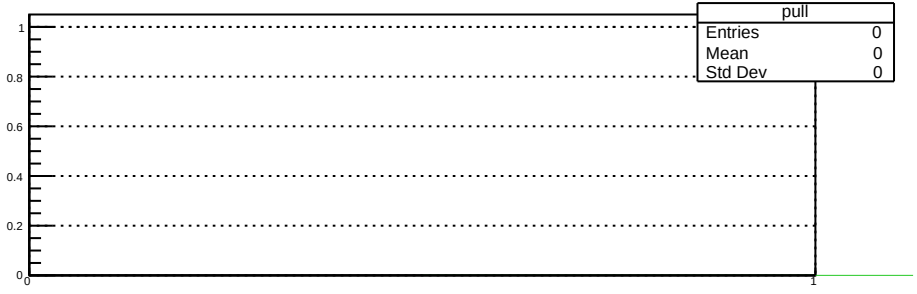
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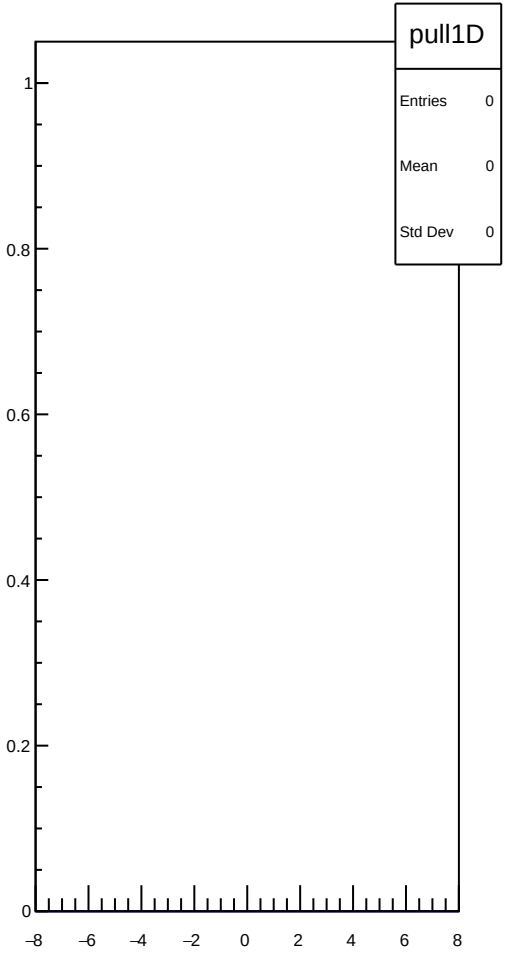
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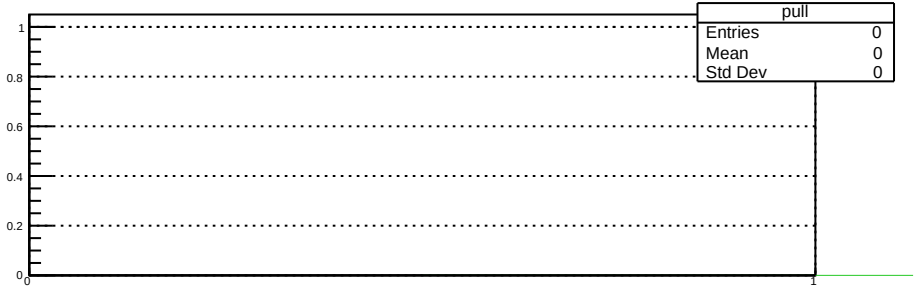
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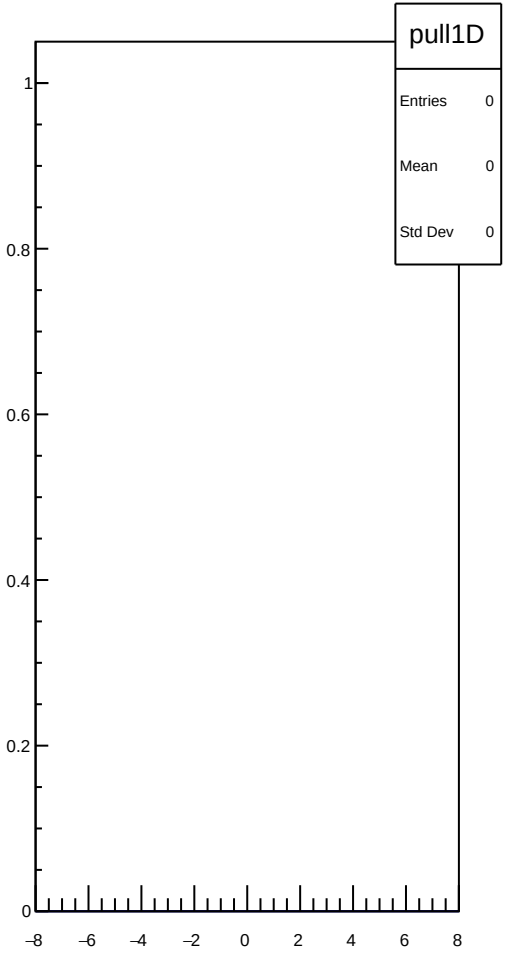
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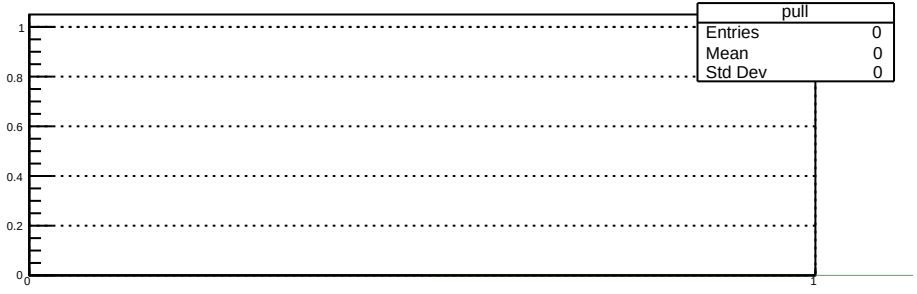
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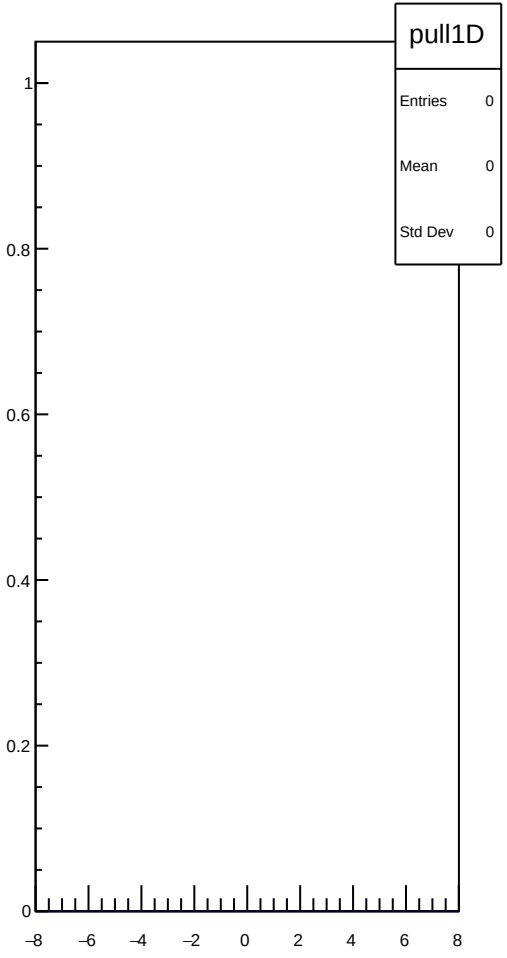
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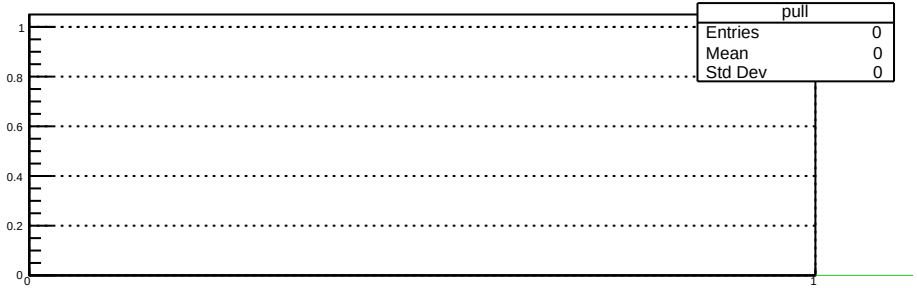
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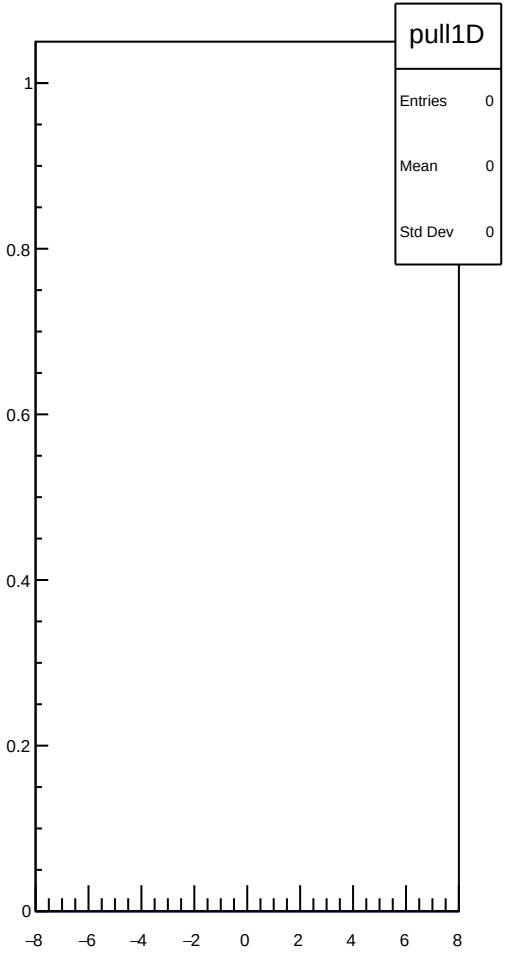
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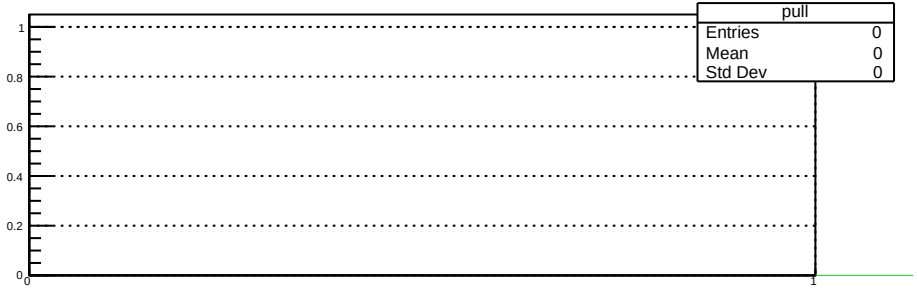
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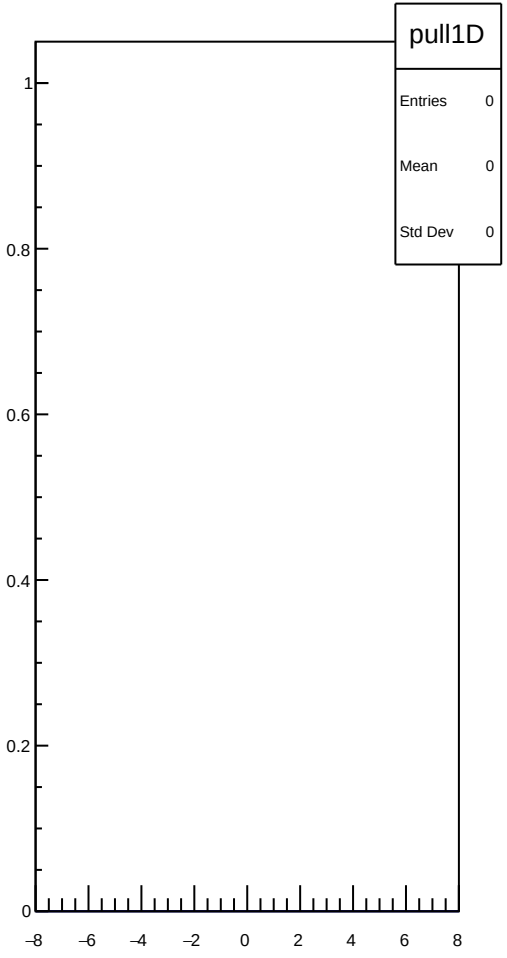
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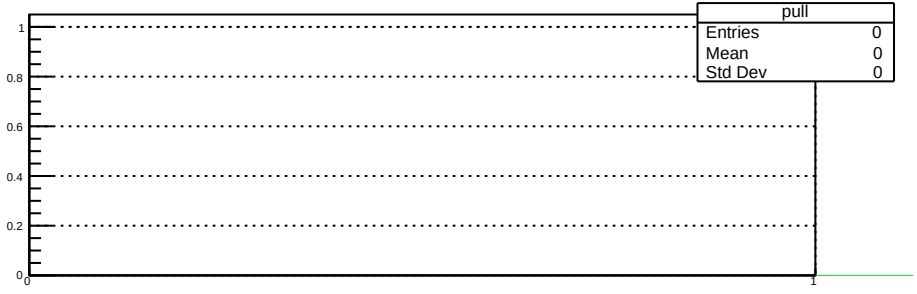
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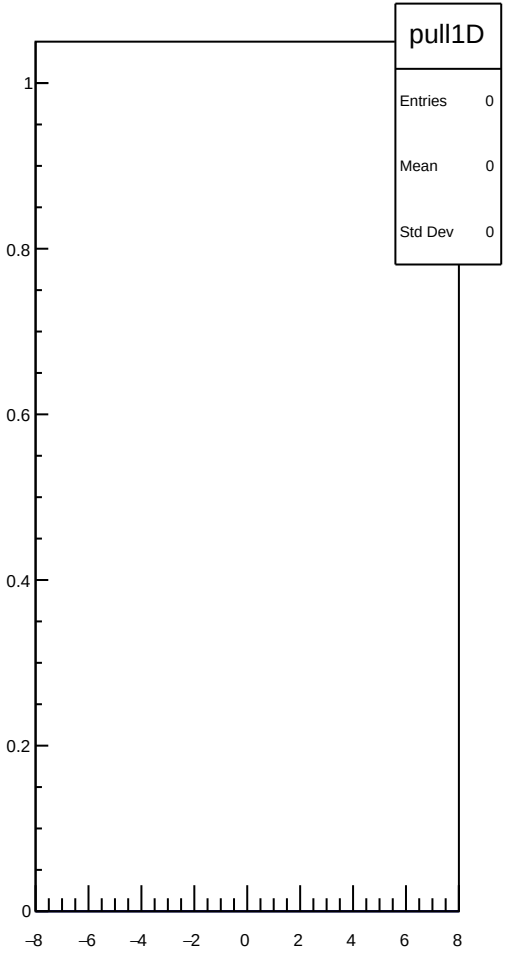
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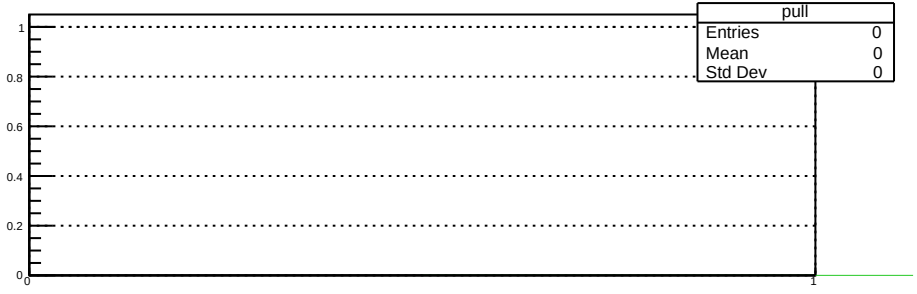
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Std Dev 0
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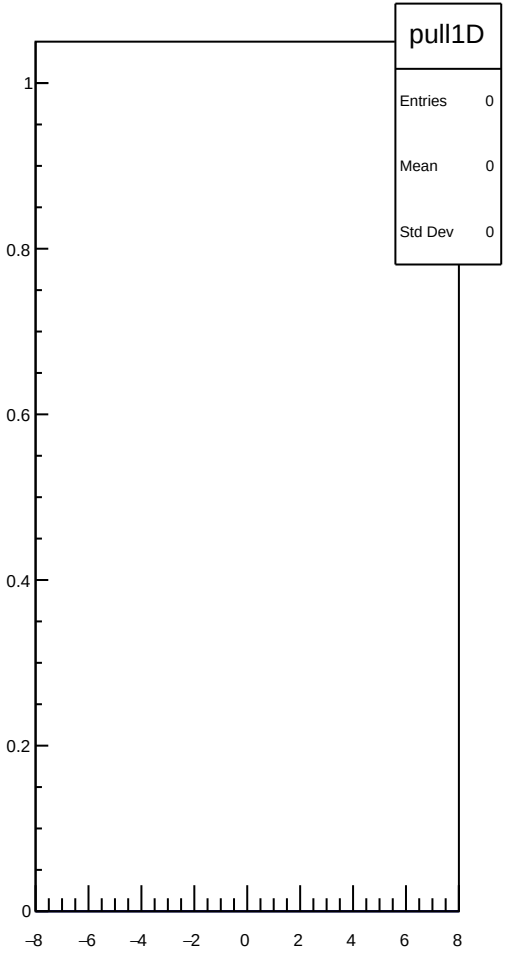
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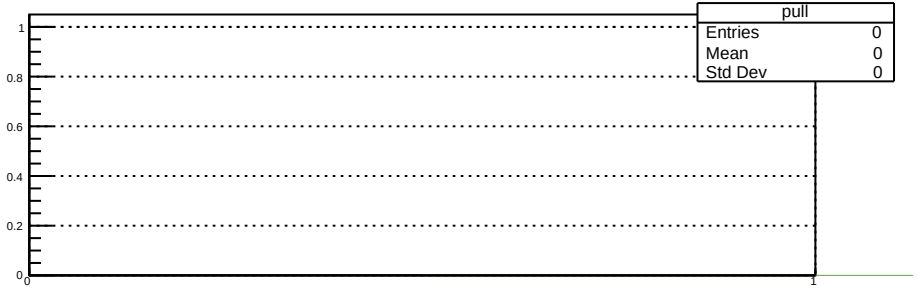
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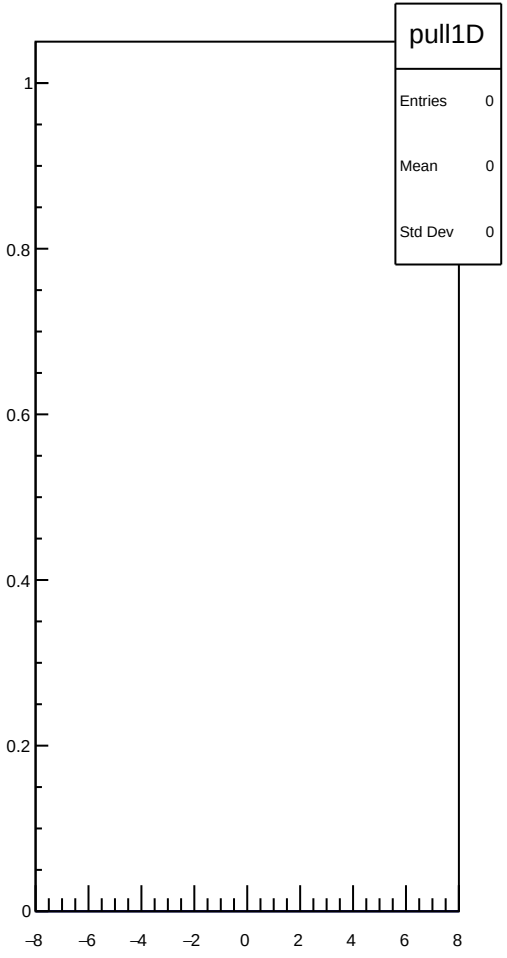
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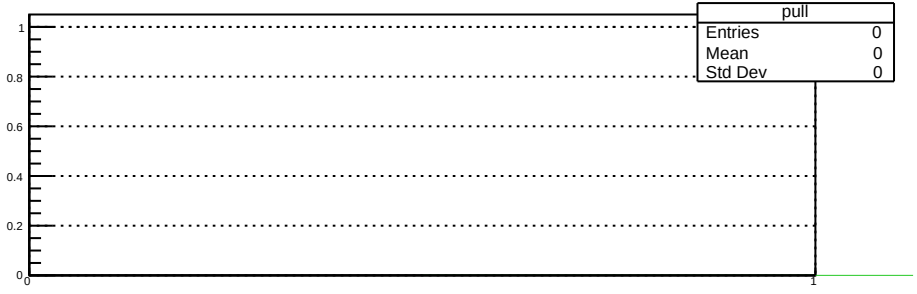
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Std Dev 0
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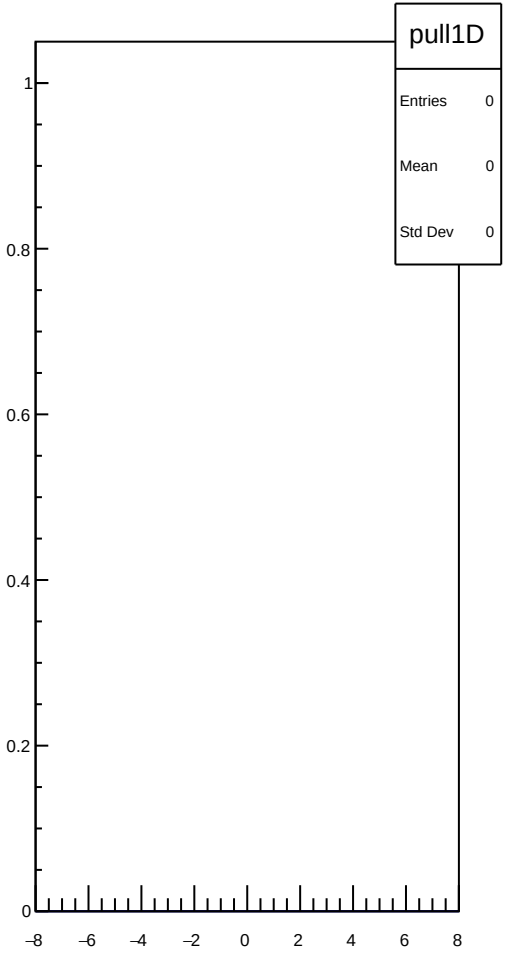
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Std Dev 0
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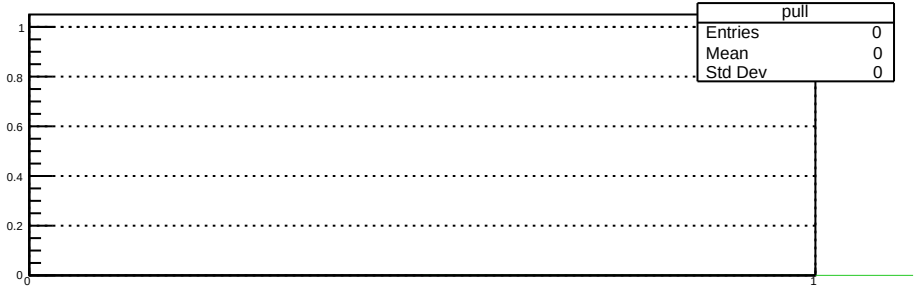
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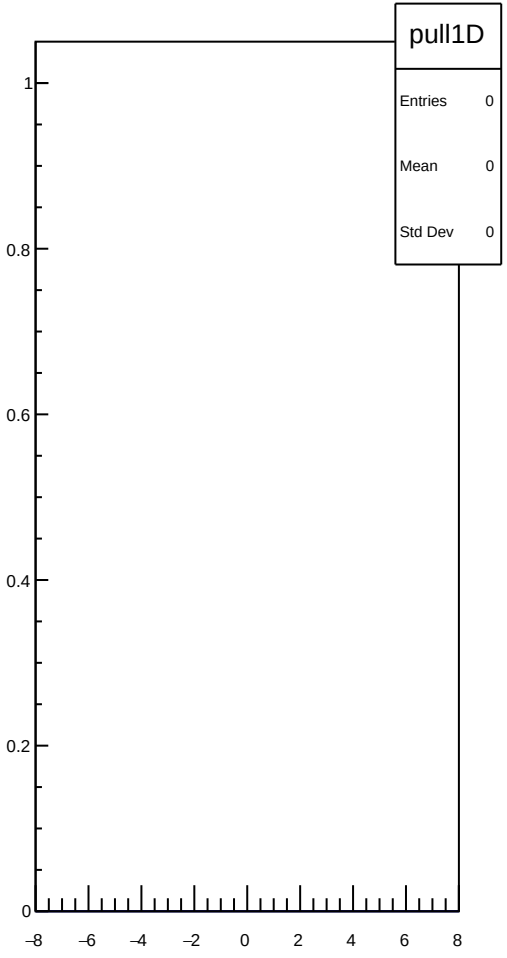
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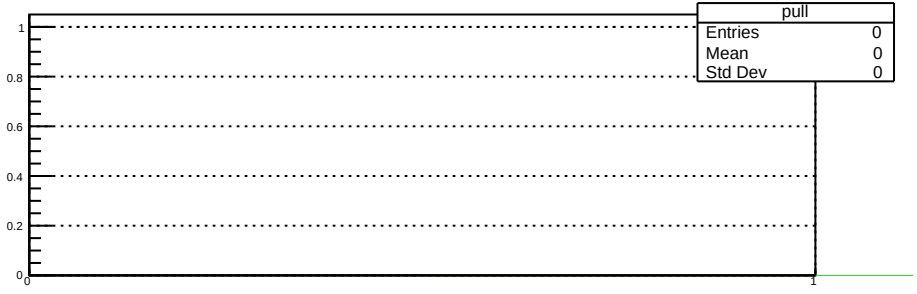
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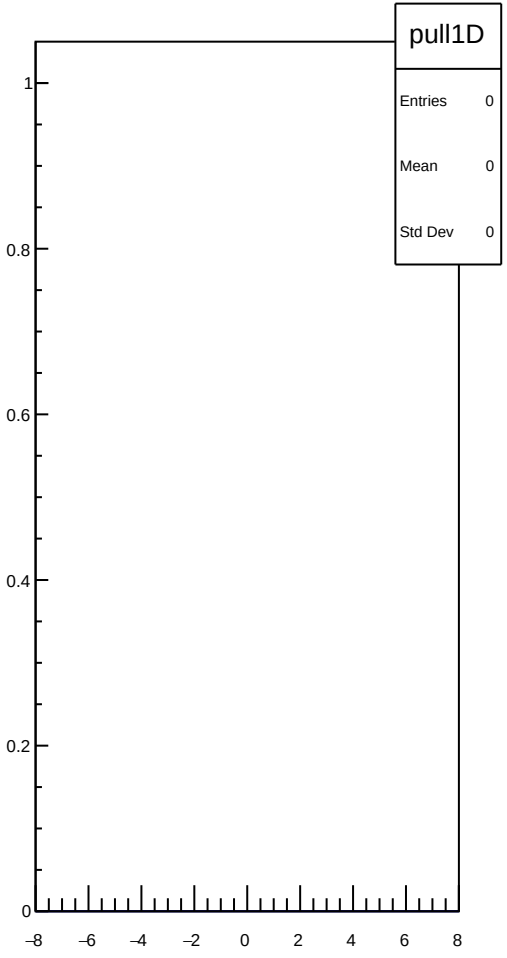
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Std Dev 0
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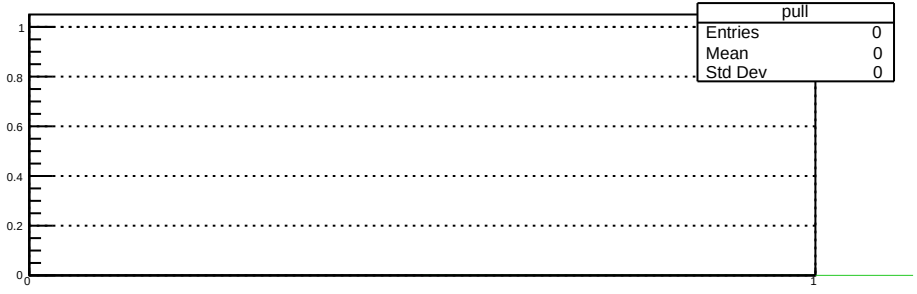
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Std Dev 0
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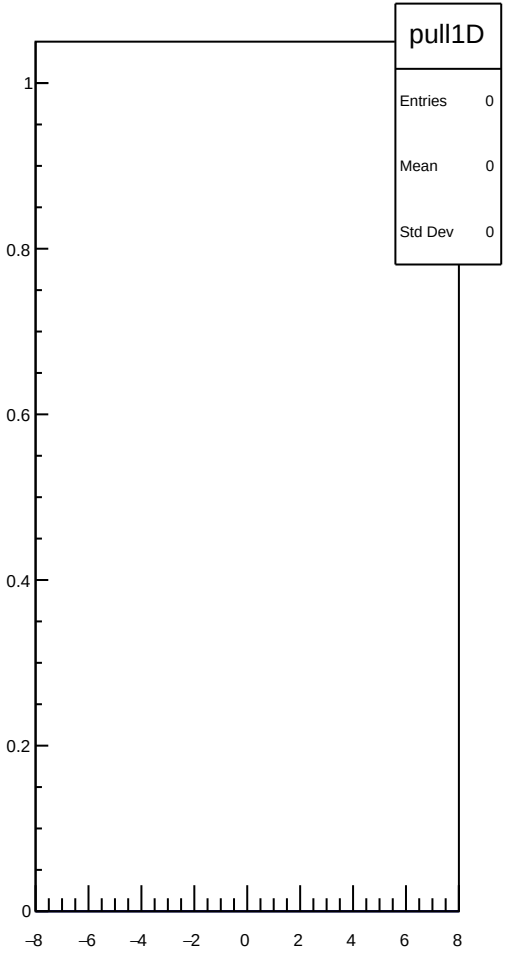
pull1D
Entries 0
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Std Dev 0
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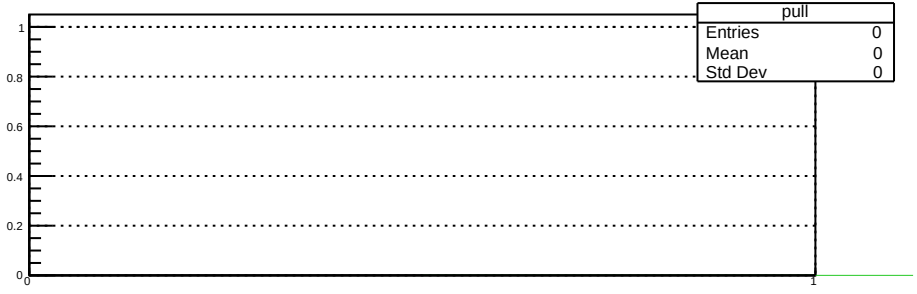
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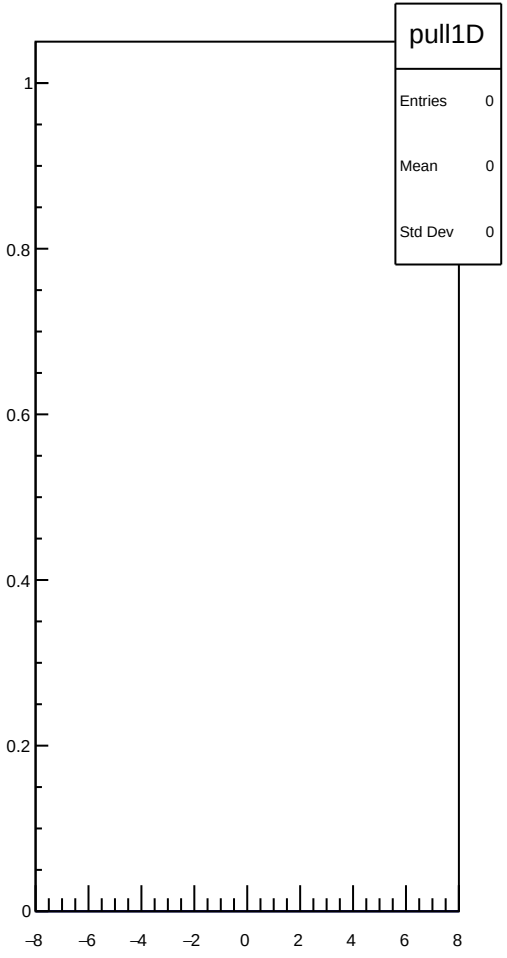
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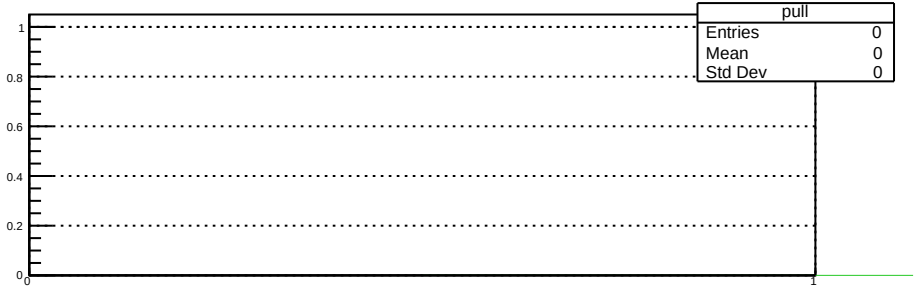
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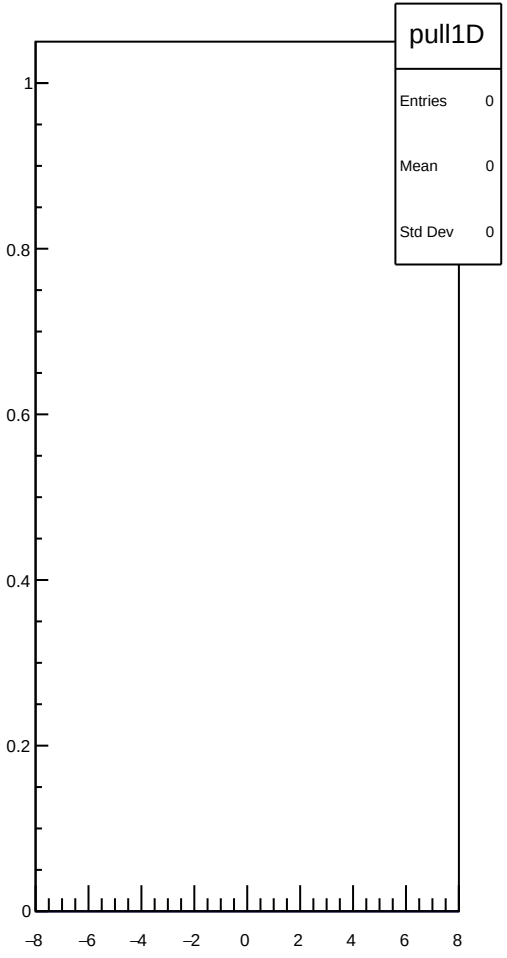
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Mean 0
Std Dev 0
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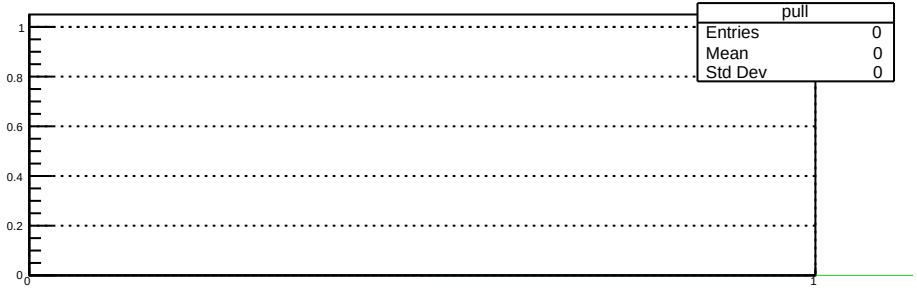
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Mean 0
Std Dev 0
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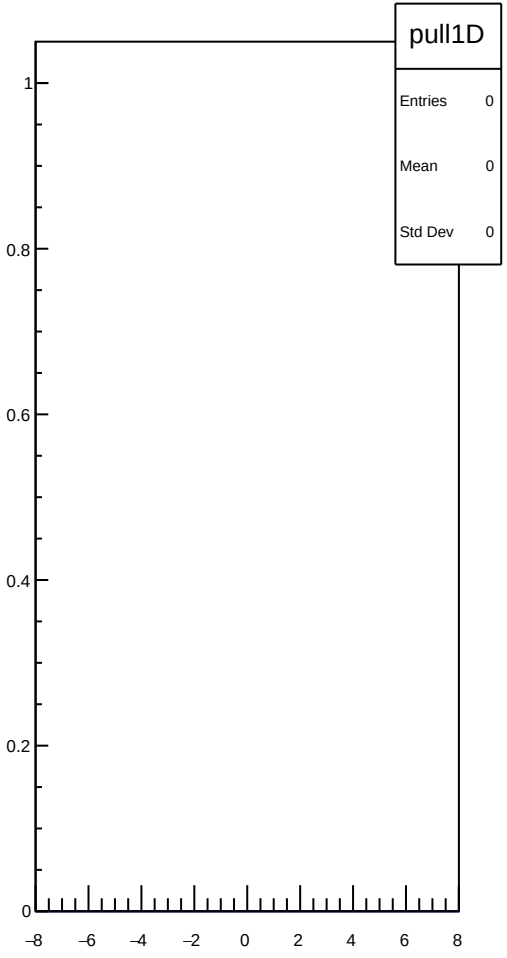
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Entries 0
Mean 0
Std Dev 0
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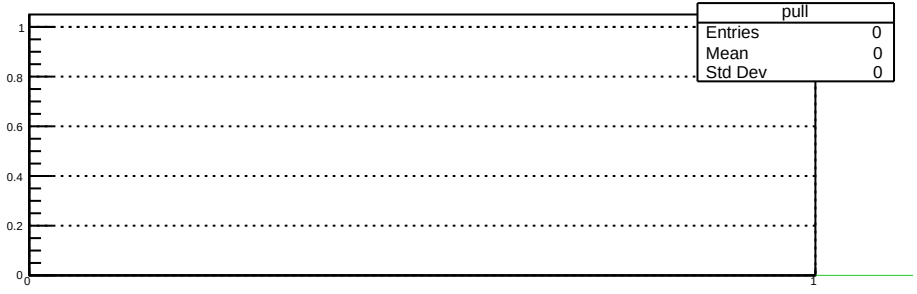
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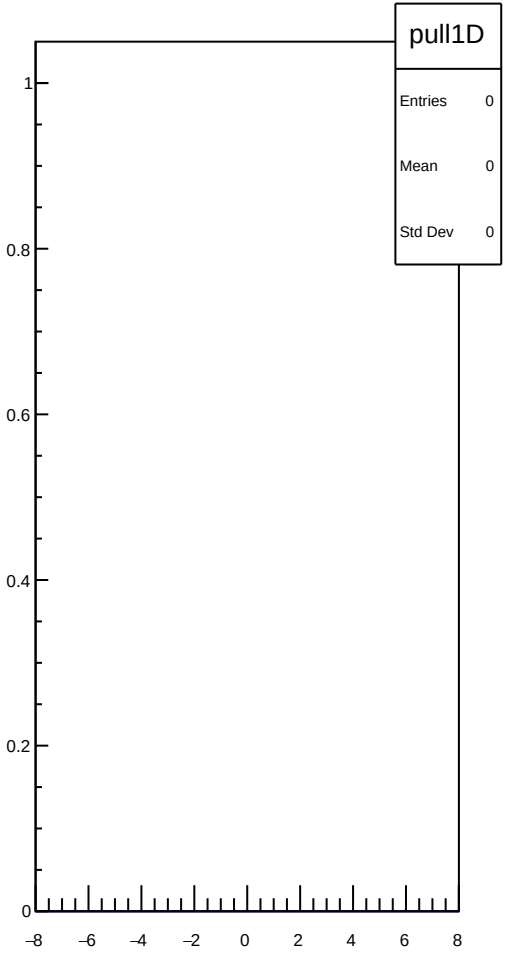
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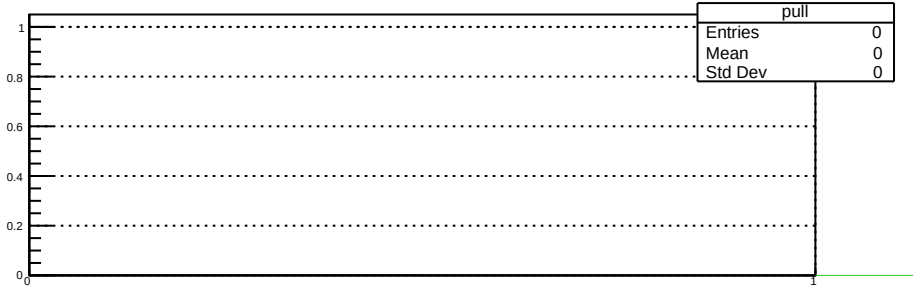
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Std Dev 0
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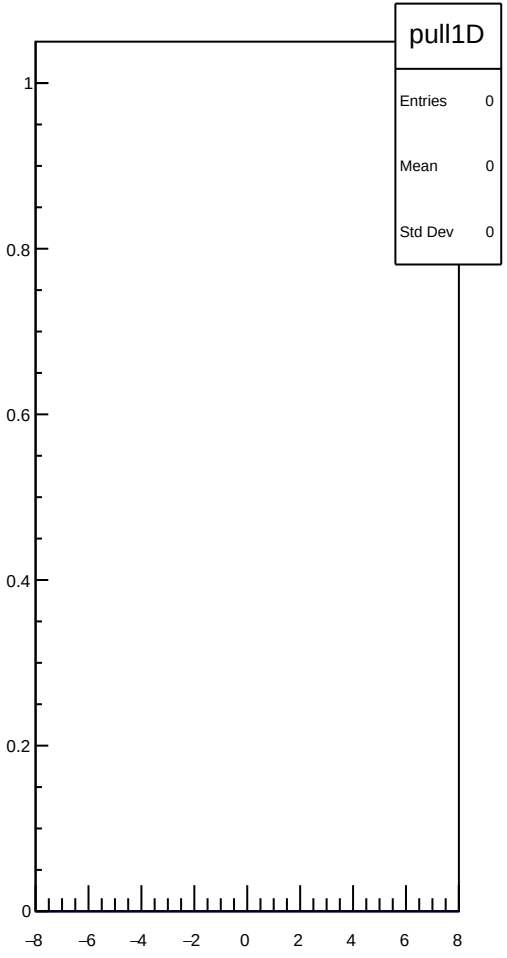
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Entries 0
Mean 0
Std Dev 0
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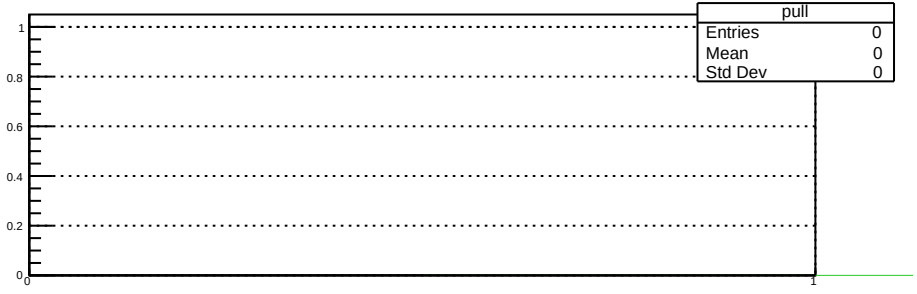
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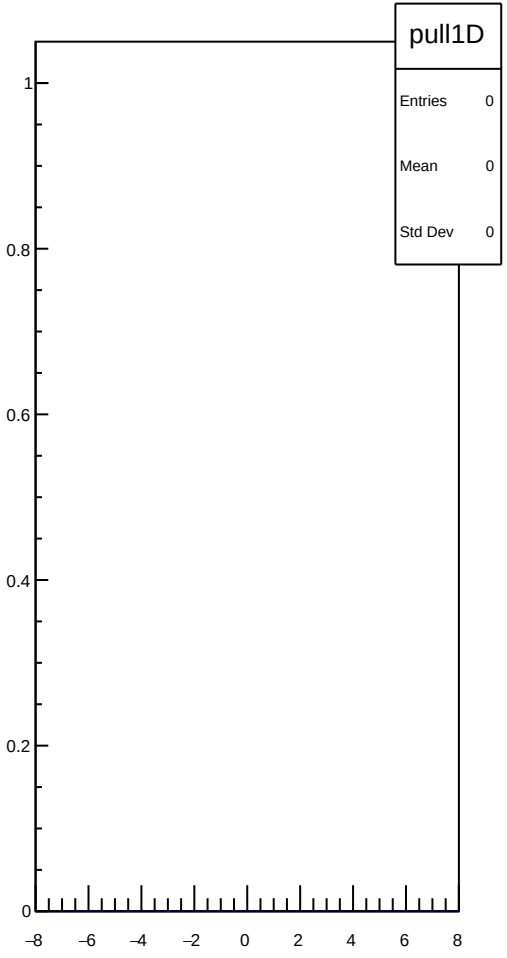
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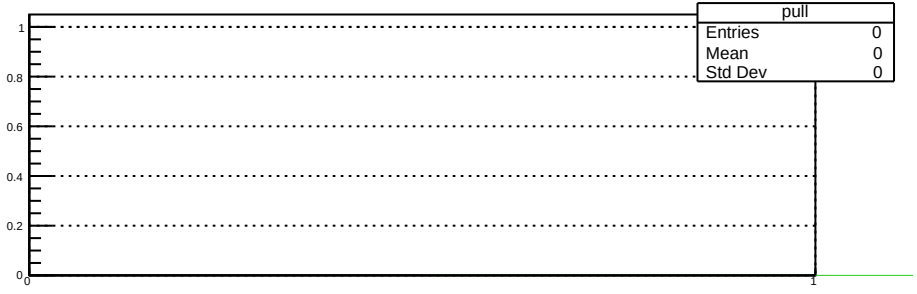
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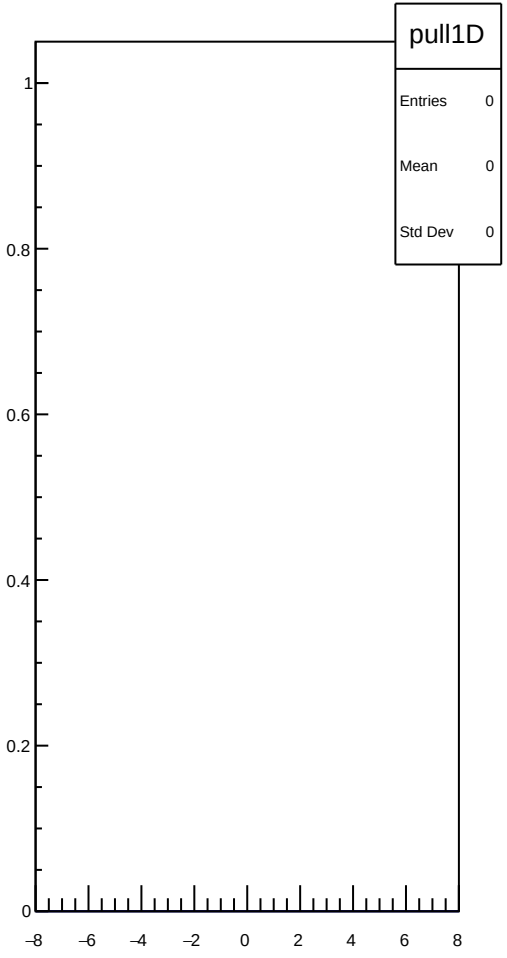
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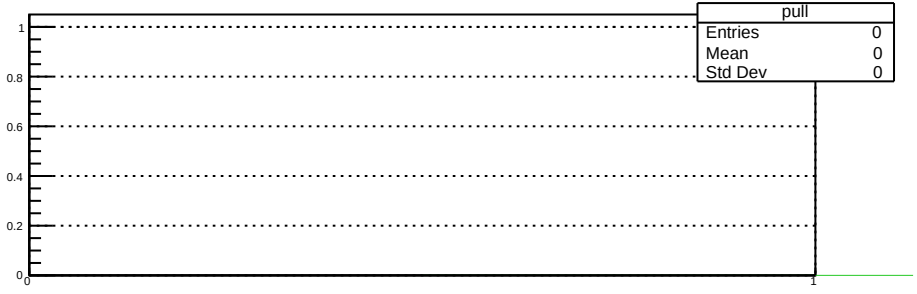
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Std Dev 0
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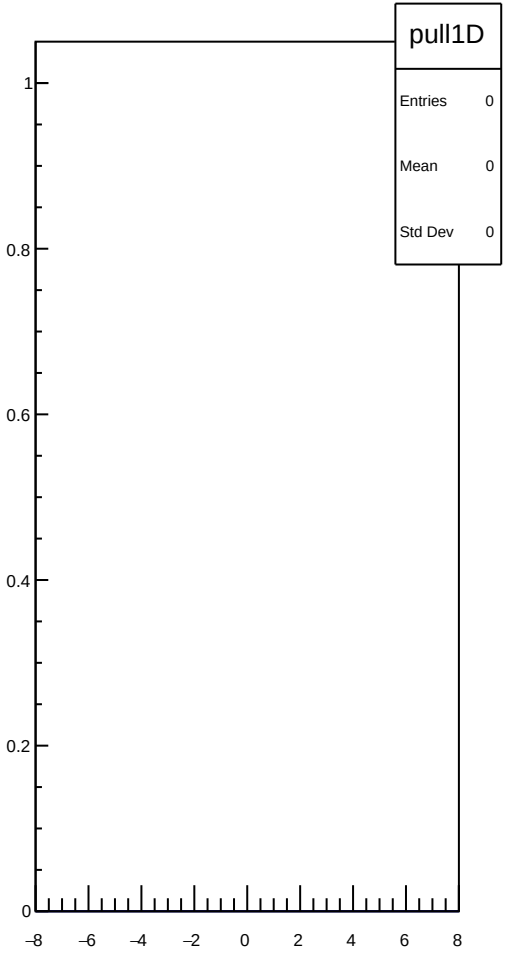
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Std Dev 0
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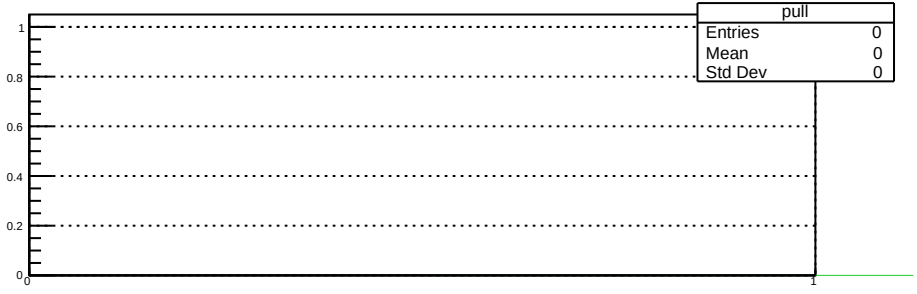
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Std Dev 0
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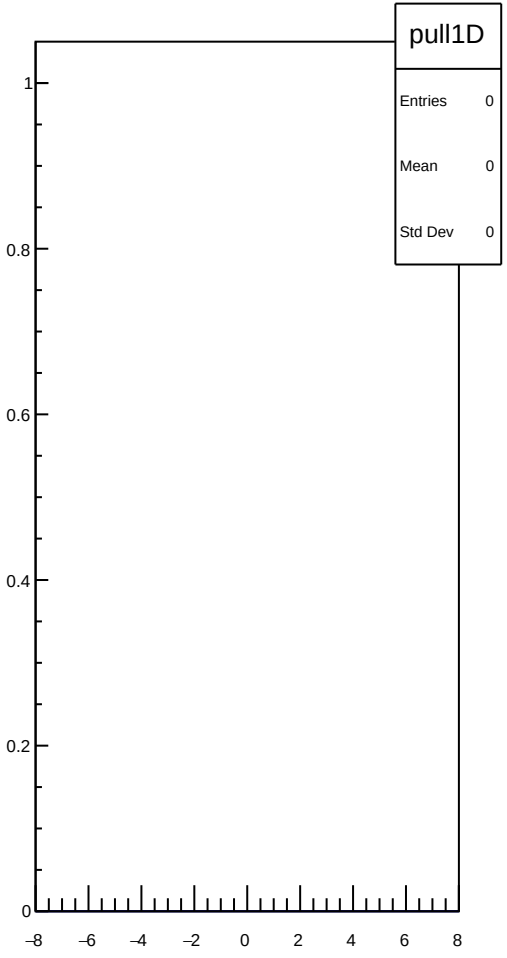
pull1D
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Std Dev 0
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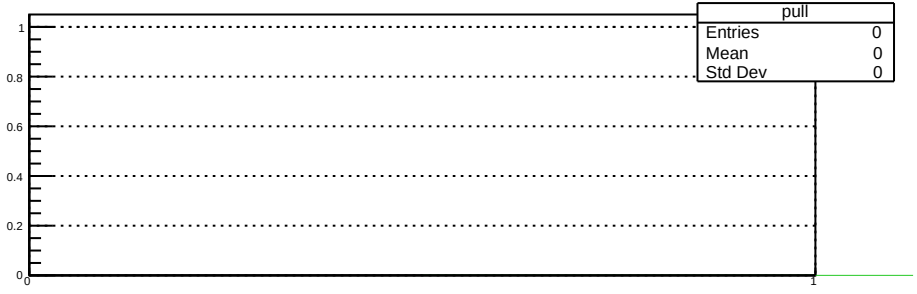
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Std Dev 0
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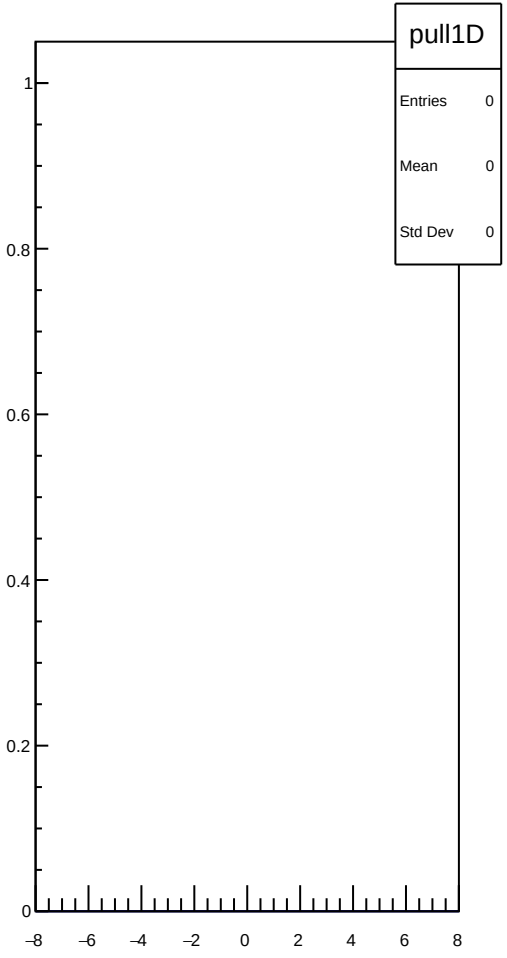
pull1D
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Mean 0
Std Dev 0
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6
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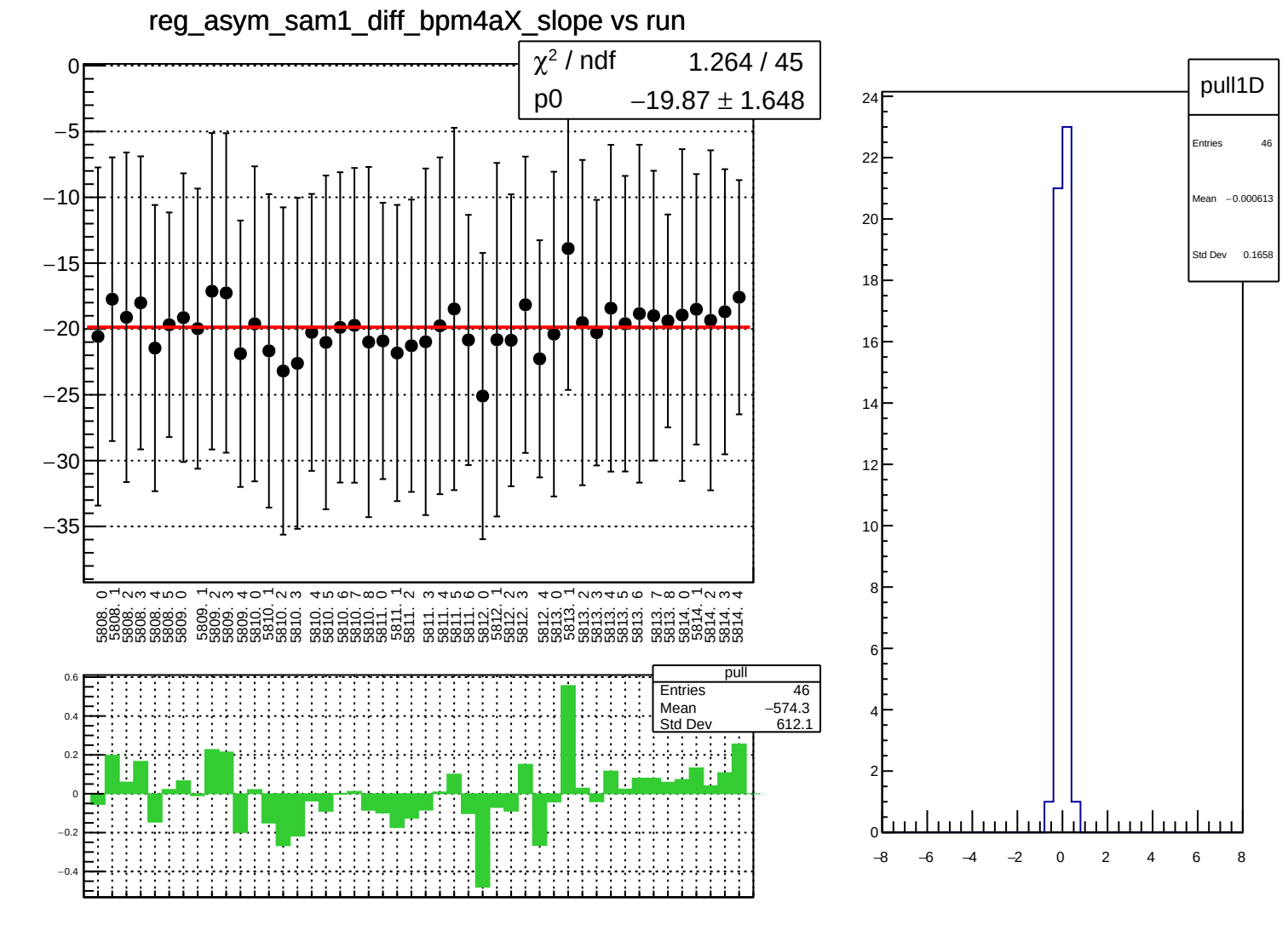
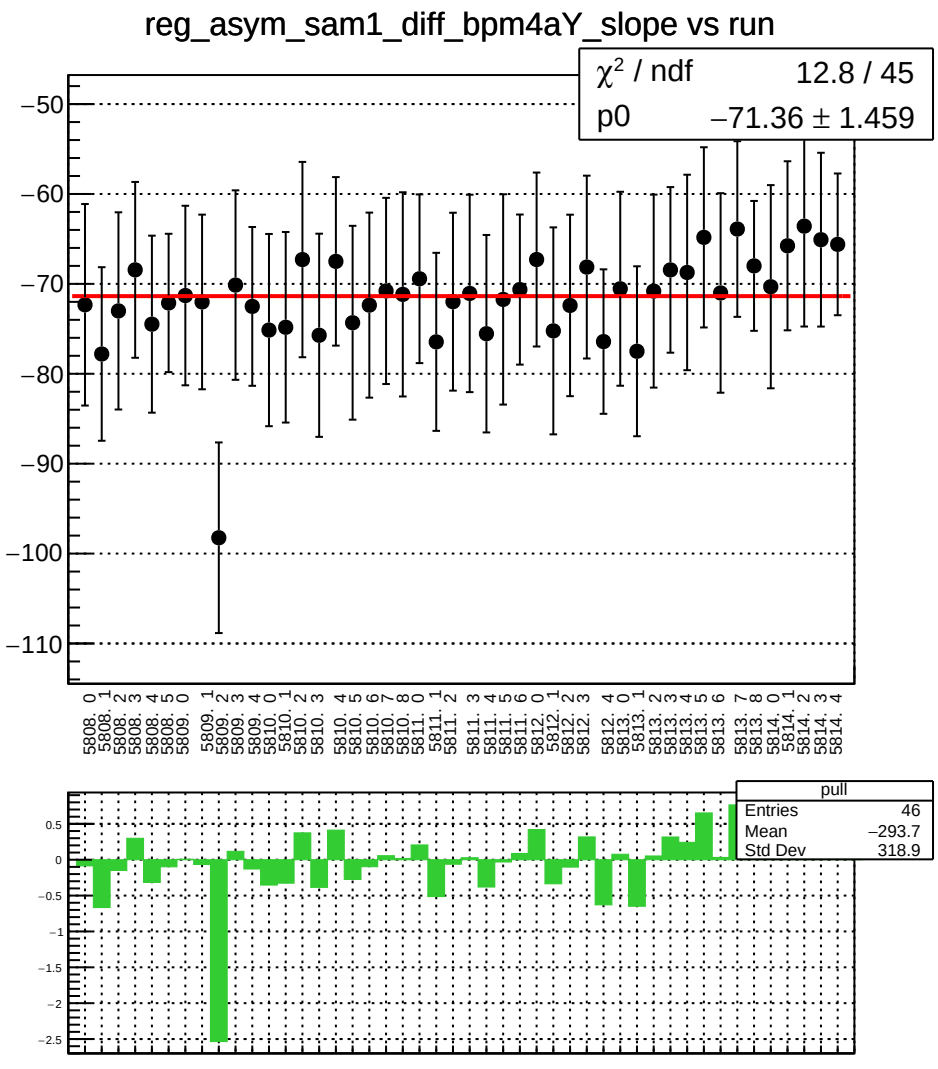

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 1.264 / 45
p0 −19.87 ± 1.648
pull
Entries 46
Mean −574.3
Std Dev 612.1
pull1D
Entries 46
Mean −0.000613
Std Dev 0.1658


reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 12.8 / 45
p0 −71.36 ± 1.459
−50
−60
−70
−80
−90
−100
−110
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −293.7
Std Dev 318.9
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.01042
Std Dev 0.5273
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14
12
10
8
6
4
2
0
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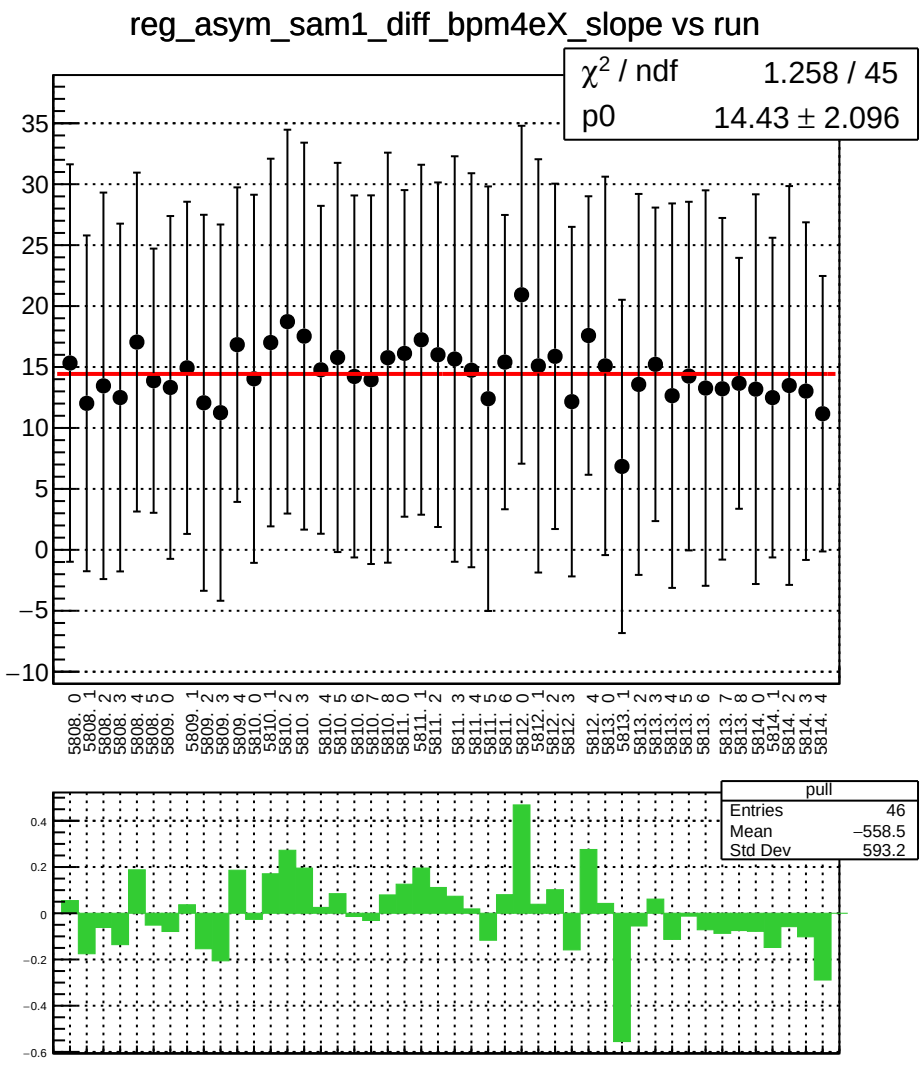
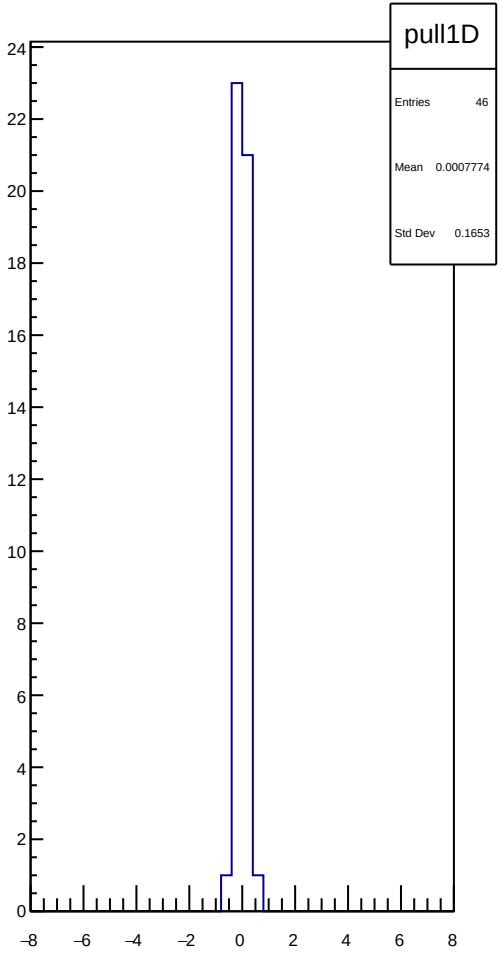
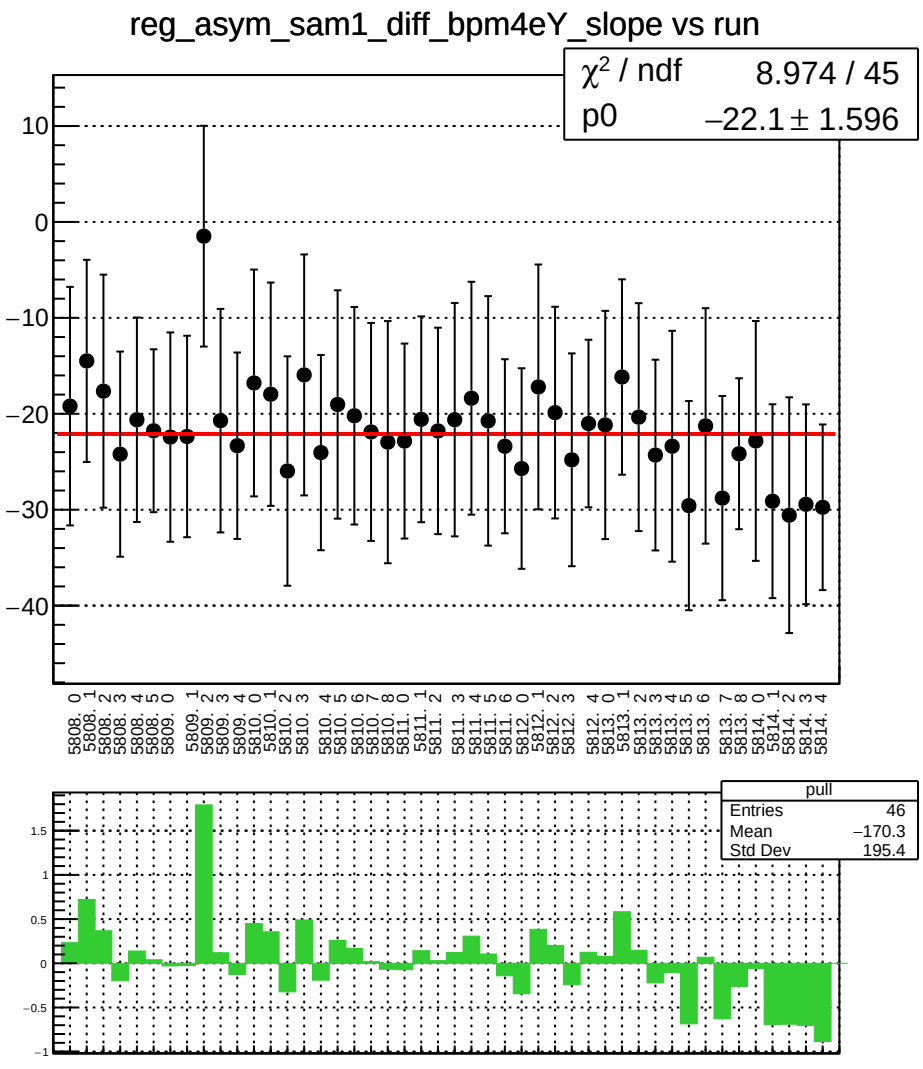
−6
−4
−2
0
2
4
6
8


reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.258 / 45
p0 14.43 ± 2.096
pull
Entries 46
Mean −558.5
Std Dev 593.2


pull1D
Entries 46
Mean 0.0007774
Std Dev 0.1653


reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 8.974 / 45
p0 −22.1 ± 1.596
10
0
−10
−20
−30
−40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
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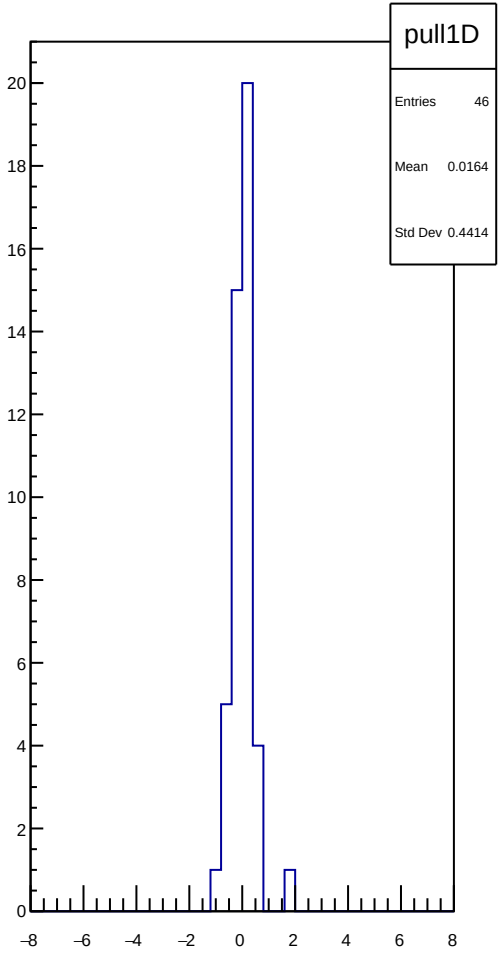
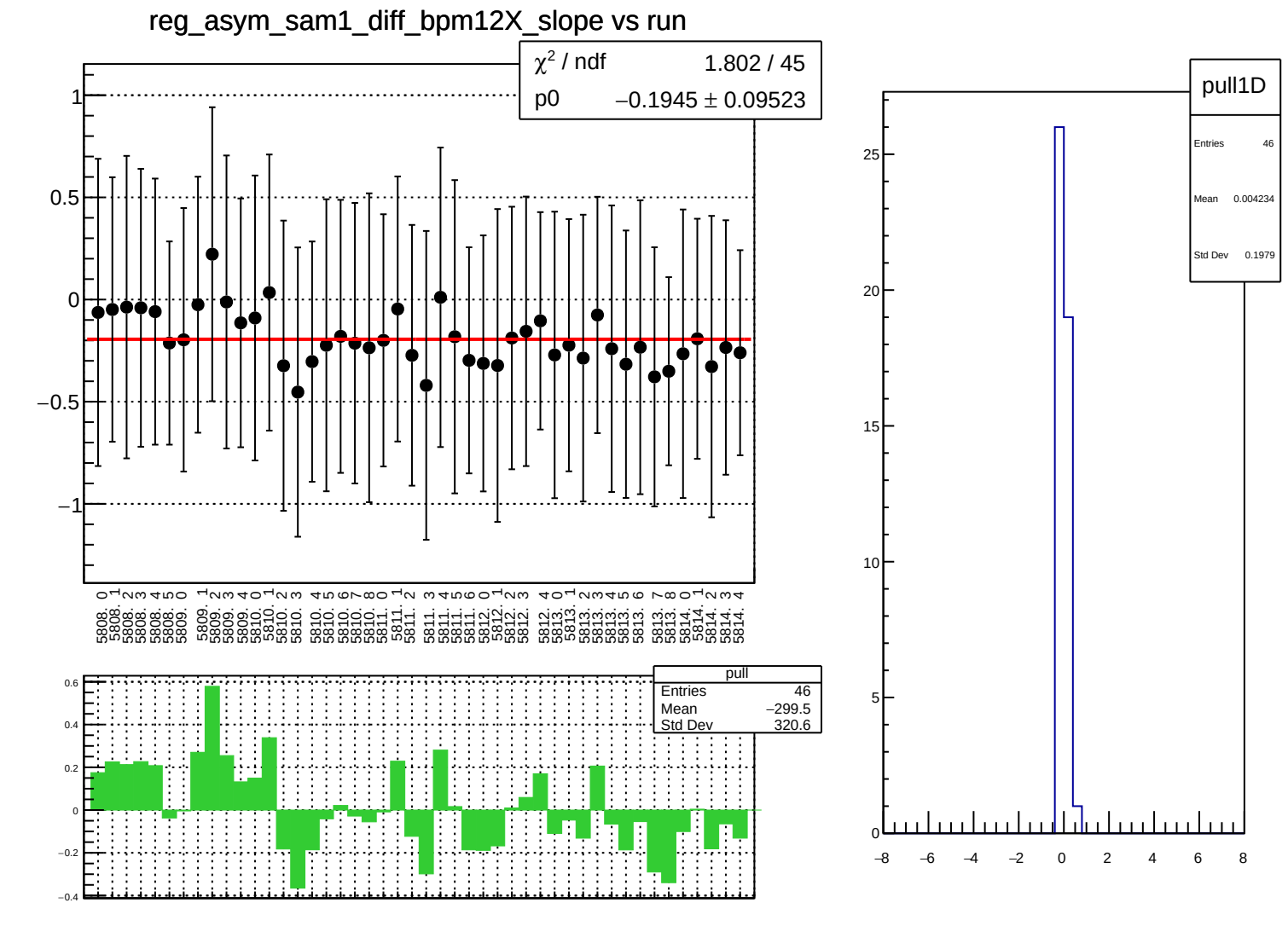
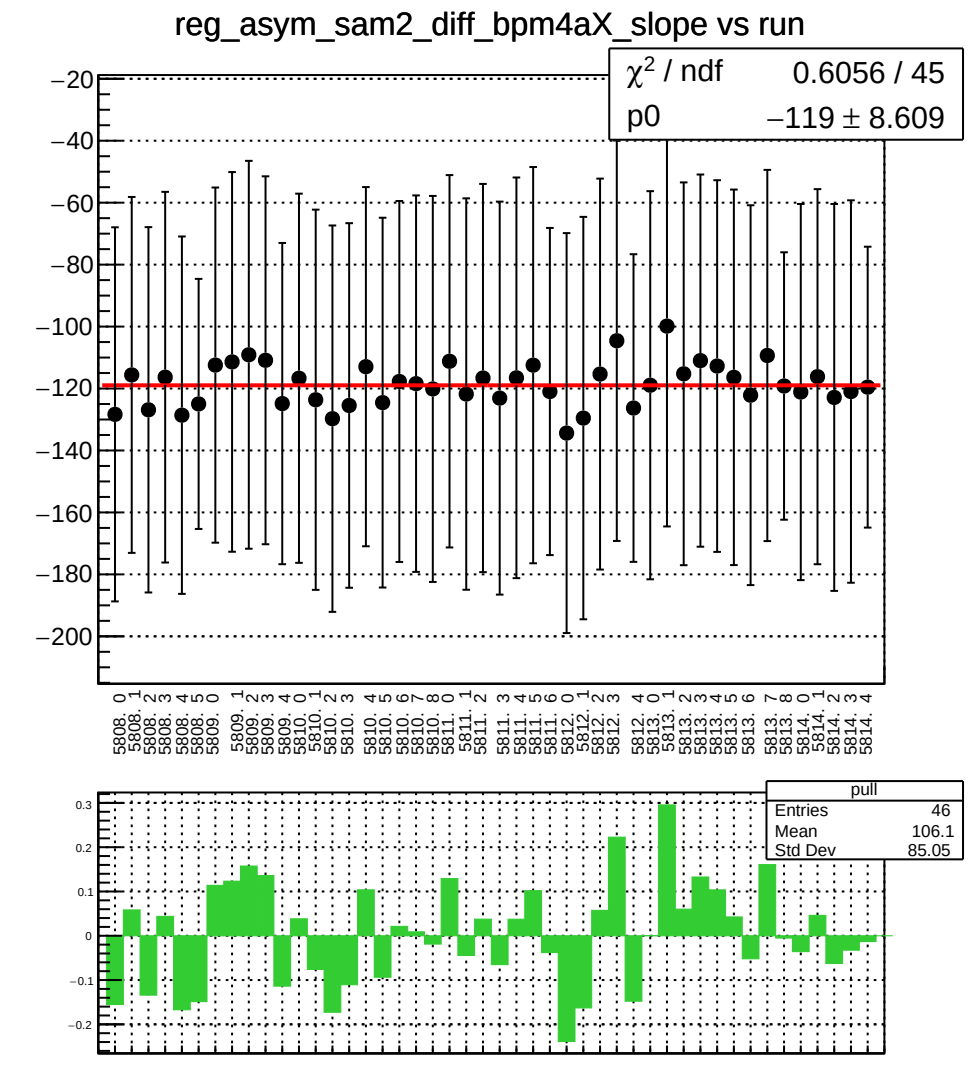
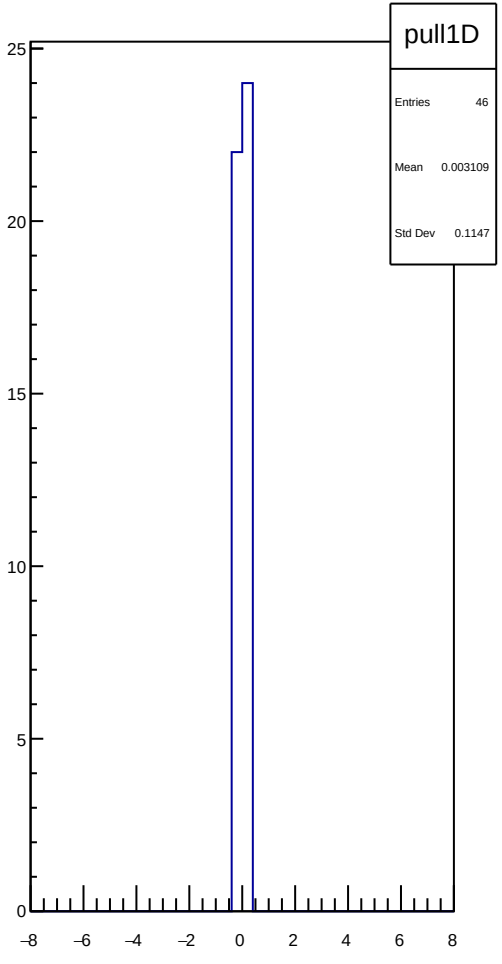
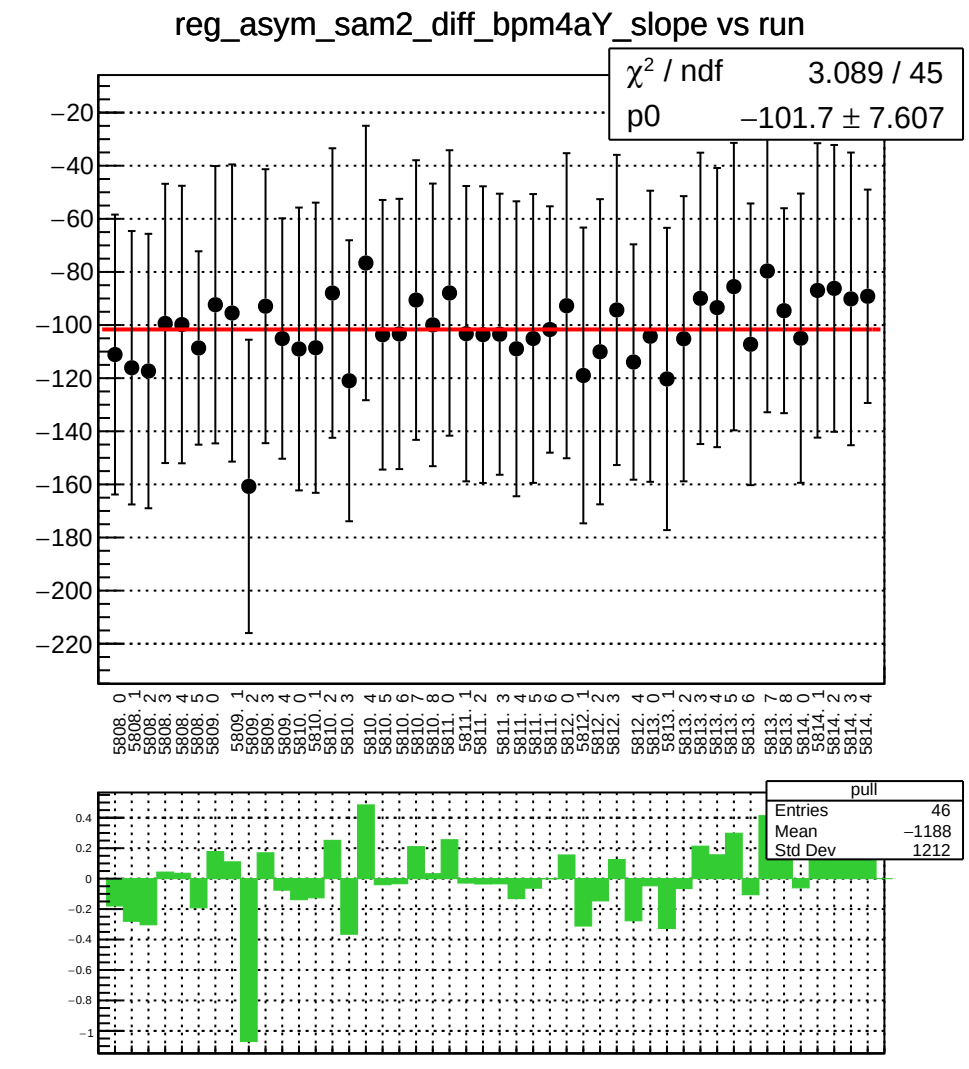
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −170.3
Std Dev 195.4
1.5
1
0.5
0
−0.5
−1

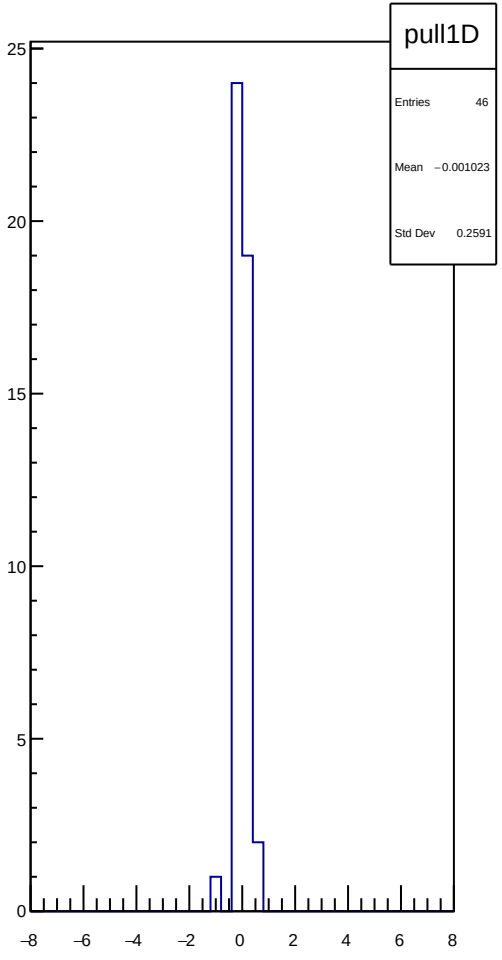

pull1D
Entries 46
Mean 0.0164
Std Dev 0.4414
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

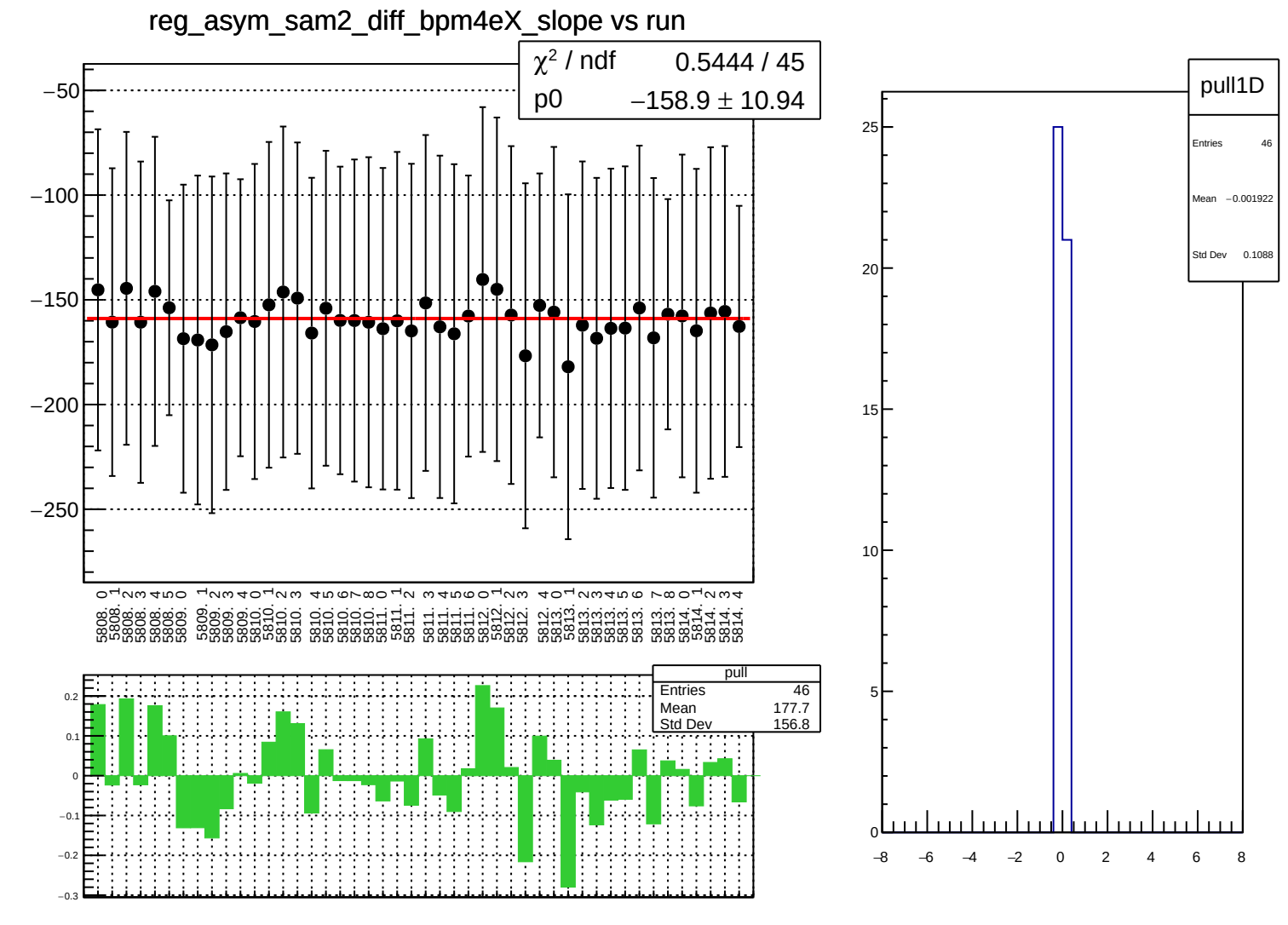

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 1.802 / 45
p0 −0.1945 ± 0.09523
pull
Entries 46
Mean −299.5
Std Dev 320.6
pull1D
Entries 46
Mean 0.004234
Std Dev 0.1979

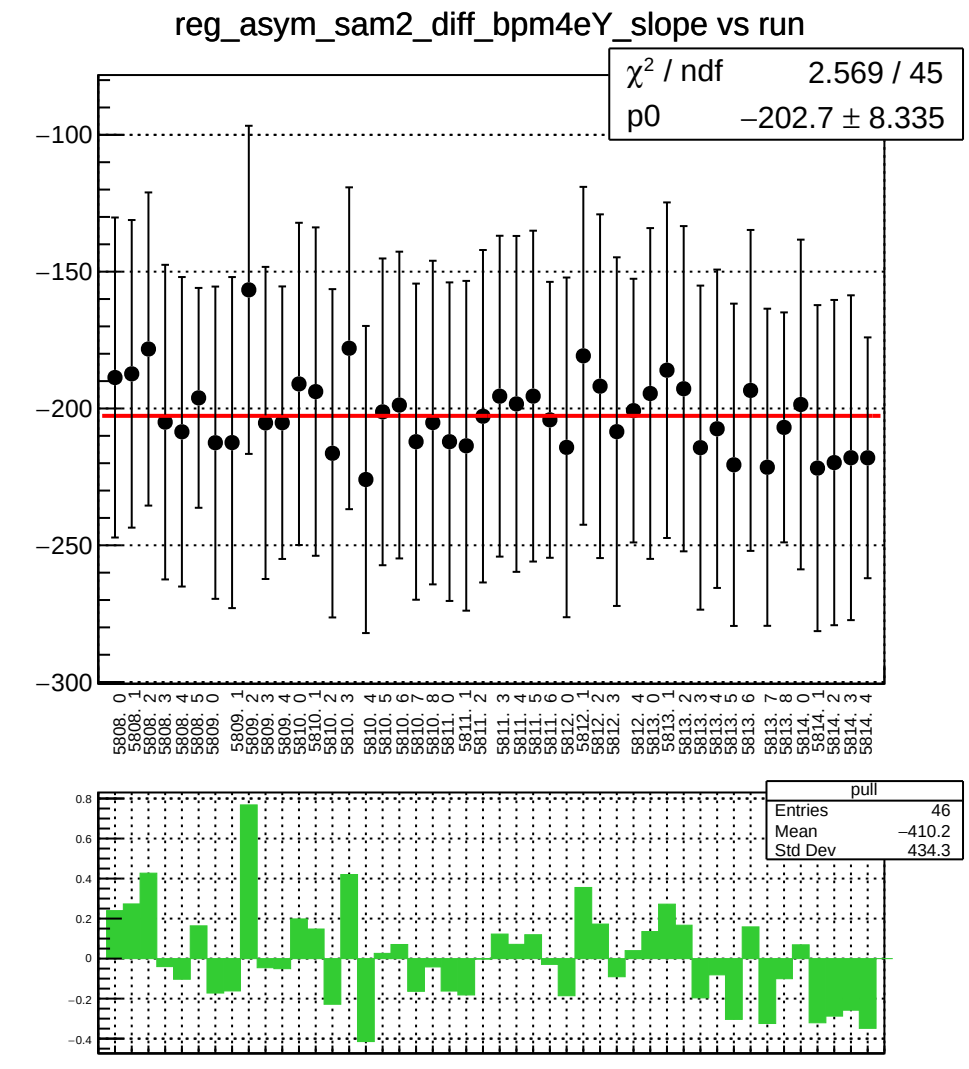

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 0.6056 / 45
p0 −119 ± 8.609
pull
Entries 46
Mean 106.1
Std Dev 85.05

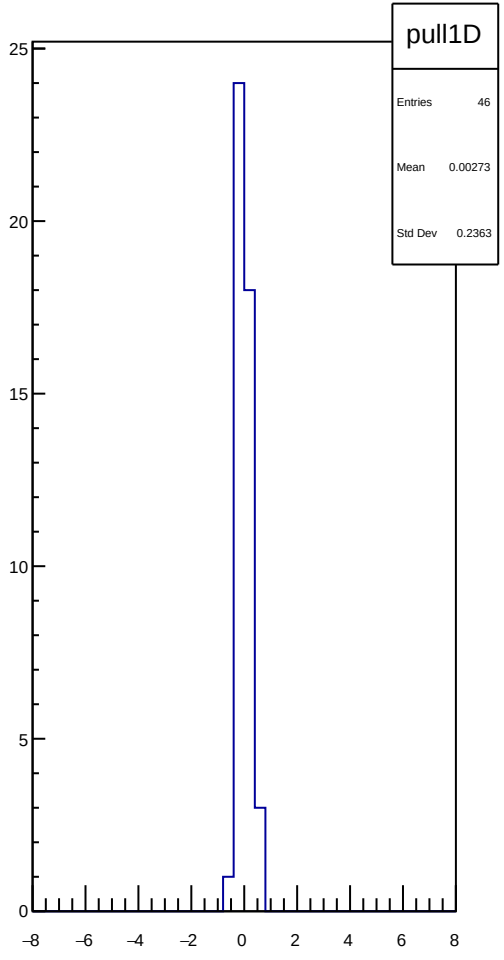

pull1D
Entries 46
Mean 0.003109
Std Dev 0.1147

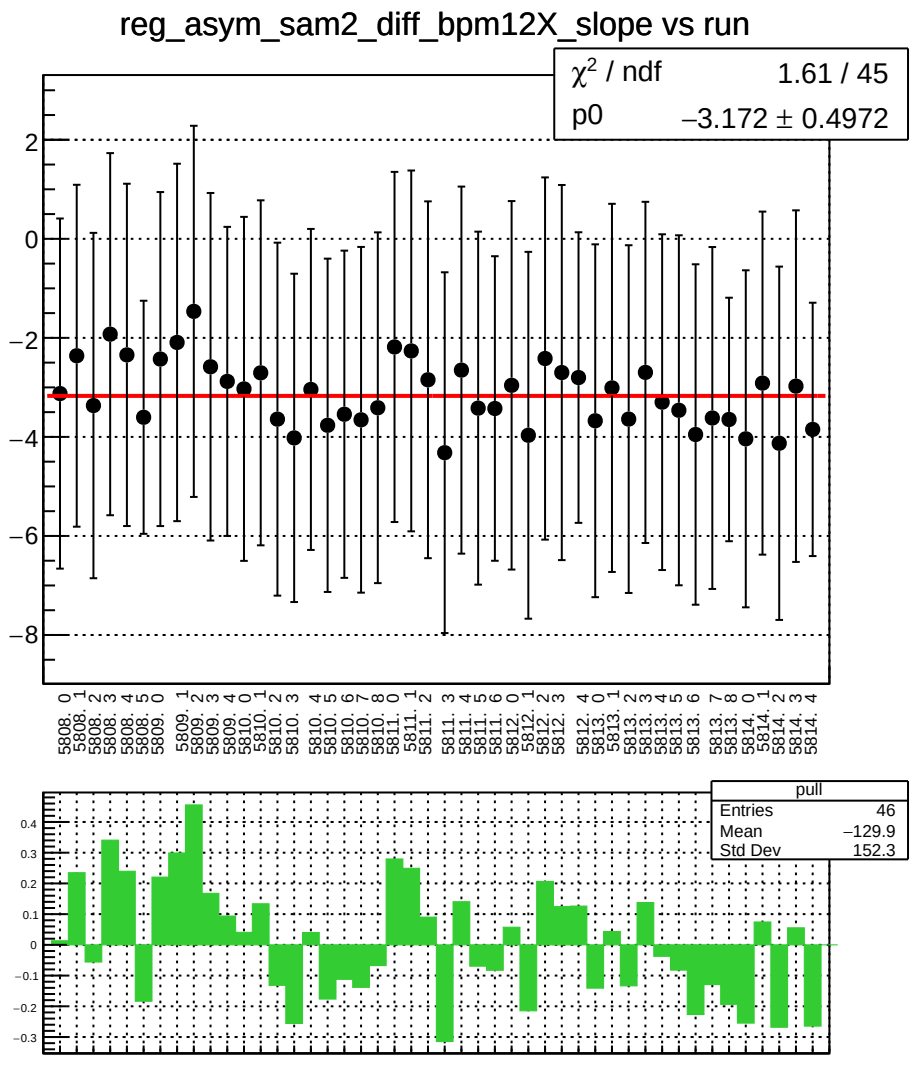

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 3.089 / 45
p0 −101.7 ± 7.607
pull
Entries 46
Mean −1188
Std Dev 1212

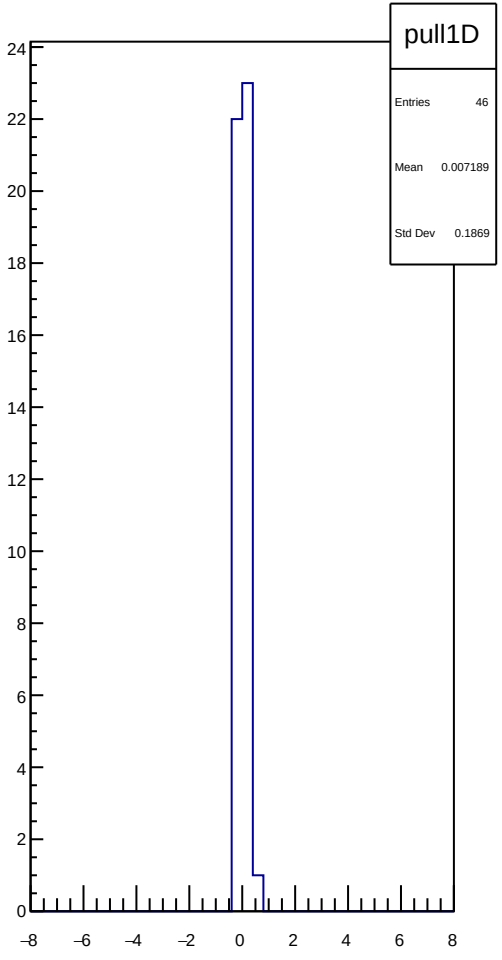

pull1D
Entries 46
Mean −0.001023
Std Dev 0.2591

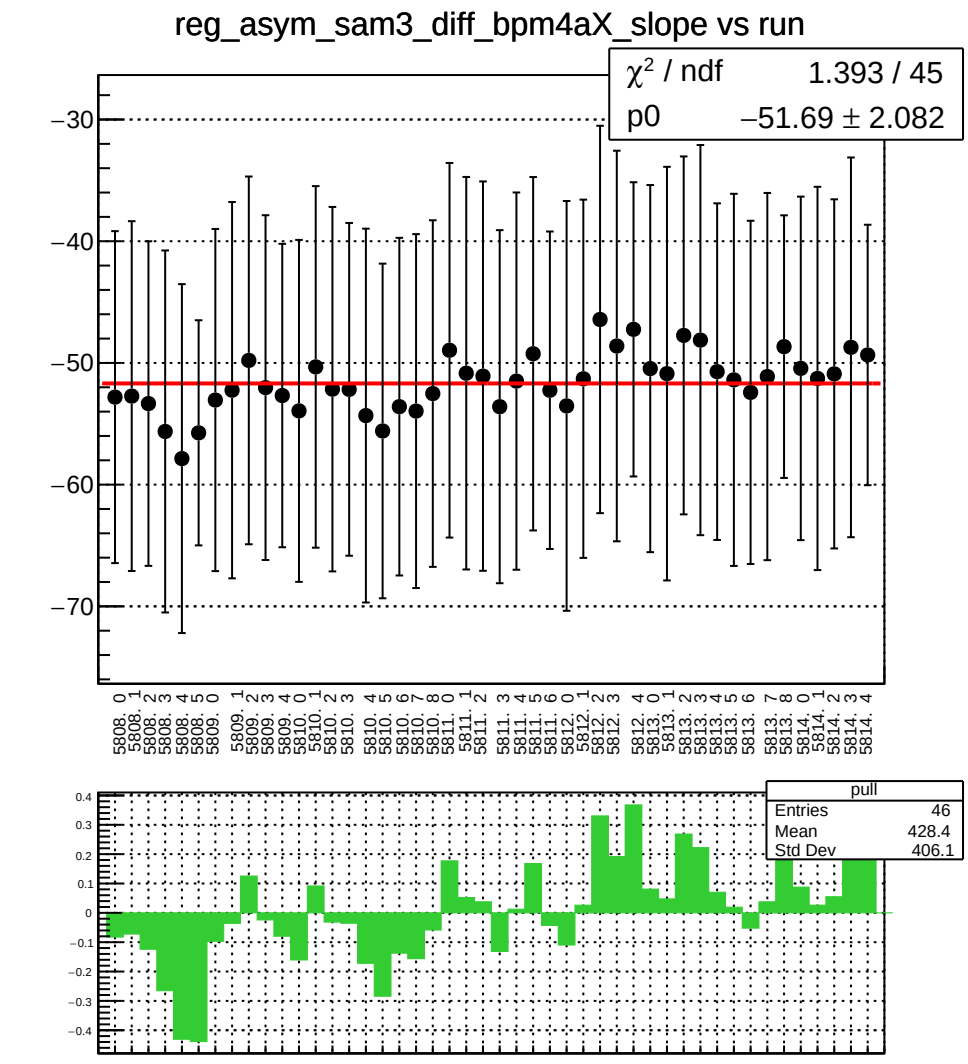

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.5444 / 45
p0 −158.9 ± 10.94
−50
−100
−150
−200
−250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 177.7
Std Dev 156.8
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 46
Mean −0.001922
Std Dev 0.1088
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

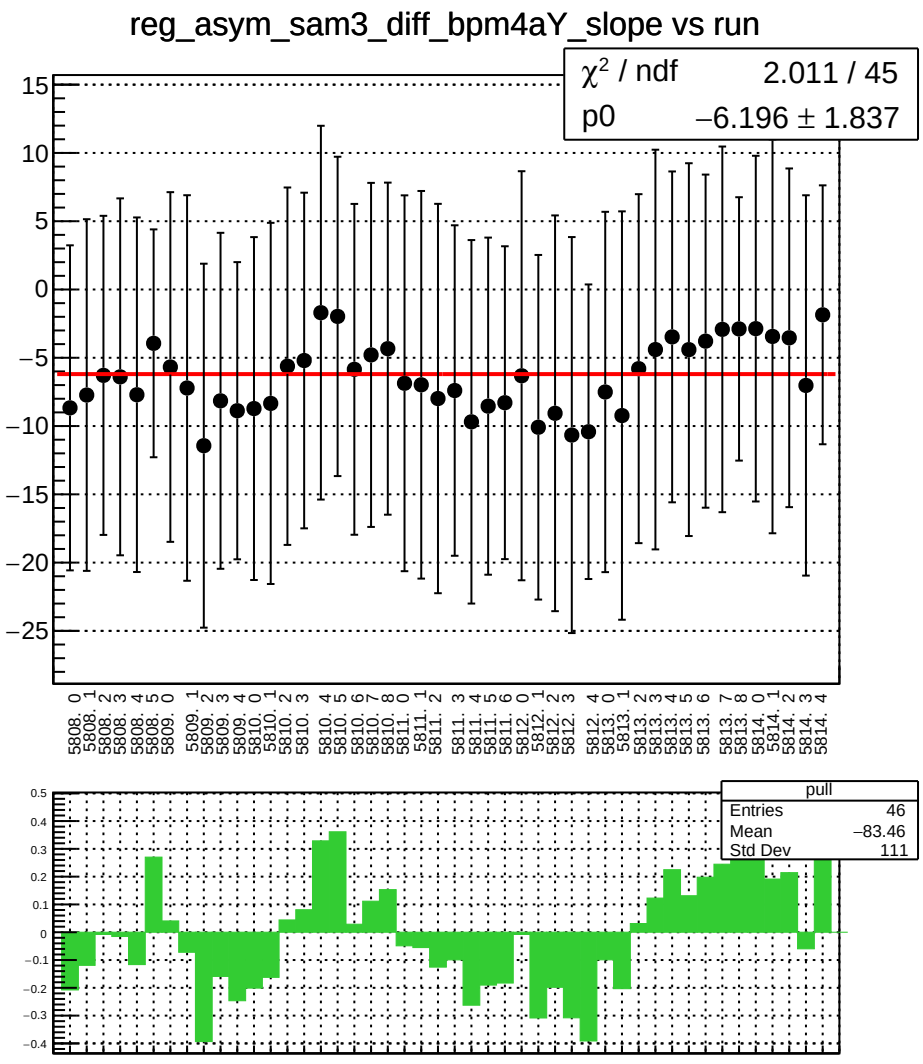

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 2.569 / 45
p0 −202.7 ± 8.335
−100
−150
−200
−250
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −410.2
Std Dev 434.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4

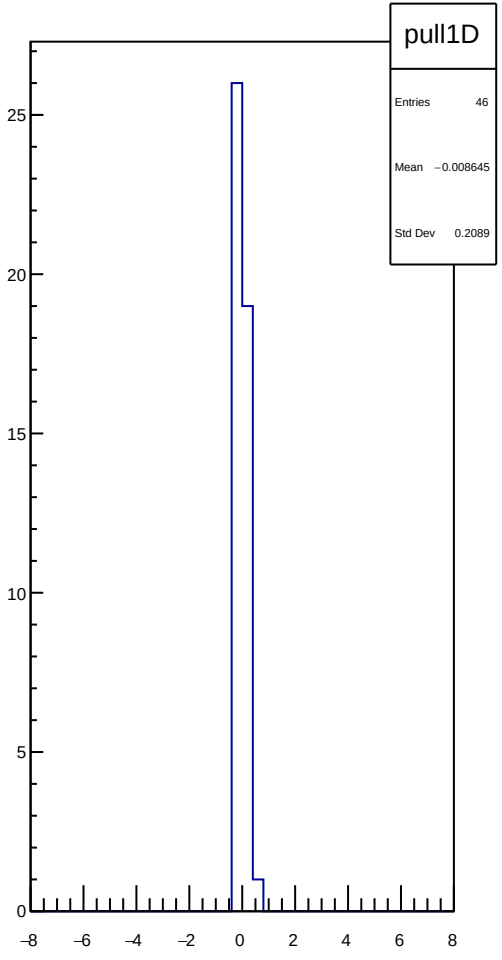

pull1D
Entries 46
Mean 0.00273
Std Dev 0.2363
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

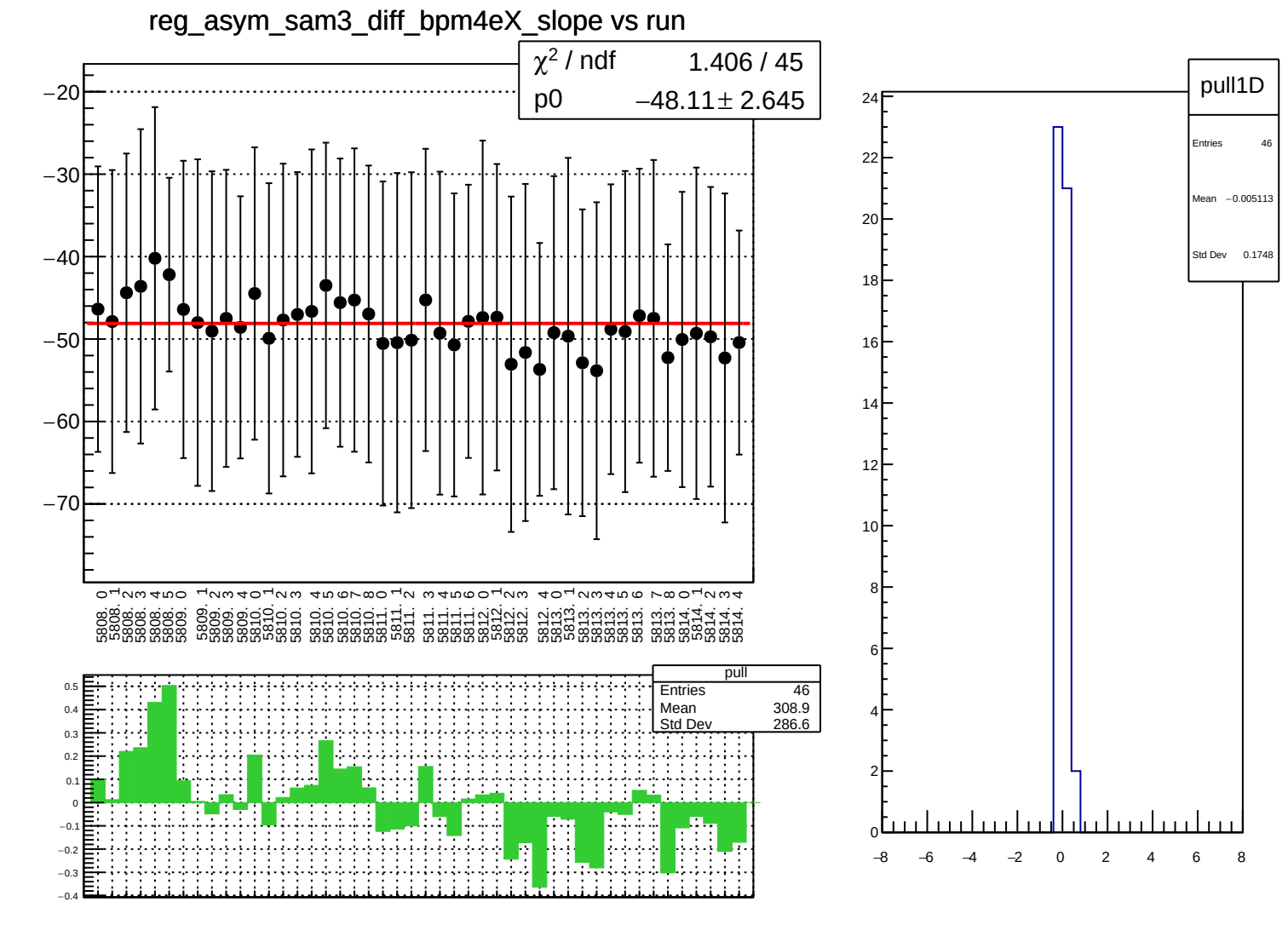

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.61 / 45
p0 −3.172 ± 0.4972
pull
Entries 46
Mean −129.9
Std Dev 152.3

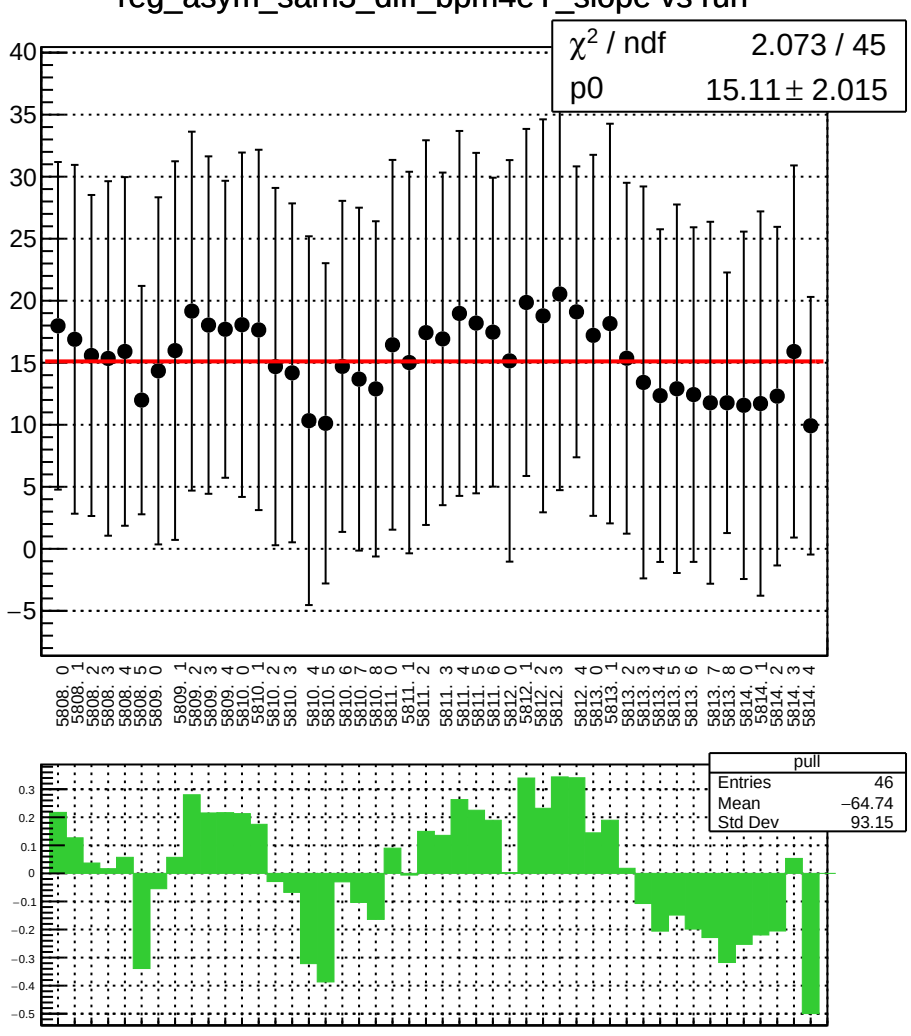

pull1D
Entries 46
Mean 0.007189
Std Dev 0.1869

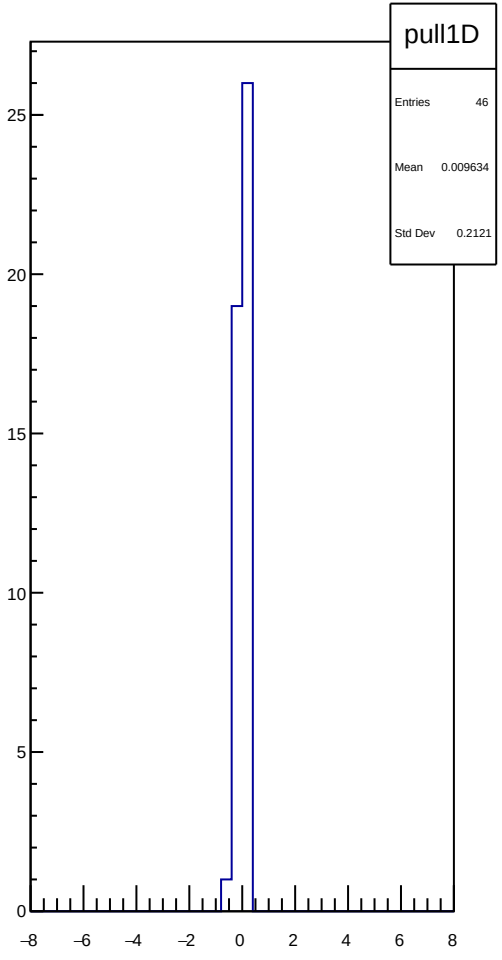

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 1.393 / 45
p0 −51.69 ± 2.082
−30
−40
−50
−60
−70
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 428.4
Std Dev 406.1
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 46
Mean 0.003544
Std Dev 0.174
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

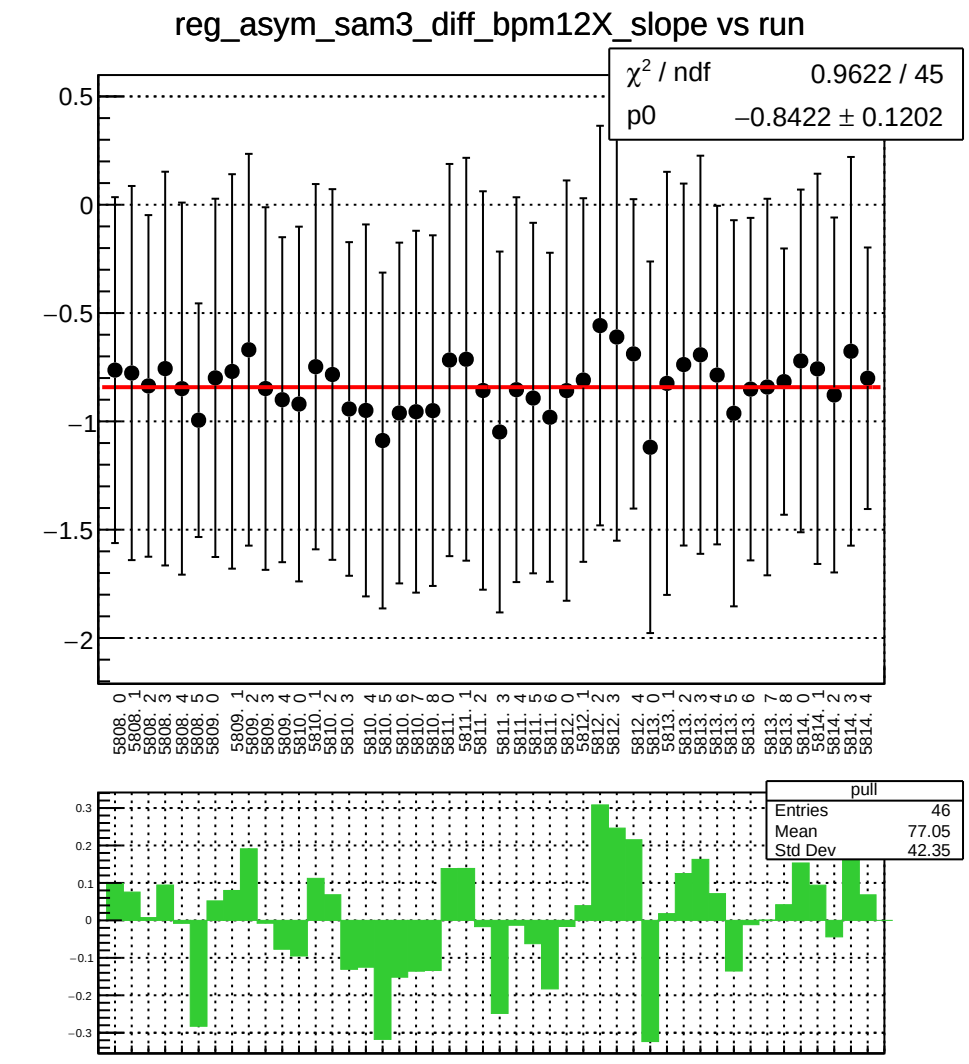

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 2.011 / 45
p0 −6.196 ± 1.837
pull
Entries 46
Mean −83.46
Std Dev 111

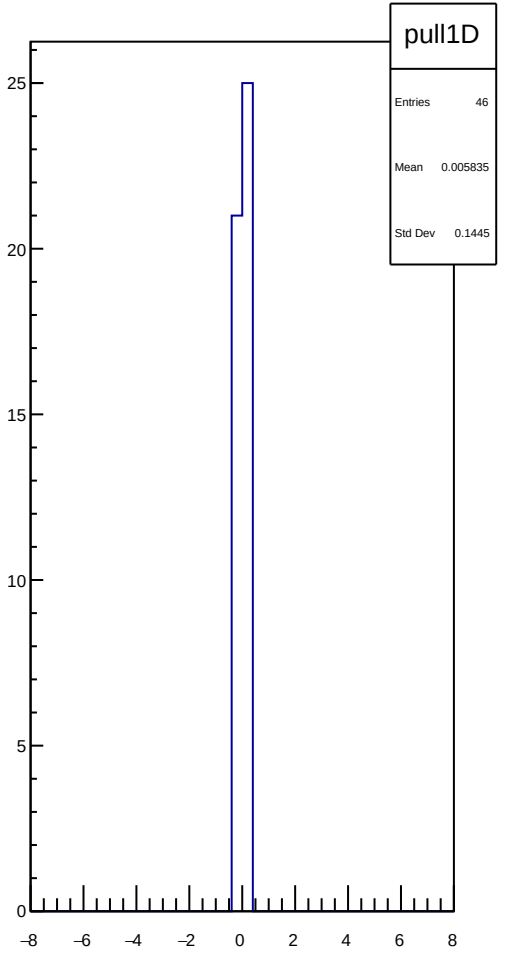

pull1D
Entries 46
Mean −0.008645
Std Dev 0.2089

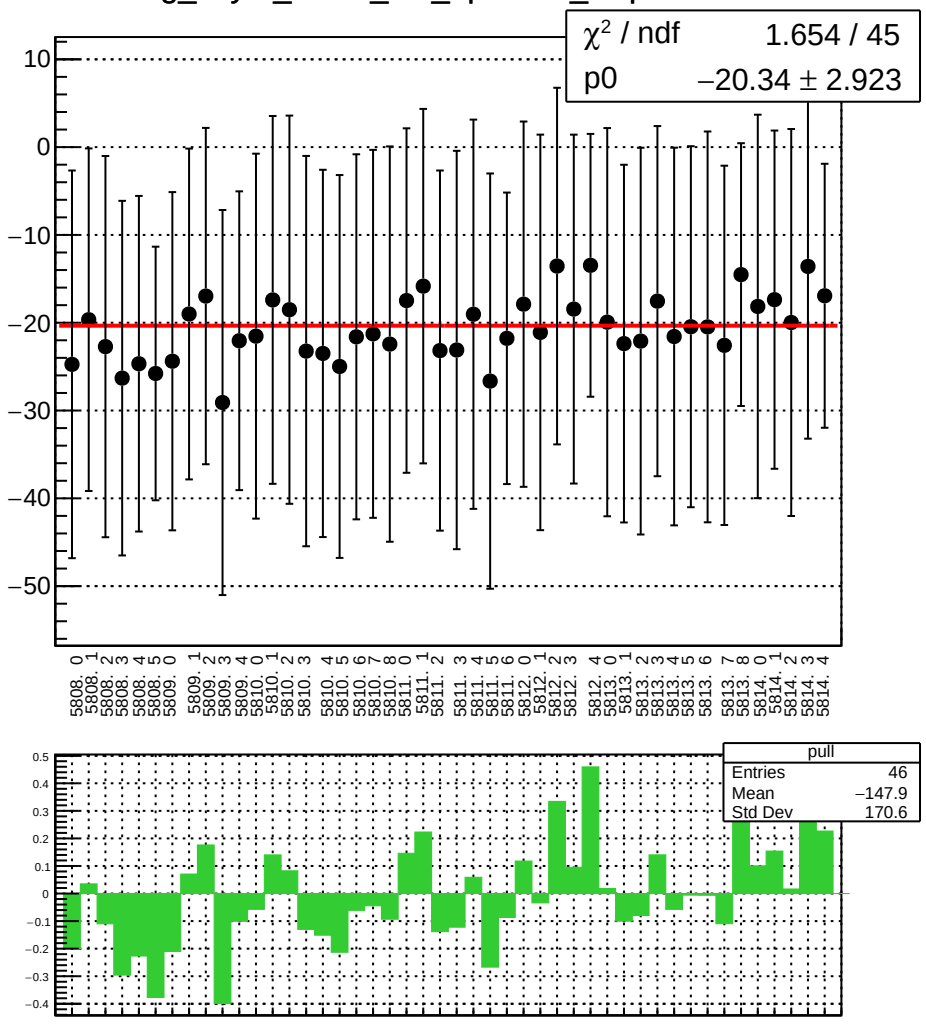

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.406 / 45
p0 −48.11± 2.645
pull
Entries 46
Mean 308.9
Std Dev 286.6
pull1D
Entries 46
Mean −0.005113
Std Dev 0.1748

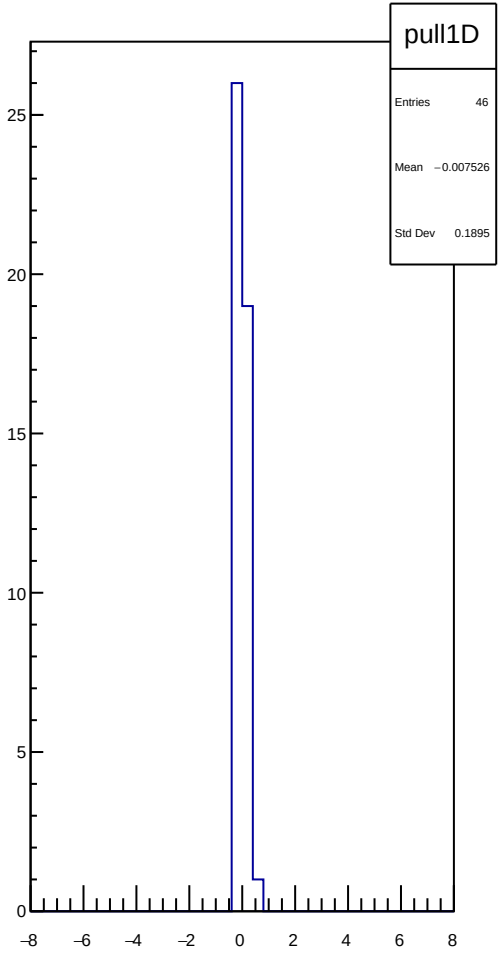

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.073 / 45
p0 15.11 ± 2.015
pull
Entries 46
Mean −64.74
Std Dev 93.15

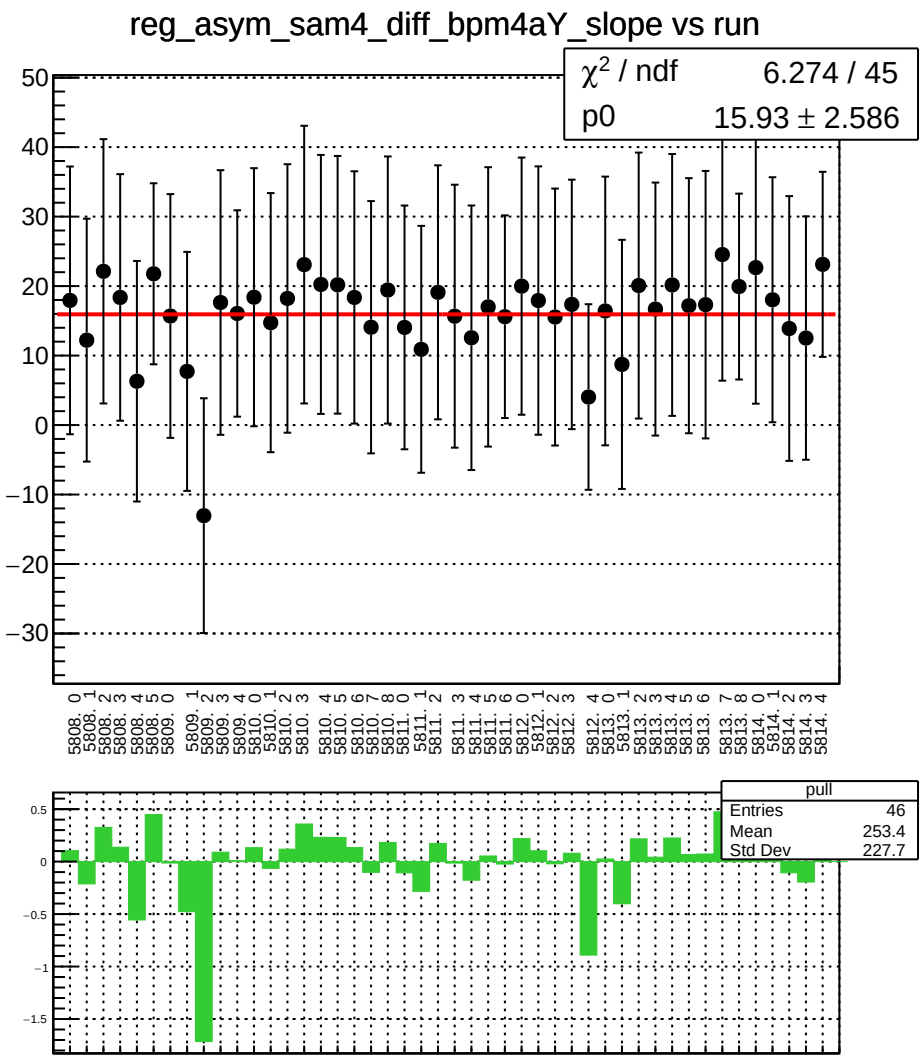

pull1D
Entries 46
Mean 0.009634
Std Dev 0.2121

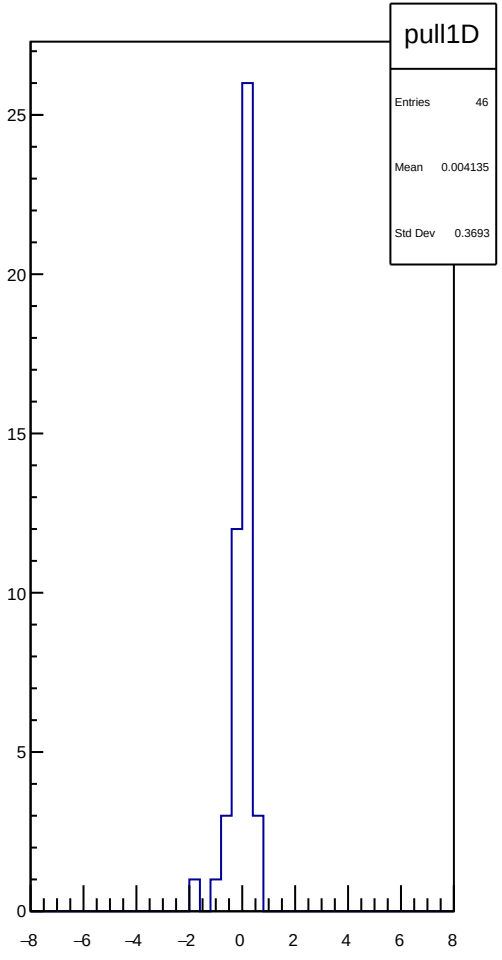

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.9622 / 45
p0 −0.8422 ± 0.1202
pull
Entries 46
Mean 77.05
Std Dev 42.35

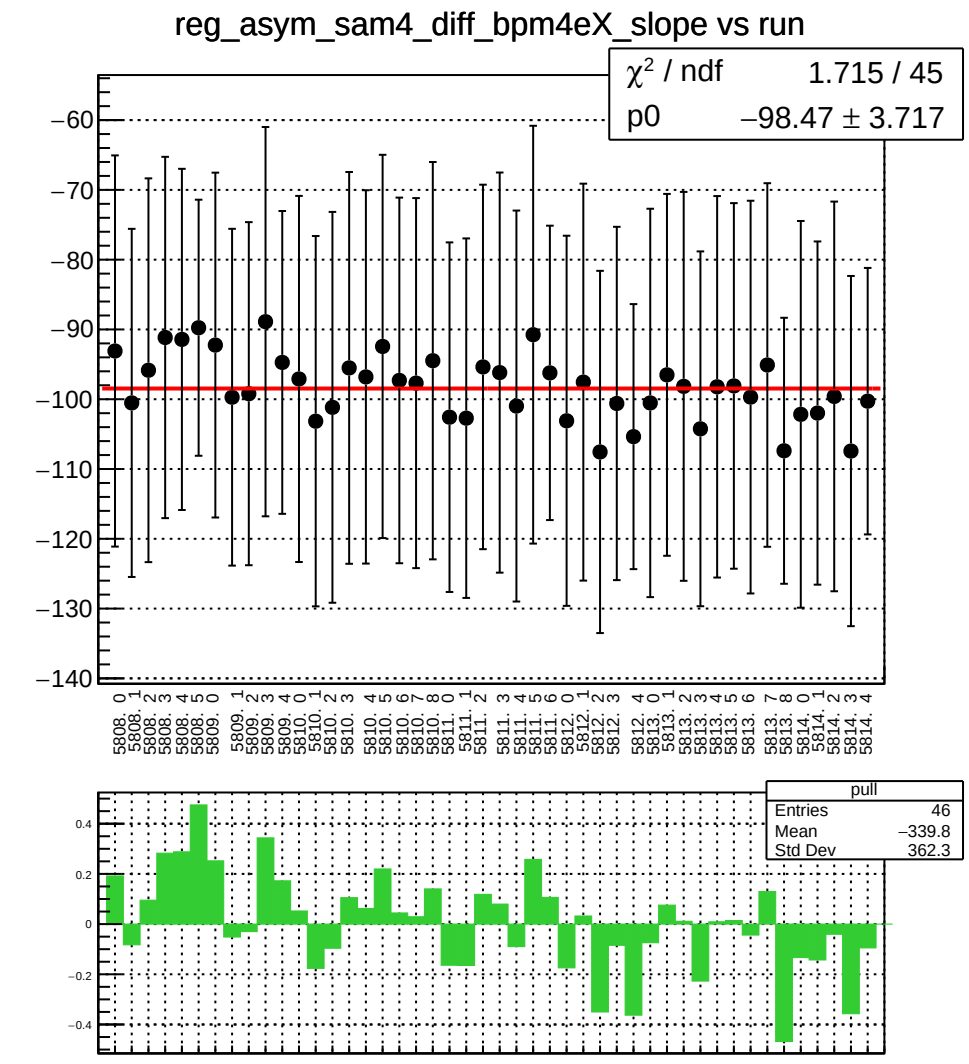

pull1D
Entries 46
Mean 0.005835
Std Dev 0.1445

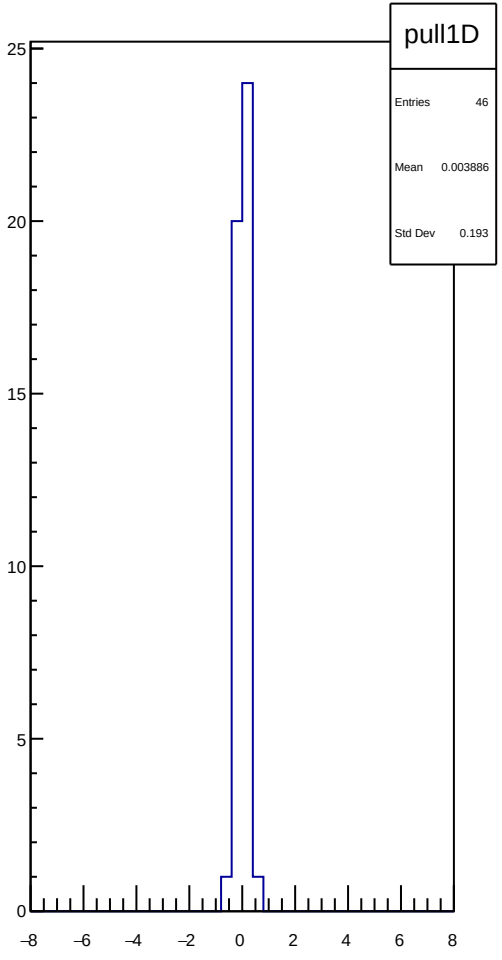

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 1.654 / 45
p0 −20.34 ± 2.923
pull
Entries 46
Mean −147.9
Std Dev 170.6

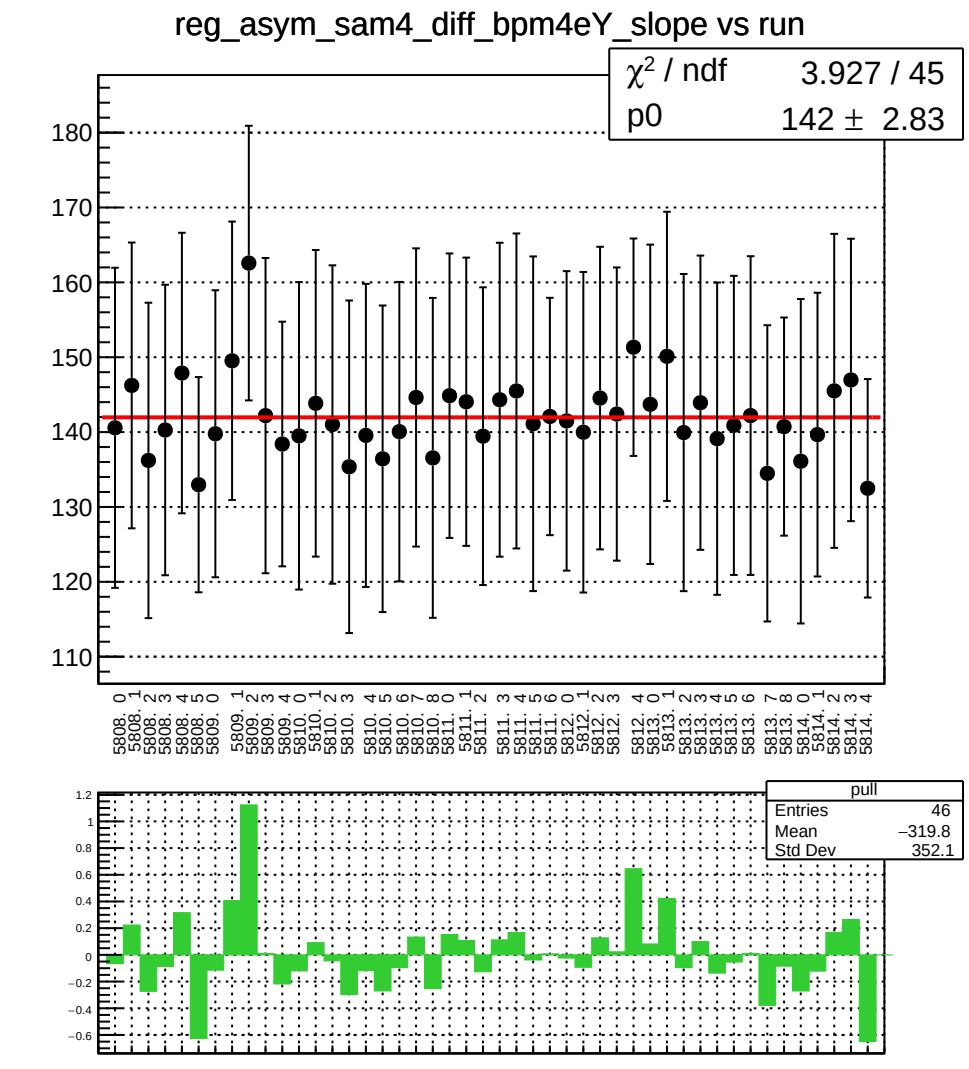

pull1D
Entries 46
Mean −0.007526
Std Dev 0.1895

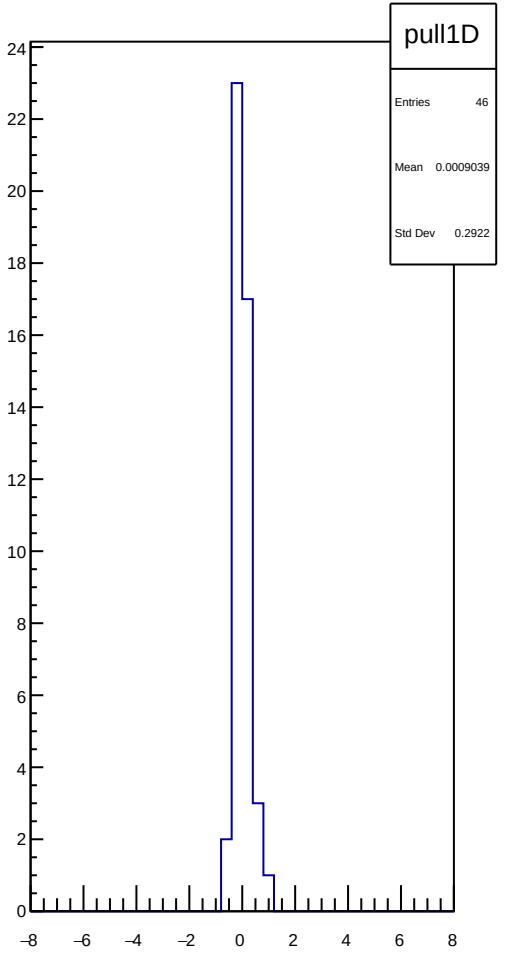

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 6.274 / 45
p0 15.93 ± 2.586
pull
Entries 46
Mean 253.4
Std Dev 227.7

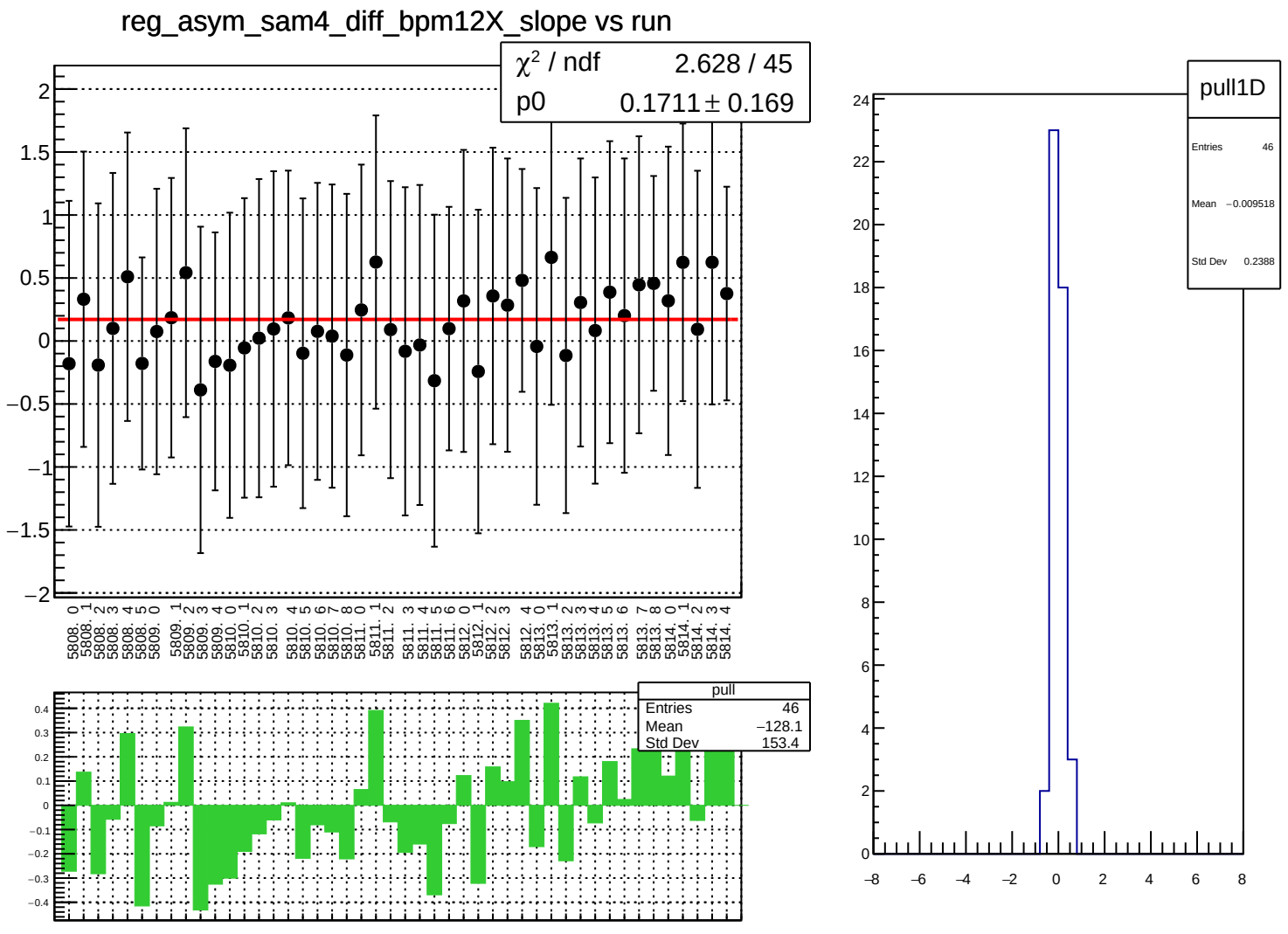

pull1D
Entries 46
Mean 0.004135
Std Dev 0.3693

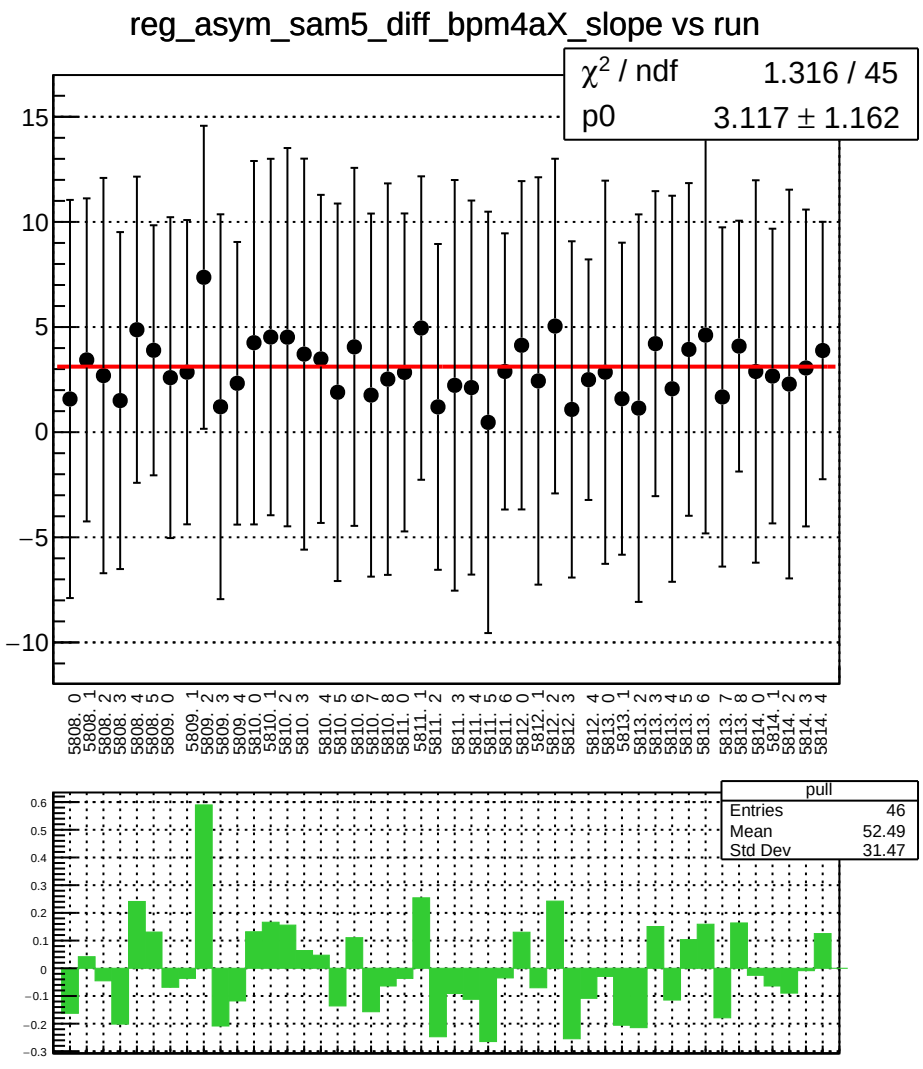

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.715 / 45
p0 −98.47 ± 3.717
pull
Entries 46
Mean −339.8
Std Dev 362.3

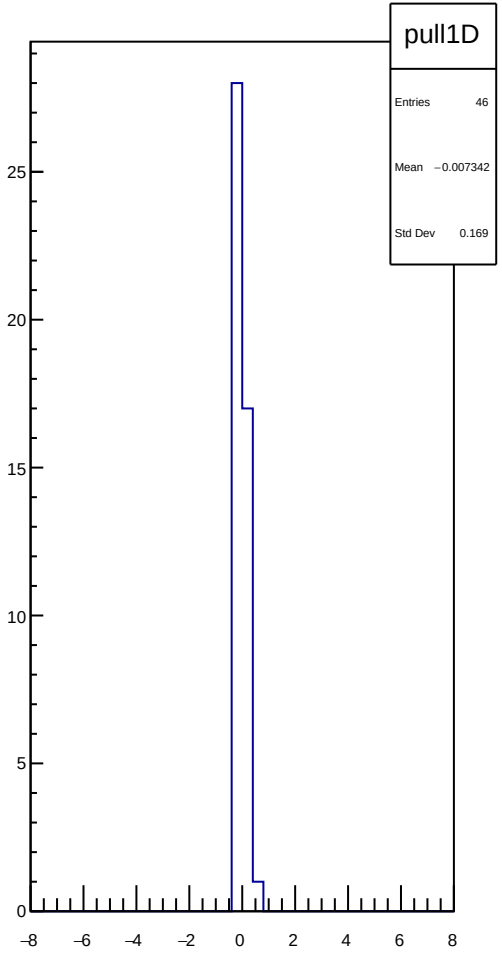

pull1D
Entries 46
Mean 0.003886
Std Dev 0.193

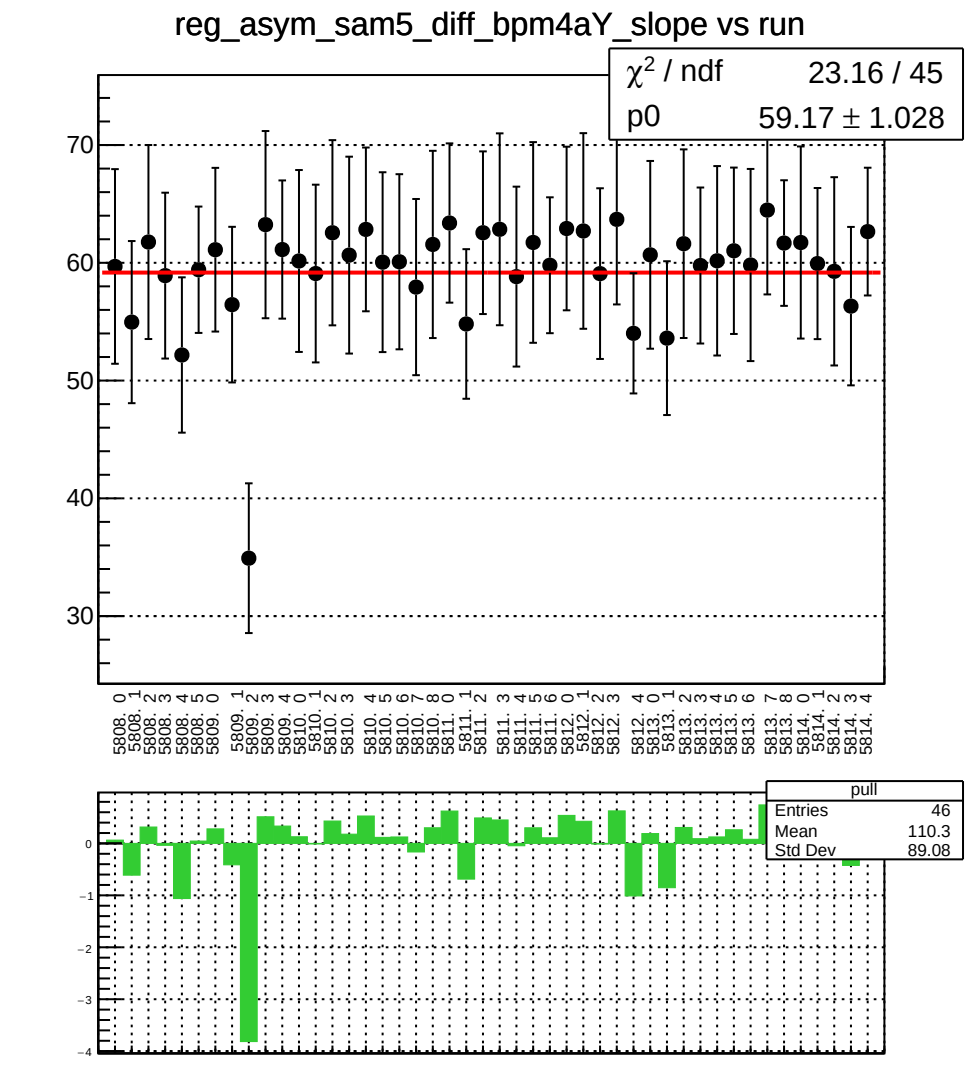

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 3.927 / 45
p0 142 ± 2.83
pull
Entries 46
Mean −319.8
Std Dev 352.1

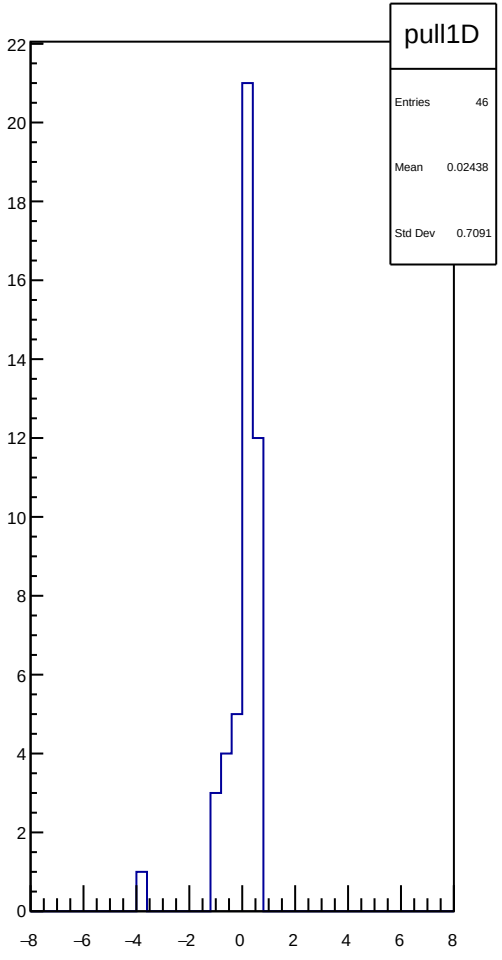

pull1D
Entries 46
Mean 0.0009039
Std Dev 0.2922

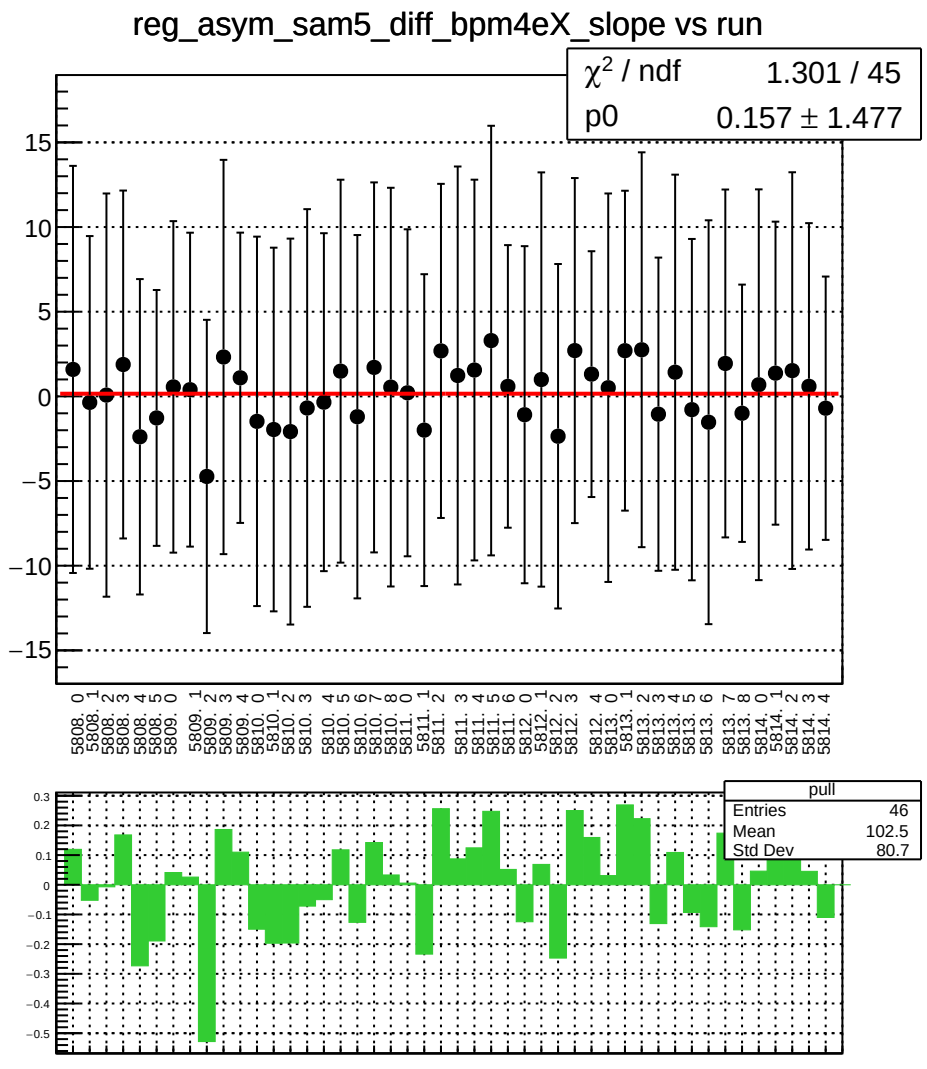

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 2.628 / 45
p0 0.1711 ± 0.169
pull
Entries 46
Mean −128.1
Std Dev 153.4
pull1D
Entries 46
Mean −0.009518
Std Dev 0.2388

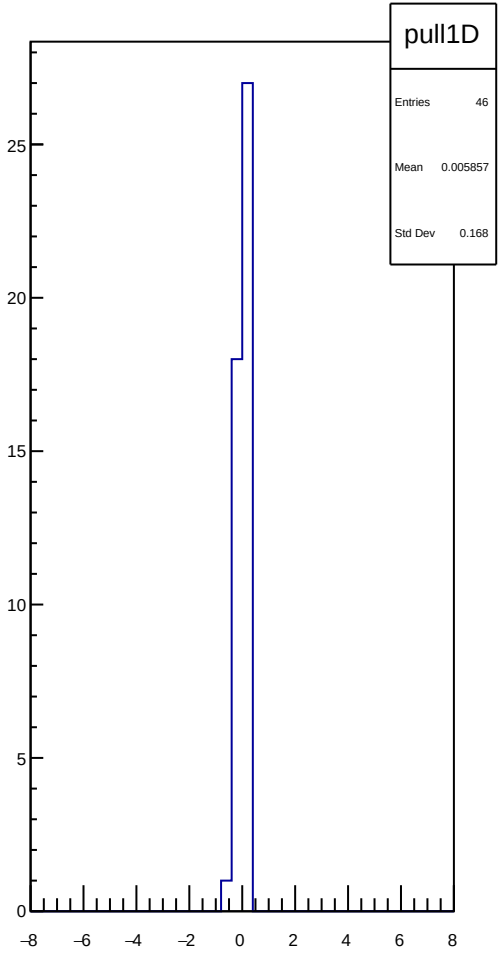

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 1.316 / 45
p0 3.117 ± 1.162
pull
Entries 46
Mean 52.49
Std Dev 31.47

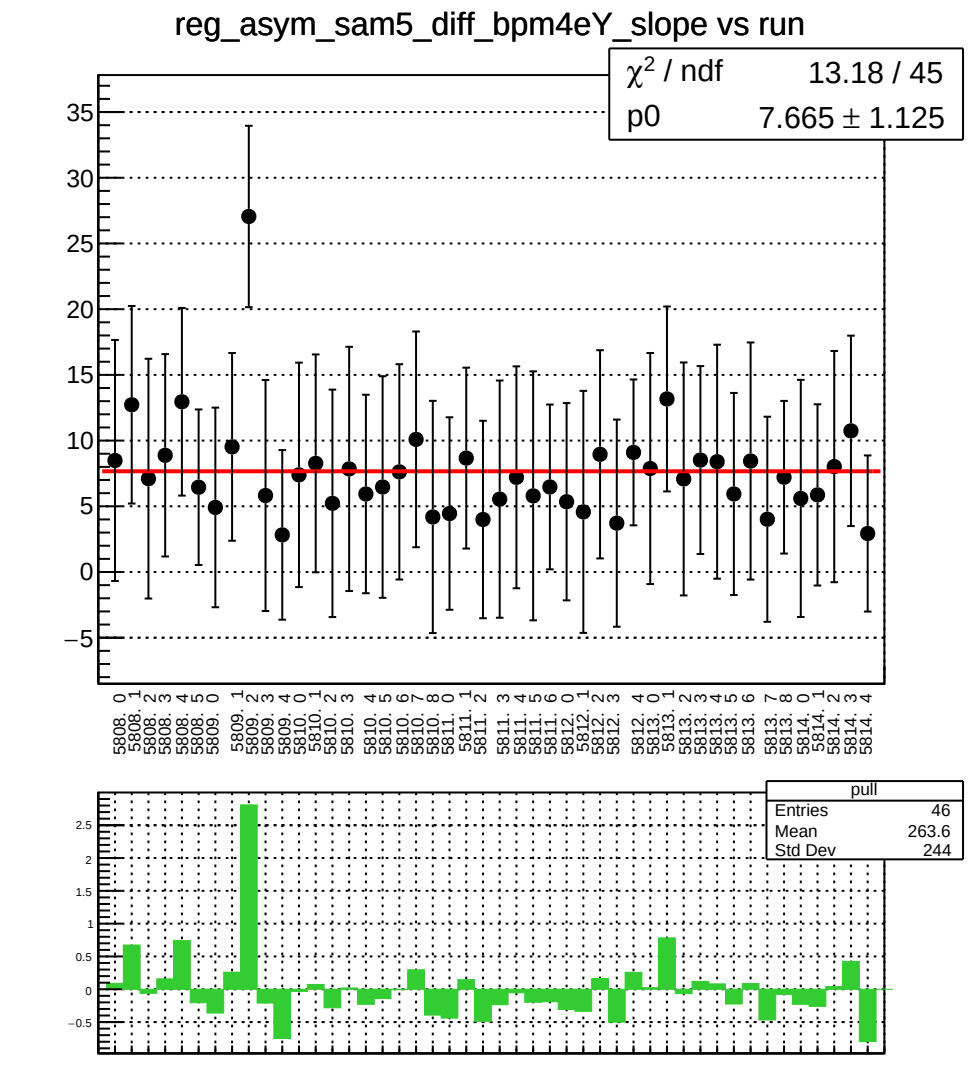

pull1D
Entries 46
Mean −0.007342
Std Dev 0.169

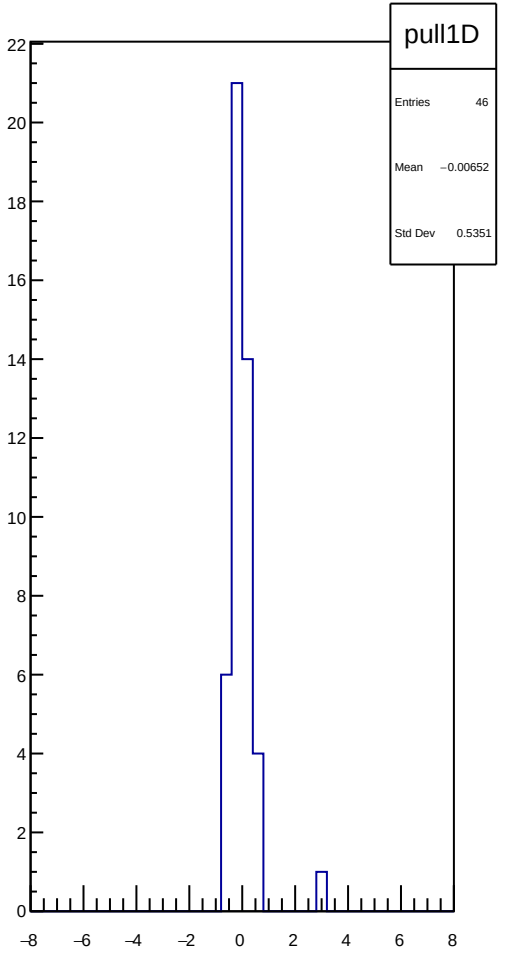

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 23.16 / 45
p0 59.17 ± 1.028
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 110.3
Std Dev 89.08
0
−1
−2
−3
−4

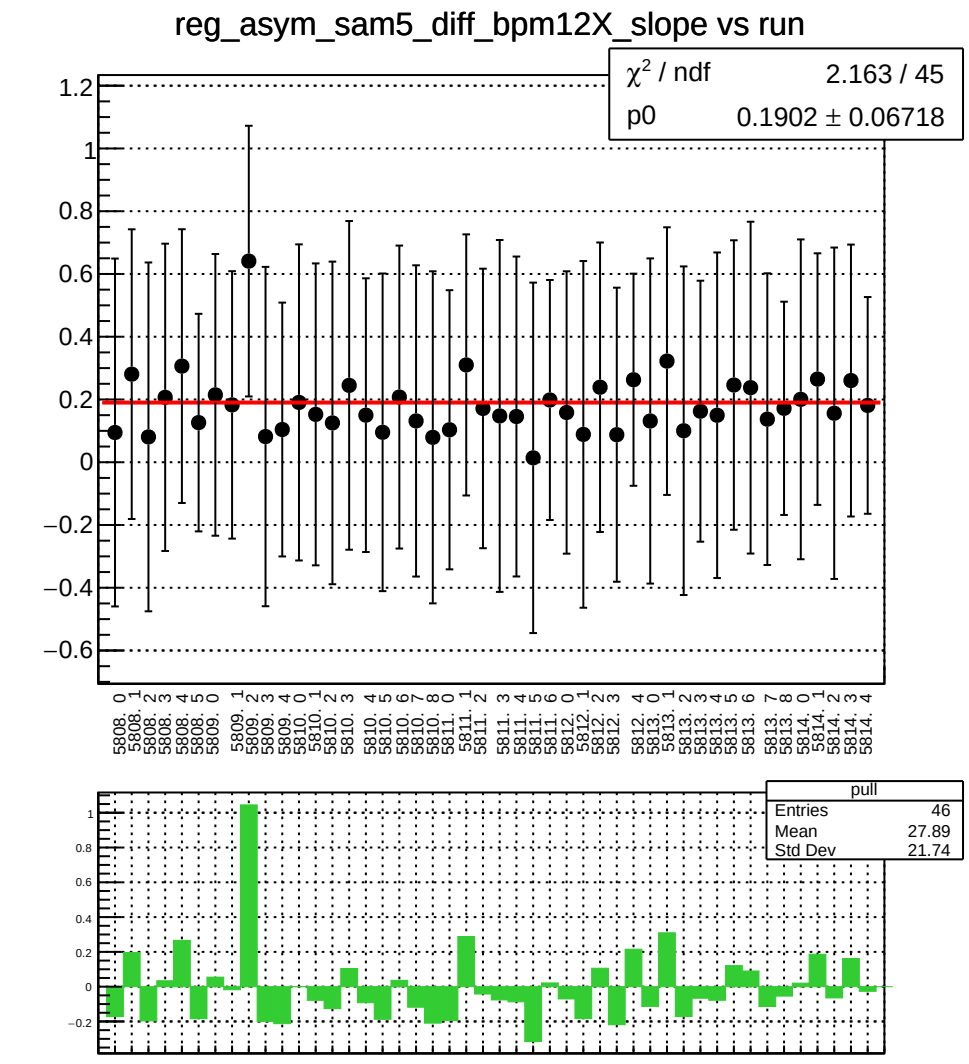

pull1D
Entries 46
Mean 0.02438
Std Dev 0.7091
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

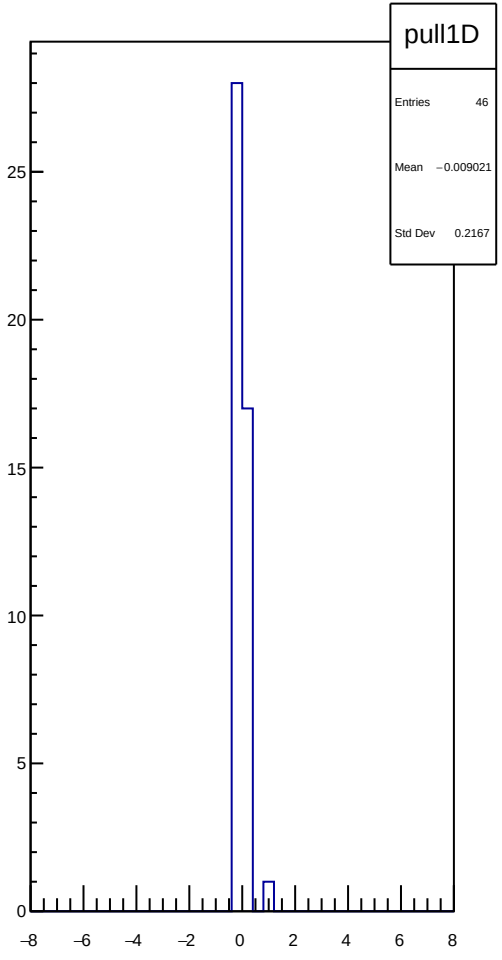

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.301 / 45
p0 0.157 ± 1.477
pull
Entries 46
Mean 102.5
Std Dev 80.7

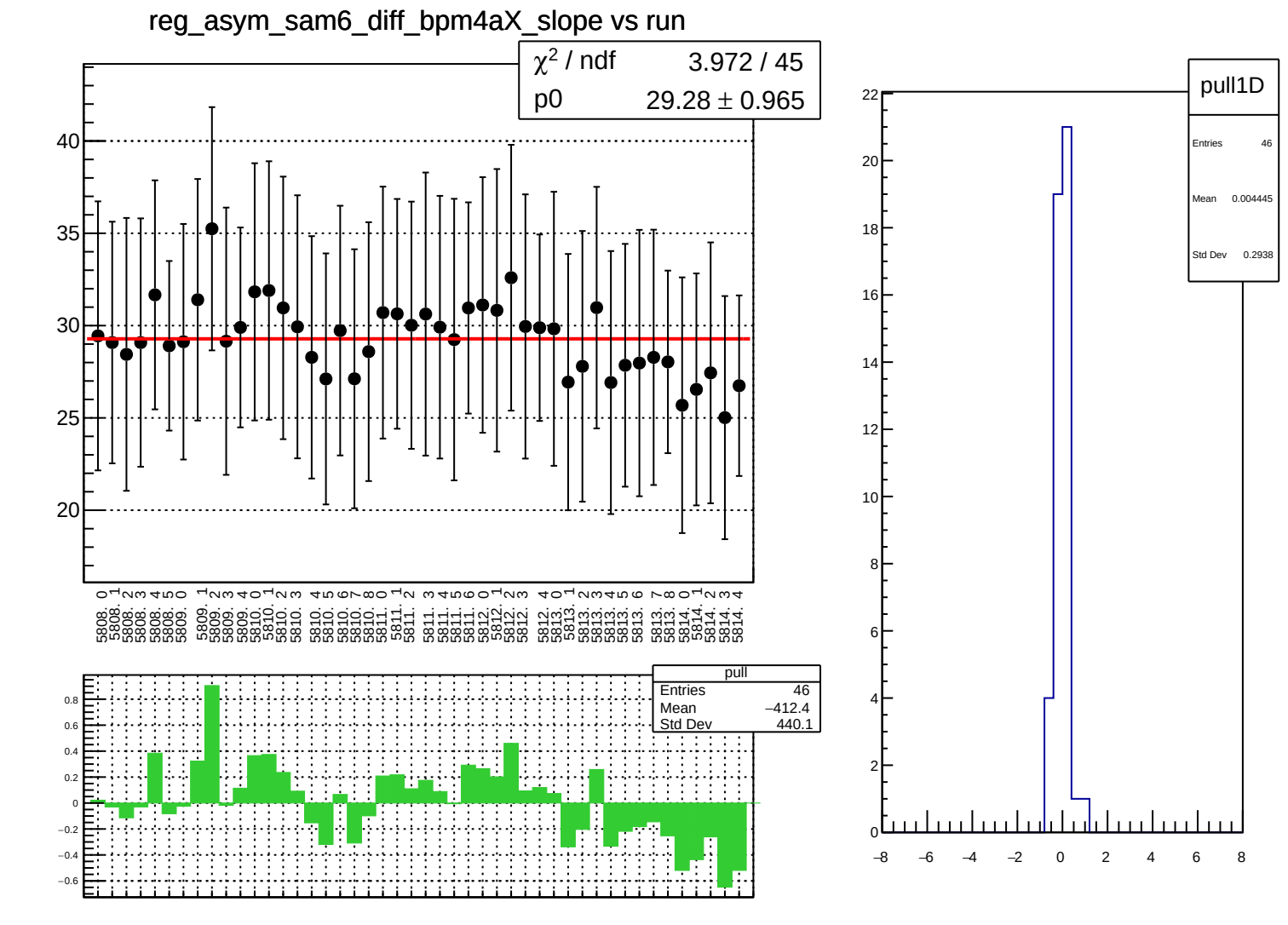

pull1D
Entries 46
Mean 0.005857
Std Dev 0.168

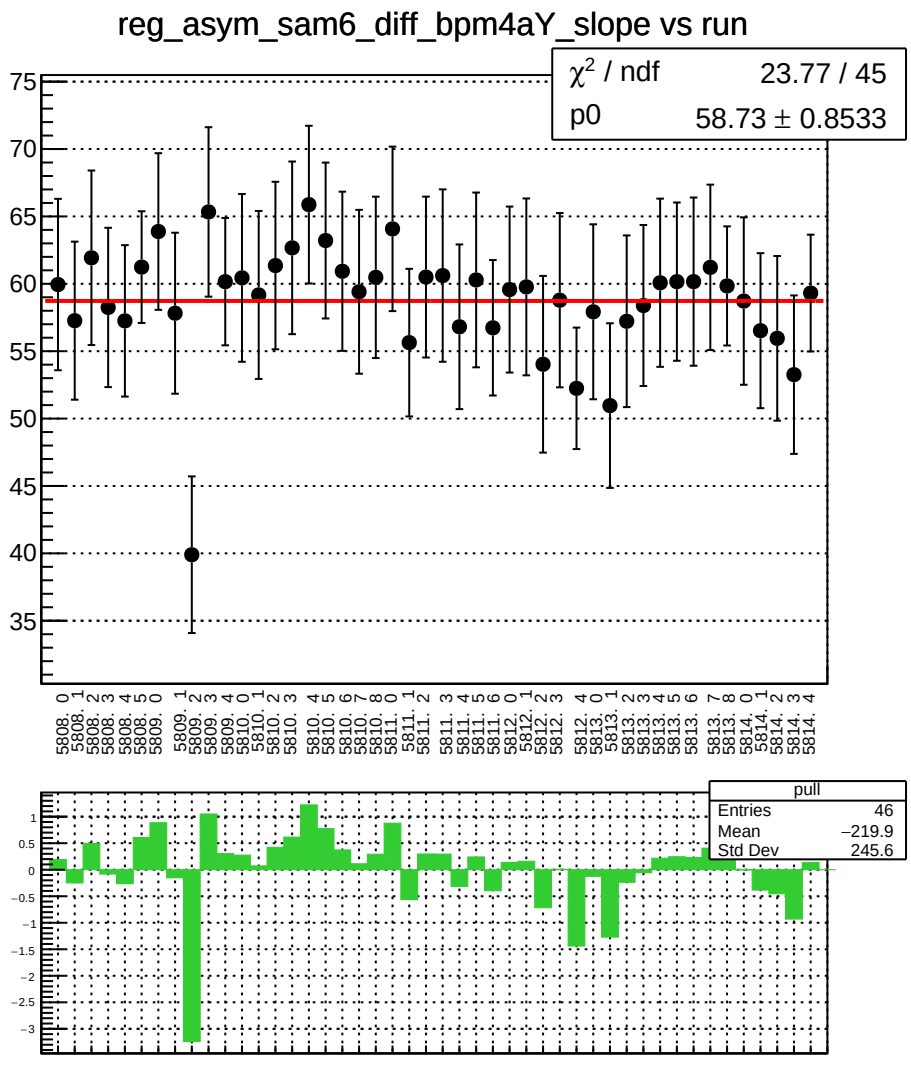

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 13.18 / 45
p0 7.665 ± 1.125
pull
Entries 46
Mean 263.6
Std Dev 244

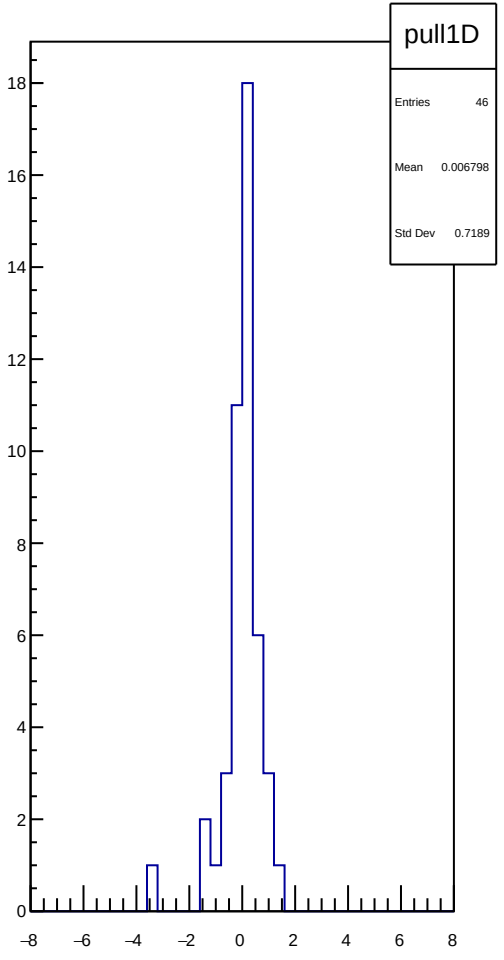

pull1D
Entries 46
Mean −0.00652
Std Dev 0.5351

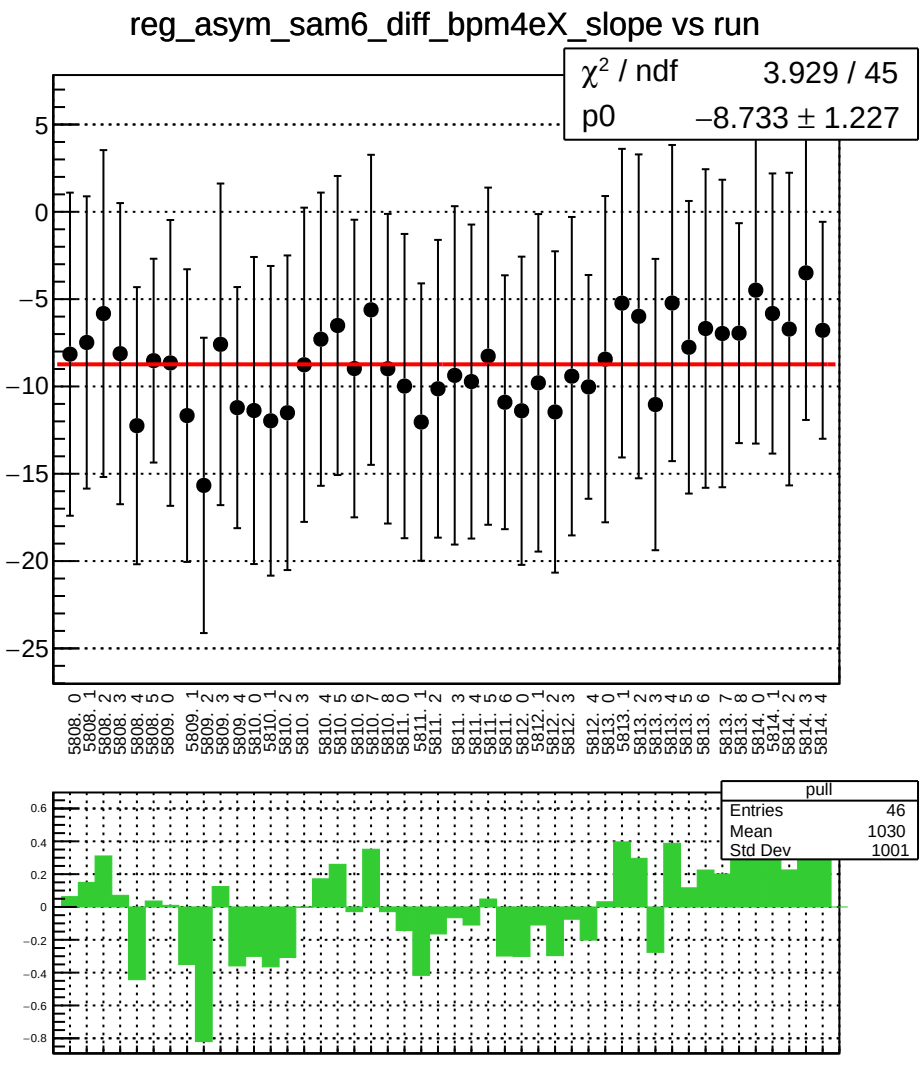

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.163 / 45
p0 0.1902 ± 0.06718
pull
Entries 46
Mean 27.89
Std Dev 21.74

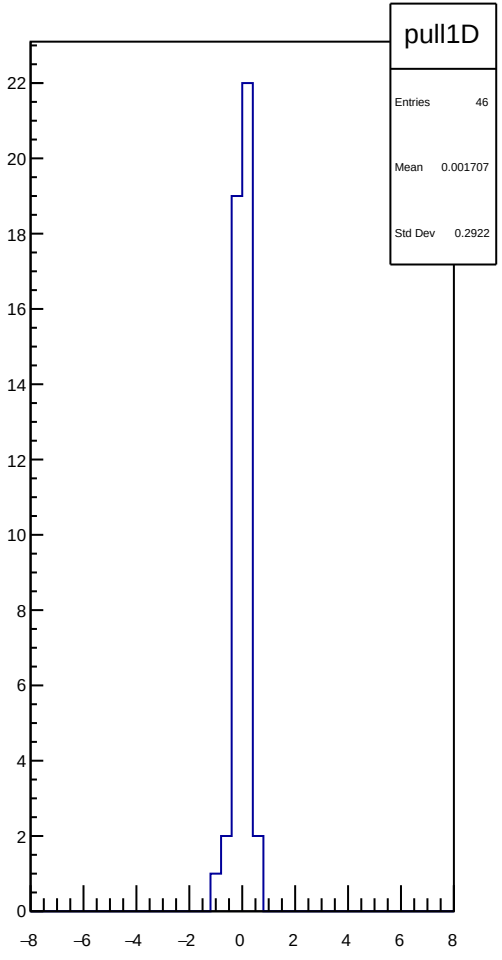

pull1D
Entries 46
Mean −0.009021
Std Dev 0.2167

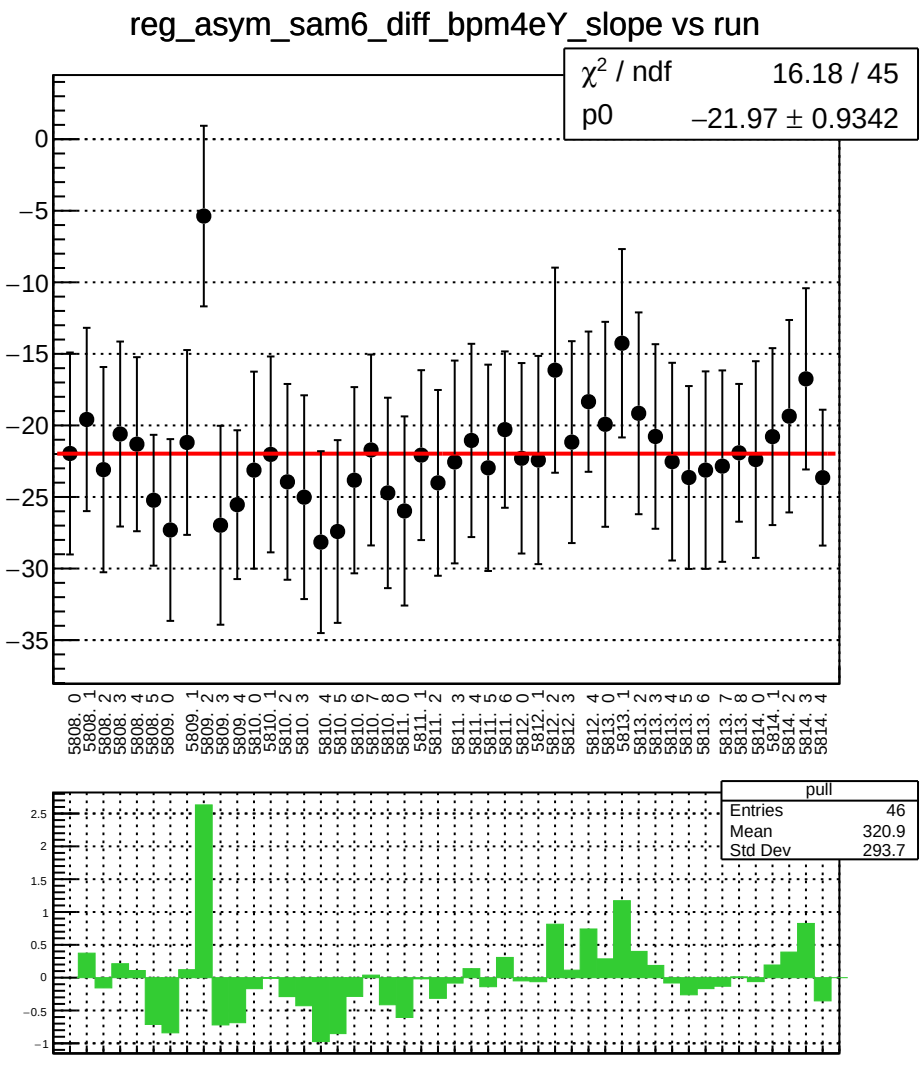

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 3.972 / 45
p0 29.28 ± 0.965
pull
Entries 46
Mean −412.4
Std Dev 440.1
pull1D
Entries 46
Mean 0.004445
Std Dev 0.2938

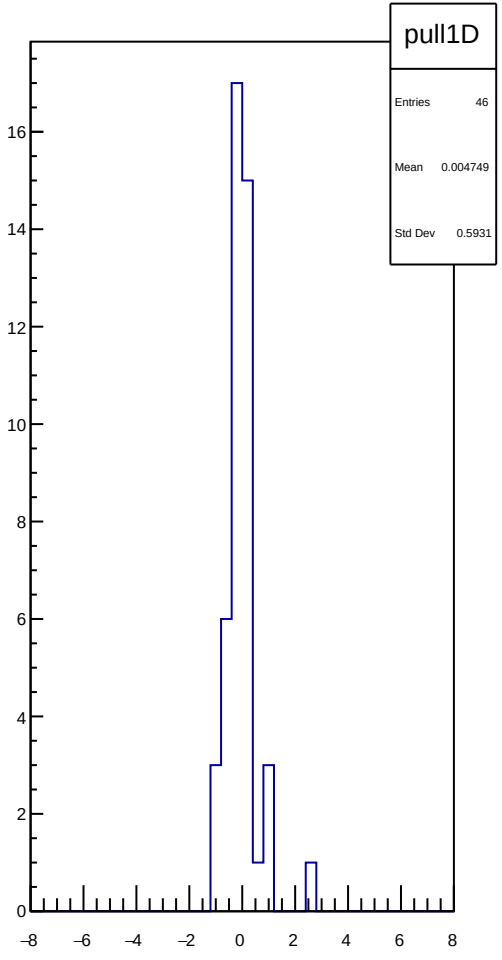

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 23.77 / 45
p0 58.73 ± 0.8533
pull
Entries 46
Mean −219.9
Std Dev 245.6

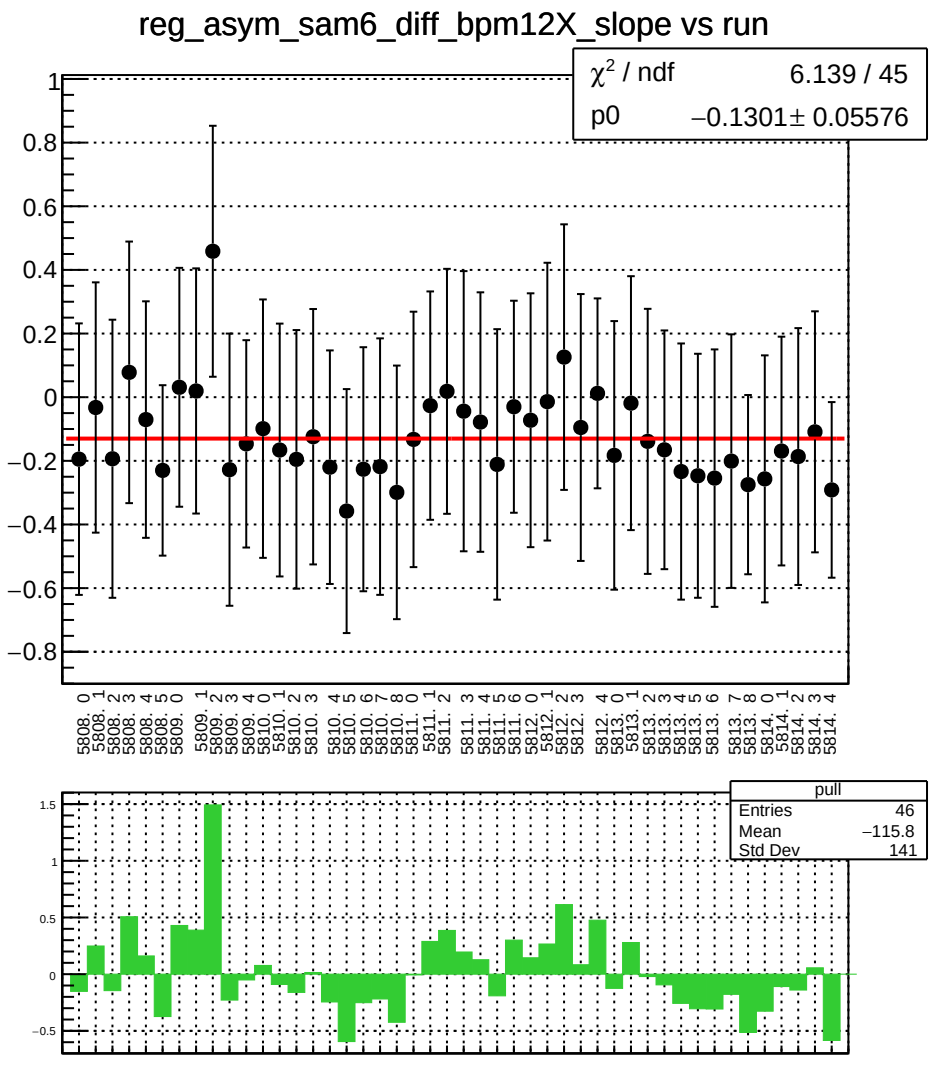

pull1D
Entries 46
Mean 0.006798
Std Dev 0.7189

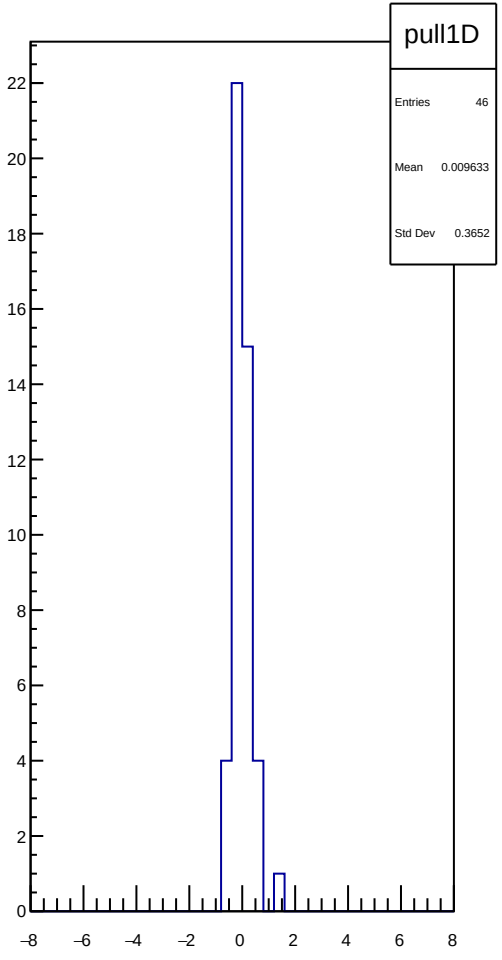

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.929 / 45
p0 −8.733 ± 1.227
pull
Entries 46
Mean 1030
Std Dev 1001

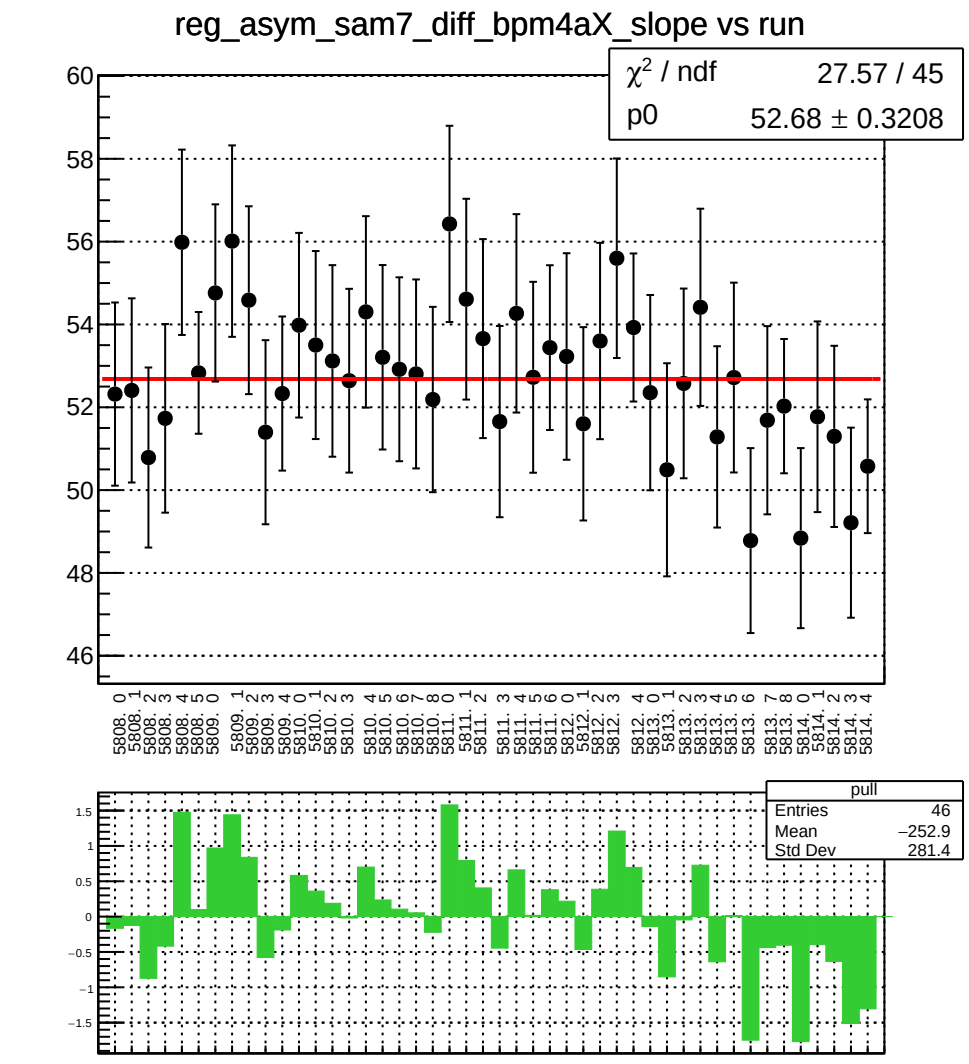

pull1D
Entries 46
Mean 0.001707
Std Dev 0.2922

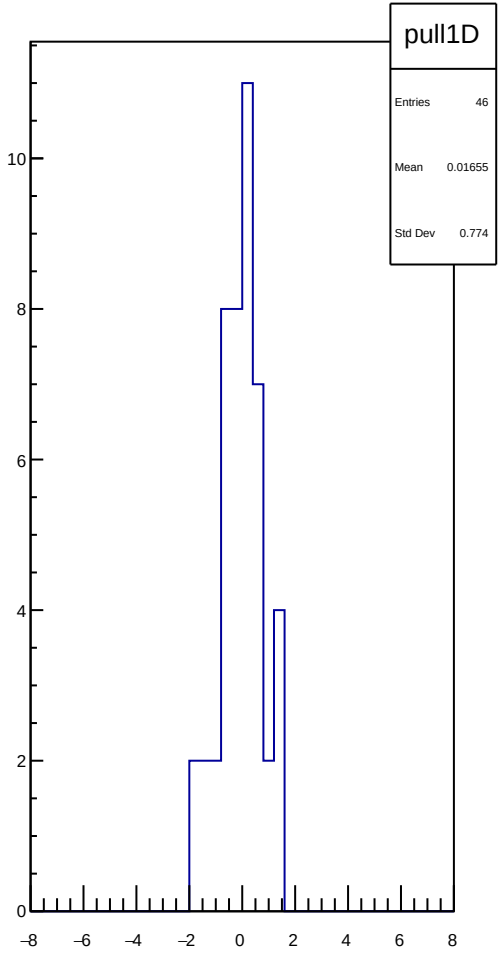

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 16.18 / 45
p0 −21.97 ± 0.9342
pull
Entries 46
Mean 320.9
Std Dev 293.7

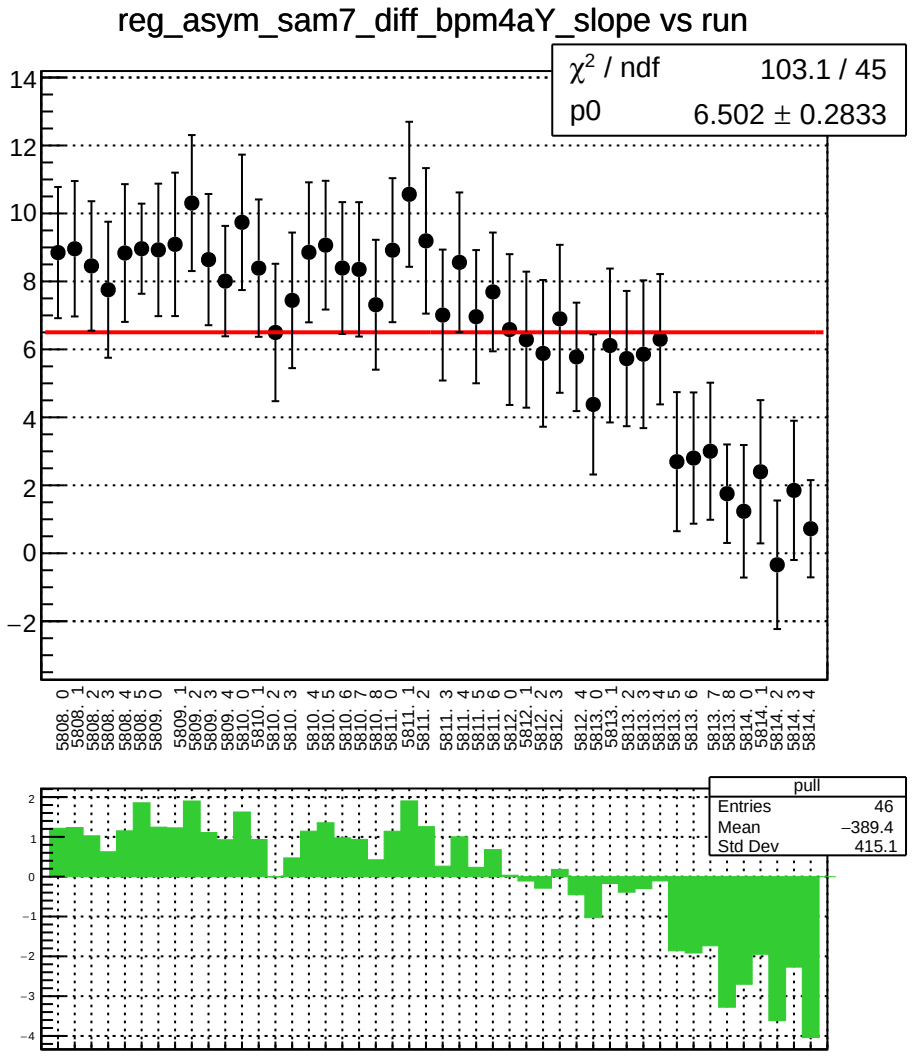

pull1D
Entries 46
Mean 0.004749
Std Dev 0.5931

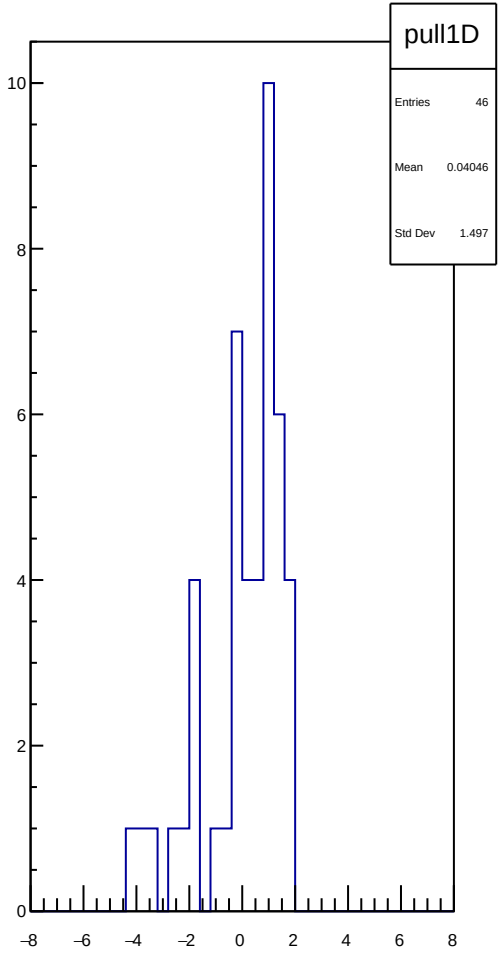

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 6.139 / 45
p0 −0.1301± 0.05576
pull
Entries 46
Mean −115.8
Std Dev 141

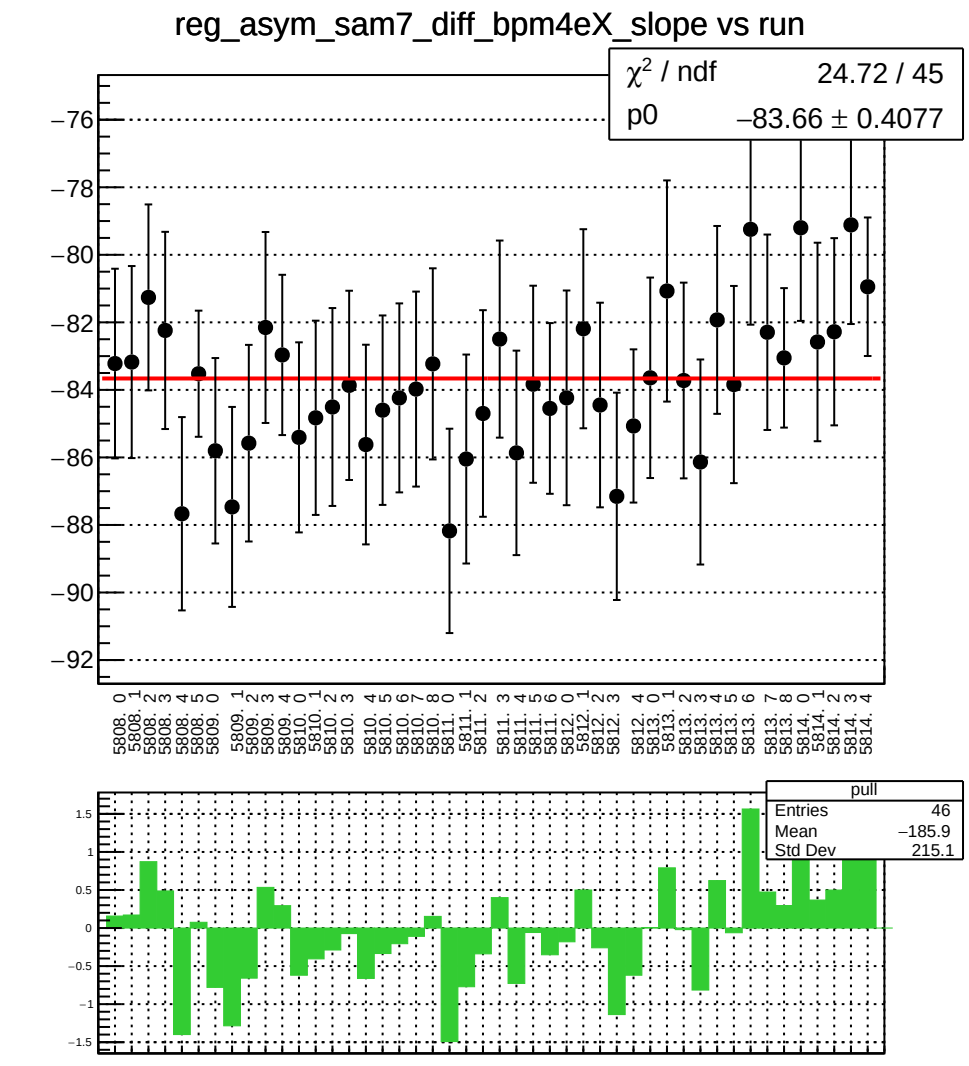

pull1D
Entries 46
Mean 0.009633
Std Dev 0.3652

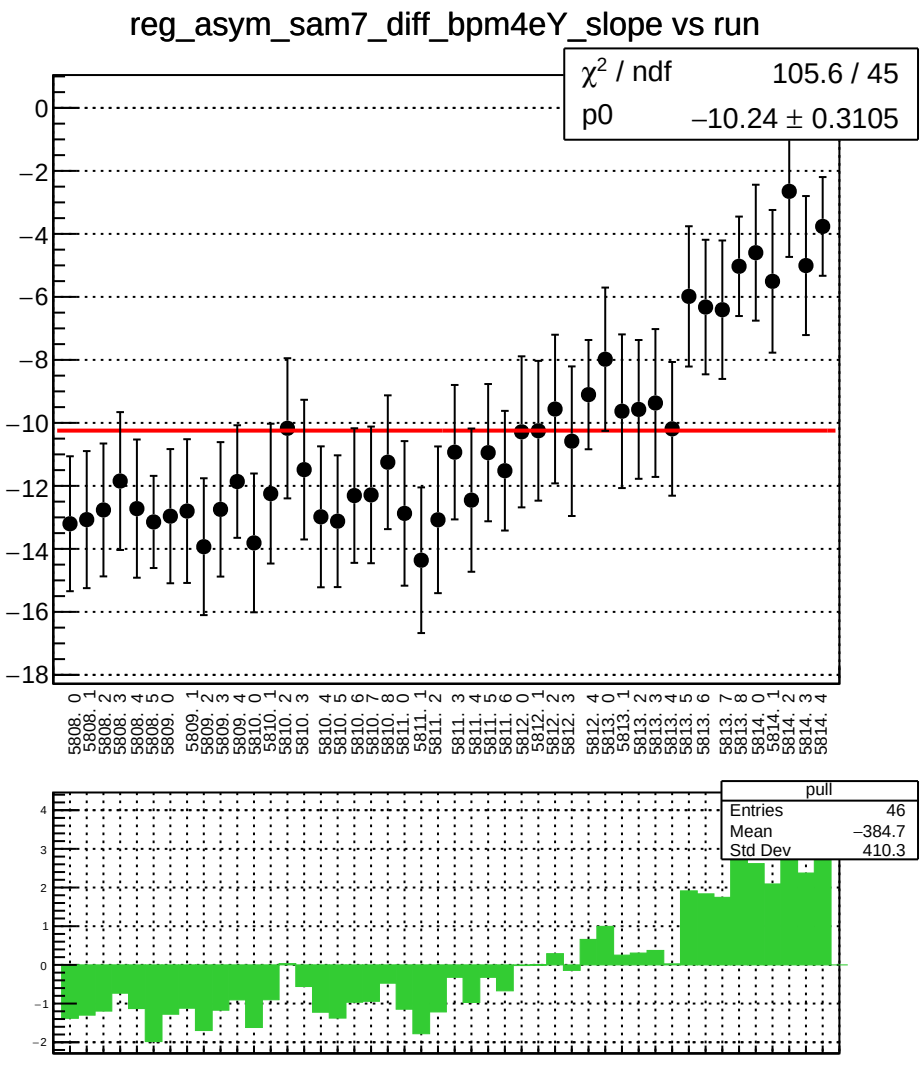

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 27.57 / 45
p0 52.68 ± 0.3208
pull
Entries 46
Mean −252.9
Std Dev 281.4

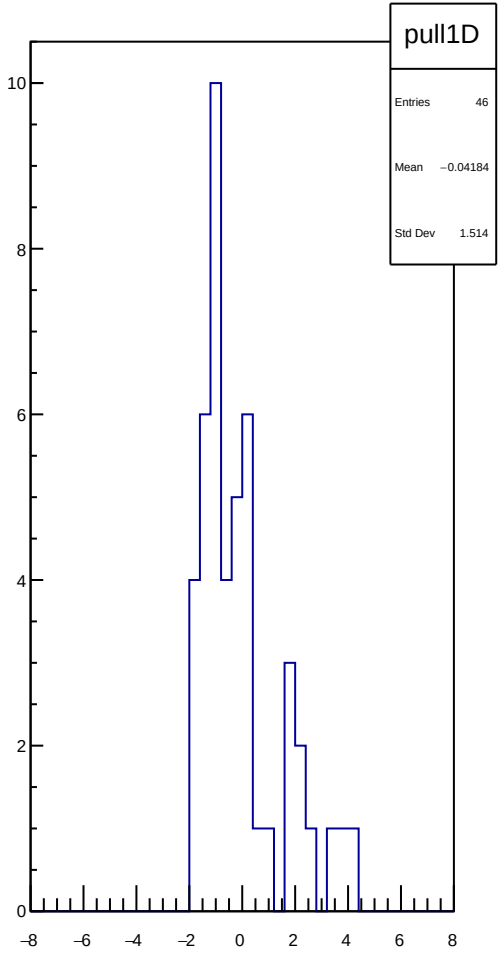

pull1D
Entries 46
Mean 0.01655
Std Dev 0.774

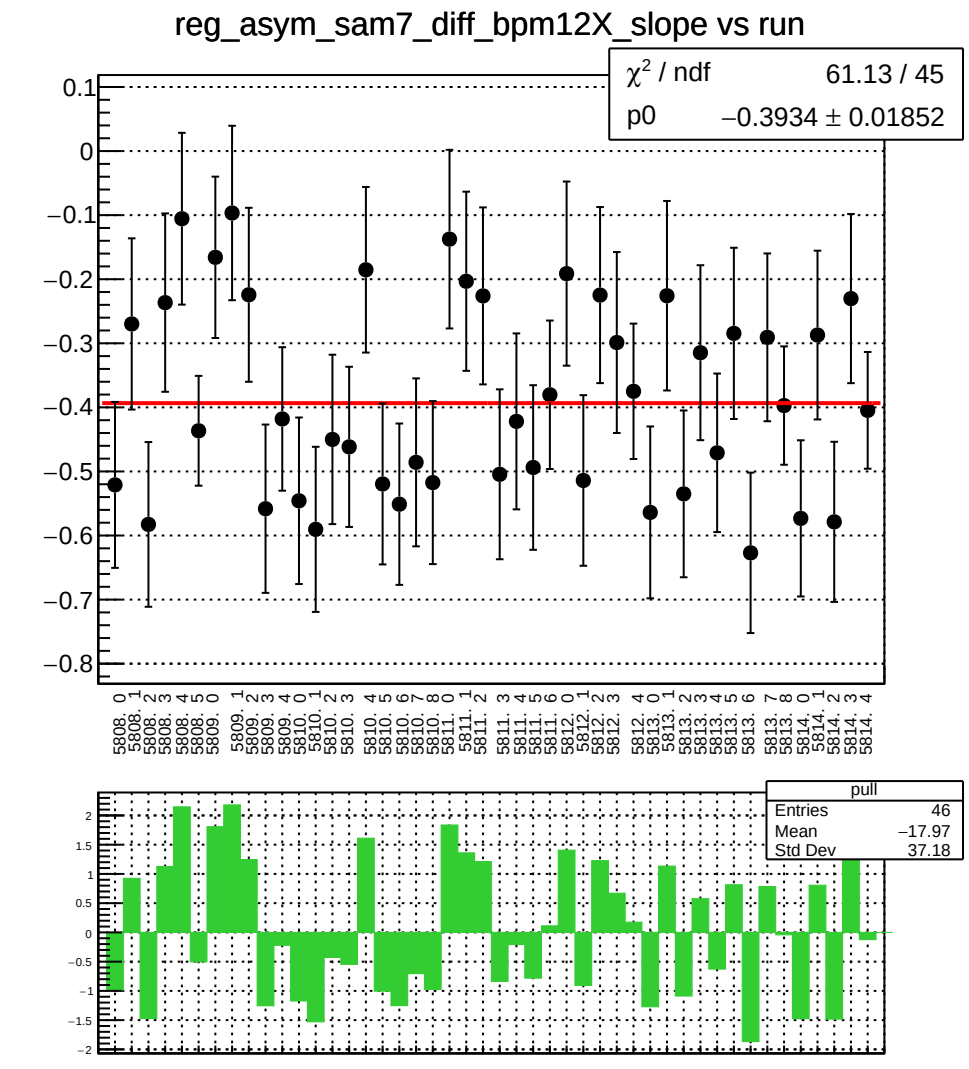

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 103.1 / 45
p0 6.502 ± 0.2833
pull
Entries 46
Mean −389.4
Std Dev 415.1

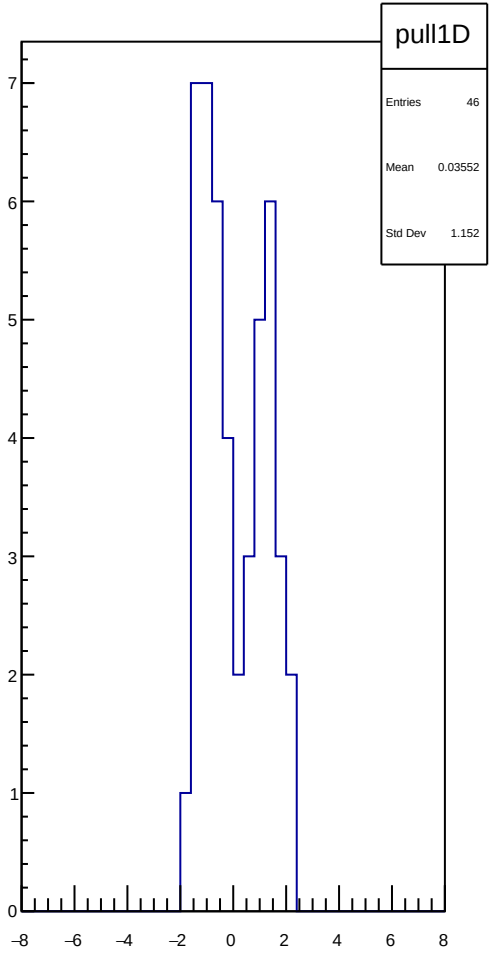

pull1D
Entries 46
Mean 0.04046
Std Dev 1.497

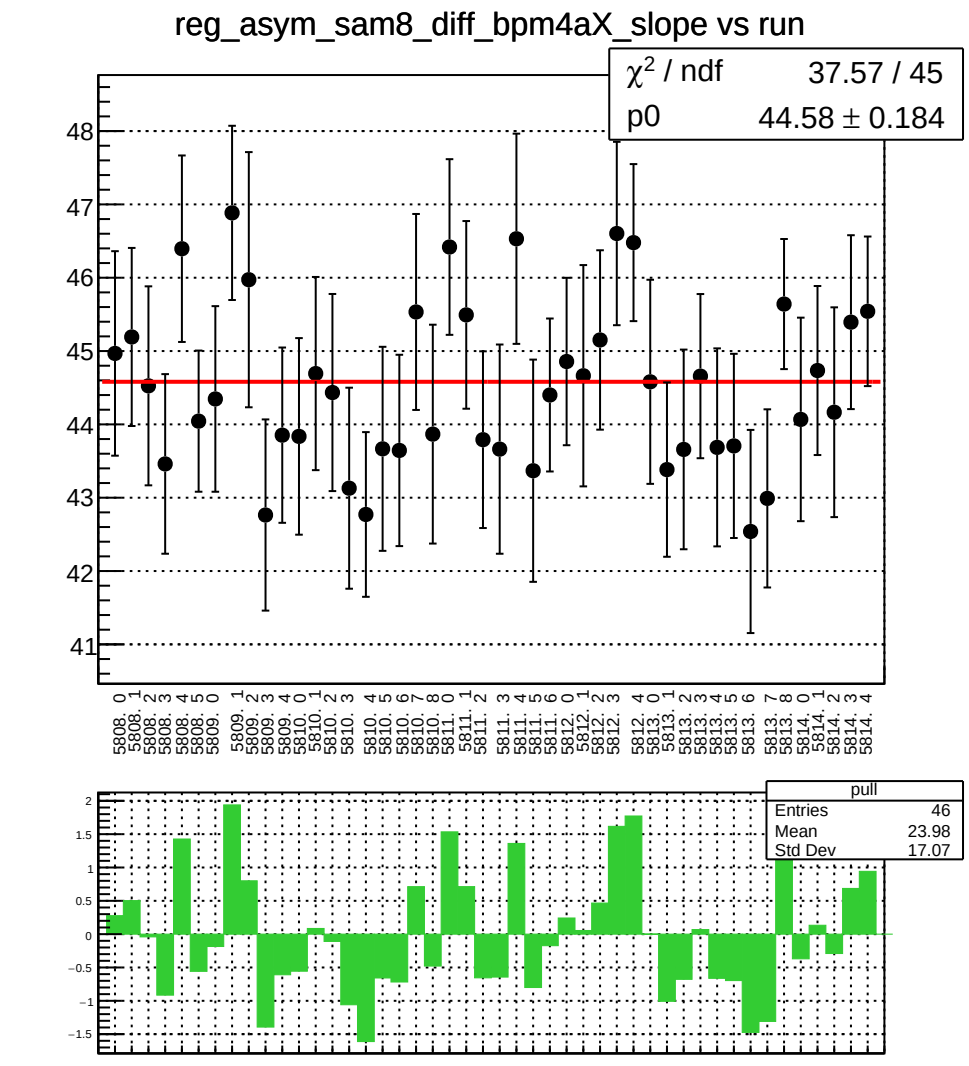

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 24.72 / 45
p0 −83.66 ± 0.4077
−76
−78
−80
−82
−84
−86
−88
−90
−92
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −185.9
Std Dev 215.1
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.01944
Std Dev 0.7327
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

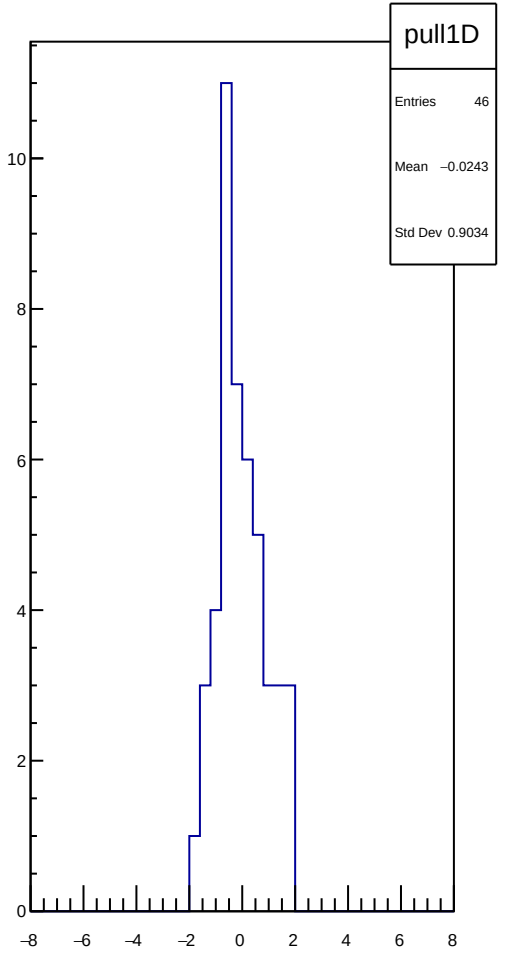

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 105.6 / 45
p0 −10.24 ± 0.3105
pull
Entries 46
Mean −384.7
Std Dev 410.3

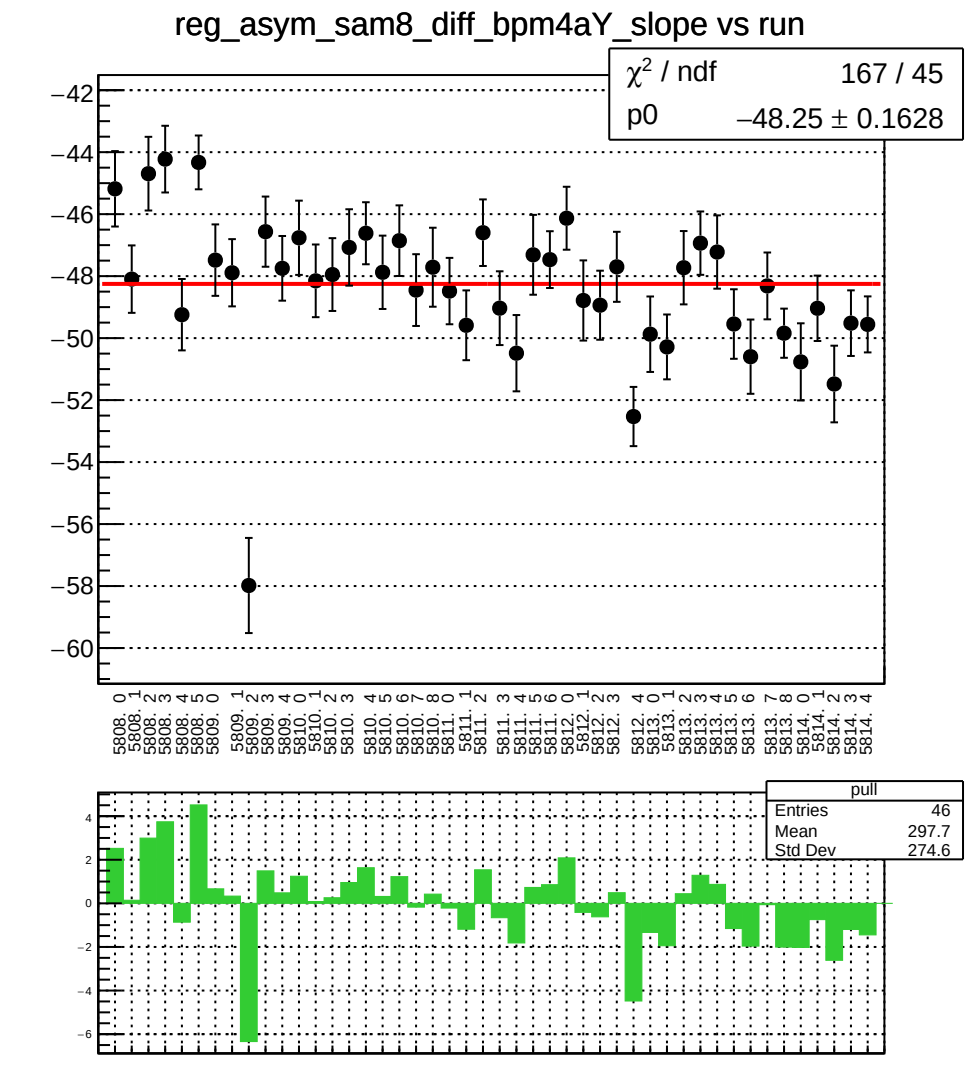

pull1D
Entries 46
Mean −0.04184
Std Dev 1.514

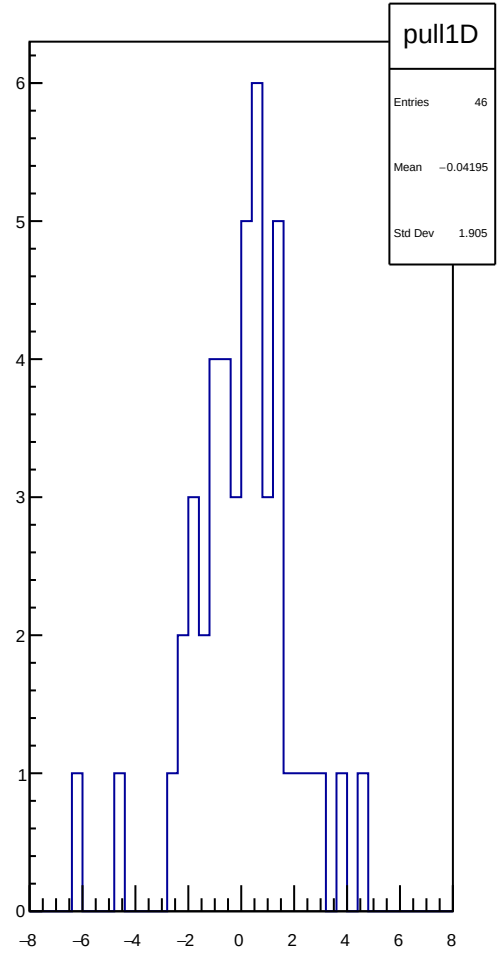

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 61.13 / 45
p0 −0.3934 ± 0.01852
pull
Entries 46
Mean −17.97
Std Dev 37.18

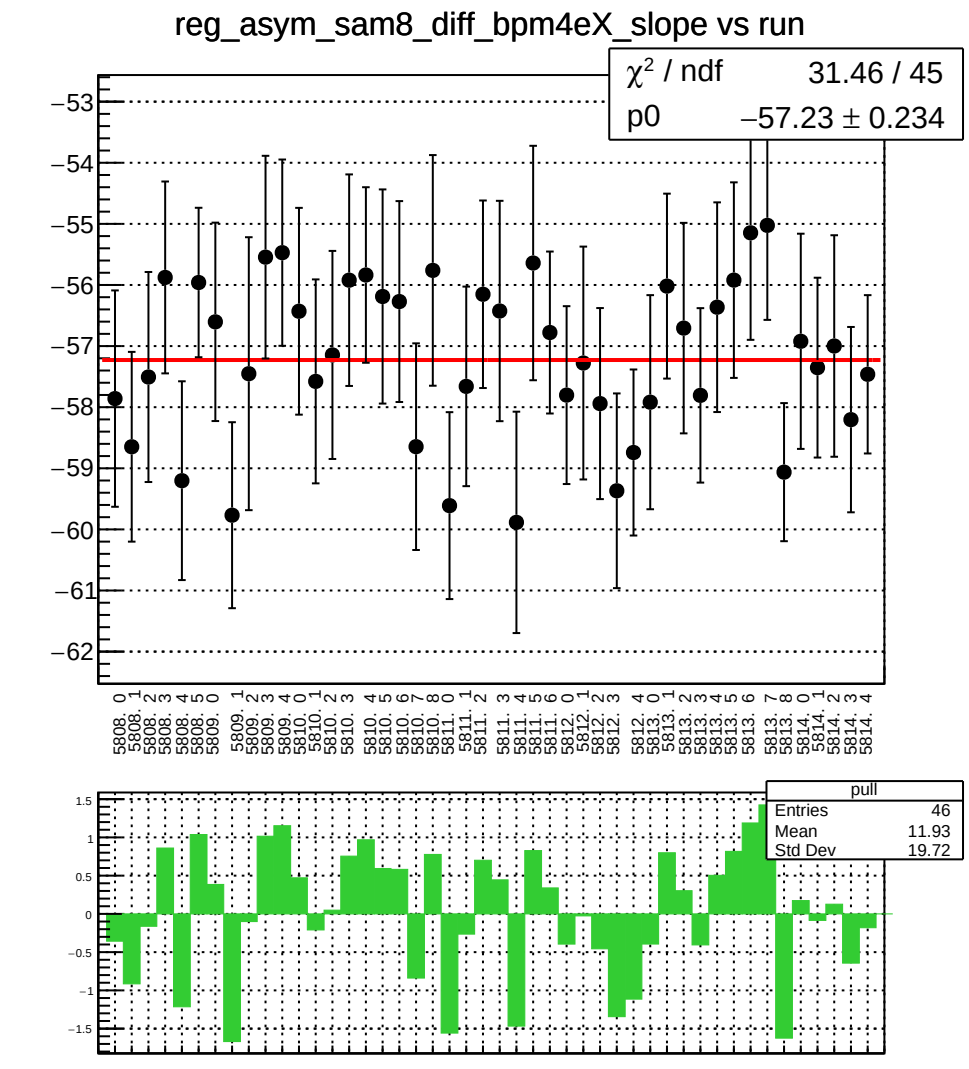

pull1D
Entries 46
Mean 0.03552
Std Dev 1.152

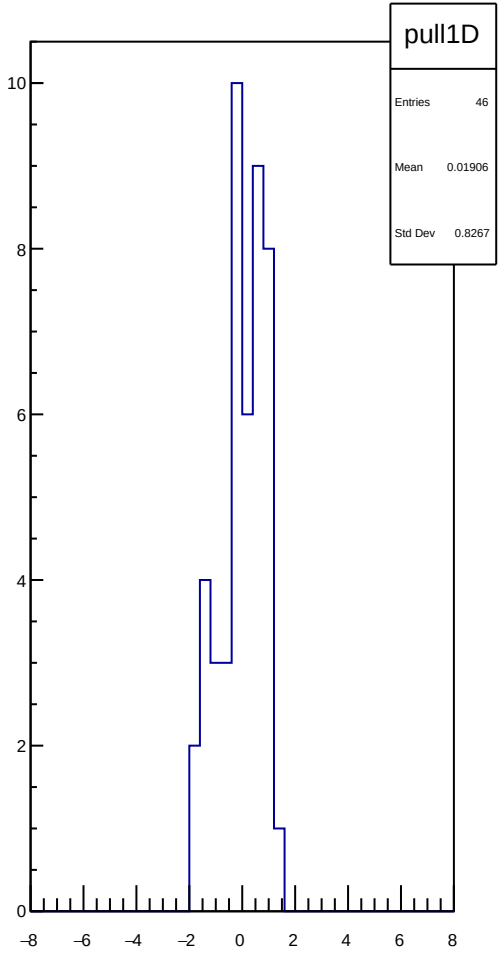

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 37.57 / 45
p0 44.58 ± 0.184
pull
Entries 46
Mean 23.98
Std Dev 17.07

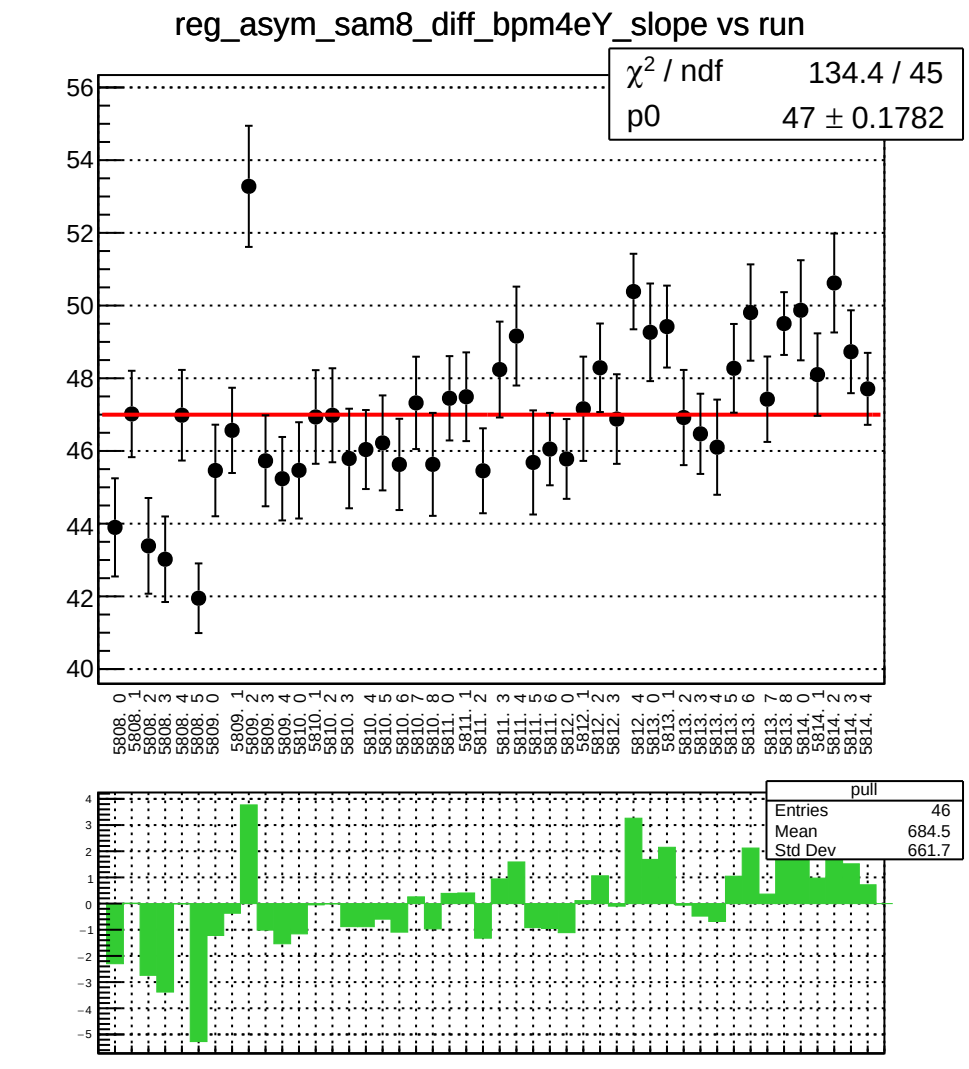

pull1D
Entries 46
Mean −0.0243
Std Dev 0.9034

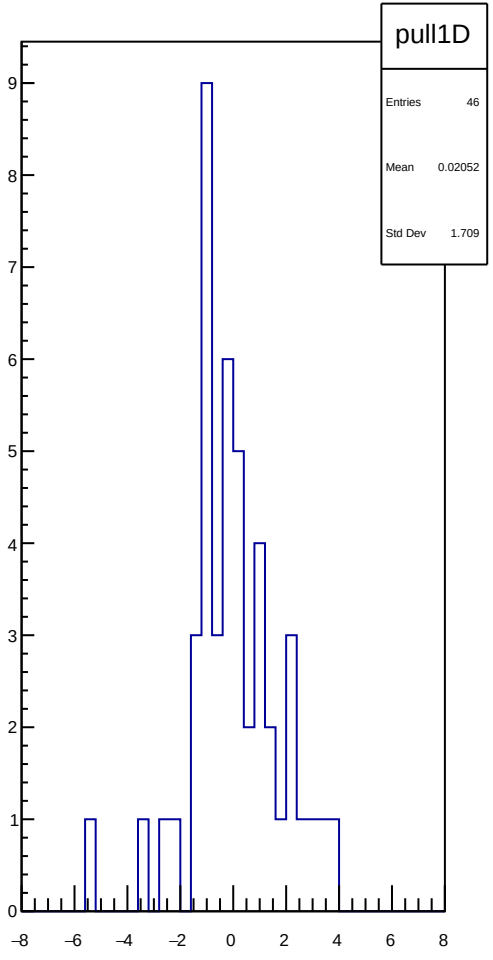

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 167 / 45
p0 −48.25 ± 0.1628
pull
Entries 46
Mean 297.7
Std Dev 274.6

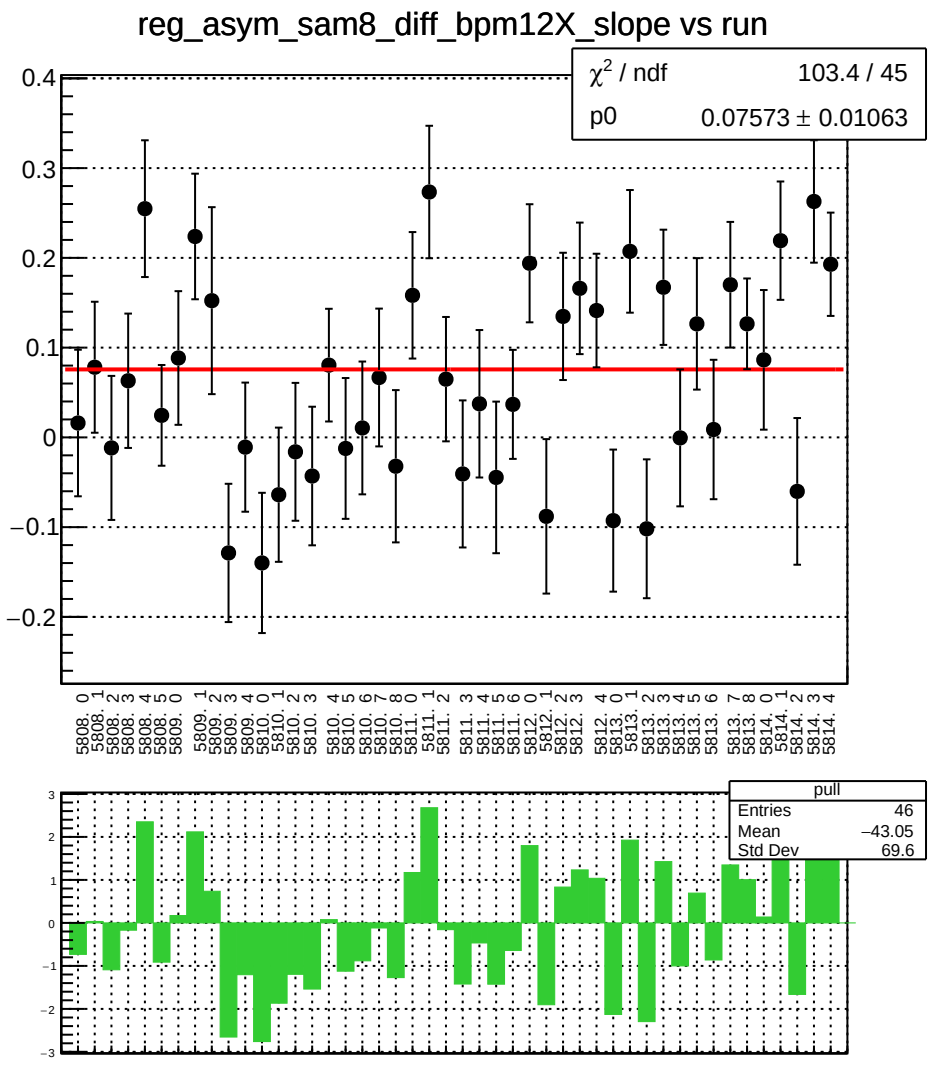

pull1D
Entries 46
Mean −0.04195
Std Dev 1.905

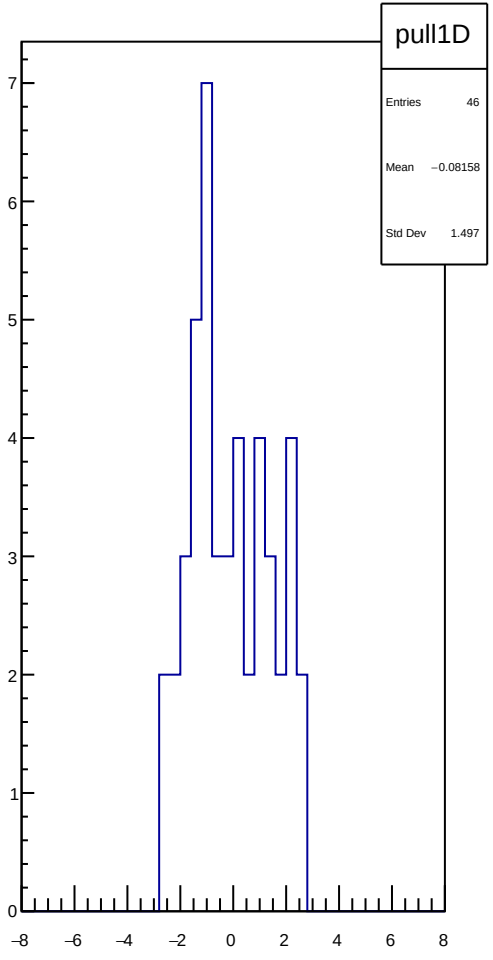

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 31.46 / 45
p0 −57.23 ± 0.234
pull
Entries 46
Mean 11.93
Std Dev 19.72

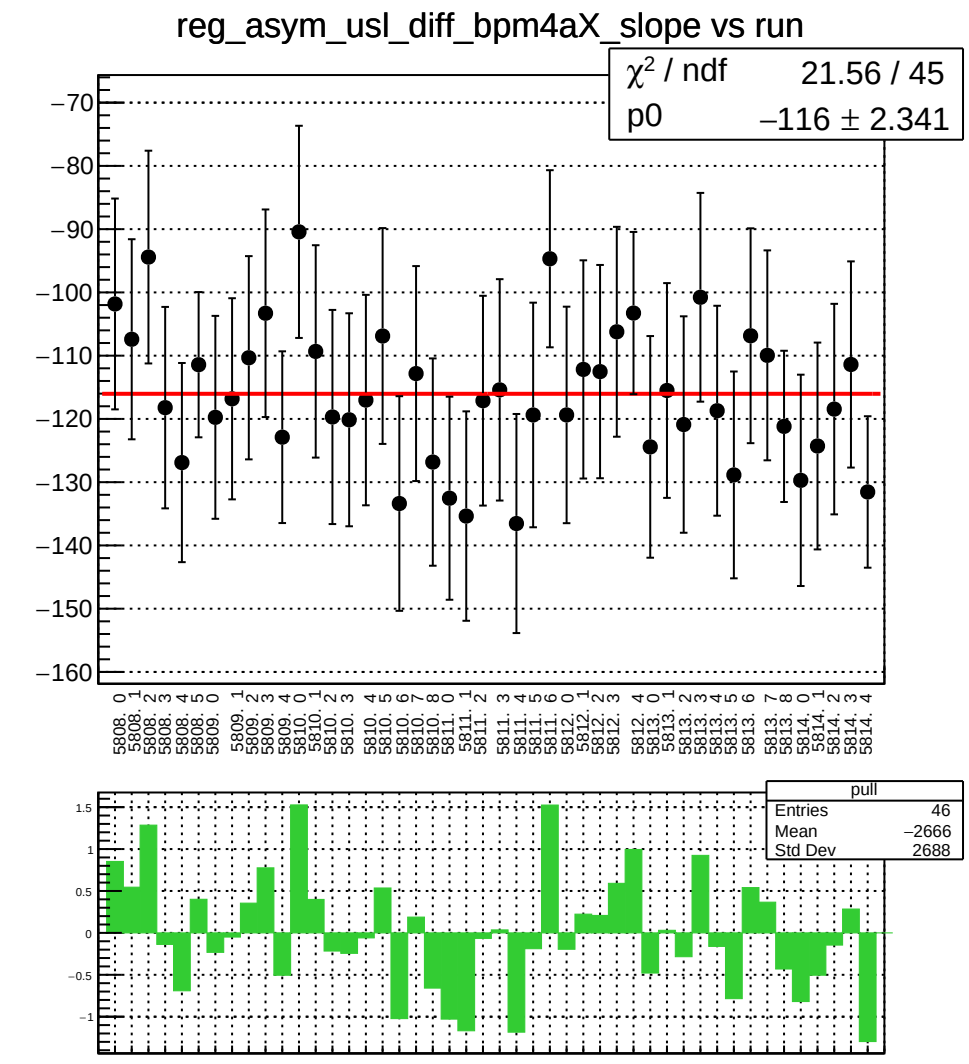

pull1D
Entries 46
Mean 0.01906
Std Dev 0.8267

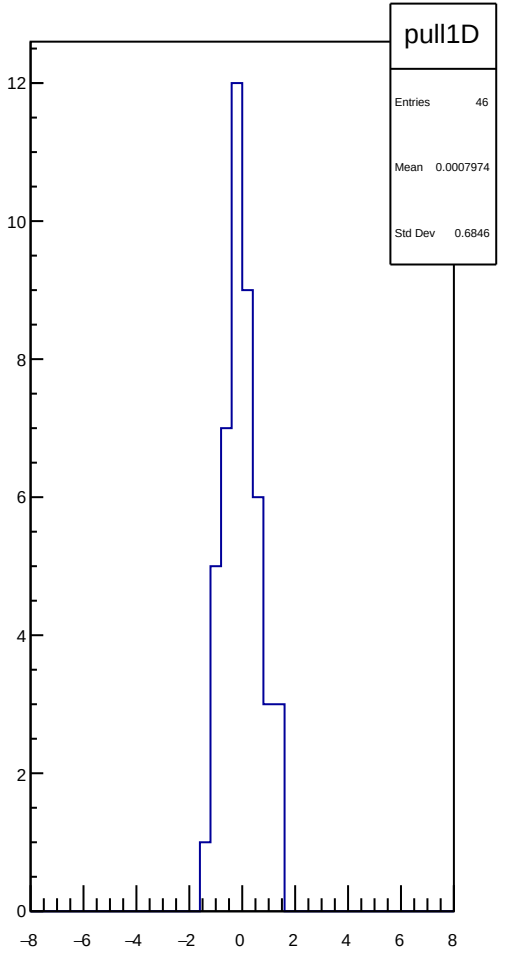

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 134.4 / 45
p0 47 ± 0.1782
pull
Entries 46
Mean 684.5
Std Dev 661.7

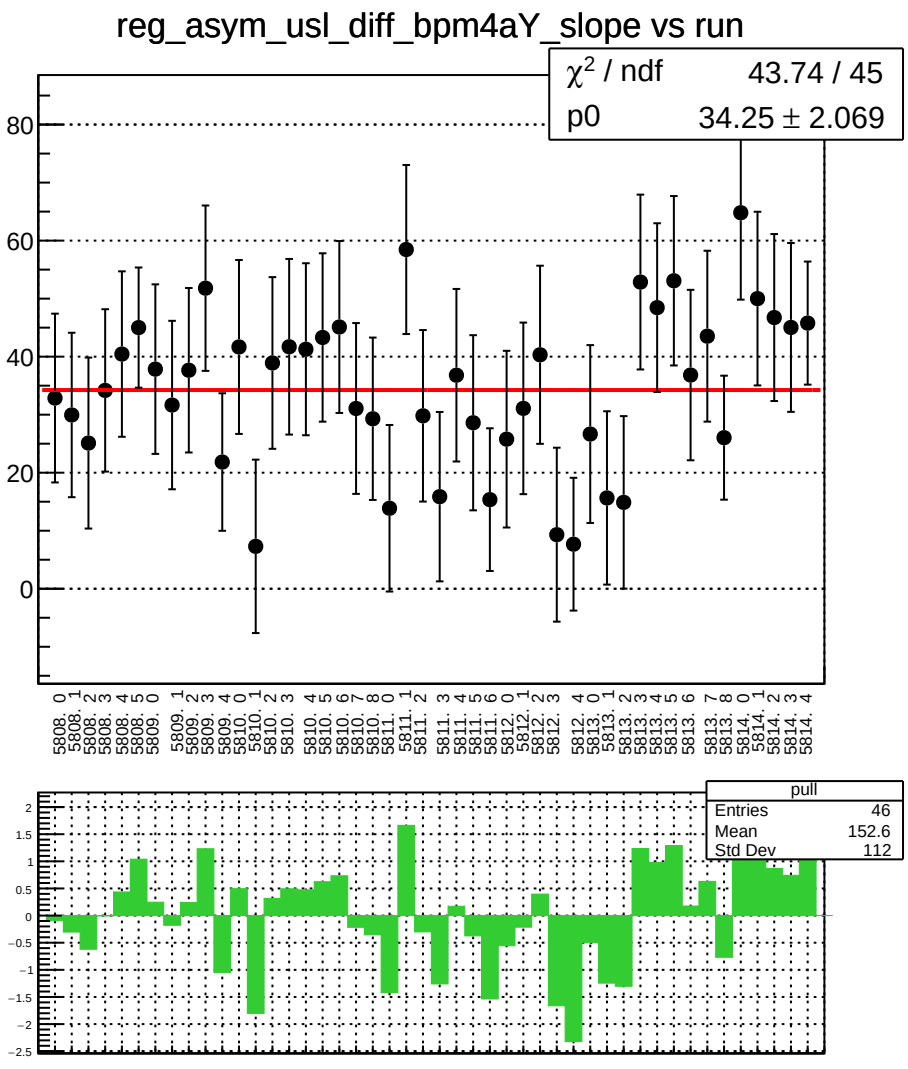

pull1D
Entries 46
Mean 0.02052
Std Dev 1.709

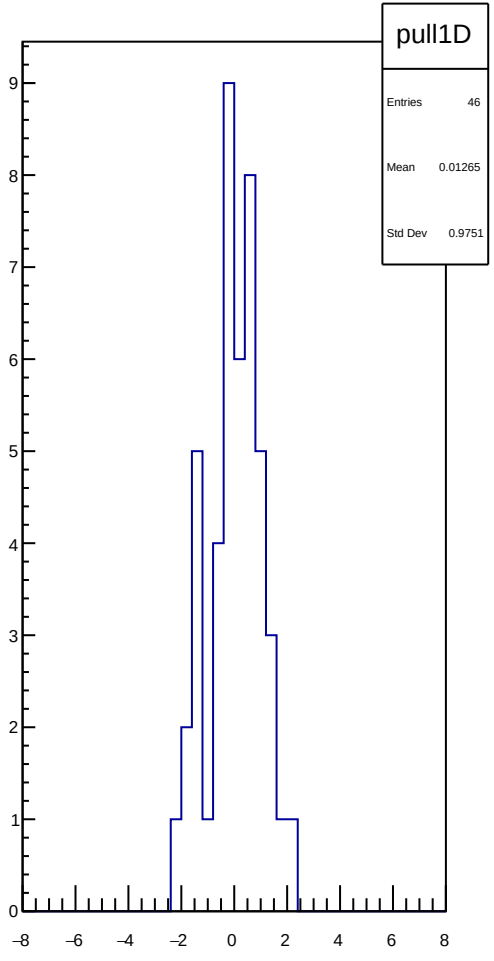

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 103.4 / 45
p0 0.07573 ± 0.01063
pull
Entries 46
Mean −43.05
Std Dev 69.6

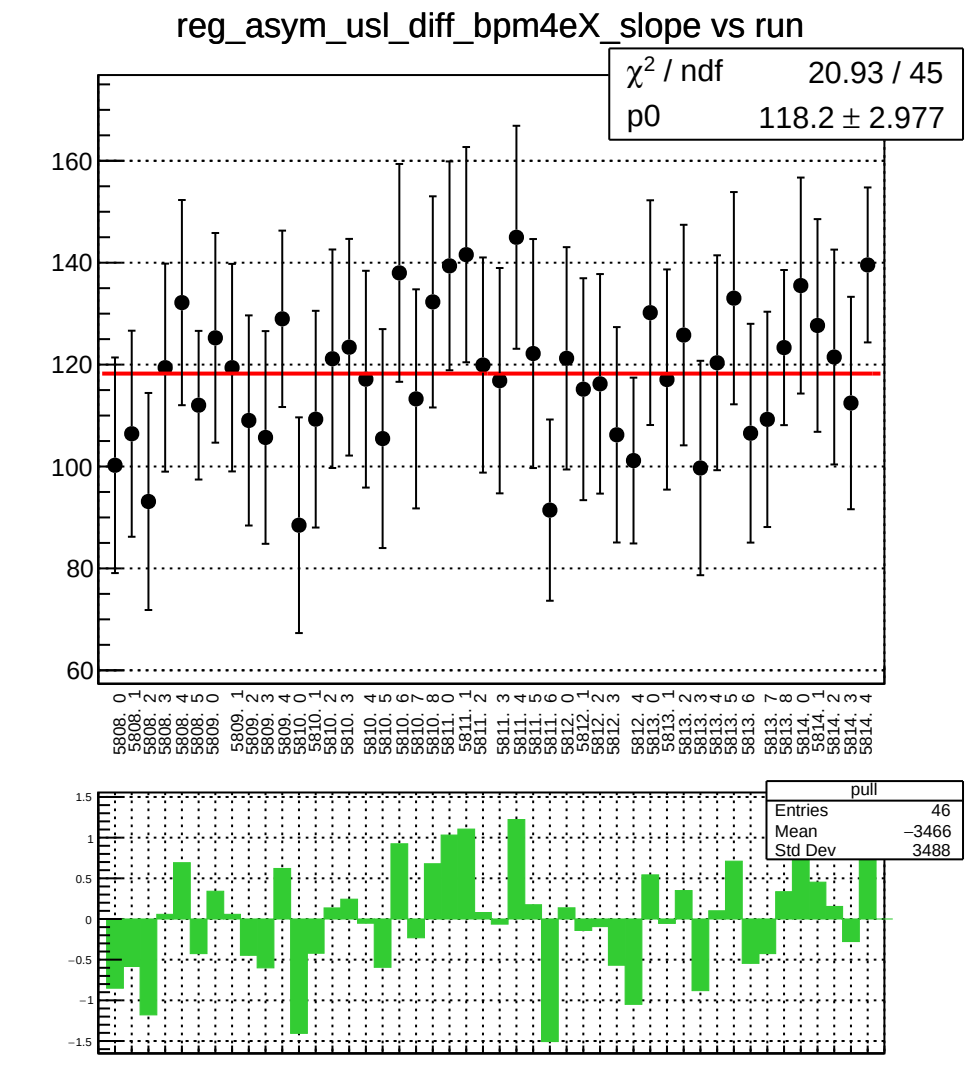

pull1D
Entries 46
Mean −0.08158
Std Dev 1.497

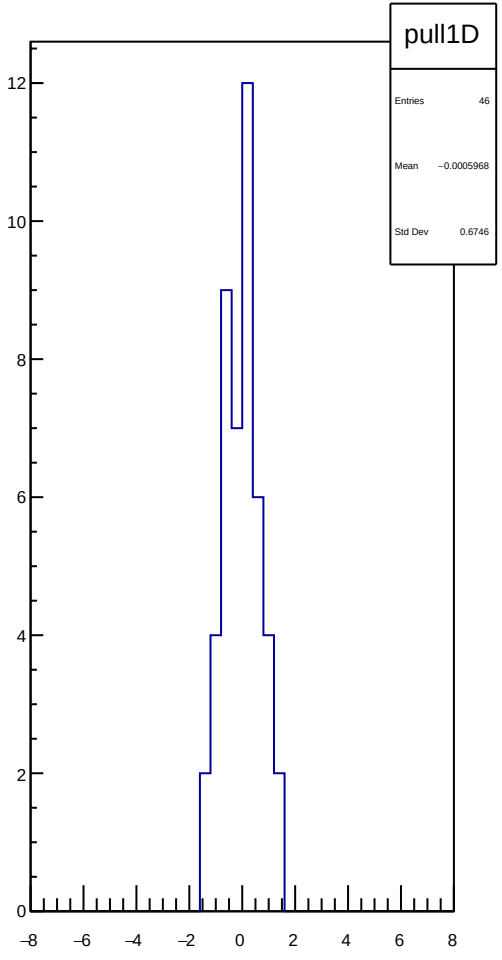

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 21.56 / 45
p0 −116 ± 2.341
pull
Entries 46
Mean −2666
Std Dev 2688

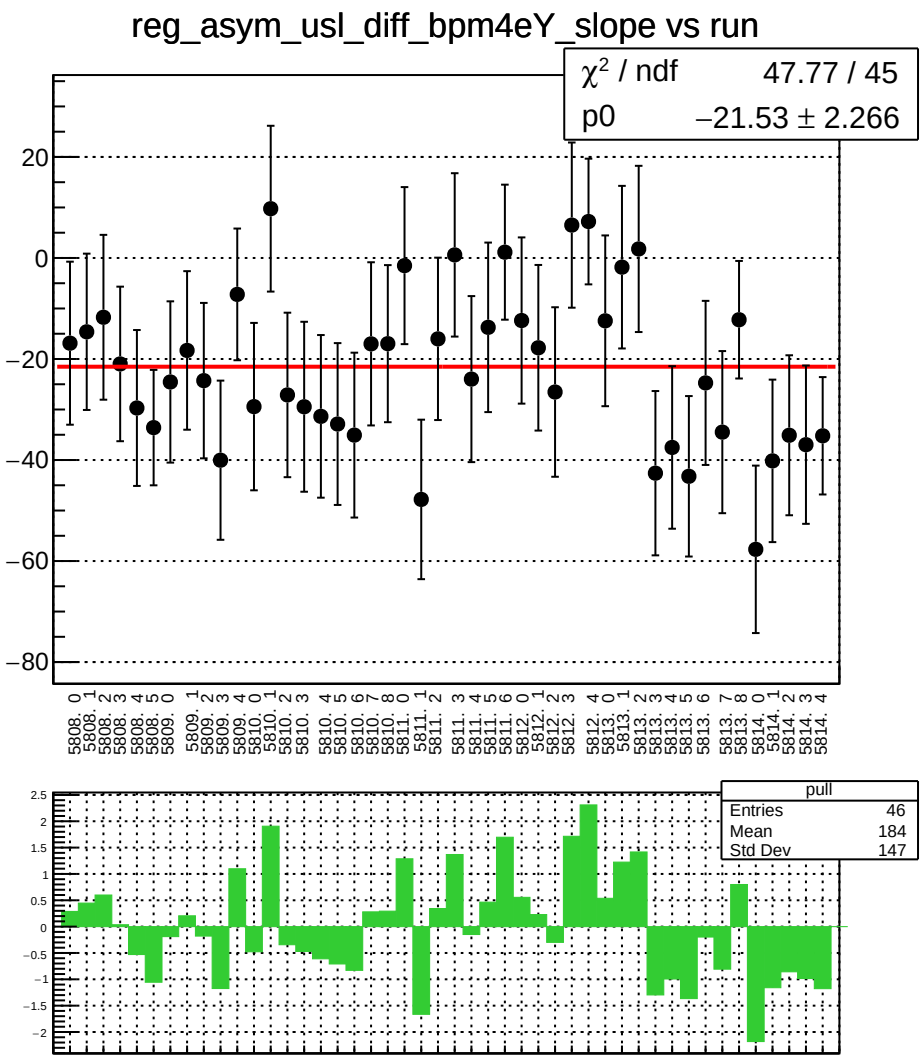

pull1D
Entries 46
Mean 0.0007974
Std Dev 0.6846

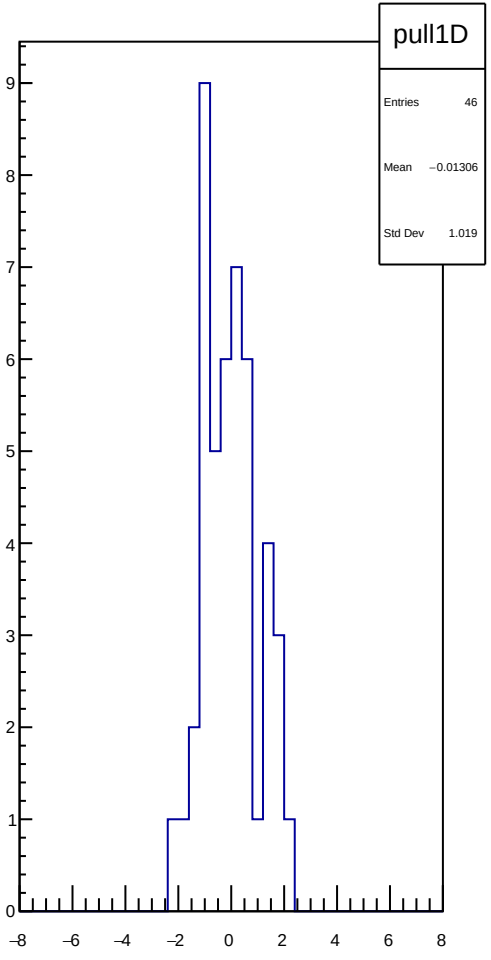

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 43.74 / 45
p0 34.25 ± 2.069
pull
Entries 46
Mean 152.6
Std Dev 112

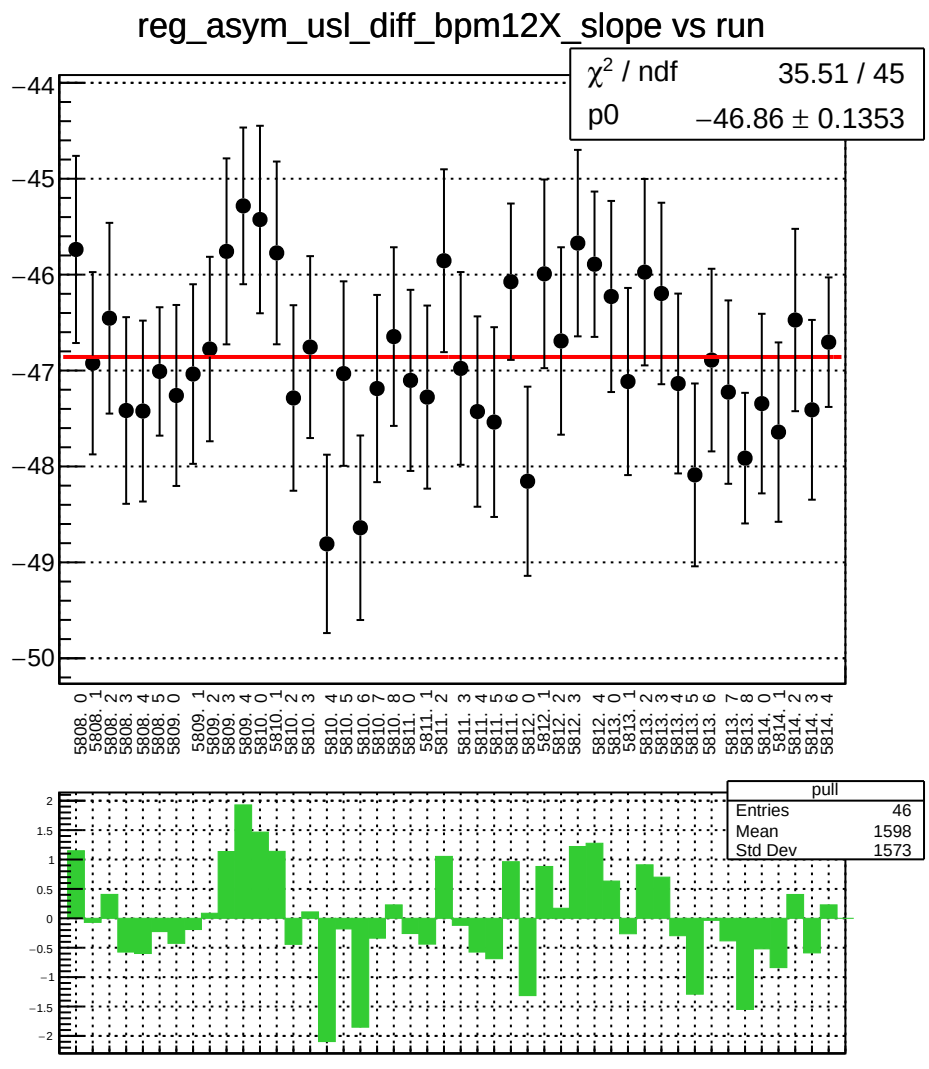

pull1D
Entries 46
Mean 0.01265
Std Dev 0.9751

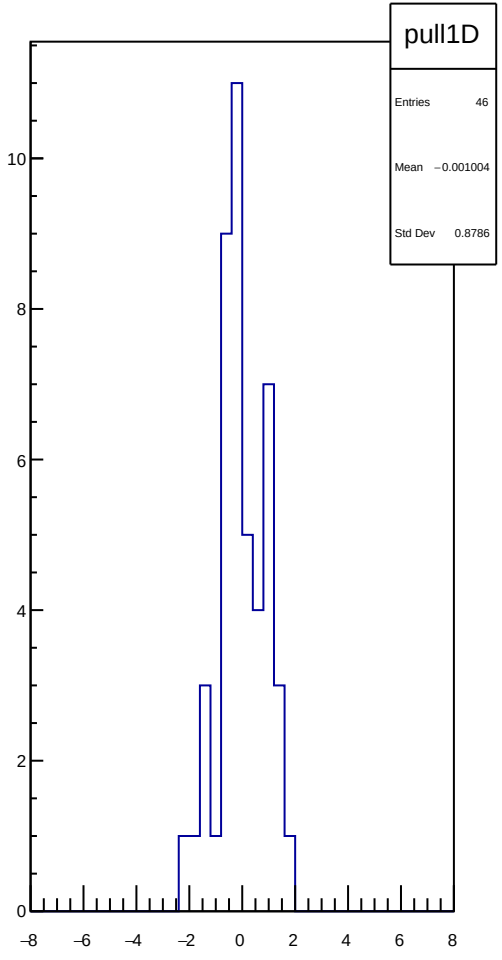

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 20.93 / 45
p0 118.2 ± 2.977
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −3466
Std Dev 3488
1.5
1
0.5
0
−0.5
−1
−1.5

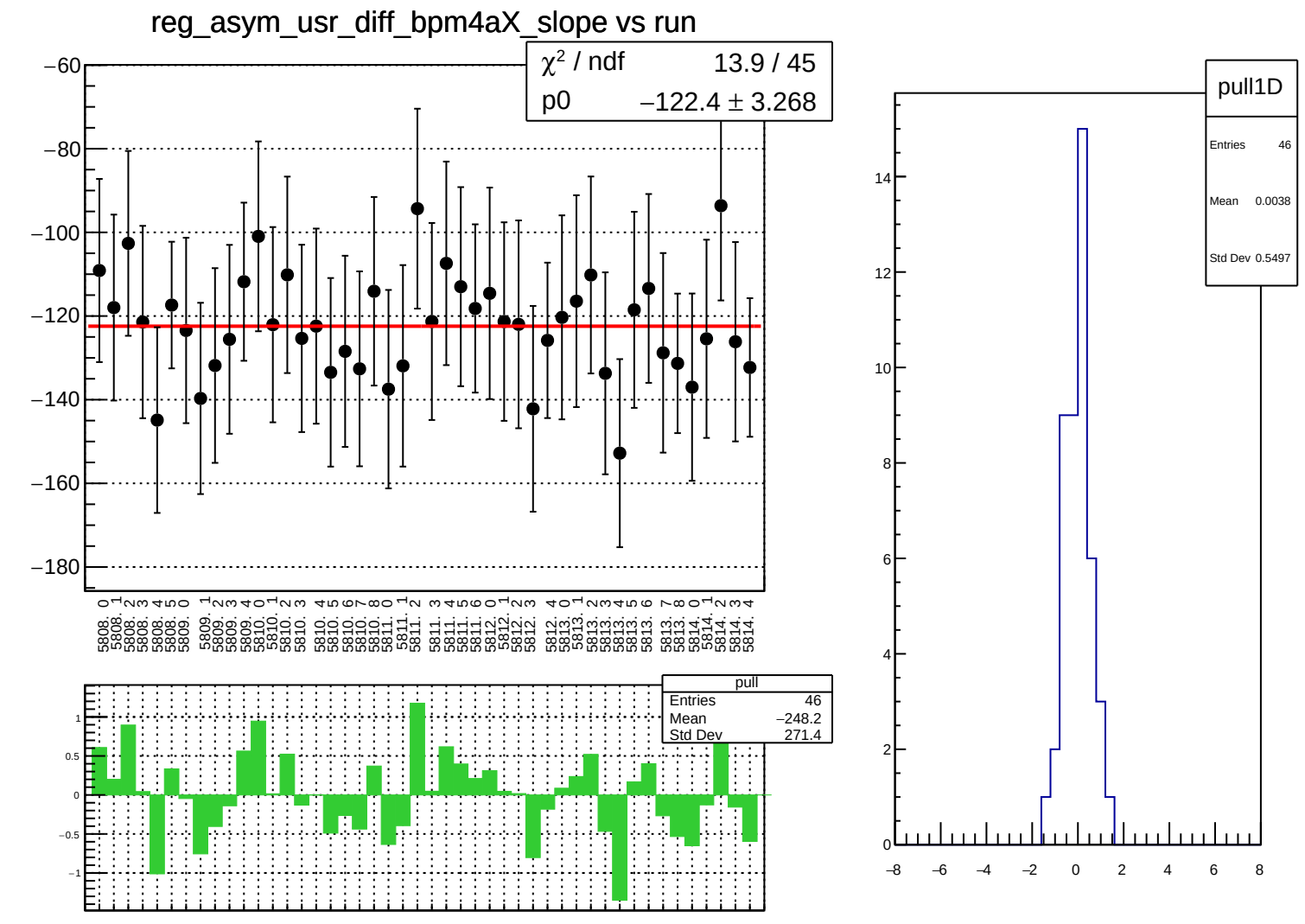

pull1D
Entries 46
Mean −0.0005968
Std Dev 0.6746
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

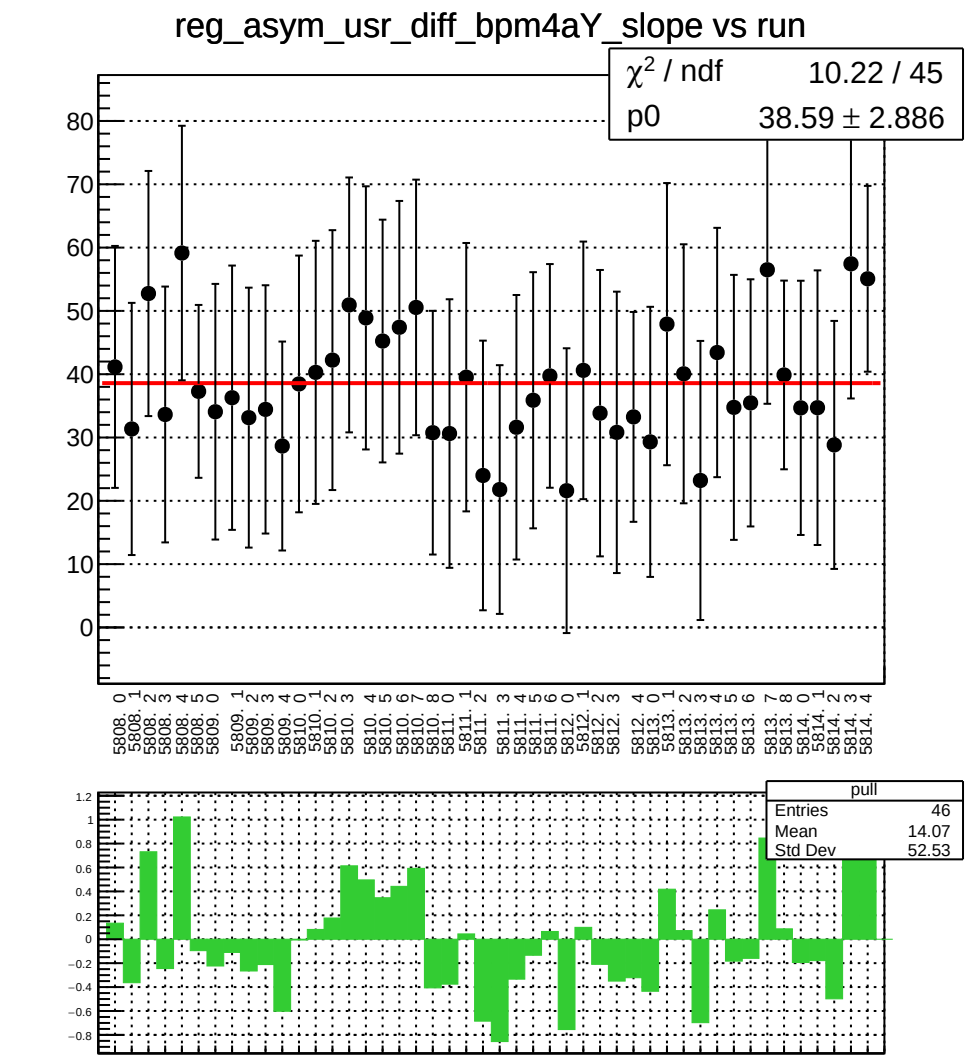

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 47.77 / 45
p0 −21.53 ± 2.266
20
0
−20
−40
−60
−80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 184
Std Dev 147
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

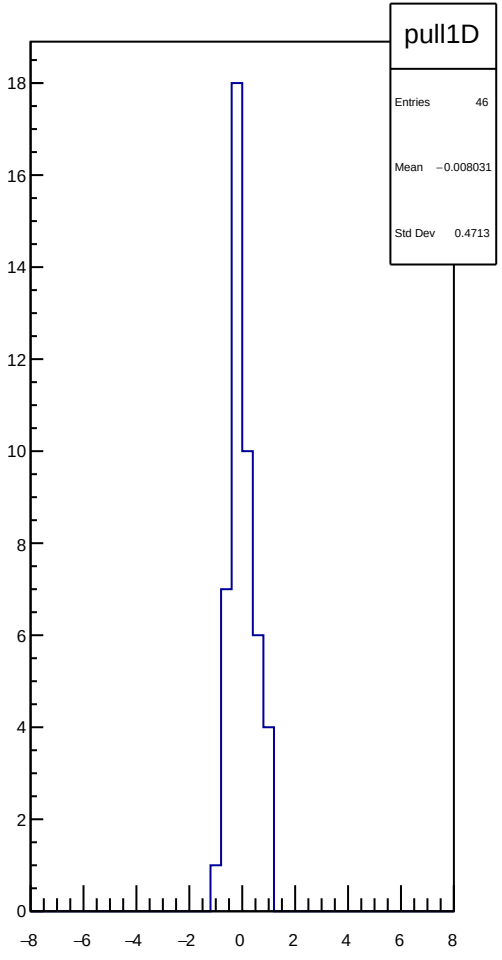

pull1D
Entries 46
Mean −0.01306
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

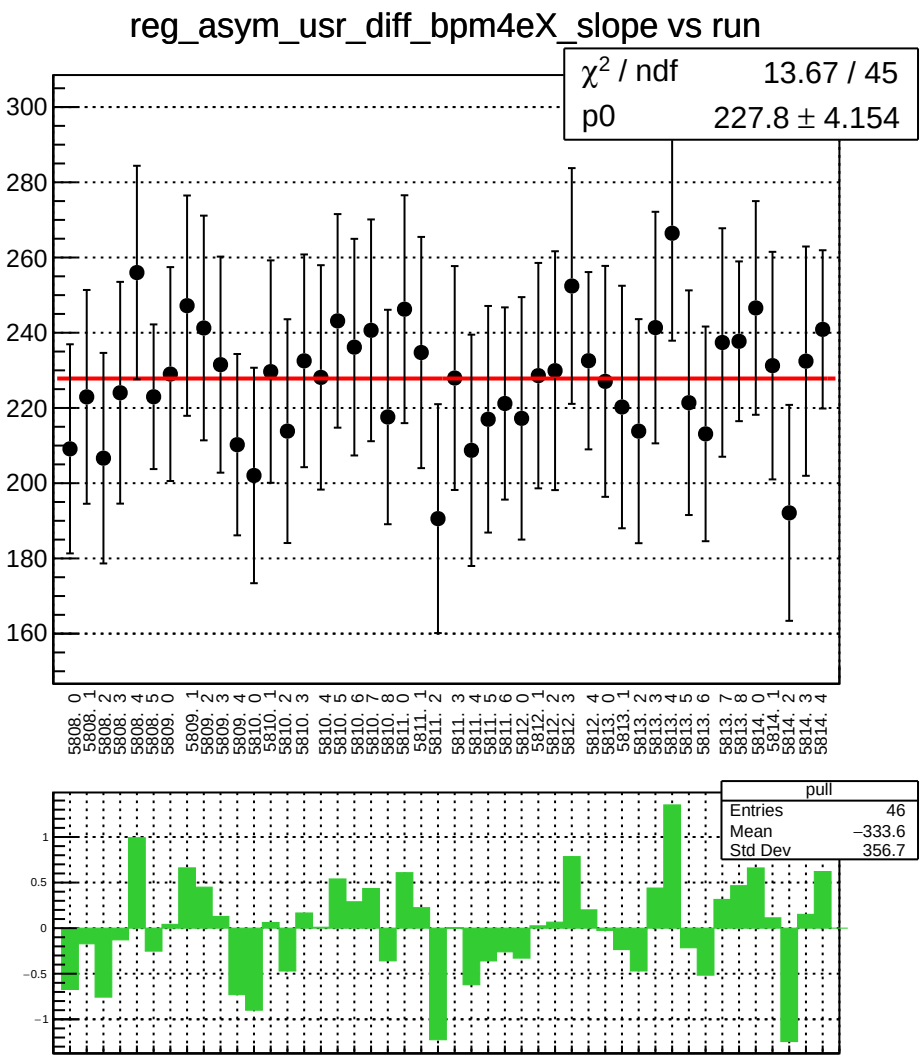

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 35.51 / 45
p0 −46.86 ± 0.1353
pull
Entries 46
Mean 1598
Std Dev 1573

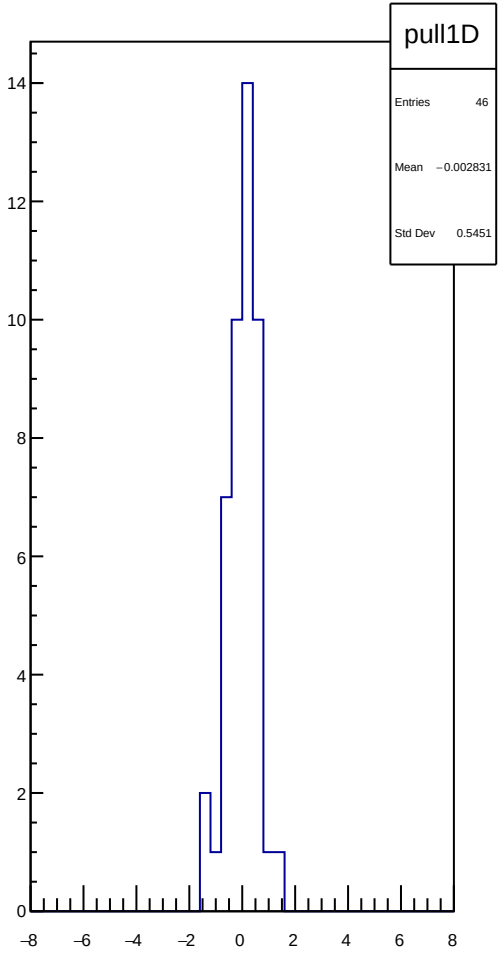

pull1D
Entries 46
Mean −0.001004
Std Dev 0.8786

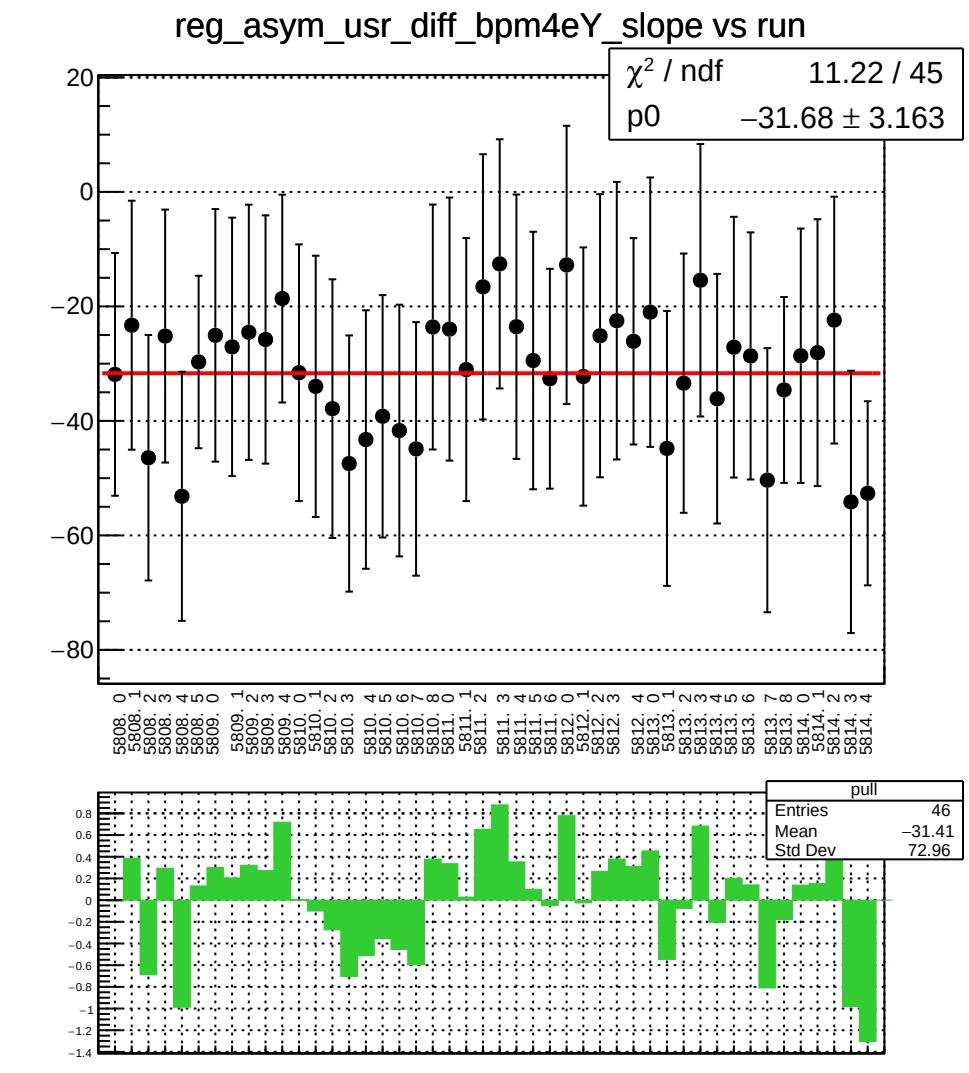

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 13.9 / 45
p0 −122.4 ± 3.268
pull
Entries 46
Mean −248.2
Std Dev 271.4
pull1D
Entries 46
Mean 0.0038
Std Dev 0.5497

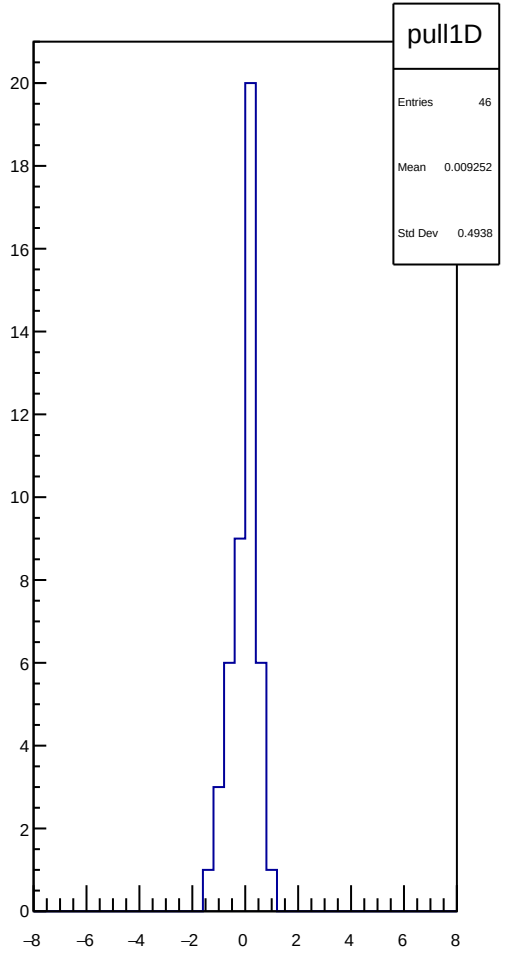

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 10.22 / 45
p0 38.59 ± 2.886
pull
Entries 46
Mean 14.07
Std Dev 52.53

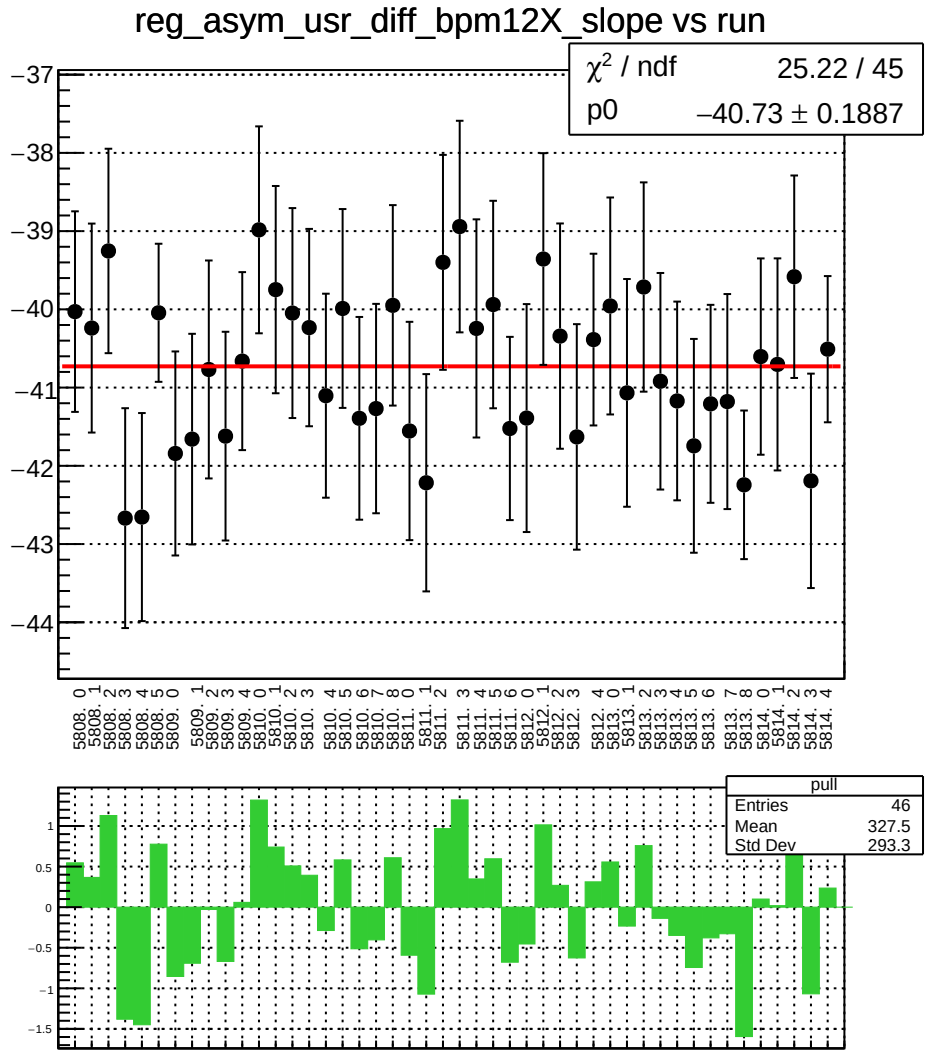

pull1D
Entries 46
Mean −0.008031
Std Dev 0.4713

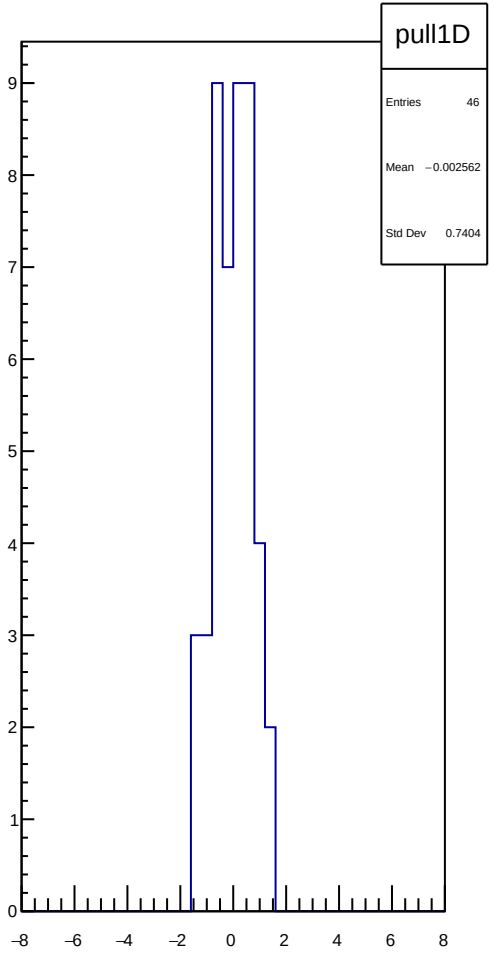

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 13.67 / 45
p0 227.8 ± 4.154
300
280
260
240
220
200
180
160
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −333.6
Std Dev 356.7
1
0.5
0
−0.5
−1

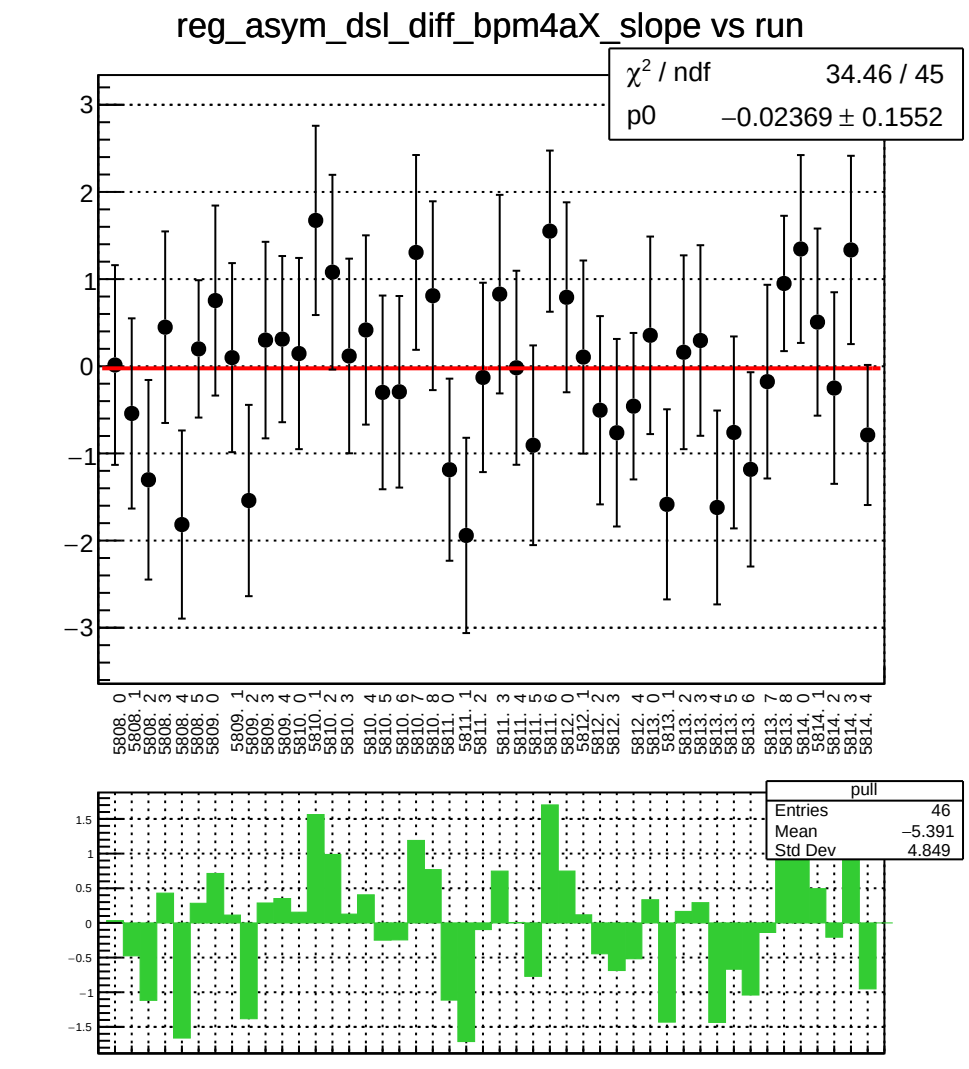

pull1D
Entries 46
Mean −0.002831
Std Dev 0.5451
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

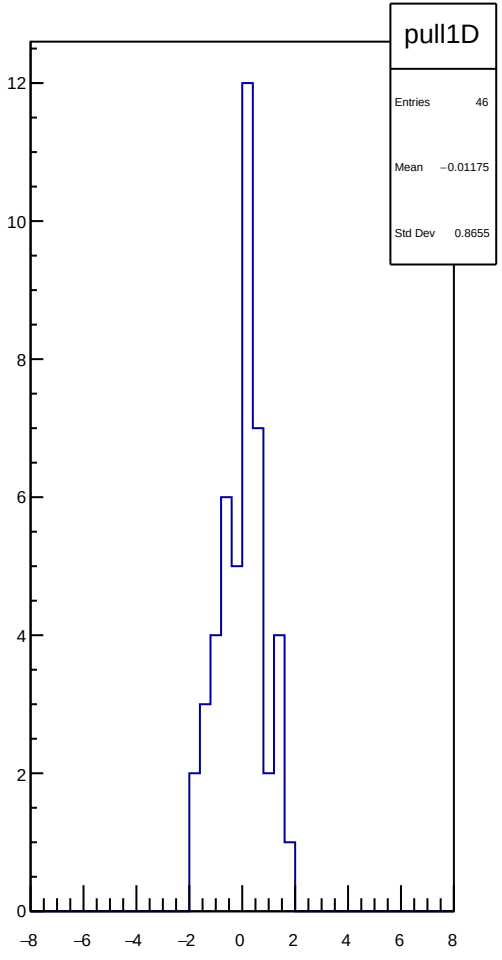

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 11.22 / 45
p0 −31.68 ± 3.163
pull
Entries 46
Mean −31.41
Std Dev 72.96

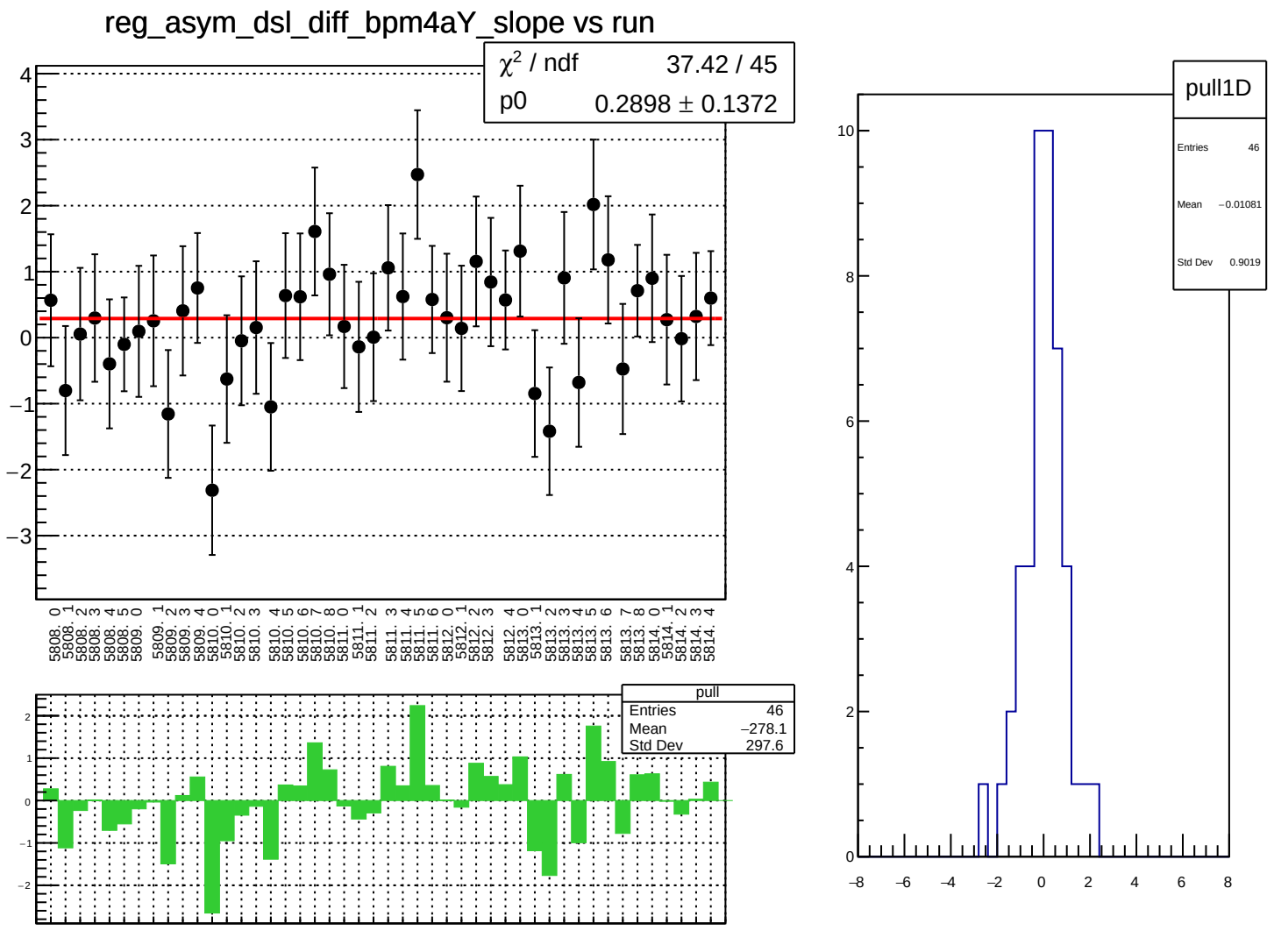

pull1D
Entries 46
Mean 0.009252
Std Dev 0.4938

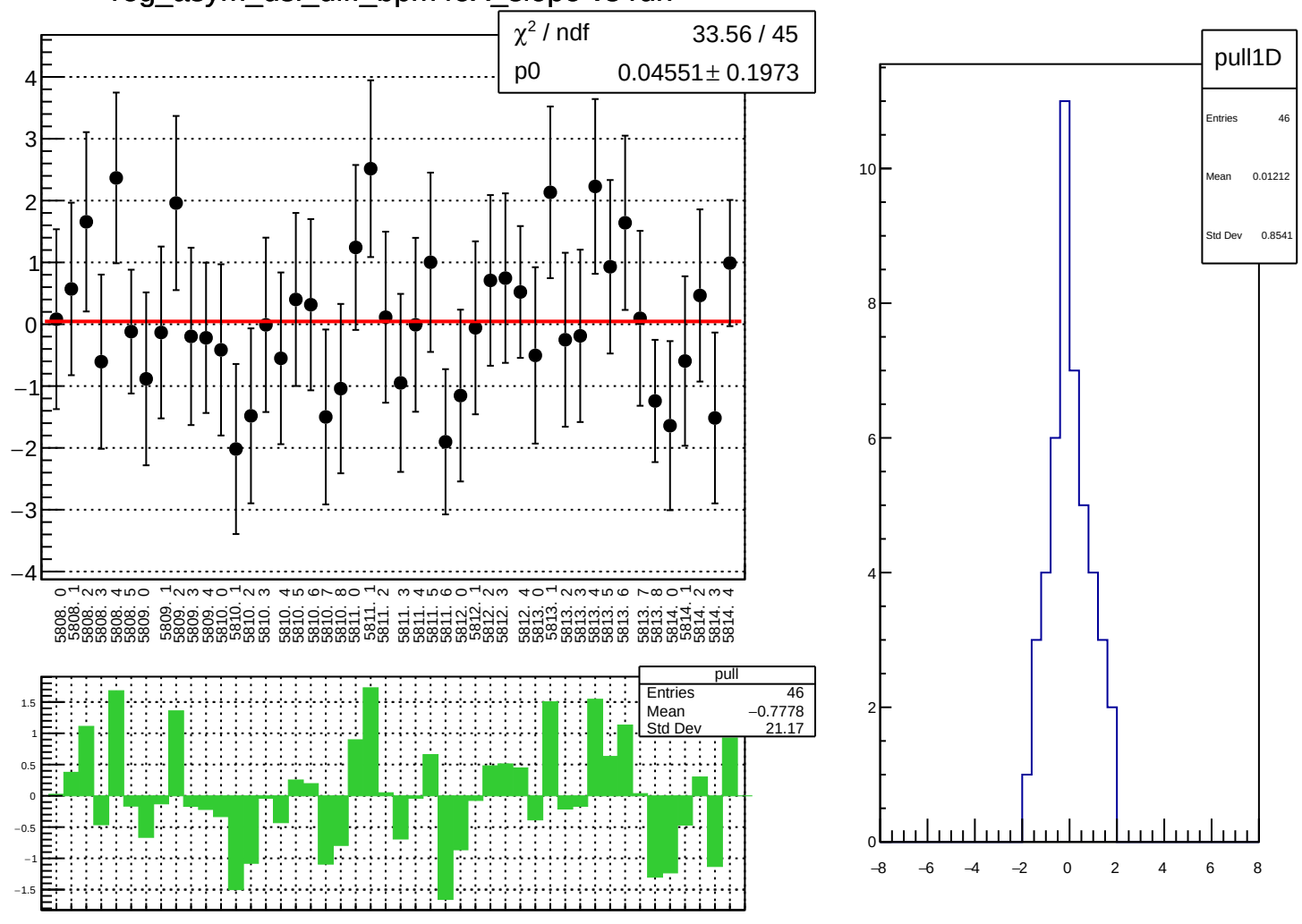

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 25.22 / 45
p0 −40.73 ± 0.1887
pull
Entries 46
Mean 327.5
Std Dev 293.3

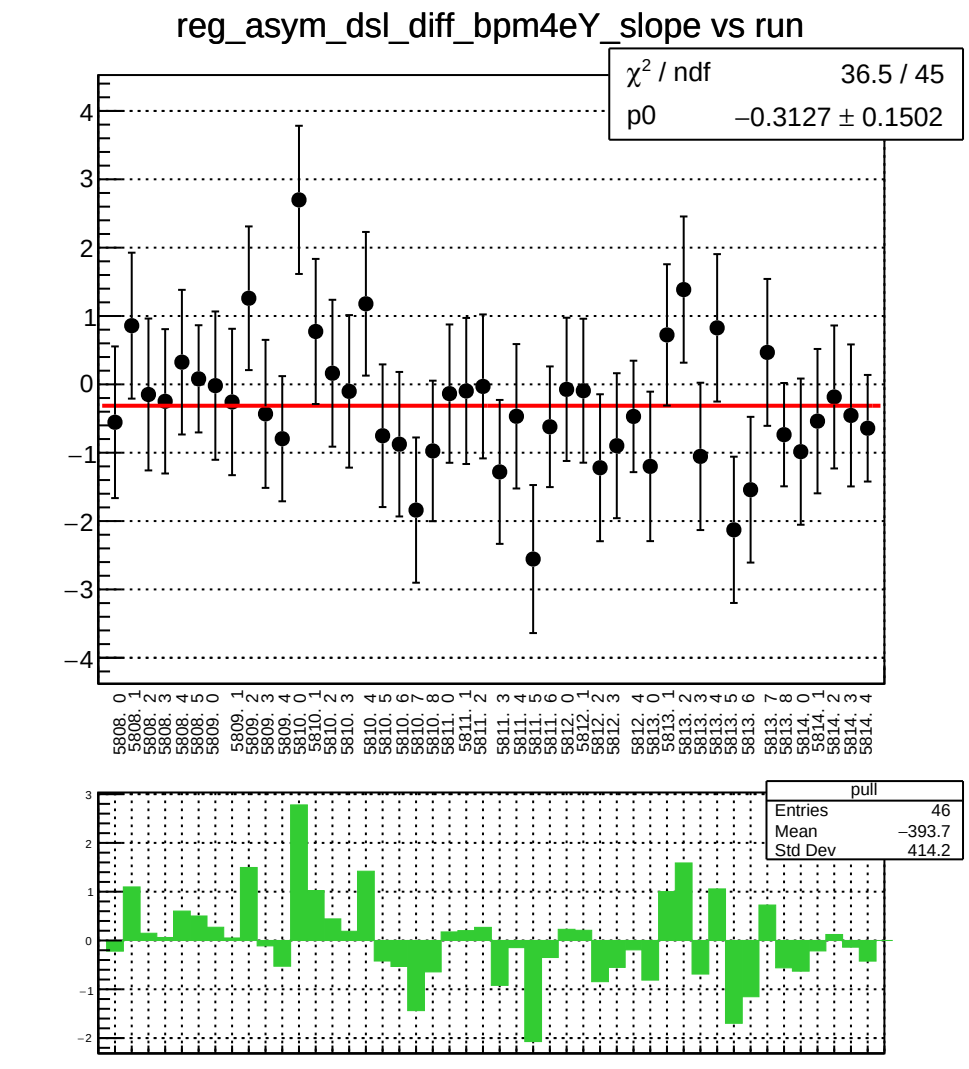

pull1D
Entries 46
Mean −0.002562
Std Dev 0.7404

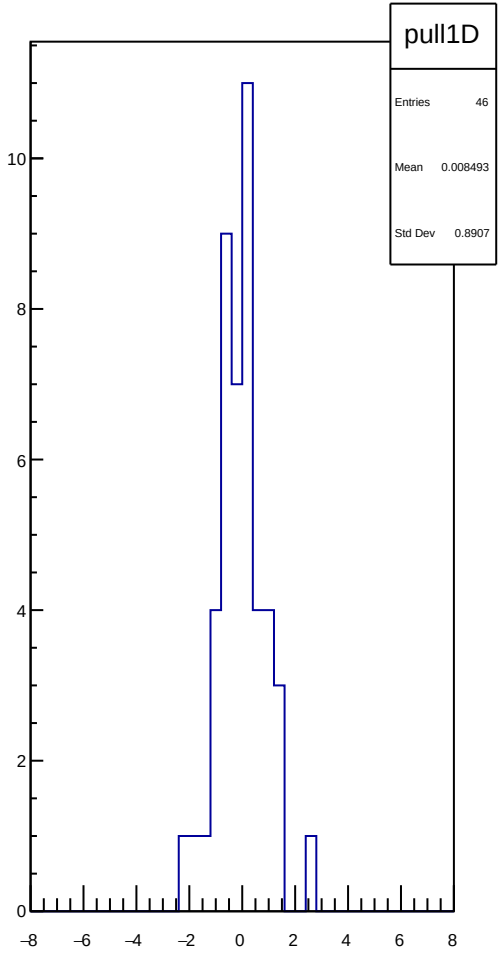

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 34.46 / 45
p0 −0.02369 ± 0.1552
pull
Entries 46
Mean −5.391
Std Dev 4.849

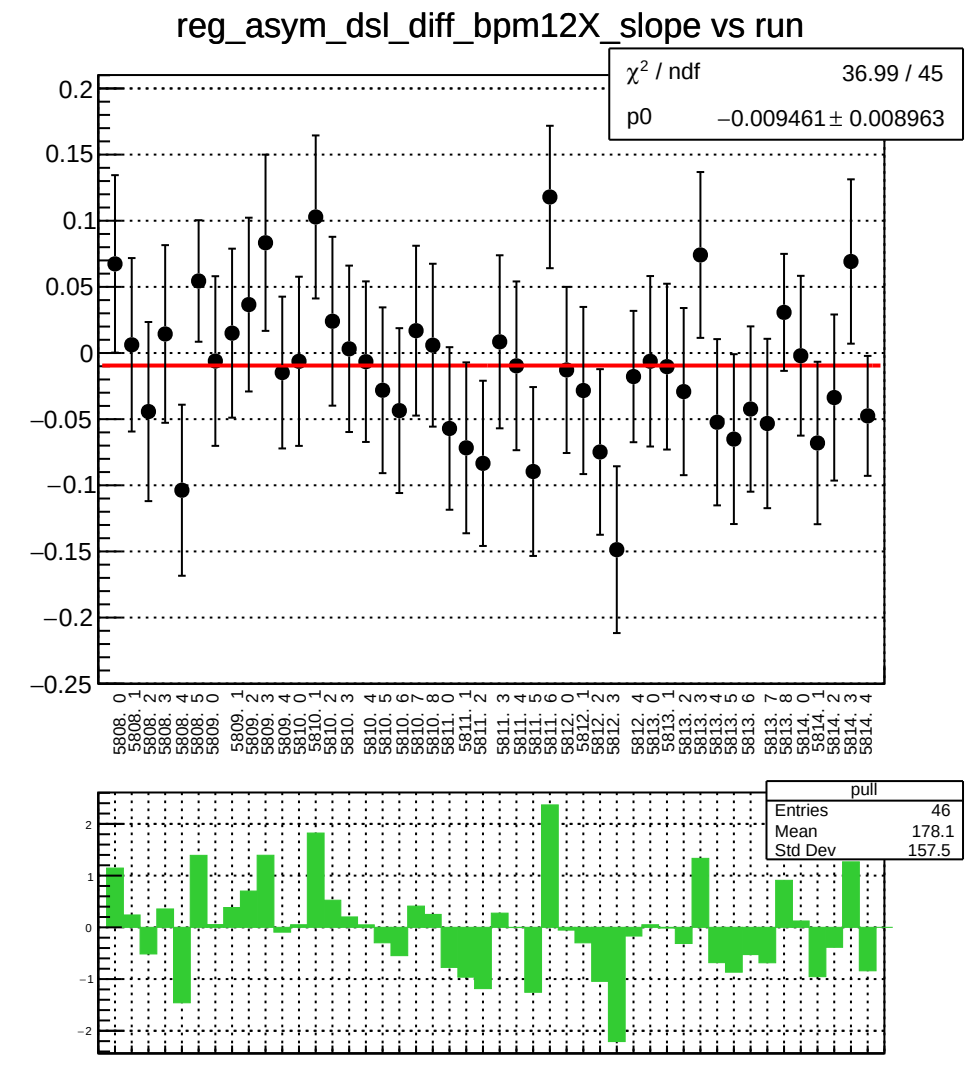

pull1D
Entries 46
Mean −0.01175
Std Dev 0.8655

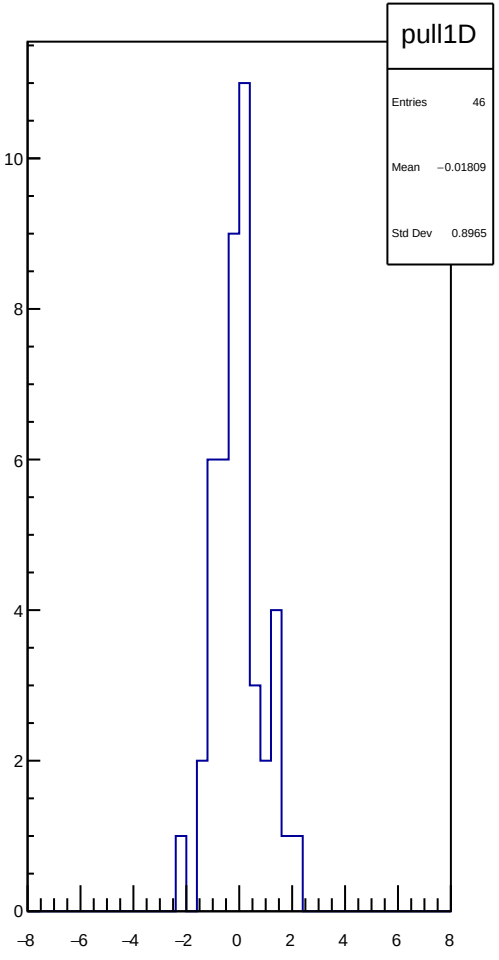

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 37.42 / 45
p0 0.2898 ± 0.1372
pull
Entries 46
Mean −278.1
Std Dev 297.6
pull1D
Entries 46
Mean −0.01081
Std Dev 0.9019

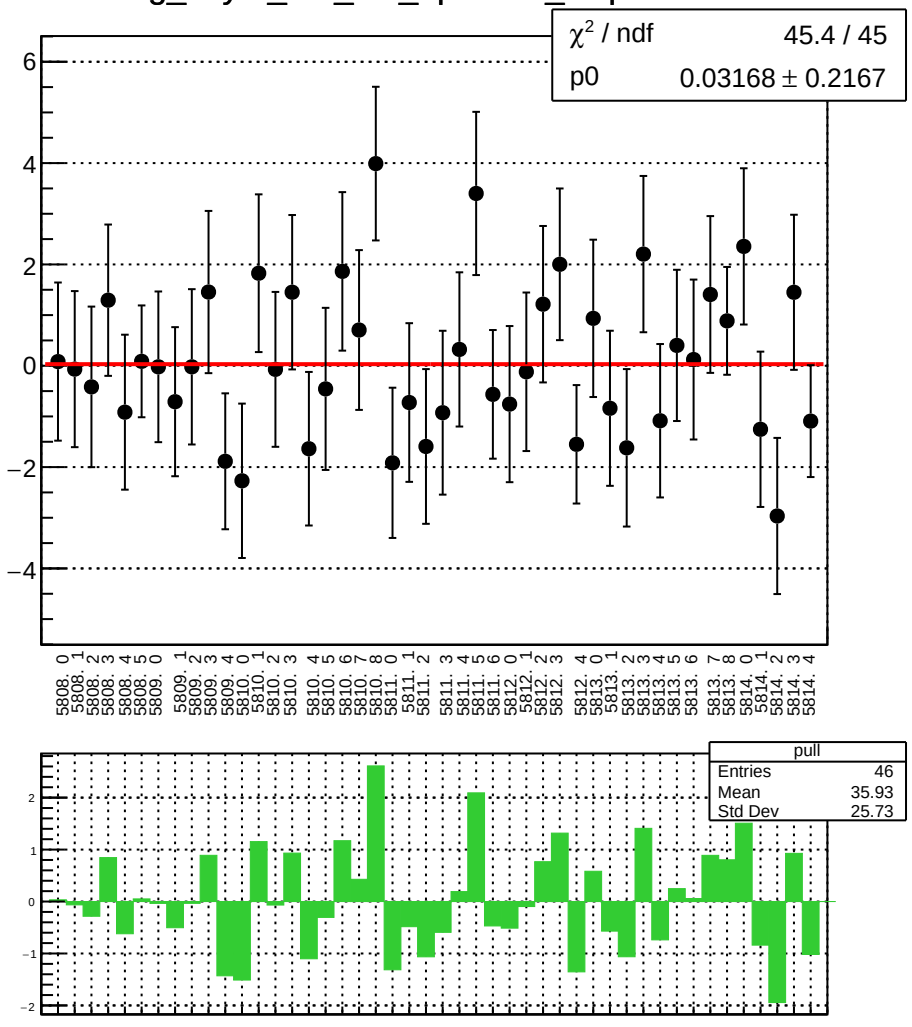

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 33.56 / 45
p0 0.04551 ± 0.1973
pull
Entries 46
Mean −0.7778
Std Dev 21.17
pull1D
Entries 46
Mean 0.01212
Std Dev 0.8541

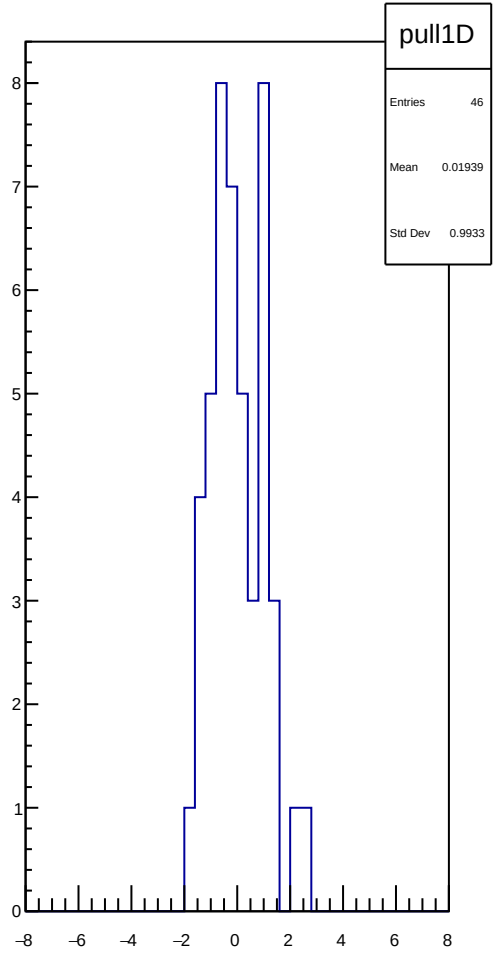

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 36.5 / 45
p0 −0.3127 ± 0.1502
pull
Entries 46
Mean −393.7
Std Dev 414.2

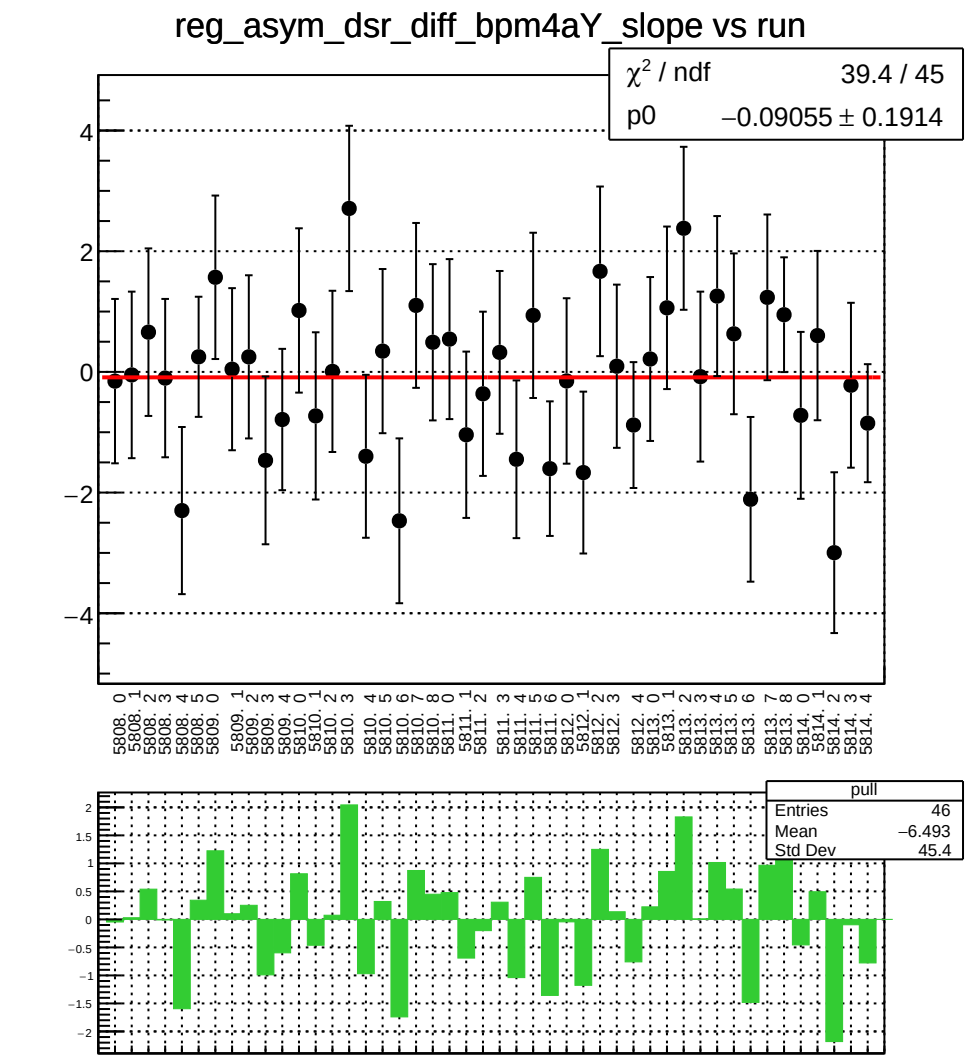

pull1D
Entries 46
Mean 0.008493
Std Dev 0.8907

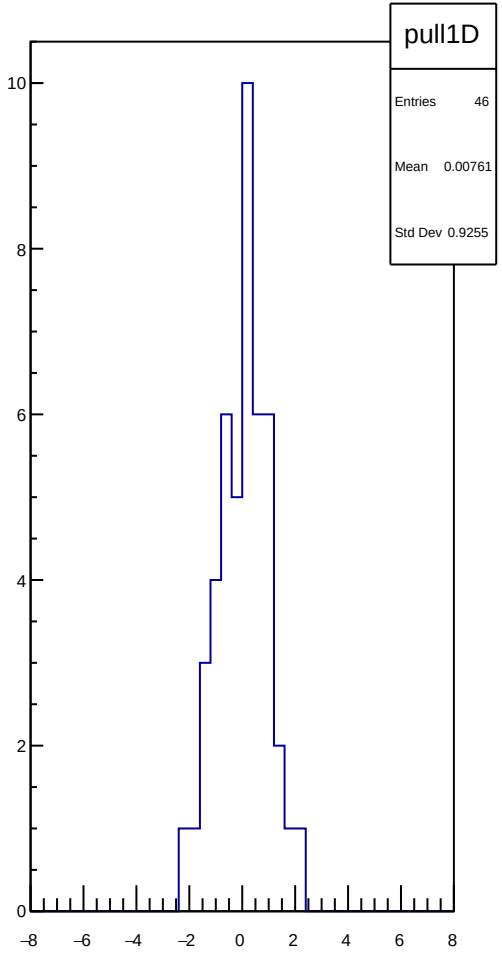

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 36.99 / 45
p0 −0.009461 ± 0.008963
pull
Entries 46
Mean 178.1
Std Dev 157.5

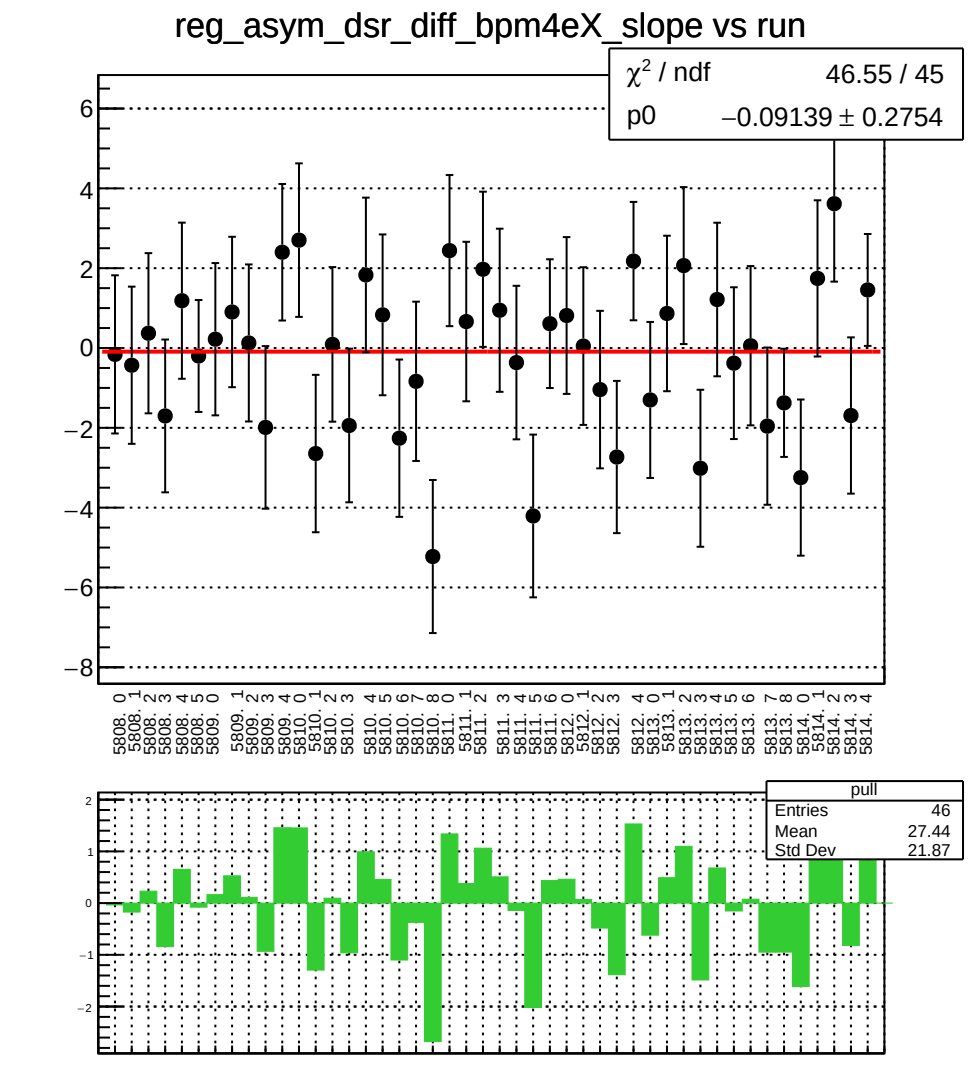

pull1D
Entries 46
Mean −0.01809
Std Dev 0.8965

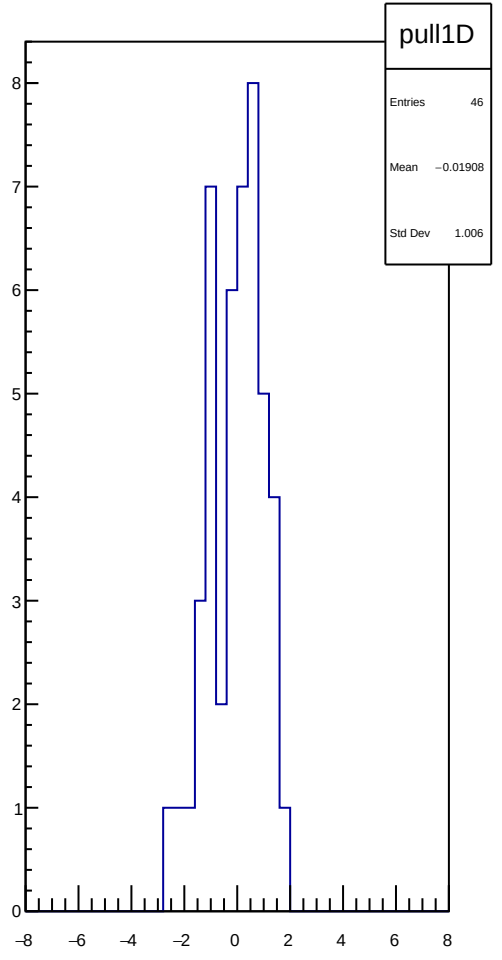

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 45.4 / 45
p0 0.03168 ± 0.2167
pull
Entries 46
Mean 35.93
Std Dev 25.73

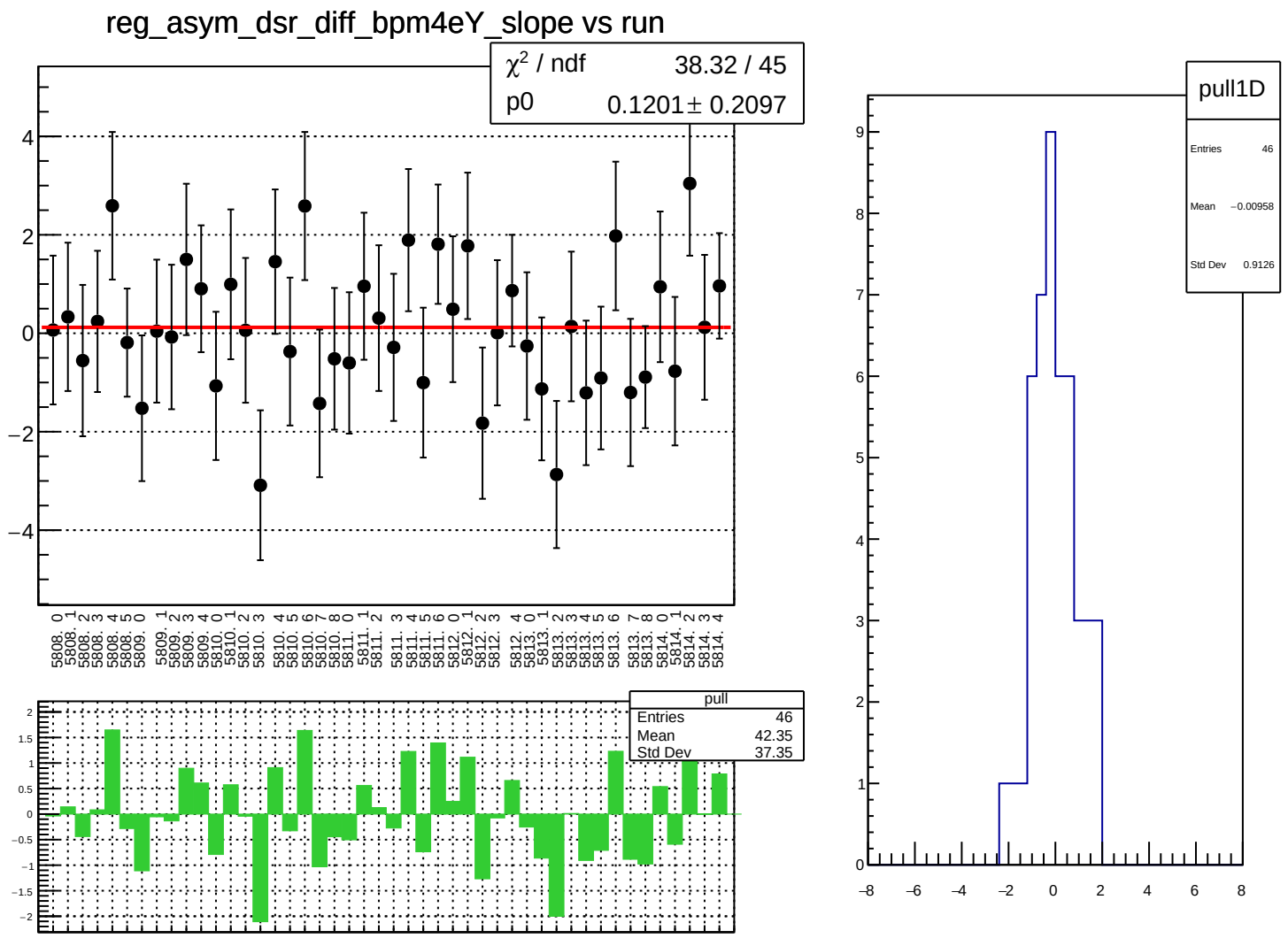

pull1D
Entries 46
Mean 0.01939
Std Dev 0.9933

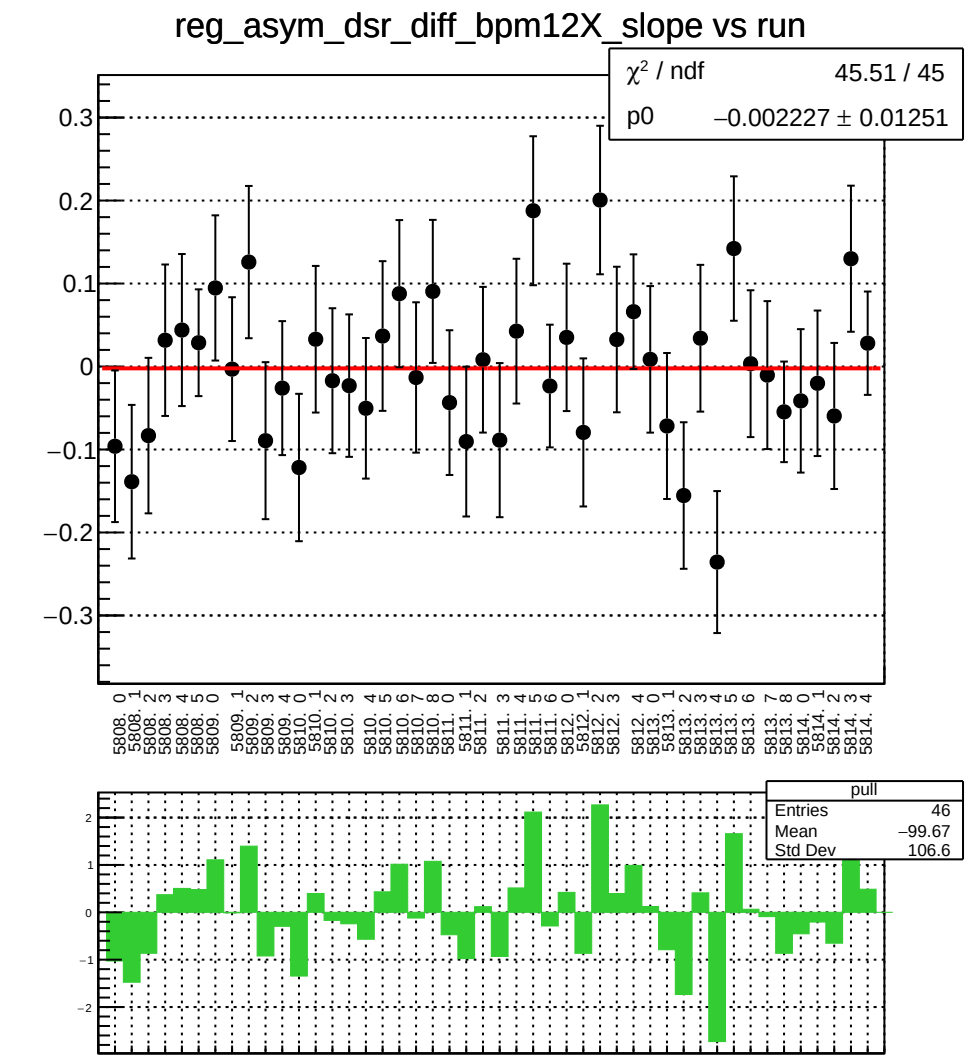

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 39.4 / 45
p0 −0.09055 ± 0.1914
pull
Entries 46
Mean −6.493
Std Dev 45.4

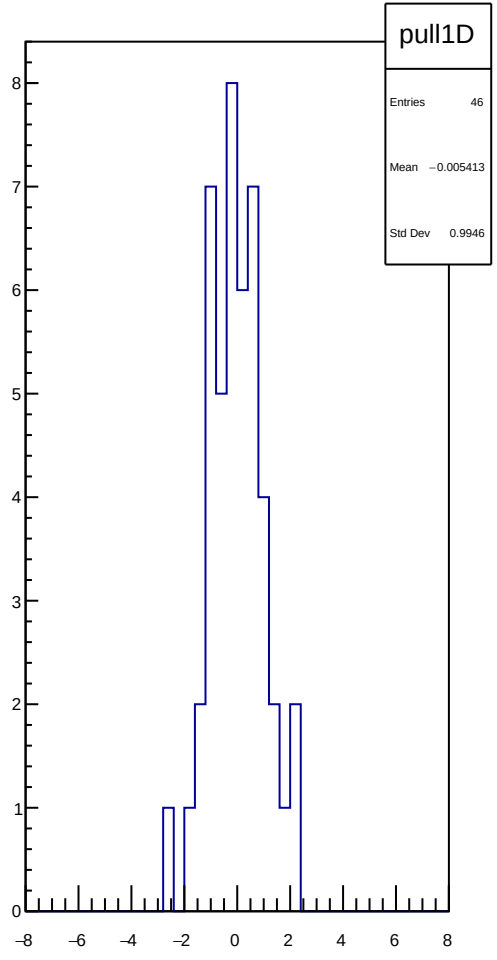

pull1D
Entries 46
Mean 0.00761
Std Dev 0.9255

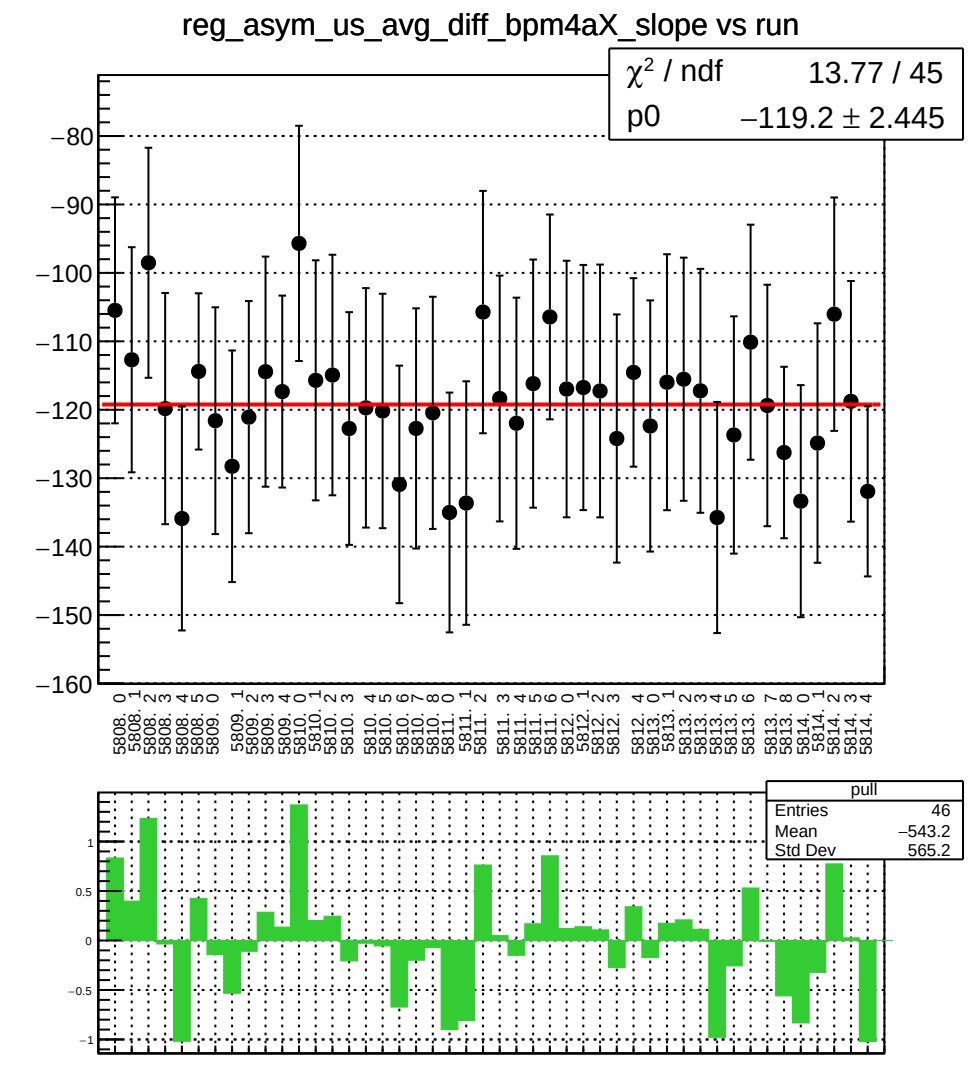

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 46.55 / 45
p0 −0.09139 ± 0.2754
pull
Entries 46
Mean 27.44
Std Dev 21.87

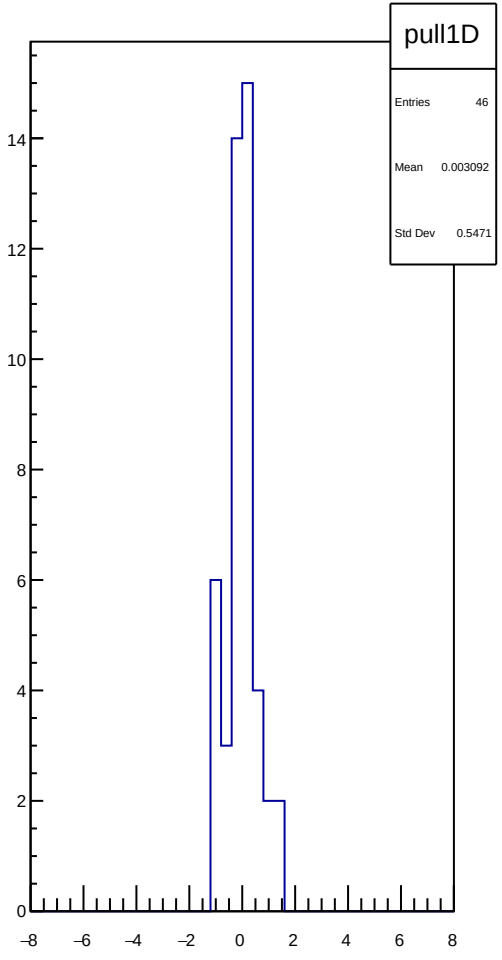

pull1D
Entries 46
Mean −0.01908
Std Dev 1.006

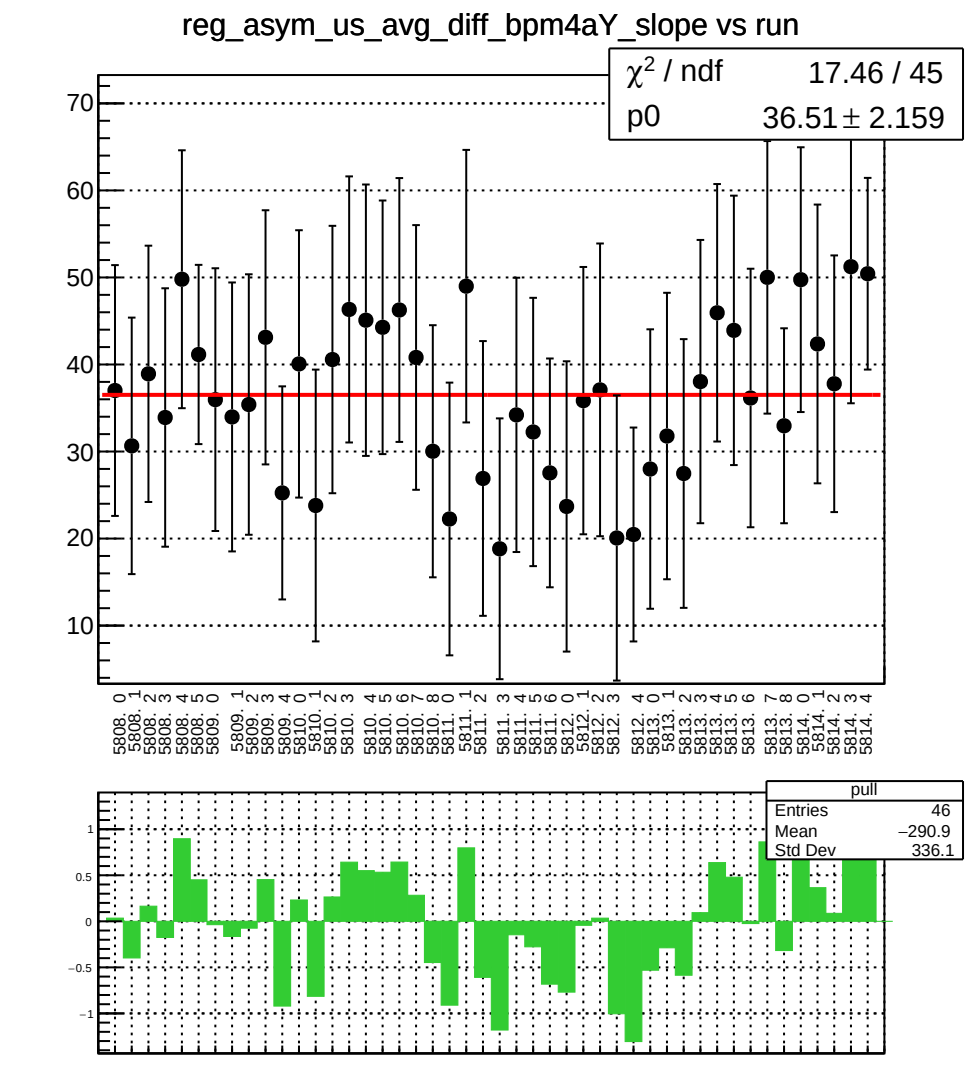

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 38.32 / 45
p0 0.1201 ± 0.2097
pull
Entries 46
Mean 42.35
Std Dev 37.35
pull1D
Entries 46
Mean −0.00958
Std Dev 0.9126

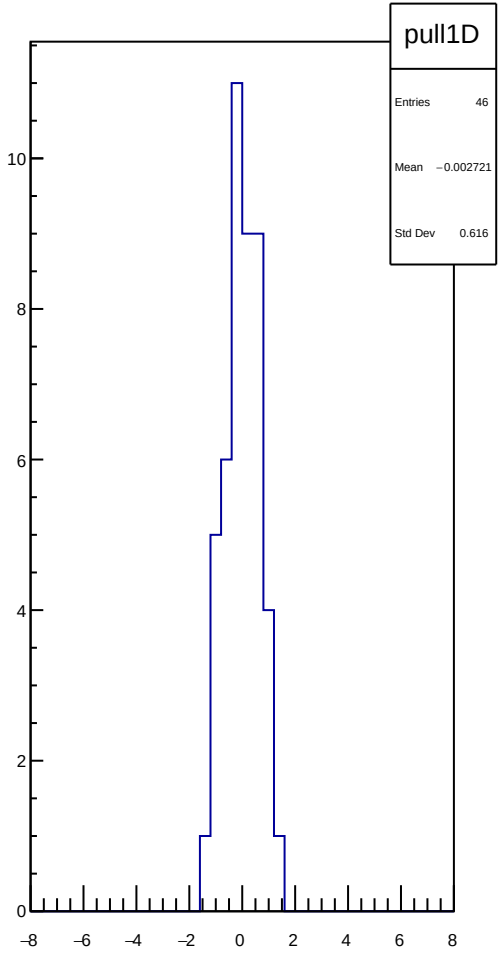

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 45.51 / 45
p0 −0.002227 ± 0.01251
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −99.67
Std Dev 106.6
2
1
0
−1
−2

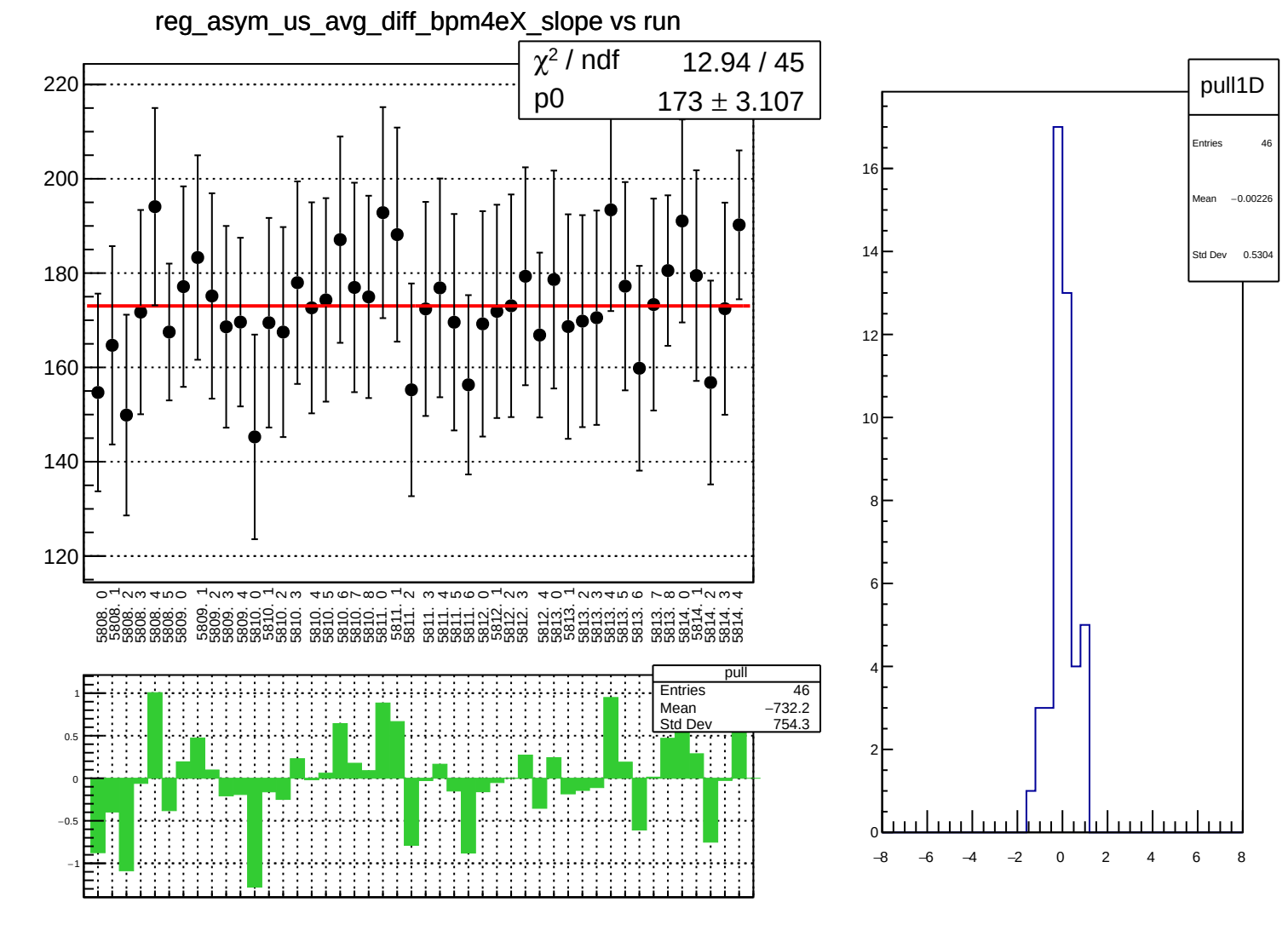

pull1D
Entries 46
Mean −0.005413
Std Dev 0.9946
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

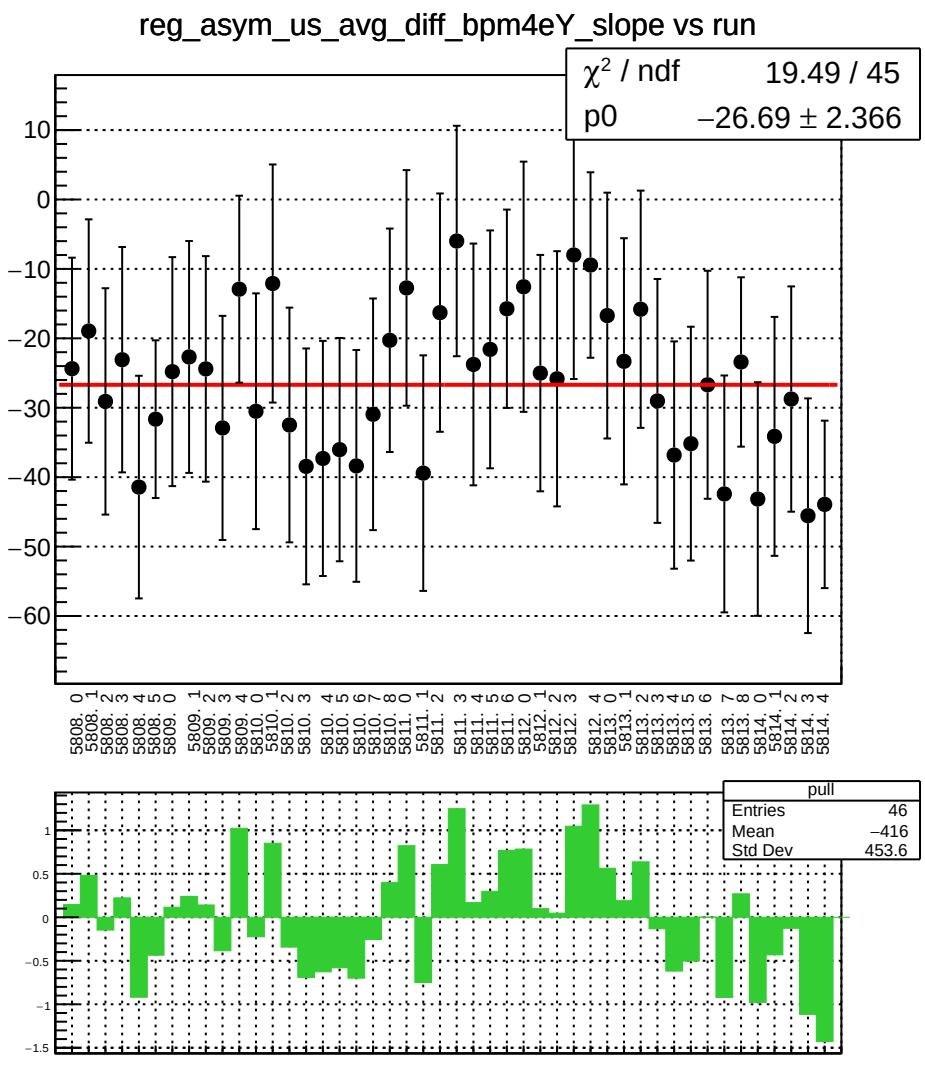

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.77 / 45
p0 −119.2 ± 2.445
pull
Entries 46
Mean −543.2
Std Dev 565.2

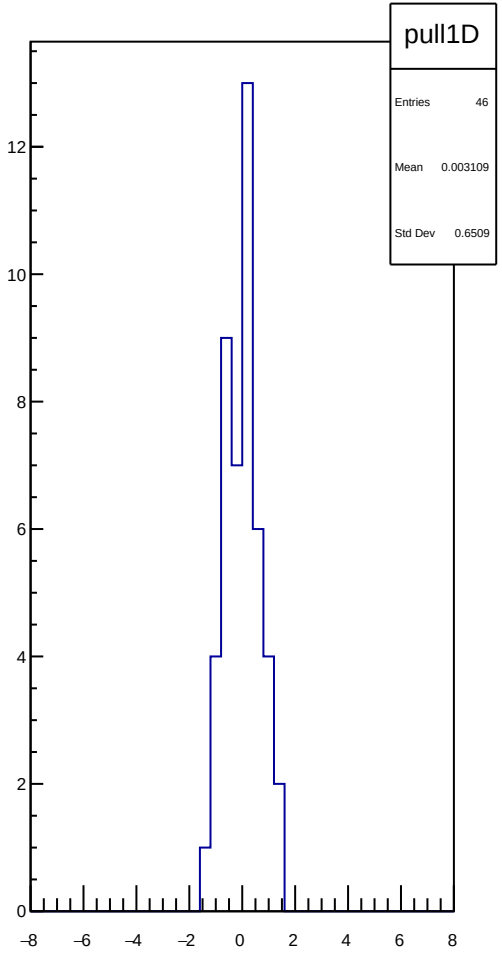

pull1D
Entries 46
Mean 0.003092
Std Dev 0.5471

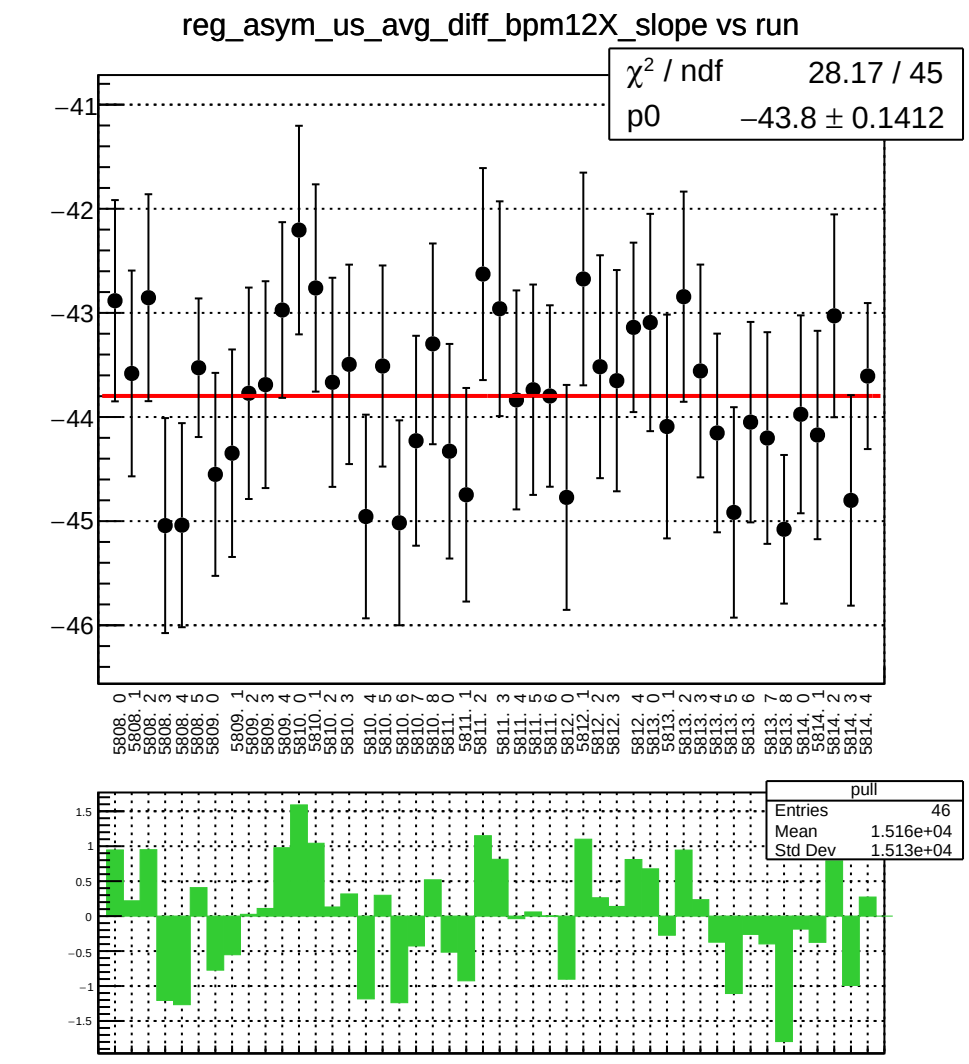

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.46 / 45
p0 36.51 ± 2.159
pull
Entries 46
Mean −290.9
Std Dev 336.1

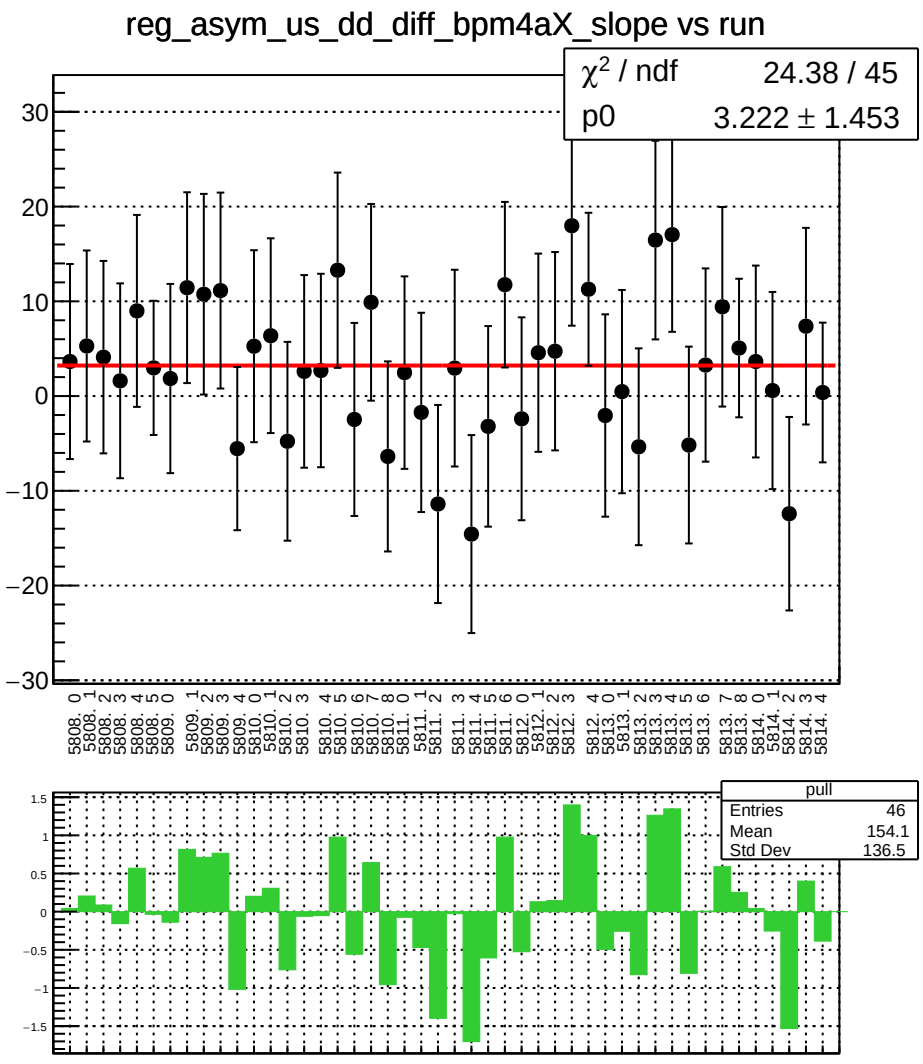

pull1D
Entries 46
Mean −0.002721
Std Dev 0.616

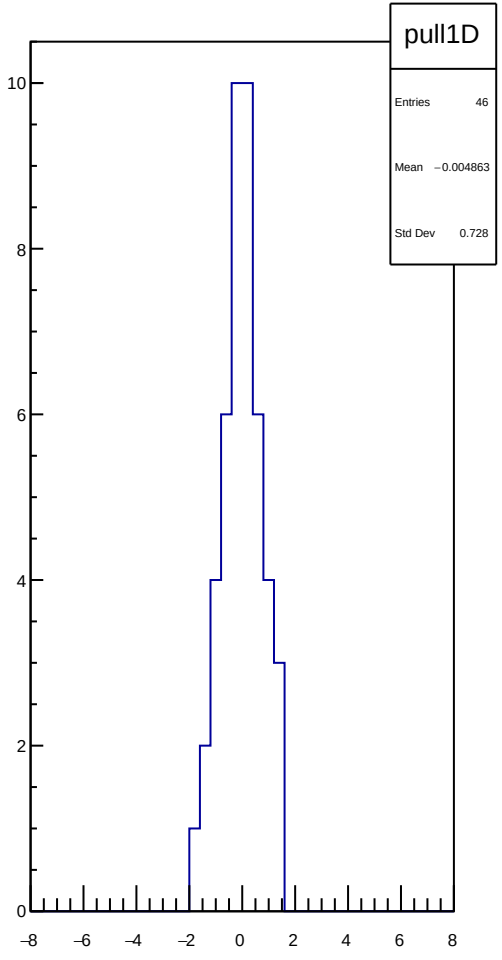

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.94 / 45
p0 173 ± 3.107
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −732.2
Std Dev 754.3
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.00226
Std Dev 0.5304
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

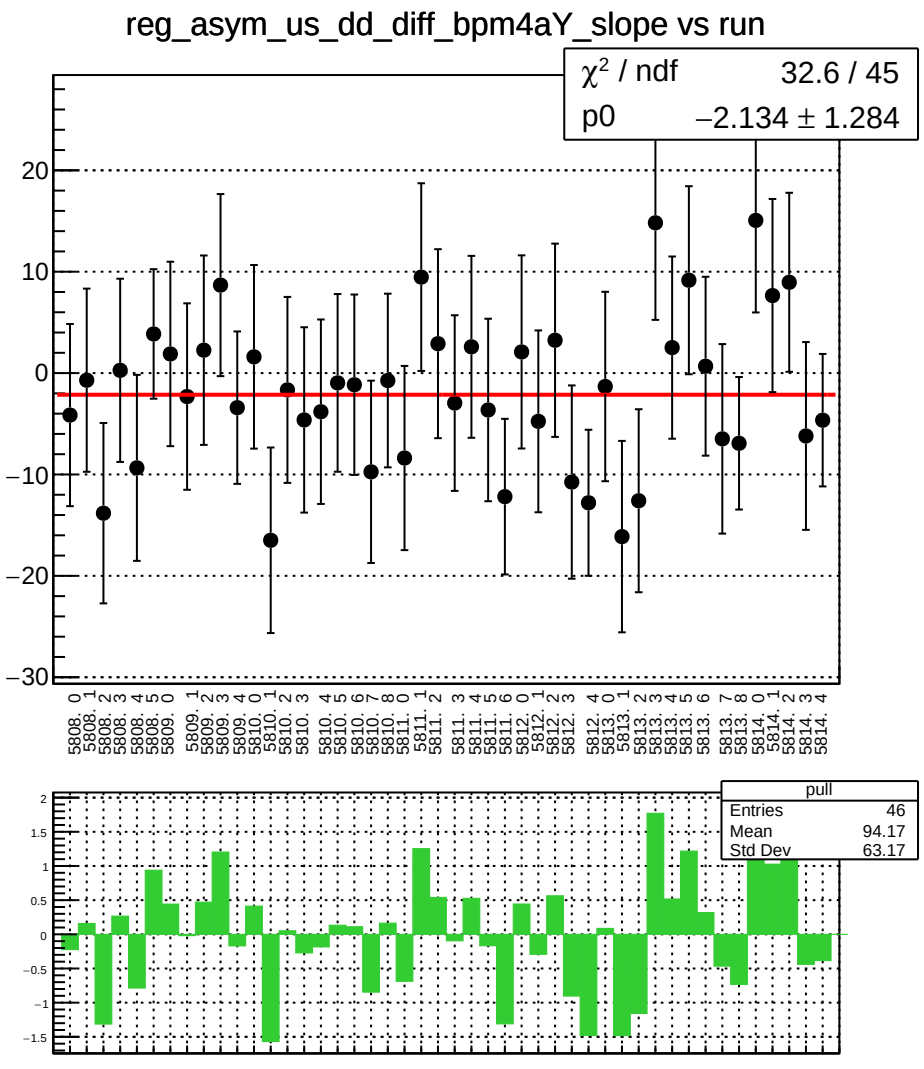

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.49 / 45
p0 −26.69 ± 2.366
pull
Entries 46
Mean −416
Std Dev 453.6

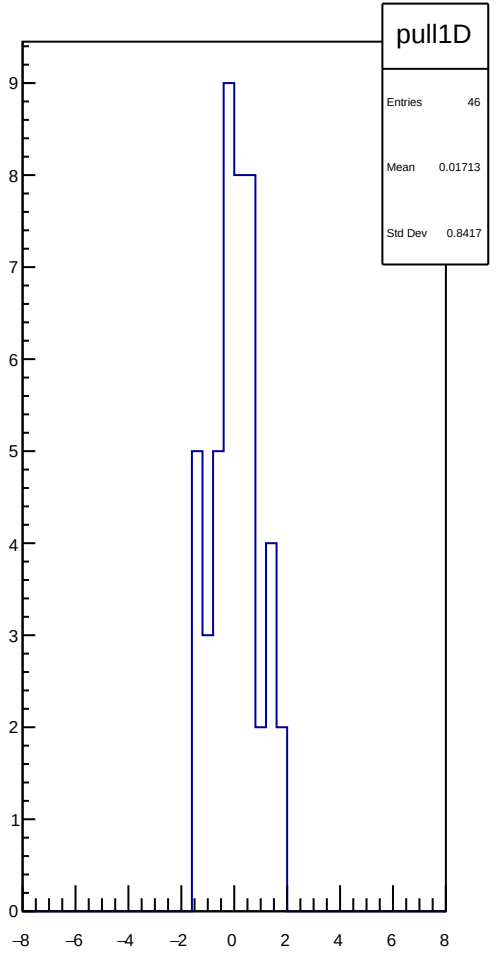

pull1D
Entries 46
Mean 0.003109
Std Dev 0.6509

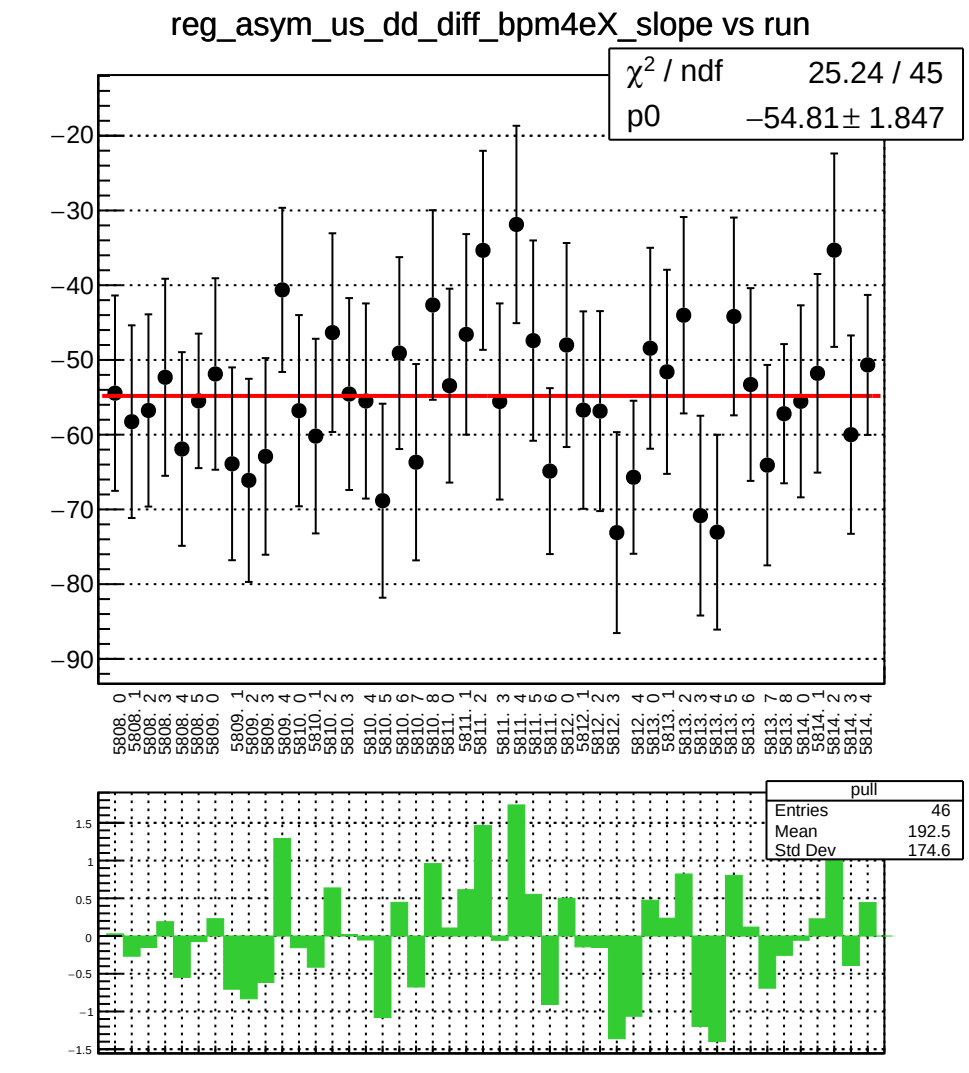

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 28.17 / 45
p0 −43.8 ± 0.1412
−41
−42
−43
−44
−45
−46
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1.516e+04
Std Dev 1.513e+04
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −8.472e−05
Std Dev 0.7825
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

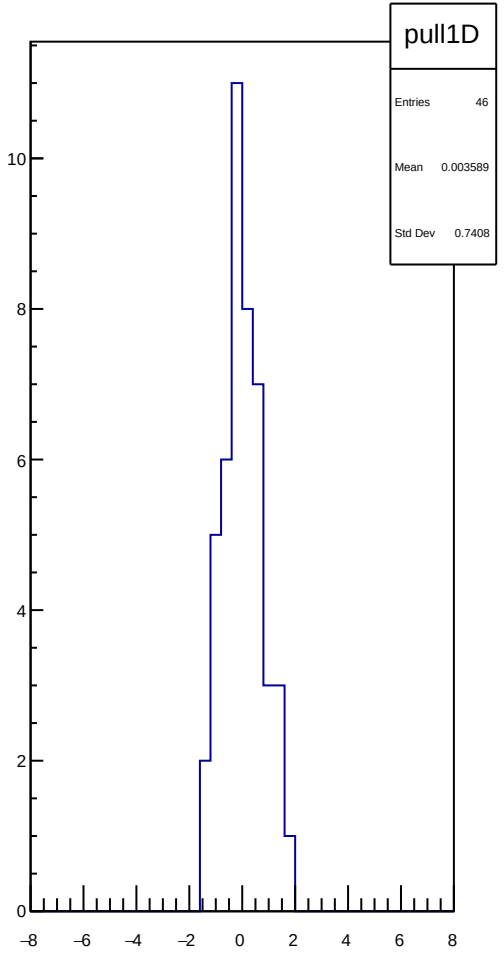

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.38 / 45
p0 3.222 ± 1.453
pull
Entries 46
Mean 154.1
Std Dev 136.5

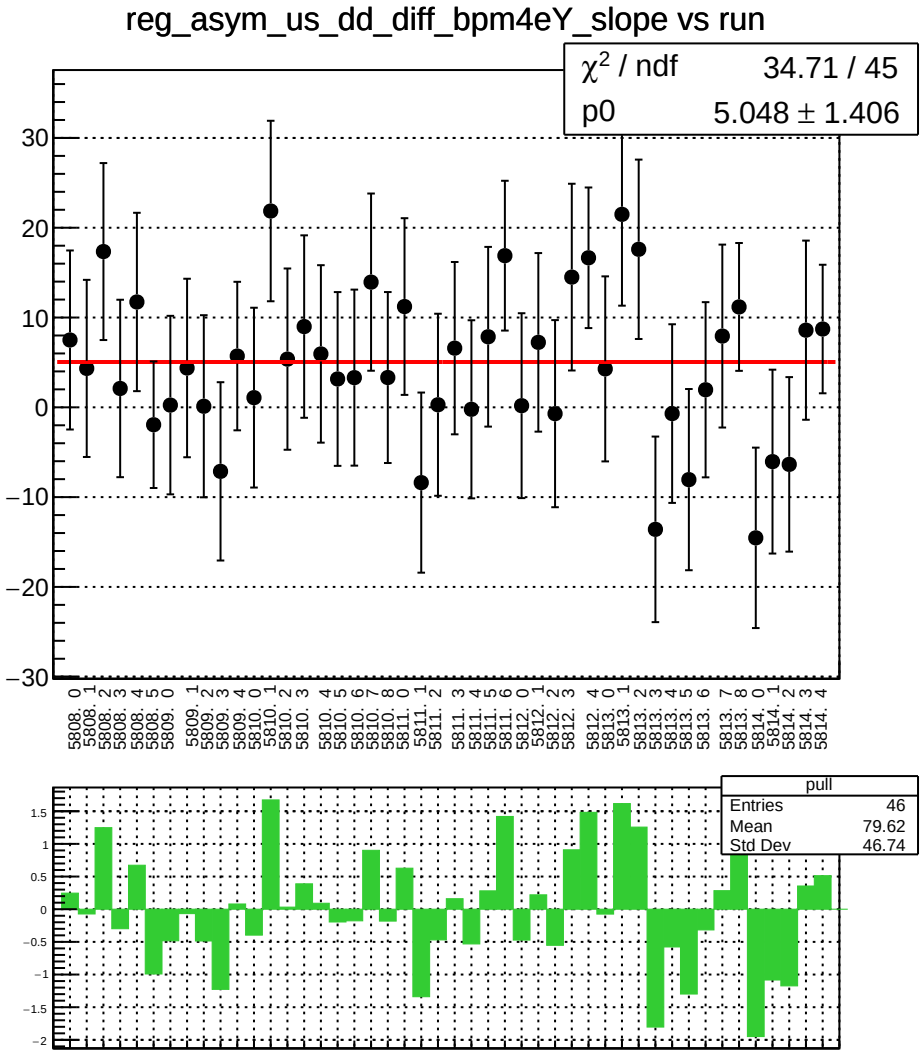

pull1D
Entries 46
Mean −0.004863
Std Dev 0.728

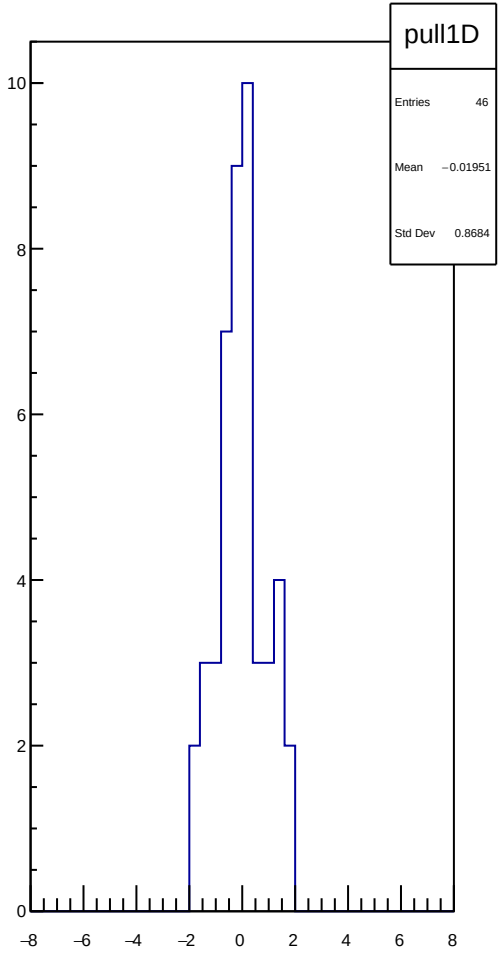

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.6 / 45
p0 −2.134 ± 1.284
pull
Entries 46
Mean 94.17
Std Dev 63.17

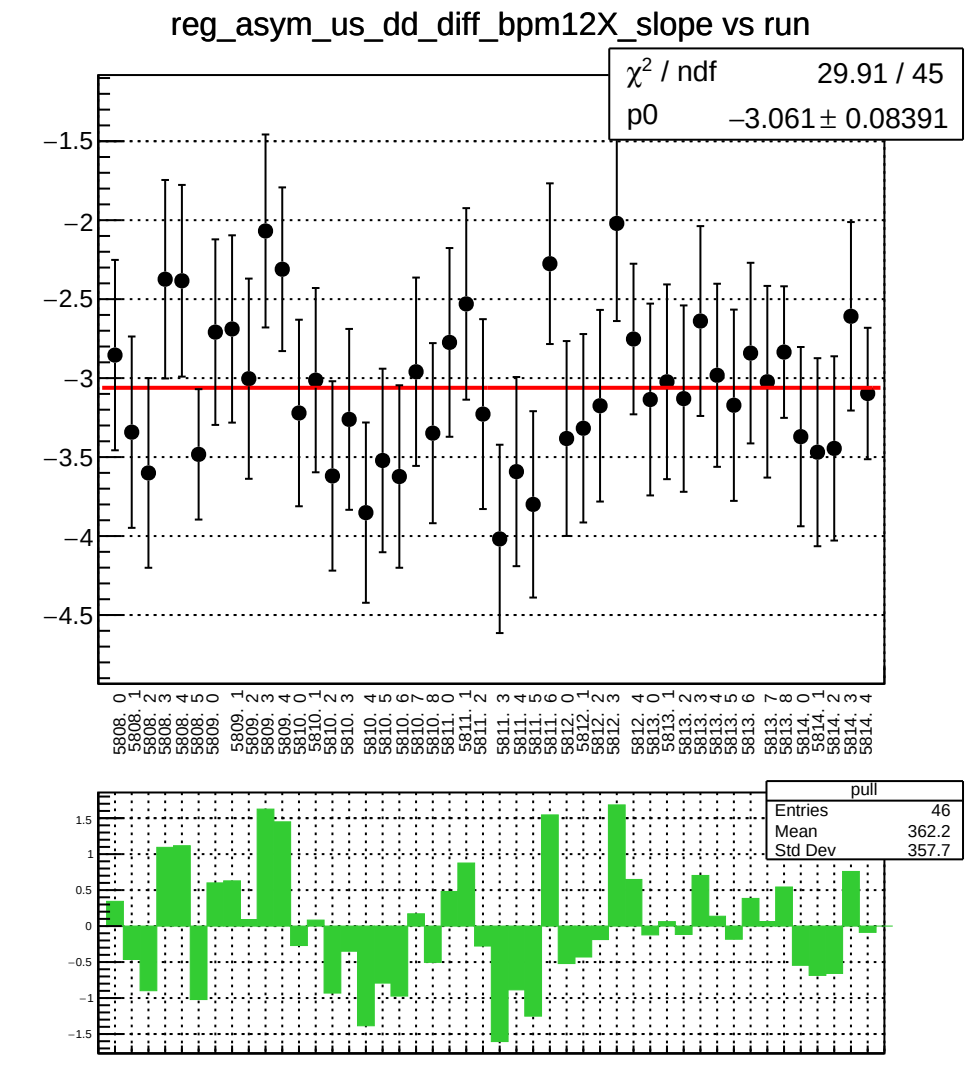

pull1D
Entries 46
Mean 0.01713
Std Dev 0.8417

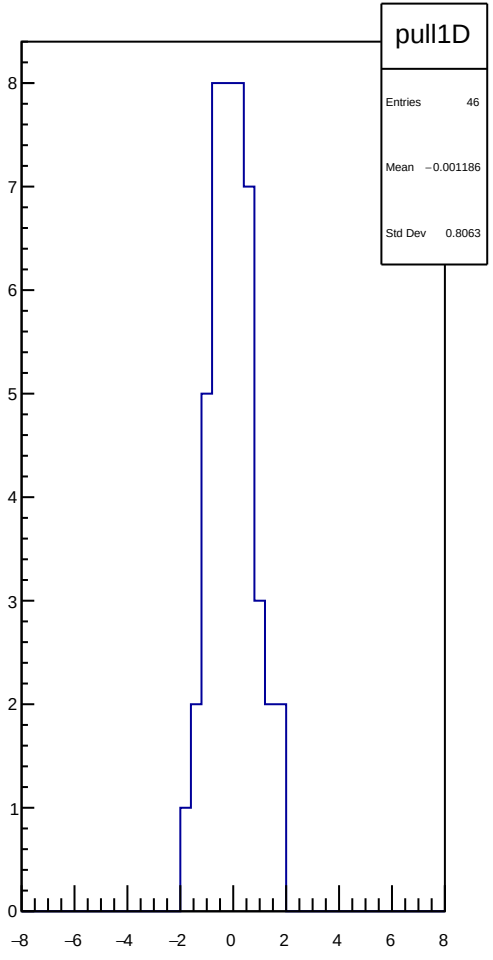

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.24 / 45
p0 −54.81 ± 1.847
pull
Entries 46
Mean 192.5
Std Dev 174.6

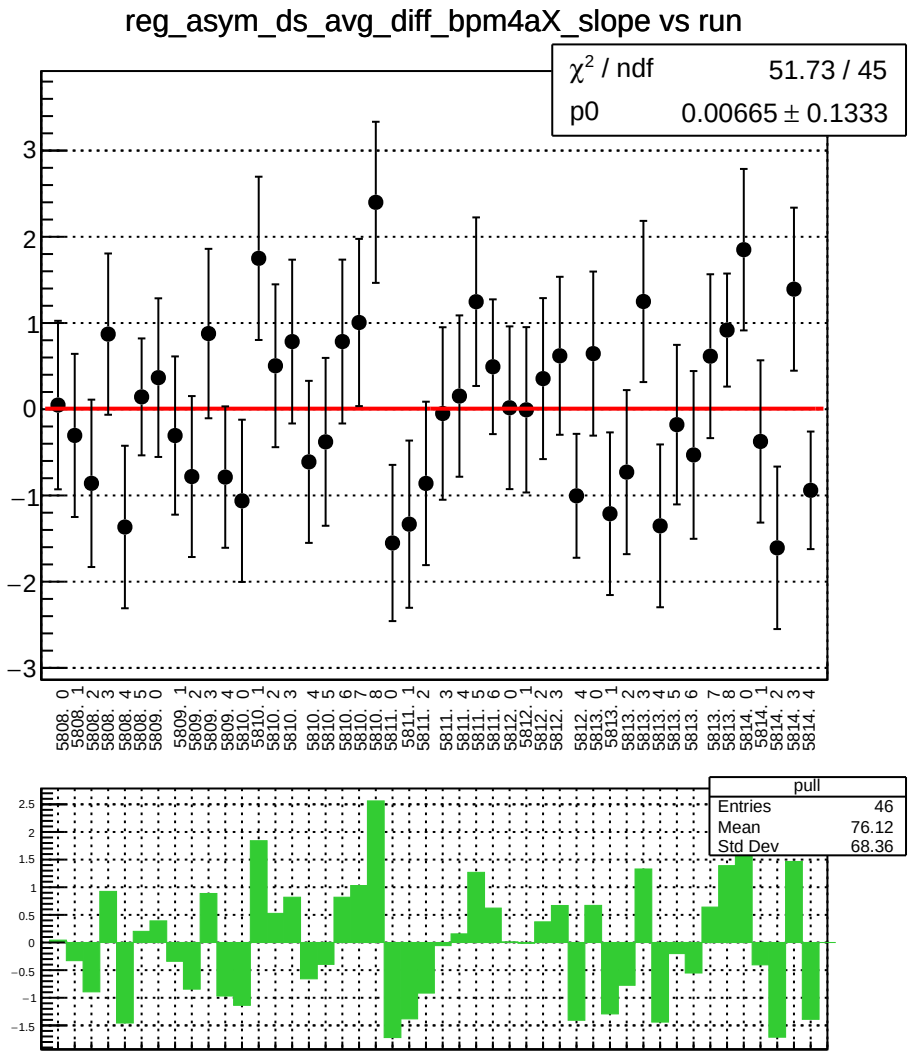

pull1D
Entries 46
Mean 0.003589
Std Dev 0.7408

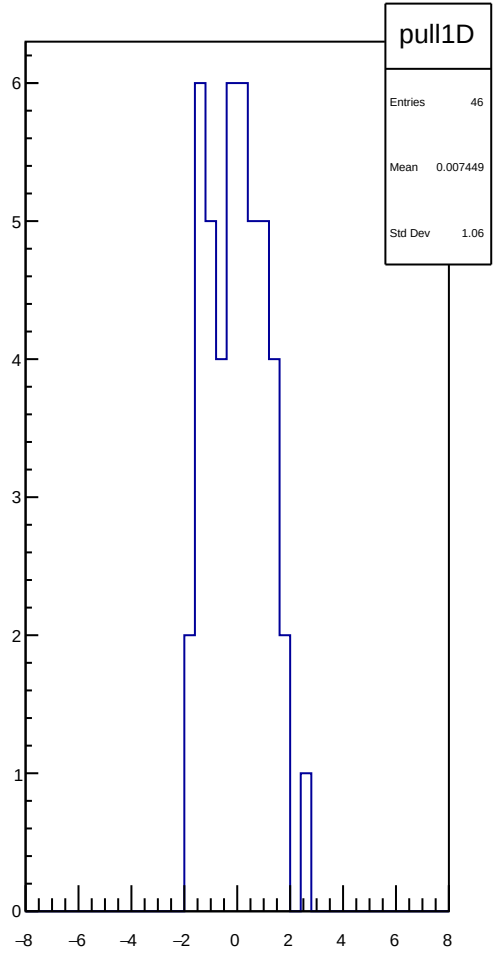

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.71 / 45
p0 5.048 ± 1.406
pull
Entries 46
Mean 79.62
Std Dev 46.74

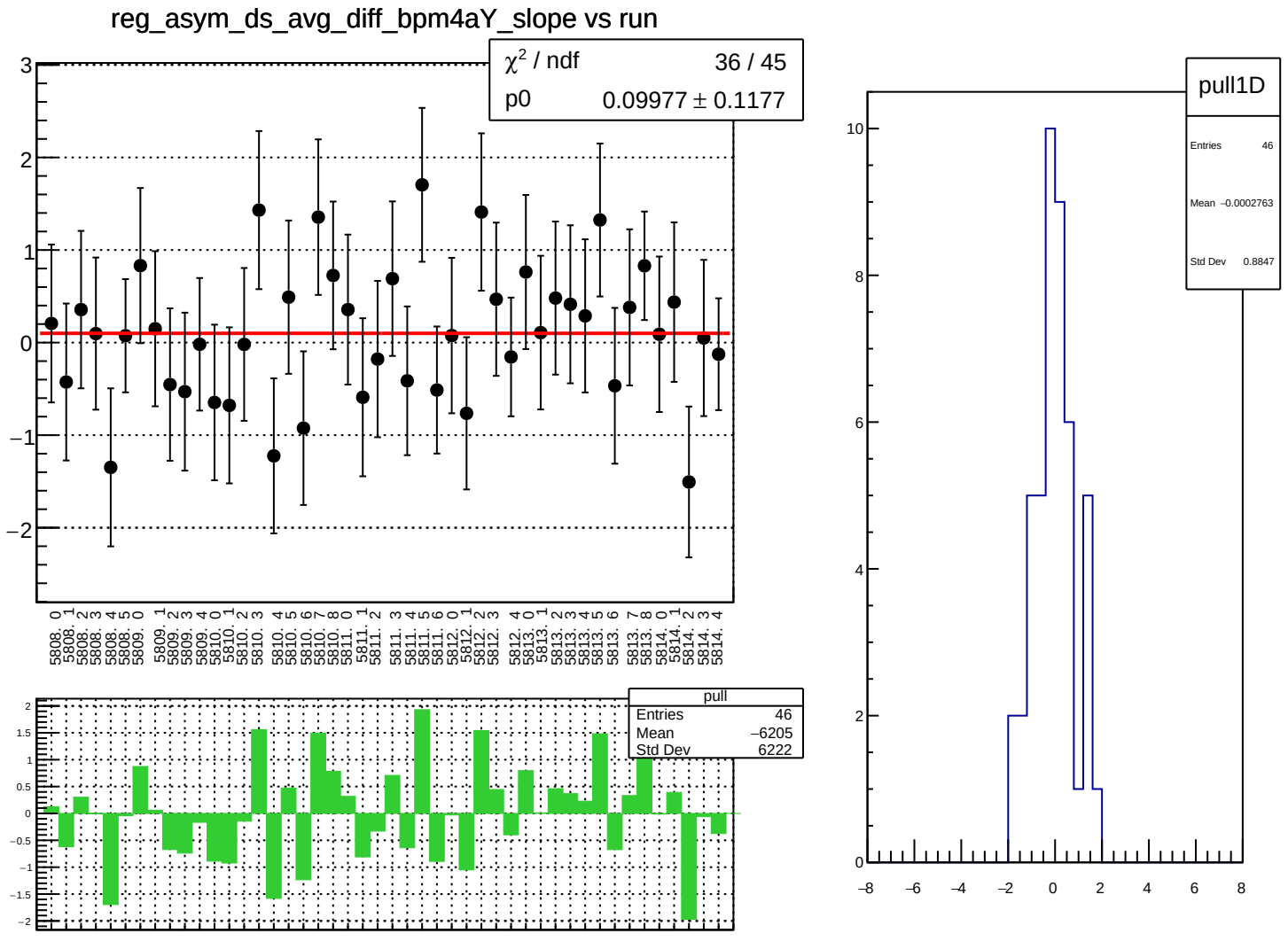

pull1D
Entries 46
Mean −0.01951
Std Dev 0.8684

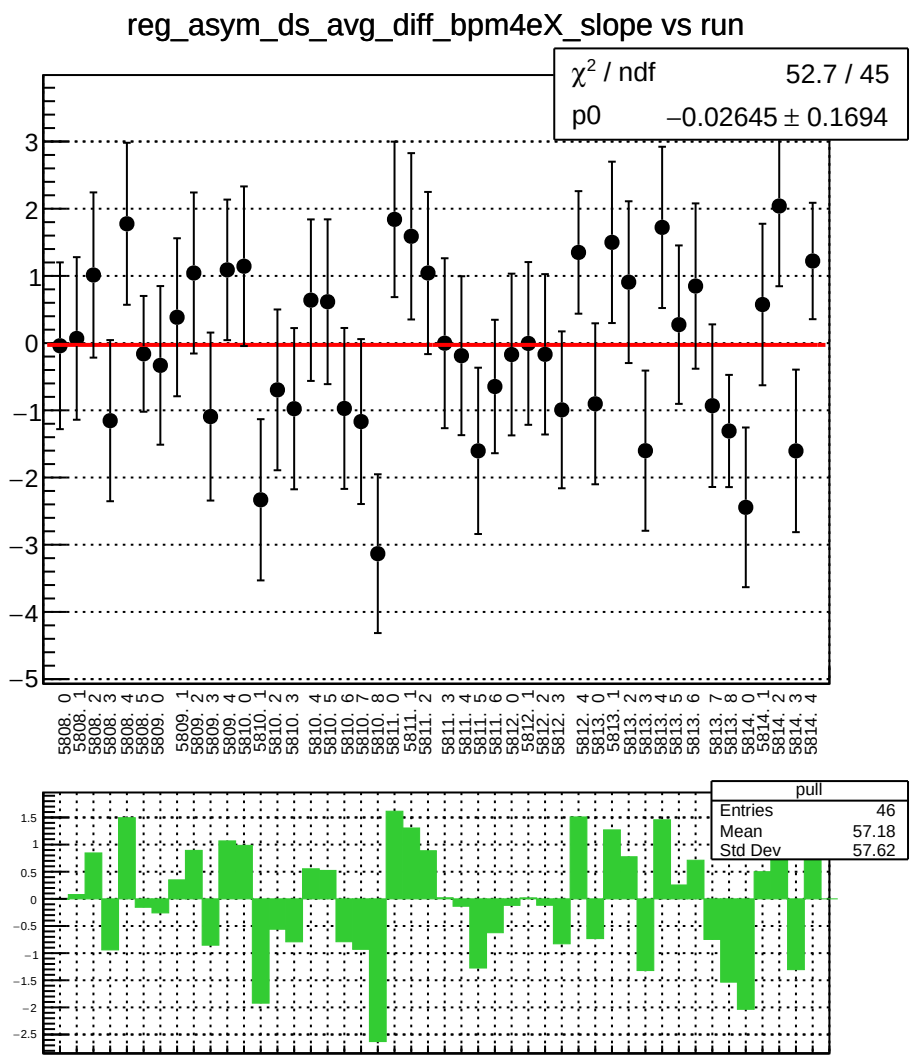

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 29.91 / 45
p0 −3.061 ± 0.08391
pull
Entries 46
Mean 362.2
Std Dev 357.7

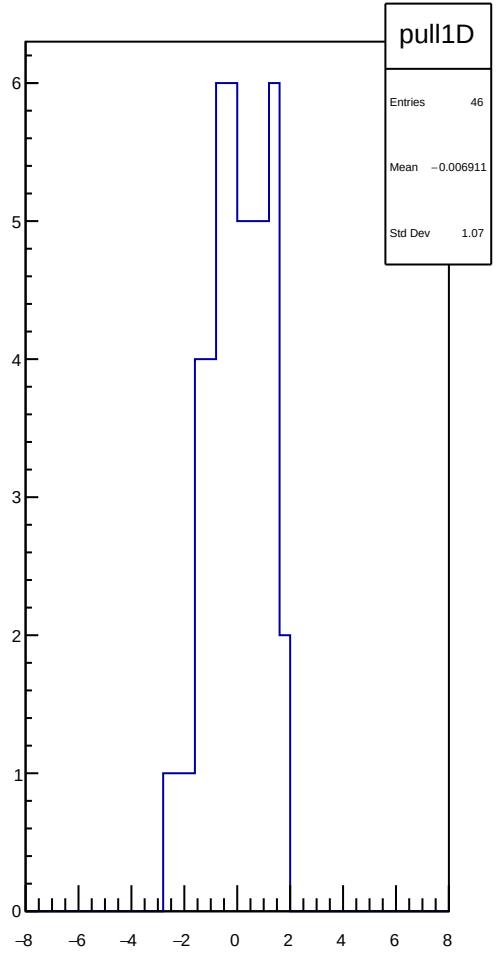

pull1D
Entries 46
Mean −0.001186
Std Dev 0.8063

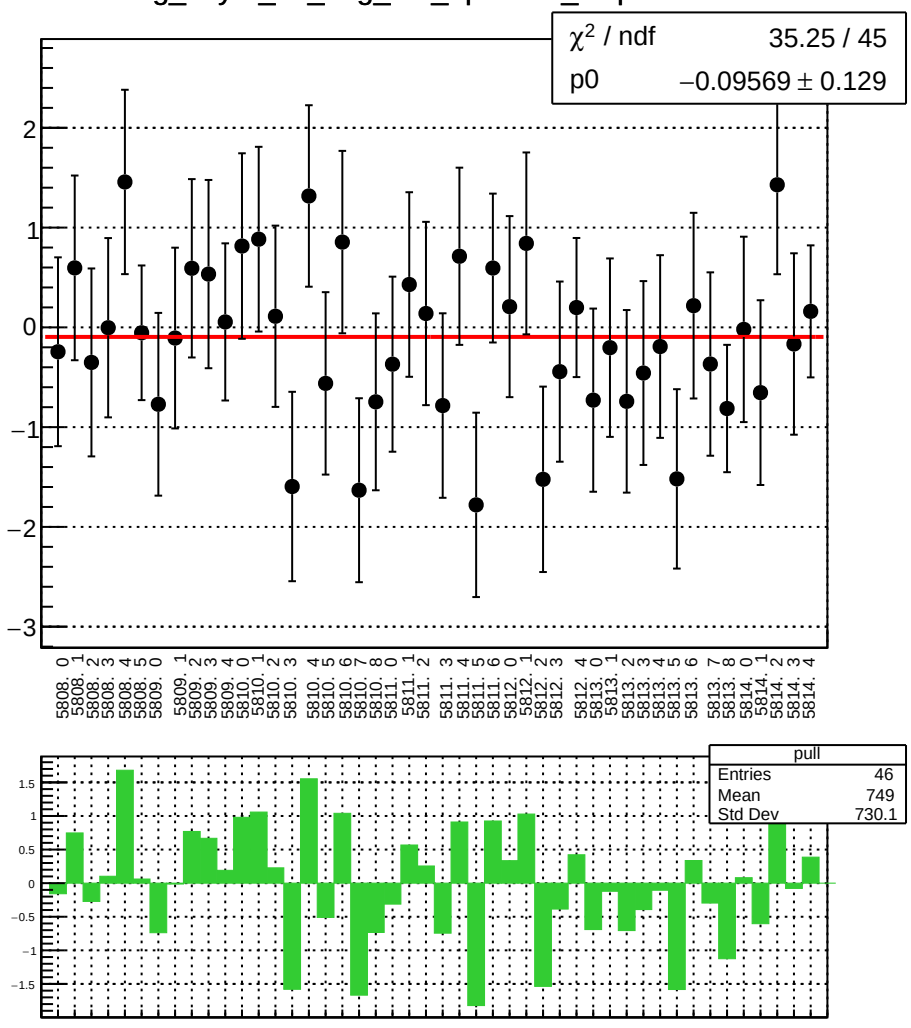

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 51.73 / 45
p0 0.00665 ± 0.1333
pull
Entries 46
Mean 76.12
Std Dev 68.36

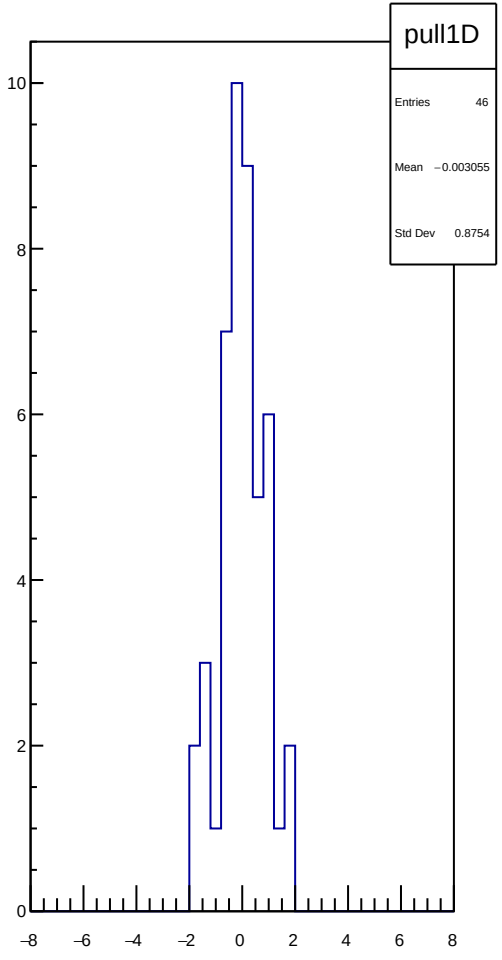

pull1D
Entries 46
Mean 0.007449
Std Dev 1.06

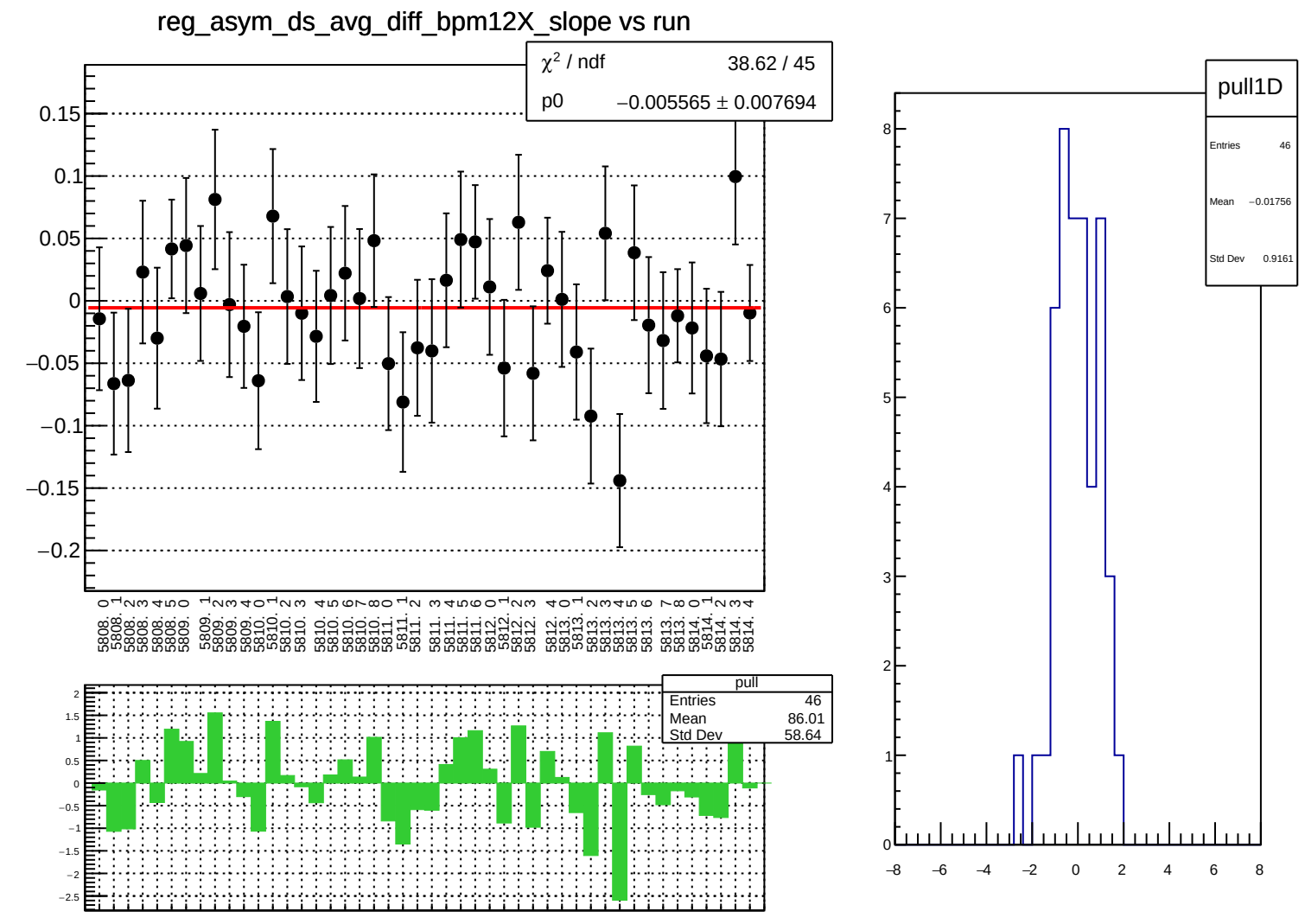

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 36 / 45
p0 0.09977 ± 0.1177
pull
Entries 46
Mean −6205
Std Dev 6222
pull1D
Entries 46
Mean −0.0002763
Std Dev 0.8847

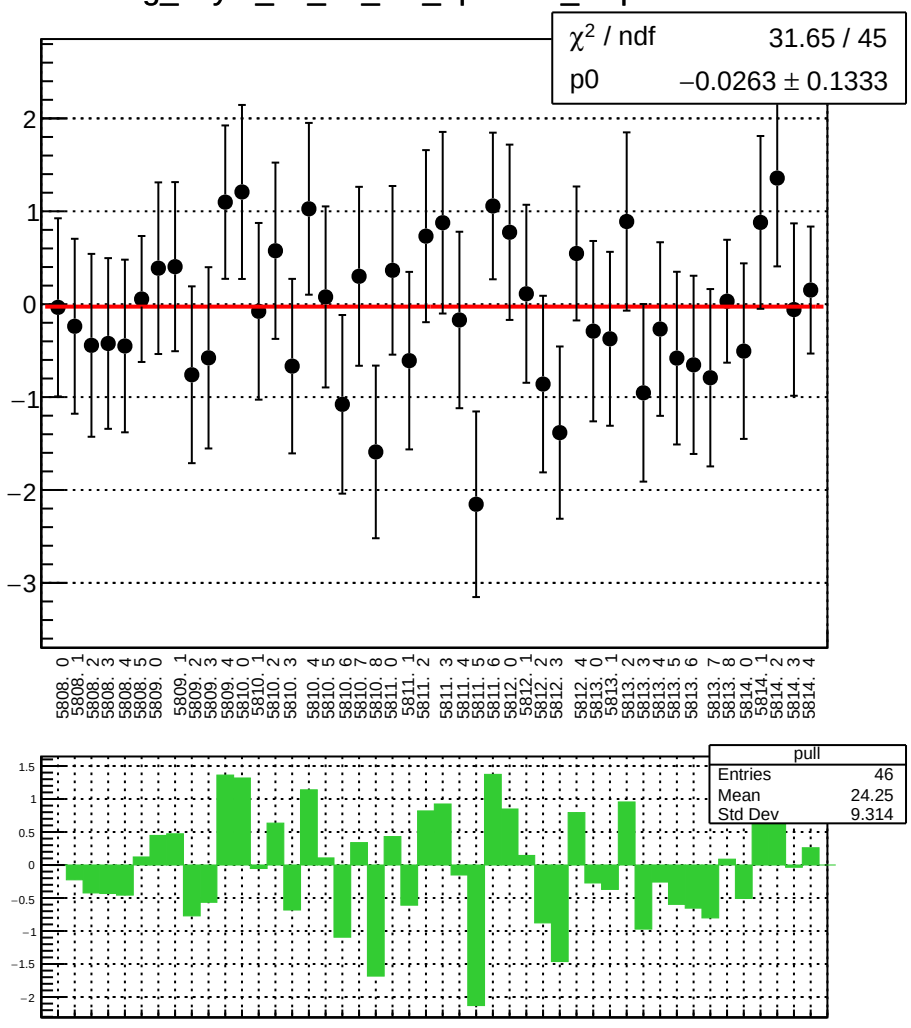

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.7 / 45
p0 −0.02645 ± 0.1694
pull
Entries 46
Mean 57.18
Std Dev 57.62

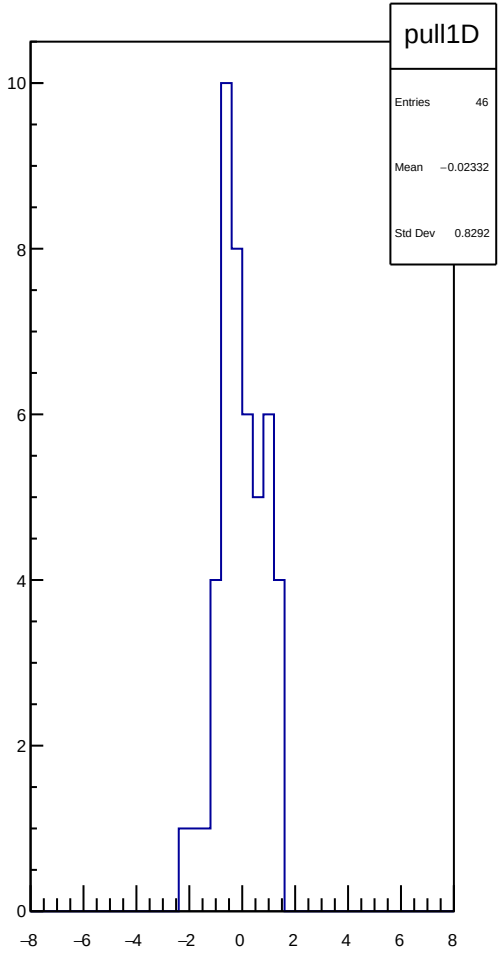

pull1D
Entries 46
Mean −0.006911
Std Dev 1.07

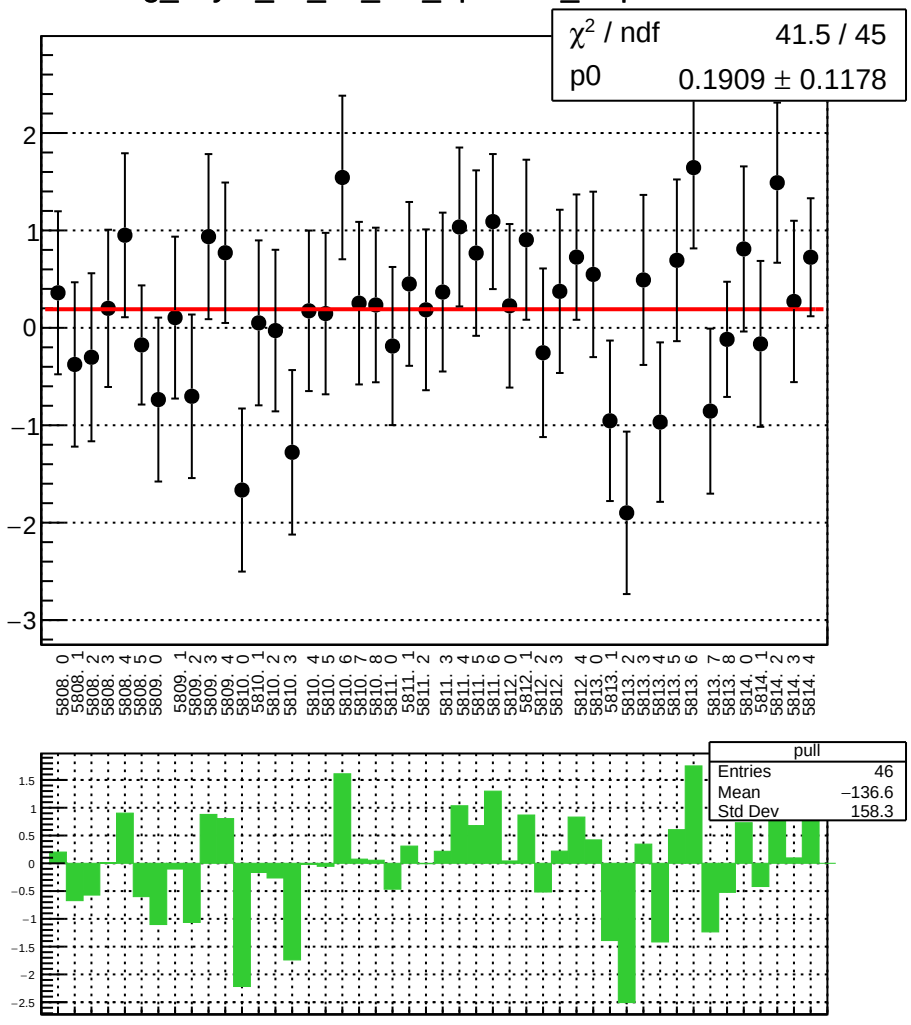

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.25 / 45
p0 −0.09569 ± 0.129
pull
Entries 46
Mean 749
Std Dev 730.1

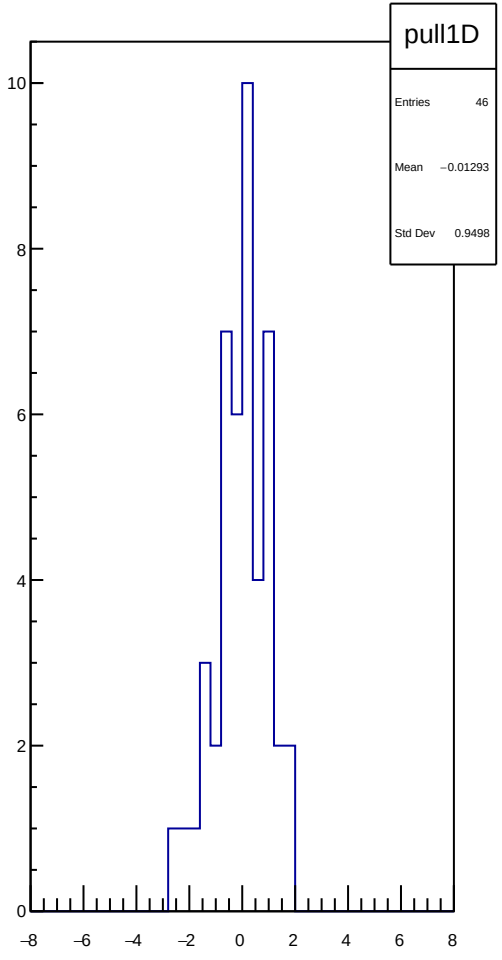

pull1D
Entries 46
Mean −0.003055
Std Dev 0.8754

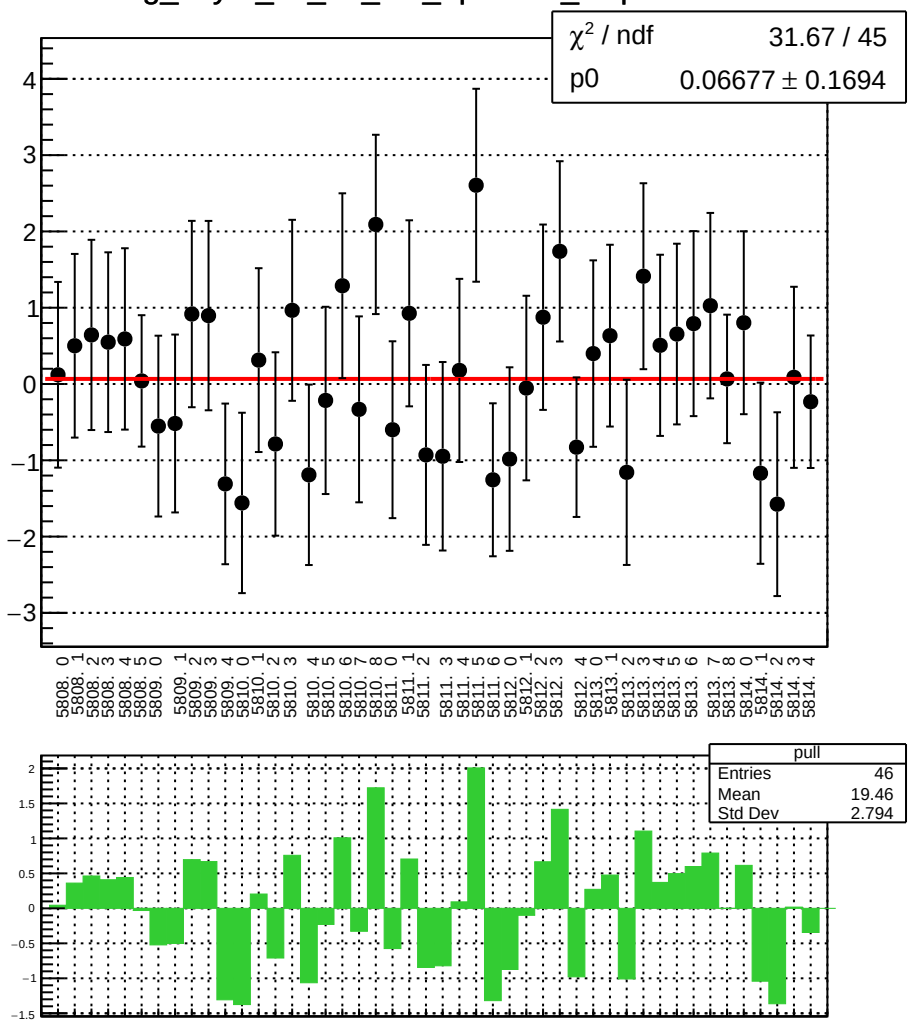

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 38.62 / 45
p0 −0.005565 ± 0.007694
pull
Entries 46
Mean 86.01
Std Dev 58.64
pull1D
Entries 46
Mean −0.01756
Std Dev 0.9161

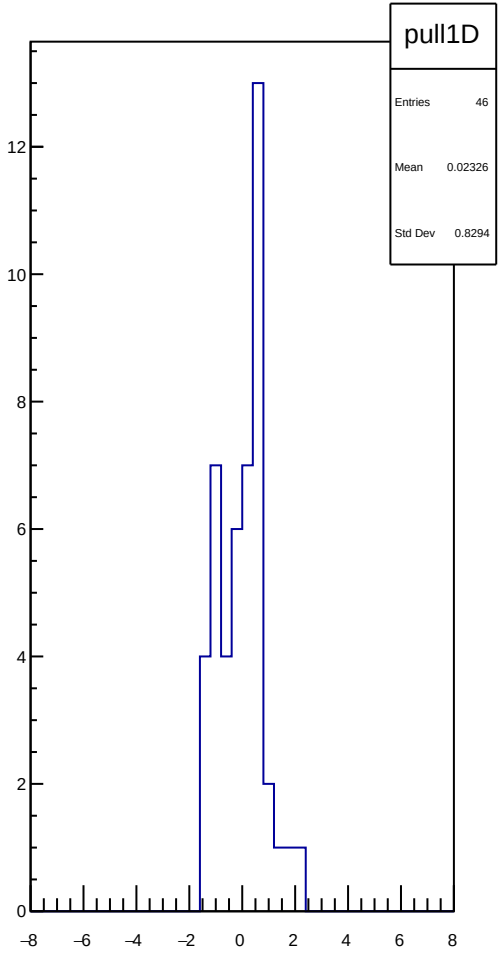

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 31.65 / 45
p0 −0.0263 ± 0.1333
pull
Entries 46
Mean 24.25
Std Dev 9.314

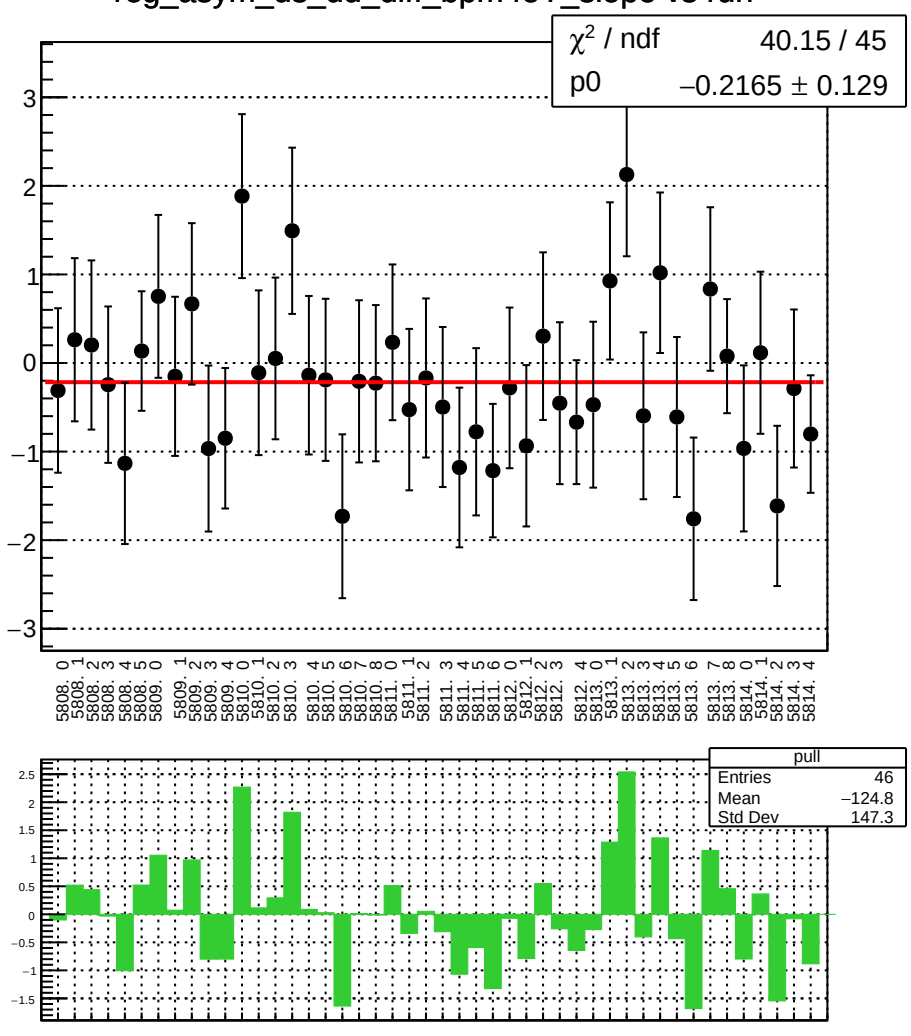

pull1D
Entries 46
Mean −0.02332
Std Dev 0.8292

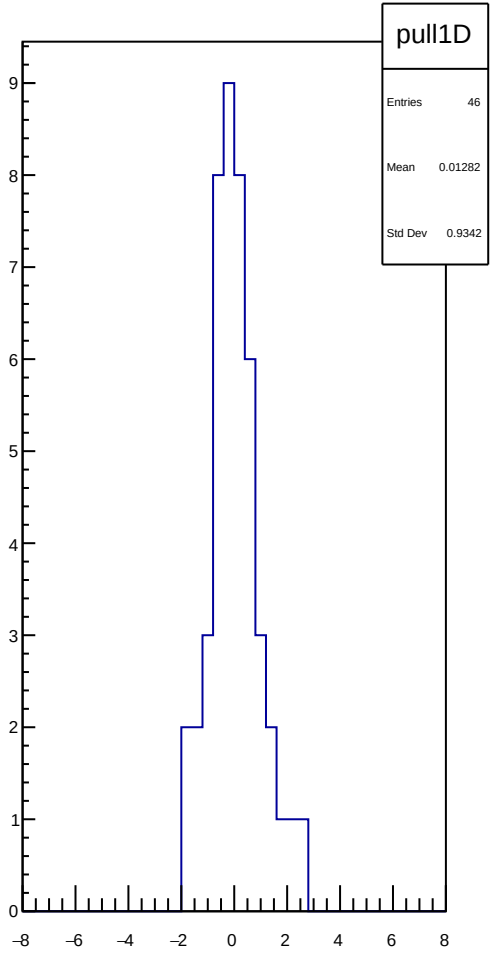

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.5 / 45
p0 0.1909 ± 0.1178
pull
Entries 46
Mean −136.6
Std Dev 158.3

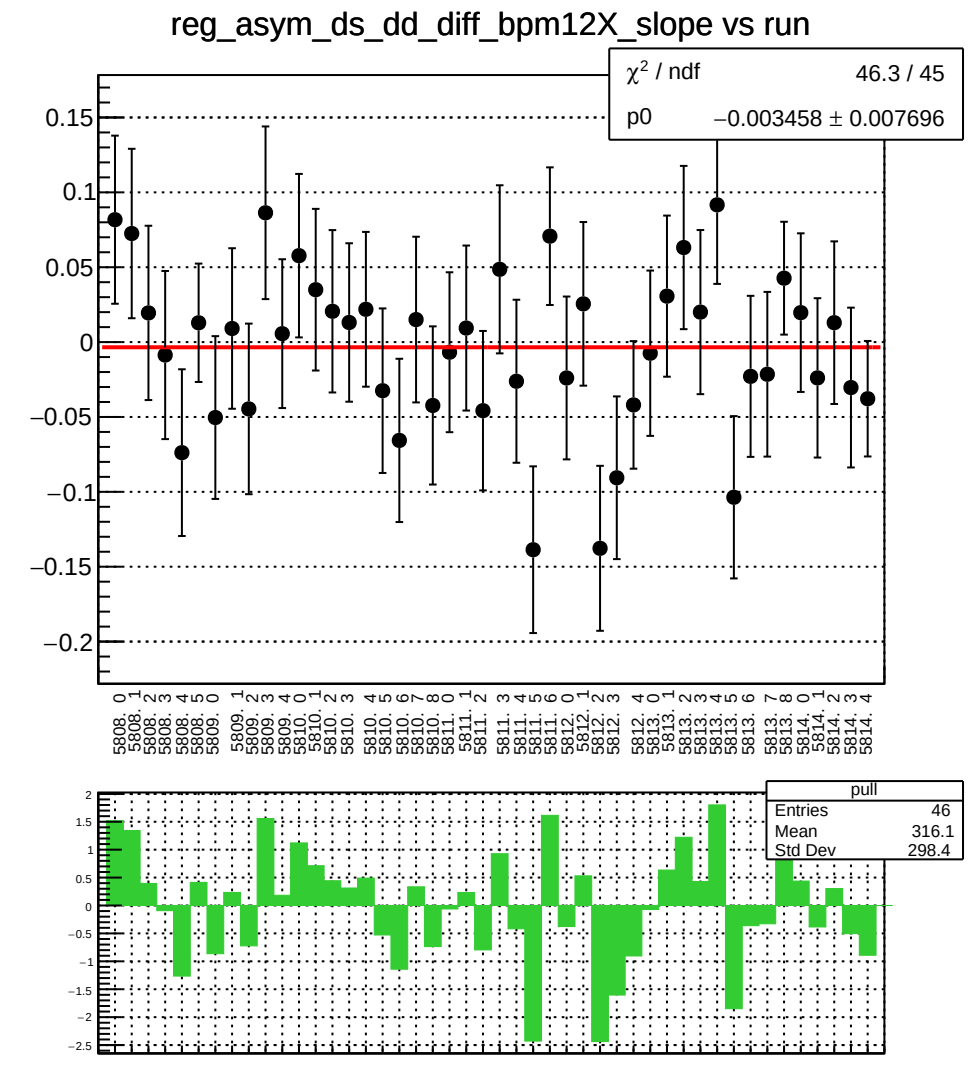

pull1D
Entries 46
Mean −0.01293
Std Dev 0.9498

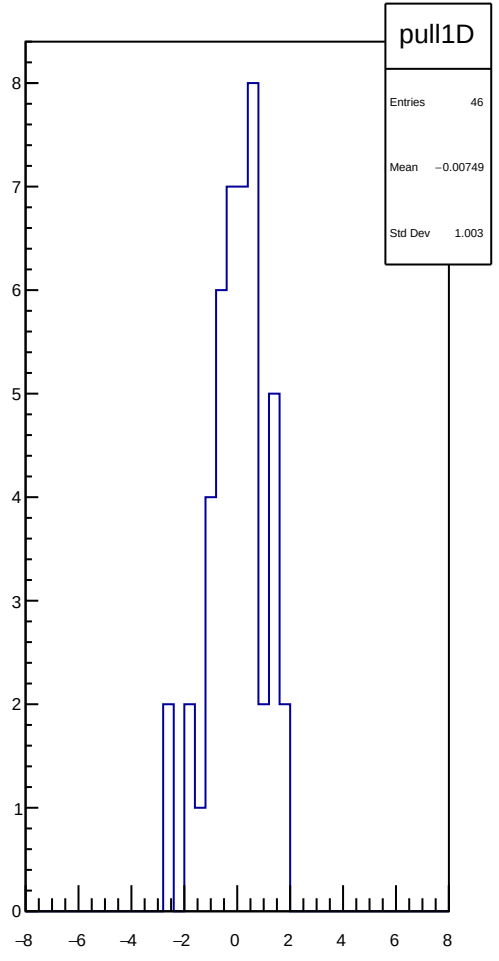

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.67 / 45
p0 0.06677 ± 0.1694
pull
Entries 46
Mean 19.46
Std Dev 2.794

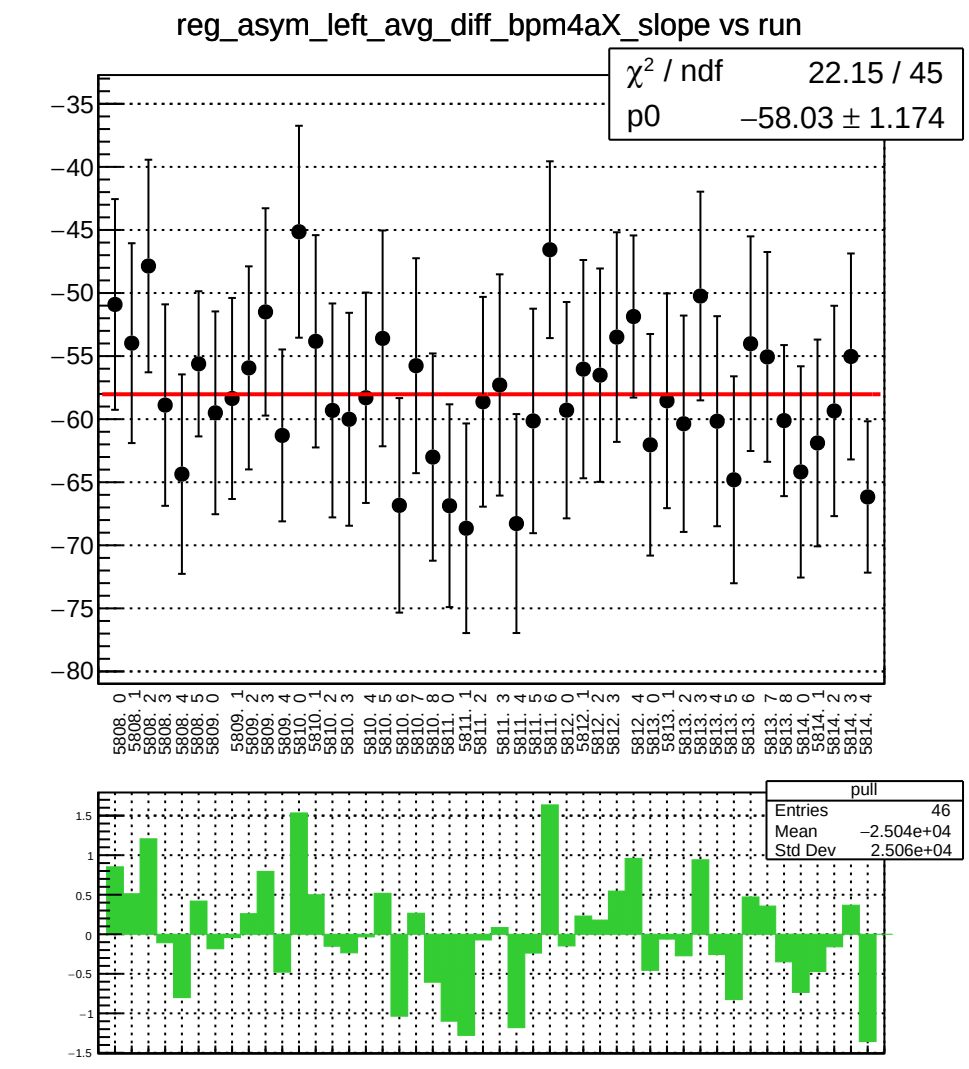

pull1D
Entries 46
Mean 0.02326
Std Dev 0.8294

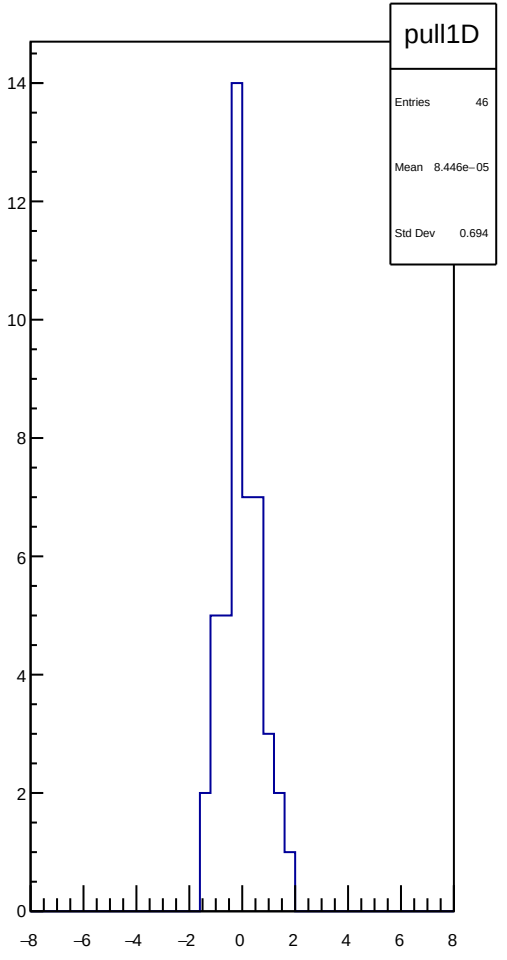

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.15 / 45
p0 −0.2165 ± 0.129
pull
Entries 46
Mean −124.8
Std Dev 147.3

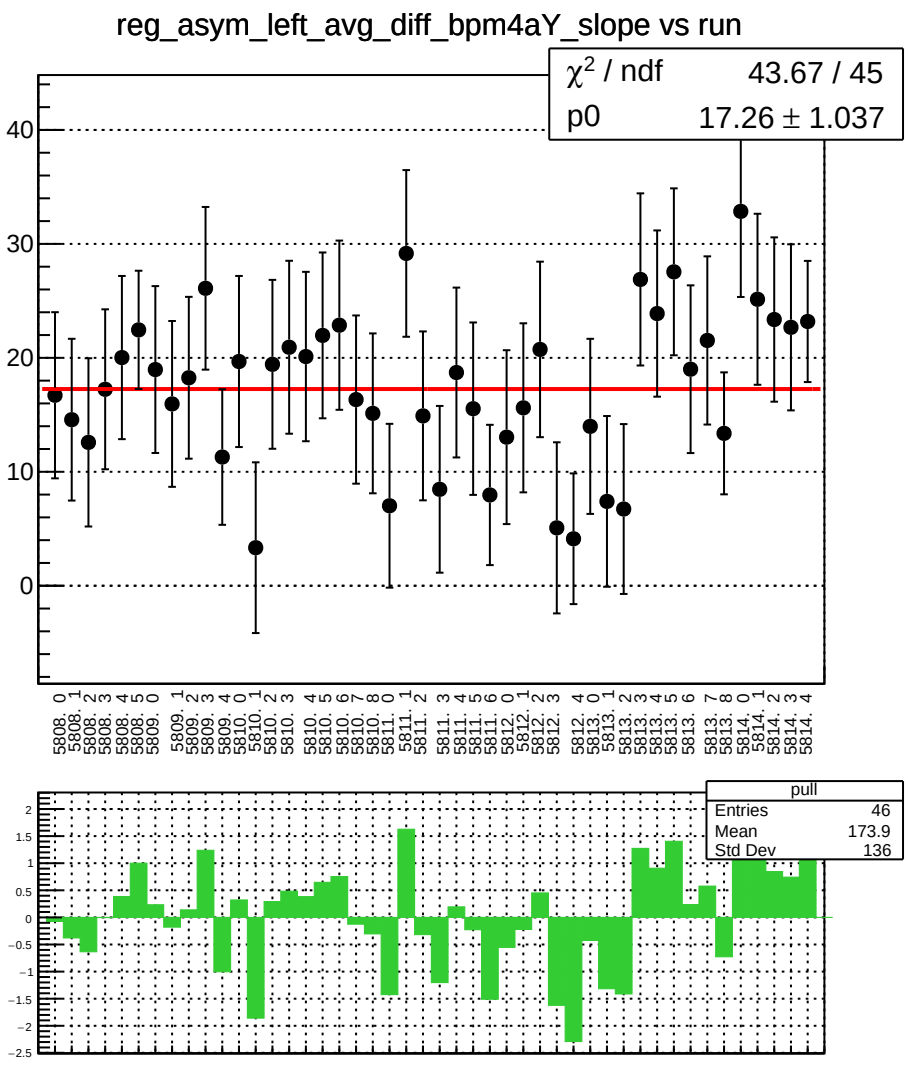

pull1D
Entries 46
Mean 0.01282
Std Dev 0.9342

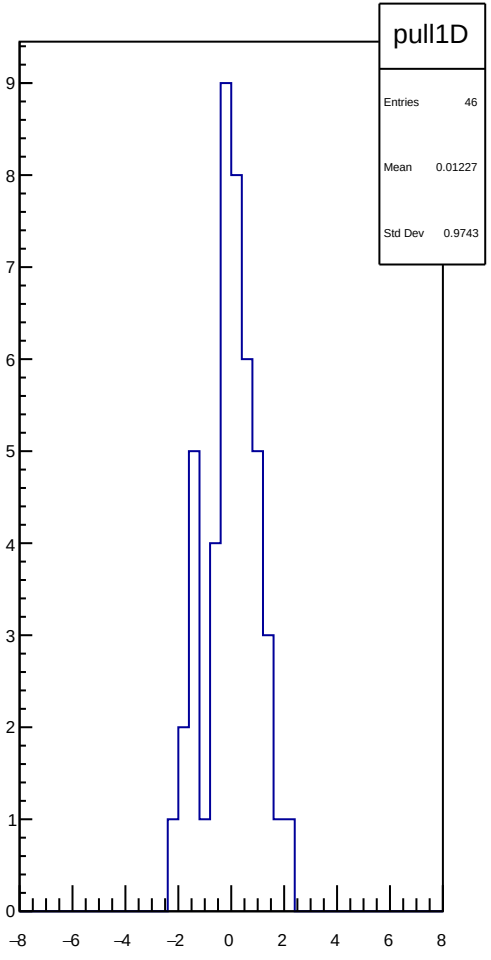

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 46.3 / 45
p0 −0.003458 ± 0.007696
pull
Entries 46
Mean 316.1
Std Dev 298.4

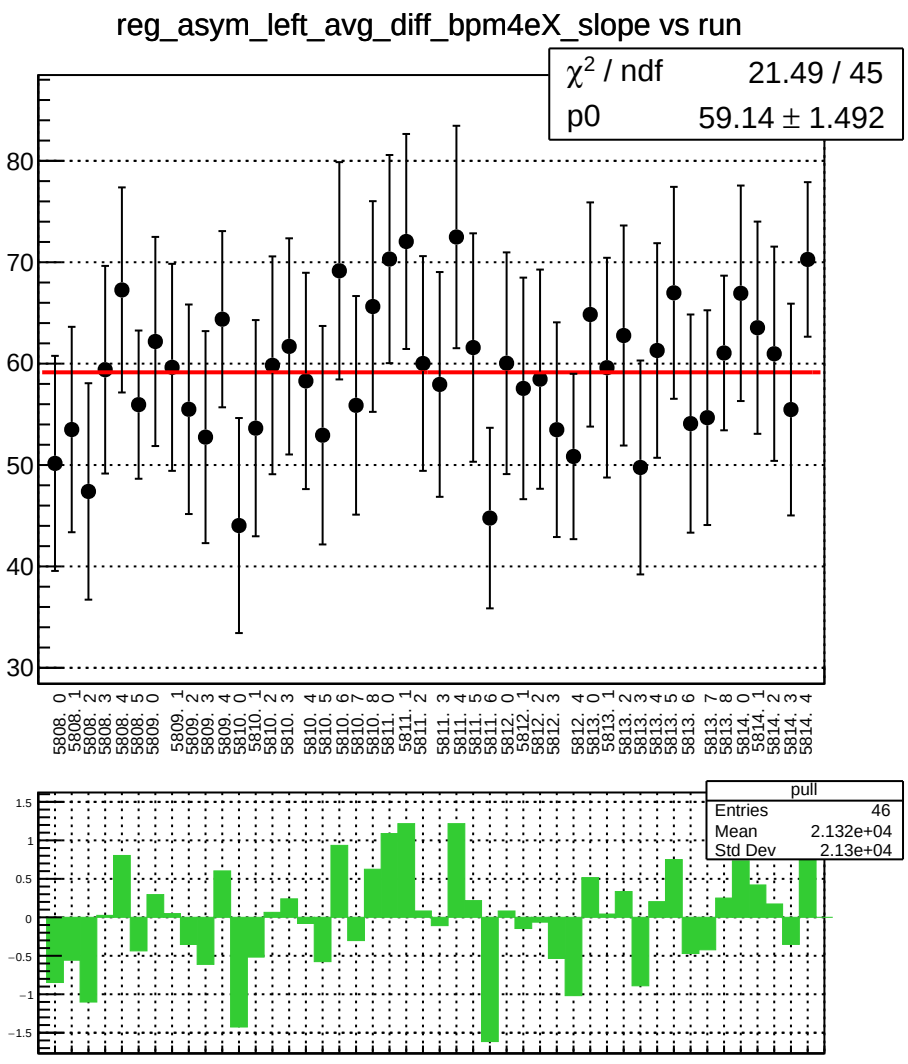

pull1D
Entries 46
Mean −0.00749
Std Dev 1.003

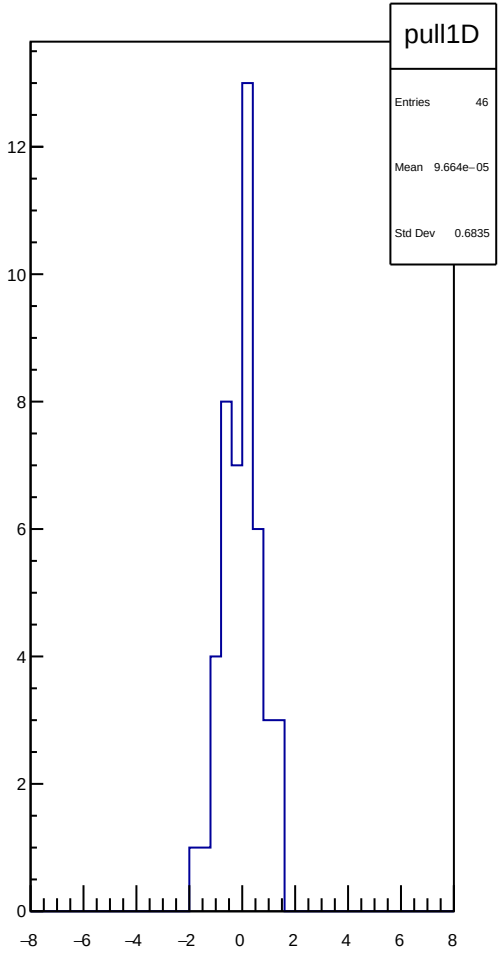

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 22.15 / 45
p0 −58.03 ± 1.174
pull
Entries 46
Mean −2.504e+04
Std Dev 2.506e+04

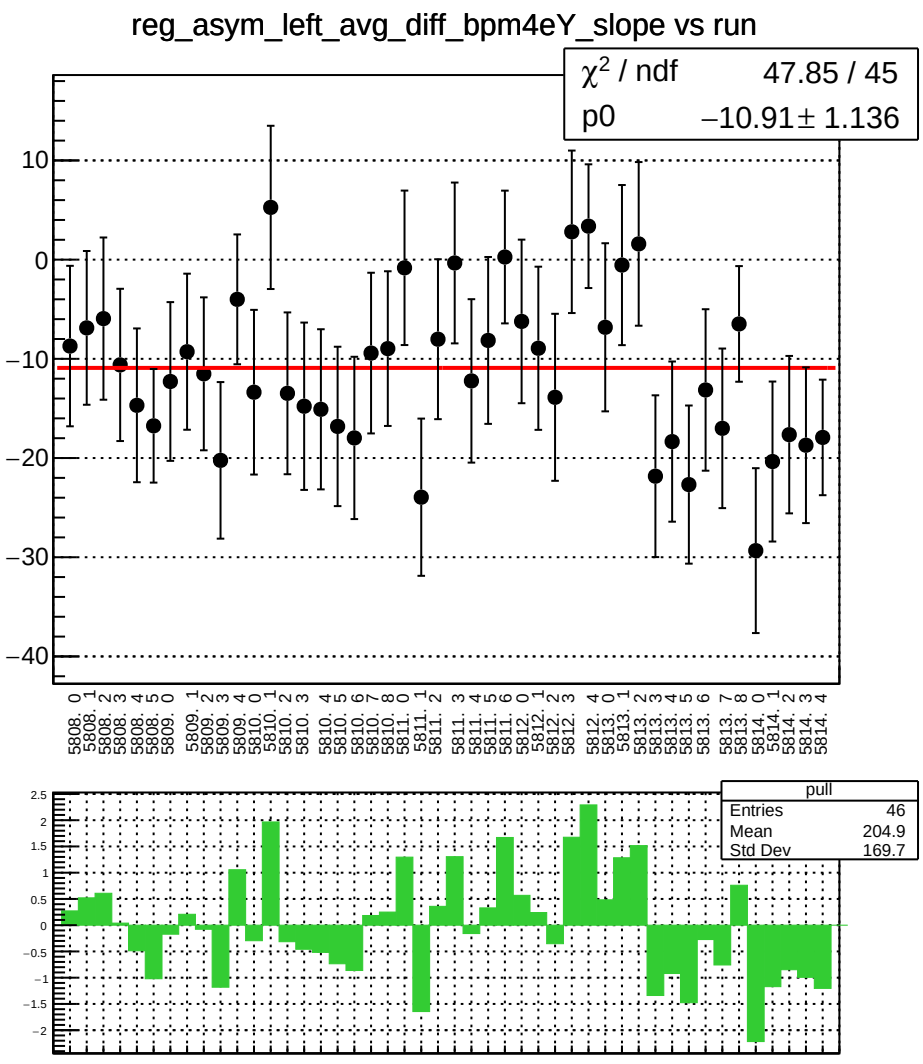

pull1D
Entries 46
Mean 8.446e−05
Std Dev 0.694

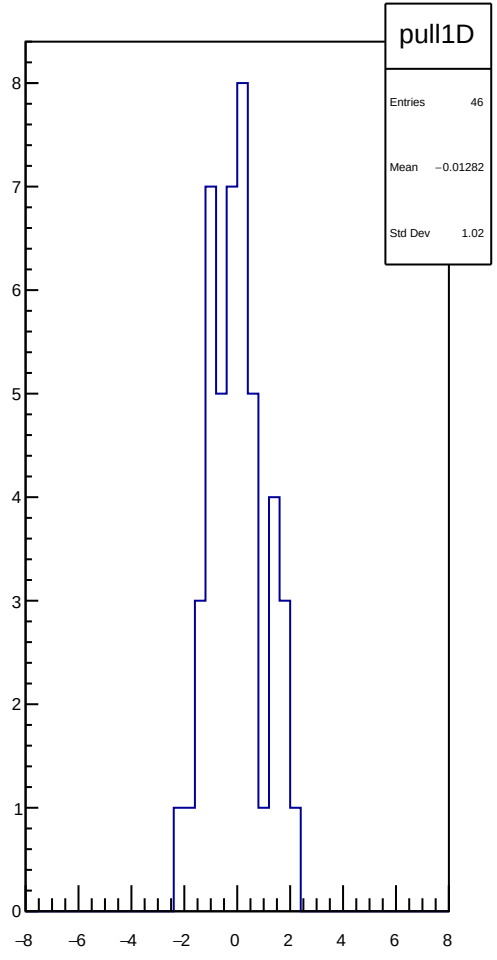

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.67 / 45
p0 17.26 ± 1.037
40
30
20
10
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 173.9
Std Dev 136
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

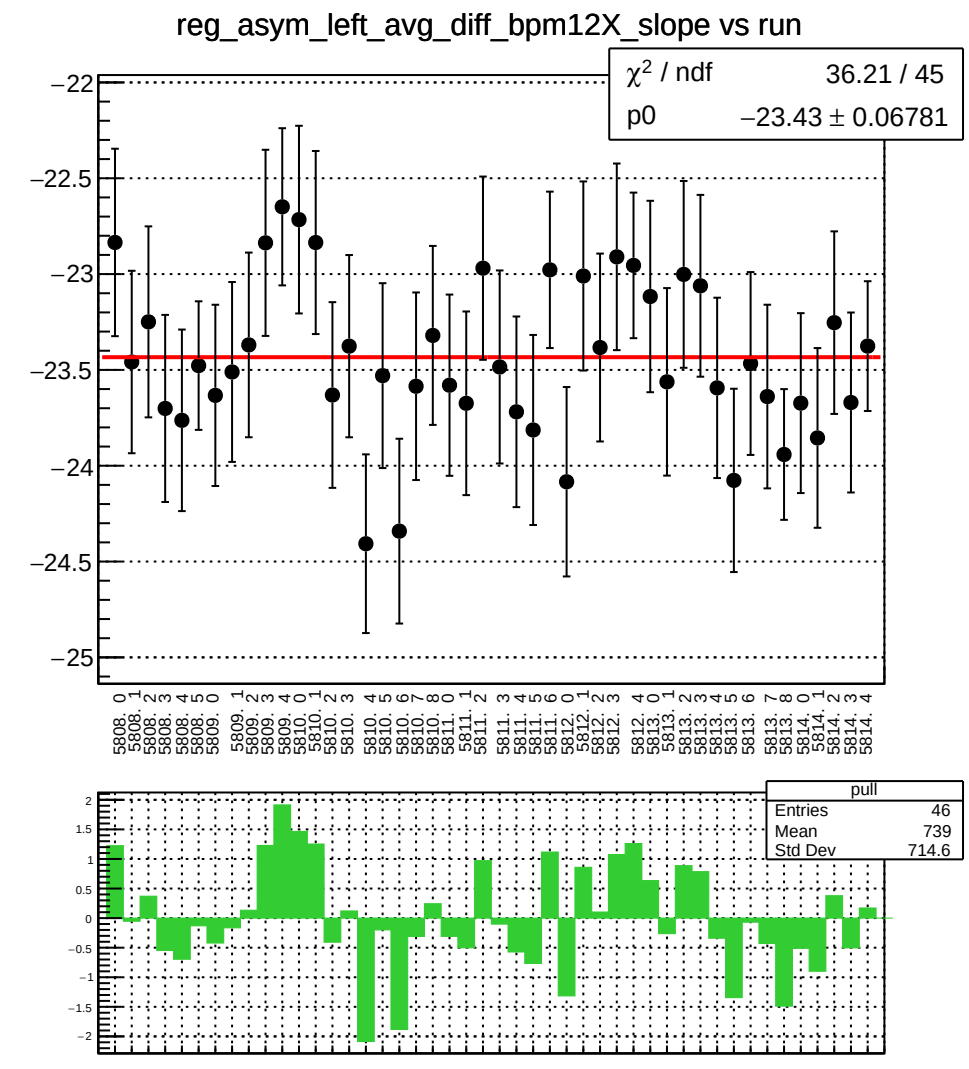

pull1D
Entries 46
Mean 0.01227
Std Dev 0.9743
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

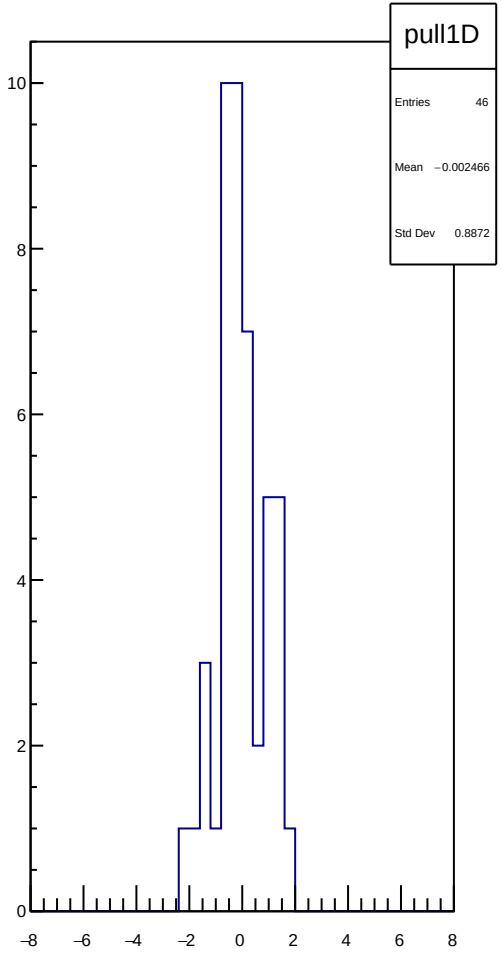

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.49 / 45
p0 59.14 ± 1.492
pull
Entries 46
Mean 2.132e+04
Std Dev 2.13e+04

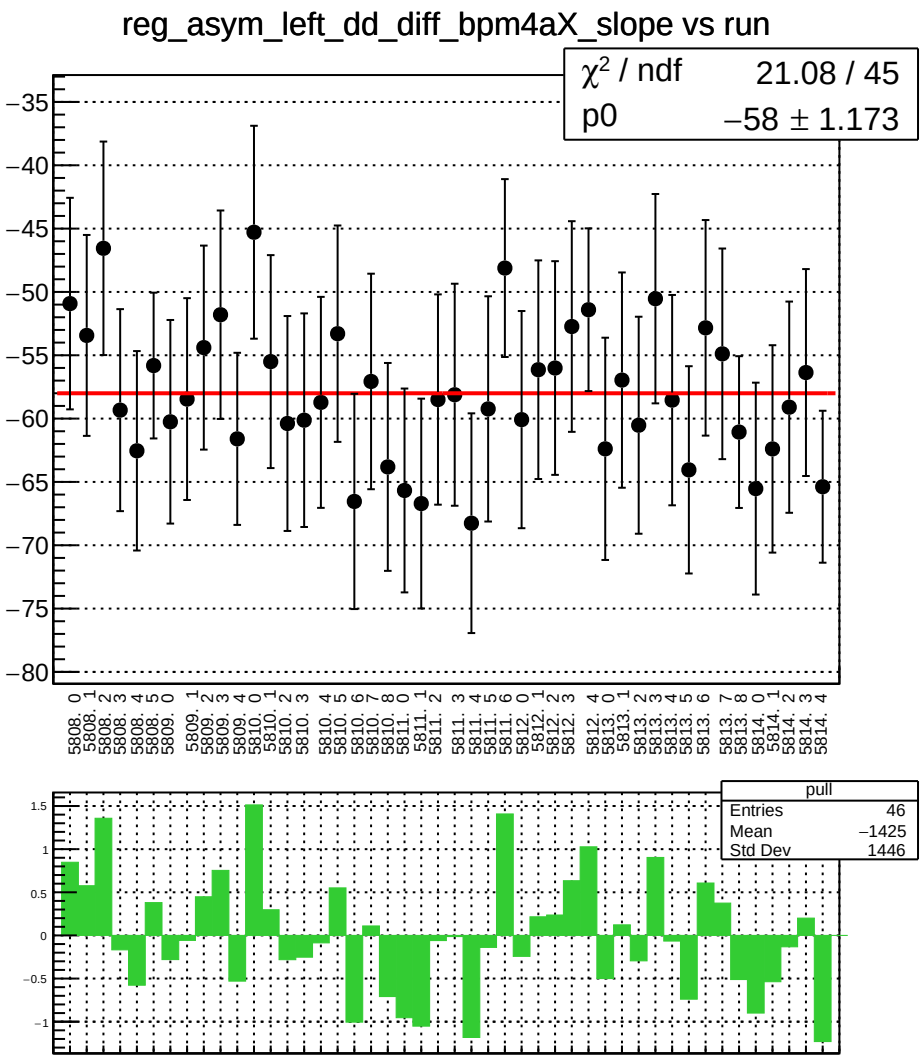

pull1D
Entries 46
Mean 9.664e−05
Std Dev 0.6835

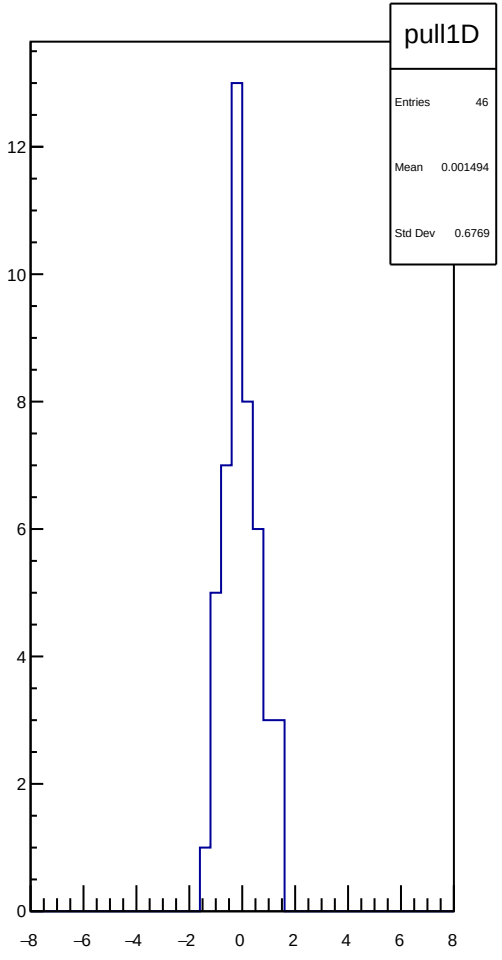

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.85 / 45
p0 −10.91± 1.136
pull
Entries 46
Mean 204.9
Std Dev 169.7

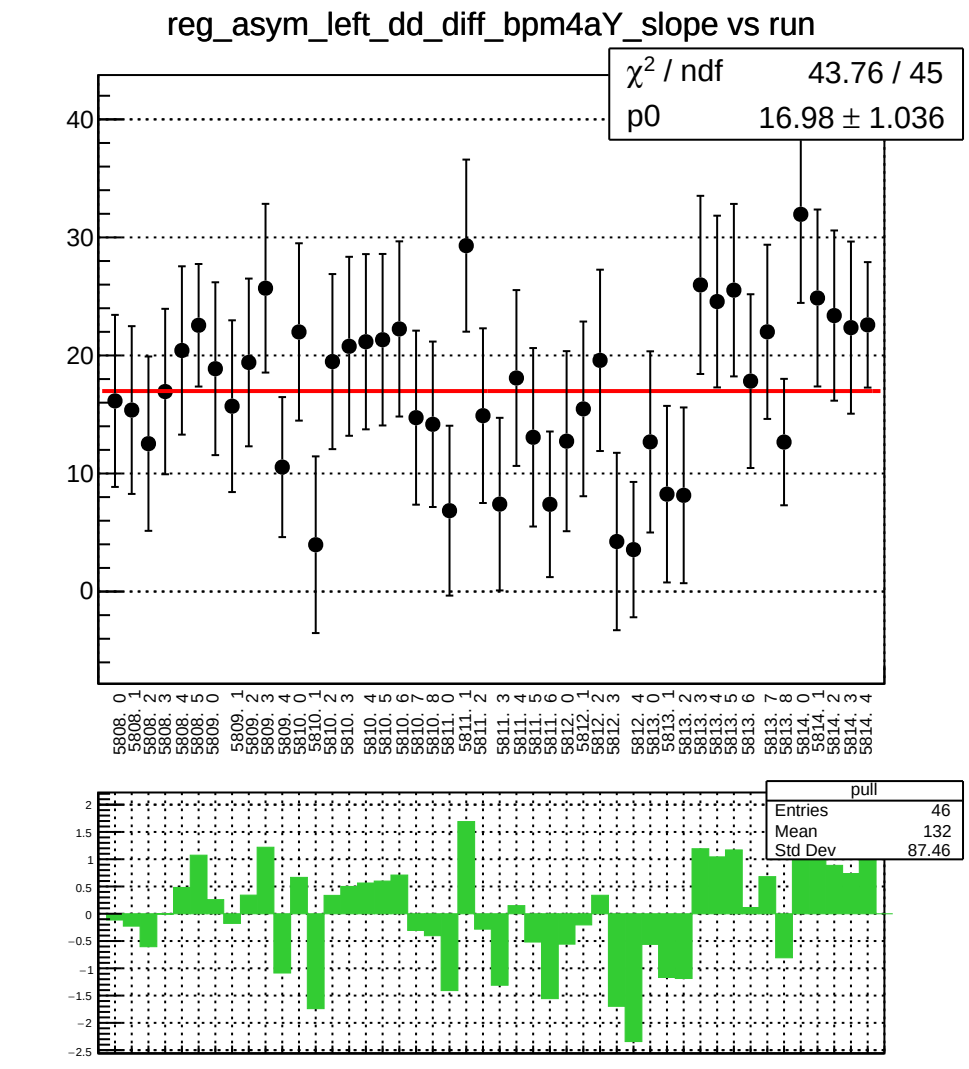

pull1D
Entries 46
Mean −0.01282
Std Dev 1.02

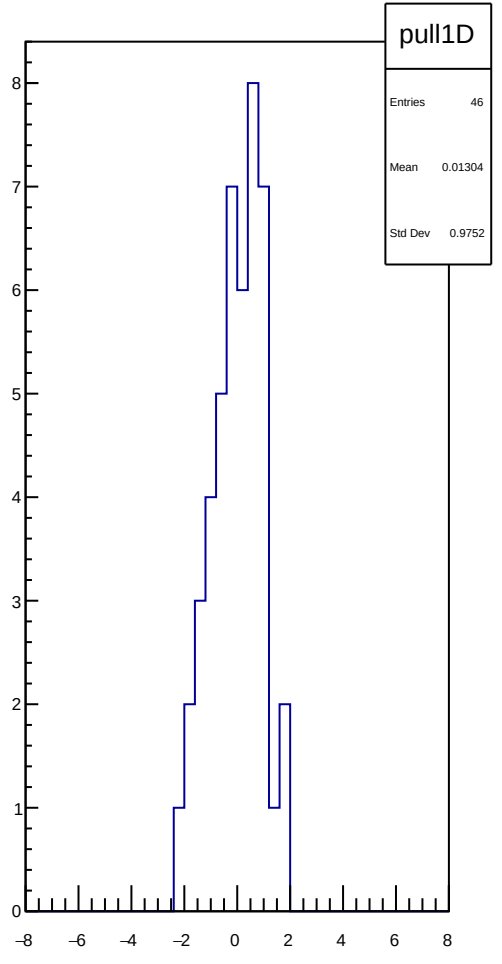

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 36.21 / 45
p0 −23.43 ± 0.06781
pull
Entries 46
Mean 739
Std Dev 714.6

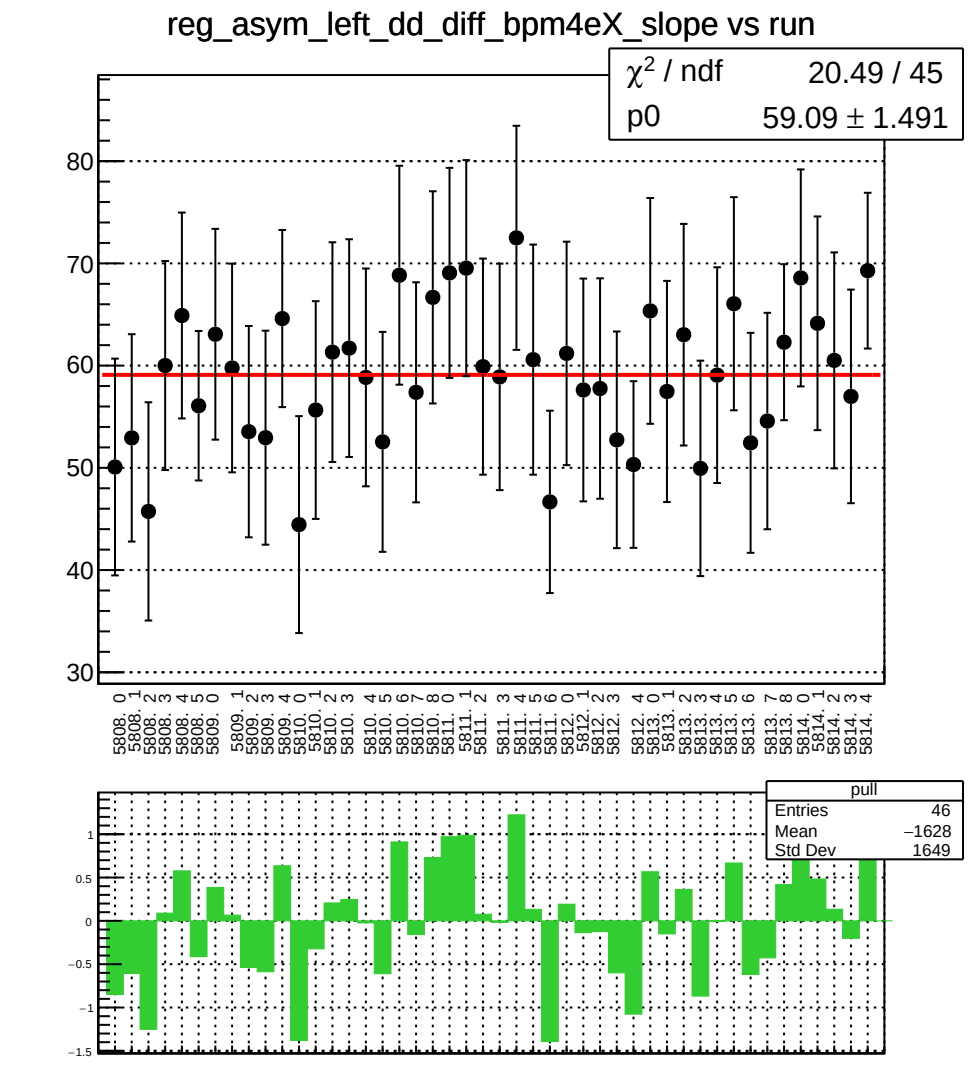

pull1D
Entries 46
Mean −0.002466
Std Dev 0.8872

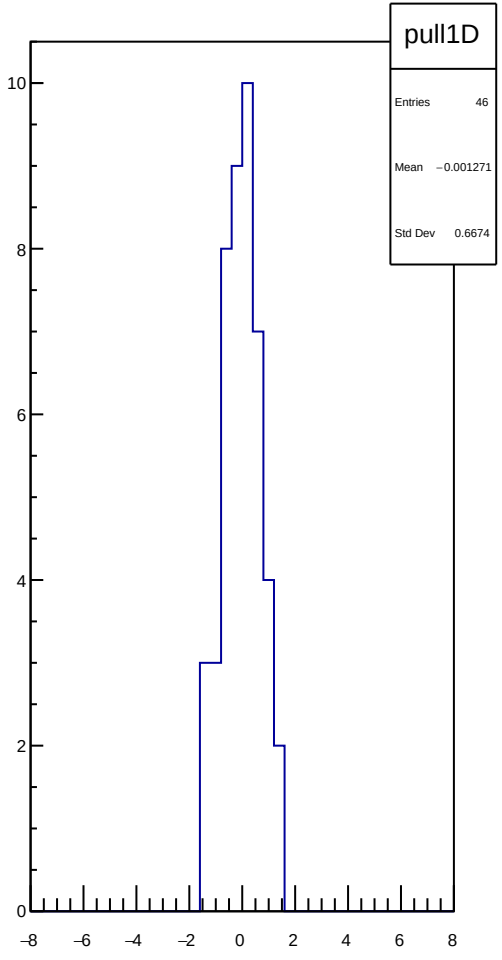

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 21.08 / 45
p0 −58 ± 1.173
pull
Entries 46
Mean −1425
Std Dev 1446

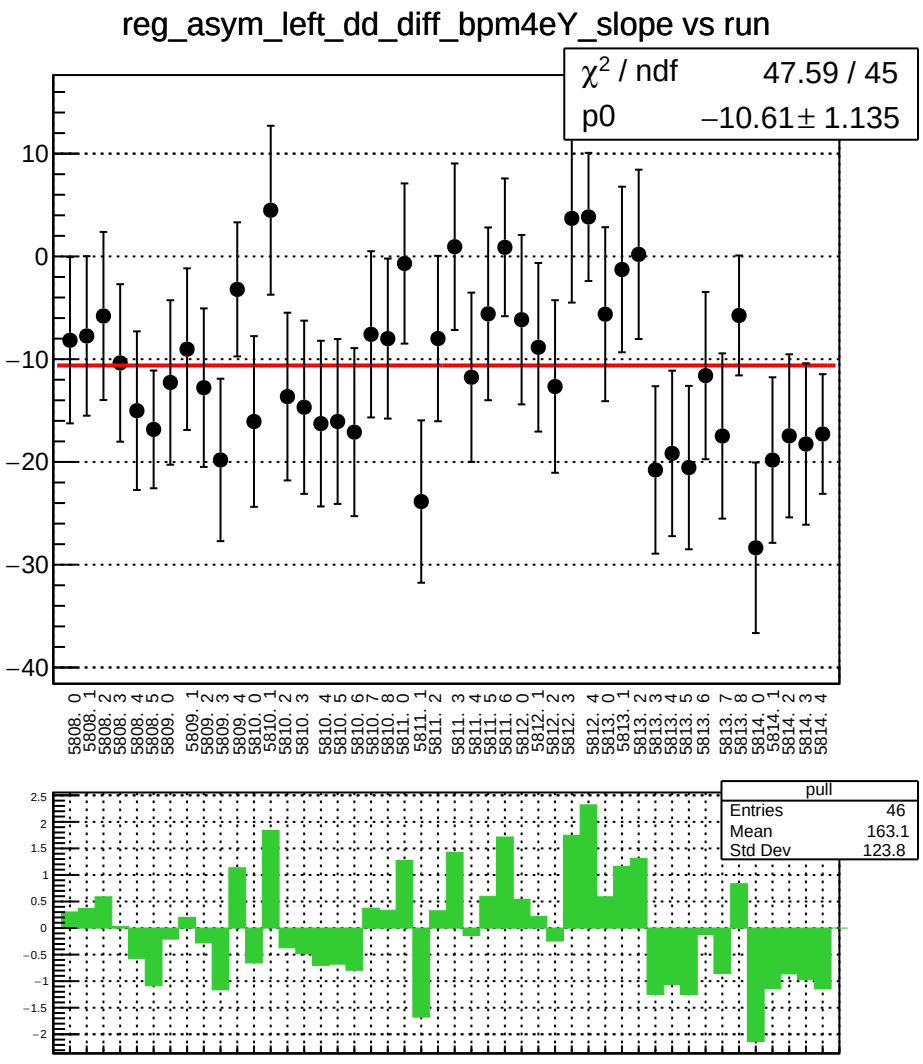

pull1D
Entries 46
Mean 0.001494
Std Dev 0.6769

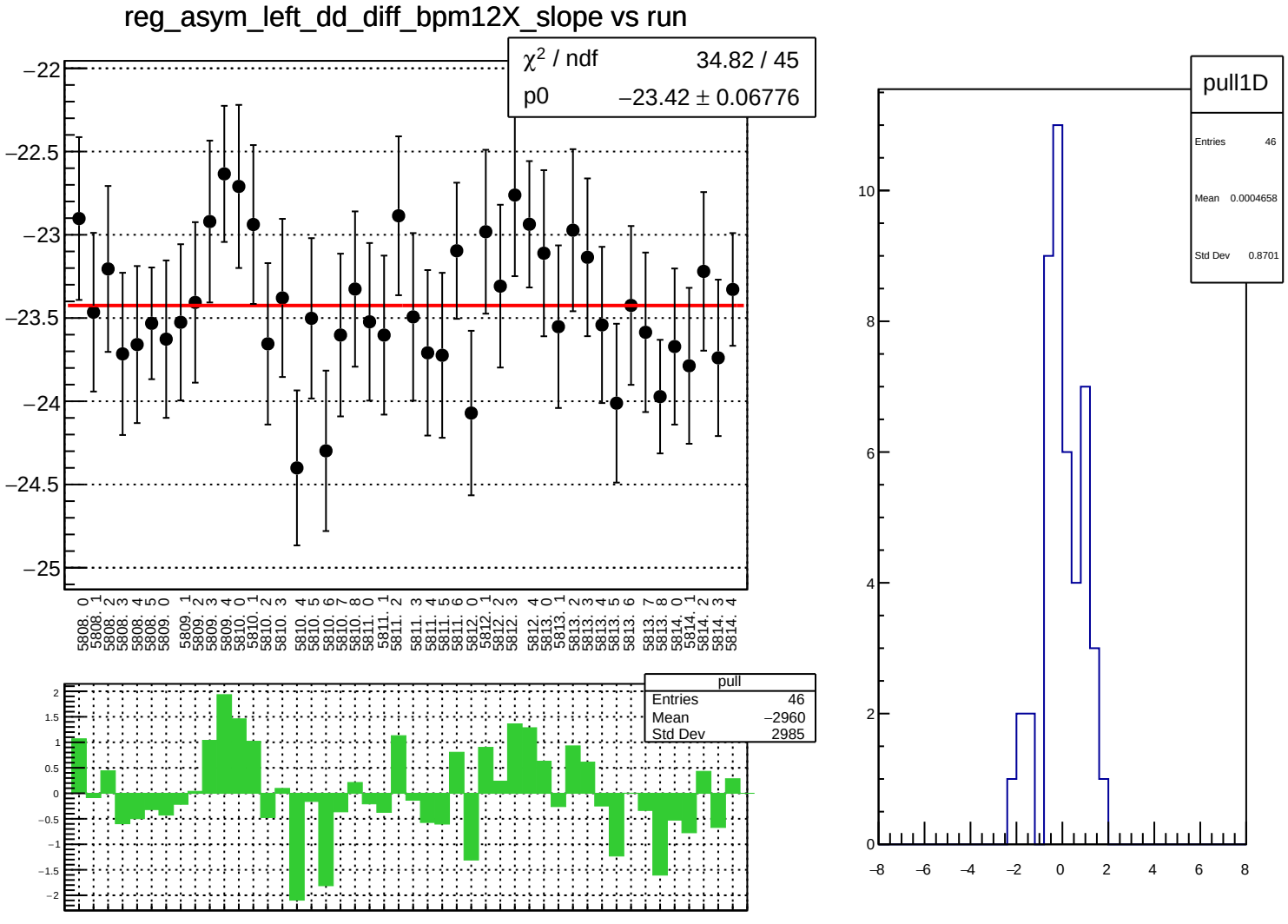

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.76 / 45
p0 16.98 ± 1.036
pull
Entries 46
Mean 132
Std Dev 87.46

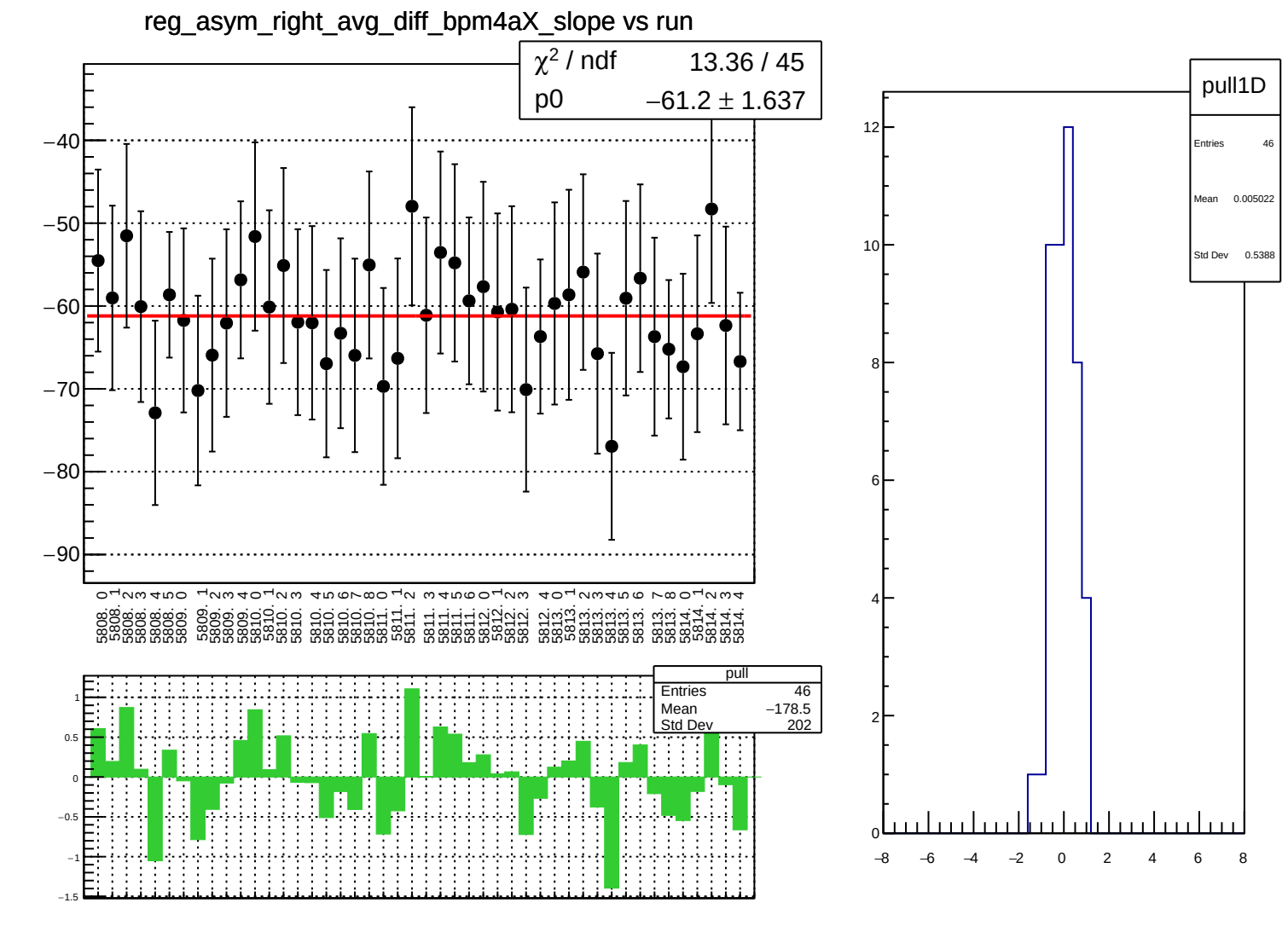

pull1D
Entries 46
Mean 0.01304
Std Dev 0.9752


reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.49 / 45
p0 59.09 ± 1.491
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −1628
Std Dev 1649
1
0.5
0
−0.5
−1
−1.5

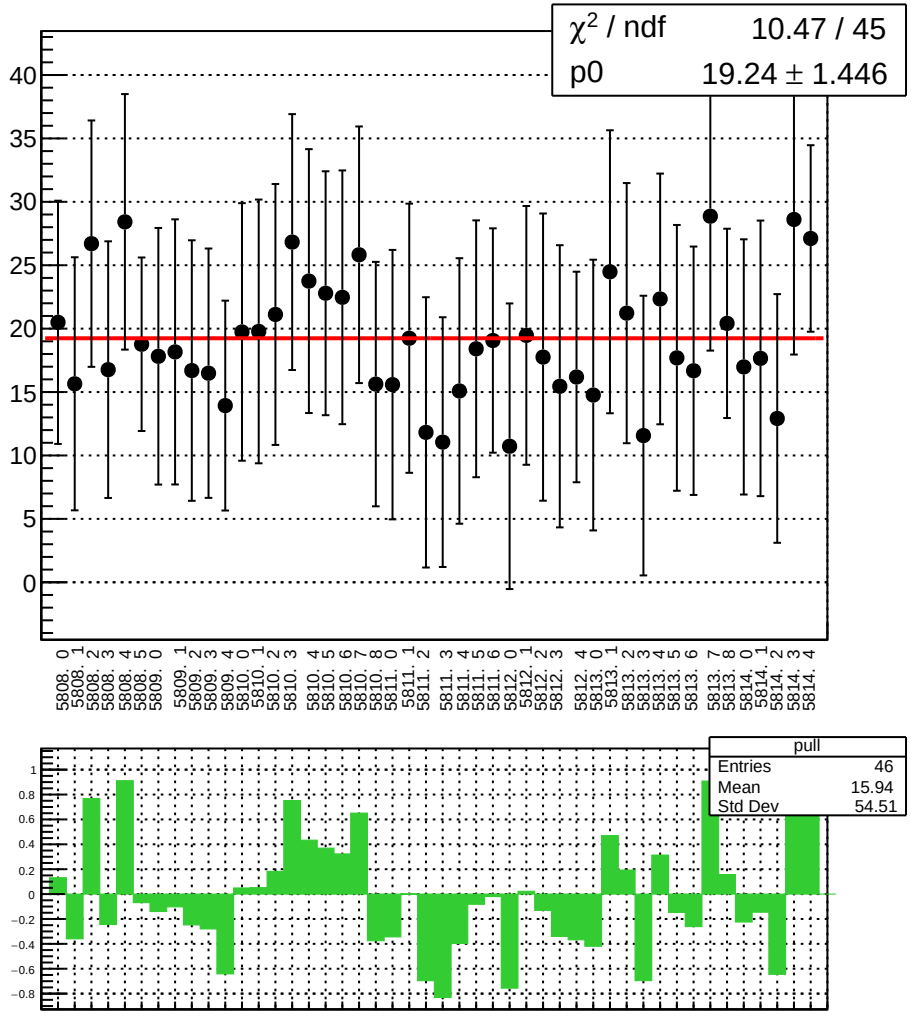

pull1D
Entries 46
Mean −0.001271
Std Dev 0.6674
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

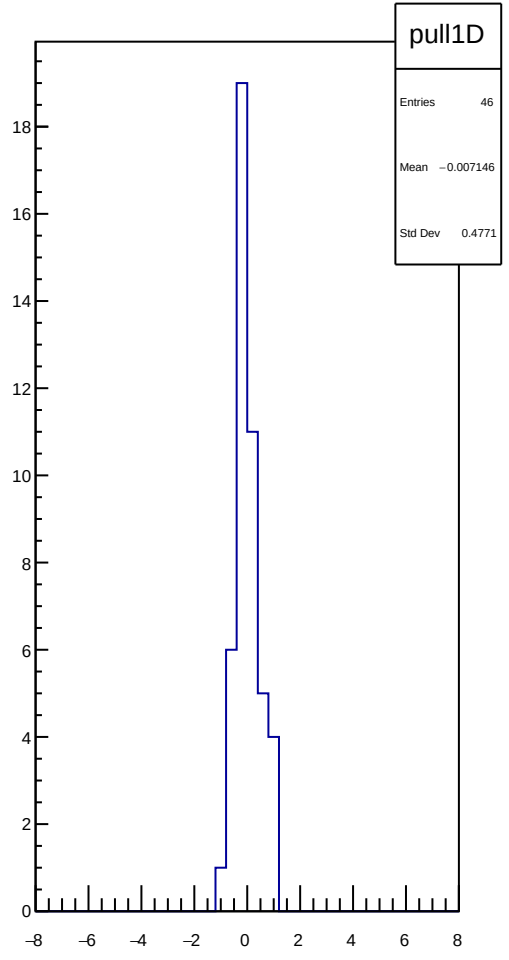

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.59 / 45
p0 −10.61 ± 1.135
10
0
−10
−20
−30
−40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 163.1
Std Dev 123.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.01331
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

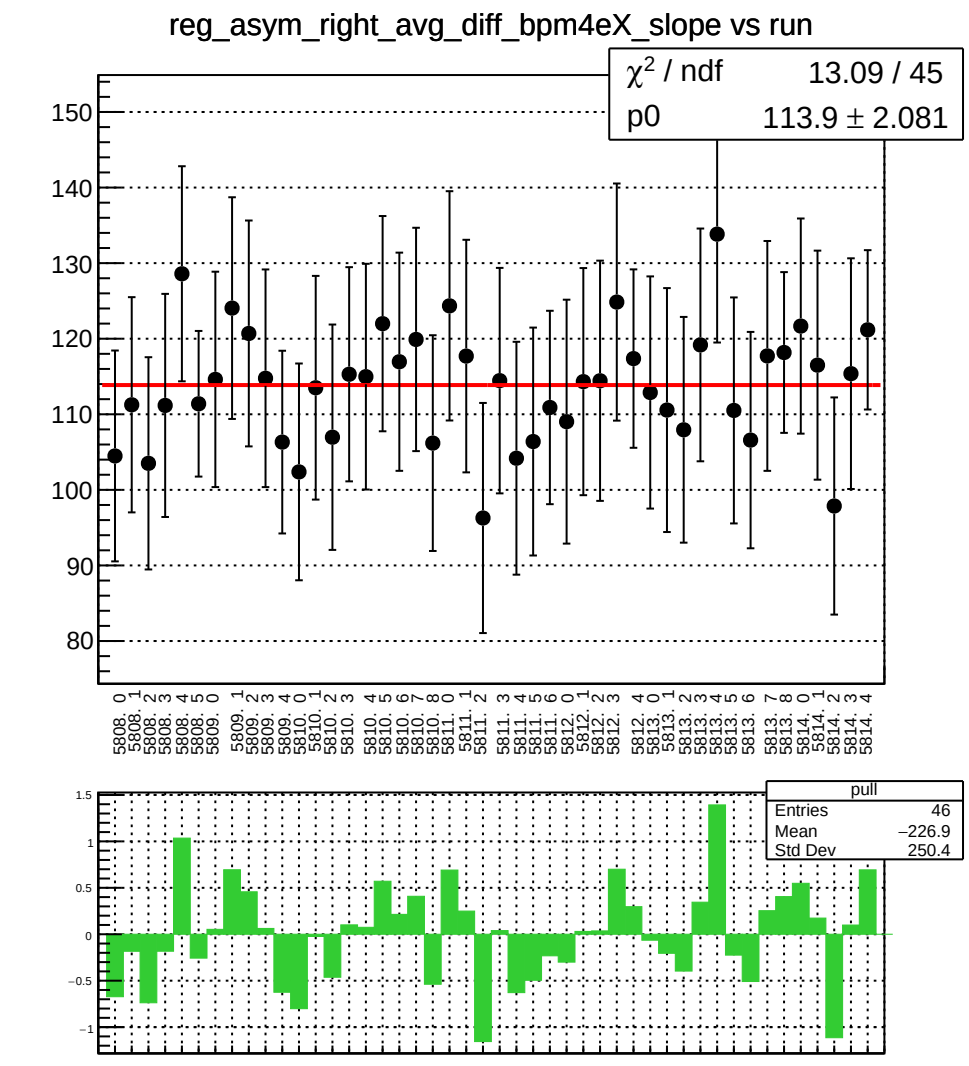

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 34.82 / 45
p0 −23.42 ± 0.06776
−22
−22.5
−23
−23.5
−24
−24.5
−25
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −2960
Std Dev 2985
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.0004658
Std Dev 0.8701
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

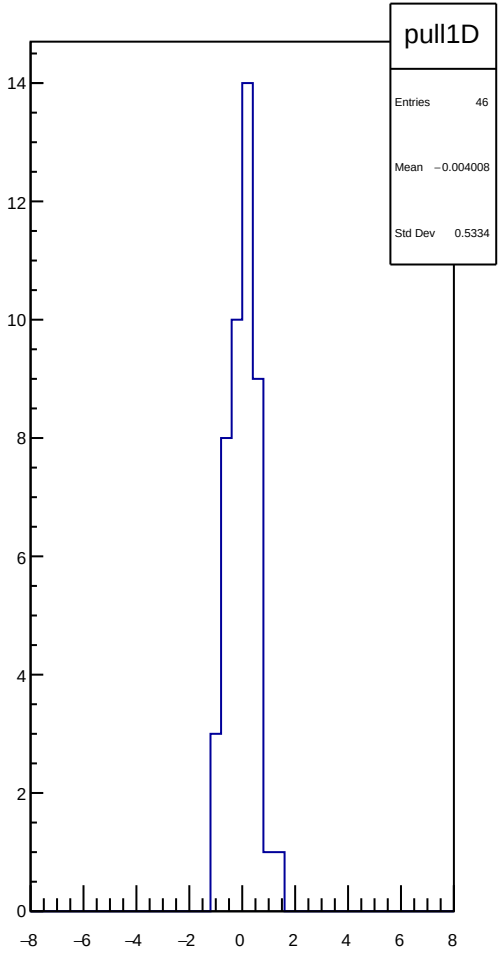

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.36 / 45
p0 −61.2 ± 1.637
pull
Entries 46
Mean −178.5
Std Dev 202
pull1D
Entries 46
Mean 0.005022
Std Dev 0.5388

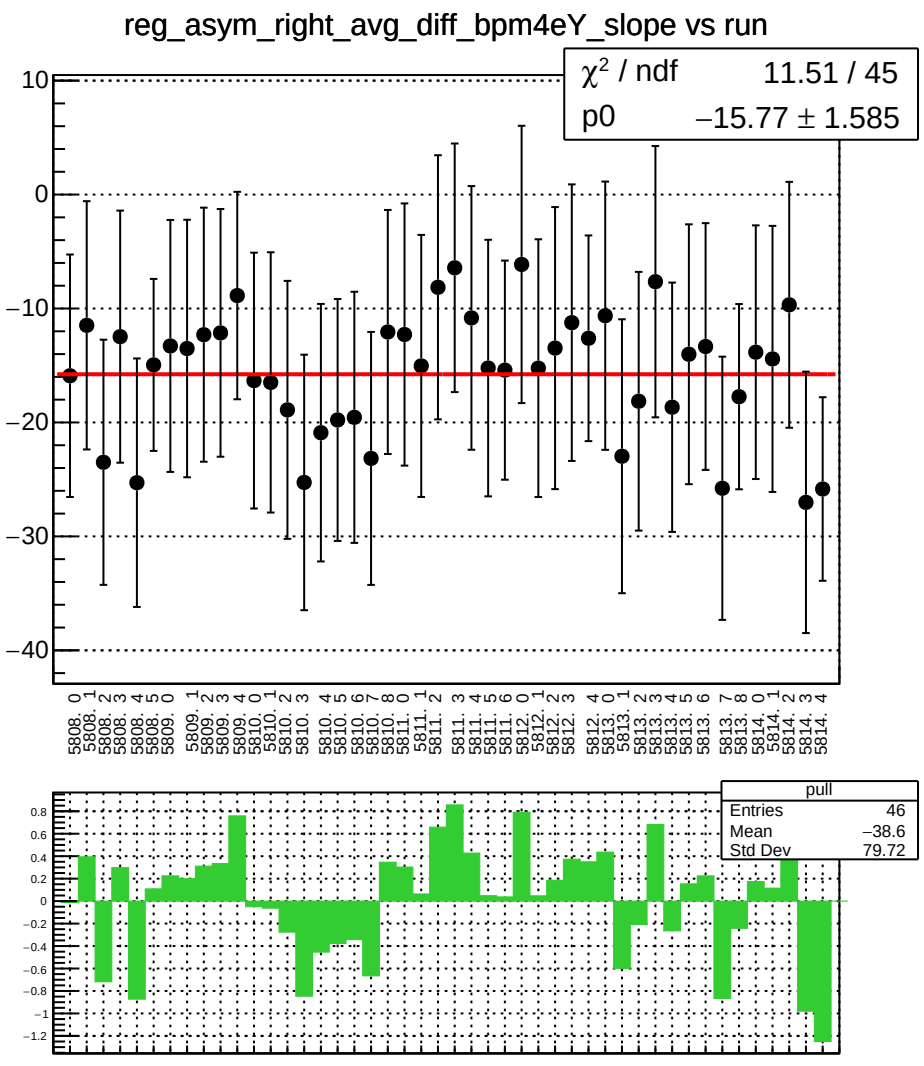
reg_asym_right_avg_diff_bpm4aY_slope vs run

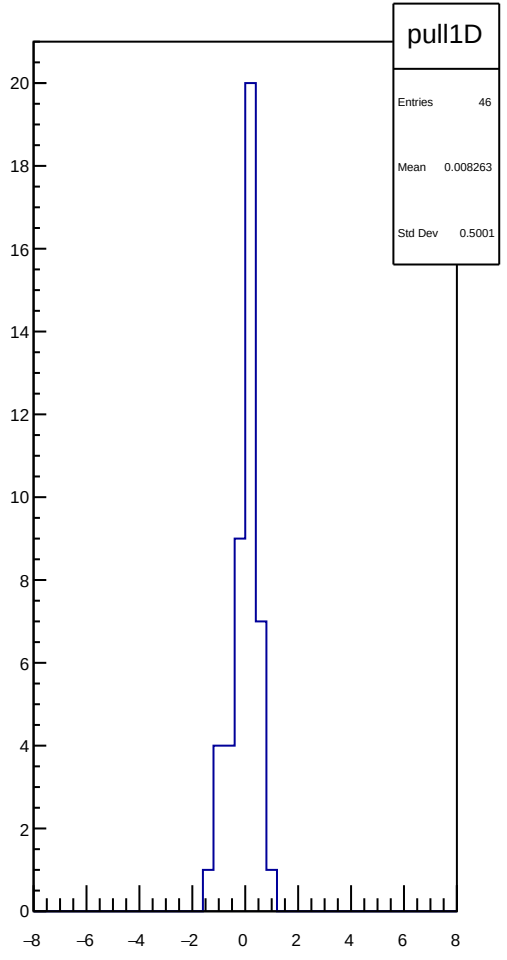


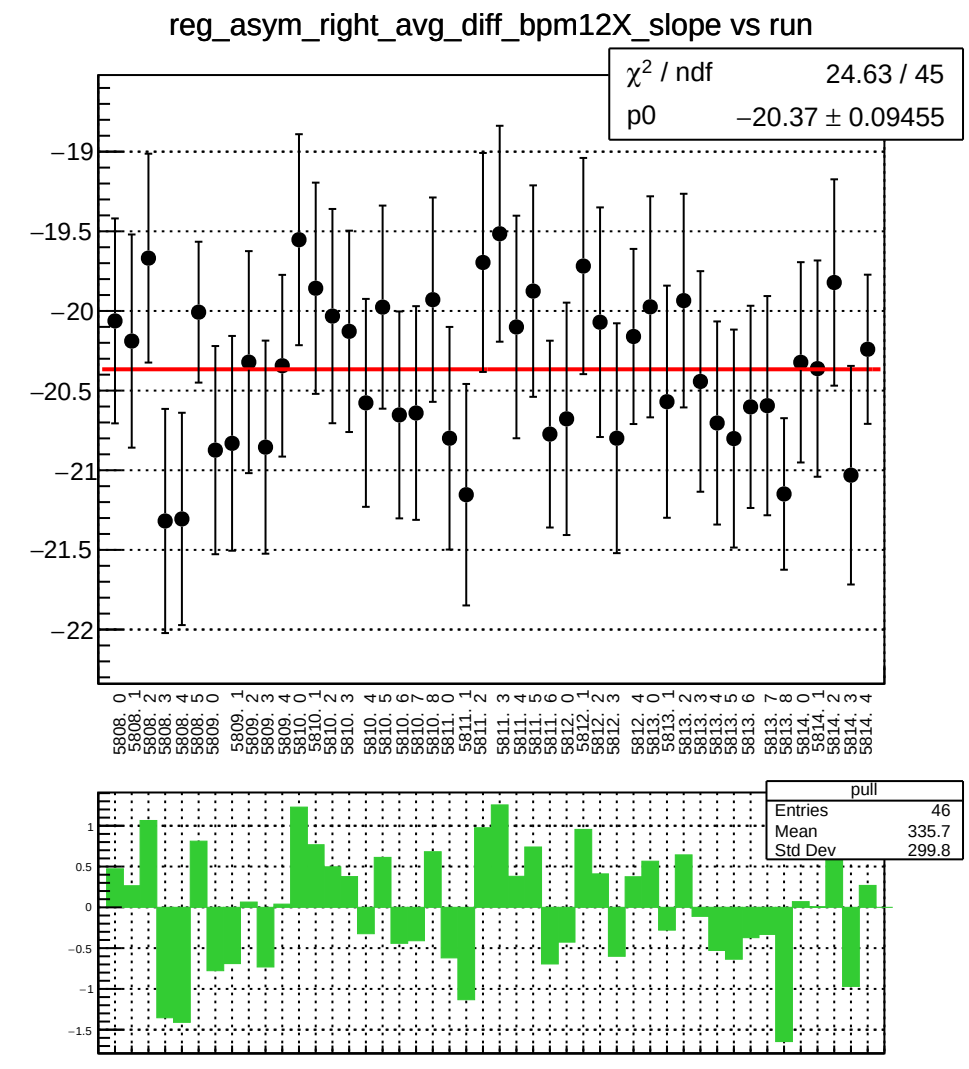


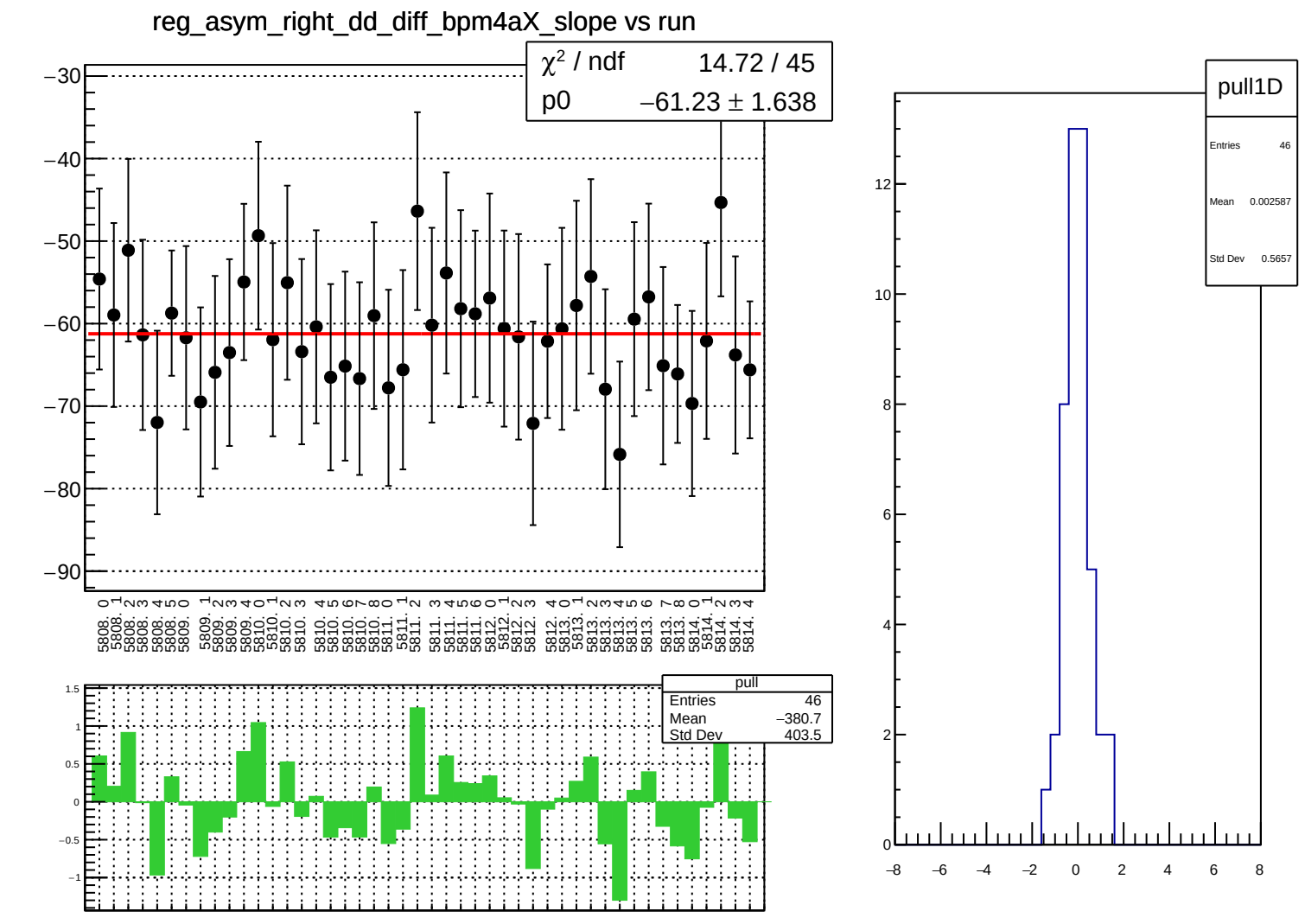

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.09 / 45
p0 113.9 ± 2.081
150
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −226.9
Std Dev 250.4
1.5
1
0.5
0
−0.5
−1

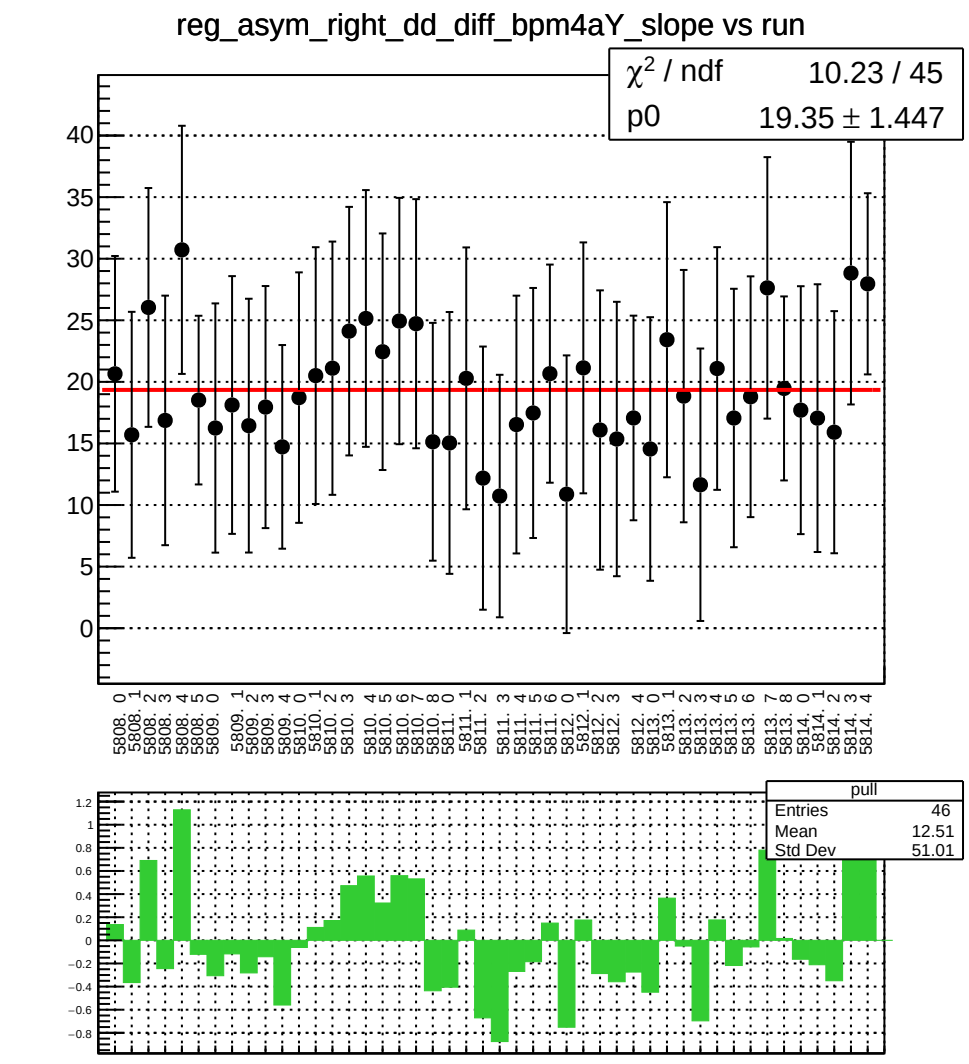

pull1D
Entries 46
Mean −0.004008
Std Dev 0.5334
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

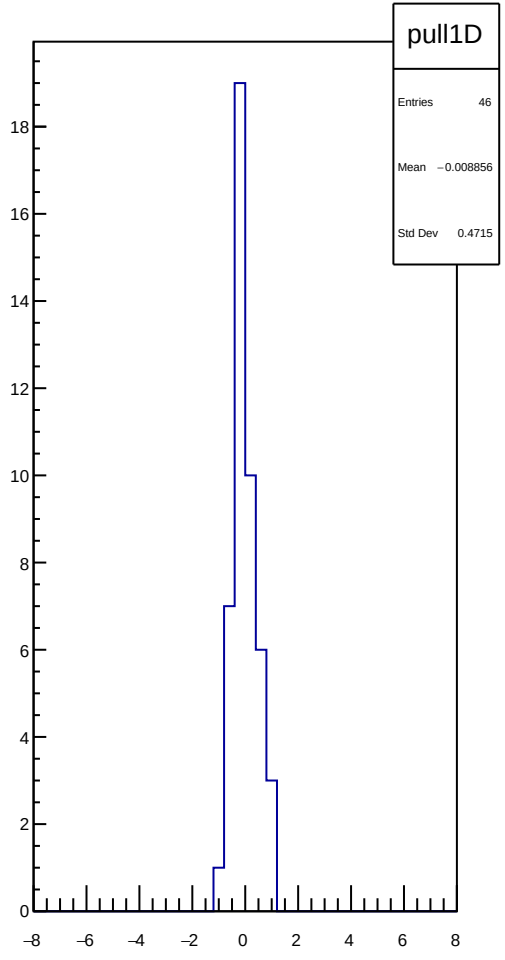

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.51 / 45
p0 −15.77 ± 1.585
pull
Entries 46
Mean −38.6
Std Dev 79.72

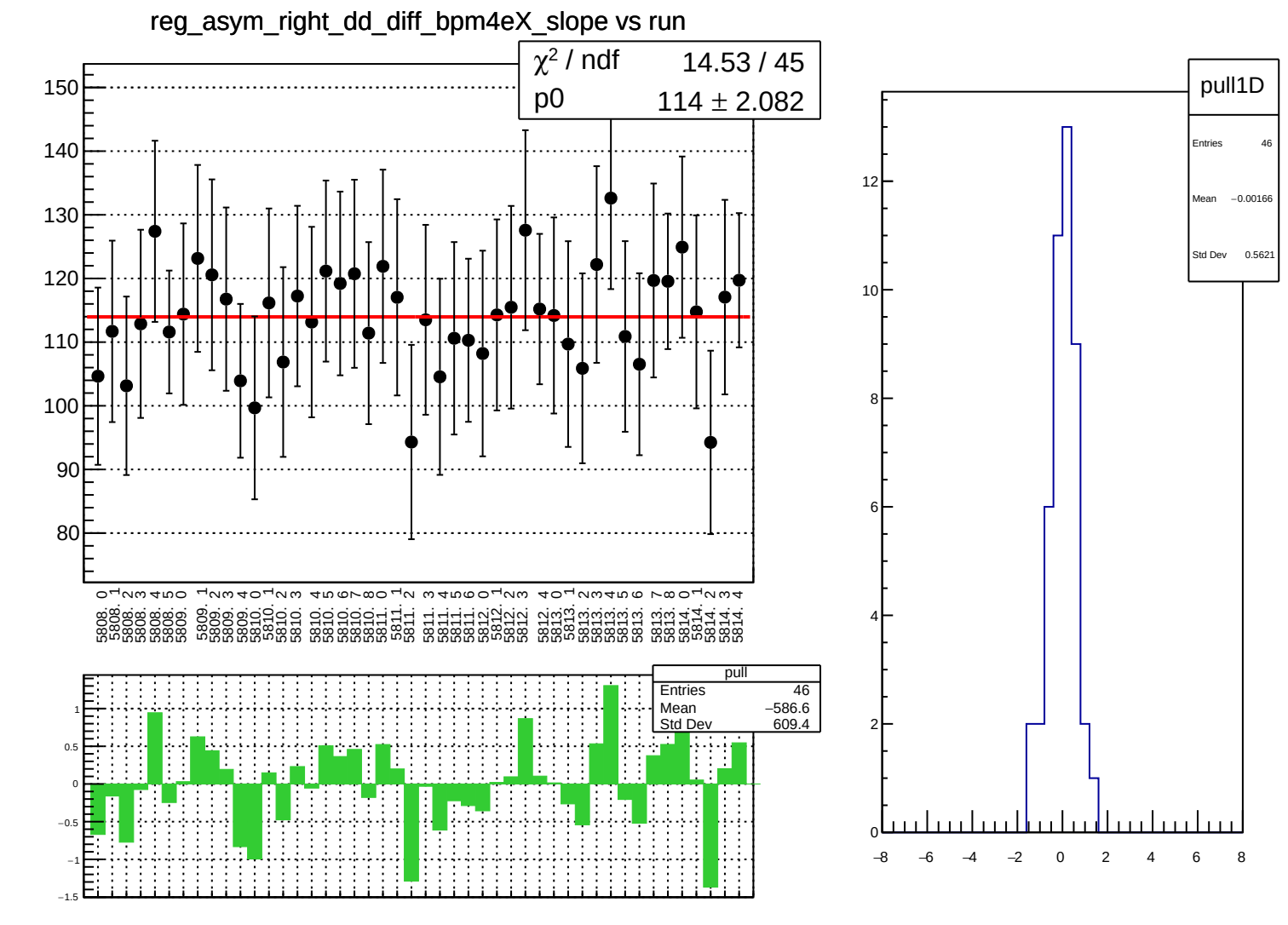

pull1D
Entries 46
Mean 0.008263
Std Dev 0.5001

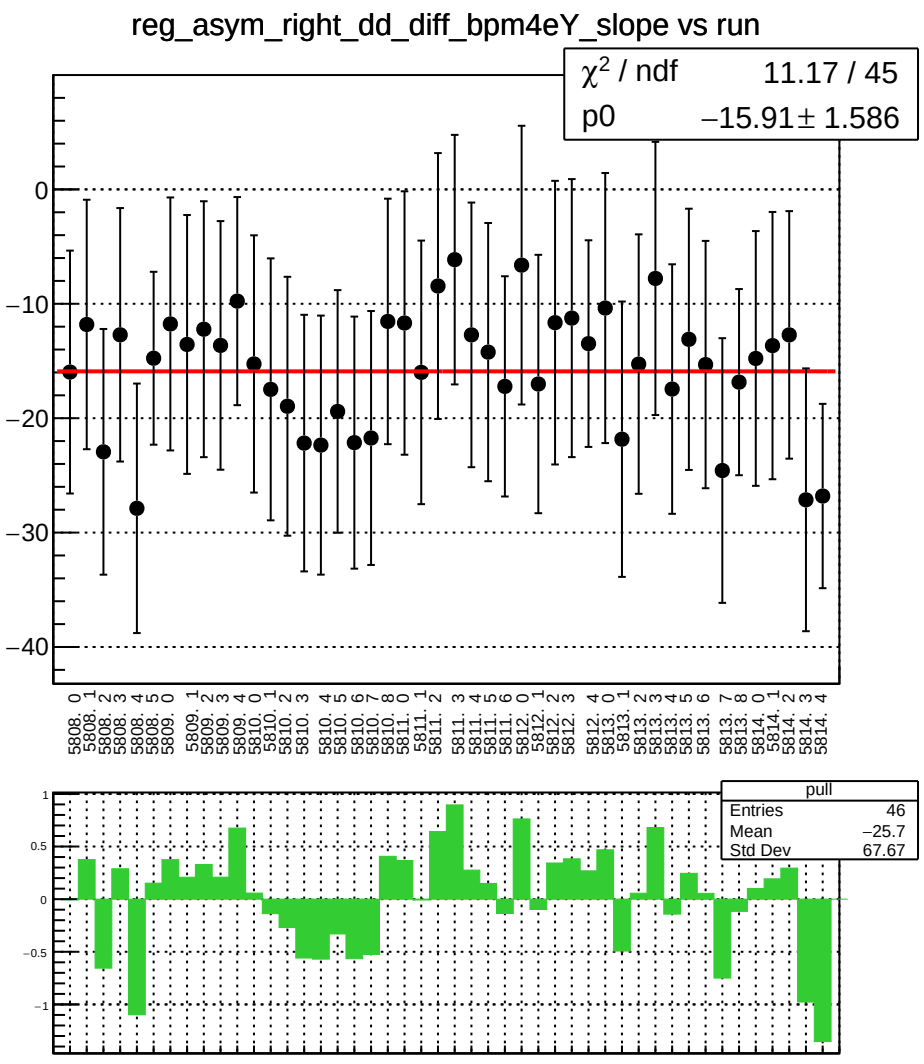

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 24.63 / 45
p0 −20.37 ± 0.09455
−19
−19.5
−20
−20.5
−21
−21.5
−22
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 335.7
Std Dev 299.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.002343
Std Dev 0.7317
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

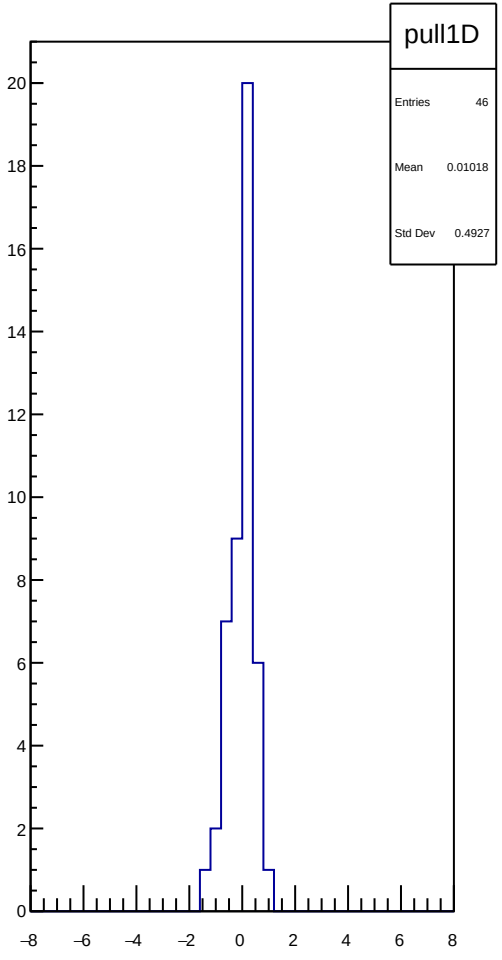

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.72 / 45
p0 −61.23 ± 1.638
−30
−40
−50
−60
−70
−80
−90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −380.7
Std Dev 403.5
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.002587
Std Dev 0.5657
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

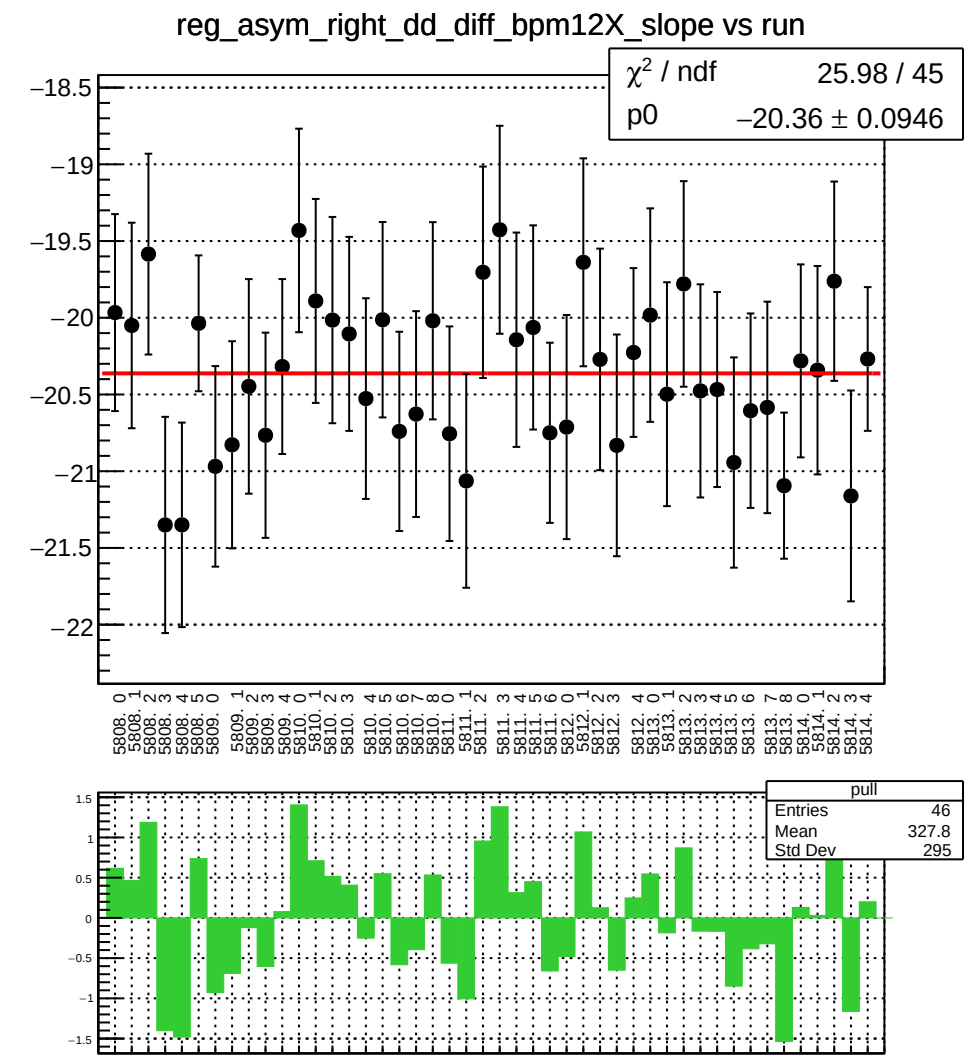

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.23 / 45
p0 19.35 ± 1.447
pull
Entries 46
Mean 12.51
Std Dev 51.01

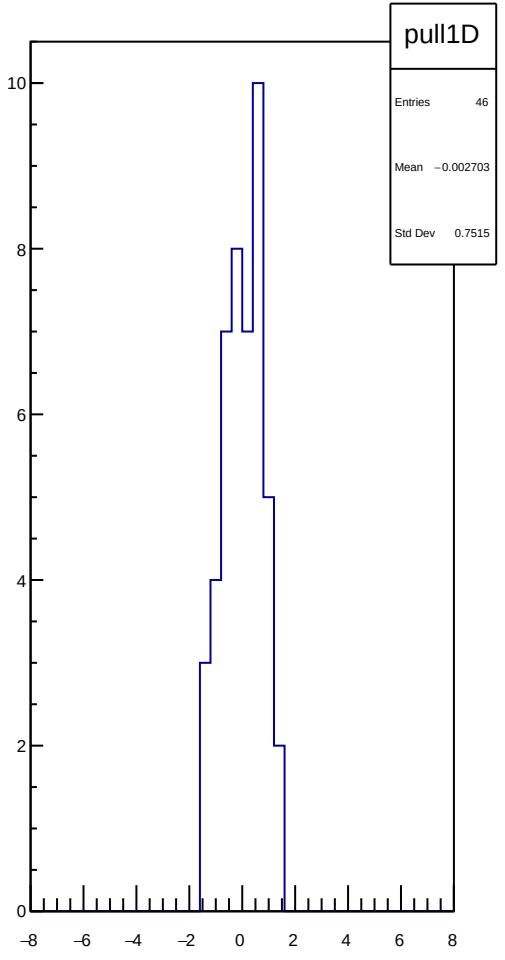

pull1D
Entries 46
Mean −0.008856
Std Dev 0.4715

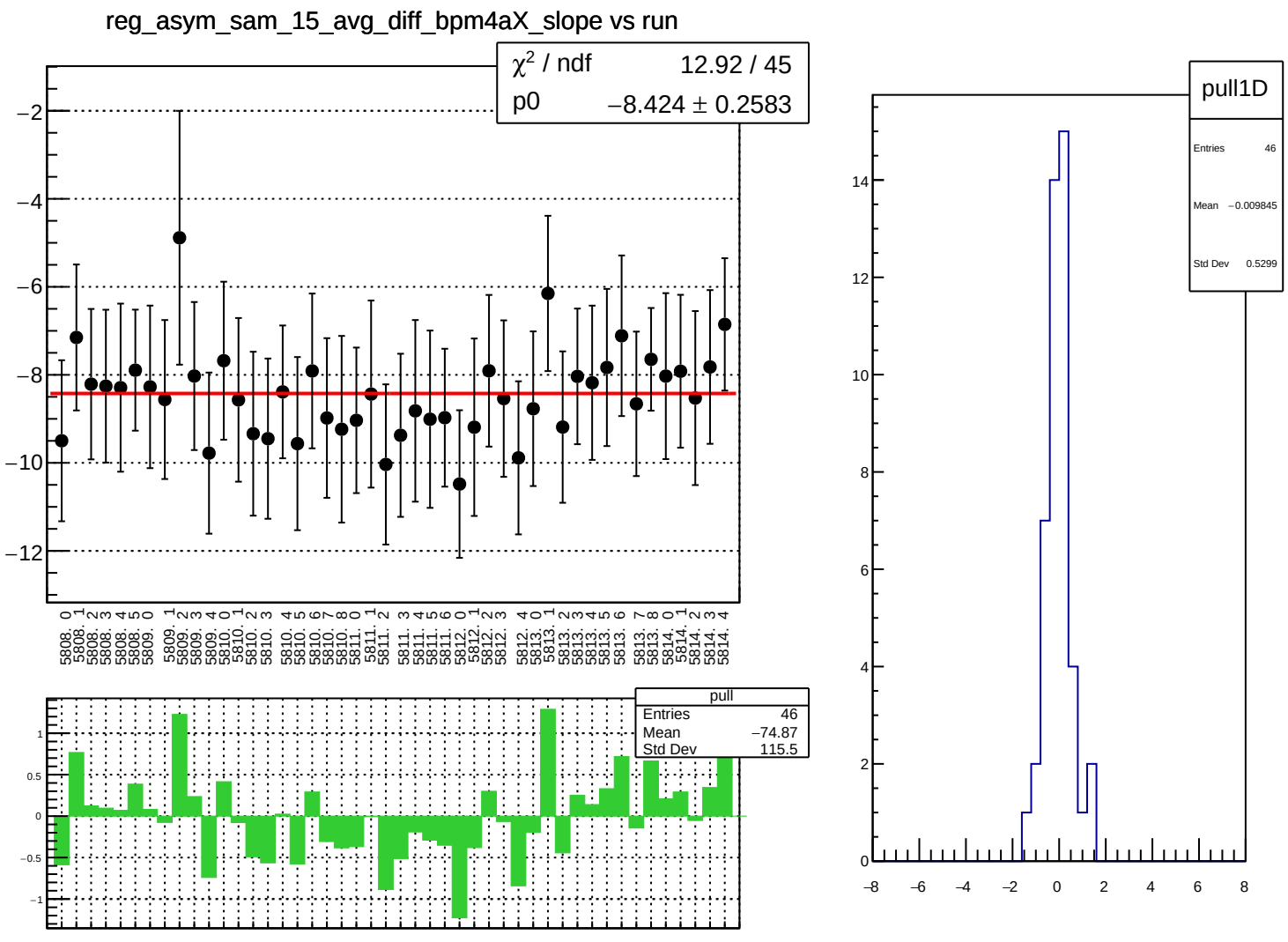

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.53 / 45
p0 114 ± 2.082
150
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −586.6
Std Dev 609.4
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.00166
Std Dev 0.5621
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

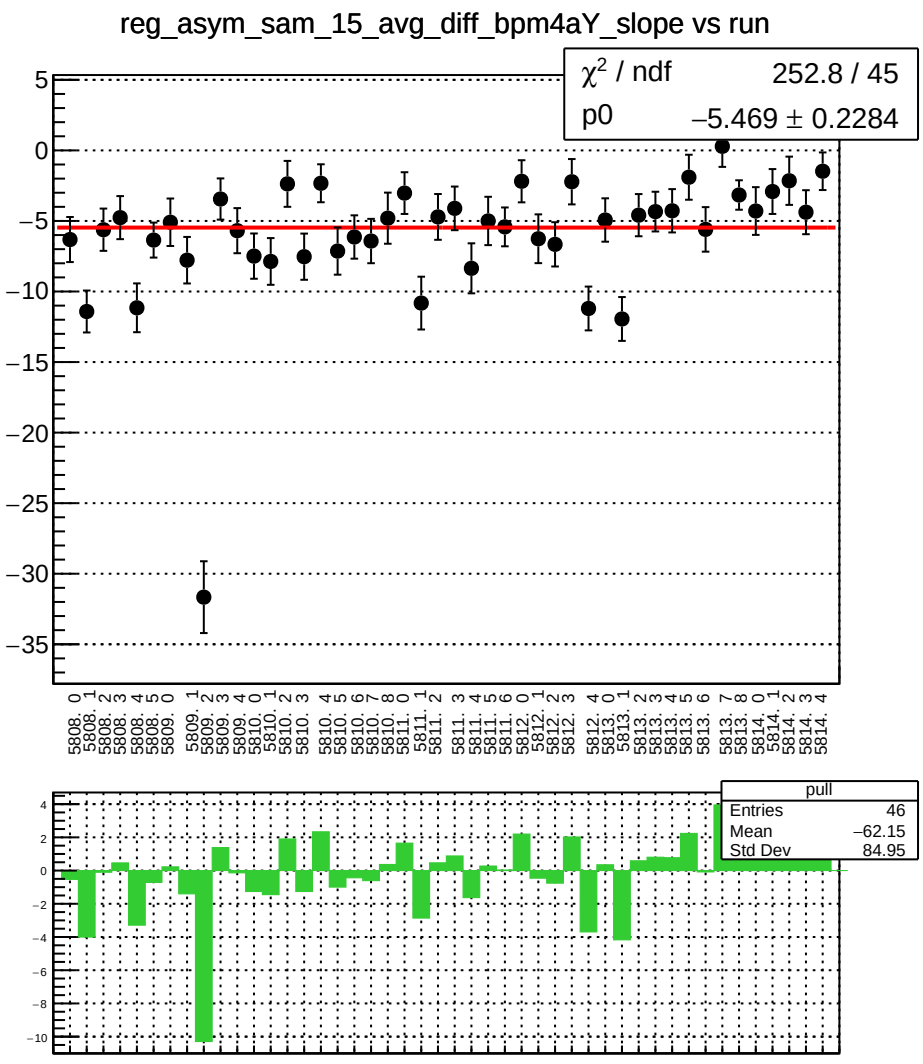

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.17 / 45
p0 −15.91± 1.586
0
−10
−20
−30
−40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −25.7
Std Dev 67.67
1
0.5
0
−0.5
−1

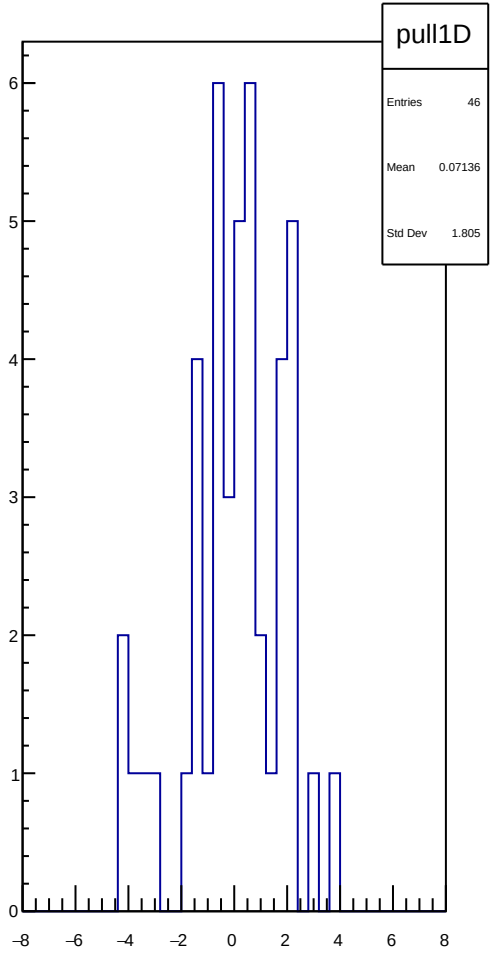

pull1D
Entries 46
Mean 0.01018
Std Dev 0.4927
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

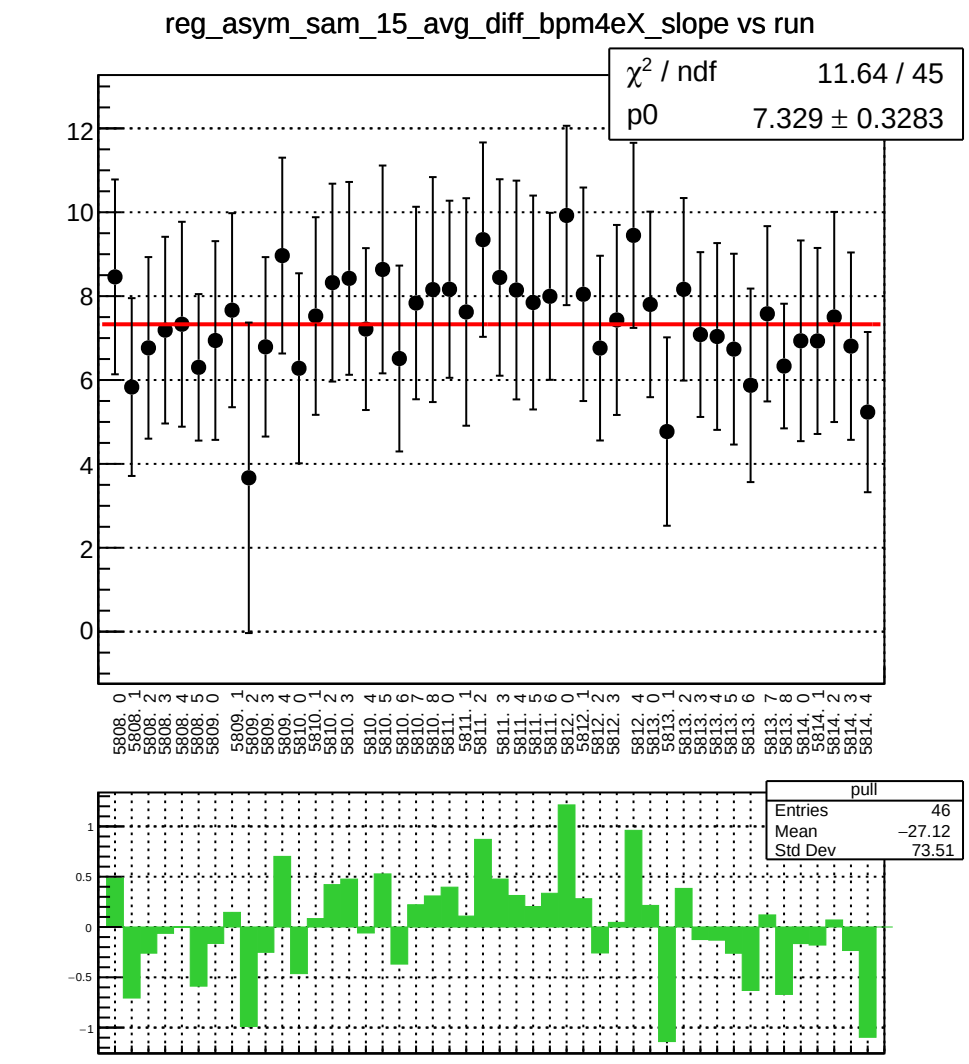

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 25.98 / 45
p0 −20.36 ± 0.0946
pull
Entries 46
Mean 327.8
Std Dev 295

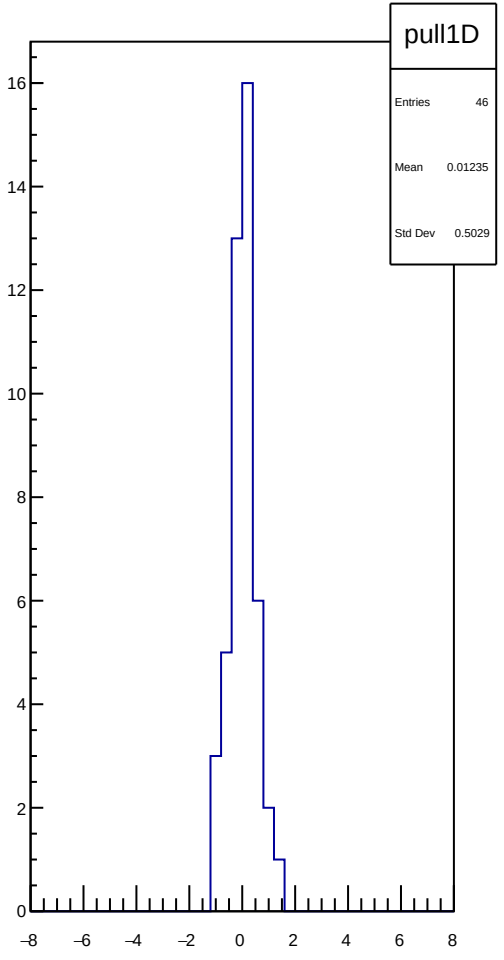

pull1D
Entries 46
Mean −0.002703
Std Dev 0.7515

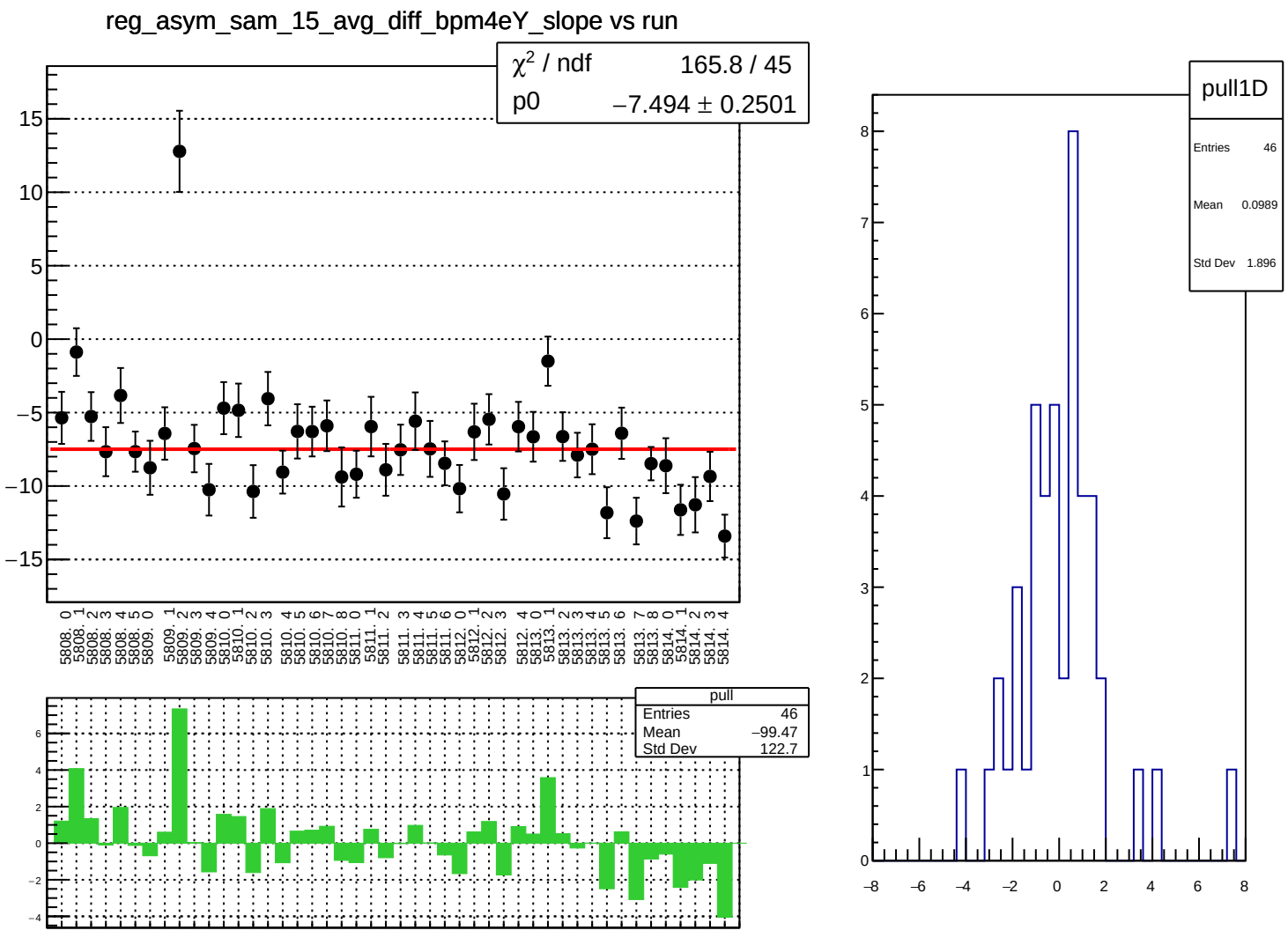

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.92 / 45
p0 −8.424 ± 0.2583
pull
Entries 46
Mean −74.87
Std Dev 115.5
pull1D
Entries 46
Mean −0.009845
Std Dev 0.5299

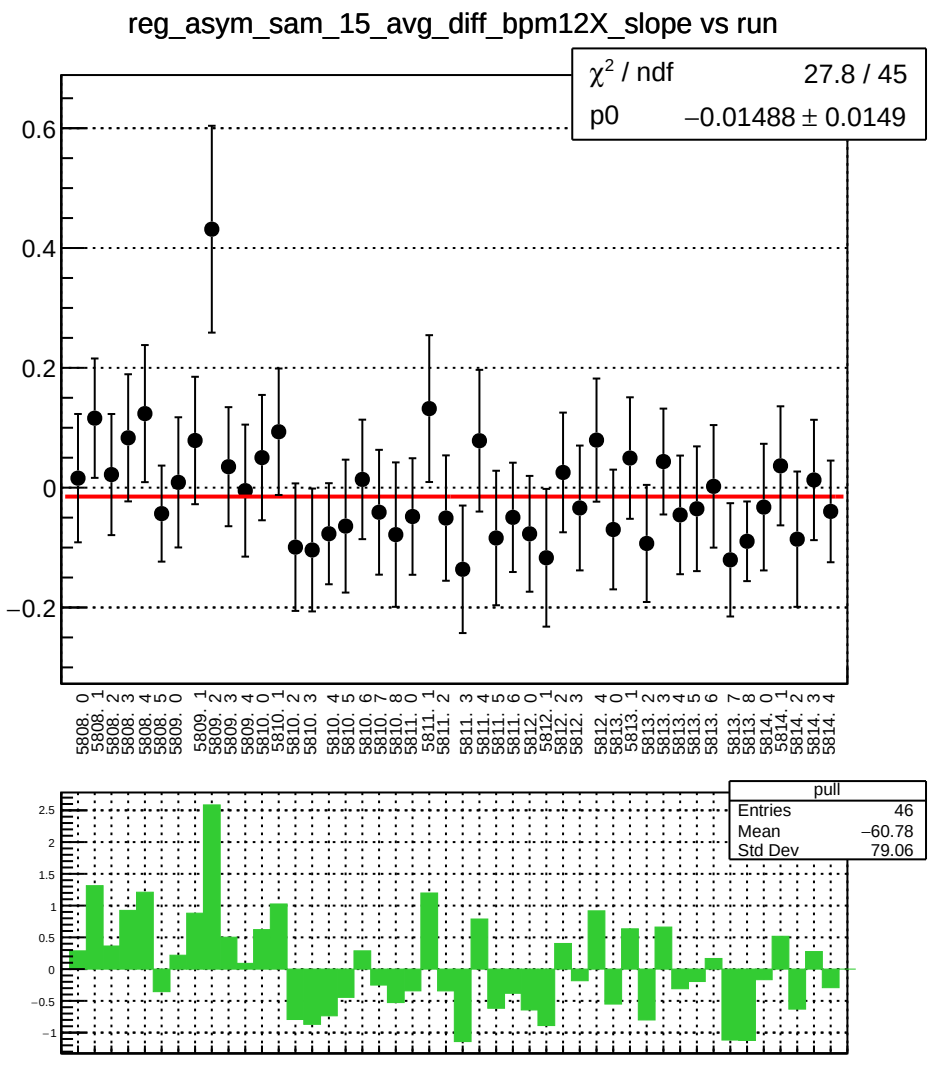

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 252.8 / 45
p0 −5.469 ± 0.2284
pull
Entries 46
Mean −62.15
Std Dev 84.95

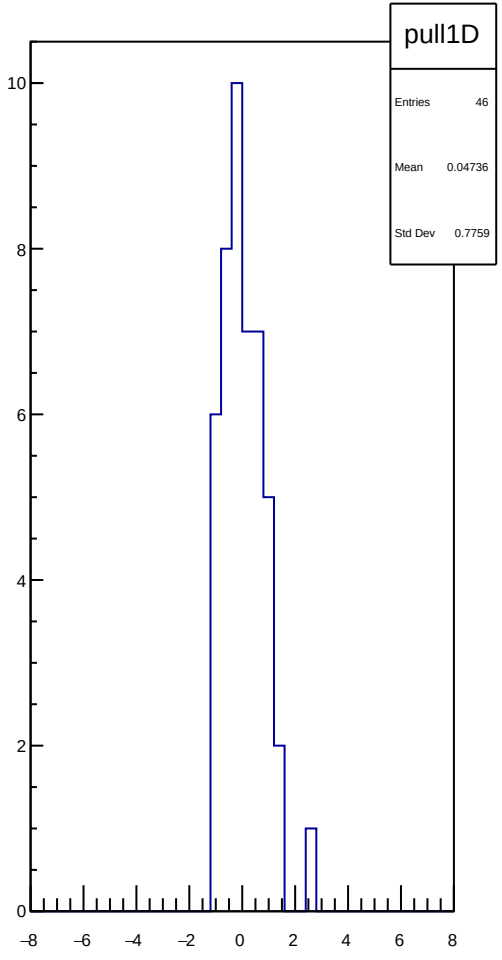

pull1D
Entries 46
Mean 0.07136
Std Dev 1.805

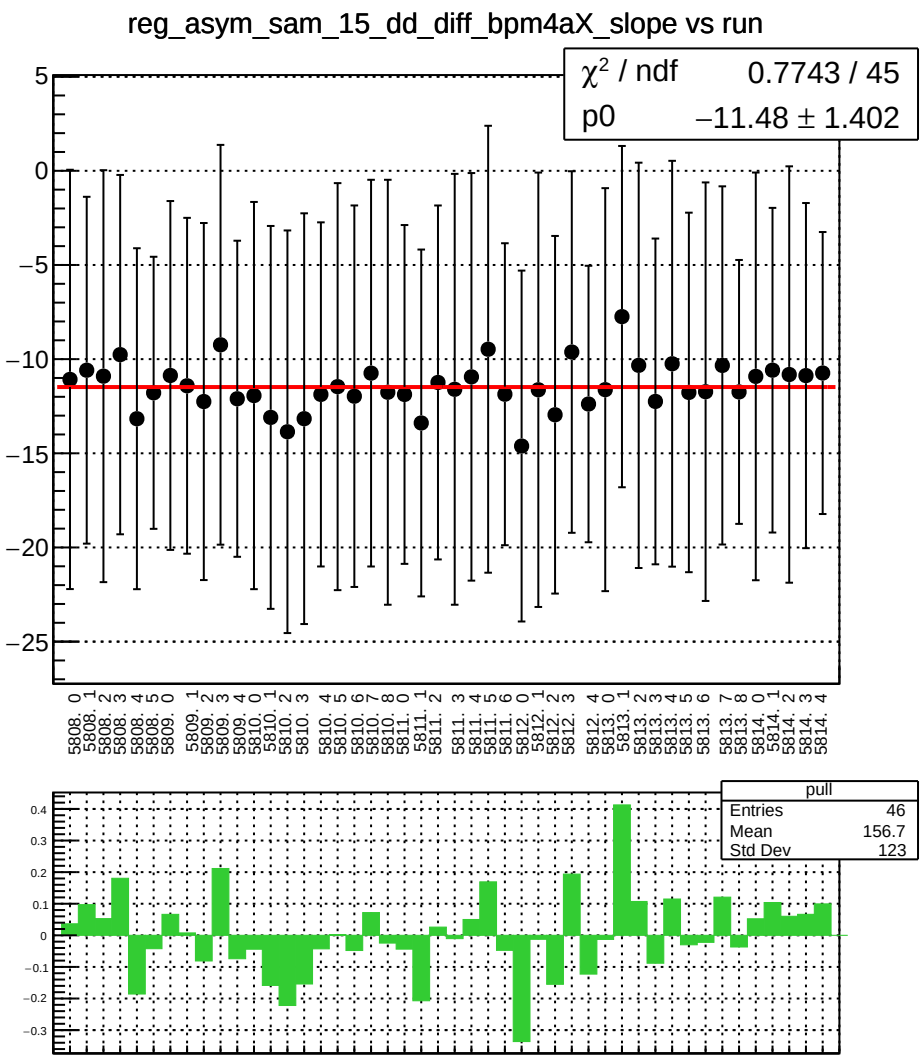

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.64 / 45
p0 7.329 ± 0.3283
pull
Entries 46
Mean −27.12
Std Dev 73.51

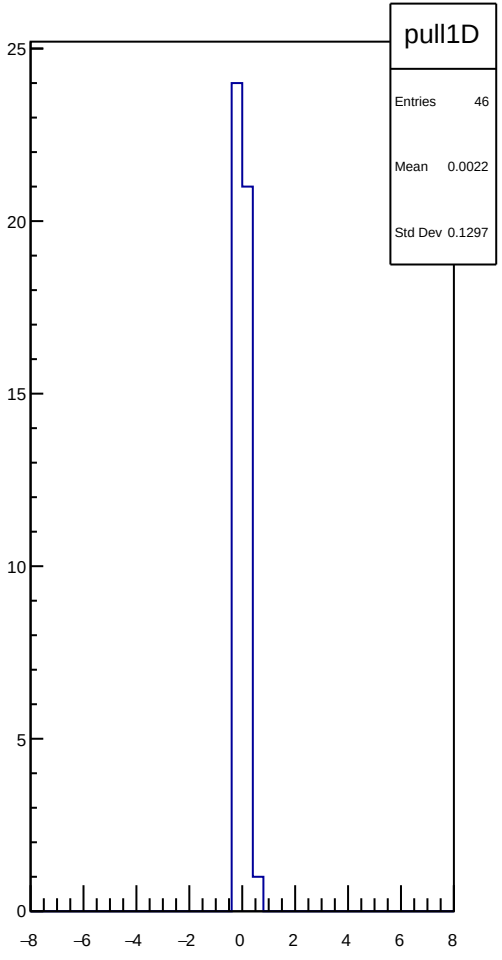

pull1D
Entries 46
Mean 0.01235
Std Dev 0.5029

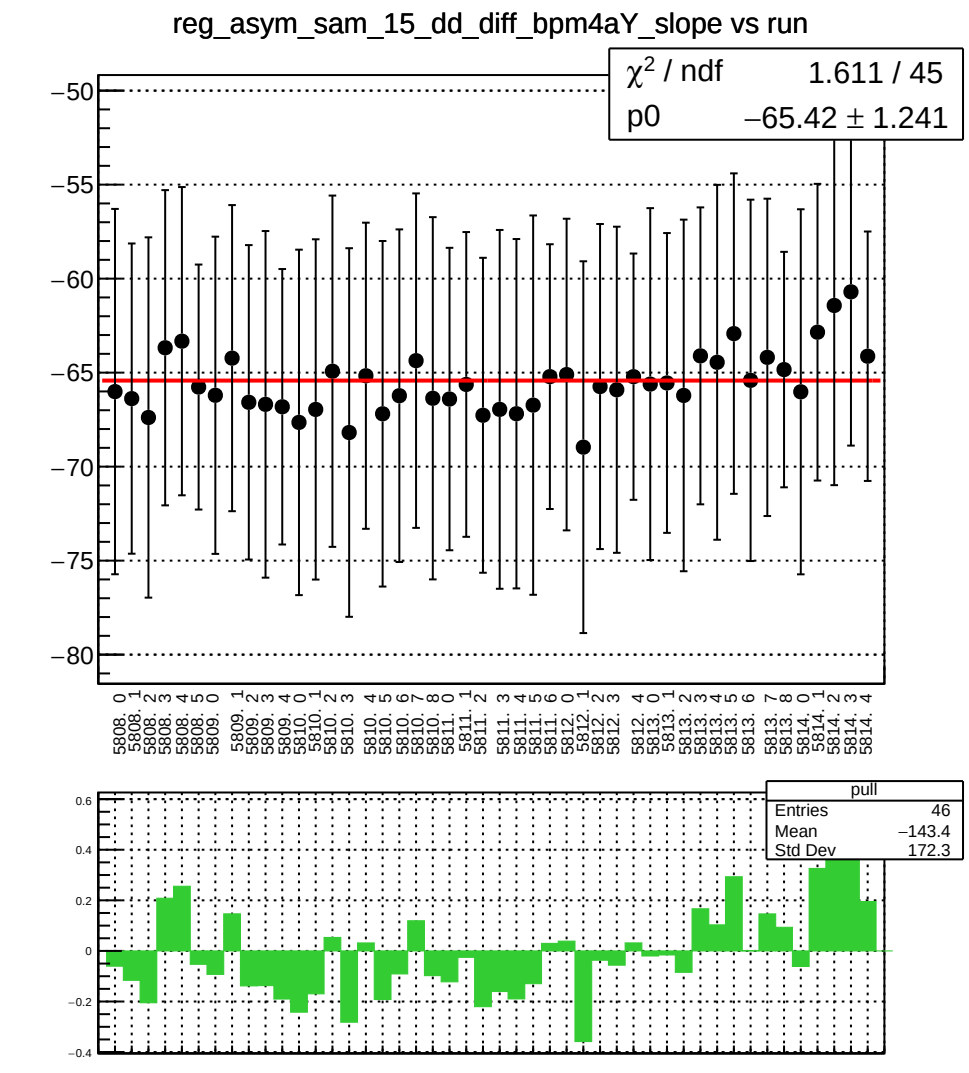

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 165.8 / 45
p0 −7.494 ± 0.2501
pull
Entries 46
Mean −99.47
Std Dev 122.7
pull1D
Entries 46
Mean 0.0989
Std Dev 1.896

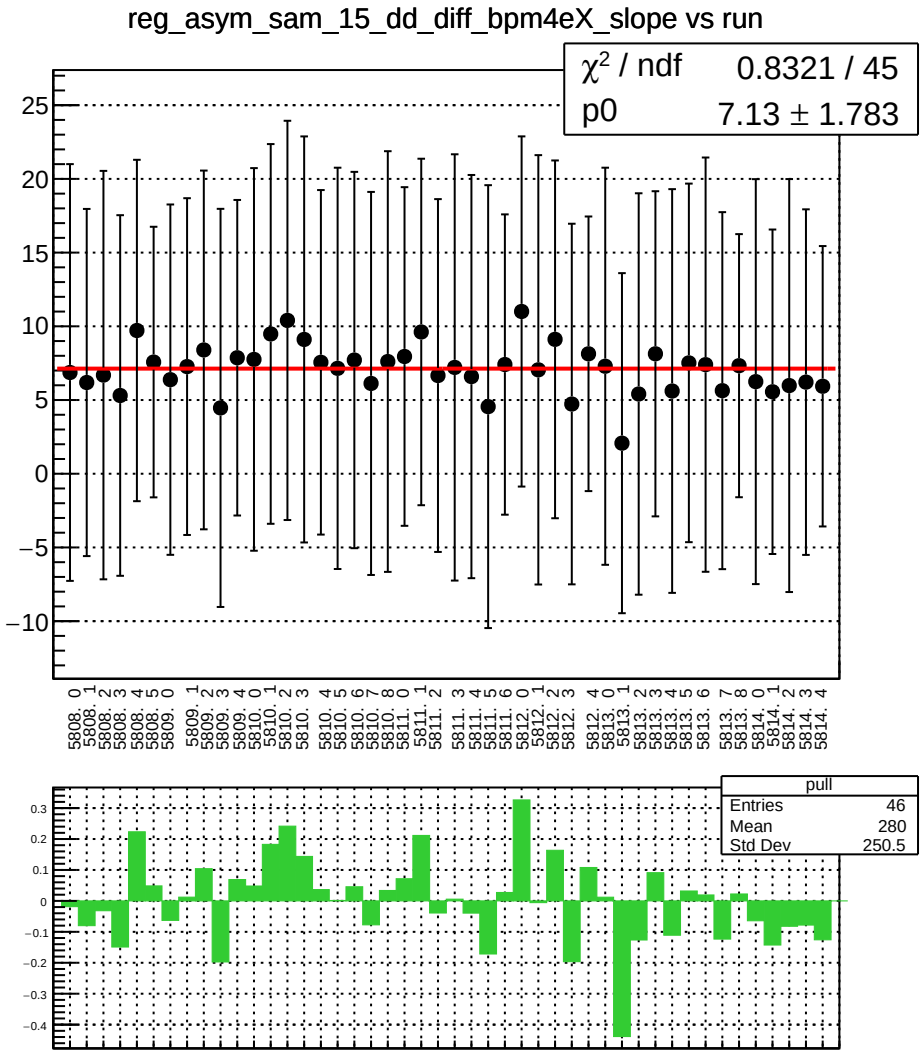

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 27.8 / 45
p0 −0.01488 ± 0.0149
pull
Entries 46
Mean −60.78
Std Dev 79.06

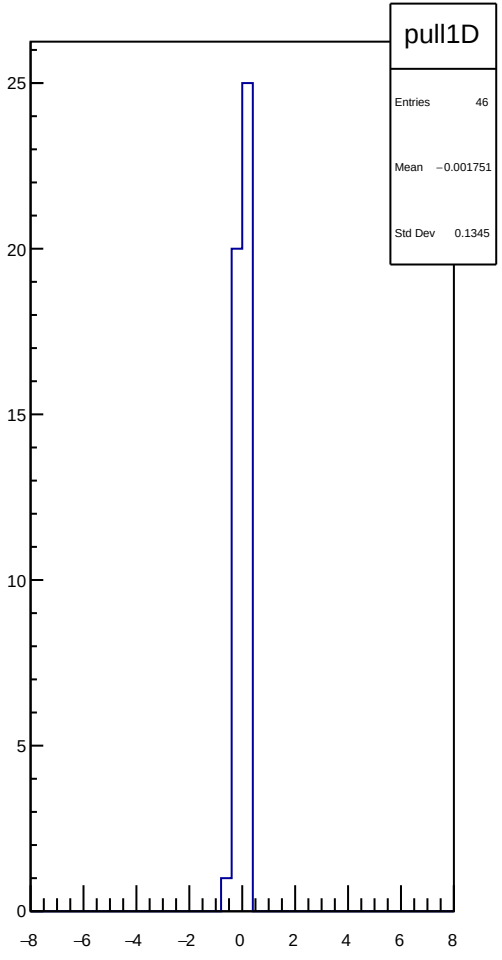

pull1D
Entries 46
Mean 0.04736
Std Dev 0.7759

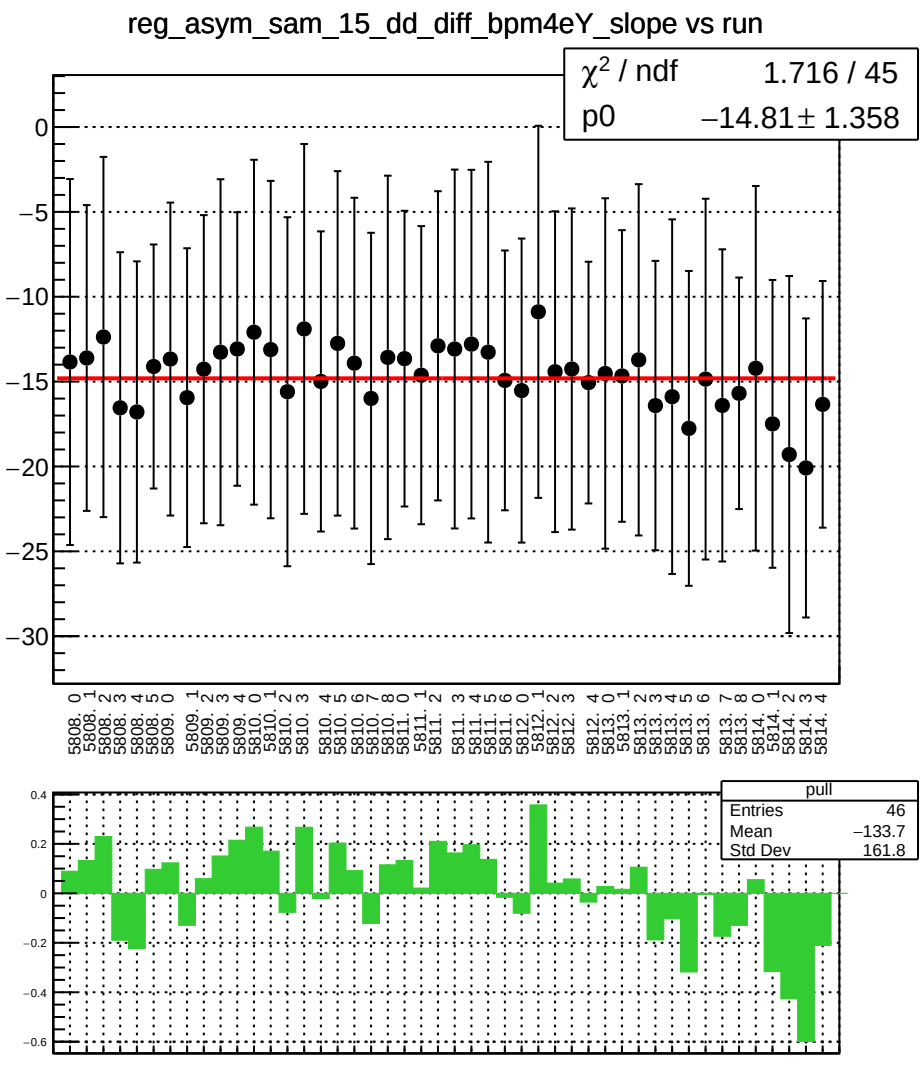

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.7743 / 45
p0 −11.48 ± 1.402
pull
Entries 46
Mean 156.7
Std Dev 123

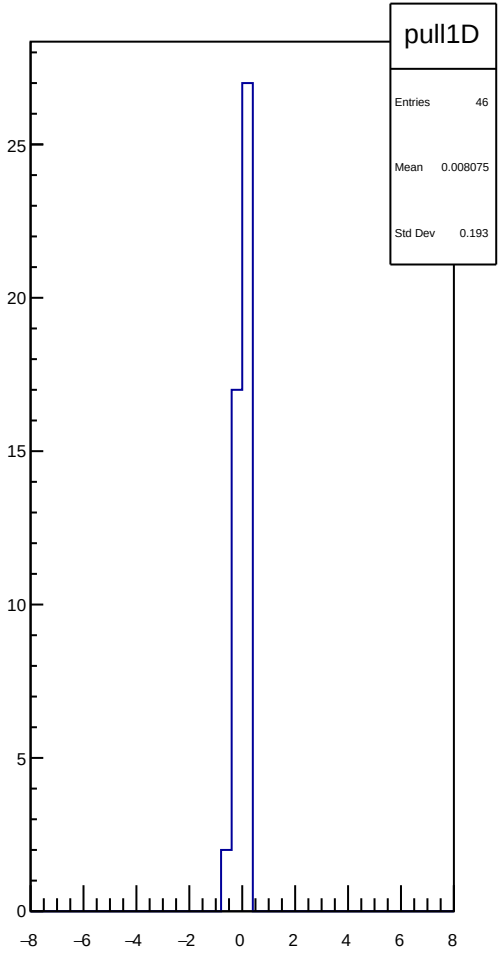

pull1D
Entries 46
Mean 0.0022
Std Dev 0.1297

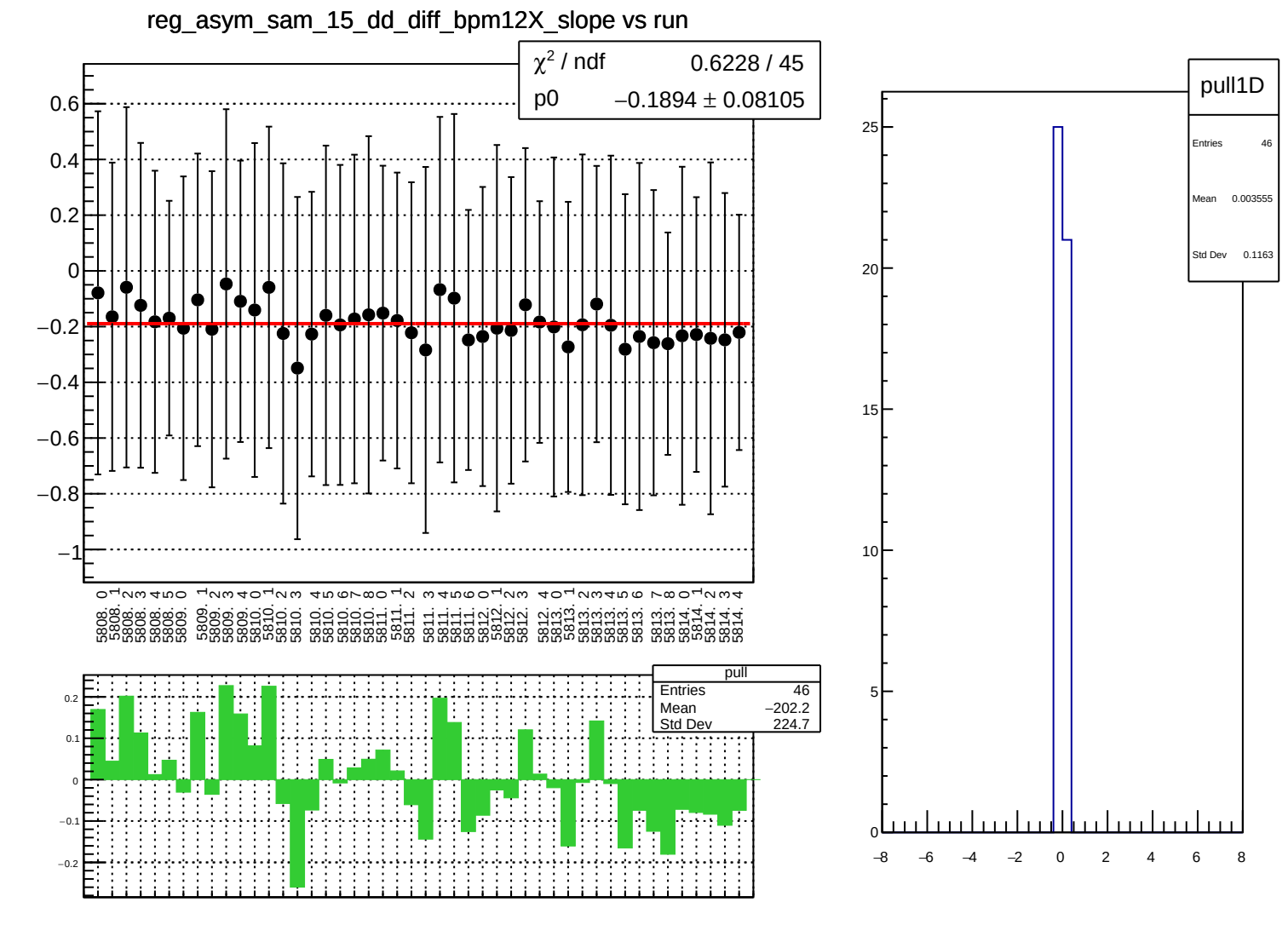

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.611 / 45
p0 −65.42 ± 1.241
−50
−55
−60
−65
−70
−75
−80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −143.4
Std Dev 172.3
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 46
Mean −0.006816
Std Dev 0.187
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

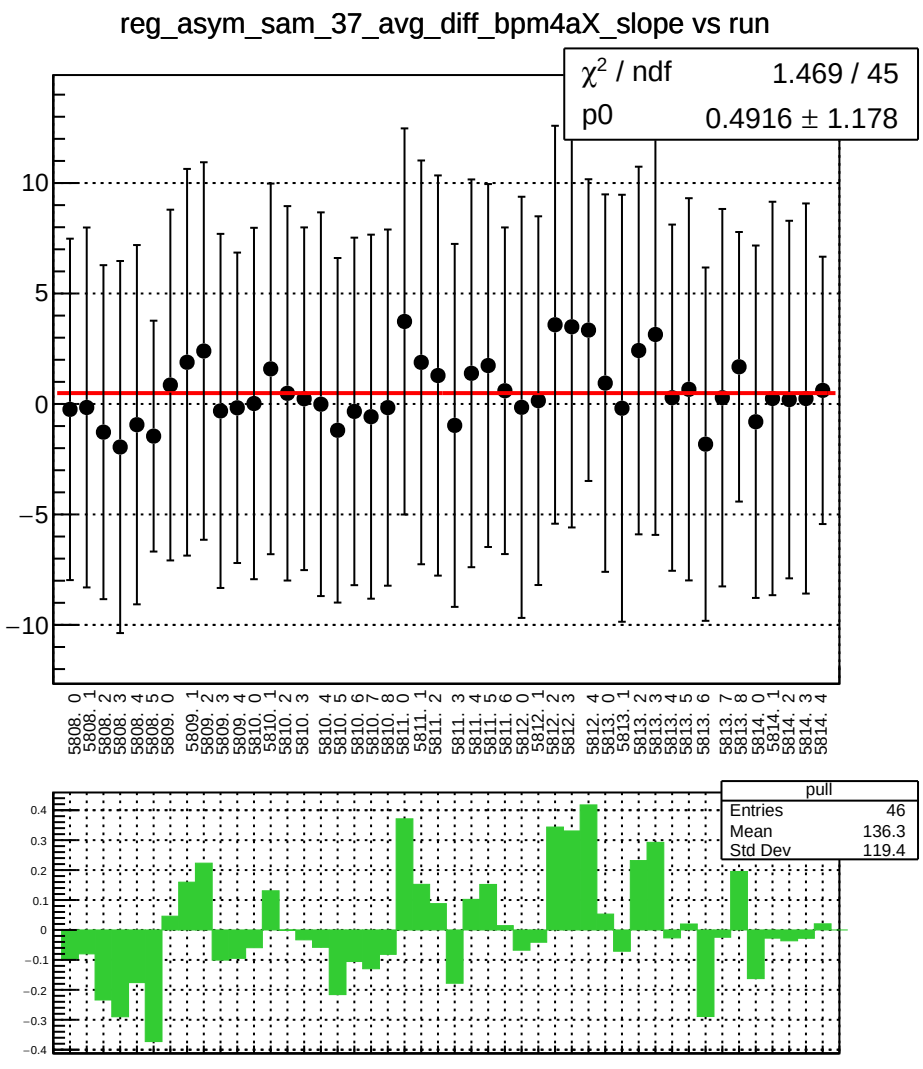

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8321 / 45
p0 7.13 ± 1.783
pull
Entries 46
Mean 280
Std Dev 250.5

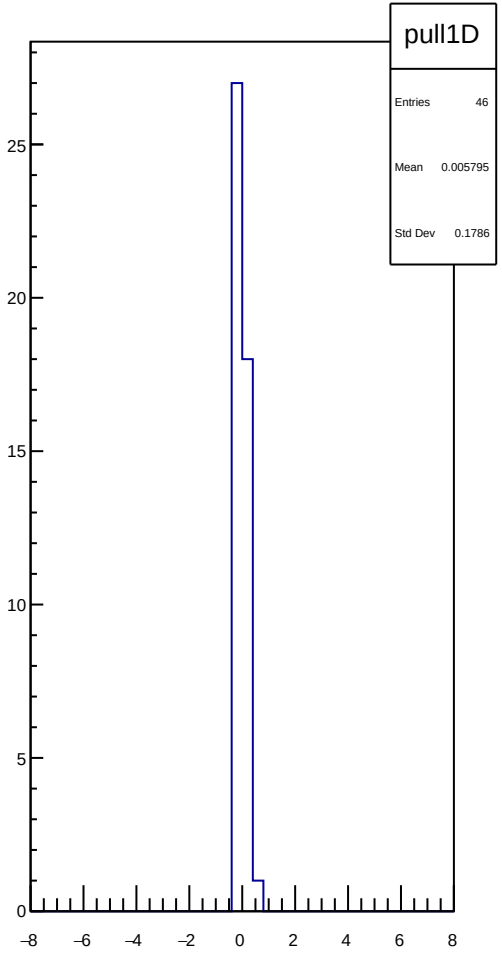

pull1D
Entries 46
Mean −0.001751
Std Dev 0.1345

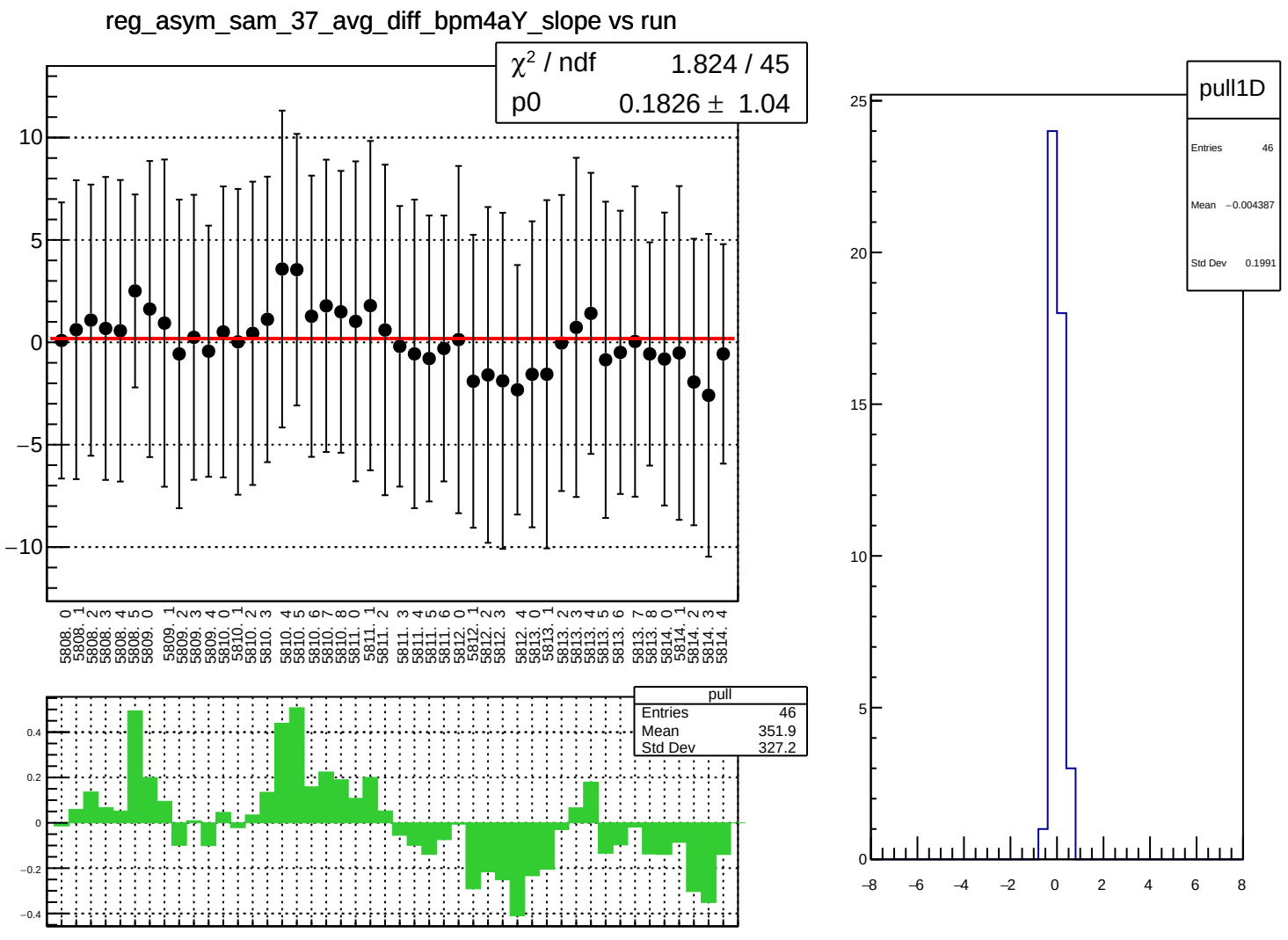

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.716 / 45
p0 −14.81± 1.358
0
−5
−10
−15
−20
−25
−30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −133.7
Std Dev 161.8
0.4
0.2
0
−0.2
−0.4
−0.6

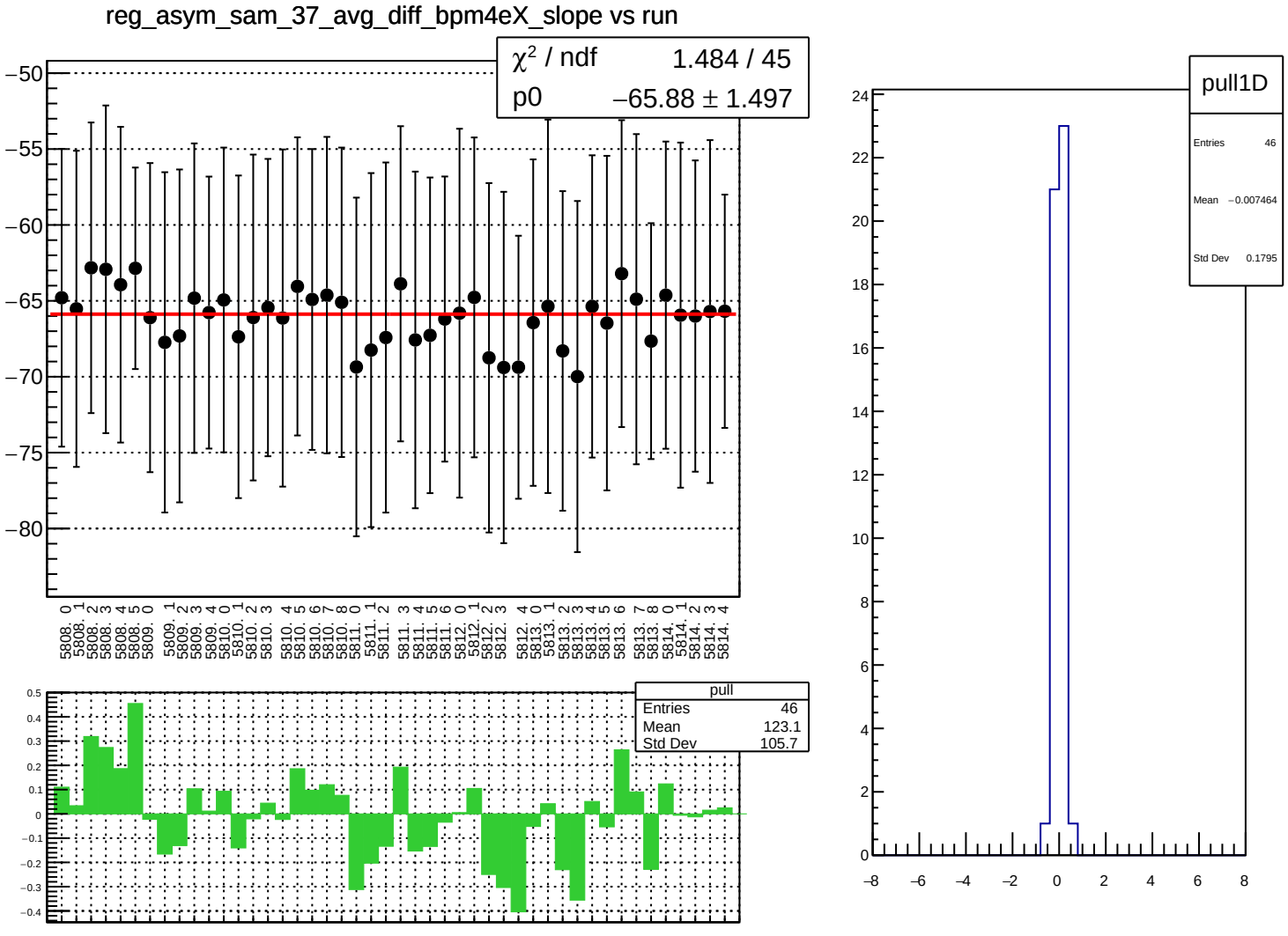

pull1D
Entries 46
Mean 0.008075
Std Dev 0.193
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

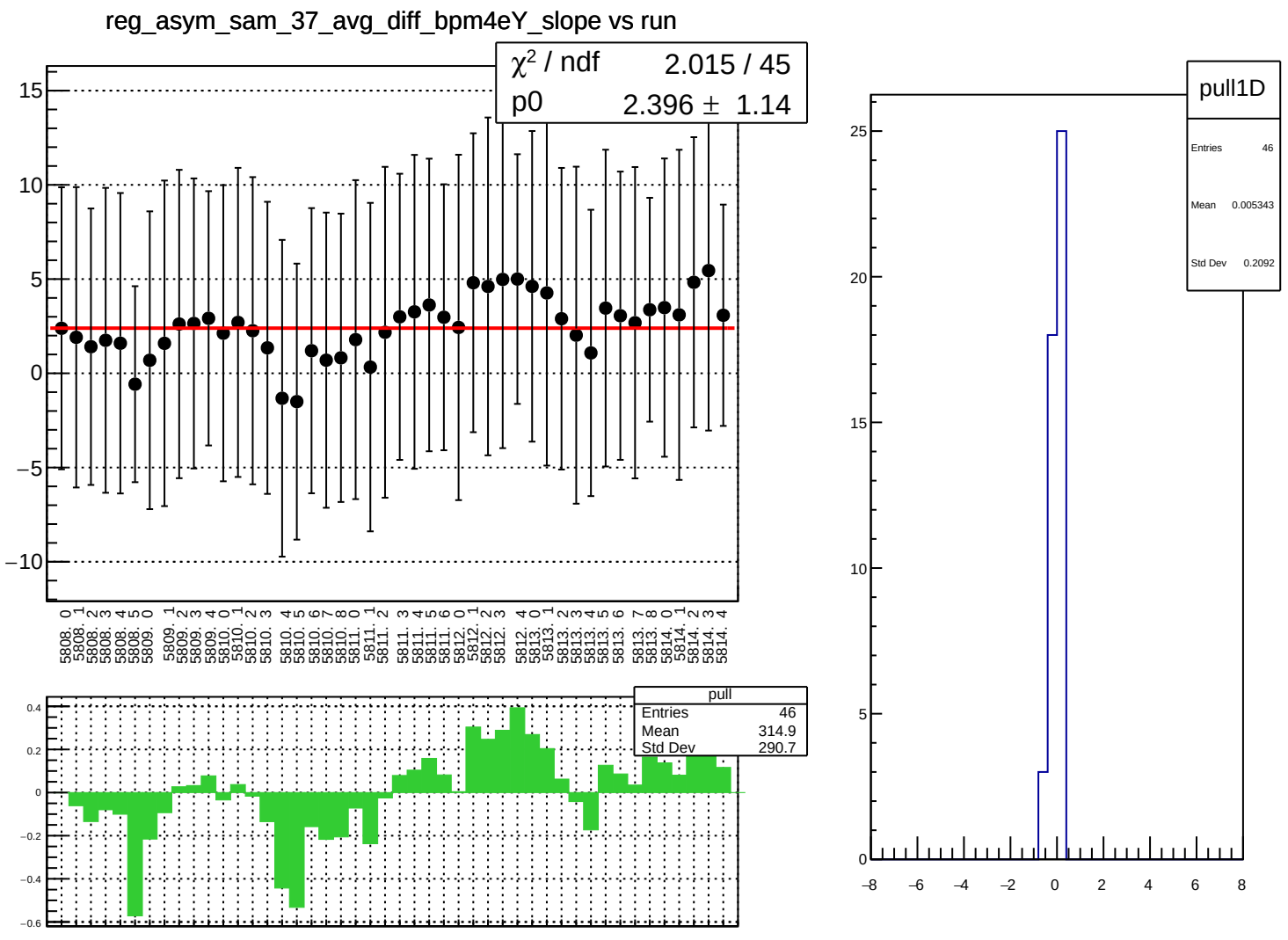

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6228 / 45
p0 −0.1894 ± 0.08105
pull
Entries 46
Mean −202.2
Std Dev 224.7
pull1D
Entries 46
Mean 0.003555
Std Dev 0.1163

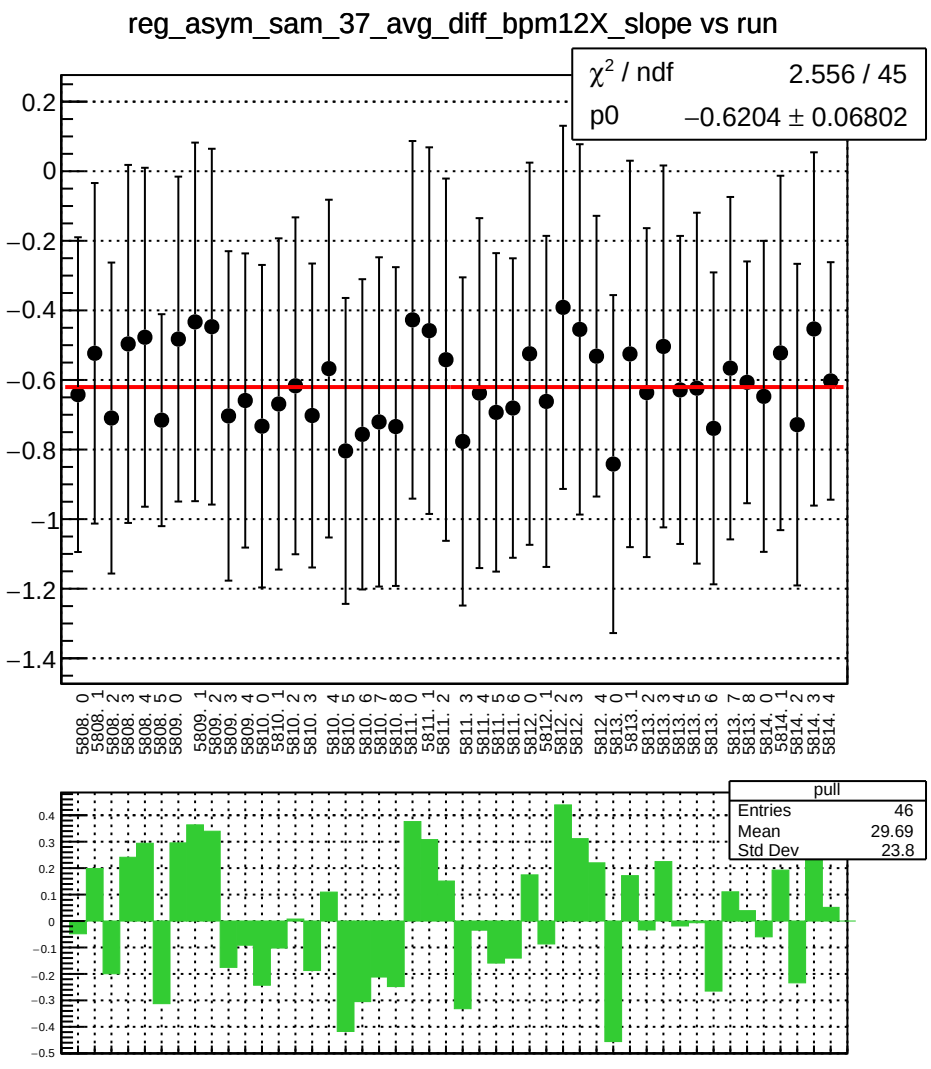

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.469 / 45
p0 0.4916 ± 1.178
pull
Entries 46
Mean 136.3
Std Dev 119.4

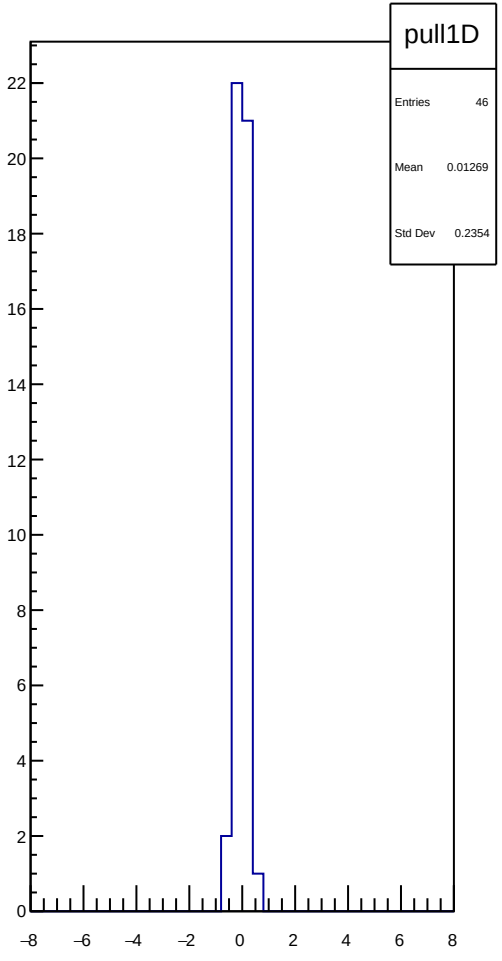

pull1D
Entries 46
Mean 0.005795
Std Dev 0.1786

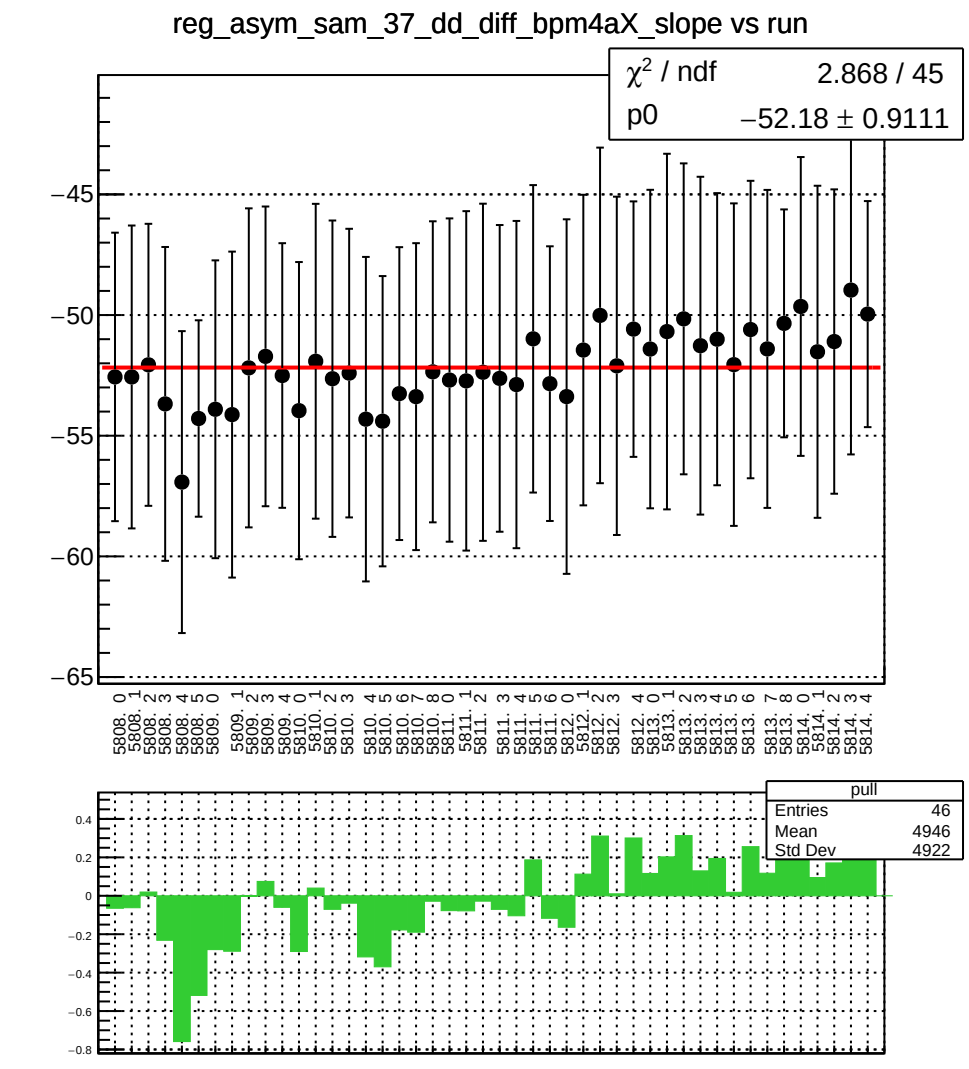

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.824 / 45
p0 0.1826 ± 1.04
pull
Entries 46
Mean 351.9
Std Dev 327.2
pull1D
Entries 46
Mean −0.004387
Std Dev 0.1991

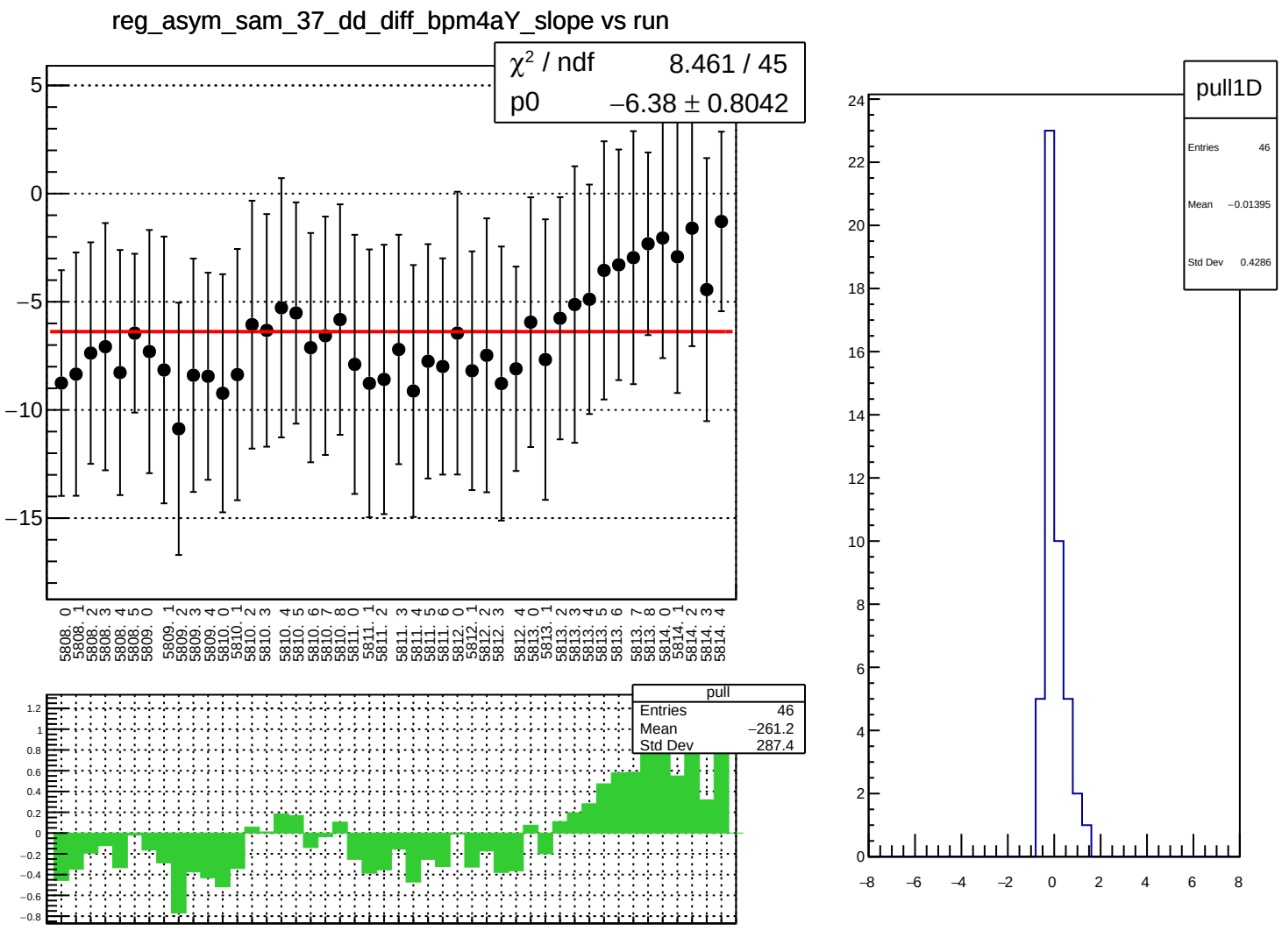

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.484 / 45
p0 −65.88 ± 1.497
pull
Entries 46
Mean 123.1
Std Dev 105.7
pull1D
Entries 46
Mean −0.007464
Std Dev 0.1795

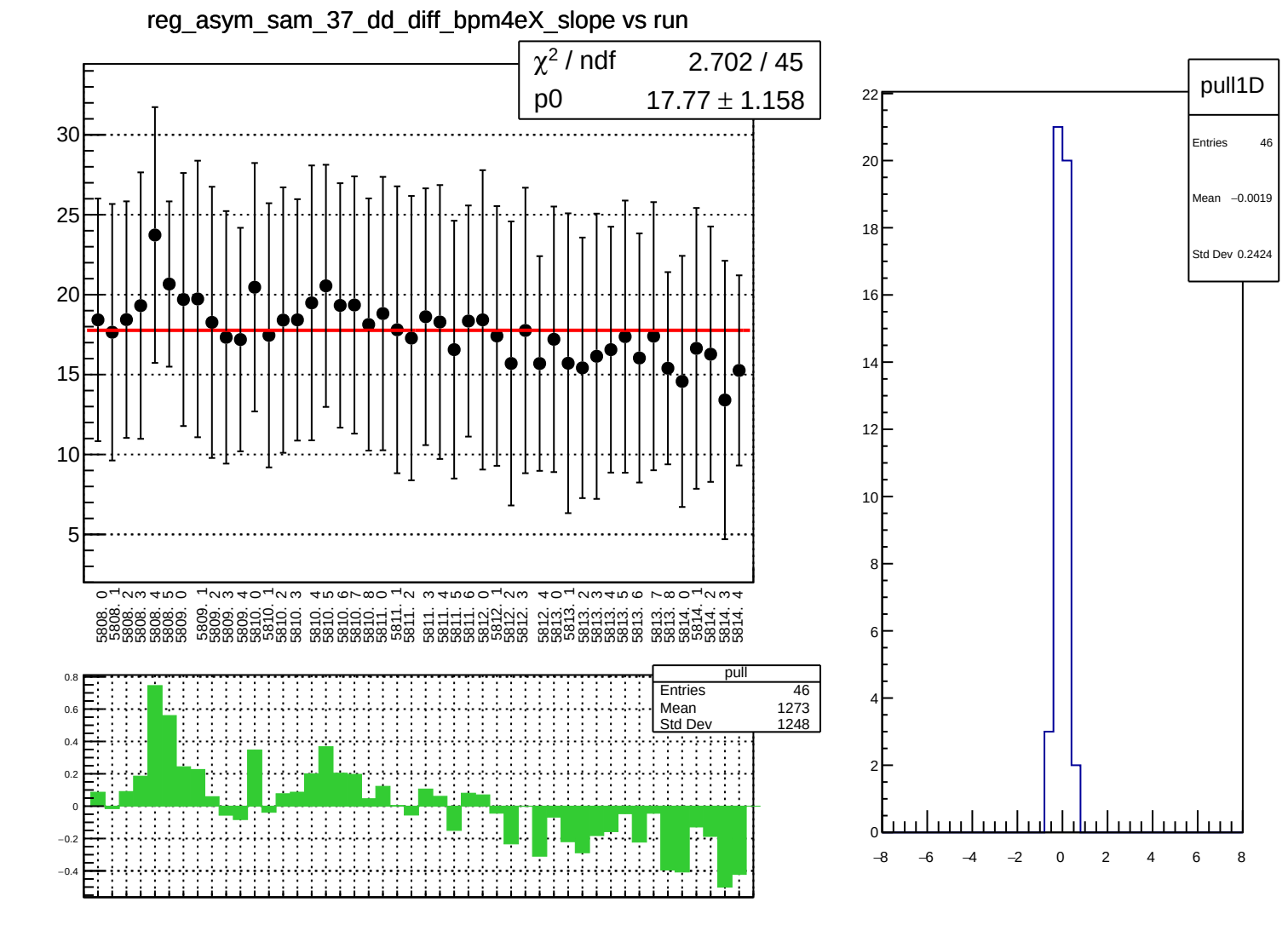

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.015 / 45
p0 2.396 ± 1.14
pull
Entries 46
Mean 314.9
Std Dev 290.7
pull1D
Entries 46
Mean 0.005343
Std Dev 0.2092

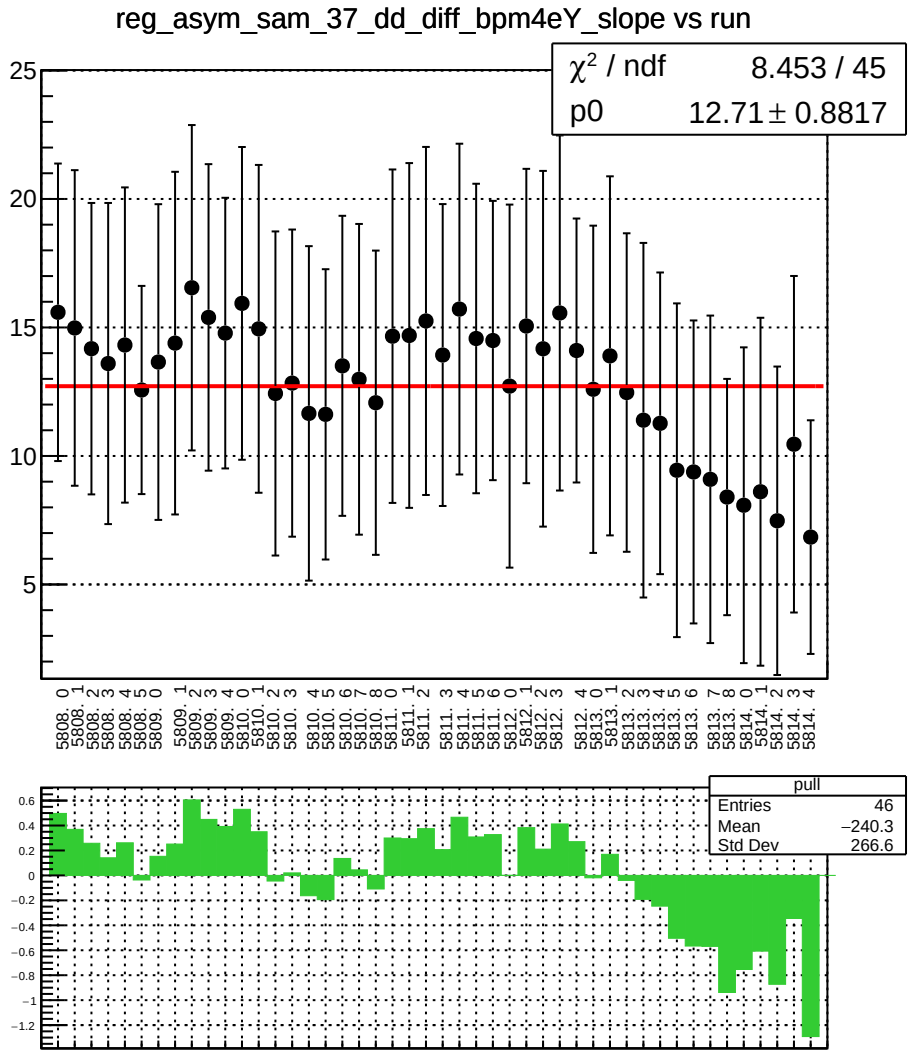

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.556 / 45
p0 −0.6204 ± 0.06802
pull
Entries 46
Mean 29.69
Std Dev 23.8

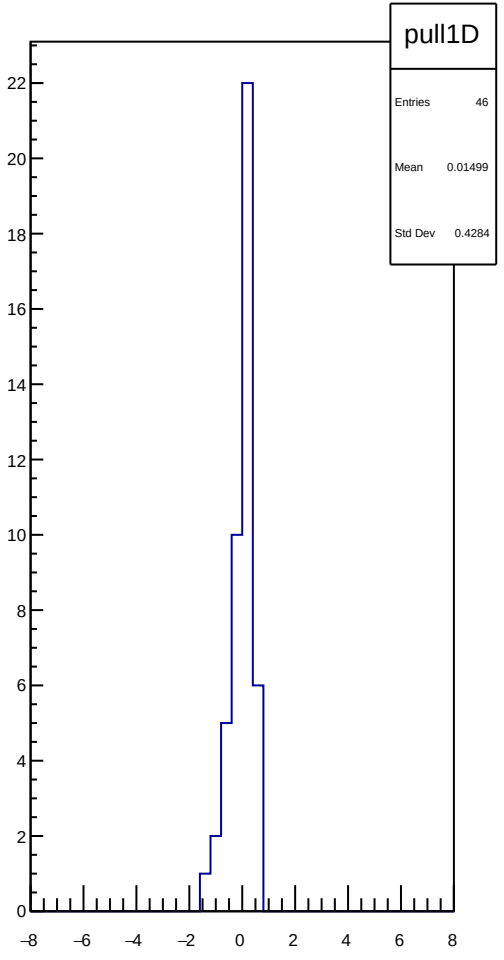

pull1D
Entries 46
Mean 0.01269
Std Dev 0.2354

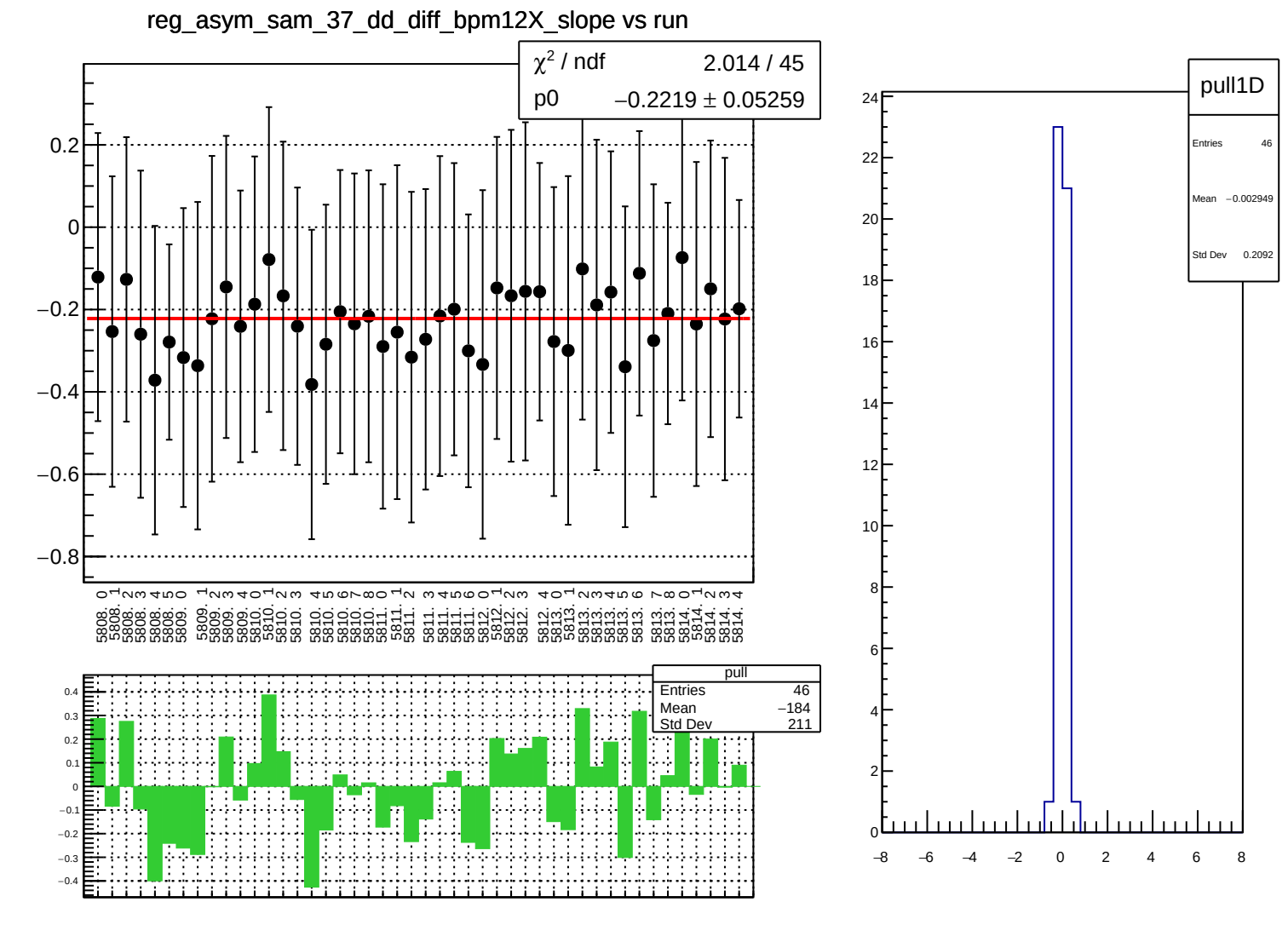

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.868 / 45
p0 −52.18 ± 0.9111
−45
−50
−55
−60
−65
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 4946
Std Dev 4922
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.0004944
Std Dev 0.2497
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

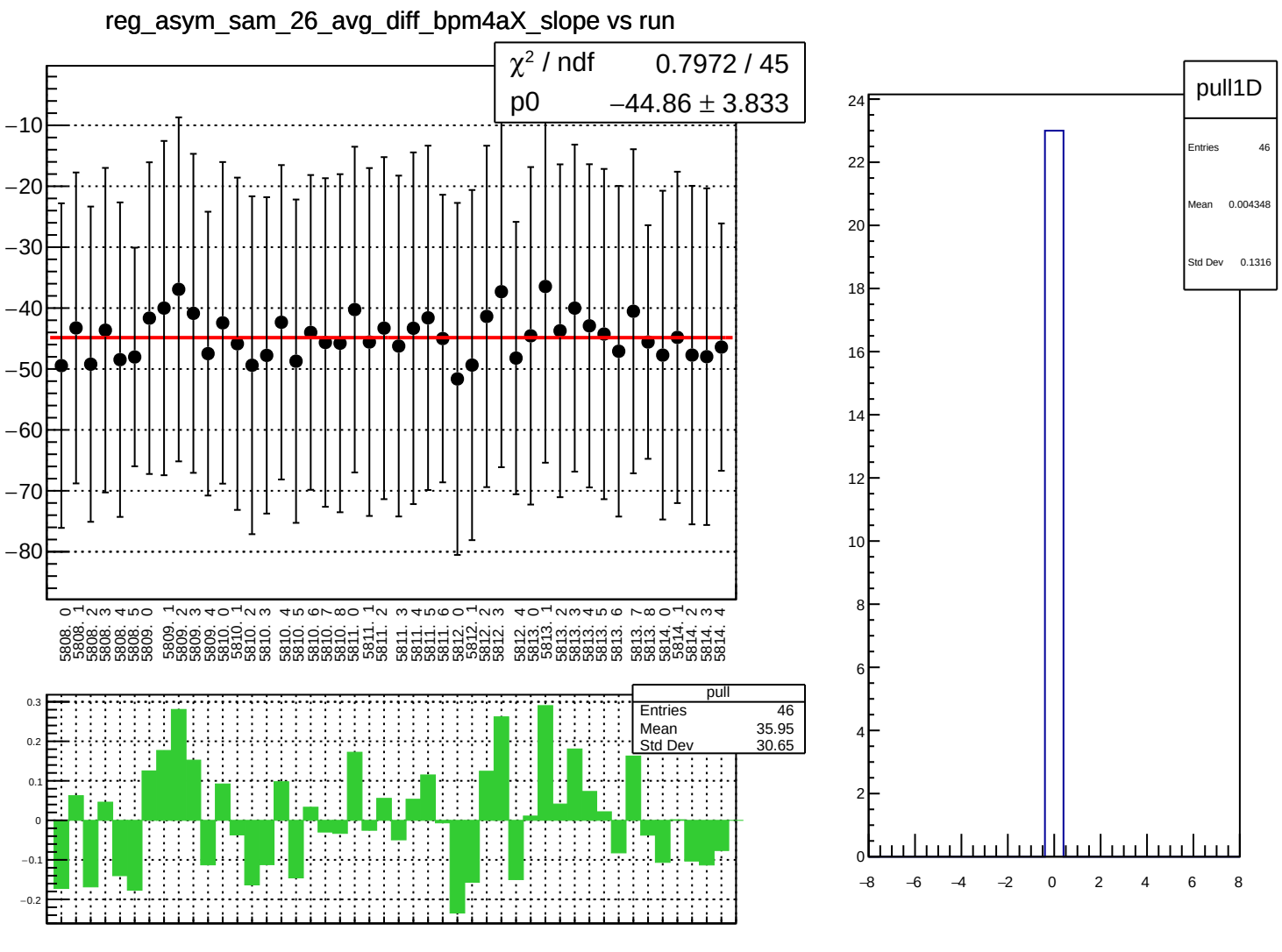

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.461 / 45
p0 −6.38 ± 0.8042
pull
Entries 46
Mean −261.2
Std Dev 287.4
pull1D
Entries 46
Mean −0.01395
Std Dev 0.4286

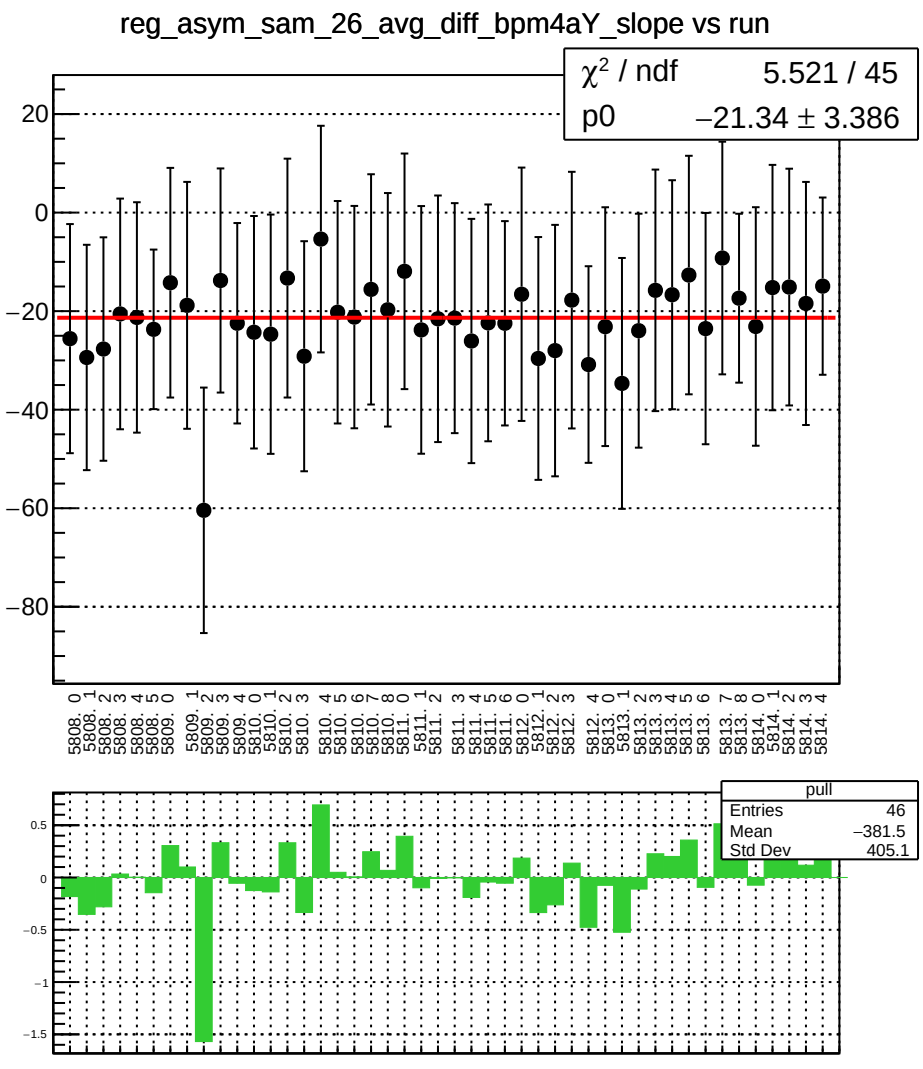

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.702 / 45
p0 17.77 ± 1.158
pull
Entries 46
Mean 1273
Std Dev 1248
pull1D
Entries 46
Mean −0.0019
Std Dev 0.2424

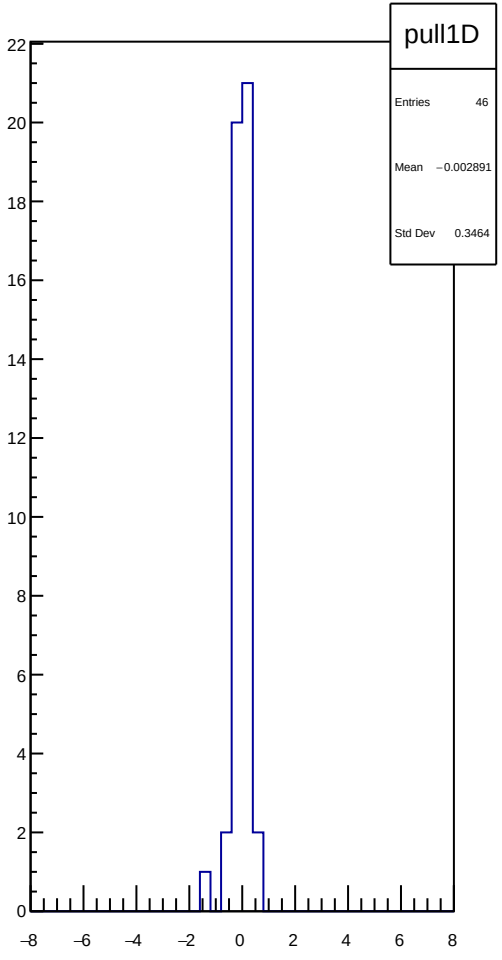

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.453 / 45
p0 12.71 ± 0.8817
pull
Entries 46
Mean −240.3
Std Dev 266.6

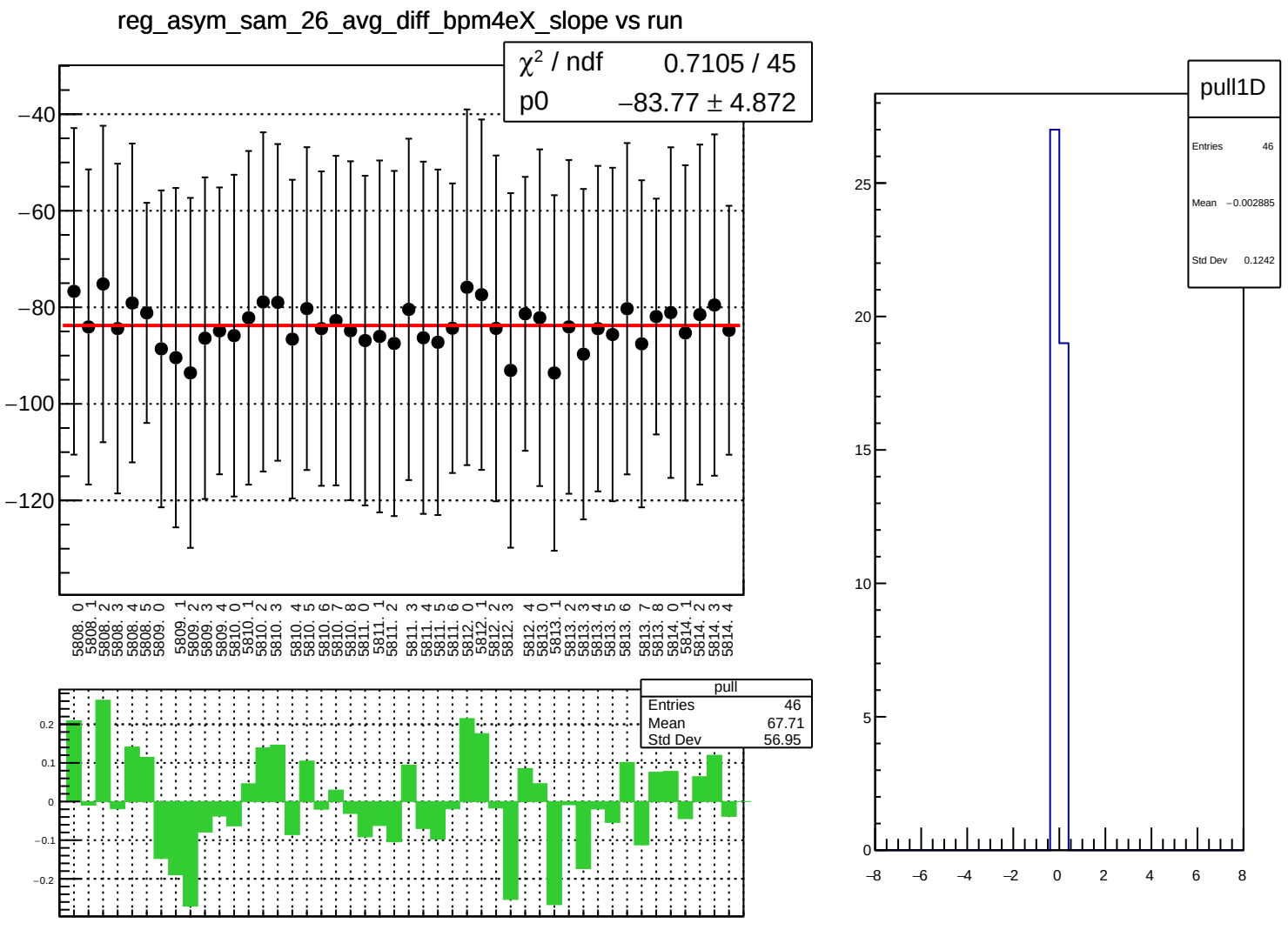

pull1D
Entries 46
Mean 0.01499
Std Dev 0.4284

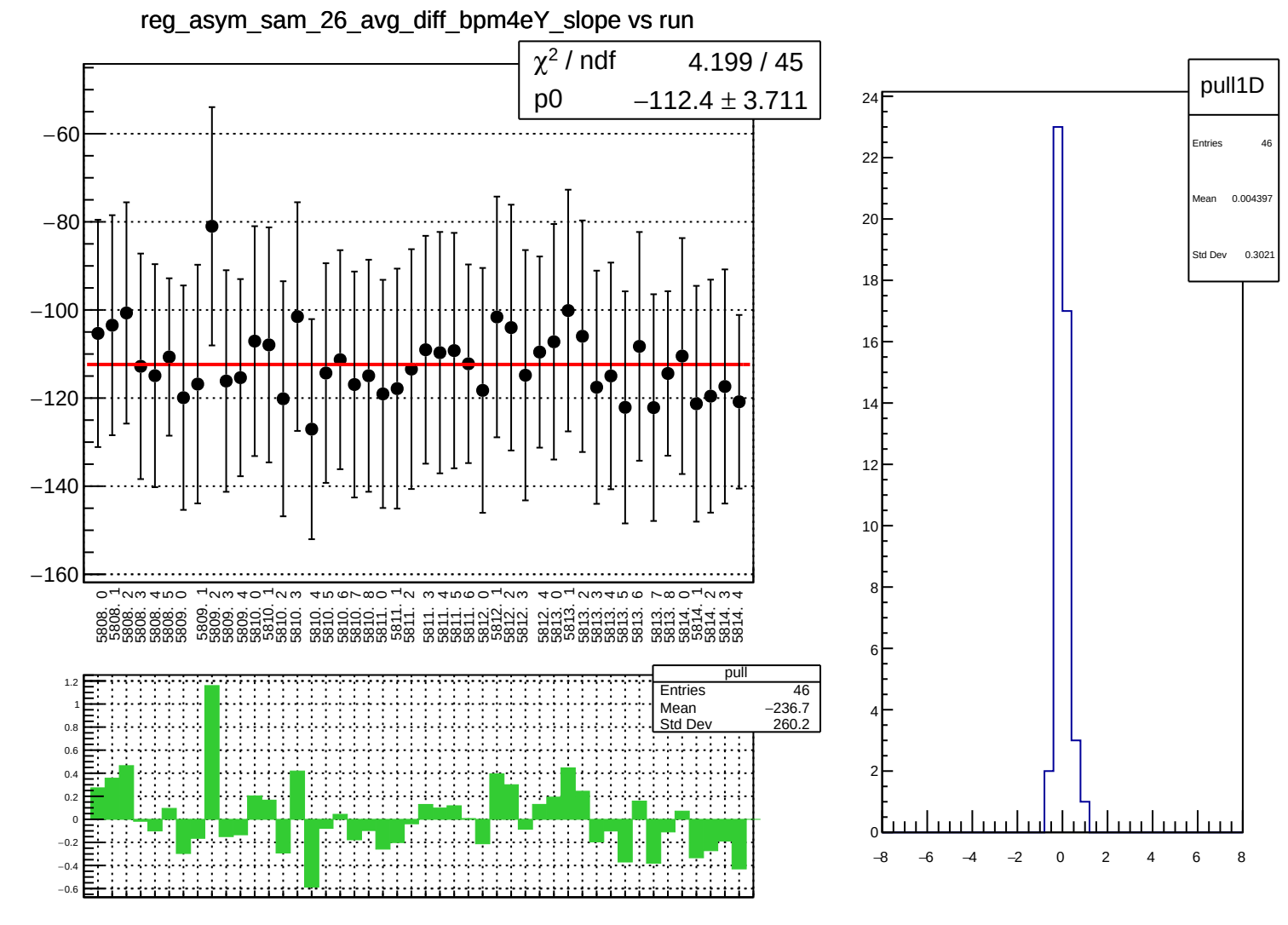

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.014 / 45
p0 −0.2219 ± 0.05259
0.2
0
−0.2
−0.4
−0.6
−0.8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −184
Std Dev 211
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 46
Mean −0.002949
Std Dev 0.2092
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

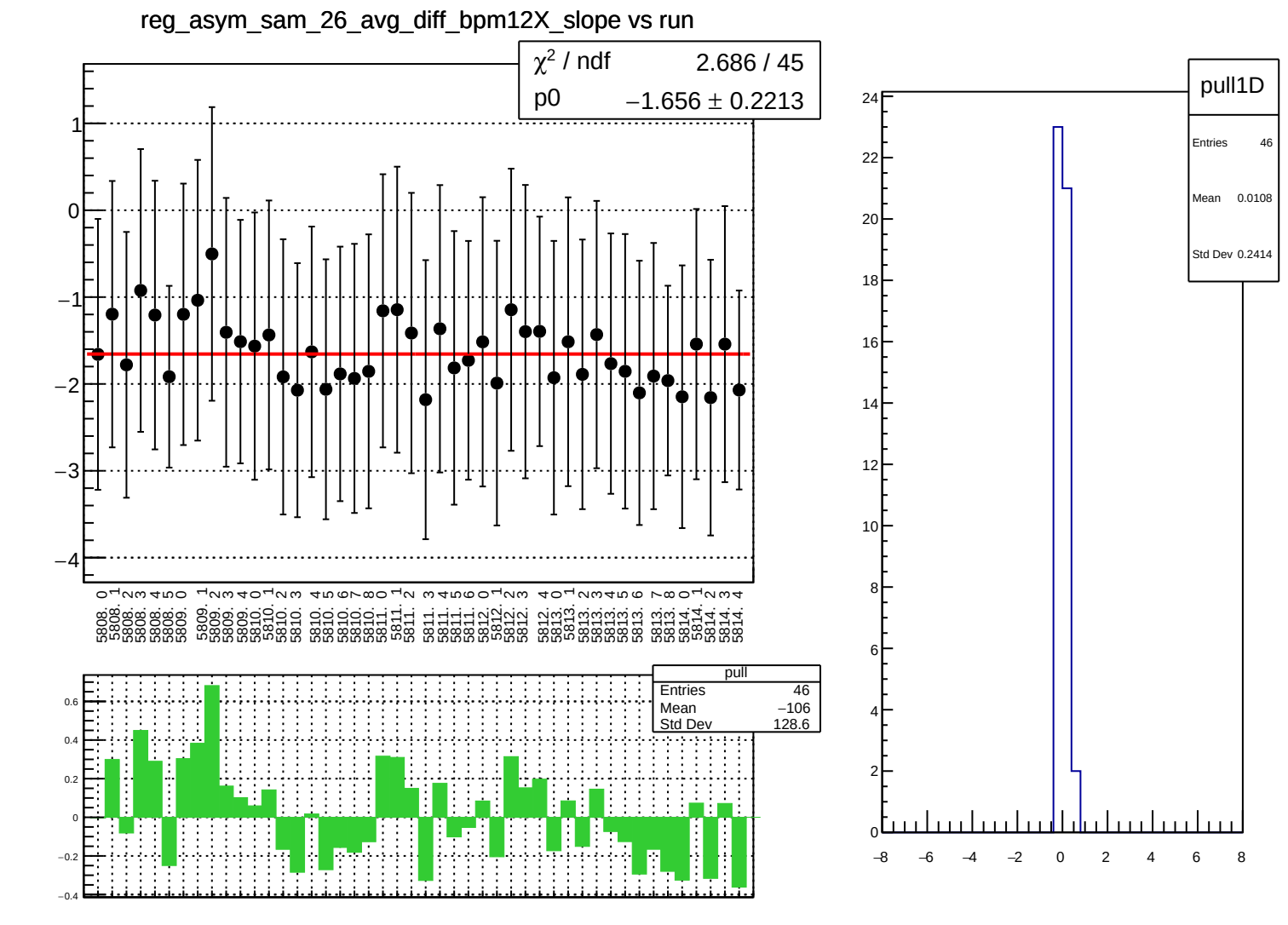

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.7972 / 45
p0 −44.86 ± 3.833
pull
Entries 46
Mean 35.95
Std Dev 30.65
pull1D
Entries 46
Mean 0.004348
Std Dev 0.1316

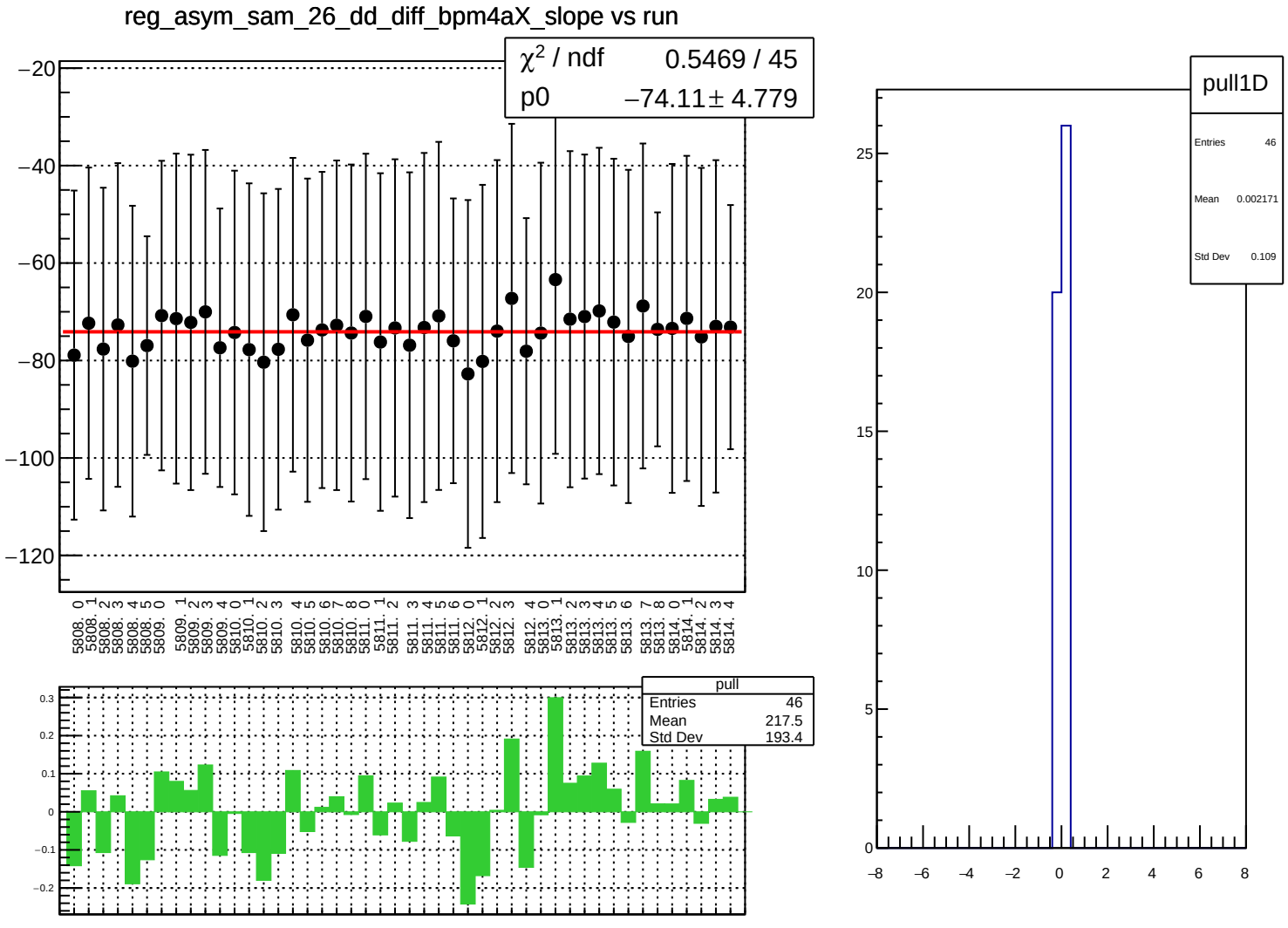

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.521 / 45
p0 −21.34 ± 3.386
pull
Entries 46
Mean −381.5
Std Dev 405.1

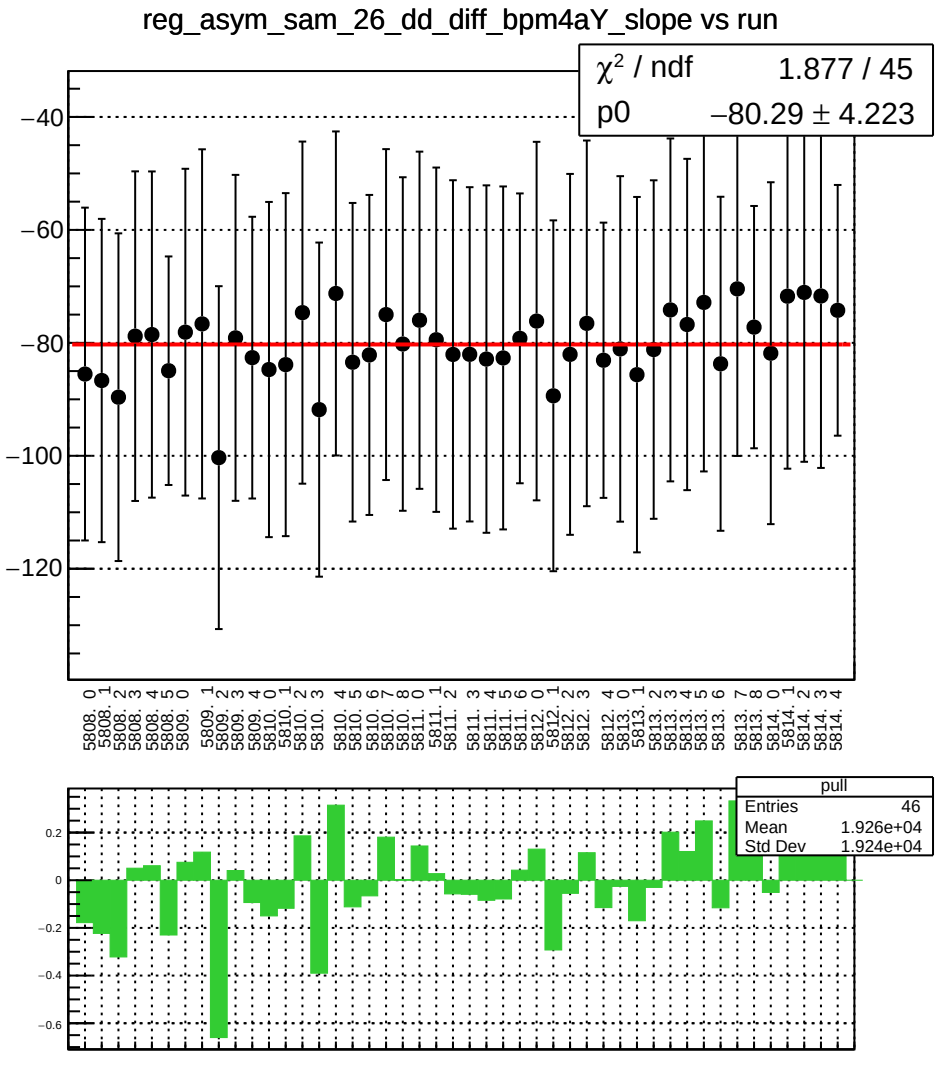

pull1D
Entries 46
Mean −0.002891
Std Dev 0.3464

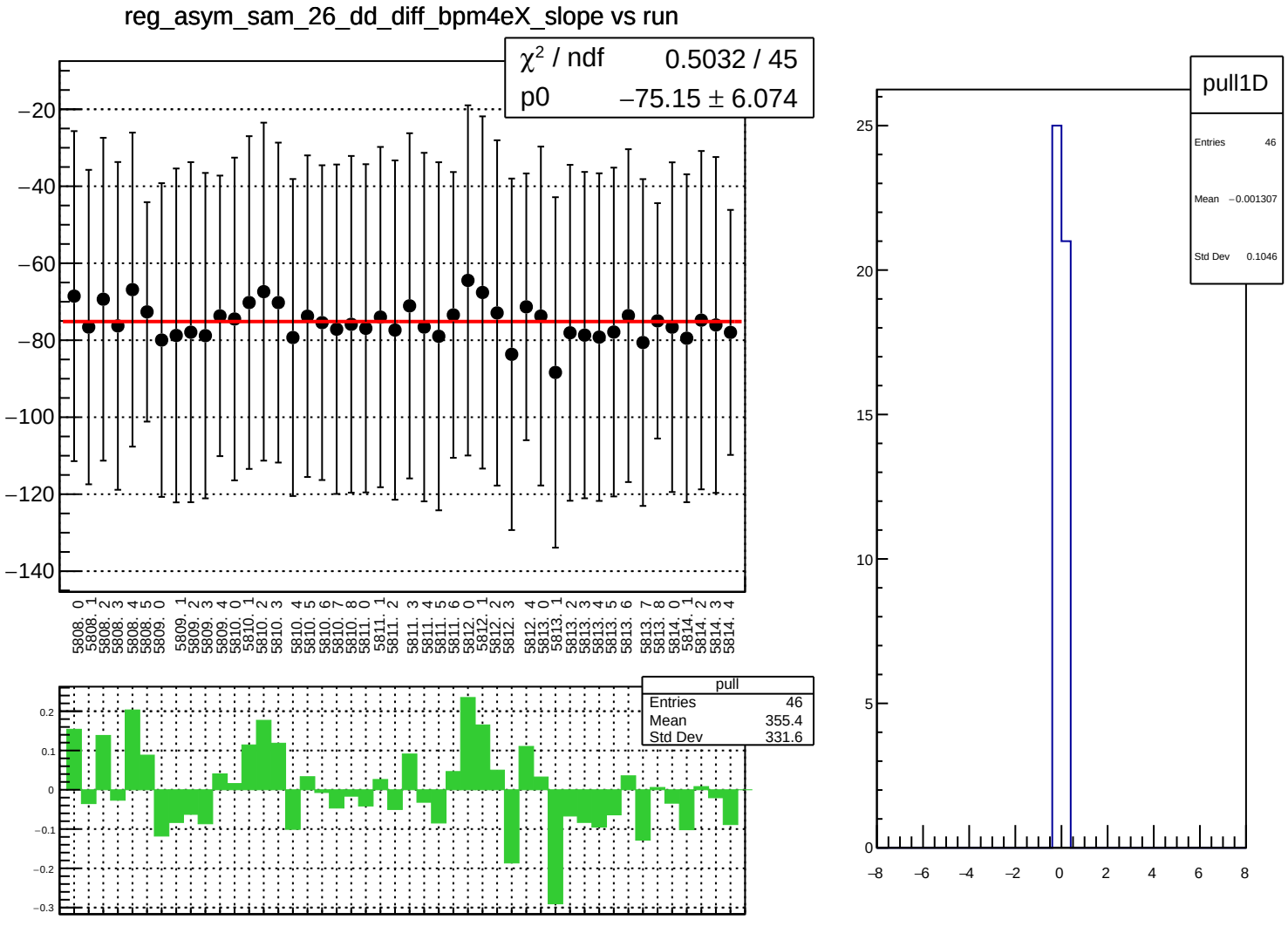

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.7105 / 45
p0 −83.77 ± 4.872
−40
−60
−80
−100
−120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 67.71
Std Dev 56.95
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 46
Mean −0.002885
Std Dev 0.1242
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

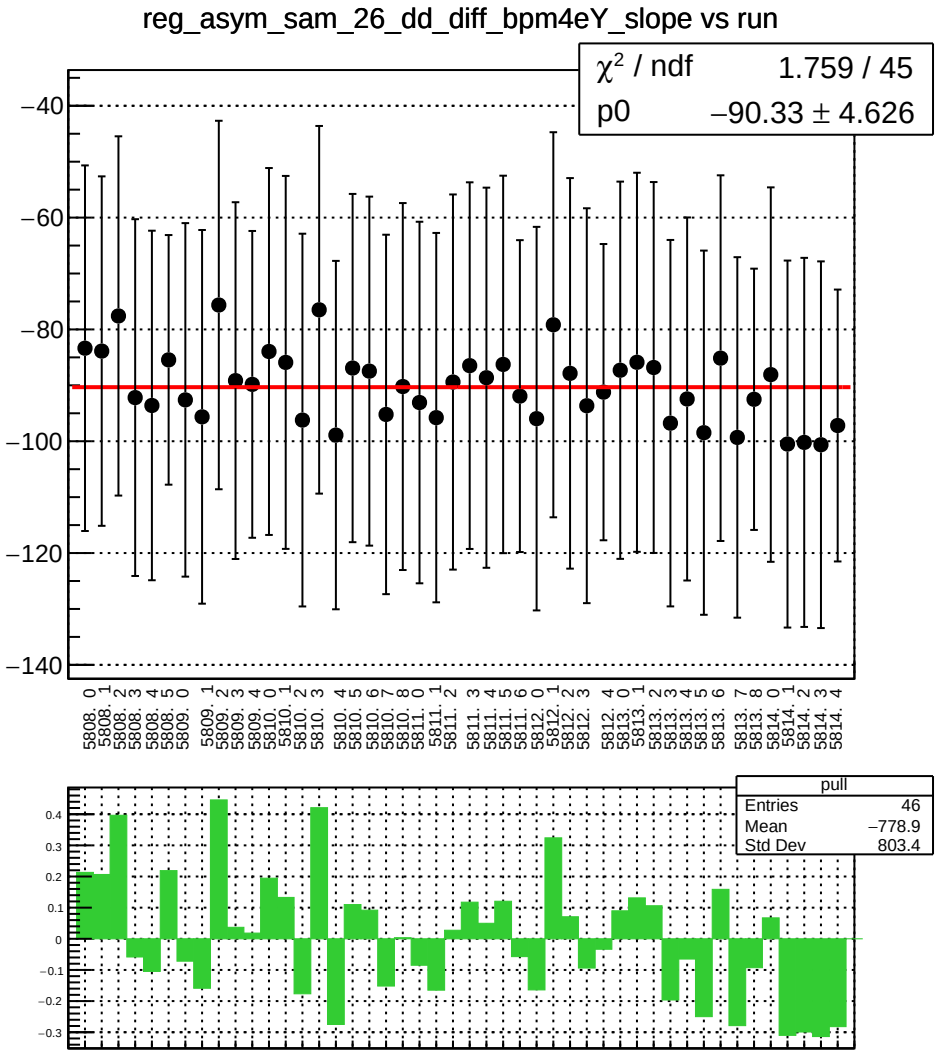

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.199 / 45
p0 −112.4 ± 3.711
pull
Entries 46
Mean −236.7
Std Dev 260.2
pull1D
Entries 46
Mean 0.004397
Std Dev 0.3021

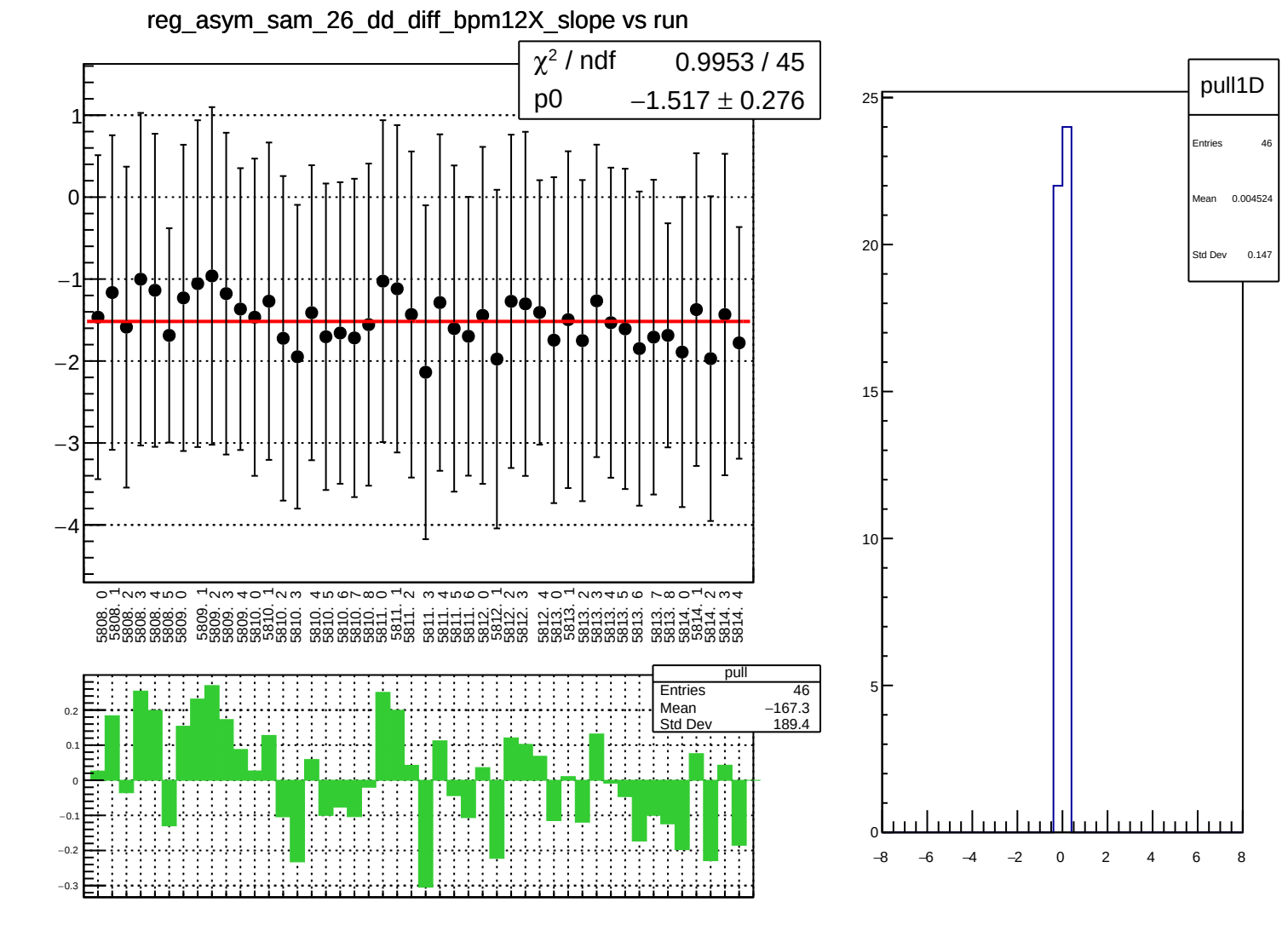

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 2.686 / 45
p0 −1.656 ± 0.2213
pull
Entries 46
Mean −106
Std Dev 128.6
pull1D
Entries 46
Mean 0.0108
Std Dev 0.2414

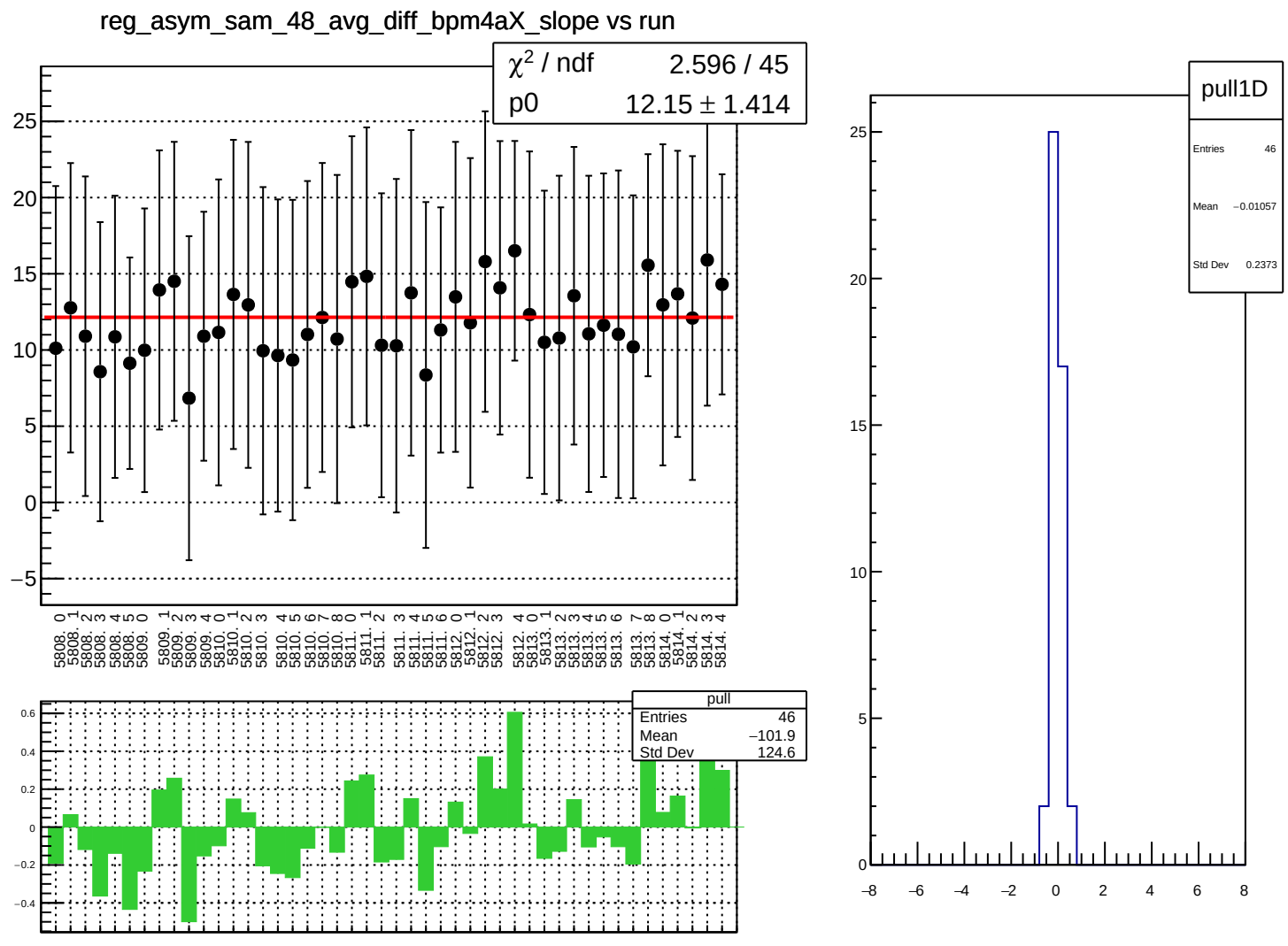

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.5469 / 45
p0 −74.11 ± 4.779
pull
Entries 46
Mean 217.5
Std Dev 193.4
pull1D
Entries 46
Mean 0.002171
Std Dev 0.109

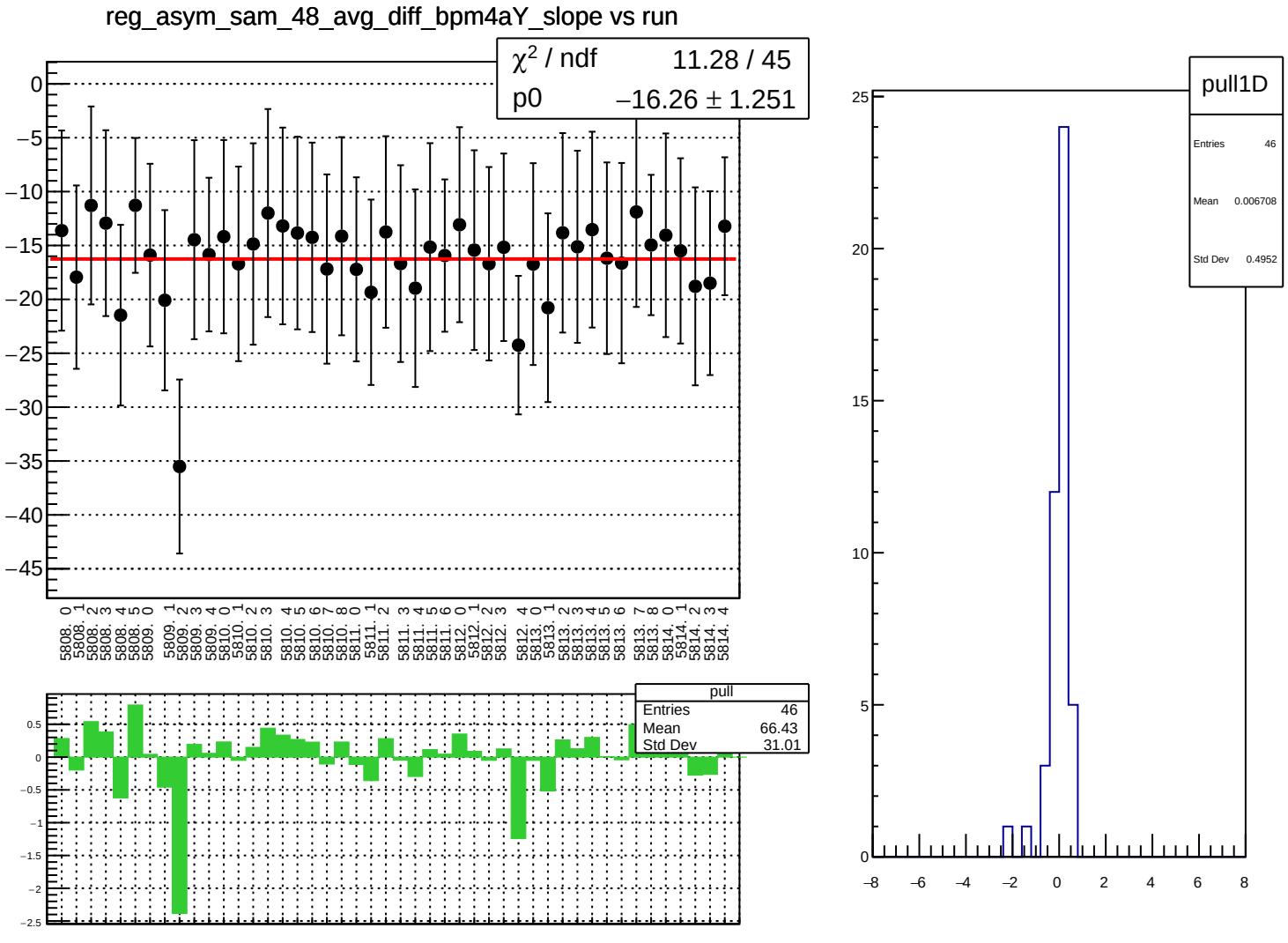

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.877 / 45
p0 −80.29 ± 4.223
−40
−60
−80
−100
−120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1.926e+04
Std Dev 1.924e+04
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 46
Mean 6.707e−05
Std Dev 0.202
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

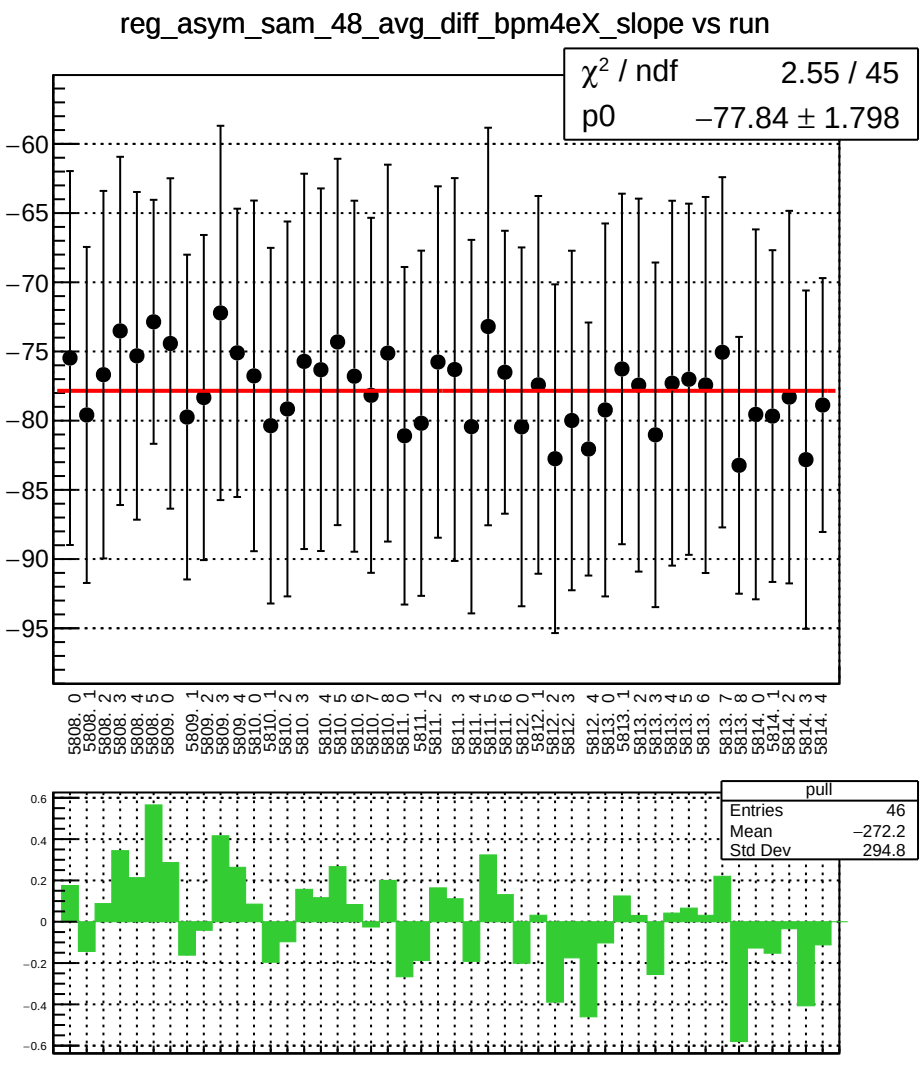

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5032 / 45
p0 −75.15 ± 6.074
−20
−40
−60
−80
−100
−120
−140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 355.4
Std Dev 331.6
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 46
Mean −0.001307
Std Dev 0.1046
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

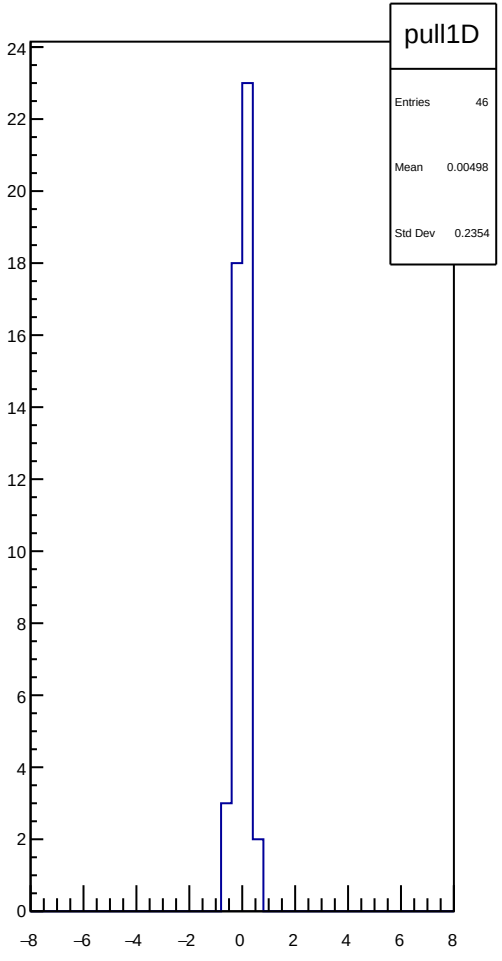

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.759 / 45
p0 −90.33 ± 4.626
−40
−60
−80
−100
−120
−140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −778.9
Std Dev 803.4
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 46
Mean 0.001512
Std Dev 0.1956
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

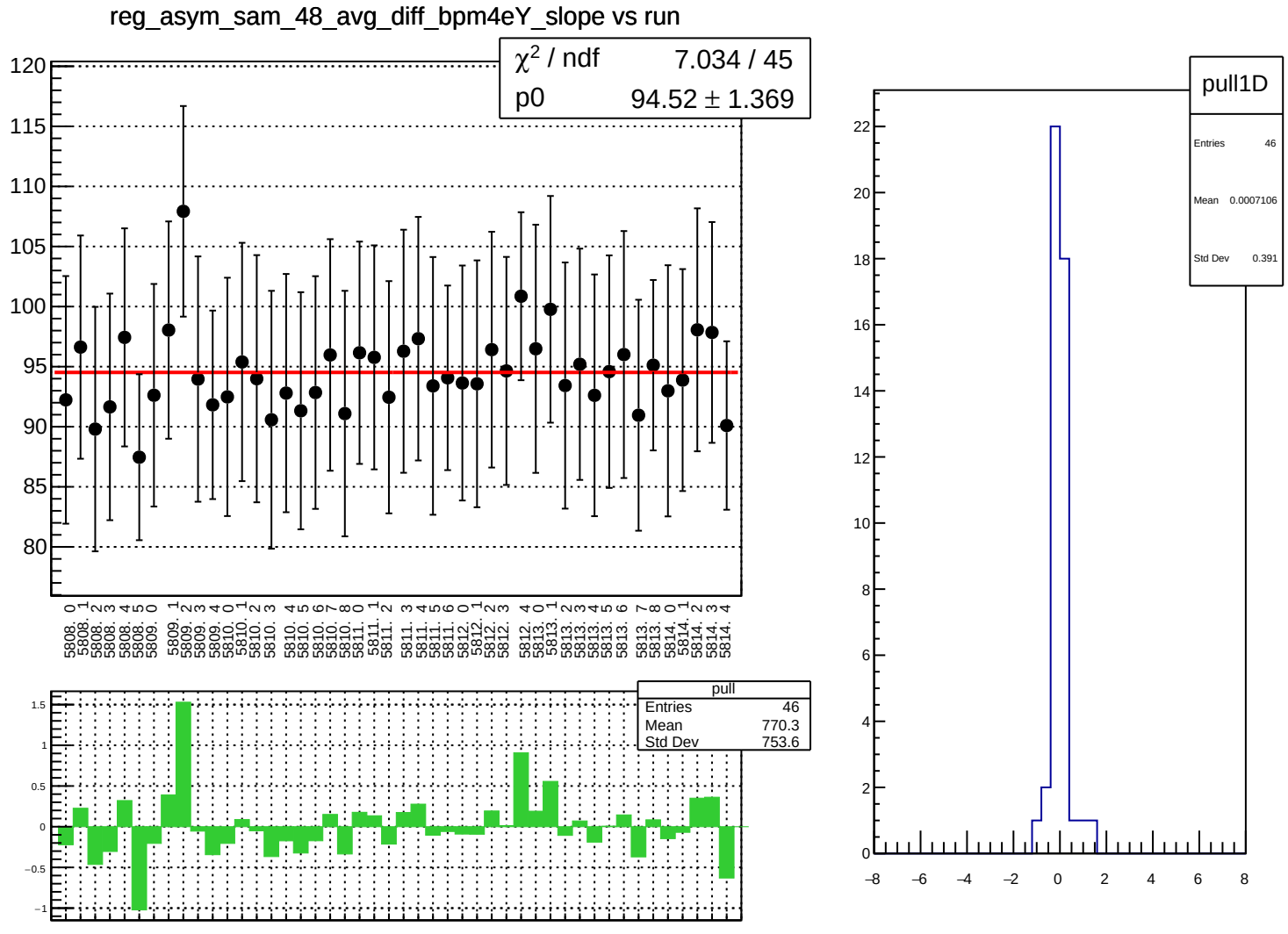

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9953 / 45
p0 −1.517 ± 0.276
pull
Entries 46
Mean −167.3
Std Dev 189.4
pull1D
Entries 46
Mean 0.004524
Std Dev 0.147

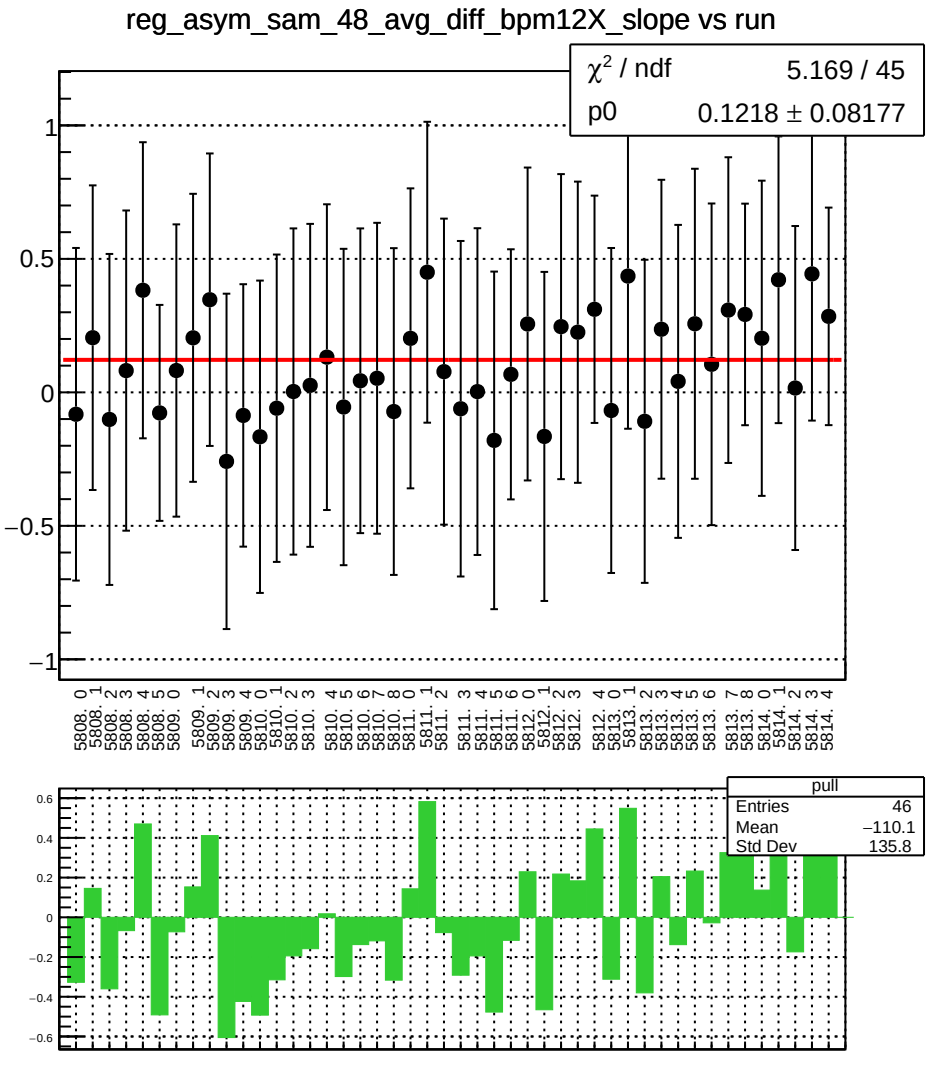

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.596 / 45
p0 12.15 ± 1.414
pull
Entries 46
Mean −101.9
Std Dev 124.6
pull1D
Entries 46
Mean −0.01057
Std Dev 0.2373

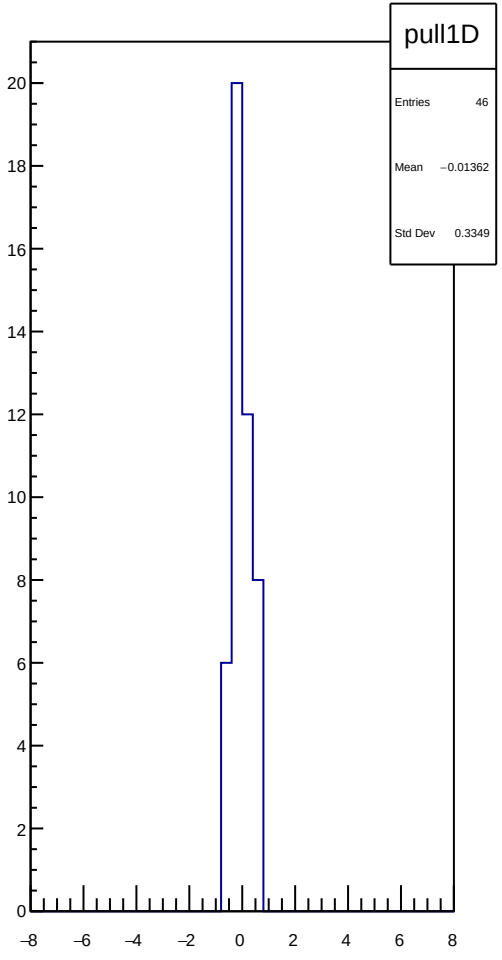

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.28 / 45
p0 −16.26 ± 1.251
pull
Entries 46
Mean 66.43
Std Dev 31.01
pull1D
Entries 46
Mean 0.006708
Std Dev 0.4952

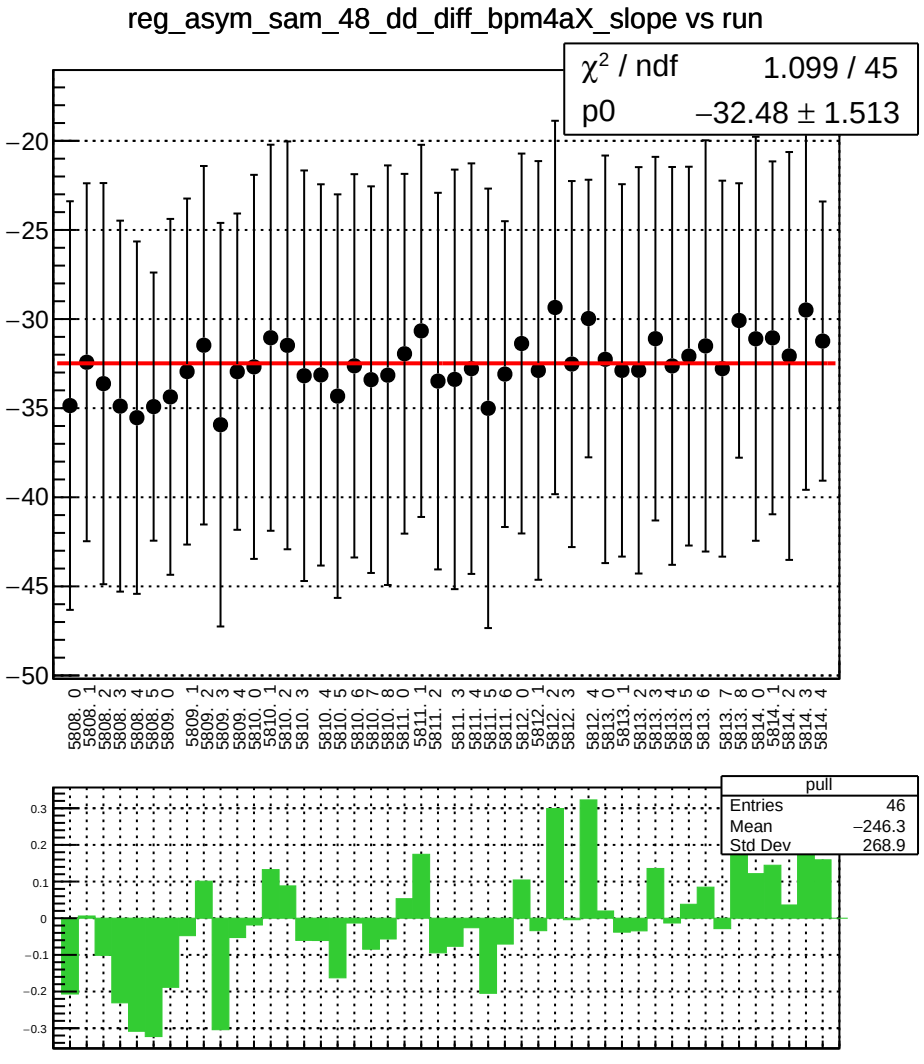

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.55 / 45
p0 −77.84 ± 1.798
pull
Entries 46
Mean −272.2
Std Dev 294.8

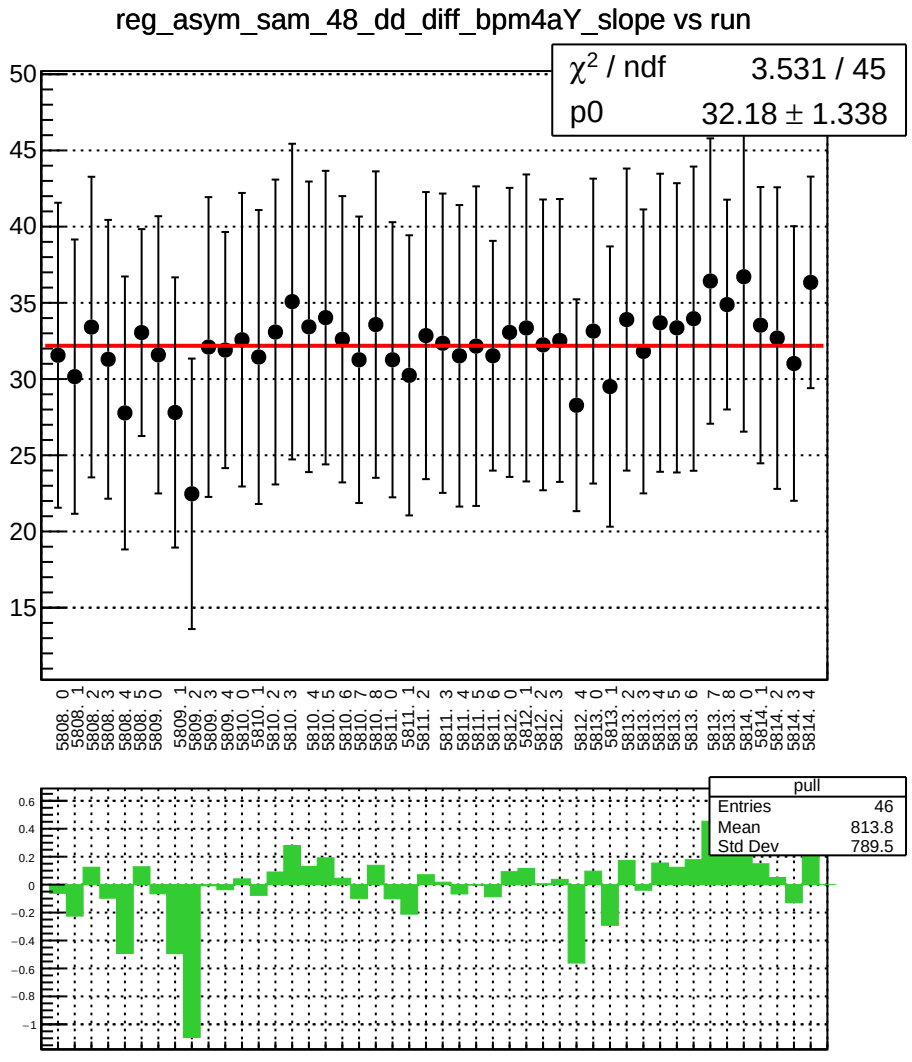

pull1D
Entries 46
Mean 0.00498
Std Dev 0.2354

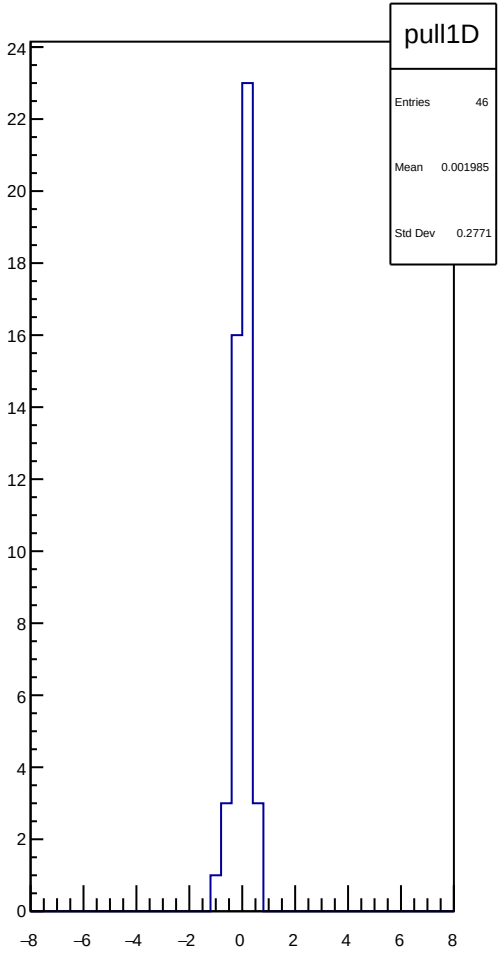

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.034 / 45
p0 94.52 ± 1.369
pull
Entries 46
Mean 770.3
Std Dev 753.6
pull1D
Entries 46
Mean 0.0007106
Std Dev 0.391

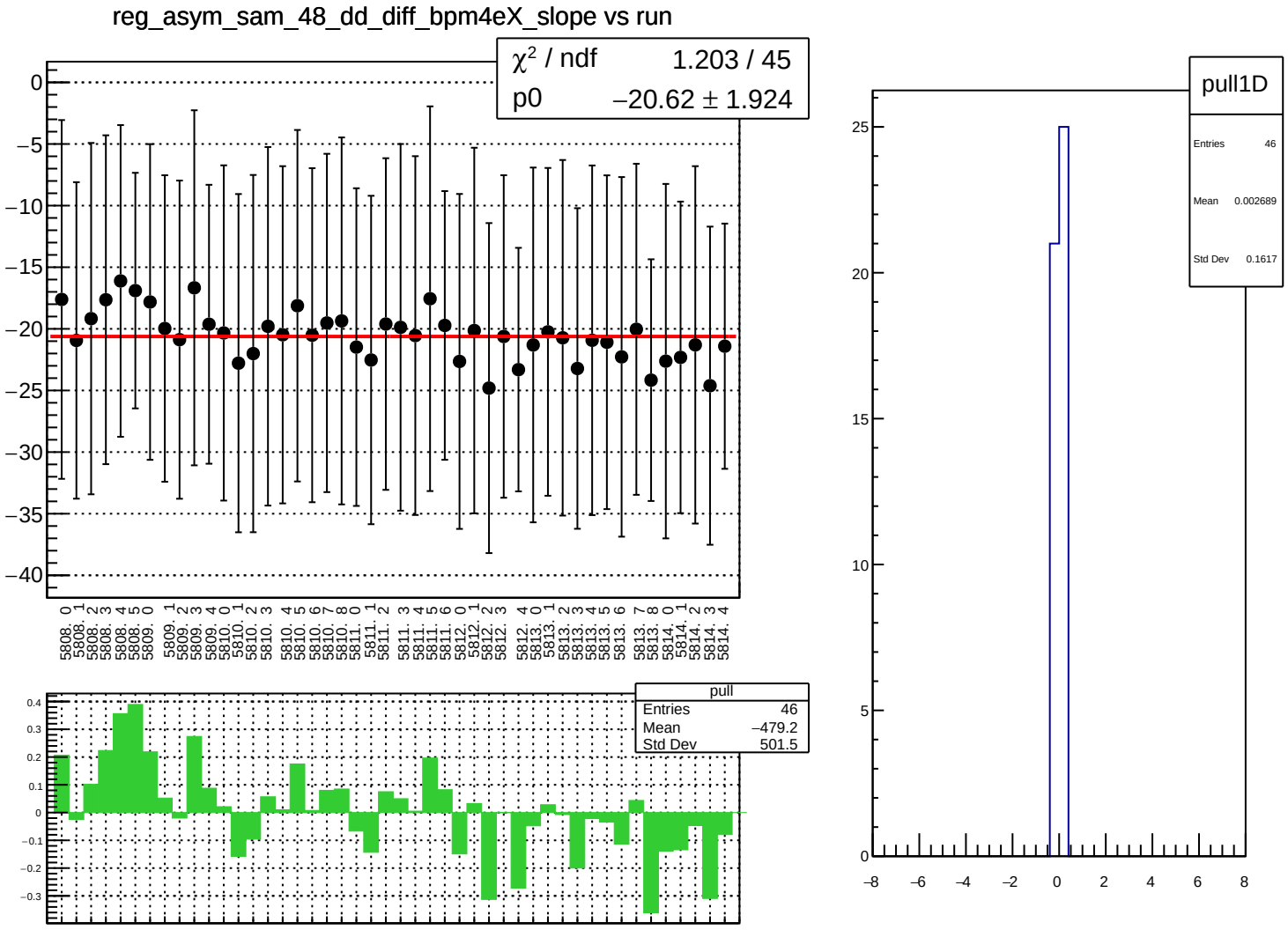

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.169 / 45
p0 0.1218 ± 0.08177
pull
Entries 46
Mean −110.1
Std Dev 135.8

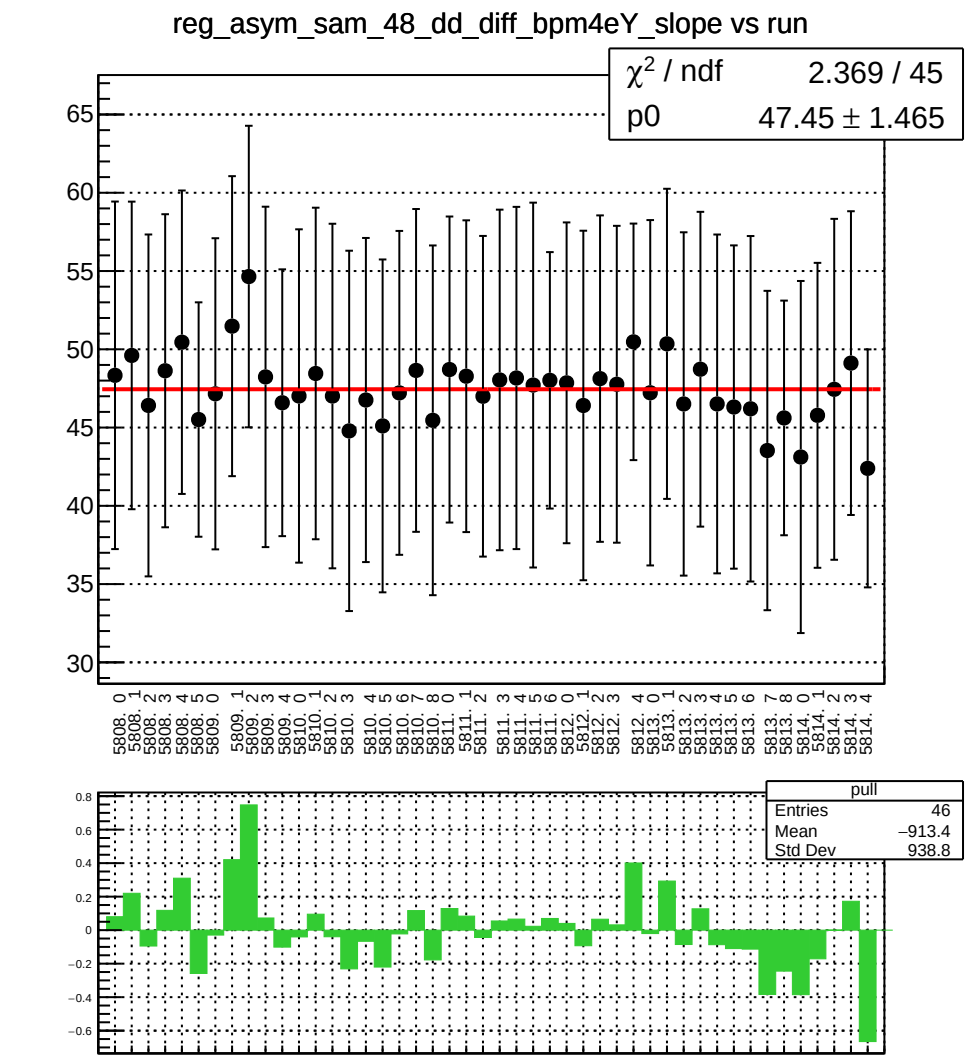

pull1D
Entries 46
Mean −0.01362
Std Dev 0.3349

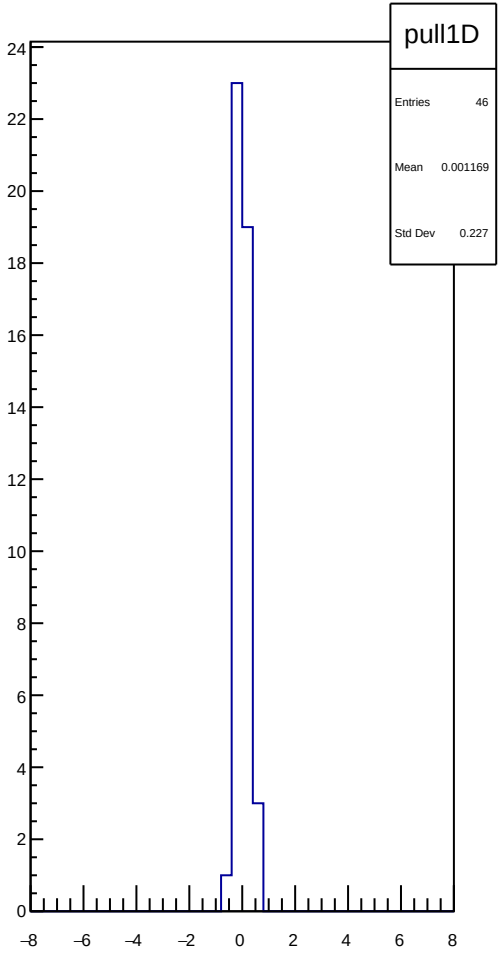

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.099 / 45
p0 −32.48 ± 1.513
−20
−25
−30
−35
−40
−45
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −246.3
Std Dev 268.9
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 46
Mean −0.004645
Std Dev 0.1545
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

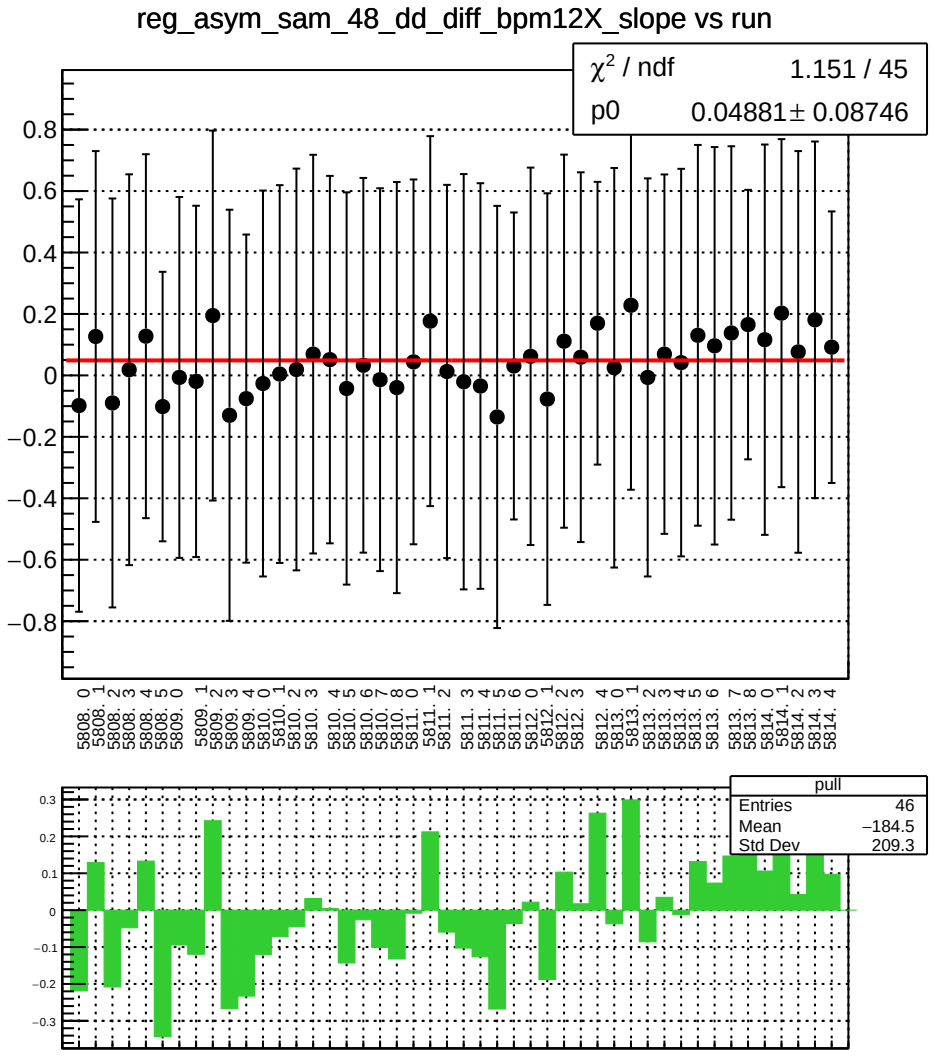

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.531 / 45
p0 32.18 ± 1.338
pull
Entries 46
Mean 813.8
Std Dev 789.5

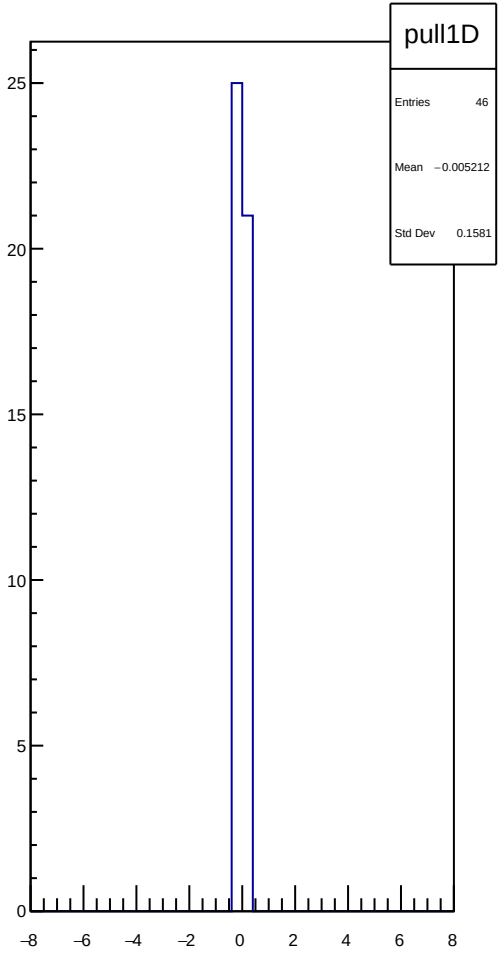

pull1D
Entries 46
Mean 0.001985
Std Dev 0.2771

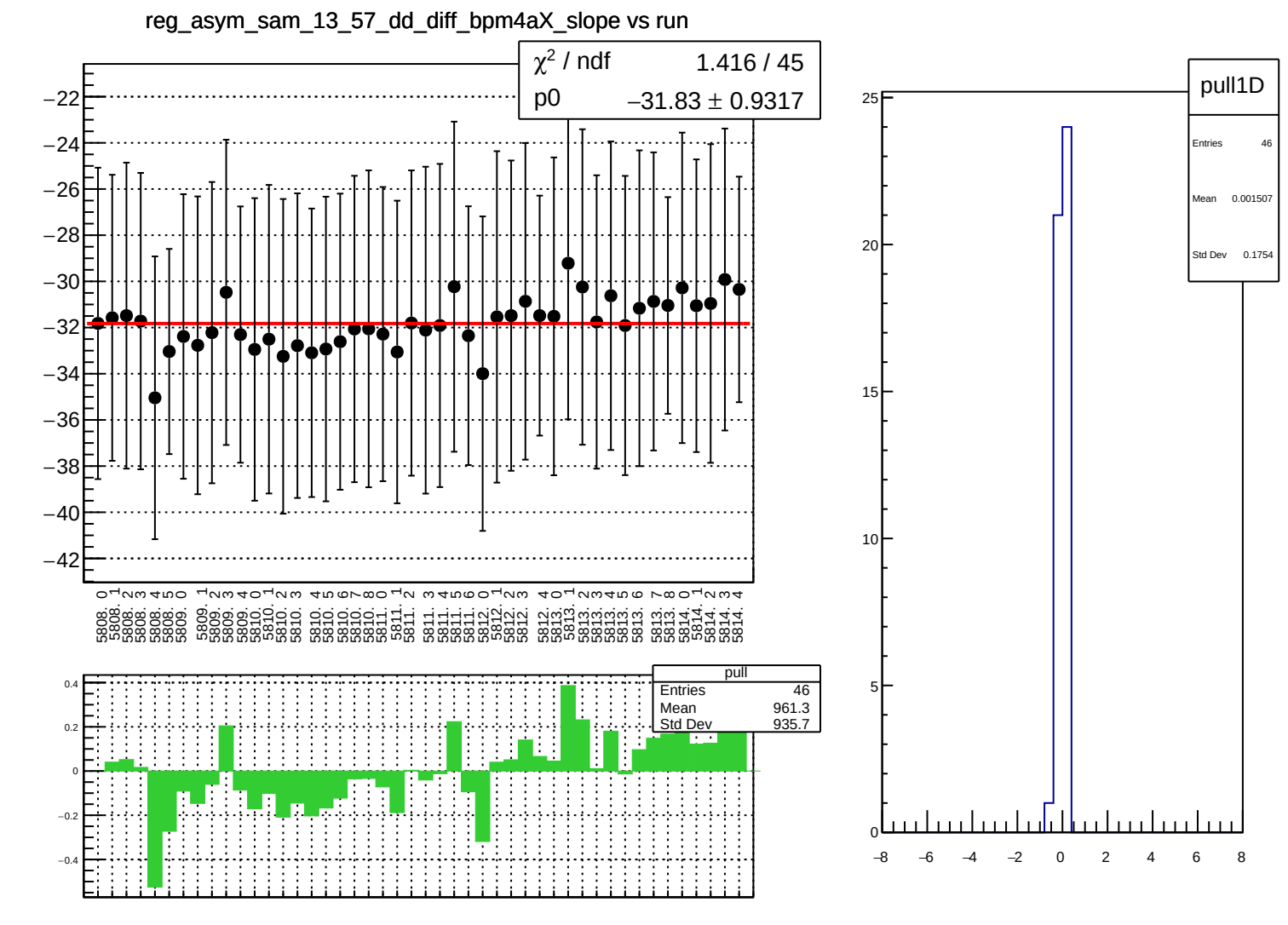

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.203 / 45
p0 −20.62 ± 1.924
pull
Entries 46
Mean −479.2
Std Dev 501.5
pull1D
Entries 46
Mean 0.002689
Std Dev 0.1617

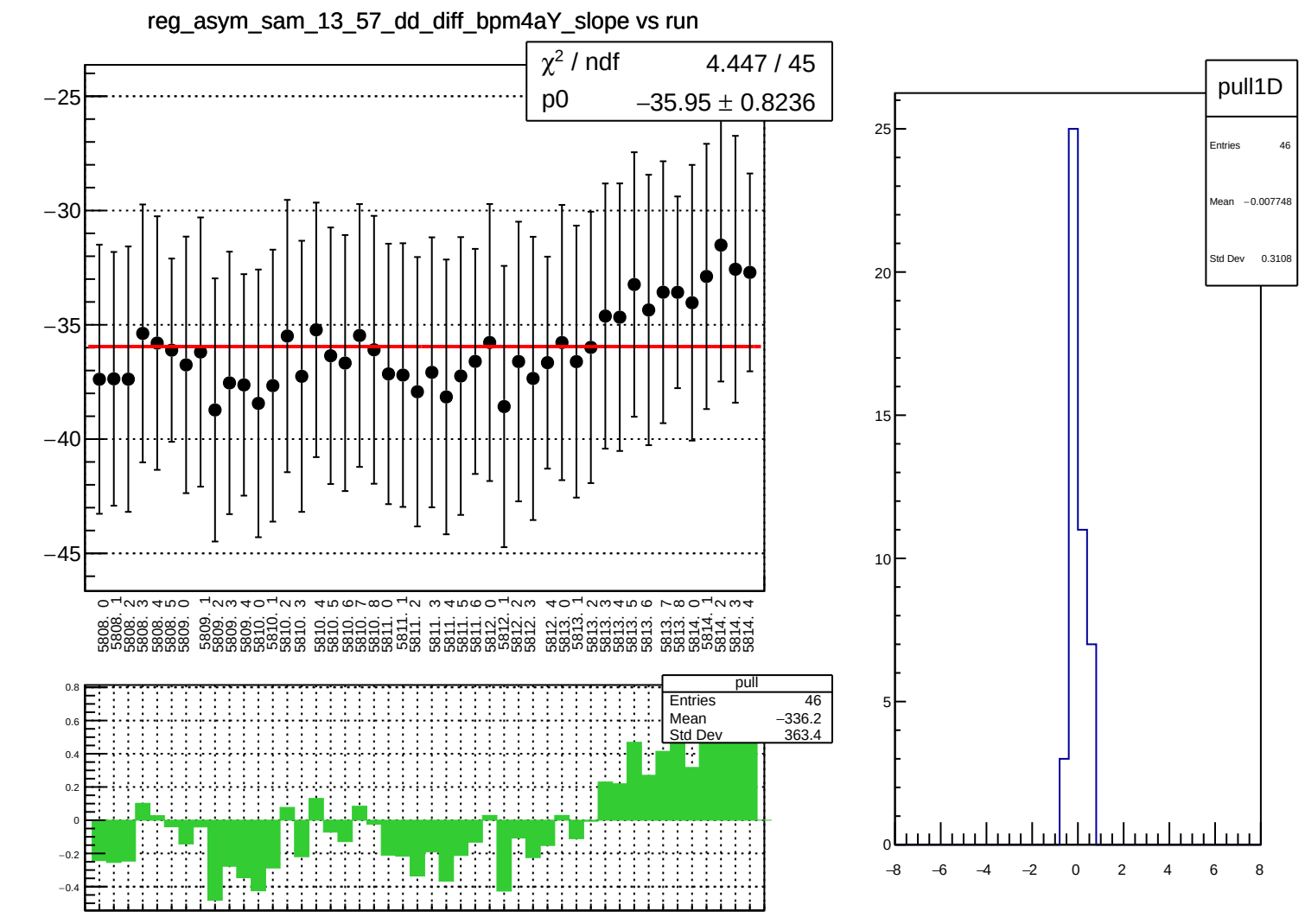

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.369 / 45
p0 47.45 ± 1.465
pull
Entries 46
Mean −913.4
Std Dev 938.8

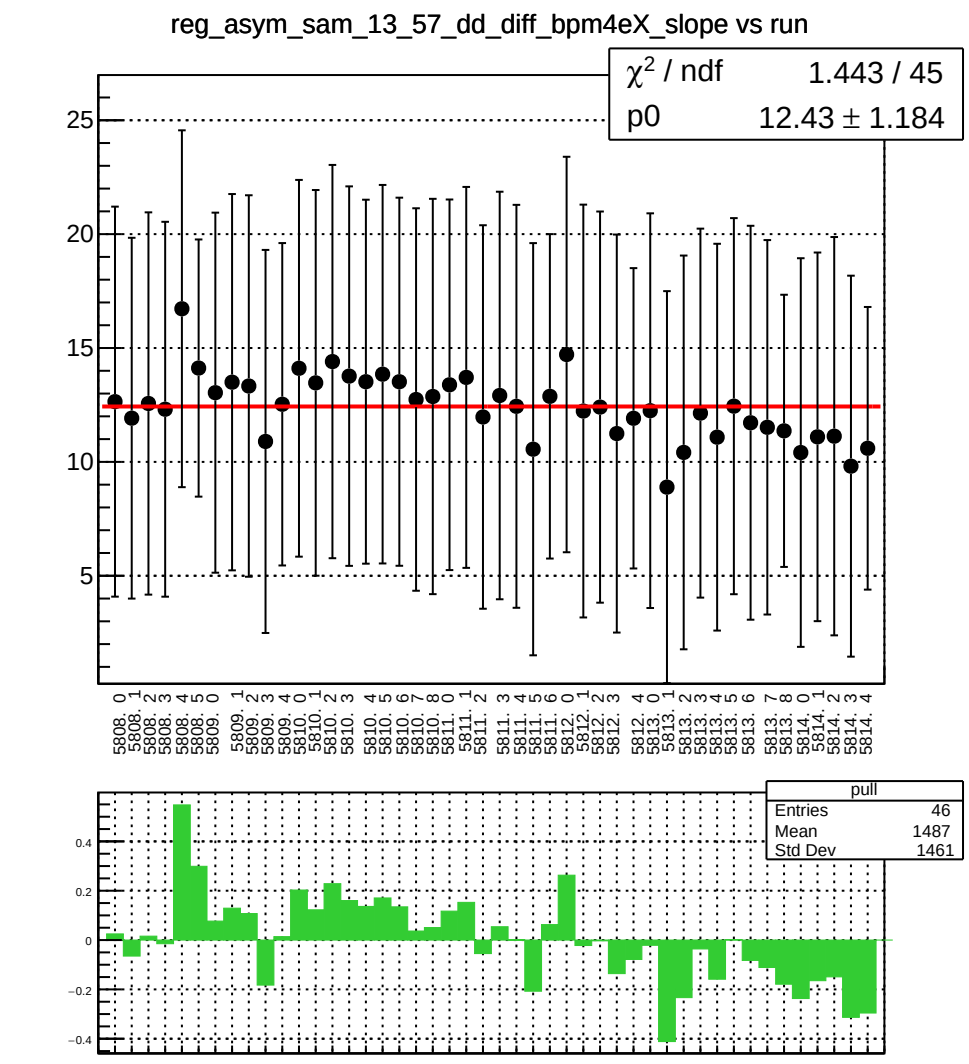

pull1D
Entries 46
Mean 0.001169
Std Dev 0.227

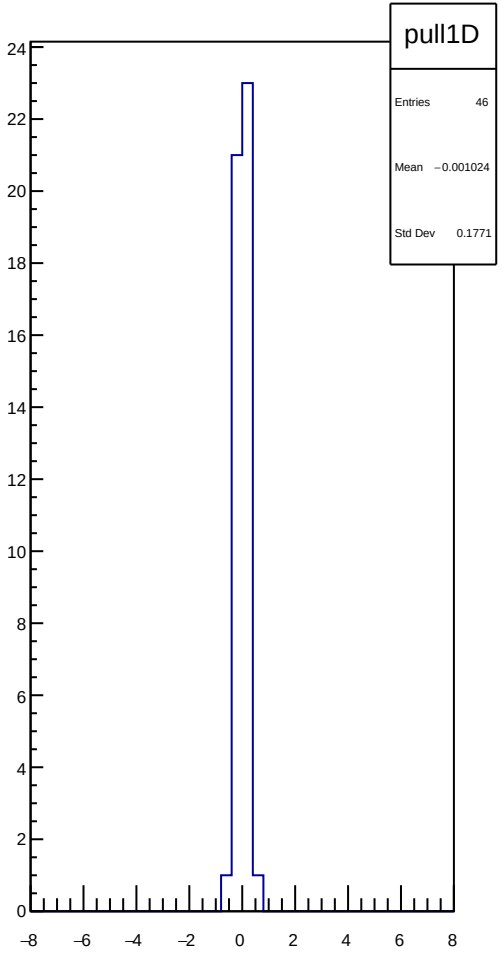

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.151 / 45
p0 0.04881 ± 0.08746
pull
Entries 46
Mean −184.5
Std Dev 209.3

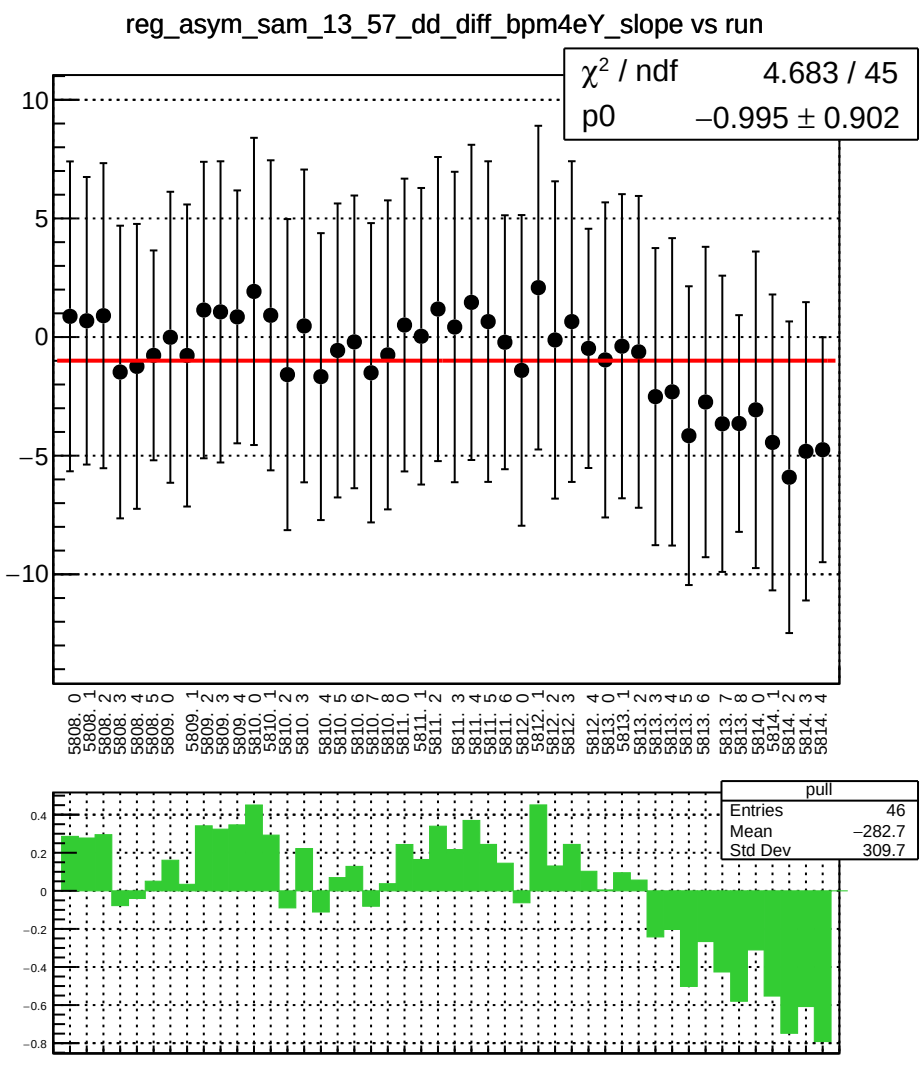

pull1D
Entries 46
Mean −0.005212
Std Dev 0.1581

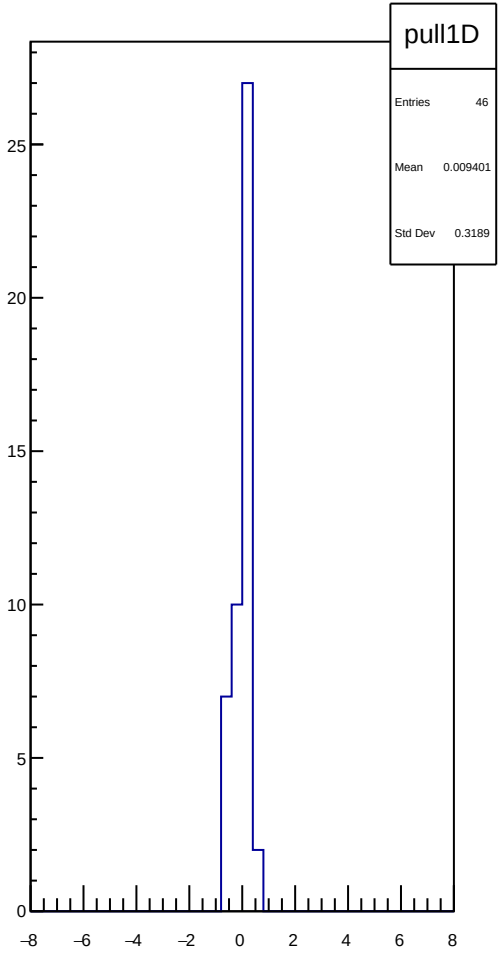

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.416 / 45
p0 −31.83 ± 0.9317
pull
Entries 46
Mean 961.3
Std Dev 935.7
pull1D
Entries 46
Mean 0.001507
Std Dev 0.1754

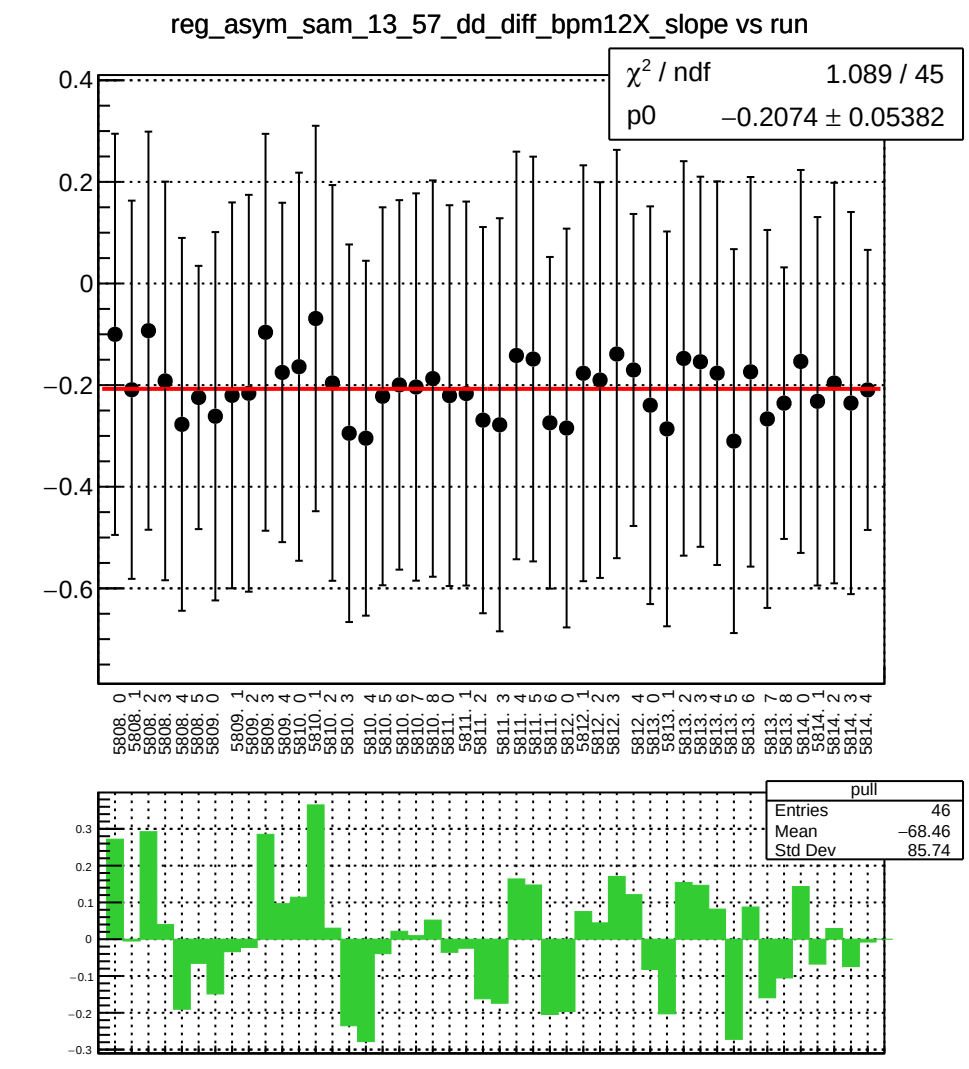

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.447 / 45
p0 −35.95 ± 0.8236
−25
−30
−35
−40
−45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −336.2
Std Dev 363.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 46
Mean −0.007748
Std Dev 0.3108
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

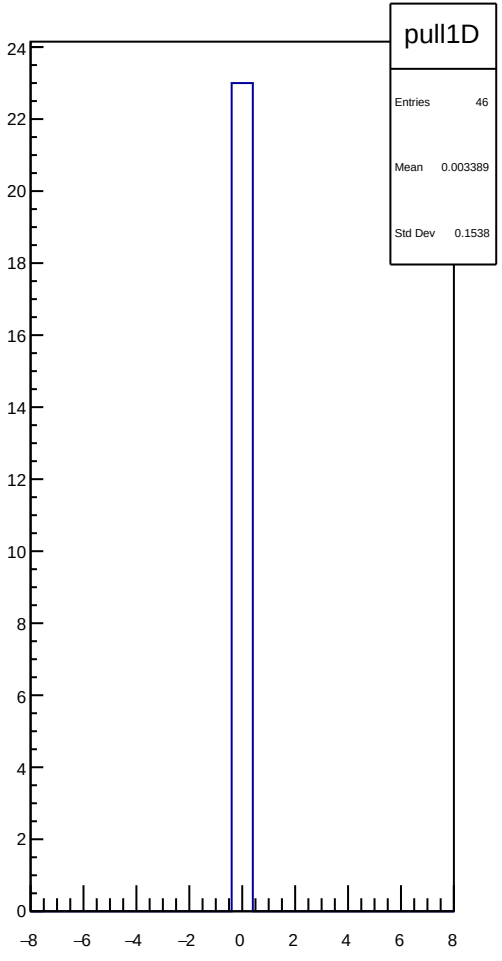

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.443 / 45
p0 12.43 ± 1.184
pull
Entries 46
Mean 1487
Std Dev 1461

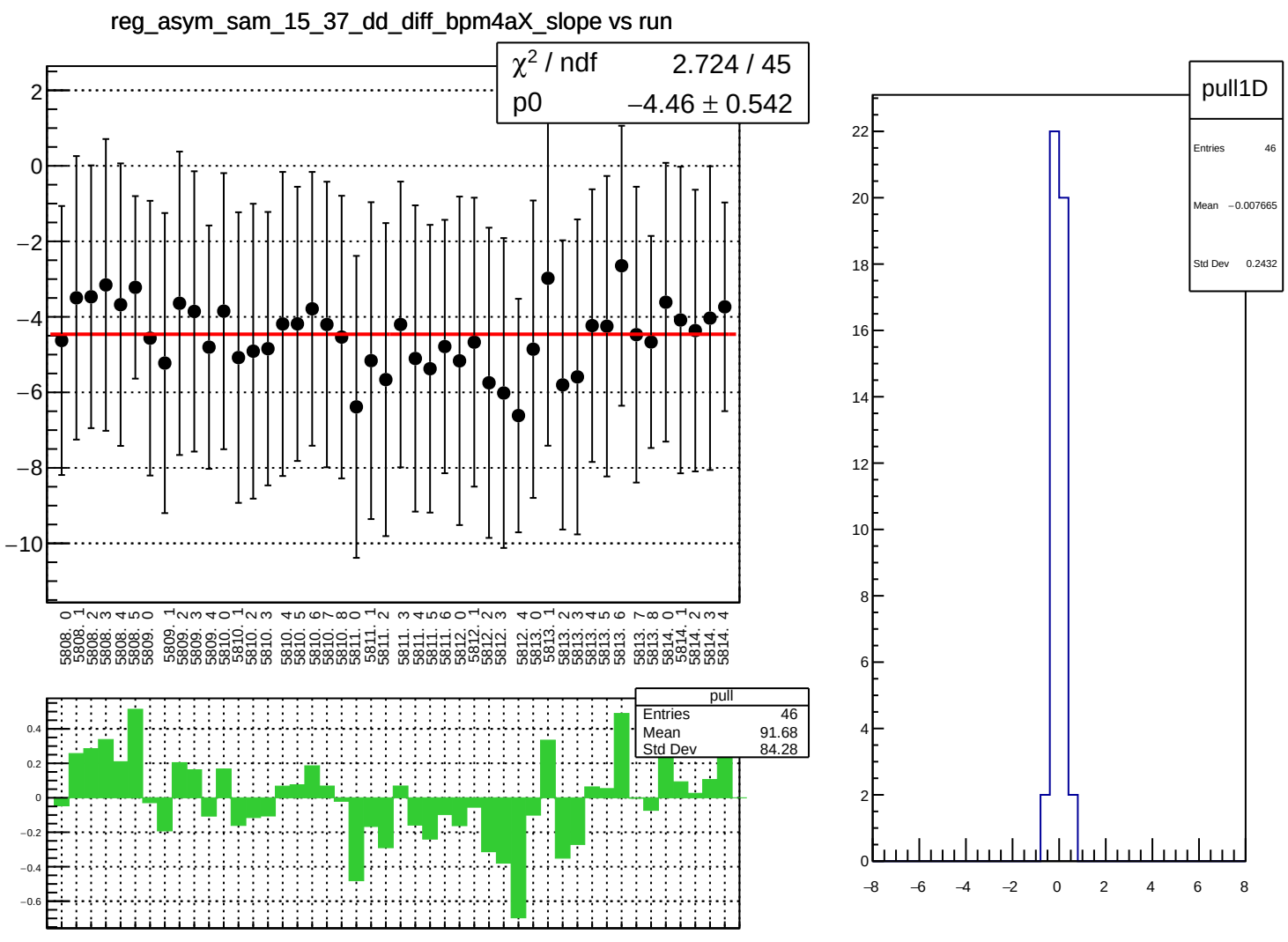

pull1D
Entries 46
Mean −0.001024
Std Dev 0.1771

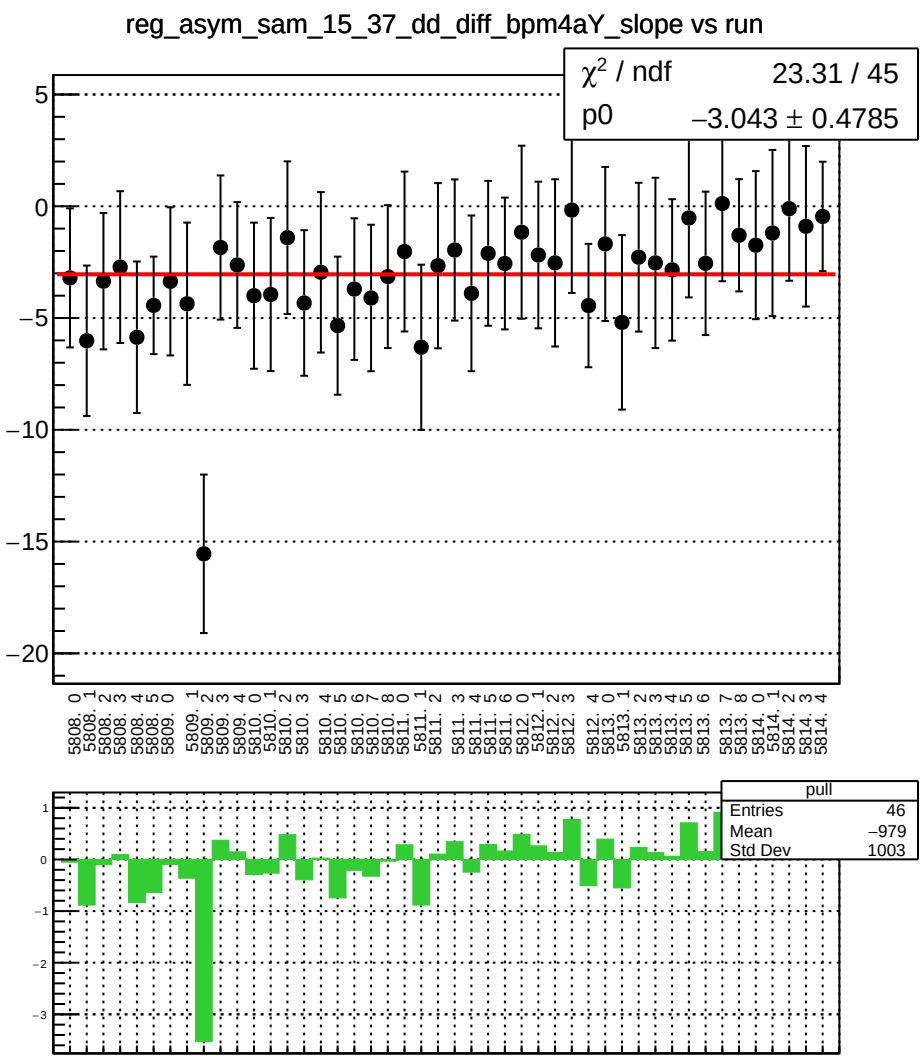

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.683 / 45
p0 −0.995 ± 0.902
pull
Entries 46
Mean −282.7
Std Dev 309.7

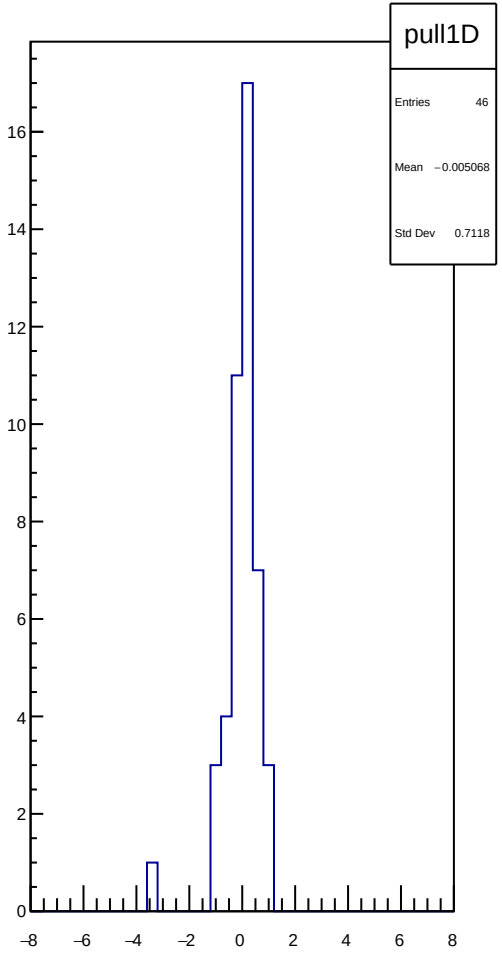

pull1D
Entries 46
Mean 0.009401
Std Dev 0.3189

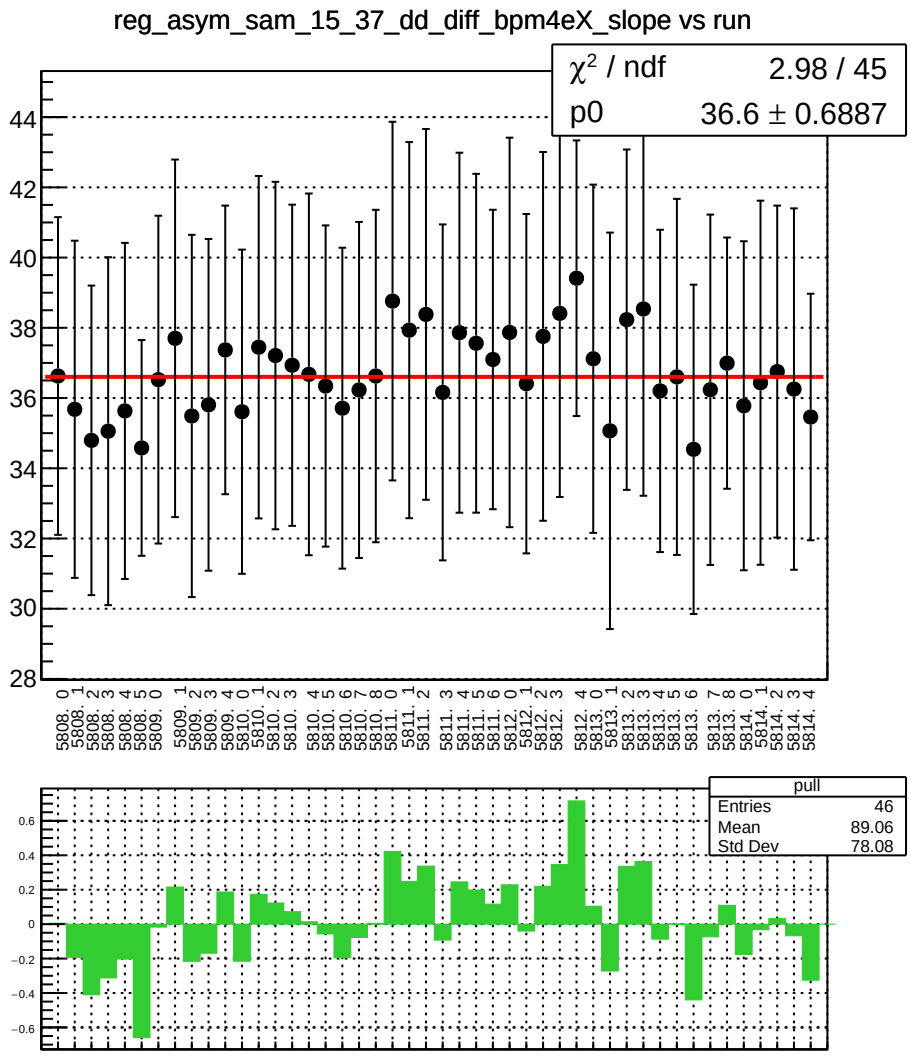

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.089 / 45
p0 −0.2074 ± 0.05382
pull
Entries 46
Mean −68.46
Std Dev 85.74

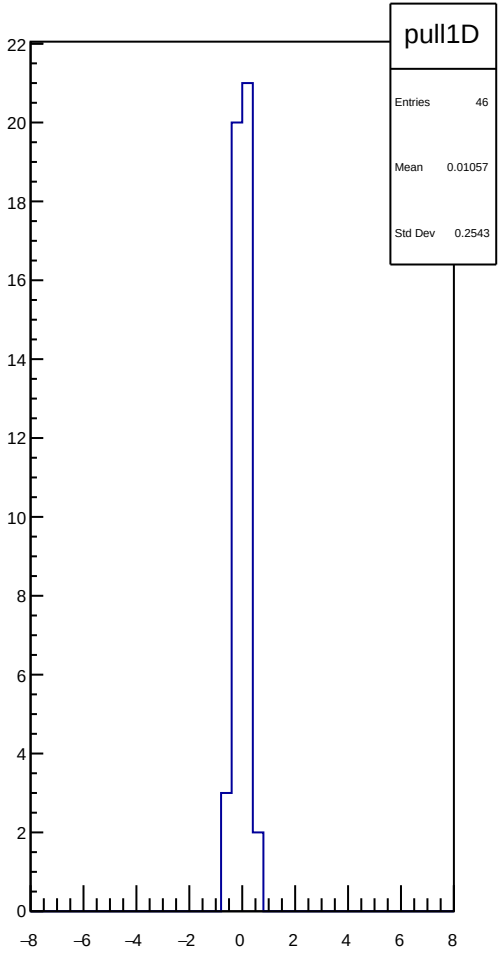

pull1D
Entries 46
Mean 0.003389
Std Dev 0.1538

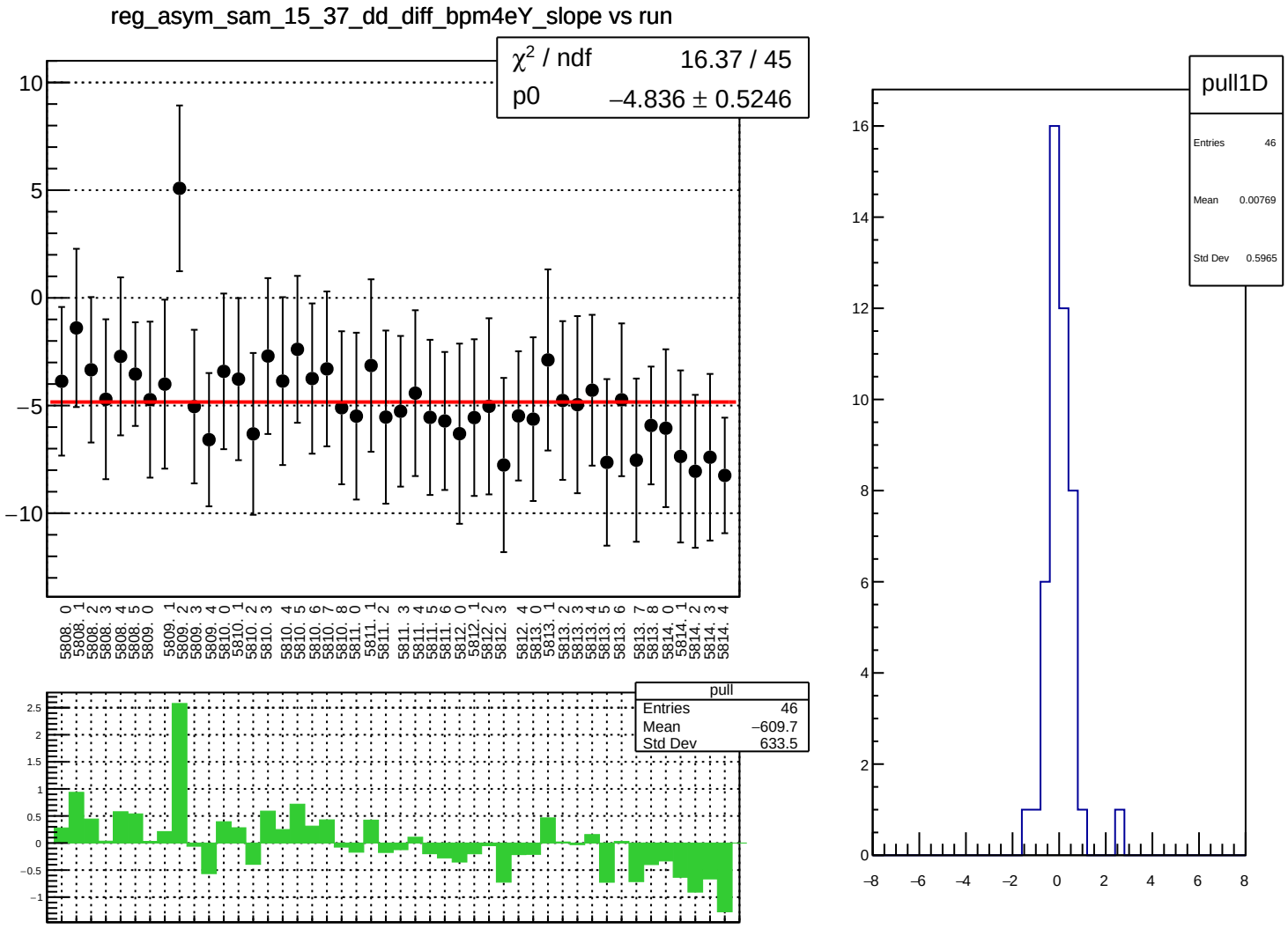

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.724 / 45
p0 −4.46 ± 0.542
pull
Entries 46
Mean 91.68
Std Dev 84.28
pull1D
Entries 46
Mean −0.007665
Std Dev 0.2432

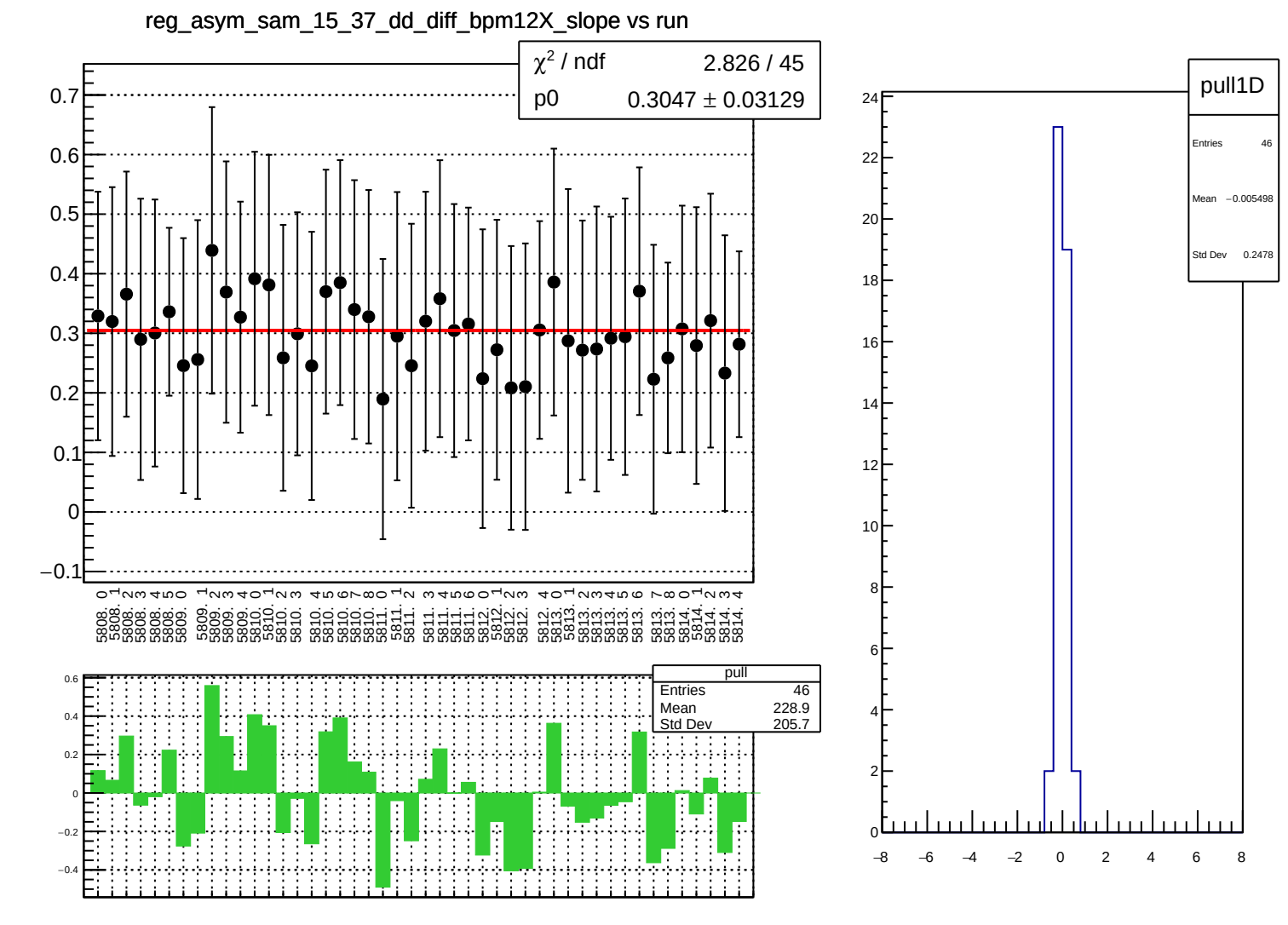

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.31 / 45
p0 −3.043 ± 0.4785
pull
Entries 46
Mean −979
Std Dev 1003

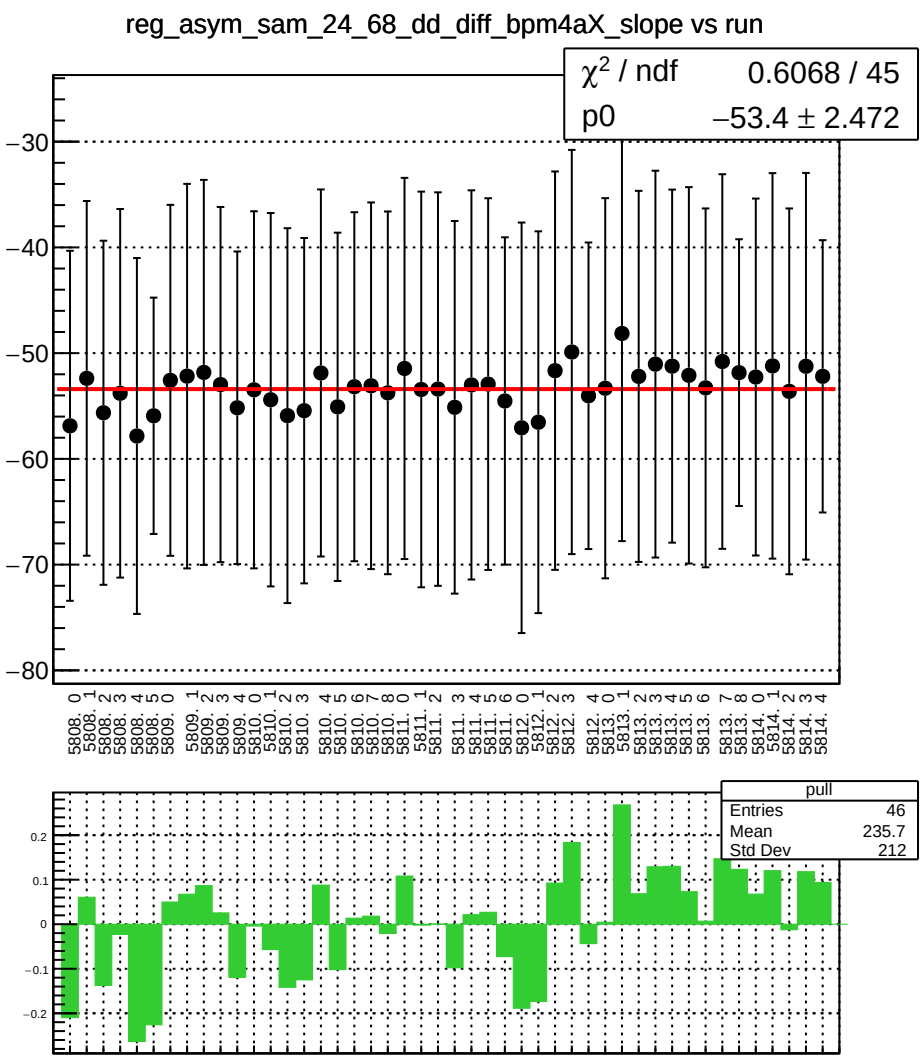

pull1D
Entries 46
Mean −0.005068
Std Dev 0.7118

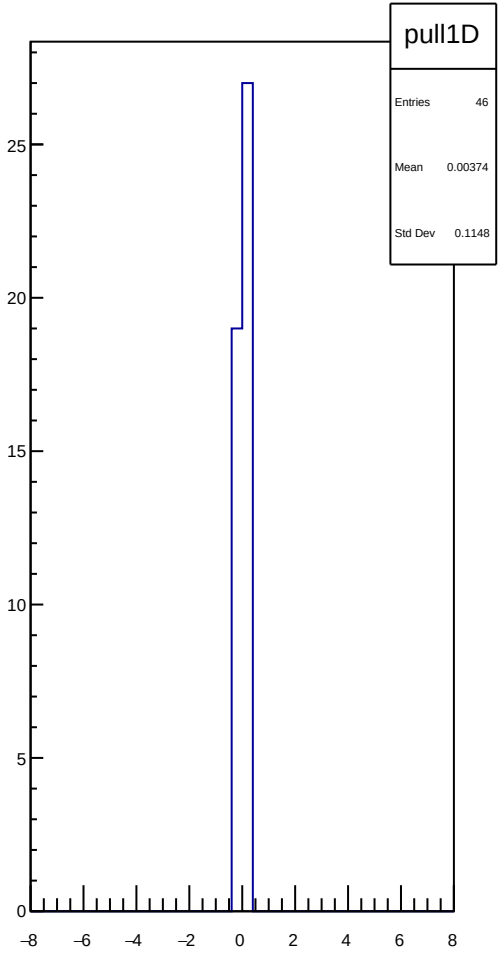

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.98 / 45
p0 36.6 ± 0.6887
pull
Entries 46
Mean 89.06
Std Dev 78.08

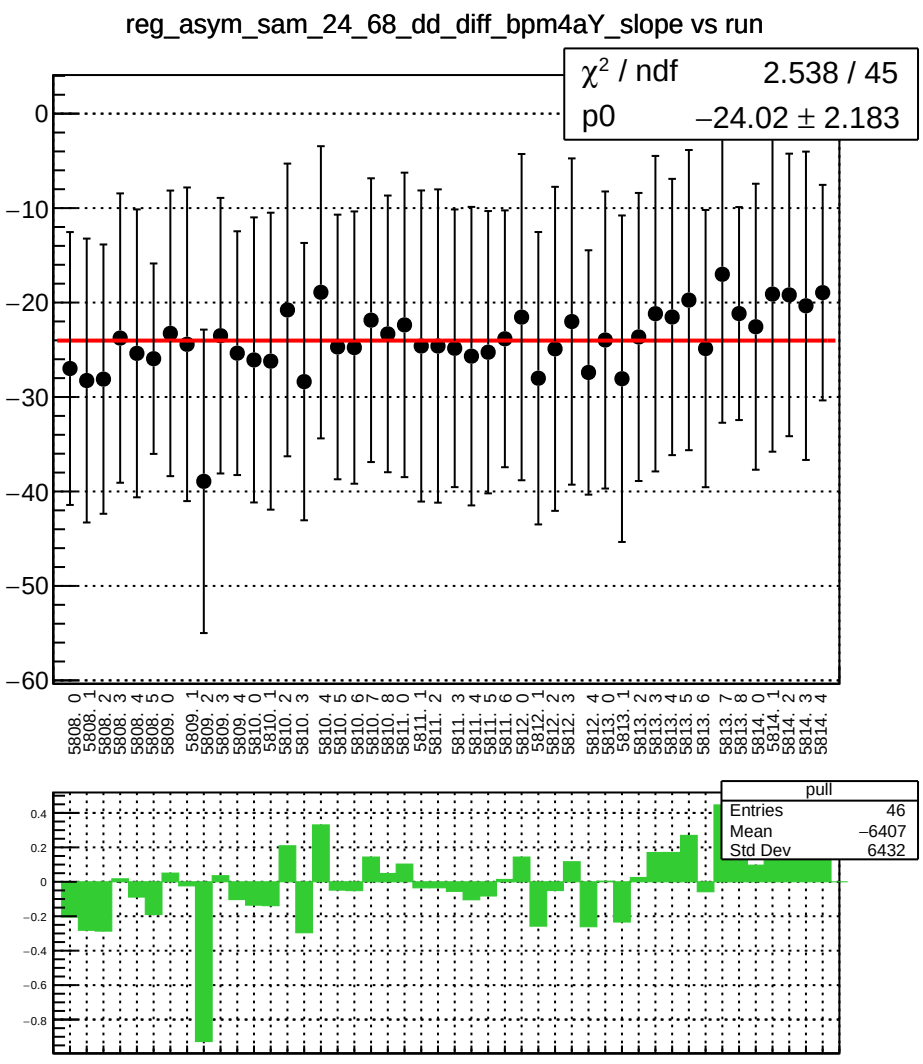

pull1D
Entries 46
Mean 0.01057
Std Dev 0.2543

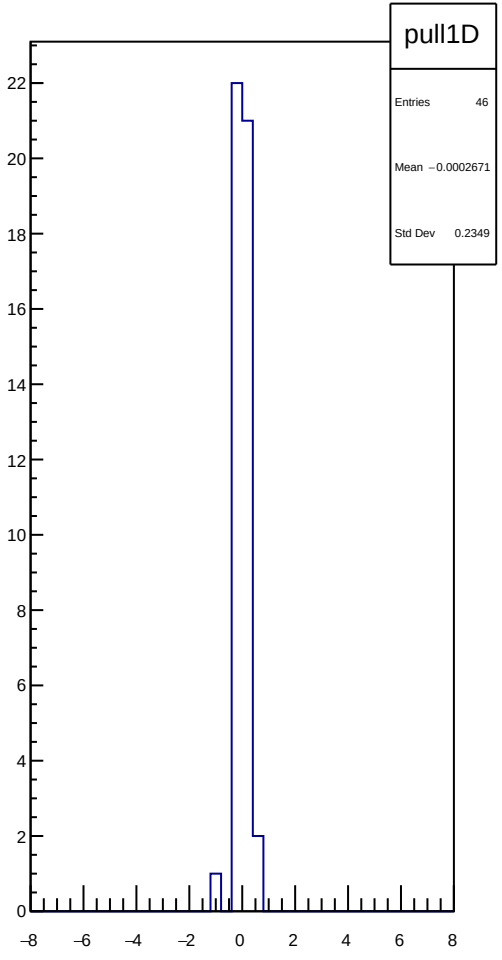

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.37 / 45
p0 −4.836 ± 0.5246
pull
Entries 46
Mean −609.7
Std Dev 633.5
pull1D
Entries 46
Mean 0.00769
Std Dev 0.5965

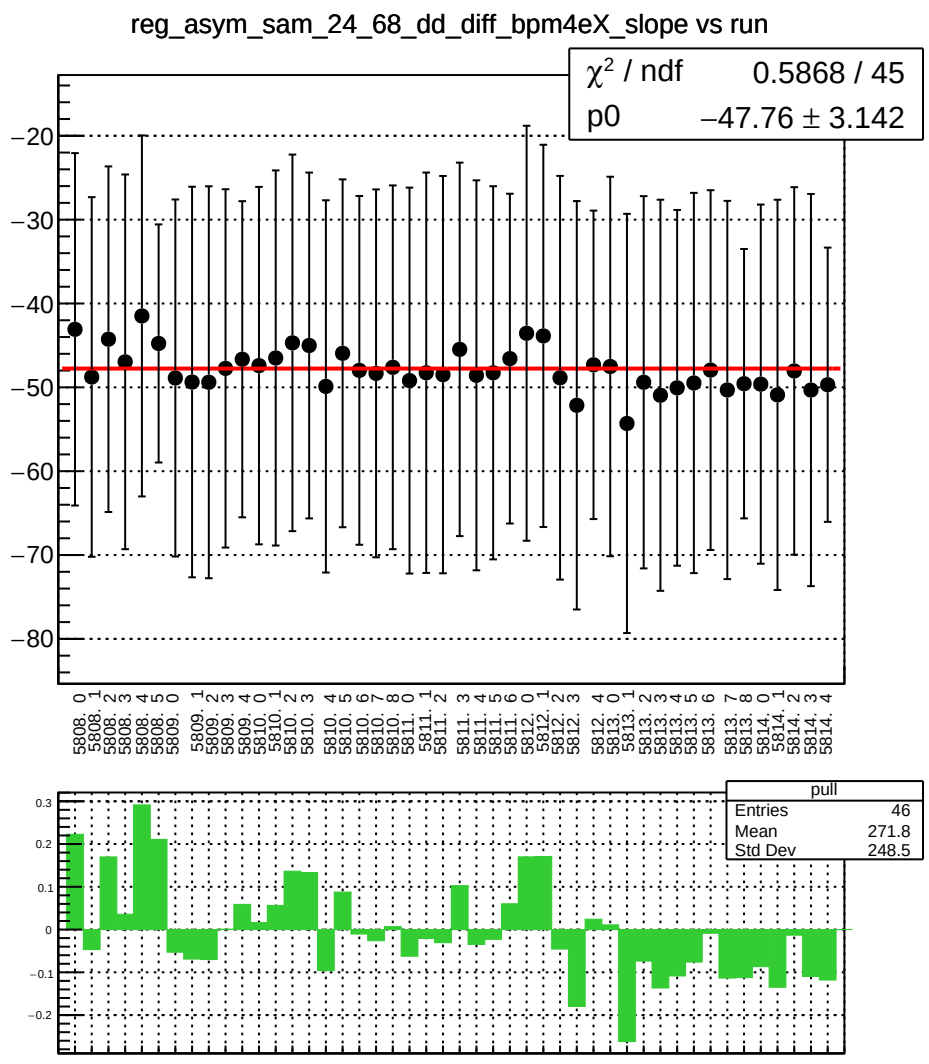

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.826 / 45
p0 0.3047 ± 0.03129
pull
Entries 46
Mean 228.9
Std Dev 205.7
pull1D
Entries 46
Mean −0.005498
Std Dev 0.2478

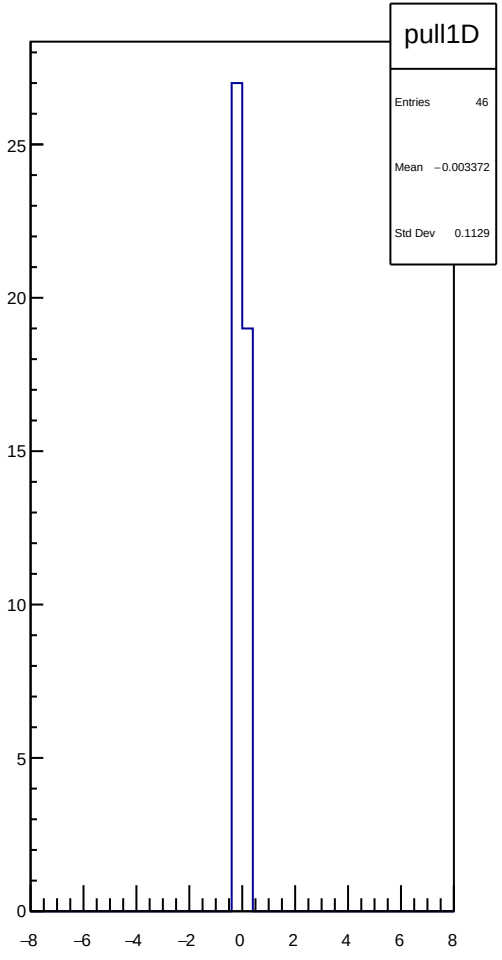

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.6068 / 45
p0 −53.4 ± 2.472
pull
Entries 46
Mean 235.7
Std Dev 212

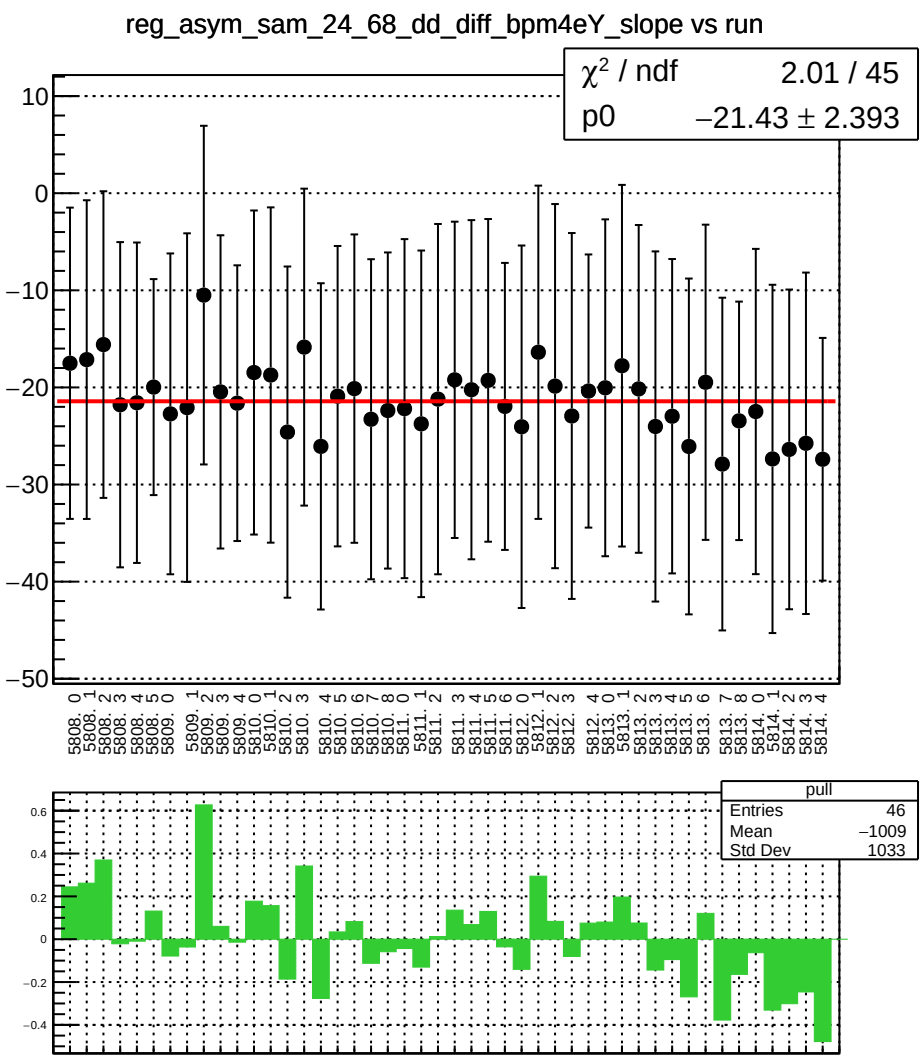

pull1D
Entries 46
Mean 0.00374
Std Dev 0.1148

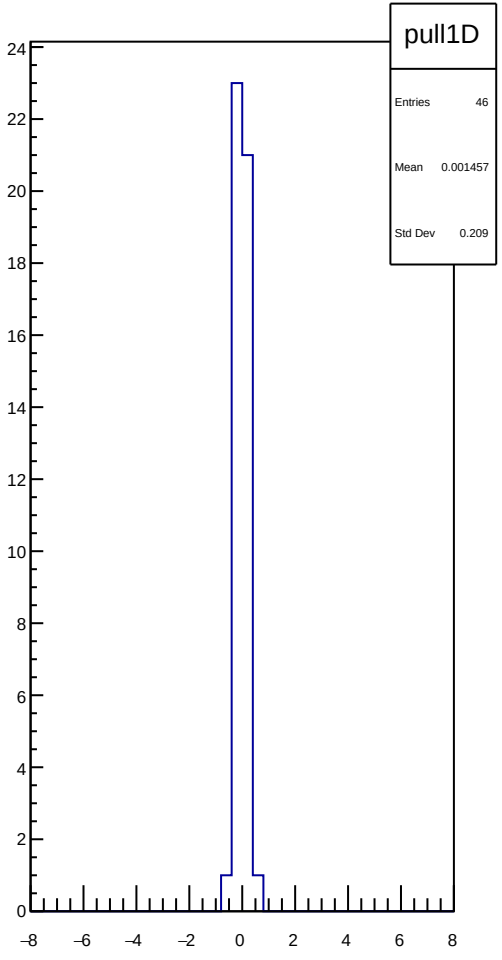

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.538 / 45
p0 −24.02 ± 2.183
pull
Entries 46
Mean −6407
Std Dev 6432

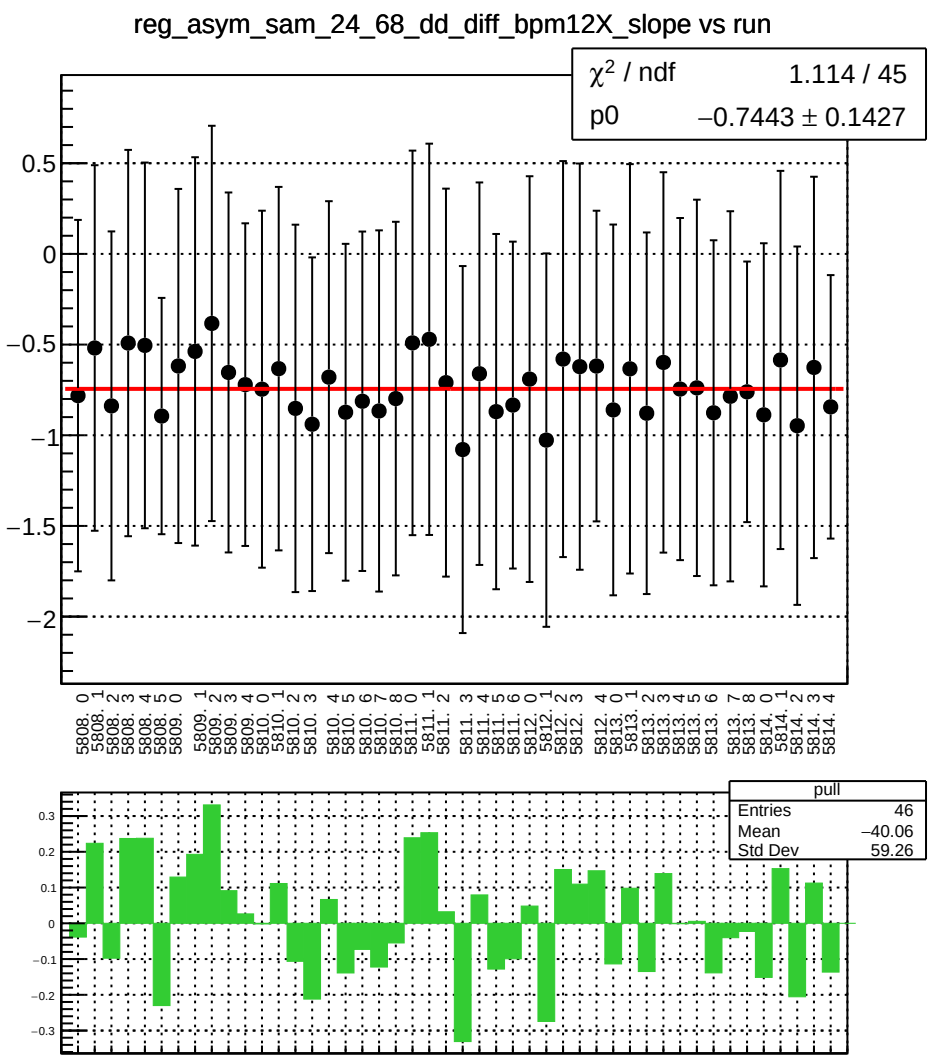

pull1D
Entries 46
Mean −0.0002671
Std Dev 0.2349

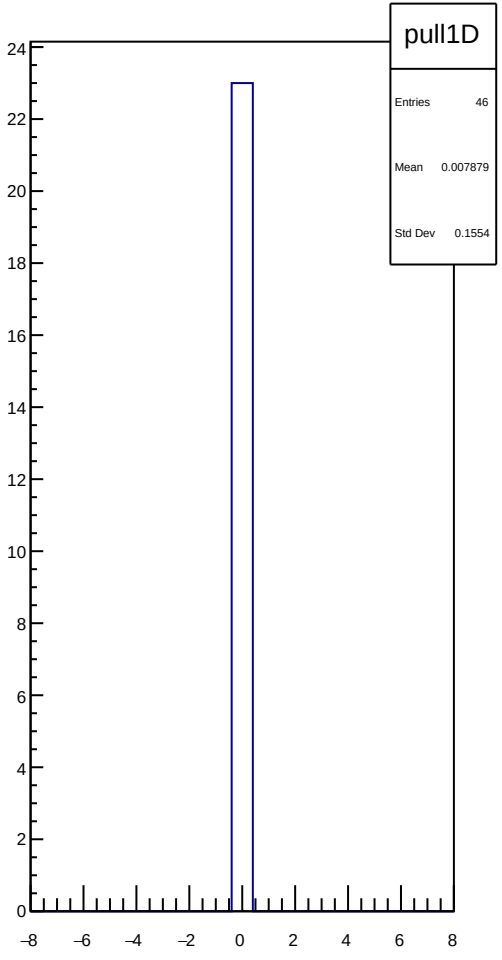

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5868 / 45
p0 −47.76 ± 3.142
pull
Entries 46
Mean 271.8
Std Dev 248.5

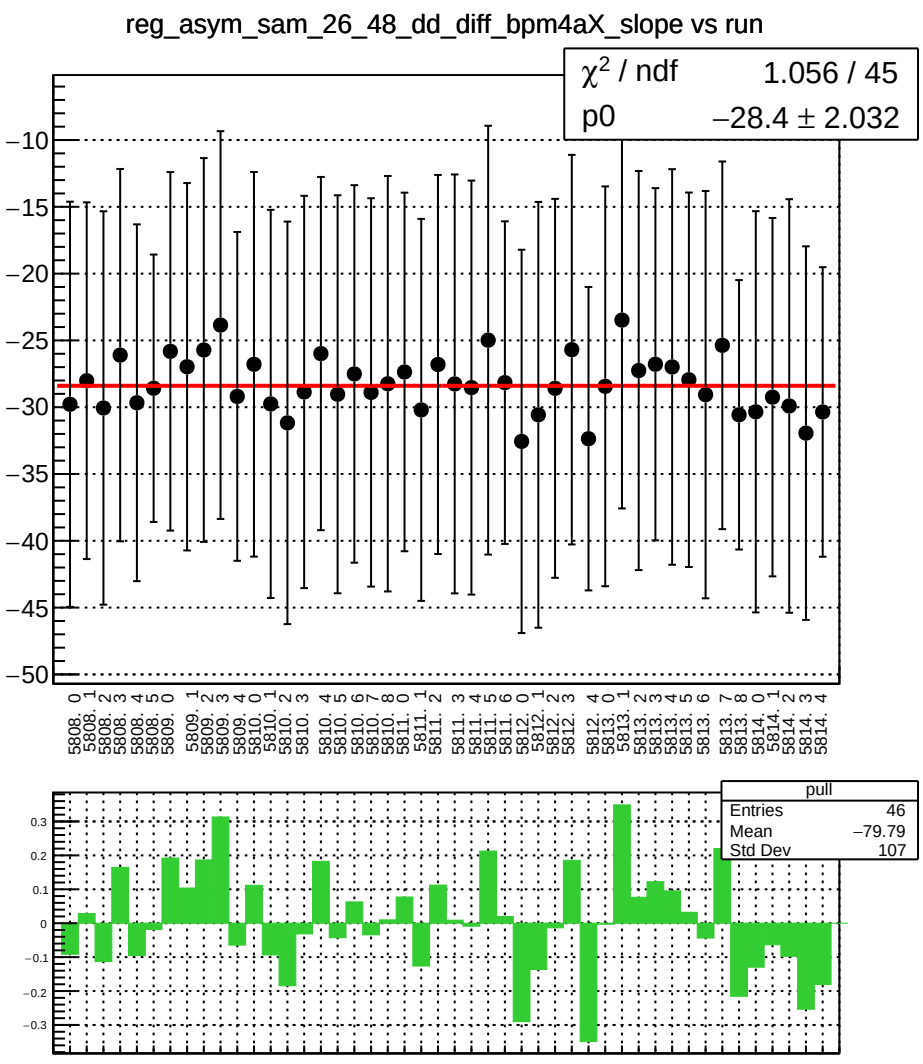

pull1D
Entries 46
Mean −0.003372
Std Dev 0.1129

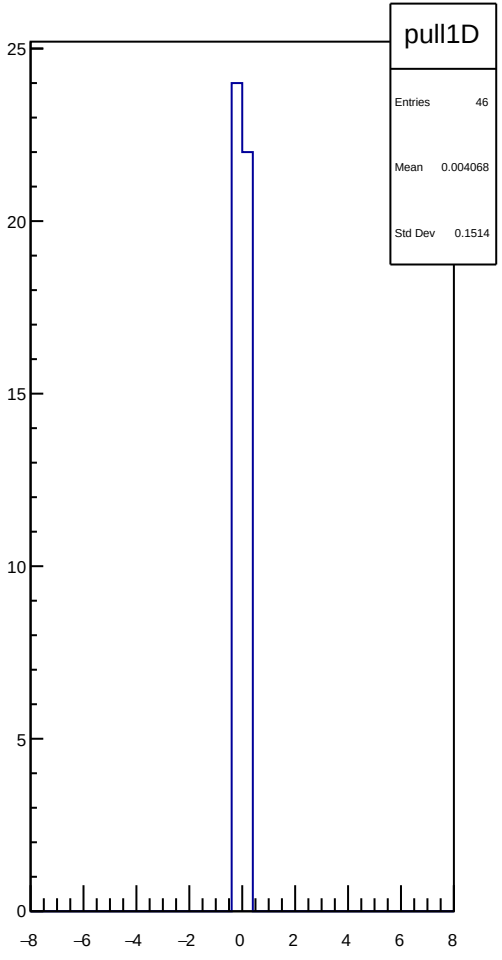

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.01 / 45
p0 −21.43 ± 2.393
pull
Entries 46
Mean −1009
Std Dev 1033

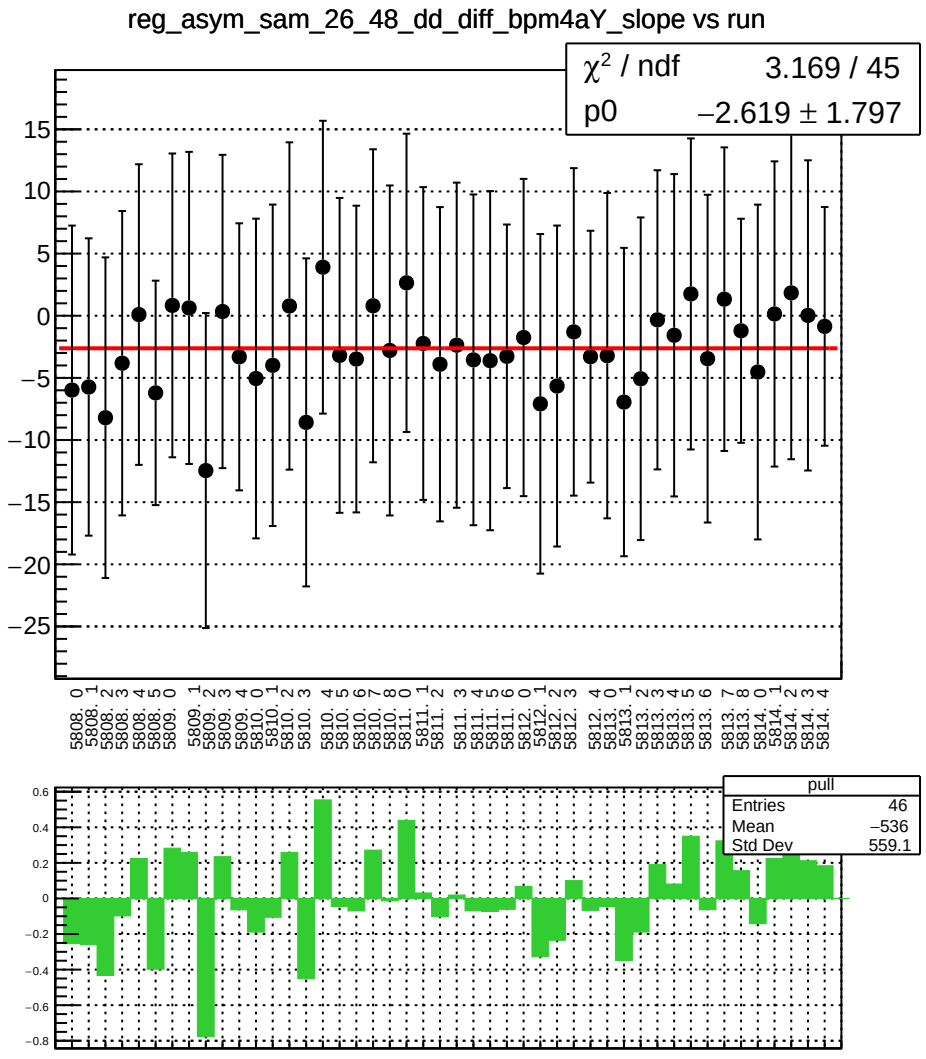

pull1D
Entries 46
Mean 0.001457
Std Dev 0.209

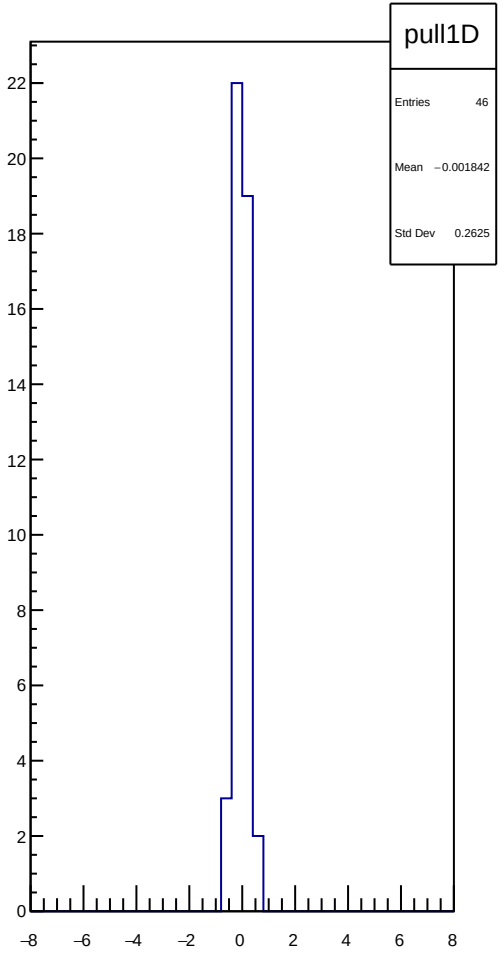

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.114 / 45
p0 −0.7443 ± 0.1427
pull
Entries 46
Mean −40.06
Std Dev 59.26

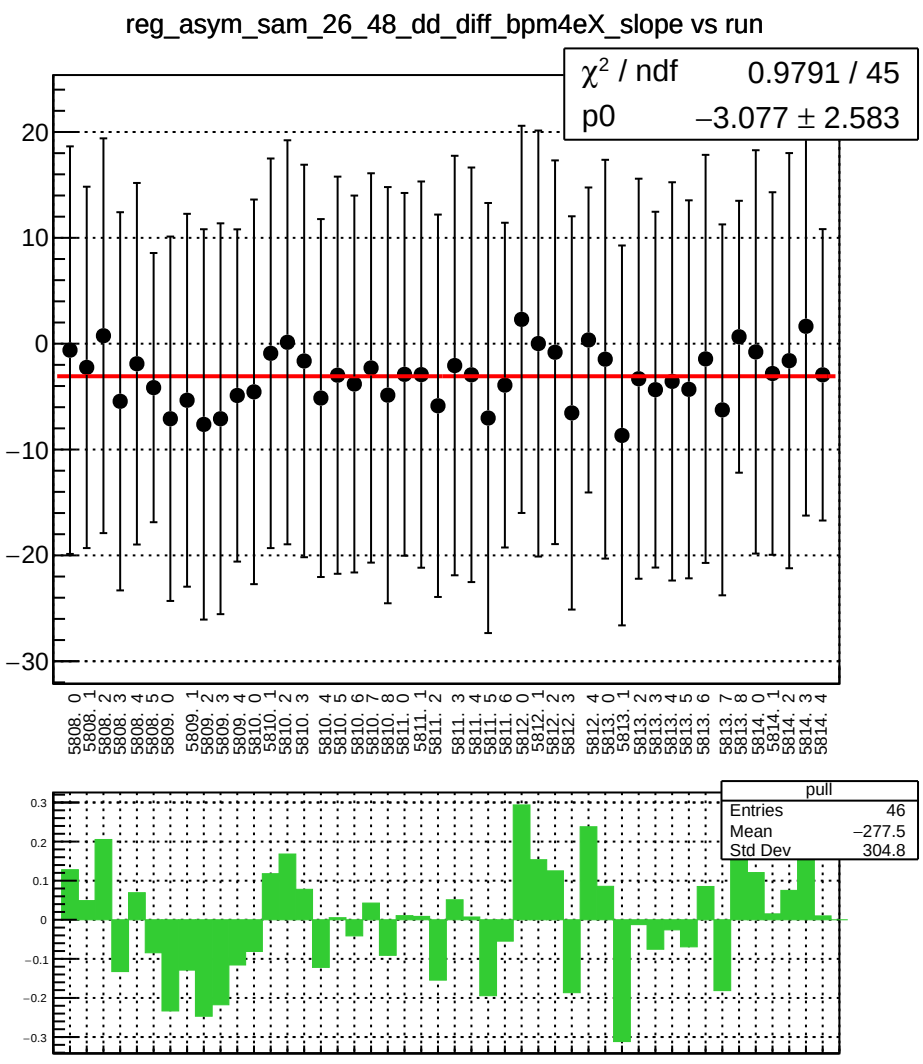

pull1D
Entries 46
Mean 0.007879
Std Dev 0.1554

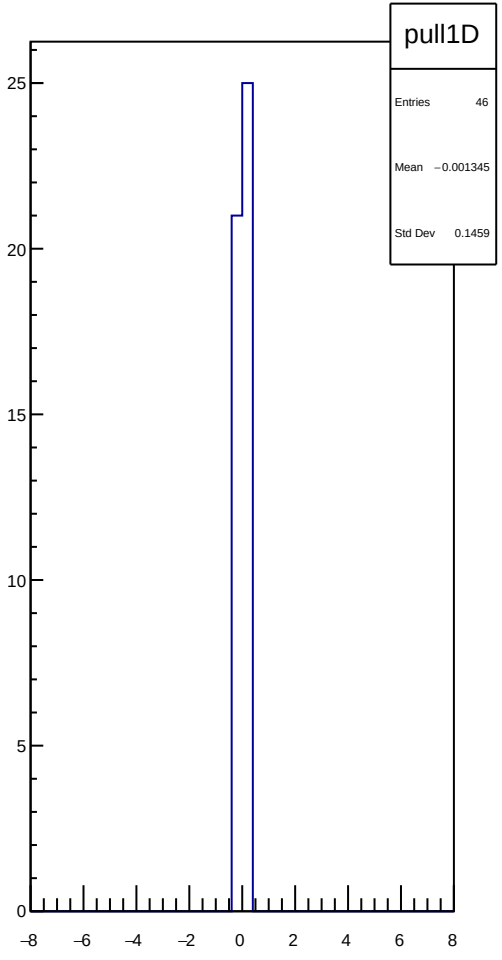

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.056 / 45
p0 −28.4 ± 2.032
pull
Entries 46
Mean −79.79
Std Dev 107

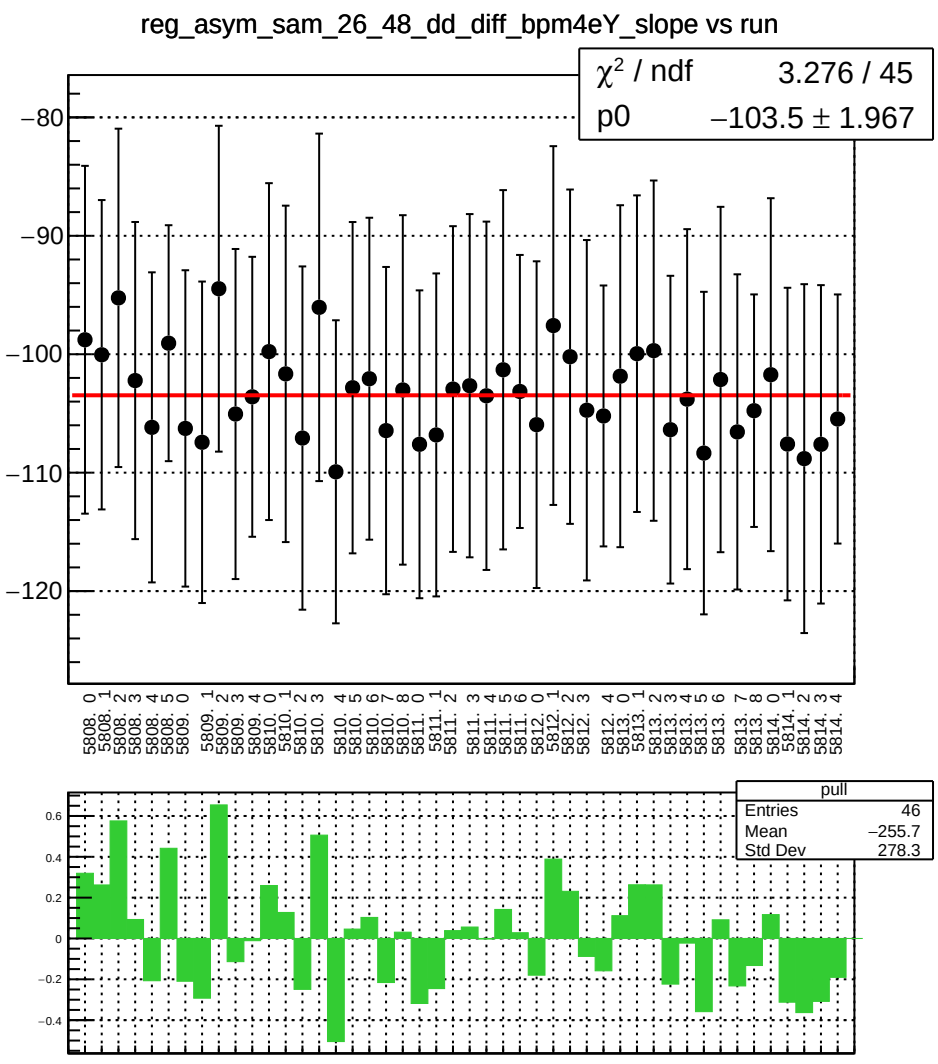

pull1D
Entries 46
Mean 0.004068
Std Dev 0.1514

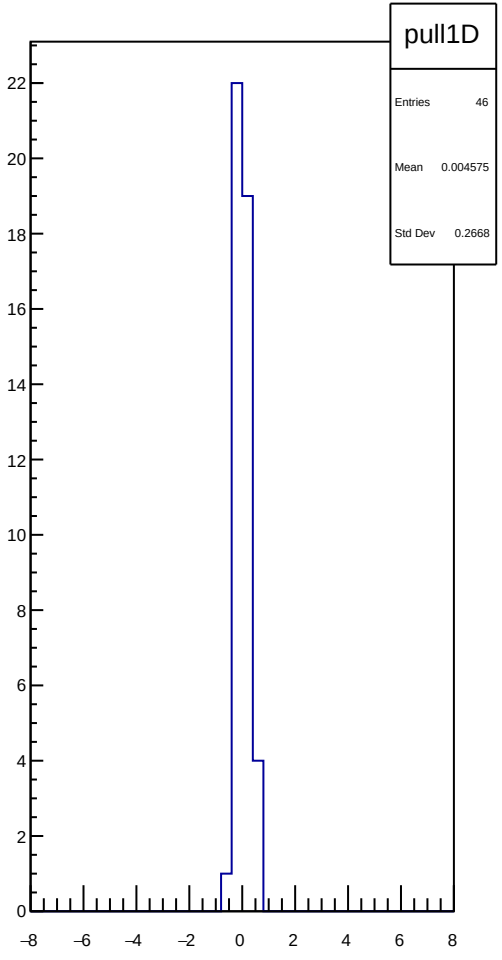

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.169 / 45
p0 −2.619 ± 1.797
pull
Entries 46
Mean −536
Std Dev 559.1

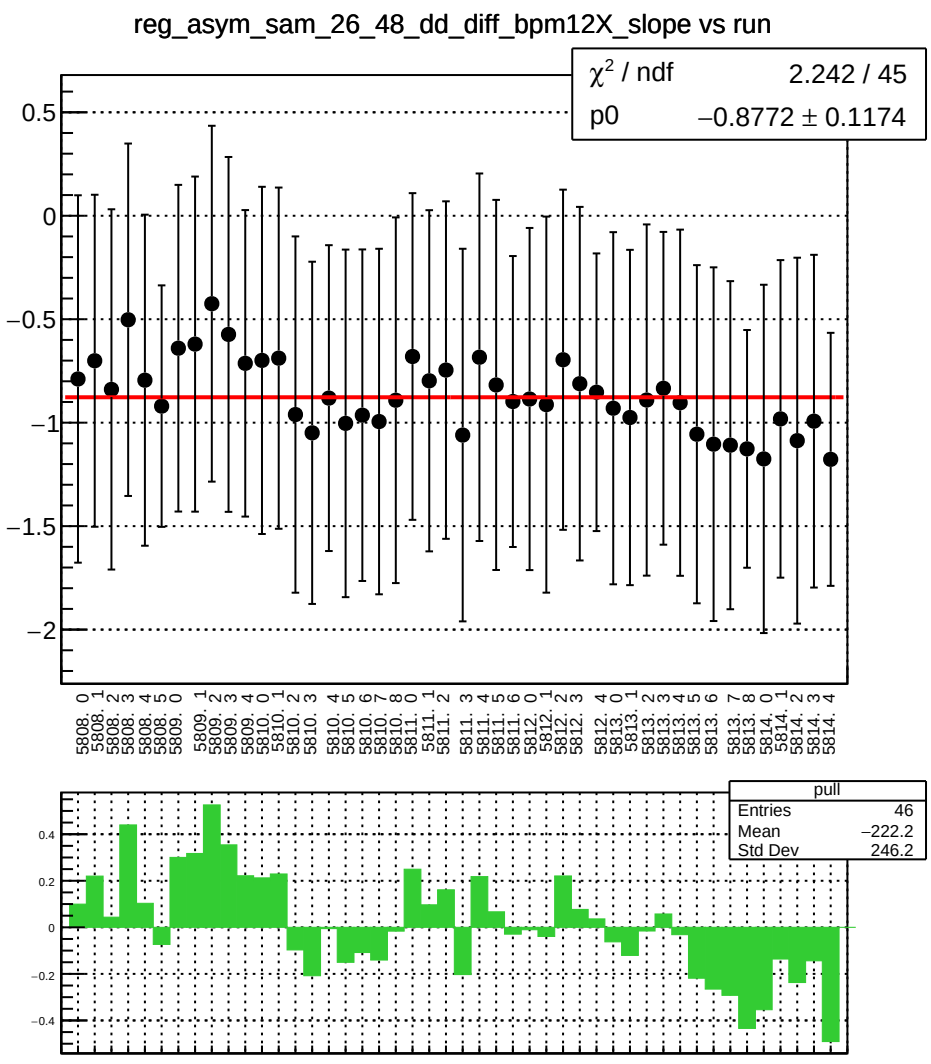

pull1D
Entries 46
Mean −0.001842
Std Dev 0.2625

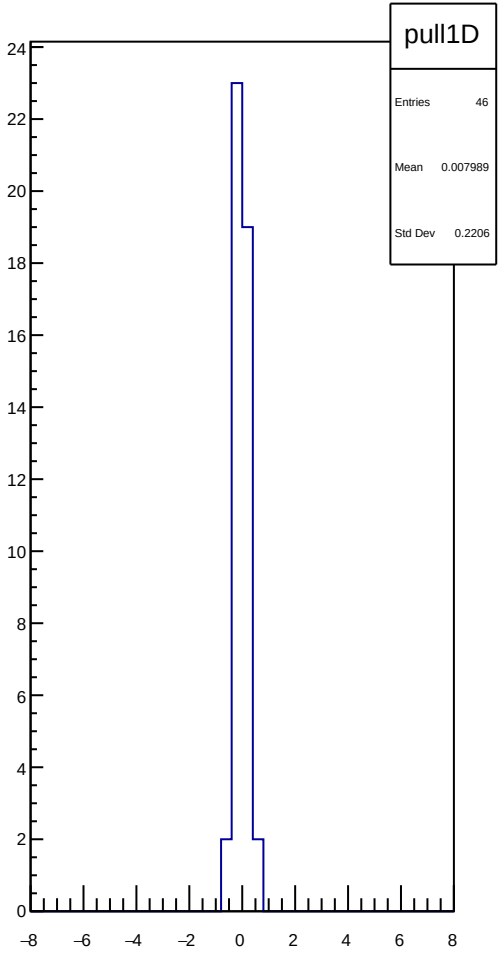

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9791 / 45
p0 −3.077 ± 2.583
pull
Entries 46
Mean −277.5
Std Dev 304.8

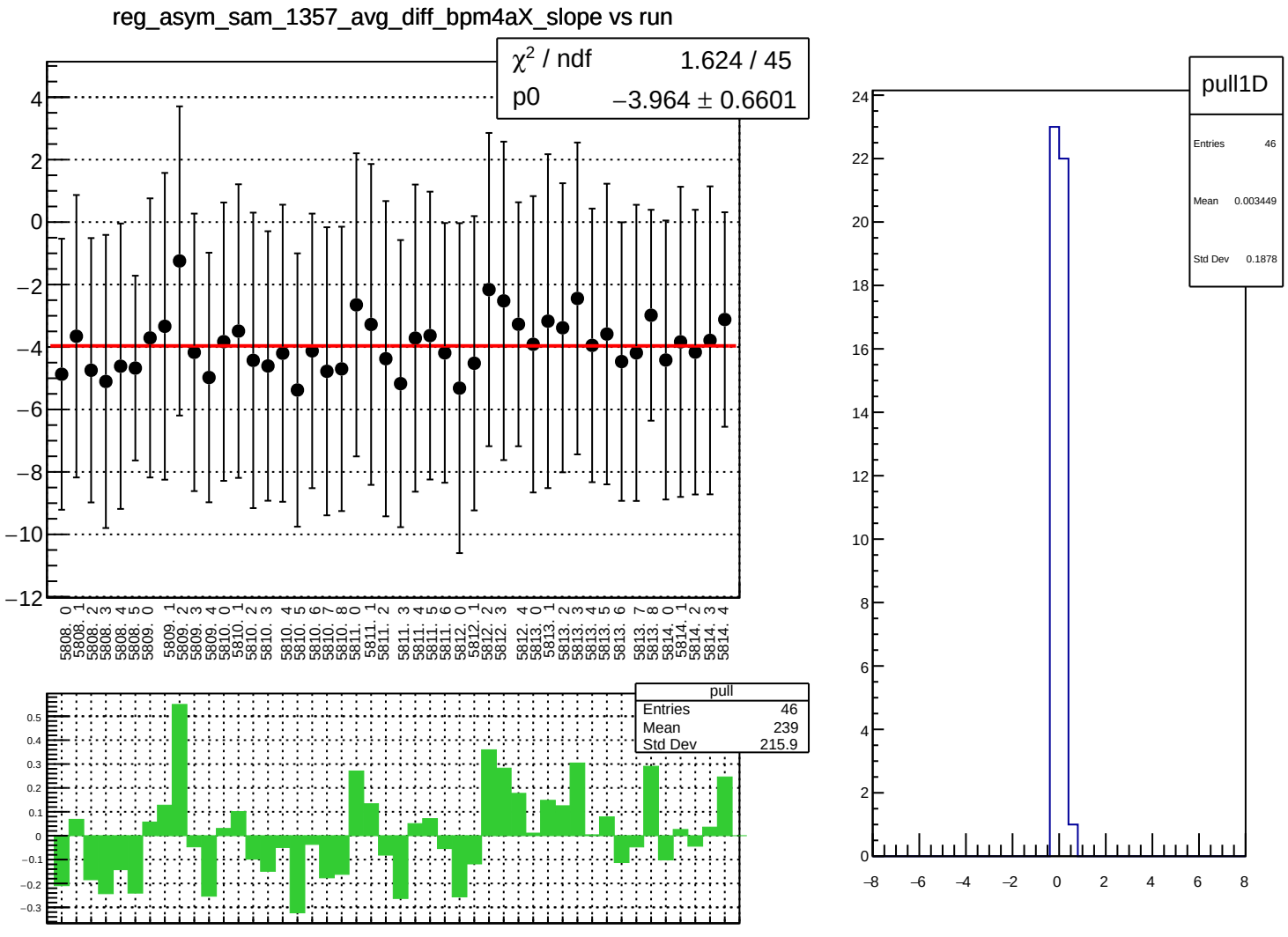

pull1D
Entries 46
Mean −0.001345
Std Dev 0.1459

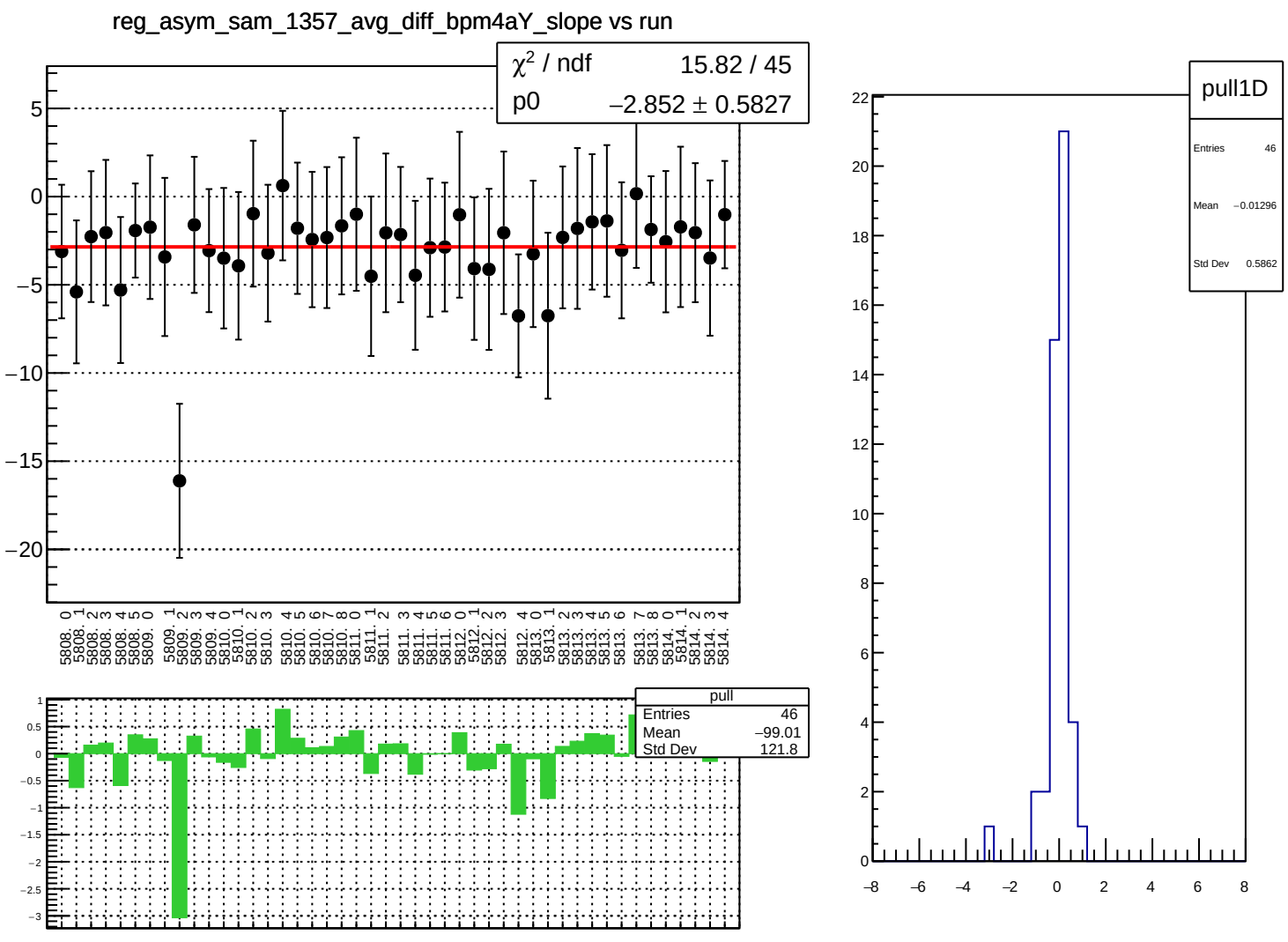

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.276 / 45
p0 −103.5 ± 1.967
−80
−90
−100
−110
−120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −255.7
Std Dev 278.3
0.6
0.4
0.2
0
−0.2
−0.4

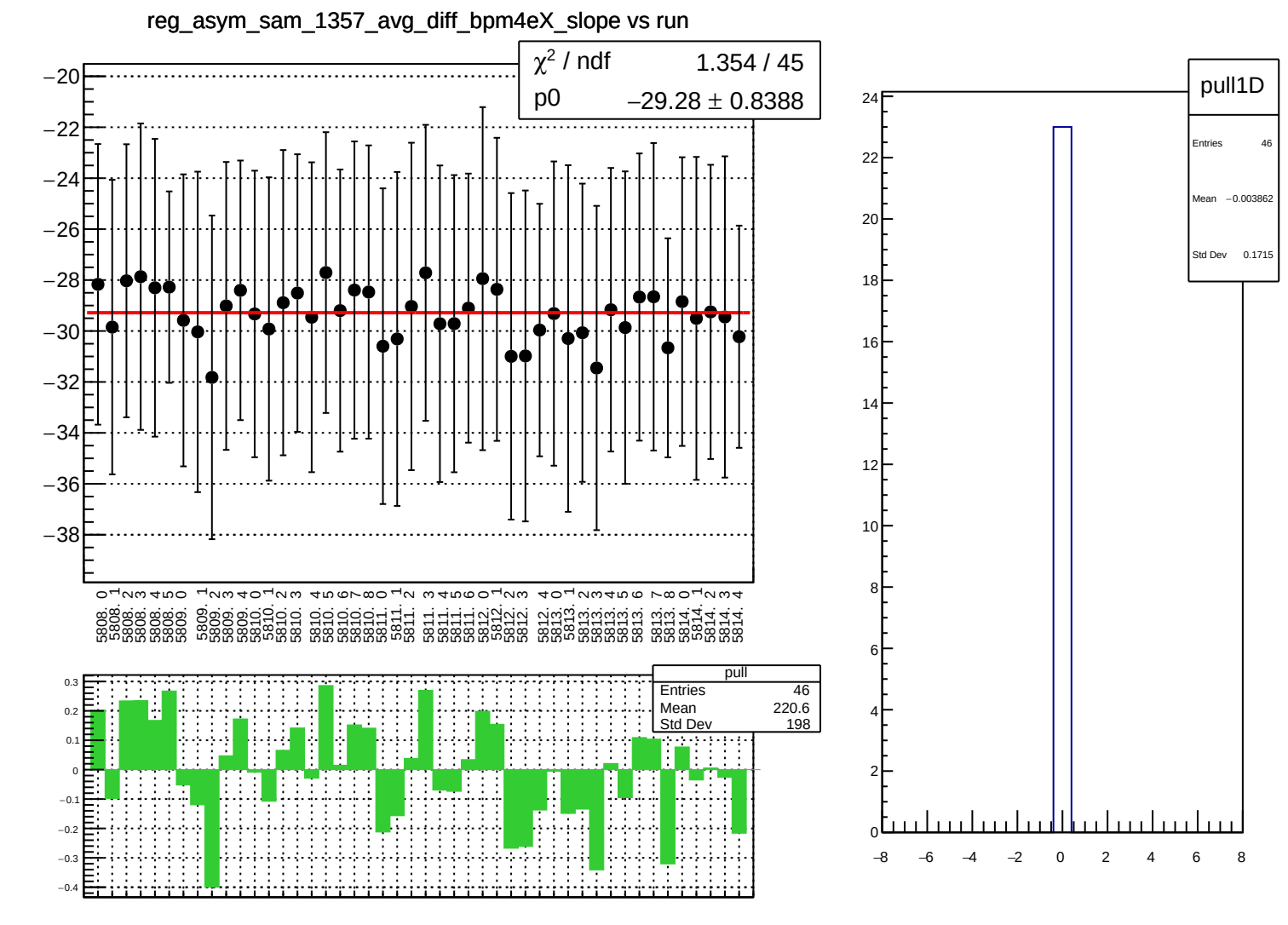

pull1D
Entries 46
Mean 0.004575
Std Dev 0.2668
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

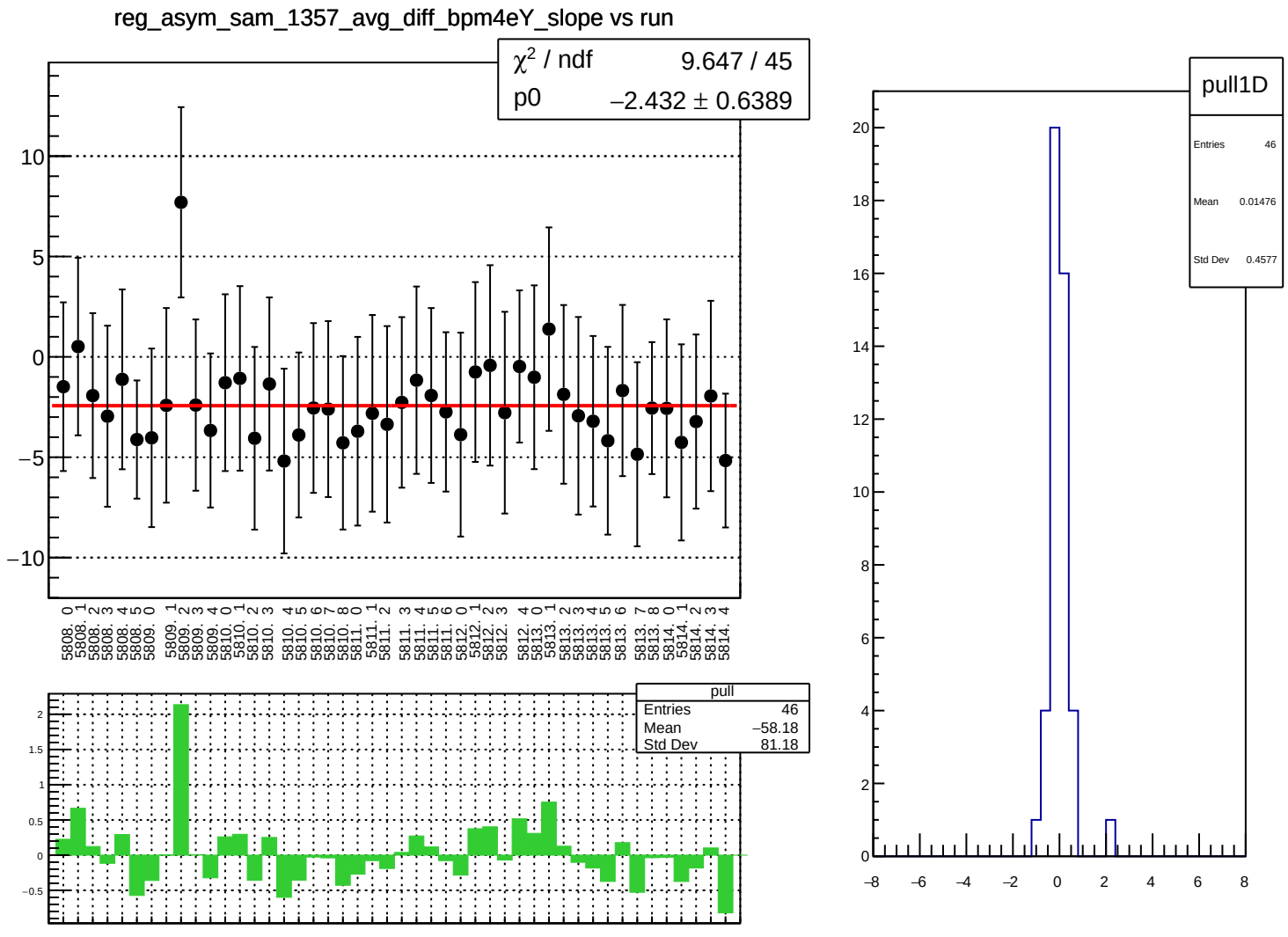

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.242 / 45
p0 −0.8772 ± 0.1174
pull
Entries 46
Mean −222.2
Std Dev 246.2

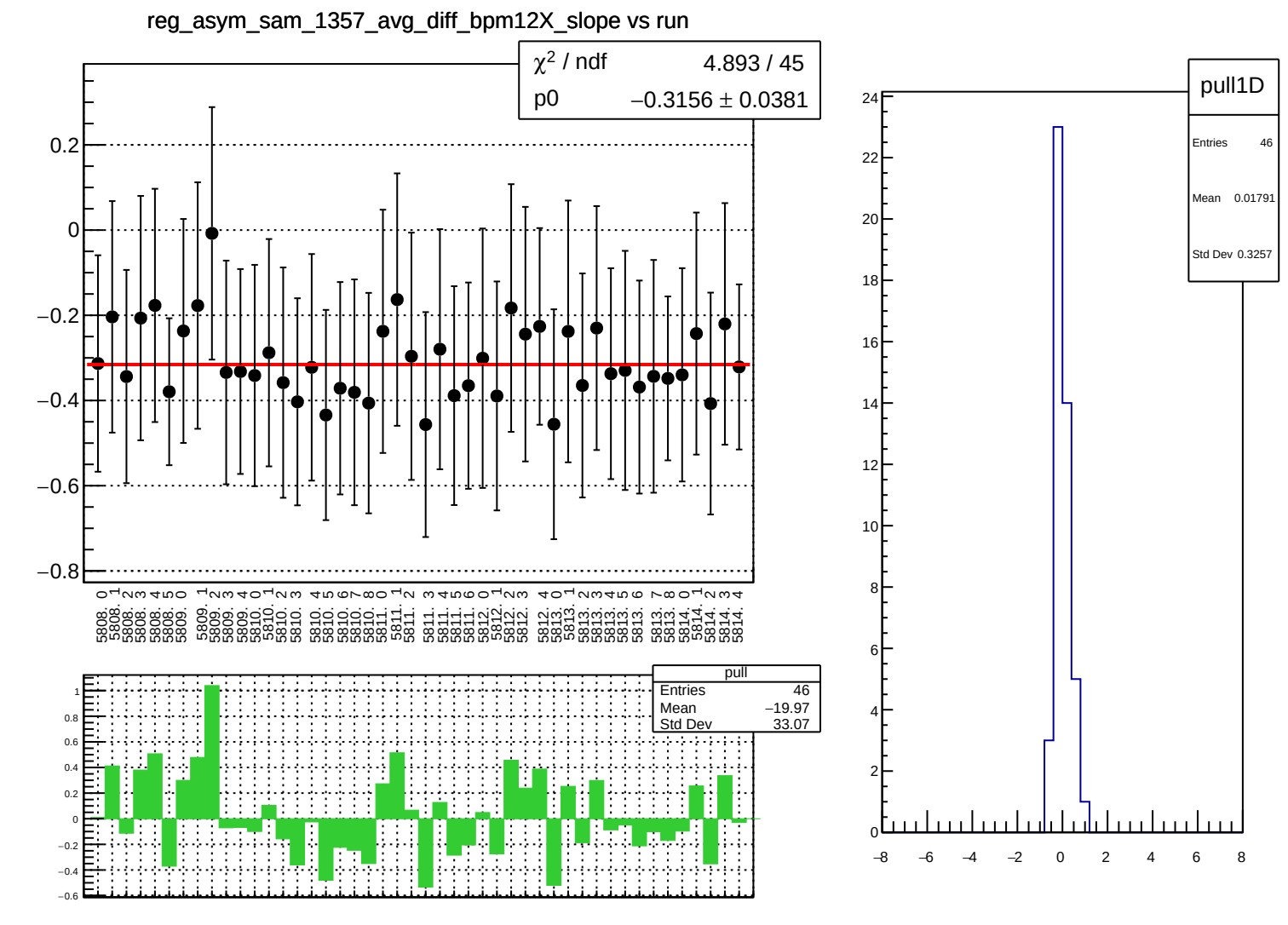

pull1D
Entries 46
Mean 0.007989
Std Dev 0.2206

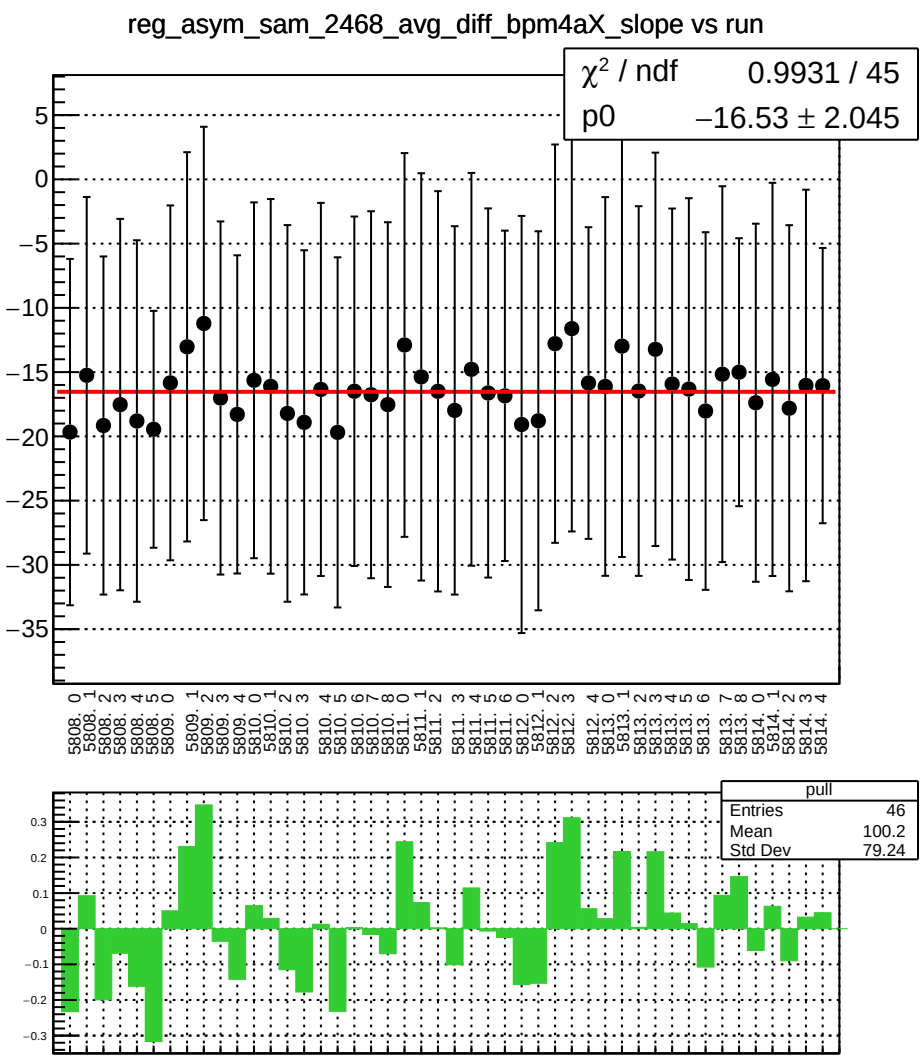

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.624 / 45
p0 −3.964 ± 0.6601
pull
Entries 46
Mean 239
Std Dev 215.9
pull1D
Entries 46
Mean 0.003449
Std Dev 0.1878

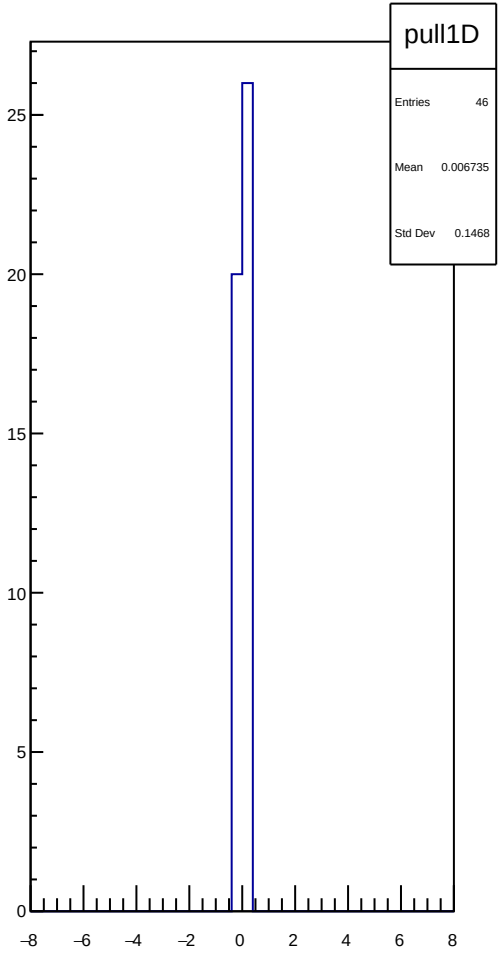

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.82 / 45
p0 −2.852 ± 0.5827
pull
Entries 46
Mean −99.01
Std Dev 121.8
pull1D
Entries 46
Mean −0.01296
Std Dev 0.5862

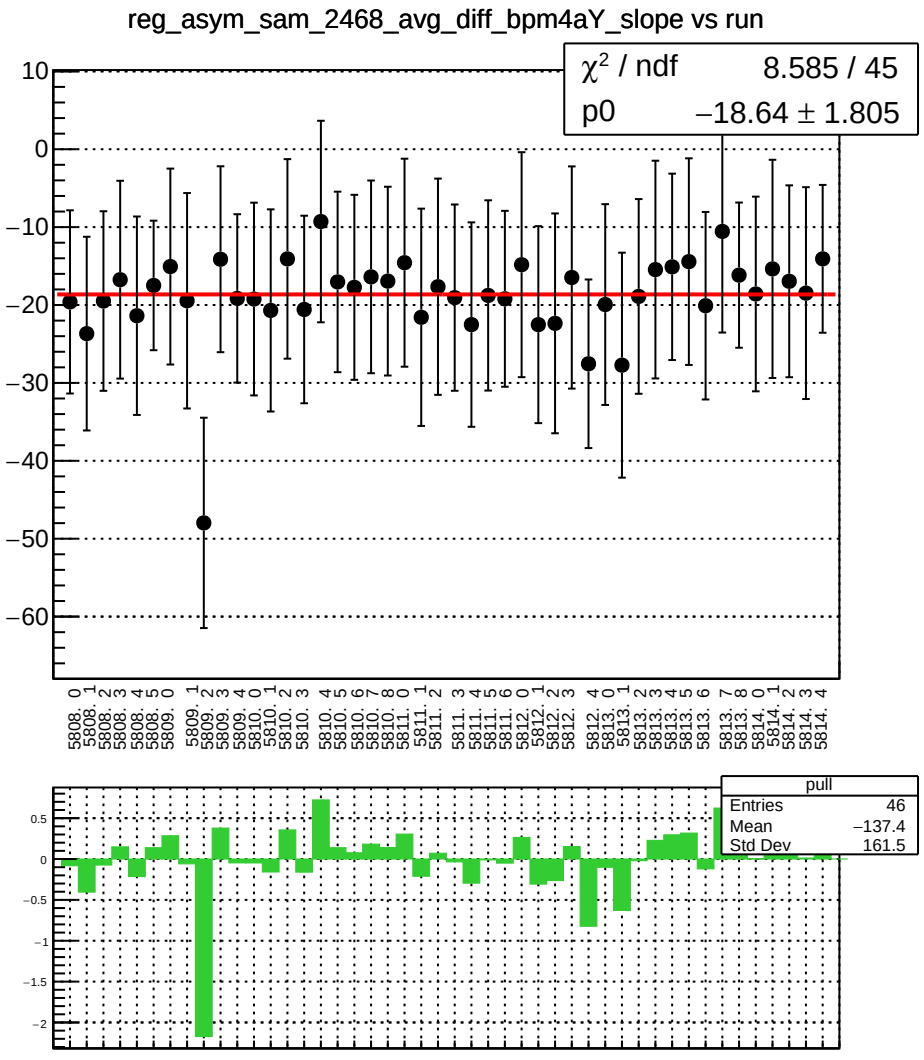

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.354 / 45
p0 −29.28 ± 0.8388
pull
Entries 46
Mean 220.6
Std Dev 198
pull1D
Entries 46
Mean −0.003862
Std Dev 0.1715

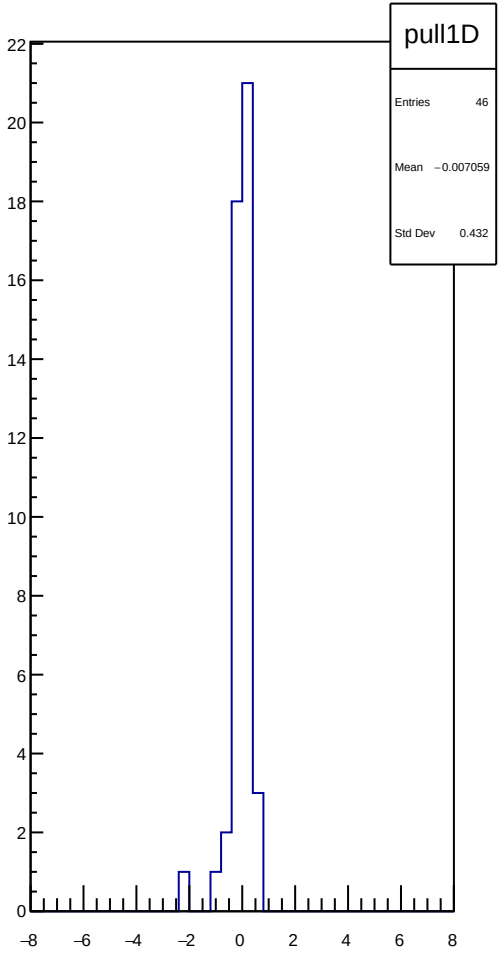

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.647 / 45
p0 −2.432 ± 0.6389
pull
Entries 46
Mean −58.18
Std Dev 81.18
pull1D
Entries 46
Mean 0.01476
Std Dev 0.4577

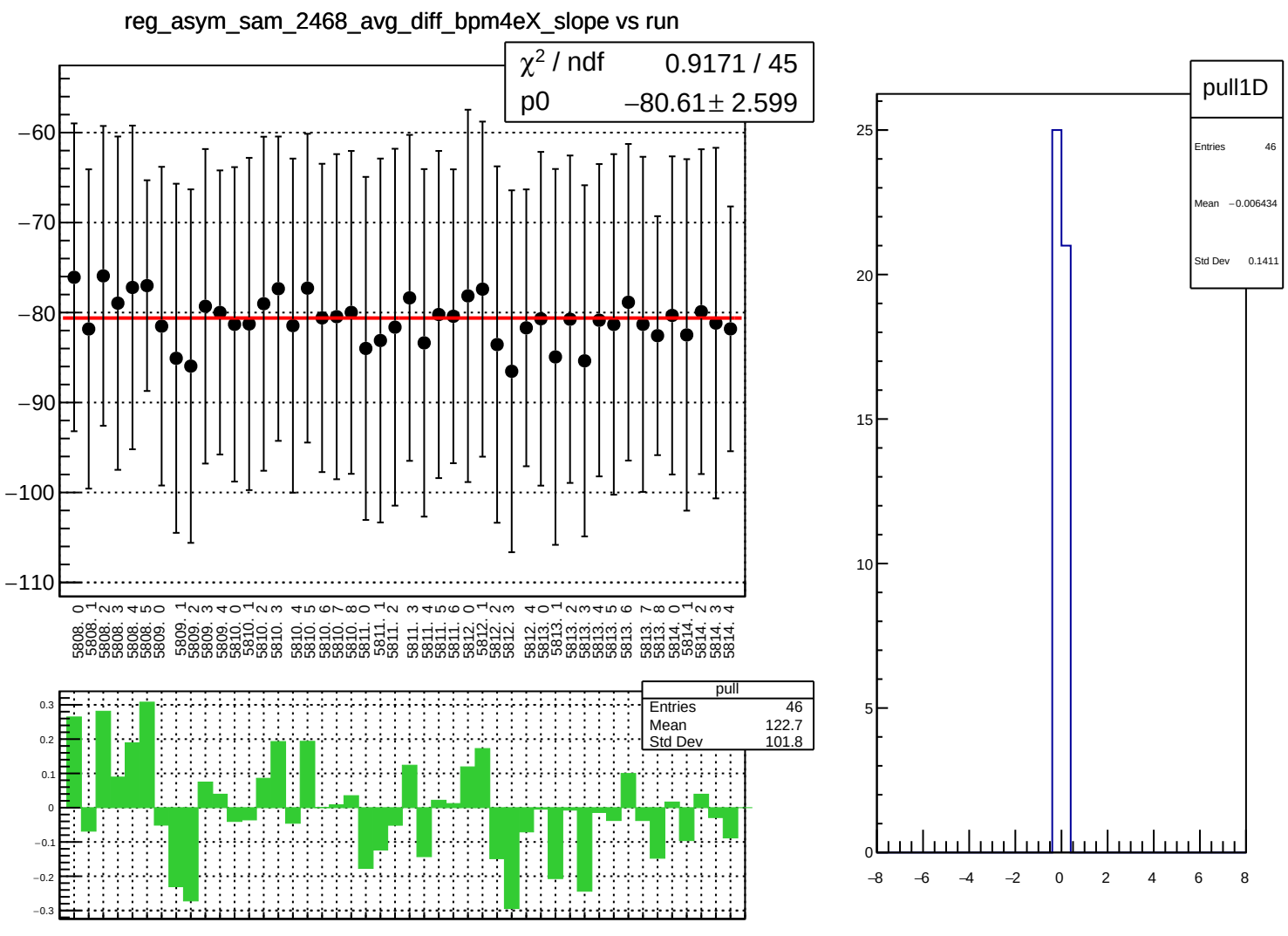

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 4.893 / 45
p0 −0.3156 ± 0.0381
pull
Entries 46
Mean −19.97
Std Dev 33.07
pull1D
Entries 46
Mean 0.01791
Std Dev 0.3257

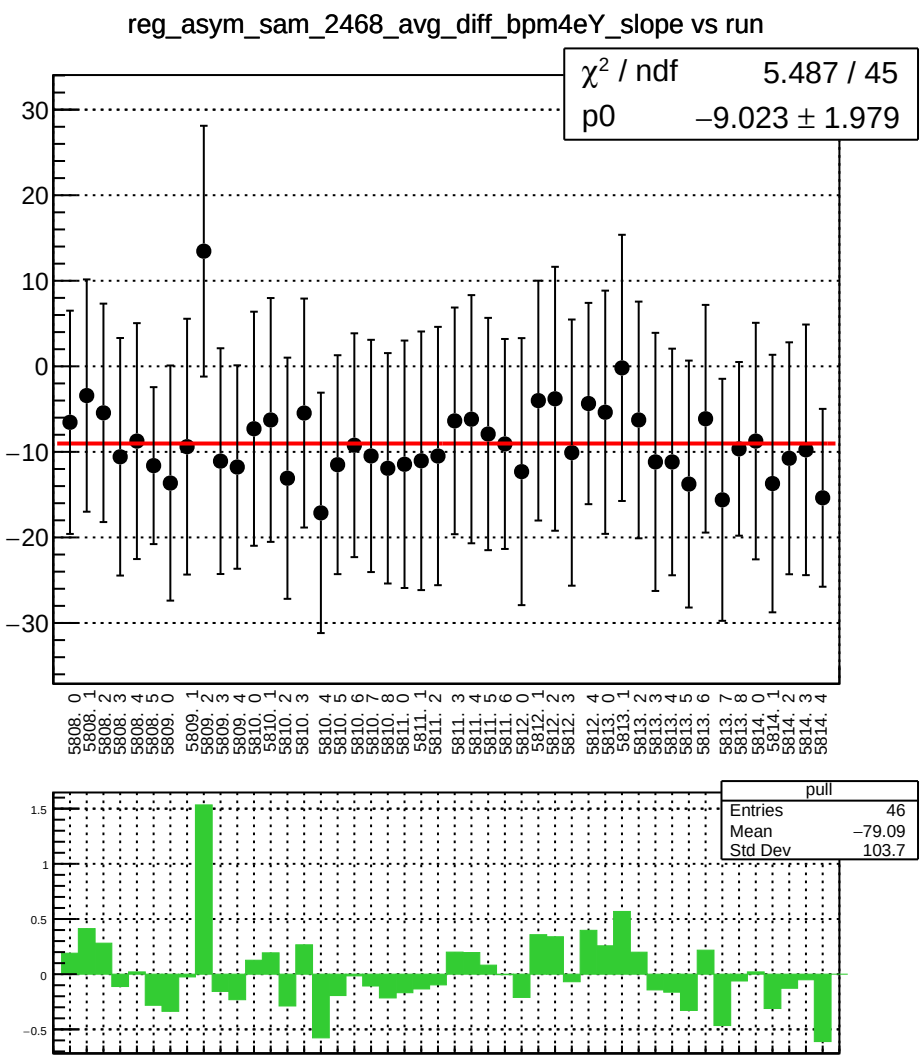

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.9931 / 45
p0 −16.53 ± 2.045
pull
Entries 46
Mean 100.2
Std Dev 79.24

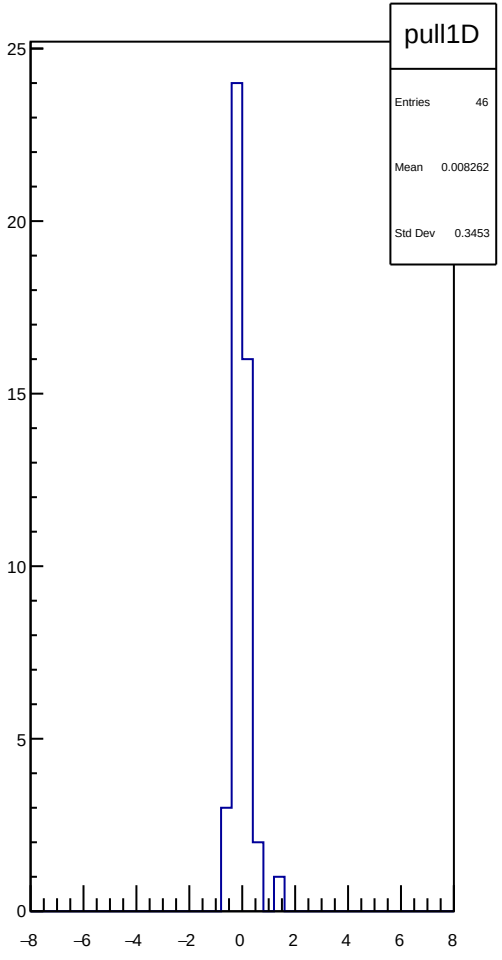

pull1D
Entries 46
Mean 0.006735
Std Dev 0.1468

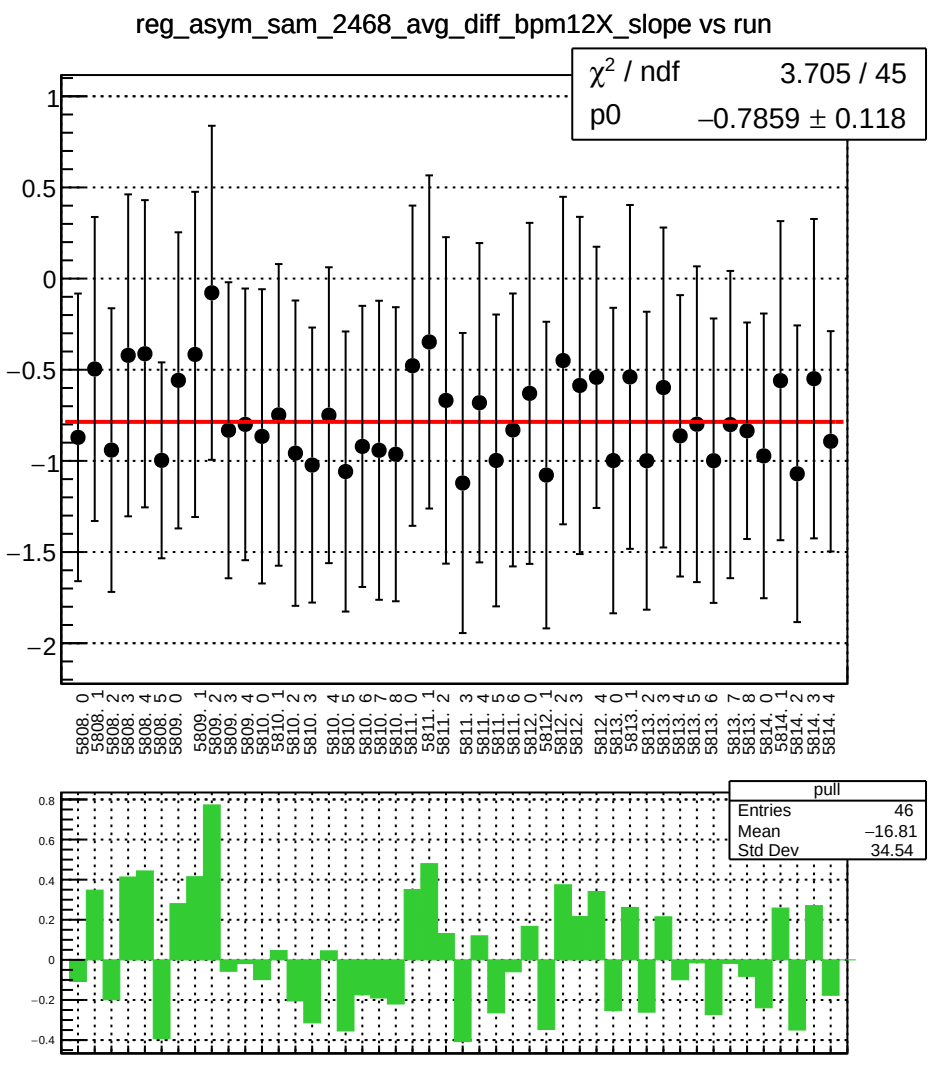

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.585 / 45
p0 −18.64 ± 1.805
pull
Entries 46
Mean −137.4
Std Dev 161.5

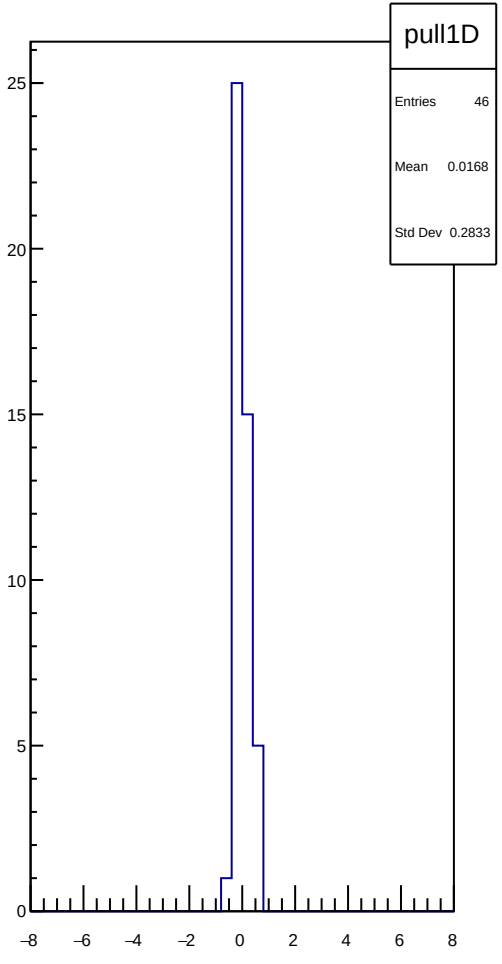

pull1D
Entries 46
Mean −0.007059
Std Dev 0.432

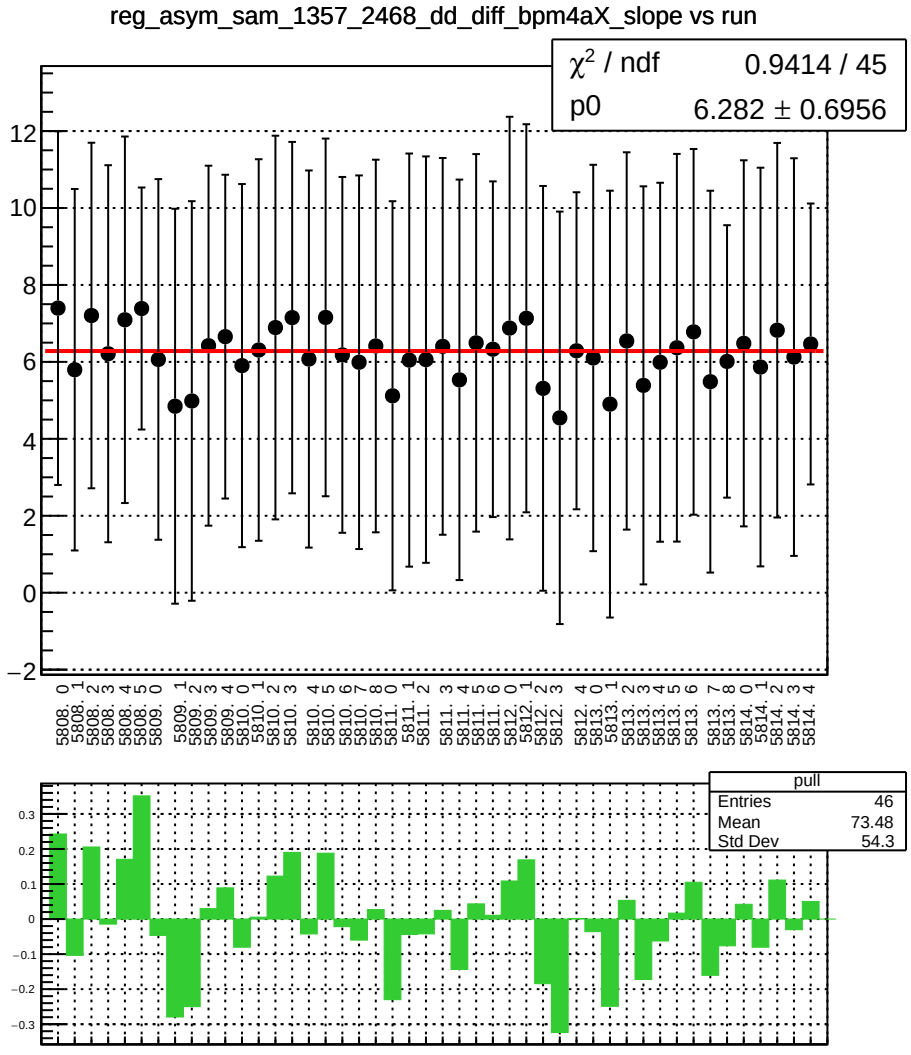

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.9171 / 45
p0 −80.61 ± 2.599
pull
Entries 46
Mean 122.7
Std Dev 101.8
pull1D
Entries 46
Mean −0.006434
Std Dev 0.1411

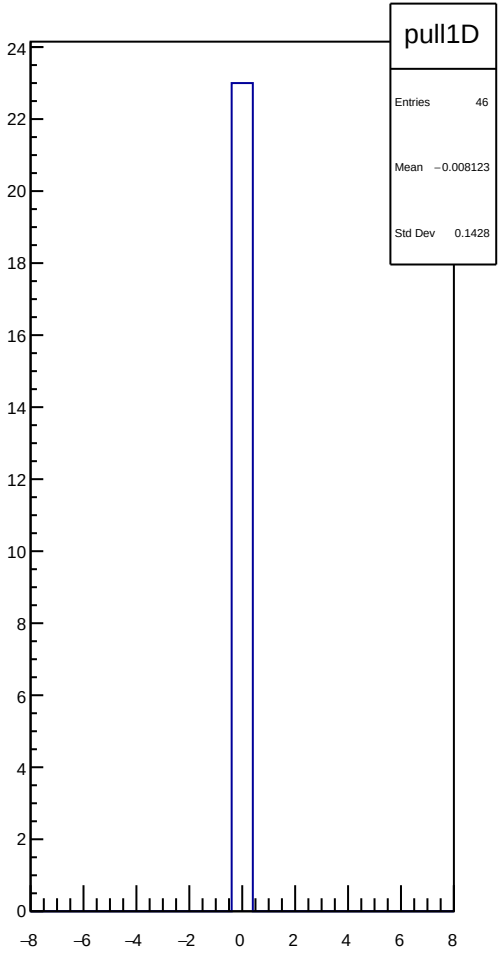

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.487 / 45
p0 −9.023 ± 1.979
pull
Entries 46
Mean −79.09
Std Dev 103.7

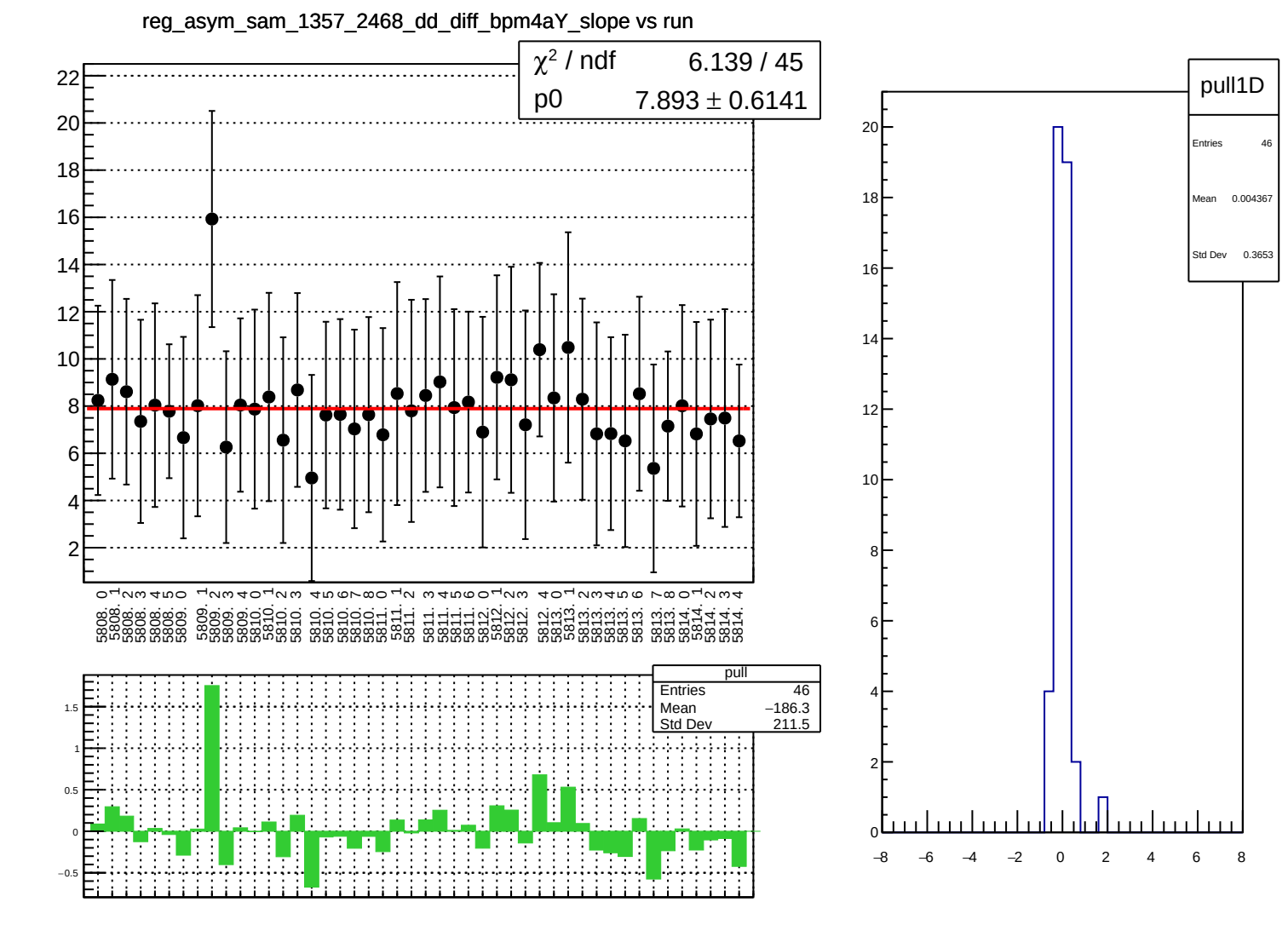

pull1D
Entries 46
Mean 0.008262
Std Dev 0.3453

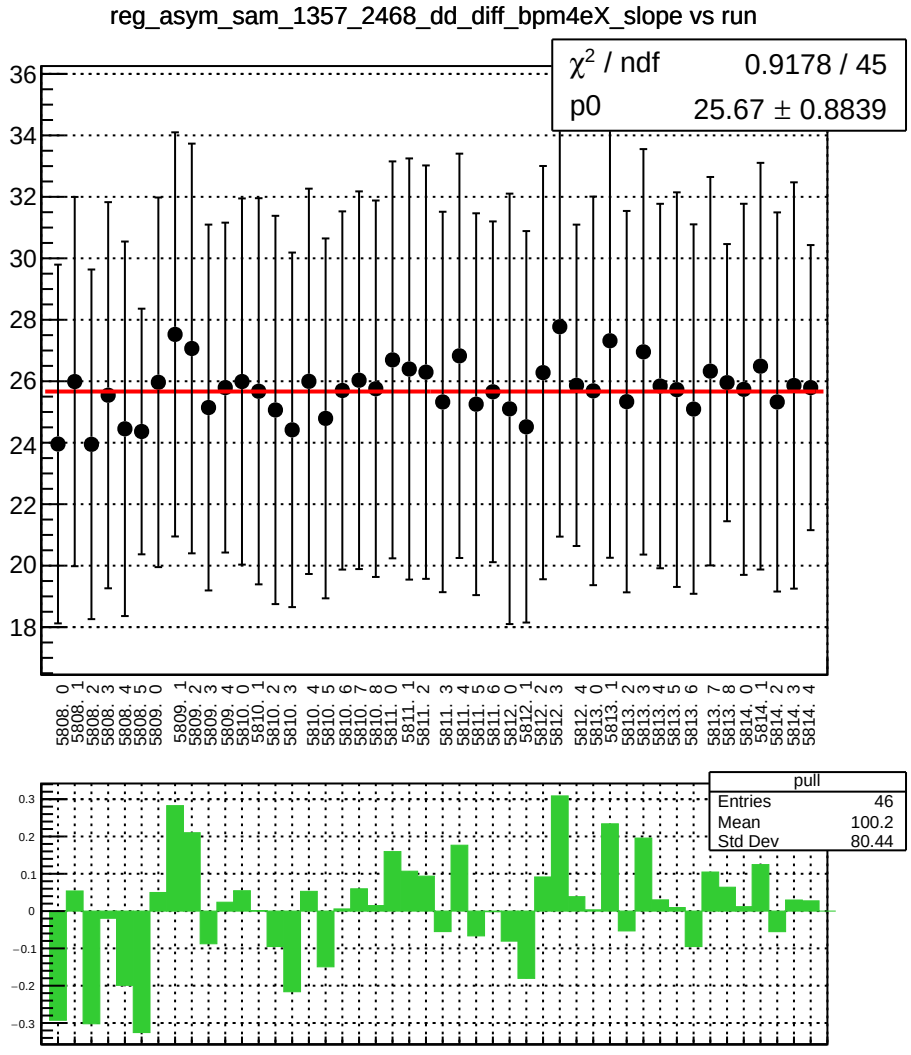

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.705 / 45
p0 −0.7859 ± 0.118
pull
Entries 46
Mean −16.81
Std Dev 34.54

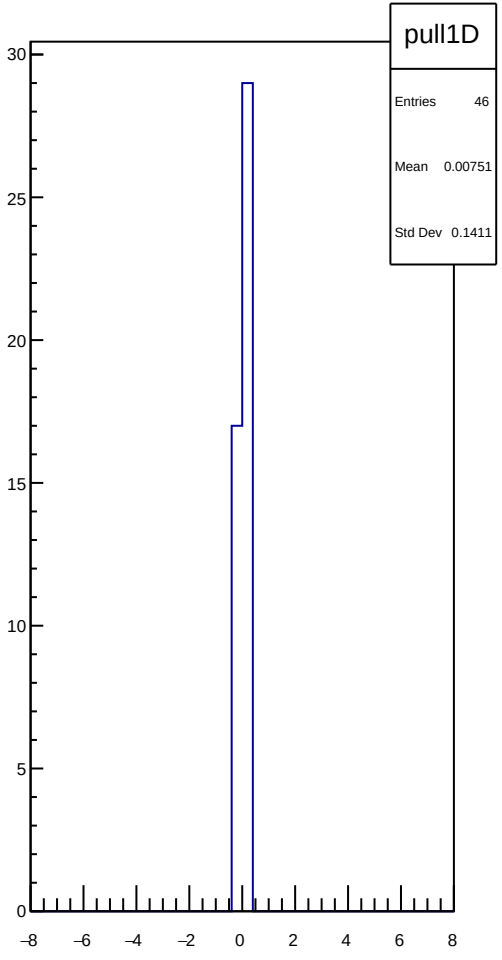

pull1D
Entries 46
Mean 0.0168
Std Dev 0.2833

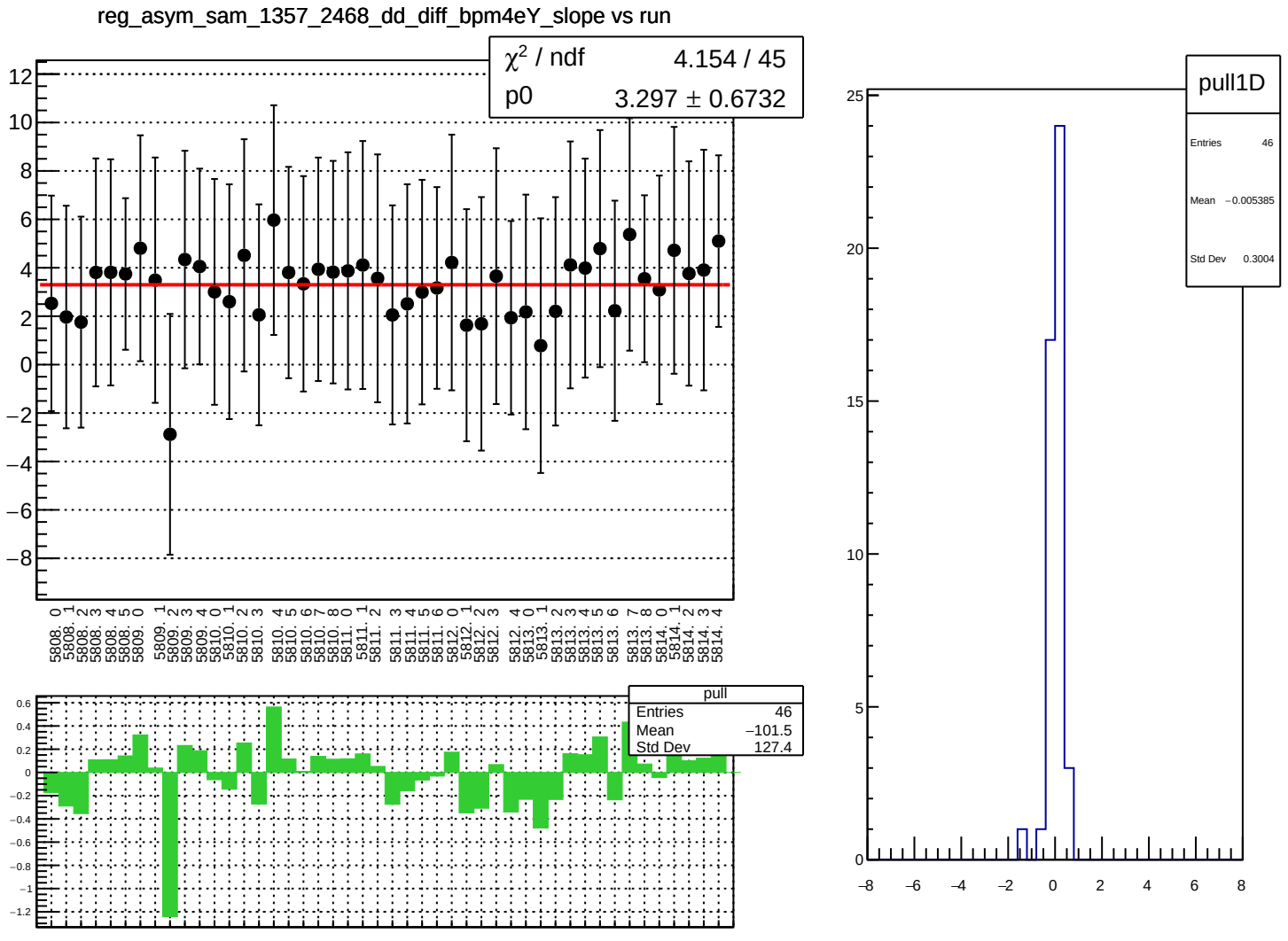

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.9414 / 45
p0 6.282 ± 0.6956
pull
Entries 46
Mean 73.48
Std Dev 54.3

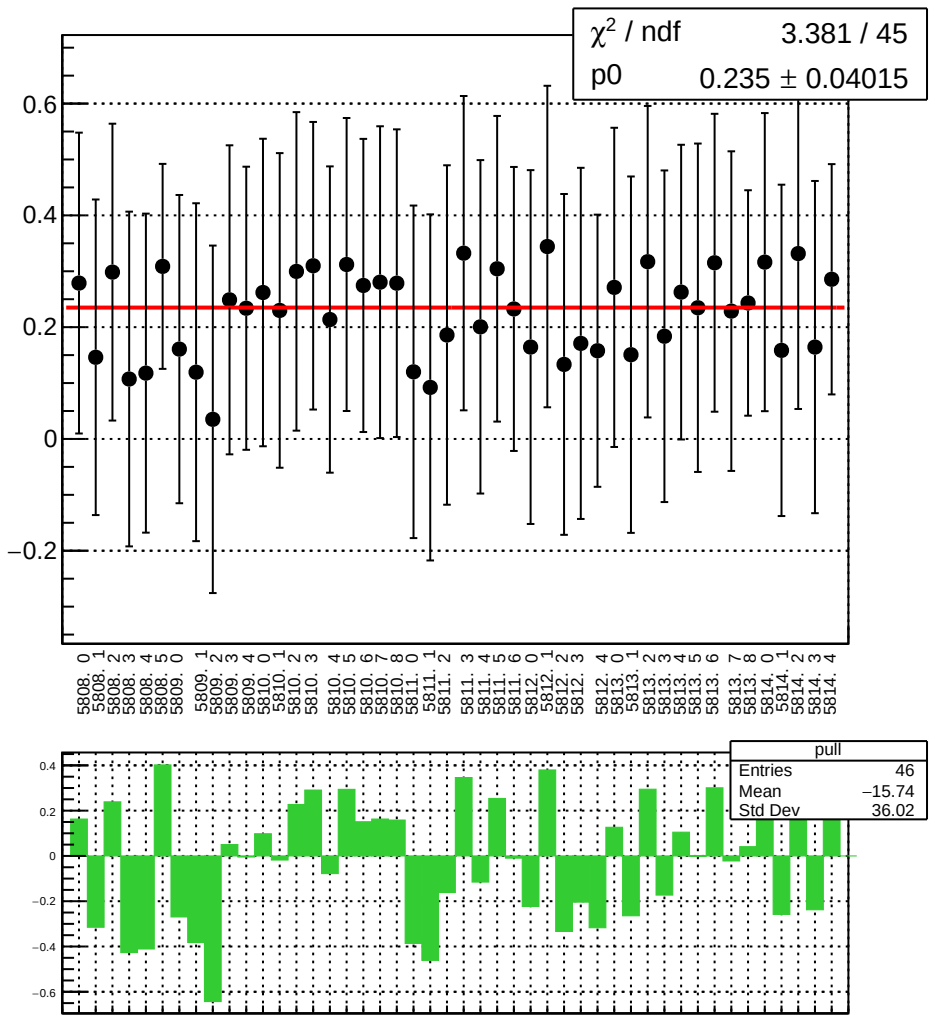

pull1D
Entries 46
Mean −0.008123
Std Dev 0.1428

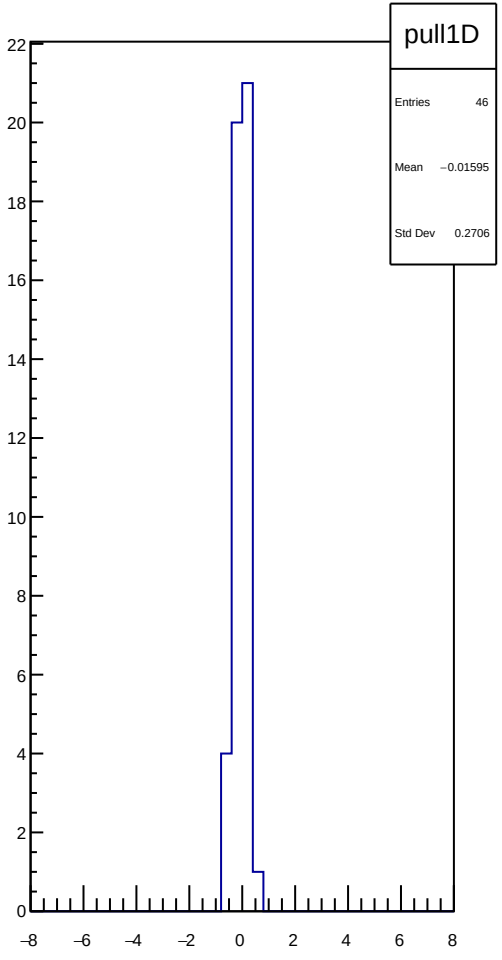

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.139 / 45
p0 7.893 ± 0.6141
pull
Entries 46
Mean −186.3
Std Dev 211.5
pull1D
Entries 46
Mean 0.004367
Std Dev 0.3653

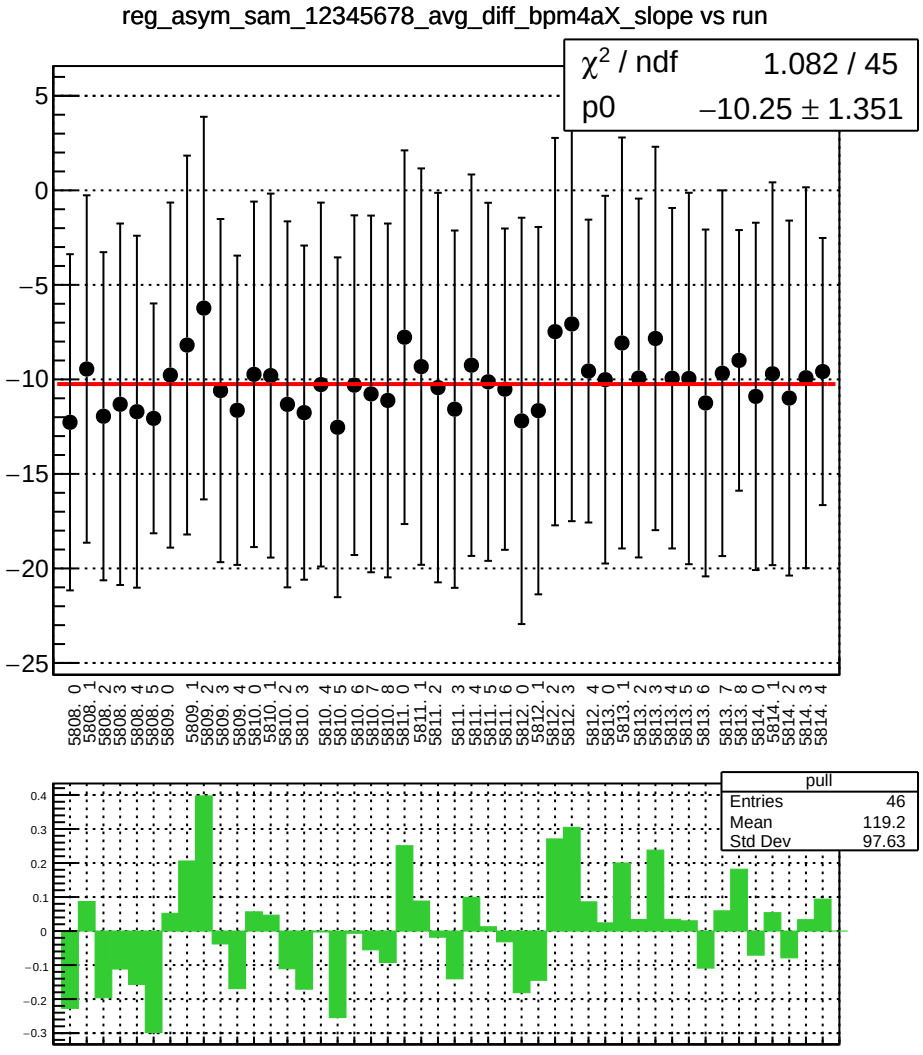

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9178 / 45
p0 25.67 ± 0.8839
pull
Entries 46
Mean 100.2
Std Dev 80.44

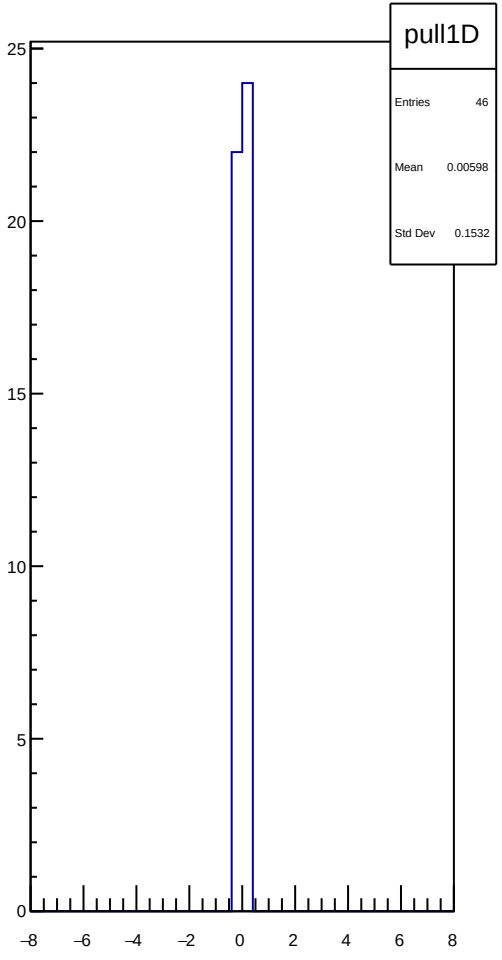

pull1D
Entries 46
Mean 0.00751
Std Dev 0.1411

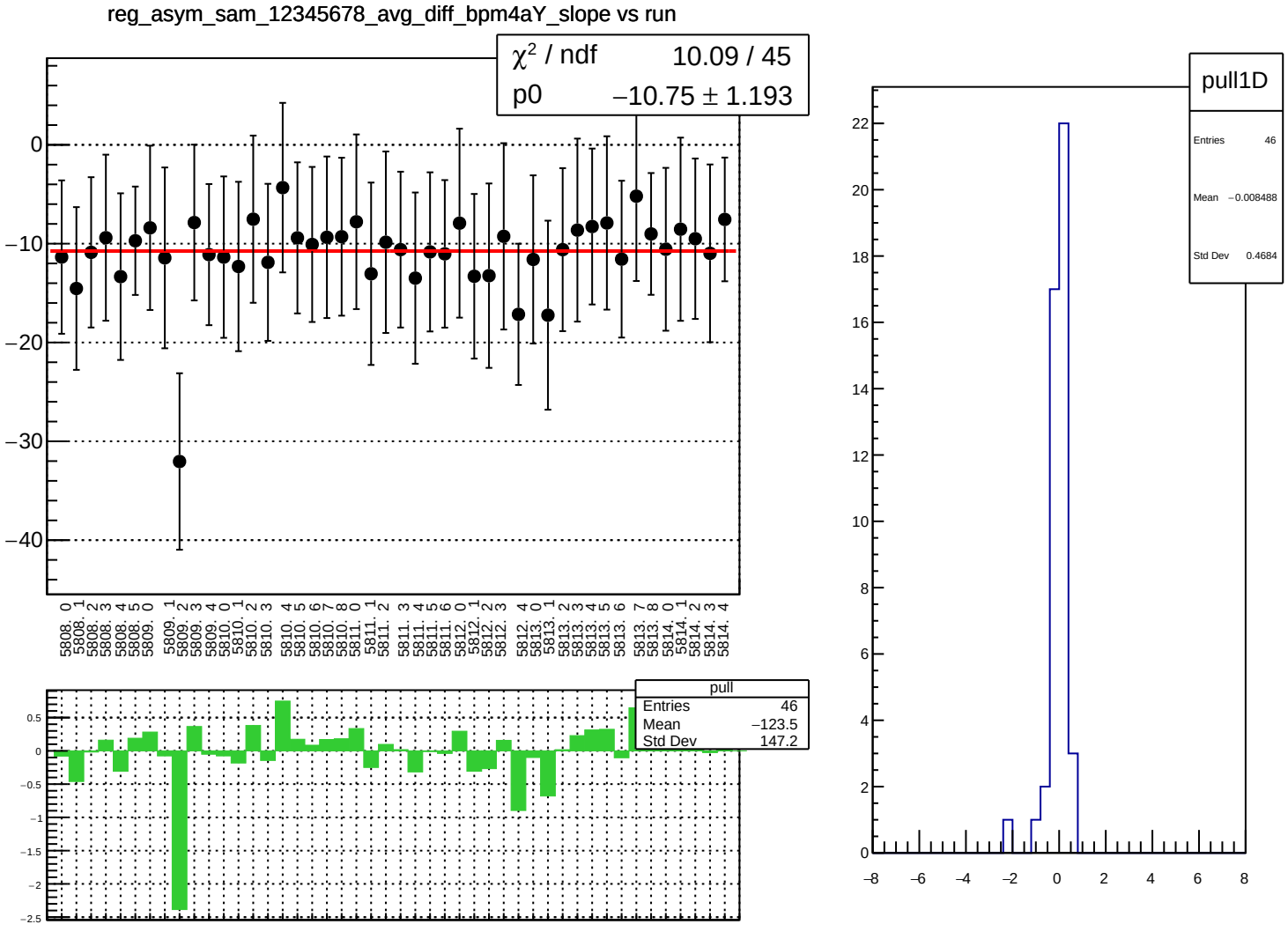

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.154 / 45
p0 3.297 ± 0.6732
pull
Entries 46
Mean −101.5
Std Dev 127.4
pull1D
Entries 46
Mean −0.005385
Std Dev 0.3004

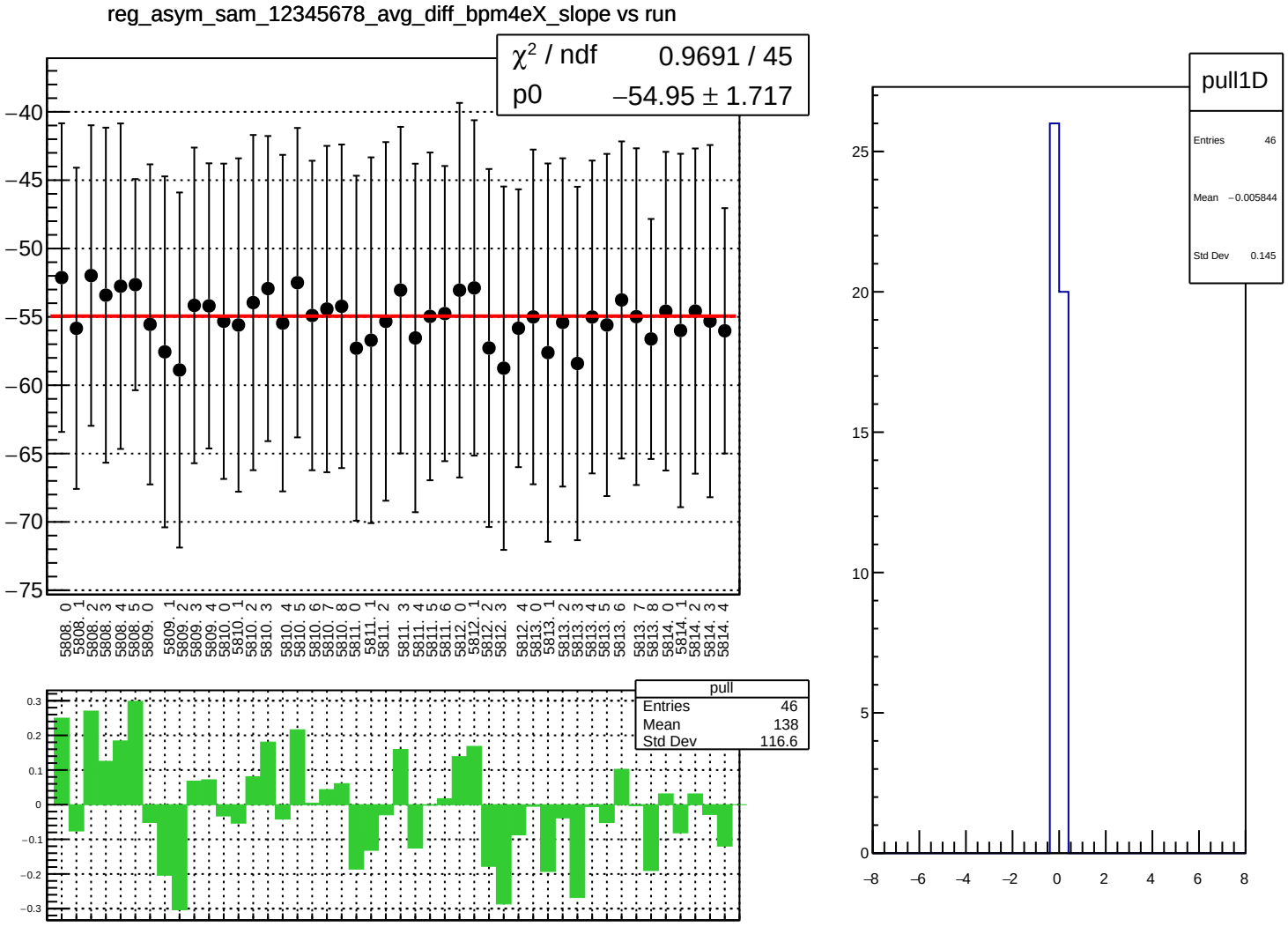

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.381 / 45
p0 0.235 ± 0.04015
pull
Entries 46
Mean −15.74
Std Dev 36.02

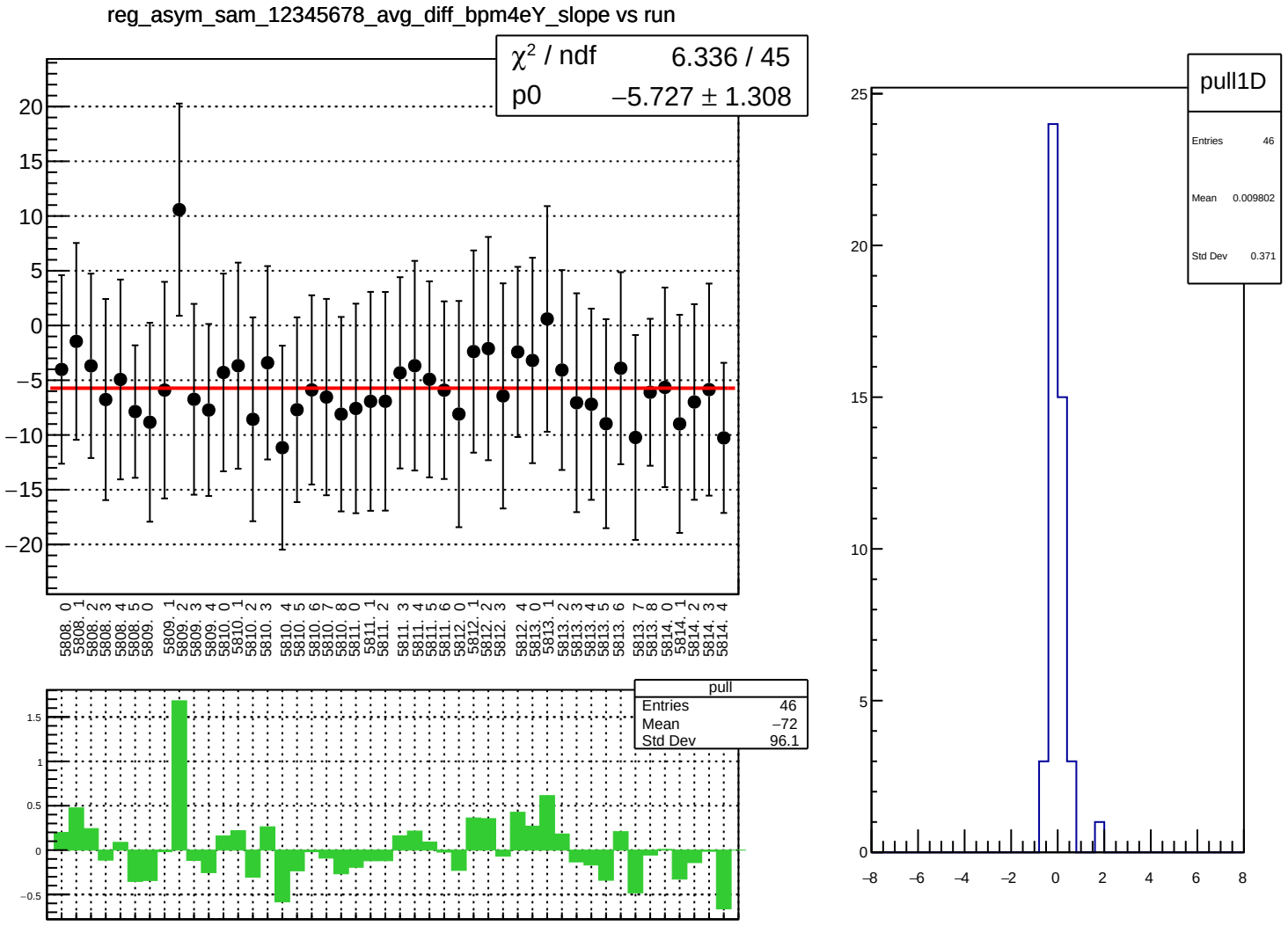

pull1D
Entries 46
Mean −0.01595
Std Dev 0.2706

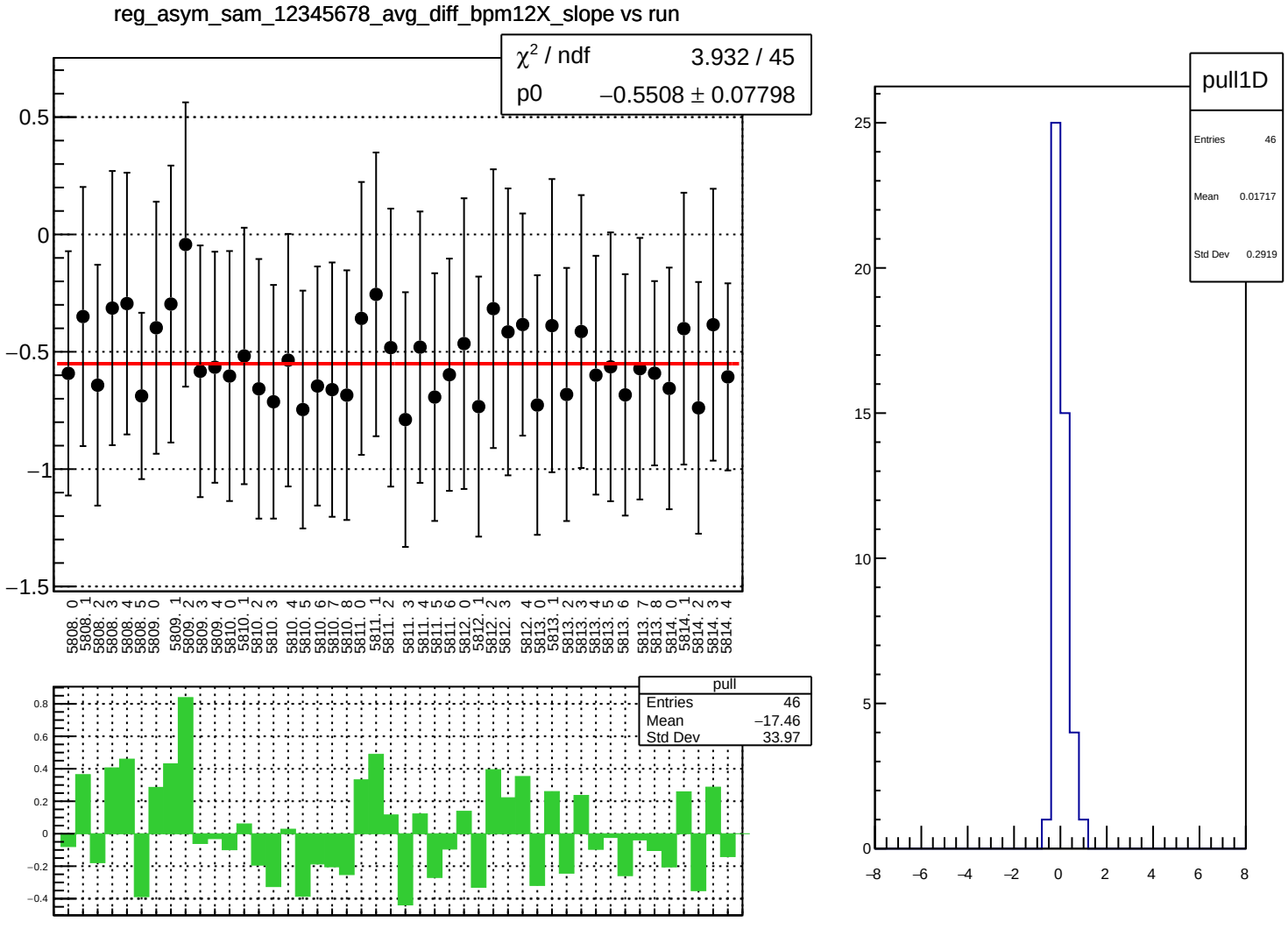

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.082 / 45
p0 −10.25 ± 1.351
pull
Entries 46
Mean 119.2
Std Dev 97.63

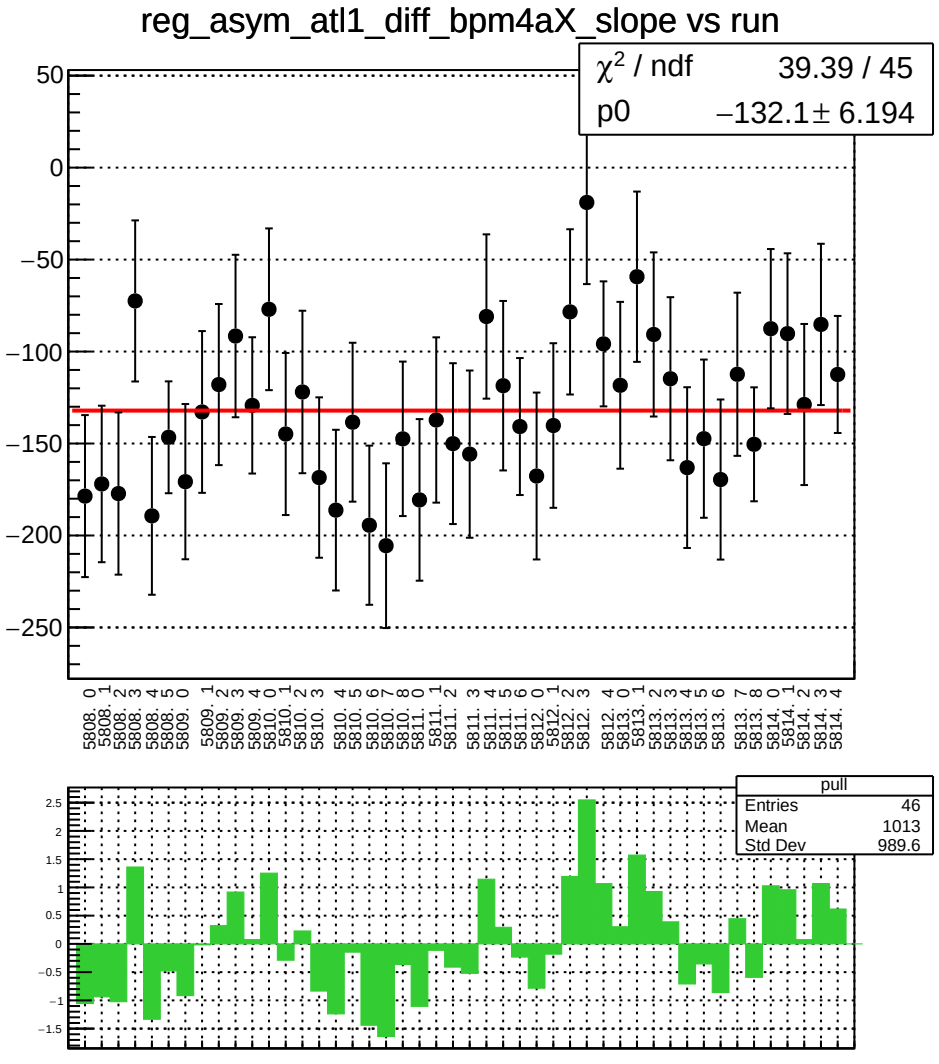

pull1D
Entries 46
Mean 0.00598
Std Dev 0.1532

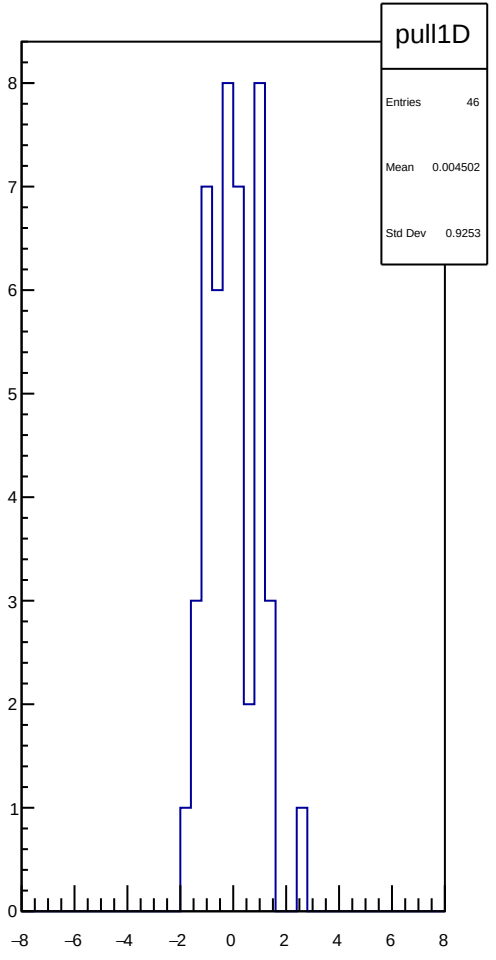

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.09 / 45
p0 −10.75 ± 1.193
pull
Entries 46
Mean −123.5
Std Dev 147.2
pull1D
Entries 46
Mean −0.008488
Std Dev 0.4684

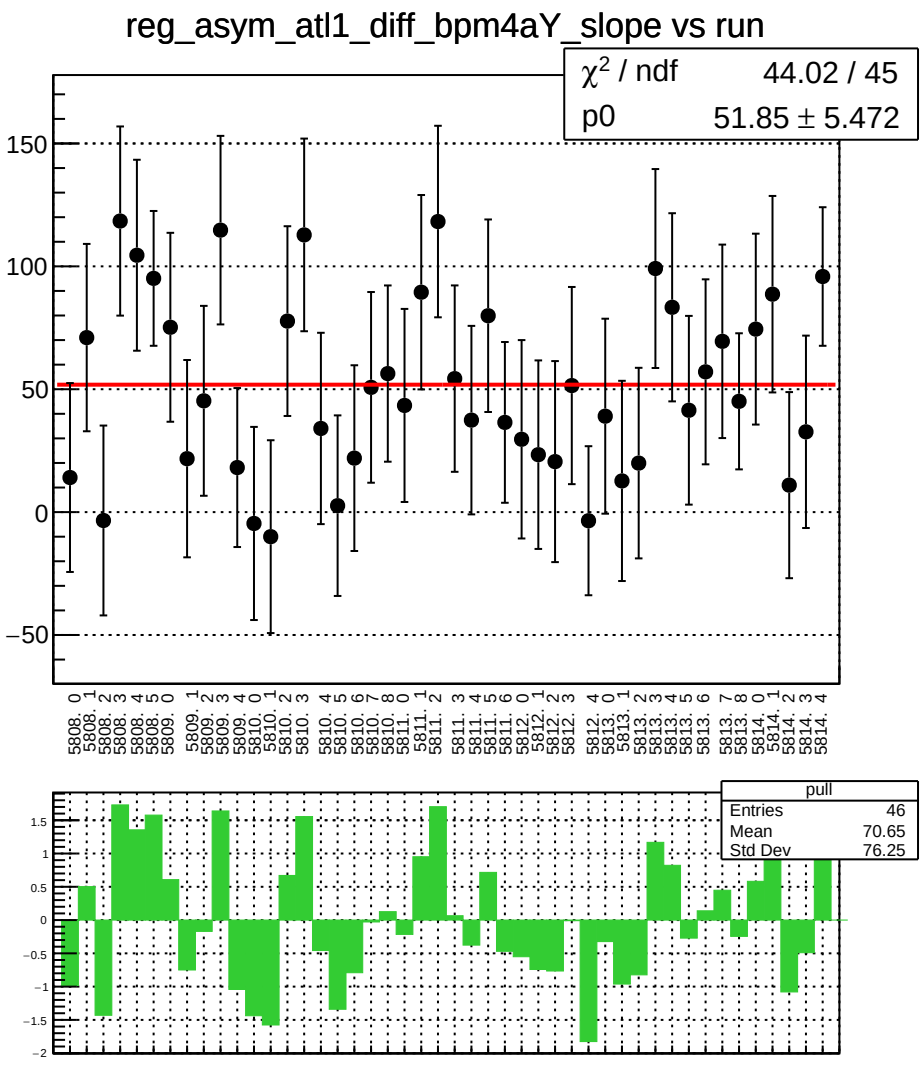

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.9691 / 45
p0 −54.95 ± 1.717
−40
−45
−50
−55
−60
−65
−70
−75
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 138
Std Dev 116.6
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 46
Mean −0.005844
Std Dev 0.145
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

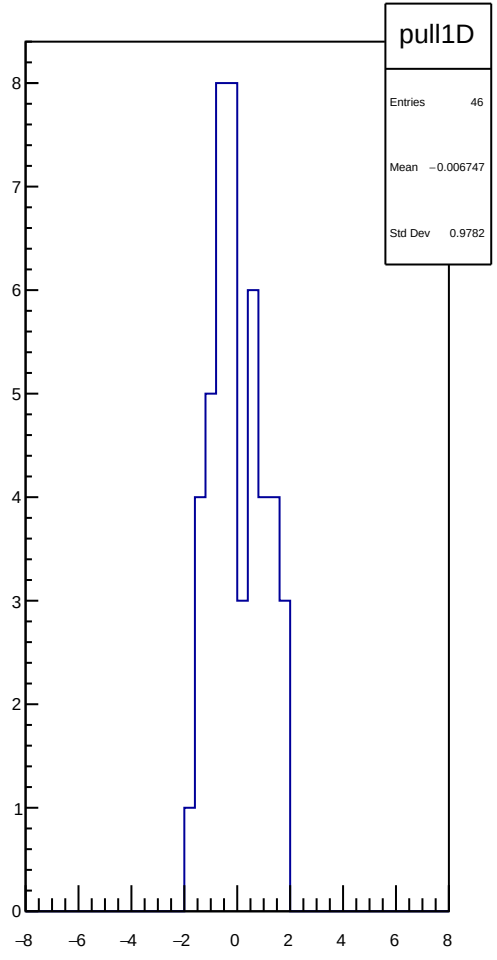

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.336 / 45
p0 −5.727 ± 1.308
pull
Entries 46
Mean −72
Std Dev 96.1
pull1D
Entries 46
Mean 0.009802
Std Dev 0.371

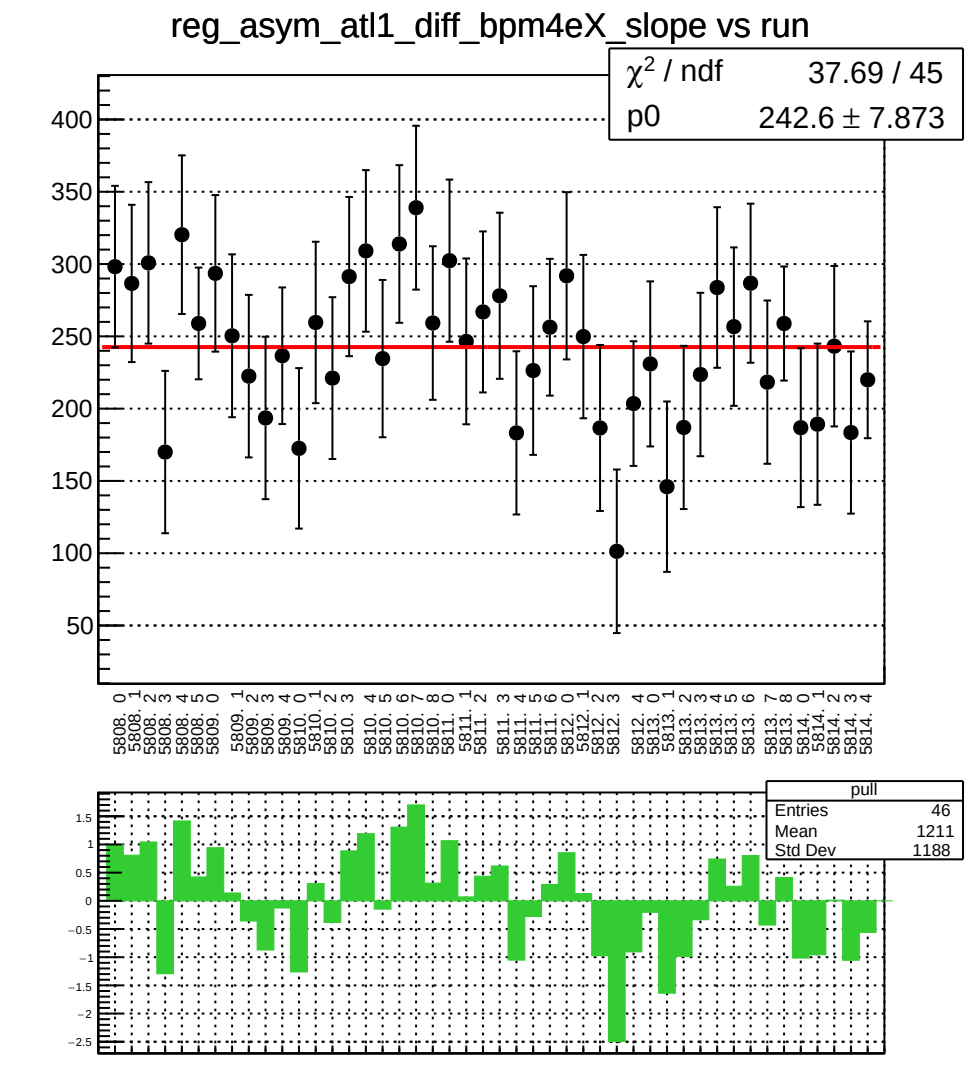

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.932 / 45
p0 −0.5508 ± 0.07798
pull
Entries 46
Mean −17.46
Std Dev 33.97
pull1D
Entries 46
Mean 0.01717
Std Dev 0.2919

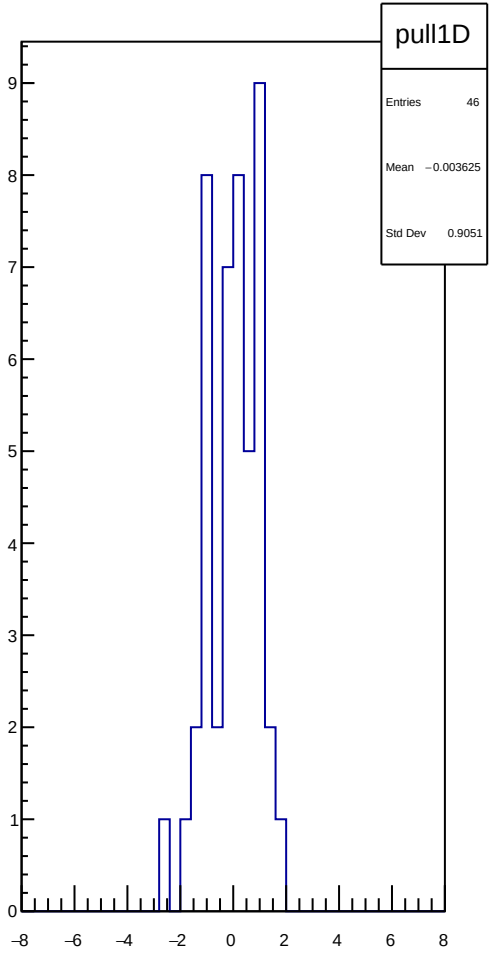

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 39.39 / 45
p0 −132.1± 6.194
pull
Entries 46
Mean 1013
Std Dev 989.6

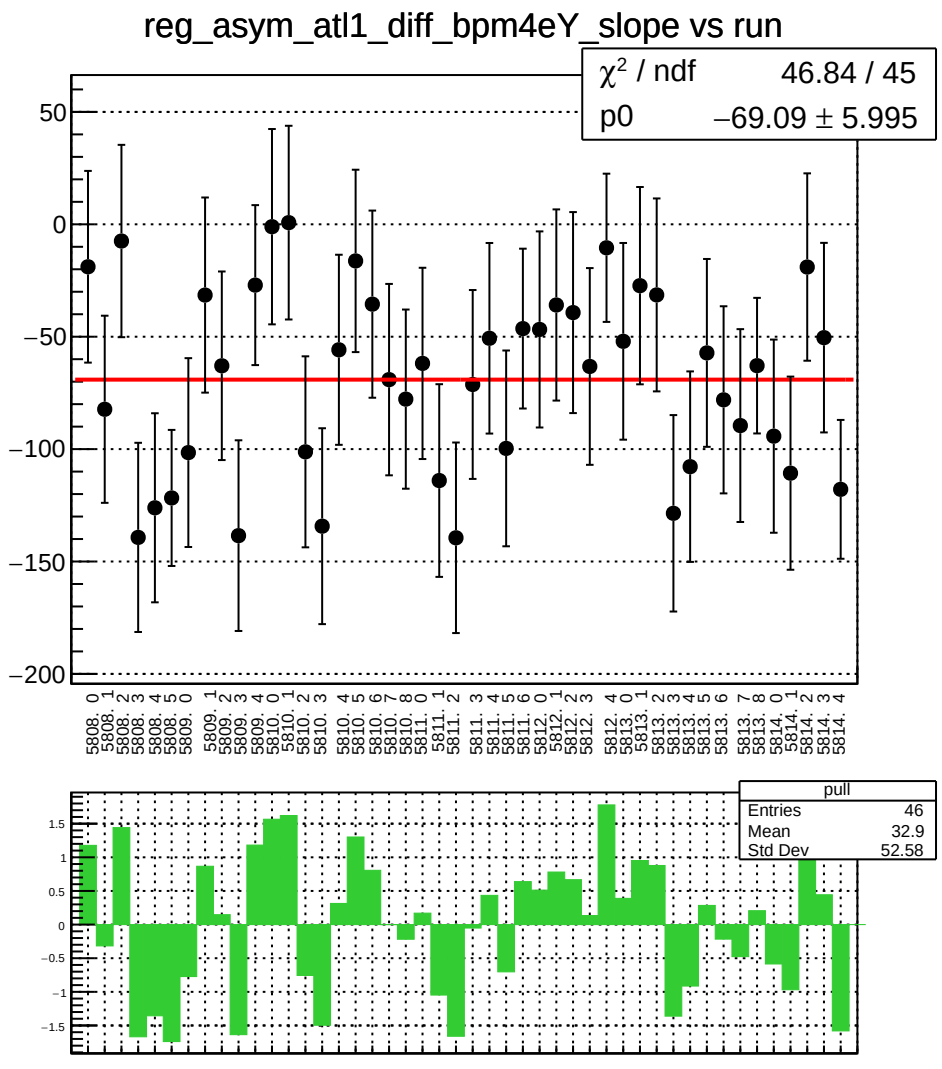

pull1D
Entries 46
Mean 0.004502
Std Dev 0.9253

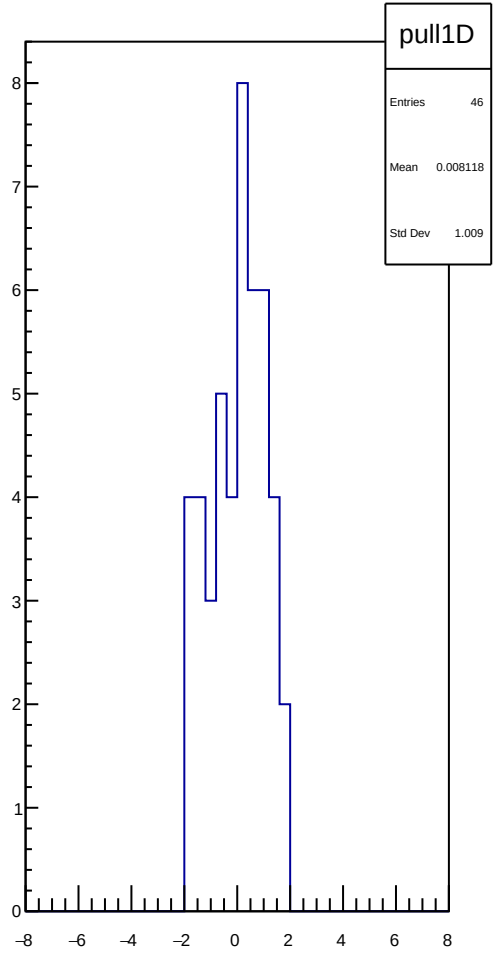

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 44.02 / 45
p0 51.85 ± 5.472
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 70.65
Std Dev 76.25
1.5
1
0.5
0
−0.5
−1
−1.5
−2

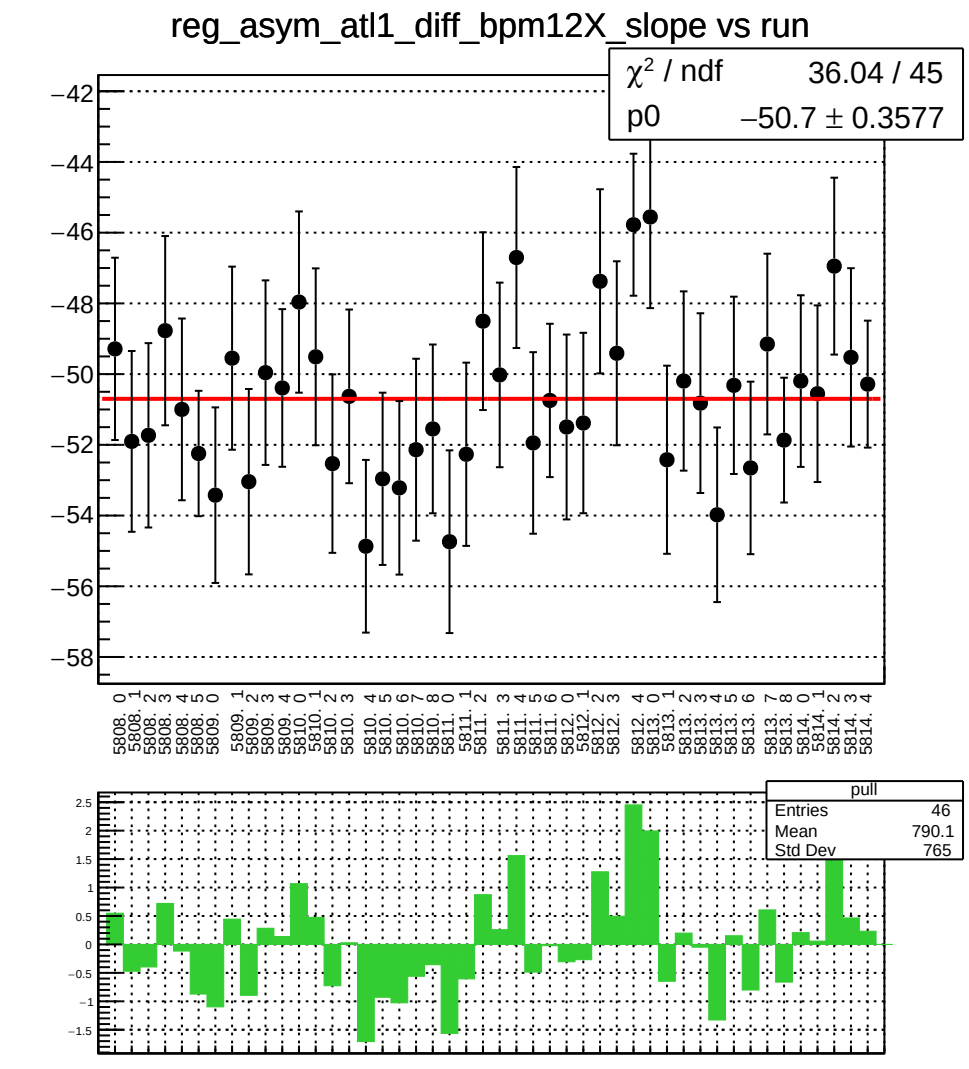

pull1D
Entries 46
Mean −0.006747
Std Dev 0.9782
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

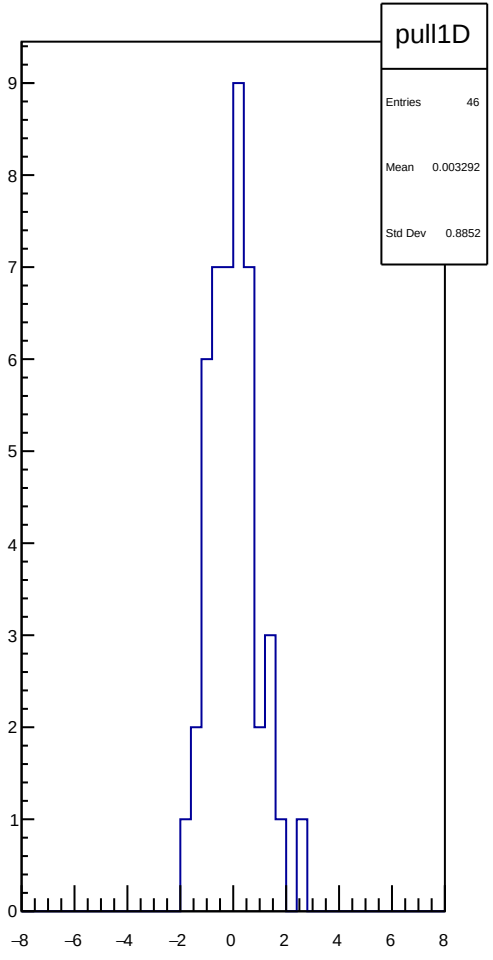

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 37.69 / 45
p0 242.6 ± 7.873
pull
Entries 46
Mean 1211
Std Dev 1188

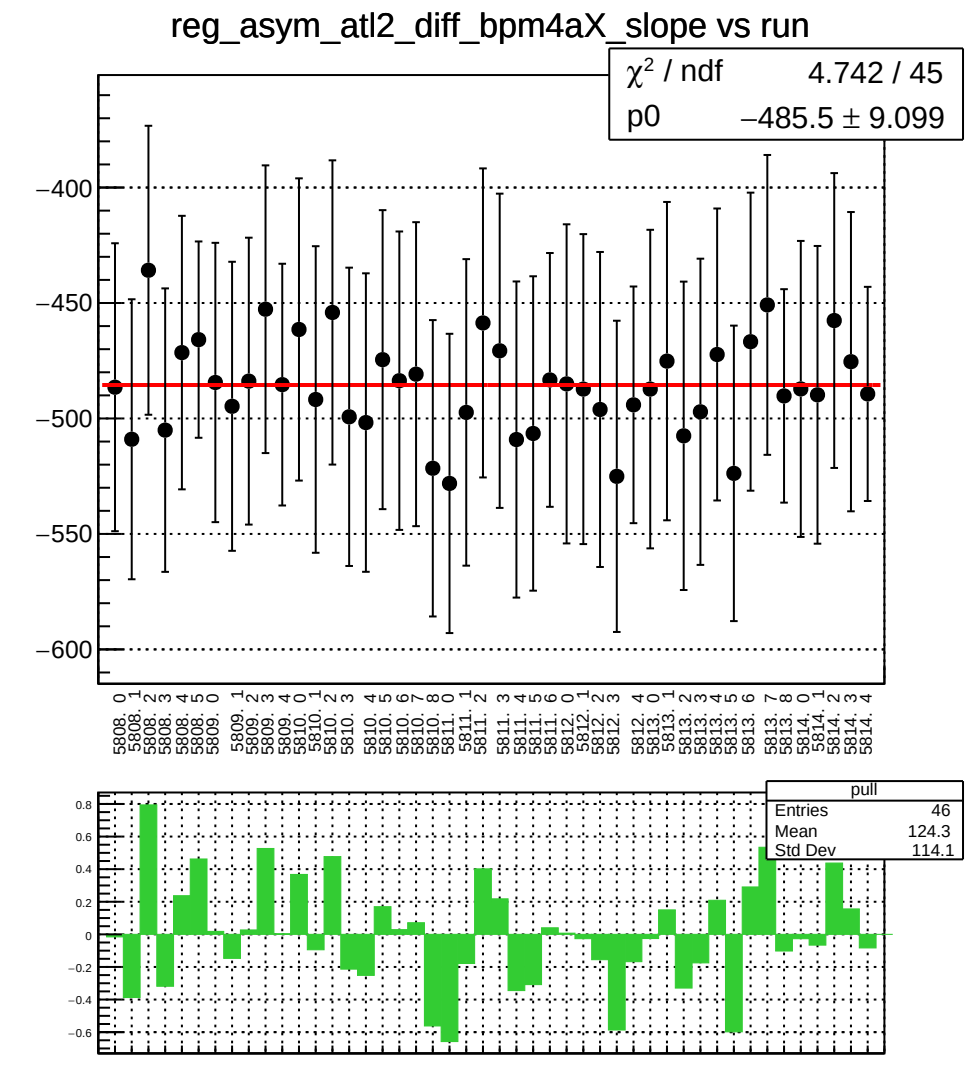

pull1D
Entries 46
Mean −0.003625
Std Dev 0.9051

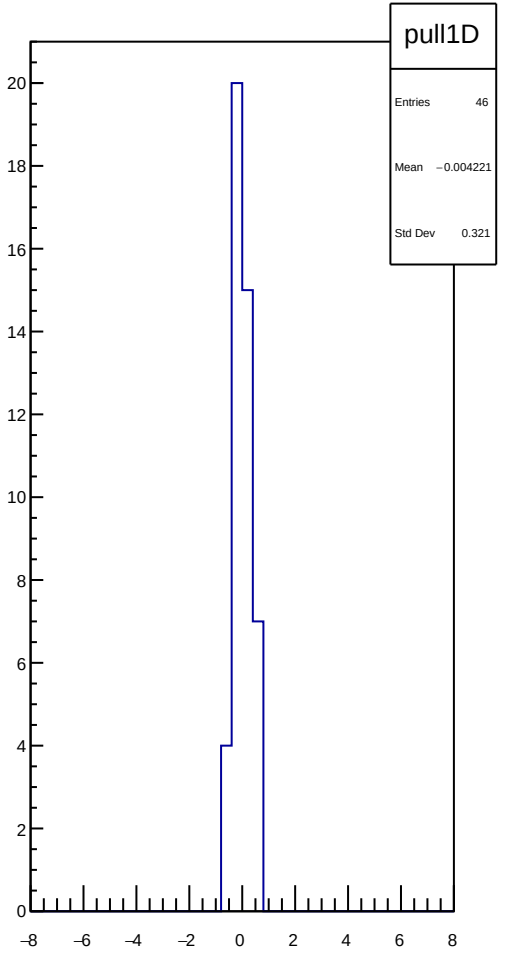

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 46.84 / 45
p0 −69.09 ± 5.995
pull
Entries 46
Mean 32.9
Std Dev 52.58

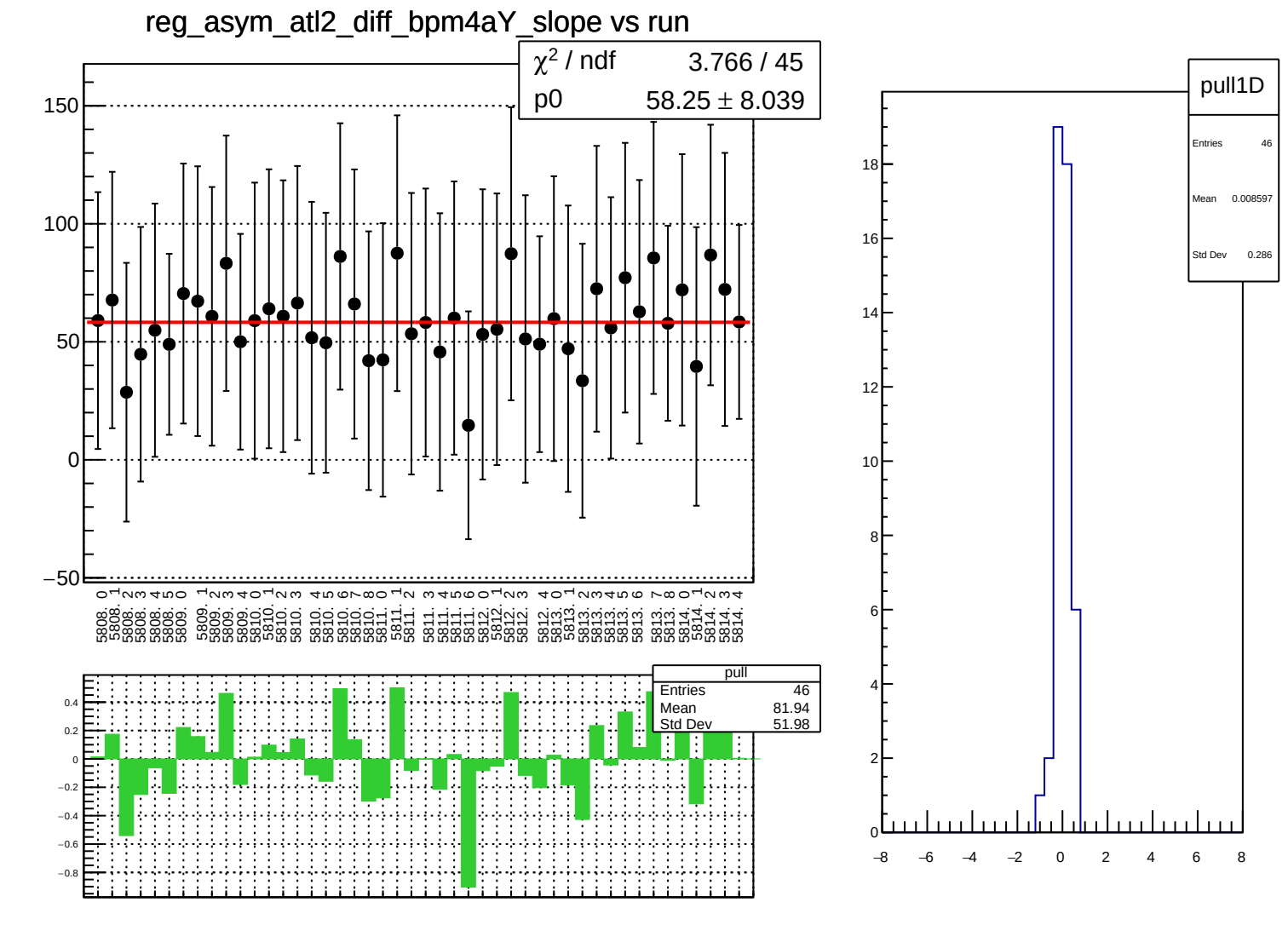

pull1D
Entries 46
Mean 0.008118
Std Dev 1.009

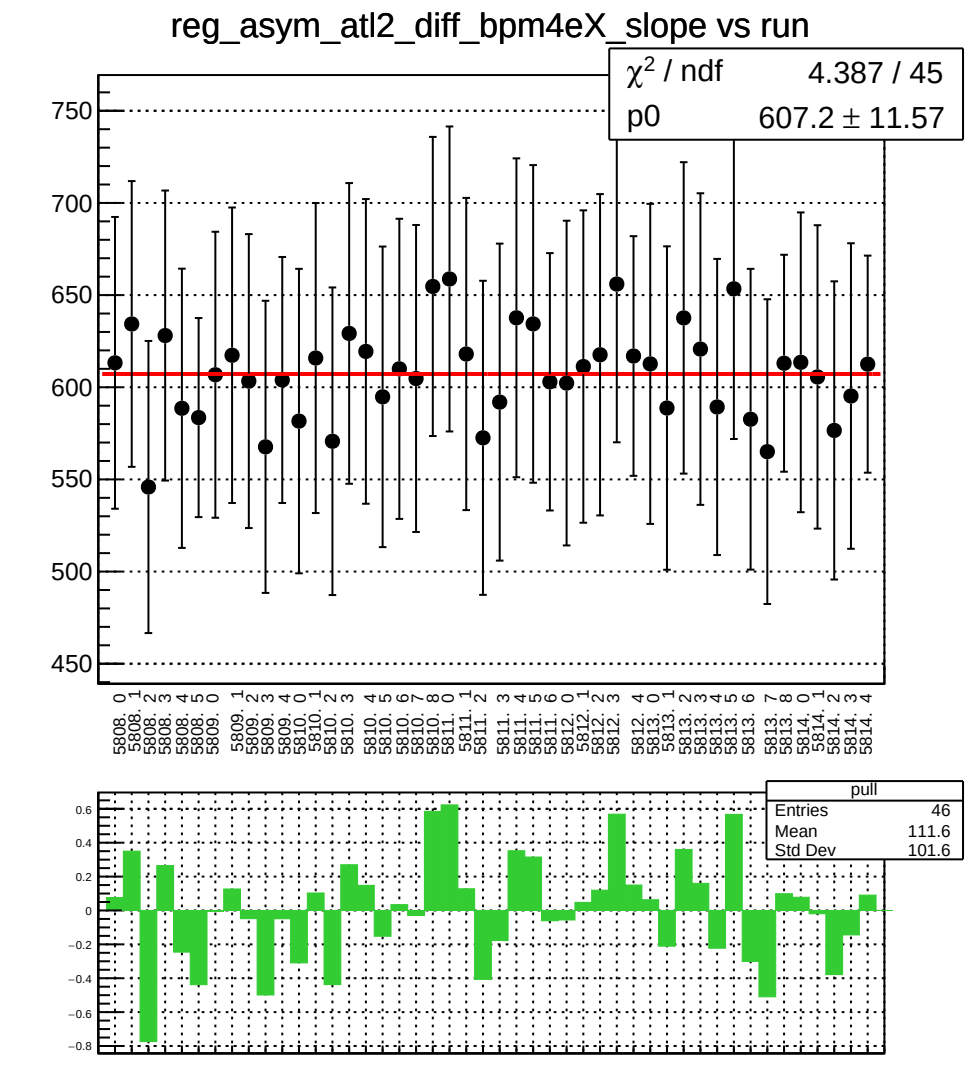

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 36.04 / 45
p0 −50.7 ± 0.3577
pull
Entries 46
Mean 790.1
Std Dev 765

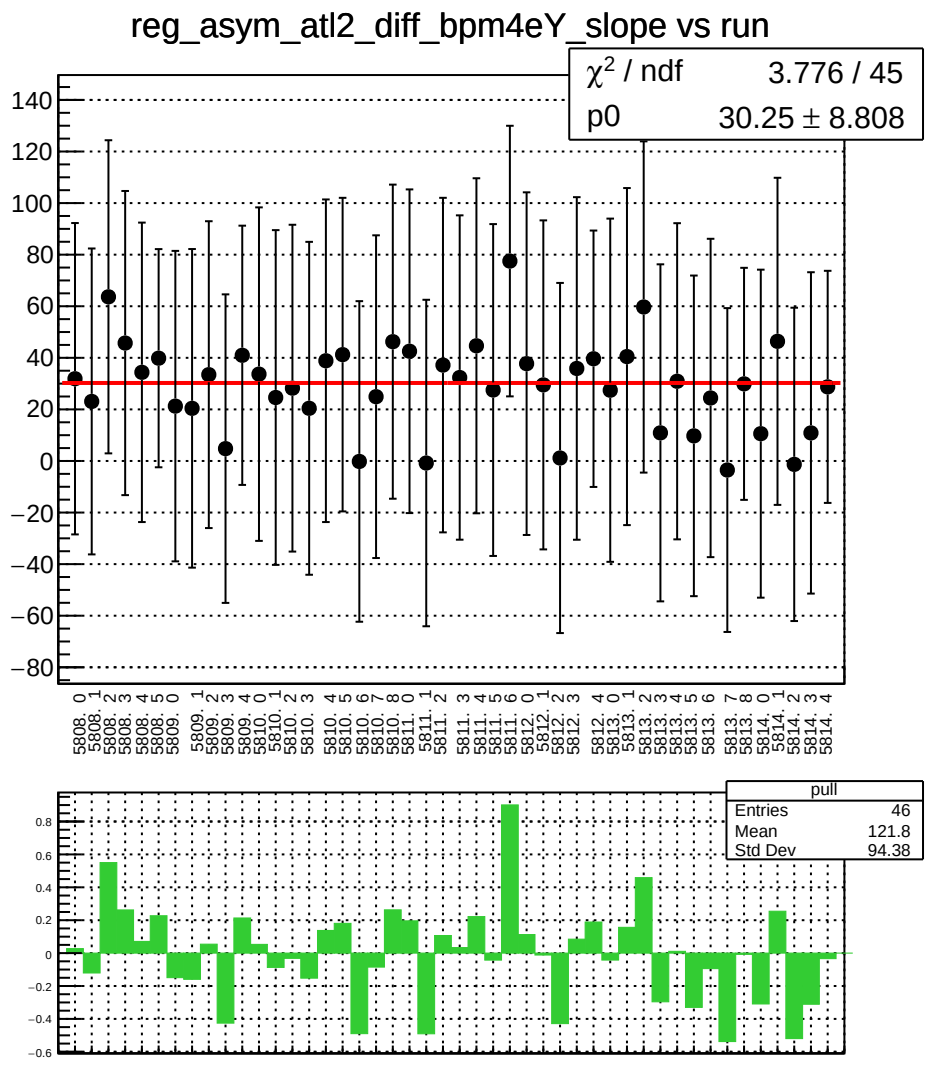

pull1D
Entries 46
Mean 0.003292
Std Dev 0.8852

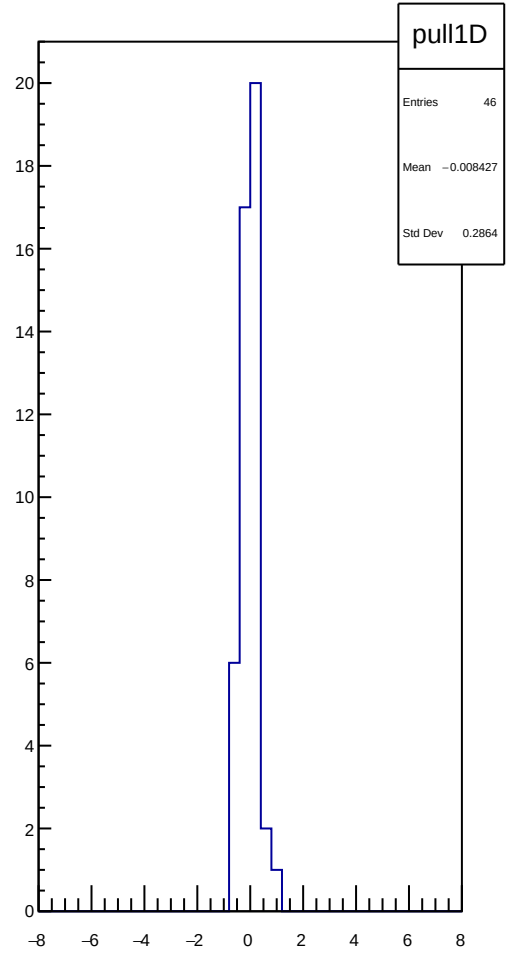

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 4.742 / 45
p0 −485.5 ± 9.099
−400
−450
−500
−550
−600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 124.3
Std Dev 114.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

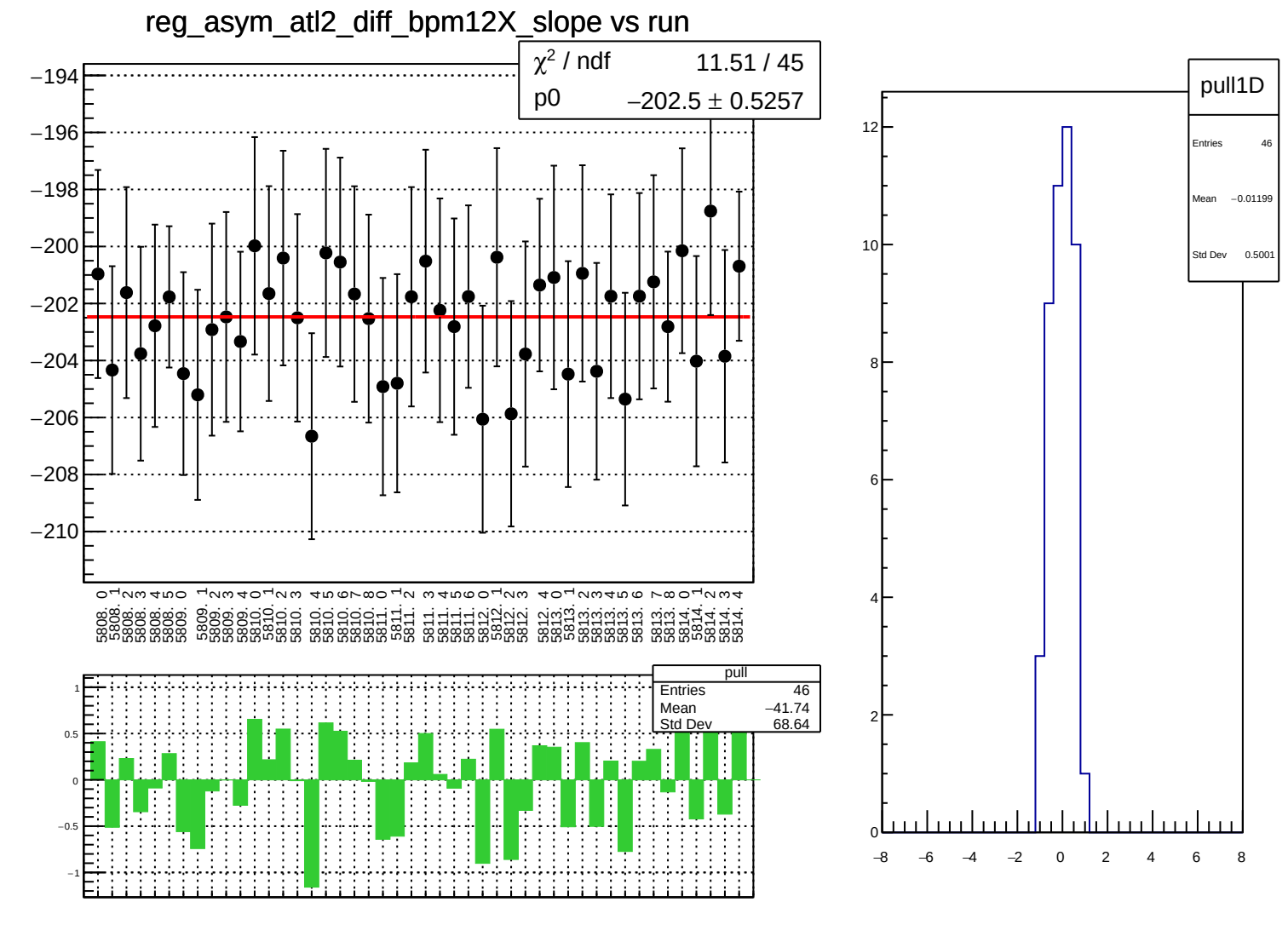

pull1D
Entries 46
Mean −0.004221
Std Dev 0.321
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

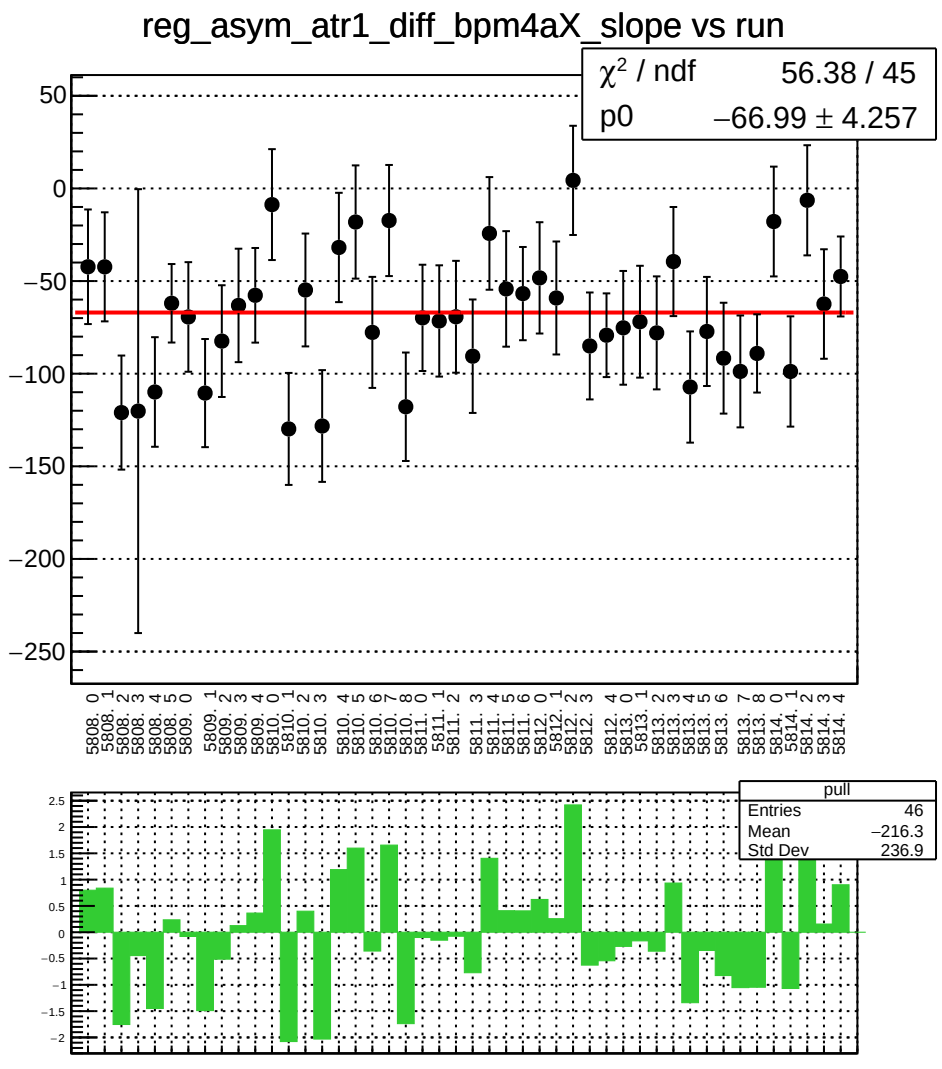

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 3.766 / 45
p0 58.25 ± 8.039
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 81.94
Std Dev 51.98
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.008597
Std Dev 0.286
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

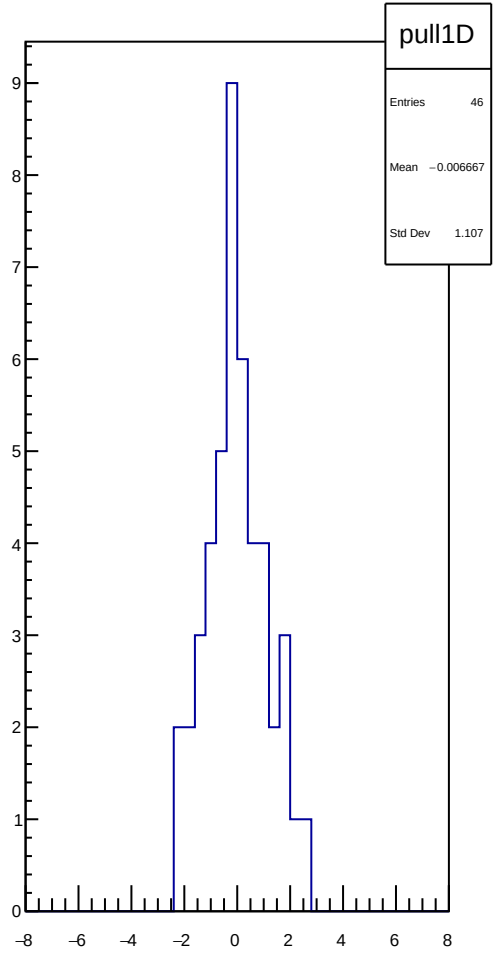

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 4.387 / 45
p0 607.2 ± 11.57
750
700
650
600
550
500
450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 111.6
Std Dev 101.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.004511
Std Dev 0.3088
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

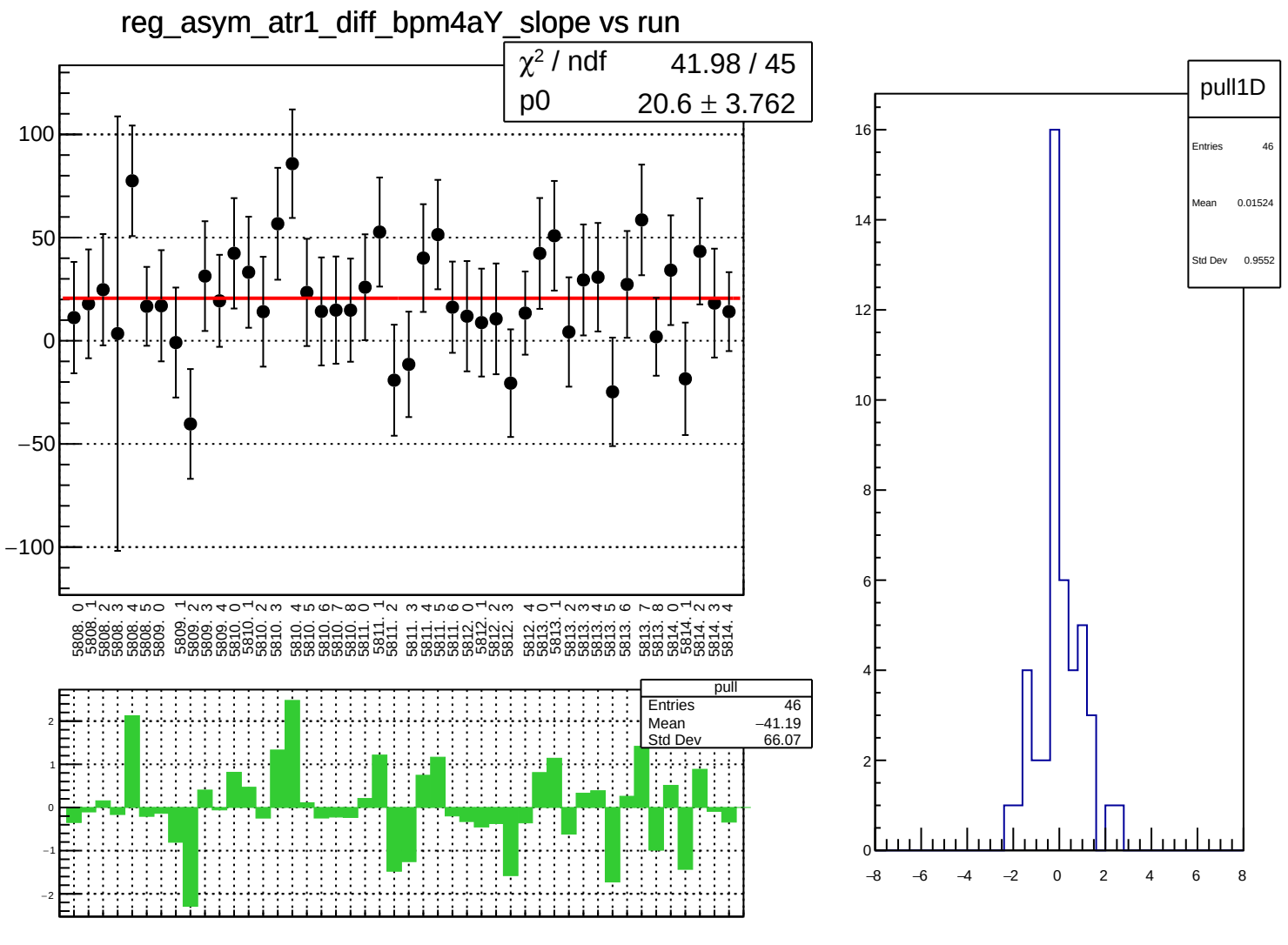

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 3.776 / 45
p0 30.25 ± 8.808
pull
Entries 46
Mean 121.8
Std Dev 94.38

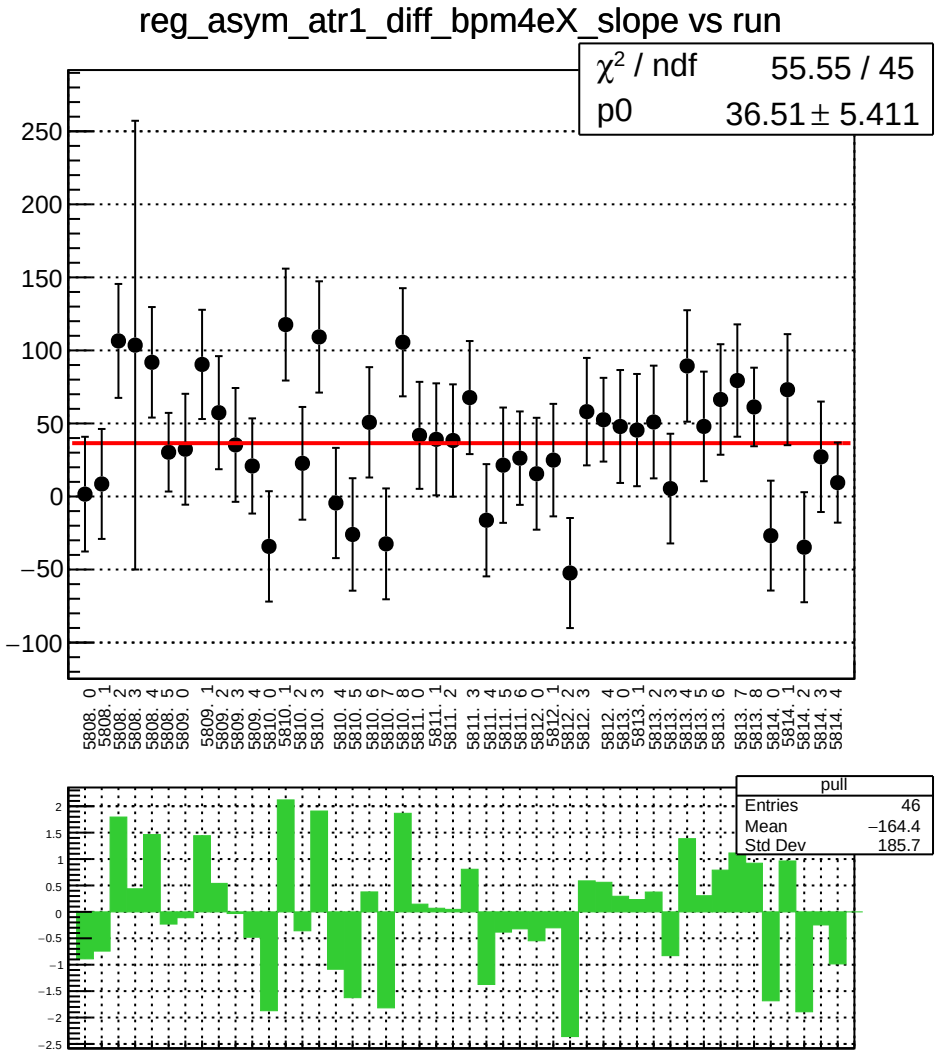

pull1D
Entries 46
Mean −0.008427
Std Dev 0.2864

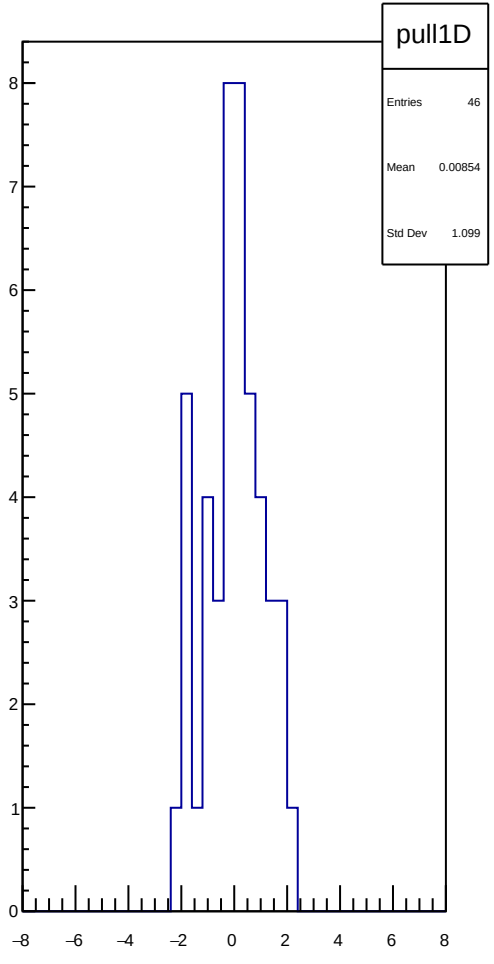

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 11.51 / 45
p0 −202.5 ± 0.5257
pull
Entries 46
Mean −41.74
Std Dev 68.64
pull1D
Entries 46
Mean −0.01199
Std Dev 0.5001

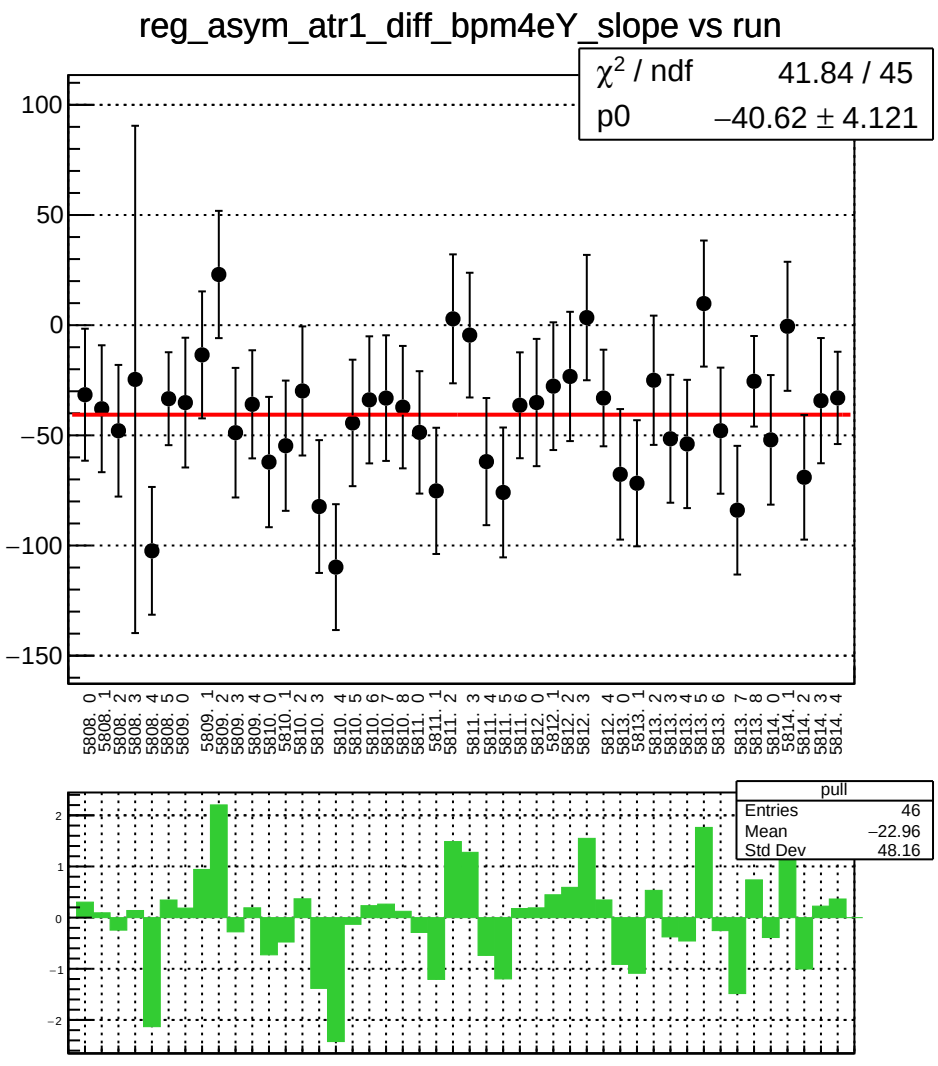

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 56.38 / 45
p0 −66.99 ± 4.257
pull
Entries 46
Mean −216.3
Std Dev 236.9

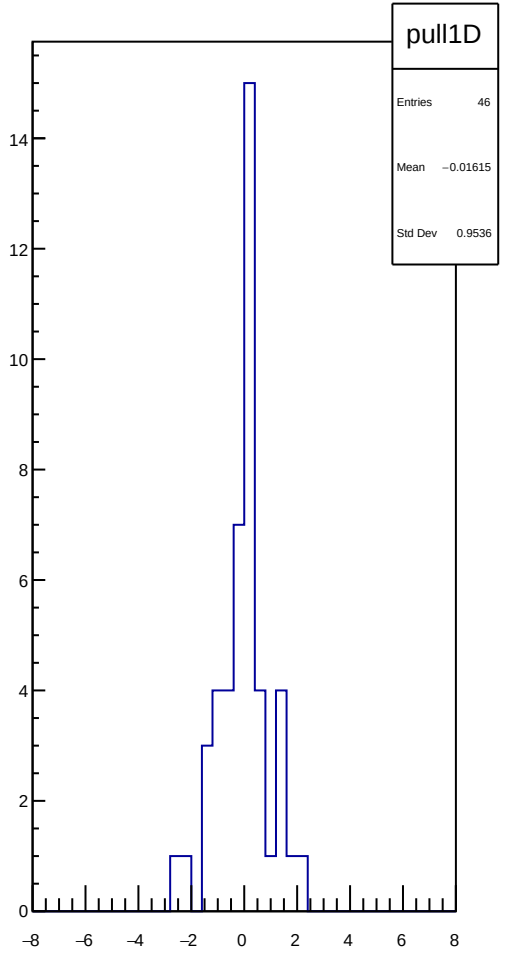

pull1D
Entries 46
Mean −0.006667
Std Dev 1.107

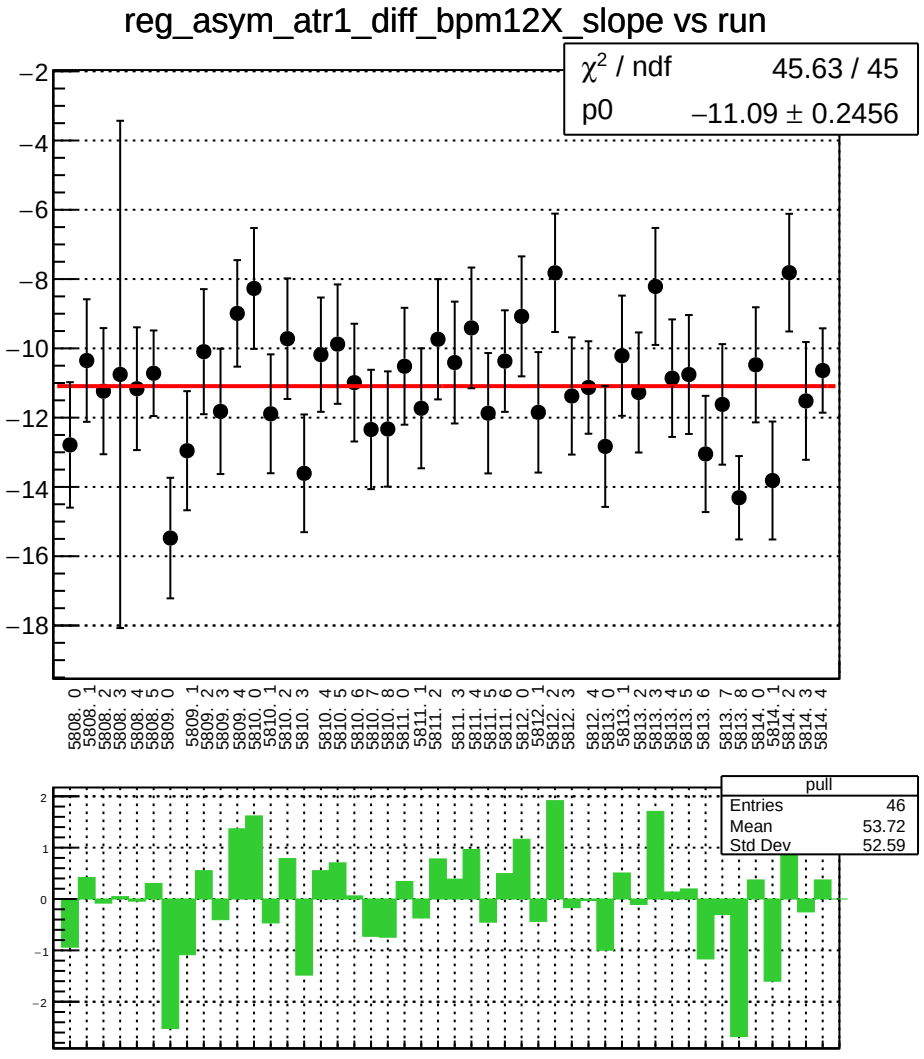

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 41.98 / 45
p0 20.6 ± 3.762
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −41.19
Std Dev 66.07
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.01524
Std Dev 0.9552
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

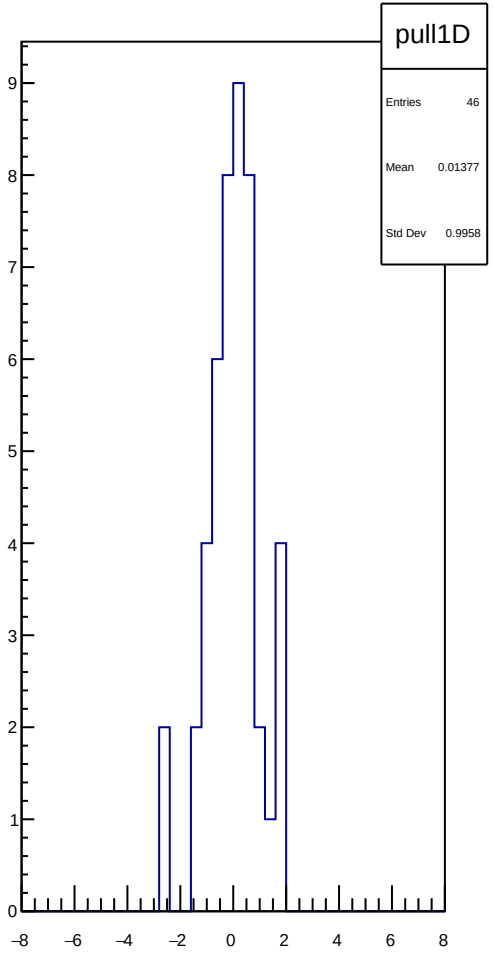

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 55.55 / 45
p0 36.51 ± 5.411
pull
Entries 46
Mean −164.4
Std Dev 185.7

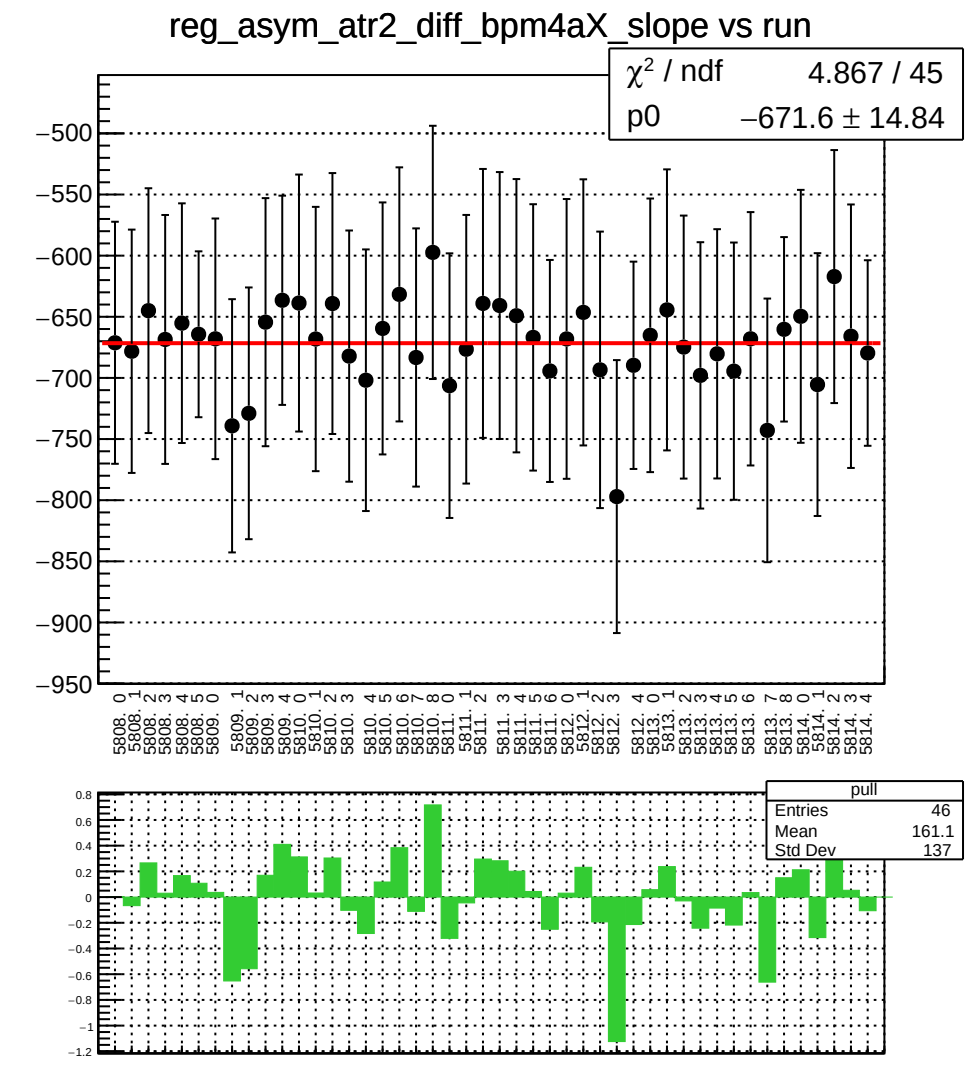

pull1D
Entries 46
Mean 0.00854
Std Dev 1.099

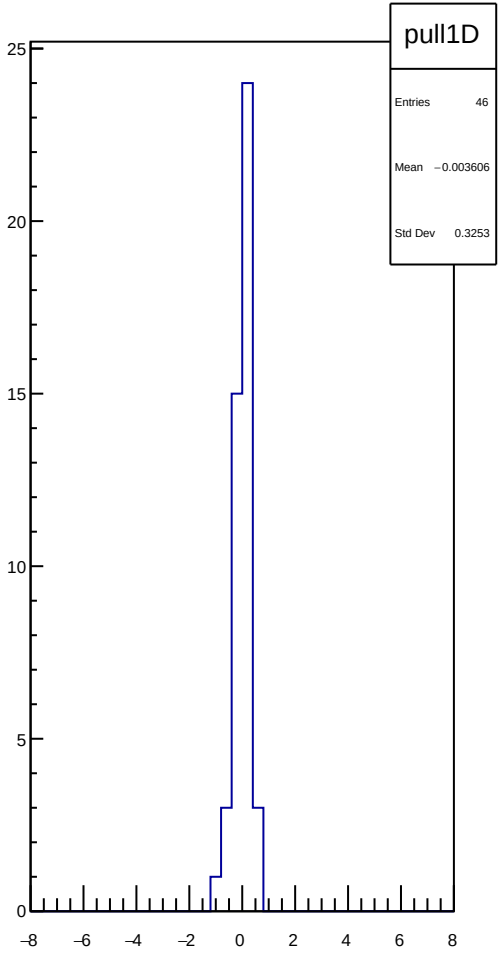

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 41.84 / 45
p0 −40.62 ± 4.121
pull
Entries 46
Mean −22.96
Std Dev 48.16

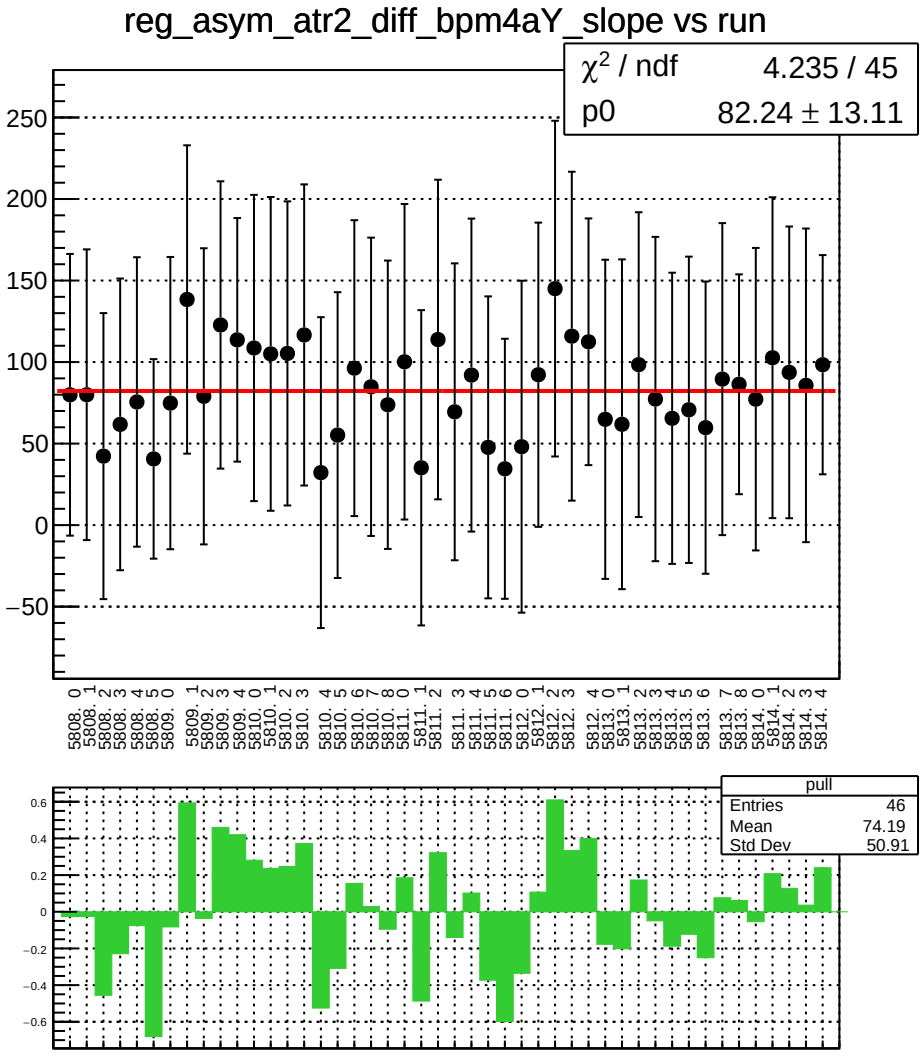

pull1D
Entries 46
Mean −0.01615
Std Dev 0.9536

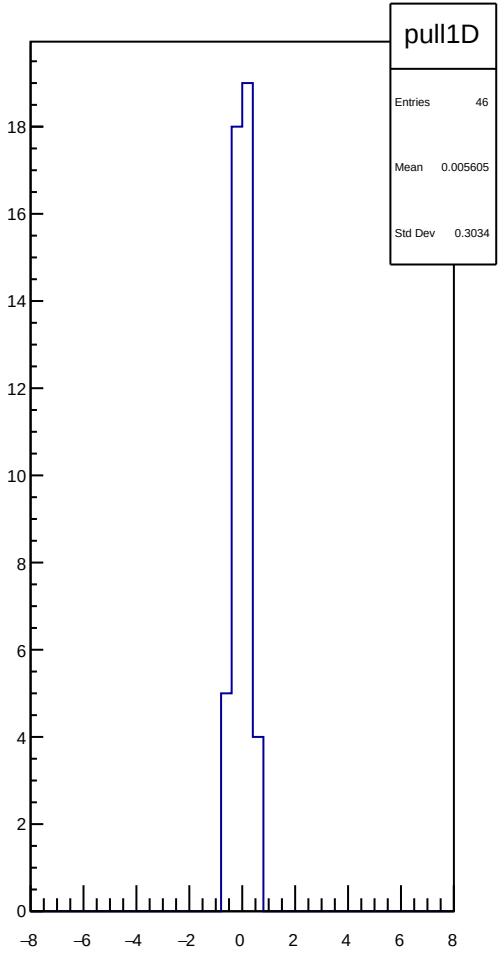

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 45.63 / 45
p0 −11.09 ± 0.2456
pull
Entries 46
Mean 53.72
Std Dev 52.59

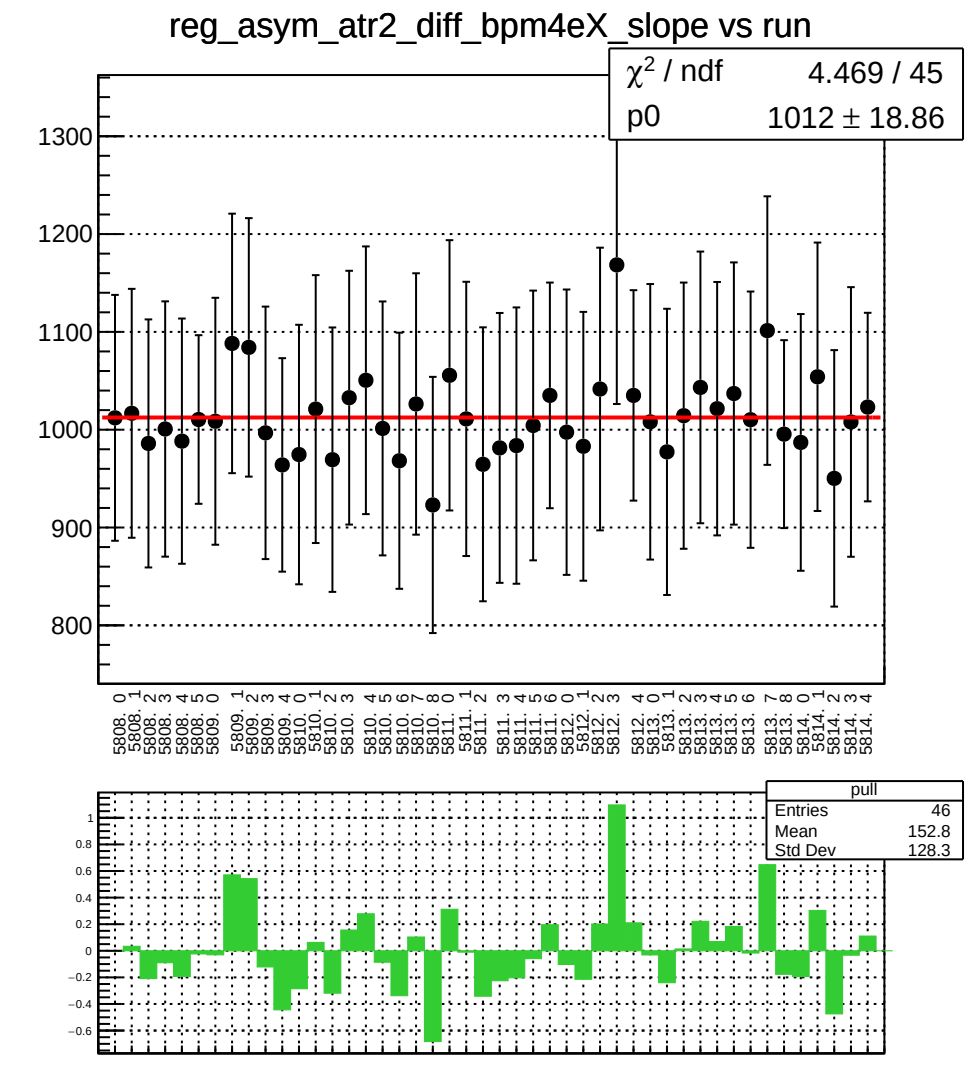

pull1D
Entries 46
Mean 0.01377
Std Dev 0.9958

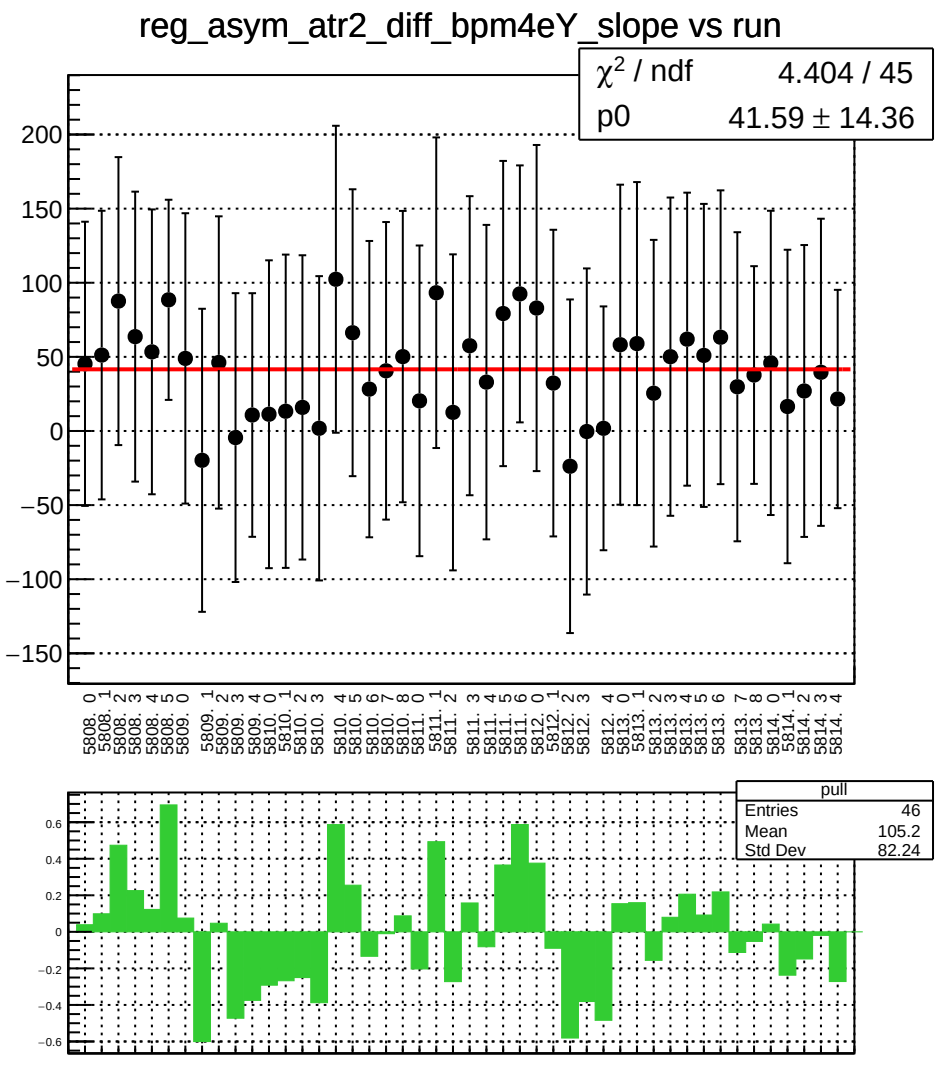

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 4.867 / 45
p0 −671.6 ± 14.84
pull
Entries 46
Mean 161.1
Std Dev 137

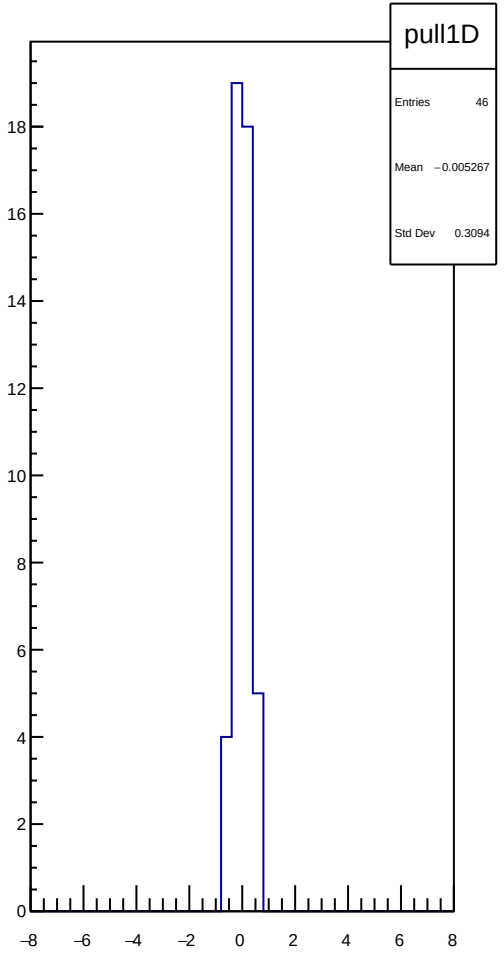

pull1D
Entries 46
Mean −0.003606
Std Dev 0.3253

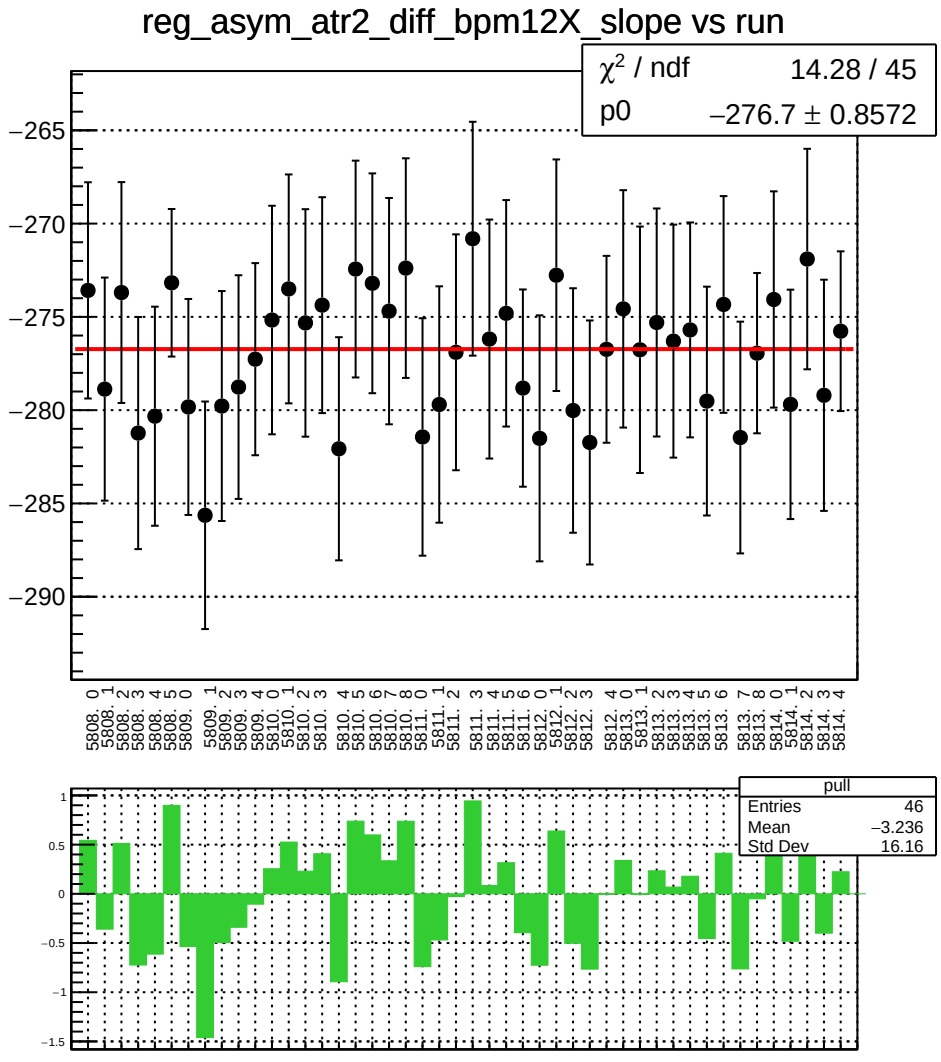

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.235 / 45
p0 82.24 ± 13.11
pull
Entries 46
Mean 74.19
Std Dev 50.91

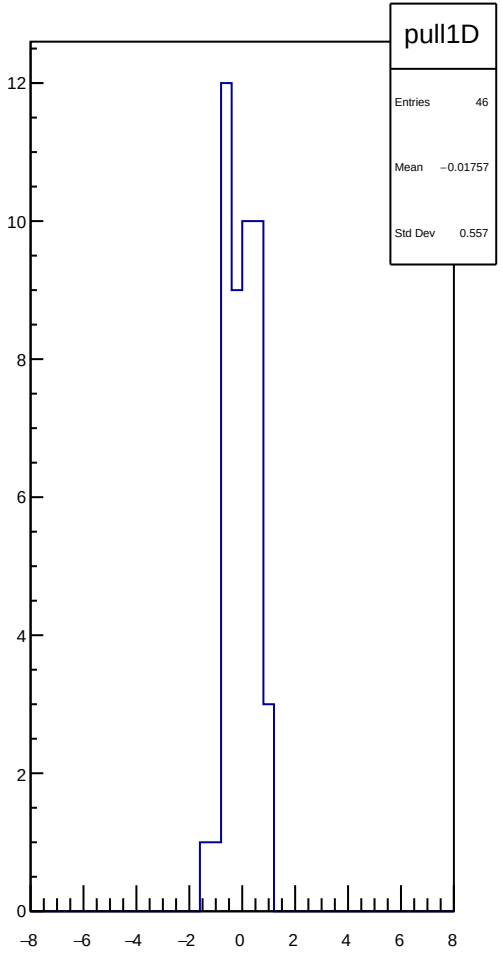

pull1D
Entries 46
Mean 0.005605
Std Dev 0.3034

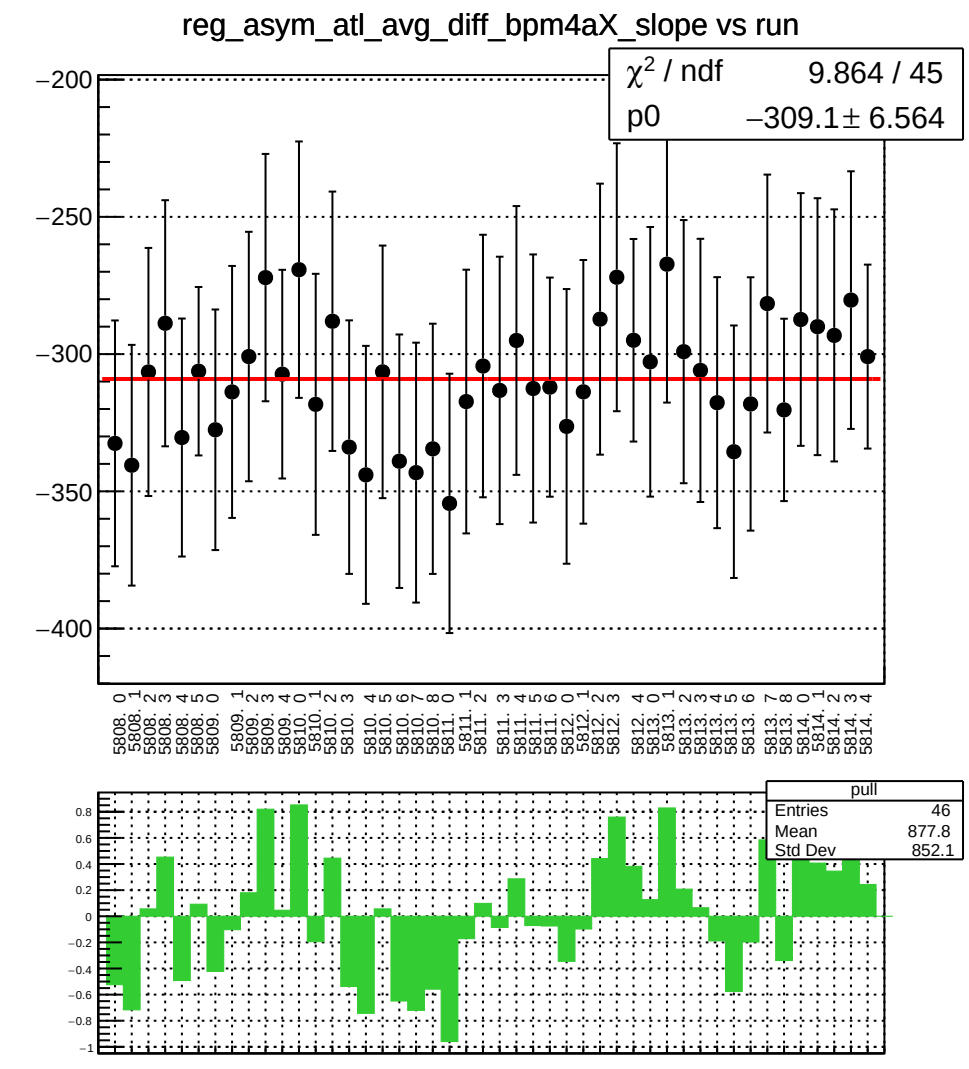

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 4.469 / 45
p0 1012 ± 18.86
1300
1200
1100
1000
900
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 152.8
Std Dev 128.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 46
Mean 0.003605
Std Dev 0.3117
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

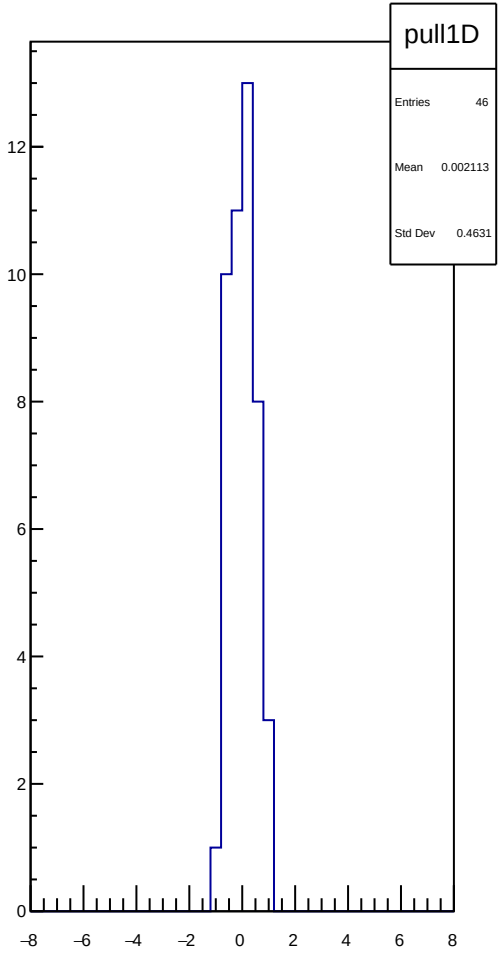

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.404 / 45
p0 41.59 ± 14.36
pull
Entries 46
Mean 105.2
Std Dev 82.24

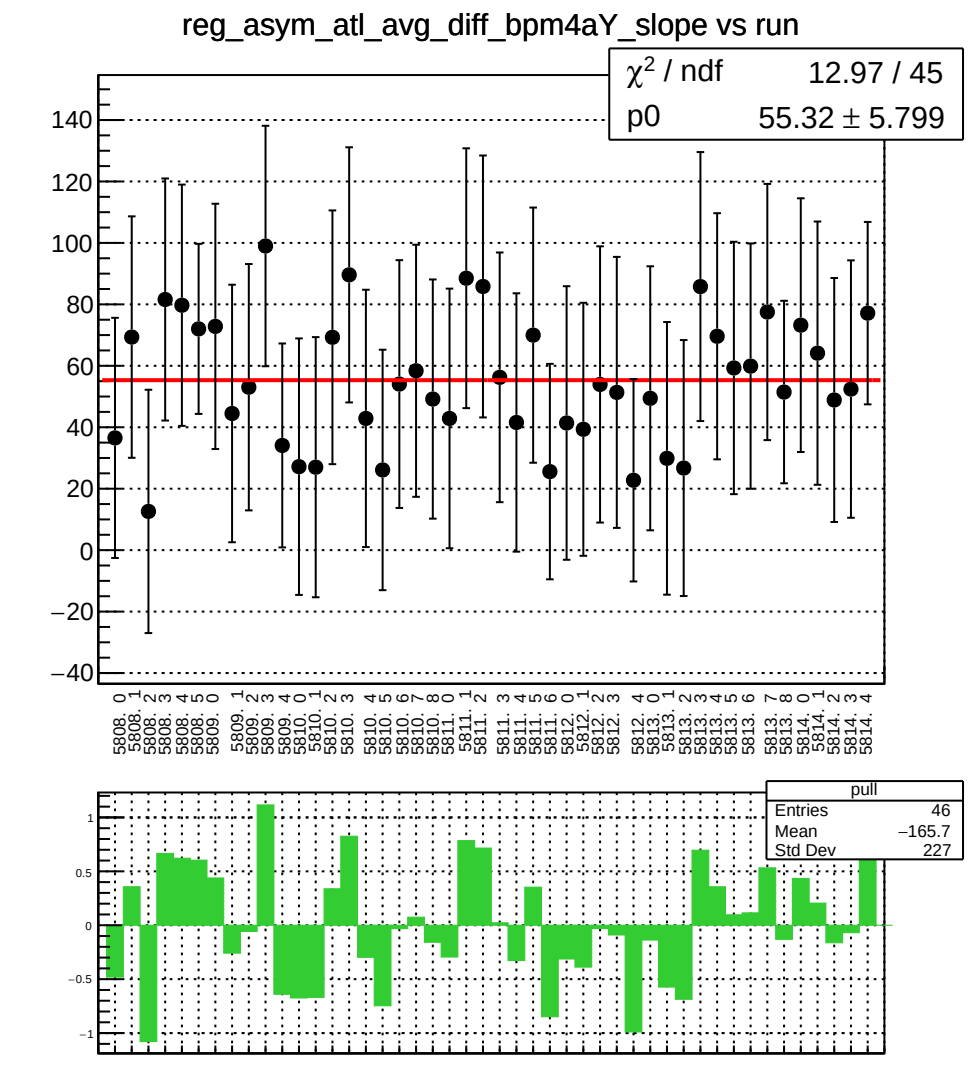

pull1D
Entries 46
Mean −0.005267
Std Dev 0.3094

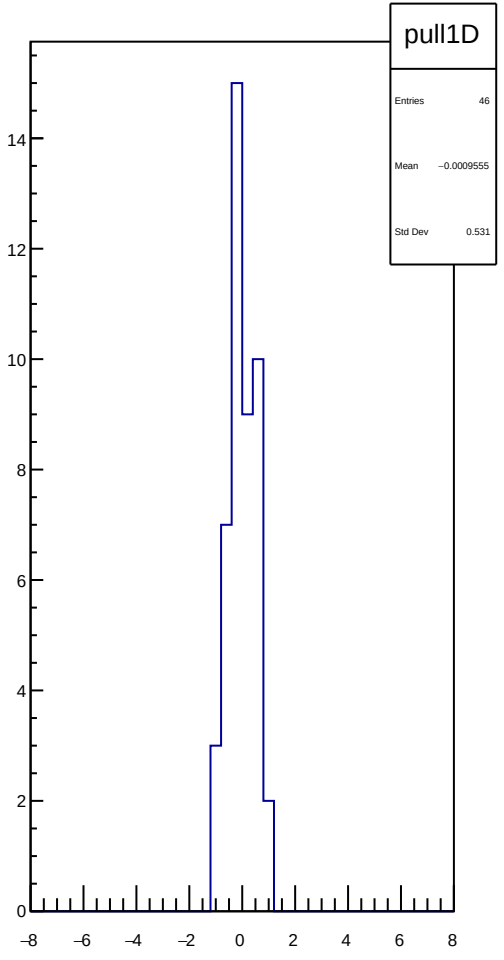

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 14.28 / 45
p0 −276.7 ± 0.8572
−265
−270
−275
−280
−285
−290
pull
Entries 46
Mean −3.236
Std Dev 16.16
1
0.5
0
−0.5
−1
−1.5

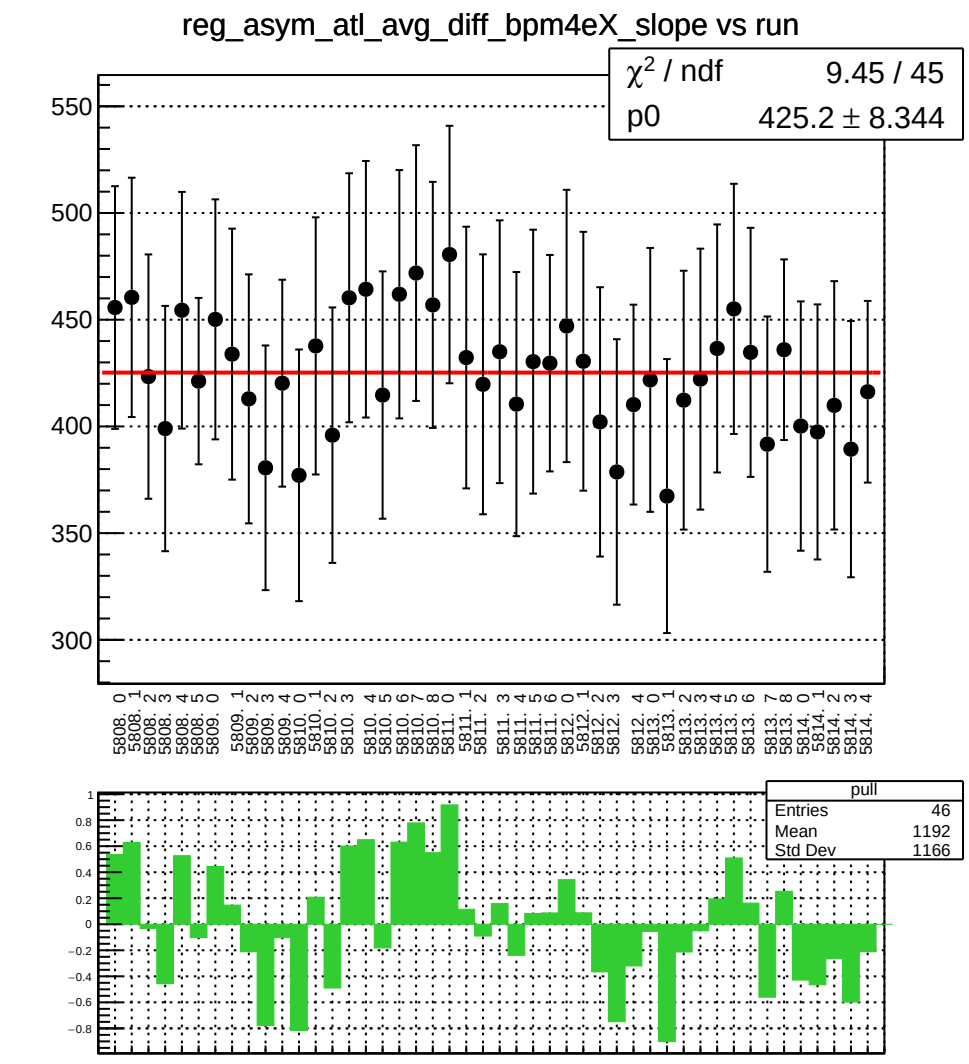

pull1D
Entries 46
Mean −0.01757
Std Dev 0.557
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

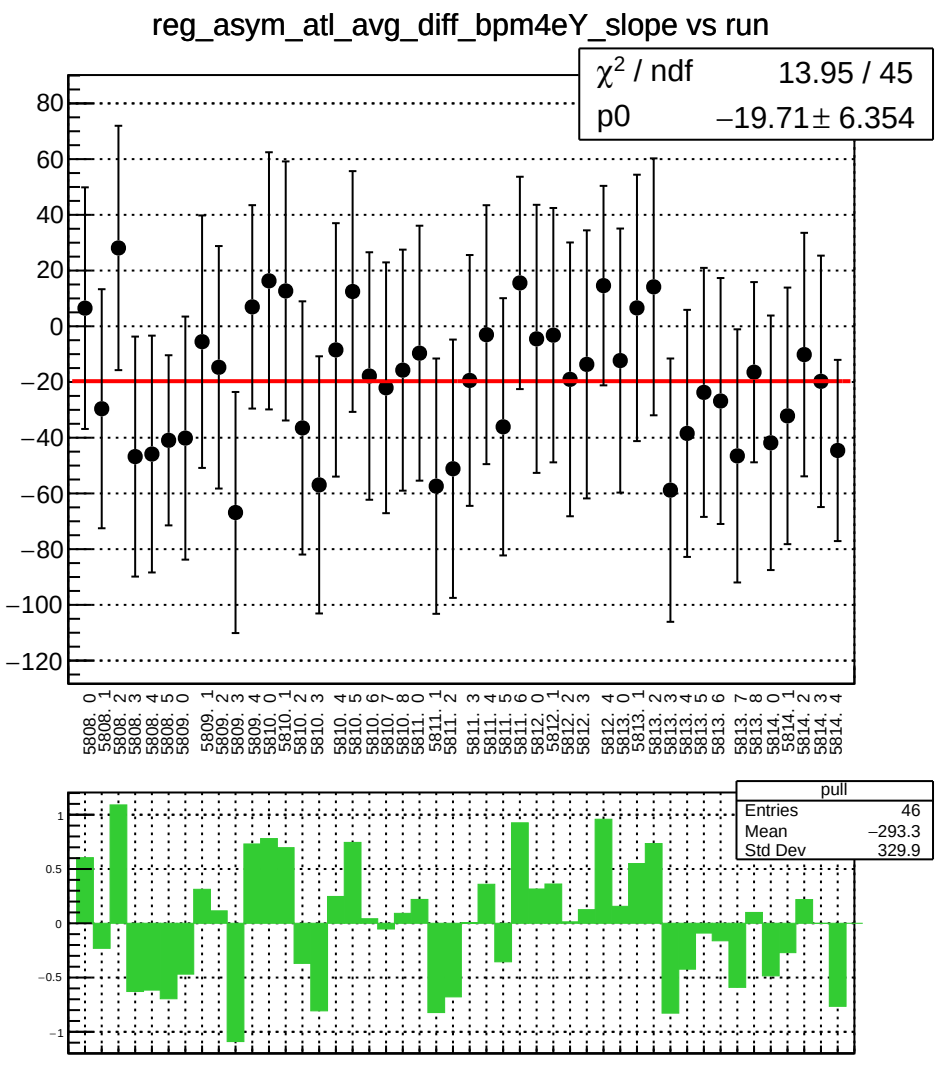

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.864 / 45
p0 −309.1± 6.564
pull
Entries 46
Mean 877.8
Std Dev 852.1

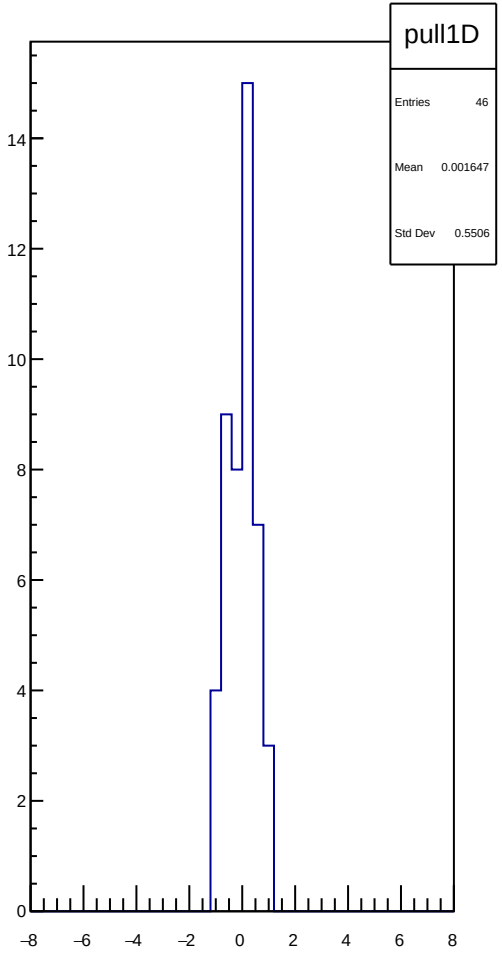

pull1D
Entries 46
Mean 0.002113
Std Dev 0.4631

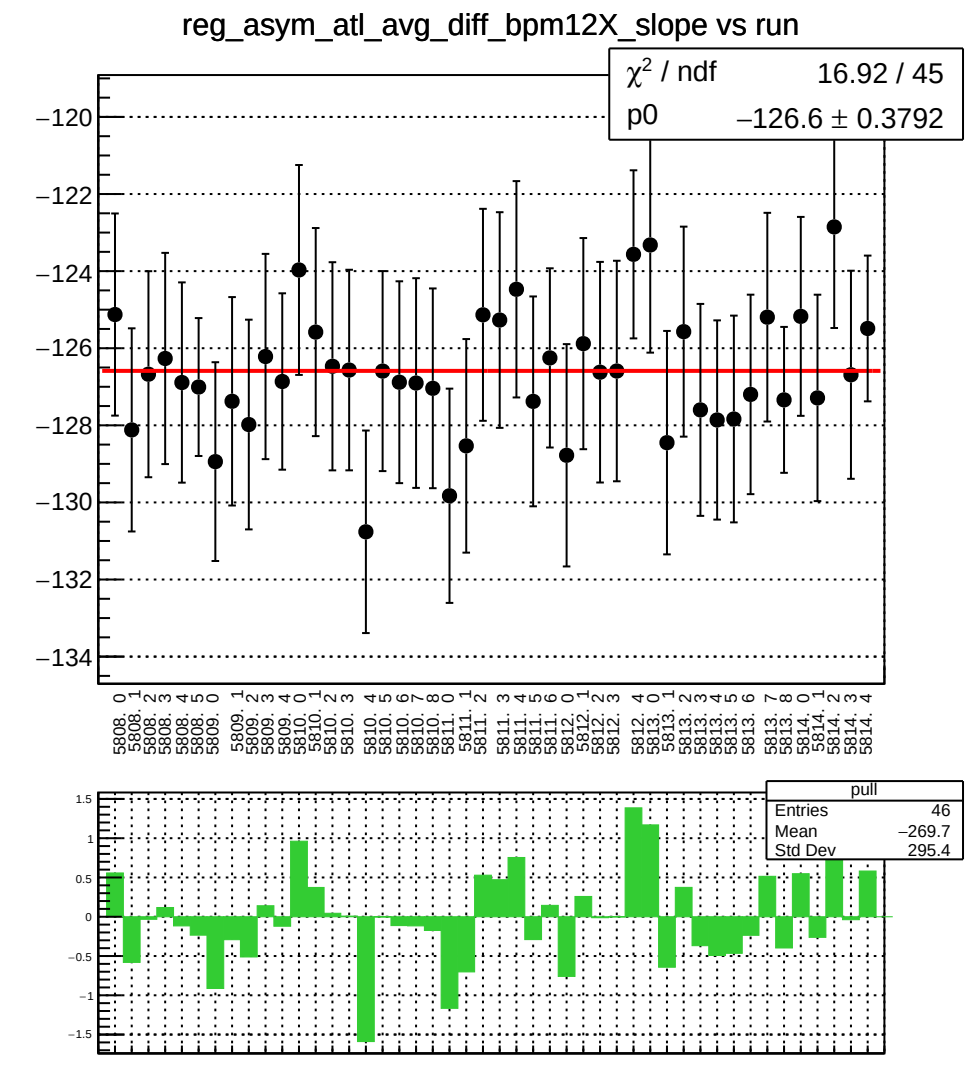

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.97 / 45
p0 55.32 ± 5.799
pull
Entries 46
Mean −165.7
Std Dev 227

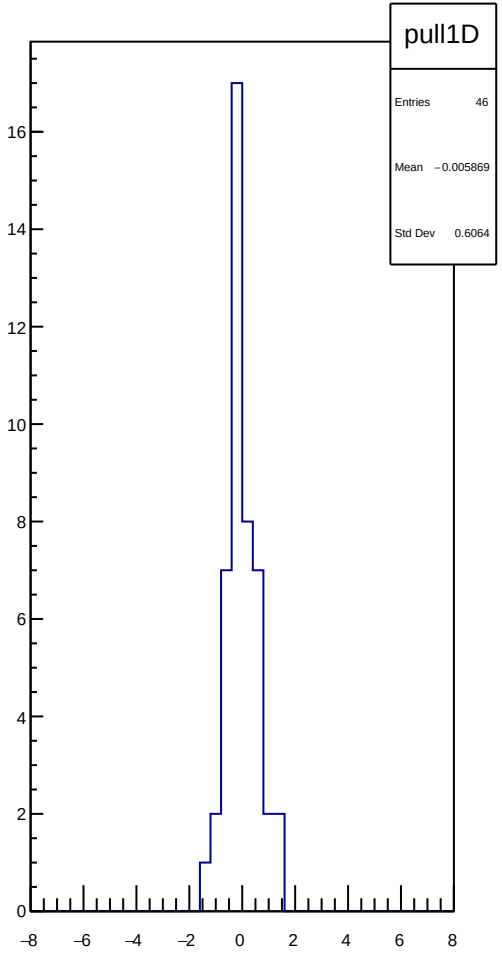

pull1D
Entries 46
Mean −0.0009555
Std Dev 0.531

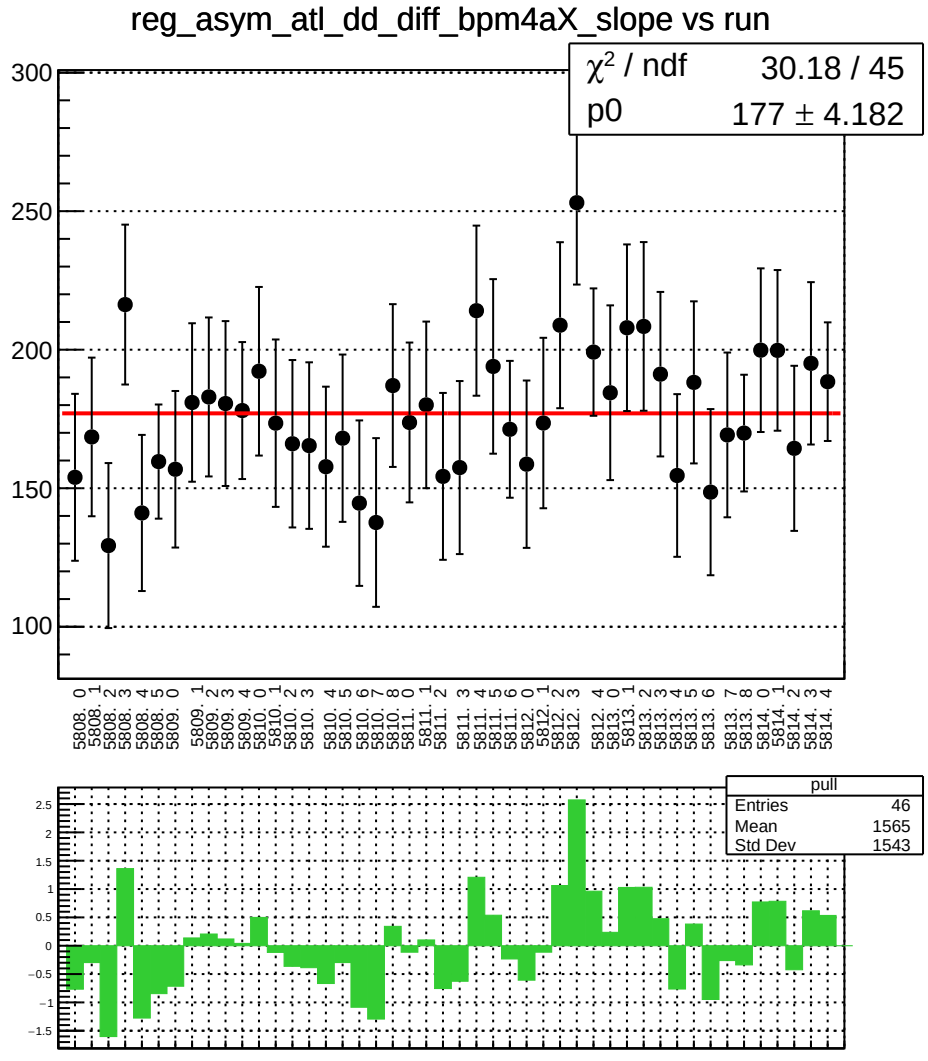

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.45 / 45
p0 425.2 ± 8.344
550
500
450
400
350
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1192
Std Dev 1166
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean −0.001503
Std Dev 0.4532
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

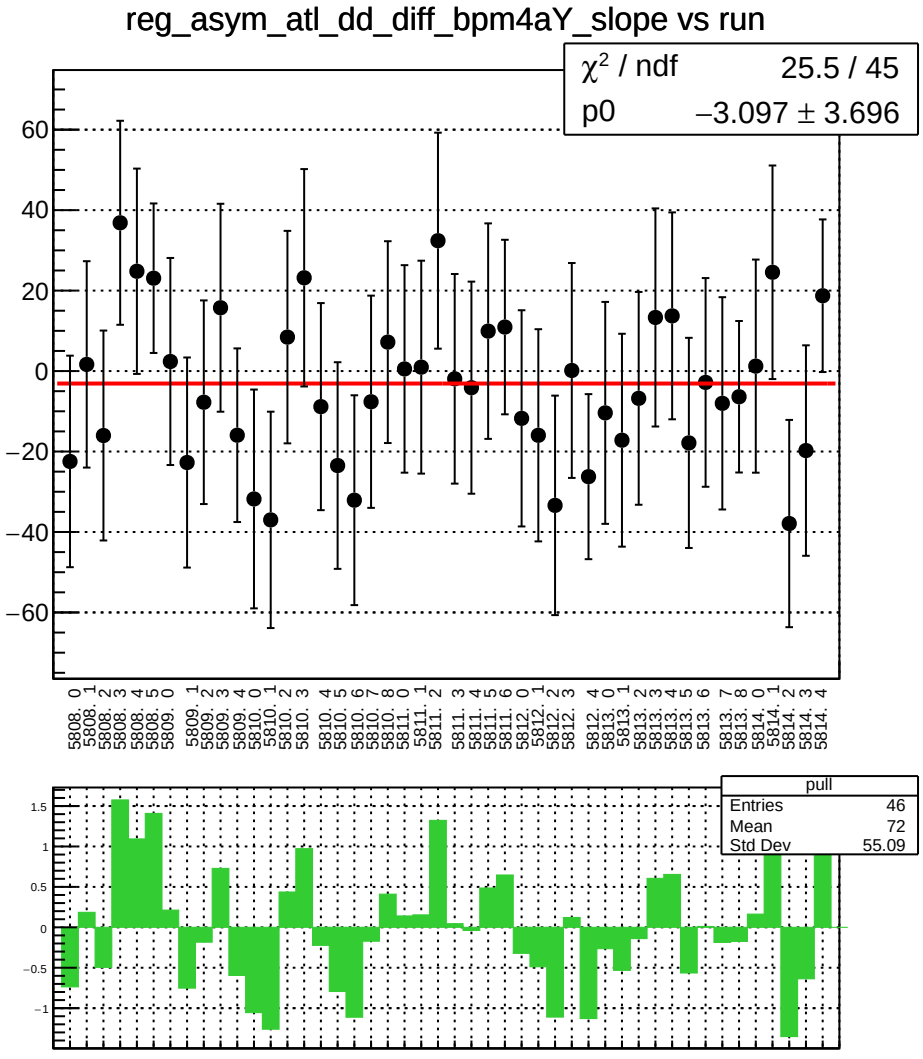

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.95 / 45
p0 −19.71± 6.354
pull
Entries 46
Mean −293.3
Std Dev 329.9

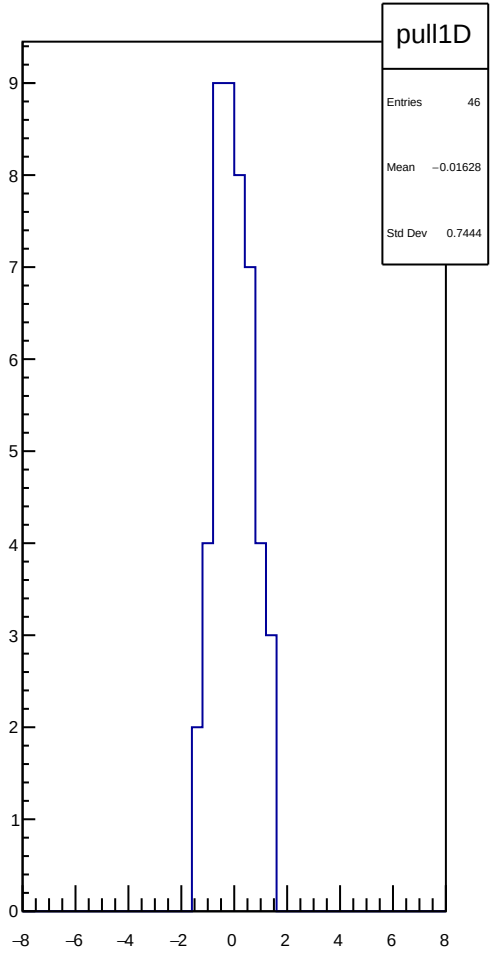

pull1D
Entries 46
Mean 0.001647
Std Dev 0.5506

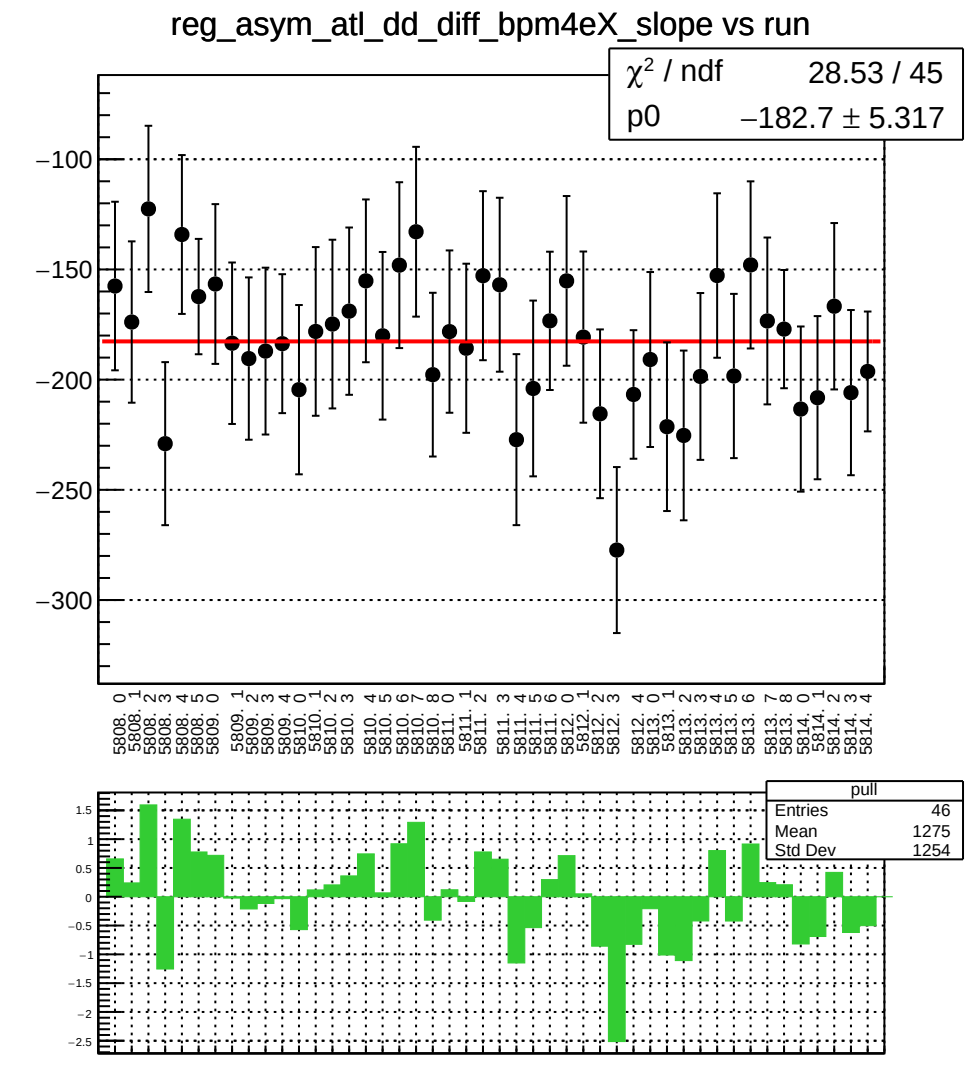

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 16.92 / 45
p0 −126.6 ± 0.3792
−120
−122
−124
−126
−128
−130
−132
−134
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −269.7
Std Dev 295.4
1.5
1
0.5
0
−0.5
−1
−1.5

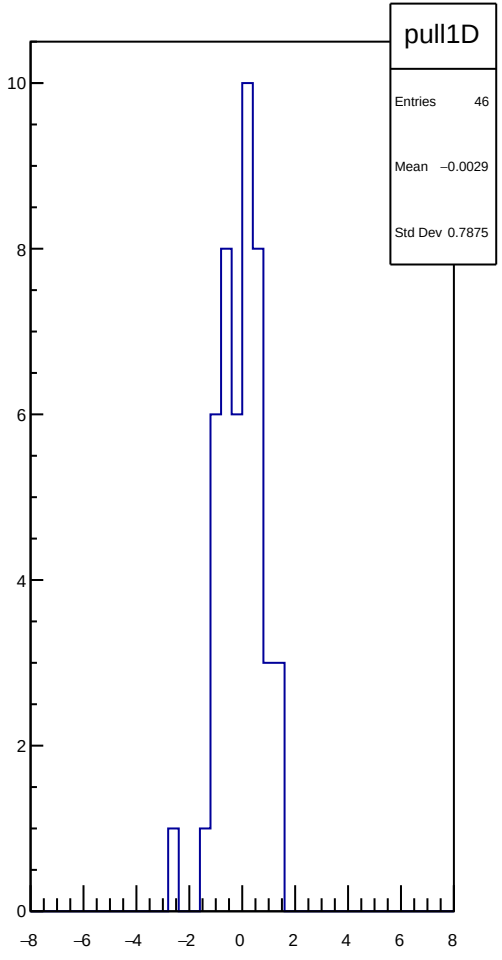

pull1D
Entries 46
Mean −0.005869
Std Dev 0.6064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

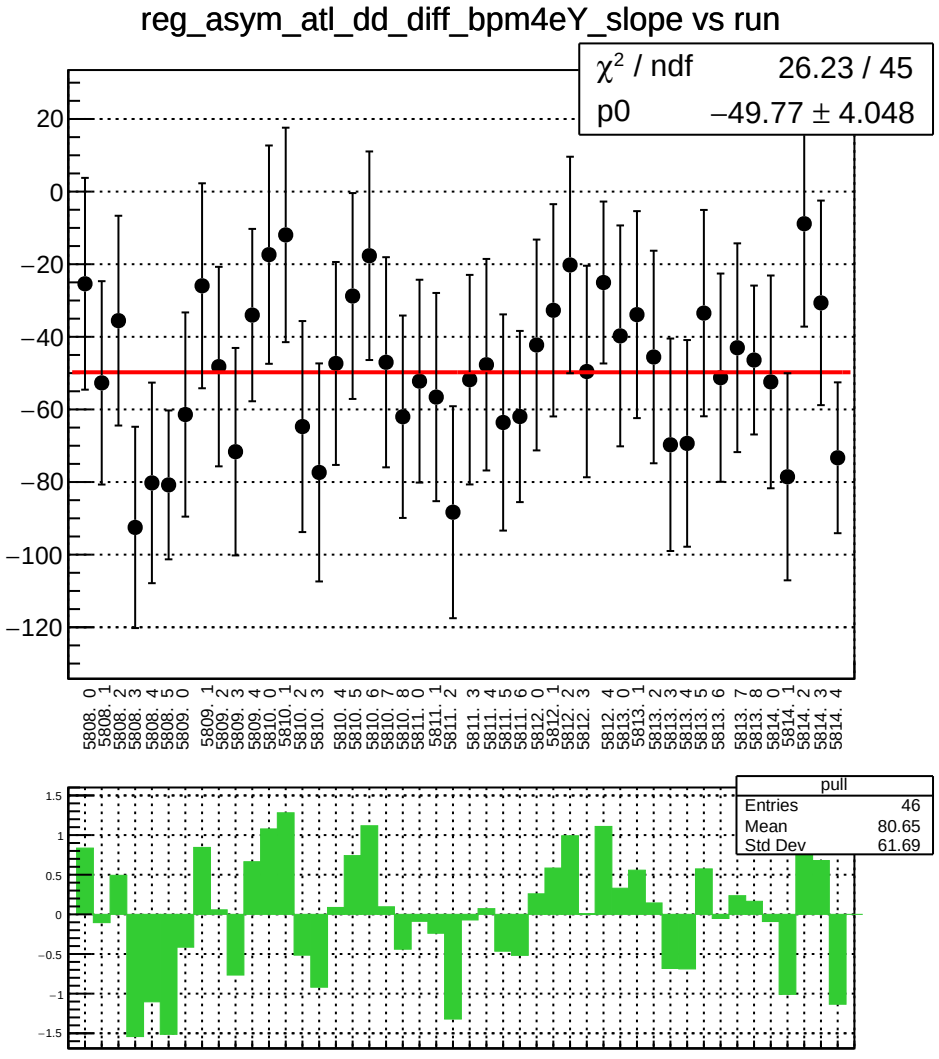

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 30.18 / 45
p0 177 ± 4.182
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1565
Std Dev 1543
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.002446
Std Dev 0.81
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

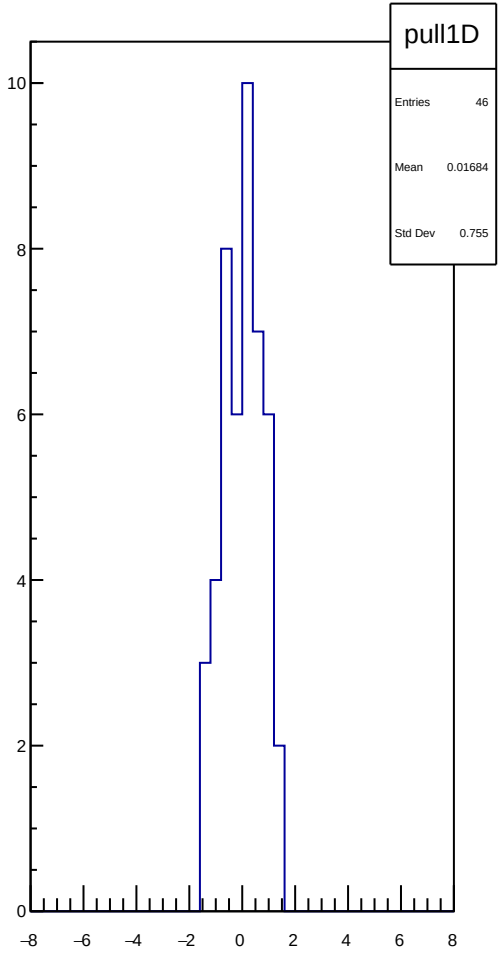

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.5 / 45
p0 −3.097 ± 3.696
pull
Entries 46
Mean 72
Std Dev 55.09

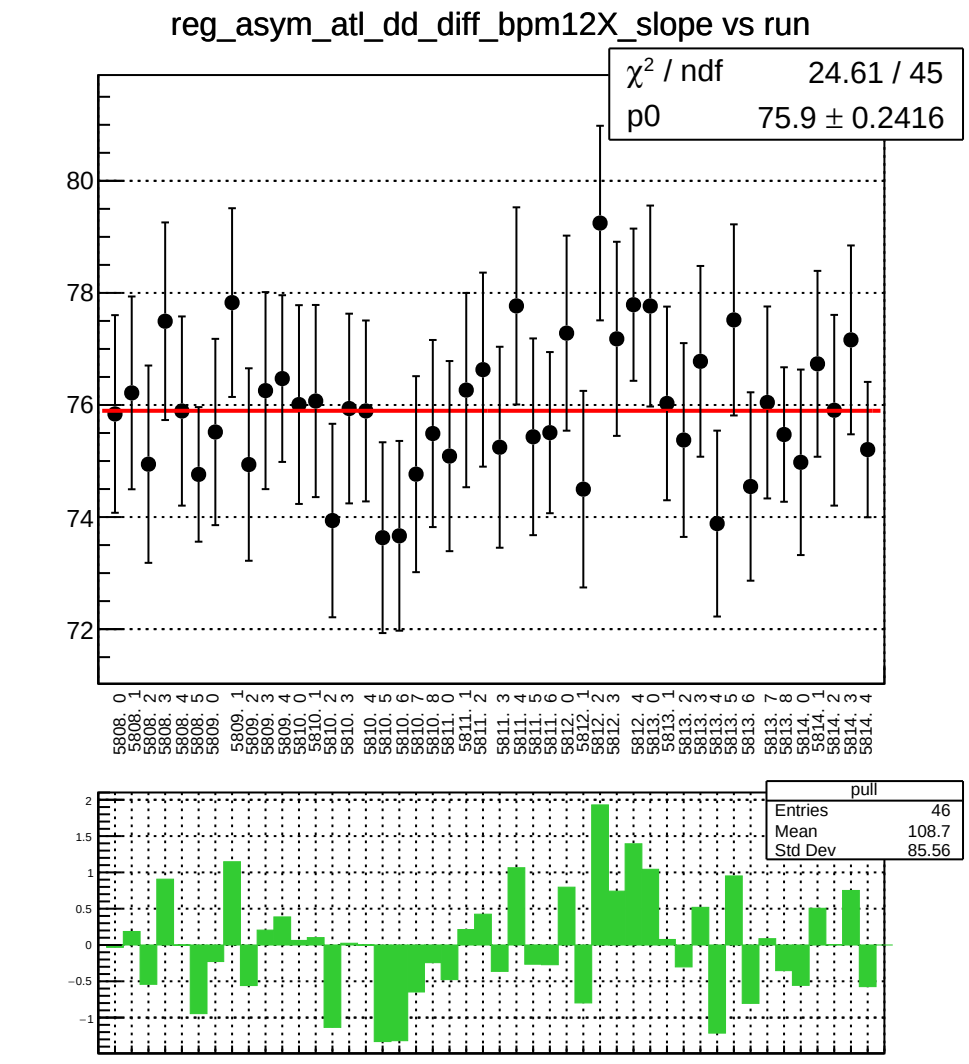

pull1D
Entries 46
Mean −0.01628
Std Dev 0.7444

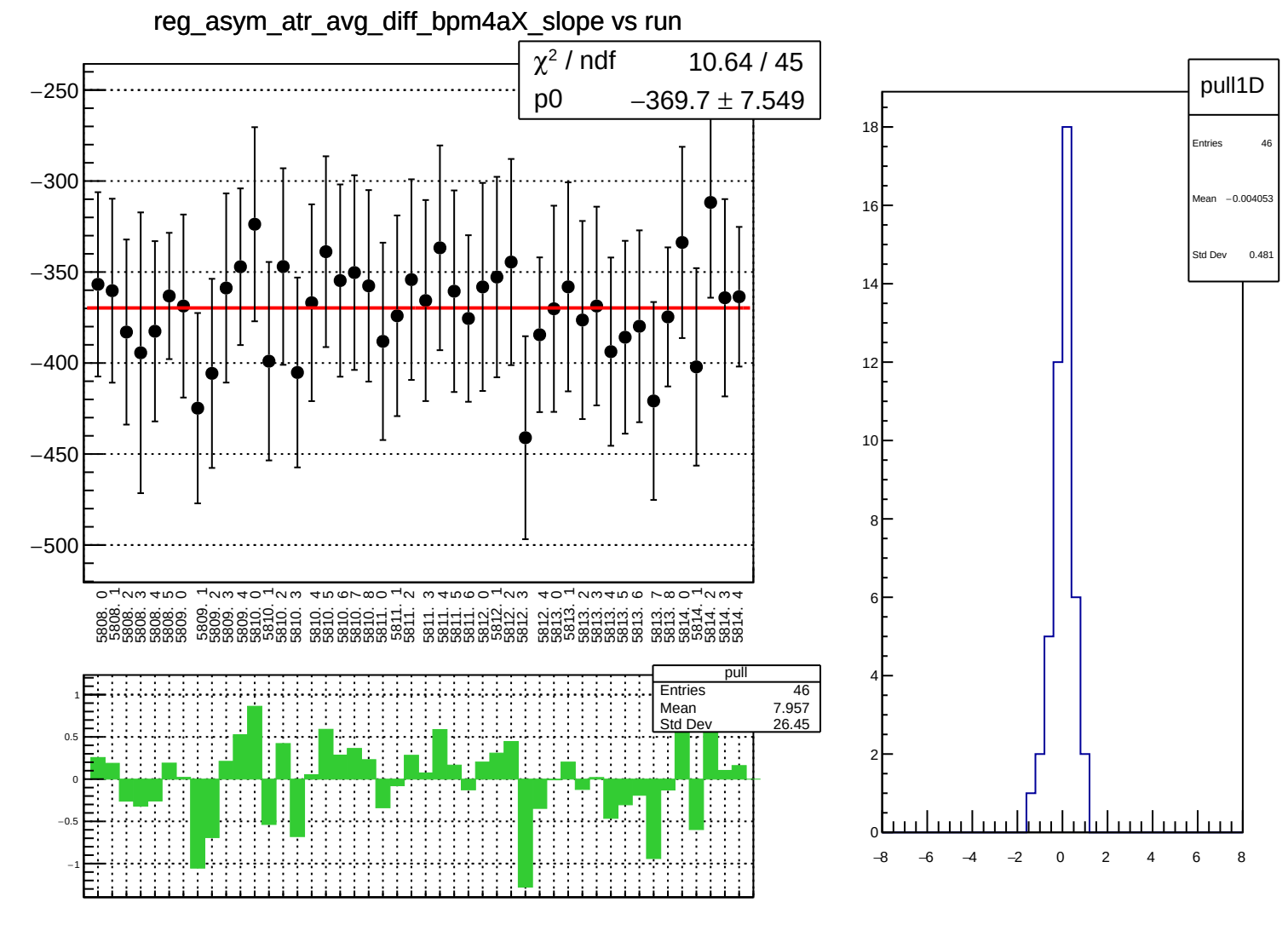

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.53 / 45
p0 −182.7 ± 5.317
−100
−150
−200
−250
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1275
Std Dev 1254
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

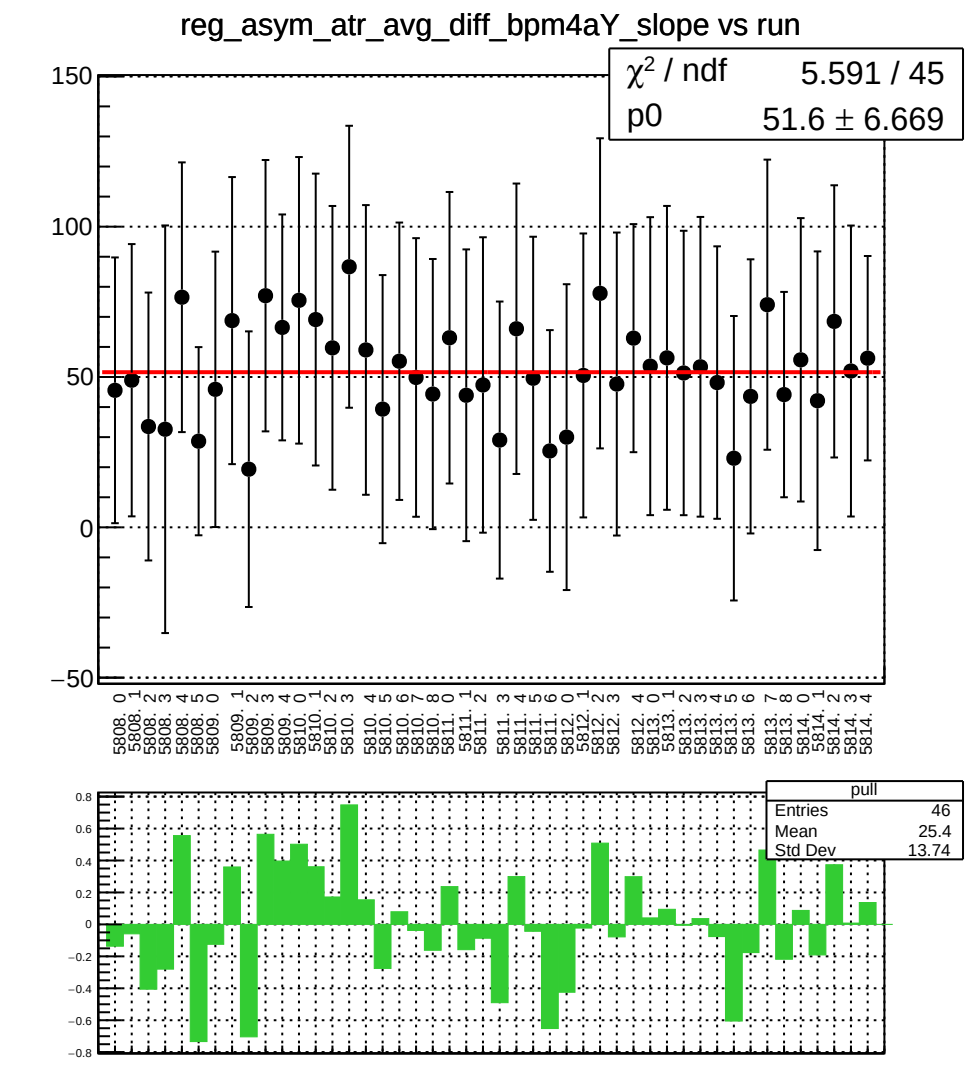

pull1D
Entries 46
Mean −0.0029
Std Dev 0.7875
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

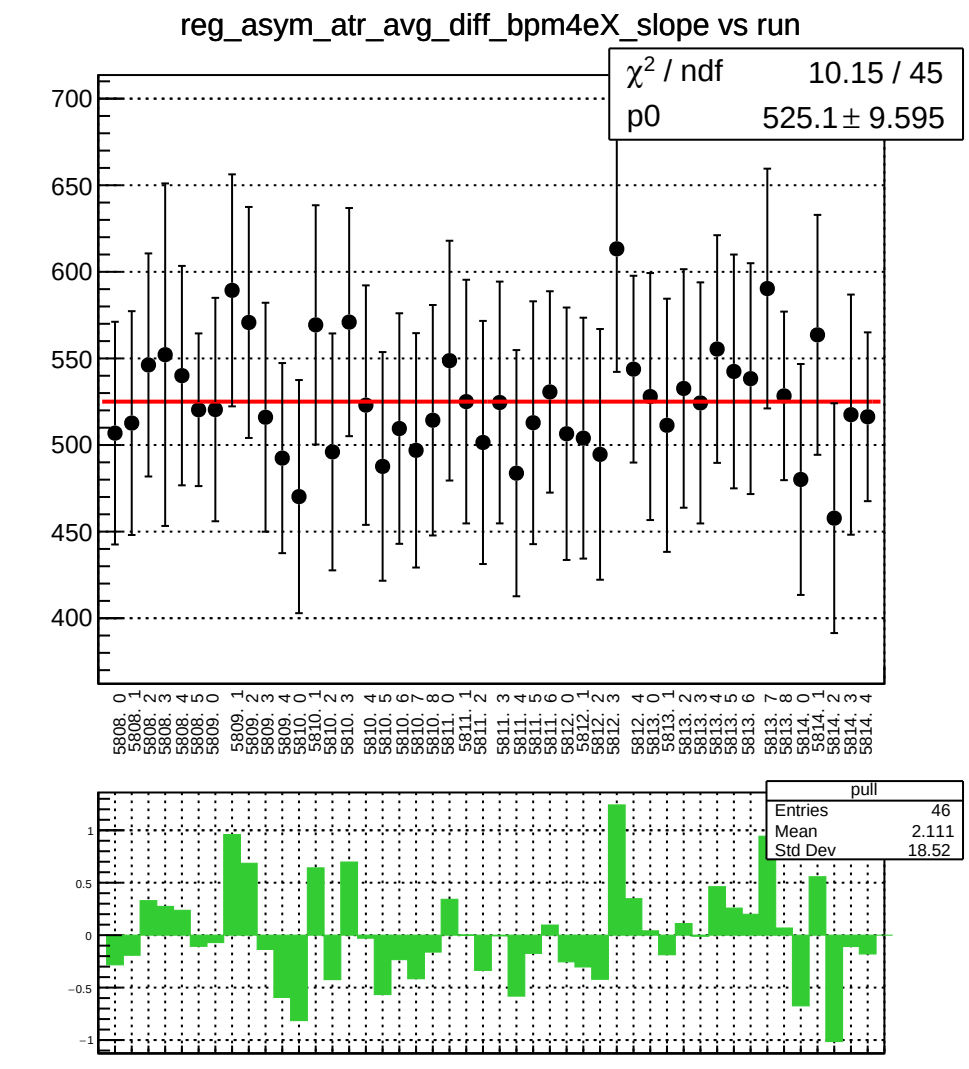

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.23 / 45
p0 −49.77 ± 4.048
pull
Entries 46
Mean 80.65
Std Dev 61.69

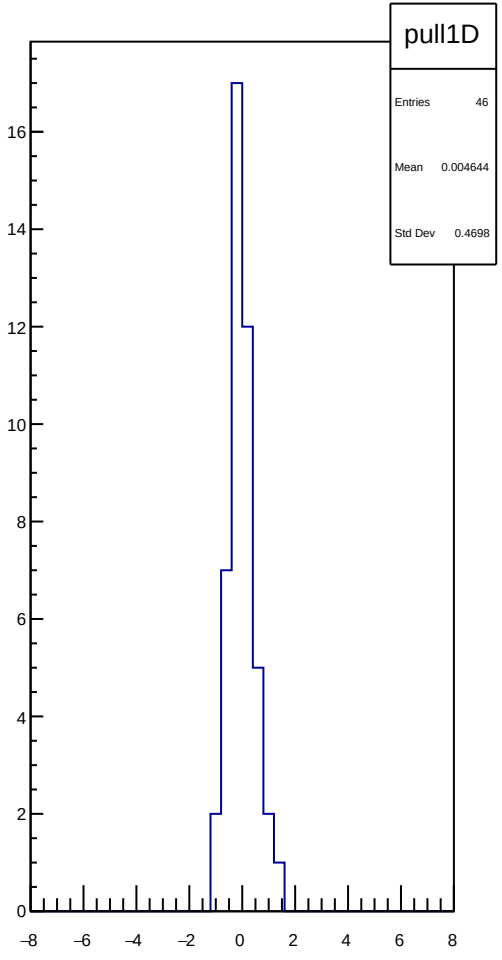

pull1D
Entries 46
Mean 0.01684
Std Dev 0.755

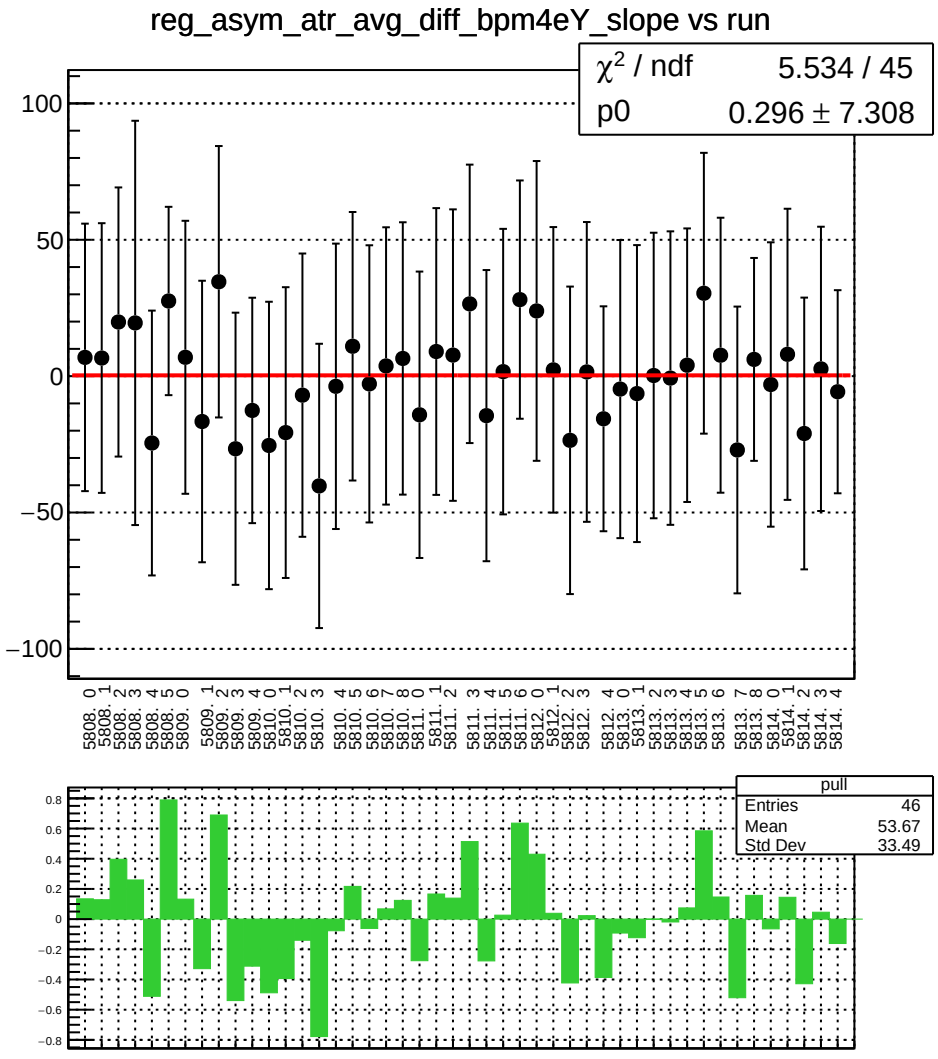

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 24.61 / 45
p0 75.9 ± 0.2416
80
78
76
74
72
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 108.7
Std Dev 85.56
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.01221
Std Dev 0.7313
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

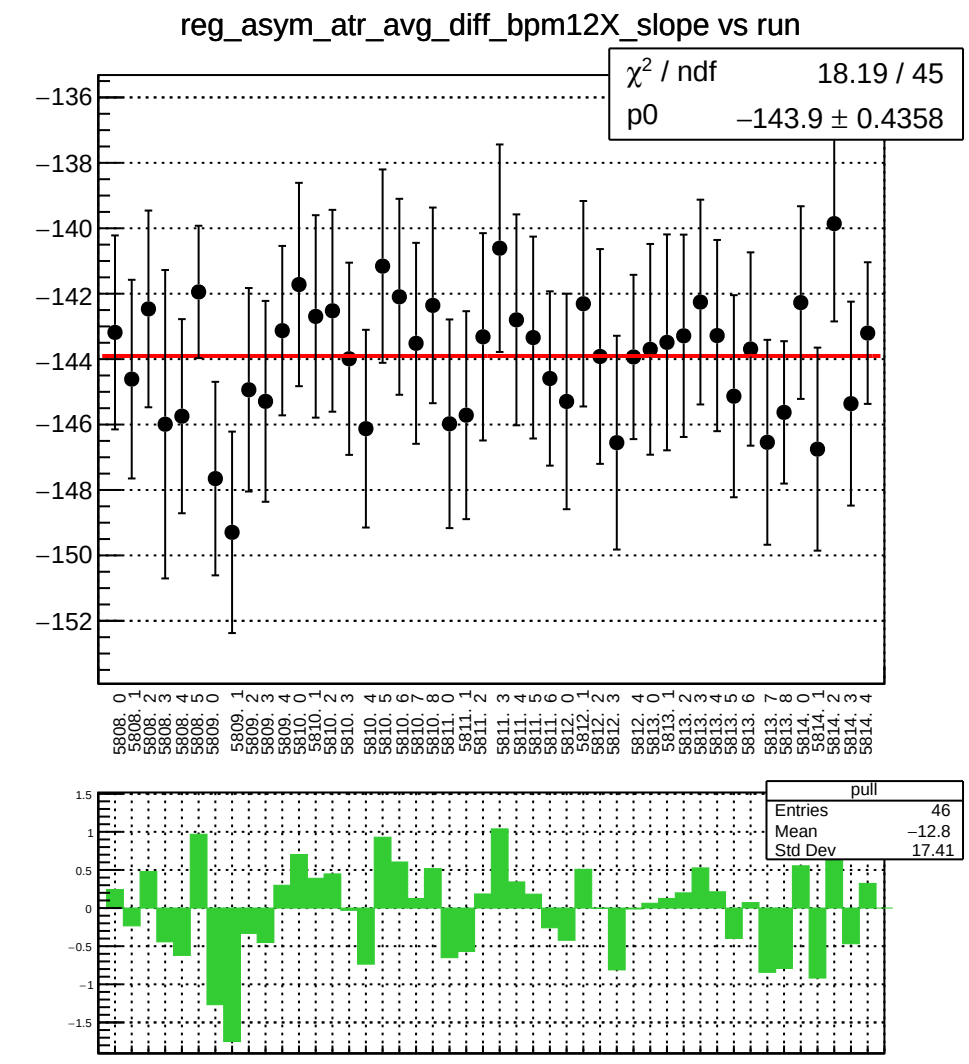

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.64 / 45
p0 −369.7 ± 7.549
−250
−300
−350
−400
−450
−500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 7.957
Std Dev 26.45
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.004053
Std Dev 0.481
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

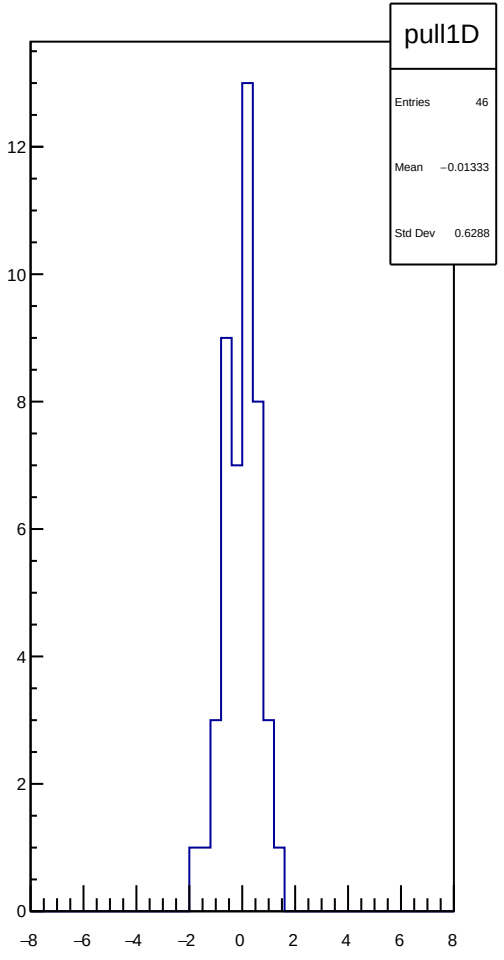

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.591 / 45
p0 51.6 ± 6.669
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 25.4
Std Dev 13.74
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.007188
Std Dev 0.3486
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

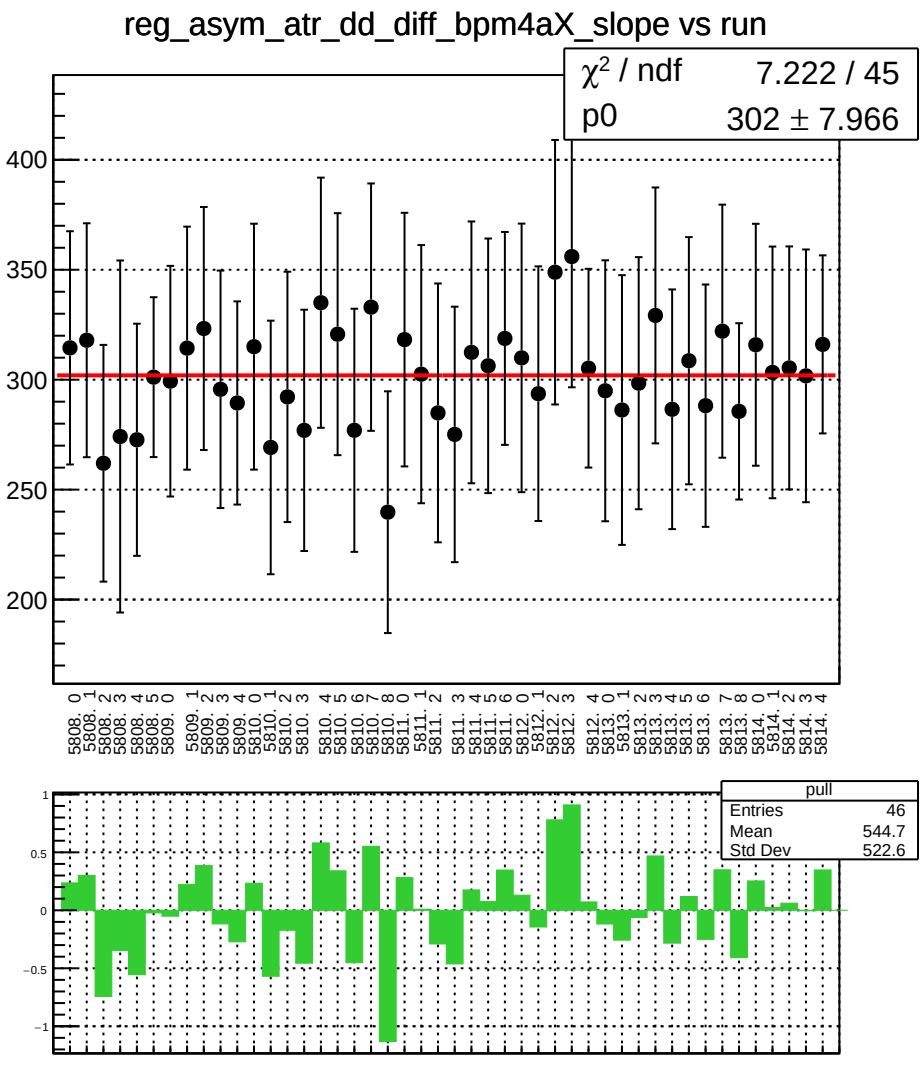

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.15 / 45
p0 525.1 ± 9.595
700
650
600
550
500
450
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 2.111
Std Dev 18.52
1
0.5
0
−0.5
−1

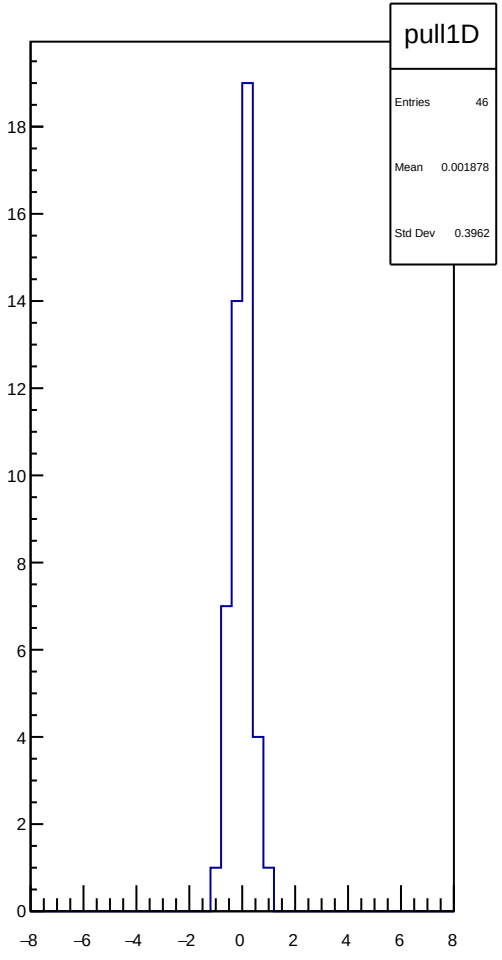

pull1D
Entries 46
Mean 0.004644
Std Dev 0.4698
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

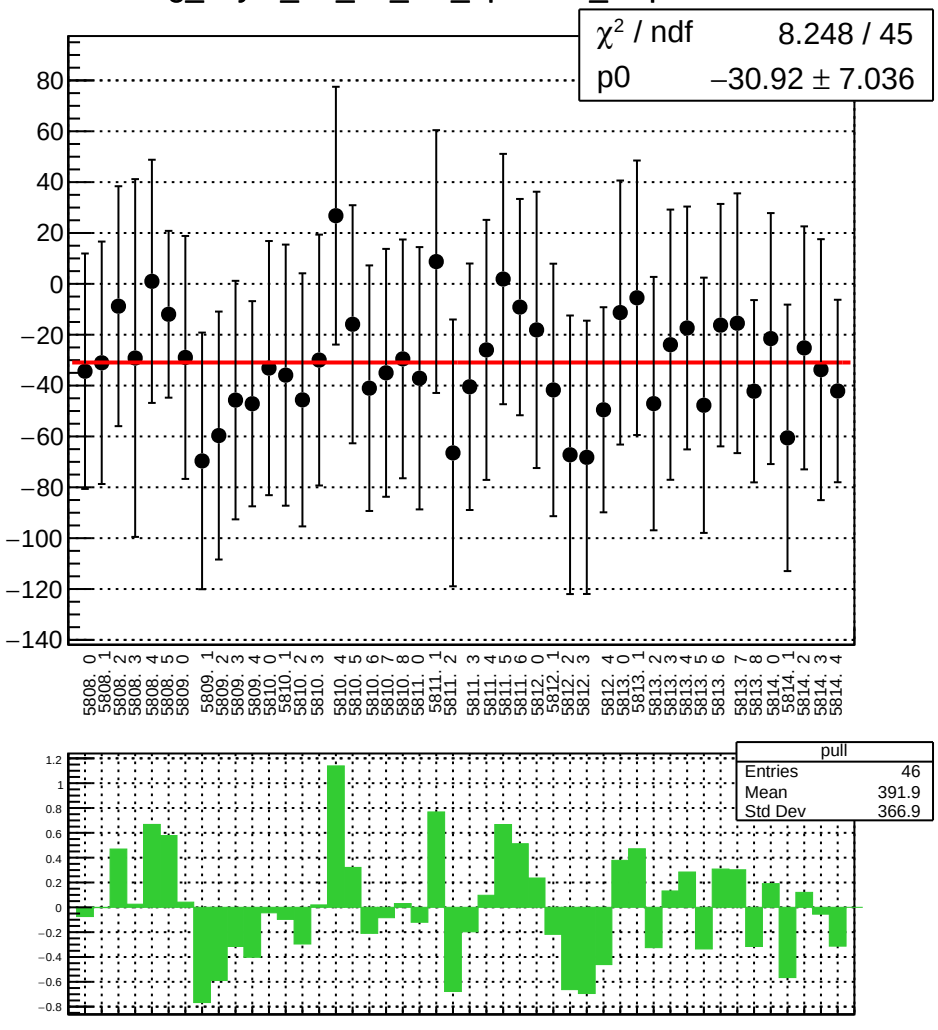

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.534 / 45
p0 0.296 ± 7.308
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 53.67
Std Dev 33.49
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean −0.007304
Std Dev 0.3468
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

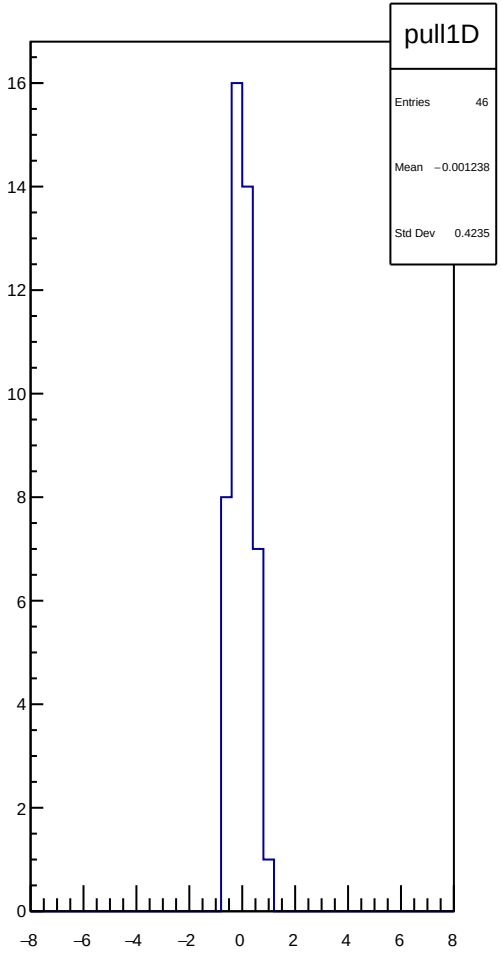

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 18.19 / 45
p0 −143.9 ± 0.4358
pull
Entries 46
Mean −12.8
Std Dev 17.41

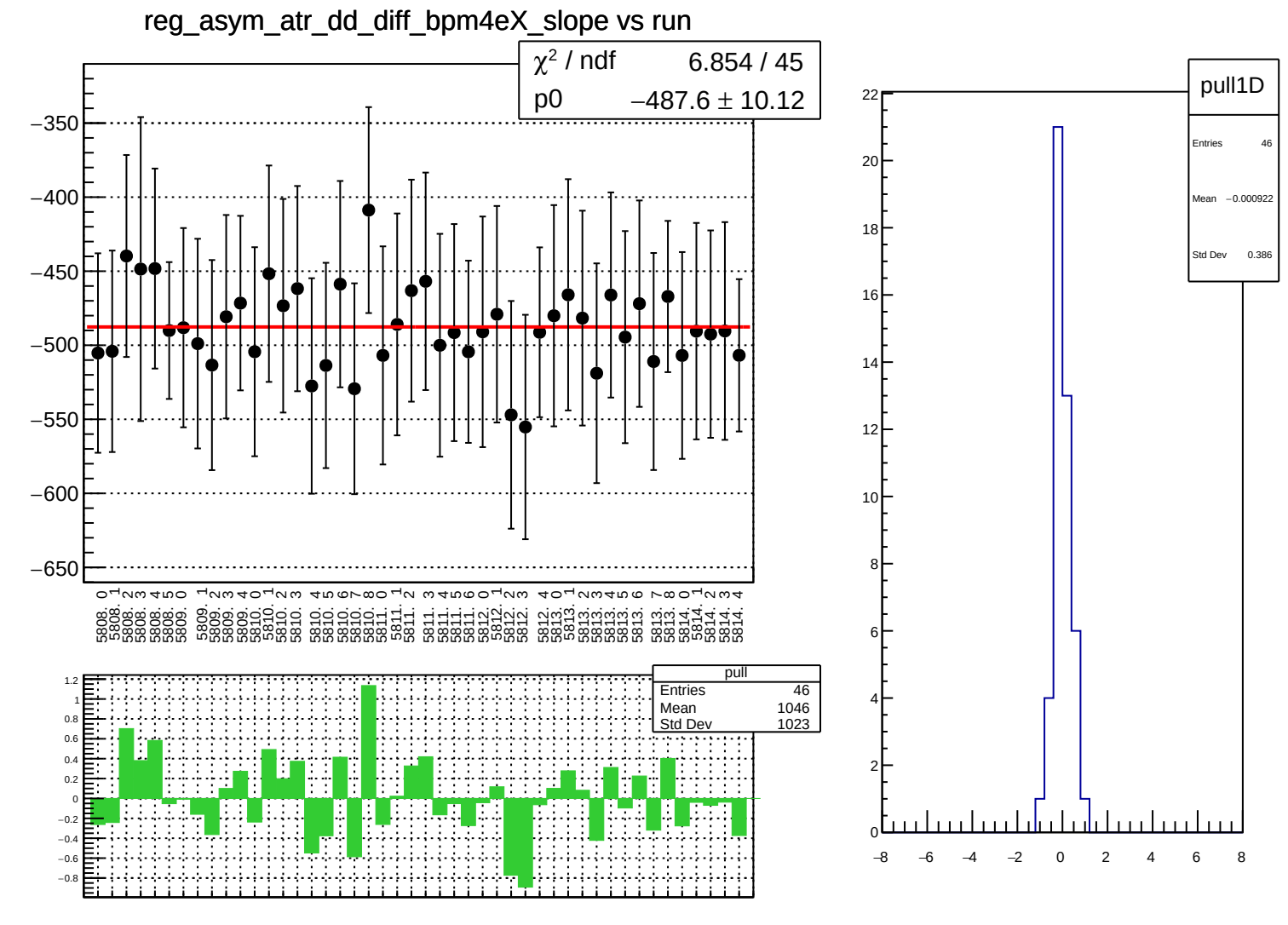

pull1D
Entries 46
Mean −0.01333
Std Dev 0.6288

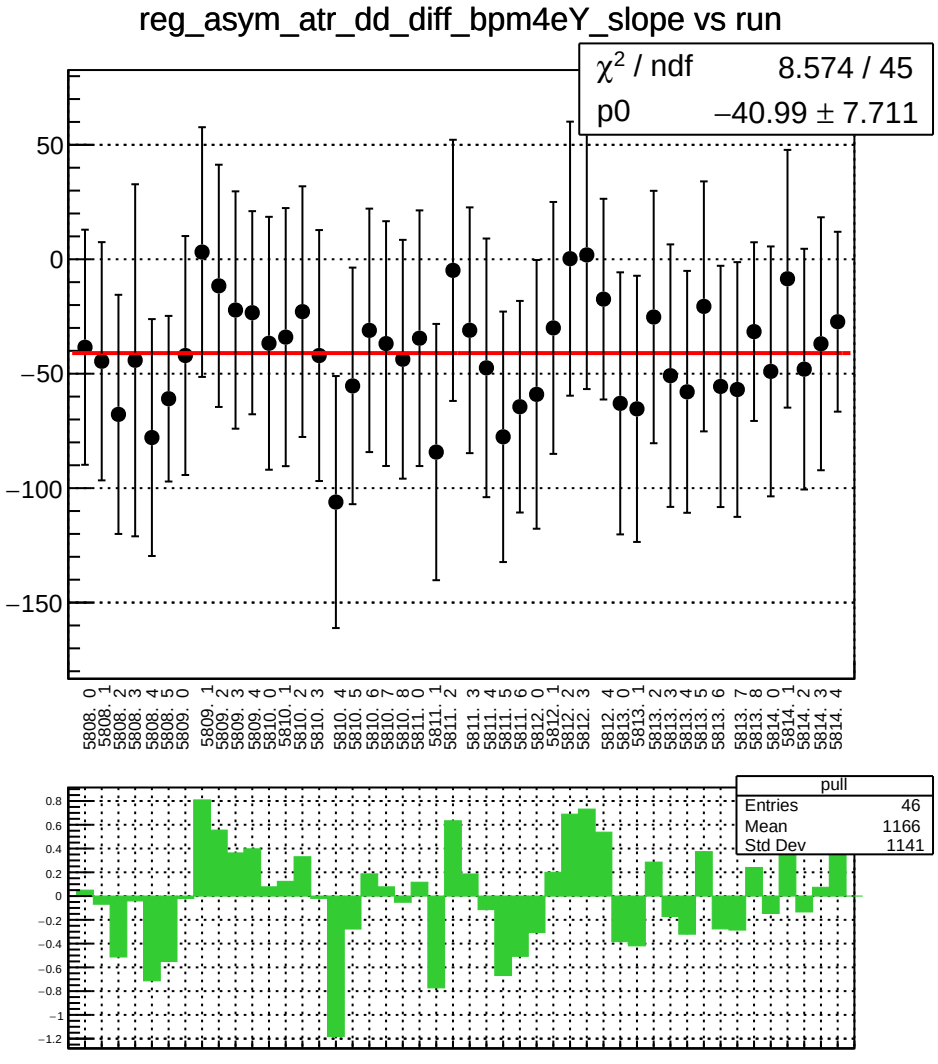

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.222 / 45
p0 302 ± 7.966
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 544.7
Std Dev 522.6
1
0.5
0
−0.5
−1

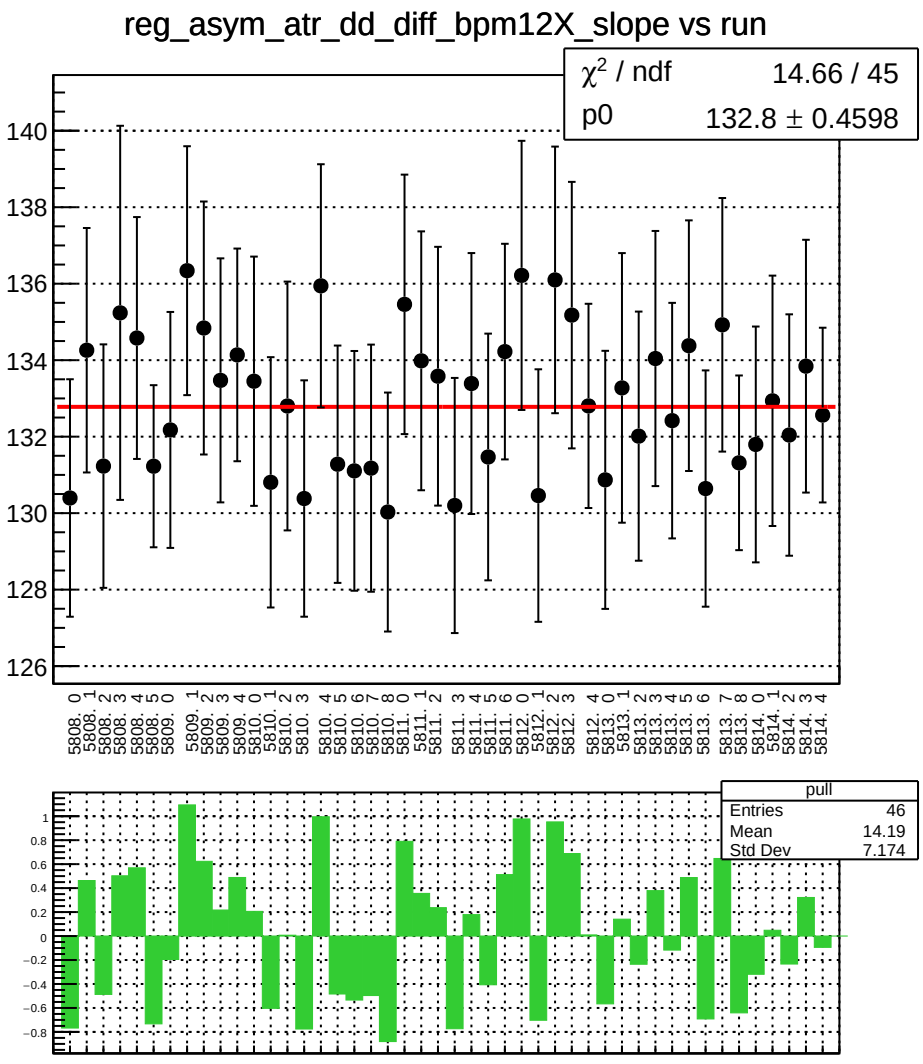

pull1D
Entries 46
Mean 0.001878
Std Dev 0.3962
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

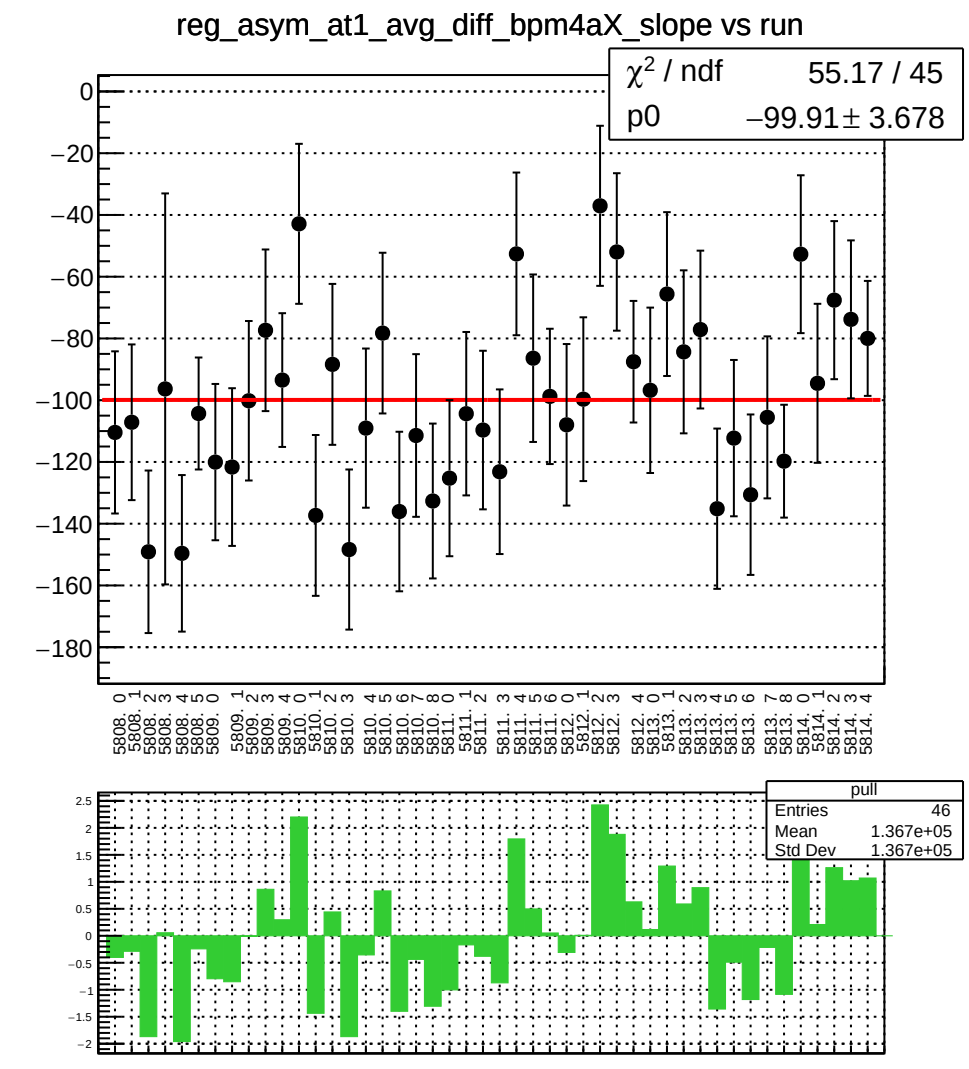

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.248 / 45
p0 −30.92 ± 7.036
pull
Entries 46
Mean 391.9
Std Dev 366.9

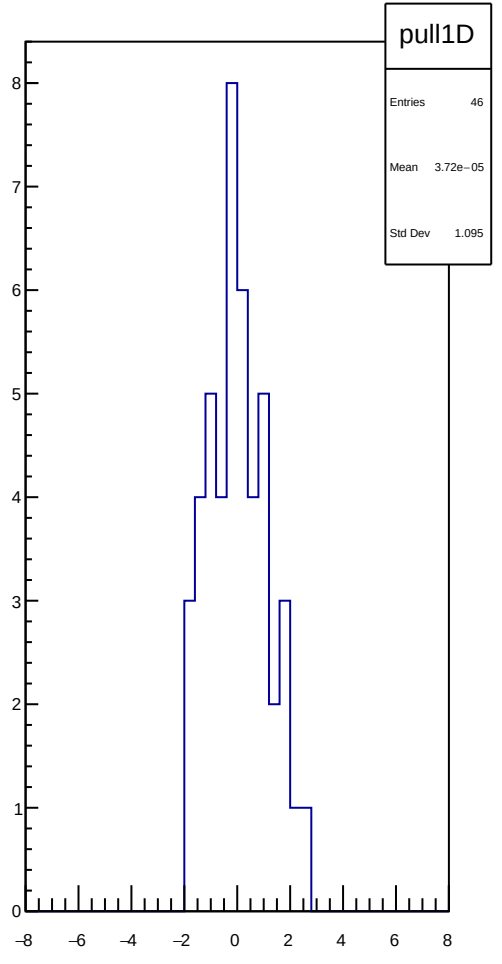

pull1D
Entries 46
Mean −0.001238
Std Dev 0.4235

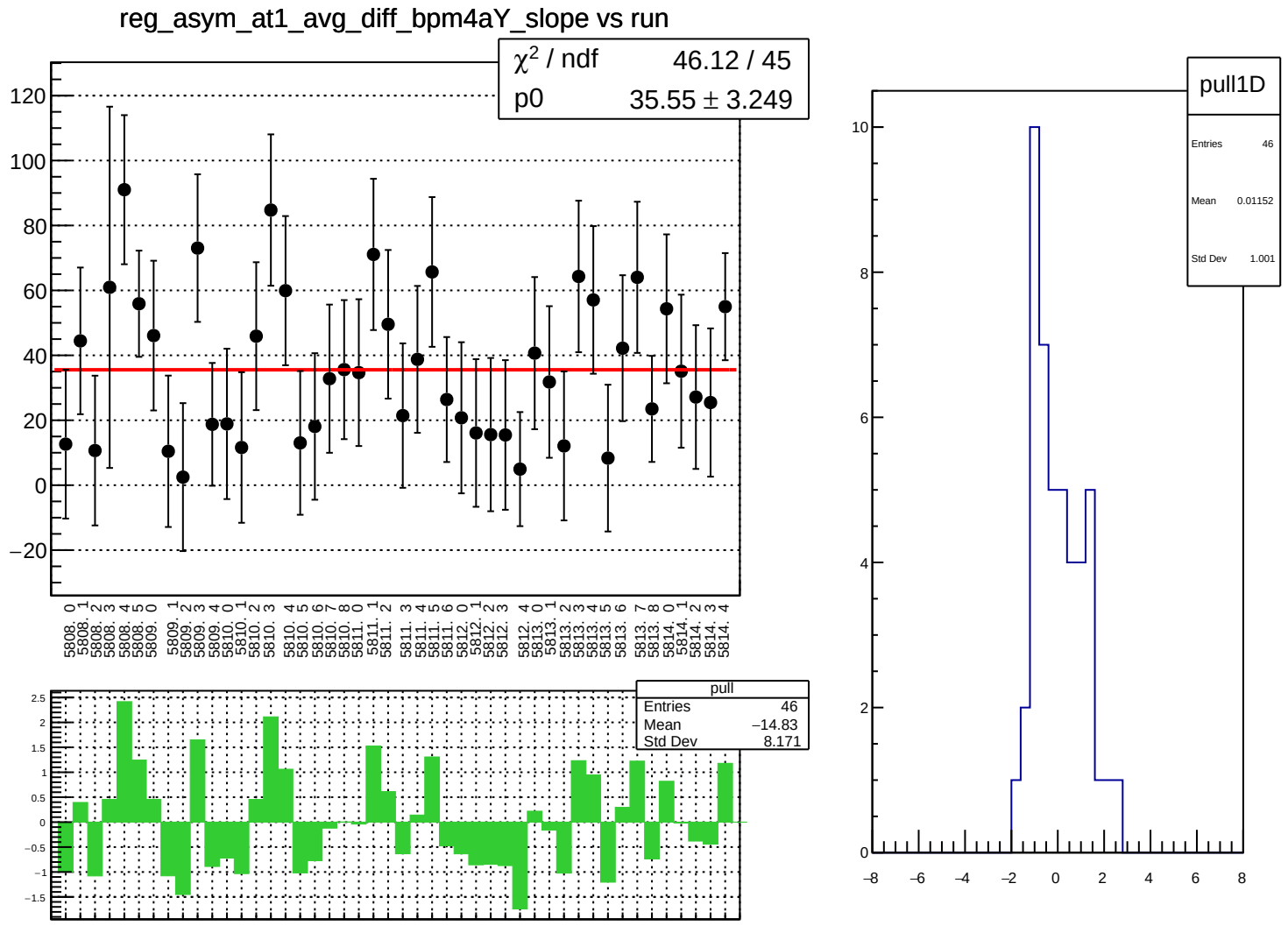

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.854 / 45
p0 −487.6 ± 10.12
pull
Entries 46
Mean 1046
Std Dev 1023
pull1D
Entries 46
Mean −0.000922
Std Dev 0.386

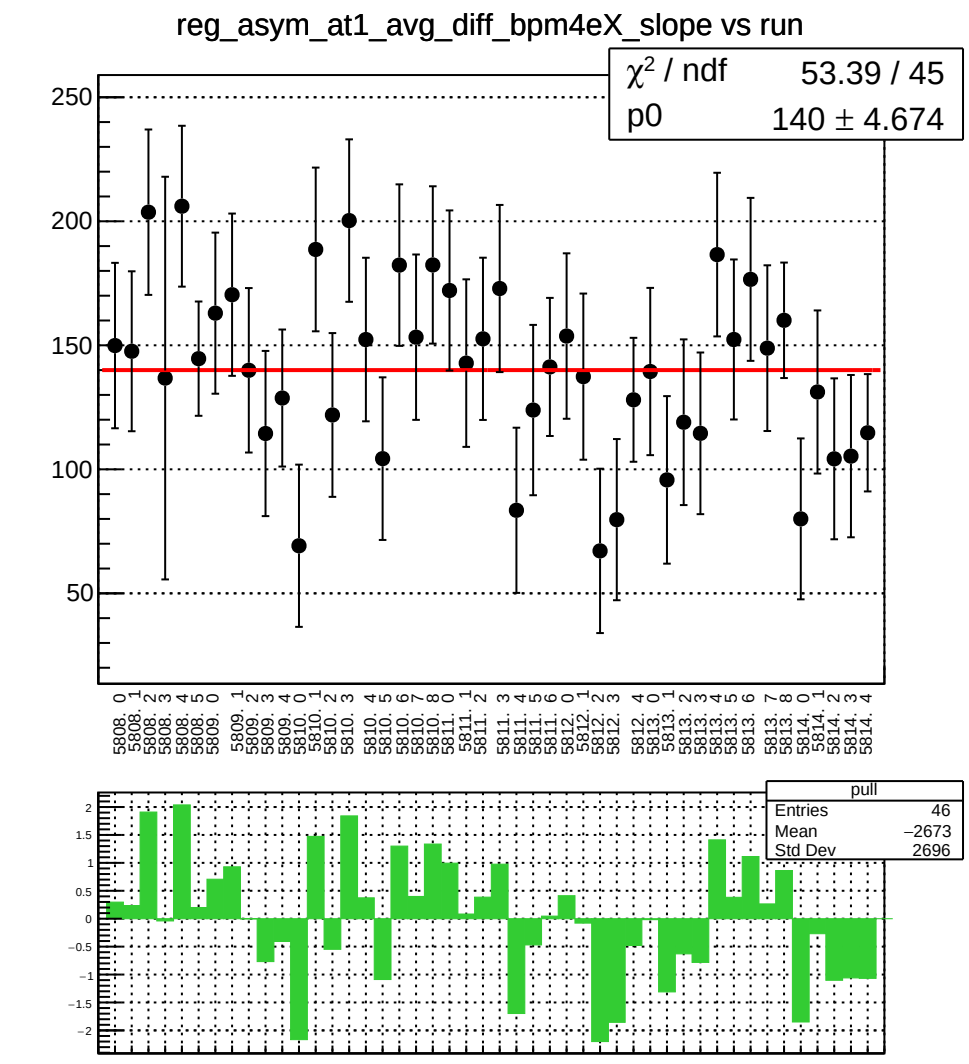

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.574 / 45
p0 −40.99 ± 7.711
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1166
Std Dev 1141
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 46
Mean 0.0004677
Std Dev 0.4317
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

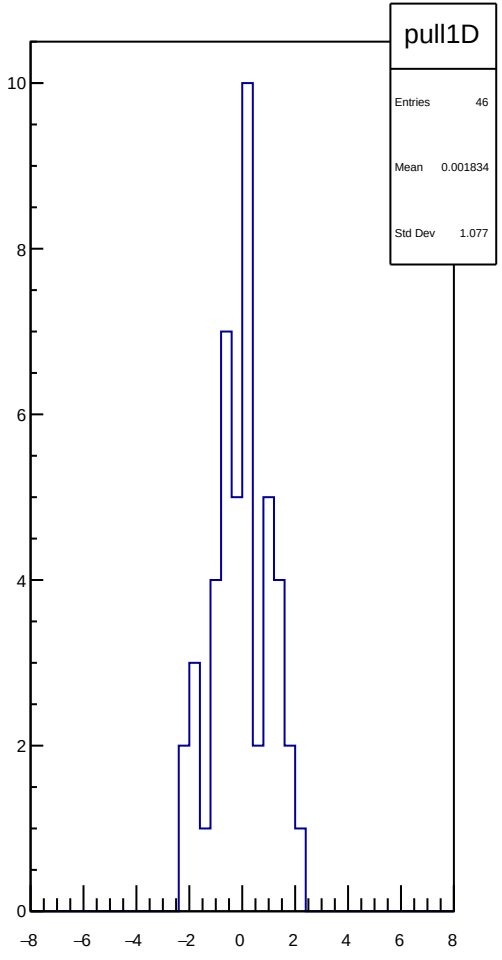

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 14.66 / 45
p0 132.8 ± 0.4598
140
138
136
134
132
130
128
126
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 14.19
Std Dev 7.174
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.02511
Std Dev 0.564
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

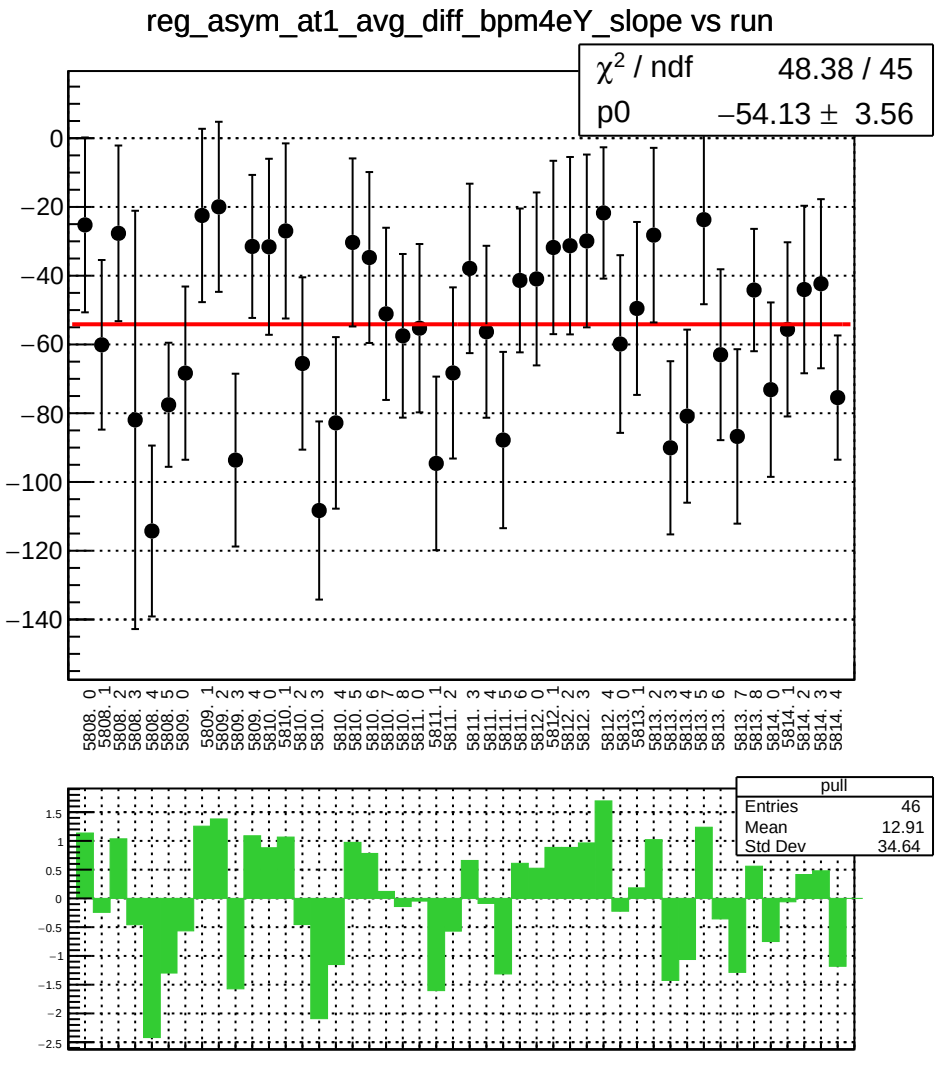

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 55.17 / 45
p0 −99.91 ± 3.678
pull
Entries 46
Mean 1.367e+05
Std Dev 1.367e+05

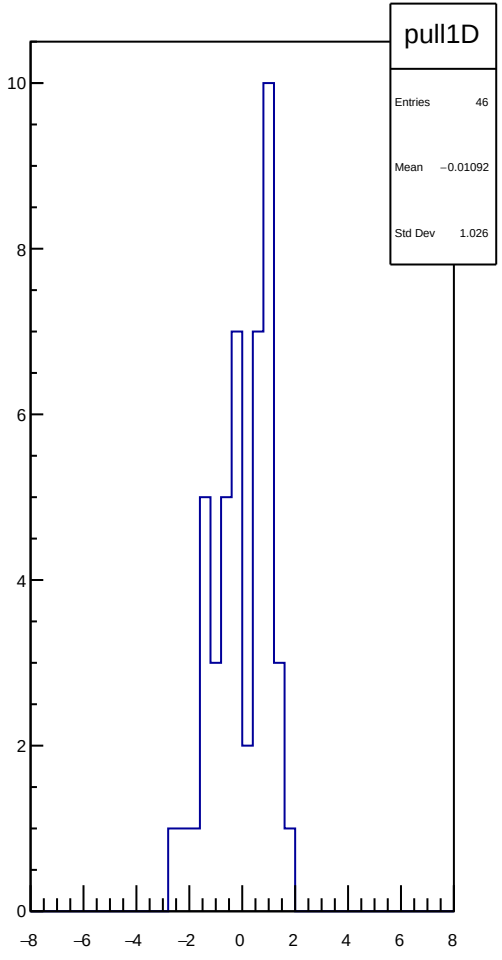

pull1D
Entries 46
Mean 3.72e−05
Std Dev 1.095

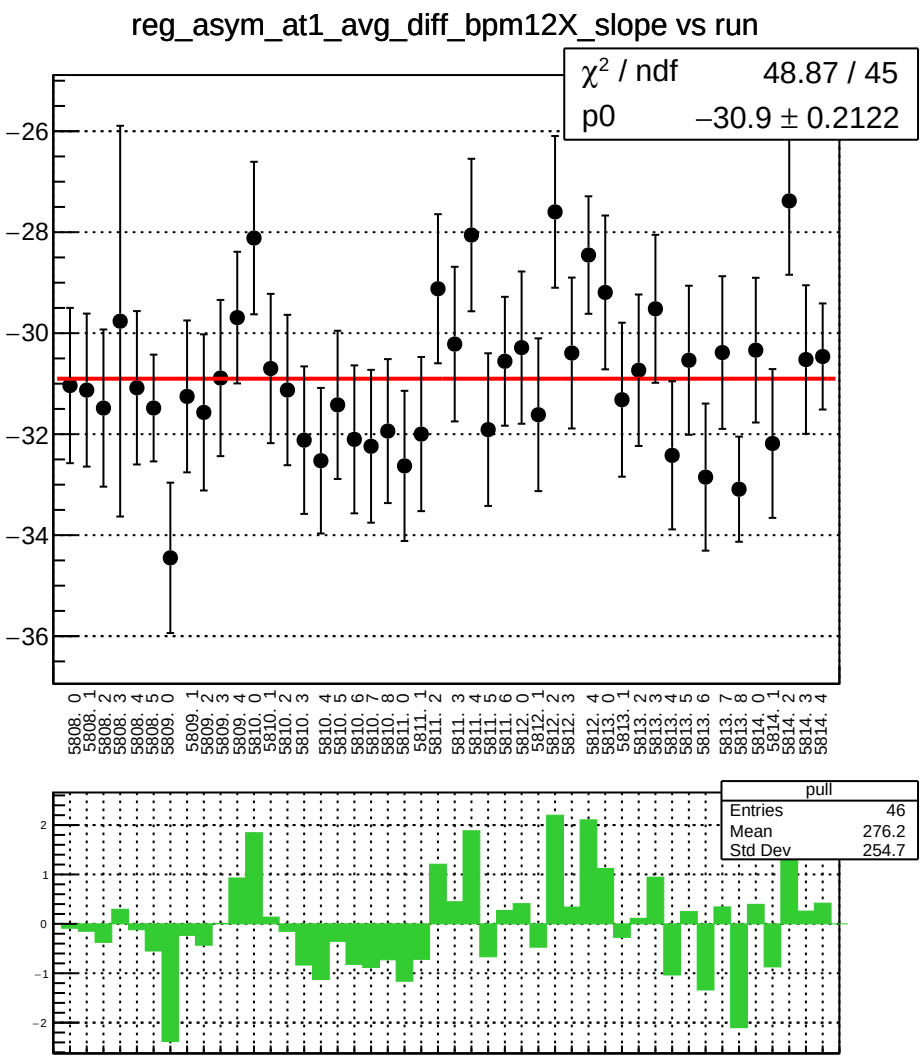

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.12 / 45
p0 35.55 ± 3.249
pull
Entries 46
Mean −14.83
Std Dev 8.171
pull1D
Entries 46
Mean 0.01152
Std Dev 1.001

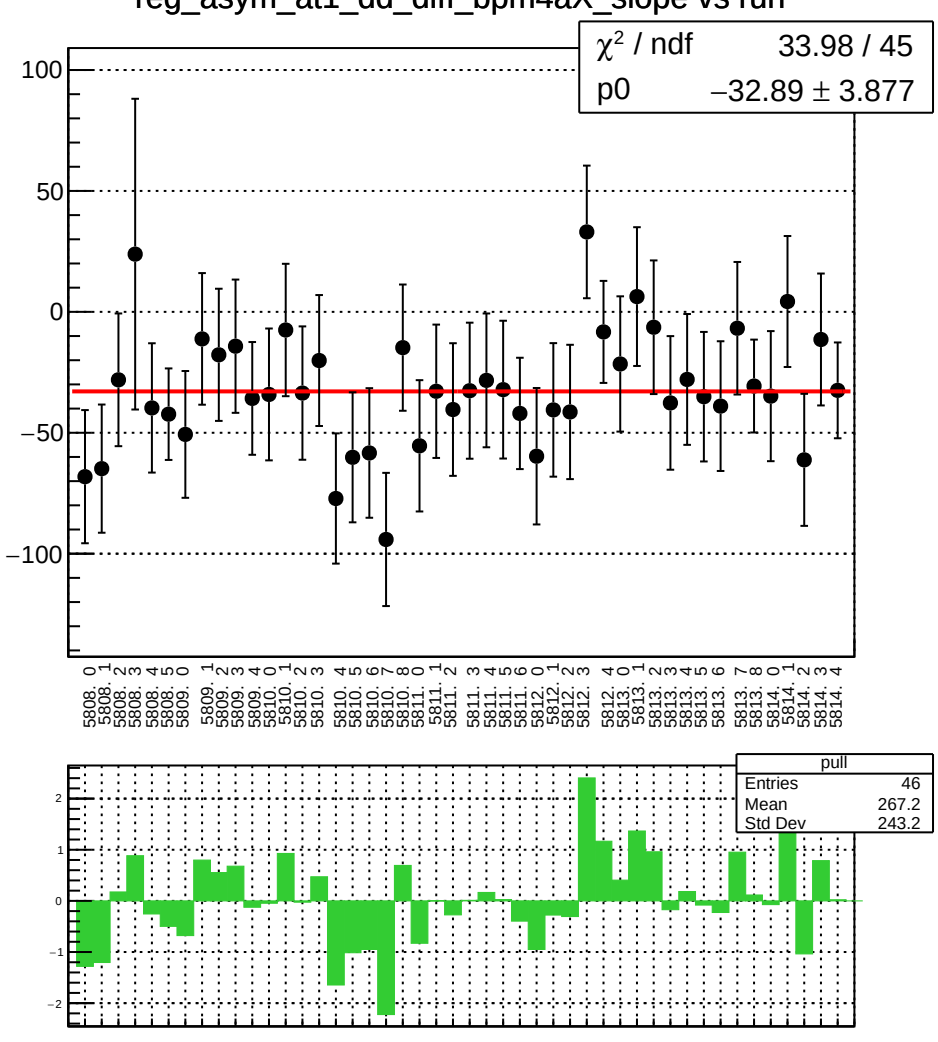

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.39 / 45
p0 140 ± 4.674
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −2673
Std Dev 2696
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

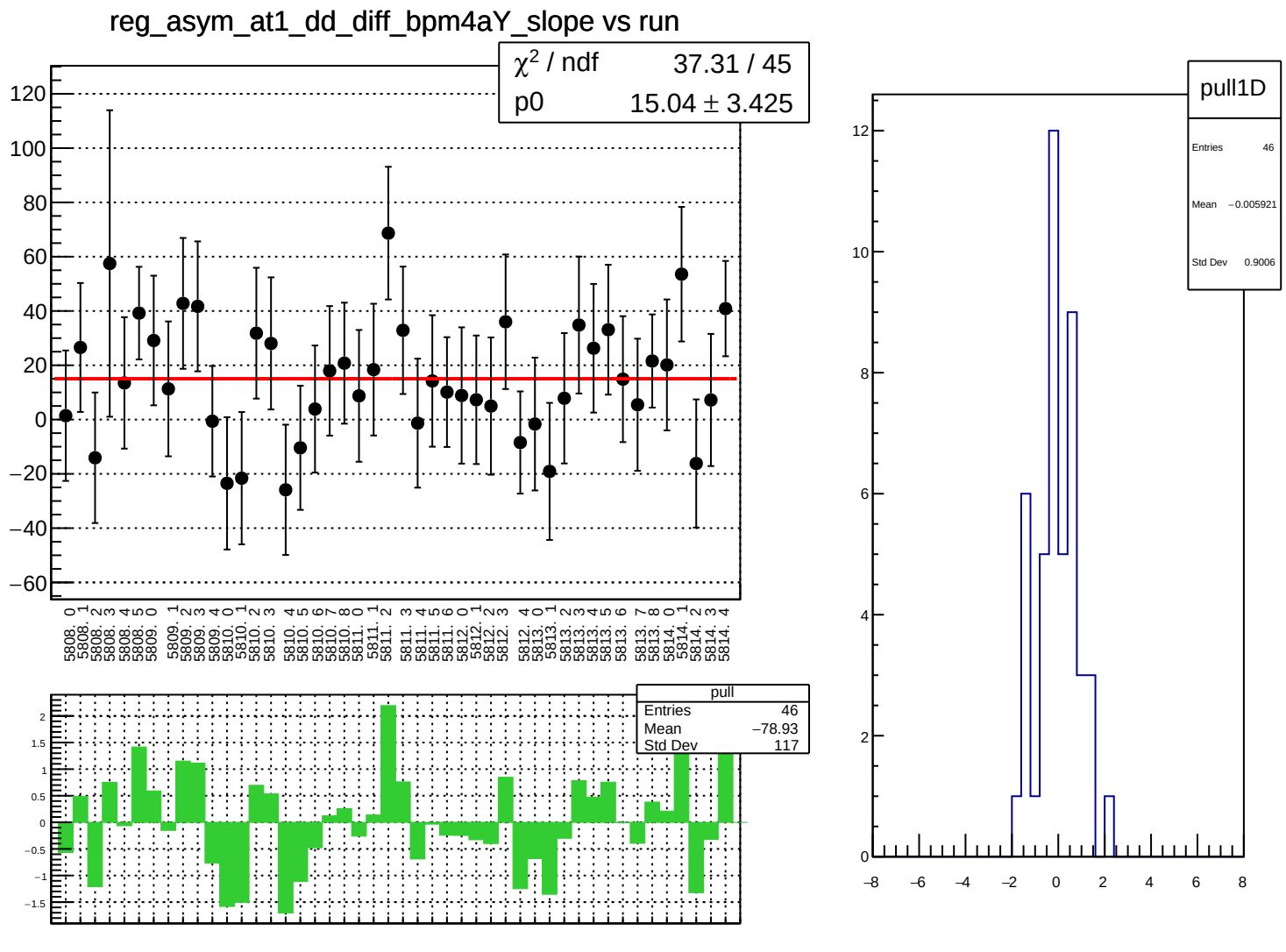

pull1D
Entries 46
Mean 0.001834
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

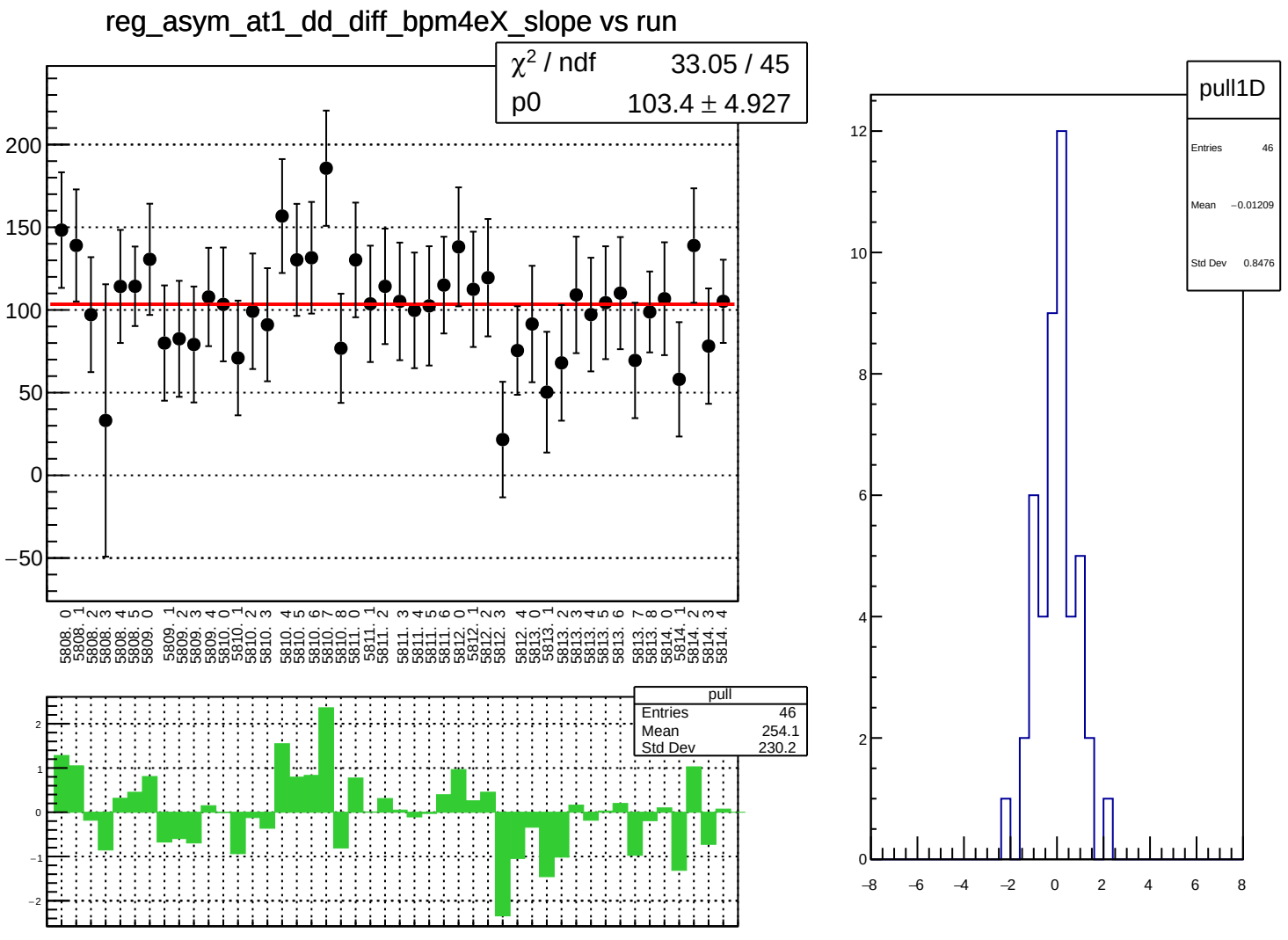

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.38 / 45
p0 −54.13 ± 3.56
pull
Entries 46
Mean 12.91
Std Dev 34.64

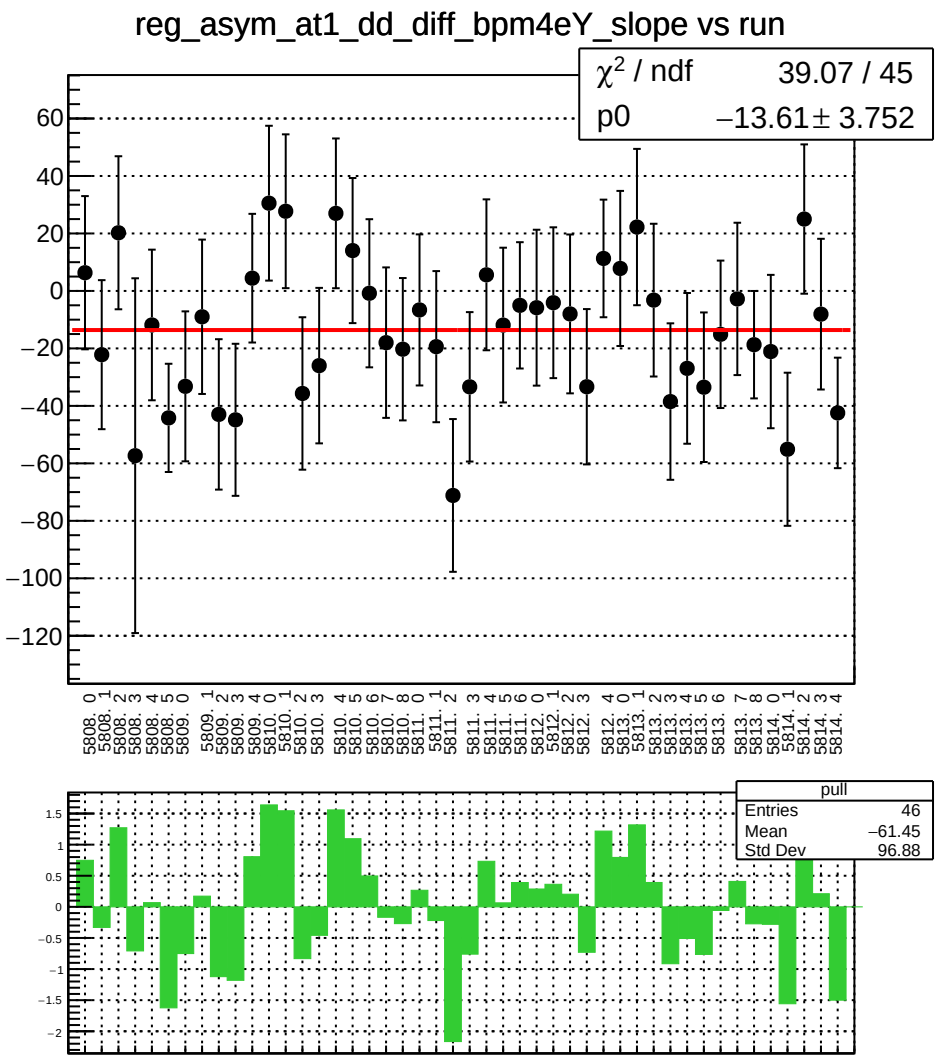

pull1D
Entries 46
Mean −0.01092
Std Dev 1.026

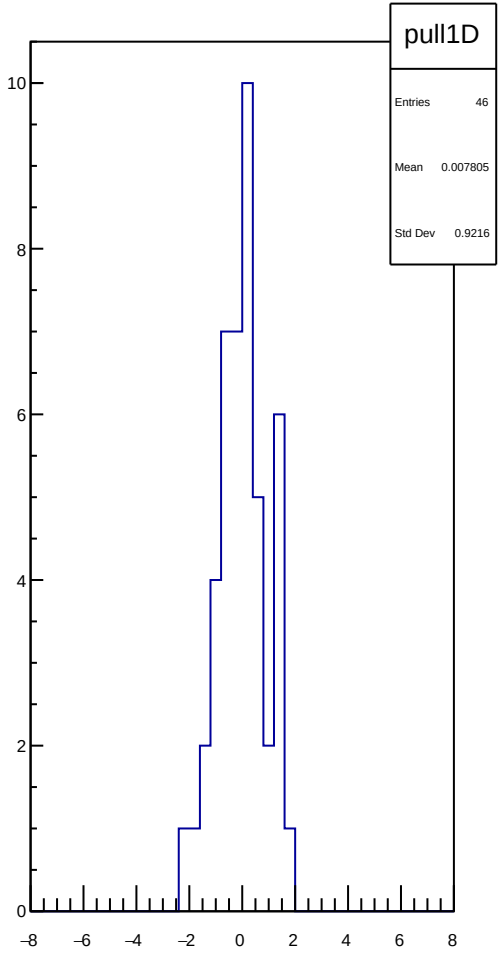

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 48.87 / 45
p0 −30.9 ± 0.2122
−26
−28
−30
−32
−34
−36
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 276.2
Std Dev 254.7
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.01004
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

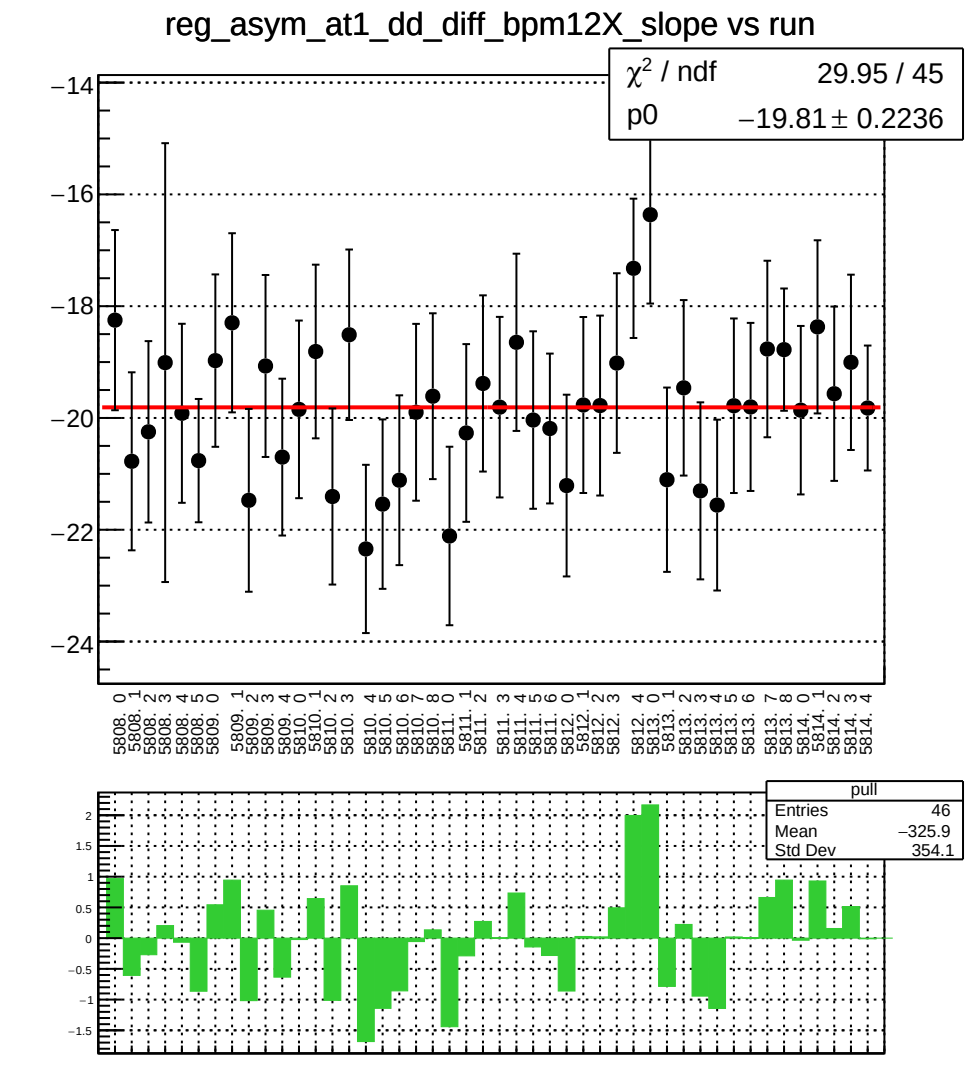

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 33.98 / 45
p0 −32.89 ± 3.877
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 267.2
Std Dev 243.2
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.012
Std Dev 0.8594
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

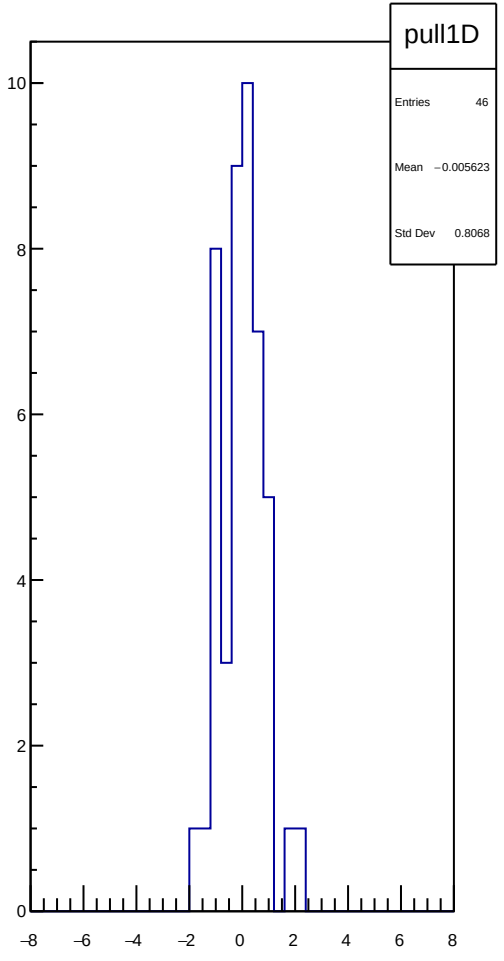

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.31 / 45
p0 15.04 ± 3.425
pull
Entries 46
Mean −78.93
Std Dev 117
pull1D
Entries 46
Mean −0.005921
Std Dev 0.9006

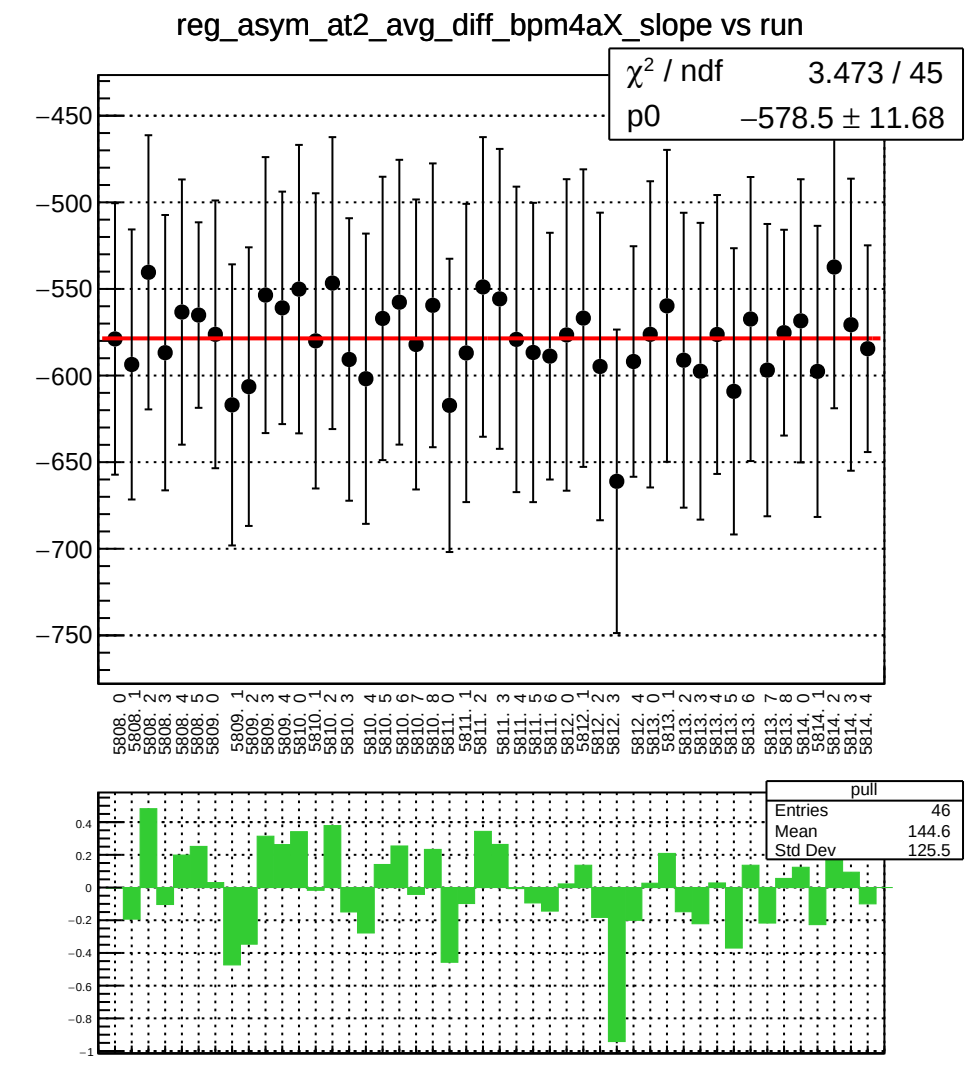

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.05 / 45
p0 103.4 ± 4.927
200
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 254.1
Std Dev 230.2
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01209
Std Dev 0.8476
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

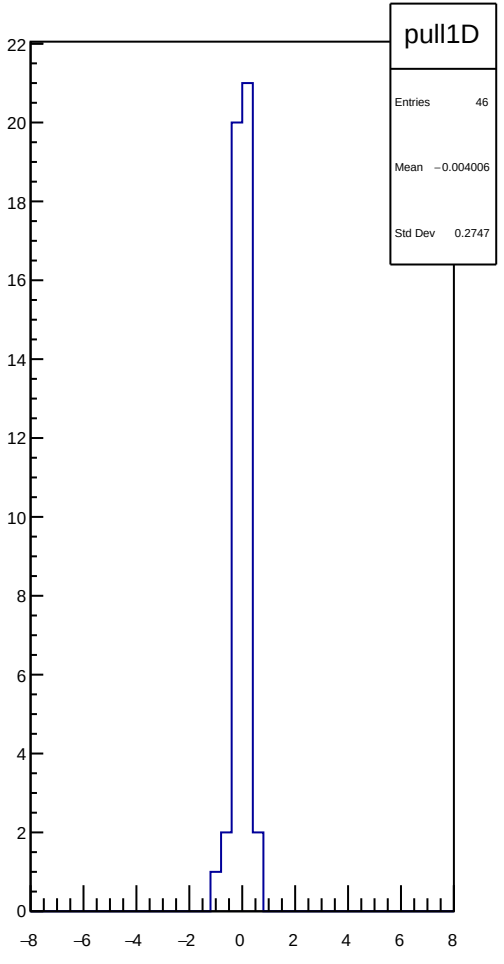

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.07 / 45
p0 −13.61± 3.752
pull
Entries 46
Mean −61.45
Std Dev 96.88

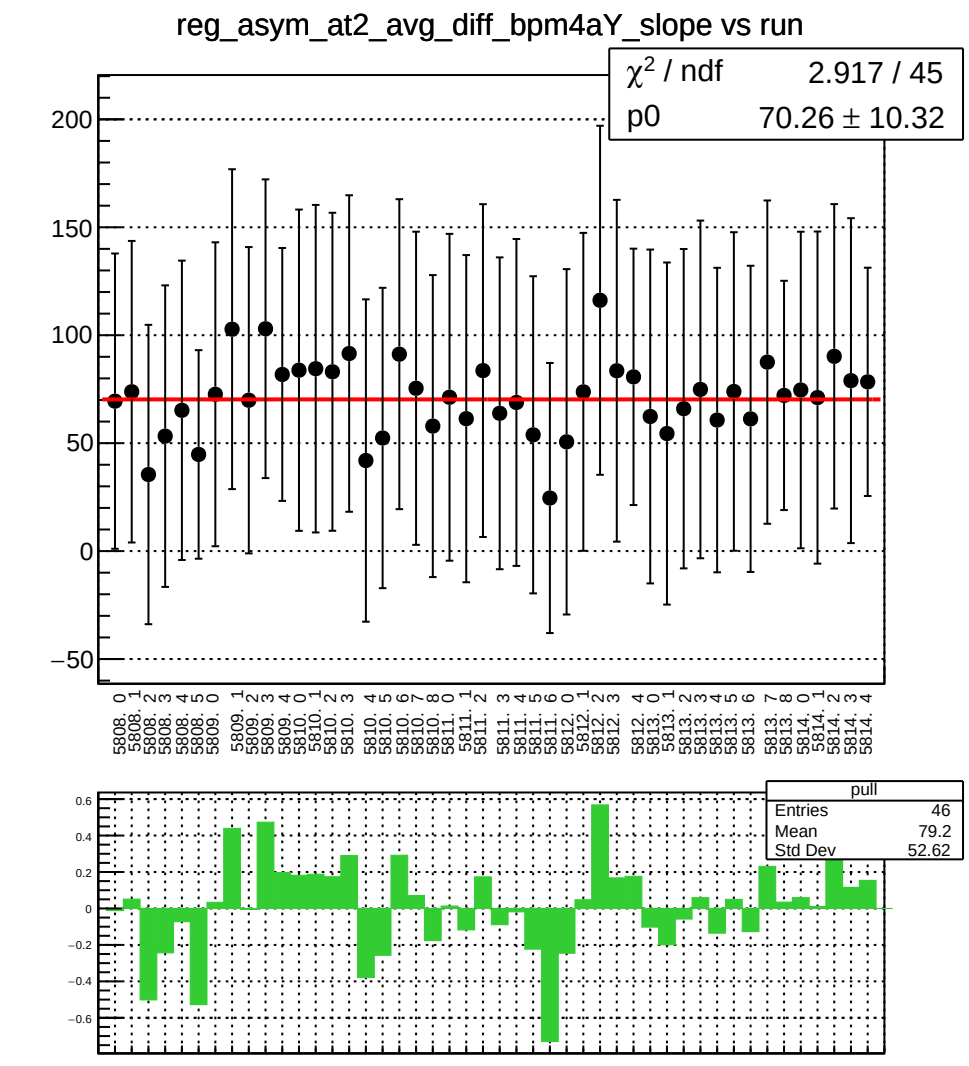

pull1D
Entries 46
Mean 0.007805
Std Dev 0.9216

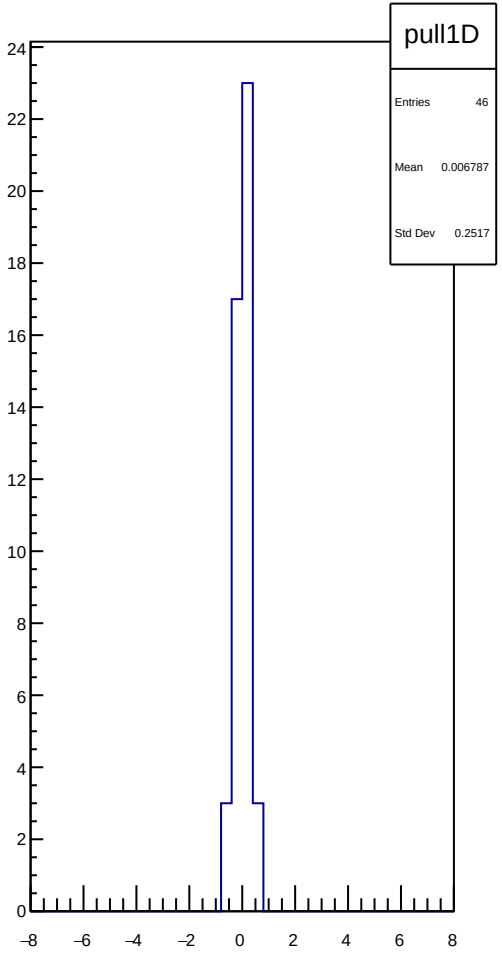

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 29.95 / 45
p0 −19.81 ± 0.2236
pull
Entries 46
Mean −325.9
Std Dev 354.1

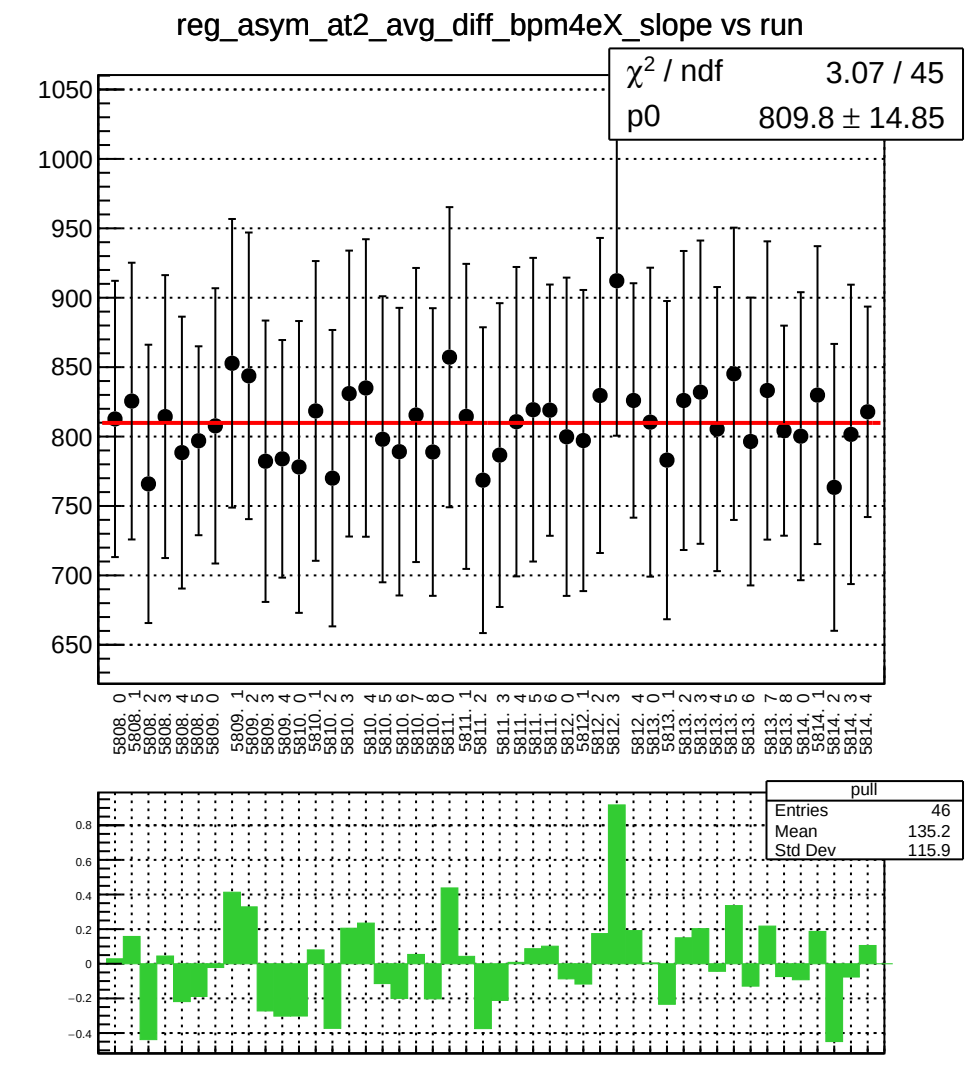

pull1D
Entries 46
Mean −0.005623
Std Dev 0.8068

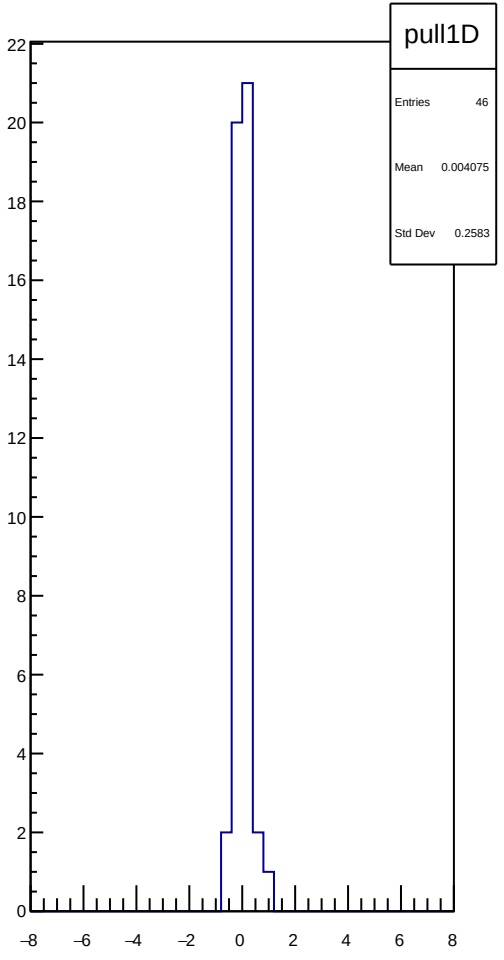

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.473 / 45
p0 −578.5 ± 11.68
pull
Entries 46
Mean 144.6
Std Dev 125.5

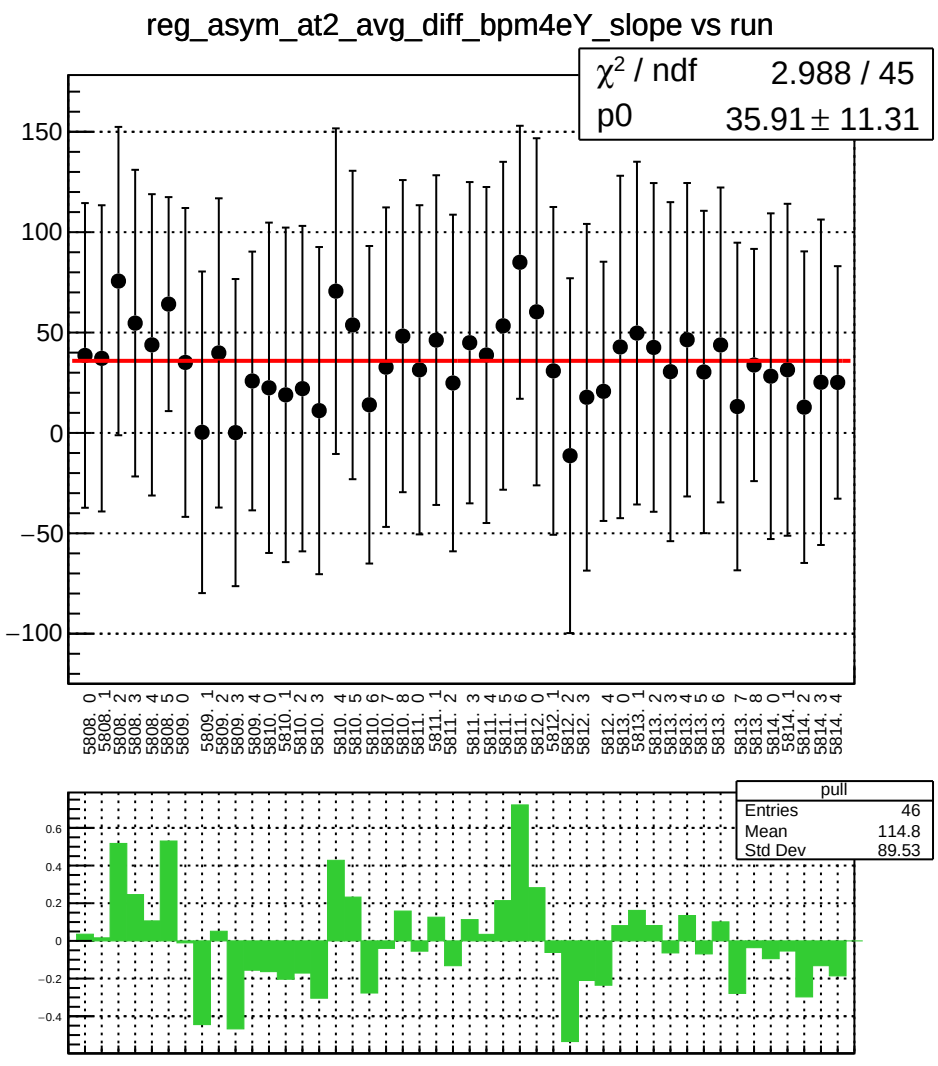

pull1D
Entries 46
Mean −0.004006
Std Dev 0.2747

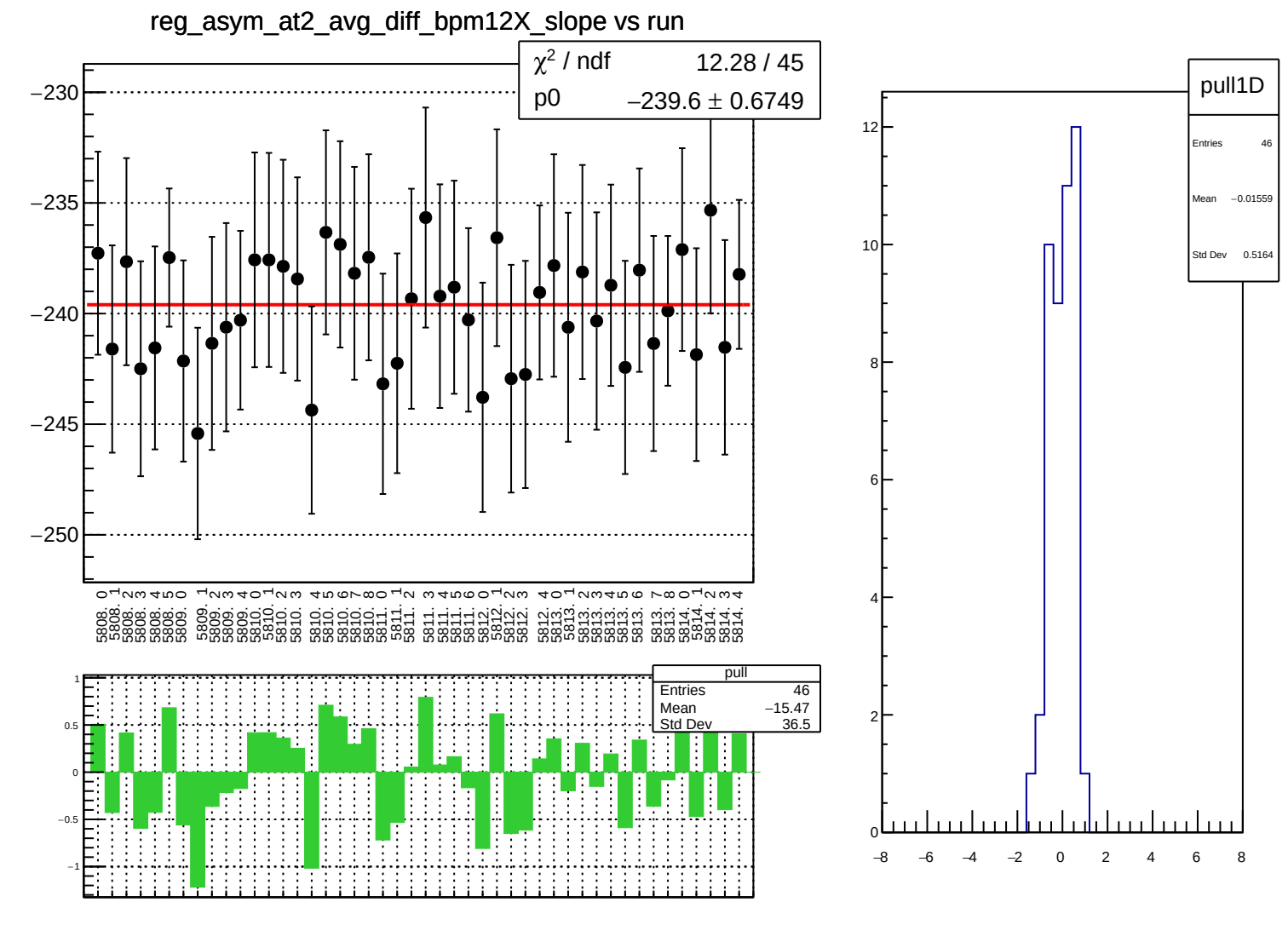

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.917 / 45
p0 70.26 ± 10.32
200
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 79.2
Std Dev 52.62
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

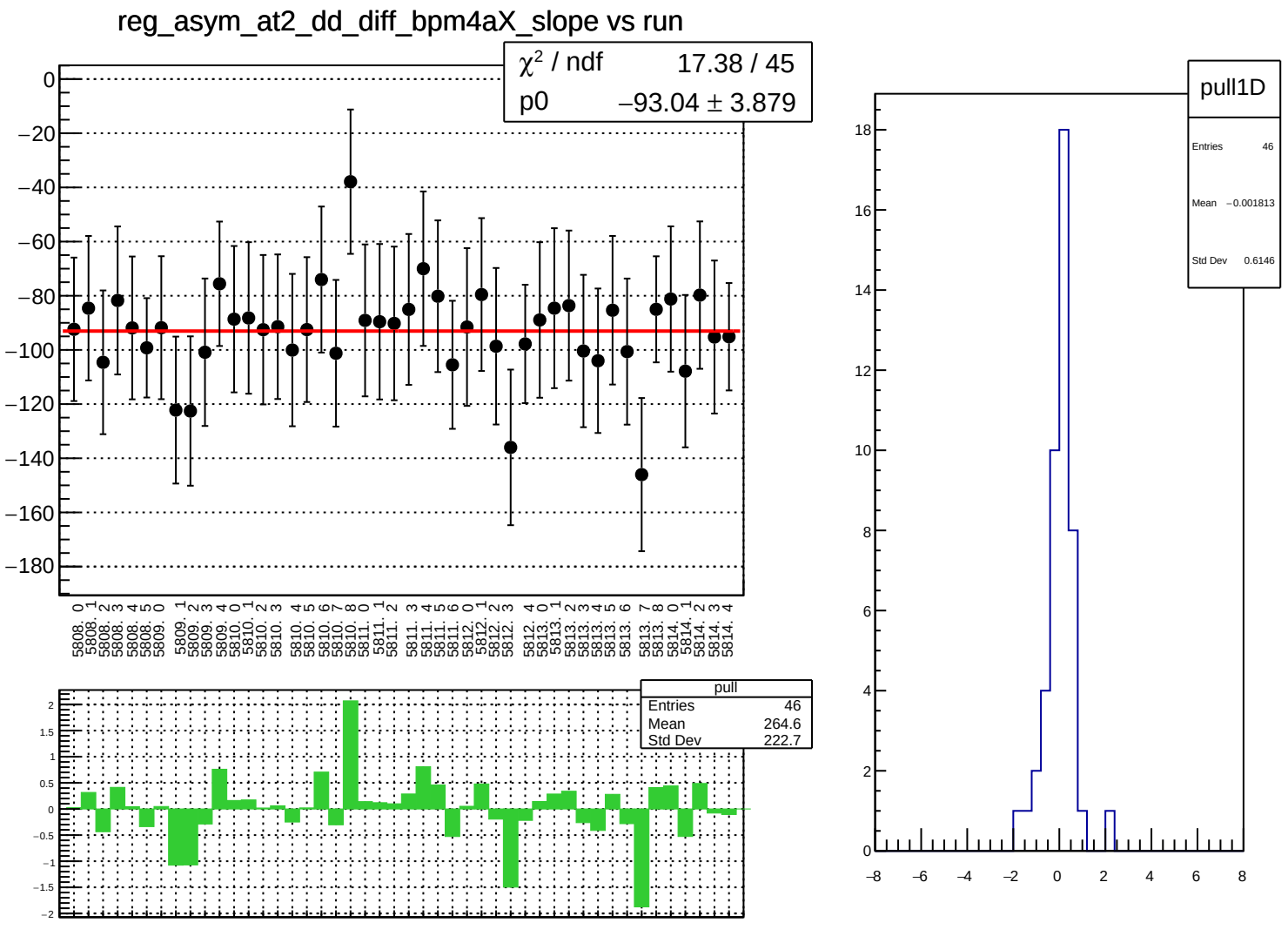

pull1D
Entries 46
Mean 0.006787
Std Dev 0.2517
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

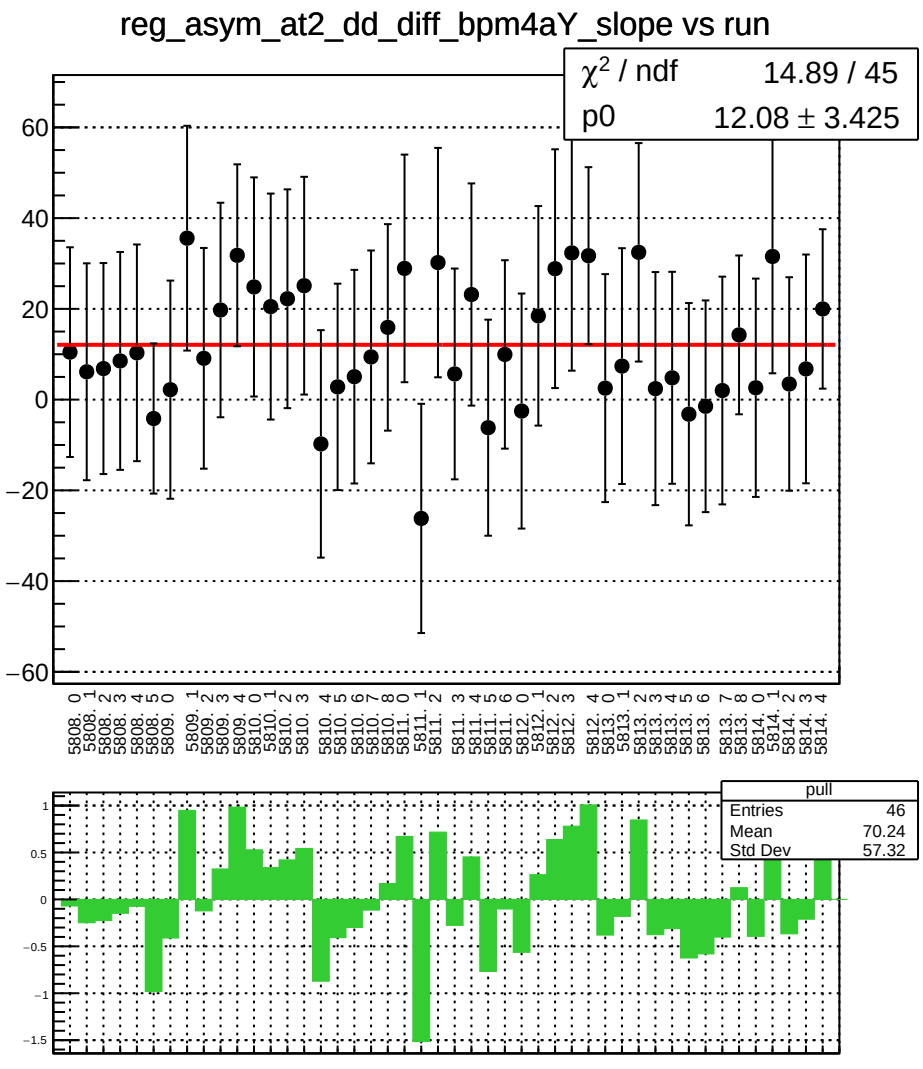

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.07 / 45
p0 809.8 ± 14.85
pull
Entries 46
Mean 135.2
Std Dev 115.9

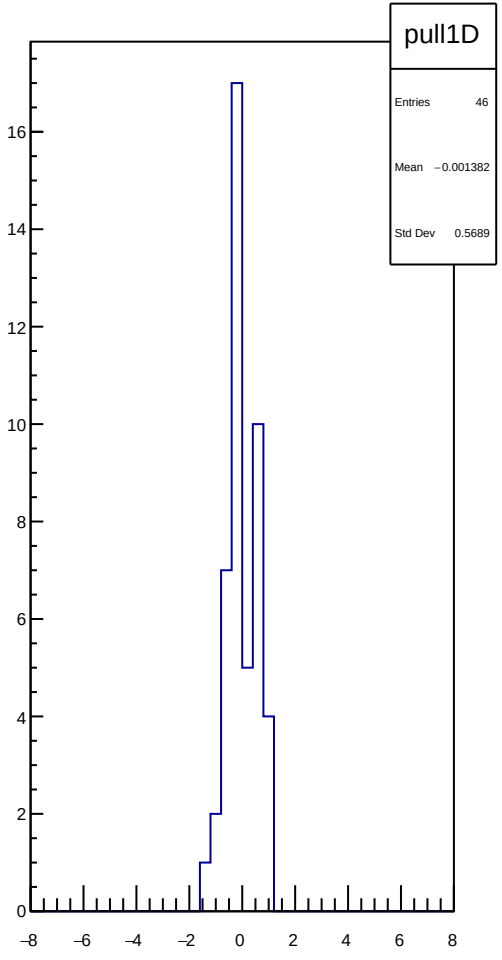

pull1D
Entries 46
Mean 0.004075
Std Dev 0.2583

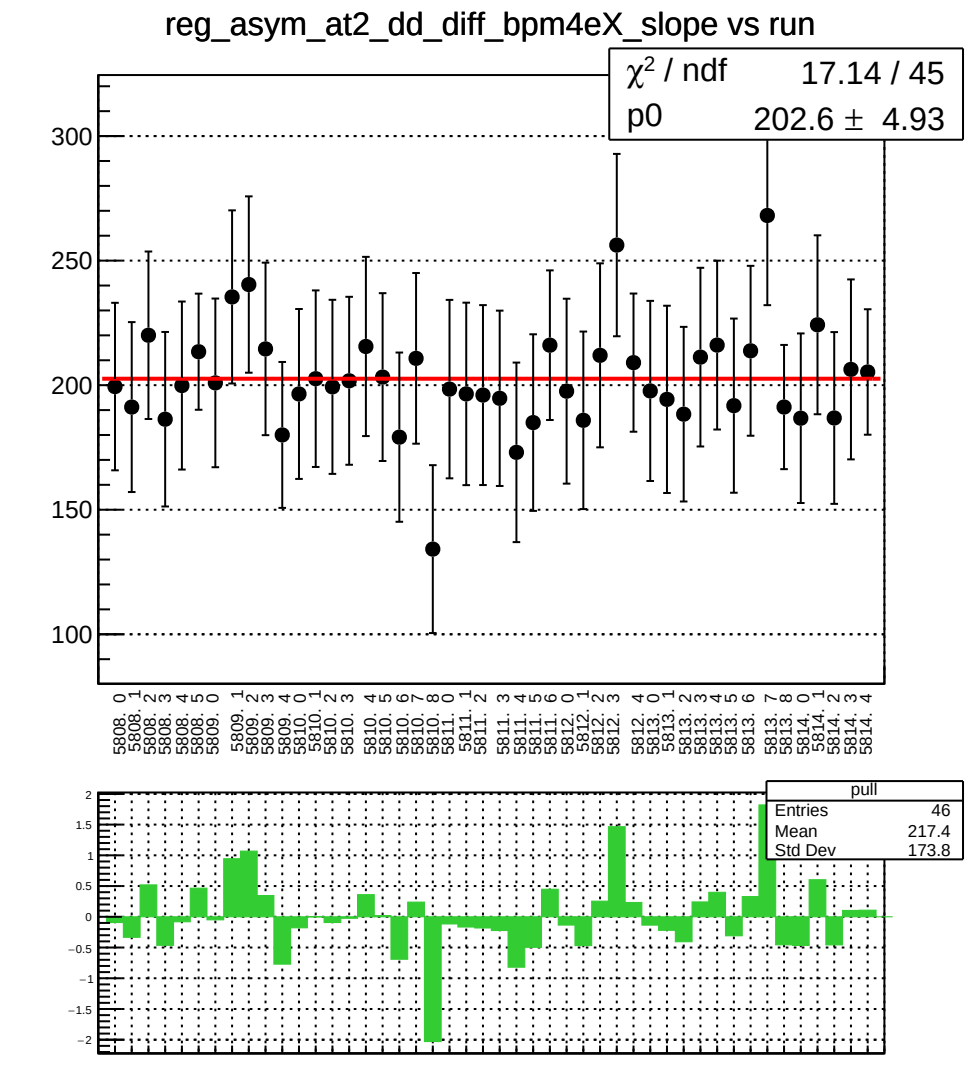

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.988 / 45
p0 35.91 ± 11.31
150
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 114.8
Std Dev 89.53
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 46
Mean −0.006546
Std Dev 0.2548
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

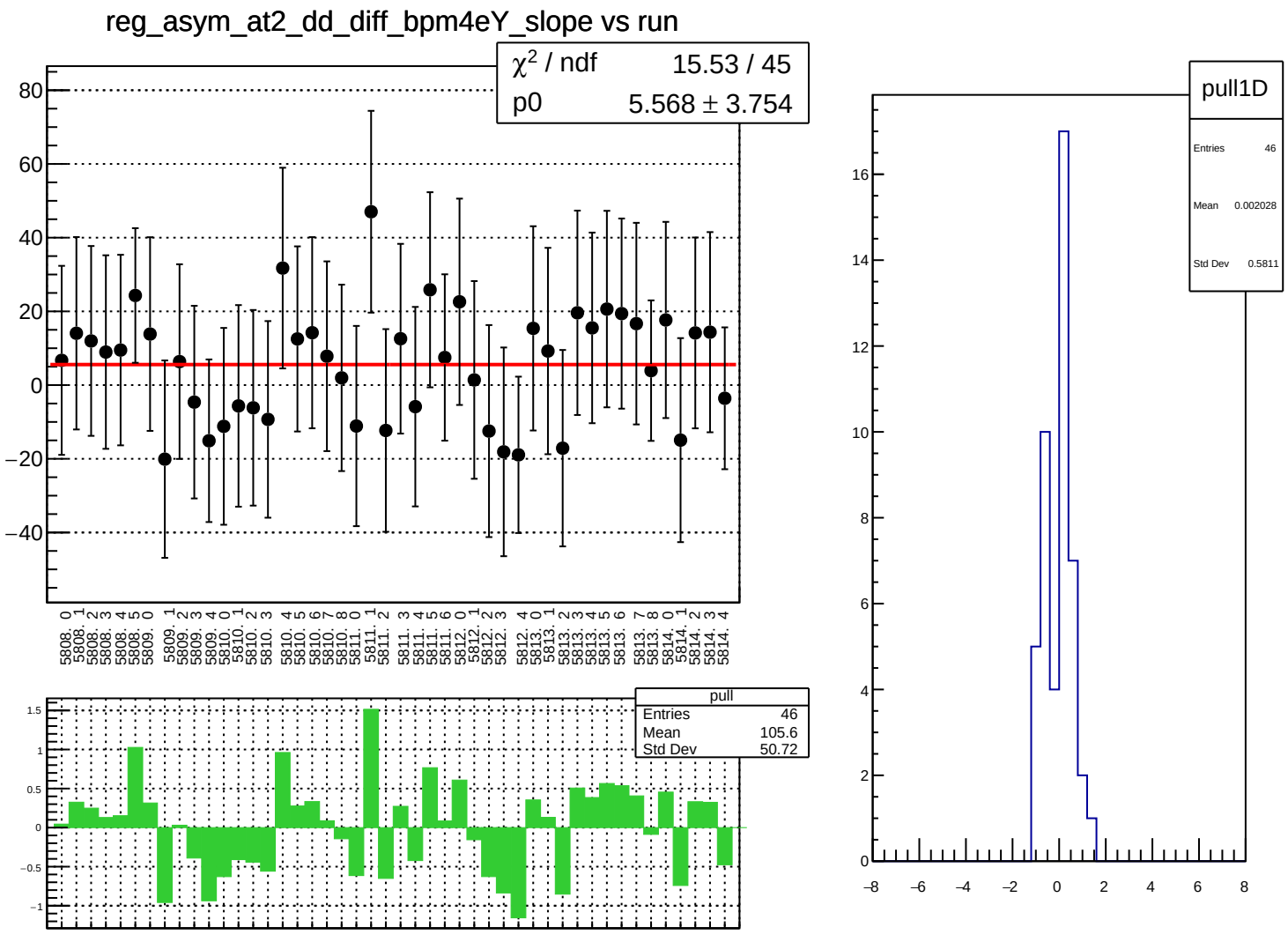

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.28 / 45
p0 −239.6 ± 0.6749
−230
−235
−240
−245
−250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −15.47
Std Dev 36.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.01559
Std Dev 0.5164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

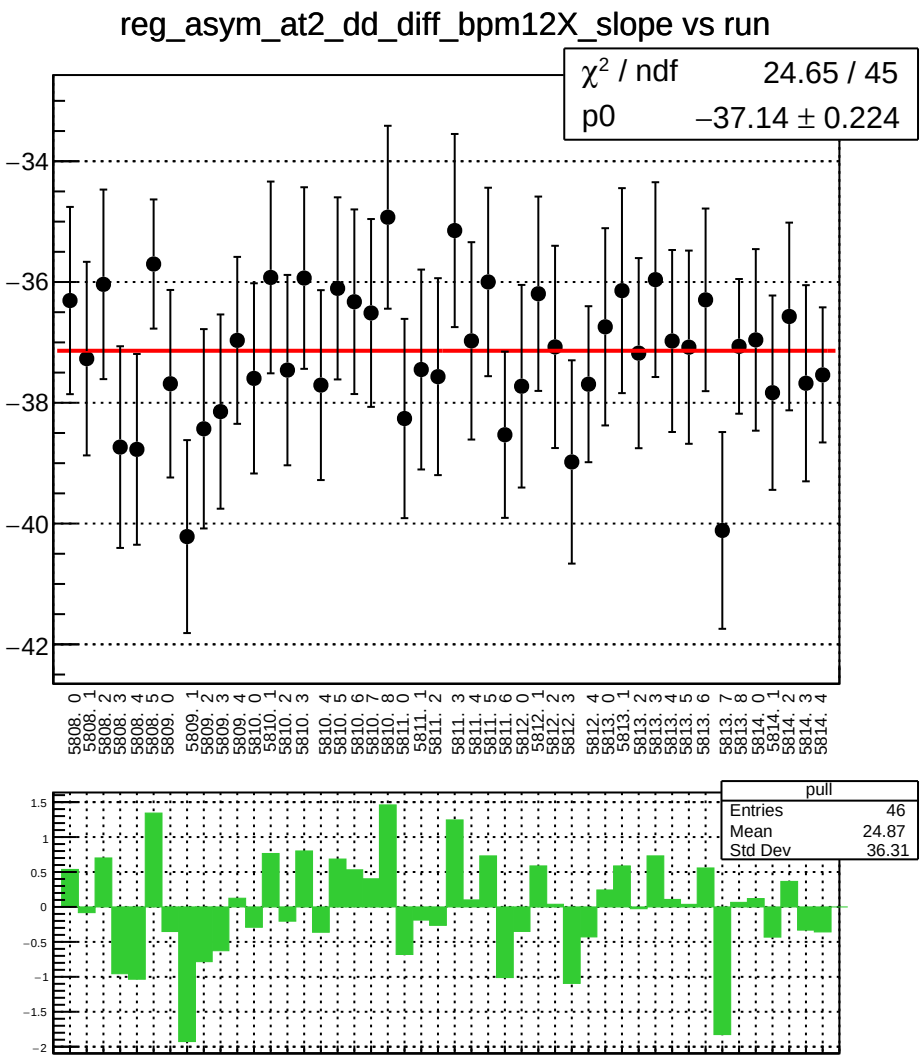

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.38 / 45
p0 −93.04 ± 3.879
pull
Entries 46
Mean 264.6
Std Dev 222.7
pull1D
Entries 46
Mean −0.001813
Std Dev 0.6146

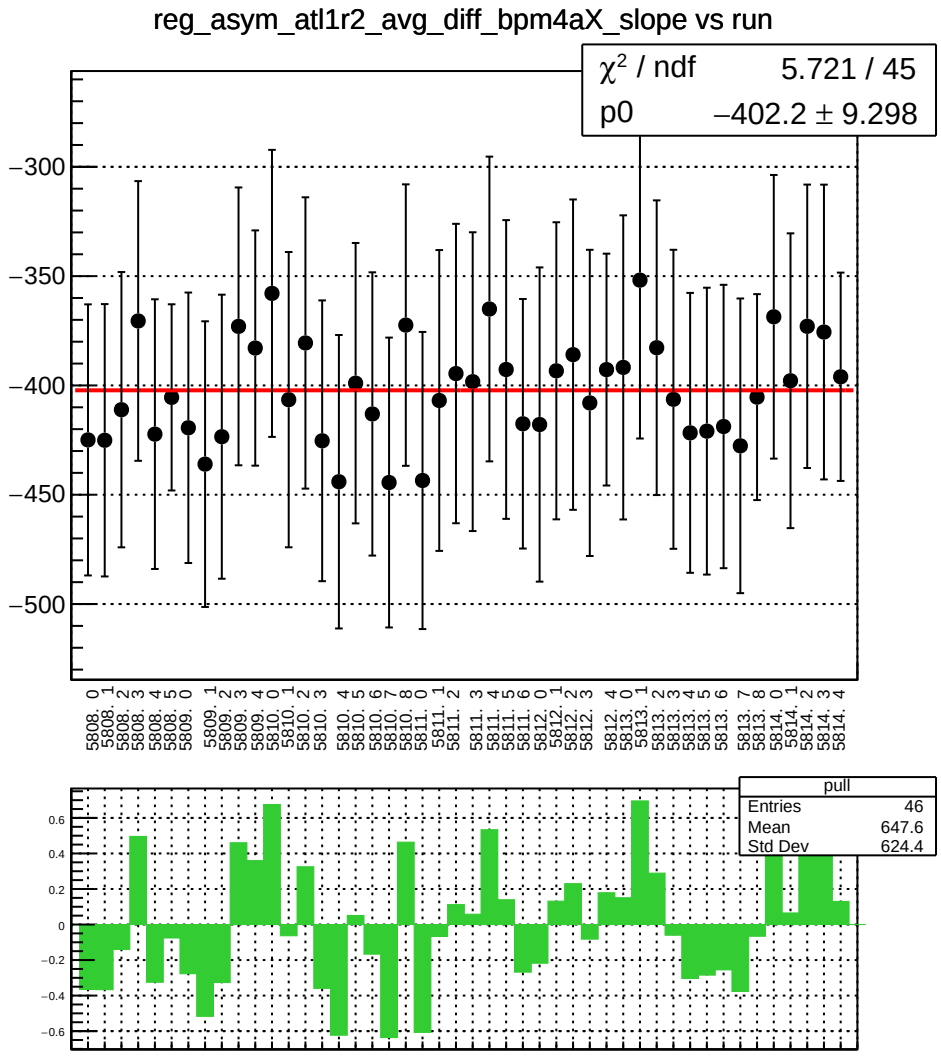

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.89 / 45
p0 12.08 ± 3.425
pull
Entries 46
Mean 70.24
Std Dev 57.32

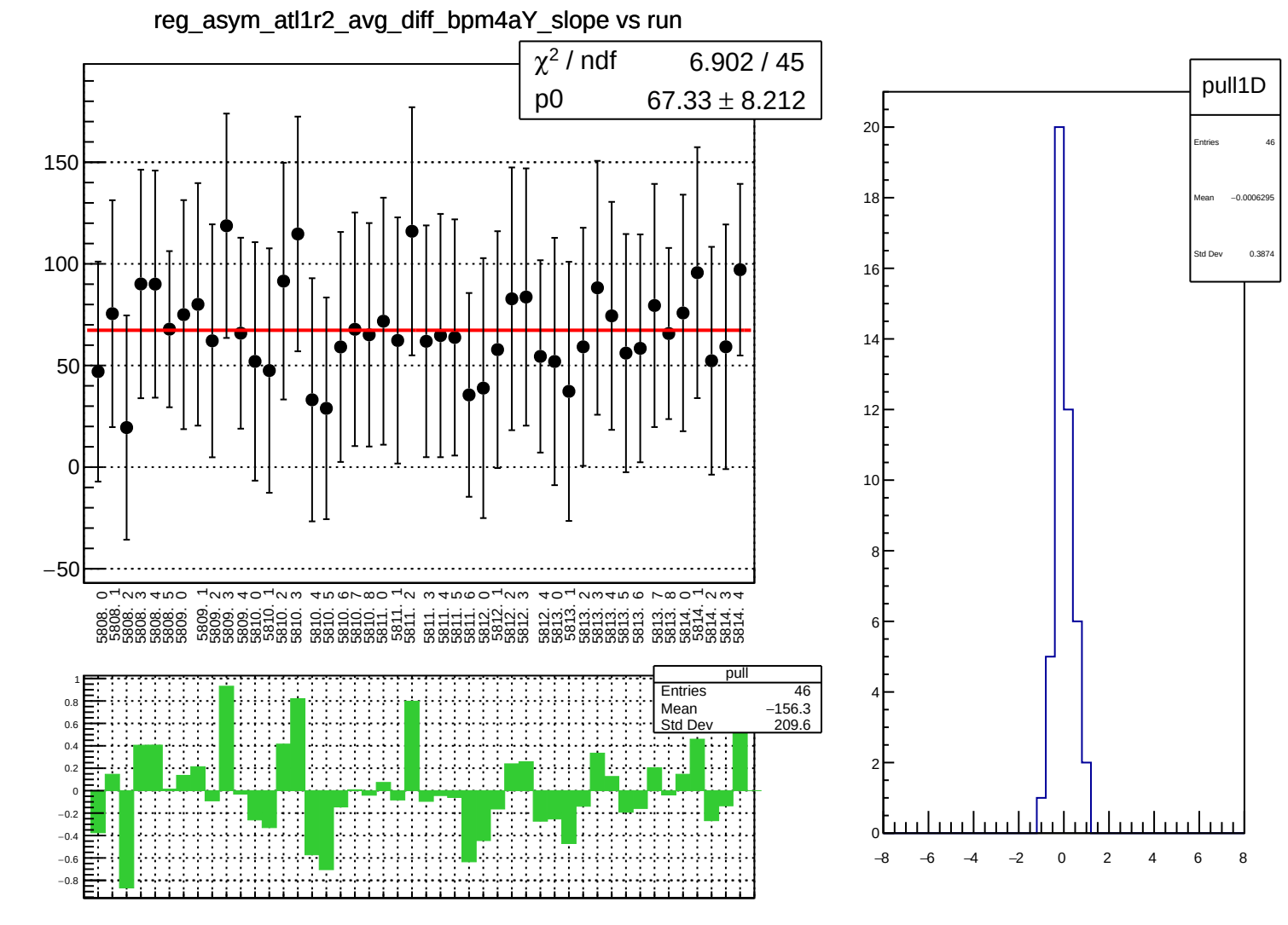

pull1D
Entries 46
Mean −0.001382
Std Dev 0.5689

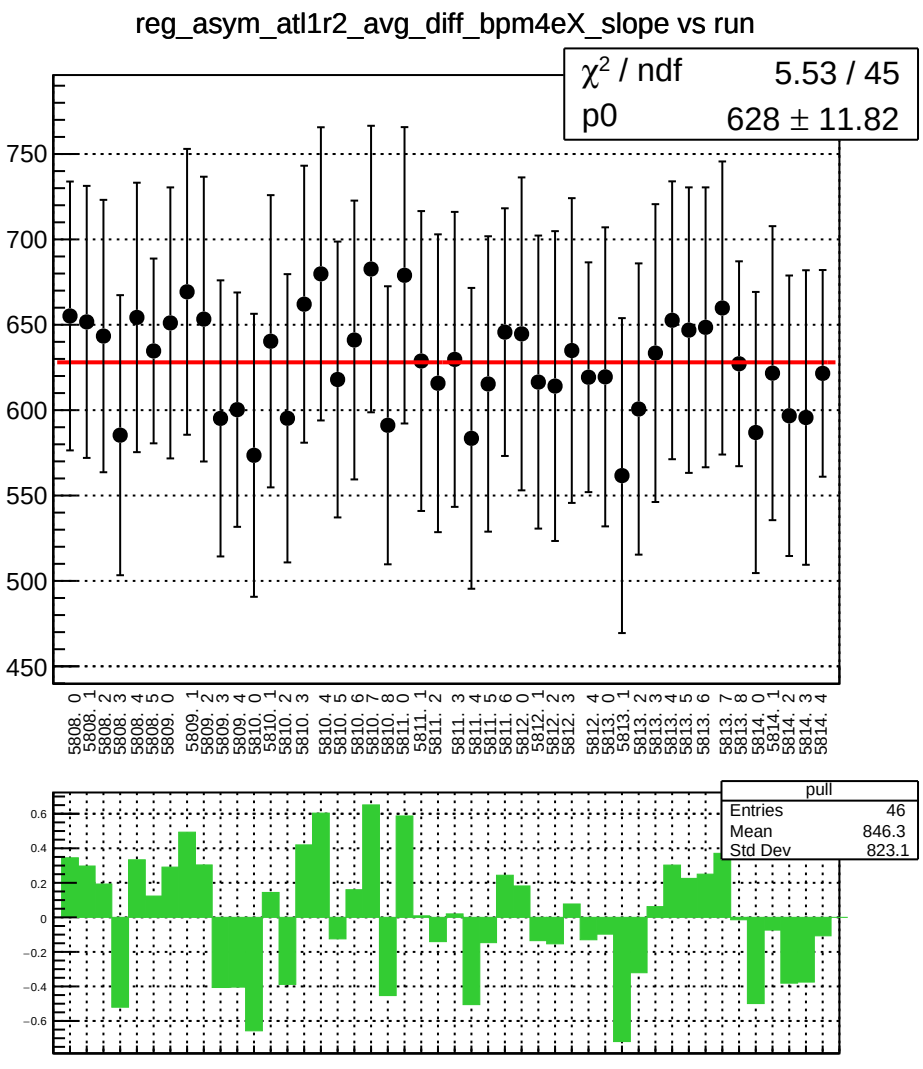

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.14 / 45
p0 202.6 ± 4.93
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 217.4
Std Dev 173.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.002136
Std Dev 0.6103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.53 / 45
p0 5.568 ± 3.754
pull
Entries 46
Mean 105.6
Std Dev 50.72
pull1D
Entries 46
Mean 0.002028
Std Dev 0.5811


reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 24.65 / 45
p0 −37.14 ± 0.224
−34
−36
−38
−40
−42
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 24.87
Std Dev 36.31
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.016
Std Dev 0.7319
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.721 / 45
p0 −402.2 ± 9.298
−300
−350
−400
−450
−500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 647.6
Std Dev 624.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 46
Mean 0.001736
Std Dev 0.3527
20
18
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 6.902 / 45
p0 67.33 ± 8.212
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −156.3
Std Dev 209.6
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean −0.0006295
Std Dev 0.3874
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.53 / 45
p0 628 ± 11.82
750
700
650
600
550
500
450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 846.3
Std Dev 823.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 46
Mean −0.001286
Std Dev 0.3467
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
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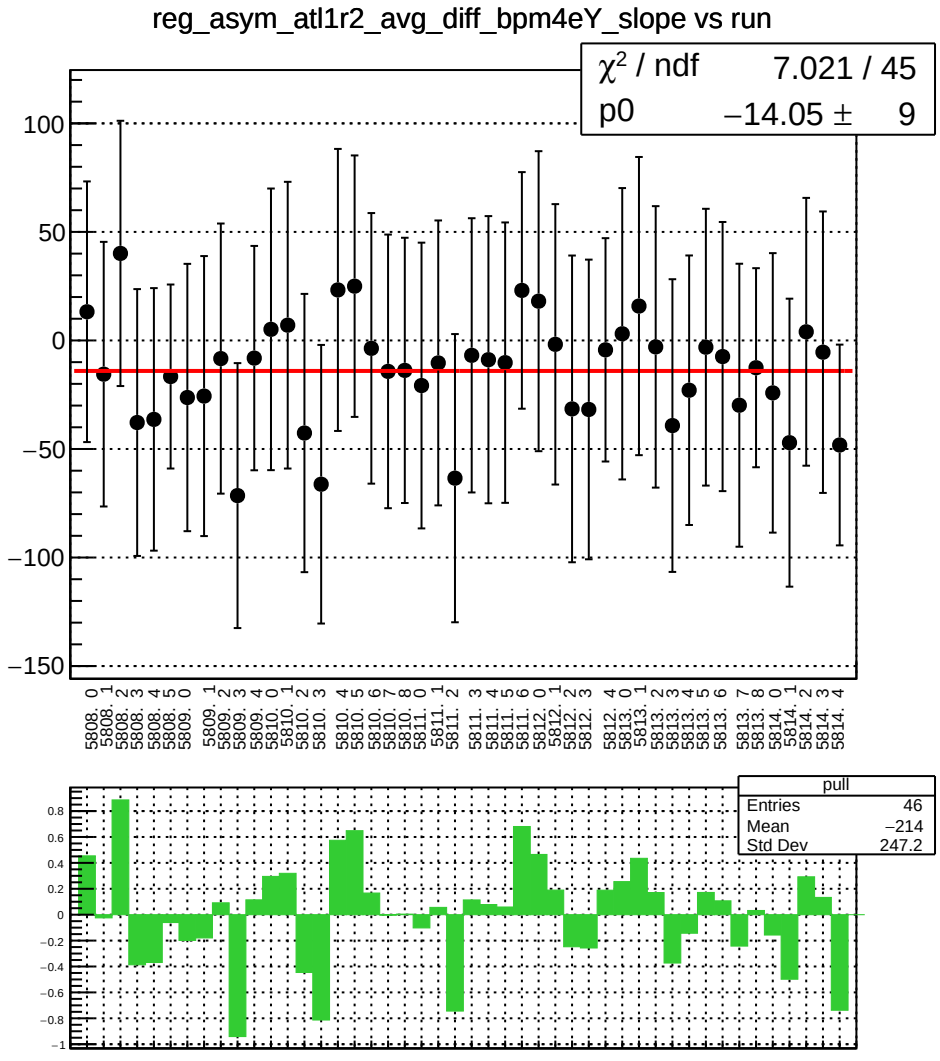
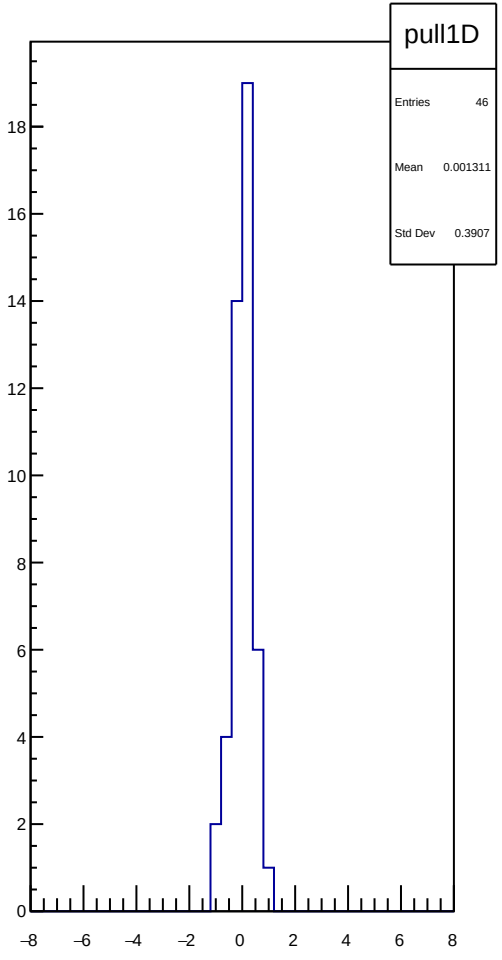
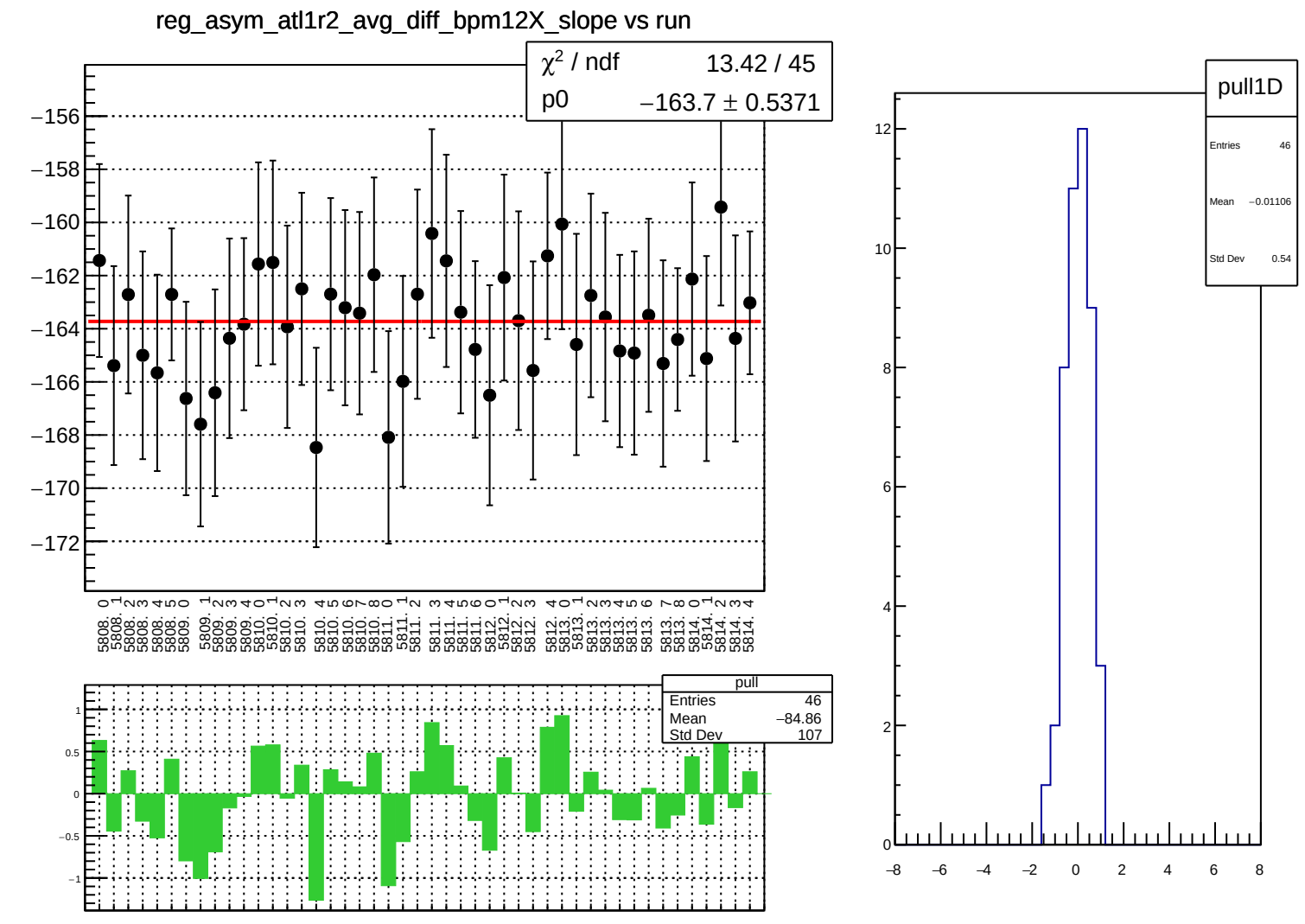
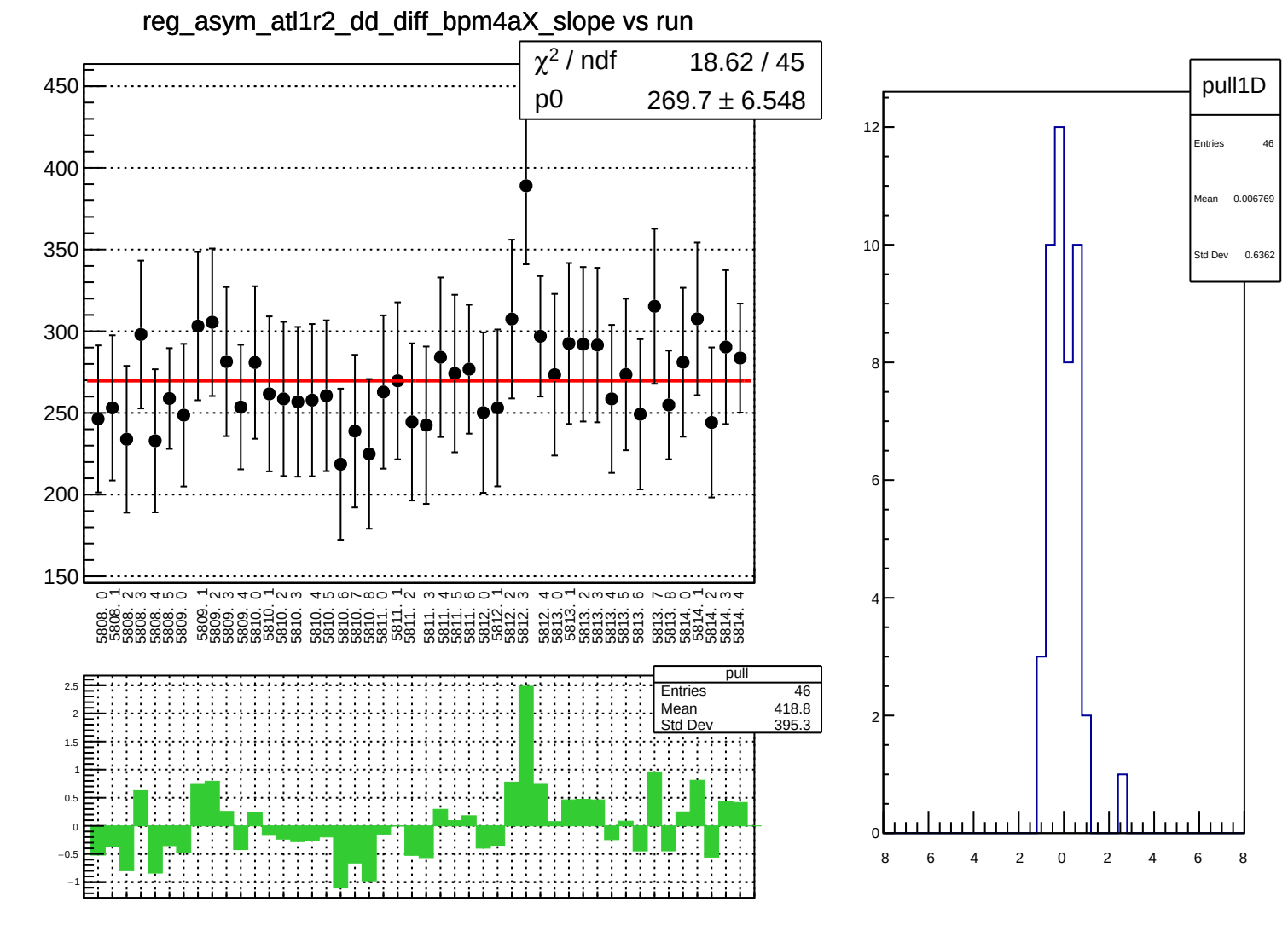
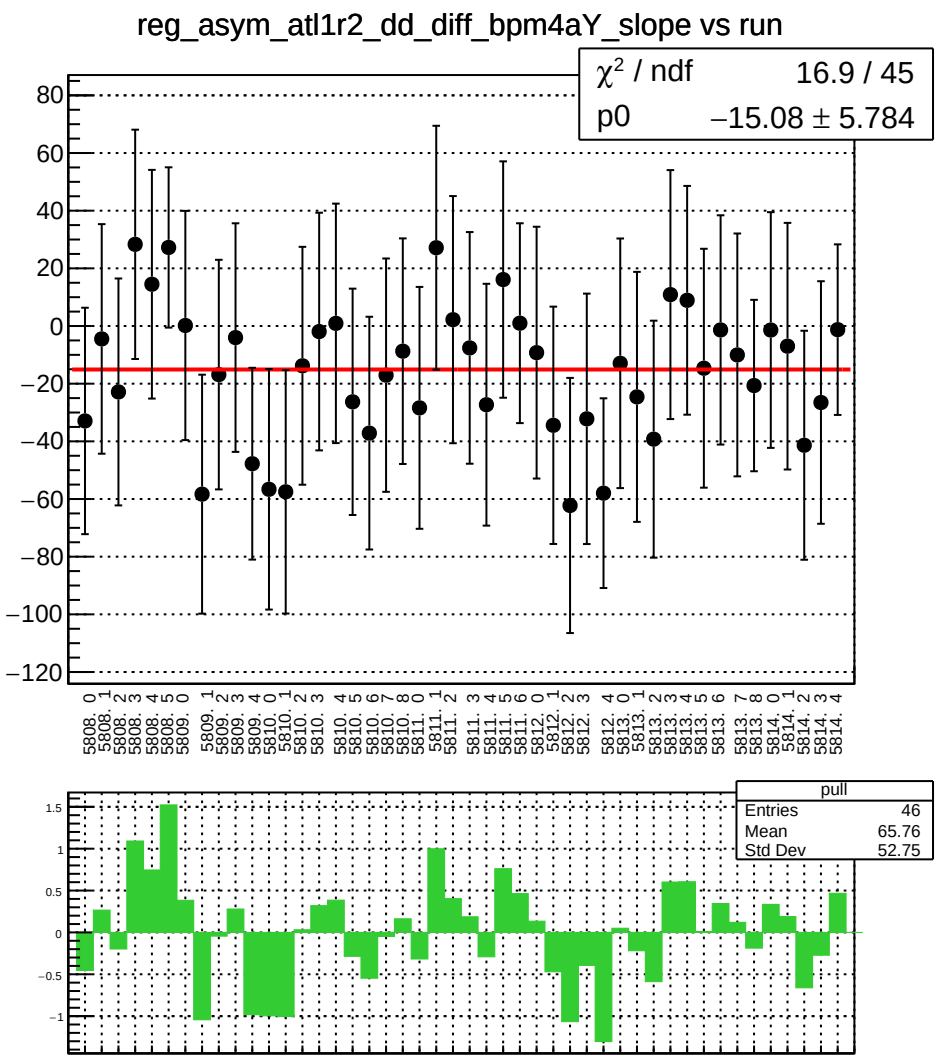
0
2
4
6
8

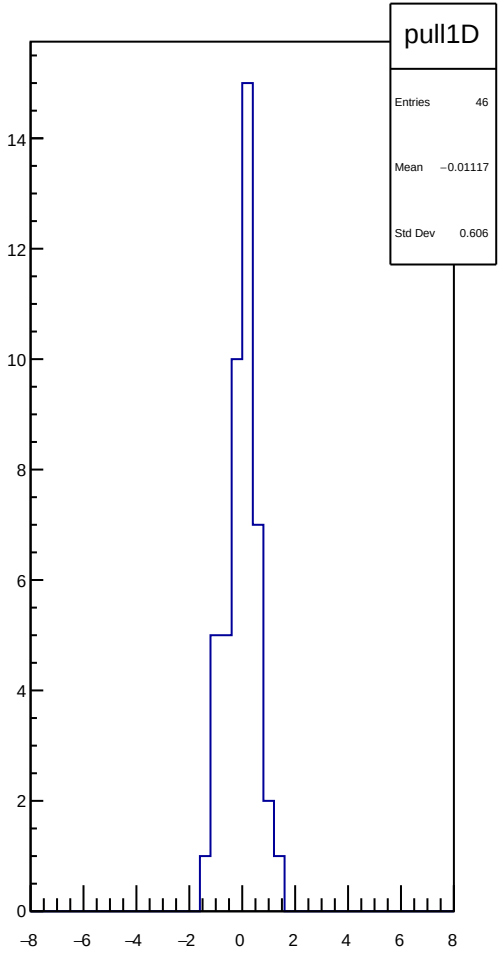

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.021 / 45
p0 −14.05 ± 9
pull
Entries 46
Mean −214
Std Dev 247.2

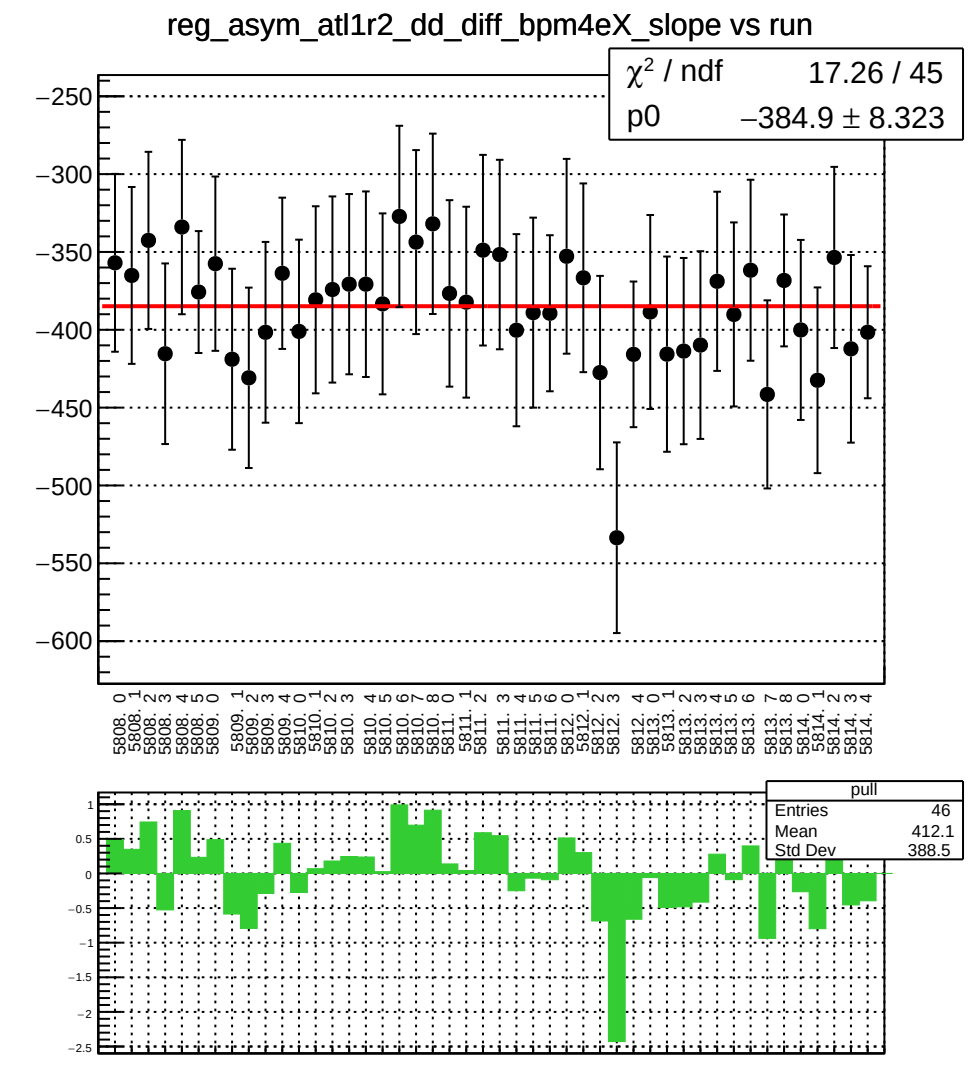

pull1D
Entries 46
Mean 0.001311
Std Dev 0.3907

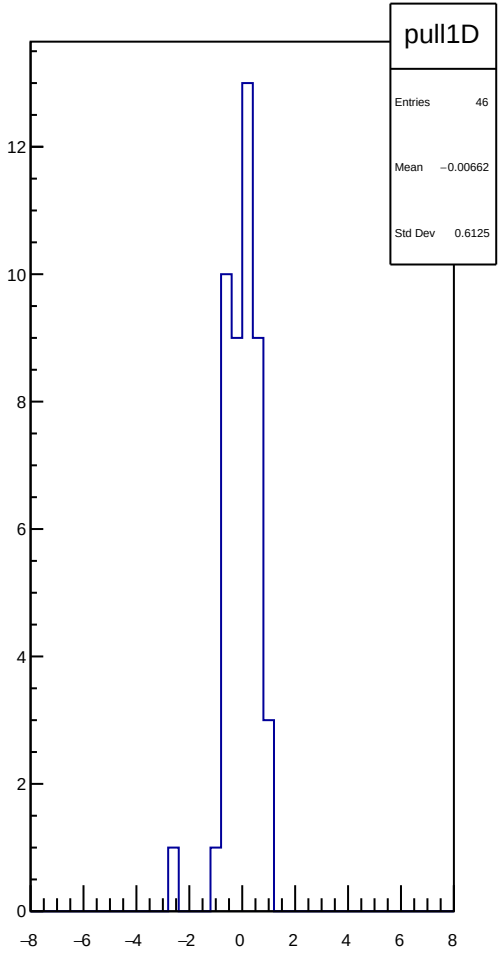

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.42 / 45
p0 −163.7 ± 0.5371
pull
Entries 46
Mean −84.86
Std Dev 107
pull1D
Entries 46
Mean −0.01106
Std Dev 0.54

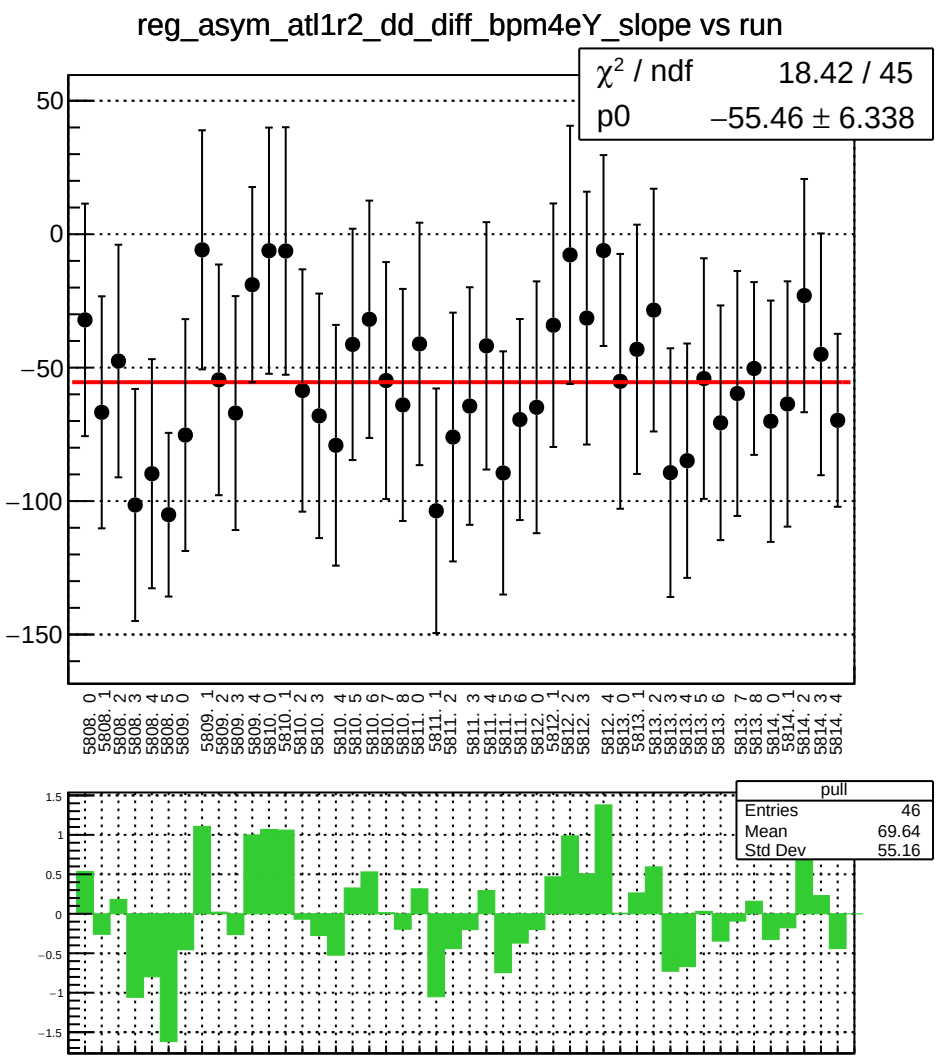

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.62 / 45
p0 269.7 ± 6.548
pull
Entries 46
Mean 418.8
Std Dev 395.3
pull1D
Entries 46
Mean 0.006769
Std Dev 0.6362

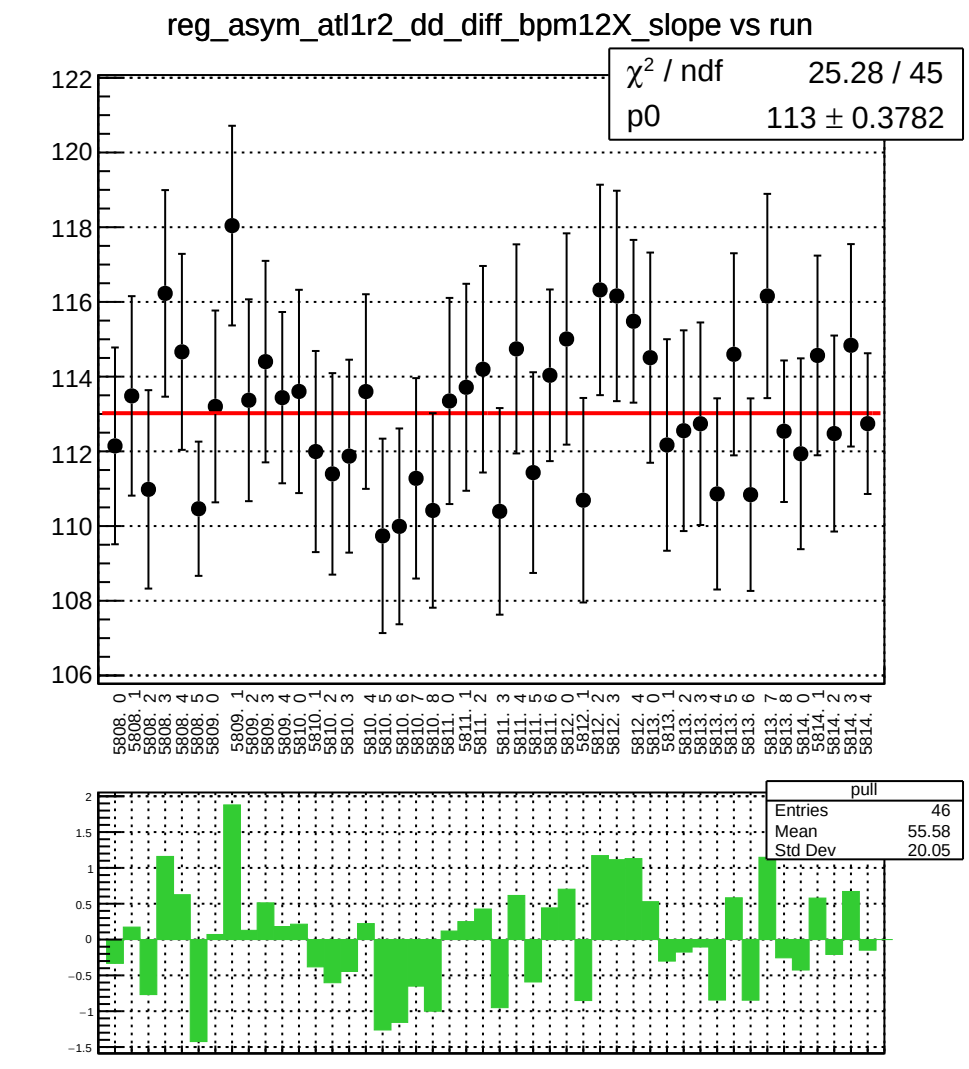

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.9 / 45
p0 −15.08 ± 5.784
pull
Entries 46
Mean 65.76
Std Dev 52.75

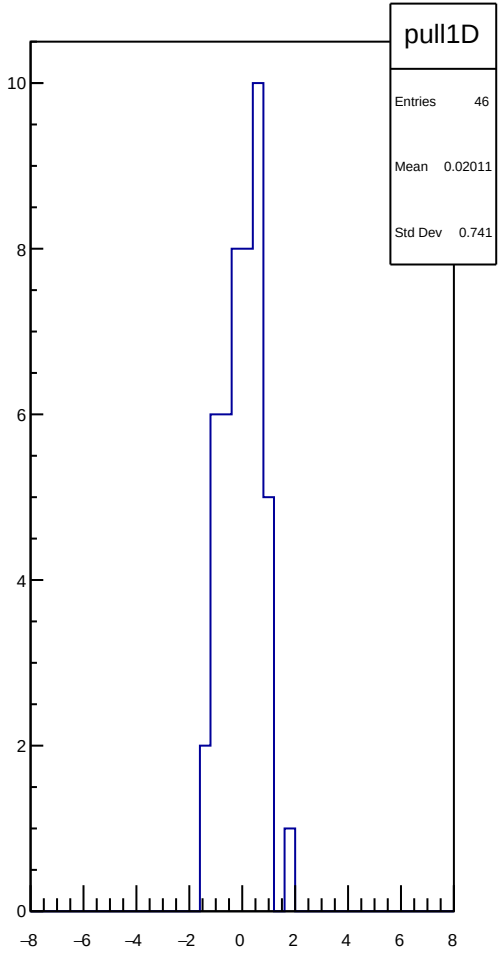

pull1D
Entries 46
Mean −0.01117
Std Dev 0.606

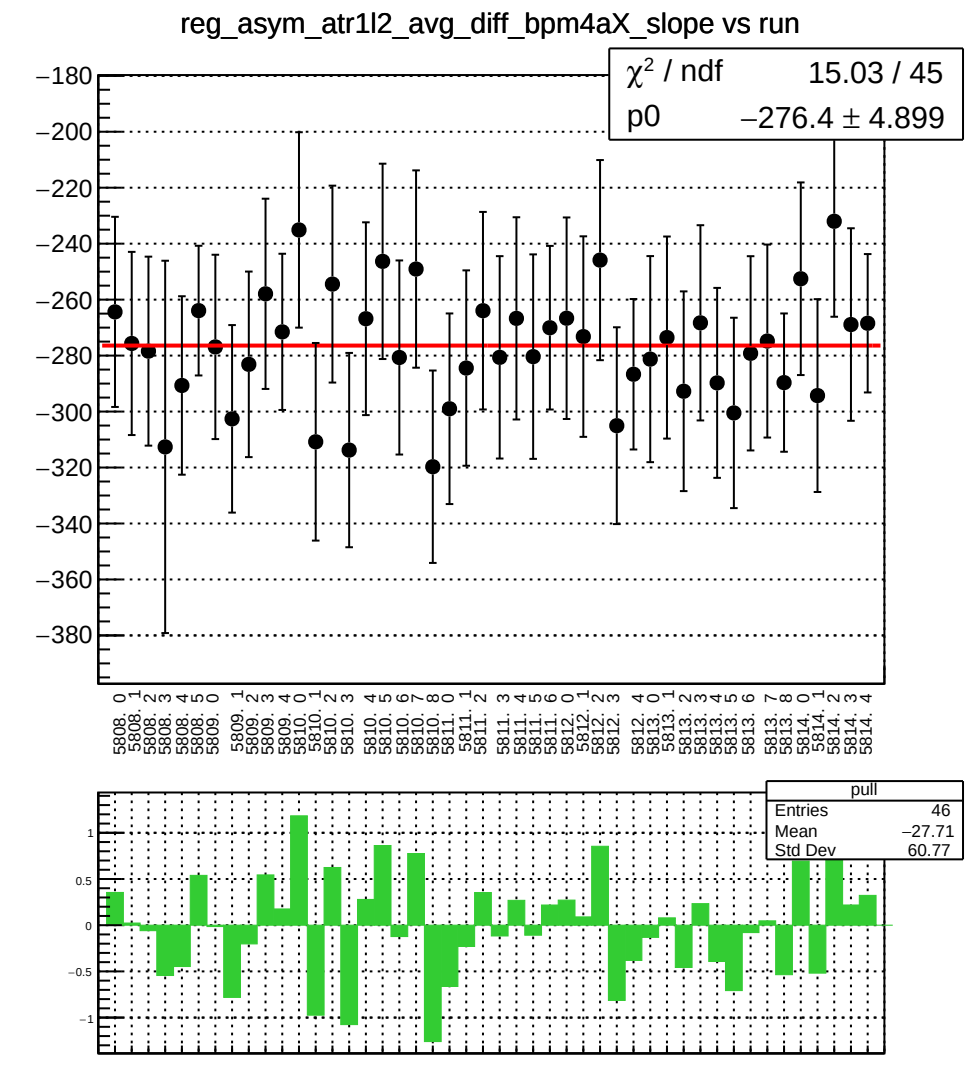

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.26 / 45
p0 −384.9 ± 8.323
−250
−300
−350
−400
−450
−500
−550
−600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 412.1
Std Dev 388.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

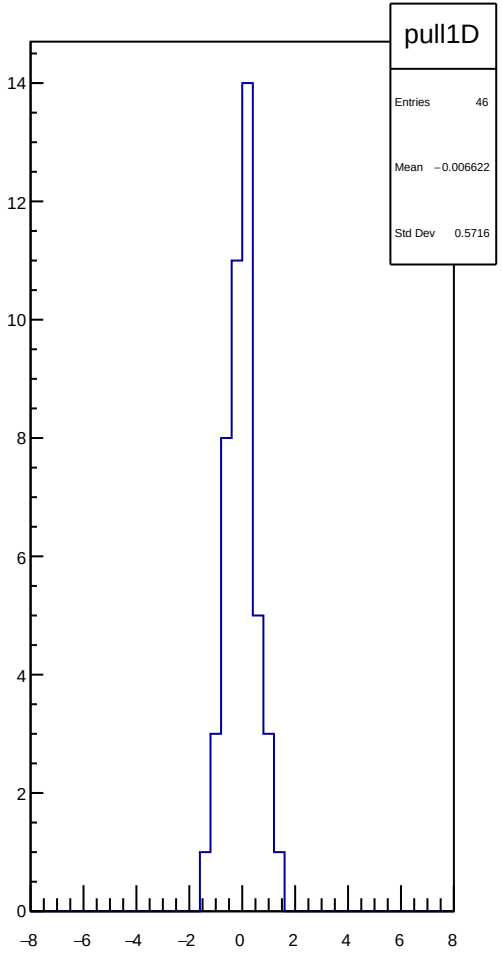

pull1D
Entries 46
Mean −0.00662
Std Dev 0.6125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

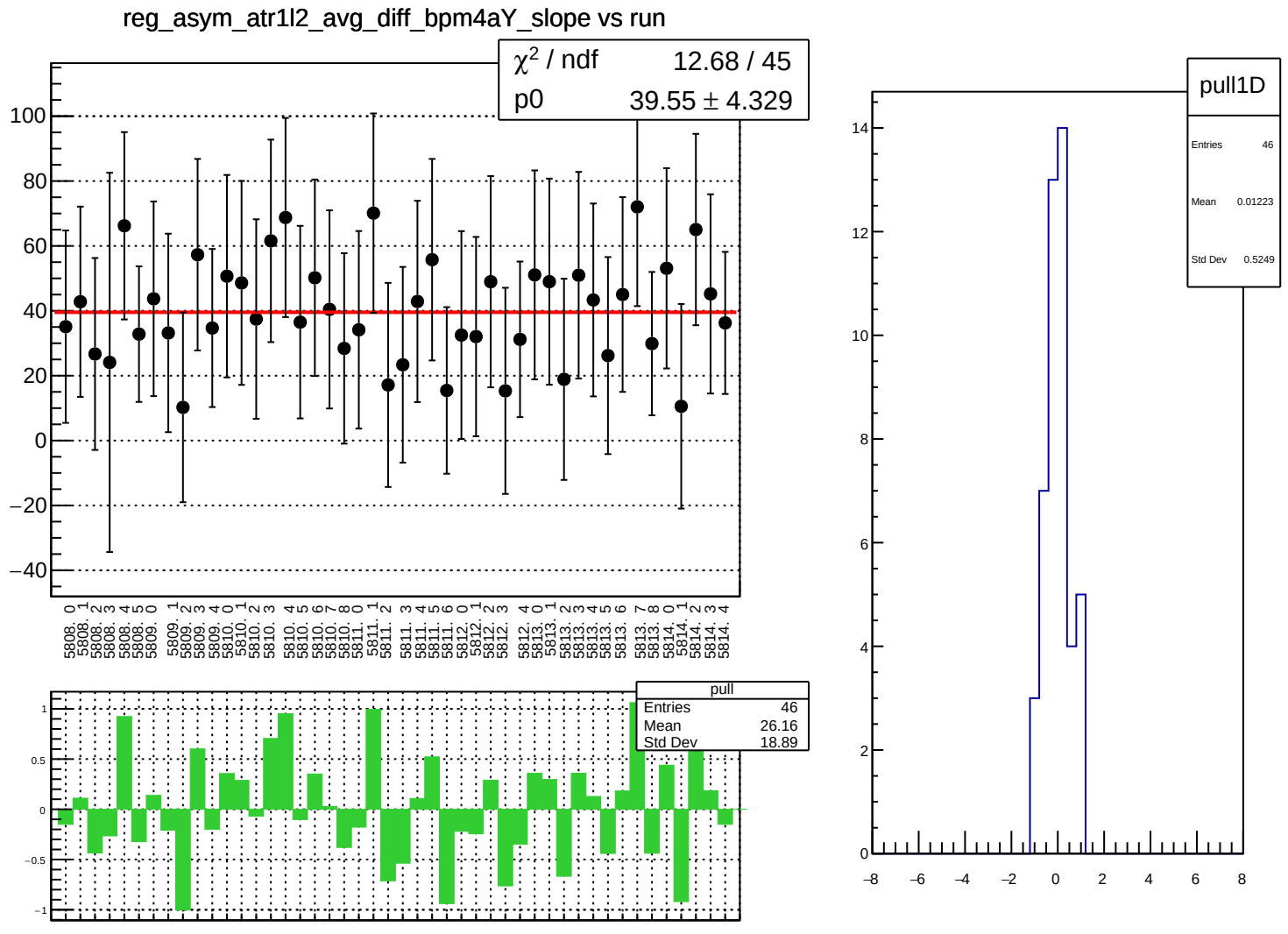

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.42 / 45
p0 −55.46 ± 6.338
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 69.64
Std Dev 55.16
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.0113
Std Dev 0.6326
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

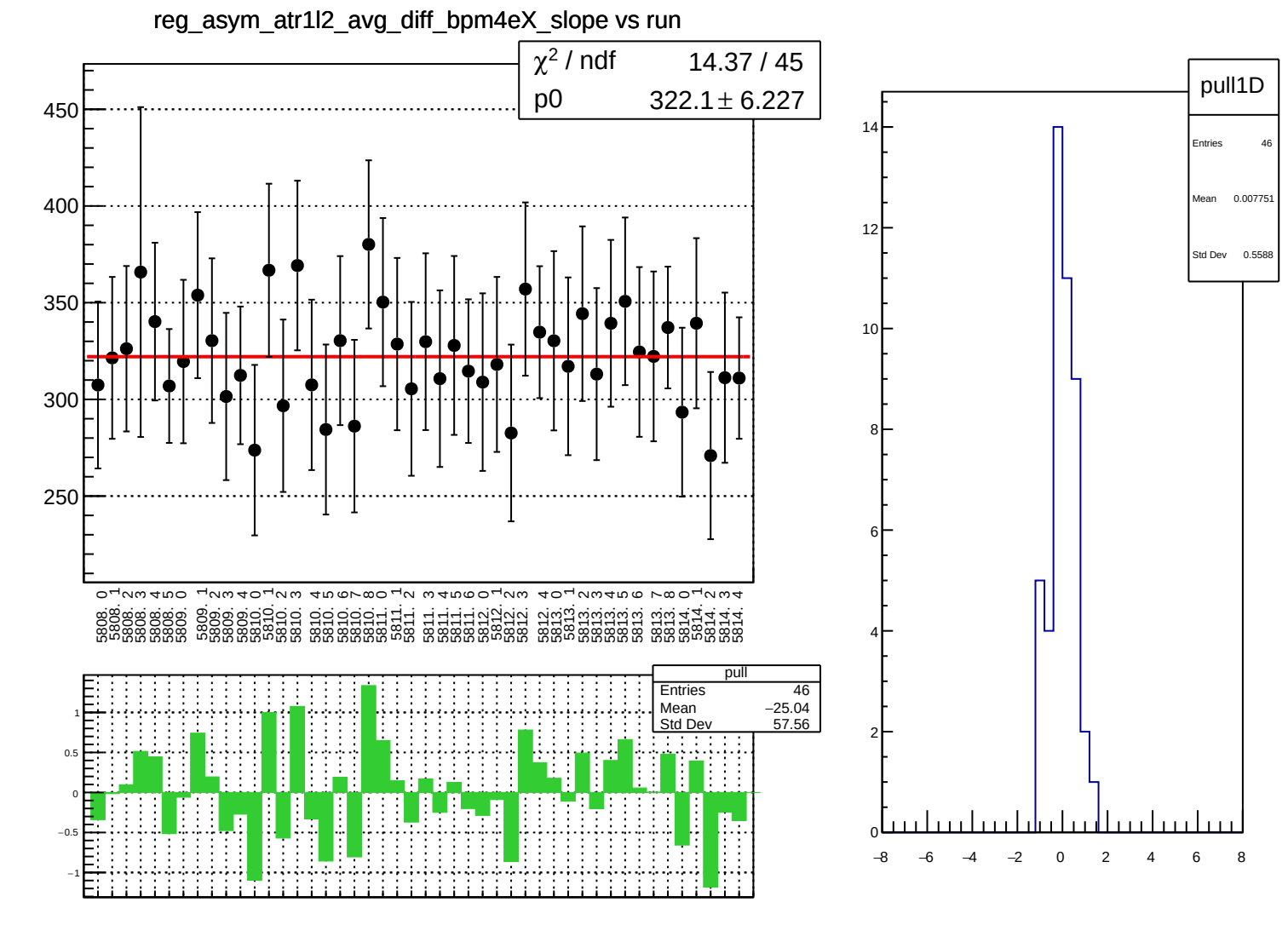

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 25.28 / 45
p0 113 ± 0.3782
pull
Entries 46
Mean 55.58
Std Dev 20.05

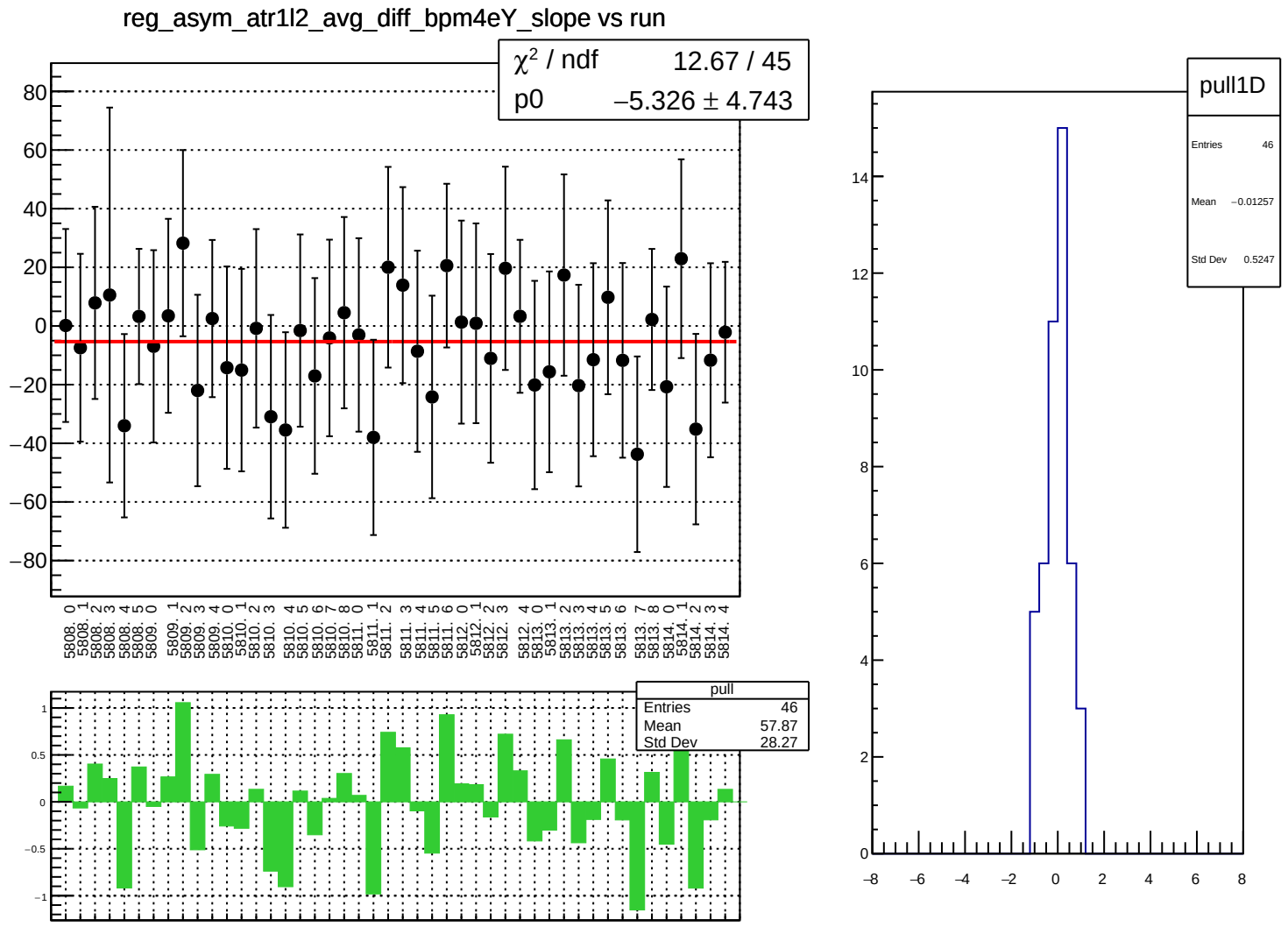

pull1D
Entries 46
Mean 0.02011
Std Dev 0.741

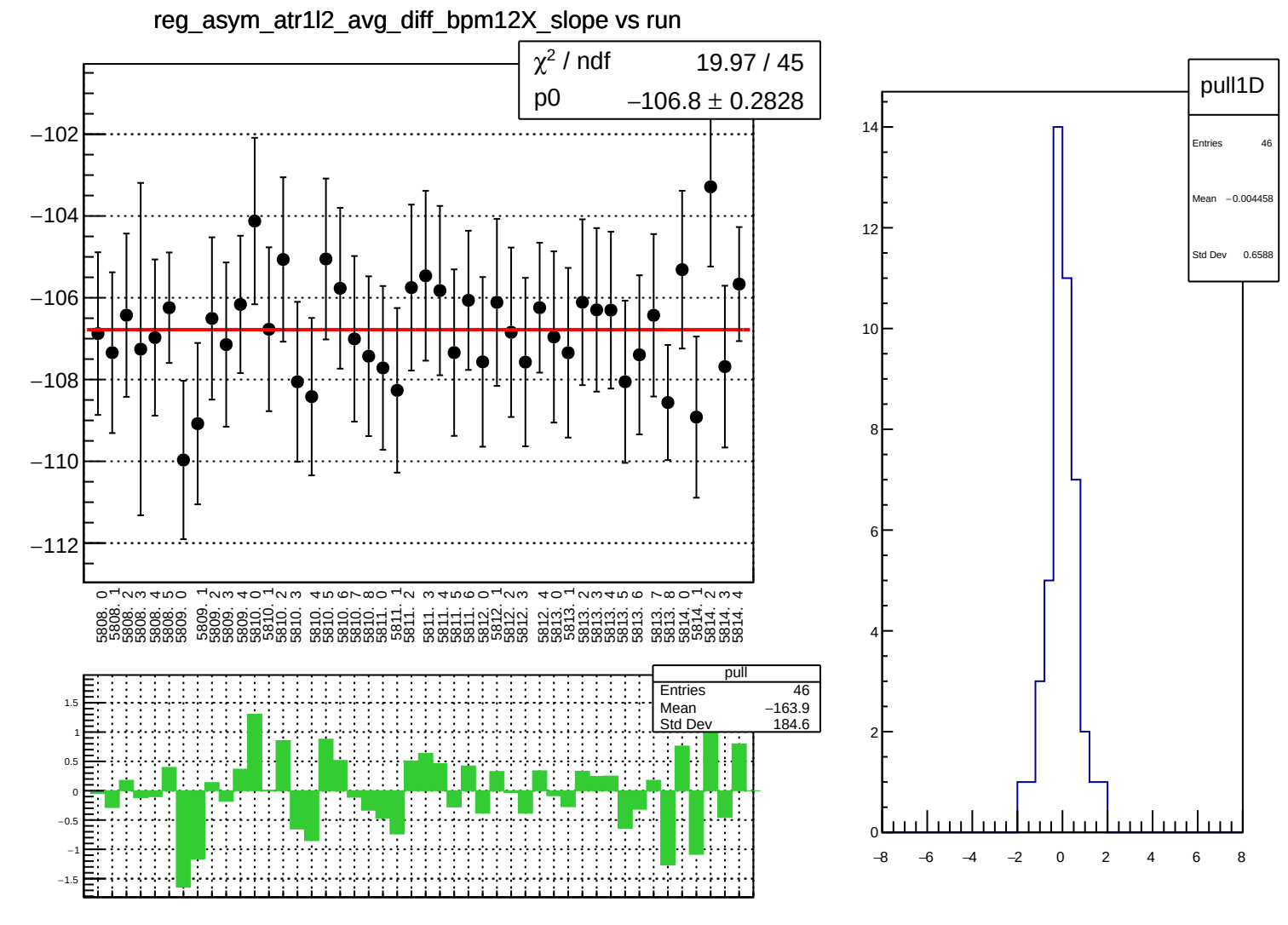

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.03 / 45
p0 −276.4 ± 4.899
pull
Entries 46
Mean −27.71
Std Dev 60.77

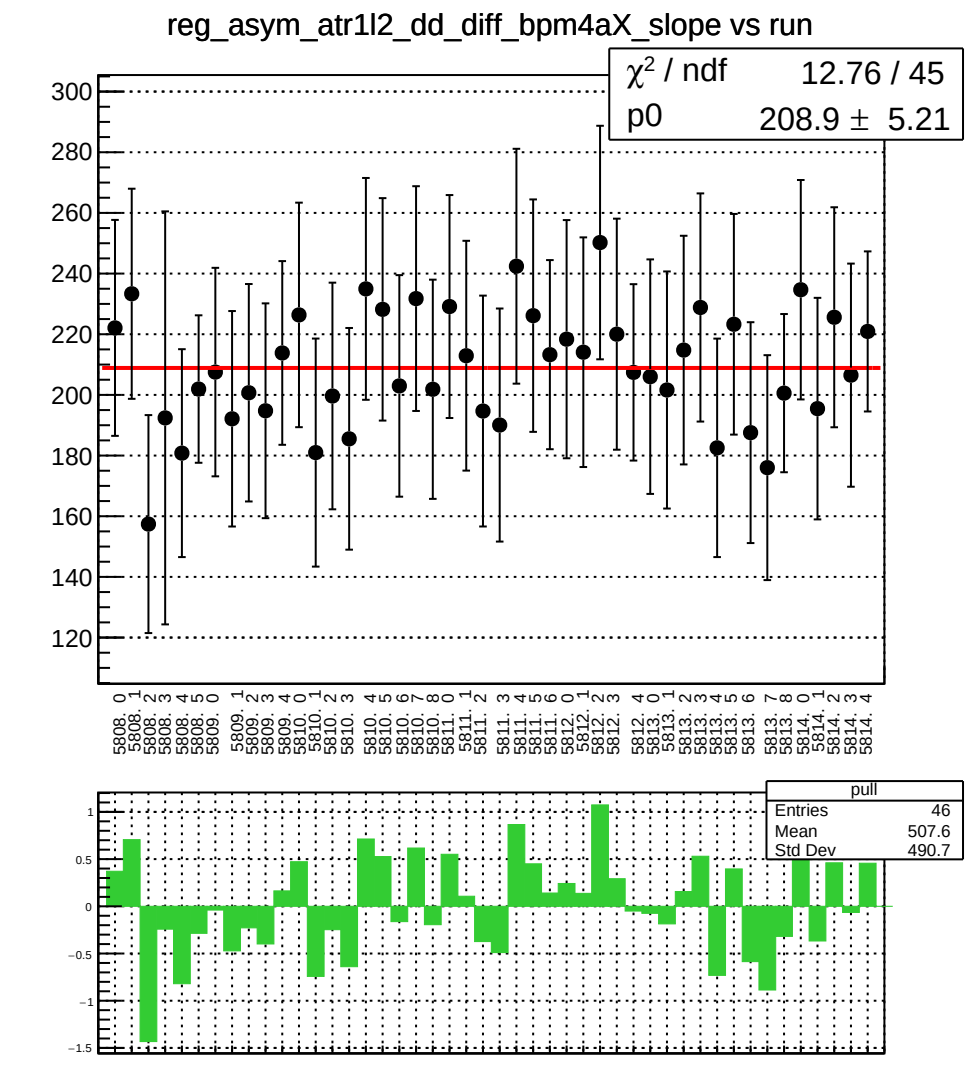

pull1D
Entries 46
Mean −0.006622
Std Dev 0.5716

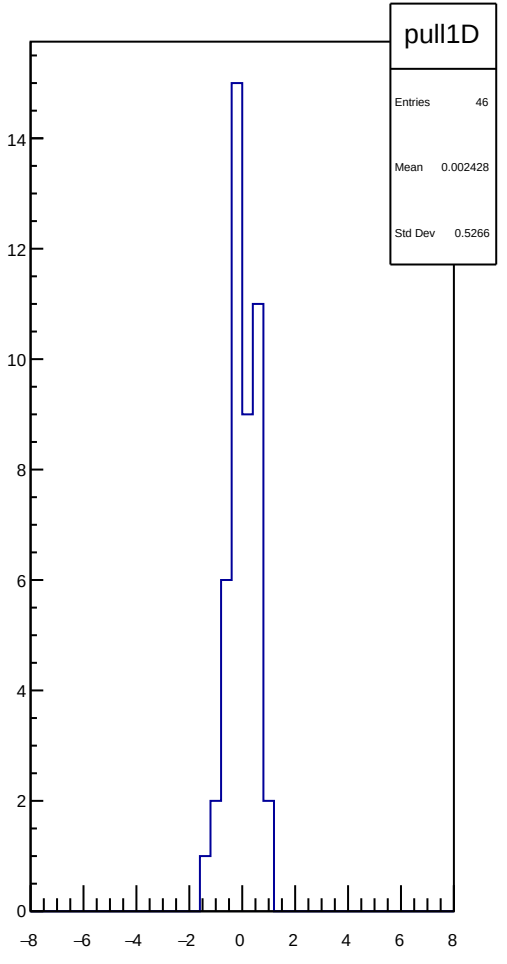

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.68 / 45
p0 39.55 ± 4.329
pull
Entries 46
Mean 26.16
Std Dev 18.89
pull1D
Entries 46
Mean 0.01223
Std Dev 0.5249

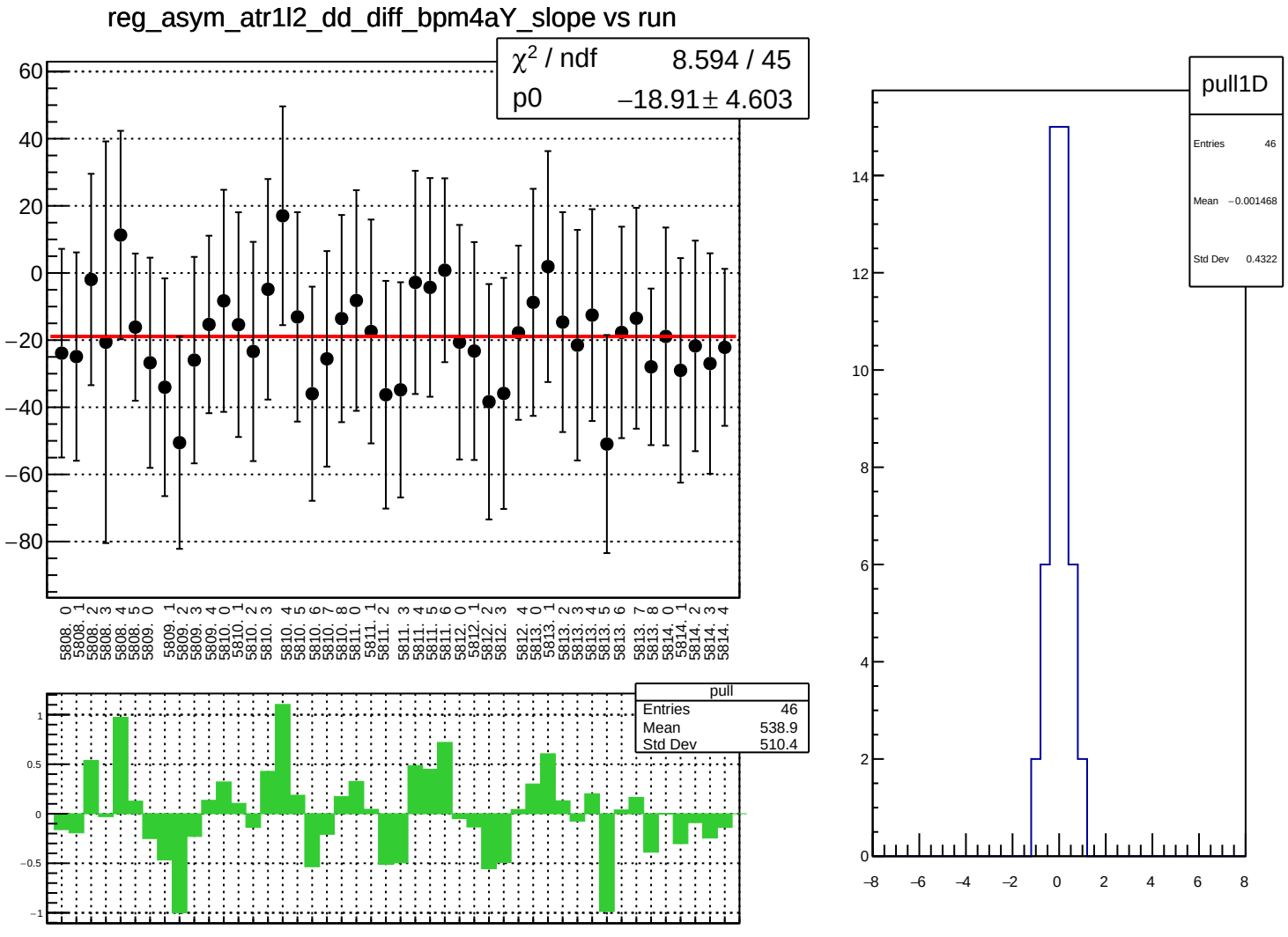

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.37 / 45
p0 322.1 ± 6.227
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −25.04
Std Dev 57.56
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.007751
Std Dev 0.5588
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

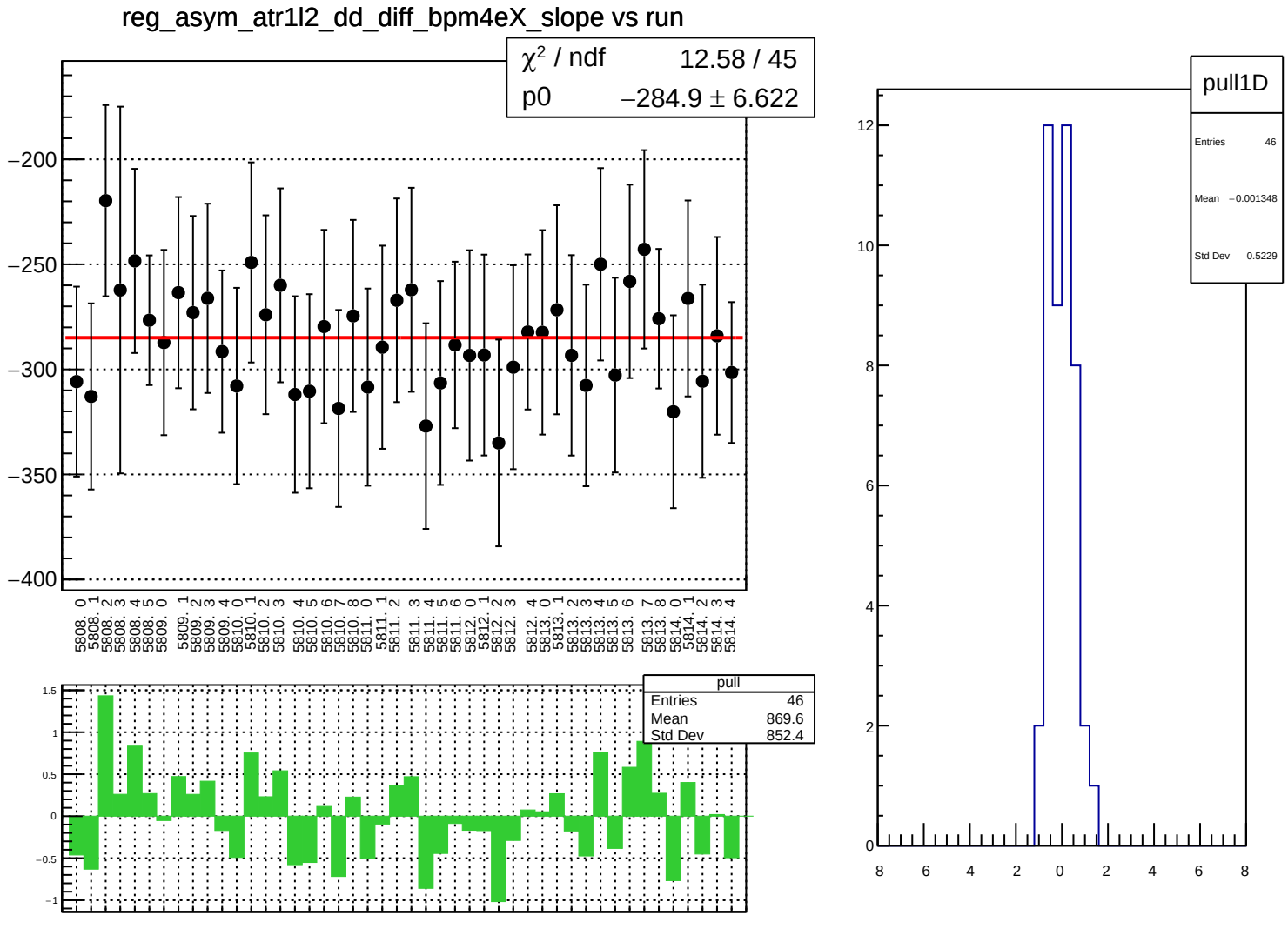

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.67 / 45
p0 −5.326 ± 4.743
pull
Entries 46
Mean 57.87
Std Dev 28.27
pull1D
Entries 46
Mean −0.01257
Std Dev 0.5247

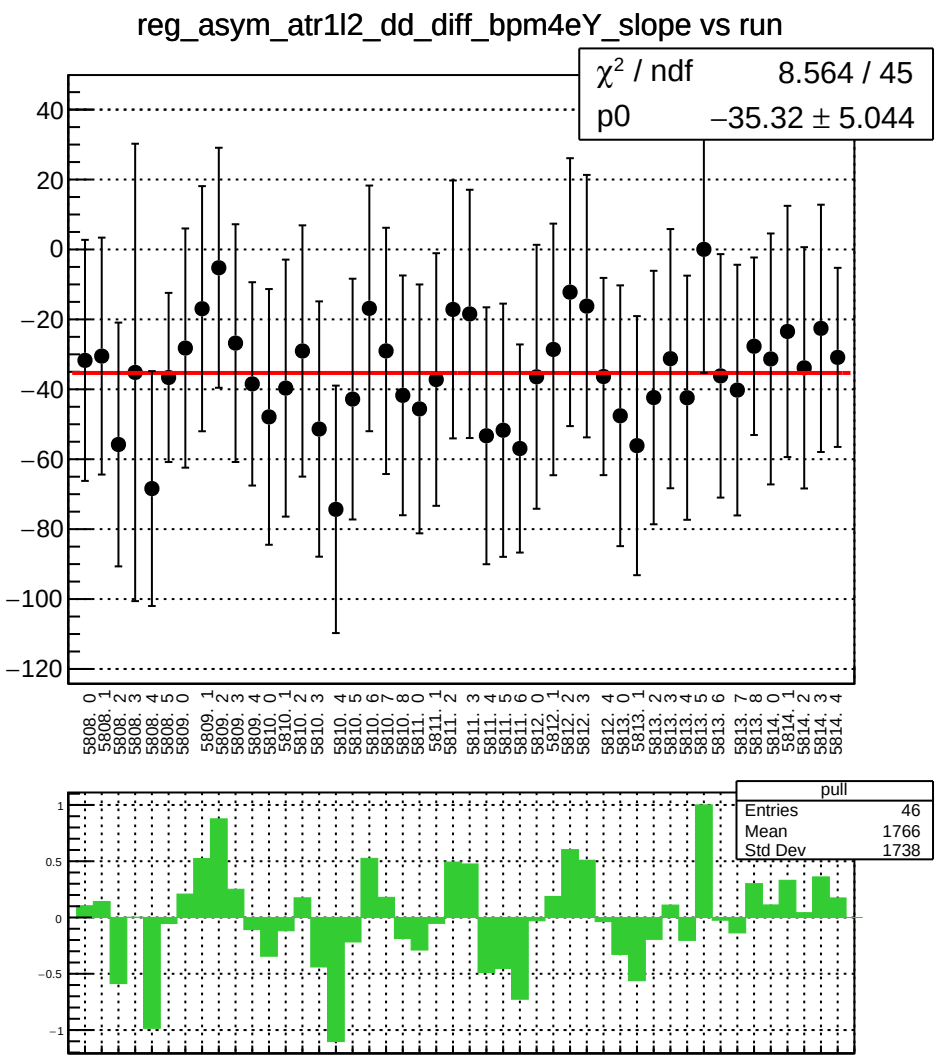

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 19.97 / 45
p0 −106.8 ± 0.2828
pull
Entries 46
Mean −163.9
Std Dev 184.6
pull1D
Entries 46
Mean −0.004458
Std Dev 0.6588

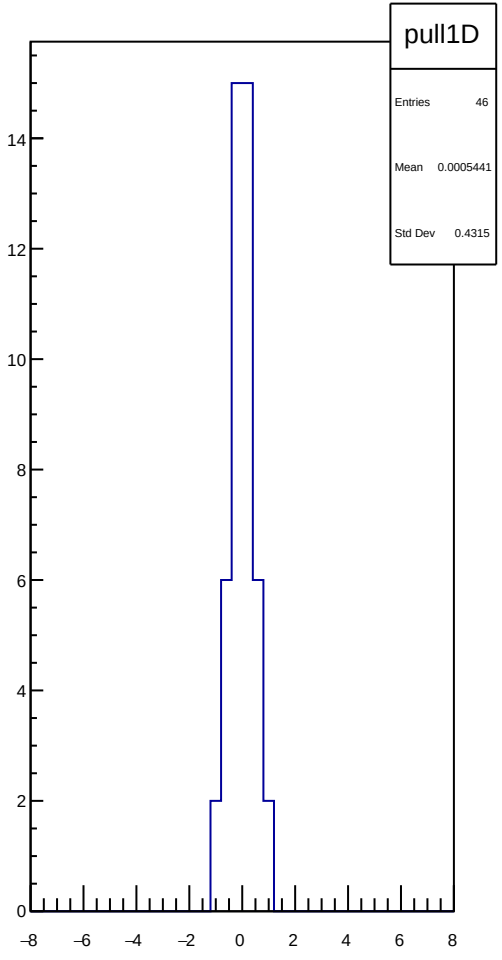

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.76 / 45
p0 208.9 ± 5.21
pull
Entries 46
Mean 507.6
Std Dev 490.7

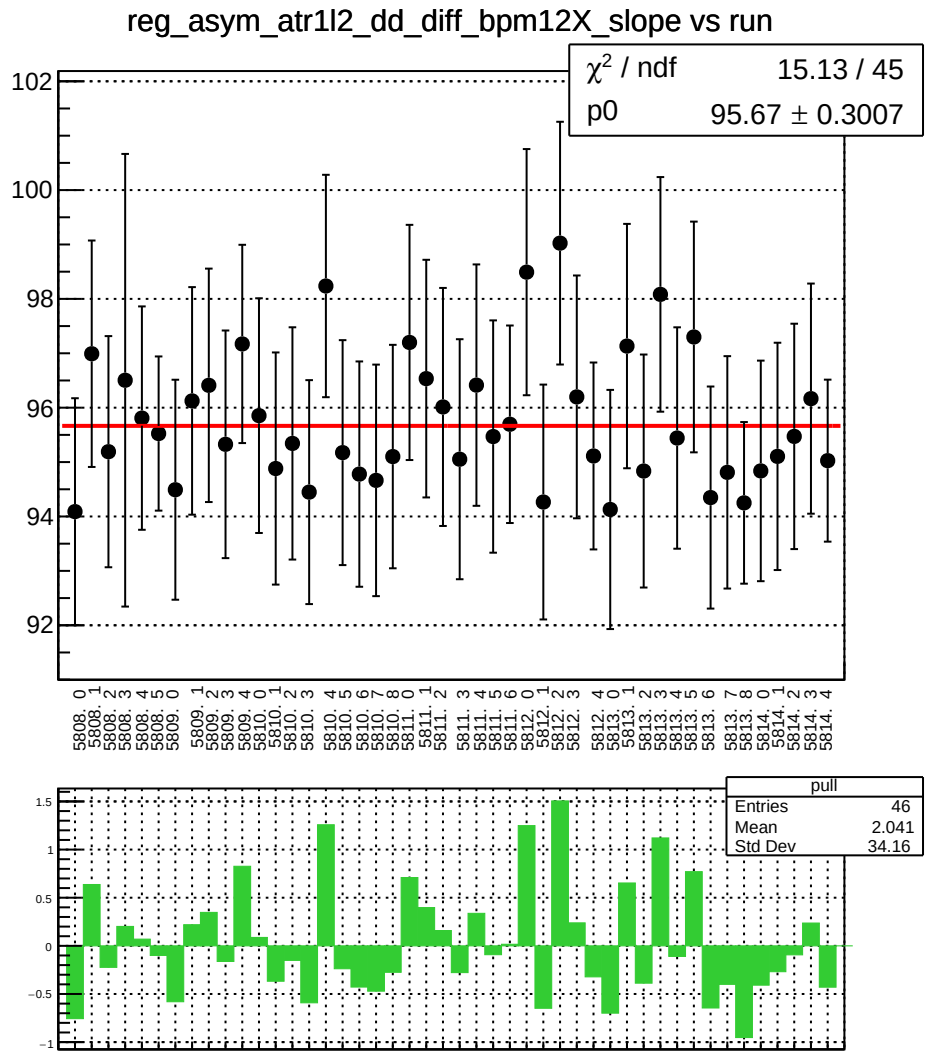

pull1D
Entries 46
Mean 0.002428
Std Dev 0.5266

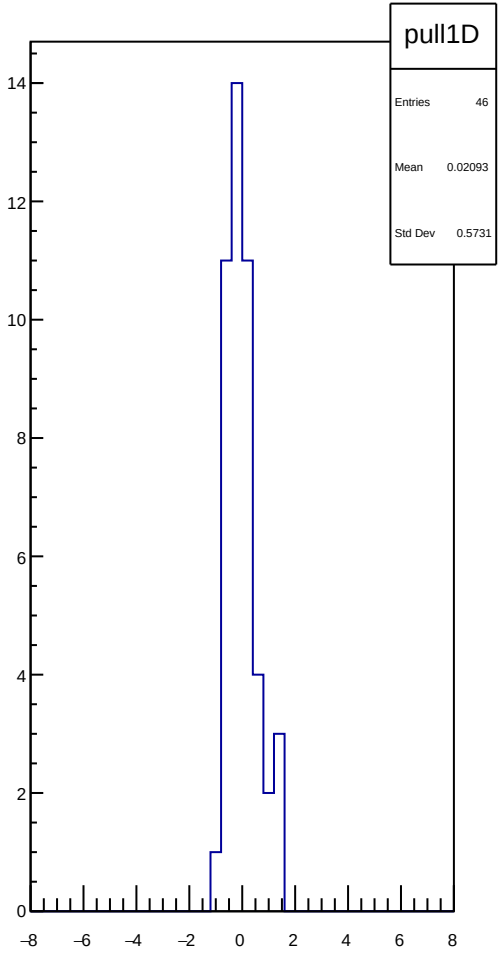

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.594 / 45
p0 −18.91± 4.603
pull
Entries 46
Mean 538.9
Std Dev 510.4
pull1D
Entries 46
Mean −0.001468
Std Dev 0.4322

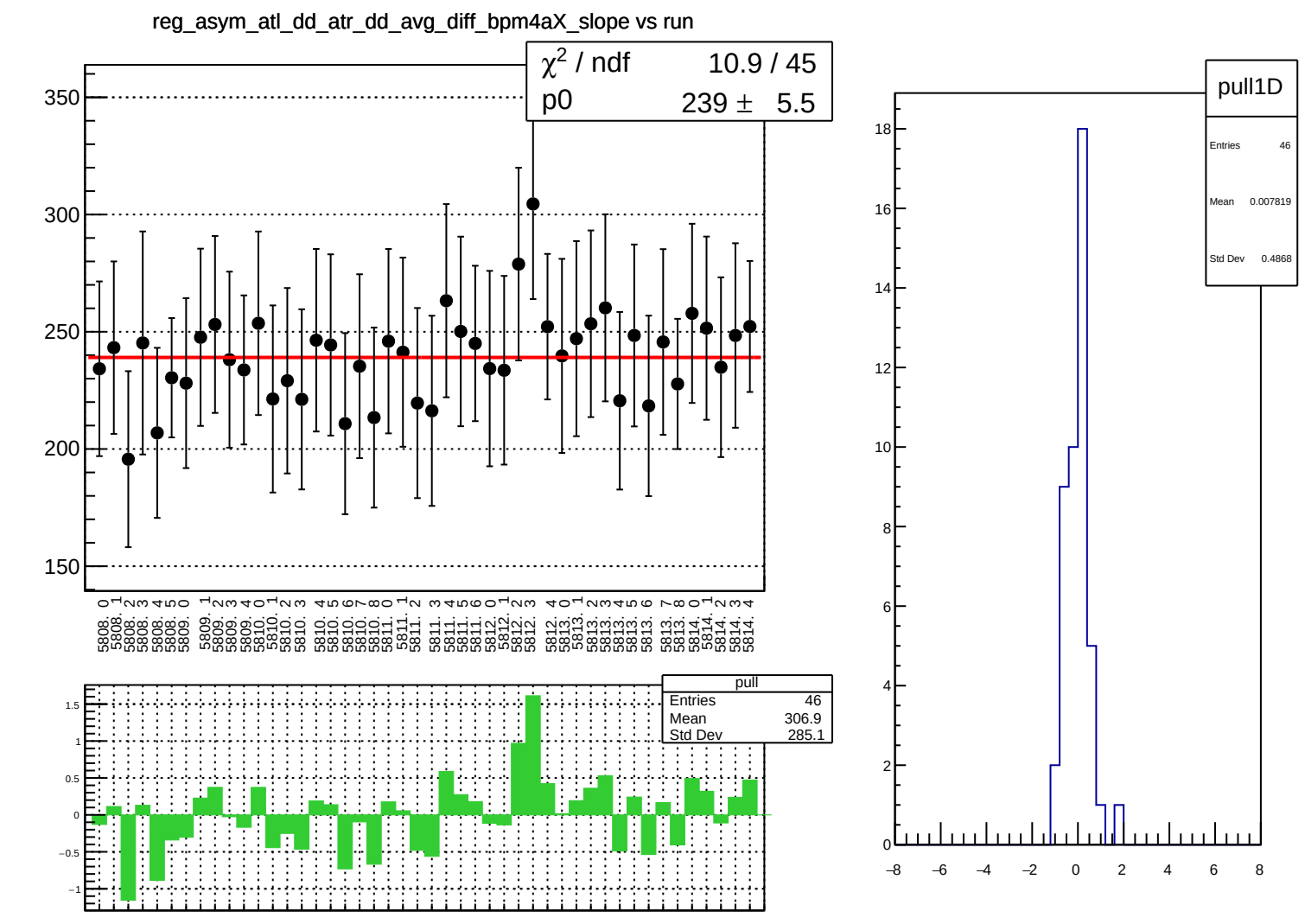

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.58 / 45
p0 −284.9 ± 6.622
−200
−250
−300
−350
−400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 869.6
Std Dev 852.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.001348
Std Dev 0.5229
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

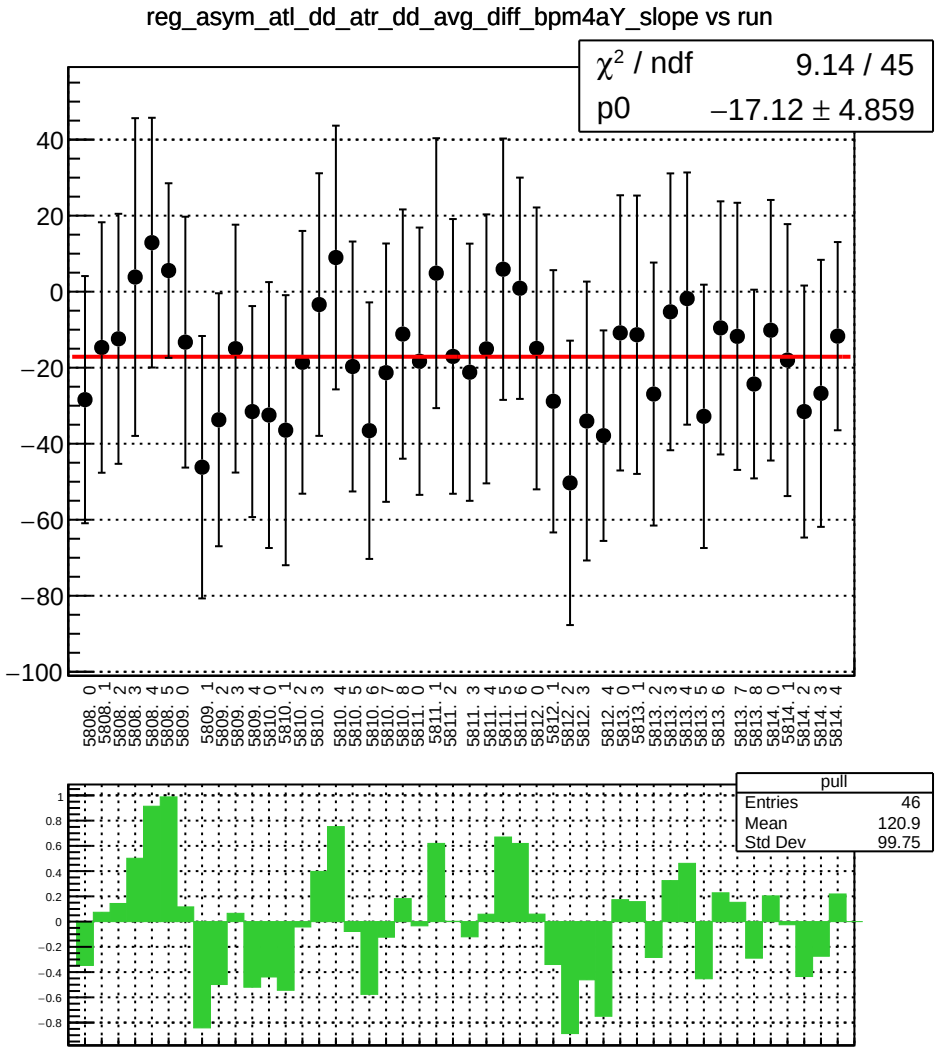

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.564 / 45
p0 −35.32 ± 5.044
40
20
0
−20
−40
−60
−80
−100
−120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1766
Std Dev 1738
1
0.5
0
−0.5
−1

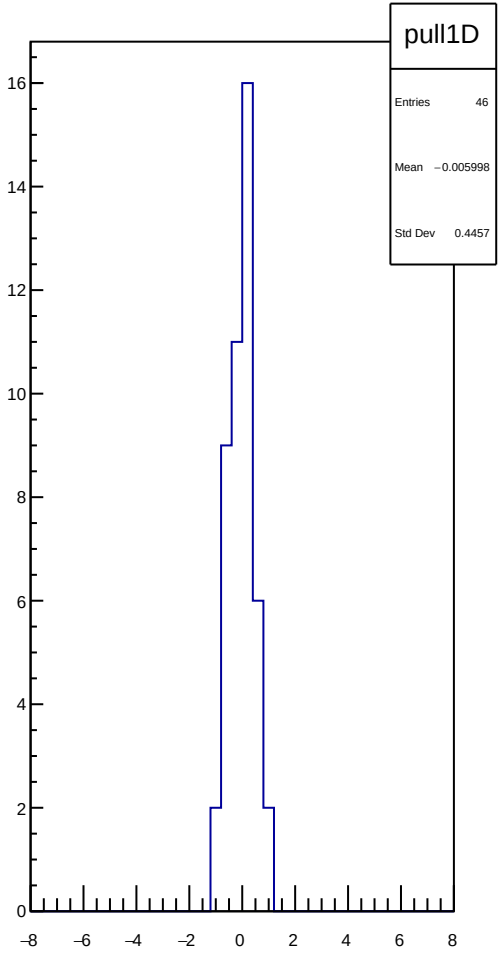

pull1D
Entries 46
Mean 0.0005441
Std Dev 0.4315
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

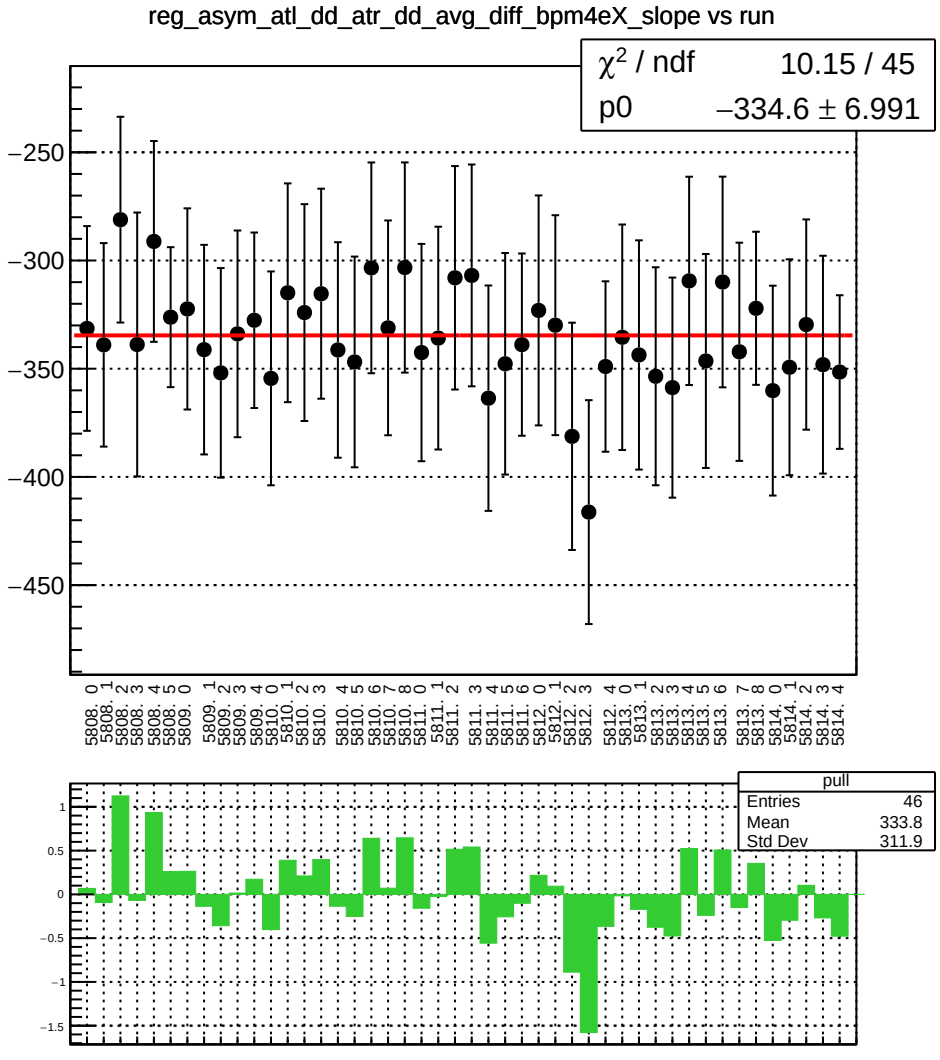

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 15.13 / 45
p0 95.67 ± 0.3007
pull
Entries 46
Mean 2.041
Std Dev 34.16

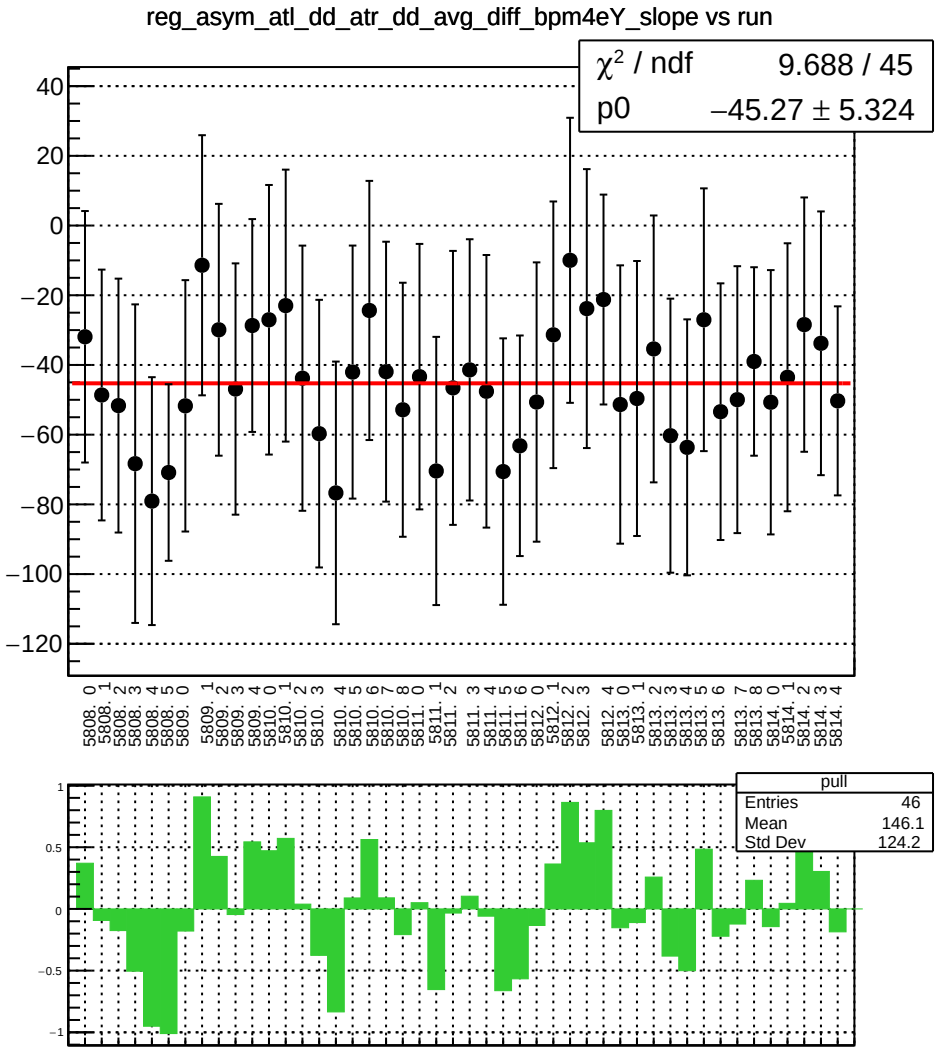

pull1D
Entries 46
Mean 0.02093
Std Dev 0.5731

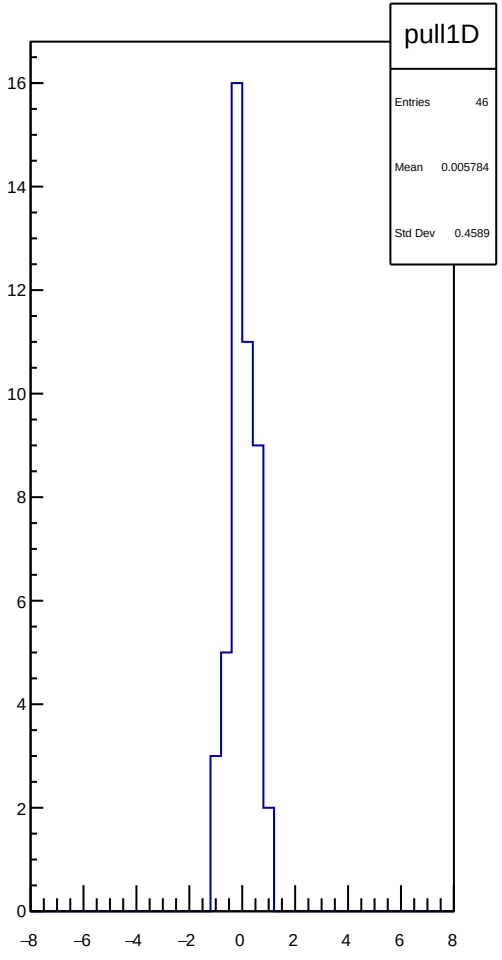

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.9 / 45
p0 239 ± 5.5
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 306.9
Std Dev 285.1
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.007819
Std Dev 0.4868
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

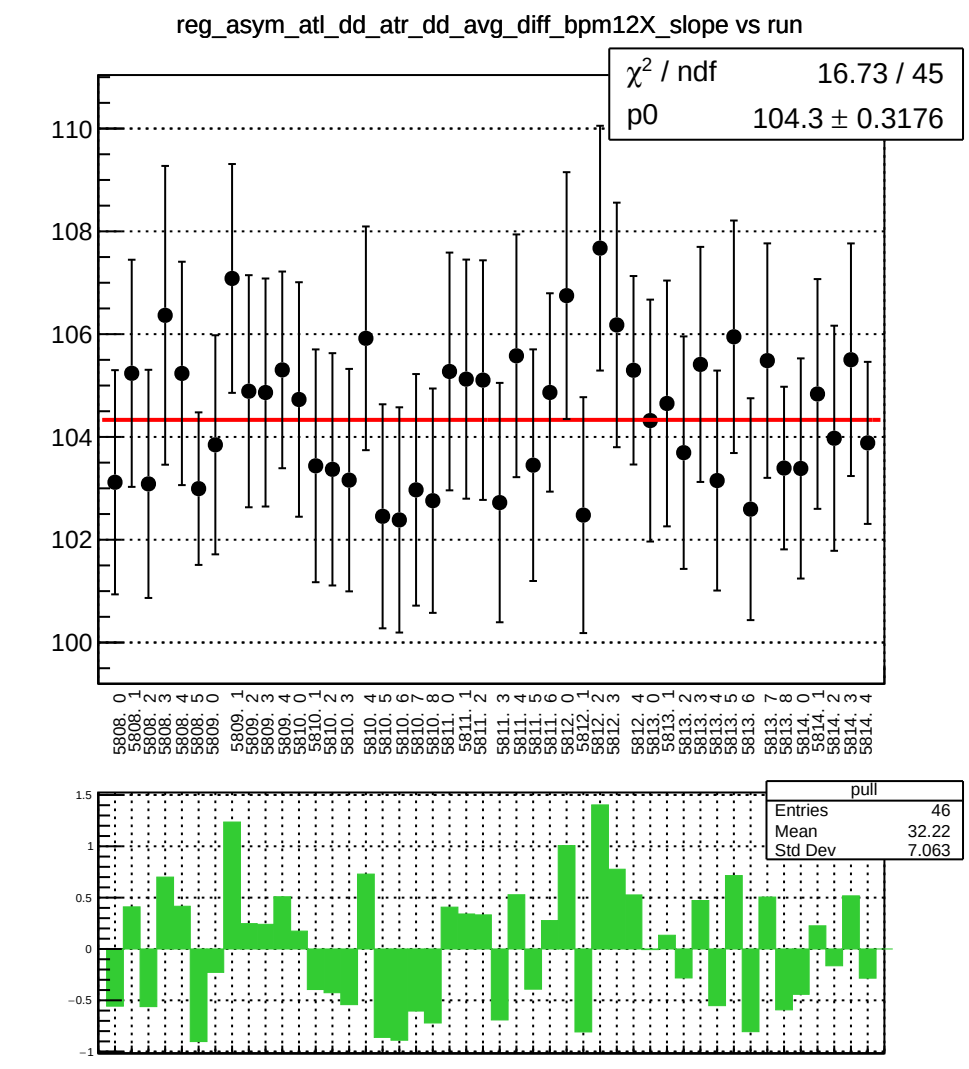

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.14 / 45
p0 −17.12 ± 4.859
pull
Entries 46
Mean 120.9
Std Dev 99.75

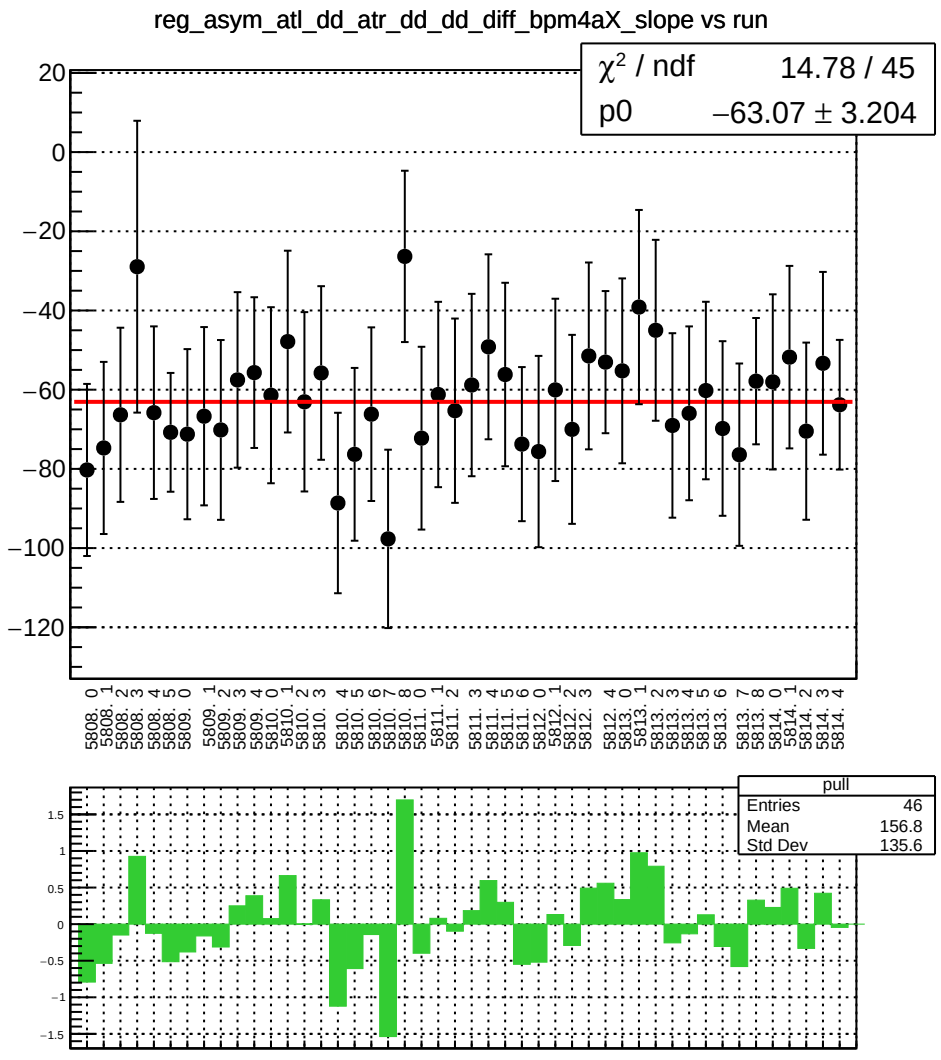

pull1D
Entries 46
Mean −0.005998
Std Dev 0.4457

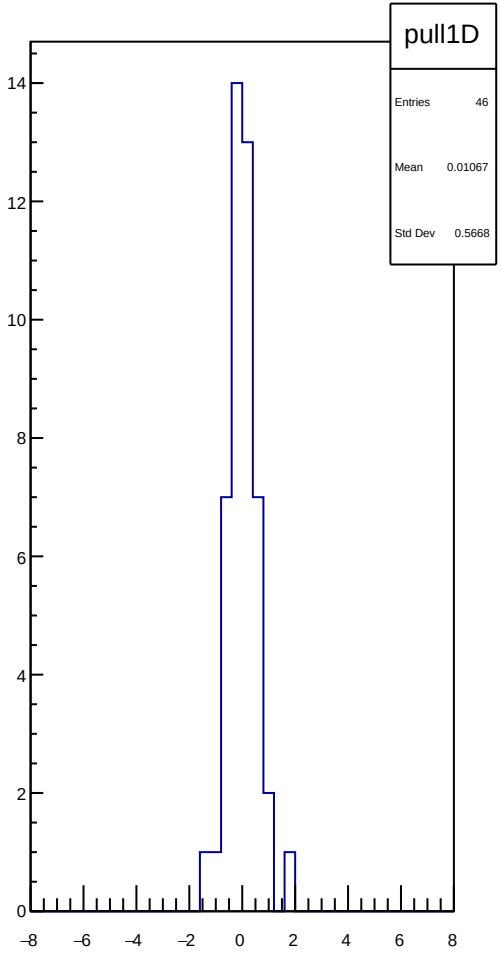

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.15 / 45
p0 −334.6 ± 6.991
−250
−300
−350
−400
−450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 333.8
Std Dev 311.9
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.006878
Std Dev 0.4696
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

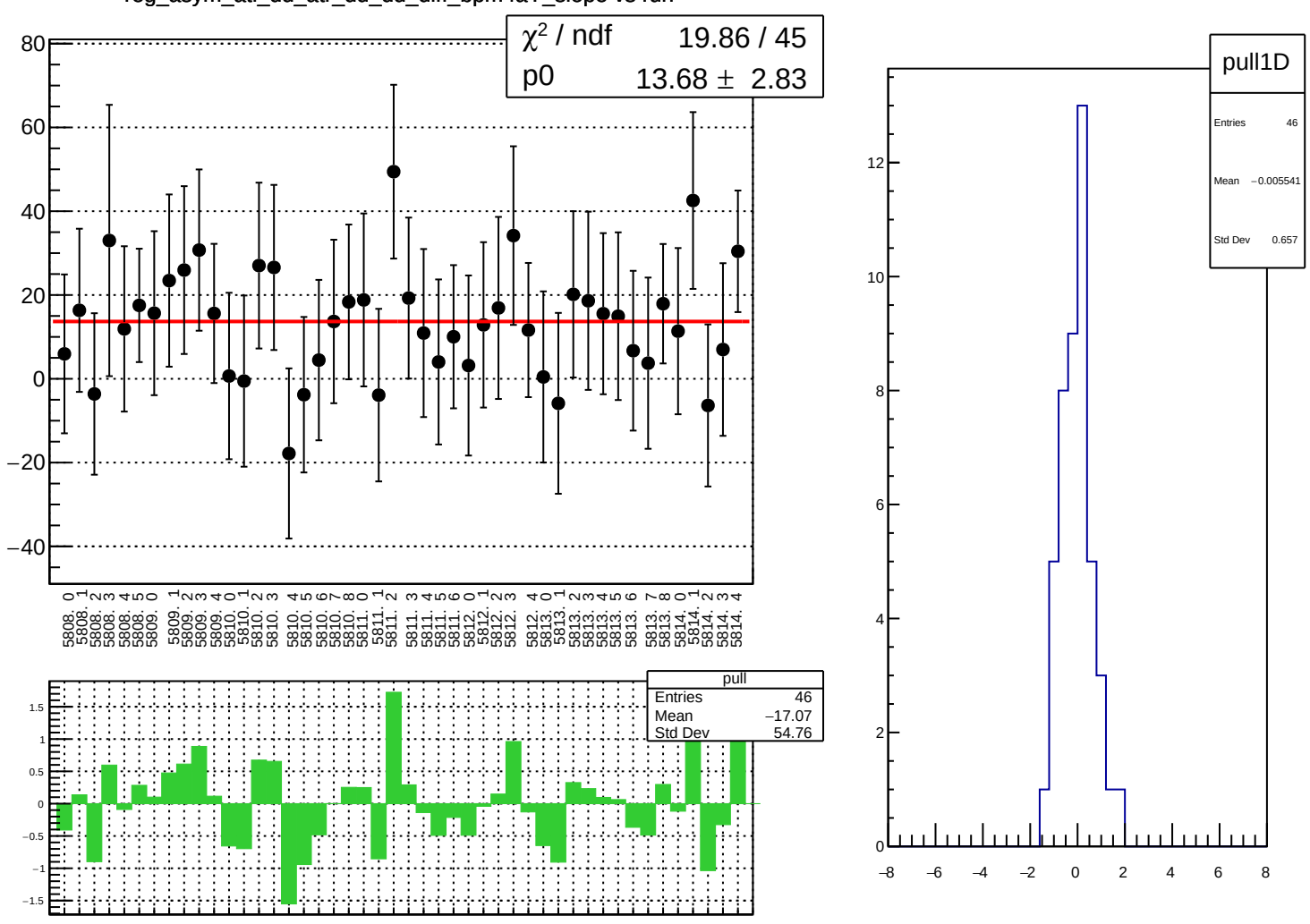

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.688 / 45
p0 −45.27 ± 5.324
pull
Entries 46
Mean 146.1
Std Dev 124.2

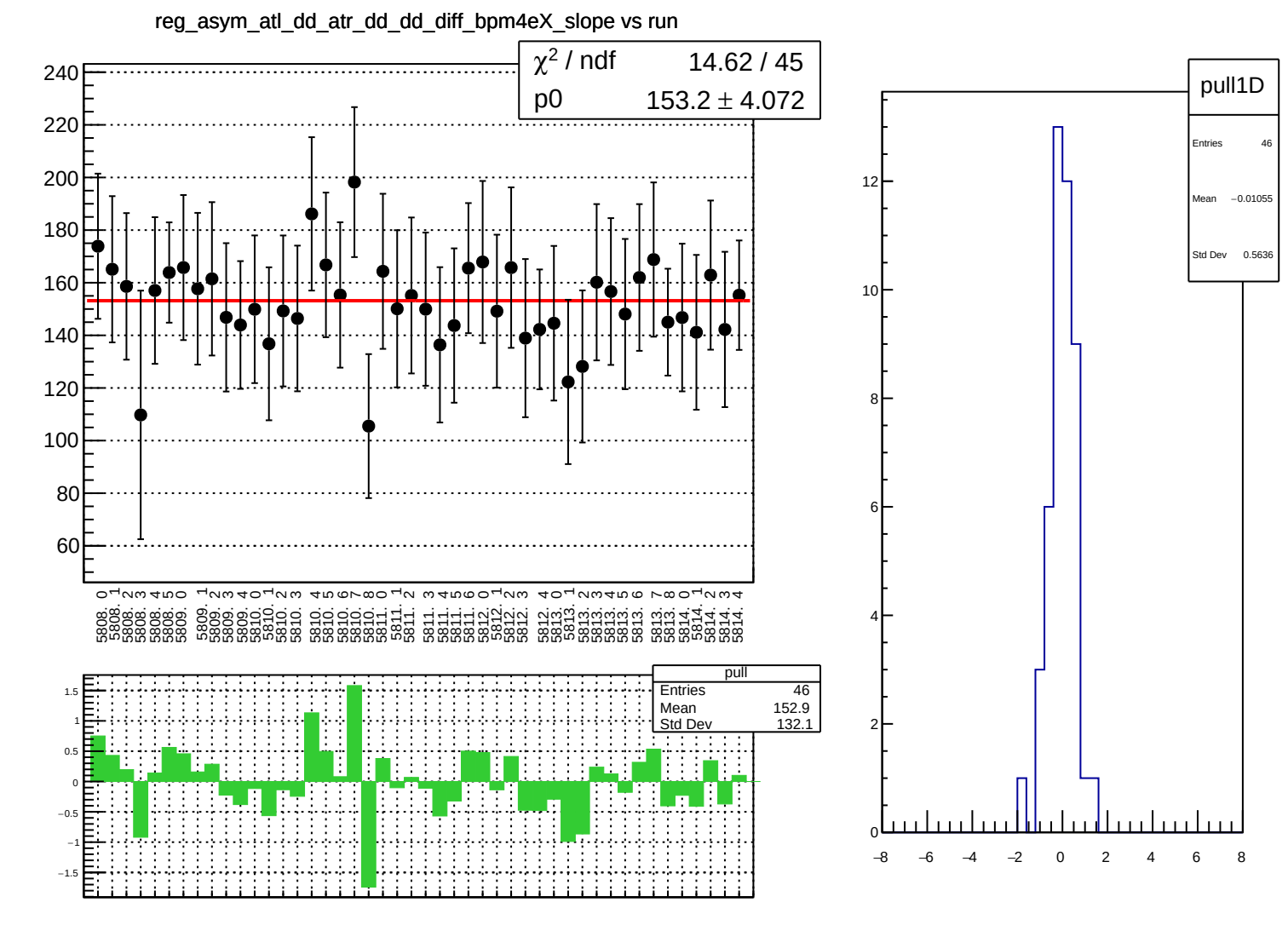

pull1D
Entries 46
Mean 0.005784
Std Dev 0.4589

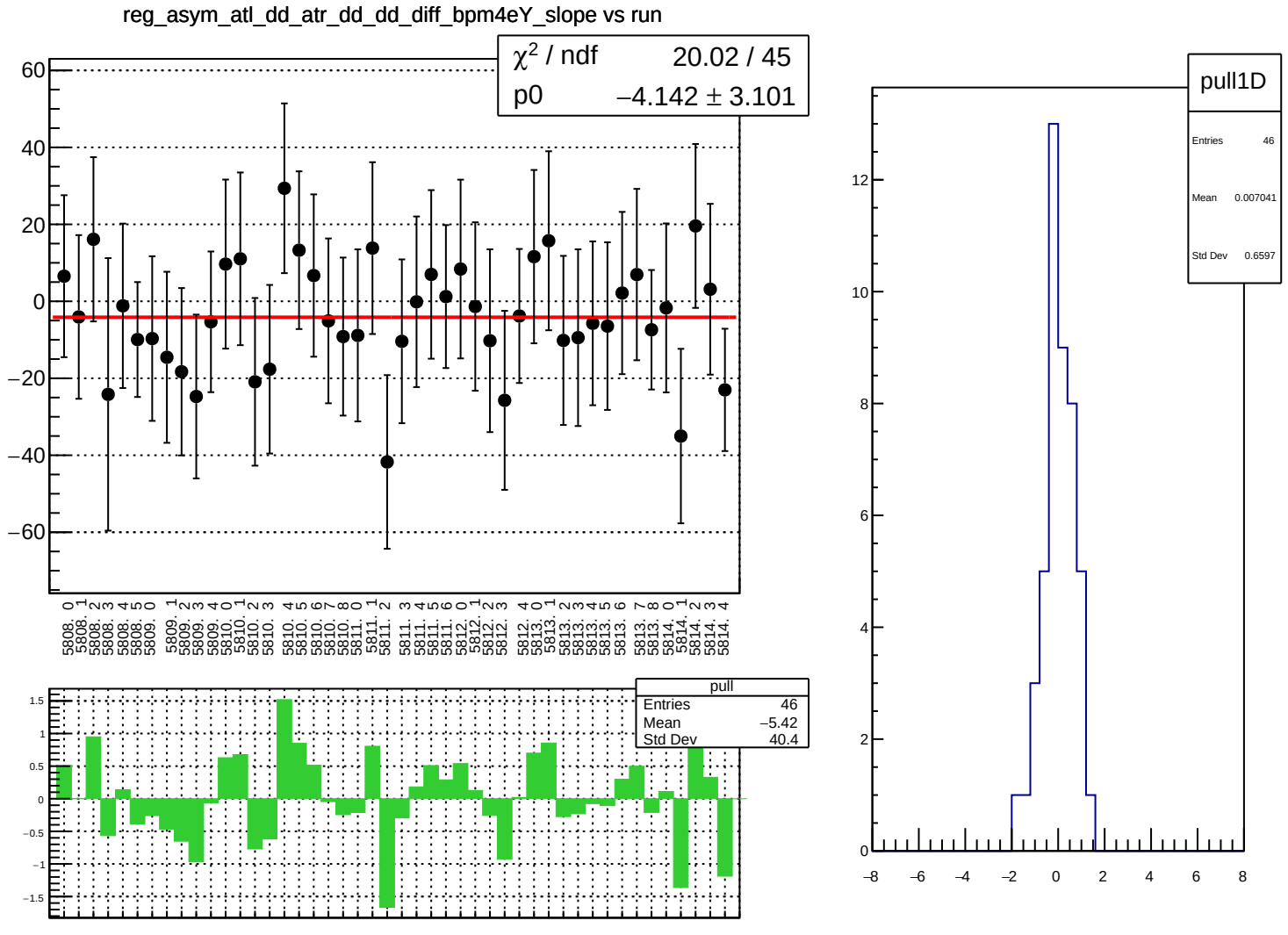

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 16.73 / 45
p0 104.3 ± 0.3176
110
108
106
104
102
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 32.22
Std Dev 7.063
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.02446
Std Dev 0.6026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

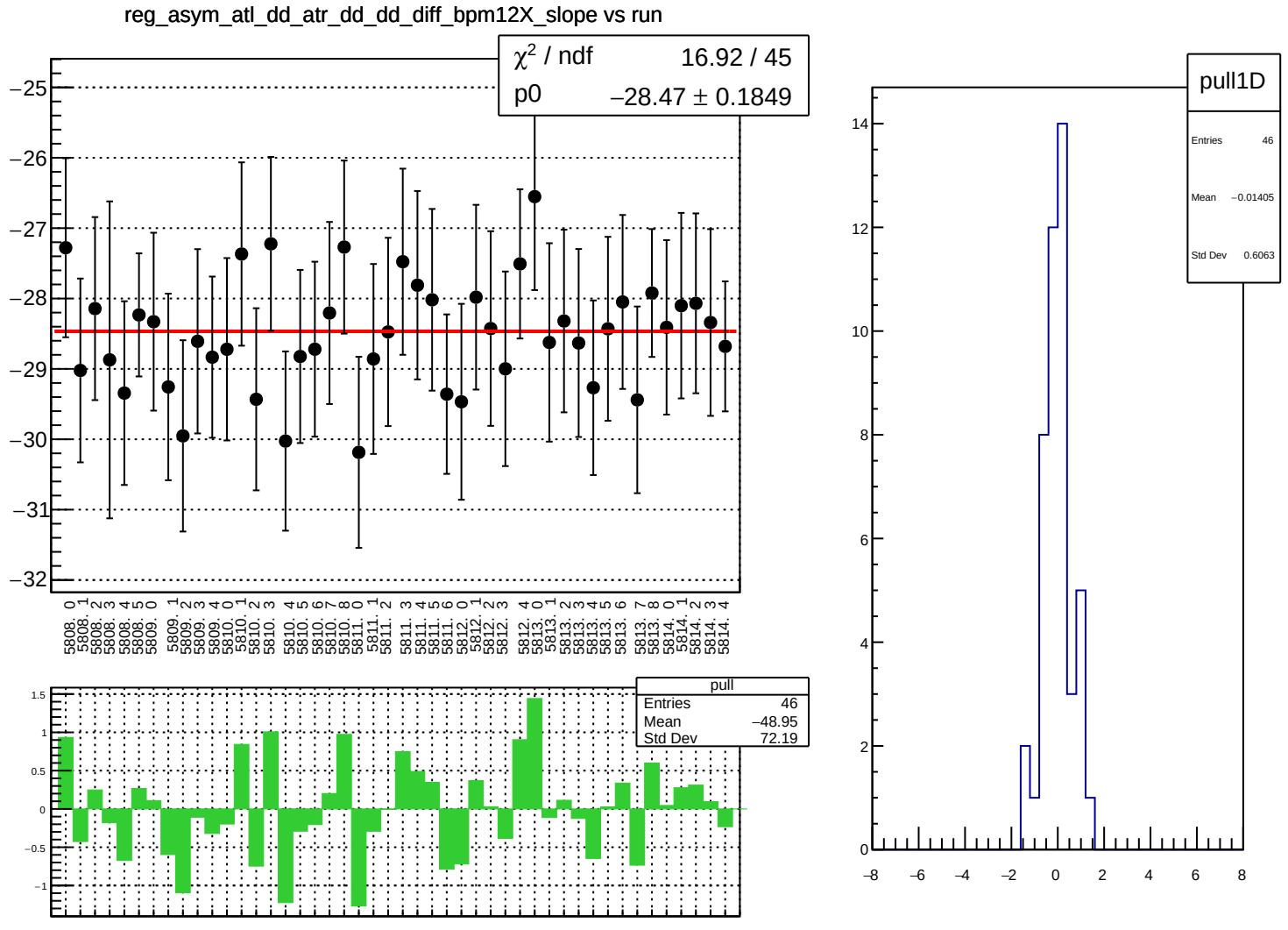

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.78 / 45
p0 −63.07 ± 3.204
pull
Entries 46
Mean 156.8
Std Dev 135.6

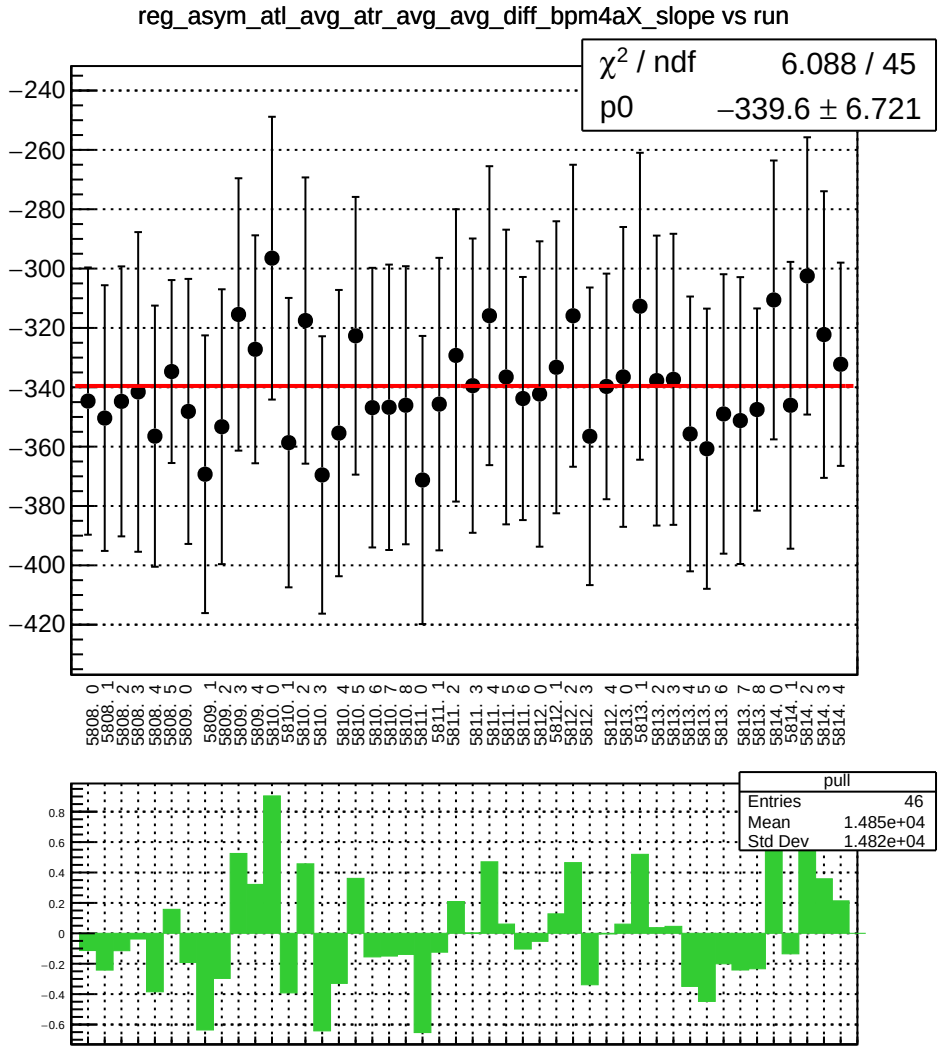

pull1D
Entries 46
Mean 0.01067
Std Dev 0.5668

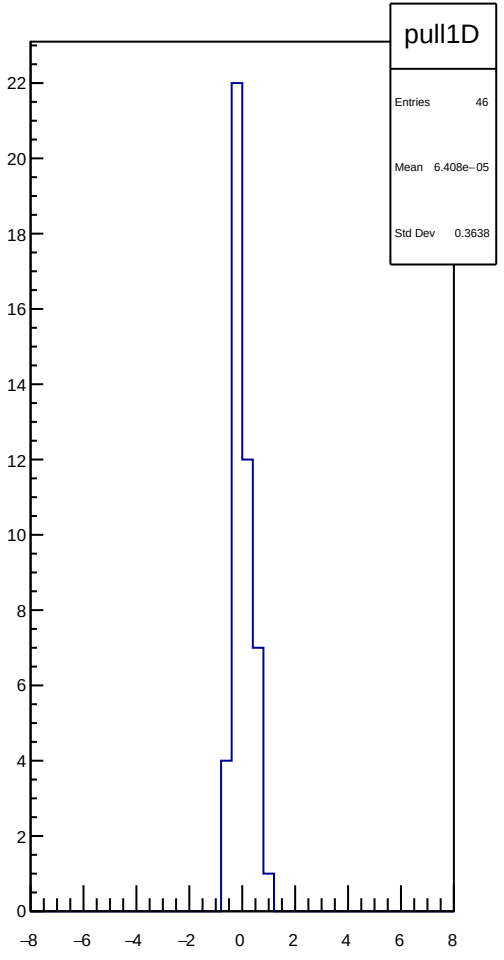

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.86 / 45
p0 13.68 ± 2.83
pull
Entries 46
Mean −17.07
Std Dev 54.76
pull1D
Entries 46
Mean −0.005541
Std Dev 0.657

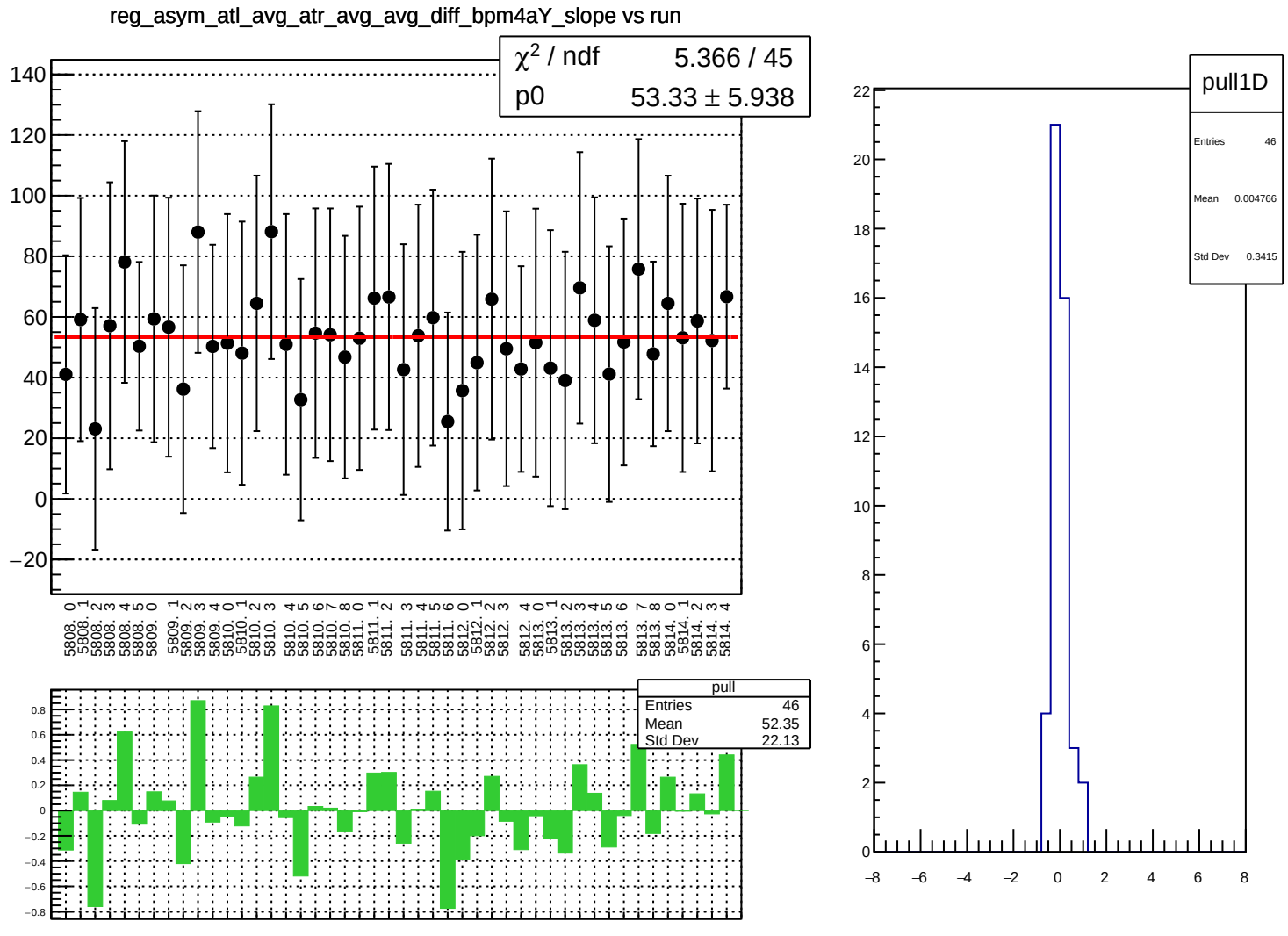

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.62 / 45
p0 153.2 ± 4.072
pull
Entries 46
Mean 152.9
Std Dev 132.1
pull1D
Entries 46
Mean −0.01055
Std Dev 0.5636

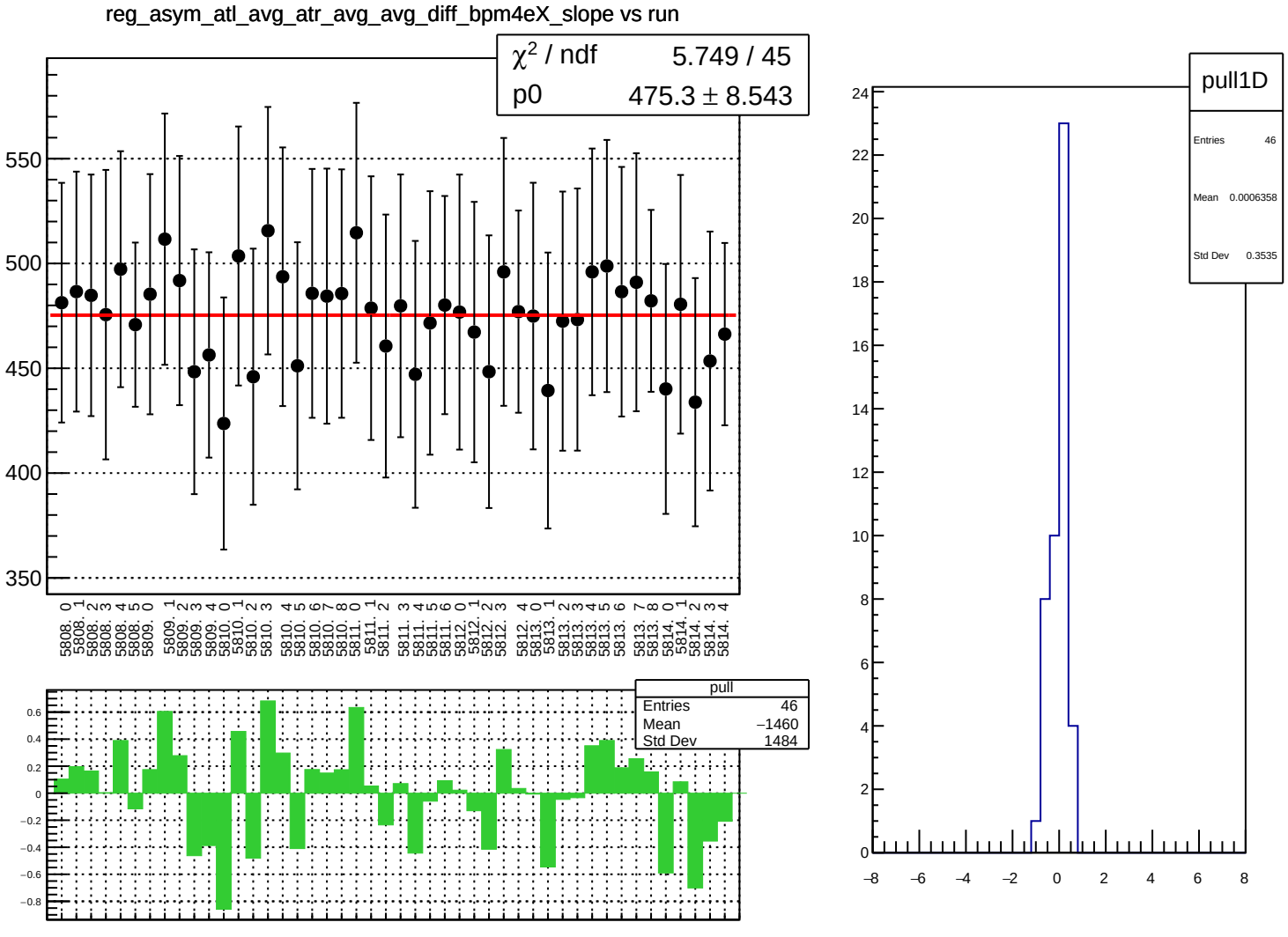

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.02 / 45
p0 −4.142 ± 3.101
pull
Entries 46
Mean −5.42
Std Dev 40.4
pull1D
Entries 46
Mean 0.007041
Std Dev 0.6597

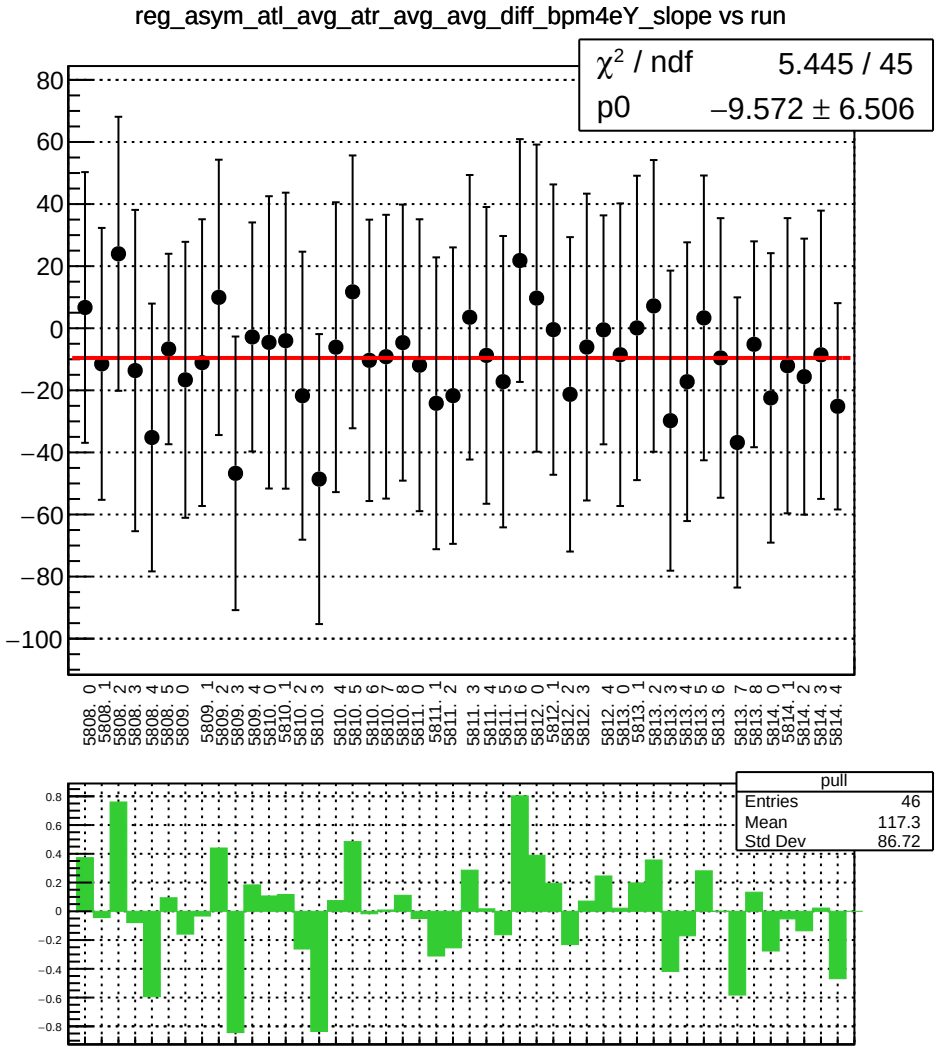

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 16.92 / 45
p0 −28.47 ± 0.1849
pull
Entries 46
Mean −48.95
Std Dev 72.19
pull1D
Entries 46
Mean −0.01405
Std Dev 0.6063

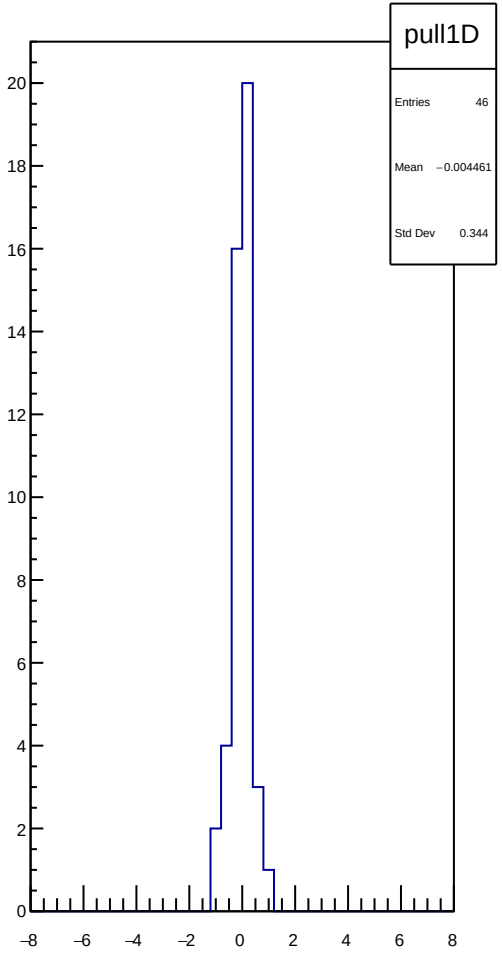

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.088 / 45
p0 −339.6 ± 6.721
pull
Entries 46
Mean 1.485e+04
Std Dev 1.482e+04

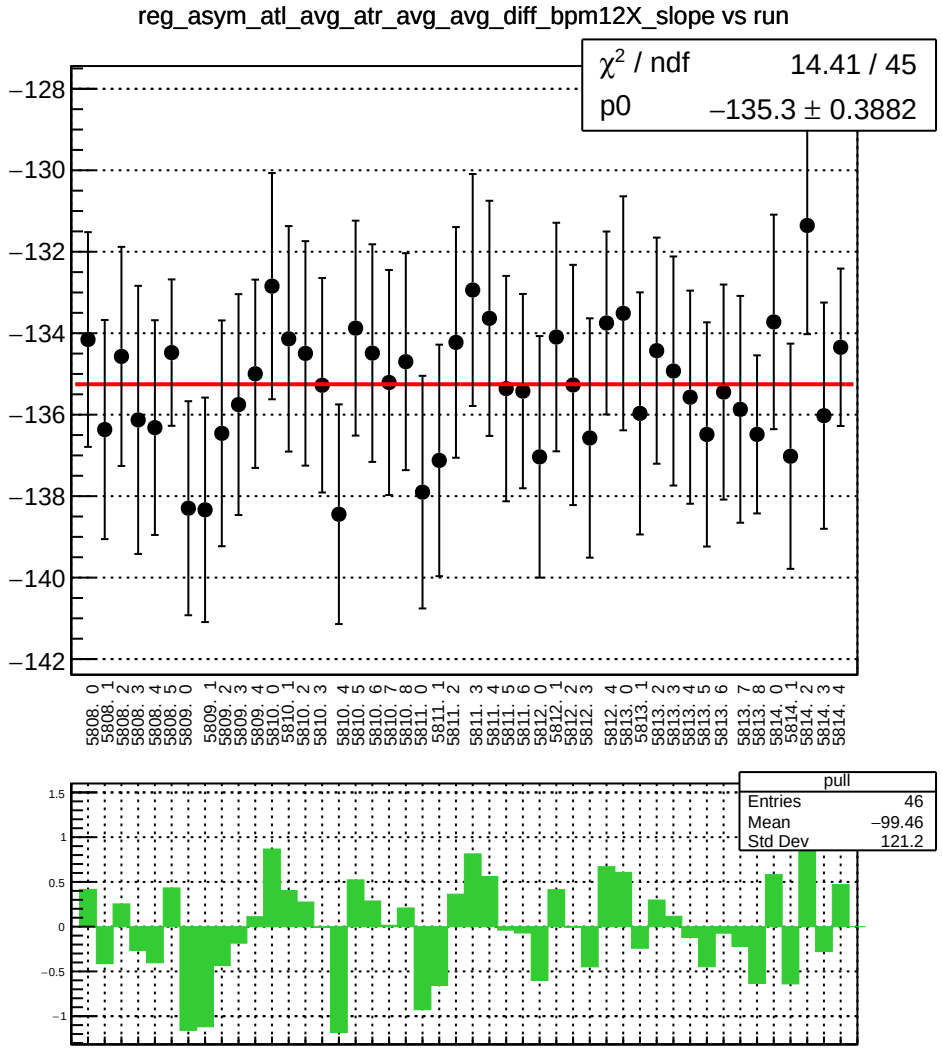

pull1D
Entries 46
Mean 6.408e−05
Std Dev 0.3638

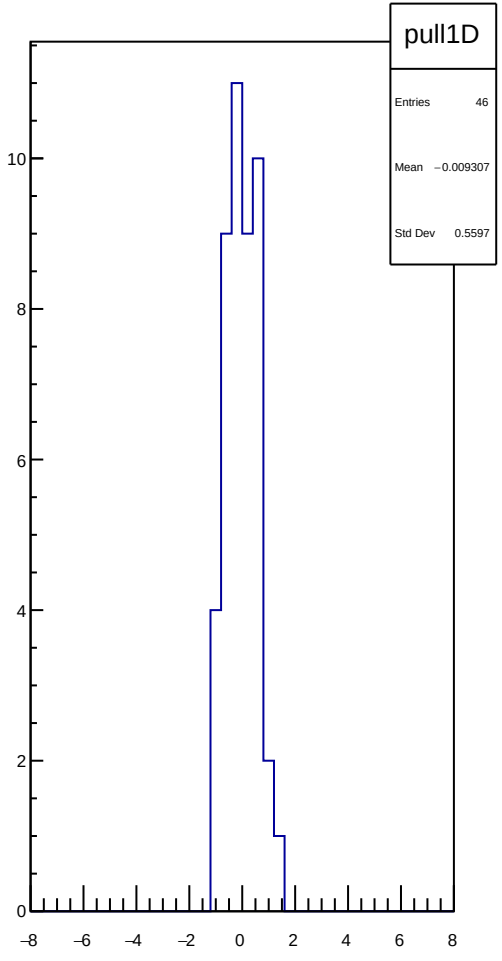

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.366 / 45
p0 53.33 ± 5.938
pull
Entries 46
Mean 52.35
Std Dev 22.13
pull1D
Entries 46
Mean 0.004766
Std Dev 0.3415

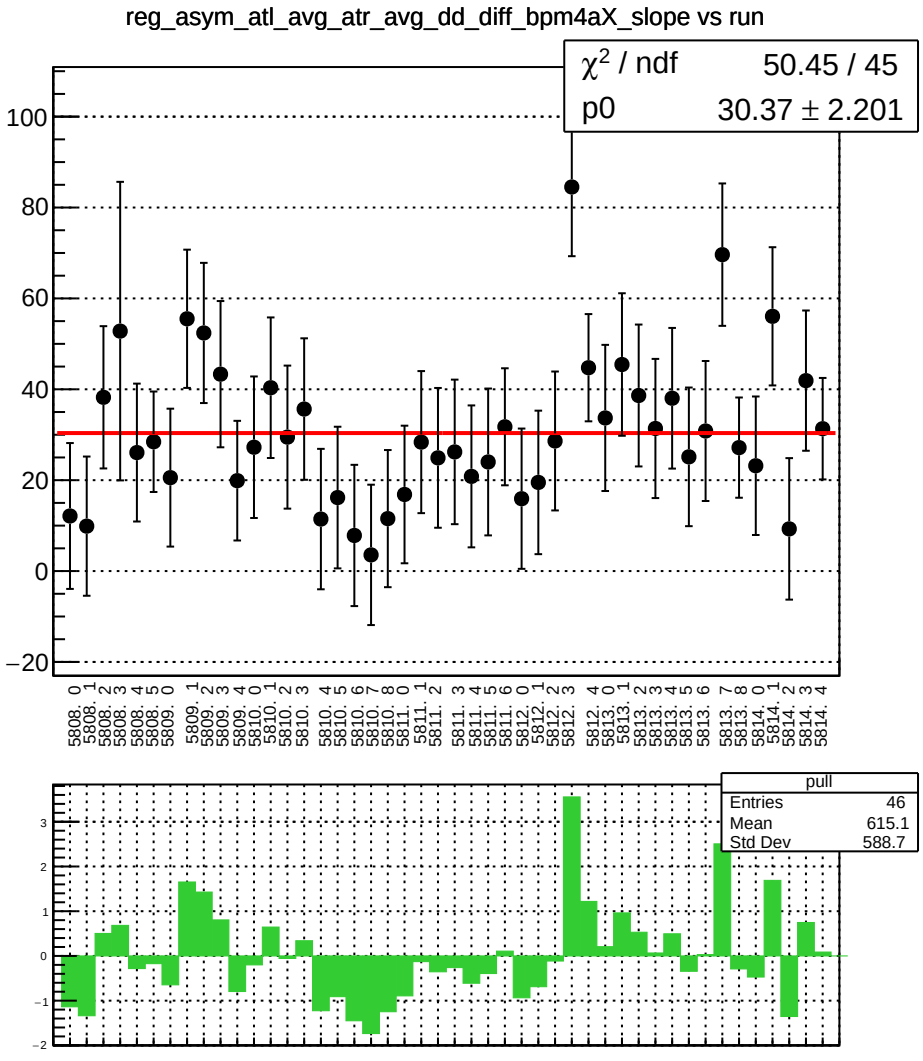

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.749 / 45
p0 475.3 ± 8.543
550
500
450
400
350
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −1460
Std Dev 1484
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.0006358
Std Dev 0.3535
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

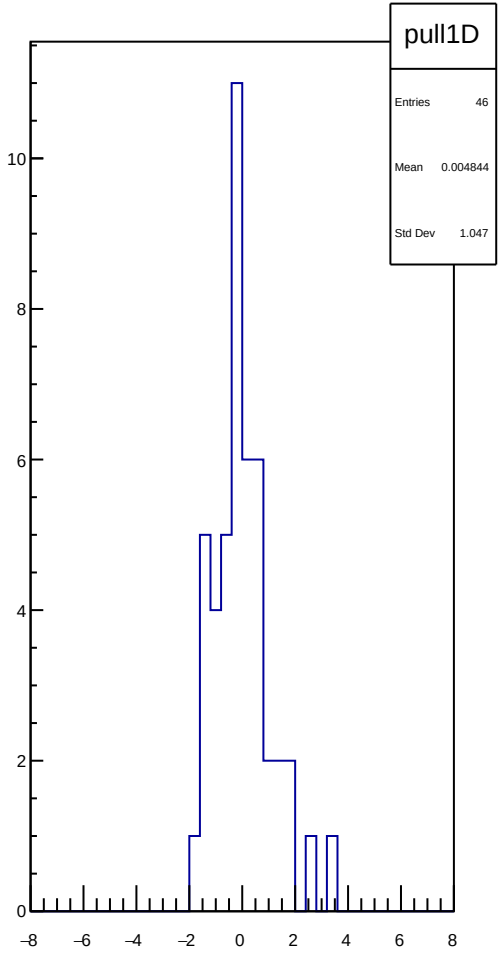

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.445 / 45
p0 −9.572 ± 6.506
pull
Entries 46
Mean 117.3
Std Dev 86.72

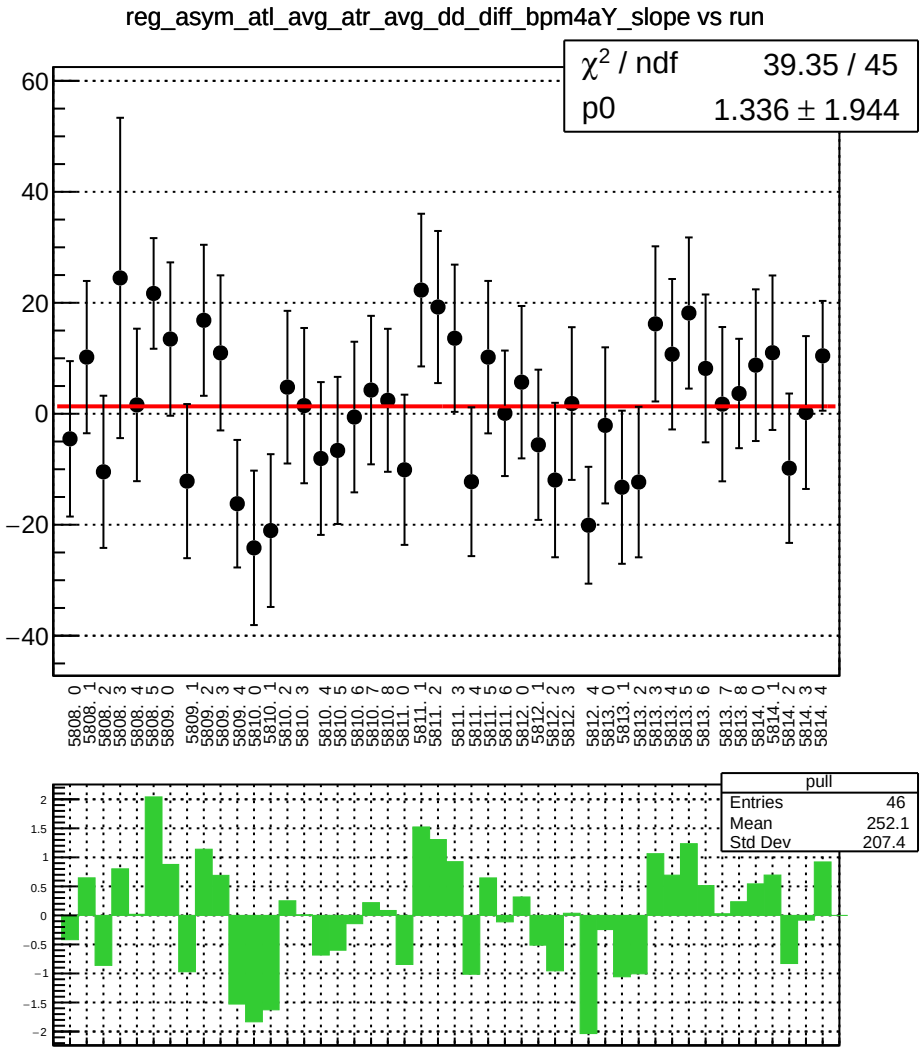

pull1D
Entries 46
Mean −0.004461
Std Dev 0.344

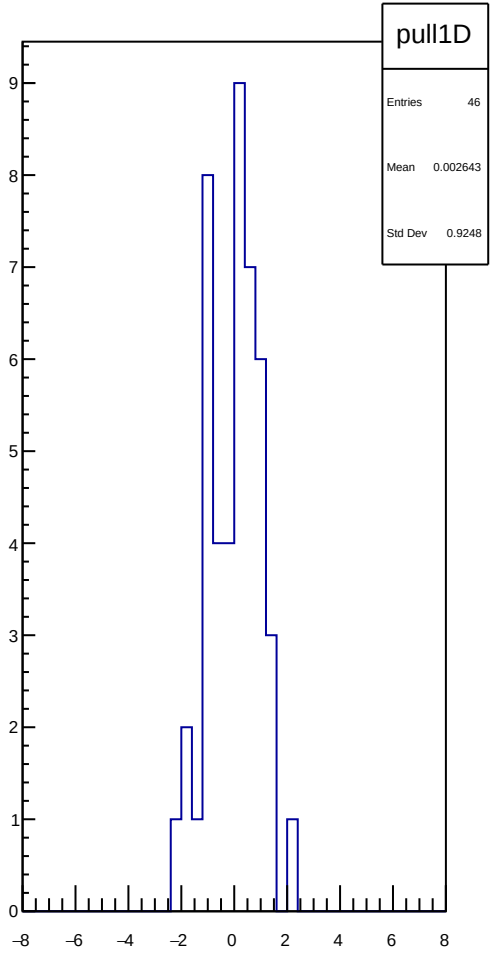

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 14.41 / 45
p0 −135.3 ± 0.3882
pull
Entries 46
Mean −99.46
Std Dev 121.2

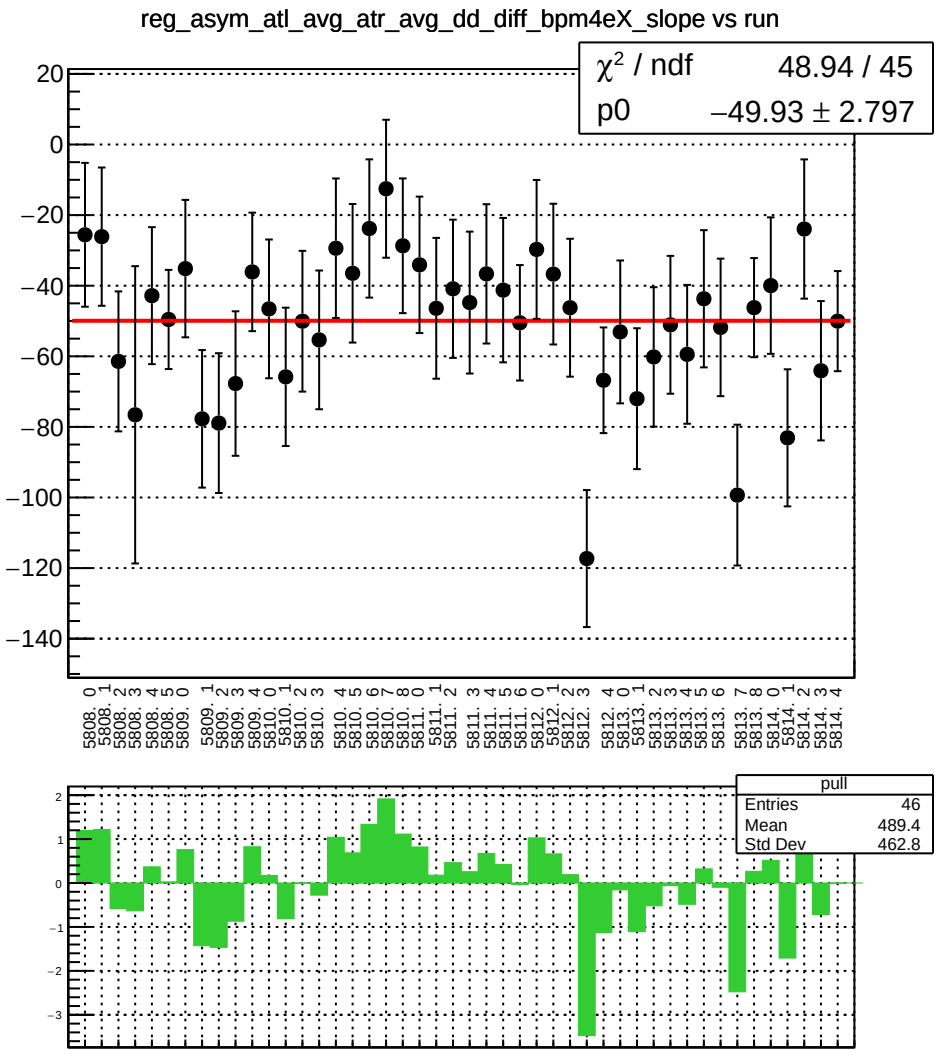

pull1D
Entries 46
Mean −0.009307
Std Dev 0.5597

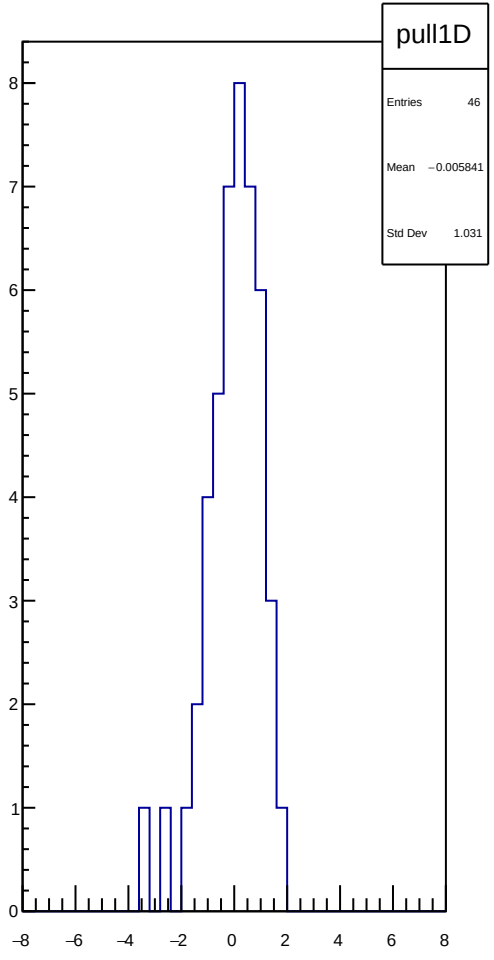

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 50.45 / 45
p0 30.37 ± 2.201
pull
Entries 46
Mean 615.1
Std Dev 588.7

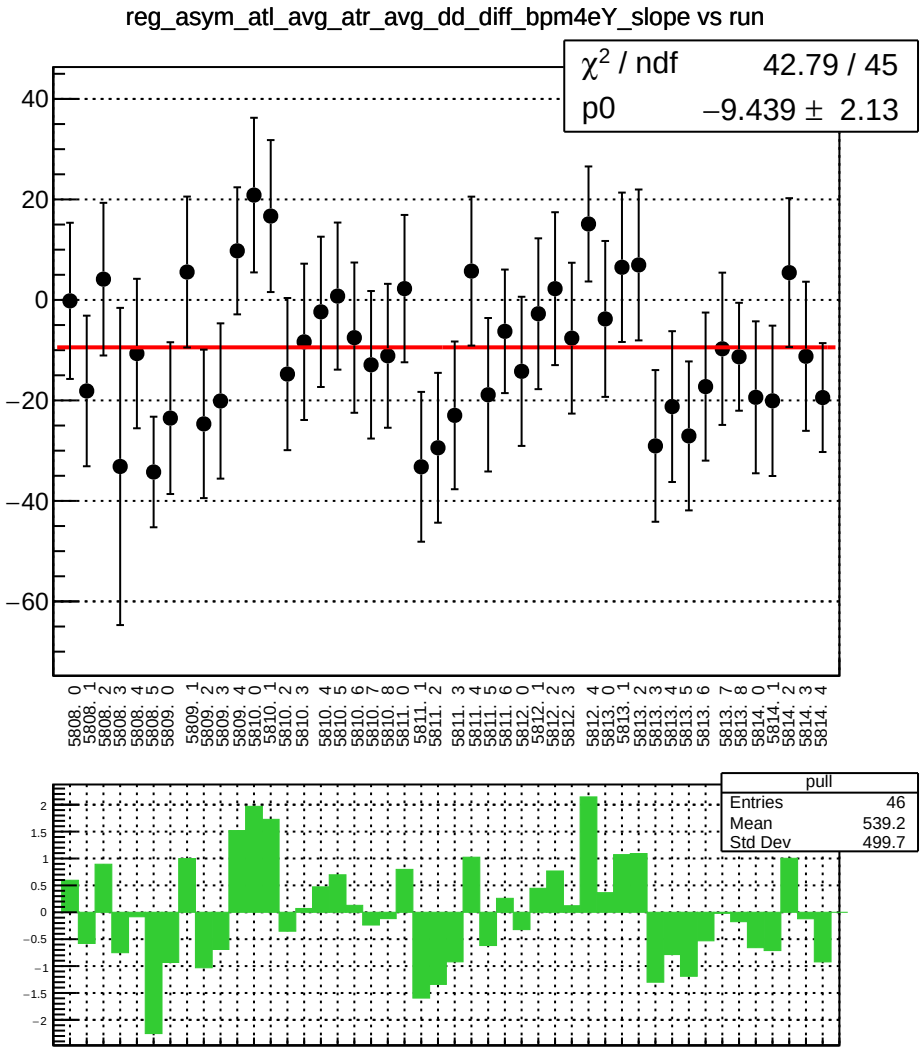

pull1D
Entries 46
Mean 0.004844
Std Dev 1.047

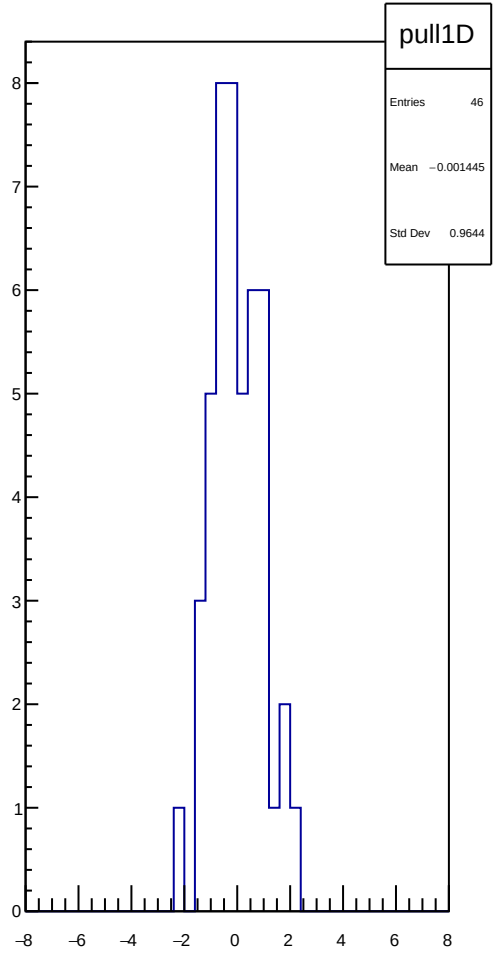

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.35 / 45
p0 1.336 ± 1.944
pull
Entries 46
Mean 252.1
Std Dev 207.4

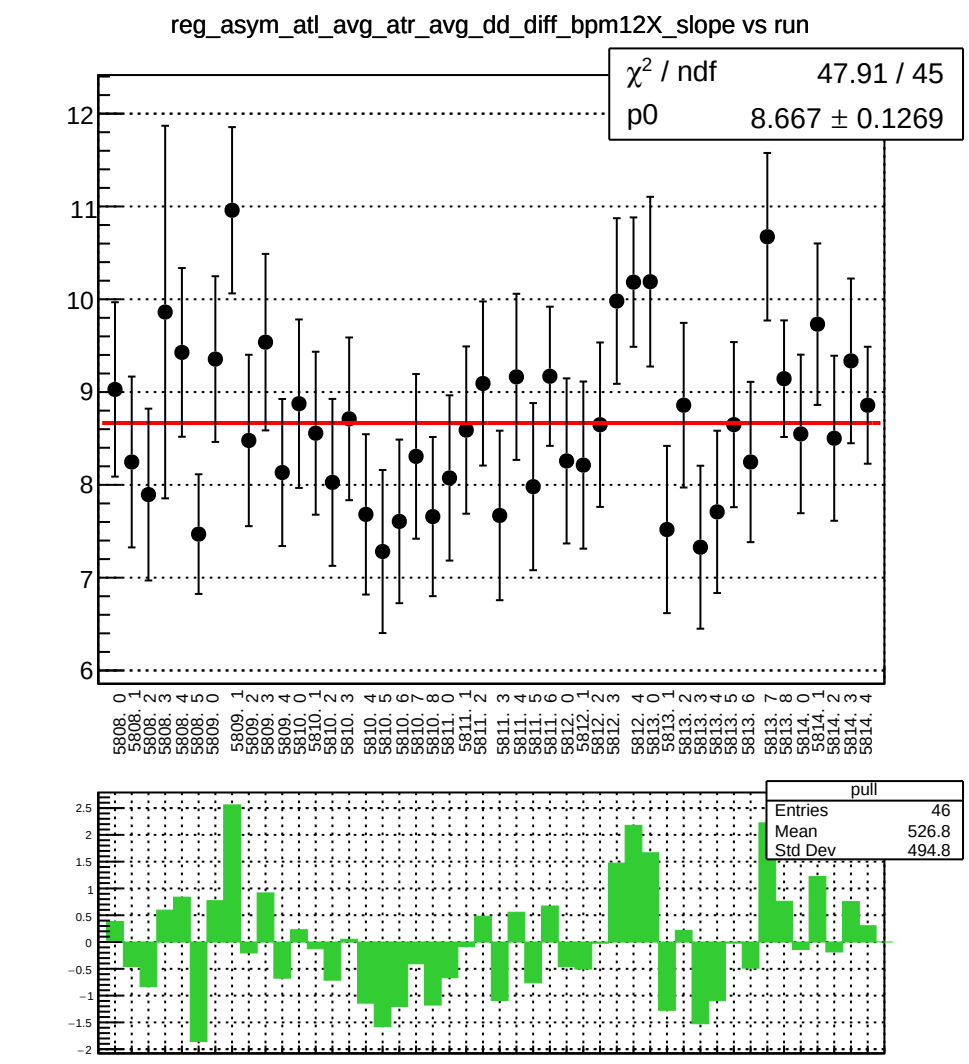

pull1D
Entries 46
Mean 0.002643
Std Dev 0.9248

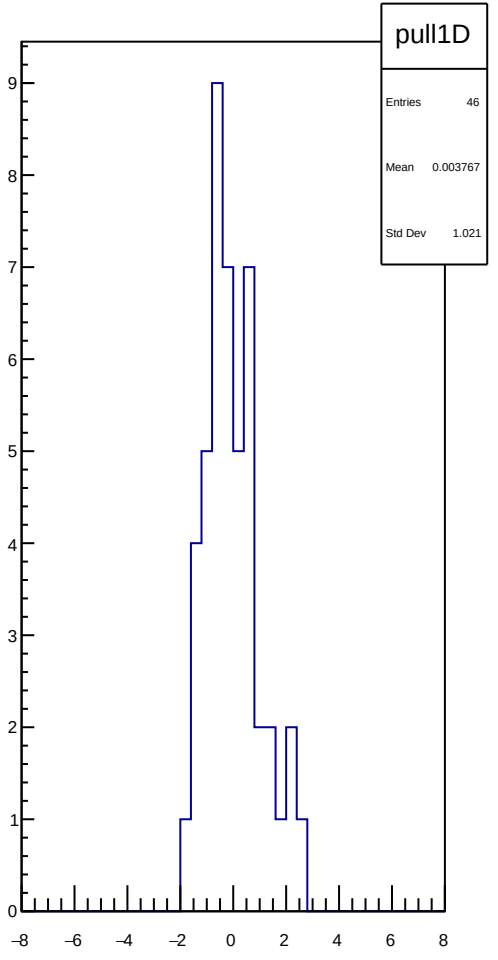

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.94 / 45
p0 −49.93 ± 2.797
pull
Entries 46
Mean 489.4
Std Dev 462.8

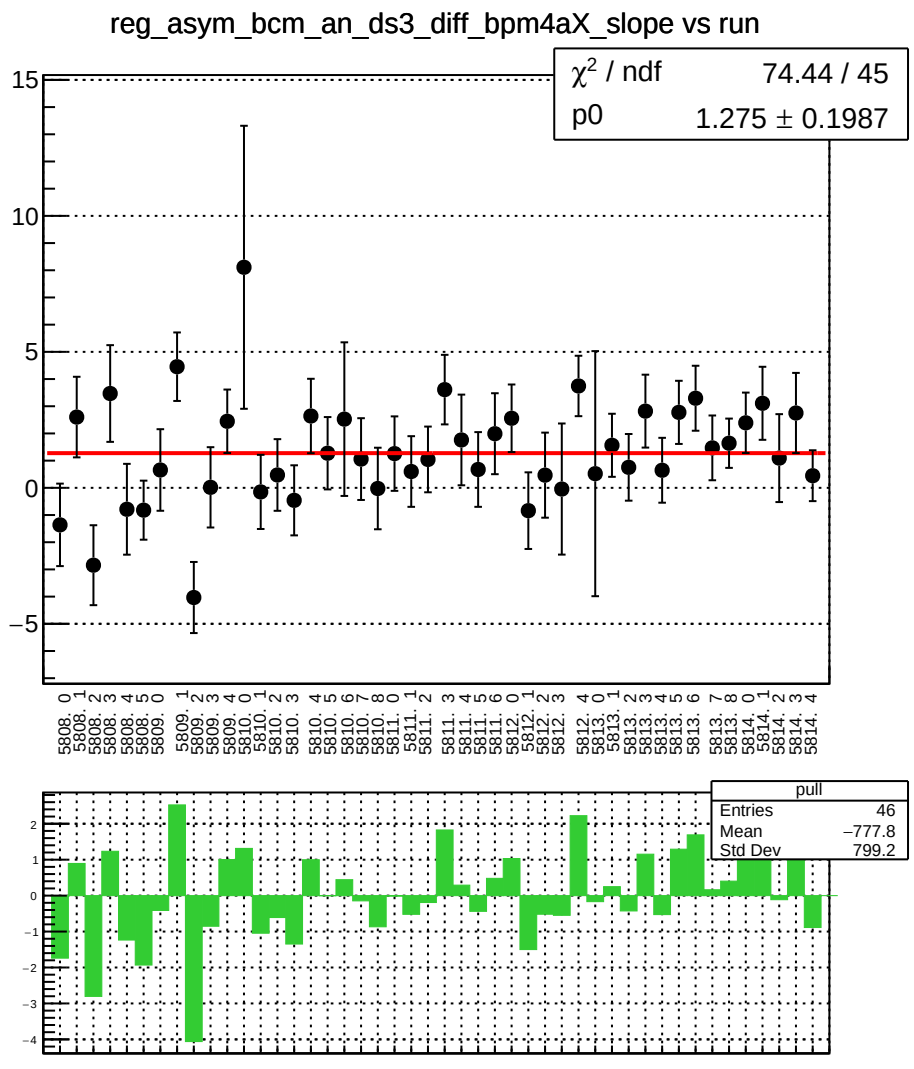

pull1D
Entries 46
Mean −0.005841
Std Dev 1.031

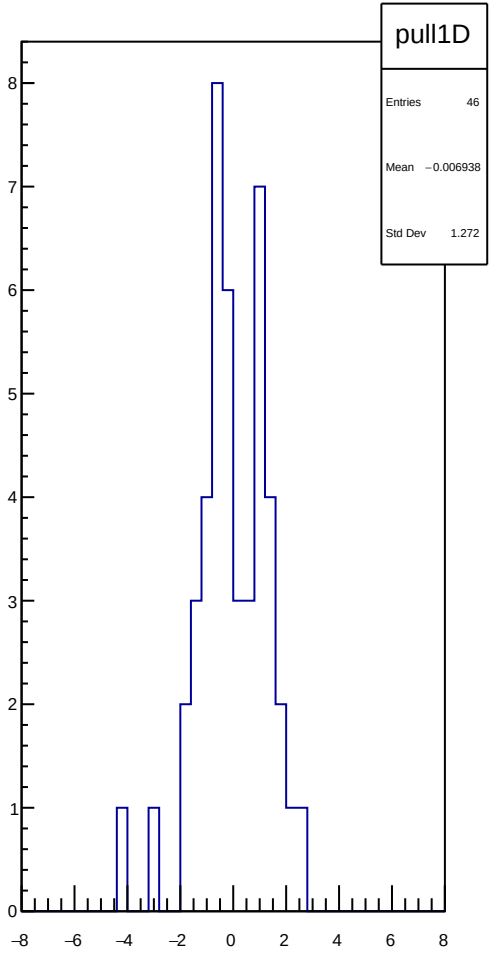

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.79 / 45
p0 −9.439 ± 2.13
pull
Entries 46
Mean 539.2
Std Dev 499.7

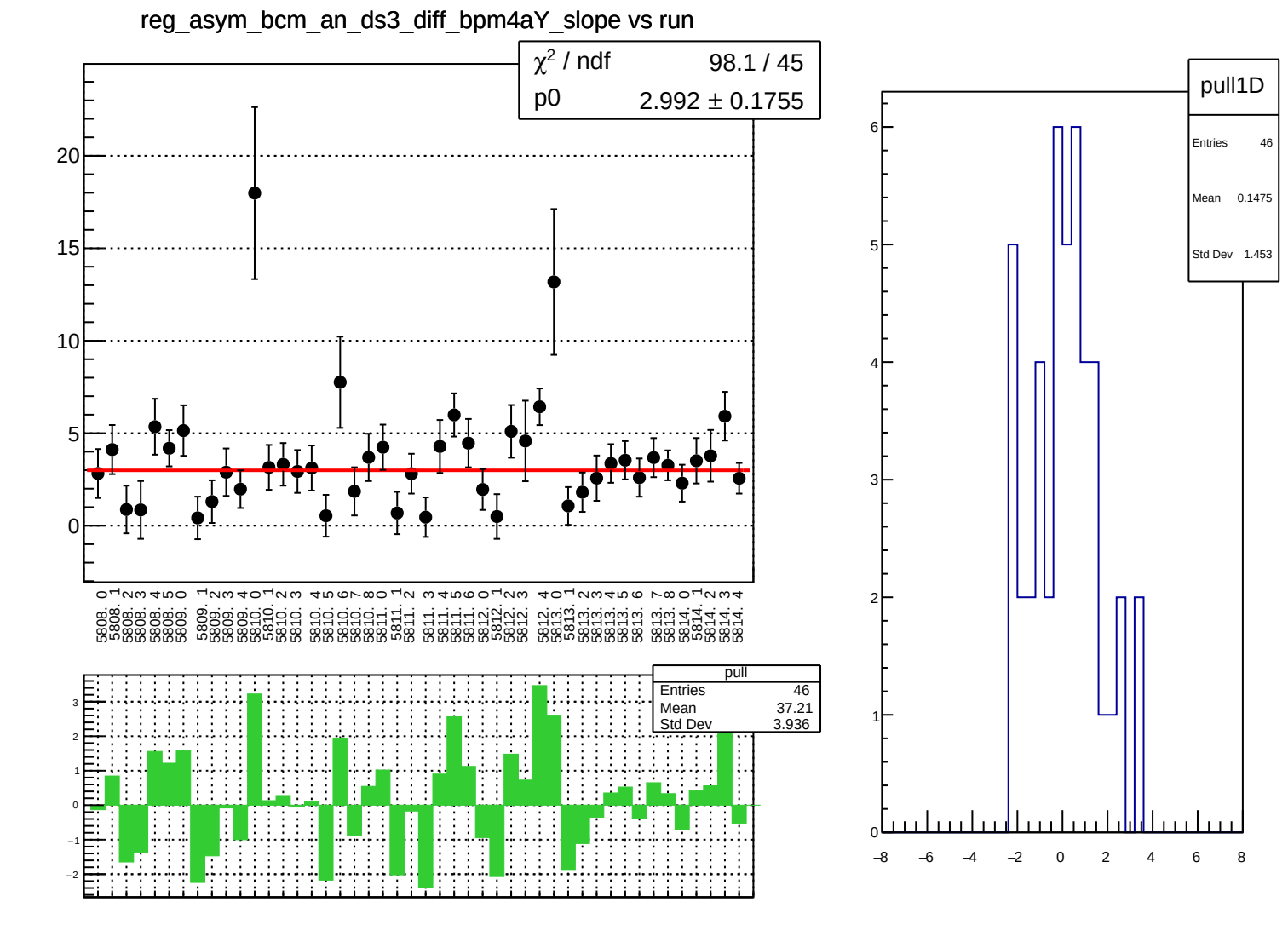

pull1D
Entries 46
Mean −0.001445
Std Dev 0.9644

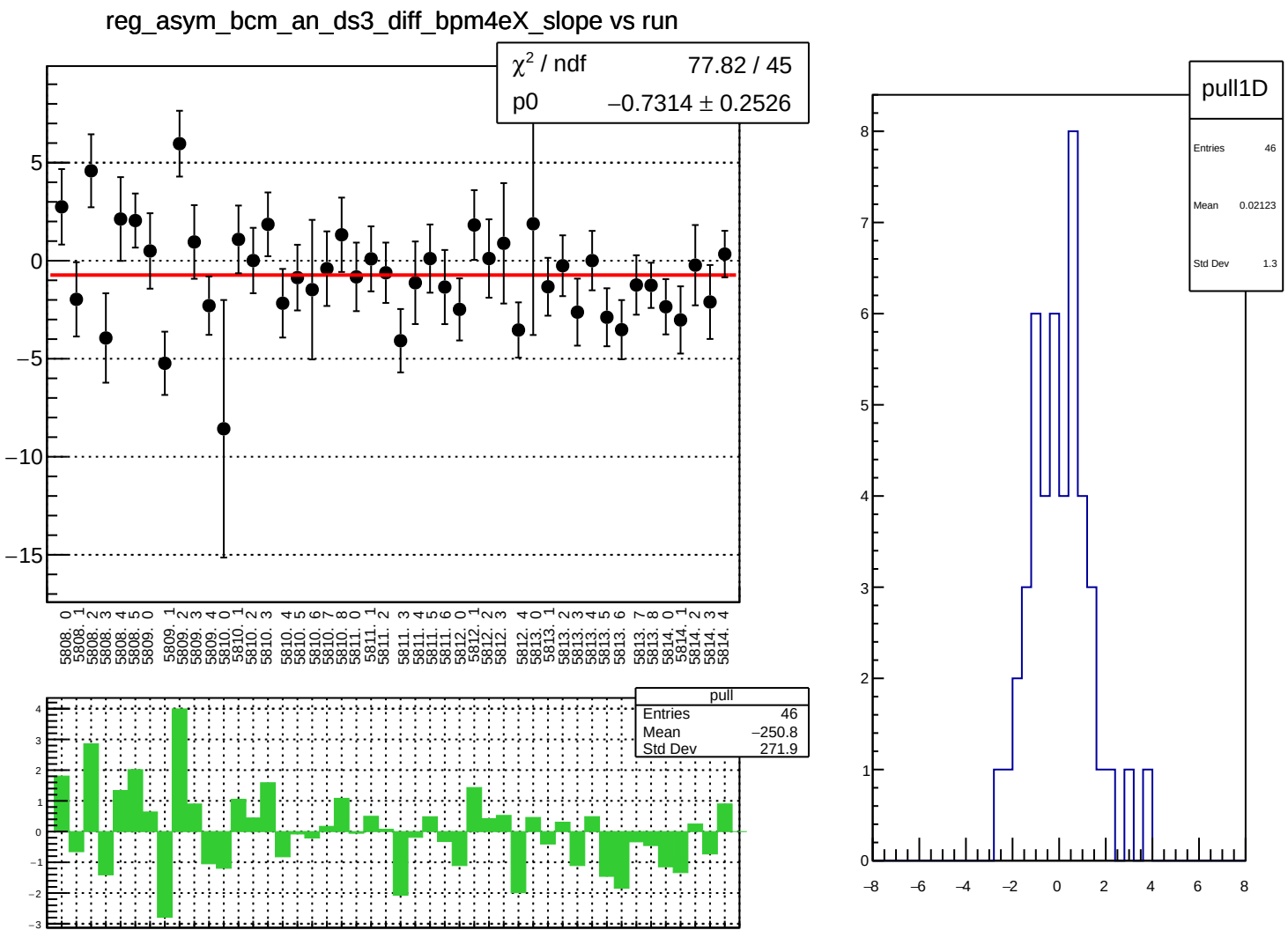

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 47.91 / 45
p0 8.667 ± 0.1269
pull
Entries 46
Mean 526.8
Std Dev 494.8

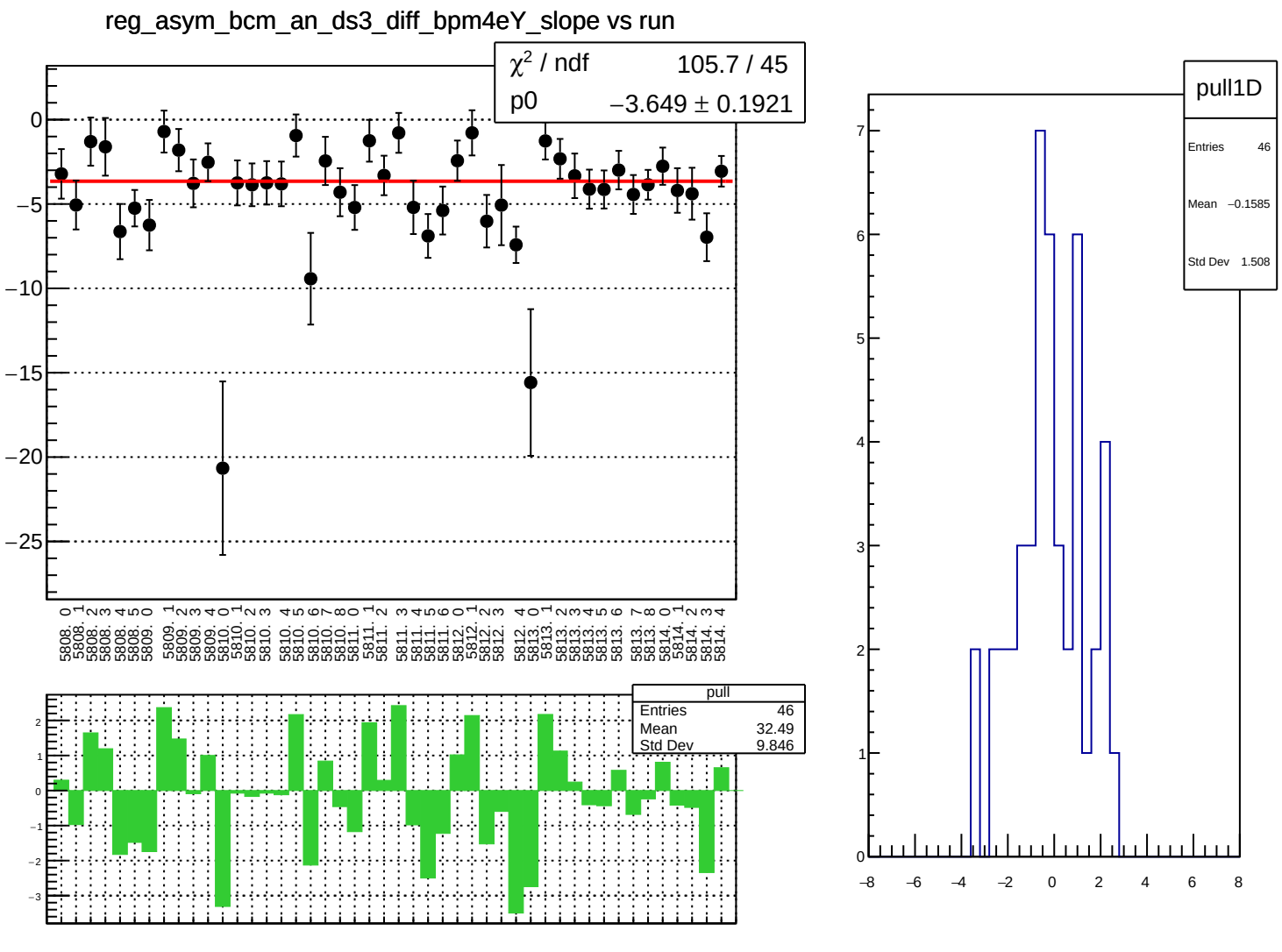

pull1D
Entries 46
Mean 0.003767
Std Dev 1.021

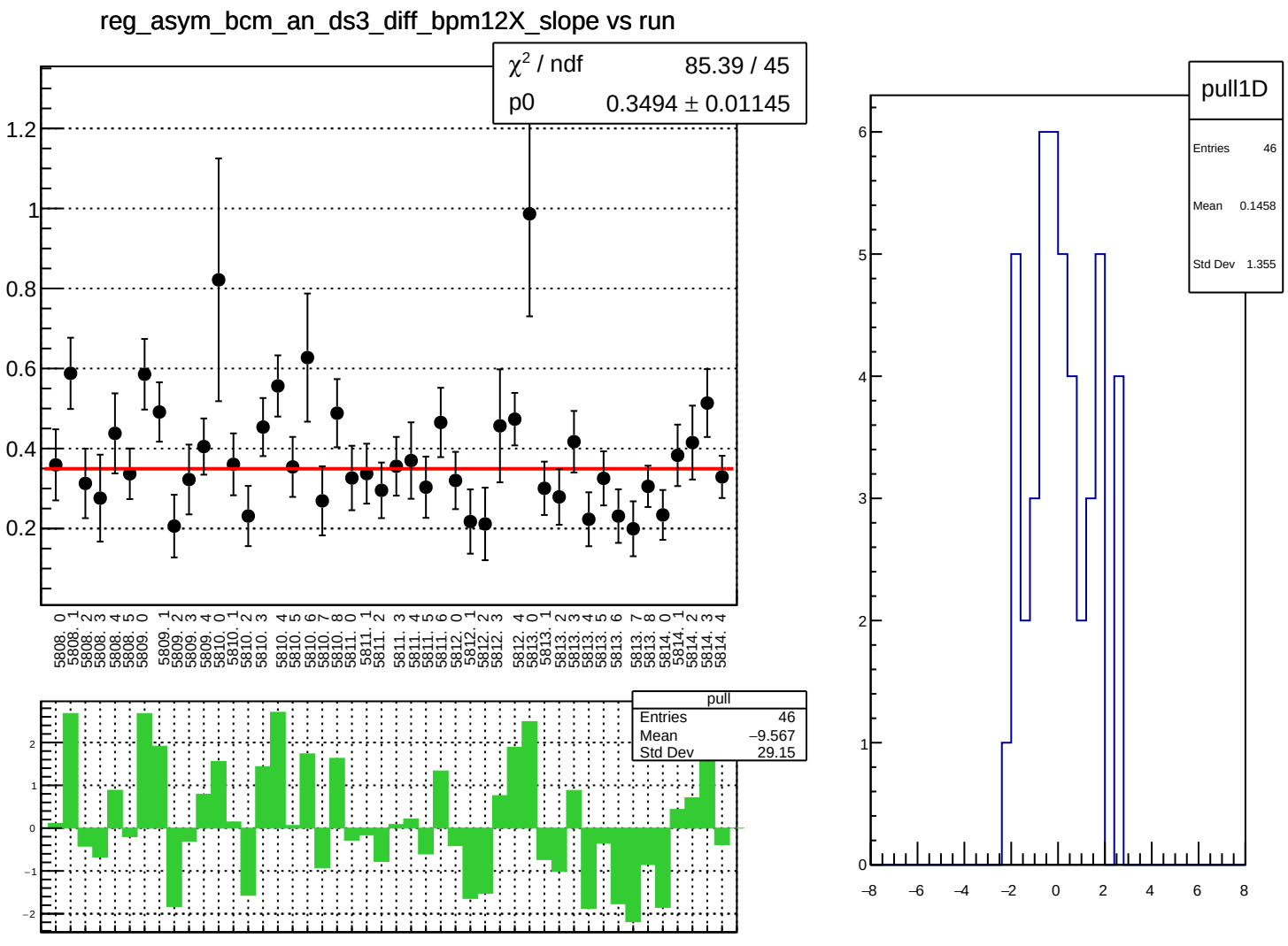

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 74.44 / 45
p0 1.275 ± 0.1987
pull
Entries 46
Mean −777.8
Std Dev 799.2

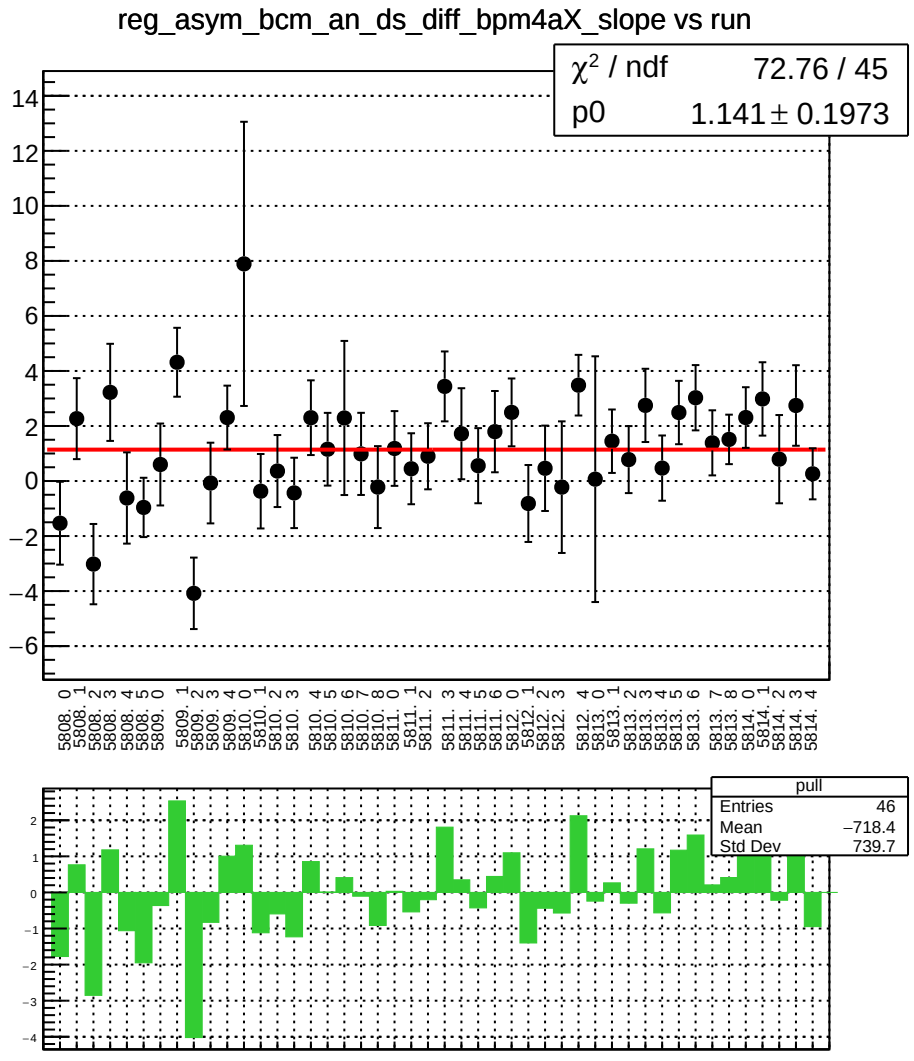

pull1D
Entries 46
Mean −0.006938
Std Dev 1.272

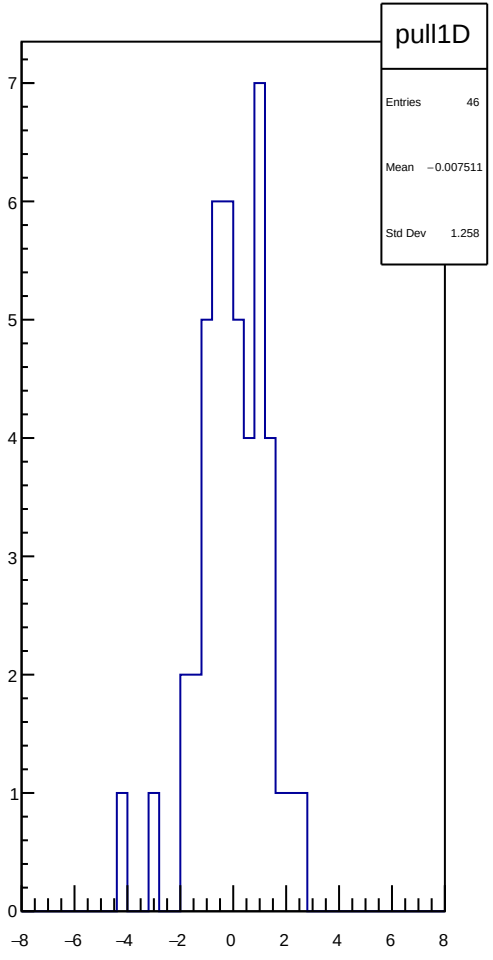

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 98.1 / 45
p0 2.992 ± 0.1755
pull
Entries 46
Mean 37.21
Std Dev 3.936
pull1D
Entries 46
Mean 0.1475
Std Dev 1.453

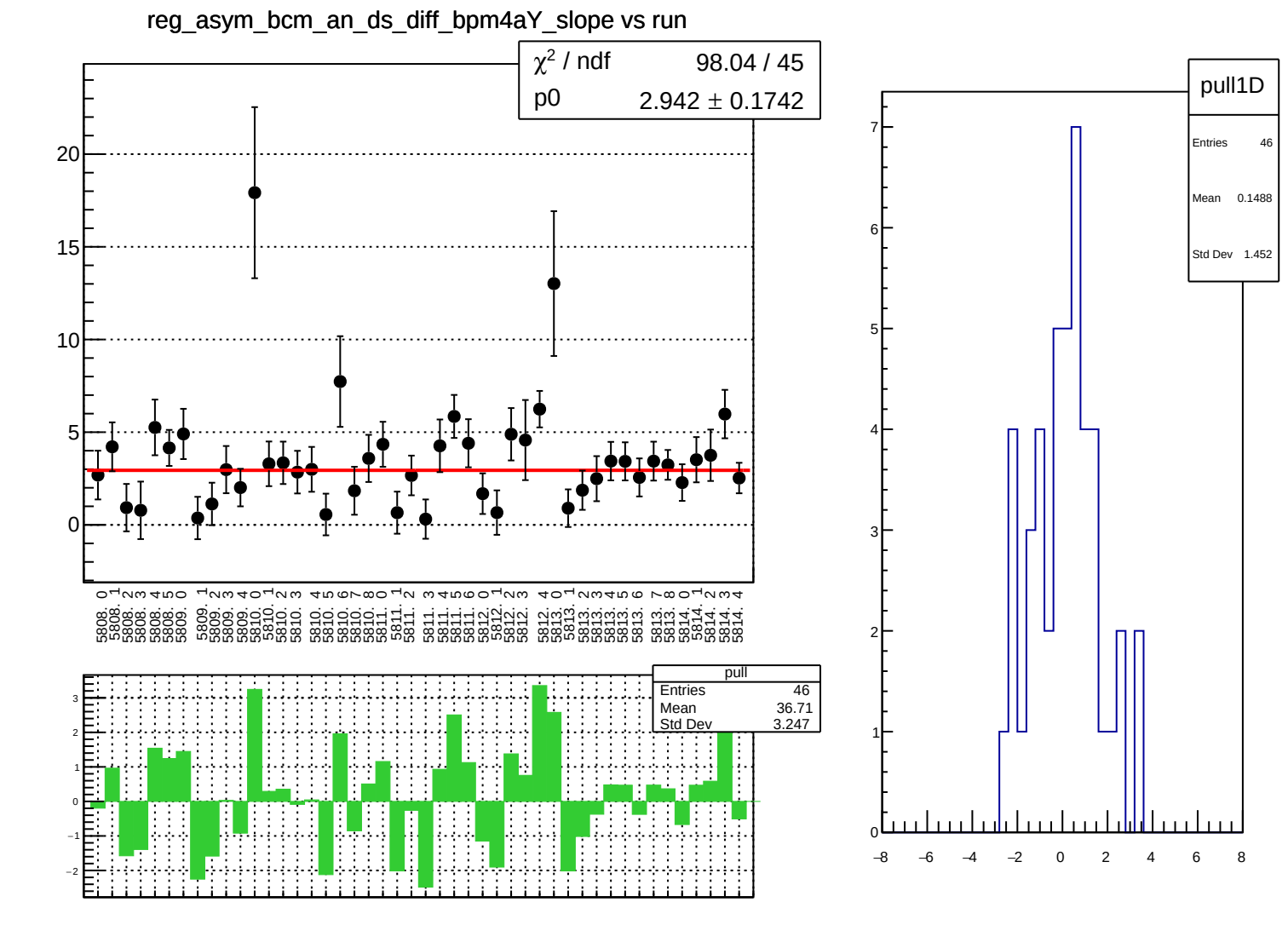

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 77.82 / 45
p0 −0.7314 ± 0.2526
pull
Entries 46
Mean −250.8
Std Dev 271.9
pull1D
Entries 46
Mean 0.02123
Std Dev 1.3

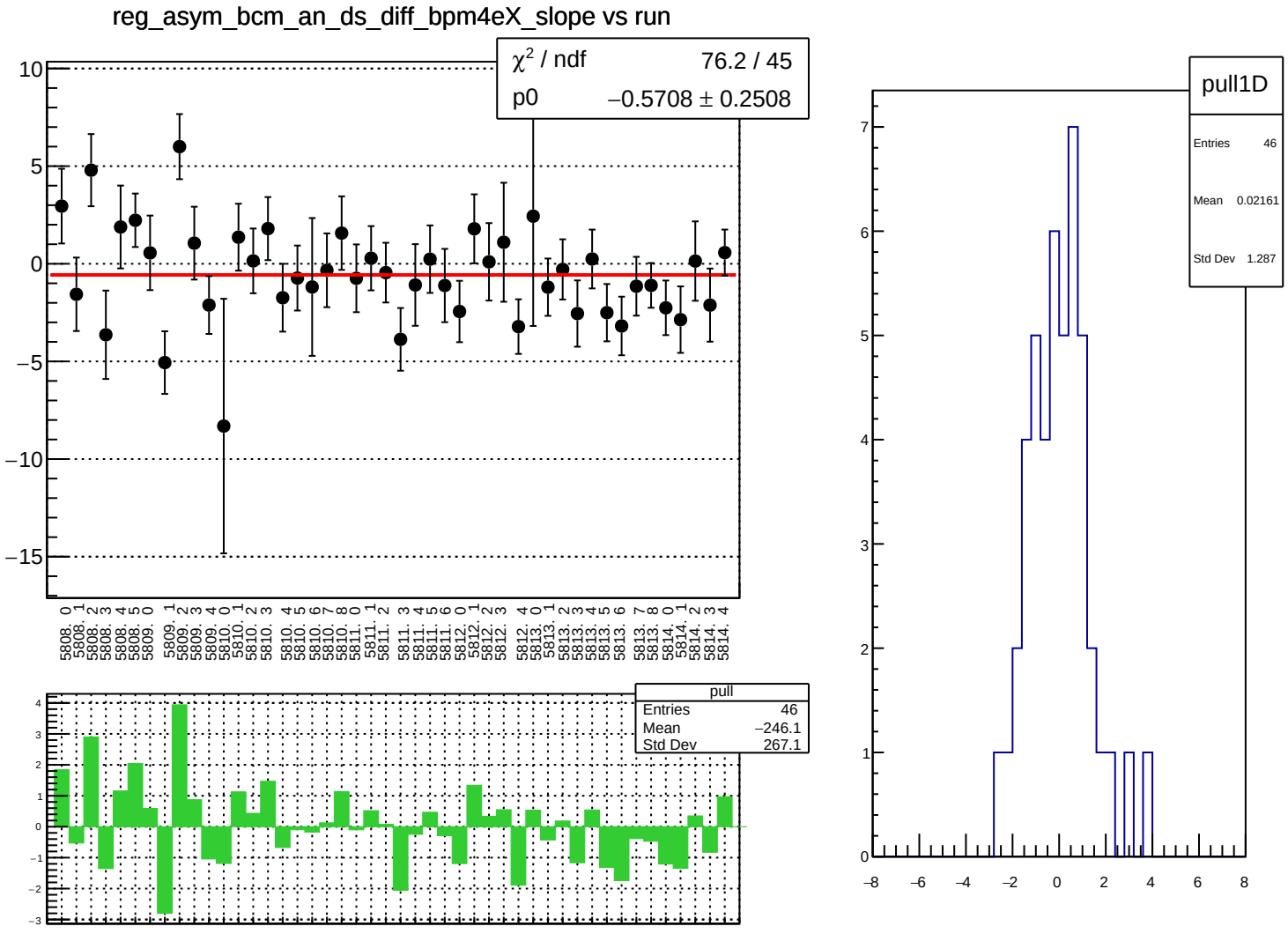

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 105.7 / 45
p0 −3.649 ± 0.1921
pull
Entries 46
Mean 32.49
Std Dev 9.846
pull1D
Entries 46
Mean −0.1585
Std Dev 1.508

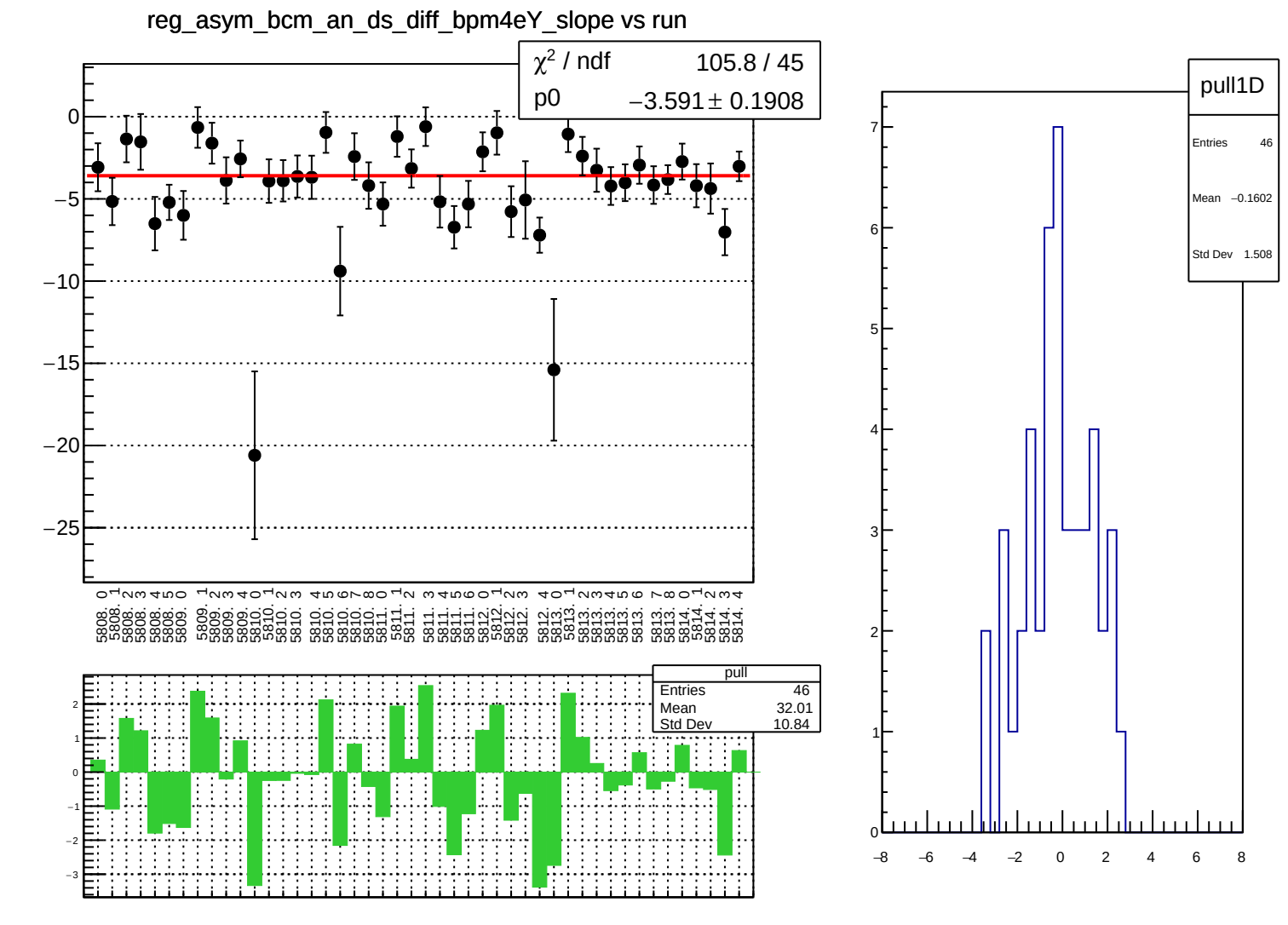

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 85.39 / 45
p0 0.3494 ± 0.01145
pull
Entries 46
Mean −9.567
Std Dev 29.15
pull1D
Entries 46
Mean 0.1458
Std Dev 1.355

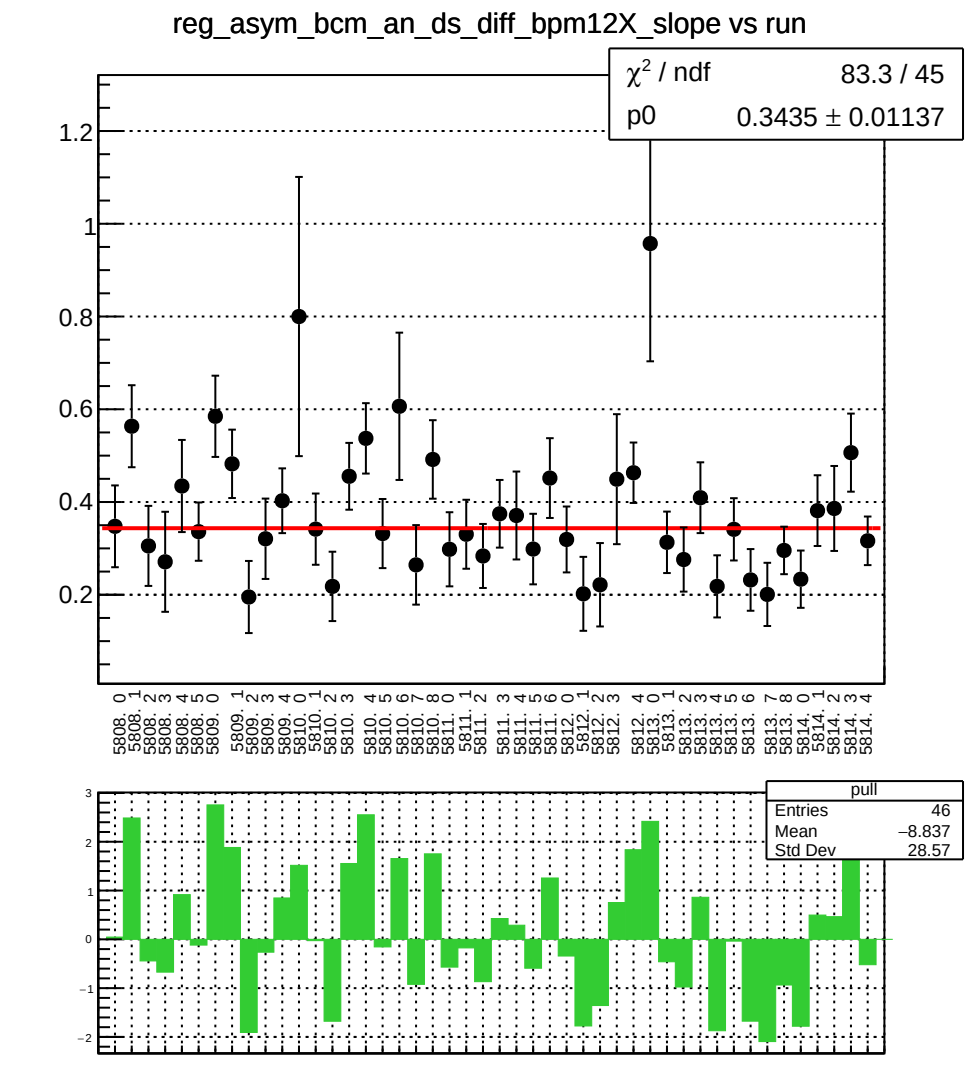

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 72.76 / 45
p0 1.141 ± 0.1973
pull
Entries 46
Mean −718.4
Std Dev 739.7

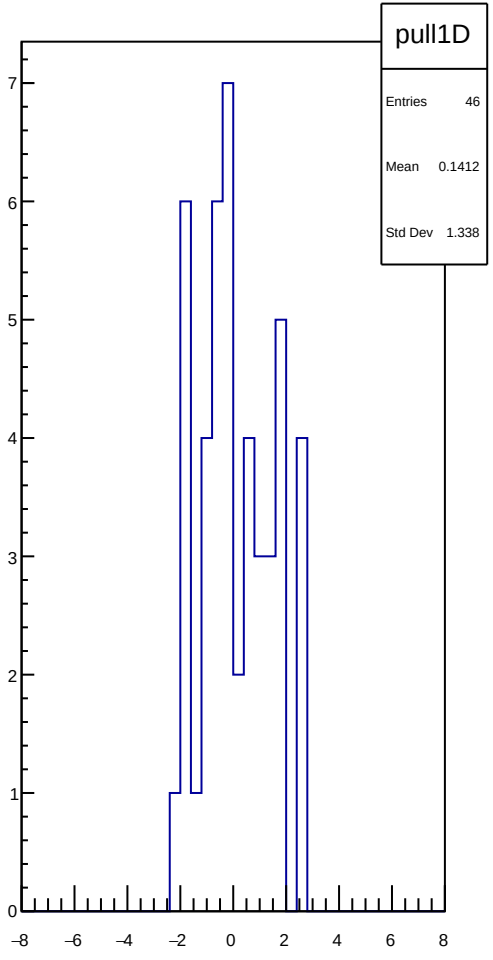

pull1D
Entries 46
Mean −0.007511
Std Dev 1.258

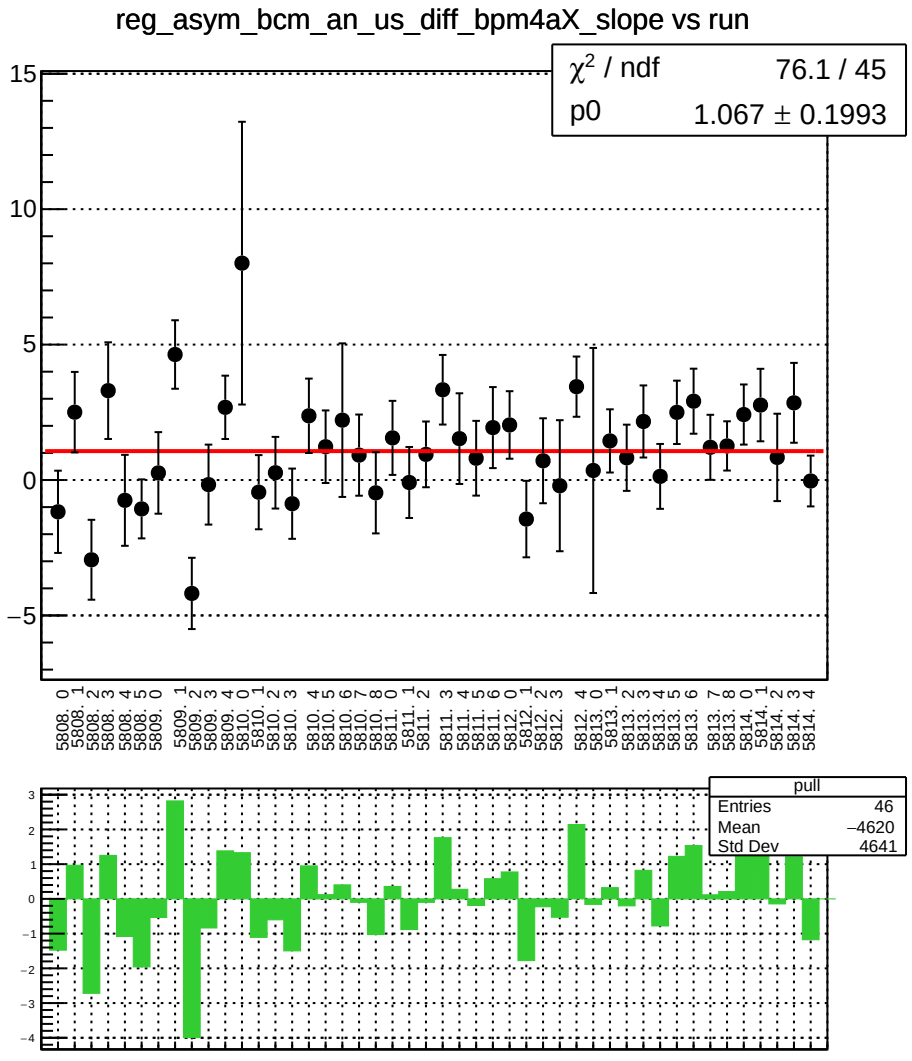

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 98.04 / 45
p0 2.942 ± 0.1742
pull
Entries 46
Mean 36.71
Std Dev 3.247
pull1D
Entries 46
Mean 0.1488
Std Dev 1.452

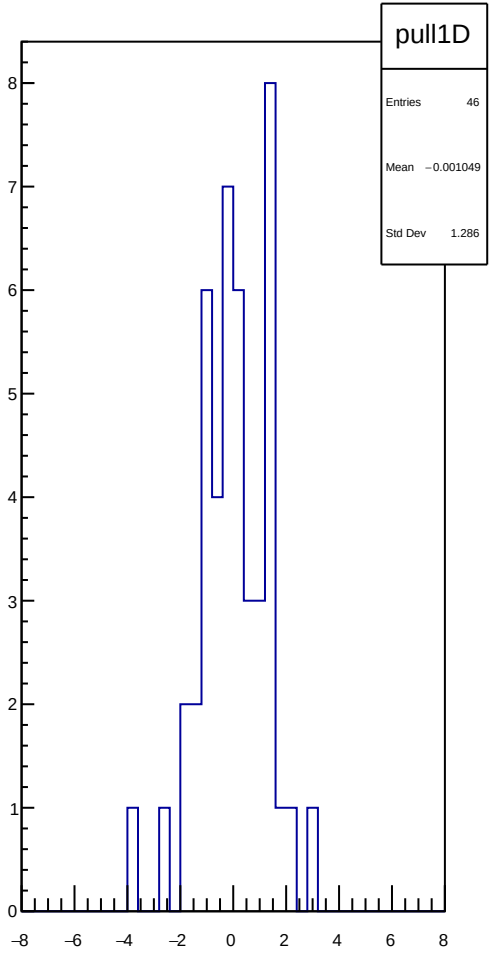

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 76.2 / 45
p0 −0.5708 ± 0.2508
pull
Entries 46
Mean −246.1
Std Dev 267.1
pull1D
Entries 46
Mean 0.02161
Std Dev 1.287

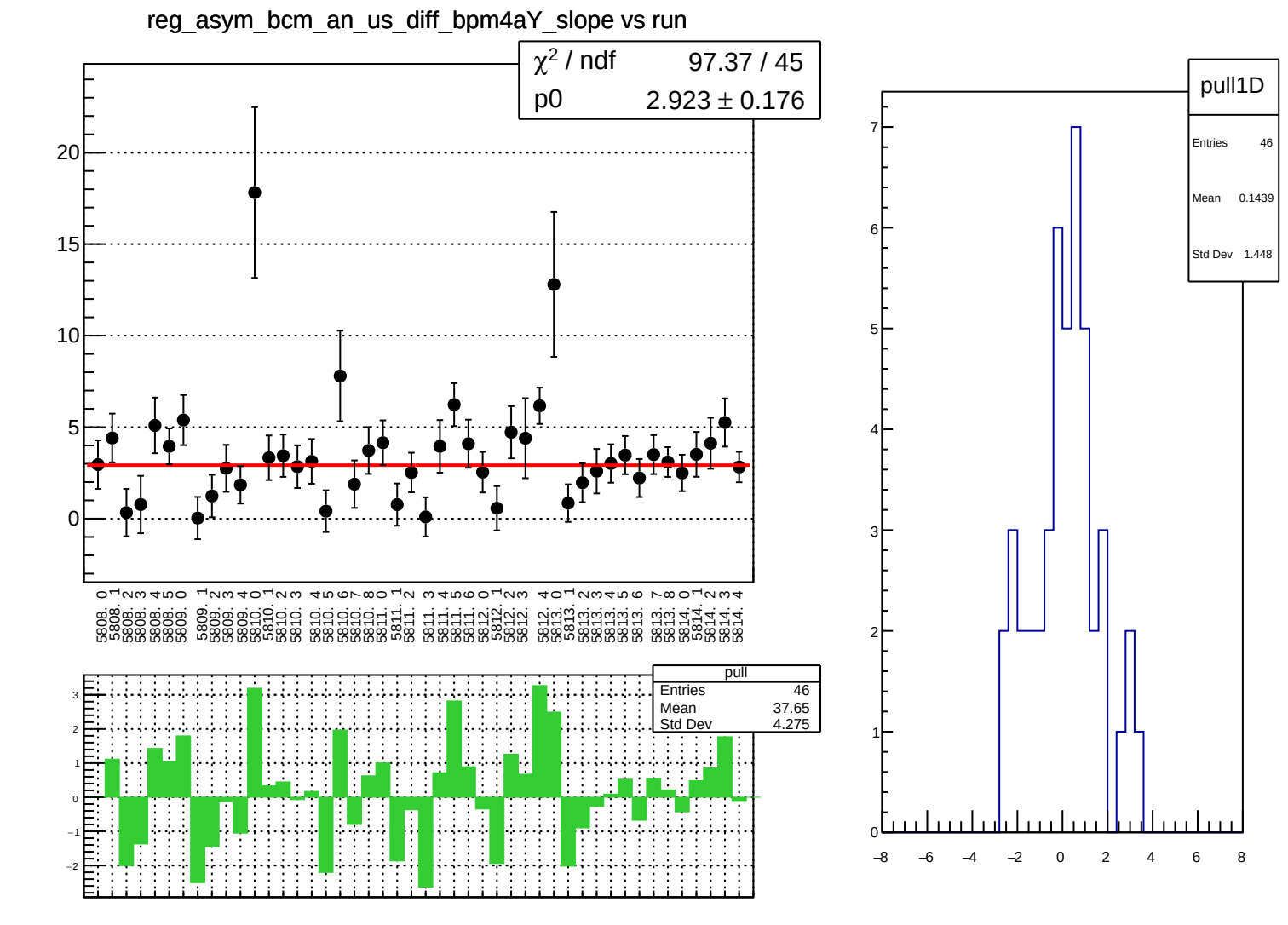

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 105.8 / 45
p0 −3.591 ± 0.1908
pull
Entries 46
Mean 32.01
Std Dev 10.84
pull1D
Entries 46
Mean −0.1602
Std Dev 1.508

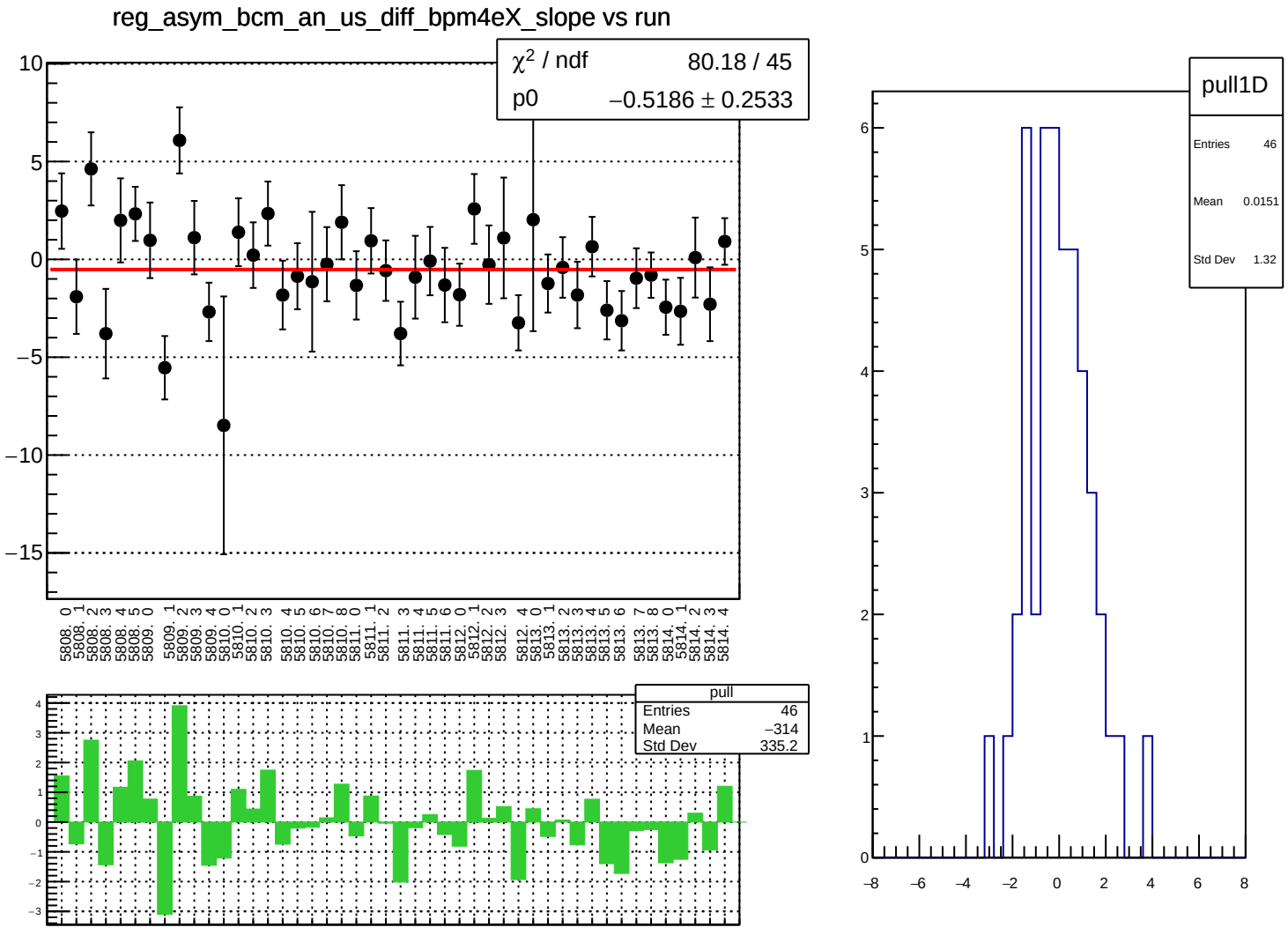

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 83.3 / 45
p0 0.3435 ± 0.01137
pull
Entries 46
Mean −8.837
Std Dev 28.57

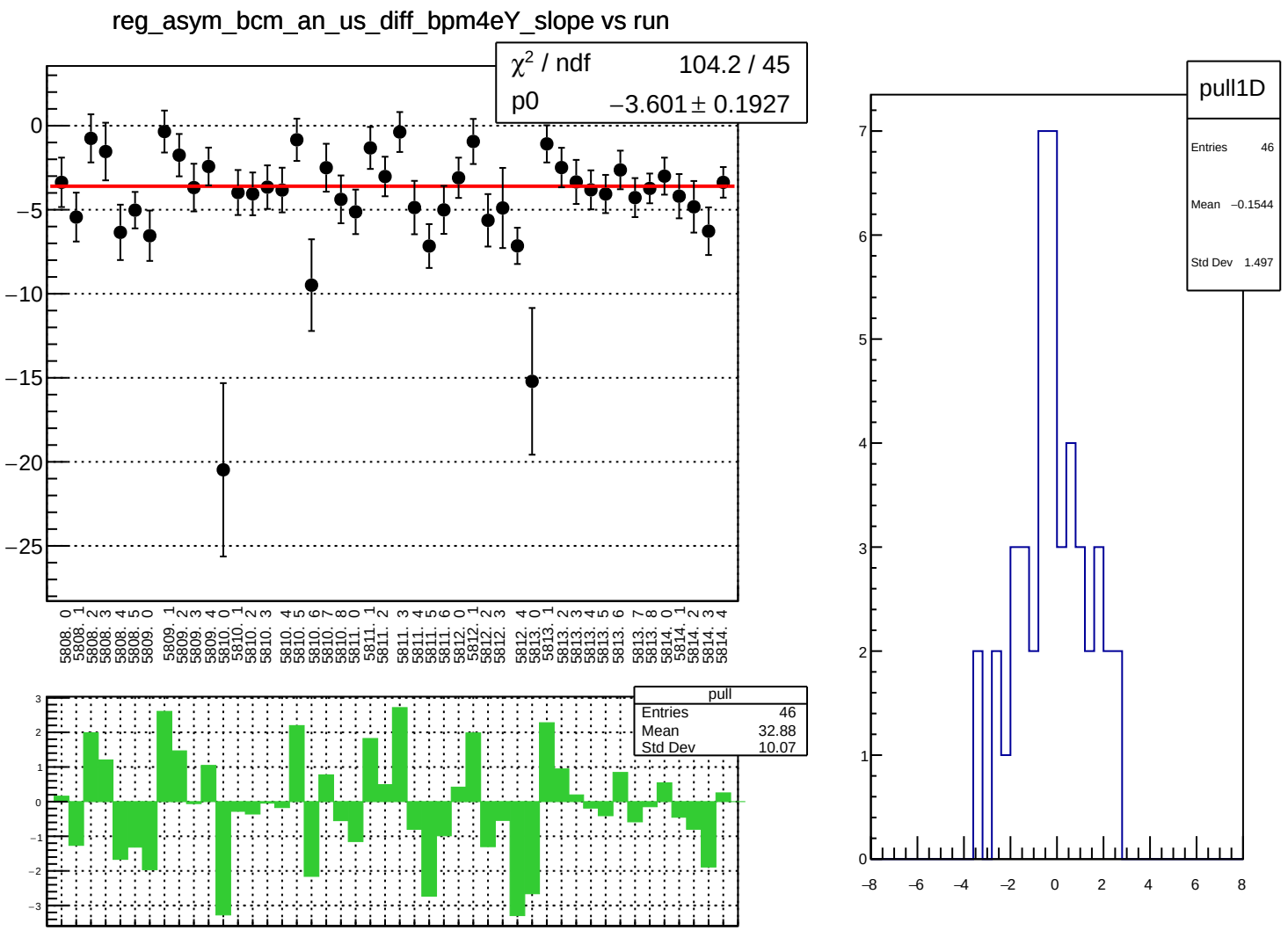

pull1D
Entries 46
Mean 0.1412
Std Dev 1.338

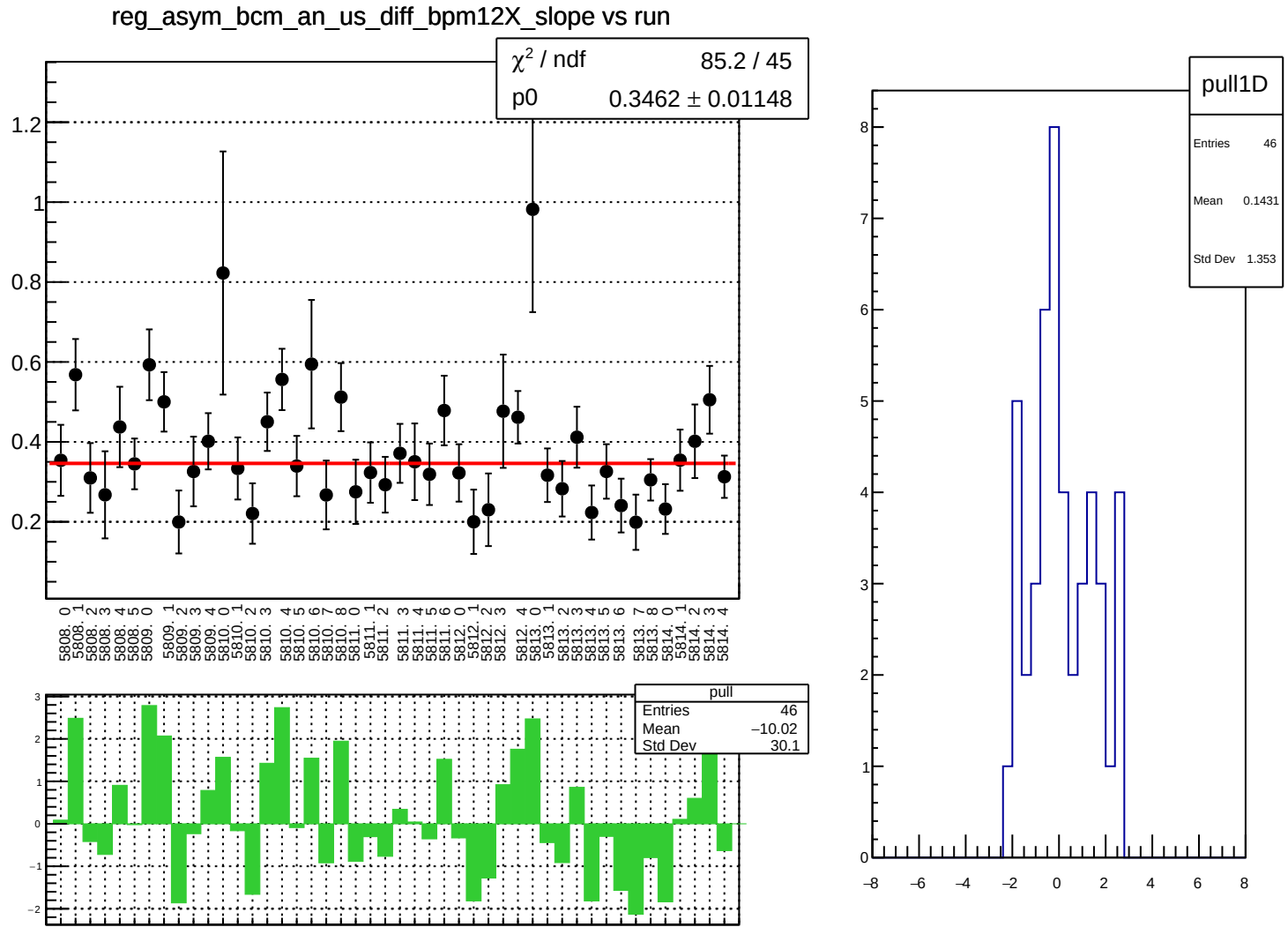

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 76.1 / 45
p0 1.067 ± 0.1993
pull
Entries 46
Mean −4620
Std Dev 4641

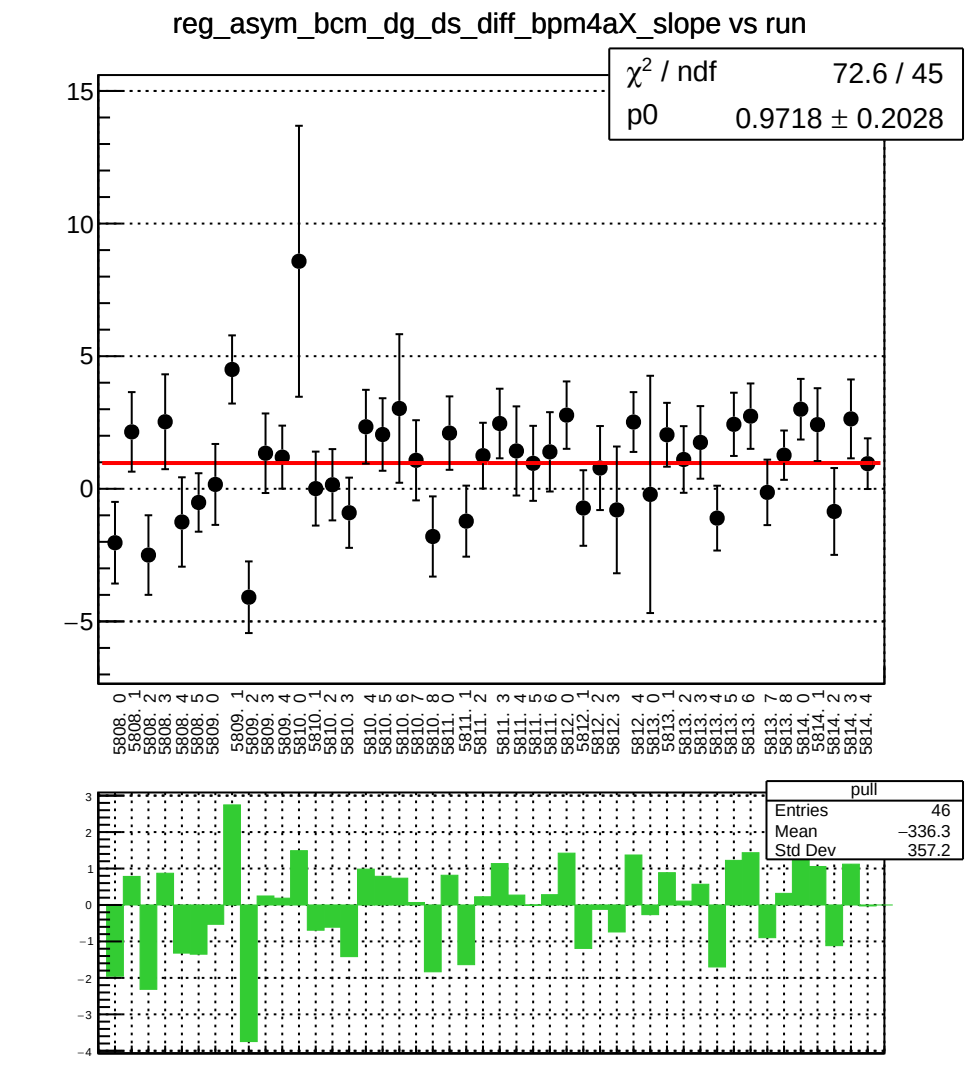

pull1D
Entries 46
Mean −0.001049
Std Dev 1.286

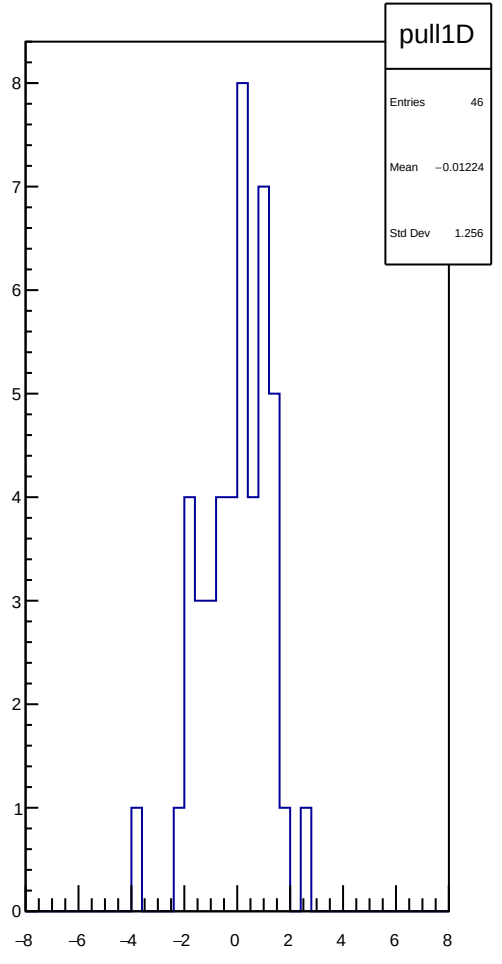

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 97.37 / 45
p0 2.923 ± 0.176
pull
Entries 46
Mean 37.65
Std Dev 4.275
pull1D
Entries 46
Mean 0.1439
Std Dev 1.448

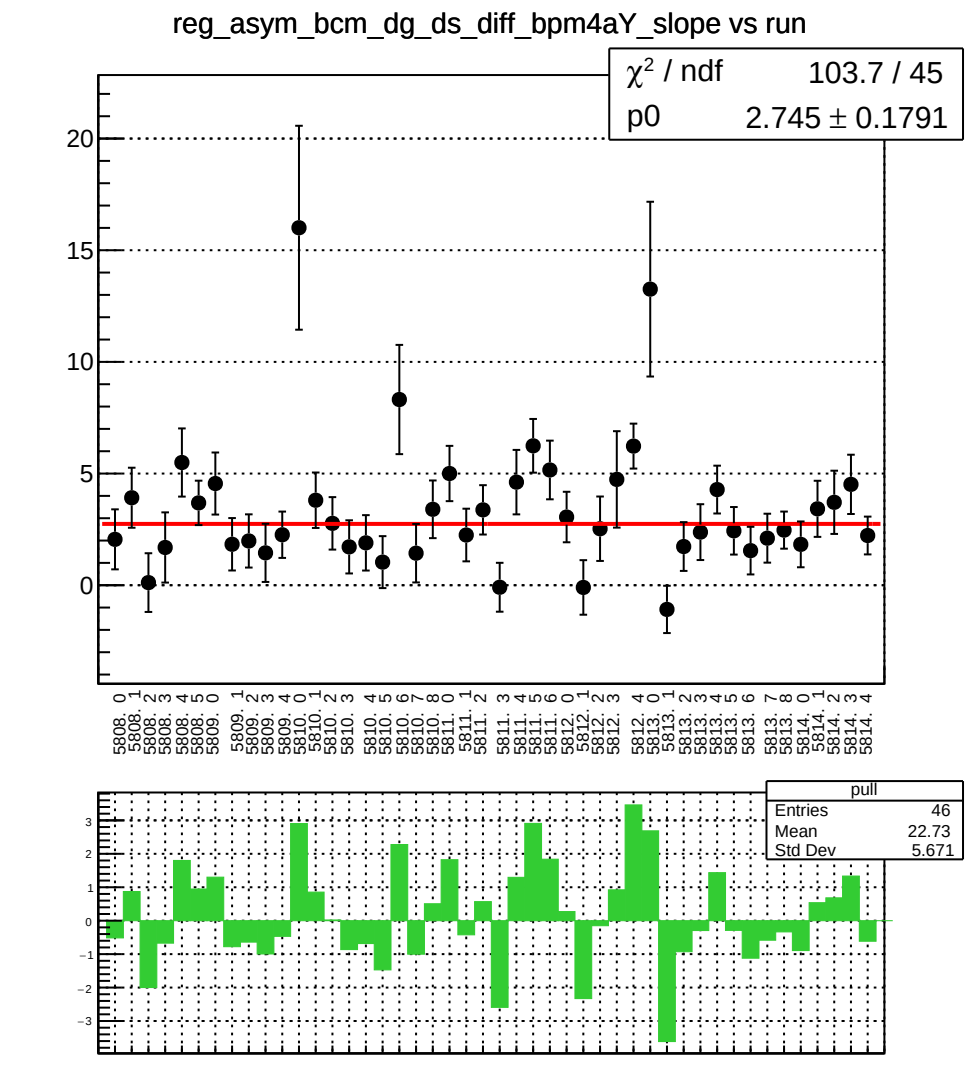

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 80.18 / 45
p0 −0.5186 ± 0.2533
pull
Entries 46
Mean −314
Std Dev 335.2
pull1D
Entries 46
Mean 0.0151
Std Dev 1.32

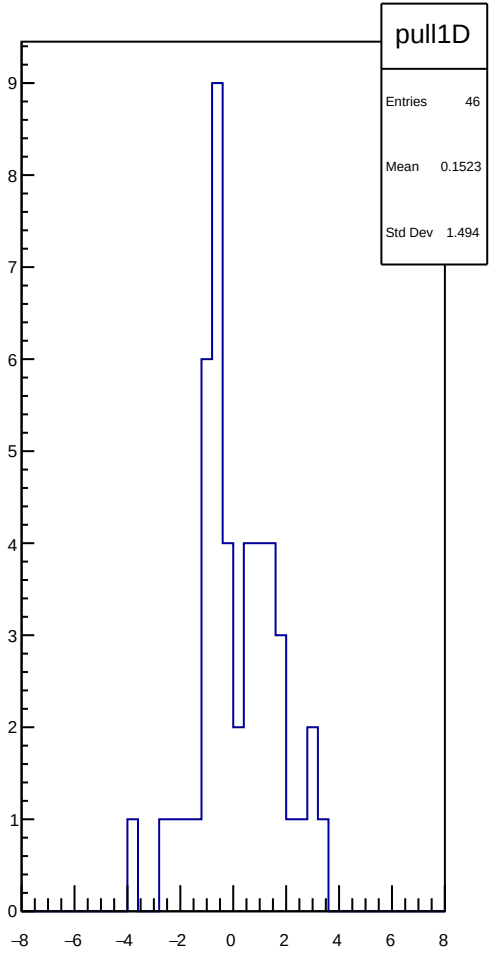

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 104.2 / 45
p0 −3.601 ± 0.1927
pull
Entries 46
Mean 32.88
Std Dev 10.07
pull1D
Entries 46
Mean −0.1544
Std Dev 1.497

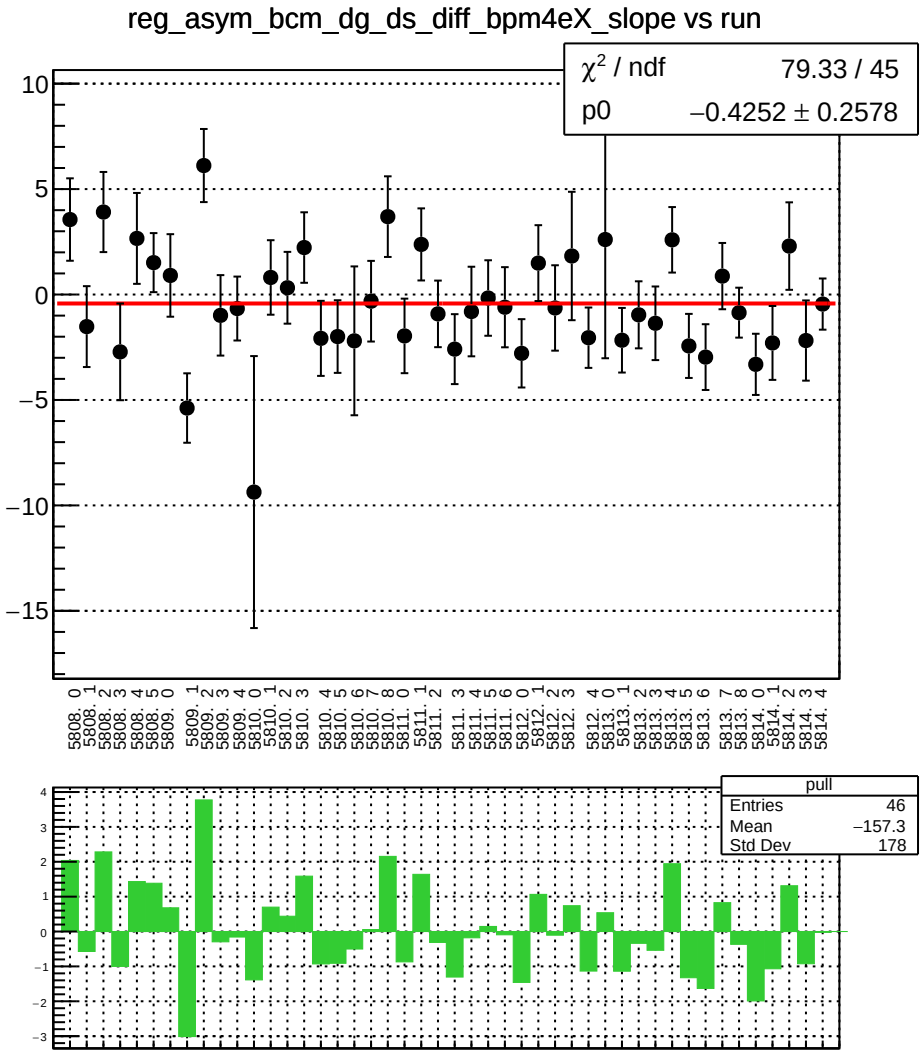

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 85.2 / 45
p0 0.3462 ± 0.01148
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −10.02
Std Dev 30.1
3
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.1431
Std Dev 1.353
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

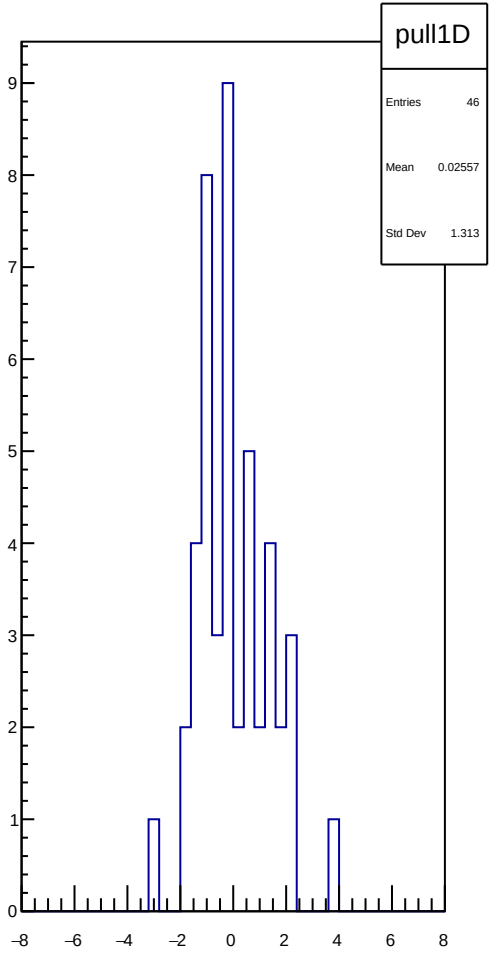

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 72.6 / 45
p0 0.9718 ± 0.2028
pull
Entries 46
Mean −336.3
Std Dev 357.2

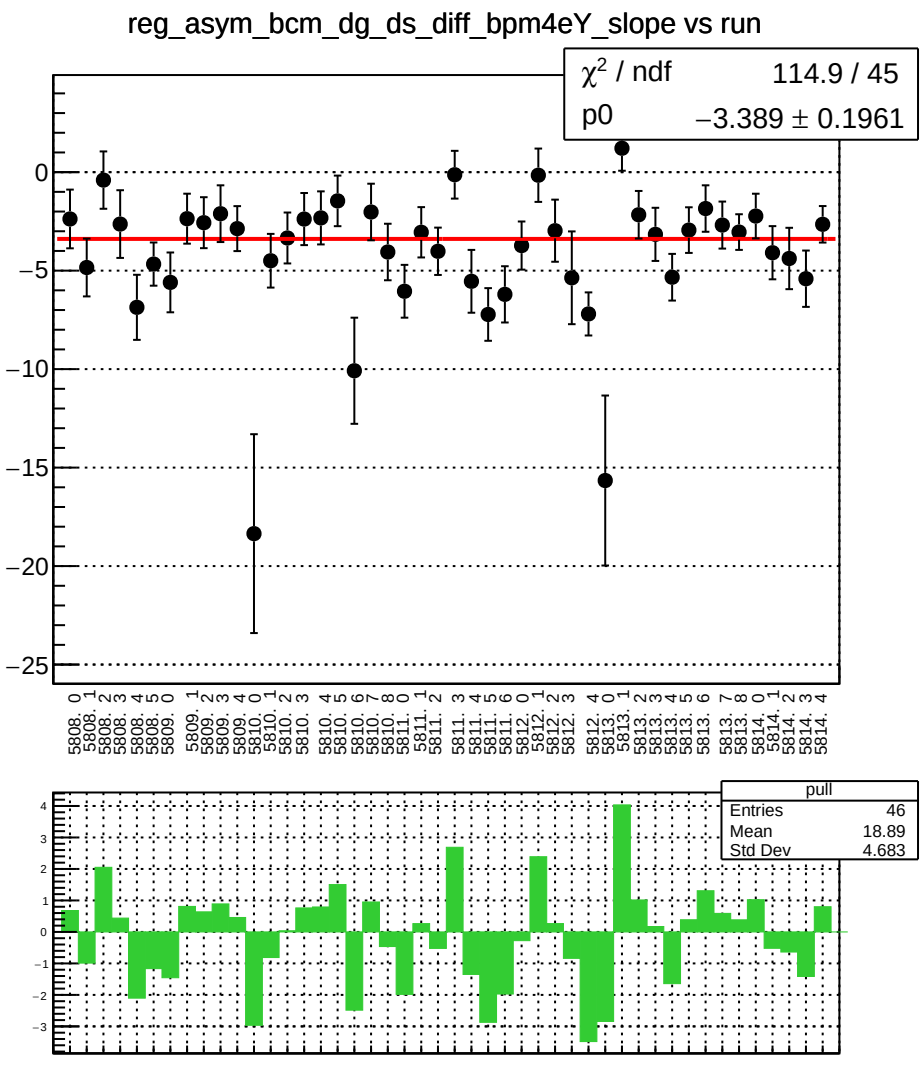

pull1D
Entries 46
Mean −0.01224
Std Dev 1.256

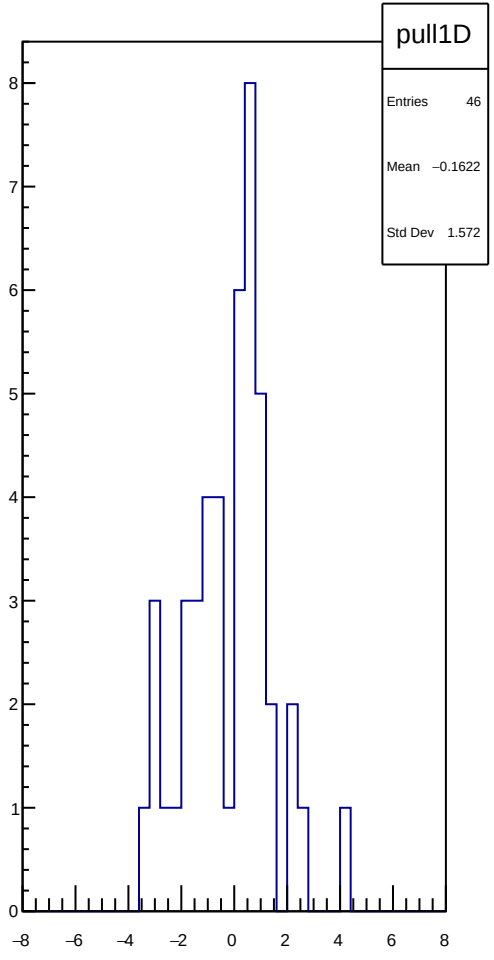

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 103.7 / 45
p0 2.745 ± 0.1791
pull
Entries 46
Mean 22.73
Std Dev 5.671

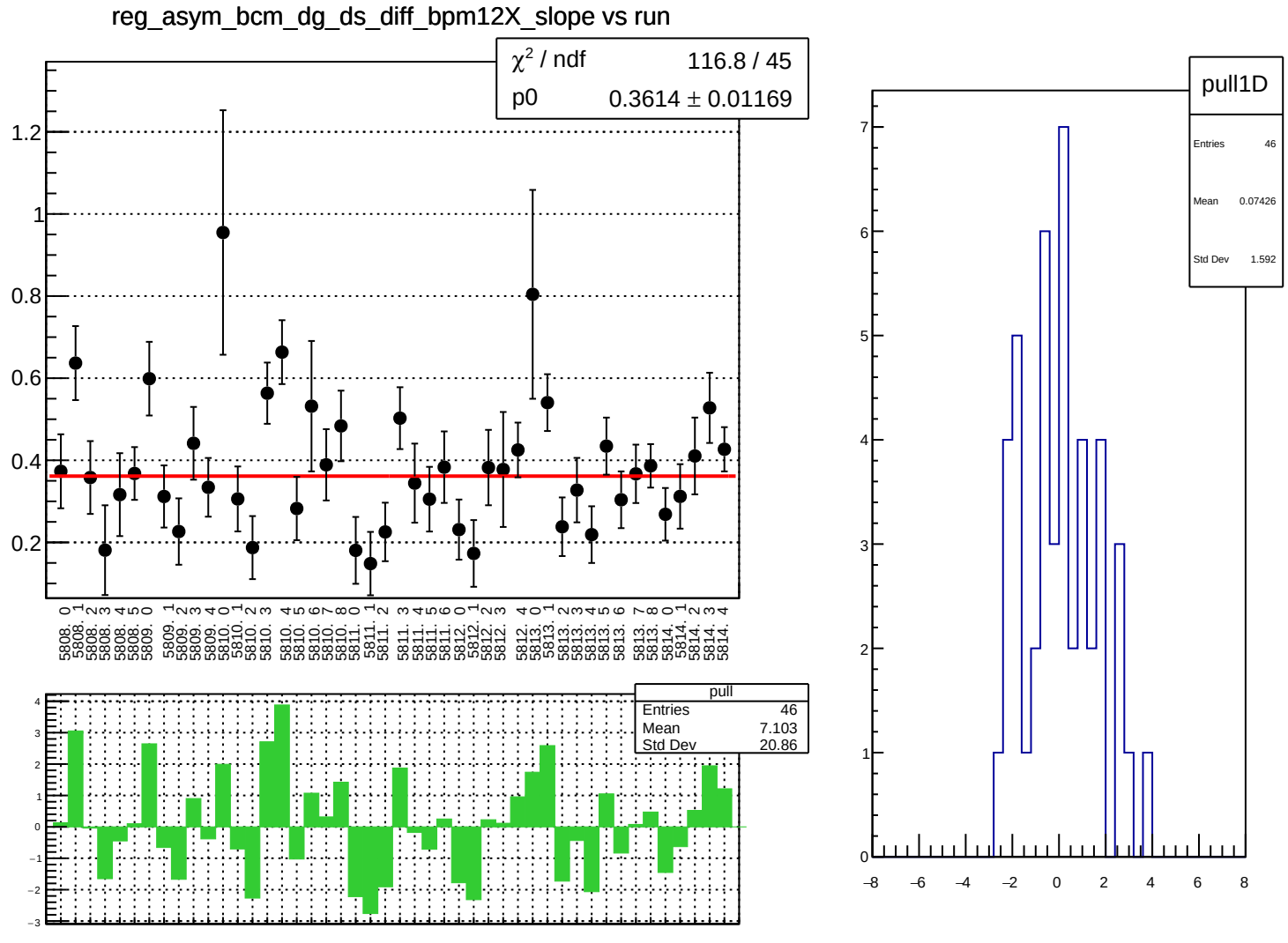

pull1D
Entries 46
Mean 0.1523
Std Dev 1.494

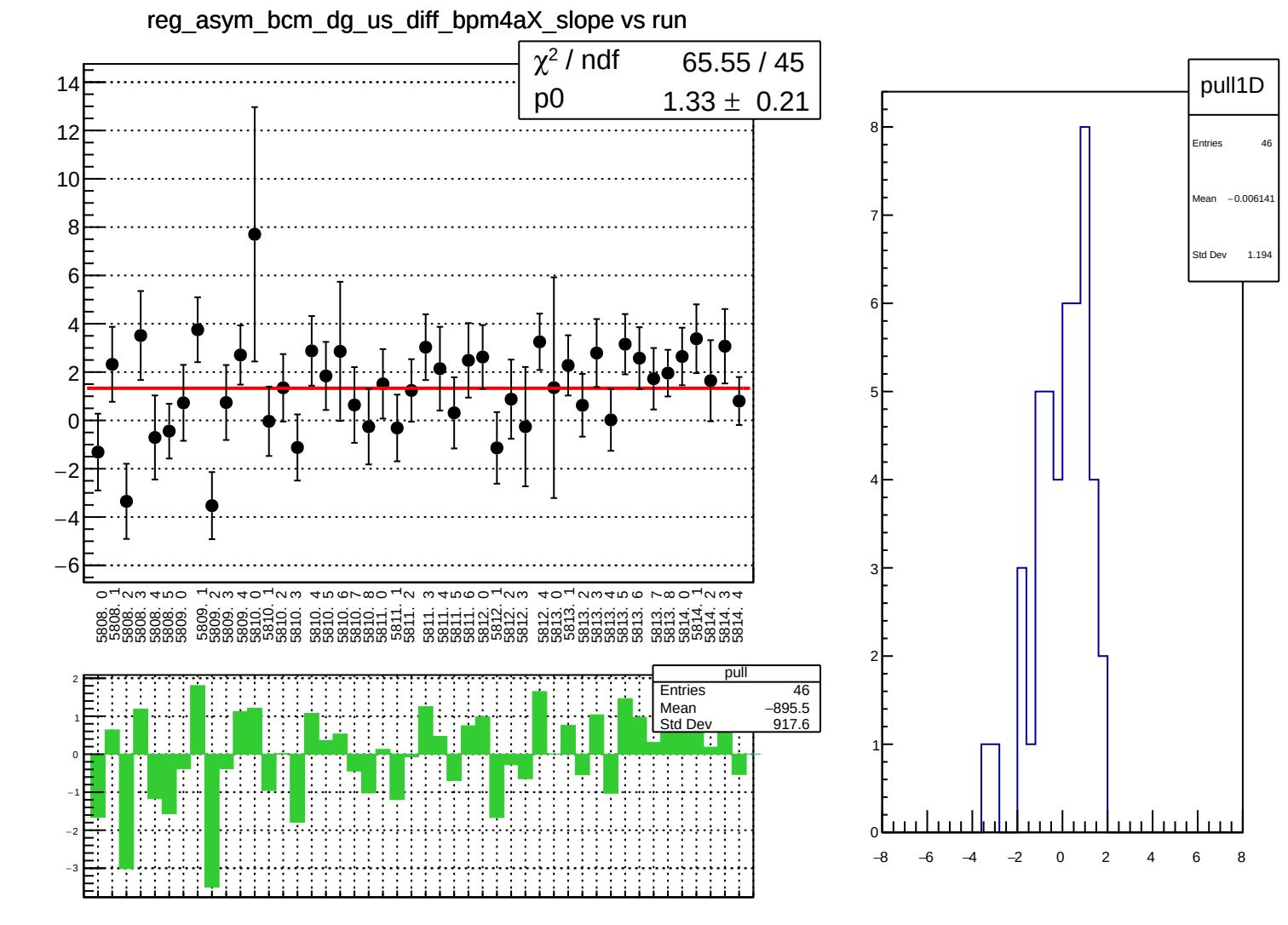

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 79.33 / 45
p0 −0.4252 ± 0.2578
pull
Entries 46
Mean −157.3
Std Dev 178

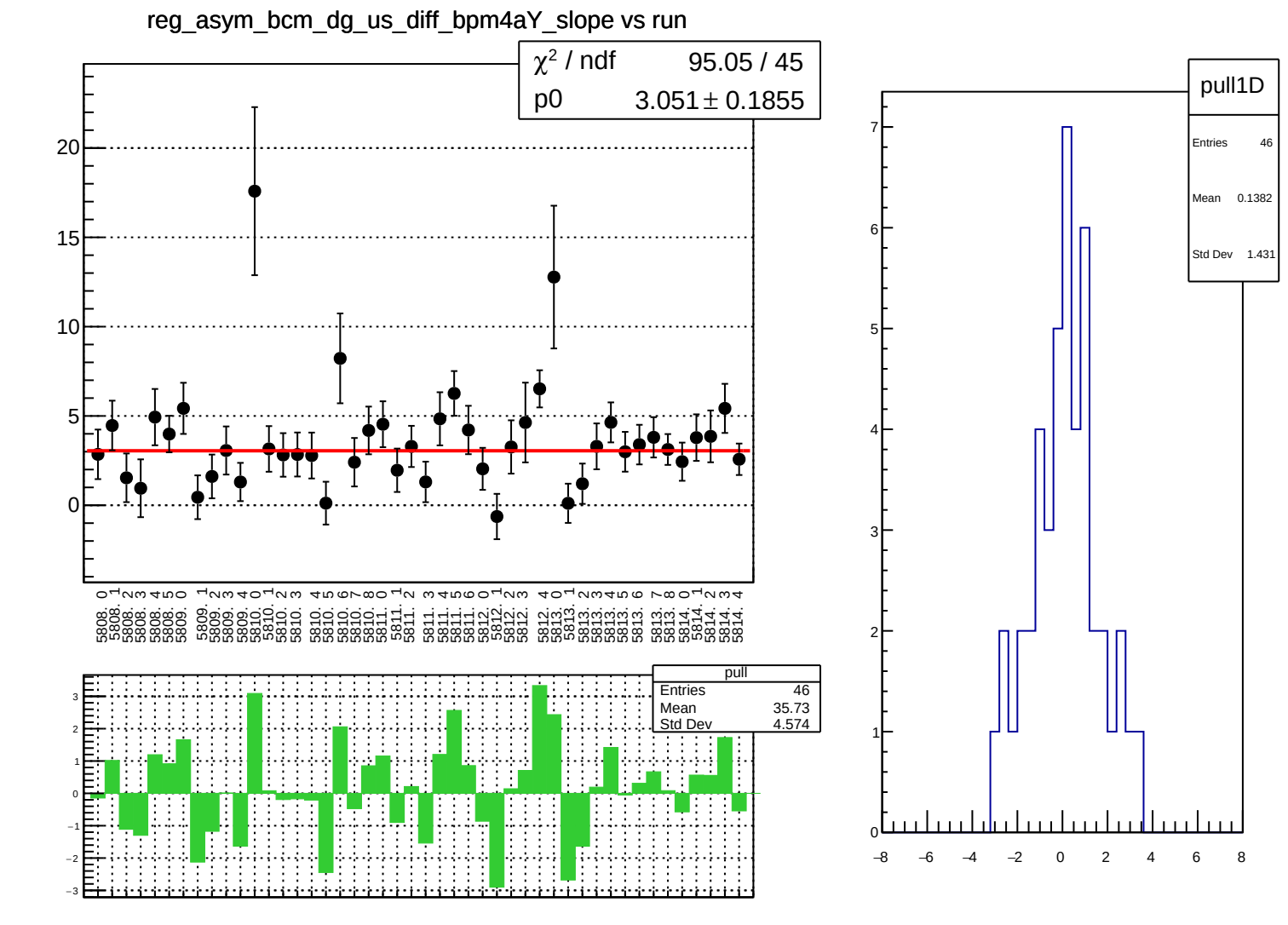

pull1D
Entries 46
Mean 0.02557
Std Dev 1.313

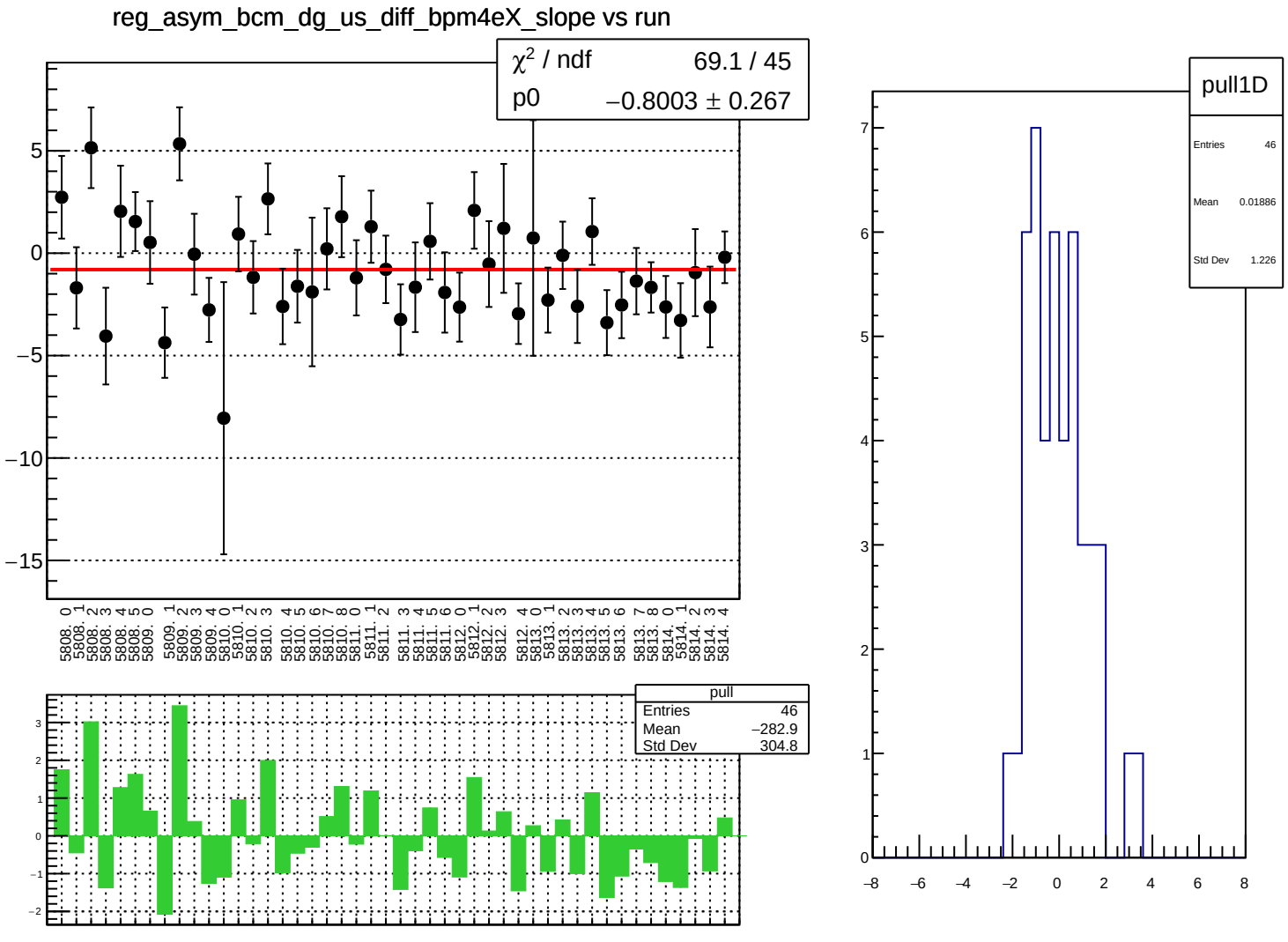

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 114.9 / 45
p0 −3.389 ± 0.1961
pull
Entries 46
Mean 18.89
Std Dev 4.683

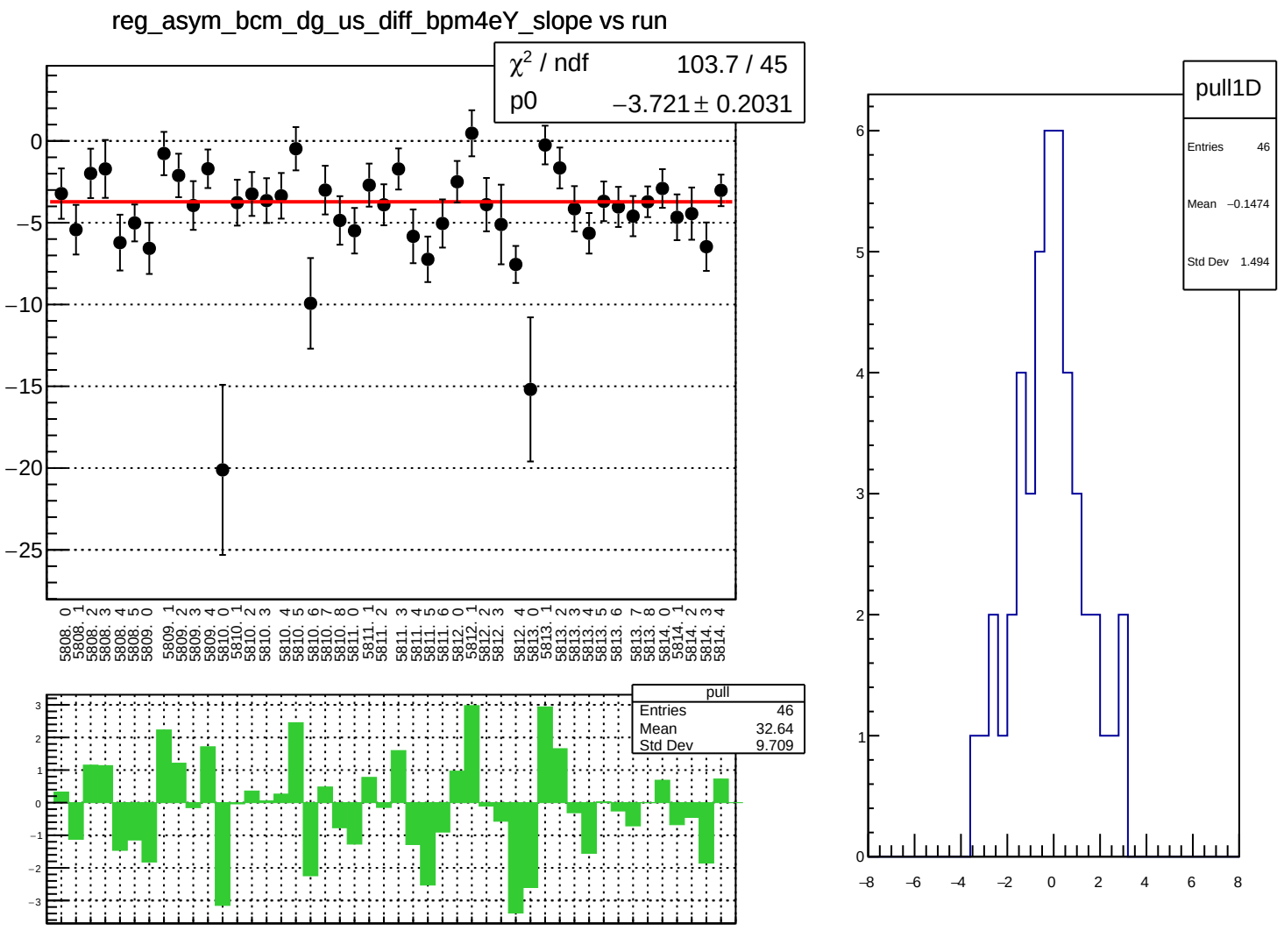

pull1D
Entries 46
Mean −0.1622
Std Dev 1.572

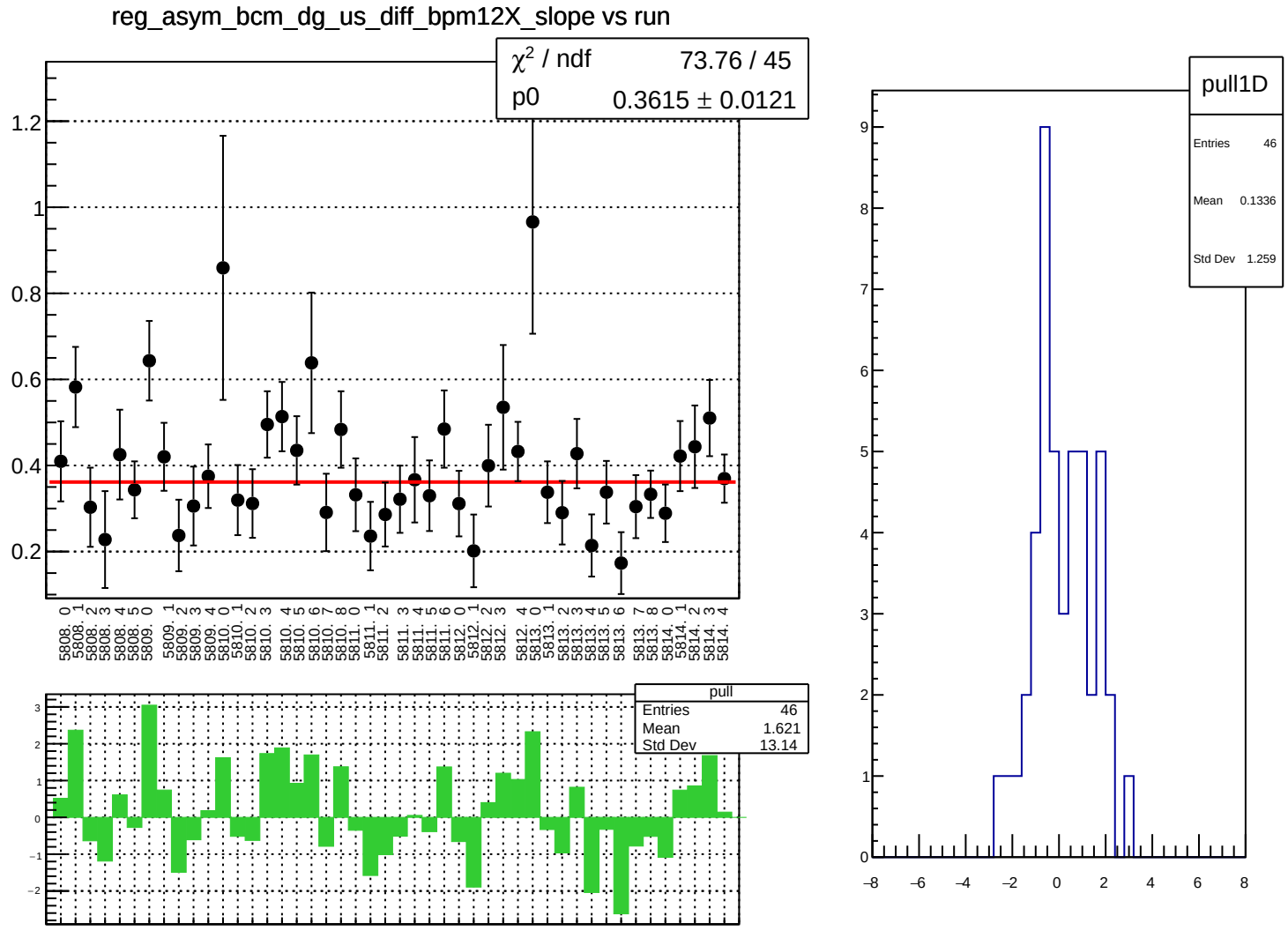

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 116.8 / 45
p0 0.3614 ± 0.01169
pull
Entries 46
Mean 7.103
Std Dev 20.86
pull1D
Entries 46
Mean 0.07426
Std Dev 1.592


reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 65.55 / 45
p0 1.33 ± 0.21
pull
Entries 46
Mean −895.5
Std Dev 917.6
pull1D
Entries 46
Mean −0.006141
Std Dev 1.194


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 95.05 / 45
p0 3.051 ± 0.1855
pull
Entries 46
Mean 35.73
Std Dev 4.574
pull1D
Entries 46
Mean 0.1382
Std Dev 1.431


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 69.1 / 45
p0 −0.8003 ± 0.267
pull
Entries 46
Mean −282.9
Std Dev 304.8
pull1D
Entries 46
Mean 0.01886
Std Dev 1.226


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 103.7 / 45
p0 −3.721 ± 0.2031
0
−5
−10
−15
−20
−25
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 32.64
Std Dev 9.709
pull1D
Entries 46
Mean −0.1474
Std Dev 1.494


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 73.76 / 45
p0 0.3615 ± 0.0121
pull
Entries 46
Mean 1.621
Std Dev 13.14
pull1D
Entries 46
Mean 0.1336
Std Dev 1.259