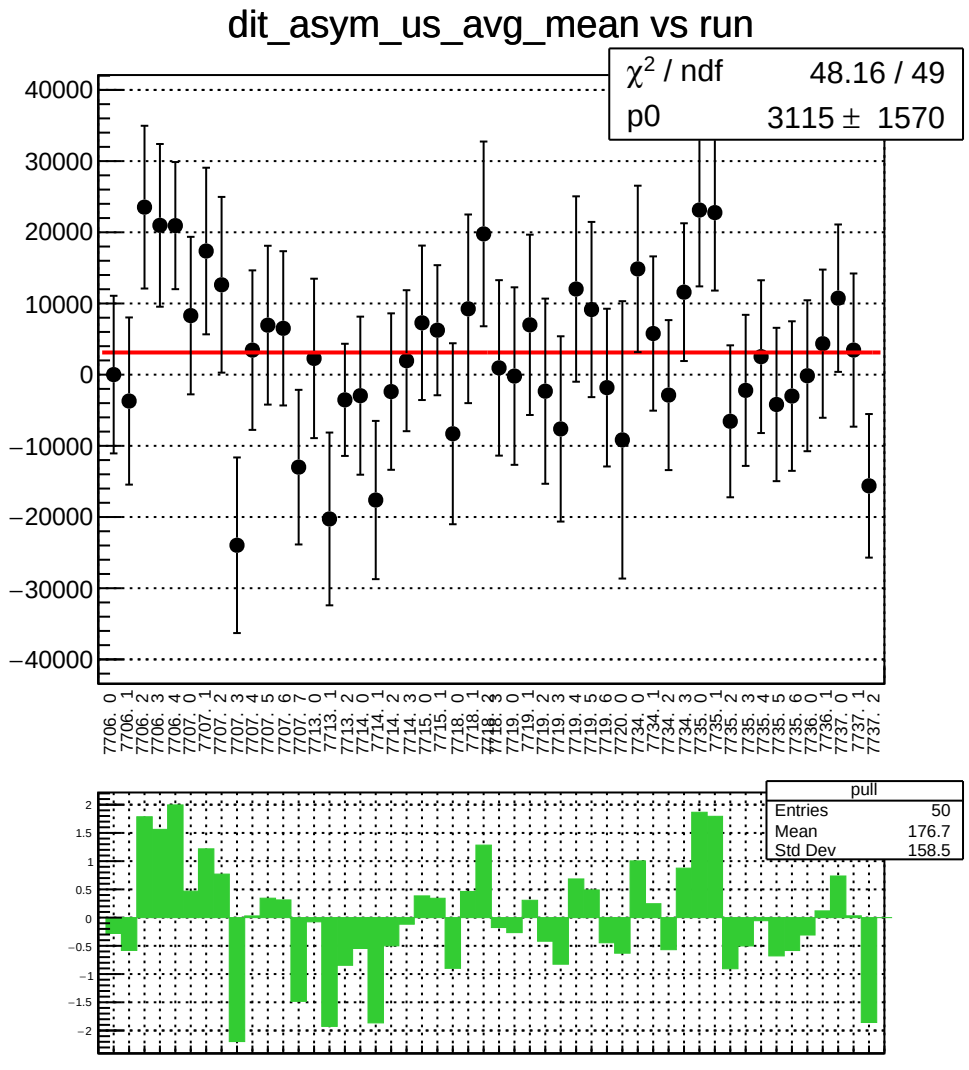
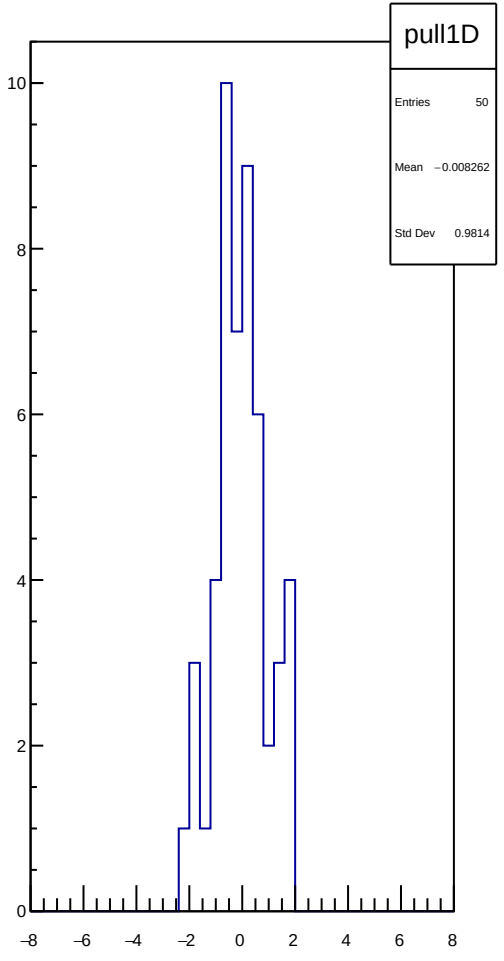
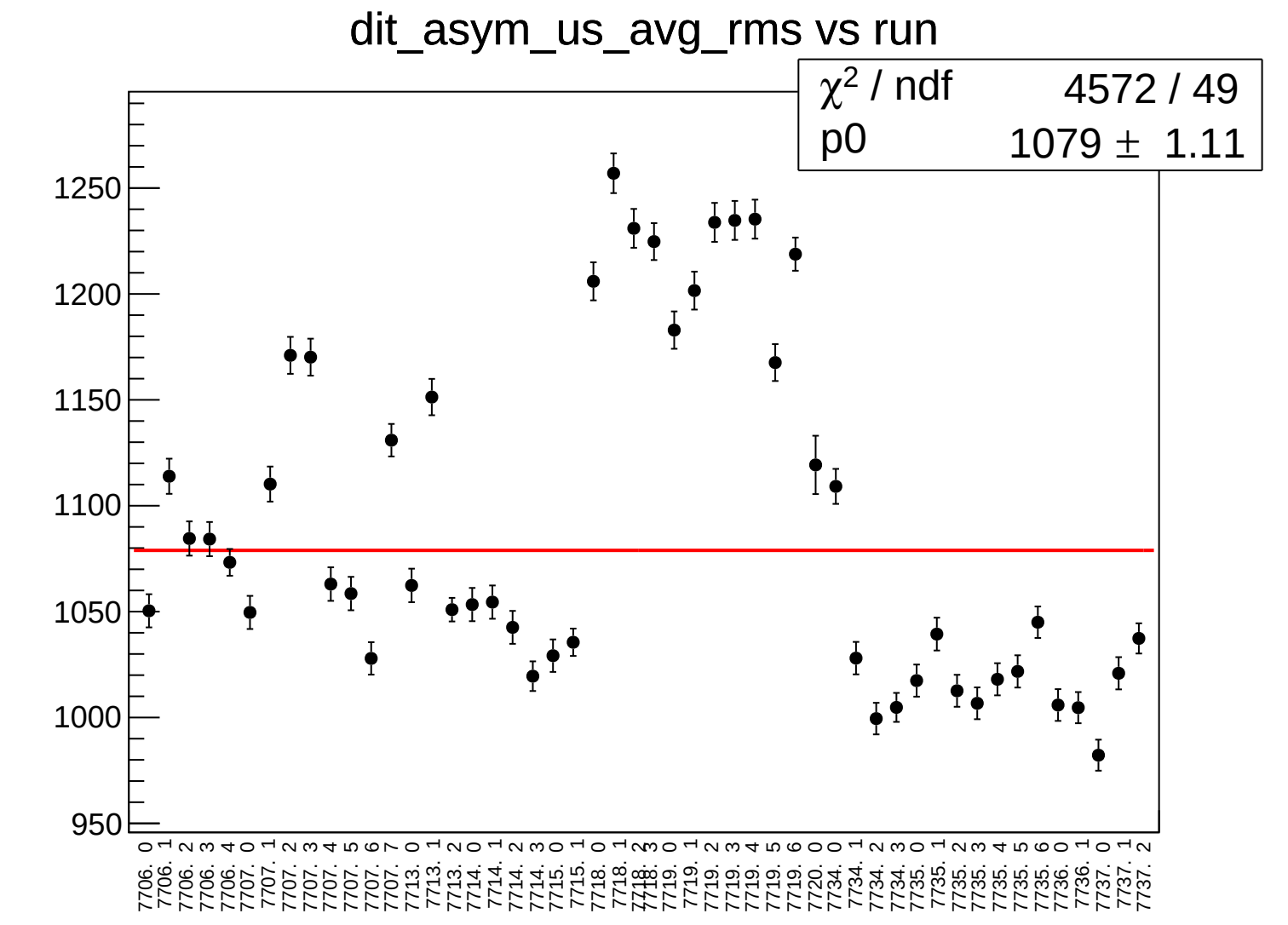
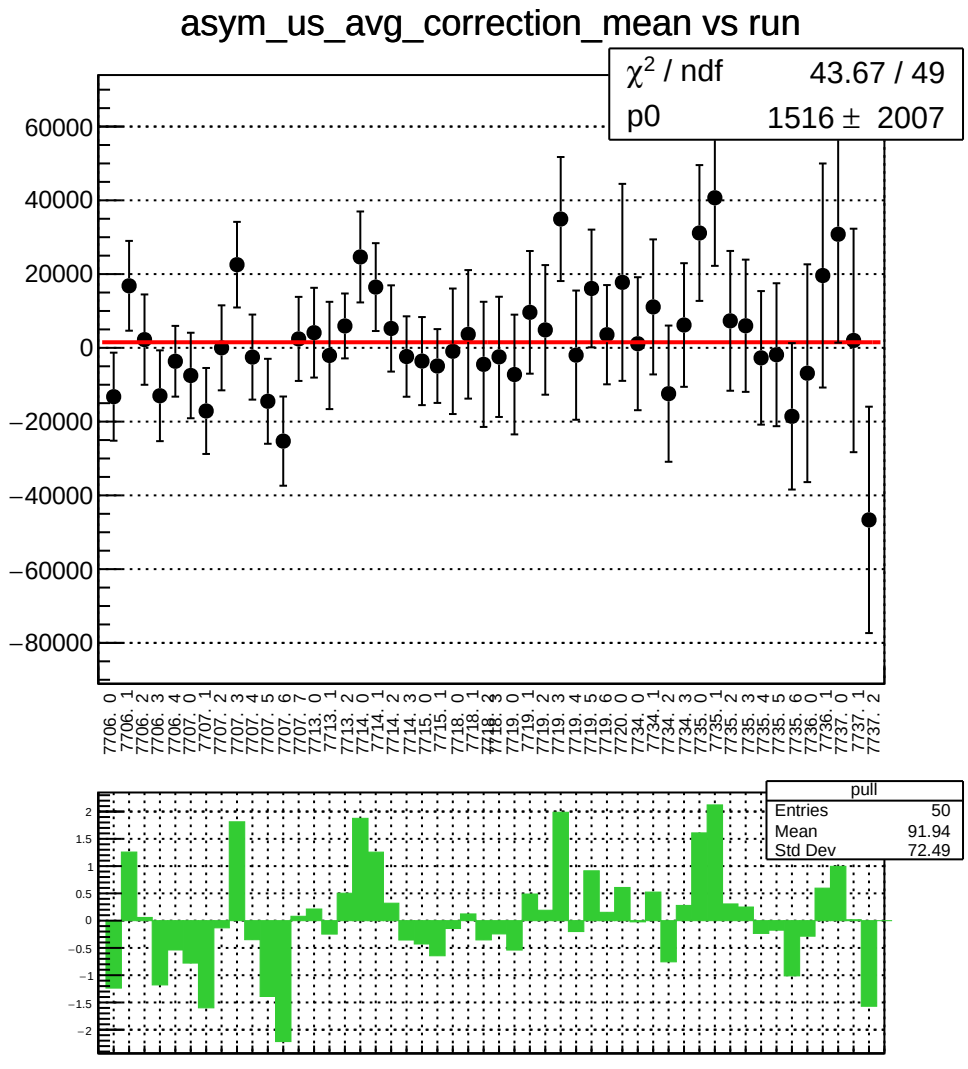
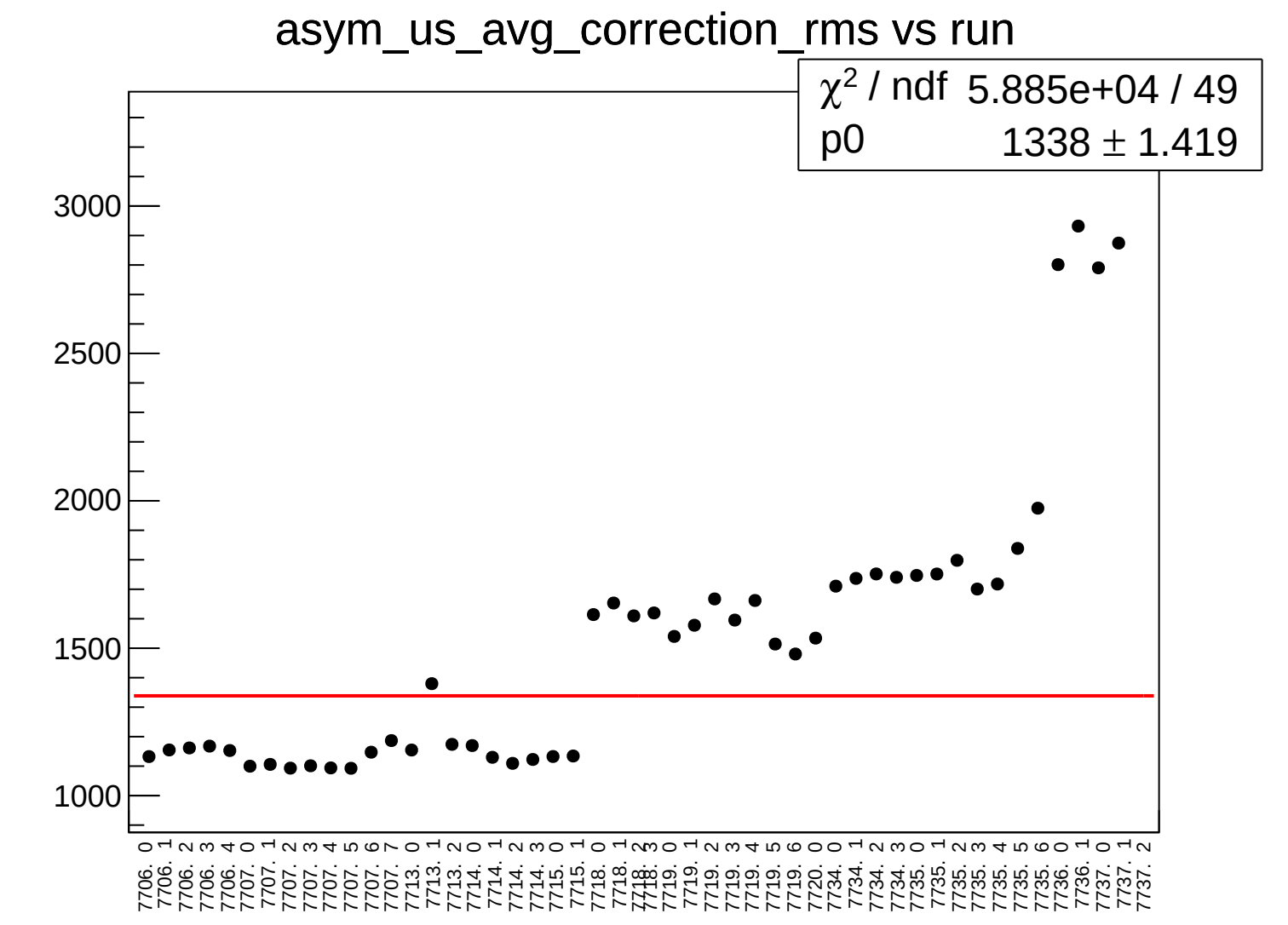
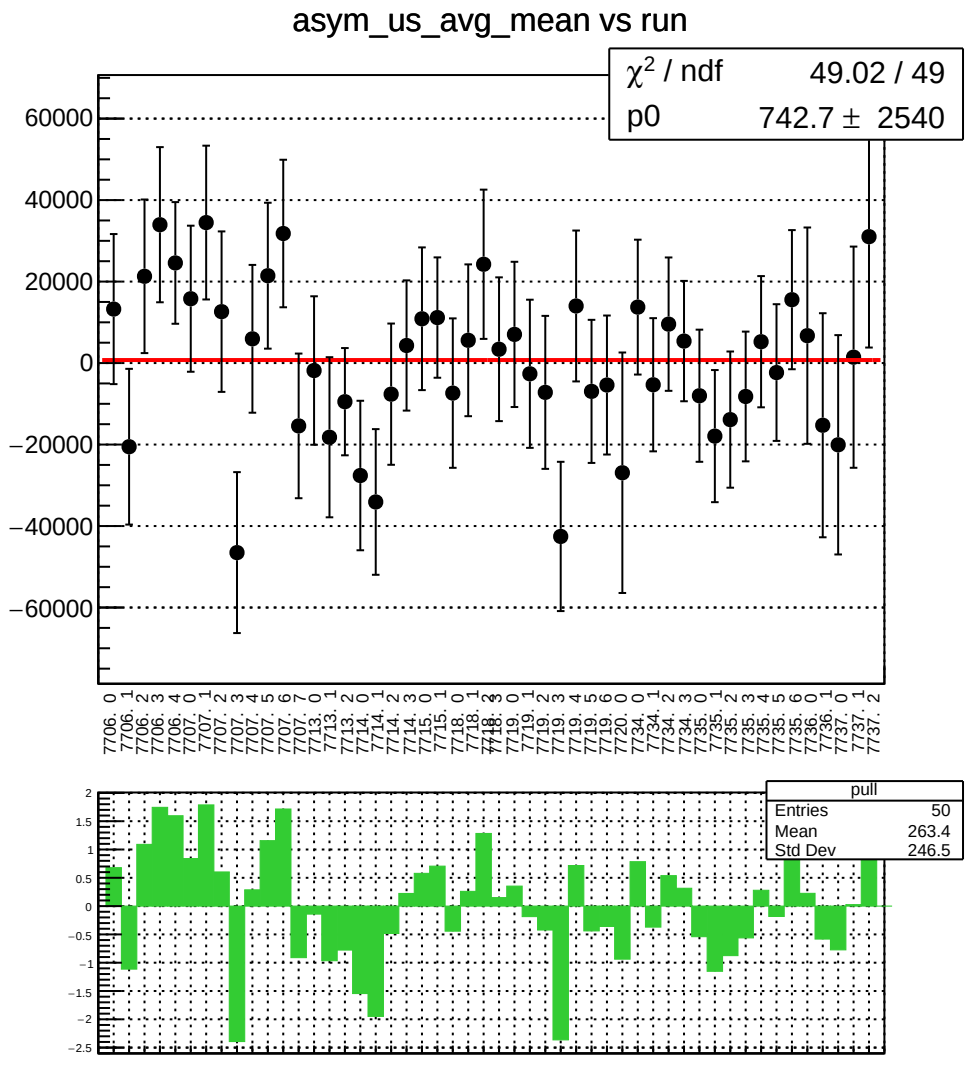

dit_asym_us_avg_mean vs run
χ² / ndf 48.16 / 49
p0 3115 ± 1570
pull
Entries 50
Mean 176.7
Std Dev 158.5

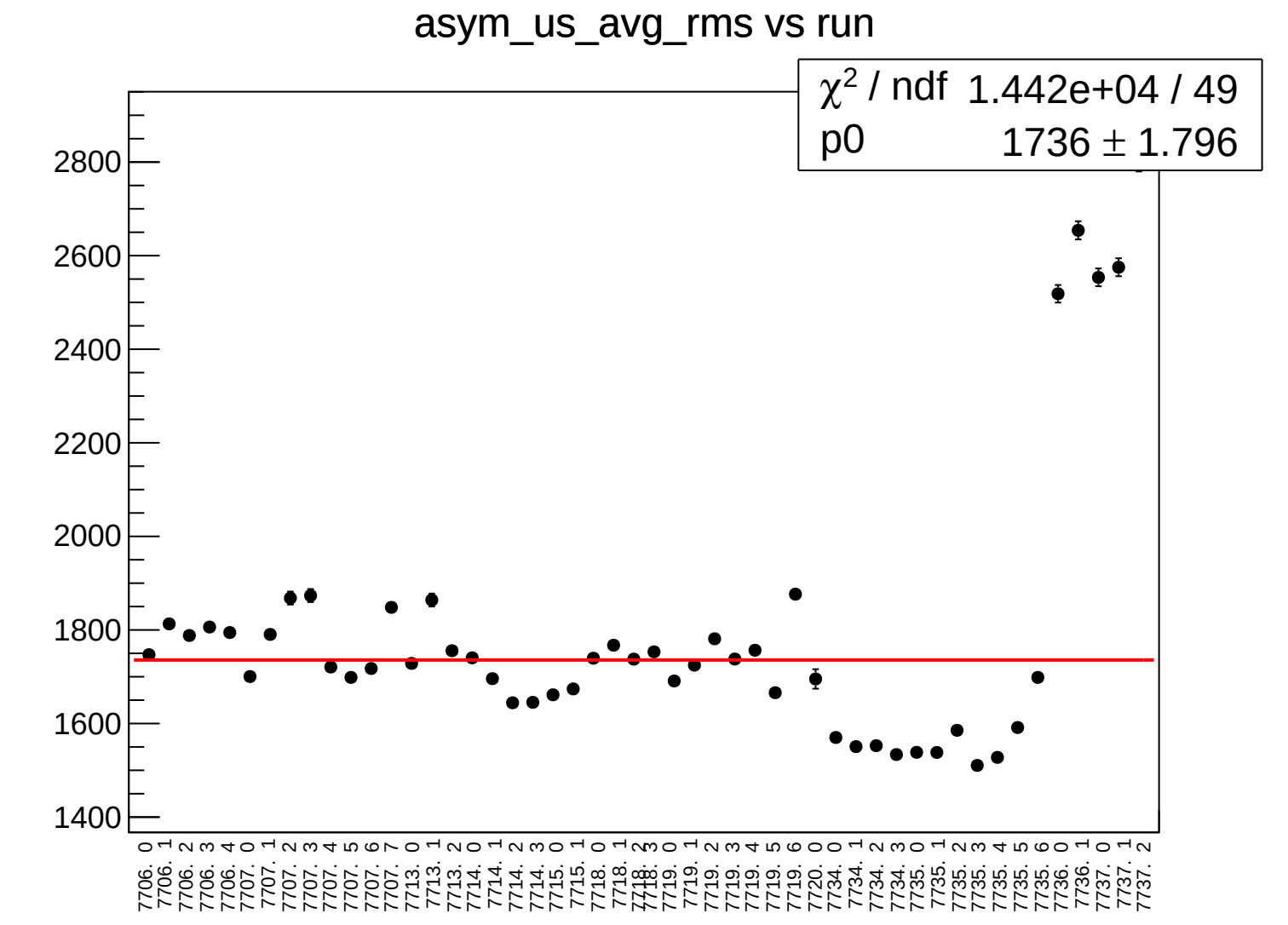

pull1D
Entries 50
Mean −0.008262
Std Dev 0.9814

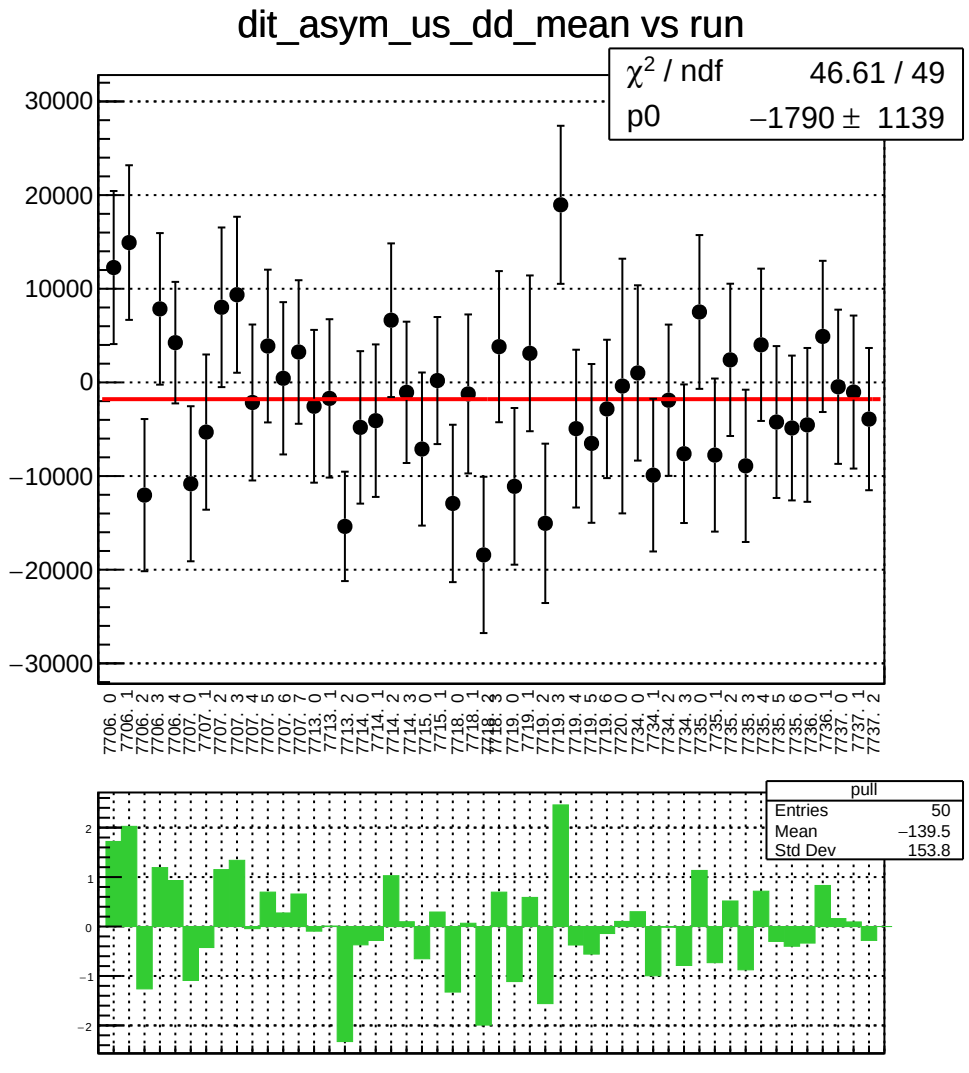

dit_asym_us_avg_rms vs run
χ² / ndf 4572 / 49
p0 1079 ± 1.11
1250
1200
1150
1100
1050
1000
950
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

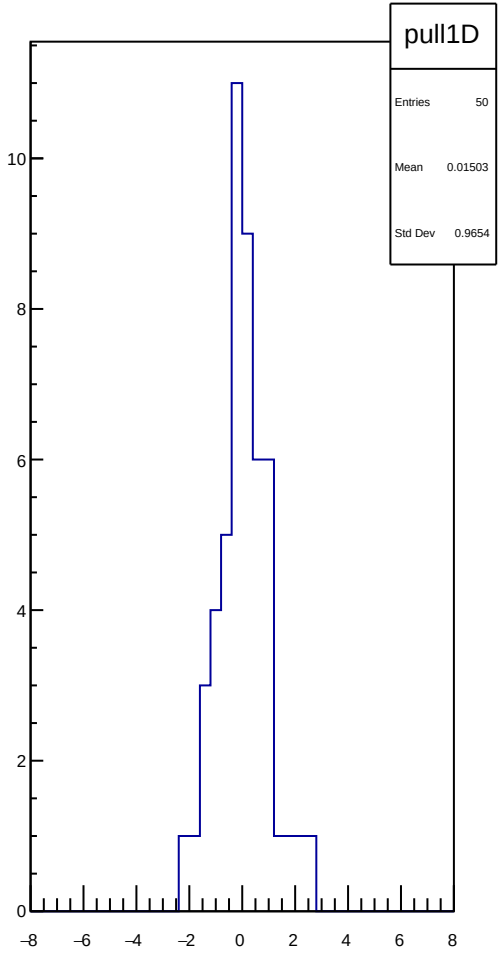

asym_us_avg_correction_mean vs run
χ² / ndf 43.67 / 49
p0 1516 ± 2007
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 91.94
Std Dev 72.49
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.03841
Std Dev 0.9338
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

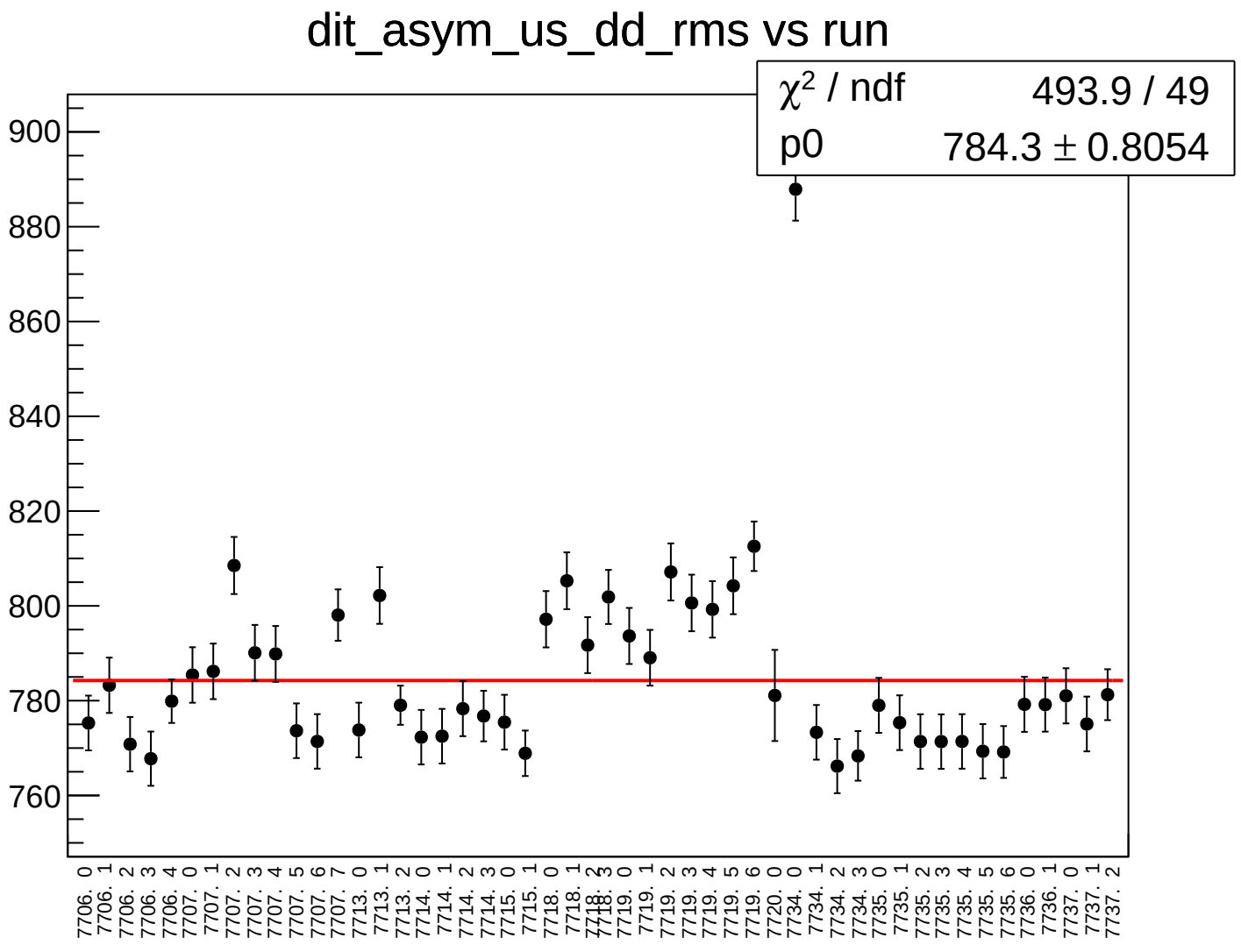

asym_us_avg_correction_rms vs run
χ² / ndf 5.885e+04 / 49
p0 1338 ± 1.419
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

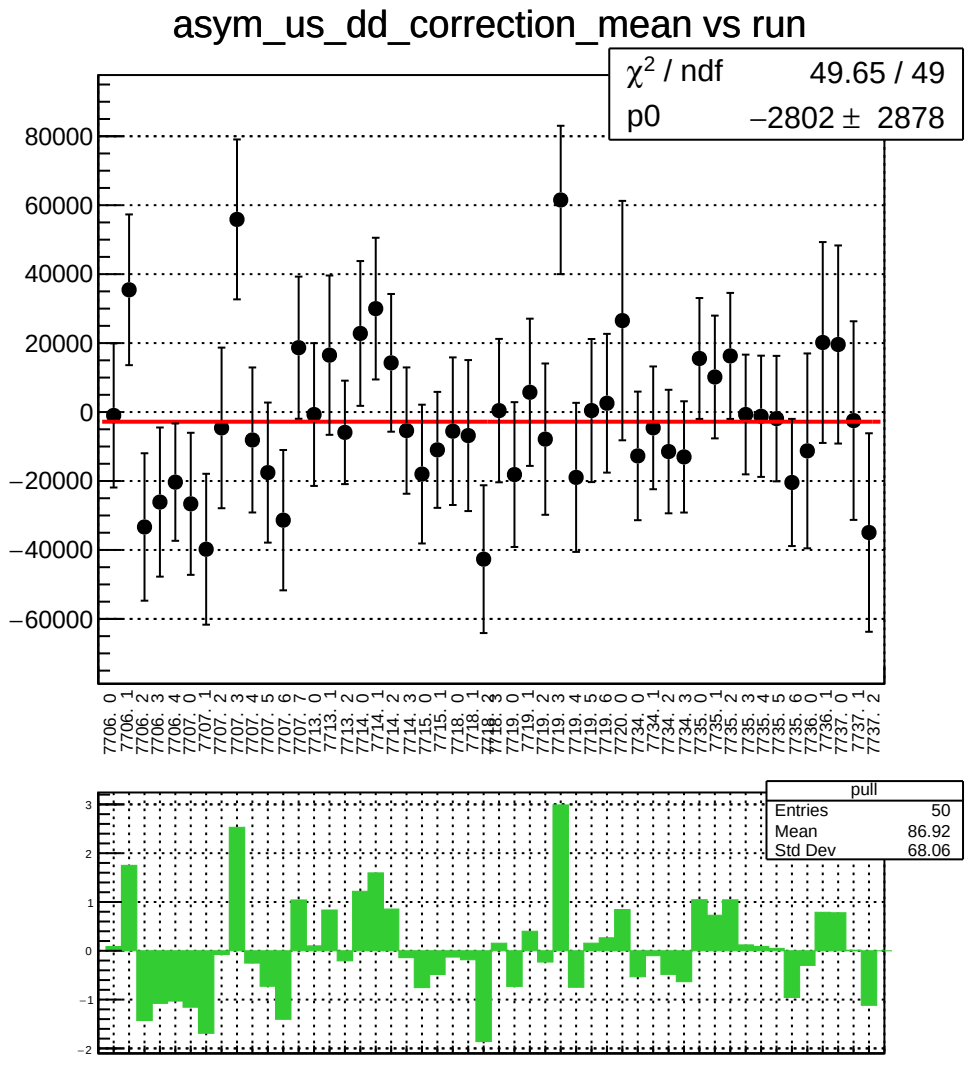

asym_us_avg_mean vs run
χ² / ndf 49.02 / 49
p0 742.7 ± 2540
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 263.4
Std Dev 246.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.01079
Std Dev 0.9901
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

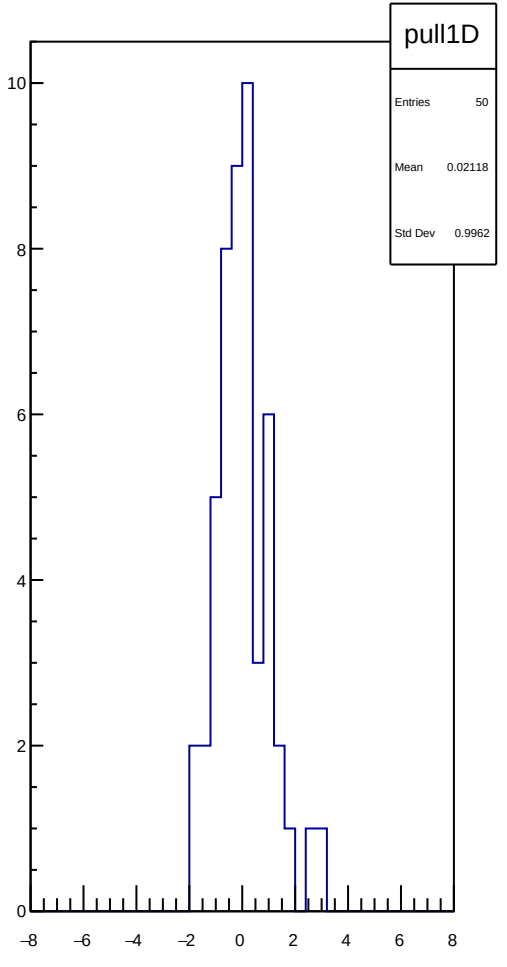

asym_us_avg_rms vs run
χ² / ndf 1.442e+04 / 49
p0 1736 ± 1.796
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

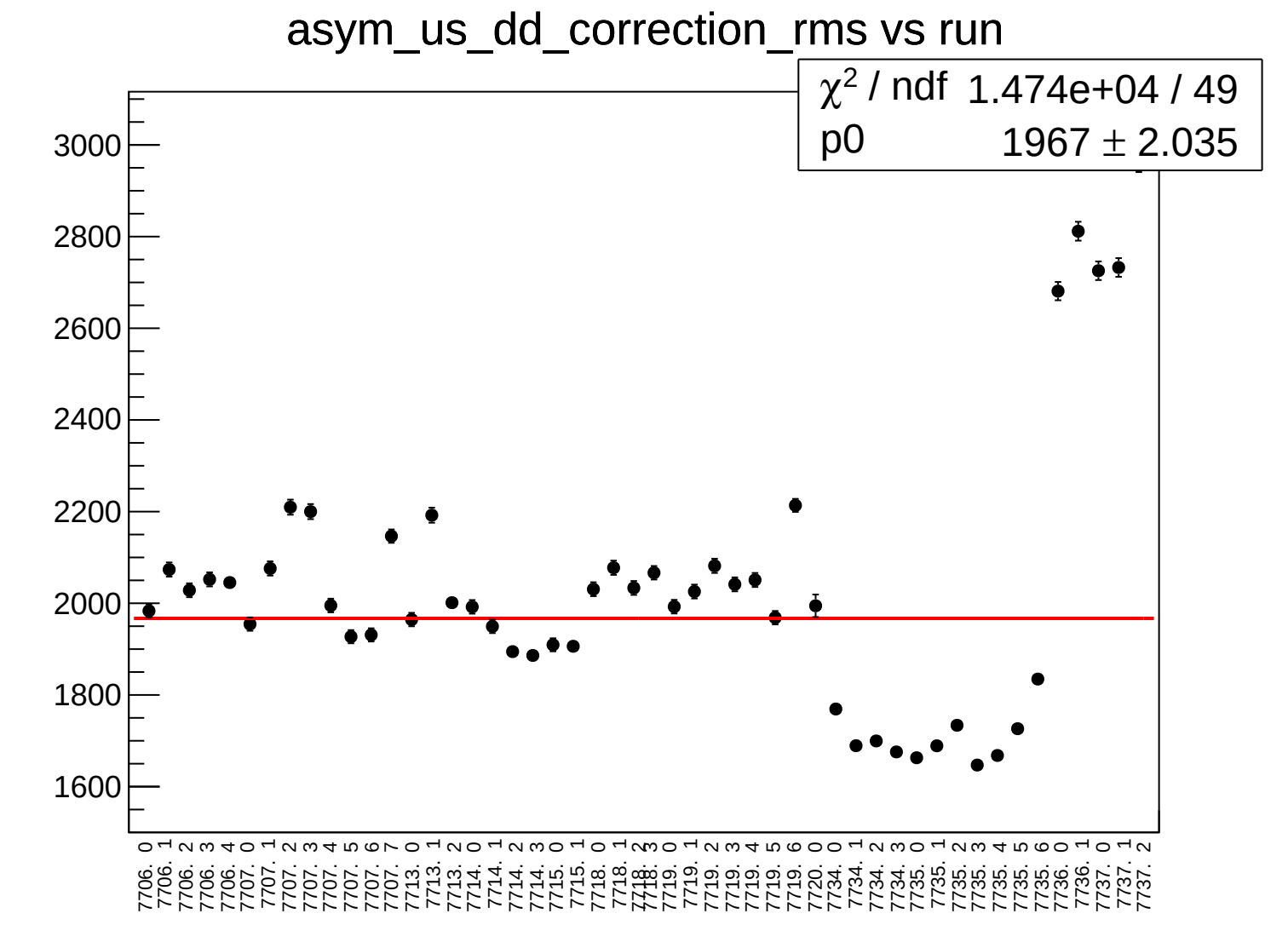

dit_asym_us_dd_mean vs run
χ² / ndf 46.61 / 49
p0 −1790 ± 1139
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −139.5
Std Dev 153.8
2
1
0
−1
−2

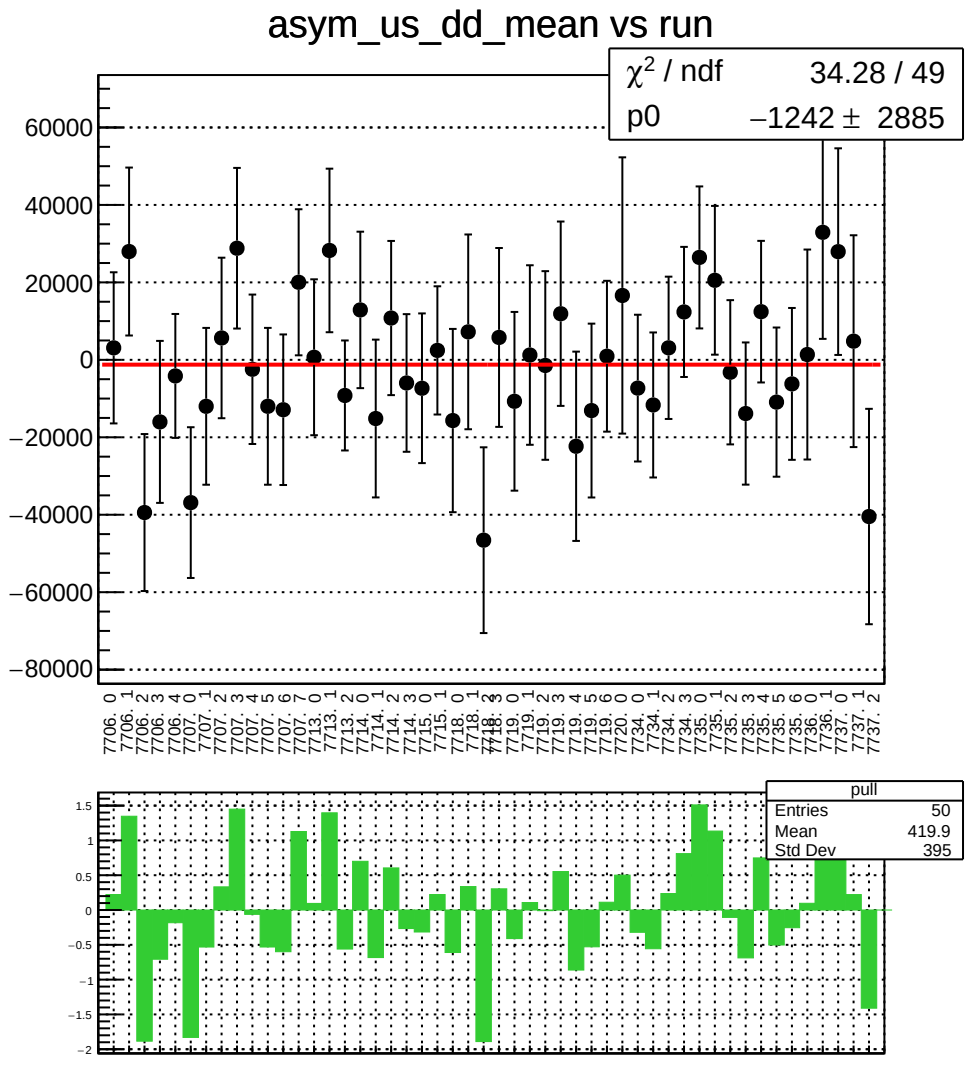

pull1D
Entries 50
Mean 0.01503
Std Dev 0.9654
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

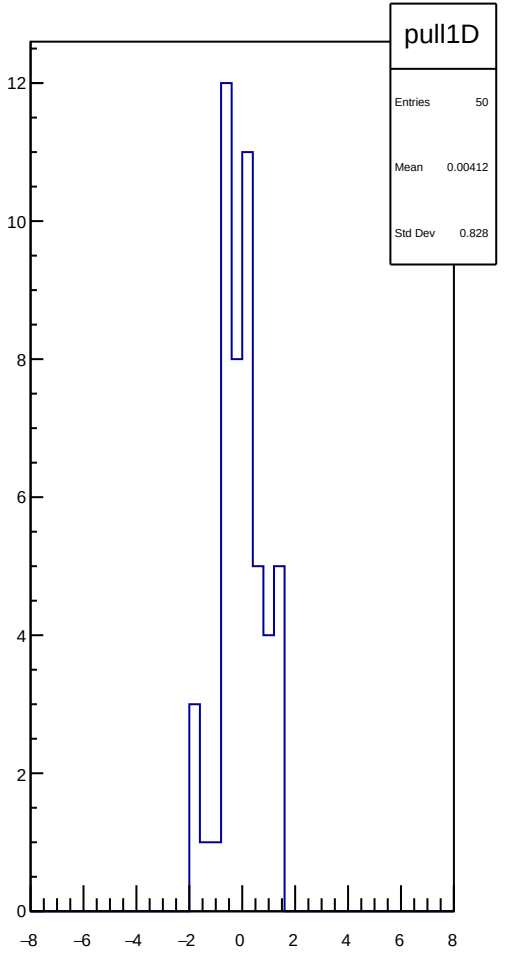

dit_asym_us_dd_rms vs run
χ² / ndf 493.9 / 49
p0 784.3 ± 0.8054
900
880
860
840
820
800
780
760
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

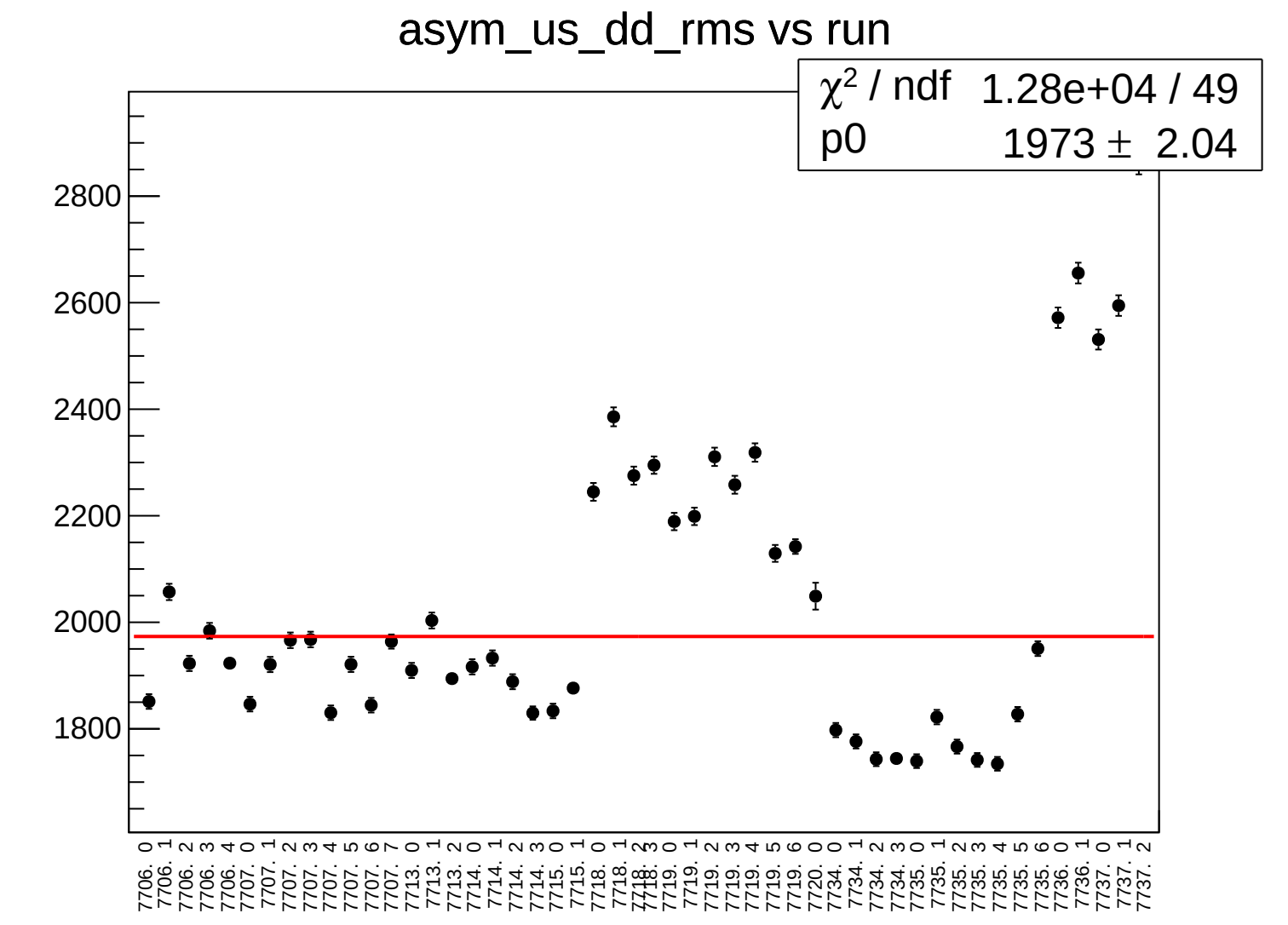

asym_us_dd_correction_mean vs run
χ² / ndf 49.65 / 49
p0 −2802 ± 2878
80000
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 86.92
Std Dev 68.06
3
2
1
0
−1
−2

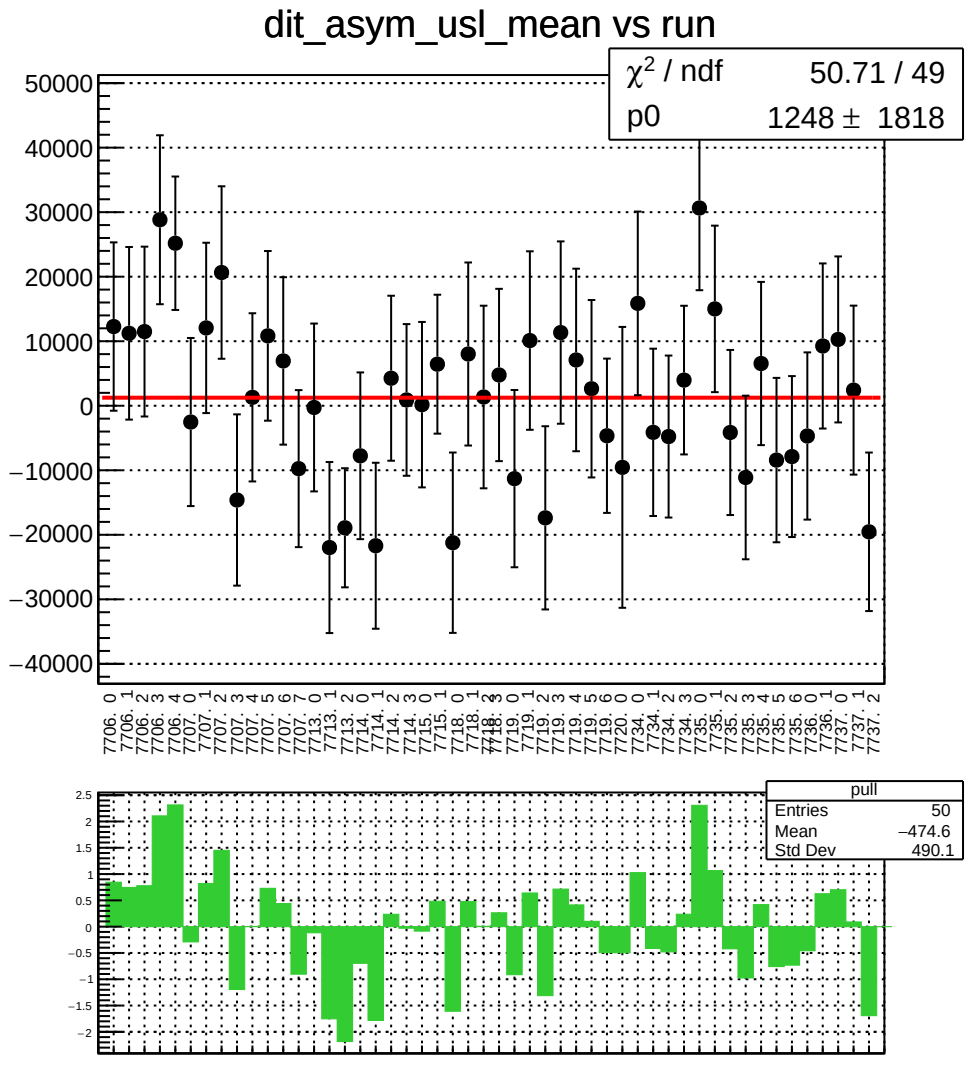

pull1D
Entries 50
Mean 0.02118
Std Dev 0.9962
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

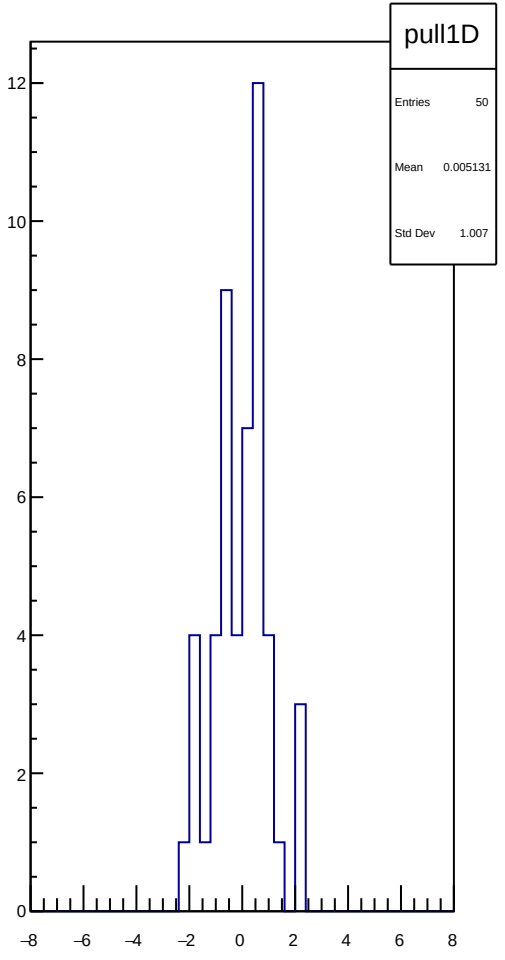

asym_us_dd_correction_rms vs run
χ² / ndf 1.474e+04 / 49
p0 1967 ± 2.035
3000
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

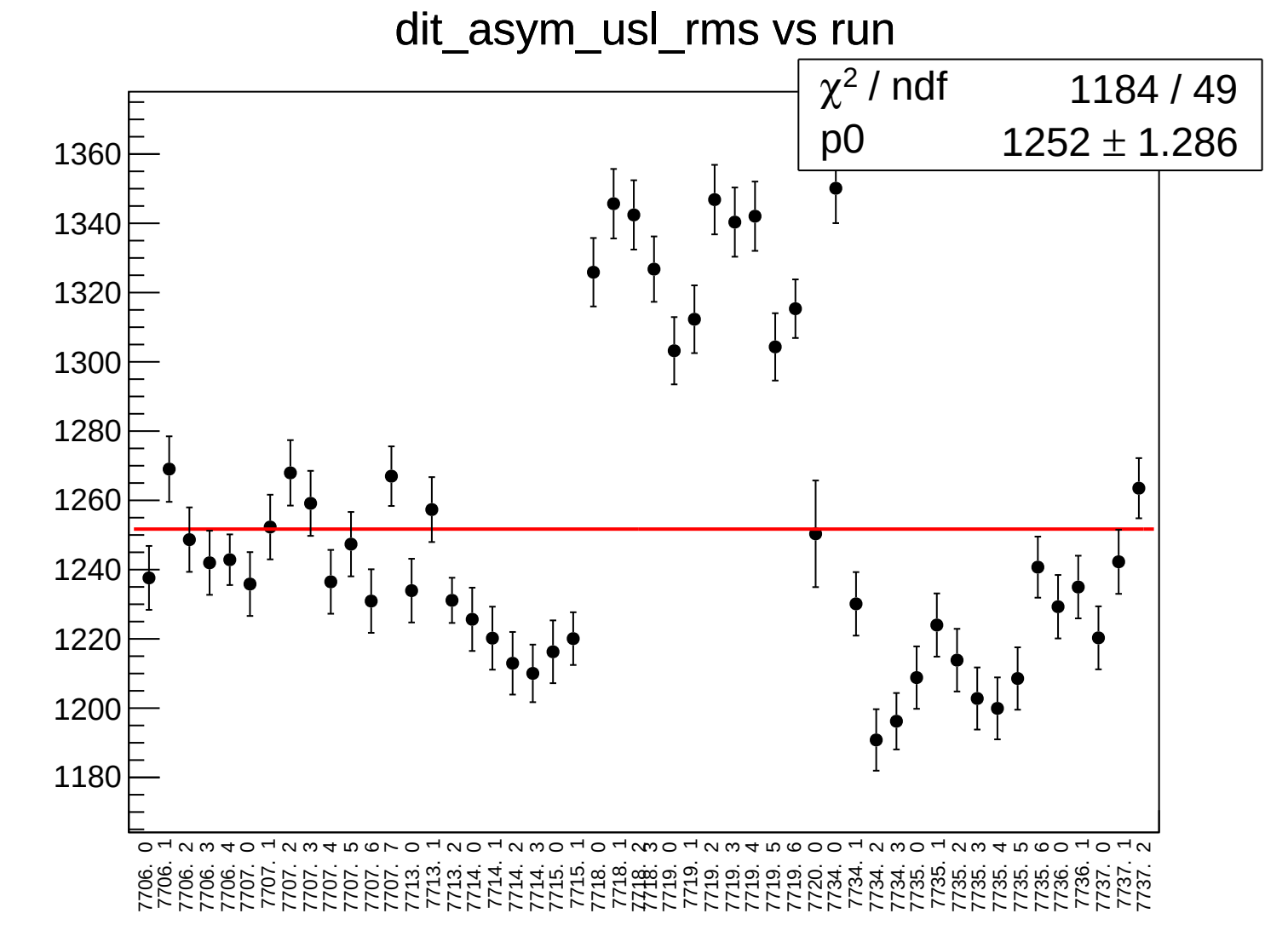

asym_us_dd_mean vs run
χ² / ndf 34.28 / 49
p0 −1242 ± 2885
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 419.9
Std Dev 395
1.5
1
0.5
0
−0.5
−1
−1.5
−2

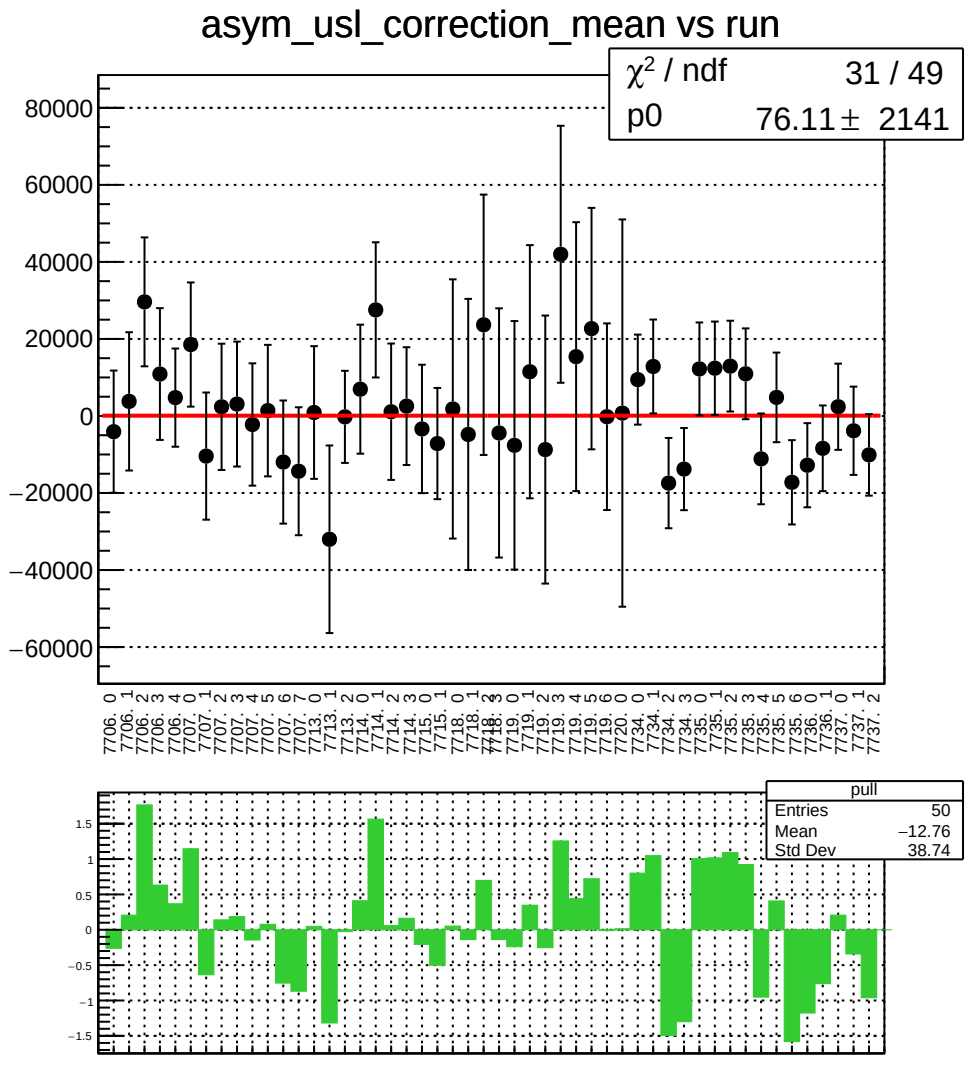

pull1D
Entries 50
Mean 0.00412
Std Dev 0.828
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

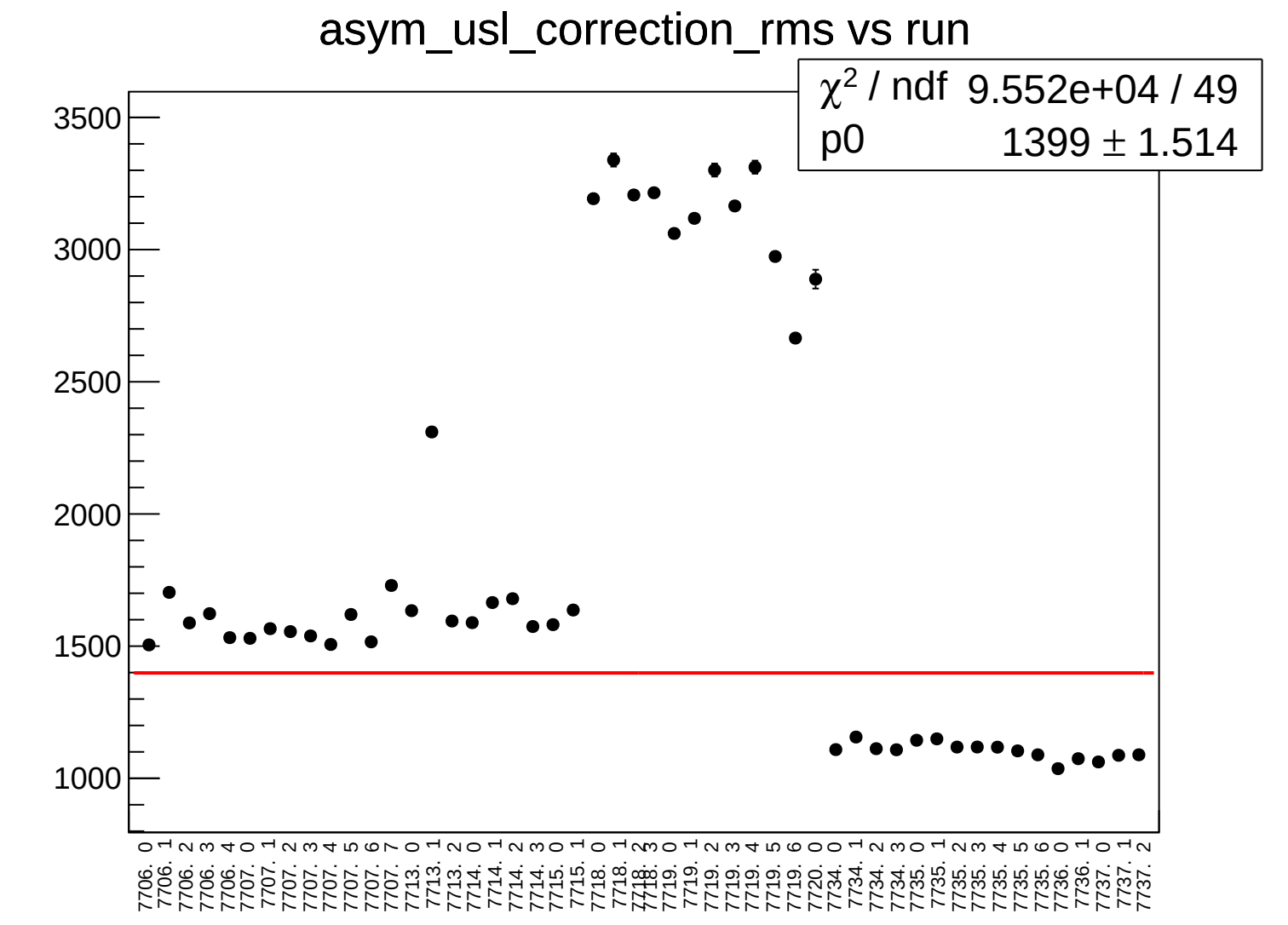

asym_us_dd_rms vs run
χ² / ndf 1.28e+04 / 49
p0 1973 ± 2.04
2800
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

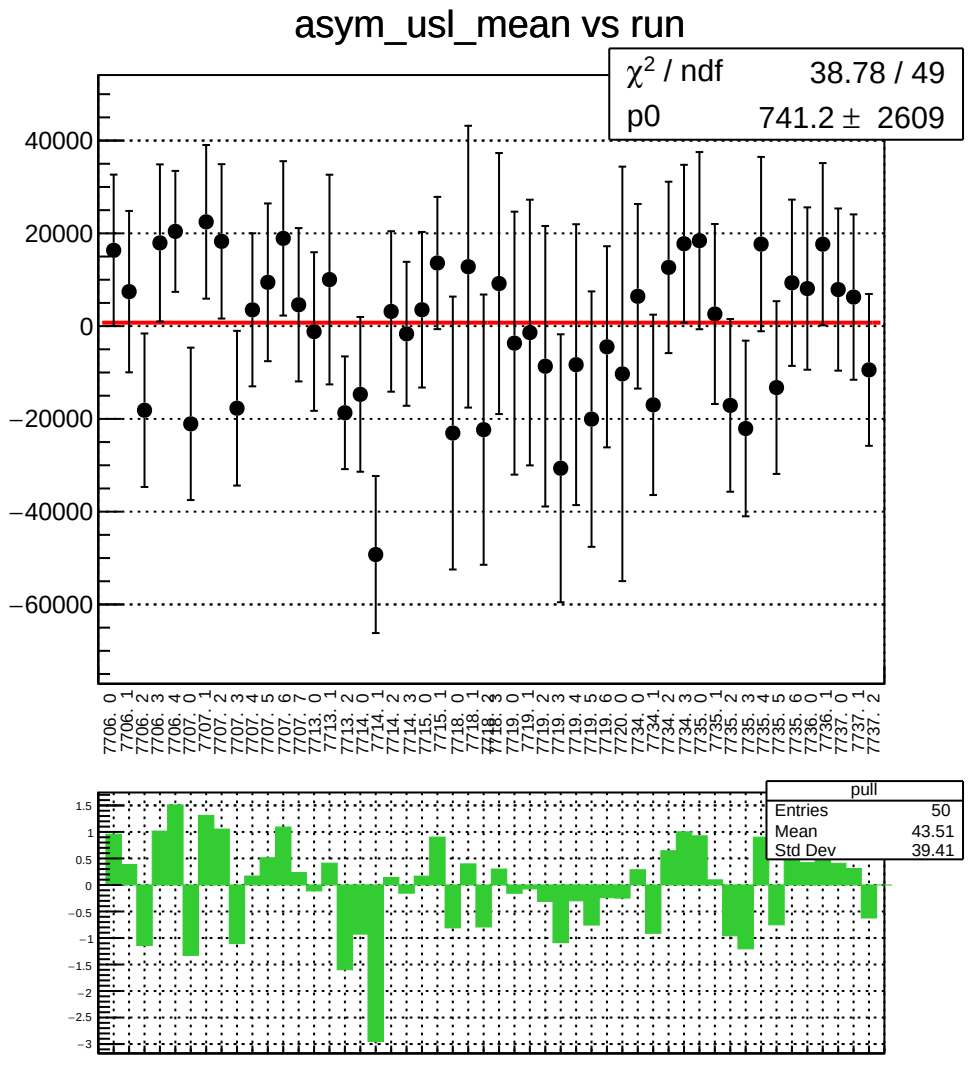

dit_asym_usl_mean vs run
χ² / ndf 50.71 / 49
p0 1248 ± 1818
pull
Entries 50
Mean −474.6
Std Dev 490.1

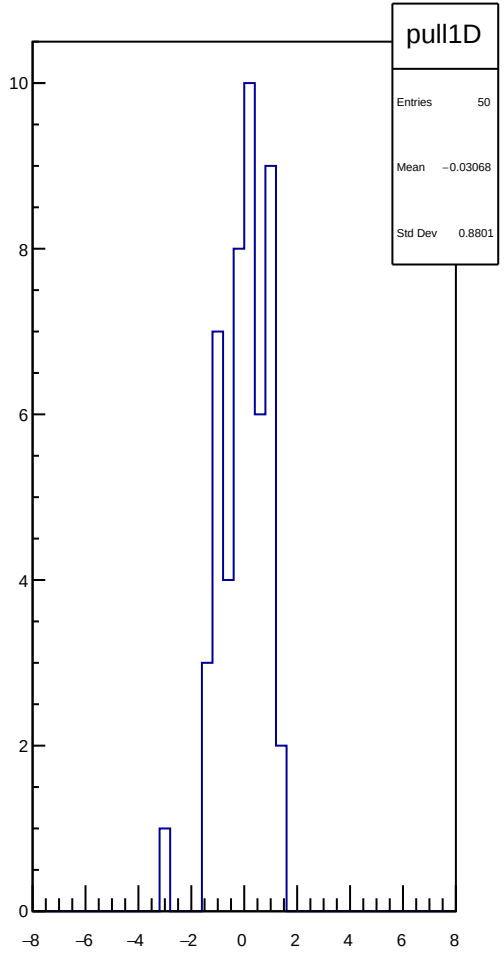

pull1D
Entries 50
Mean 0.005131
Std Dev 1.007

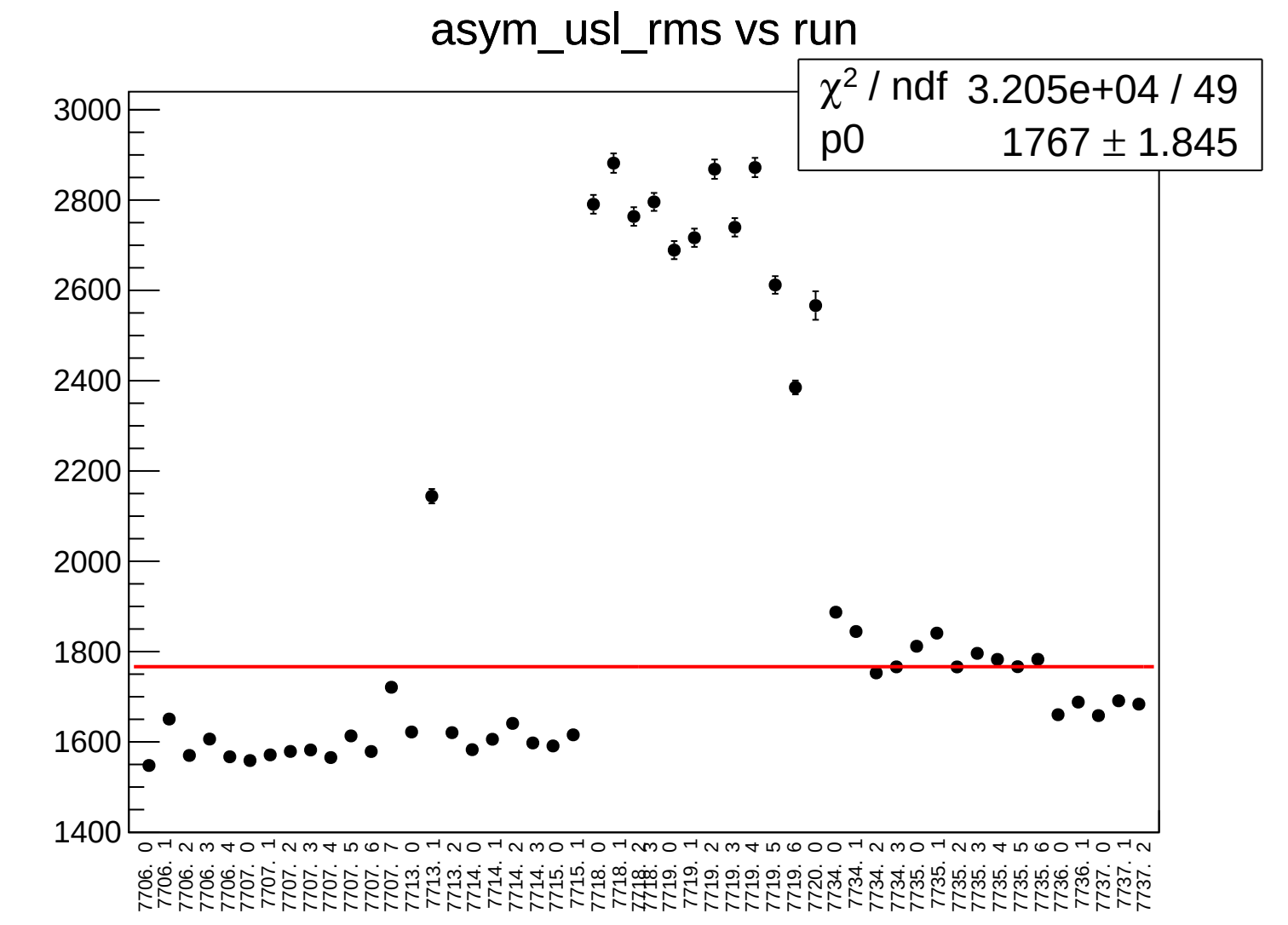

dit_asym_usl_rms vs run
χ² / ndf 1184 / 49
p0 1252 ± 1.286
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

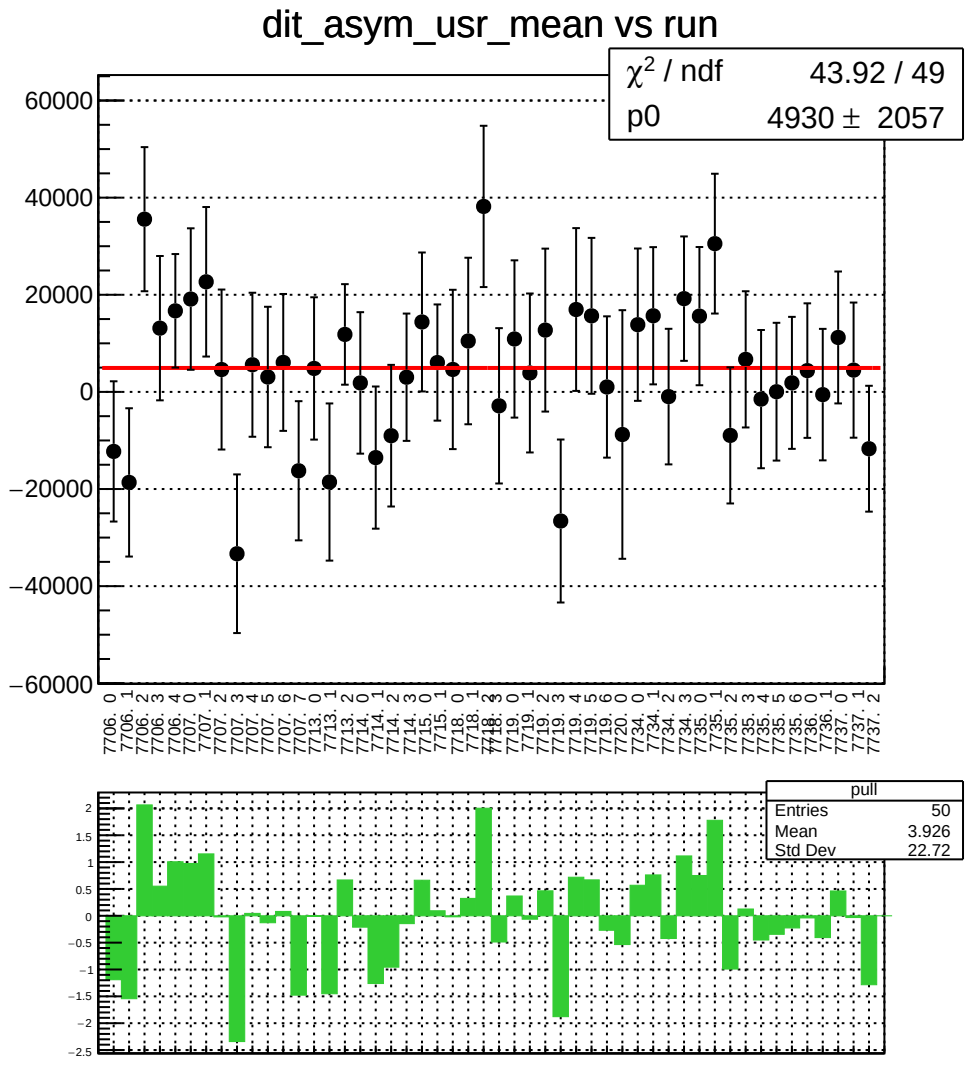

asym_usl_correction_mean vs run
χ² / ndf 31 / 49
p0 76.11 ± 2141
80000
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −12.76
Std Dev 38.74
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.05463
Std Dev 0.7854
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

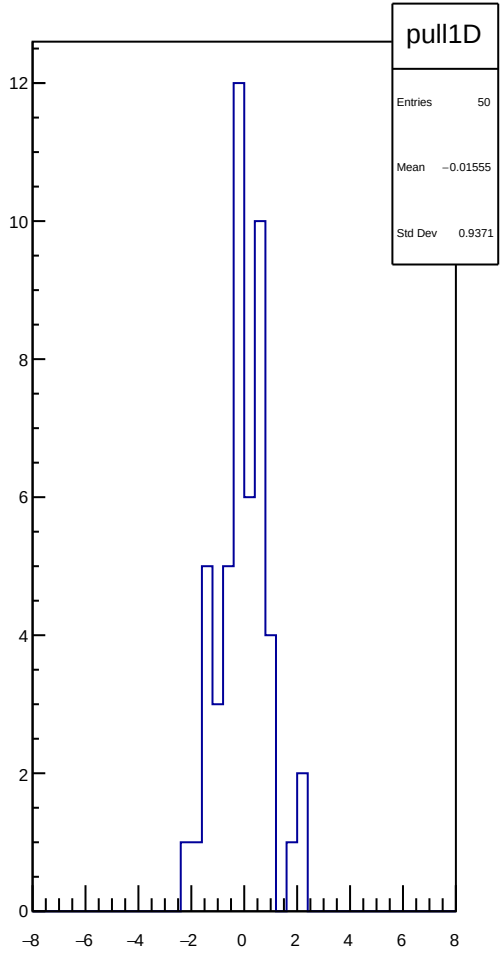

asym_usl_correction_rms vs run
χ² / ndf 9.552e+04 / 49
p0 1399 ± 1.514
3500
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

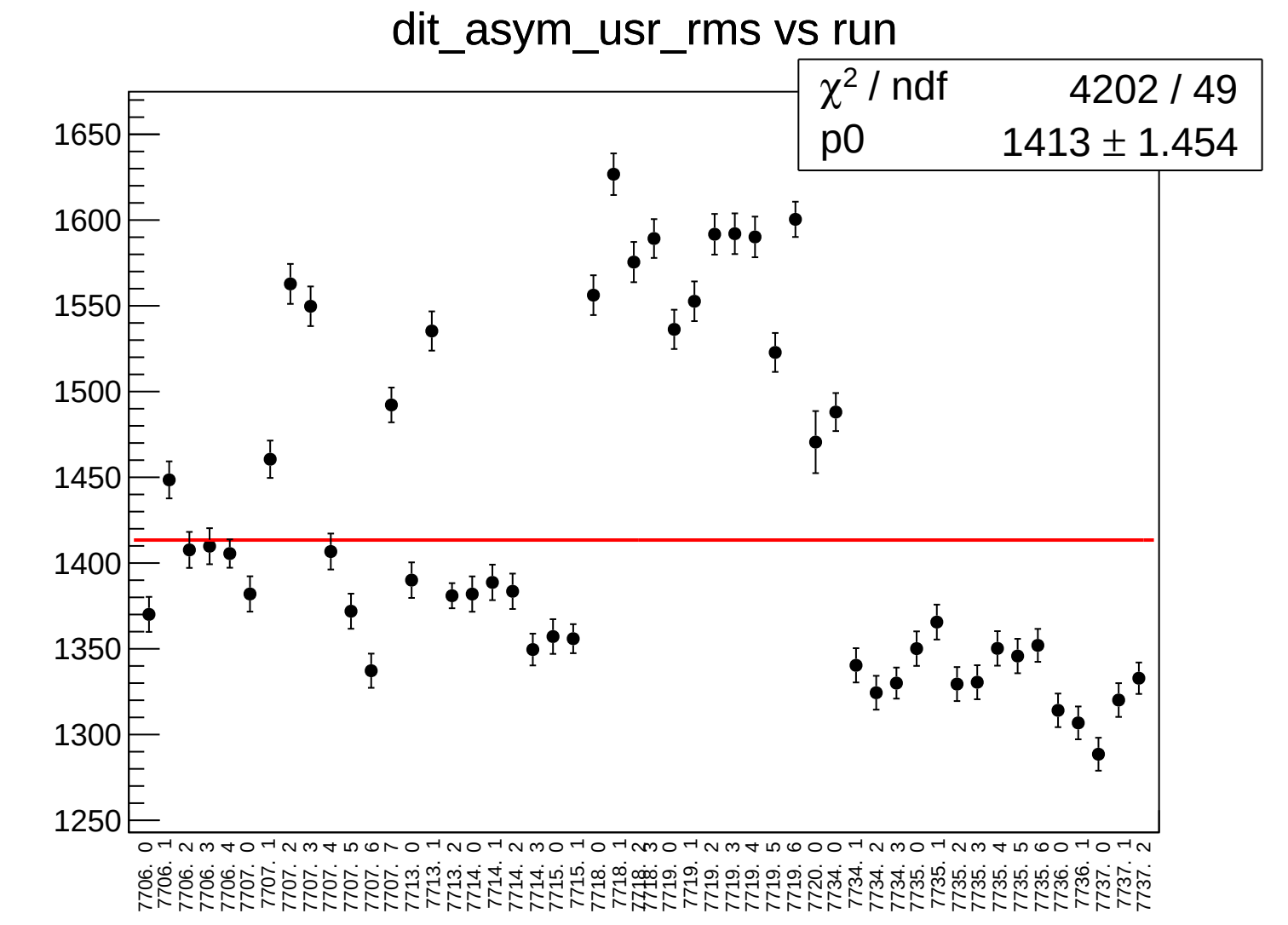

asym_usl_mean vs run
χ^2 / ndf 38.78 / 49
p0 741.2 ± 2609
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 43.51
Std Dev 39.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

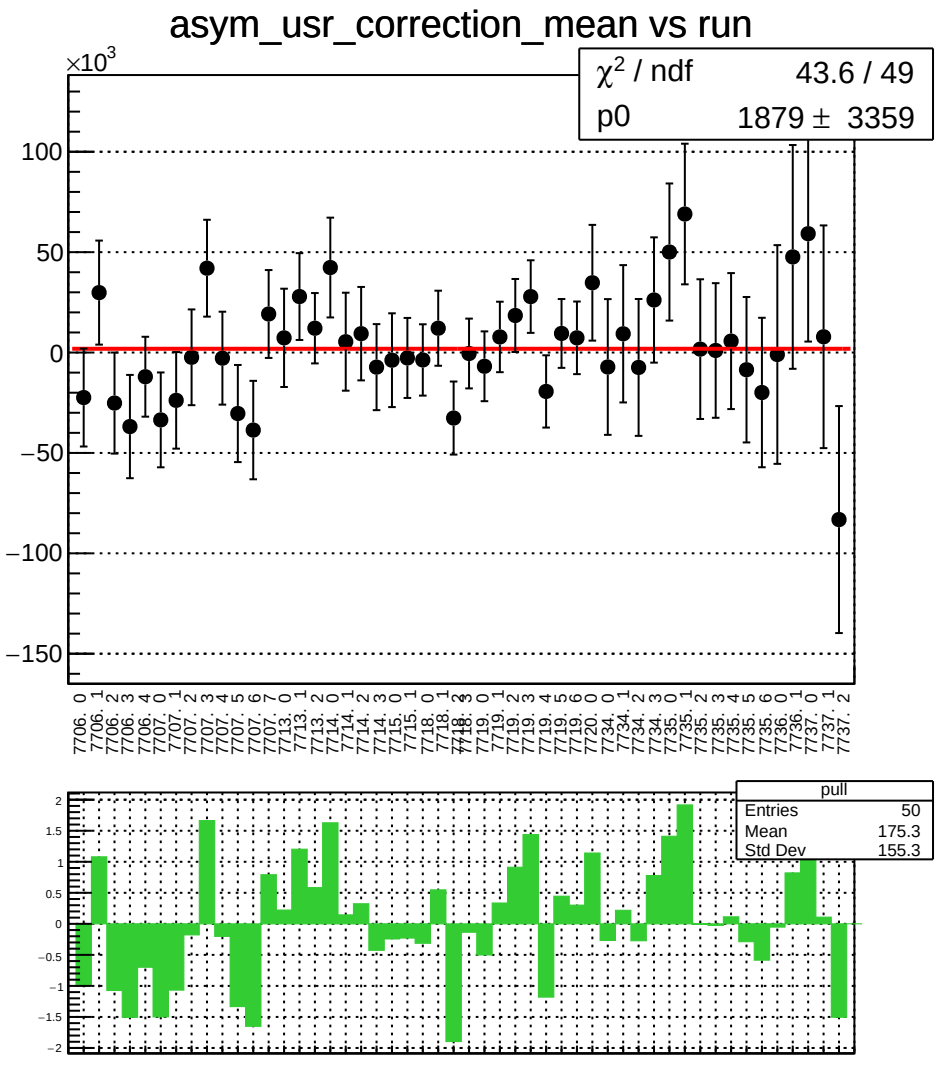

pull1D
Entries 50
Mean −0.03068
Std Dev 0.8801
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

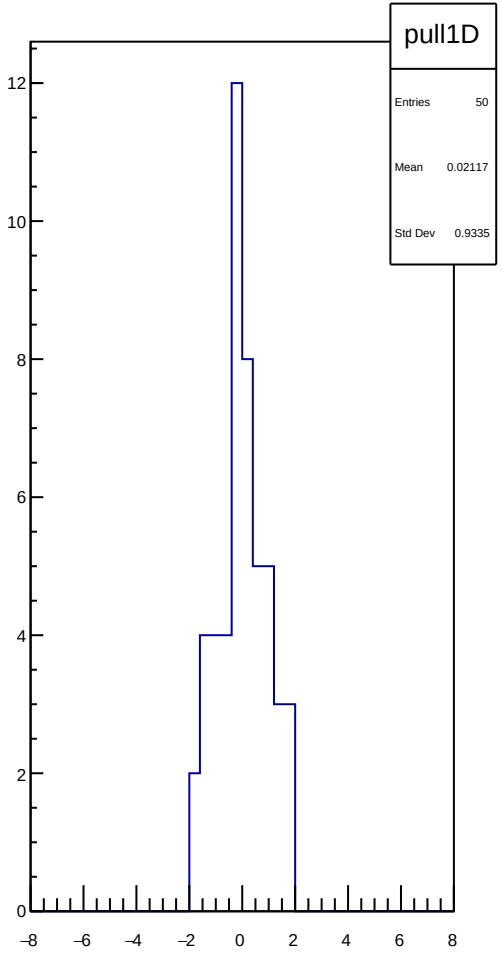

asym_usl_rms vs run
χ² / ndf 3.205e+04 / 49
p0 1767 ± 1.845
3000
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

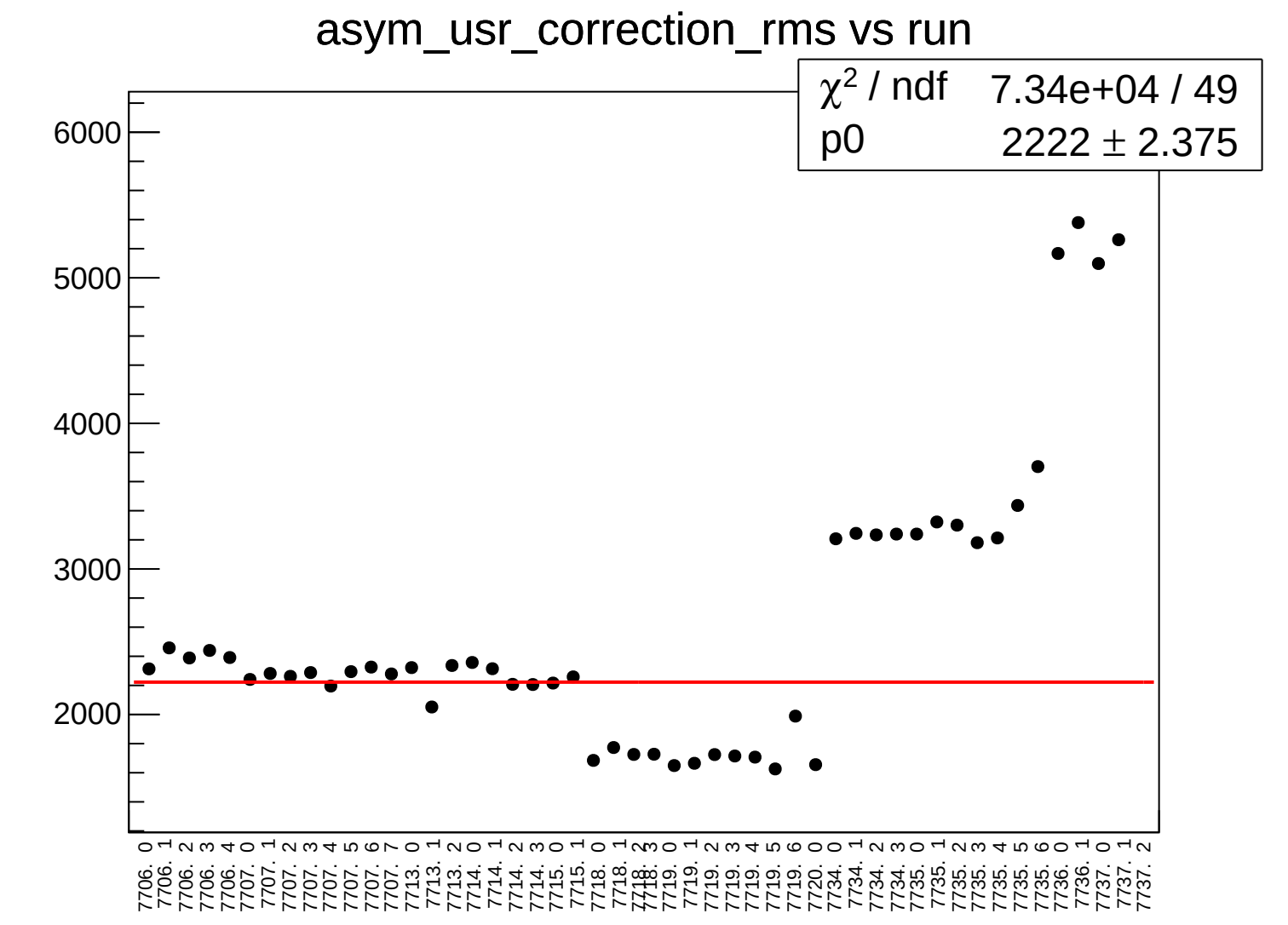

dit_asym_usr_mean vs run
χ² / ndf 43.92 / 49
p0 4930 ± 2057
pull
Entries 50
Mean 3.926
Std Dev 22.72

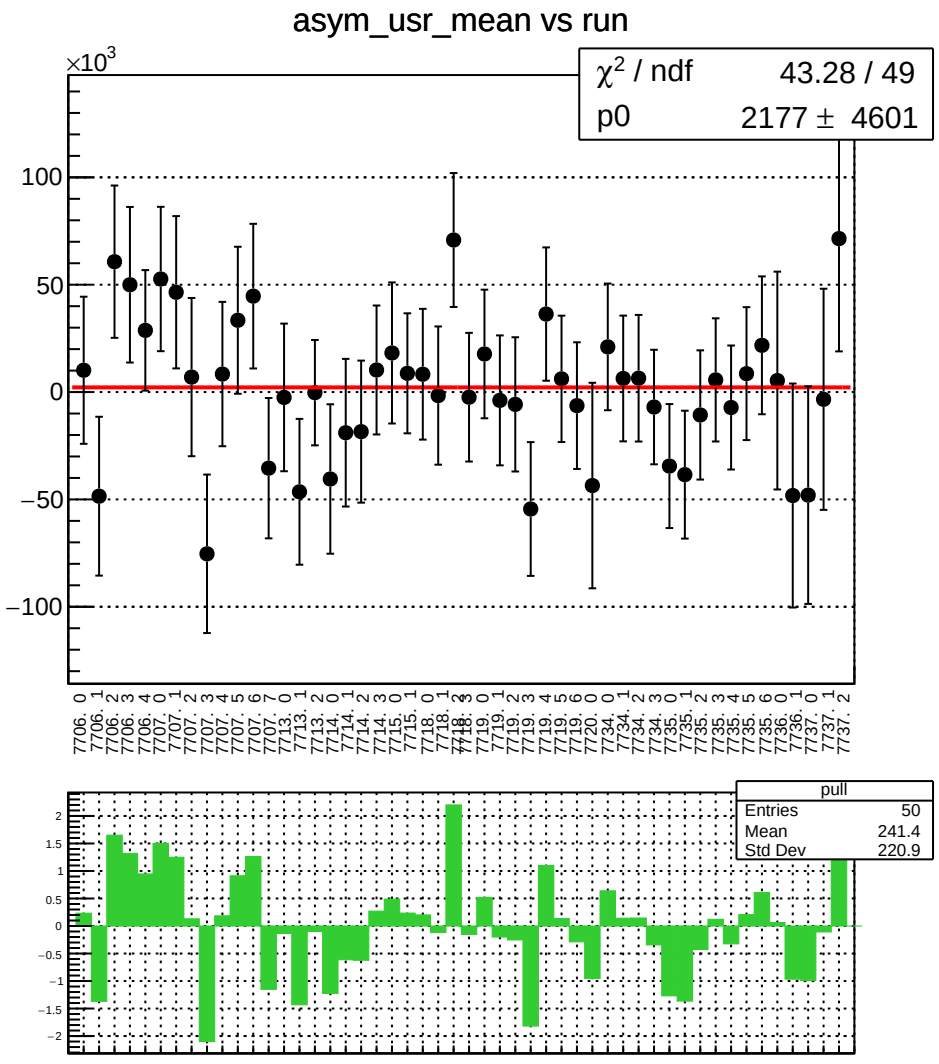

pull1D
Entries 50
Mean −0.01555
Std Dev 0.9371

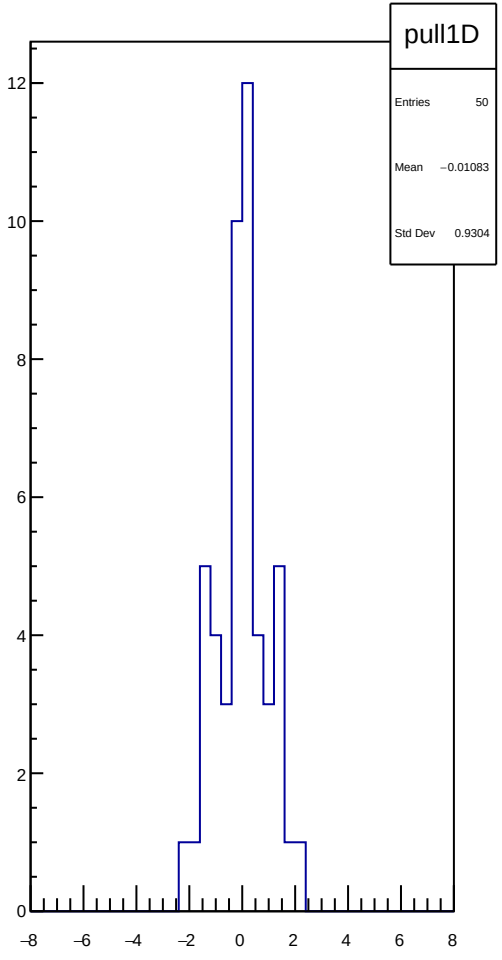

dit_asym_usr_rms vs run
χ² / ndf 4202 / 49
p0 1413 ± 1.454
1650
1600
1550
1500
1450
1400
1350
1300
1250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

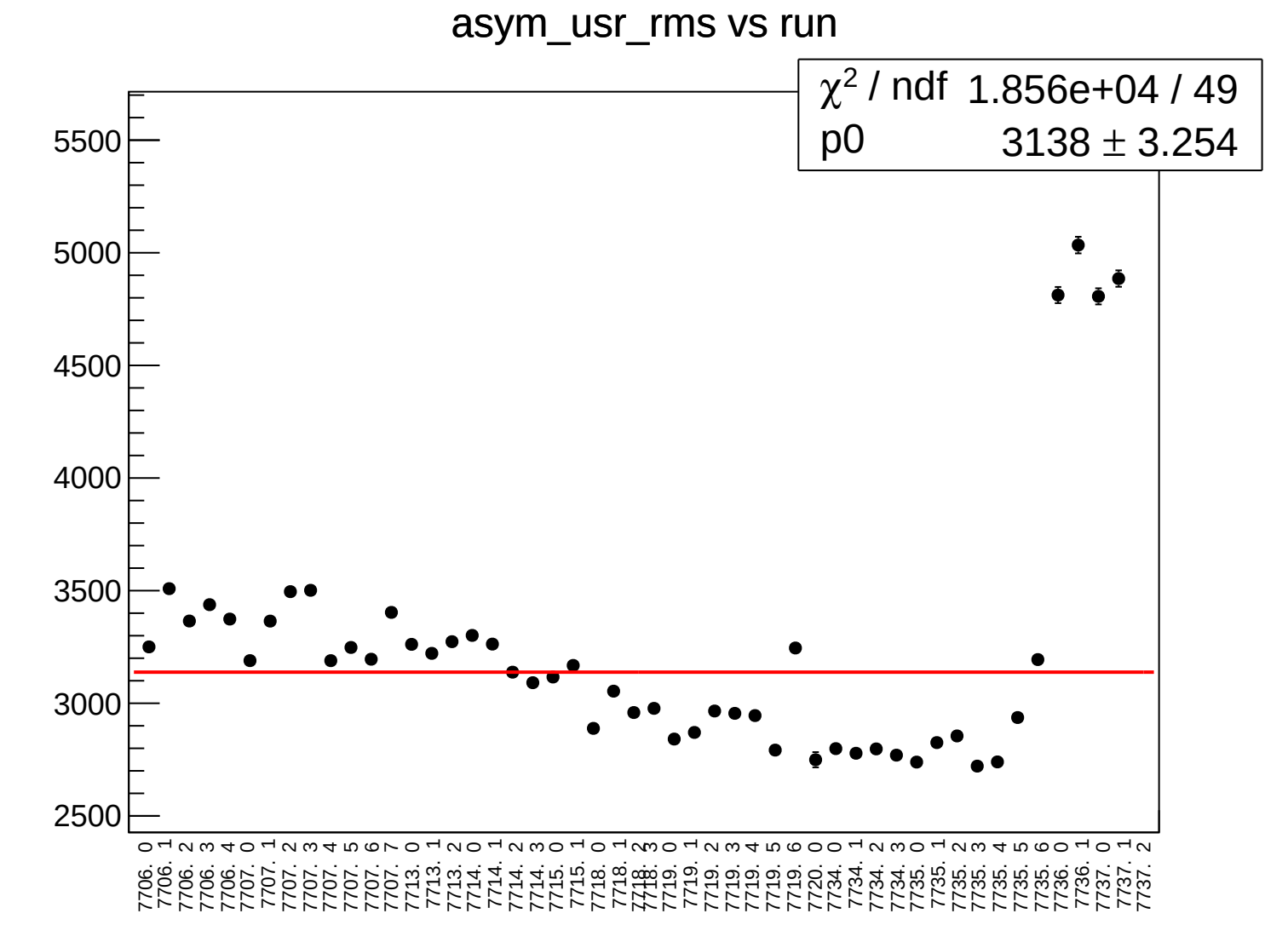

asym_usr_correction_mean vs run
×10^3
χ² / ndf 43.6 / 49
p0 1879 ± 3359
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 175.3
Std Dev 155.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

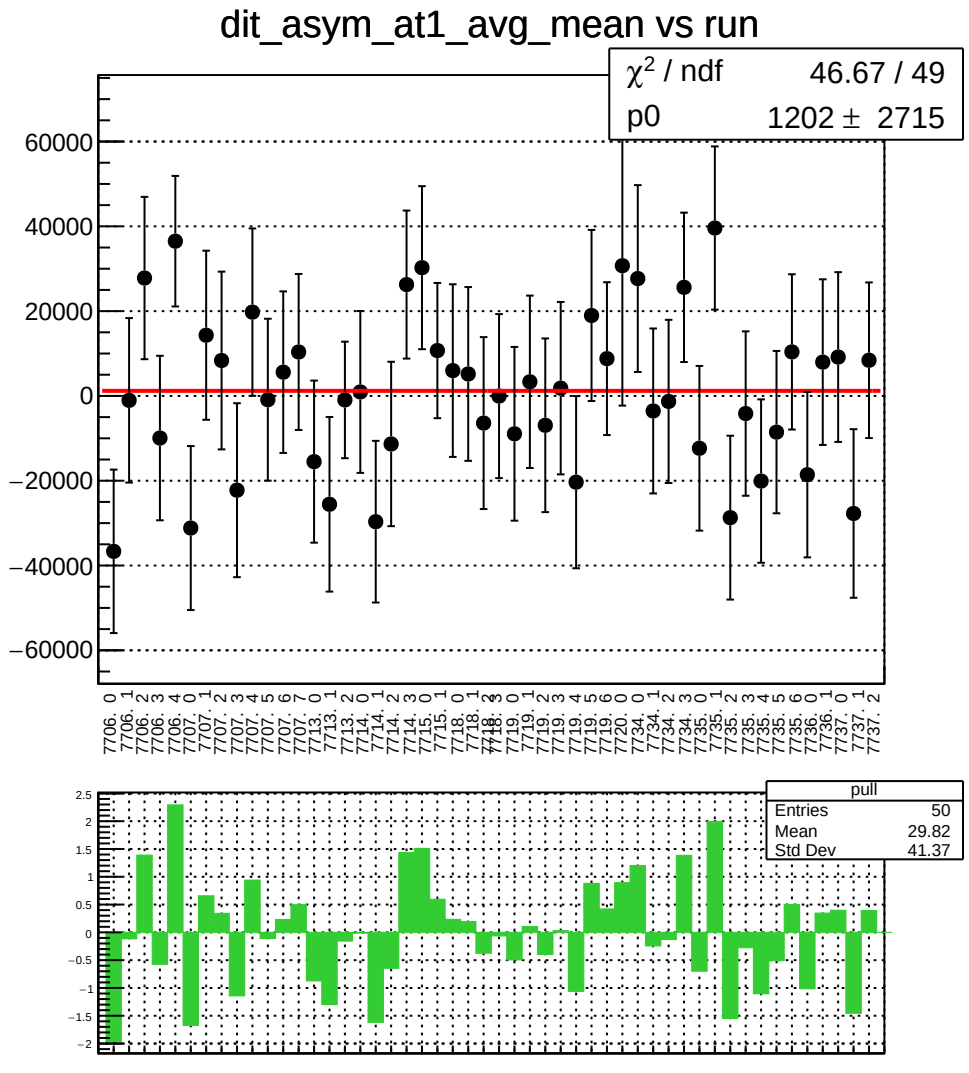

pull1D
Entries 50
Mean 0.02117
Std Dev 0.9335
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

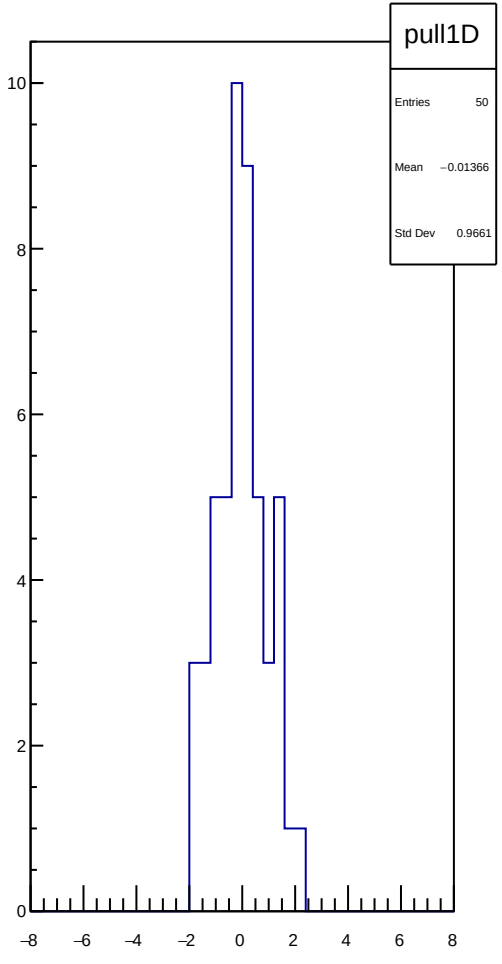

asym_usr_correction_rms vs run
χ² / ndf 7.34e+04 / 49
p0 2222 ± 2.375
6000
5000
4000
3000
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

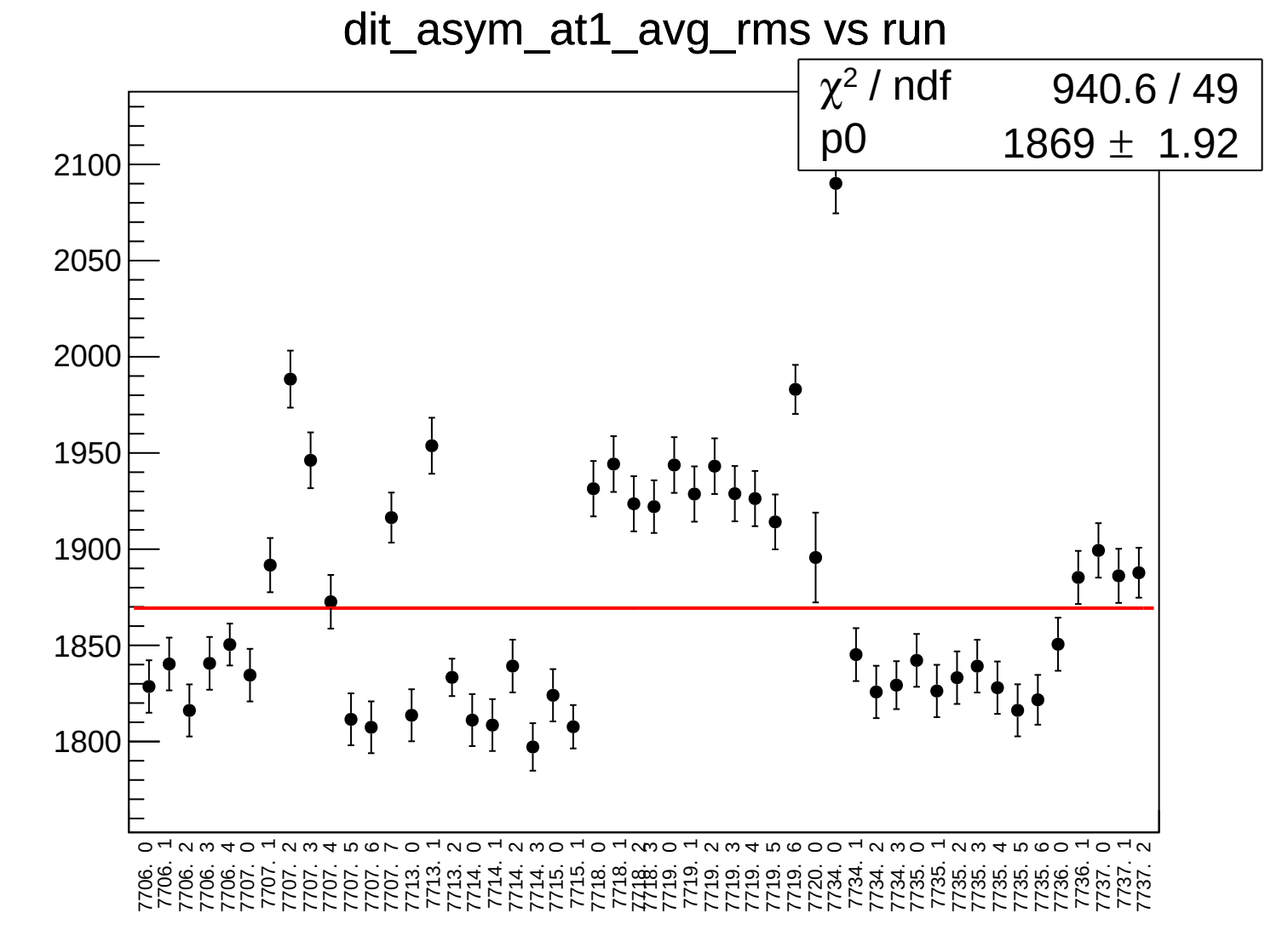

asym_usr_mean vs run
×10^3
χ² / ndf 43.28 / 49
p0 2177 ± 4601
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 241.4
Std Dev 220.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

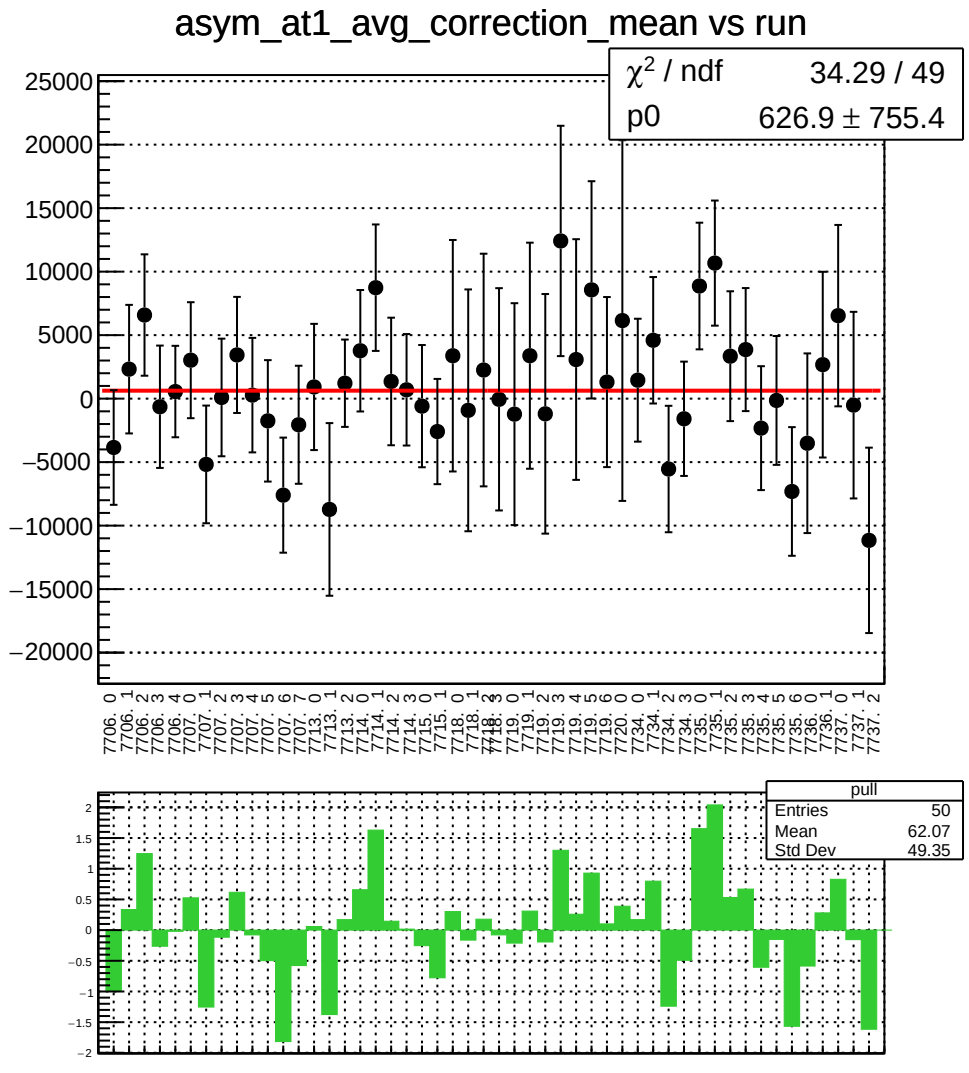

pull1D
Entries 50
Mean −0.01083
Std Dev 0.9304
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

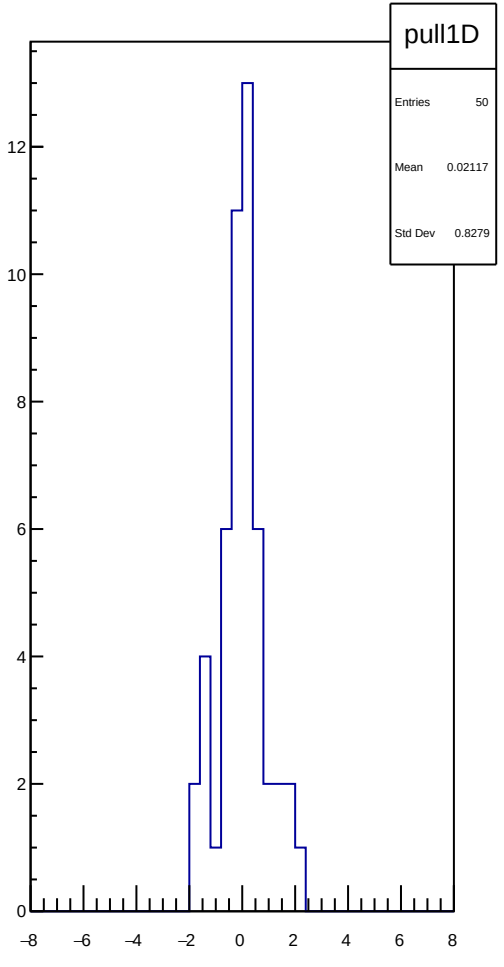

asym_usr_rms vs run
χ² / ndf 1.856e+04 / 49
p0 3138 ± 3.254
5500
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

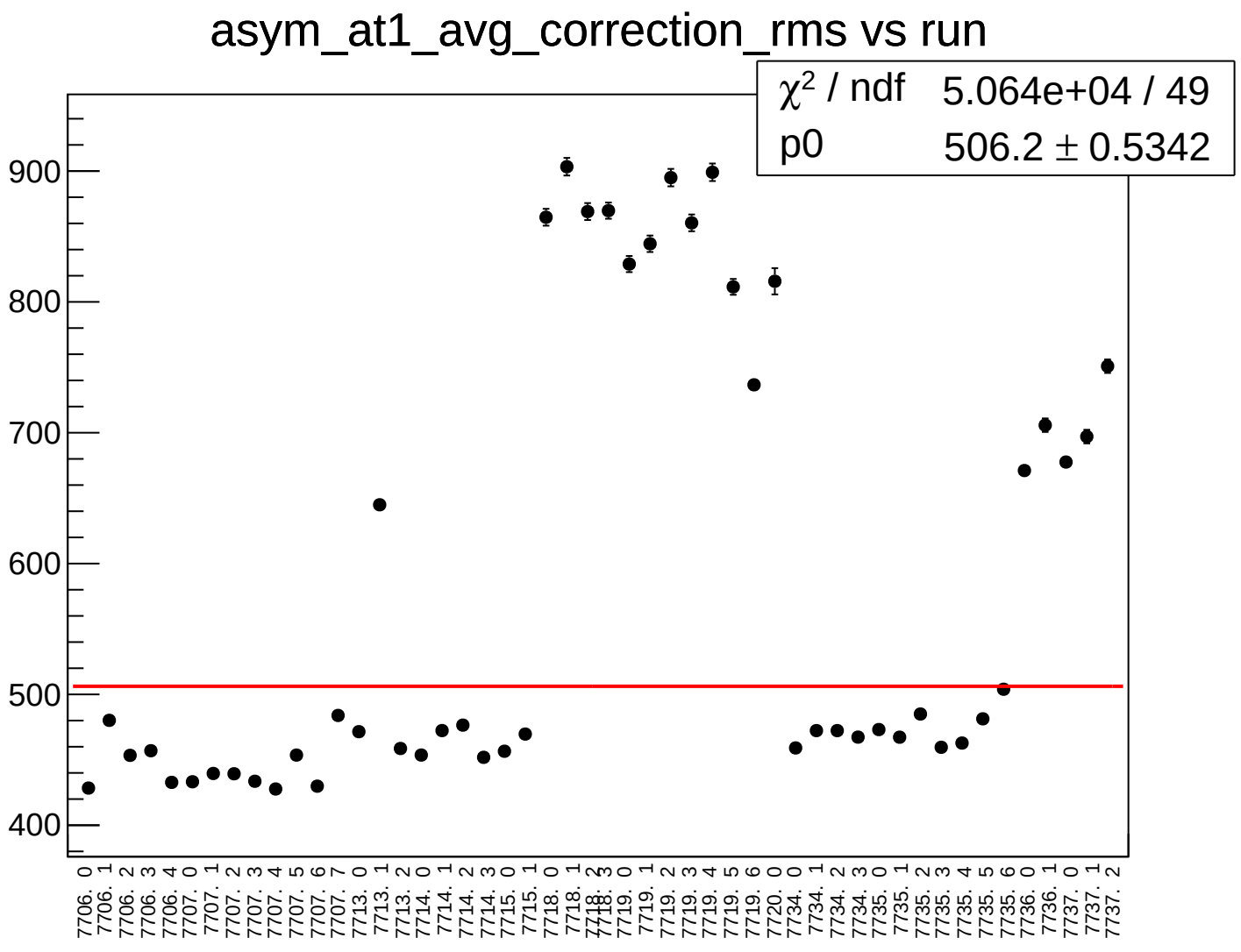

dit_asym_at1_avg_mean vs run
χ² / ndf 46.67 / 49
p0 1202 ± 2715
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 29.82
Std Dev 41.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

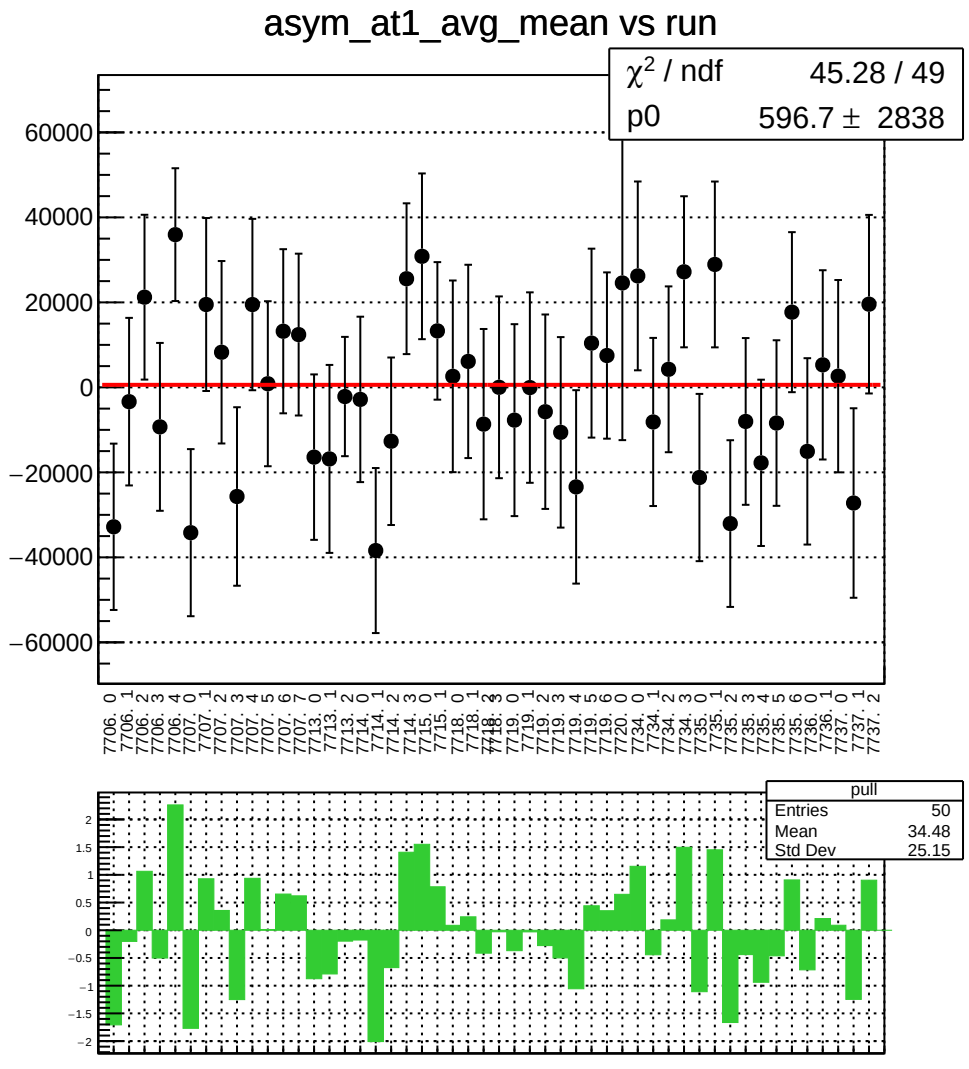

pull1D
Entries 50
Mean −0.01366
Std Dev 0.9661
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

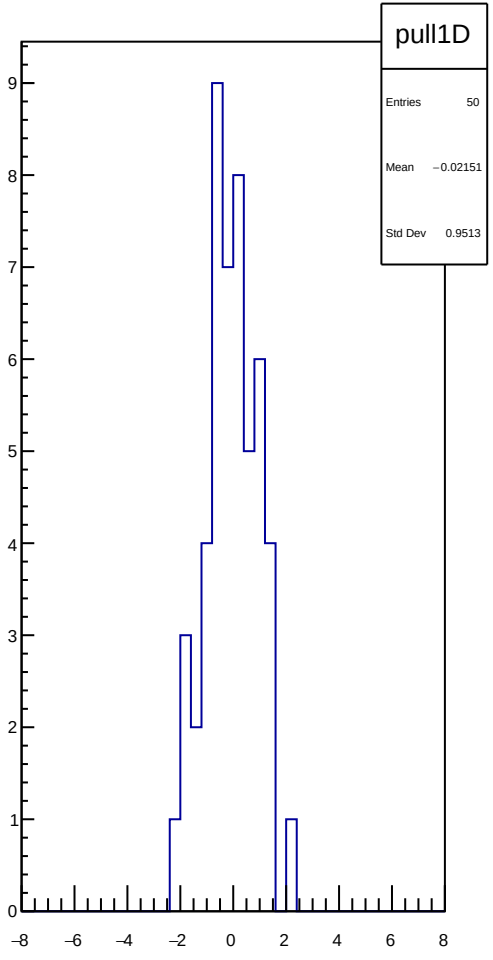

dit_asym_at1_avg_rms vs run
χ² / ndf 940.6 / 49
p0 1869 ± 1.92
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

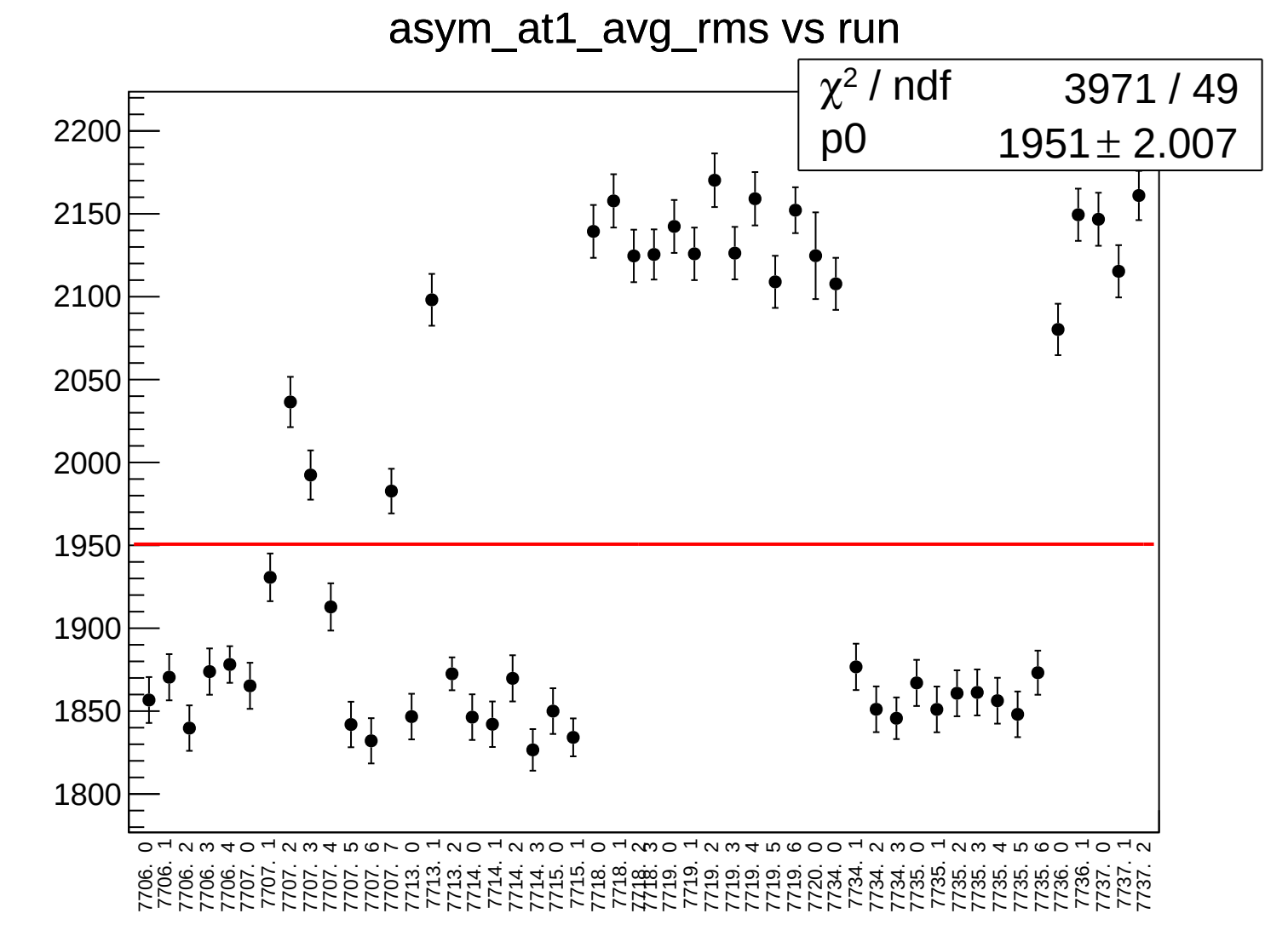

asym_at1_avg_correction_mean vs run
χ² / ndf 34.29 / 49
p0 626.9 ± 755.4
pull
Entries 50
Mean 62.07
Std Dev 49.35

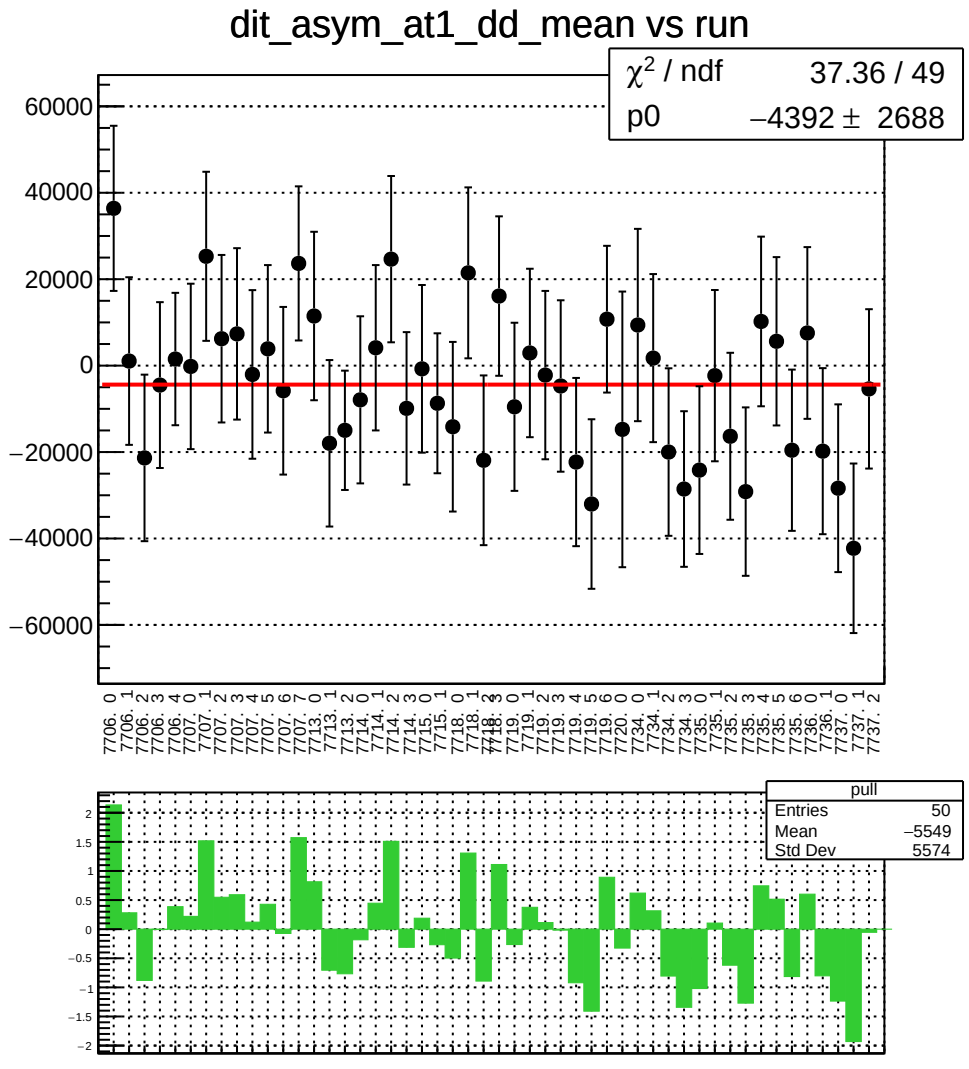

pull1D
Entries 50
Mean 0.02117
Std Dev 0.8279

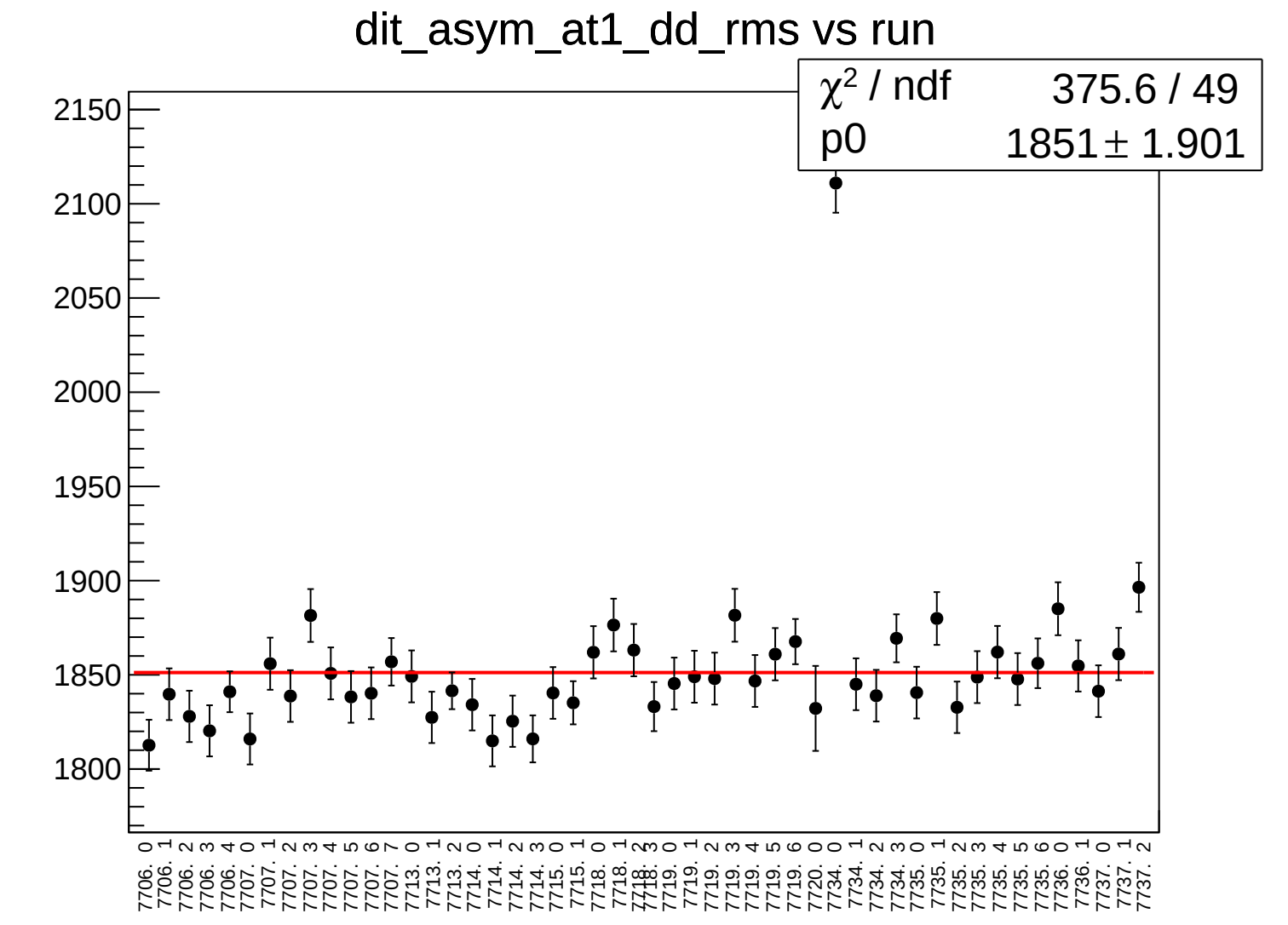

asym_at1_avg_correction_rms vs run
χ² / ndf 5.064e+04 / 49
p0 506.2 ± 0.5342
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

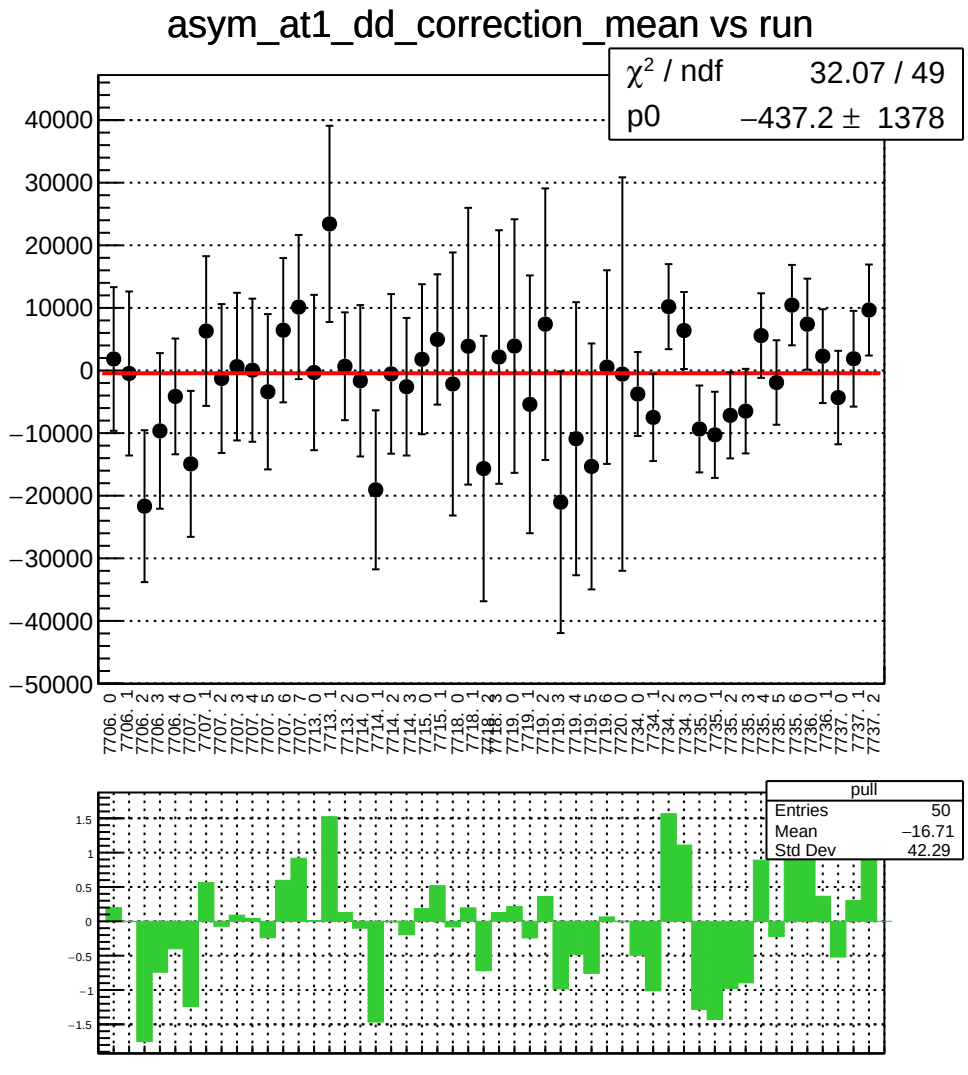

asym_at1_avg_mean vs run
χ² / ndf 45.28 / 49
p0 596.7 ± 2838
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 34.48
Std Dev 25.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

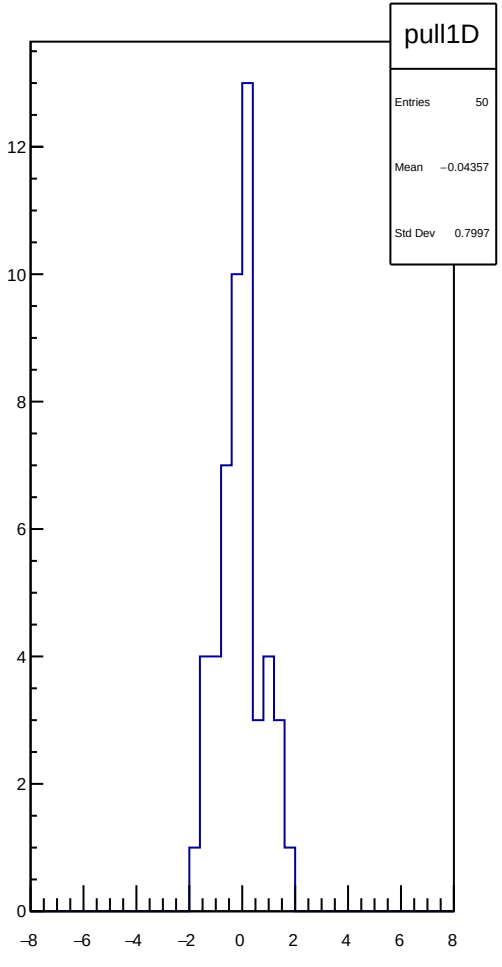

pull1D
Entries 50
Mean −0.02151
Std Dev 0.9513
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

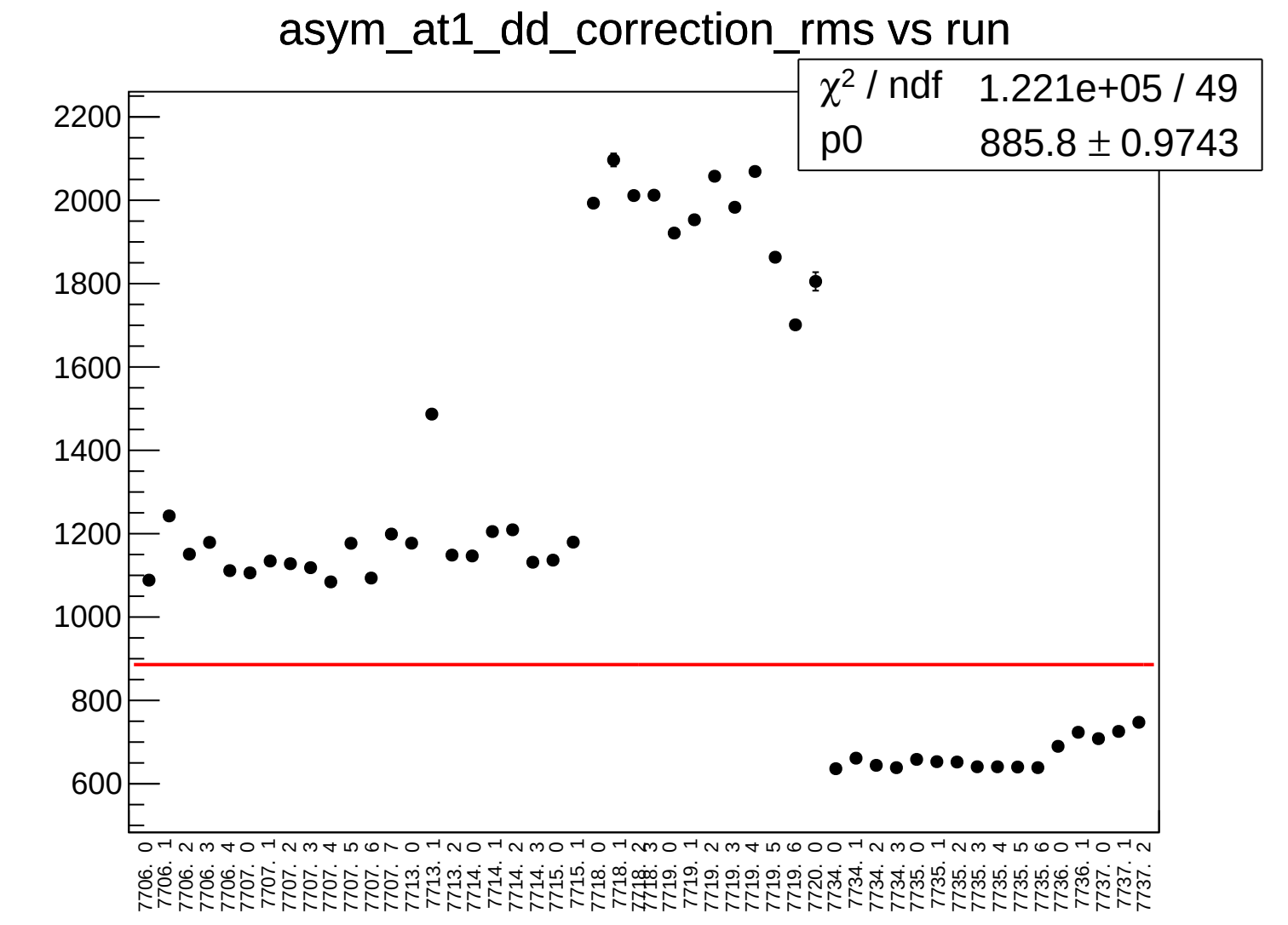

asym_at1_avg_rms vs run
χ² / ndf 3971 / 49
p0 1951 ± 2.007
2200
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

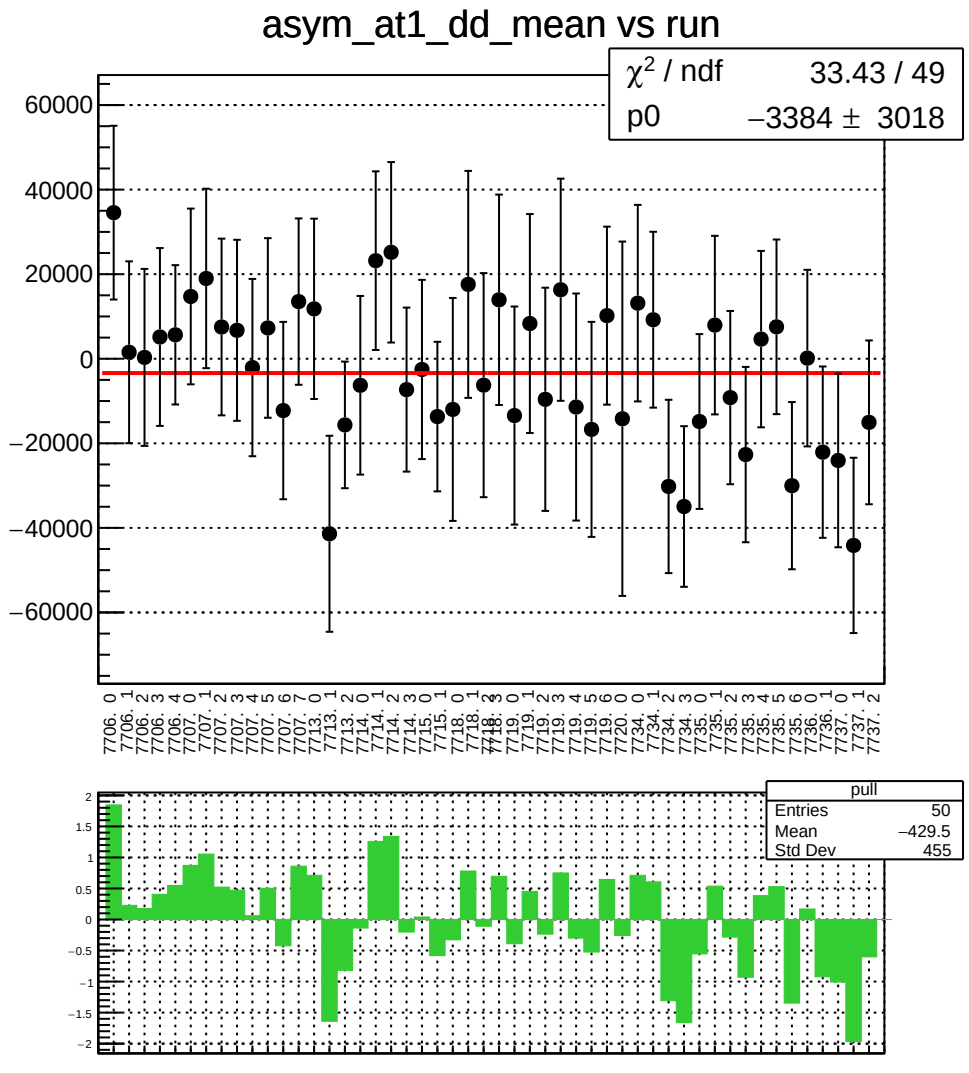

dit_asym_at1_dd_mean vs run
χ² / ndf 37.36 / 49
p0 −4392 ± 2688
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −5549
Std Dev 5574
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.0009736
Std Dev 0.8644
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

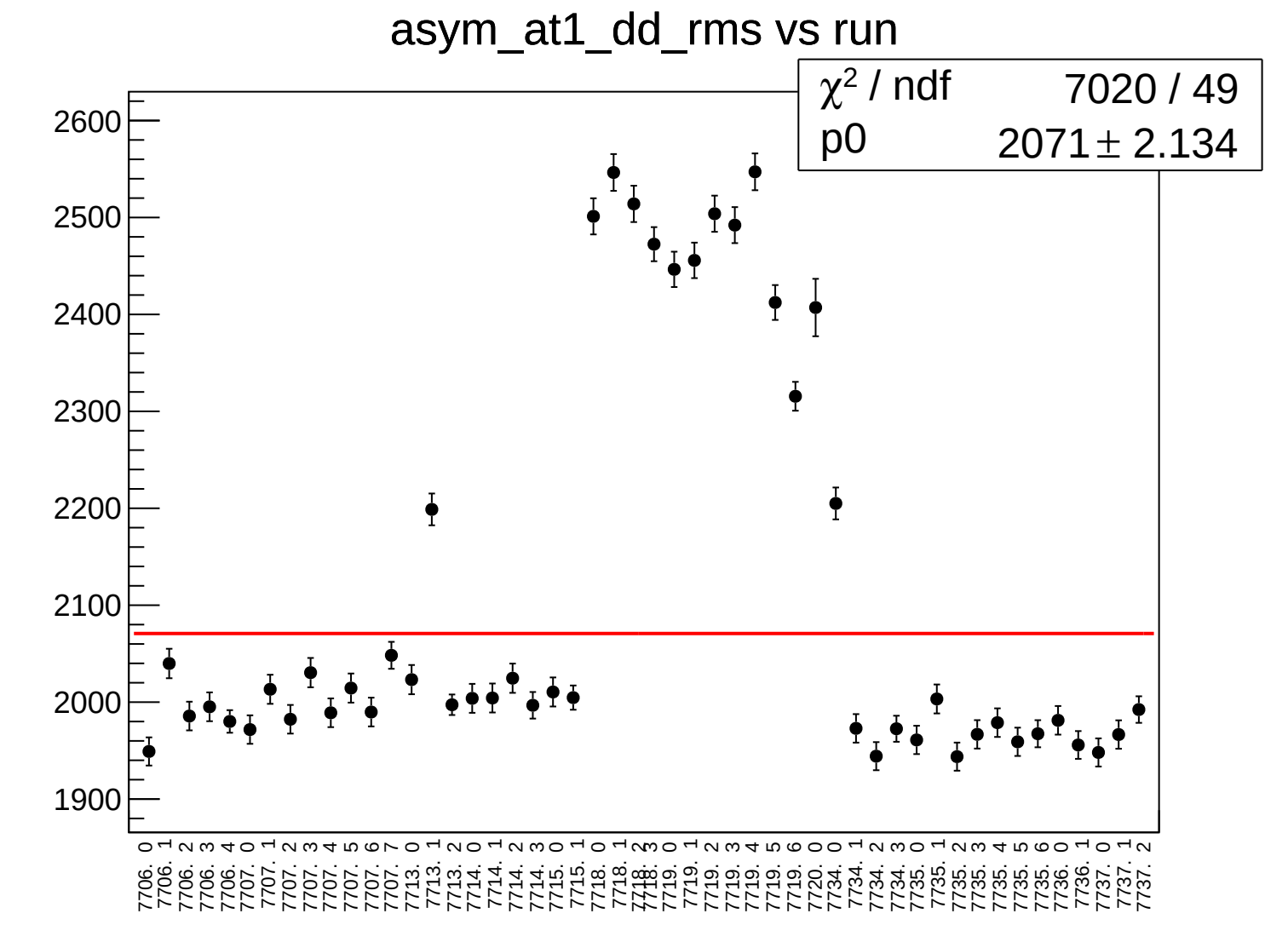

dit_asym_at1_dd_rms vs run
χ² / ndf 375.6 / 49
p0 1851 ± 1.901
2150
2100
2050
2000
1950
1900
1850
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

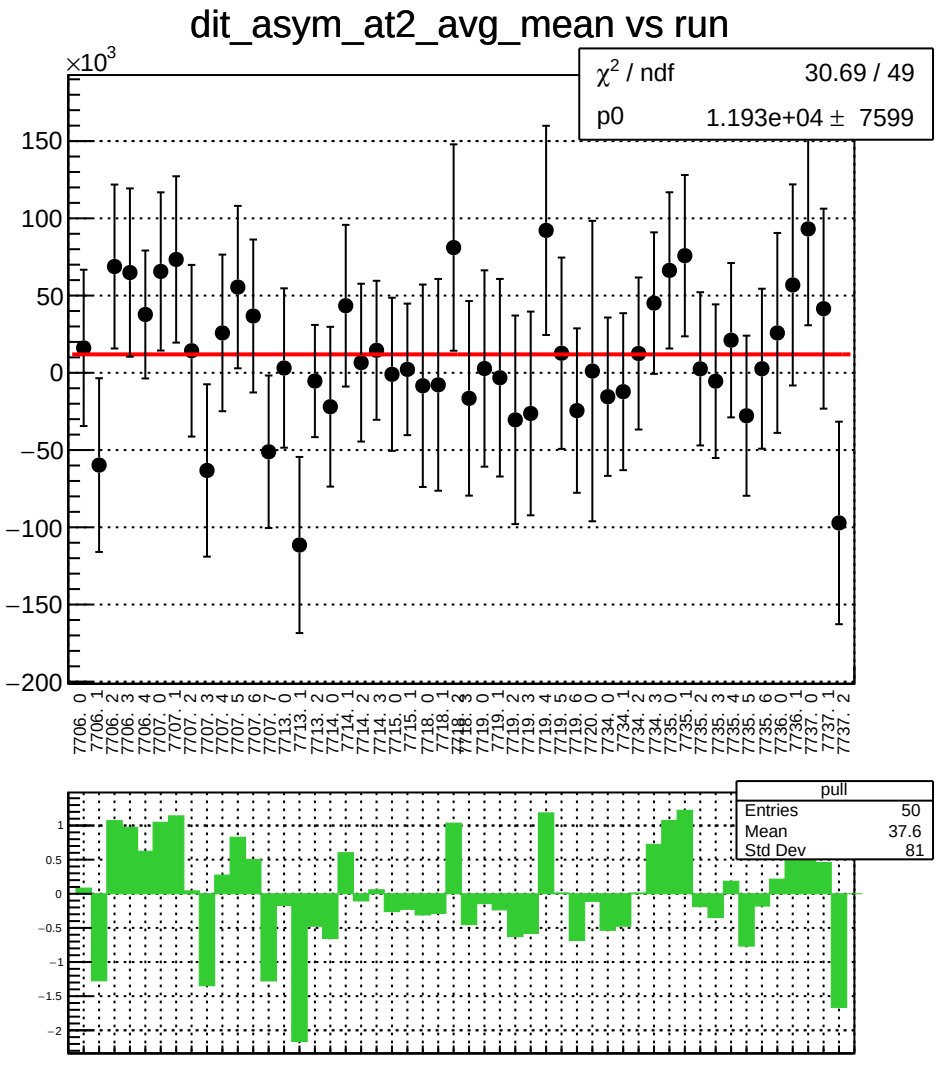

asym_at1_dd_correction_mean vs run
χ² / ndf 32.07 / 49
p0 −437.2 ± 1378
pull
Entries 50
Mean −16.71
Std Dev 42.29

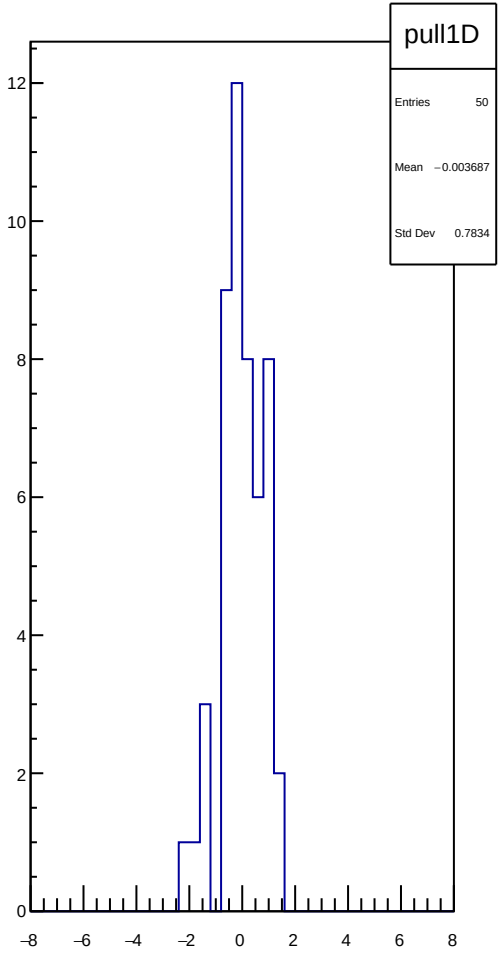

pull1D
Entries 50
Mean −0.04357
Std Dev 0.7997

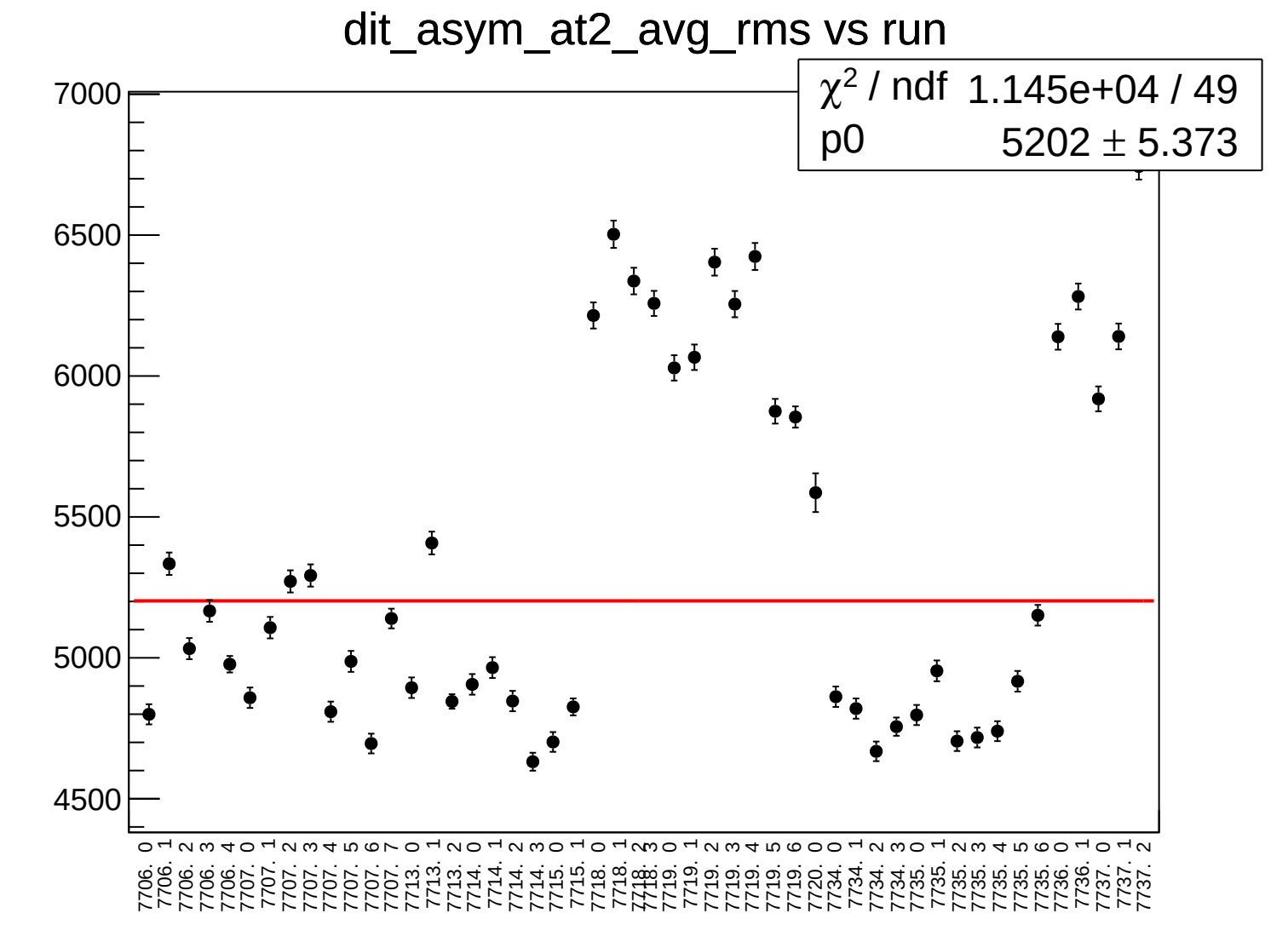

asym_at1_dd_correction_rms vs run
χ² / ndf 1.221e+05 / 49
p0 885.8 ± 0.9743
2200
2000
1800
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

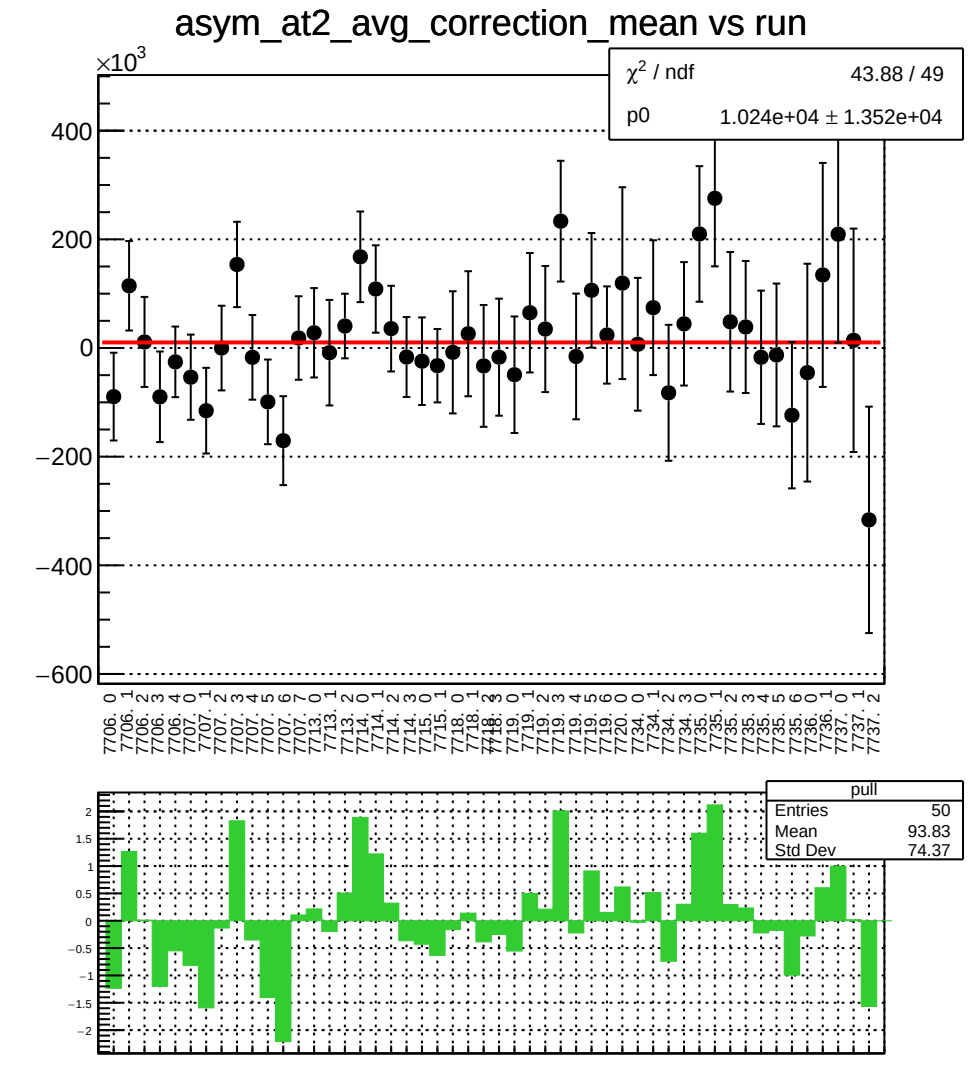

asym_at1_dd_mean vs run
χ² / ndf 33.43 / 49
p0 −3384 ± 3018
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −429.5
Std Dev 455
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01274
Std Dev 0.8175
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

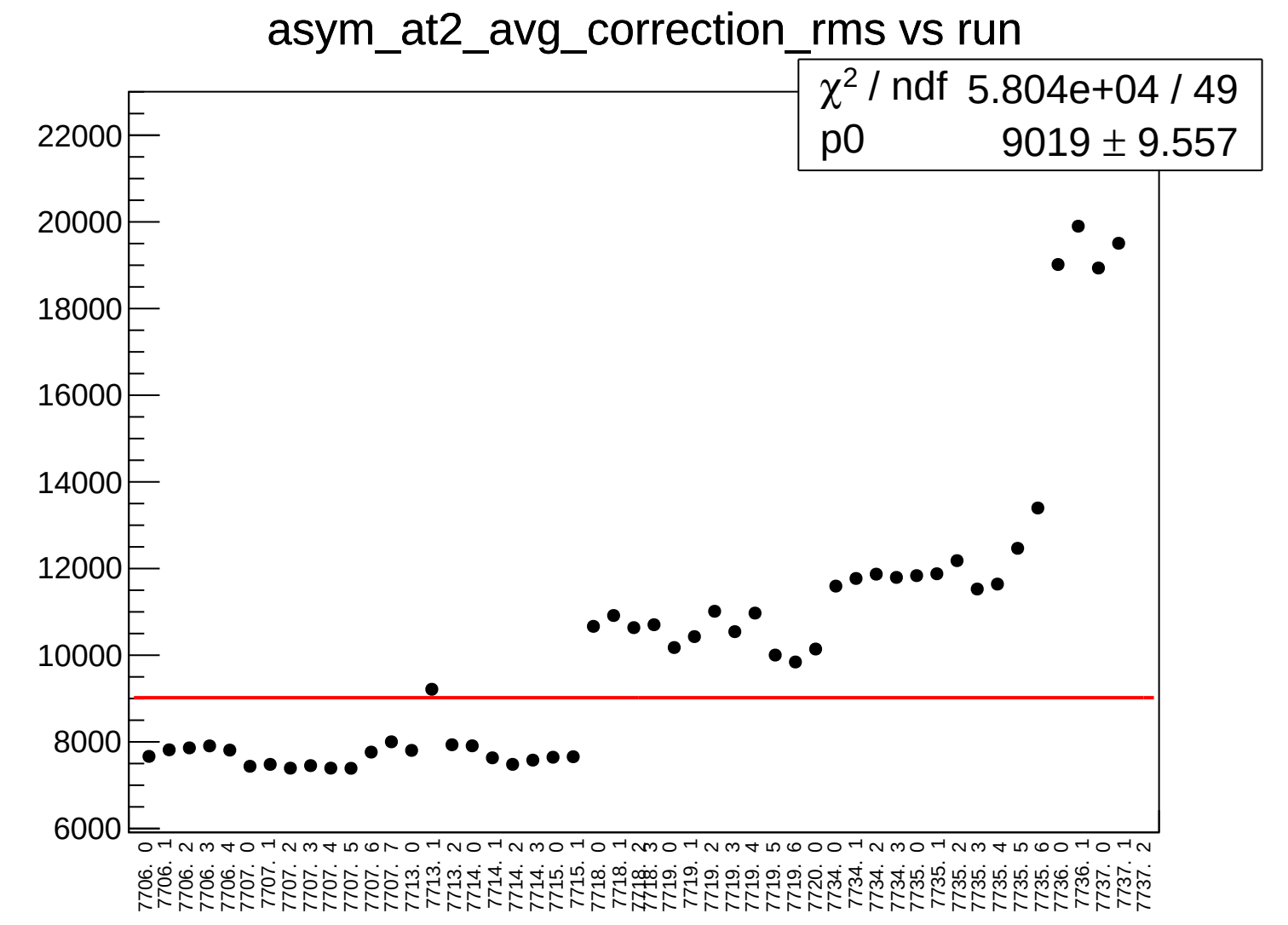

asym_at1_dd_rms vs run
χ² / ndf 7020 / 49
p0 2071 ± 2.134
2600
2500
2400
2300
2200
2100
2000
1900
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

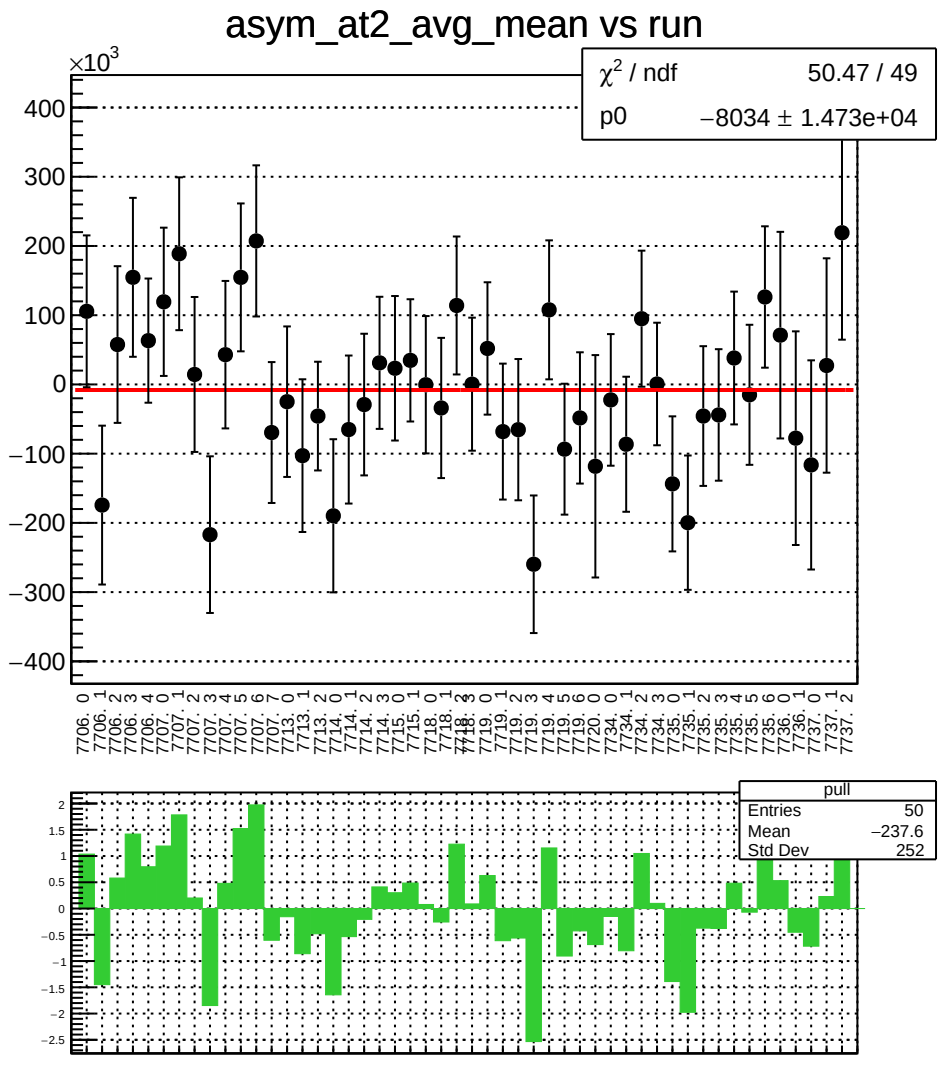

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 30.69 / 49
p0 1.193e+04 ± 7599
150
100
50
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 37.6
Std Dev 81
1
0.5
0
−0.5
−1
−1.5
−2

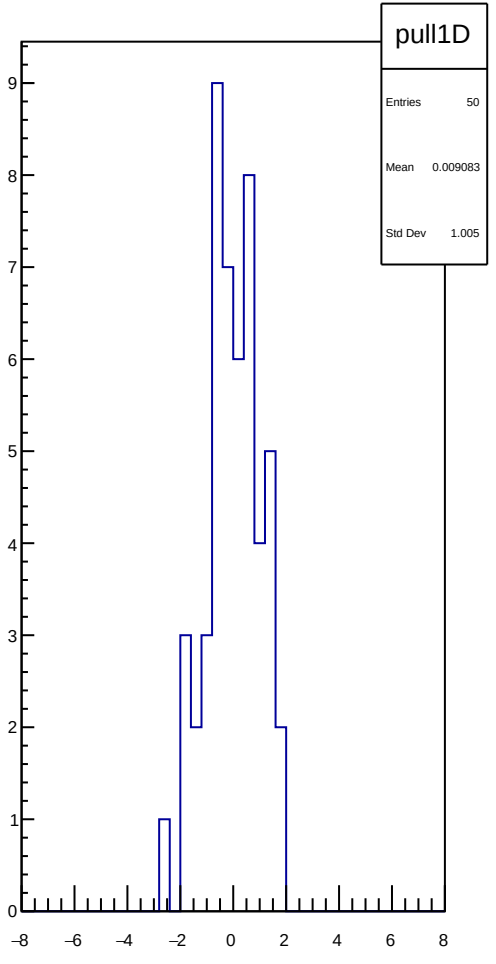

pull1D
Entries 50
Mean −0.003687
Std Dev 0.7834
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

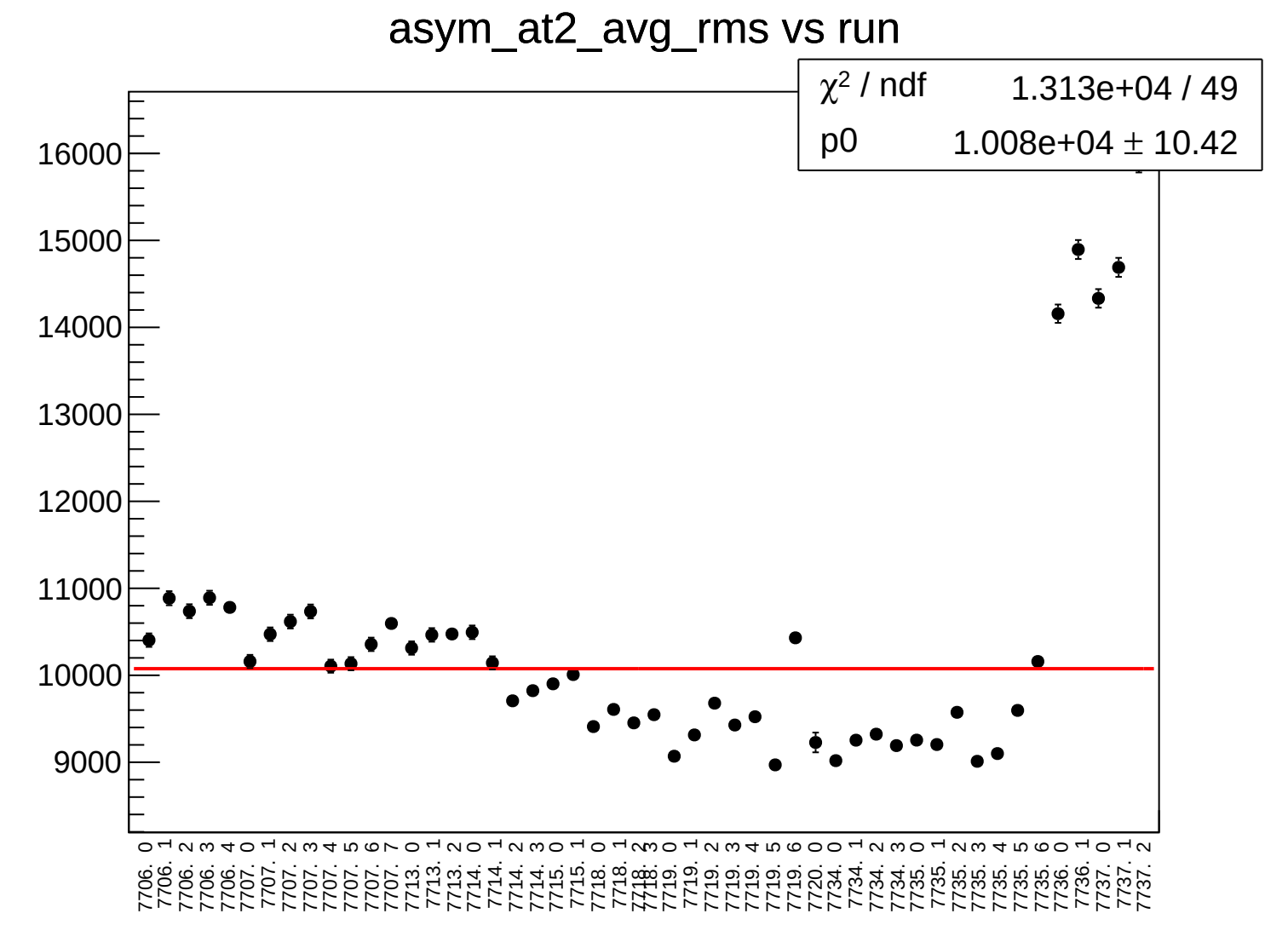

dit_asym_at2_avg_rms vs run
χ² / ndf 1.145e+04 / 49
p0 5202 ± 5.373
7000
6500
6000
5500
5000
4500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

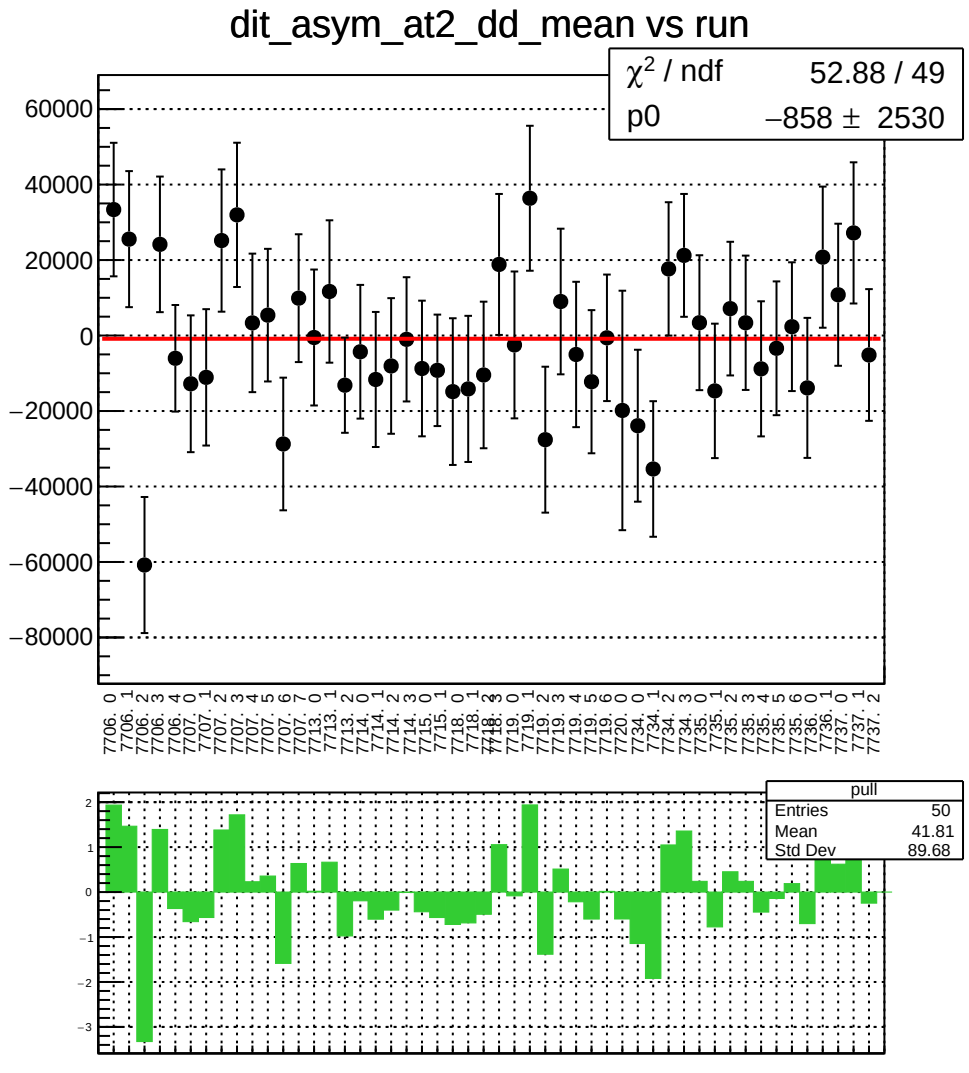

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 43.88 / 49
p0 1.024e+04 ± 1.352e+04
400
200
0
−200
−400
−600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 93.83
Std Dev 74.37
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.03799
Std Dev 0.9361
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

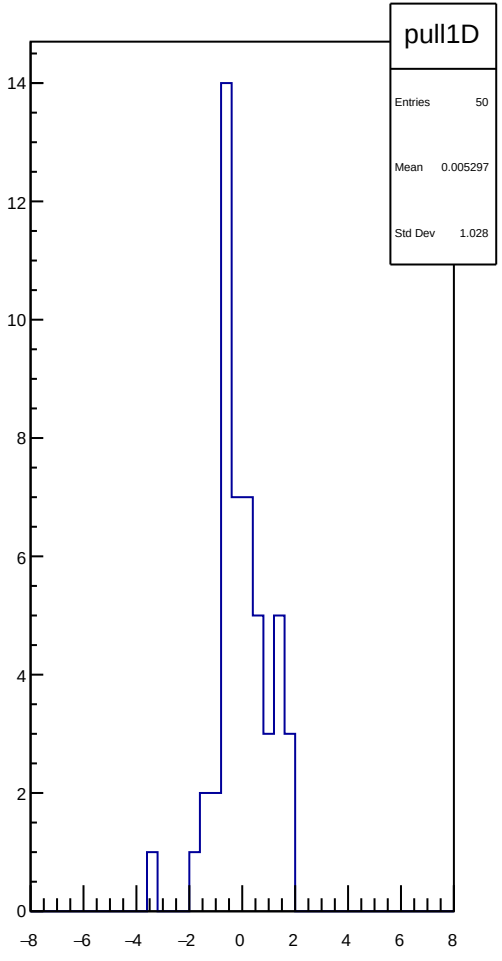

asym_at2_avg_correction_rms vs run
χ² / ndf 5.804e+04 / 49
p0 9019 ± 9.557
22000
20000
18000
16000
14000
12000
10000
8000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

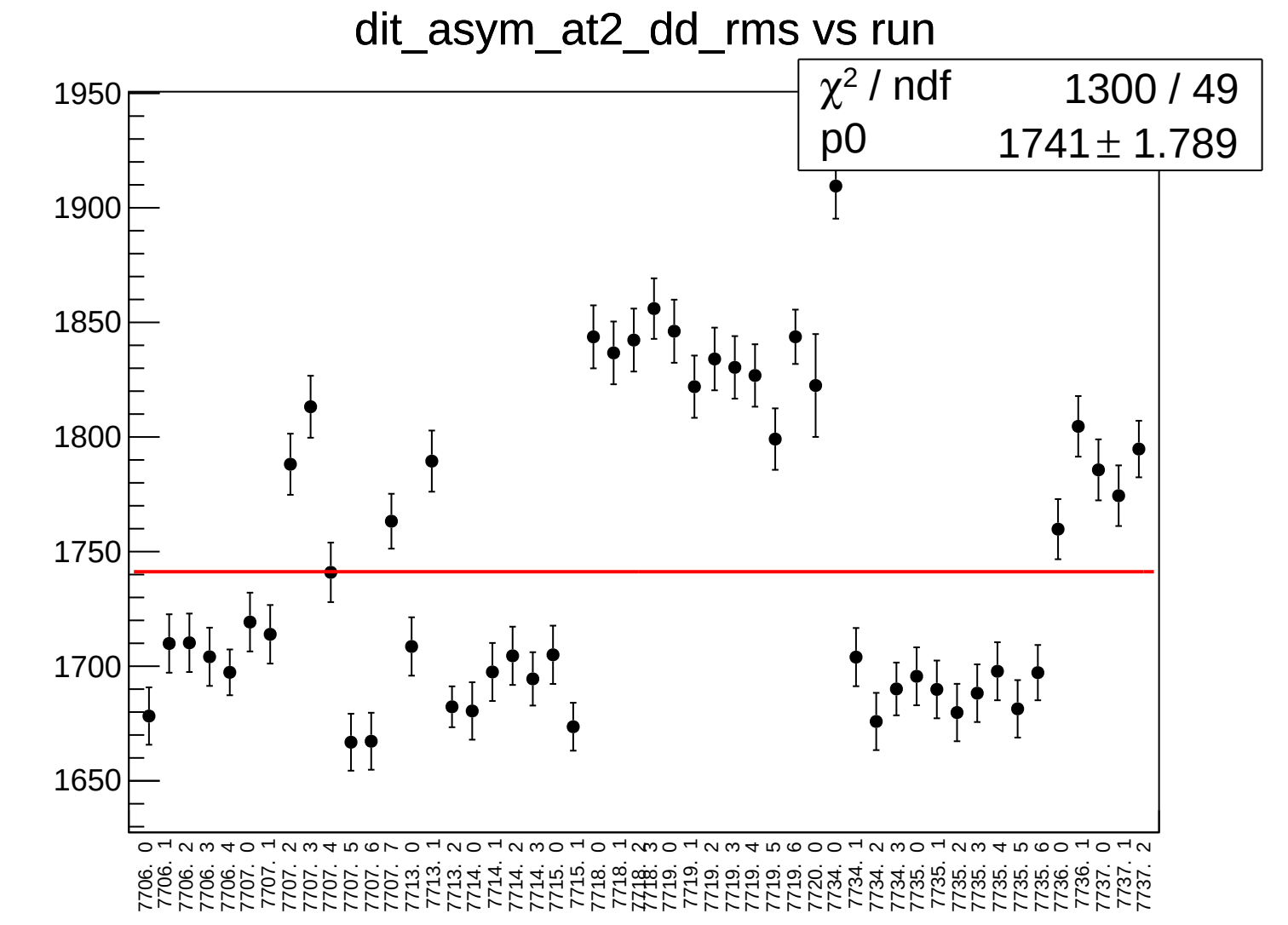

asym_at2_avg_mean vs run
×10^3
χ² / ndf 50.47 / 49
p0 −8034 ± 1.473e+04
pull
Entries 50
Mean −237.6
Std Dev 252

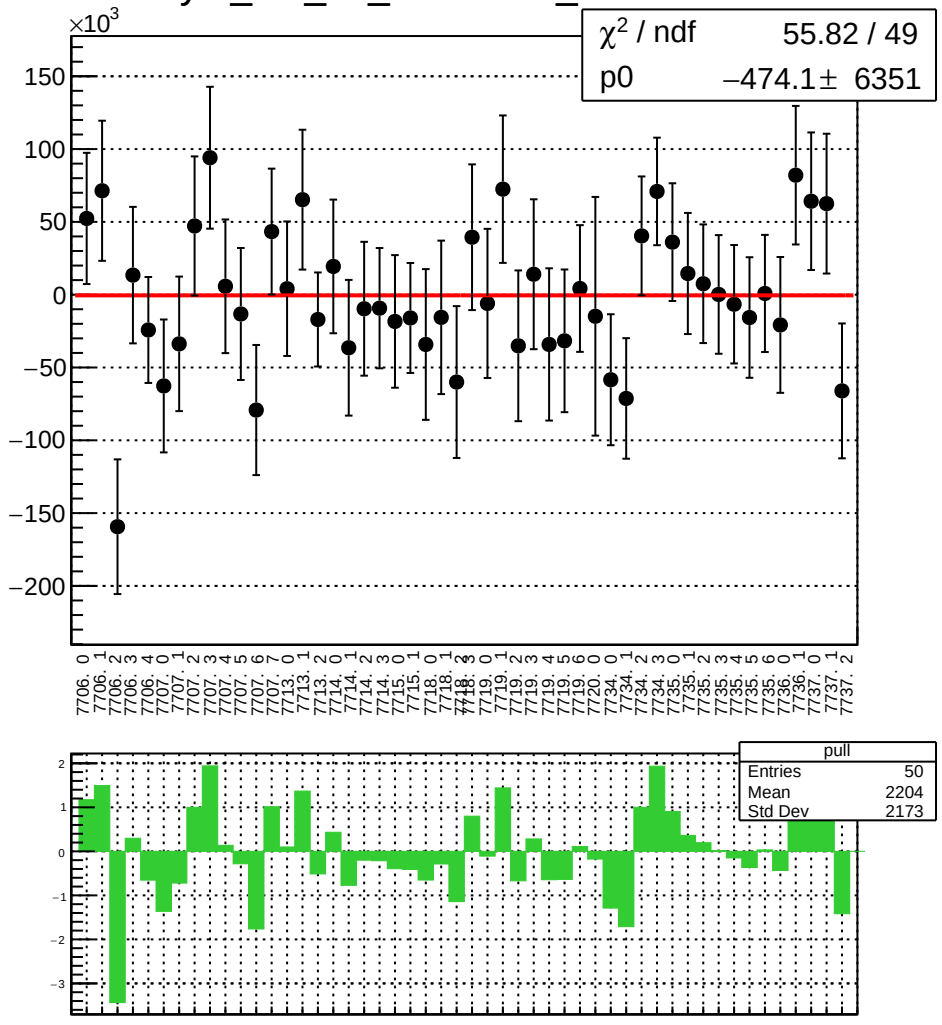

pull1D
Entries 50
Mean 0.009083
Std Dev 1.005

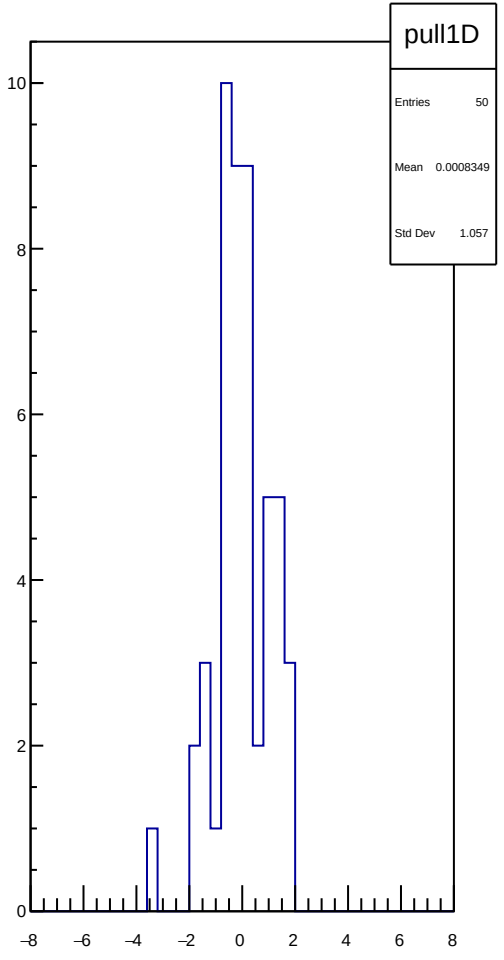

asym_at2_avg_rms vs run
χ² / ndf 1.313e+04 / 49
p0 1.008e+04 ± 10.42
16000
15000
14000
13000
12000
11000
10000
9000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

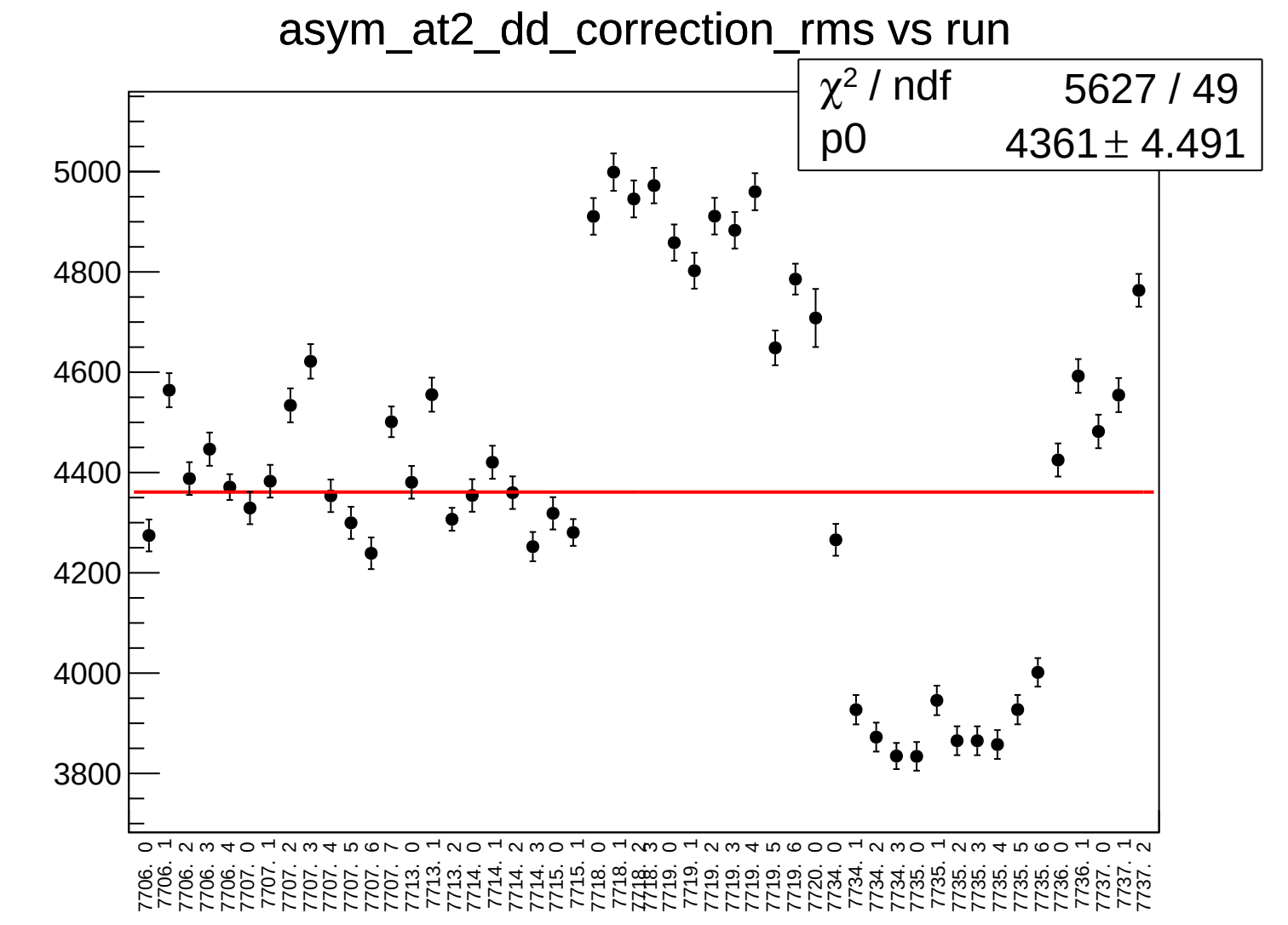

dit_asym_at2_dd_mean vs run
χ² / ndf 52.88 / 49
p0 −858 ± 2530
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 41.81
Std Dev 89.68
2
1
0
−1
−2
−3

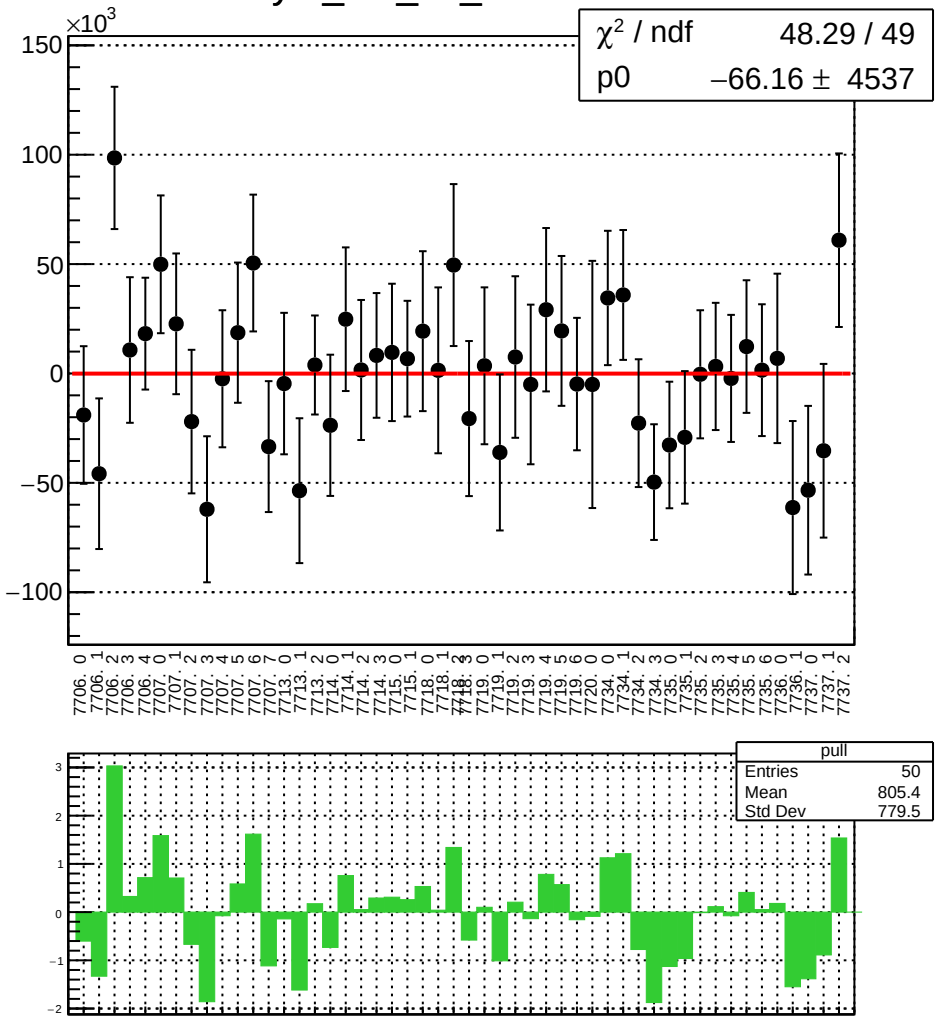

pull1D
Entries 50
Mean 0.005297
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

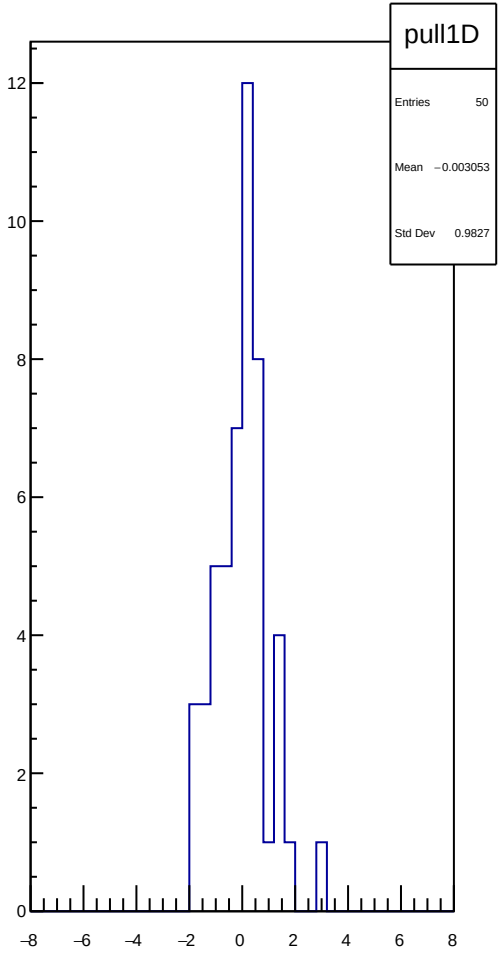

dit_asym_at2_dd_rms vs run
χ² / ndf 1300 / 49
p0 1741 ± 1.789
1950
1900
1850
1800
1750
1700
1650
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

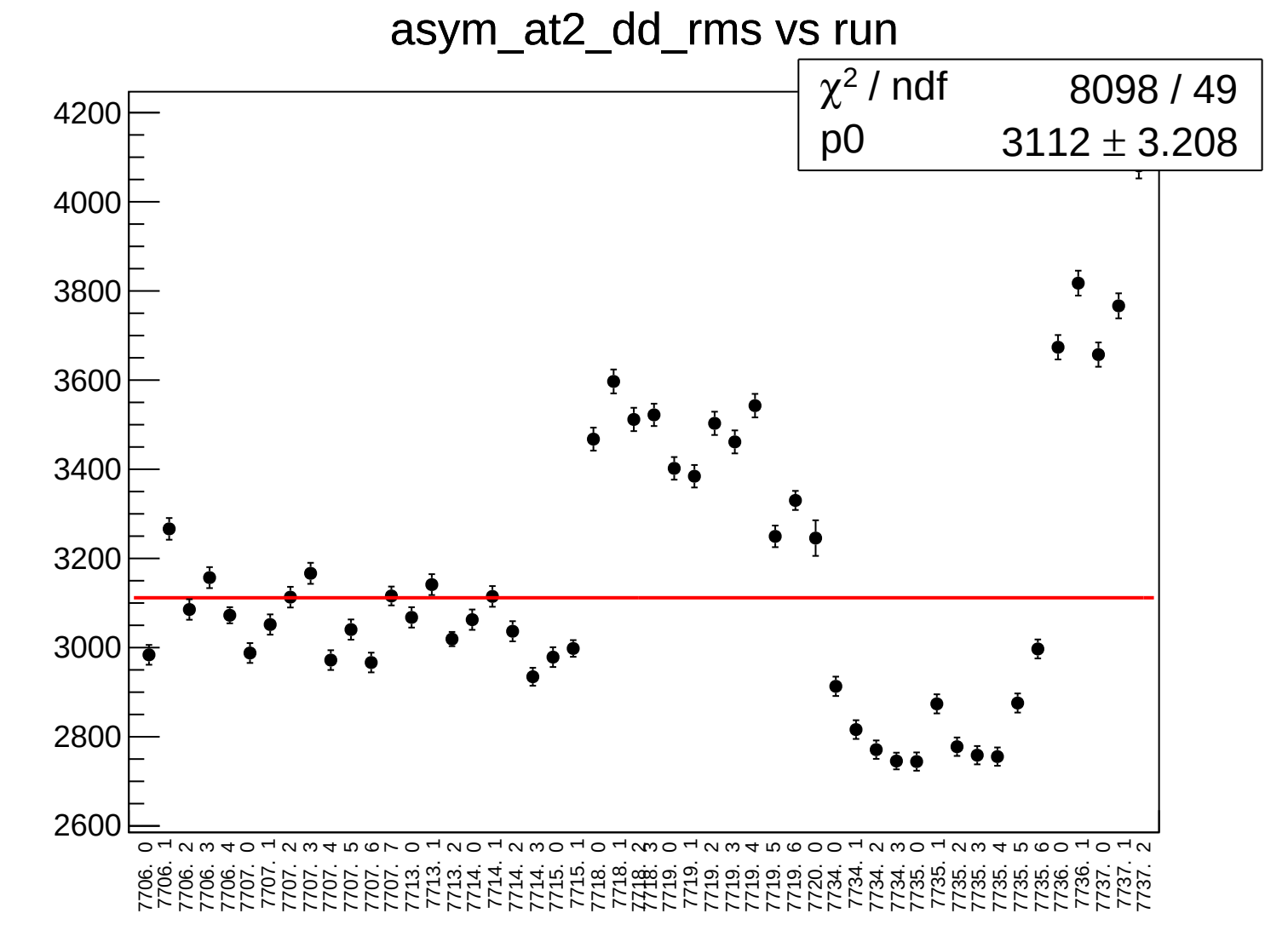

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 55.82 / 49
p0 −474.1± 6351
150
100
50
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 2204
Std Dev 2173
2
1
0
−1
−2
−3

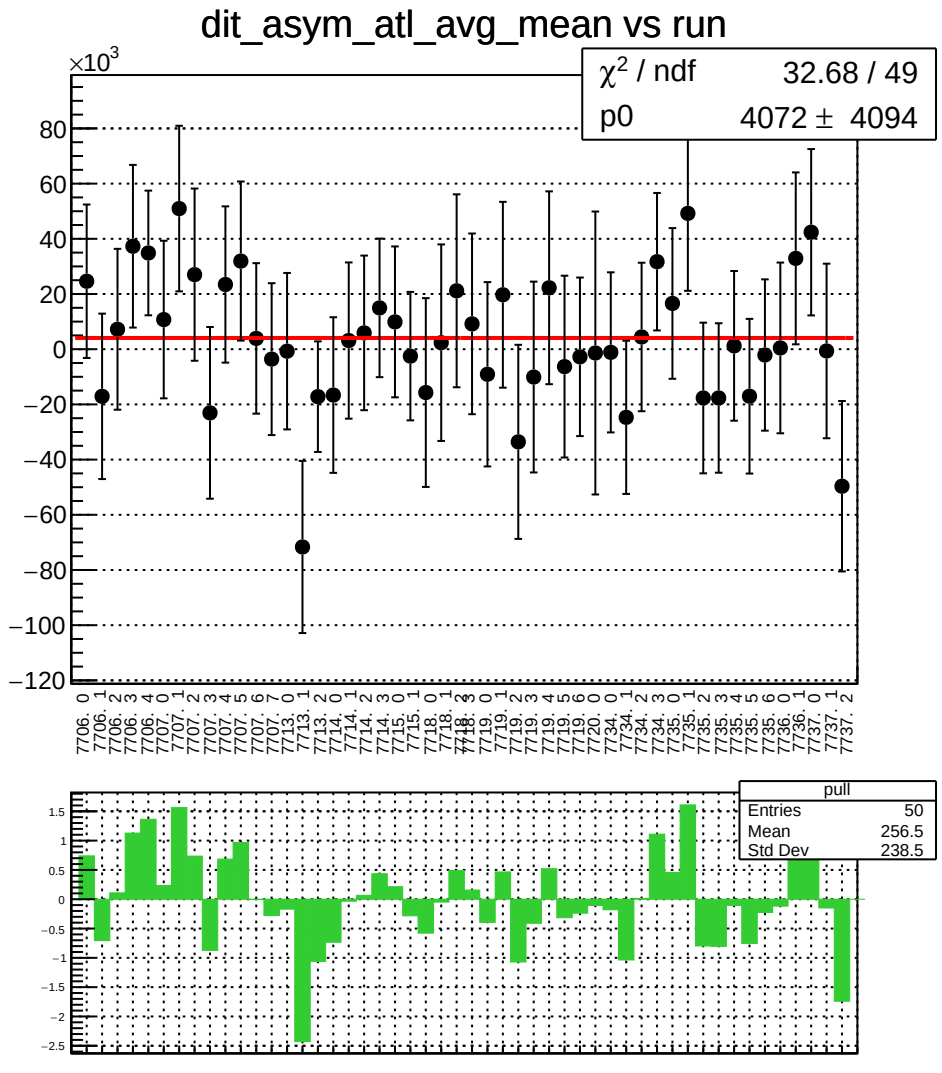

pull1D
Entries 50
Mean 0.0008349
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

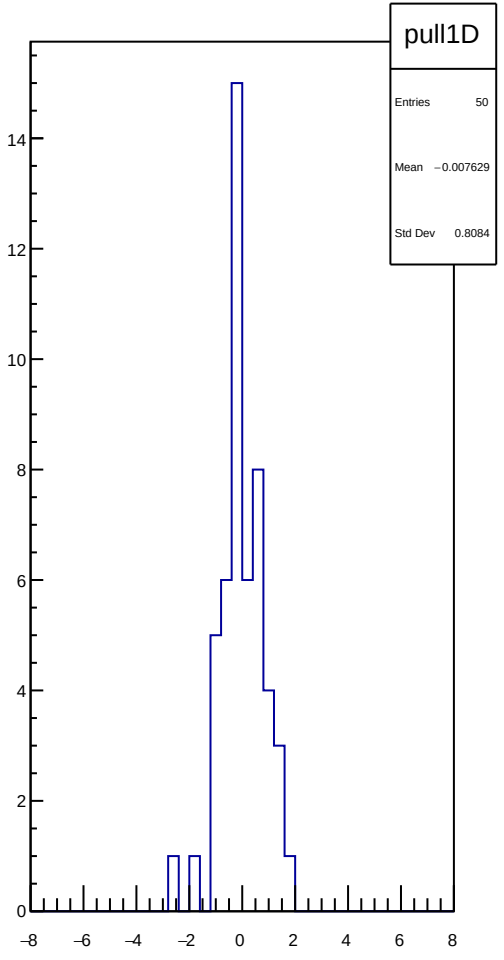

asym_at2_dd_correction_rms vs run
χ² / ndf 5627 / 49
p0 4361 ± 4.491
5000
4800
4600
4400
4200
4000
3800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

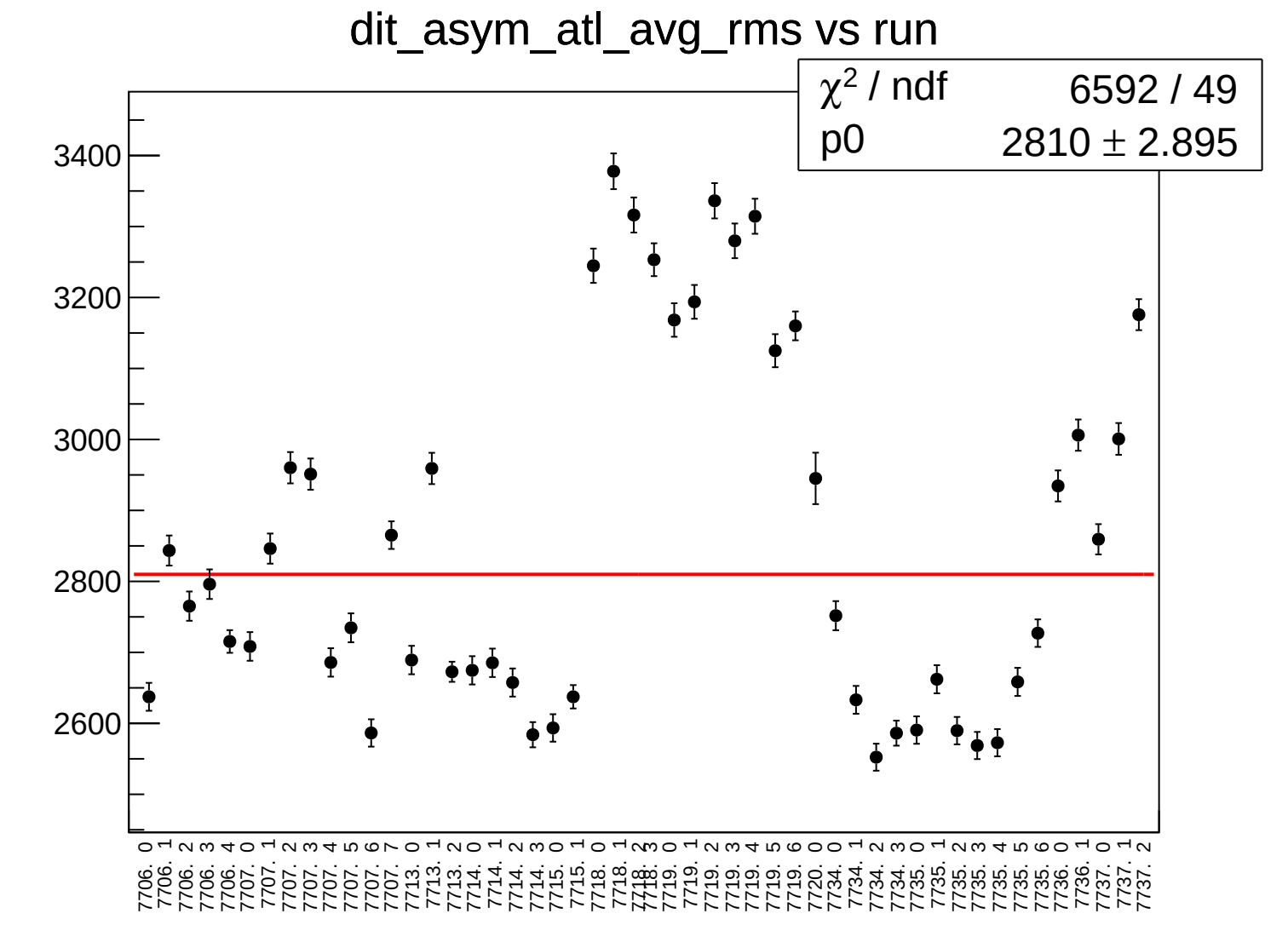

asym_at2_dd_mean vs run
×10^3
χ² / ndf 48.29 / 49
p0 −66.16 ± 4537
pull
Entries 50
Mean 805.4
Std Dev 779.5

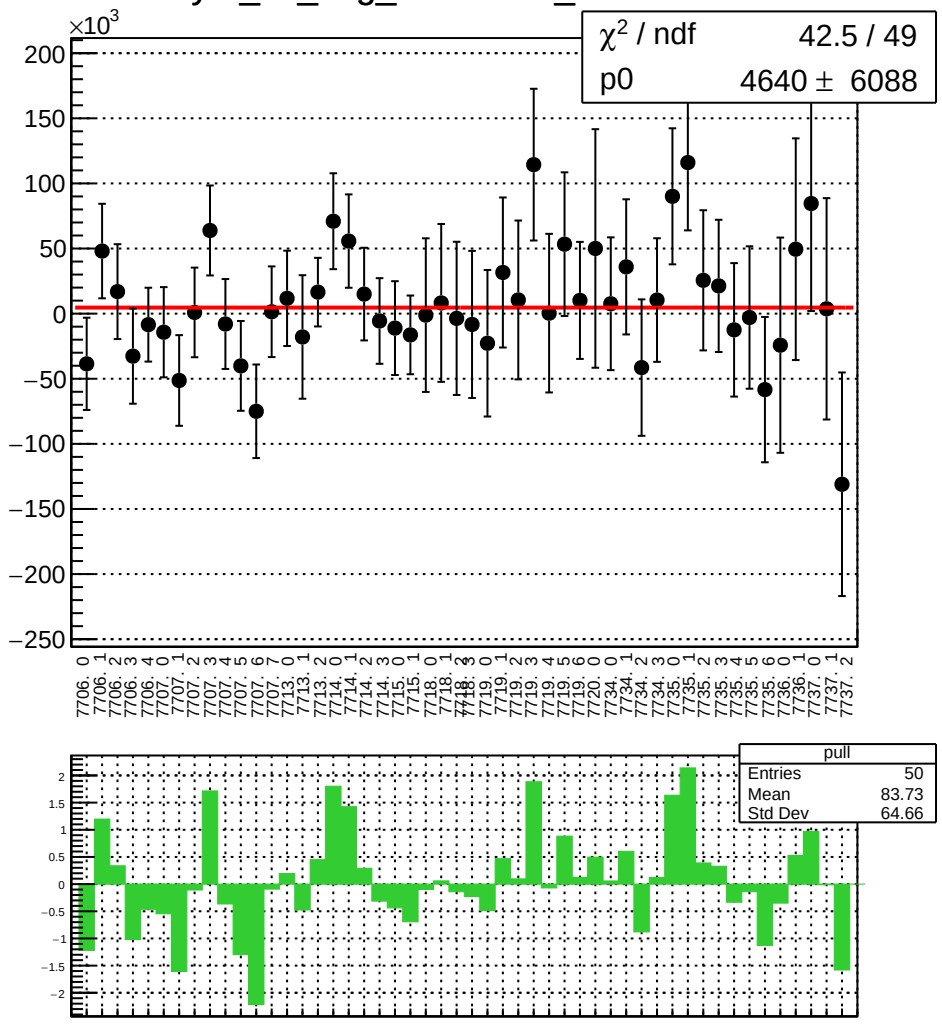

pull1D
Entries 50
Mean −0.003053
Std Dev 0.9827

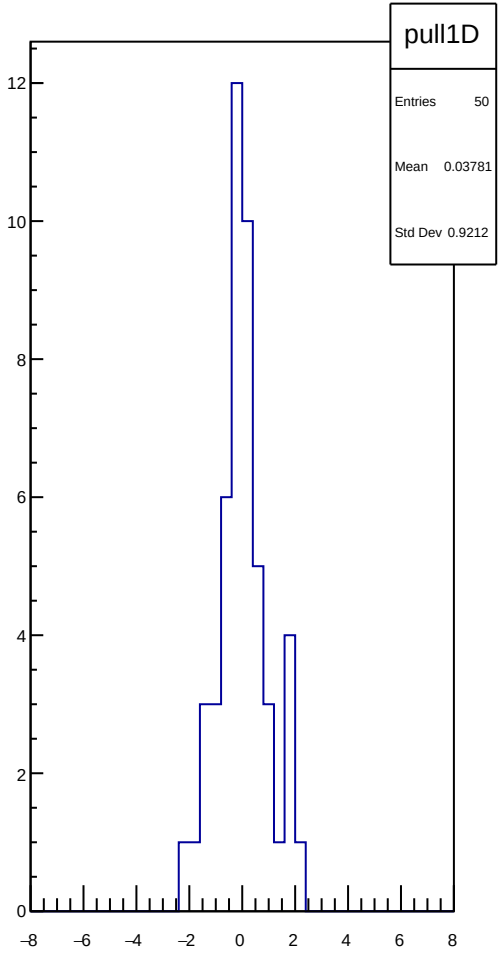

asym_at2_dd_rms vs run
χ² / ndf 8098 / 49
p0 3112 ± 3.208
4200
4000
3800
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

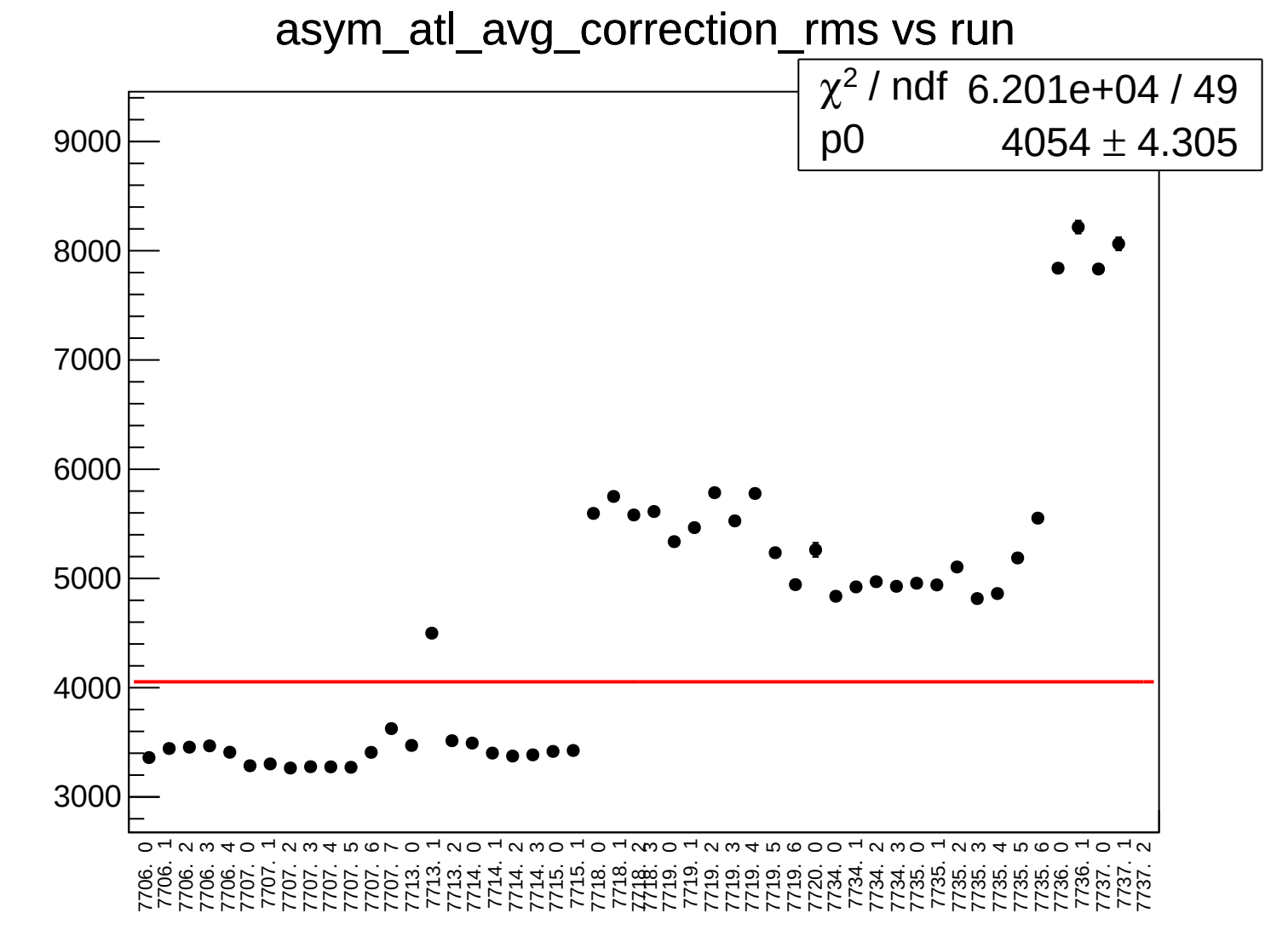

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 32.68 / 49
p0 4072 ± 4094
pull
Entries 50
Mean 256.5
Std Dev 238.5

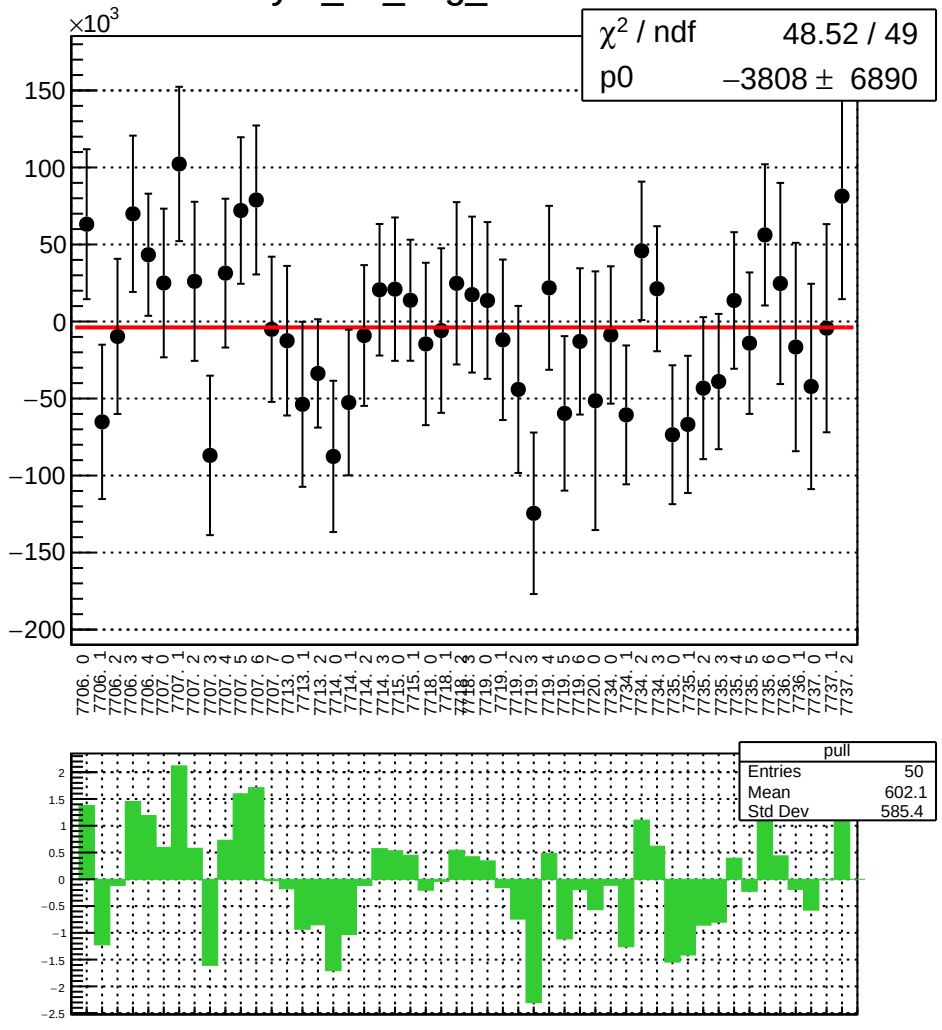

pull1D
Entries 50
Mean −0.007629
Std Dev 0.8084

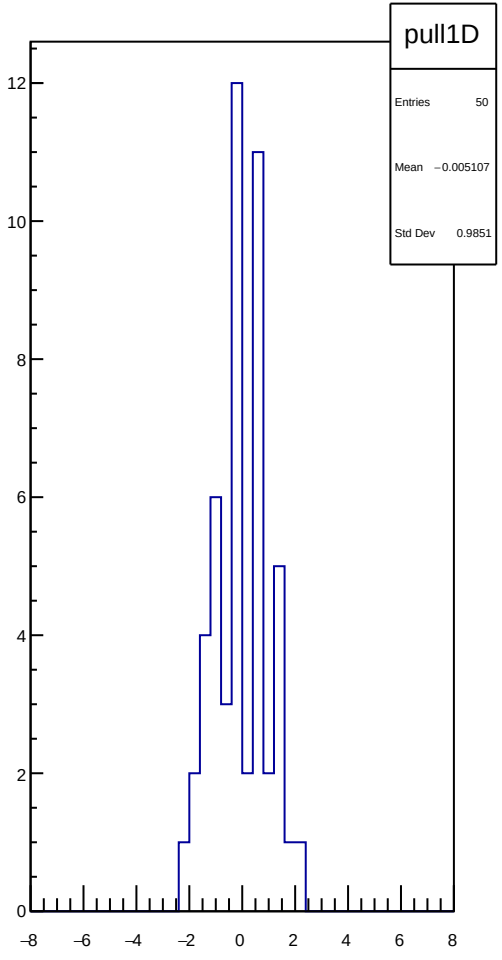

dit_asym_atl_avg_rms vs run
χ² / ndf 6592 / 49
p0 2810 ± 2.895
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

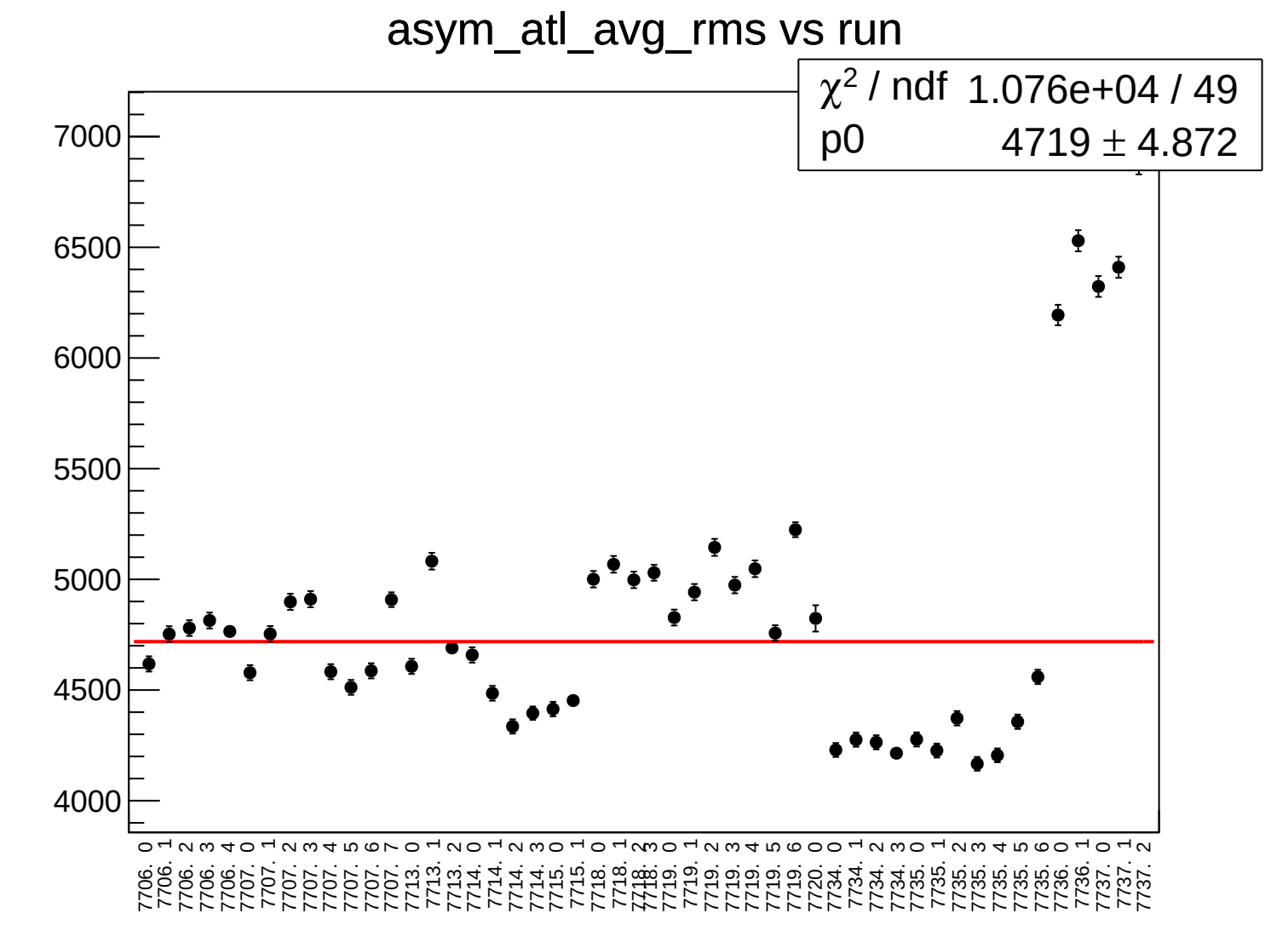

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 42.5 / 49
p0 4640 ± 6088
pull
Entries 50
Mean 83.73
Std Dev 64.66

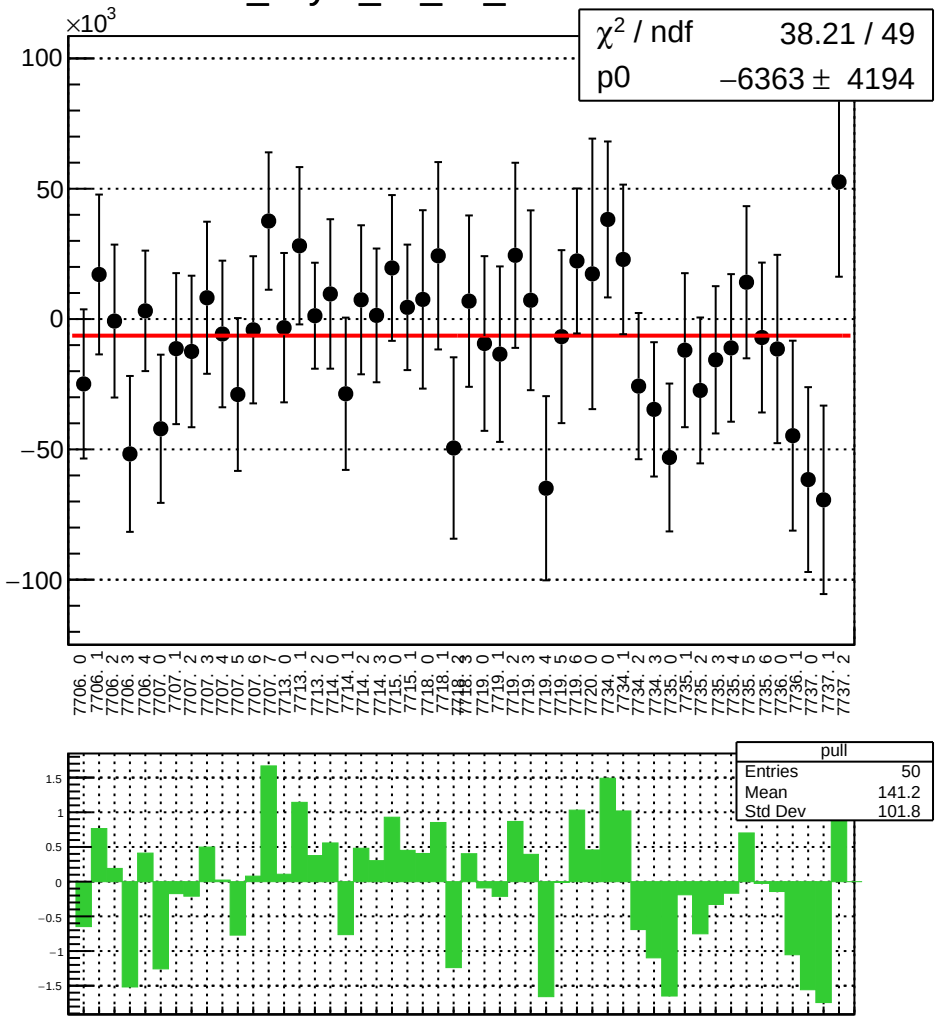

pull1D
Entries 50
Mean 0.03781
Std Dev 0.9212

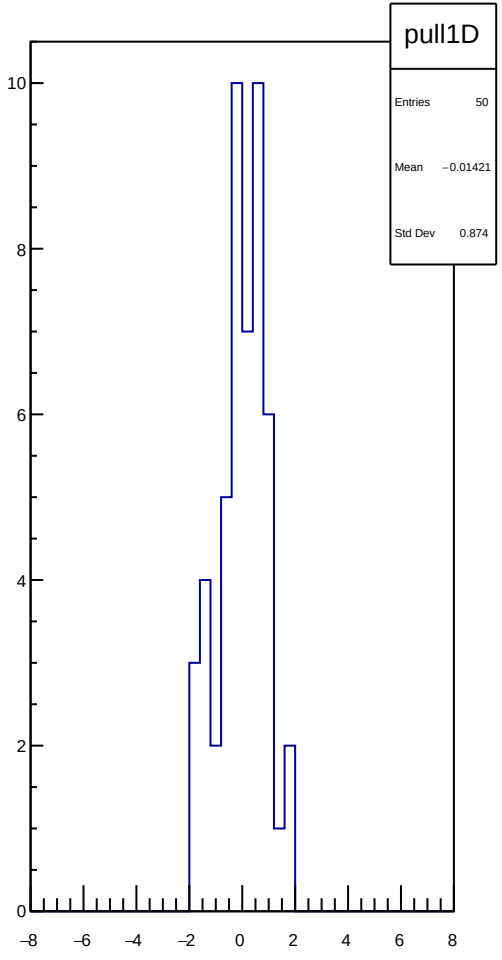

asym_atl_avg_correction_rms vs run
χ² / ndf 6.201e+04 / 49
p0 4054 ± 4.305
9000
8000
7000
6000
5000
4000
3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

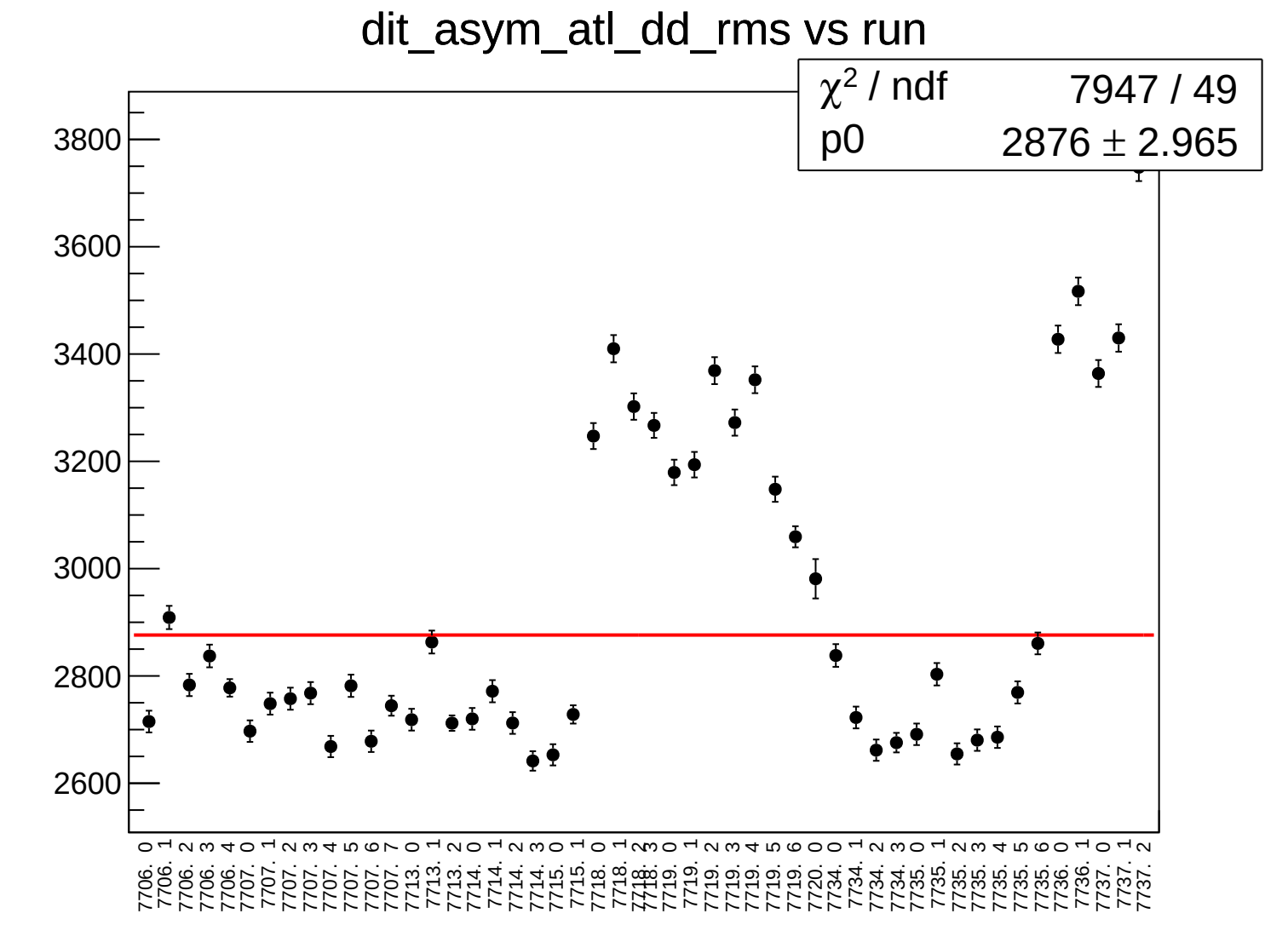

asym_atl_avg_mean vs run
×10^3
χ² / ndf 48.52 / 49
p0 −3808 ± 6890
150
100
50
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 602.1
Std Dev 585.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

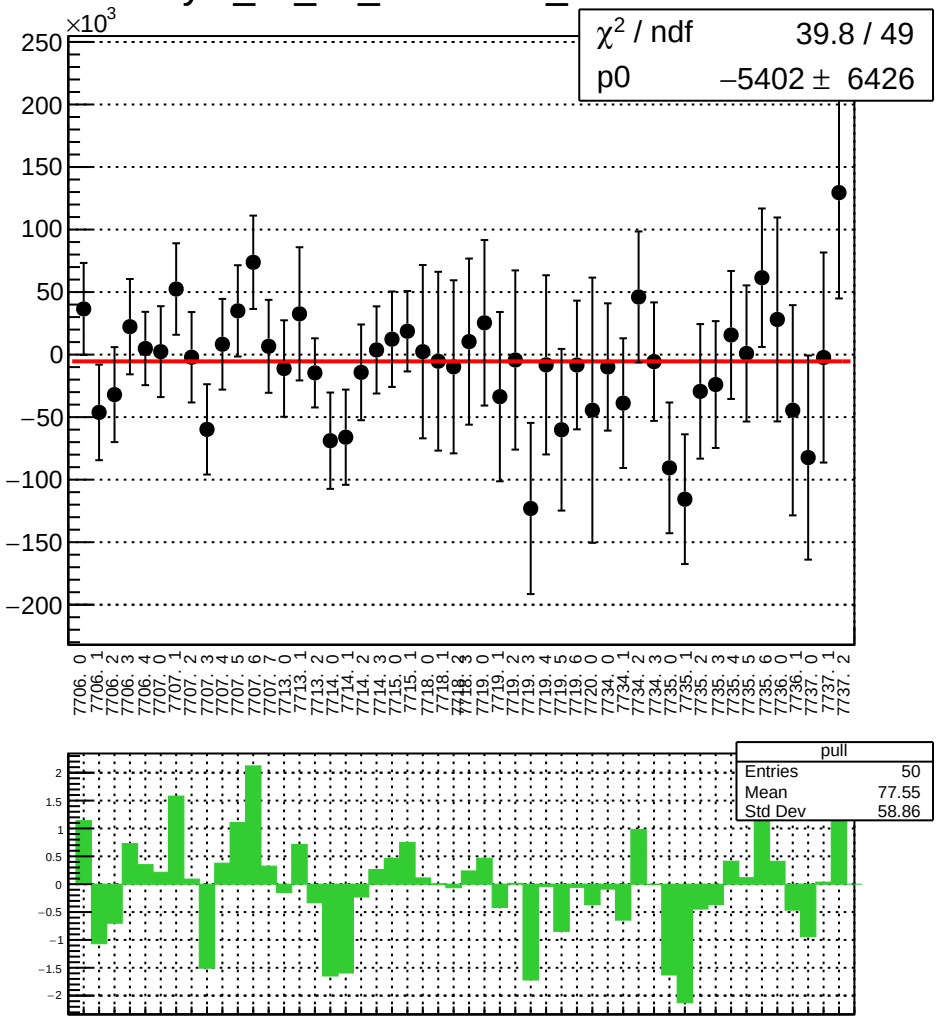

pull1D
Entries 50
Mean −0.005107
Std Dev 0.9851
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

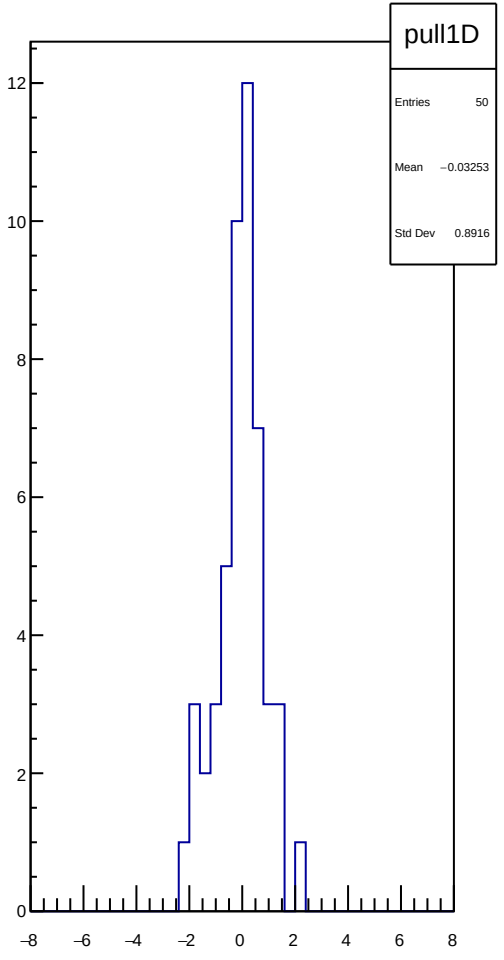

asym_atl_avg_rms vs run
χ² / ndf 1.076e+04 / 49
p0 4719 ± 4.872
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

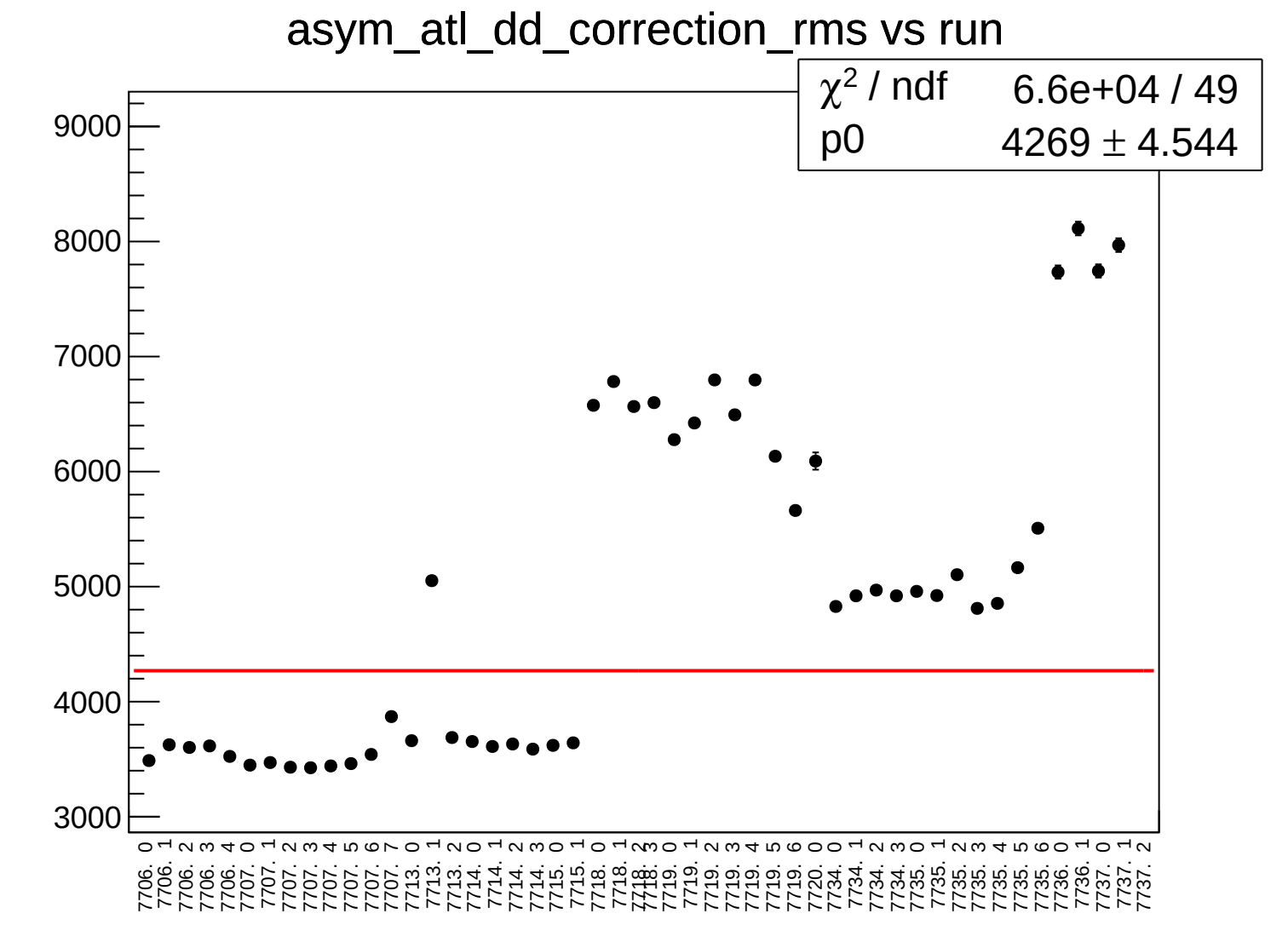

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 38.21 / 49
p0 −6363 ± 4194
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 141.2
Std Dev 101.8
1.5
1
0.5
0
−0.5
−1
−1.5

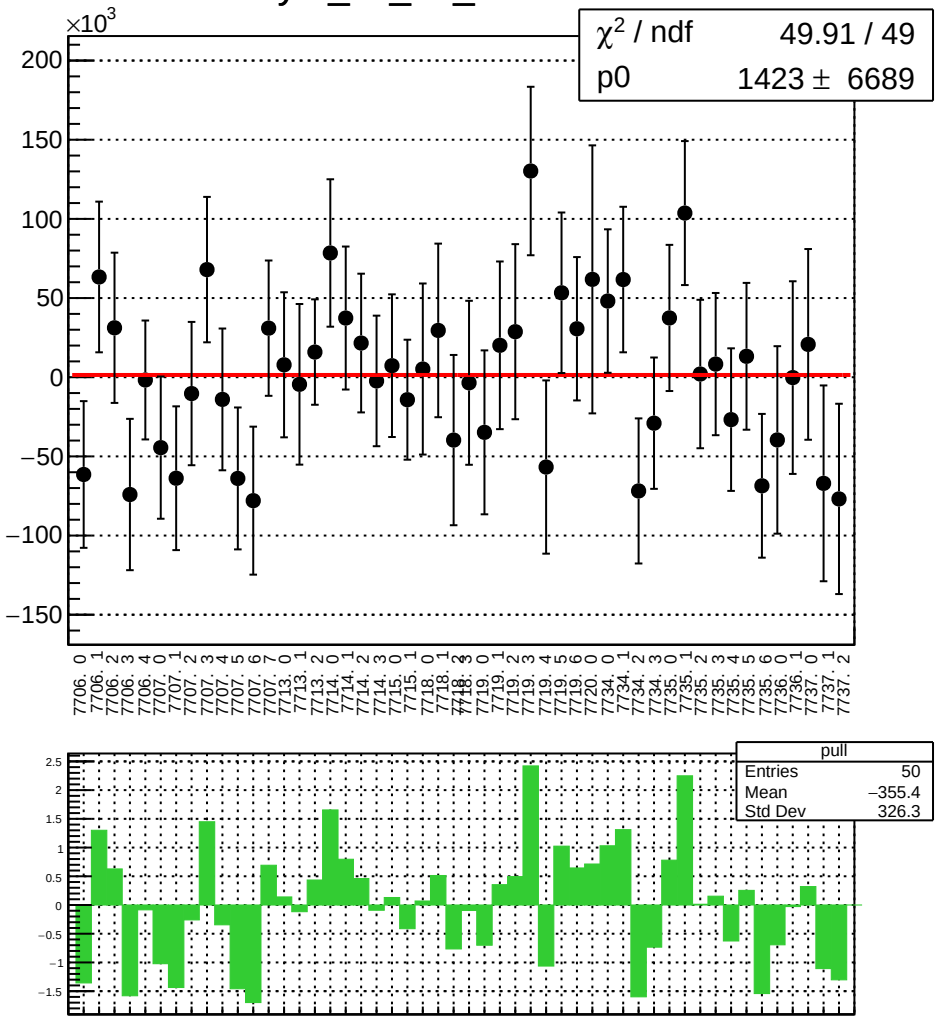

pull1D
Entries 50
Mean −0.01421
Std Dev 0.874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

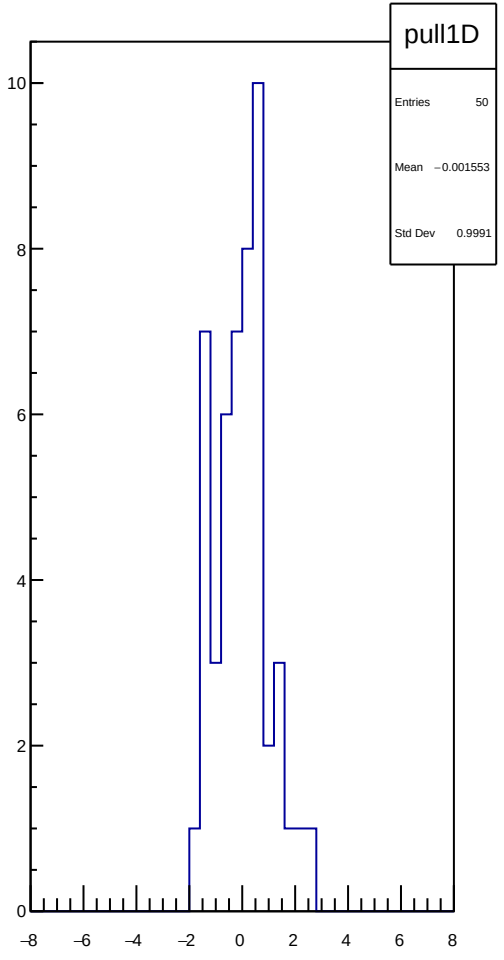

dit_asym_atl_dd_rms vs run
χ² / ndf 7947 / 49
p0 2876 ± 2.965
3800
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

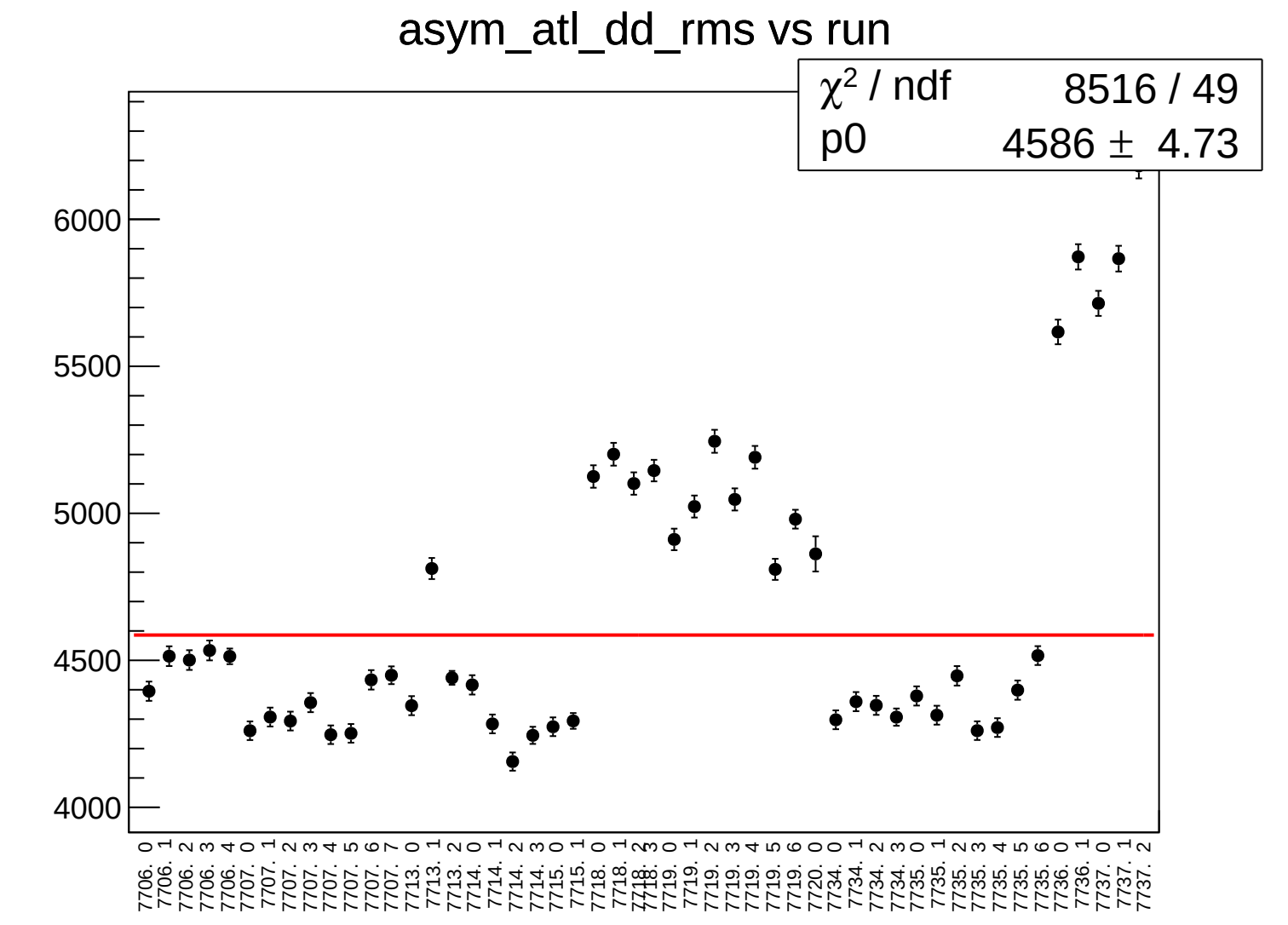

asym_atl_dd_correction_mean vs run
χ² / ndf 39.8 / 49
p0 −5402 ± 6426
×10³
pull
Entries 50
Mean 77.55
Std Dev 58.86

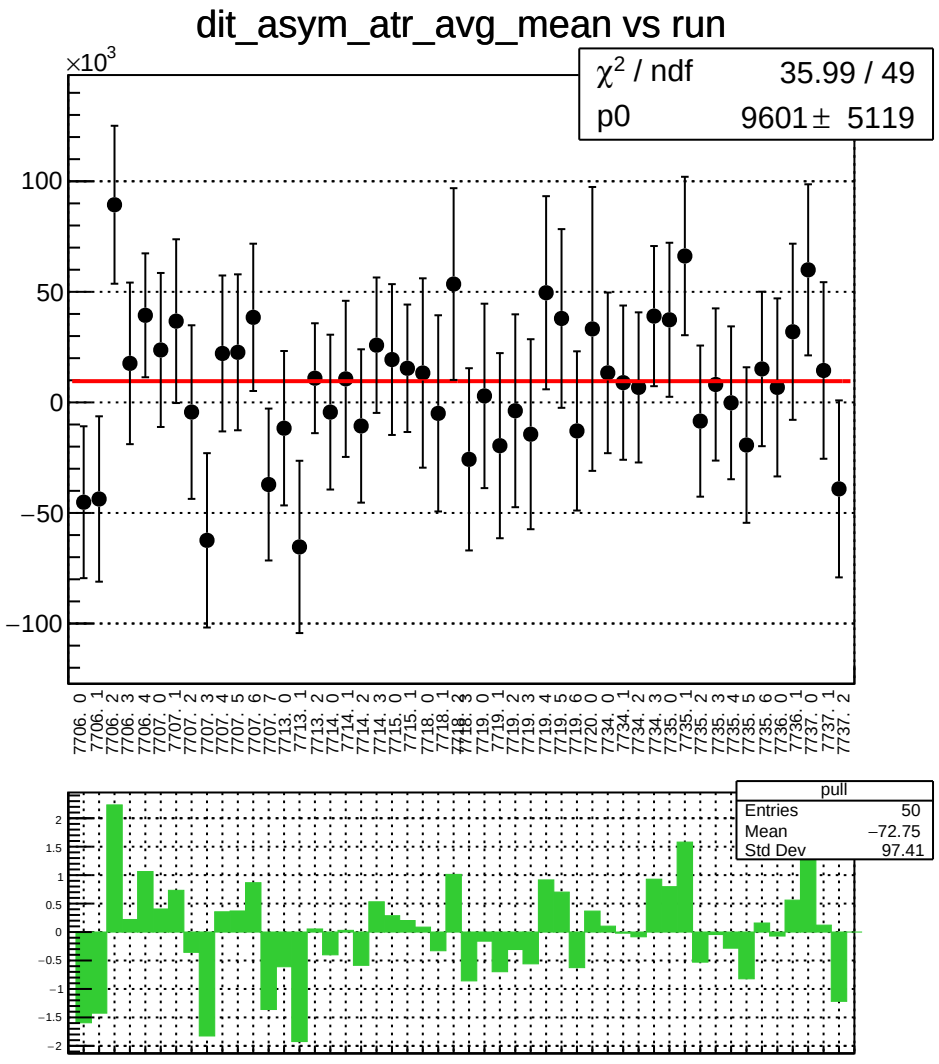

pull1D
Entries 50
Mean −0.03253
Std Dev 0.8916

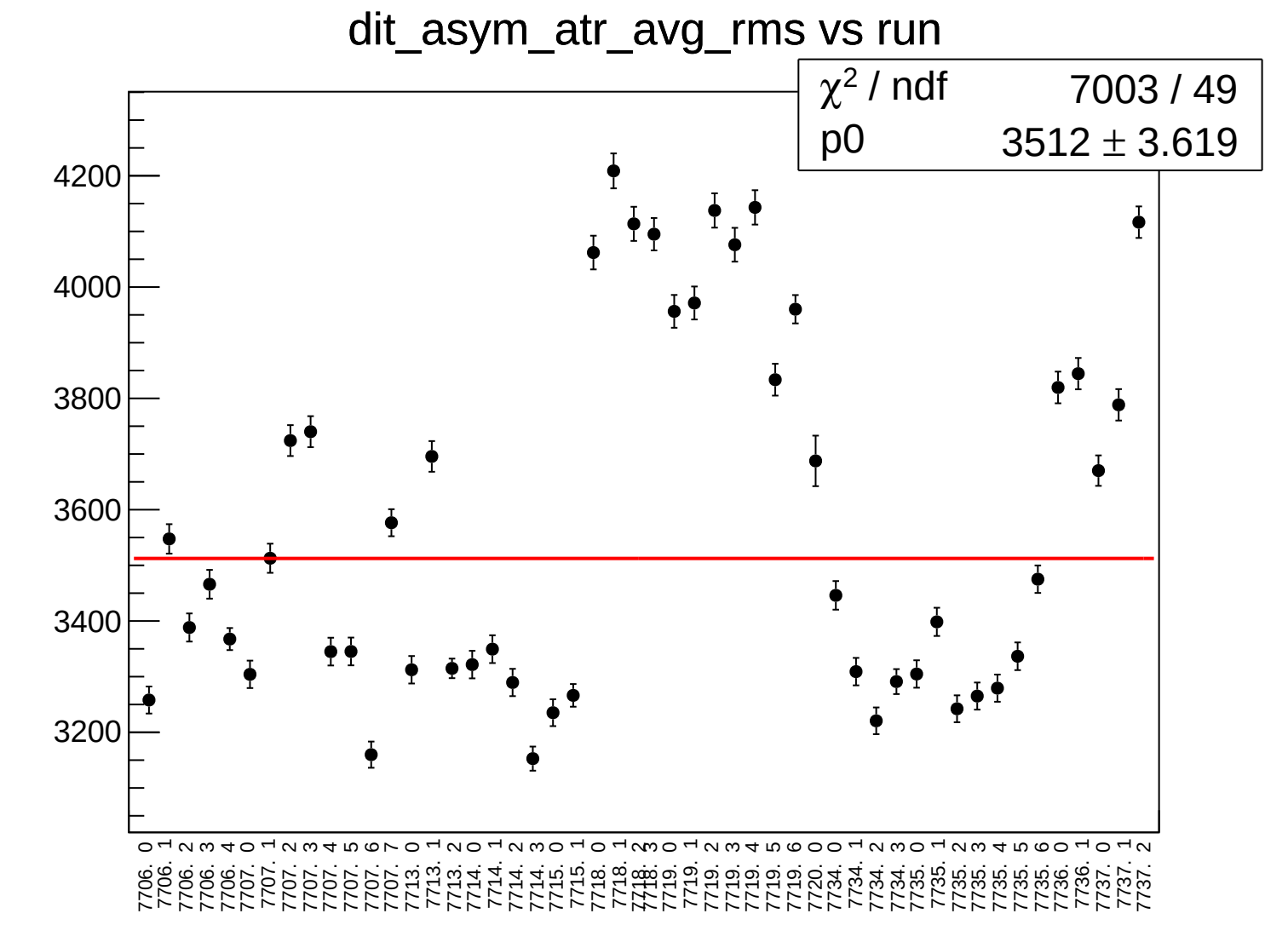

asym_atl_dd_correction_rms vs run
χ² / ndf 6.6e+04 / 49
p0 4269 ± 4.544
9000
8000
7000
6000
5000
4000
3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

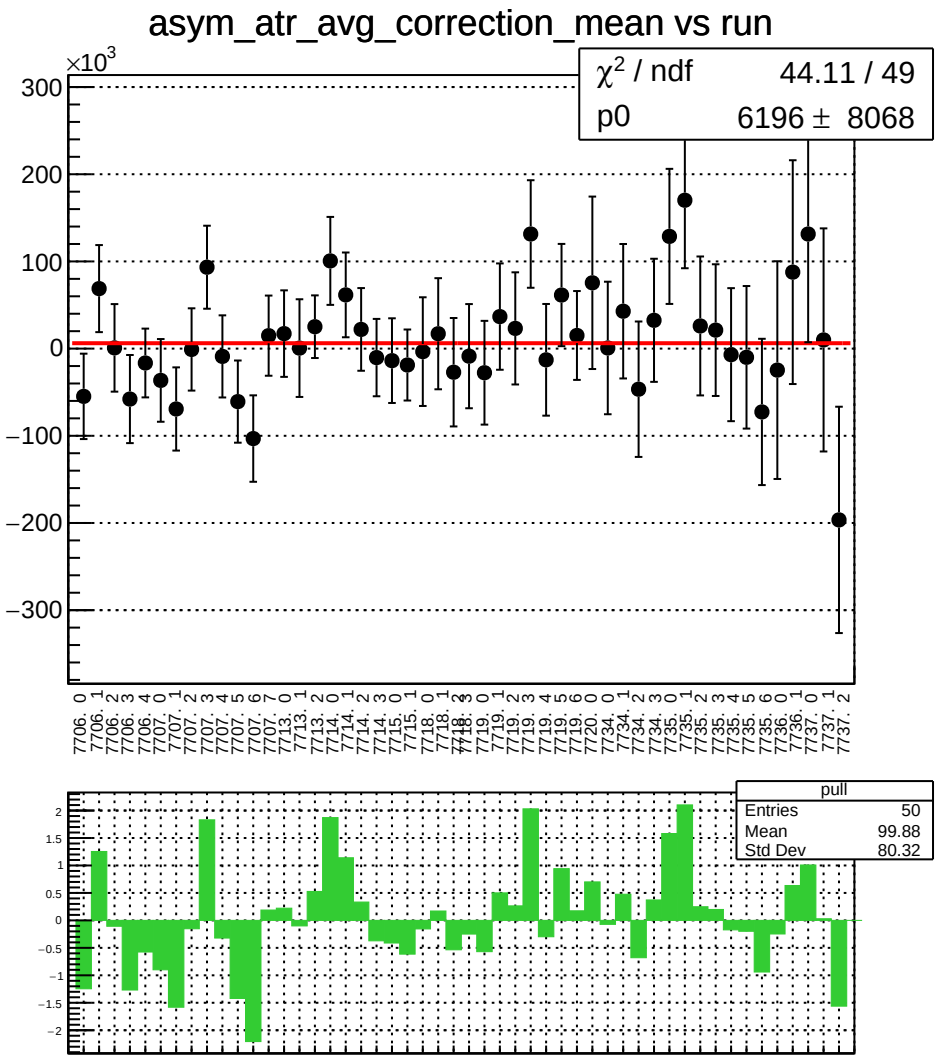

asym_atl_dd_mean vs run
×10^3
χ² / ndf 49.91 / 49
p0 1423 ± 6689
200
150
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −355.4
Std Dev 326.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

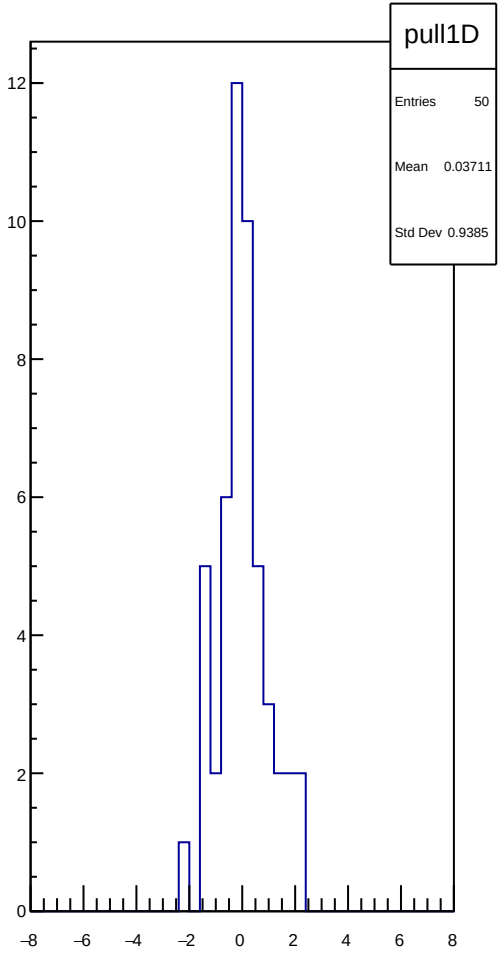

pull1D
Entries 50
Mean −0.001553
Std Dev 0.9991
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

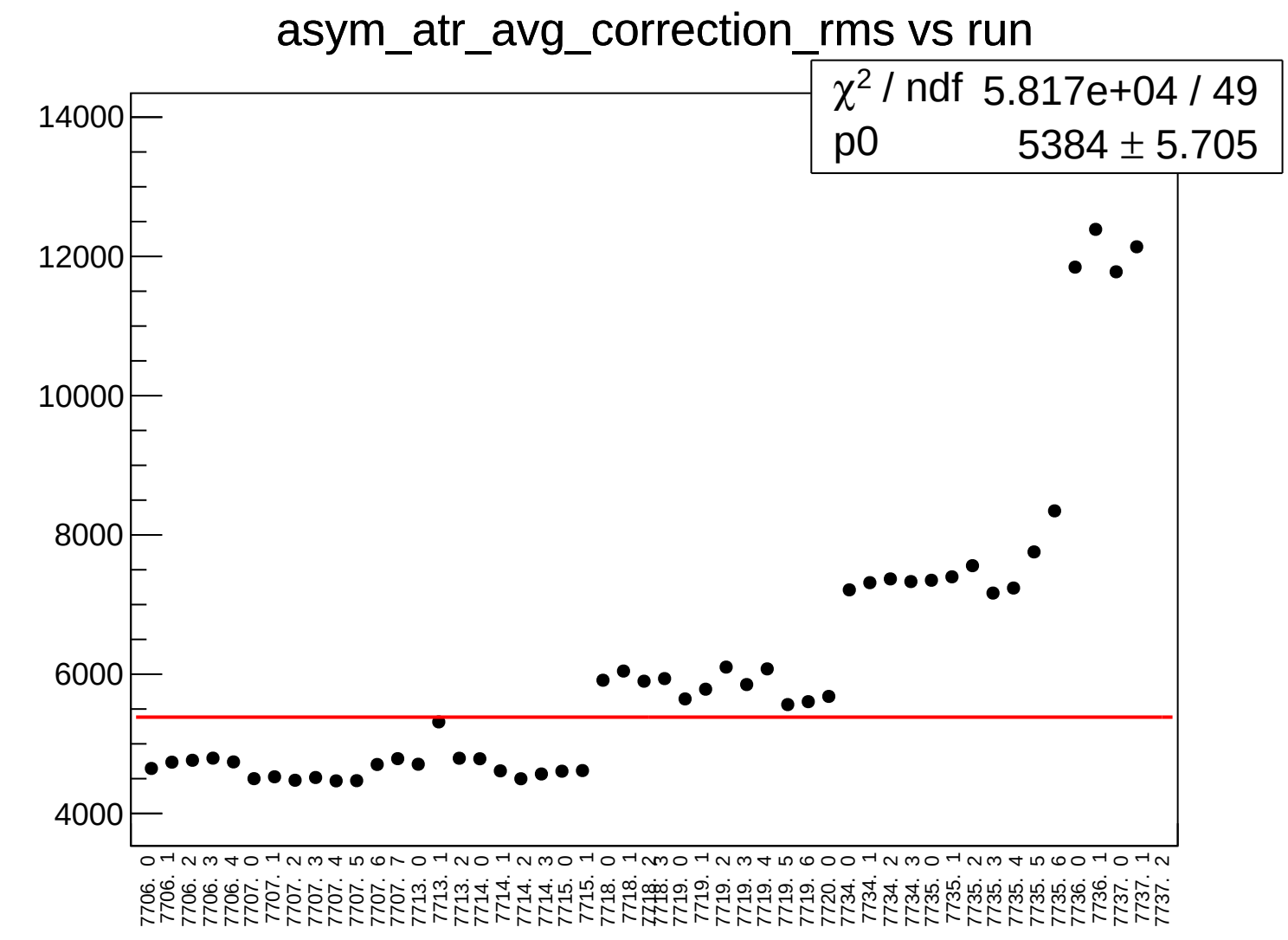

asym_atl_dd_rms vs run
χ² / ndf 8516 / 49
p0 4586 ± 4.73
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

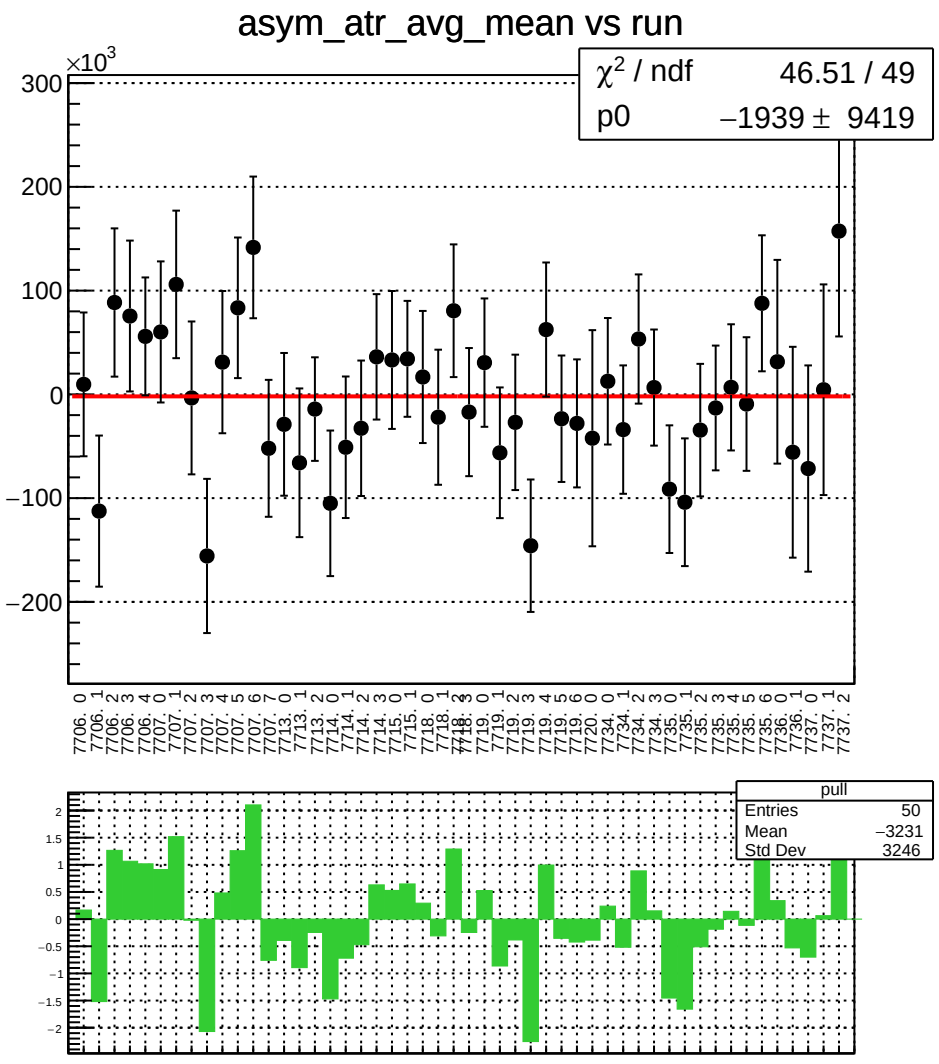

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 35.99 / 49
p0 9601 ± 5119
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −72.75
Std Dev 97.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01385
Std Dev 0.8483
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

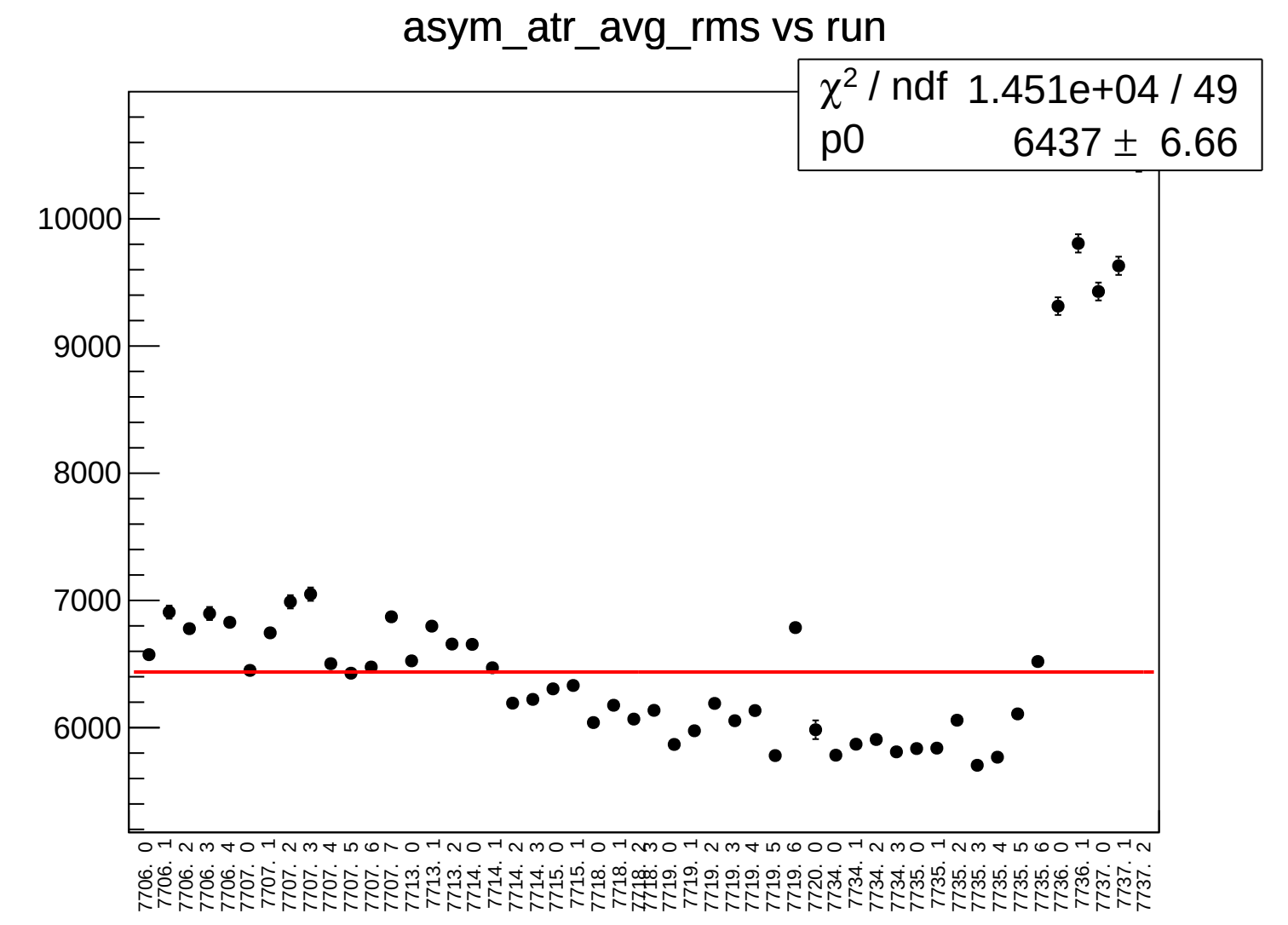

dit_asym_atr_avg_rms vs run
χ² / ndf 7003 / 49
p0 3512 ± 3.619
4200
4000
3800
3600
3400
3200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

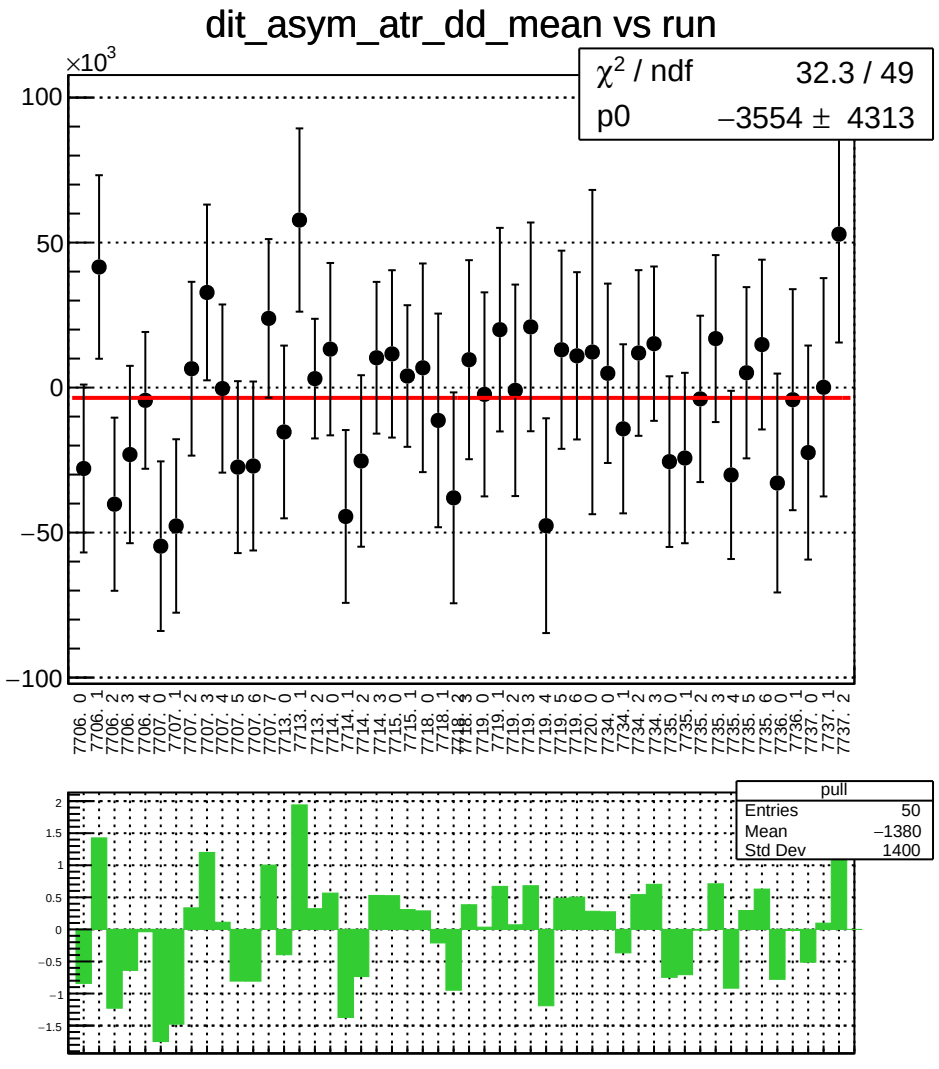

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 44.11 / 49
p0 6196 ± 8068
pull
Entries 50
Mean 99.88
Std Dev 80.32

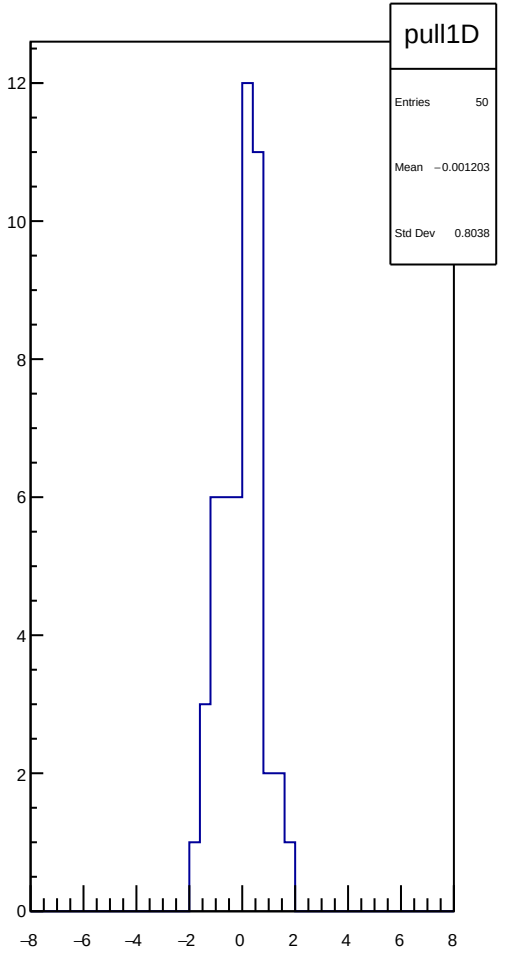

pull1D
Entries 50
Mean 0.03711
Std Dev 0.9385

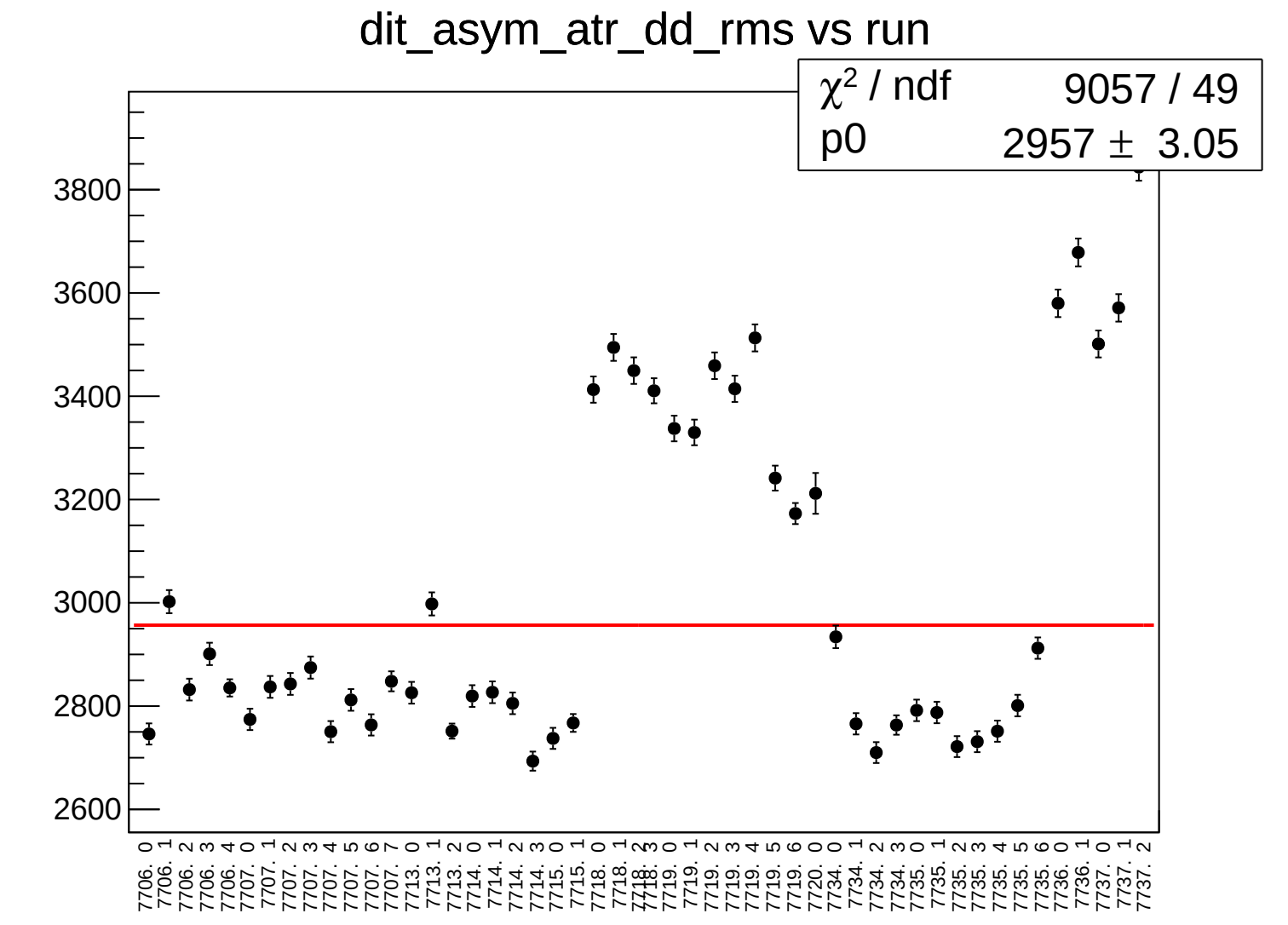

asym_atr_avg_correction_rms vs run
χ^2 / ndf 5.817e+04 / 49
p0 5384 ± 5.705
14000
12000
10000
8000
6000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

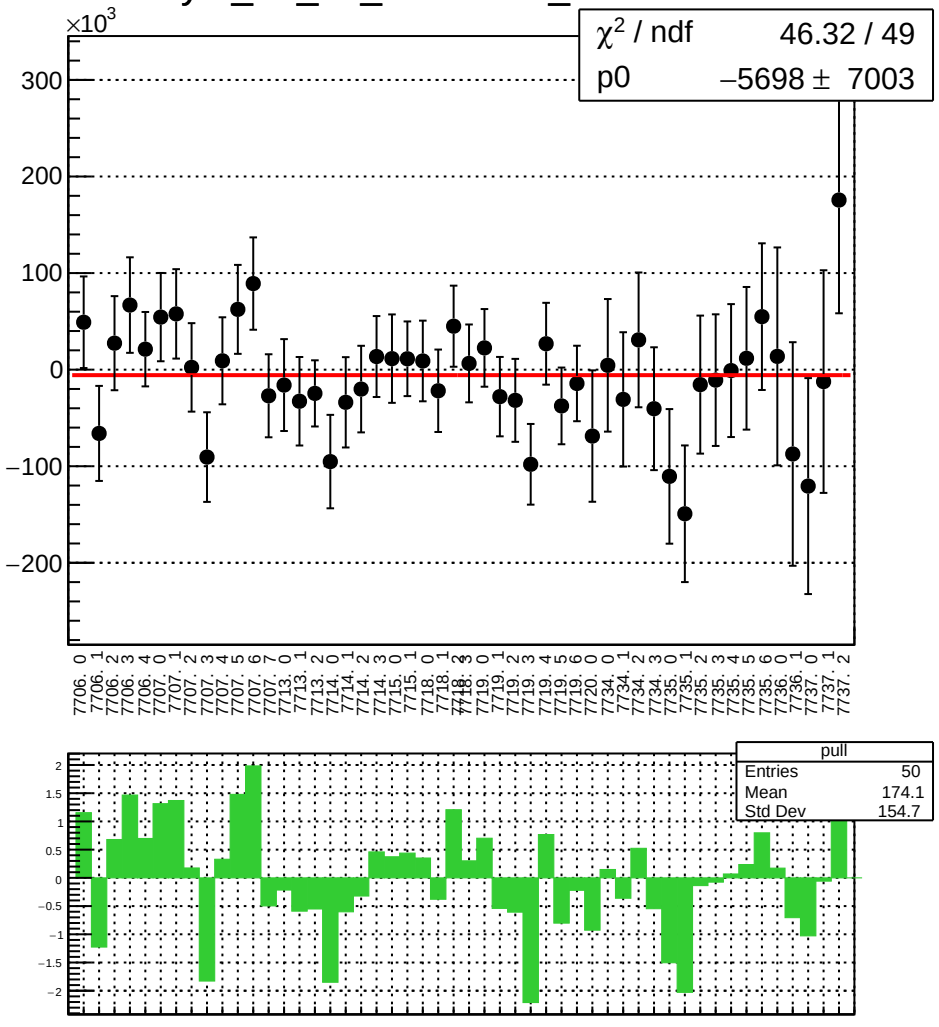

asym_atr_avg_mean vs run
×10^3
χ² / ndf 46.51 / 49
p0 −1939 ± 9419
300
200
100
0
−100
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −3231
Std Dev 3246
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.0005138
Std Dev 0.9645
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

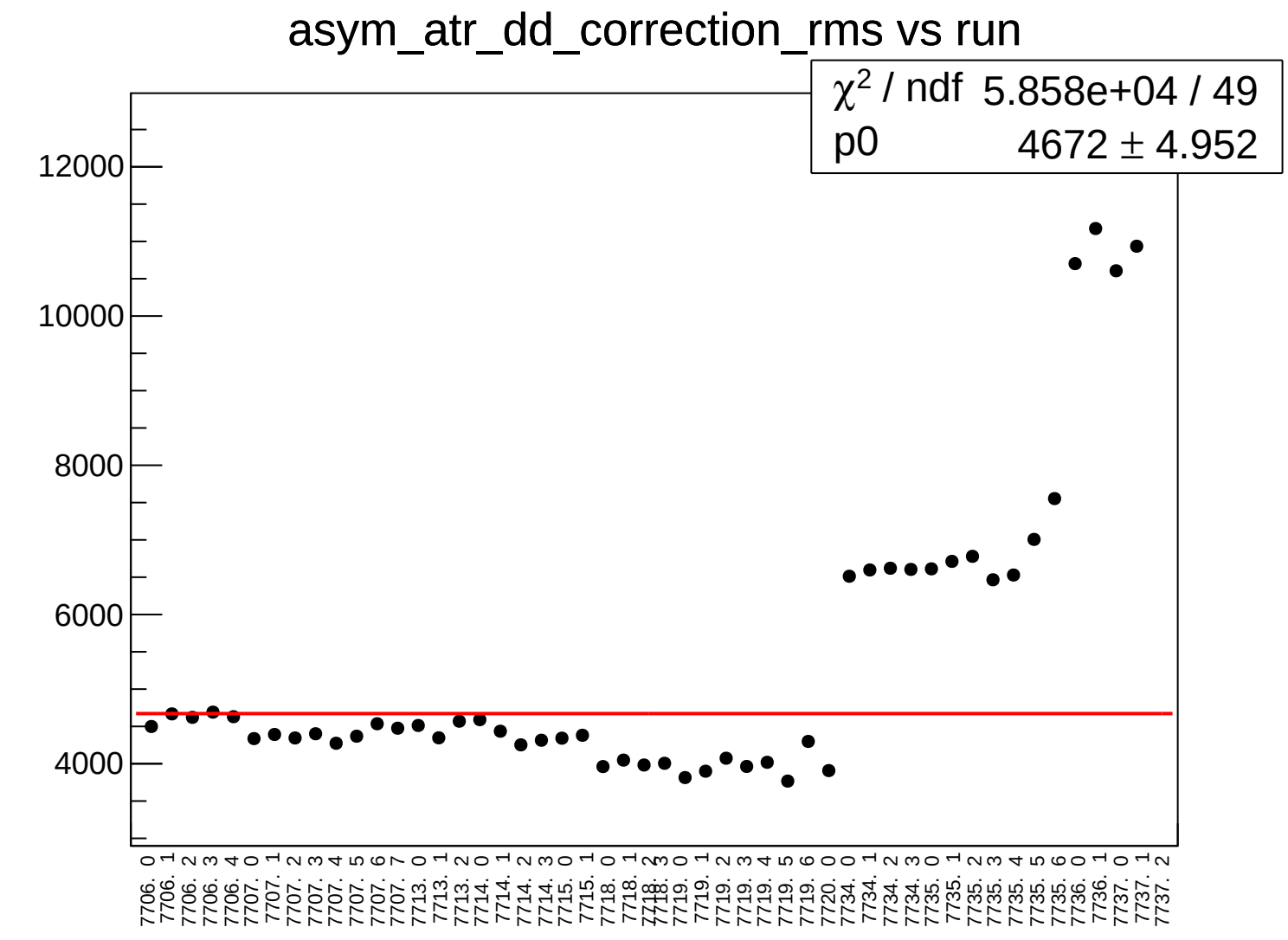

asym_atr_avg_rms vs run
χ² / ndf 1.451e+04 / 49
p0 6437 ± 6.66
10000
9000
8000
7000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

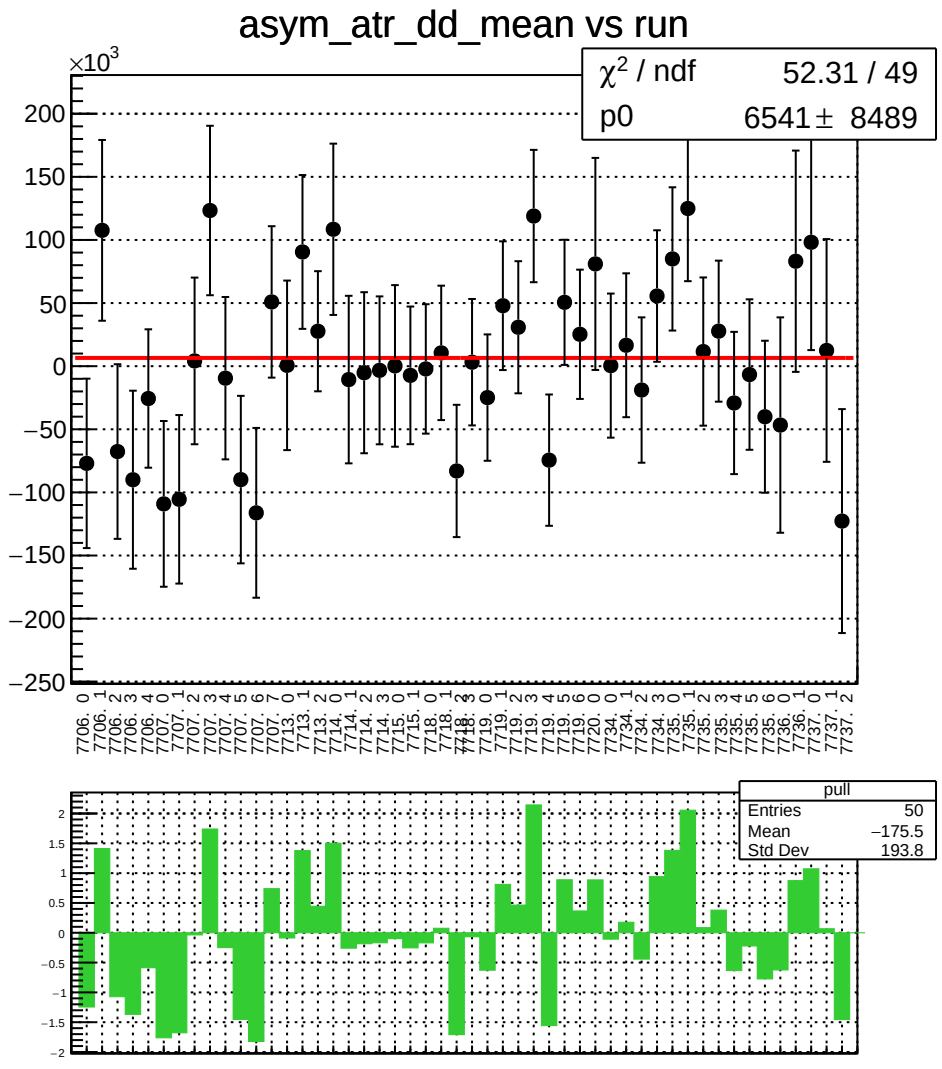

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 32.3 / 49
p0 −3554 ± 4313
100
50
0
−50
−100
pull
Entries 50
Mean −1380
Std Dev 1400
2
1.5
1
0.5
0
−0.5
−1
−1.5

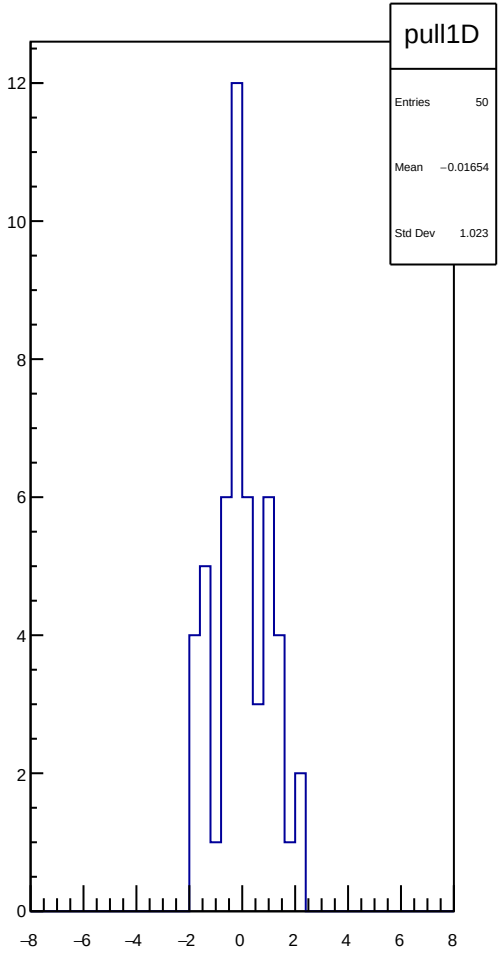

pull1D
Entries 50
Mean −0.001203
Std Dev 0.8038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

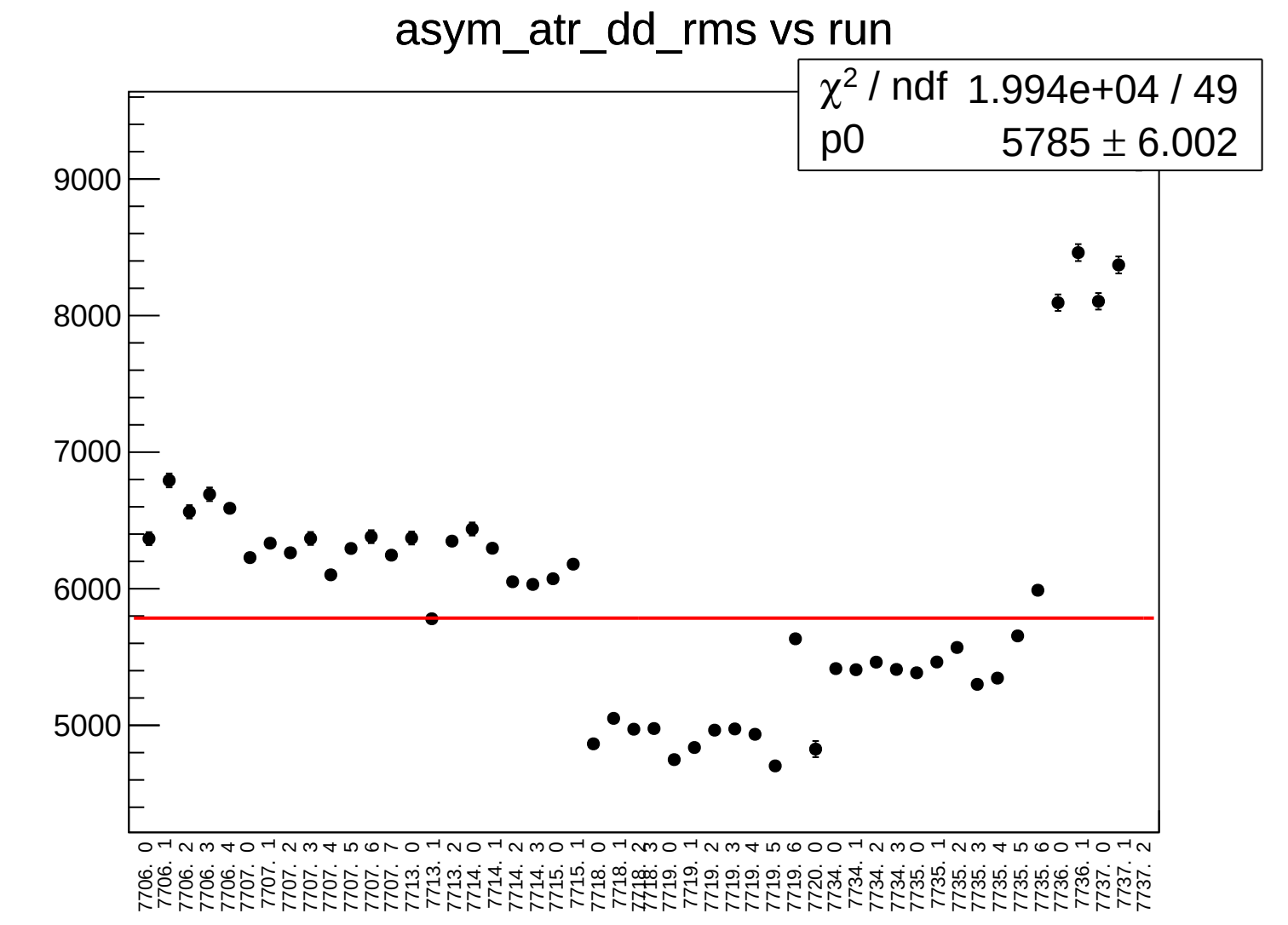

dit_asym_atr_dd_rms vs run
χ² / ndf 9057 / 49
p0 2957 ± 3.05
3800
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

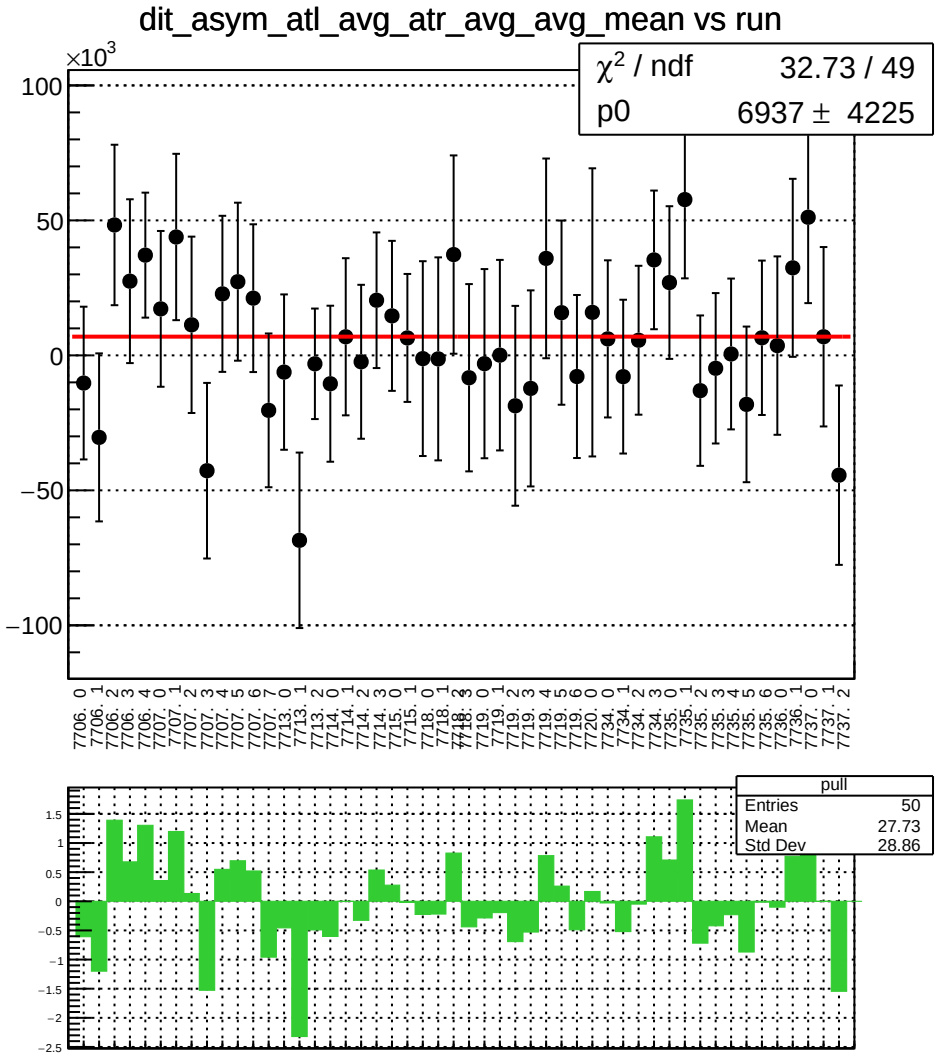

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 46.32 / 49
p0 −5698 ± 7003
300
200
100
0
−100
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 174.1
Std Dev 154.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.02122
Std Dev 0.9623
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

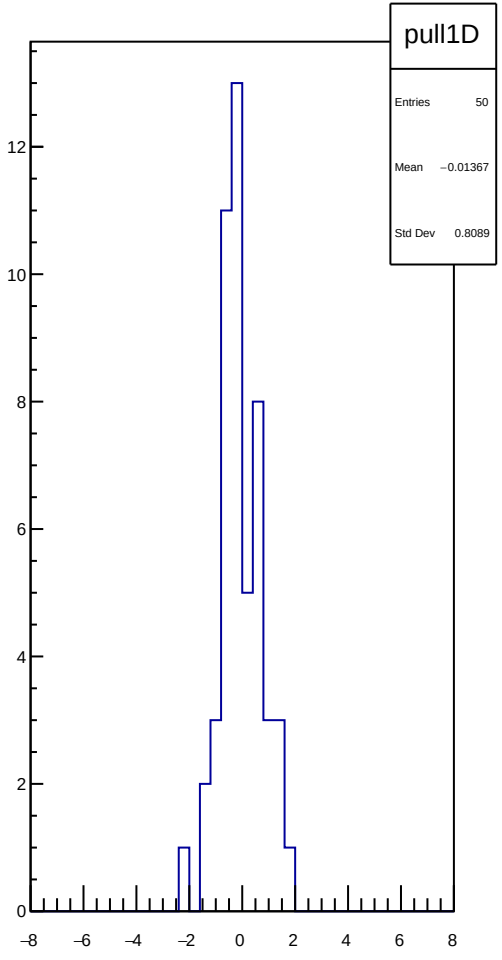

asym_atr_dd_correction_rms vs run
χ² / ndf 5.858e+04 / 49
p0 4672 ± 4.952
12000
10000
8000
6000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

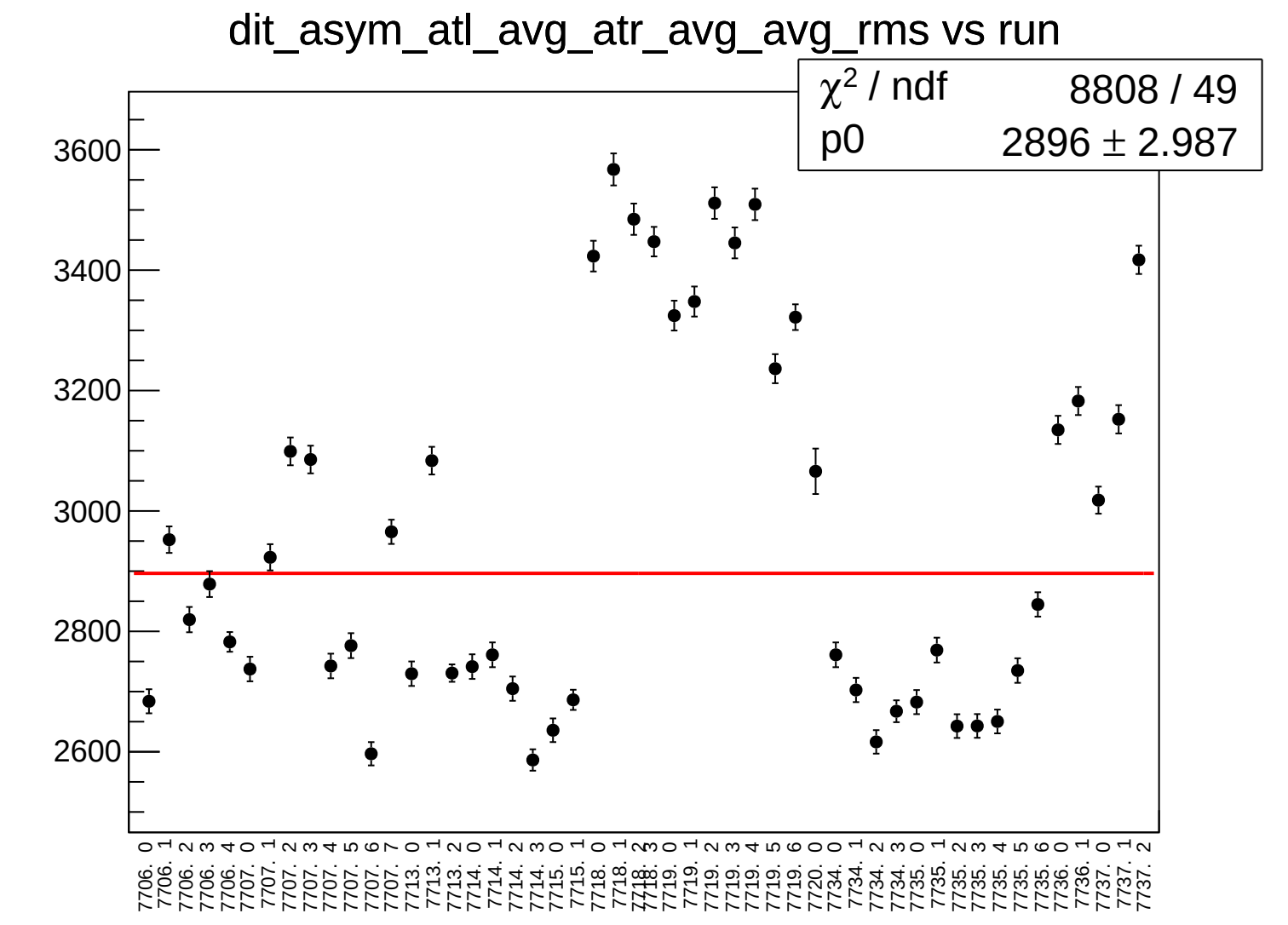

asym_atr_dd_mean vs run
×10^3
χ² / ndf 52.31 / 49
p0 6541 ± 8489
pull
Entries 50
Mean −175.5
Std Dev 193.8

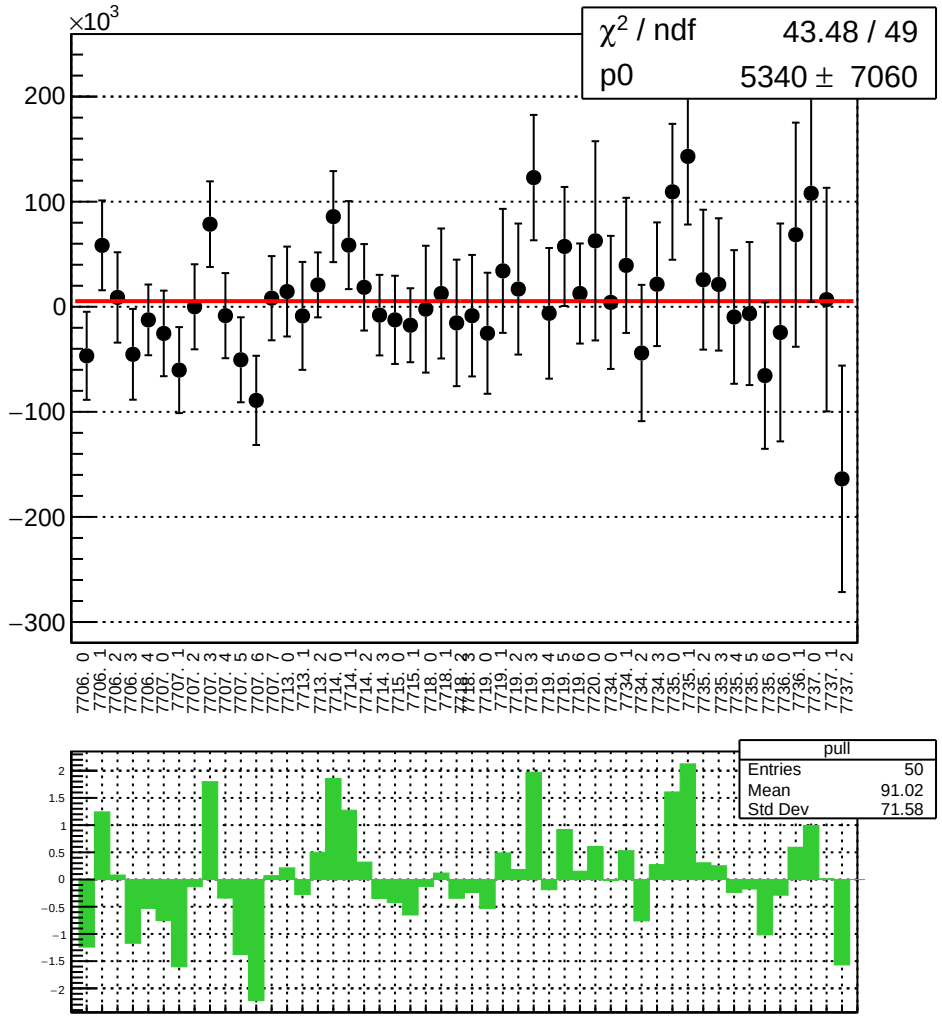

pull1D
Entries 50
Mean −0.01654
Std Dev 1.023

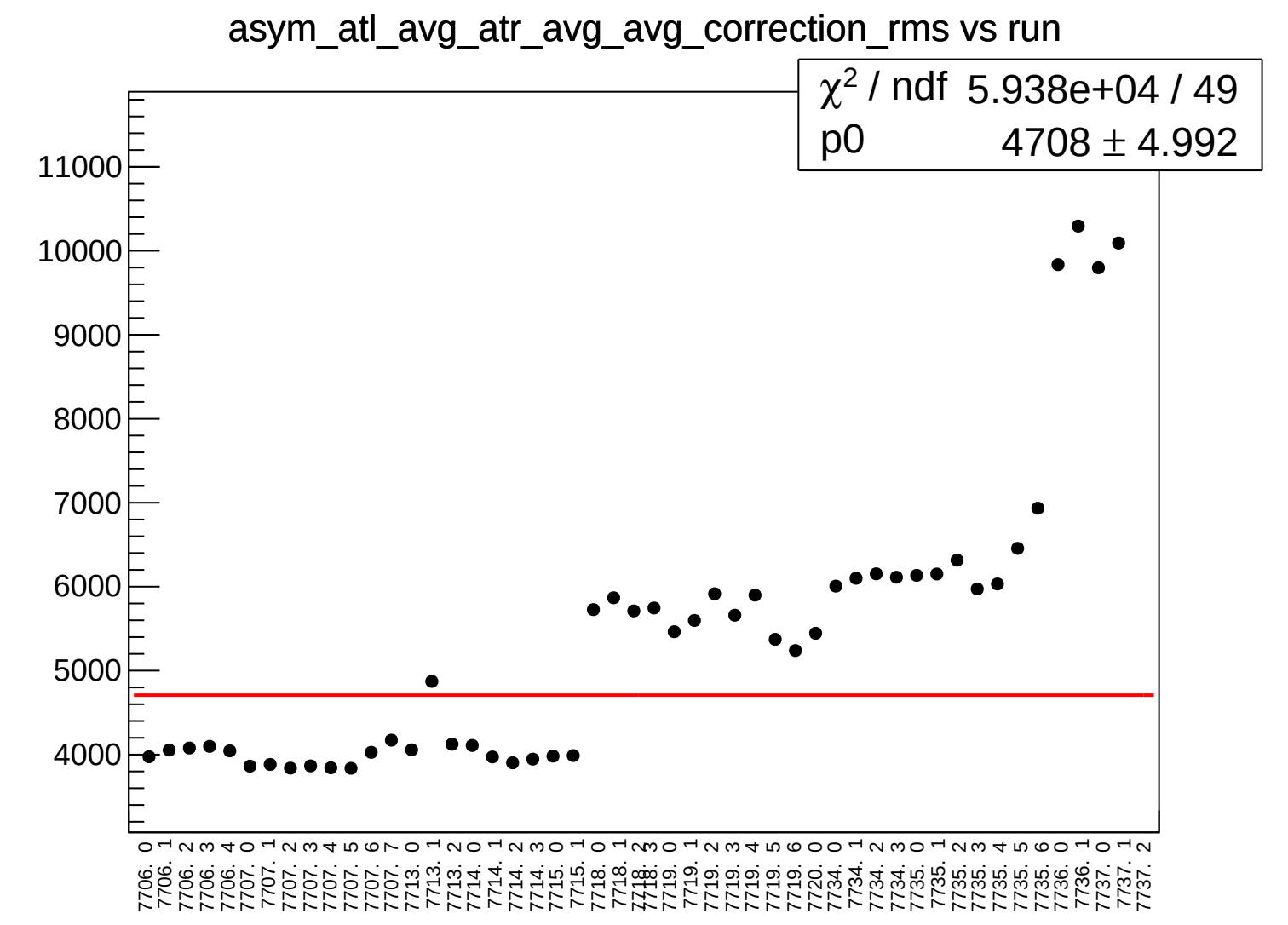

asym_atr_dd_rms vs run
χ² / ndf 1.994e+04 / 49
p0 5785 ± 6.002
9000
8000
7000
6000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

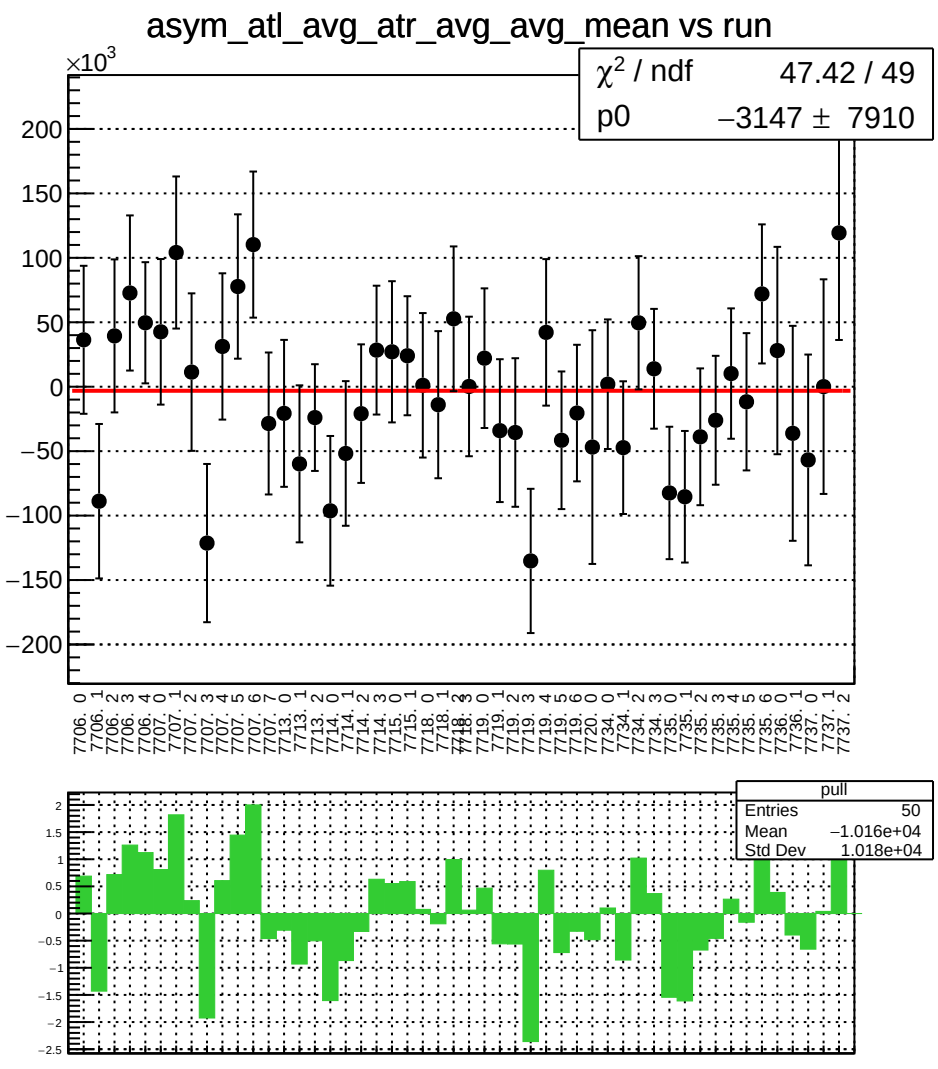

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 32.73 / 49
p0 6937 ± 4225
100
50
0
−50
−100
pull
Entries 50
Mean 27.73
Std Dev 28.86
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

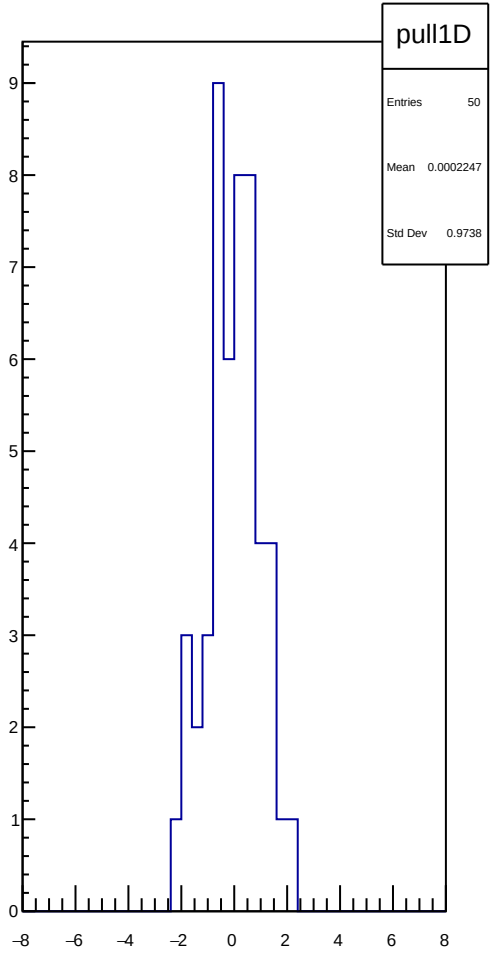

pull1D
Entries 50
Mean −0.01367
Std Dev 0.8089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

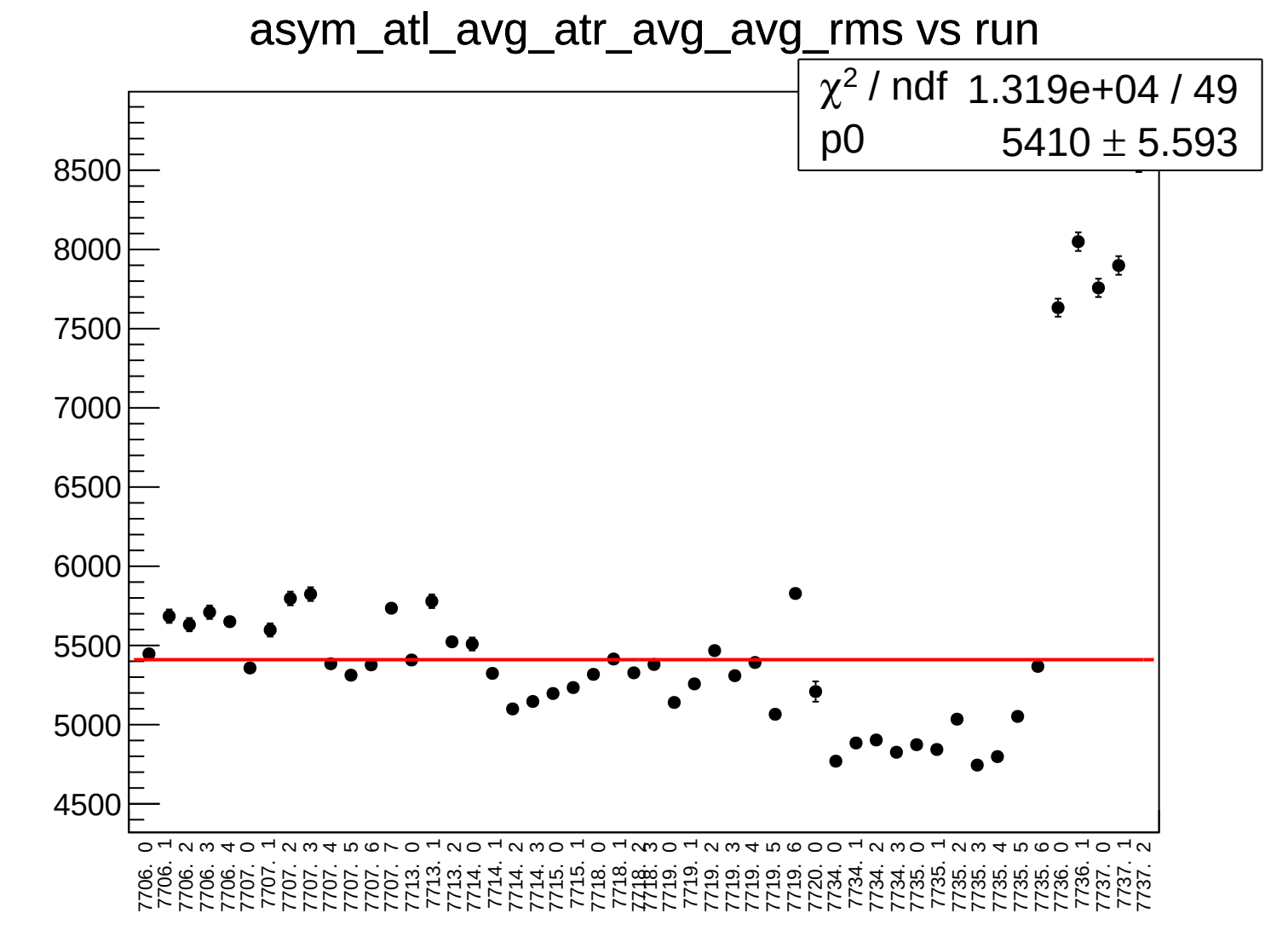

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8808 / 49
p0 2896 ± 2.987
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
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7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
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7734. 0
7734. 1
7734. 2
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7735. 0
7735. 1
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7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

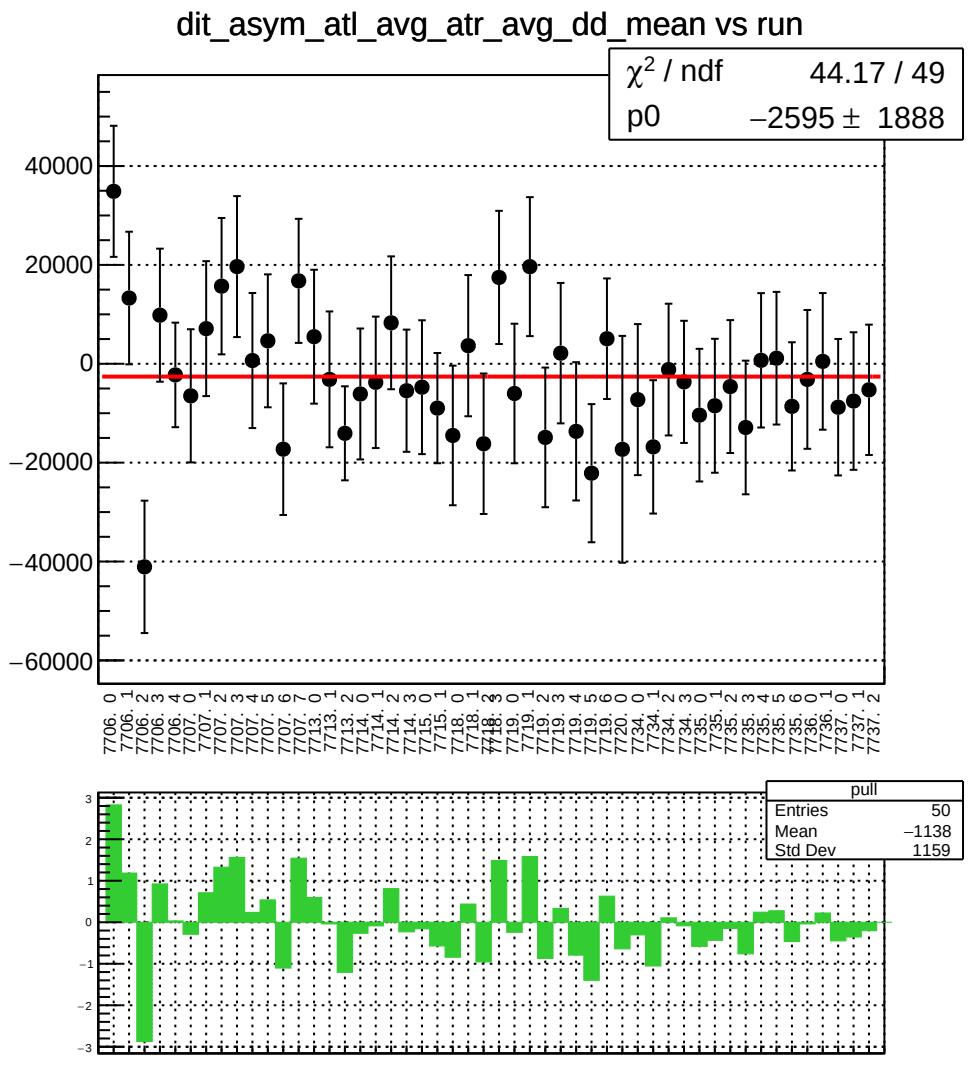

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 43.48 / 49
p0 5340 ± 7060
200
100
0
−100
−200
−300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 91.02
Std Dev 71.58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.03877
Std Dev 0.9318
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

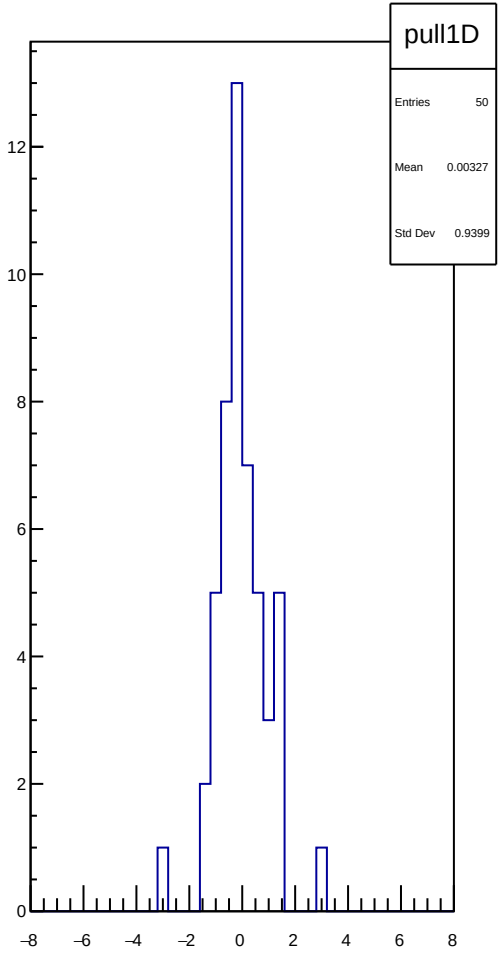

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5.938e+04 / 49
p0 4708 ± 4.992
11000
10000
9000
8000
7000
6000
5000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

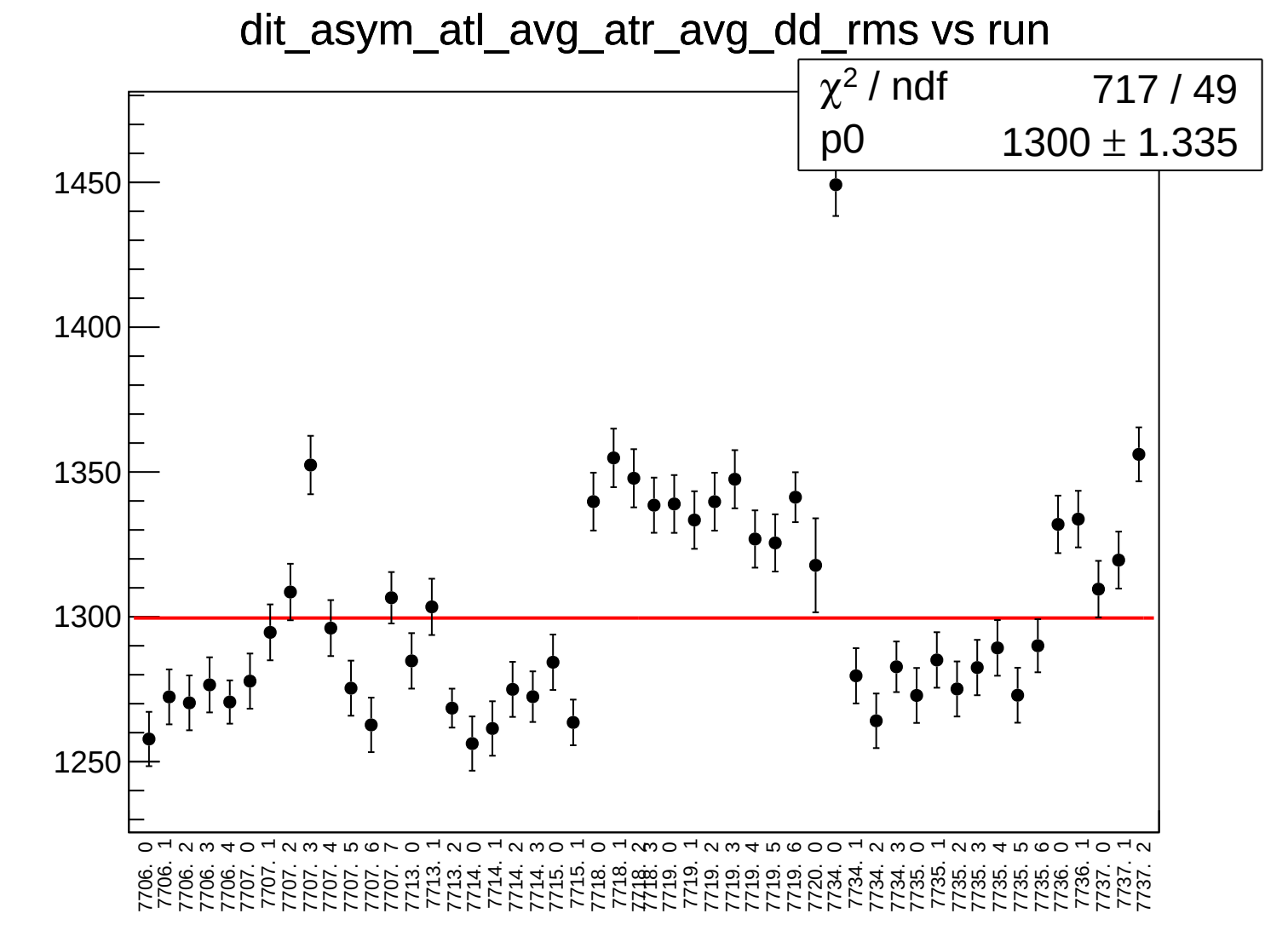

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 47.42 / 49
p0 −3147 ± 7910
×10³
pull
Entries 50
Mean −1.016e+04
Std Dev 1.018e+04

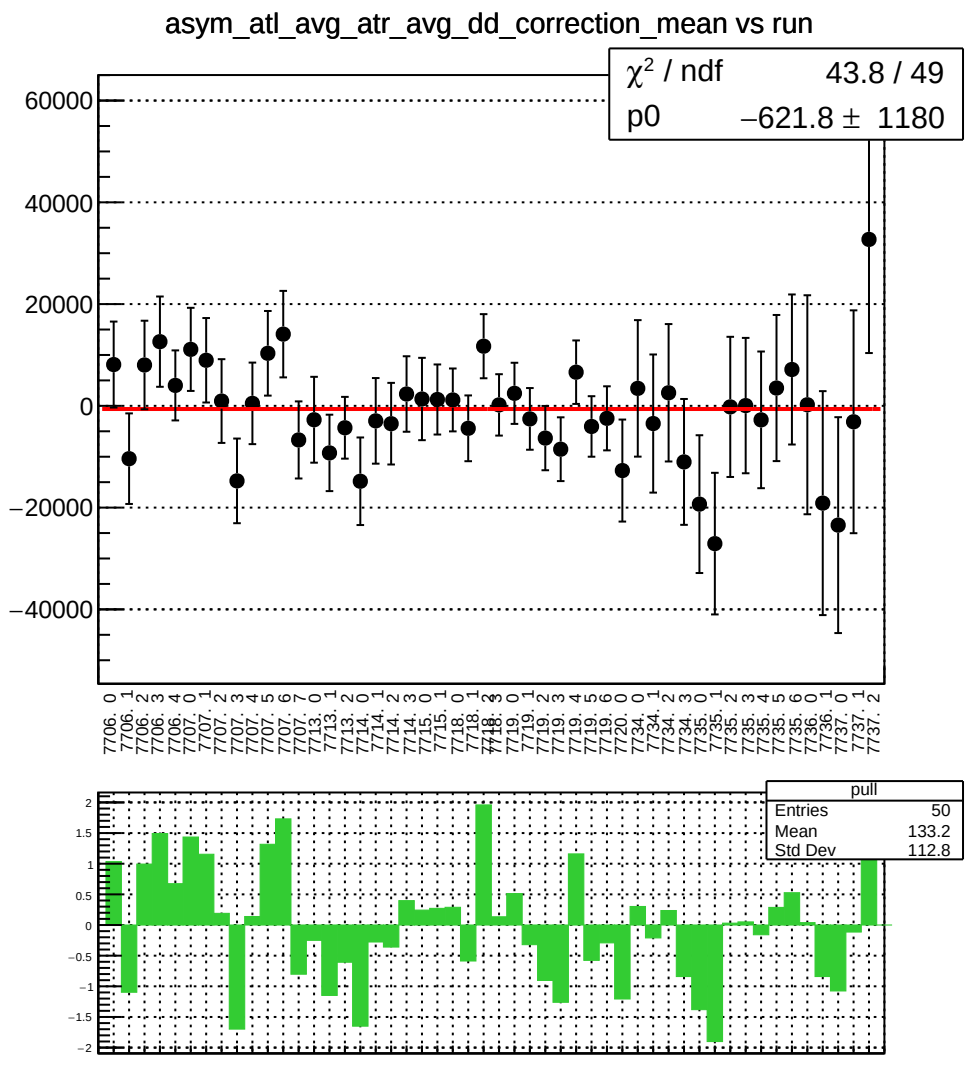

pull1D
Entries 50
Mean 0.0002247
Std Dev 0.9738

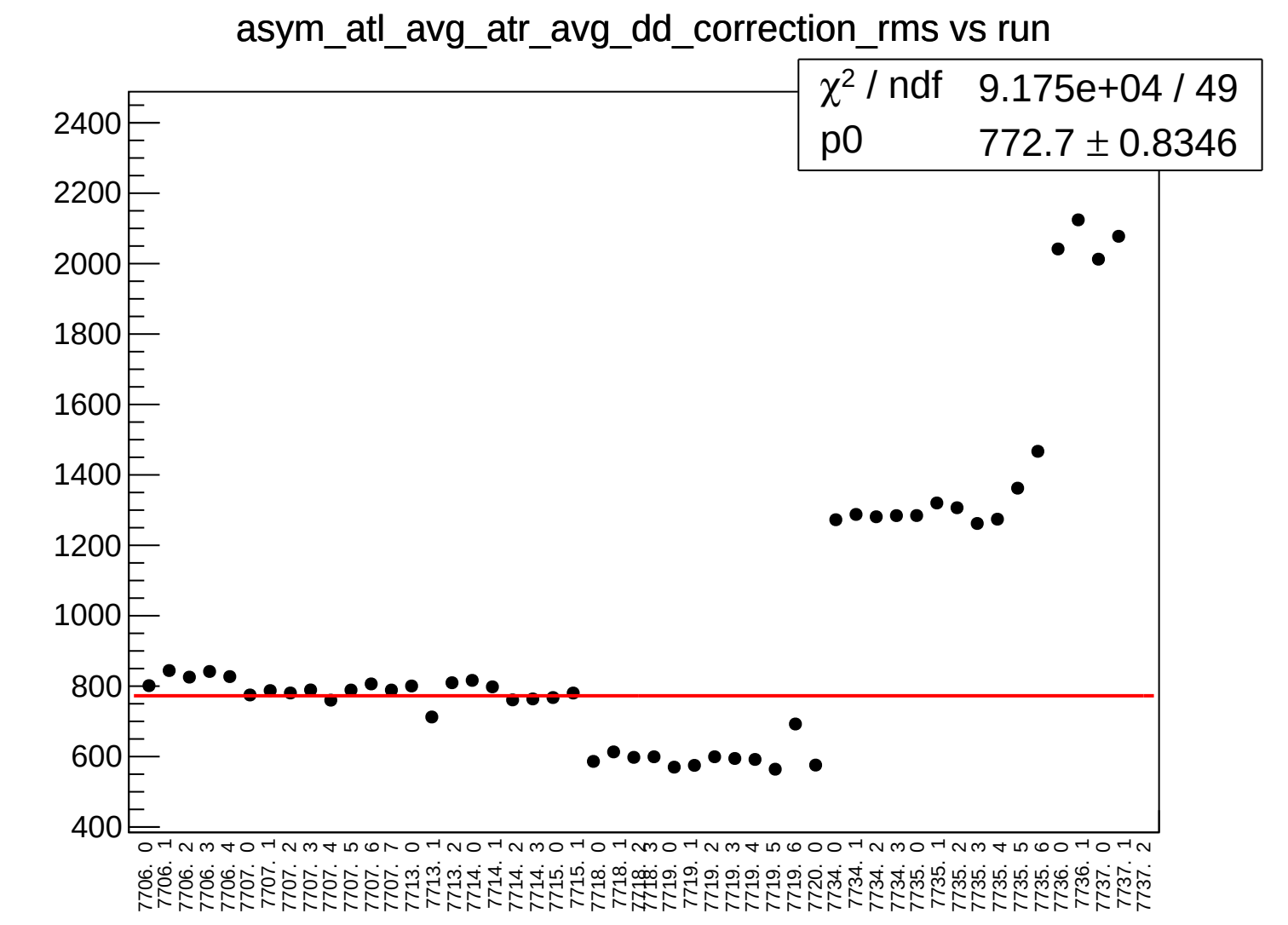

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.319e+04 / 49
p0 5410 ± 5.593
8500
8000
7500
7000
6500
6000
5500
5000
4500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

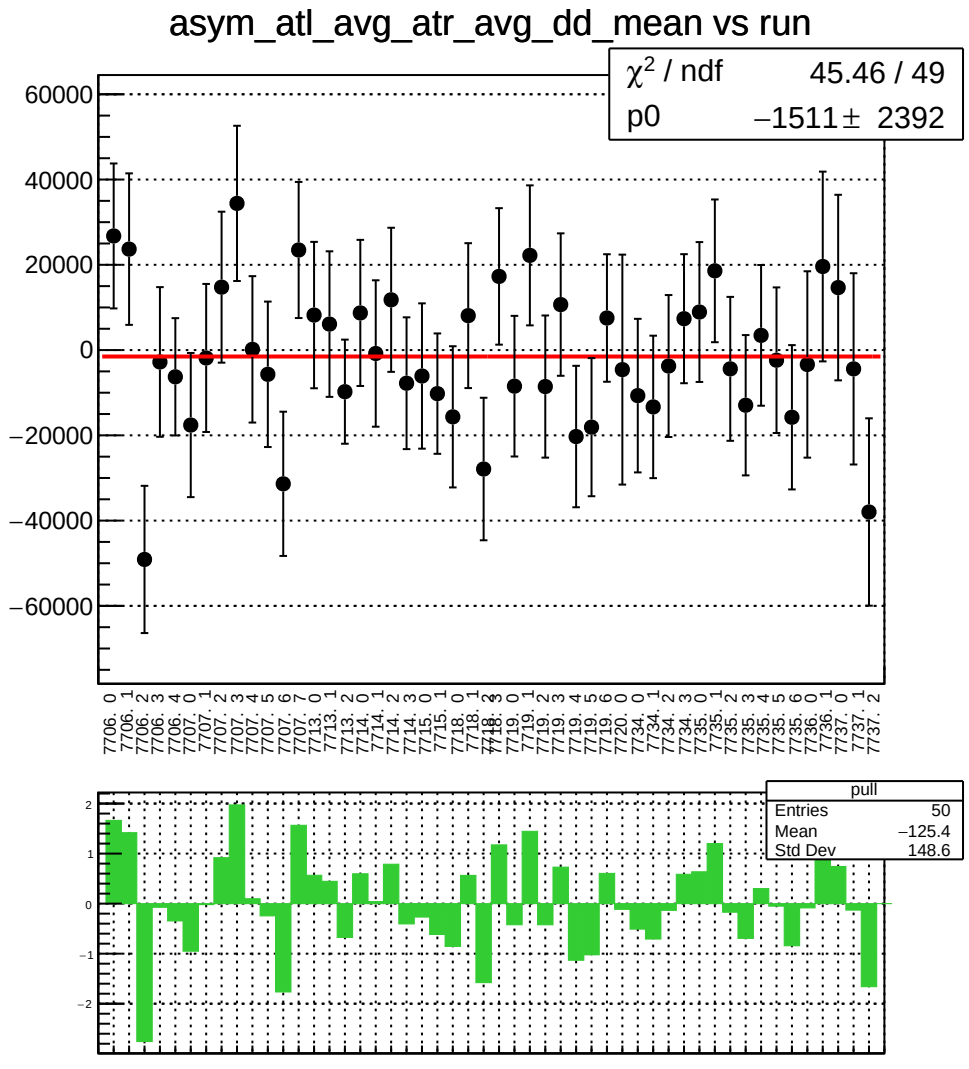

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.17 / 49
p0 −2595 ± 1888
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −1138
Std Dev 1159
3
2
1
0
−1
−2
−3

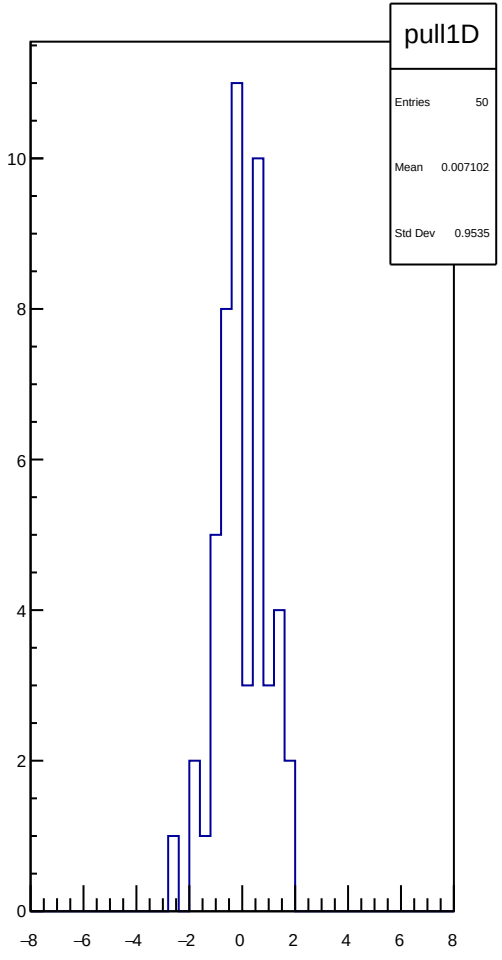

pull1D
Entries 50
Mean 0.00327
Std Dev 0.9399
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

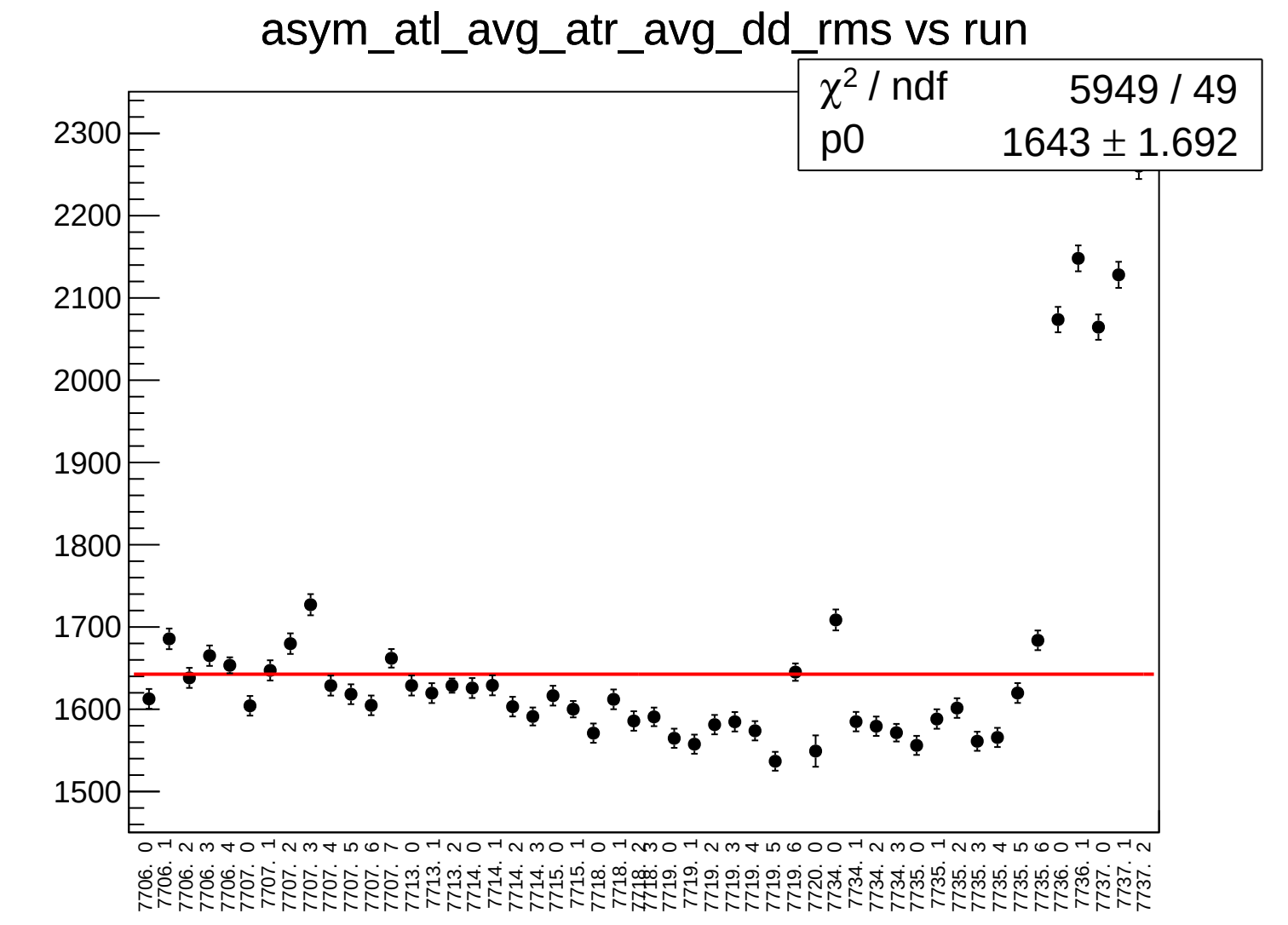

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 717 / 49
p0 1300 ± 1.335
1450
1400
1350
1300
1250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

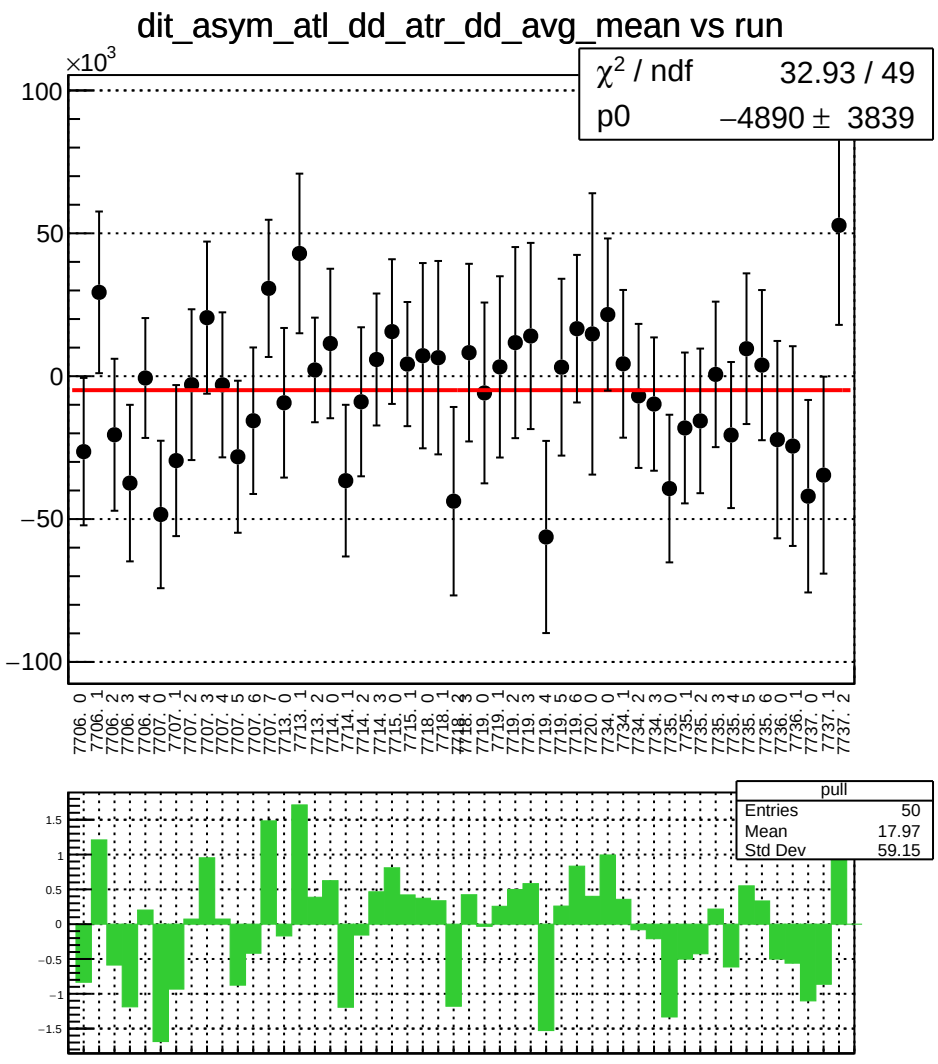

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 43.8 / 49
p0 −621.8 ± 1180
60000
40000
20000
0
−20000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 133.2
Std Dev 112.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.02928
Std Dev 0.9355
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

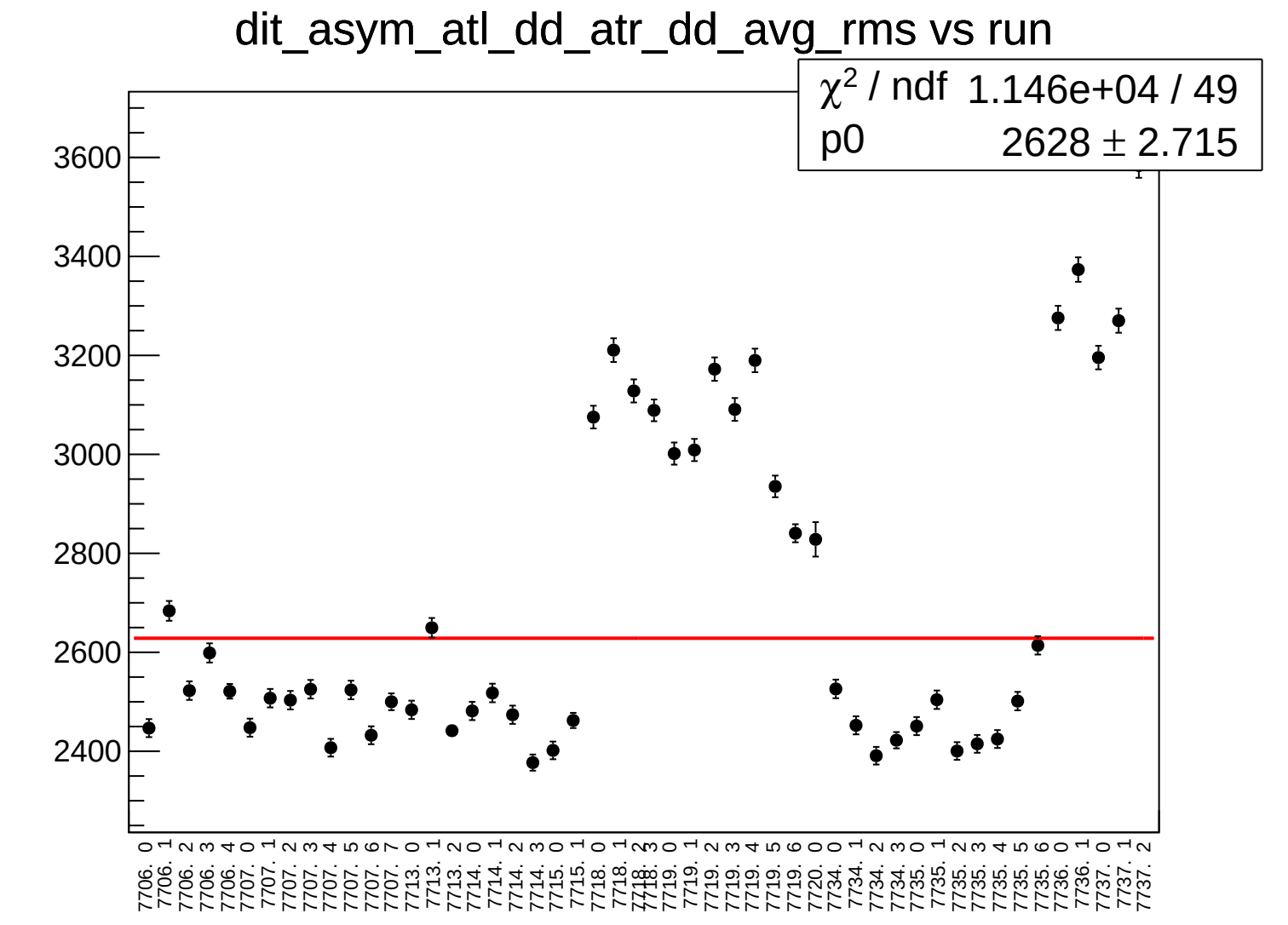

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 9.175e+04 / 49
p0 772.7 ± 0.8346
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

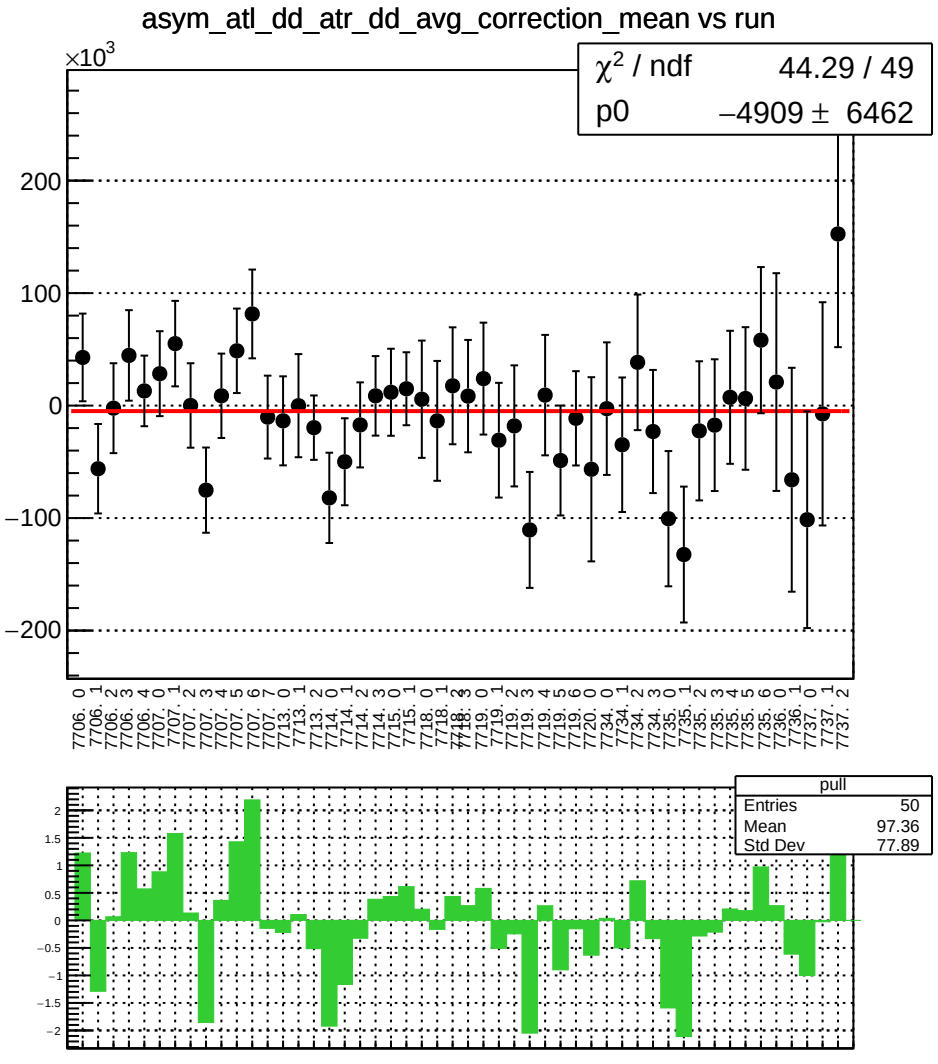

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 45.46 / 49
p0 −1511 ± 2392
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −125.4
Std Dev 148.6
2
1
0
−1
−2

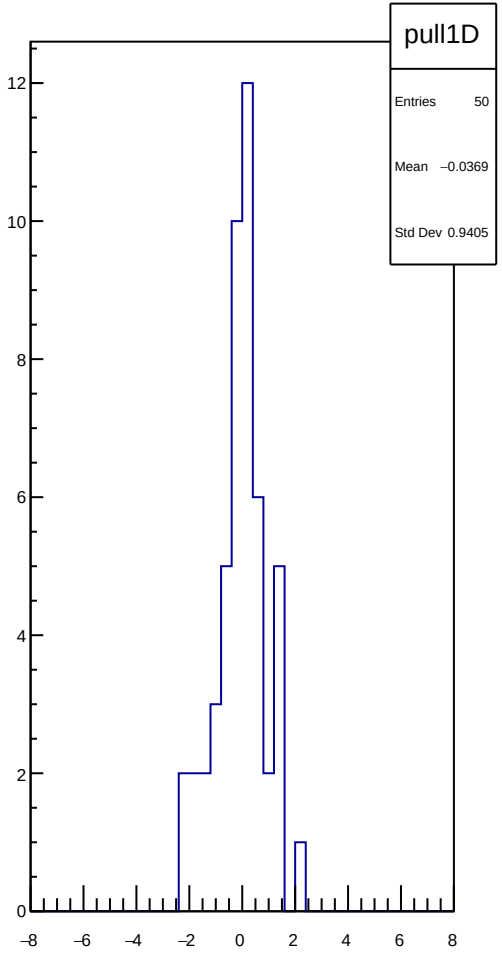

pull1D
Entries 50
Mean 0.007102
Std Dev 0.9535
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

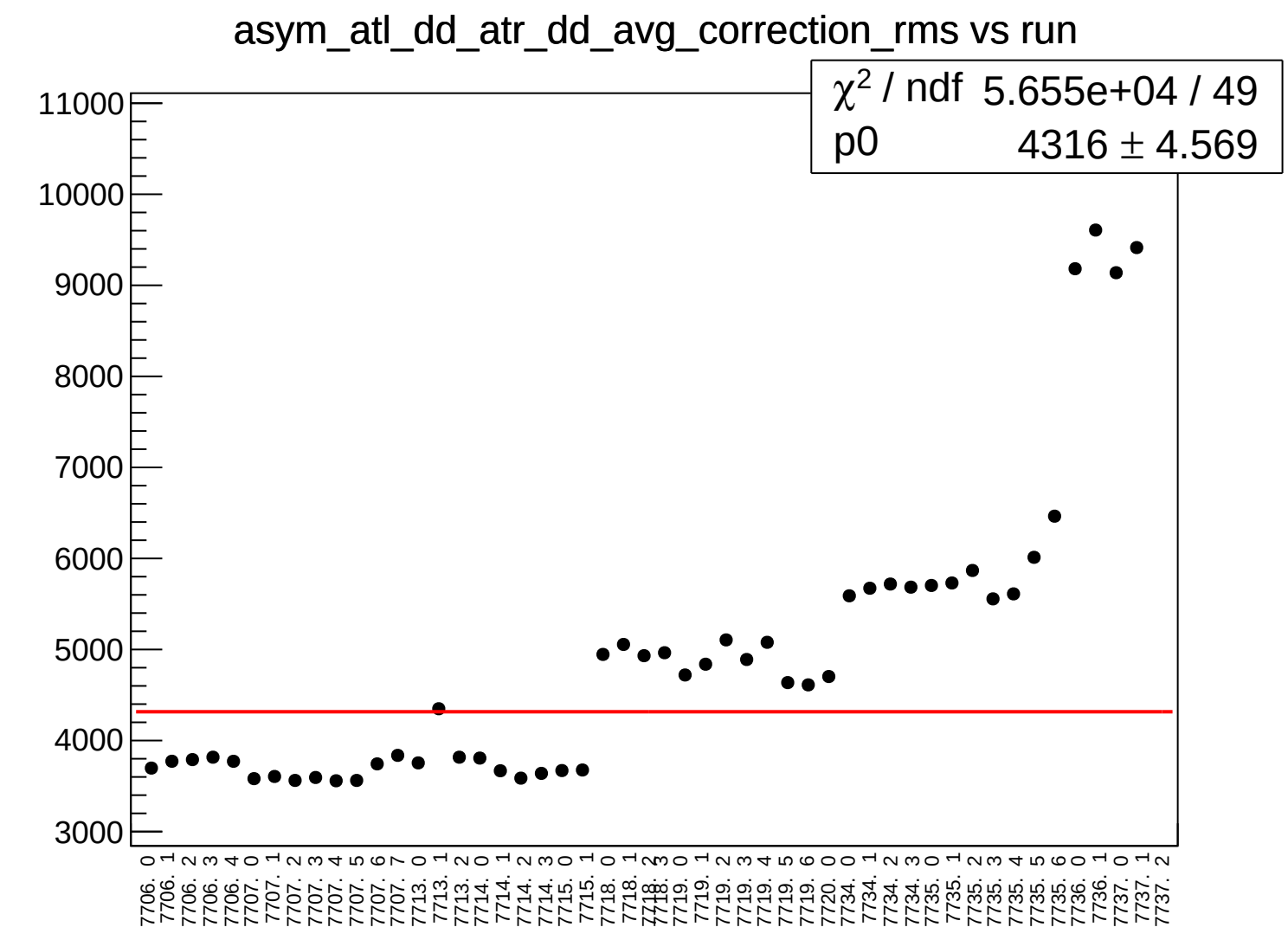

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5949 / 49
p0 1643 ± 1.692
2300
2200
2100
2000
1900
1800
1700
1600
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

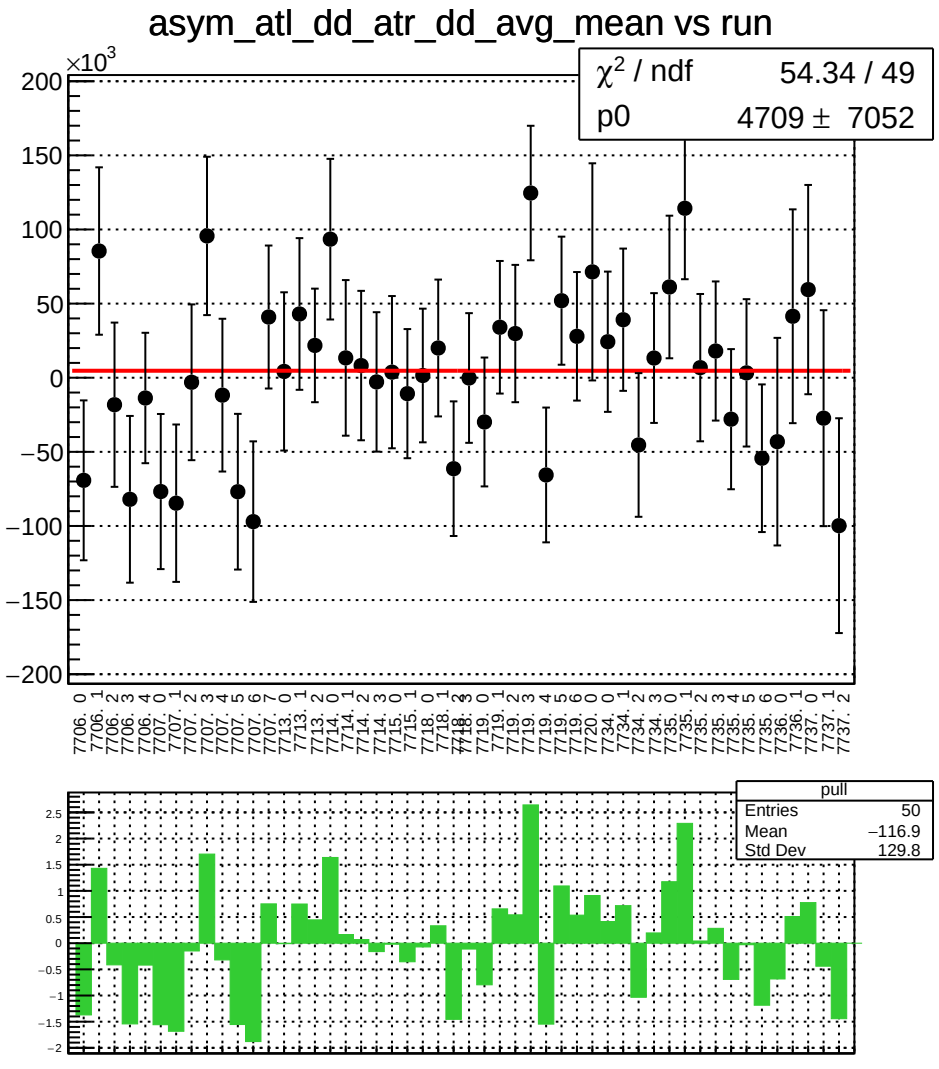

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 32.93 / 49
p0 −4890 ± 3839
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 17.97
Std Dev 59.15
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.009577
Std Dev 0.8115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

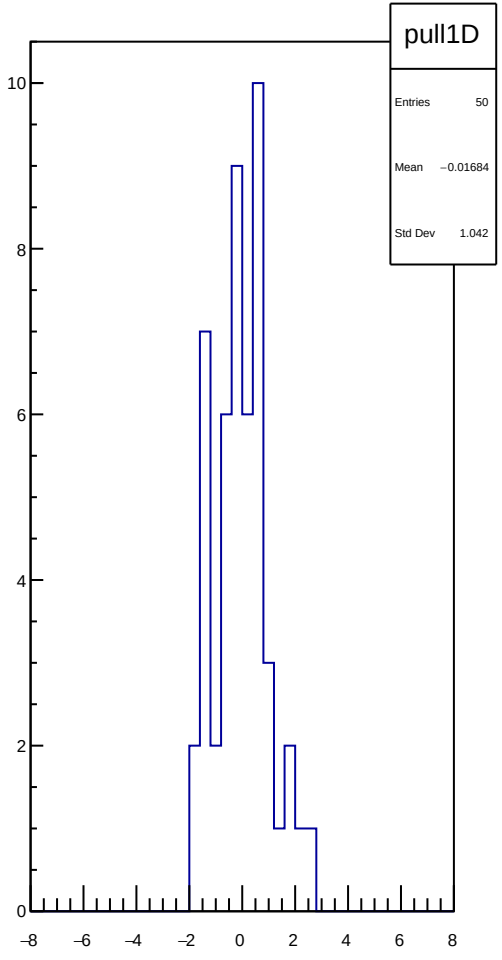

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.146e+04 / 49
p0 2628 ± 2.715
3600
3400
3200
3000
2800
2600
2400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

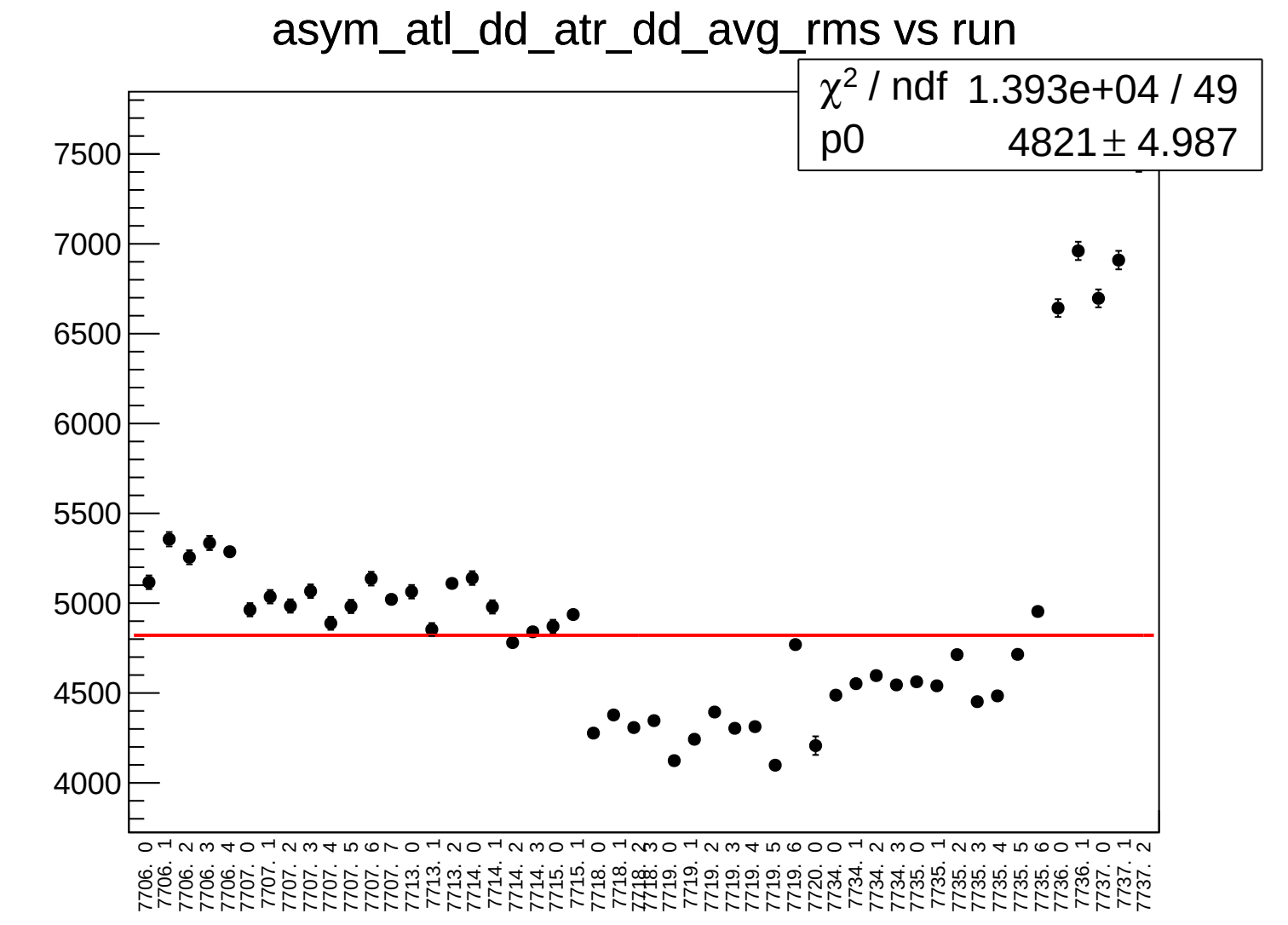

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 44.29 / 49
p0 −4909 ± 6462
200
100
0
−100
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 97.36
Std Dev 77.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

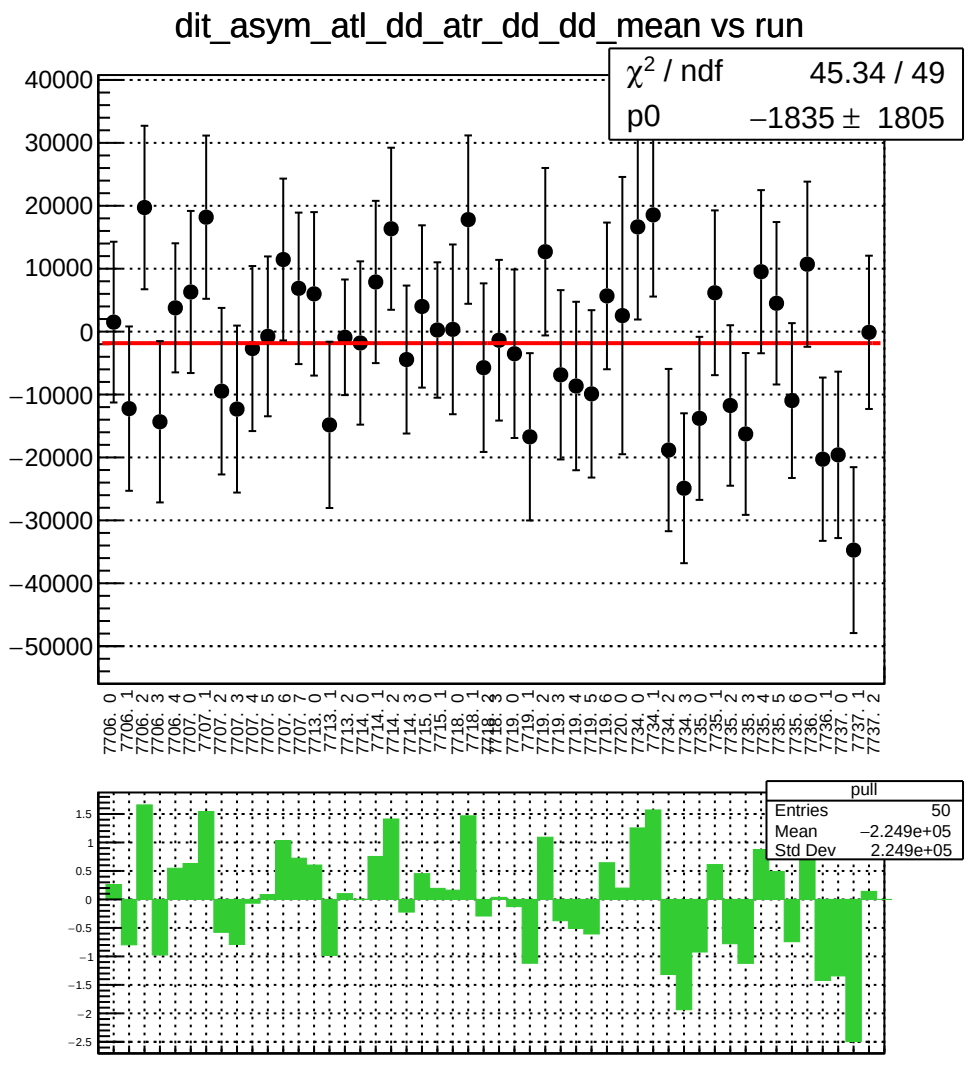

pull1D
Entries 50
Mean −0.0369
Std Dev 0.9405
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

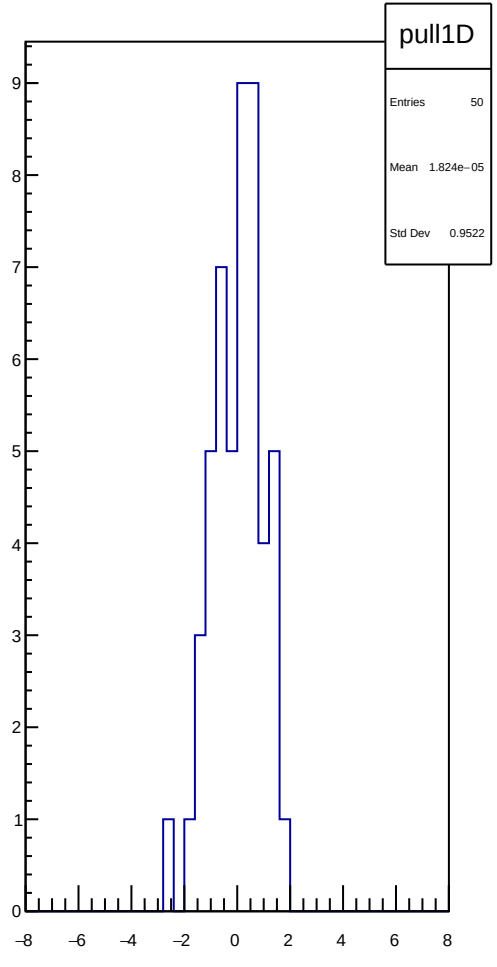

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5.655e+04 / 49
p0 4316 ± 4.569
11000
10000
9000
8000
7000
6000
5000
4000
3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

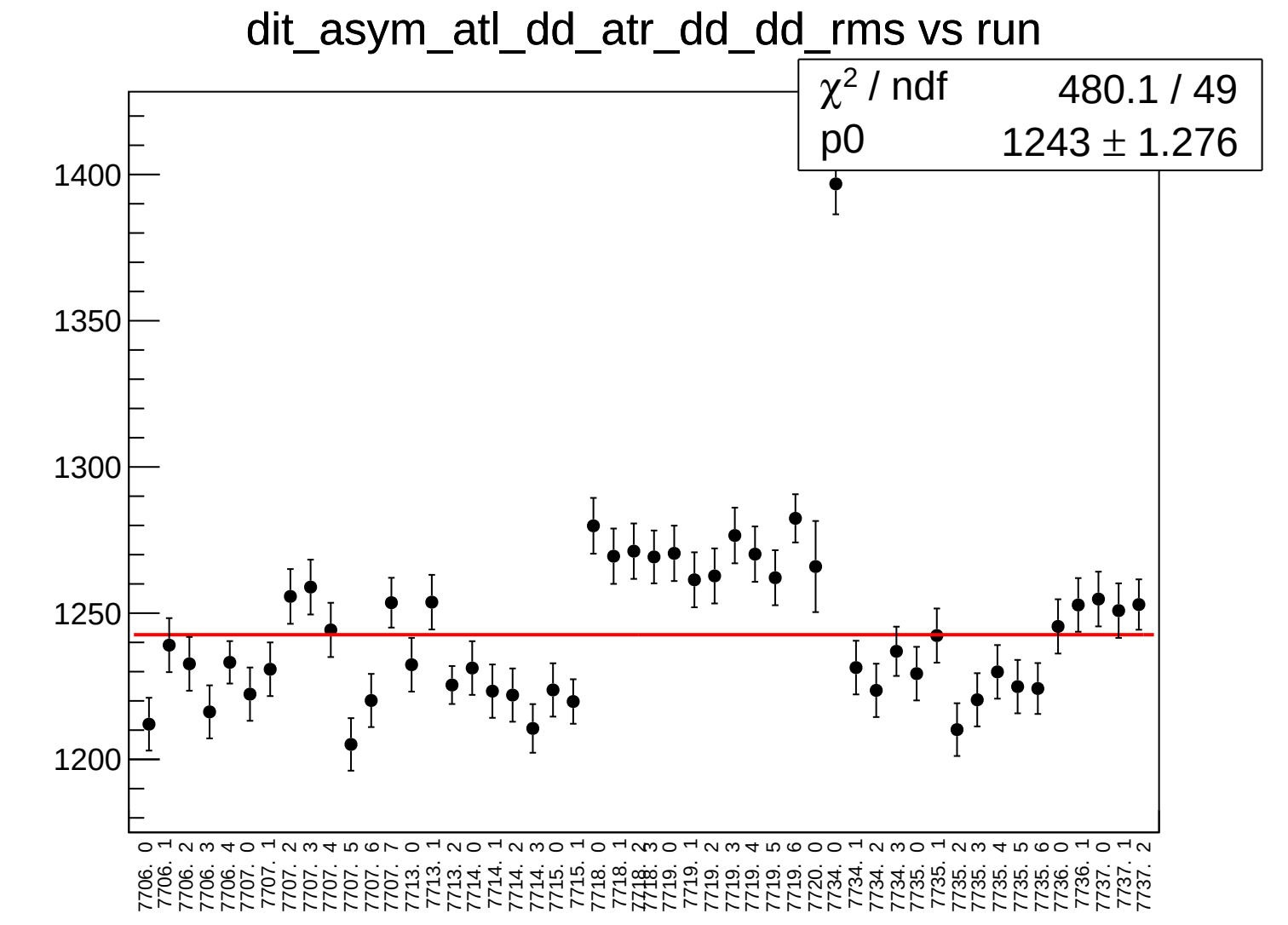

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 54.34 / 49
p0 4709 ± 7052
200
150
100
50
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −116.9
Std Dev 129.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

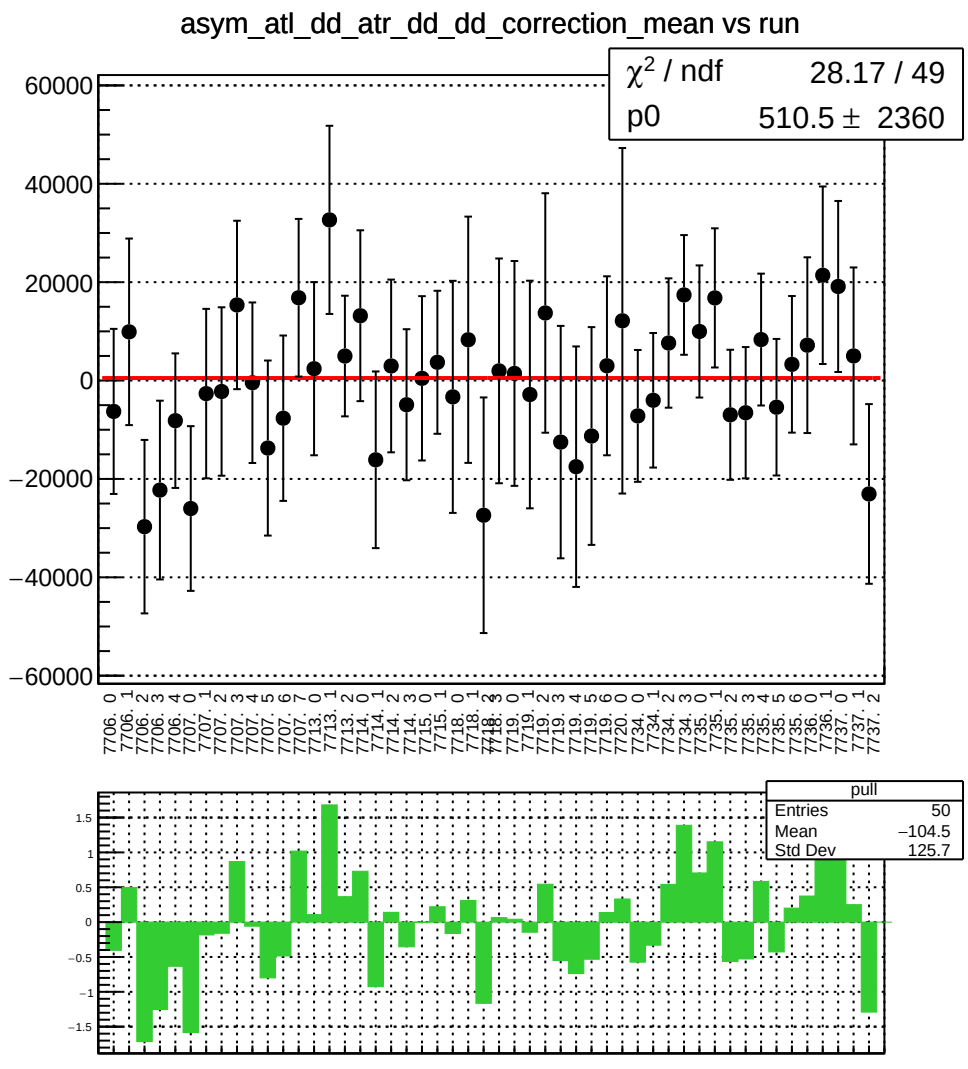

pull1D
Entries 50
Mean −0.01684
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

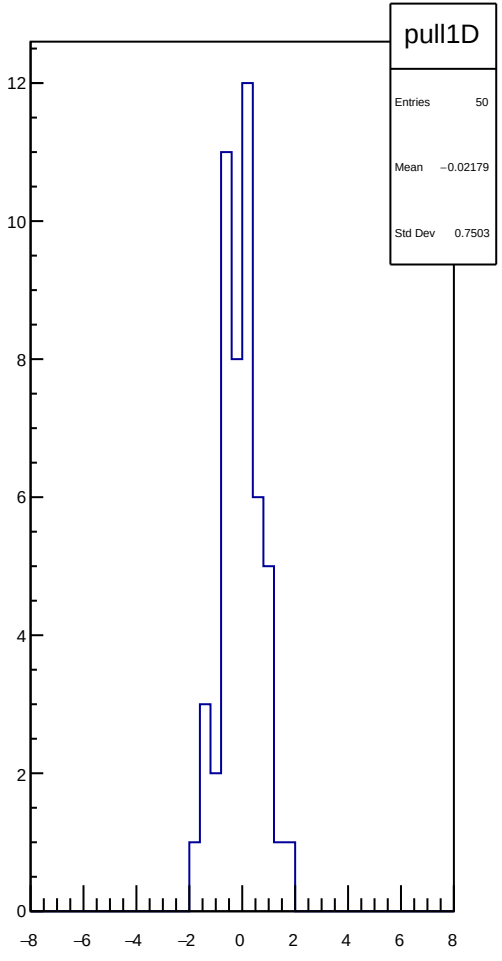

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.393e+04 / 49
p0 4821 ± 4.987
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

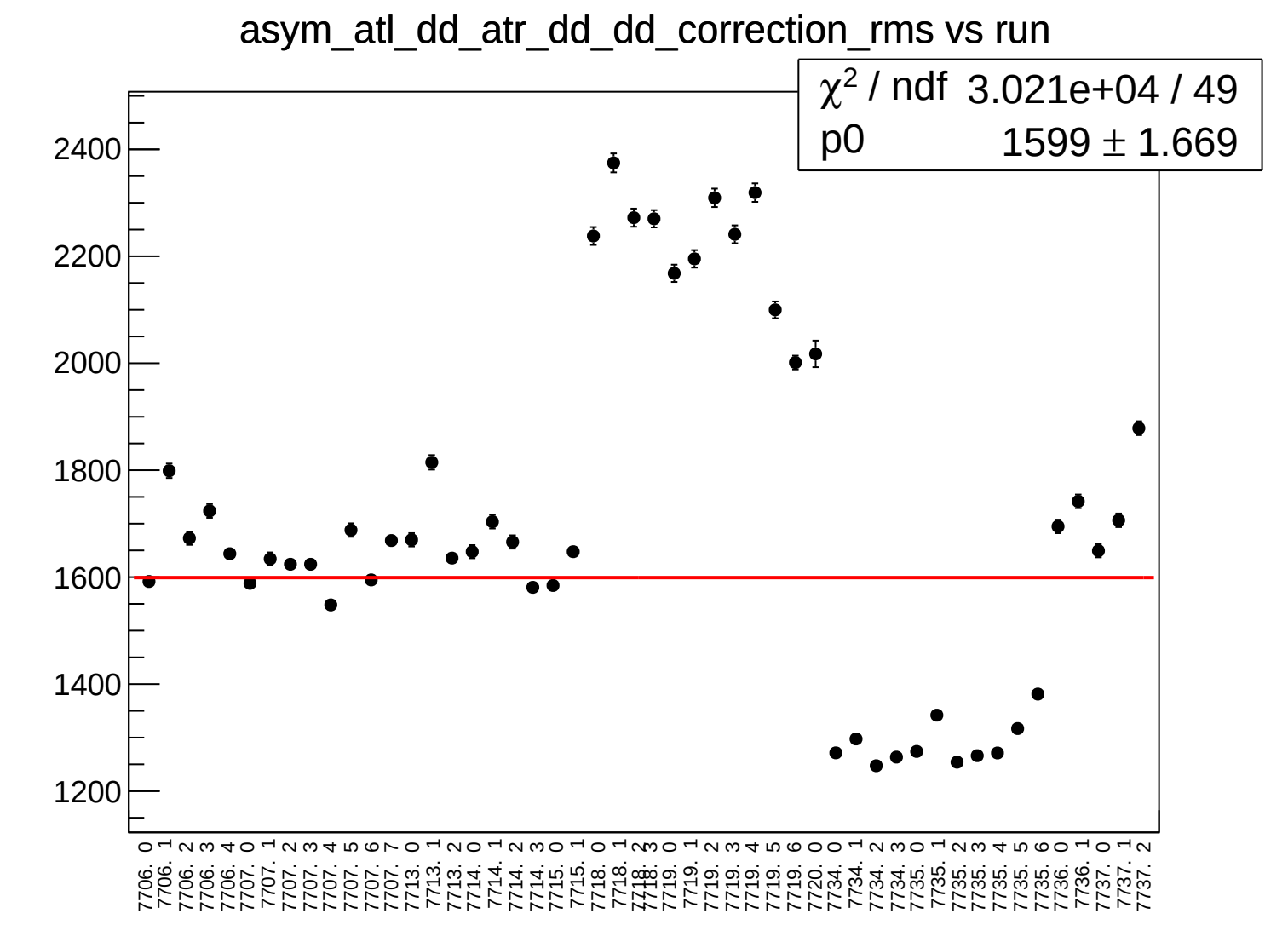

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 45.34 / 49
p0 −1835 ± 1805
pull
Entries 50
Mean −2.249e+05
Std Dev 2.249e+05

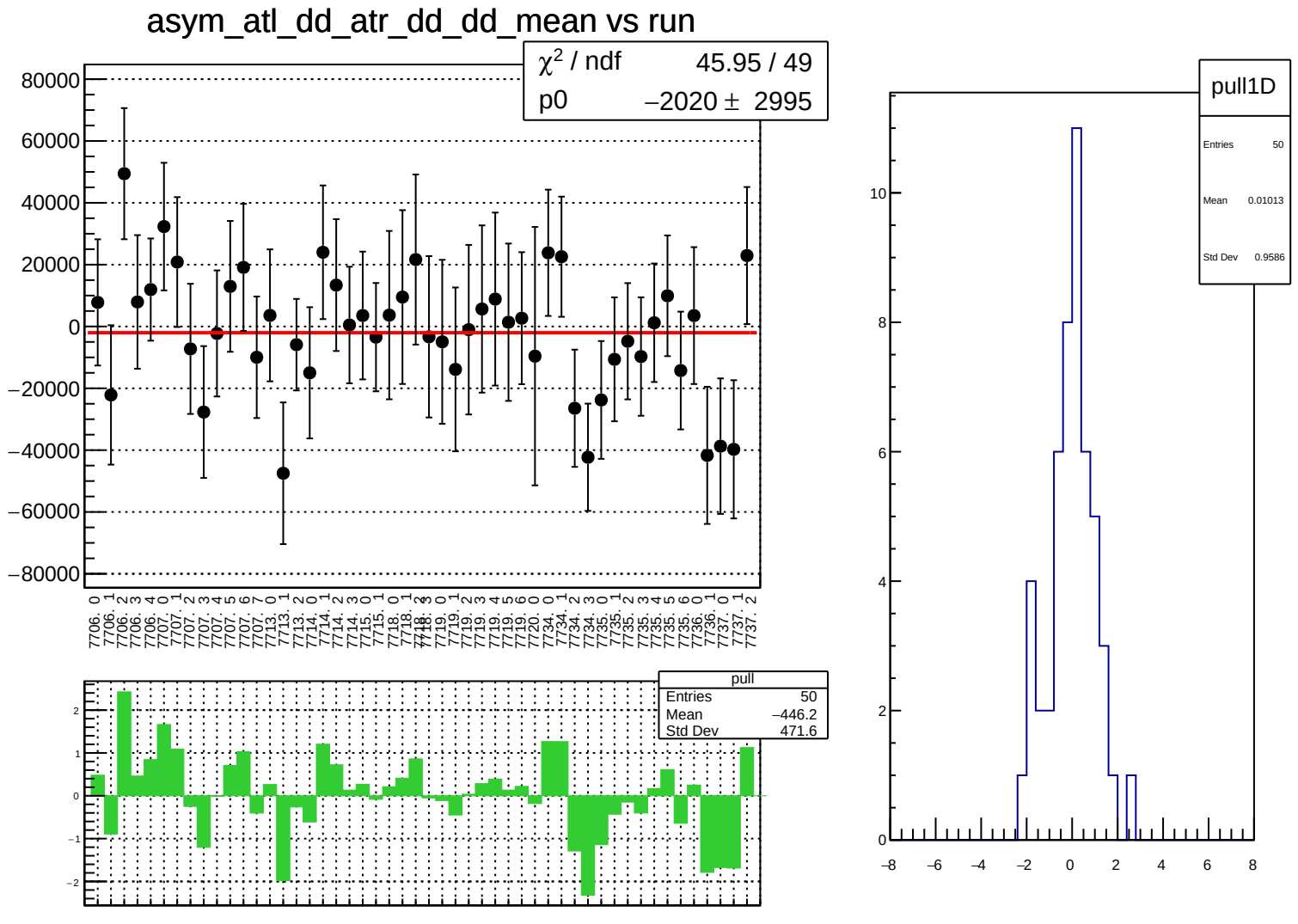

pull1D
Entries 50
Mean 1.824e−05
Std Dev 0.9522

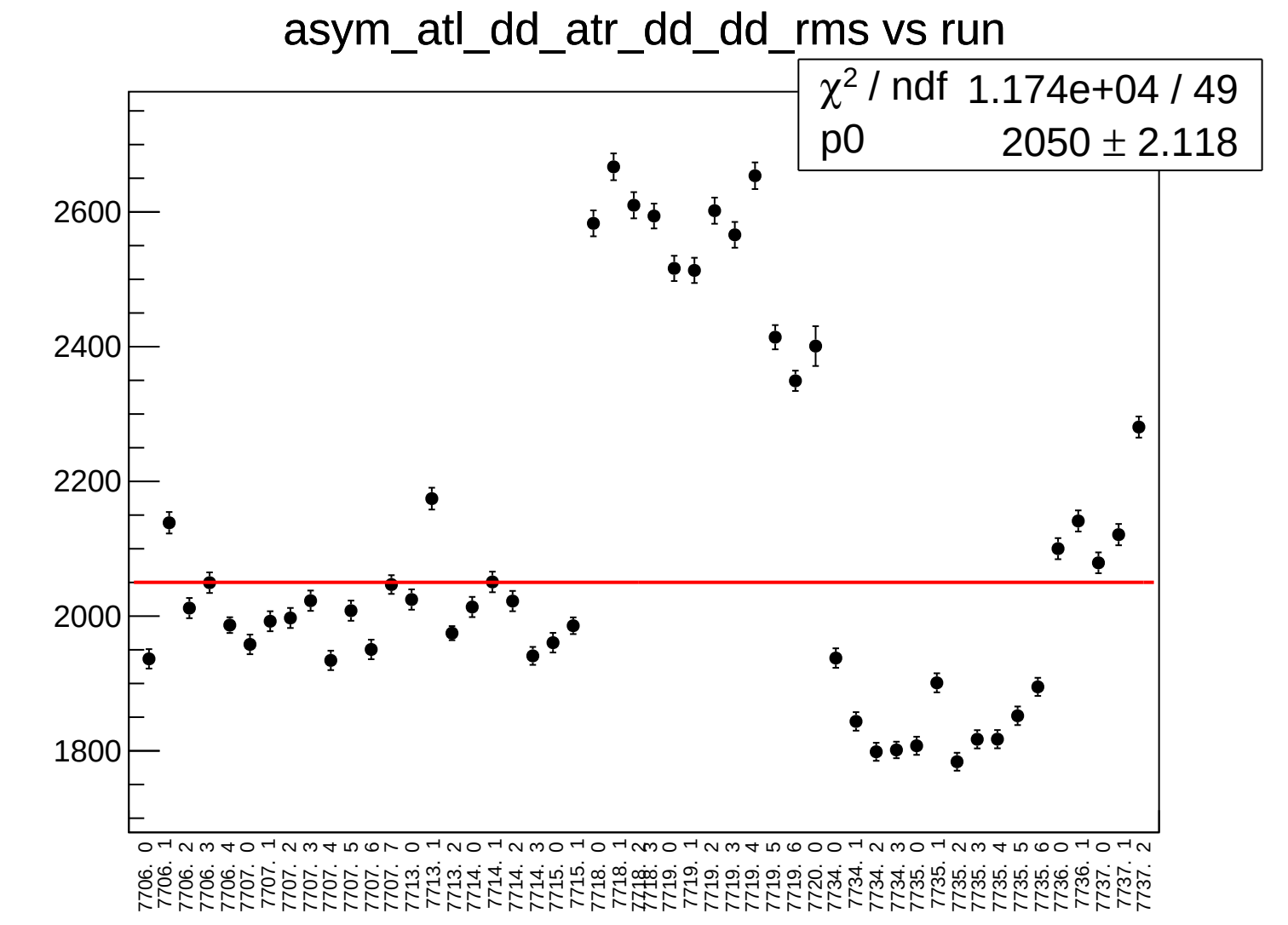

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 480.1 / 49
p0 1243 ± 1.276
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

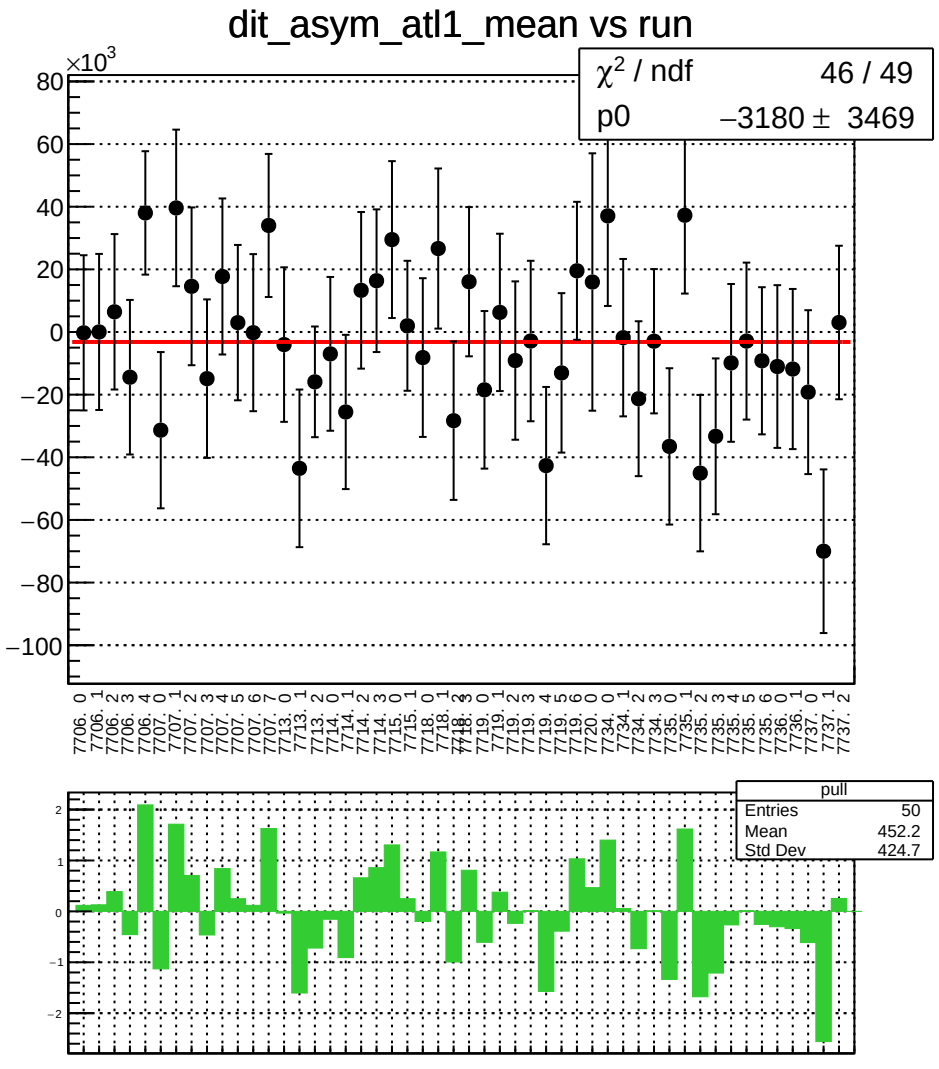

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 28.17 / 49
p0 510.5 ± 2360
pull
Entries 50
Mean −104.5
Std Dev 125.7

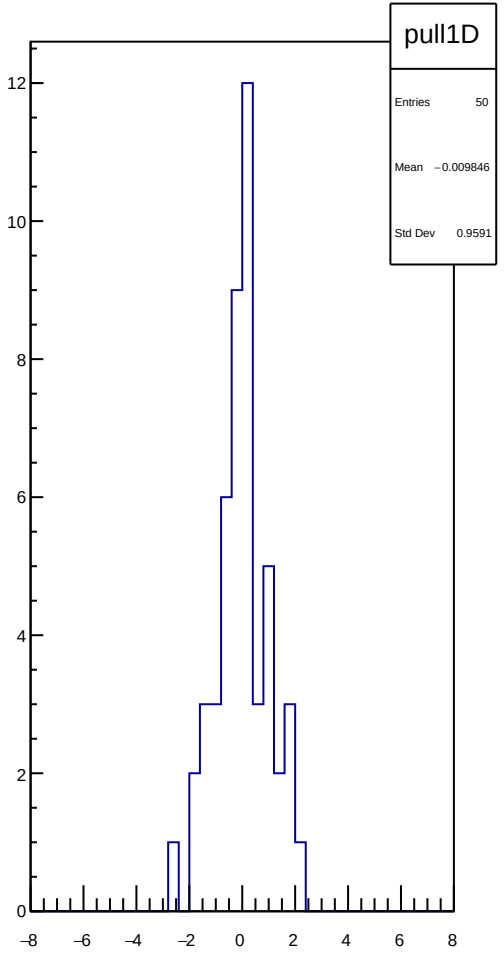

pull1D
Entries 50
Mean −0.02179
Std Dev 0.7503

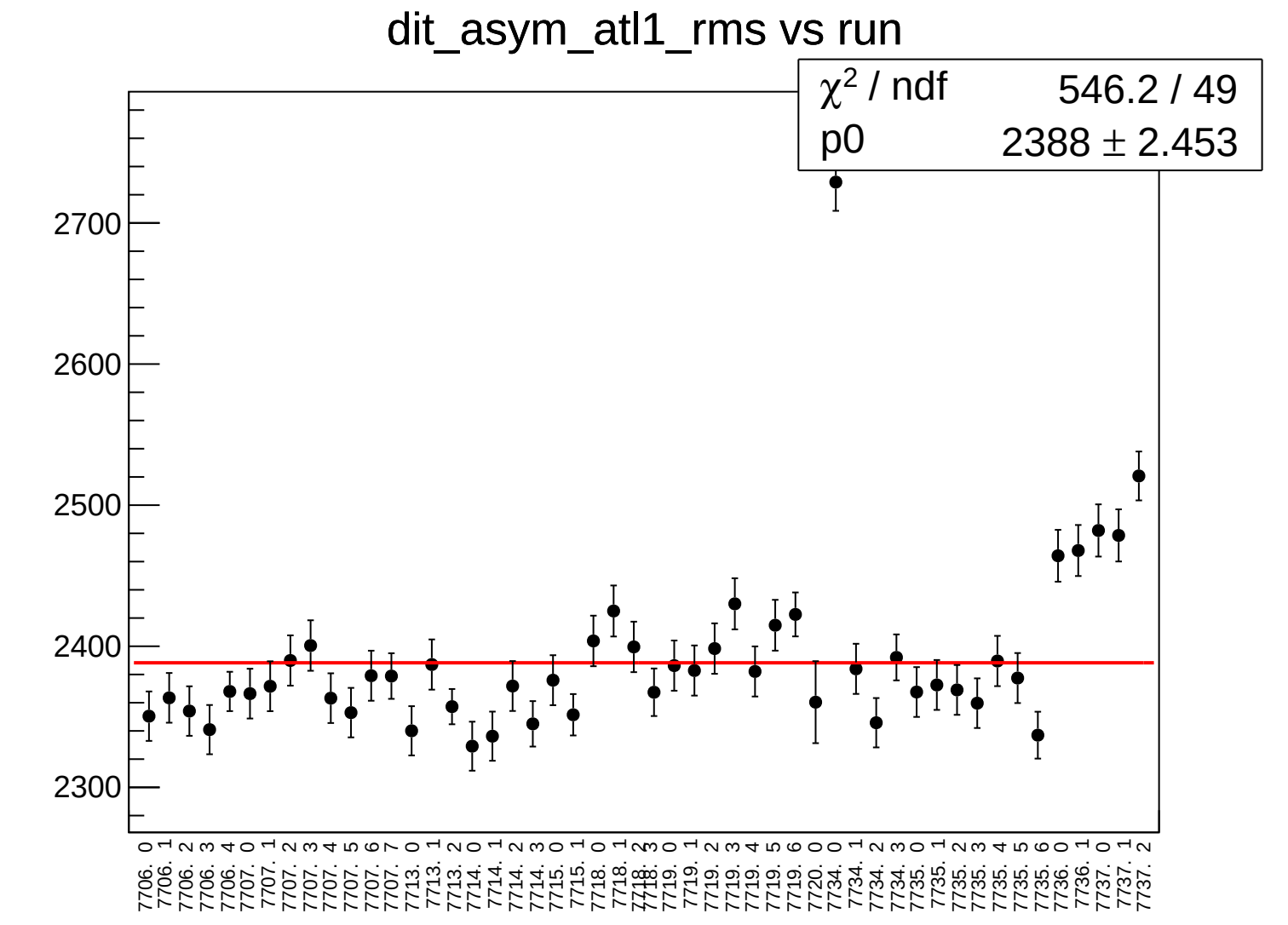

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3.021e+04 / 49
p0 1599 ± 1.669
2400
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

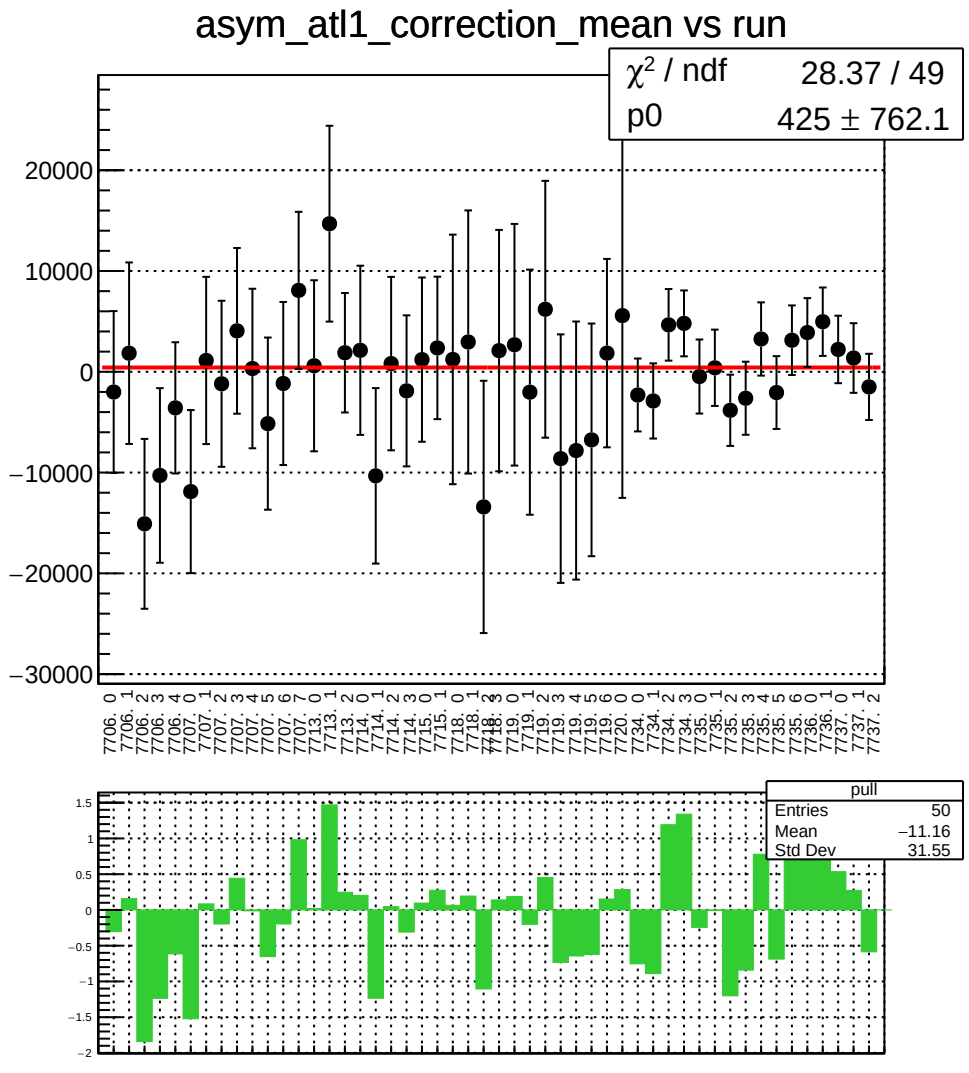

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 45.95 / 49
p0 −2020 ± 2995
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −446.2
Std Dev 471.6
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01013
Std Dev 0.9586
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

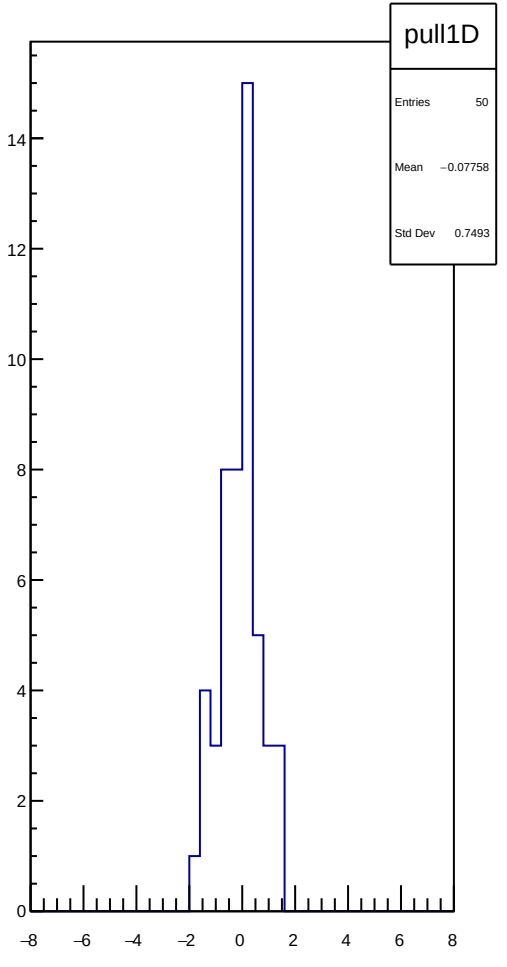

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.174e+04 / 49
p0 2050 ± 2.118
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

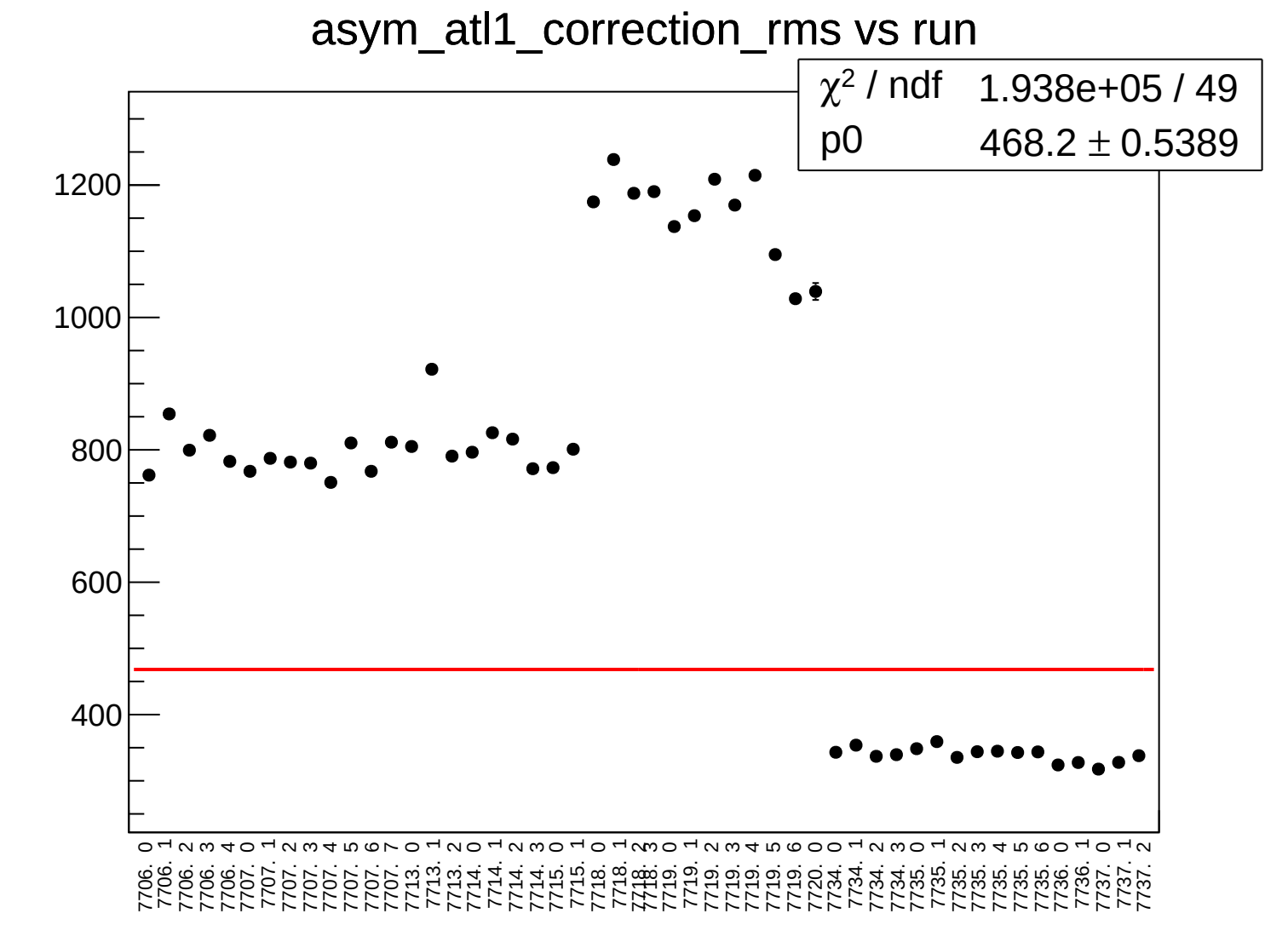

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 46 / 49
p0 −3180 ± 3469
pull
Entries 50
Mean 452.2
Std Dev 424.7

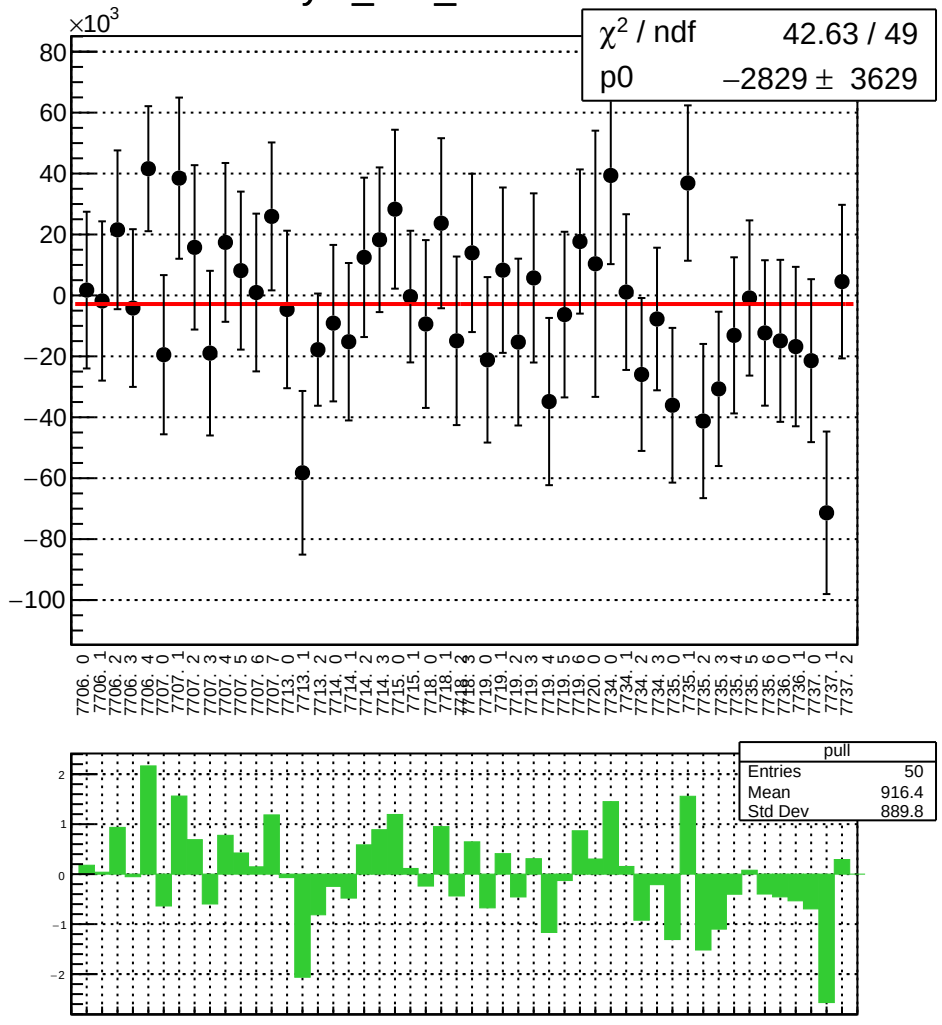

pull1D
Entries 50
Mean −0.009846
Std Dev 0.9591

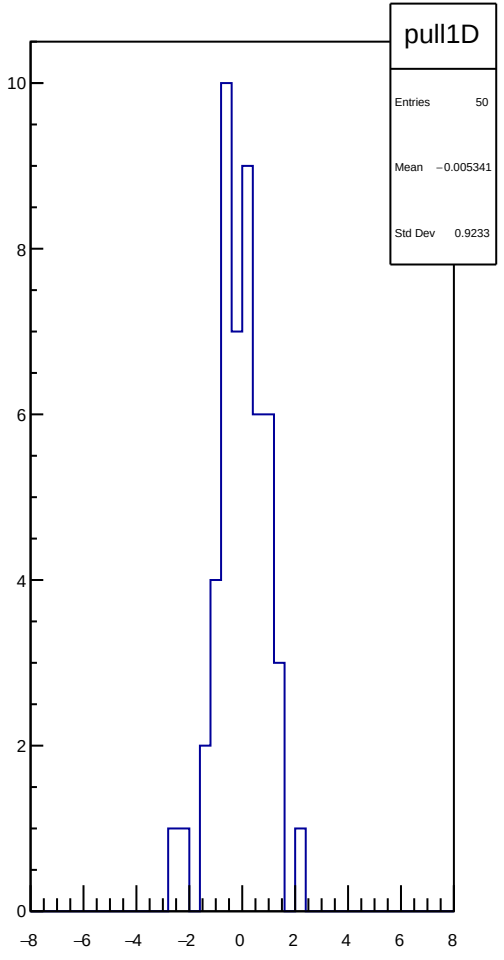

dit_asym_atl1_rms vs run
χ^2 / ndf 546.2 / 49
p0 2388 ± 2.453
2700
2600
2500
2400
2300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

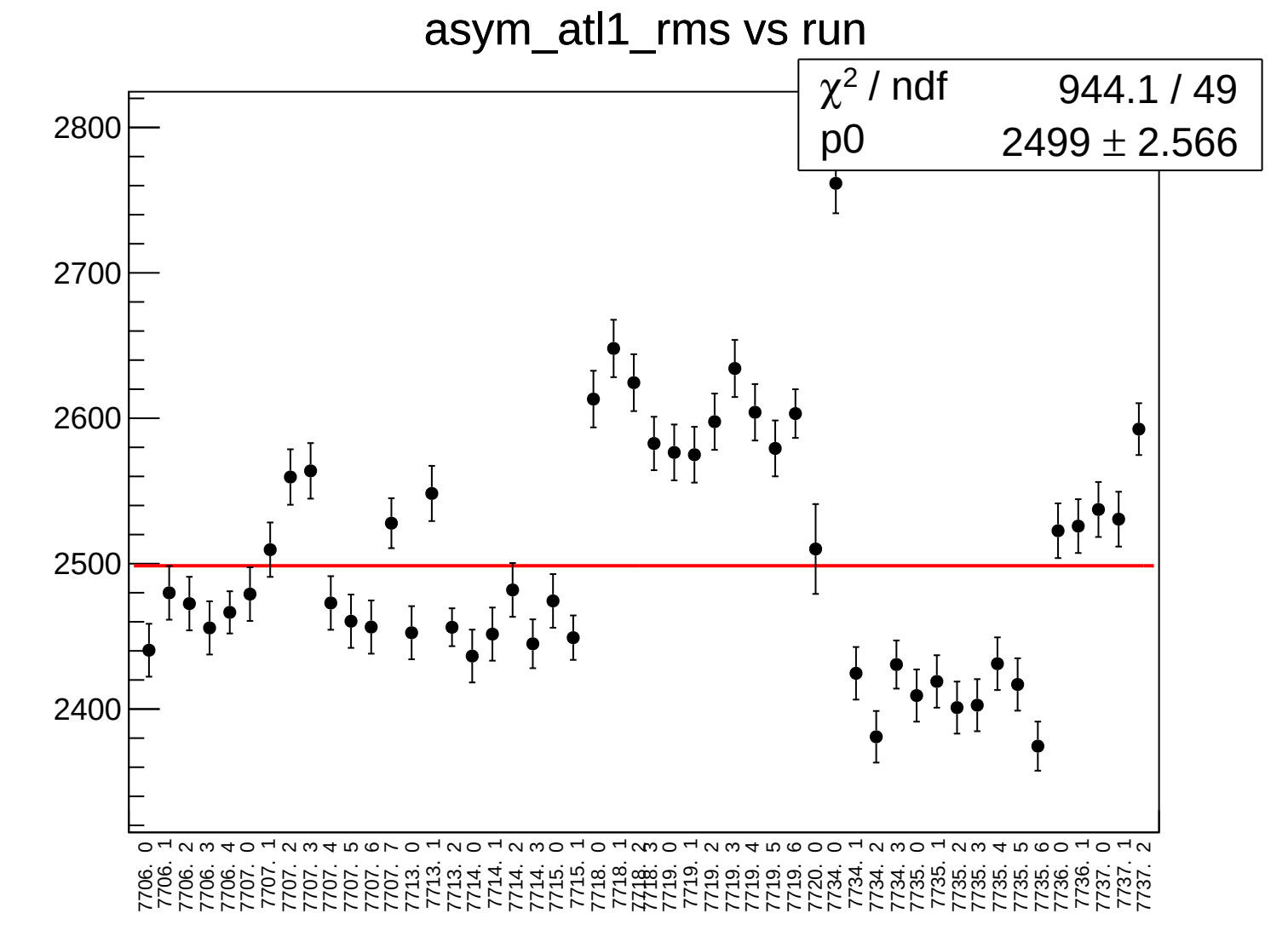

asym_atl1_correction_mean vs run
χ² / ndf 28.37 / 49
p0 425 ± 762.1
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −11.16
Std Dev 31.55
1.5
1
0.5
0
−0.5
−1
−1.5
−2

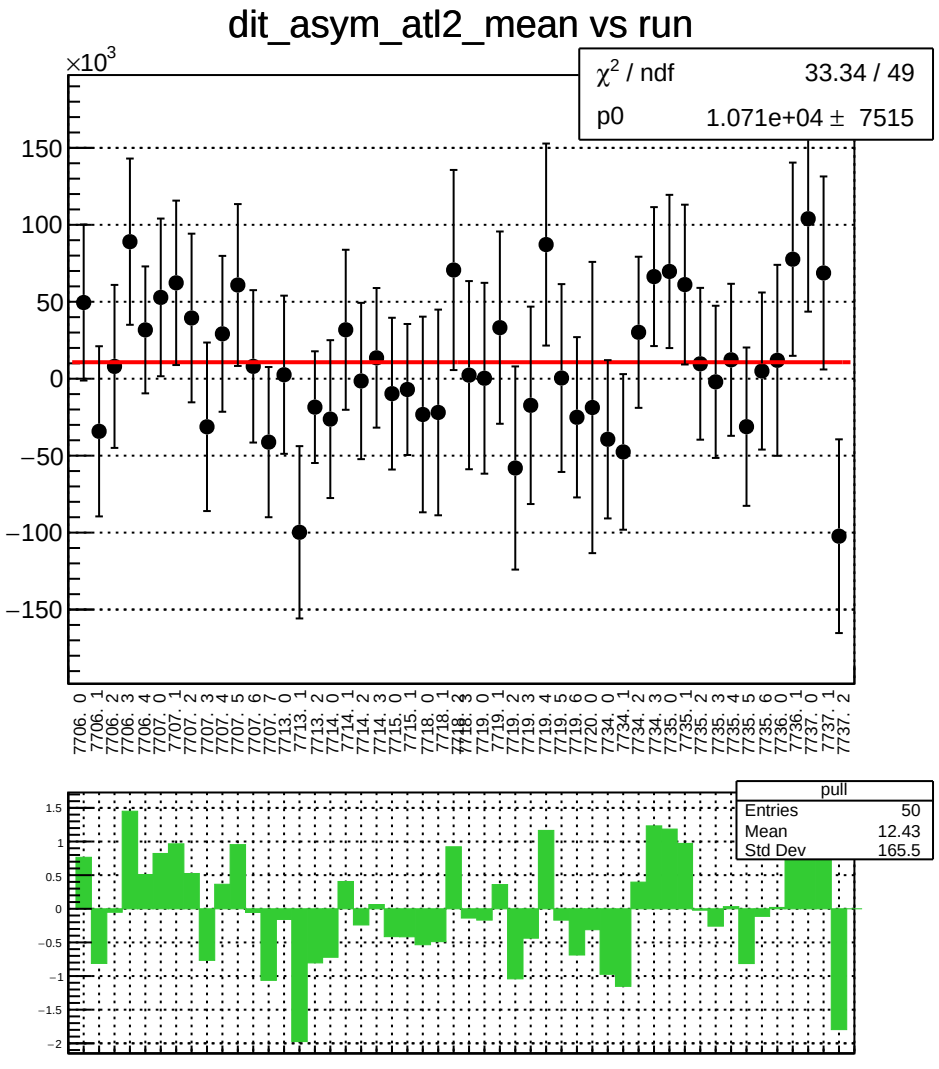

pull1D
Entries 50
Mean −0.07758
Std Dev 0.7493
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

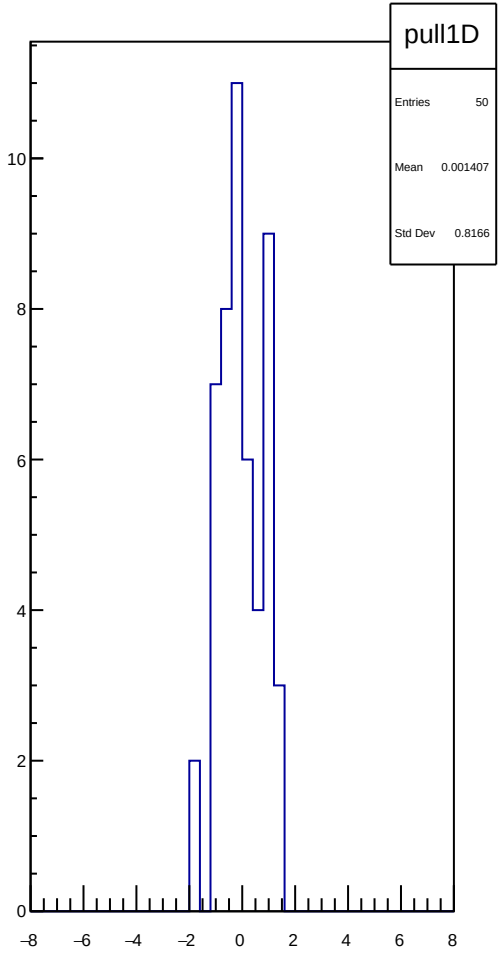

asym_atl1_correction_rms vs run
χ² / ndf 1.938e+05 / 49
p0 468.2 ± 0.5389
1200
1000
800
600
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

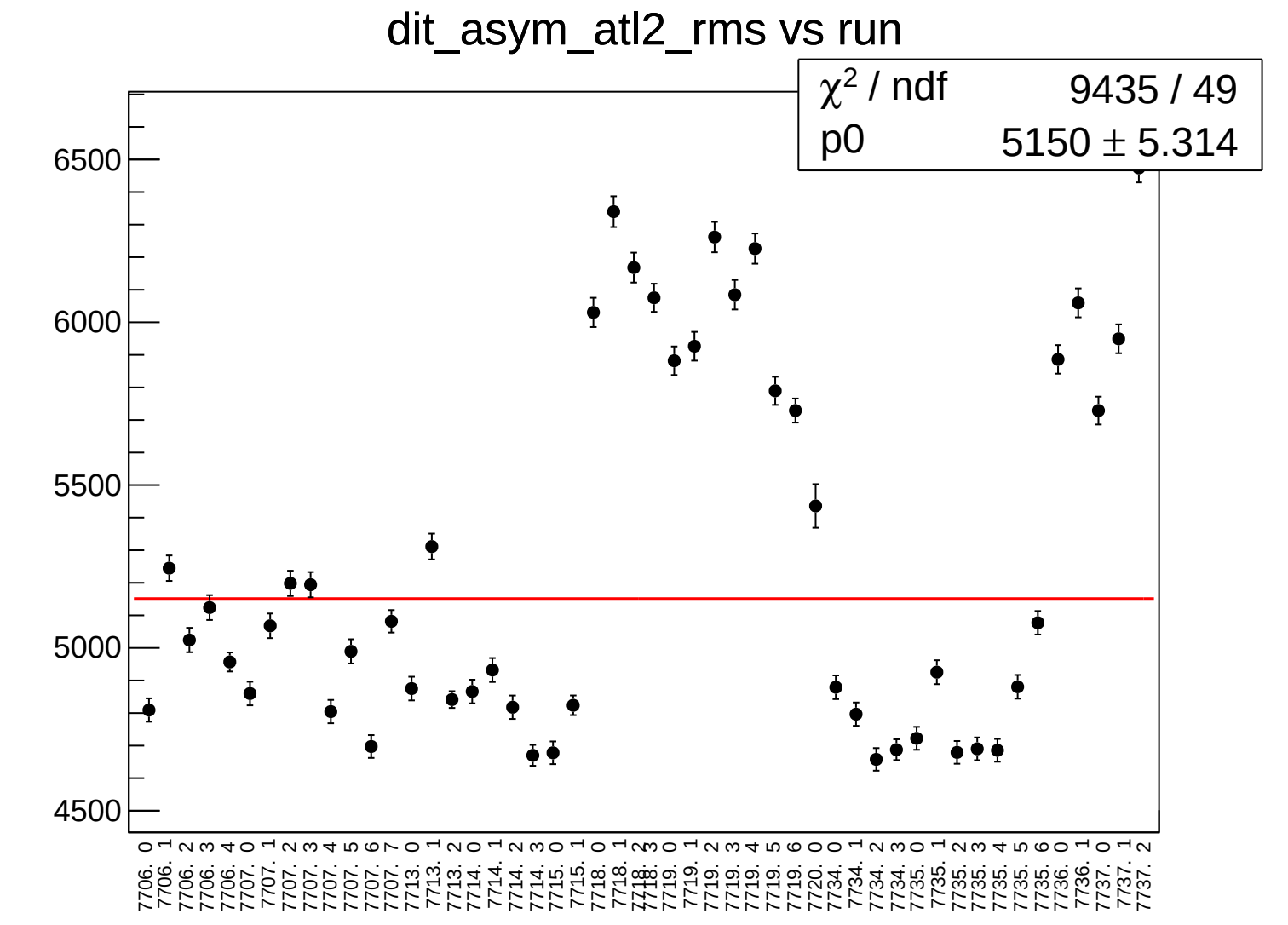

asym_atl1_mean vs run
×10^3
χ² / ndf 42.63 / 49
p0 −2829 ± 3629
pull
Entries 50
Mean 916.4
Std Dev 889.8

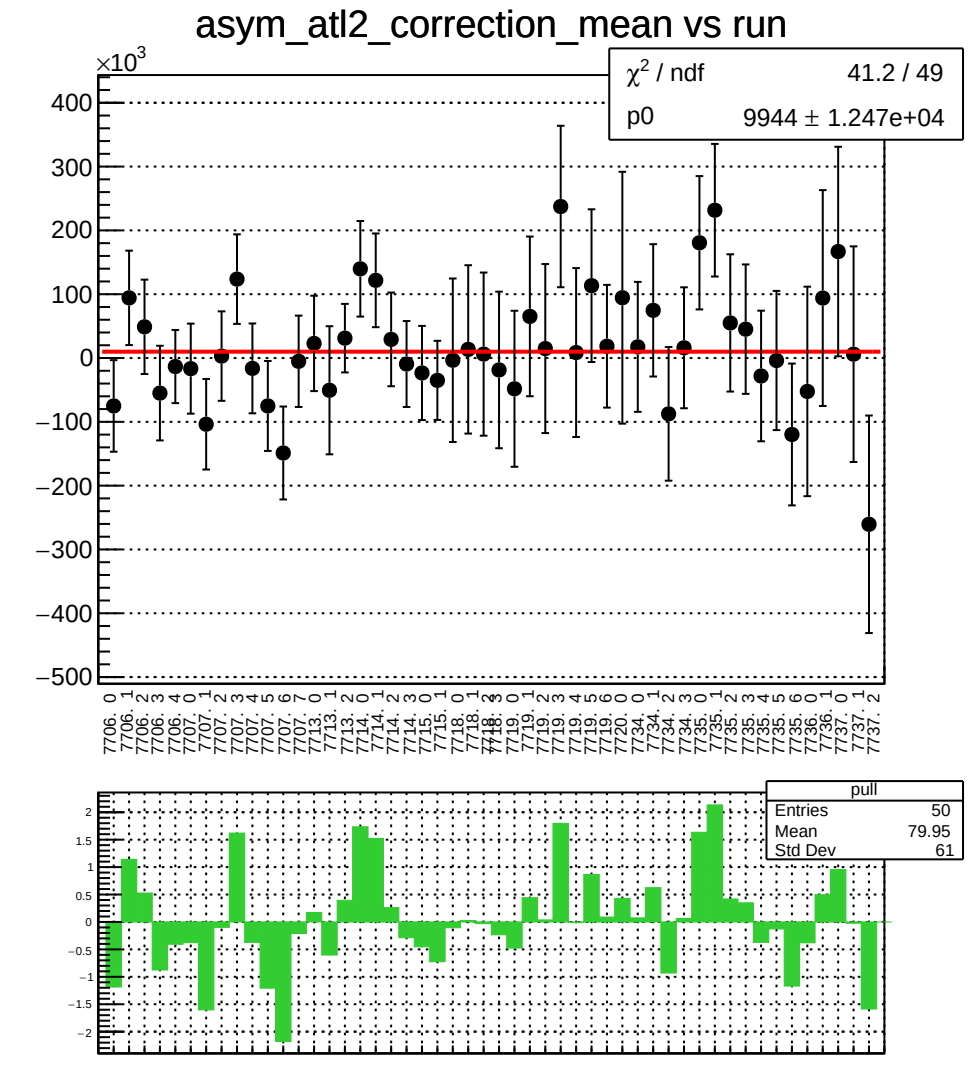

pull1D
Entries 50
Mean −0.005341
Std Dev 0.9233

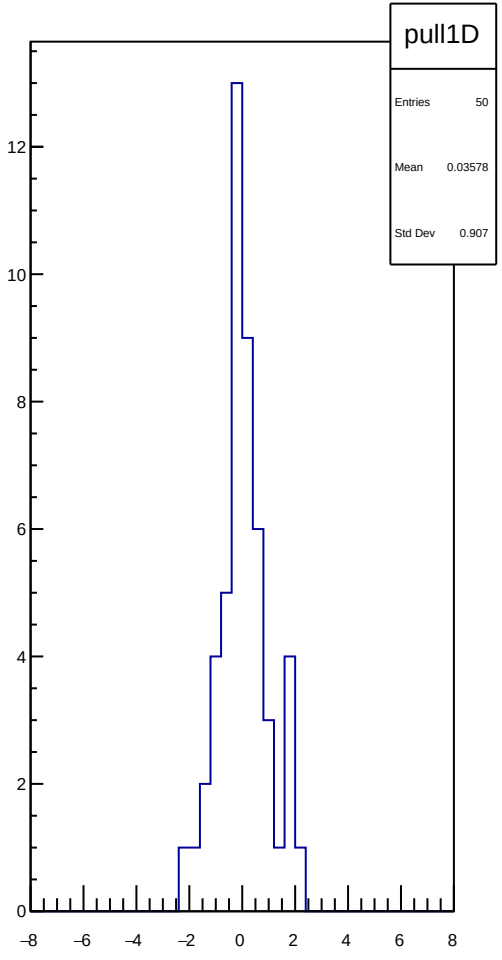

asym_atl1_rms vs run
χ² / ndf 944.1 / 49
p0 2499 ± 2.566
2800
2700
2600
2500
2400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

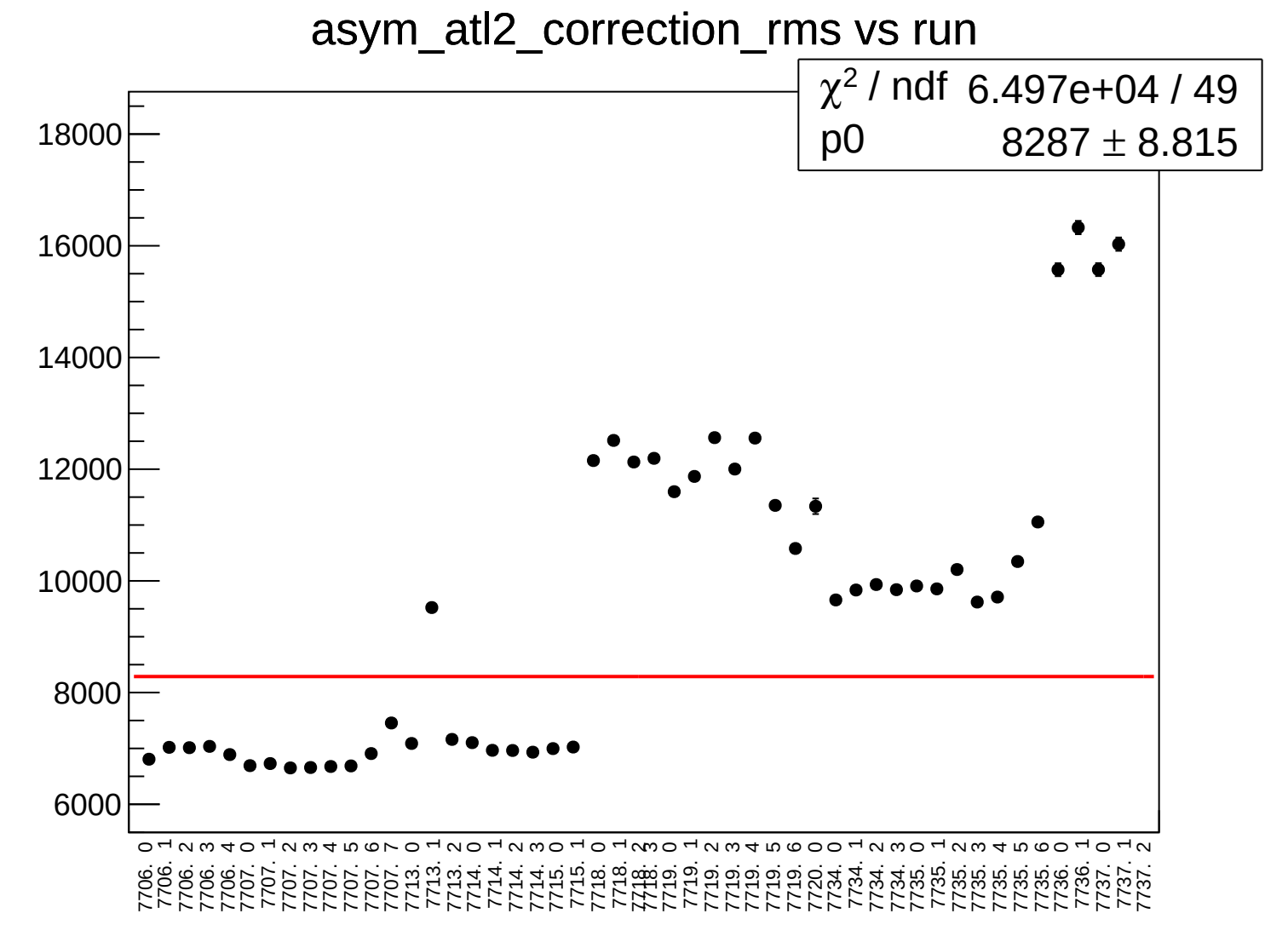

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 33.34 / 49
p0 1.071e+04 ± 7515
150
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 12.43
Std Dev 165.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

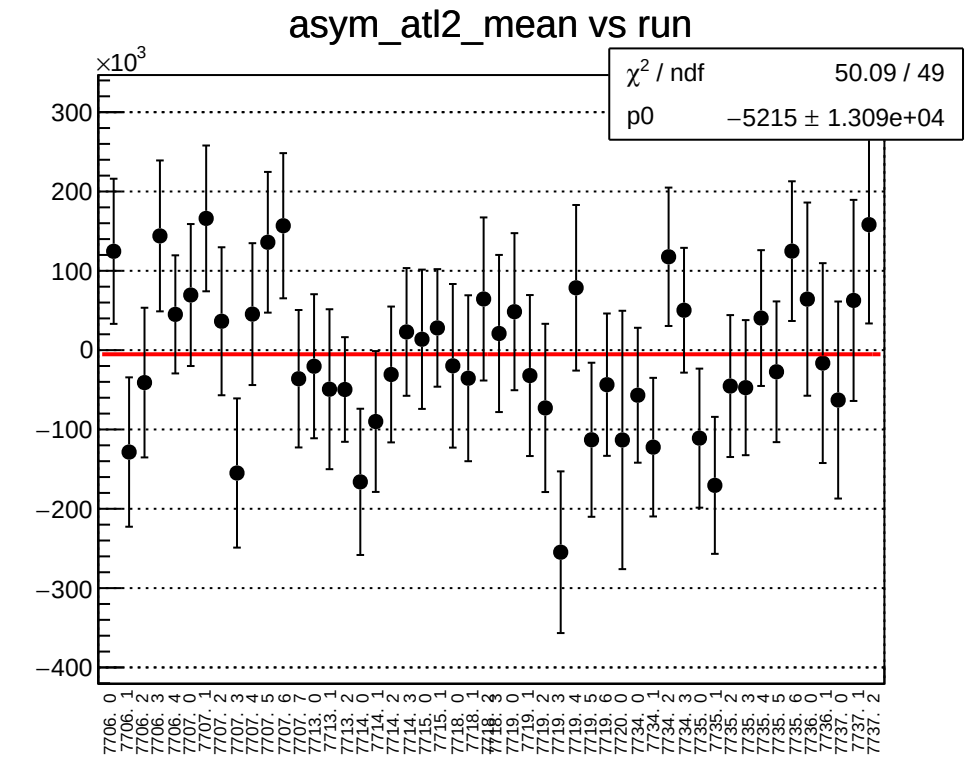

pull1D
Entries 50
Mean 0.001407
Std Dev 0.8166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

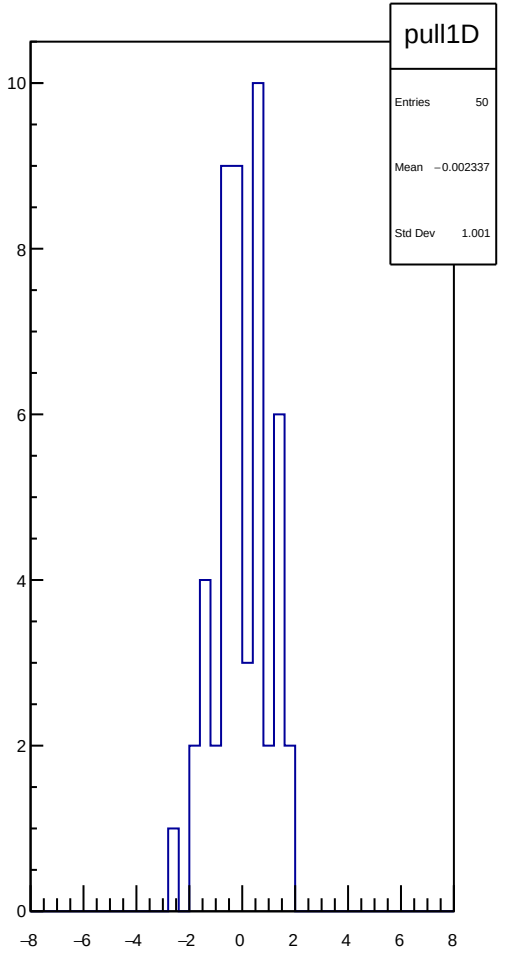

dit_asym_atl2_rms vs run
χ² / ndf 9435 / 49
p0 5150 ± 5.314
6500
6000
5500
5000
4500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

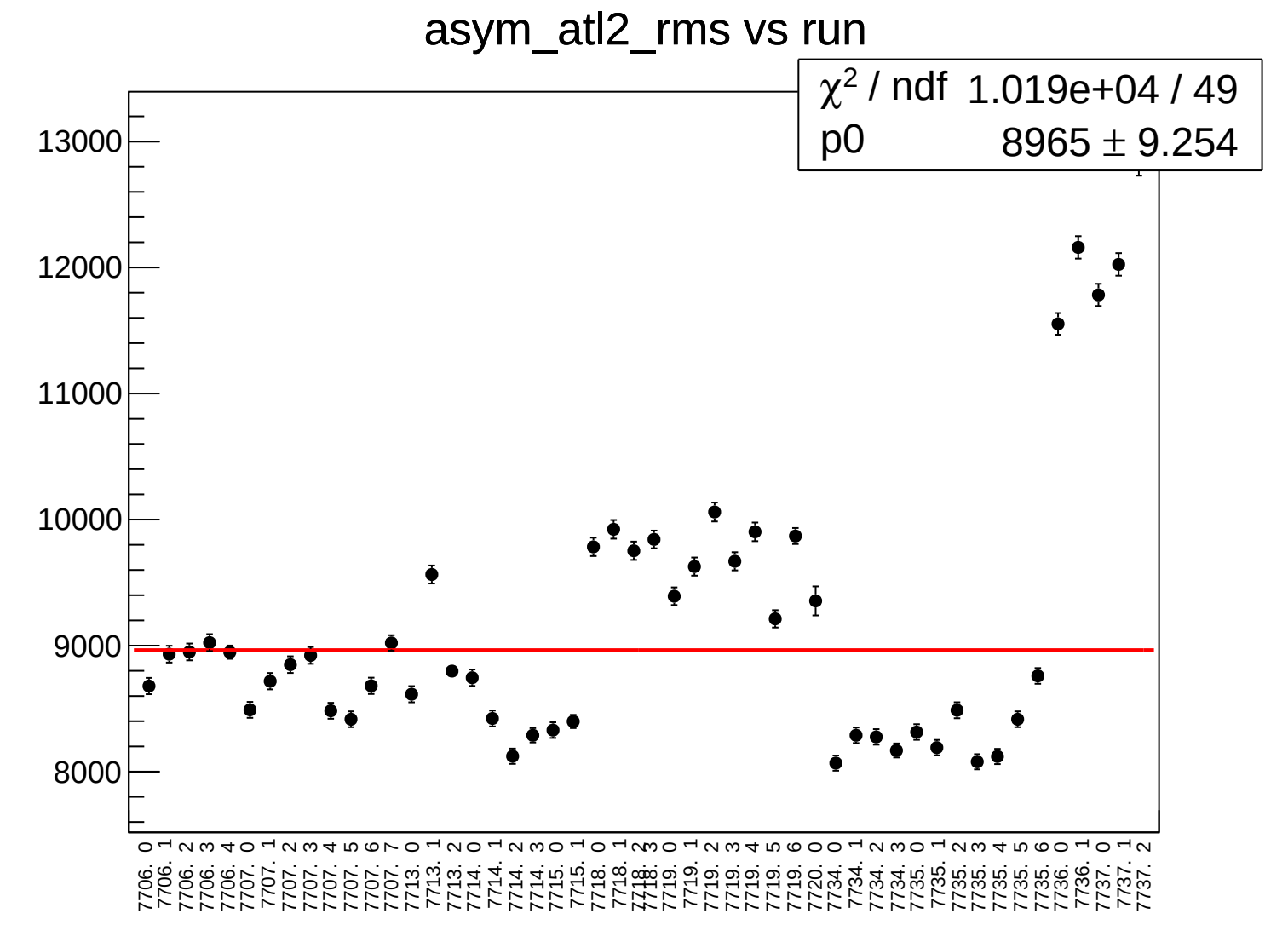

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 41.2 / 49
p0 9944 ± 1.247e+04
pull
Entries 50
Mean 79.95
Std Dev 61

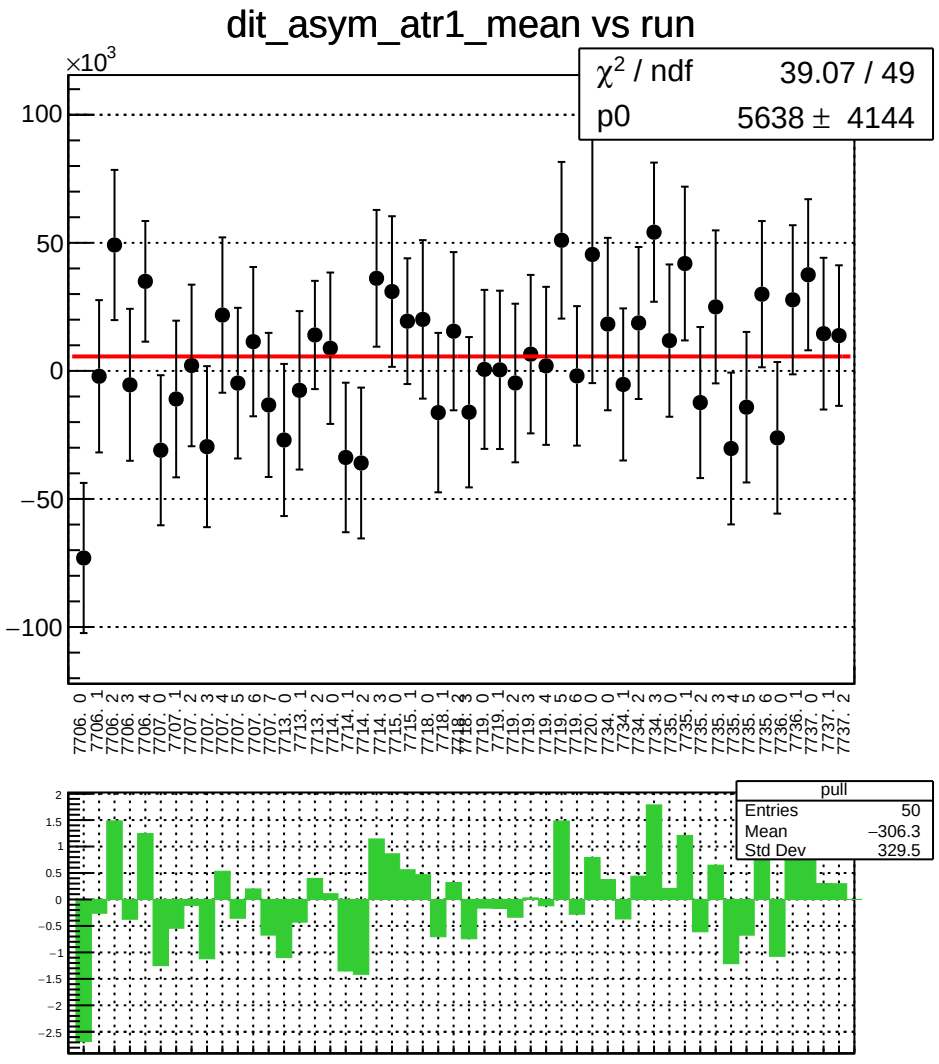

pull1D
Entries 50
Mean 0.03578
Std Dev 0.907

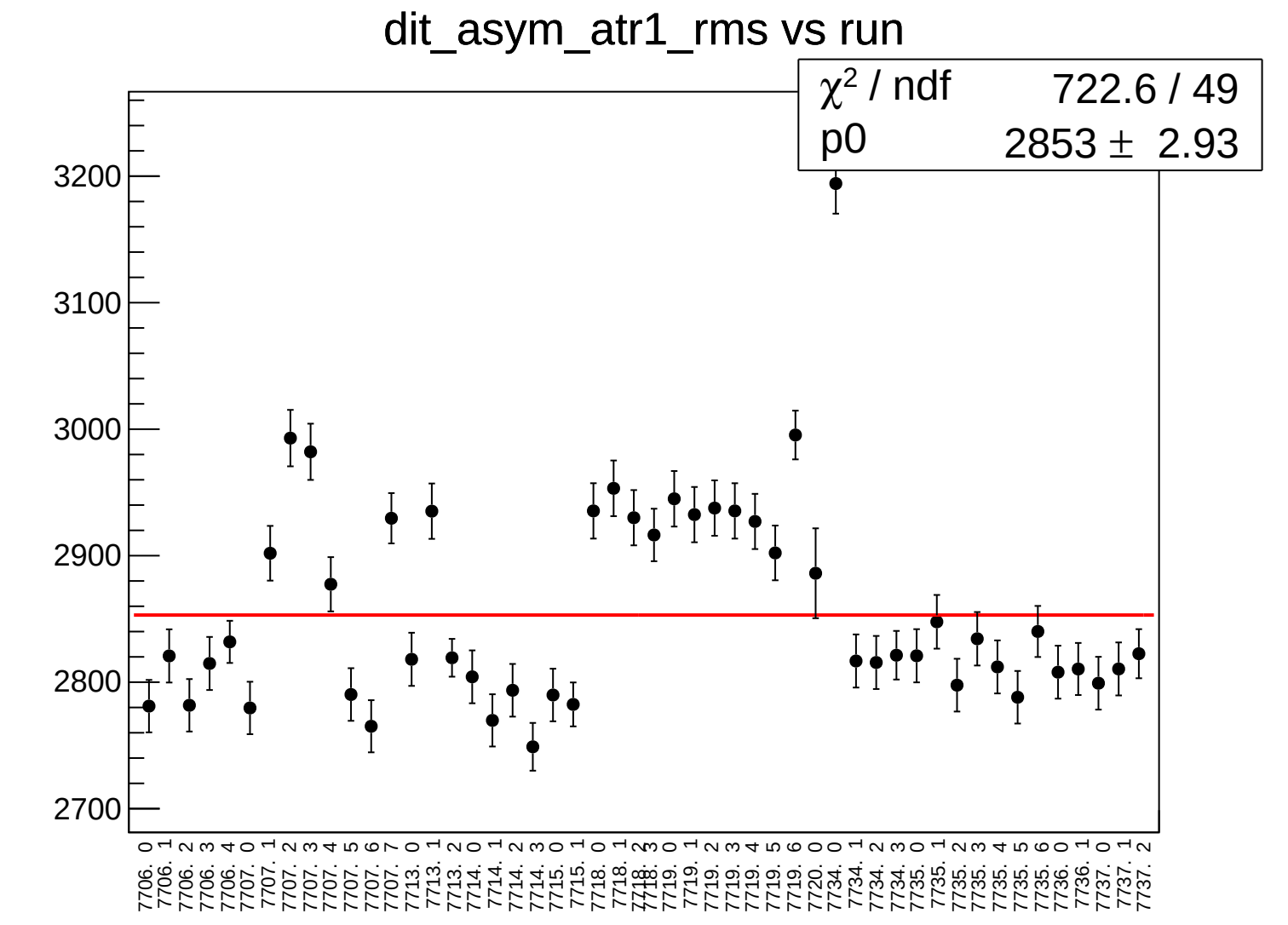

asym_atl2_correction_rms vs run
χ² / ndf 6.497e+04 / 49
p0 8287 ± 8.815
18000
16000
14000
12000
10000
8000
6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

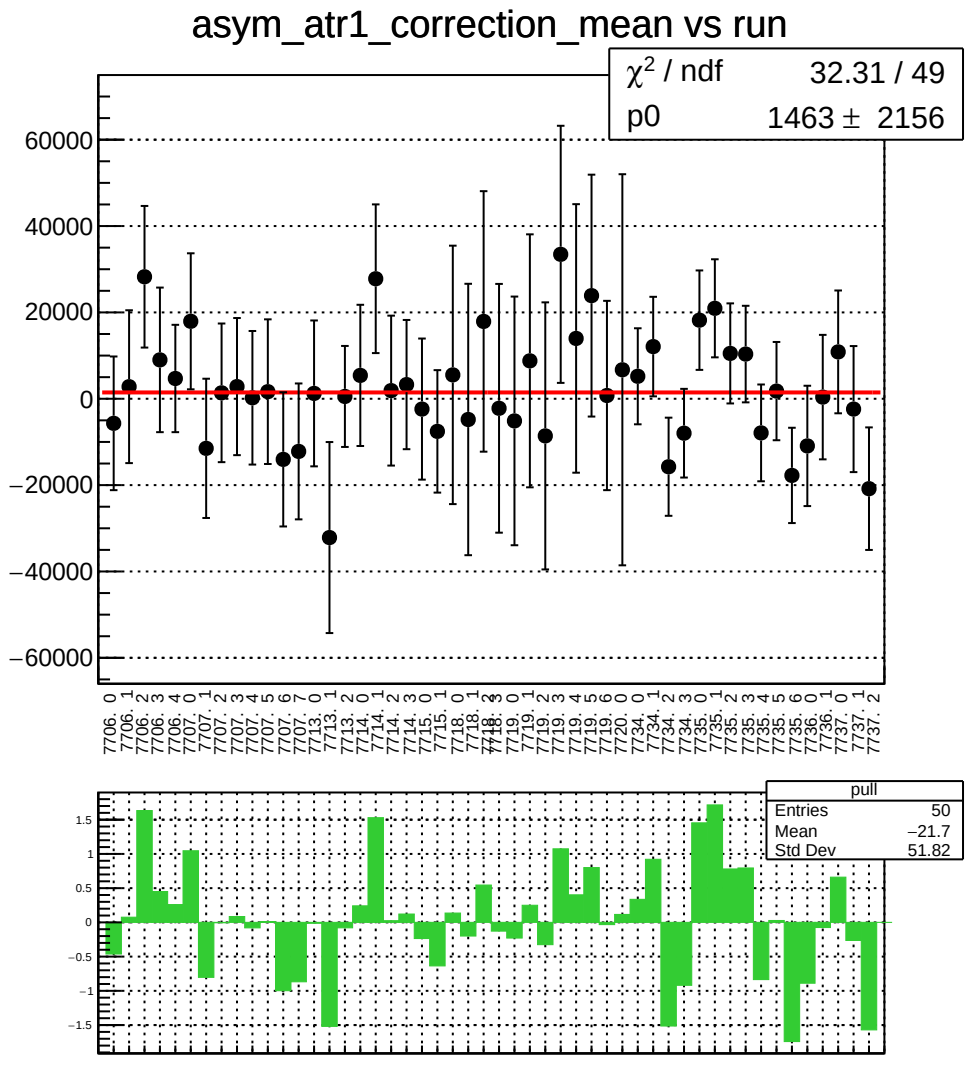

asym_atl2_mean vs run
×10^3
χ² / ndf 50.09 / 49
p0 −5215 ± 1.309e+04
300
200
100
0
−100
−200
−300
−400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 836.7
Std Dev 826.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

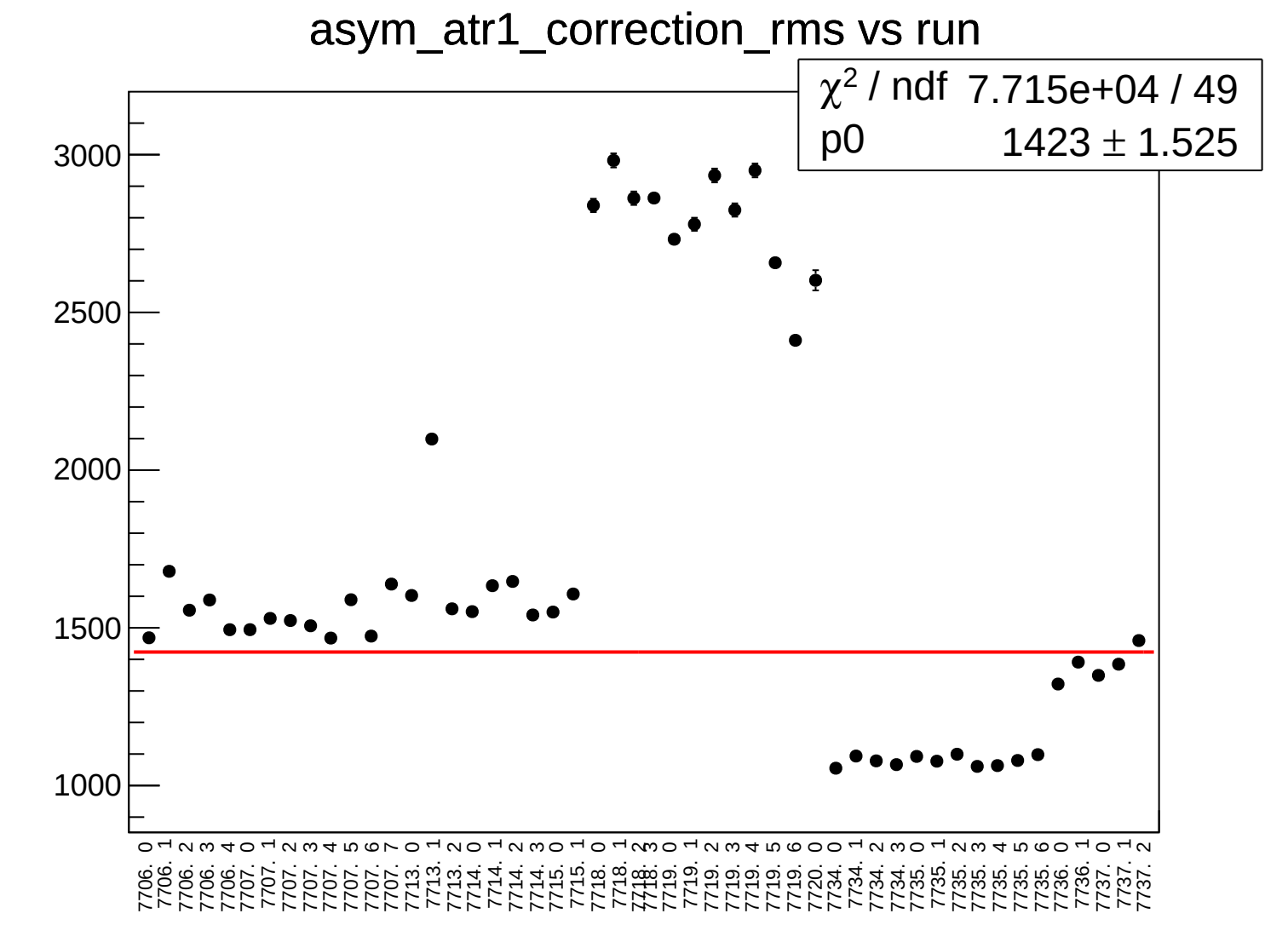

pull1D
Entries 50
Mean −0.002337
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

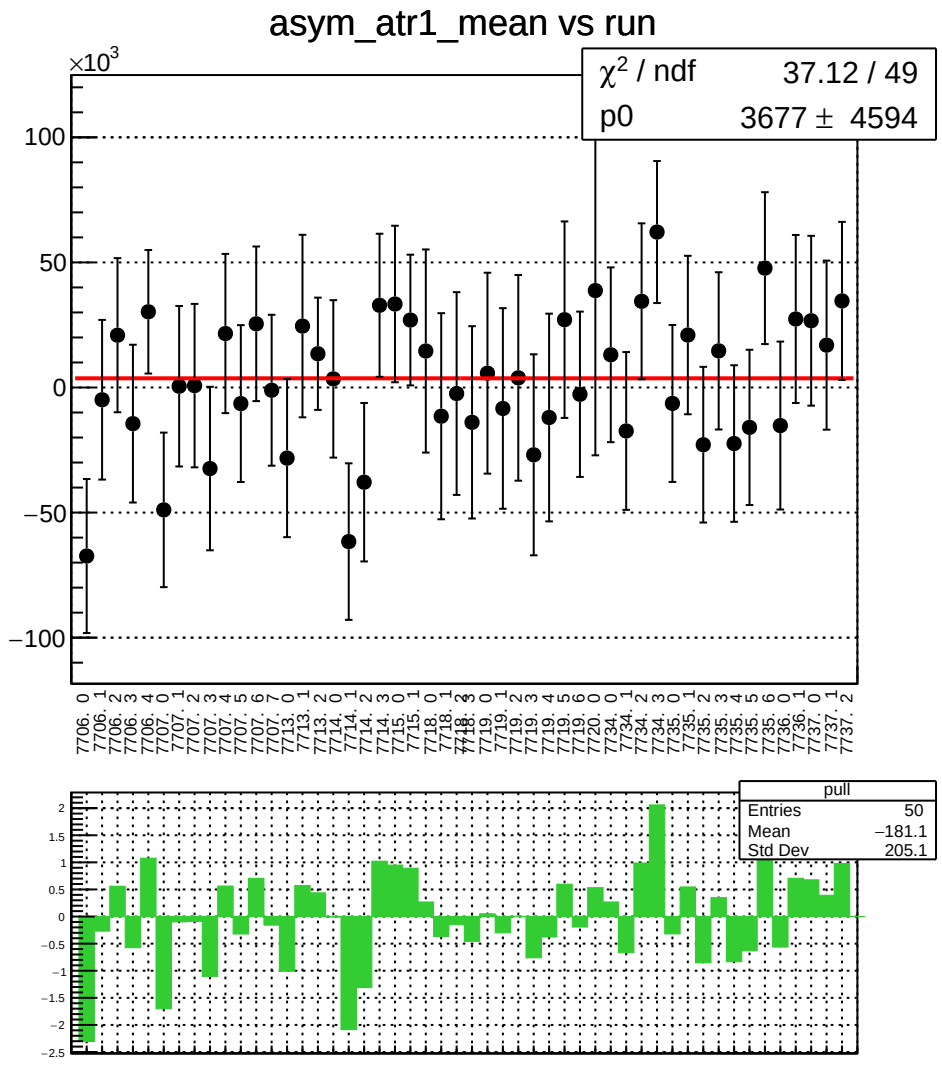

asym_atl2_rms vs run
χ² / ndf 1.019e+04 / 49
p0 8965 ± 9.254
13000
12000
11000
10000
9000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

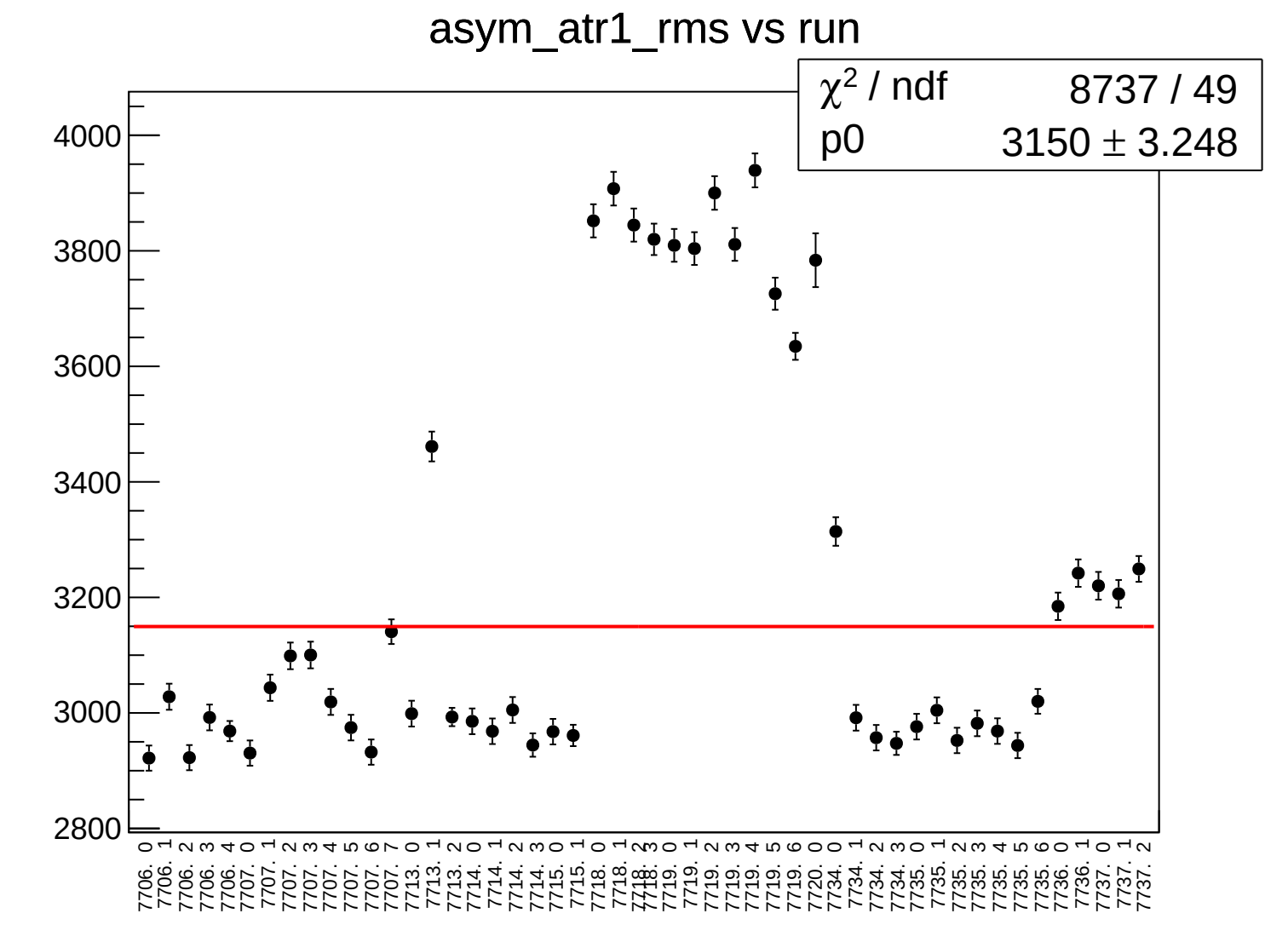

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 39.07 / 49
p0 5638 ± 4144
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −306.3
Std Dev 329.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.0105
Std Dev 0.884
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

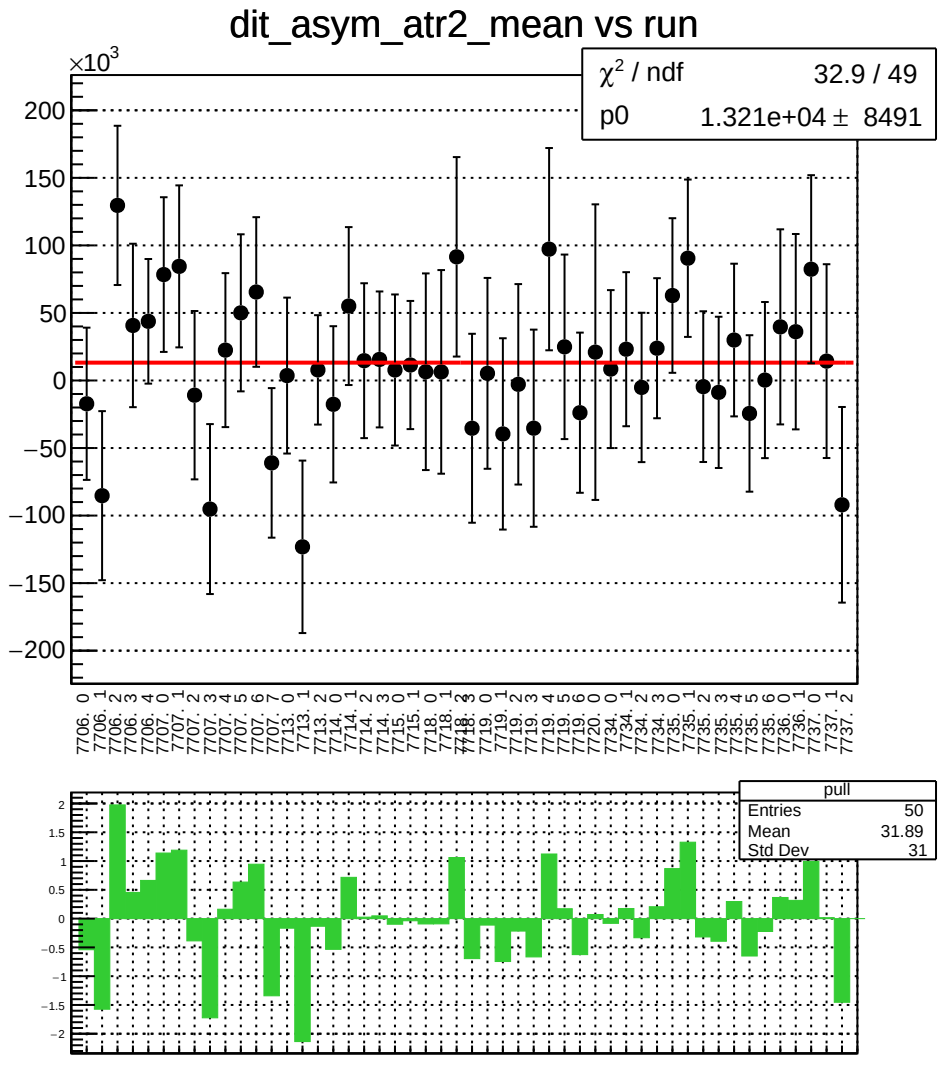

dit_asym_atr1_rms vs run
χ² / ndf 722.6 / 49
p0 2853 ± 2.93
3200
3100
3000
2900
2800
2700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

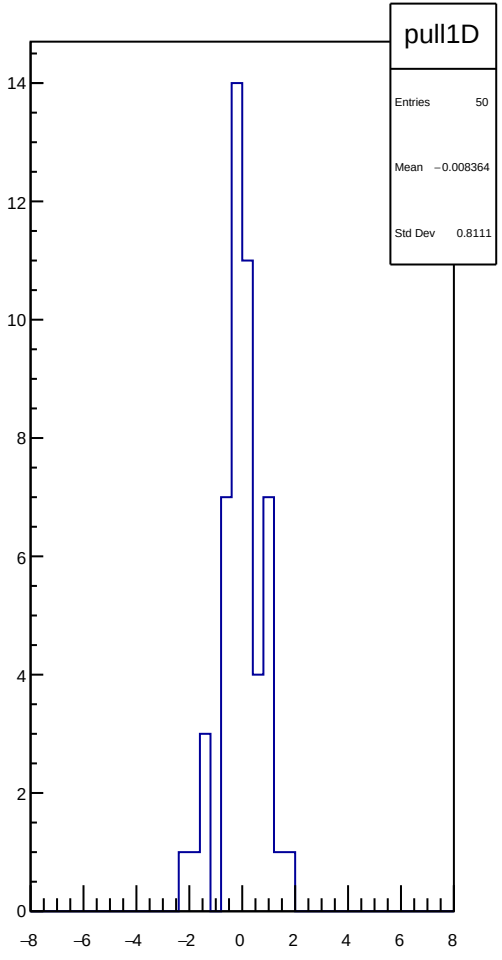

asym_atr1_correction_mean vs run
χ² / ndf 32.31 / 49
p0 1463 ± 2156
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −21.7
Std Dev 51.82
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.02149
Std Dev 0.8035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

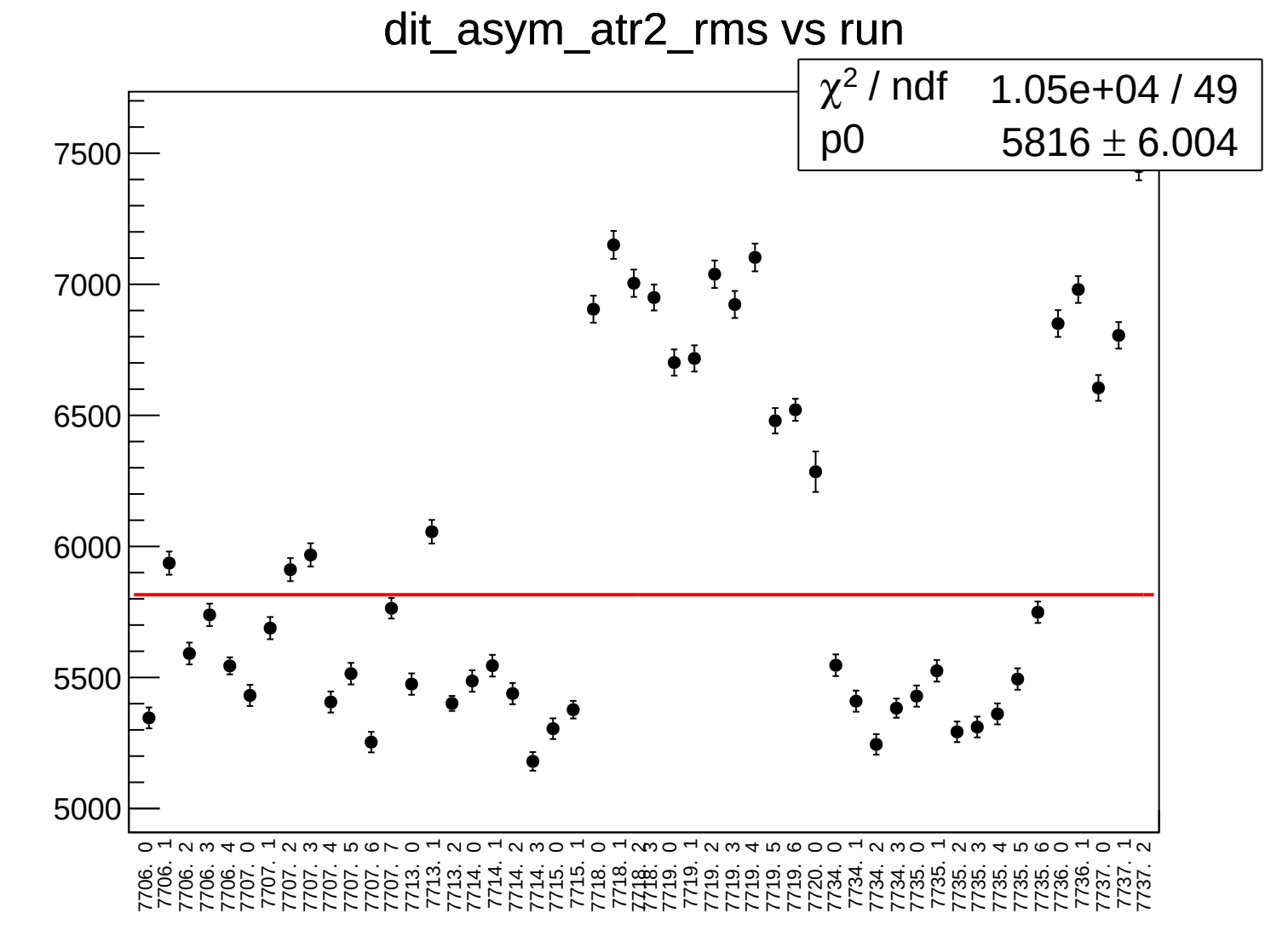

asym_atr1_correction_rms vs run
χ² / ndf 7.715e+04 / 49
p0 1423 ± 1.525
3000
2500
2000
1500
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

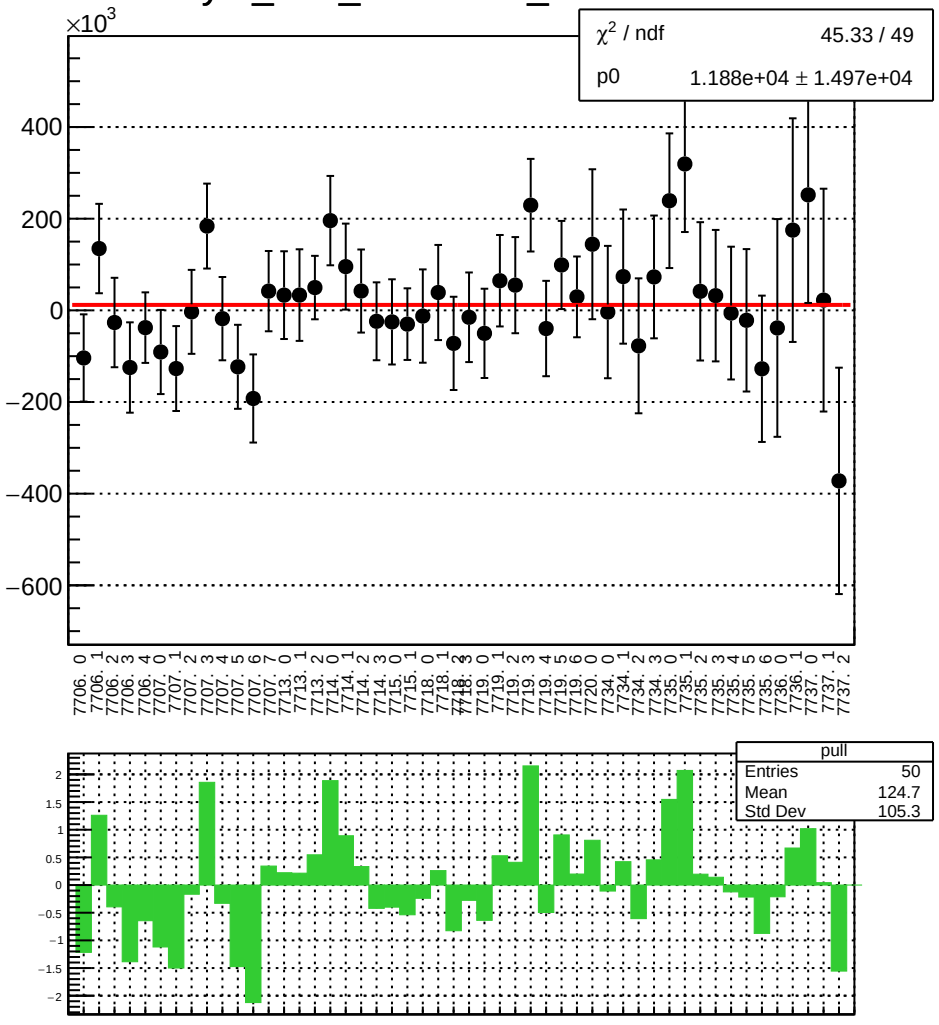

asym_atr1_mean vs run
×10^3
χ² / ndf 37.12 / 49
p0 3677 ± 4594
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −181.1
Std Dev 205.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.01745
Std Dev 0.8615
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

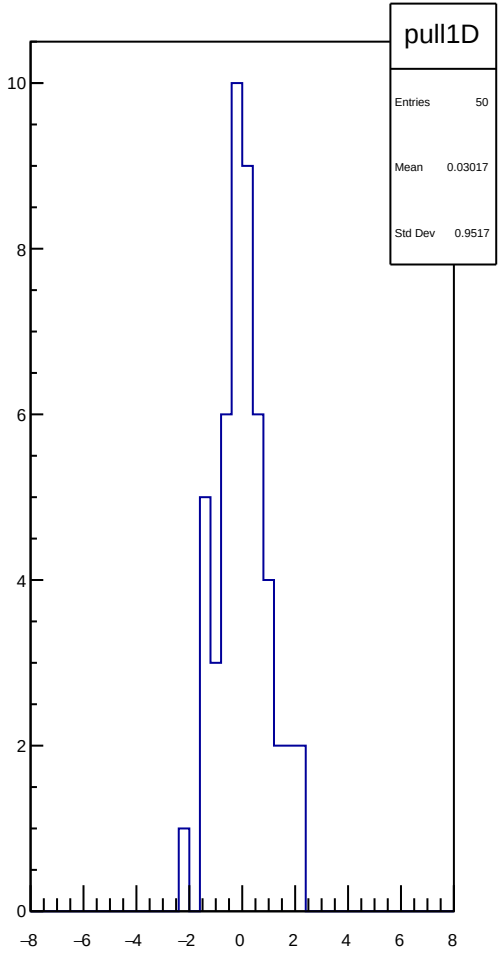

asym_atr1_rms vs run
χ² / ndf 8737 / 49
p0 3150 ± 3.248
4000
3800
3600
3400
3200
3000
2800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

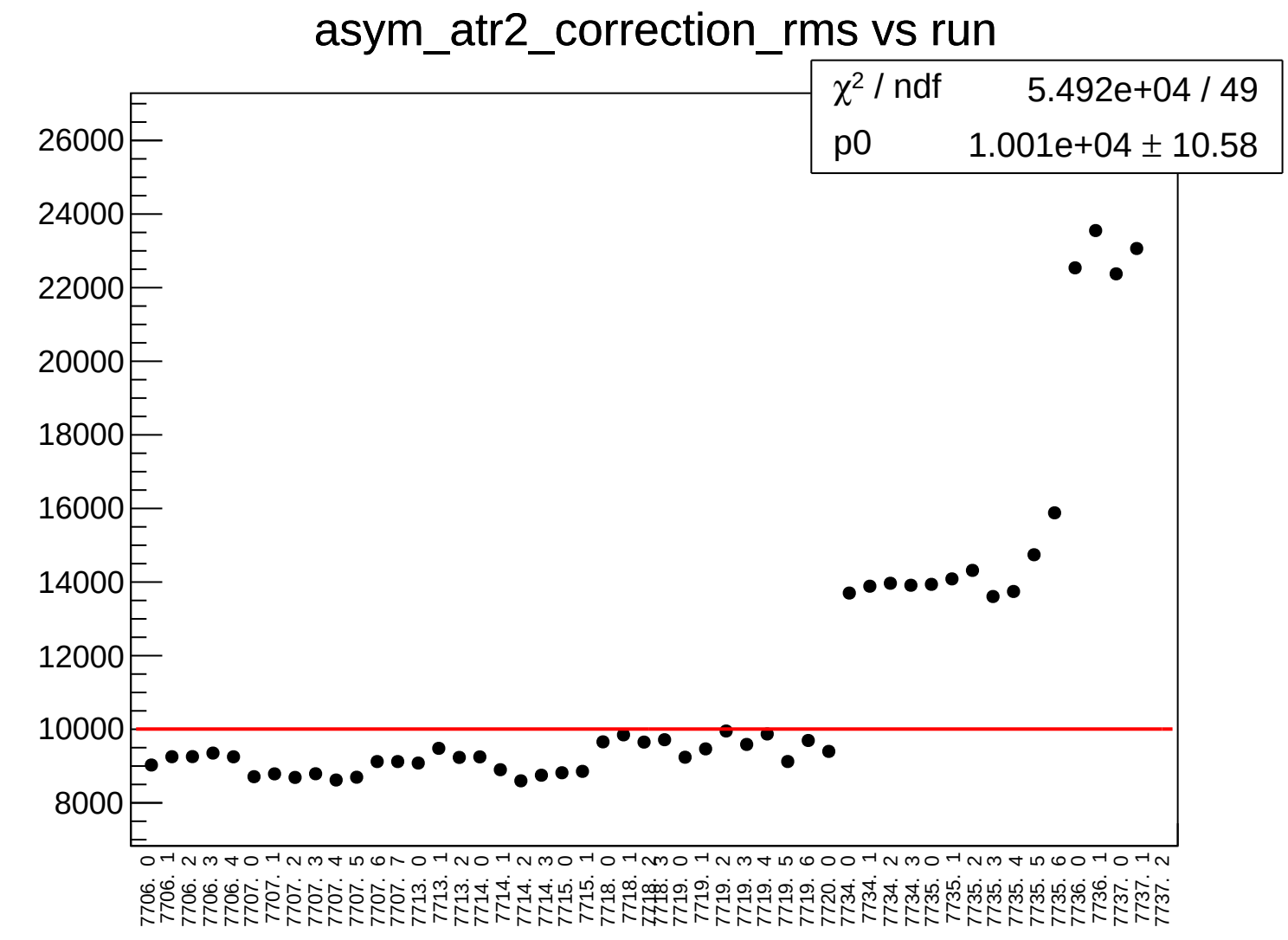

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 32.9 / 49
p0 1.321e+04 ± 8491
pull
Entries 50
Mean 31.89
Std Dev 31

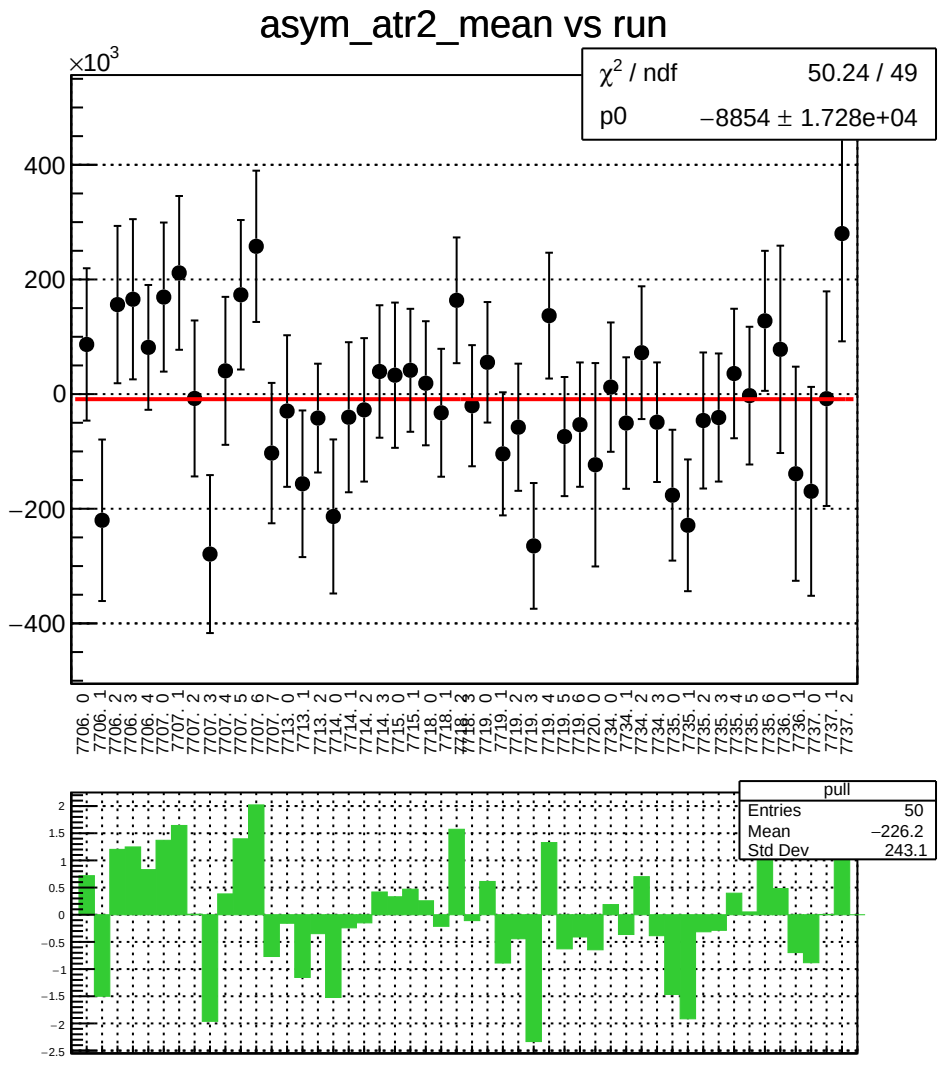

pull1D
Entries 50
Mean −0.008364
Std Dev 0.8111

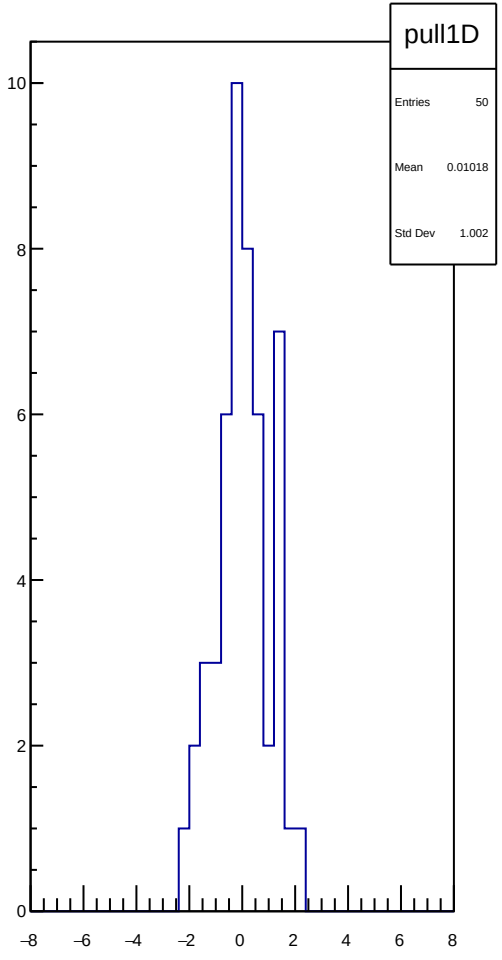

dit_asym_atr2_rms vs run
χ² / ndf 1.05e+04 / 49
p0 5816 ± 6.004
7500
7000
6500
6000
5500
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

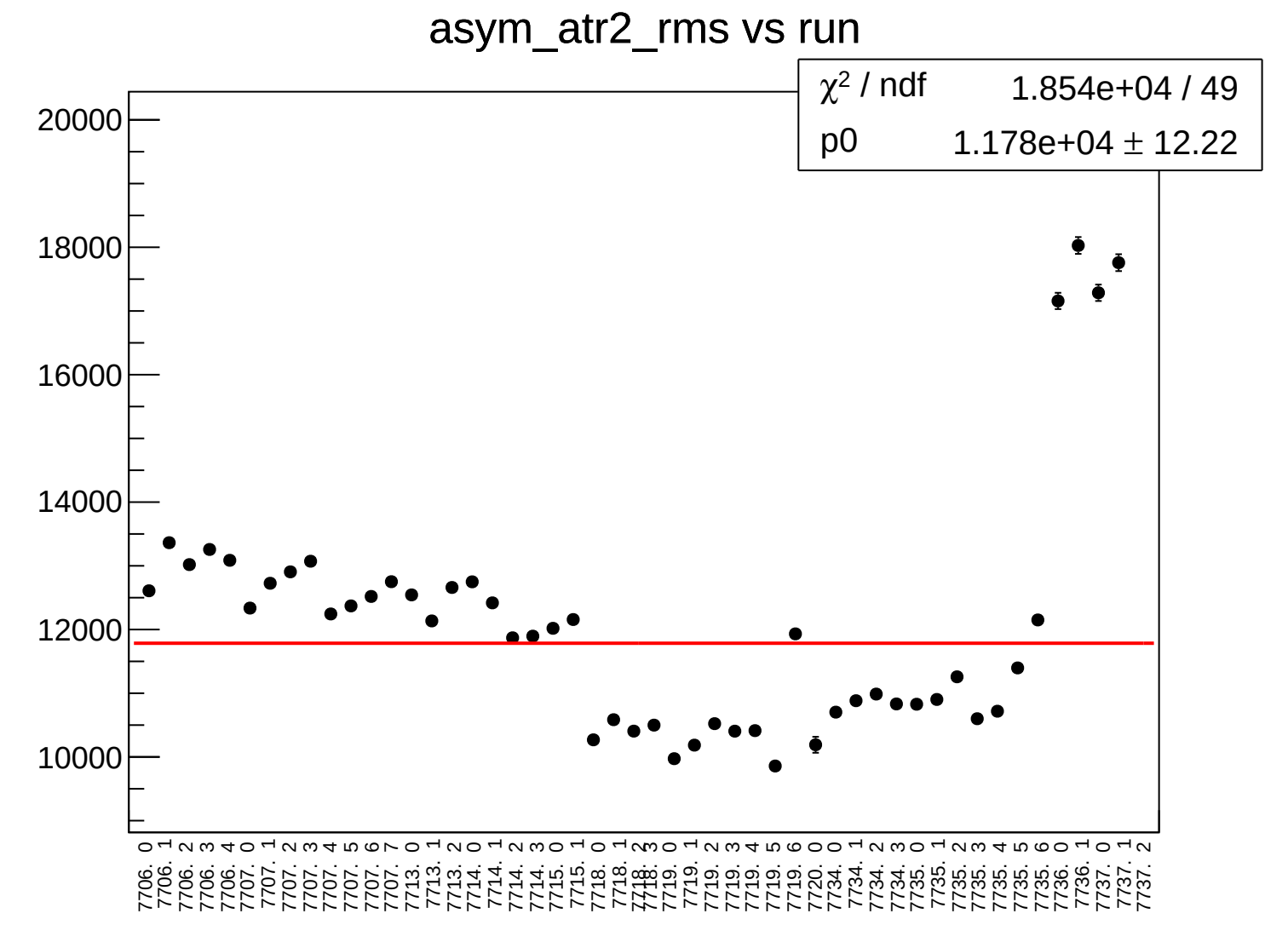

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 45.33 / 49
p0 1.188e+04 ± 1.497e+04
400
200
0
−200
−400
−600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 124.7
Std Dev 105.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

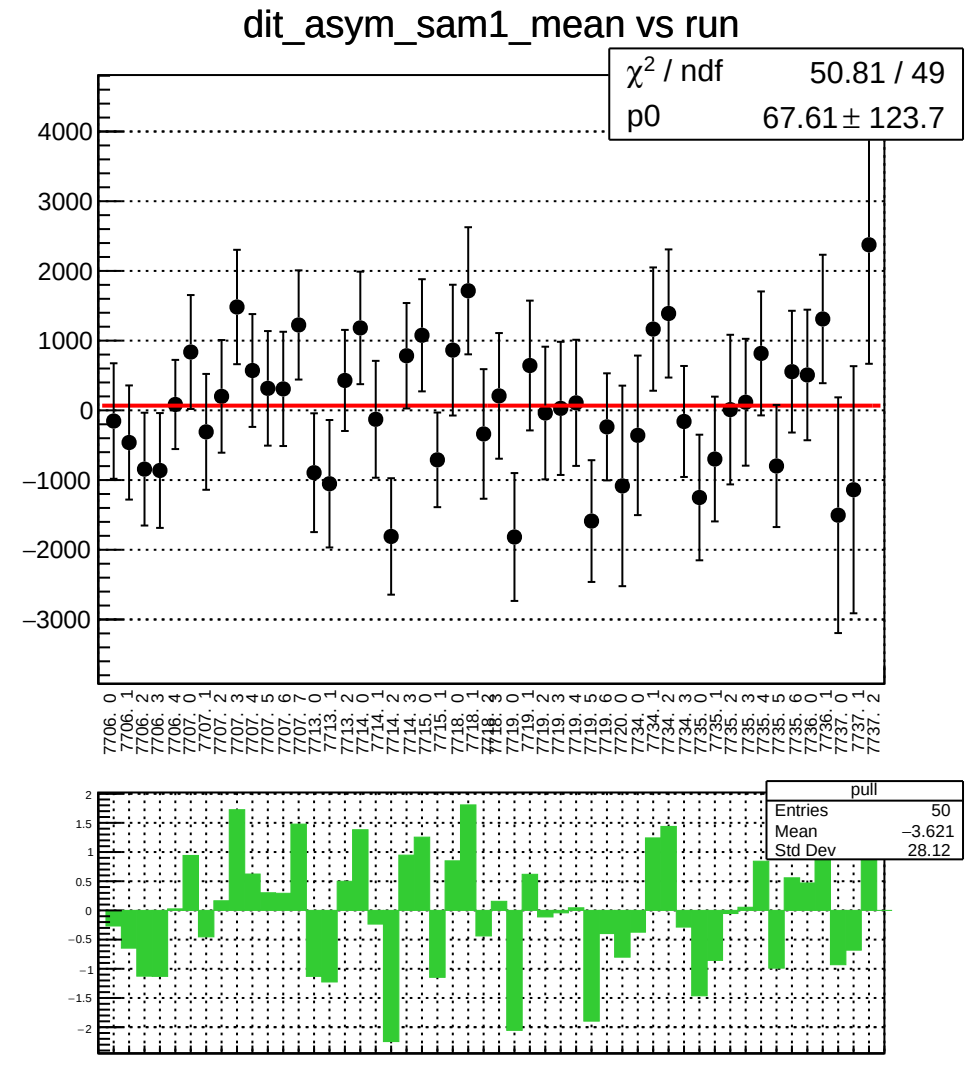

pull1D
Entries 50
Mean 0.03017
Std Dev 0.9517
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

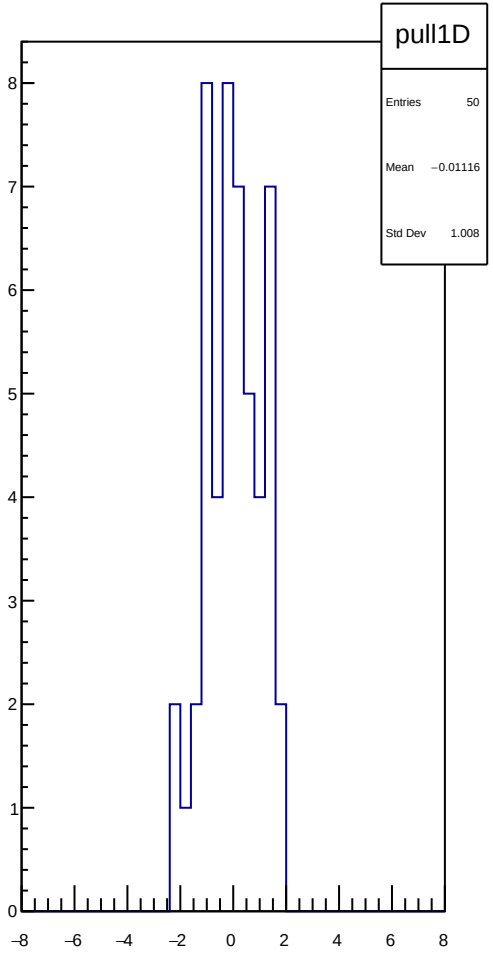

asym_atr2_correction_rms vs run
χ² / ndf 5.492e+04 / 49
p0 1.001e+04 ± 10.58
26000
24000
22000
20000
18000
16000
14000
12000
10000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

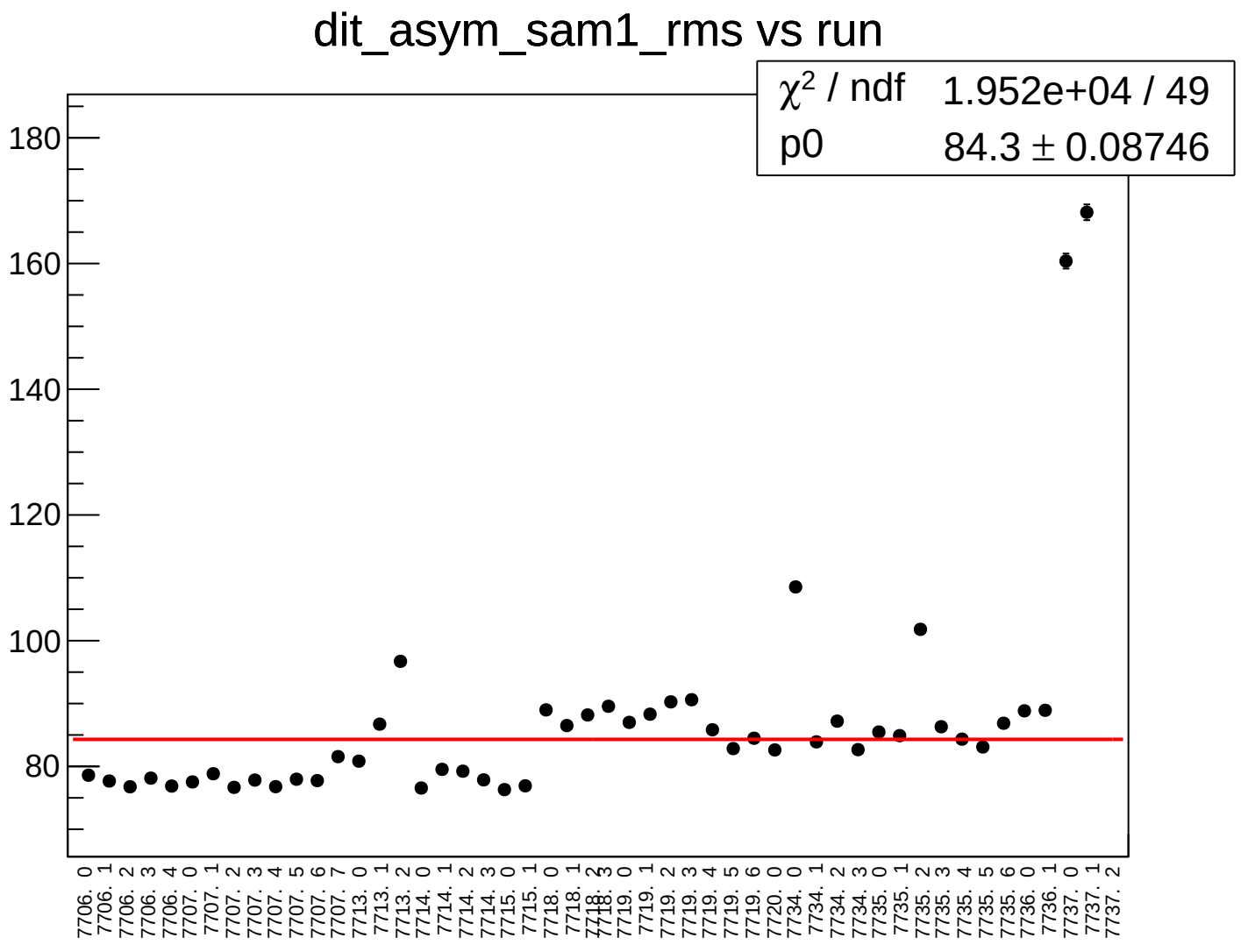

asym_atr2_mean vs run
×10^3
χ² / ndf 50.24 / 49
p0 −8854 ± 1.728e+04
400
200
0
−200
−400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −226.2
Std Dev 243.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

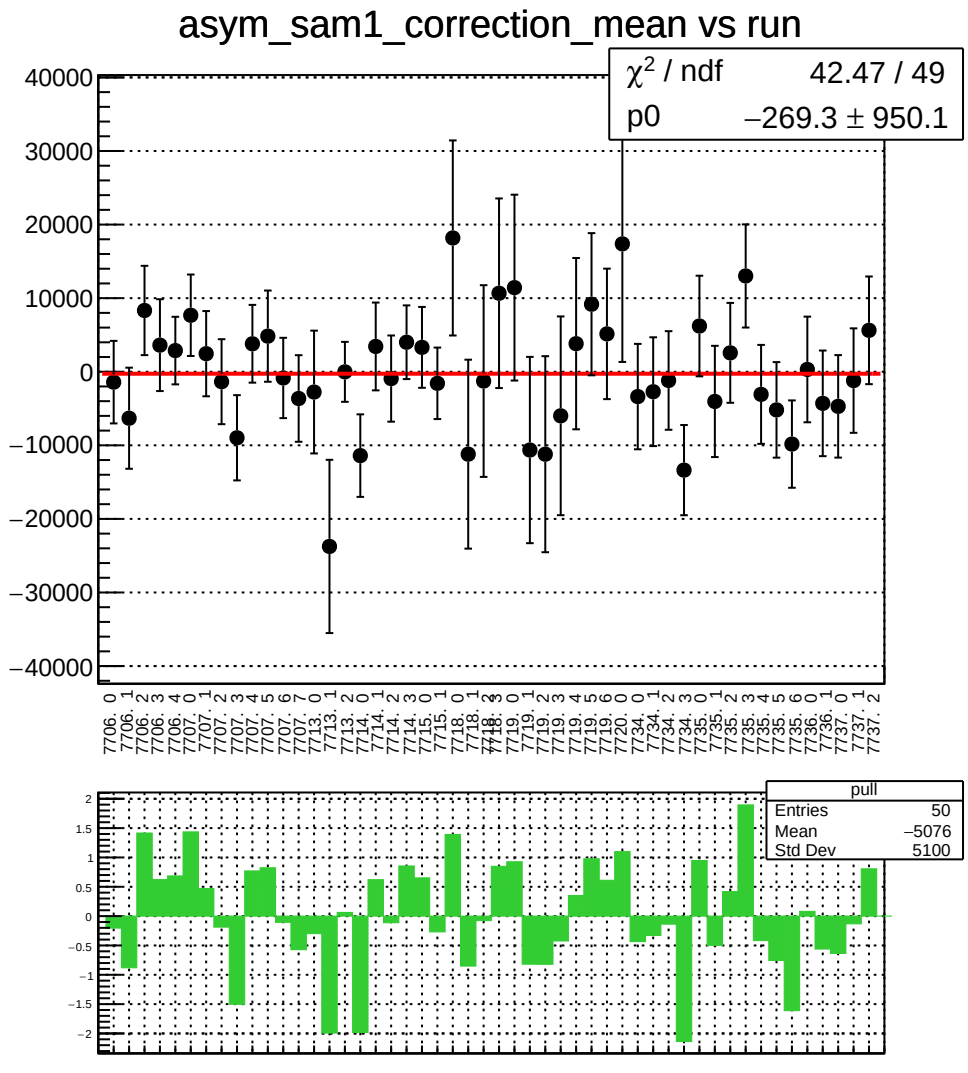

pull1D
Entries 50
Mean 0.01018
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

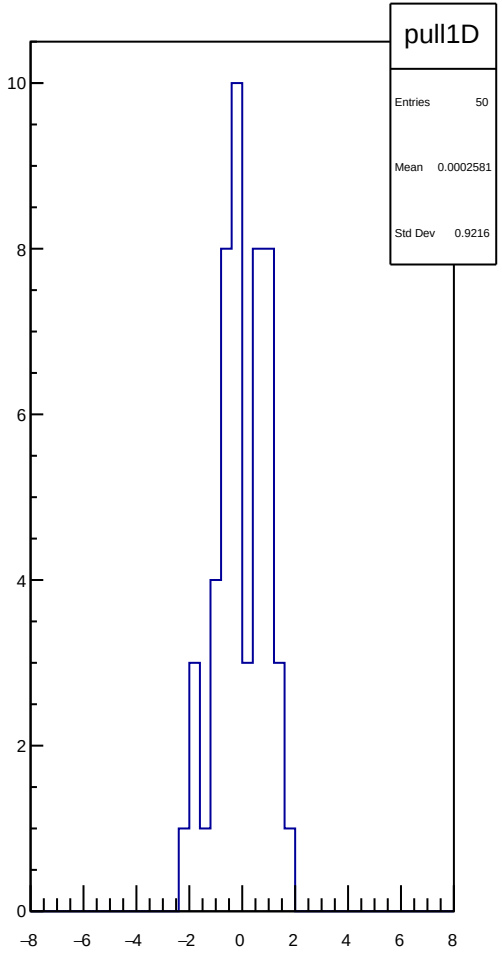

asym_atr2_rms vs run
χ² / ndf 1.854e+04 / 49
p0 1.178e+04 ± 12.22
20000
18000
16000
14000
12000
10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

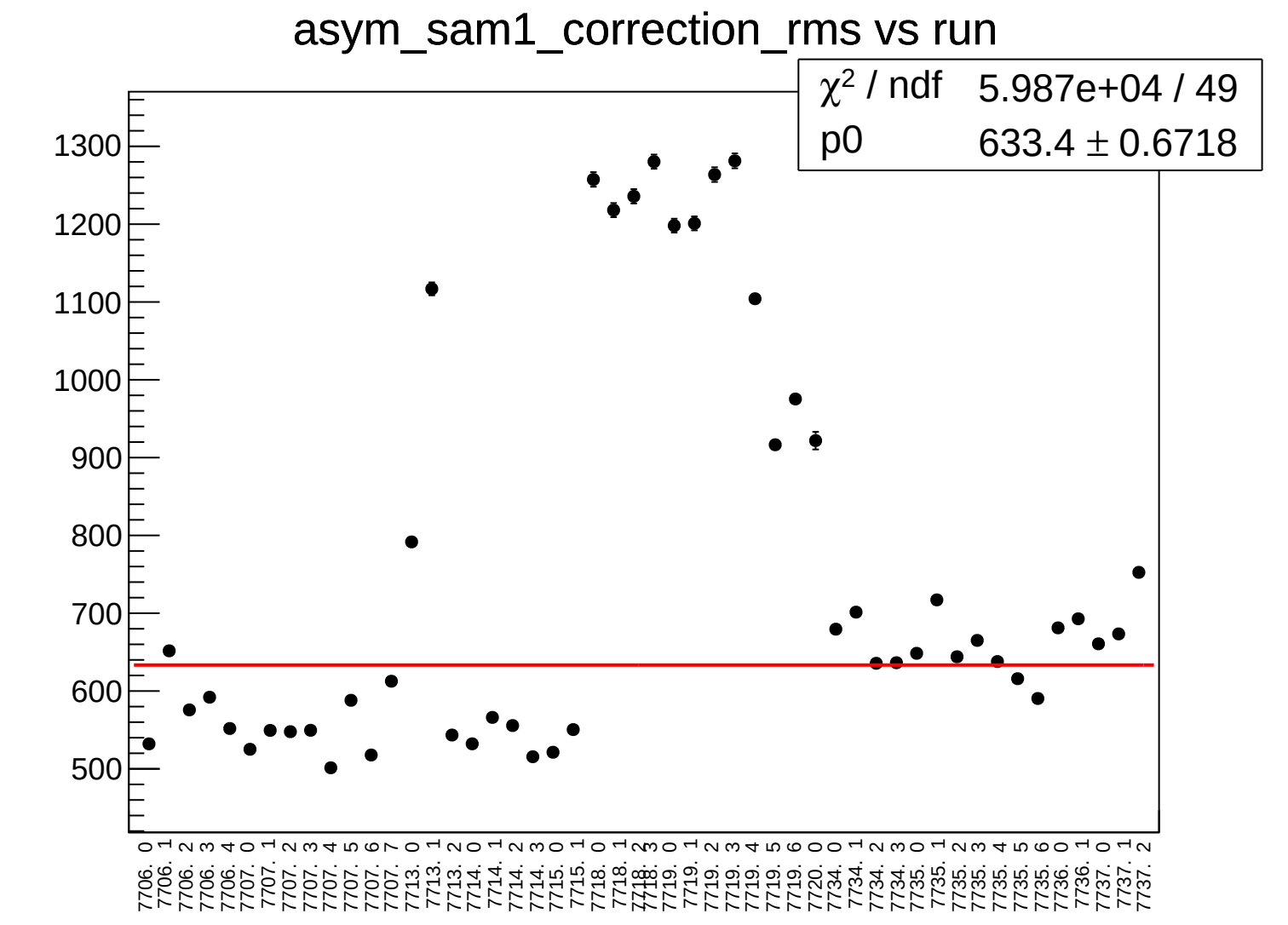

dit_asym_sam1_mean vs run
χ² / ndf 50.81 / 49
p0 67.61 ± 123.7
4000
3000
2000
1000
0
−1000
−2000
−3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −3.621
Std Dev 28.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

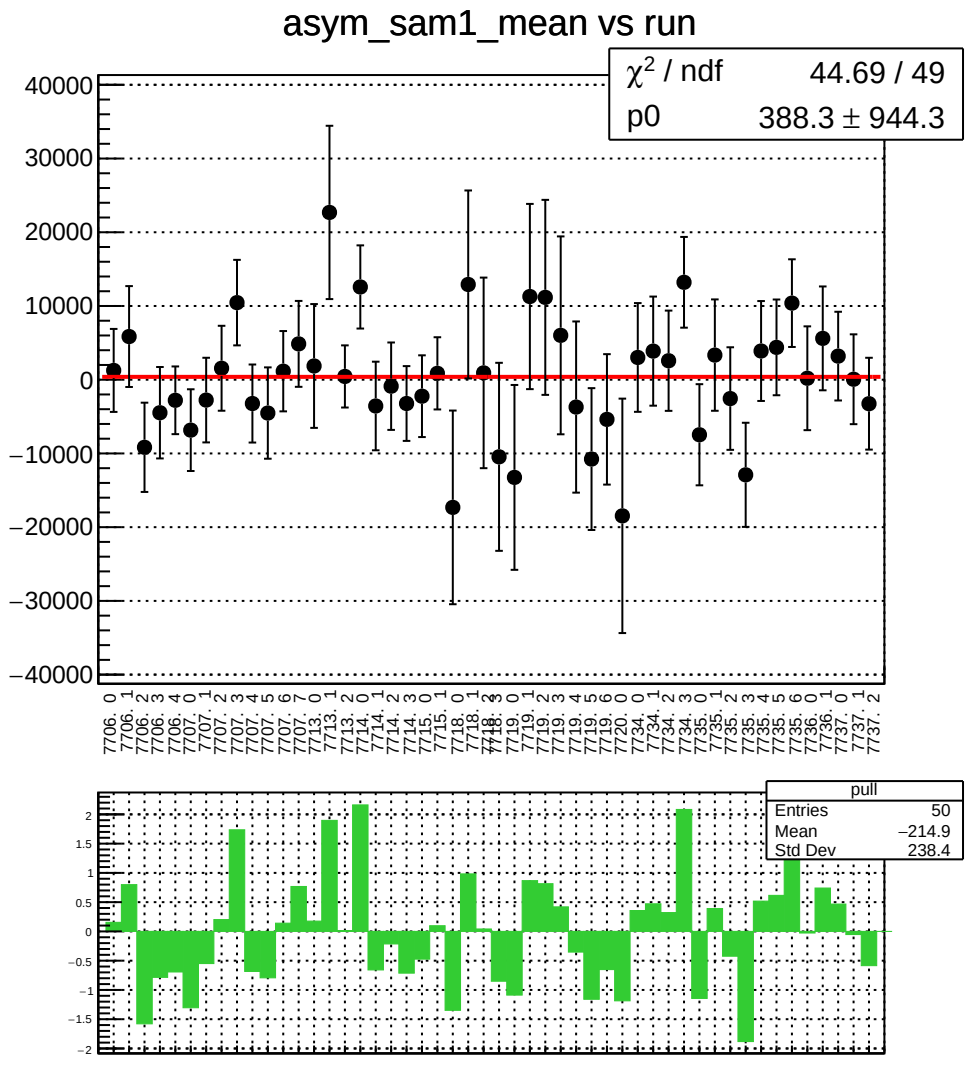

pull1D
Entries 50
Mean −0.01116
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

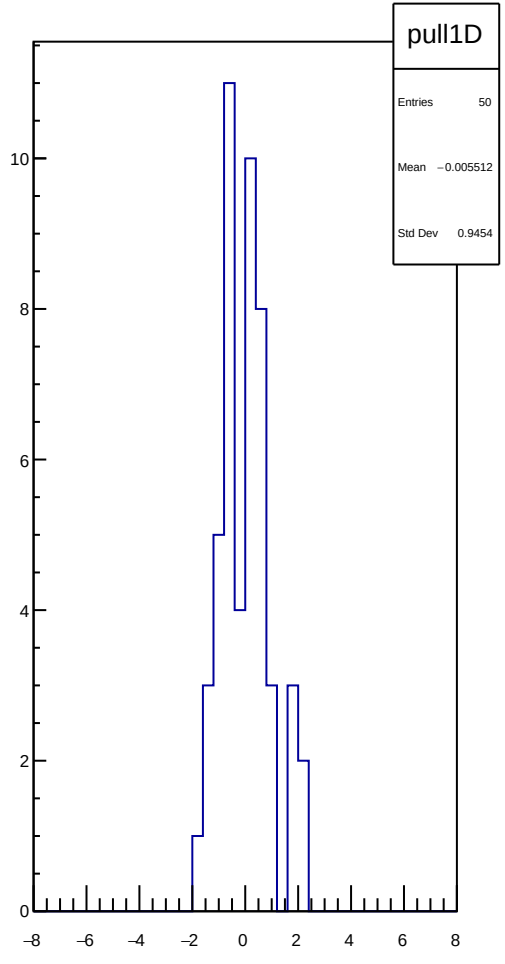

dit_asym_sam1_rms vs run
χ² / ndf 1.952e+04 / 49
p0 84.3 ± 0.08746
180
160
140
120
100
80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

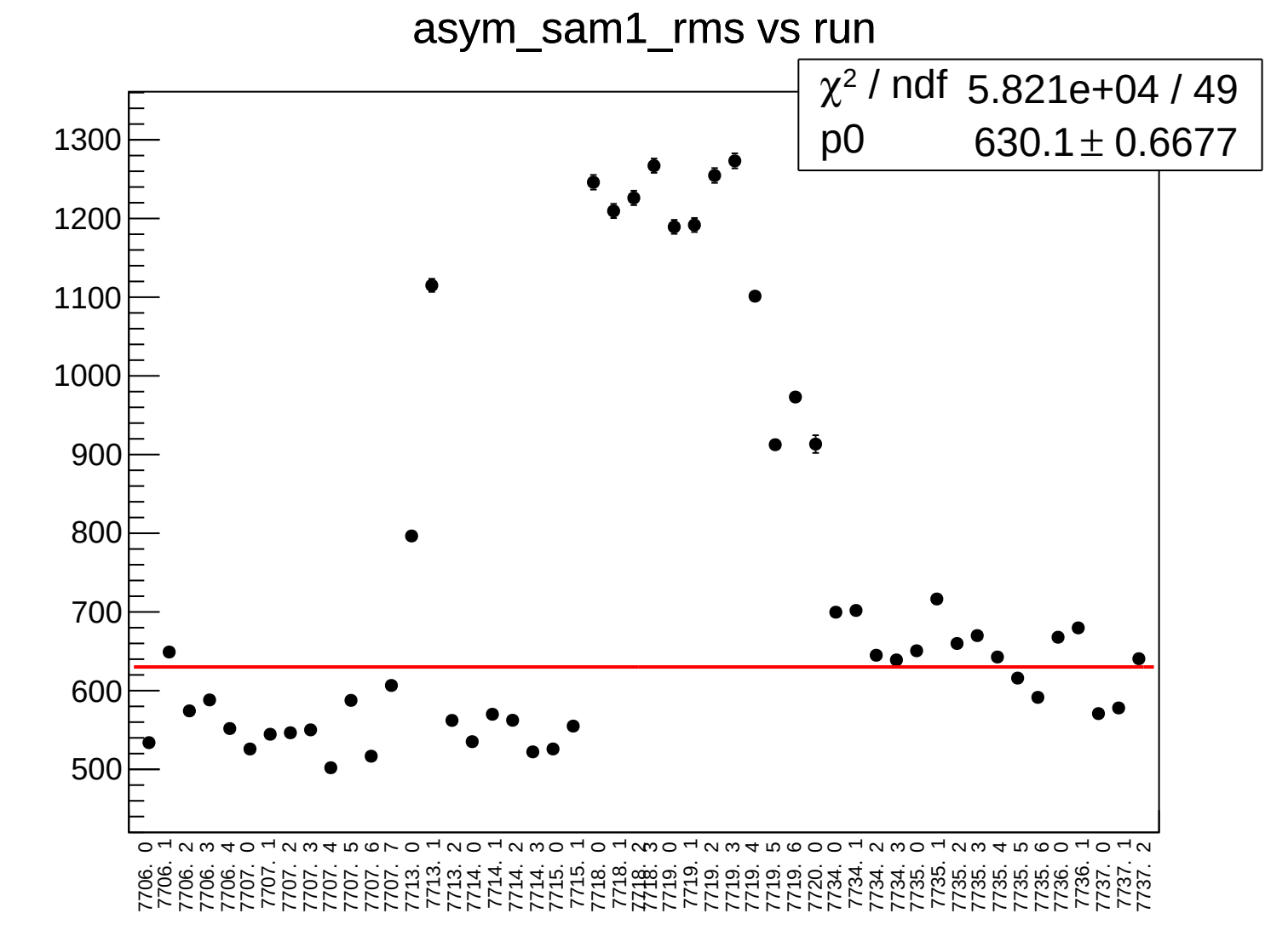

asym_sam1_correction_mean vs run
χ² / ndf 42.47 / 49
p0 −269.3 ± 950.1
pull
Entries 50
Mean −5076
Std Dev 5100

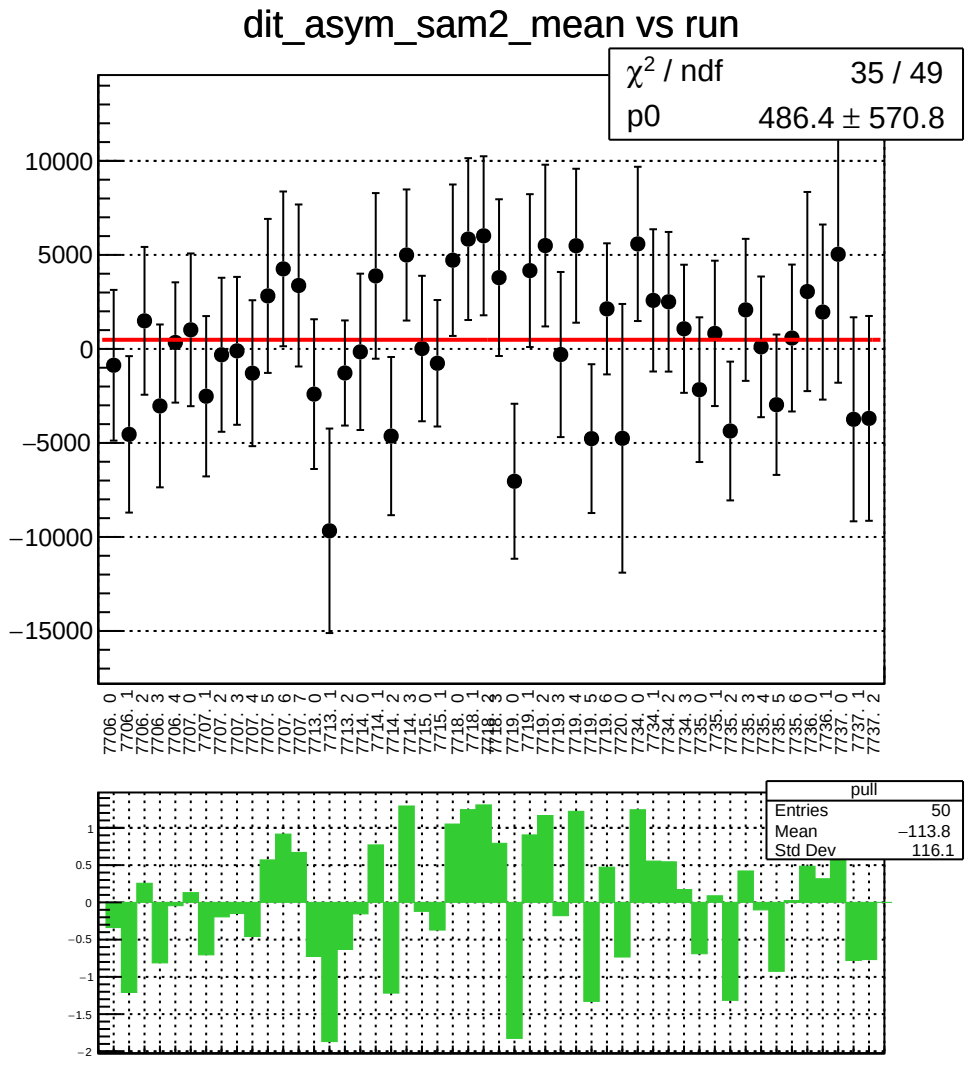

pull1D
Entries 50
Mean 0.0002581
Std Dev 0.9216

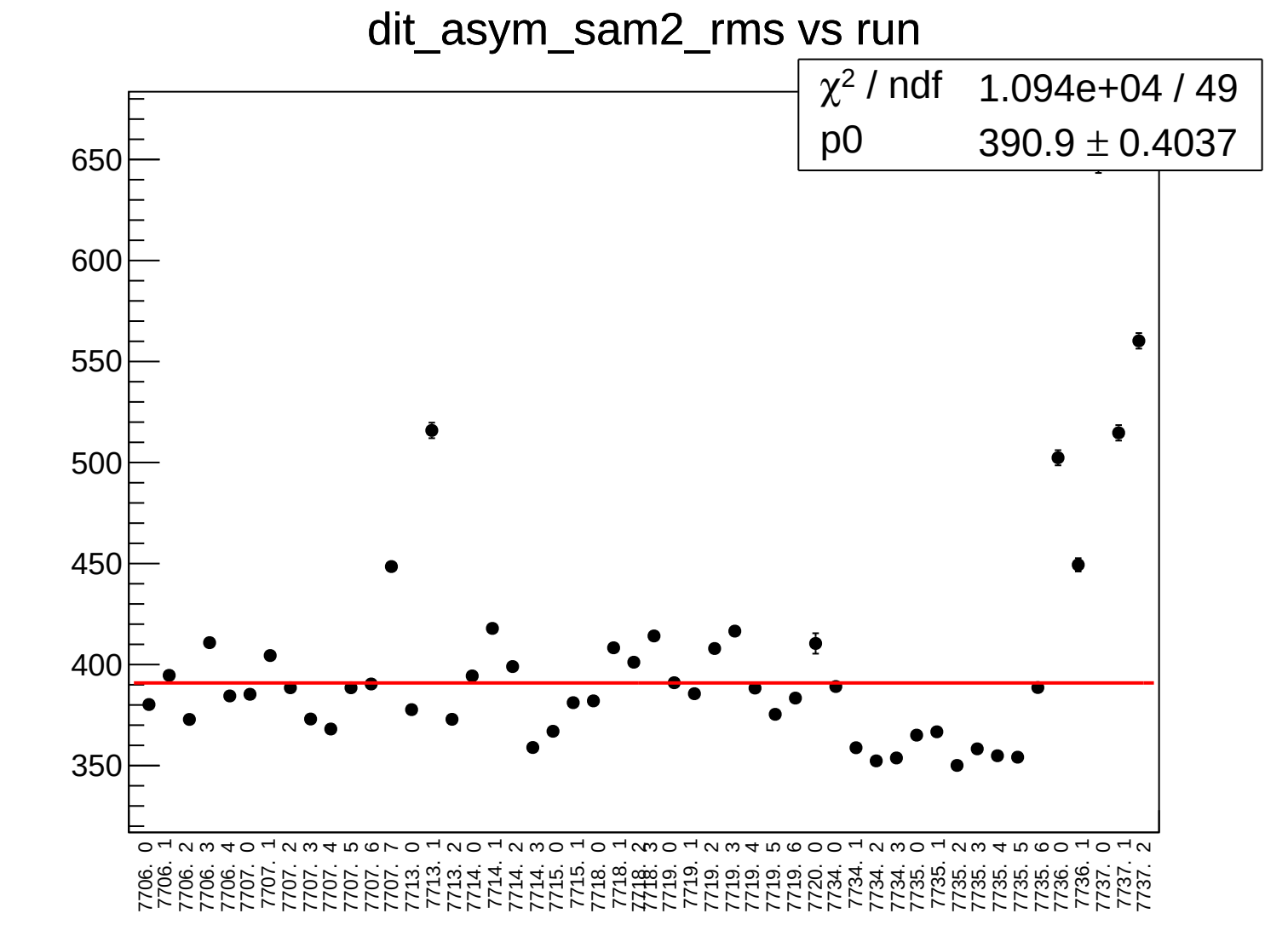

asym_sam1_correction_rms vs run
χ² / ndf 5.987e+04 / 49
p0 633.4 ± 0.6718
1300
1200
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

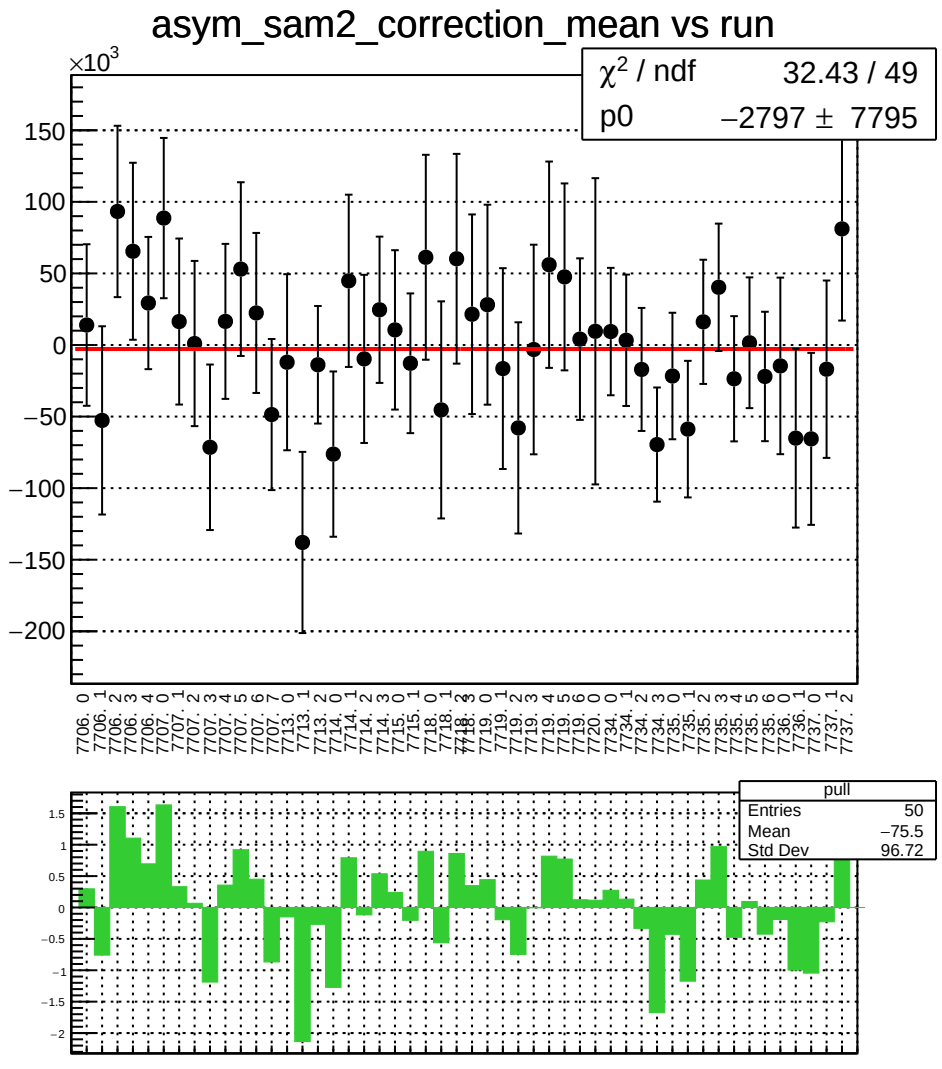

asym_sam1_mean vs run
χ² / ndf 44.69 / 49
p0 388.3 ± 944.3
pull
Entries 50
Mean −214.9
Std Dev 238.4

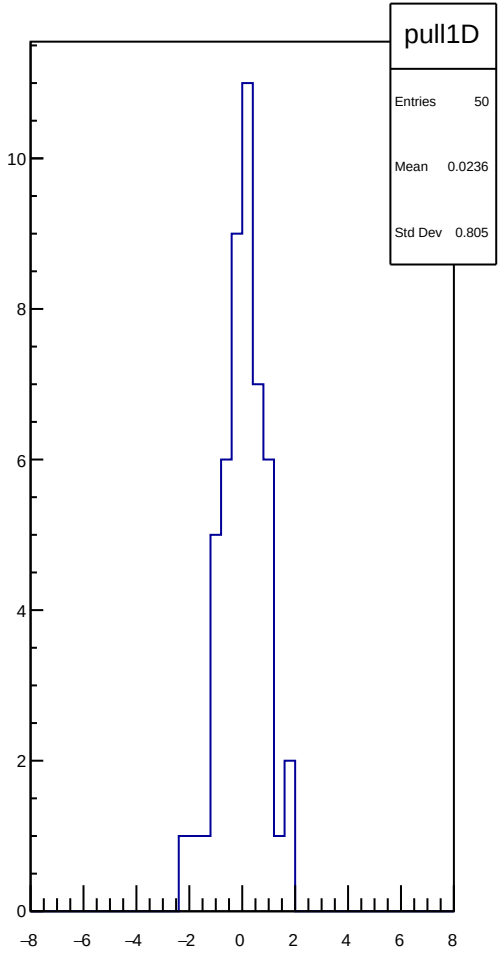

pull1D
Entries 50
Mean −0.005512
Std Dev 0.9454

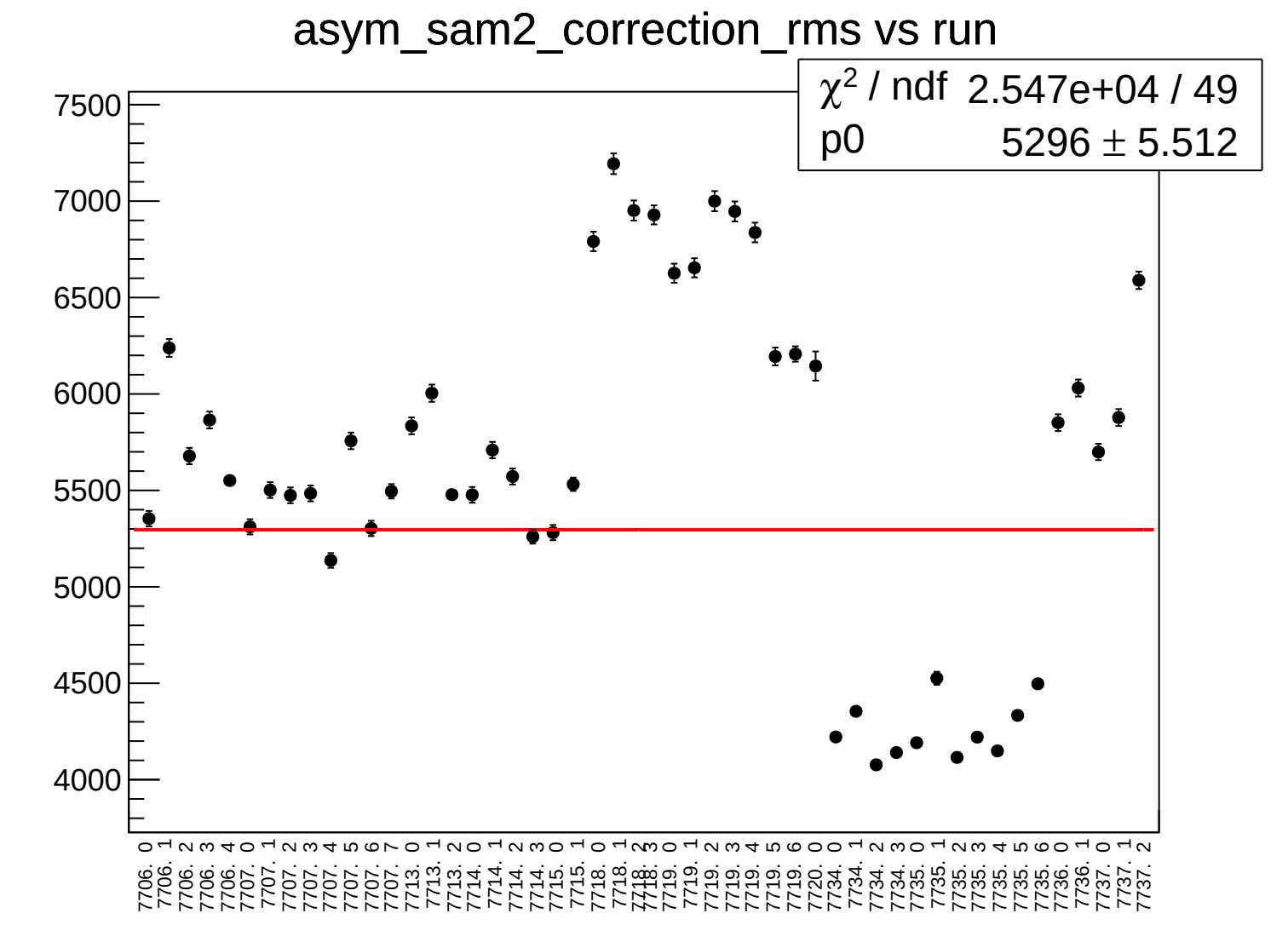

asym_sam1_rms vs run
χ² / ndf 5.821e+04 / 49
p0 630.1 ± 0.6677
1300
1200
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

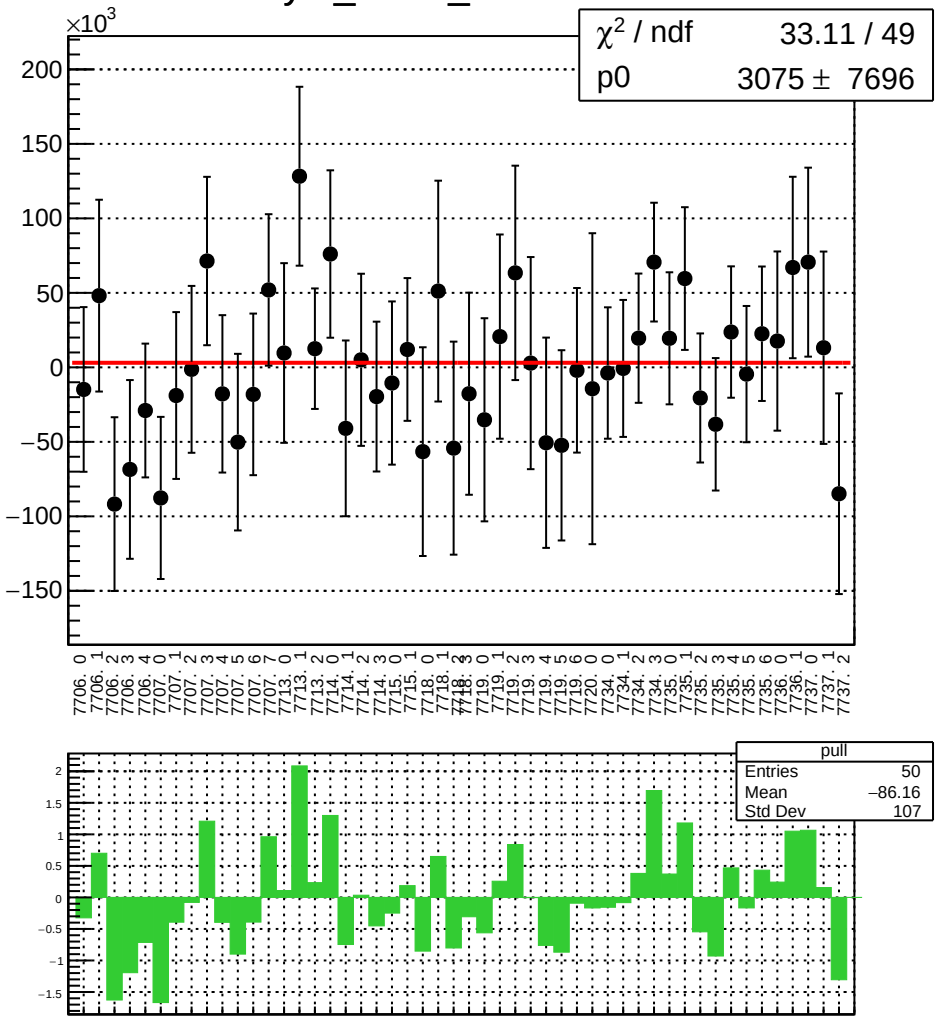

dit_asym_sam2_mean vs run
χ² / ndf 35 / 49
p0 486.4 ± 570.8
10000
5000
0
−5000
−10000
−15000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −113.8
Std Dev 116.1
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.007216
Std Dev 0.8367
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

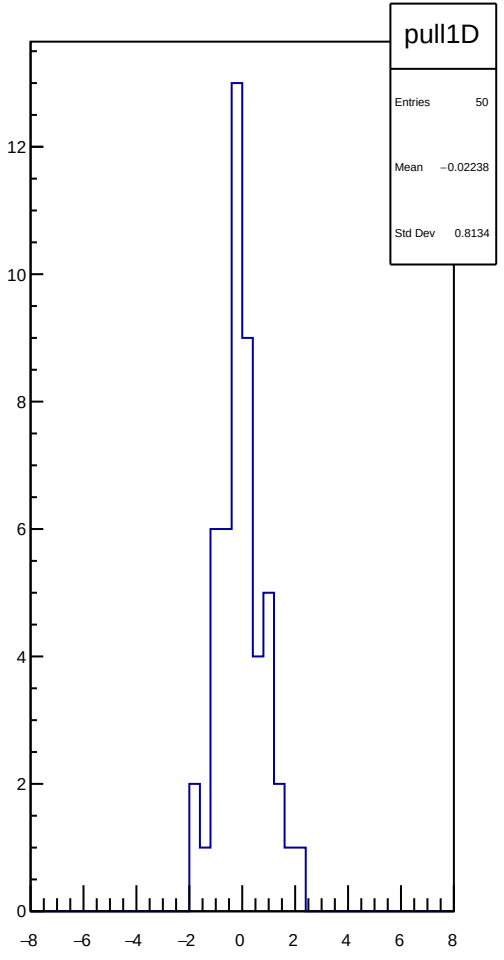

dit_asym_sam2_rms vs run
χ² / ndf 1.094e+04 / 49
p0 390.9 ± 0.4037
650
600
550
500
450
400
350
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

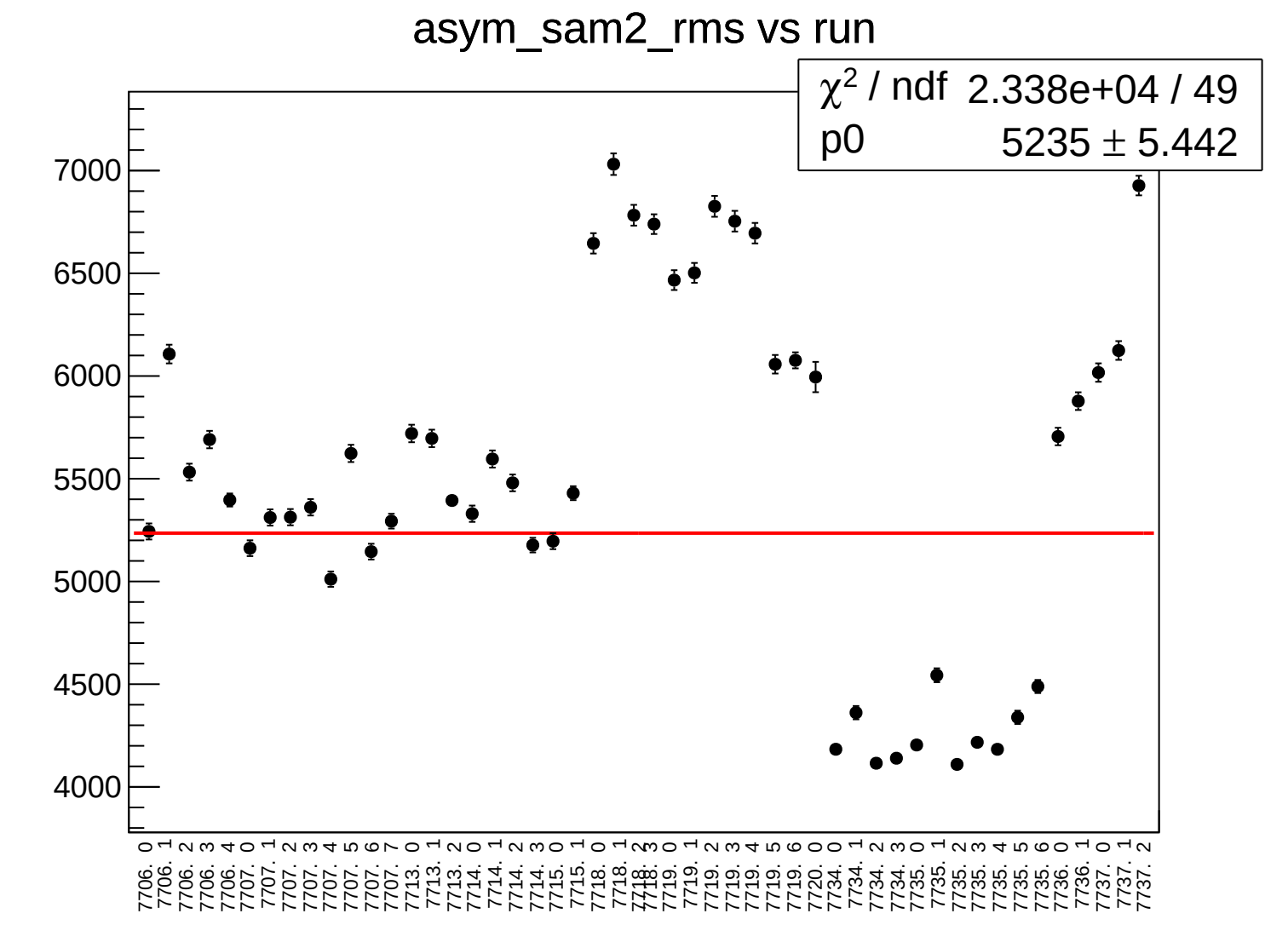

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 32.43 / 49
p0 −2797 ± 7795
150
100
50
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −75.5
Std Dev 96.72
1.5
1
0.5
0
−0.5
−1
−1.5
−2

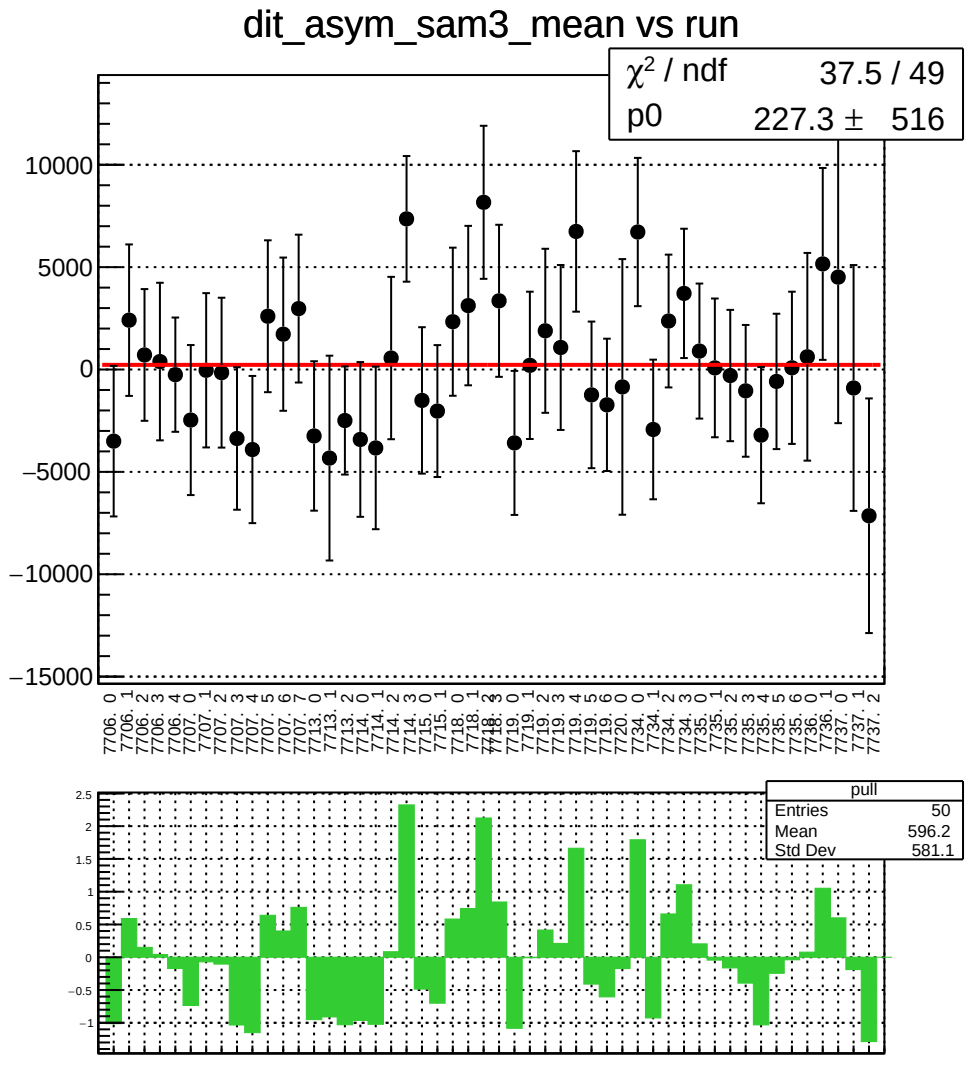

pull1D
Entries 50
Mean 0.0236
Std Dev 0.805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

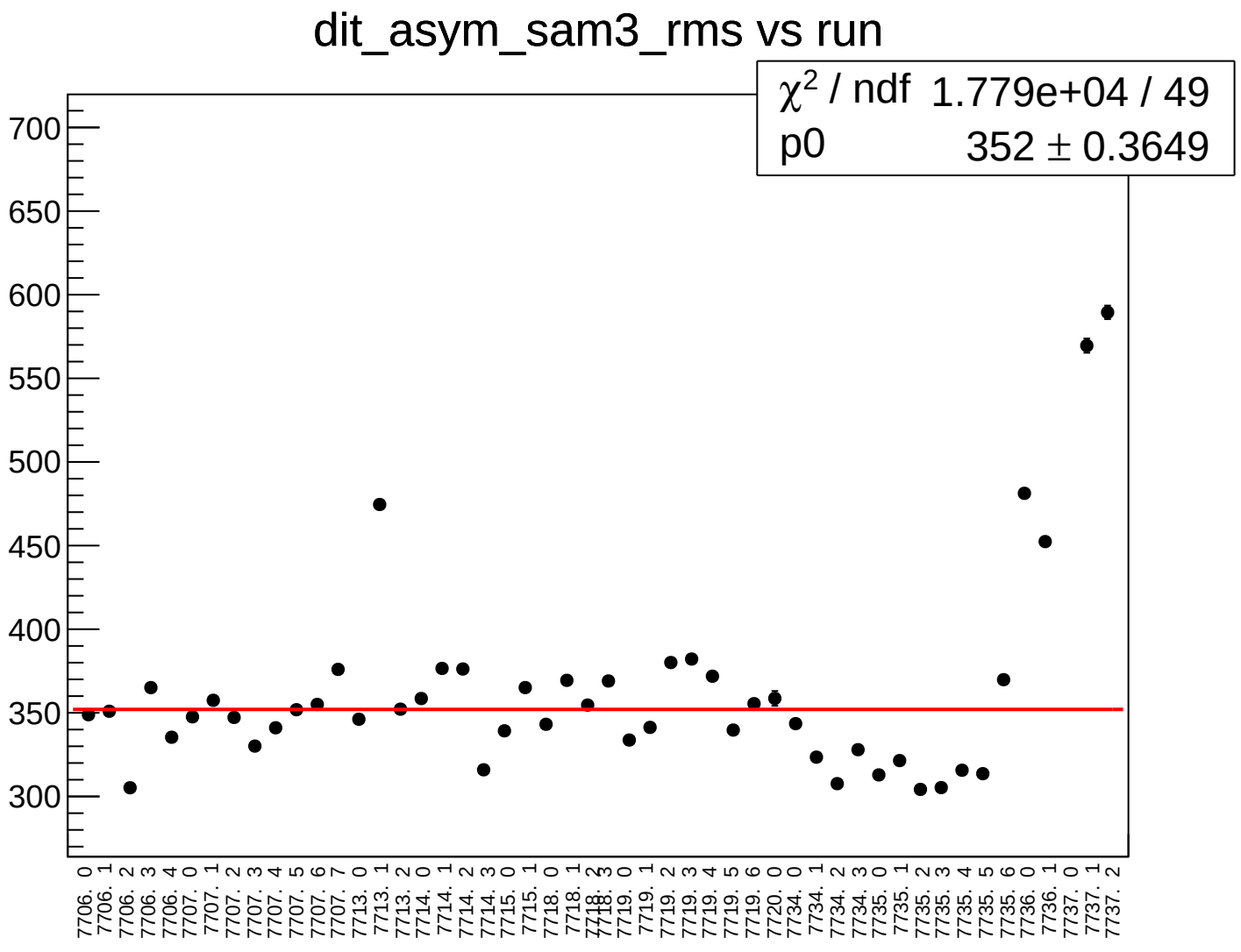

asym_sam2_correction_rms vs run
χ² / ndf 2.547e+04 / 49
p0 5296 ± 5.512
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

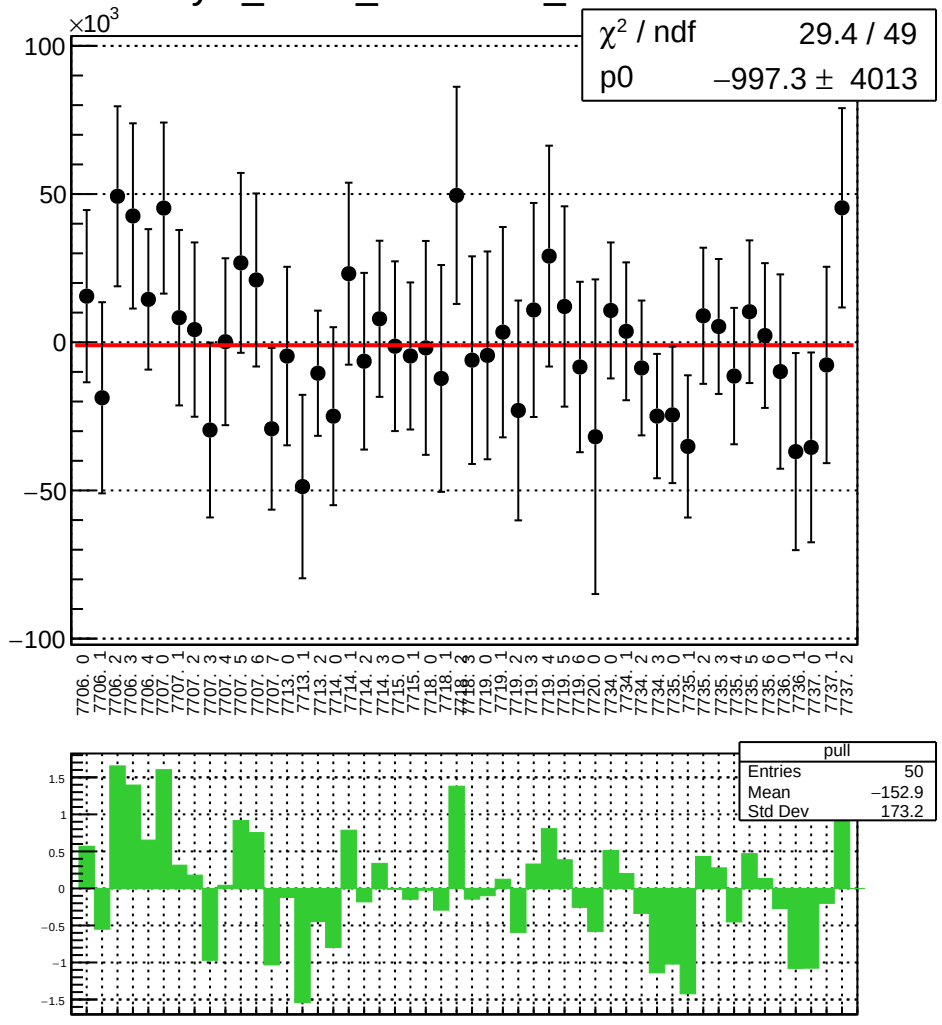

asym_sam2_mean vs run
×10^3
χ² / ndf 33.11 / 49
p0 3075 ± 7696
pull
Entries 50
Mean −86.16
Std Dev 107

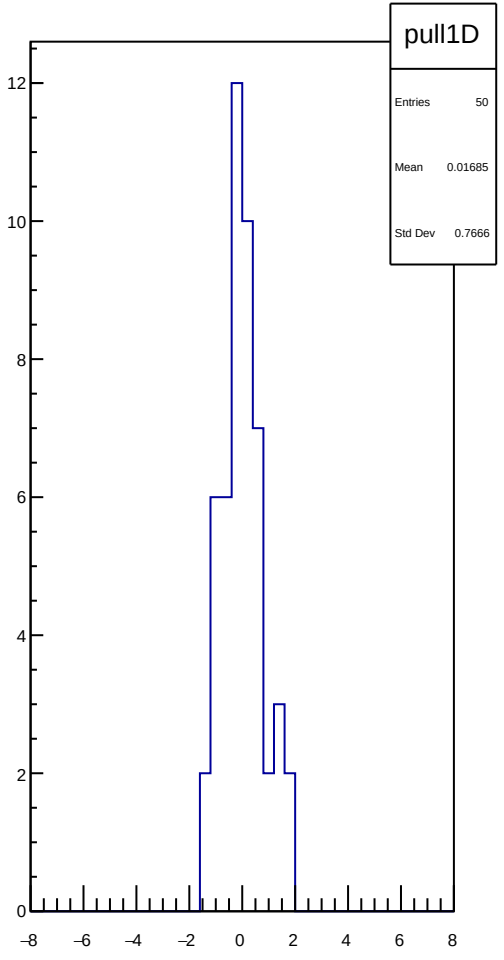

pull1D
Entries 50
Mean −0.02238
Std Dev 0.8134

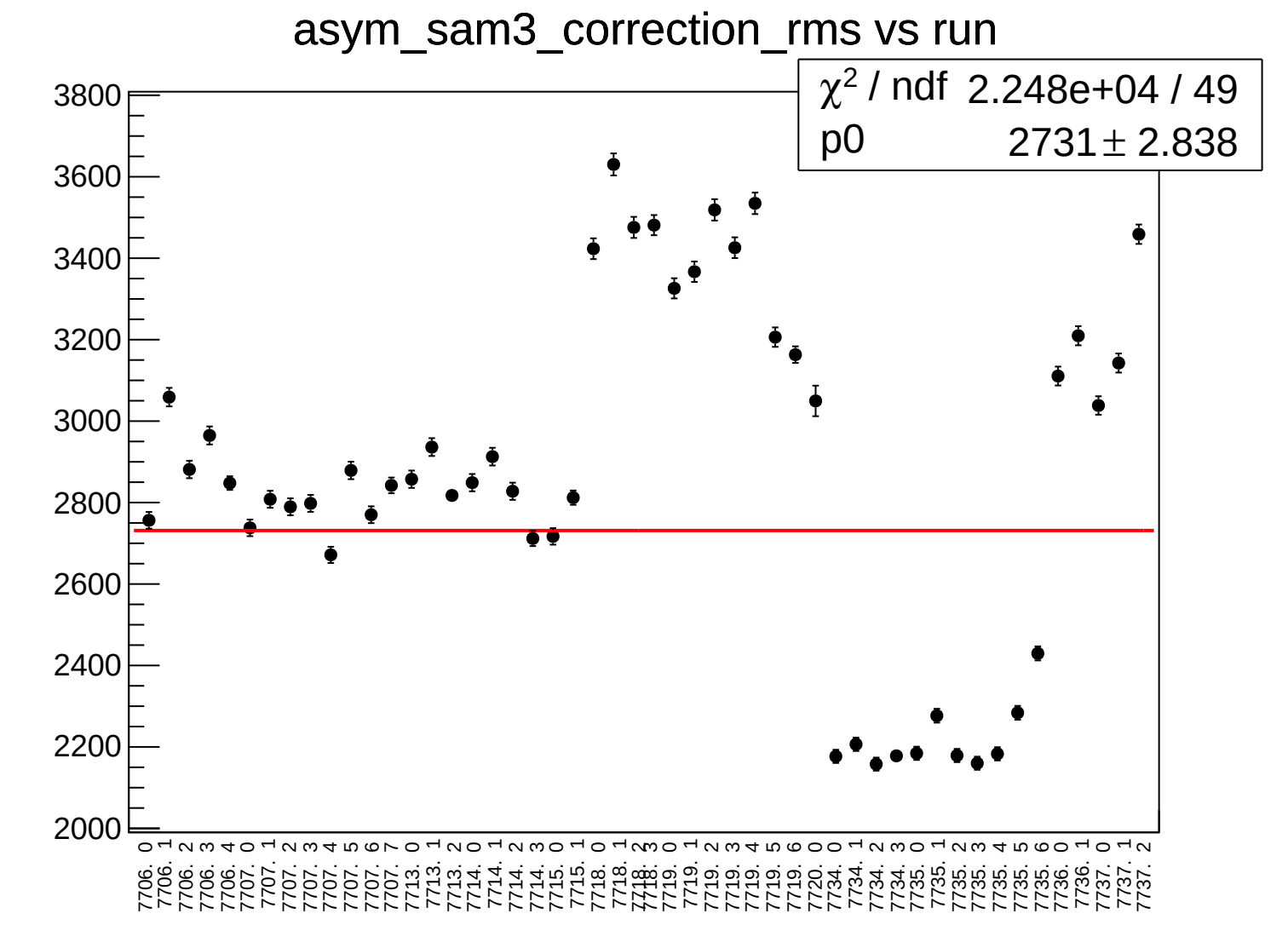

asym_sam2_rms vs run
χ² / ndf 2.338e+04 / 49
p0 5235 ± 5.442
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

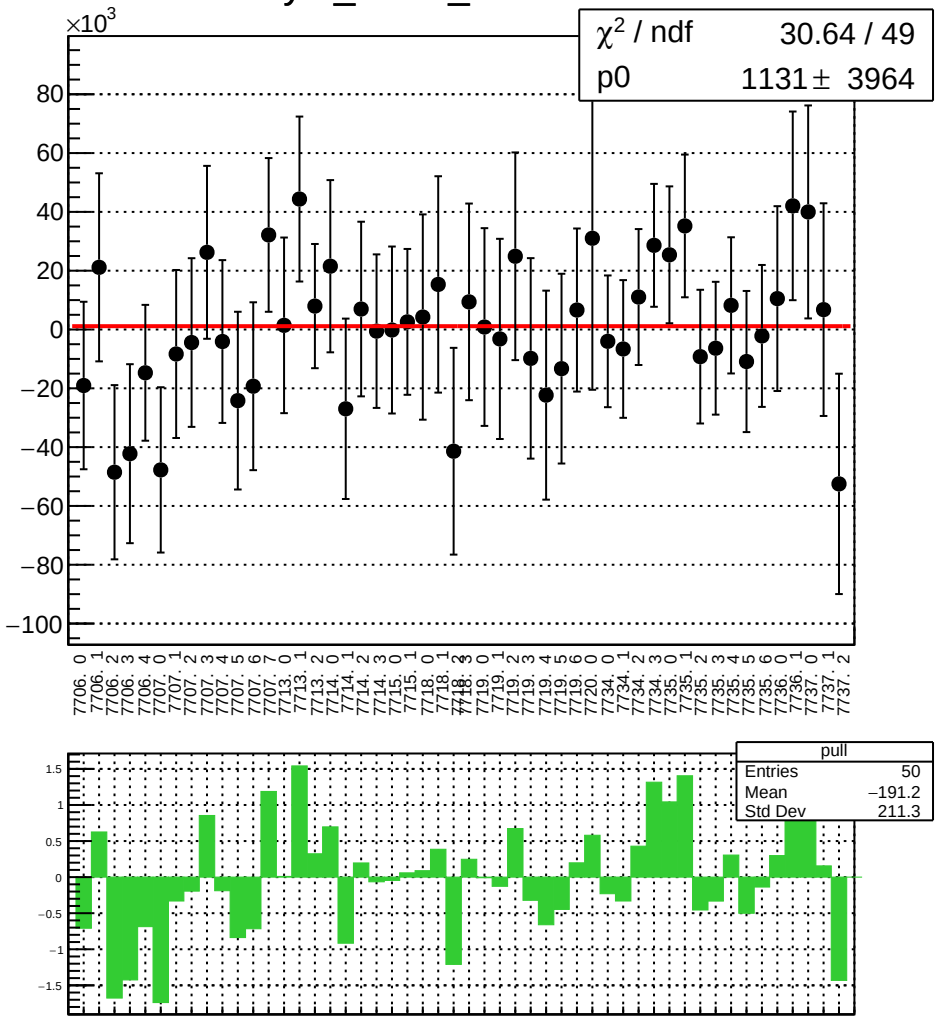

dit_asym_sam3_mean vs run
χ² / ndf 37.5 / 49
p0 227.3 ± 516
10000
5000
0
−5000
−10000
−15000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 596.2
Std Dev 581.1
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.002595
Std Dev 0.866
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

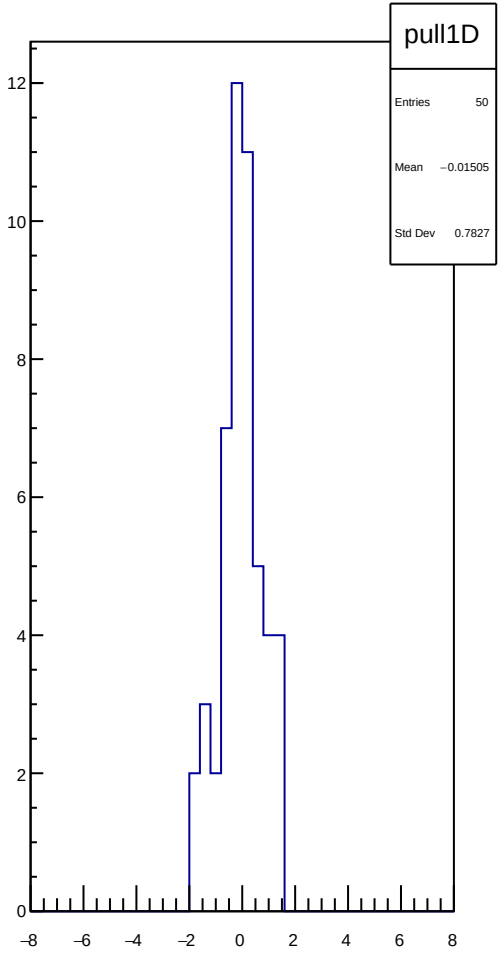

dit_asym_sam3_rms vs run
χ² / ndf 1.779e+04 / 49
p0 352 ± 0.3649
700
650
600
550
500
450
400
350
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

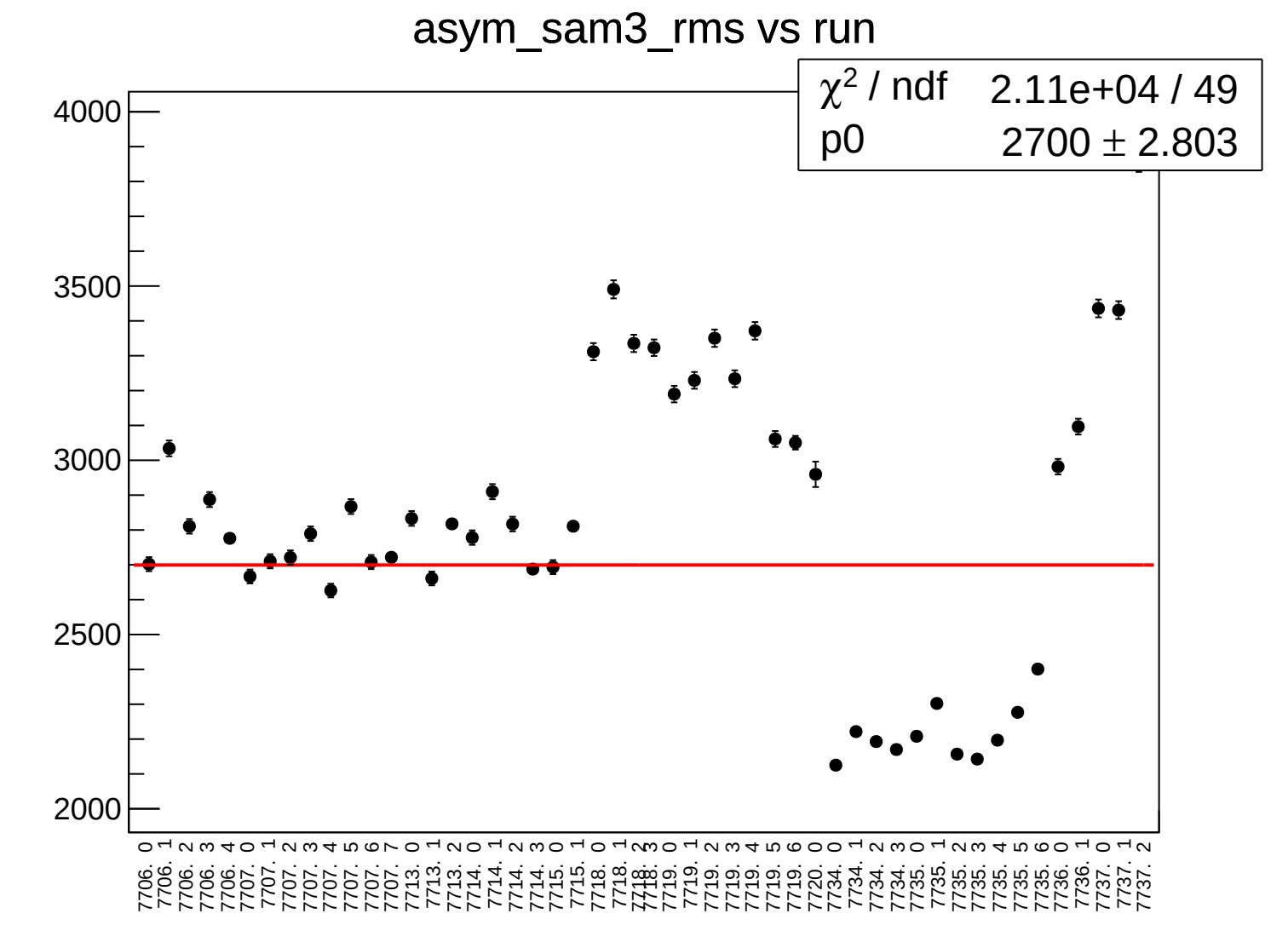

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 29.4 / 49
p0 −997.3 ± 4013
100
50
0
−50
−100
pull
Entries 50
Mean −152.9
Std Dev 173.2
1.5
1
0.5
0
−0.5
−1
−1.5

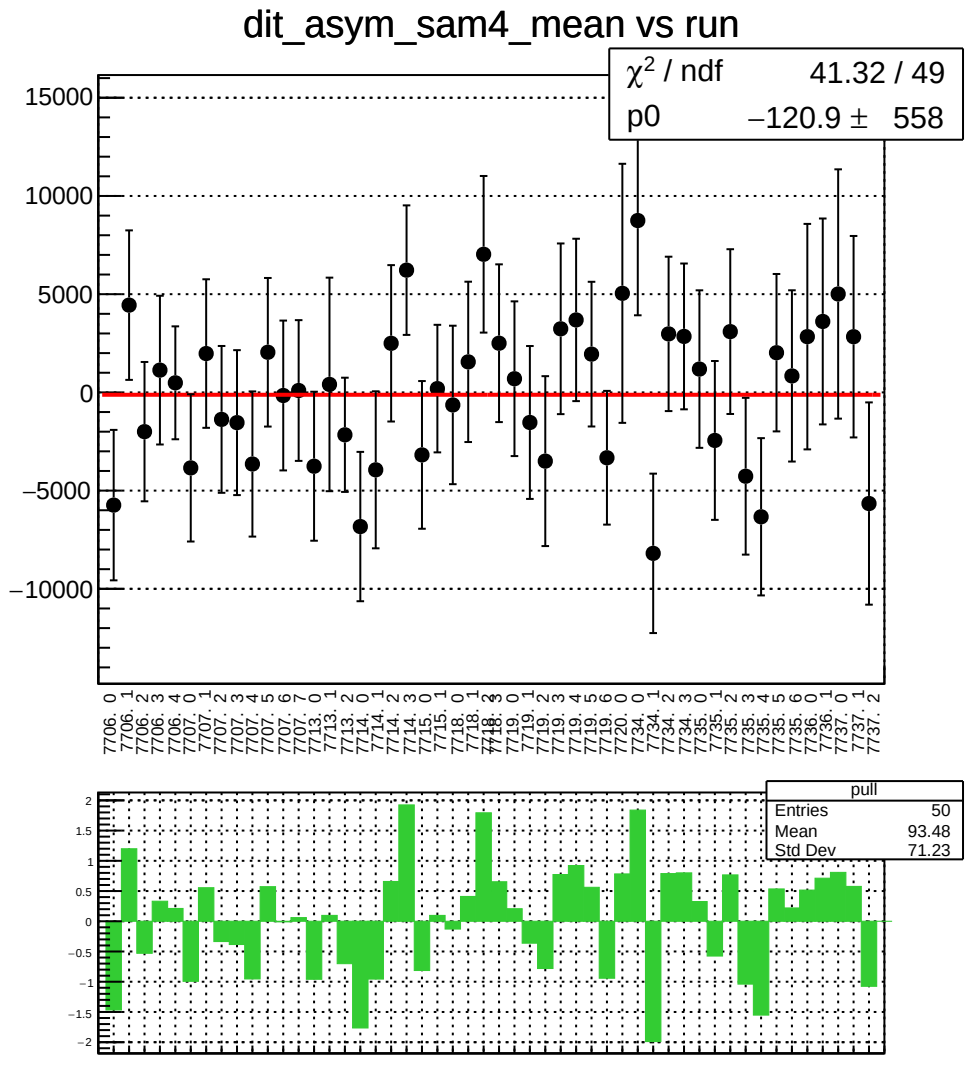

pull1D
Entries 50
Mean 0.01685
Std Dev 0.7666
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

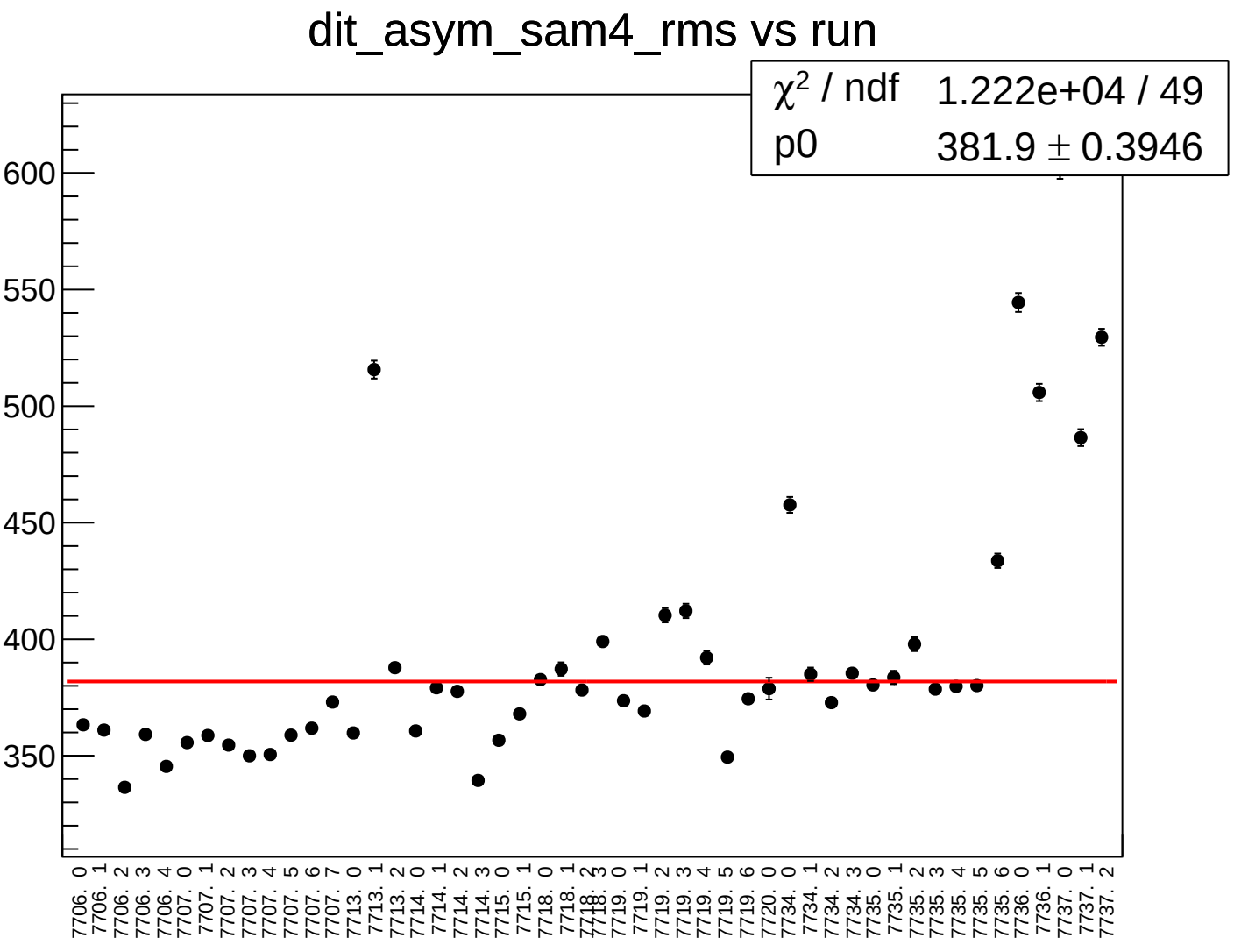

asym_sam3_correction_rms vs run
χ² / ndf 2.248e+04 / 49
p0 2731 ± 2.838
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

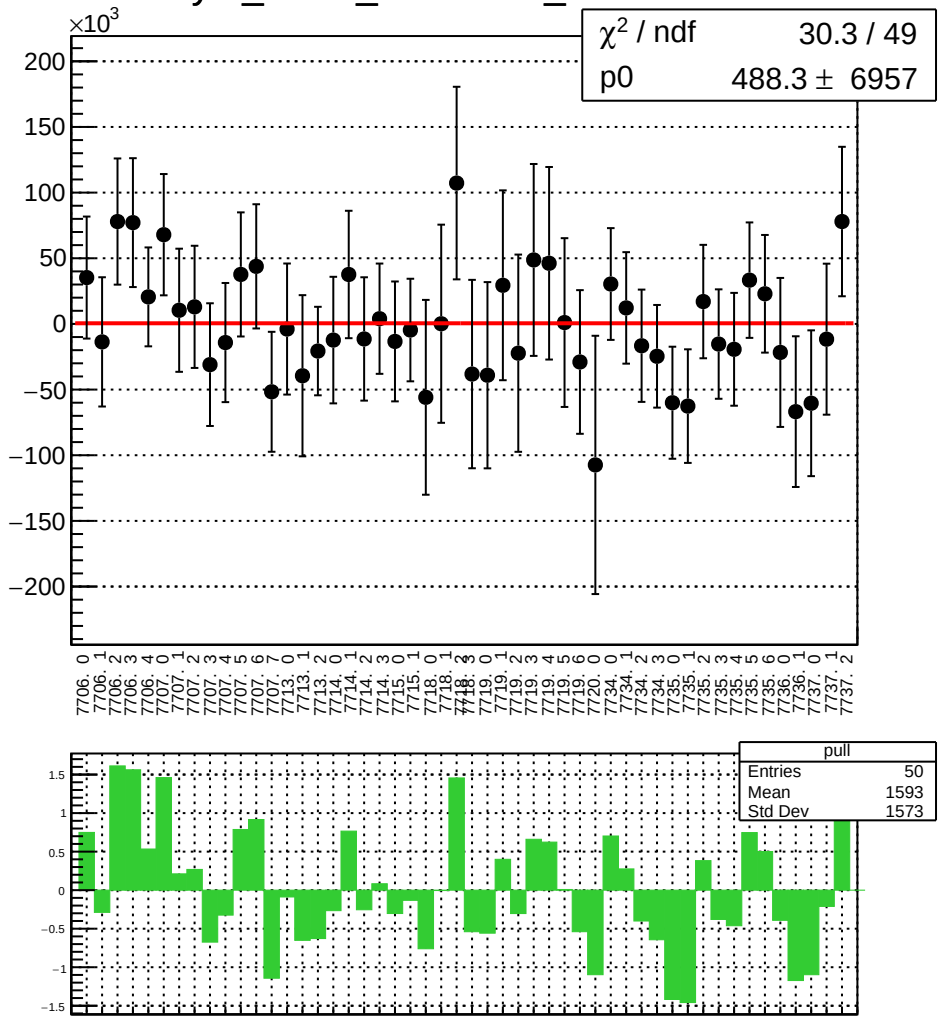

asym_sam3_mean vs run
×10^3
χ² / ndf 30.64 / 49
p0 1131 ± 3964
pull
Entries 50
Mean −191.2
Std Dev 211.3

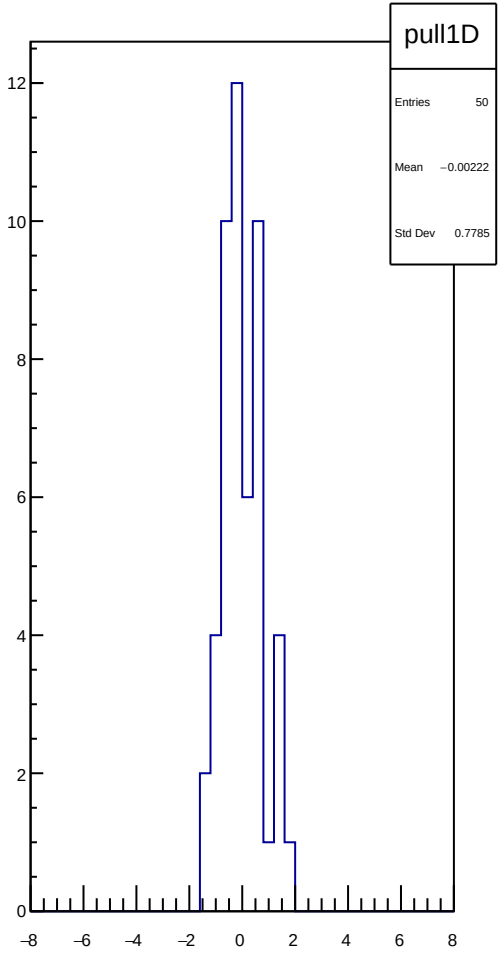

pull1D
Entries 50
Mean −0.01505
Std Dev 0.7827

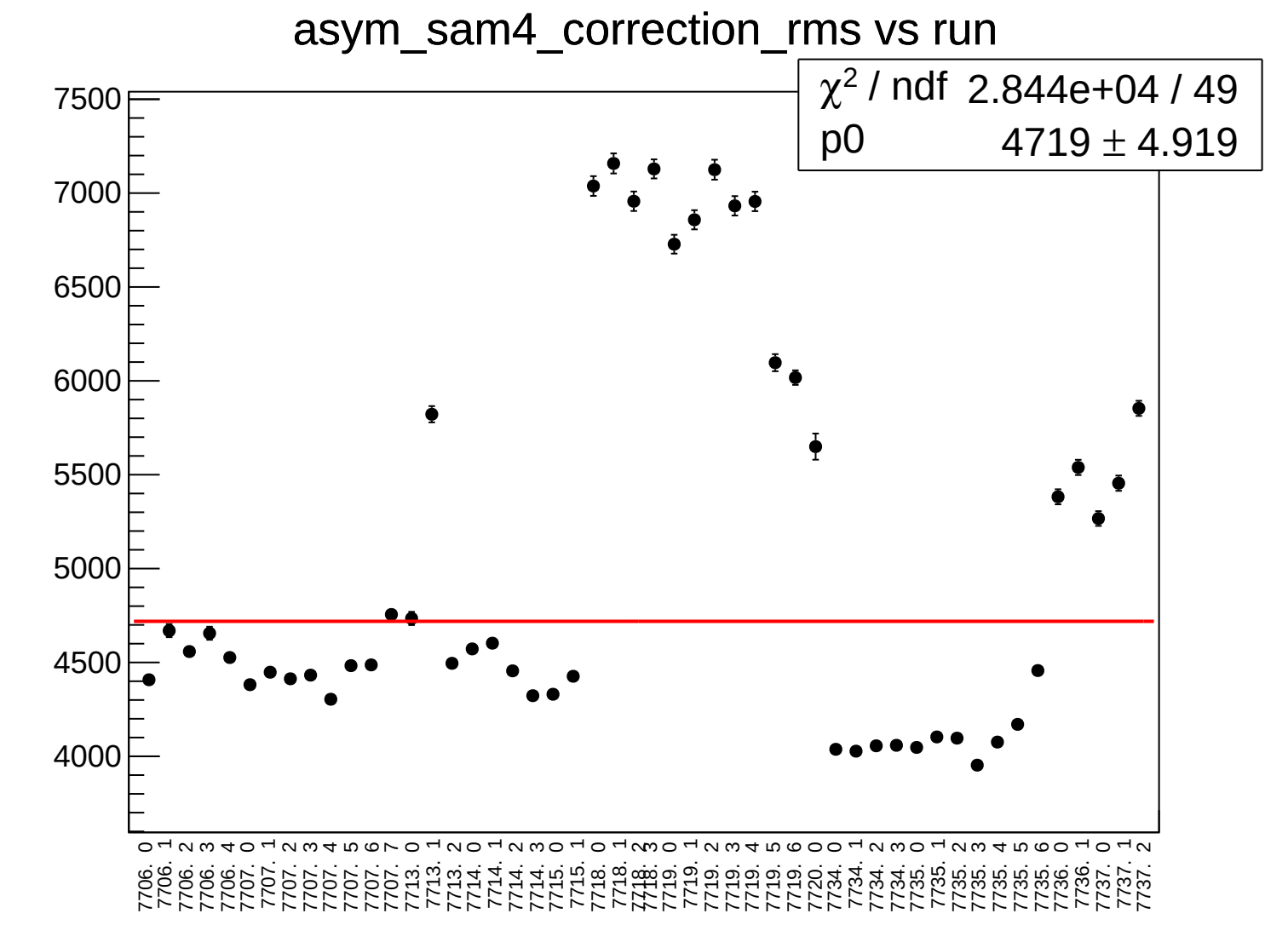

asym_sam3_rms vs run
χ² / ndf 2.11e+04 / 49
p0 2700 ± 2.803
4000
3500
3000
2500
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

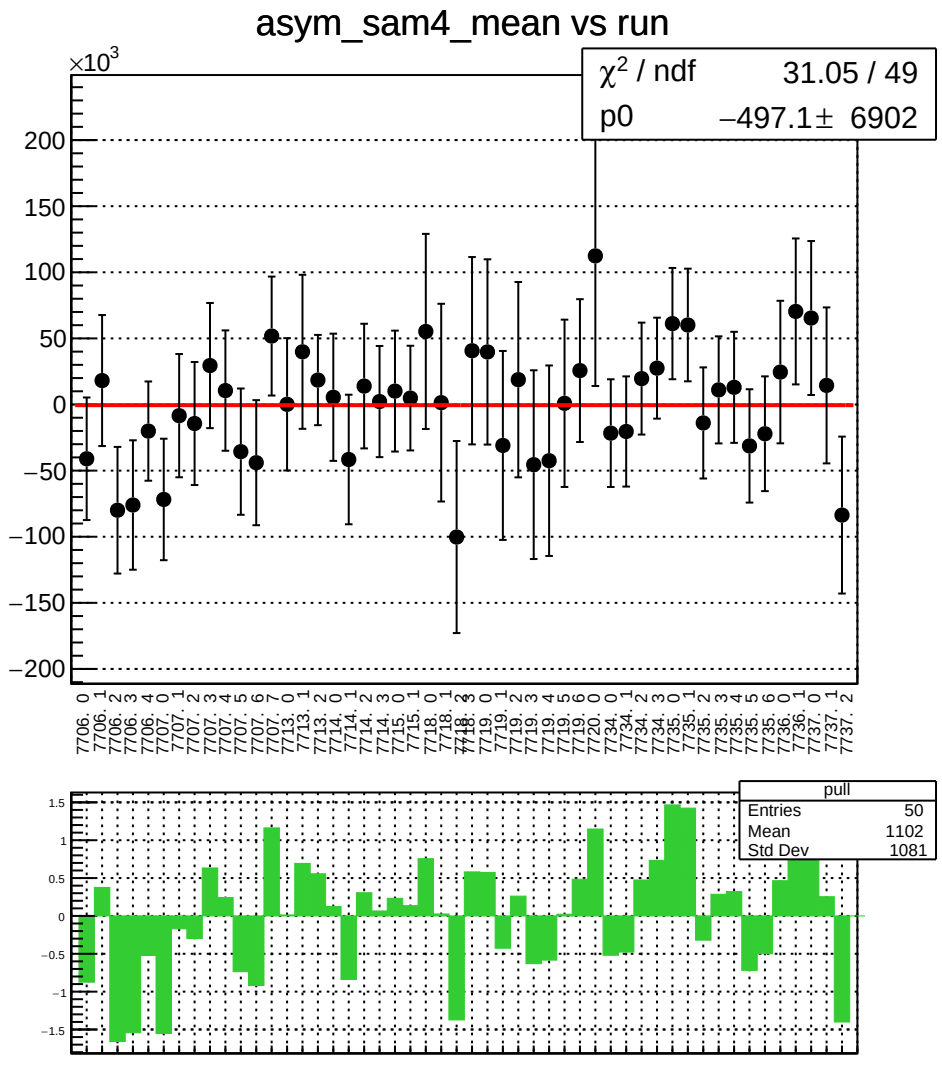

dit_asym_sam4_mean vs run
χ² / ndf 41.32 / 49
p0 −120.9 ± 558
15000
10000
5000
0
−5000
−10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 93.48
Std Dev 71.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02776
Std Dev 0.9086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

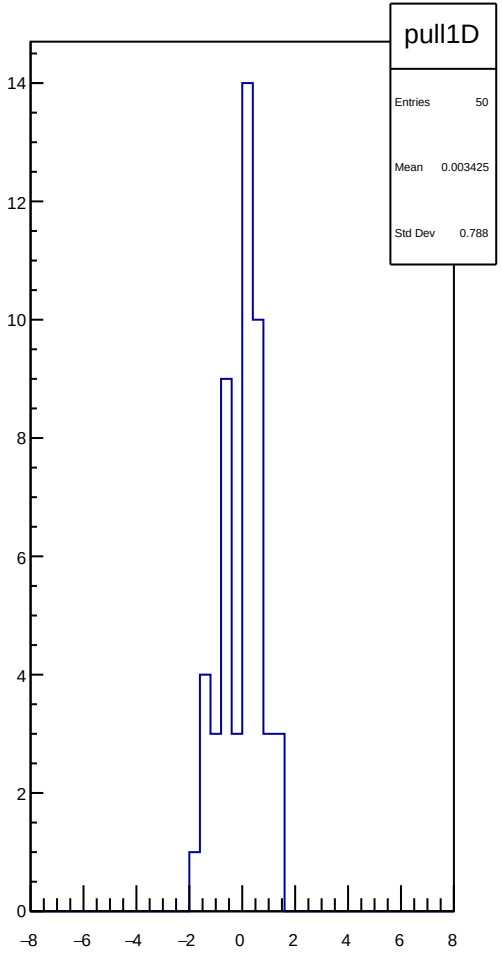

dit_asym_sam4_rms vs run
χ² / ndf 1.222e+04 / 49
p0 381.9 ± 0.3946
600
550
500
450
400
350
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

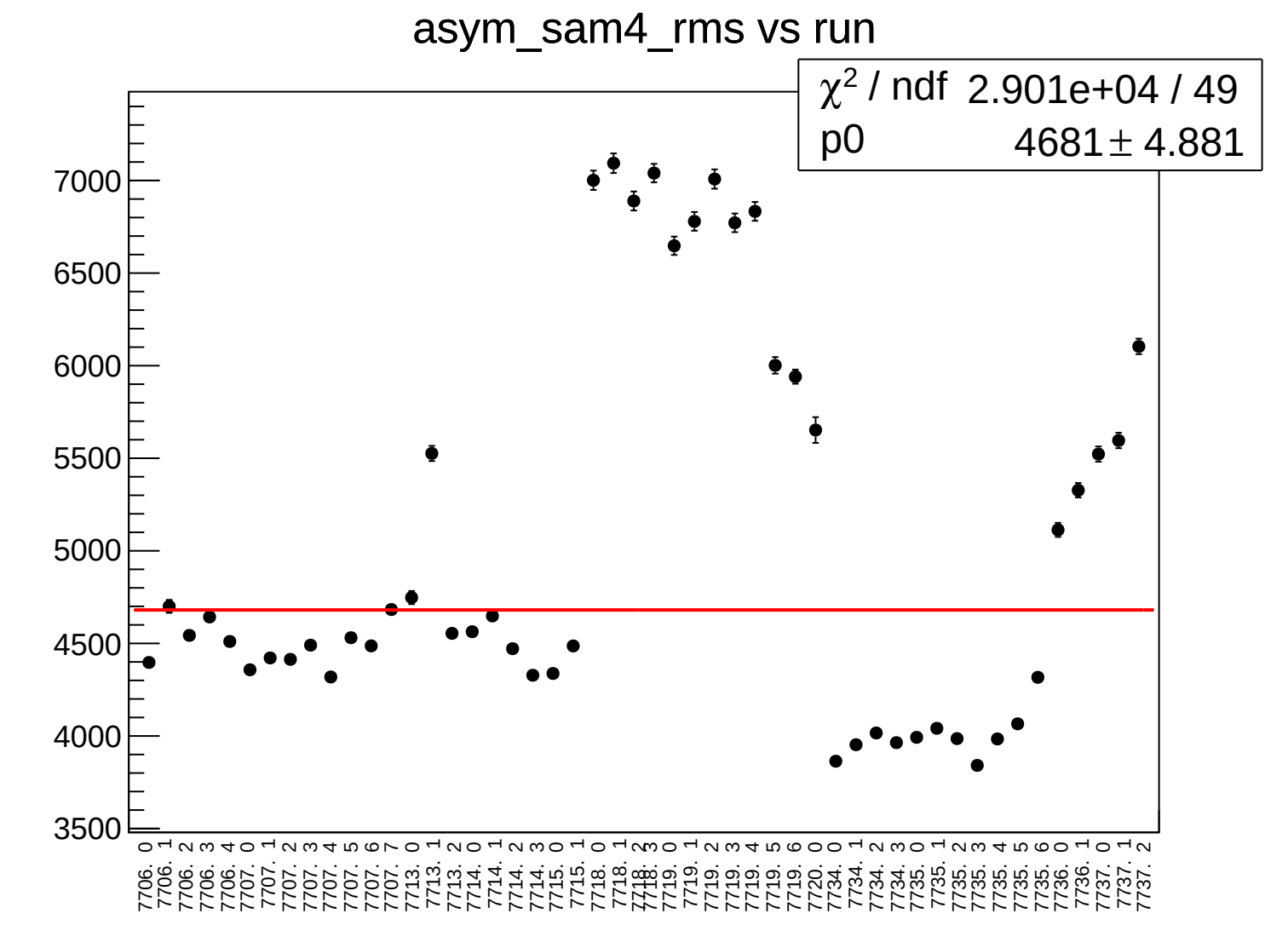

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 30.3 / 49
p0 488.3 ± 6957
pull
Entries 50
Mean 1593
Std Dev 1573

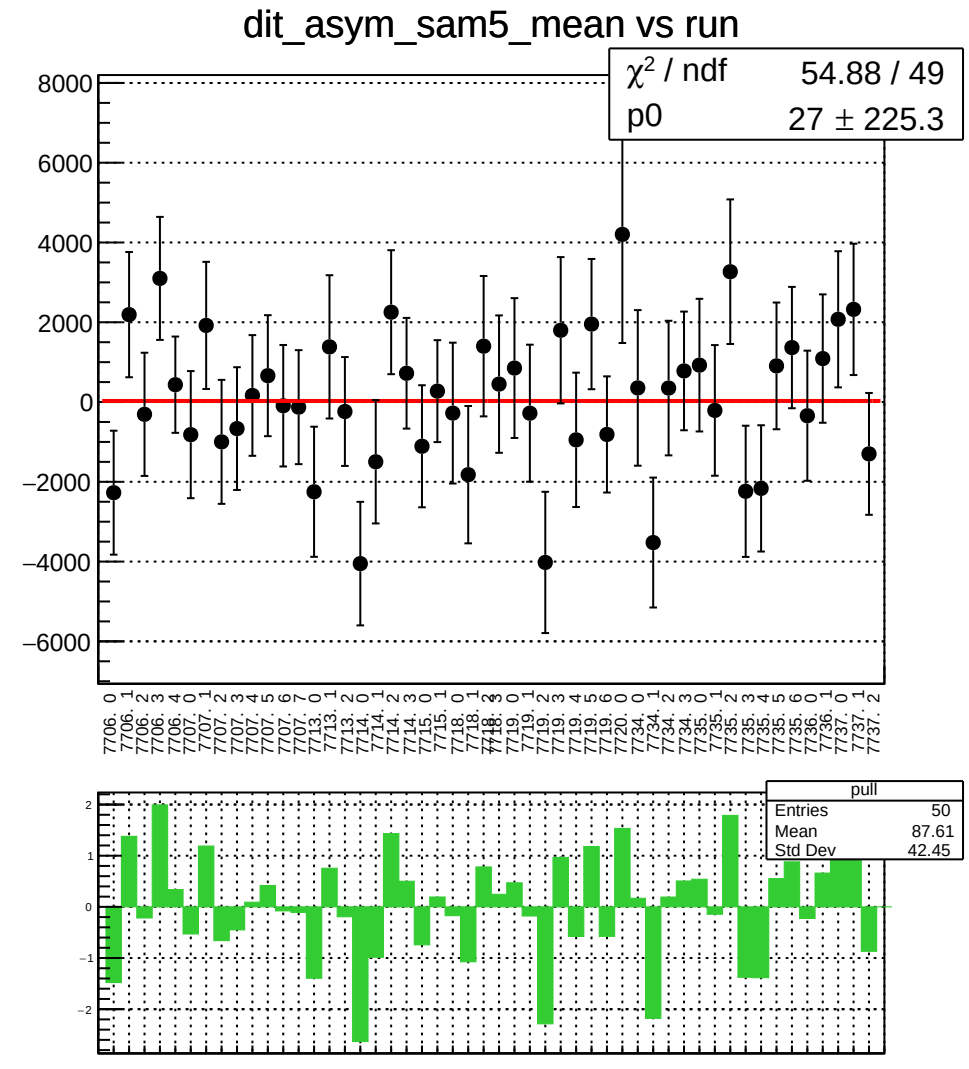

pull1D
Entries 50
Mean −0.00222
Std Dev 0.7785

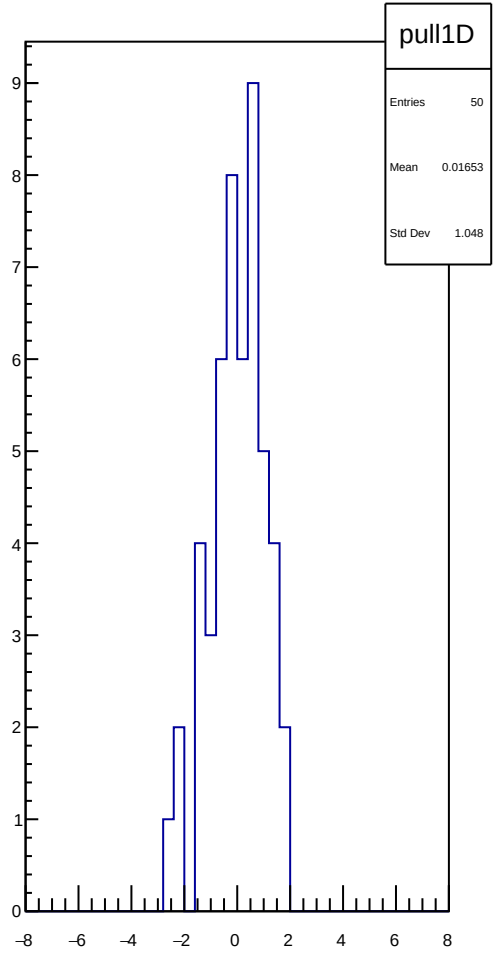

asym_sam4_correction_rms vs run
χ² / ndf 2.844e+04 / 49
p0 4719 ± 4.919
7500
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

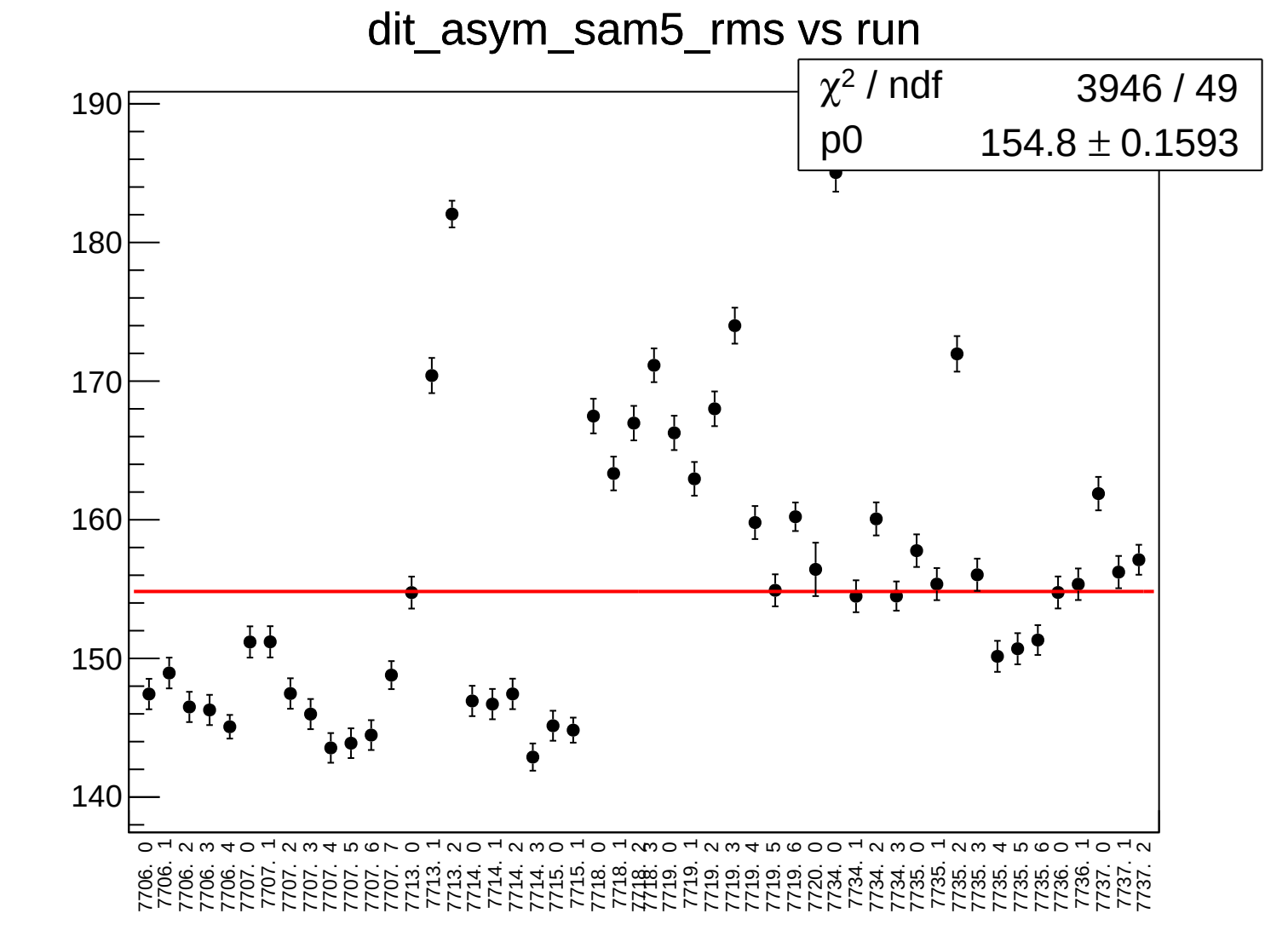

asym_sam4_mean vs run
×10^3
χ² / ndf 31.05 / 49
p0 −497.1± 6902
200
150
100
50
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 1102
Std Dev 1081
1.5
1
0.5
0
−0.5
−1
−1.5

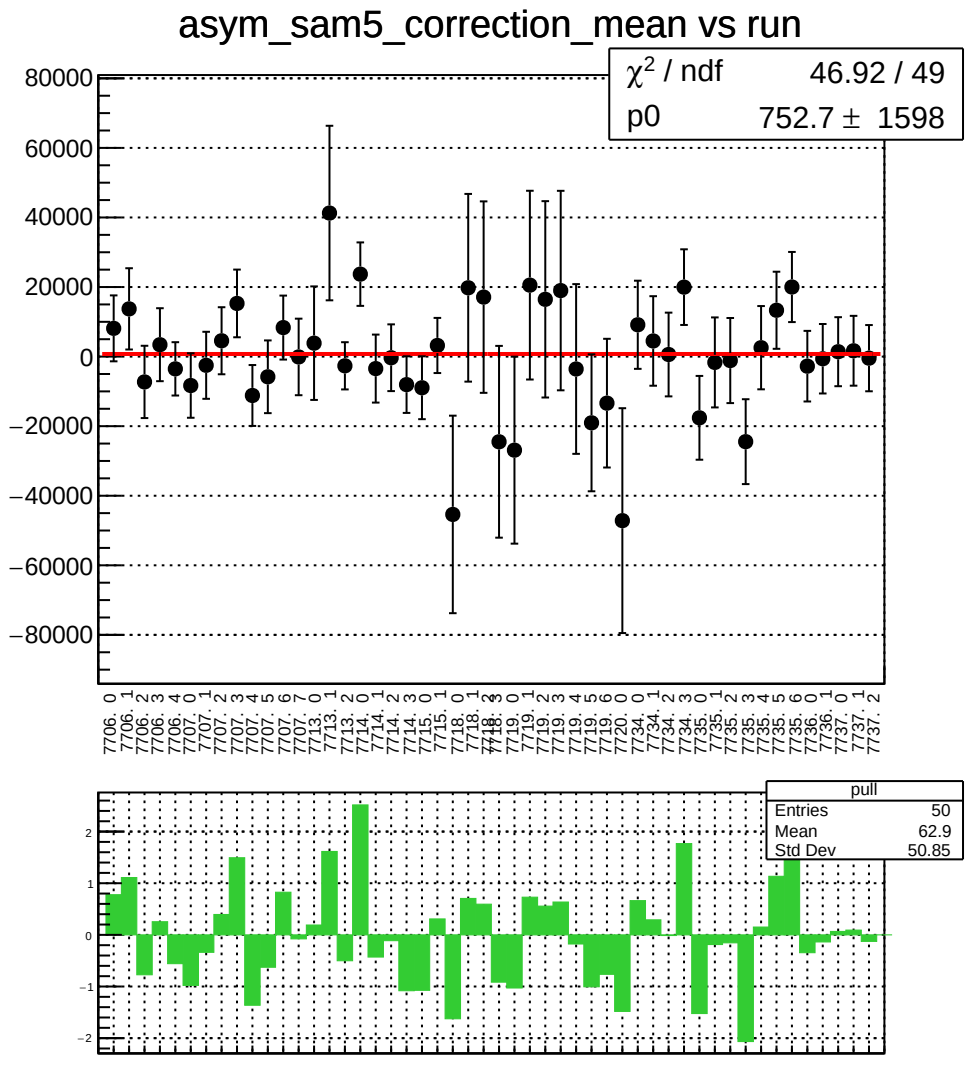

pull1D
Entries 50
Mean 0.003425
Std Dev 0.788
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

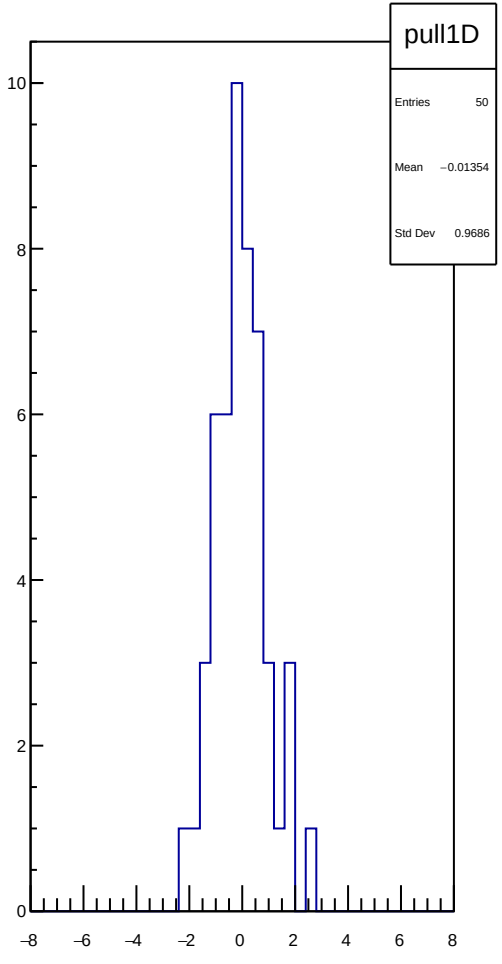

asym_sam4_rms vs run
χ² / ndf 2.901e+04 / 49
p0 4681 ± 4.881
7000
6500
6000
5500
5000
4500
4000
3500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

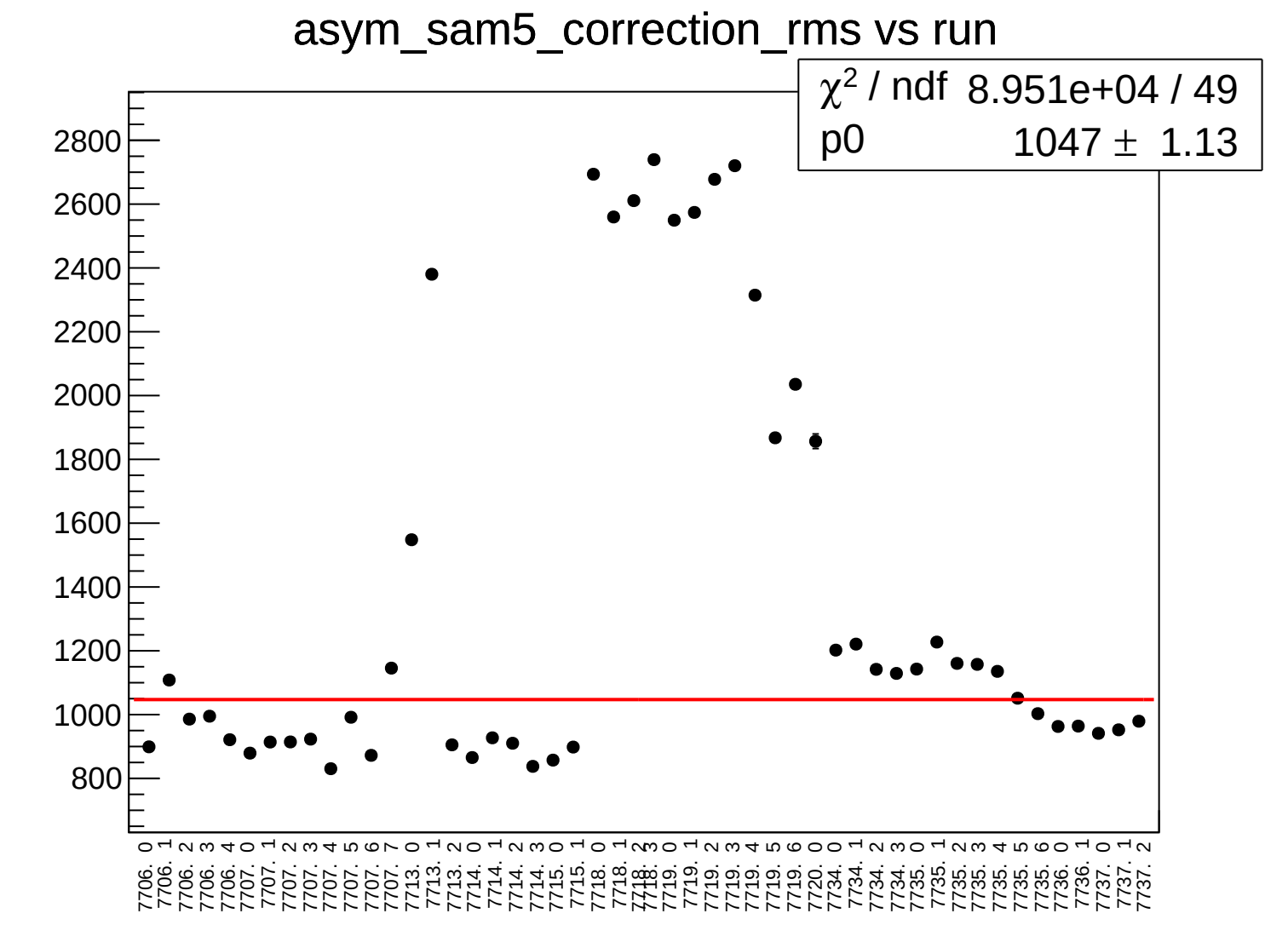

dit_asym_sam5_mean vs run
χ² / ndf 54.88 / 49
p0 27 ± 225.3
8000
6000
4000
2000
0
−2000
−4000
−6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 87.61
Std Dev 42.45
2
1
0
−1
−2

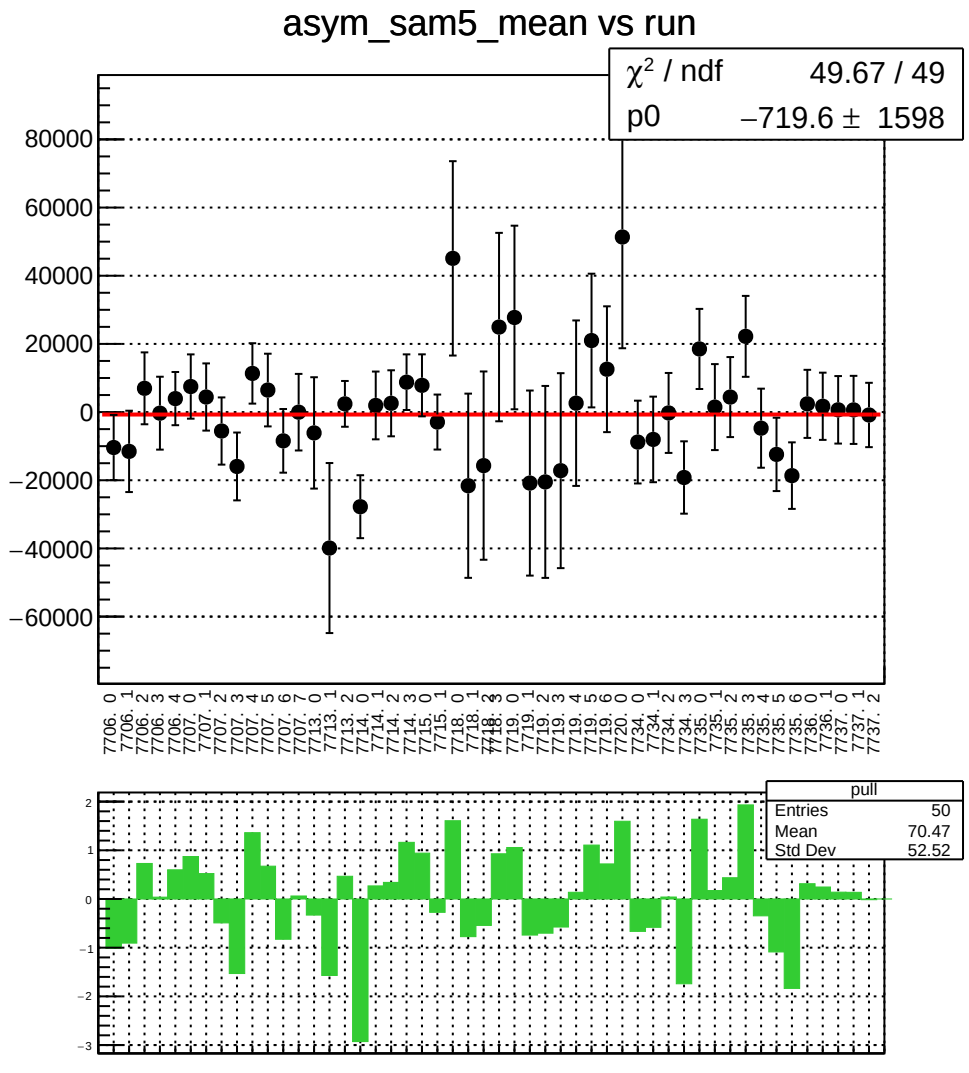

pull1D
Entries 50
Mean 0.01653
Std Dev 1.048
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

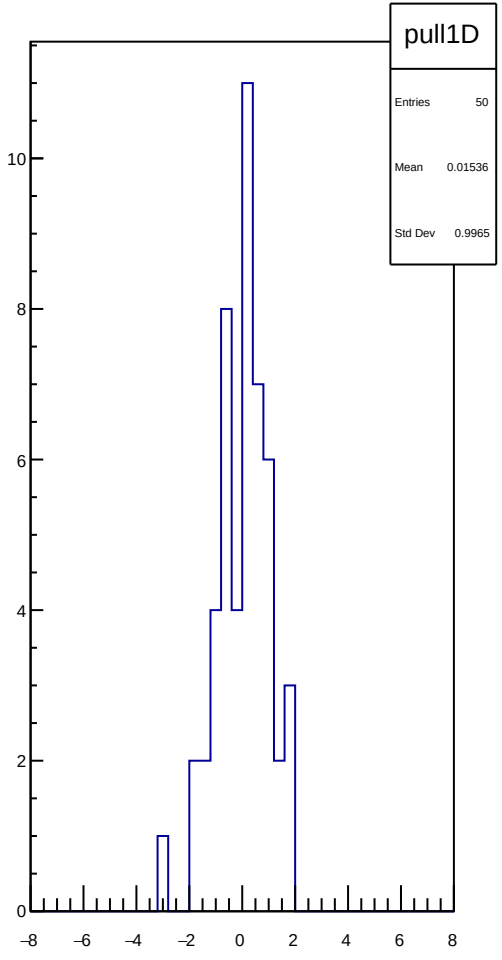

dit_asym_sam5_rms vs run
χ² / ndf 3946 / 49
p0 154.8 ± 0.1593
190
180
170
160
150
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

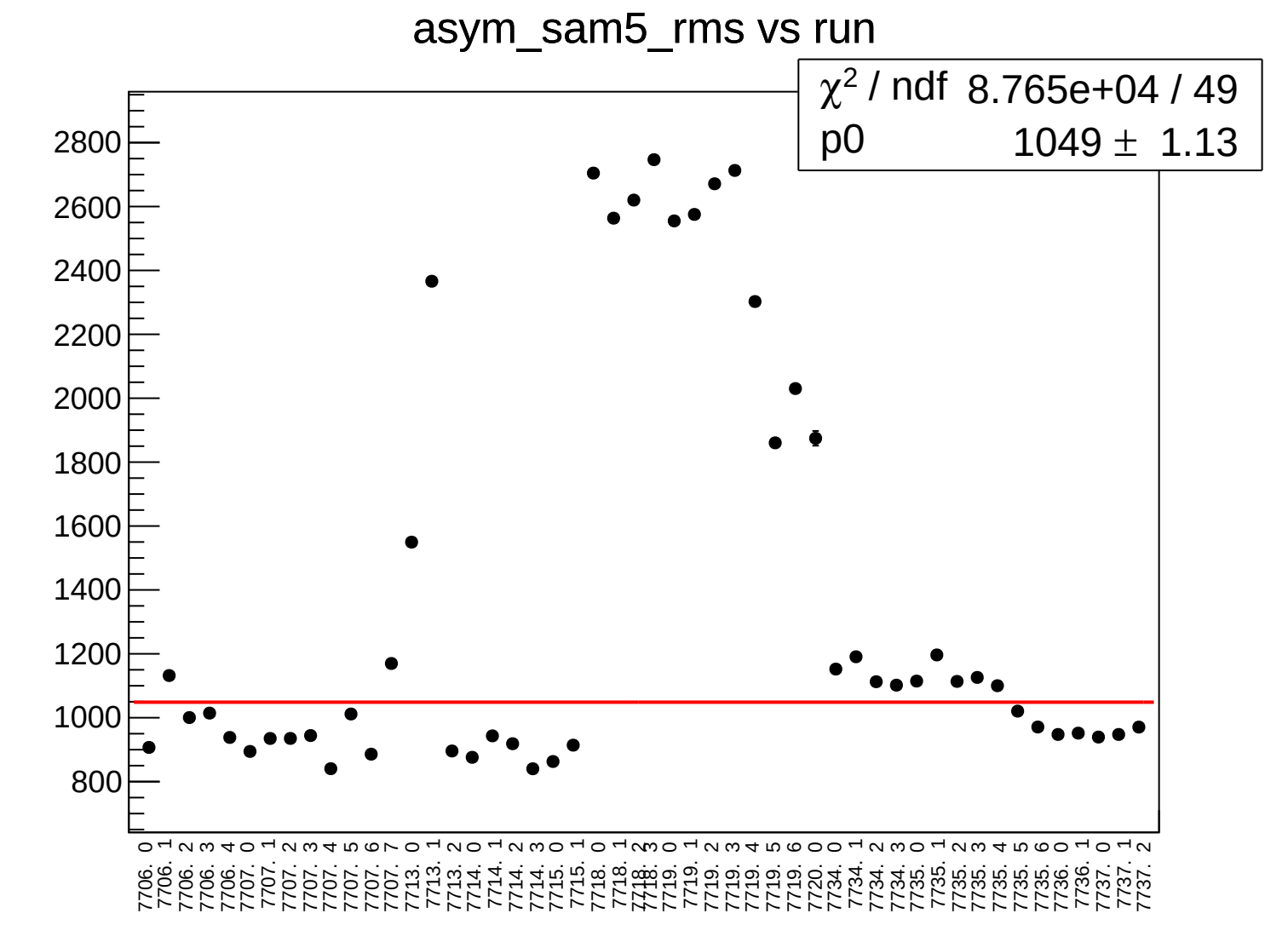

asym_sam5_correction_mean vs run
χ² / ndf 46.92 / 49
p0 752.7 ± 1598
pull
Entries 50
Mean 62.9
Std Dev 50.85

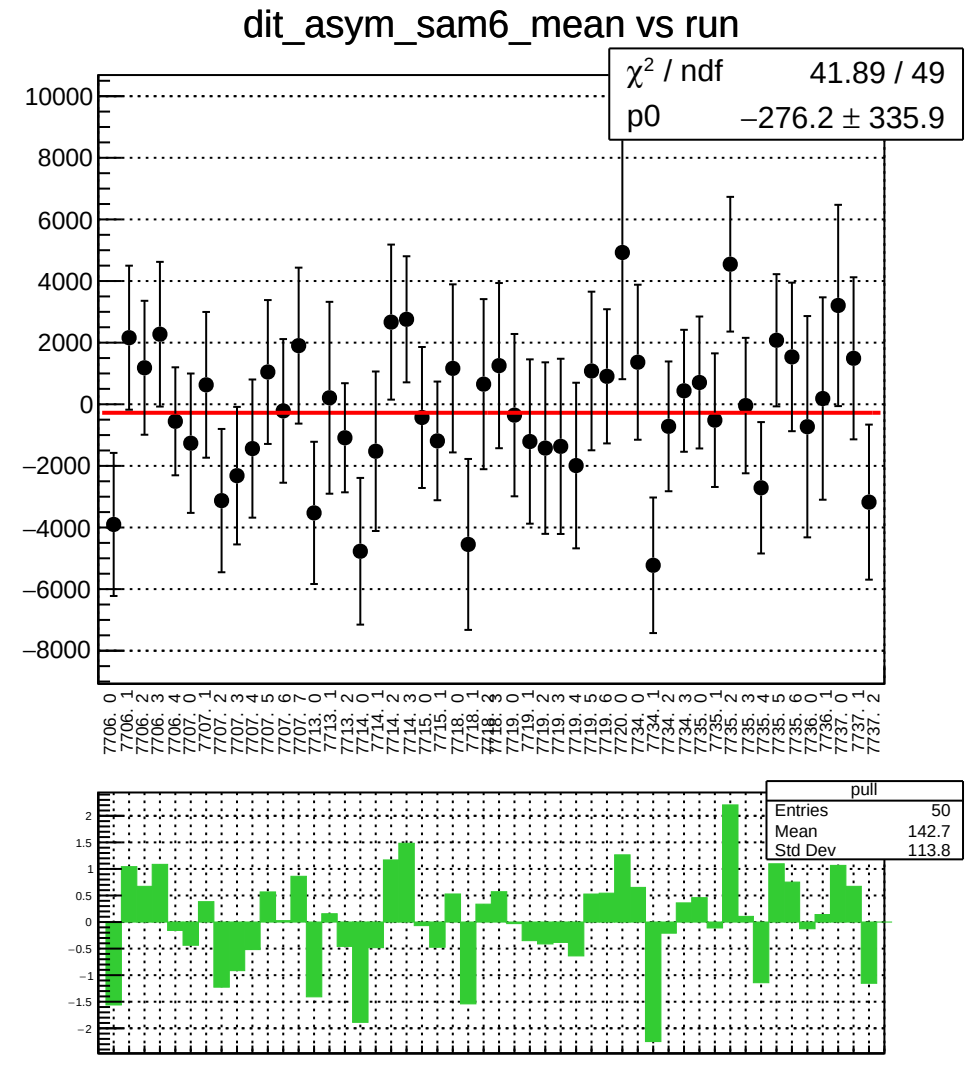

pull1D
Entries 50
Mean −0.01354
Std Dev 0.9686

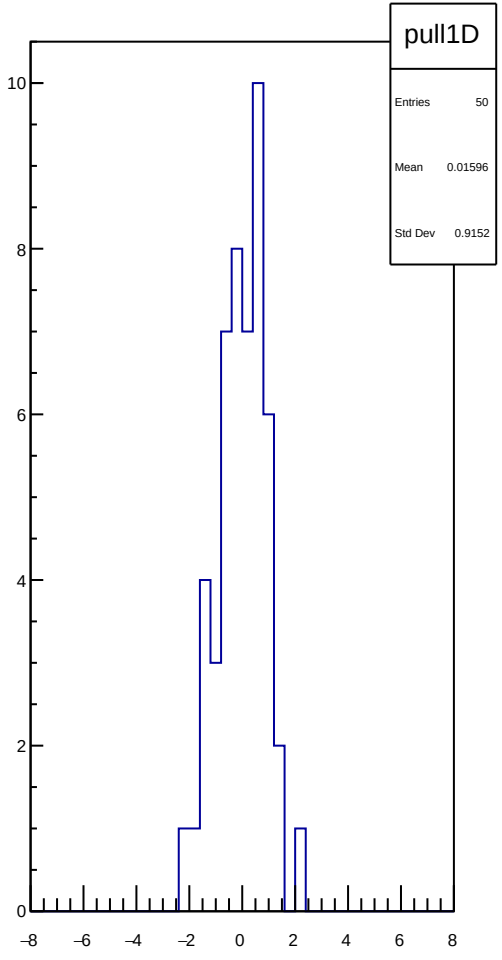

asym_sam5_correction_rms vs run
χ² / ndf 8.951e+04 / 49
p0 1047 ± 1.13
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

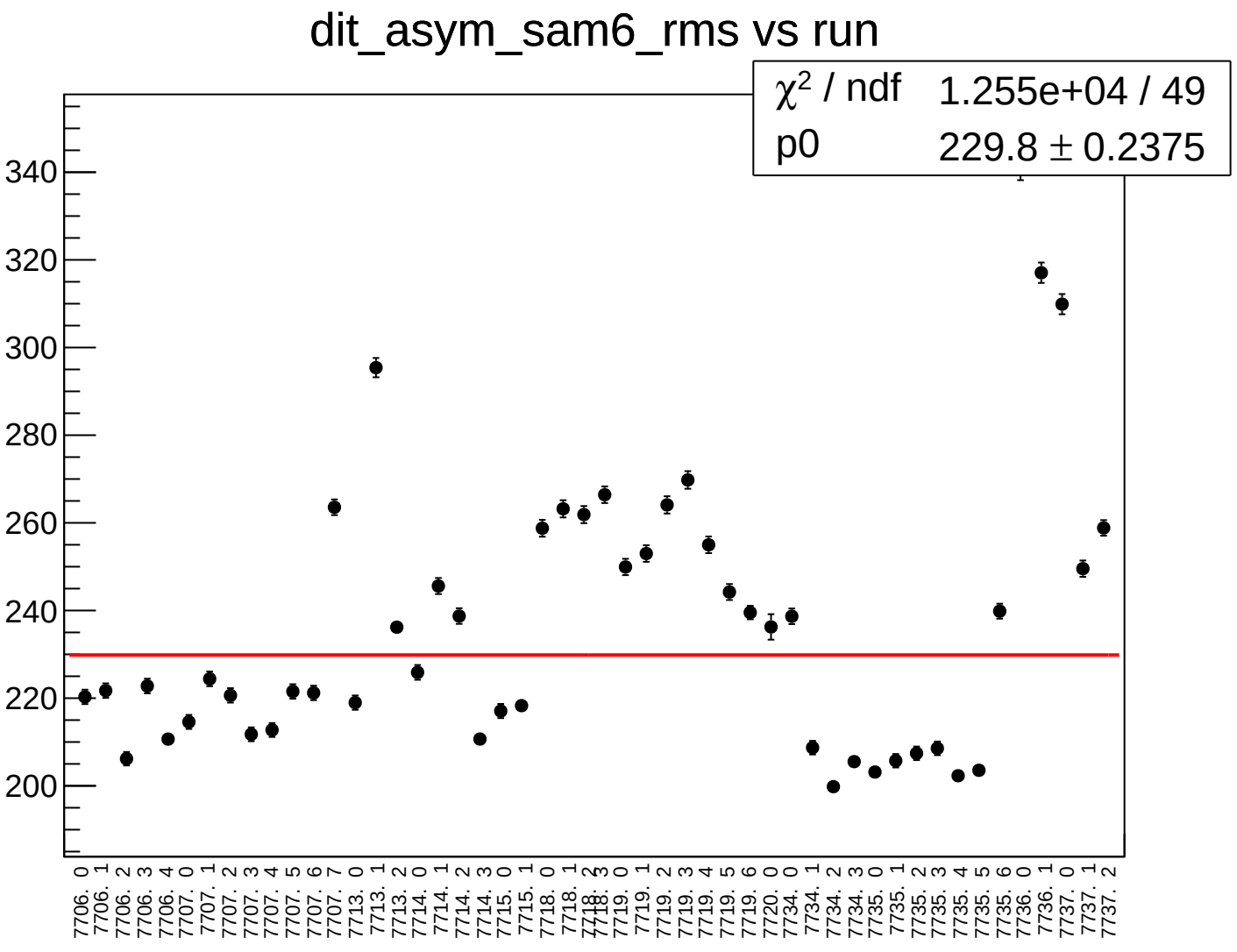

asym_sam5_mean vs run
χ² / ndf 49.67 / 49
p0 −719.6 ± 1598
80000
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 70.47
Std Dev 52.52
2
1
0
−1
−2
−3

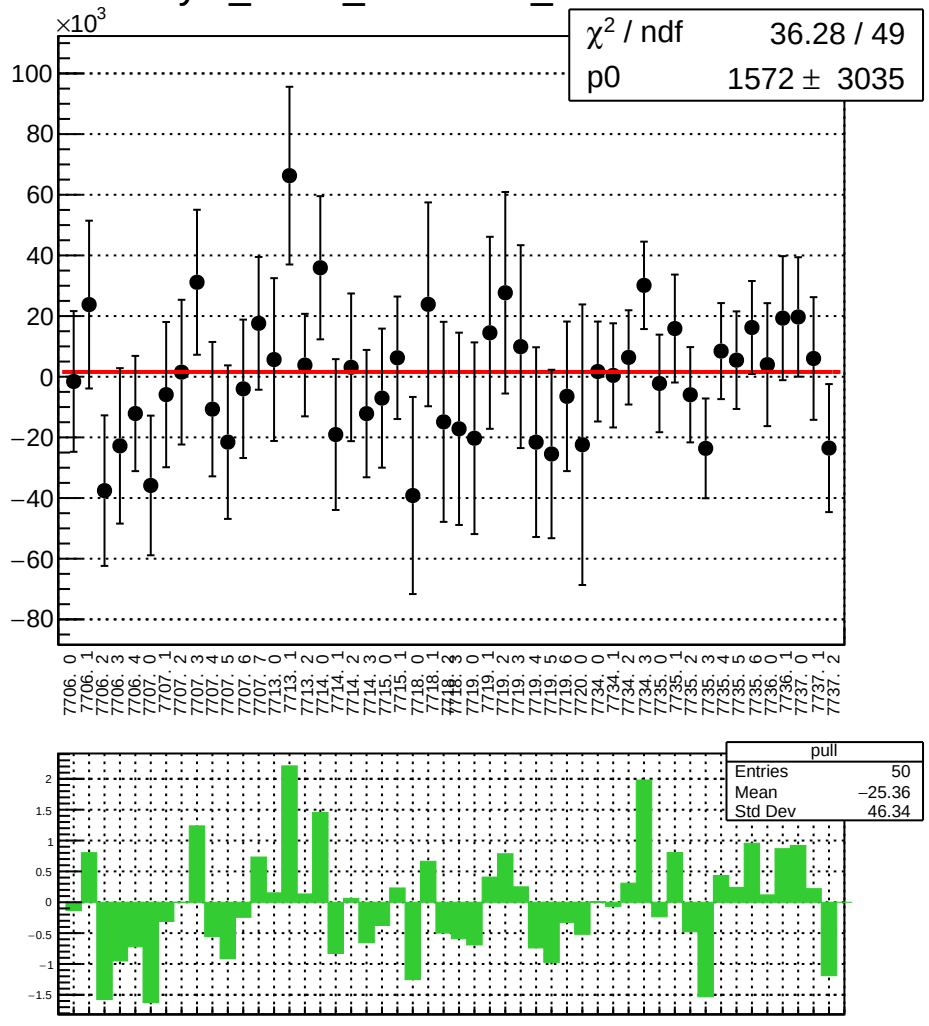

pull1D
Entries 50
Mean 0.01536
Std Dev 0.9965
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

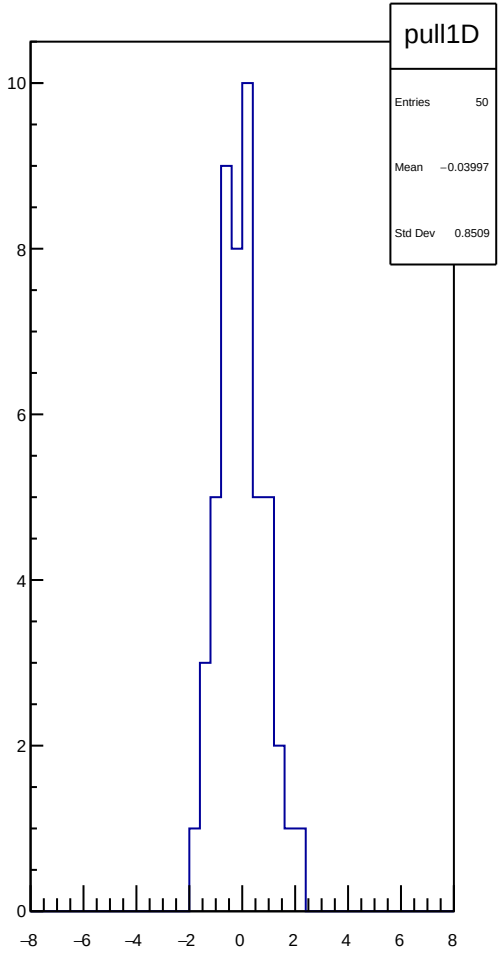

asym_sam5_rms vs run
χ² / ndf 8.765e+04 / 49
p0 1049 ± 1.13
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

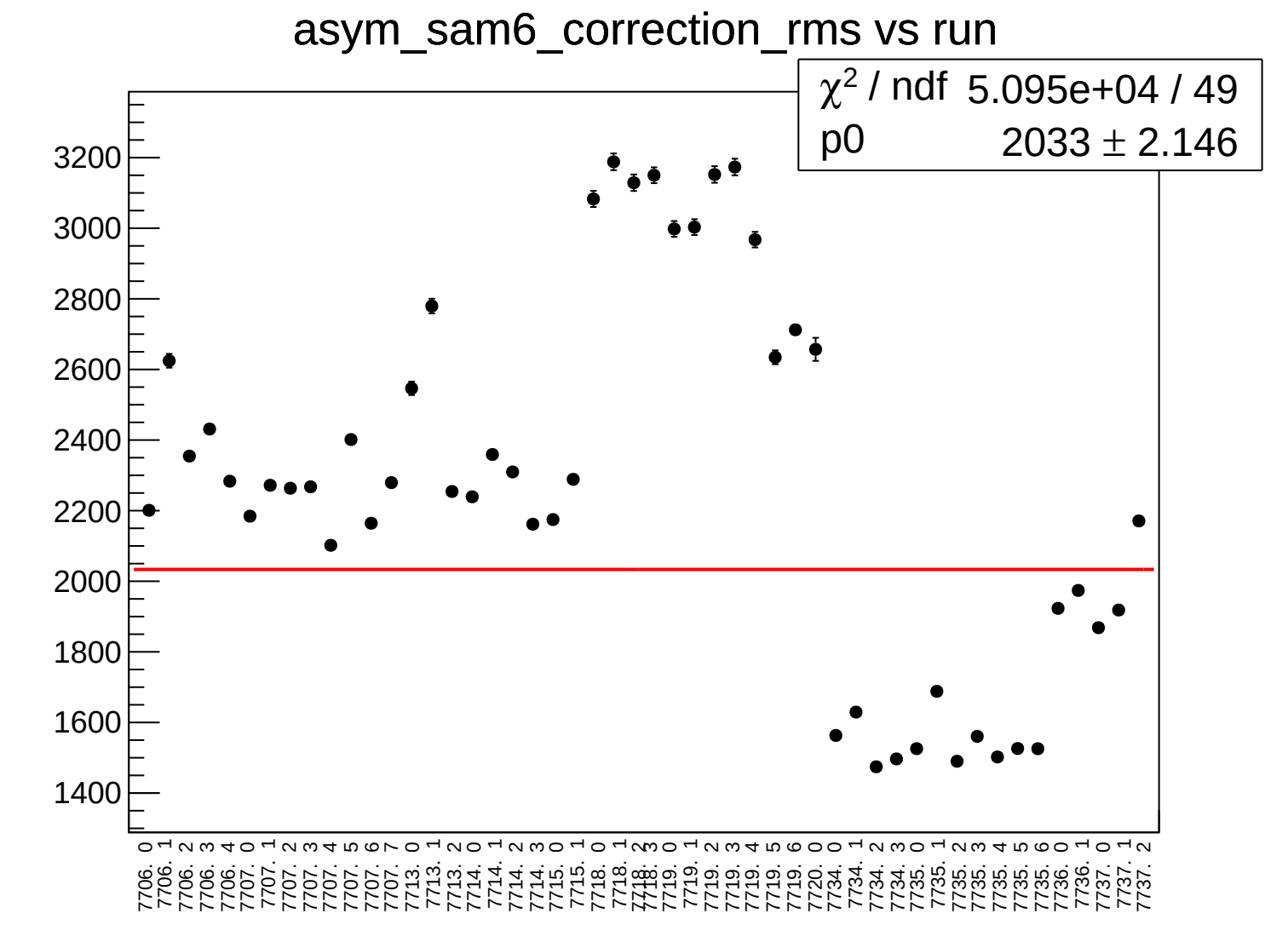

dit_asym_sam6_mean vs run
χ² / ndf 41.89 / 49
p0 −276.2 ± 335.9
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 142.7
Std Dev 113.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

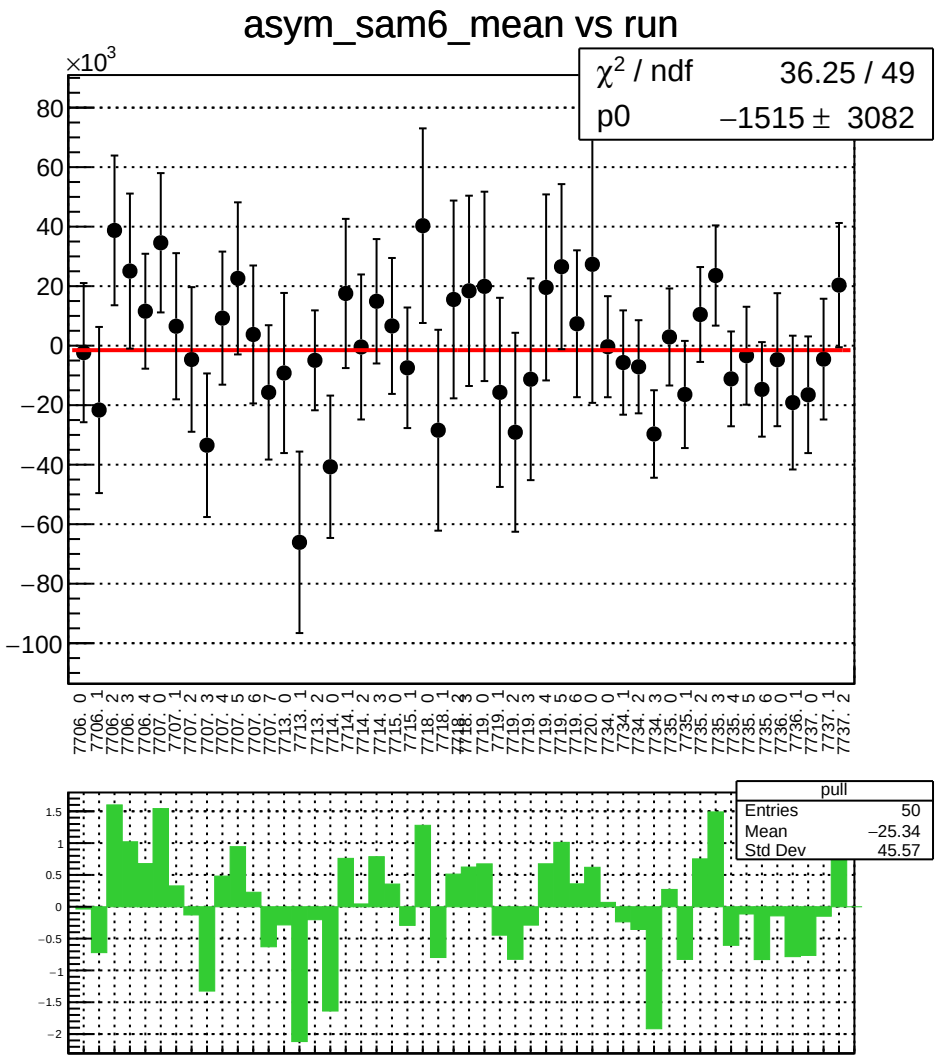

pull1D
Entries 50
Mean 0.01596
Std Dev 0.9152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

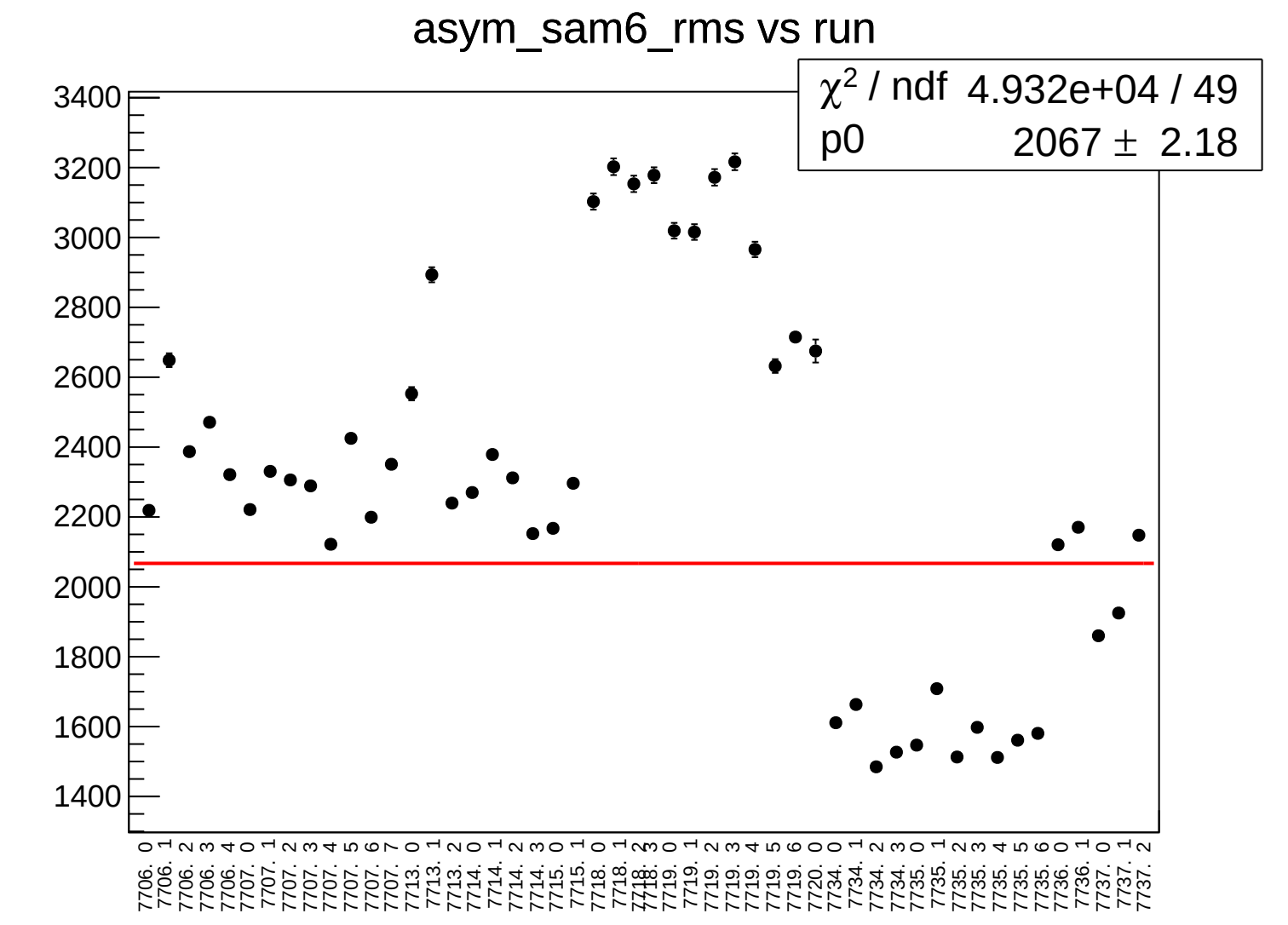

dit_asym_sam6_rms vs run
χ² / ndf 1.255e+04 / 49
p0 229.8 ± 0.2375
340
320
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

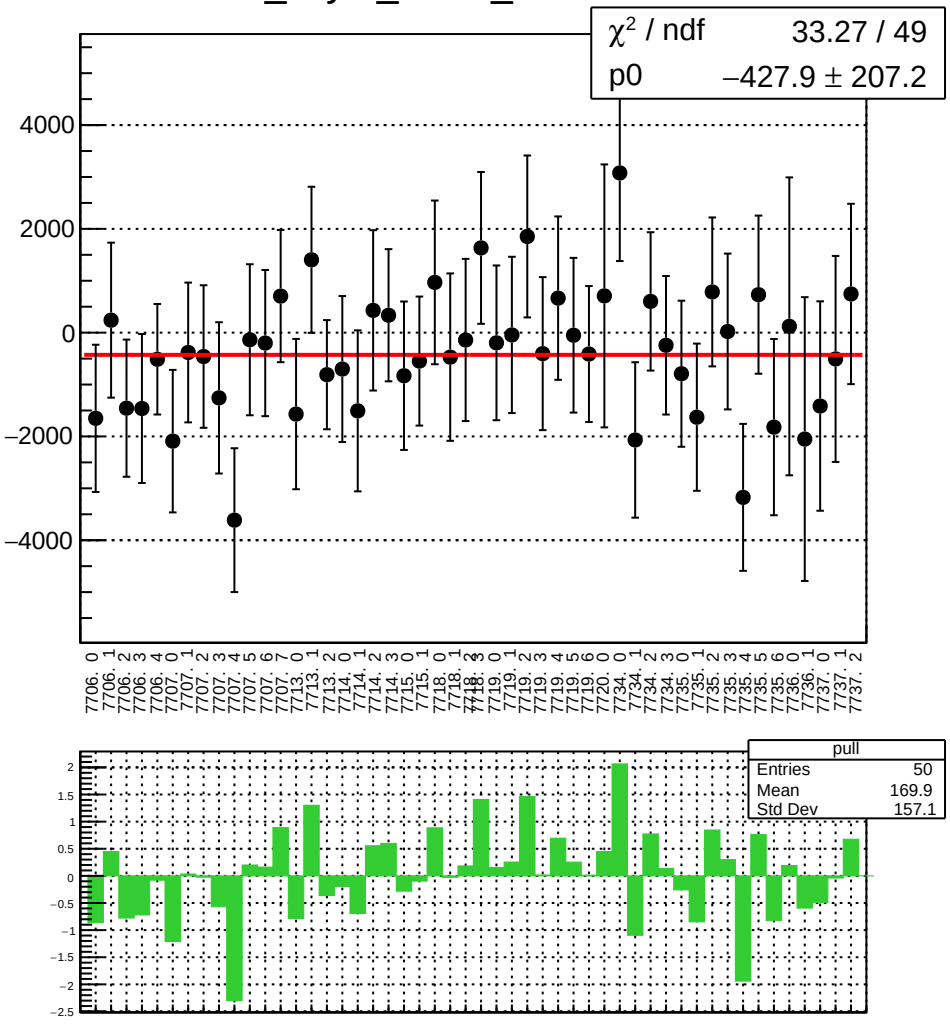

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 36.28 / 49
p0 1572 ± 3035
pull
Entries 50
Mean −25.36
Std Dev 46.34

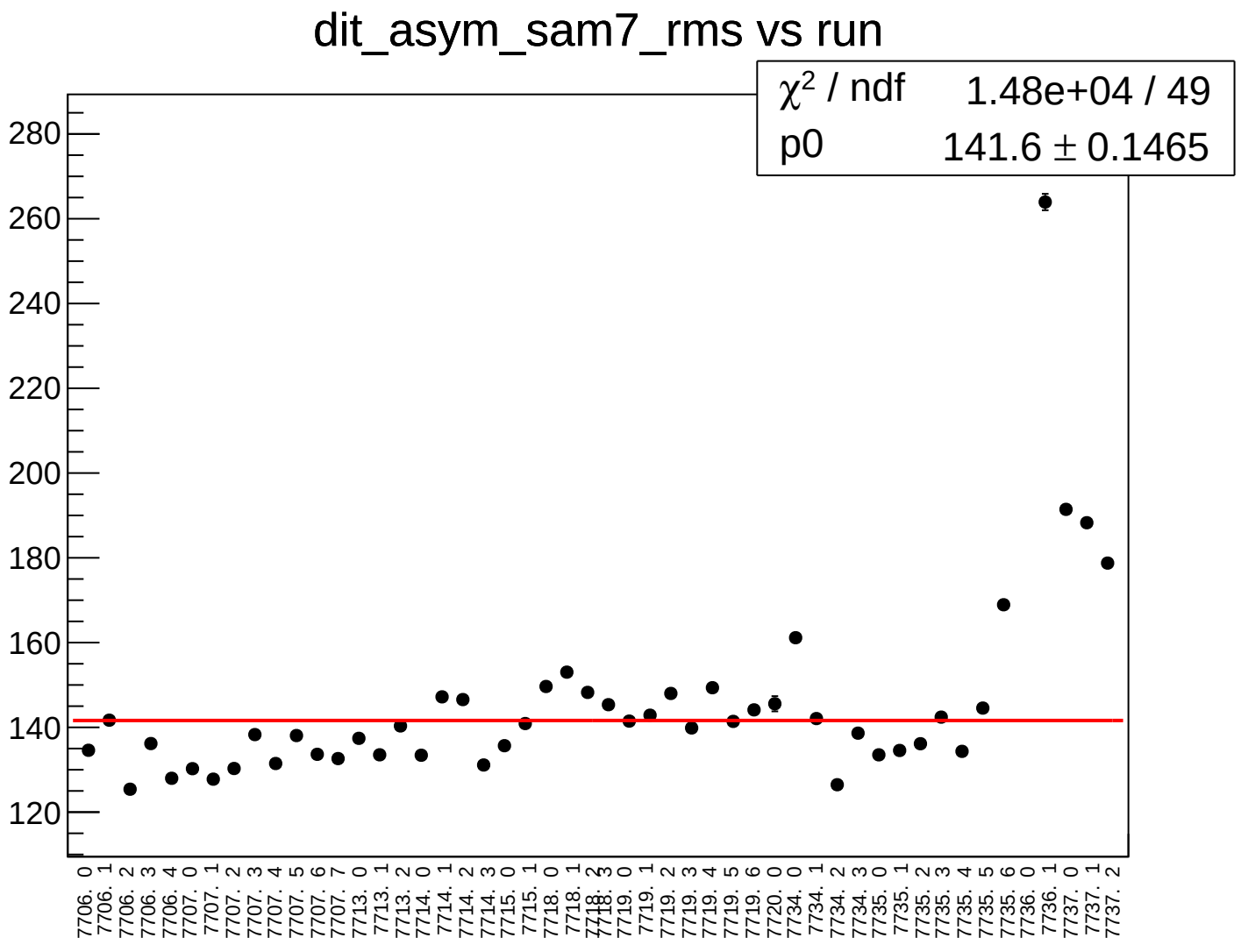

pull1D
Entries 50
Mean −0.03997
Std Dev 0.8509

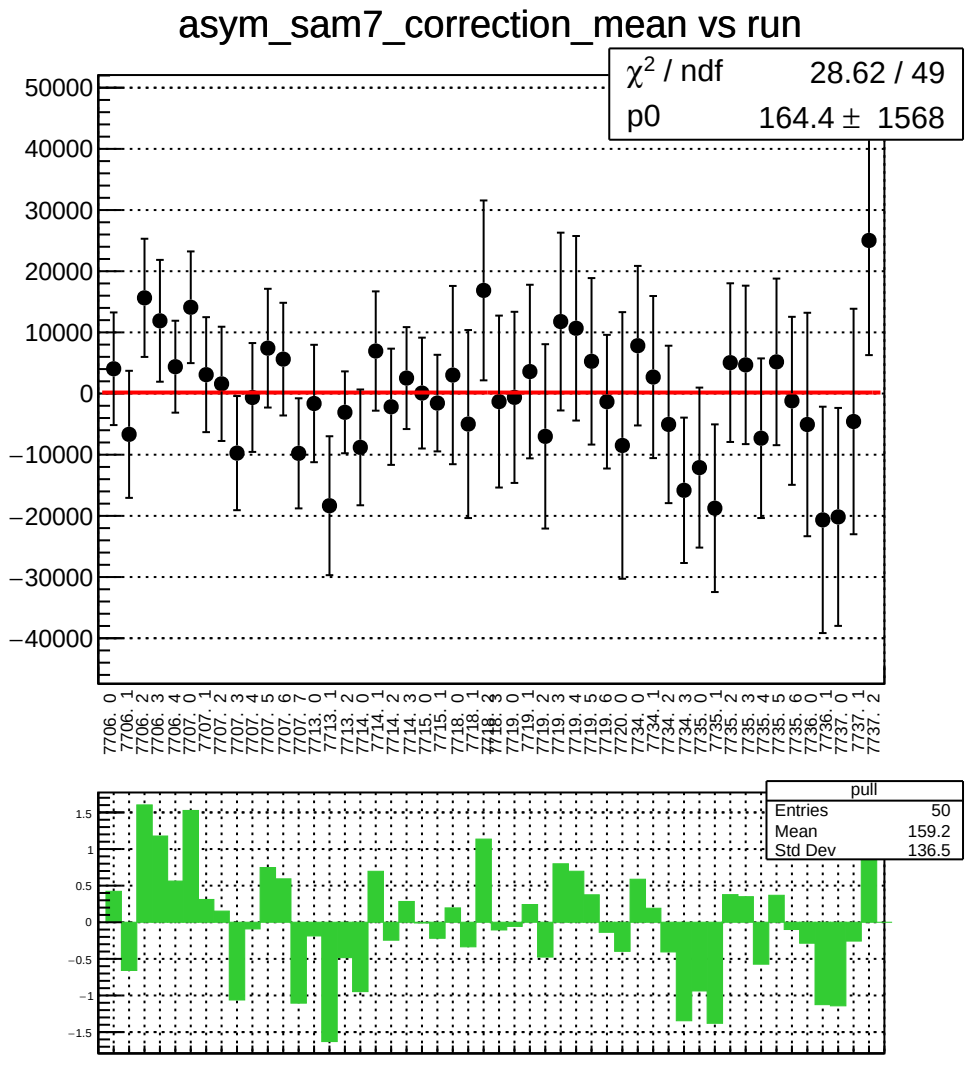

asym_sam6_correction_rms vs run
χ² / ndf 5.095e+04 / 49
p0 2033 ± 2.146
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

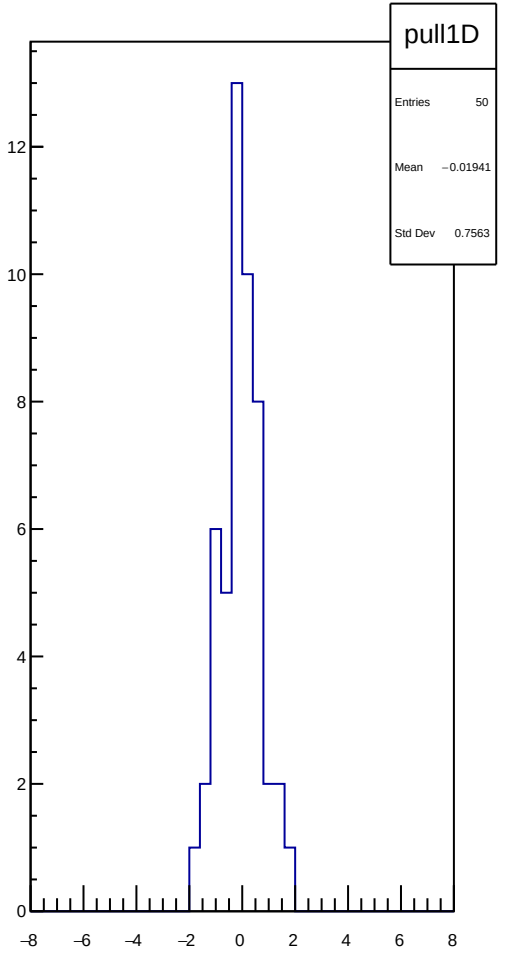

asym_sam6_mean vs run
×10^3
χ² / ndf 36.25 / 49
p0 −1515 ± 3082
80
60
40
20
0
−20
−40
−60
−80
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −25.34
Std Dev 45.57
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.034
Std Dev 0.8507
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

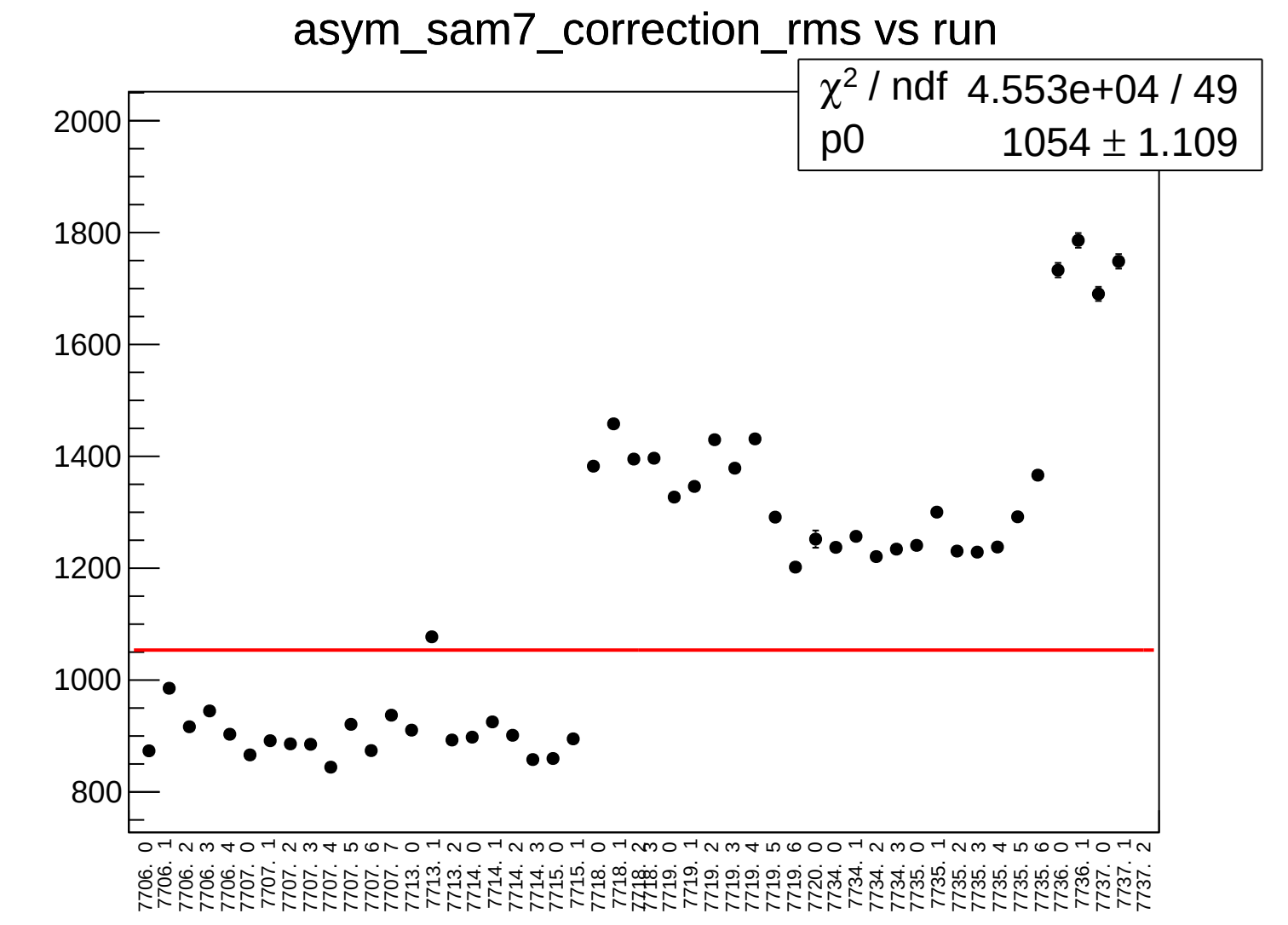

asym_sam6_rms vs run
χ² / ndf 4.932e+04 / 49
p0 2067 ± 2.18
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

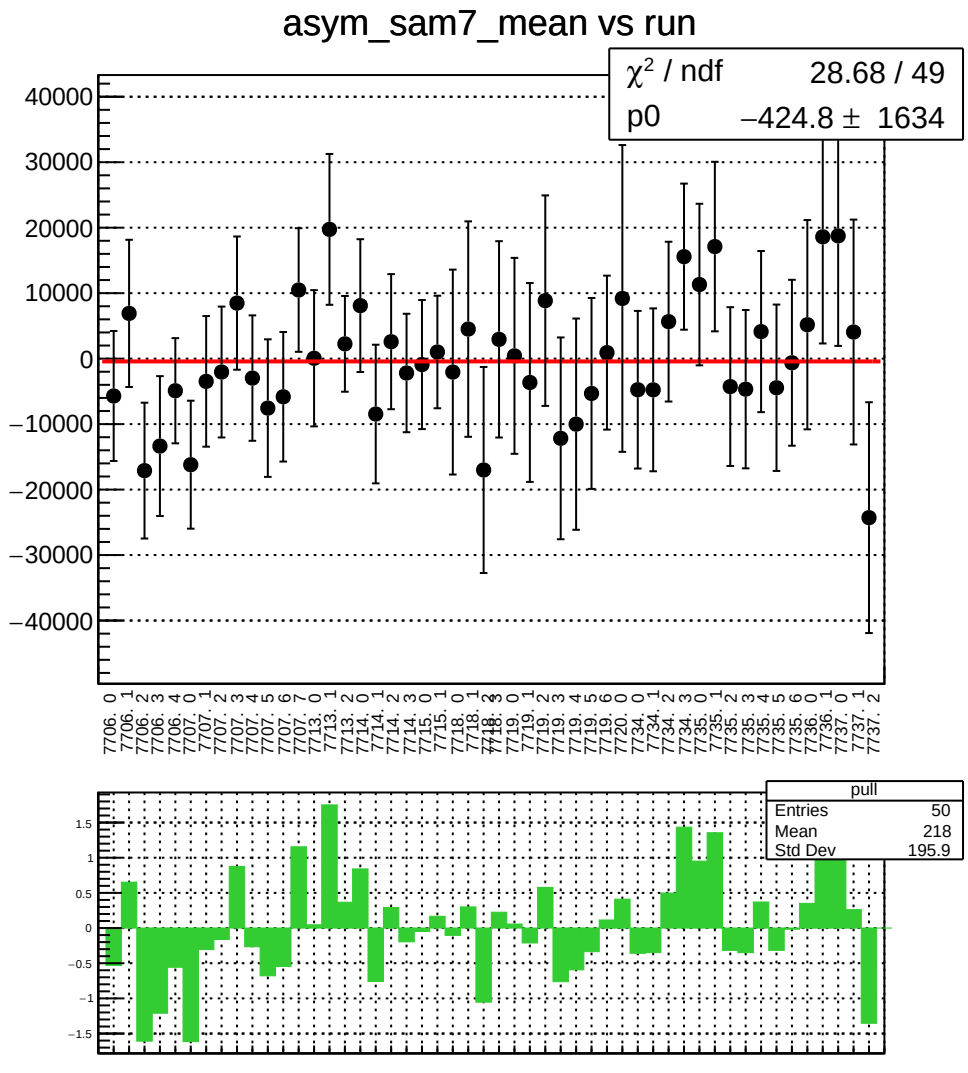

dit_asym_sam7_mean vs run
χ² / ndf 33.27 / 49
p0 −427.9 ± 207.2
4000
2000
0
−2000
−4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 169.9
Std Dev 157.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean 0.01279
Std Dev 0.8156
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

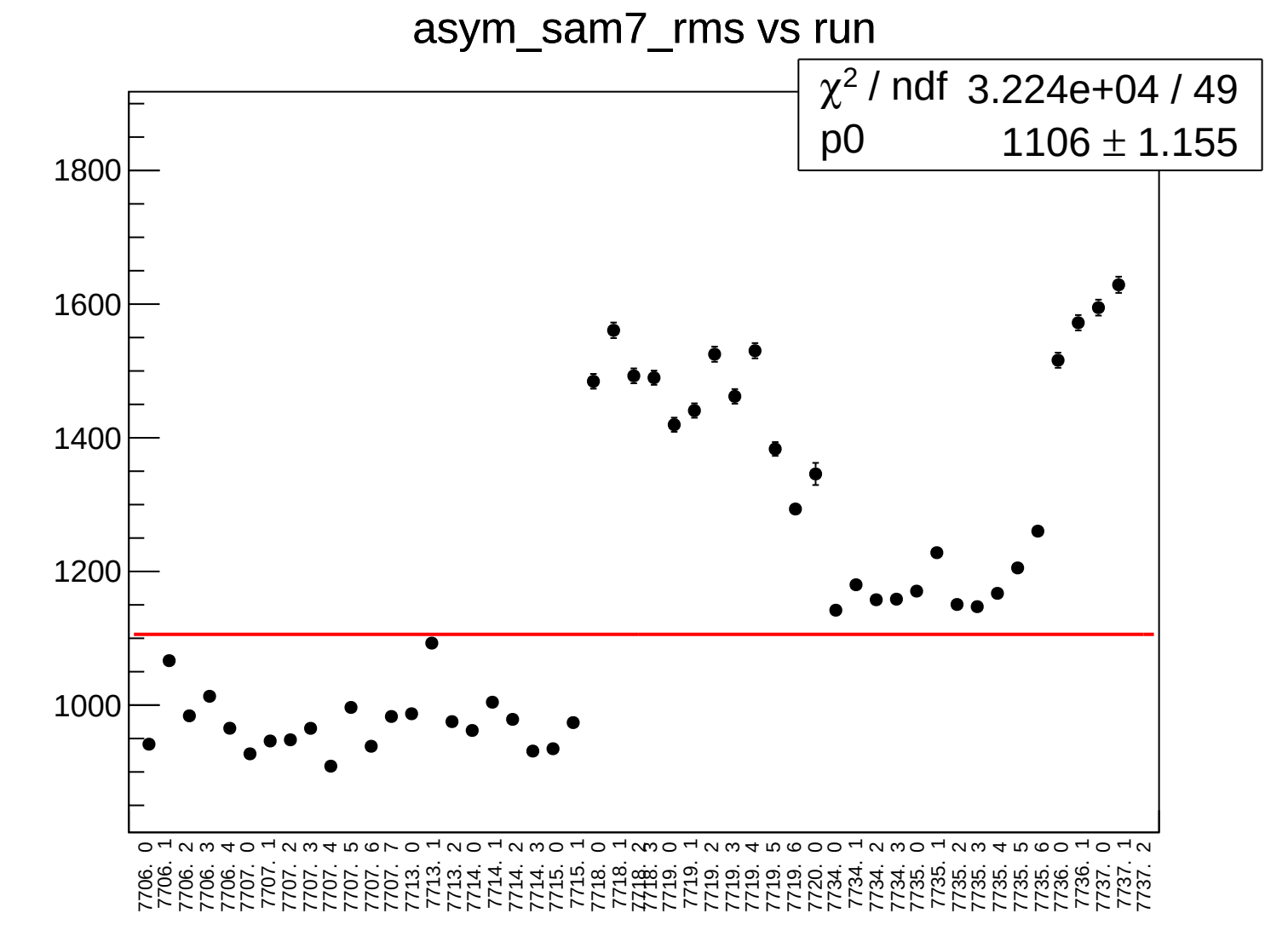

dit_asym_sam7_rms vs run
χ² / ndf 1.48e+04 / 49
p0 141.6 ± 0.1465
280
260
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

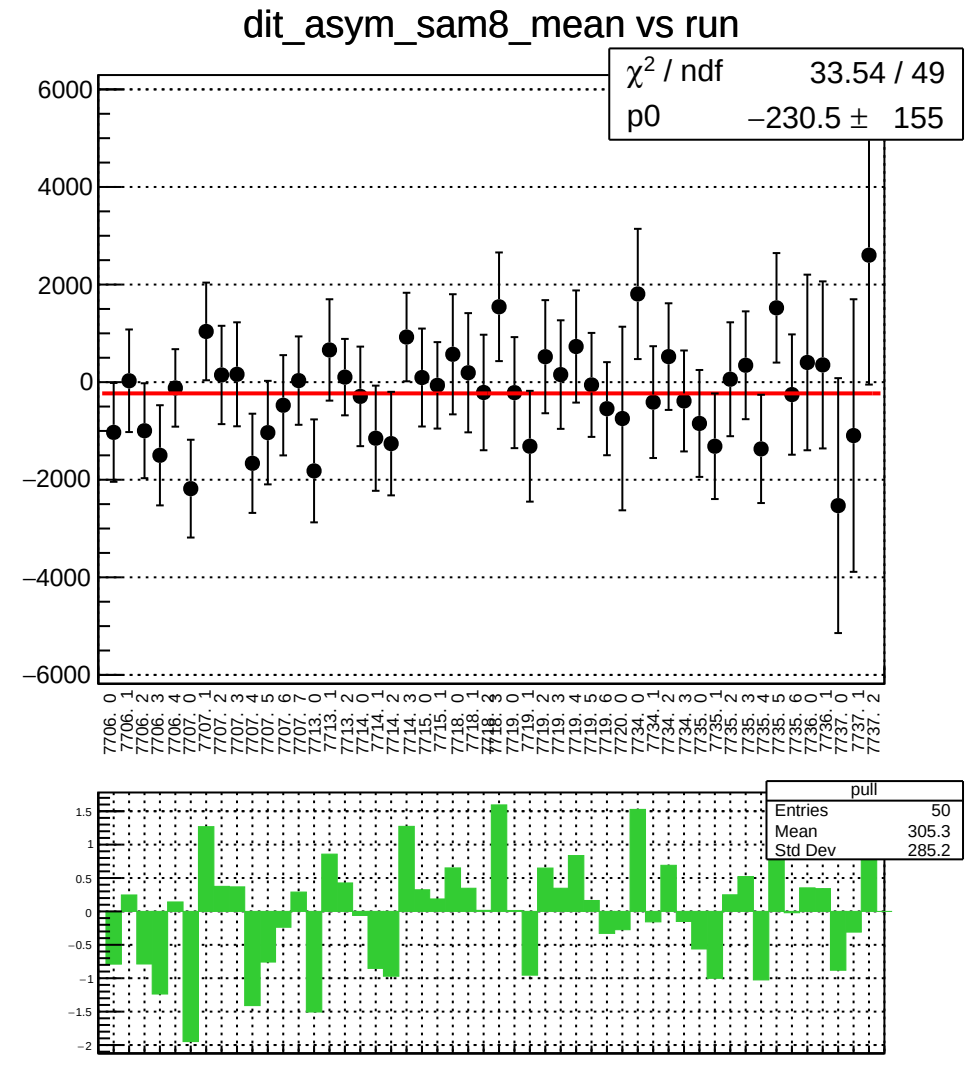

asym_sam7_correction_mean vs run
χ² / ndf 28.62 / 49
p0 164.4 ± 1568
pull
Entries 50
Mean 159.2
Std Dev 136.5

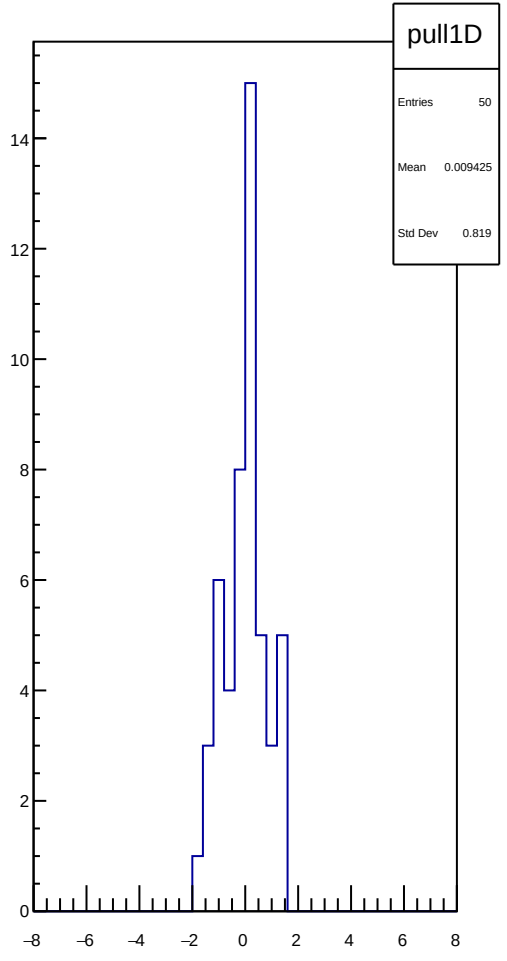

pull1D
Entries 50
Mean −0.01941
Std Dev 0.7563

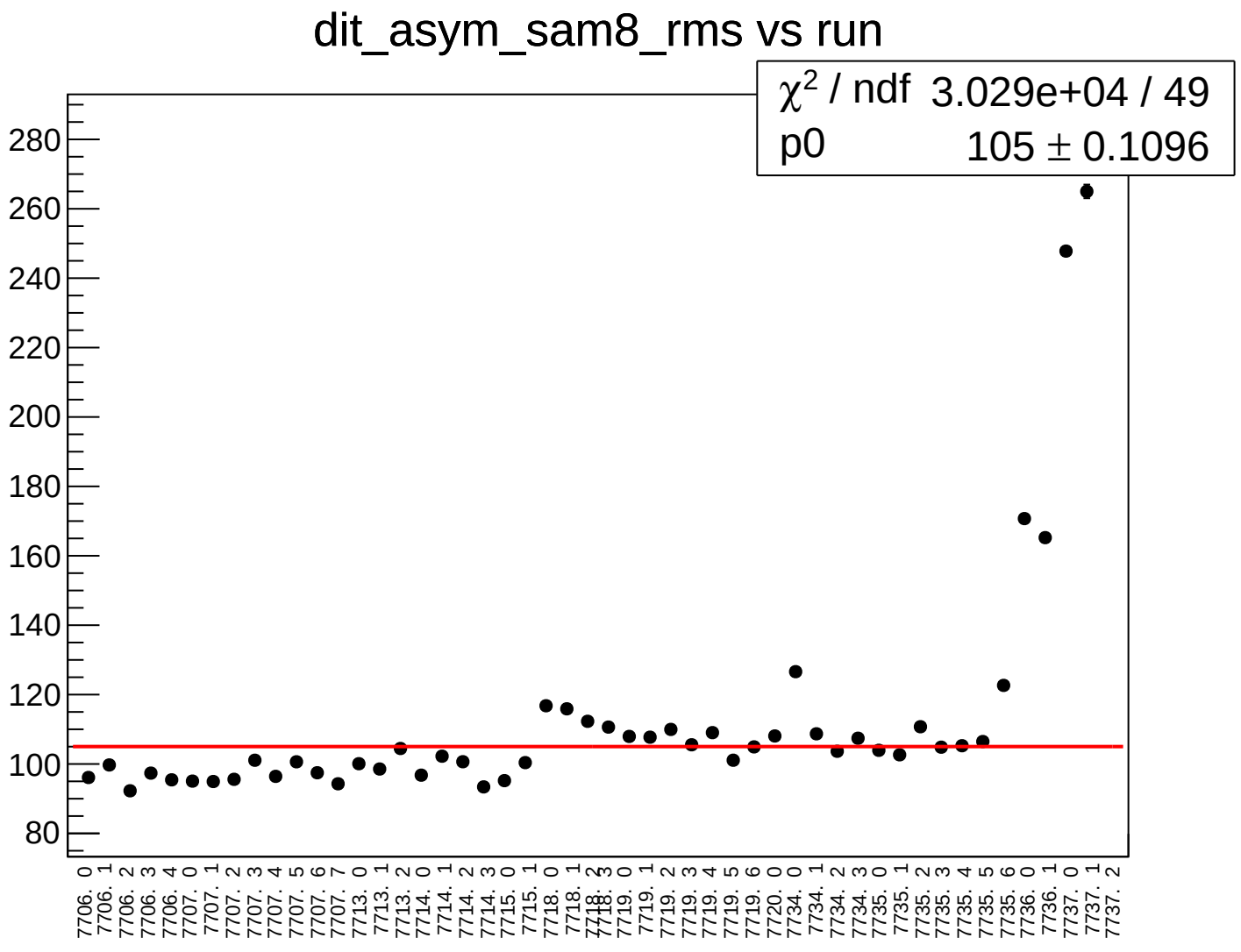

asym_sam7_correction_rms vs run
χ² / ndf 4.553e+04 / 49
p0 1054 ± 1.109
2000
1800
1600
1400
1200
1000
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

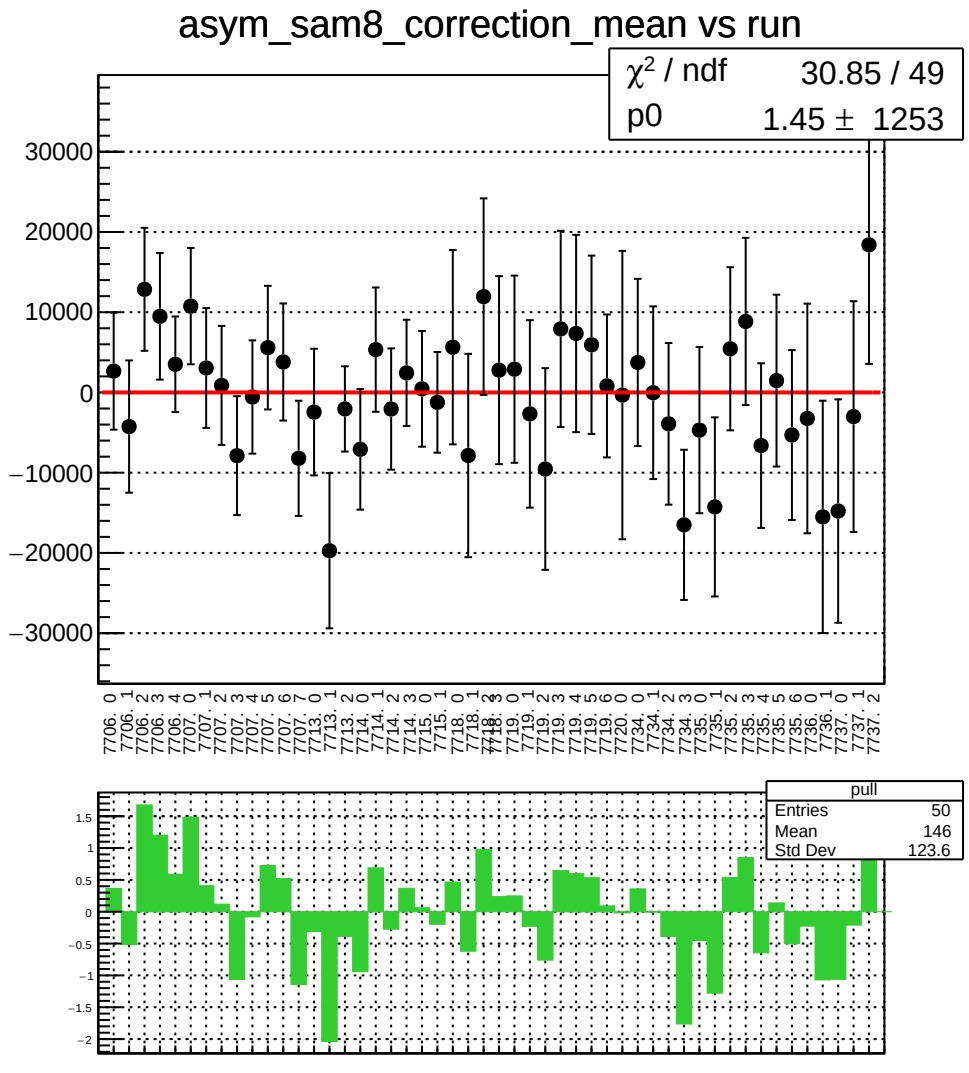

asym_sam7_mean vs run
χ² / ndf 28.68 / 49
p0 −424.8 ± 1634
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 218
Std Dev 195.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01511
Std Dev 0.7572
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

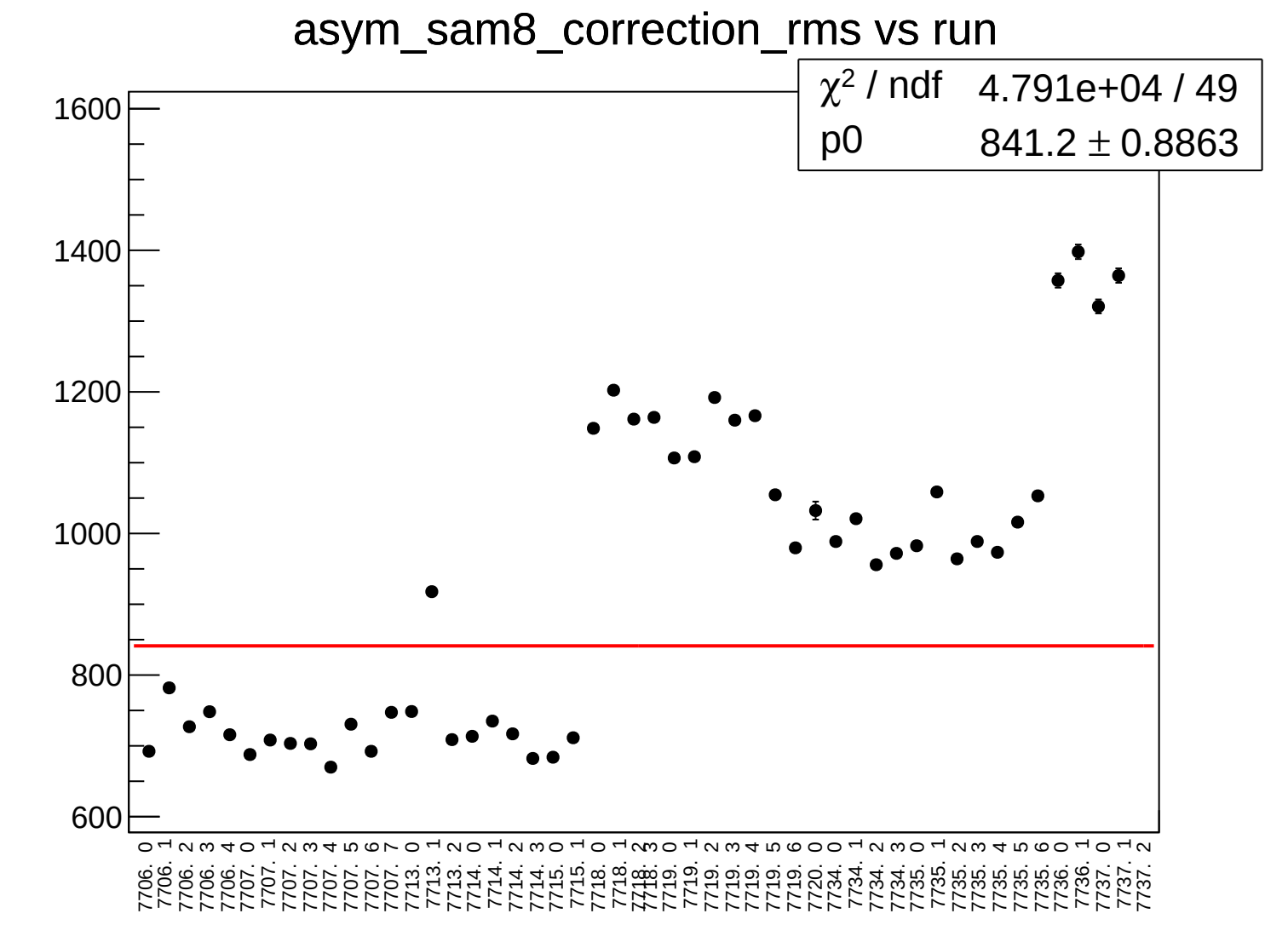

asym_sam7_rms vs run
χ² / ndf 3.224e+04 / 49
p0 1106 ± 1.155
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

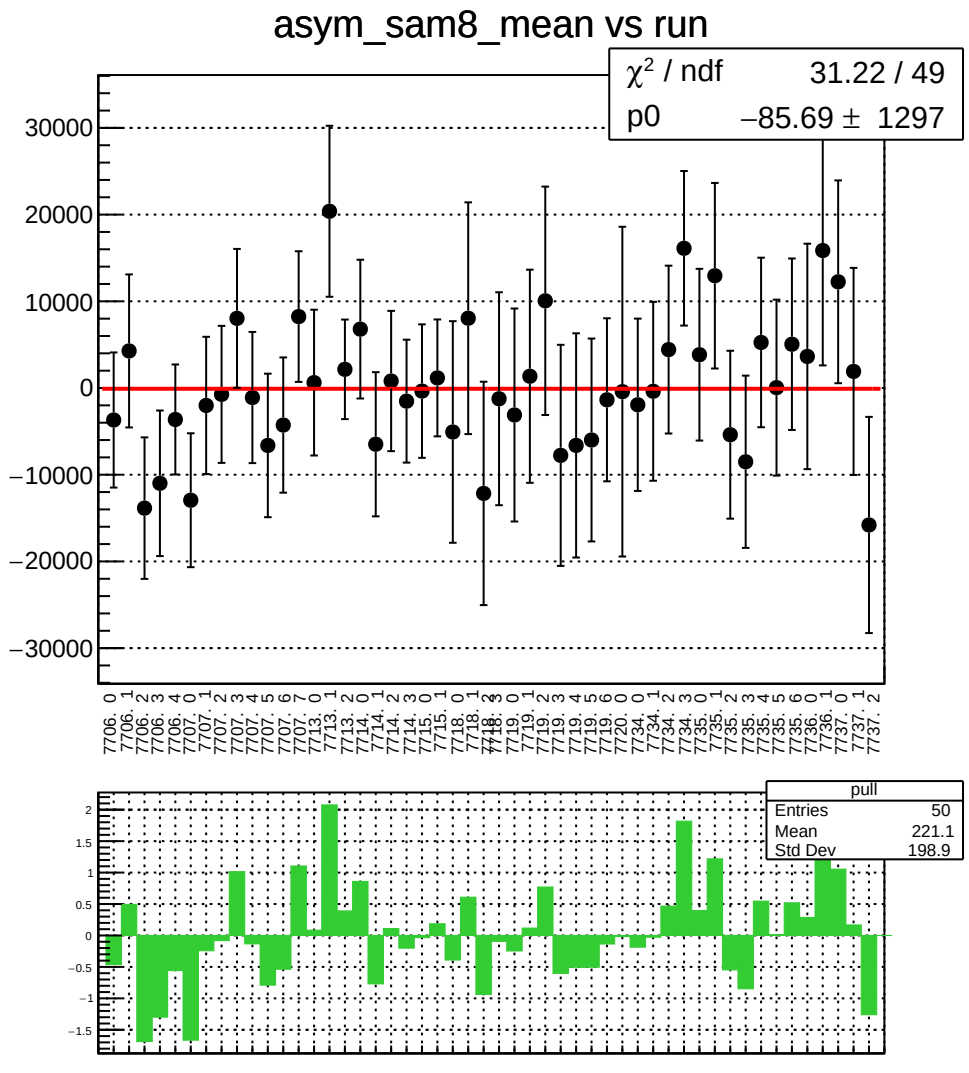

dit_asym_sam8_mean vs run
χ² / ndf 33.54 / 49
p0 −230.5 ± 155
pull
Entries 50
Mean 305.3
Std Dev 285.2

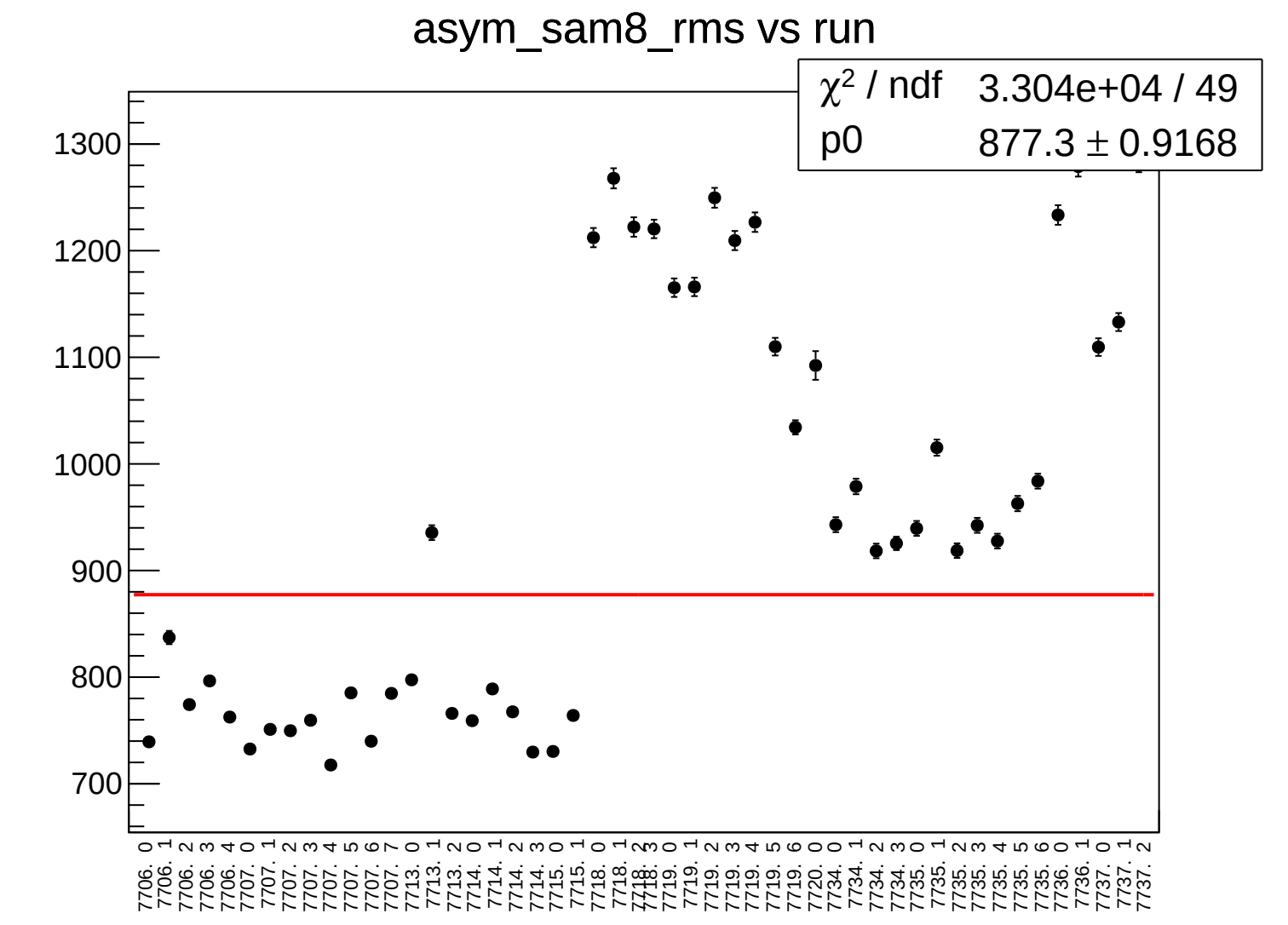

pull1D
Entries 50
Mean 0.009425
Std Dev 0.819

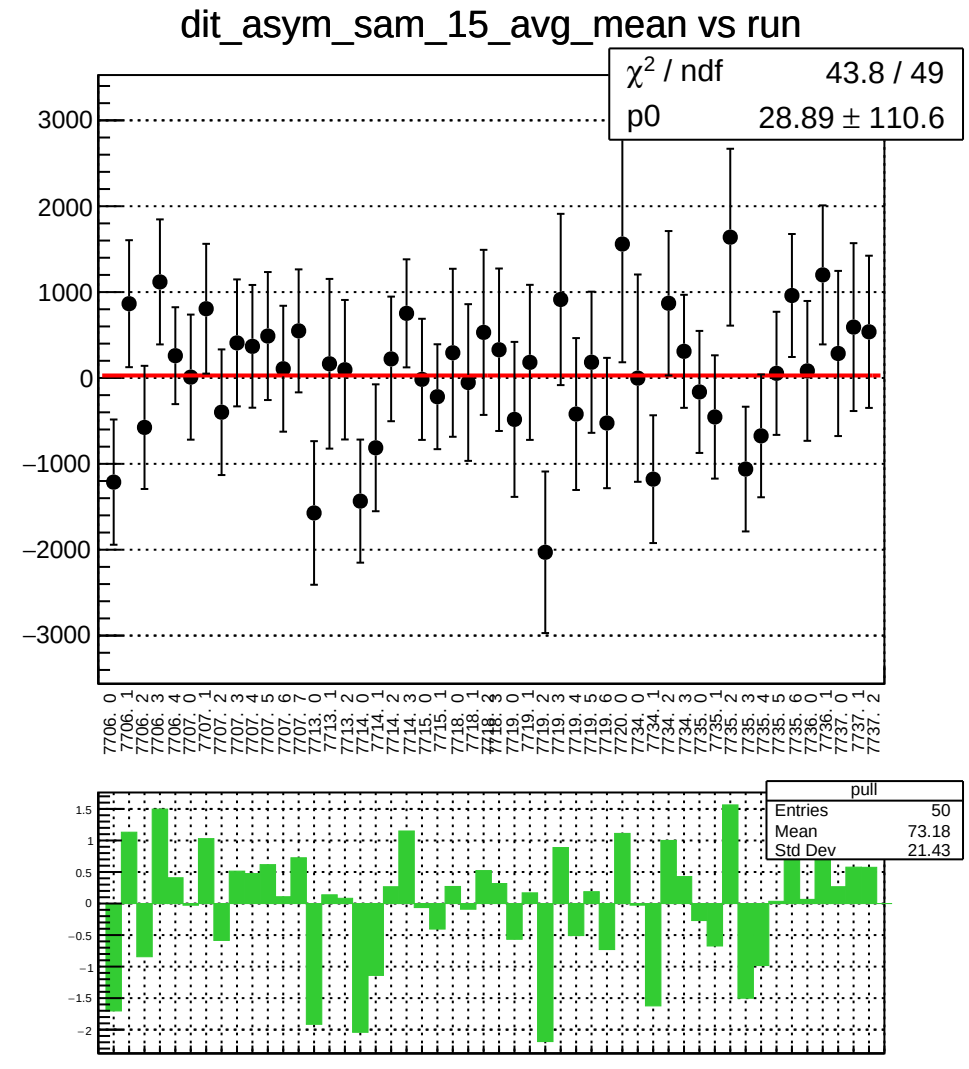

dit_asym_sam8_rms vs run
χ^2 / ndf 3.029e+04 / 49
p0 105 ± 0.1096
280
260
240
220
200
180
160
140
120
100
80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

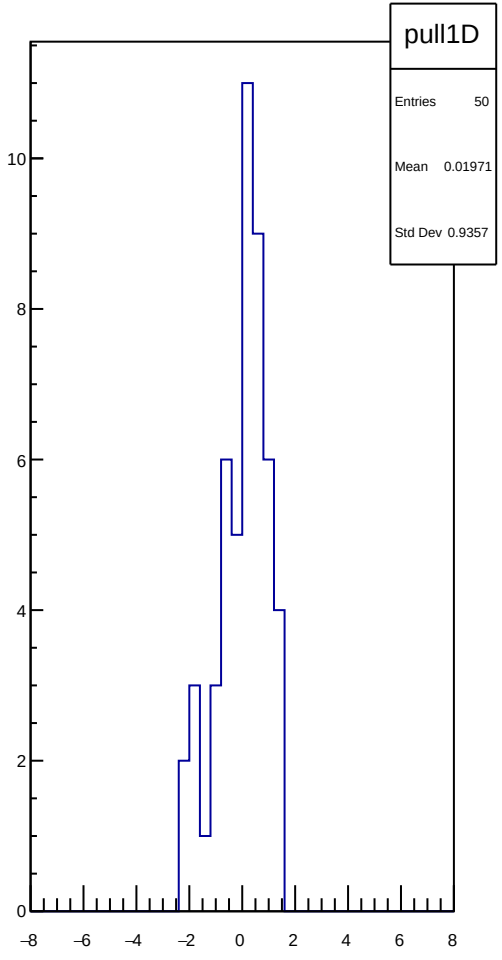

asym_sam8_correction_mean vs run
χ² / ndf 30.85 / 49
p0 1.45 ± 1253
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 146
Std Dev 123.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.02102
Std Dev 0.7852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

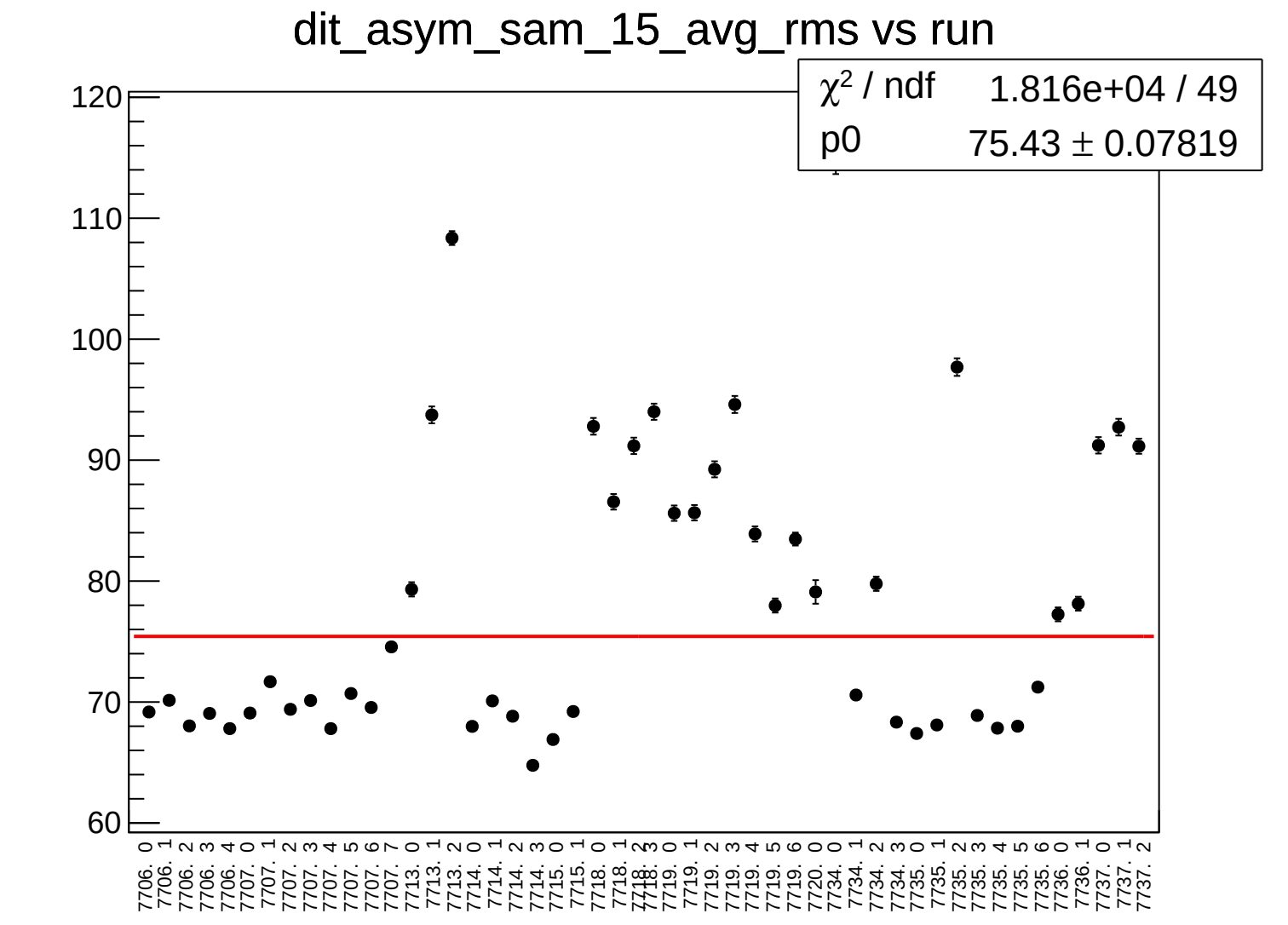

asym_sam8_correction_rms vs run
χ² / ndf 4.791e+04 / 49
p0 841.2 ± 0.8863
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

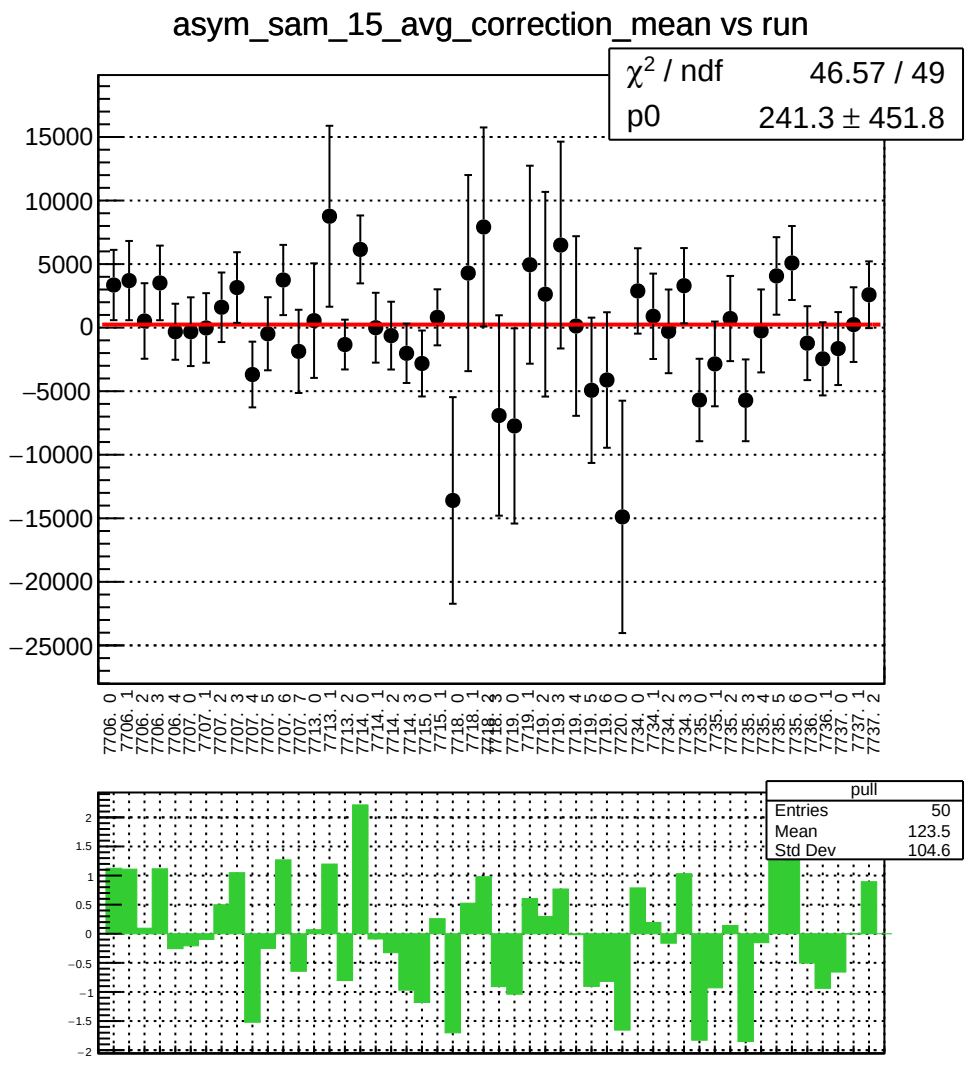

asym_sam8_mean vs run
χ² / ndf 31.22 / 49
p0 −85.69 ± 1297
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 221.1
Std Dev 198.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01486
Std Dev 0.79
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

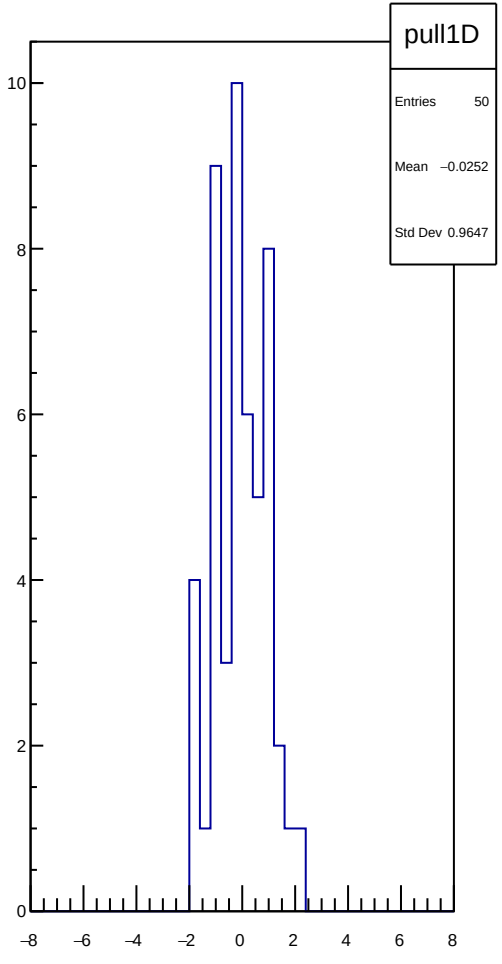

asym_sam8_rms vs run
χ² / ndf 3.304e+04 / 49
p0 877.3 ± 0.9168
1300
1200
1100
1000
900
800
700
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17707. 7
17713. 0
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17718. 3
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17720. 0
17734. 0
17734. 1
17734. 2
17734. 3
17735. 0
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

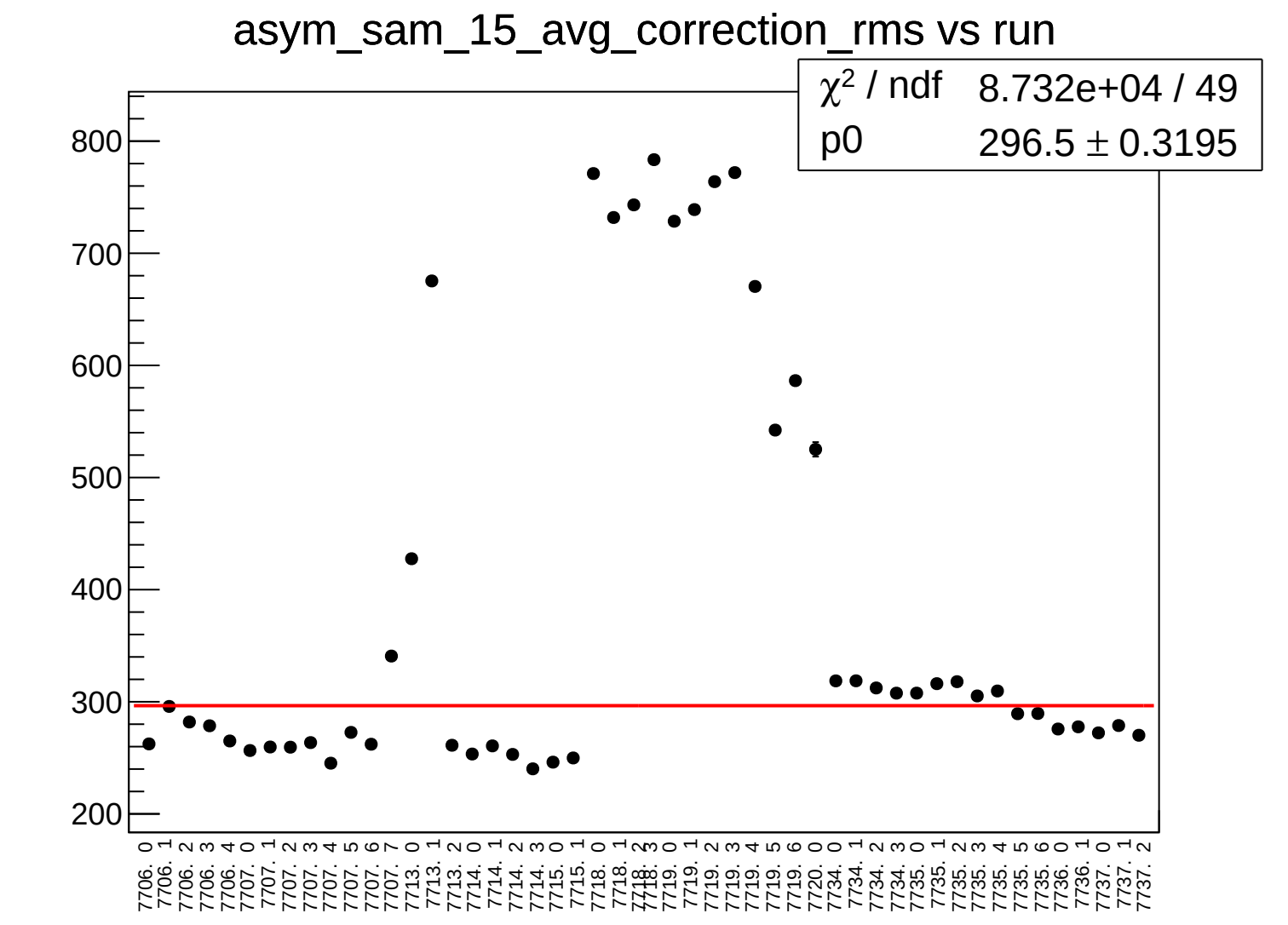

dit_asym_sam_15_avg_mean vs run
χ² / ndf 43.8 / 49
p0 28.89 ± 110.6
3000
2000
1000
0
−1000
−2000
−3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 73.18
Std Dev 21.43
1.5
1
0.5
0
−0.5
−1
−1.5
−2

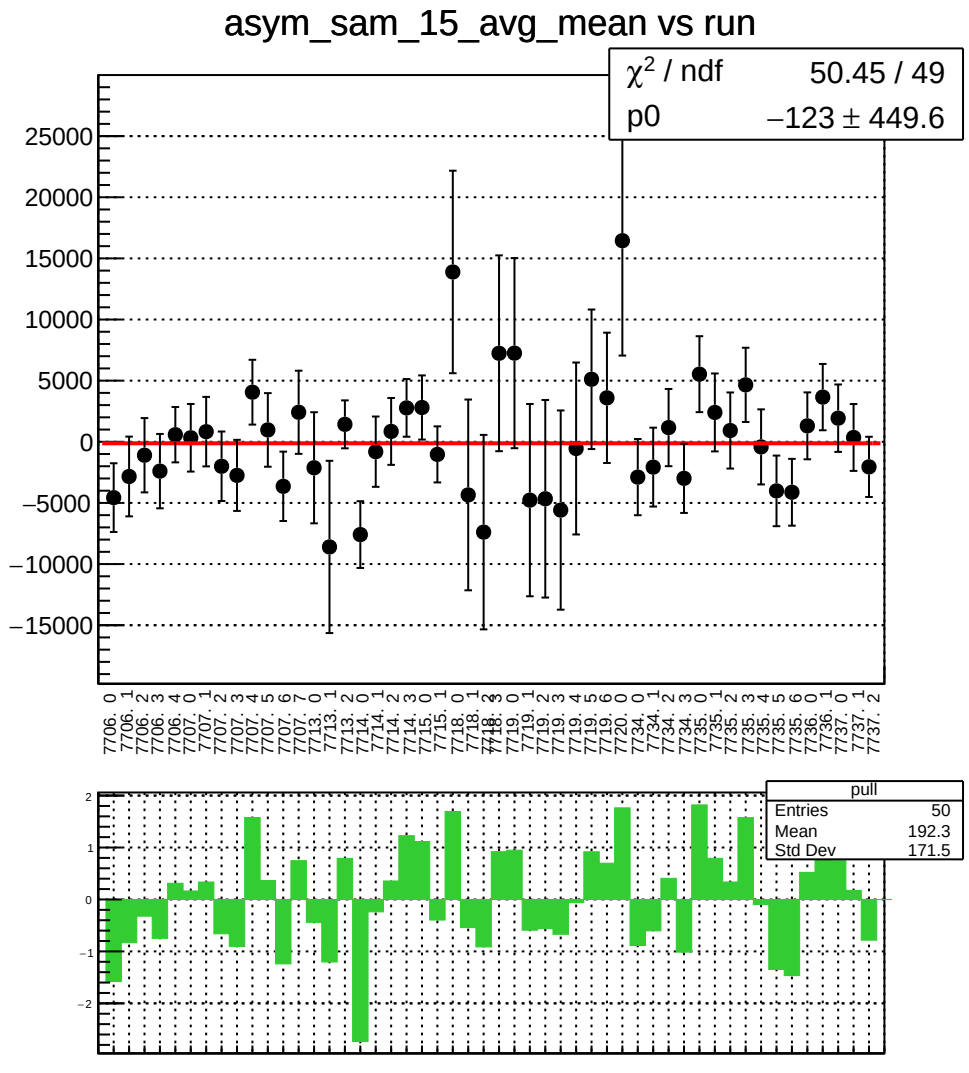

pull1D
Entries 50
Mean 0.01971
Std Dev 0.9357
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

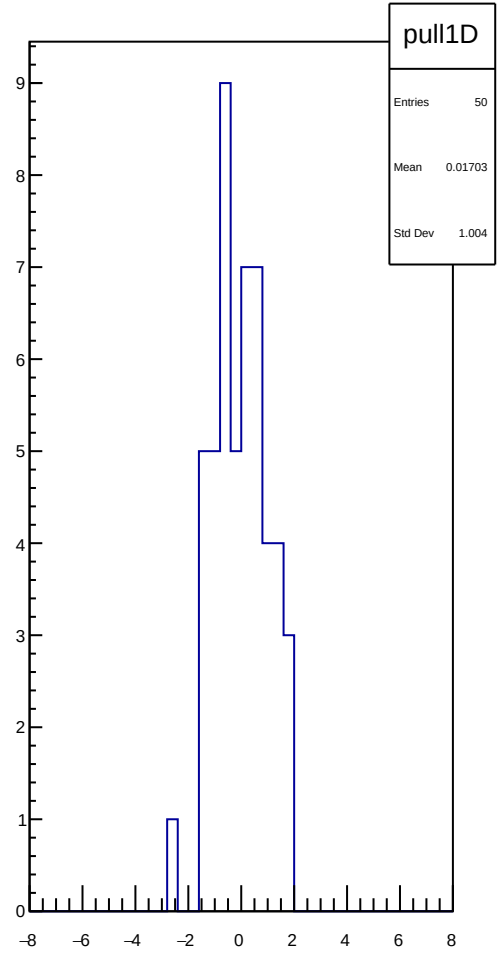

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.816e+04 / 49
p0 75.43 ± 0.07819
120
110
100
90
80
70
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

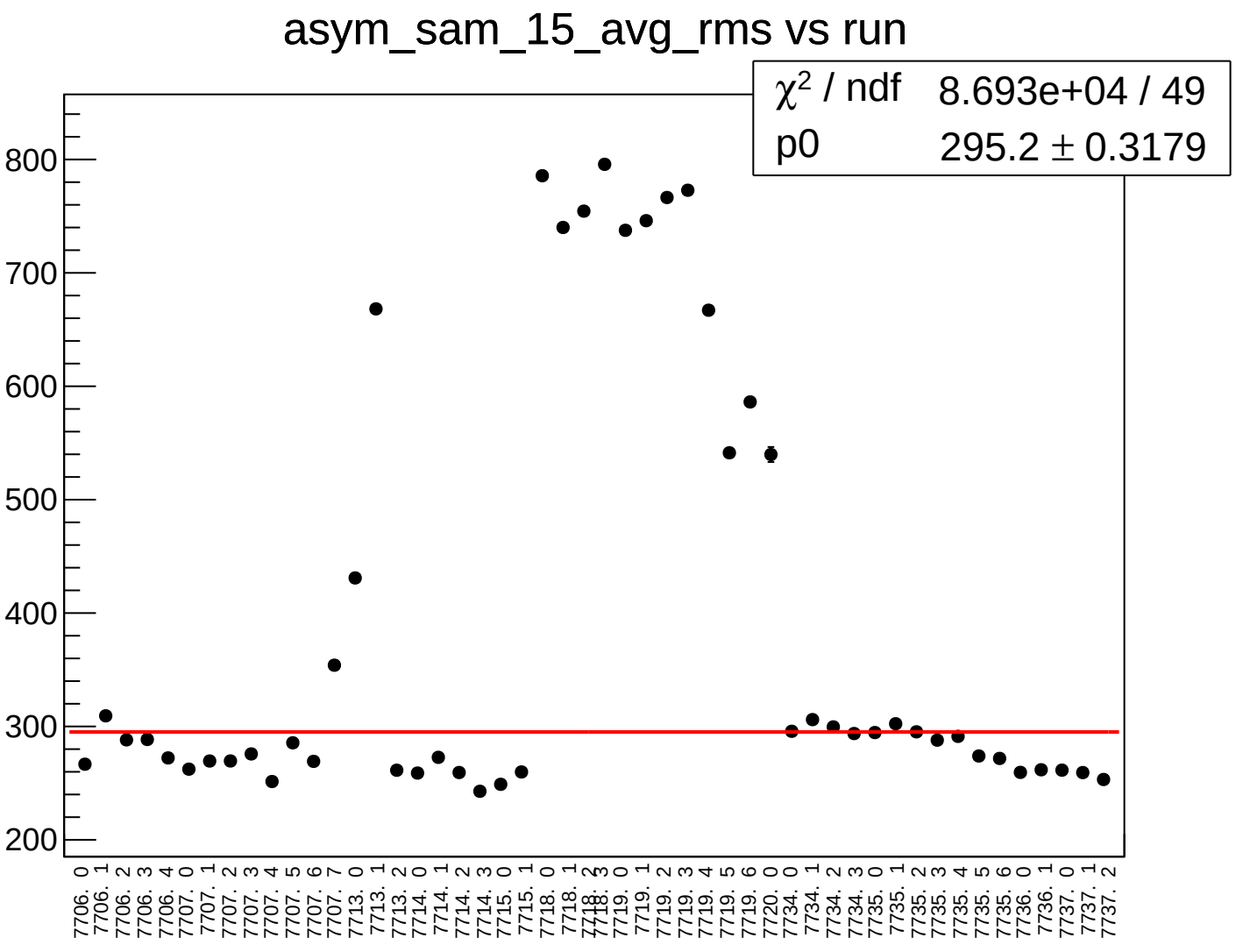

asym_sam_15_avg_correction_mean vs run
χ² / ndf 46.57 / 49
p0 241.3 ± 451.8
pull
Entries 50
Mean 123.5
Std Dev 104.6

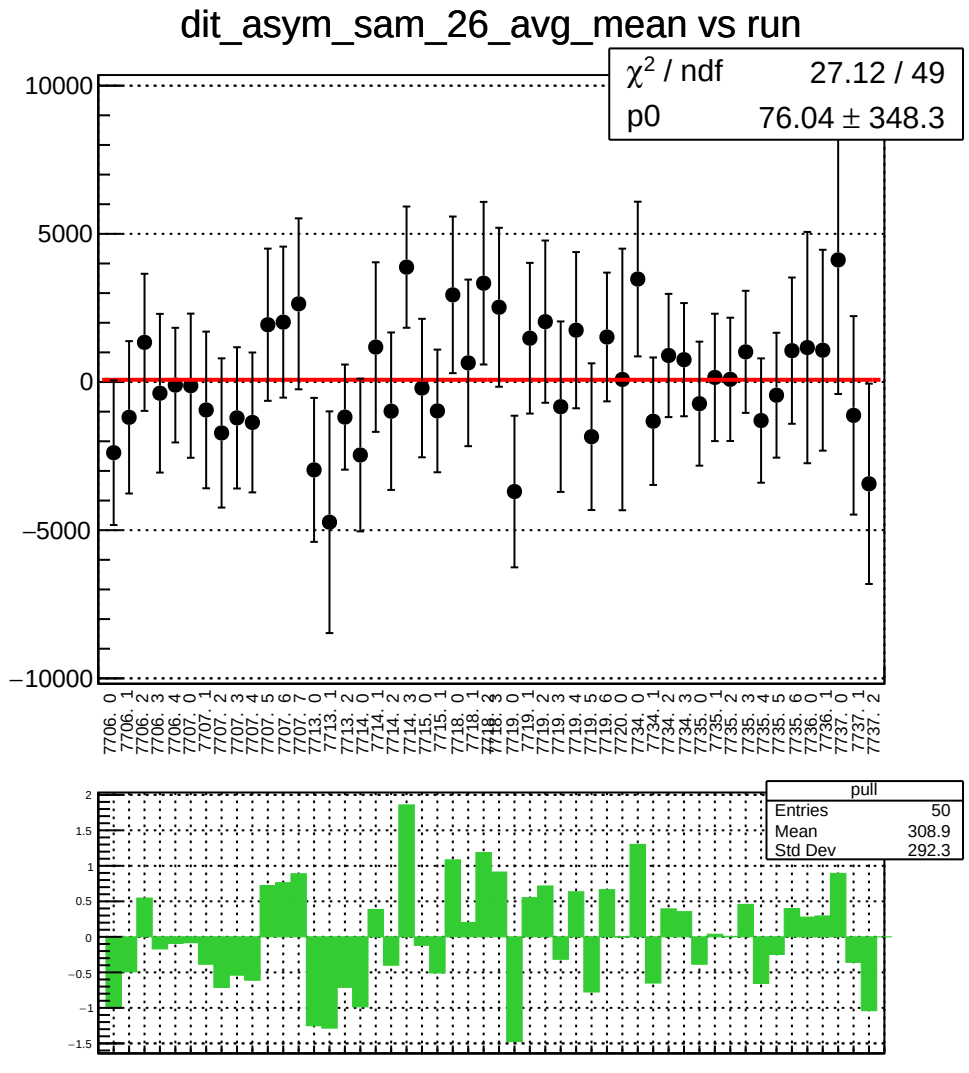

pull1D
Entries 50
Mean −0.0252
Std Dev 0.9647

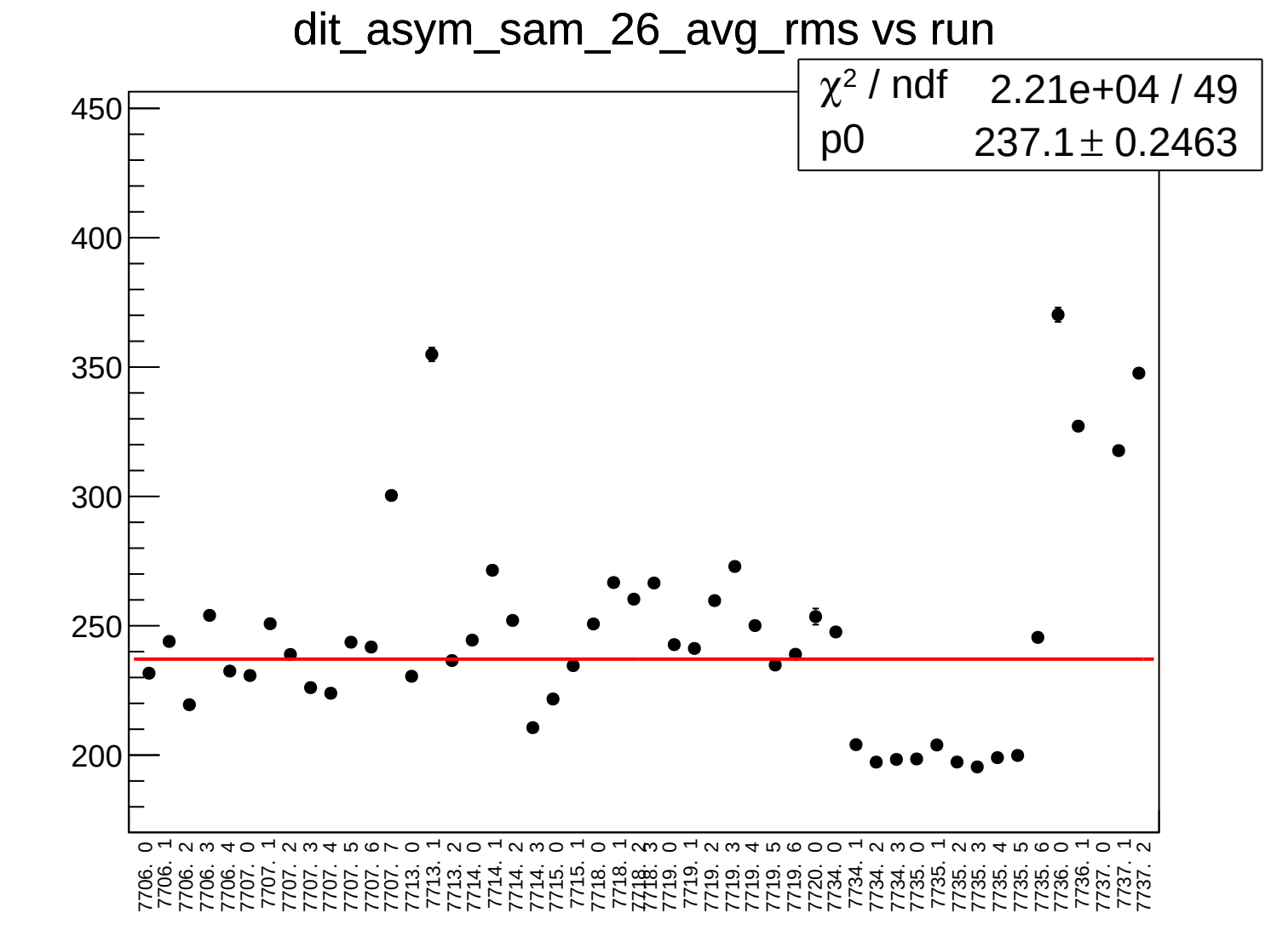

asym_sam_15_avg_correction_rms vs run
χ² / ndf 8.732e+04 / 49
p0 296.5 ± 0.3195
800
700
600
500
400
300
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

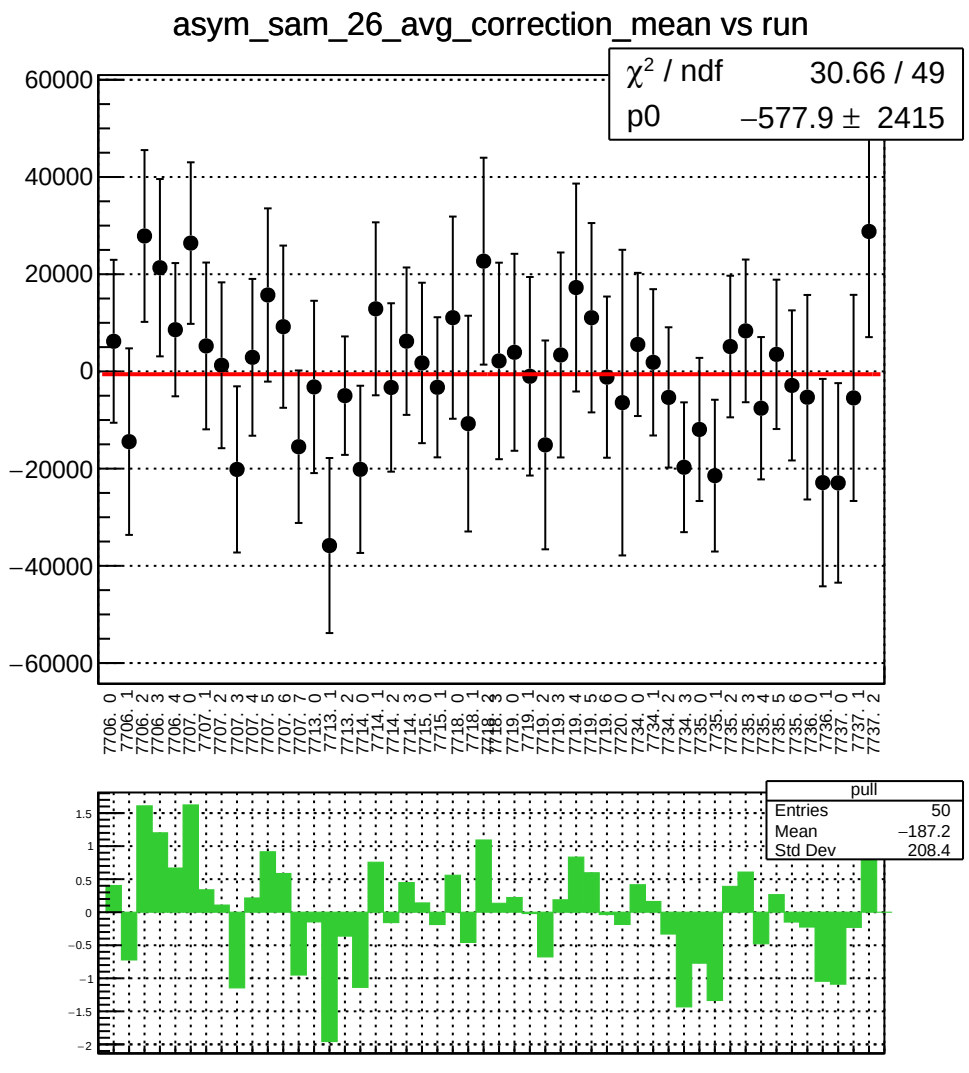

asym_sam_15_avg_mean vs run
χ² / ndf 50.45 / 49
p0 −123 ± 449.6
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 192.3
Std Dev 171.5
2
1
0
−1
−2

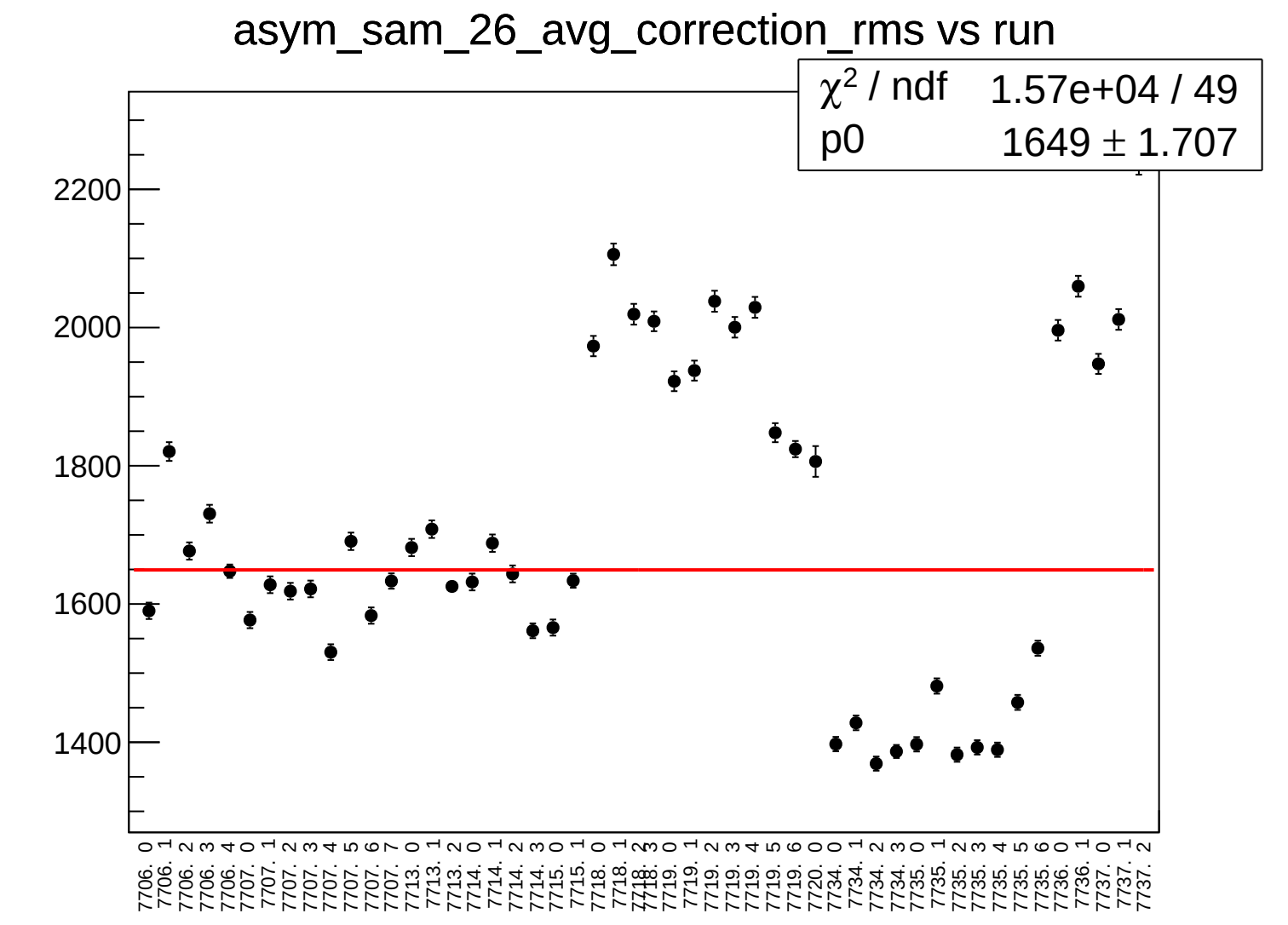

pull1D
Entries 50
Mean 0.01703
Std Dev 1.004
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

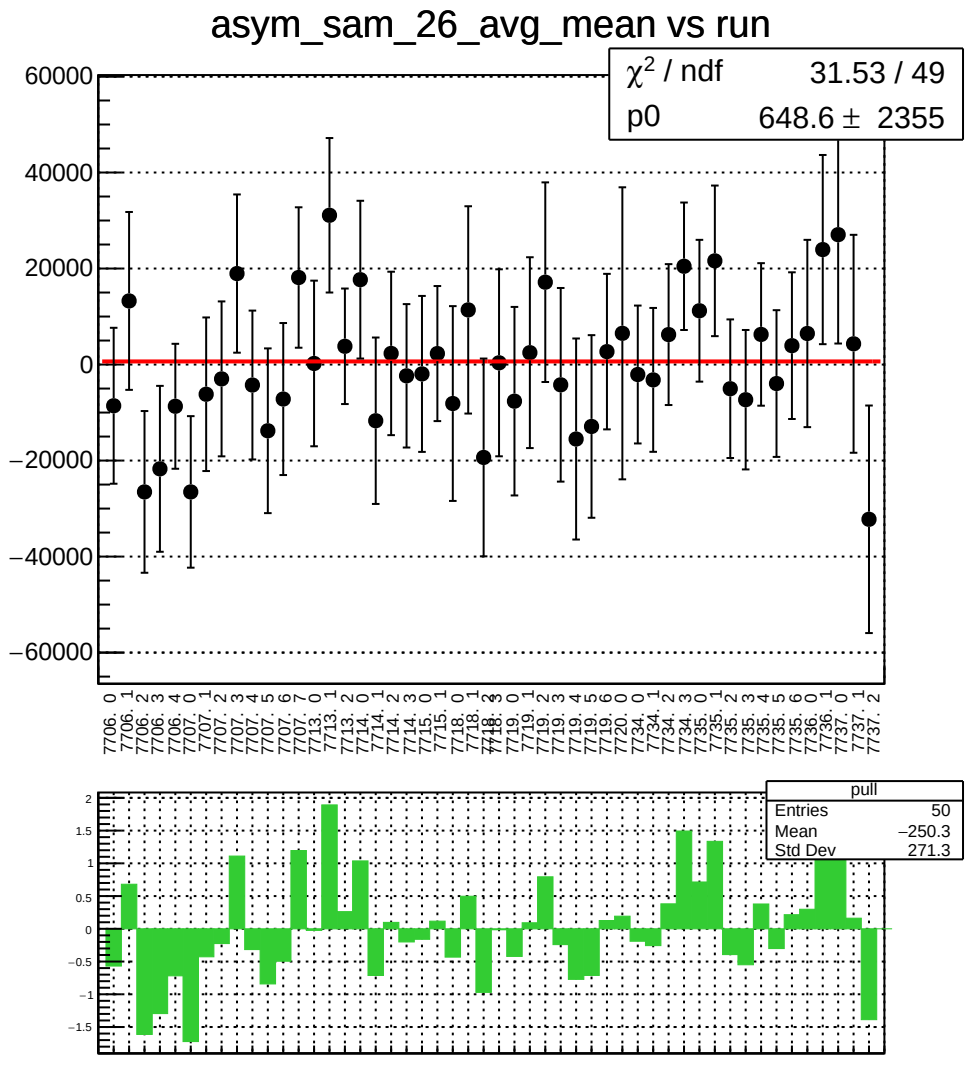

asym_sam_15_avg_rms vs run
χ² / ndf 8.693e+04 / 49
p0 295.2 ± 0.3179
800
700
600
500
400
300
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

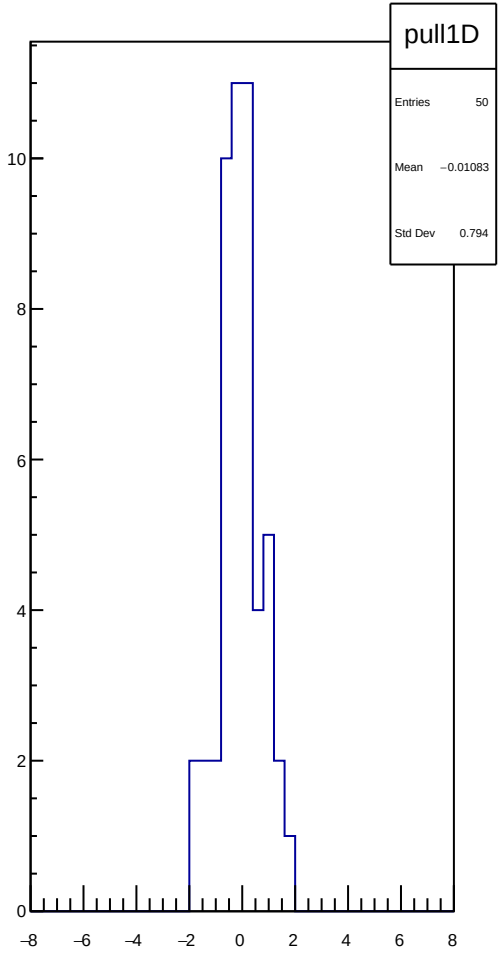

dit_asym_sam_26_avg_mean vs run
χ² / ndf 27.12 / 49
p0 76.04 ± 348.3
10000
5000
0
−5000
−10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 308.9
Std Dev 292.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.005638
Std Dev 0.7364
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

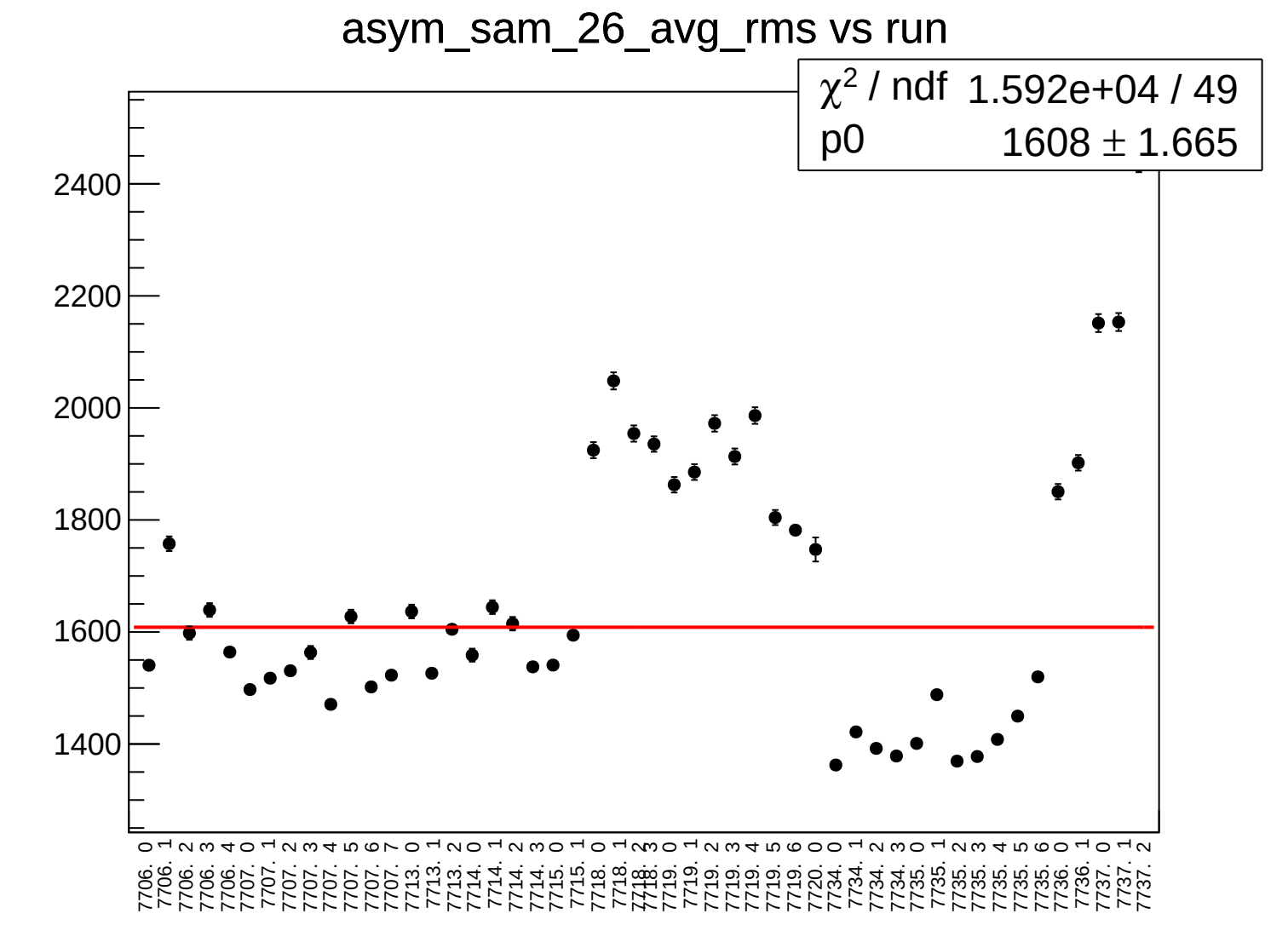

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.21e+04 / 49
p0 237.1 ± 0.2463
450
400
350
300
250
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

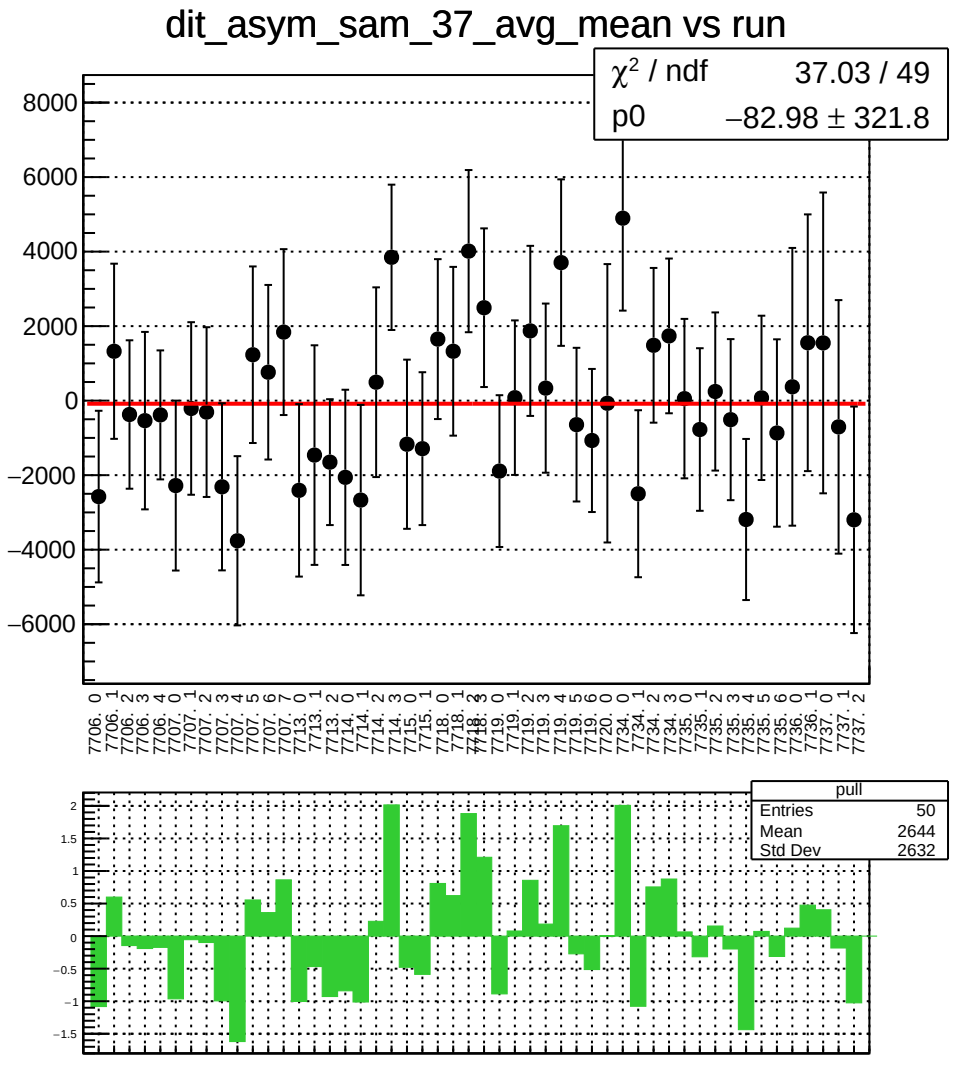

asym_sam_26_avg_correction_mean vs run
χ² / ndf 30.66 / 49
p0 −577.9 ± 2415
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −187.2
Std Dev 208.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01223
Std Dev 0.783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

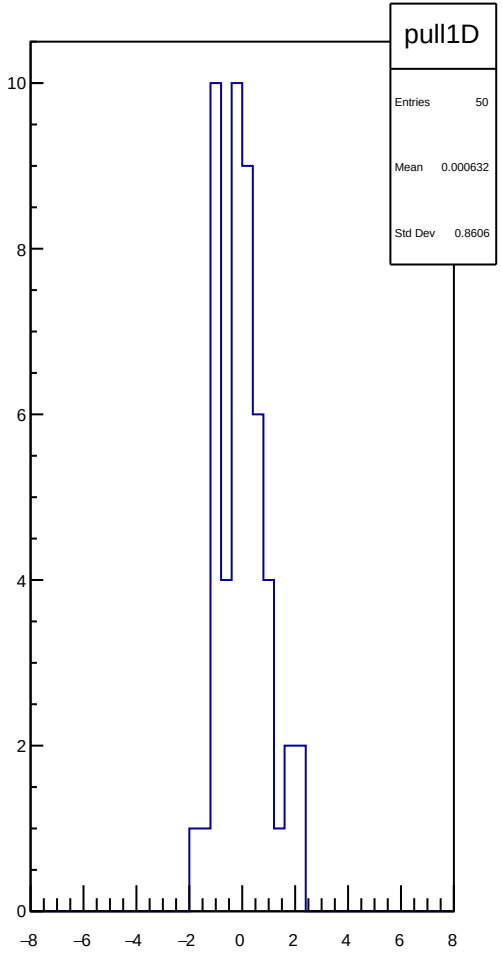

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1.57e+04 / 49
p0 1649 ± 1.707
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

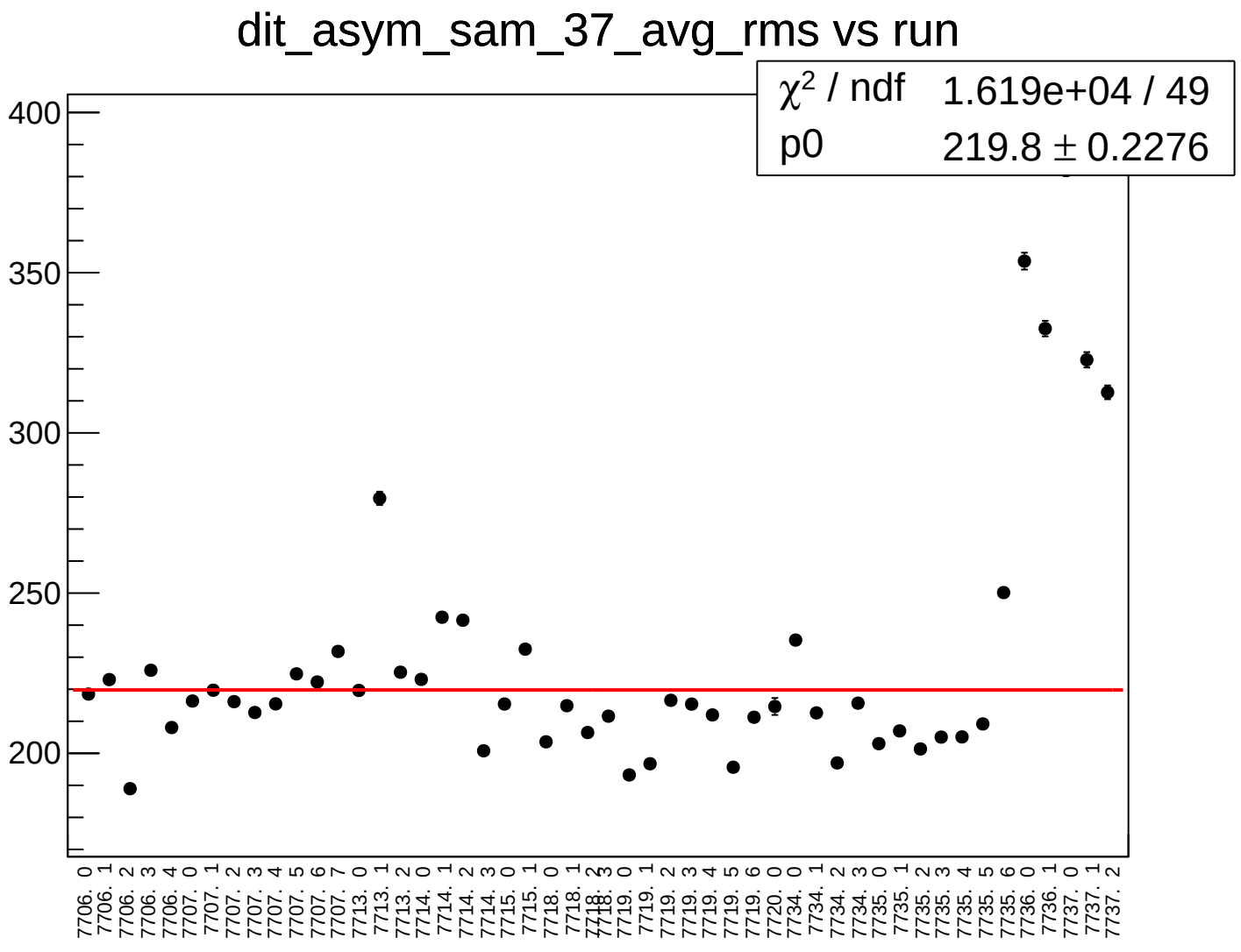

asym_sam_26_avg_mean vs run
χ² / ndf 31.53 / 49
p0 648.6 ± 2355
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −250.3
Std Dev 271.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

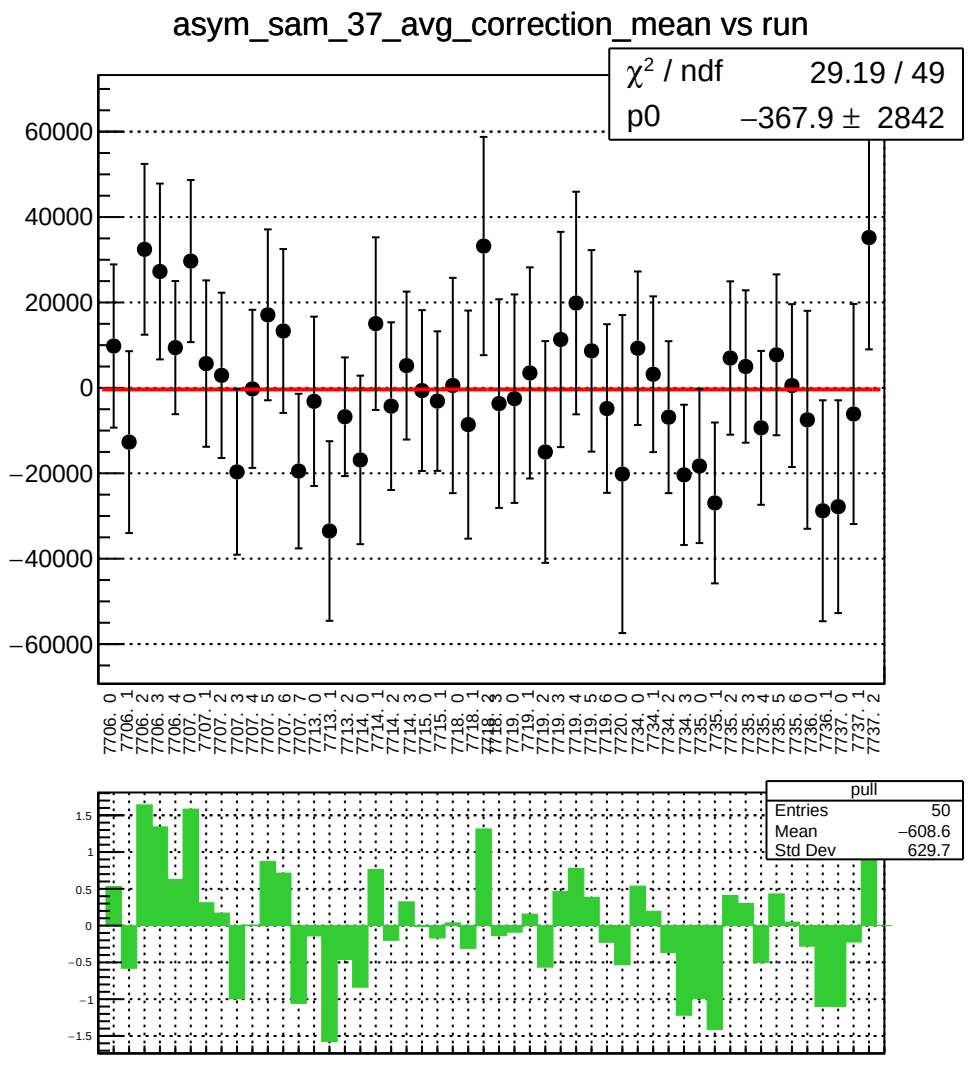

pull1D
Entries 50
Mean −0.01083
Std Dev 0.794
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

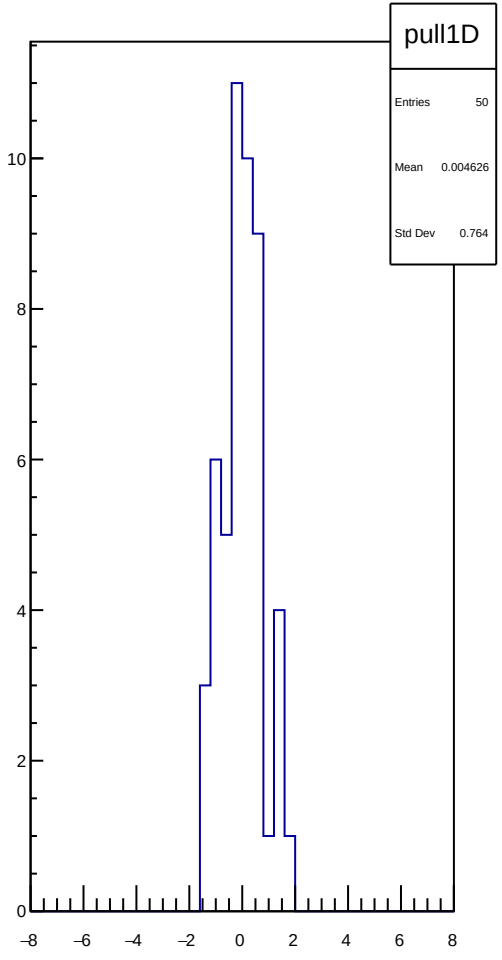

asym_sam_26_avg_rms vs run
χ² / ndf 1.592e+04 / 49
p0 1608 ± 1.665
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

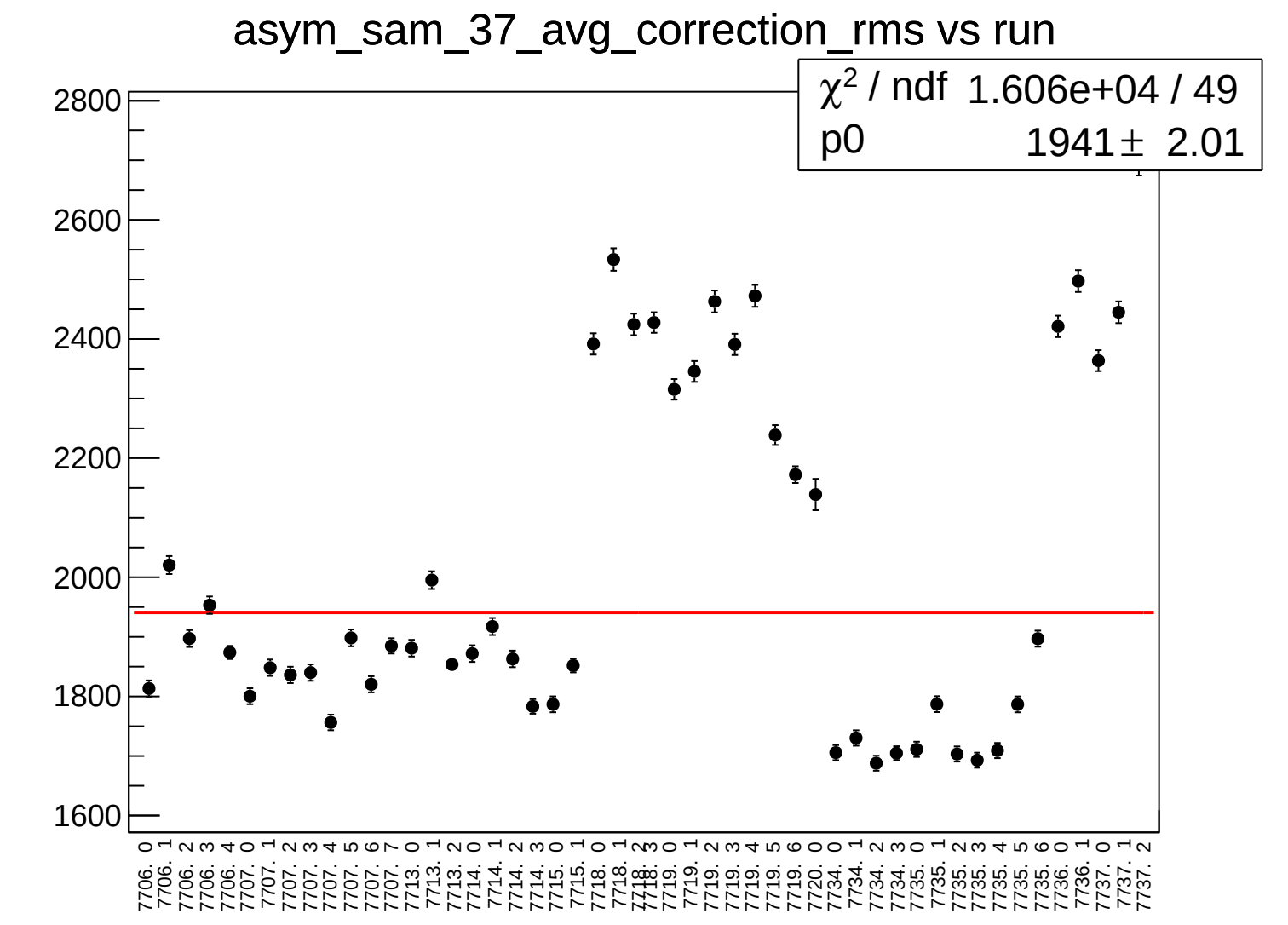

dit_asym_sam_37_avg_mean vs run
χ² / ndf 37.03 / 49
p0 −82.98 ± 321.8
8000
6000
4000
2000
0
−2000
−4000
−6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 2644
Std Dev 2632
2
1.5
1
0.5
0
−0.5
−1
−1.5

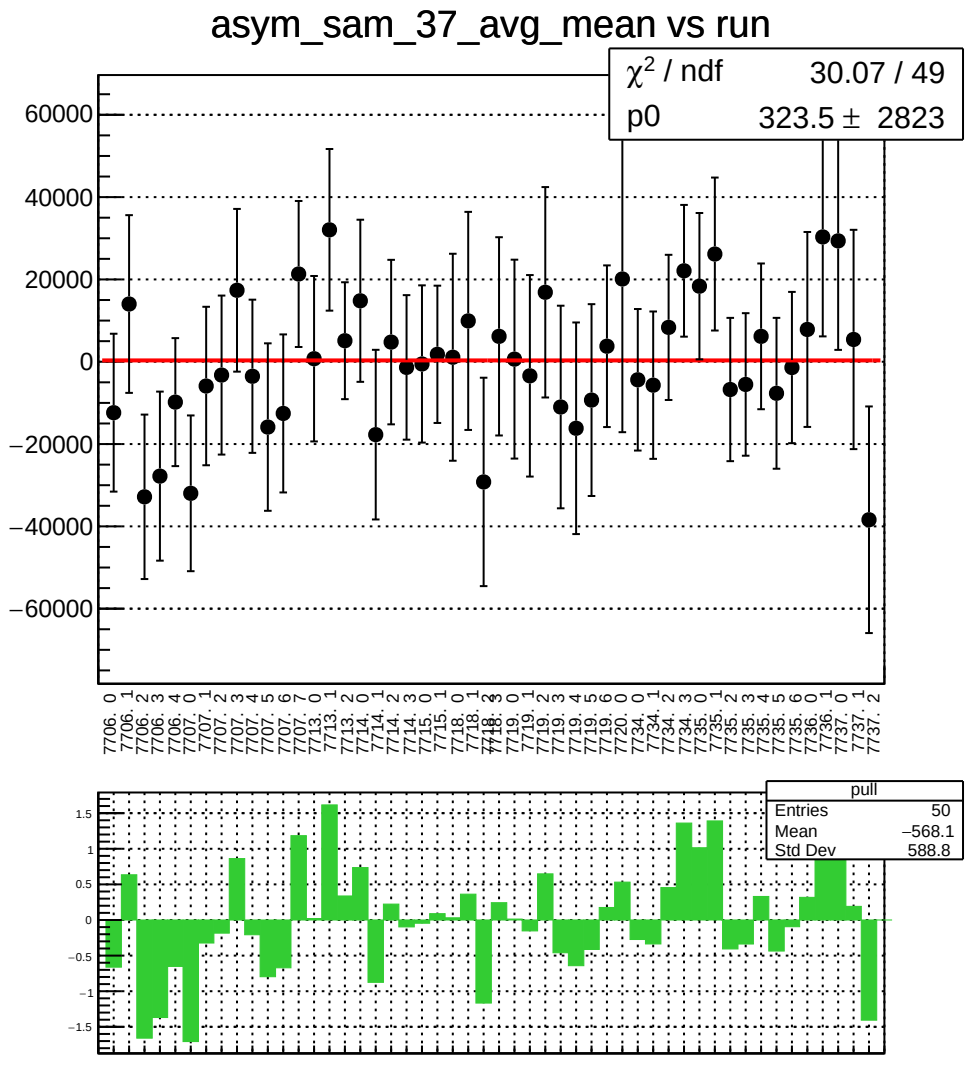

pull1D
Entries 50
Mean 0.000632
Std Dev 0.8606
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

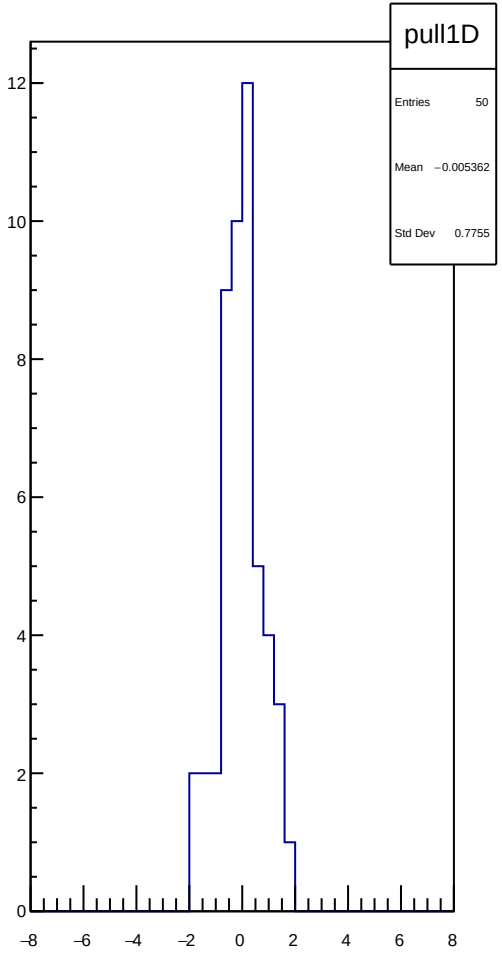

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.619e+04 / 49
p0 219.8 ± 0.2276
400
350
300
250
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

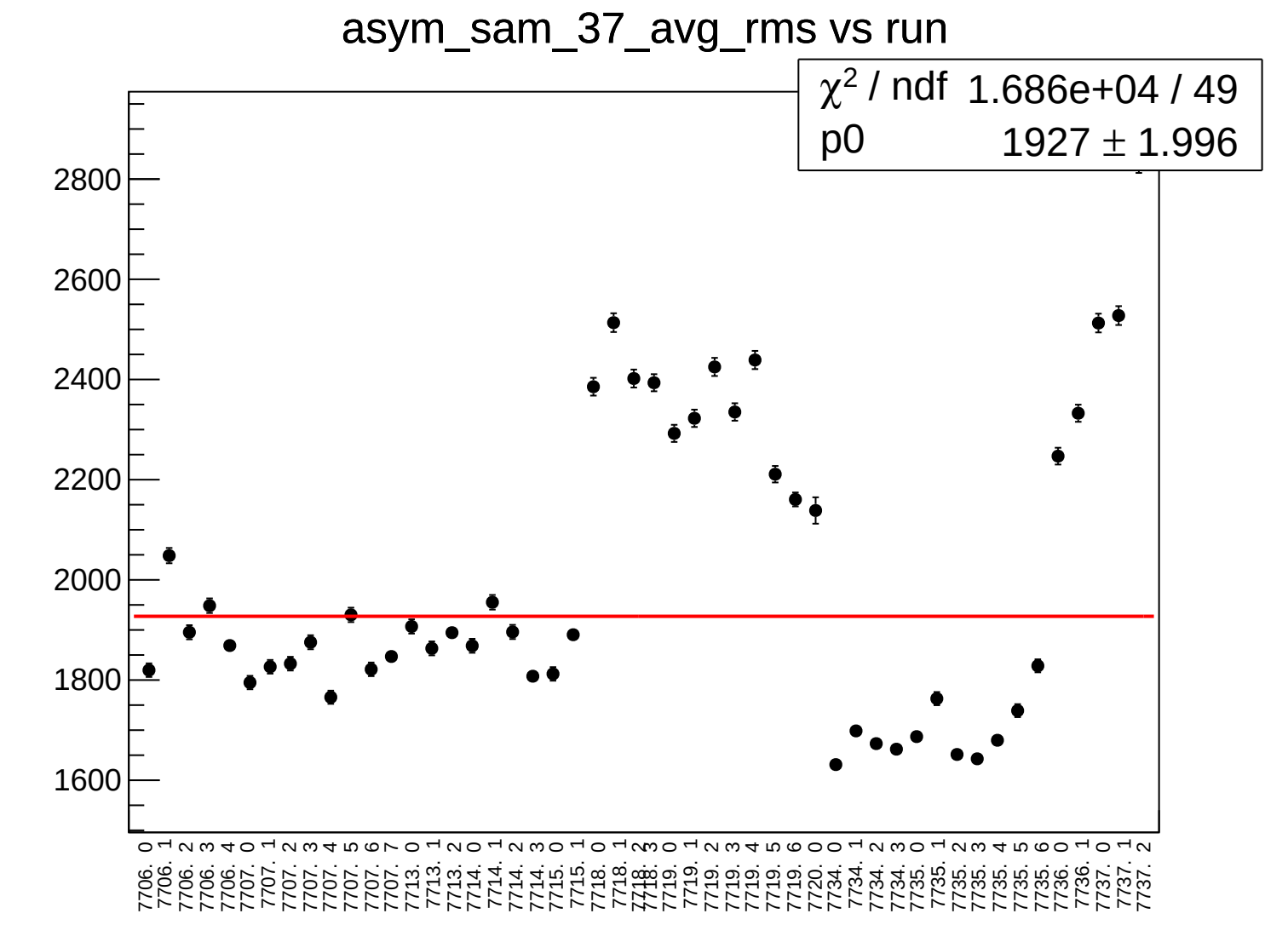

asym_sam_37_avg_correction_mean vs run
χ² / ndf 29.19 / 49
p0 −367.9 ± 2842
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −608.6
Std Dev 629.7
1.5
1
0.5
0
−0.5
−1
−1.5

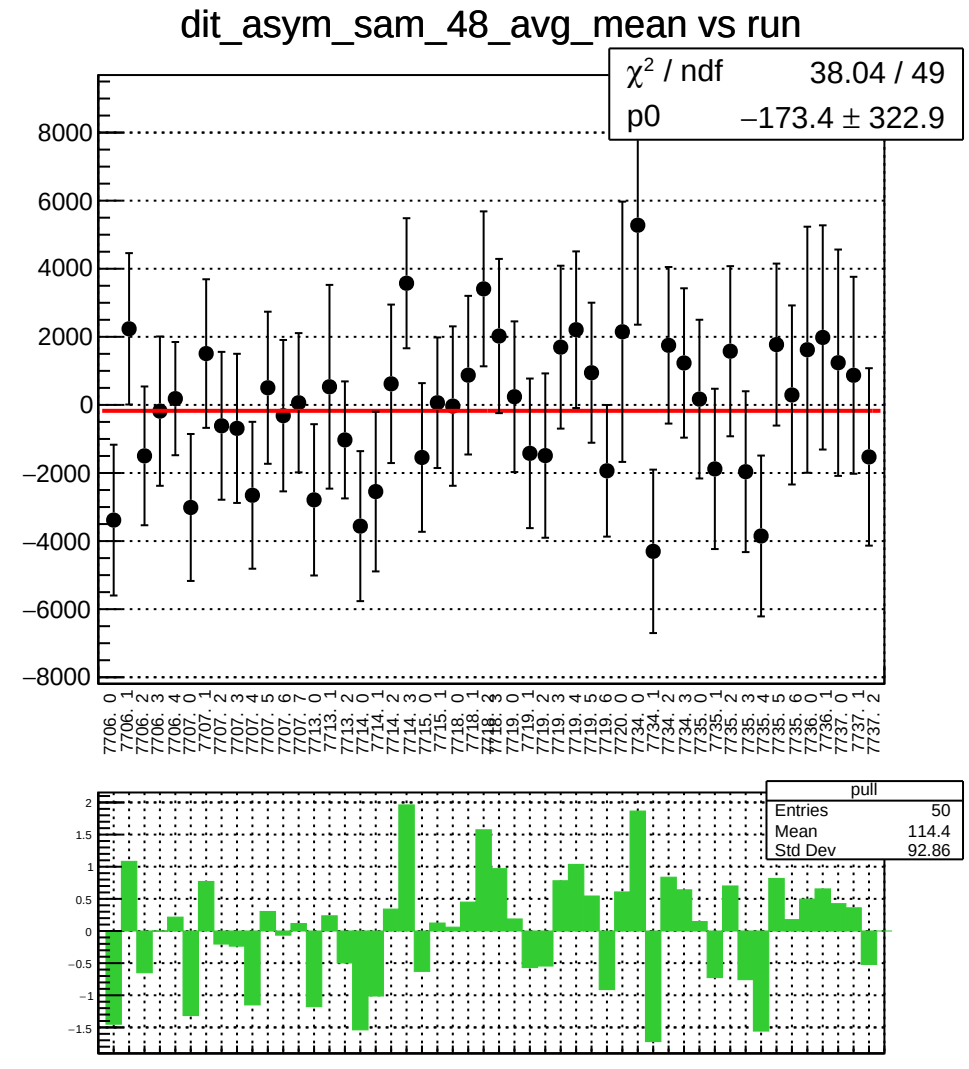

pull1D
Entries 50
Mean 0.004626
Std Dev 0.764
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

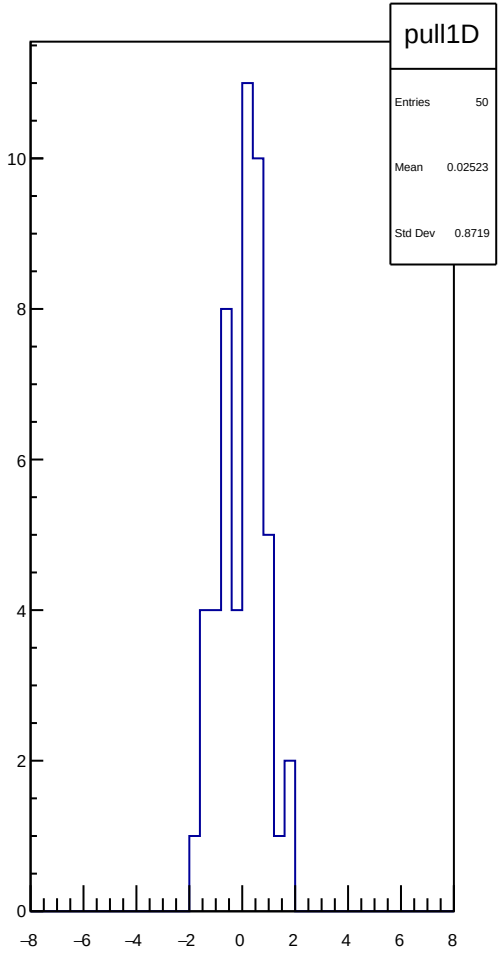

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.606e+04 / 49
p0 1941 ± 2.01
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

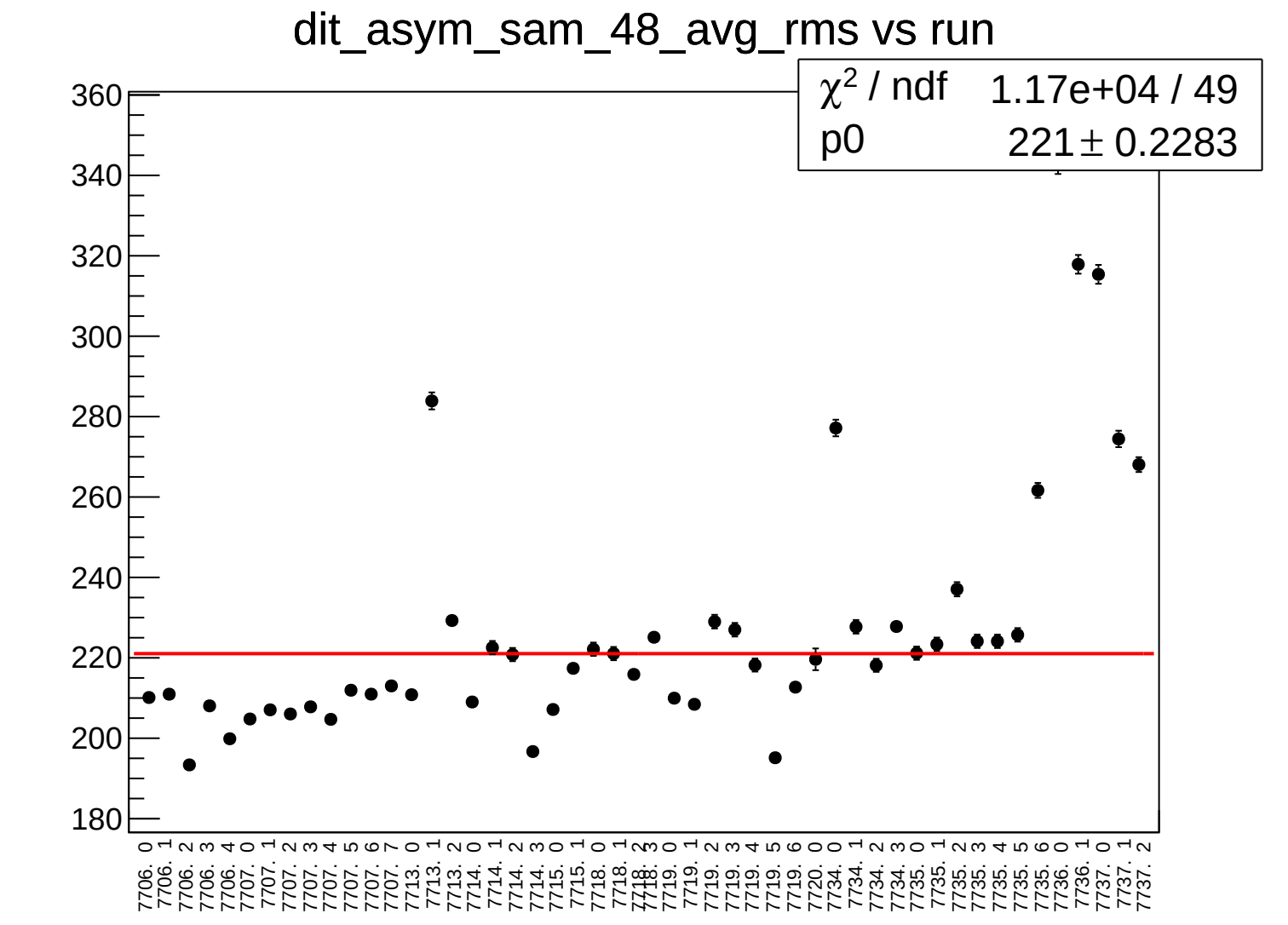

asym_sam_37_avg_mean vs run
χ² / ndf 30.07 / 49
p0 323.5 ± 2823
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −568.1
Std Dev 588.8
1.5
1
0.5
0
−0.5
−1
−1.5

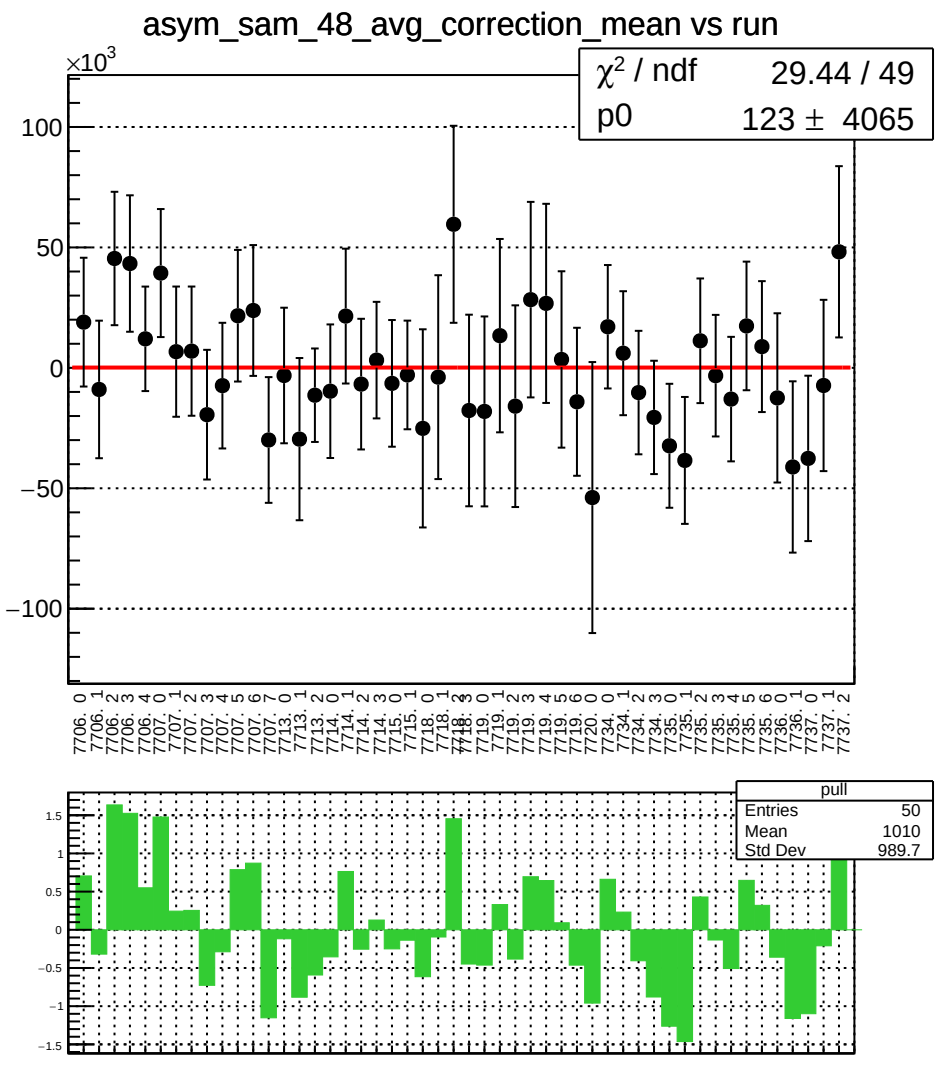

pull1D
Entries 50
Mean −0.005362
Std Dev 0.7755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

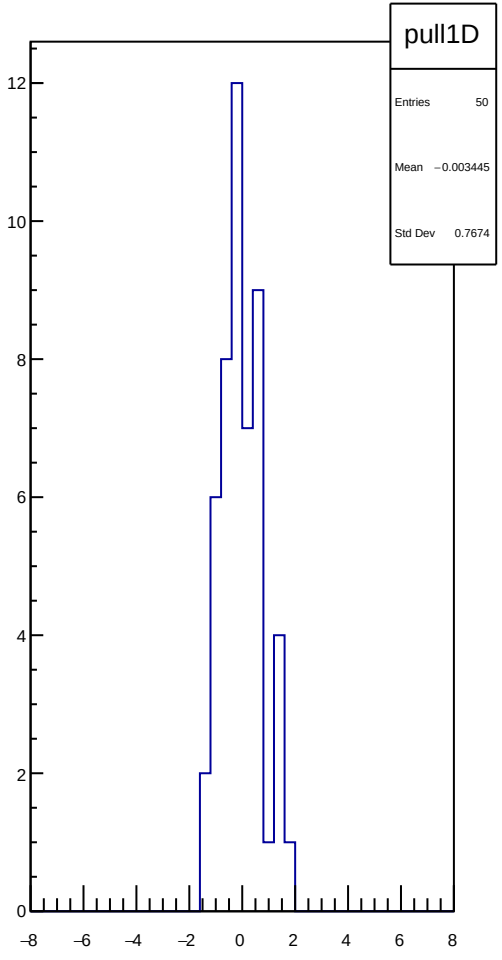

asym_sam_37_avg_rms vs run
χ² / ndf 1.686e+04 / 49
p0 1927 ± 1.996
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

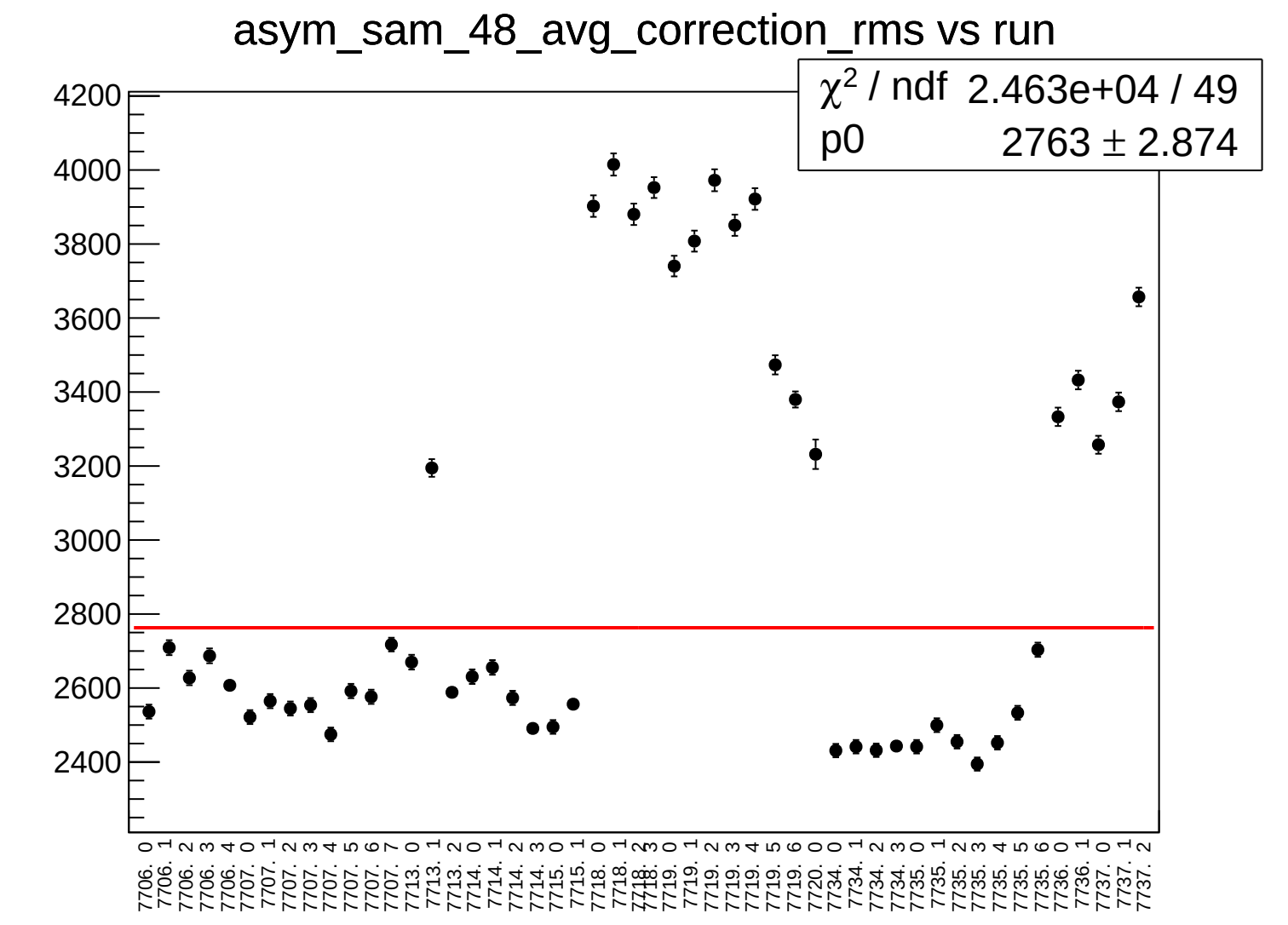

dit_asym_sam_48_avg_mean vs run
χ² / ndf 38.04 / 49
p0 −173.4 ± 322.9
pull
Entries 50
Mean 114.4
Std Dev 92.86

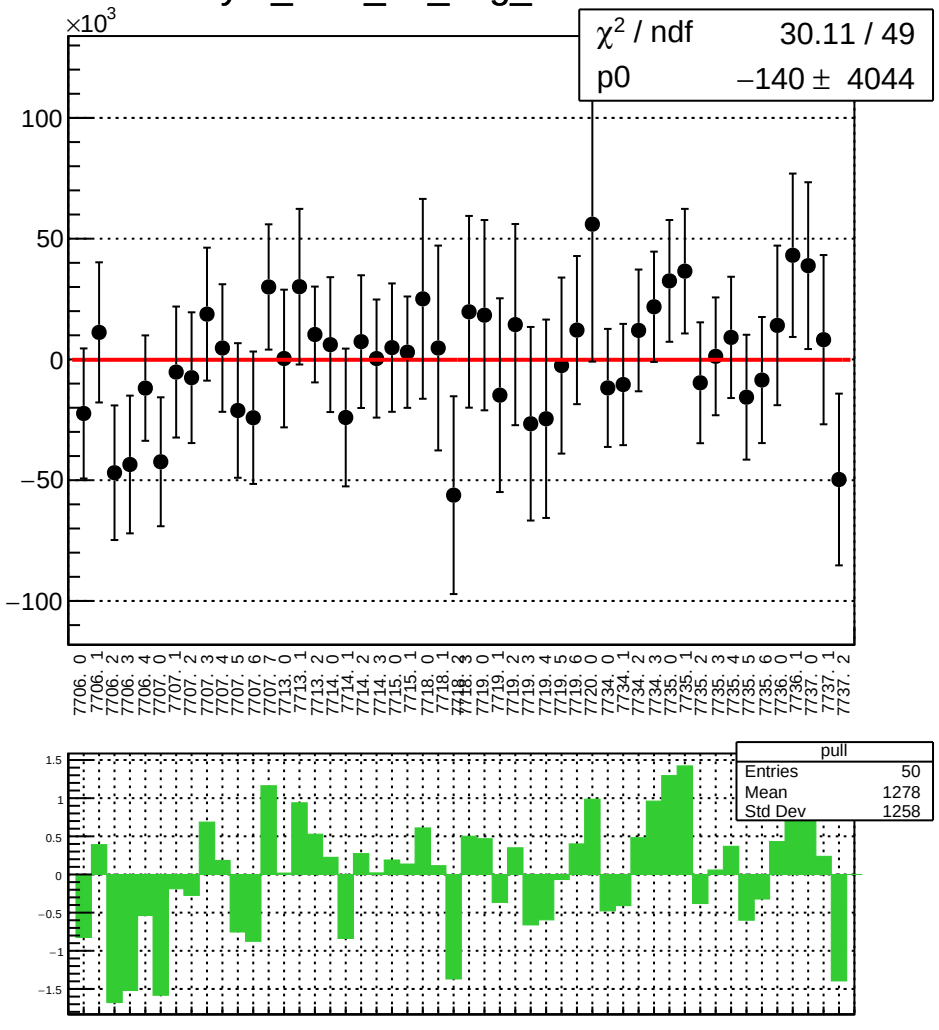

pull1D
Entries 50
Mean 0.02523
Std Dev 0.8719

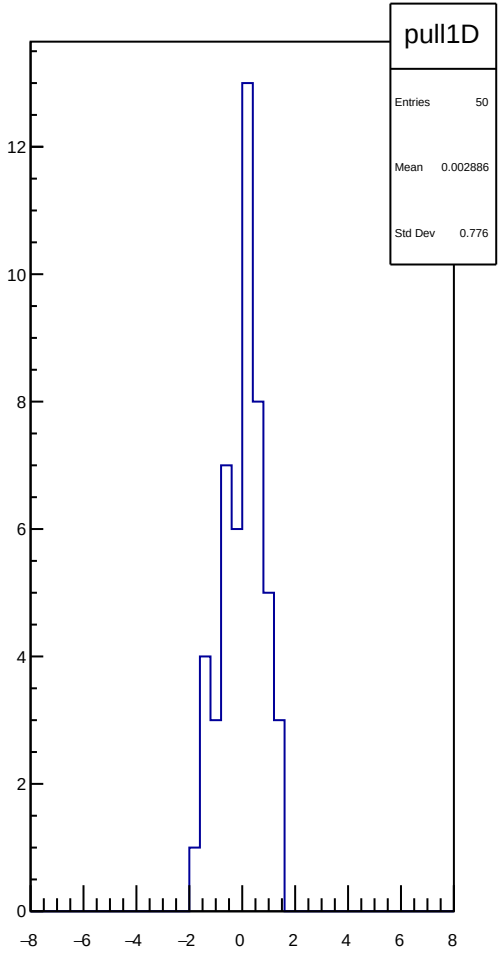

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.17e+04 / 49
p0 221 ± 0.2283
360
340
320
300
280
260
240
220
200
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

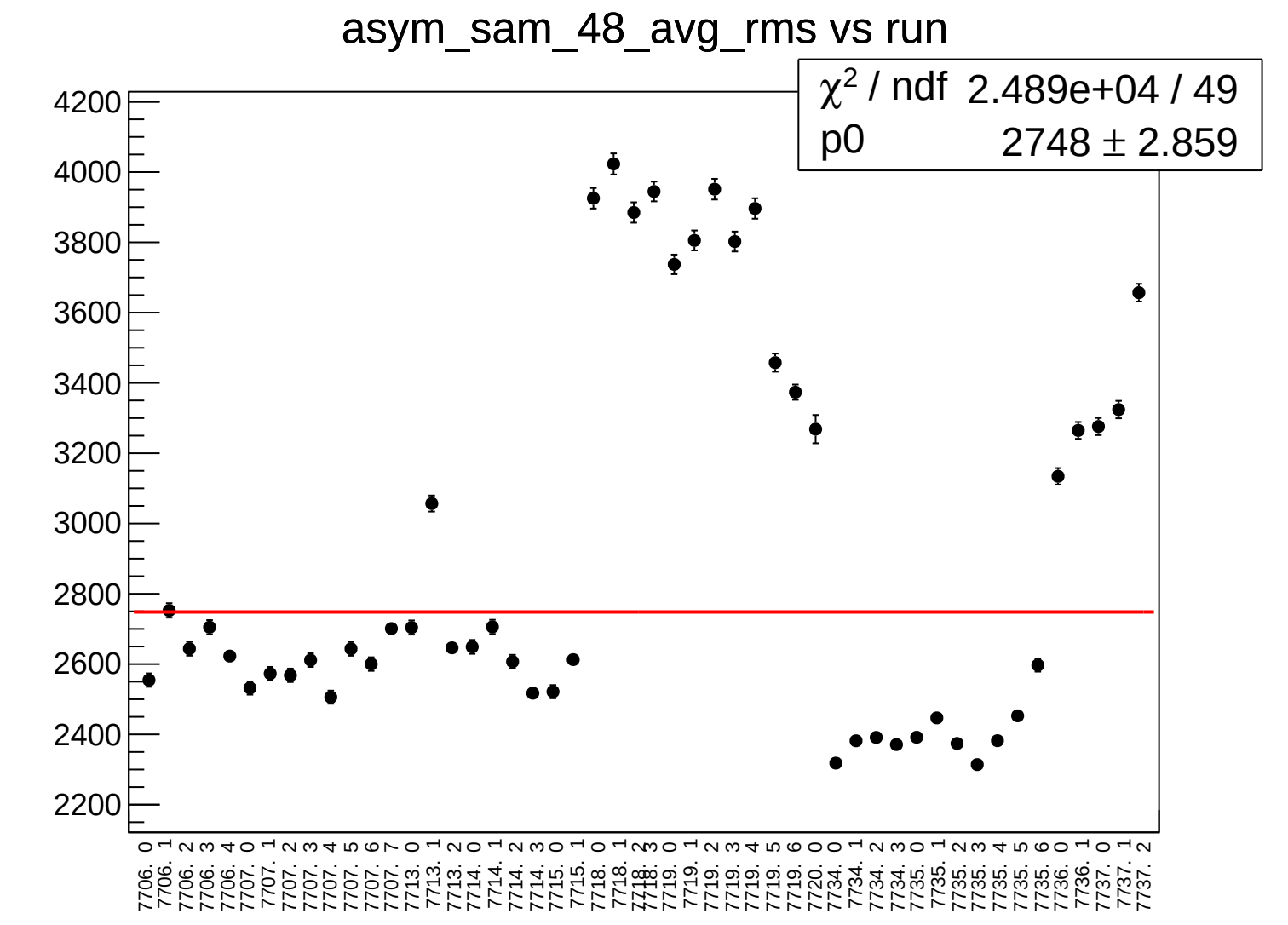

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 29.44 / 49
p0 123 ± 4065
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 1010
Std Dev 989.7
1.5
1
0.5
0
−0.5
−1
−1.5

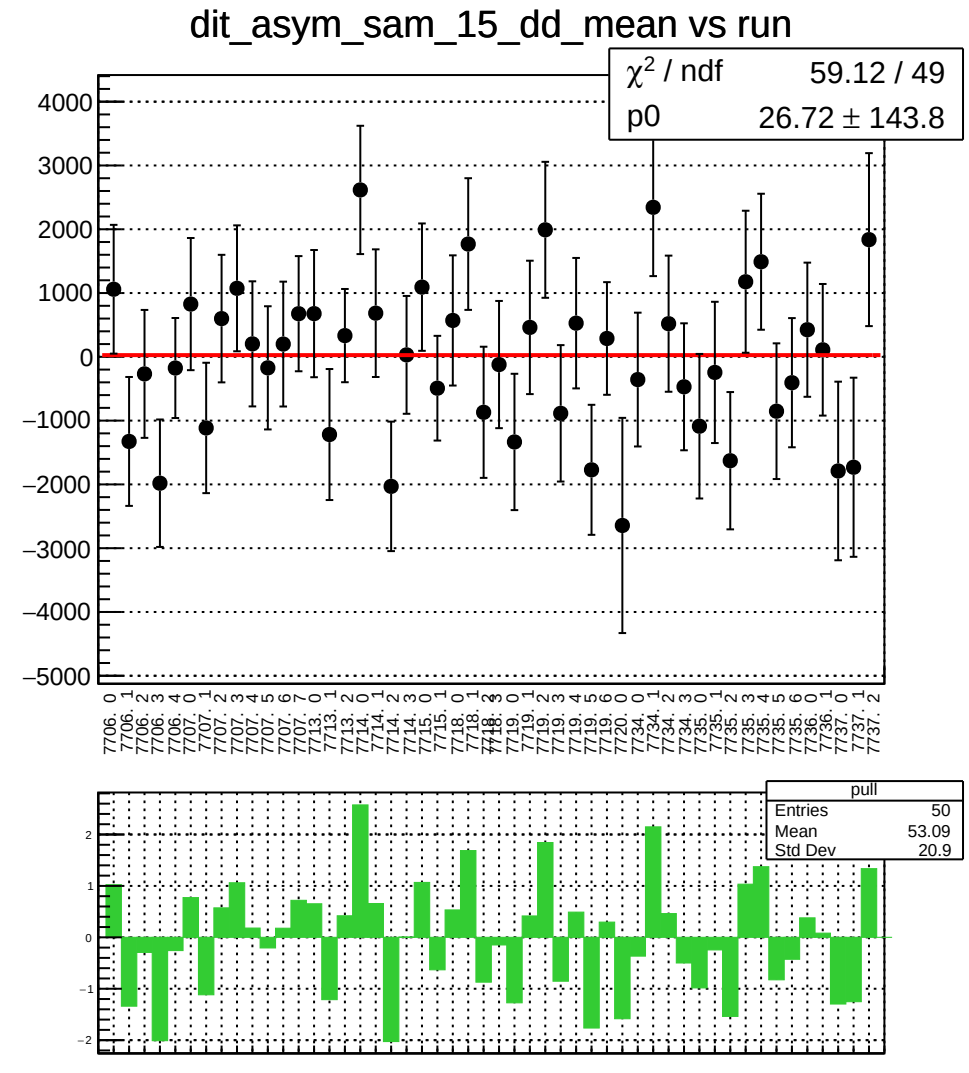

pull1D
Entries 50
Mean −0.003445
Std Dev 0.7674
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

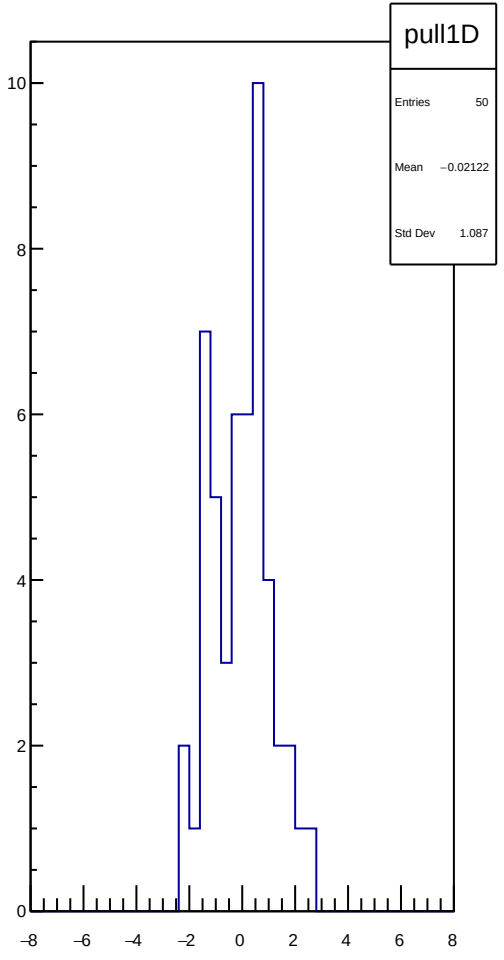

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2.463e+04 / 49
p0 2763 ± 2.874
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

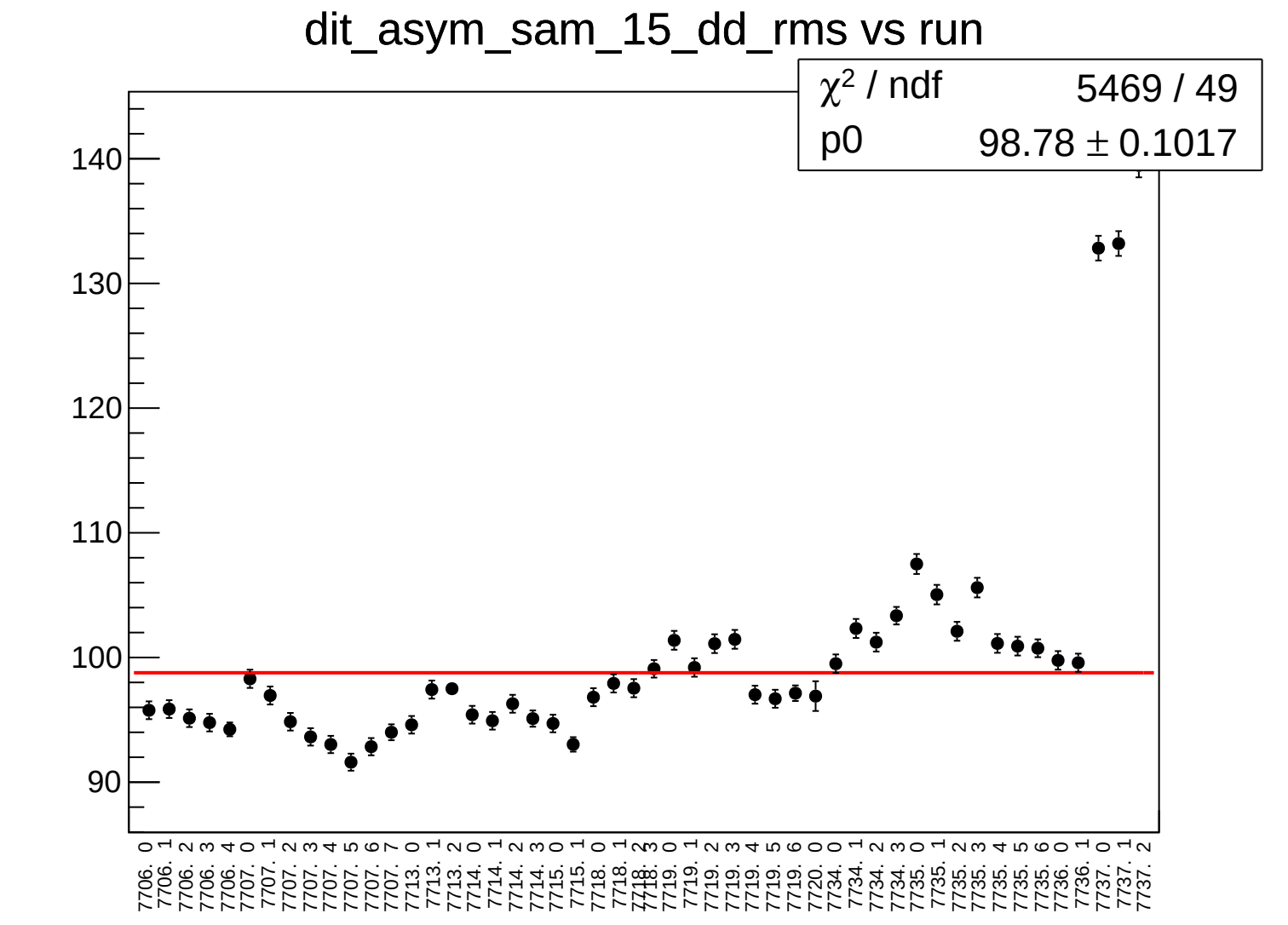

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 30.11 / 49
p0 −140 ± 4044
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 1278
Std Dev 1258
1.5
1
0.5
0
−0.5
−1
−1.5

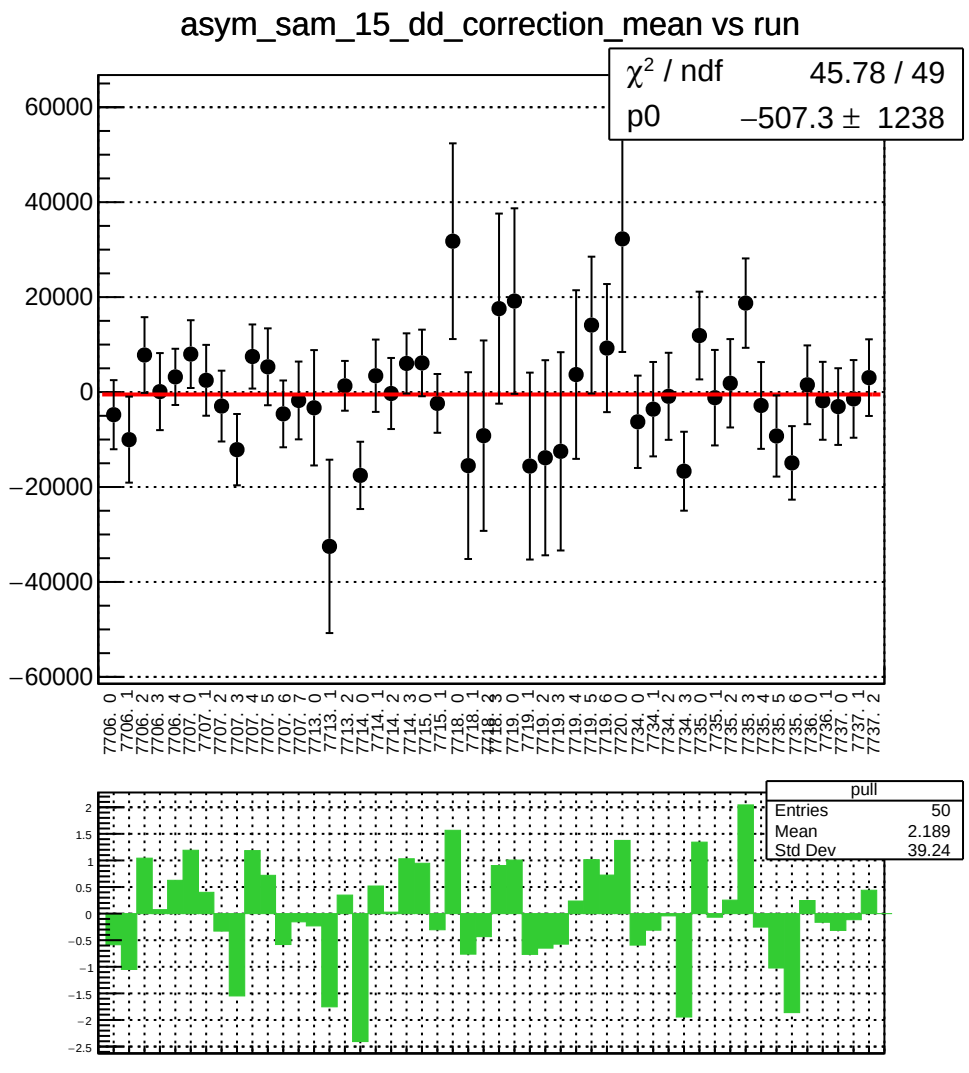

pull1D
Entries 50
Mean 0.002886
Std Dev 0.776
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

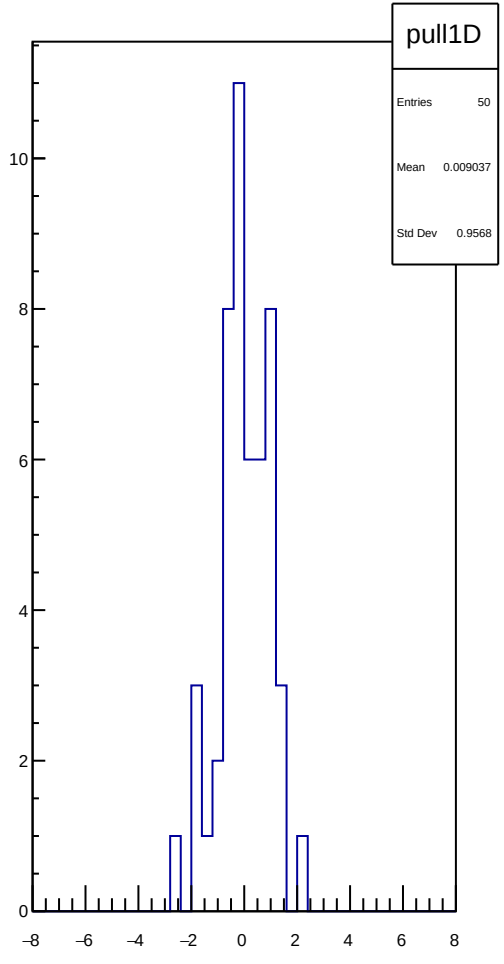

asym_sam_48_avg_rms vs run
χ² / ndf 2.489e+04 / 49
p0 2748 ± 2.859
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

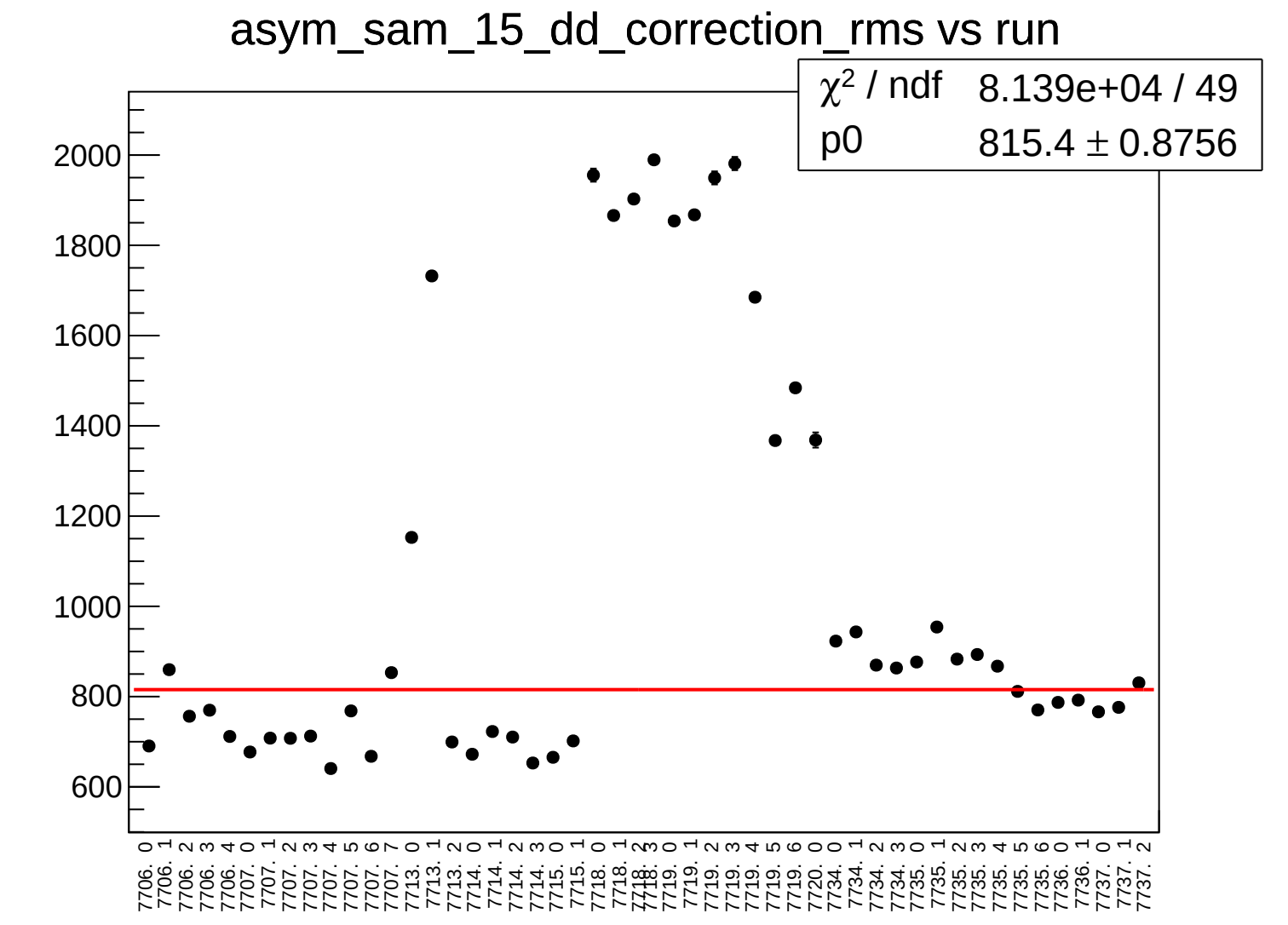

dit_asym_sam_15_dd_mean vs run
χ² / ndf 59.12 / 49
p0 26.72 ± 143.8
pull
Entries 50
Mean 53.09
Std Dev 20.9

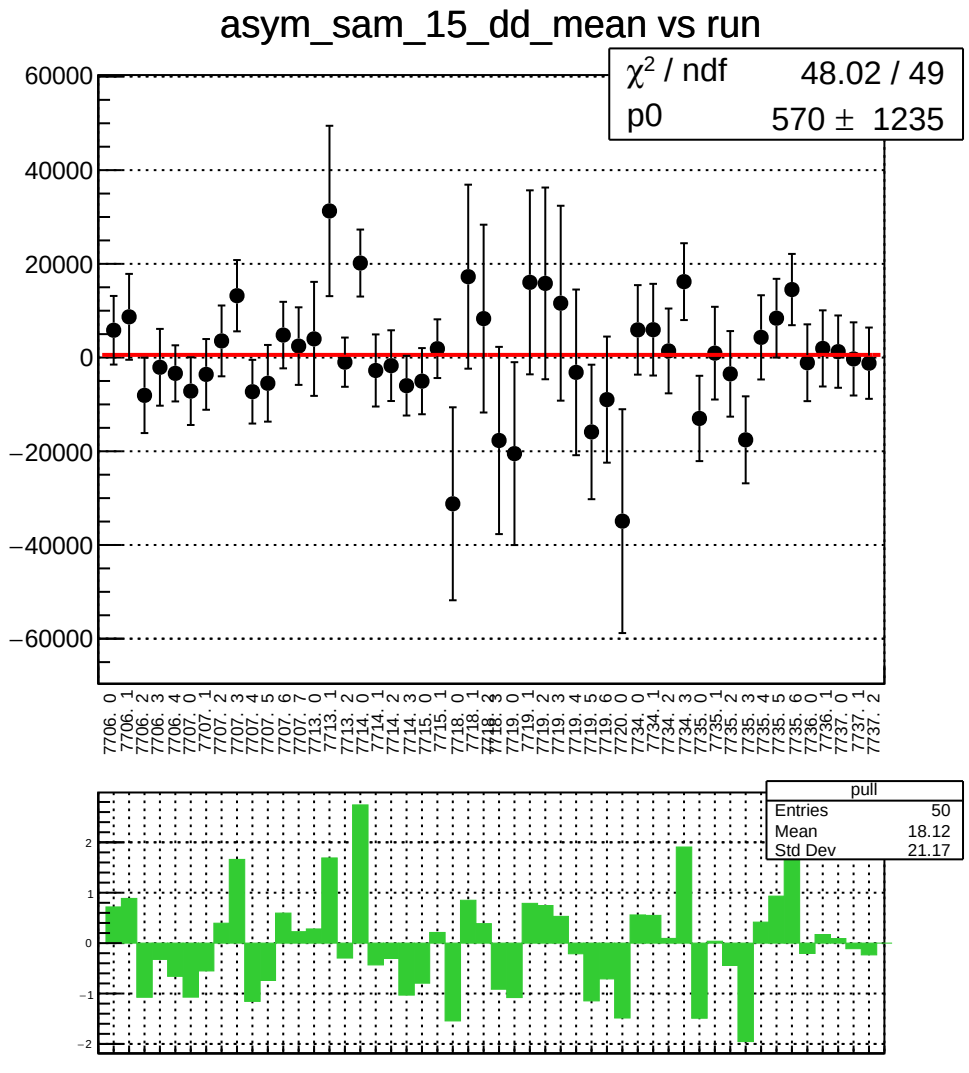

pull1D
Entries 50
Mean −0.02122
Std Dev 1.087

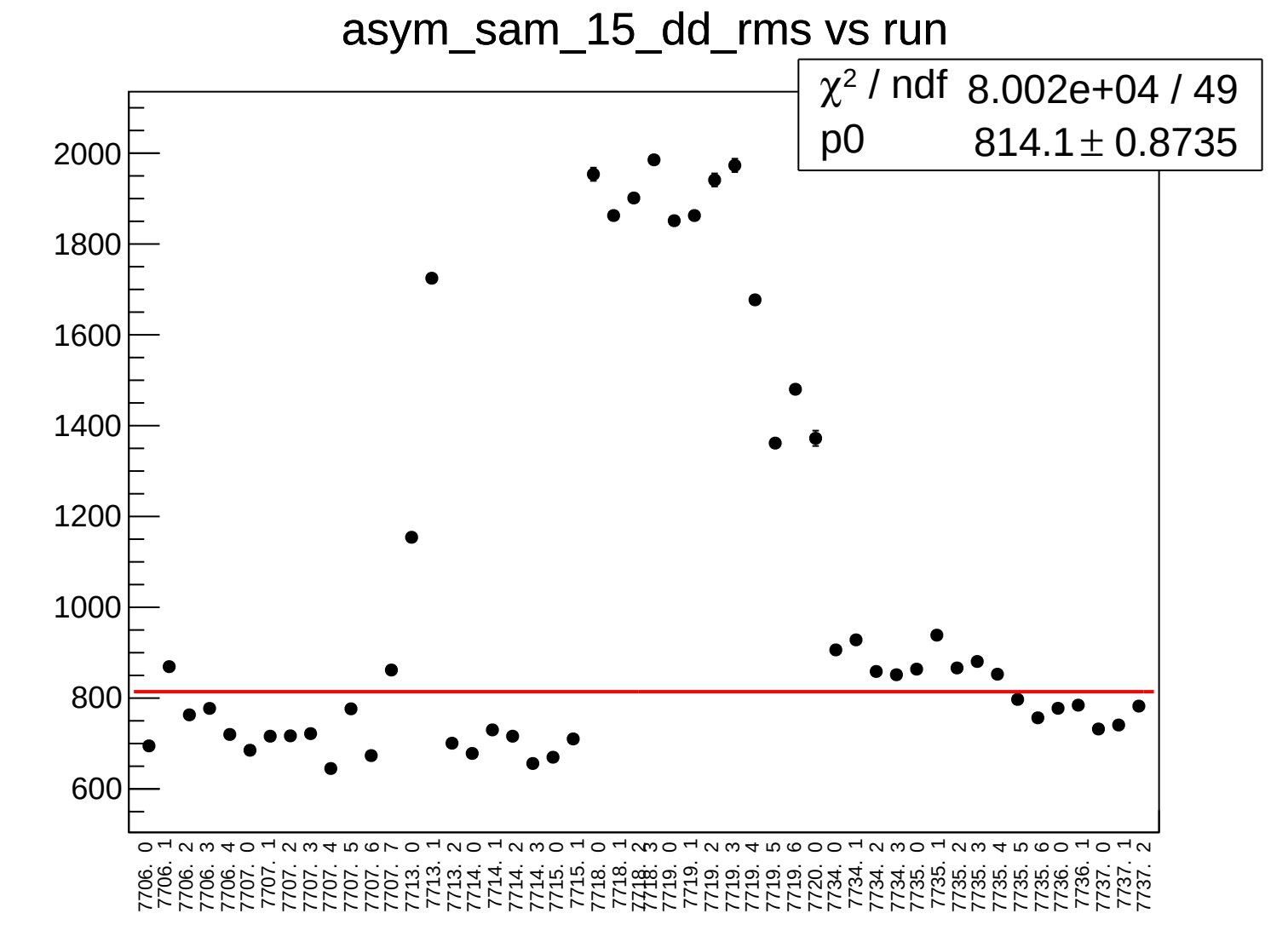

dit_asym_sam_15_dd_rms vs run
χ² / ndf 5469 / 49
p0 98.78 ± 0.1017
140
130
120
110
100
90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

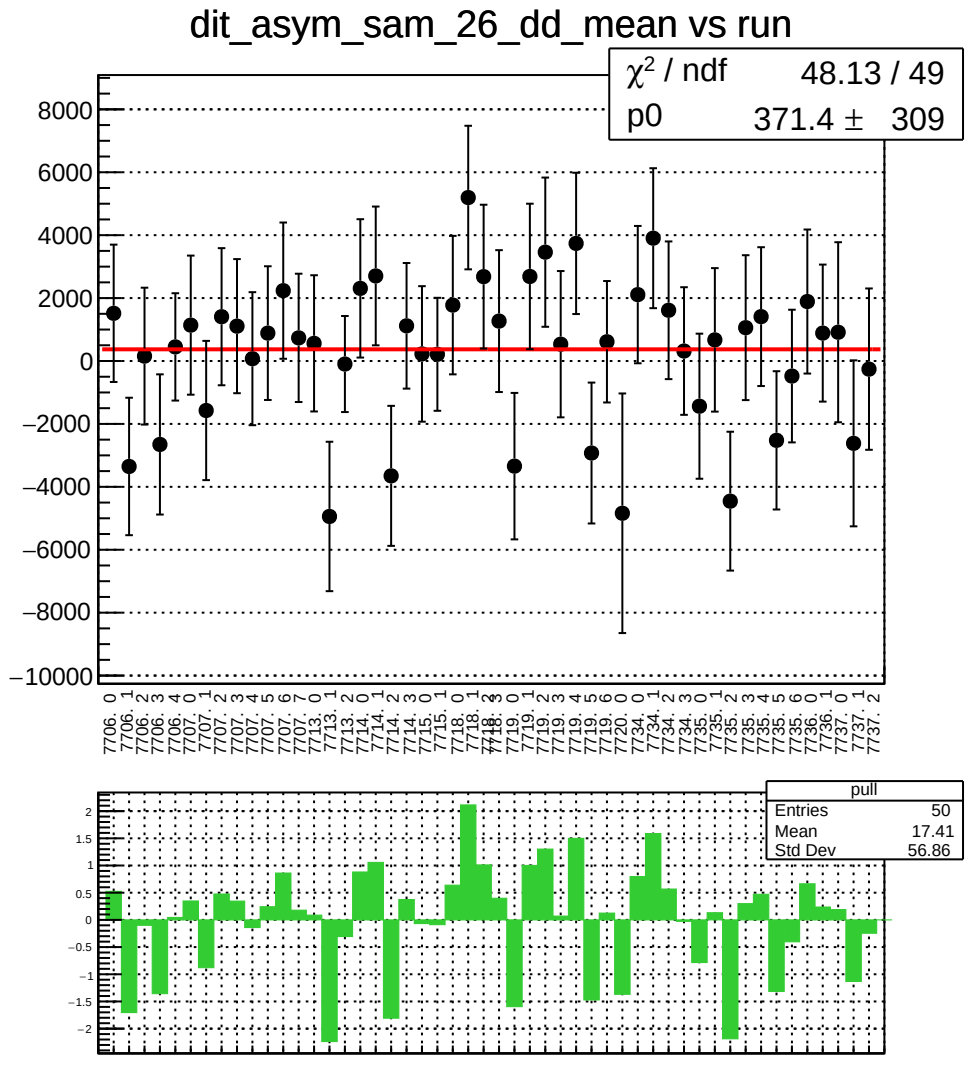

asym_sam_15_dd_correction_mean vs run
χ² / ndf 45.78 / 49
p0 −507.3 ± 1238
pull
Entries 50
Mean 2.189
Std Dev 39.24

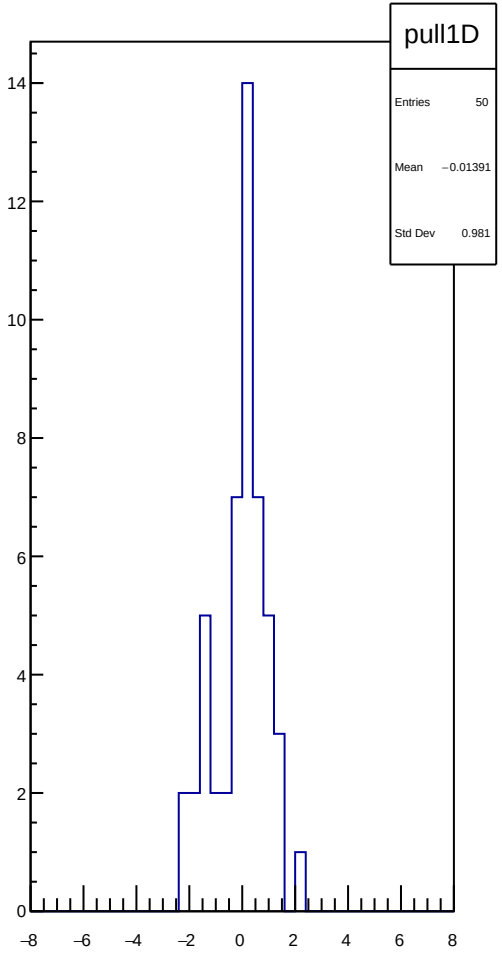

pull1D
Entries 50
Mean 0.009037
Std Dev 0.9568

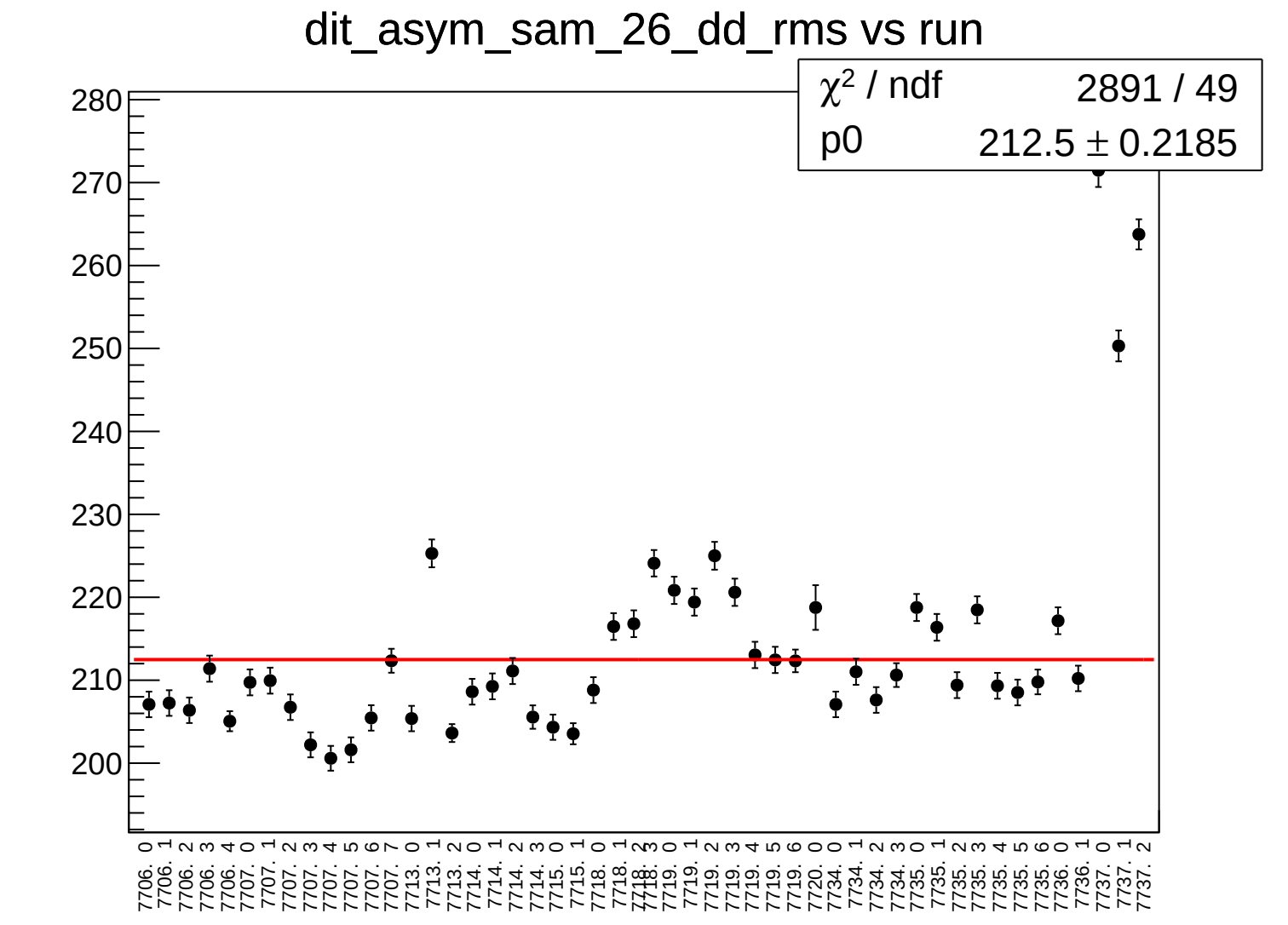

asym_sam_15_dd_correction_rms vs run
χ² / ndf 8.139e+04 / 49
p0 815.4 ± 0.8756
2000
1800
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

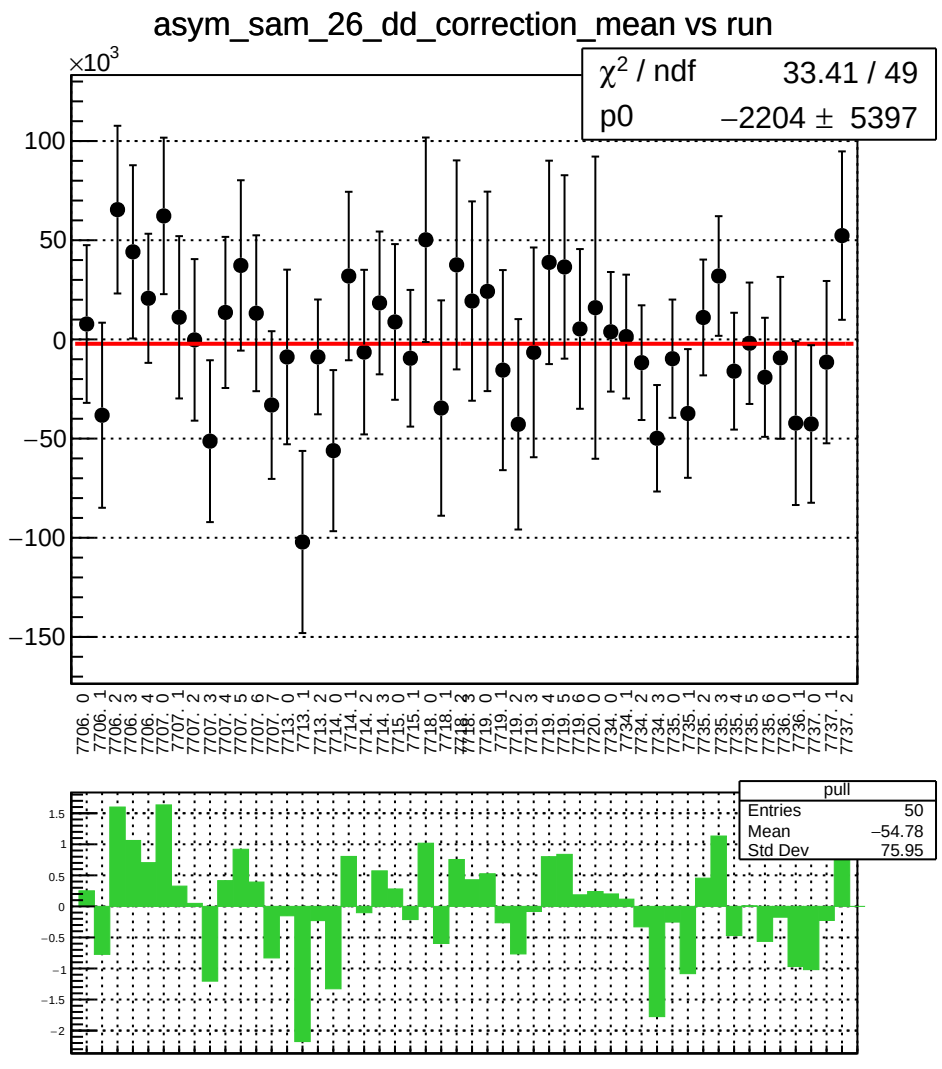

asym_sam_15_dd_mean vs run
χ² / ndf 48.02 / 49
p0 570 ± 1235
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 18.12
Std Dev 21.17
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.0132
Std Dev 0.98
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

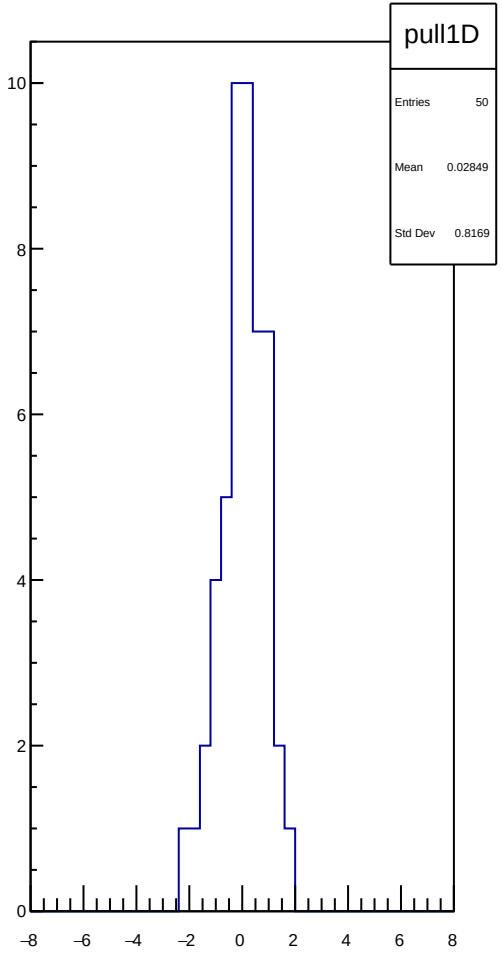

asym_sam_15_dd_rms vs run
χ² / ndf 8.002e+04 / 49
p0 814.1 ± 0.8735
2000
1800
1600
1400
1200
1000
800
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

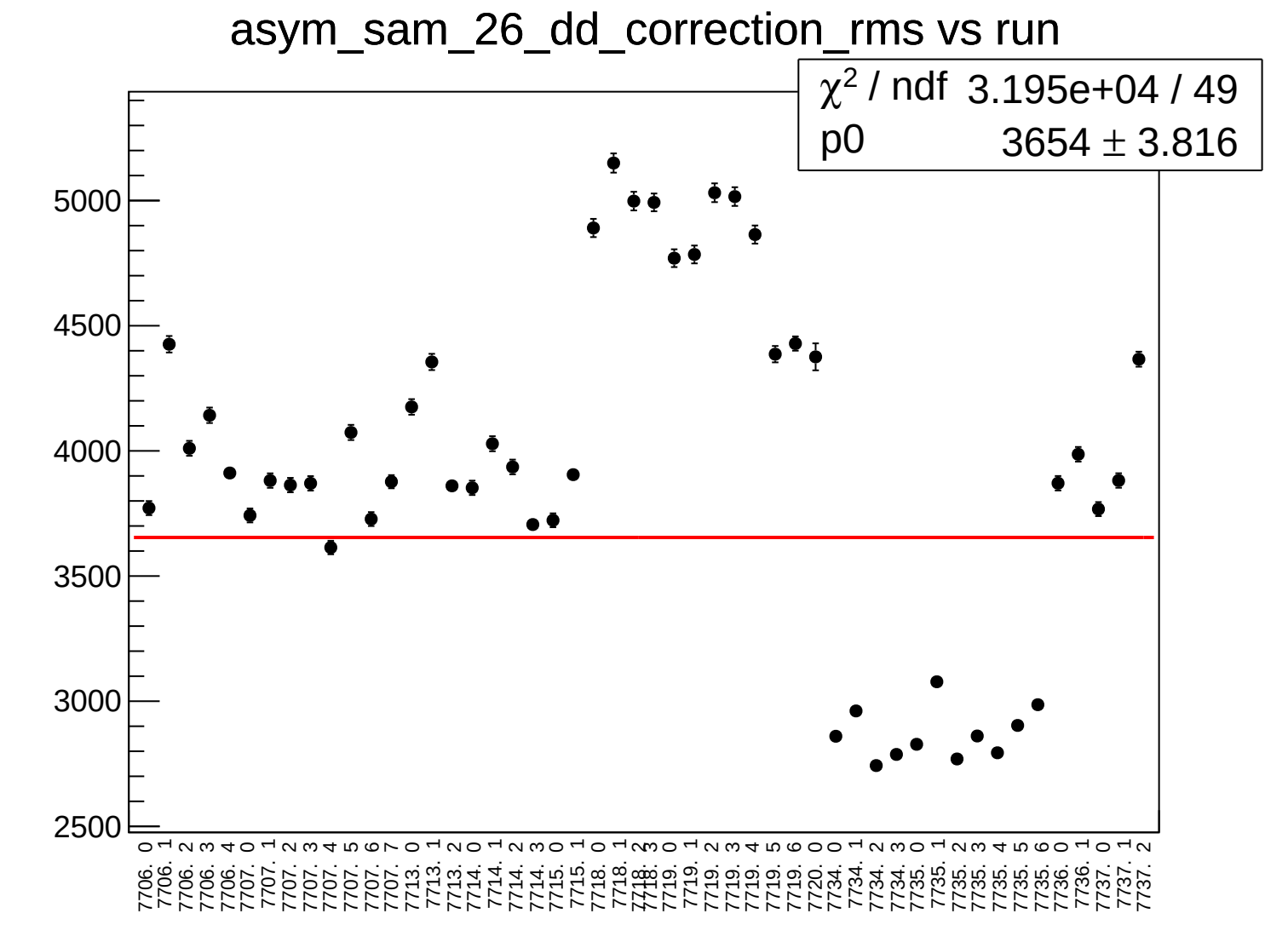

dit_asym_sam_26_dd_mean vs run
χ² / ndf 48.13 / 49
p0 371.4 ± 309
pull
Entries 50
Mean 17.41
Std Dev 56.86

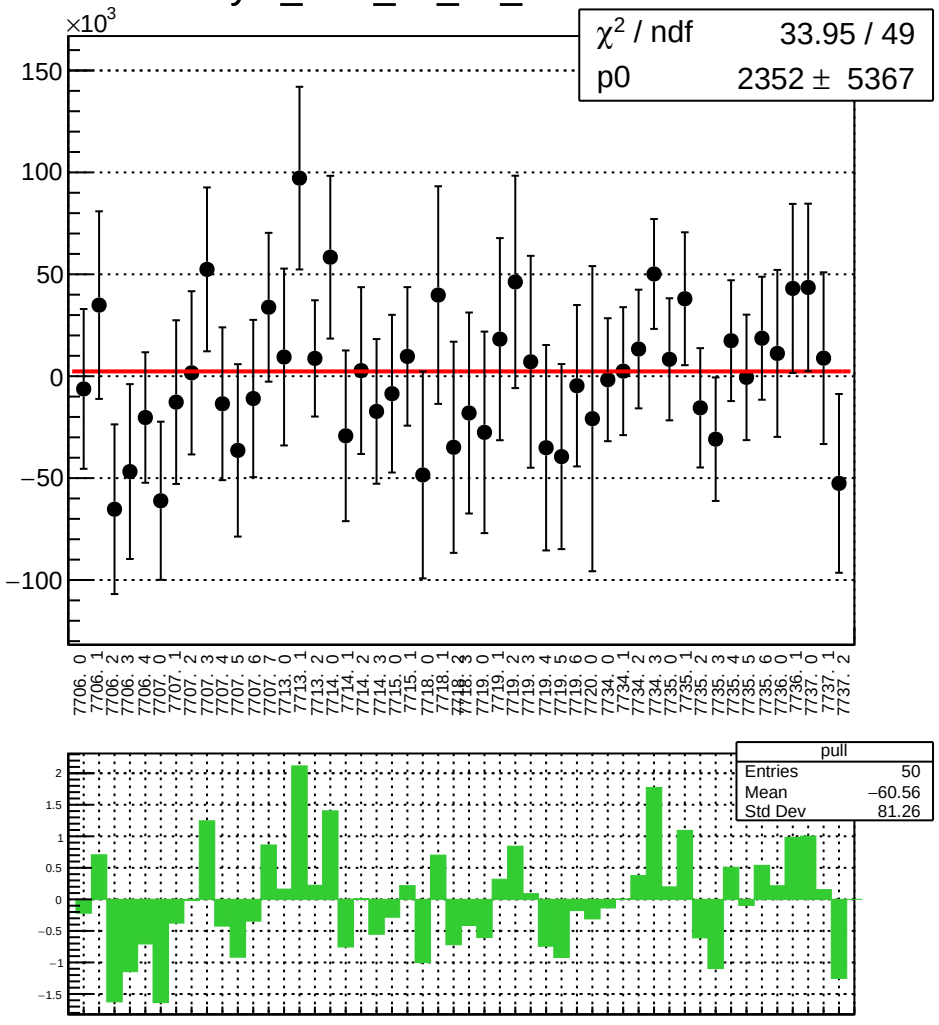

pull1D
Entries 50
Mean −0.01391
Std Dev 0.981

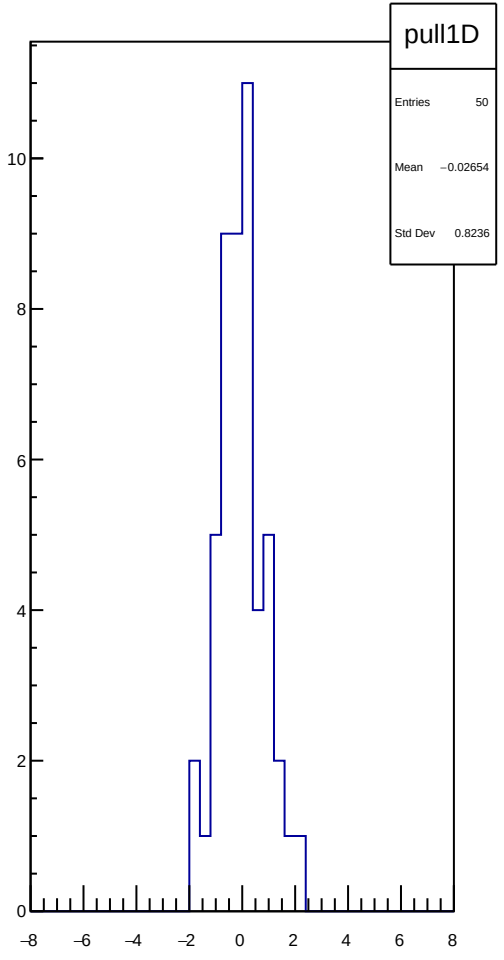

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 2891 / 49
p0 212.5 ± 0.2185
280
270
260
250
240
230
220
210
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

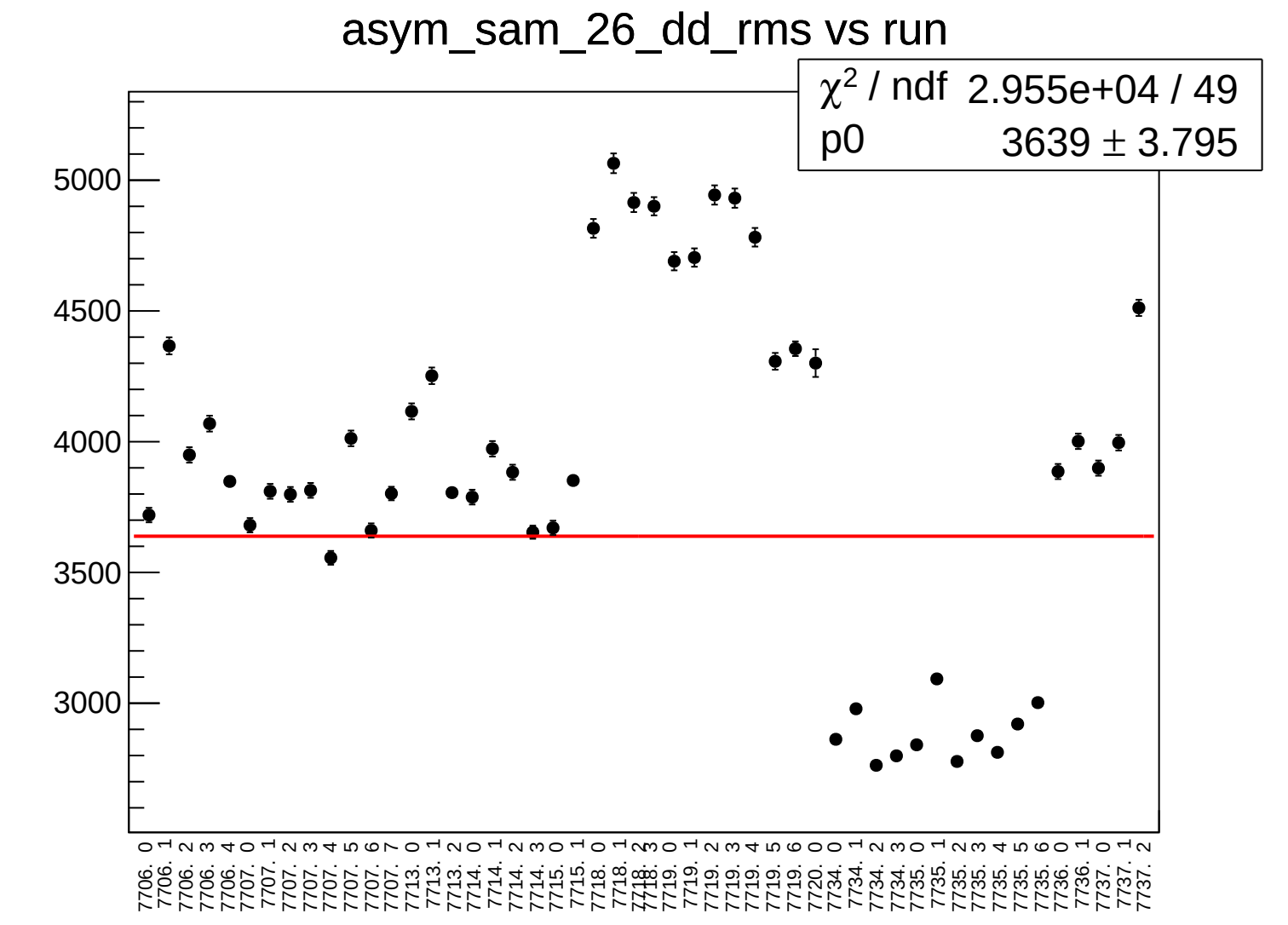

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 33.41 / 49
p0 −2204 ± 5397
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −54.78
Std Dev 75.95
1.5
1
0.5
0
−0.5
−1
−1.5
−2

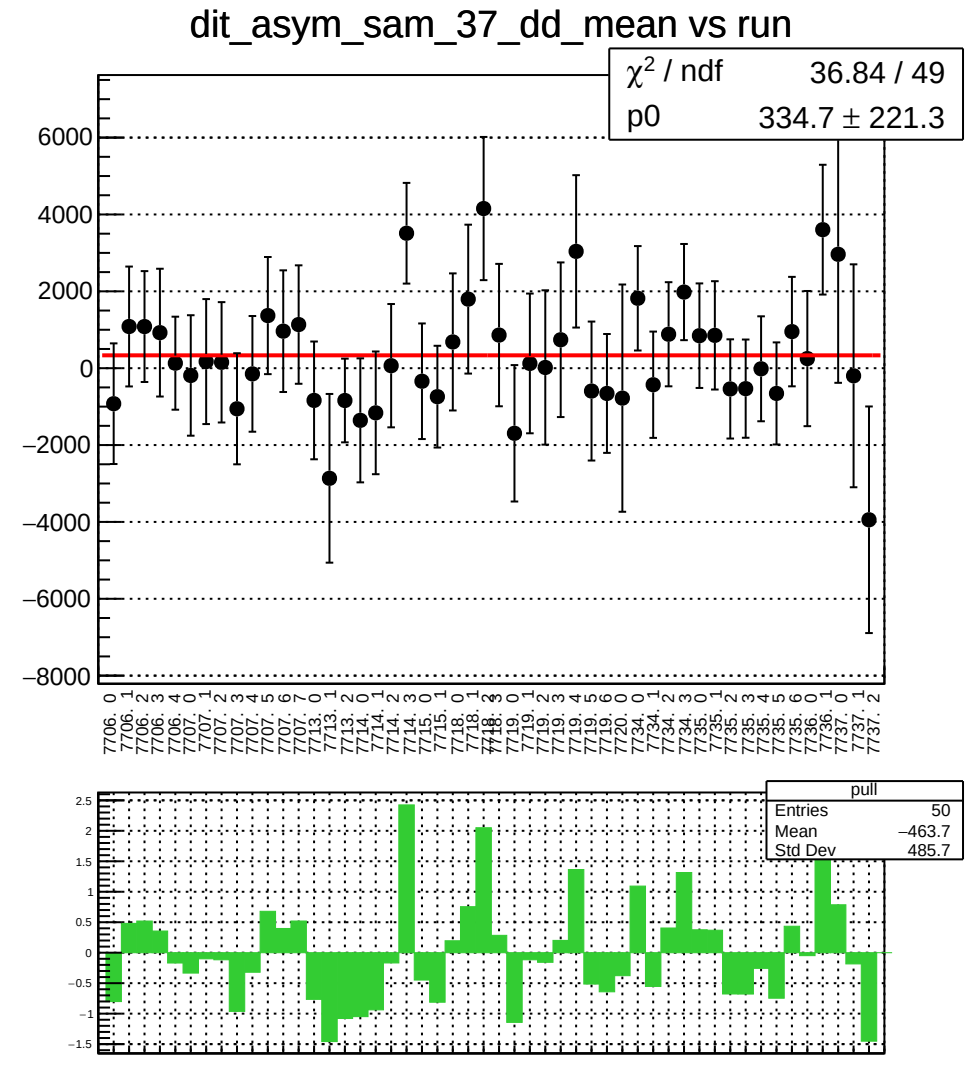

pull1D
Entries 50
Mean 0.02849
Std Dev 0.8169
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

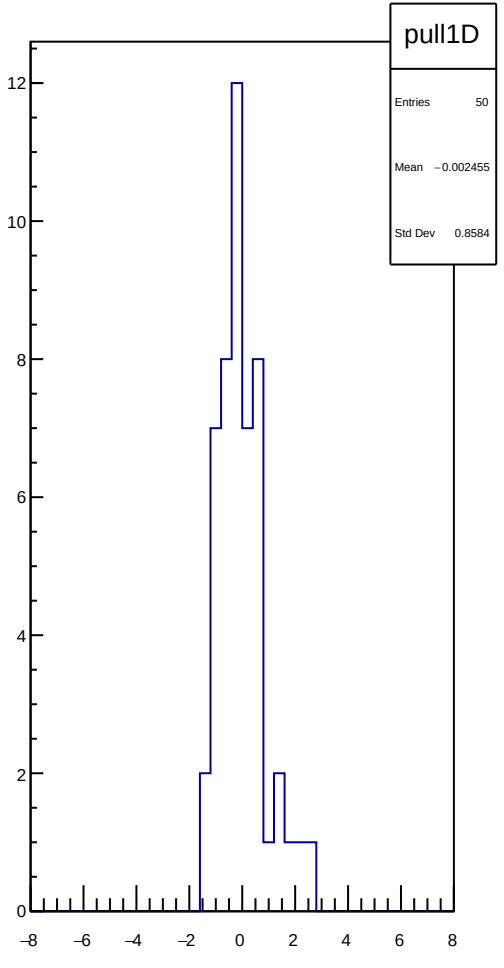

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3.195e+04 / 49
p0 3654 ± 3.816
5000
4500
4000
3500
3000
2500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

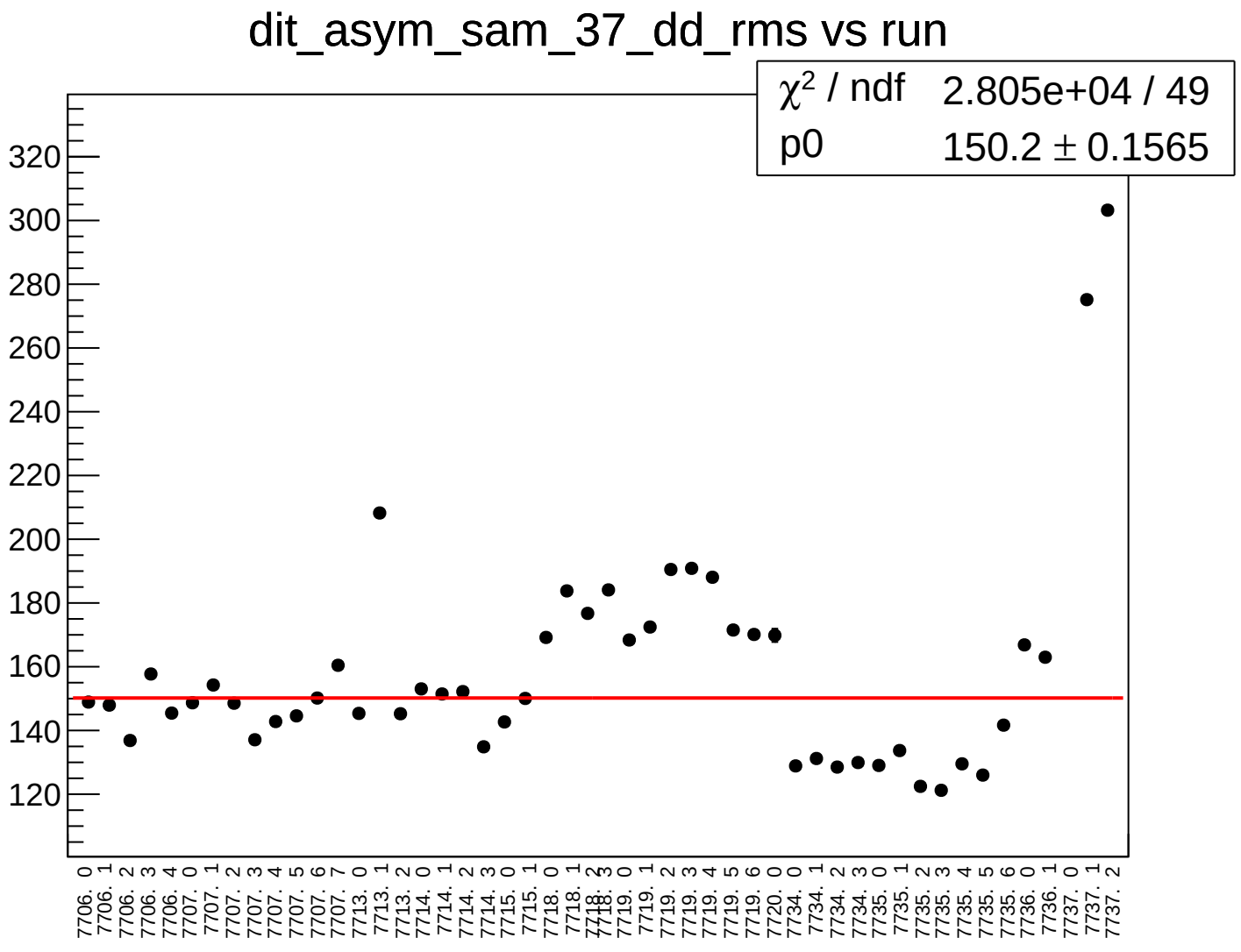

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 33.95 / 49
p0 2352 ± 5367
150
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −60.56
Std Dev 81.26
2
1.5
1
0.5
0
−0.5
−1
−1.5

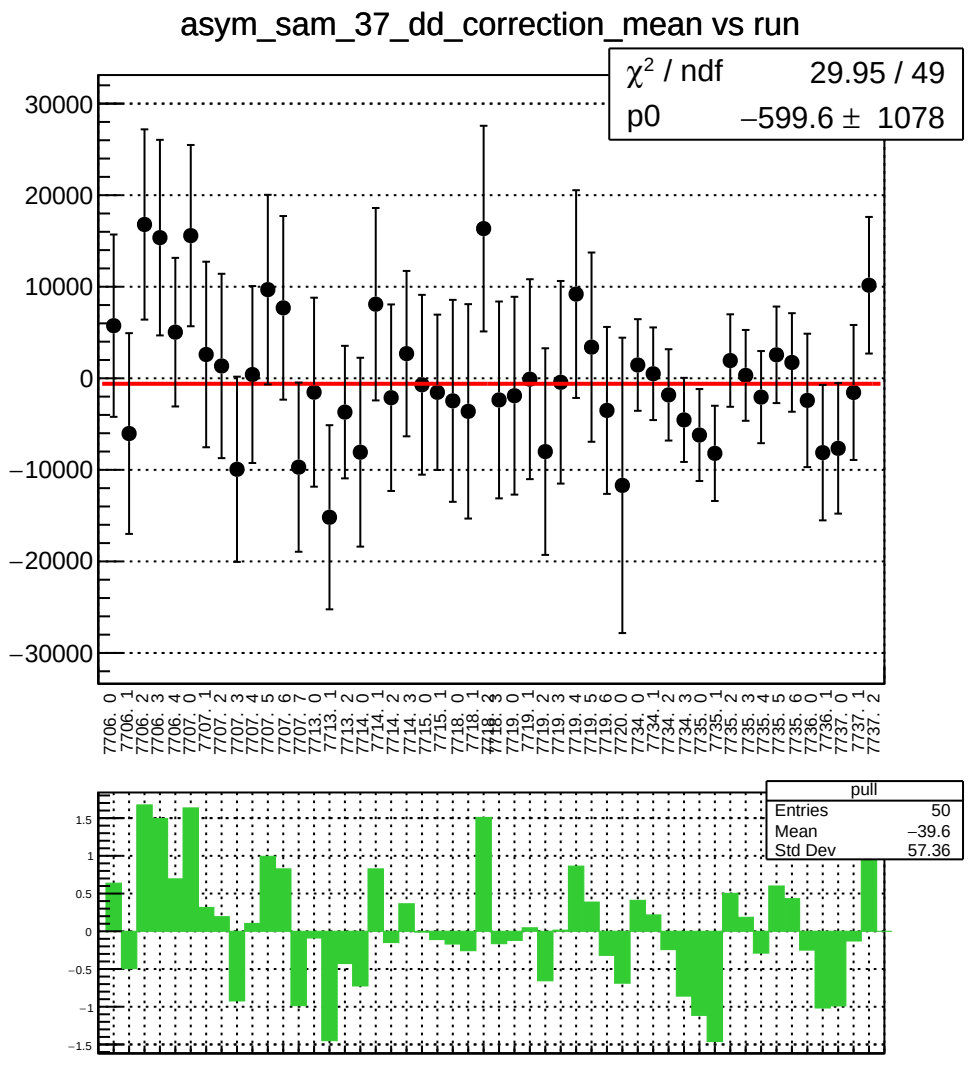

pull1D
Entries 50
Mean −0.02654
Std Dev 0.8236
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

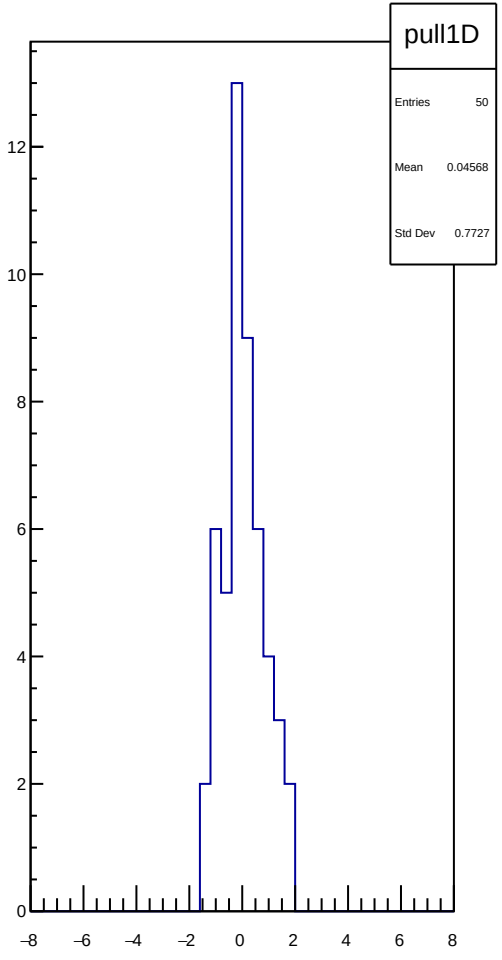

asym_sam_26_dd_rms vs run
χ² / ndf 2.955e+04 / 49
p0 3639 ± 3.795
5000
4500
4000
3500
3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

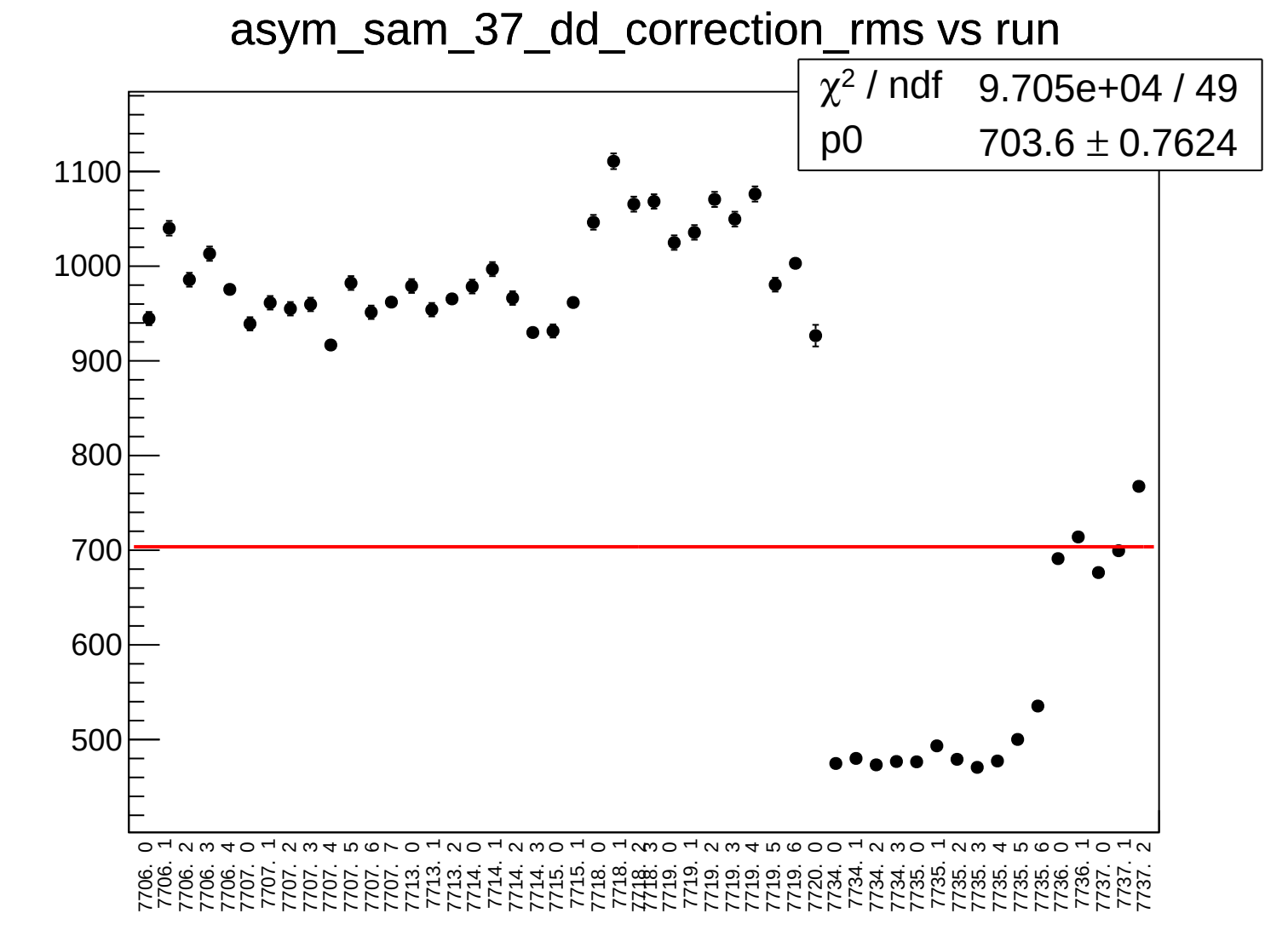

dit_asym_sam_37_dd_mean vs run
χ² / ndf 36.84 / 49
p0 334.7 ± 221.3
pull
Entries 50
Mean −463.7
Std Dev 485.7

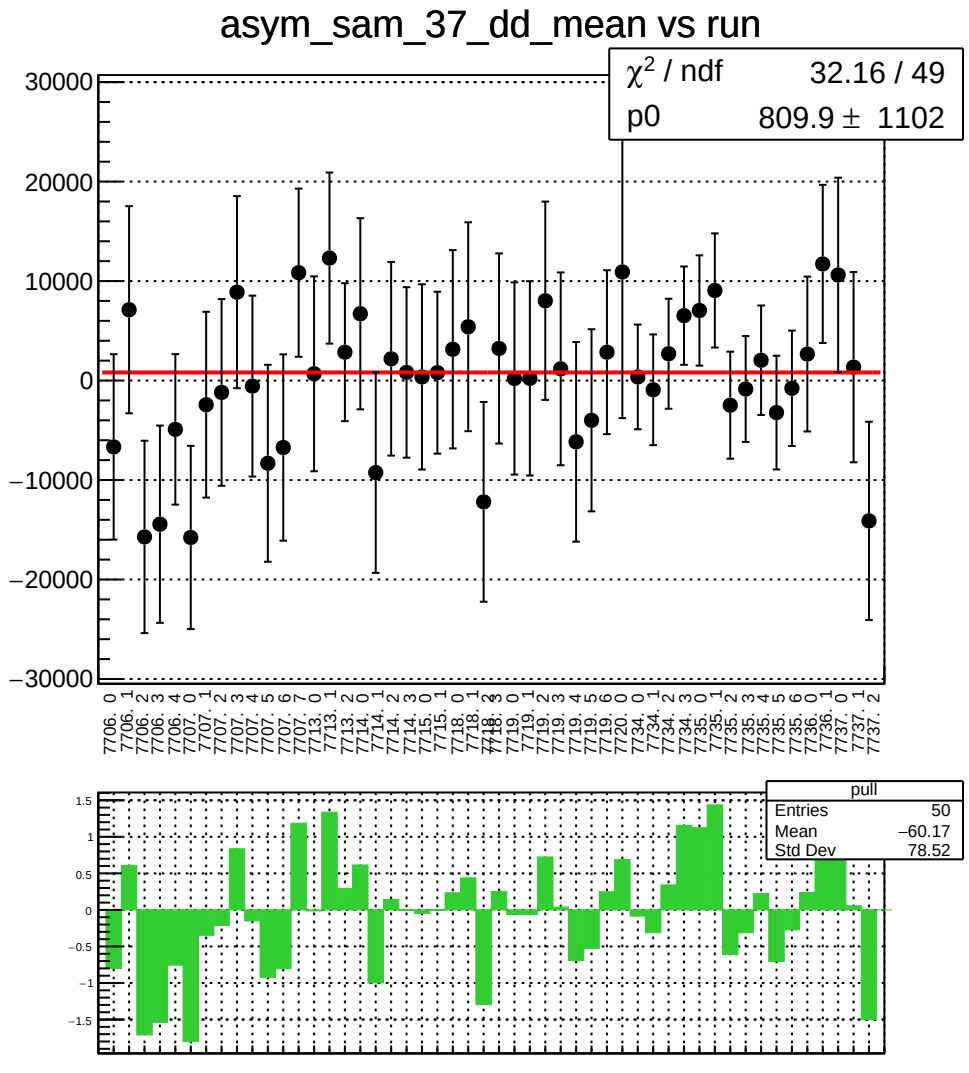

pull1D
Entries 50
Mean −0.002455
Std Dev 0.8584

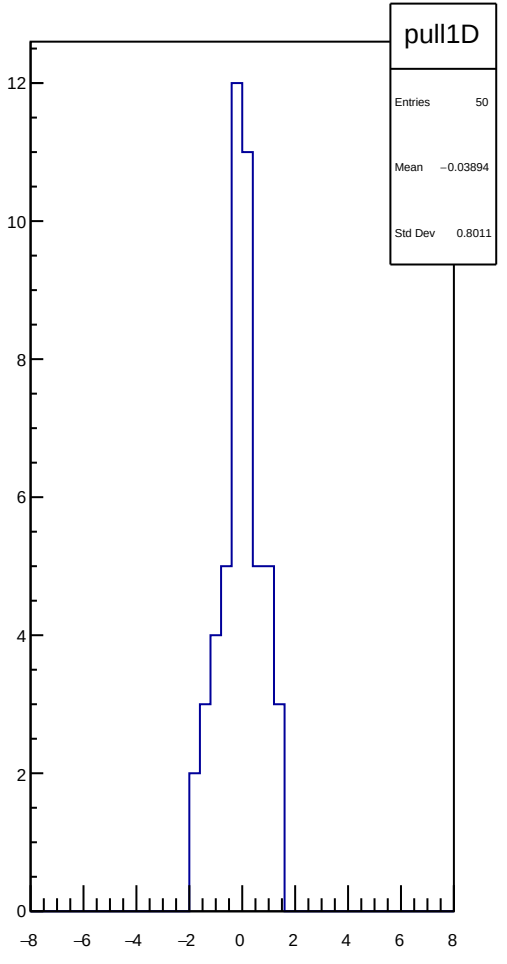

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.805e+04 / 49
p0 150.2 ± 0.1565
320
300
280
260
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

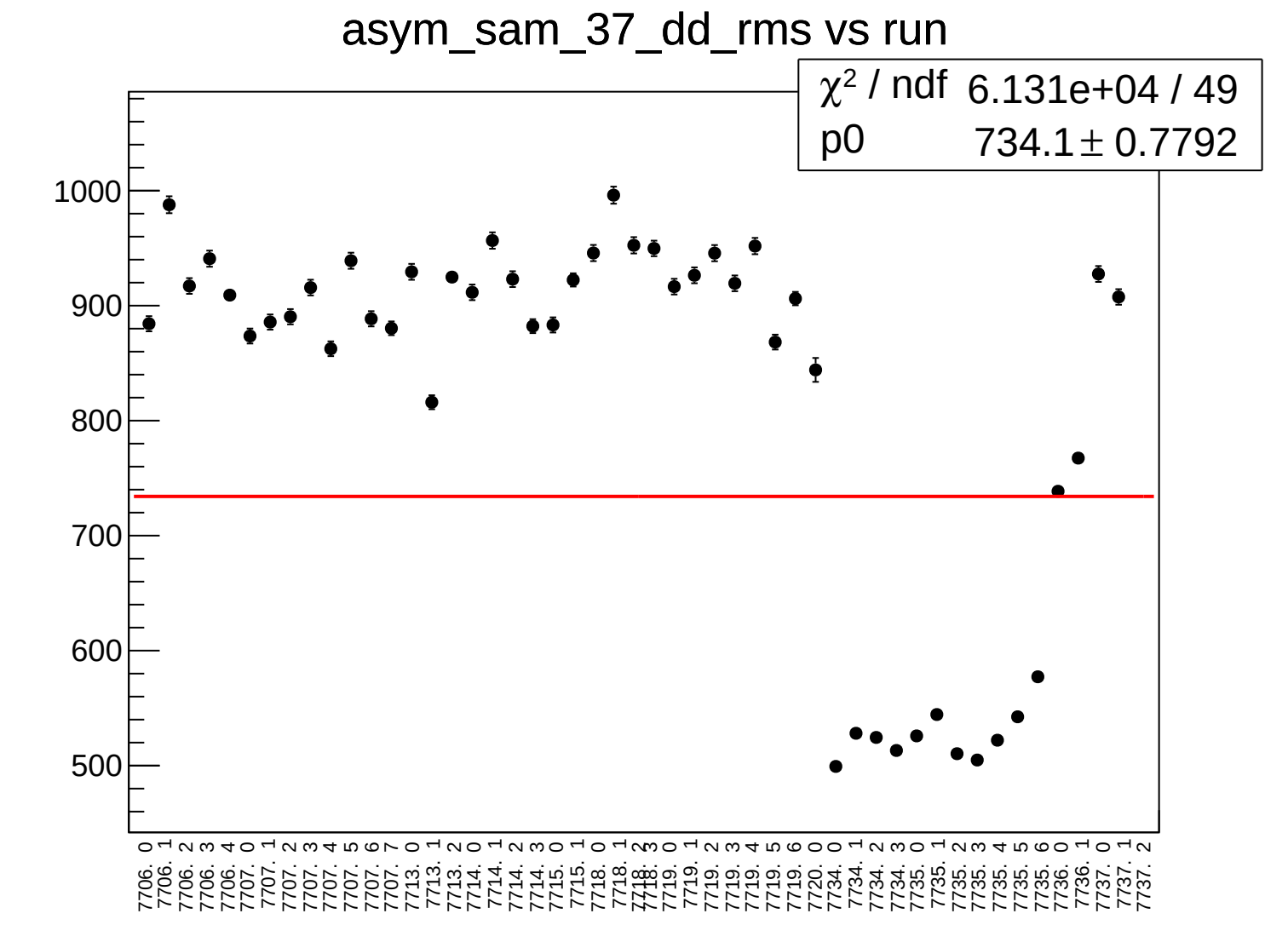

asym_sam_37_dd_correction_mean vs run
χ² / ndf 29.95 / 49
p0 −599.6 ± 1078
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −39.6
Std Dev 57.36
1.5
1
0.5
0
−0.5
−1
−1.5

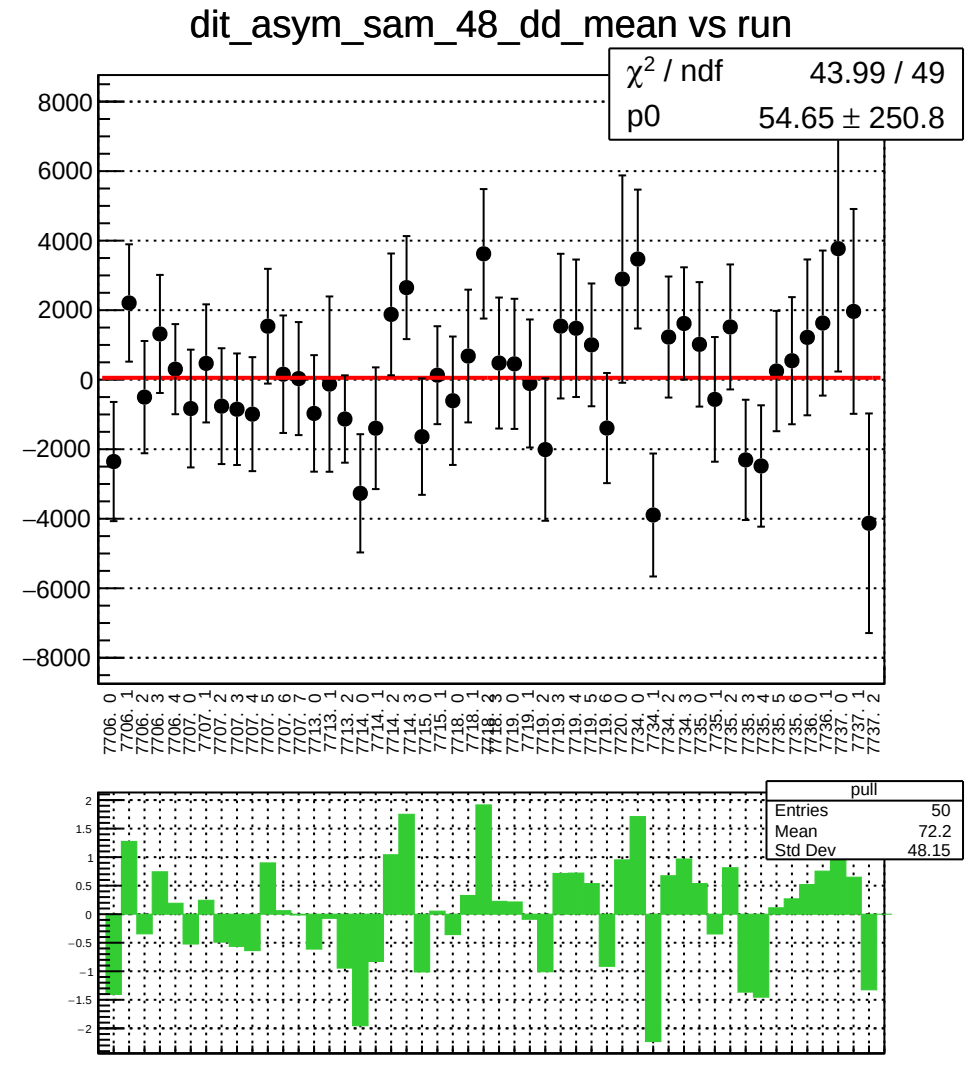

pull1D
Entries 50
Mean 0.04568
Std Dev 0.7727
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

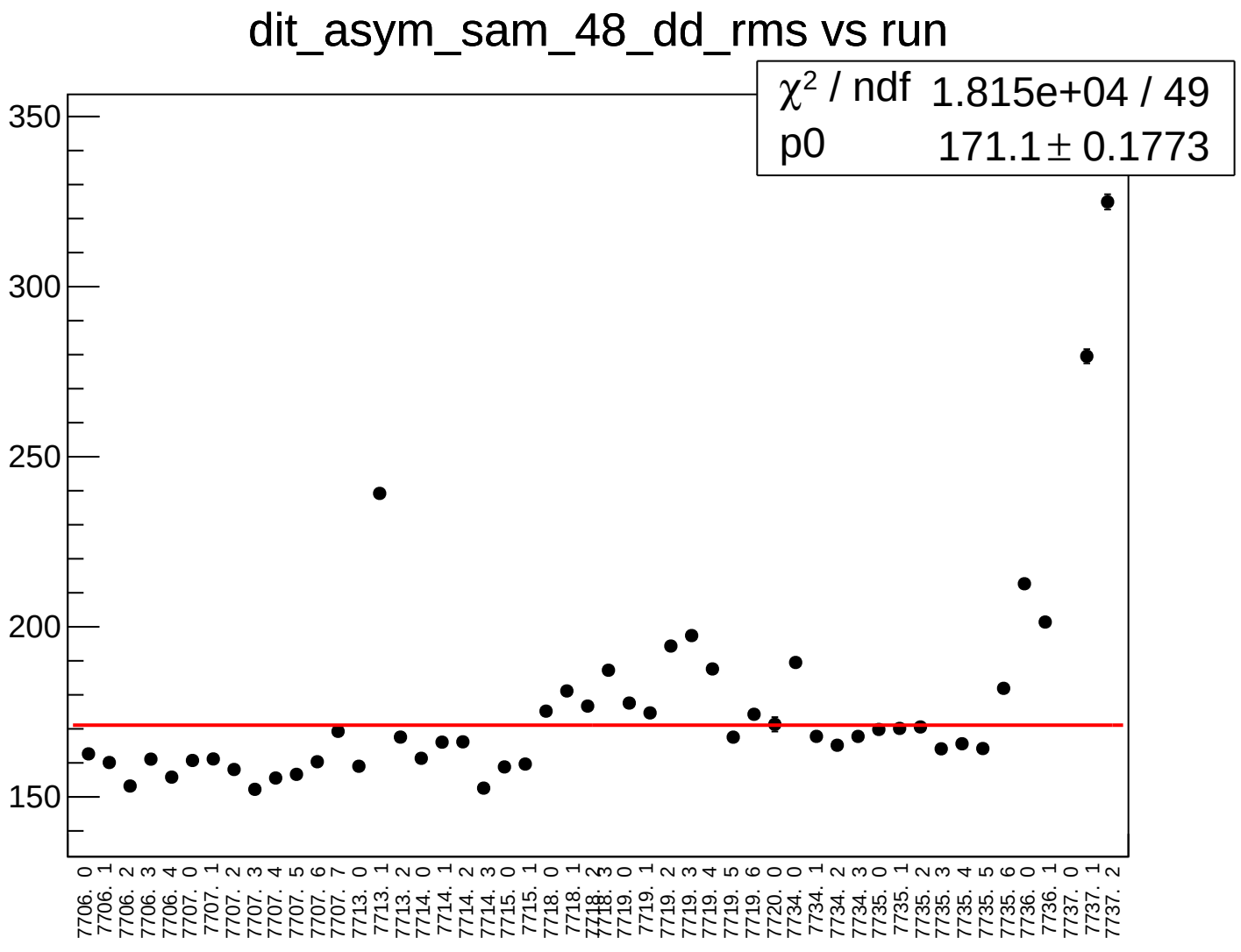

asym_sam_37_dd_correction_rms vs run
χ² / ndf 9.705e+04 / 49
p0 703.6 ± 0.7624
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

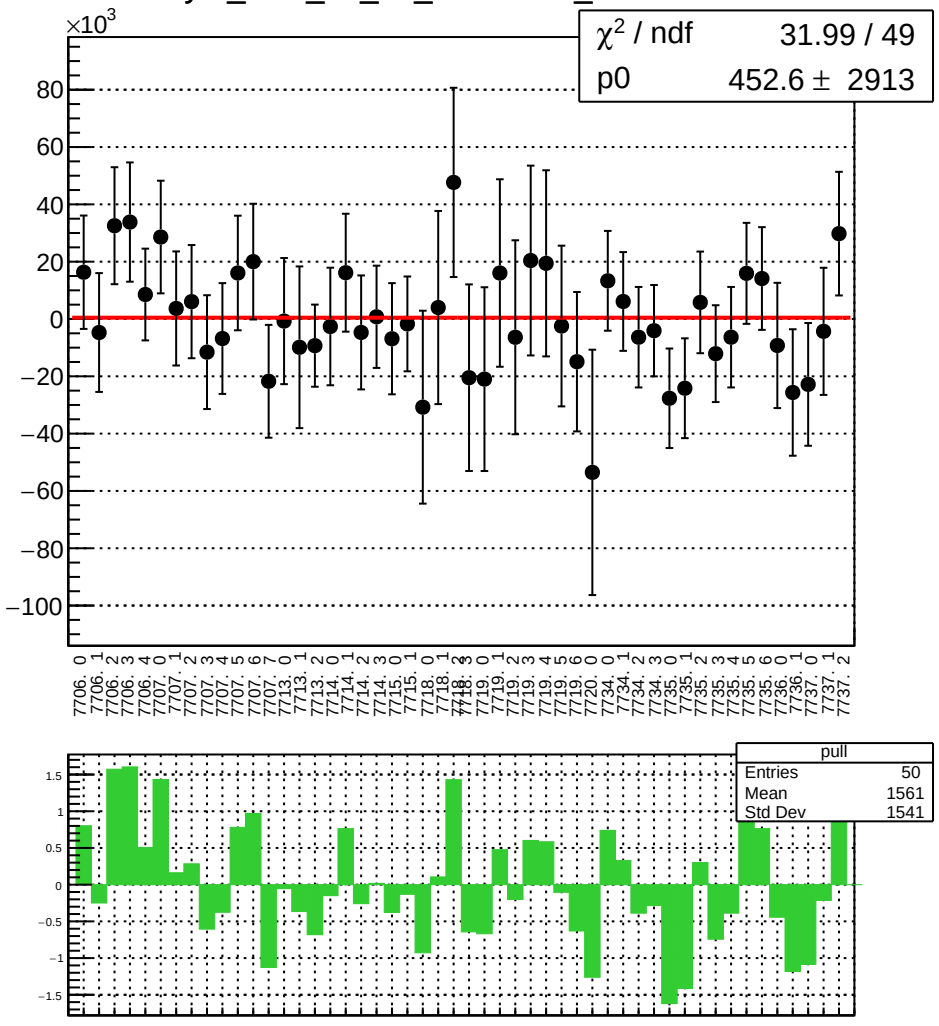

asym_sam_37_dd_mean vs run
χ² / ndf 32.16 / 49
p0 809.9 ± 1102
pull
Entries 50
Mean −60.17
Std Dev 78.52

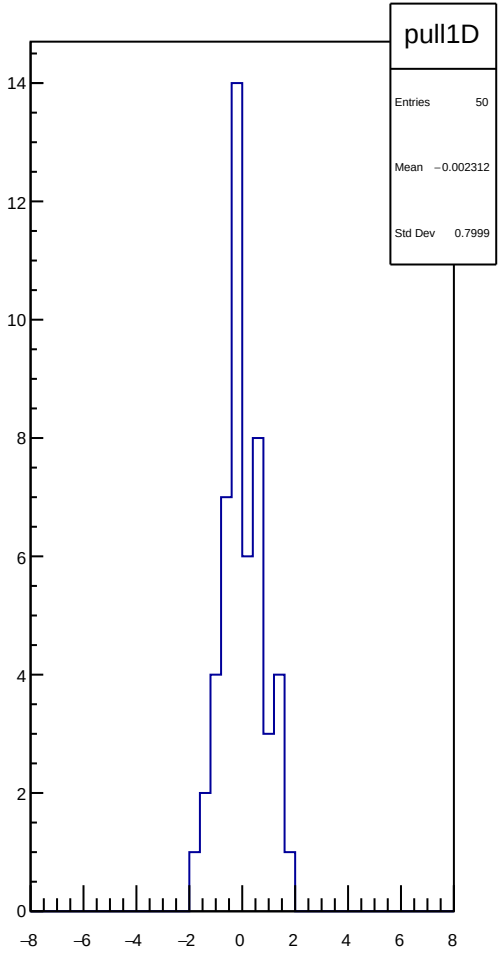

pull1D
Entries 50
Mean −0.03894
Std Dev 0.8011

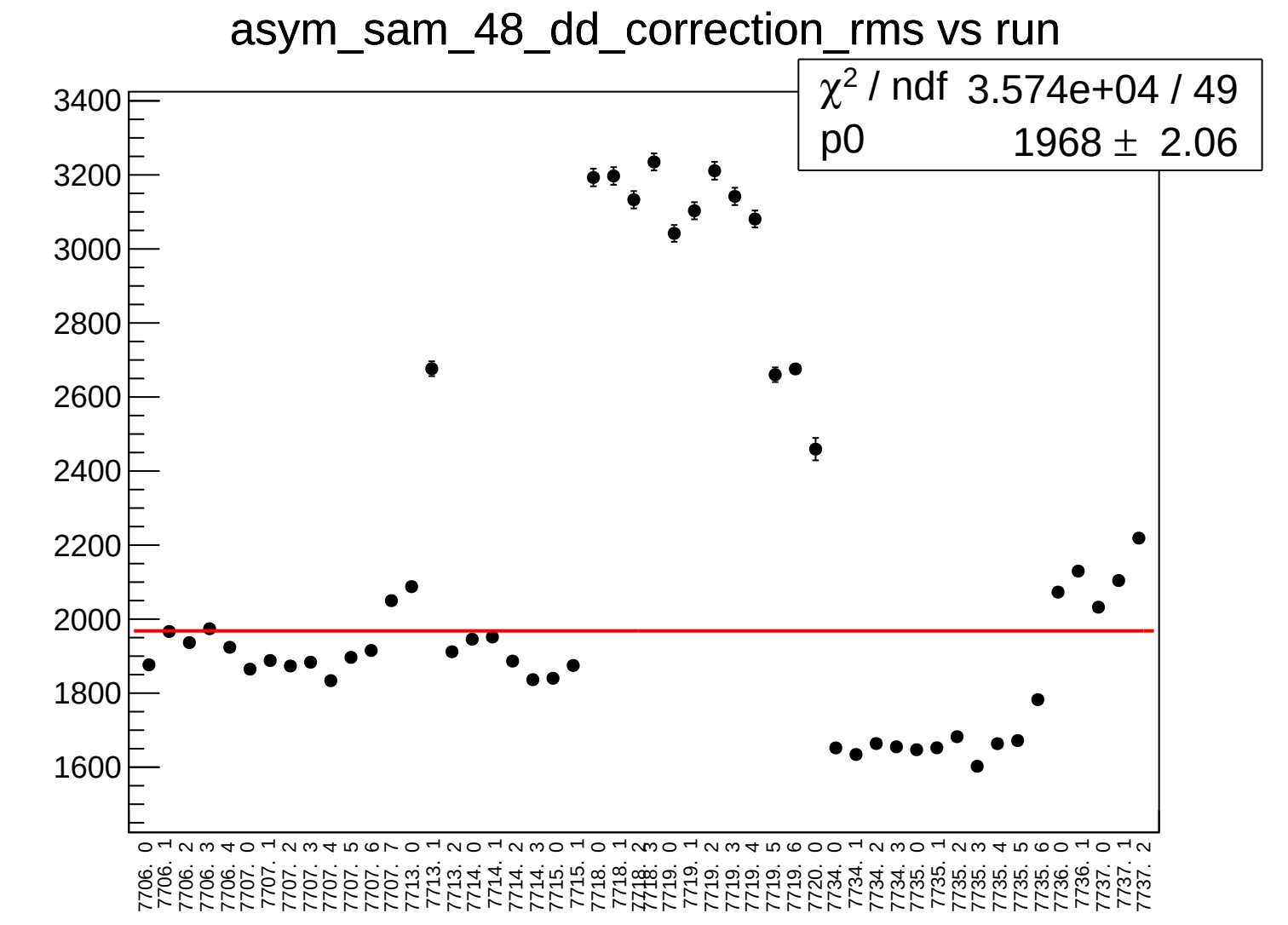

asym_sam_37_dd_rms vs run
χ² / ndf 6.131e+04 / 49
p0 734.1 ± 0.7792
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

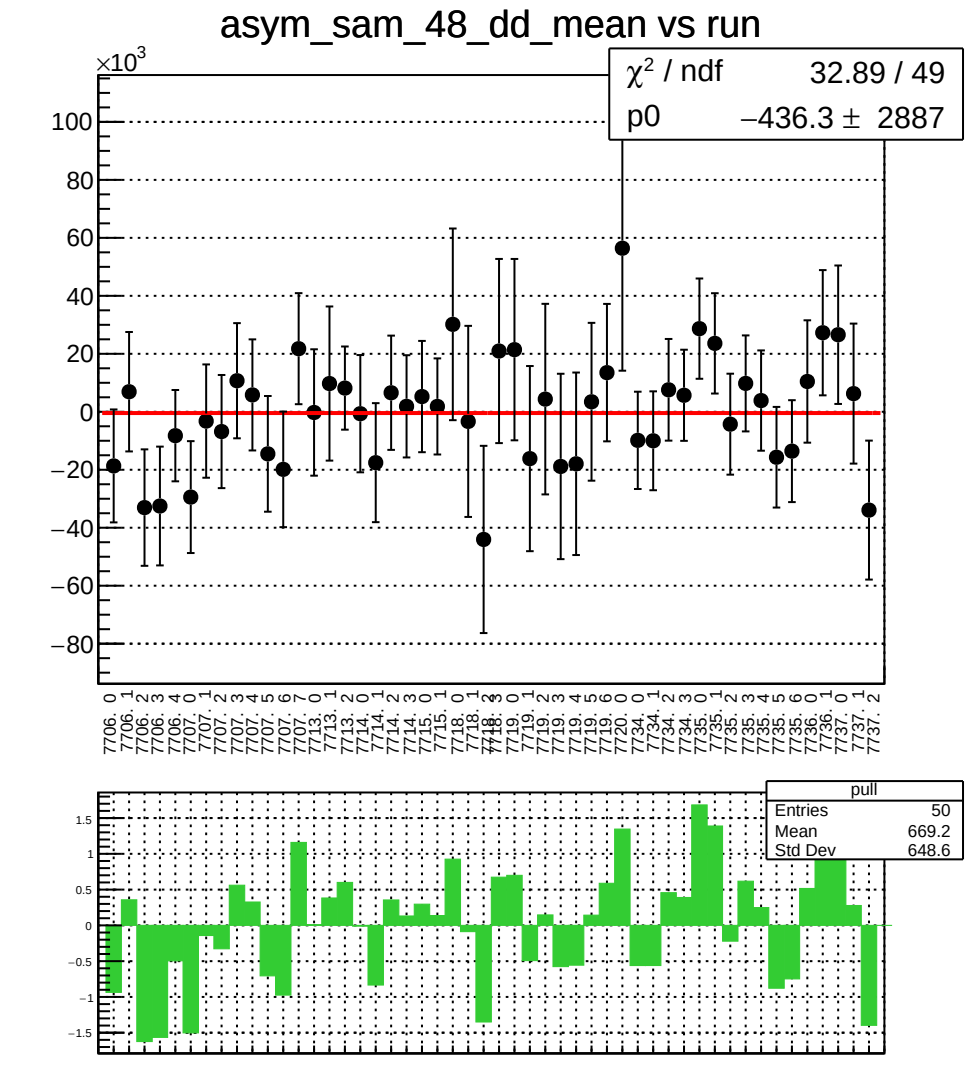

dit_asym_sam_48_dd_mean vs run
χ² / ndf 43.99 / 49
p0 54.65 ± 250.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 72.2
Std Dev 48.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02872
Std Dev 0.9375
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

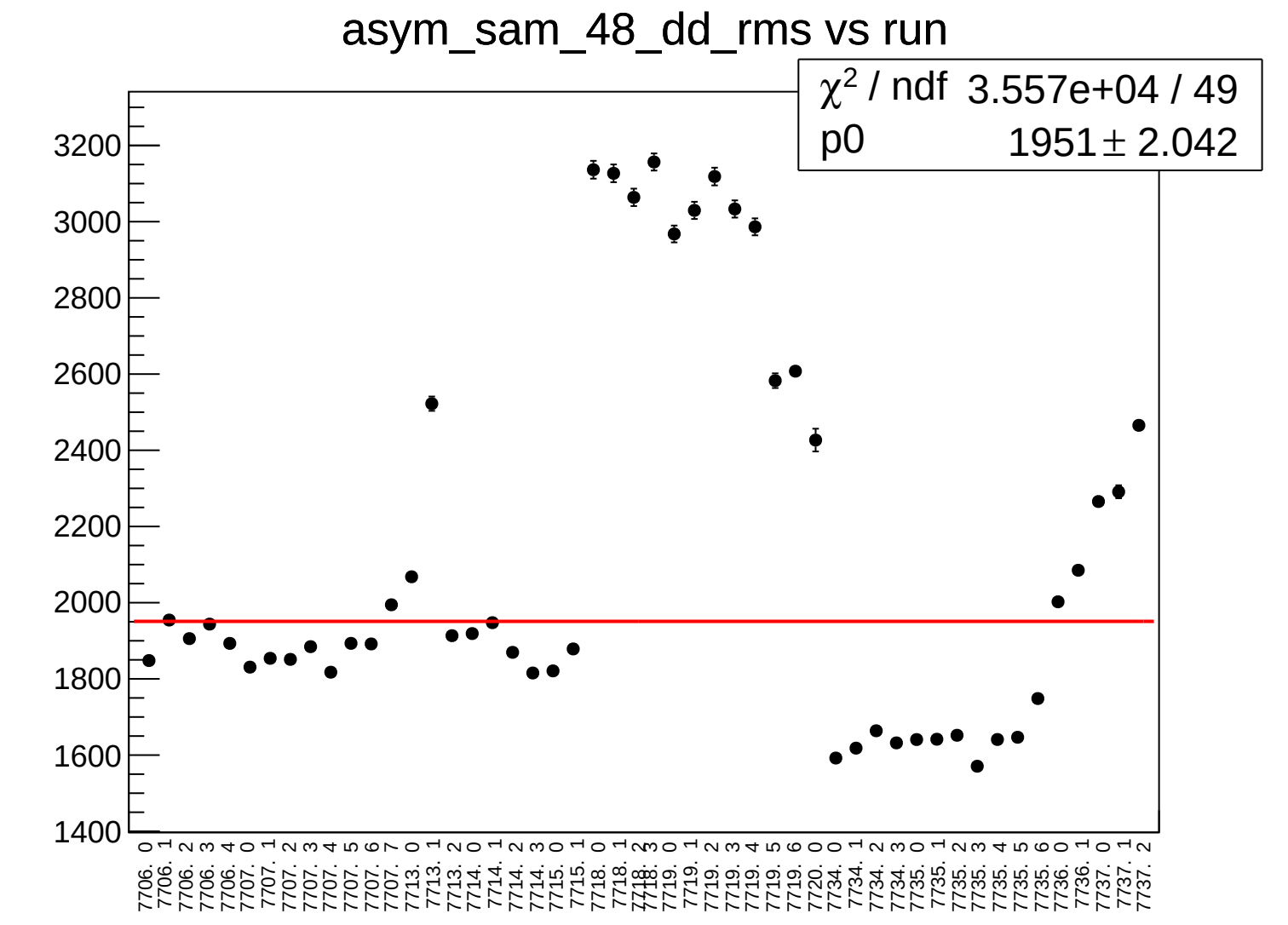

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.815e+04 / 49
p0 171.1 ± 0.1773
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

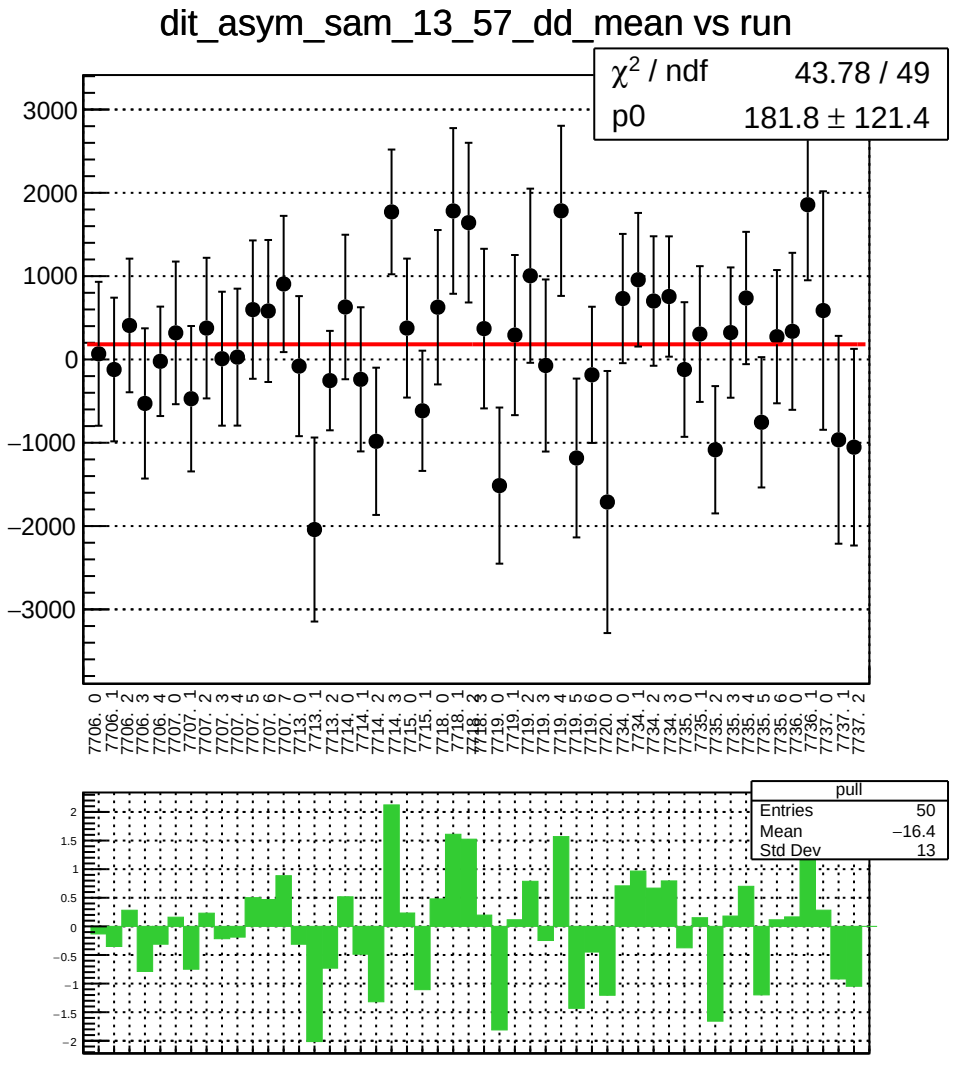

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 31.99 / 49
p0 452.6 ± 2913
pull
Entries 50
Mean 1561
Std Dev 1541

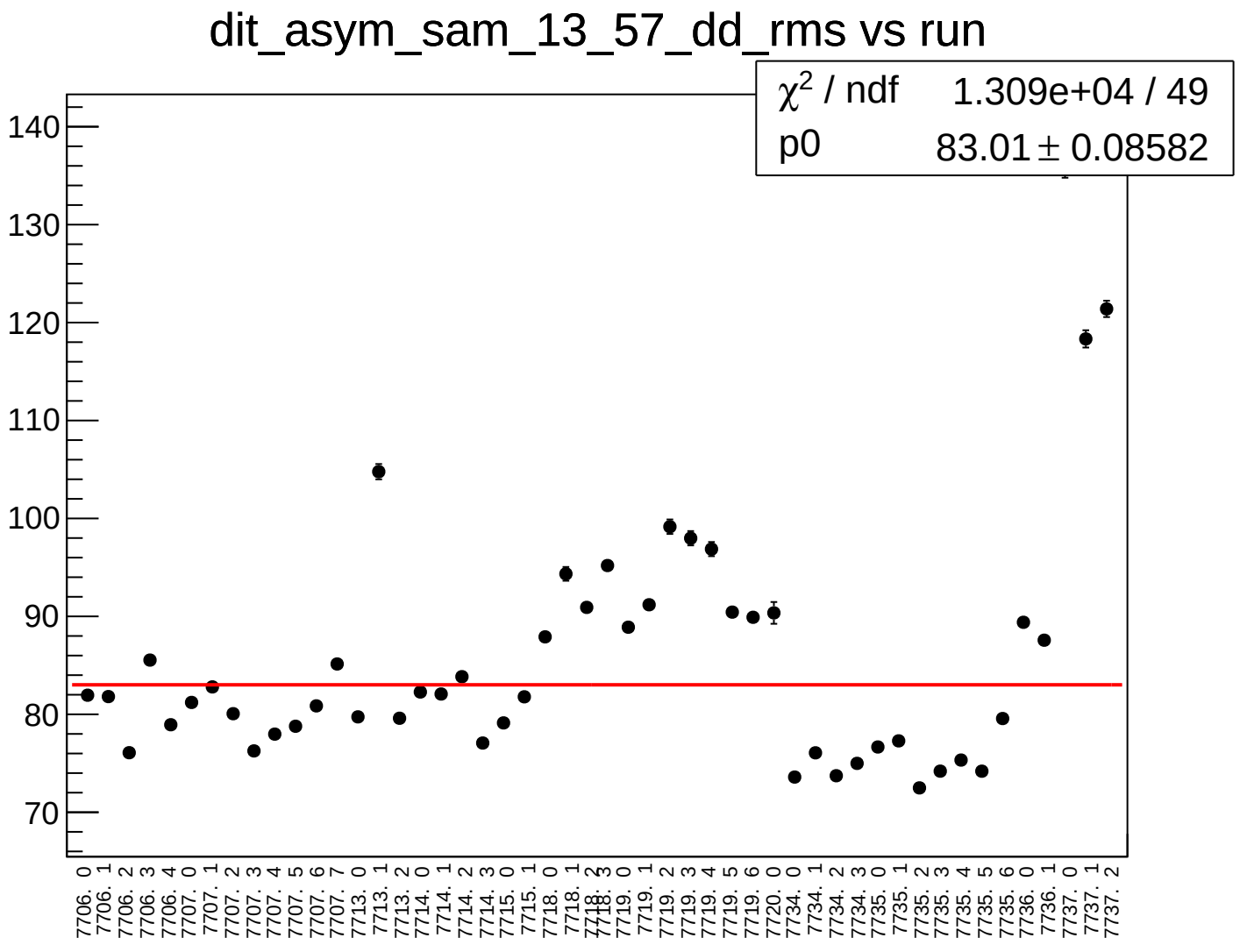

pull1D
Entries 50
Mean −0.002312
Std Dev 0.7999

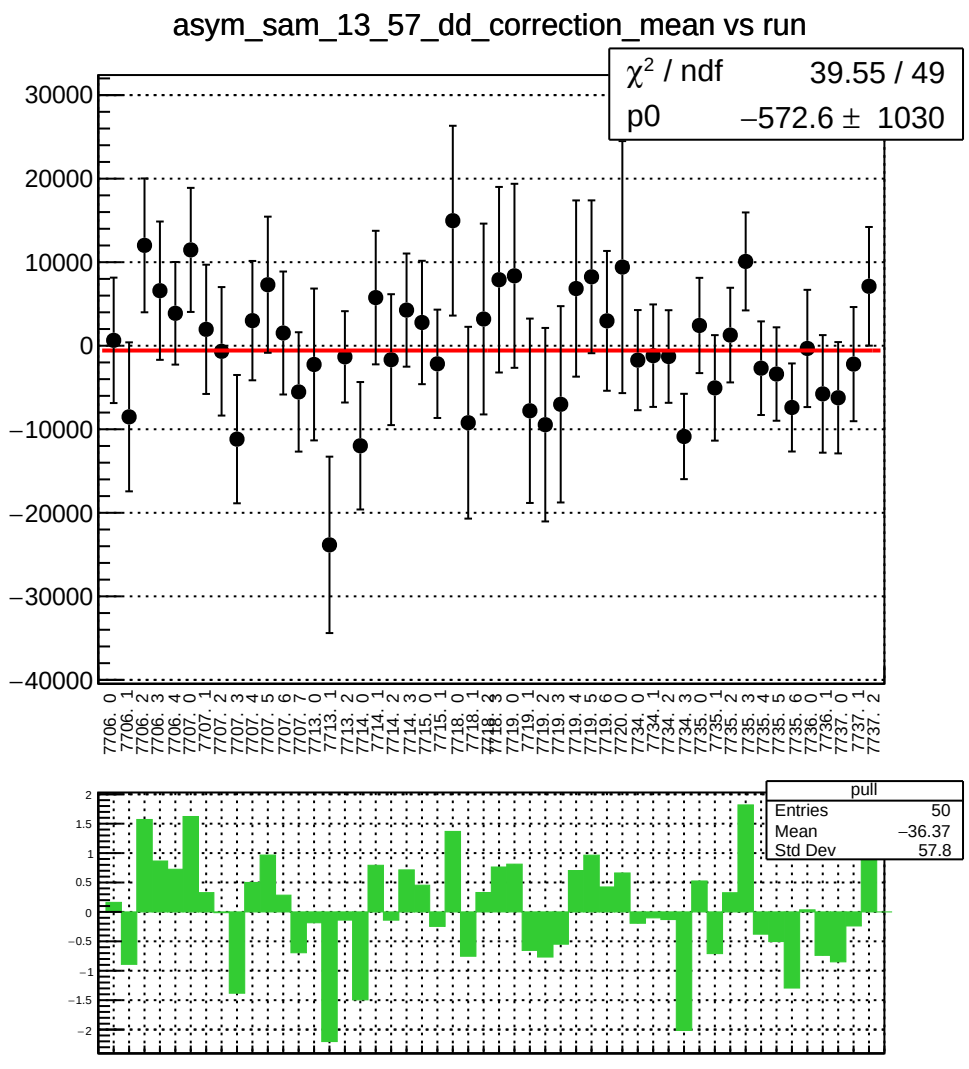

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3.574e+04 / 49
p0 1968 ± 2.06
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

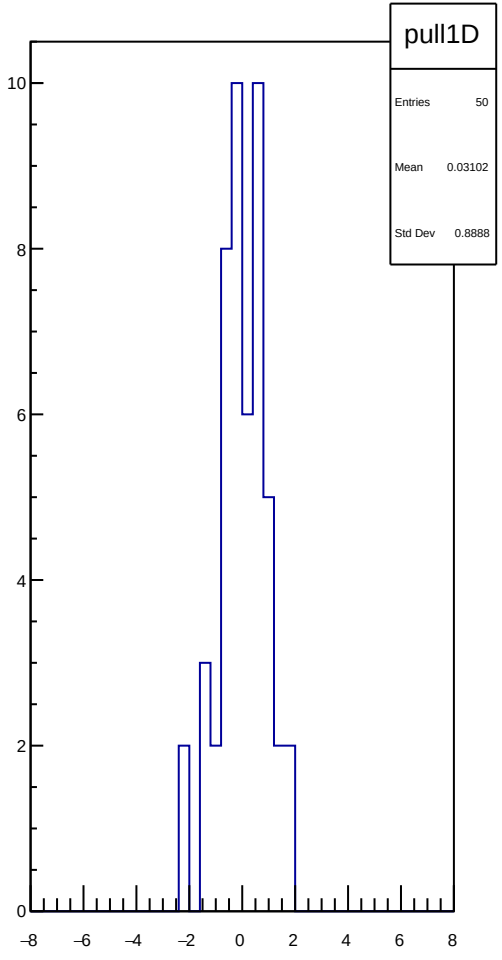

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 32.89 / 49
p0 −436.3 ± 2887
100
80
60
40
20
0
−20
−40
−60
−80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 669.2
Std Dev 648.6
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.005807
Std Dev 0.8111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

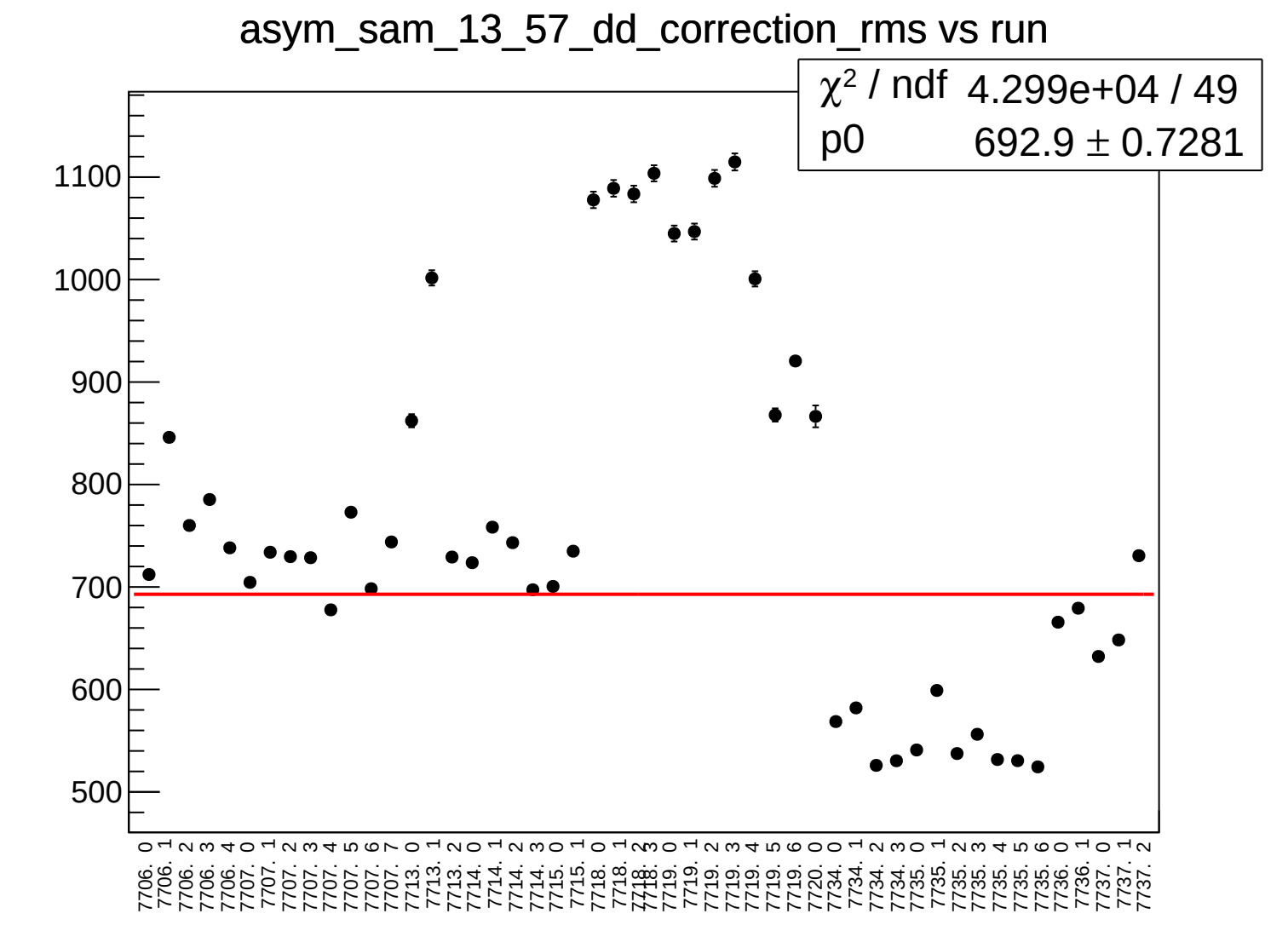

asym_sam_48_dd_rms vs run
χ² / ndf 3.557e+04 / 49
p0 1951 ± 2.042
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

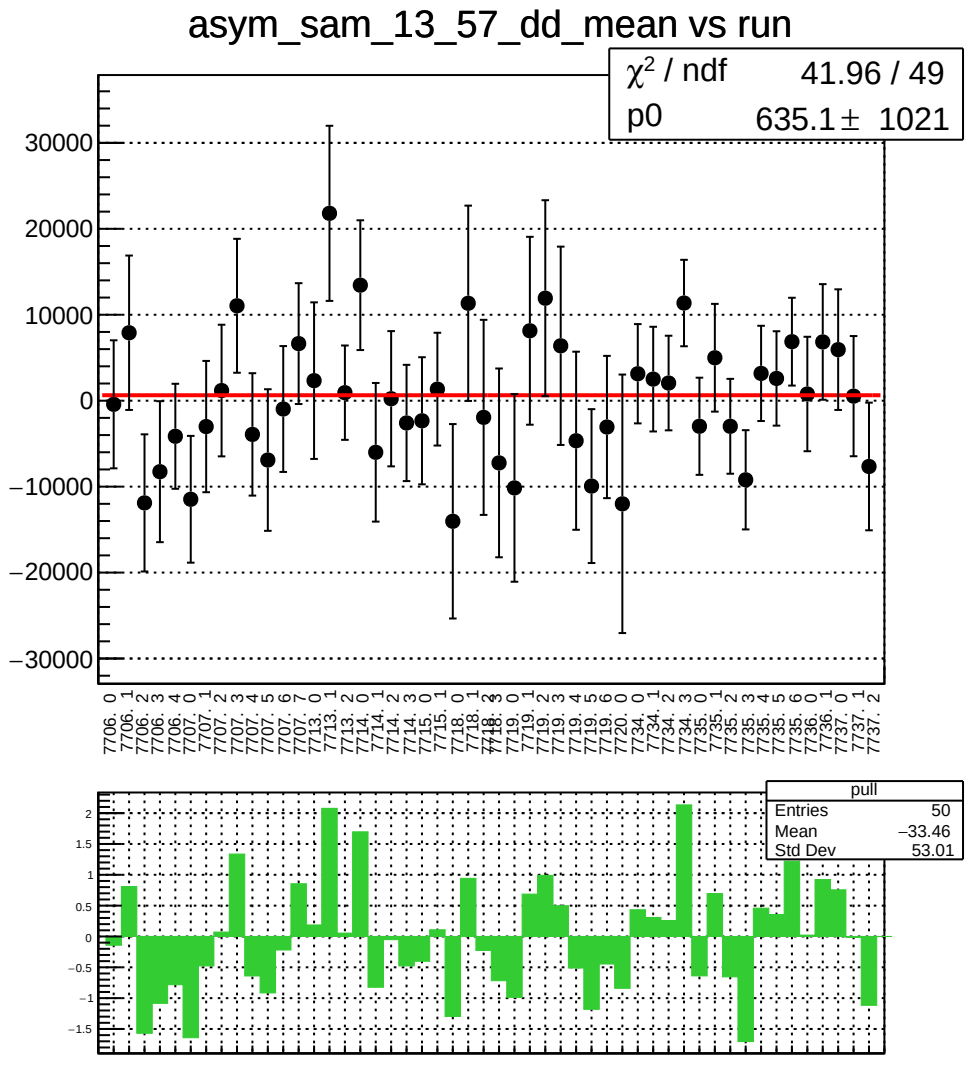

dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 43.78 / 49
p0 181.8 ± 121.4
3000
2000
1000
0
−1000
−2000
−3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −16.4
Std Dev 13
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01531
Std Dev 0.9356
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

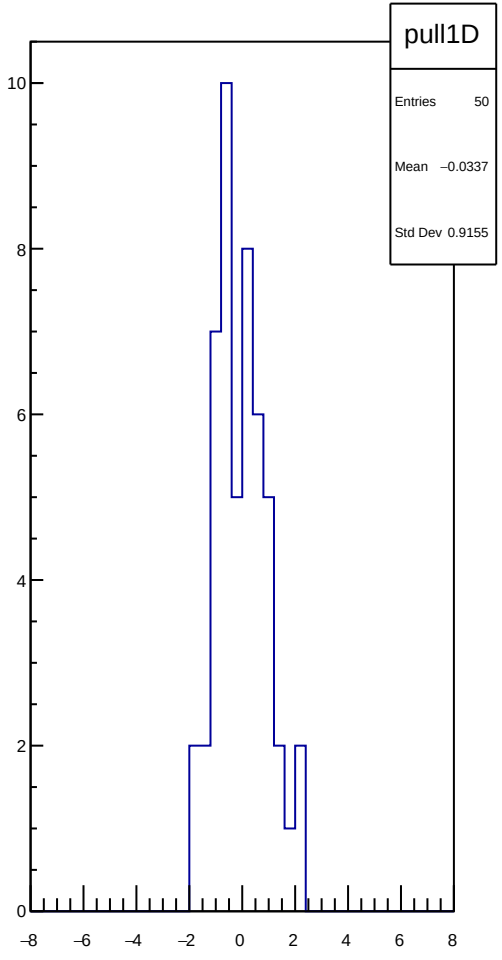

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1.309e+04 / 49
p0 83.01 ± 0.08582
140
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

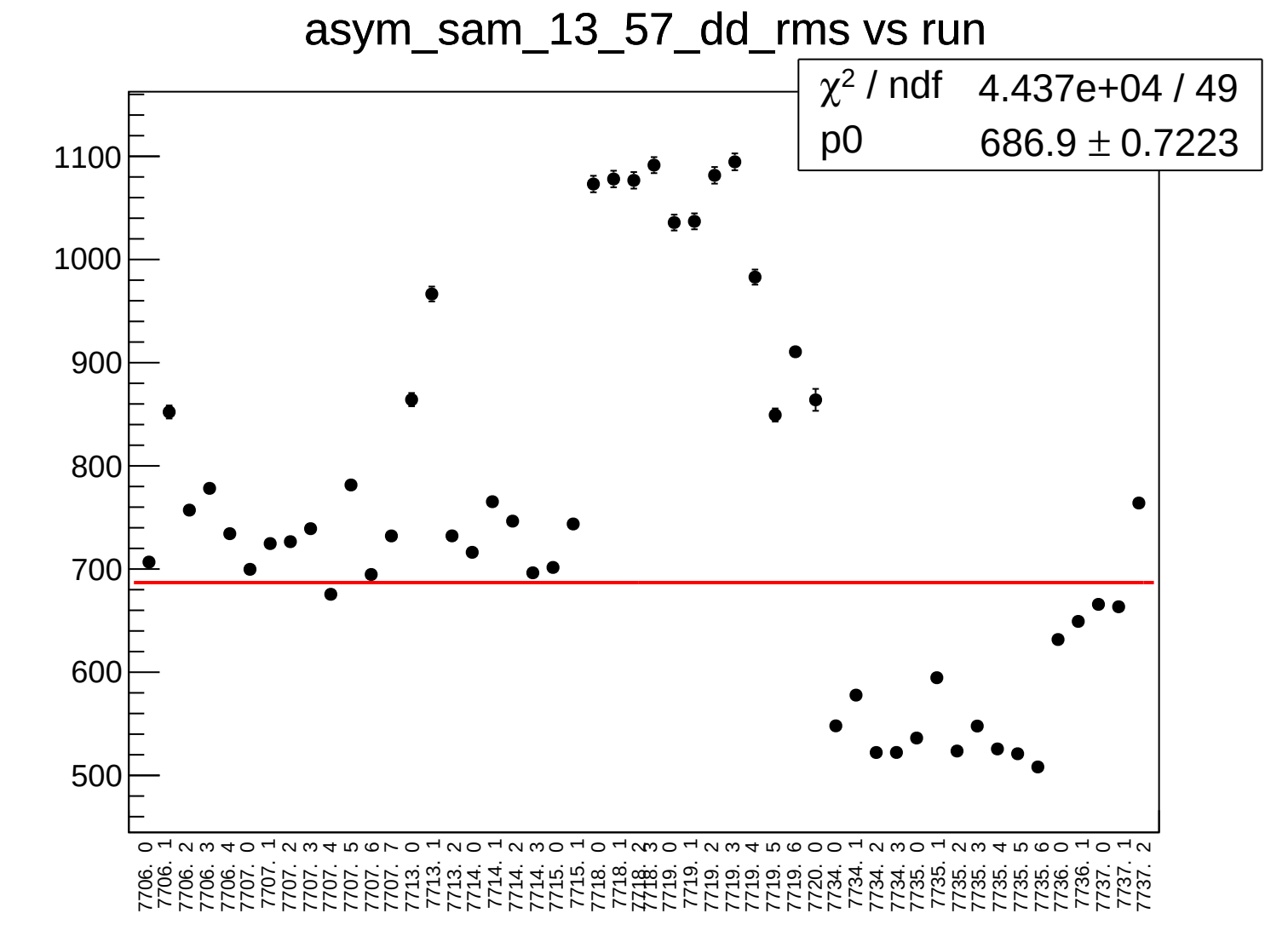

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 39.55 / 49
p0 −572.6 ± 1030
pull
Entries 50
Mean −36.37
Std Dev 57.8

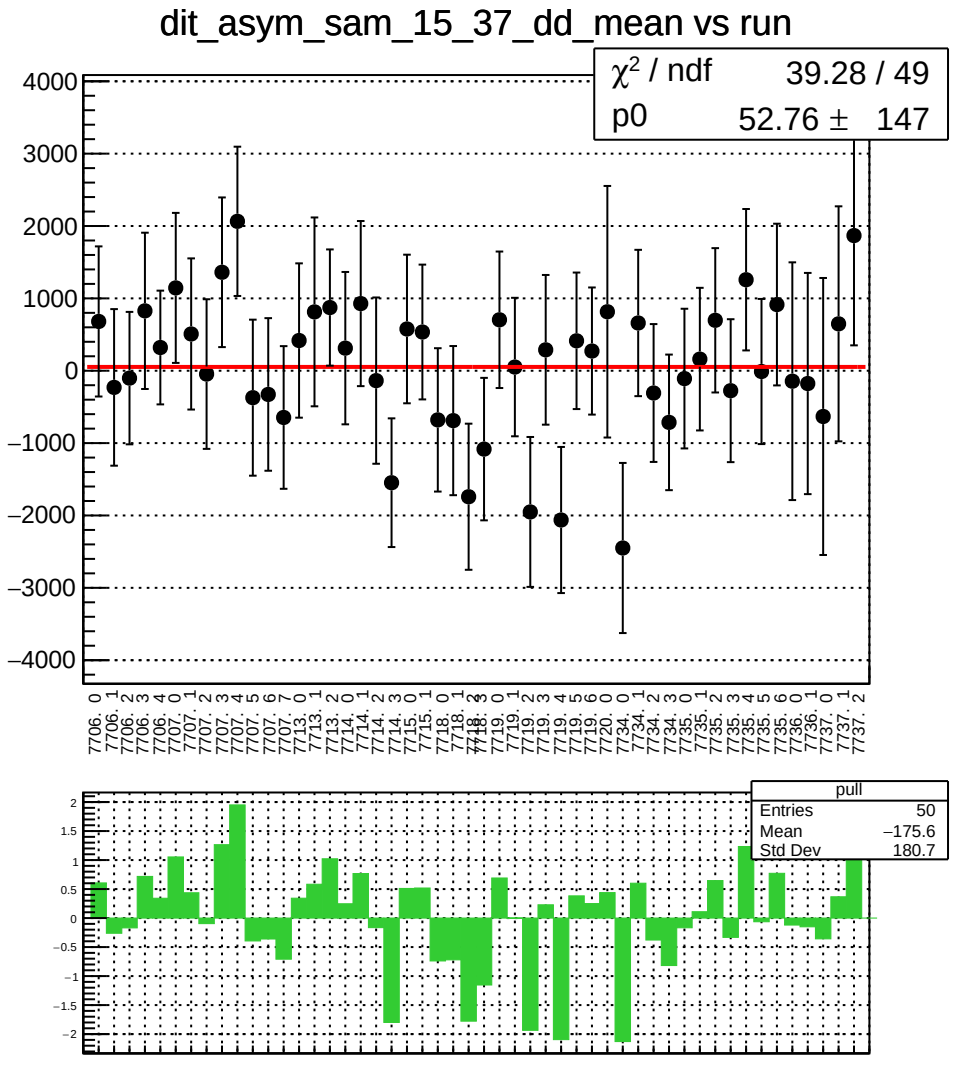

pull1D
Entries 50
Mean 0.03102
Std Dev 0.8888

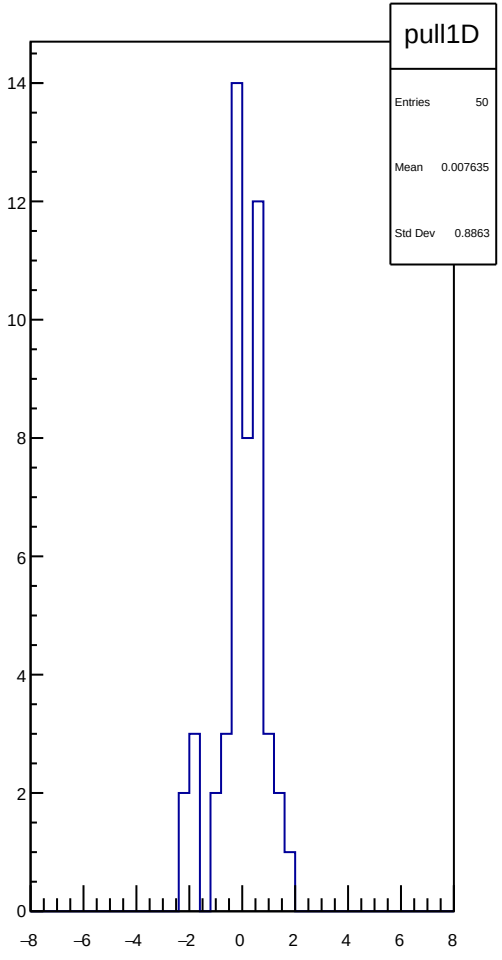

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 4.299e+04 / 49
p0 692.9 ± 0.7281
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

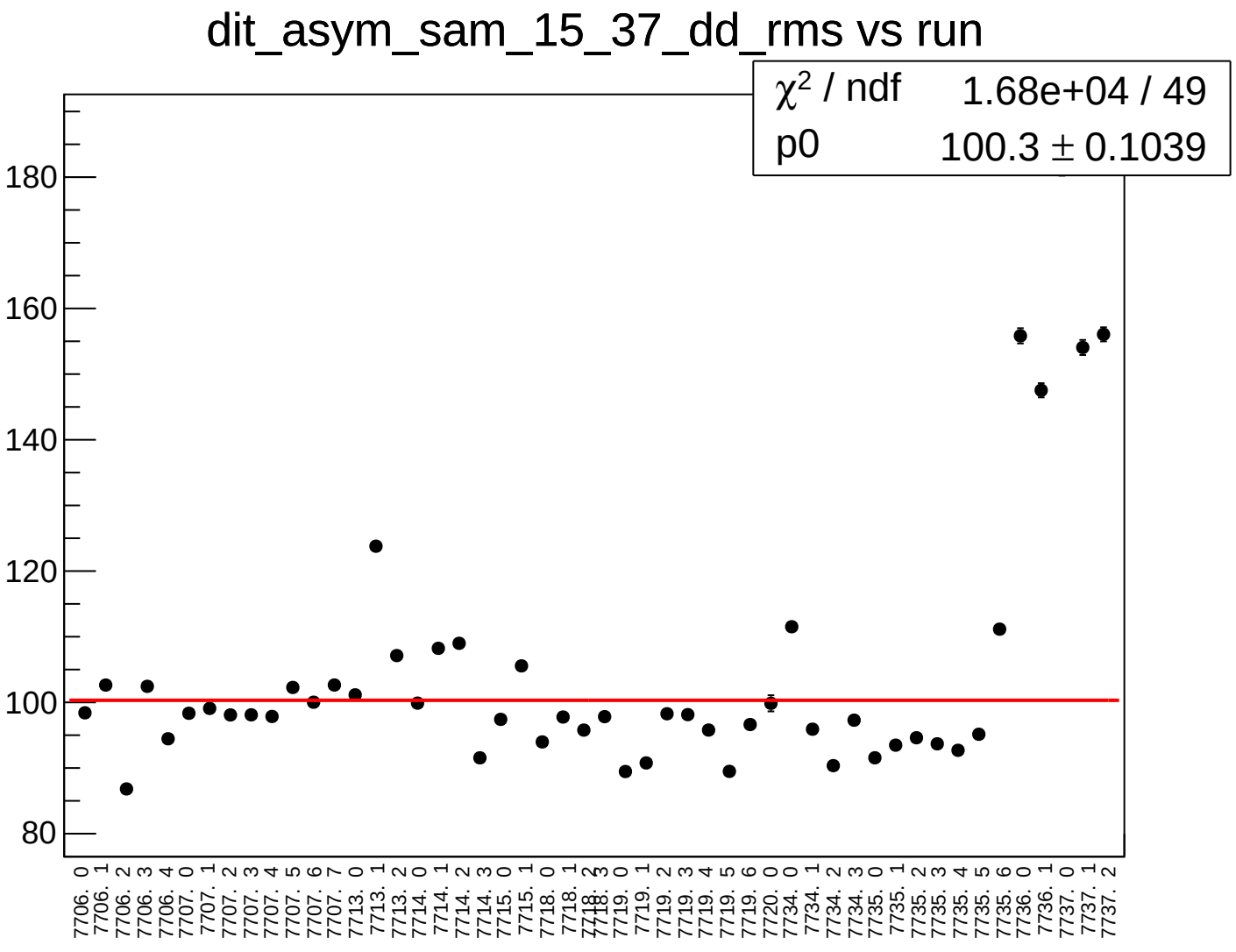

asym_sam_13_57_dd_mean vs run
χ² / ndf 41.96 / 49
p0 635.1 ± 1021
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −33.46
Std Dev 53.01
2
1.5
1
0.5
0
−0.5
−1
−1.5

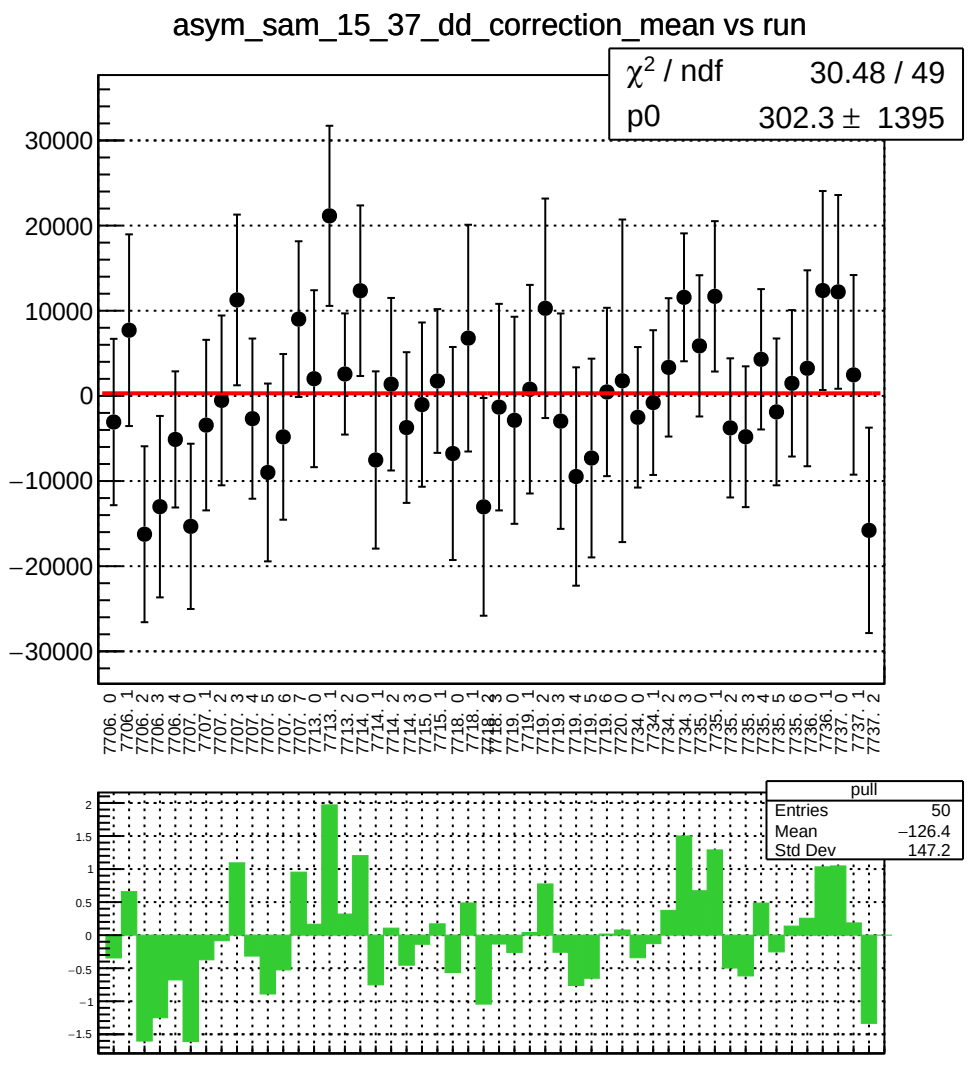

pull1D
Entries 50
Mean −0.0337
Std Dev 0.9155
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

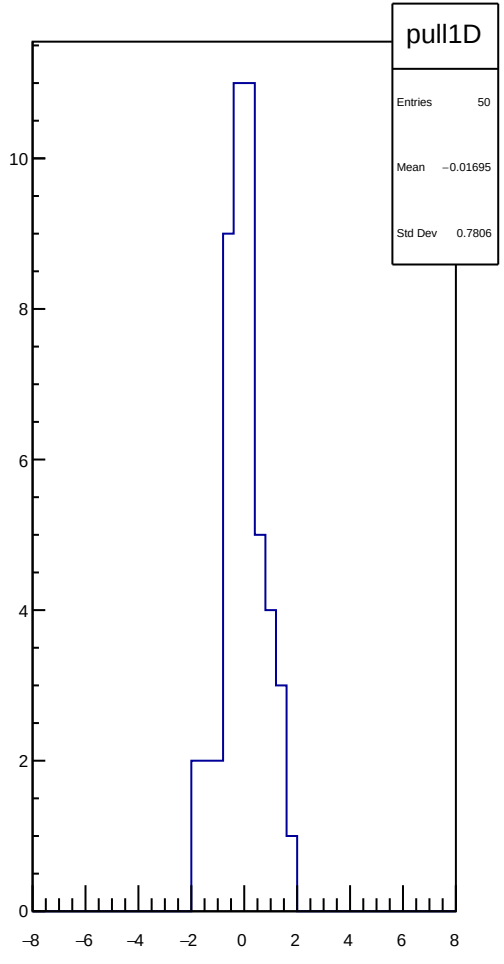

asym_sam_13_57_dd_rms vs run
χ² / ndf 4.437e+04 / 49
p0 686.9 ± 0.7223
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

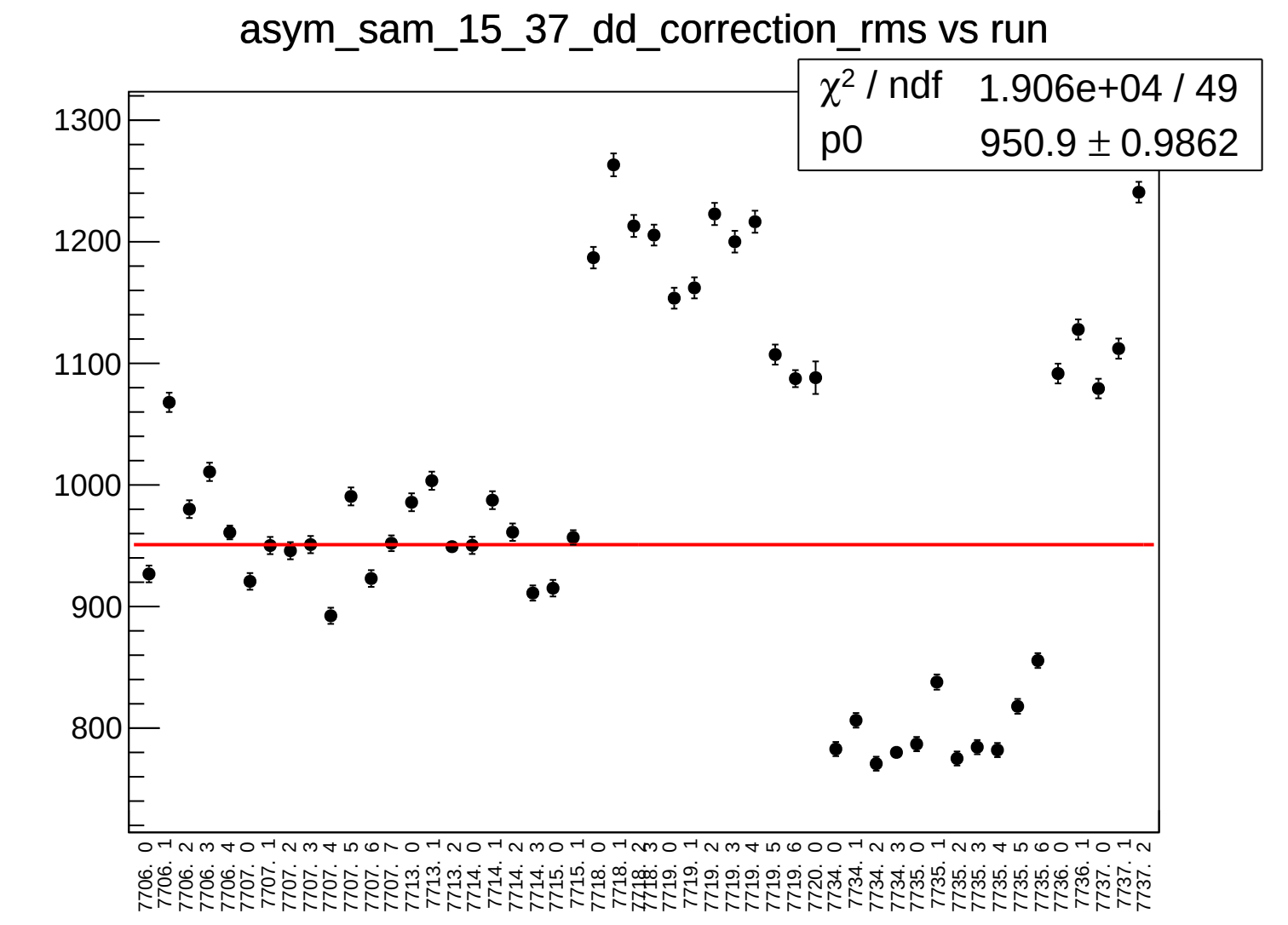

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 39.28 / 49
p0 52.76 ± 147
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −175.6
Std Dev 180.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

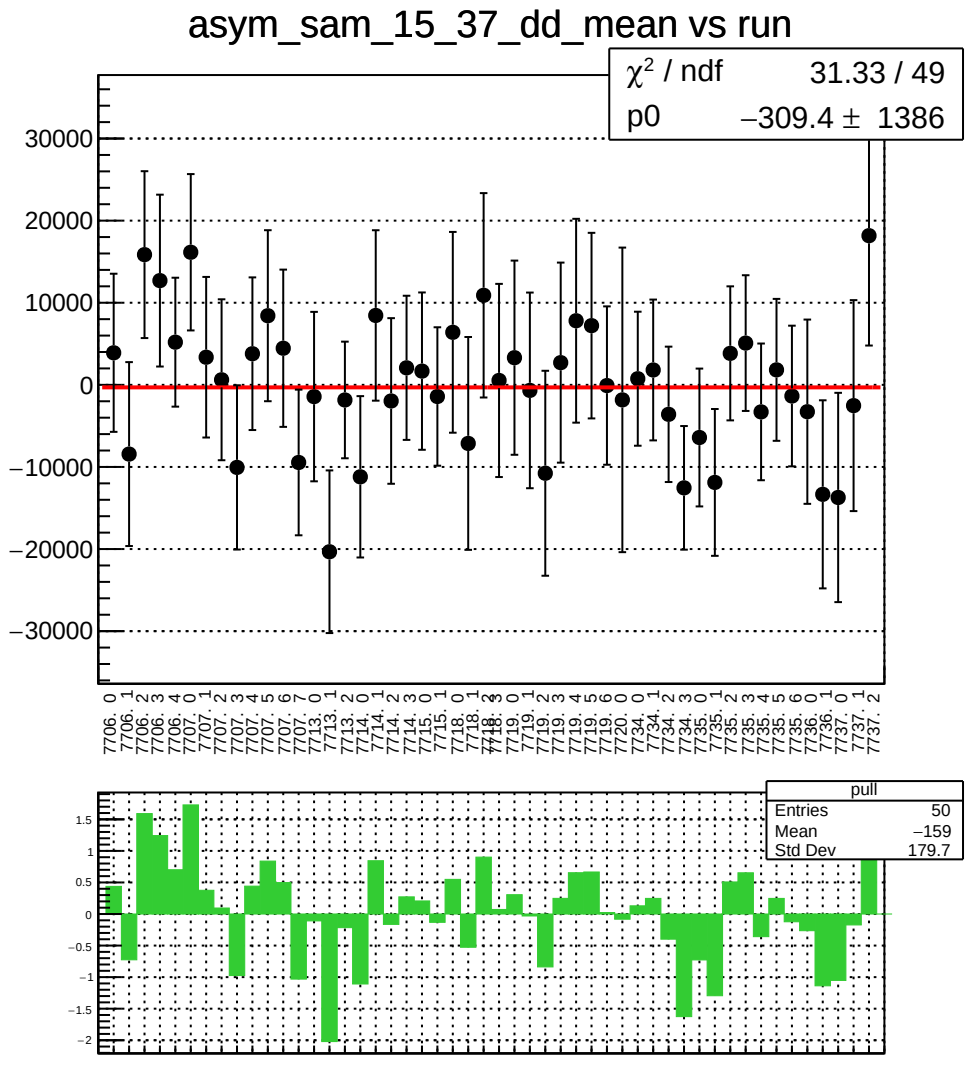

pull1D
Entries 50
Mean 0.007635
Std Dev 0.8863
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

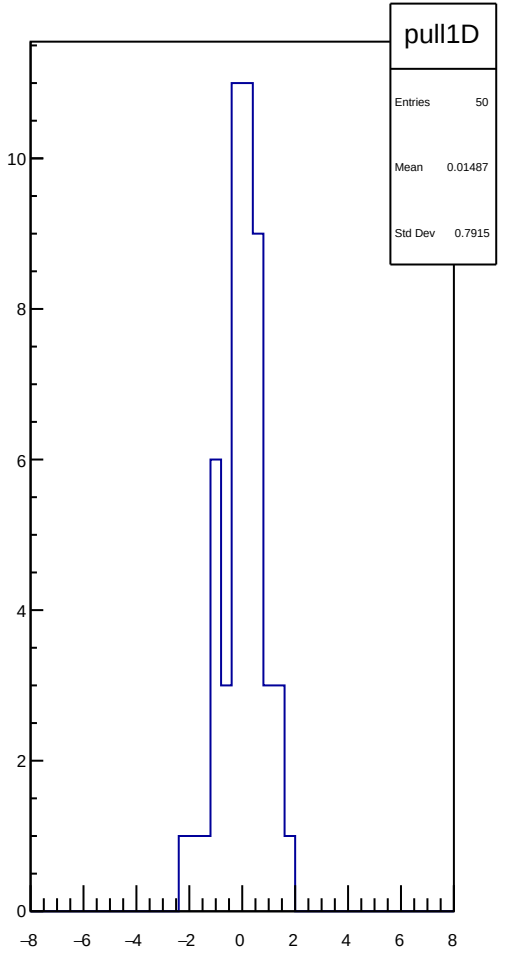

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.68e+04 / 49
p0 100.3 ± 0.1039
180
160
140
120
100
80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

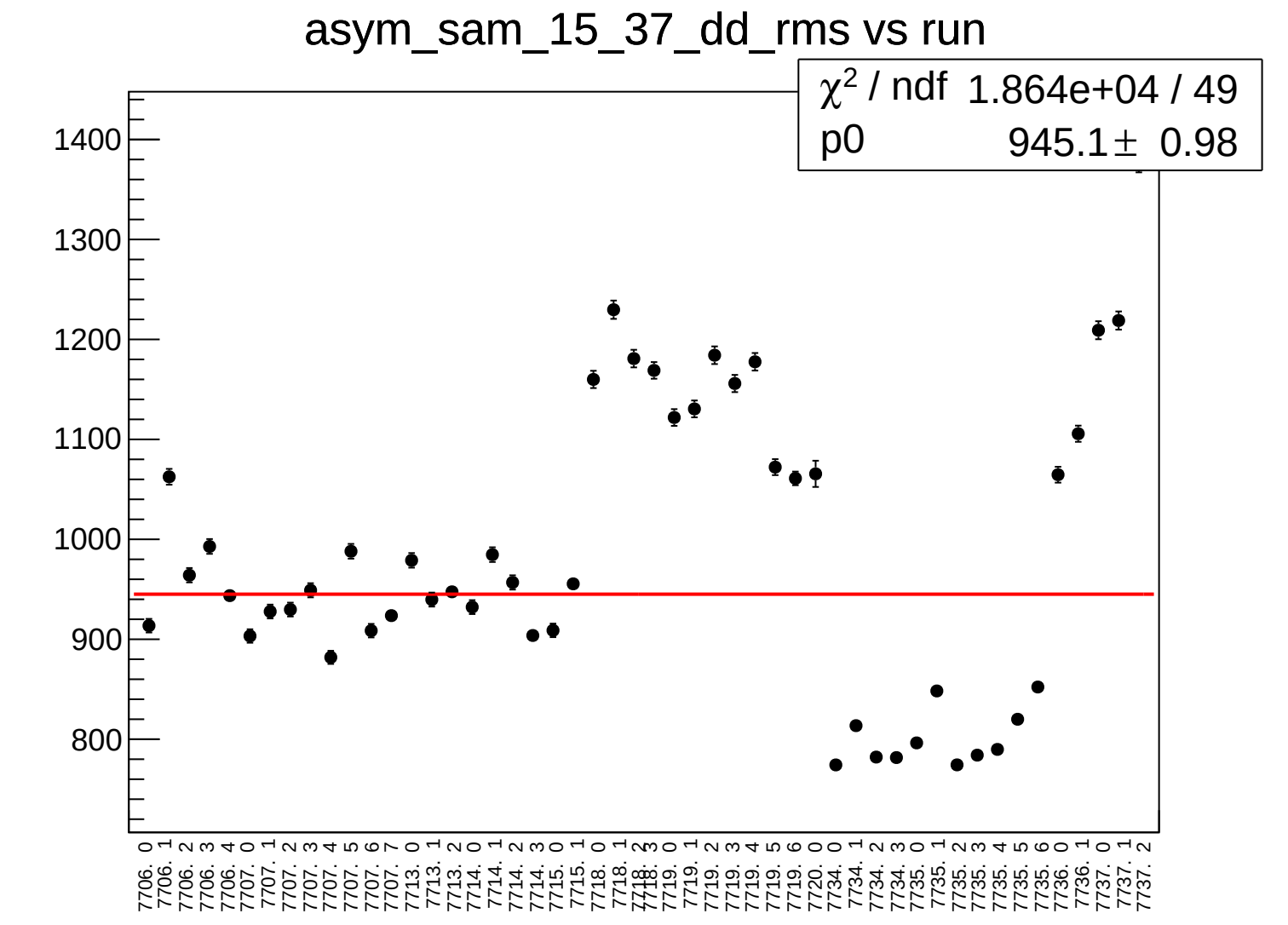

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 30.48 / 49
p0 302.3 ± 1395
pull
Entries 50
Mean −126.4
Std Dev 147.2

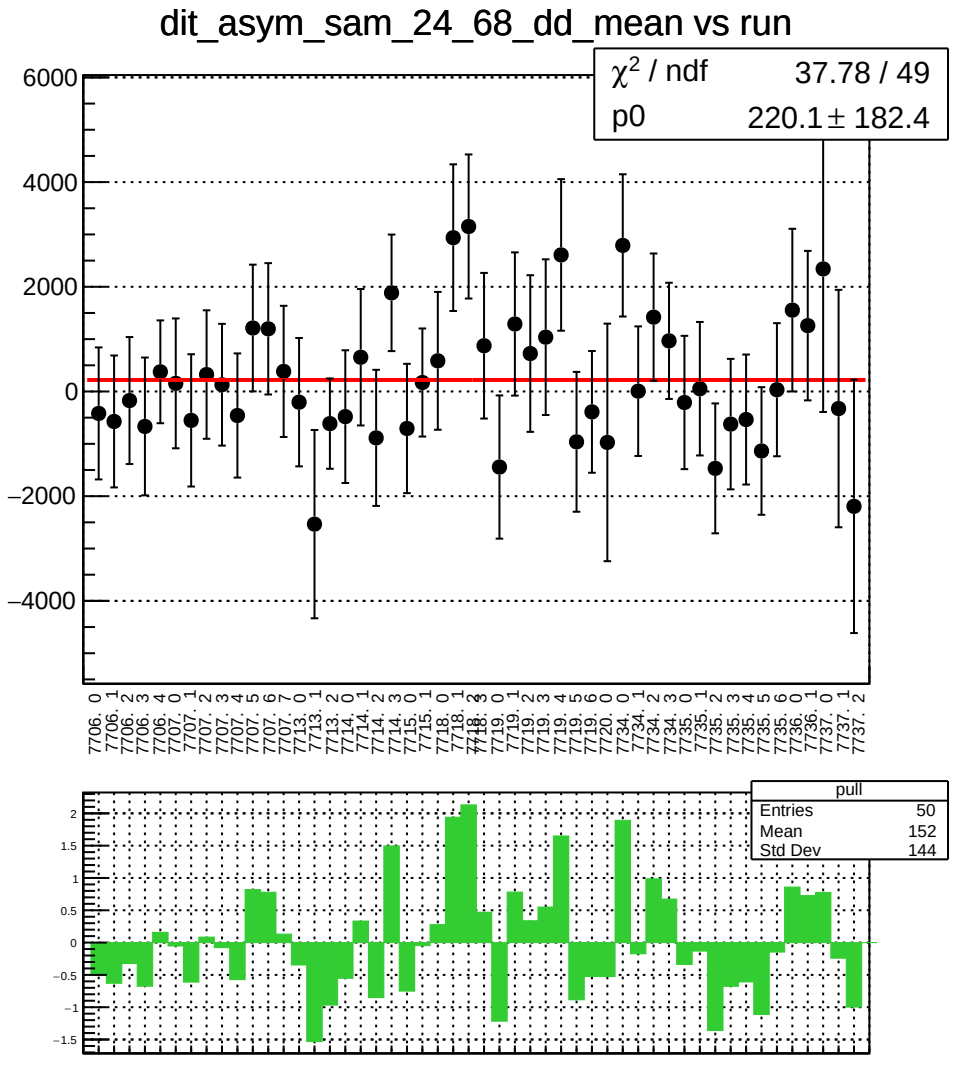

pull1D
Entries 50
Mean −0.01695
Std Dev 0.7806

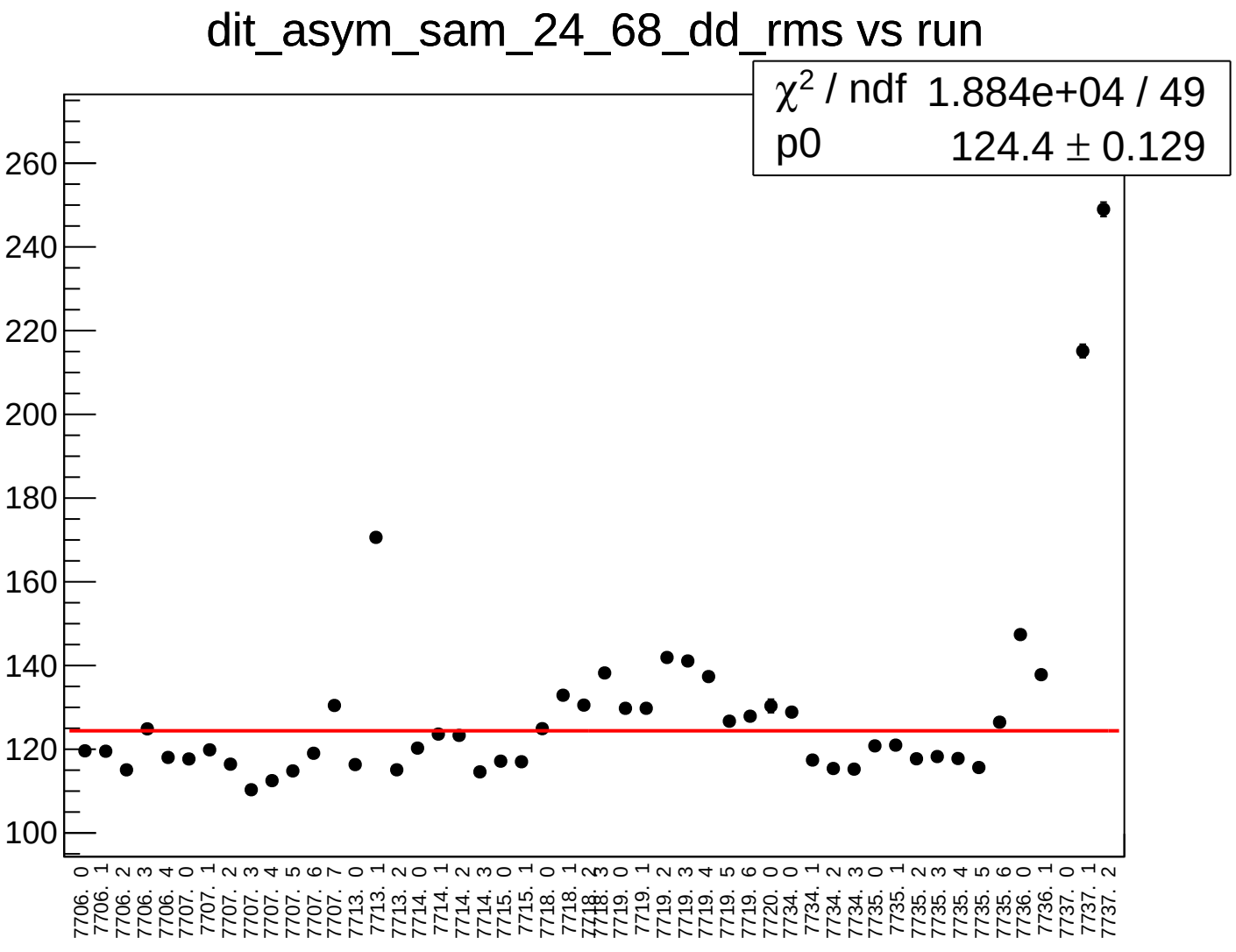

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.906e+04 / 49
p0 950.9 ± 0.9862
1300
1200
1100
1000
900
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

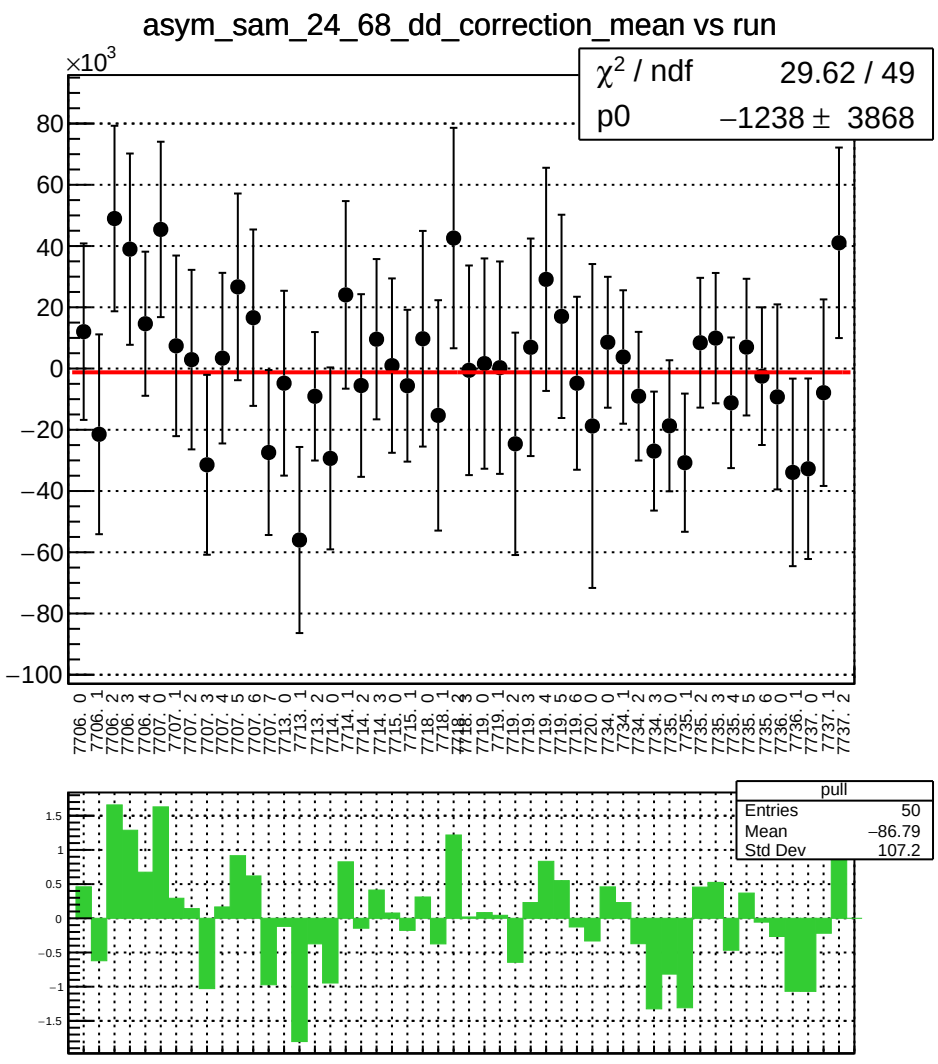

asym_sam_15_37_dd_mean vs run
χ² / ndf 31.33 / 49
p0 −309.4 ± 1386
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −159
Std Dev 179.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

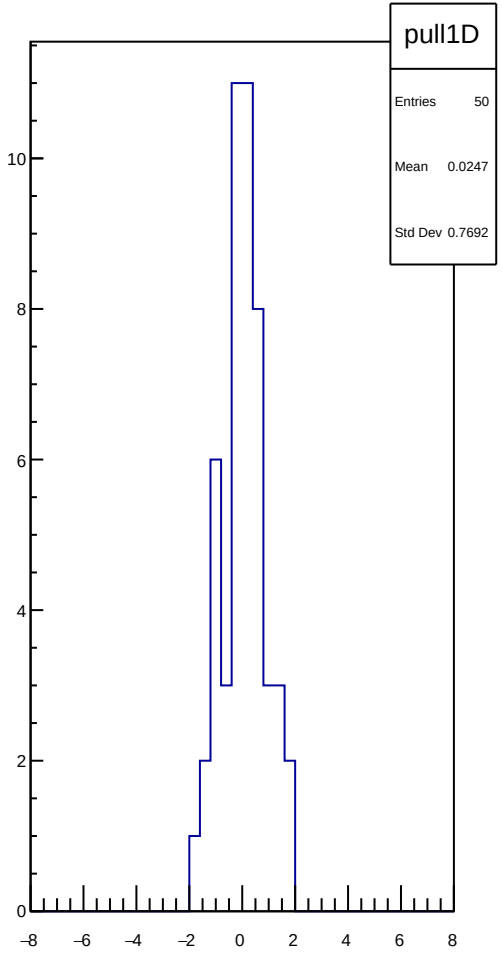

pull1D
Entries 50
Mean 0.01487
Std Dev 0.7915
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

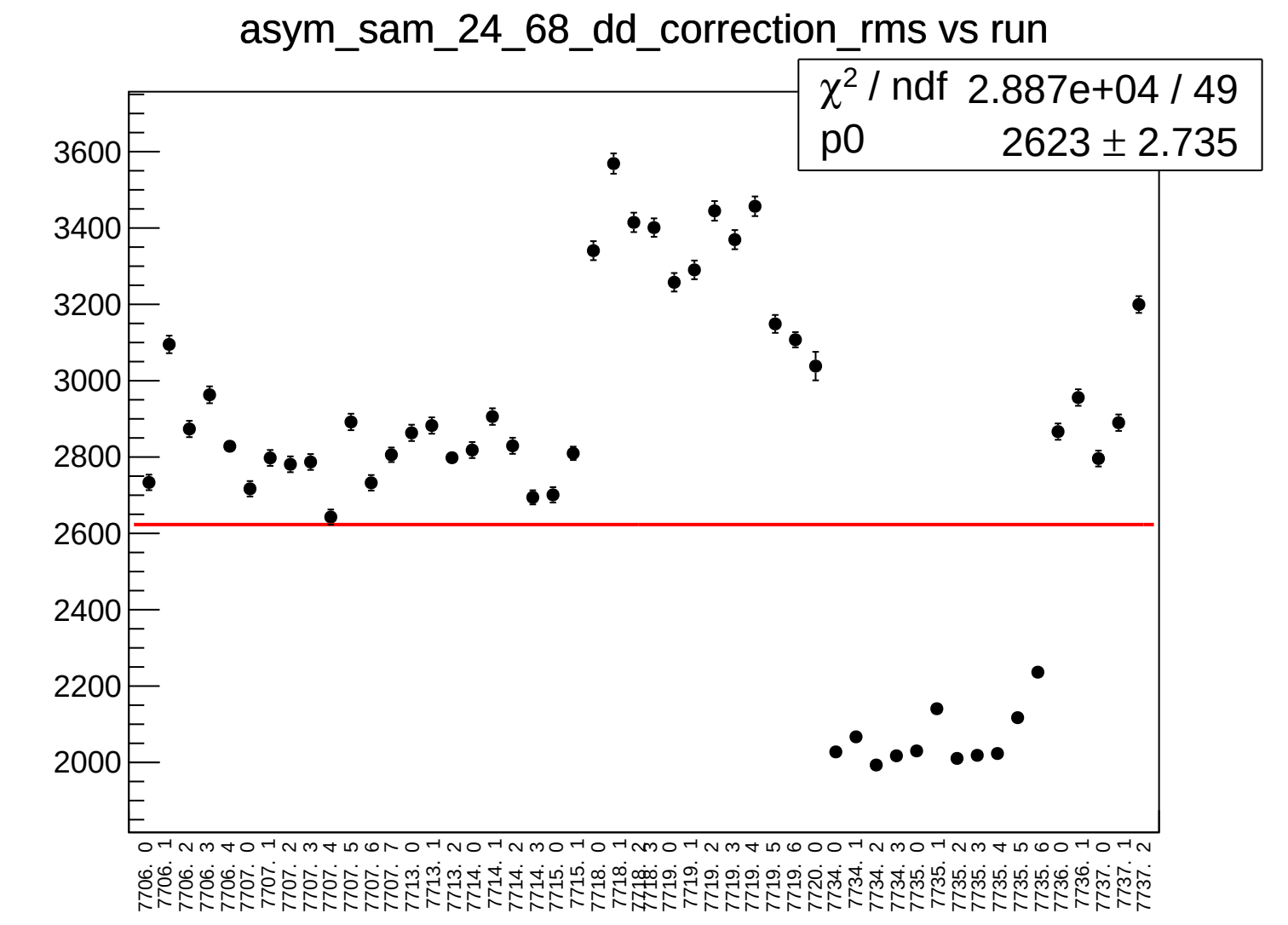

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.864e+04 / 49
p0 945.1 ± 0.98
1400
1300
1200
1100
1000
900
800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

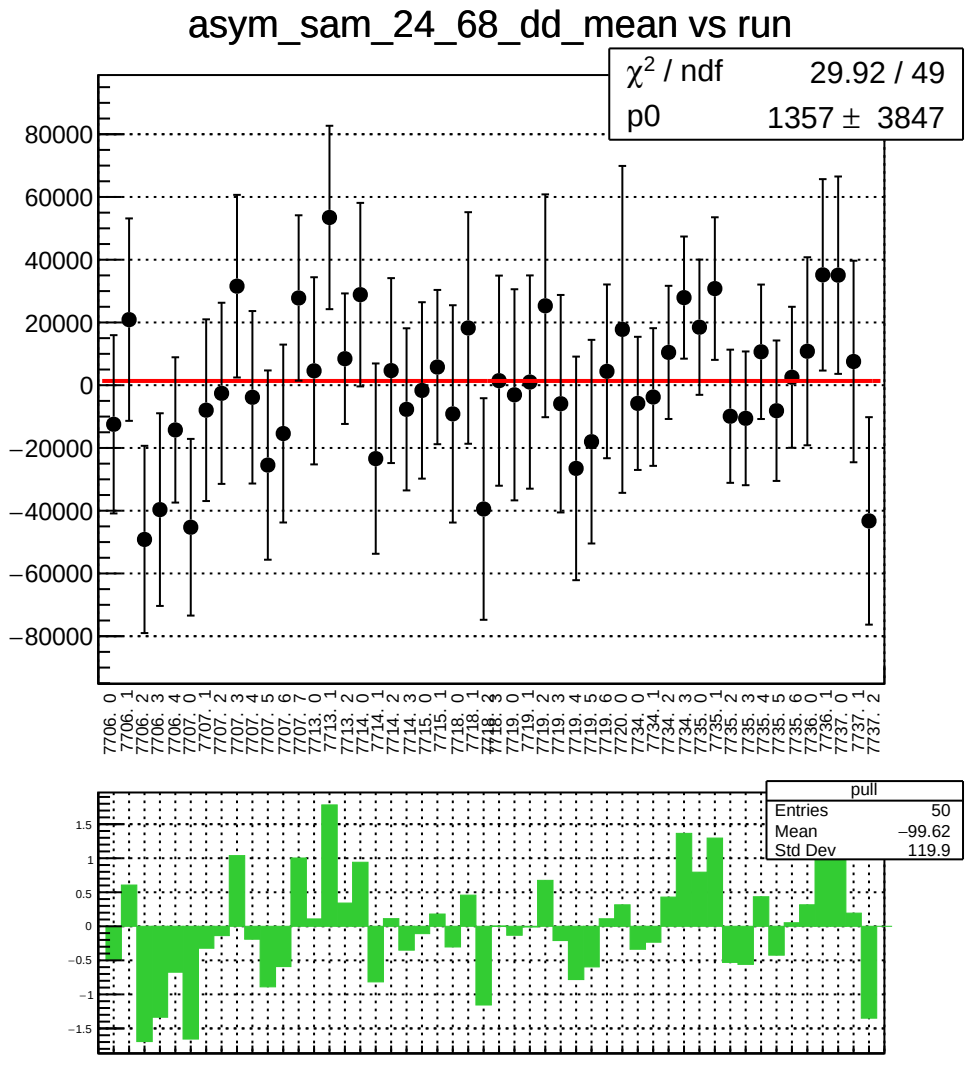

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 37.78 / 49
p0 220.1 ± 182.4
6000
4000
2000
0
−2000
−4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 152
Std Dev 144
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.008348
Std Dev 0.8693
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 1.884e+04 / 49
p0 124.4 ± 0.129
260
240
220
200
180
160
140
120
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

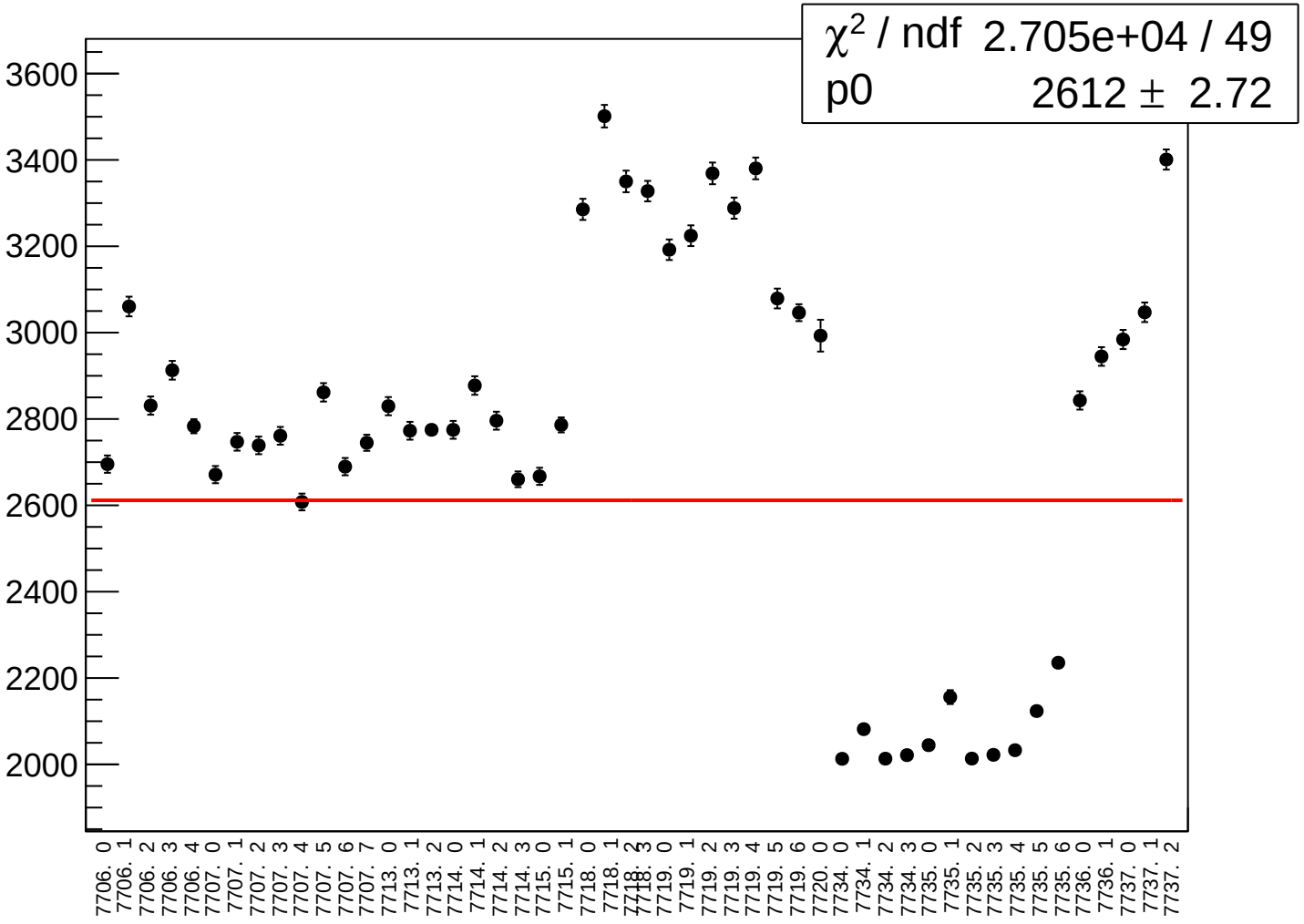

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 29.62 / 49
p0 −1238 ± 3868
pull
Entries 50
Mean −86.79
Std Dev 107.2

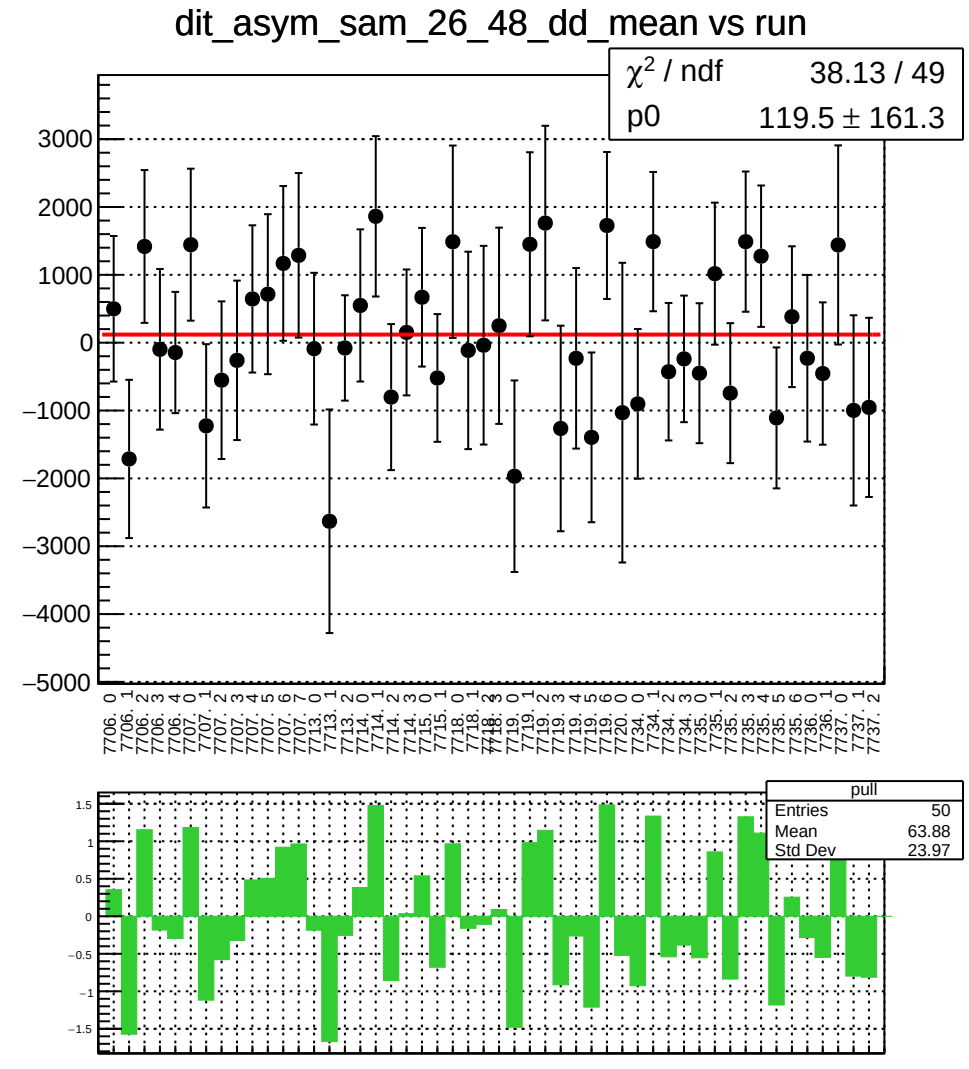

pull1D
Entries 50
Mean 0.0247
Std Dev 0.7692

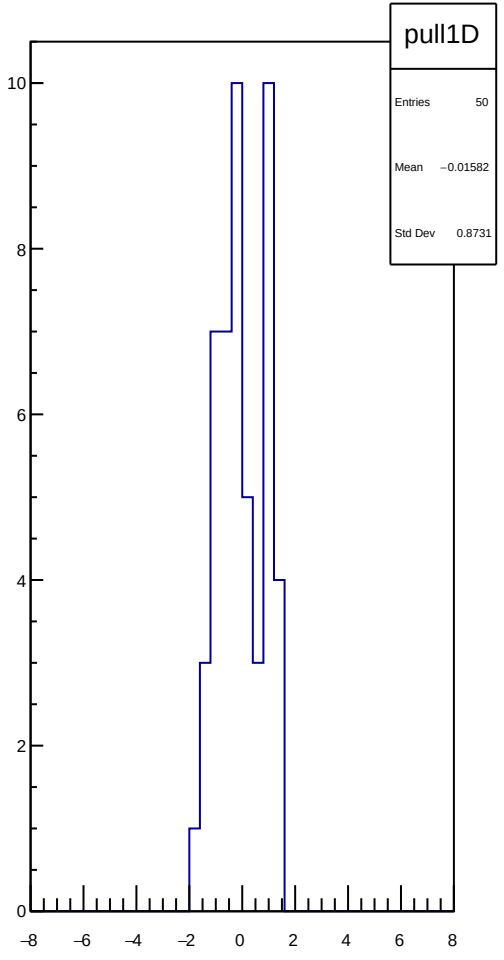

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2.887e+04 / 49
p0 2623 ± 2.735
3600
3400
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

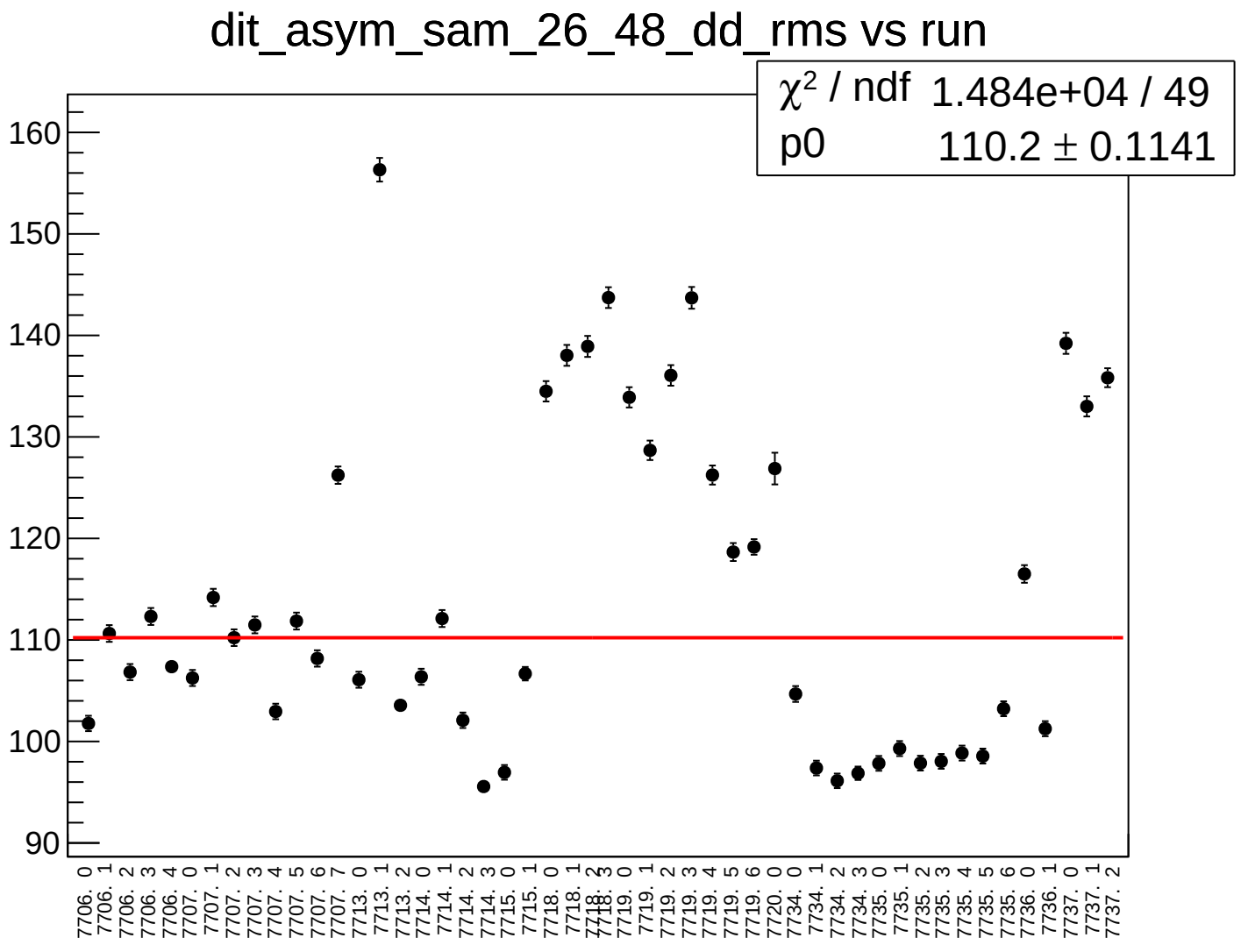

asym_sam_24_68_dd_mean vs run
χ² / ndf 29.92 / 49
p0 1357 ± 3847
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −99.62
Std Dev 119.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.02268
Std Dev 0.7733
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

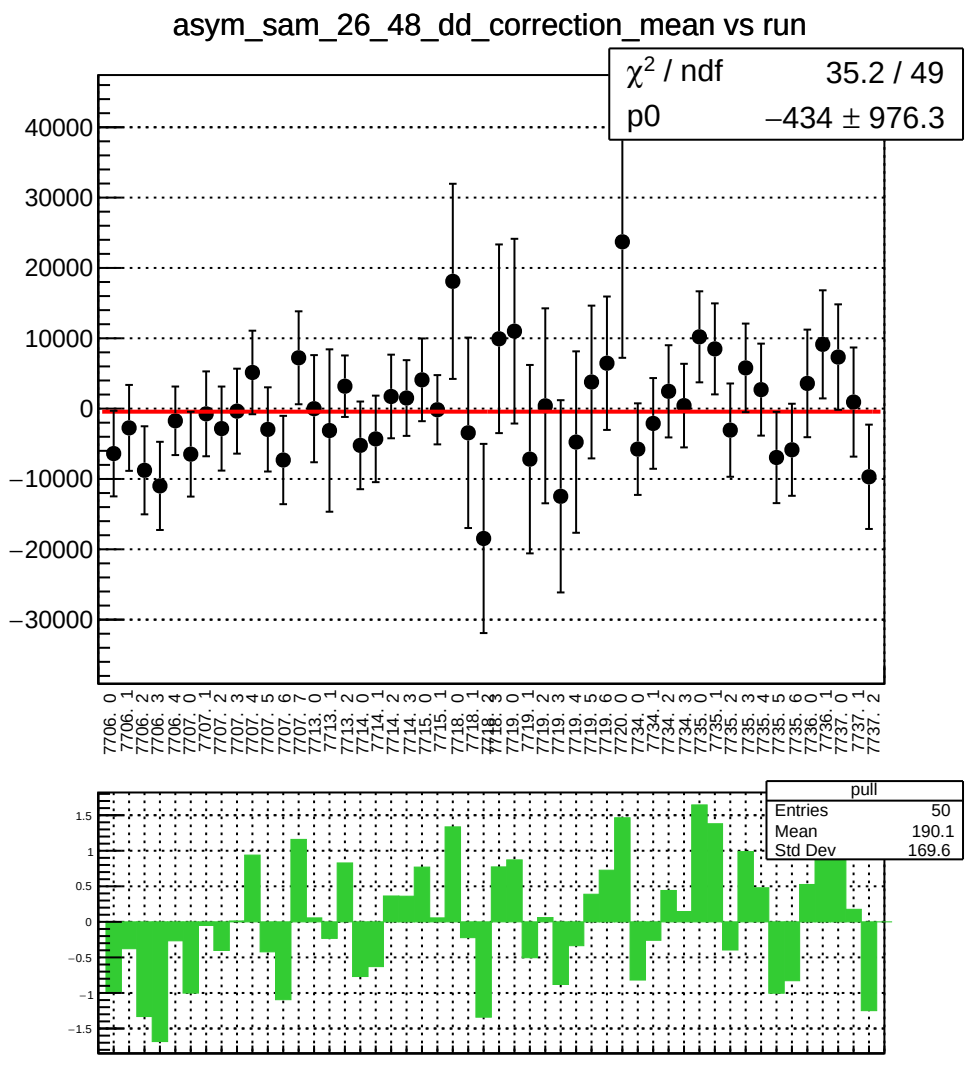
asym_sam_24_68_dd_rms vs run

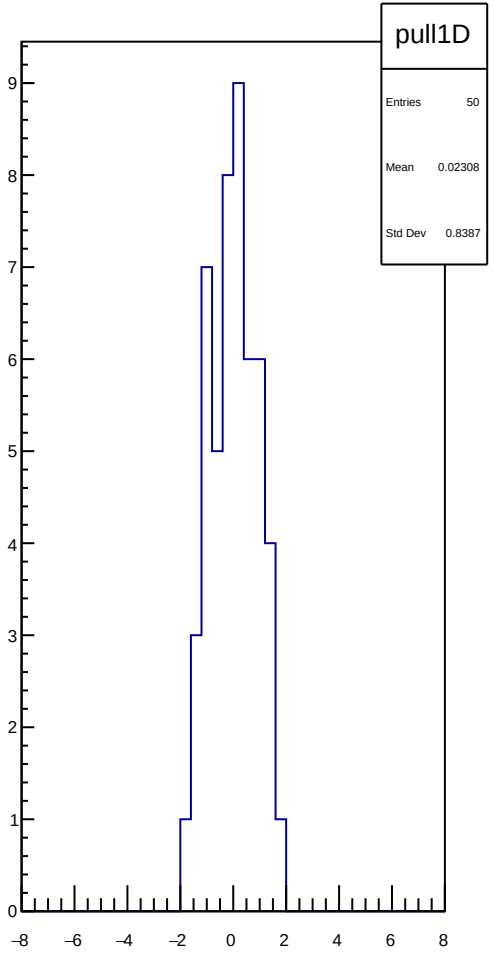


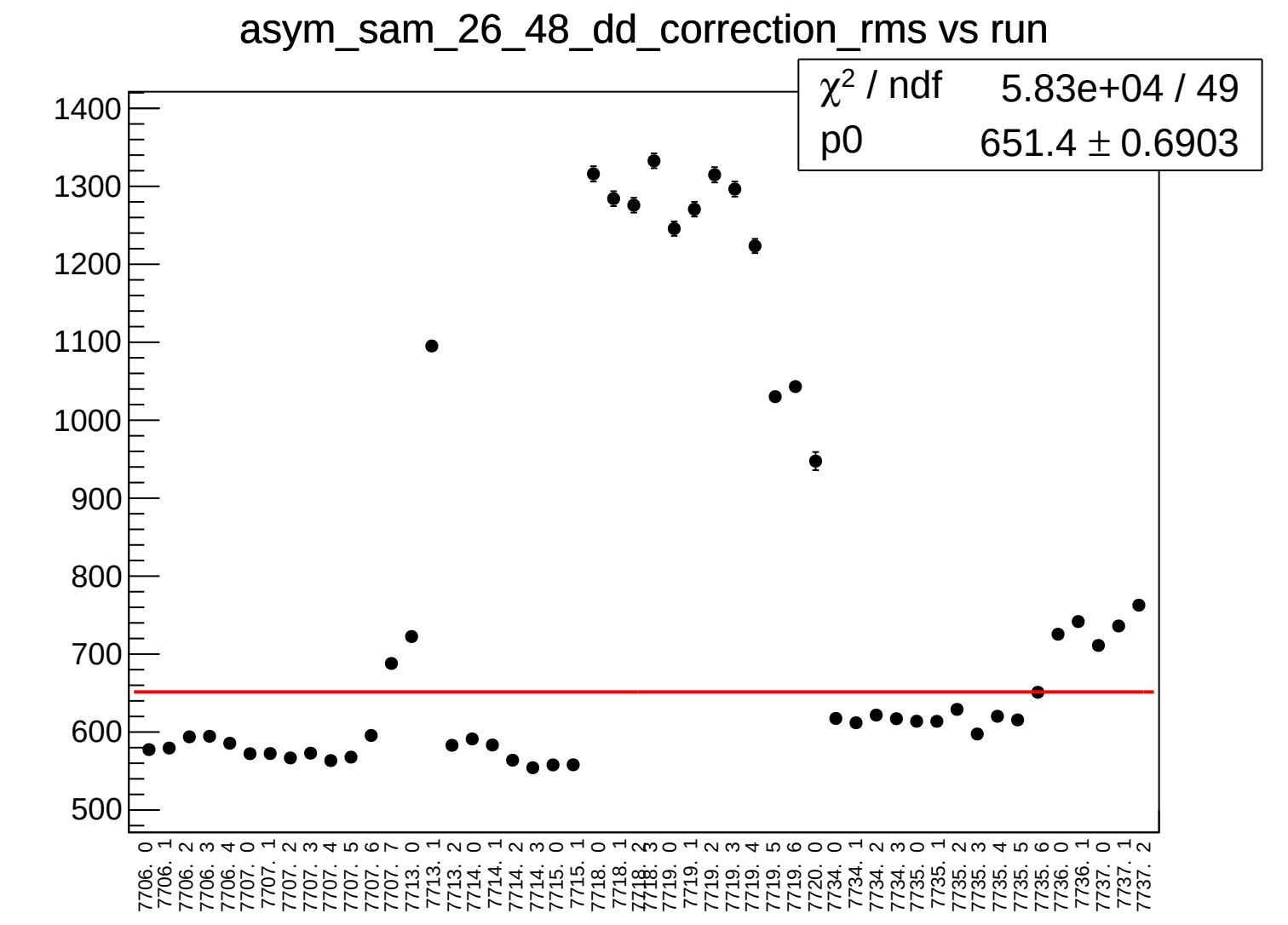

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 38.13 / 49
p0 119.5 ± 161.3
pull
Entries 50
Mean 63.88
Std Dev 23.97

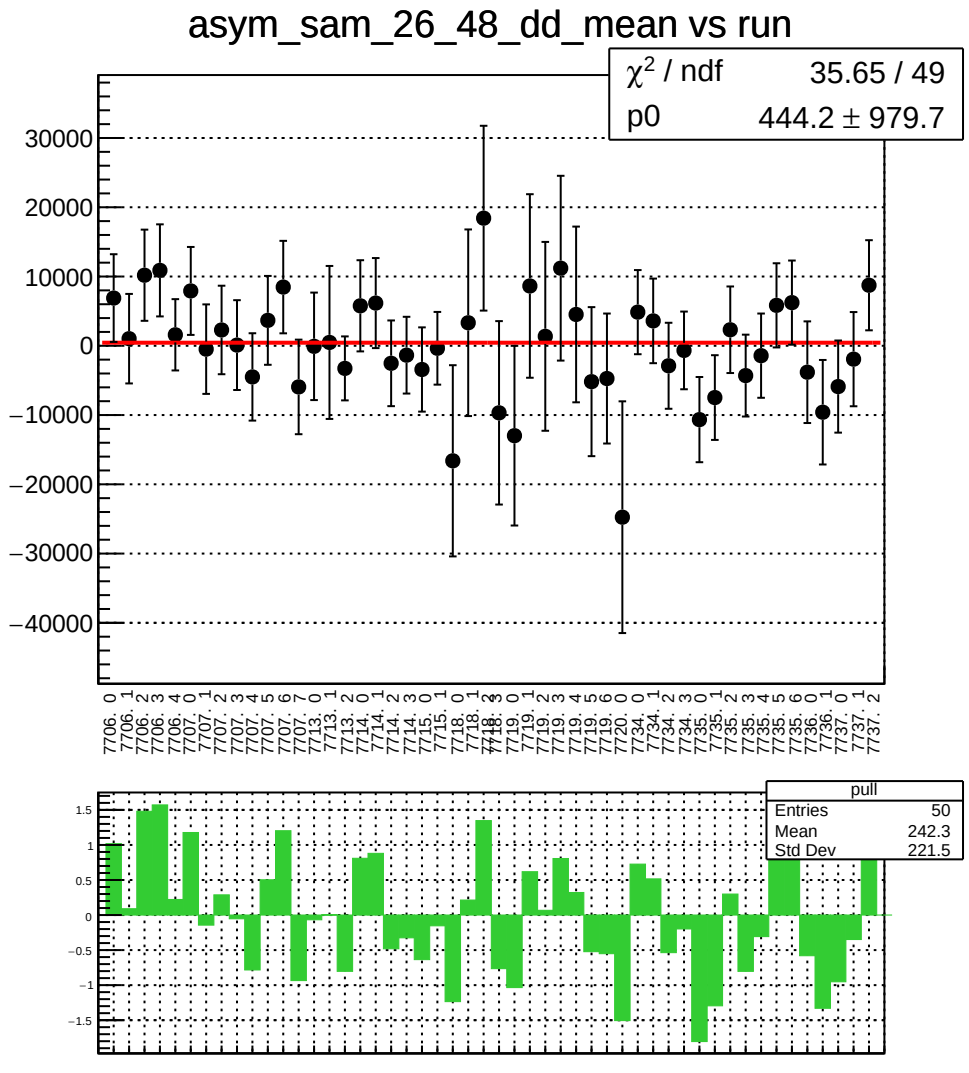

pull1D
Entries 50
Mean −0.01582
Std Dev 0.8731

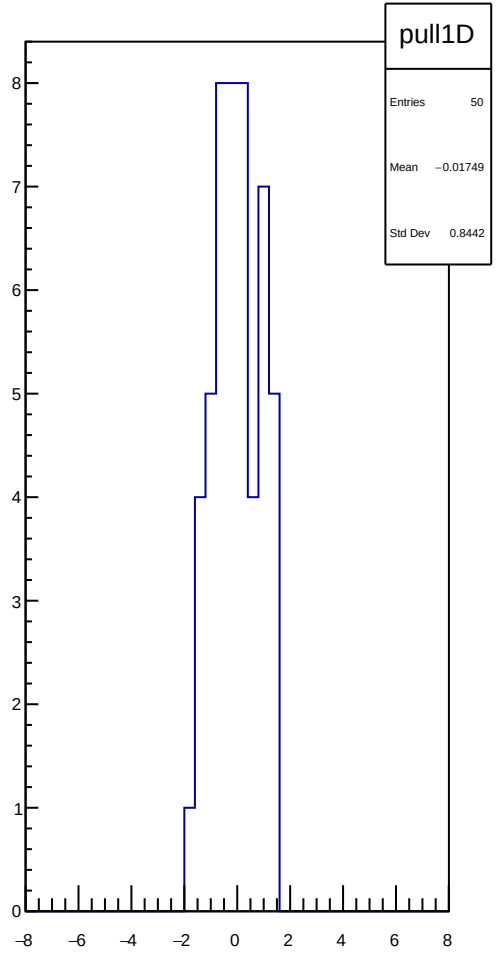

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.484e+04 / 49
p0 110.2 ± 0.1141
160
150
140
130
120
110
100
90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

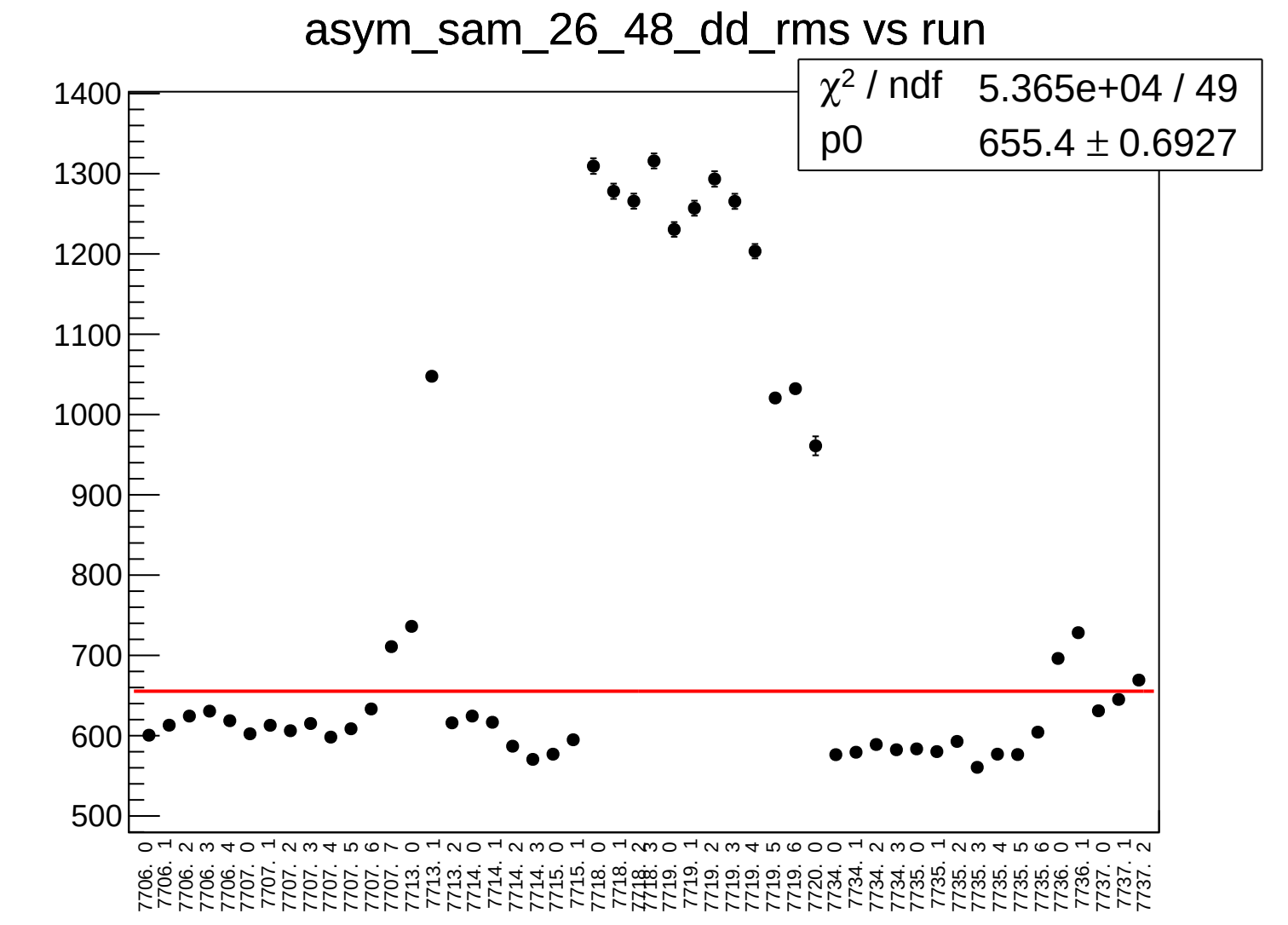

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 35.2 / 49
p0 −434 ± 976.3
40000
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 190.1
Std Dev 169.6
1.5
1
0.5
0
−0.5
−1
−1.5

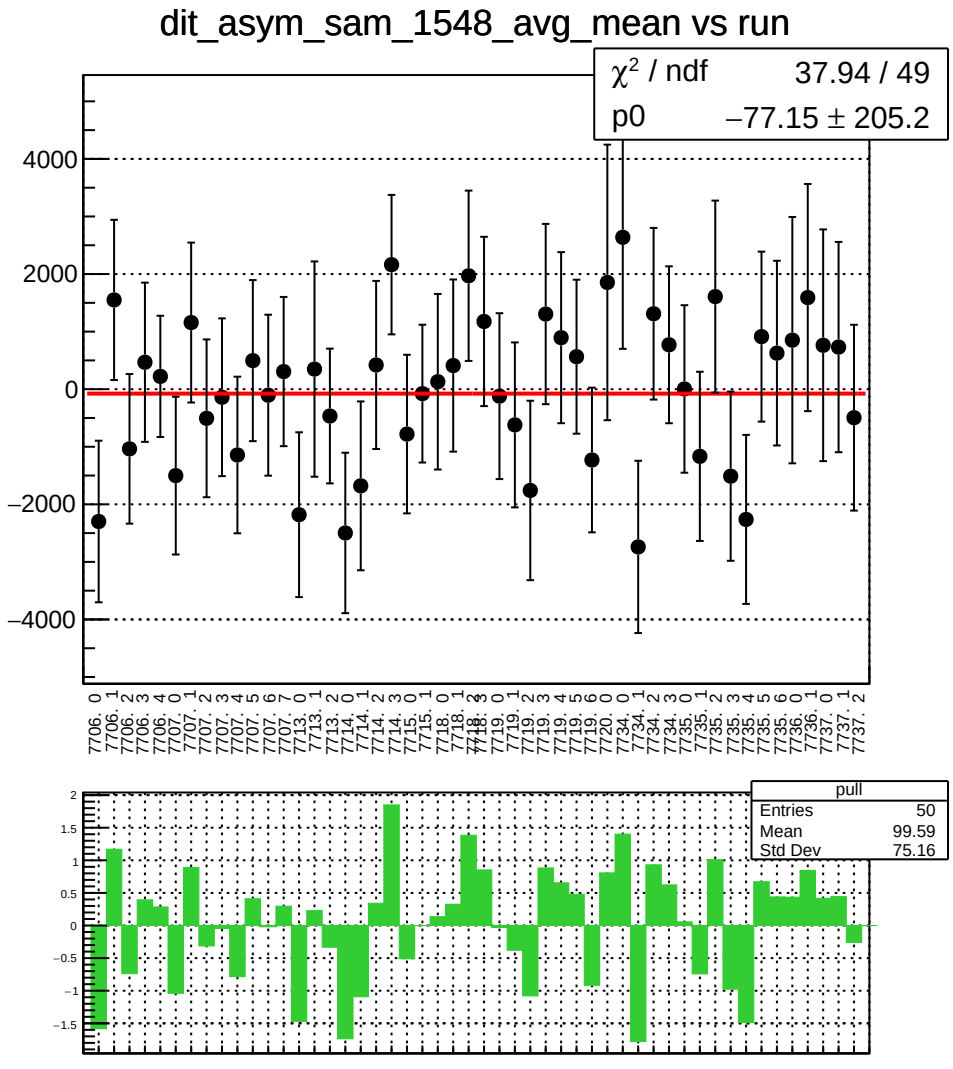

pull1D
Entries 50
Mean 0.02308
Std Dev 0.8387
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

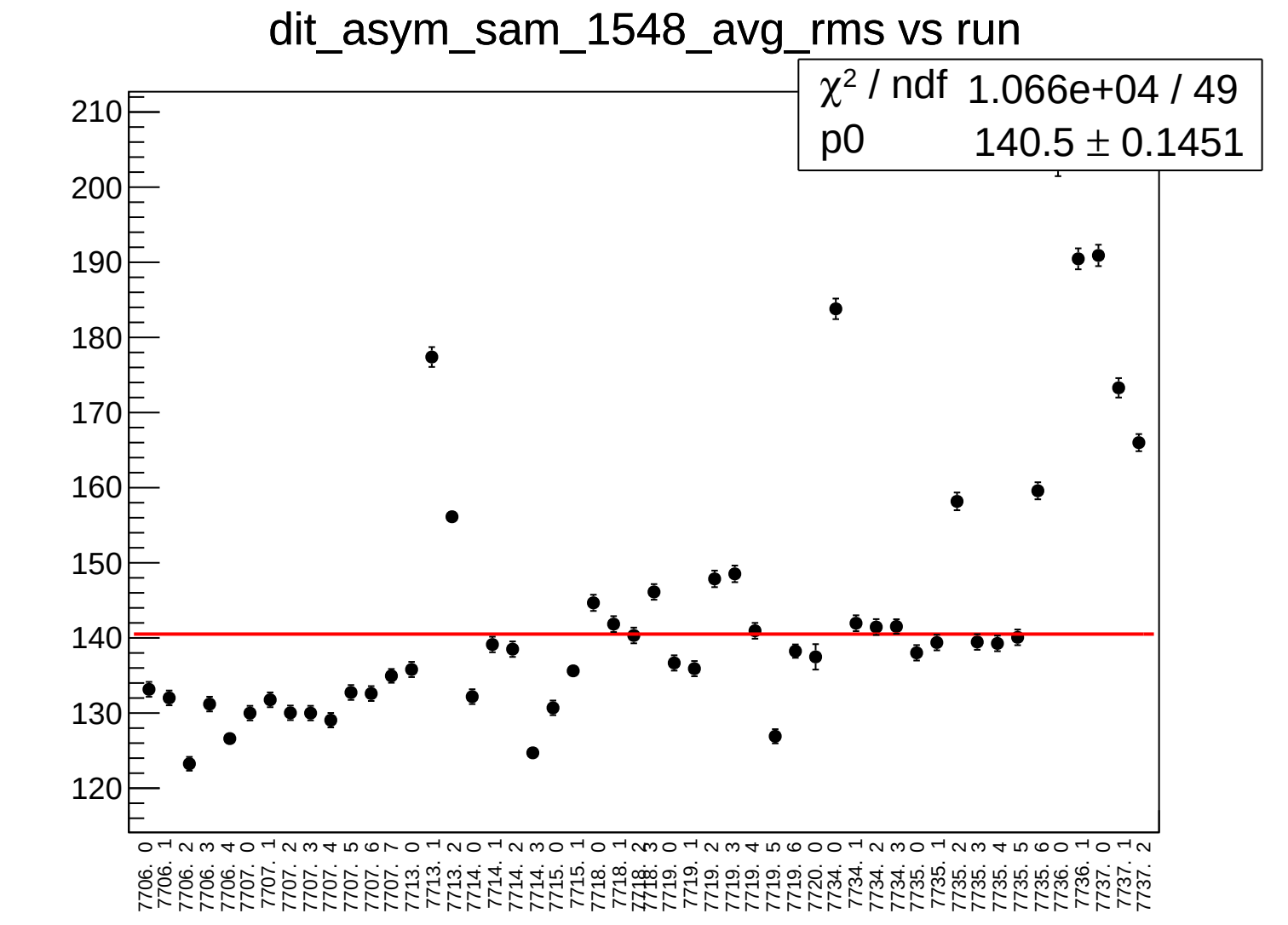

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 5.83e+04 / 49
p0 651.4 ± 0.6903
1400
1300
1200
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

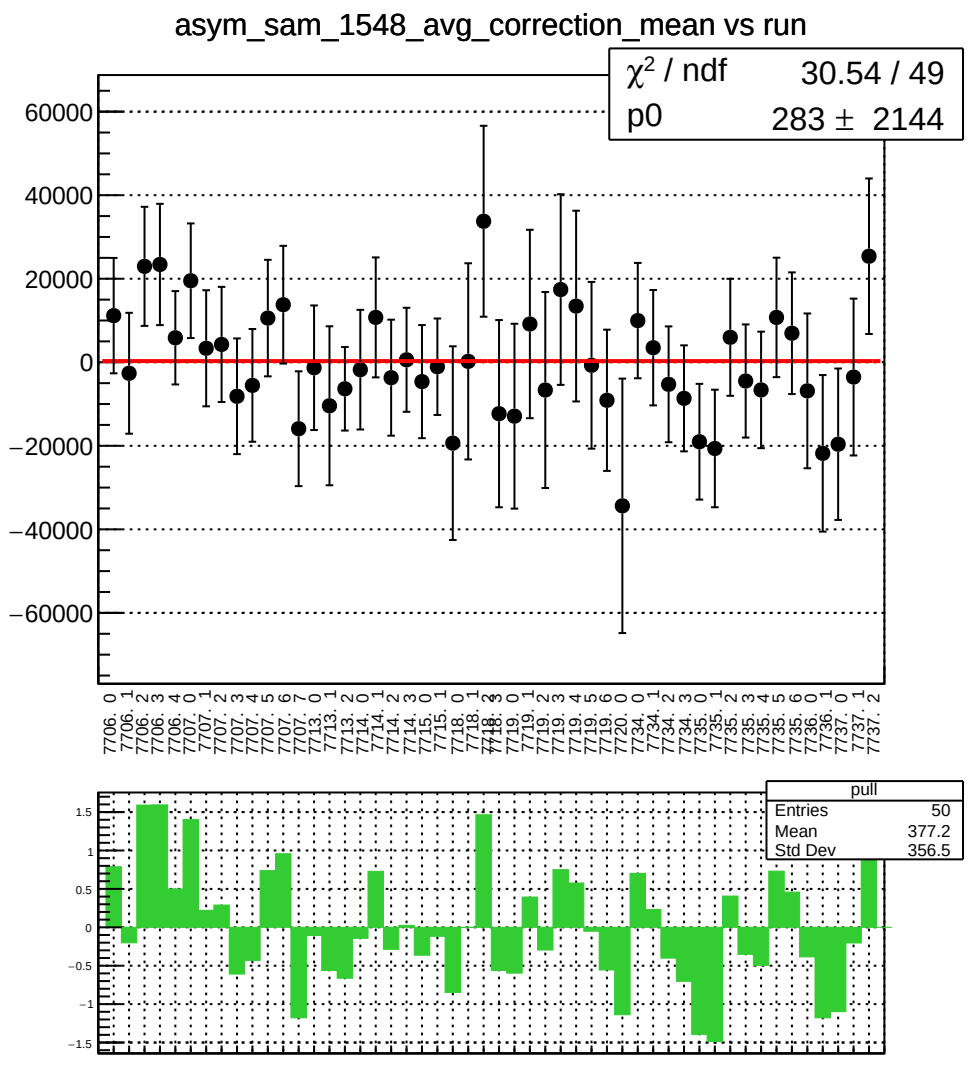

asym_sam_26_48_dd_mean vs run
χ^2 / ndf 35.65 / 49
p0 444.2 ± 979.7
30000
20000
10000
0
−10000
−20000
−30000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 242.3
Std Dev 221.5
1.5
1
0.5
0
−0.5
−1
−1.5

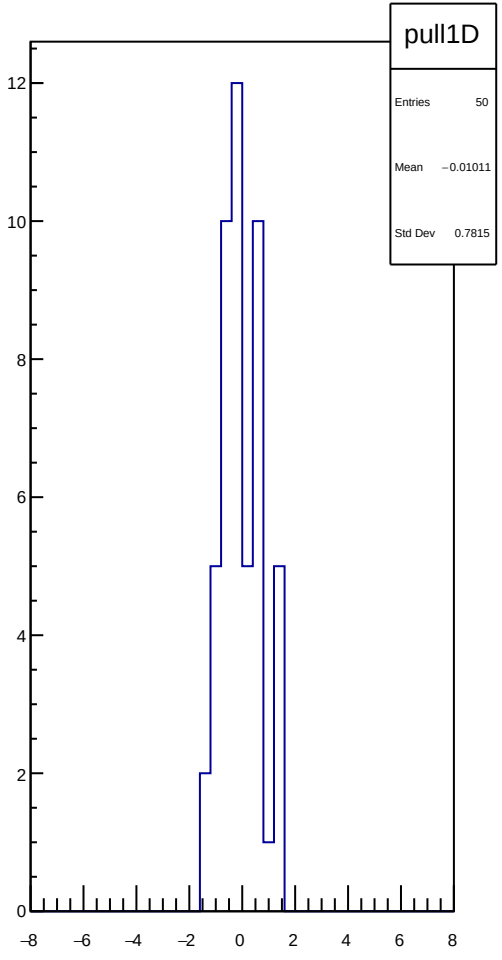

pull1D
Entries 50
Mean −0.01749
Std Dev 0.8442
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

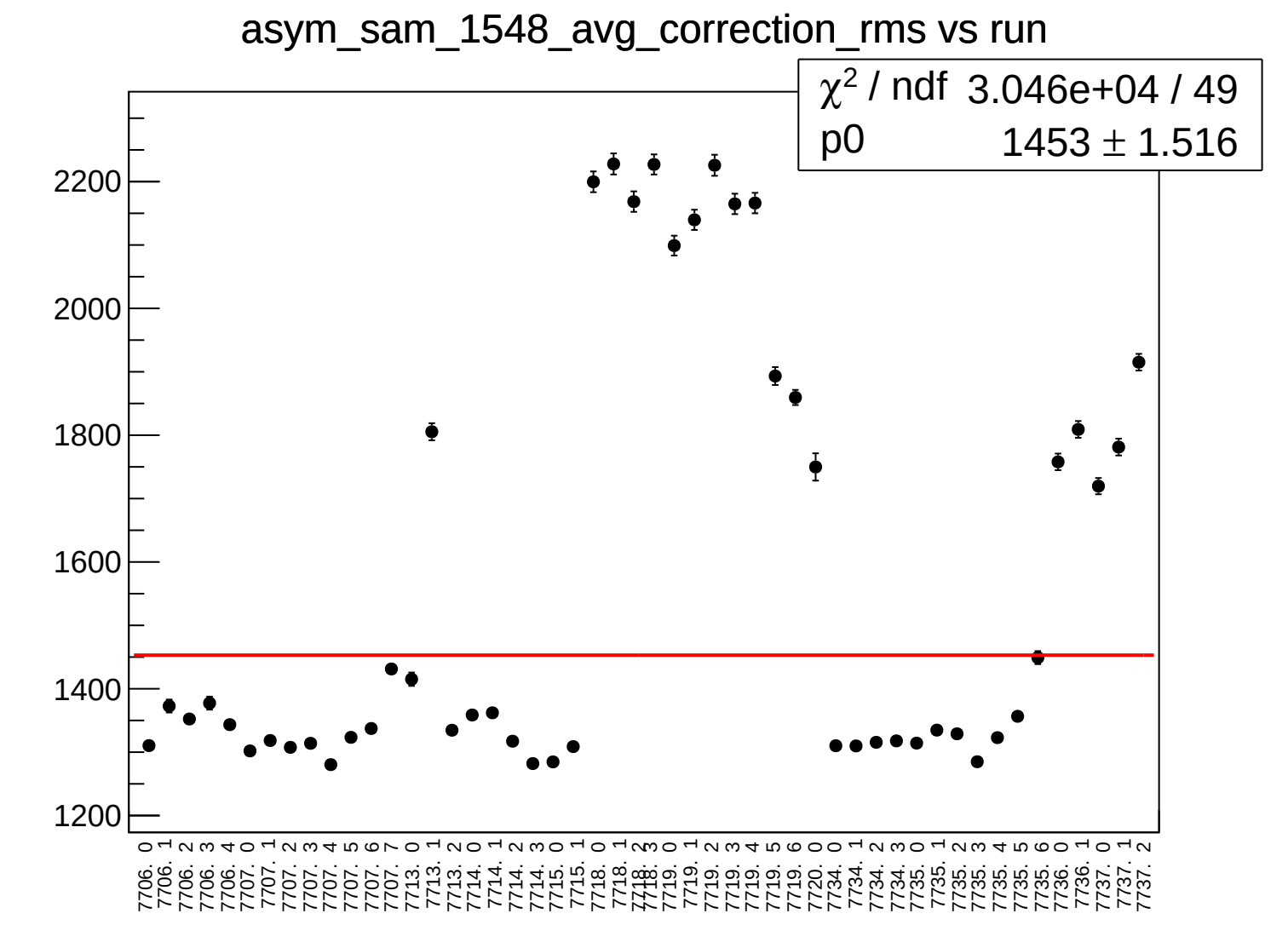

asym_sam_26_48_dd_rms vs run
χ² / ndf 5.365e+04 / 49
p0 655.4 ± 0.6927
1400
1300
1200
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

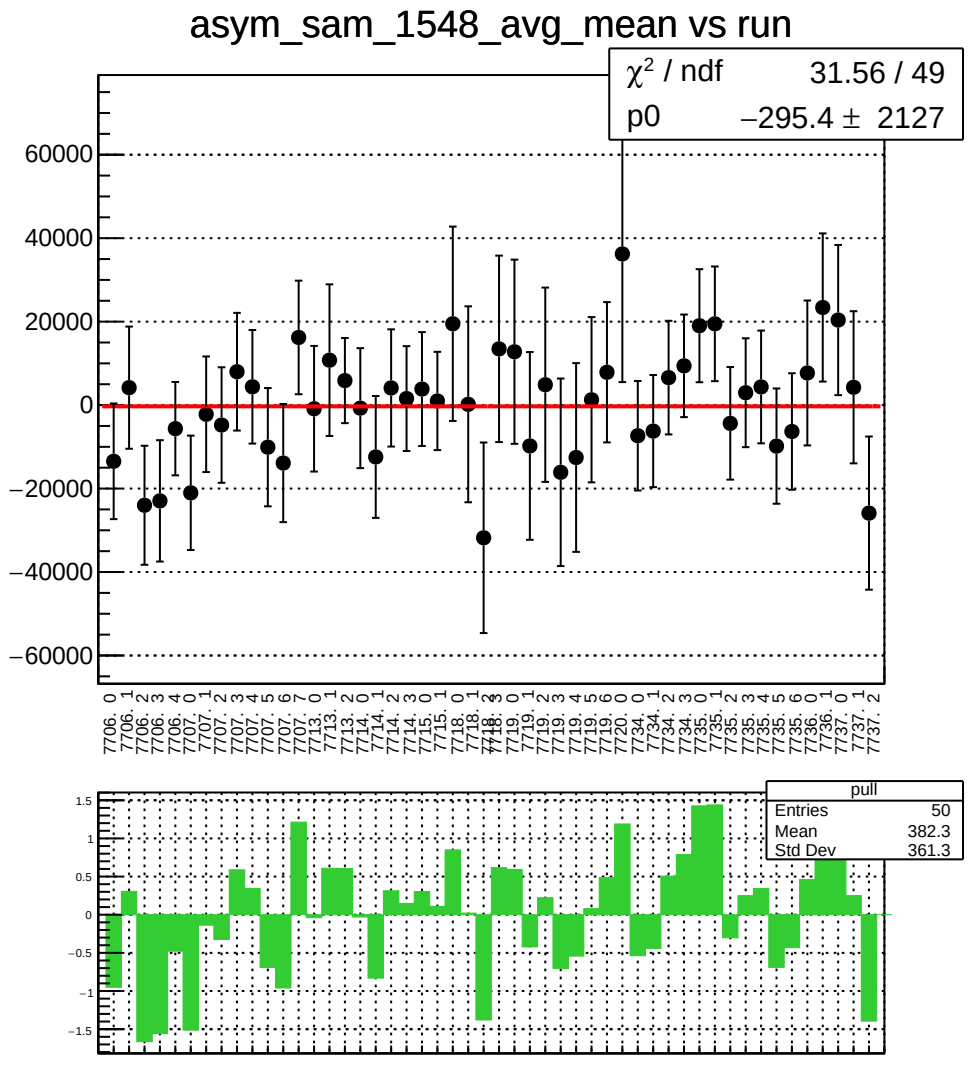

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 37.94 / 49
p0 −77.15 ± 205.2
4000
2000
0
−2000
−4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 99.59
Std Dev 75.16
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.02678
Std Dev 0.8707
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

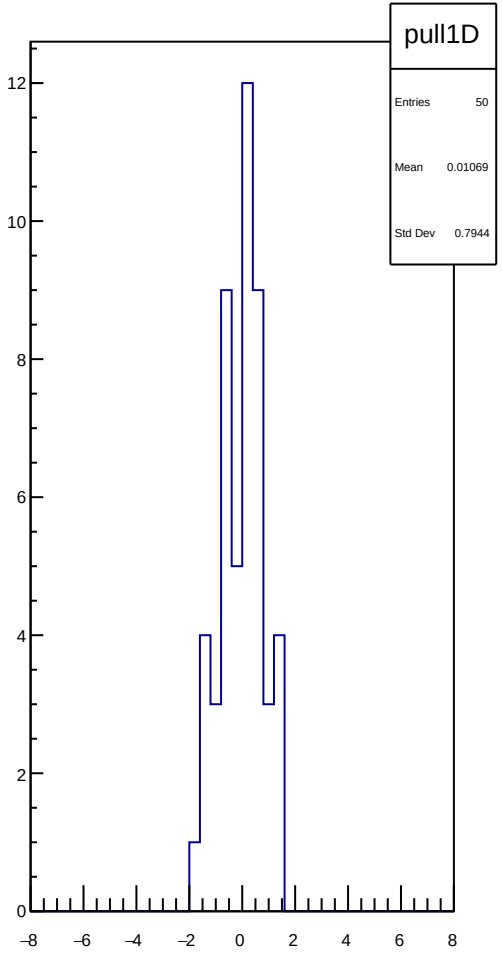

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.066e+04 / 49
p0 140.5 ± 0.1451
210
200
190
180
170
160
150
140
130
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

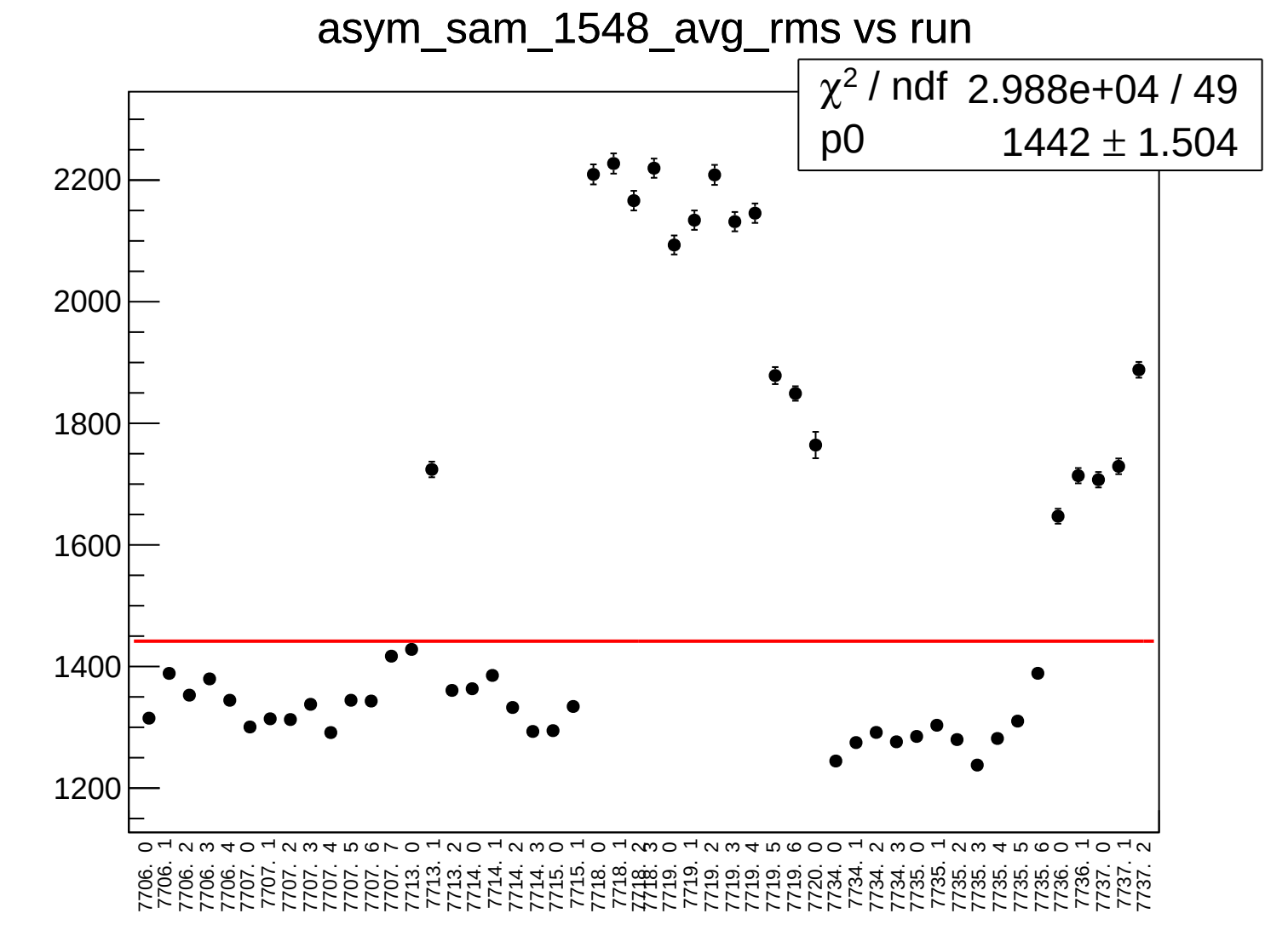

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 30.54 / 49
p0 283 ± 2144
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 377.2
Std Dev 356.5
1.5
1
0.5
0
−0.5
−1
−1.5

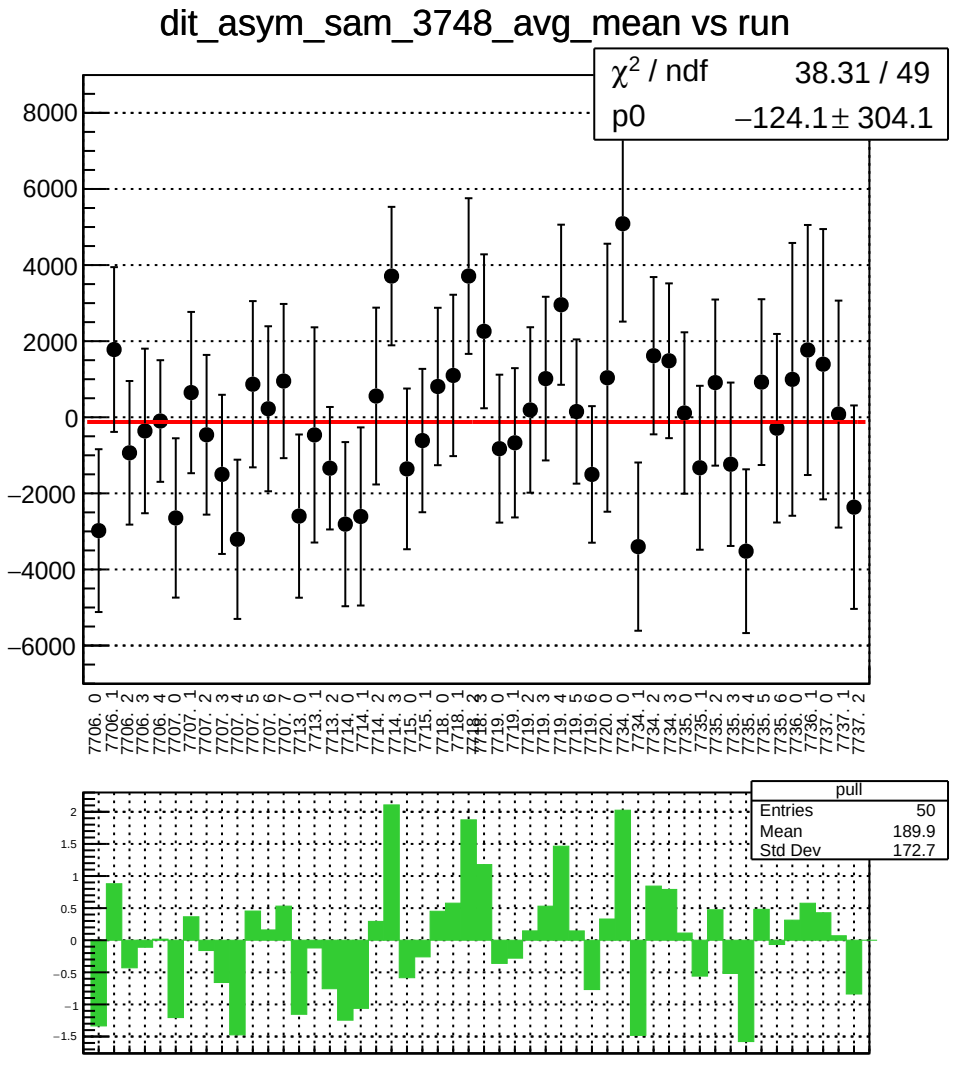

pull1D
Entries 50
Mean −0.01011
Std Dev 0.7815
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

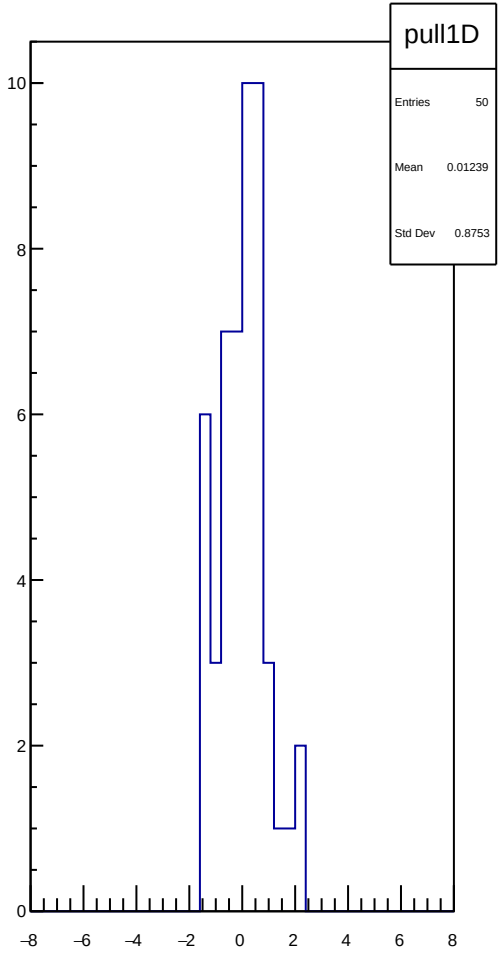

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3.046e+04 / 49
p0 1453 ± 1.516
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

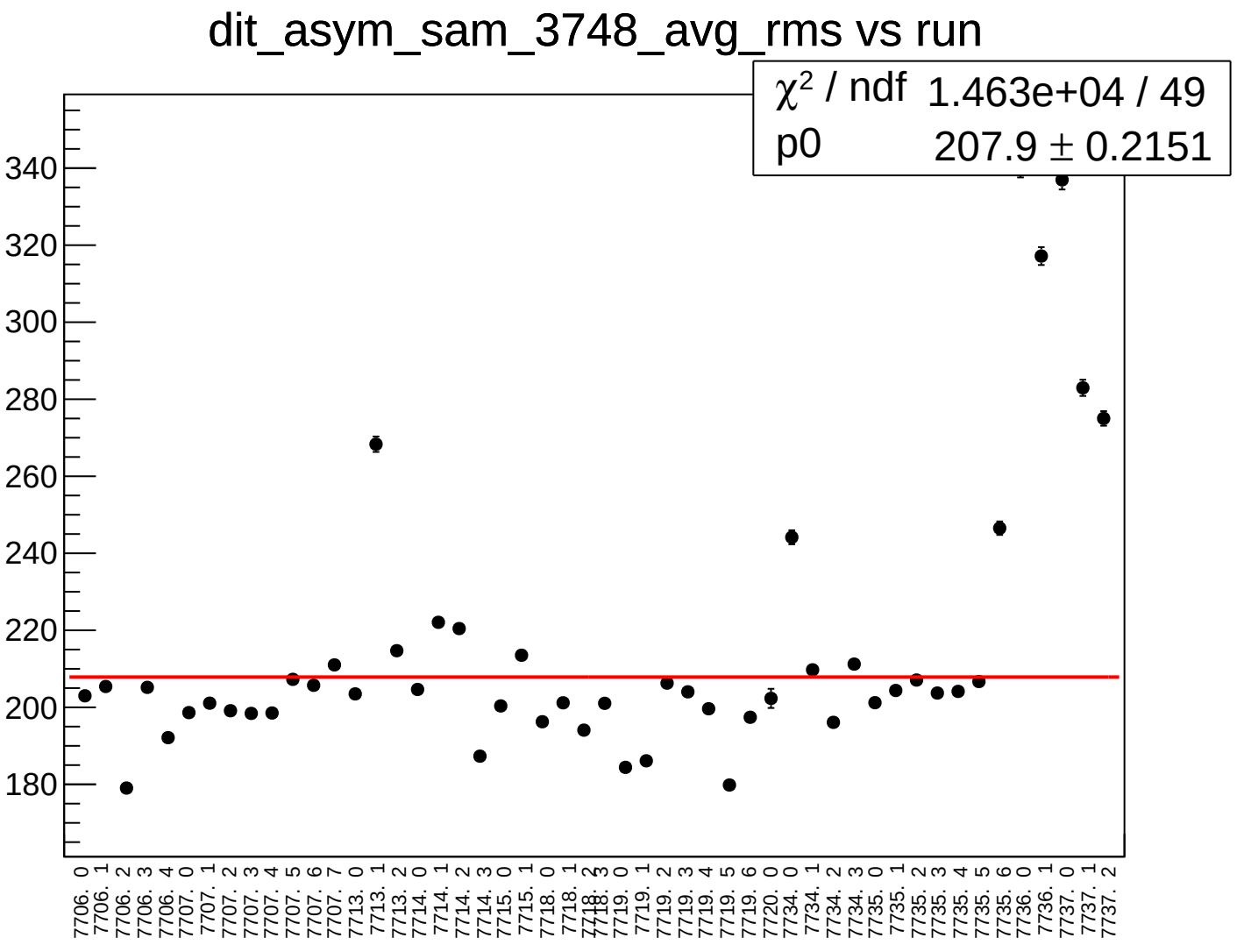

asym_sam_1548_avg_mean vs run
χ² / ndf 31.56 / 49
p0 −295.4 ± 2127
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 382.3
Std Dev 361.3
1.5
1
0.5
0
−0.5
−1
−1.5

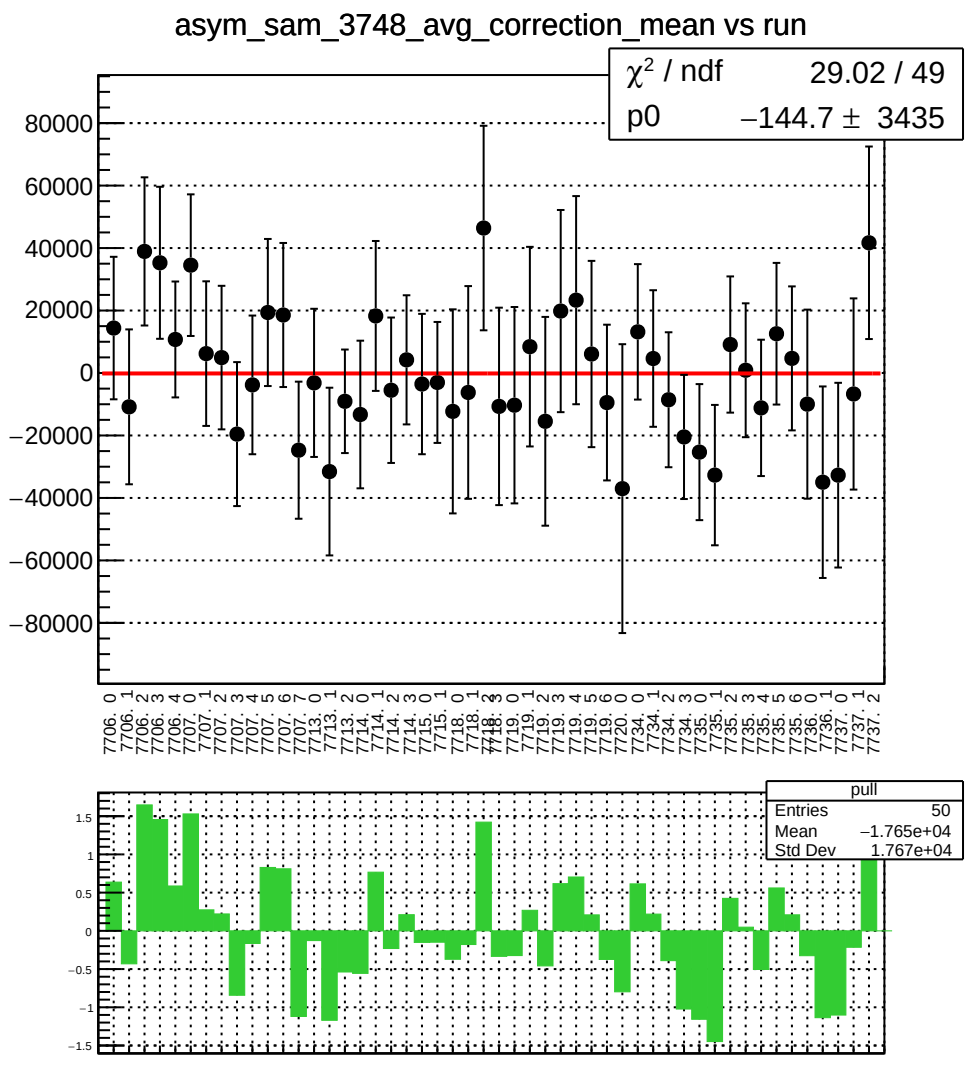

pull1D
Entries 50
Mean 0.01069
Std Dev 0.7944
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

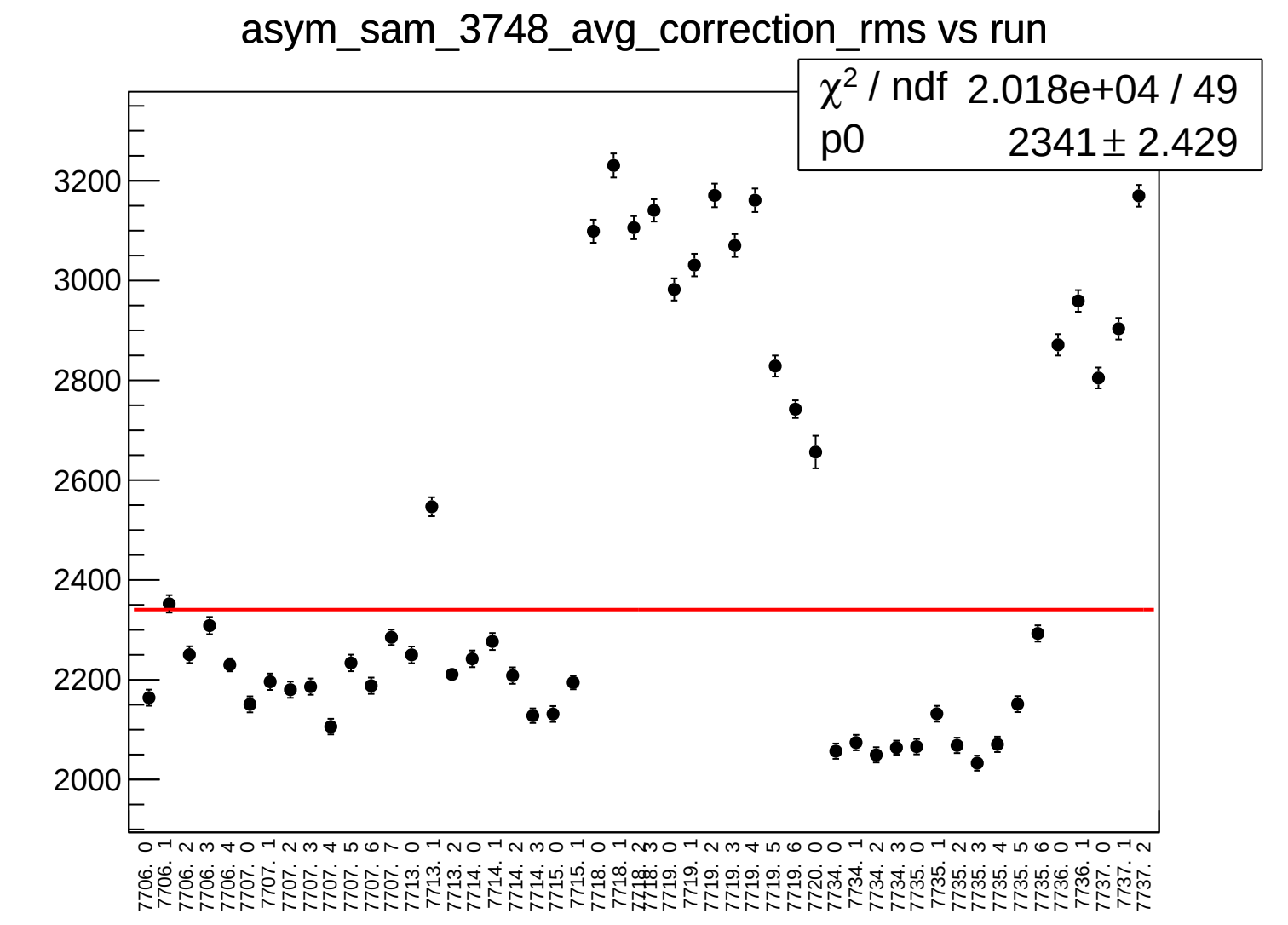

asym_sam_1548_avg_rms vs run
χ² / ndf 2.988e+04 / 49
p0 1442 ± 1.504
2200
2000
1800
1600
1400
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

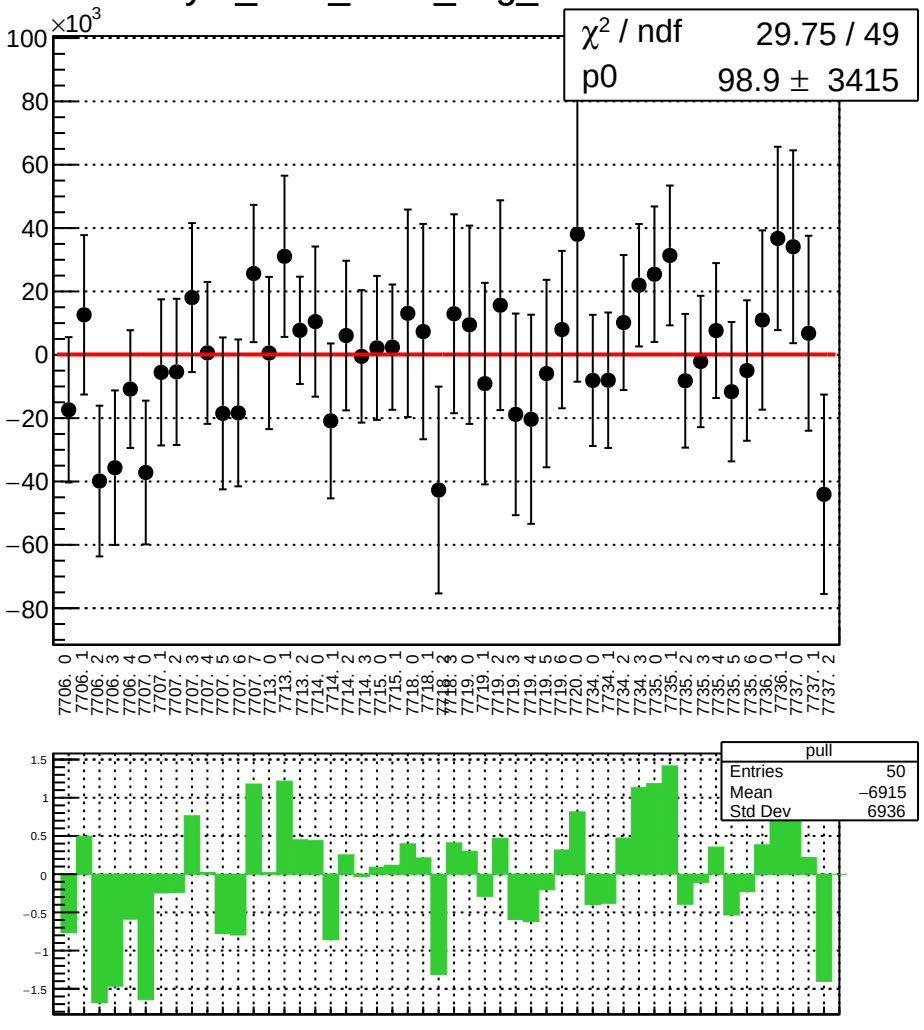

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 38.31 / 49
p0 −124.1 ± 304.1
8000
6000
4000
2000
0
−2000
−4000
−6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 189.9
Std Dev 172.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

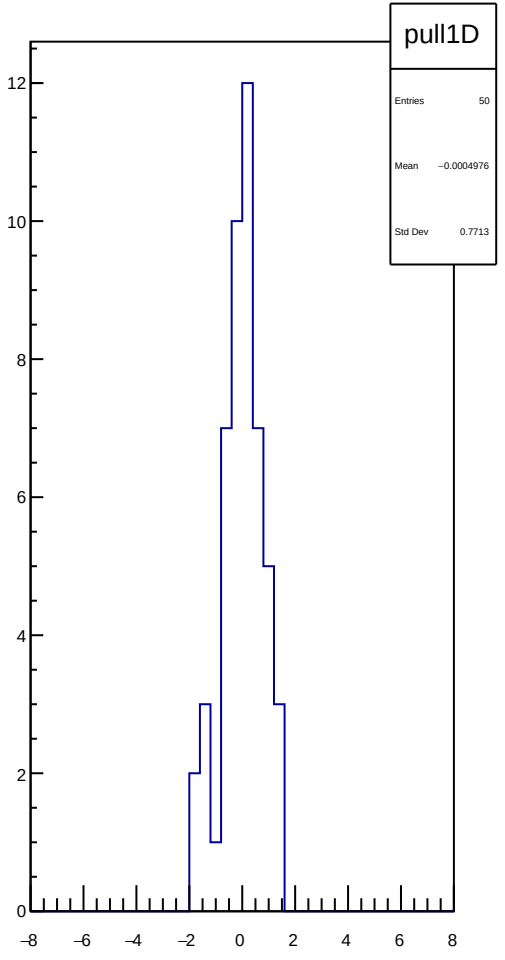

pull1D
Entries 50
Mean 0.01239
Std Dev 0.8753
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

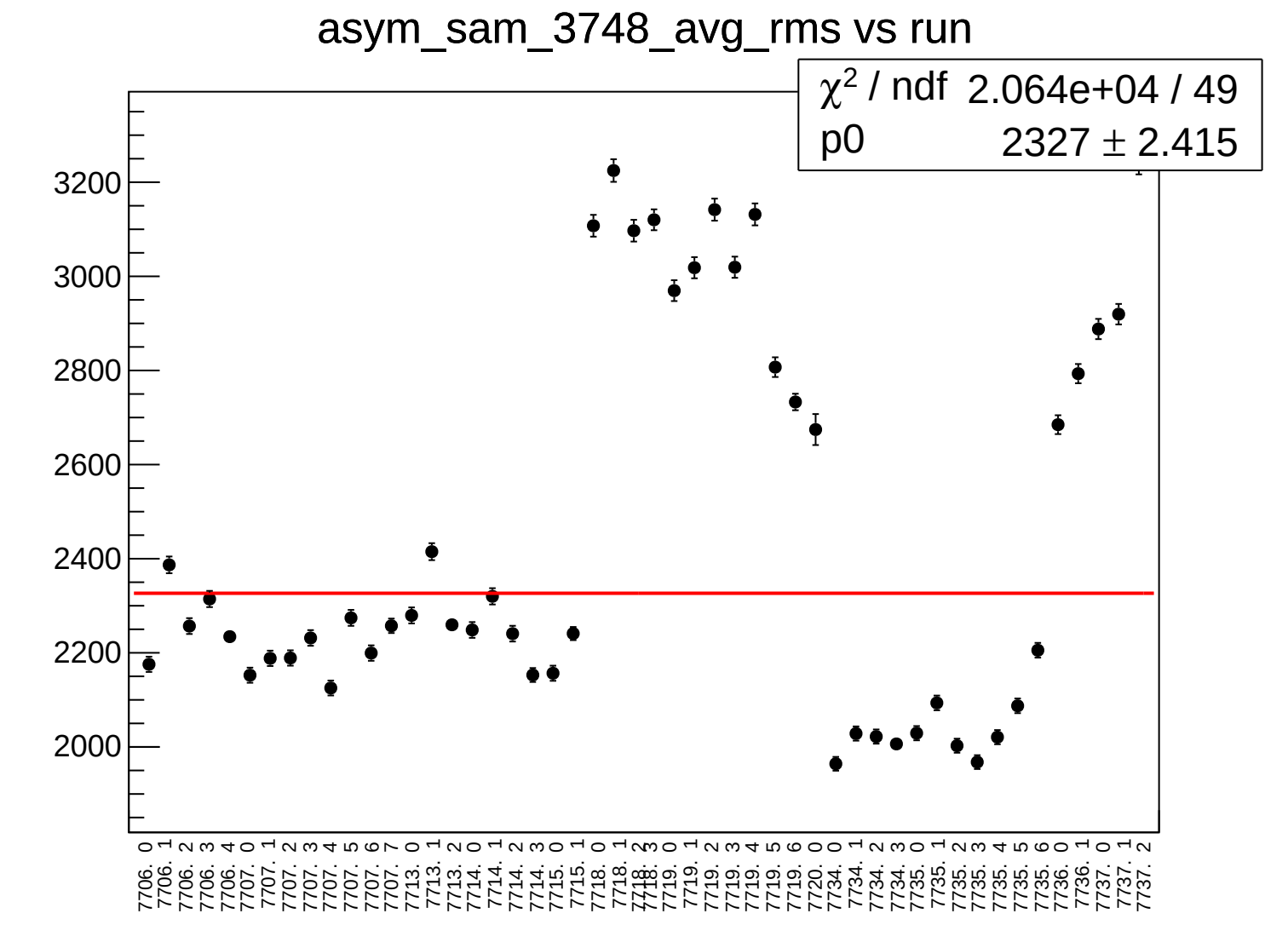

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.463e+04 / 49
p0 207.9 ± 0.2151
340
320
300
280
260
240
220
200
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

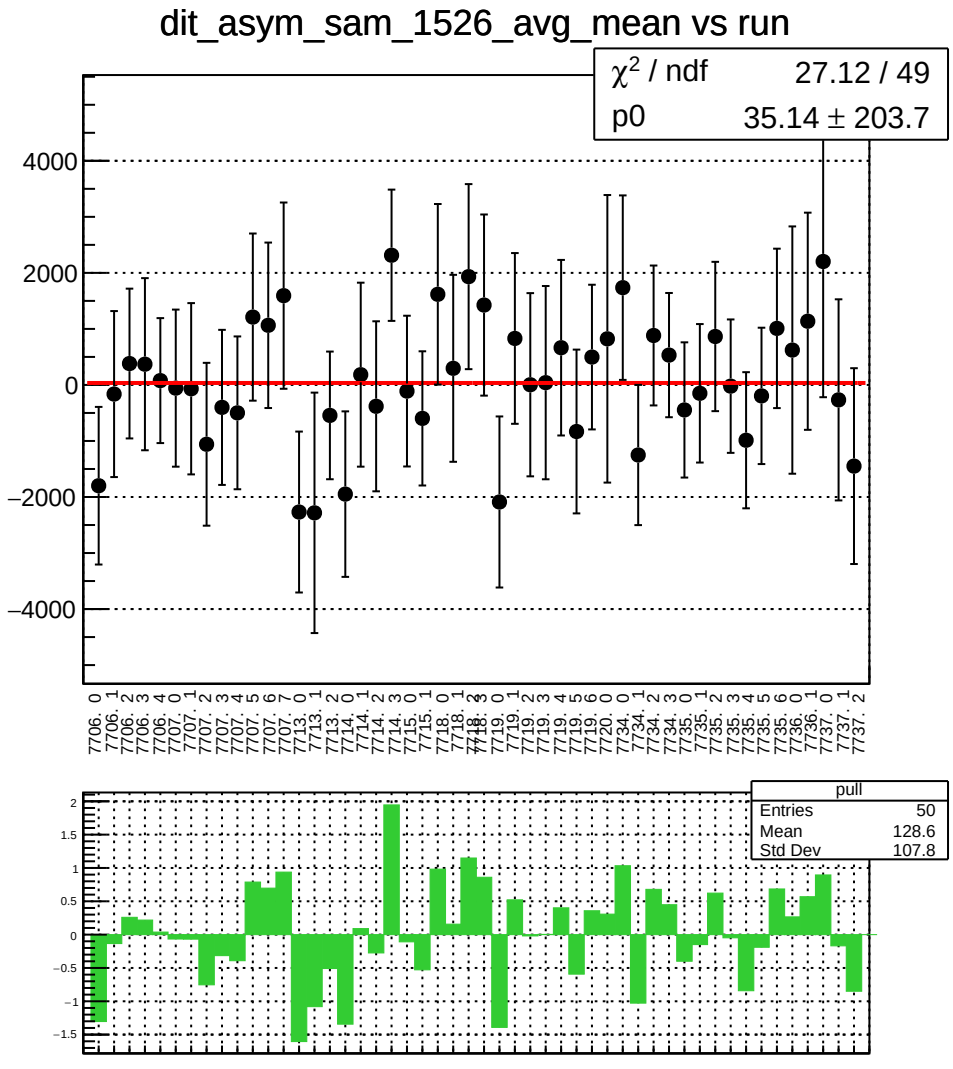

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 29.02 / 49
p0 −144.7 ± 3435
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −1.765e+04
Std Dev 1.767e+04
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.000182
Std Dev 0.7618
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

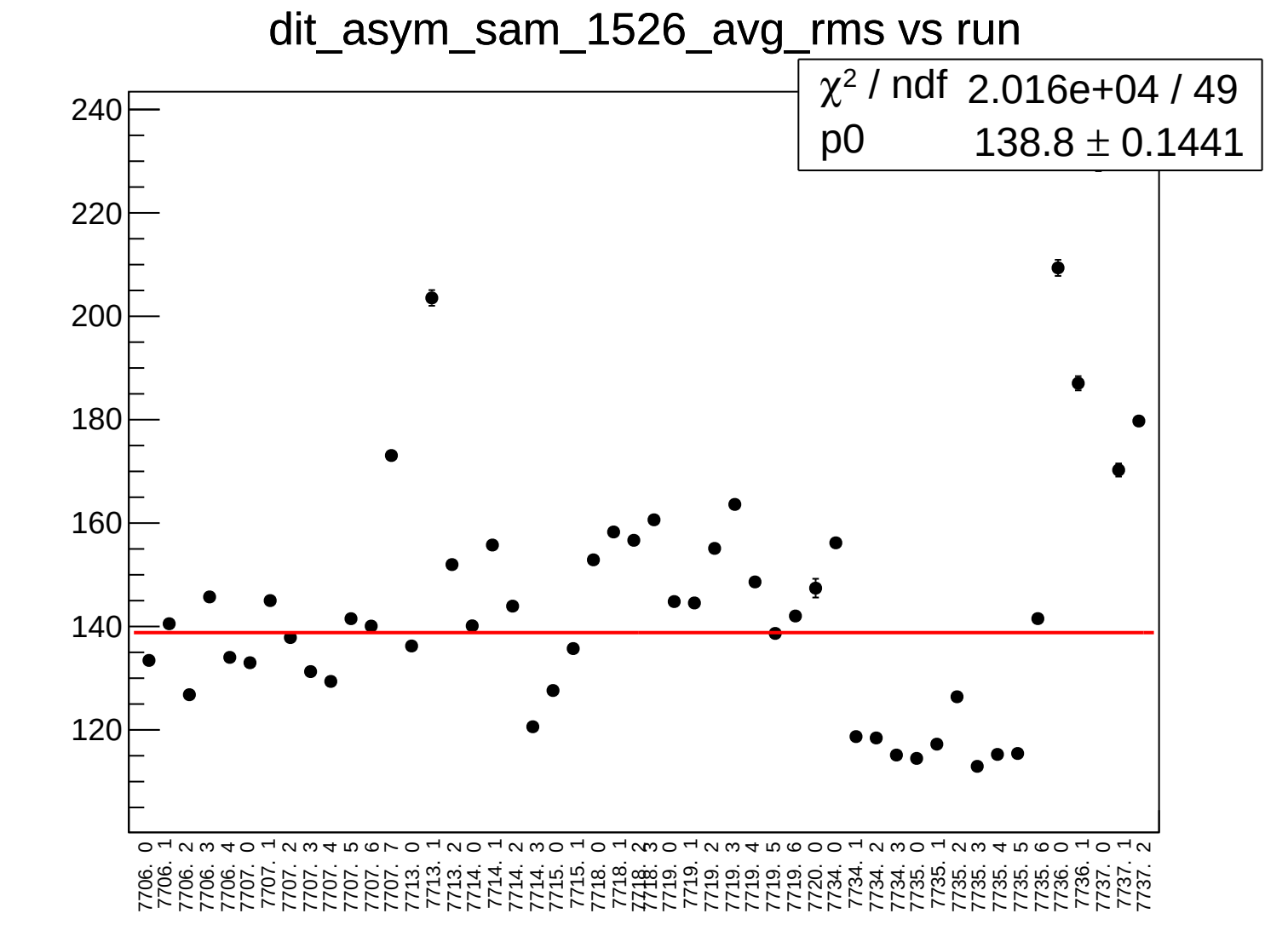

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2.018e+04 / 49
p0 2341 ± 2.429
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

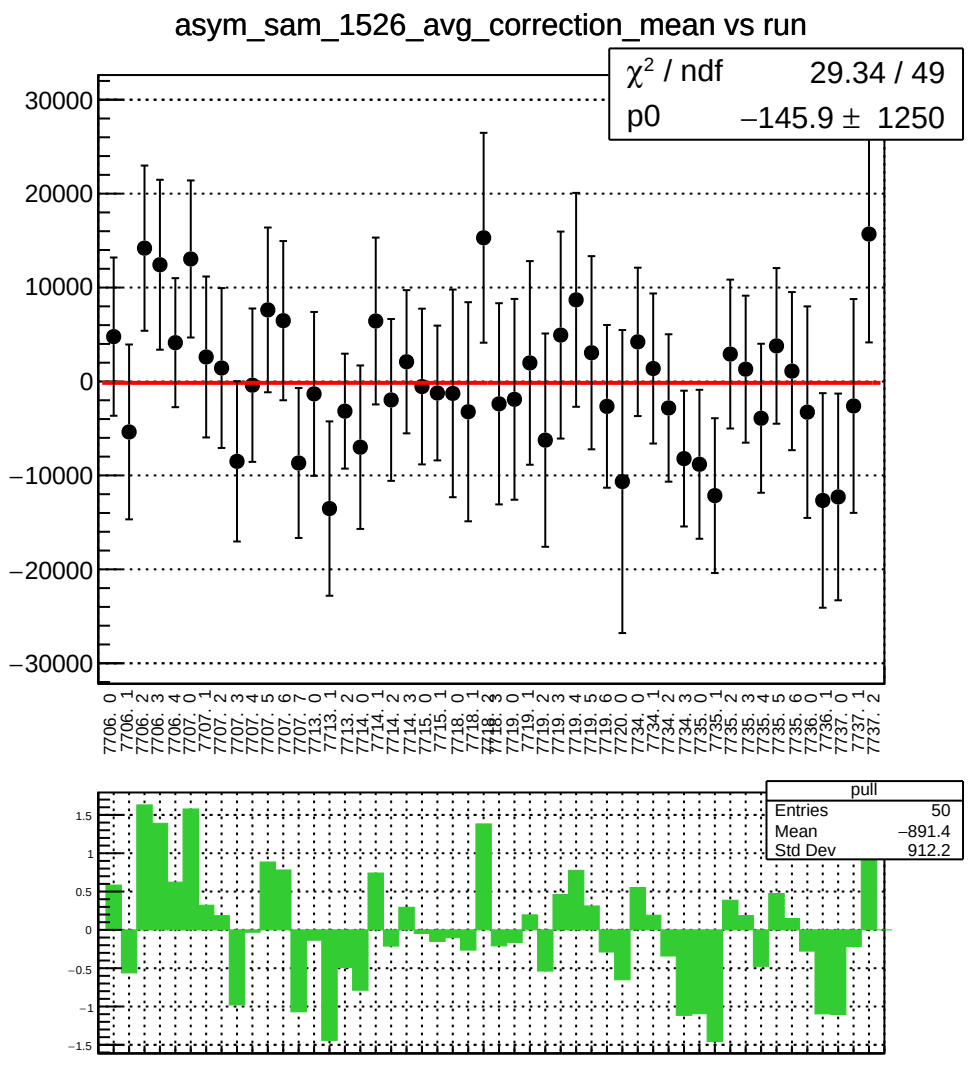

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 29.75 / 49
p0 98.9 ± 3415
pull
Entries 50
Mean −6915
Std Dev 6936

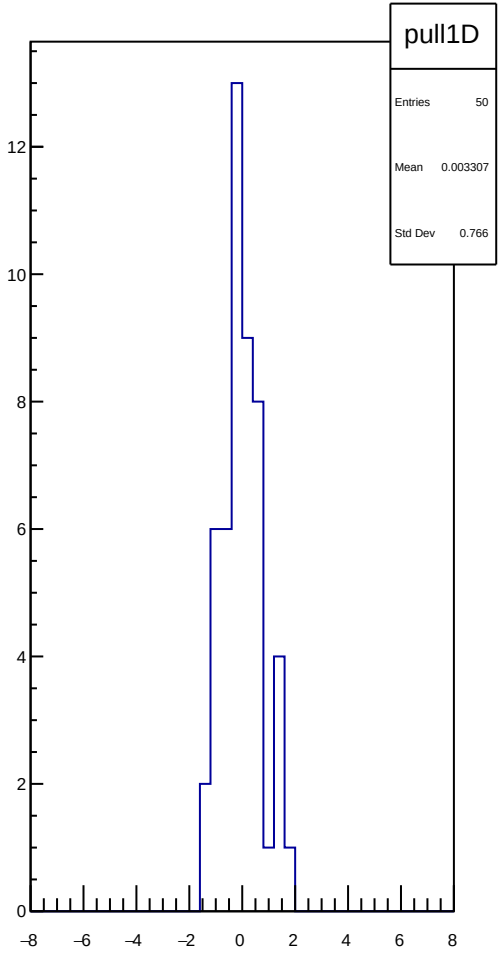

pull1D
Entries 50
Mean −0.0004976
Std Dev 0.7713

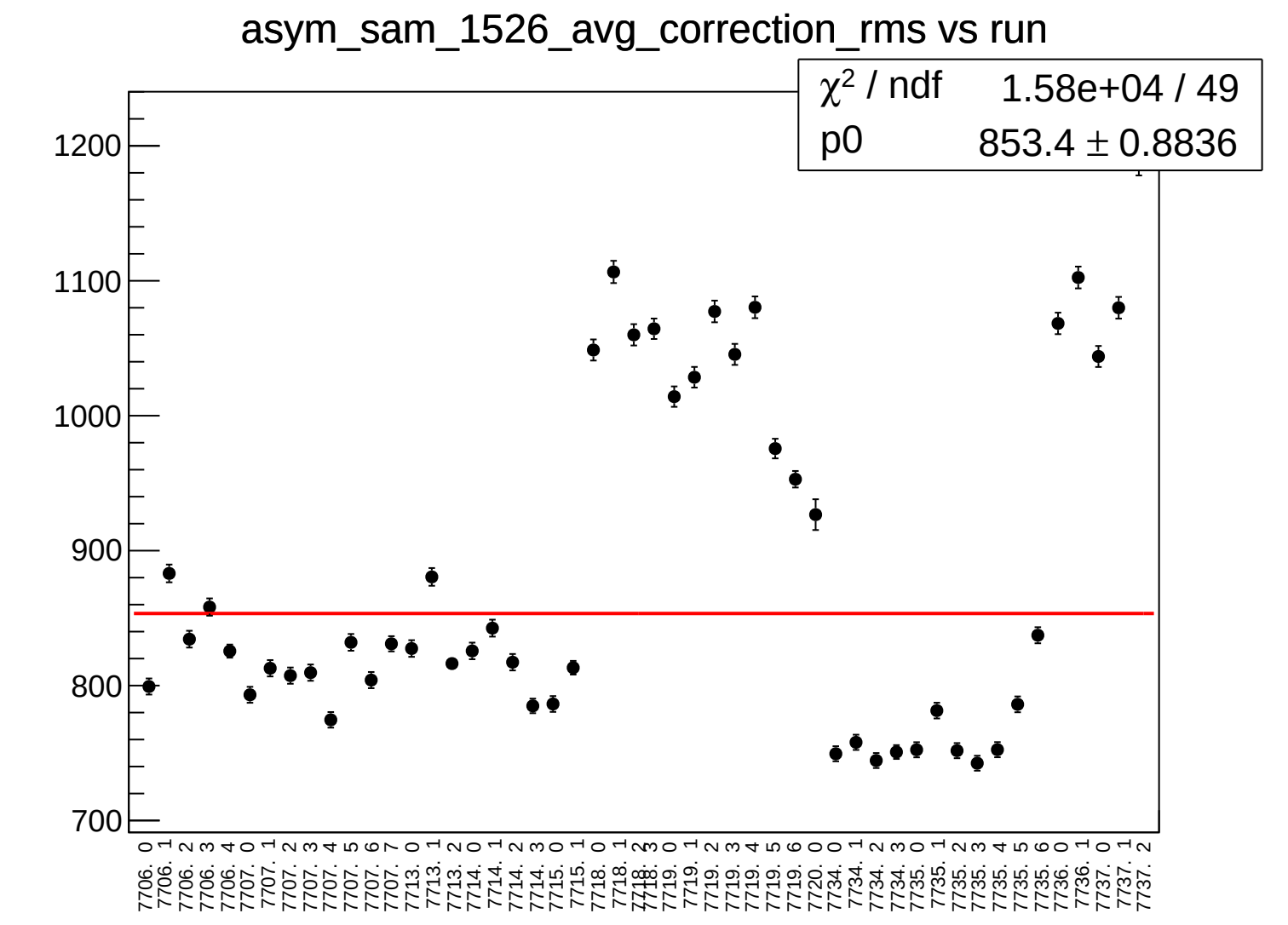

asym_sam_3748_avg_rms vs run
χ² / ndf 2.064e+04 / 49
p0 2327 ± 2.415
3200
3000
2800
2600
2400
2200
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

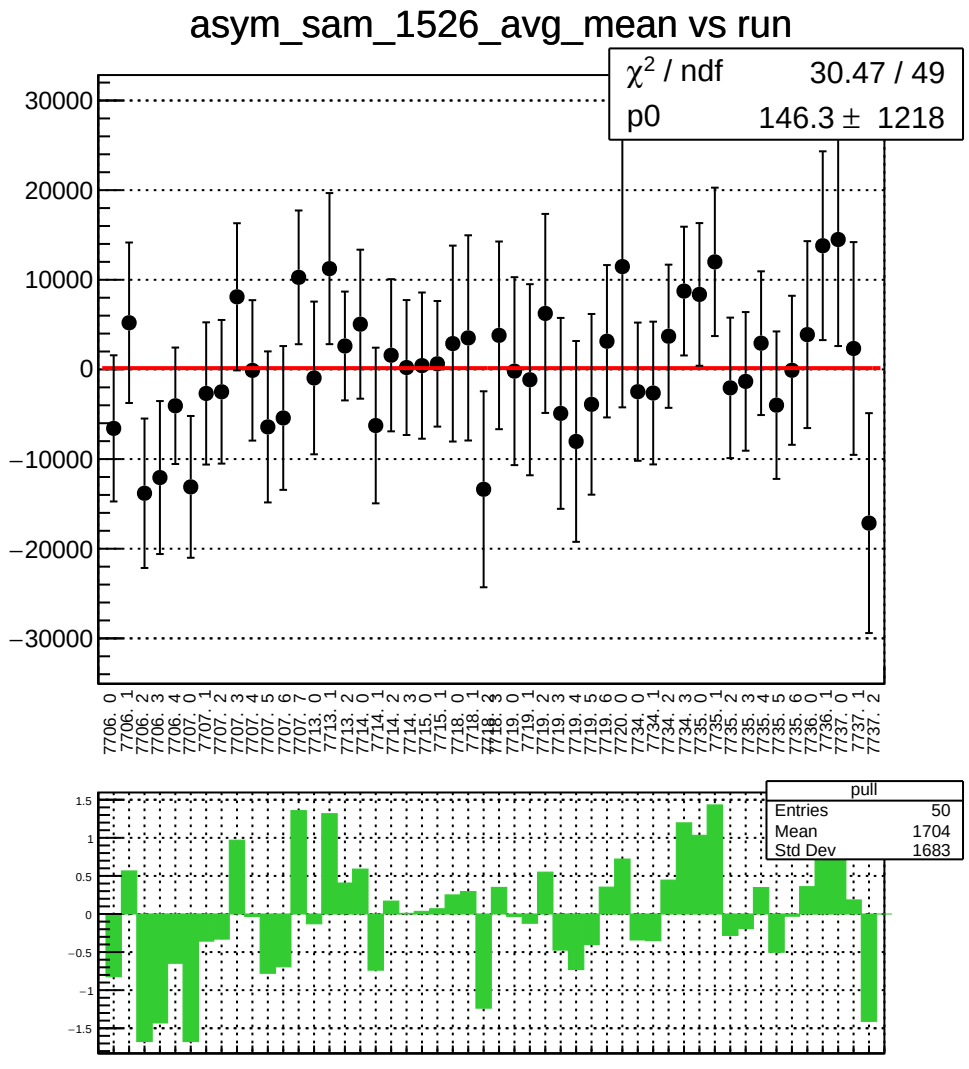

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 27.12 / 49
p0 35.14 ± 203.7
4000
2000
0
−2000
−4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 128.6
Std Dev 107.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01523
Std Dev 0.7363
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

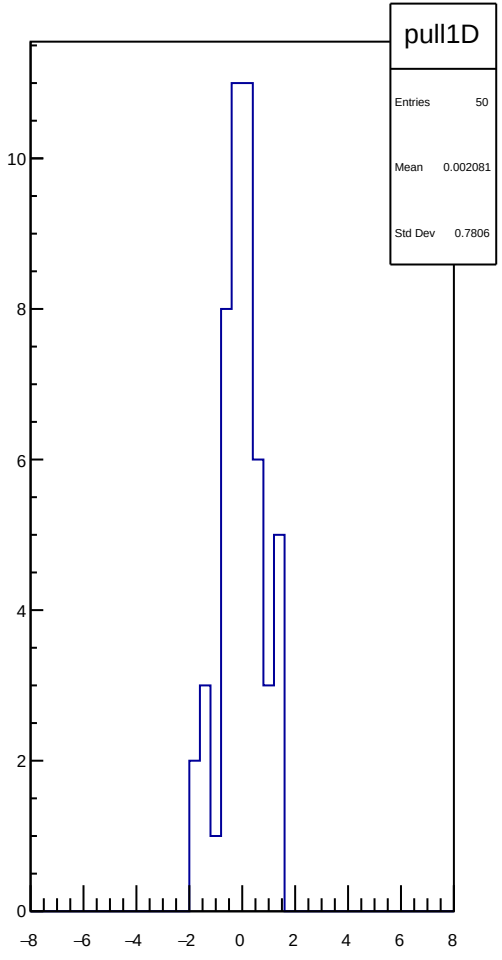

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.016e+04 / 49
p0 138.8 ± 0.1441
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

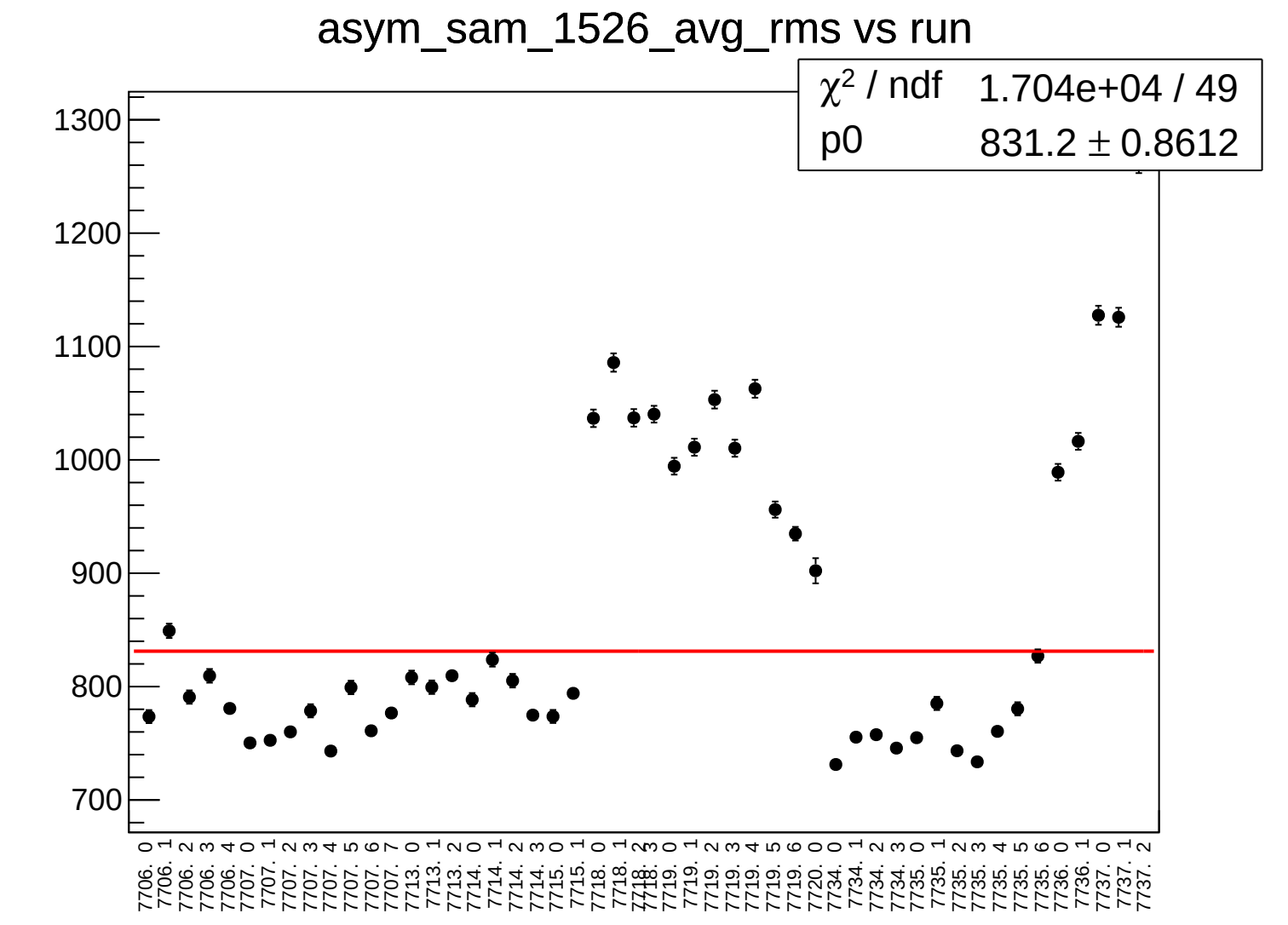

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 29.34 / 49
p0 −145.9 ± 1250
pull
Entries 50
Mean −891.4
Std Dev 912.2

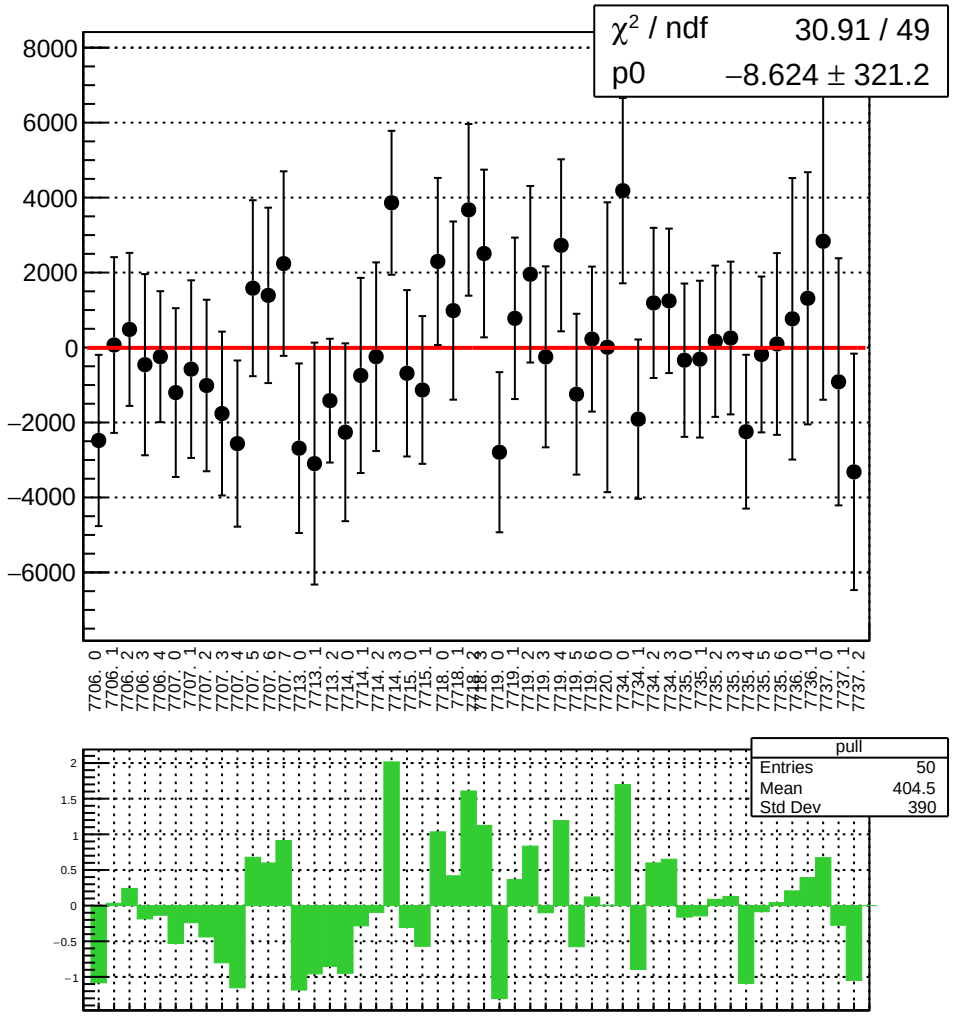

pull1D
Entries 50
Mean 0.003307
Std Dev 0.766

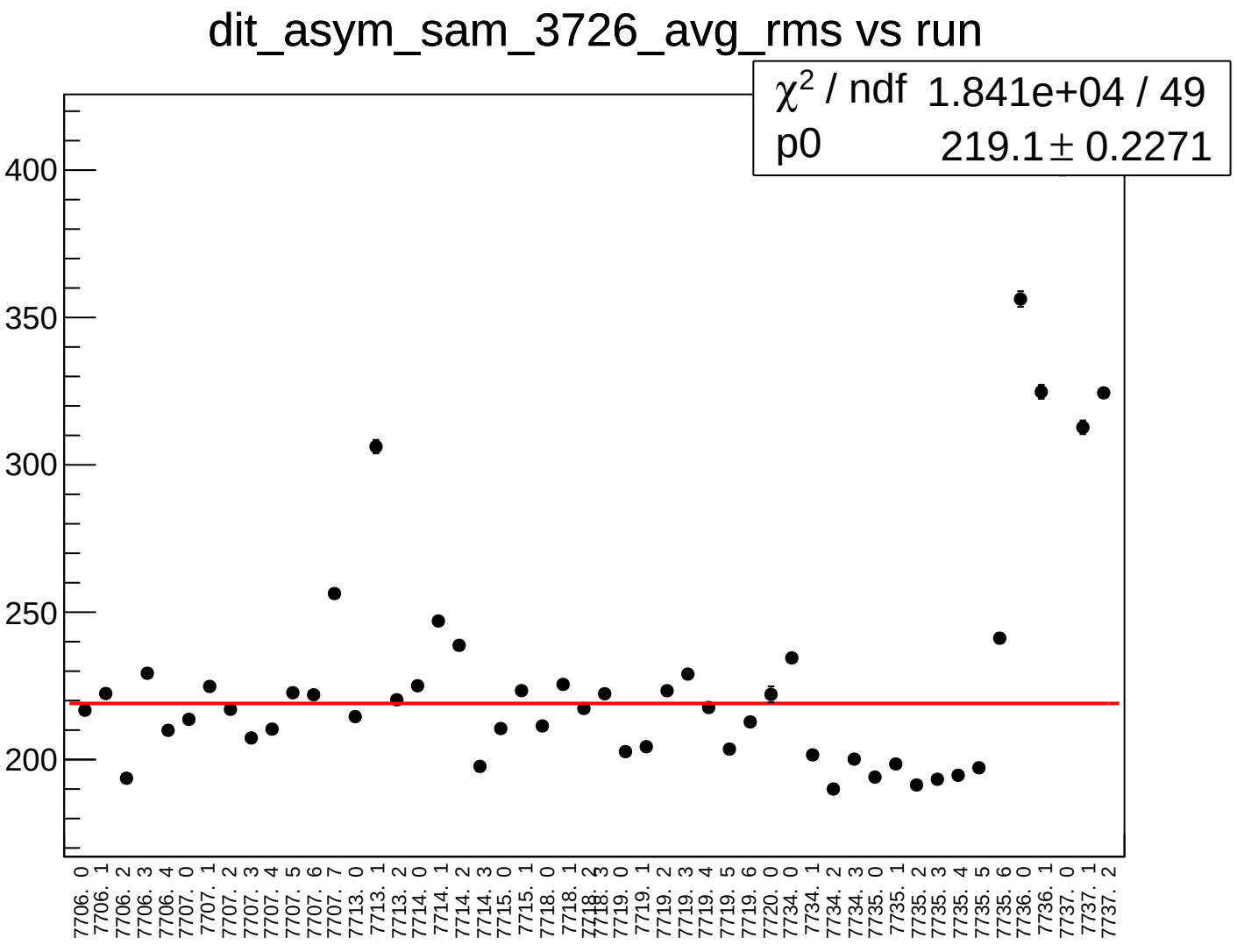

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1.58e+04 / 49
p0 853.4 ± 0.8836
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

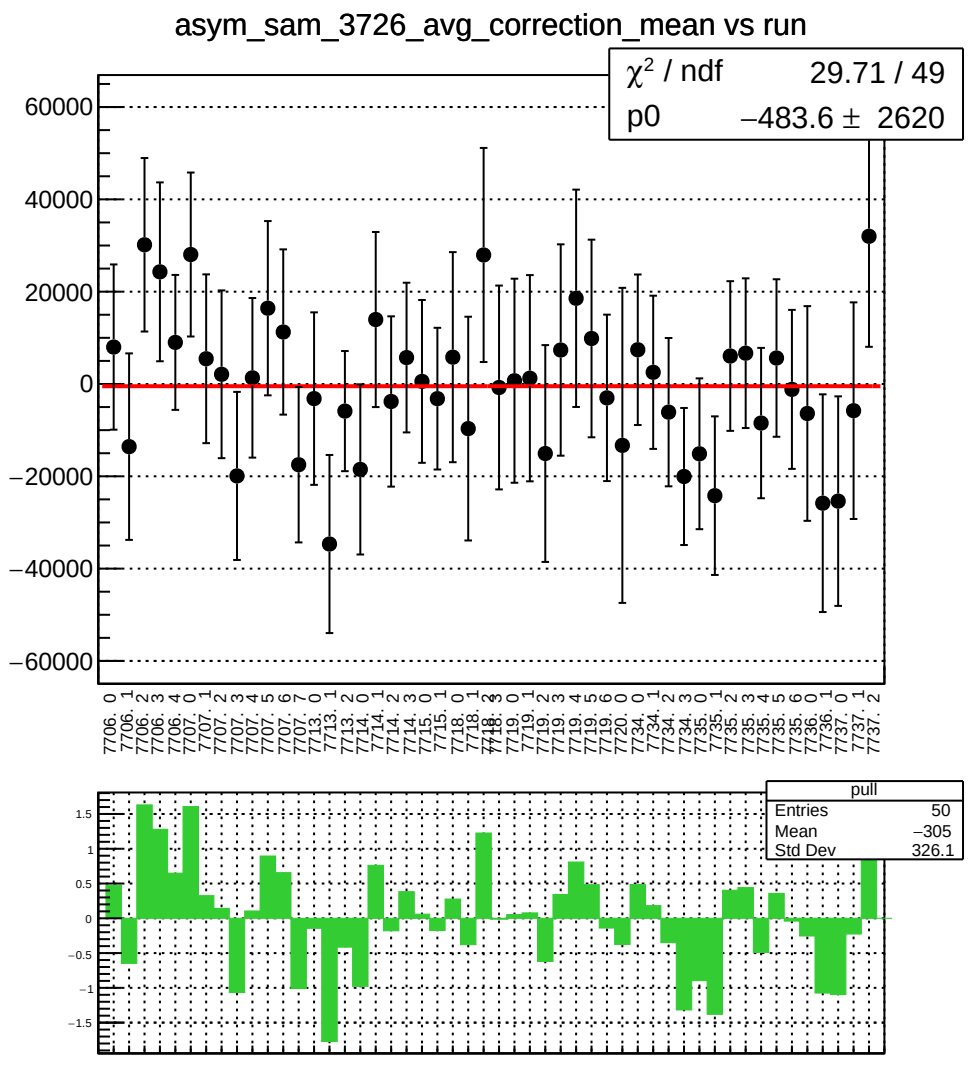

asym_sam_1526_avg_mean vs run
χ² / ndf 30.47 / 49
p0 146.3 ± 1218
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 1704
Std Dev 1683
1.5
1
0.5
0
−0.5
−1
−1.5

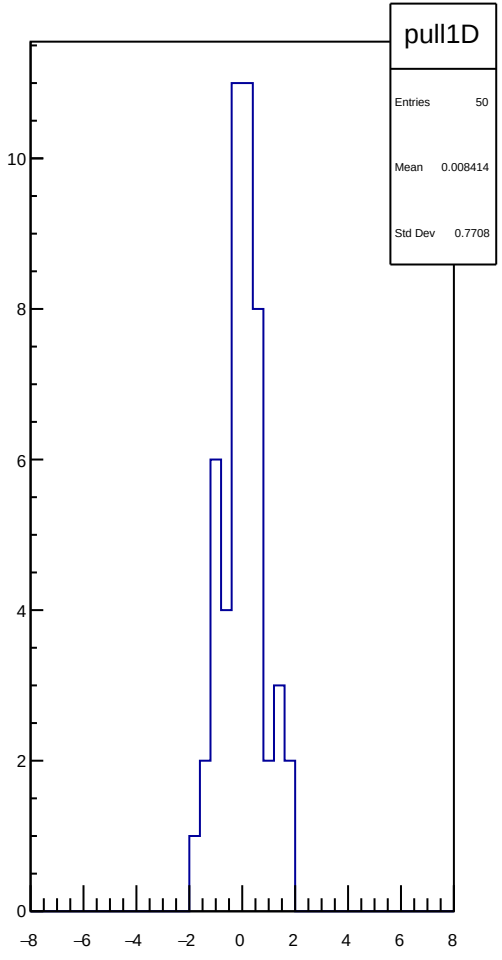

pull1D
Entries 50
Mean 0.002081
Std Dev 0.7806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

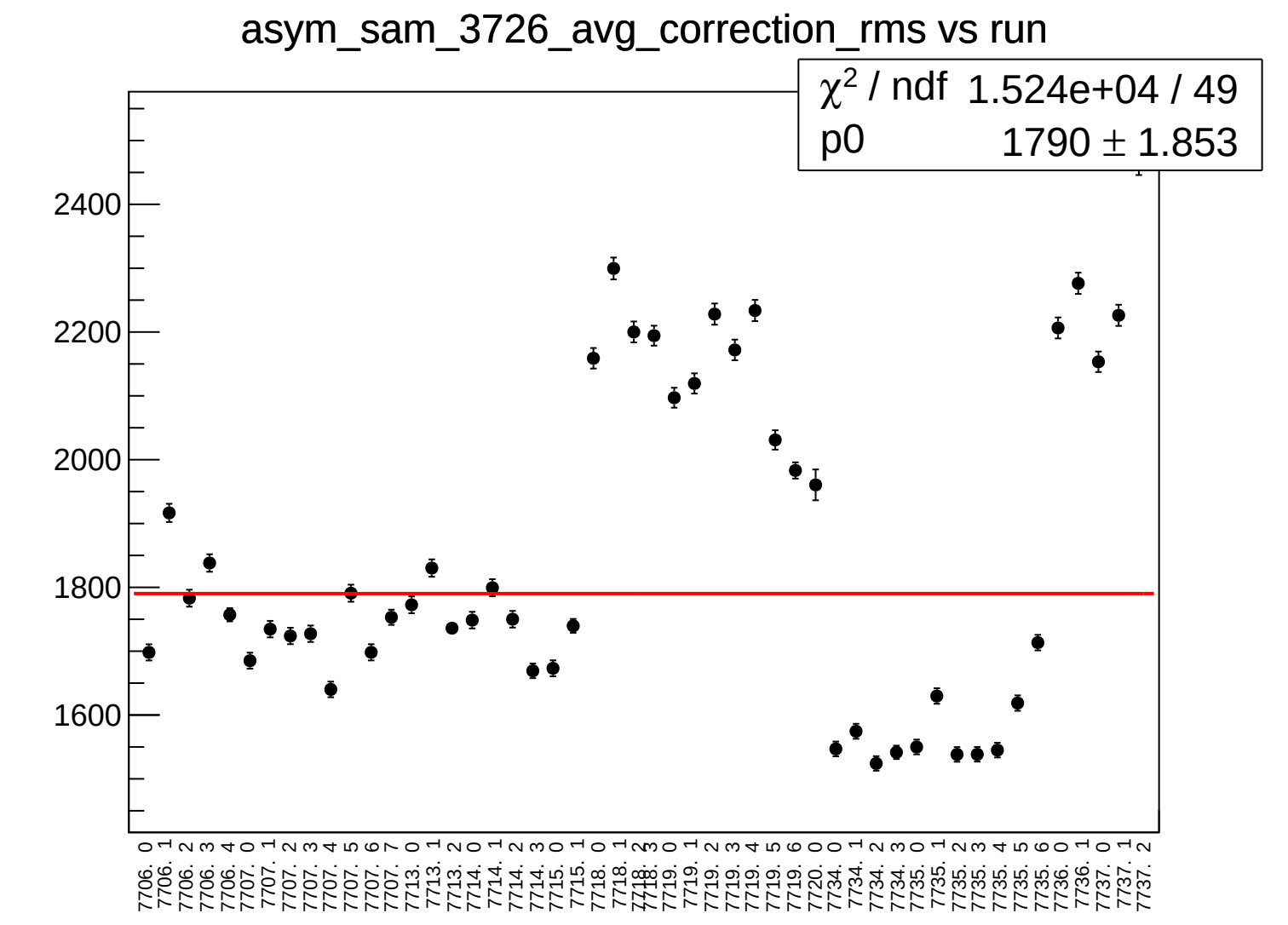

asym_sam_1526_avg_rms vs run
χ² / ndf 1.704e+04 / 49
p0 831.2 ± 0.8612
1300
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

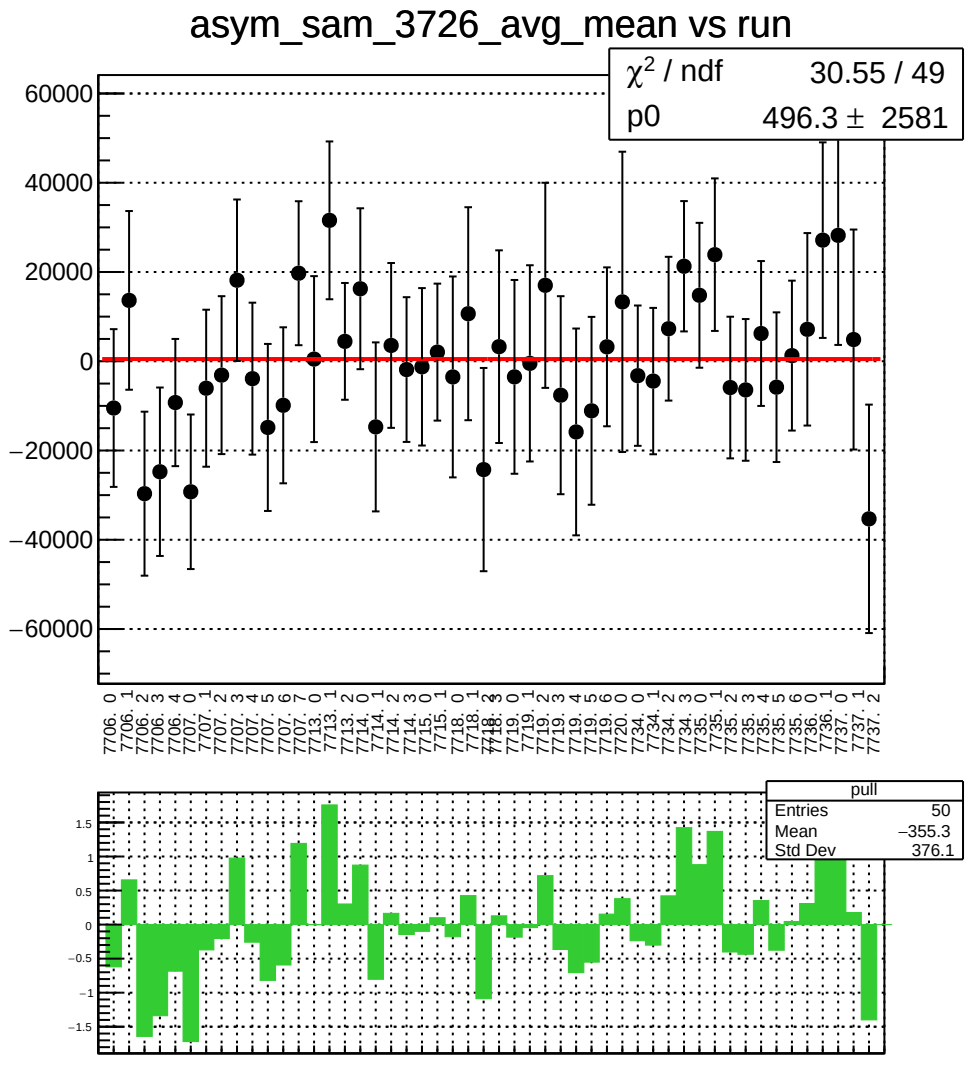

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 30.91 / 49
p0 −8.624 ± 321.2
8000
6000
4000
2000
0
−2000
−4000
−6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 404.5
Std Dev 390
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.004462
Std Dev 0.7862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

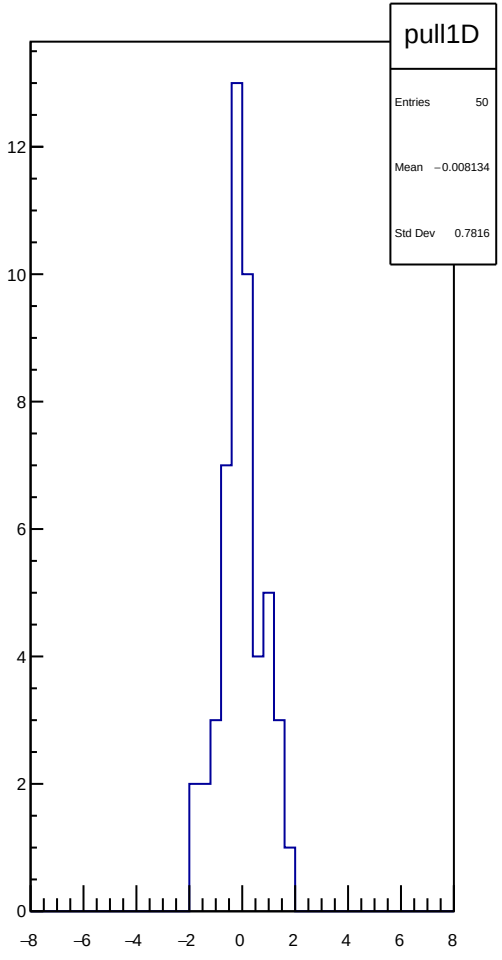

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.841e+04 / 49
p0 219.1 ± 0.2271
400
350
300
250
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

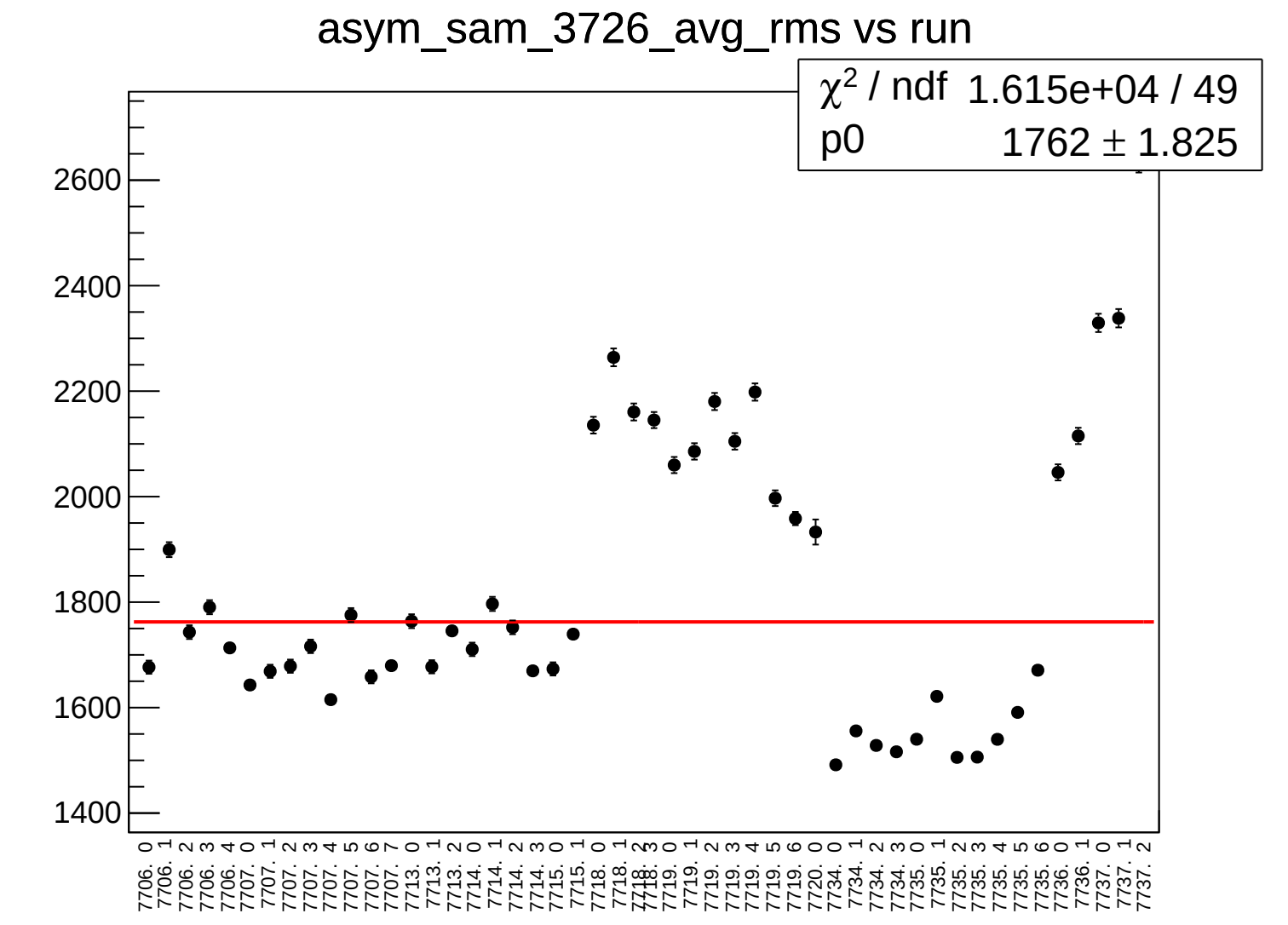

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 29.71 / 49
p0 −483.6 ± 2620
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −305
Std Dev 326.1
1.5
1
0.5
0
−0.5
−1
−1.5

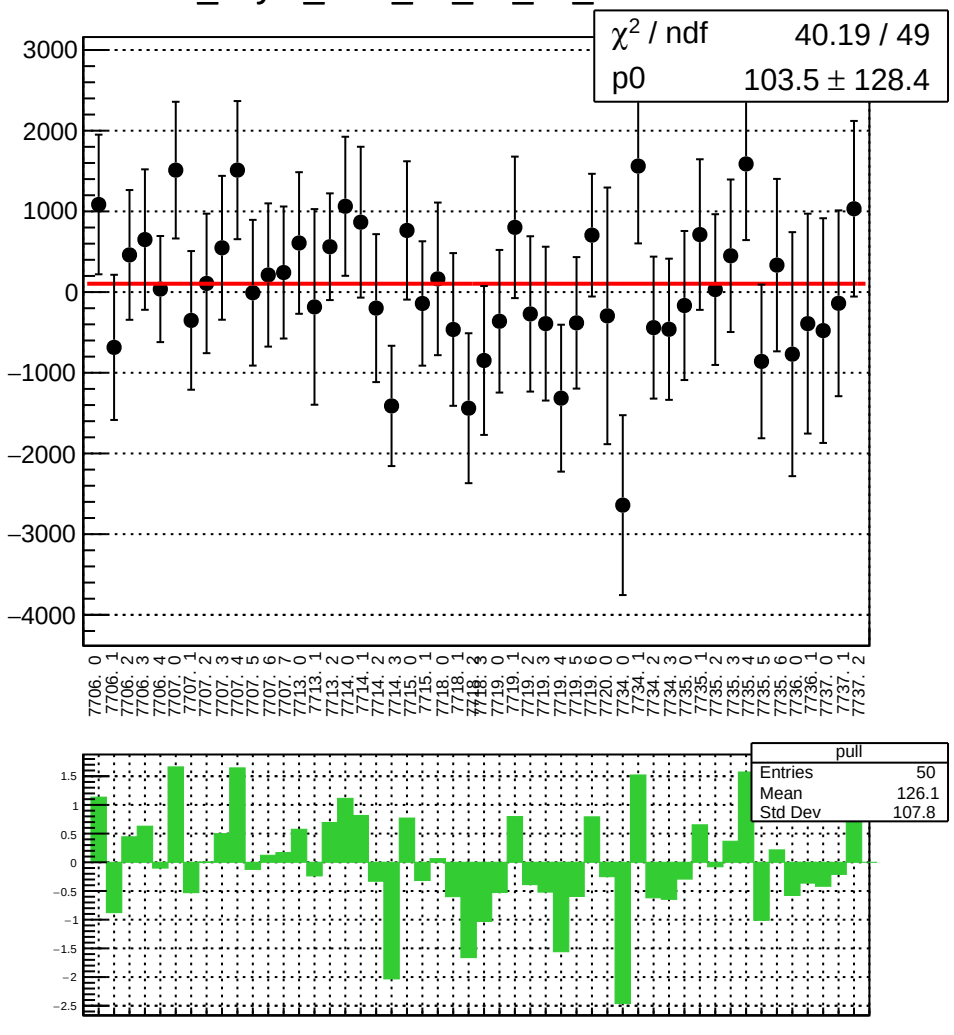

pull1D
Entries 50
Mean 0.008414
Std Dev 0.7708
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

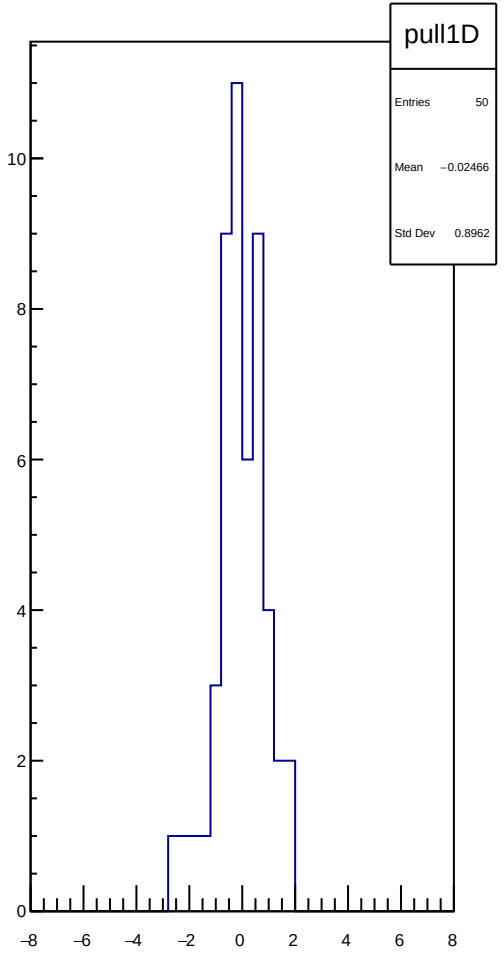

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.524e+04 / 49
p0 1790 ± 1.853
2400
2200
2000
1800
1600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

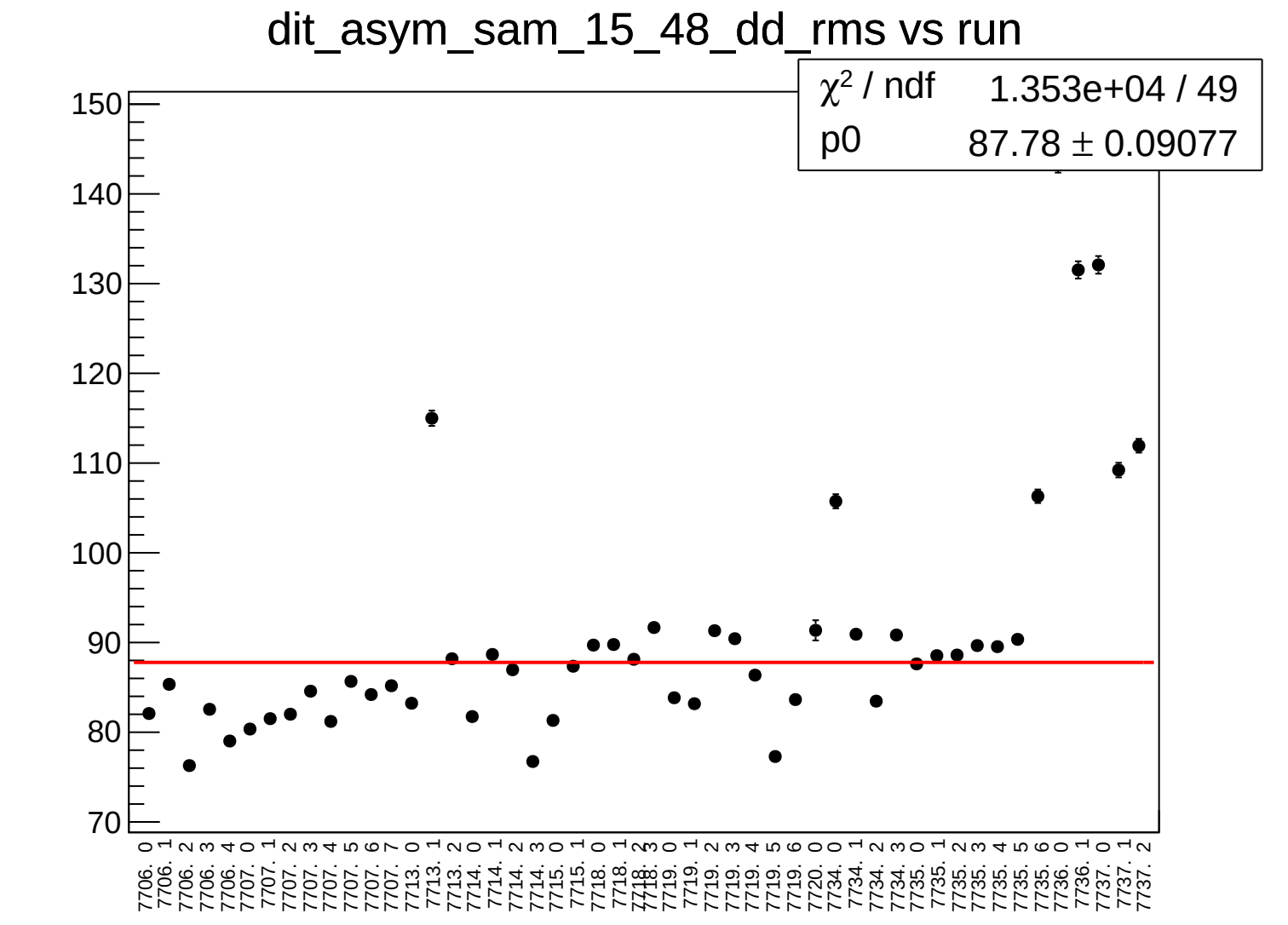

asym_sam_3726_avg_mean vs run
χ² / ndf 30.55 / 49
p0 496.3 ± 2581
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −355.3
Std Dev 376.1
1.5
1
0.5
0
−0.5
−1
−1.5

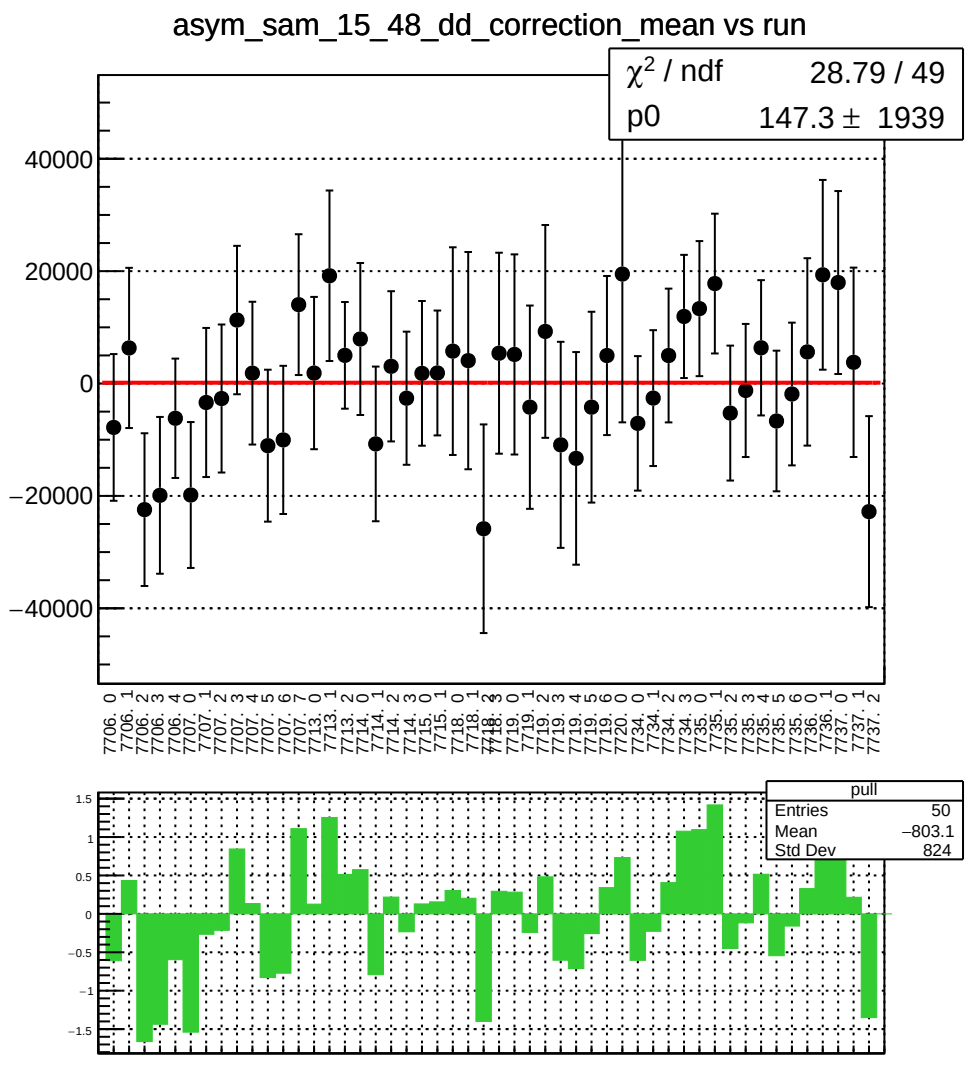

pull1D
Entries 50
Mean −0.008134
Std Dev 0.7816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

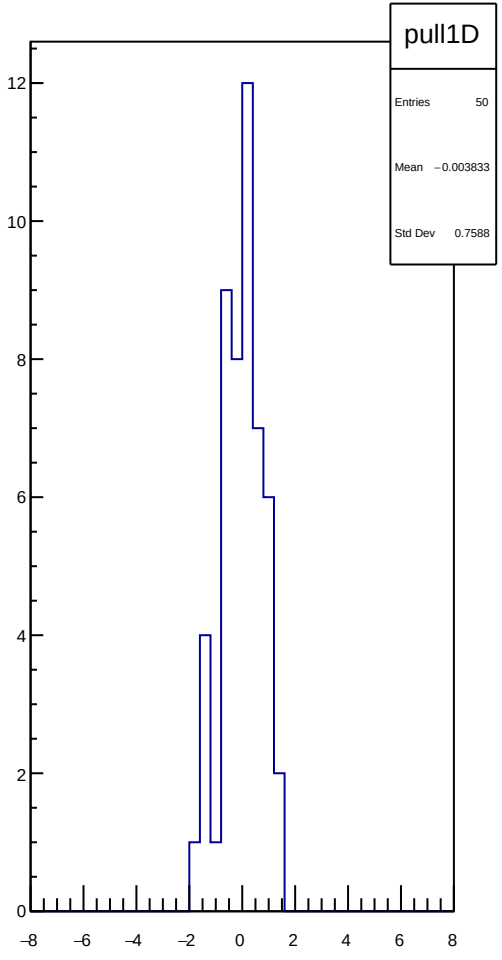

asym_sam_3726_avg_rms vs run
χ² / ndf 1.615e+04 / 49
p0 1762 ± 1.825
2600
2400
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

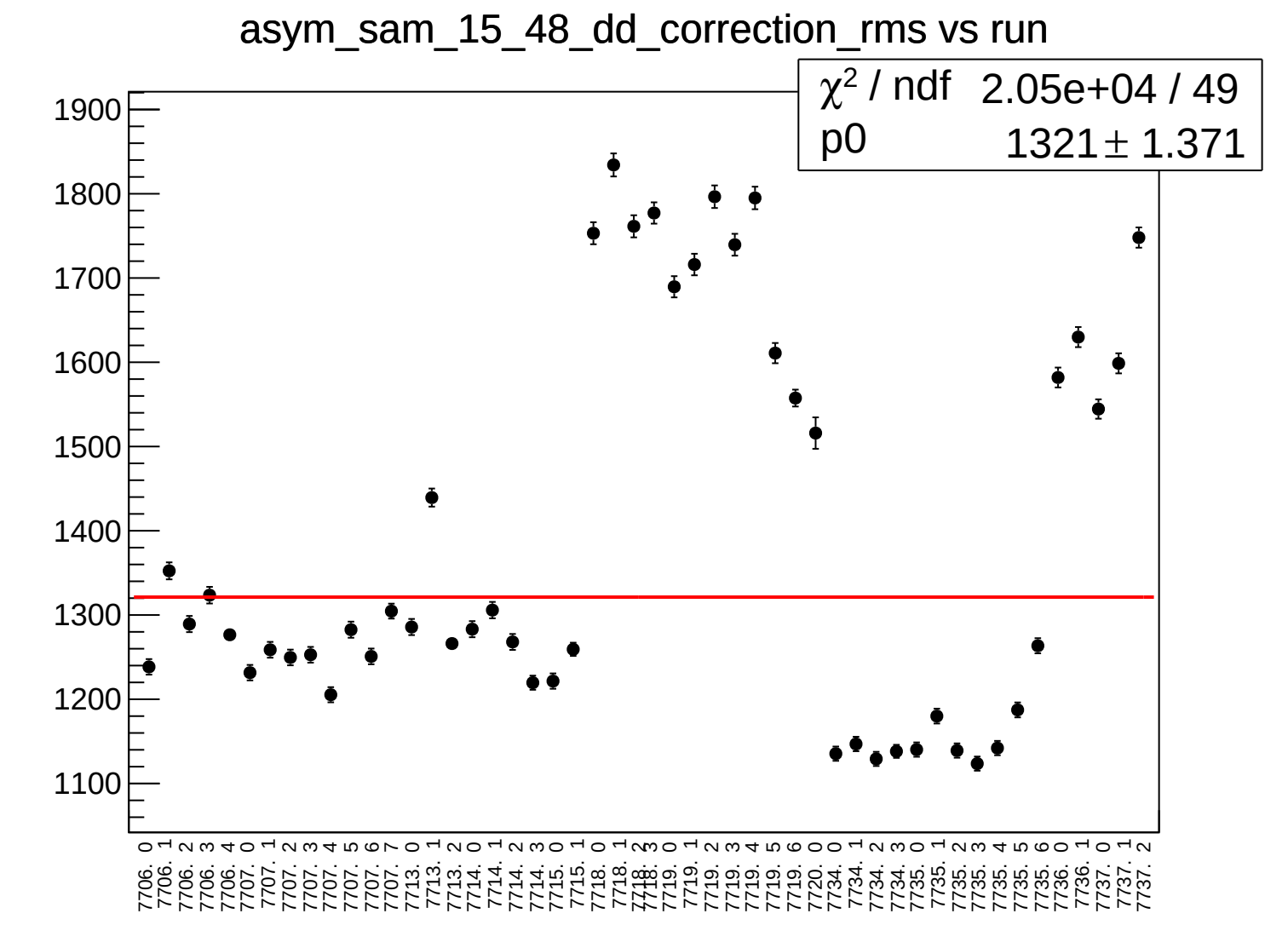

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 40.19 / 49
p0 103.5 ± 128.4
pull
Entries 50
Mean 126.1
Std Dev 107.8

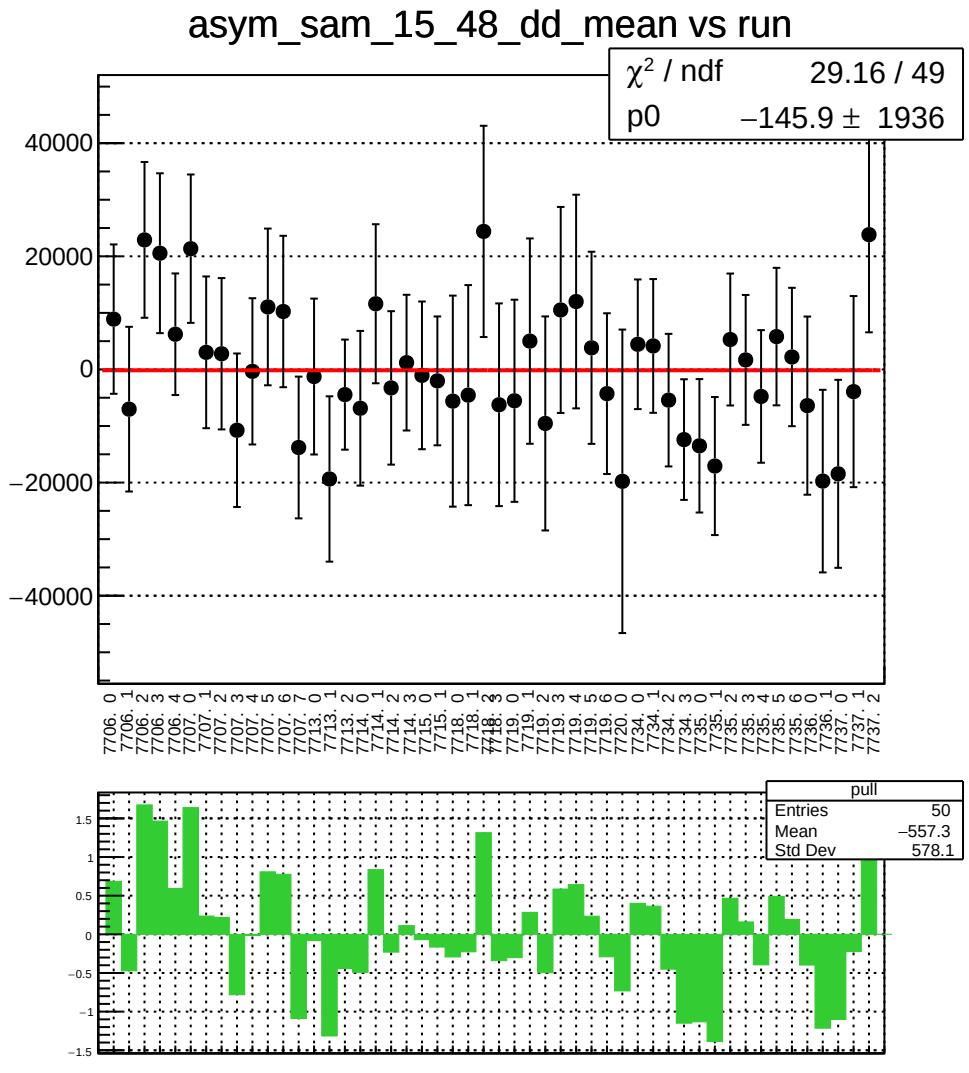

pull1D
Entries 50
Mean −0.02466
Std Dev 0.8962

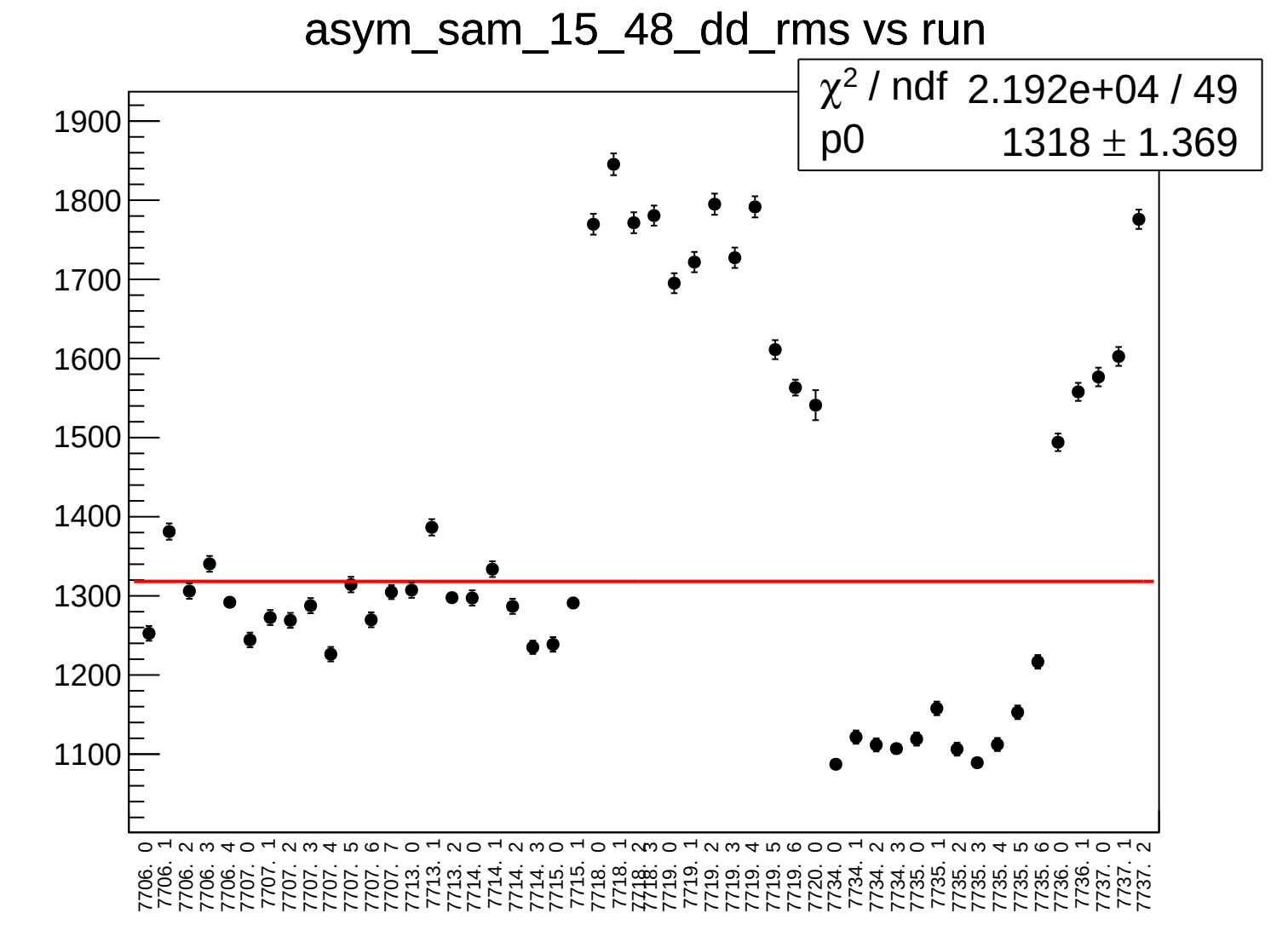

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.353e+04 / 49
p0 87.78 ± 0.09077
150
140
130
120
110
100
90
80
70
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

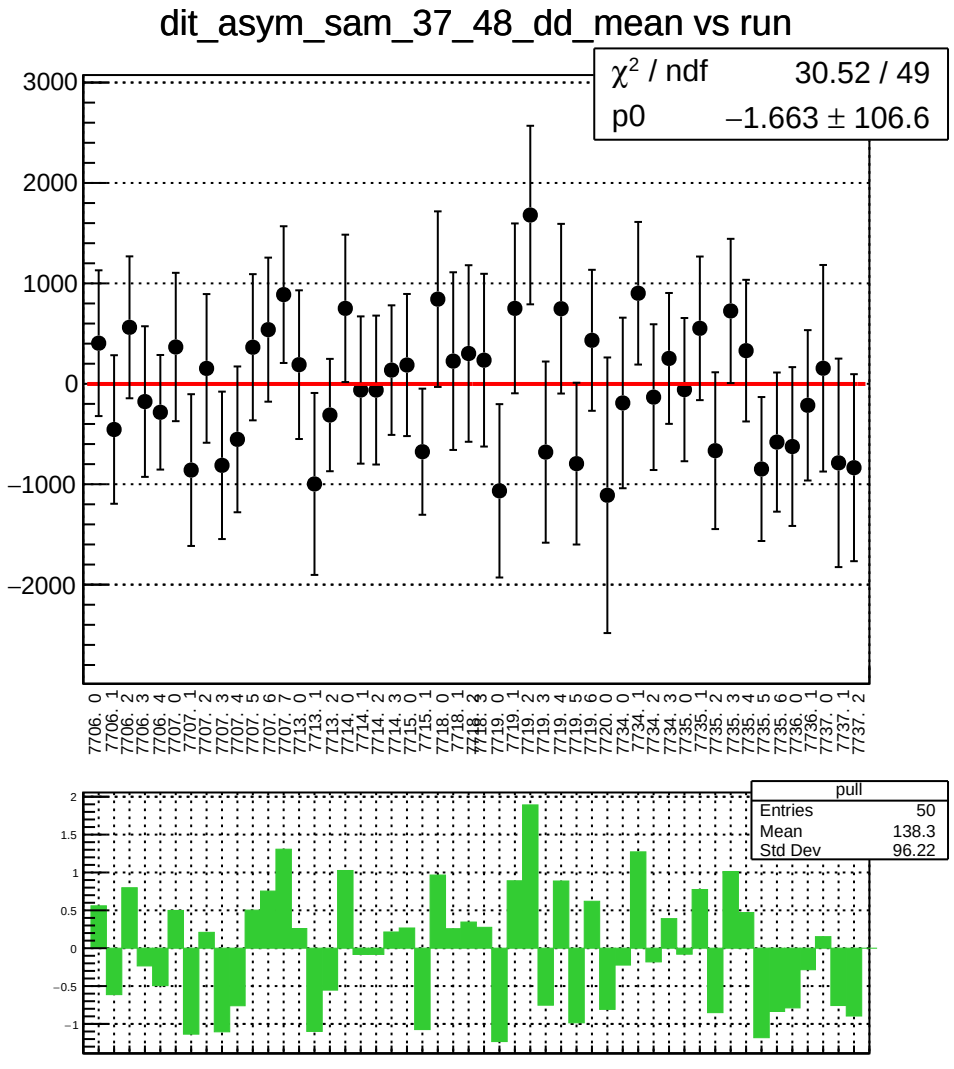

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 28.79 / 49
p0 147.3 ± 1939
40000
20000
0
−20000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −803.1
Std Dev 824
1.5
1
0.5
0
−0.5
−1
−1.5

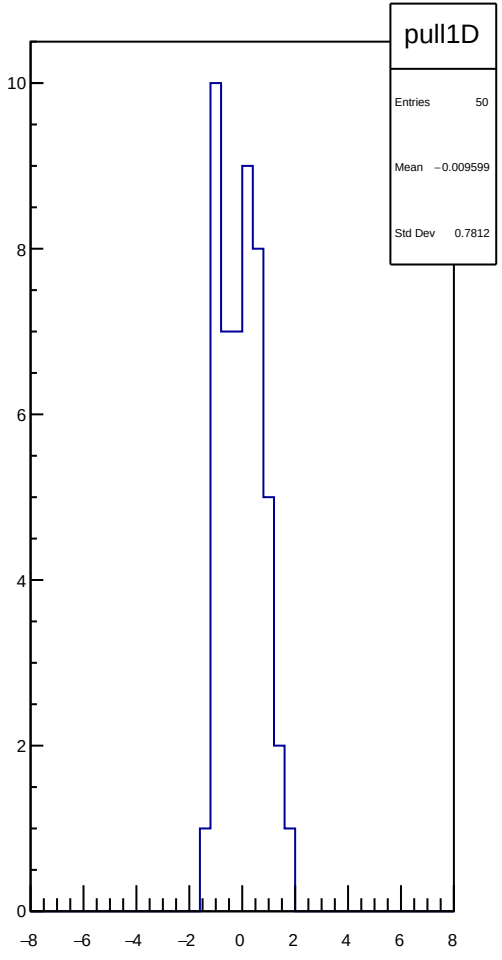

pull1D
Entries 50
Mean −0.003833
Std Dev 0.7588
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

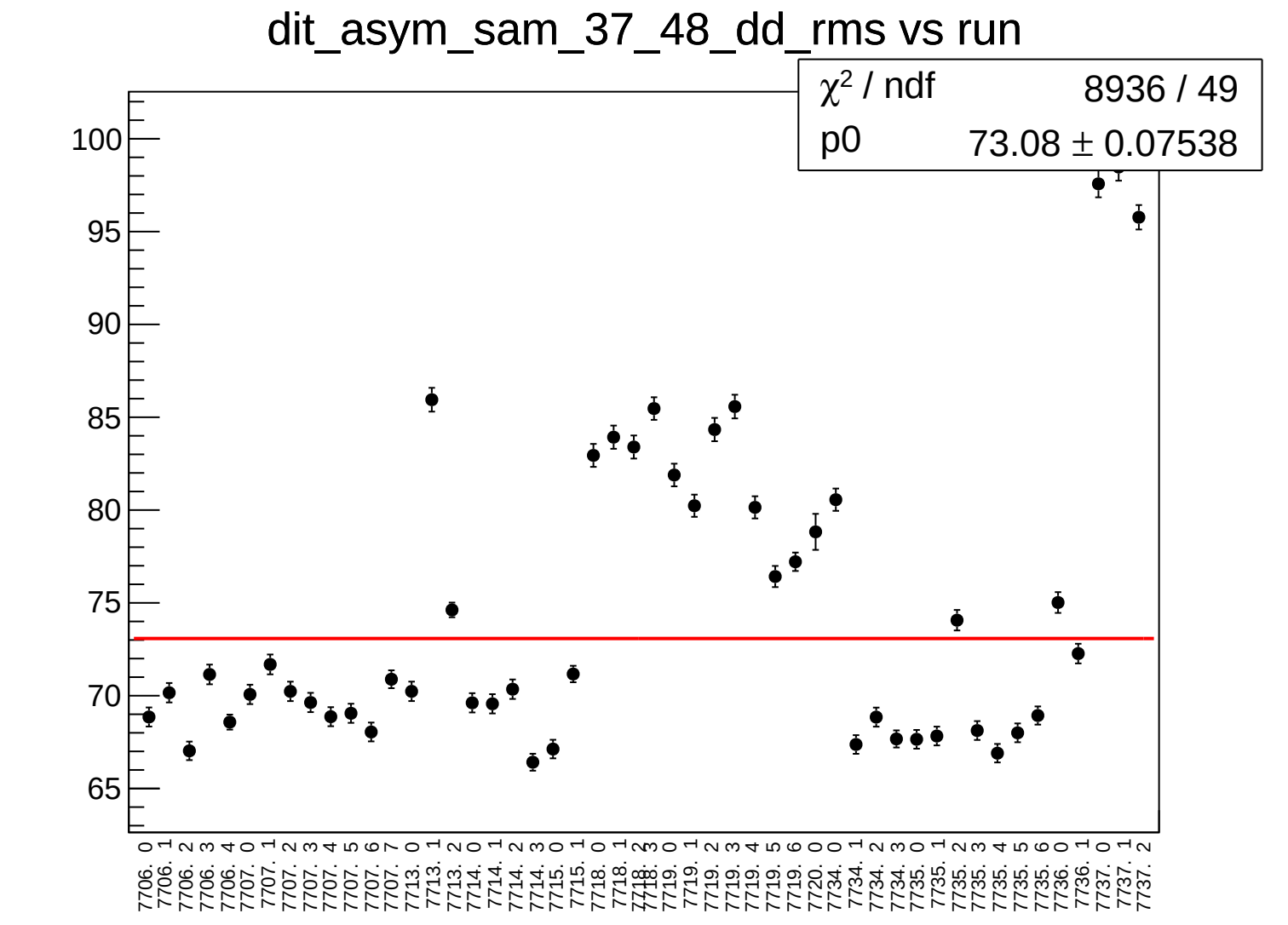

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2.05e+04 / 49
p0 1321 ± 1.371
1900
1800
1700
1600
1500
1400
1300
1200
1100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

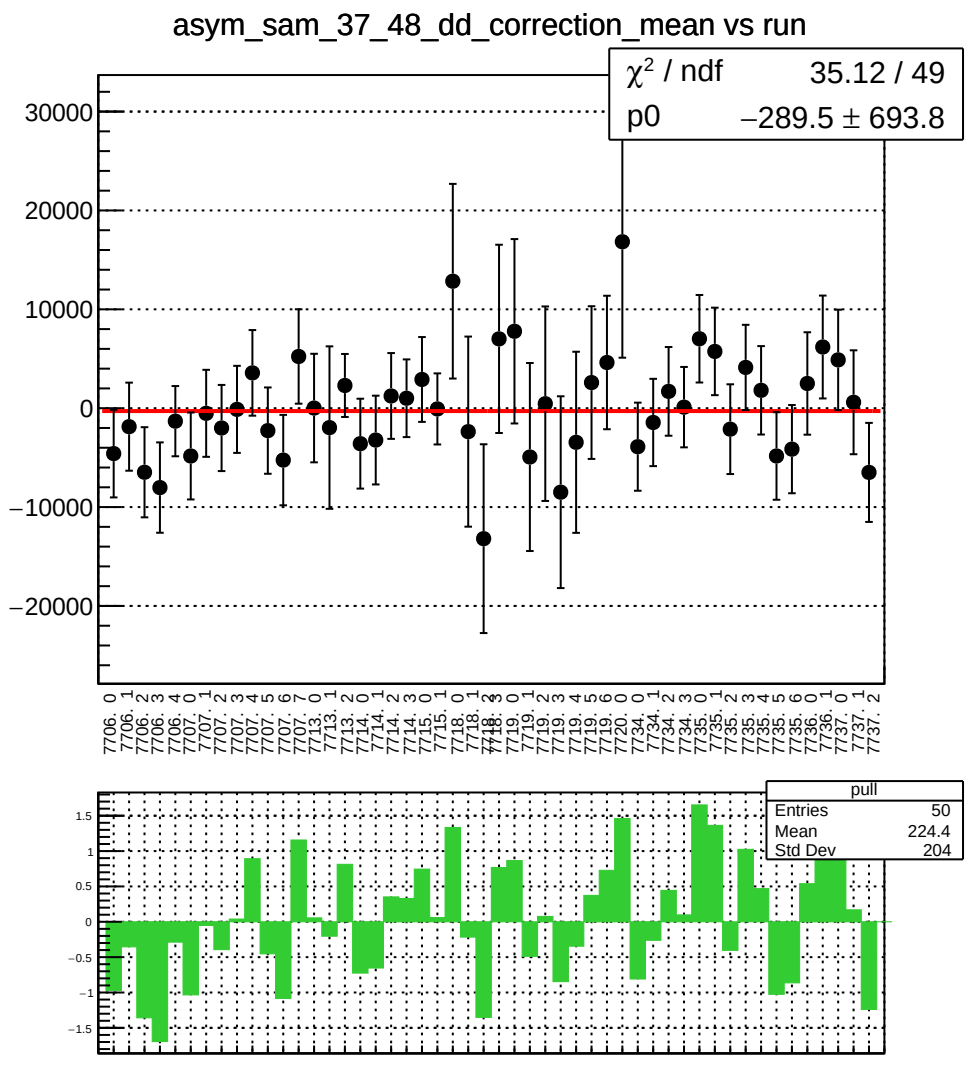

asym_sam_15_48_dd_mean vs run
χ² / ndf 29.16 / 49
p0 −145.9 ± 1936
40000
20000
0
−20000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −557.3
Std Dev 578.1
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.005761
Std Dev 0.7636
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

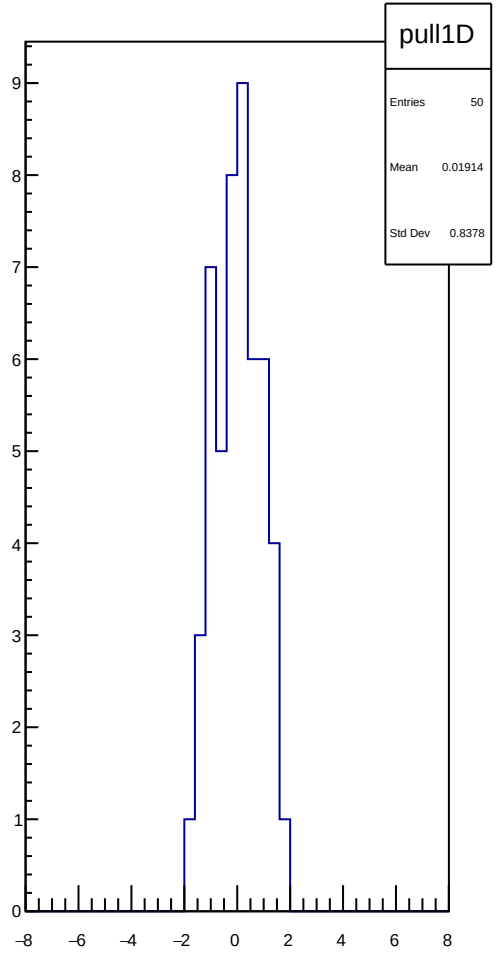

asym_sam_15_48_dd_rms vs run
χ² / ndf 2.192e+04 / 49
p0 1318 ± 1.369
1900
1800
1700
1600
1500
1400
1300
1200
1100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

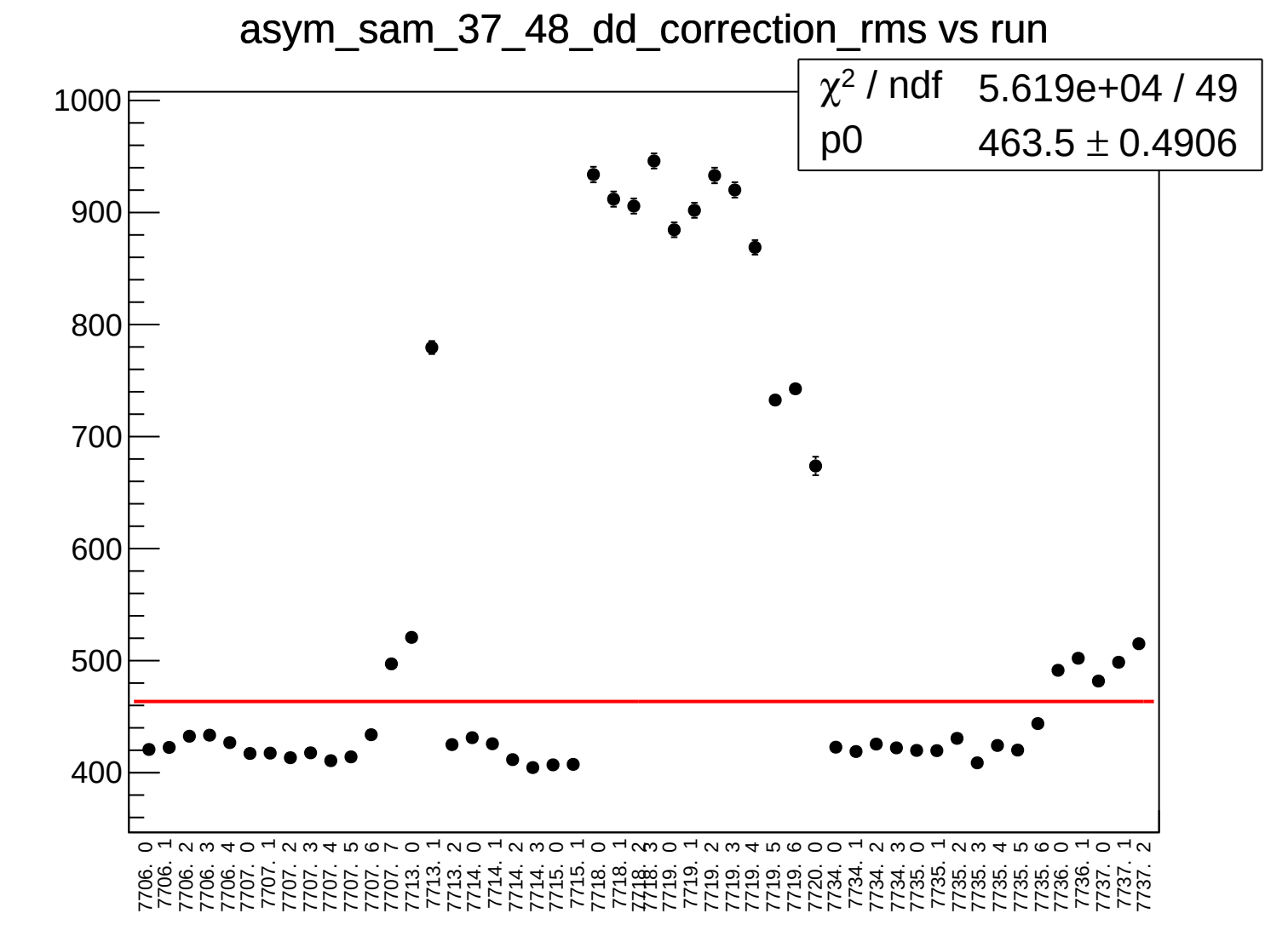

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 30.52 / 49
p0 −1.663 ± 106.6
3000
2000
1000
0
−1000
−2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 138.3
Std Dev 96.22
2
1.5
1
0.5
0
−0.5
−1

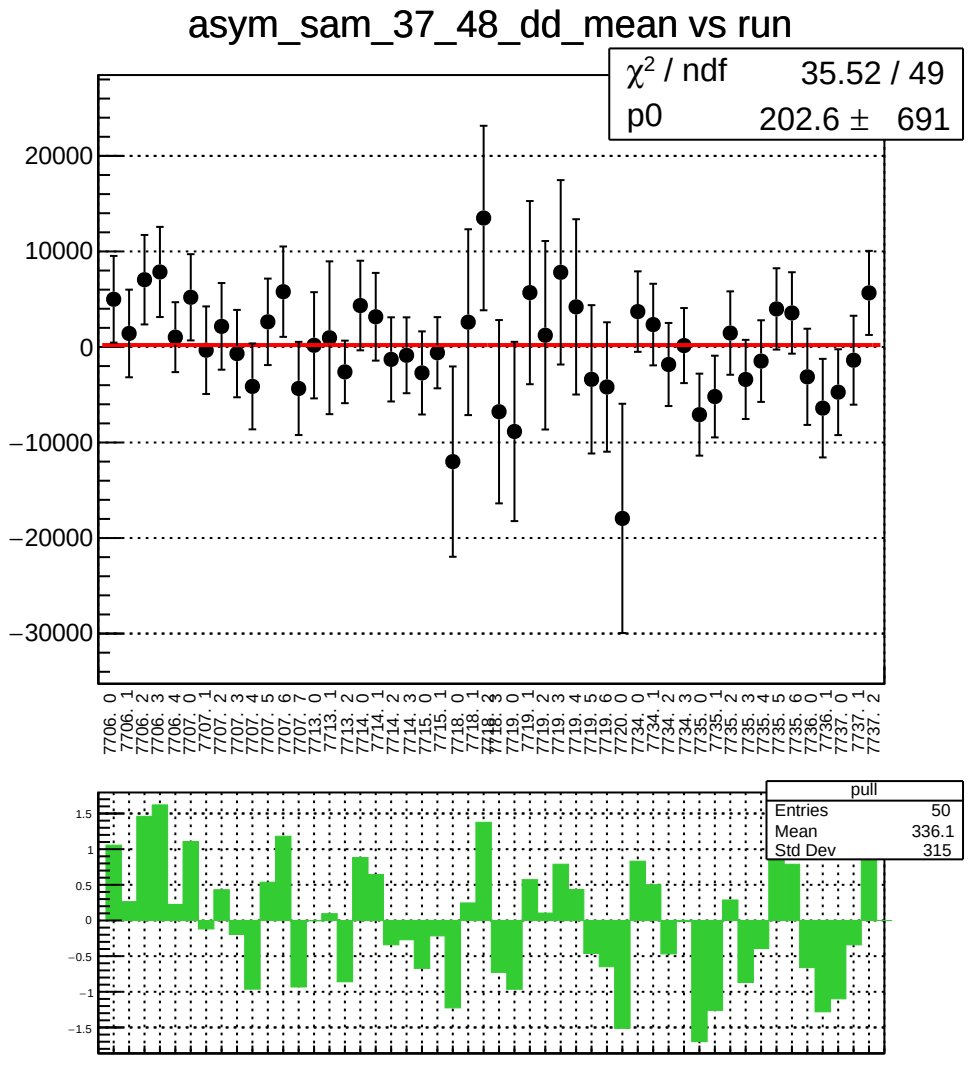

pull1D
Entries 50
Mean −0.009599
Std Dev 0.7812
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

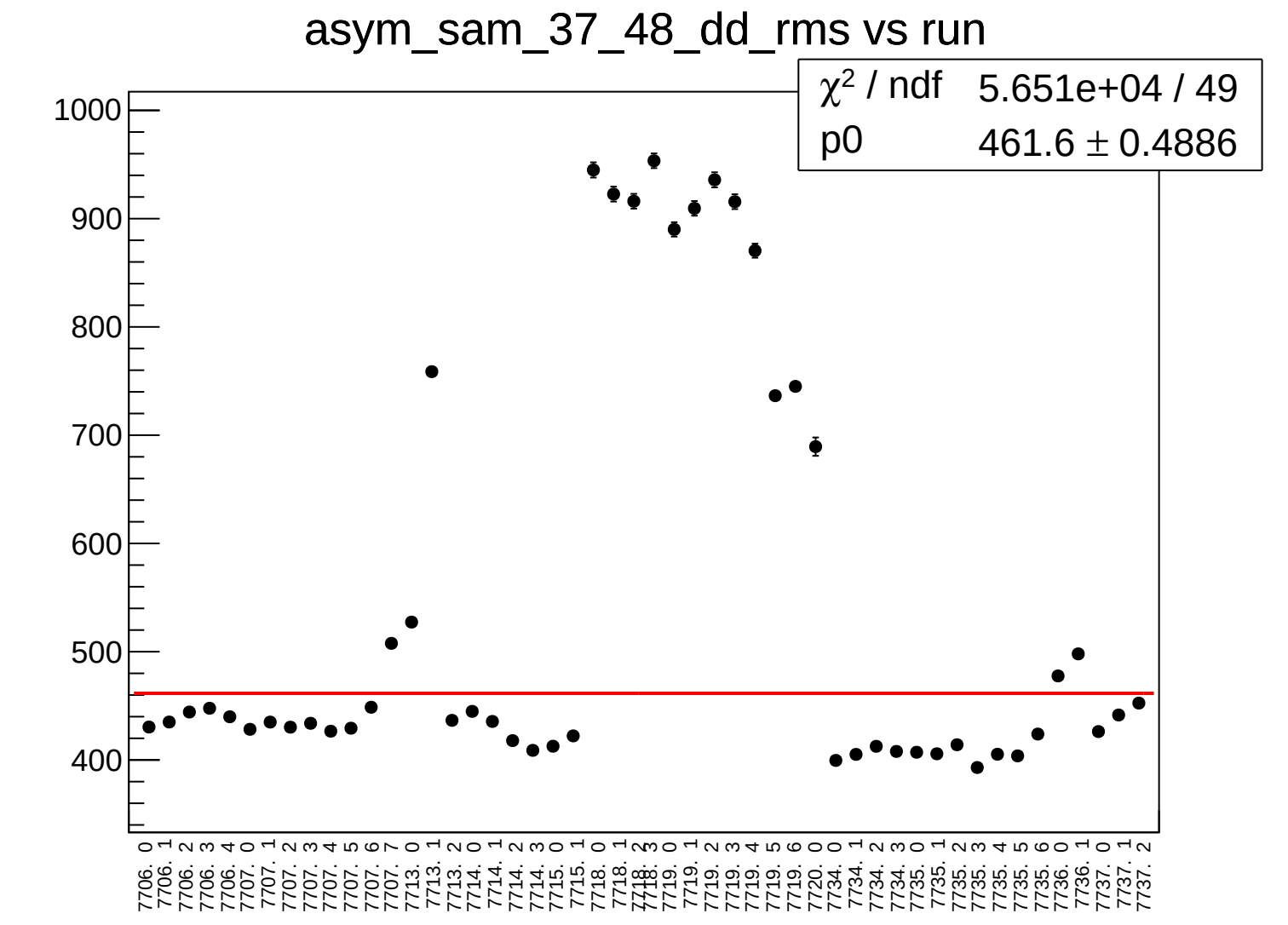

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 8936 / 49
p0 73.08 ± 0.07538
100
95
90
85
80
75
70
65
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

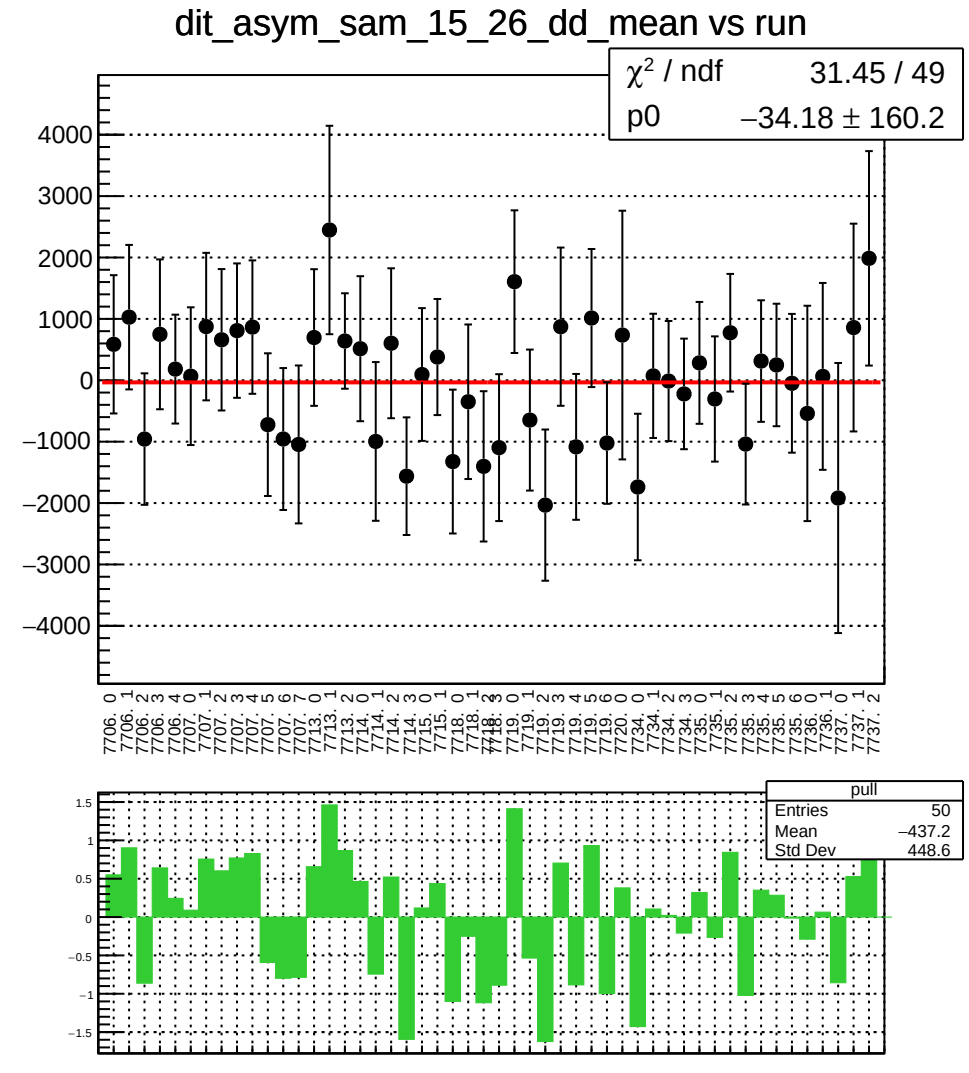

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 35.12 / 49
p0 −289.5 ± 693.8
30000
20000
10000
0
−10000
−20000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 224.4
Std Dev 204
1.5
1
0.5
0
−0.5
−1
−1.5

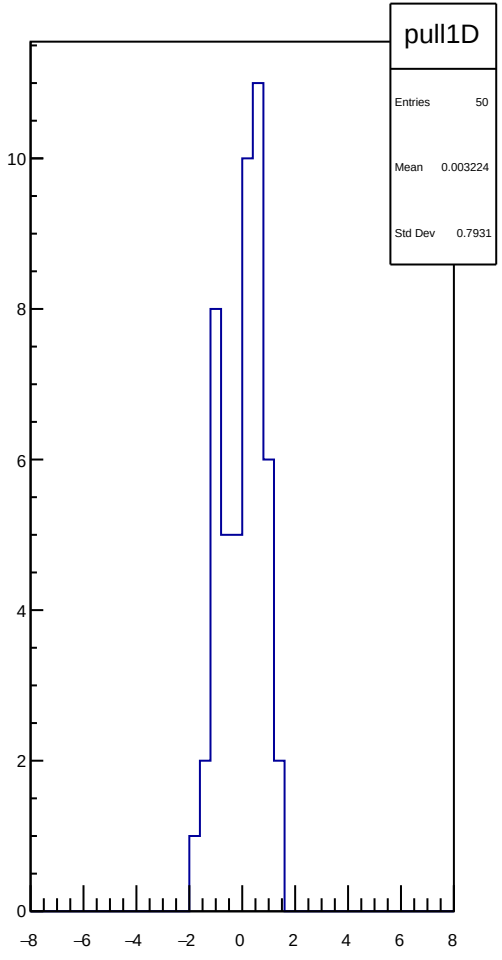

pull1D
Entries 50
Mean 0.01914
Std Dev 0.8378
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

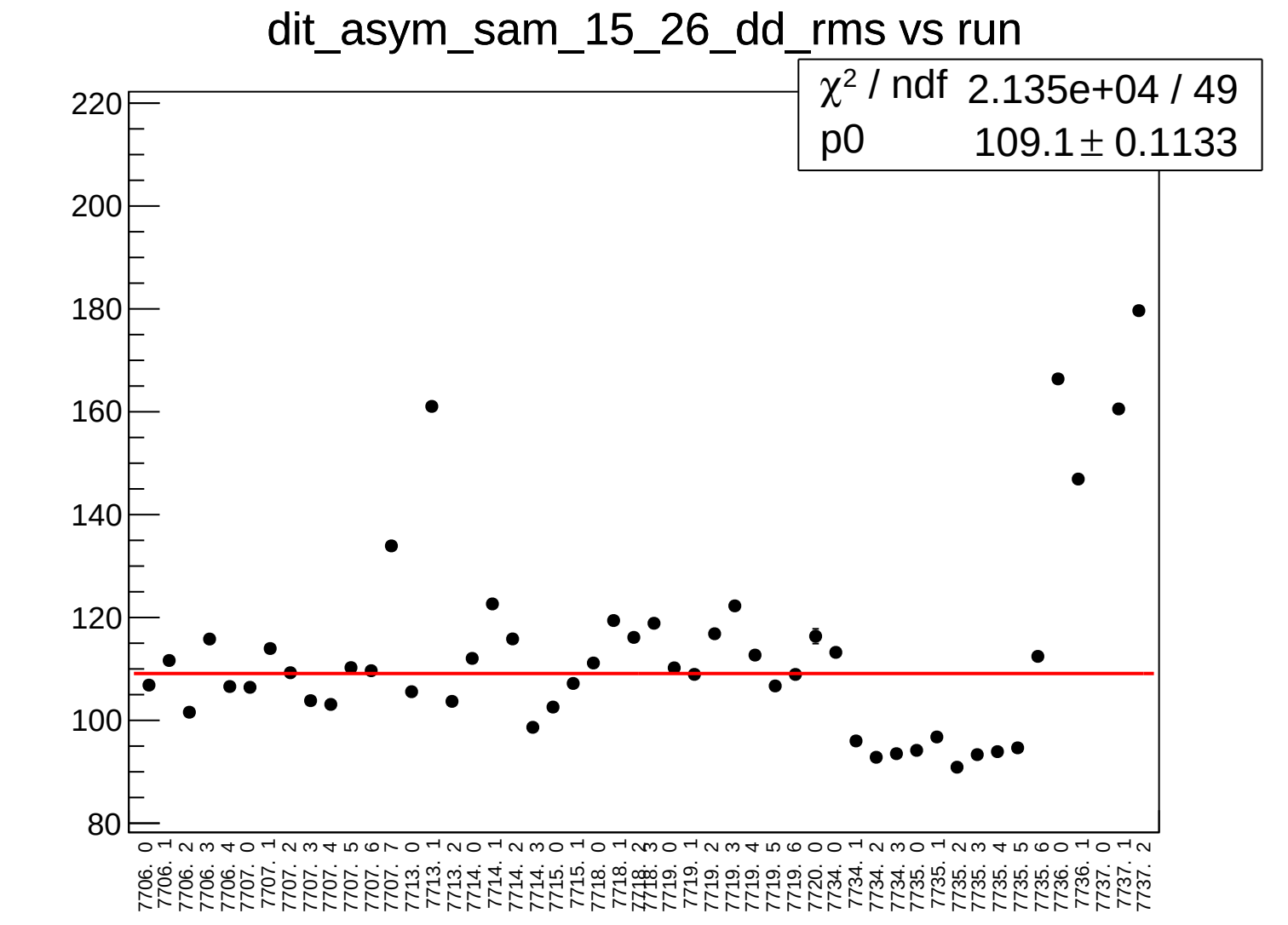

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 5.619e+04 / 49
p0 463.5 ± 0.4906
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

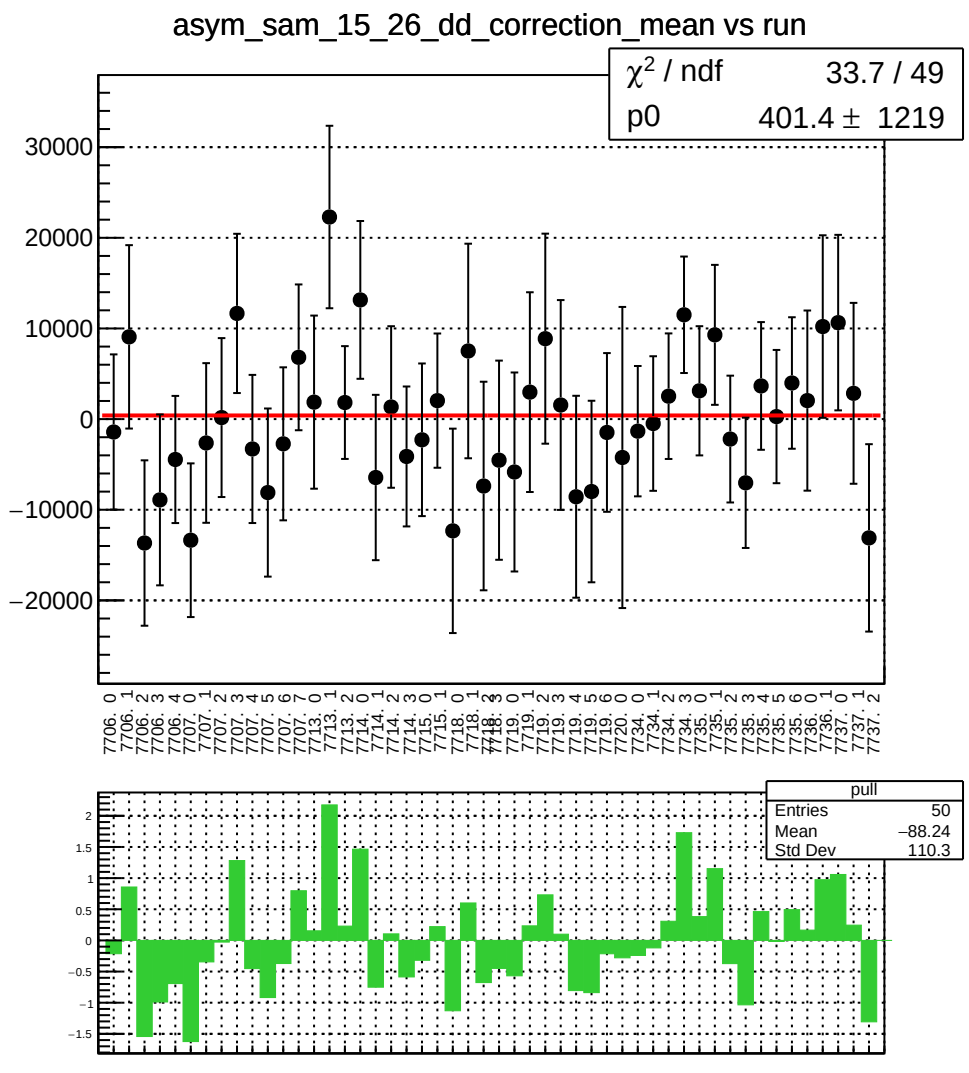

asym_sam_37_48_dd_mean vs run
χ² / ndf 35.52 / 49
p0 202.6 ± 691
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 336.1
Std Dev 315
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.01271
Std Dev 0.8428
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

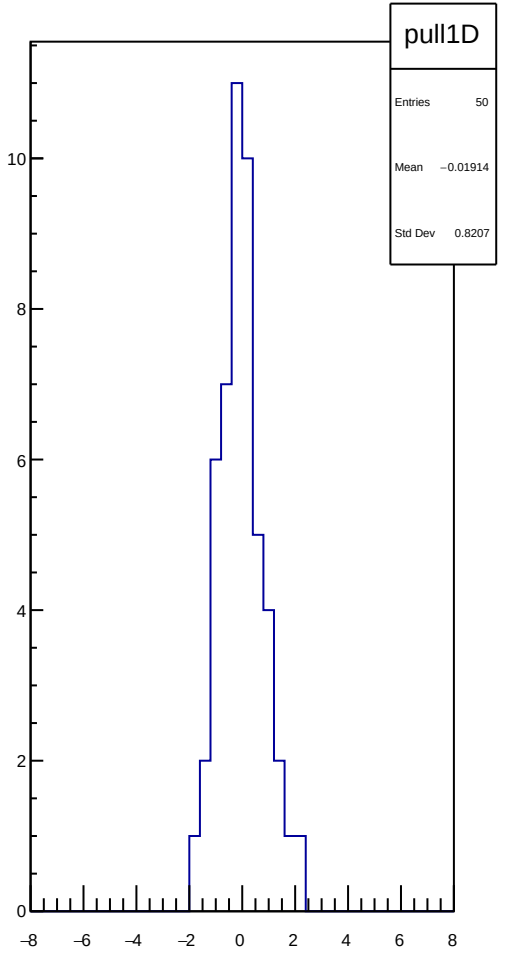

asym_sam_37_48_dd_rms vs run
χ² / ndf 5.651e+04 / 49
p0 461.6 ± 0.4886
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

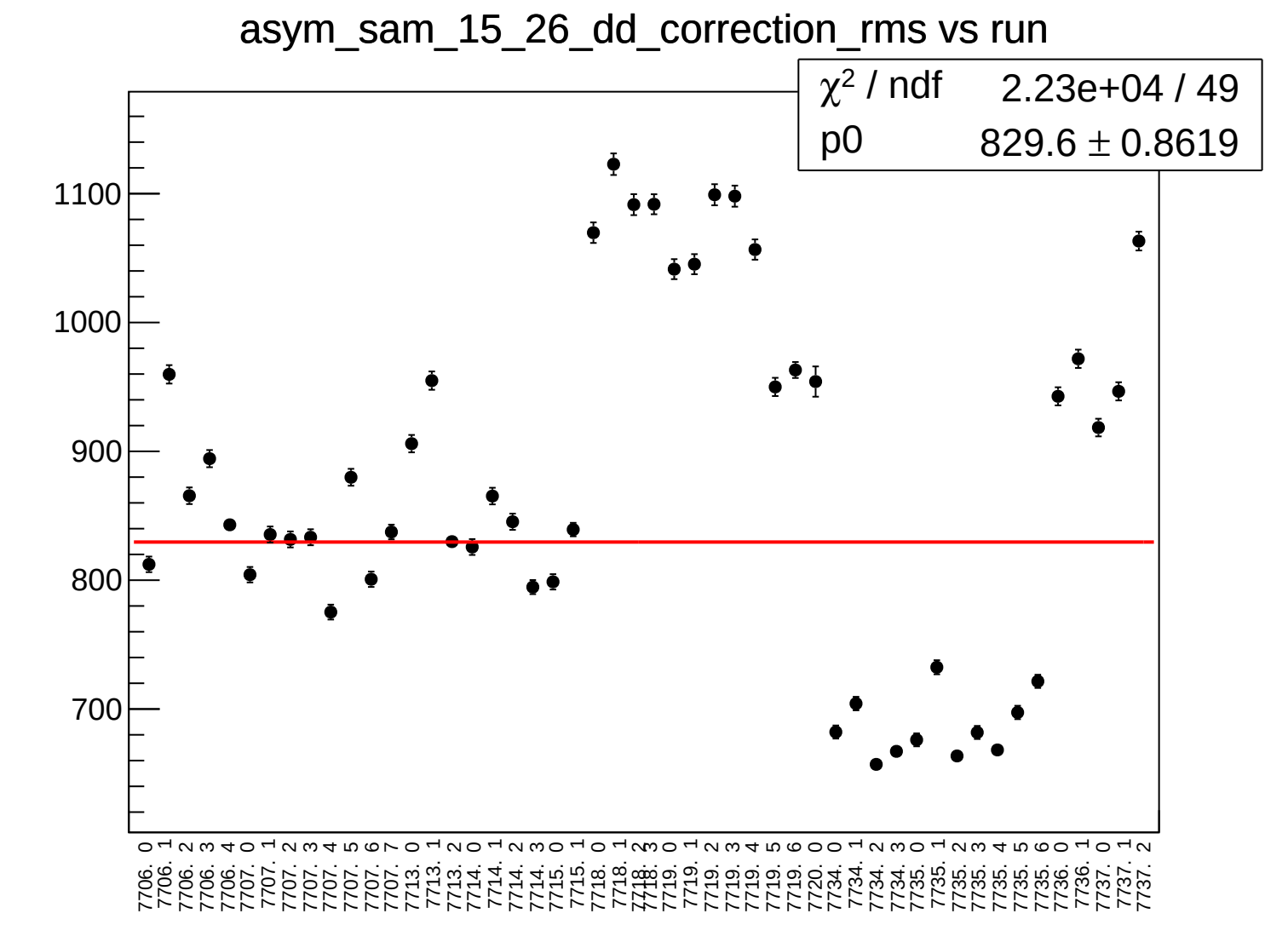

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 31.45 / 49
p0 −34.18 ± 160.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −437.2
Std Dev 448.6
1.5
1
0.5
0
−0.5
−1
−1.5

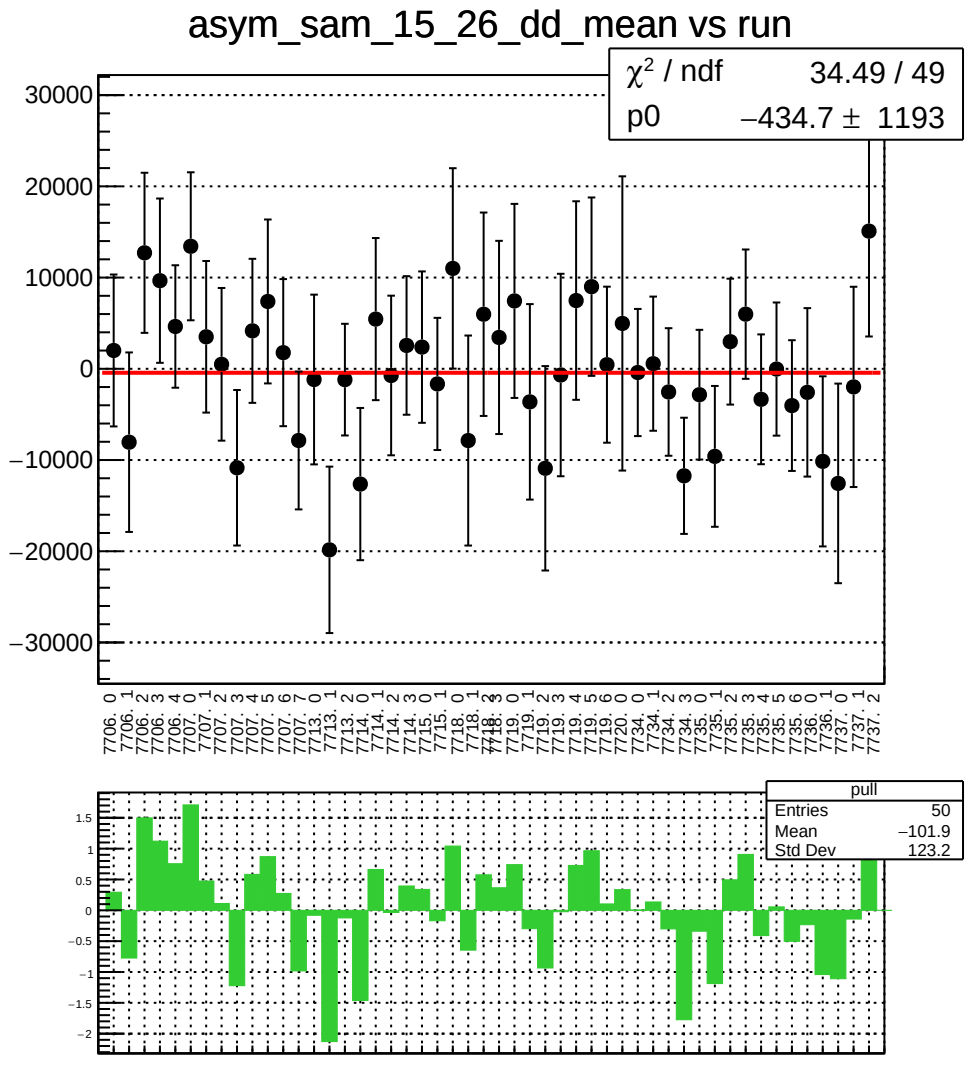

pull1D
Entries 50
Mean 0.003224
Std Dev 0.7931
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

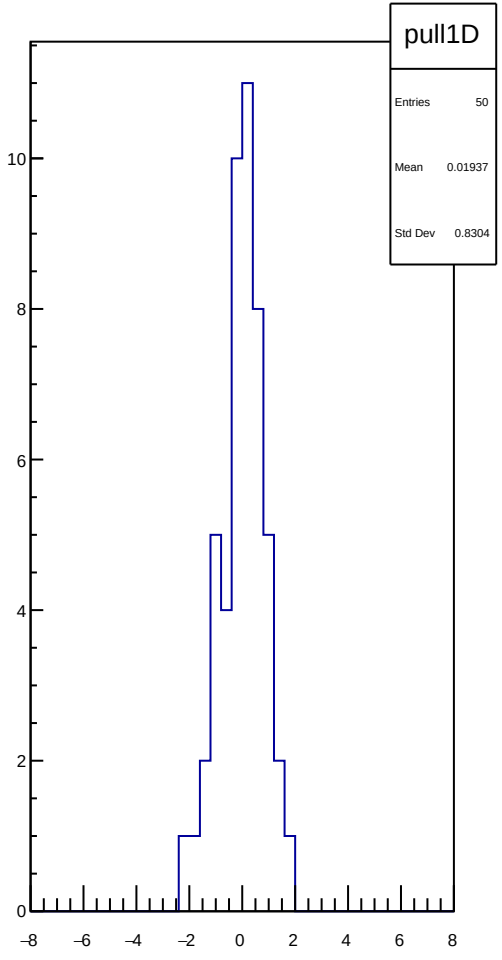

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.135e+04 / 49
p0 109.1 ± 0.1133
220
200
180
160
140
120
100
80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

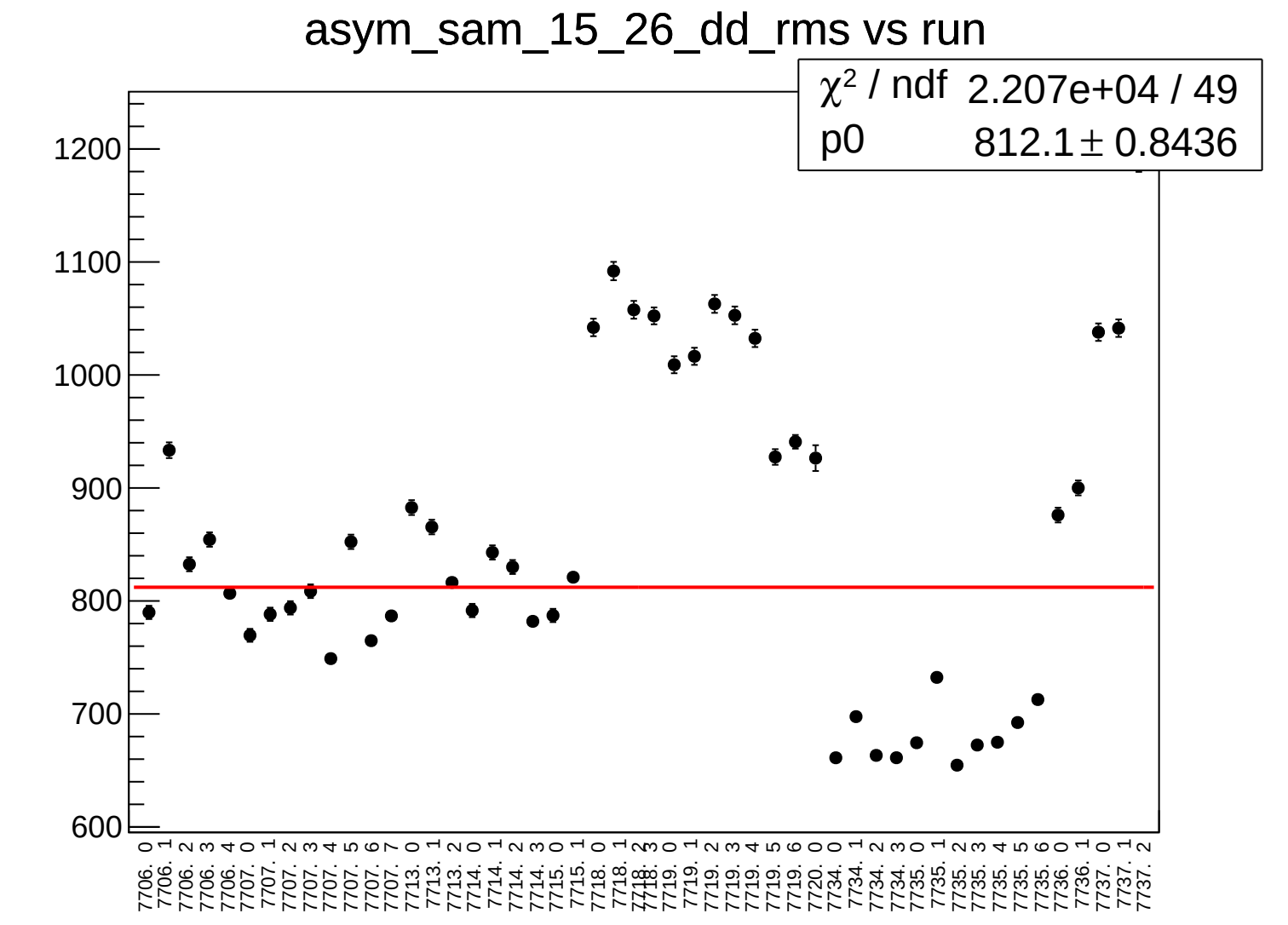

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 33.7 / 49
p0 401.4 ± 1219
30000
20000
10000
0
−10000
−20000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −88.24
Std Dev 110.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

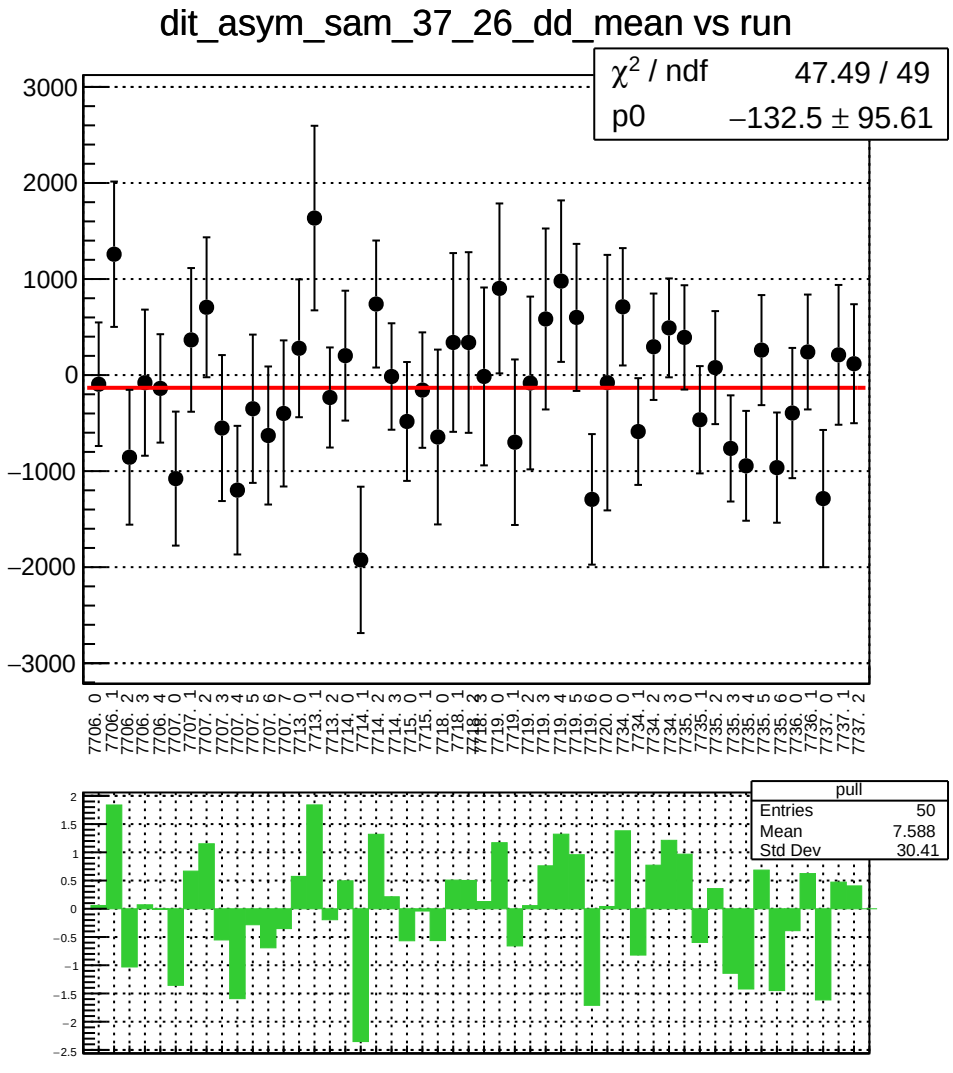

pull1D
Entries 50
Mean −0.01914
Std Dev 0.8207
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

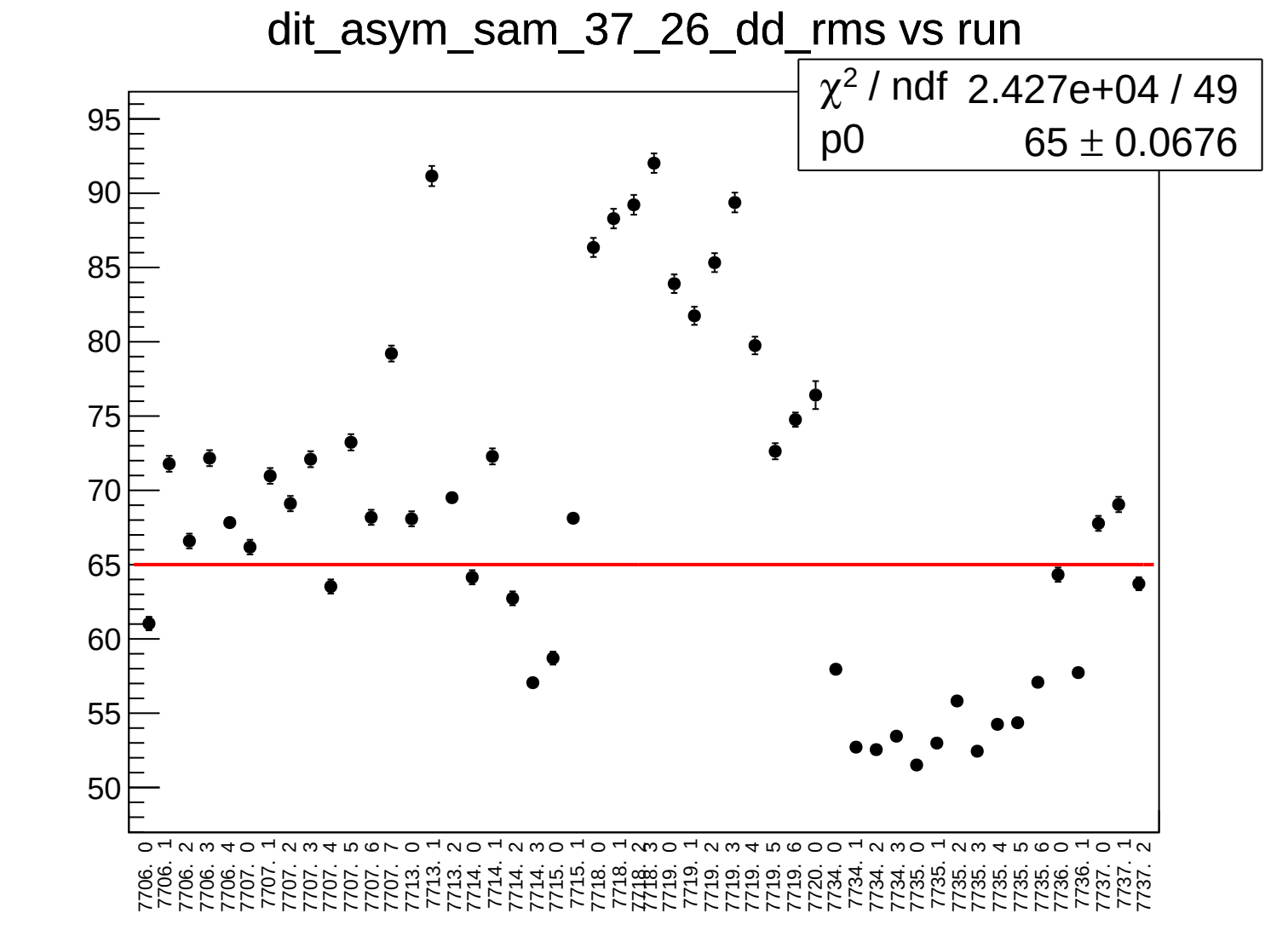

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2.23e+04 / 49
p0 829.6 ± 0.8619
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

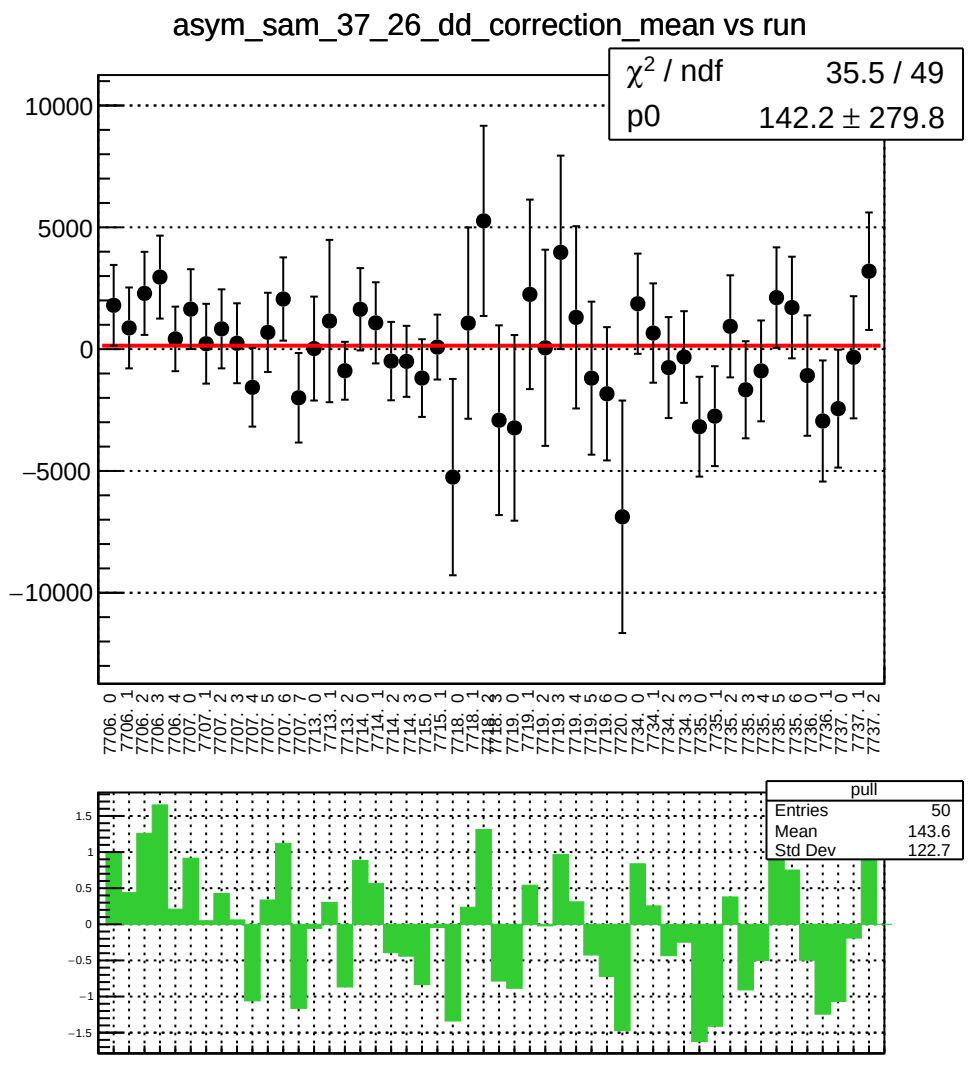

asym_sam_15_26_dd_mean vs run
χ² / ndf 34.49 / 49
p0 −434.7 ± 1193
30000
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −101.9
Std Dev 123.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

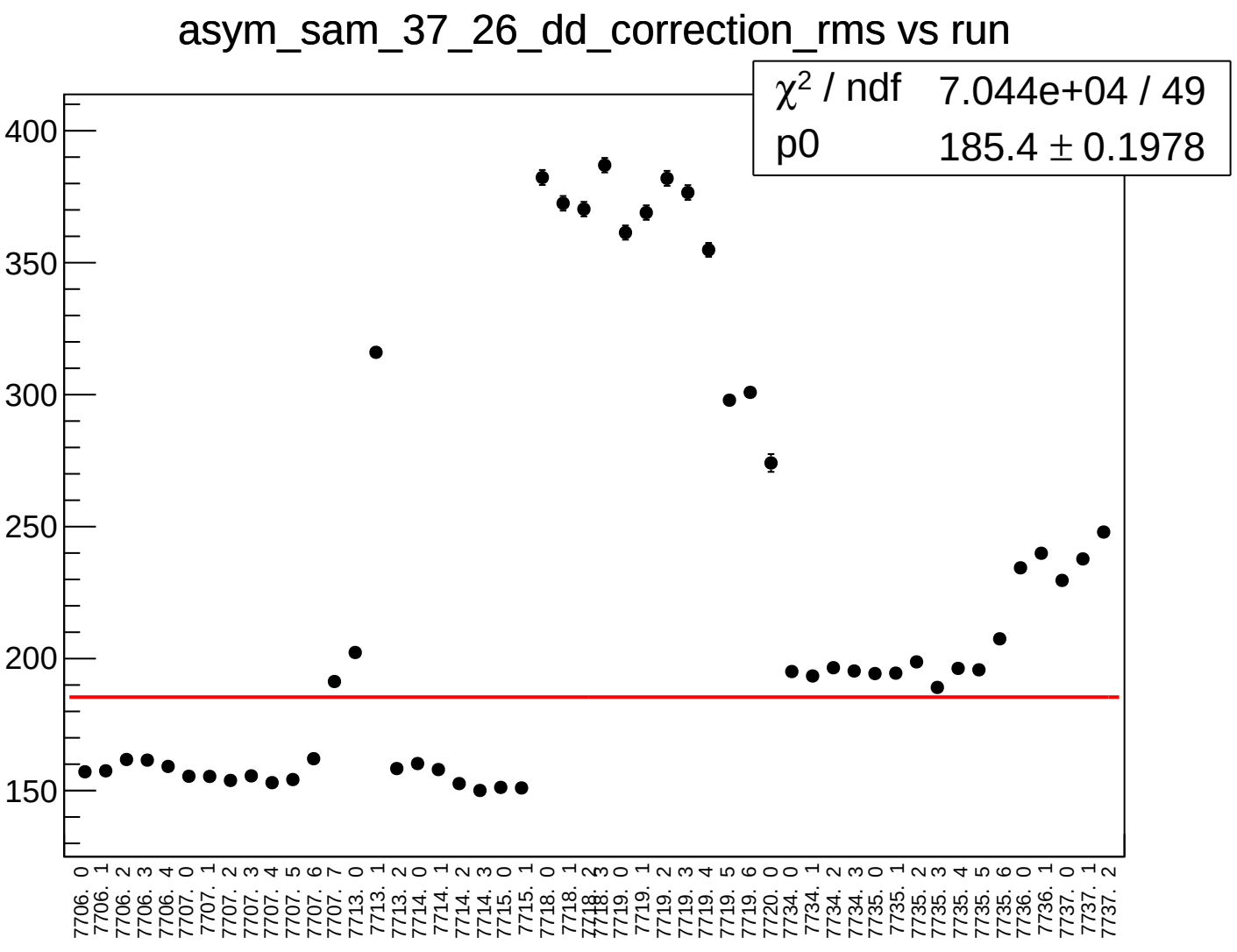

pull1D
Entries 50
Mean 0.01937
Std Dev 0.8304
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

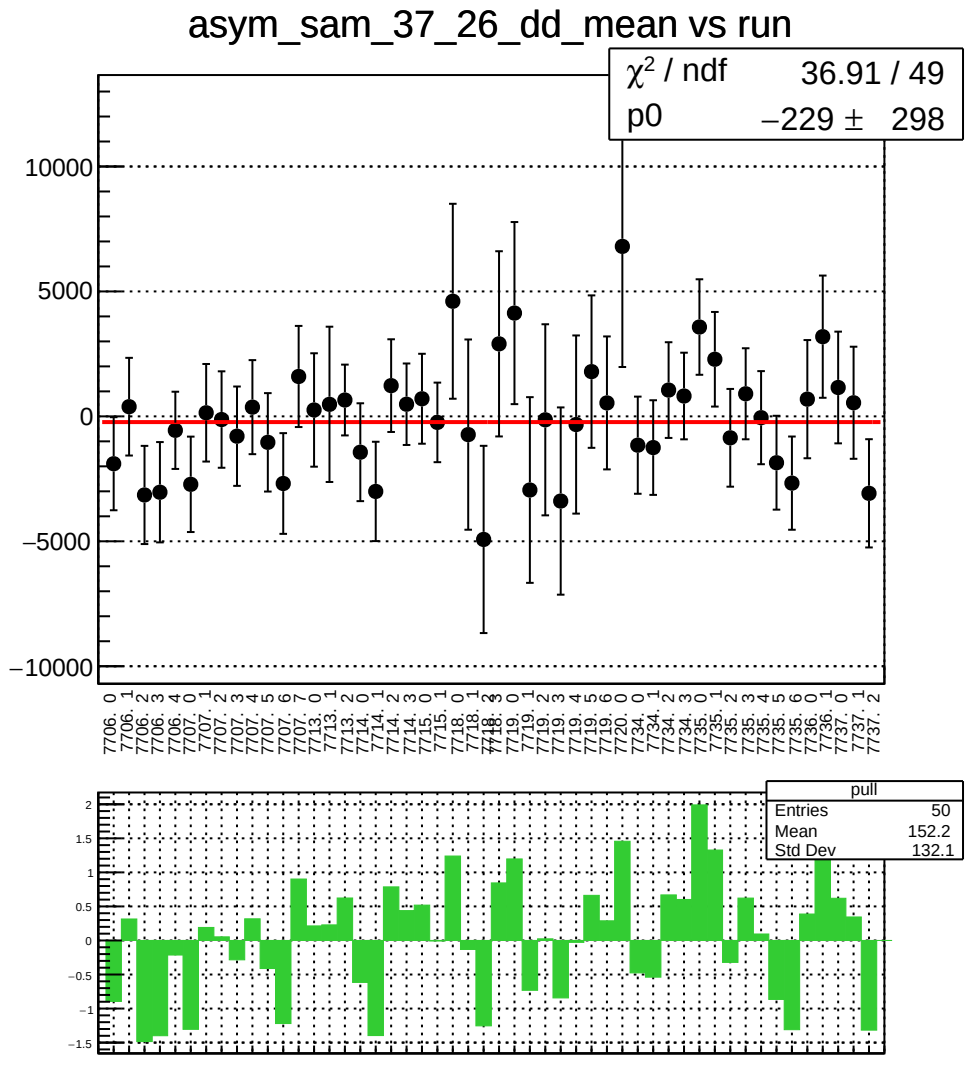

asym_sam_15_26_dd_rms vs run
χ² / ndf 2.207e+04 / 49
p0 812.1 ± 0.8436
1200
1100
1000
900
800
700
600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

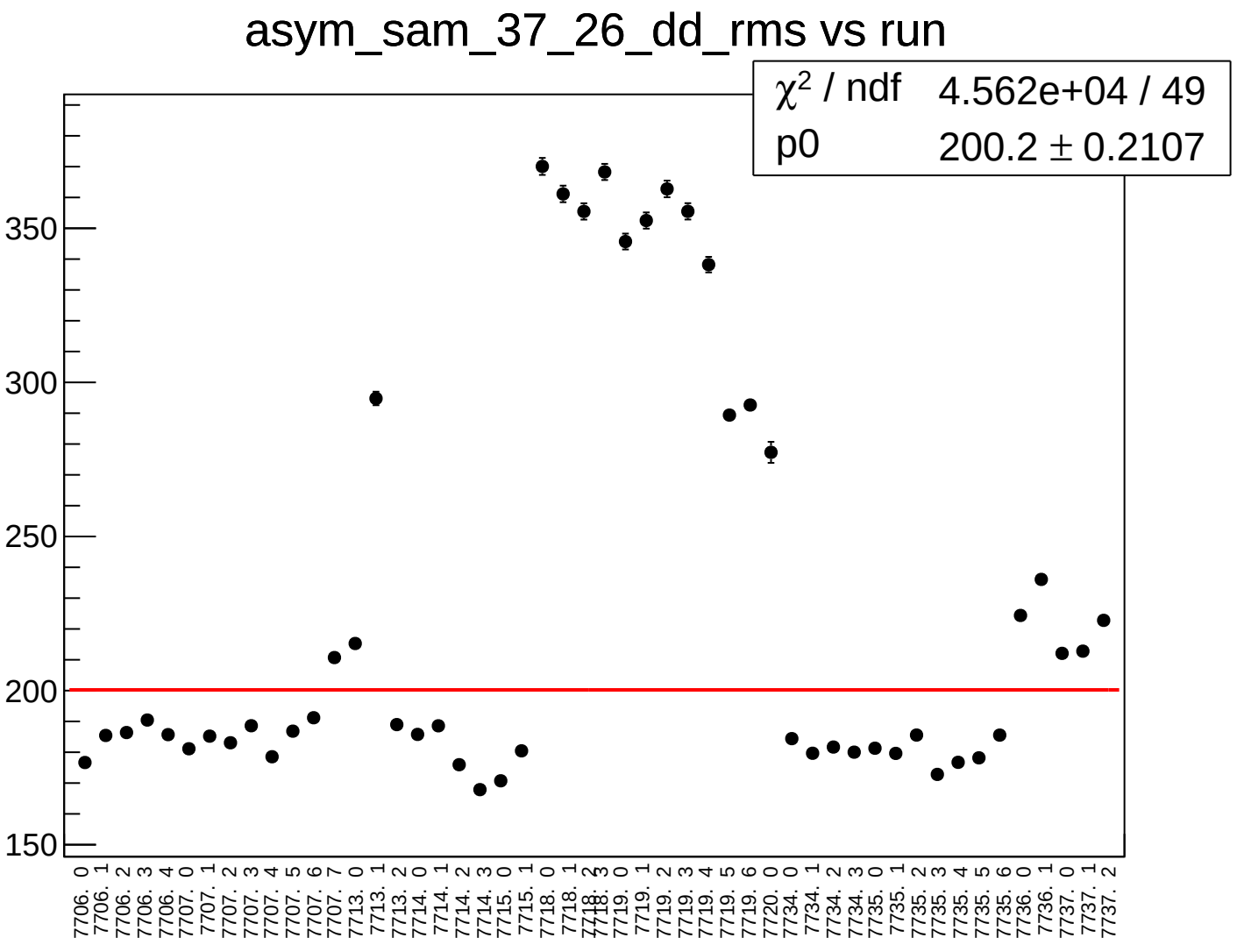

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 47.49 / 49
p0 −132.5 ± 95.61
3000
2000
1000
0
−1000
−2000
−3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 7.588
Std Dev 30.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean 0.02333
Std Dev 0.9743
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

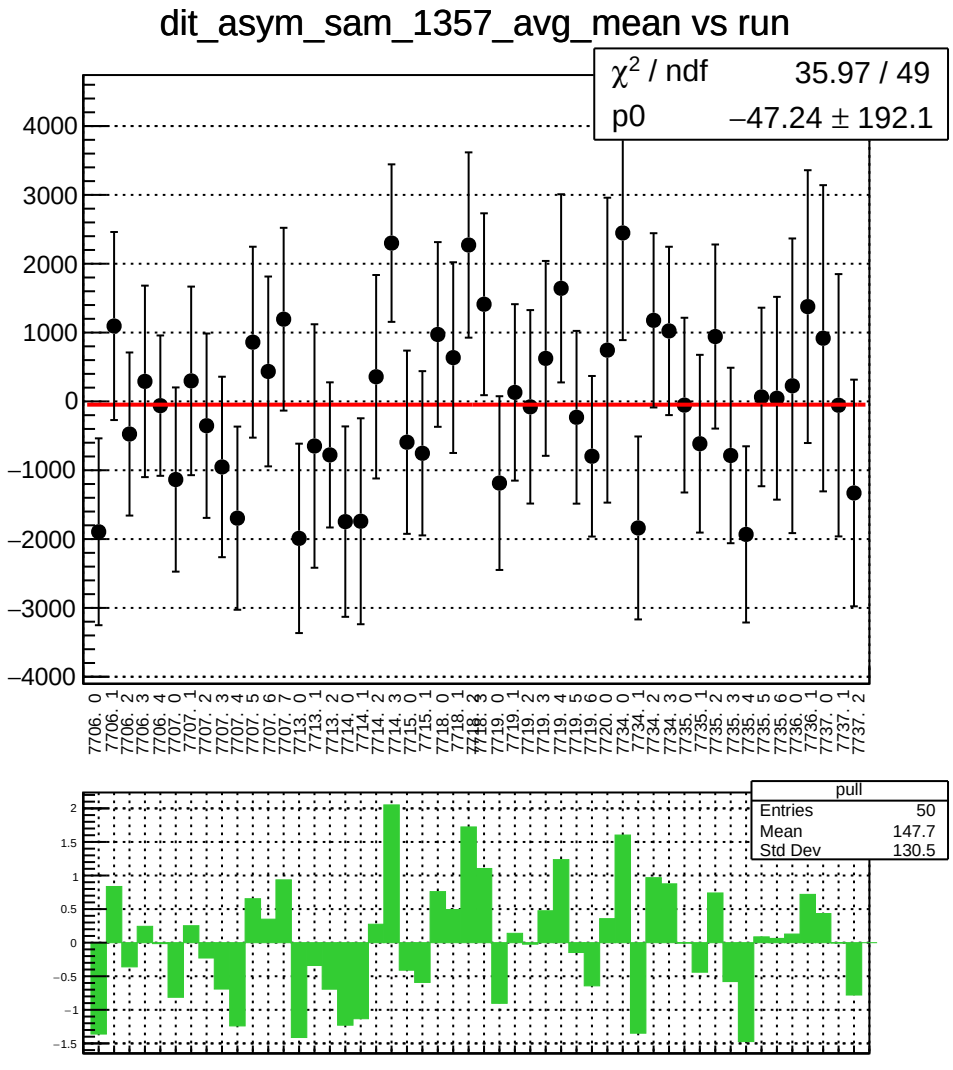

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2.427e+04 / 49
p0 65 ± 0.0676
95
90
85
80
75
70
65
60
55
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

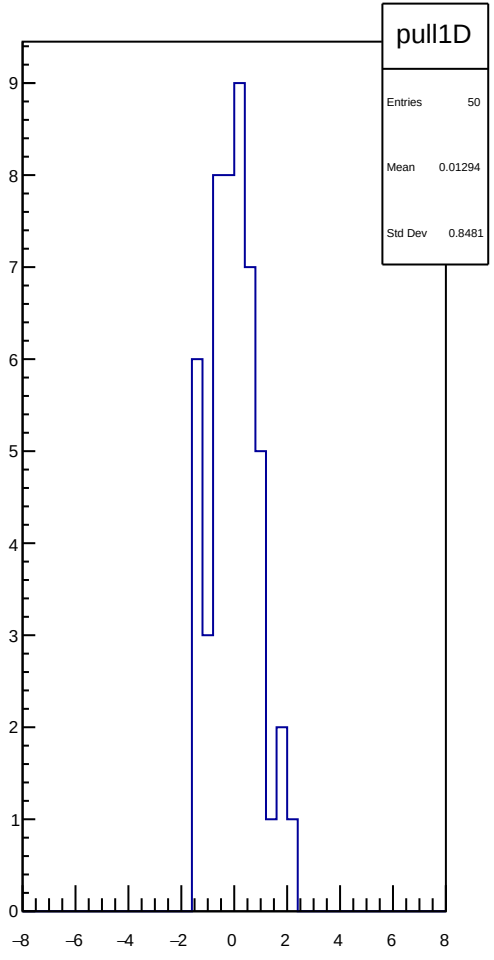

asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 35.5 / 49
p0 142.2 ± 279.8
10000
5000
0
−5000
−10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 143.6
Std Dev 122.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.03186
Std Dev 0.842
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

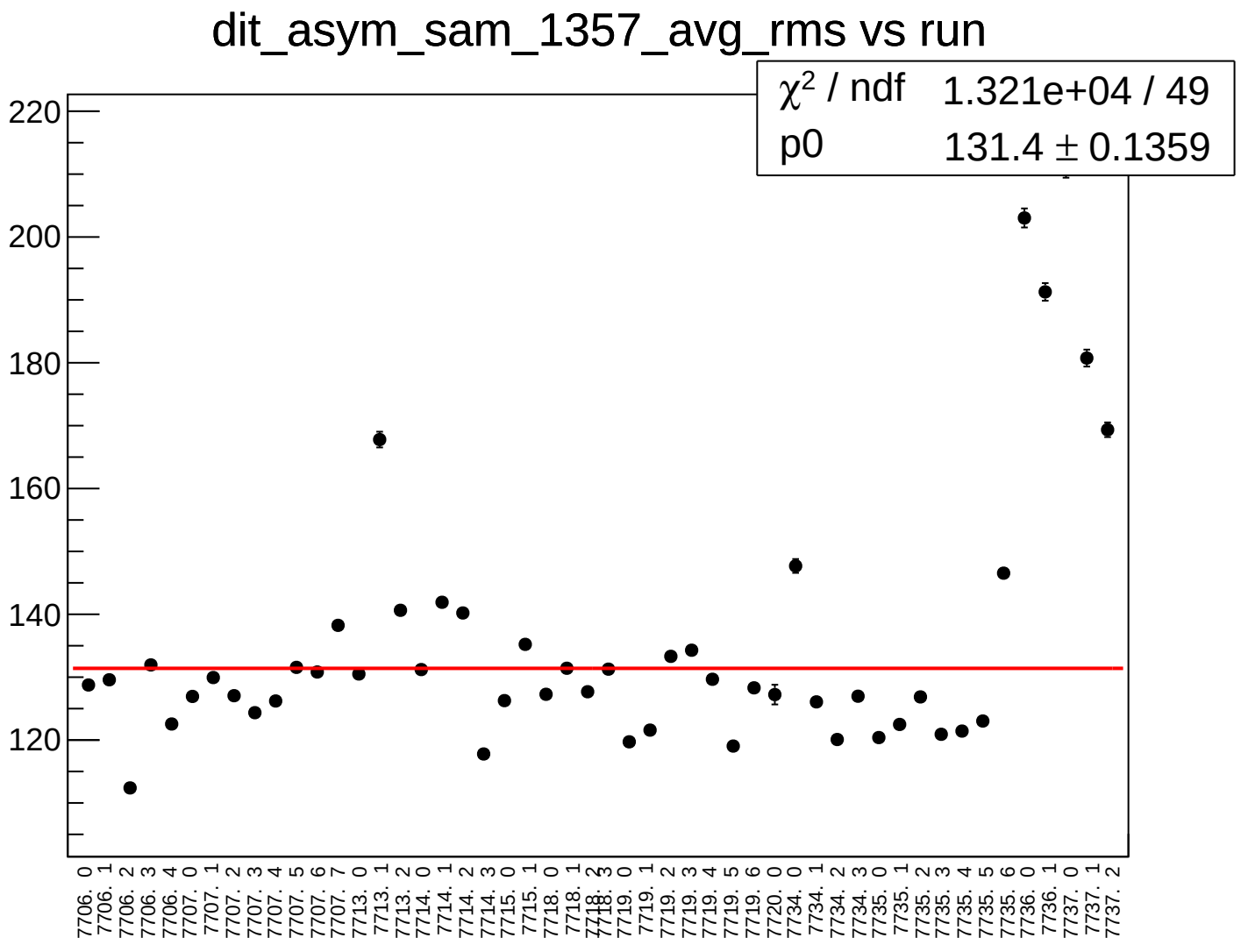

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 7.044e+04 / 49
p0 185.4 ± 0.1978
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

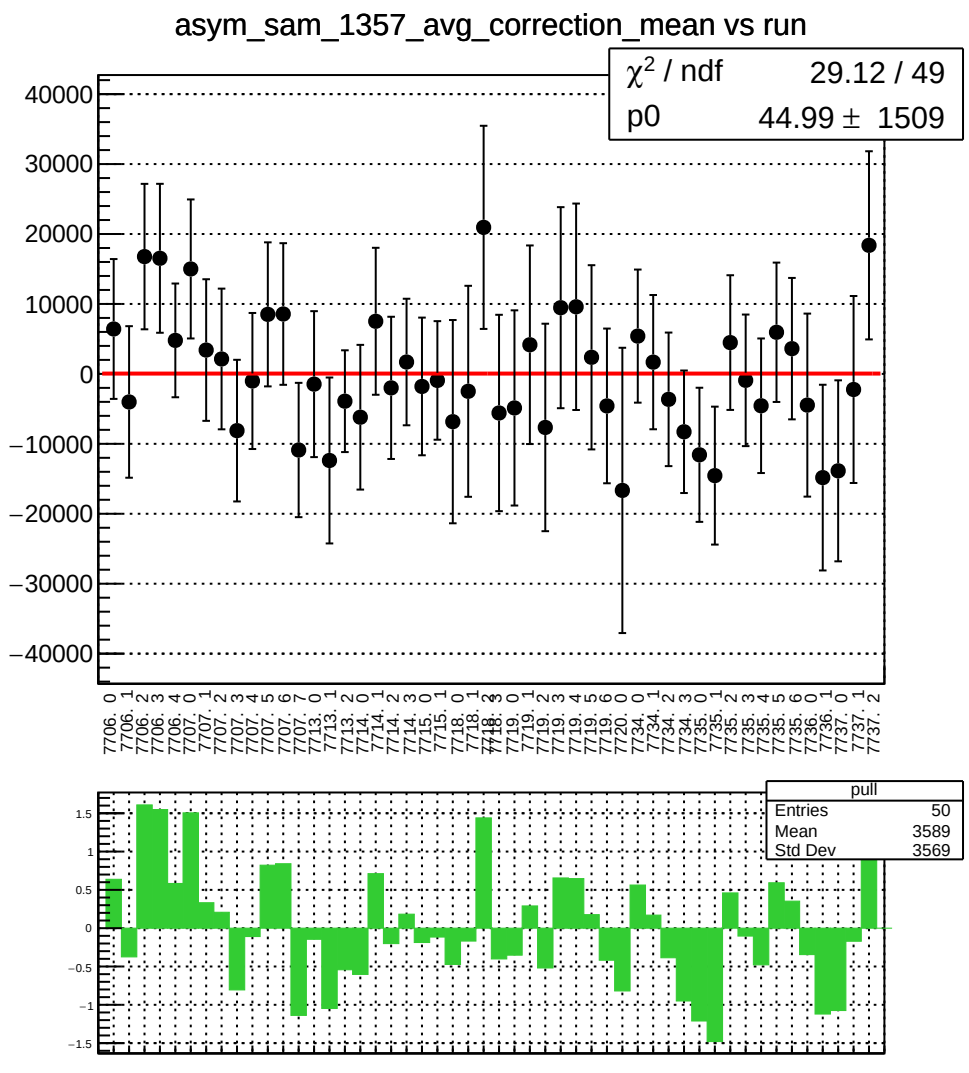

asym_sam_37_26_dd_mean vs run
χ² / ndf 36.91 / 49
p0 −229 ± 298
10000
5000
0
−5000
−10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 152.2
Std Dev 132.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.02623
Std Dev 0.8588
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

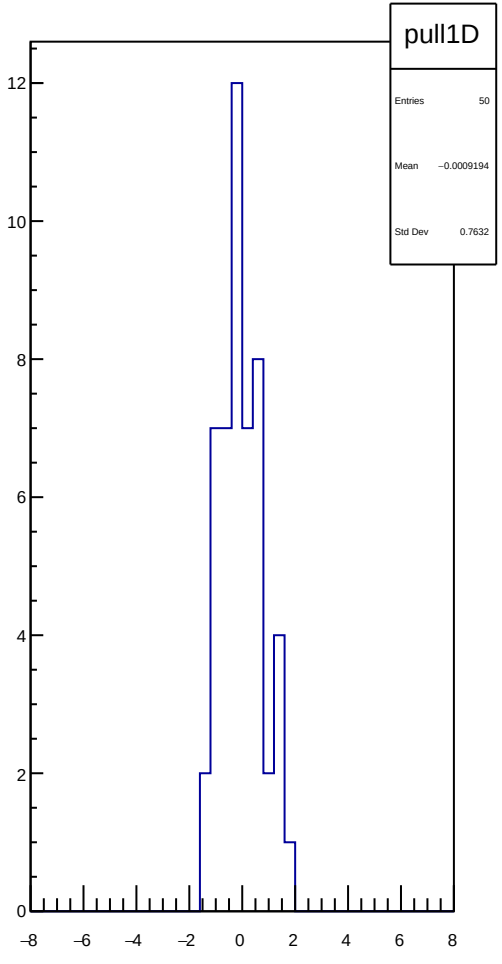

asym_sam_37_26_dd_rms vs run
χ² / ndf 4.562e+04 / 49
p0 200.2 ± 0.2107
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

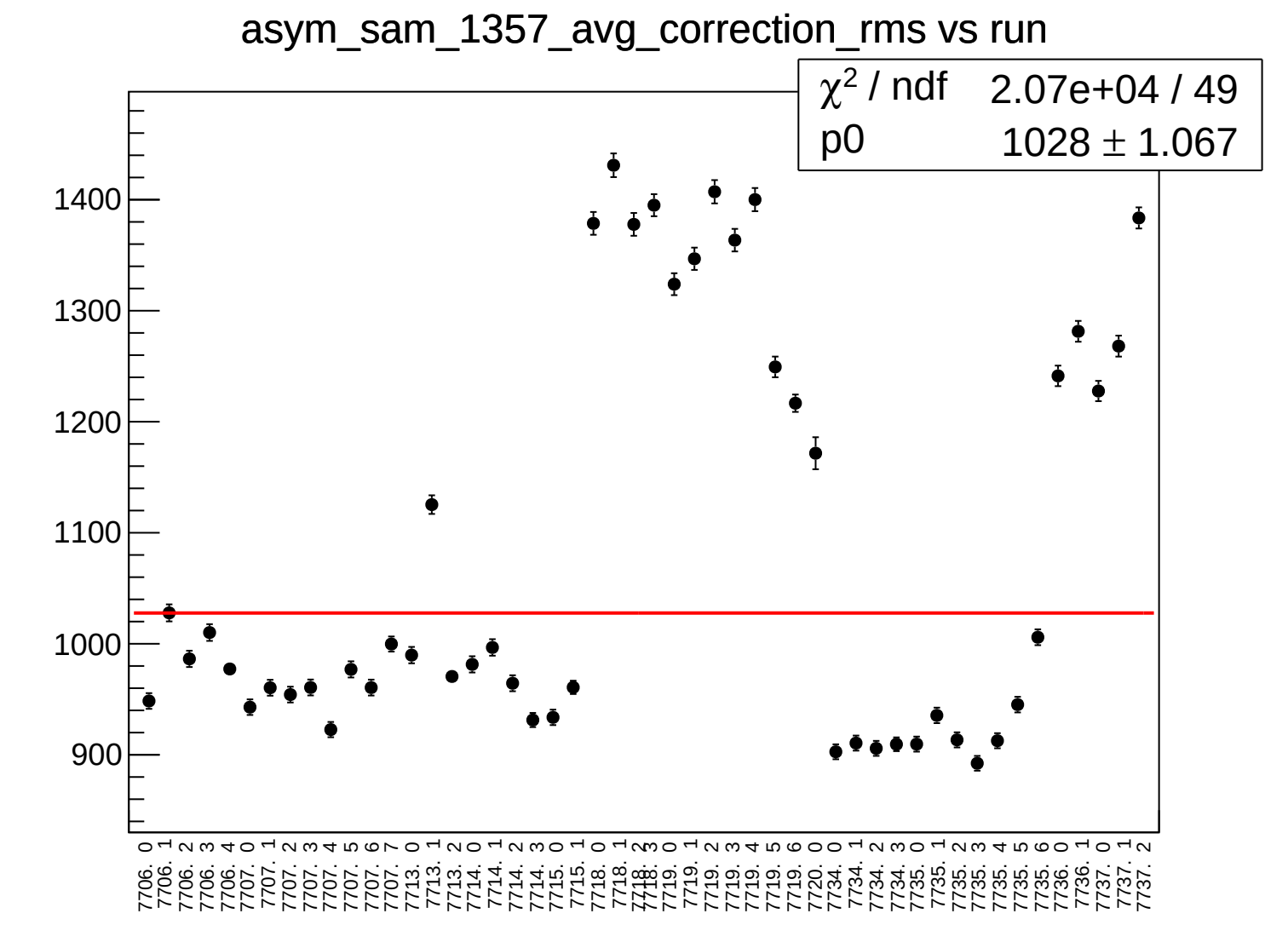

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 35.97 / 49
p0 −47.24 ± 192.1
pull
Entries 50
Mean 147.7
Std Dev 130.5

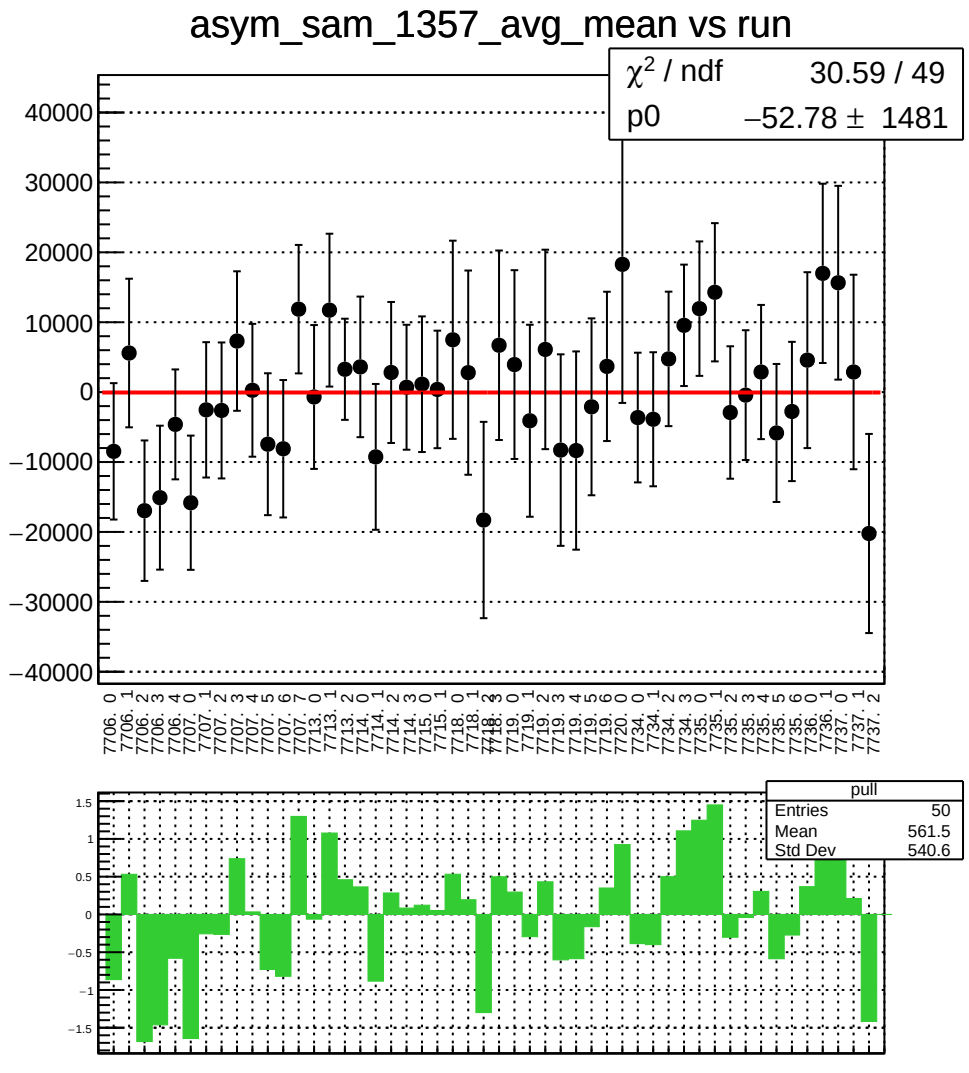

pull1D
Entries 50
Mean 0.01294
Std Dev 0.8481

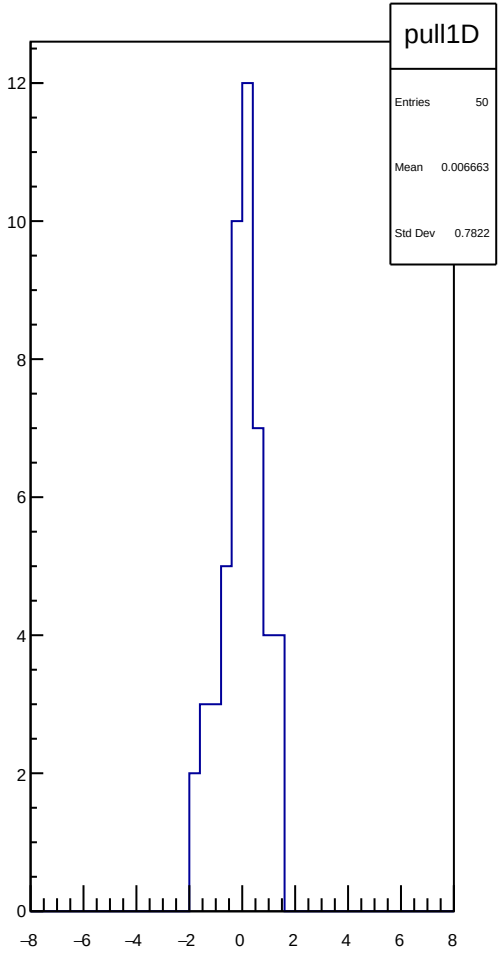

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.321e+04 / 49
p0 131.4 ± 0.1359
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

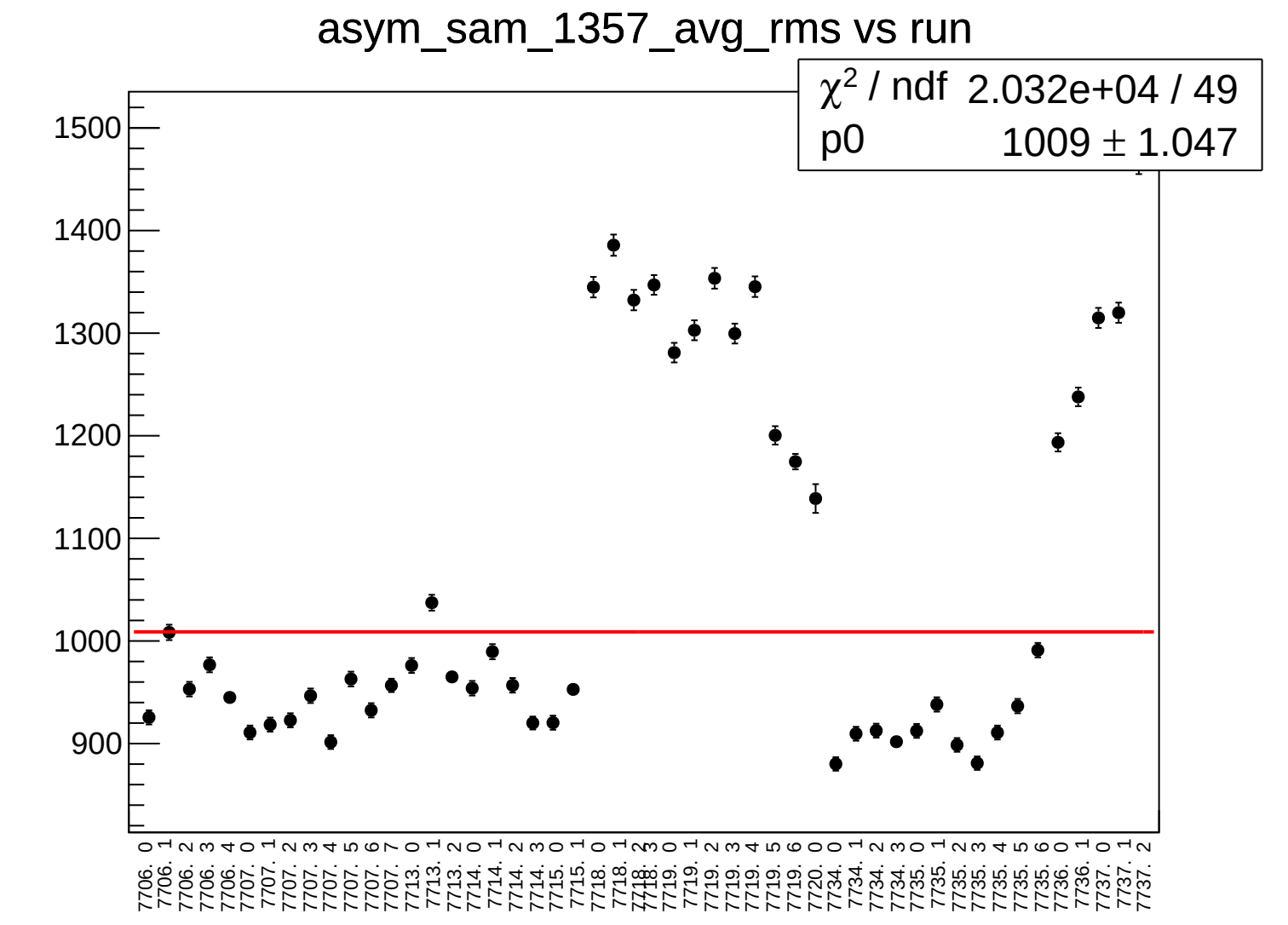

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 29.12 / 49
p0 44.99 ± 1509
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 3589
Std Dev 3569
1.5
1
0.5
0
−0.5
−1
−1.5

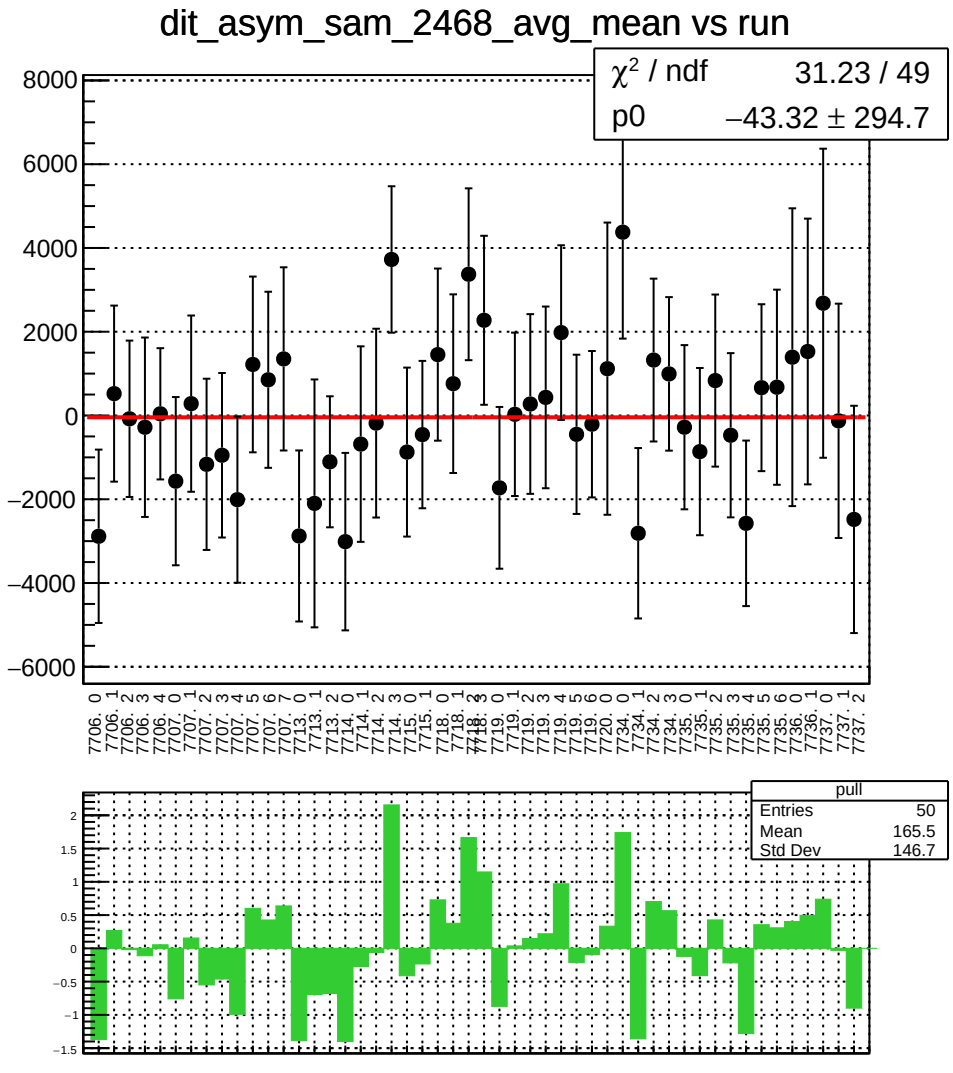

pull1D
Entries 50
Mean −0.0009194
Std Dev 0.7632
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

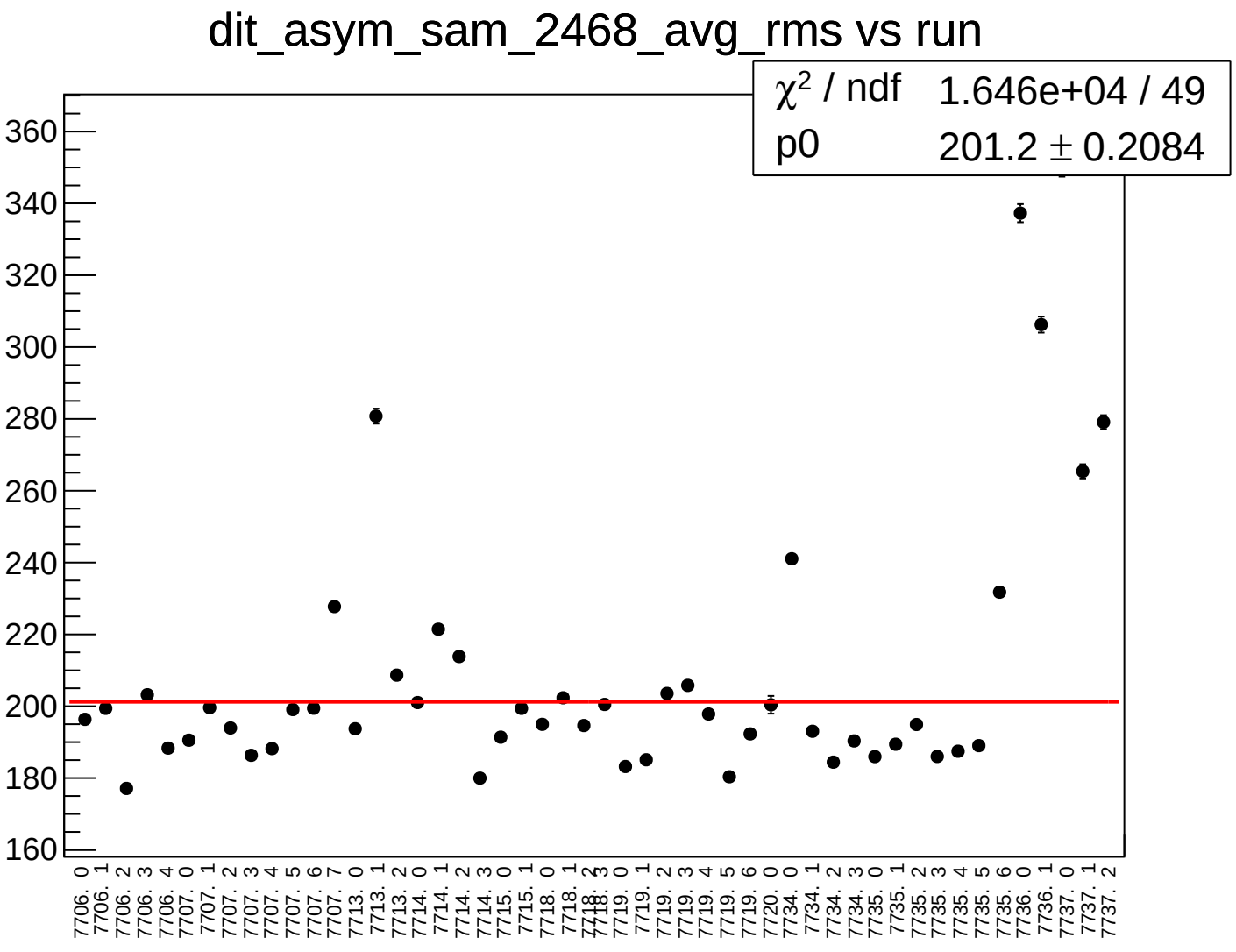

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2.07e+04 / 49
p0 1028 ± 1.067
1400
1300
1200
1100
1000
900
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

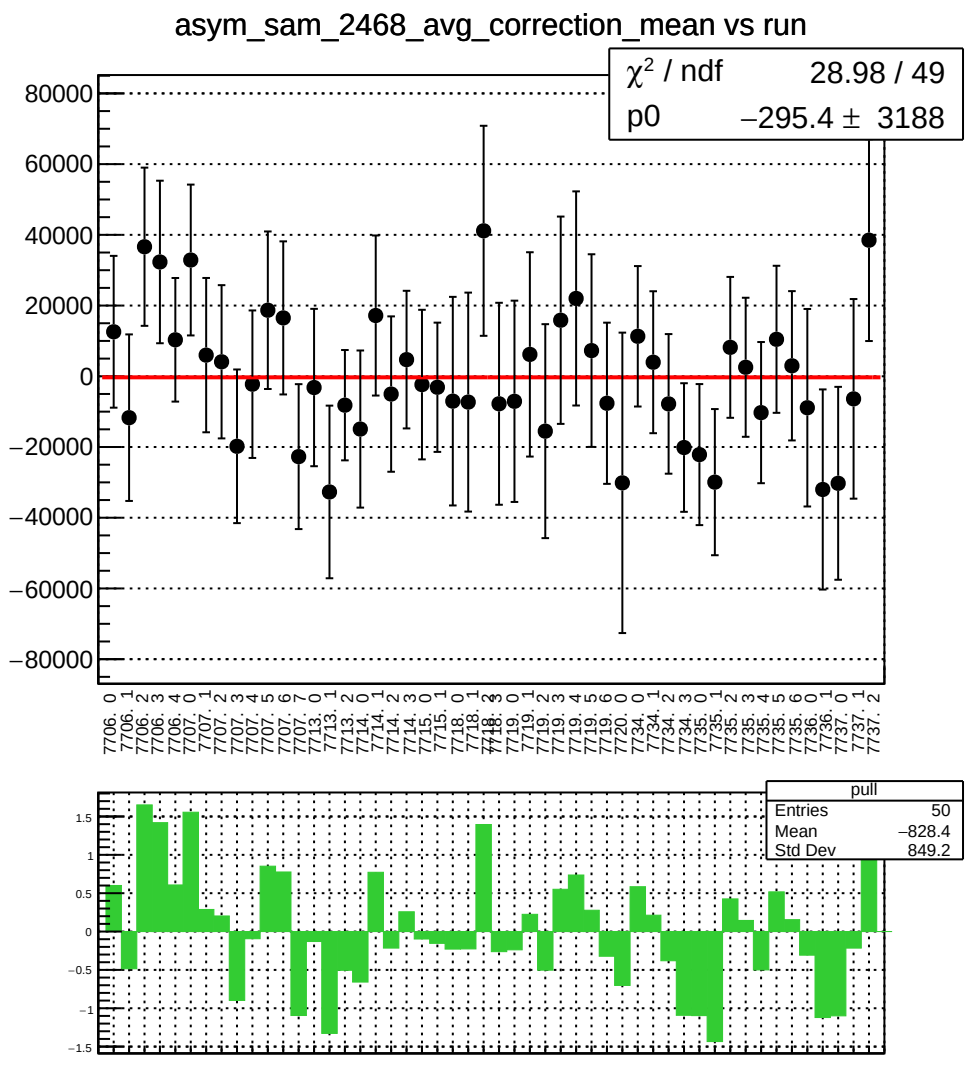

asym_sam_1357_avg_mean vs run
χ² / ndf 30.59 / 49
p0 −52.78 ± 1481
pull
Entries 50
Mean 561.5
Std Dev 540.6

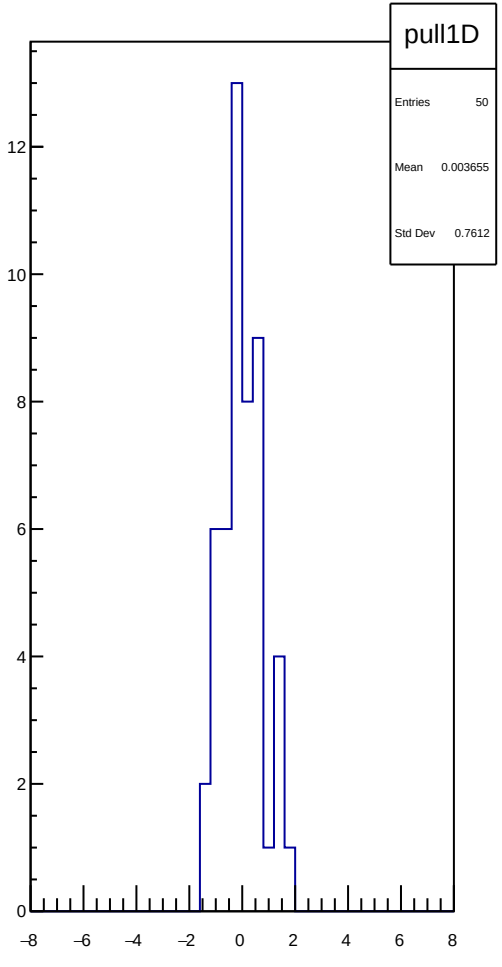

pull1D
Entries 50
Mean 0.006663
Std Dev 0.7822

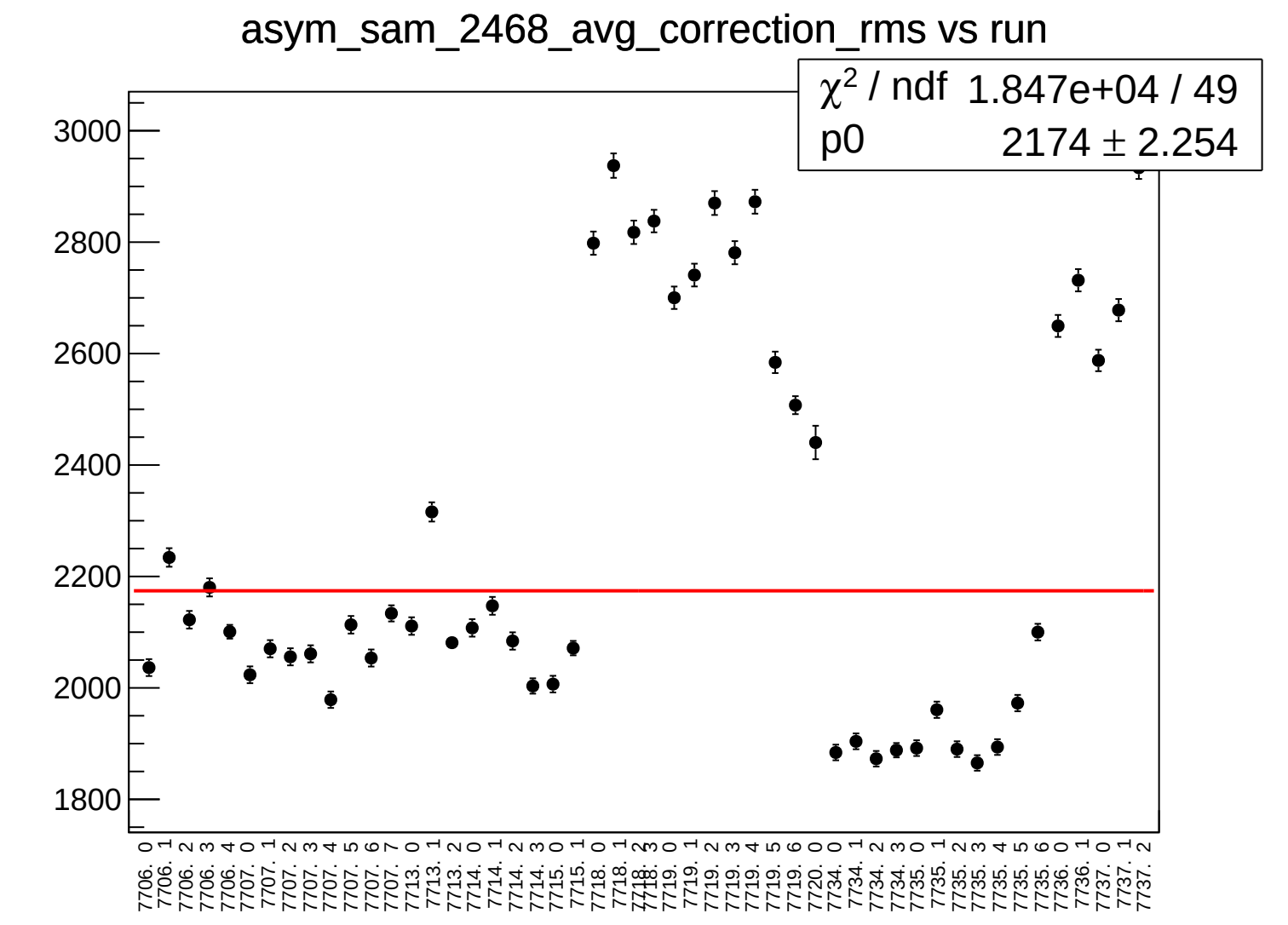

asym_sam_1357_avg_rms vs run
χ² / ndf 2.032e+04 / 49
p0 1009 ± 1.047
1500
1400
1300
1200
1100
1000
900
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

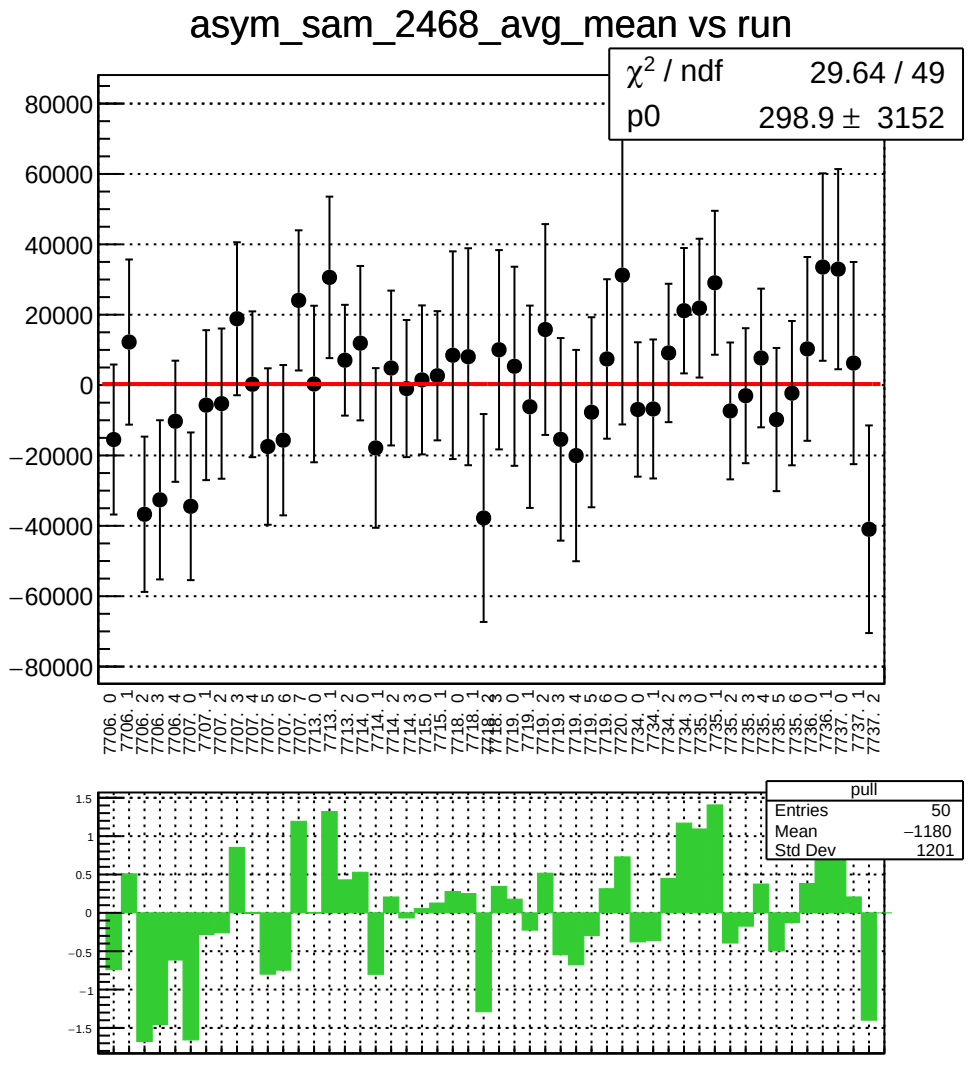

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 31.23 / 49
p0 −43.32 ± 294.7
8000
6000
4000
2000
0
−2000
−4000
−6000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 165.5
Std Dev 146.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01501
Std Dev 0.7902
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

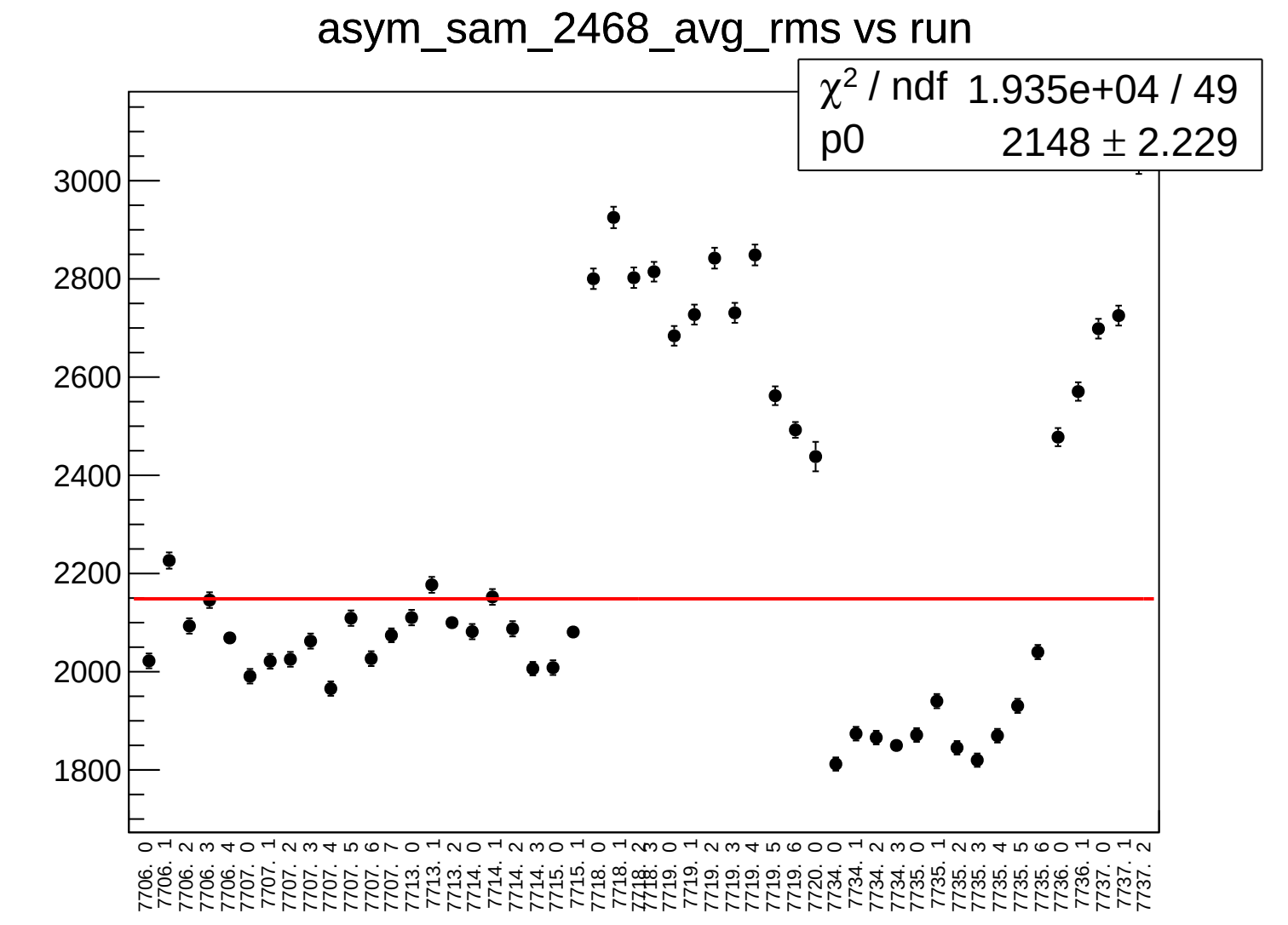

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.646e+04 / 49
p0 201.2 ± 0.2084
360
340
320
300
280
260
240
220
200
180
160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

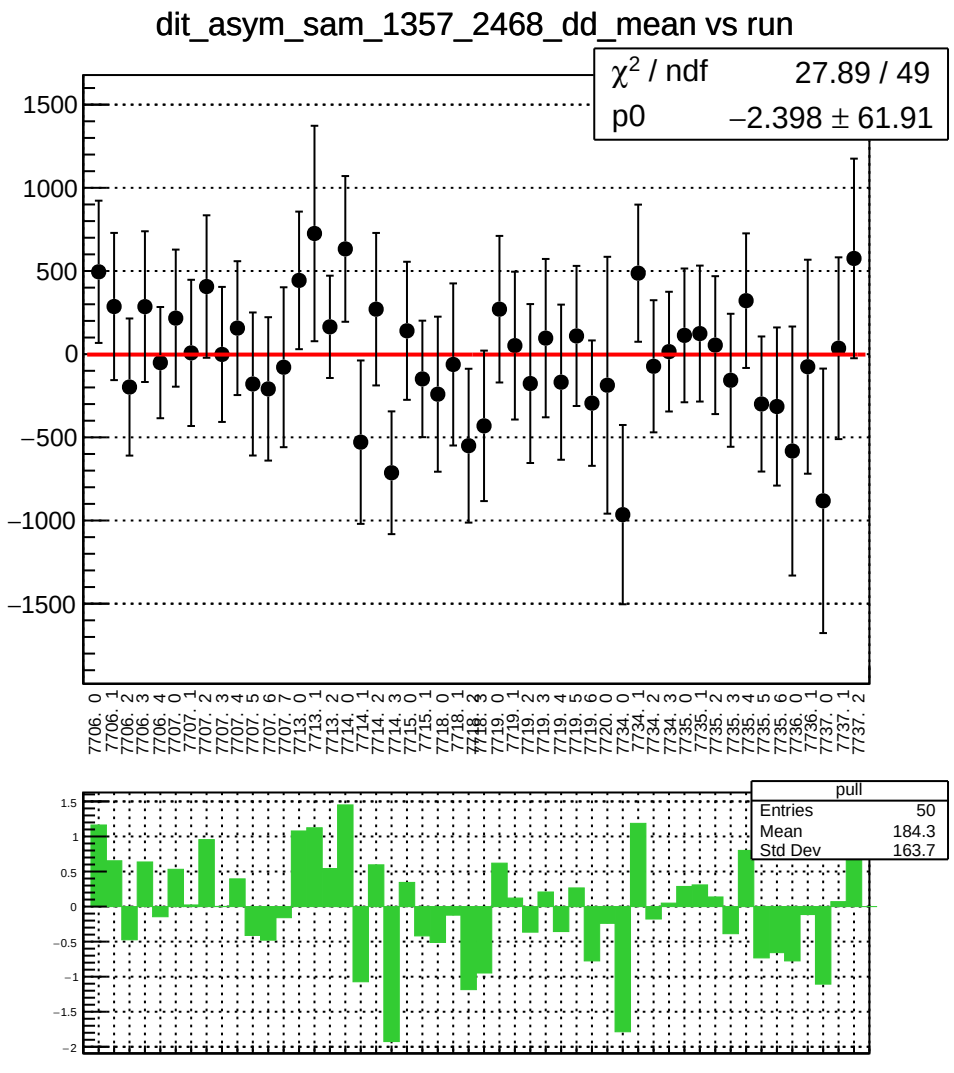

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 28.98 / 49
p0 −295.4 ± 3188
pull
Entries 50
Mean −828.4
Std Dev 849.2

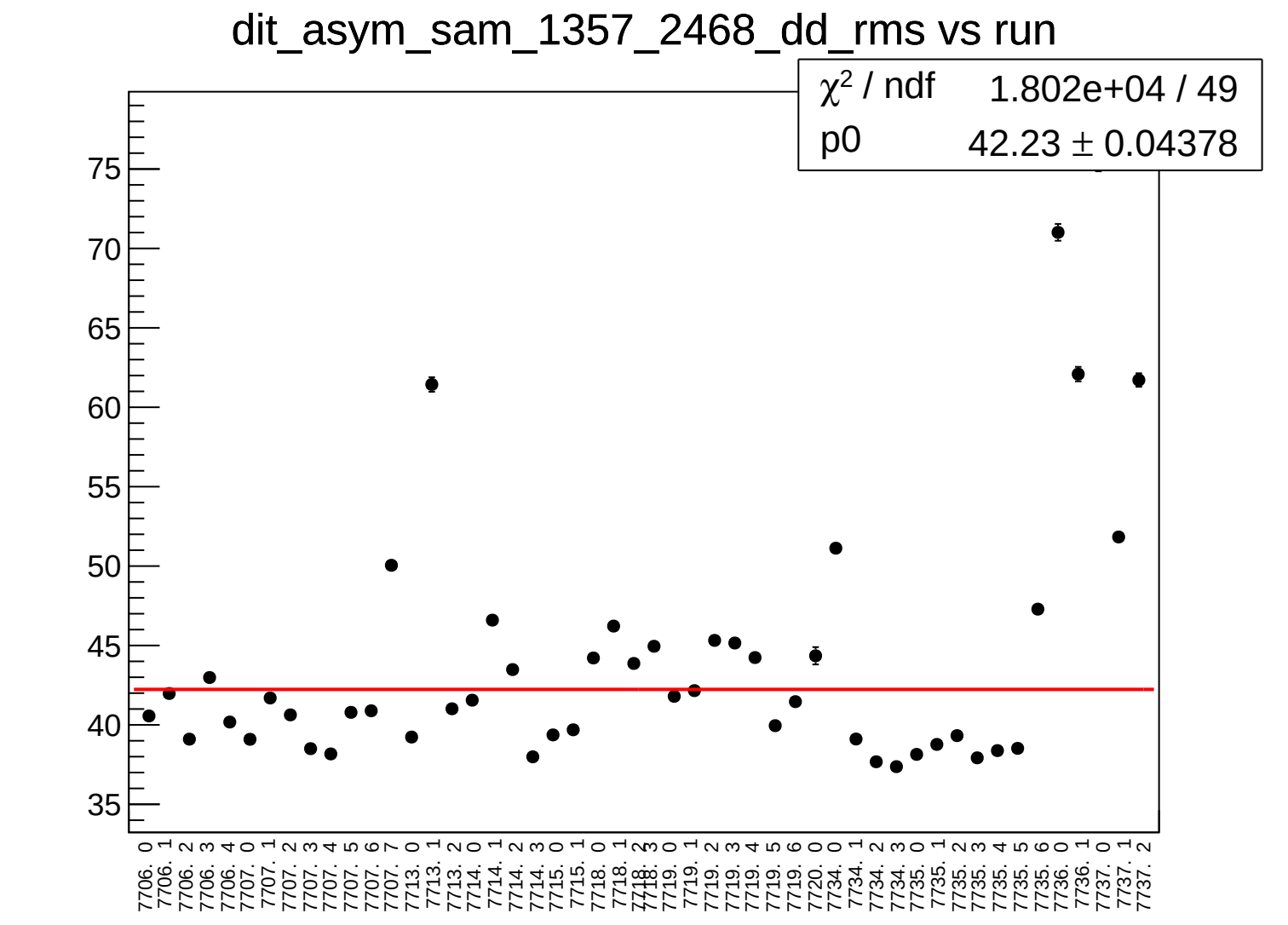

pull1D
Entries 50
Mean 0.003655
Std Dev 0.7612

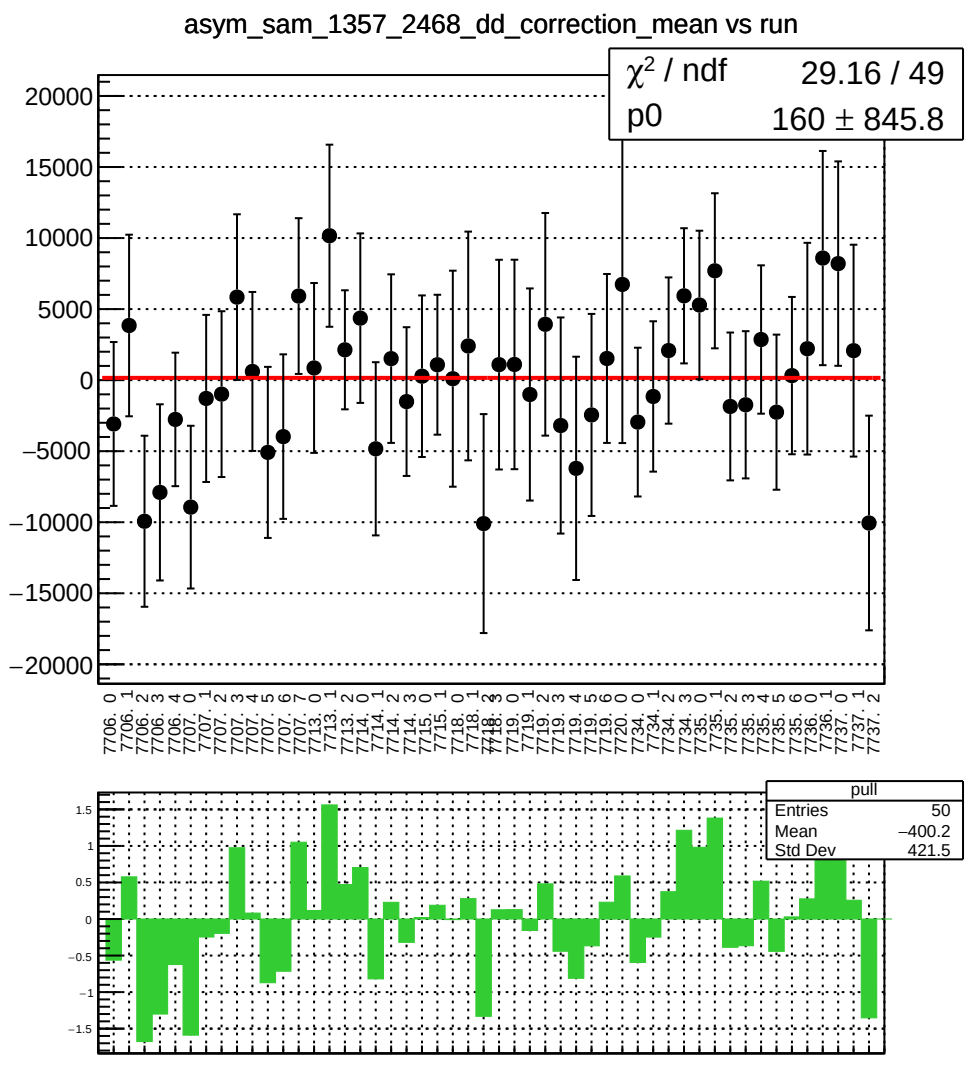

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1.847e+04 / 49
p0 2174 ± 2.254
3000
2800
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

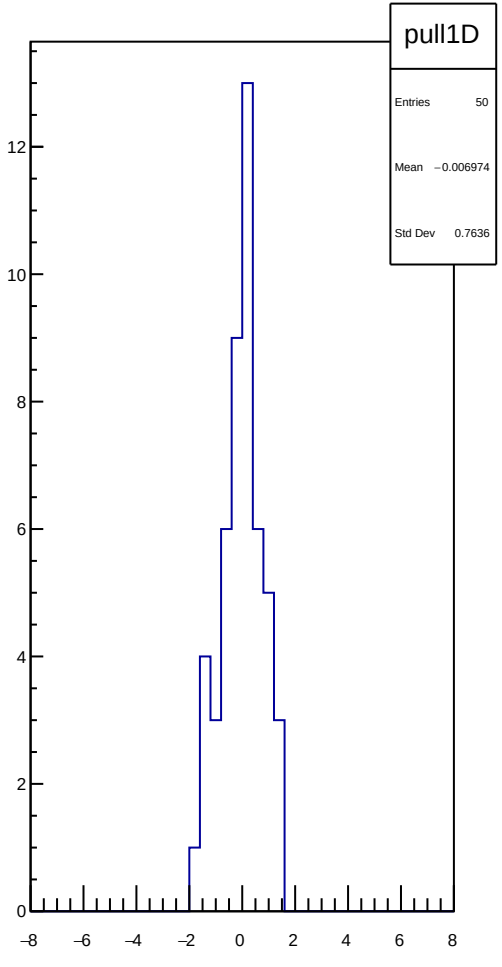

asym_sam_2468_avg_mean vs run
χ² / ndf 29.64 / 49
p0 298.9 ± 3152
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −1180
Std Dev 1201
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.002835
Std Dev 0.7699
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

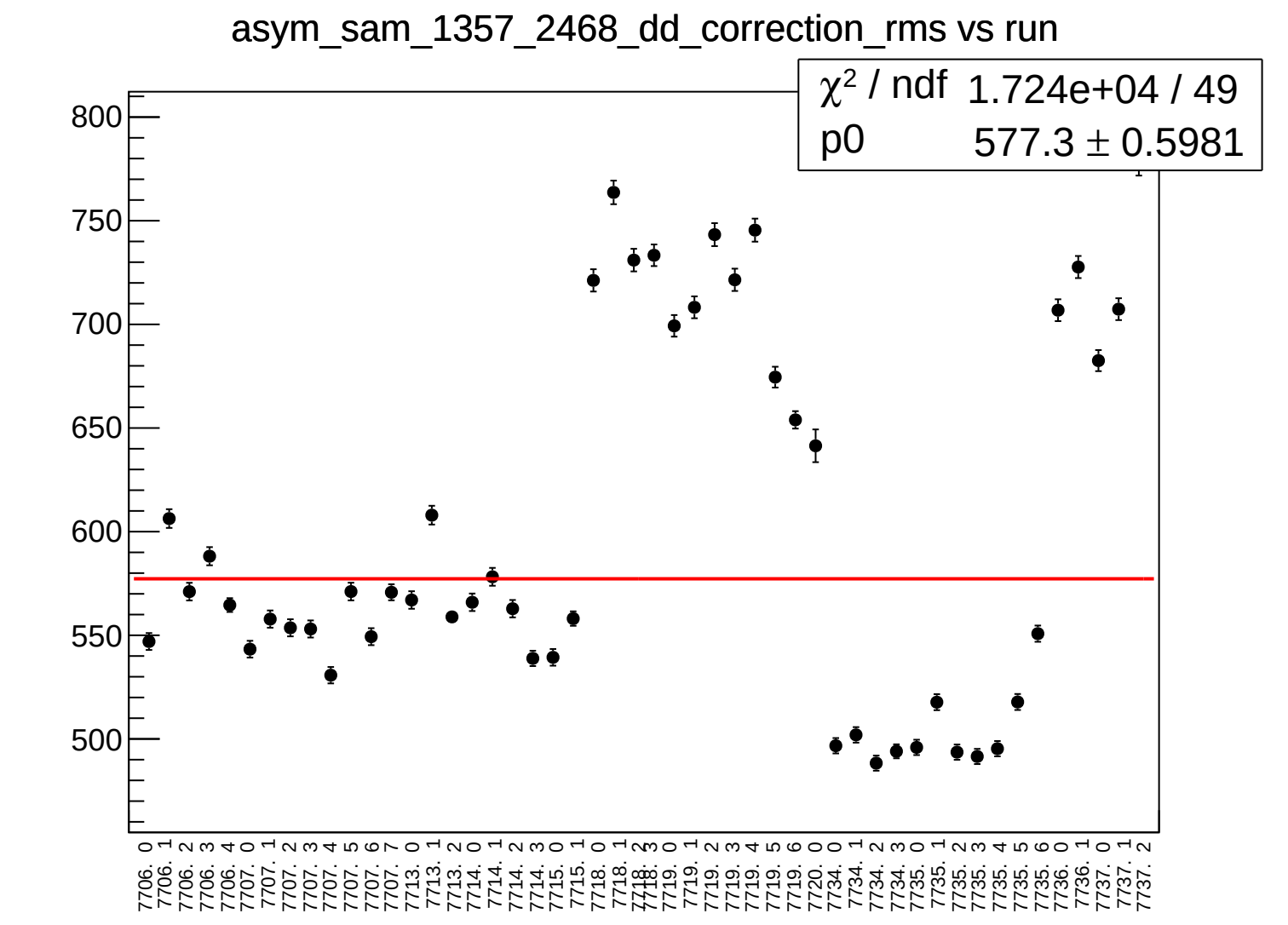

asym_sam_2468_avg_rms vs run
χ² / ndf 1.935e+04 / 49
p0 2148 ± 2.229
3000
2800
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

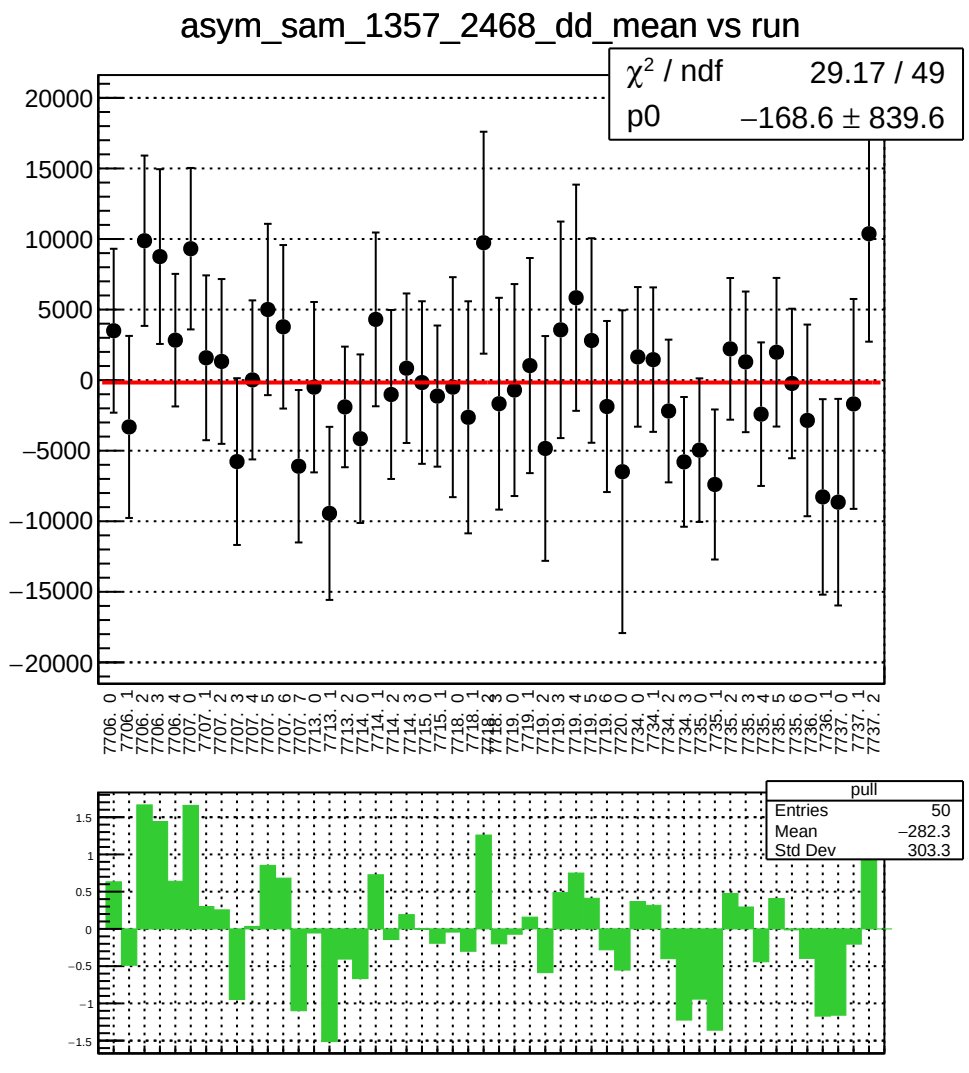

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 27.89 / 49
p0 −2.398 ± 61.91
1500
1000
500
0
−500
−1000
−1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 184.3
Std Dev 163.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01606
Std Dev 0.7467
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

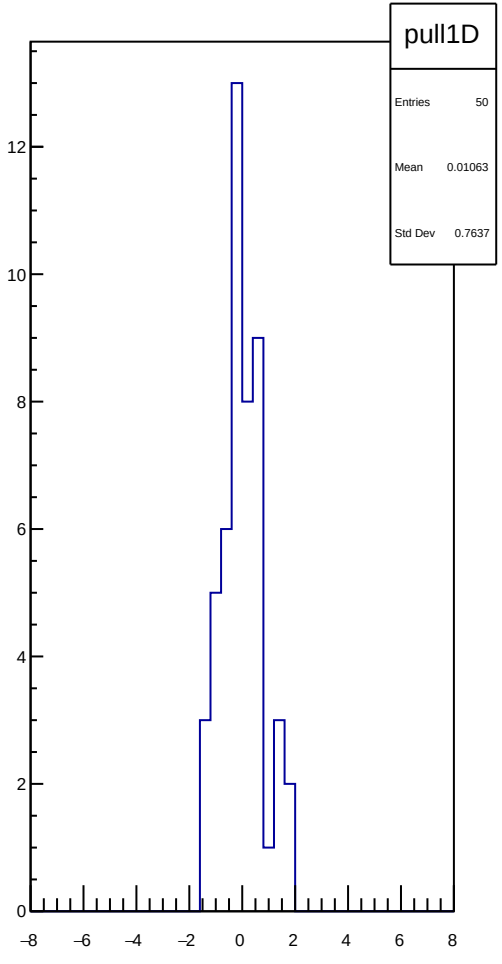

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.802e+04 / 49
p0 42.23 ± 0.04378
75
70
65
60
55
50
45
40
35
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

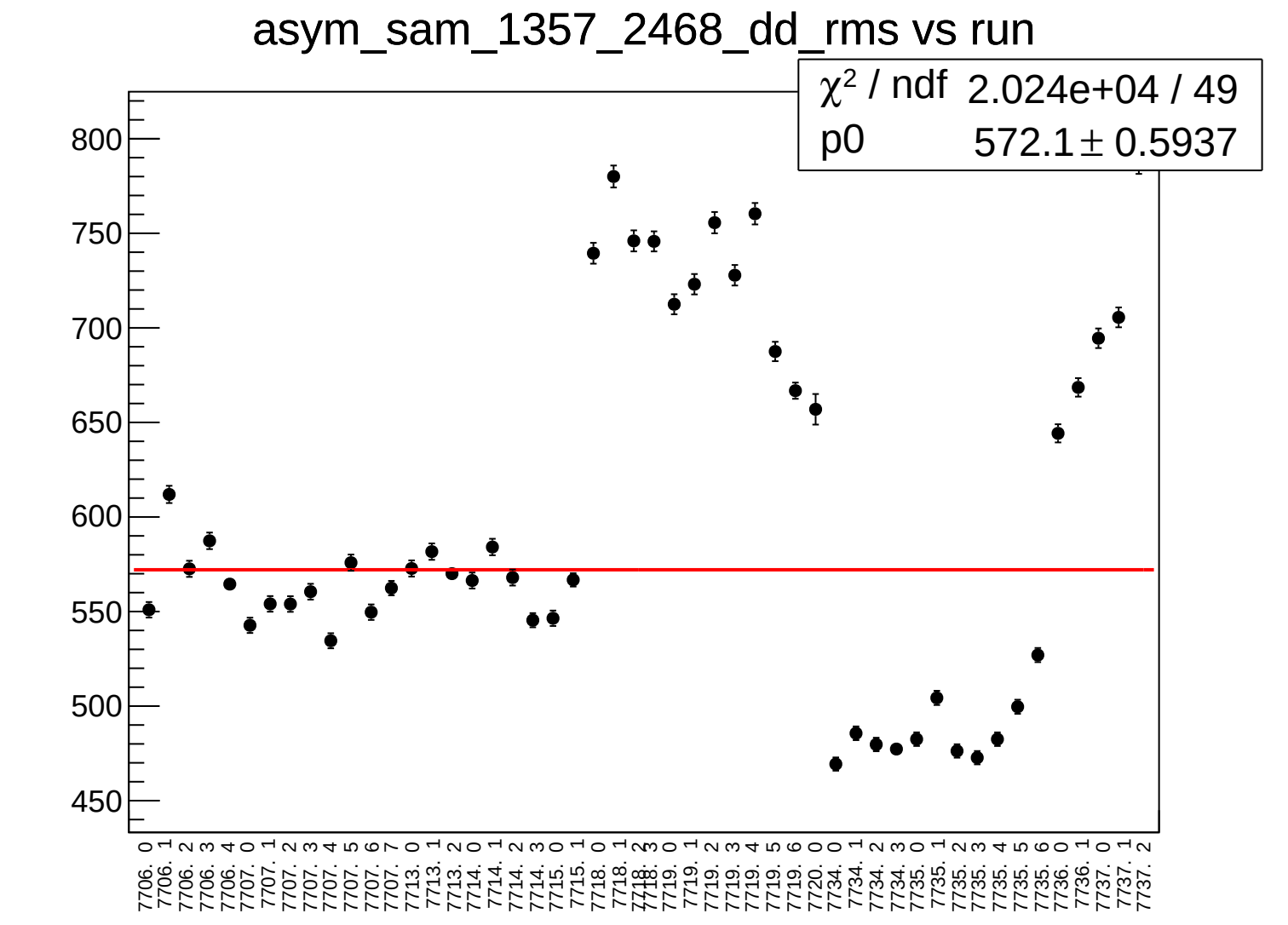

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 29.16 / 49
p0 160 ± 845.8
pull
Entries 50
Mean −400.2
Std Dev 421.5

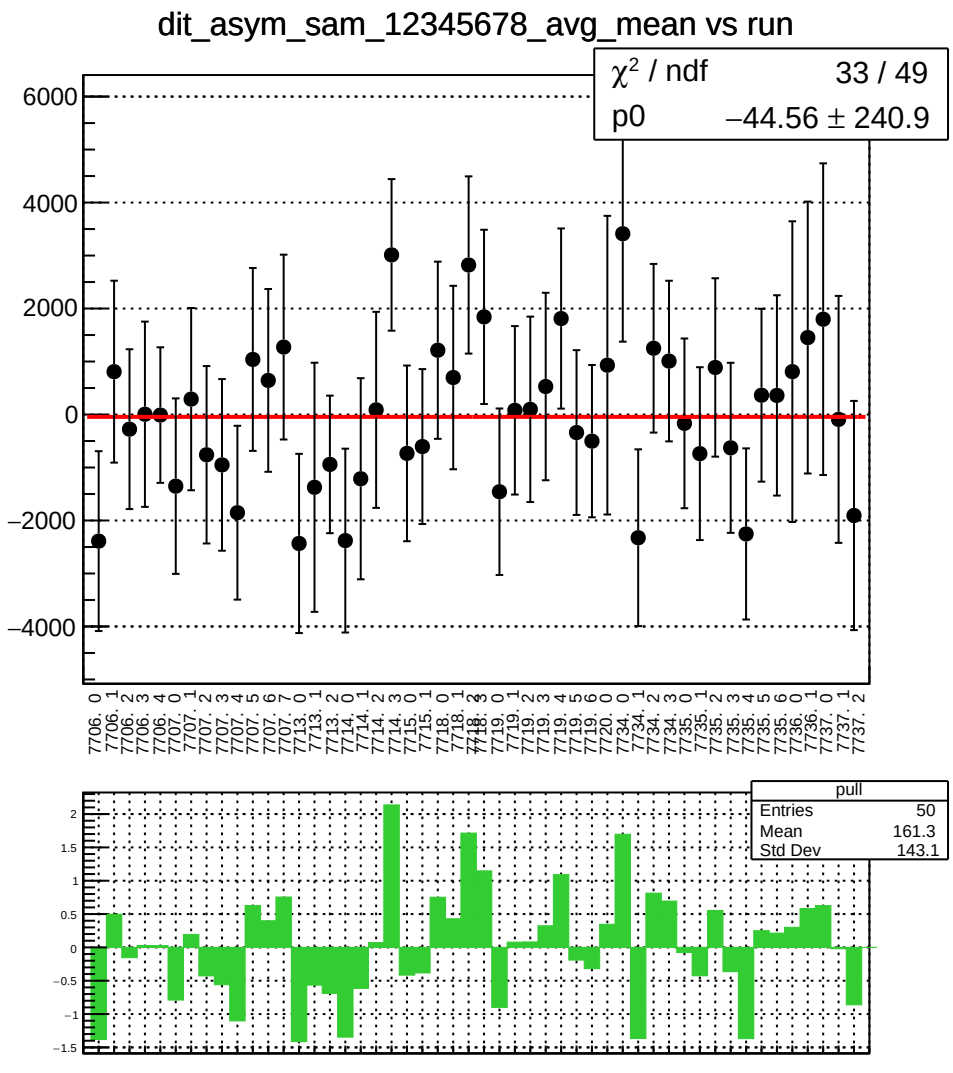

pull1D
Entries 50
Mean −0.006974
Std Dev 0.7636

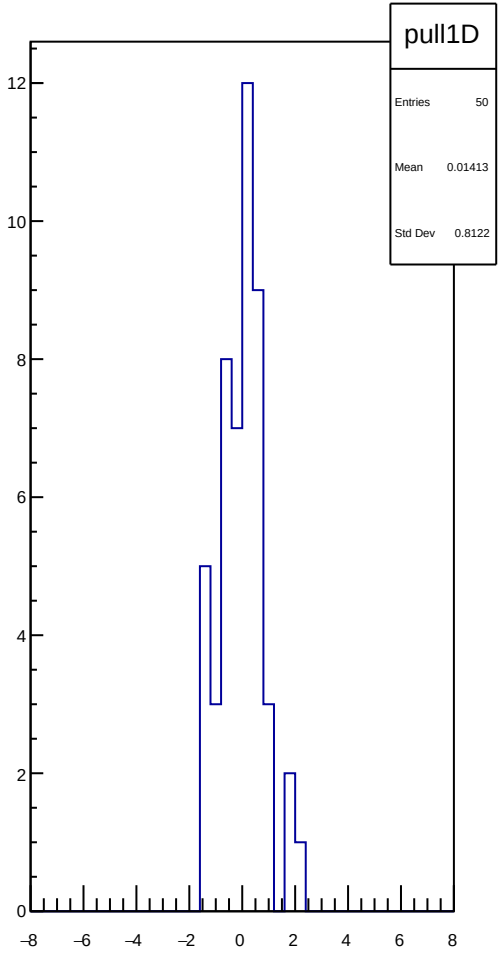

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.724e+04 / 49
p0 577.3 ± 0.5981
800
750
700
650
600
550
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

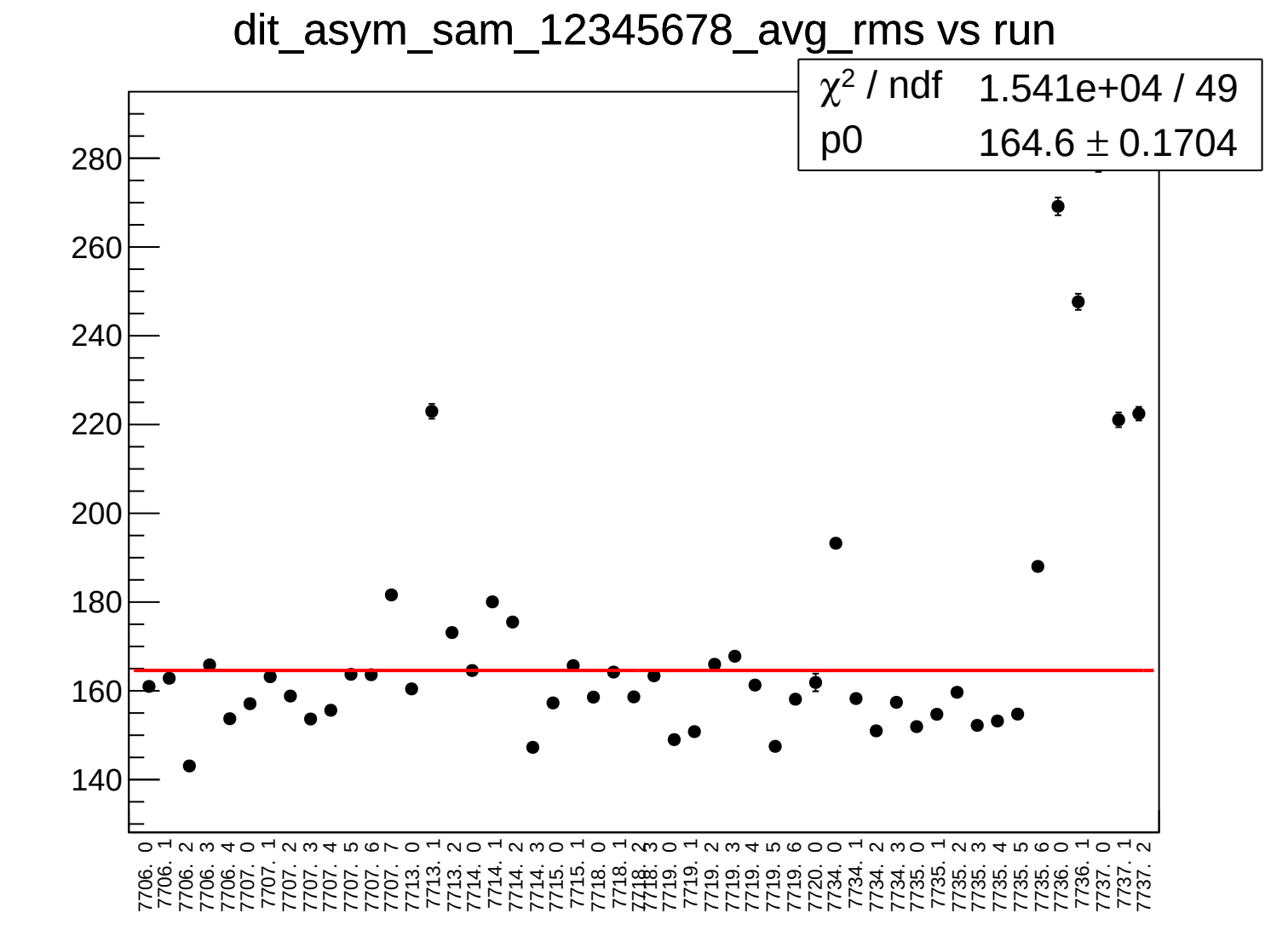

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 29.17 / 49
p0 −168.6 ± 839.6
pull
Entries 50
Mean −282.3
Std Dev 303.3

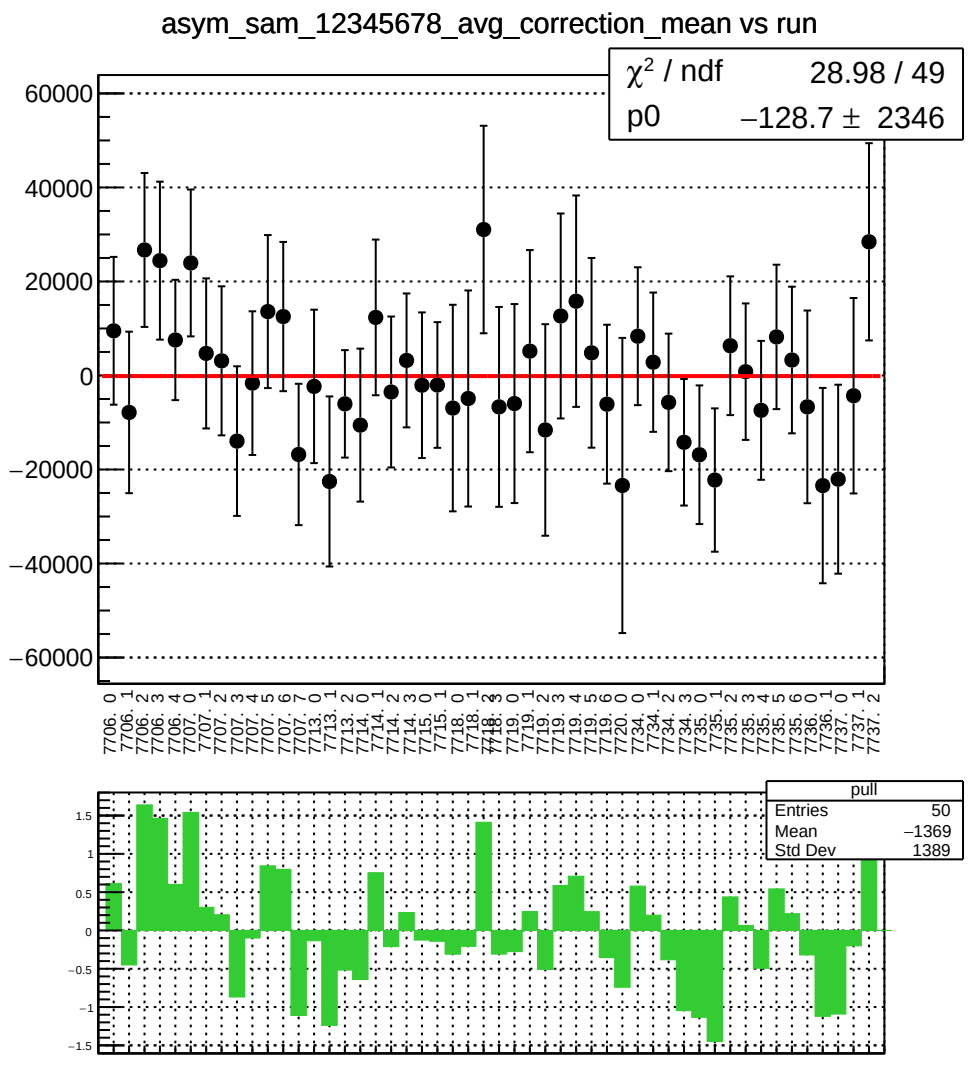

pull1D
Entries 50
Mean 0.01063
Std Dev 0.7637

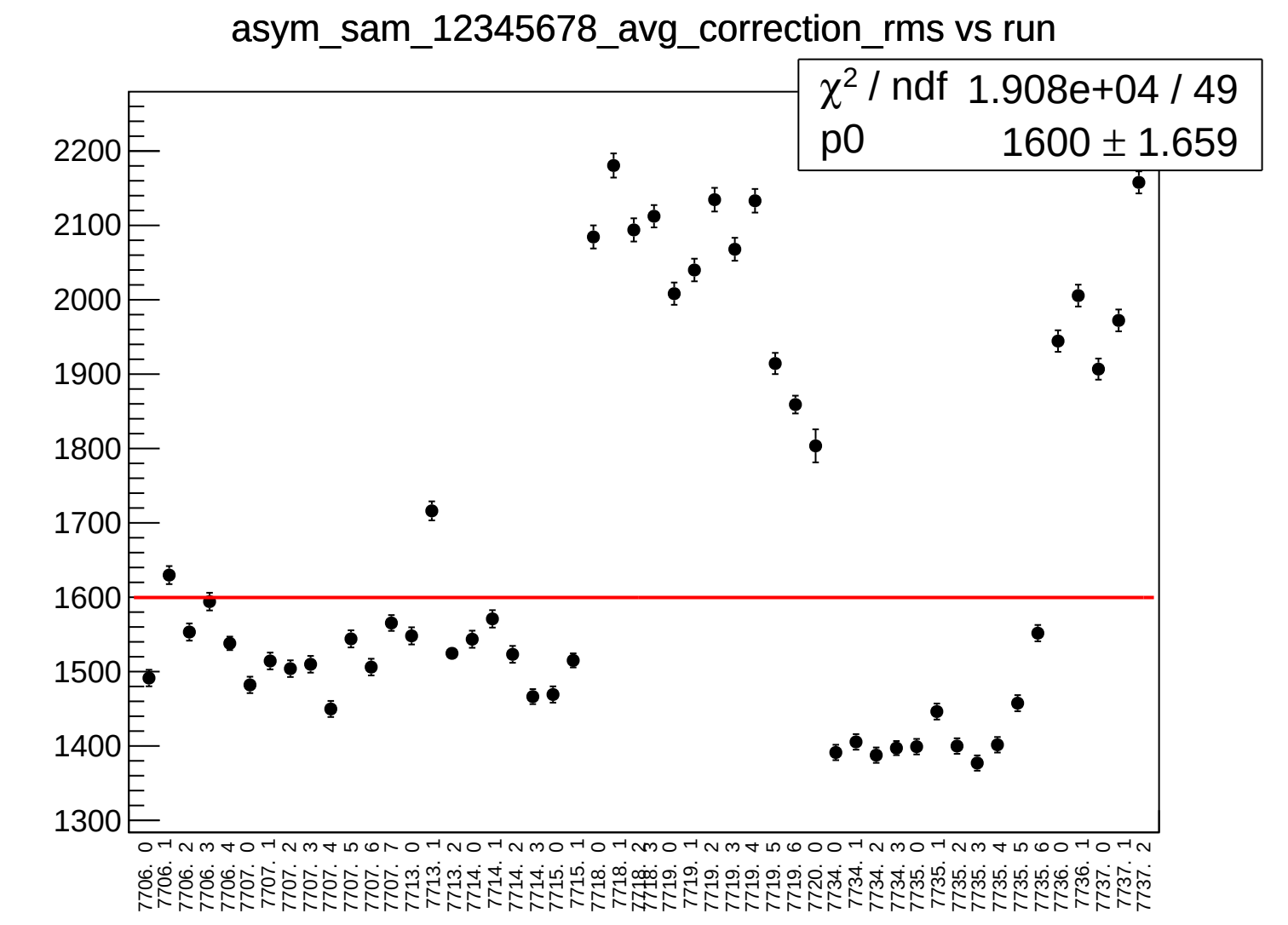

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.024e+04 / 49
p0 572.1 ± 0.5937
800
750
700
650
600
550
500
450
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

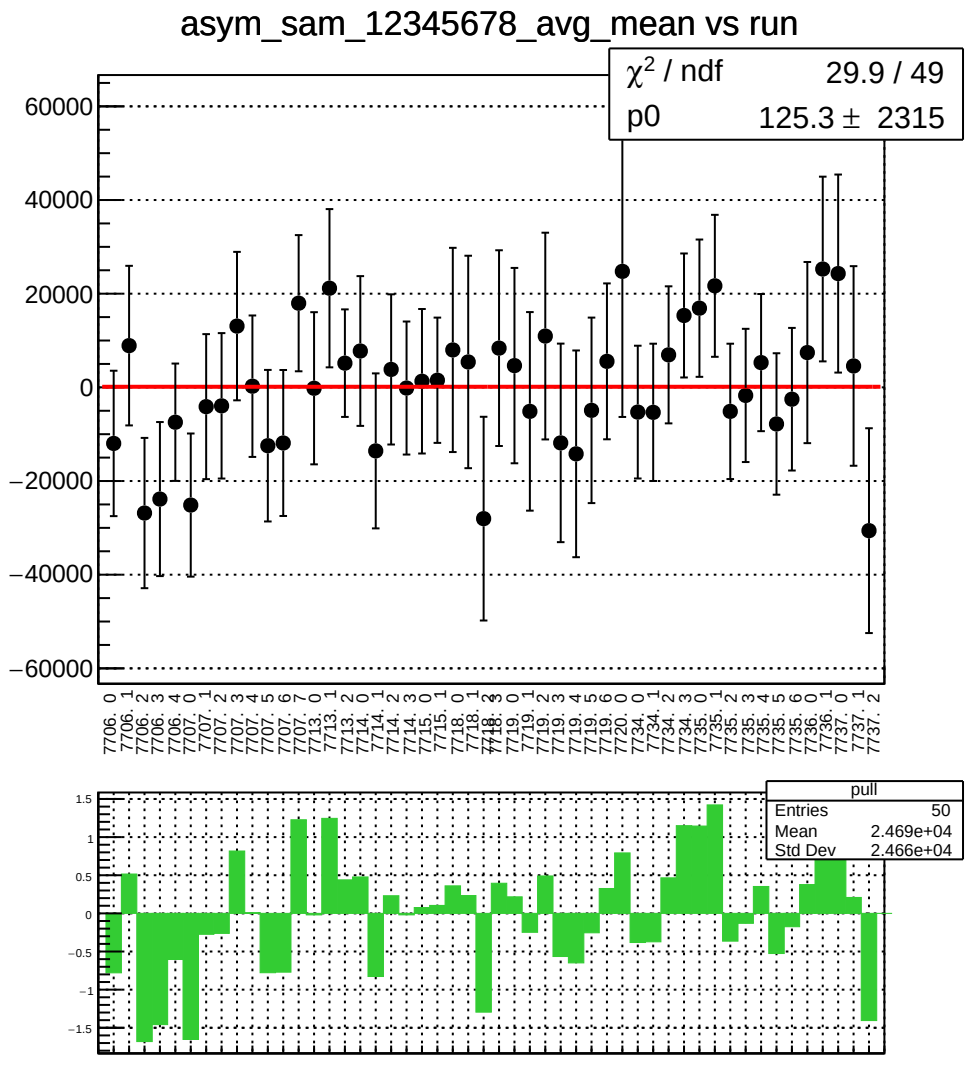

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 33 / 49
p0 −44.56 ± 240.9
6000
4000
2000
0
−2000
−4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 161.3
Std Dev 143.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

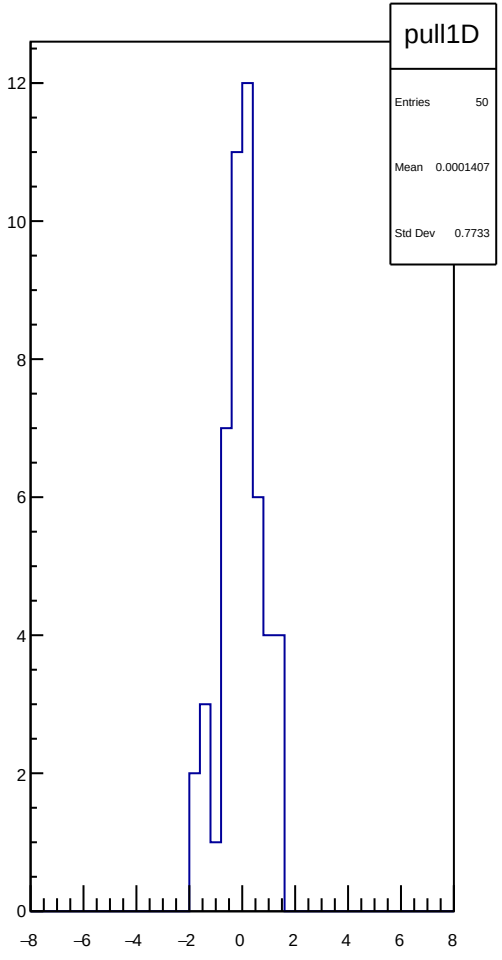

pull1D
Entries 50
Mean 0.01413
Std Dev 0.8122
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

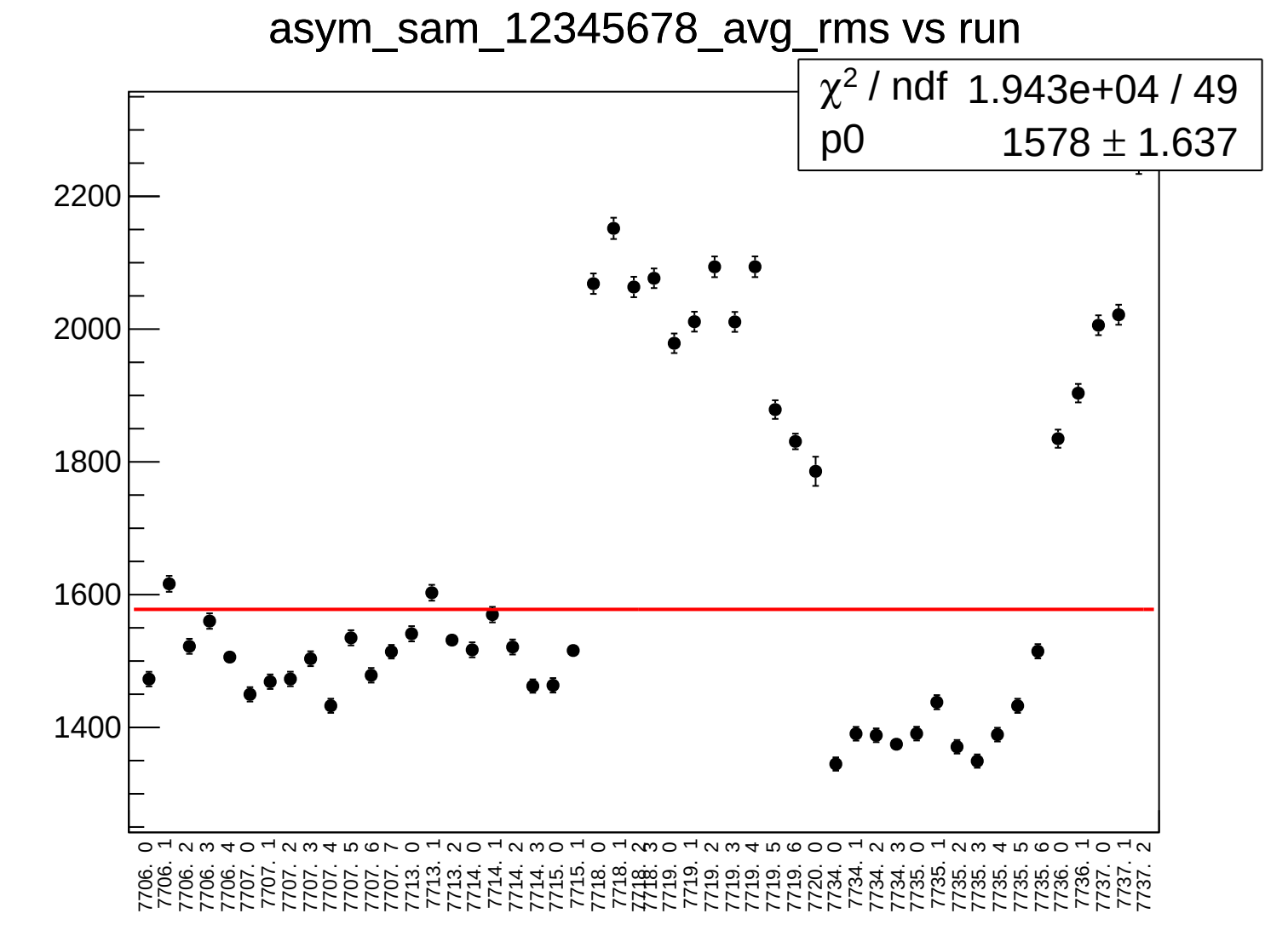

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.541e+04 / 49
p0 164.6 ± 0.1704
280
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

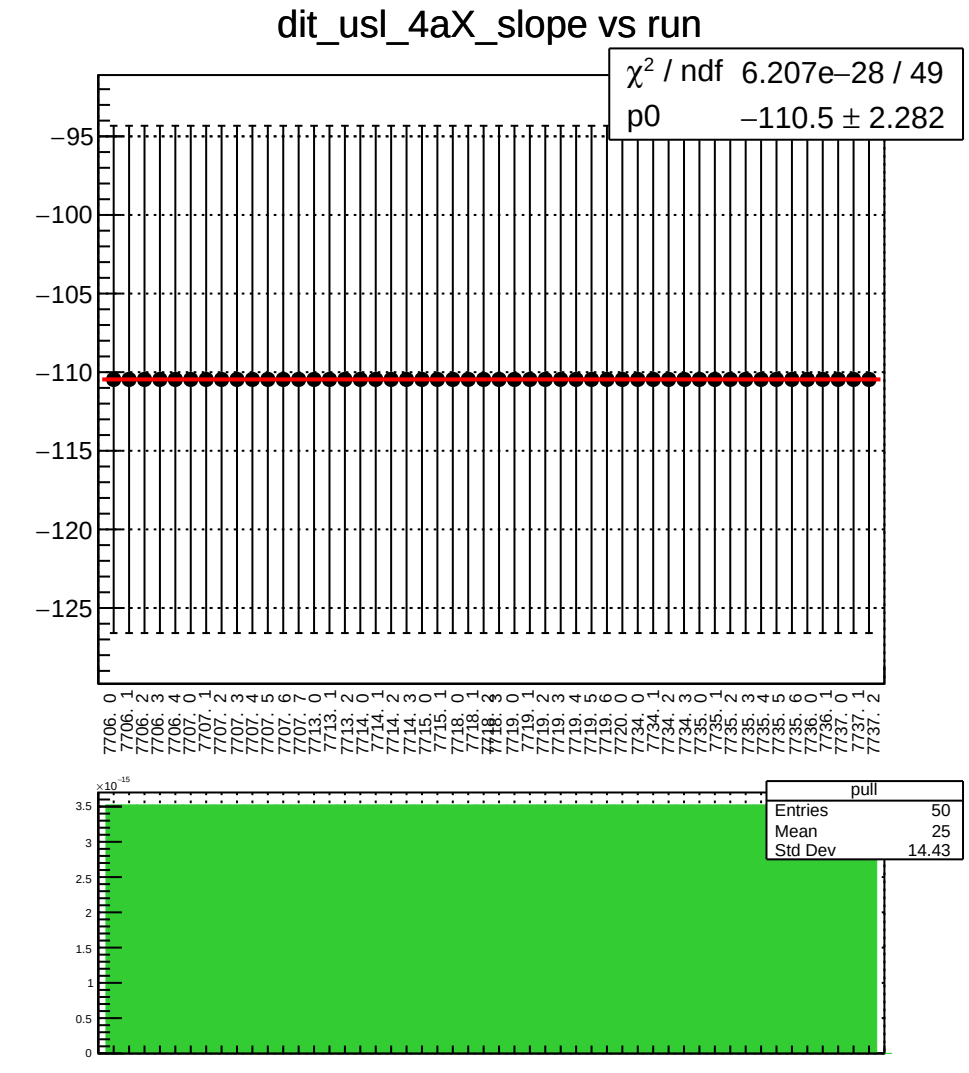

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 28.98 / 49
p0 −128.7 ± 2346
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −1369
Std Dev 1389
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.002276
Std Dev 0.7613
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

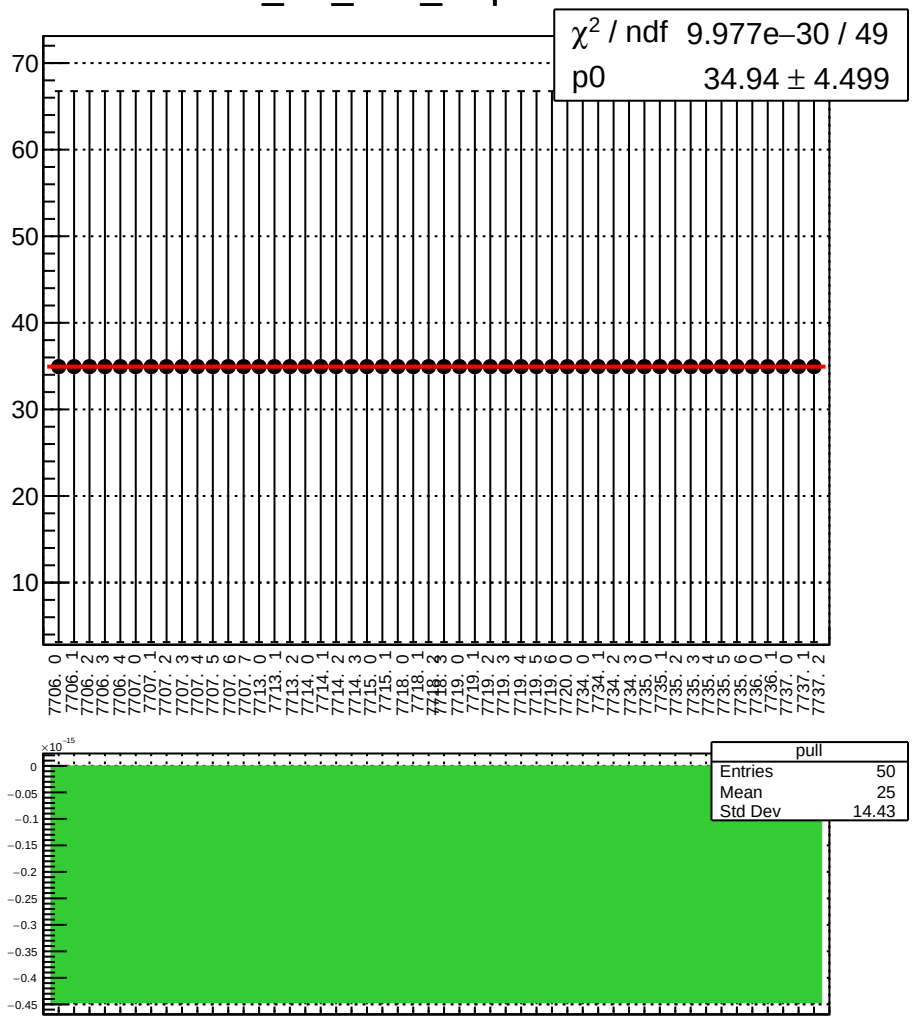

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1.908e+04 / 49
p0 1600 ± 1.659
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

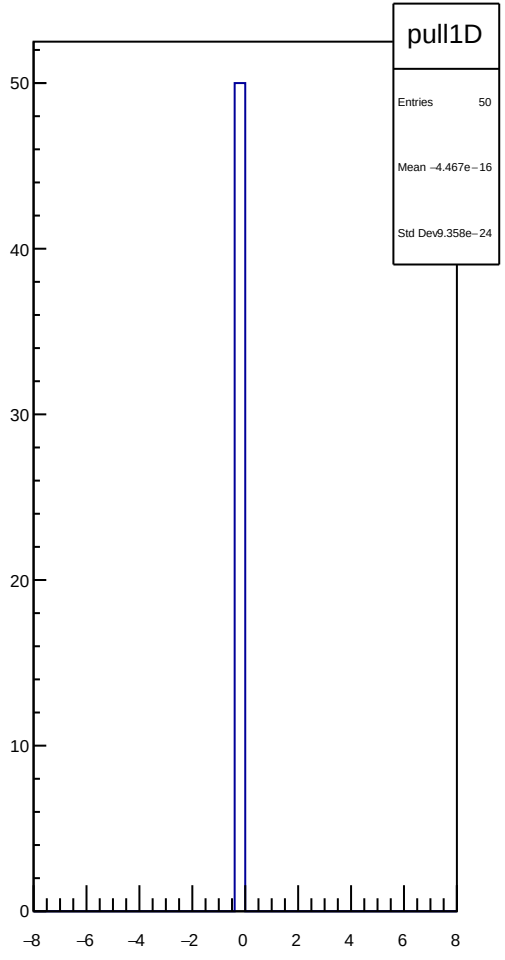

asym_sam_12345678_avg_mean vs run
χ² / ndf 29.9 / 49
p0 125.3 ± 2315
60000
40000
20000
0
−20000
−40000
−60000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 2.469e+04
Std Dev 2.466e+04
1.5
1
0.5
0
−0.5
−1
−1.5

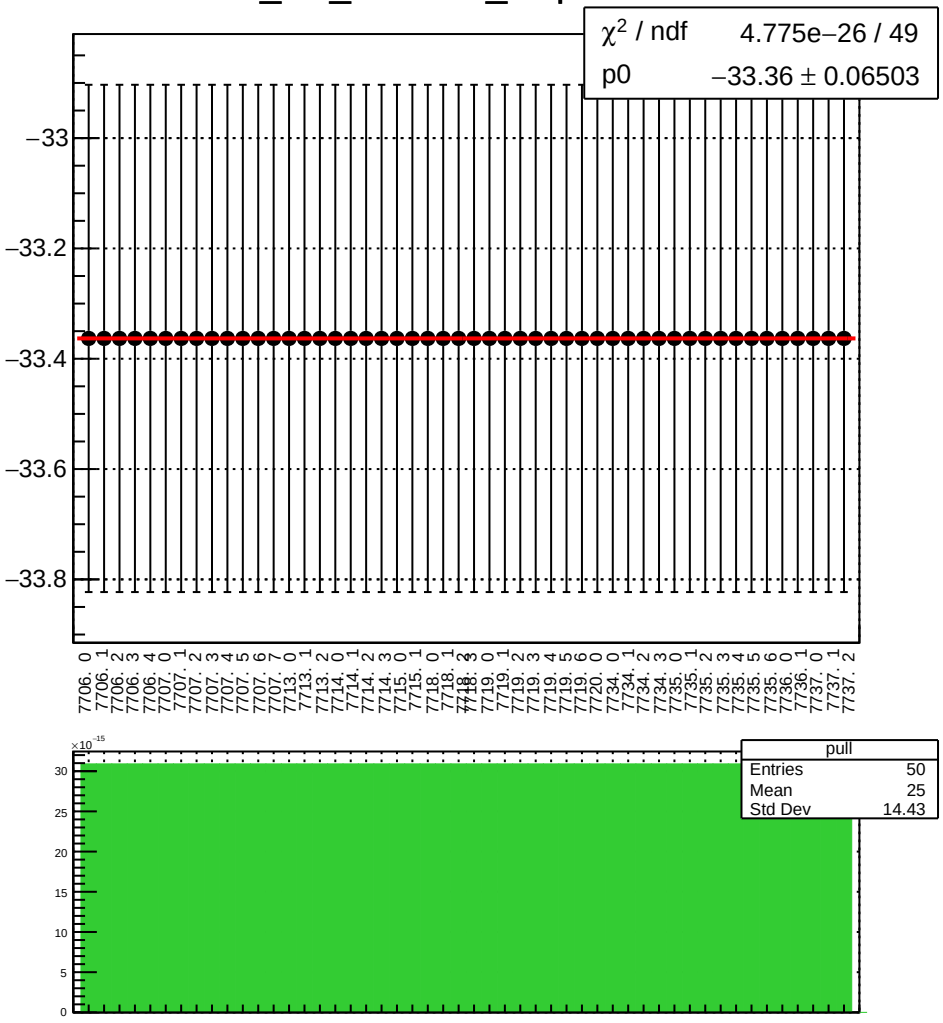

pull1D
Entries 50
Mean 0.0001407
Std Dev 0.7733
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

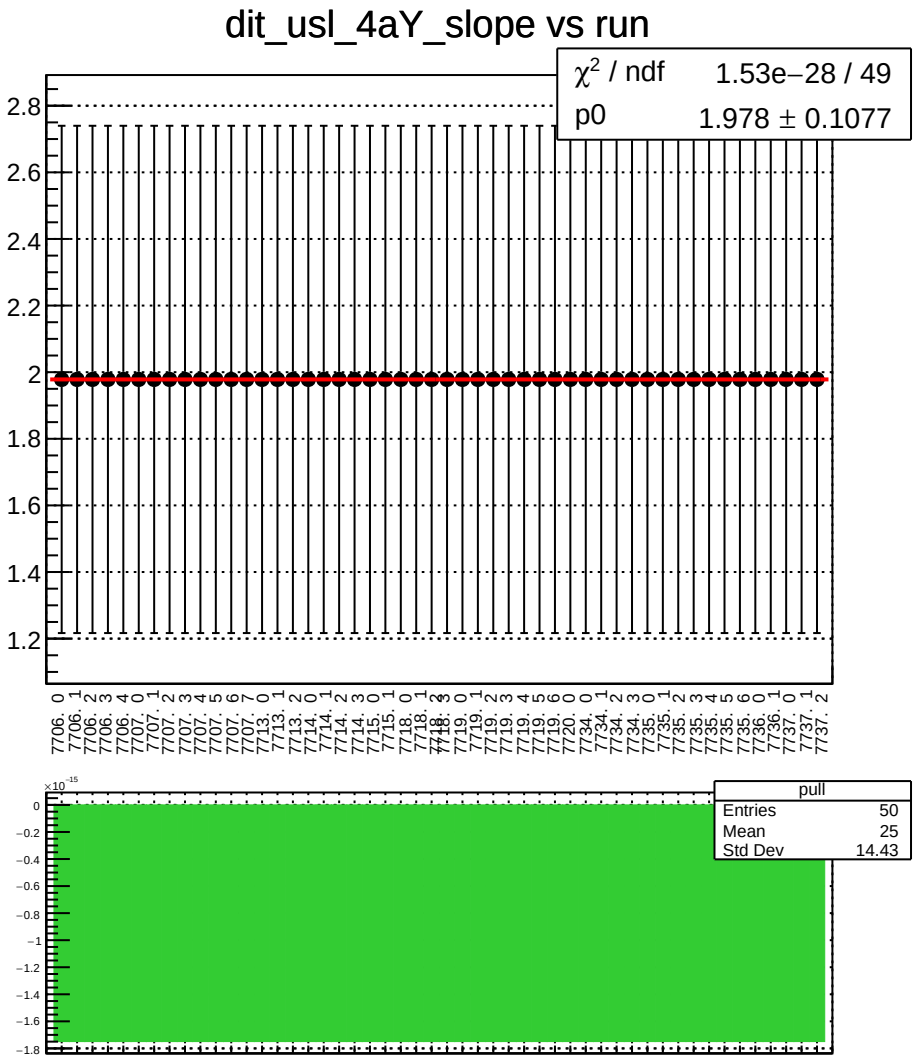

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.943e+04 / 49
p0 1578 ± 1.637
2200
2000
1800
1600
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

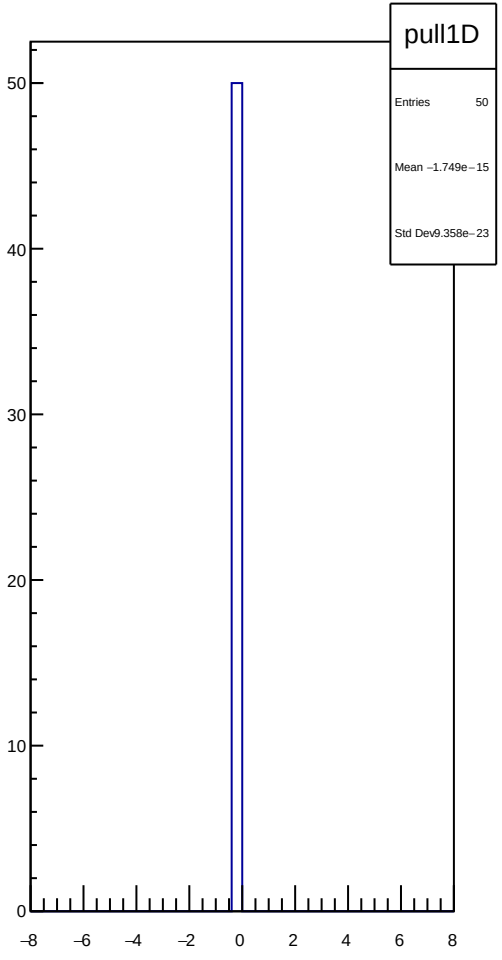

dit_usl_4aX_slope vs run
χ² / ndf 6.207e−28 / 49
p0 −110.5 ± 2.282
−95
−100
−105
−110
−115
−120
−125
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 3.523e−15
Std Dev 1.715e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

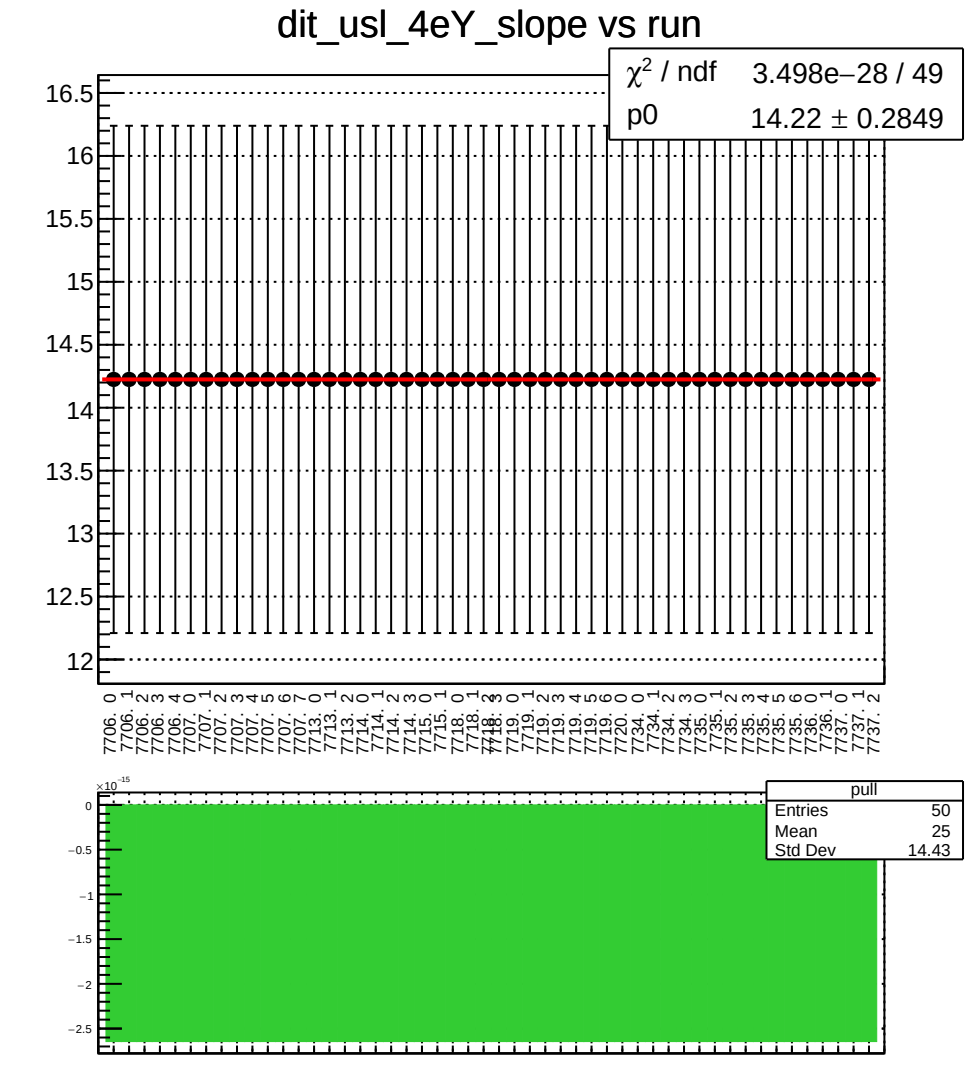

dit_usl_4eX_slope vs run
χ² / ndf 9.977e−30 / 49
p0 34.94 ± 4.499
pull
Entries 50
Mean 25
Std Dev 14.43

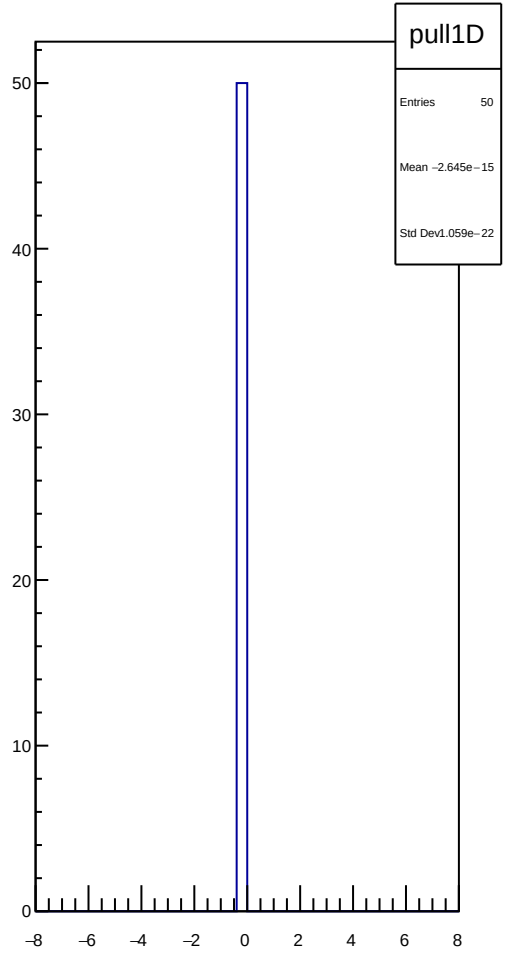

pull1D
Entries 50
Mean −4.467e−16
Std Dev 9.358e−24

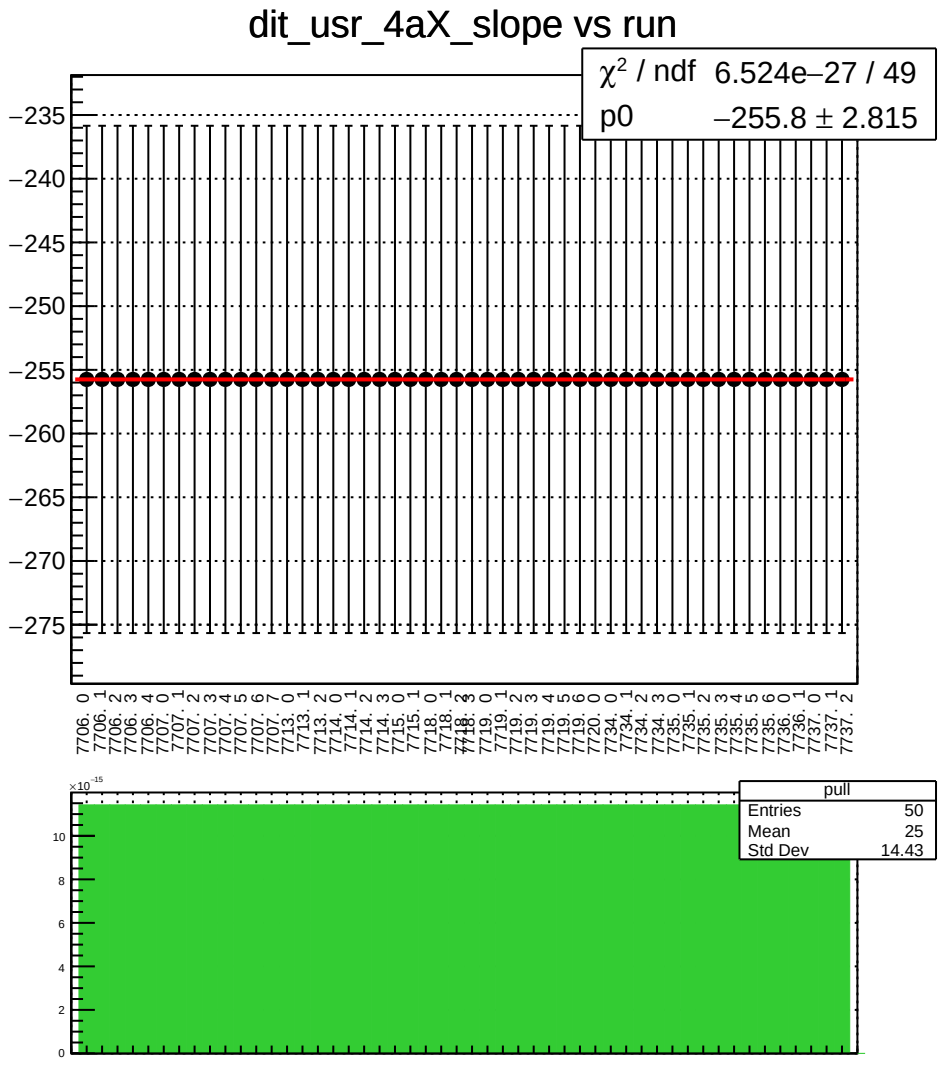

dit_usl_11X12X_slope vs run
χ² / ndf 4.775e−26 / 49
p0 −33.36 ± 0.06503
−33
−33.2
−33.4
−33.6
−33.8
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 3.09e−14
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

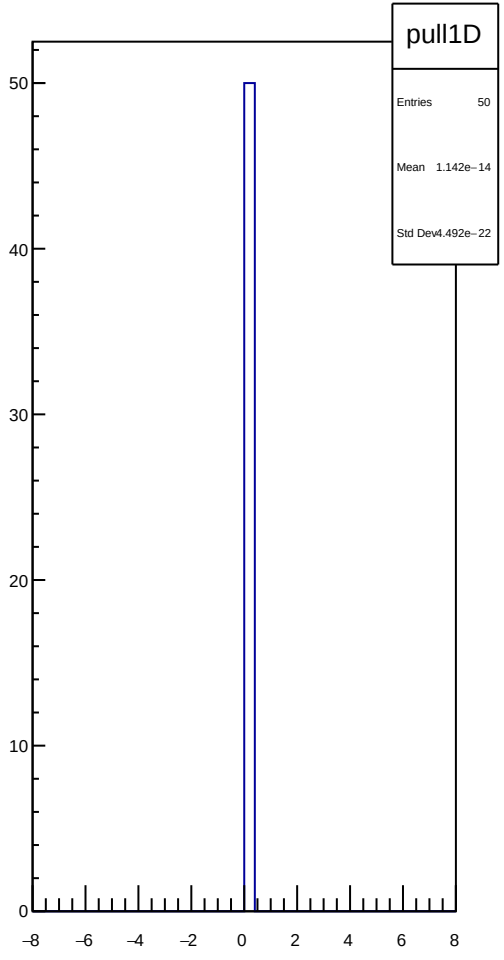

dit_usl_4aY_slope vs run
χ² / ndf 1.53e−28 / 49
p0 1.978 ± 0.1077
pull
Entries 50
Mean 25
Std Dev 14.43

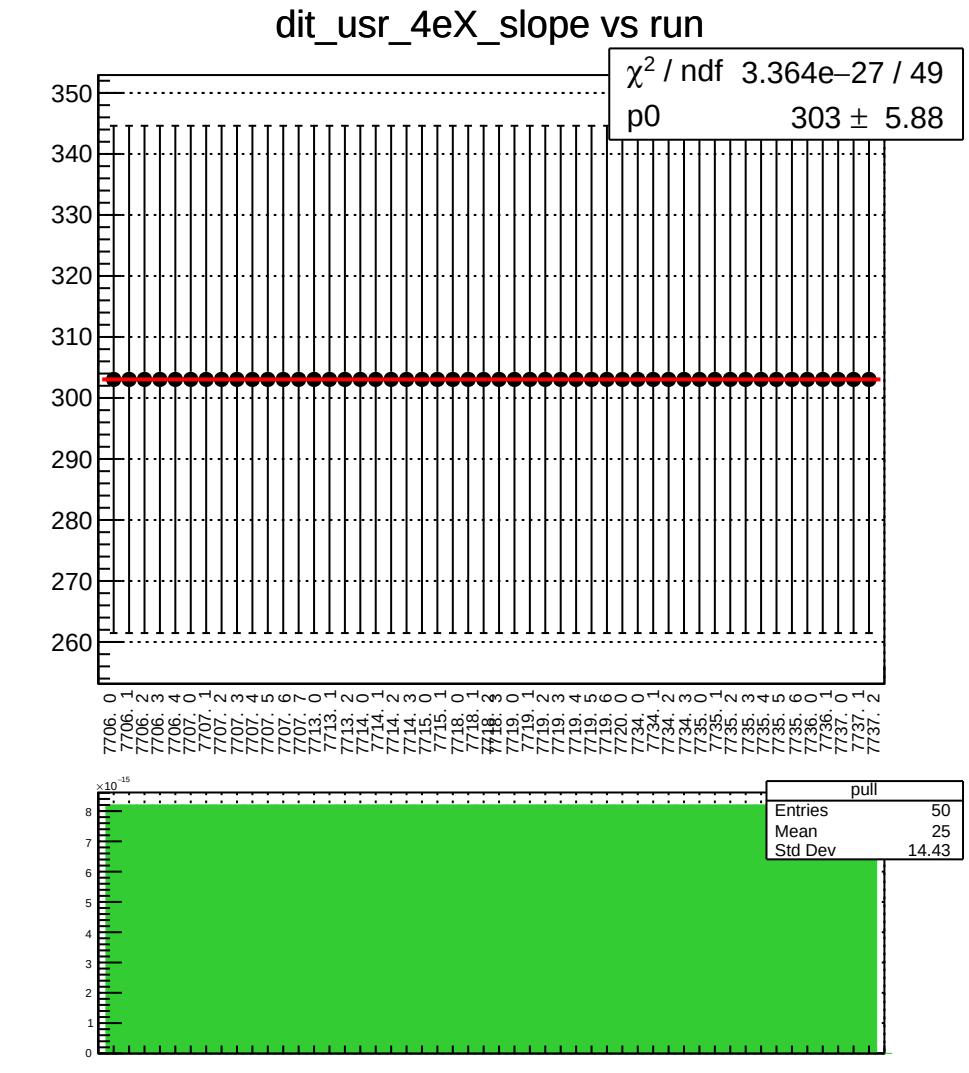

pull1D
Entries 50
Mean −1.749e−15
Std Dev 9.358e−23

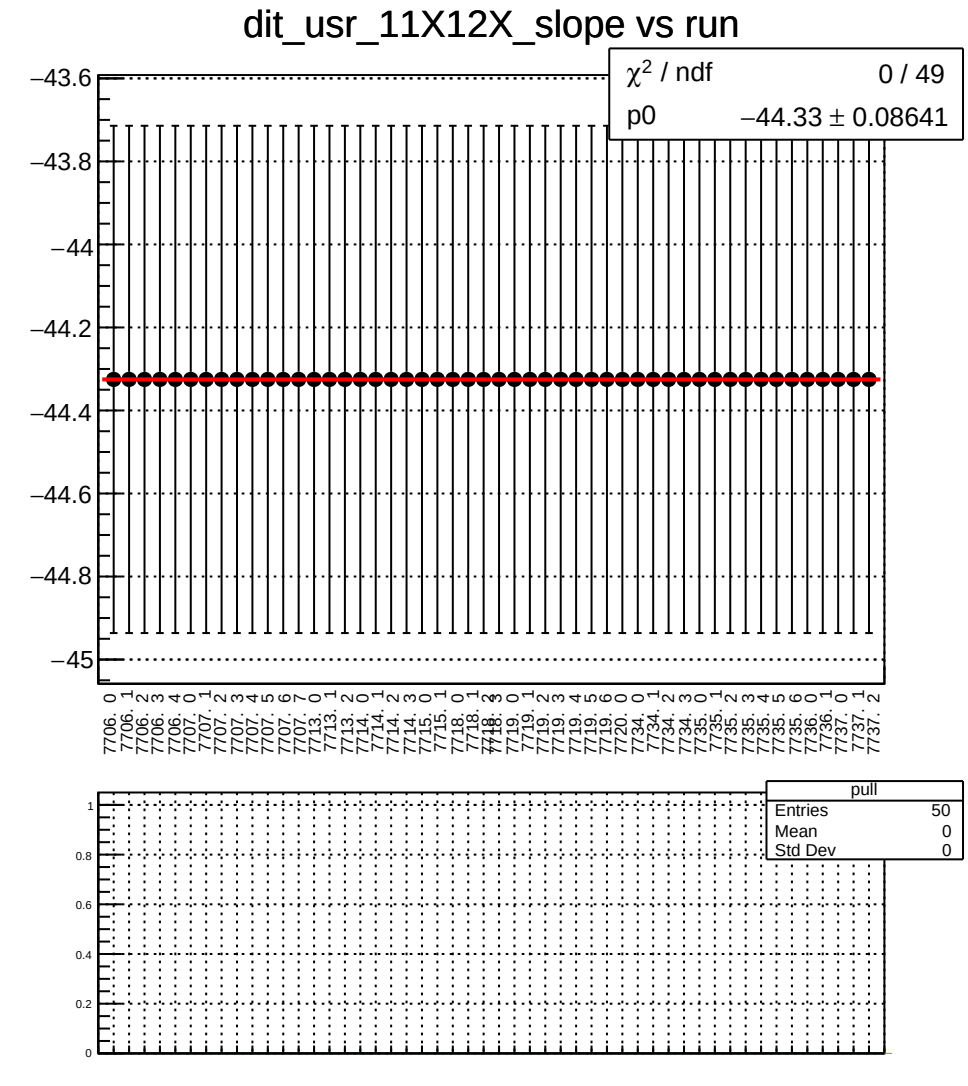

dit_usl_4eY_slope vs run
χ² / ndf 3.498e−28 / 49
p0 14.22 ± 0.2849
16.5
16
15.5
15
14.5
14
13.5
13
12.5
12
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 50
Mean 25
Std Dev 14.43

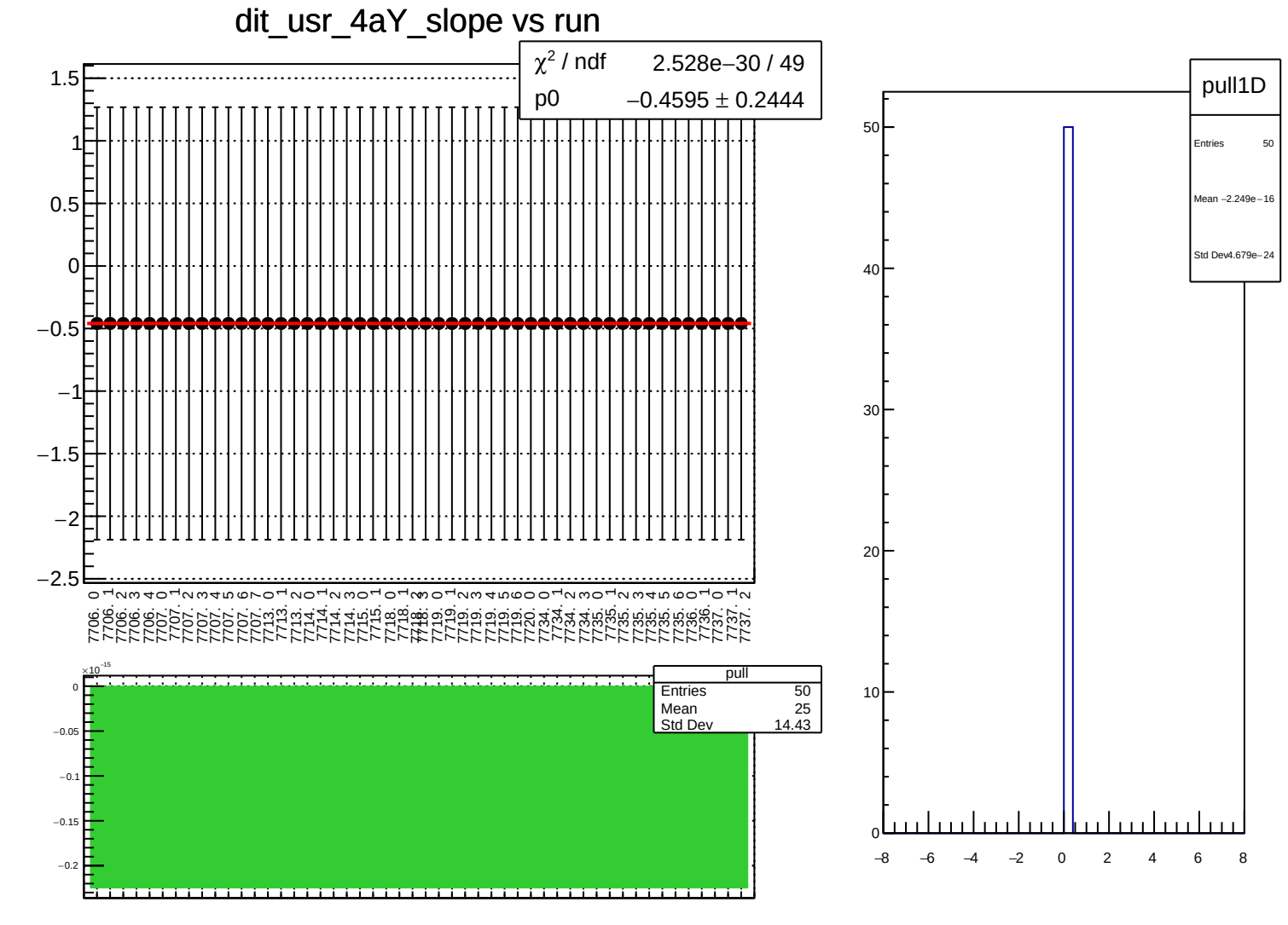

pull1D
Entries 50
Mean −2.645e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

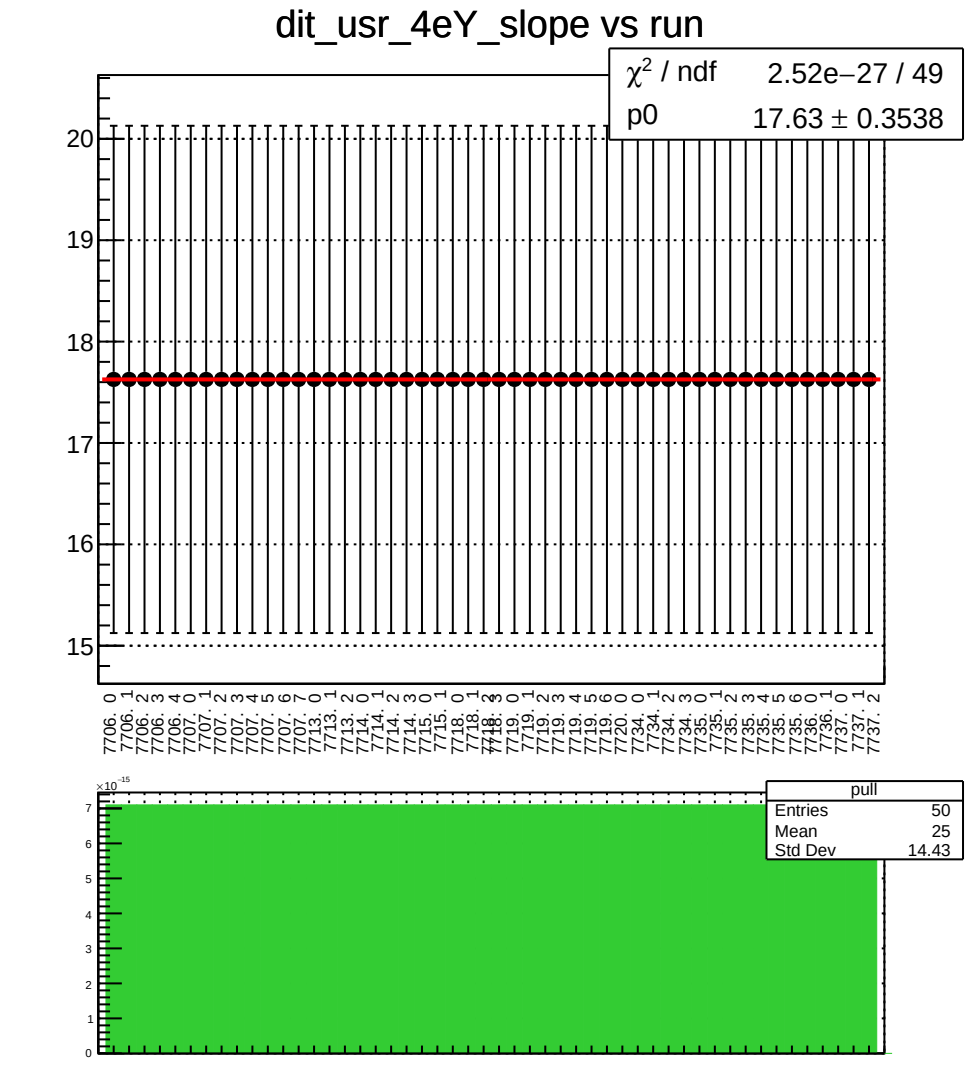

dit_usr_4aX_slope vs run
χ² / ndf 6.524e−27 / 49
p0 −255.8 ± 2.815
−235
−240
−245
−250
−255
−260
−265
−270
−275
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43

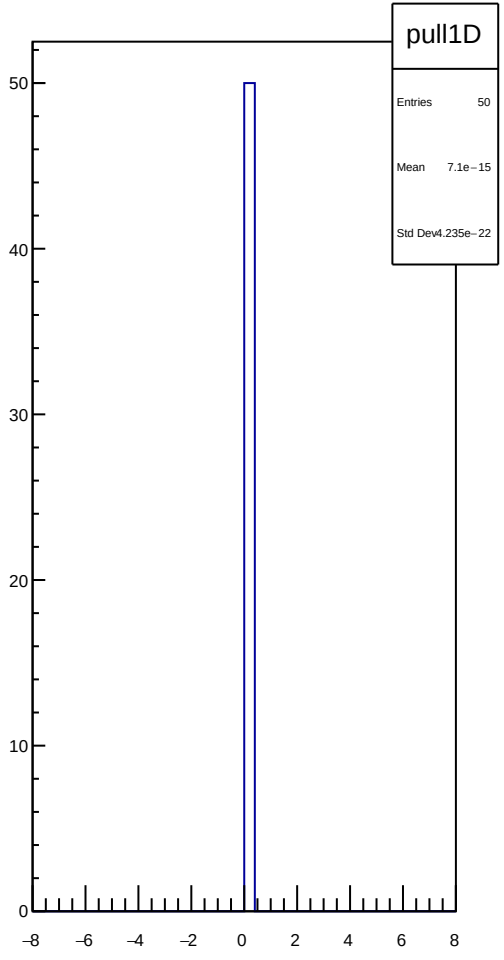

pull1D
Entries 50
Mean 1.142e−14
Std Dev4.492e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

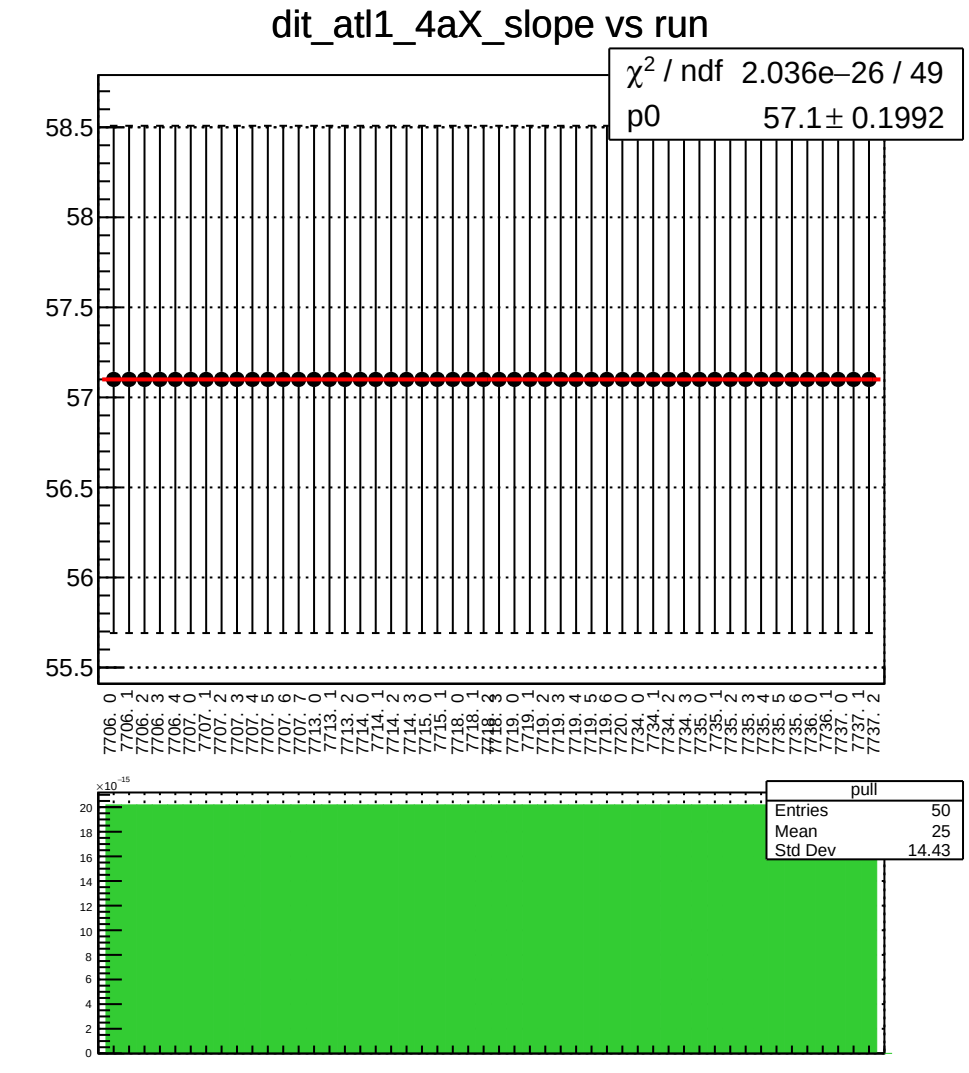

dit_usr_4eX_slope vs run
χ² / ndf 3.364e−27 / 49
p0 303 ± 5.88
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 8.203e−15
Std Dev1.059e−22

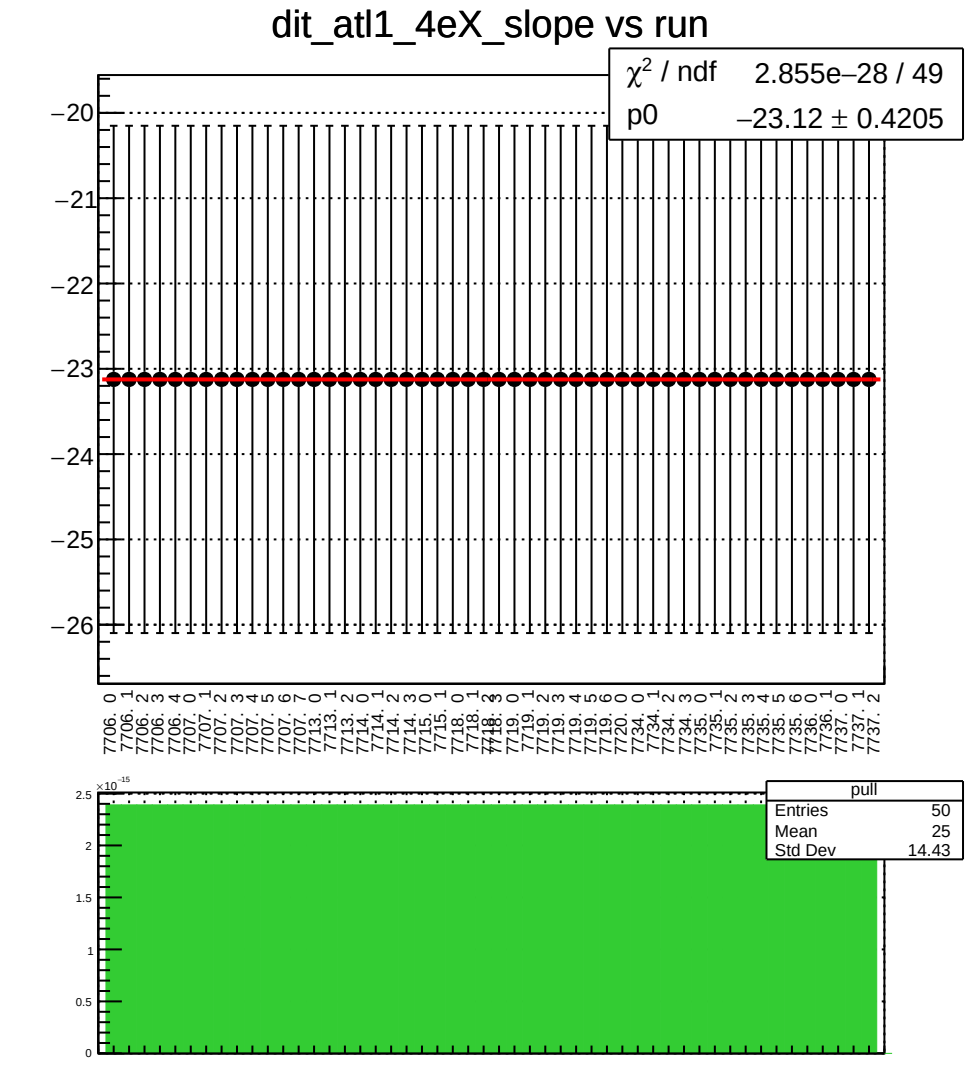

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 49
p0 −44.33 ± 0.08641
−43.6
−43.8
−44
−44.2
−44.4
−44.6
−44.8
−45
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

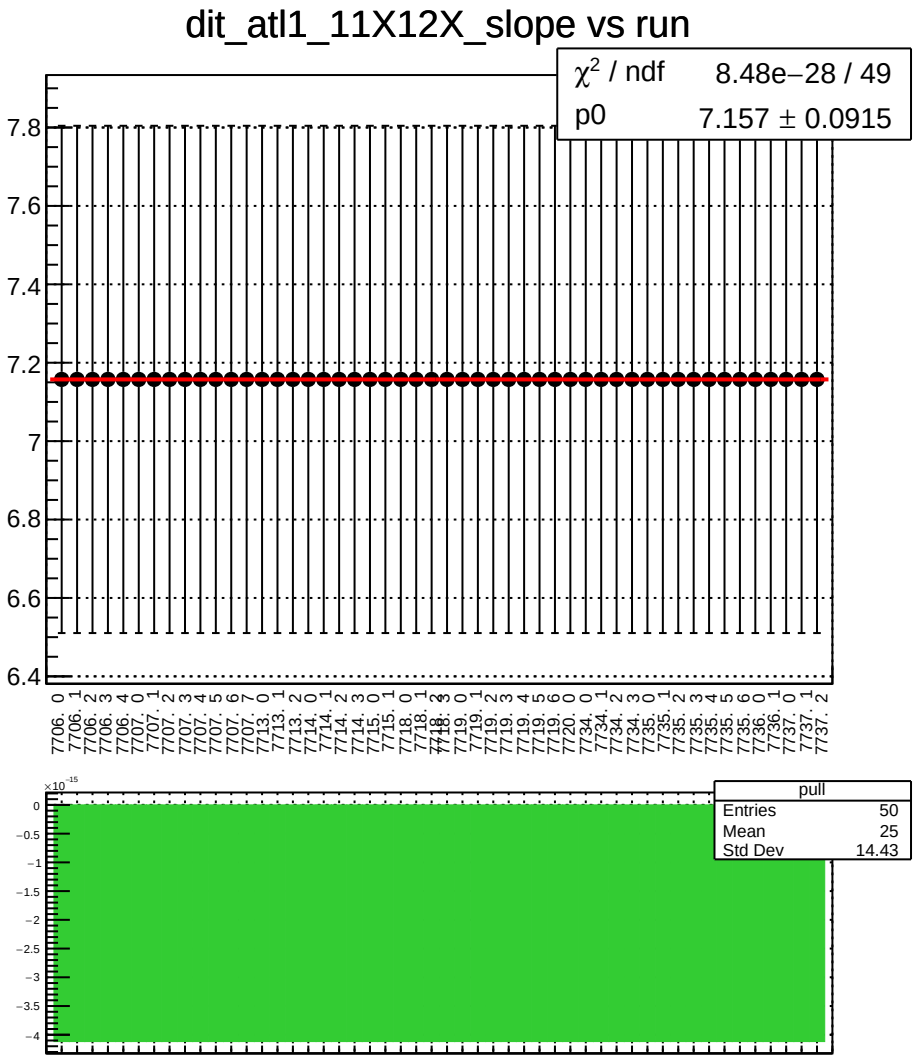

dit_usr_4aY_slope vs run
χ² / ndf 2.528e−30 / 49
p0 −0.4595 ± 0.2444
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −2.249e−16
Std Dev4.679e−24
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

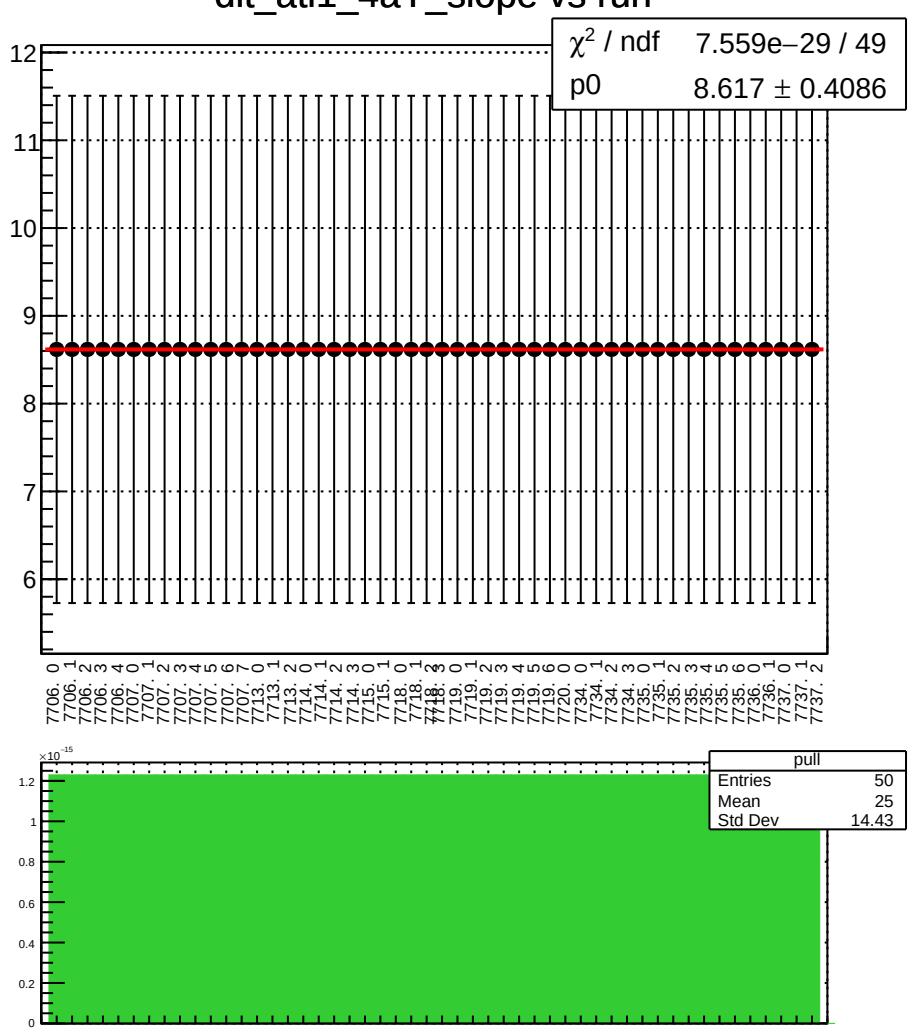

dit_usr_4eY_slope vs run
χ² / ndf 2.52e−27 / 49
p0 17.63 ± 0.3538
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵

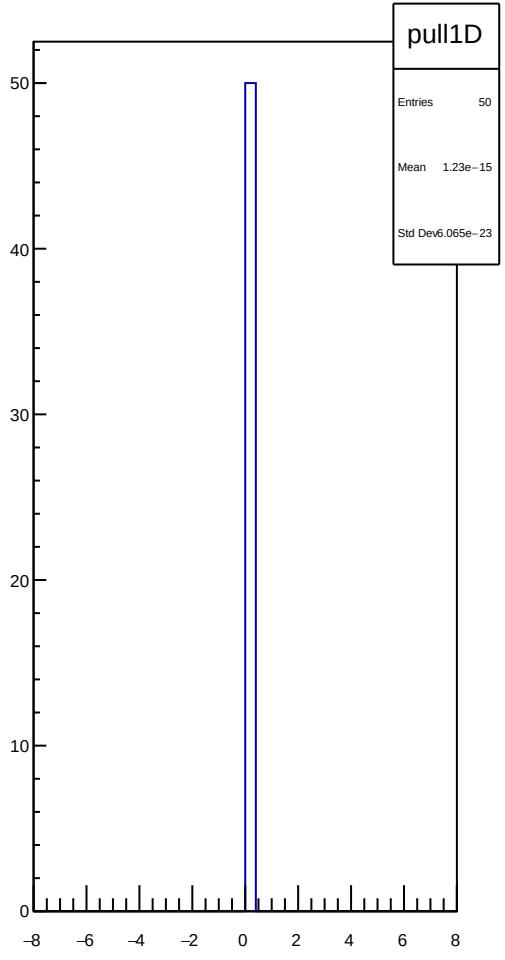

pull1D
Entries 50
Mean 7.1e−15
Std Dev 4.235e−22

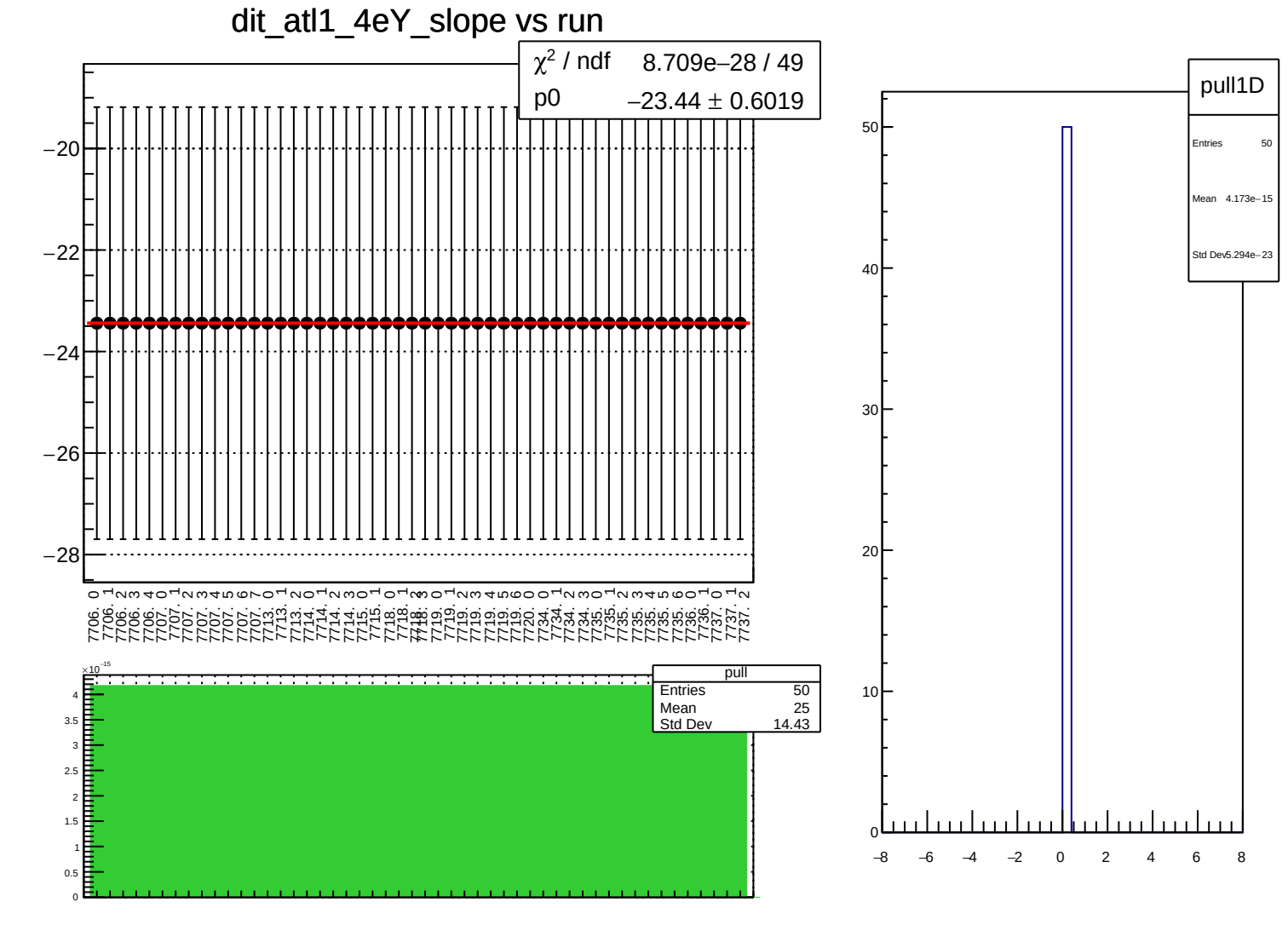

dit_atl1_4aX_slope vs run
χ² / ndf 2.036e−26 / 49
p0 57.1 ± 0.1992
58.5
58
57.5
57
56.5
56
55.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 2.018e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

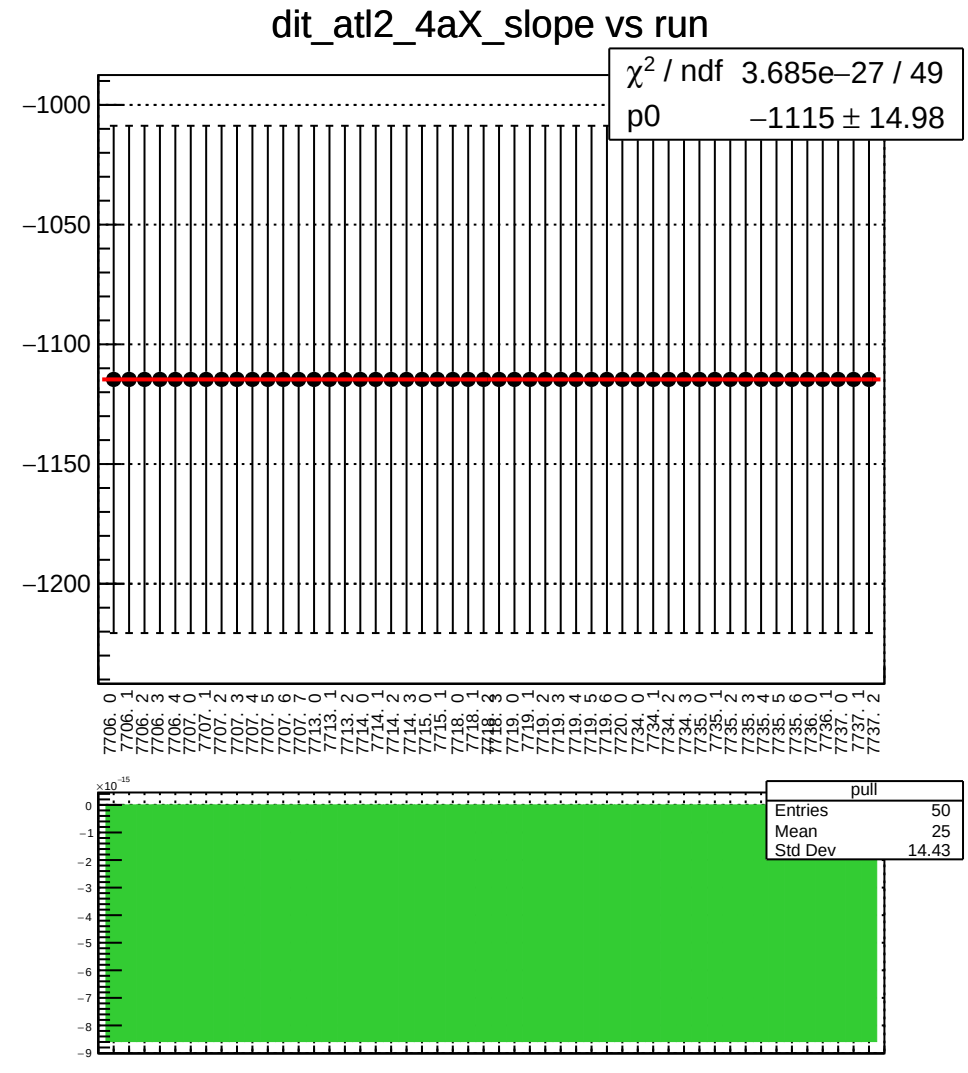

dit_atl1_4eX_slope vs run
χ² / ndf 2.855e−28 / 49
p0 −23.12 ± 0.4205
−20
−21
−22
−23
−24
−25
−26
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 2.39e−15
Std Dev 8.779e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

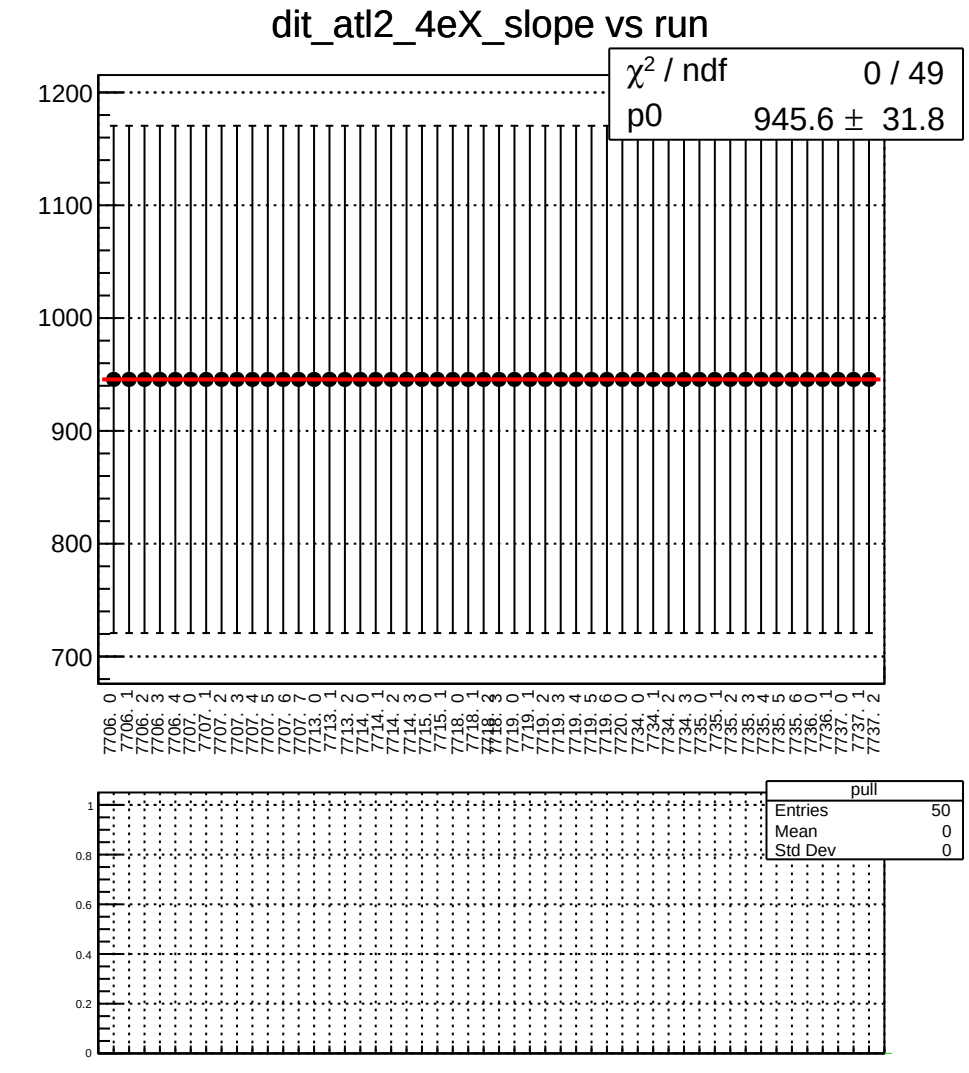

dit_atl1_11X12X_slope vs run
χ² / ndf 8.48e−28 / 49
p0 7.157 ± 0.0915
7.8
7.6
7.4
7.2
7
6.8
6.6
6.4
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −4.118e−15
Std Dev1.497e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

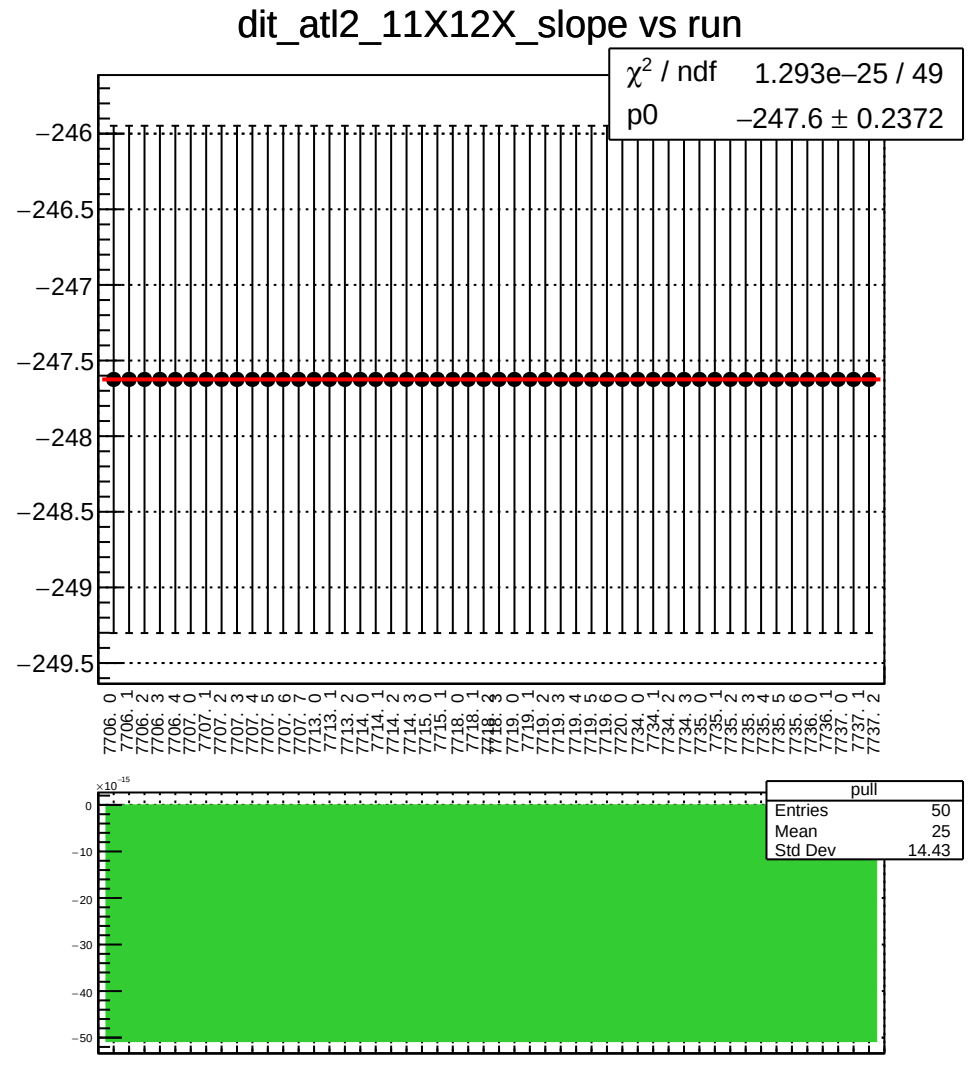

dit_atl1_4aY_slope vs run
χ² / ndf 7.559e−29 / 49
p0 8.617 ± 0.4086
pull
Entries 50
Mean 25
Std Dev 14.43

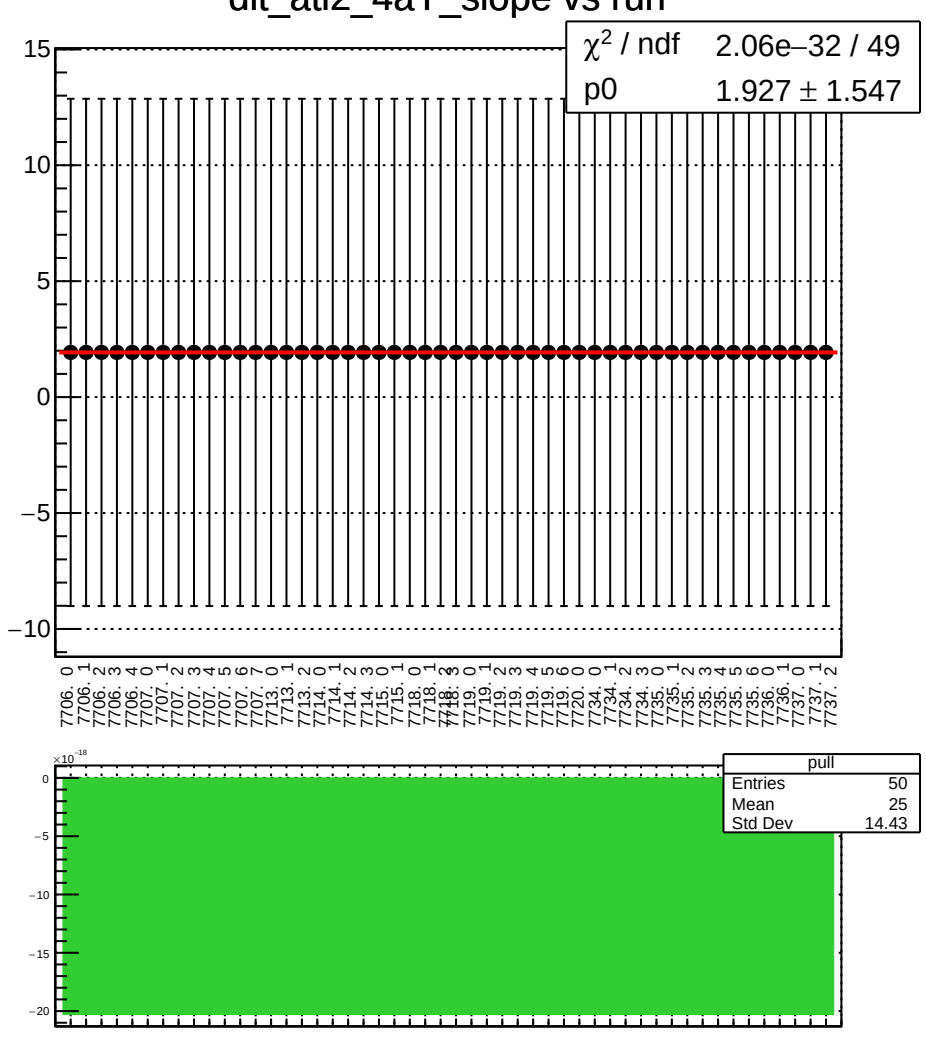

pull1D
Entries 50
Mean 1.23e−15
Std Dev 6.065e−23

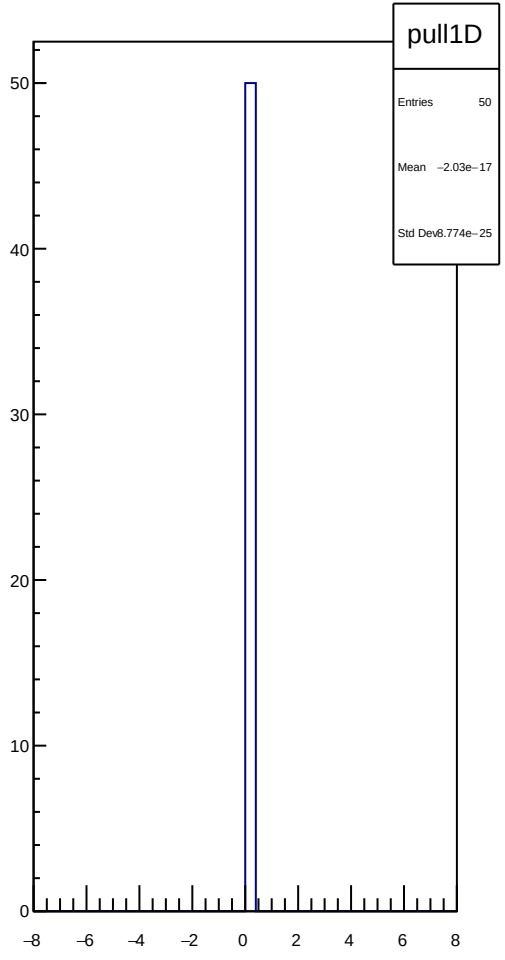

dit_atl1_4eY_slope vs run
χ² / ndf 8.709e−28 / 49
p0 −23.44 ± 0.6019
−20
−22
−24
−26
−28
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 4.173e−15
Std Dev 5.294e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

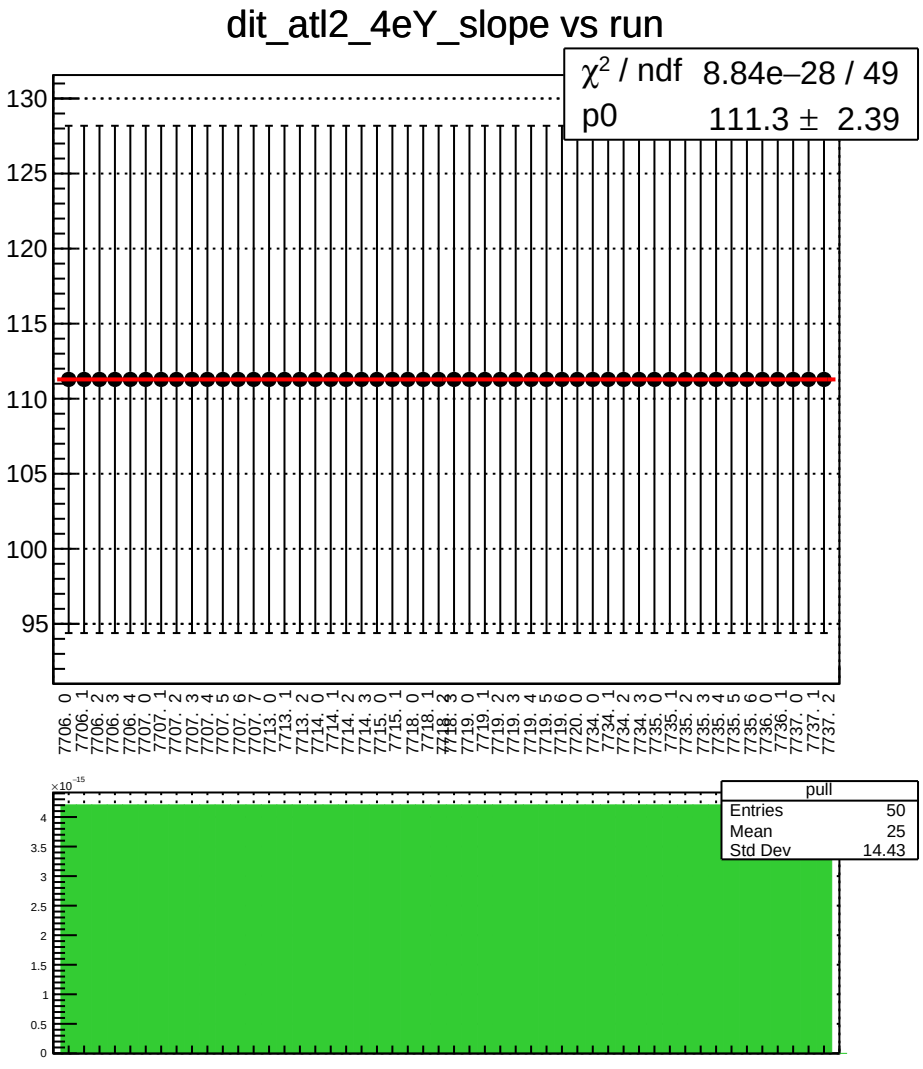

dit_atl2_4aX_slope vs run
χ² / ndf 3.685e−27 / 49
p0 −1115 ± 14.98
−1000
−1050
−1100
−1150
−1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−1
−2
−3
−4
−5
−6
−7
−8
−9
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −8.585e−15
Std Dev 2.368e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

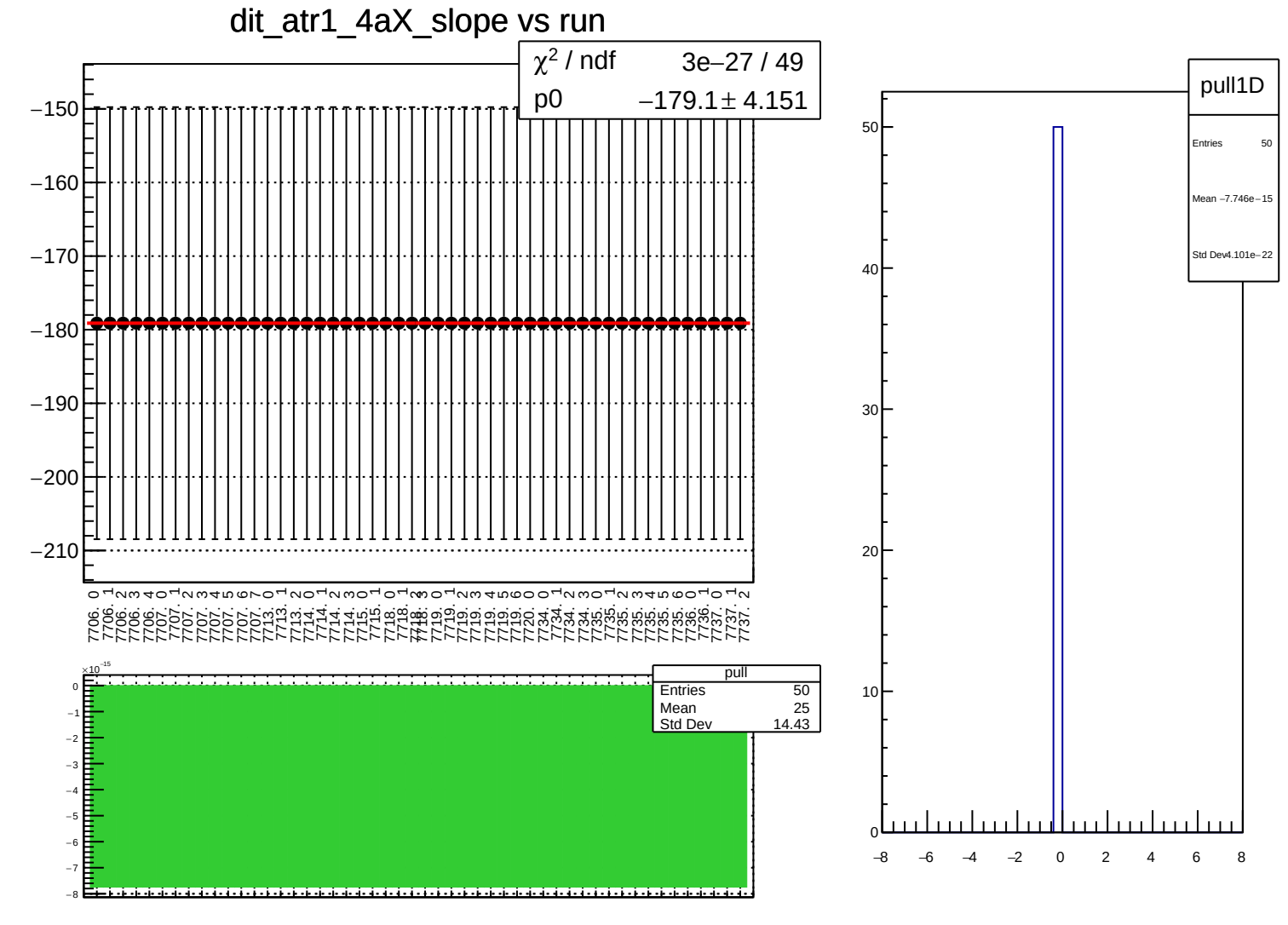

dit_atl2_4eX_slope vs run
χ^2 / ndf 0 / 49
p0 945.6 ± 31.8
1200
1100
1000
900
800
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

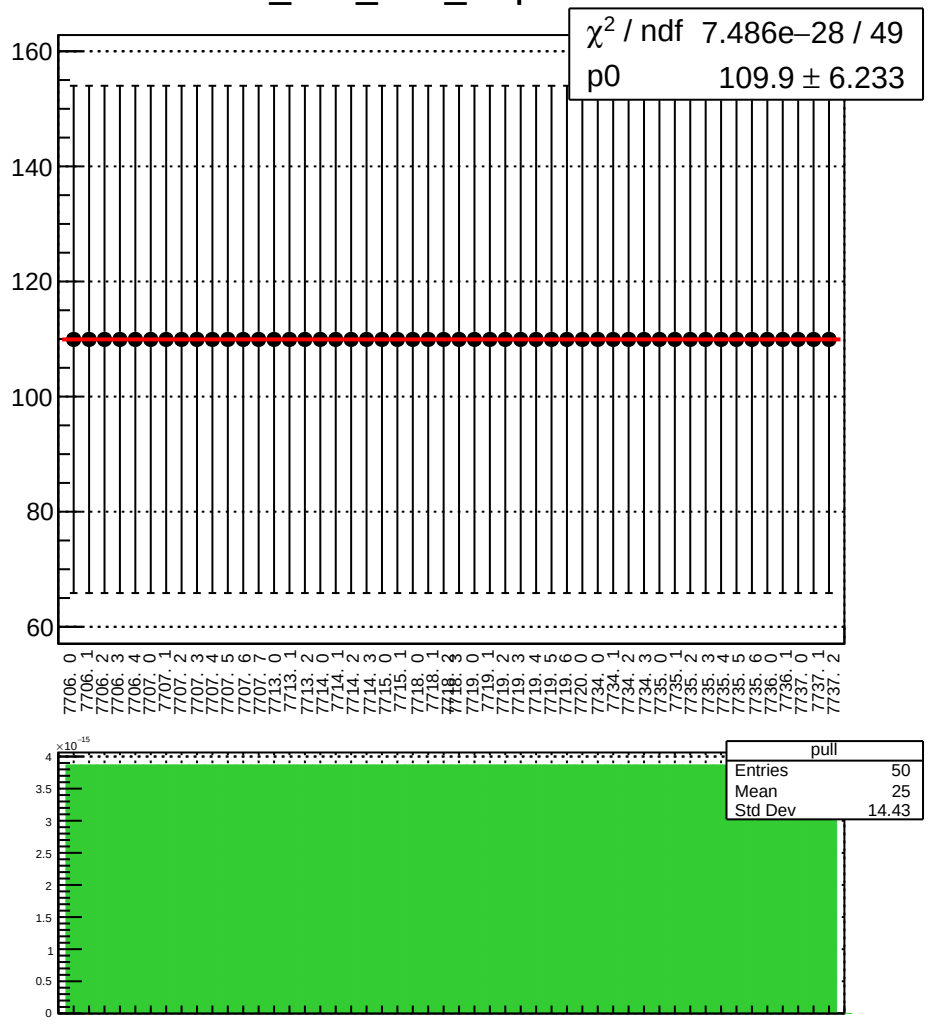

dit_atl2_11X12X_slope vs run
χ² / ndf 1.293e−25 / 49
p0 −247.6 ± 0.2372
−246
−246.5
−247
−247.5
−248
−248.5
−249
−249.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −5.084e−14
Std Dev2.241e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

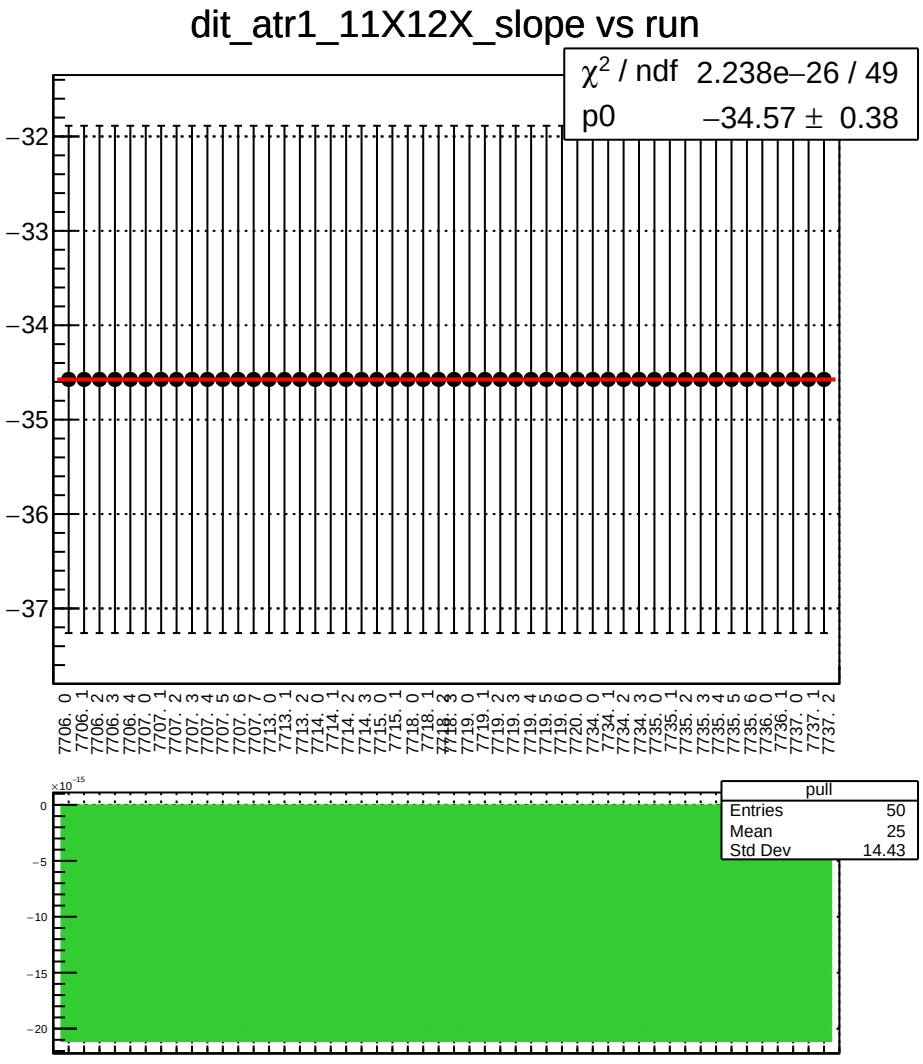

dit_atl2_4aY_slope vs run
χ² / ndf 2.06e−32 / 49
p0 1.927 ± 1.547
15
10
5
0
−5
−10
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻±⁸
0
−5
−10
−15
−20
pull
Entries 50
Mean 25
Std Dev 14.43

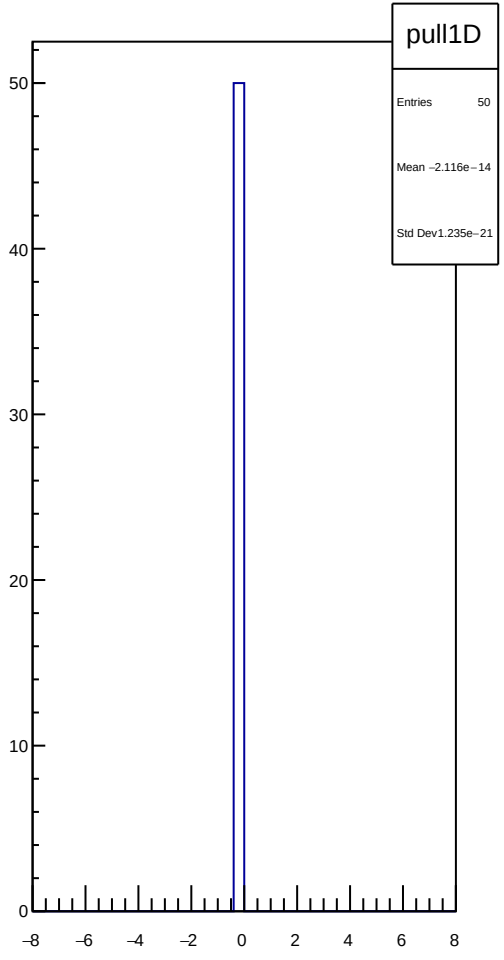

pull1D
Entries 50
Mean −2.03e−17
Std Dev 8.774e−25
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

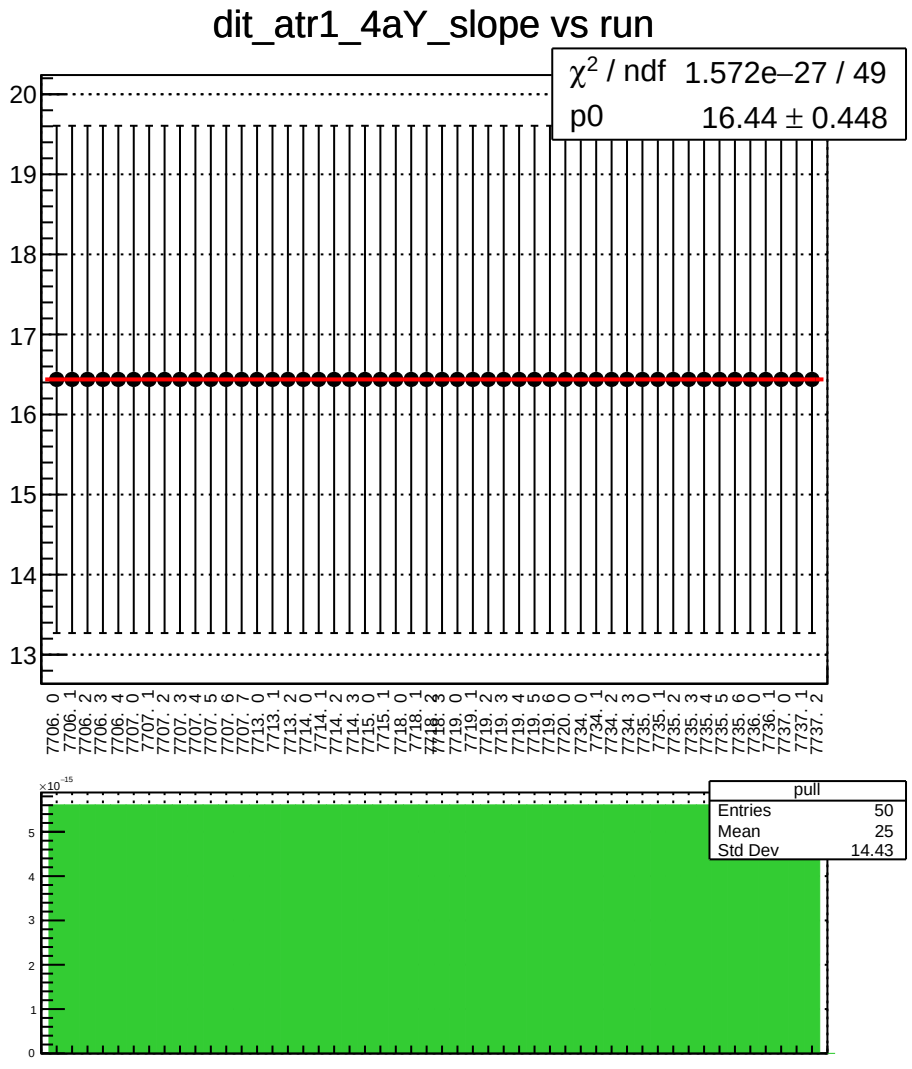

dit_atl2_4eY_slope vs run
χ² / ndf 8.84e−28 / 49
p0 111.3 ± 2.39
130
125
120
115
110
105
100
95
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 4.205e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

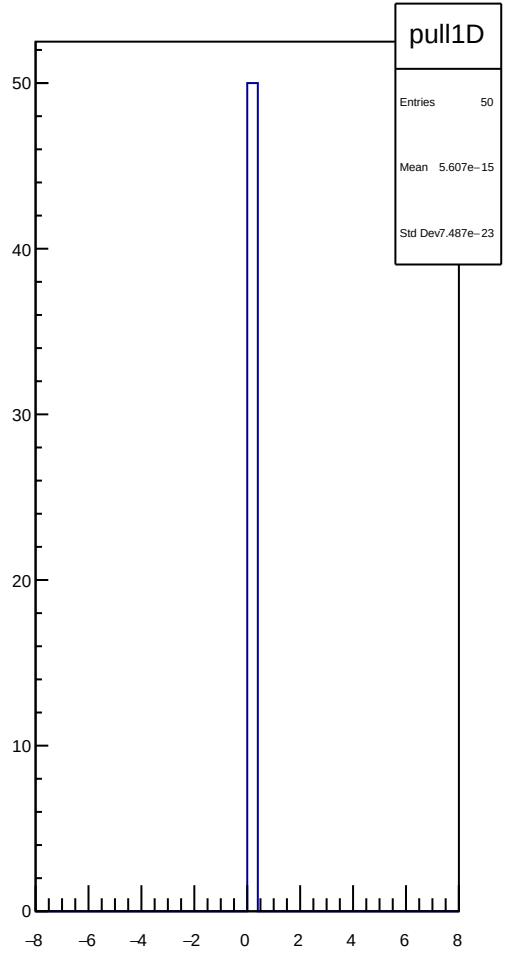

dit_atr1_4aX_slope vs run
χ² / ndf 3e−27 / 49
p0 −179.1 ± 4.151
−150
−160
−170
−180
−190
−200
−210
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −7.746e−15
Std Dev 4.101e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

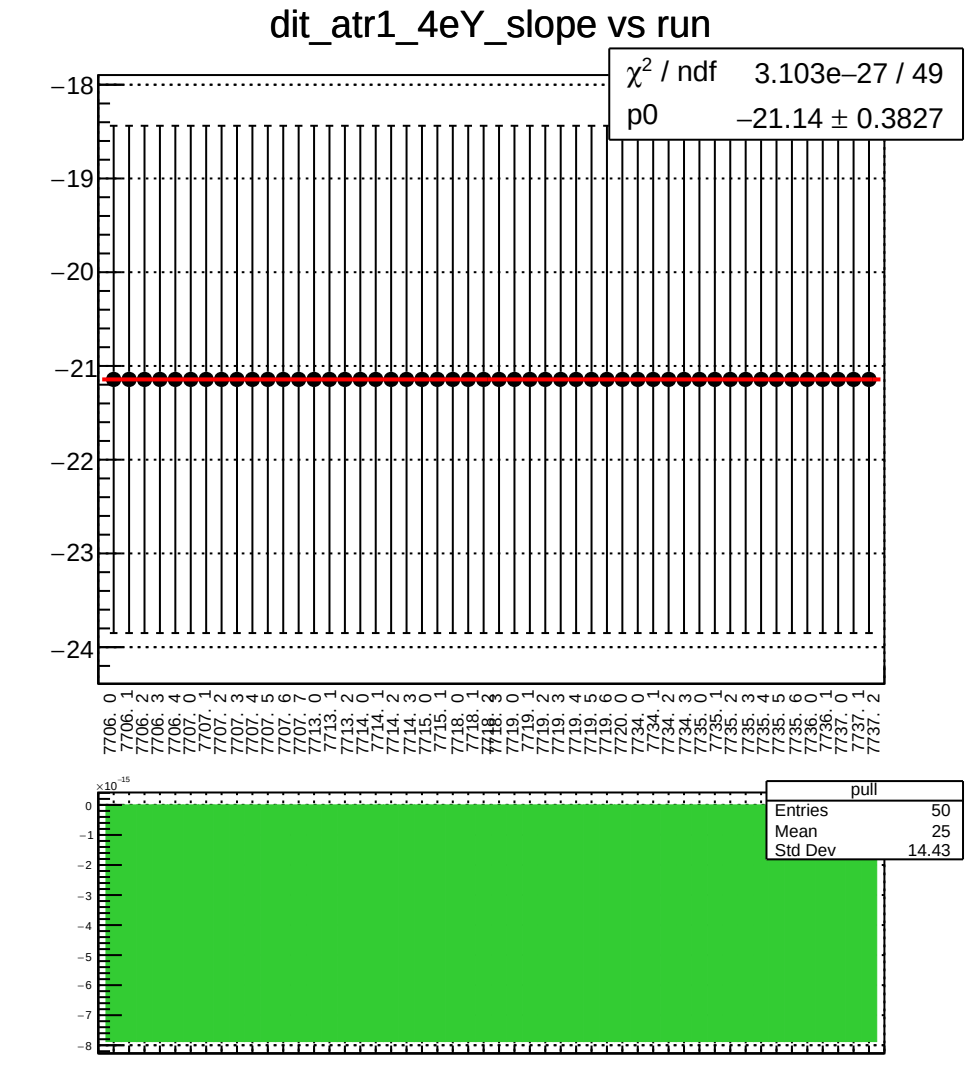

dit_atr1_4eX_slope vs run
χ² / ndf 7.486e−28 / 49
p0 109.9 ± 6.233
160
140
120
100
80
60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 3.869e−15
Std Dev 9.169e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

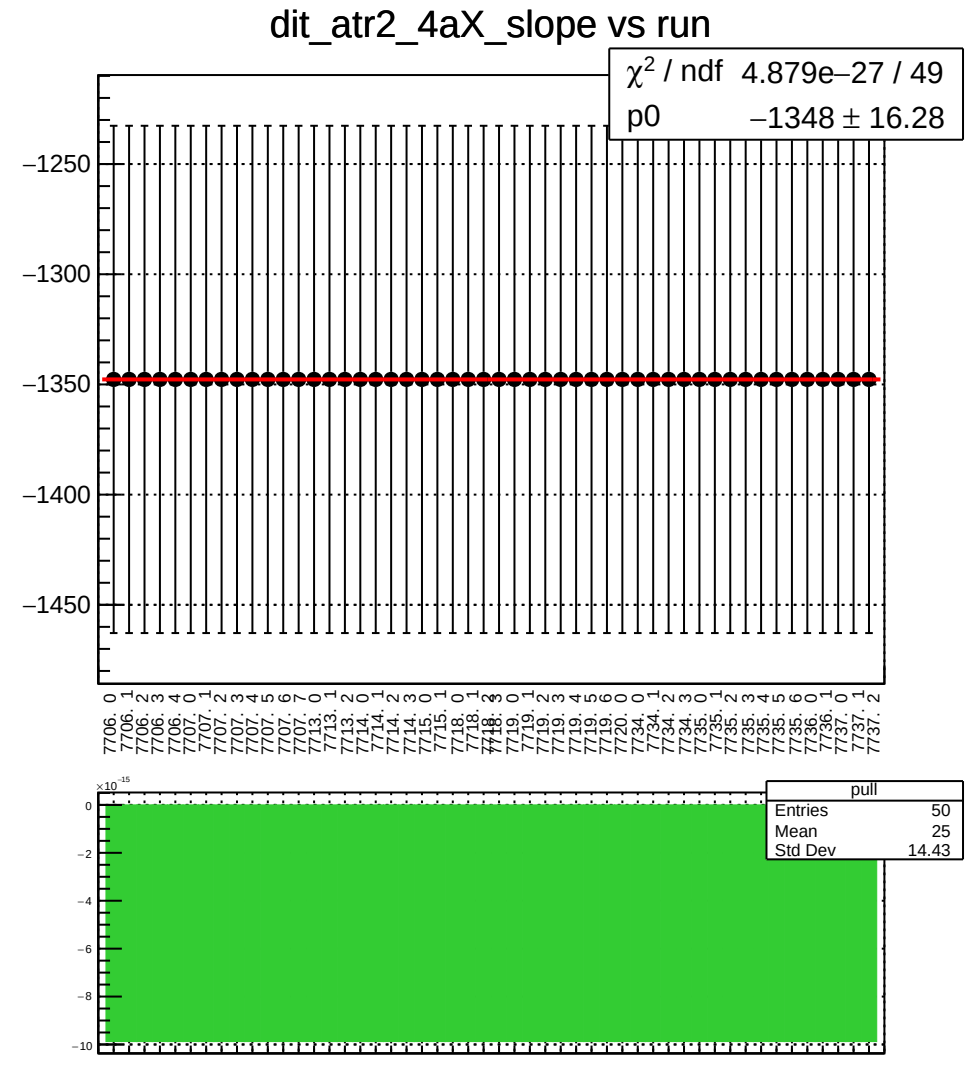

dit_atr1_11X12X_slope vs run
χ² / ndf 2.238e−26 / 49
p0 −34.57 ± 0.38
−32
−33
−34
−35
−36
−37
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�¹⁵
0
−5
−10
−15
−20
pull
Entries 50
Mean 25
Std Dev 14.43

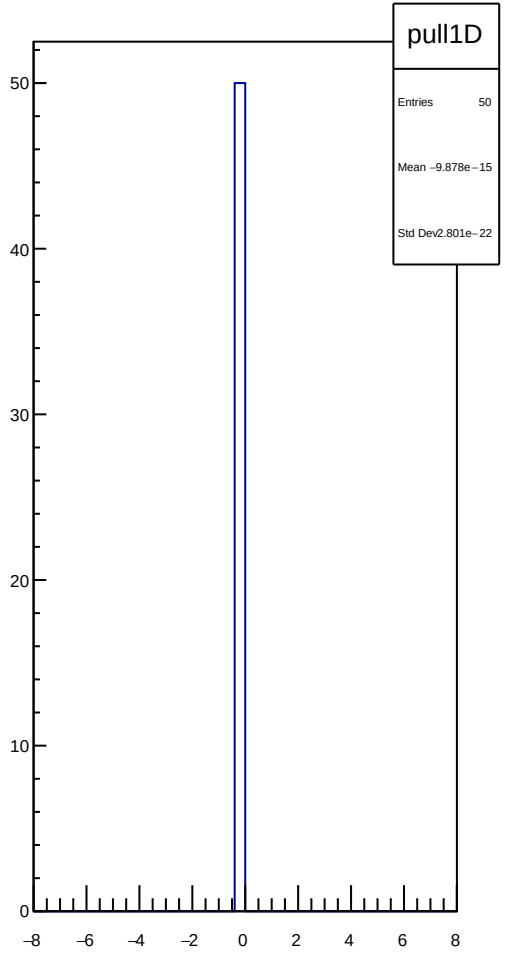

pull1D
Entries 50
Mean −2.116e−14
Std Dev1.235e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

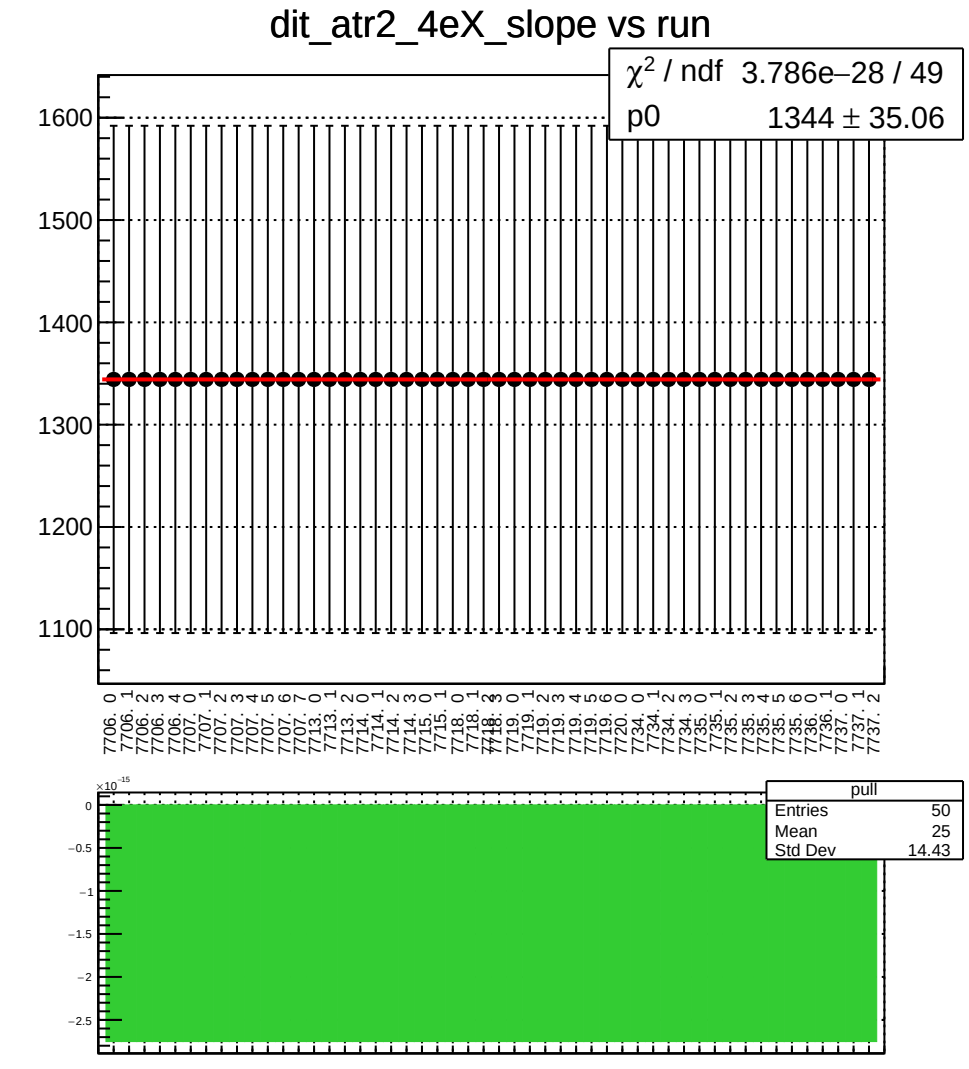

dit_atr1_4aY_slope vs run
χ² / ndf 1.572e−27 / 49
p0 16.44 ± 0.448
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵

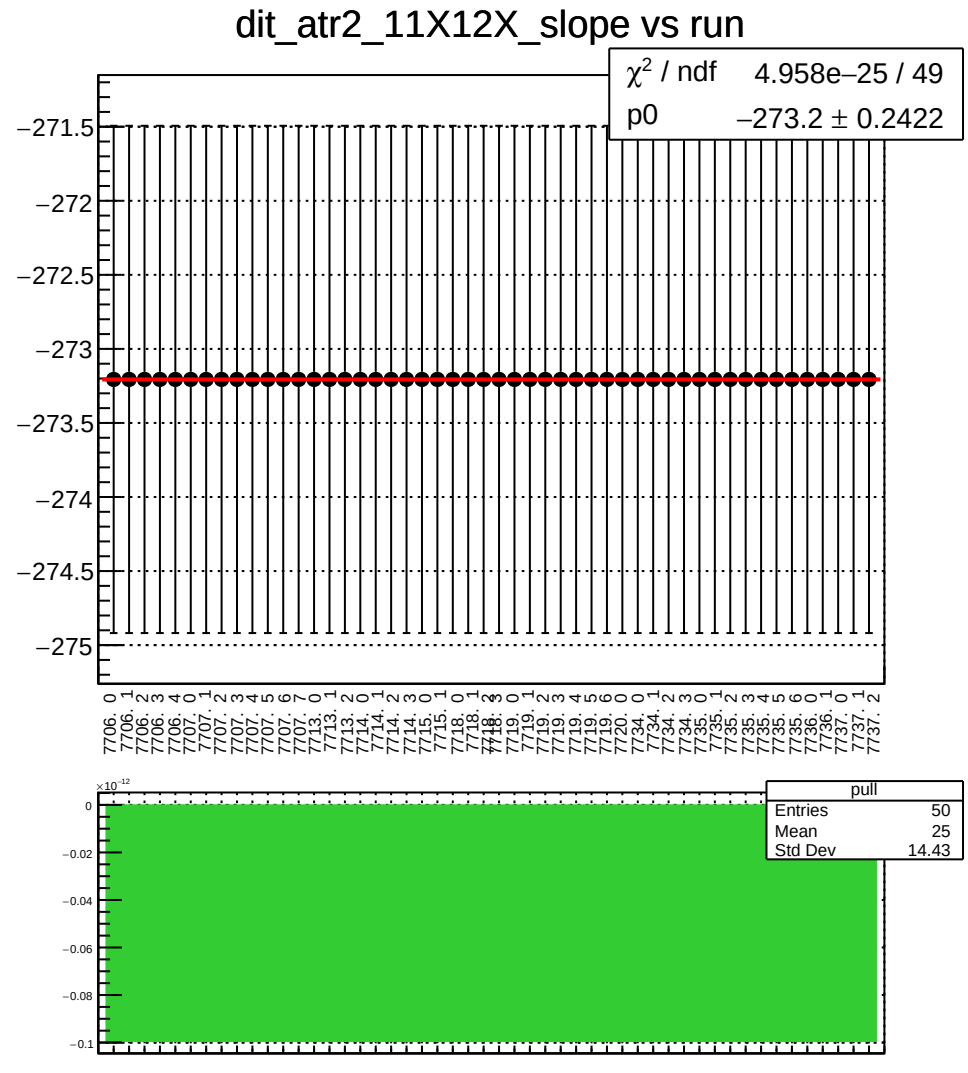

pull1D
Entries 50
Mean 5.607e−15
Std Dev7.487e−23

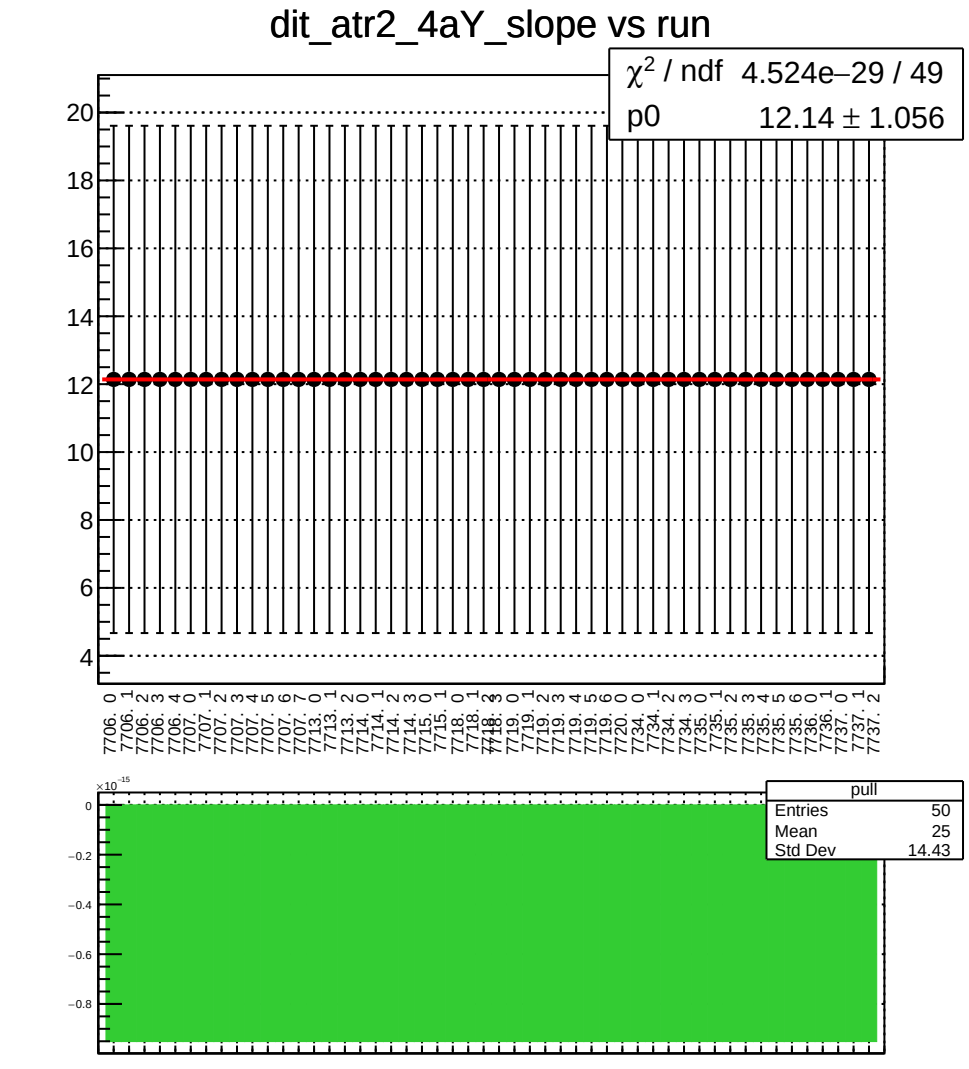

dit_atr1_4eY_slope vs run
χ² / ndf 3.103e−27 / 49
p0 −21.14 ± 0.3827
−18
−19
−20
−21
−22
−23
−24
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −7.878e−15
Std Dev3.348e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

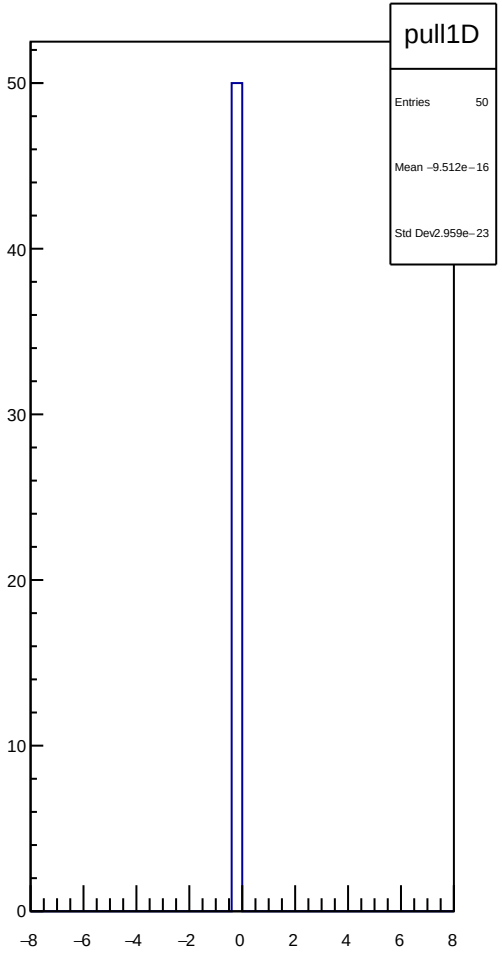

dit_atr2_4aX_slope vs run
χ² / ndf 4.879e−27 / 49
p0 −1348 ± 16.28
−1250
−1300
−1350
−1400
−1450
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−2
−4
−6
−8
−10
pull
Entries 50
Mean 25
Std Dev 14.43

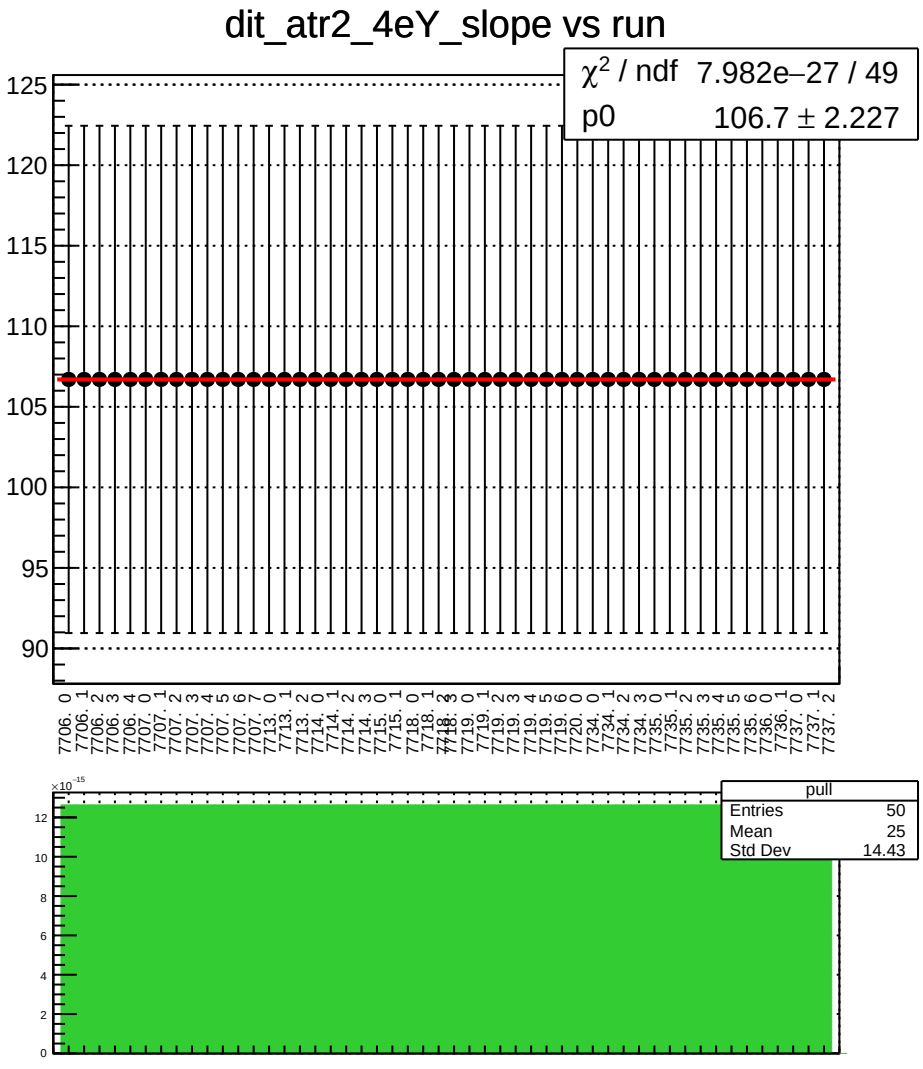

pull1D
Entries 50
Mean −9.878e−15
Std Dev 2.801e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

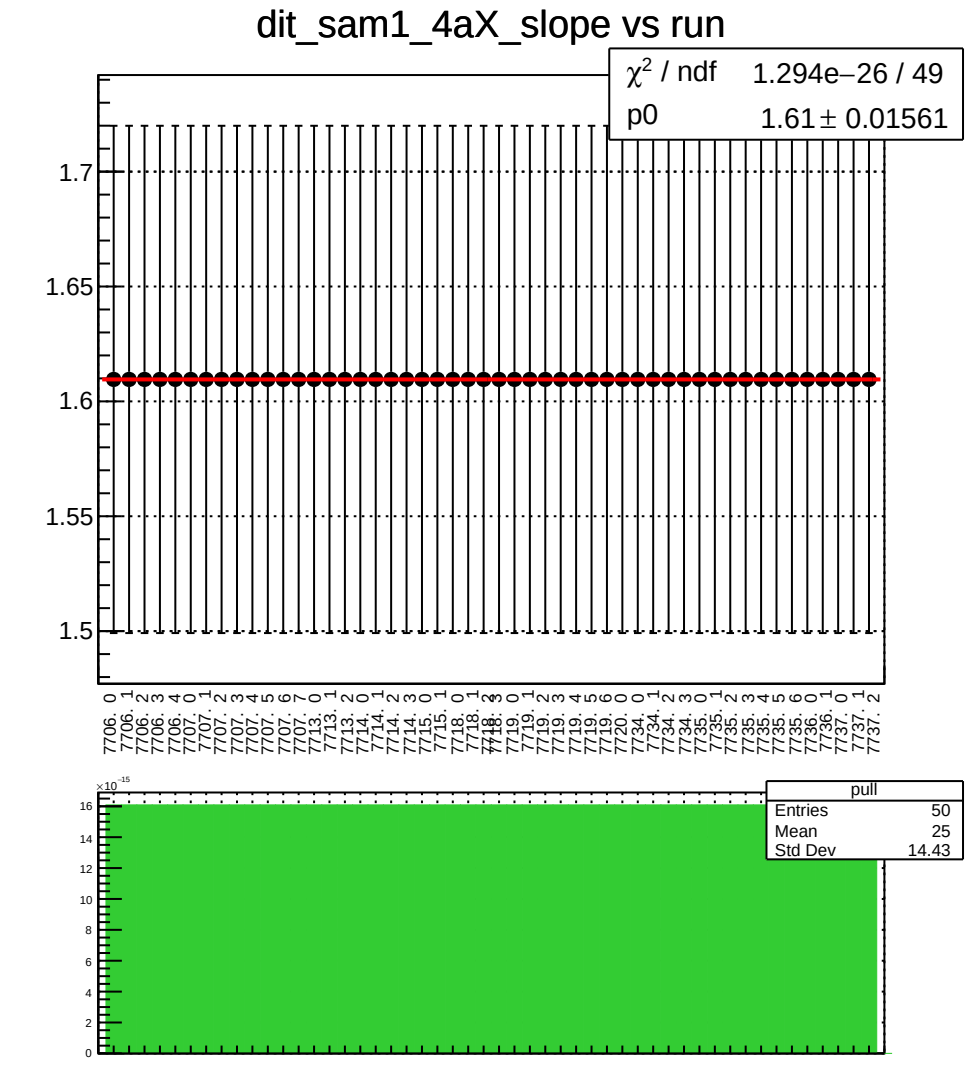

dit_atr2_4eX_slope vs run
χ² / ndf 3.786e−28 / 49
p0 1344 ± 35.06
1600
1500
1400
1300
1200
1100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −2.752e−15
Std Dev1.123e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

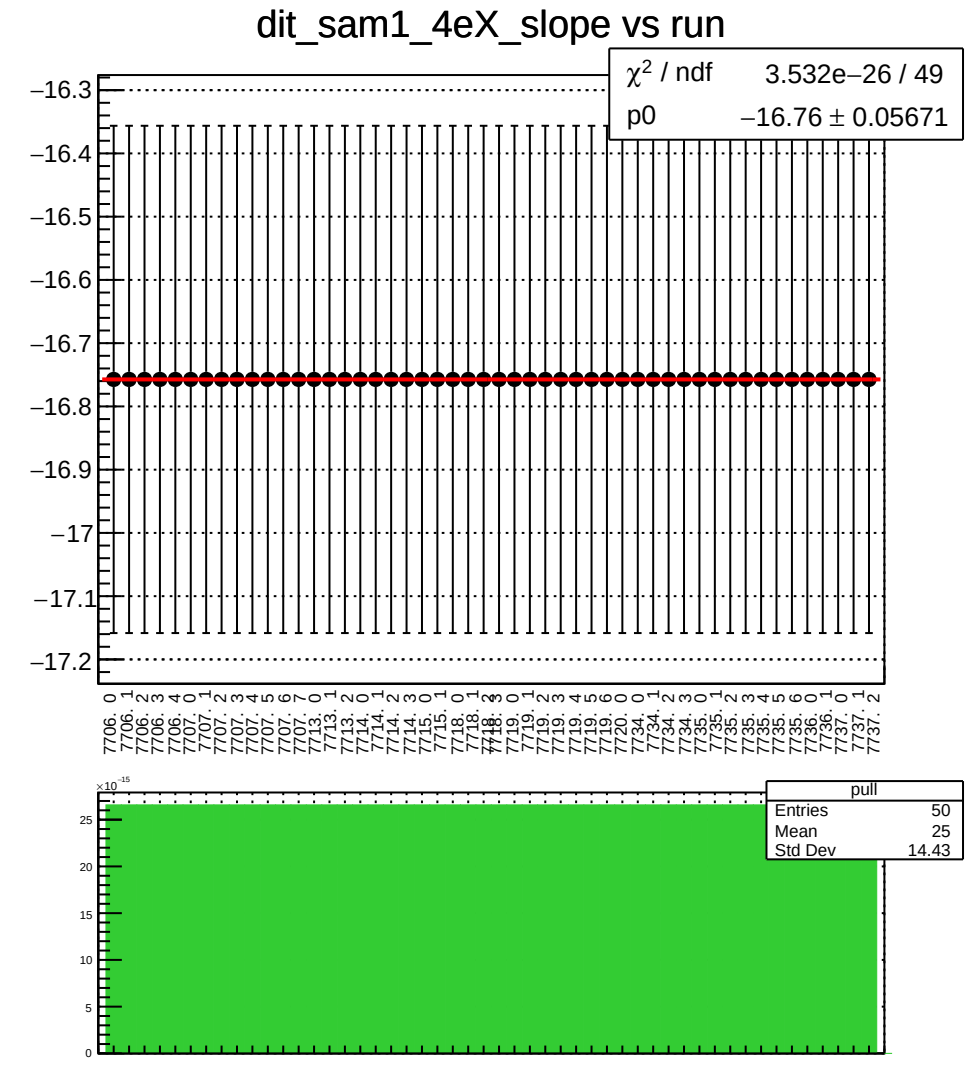

dit_atr2_11X12X_slope vs run
χ² / ndf 4.958e−25 / 49
p0 −273.2 ± 0.2422
−271.5
−272
−272.5
−273
−273.5
−274
−274.5
−275
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −9.958e−14
Std Dev1.198e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

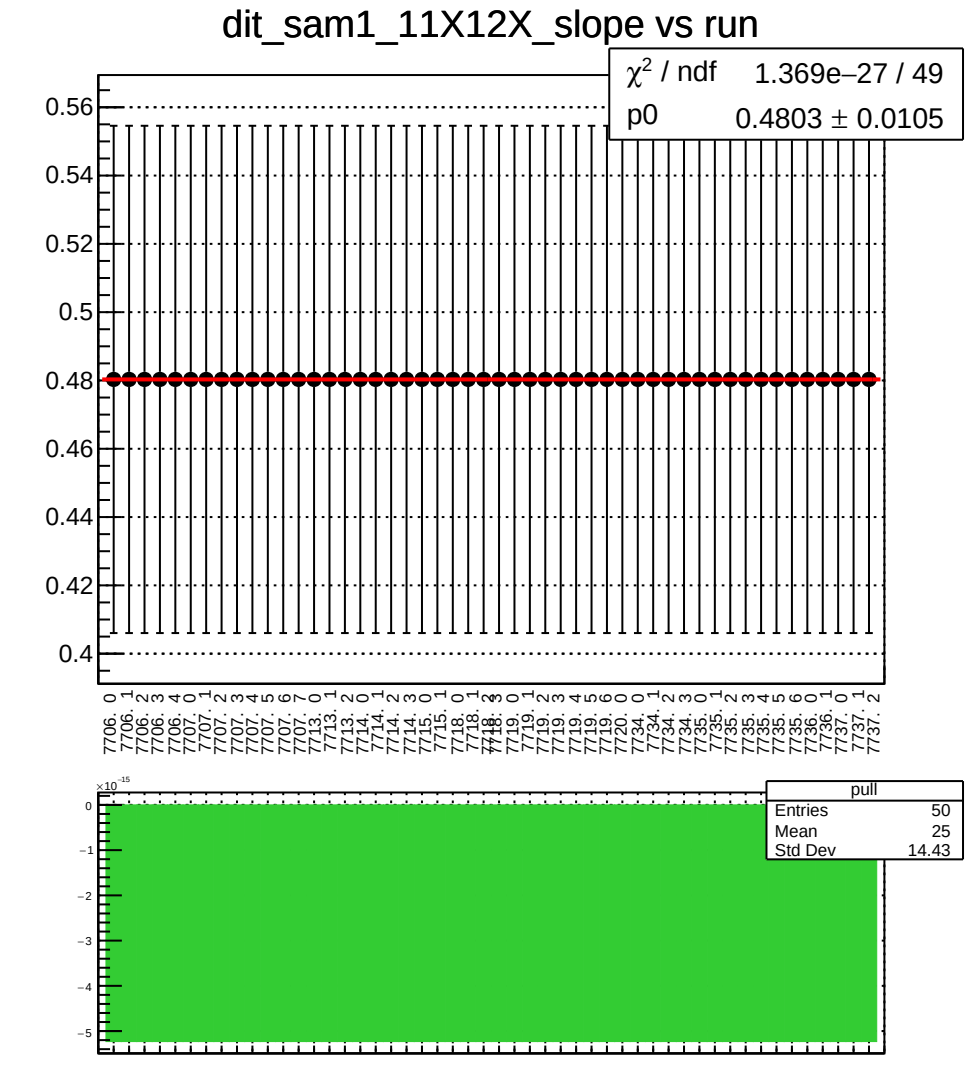

dit_atr2_4aY_slope vs run
χ² / ndf 4.524e−29 / 49
p0 12.14 ± 1.056
pull
Entries 50
Mean 25
Std Dev 14.43

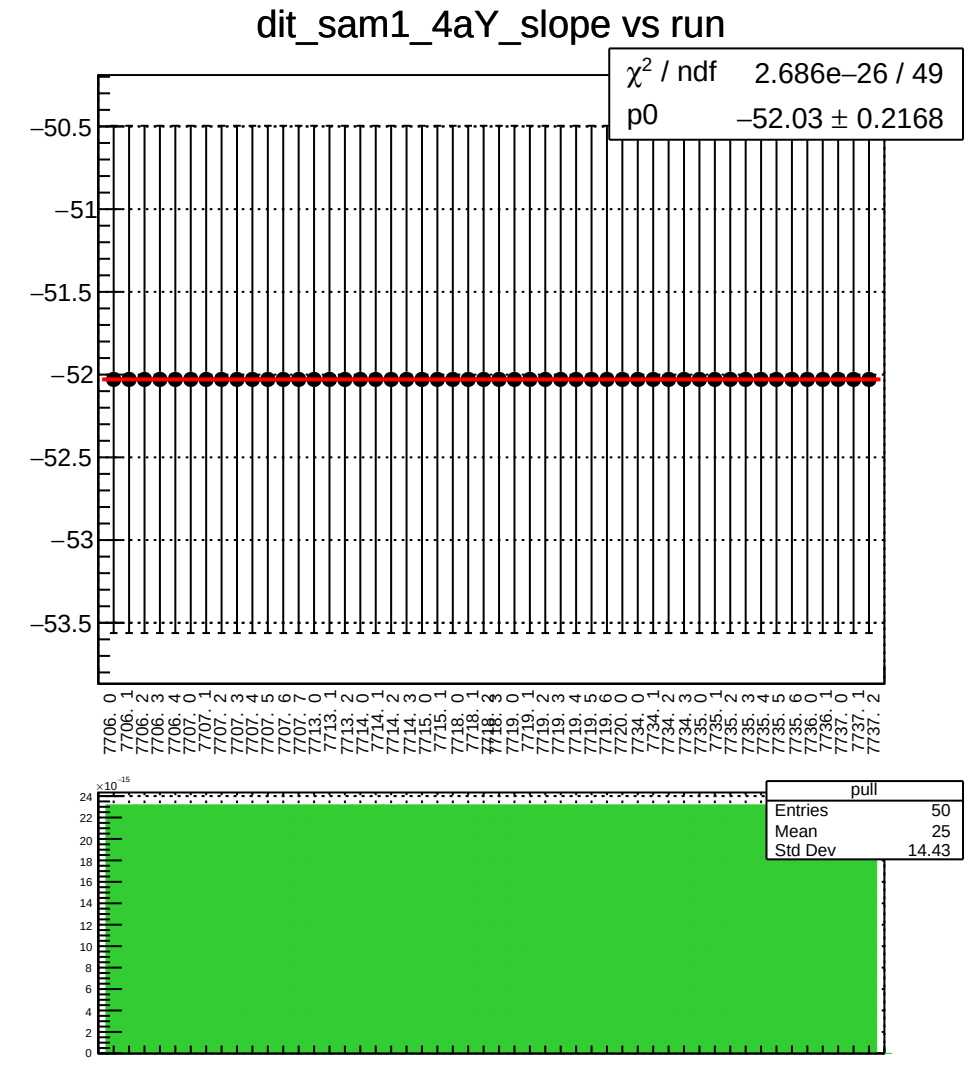

pull1D
Entries 50
Mean −9.512e−16
Std Dev 2.959e−23

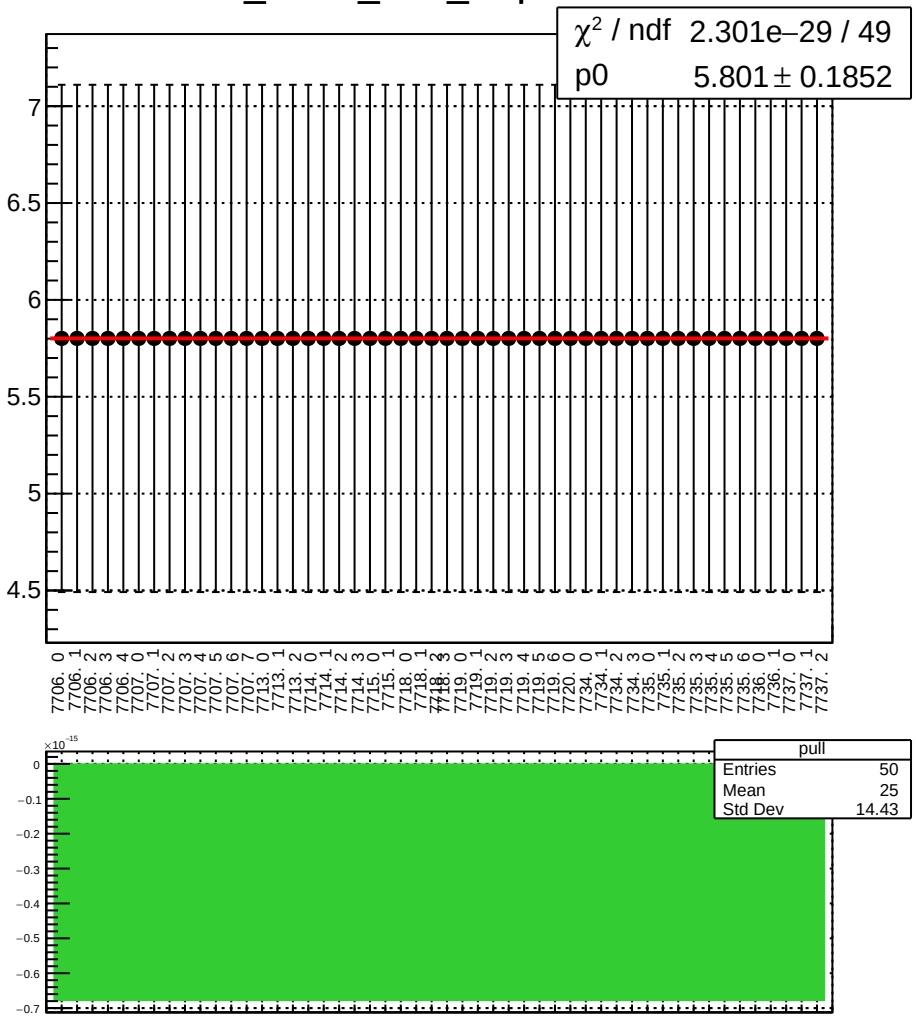

dit_atr2_4eY_slope vs run
χ² / ndf 7.982e−27 / 49
p0 106.7 ± 2.227
125
120
115
110
105
100
95
90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
12
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 1.264e−14
Std Dev3.348e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

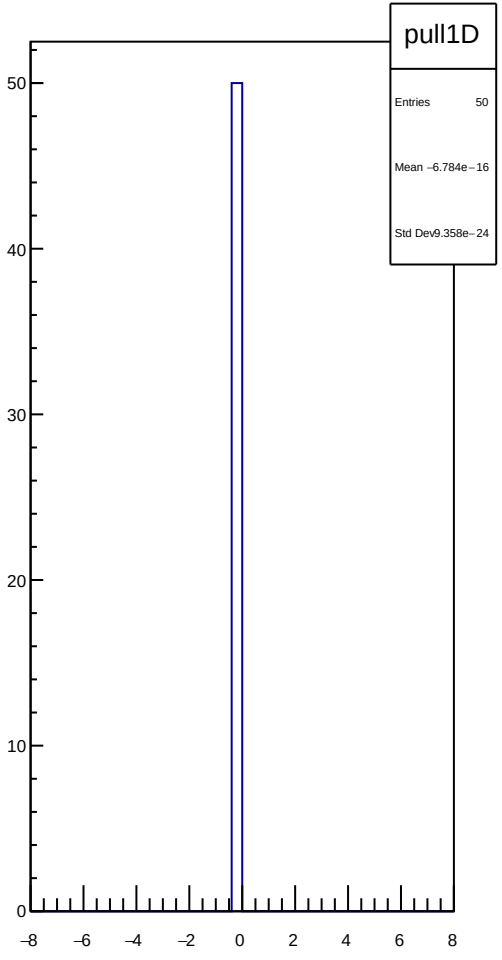

dit_sam1_4aX_slope vs run
χ² / ndf 1.294e−26 / 49
p0 1.61 ± 0.01561
1.7
1.65
1.6
1.55
1.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 1.609e−14
Std Dev 6.696e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

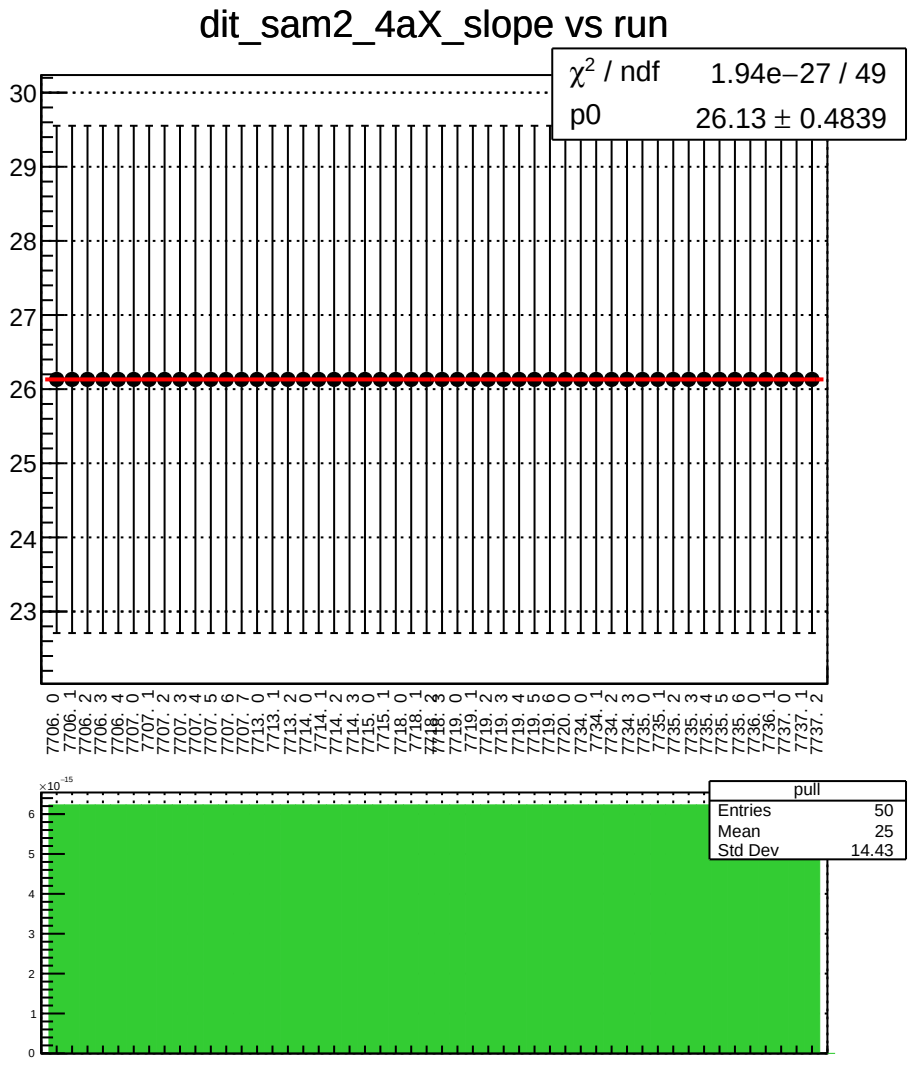

dit_sam1_4eX_slope vs run
χ² / ndf 3.532e−26 / 49
p0 −16.76 ± 0.05671
−16.3
−16.4
−16.5
−16.6
−16.7
−16.8
−16.9
−17
−17.1
−17.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 2.658e−14
Std Dev 5.187e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

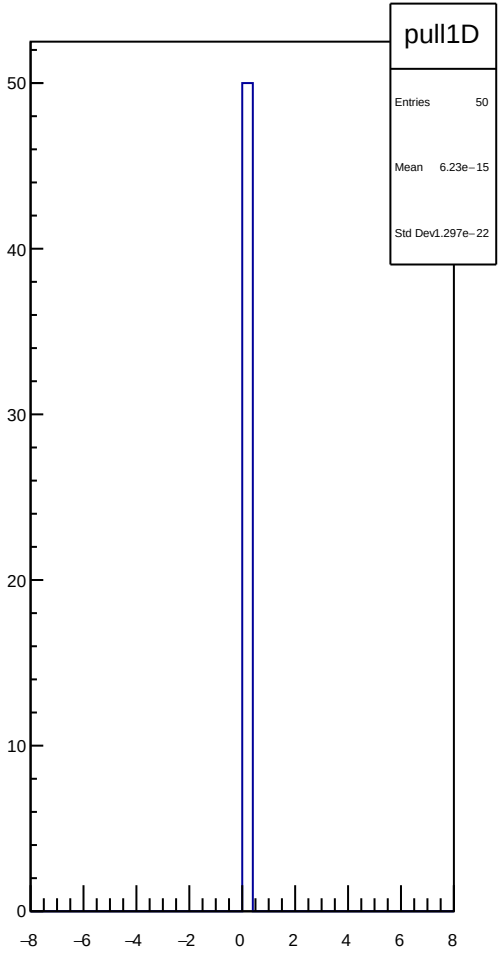

dit_sam1_11X12X_slope vs run
χ² / ndf 1.369e−27 / 49
p0 0.4803 ± 0.0105
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−1
−2
−3
−4
−5
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −5.232e−15
Std Dev 2.593e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

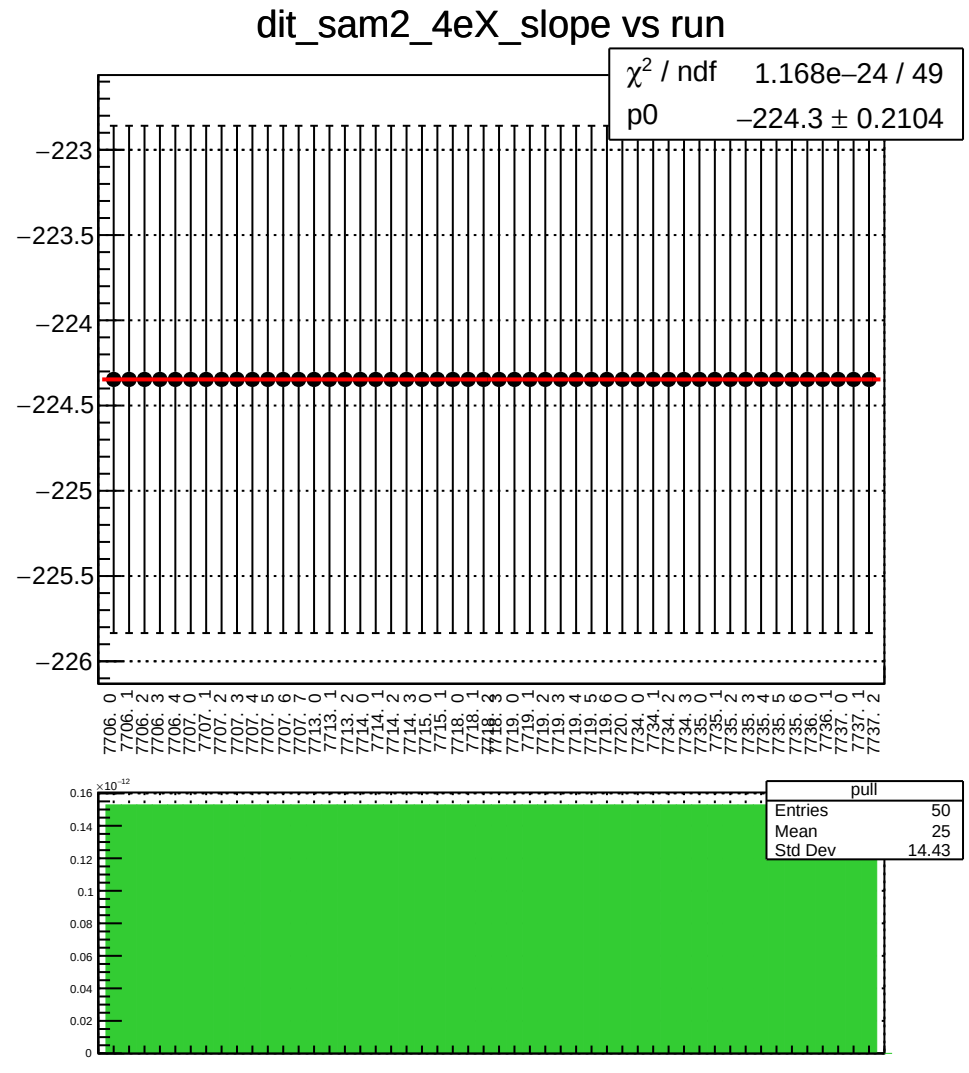

dit_sam1_4aY_slope vs run
χ² / ndf 2.686e−26 / 49
p0 −52.03 ± 0.2168
−50.5
−51
−51.5
−52
−52.5
−53
−53.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 2.318e−14
Std Dev7.923e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

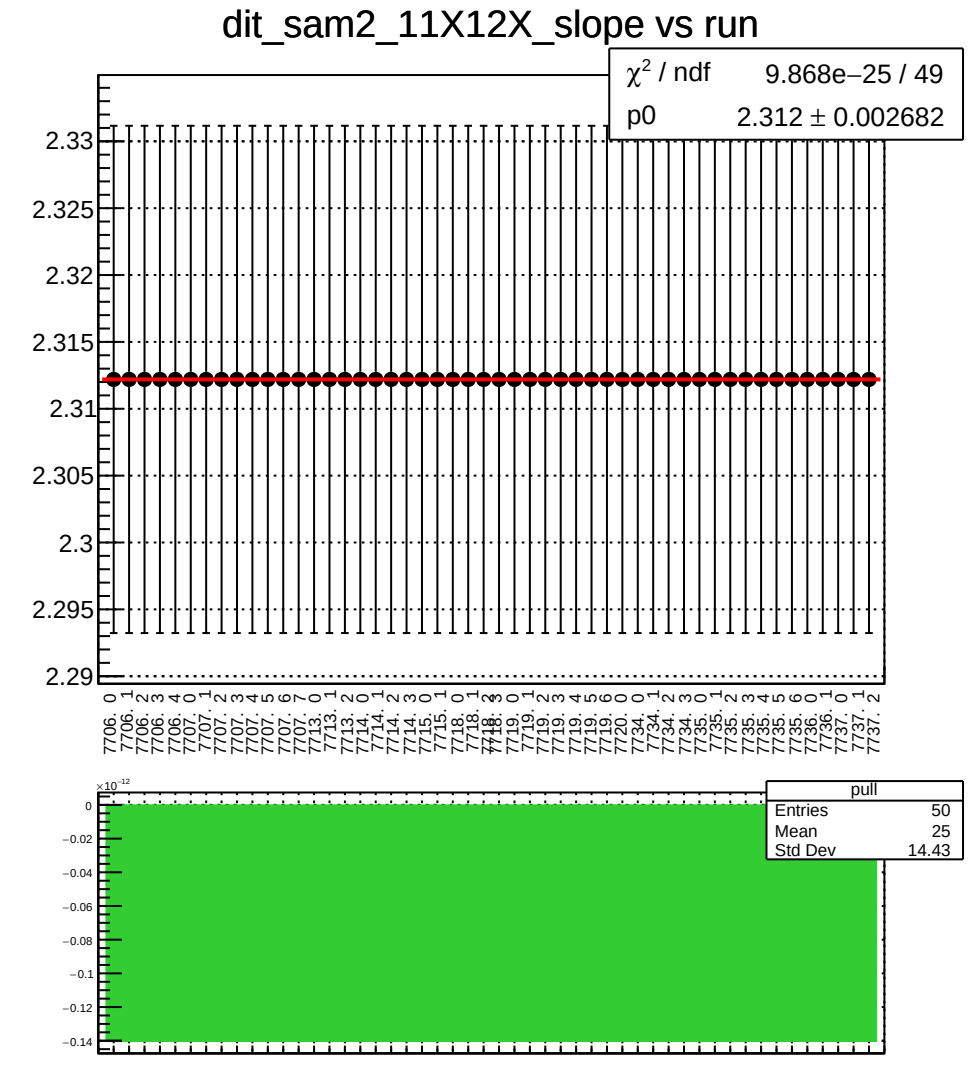

dit_sam1_4eY_slope vs run
χ² / ndf 2.301e−29 / 49
p0 5.801 ± 0.1852
pull
Entries 50
Mean 25
Std Dev 14.43

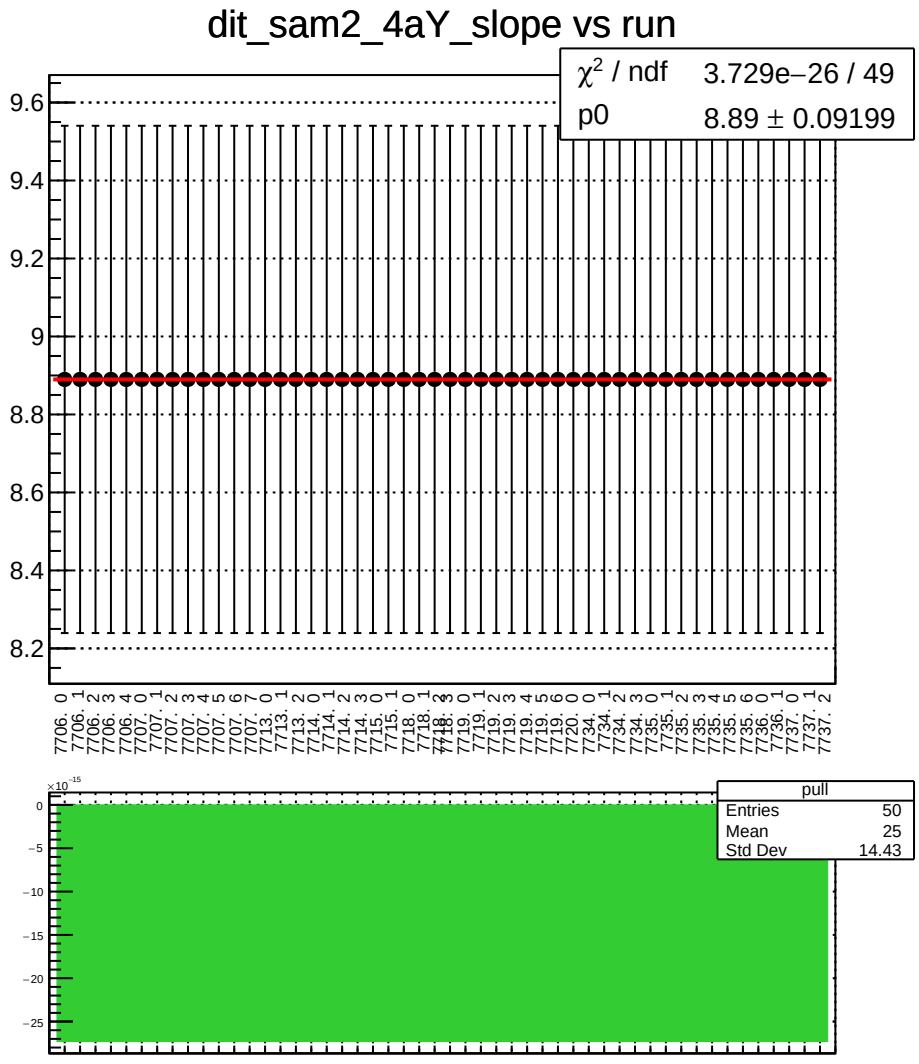

pull1D
Entries 50
Mean −6.784e−16
Std Dev 9.358e−24

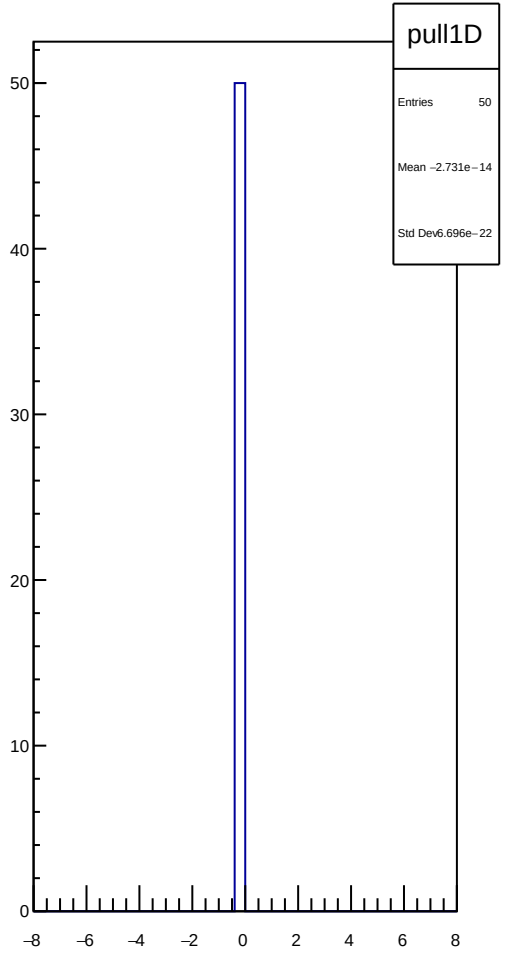

dit_sam2_4aX_slope vs run
χ² / ndf 1.94e−27 / 49
p0 26.13 ± 0.4839
pull
Entries 50
Mean 25
Std Dev 14.43

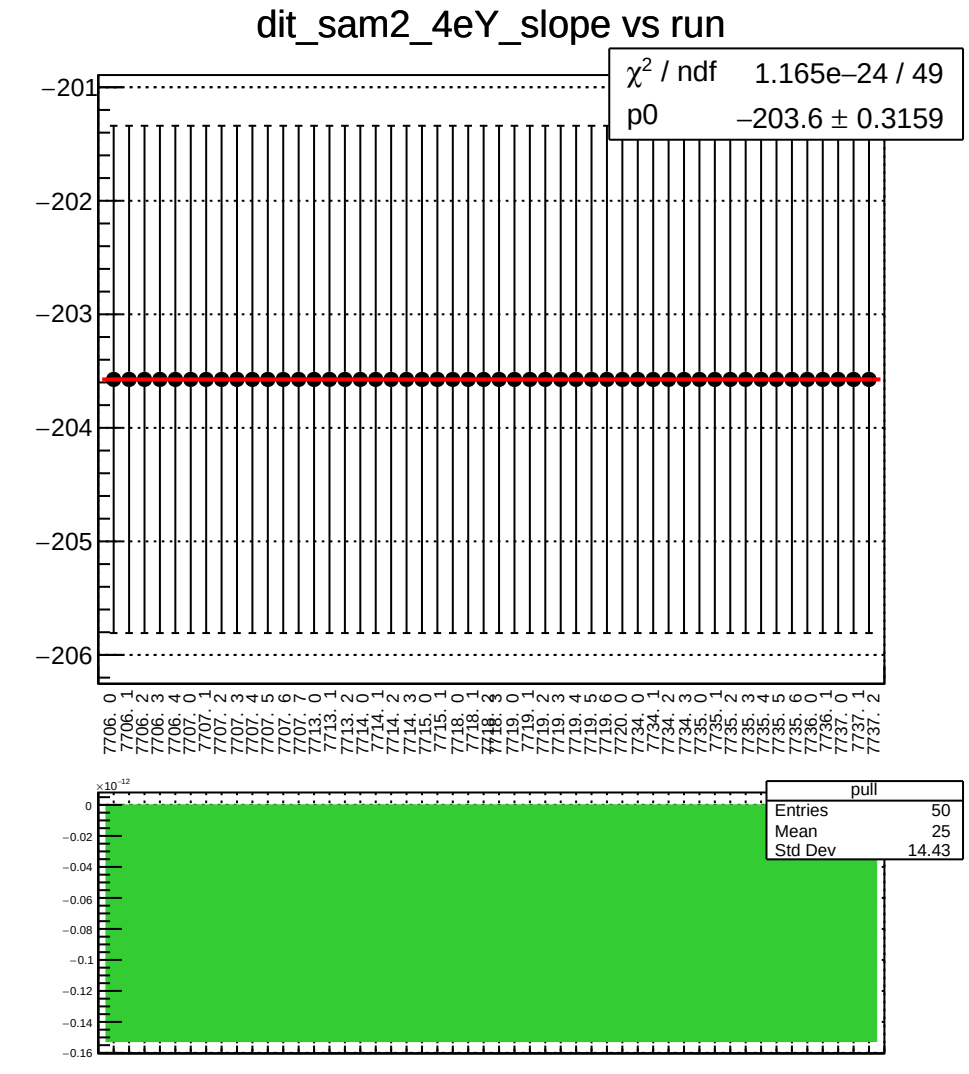

pull1D
Entries 50
Mean 6.23e−15
Std Dev1.297e−22

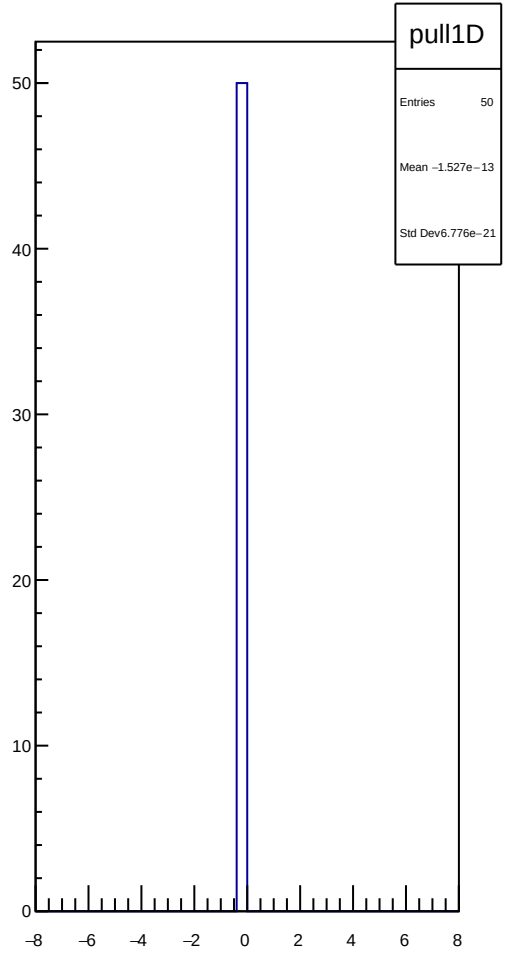

dit_sam2_4eX_slope vs run
χ² / ndf 1.168e−24 / 49
p0 −224.3 ± 0.2104
−223
−223.5
−224
−224.5
−225
−225.5
−226
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 1.528e−13
Std Dev7.576e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

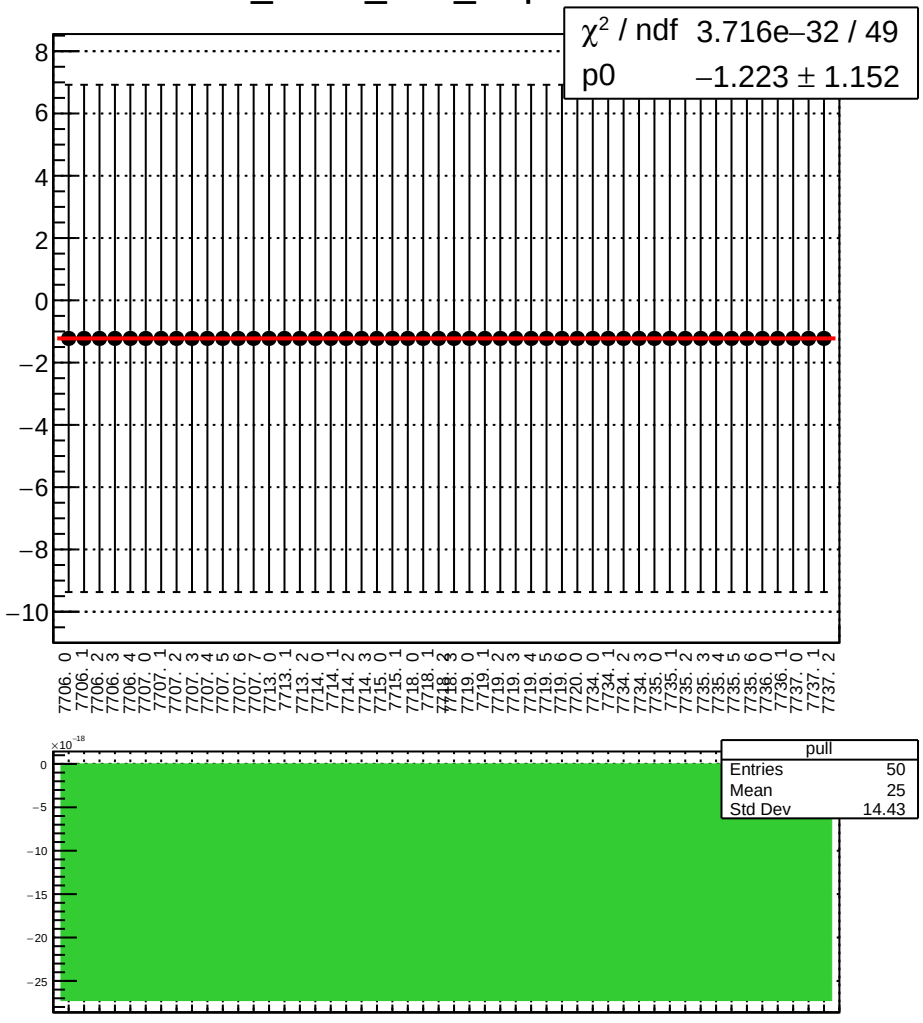

dit_sam2_11X12X_slope vs run
χ² / ndf 9.868e−25 / 49
p0 2.312 ± 0.002682
2.33
2.325
2.32
2.315
2.31
2.305
2.3
2.295
2.29
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −1.405e−13
Std Dev7.384e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

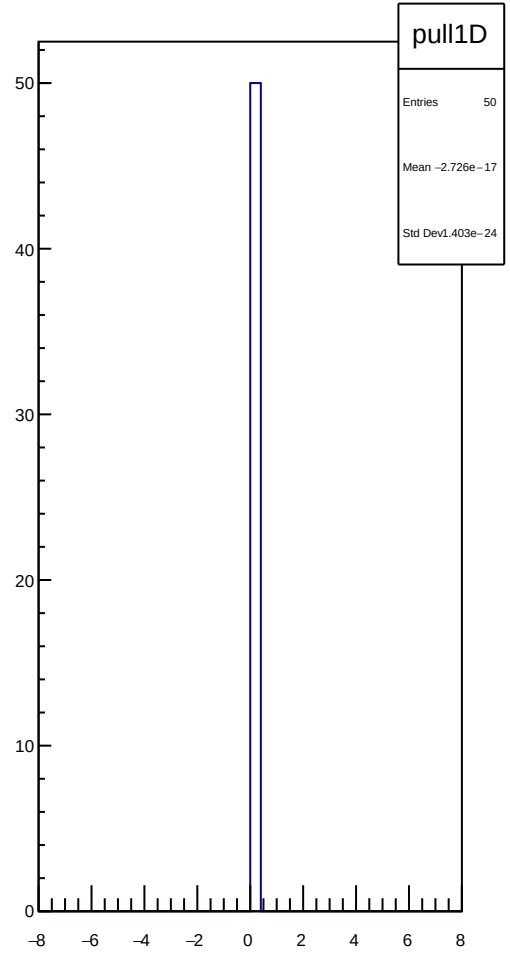

dit_sam2_4aY_slope vs run
χ² / ndf 3.729e−26 / 49
p0 8.89 ± 0.09199
9.6
9.4
9.2
9
8.8
8.6
8.4
8.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−5
−10
−15
−20
−25
pull
Entries 50
Mean 25
Std Dev 14.43

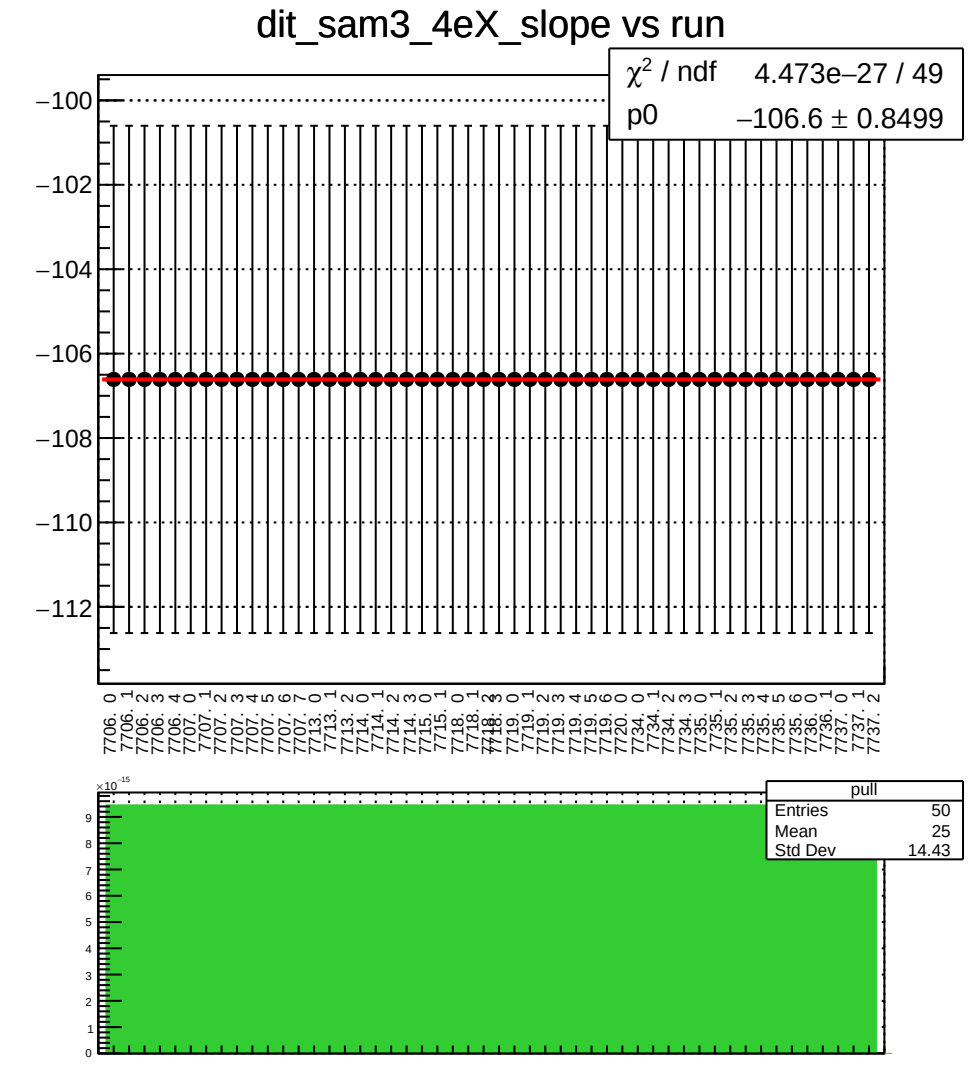

pull1D
Entries 50
Mean −2.731e−14
Std Dev 6.696e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

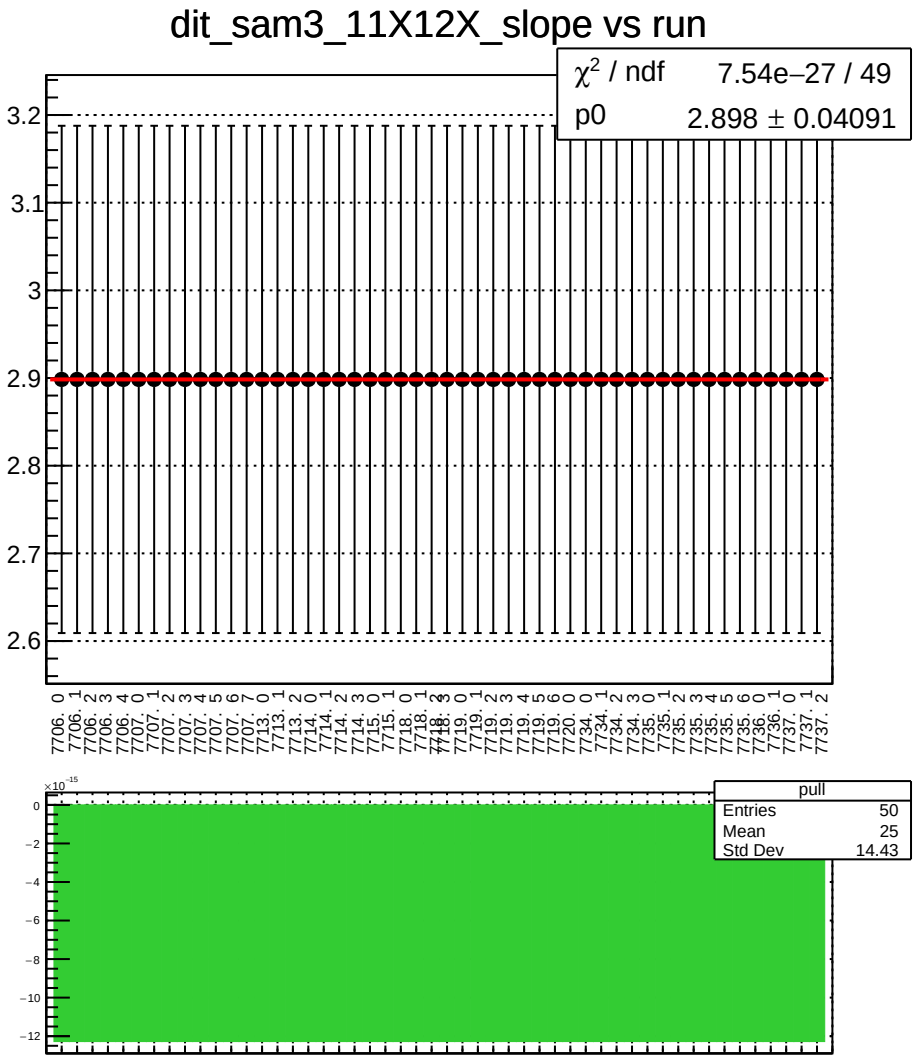

dit_sam2_4eY_slope vs run
χ² / ndf 1.165e−24 / 49
p0 −203.6 ± 0.3159
−201
−202
−203
−204
−205
−206
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 50
Mean 25
Std Dev 14.43

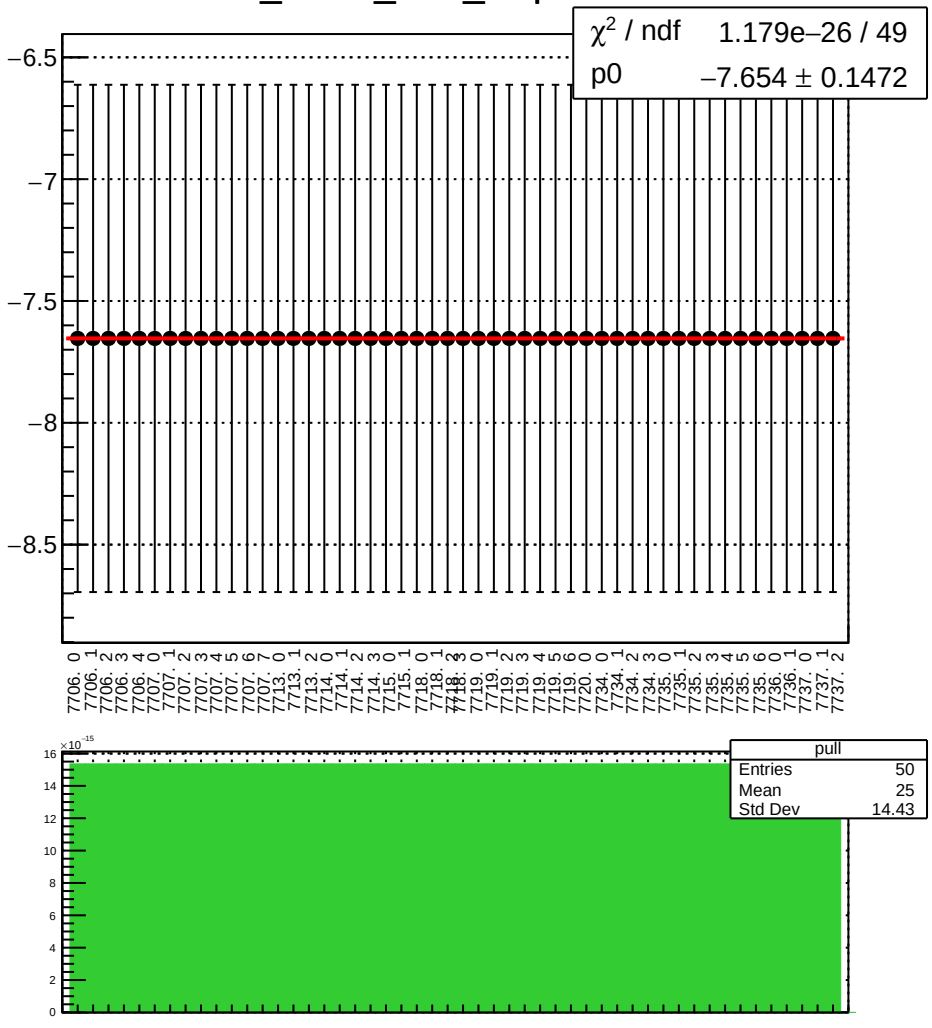

pull1D
Entries 50
Mean −1.527e−13
Std Dev6.776e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

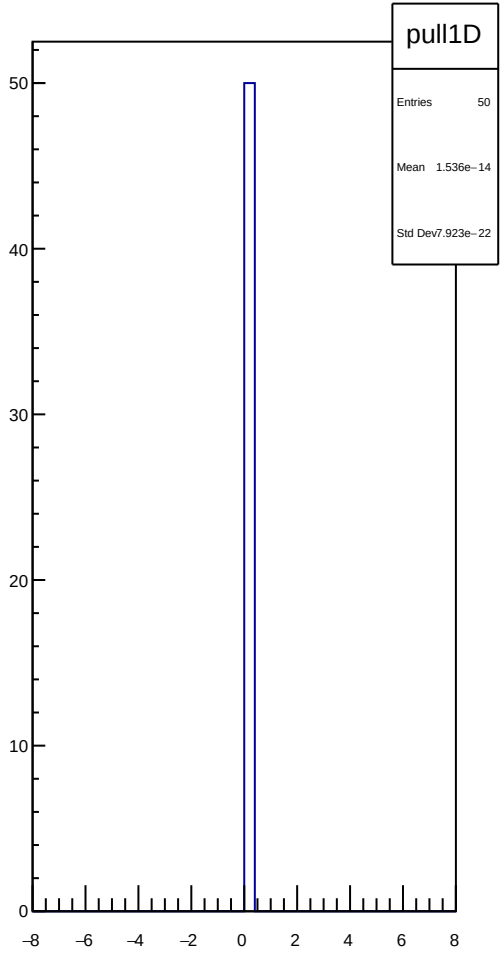

dit_sam3_4aX_slope vs run
χ² / ndf 3.716e−32 / 49
p0 −1.223 ± 1.152
pull
Entries 50
Mean 25
Std Dev 14.43

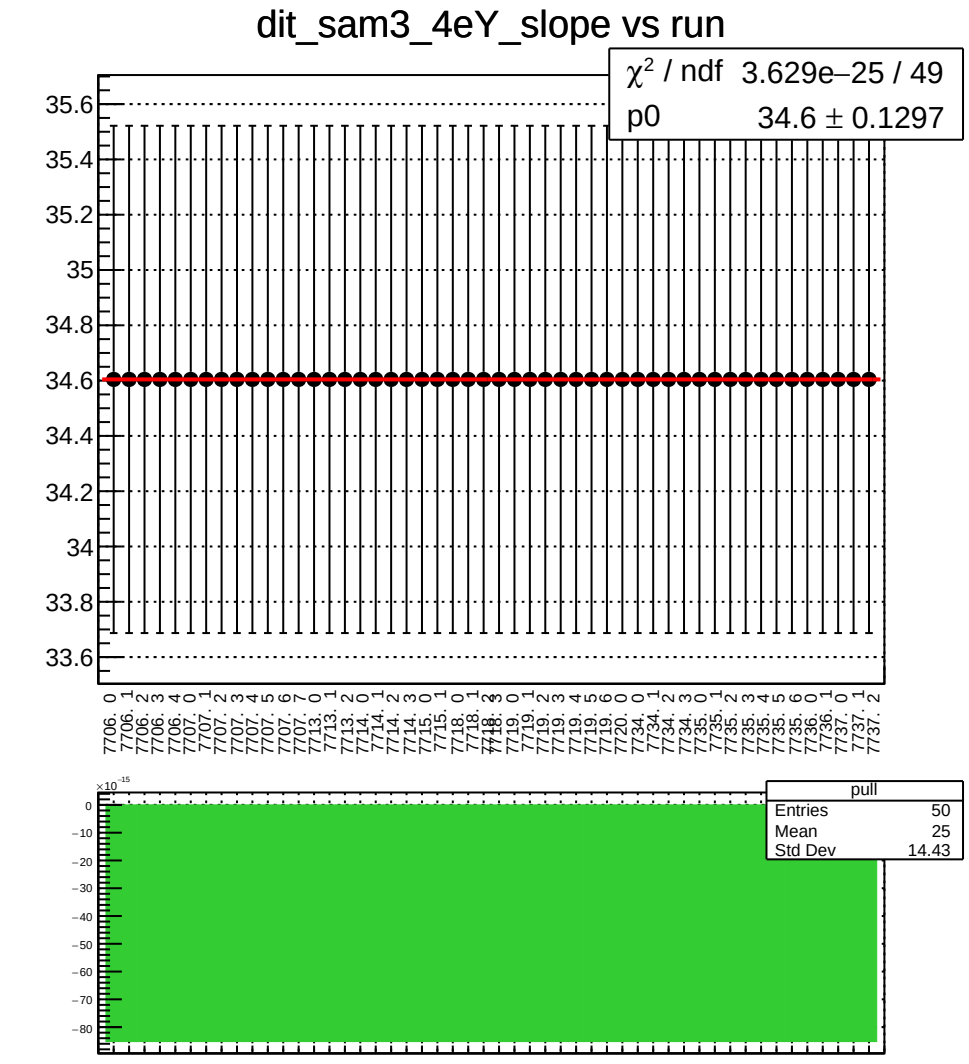

pull1D
Entries 50
Mean −2.726e−17
Std Dev1.403e−24

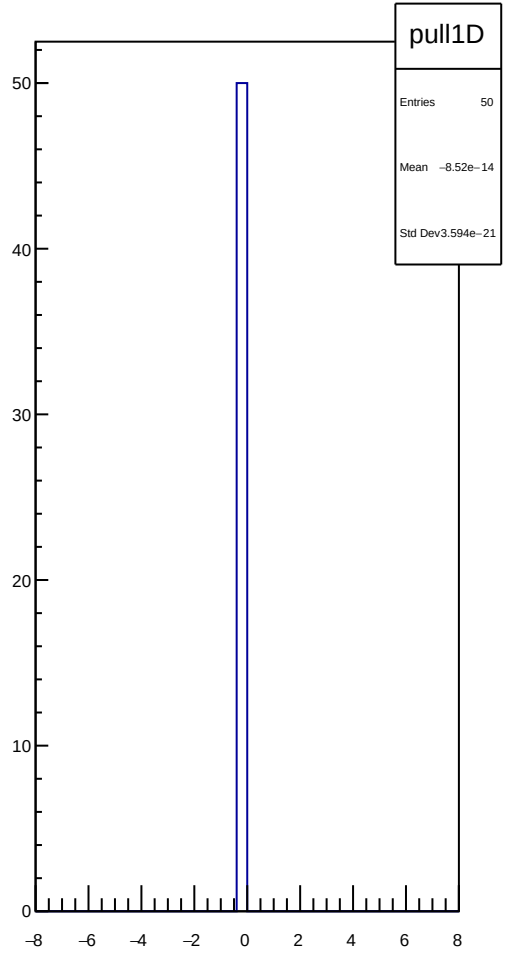

dit_sam3_4eX_slope vs run
χ² / ndf 4.473e−27 / 49
p0 −106.6 ± 0.8499
−100
−102
−104
−106
−108
−110
−112
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
9
8
7
6
5
4
3
2
1
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 9.458e−15
Std Dev 2.593e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

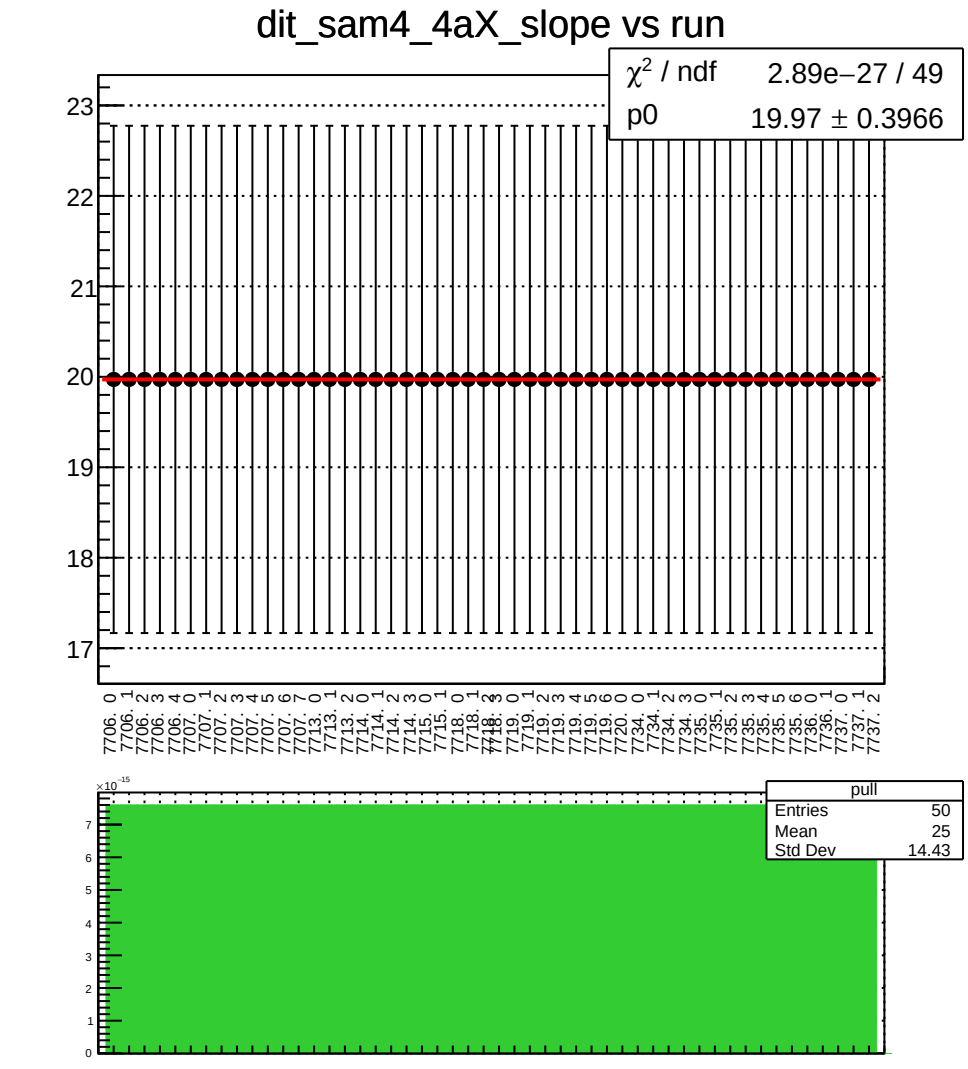

dit_sam3_11X12X_slope vs run
χ² / ndf 7.54e−27 / 49
p0 2.898 ± 0.04091
3.2
3.1
3
2.9
2.8
2.7
2.6
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻±⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −1.228e−14
Std Dev3.668e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

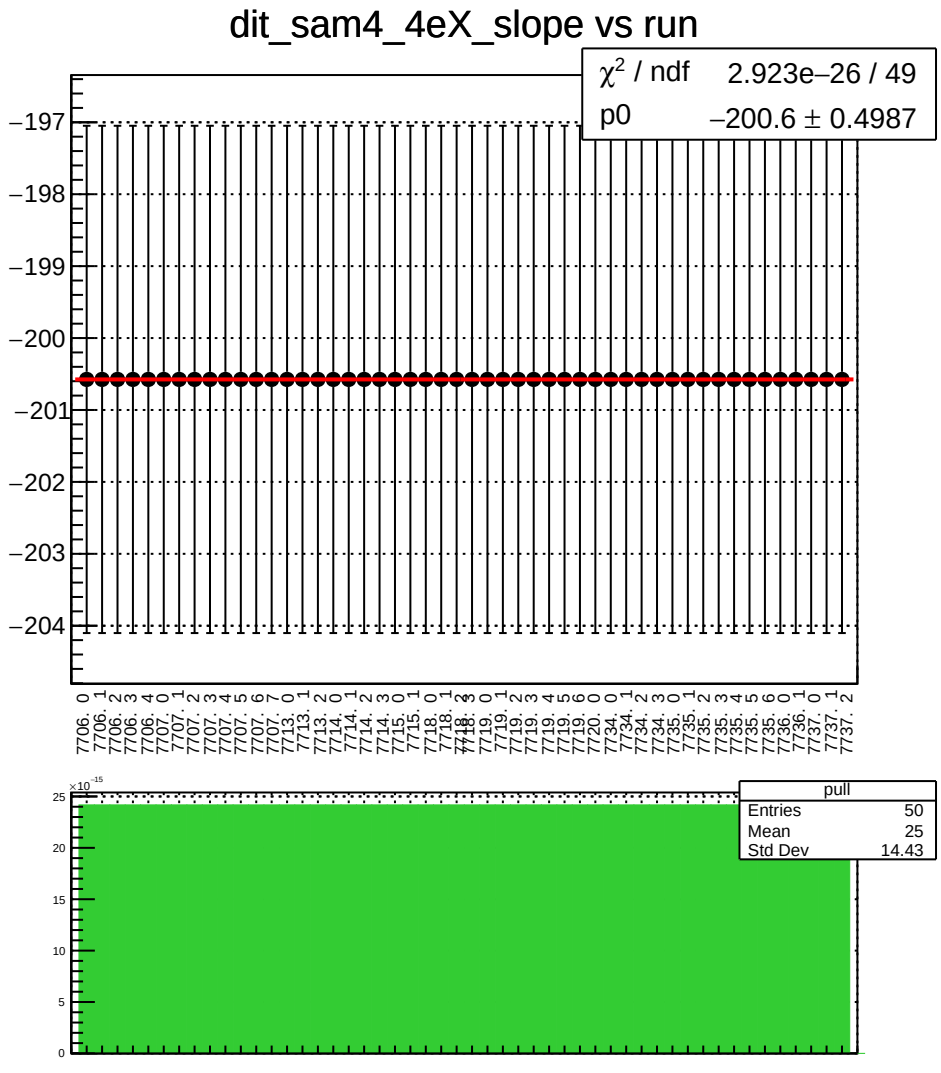

dit_sam3_4aY_slope vs run
χ² / ndf 1.179e−26 / 49
p0 −7.654 ± 0.1472
−6.5
−7
−7.5
−8
−8.5
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

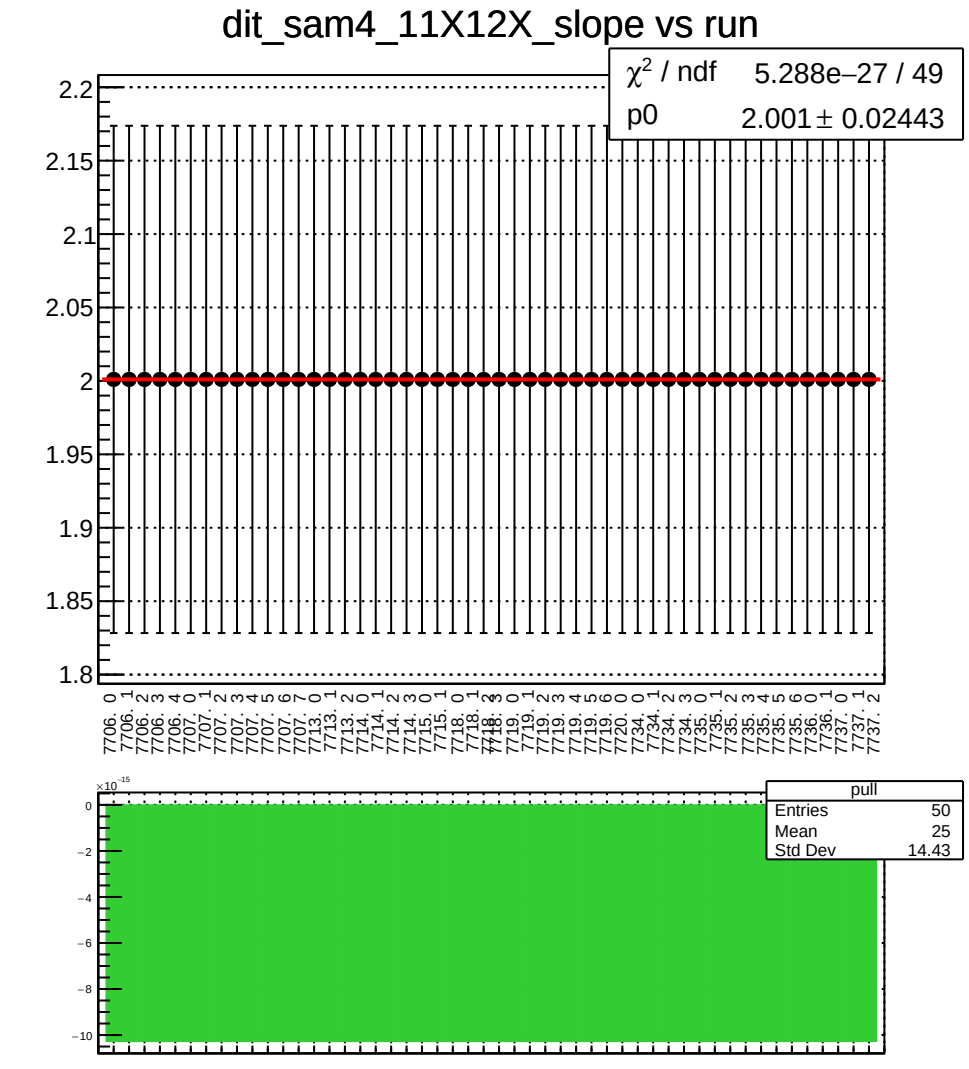

pull1D
Entries 50
Mean 1.536e−14
Std Dev7.923e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

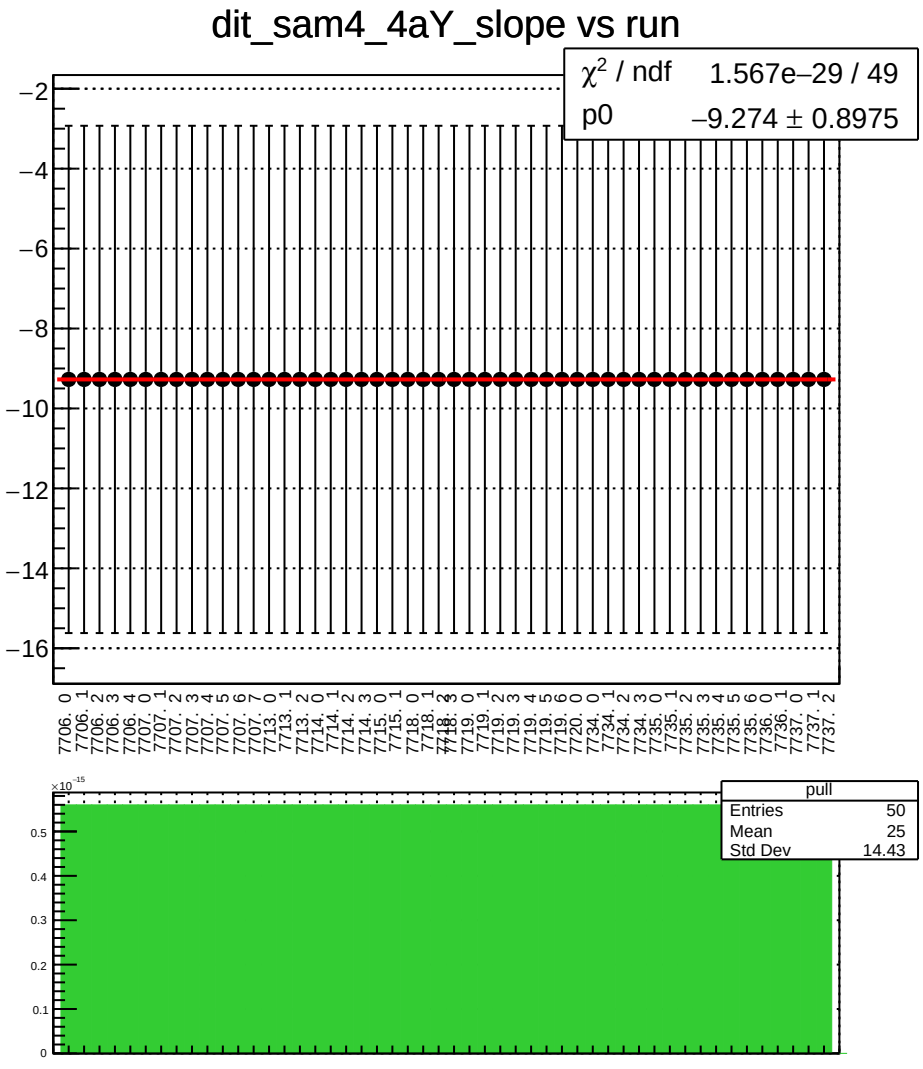

dit_sam3_4eY_slope vs run
χ² / ndf 3.629e−25 / 49
p0 34.6 ± 0.1297
35.6
35.4
35.2
35
34.8
34.6
34.4
34.2
34
33.8
33.6
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−10
−20
−30
−40
−50
−60
−70
−80
pull
Entries 50
Mean 25
Std Dev 14.43

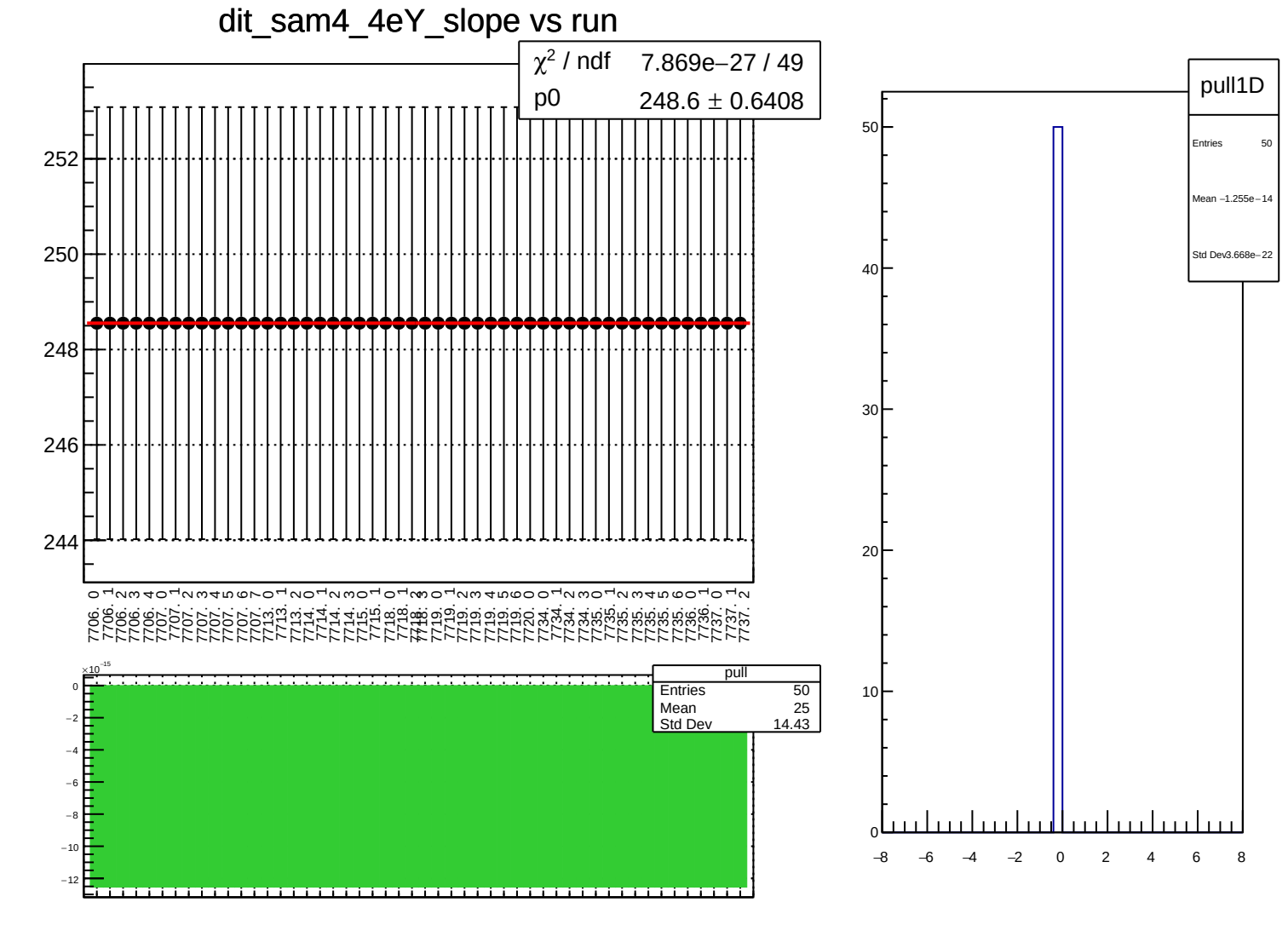

pull1D
Entries 50
Mean −8.52e−14
Std Dev3.594e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

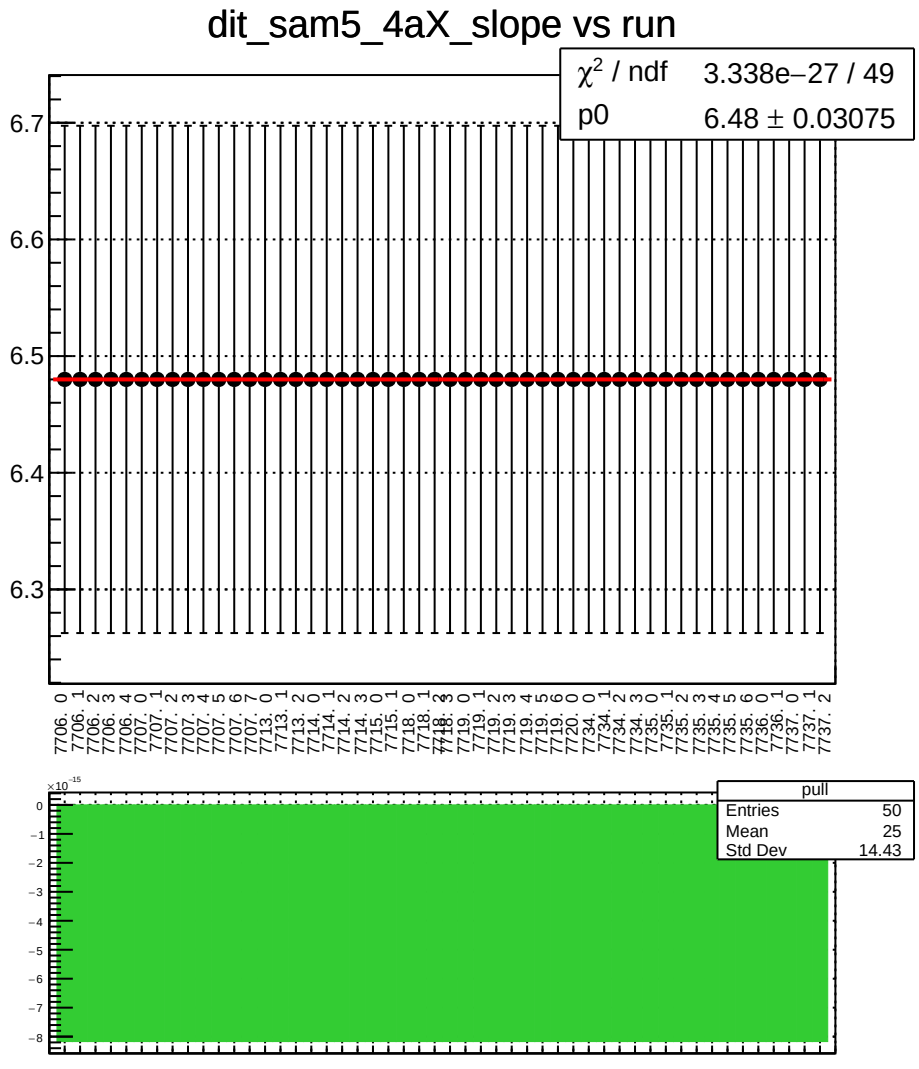

dit_sam4_4aX_slope vs run
χ² / ndf 2.89e−27 / 49
p0 19.97 ± 0.3966
23
22
21
20
19
18
17
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 7.602e−15
Std Dev 2.801e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

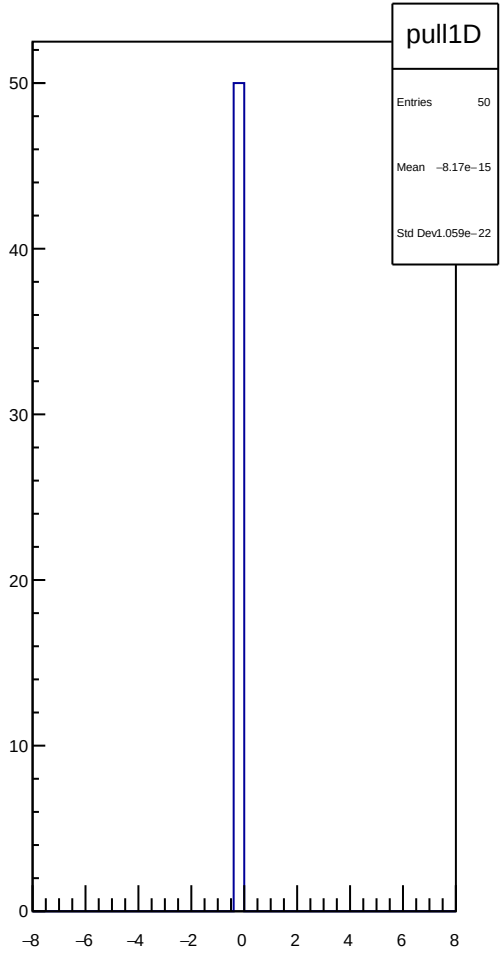

dit_sam4_4eX_slope vs run
χ² / ndf 2.923e−26 / 49
p0 −200.6 ± 0.4987
−197
−198
−199
−200
−201
−202
−203
−204
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 2.418e−14
Std Dev 6.696e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

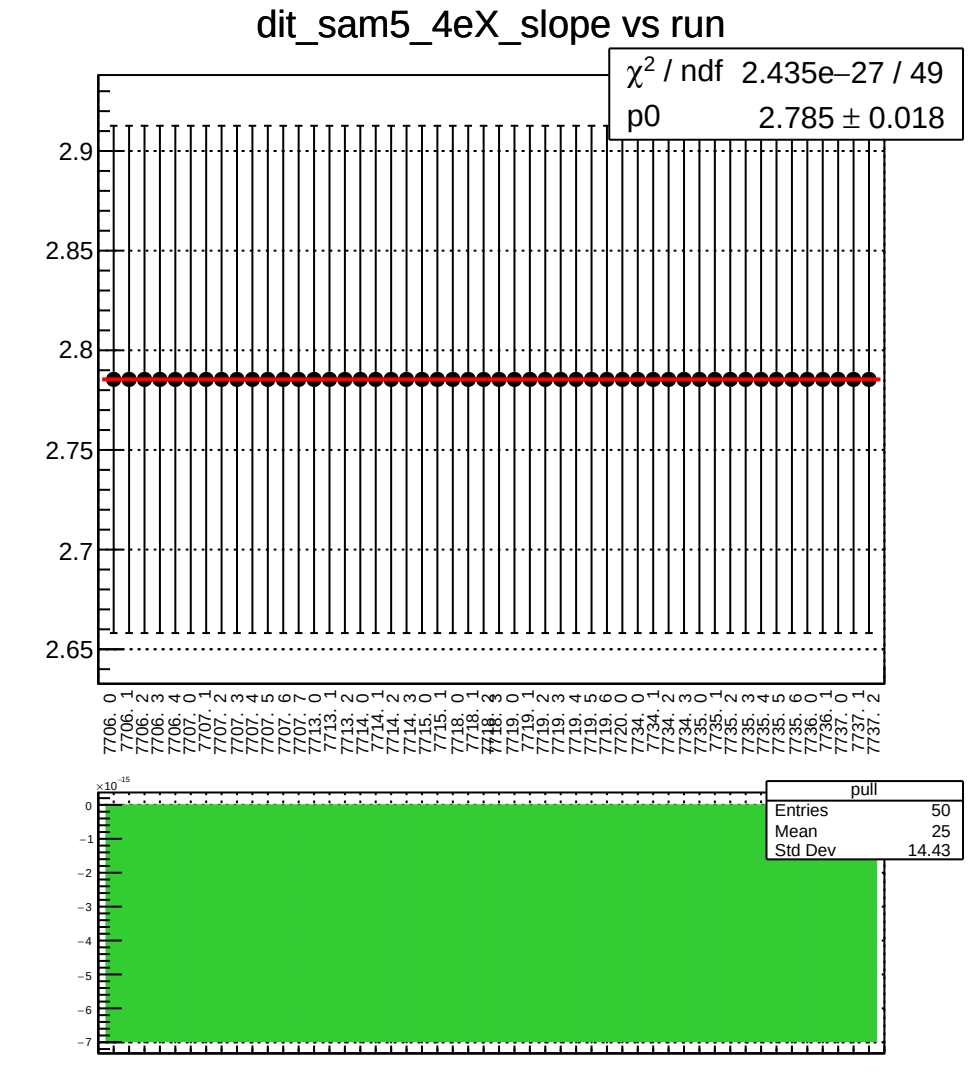

dit_sam4_11X12X_slope vs run
χ² / ndf 5.288e−27 / 49
p0 2.001 ± 0.02443
2.2
2.15
2.1
2.05
2
1.95
1.9
1.85
1.8
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−2
−4
−6
−8
−10
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −1.028e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

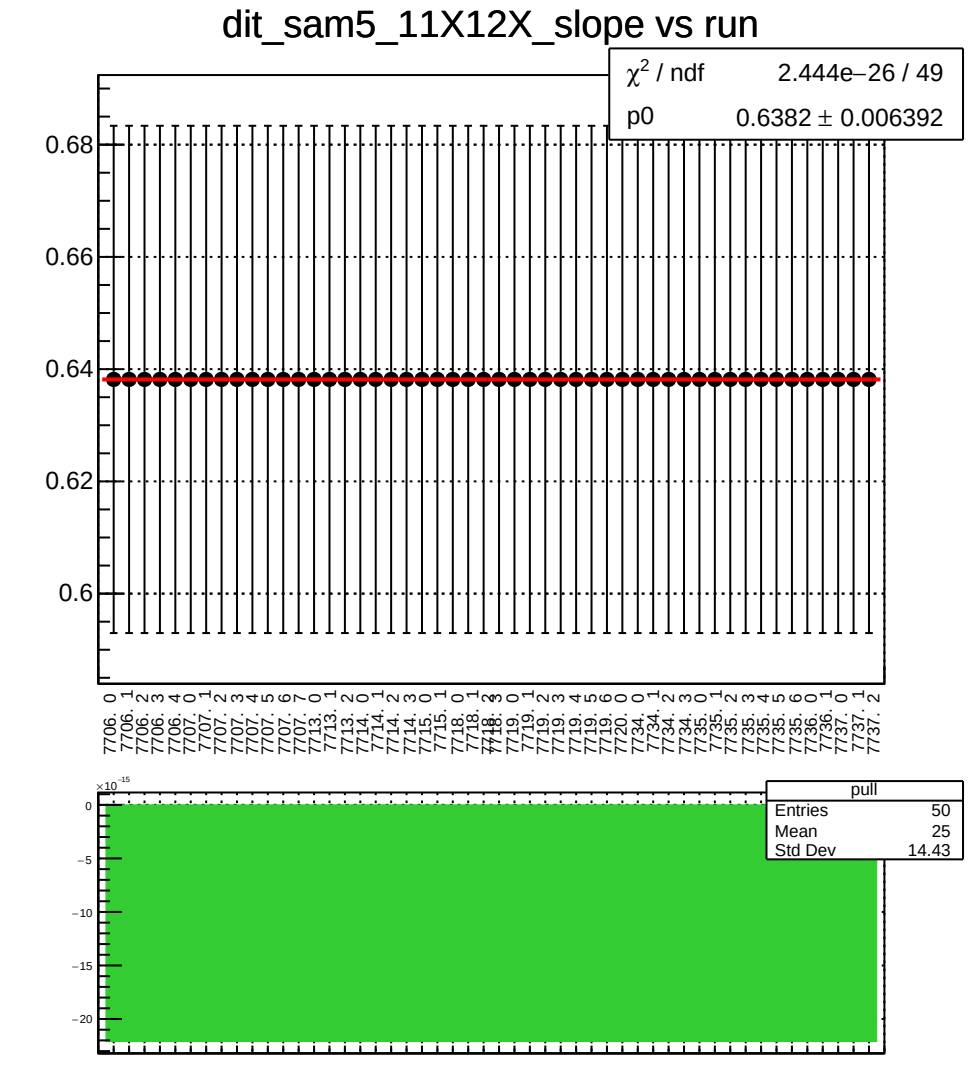

dit_sam4_4aY_slope vs run
χ² / ndf 1.567e−29 / 49
p0 −9.274 ± 0.8975
−2
−4
−6
−8
−10
−12
−14
−16
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�¹⁵
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 5.598e−16
Std Dev1.146e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

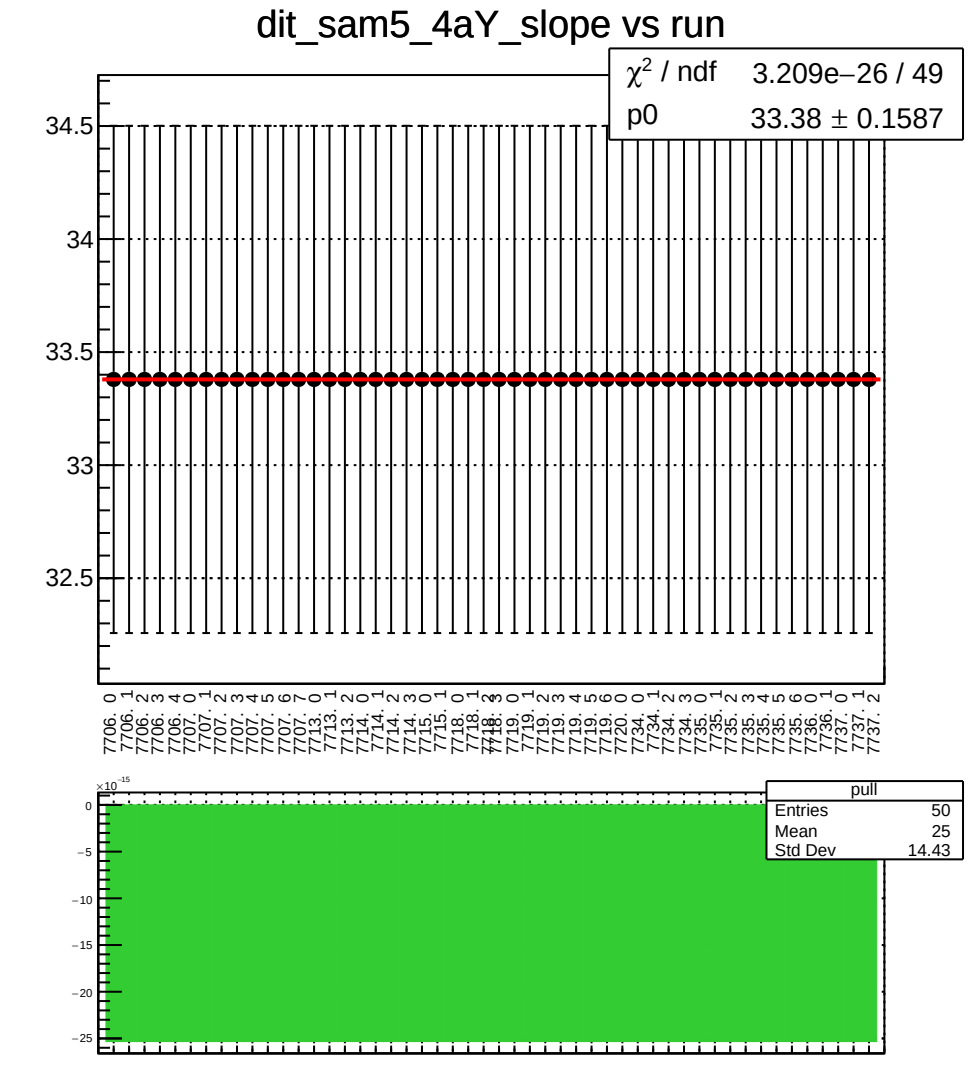

dit_sam4_4eY_slope vs run
χ² / ndf 7.869e−27 / 49
p0 248.6 ± 0.6408
252
250
248
246
244
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −1.255e−14
Std Dev3.668e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

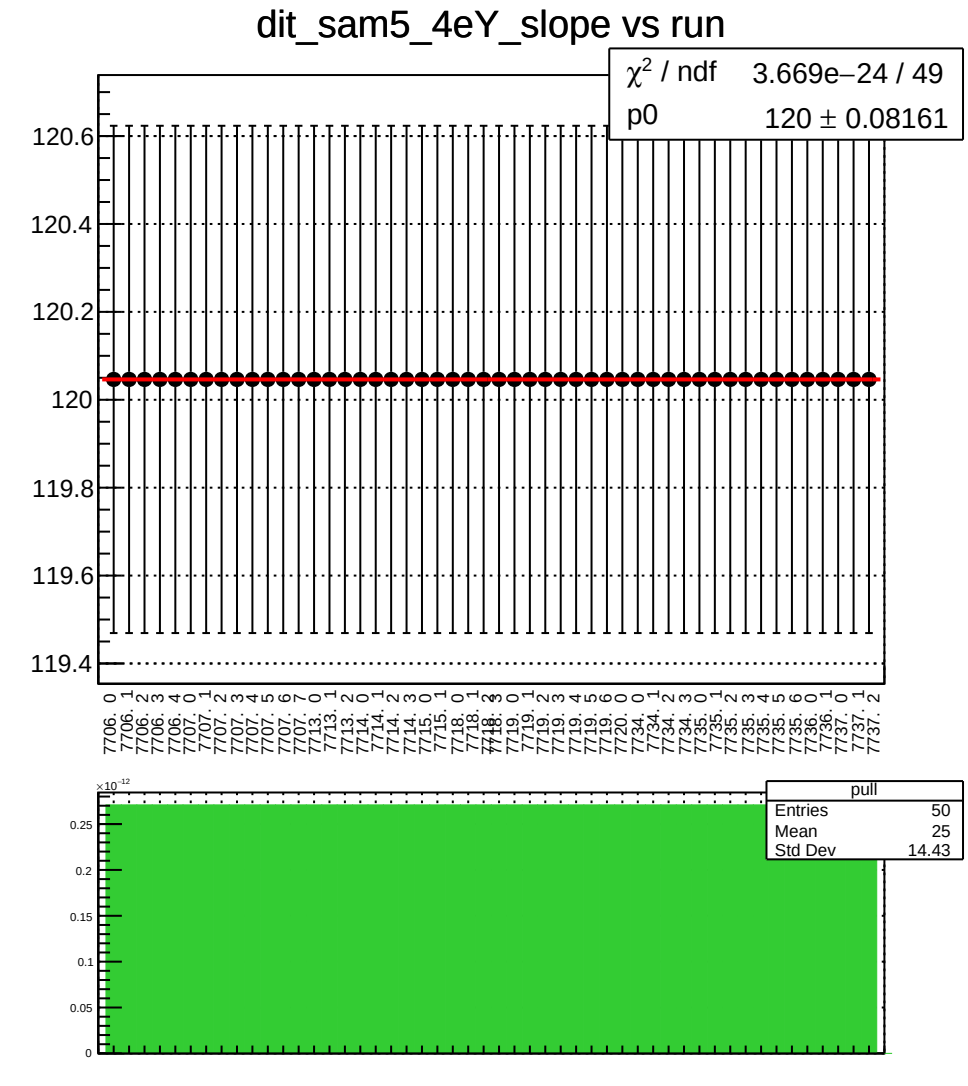

dit_sam5_4aX_slope vs run
χ^2 / ndf 3.338e−27 / 49
p0 6.48 ± 0.03075
6.7
6.6
6.5
6.4
6.3
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10 -15
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 50
Mean 25
Std Dev 14.43

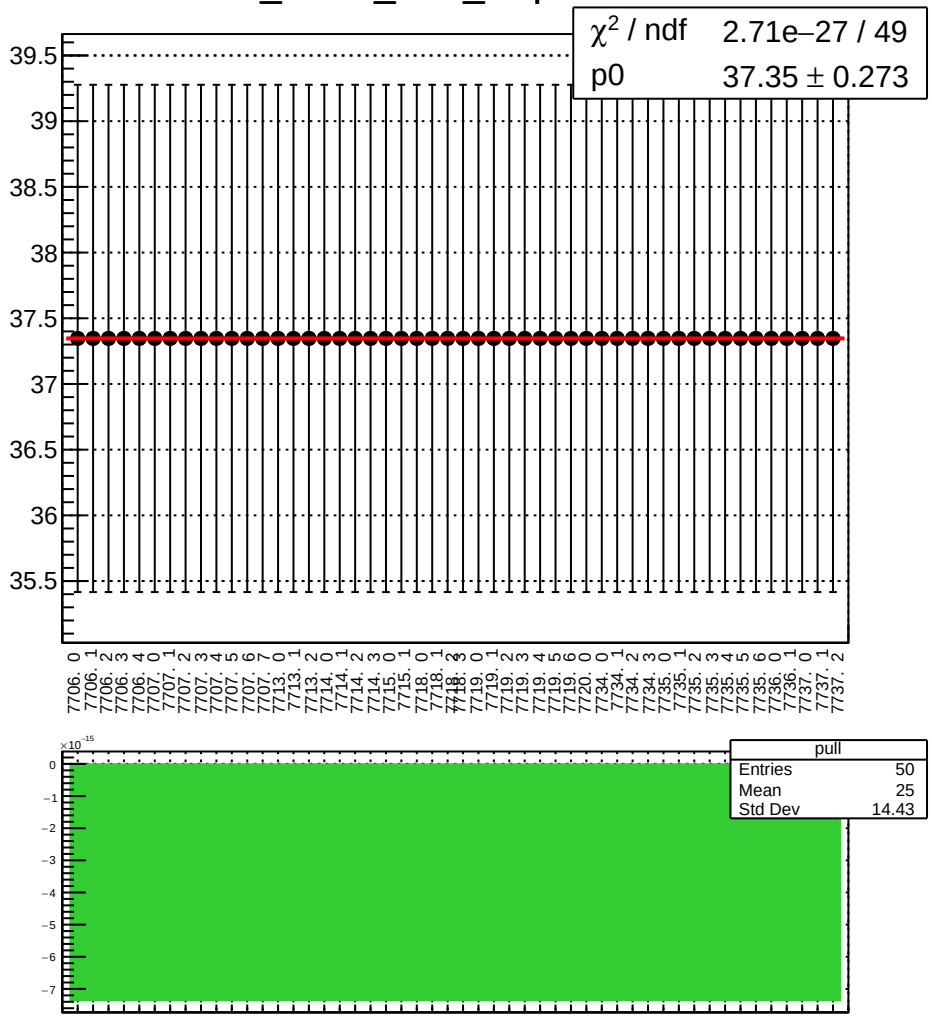

pull1D
Entries 50
Mean −8.17e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

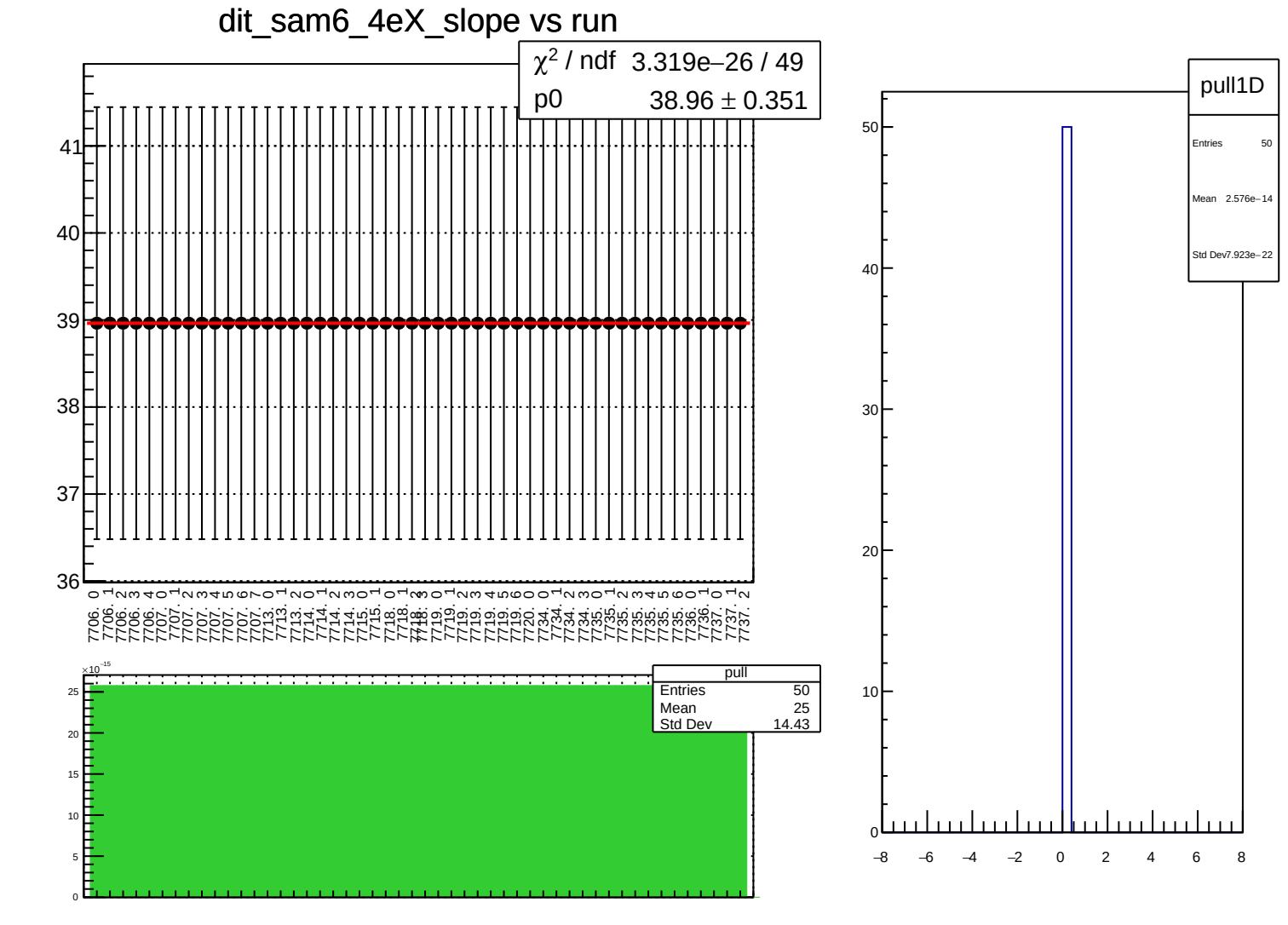

dit_sam5_4eX_slope vs run
χ^2 / ndf 2.435e−27 / 49
p0 2.785 ± 0.018
2.9
2.85
2.8
2.75
2.7
2.65
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −6.979e−15
Std Dev2.368e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

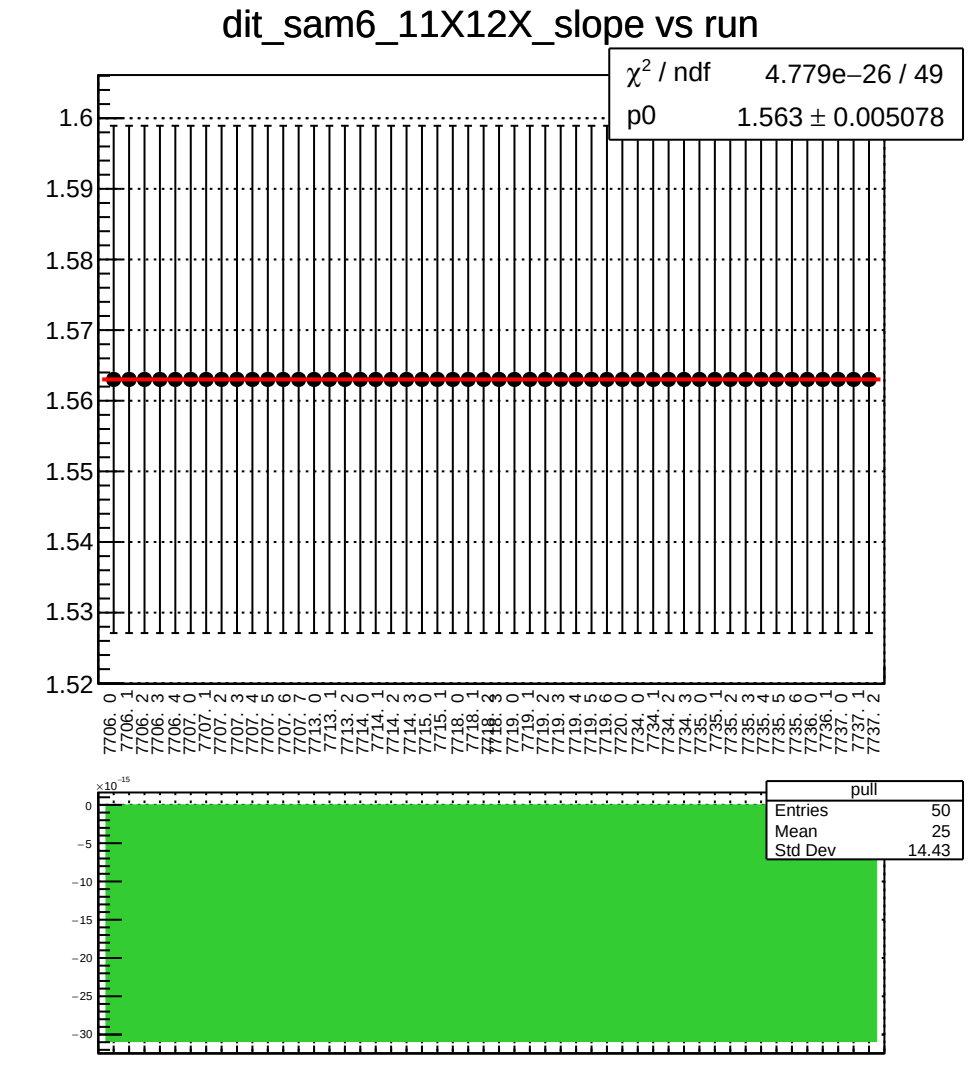

dit_sam5_11X12X_slope vs run
χ² / ndf 2.444e−26 / 49
p0 0.6382 ± 0.006392
0.68
0.66
0.64
0.62
0.6
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −2.211e−14
Std Dev4.235e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

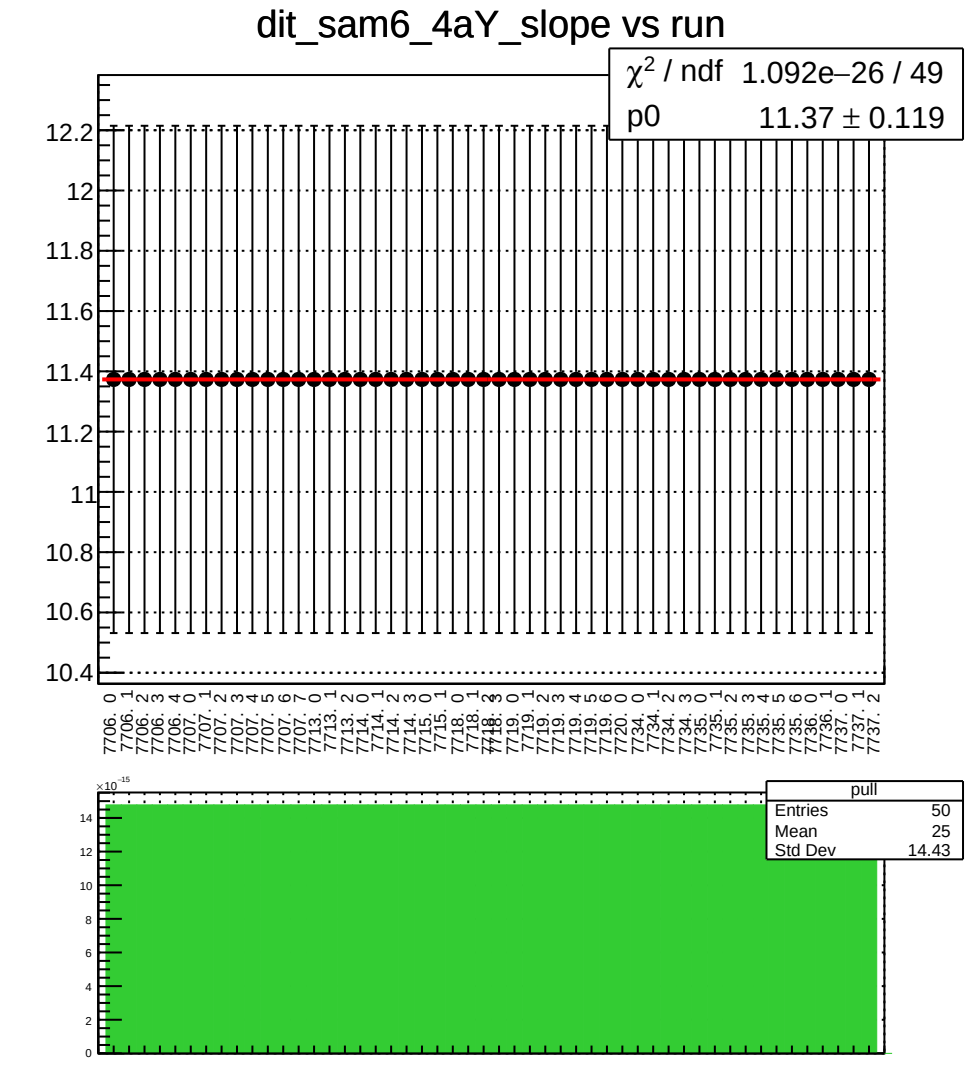

dit_sam5_4aY_slope vs run
χ² / ndf 3.209e−26 / 49
p0 33.38 ± 0.1587
34.5
34
33.5
33
32.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
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7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−5
−10
−15
−20
−25
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −2.533e−14
Std Dev1.198e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

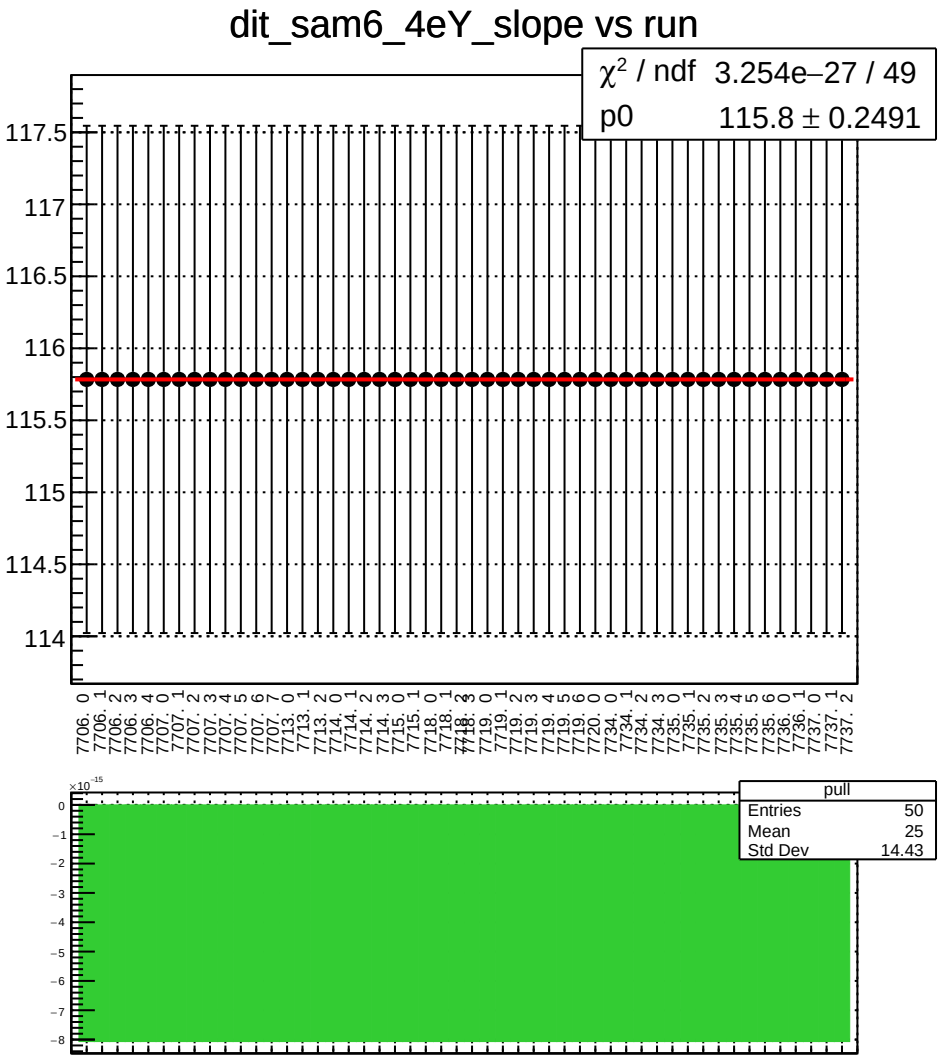

dit_sam5_4eY_slope vs run
χ² / ndf 3.669e−24 / 49
p0 120 ± 0.08161
120.6
120.4
120.2
120
119.8
119.6
119.4
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 2.709e−13
Std Dev9.583e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

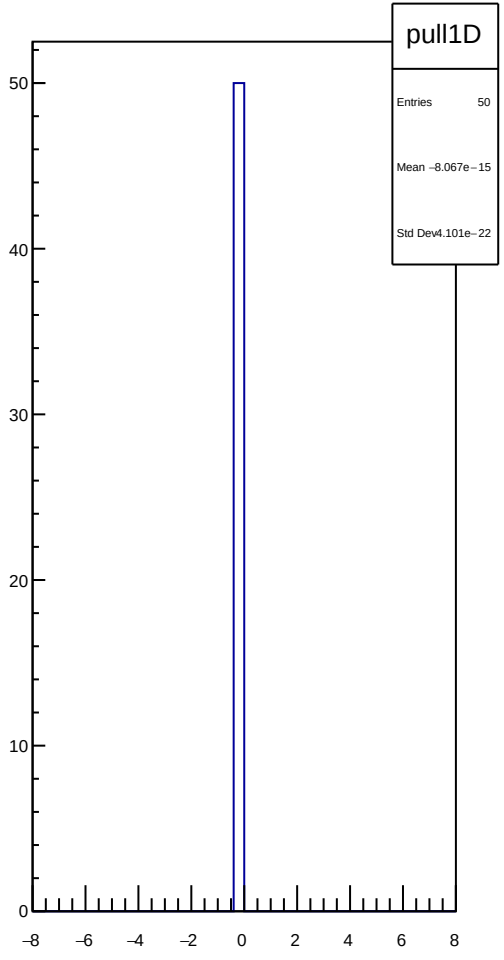

dit_sam6_4aX_slope vs run
χ² / ndf 2.71e−27 / 49
p0 37.35 ± 0.273
39.5
39
38.5
38
37.5
37
36.5
36
35.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−1
−2
−3
−4
−5
−6
−7
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −7.362e−15
Std Dev 2.593e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

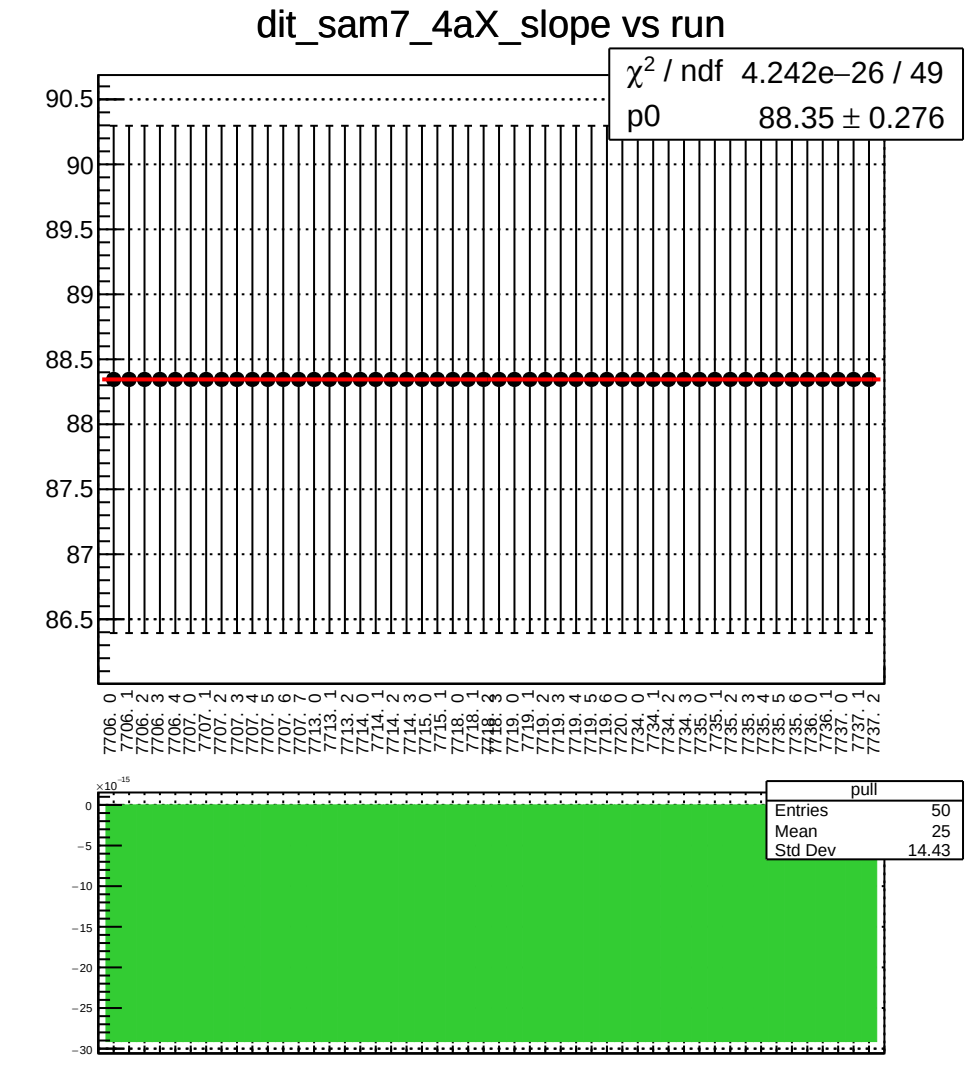

dit_sam6_4eX_slope vs run
χ² / ndf 3.319e−26 / 49
p0 38.96 ± 0.351
41
40
39
38
37
36
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 2.576e−14
Std Dev7.923e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

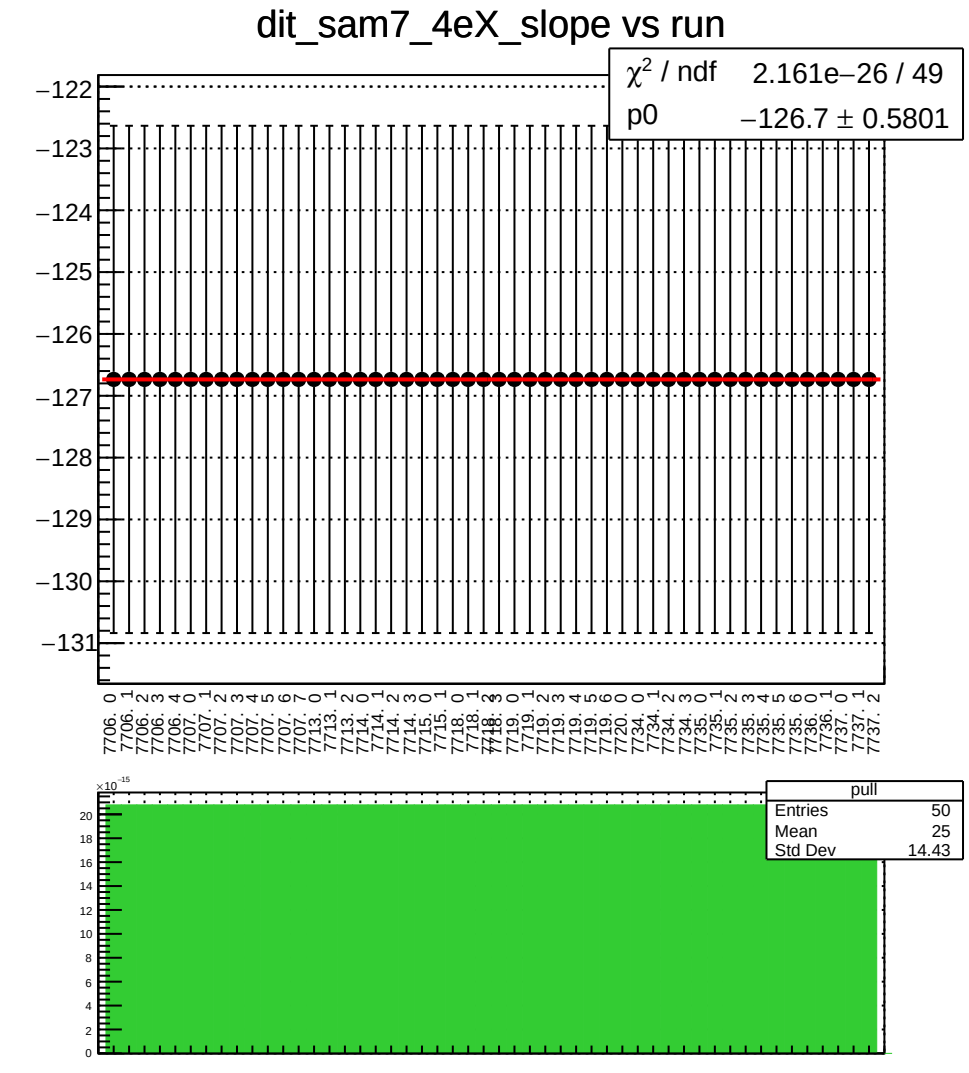

dit_sam6_11X12X_slope vs run
χ² / ndf 4.779e−26 / 49
p0 1.563 ± 0.005078
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −3.092e−14
Std Dev1.405e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

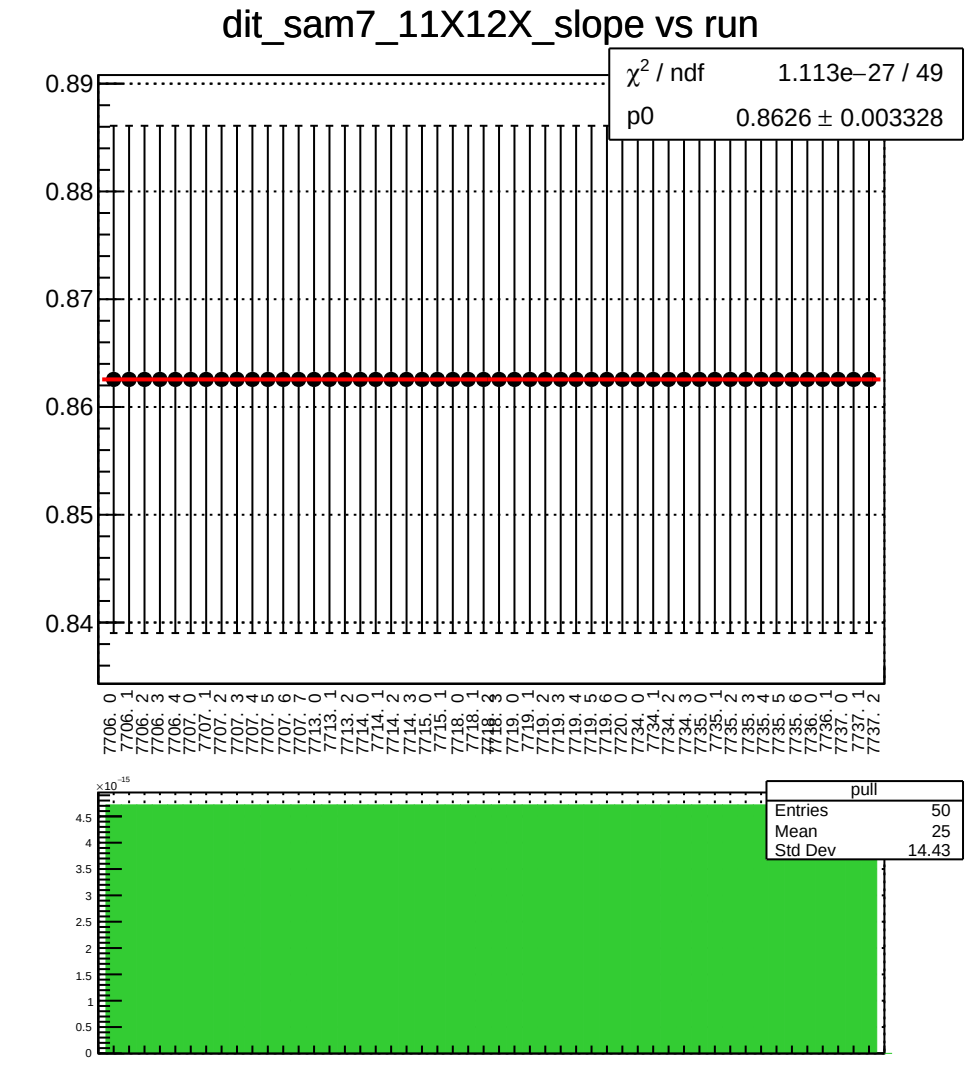

dit_sam6_4aY_slope vs run
χ² / ndf 1.092e−26 / 49
p0 11.37 ± 0.119
12.2
12
11.8
11.6
11.4
11.2
11
10.8
10.6
10.4
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 1.478e−14
Std Dev4.735e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

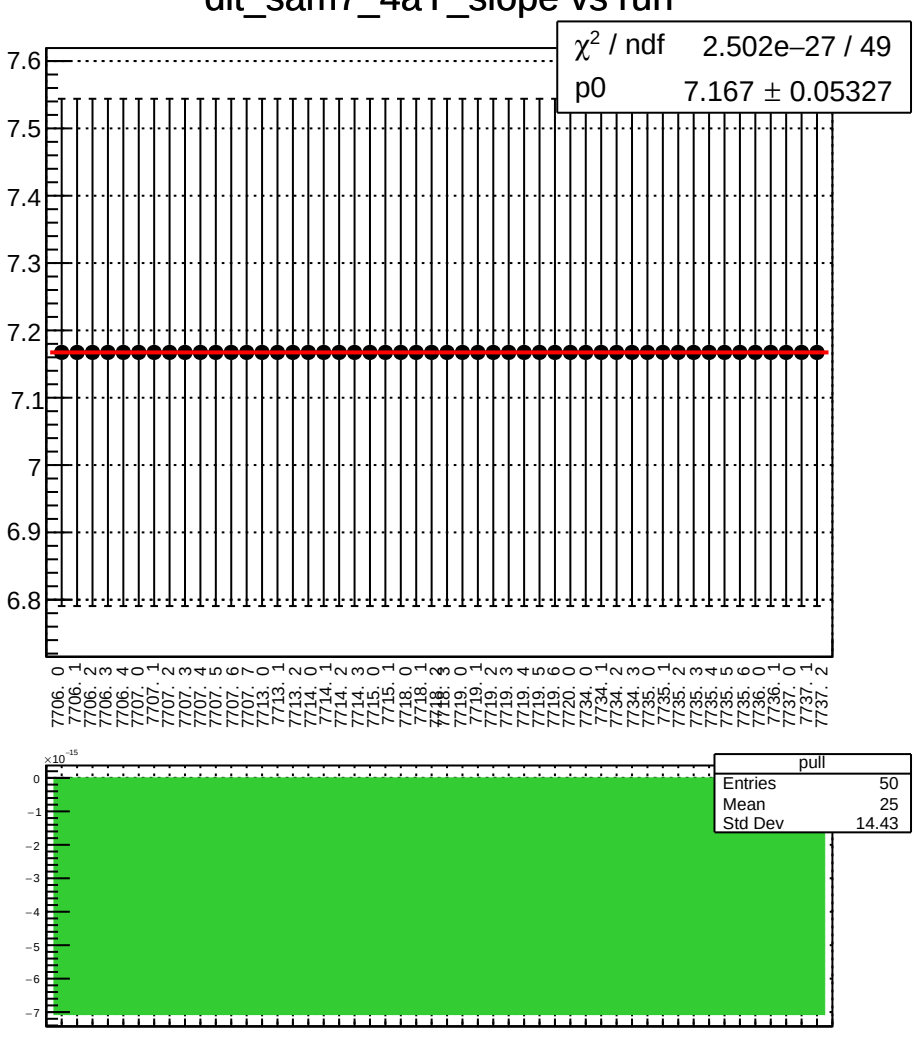

dit_sam6_4eY_slope vs run
χ² / ndf 3.254e−27 / 49
p0 115.8 ± 0.2491
117.5
117
116.5
116
115.5
115
114.5
114
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 50
Mean 25
Std Dev 14.43

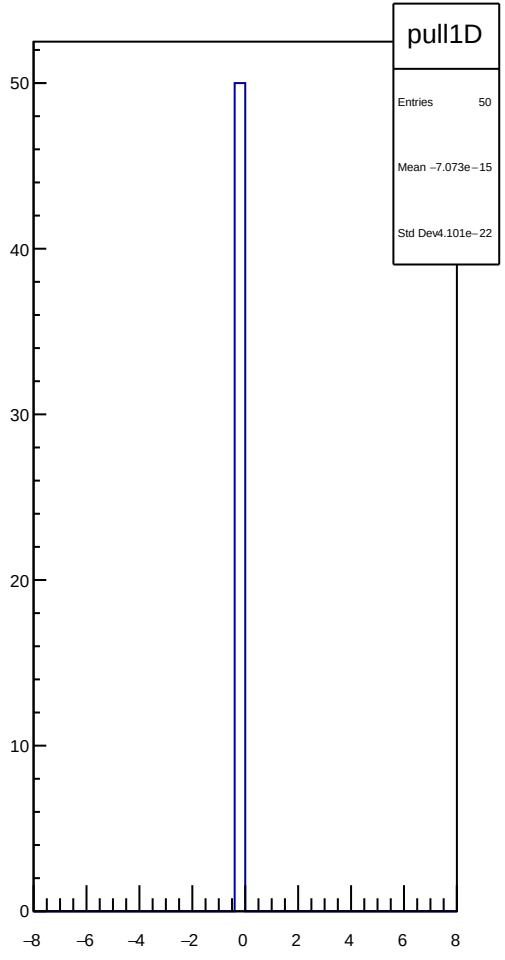

pull1D
Entries 50
Mean −8.067e−15
Std Dev4.101e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

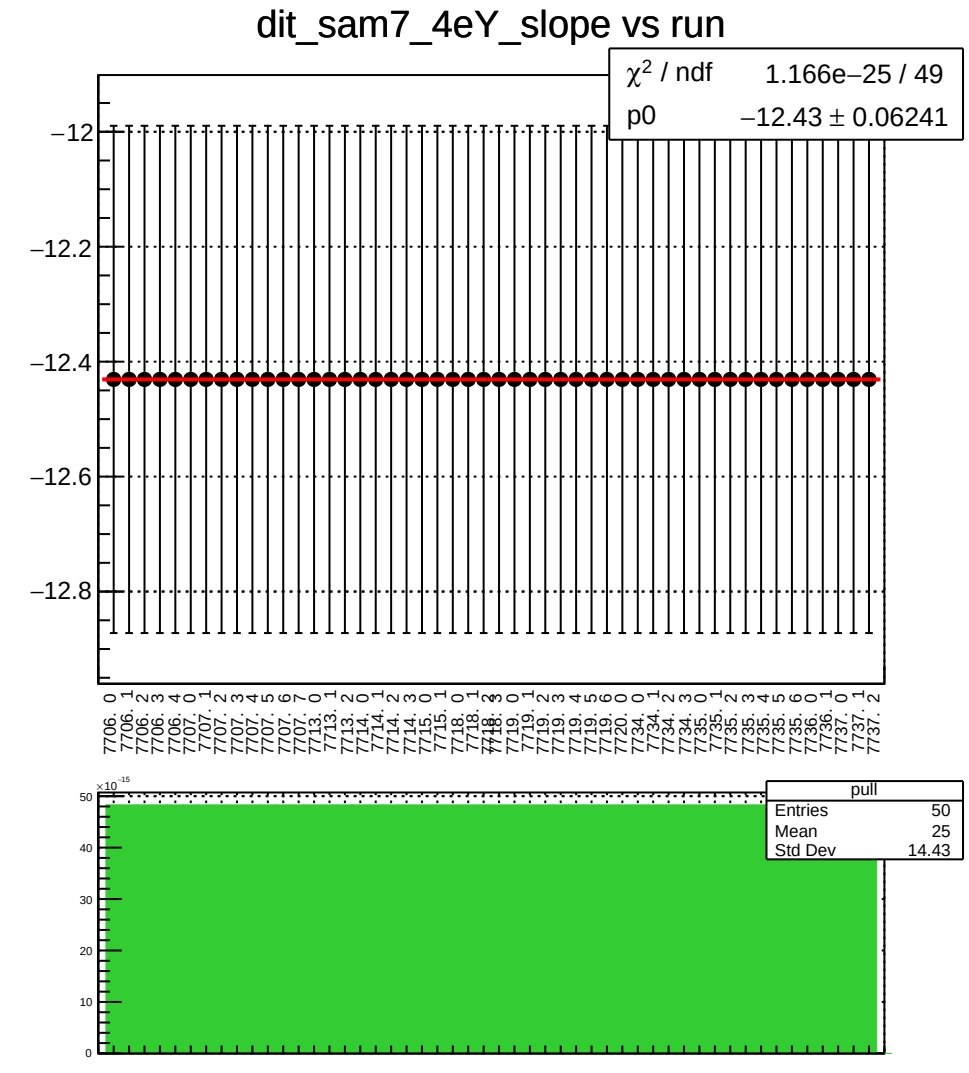

dit_sam7_4aX_slope vs run
χ^2 / ndf 4.242e−26 / 49
p0 88.35 ± 0.276
90.5
90
89.5
89
88.5
88
87.5
87
86.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10 -15
0
−5
−10
−15
−20
−25
−30
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −2.913e−14
Std Dev7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

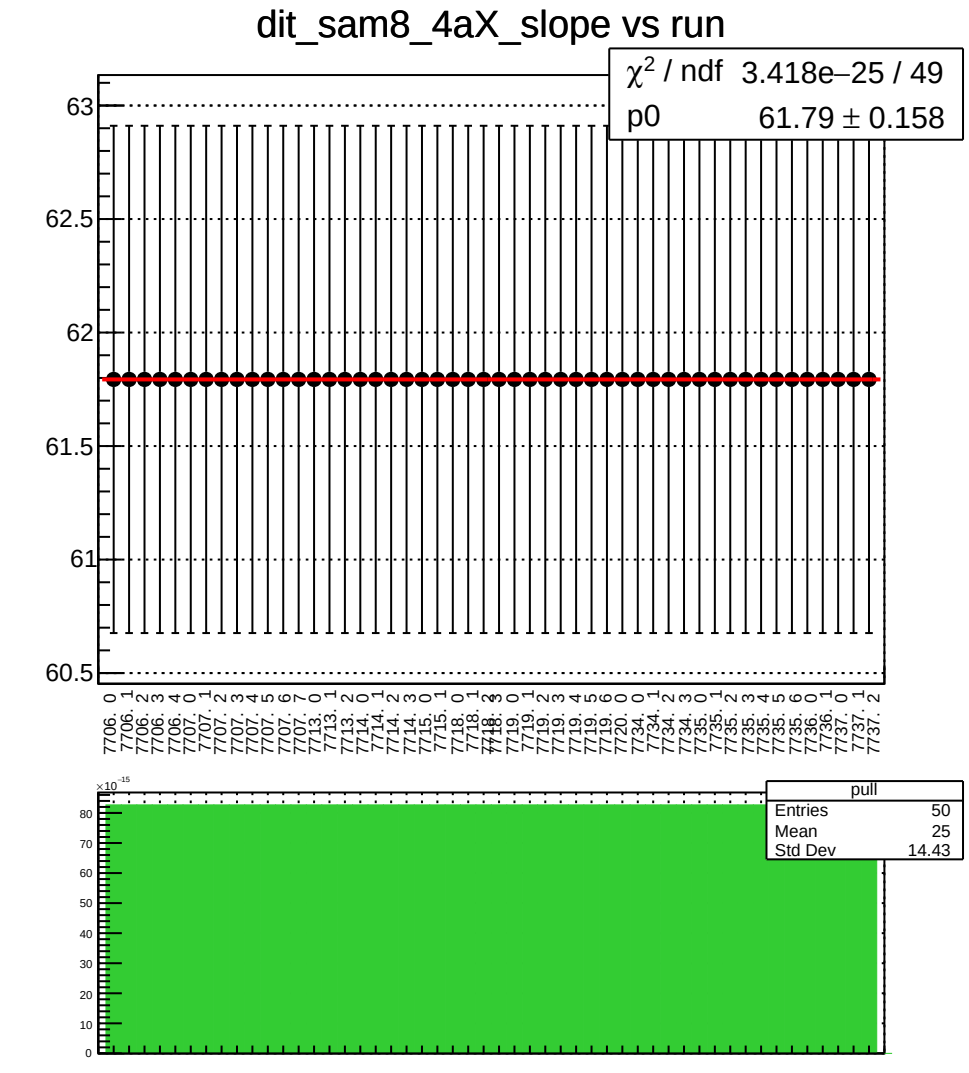

dit_sam7_4eX_slope vs run
χ² / ndf 2.161e−26 / 49
p0 −126.7 ± 0.5801
−122
−123
−124
−125
−126
−127
−128
−129
−130
−131
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 2.079e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

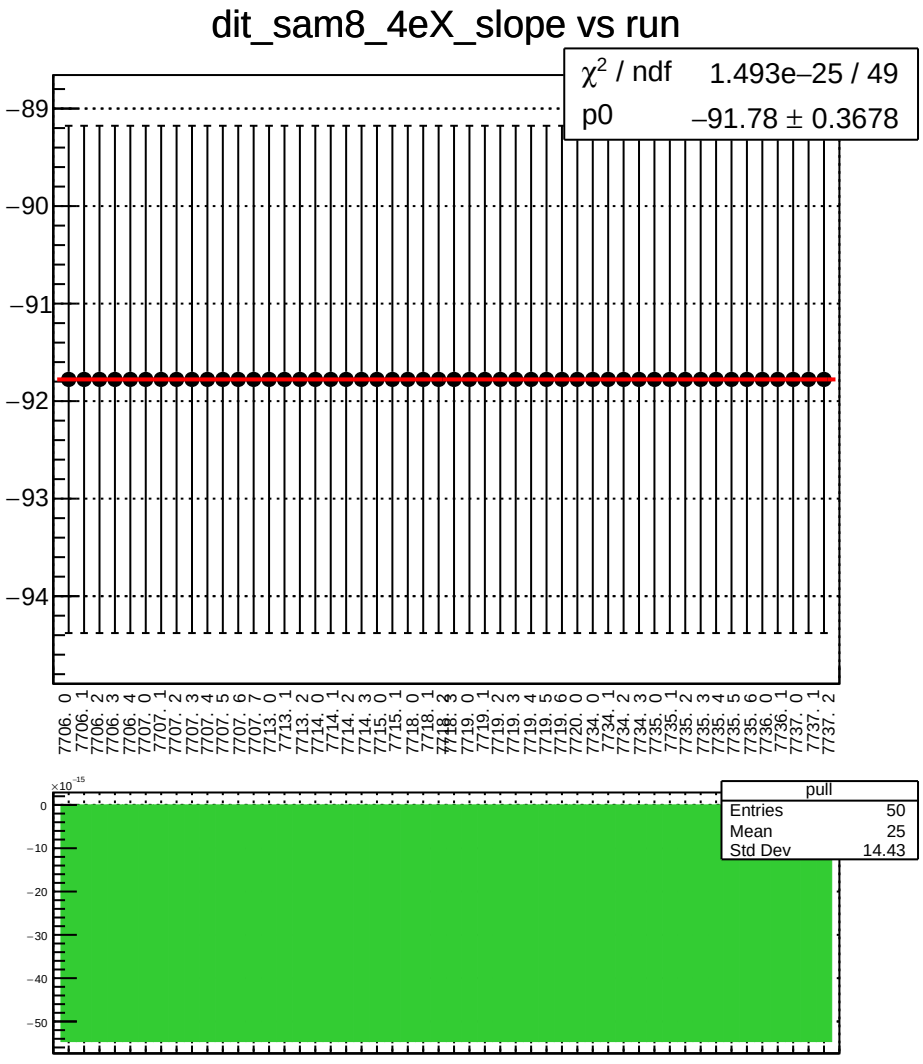

dit_sam7_11X12X_slope vs run
χ² / ndf 1.113e−27 / 49
p0 0.8626 ± 0.003328
0.89
0.88
0.87
0.86
0.85
0.84
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 4.717e−15
Std Dev1.401e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

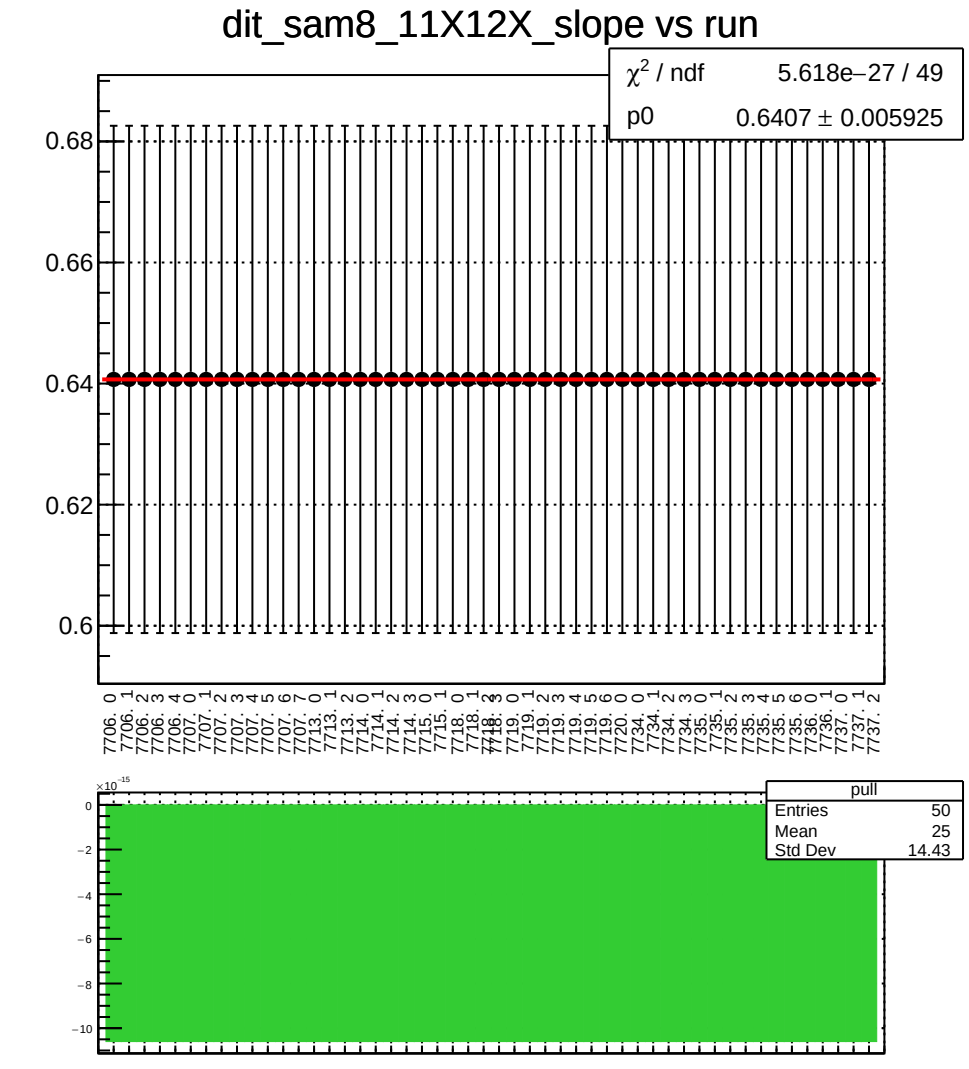

dit_sam7_4aY_slope vs run
χ² / ndf 2.502e−27 / 49
p0 7.167 ± 0.05327
7.6
7.5
7.4
7.3
7.2
7.1
7
6.9
6.8
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

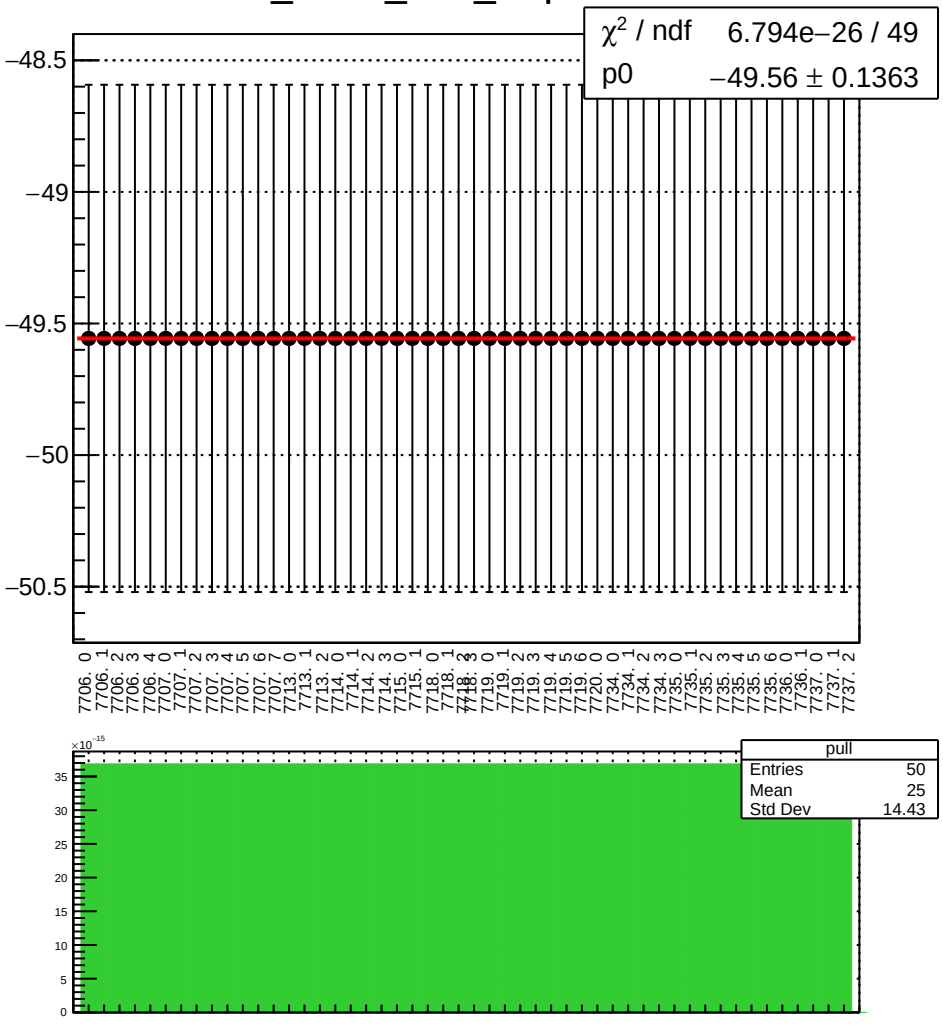

pull1D
Entries 50
Mean −7.073e−15
Std Dev4.101e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

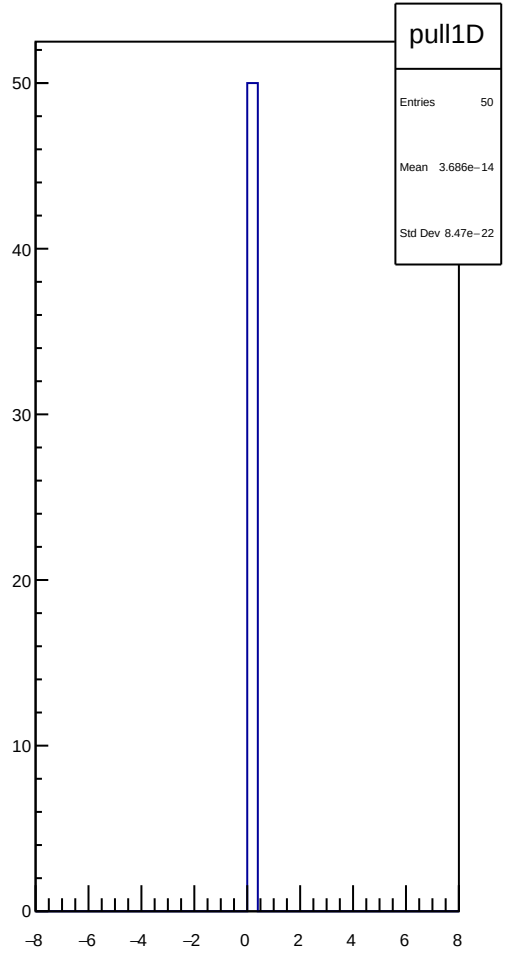

dit_sam7_4eY_slope vs run
χ² / ndf 1.166e−25 / 49
p0 −12.43 ± 0.06241
−12
−12.2
−12.4
−12.6
−12.8
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�¹⁵
50
40
30
20
10
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 4.83e−14
Std Dev 5.989e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

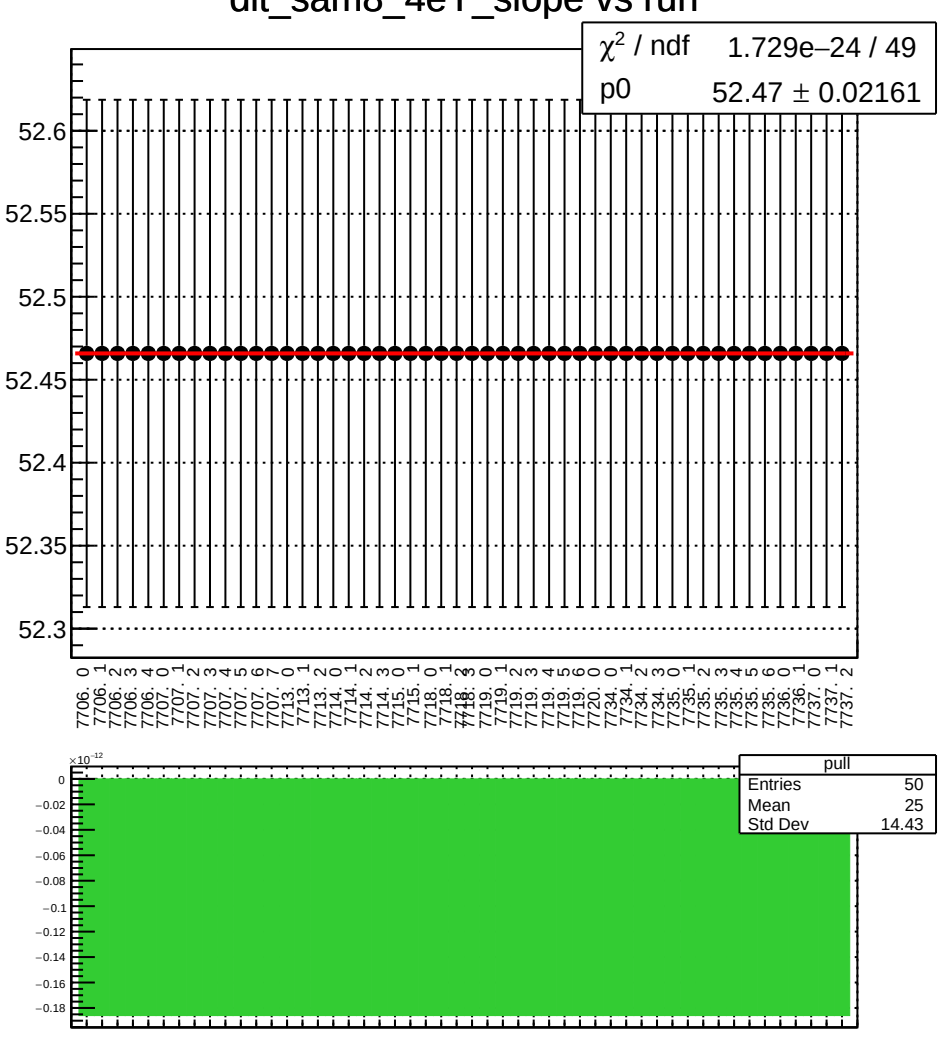

dit_sam8_4aX_slope vs run
χ² / ndf 3.418e−25 / 49
p0 61.79 ± 0.158
63
62.5
62
61.5
61
60.5
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
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7715. 1
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7718. 1
7718. 2
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7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
80
70
60
50
40
30
20
10
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 8.267e−14
Std Dev3.388e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

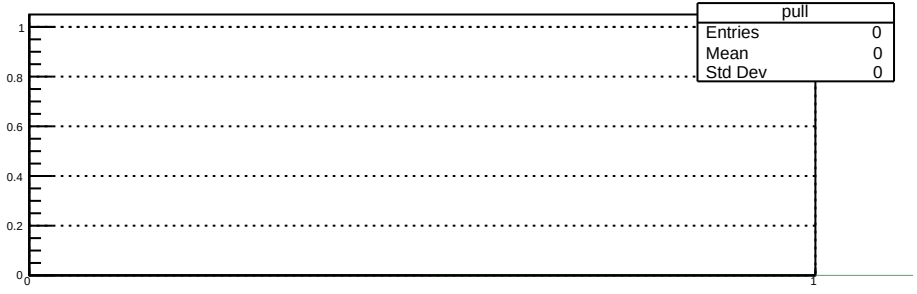

dit_sam8_4eX_slope vs run
χ² / ndf 1.493e−25 / 49
p0 −91.78 ± 0.3678
−89
−90
−91
−92
−93
−94
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
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7734. 2
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7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−10
−20
−30
−40
−50
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −5.464e−14
Std Dev2.241e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

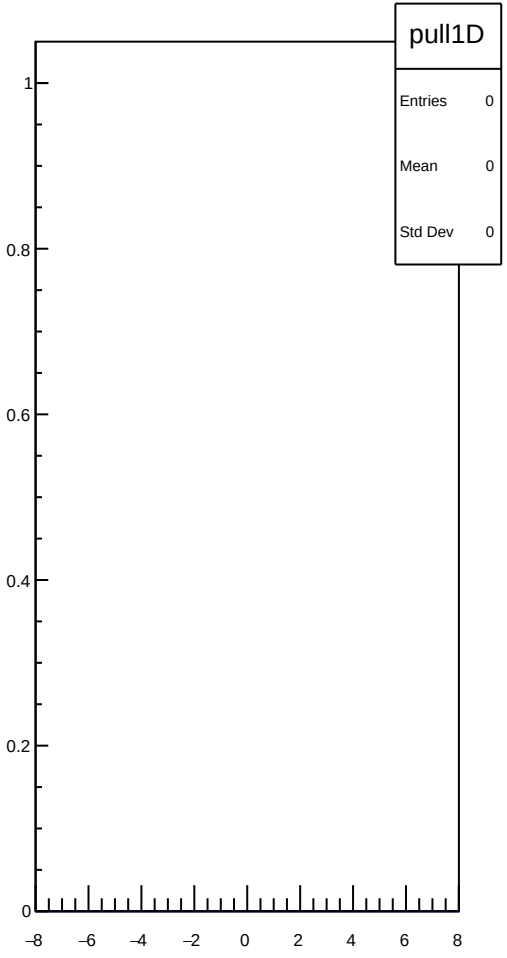

dit_sam8_11X12X_slope vs run
χ² / ndf 5.618e−27 / 49
p0 0.6407 ± 0.005925
0.68
0.66
0.64
0.62
0.6
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻�15
0
−2
−4
−6
−8
−10
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −1.06e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

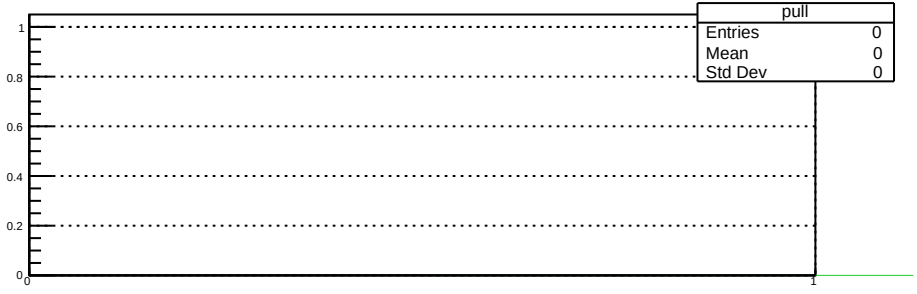

dit_sam8_4aY_slope vs run
χ² / ndf 6.794e−26 / 49
p0 −49.56 ± 0.1363
−48.5
−49
−49.5
−50
−50.5
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
35
30
25
20
15
10
5
0

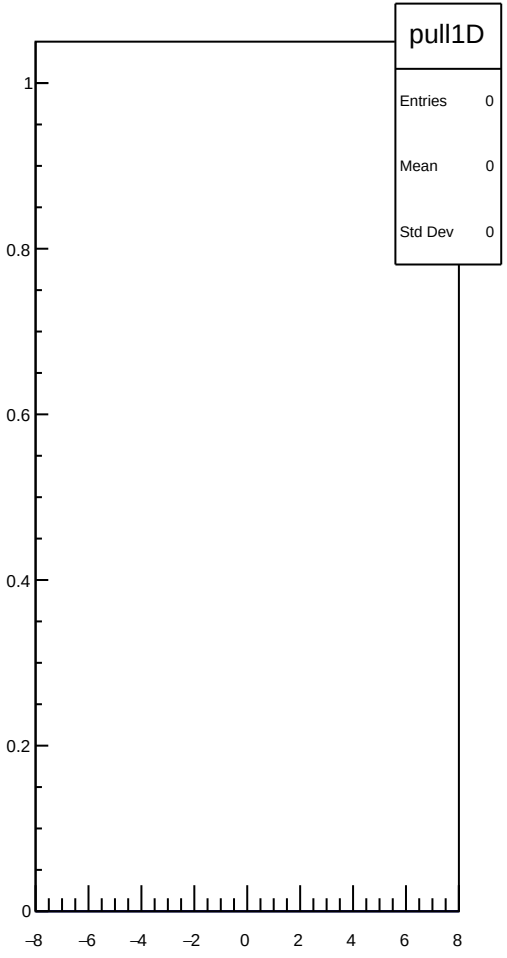

pull1D
Entries 50
Mean 3.686e−14
Std Dev 8.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

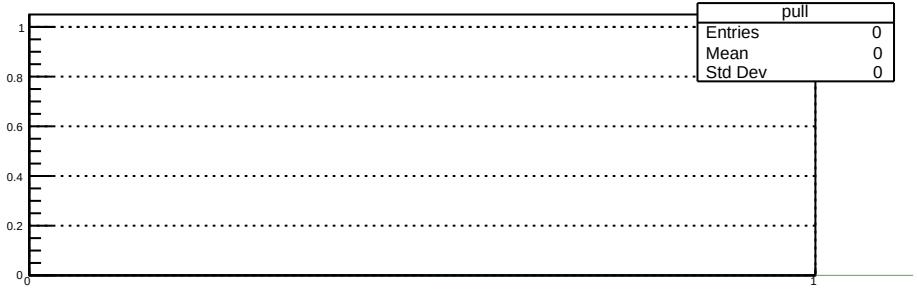

dit_sam8_4eY_slope vs run
χ² / ndf 1.729e−24 / 49
p0 52.47 ± 0.02161
52.6
52.55
52.5
52.45
52.4
52.35
52.3
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −1.86e−13
Std Dev6.776e−21
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40
30
20
10
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−4
−2
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2
4
6
8

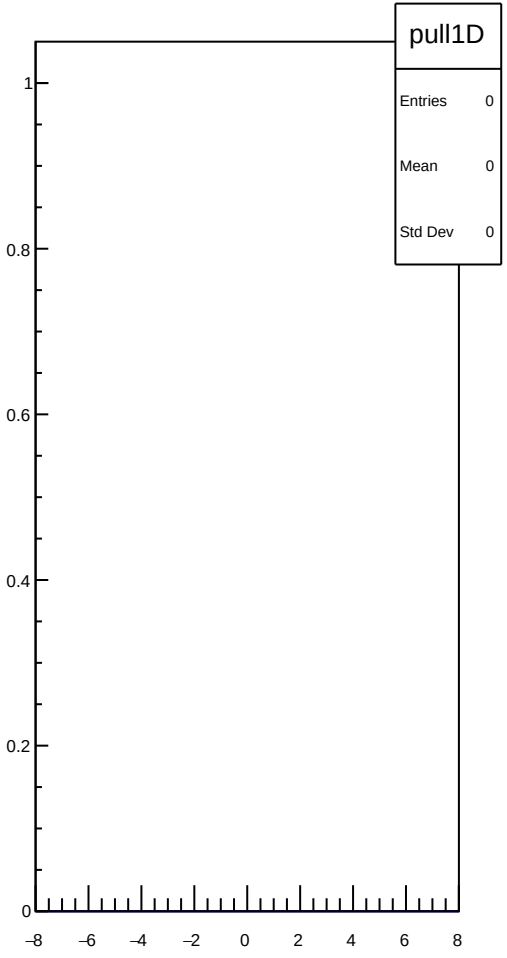

pull
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Std Dev 0
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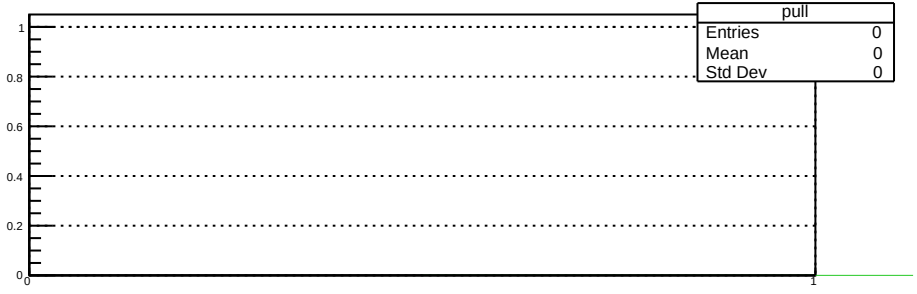

pull1D
Entries 0
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Std Dev 0
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0.6
0.4
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–4
–2
0
2
4
6
8

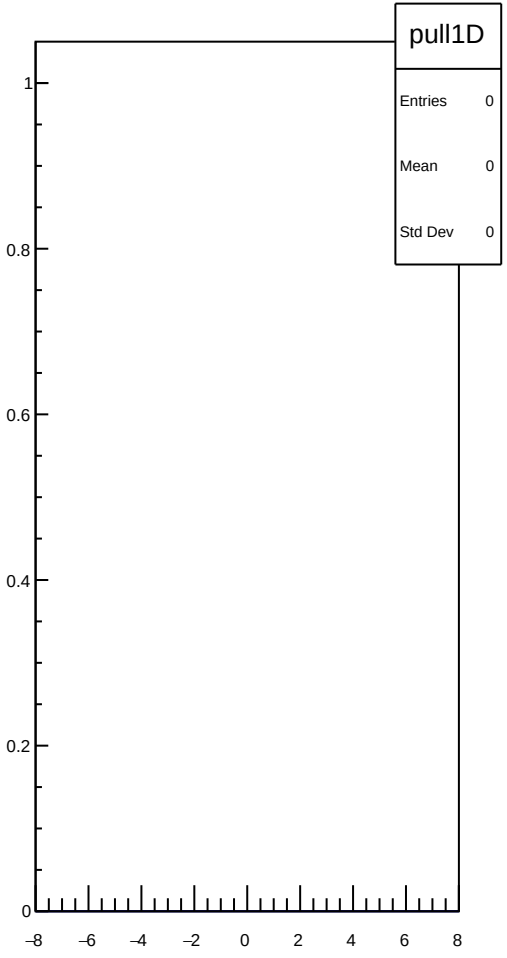

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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1

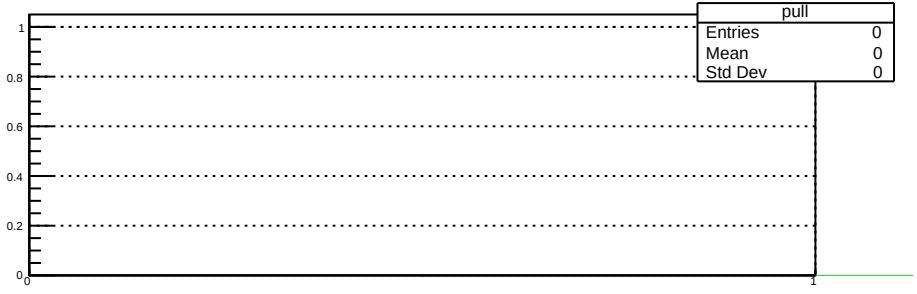

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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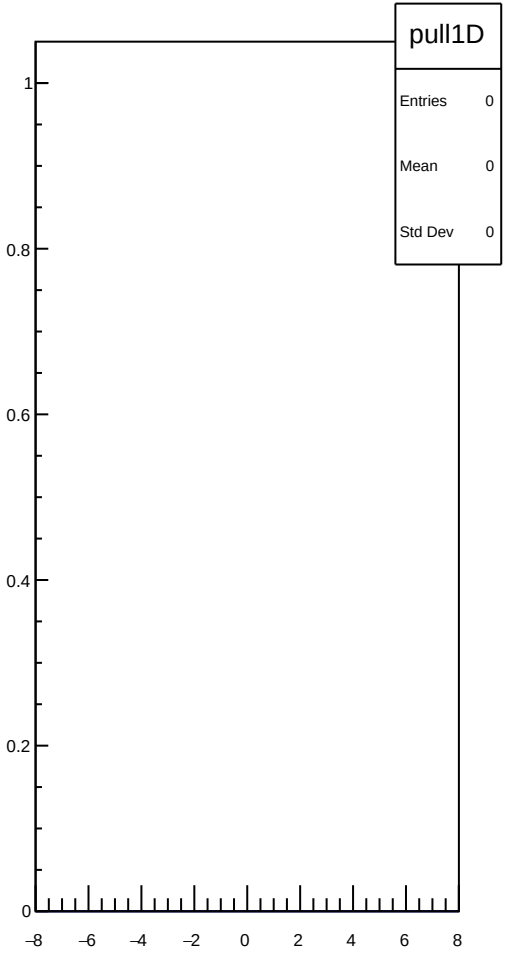

pull
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Std Dev 0
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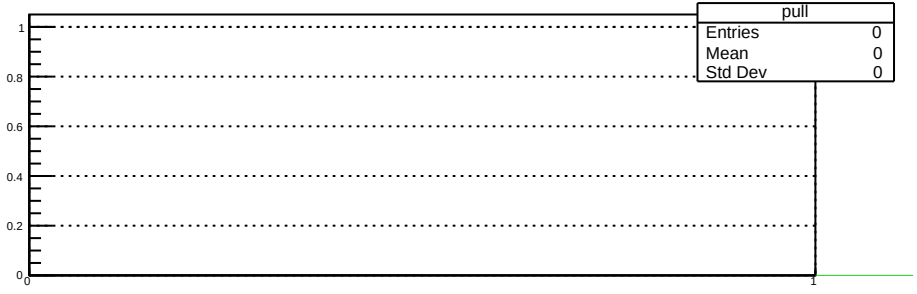

pull1D
Entries 0
Mean 0
Std Dev 0
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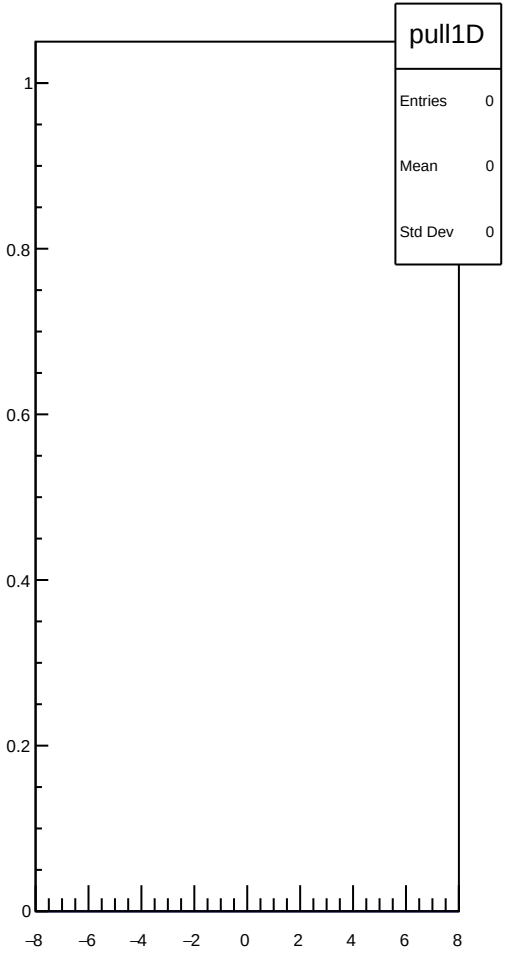

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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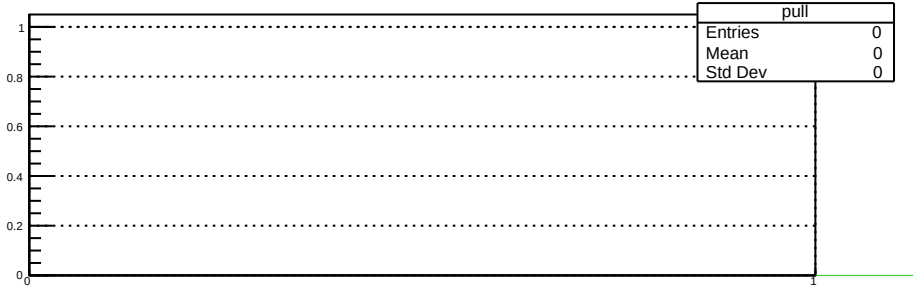

pull1D
Entries 0
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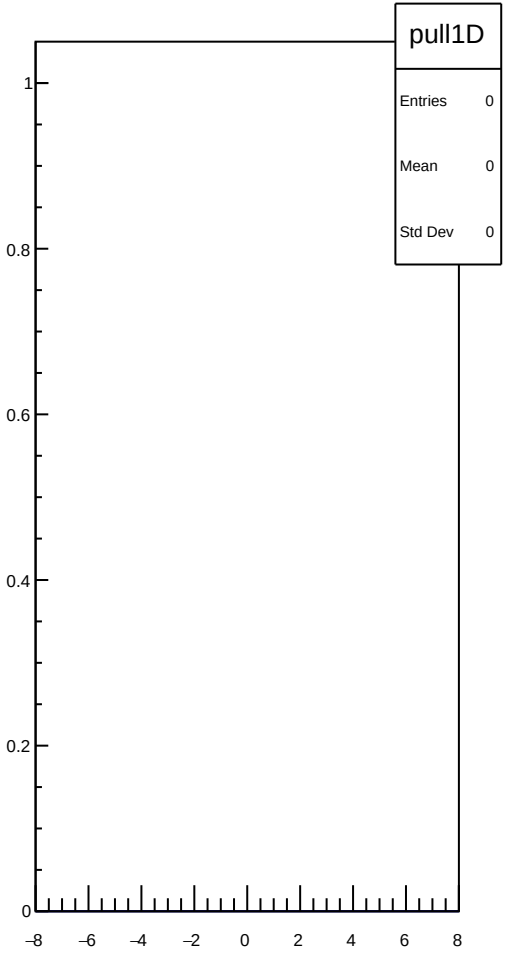

pull
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Std Dev 0
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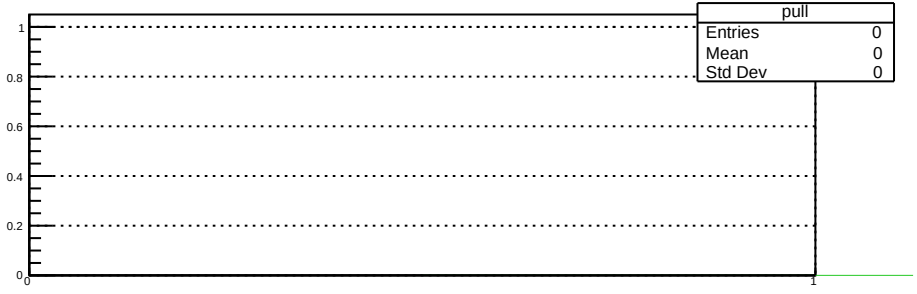

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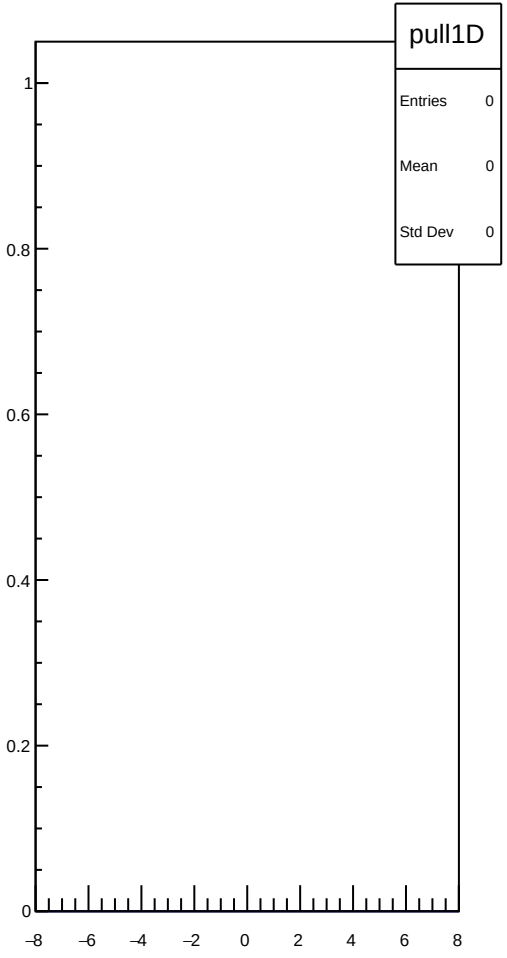

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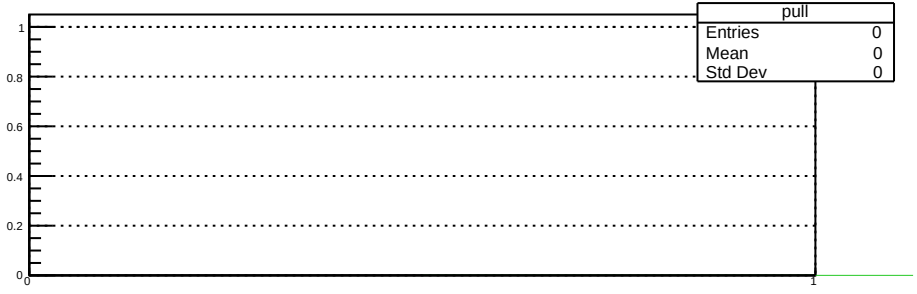

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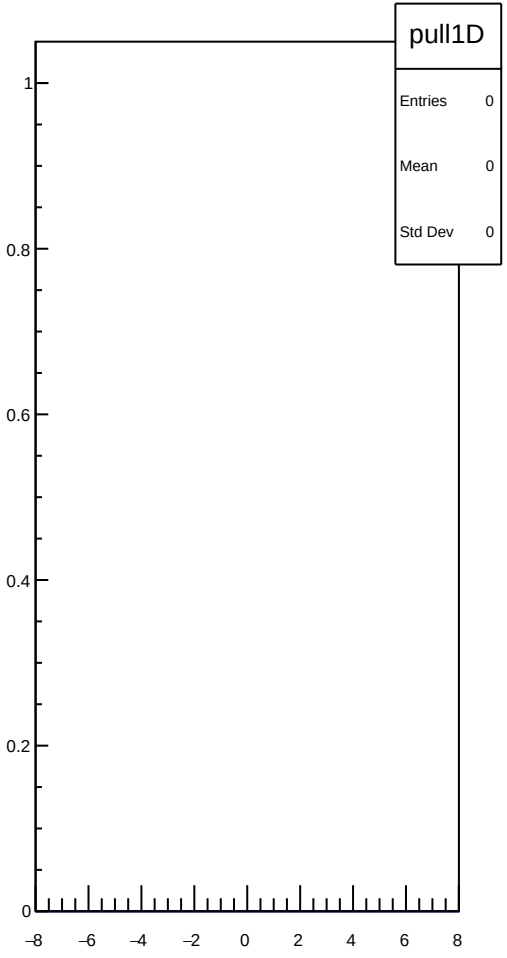

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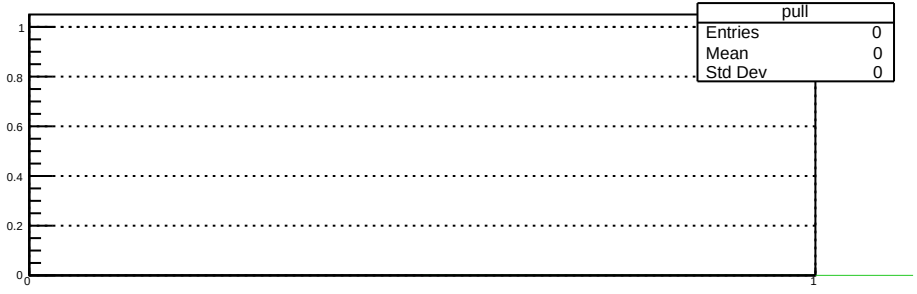

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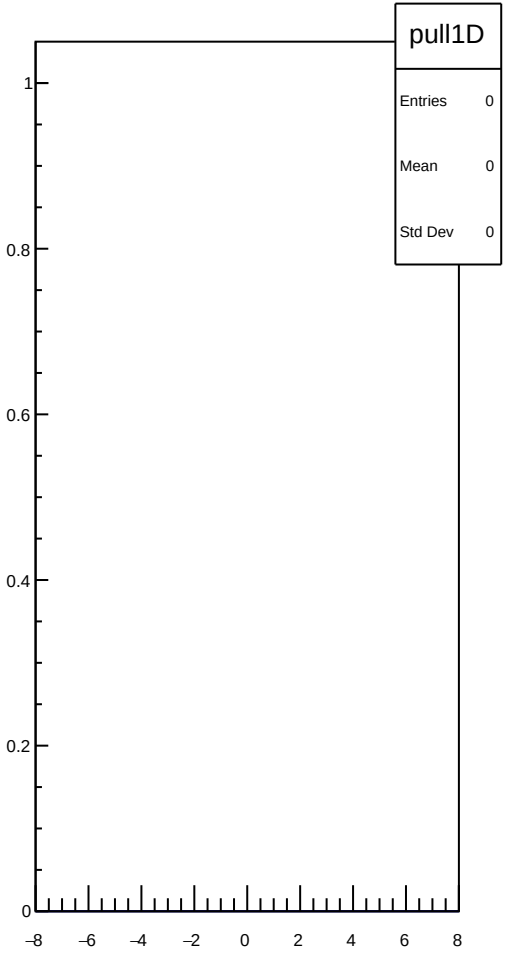

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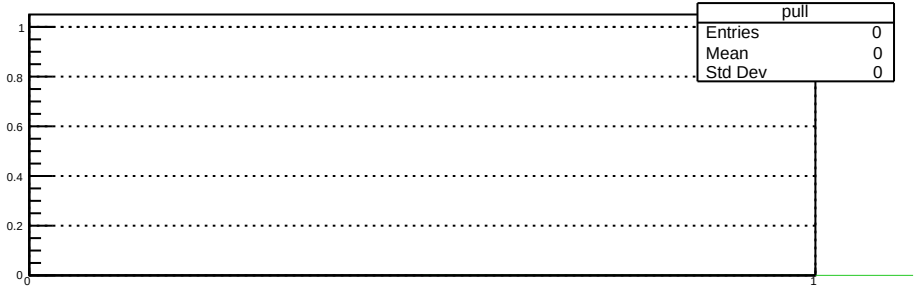

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Std Dev 0
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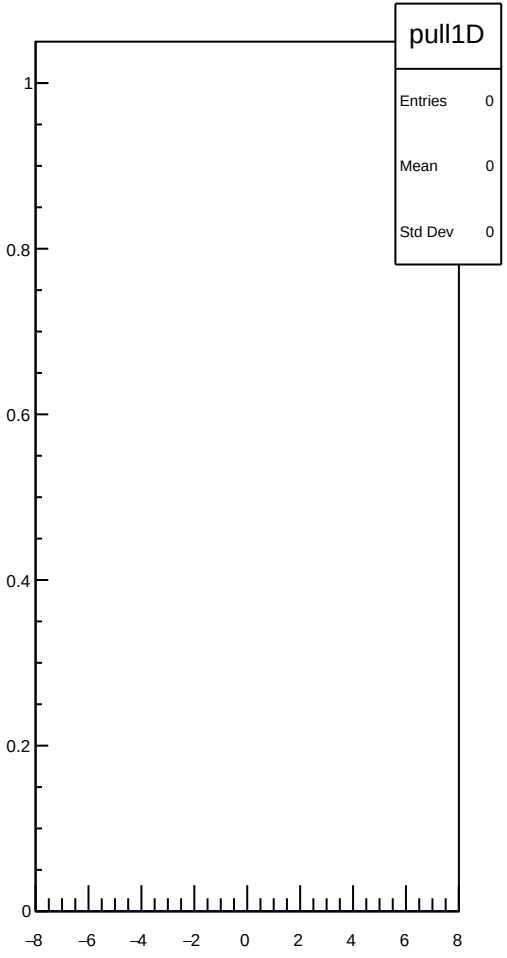

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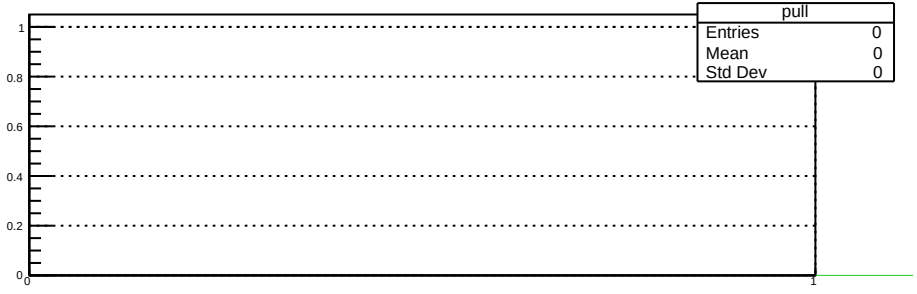

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Std Dev 0
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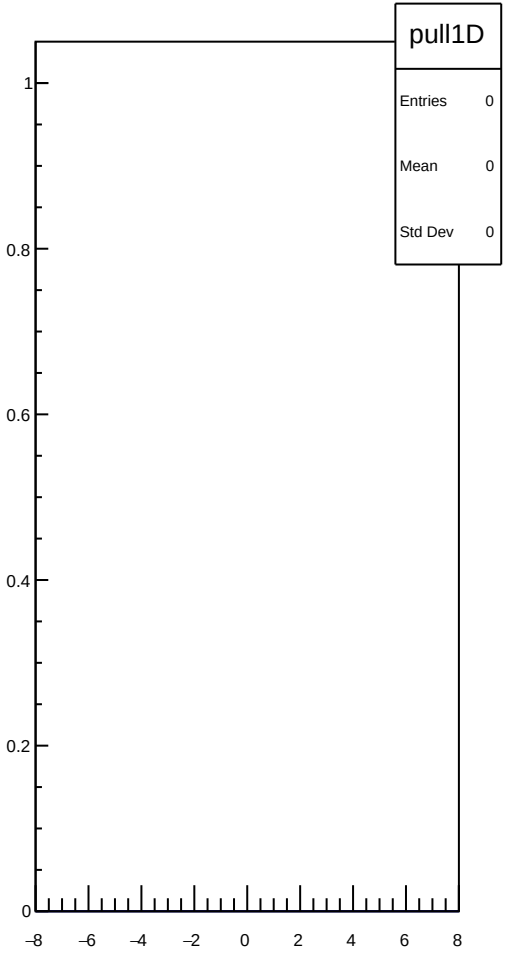

pull
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Std Dev 0
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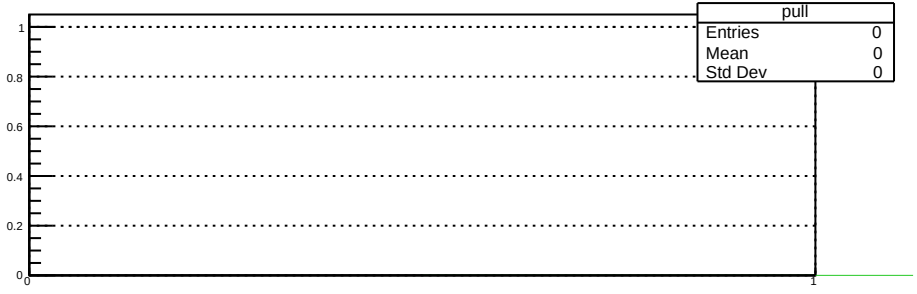

pull1D
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Std Dev 0
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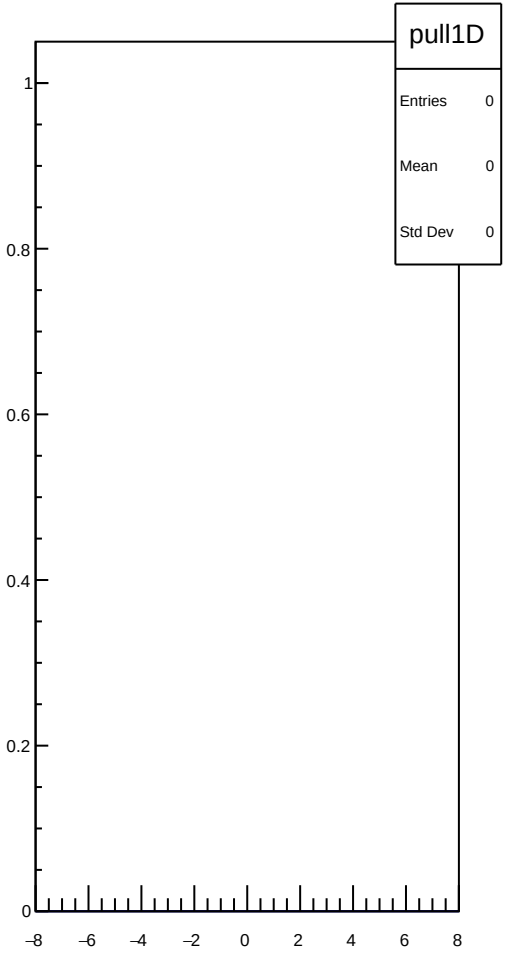

pull
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Mean 0
Std Dev 0
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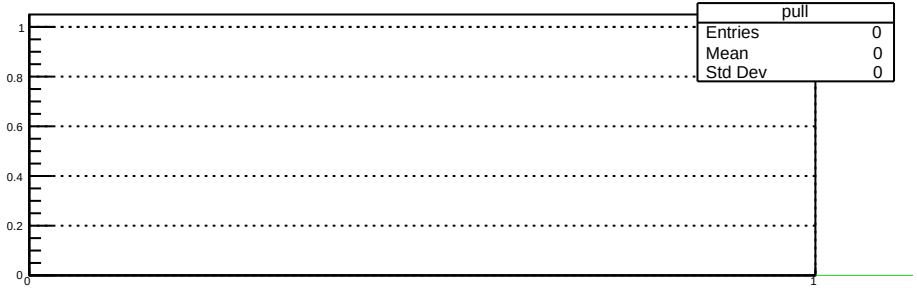

pull1D
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Std Dev 0
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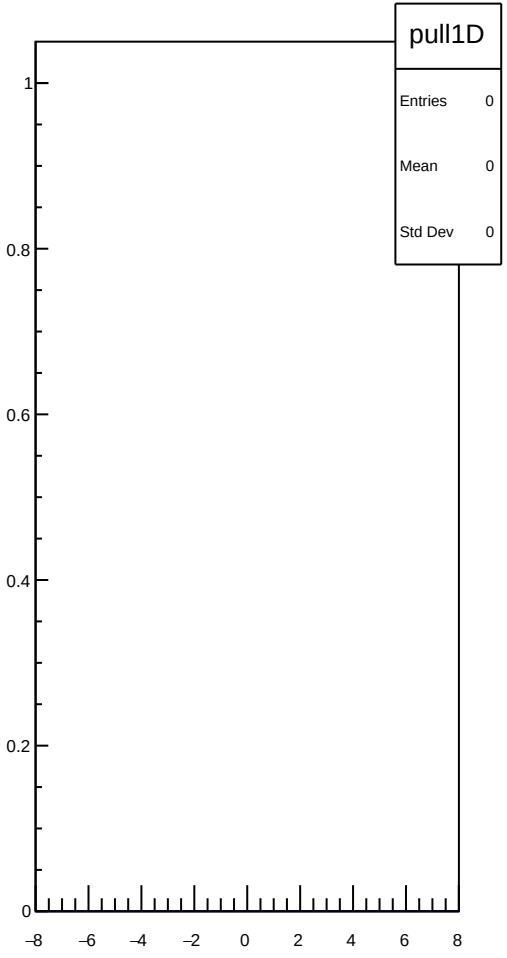

pull
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Std Dev 0
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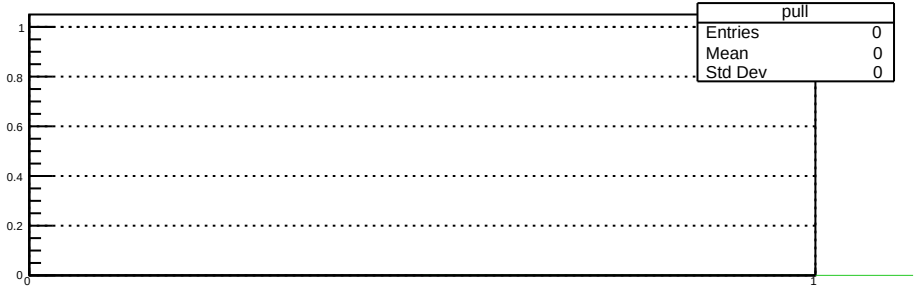

pull1D
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Std Dev 0
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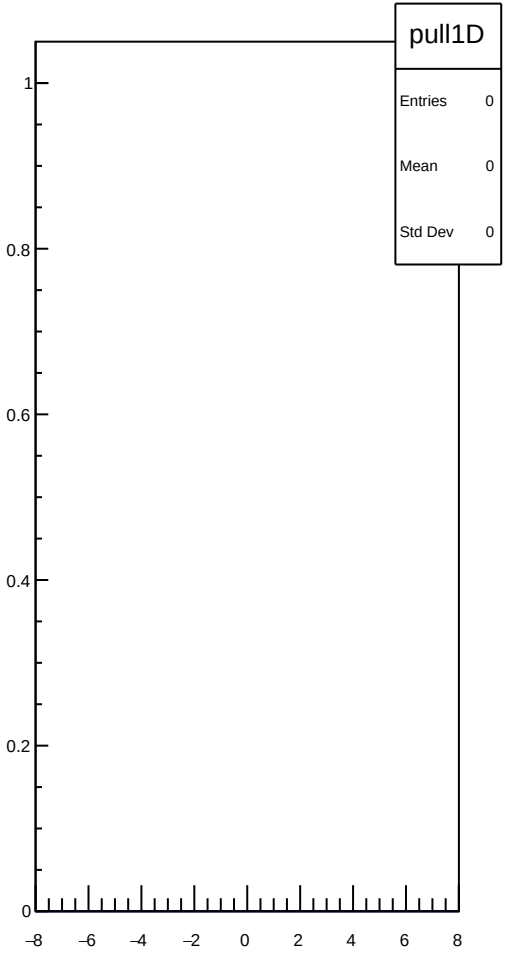

pull
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Std Dev 0
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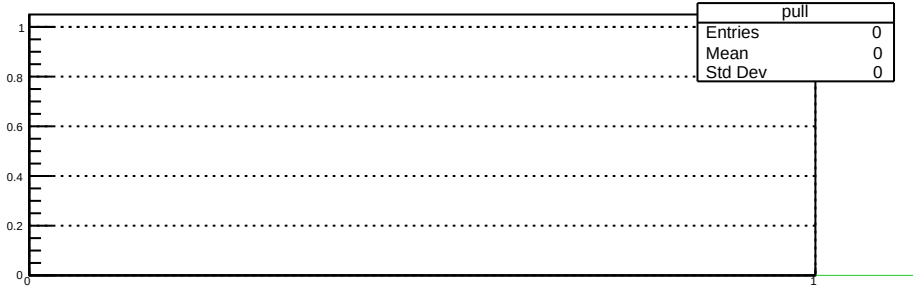

pull1D
Entries 0
Mean 0
Std Dev 0
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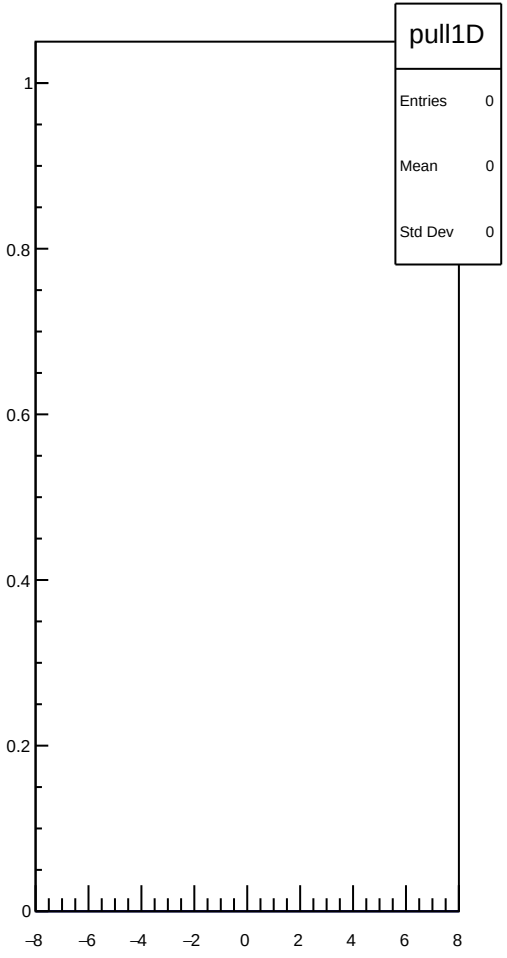

pull
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Mean 0
Std Dev 0
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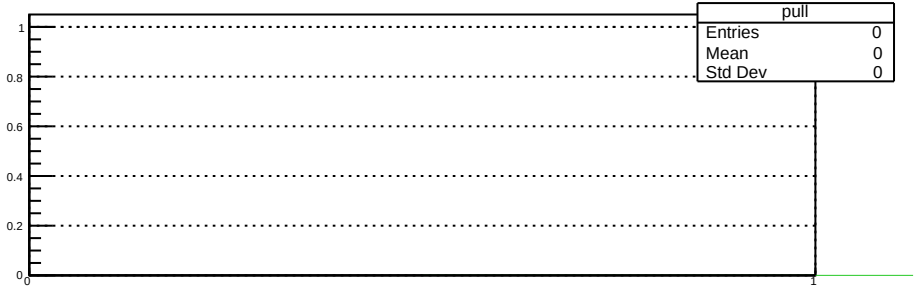

pull1D
Entries 0
Mean 0
Std Dev 0
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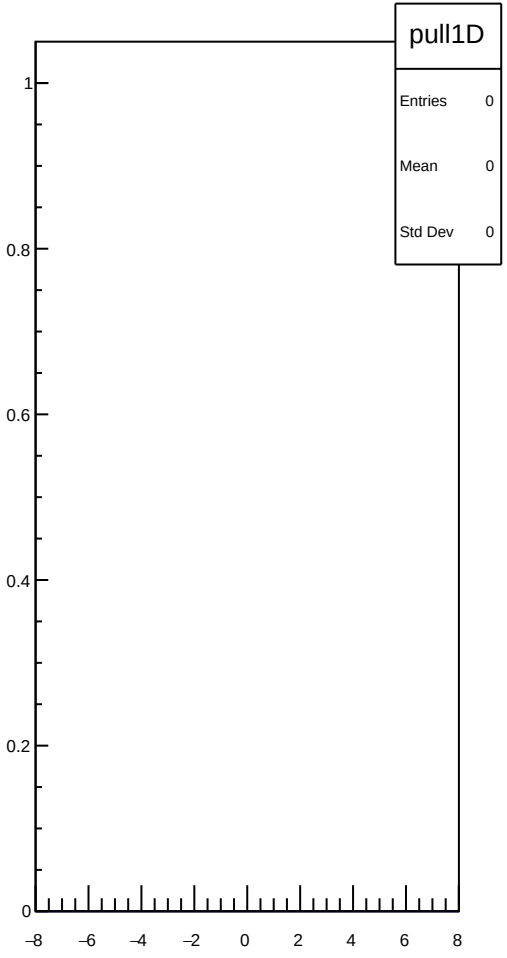

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
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0
1

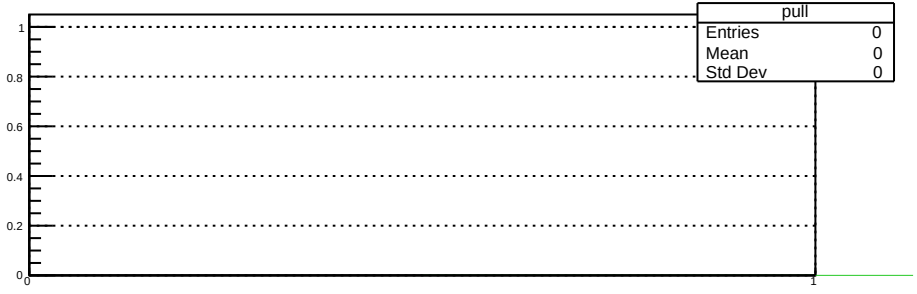

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
–6
–4
–2
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6
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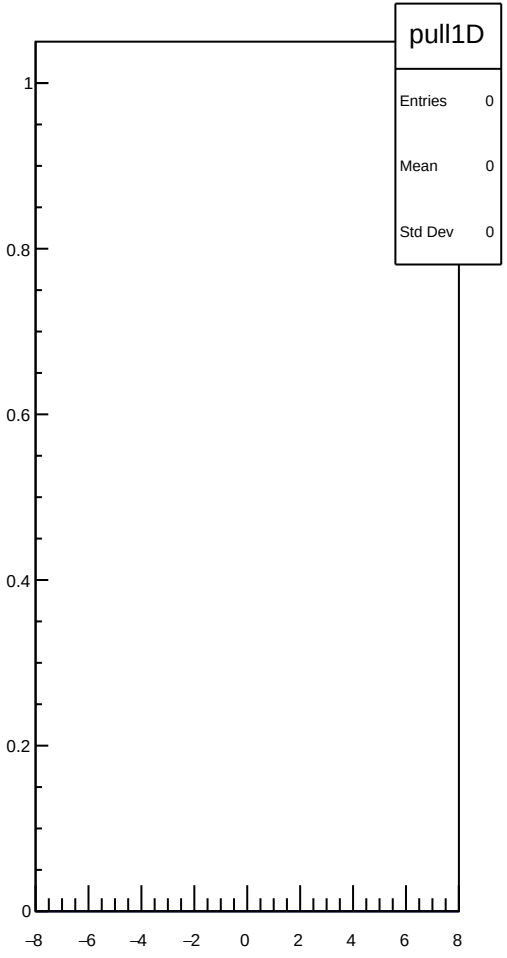

pull
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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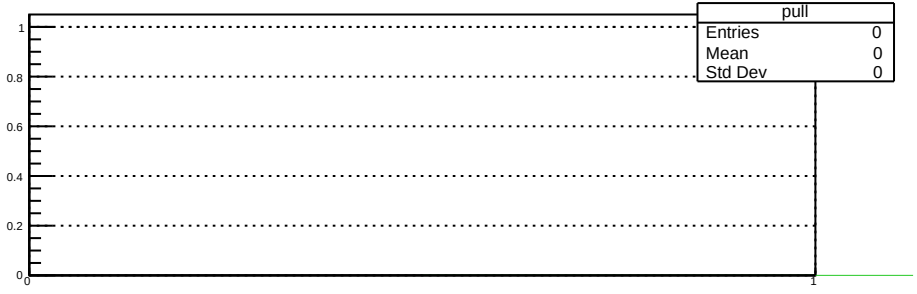

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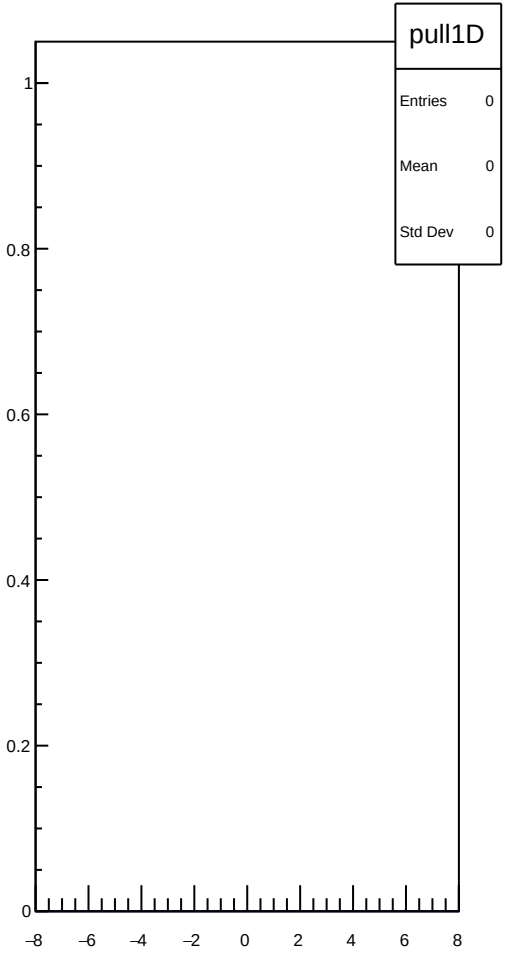

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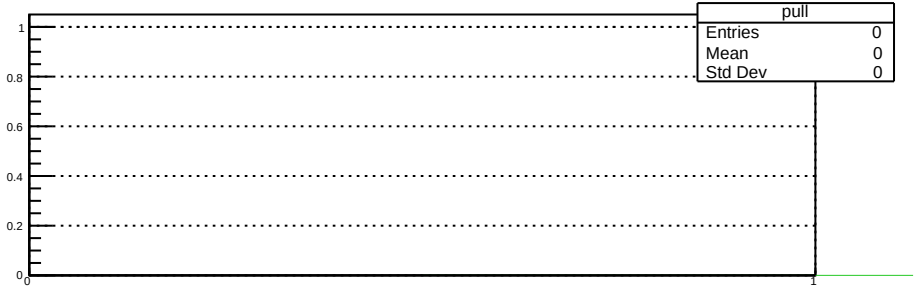

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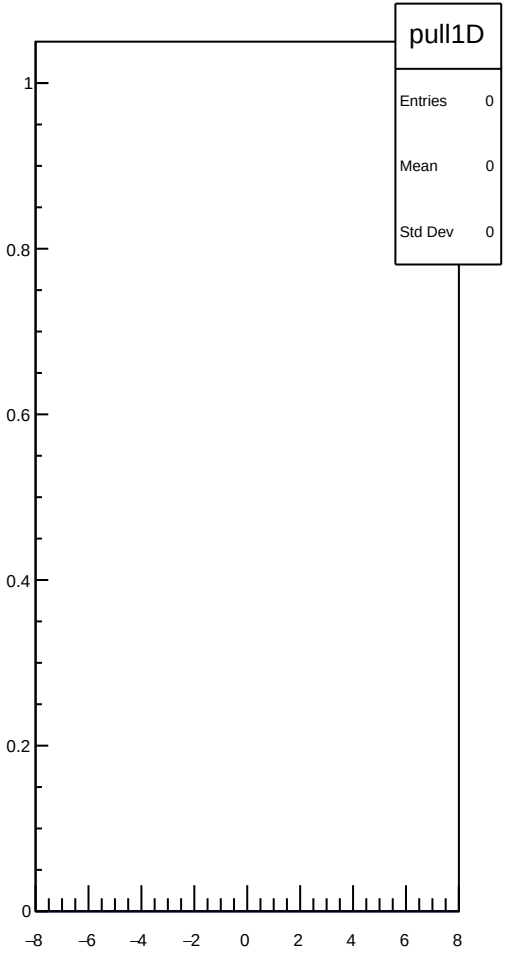

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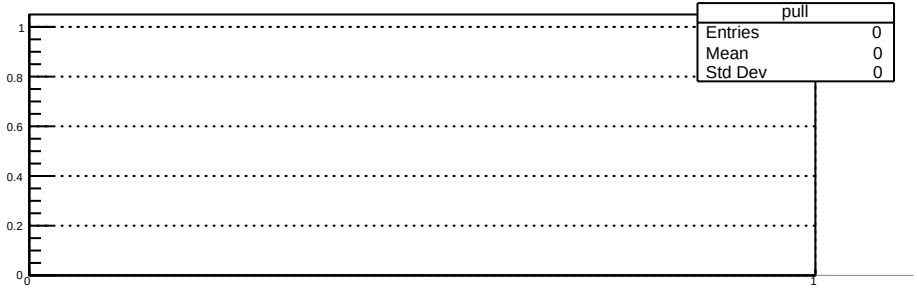

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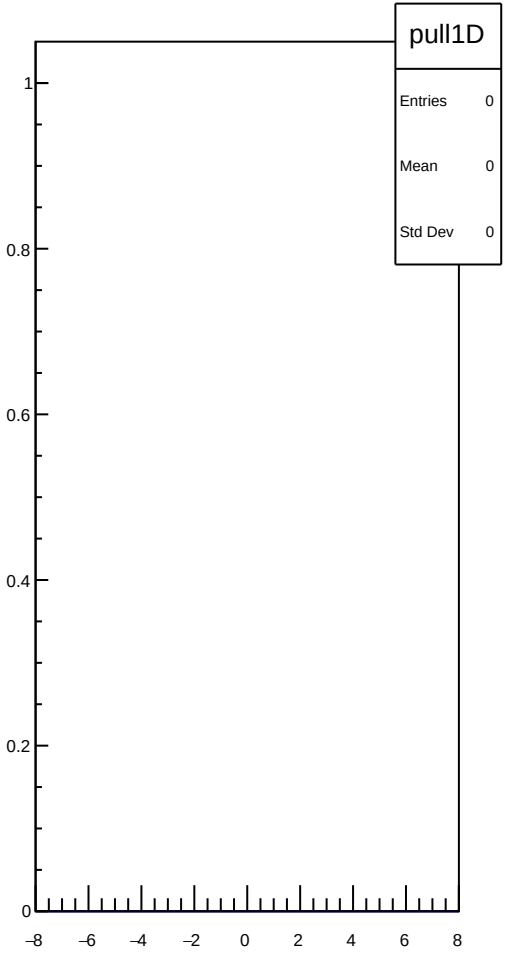

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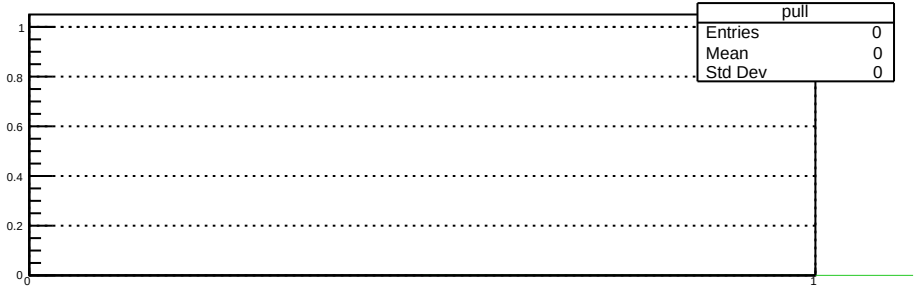

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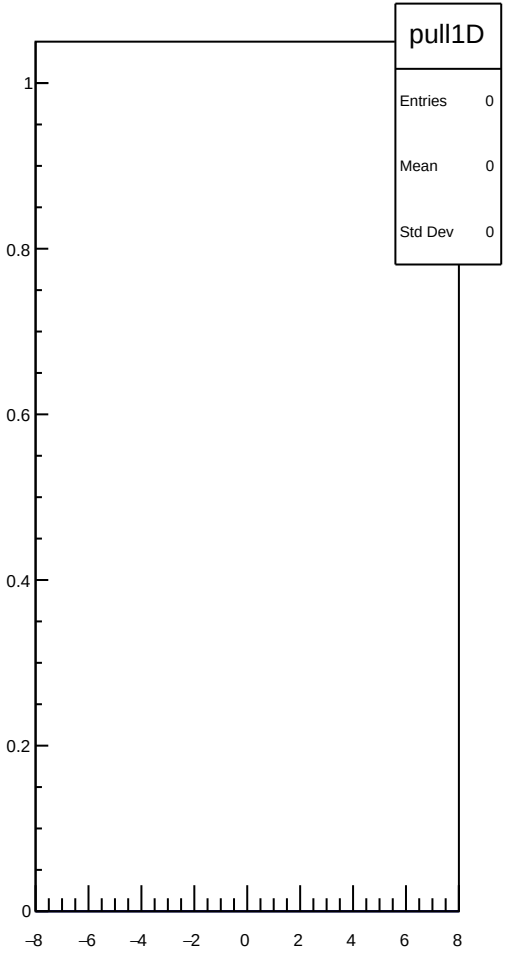

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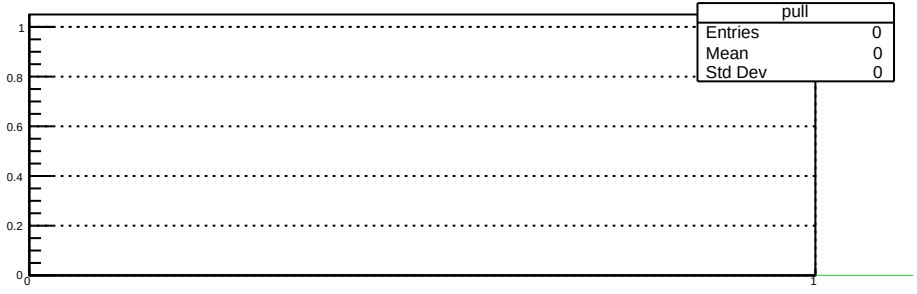

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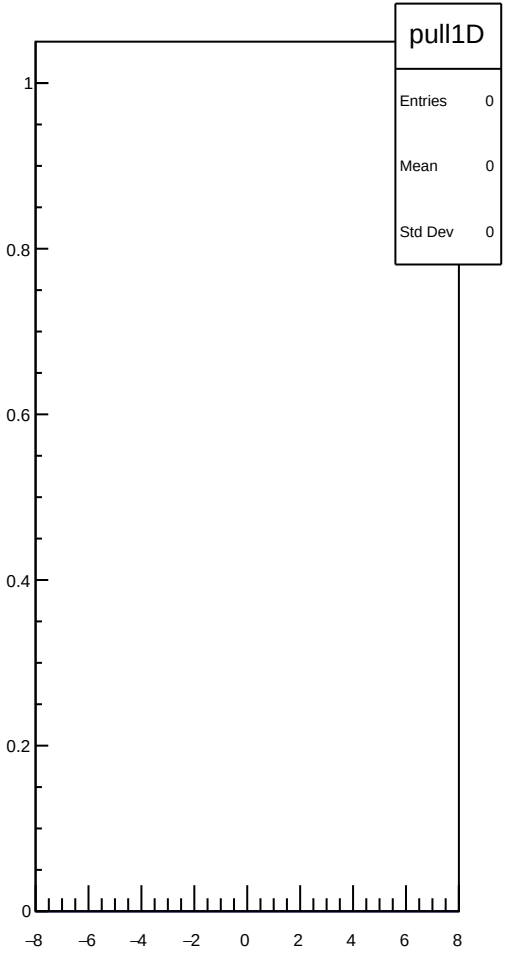

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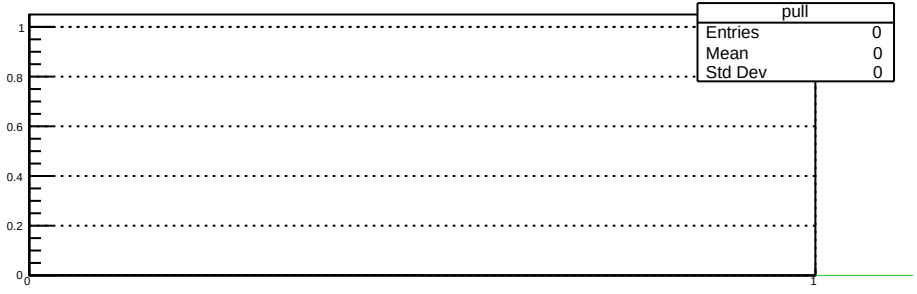

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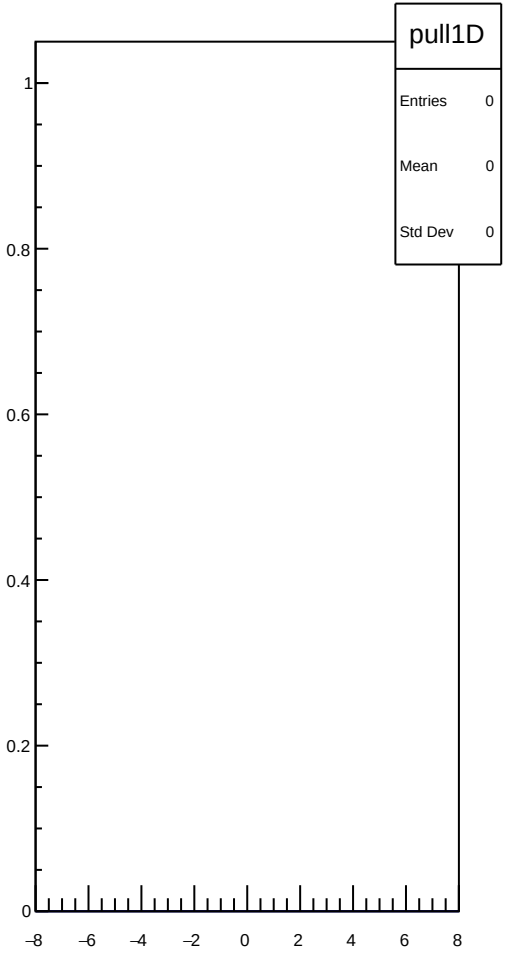

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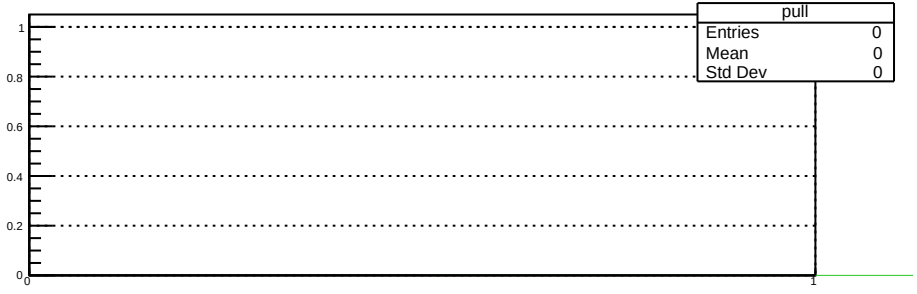

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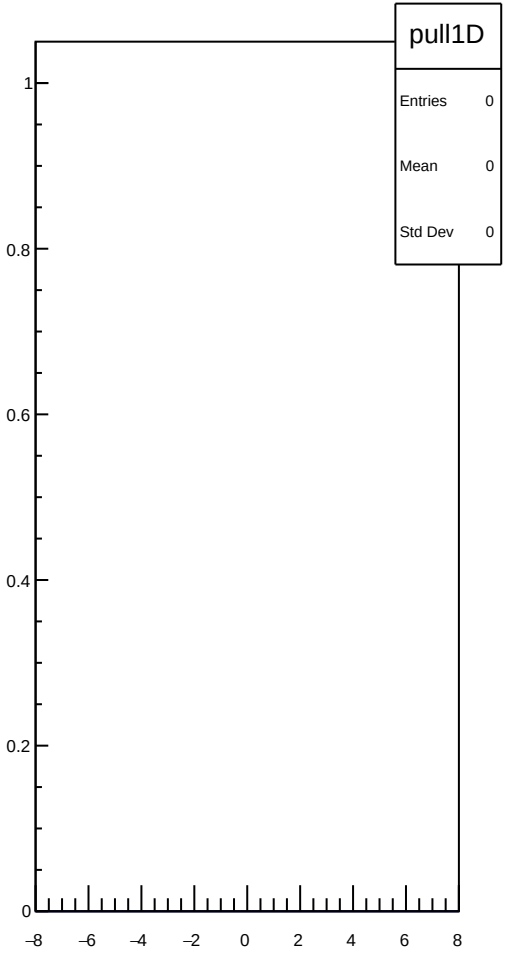

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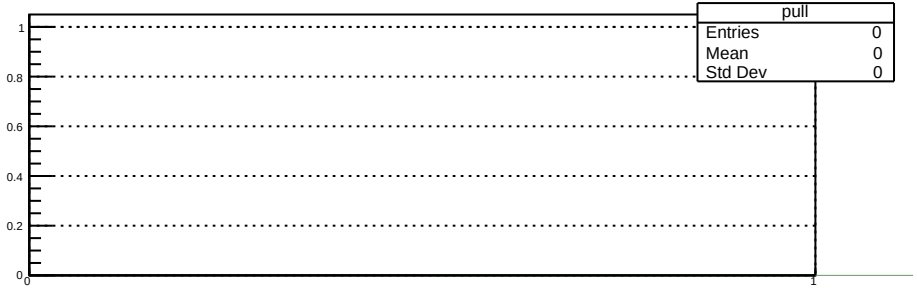

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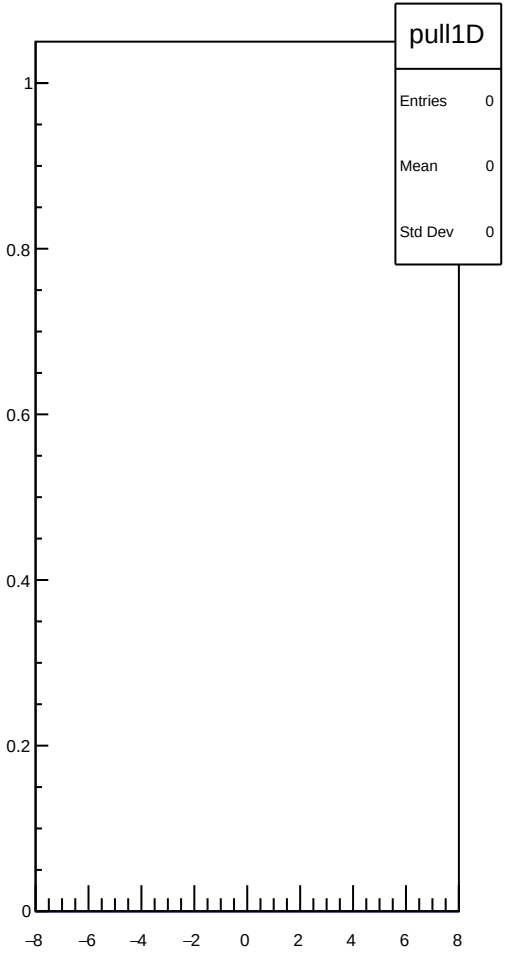

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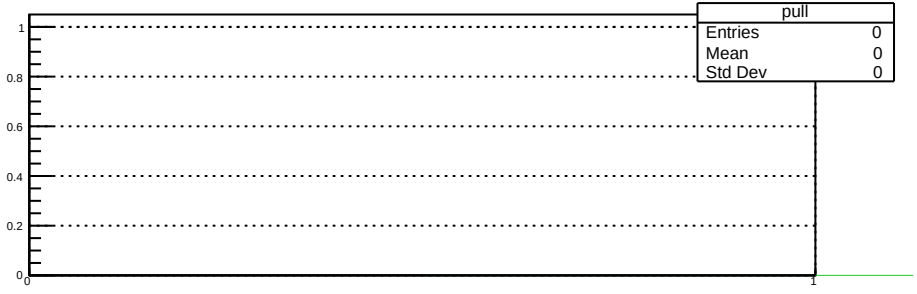

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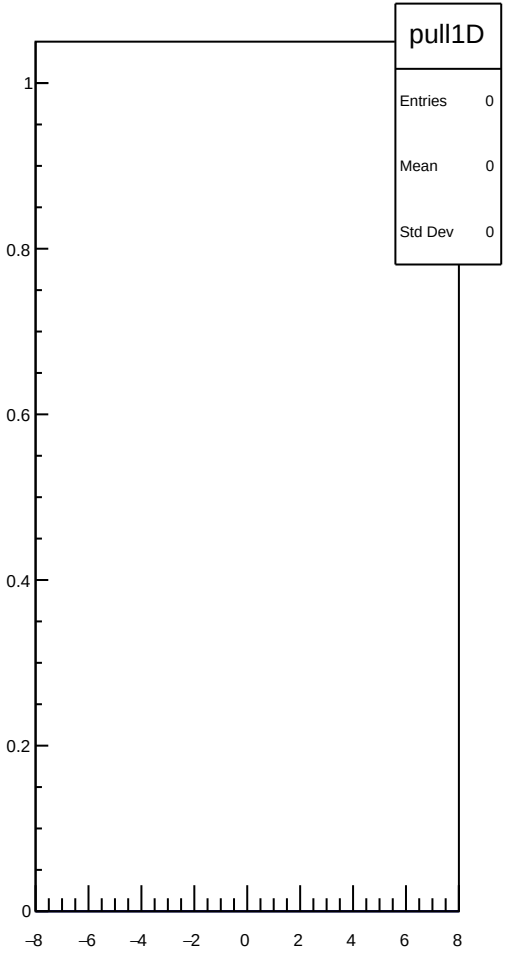

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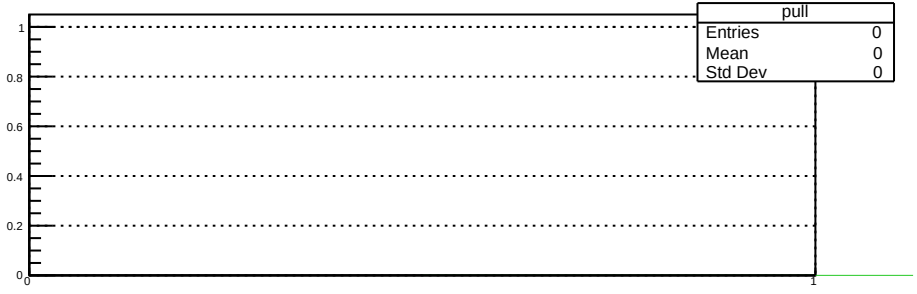

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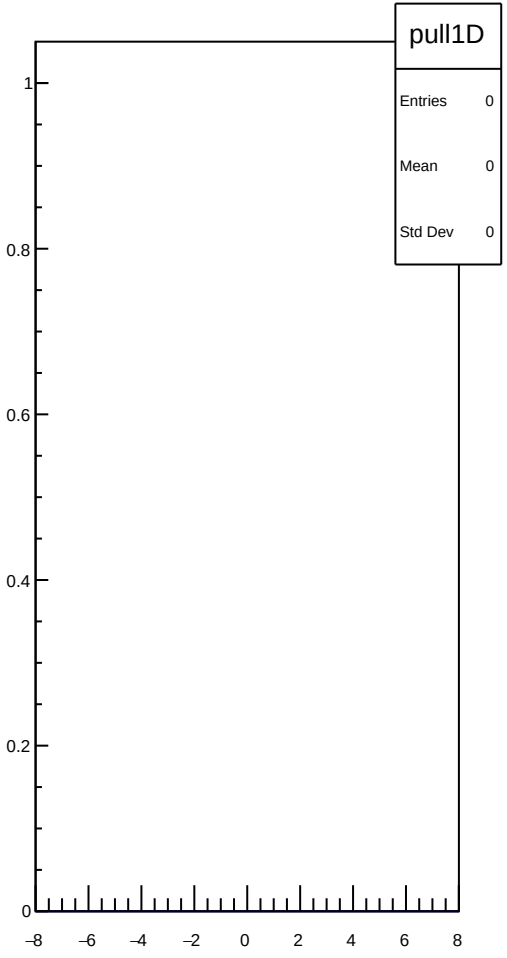

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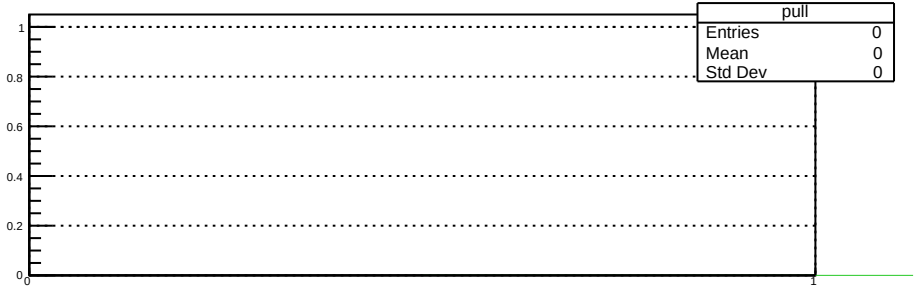

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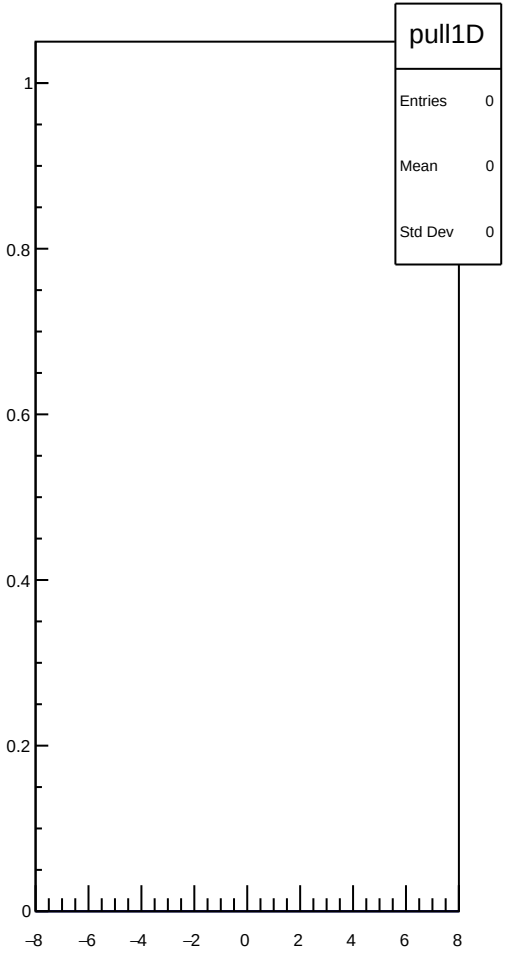

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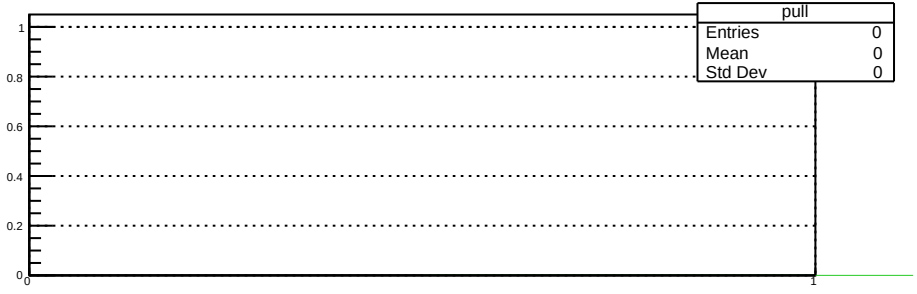

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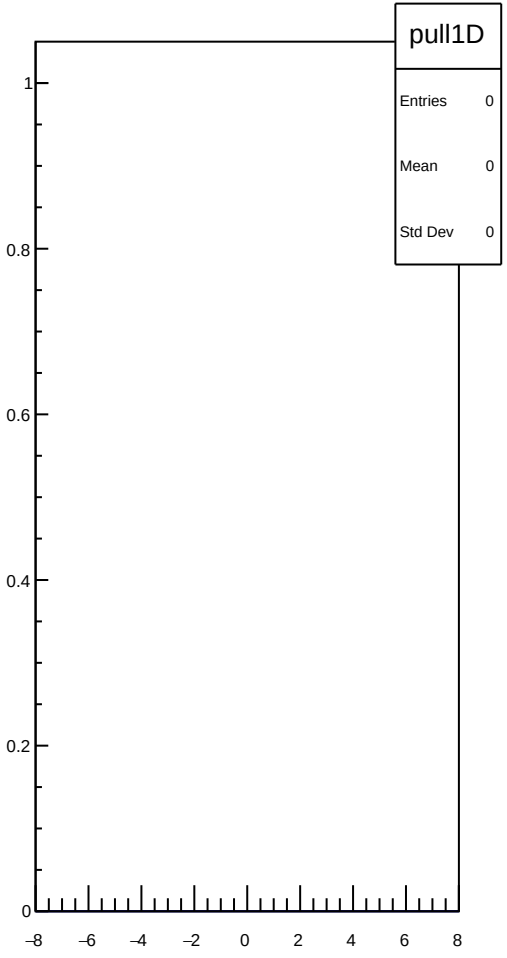

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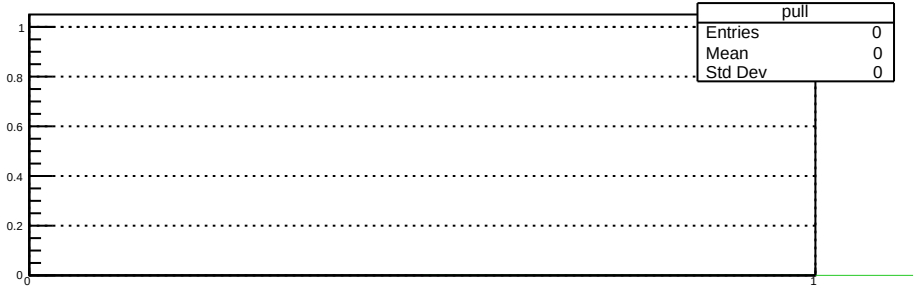

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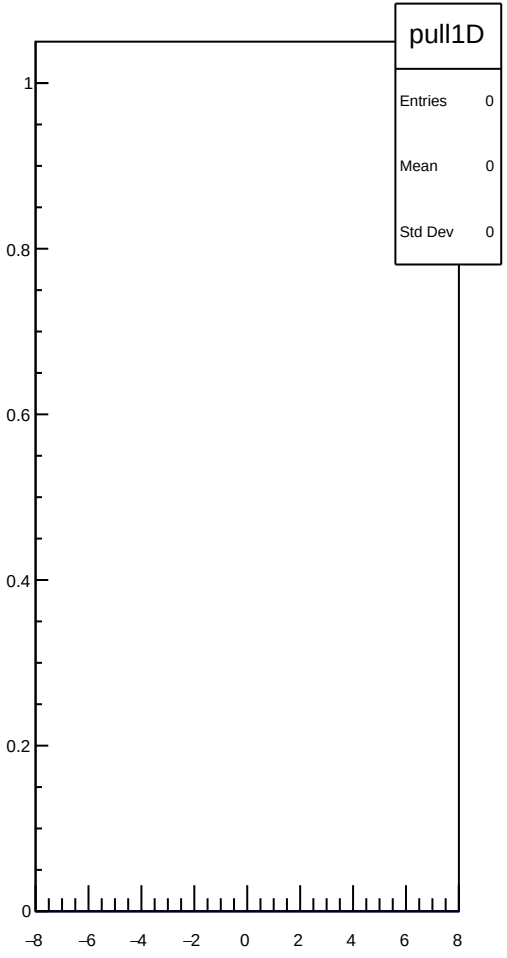

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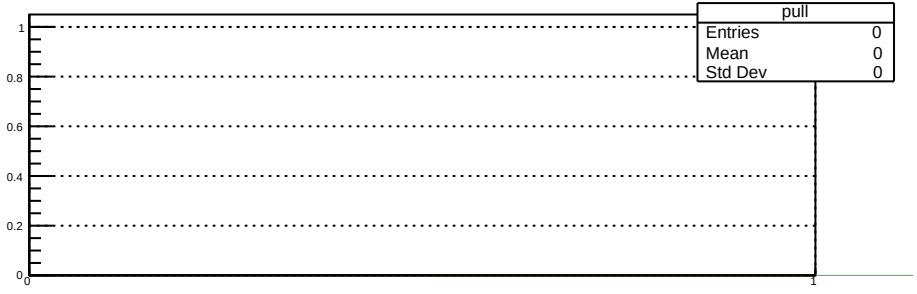

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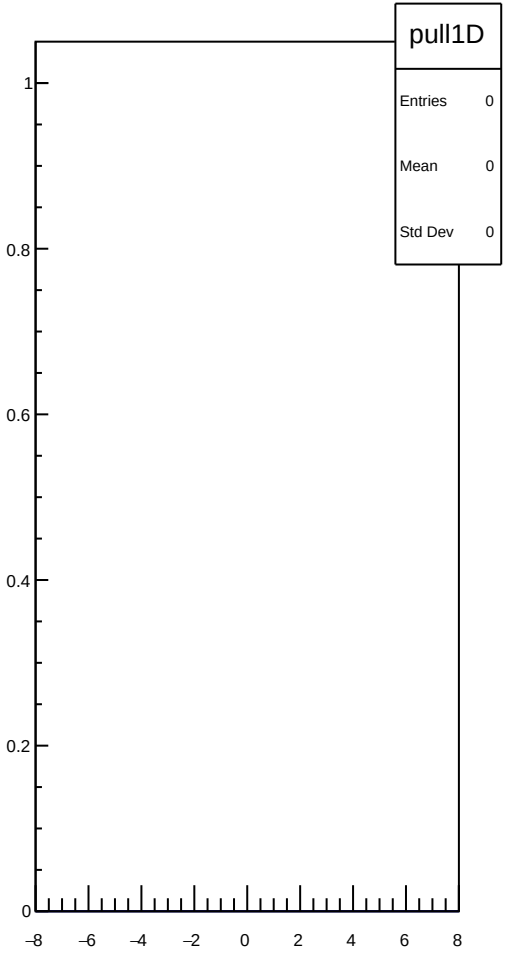

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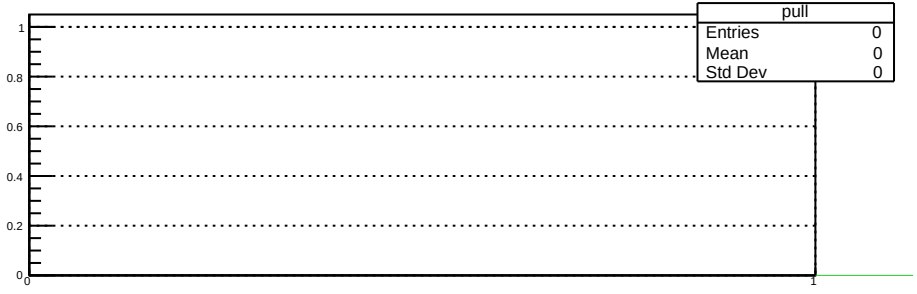

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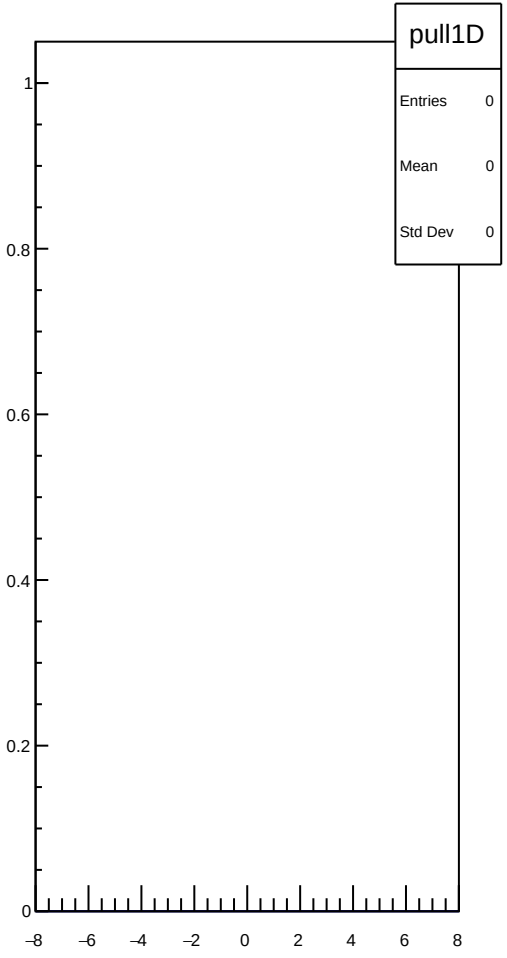

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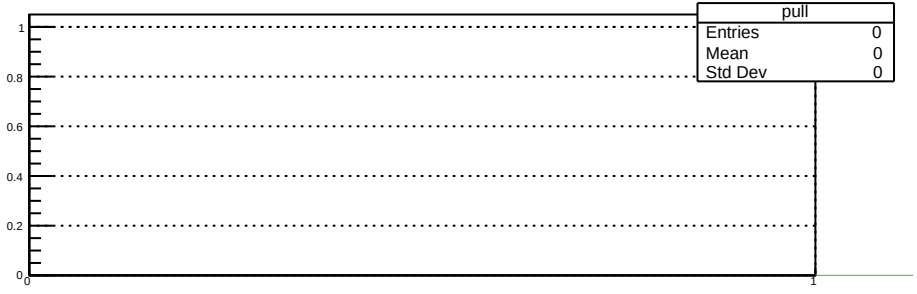

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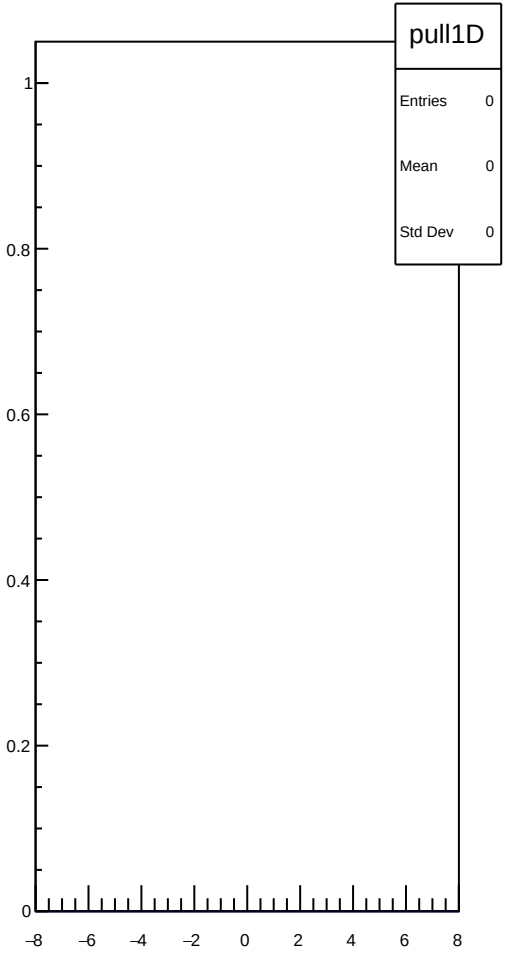

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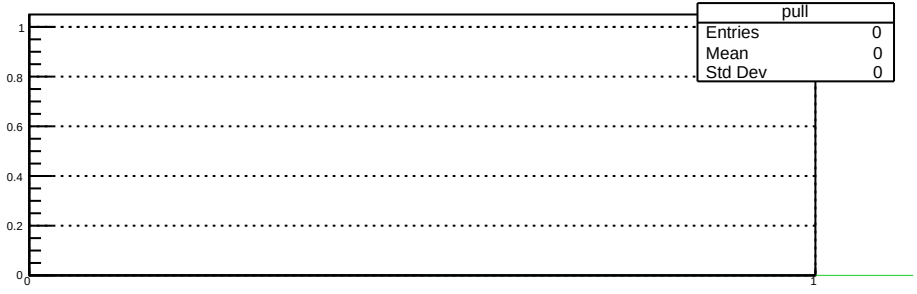

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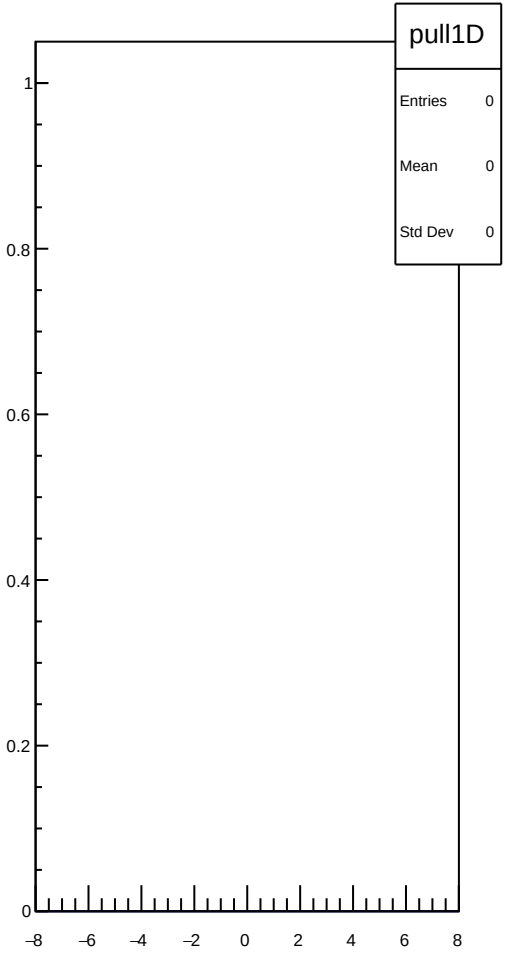

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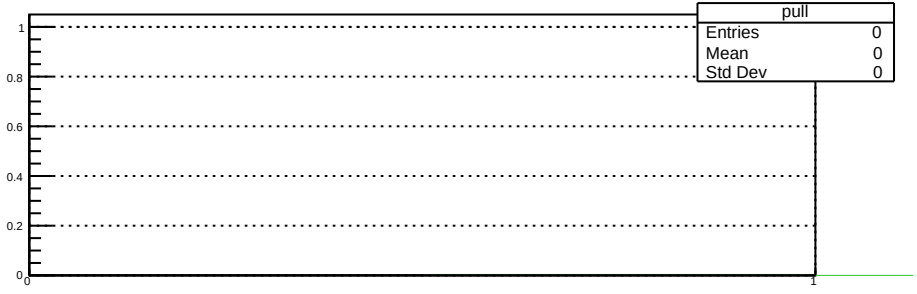

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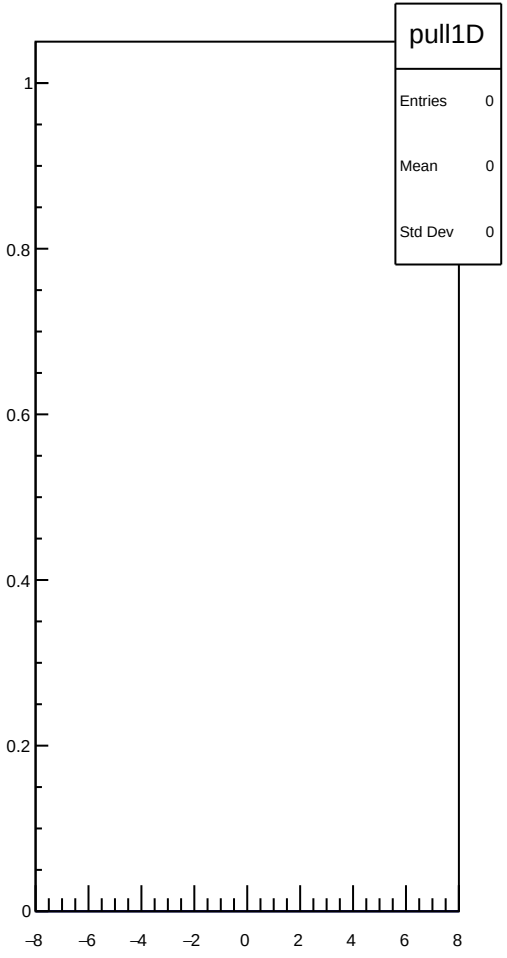

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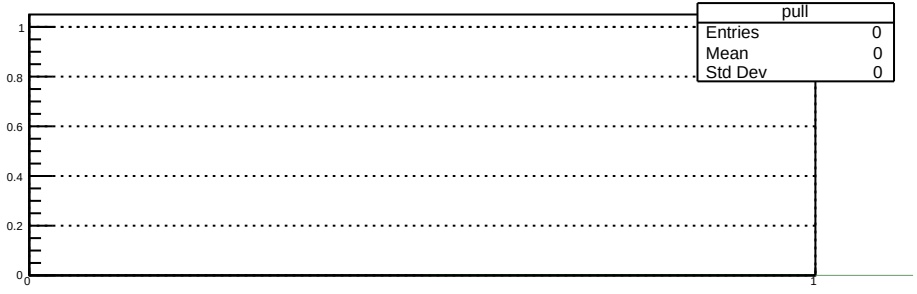

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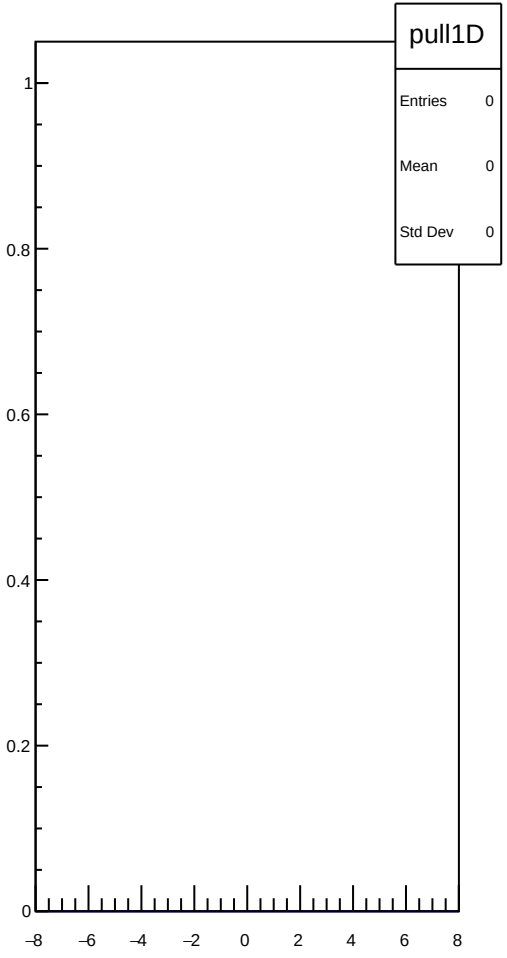

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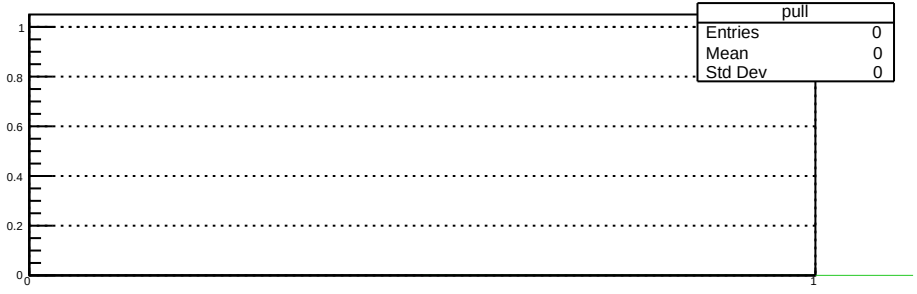

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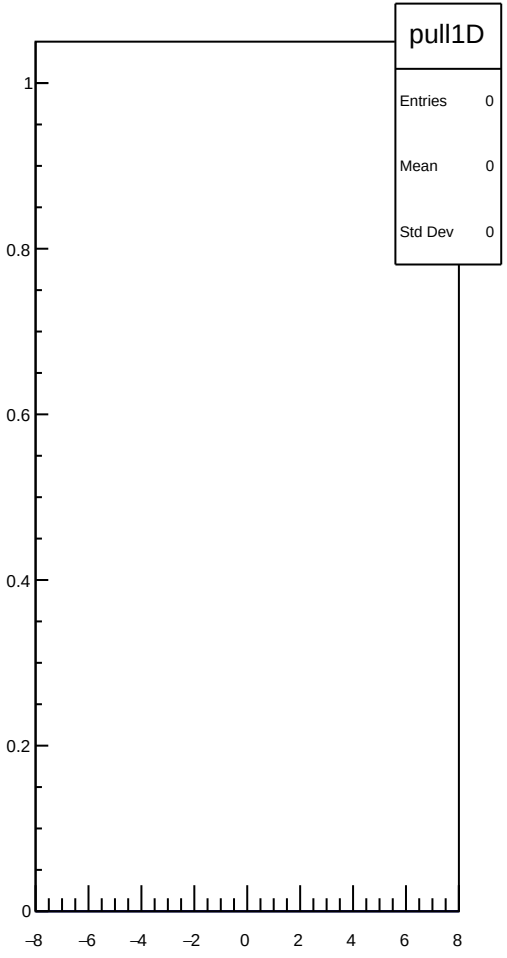

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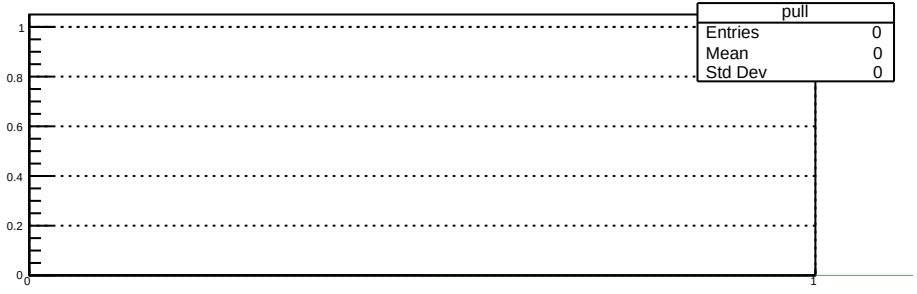

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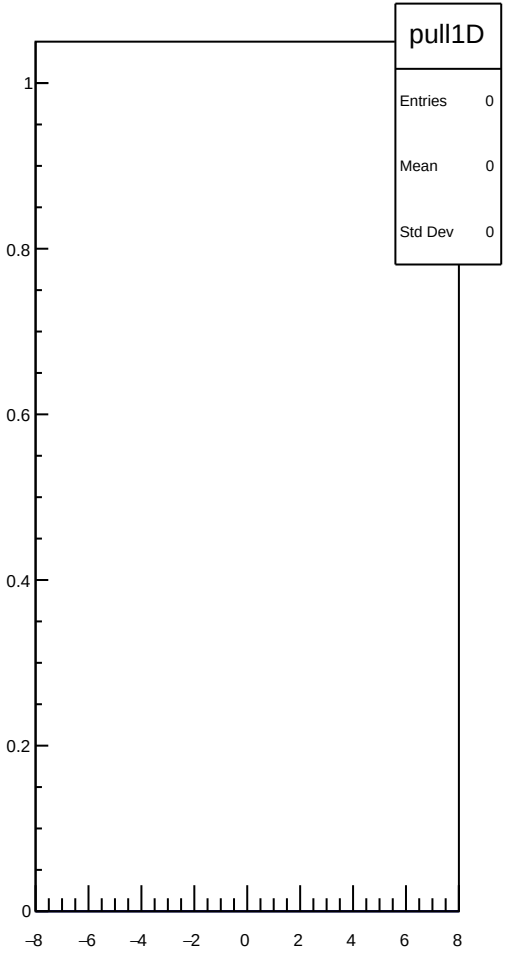

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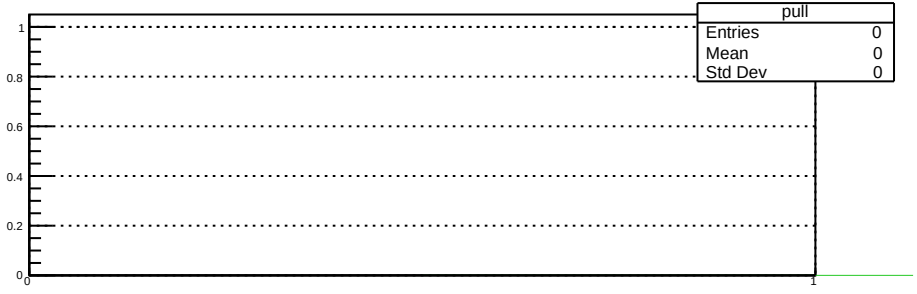

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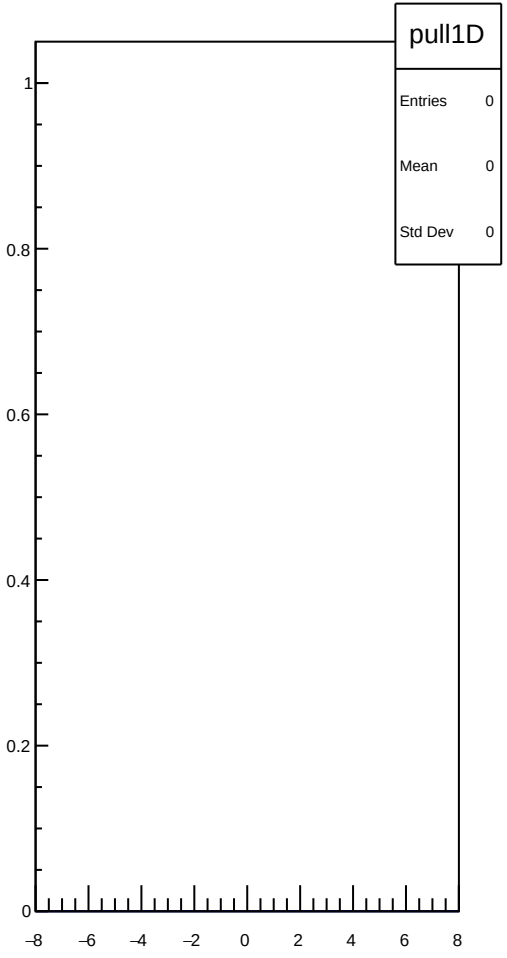

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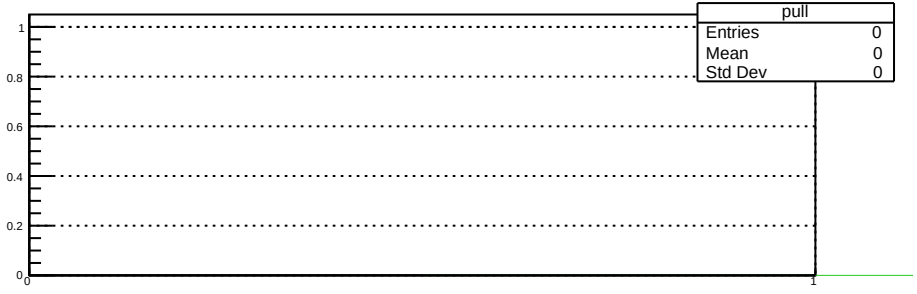

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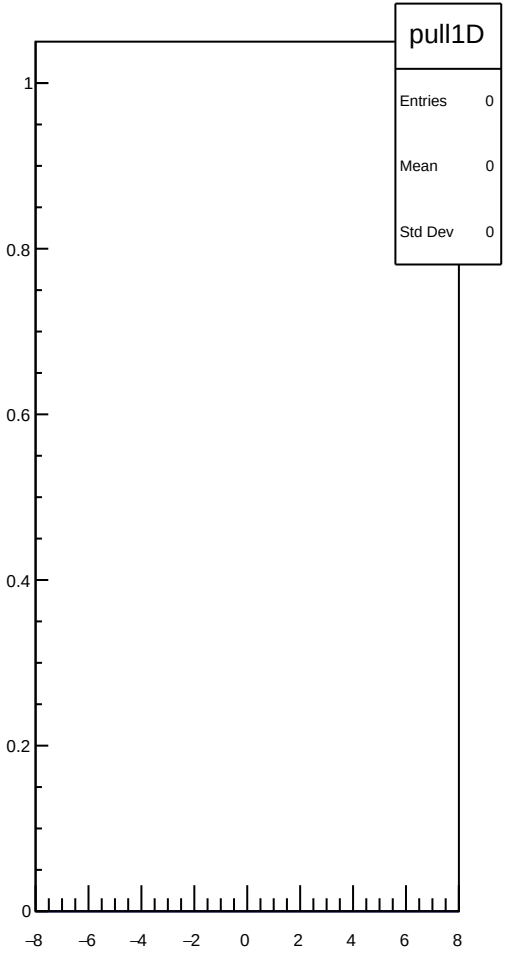

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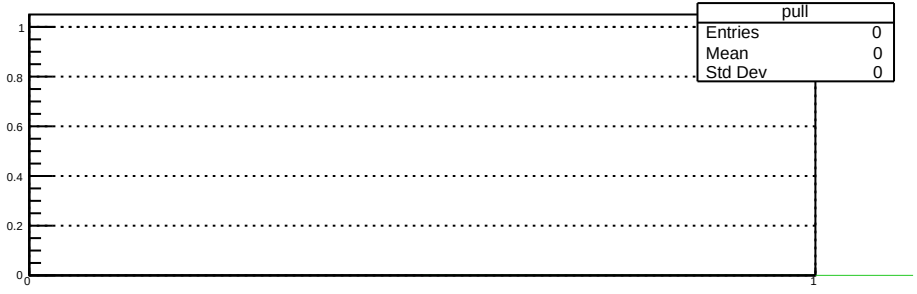

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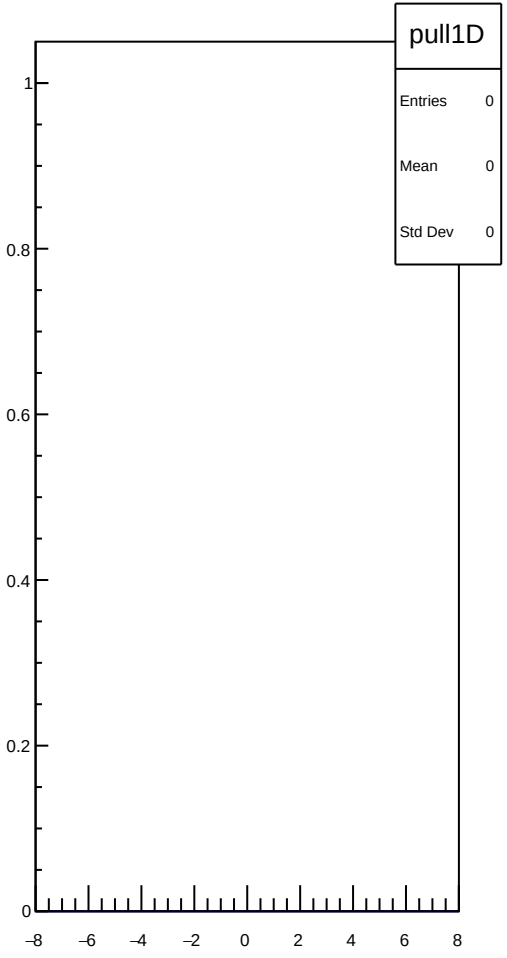

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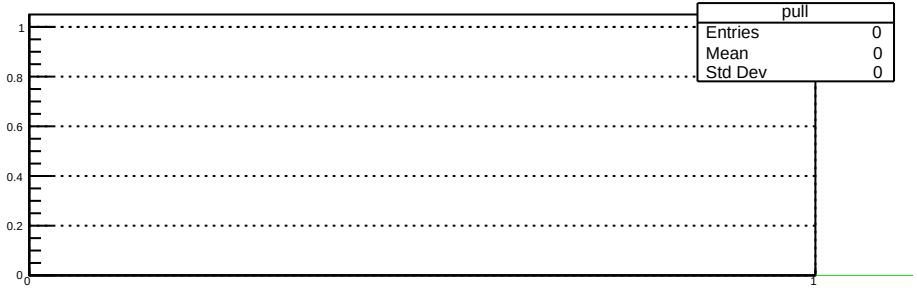

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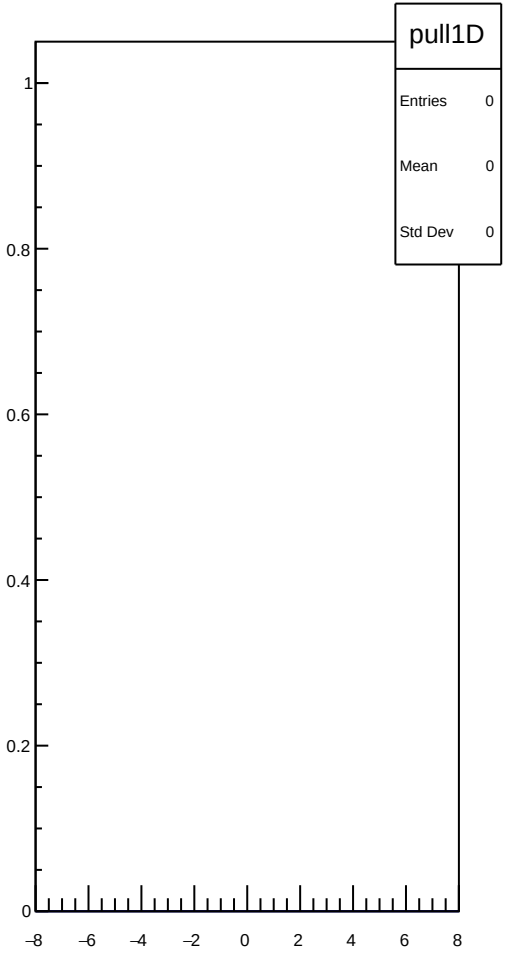

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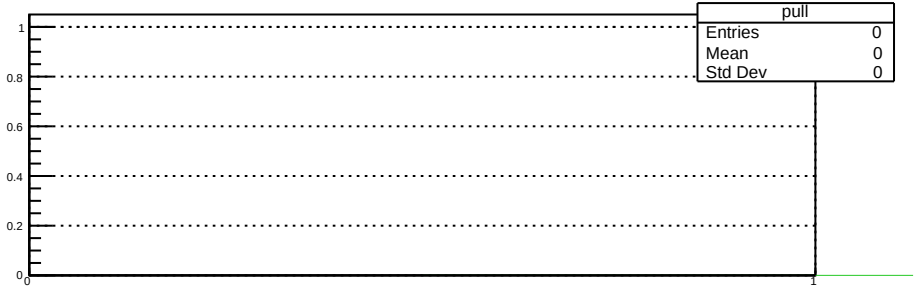

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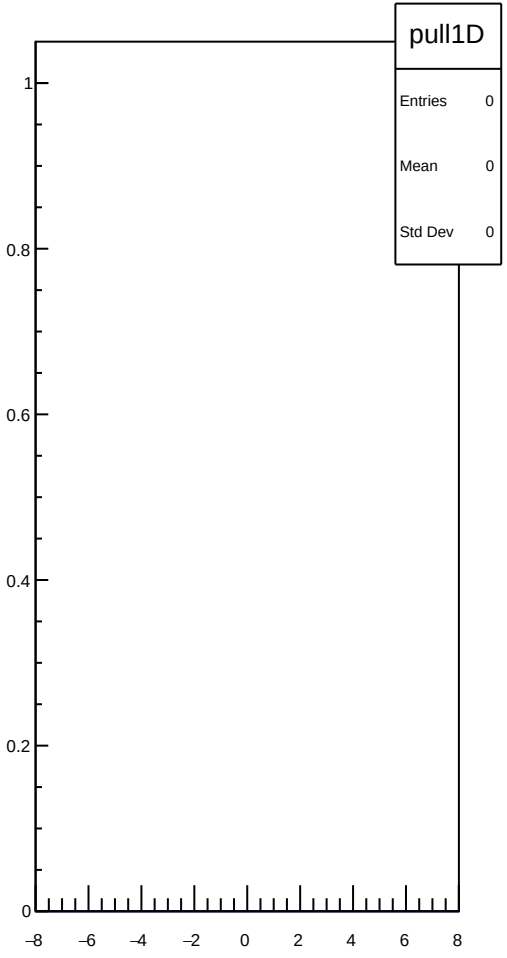

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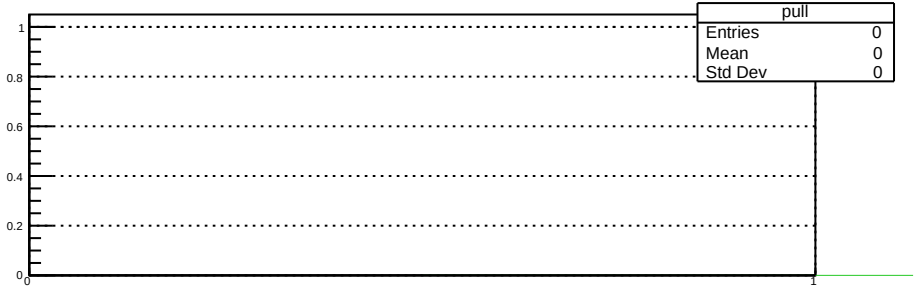

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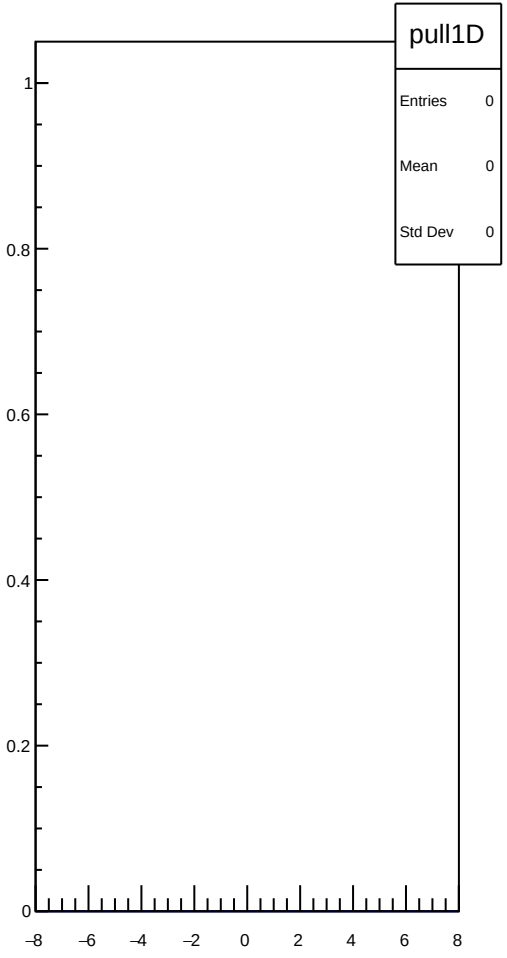

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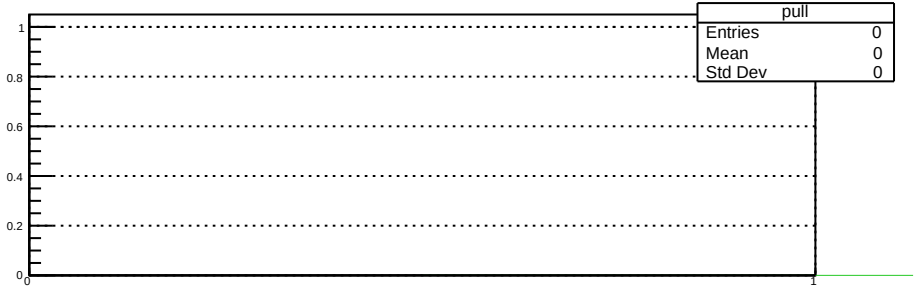

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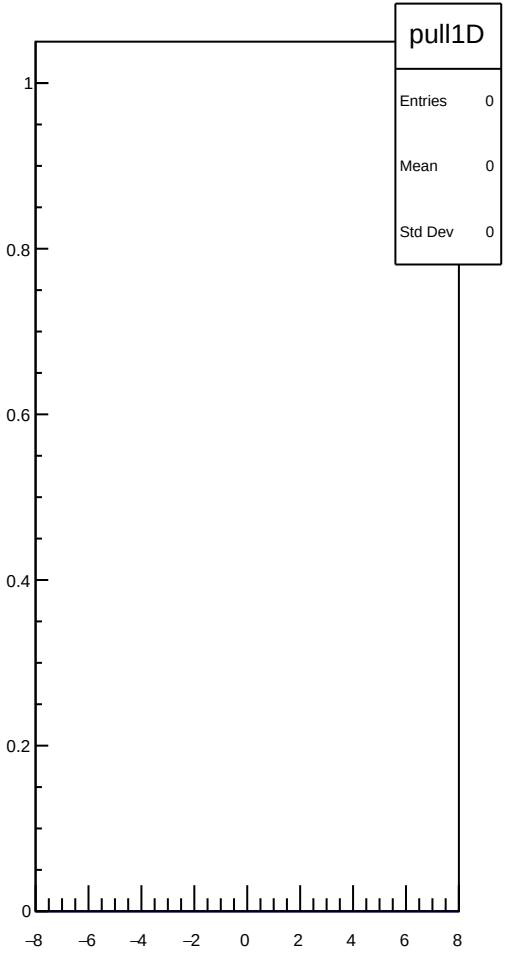

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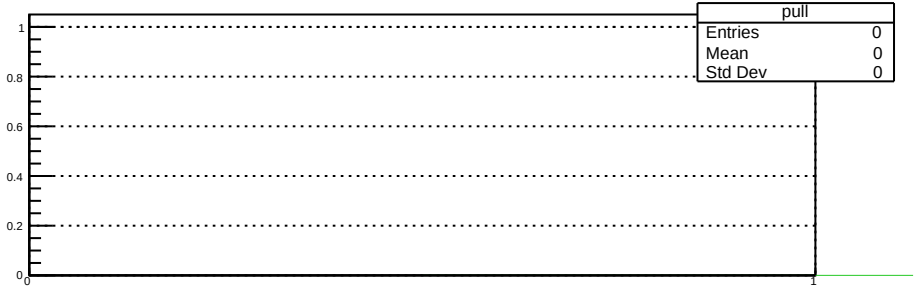

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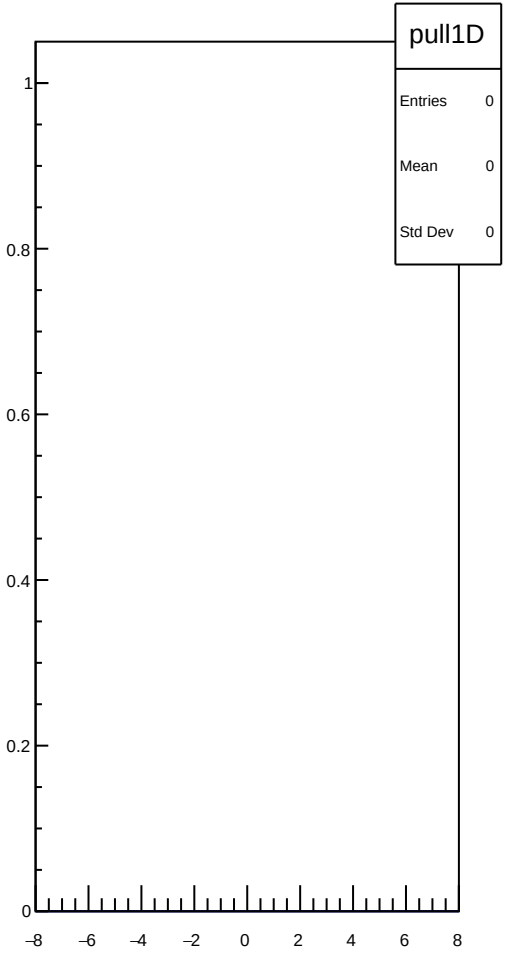

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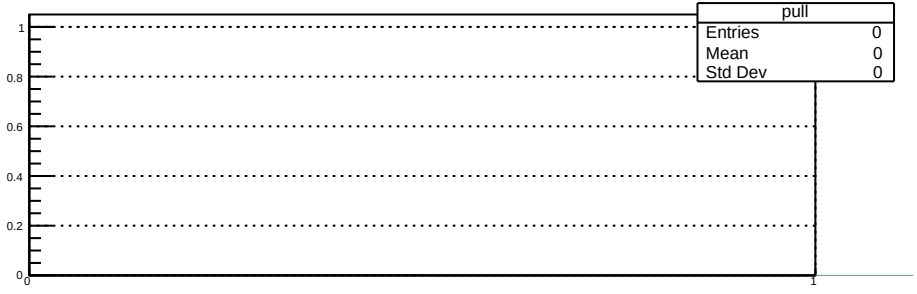

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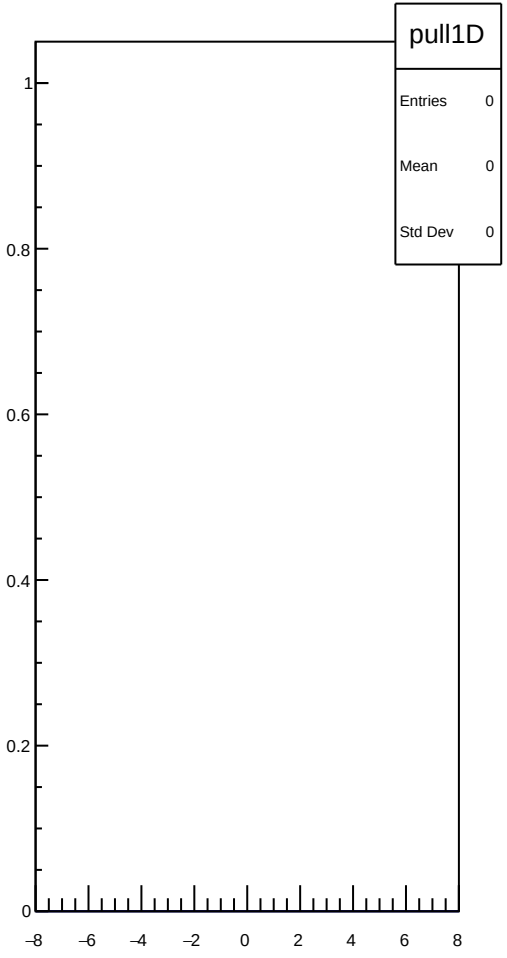

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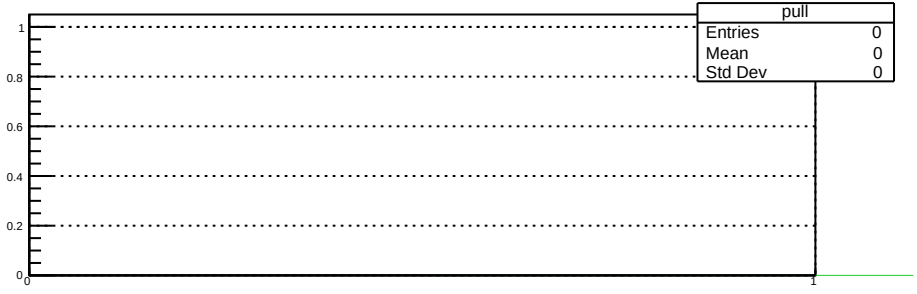

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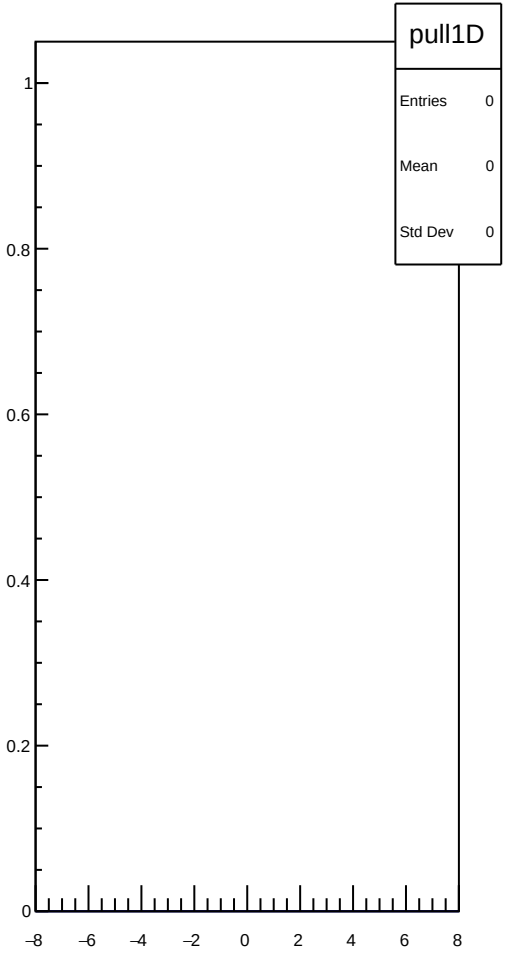

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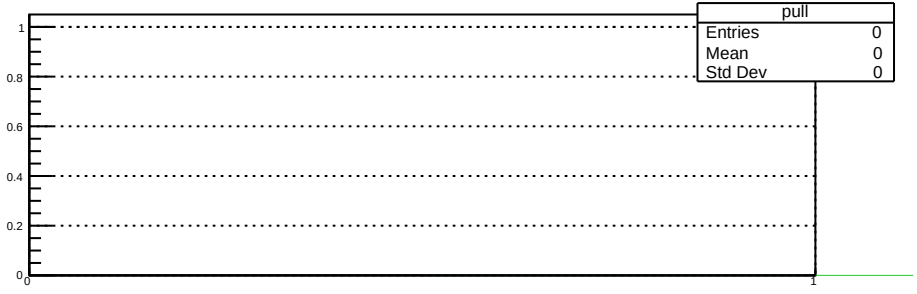

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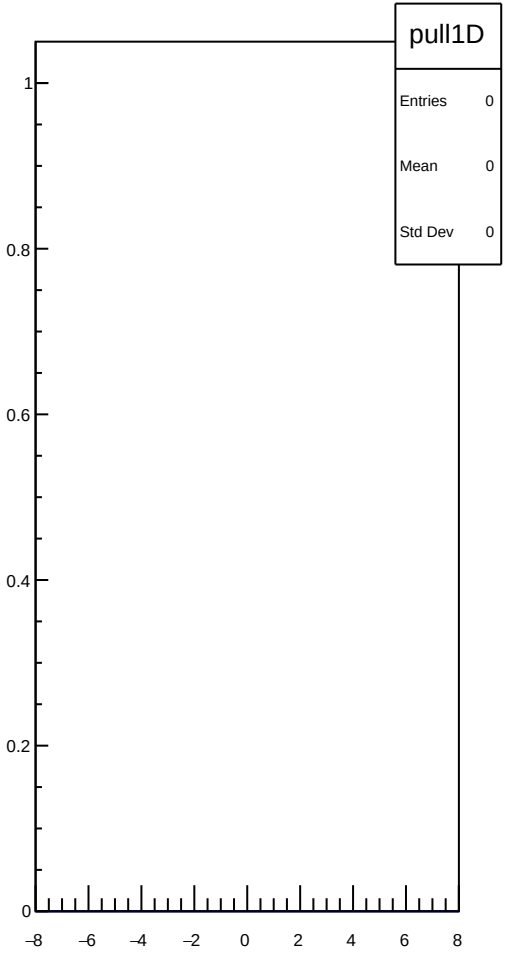

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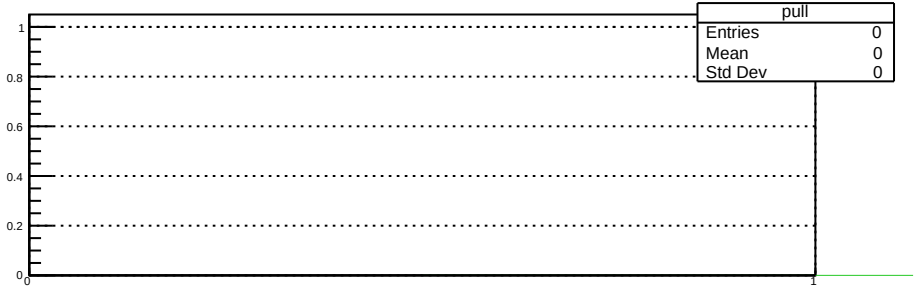

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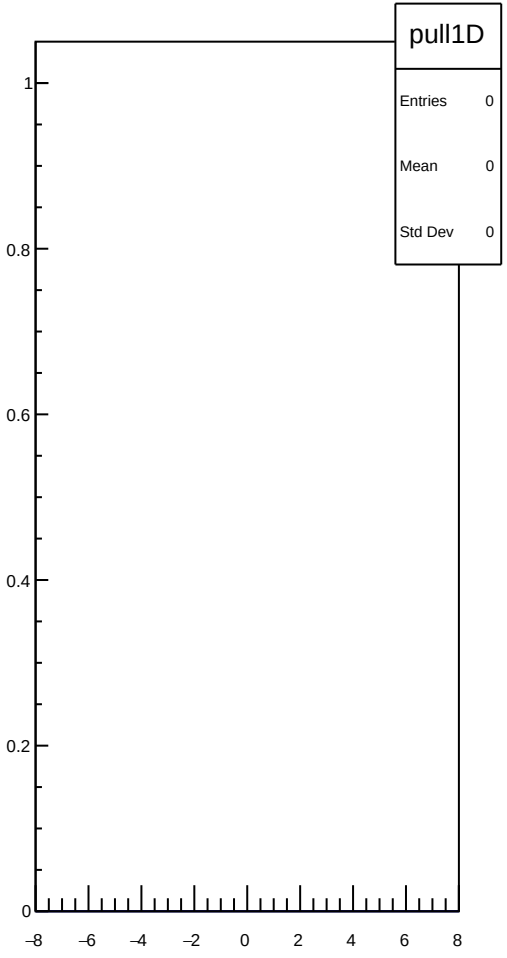

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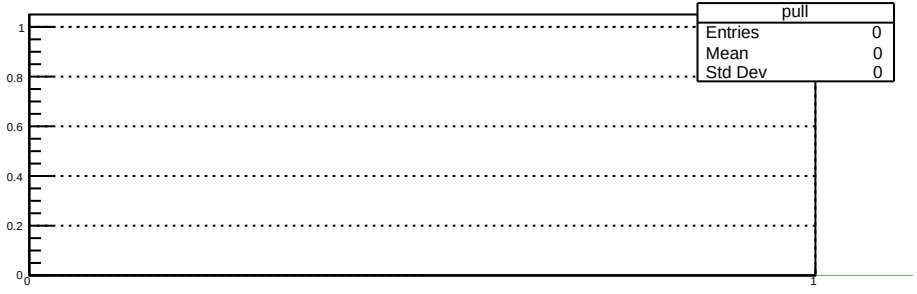

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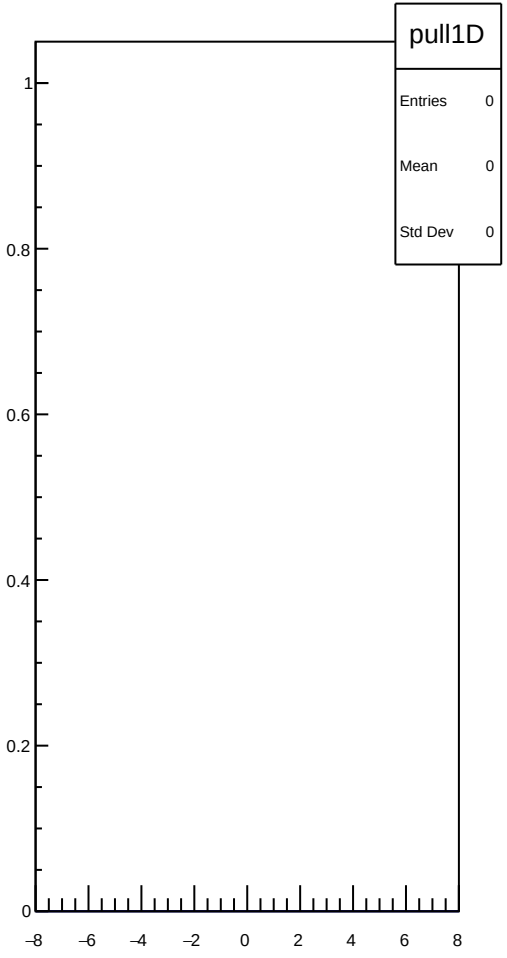

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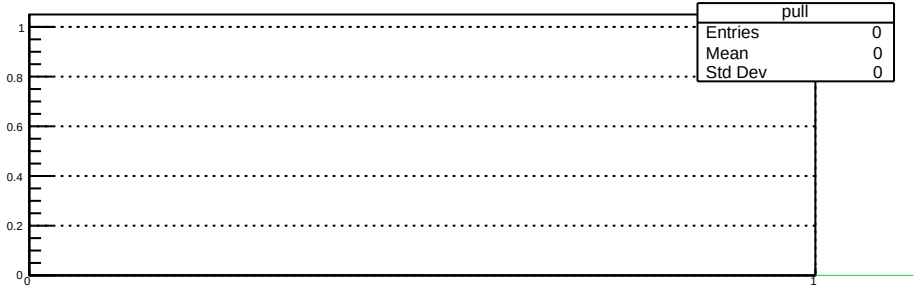

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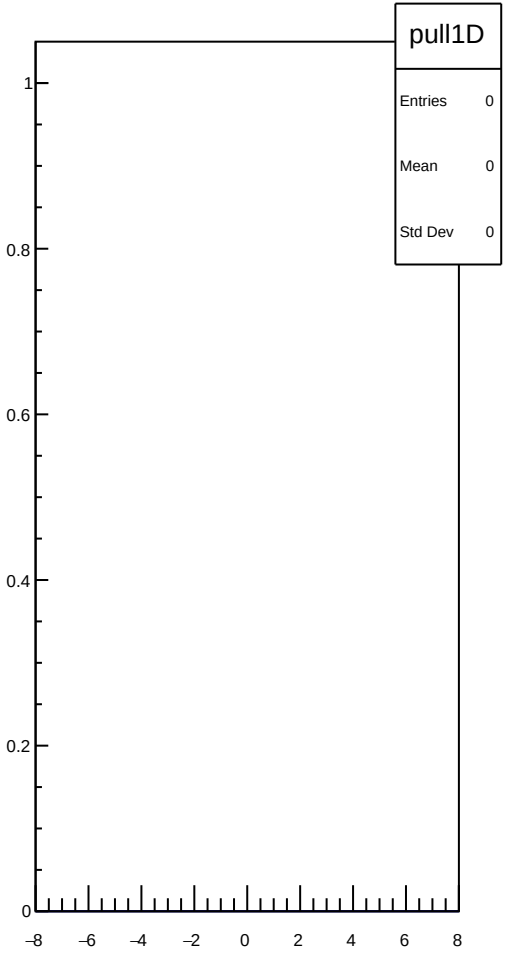

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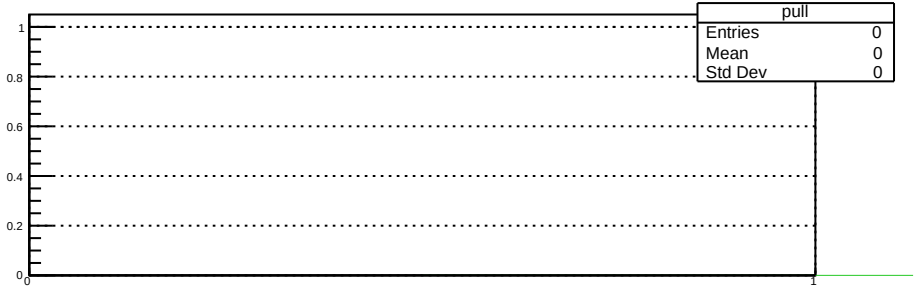

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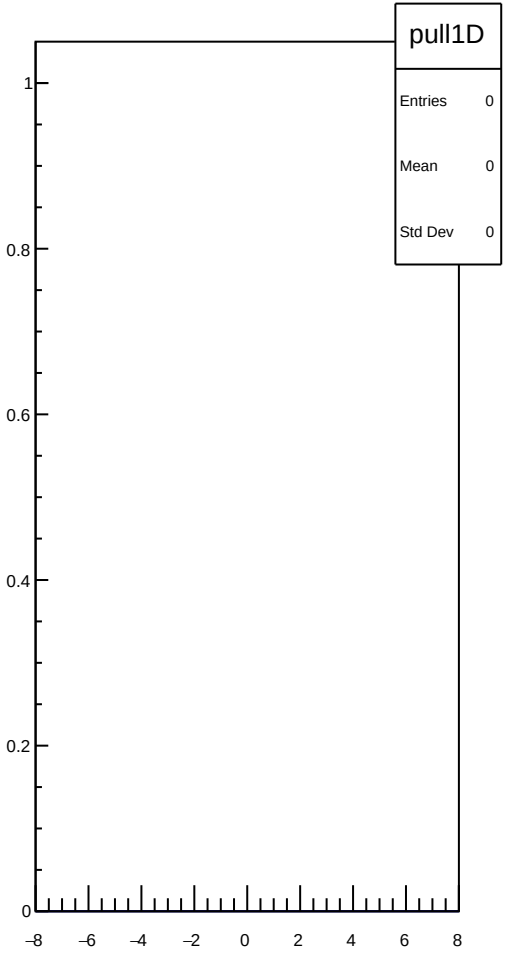

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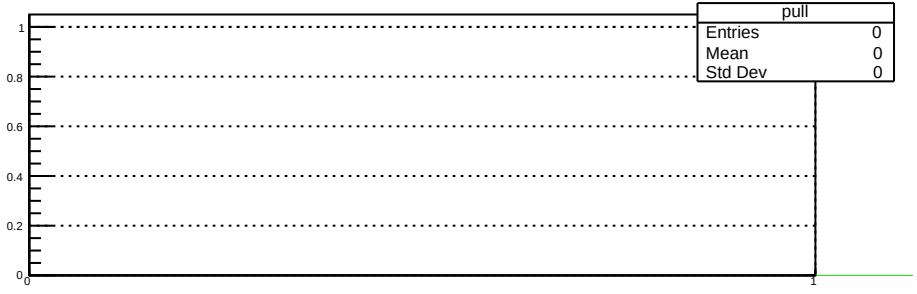

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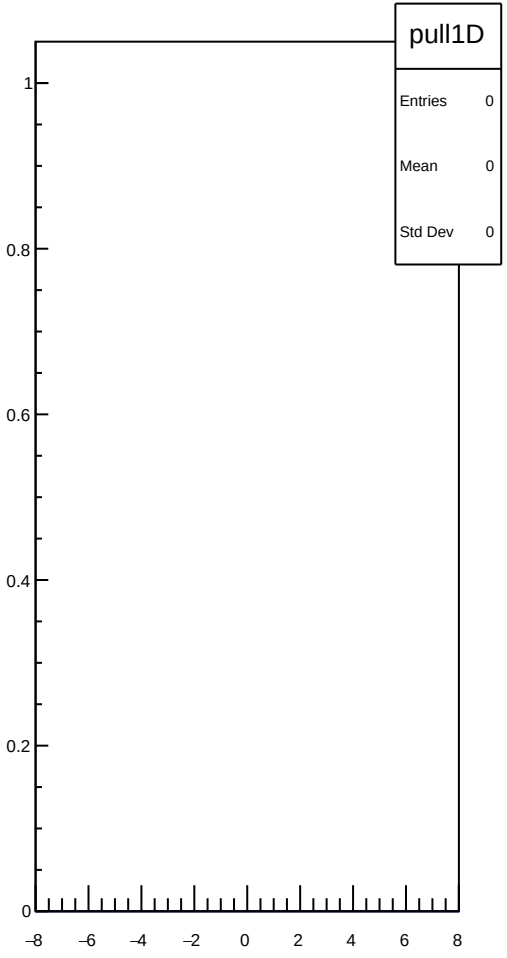

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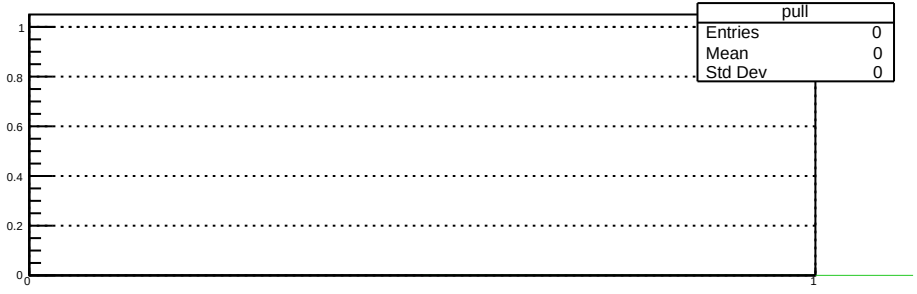

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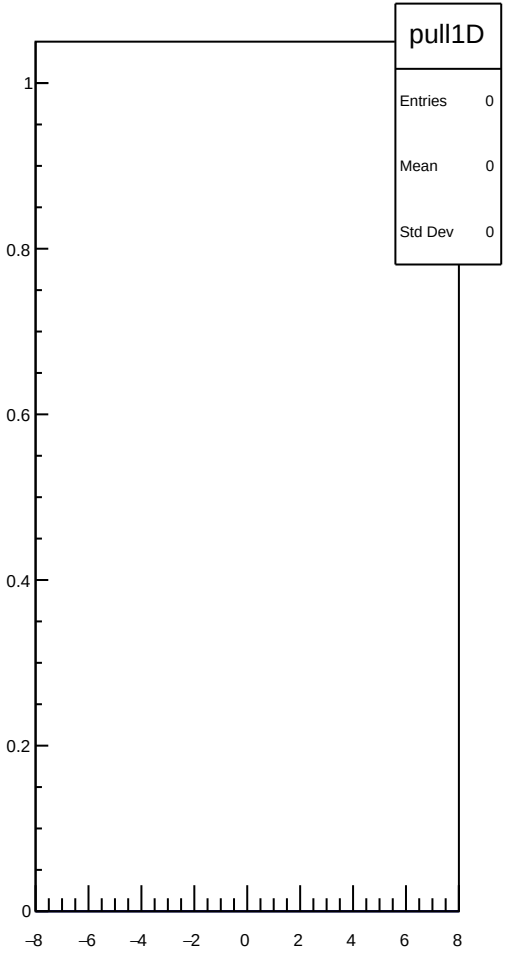

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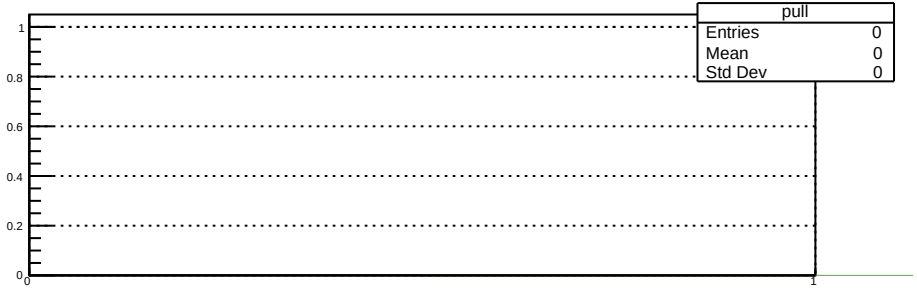

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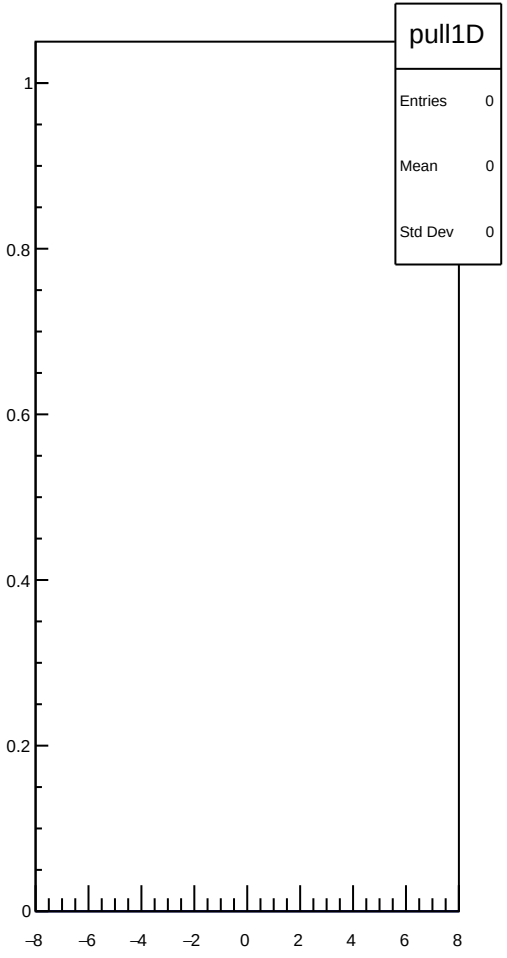

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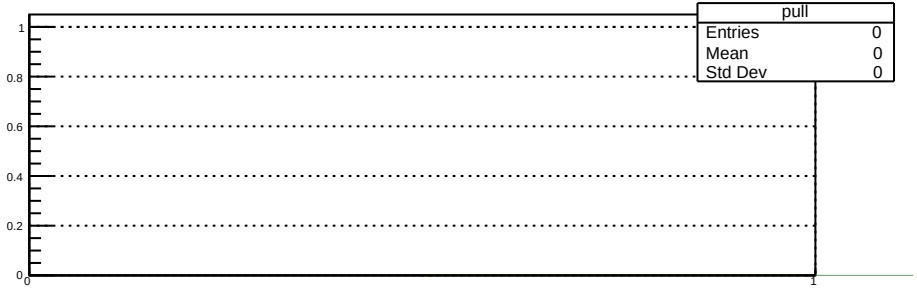

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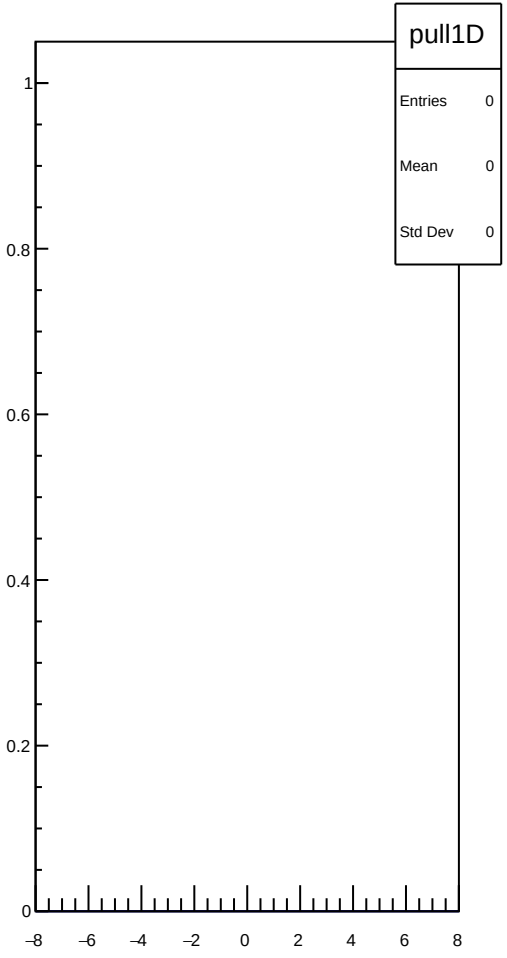

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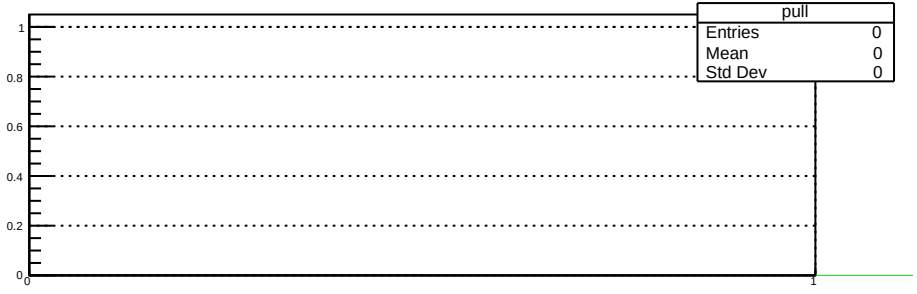

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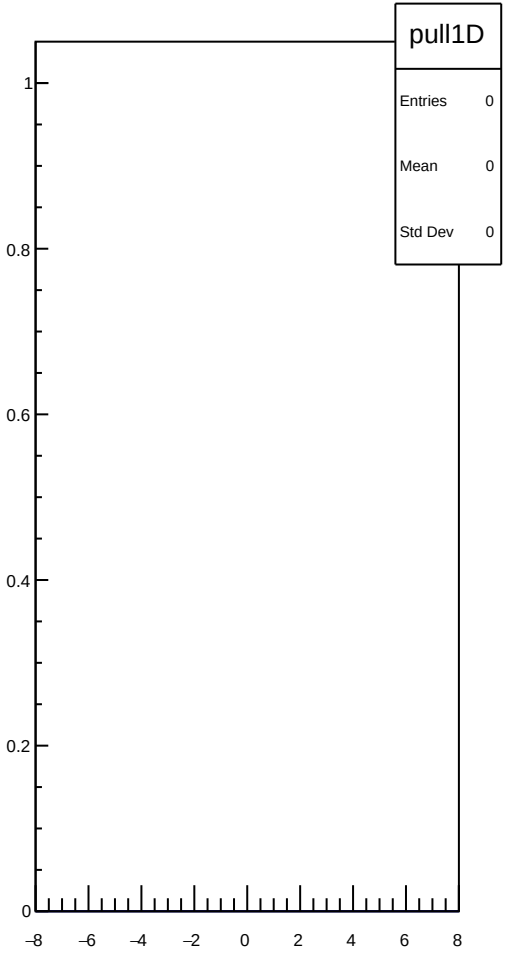

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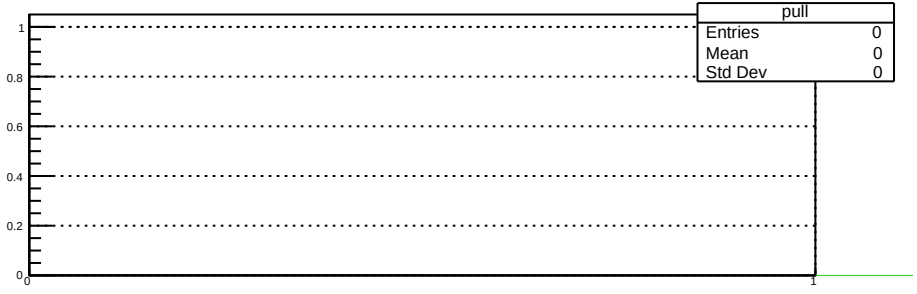

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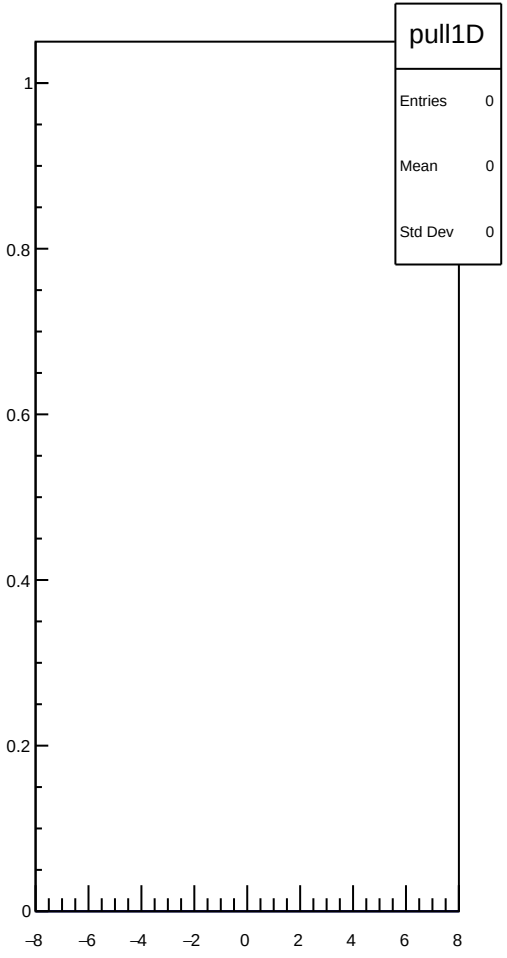

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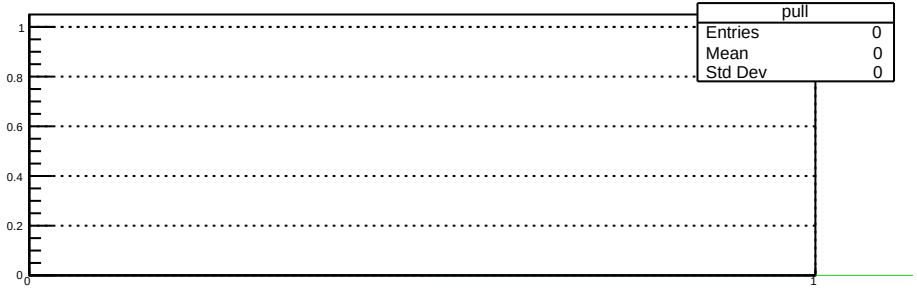

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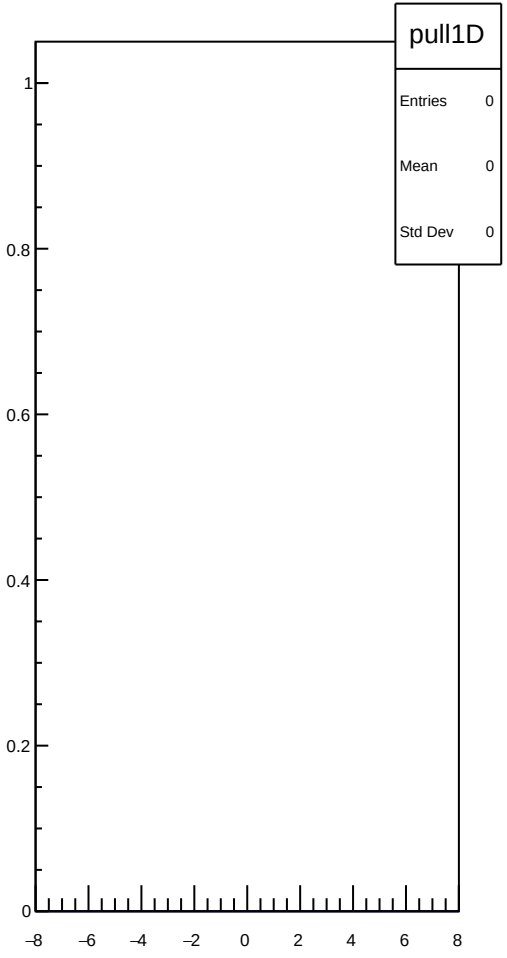

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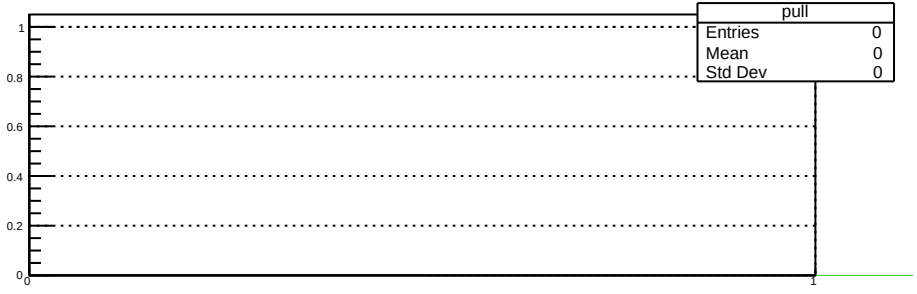

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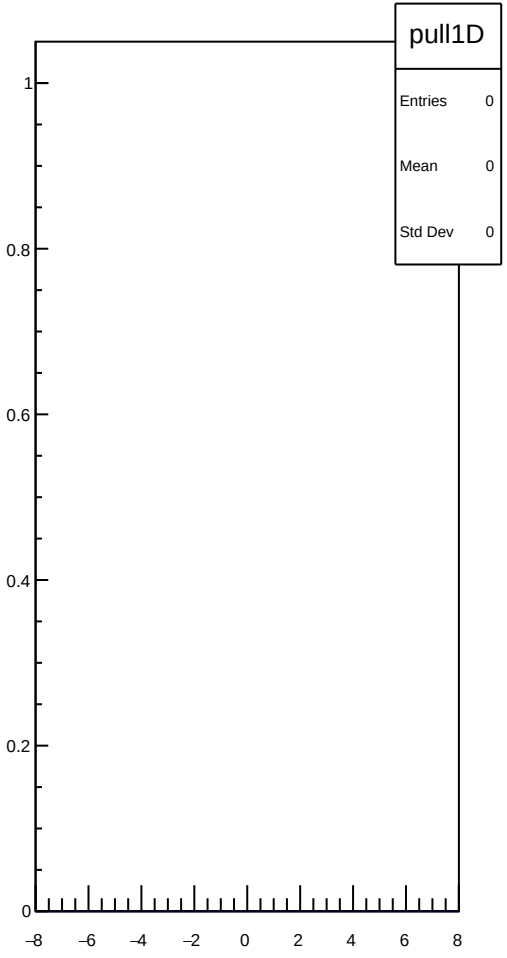

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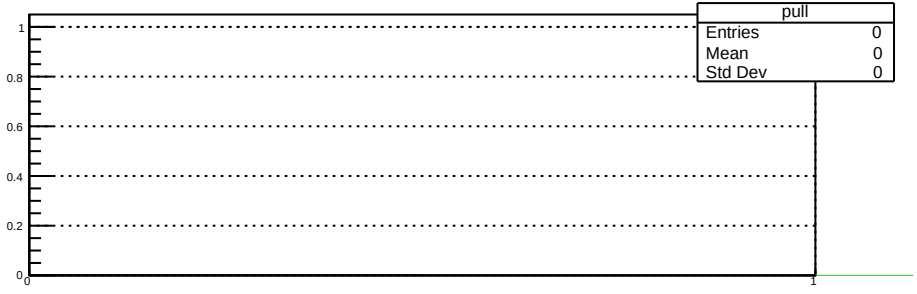

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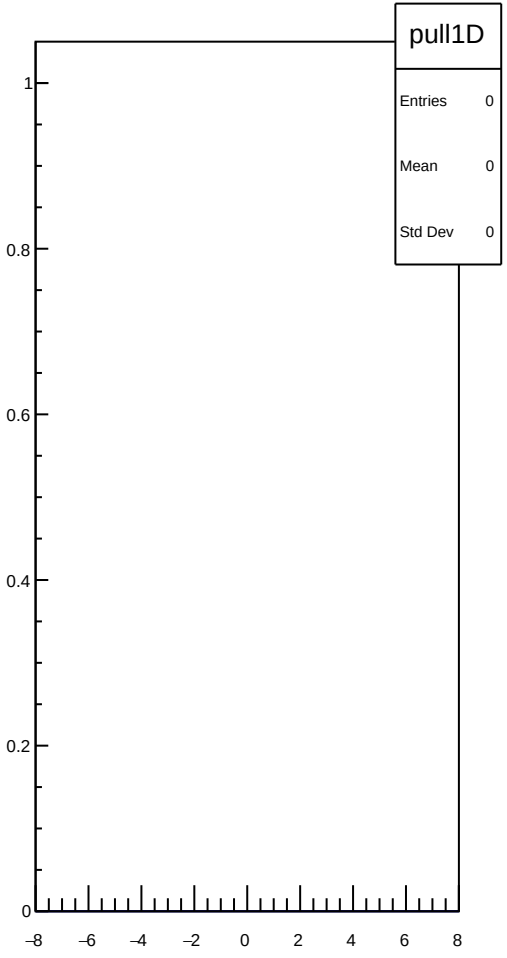

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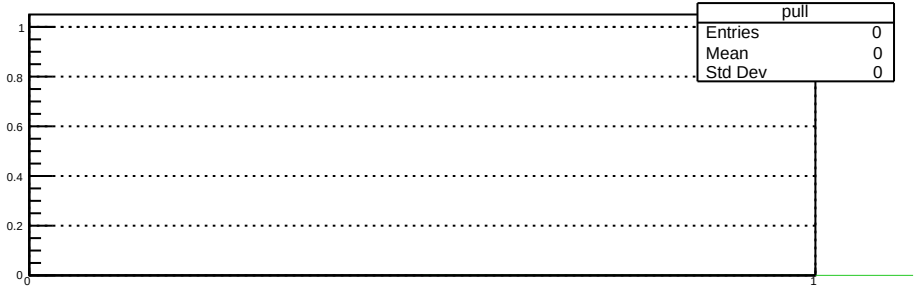

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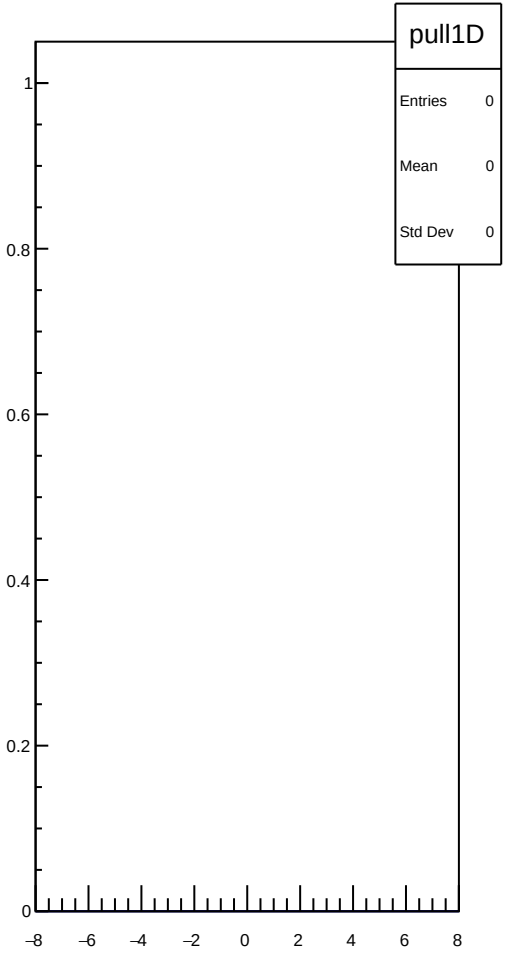

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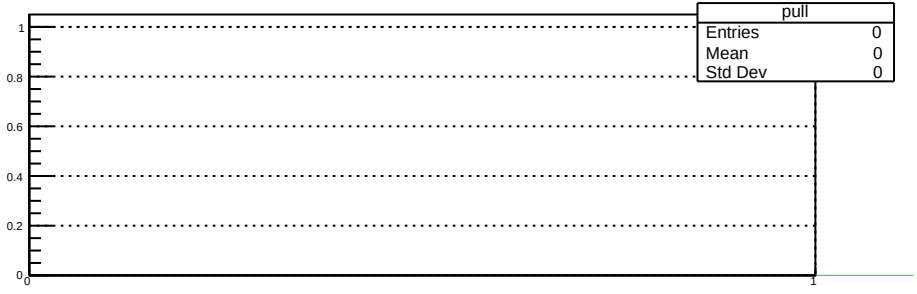

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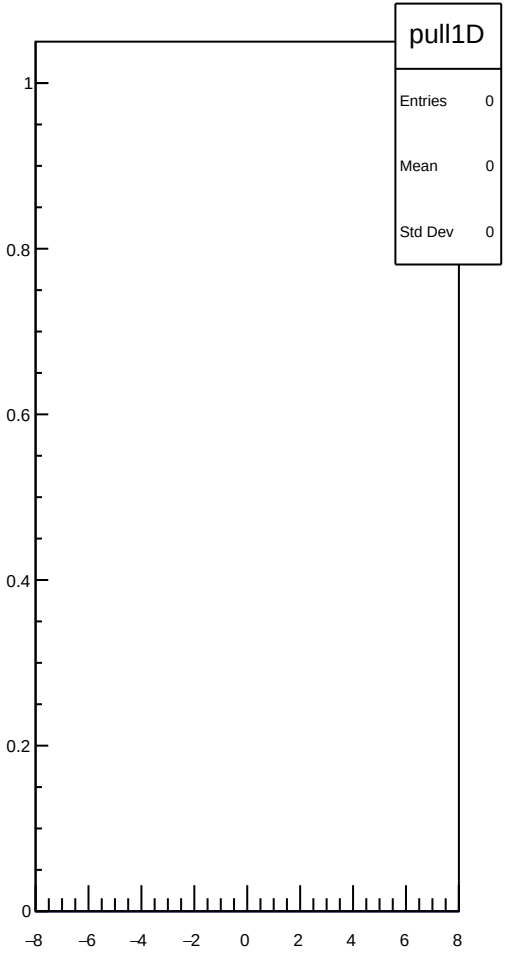

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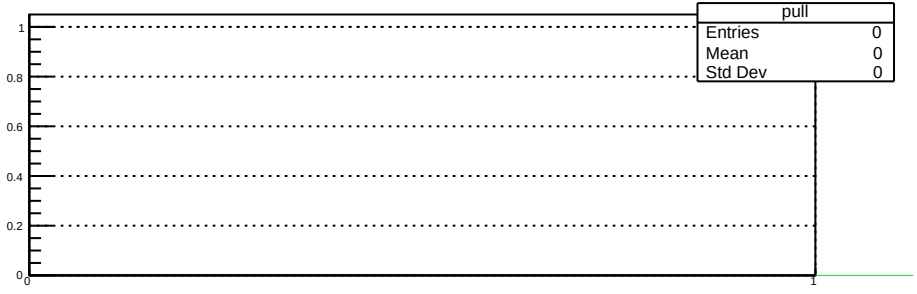

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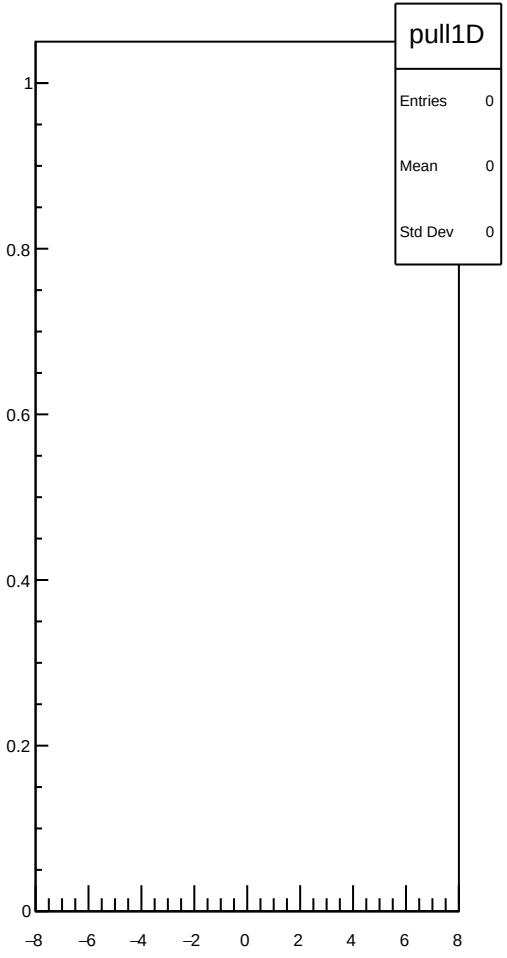

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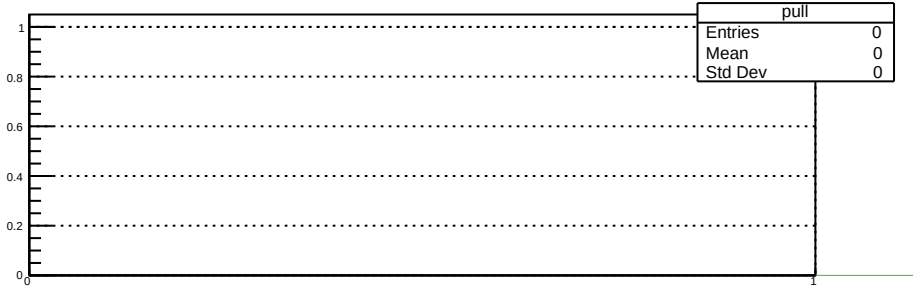

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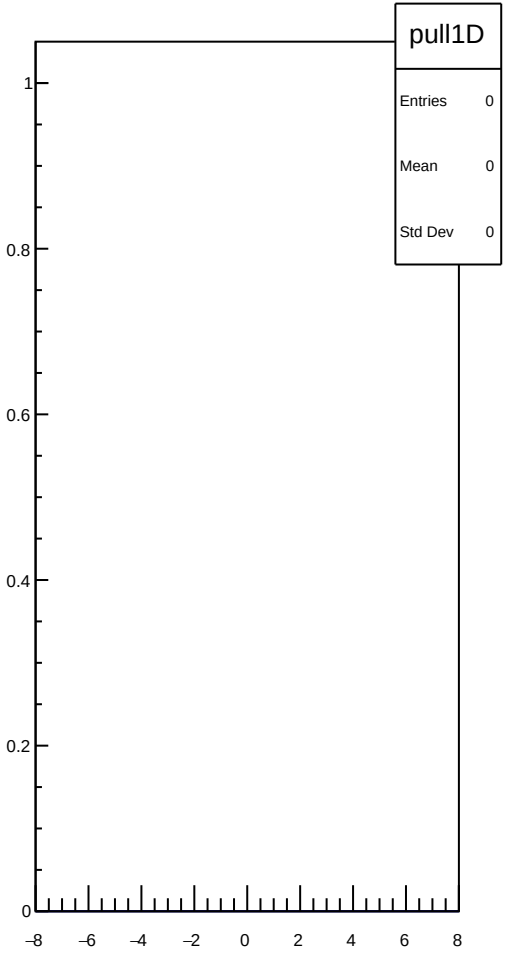

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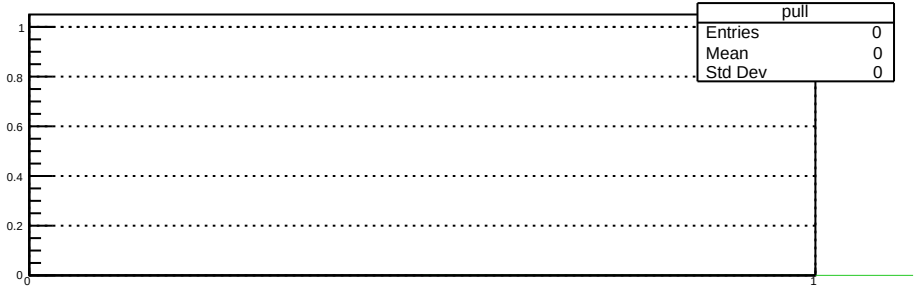

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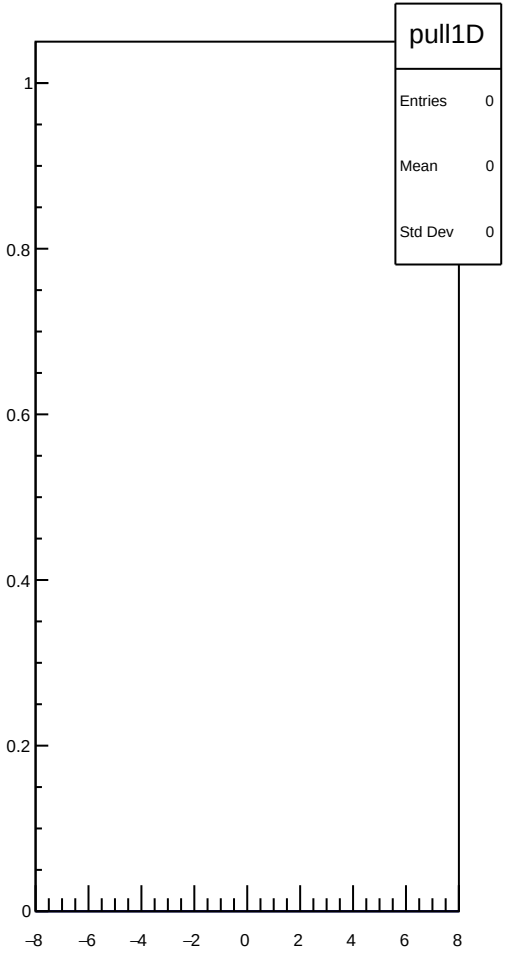

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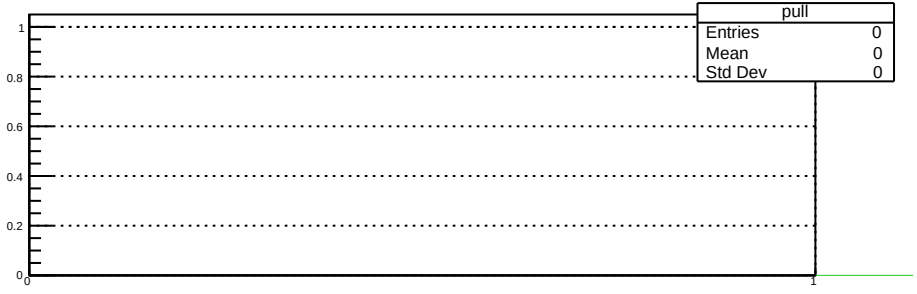

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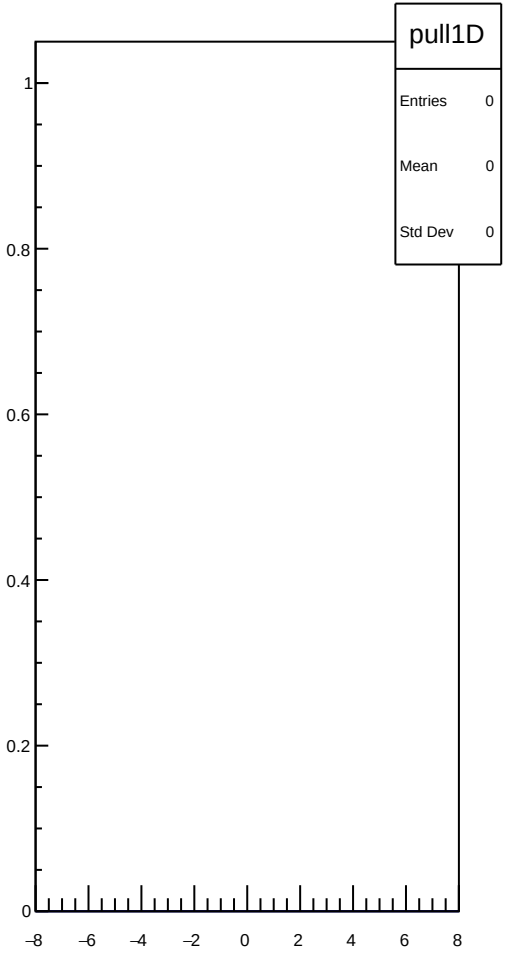

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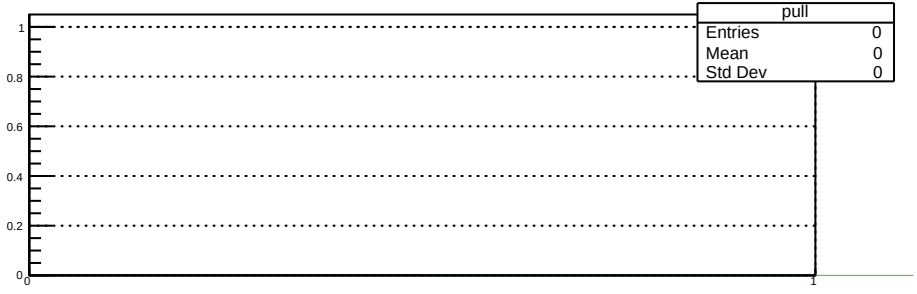

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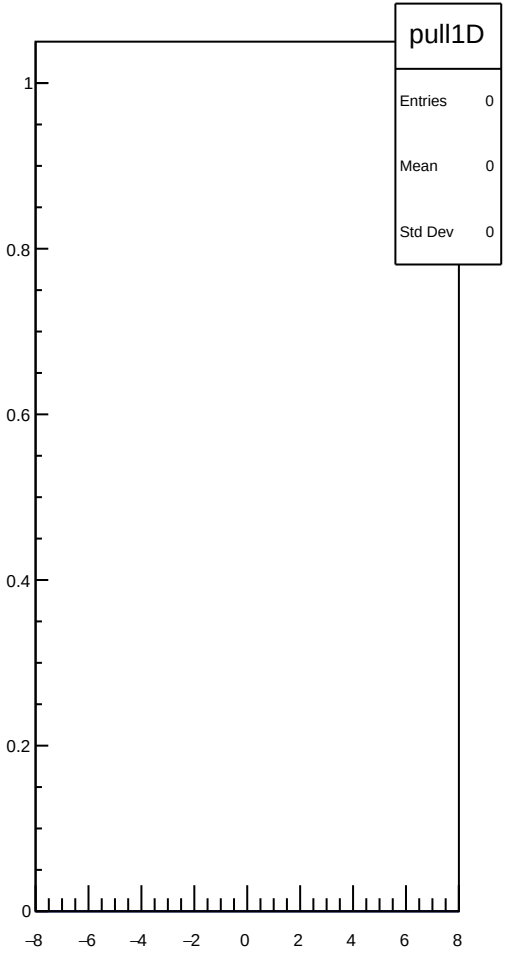

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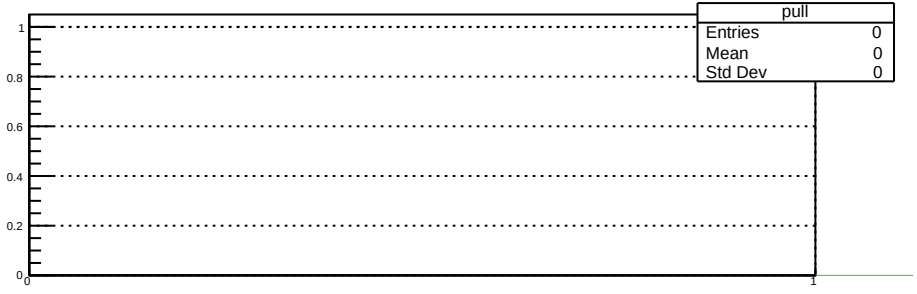

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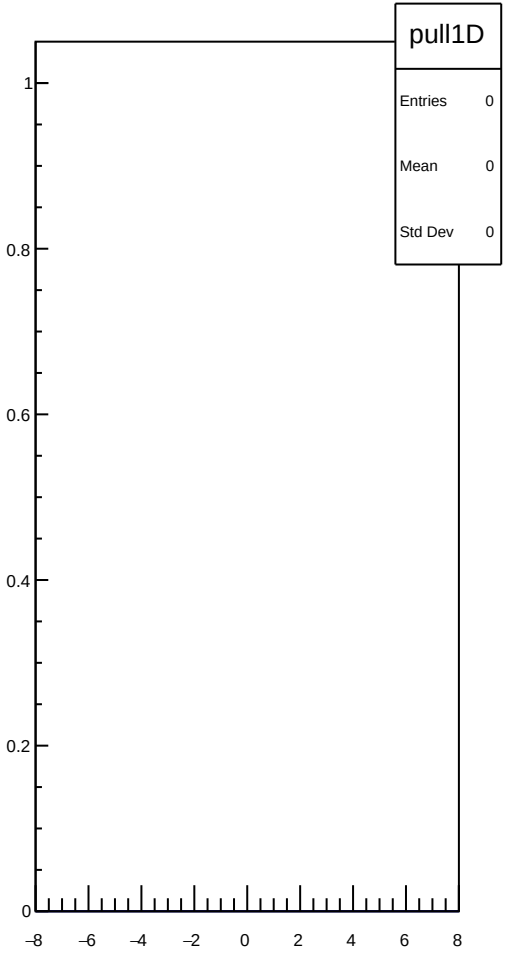

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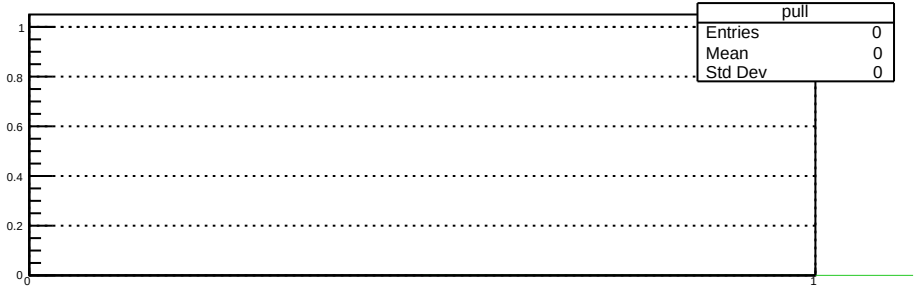

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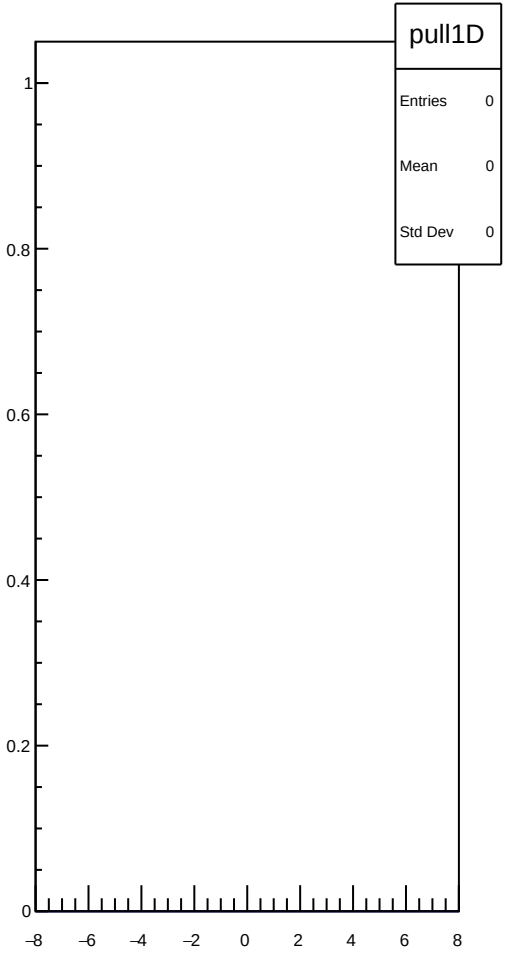

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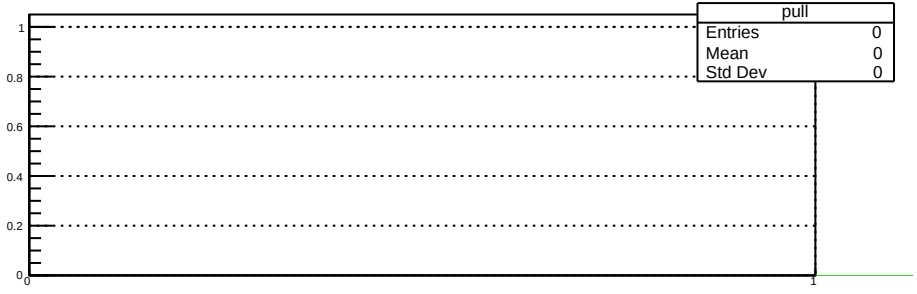

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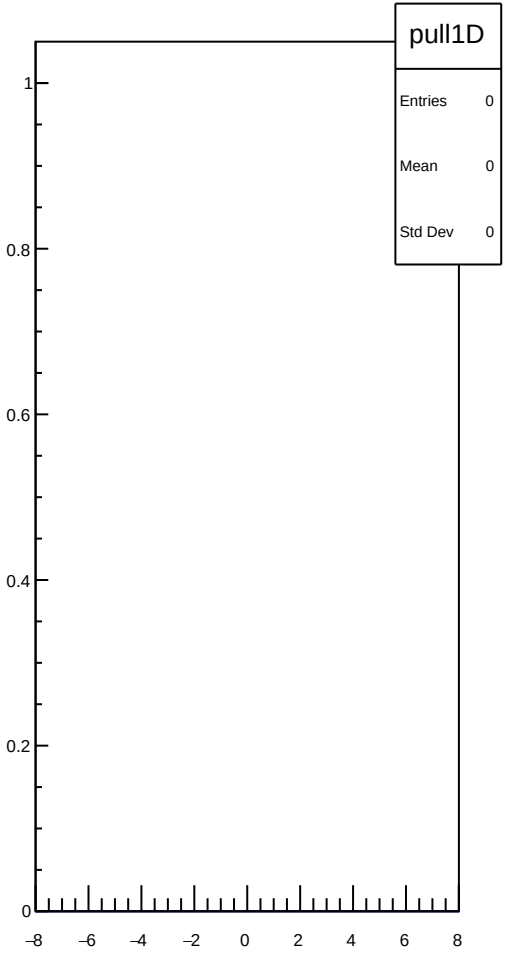

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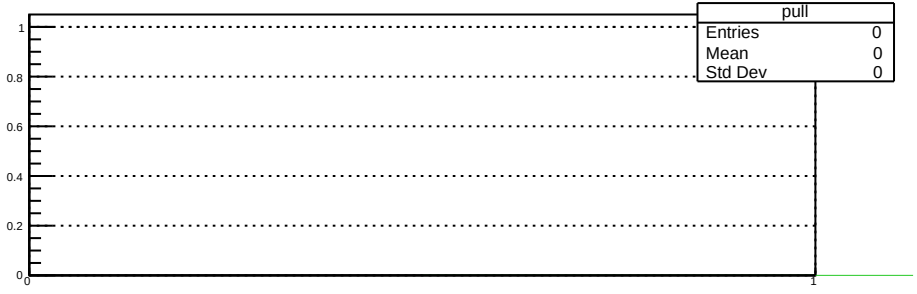

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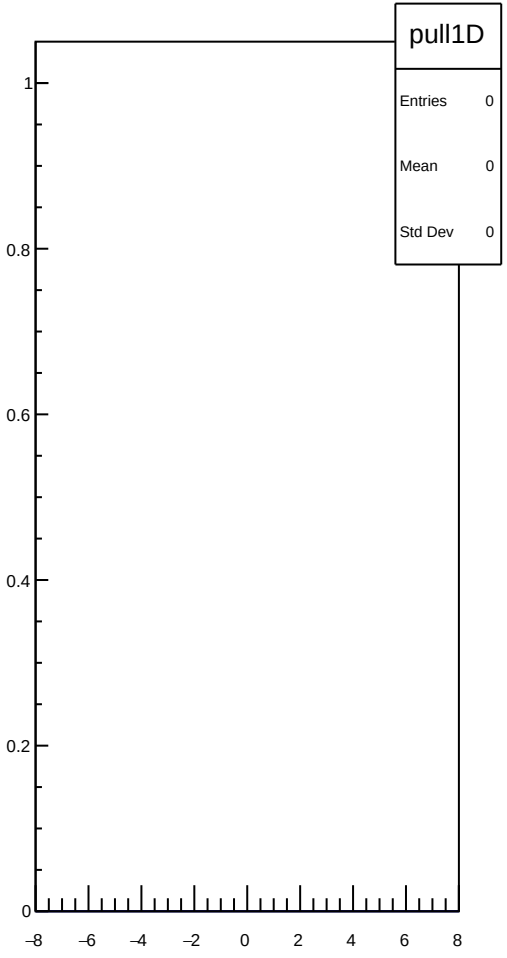

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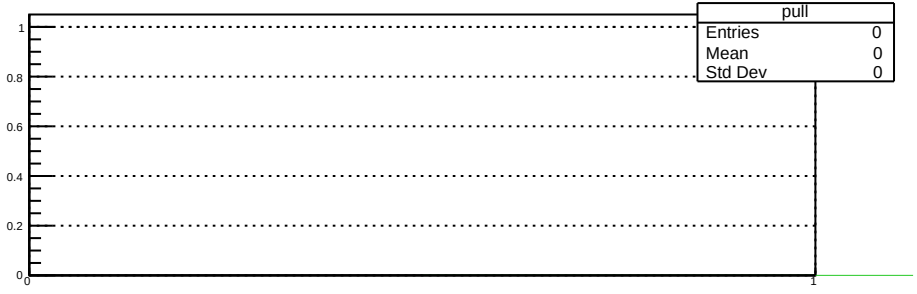

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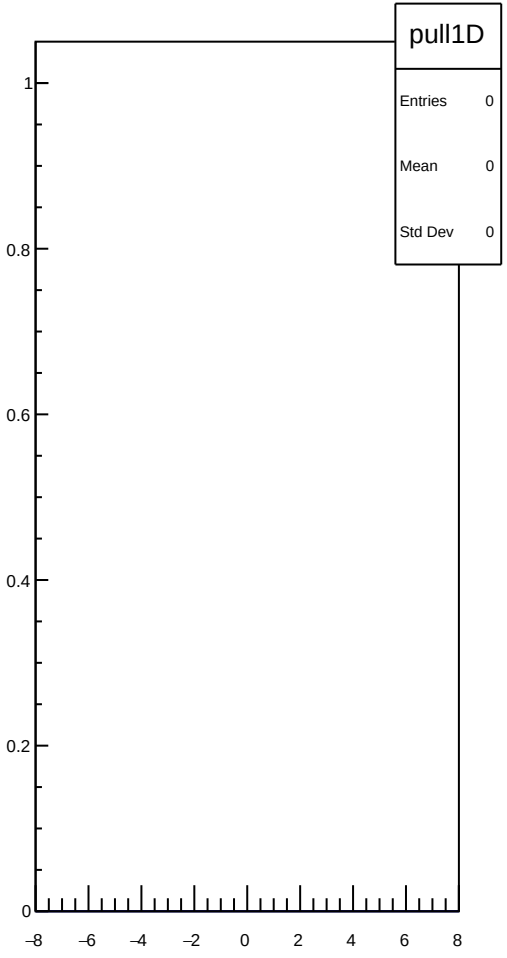

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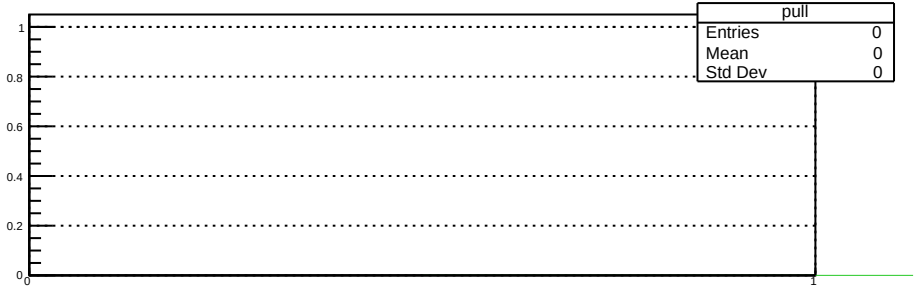

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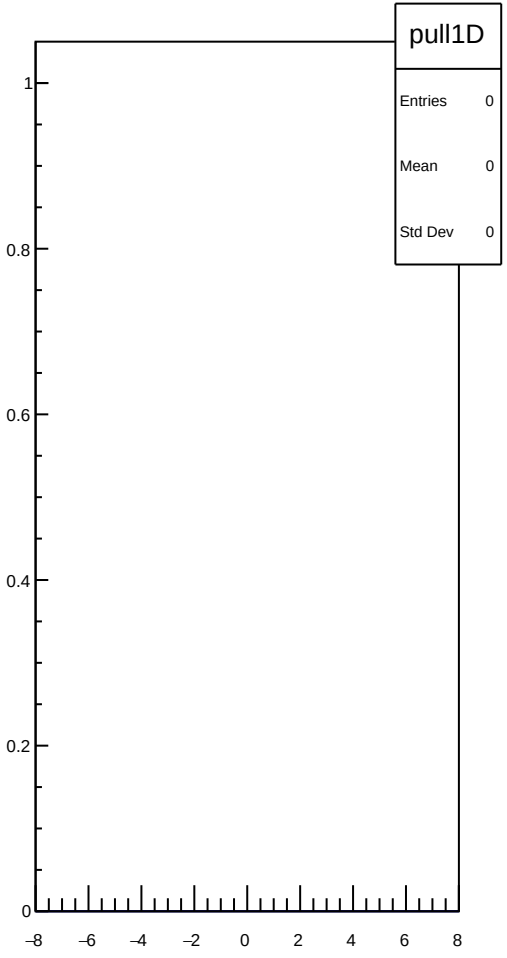

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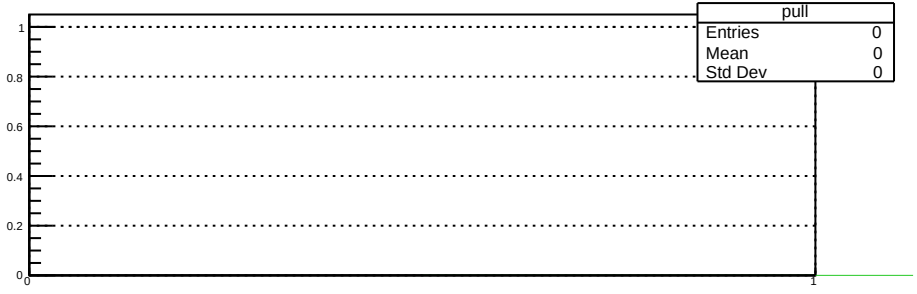

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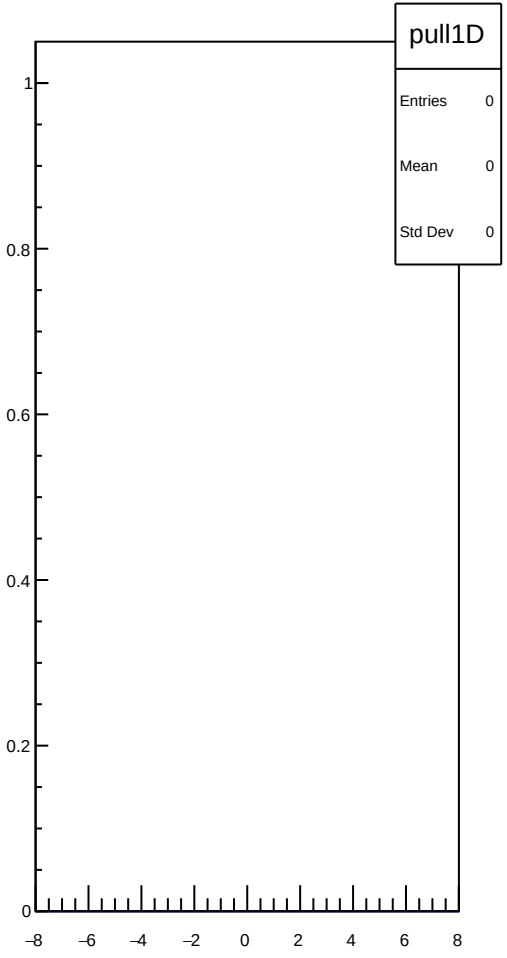

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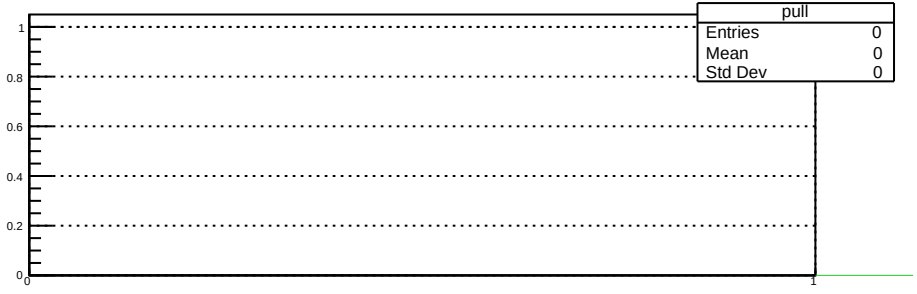

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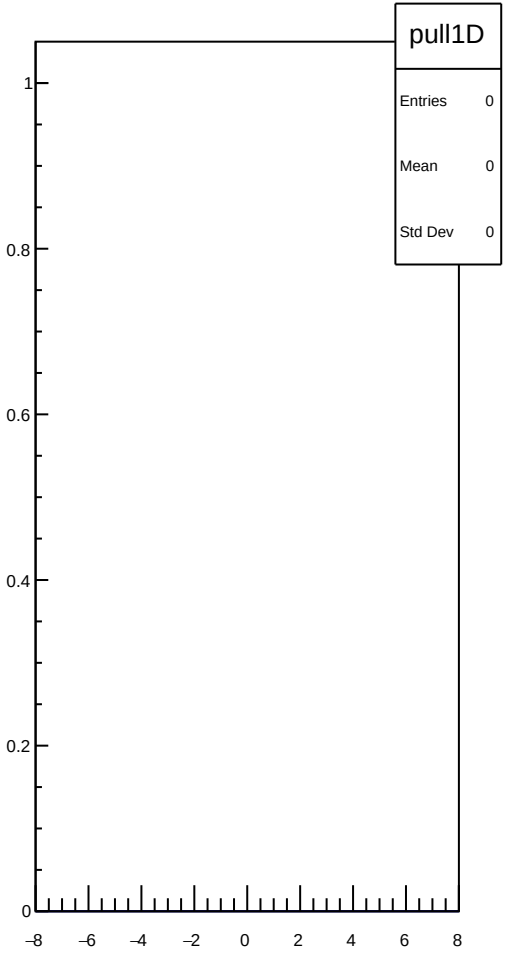

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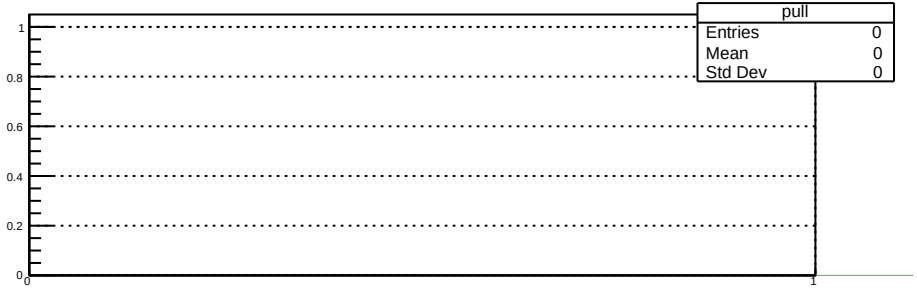

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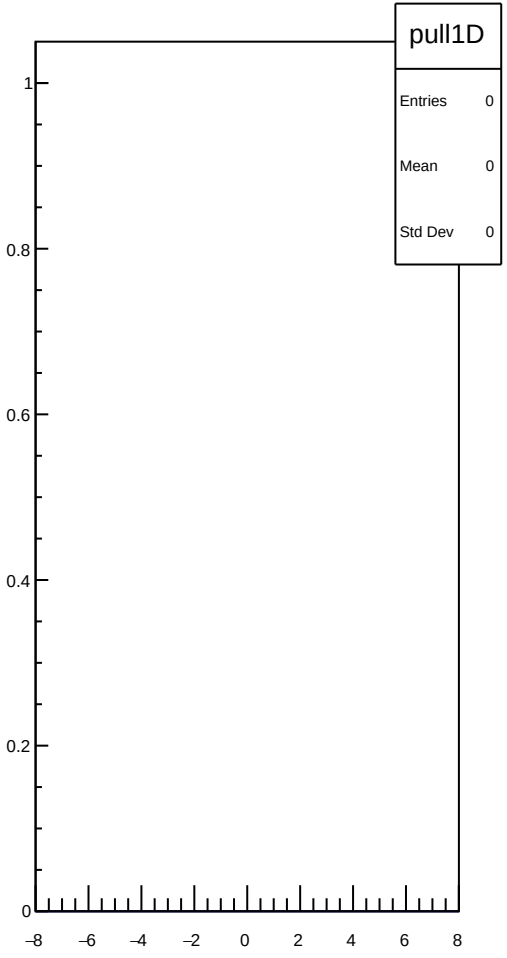

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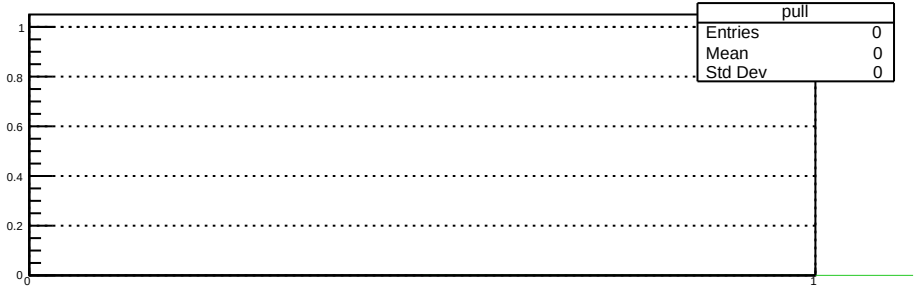

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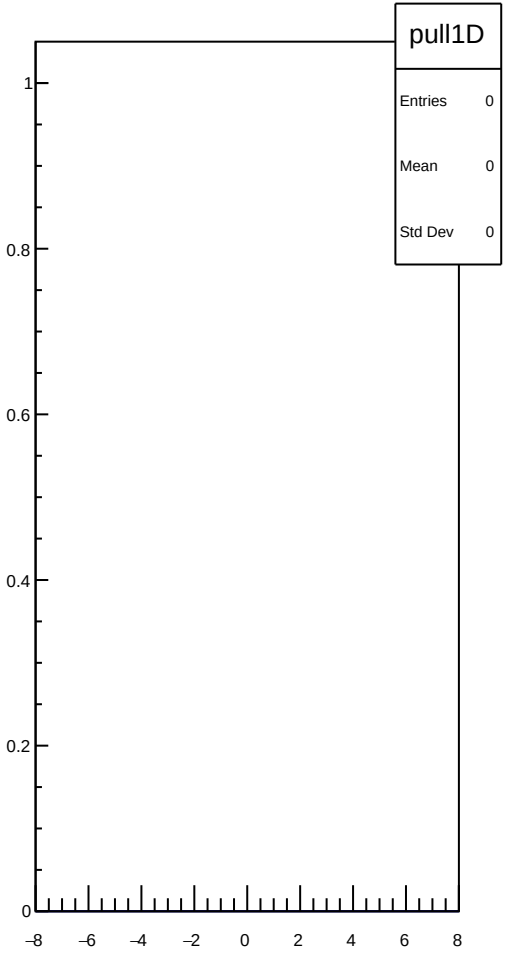

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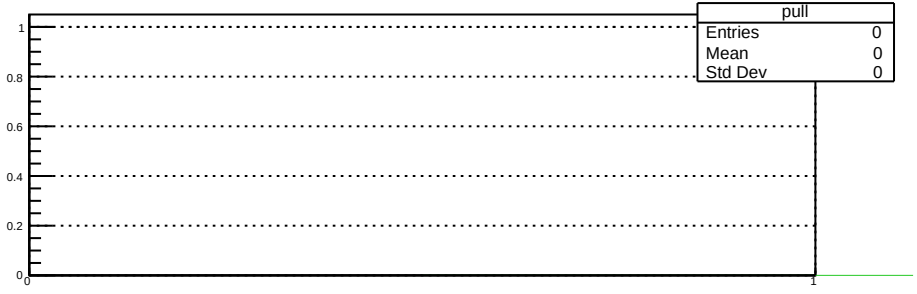

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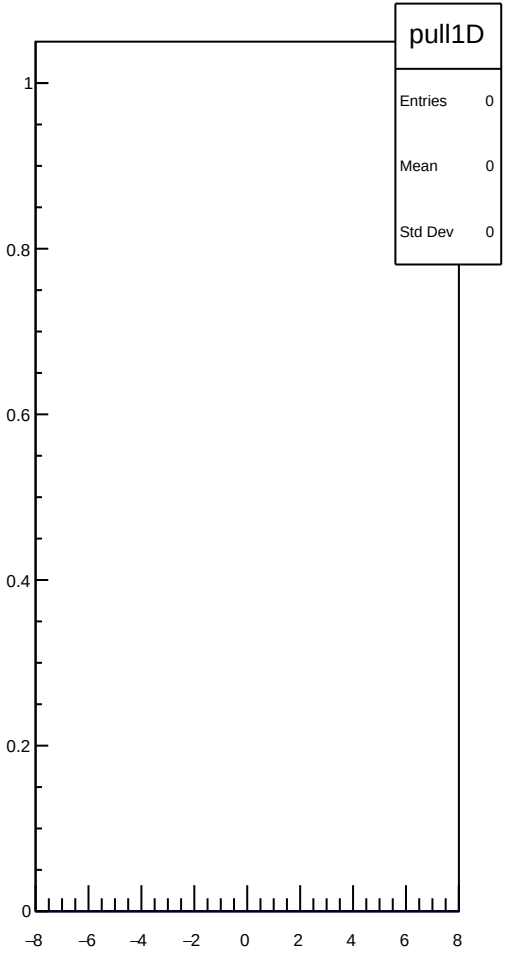

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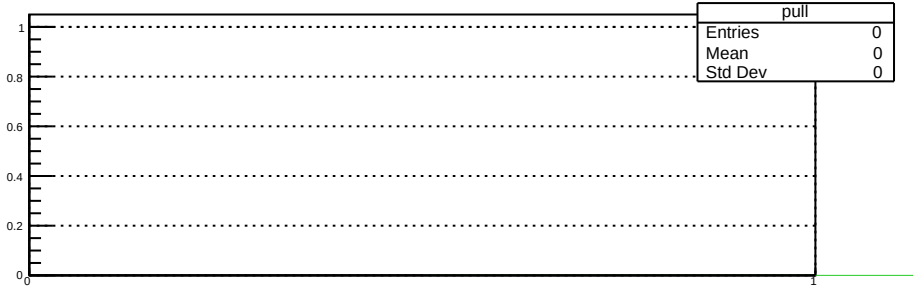

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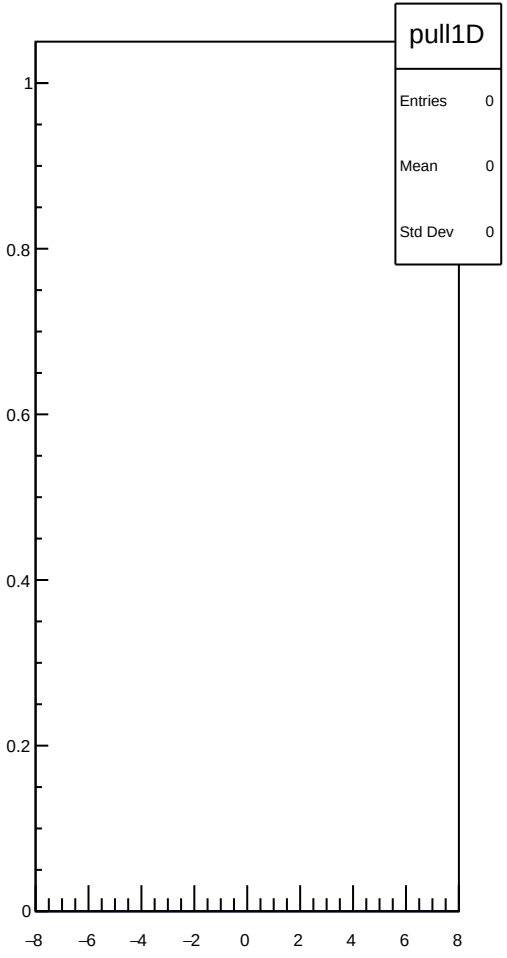

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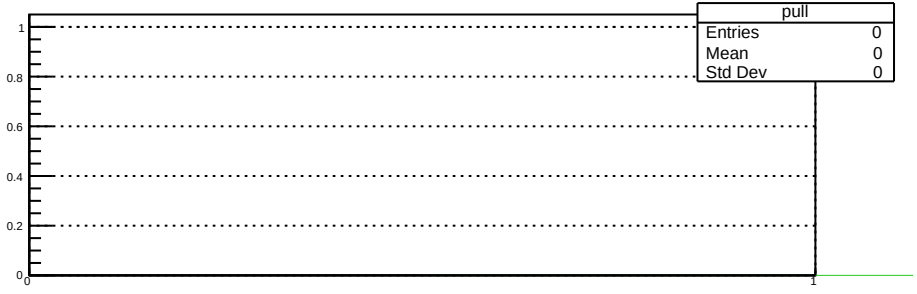

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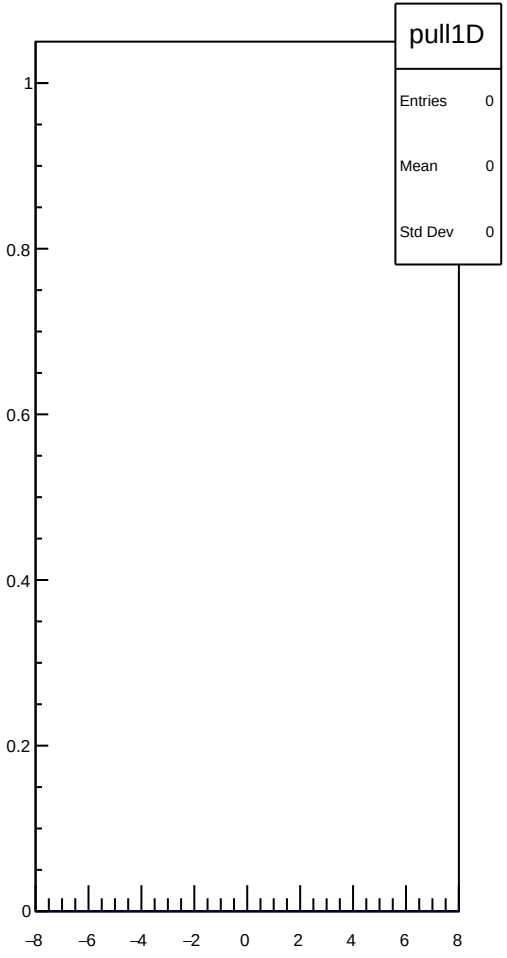

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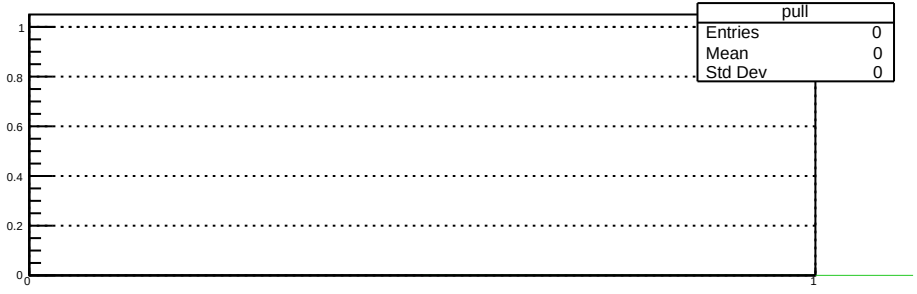

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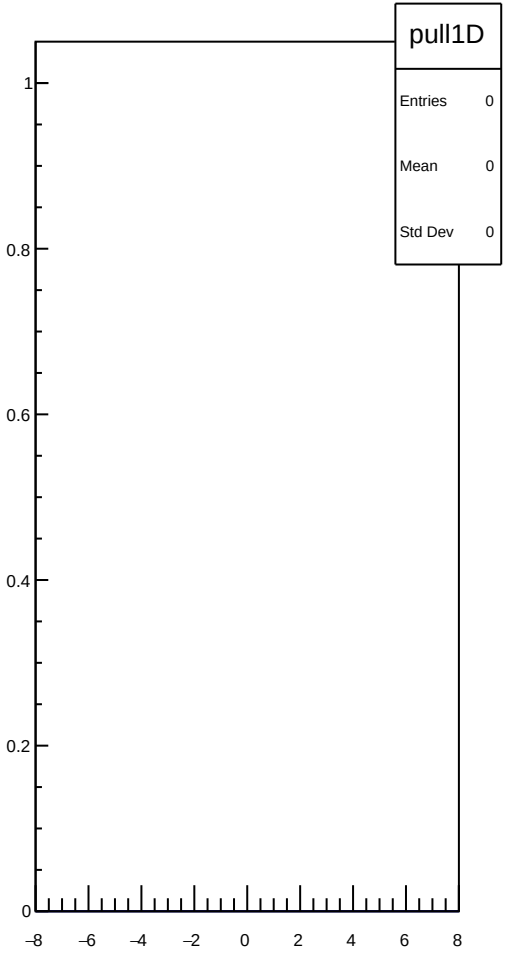

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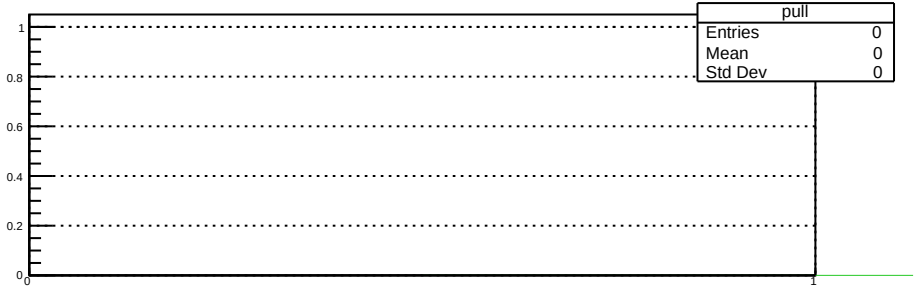

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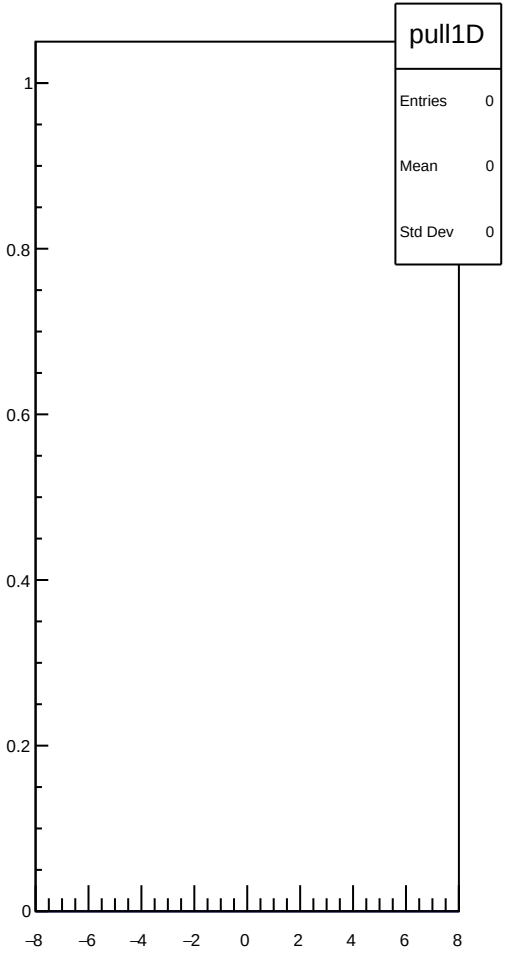

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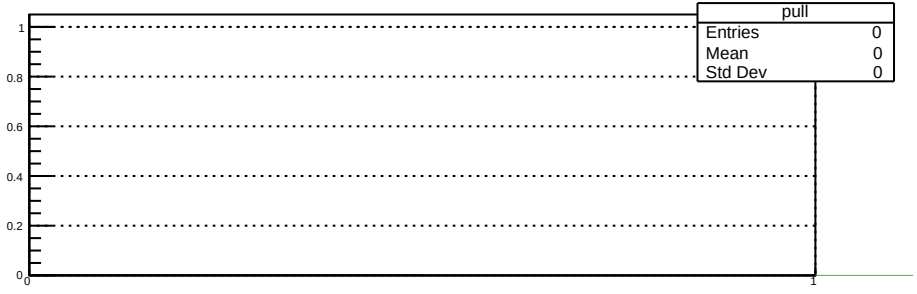

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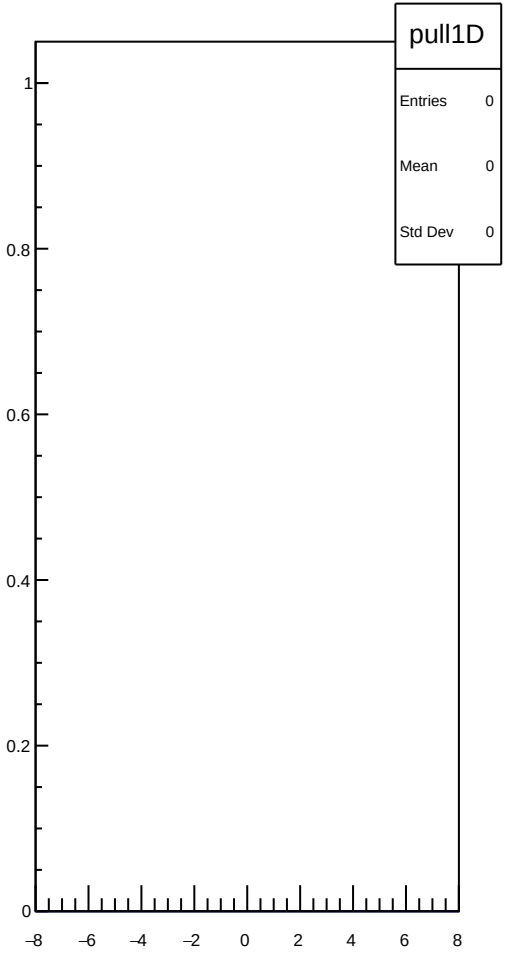

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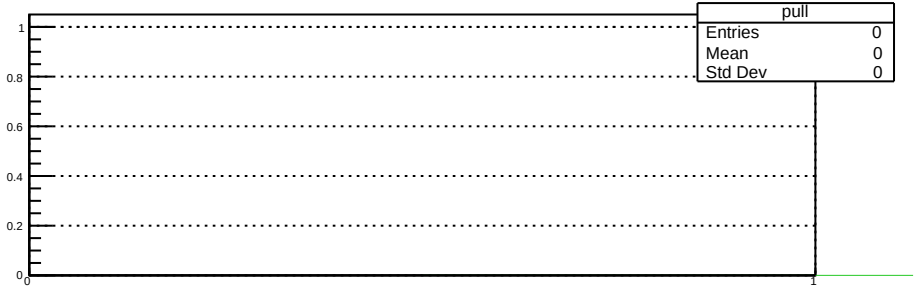

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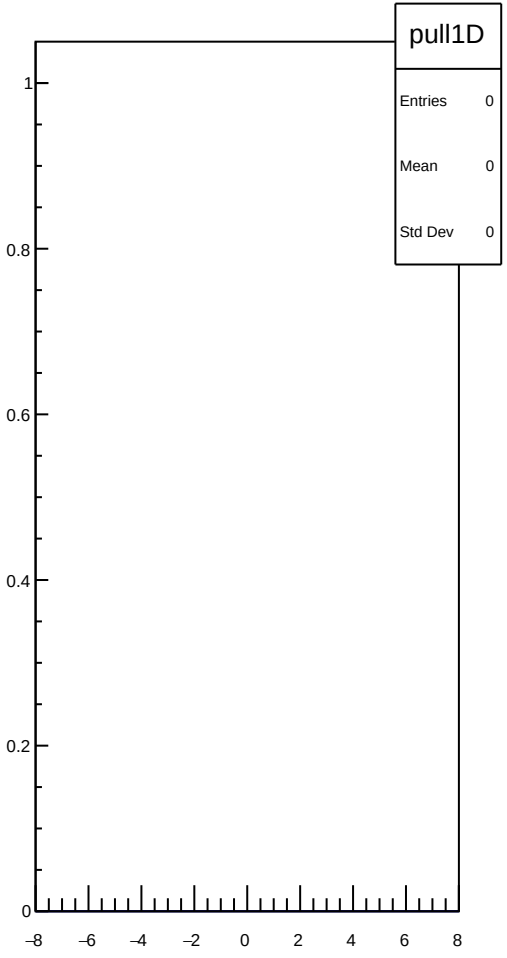

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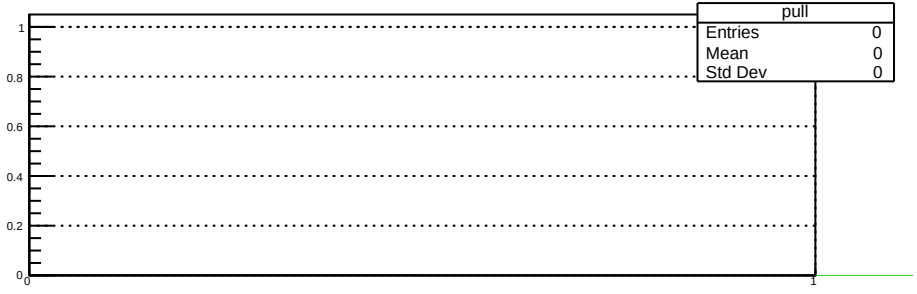

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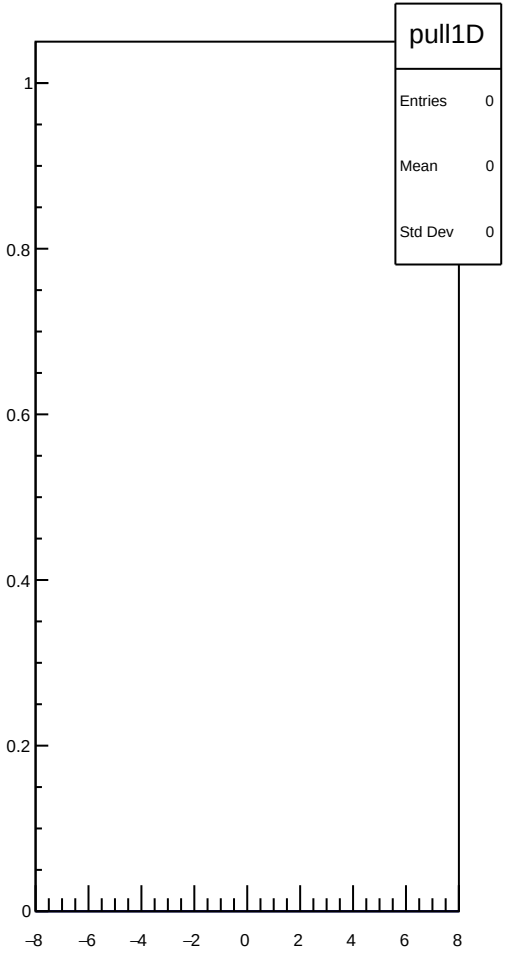

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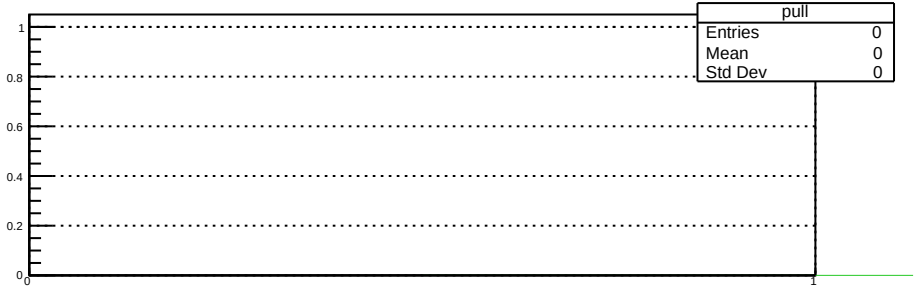

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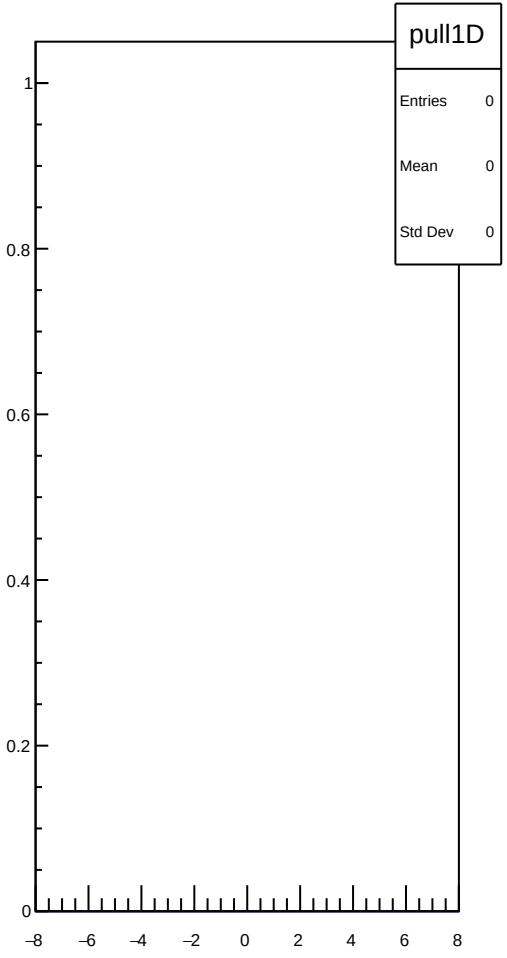

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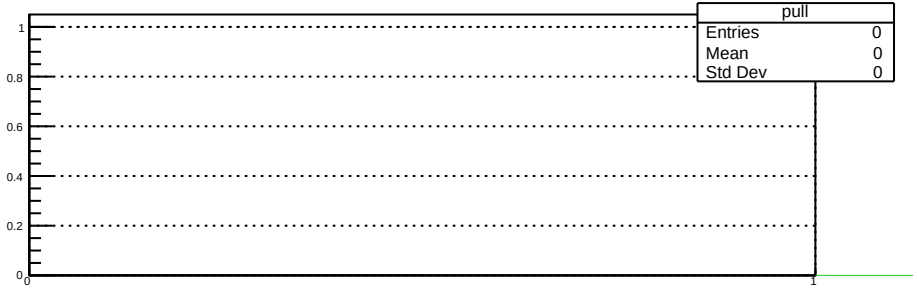

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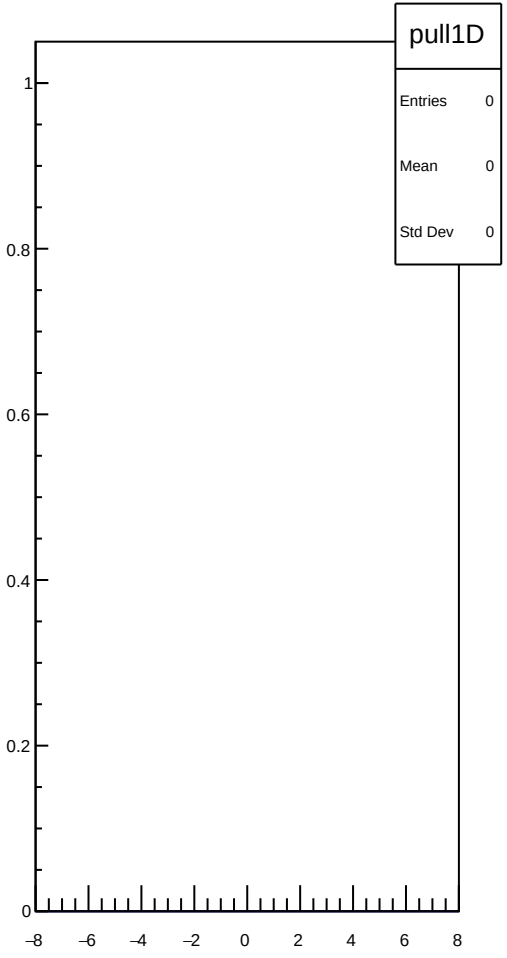

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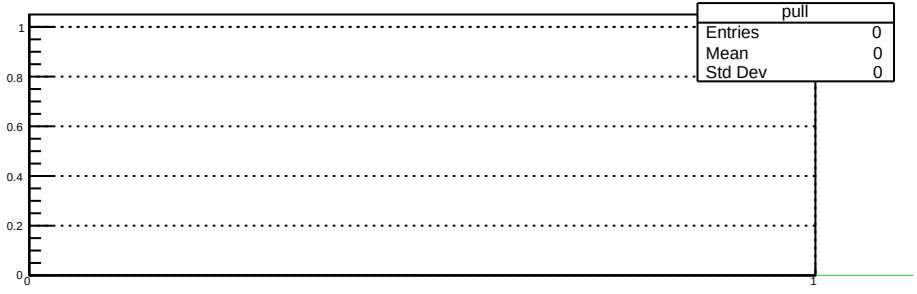

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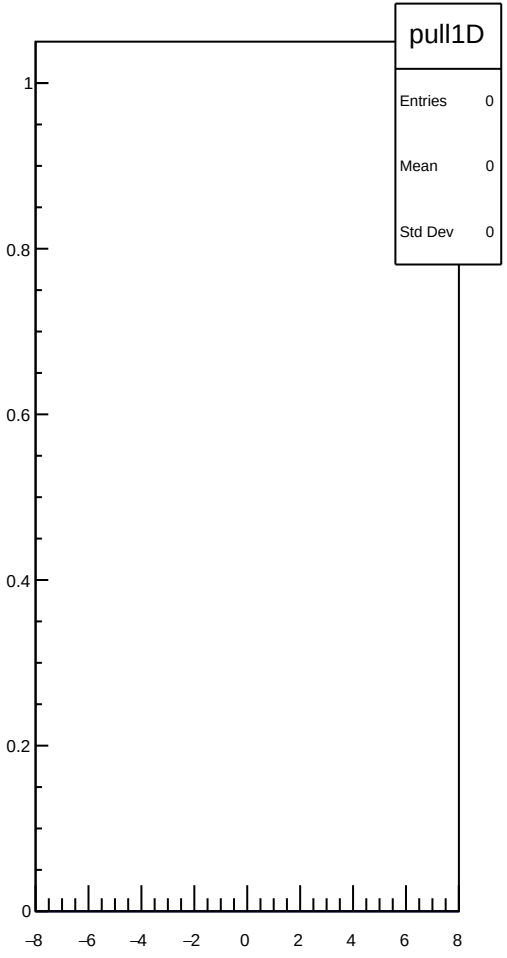

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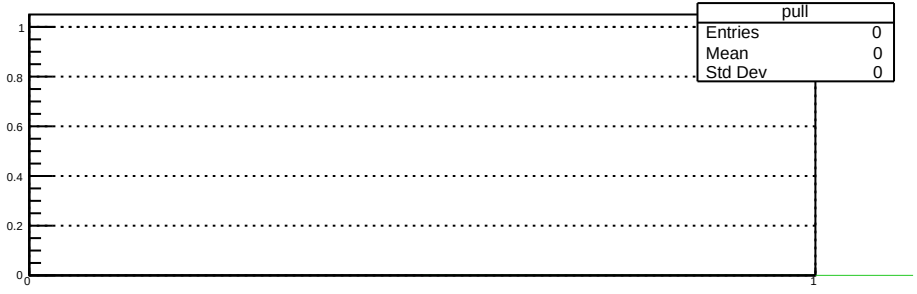

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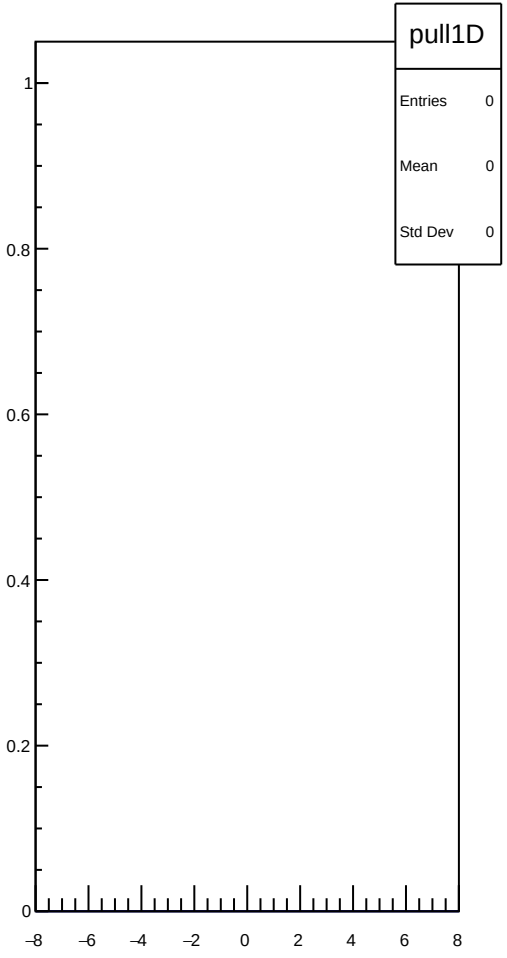

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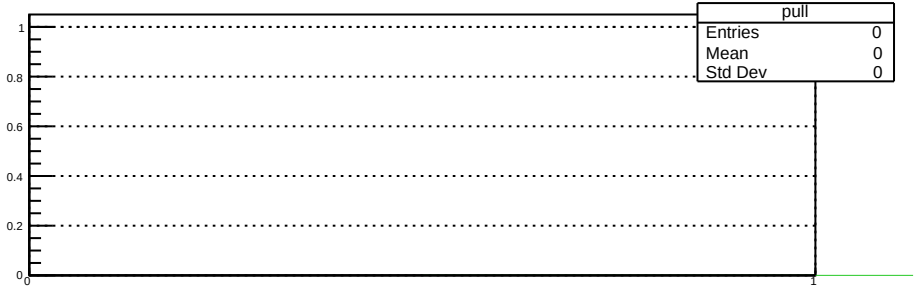

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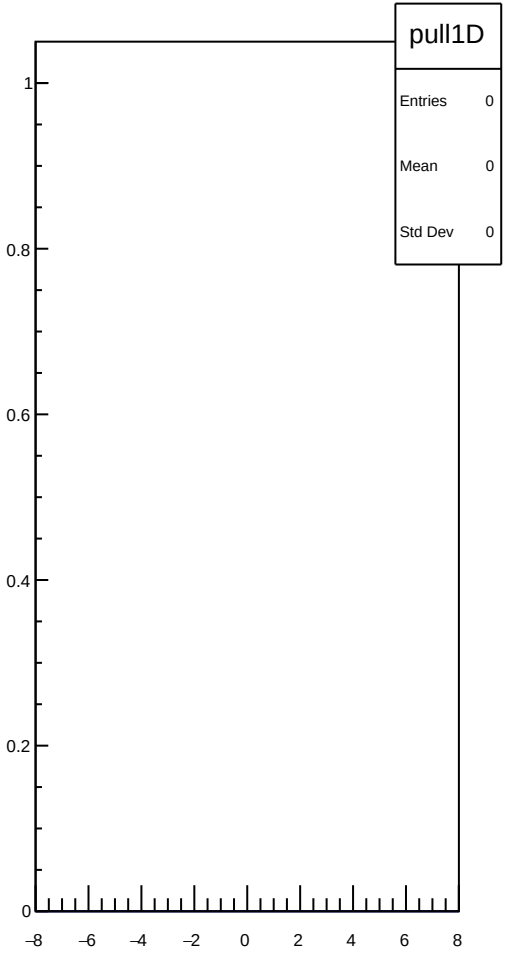

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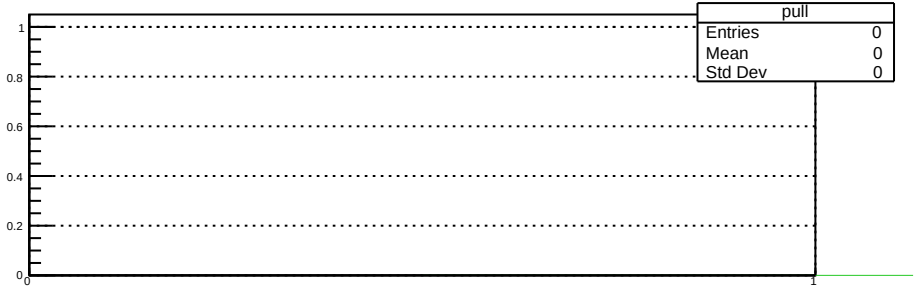

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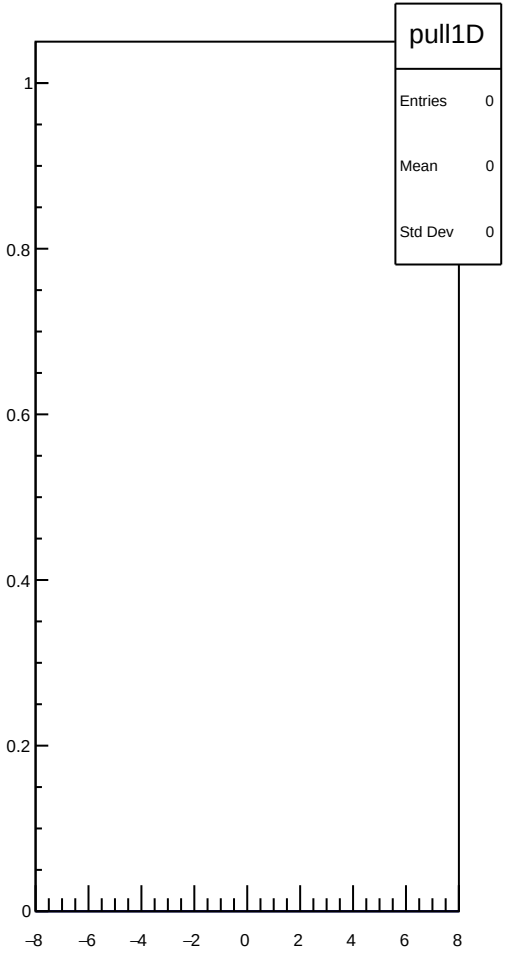

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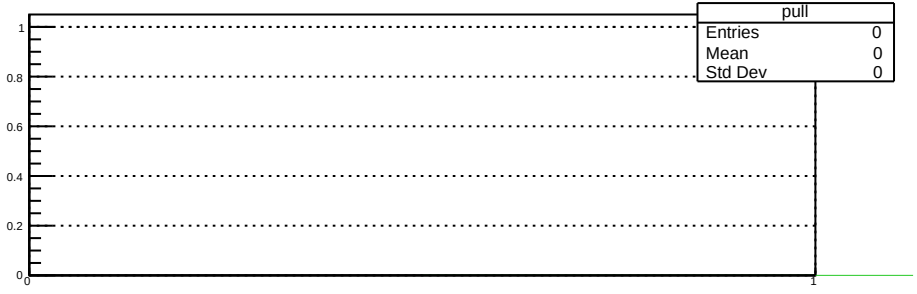

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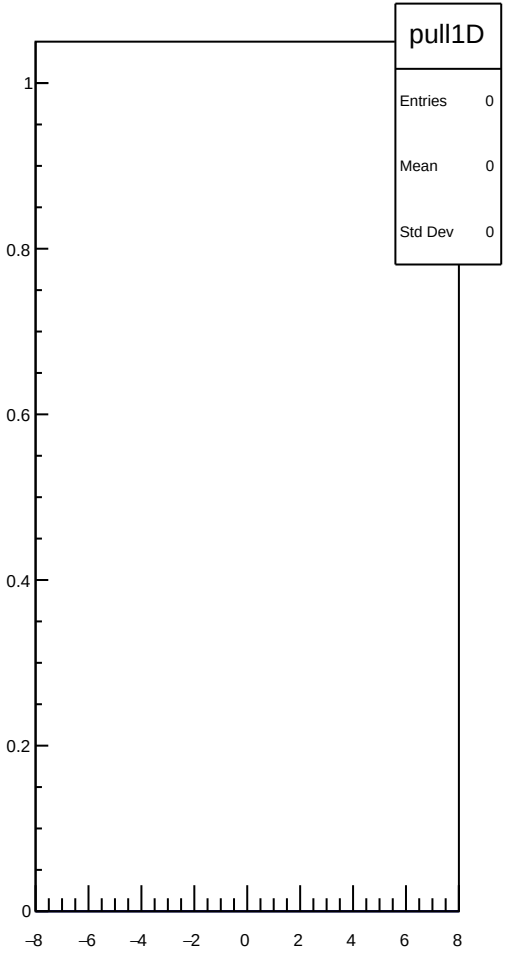

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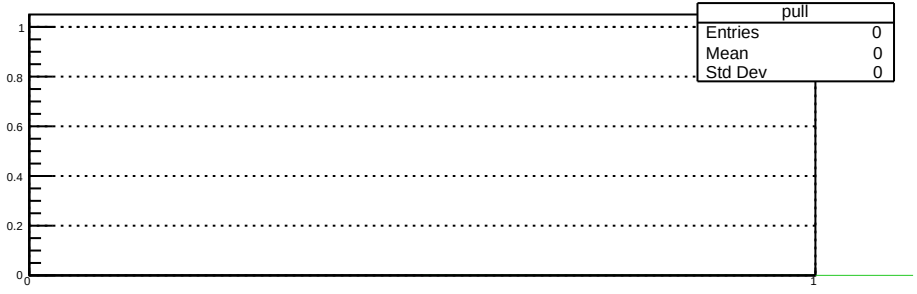

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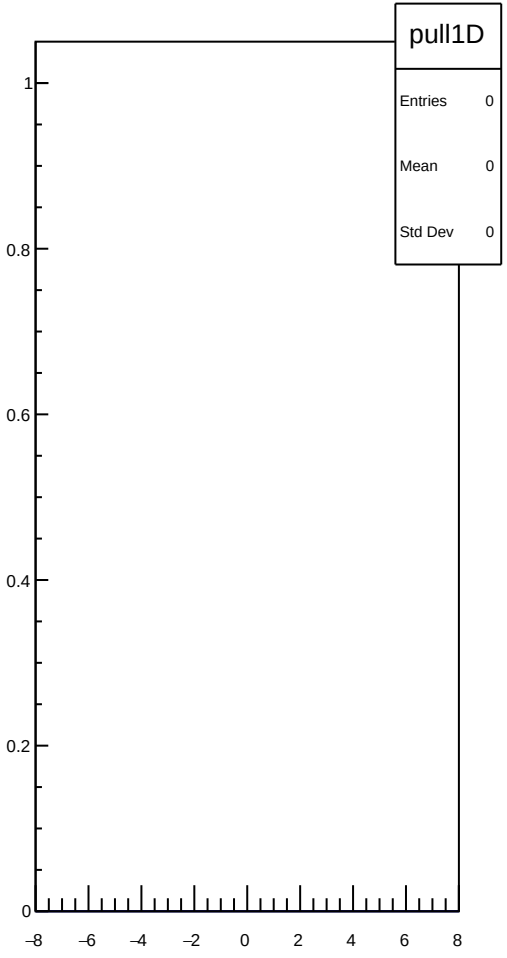

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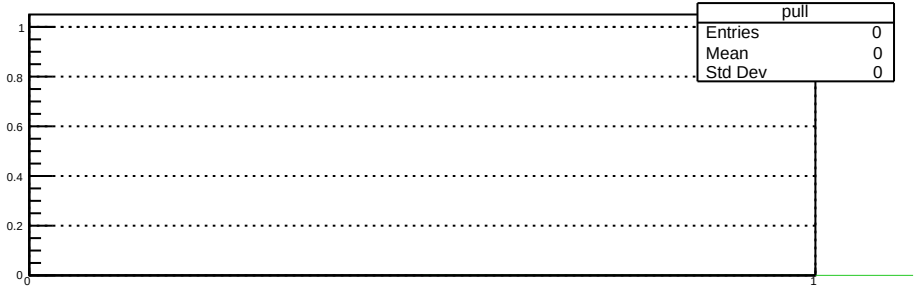

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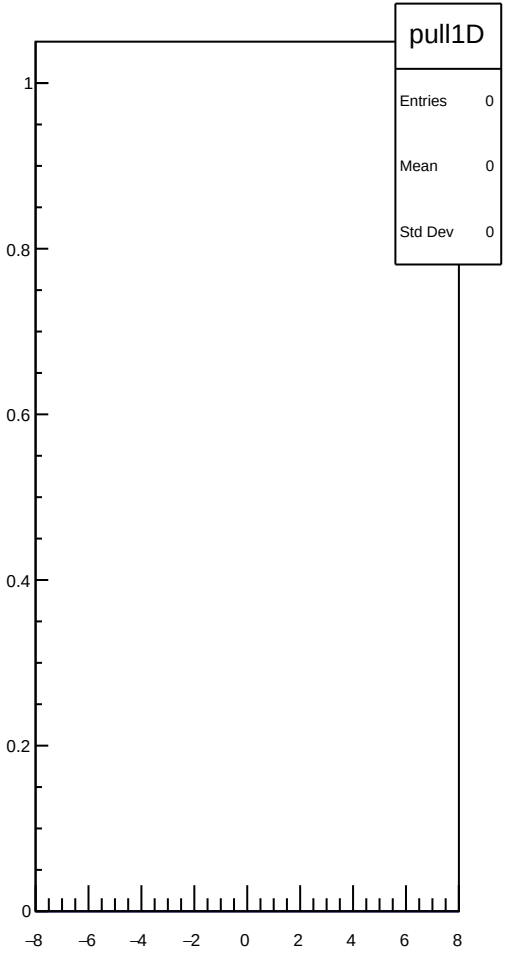

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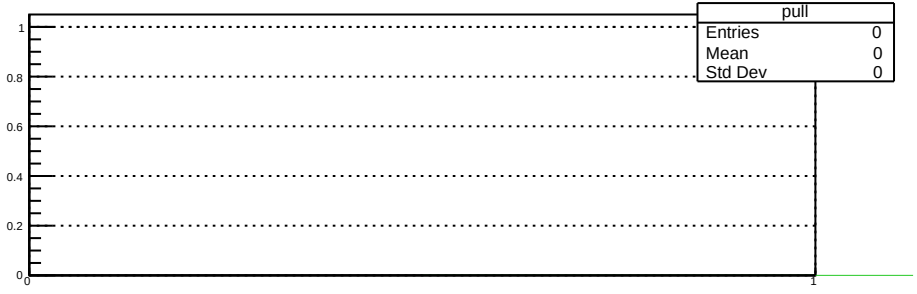

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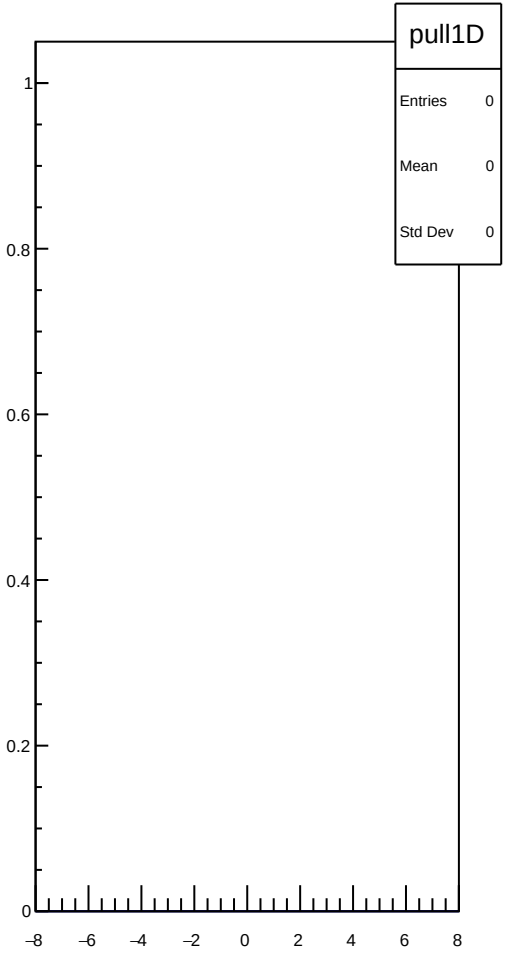

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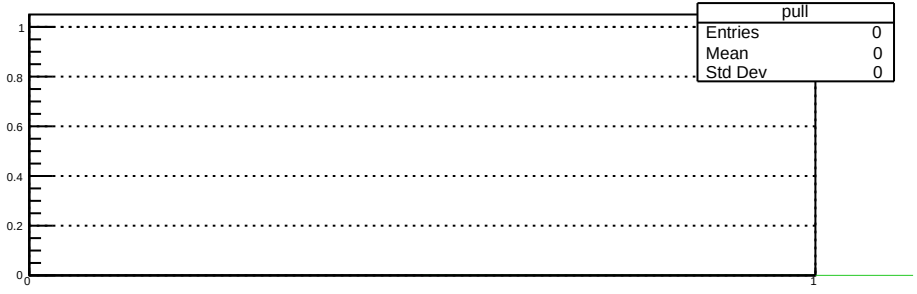

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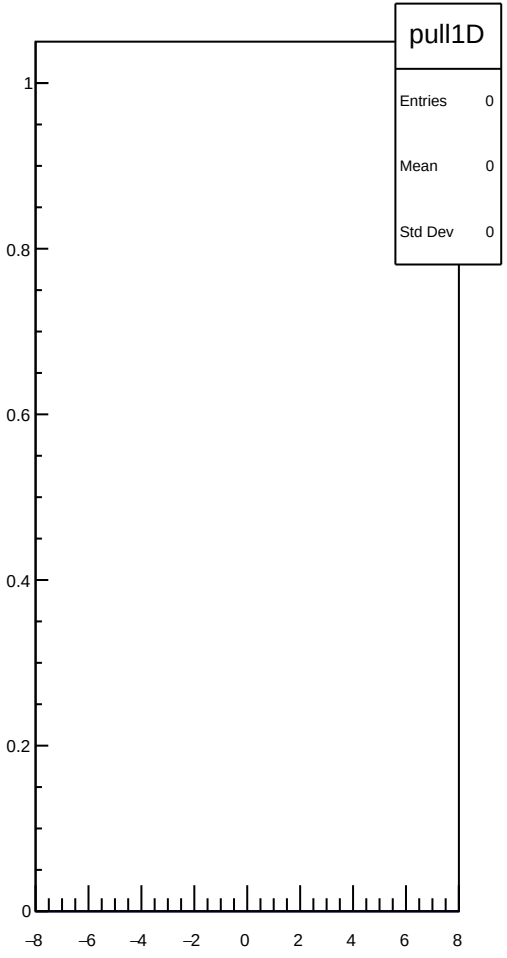

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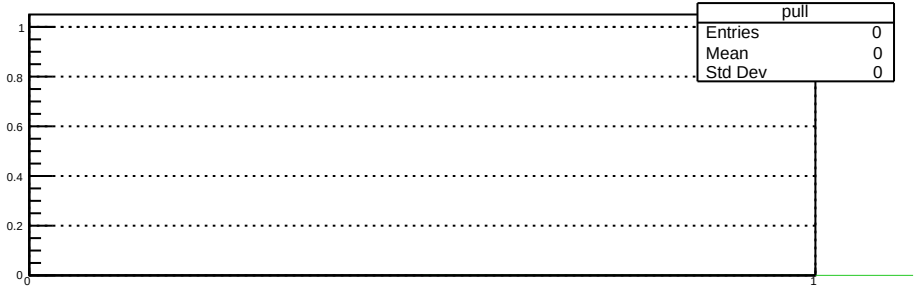

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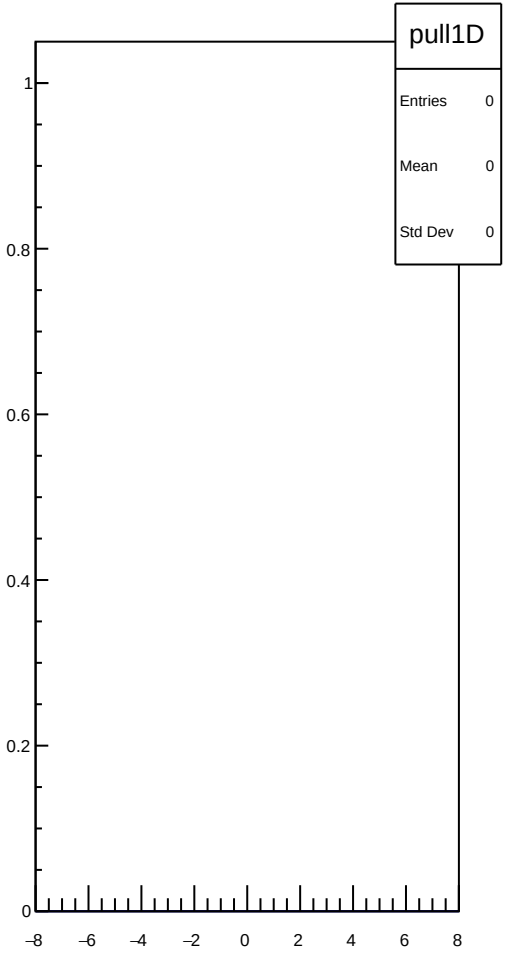

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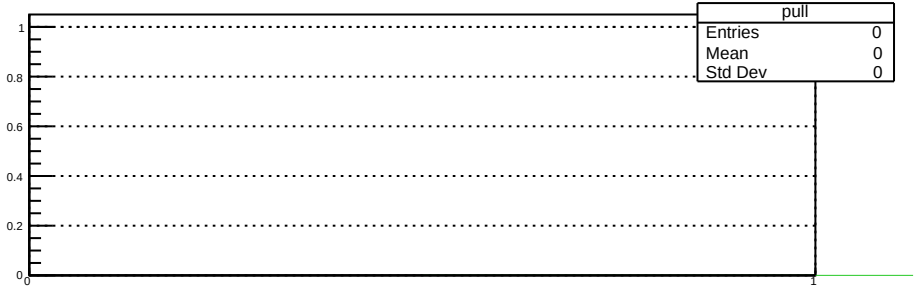

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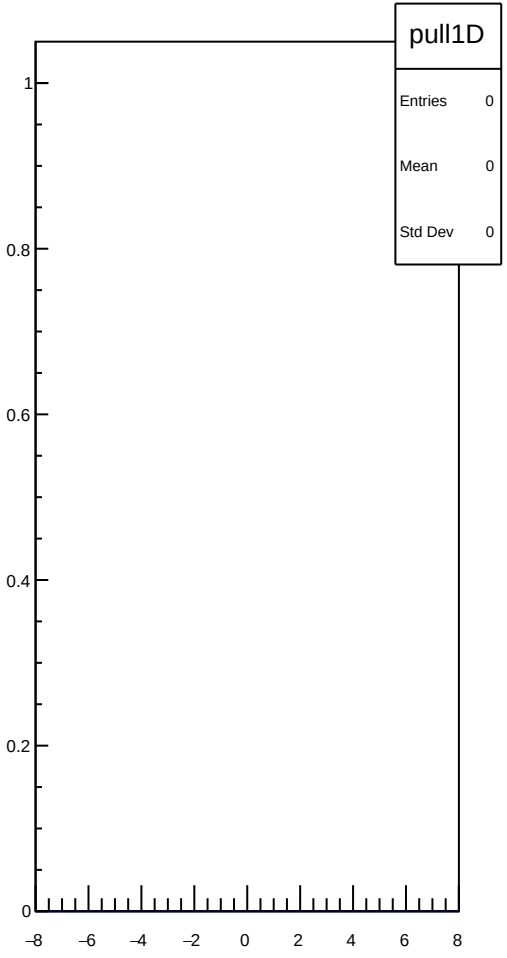

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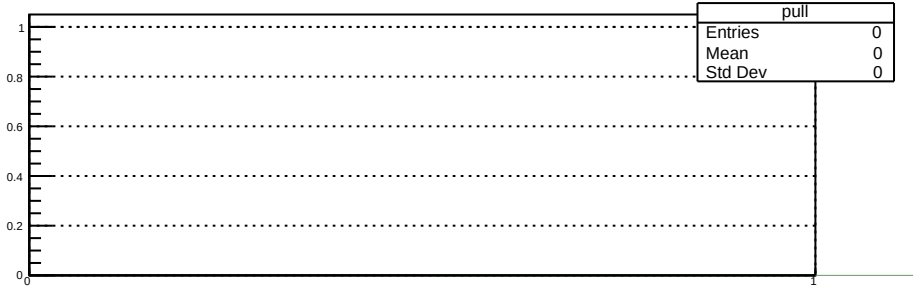

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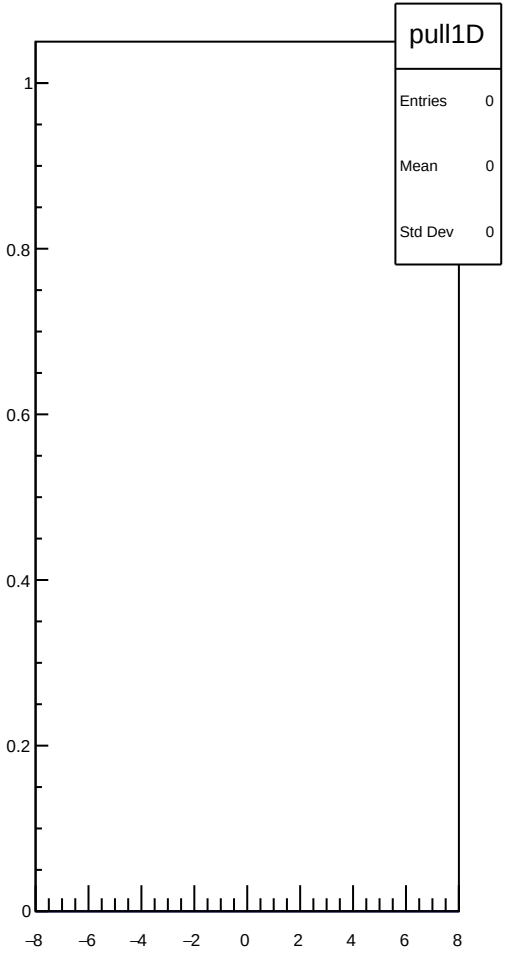

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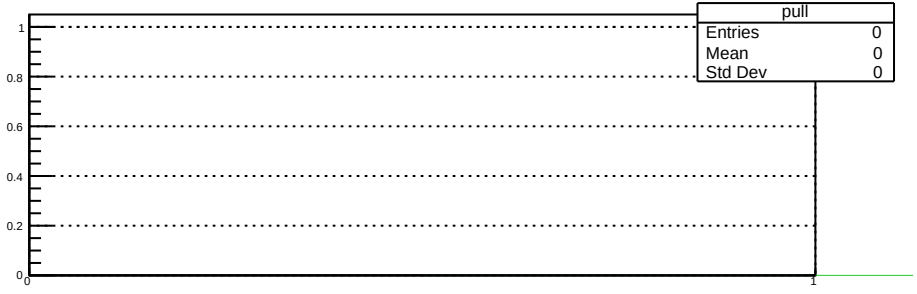

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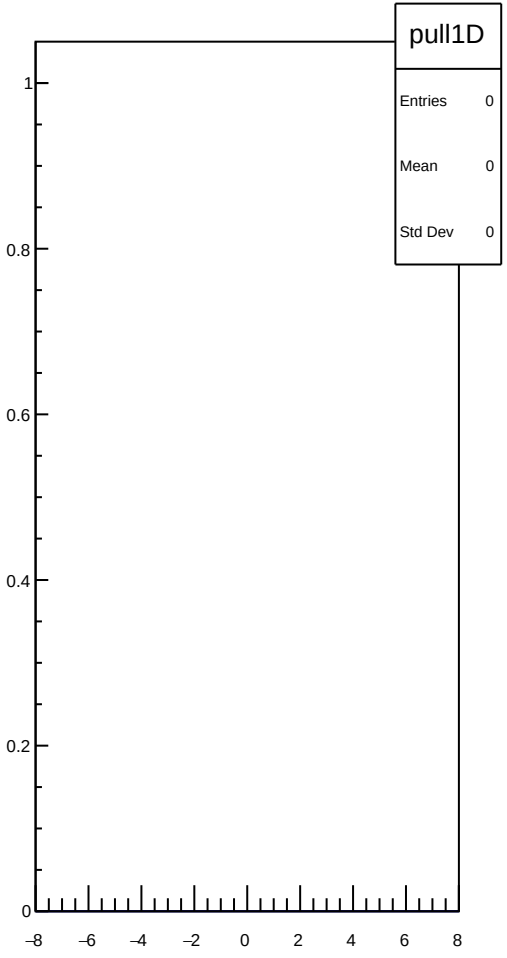

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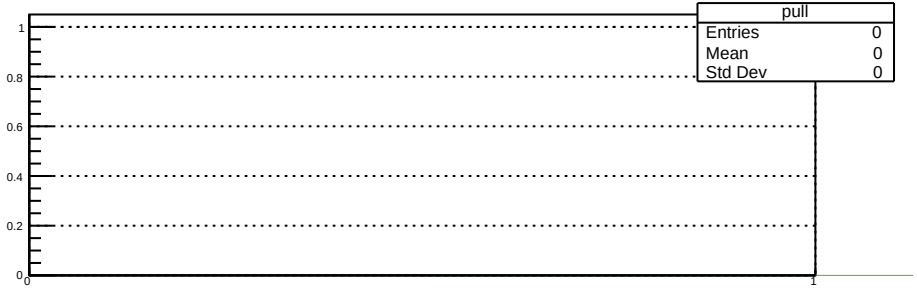

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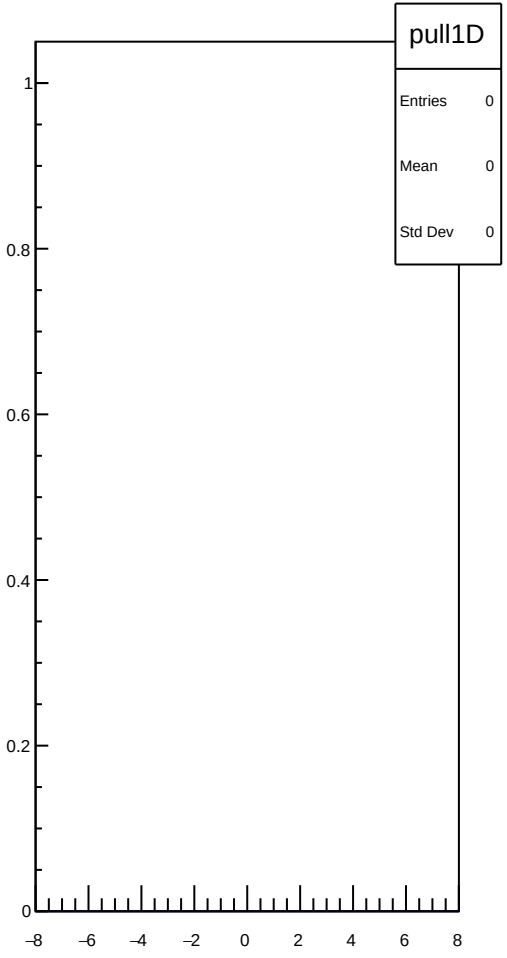

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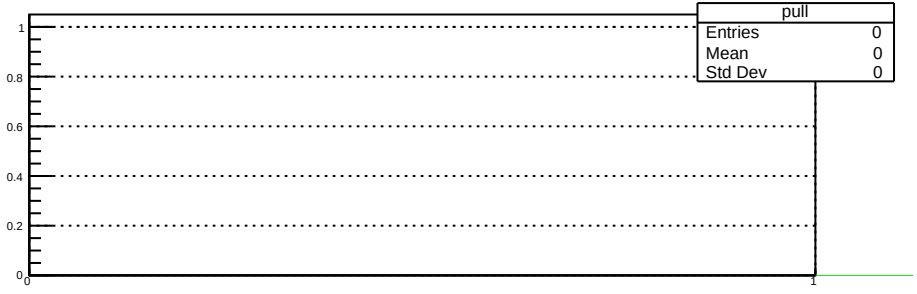

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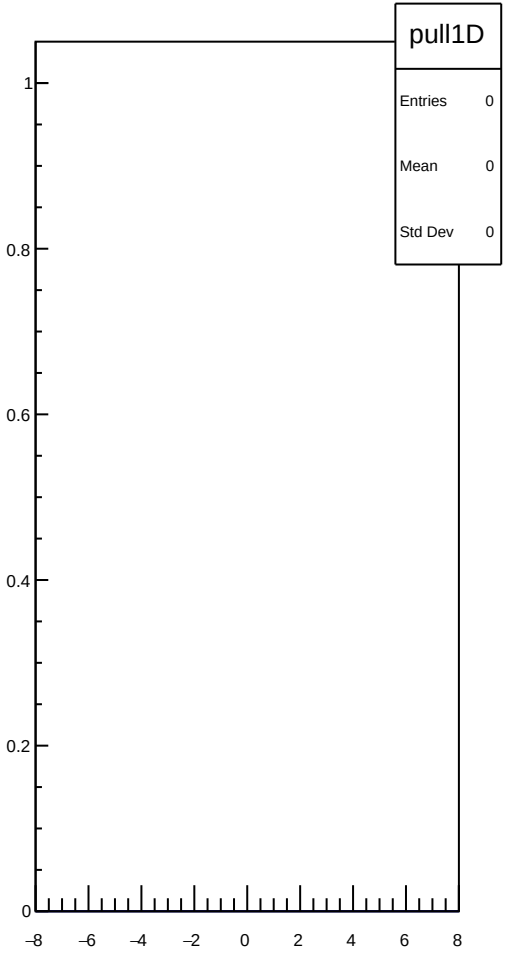

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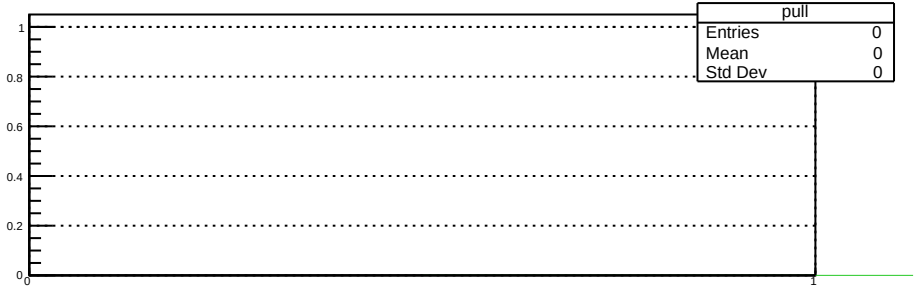

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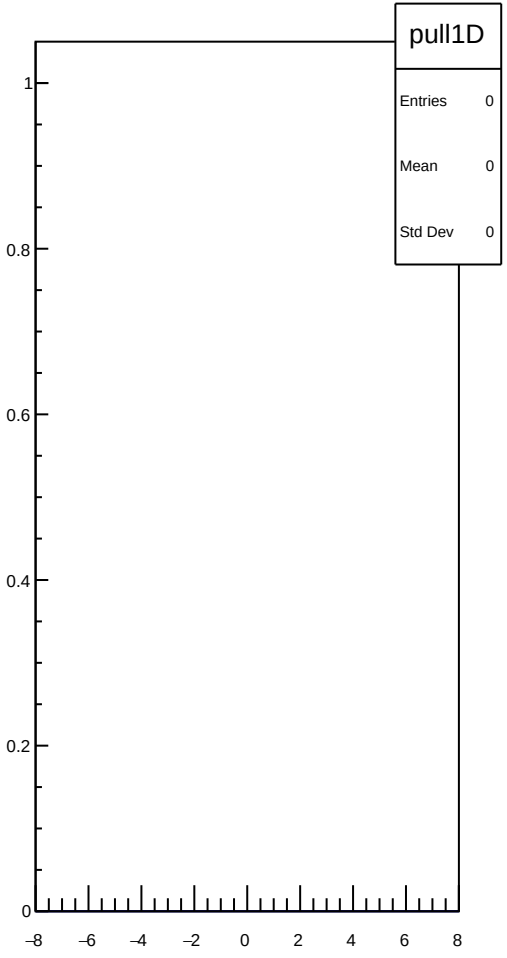

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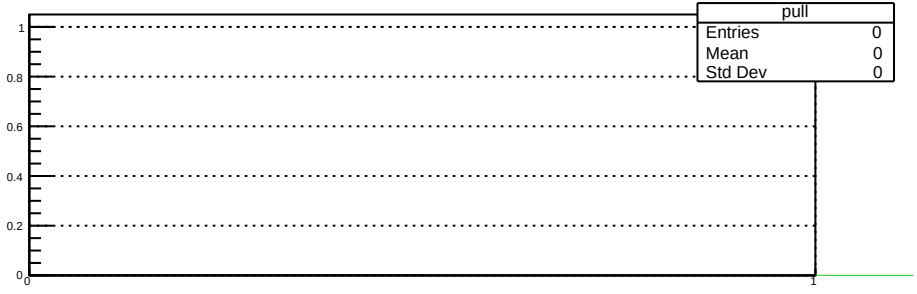

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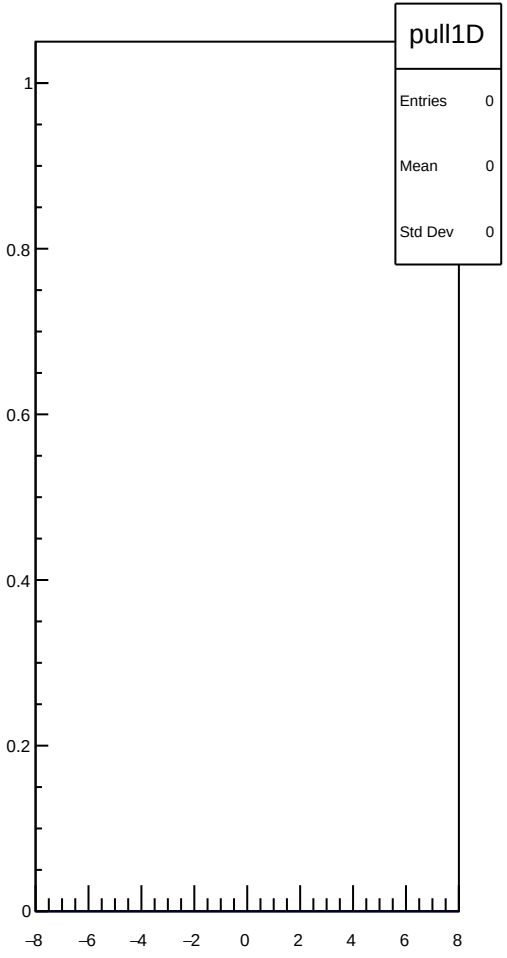

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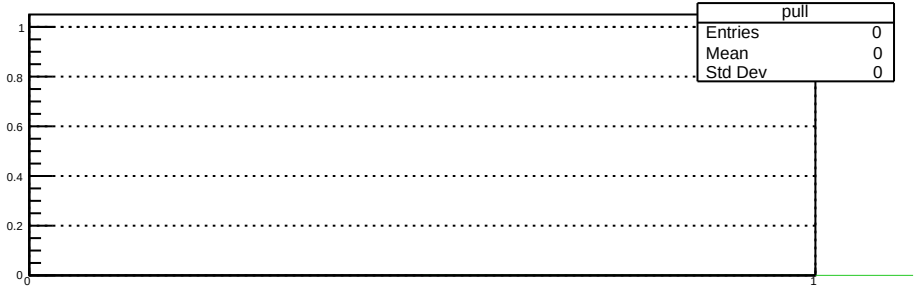

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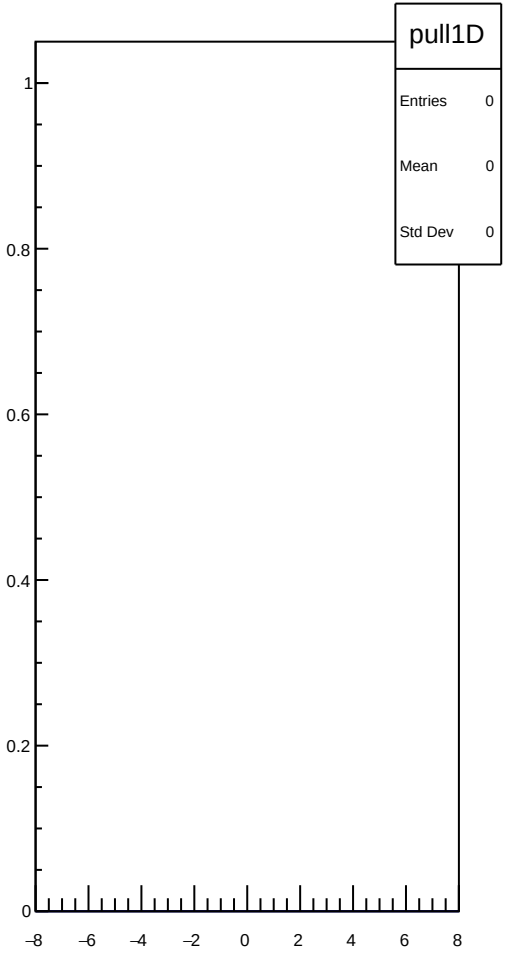

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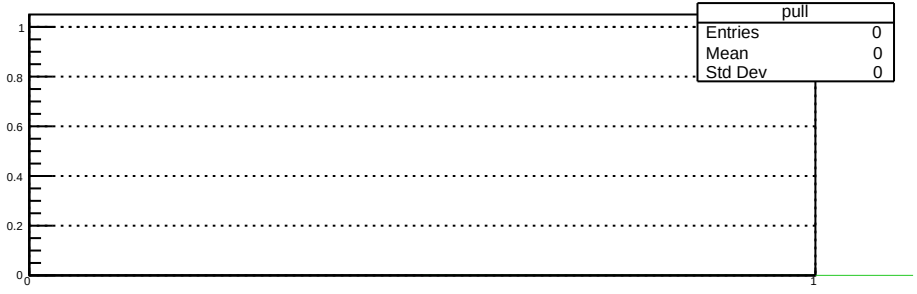

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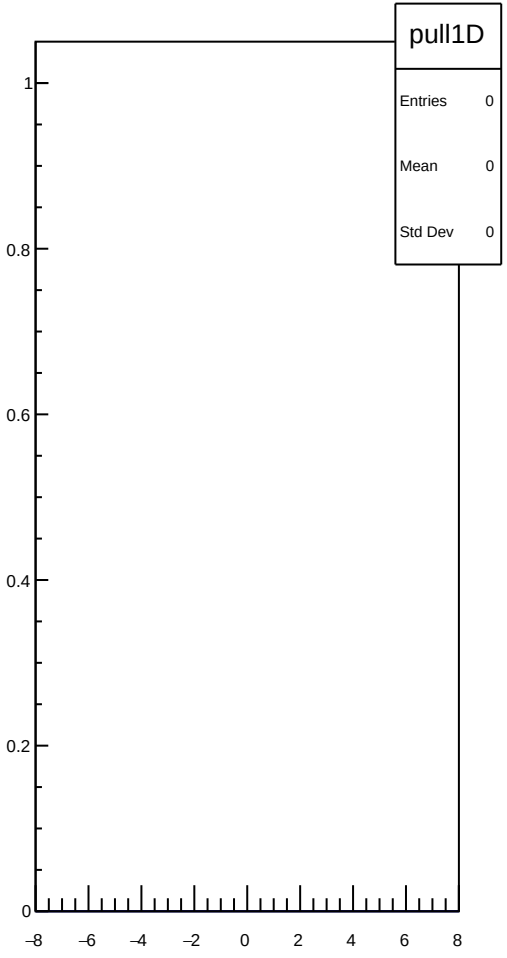

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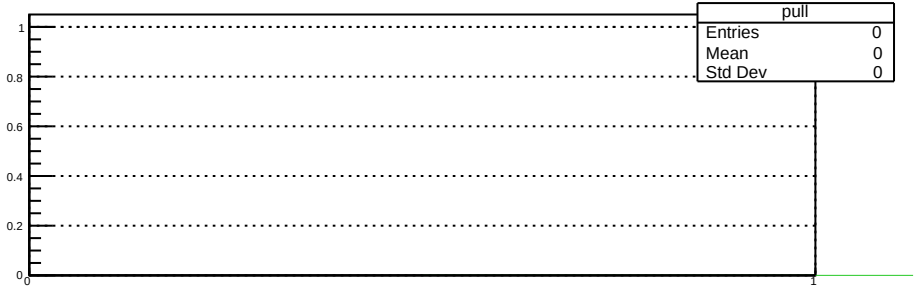

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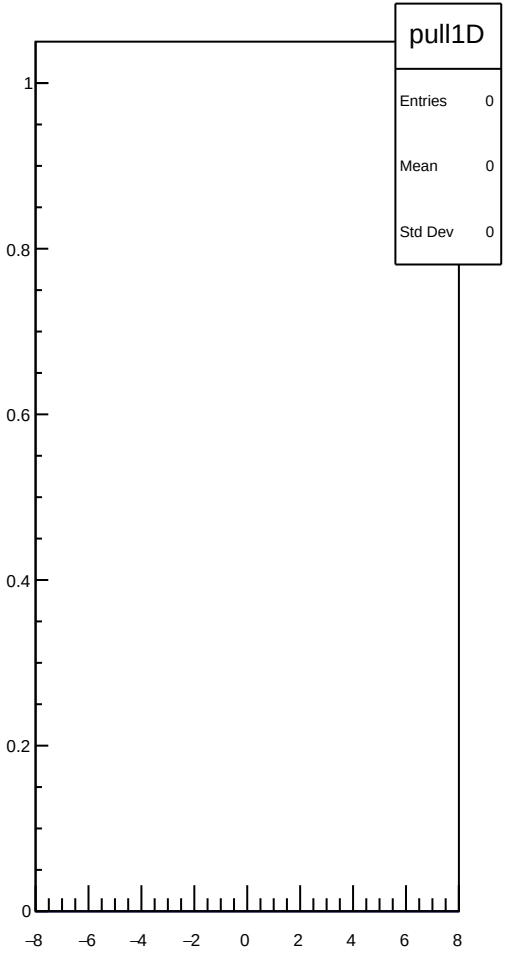

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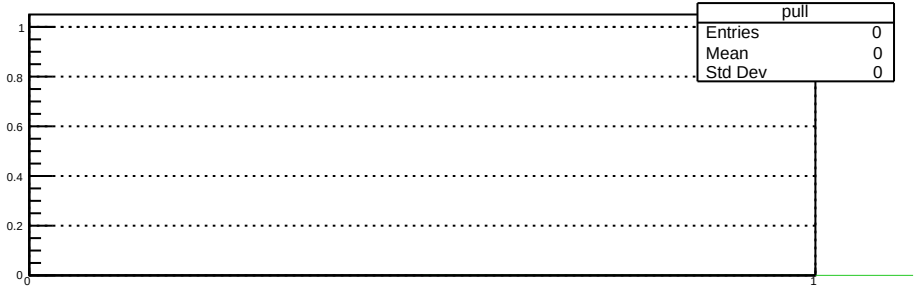

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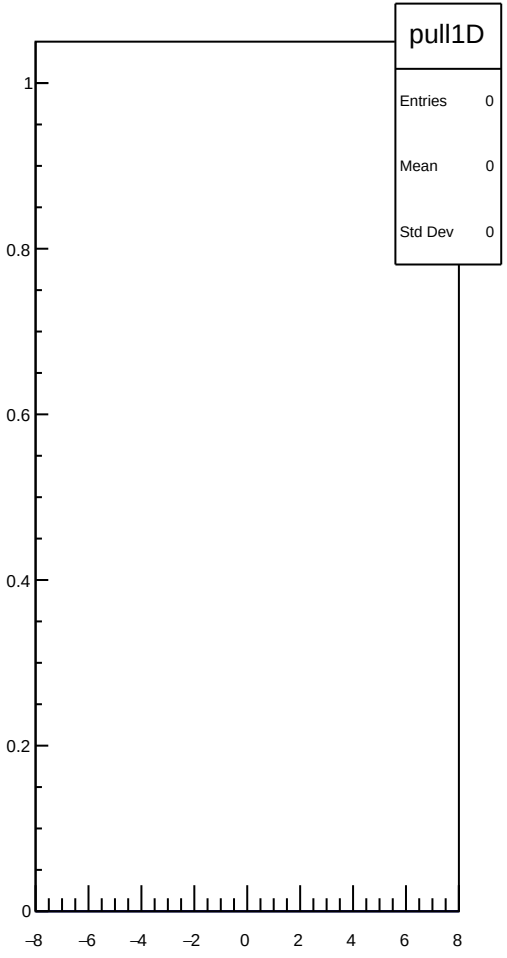

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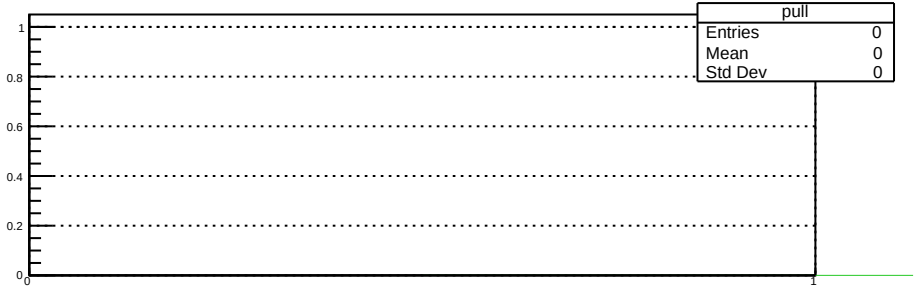

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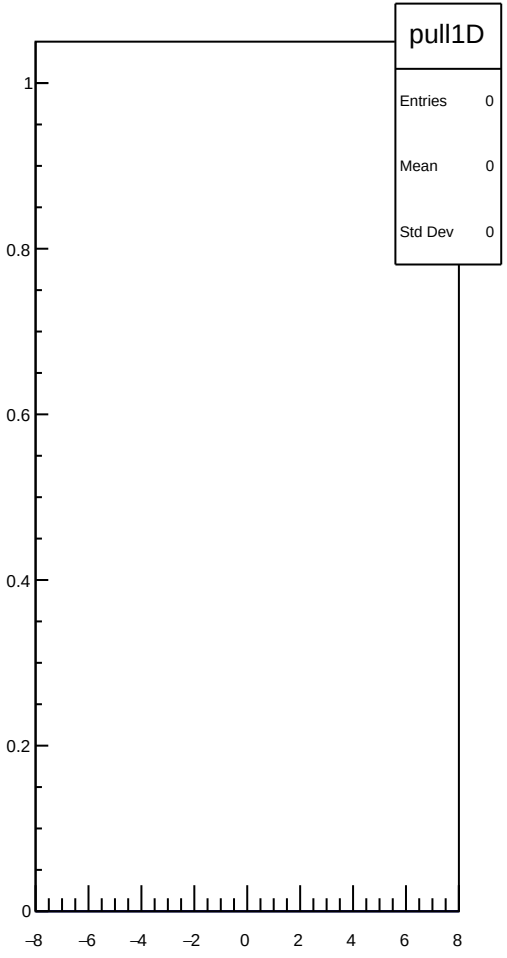

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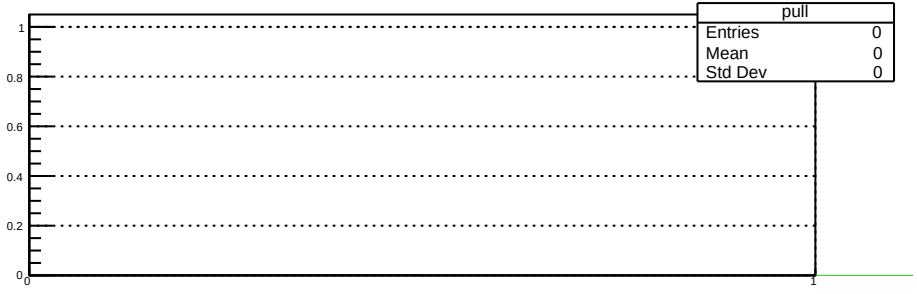

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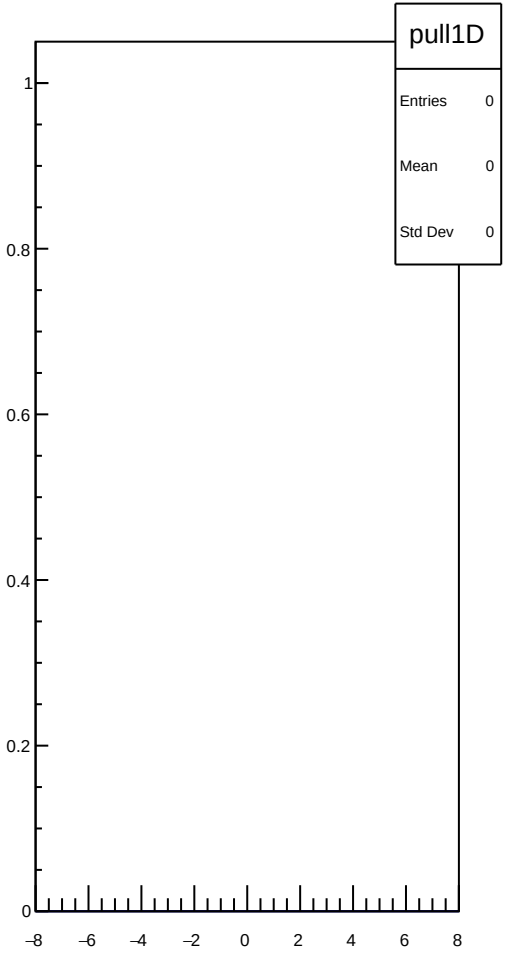

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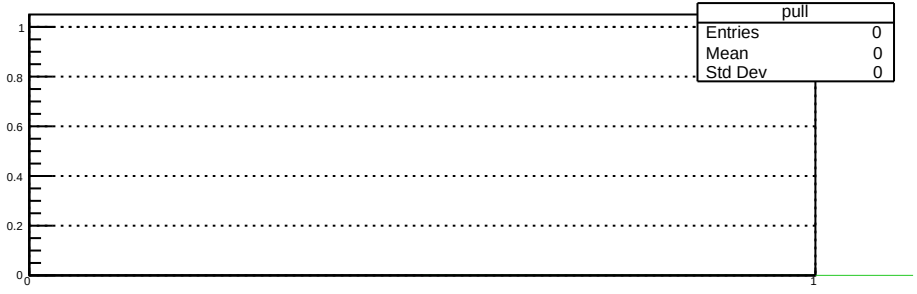

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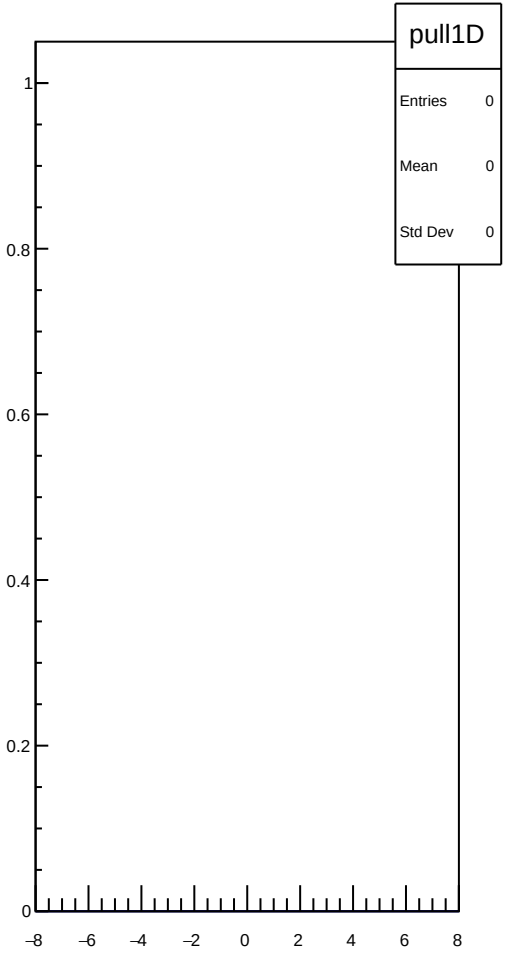

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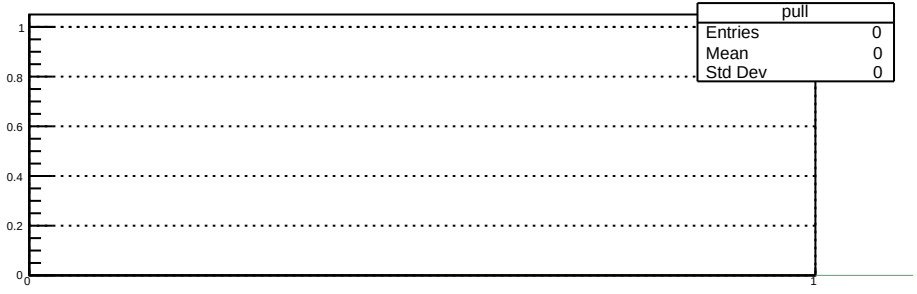

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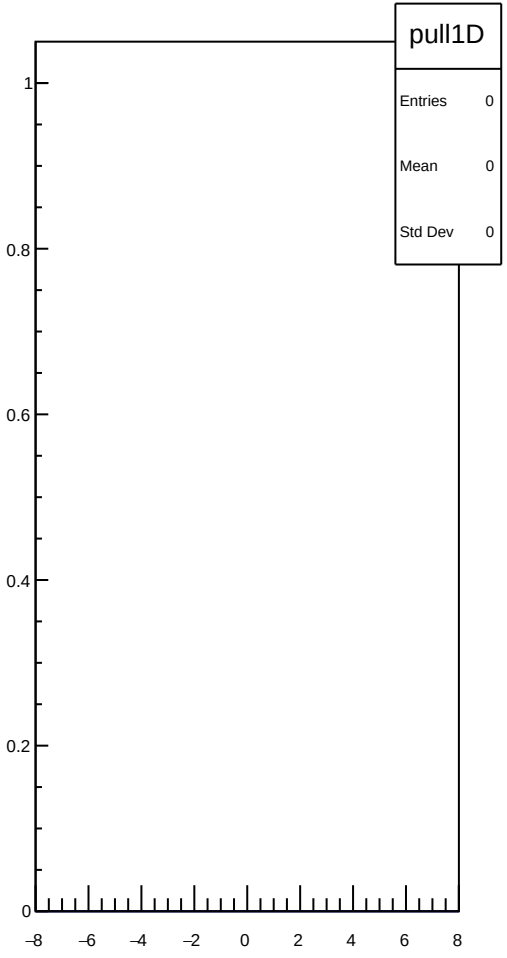

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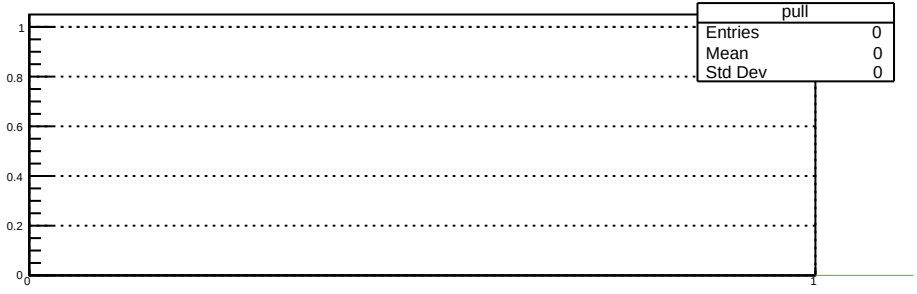

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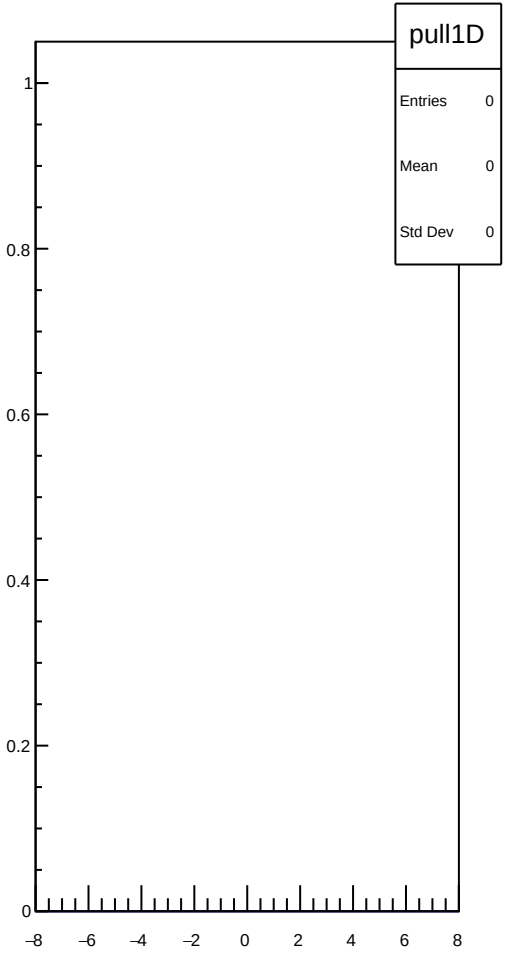

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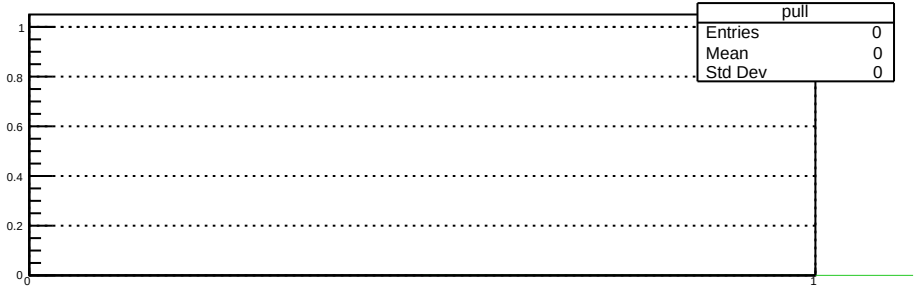

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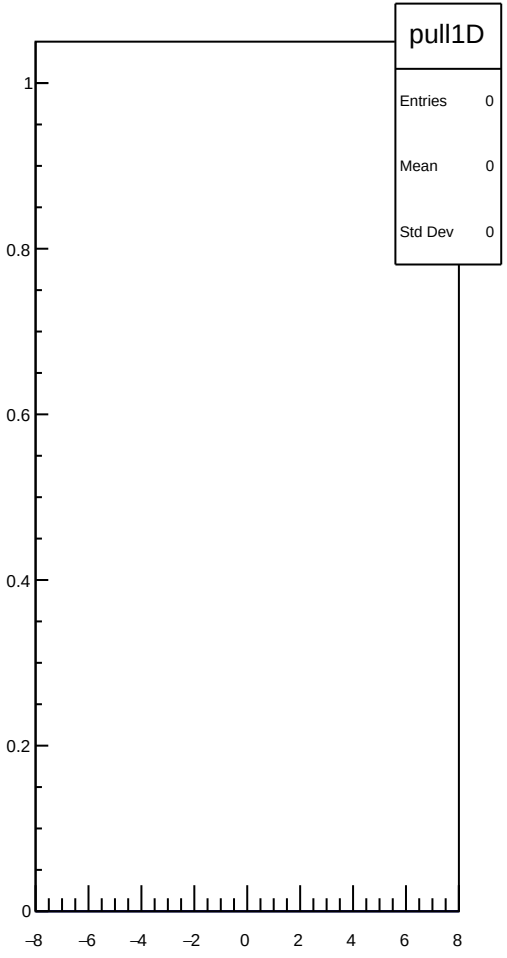

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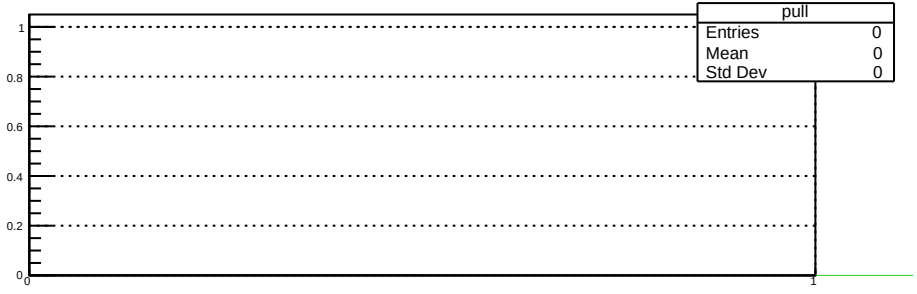

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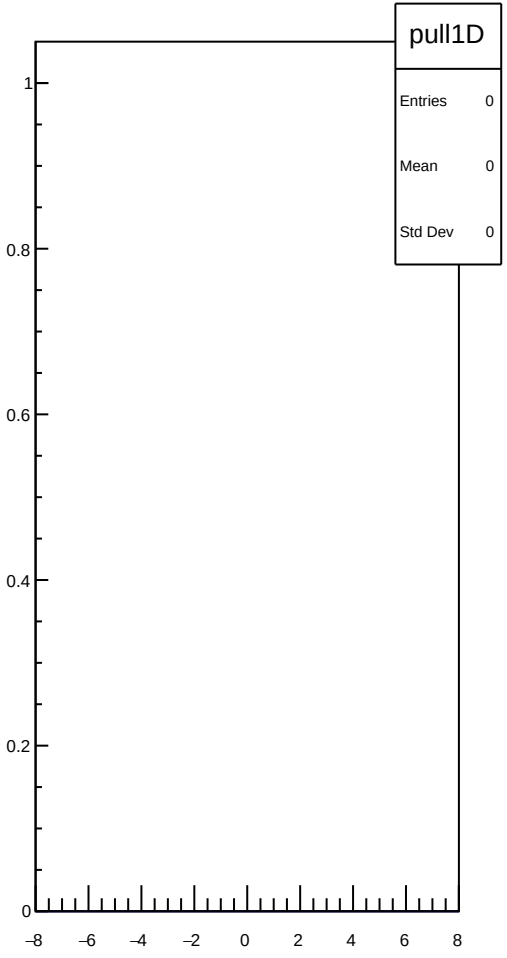

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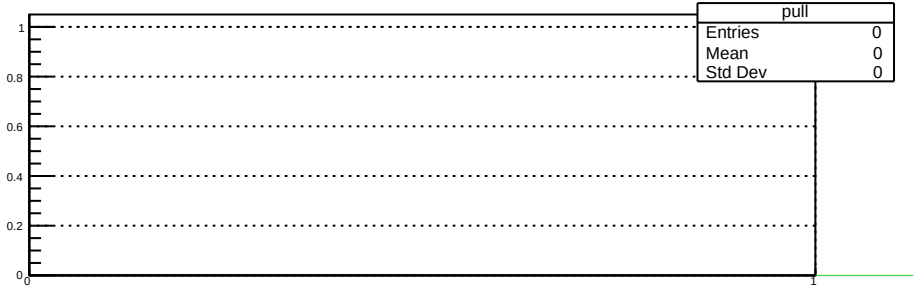

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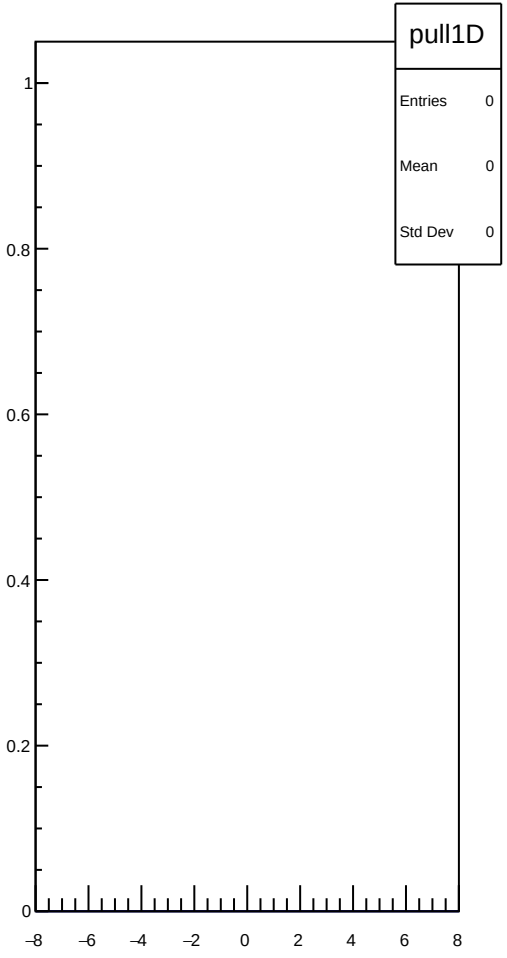

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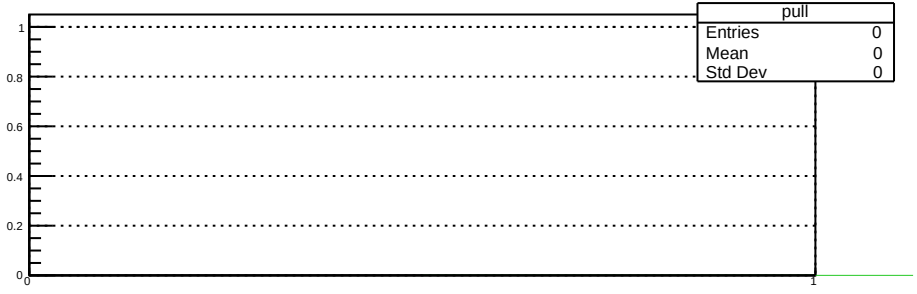

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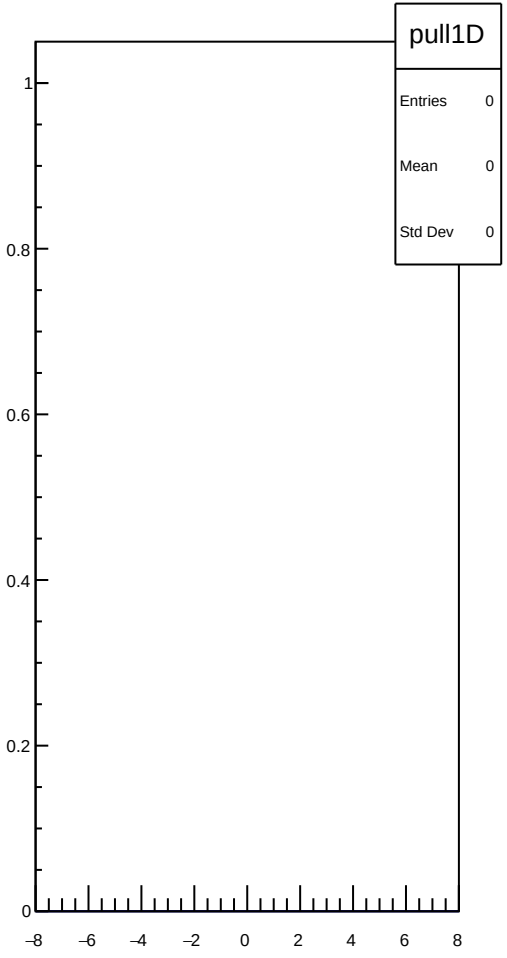

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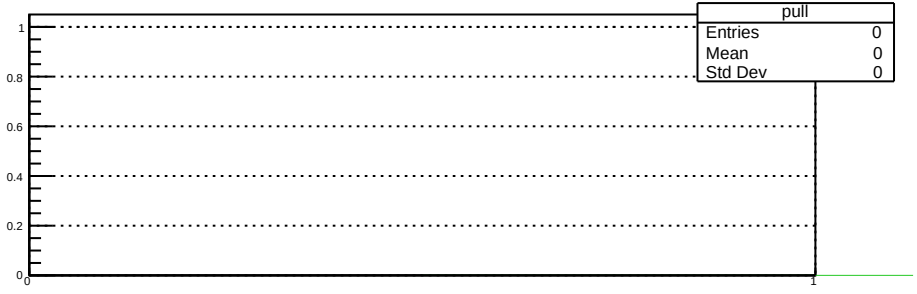

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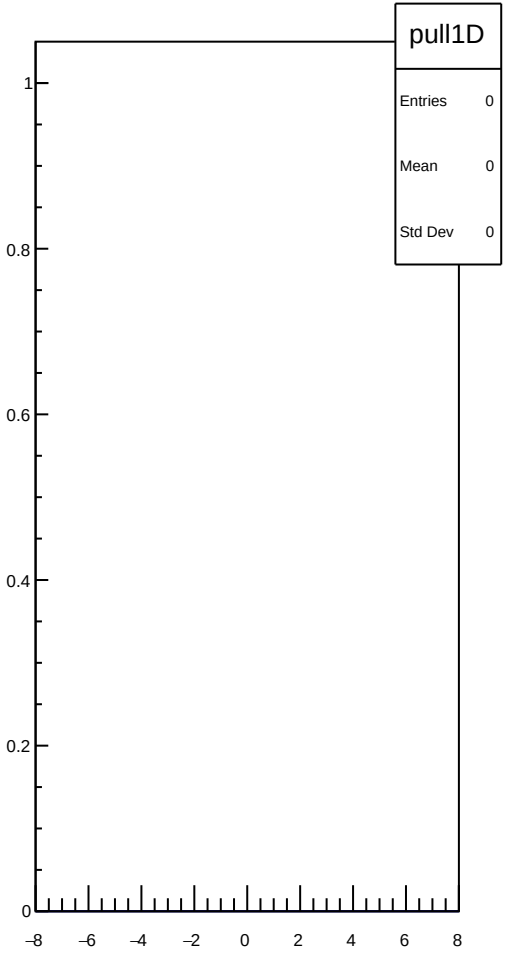

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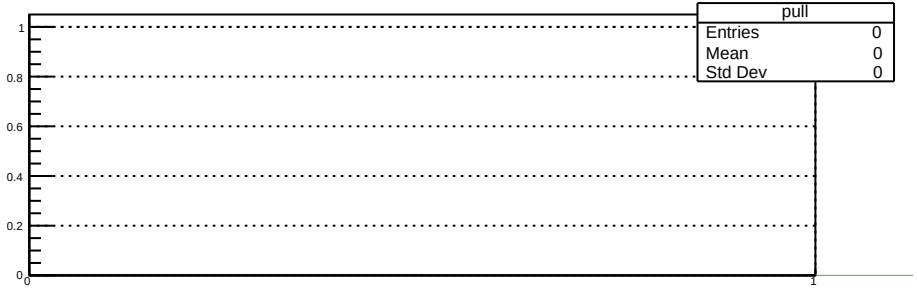

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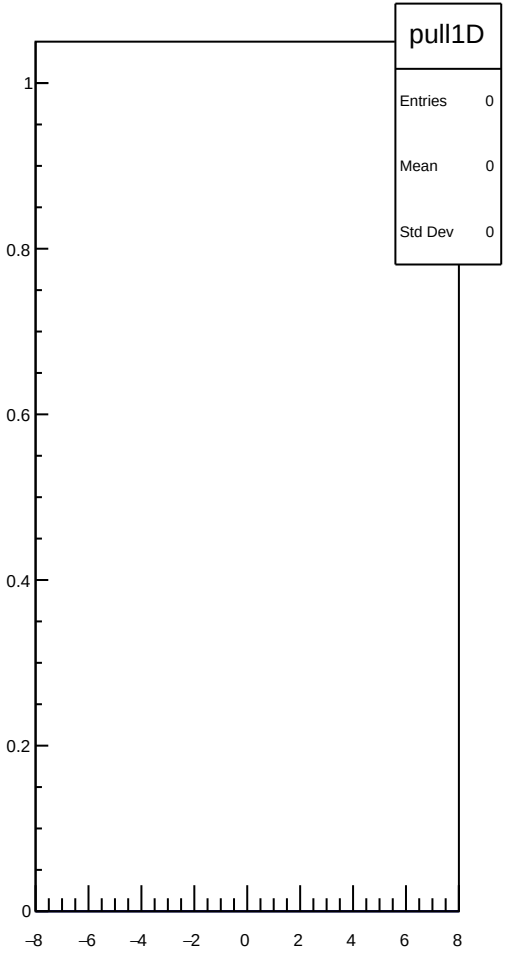

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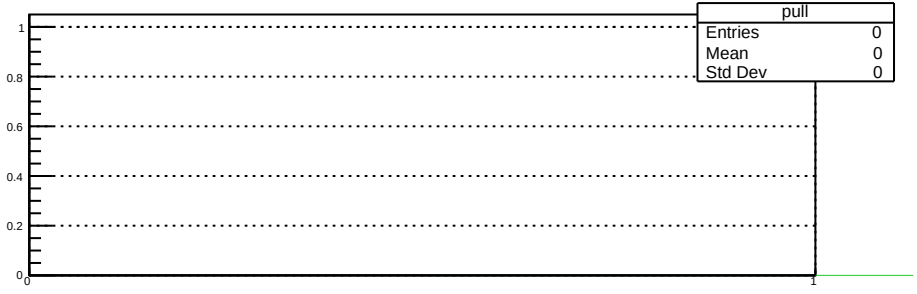

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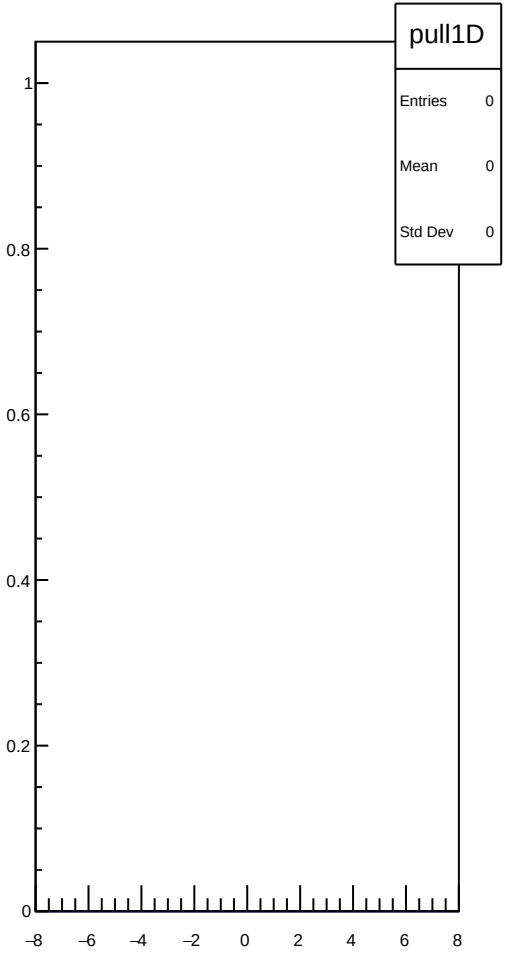

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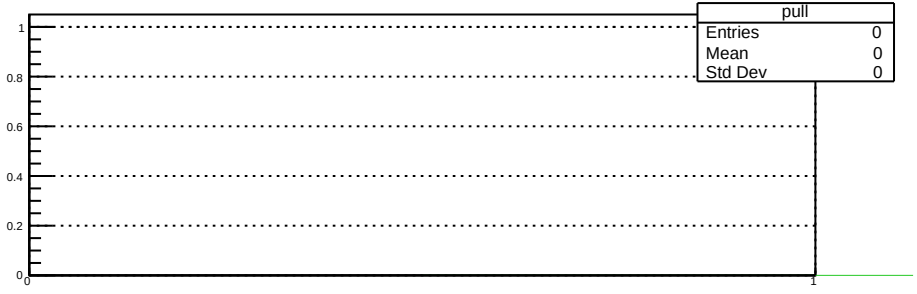

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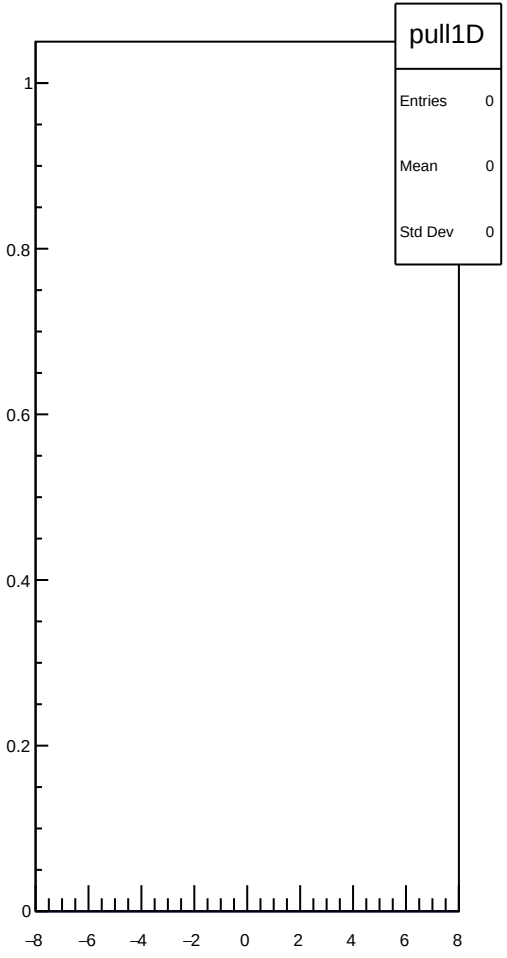

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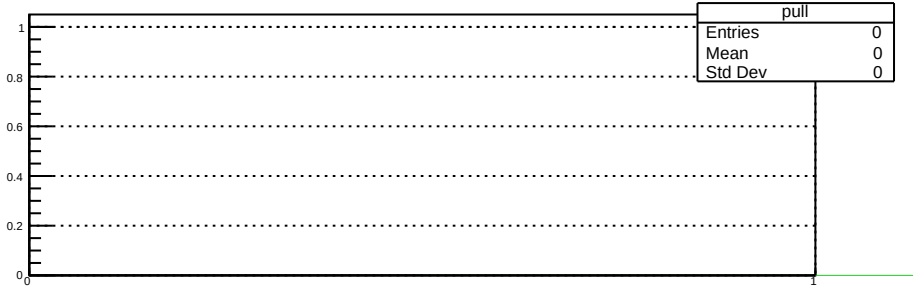

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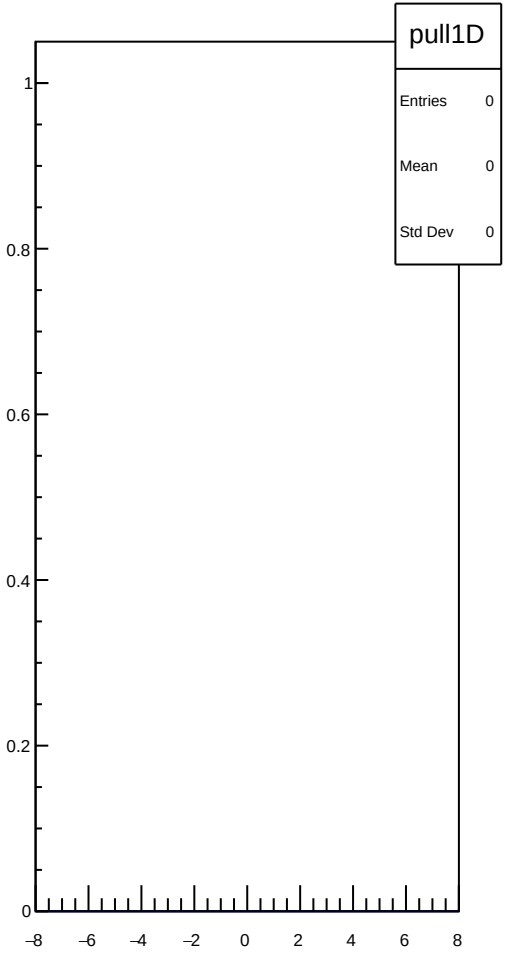

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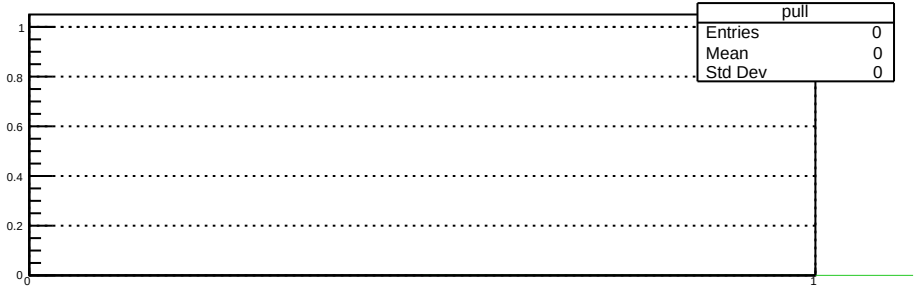

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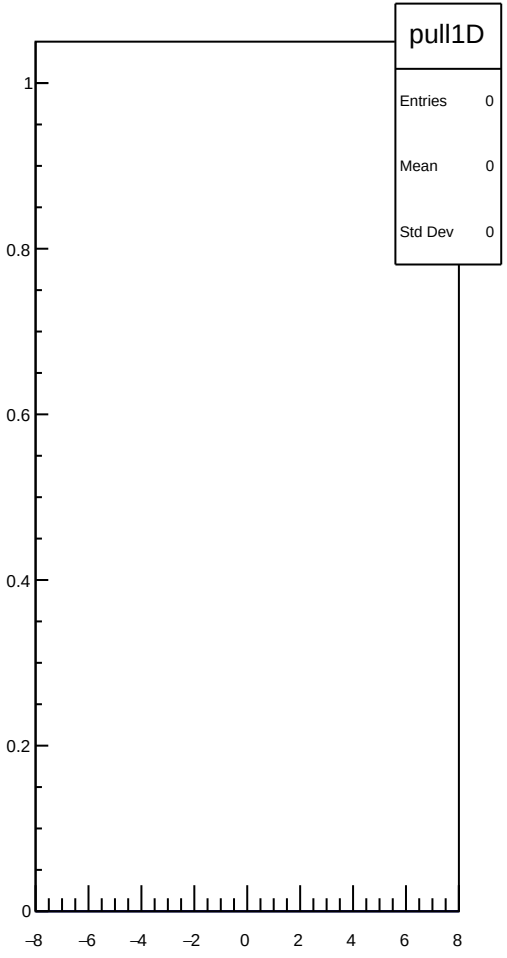

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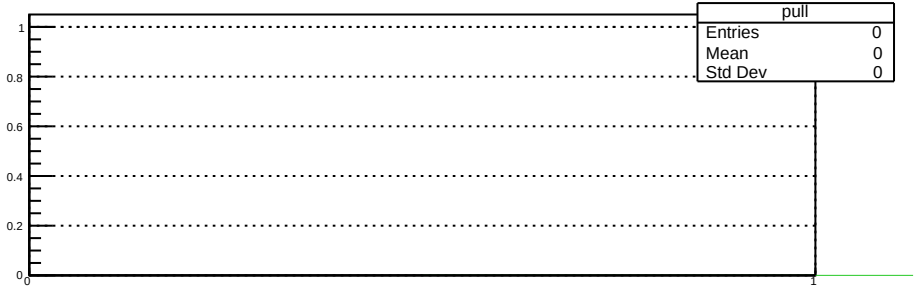

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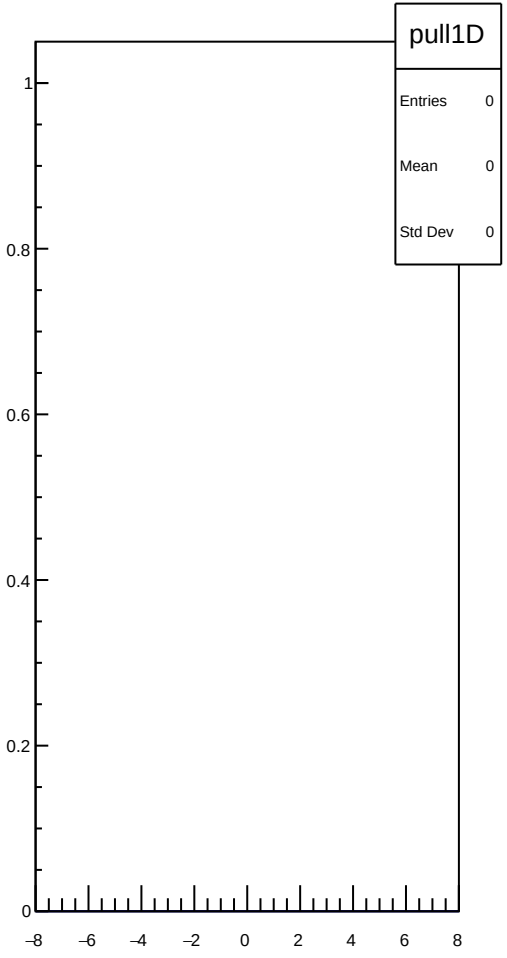

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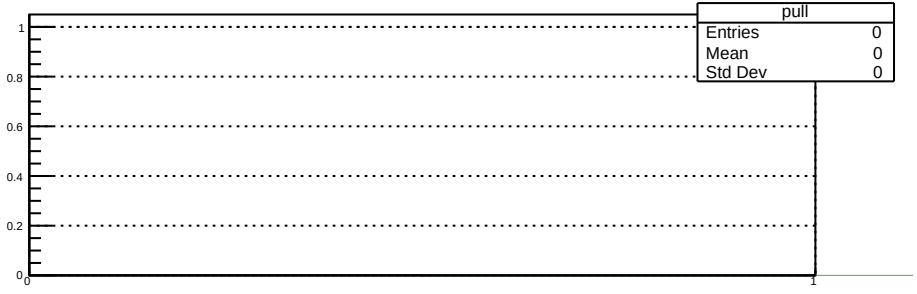

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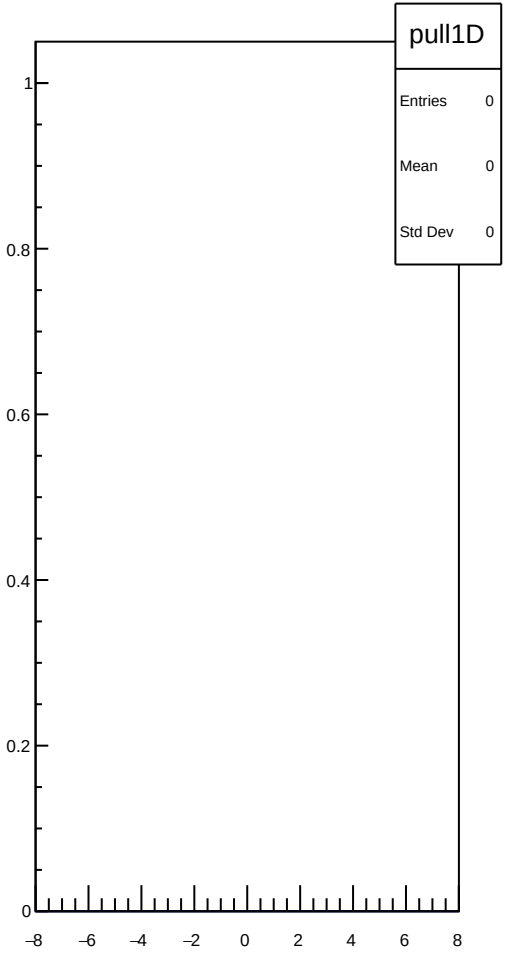

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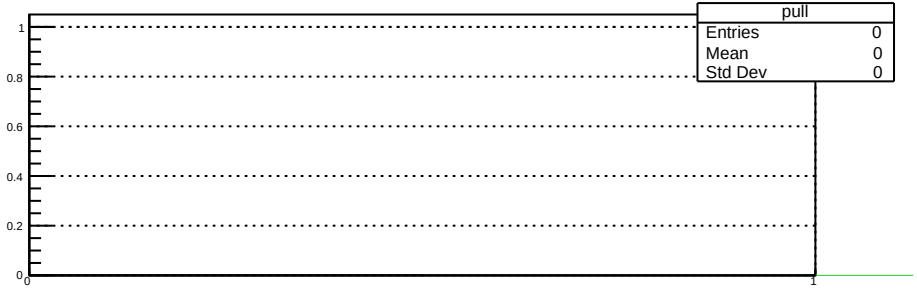

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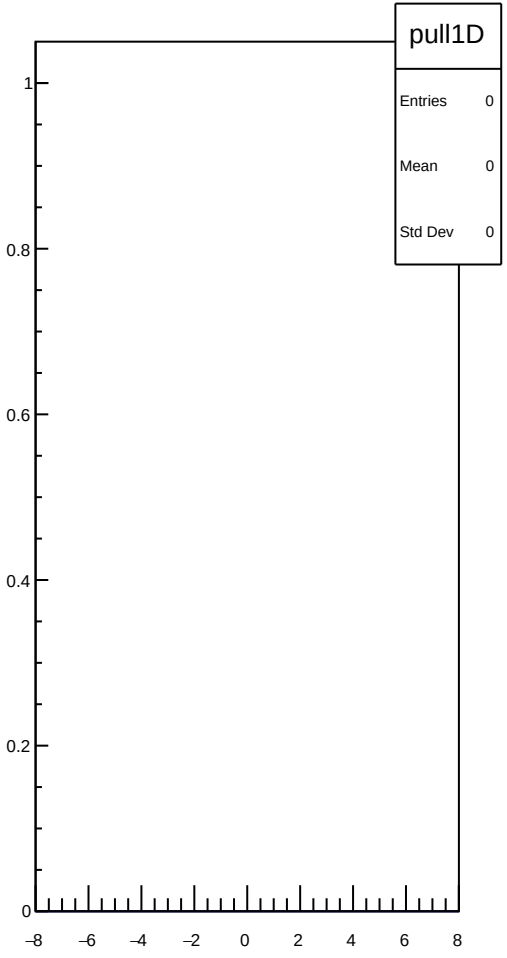

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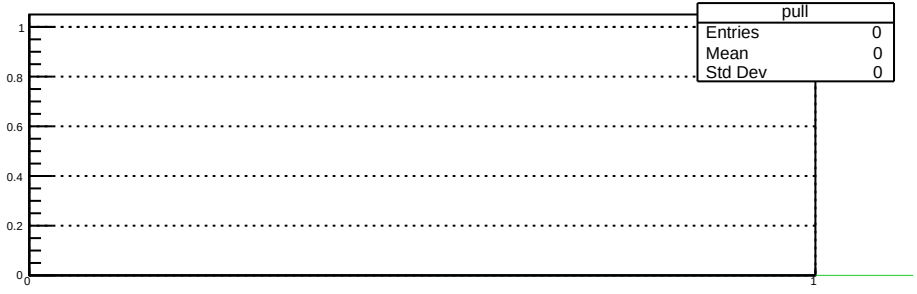

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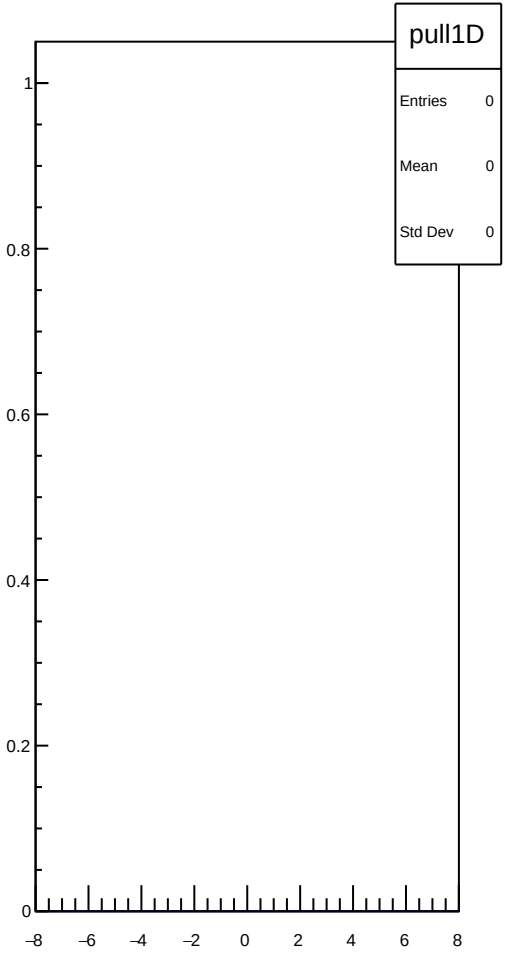

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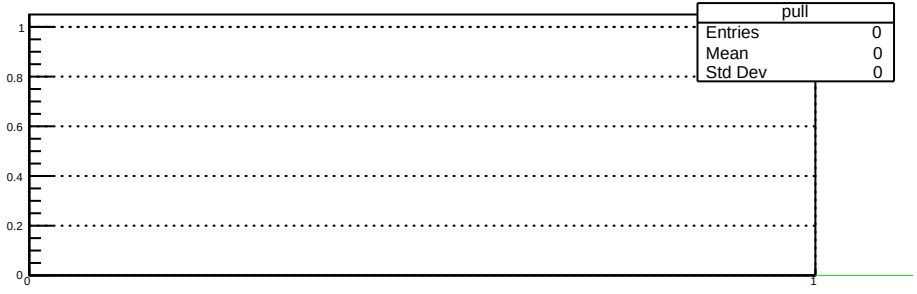

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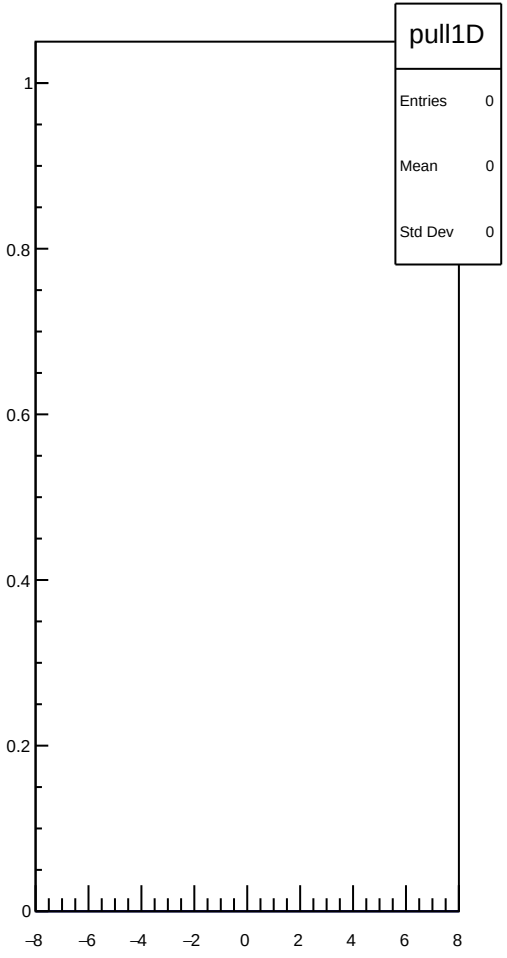

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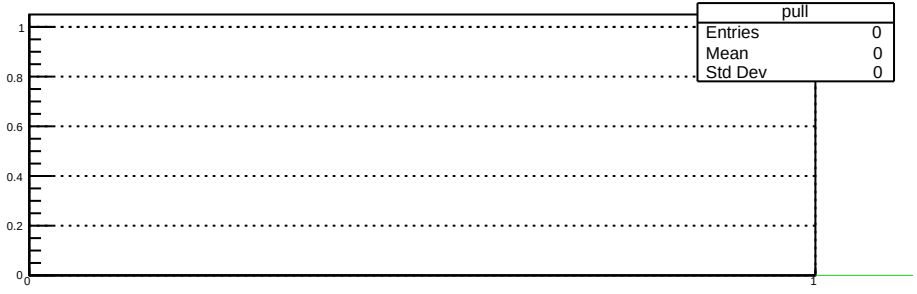

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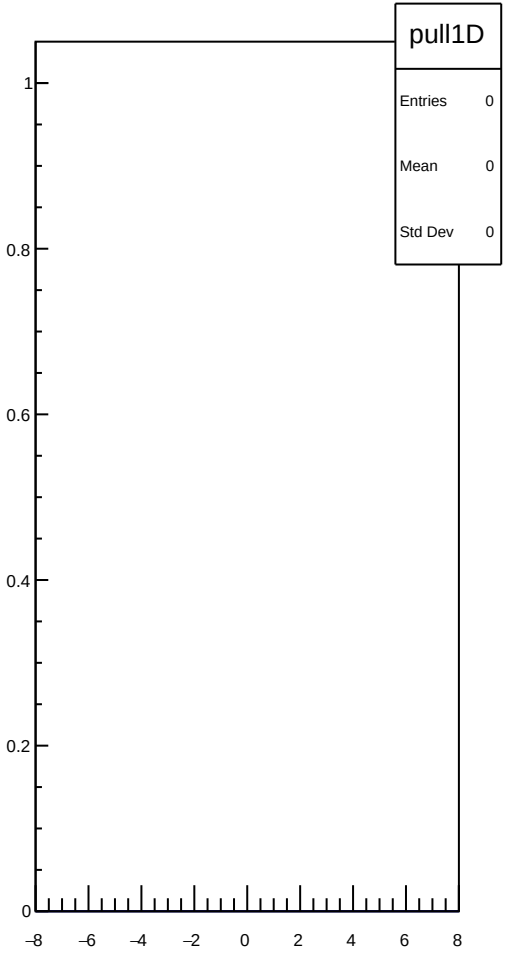

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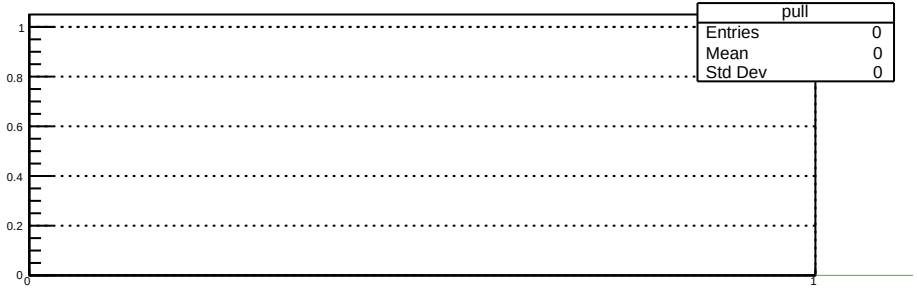

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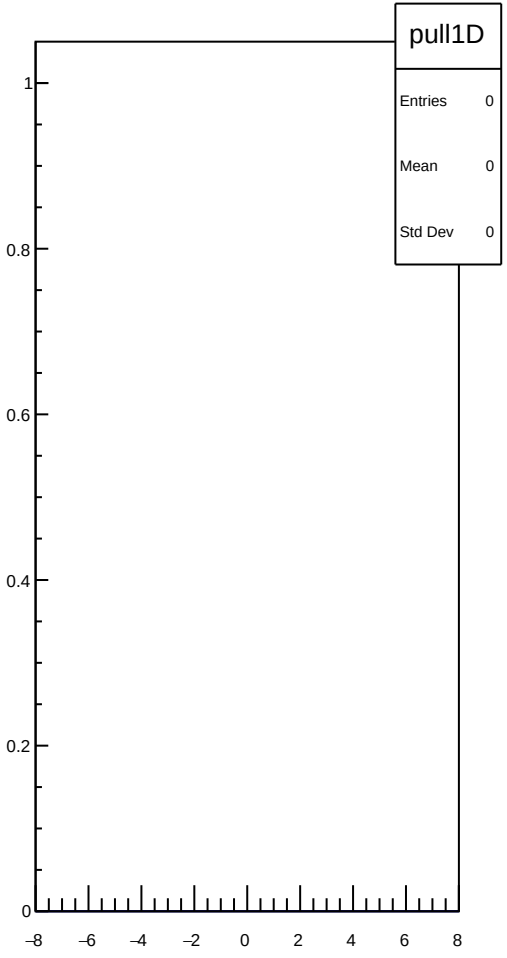

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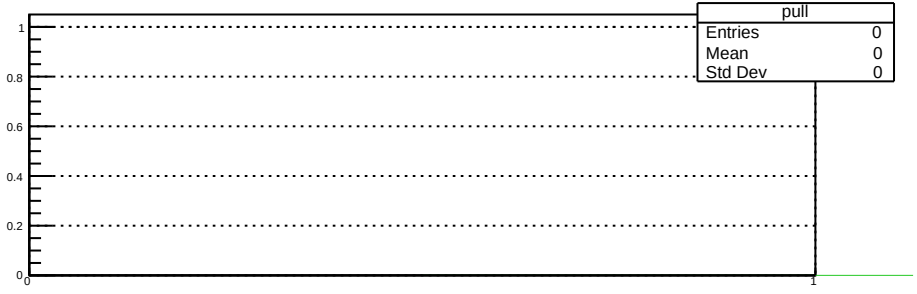

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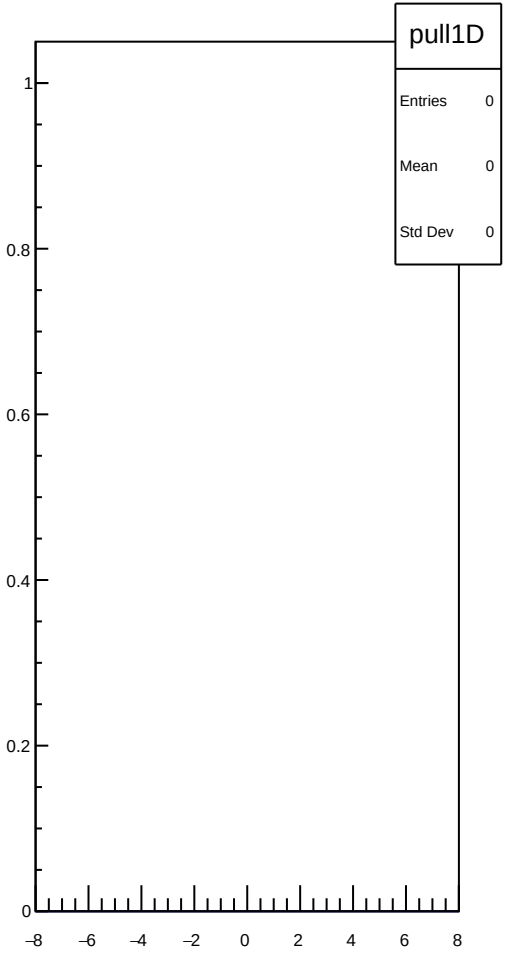

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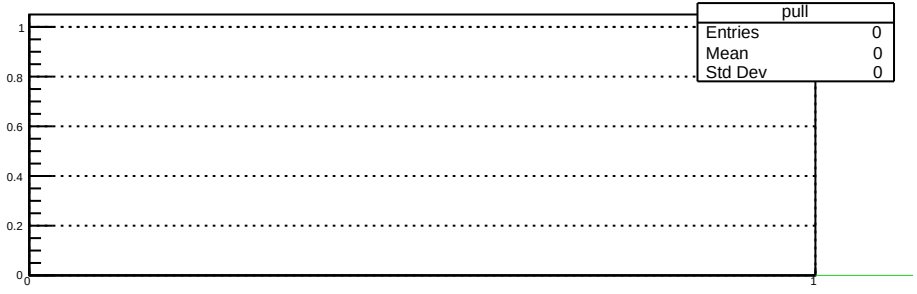

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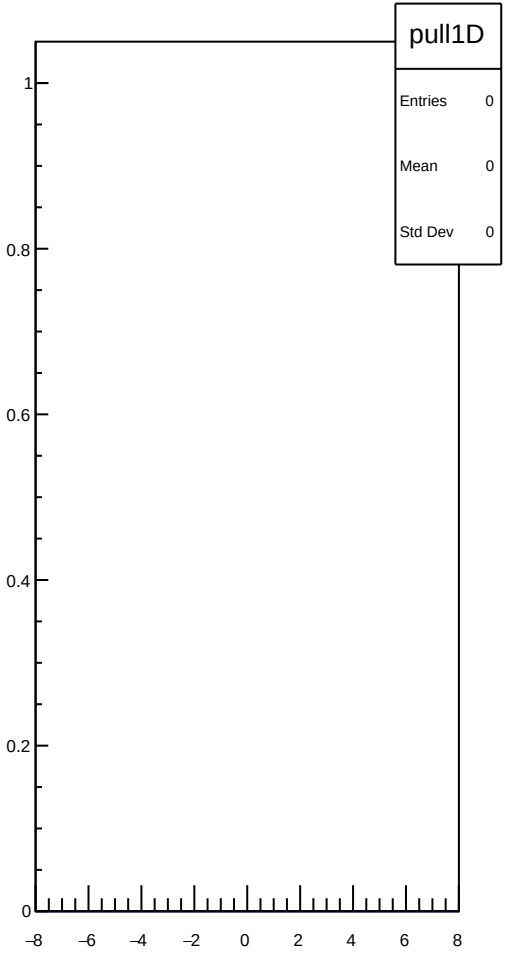

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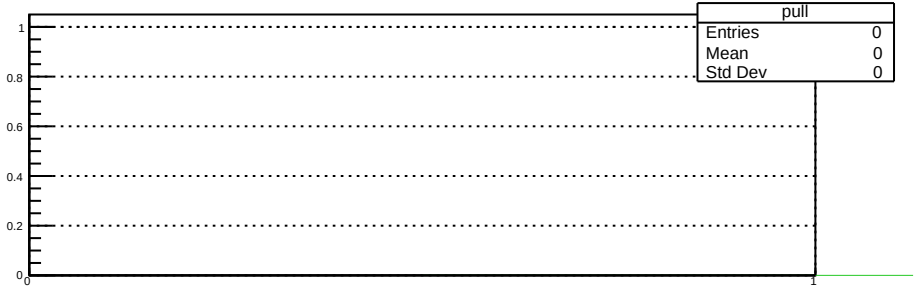

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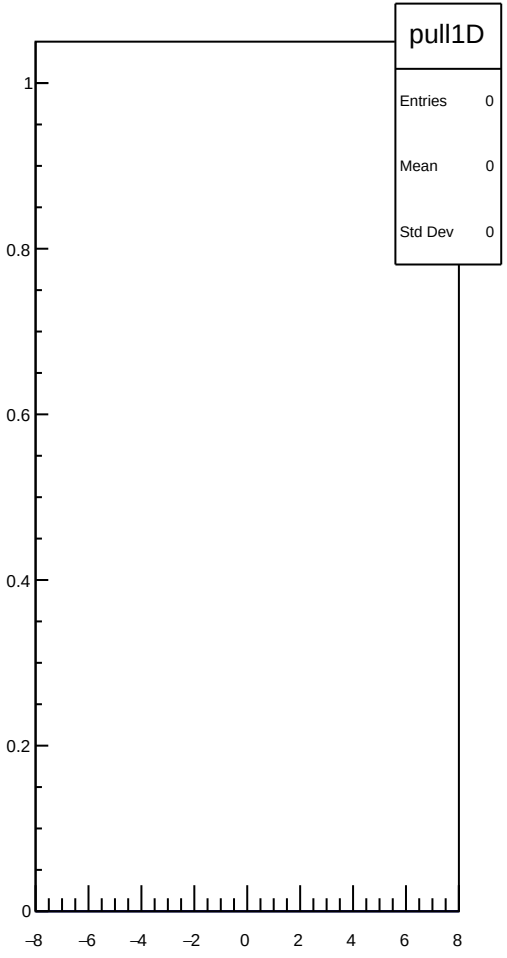

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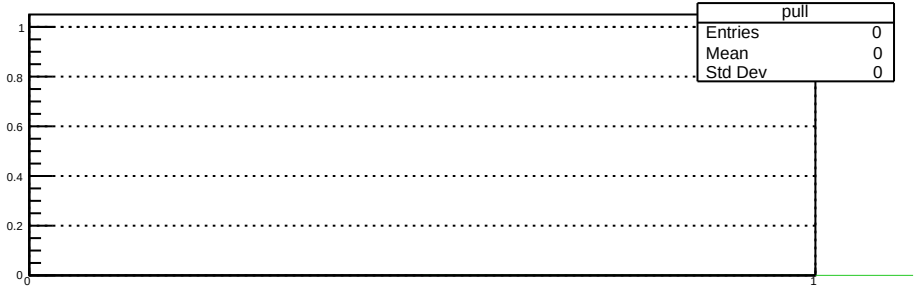

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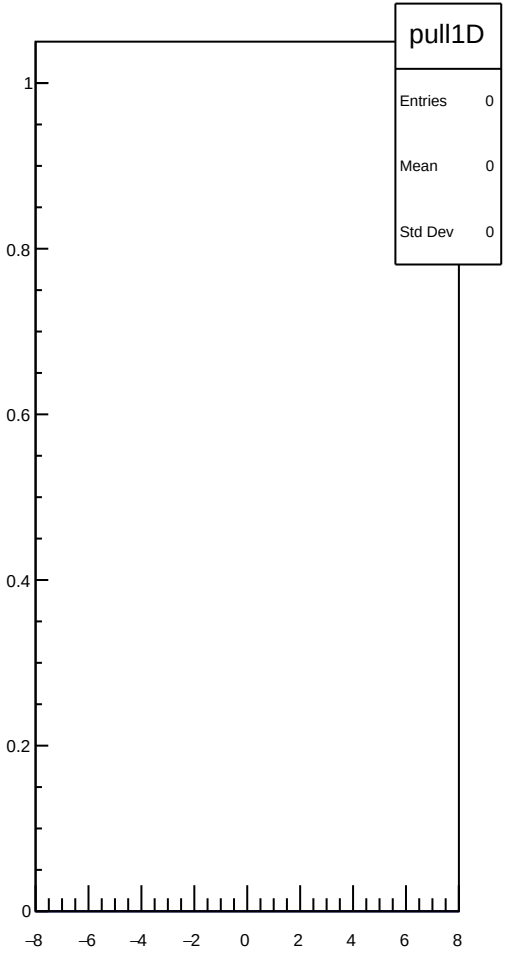

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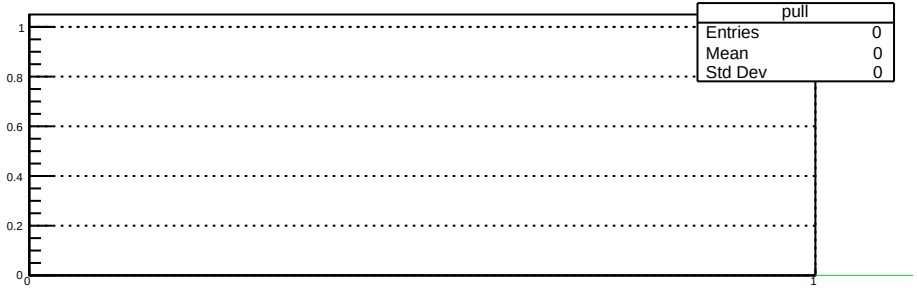

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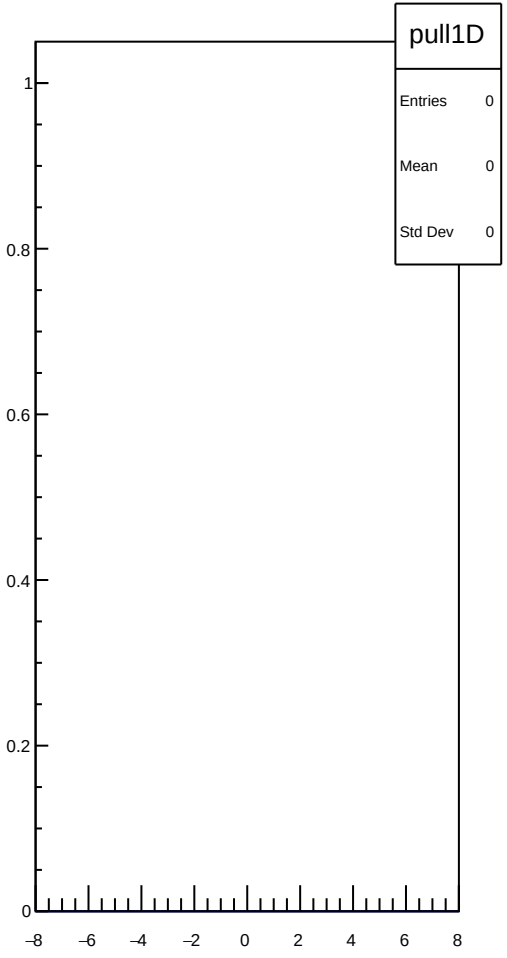

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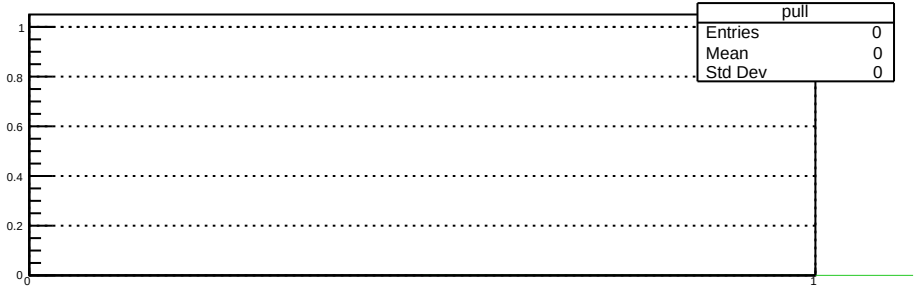

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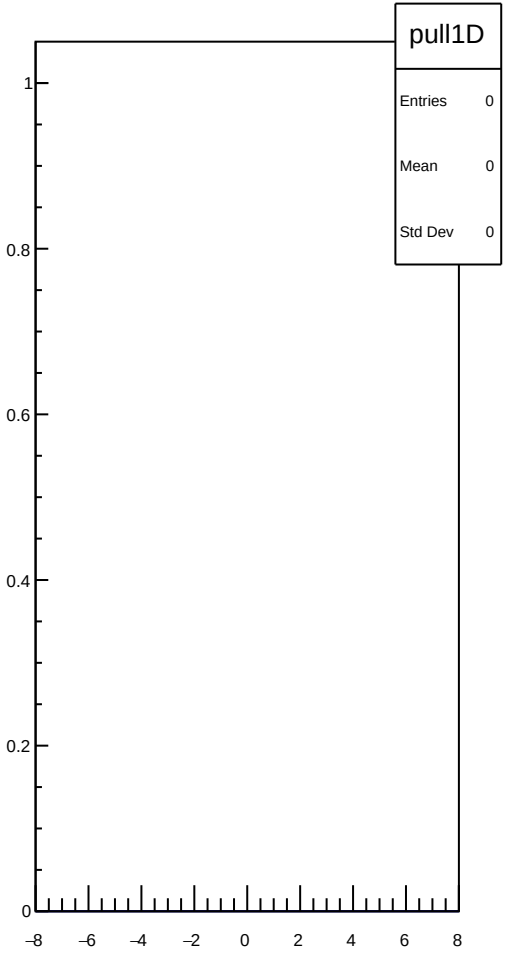

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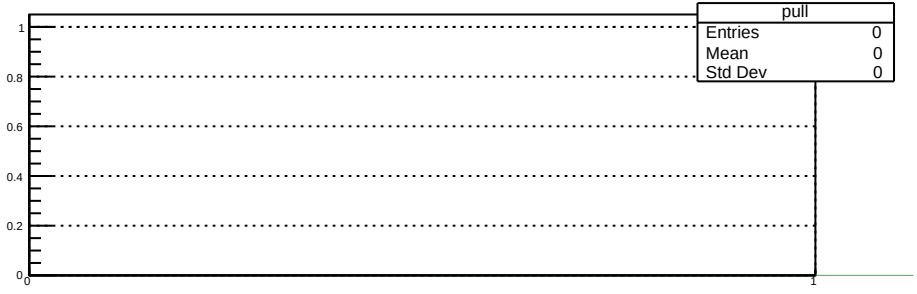

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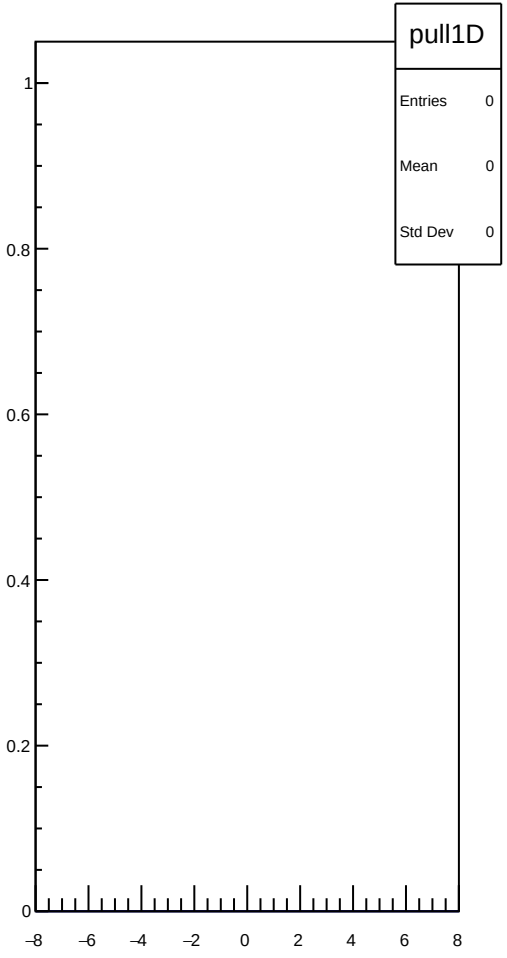

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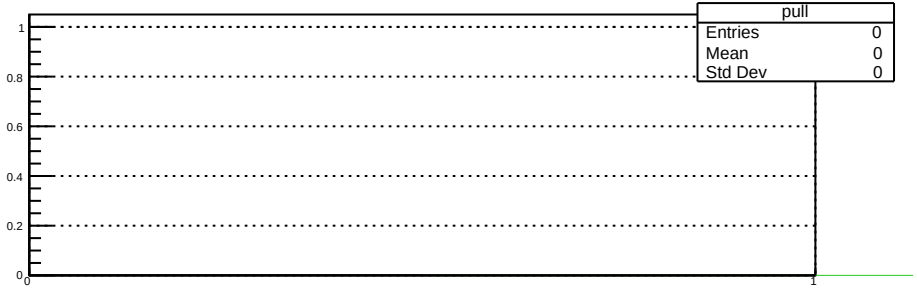

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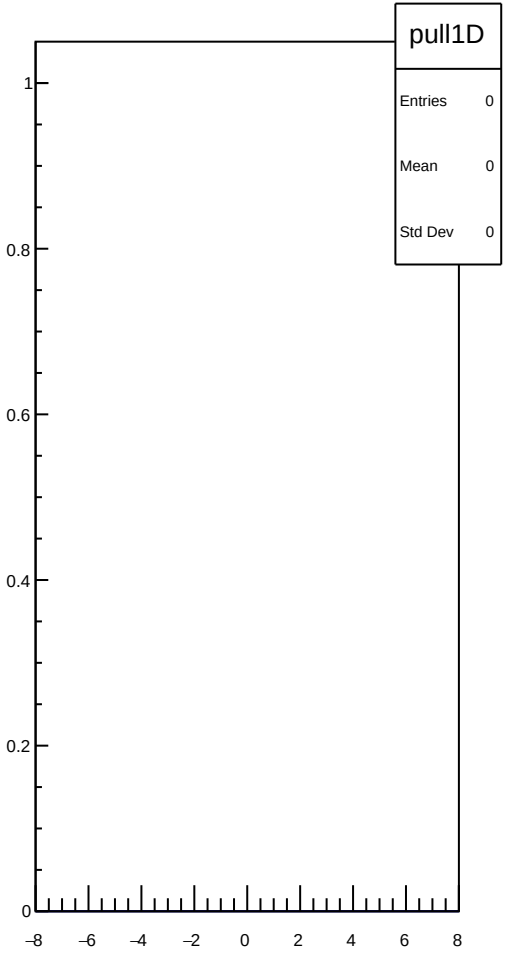

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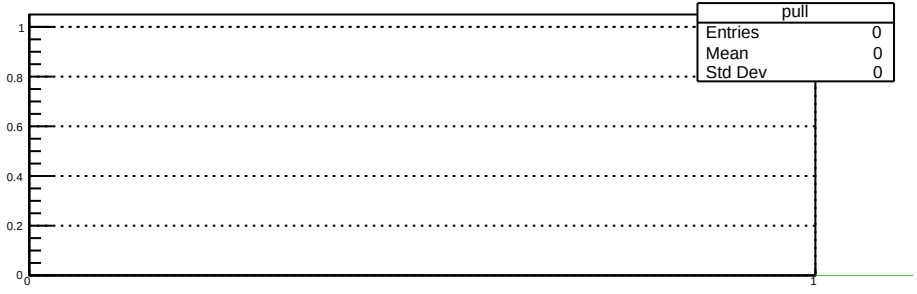

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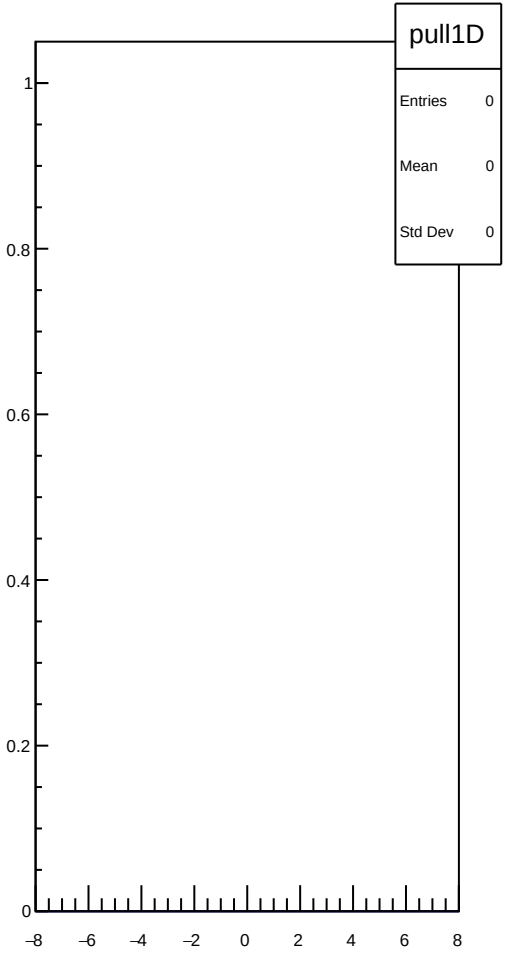

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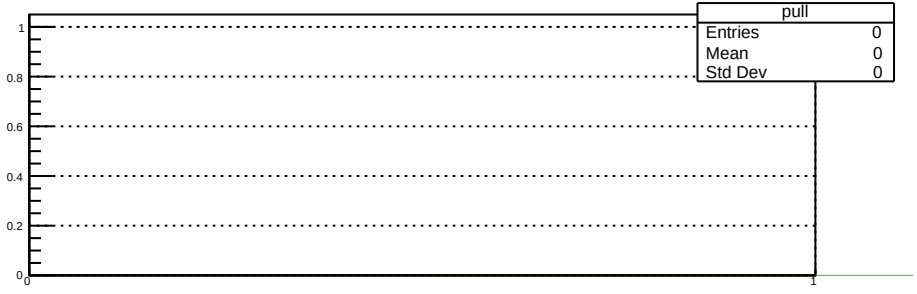

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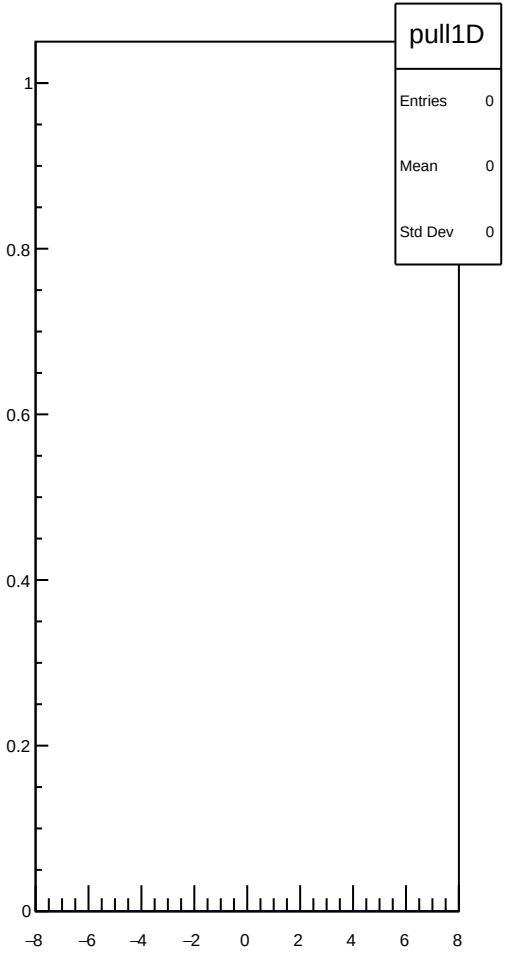

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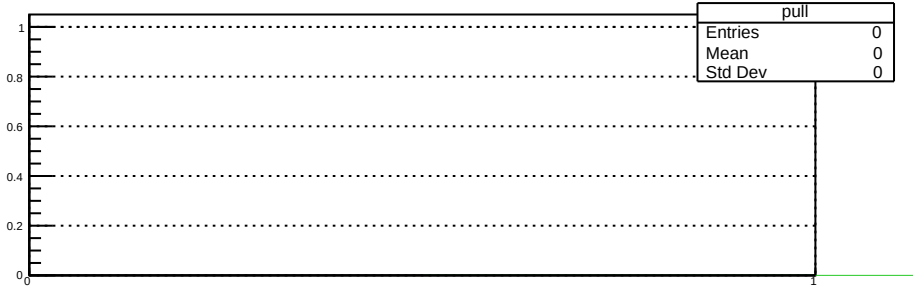

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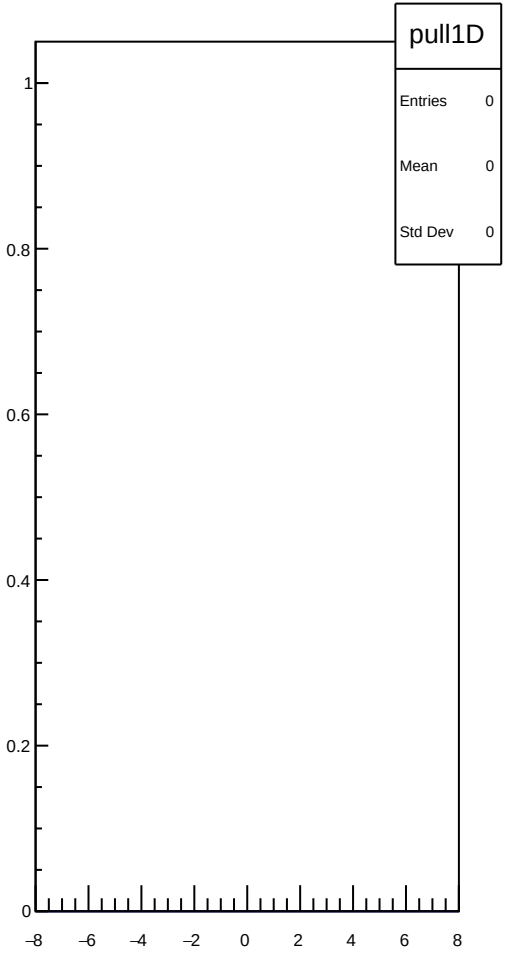

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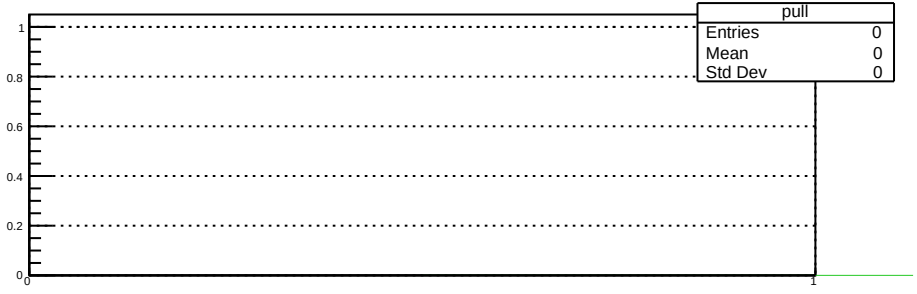

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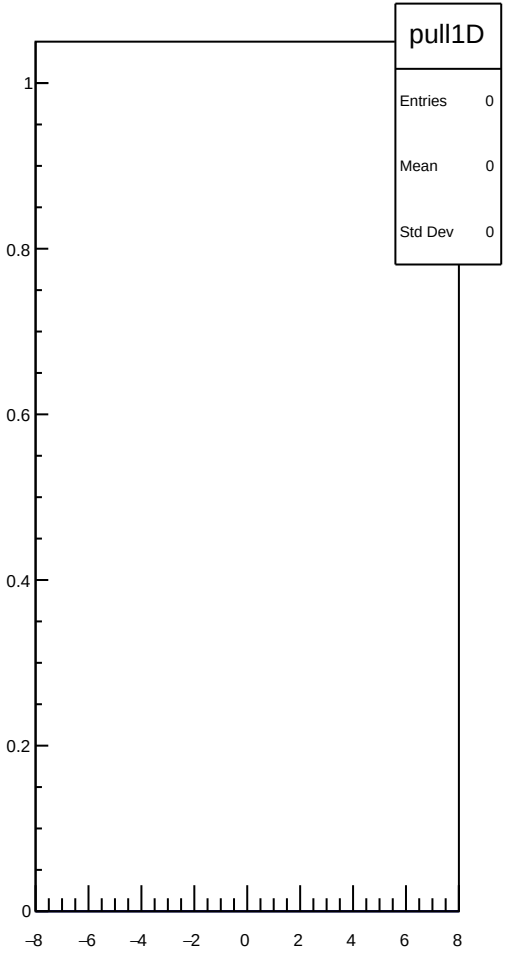

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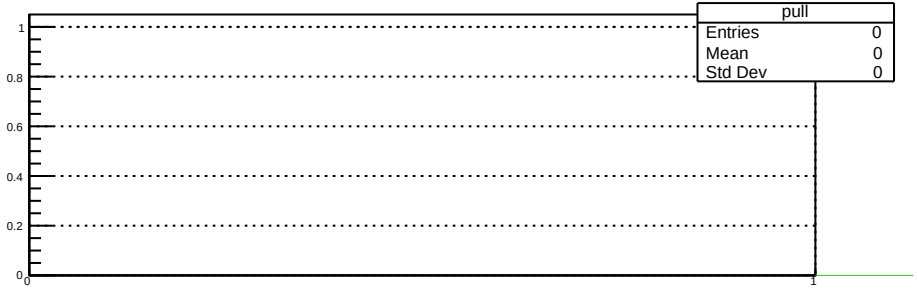

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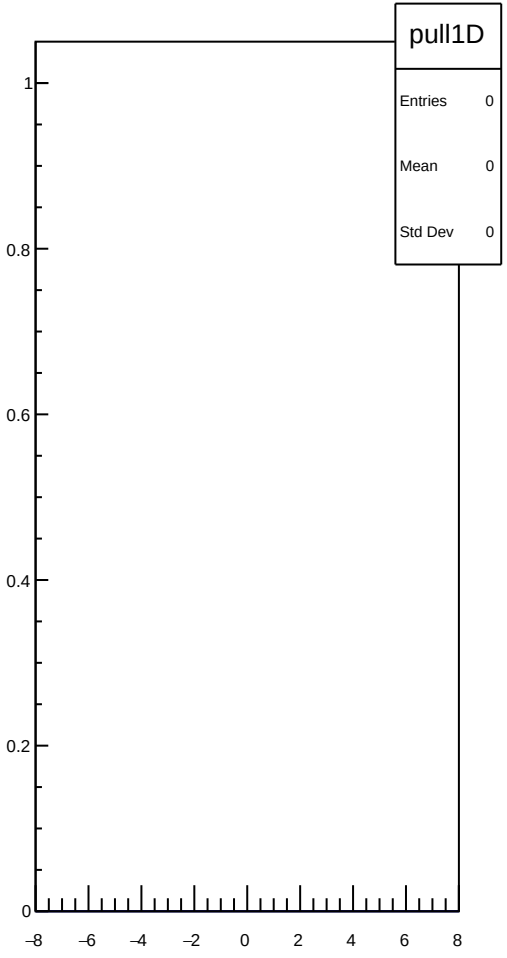

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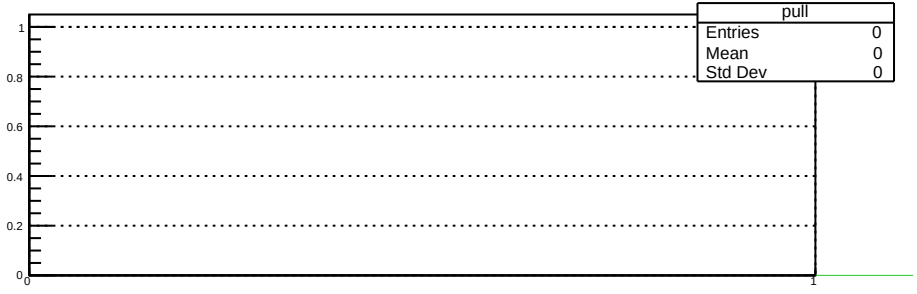

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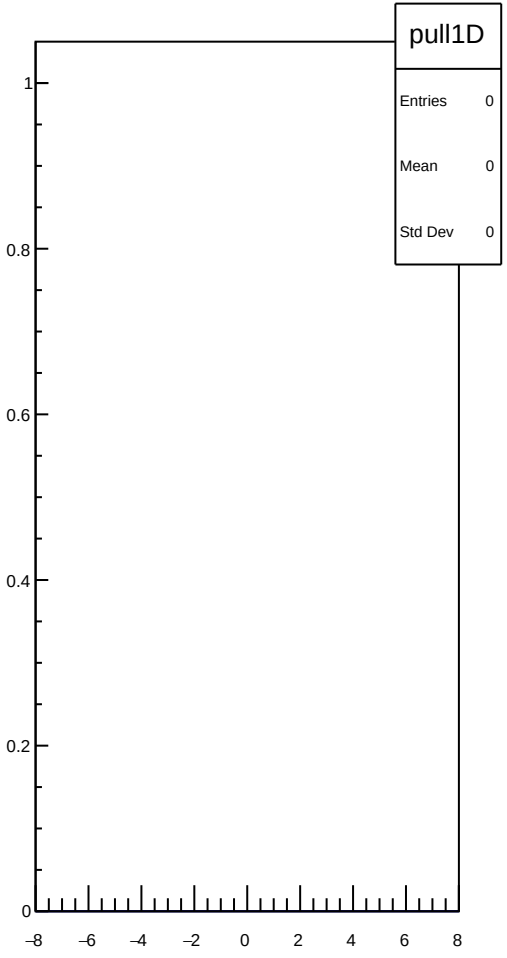

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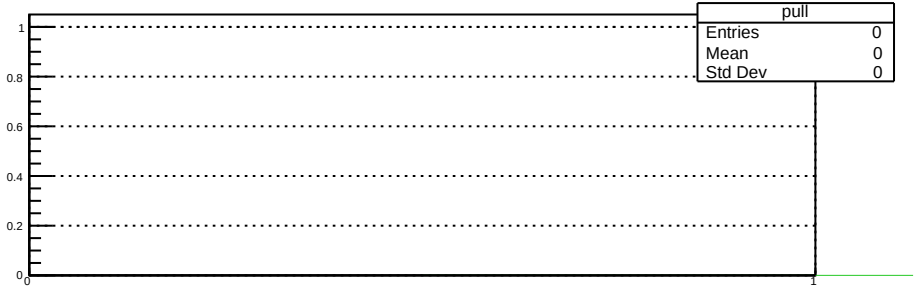

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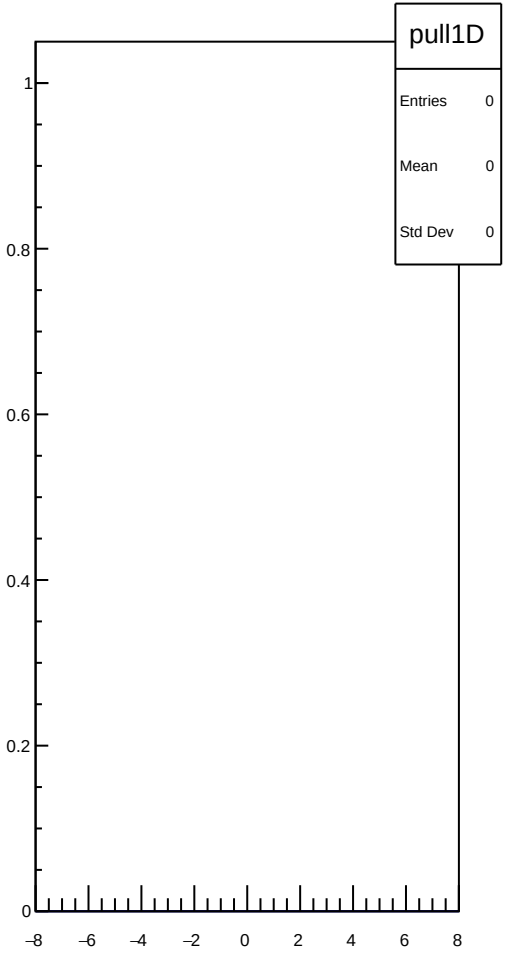

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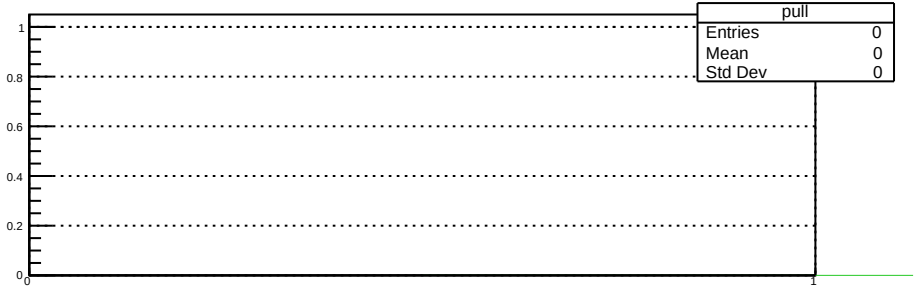

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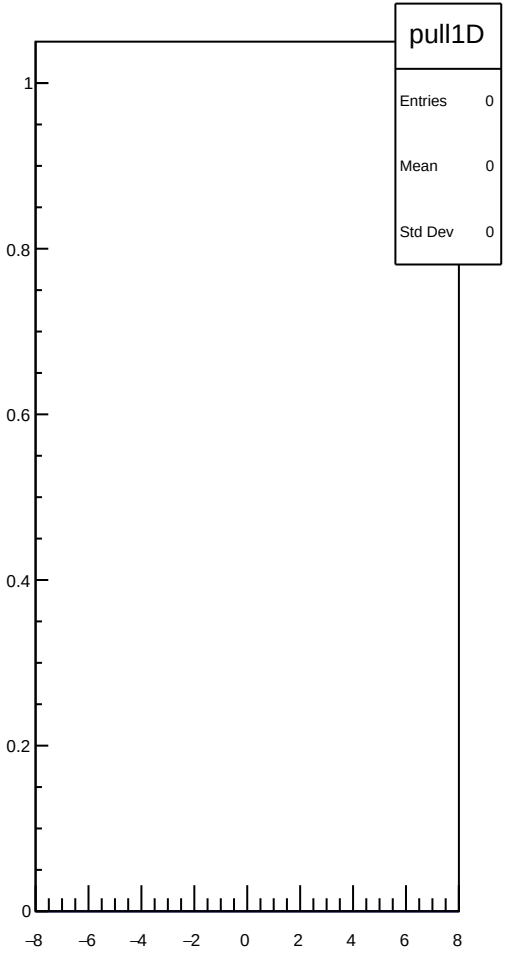

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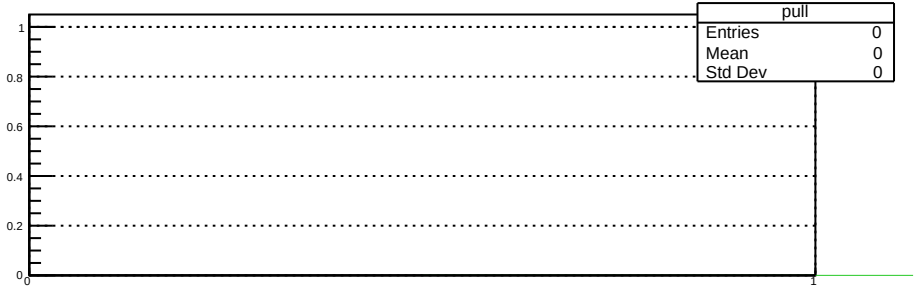

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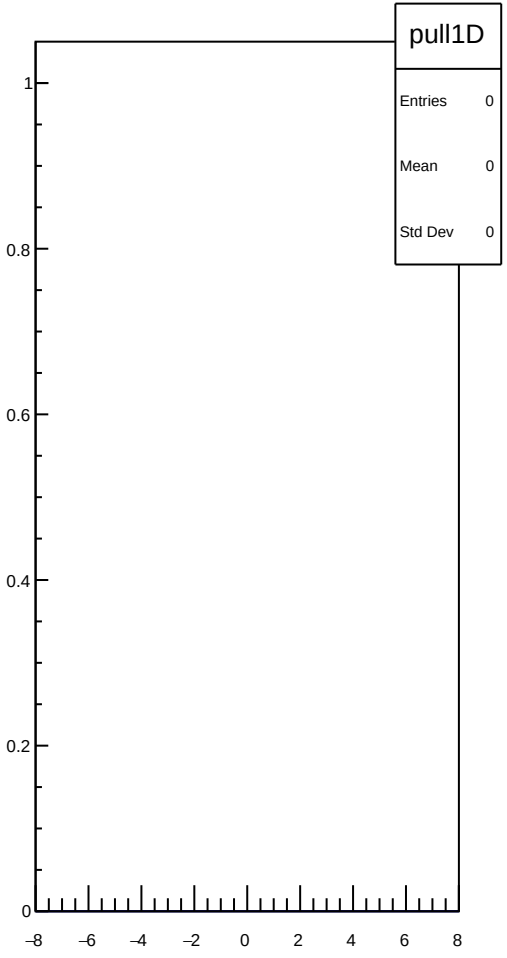

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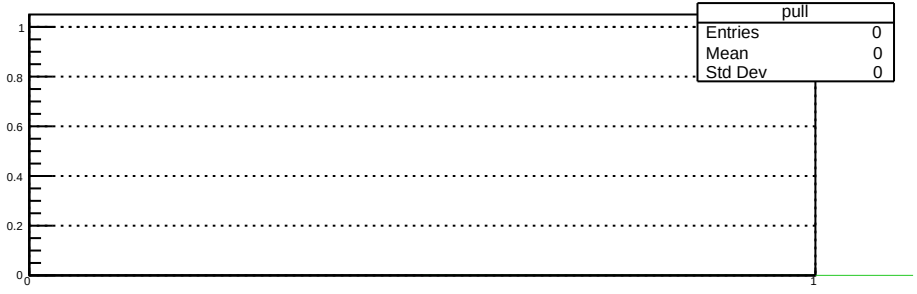

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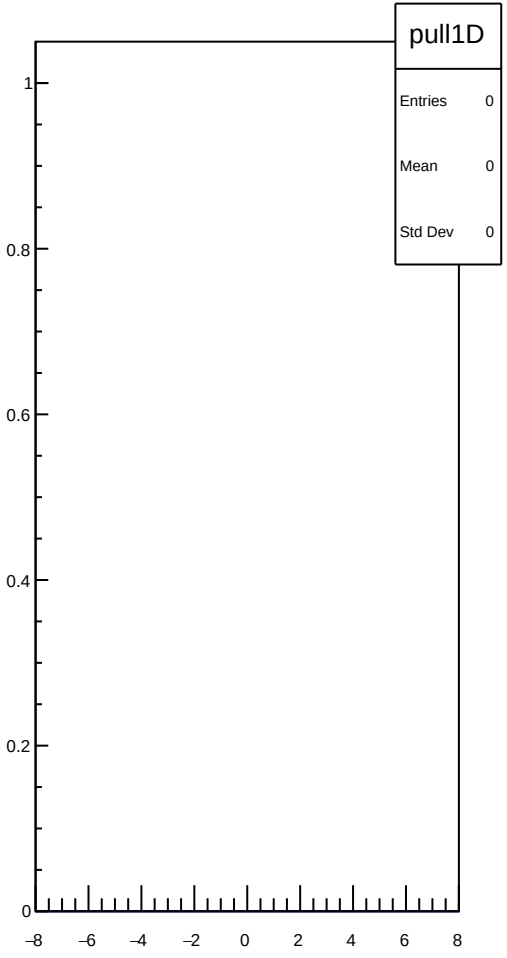

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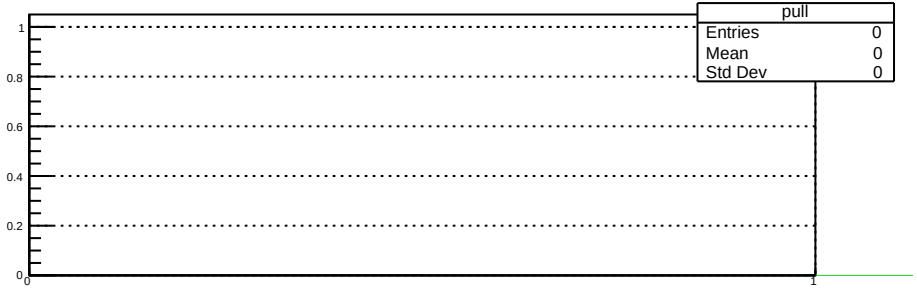

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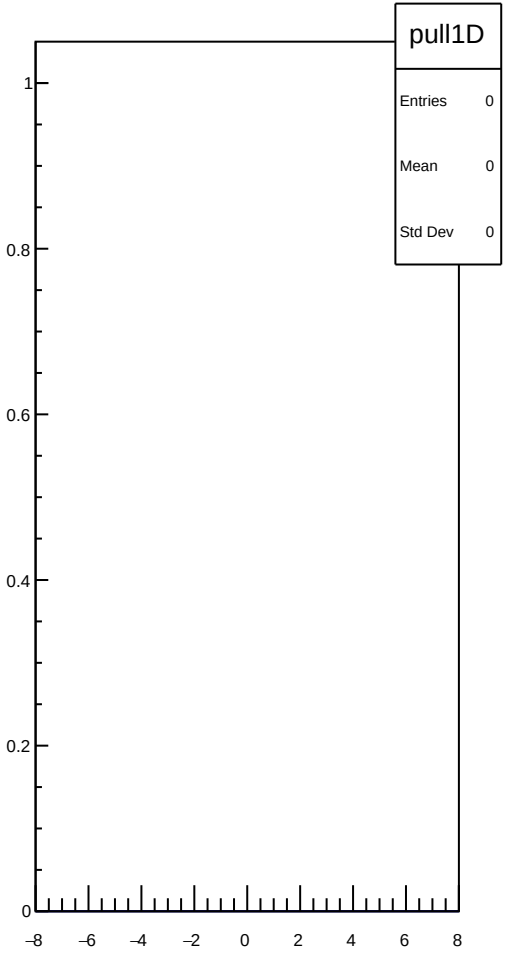

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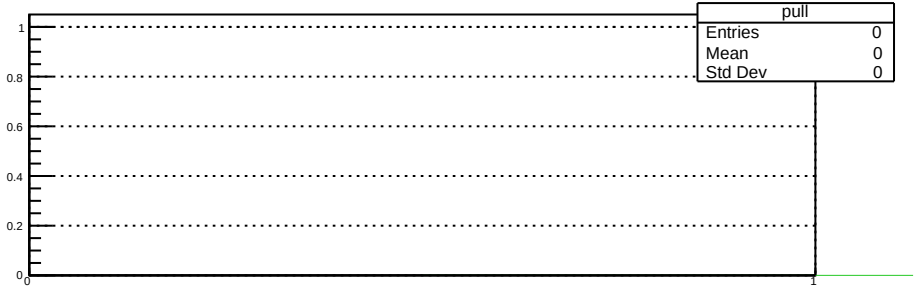

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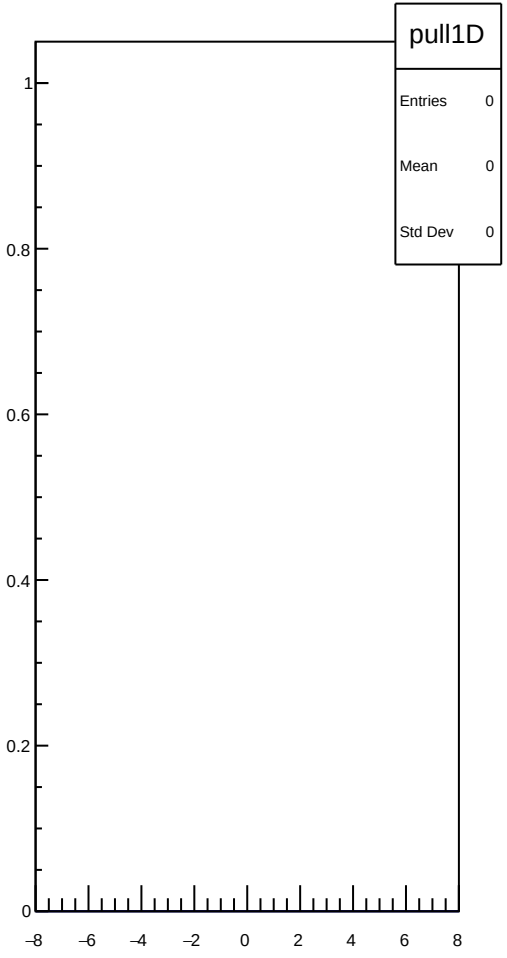

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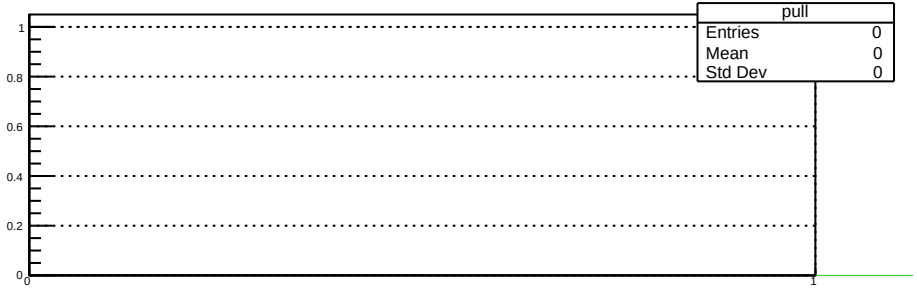

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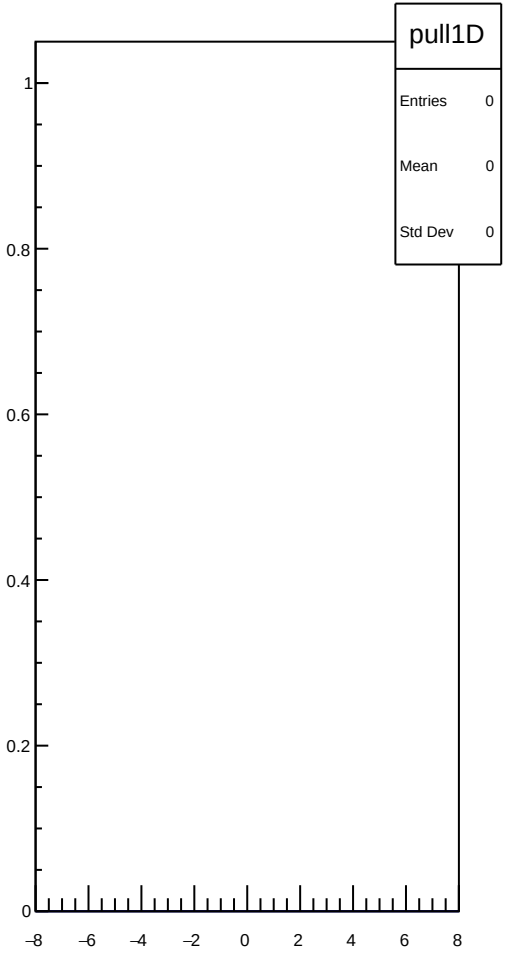

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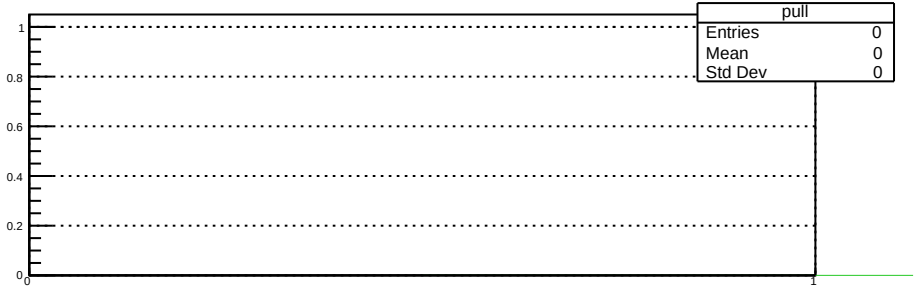

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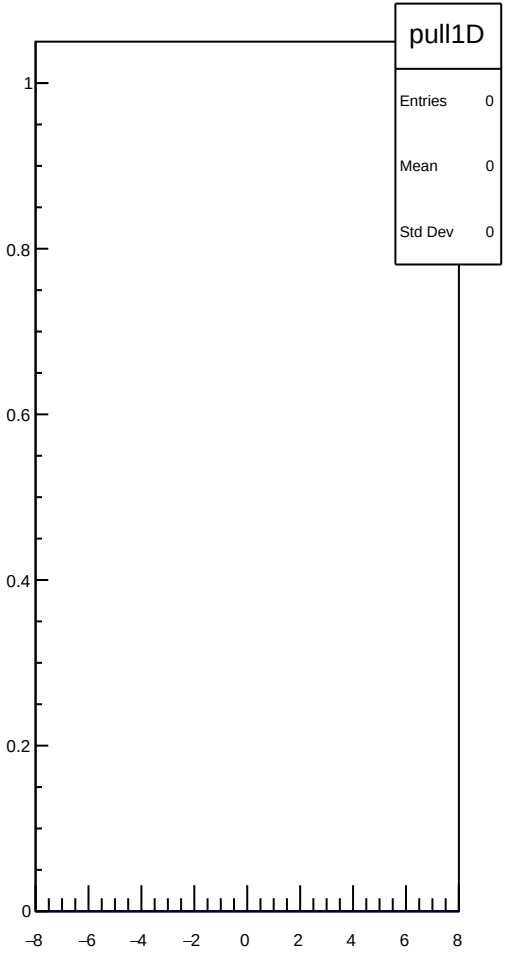

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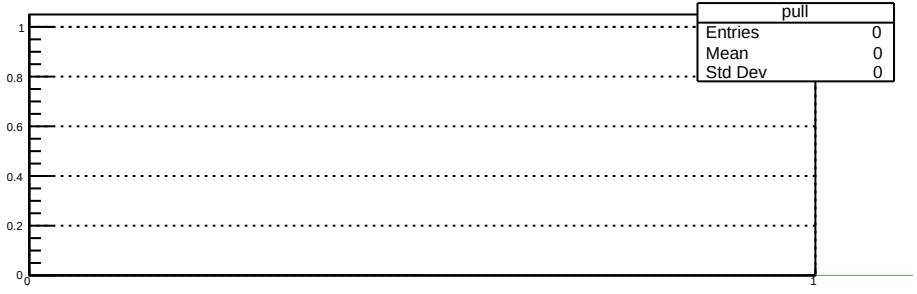

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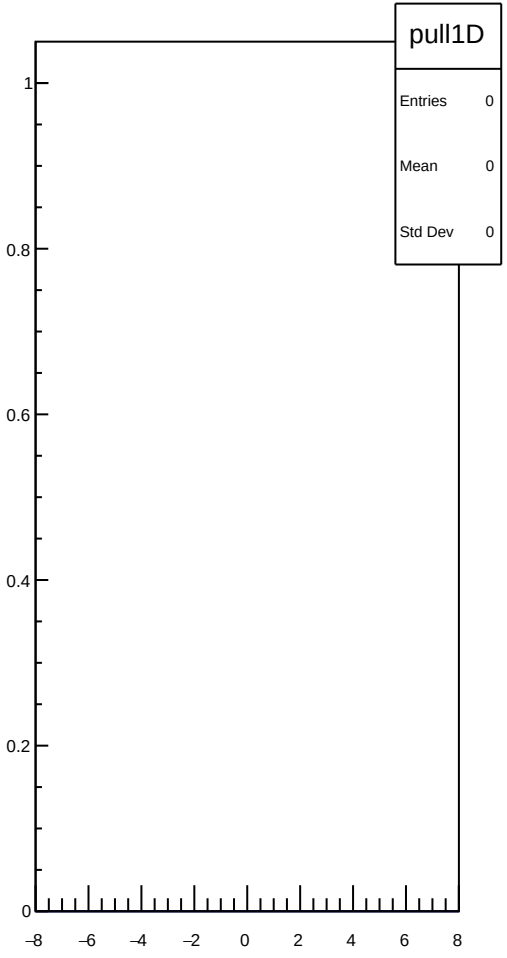

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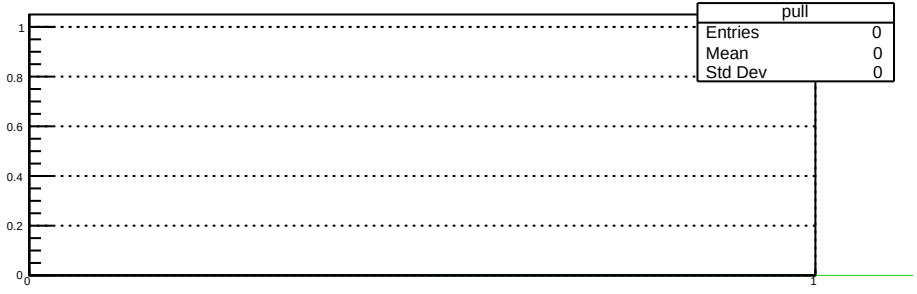

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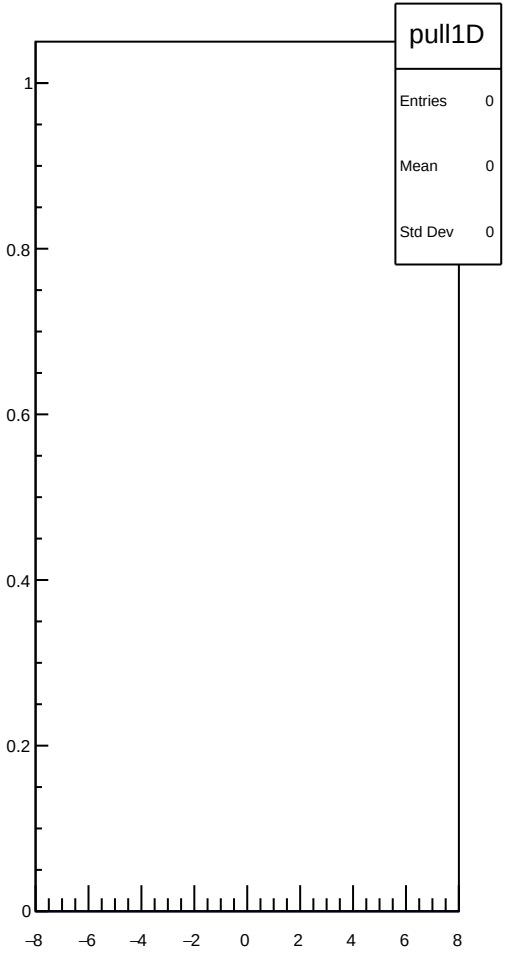

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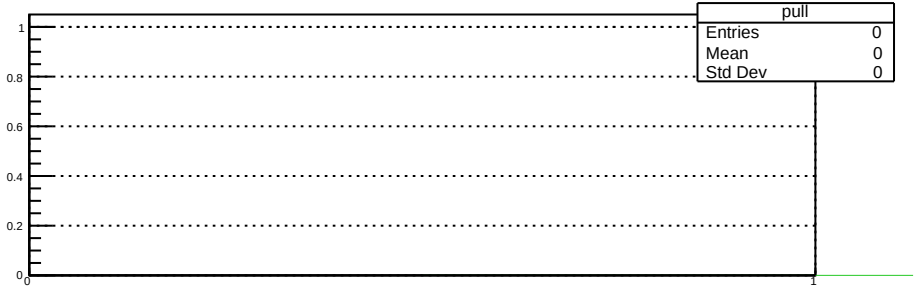

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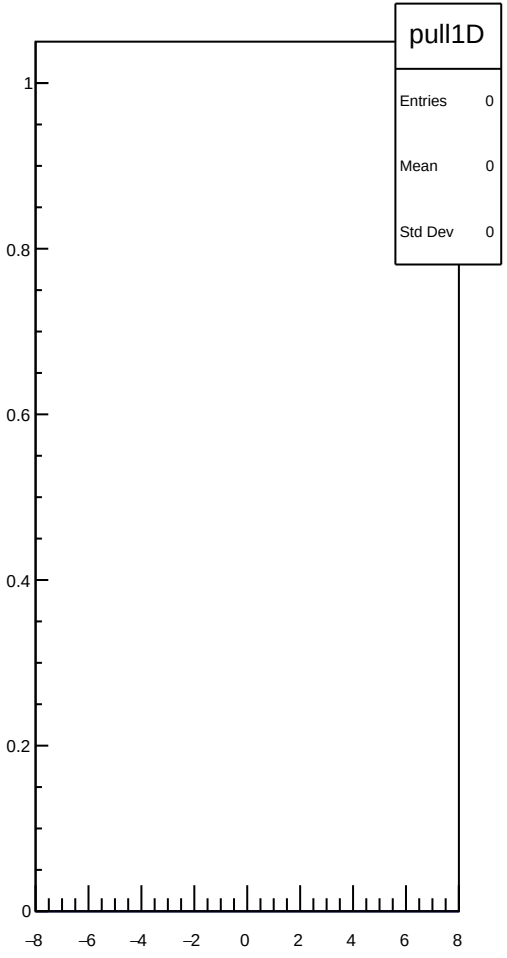

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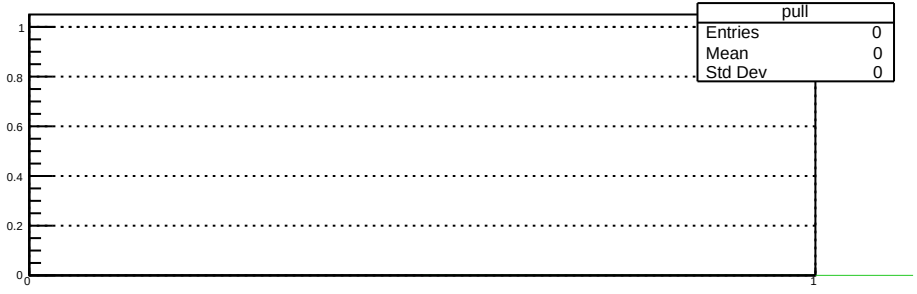

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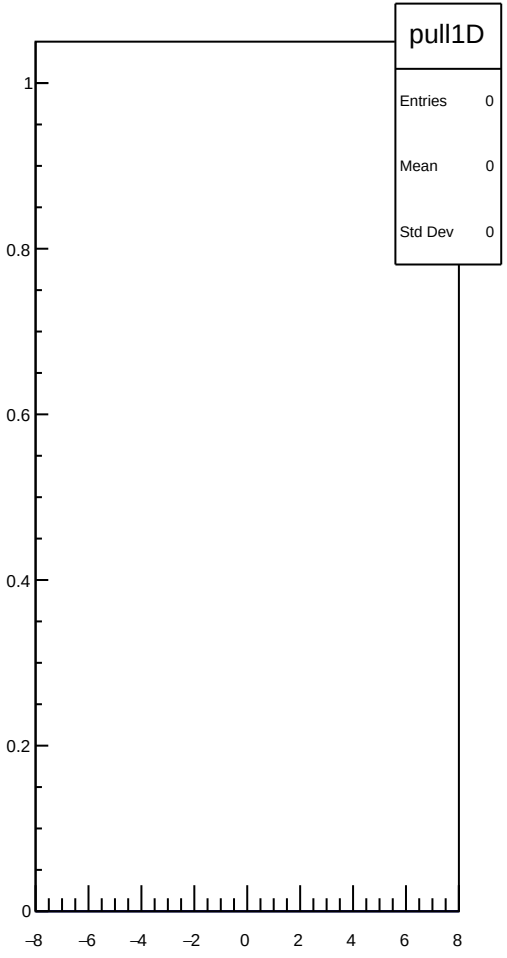

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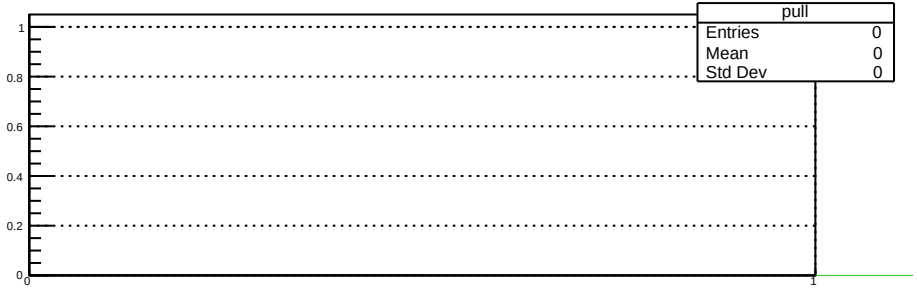

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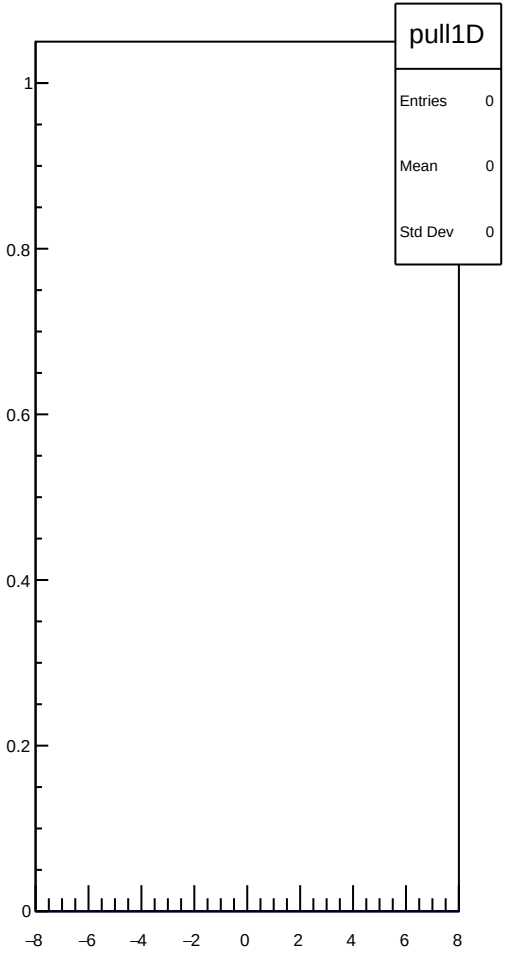

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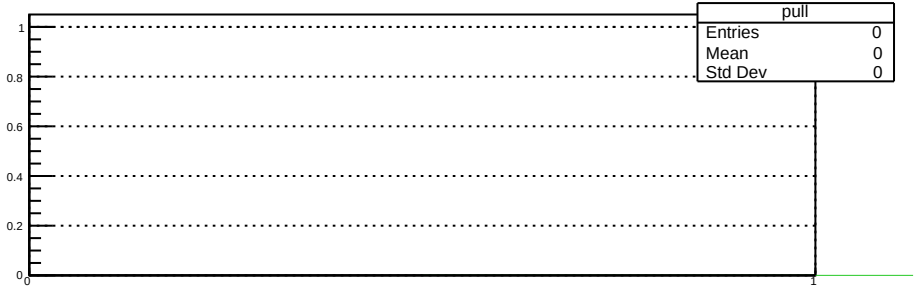

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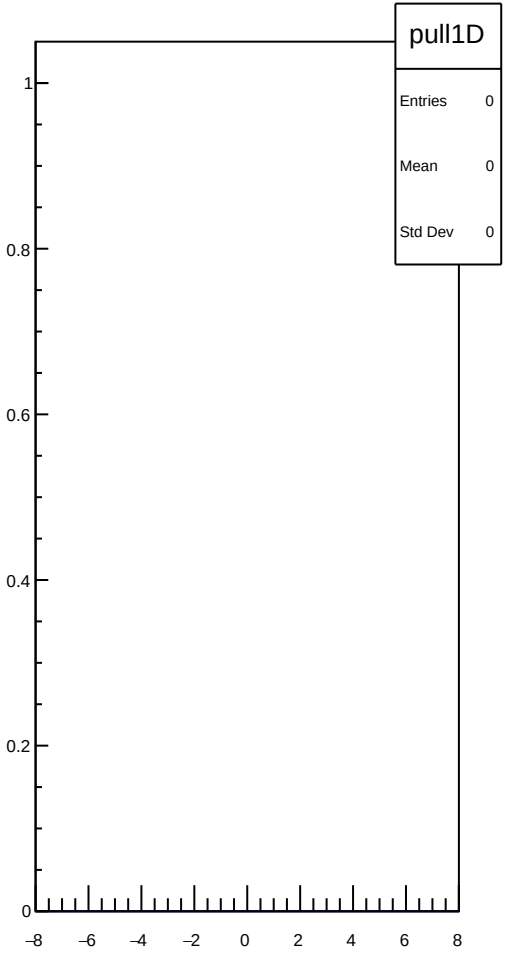

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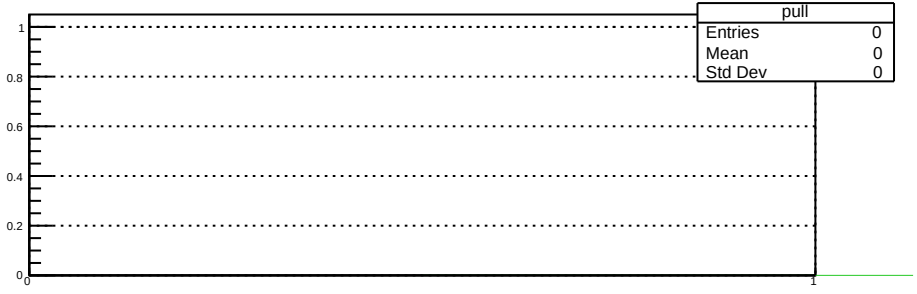

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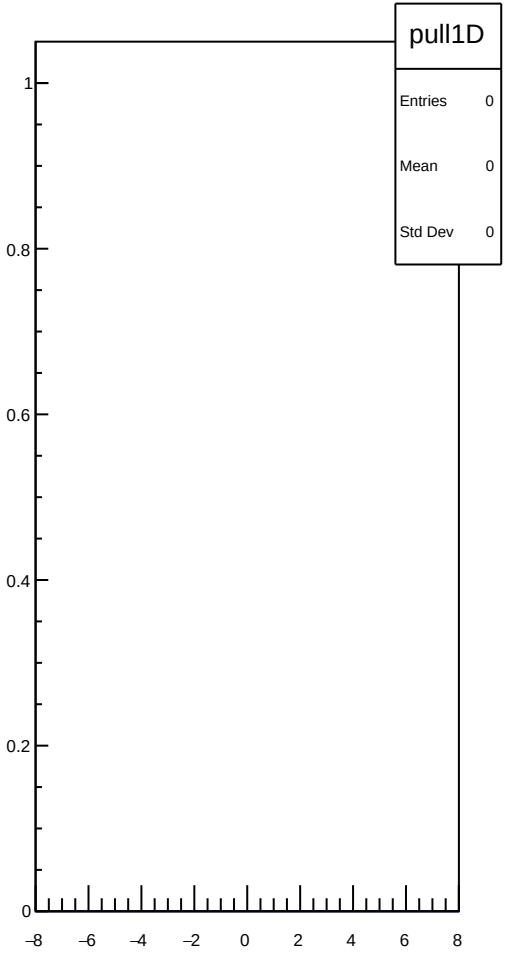

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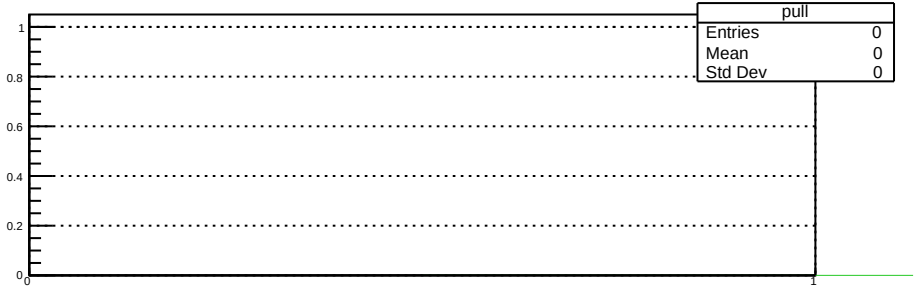

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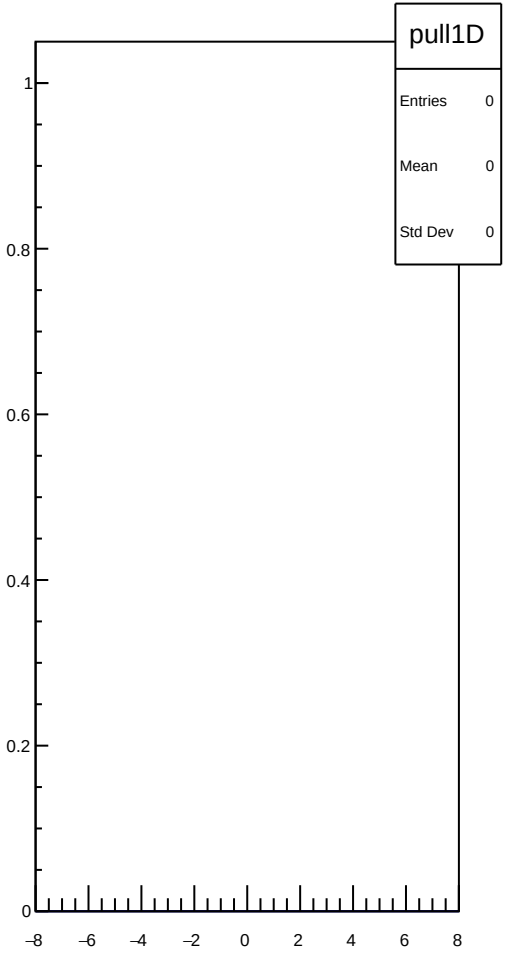

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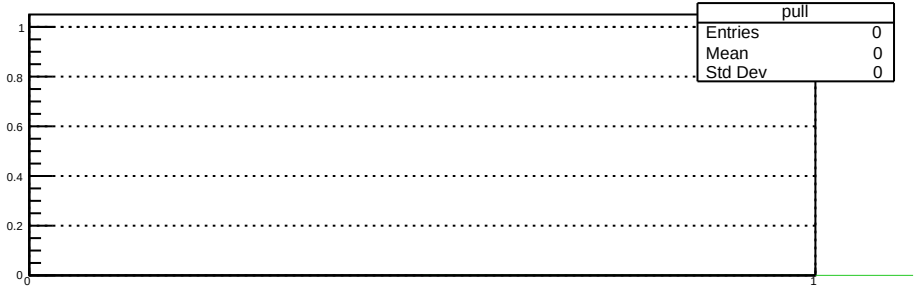

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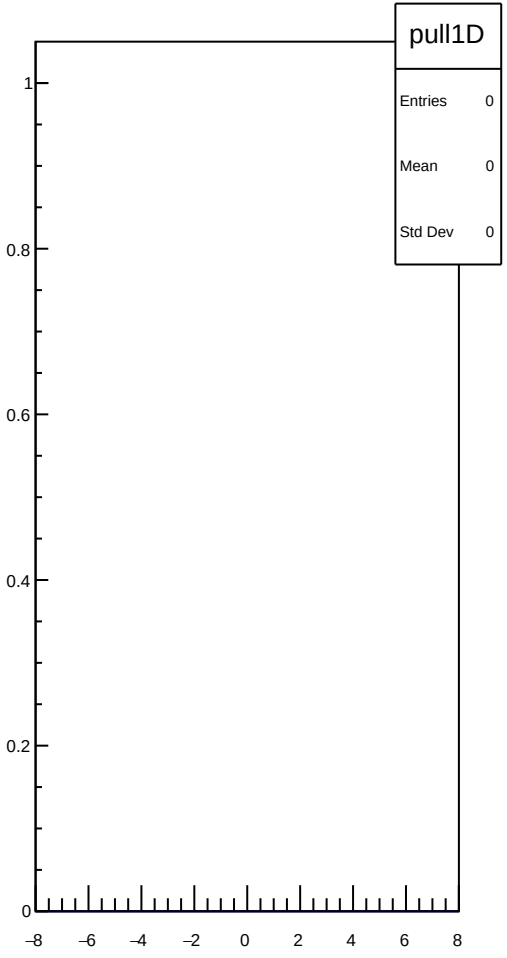

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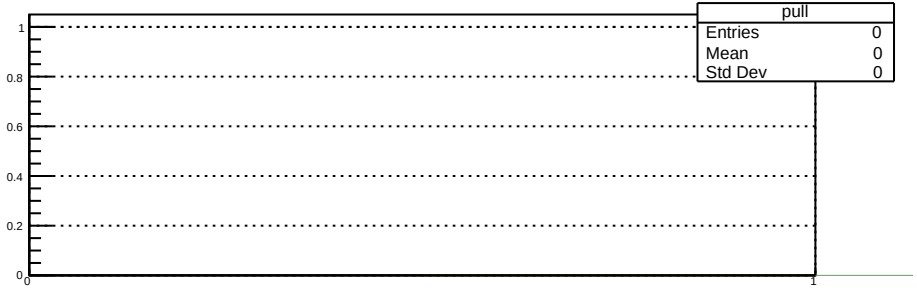

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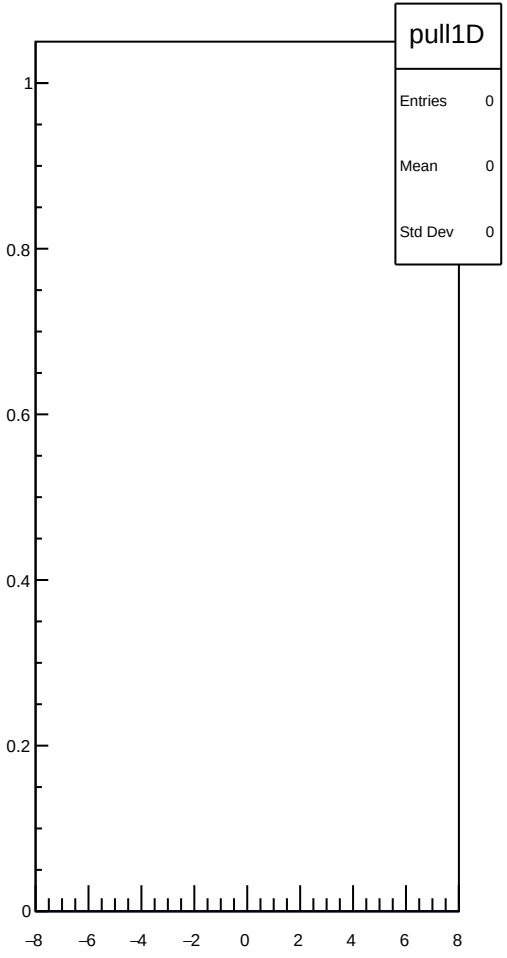

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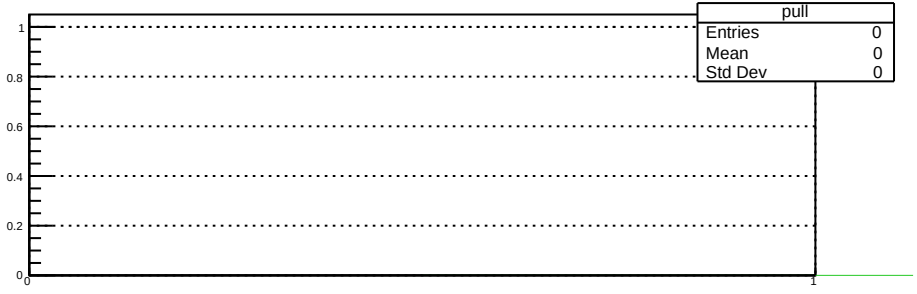

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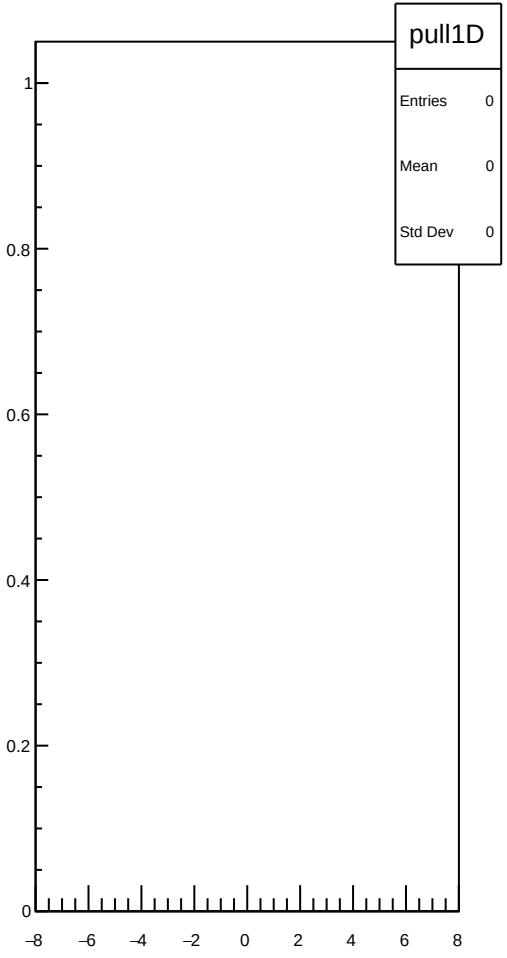

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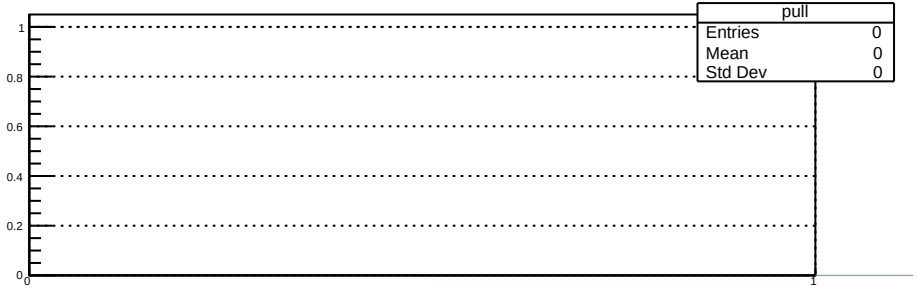

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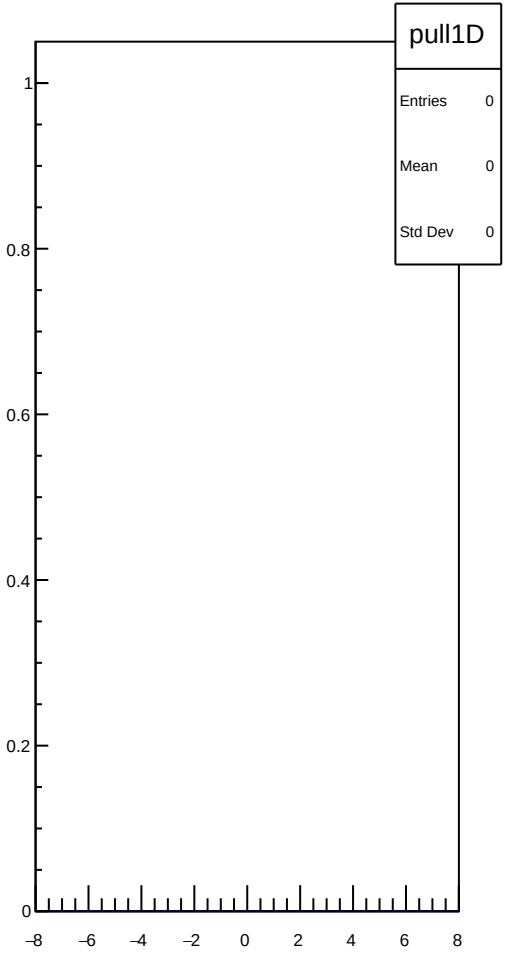

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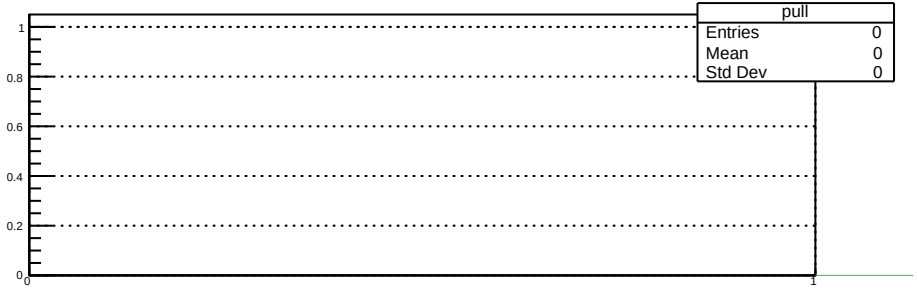

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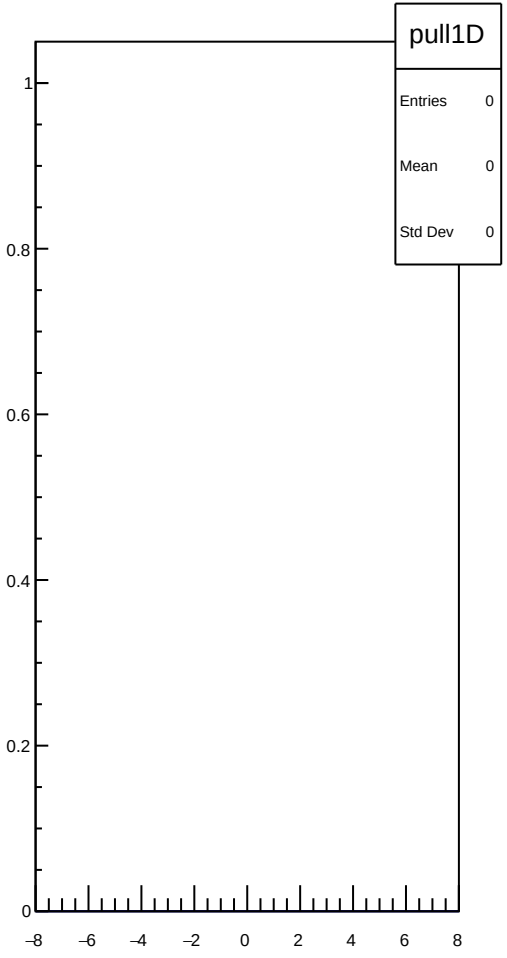

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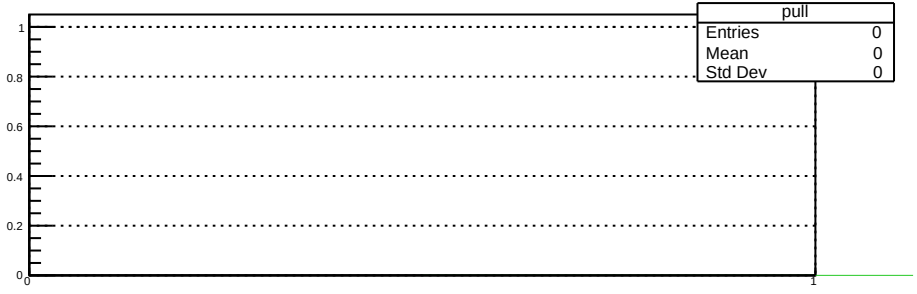

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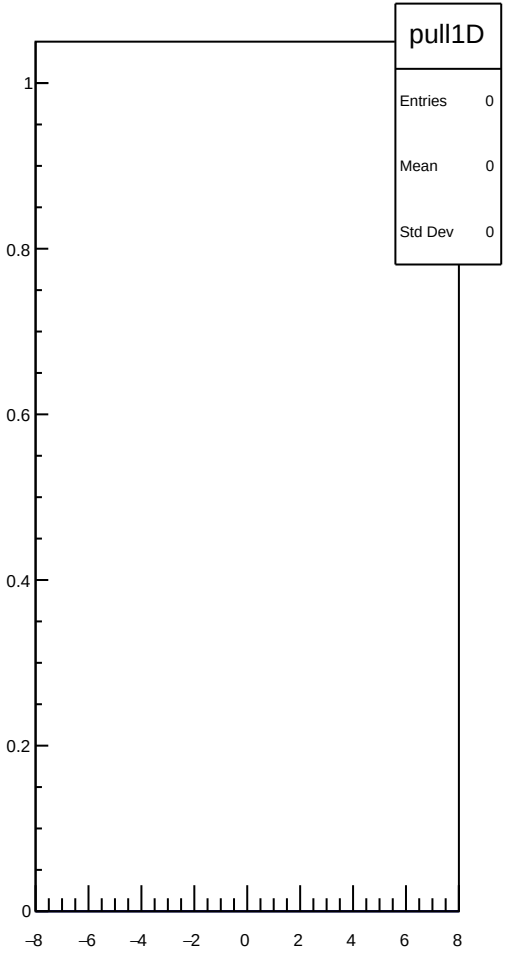

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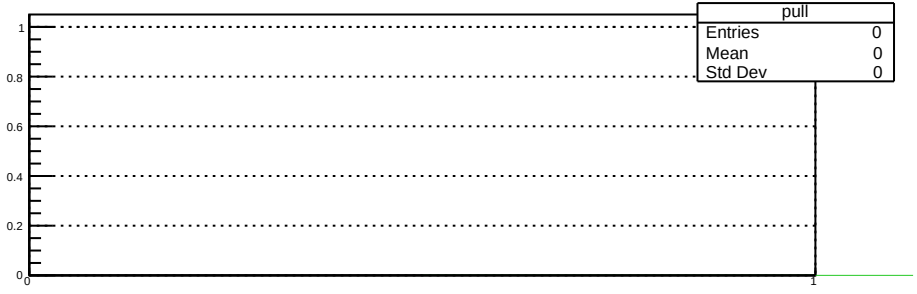

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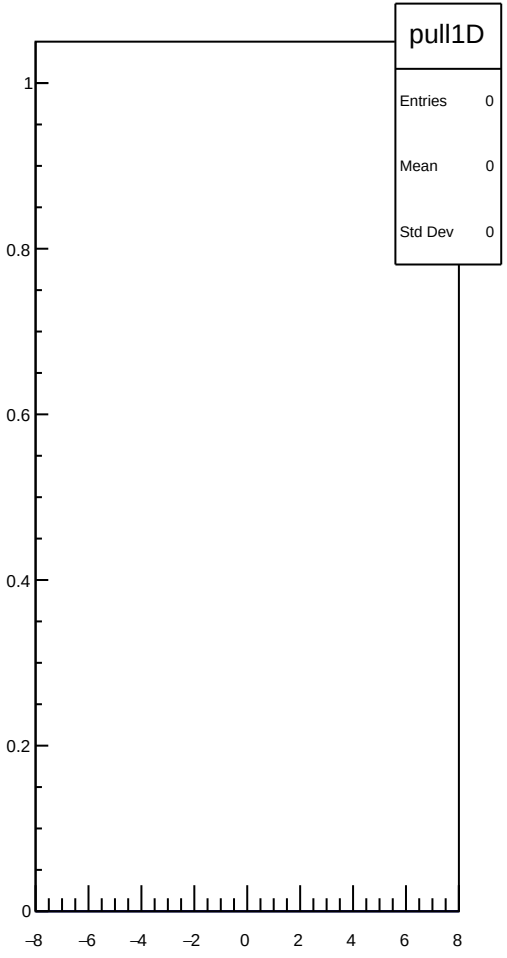

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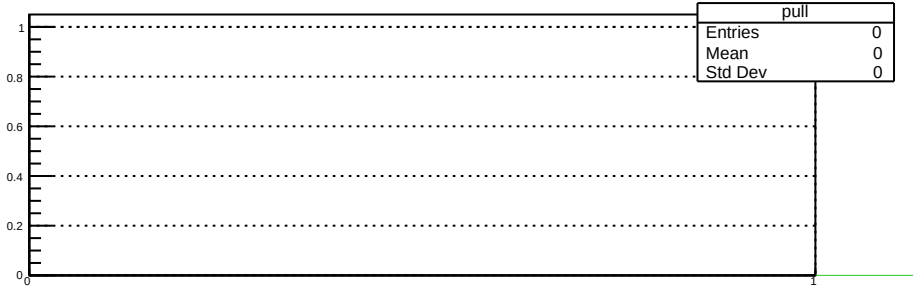

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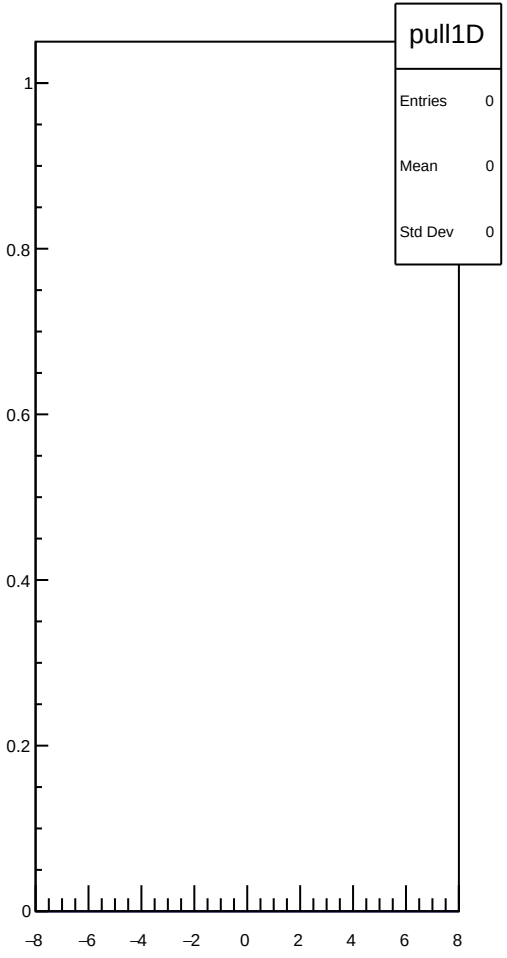

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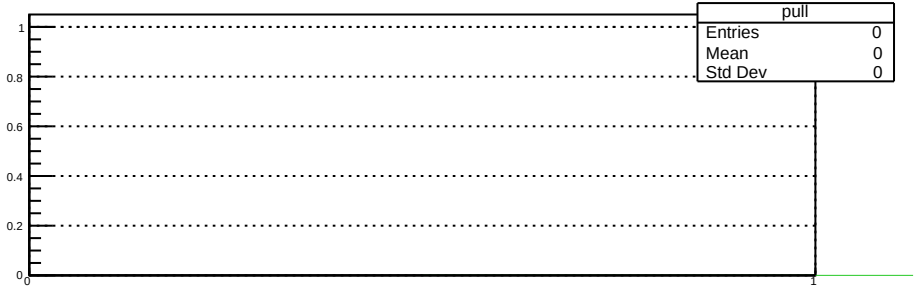

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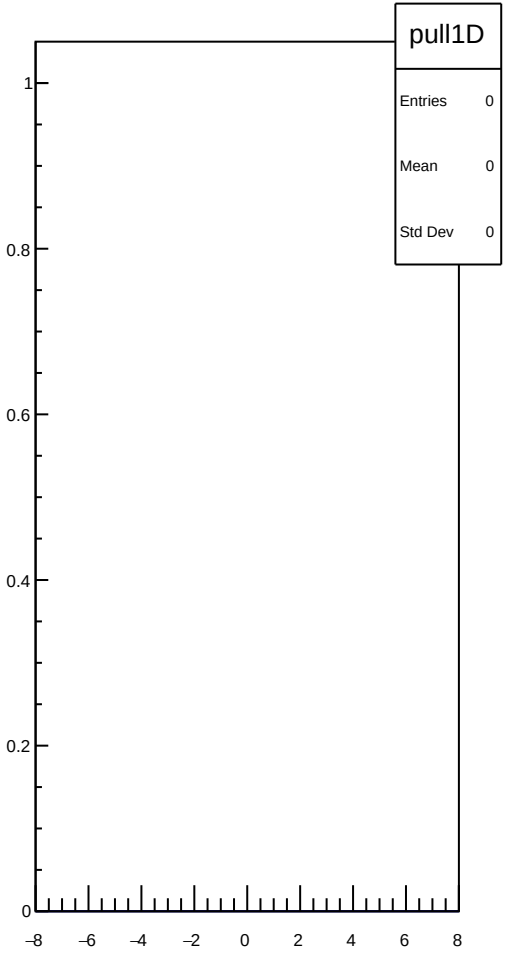

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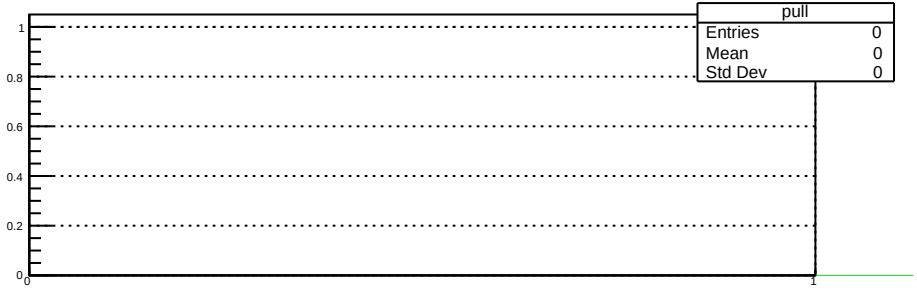

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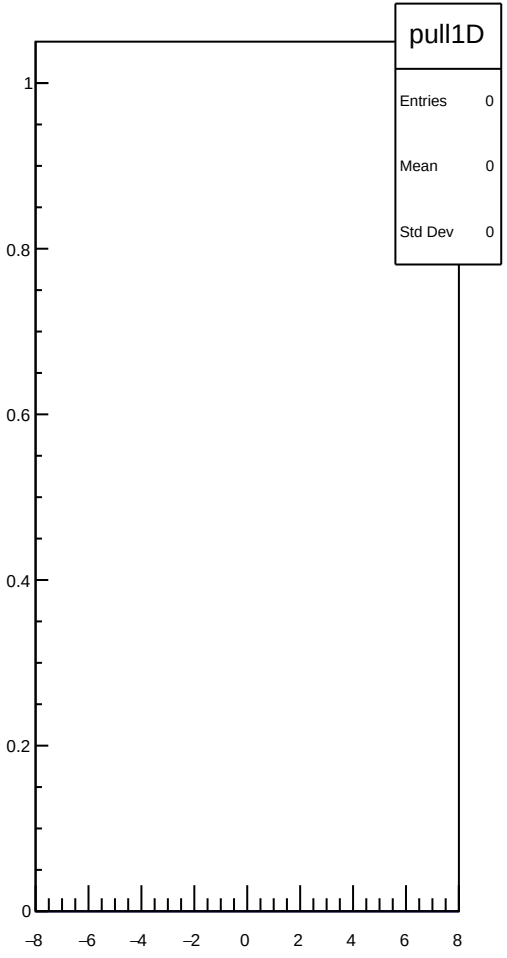

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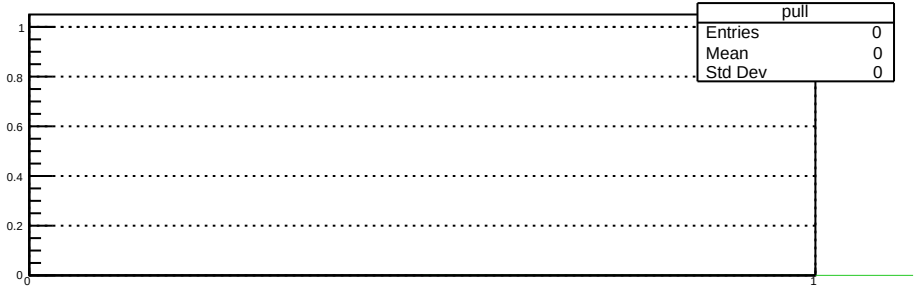

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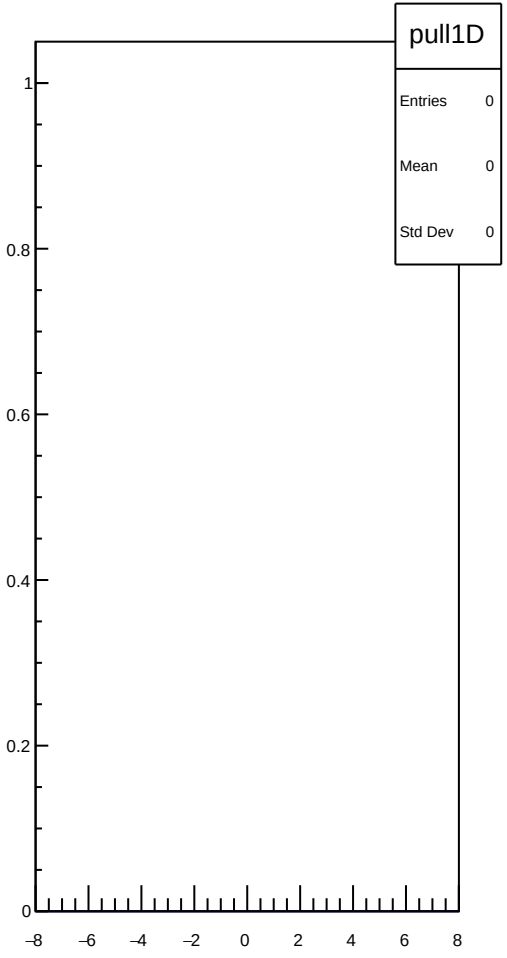

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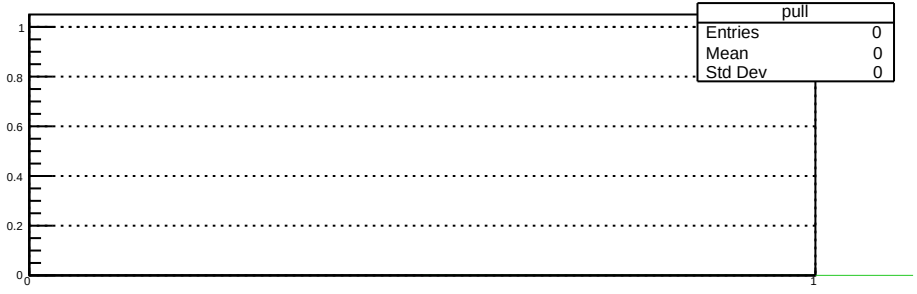

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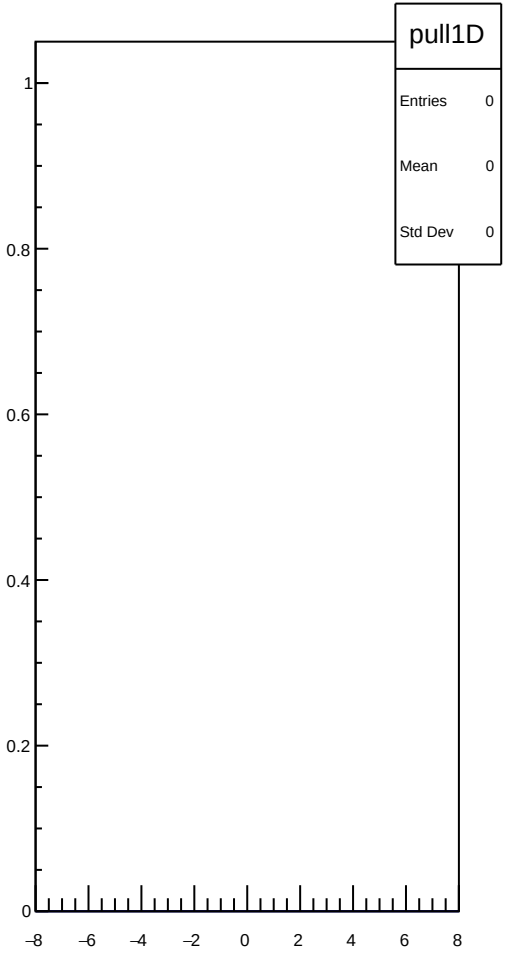

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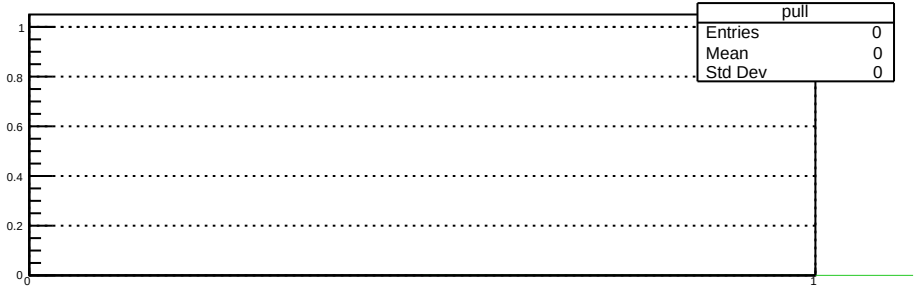

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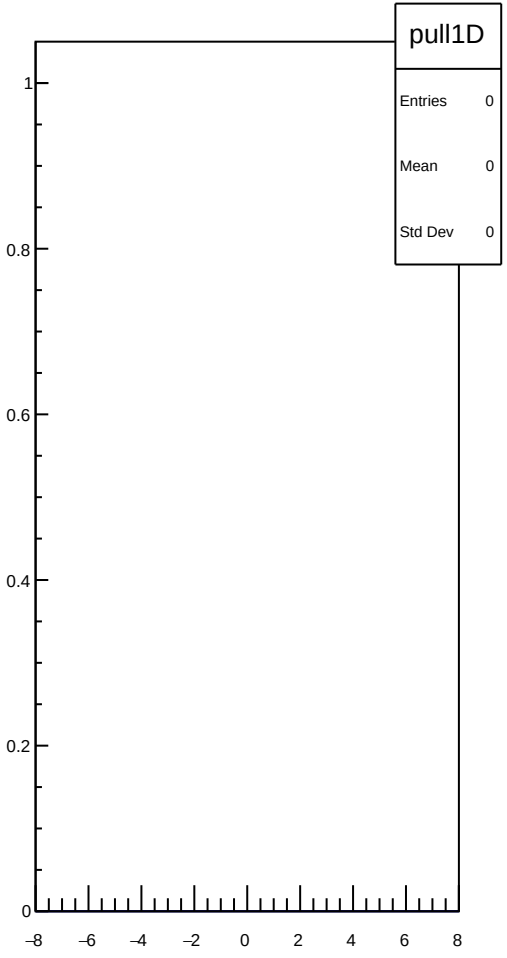

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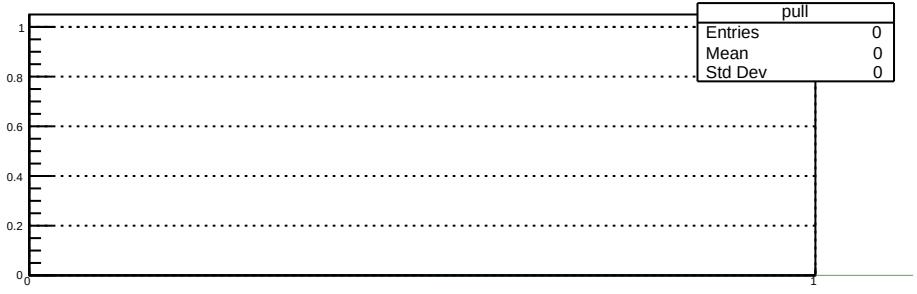

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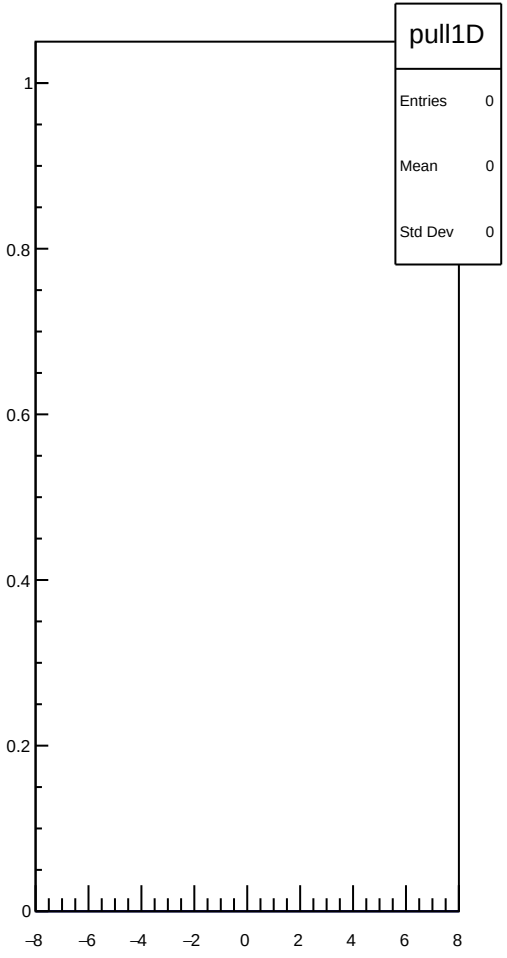

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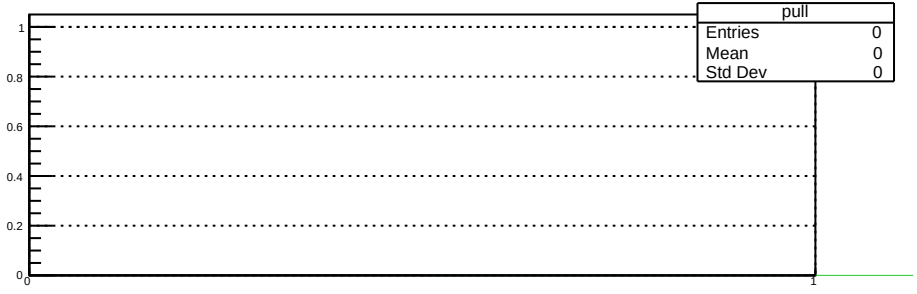

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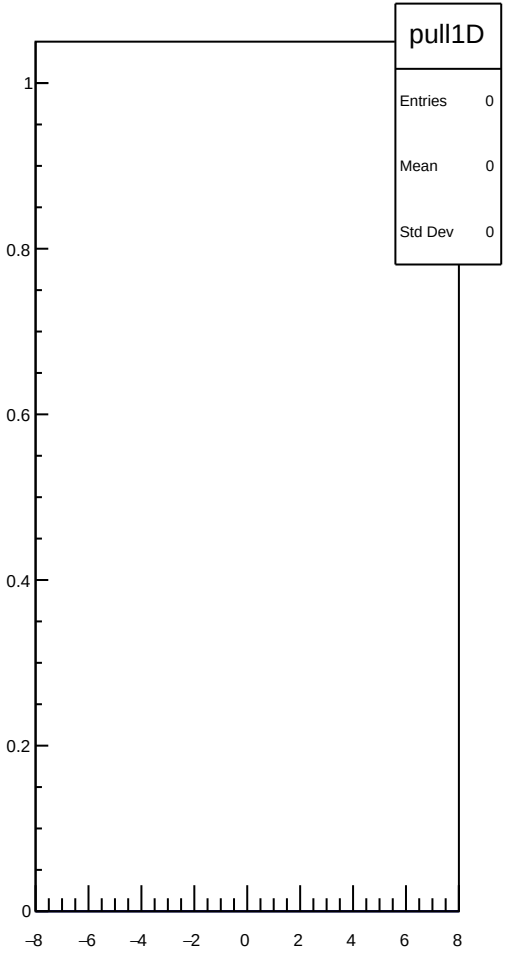

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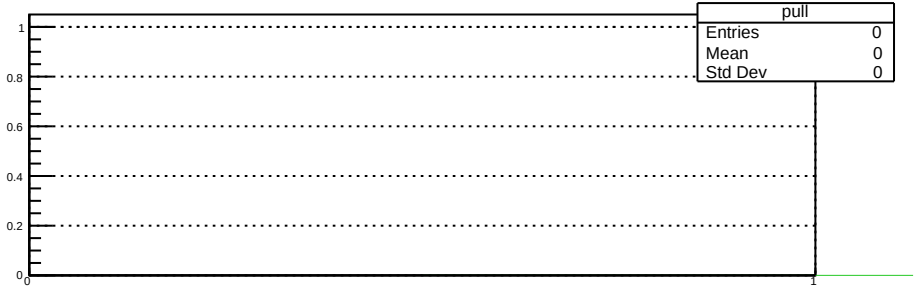

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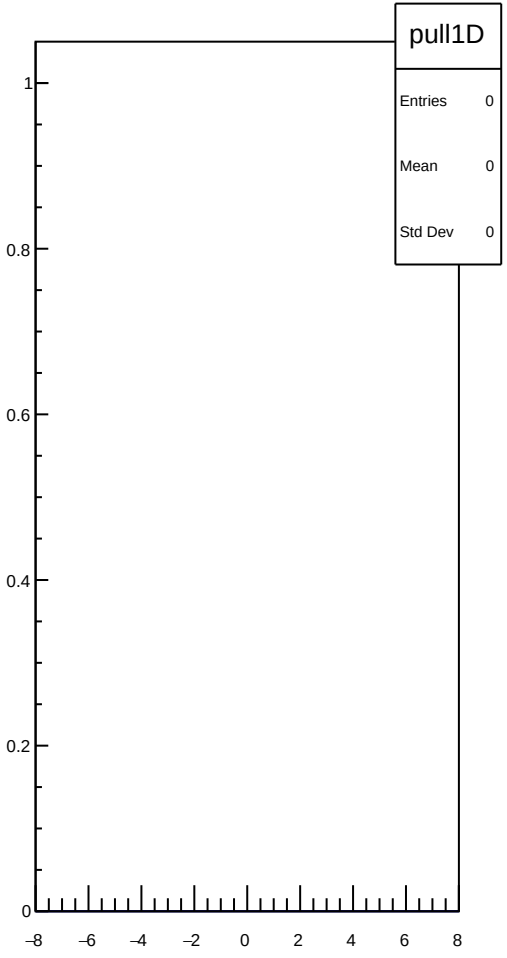

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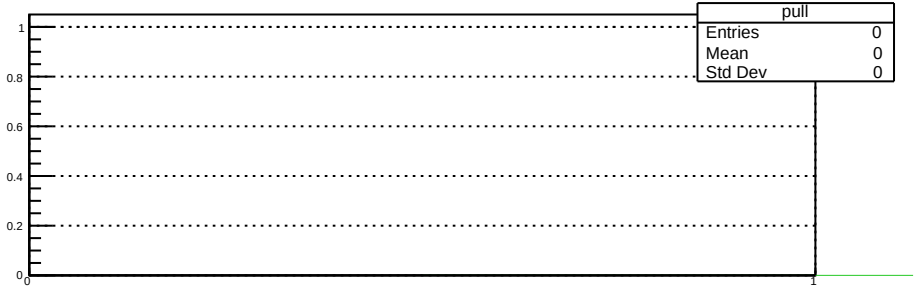

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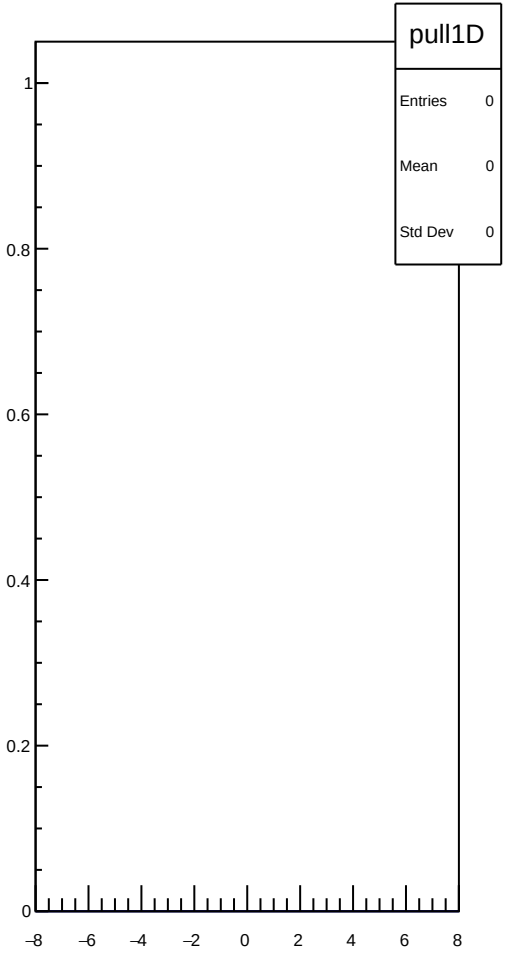

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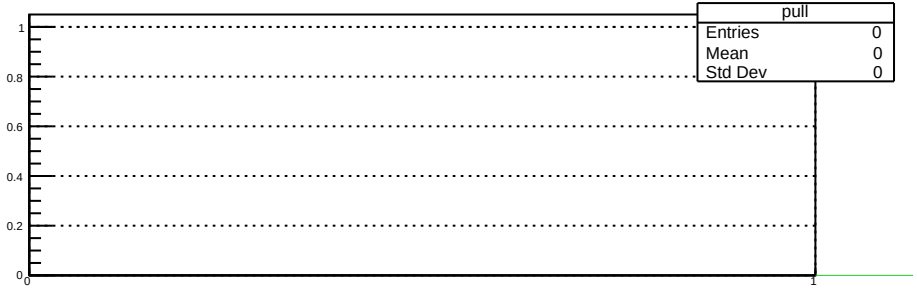

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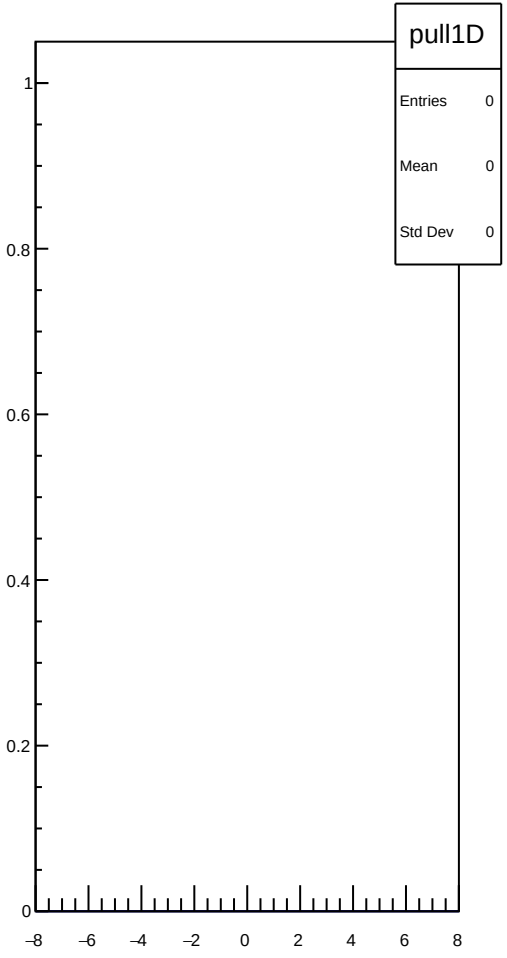

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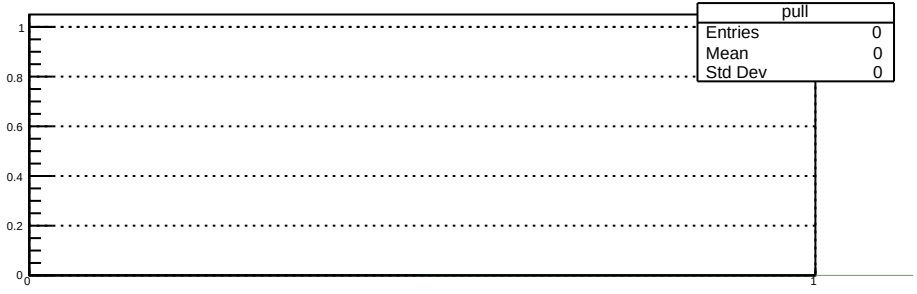

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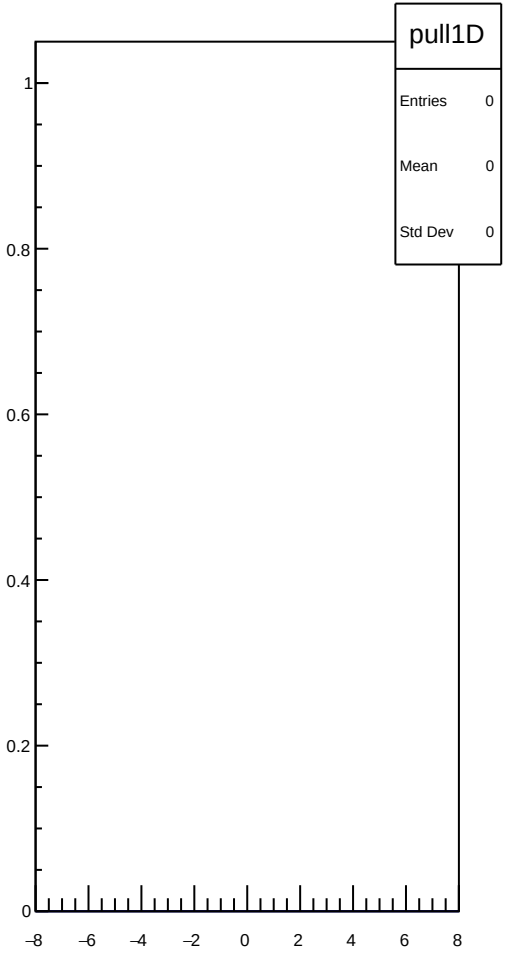

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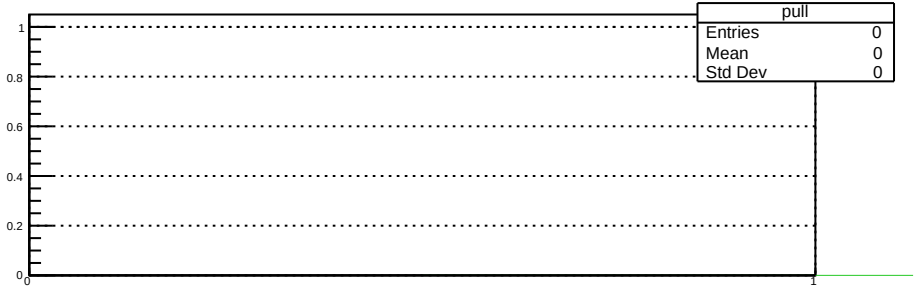

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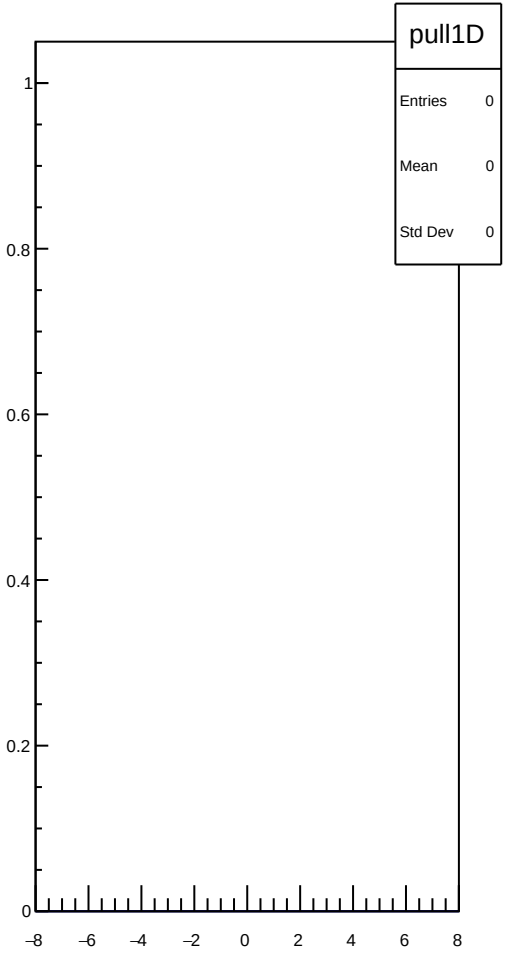

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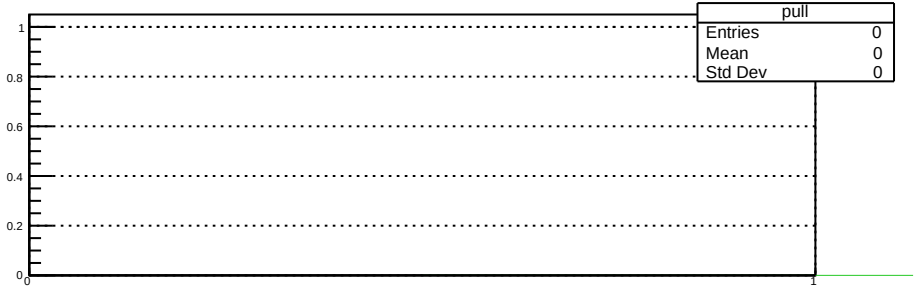

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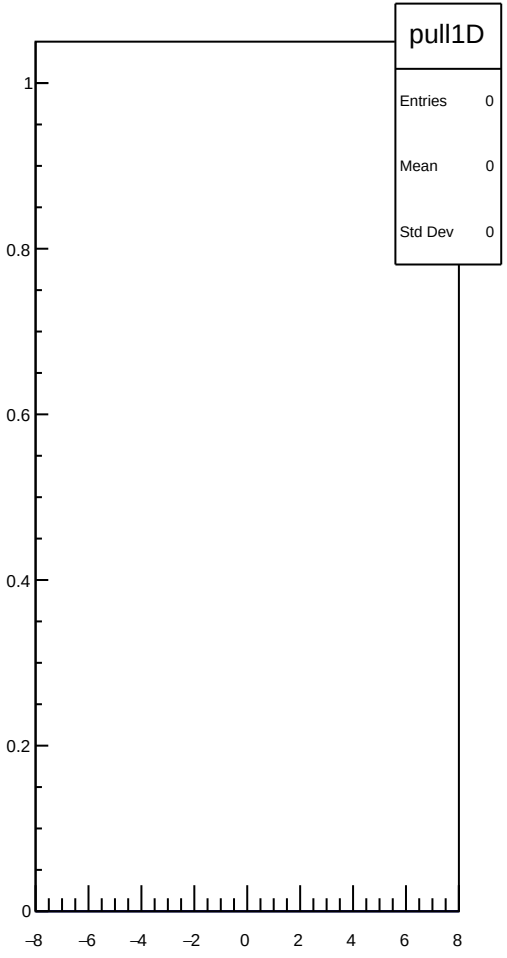

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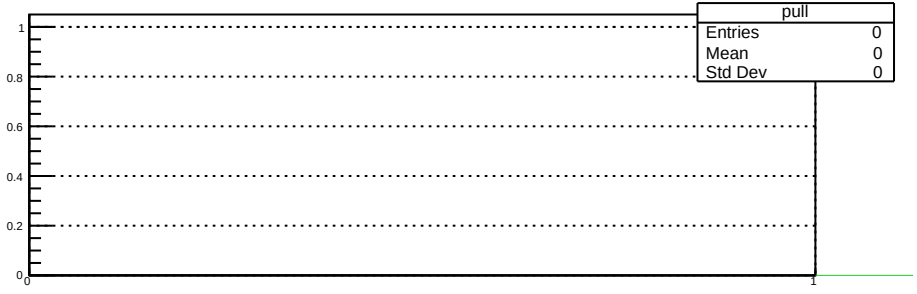

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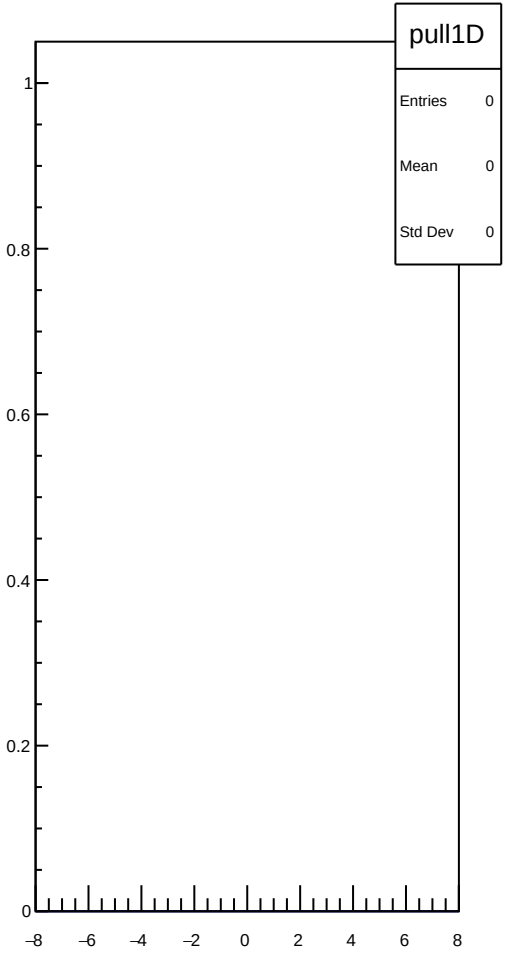

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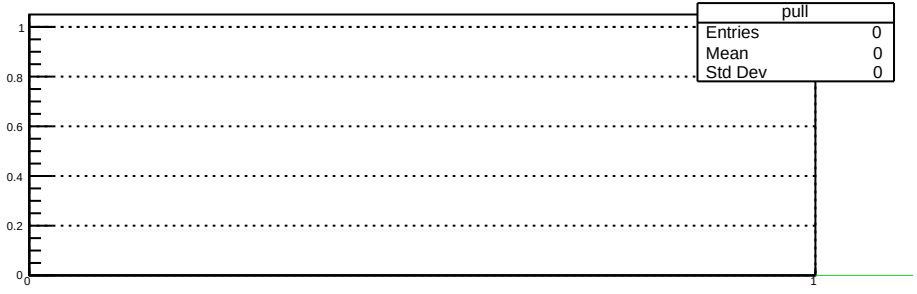

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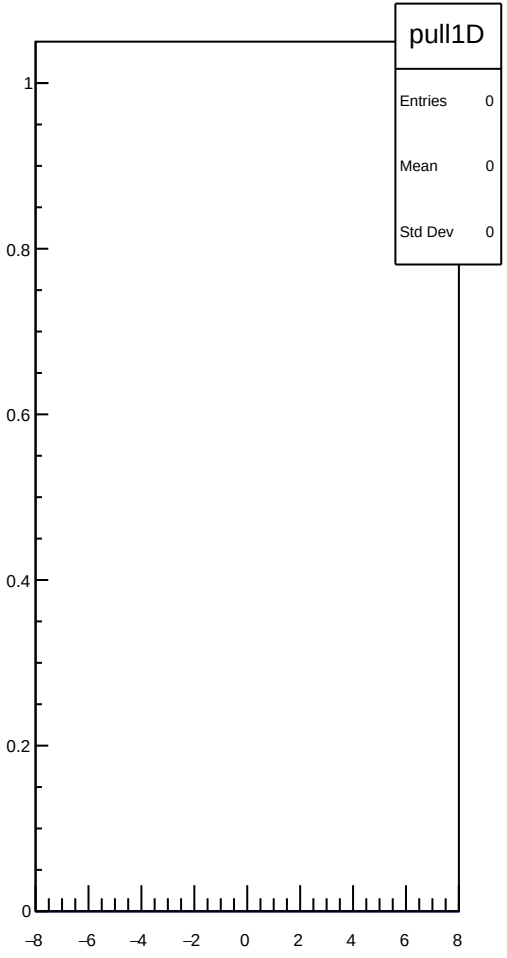

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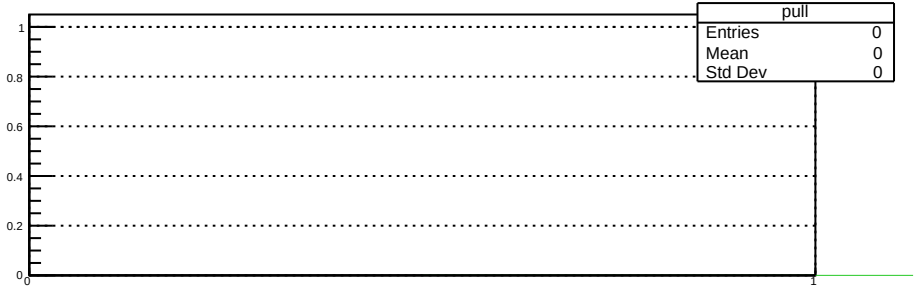

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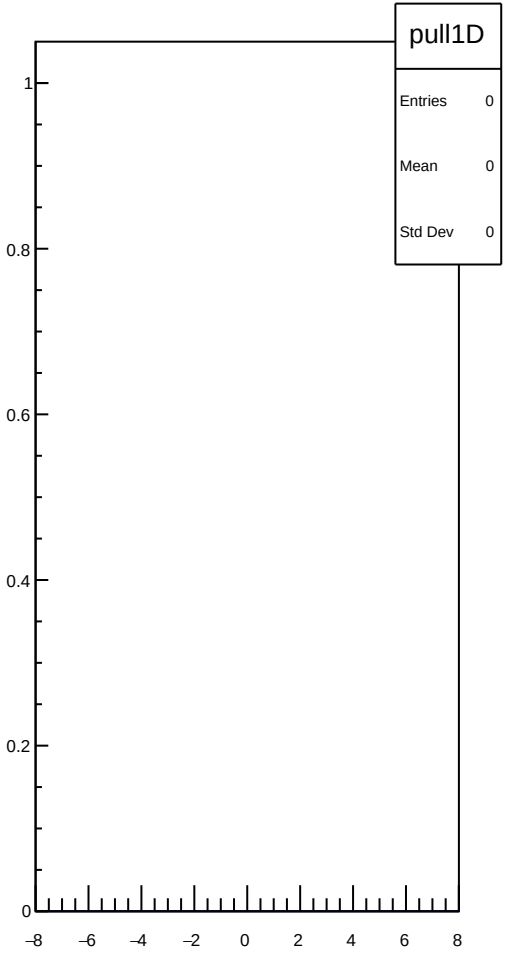

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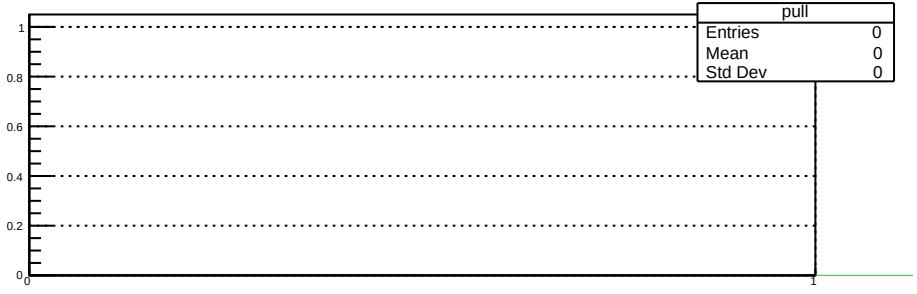

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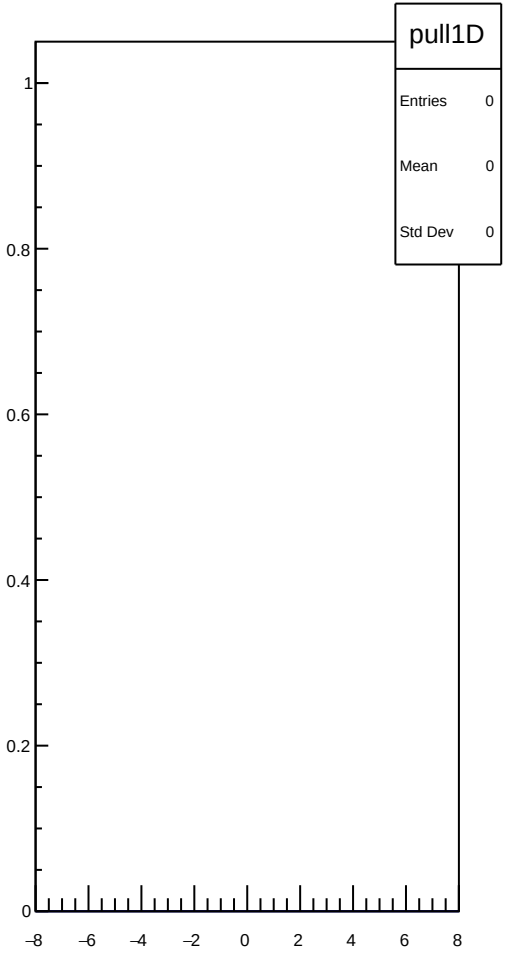

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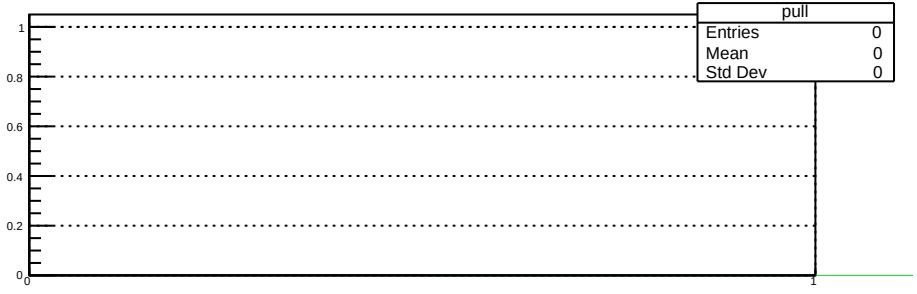

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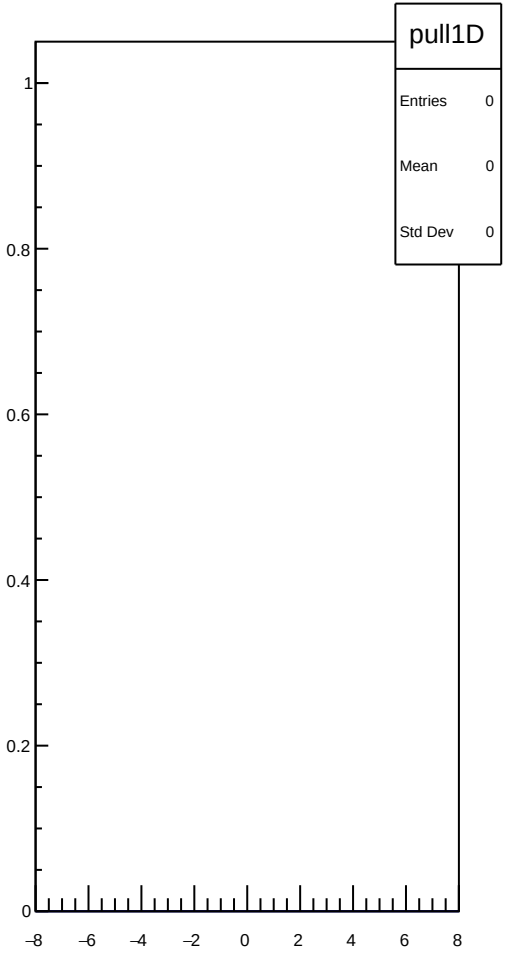

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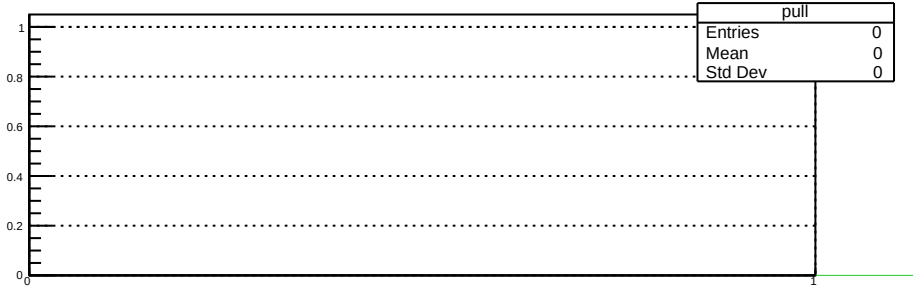

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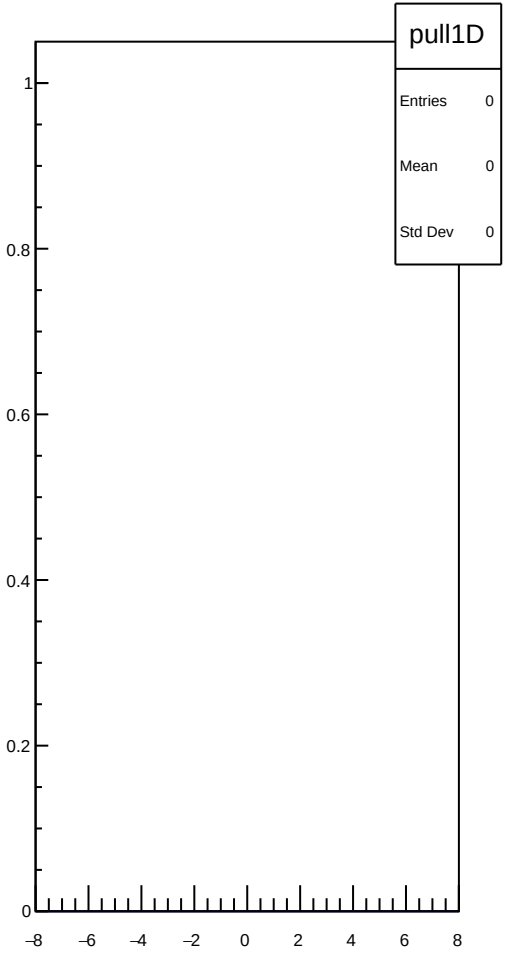

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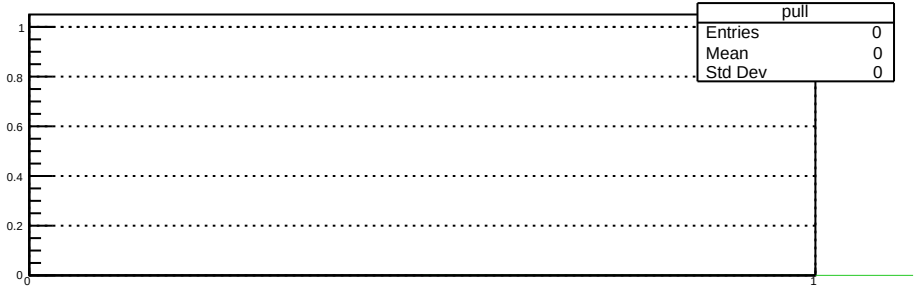

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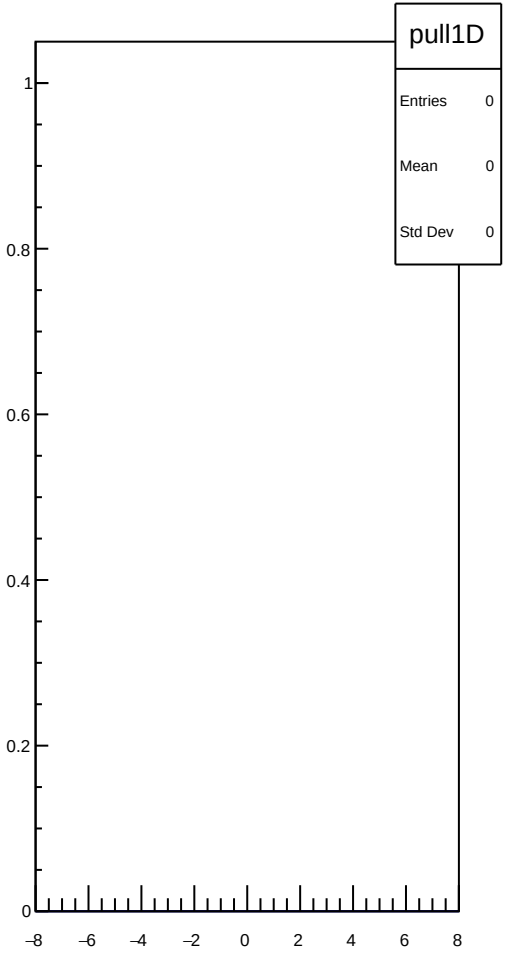

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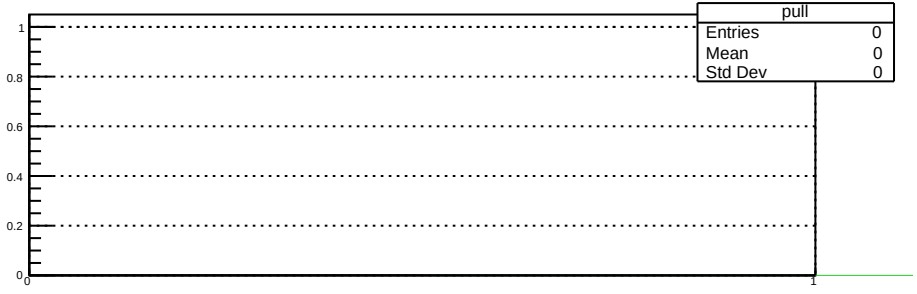

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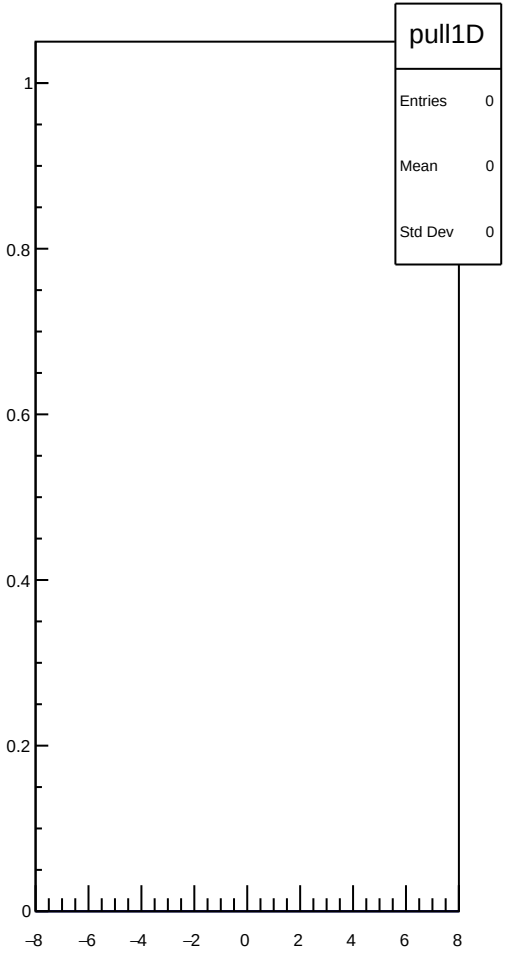

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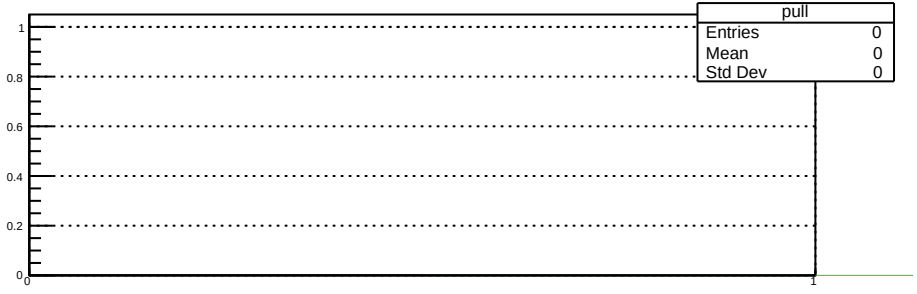

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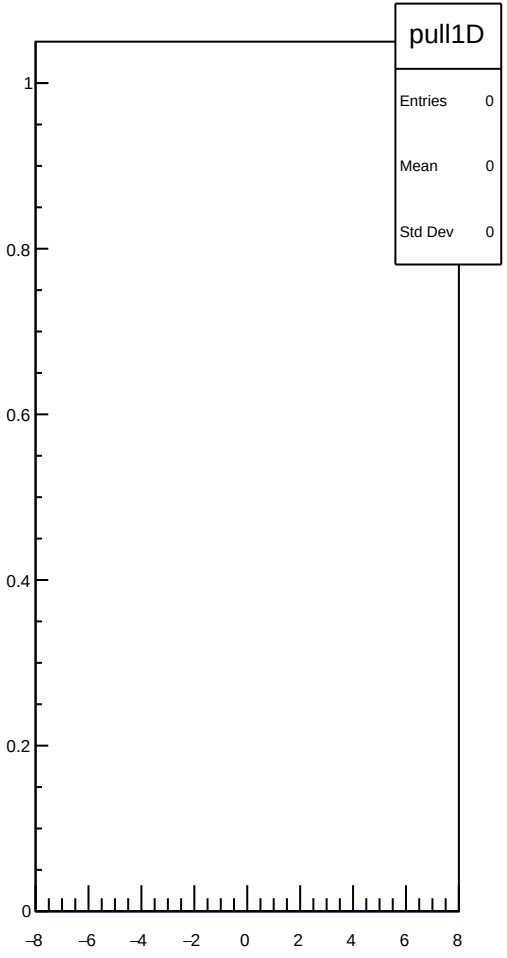

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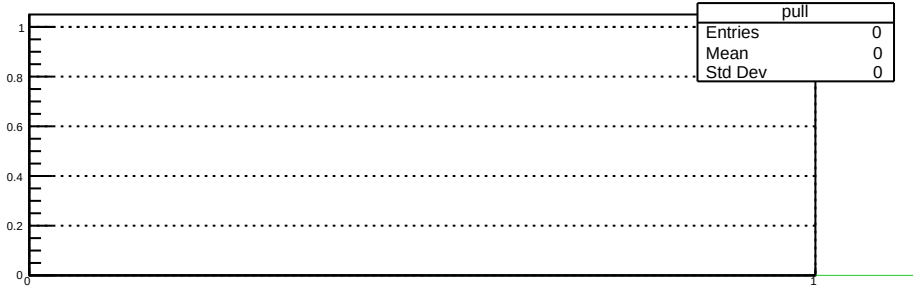

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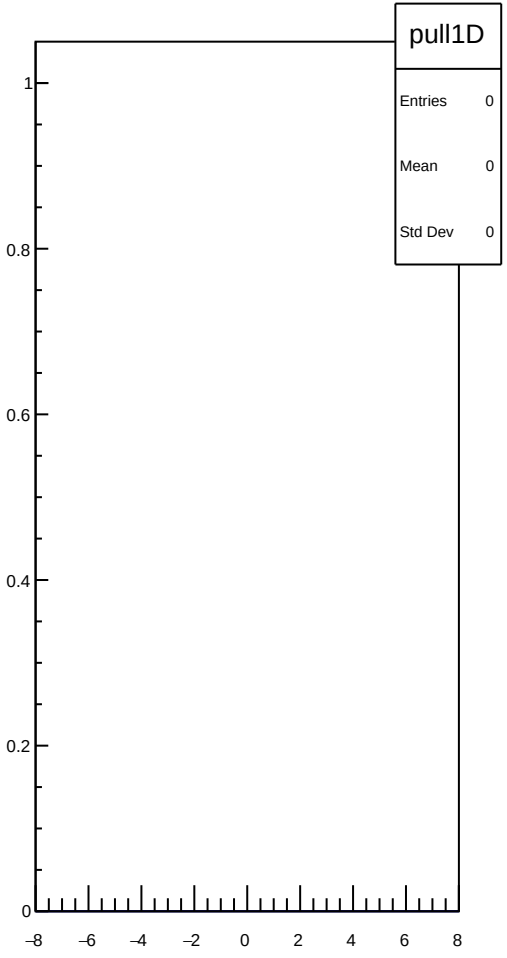

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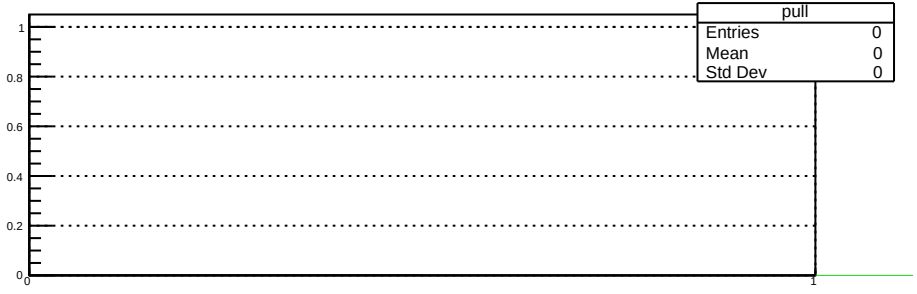

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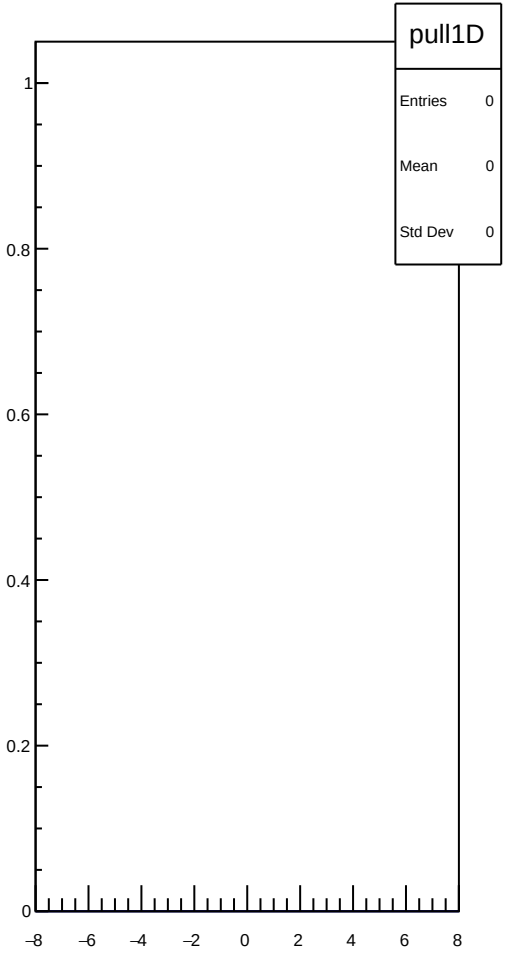

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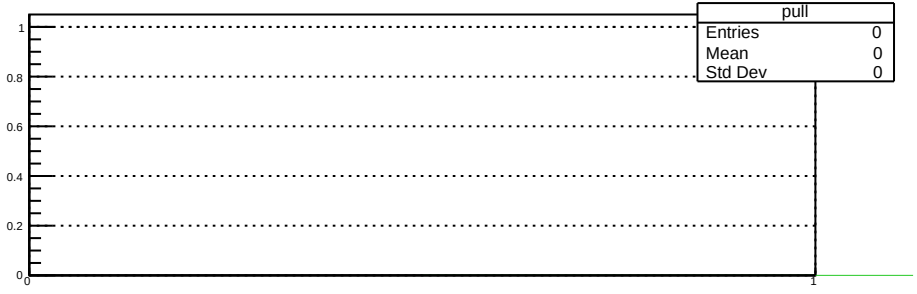

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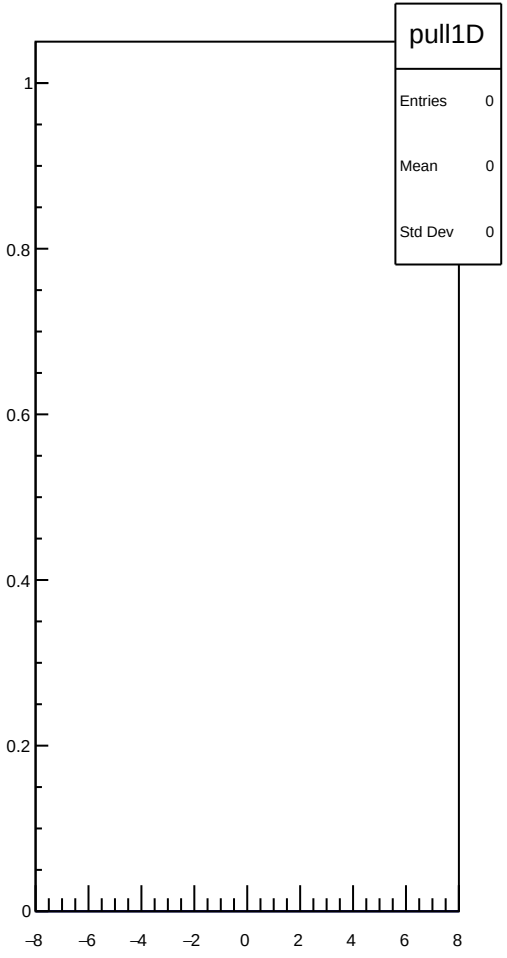

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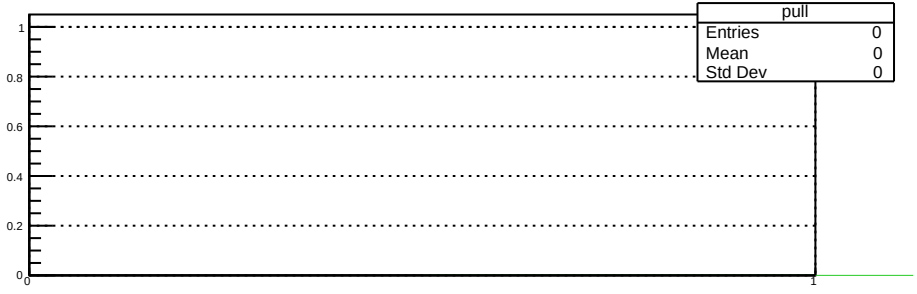

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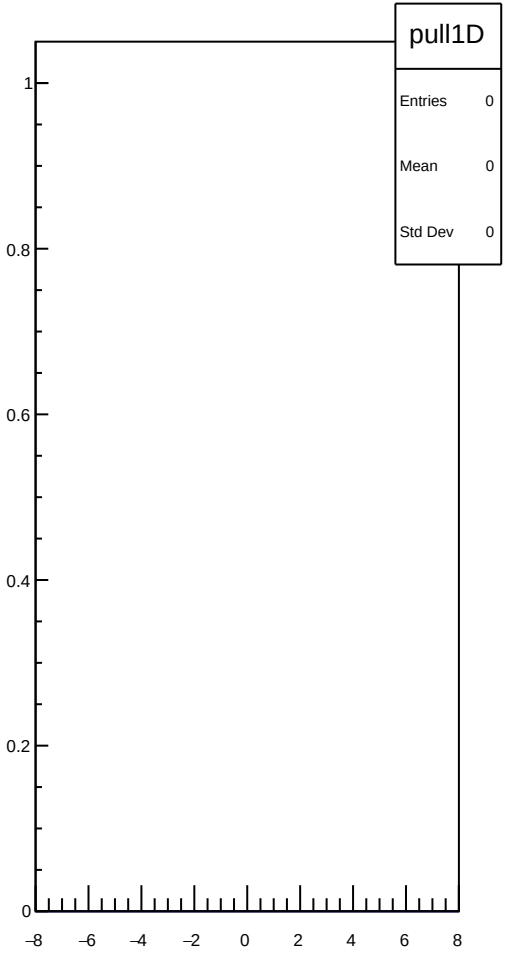

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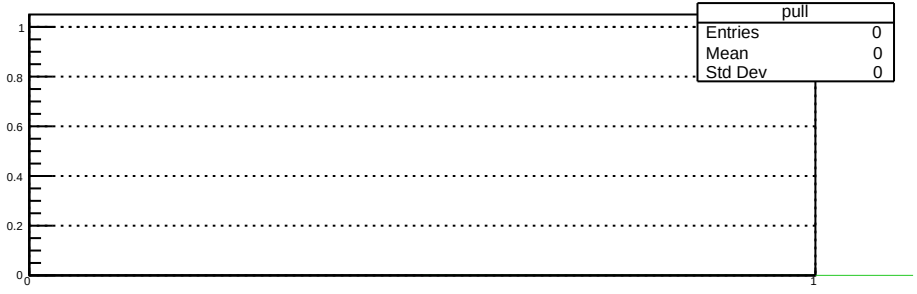

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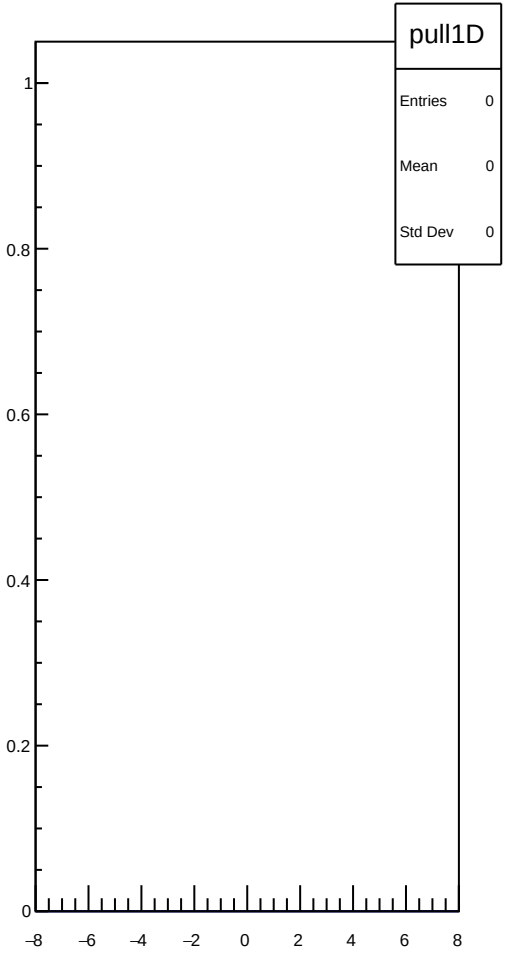

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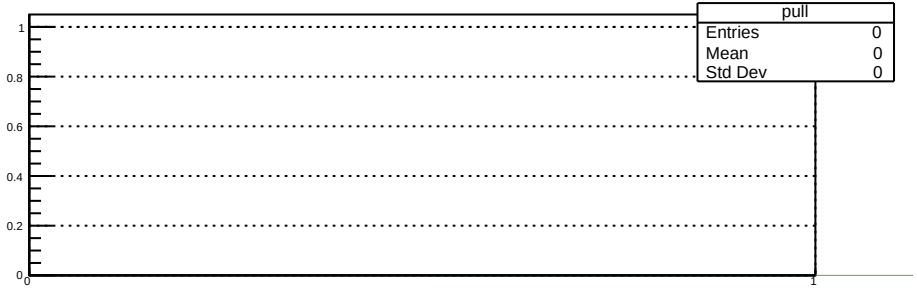

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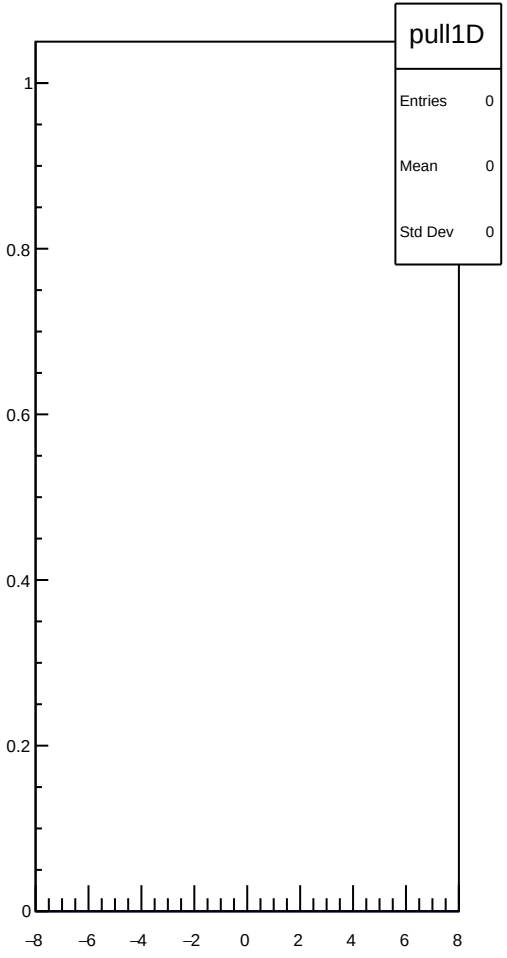

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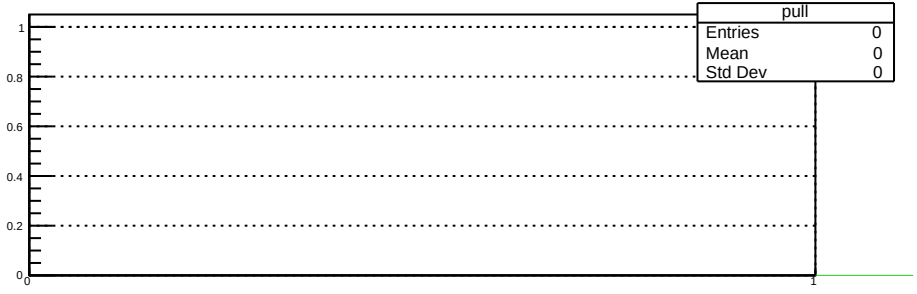

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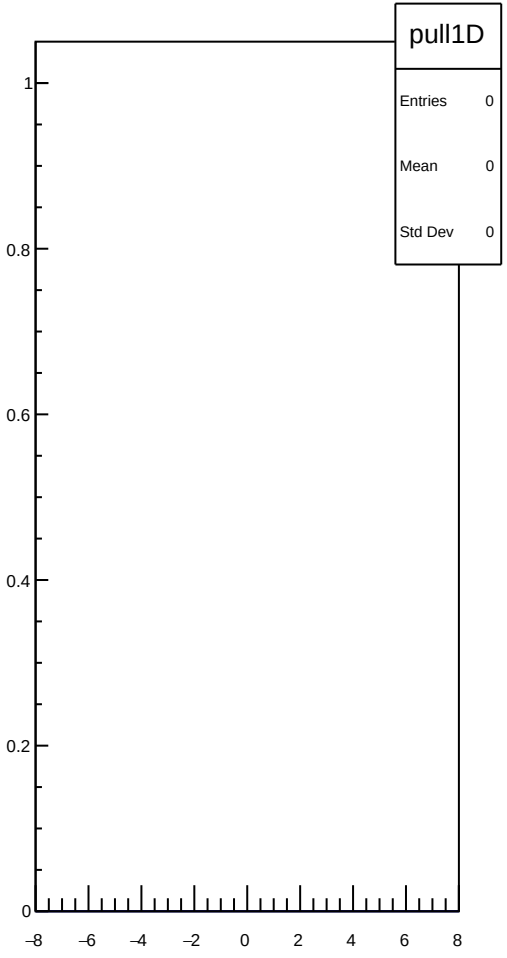

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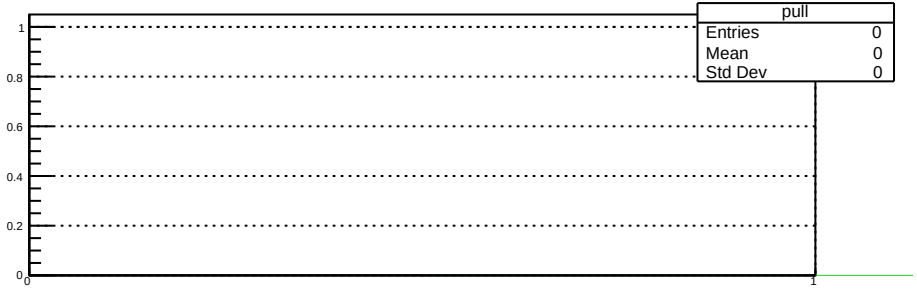

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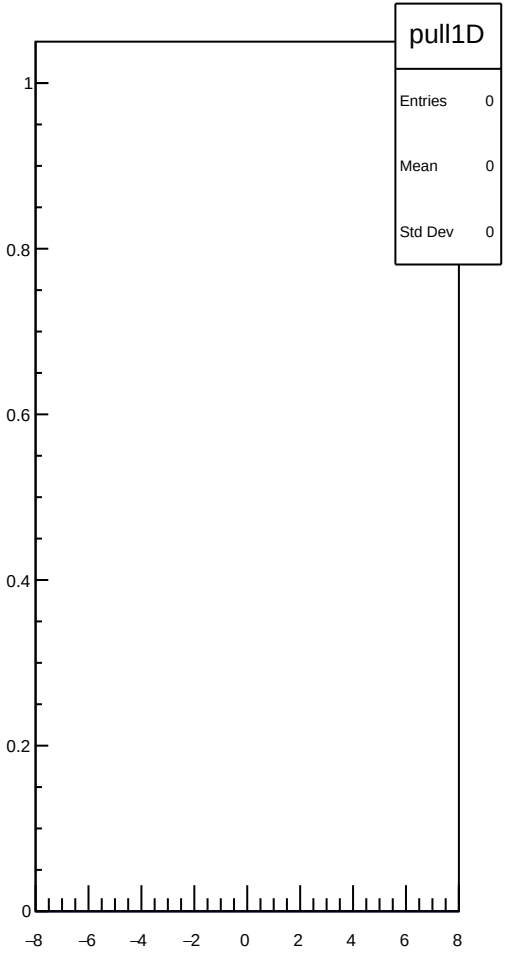

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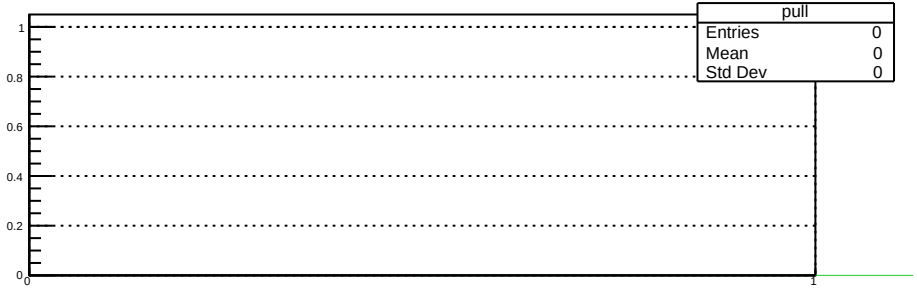

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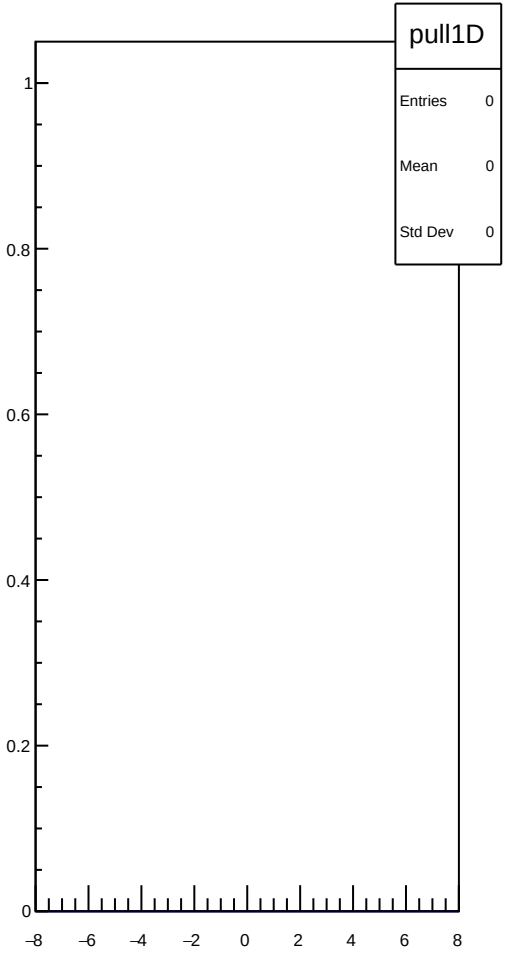

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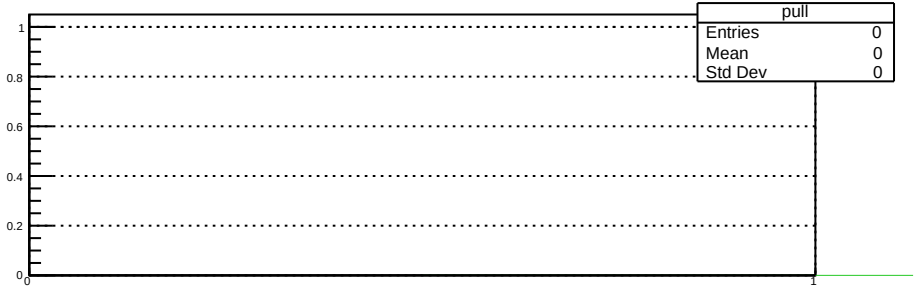

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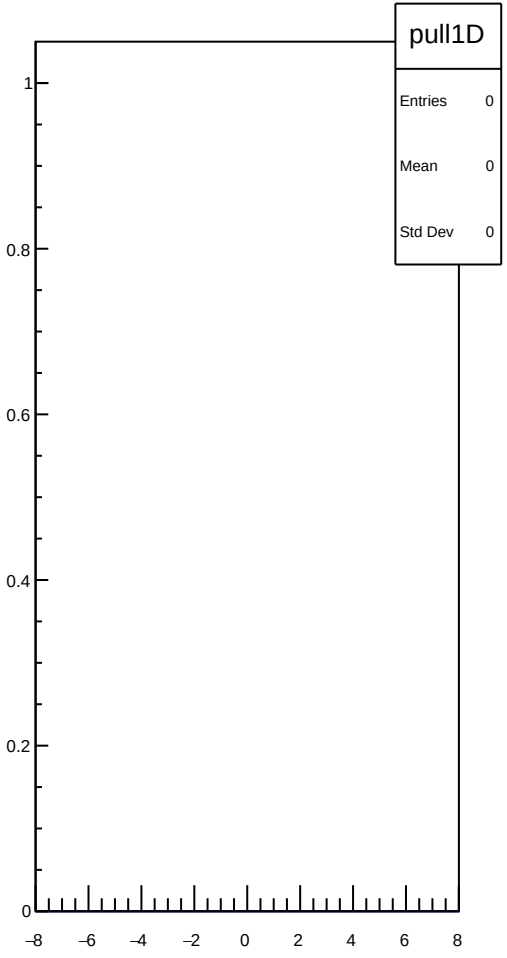

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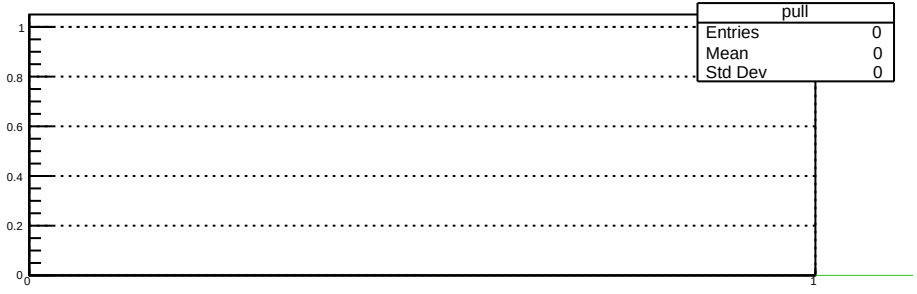

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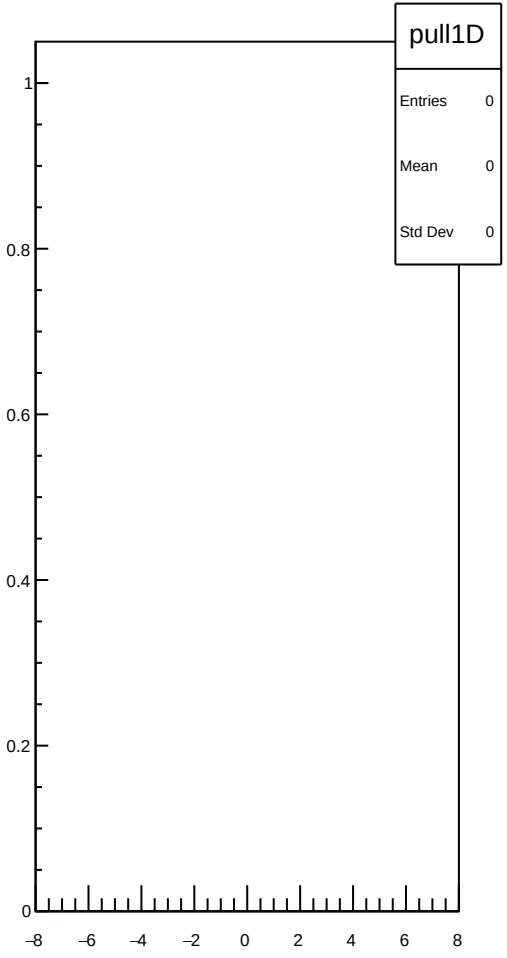

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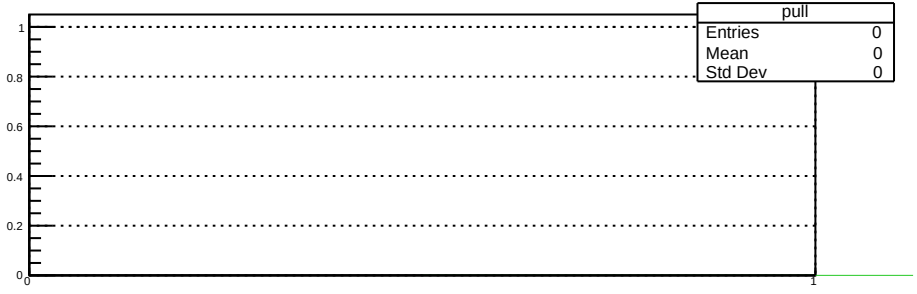

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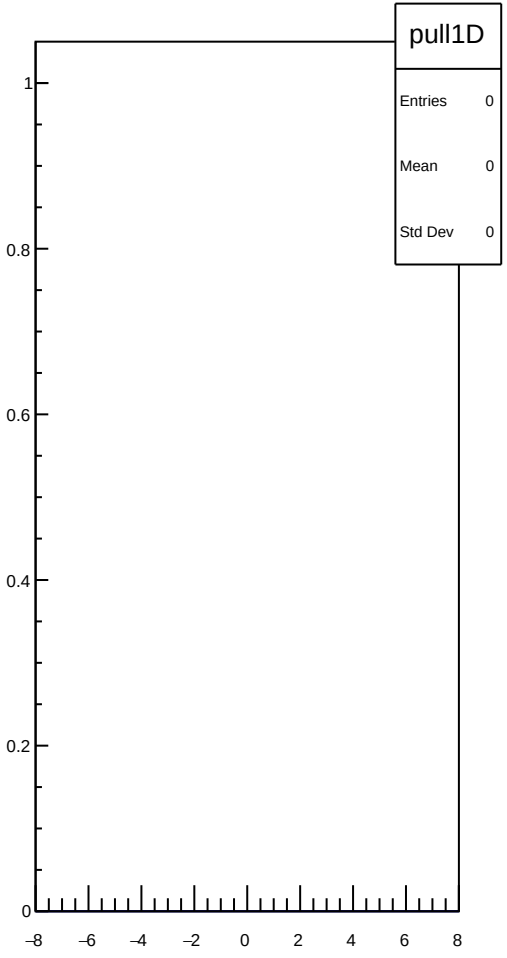

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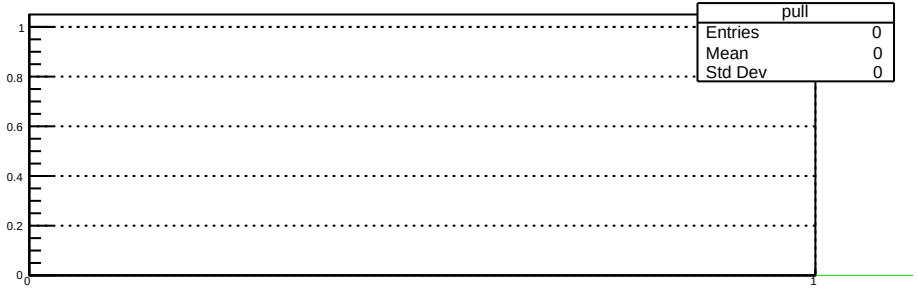

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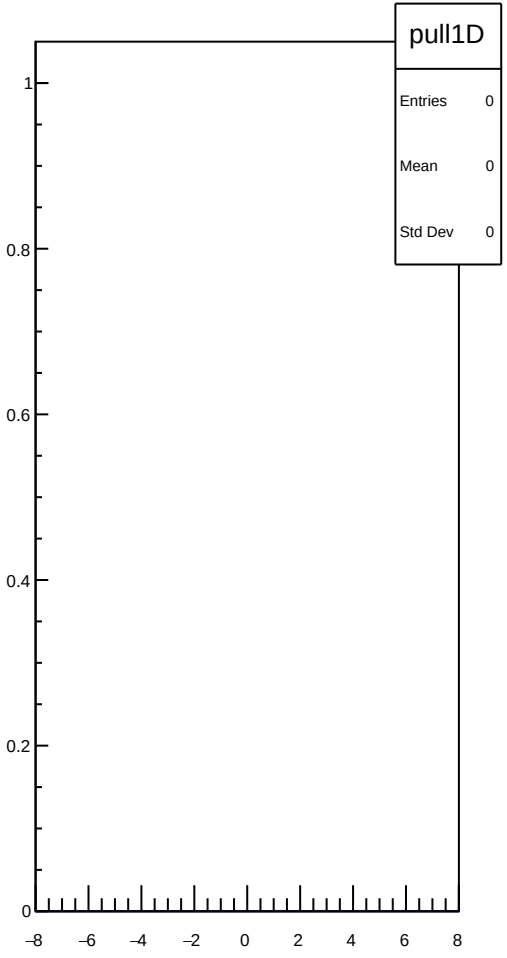

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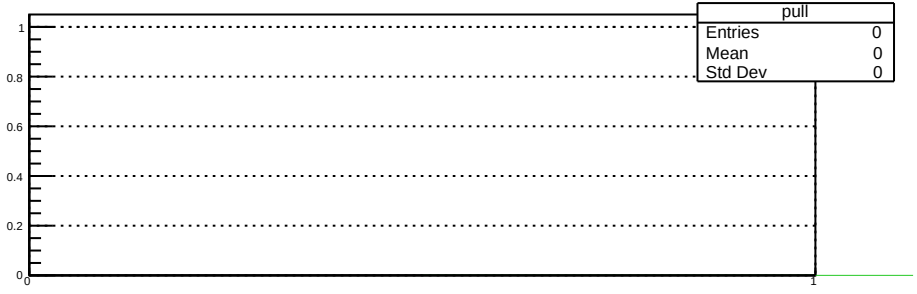

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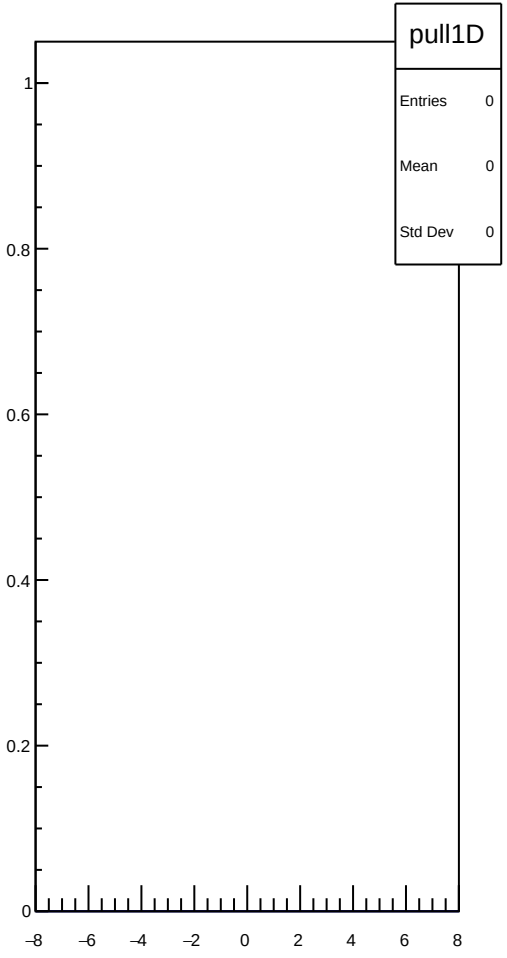

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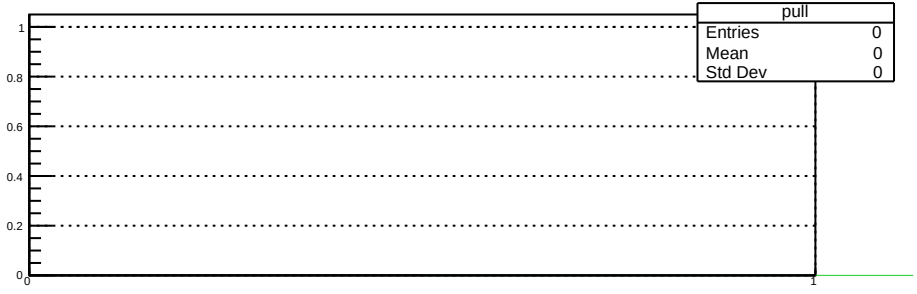

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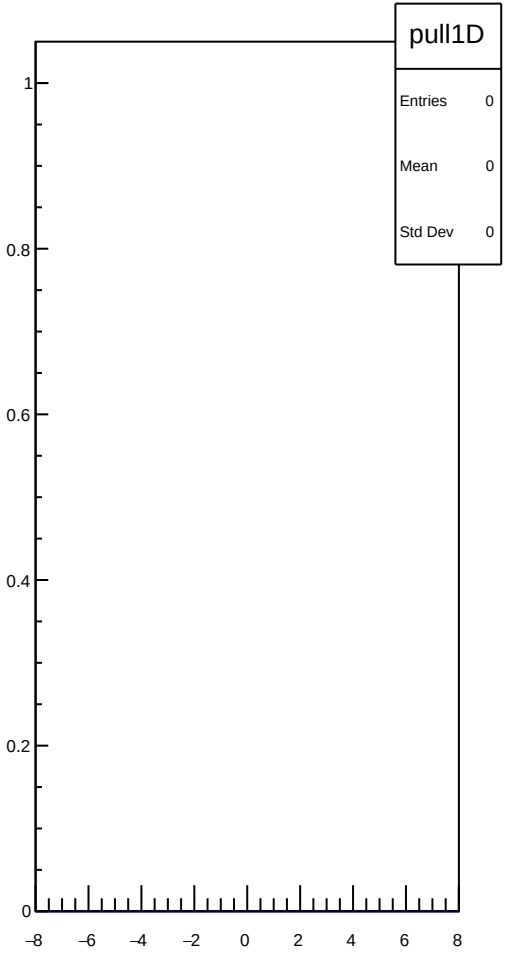

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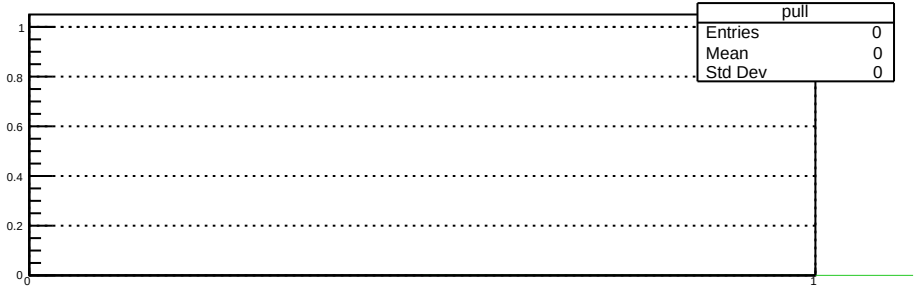

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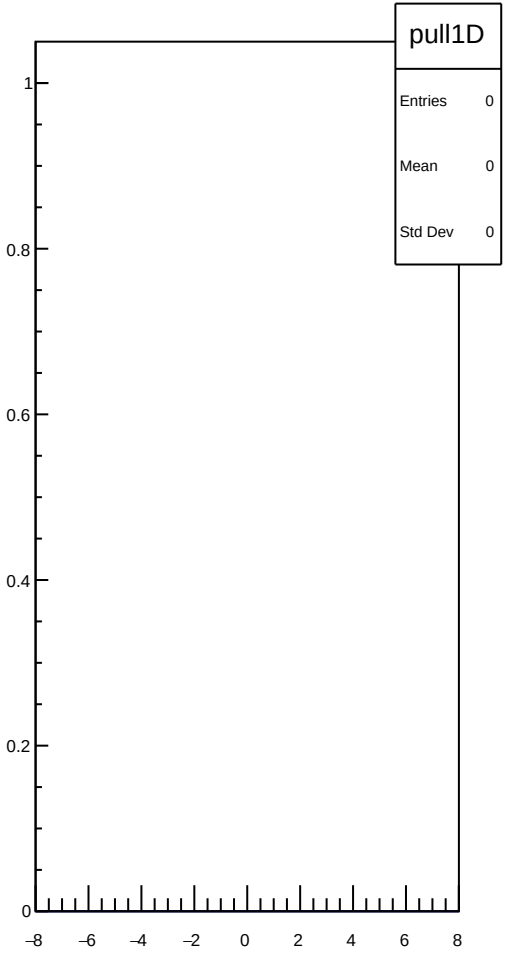

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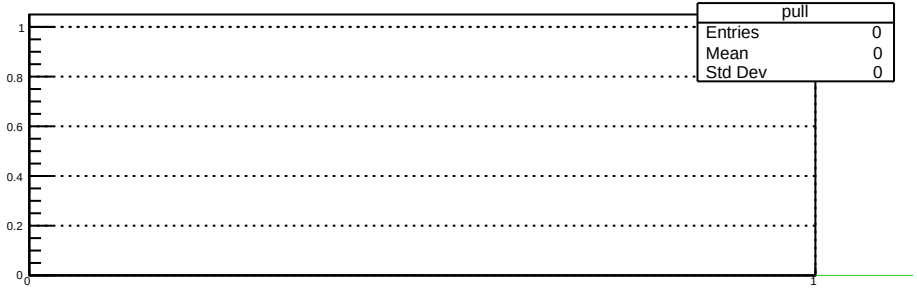

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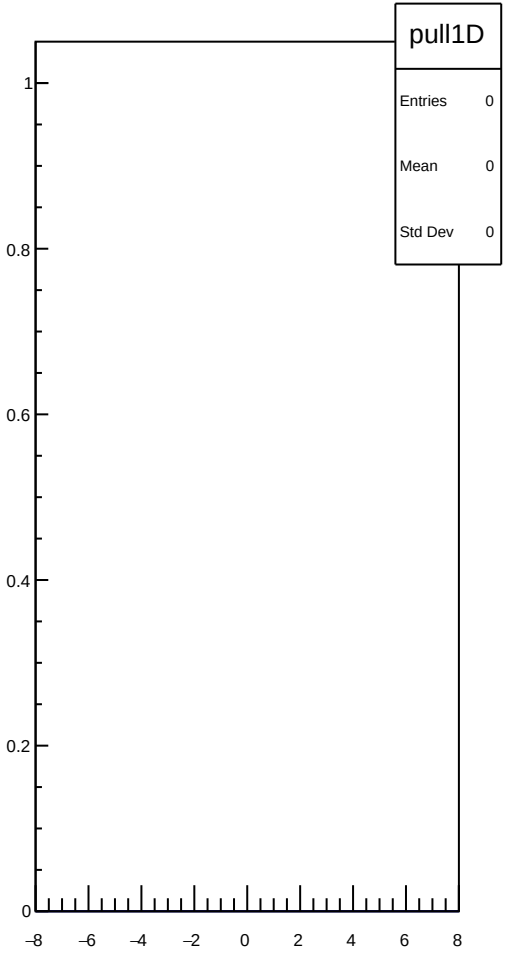

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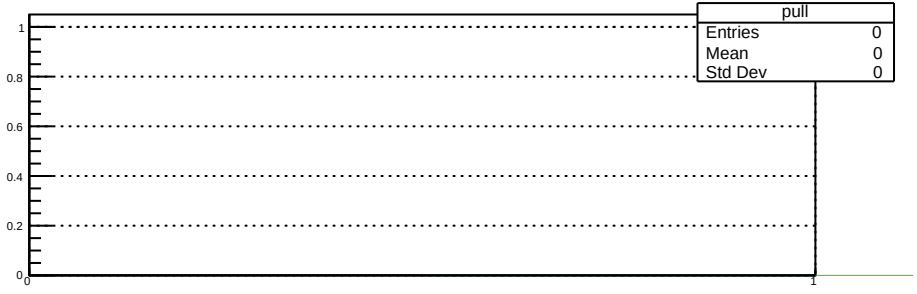

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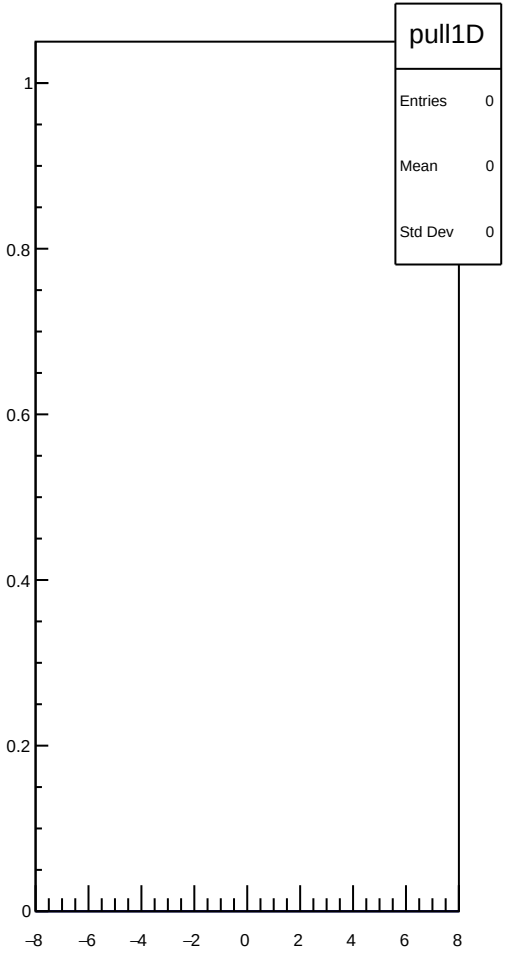

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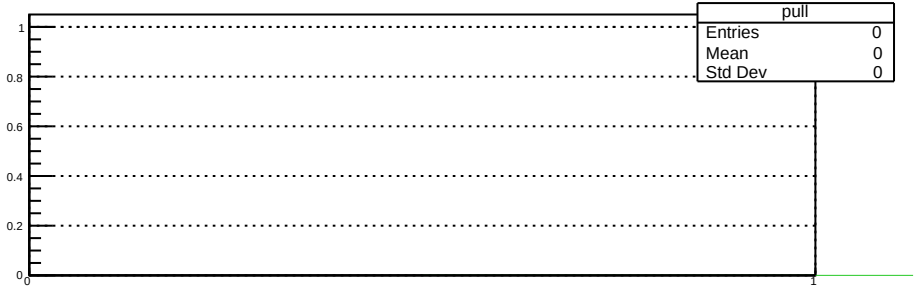

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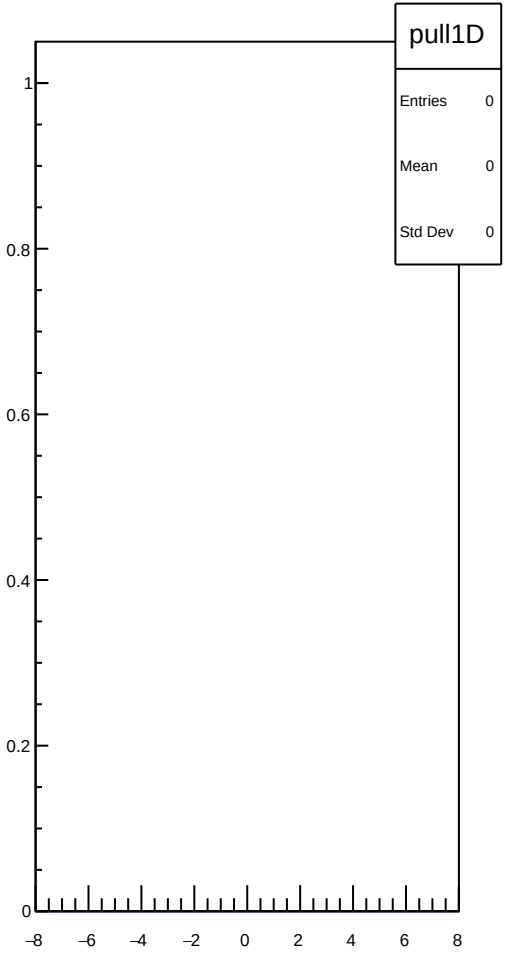

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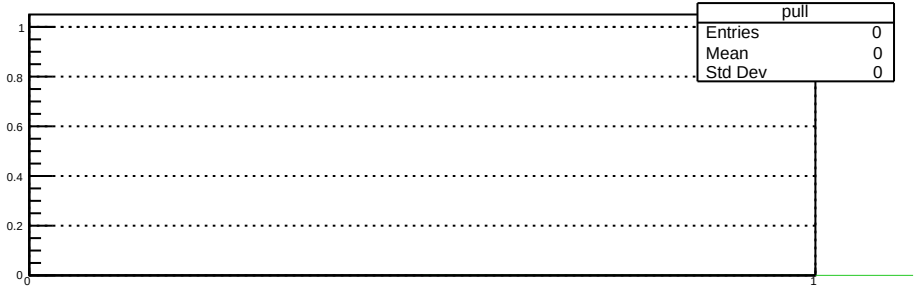

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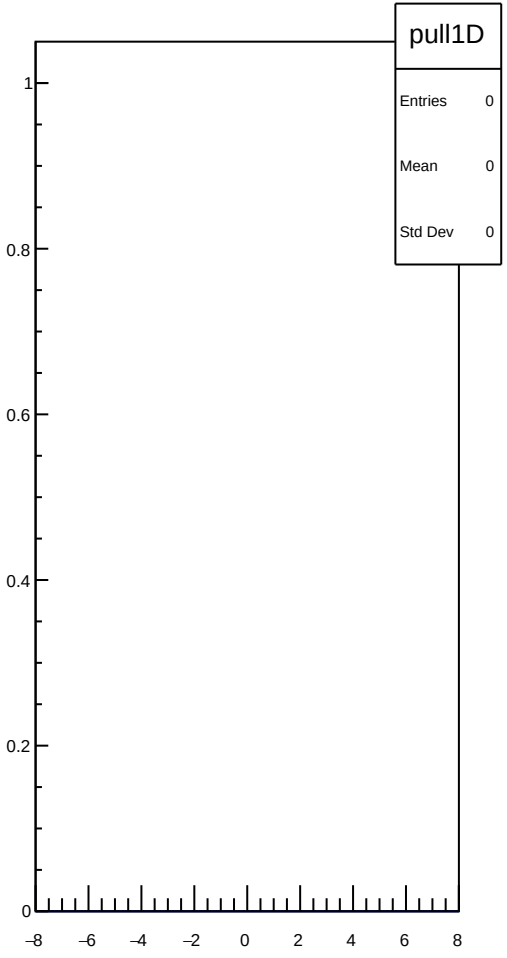

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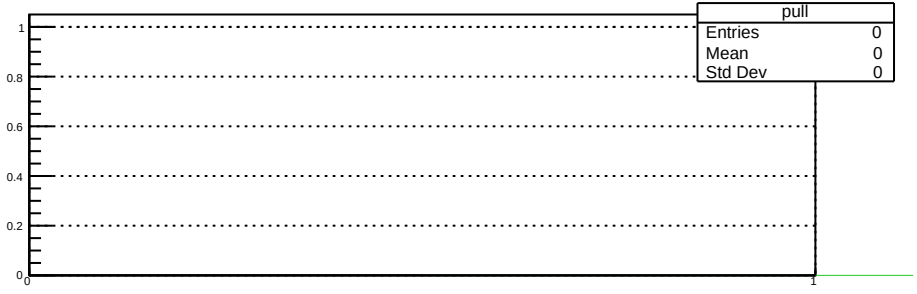

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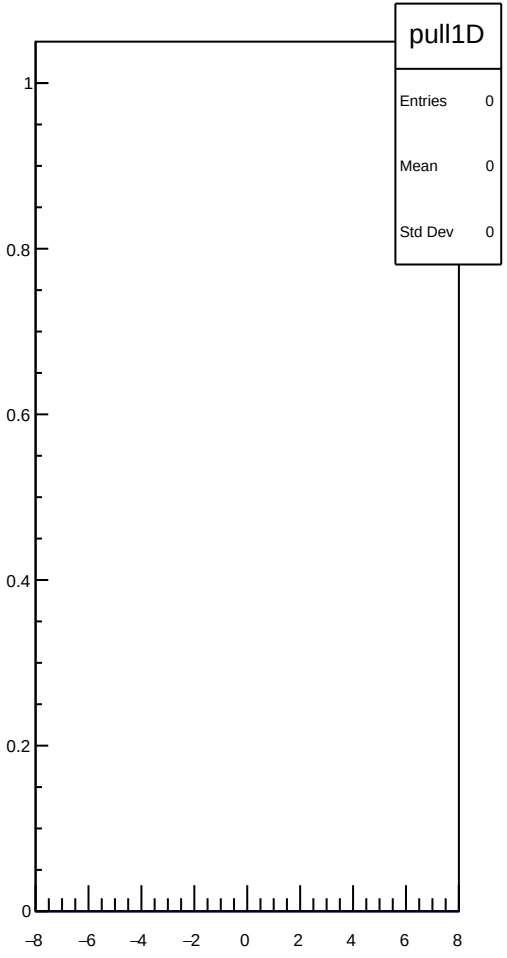

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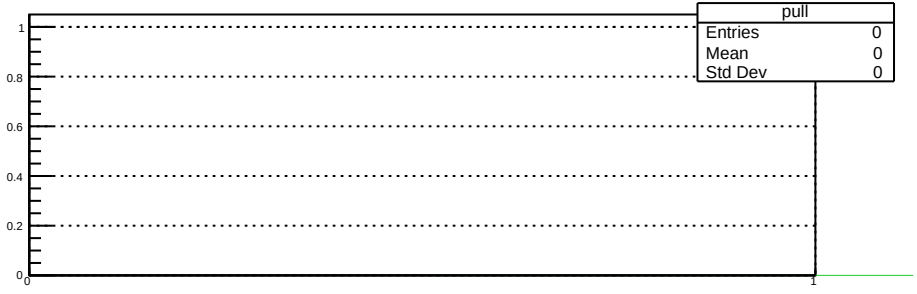

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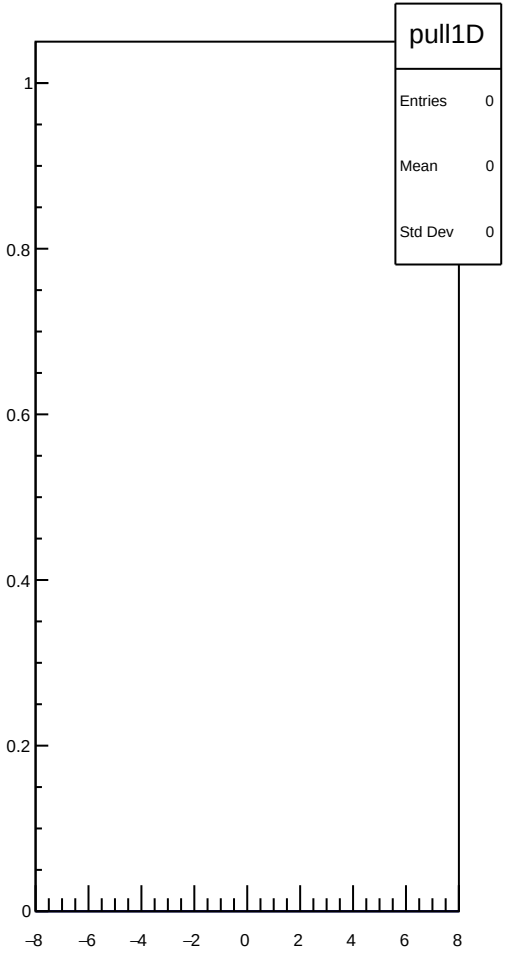

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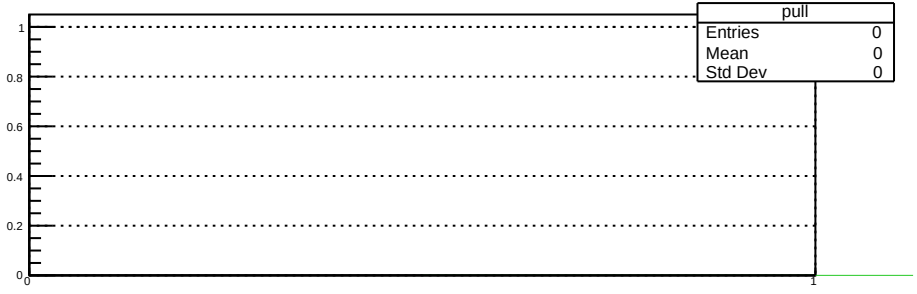

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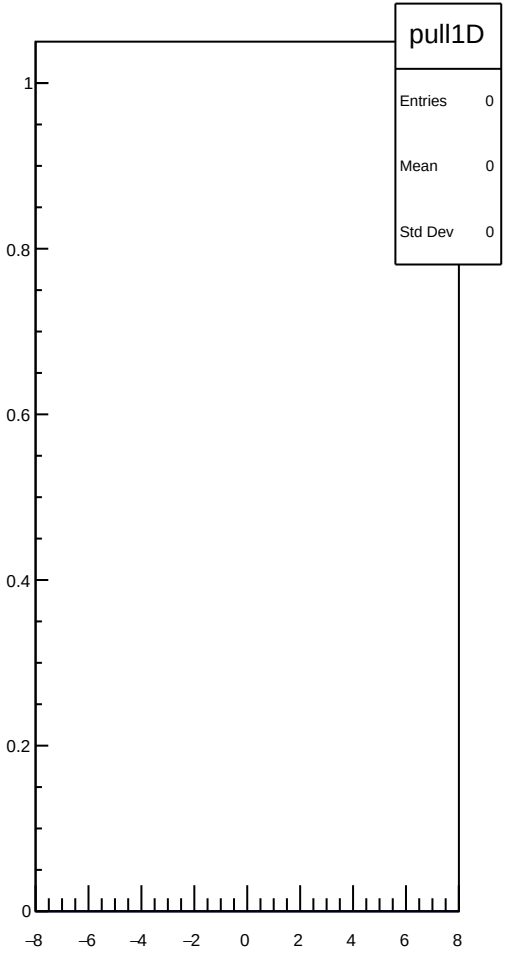

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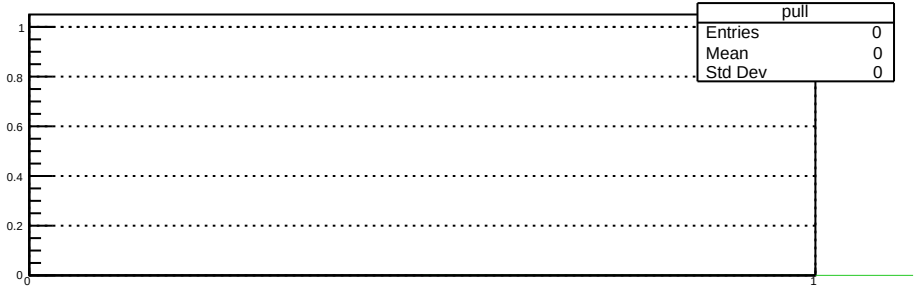

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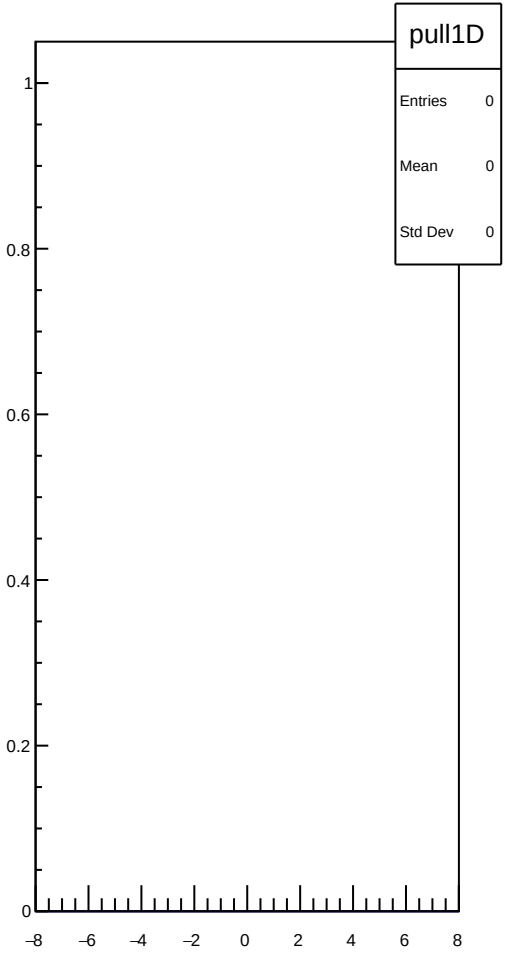

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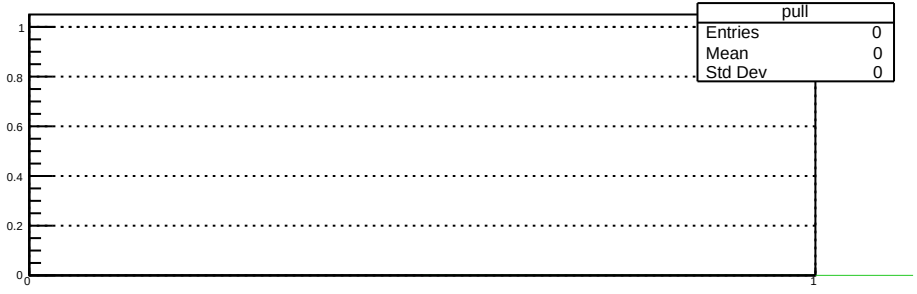

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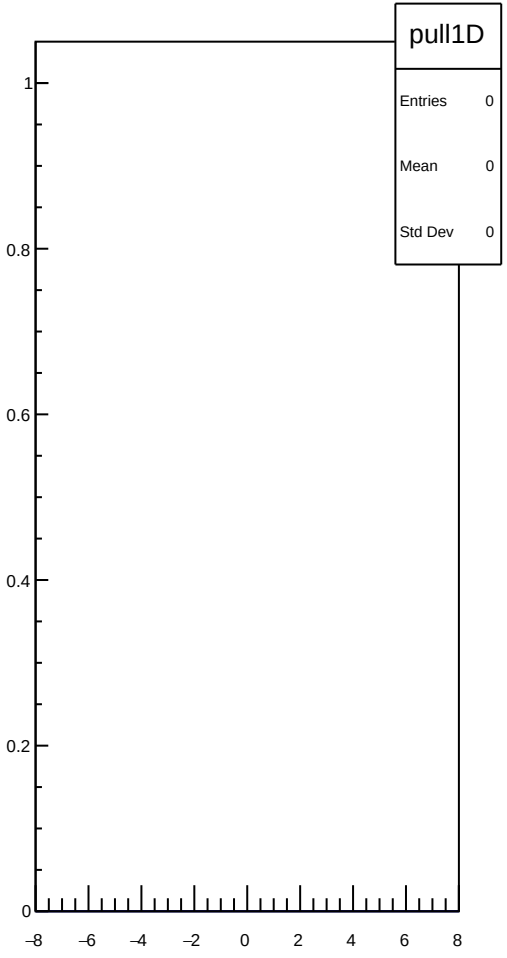

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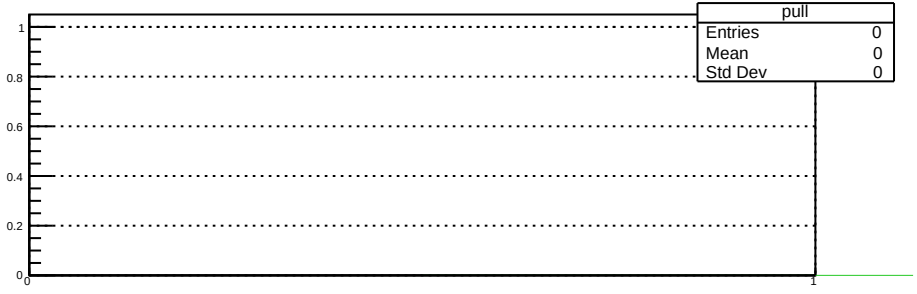

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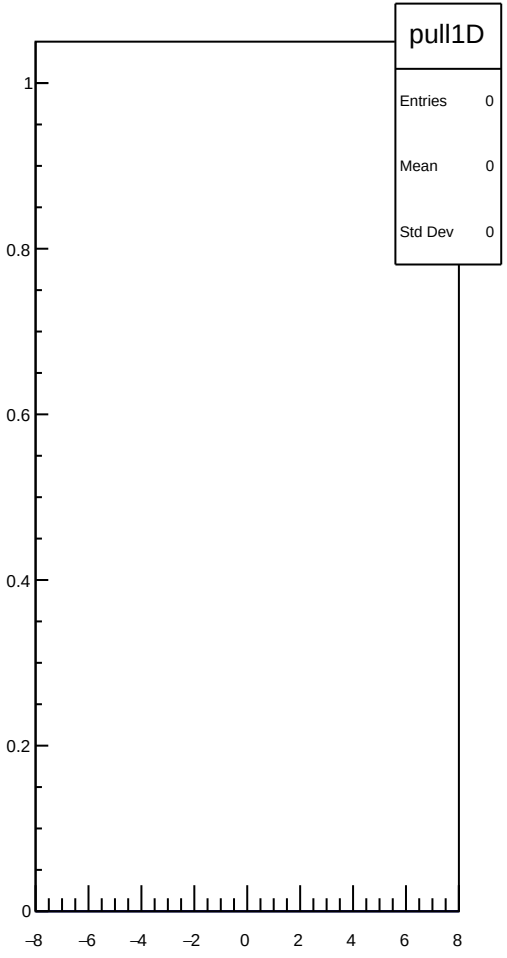

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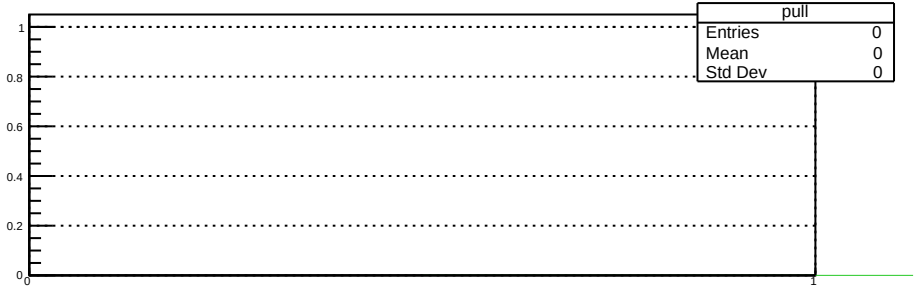

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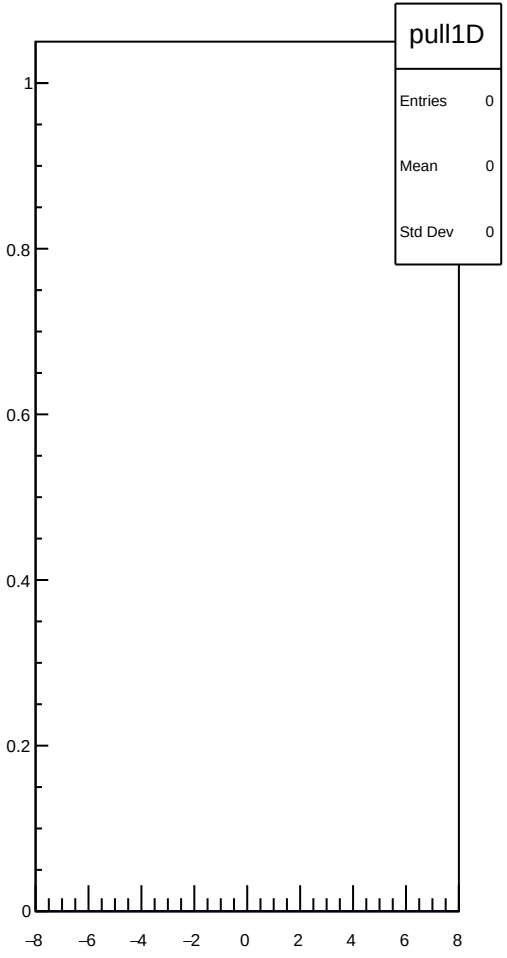

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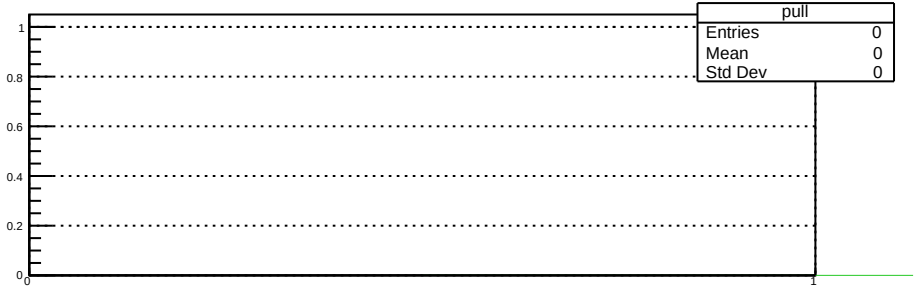

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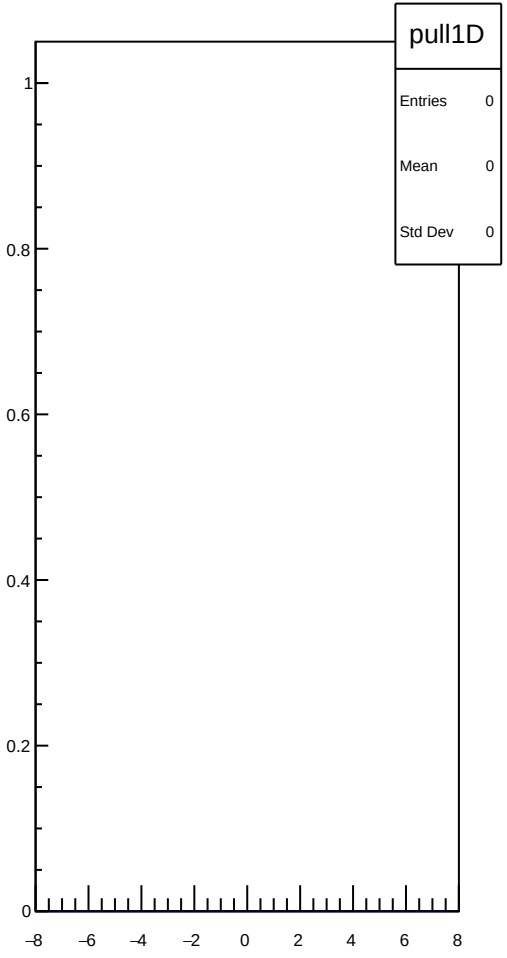

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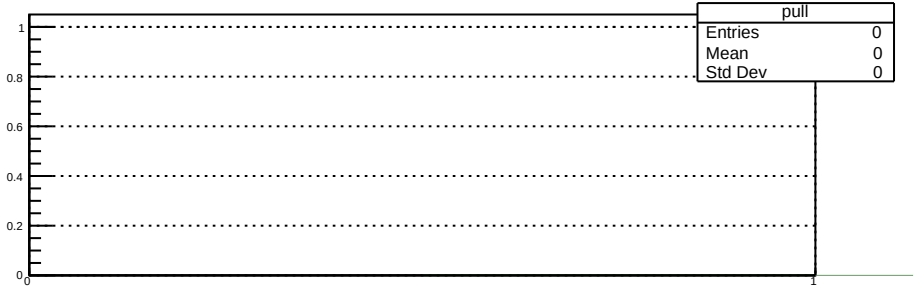

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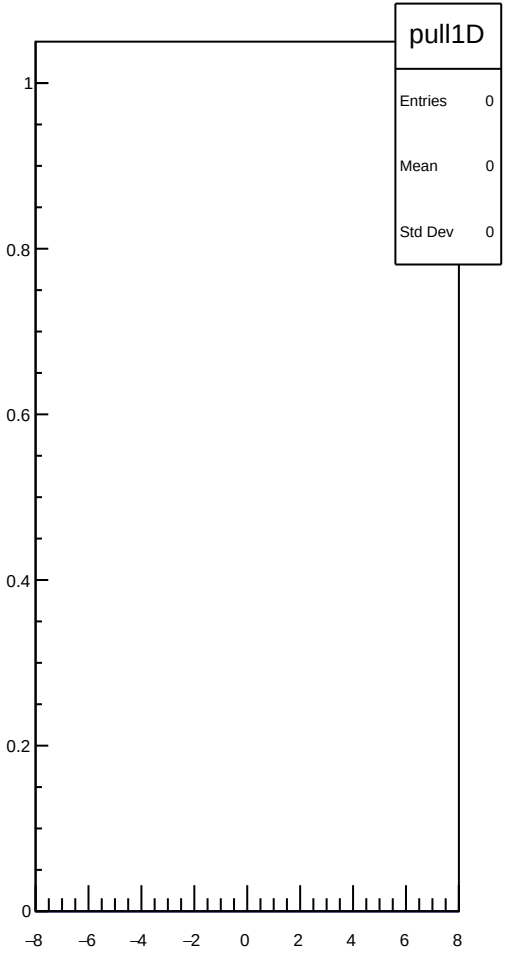

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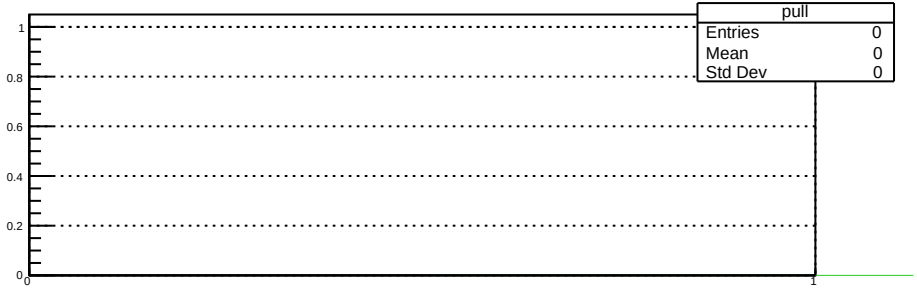

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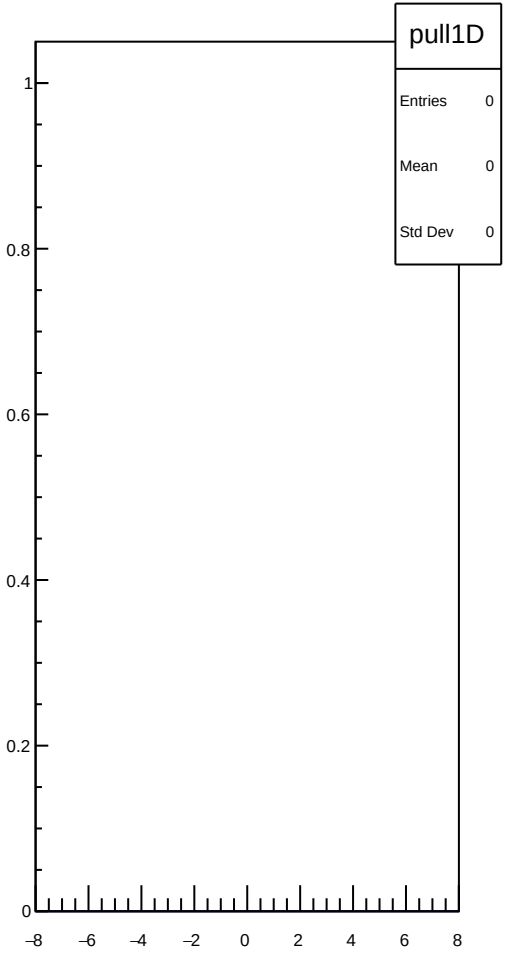

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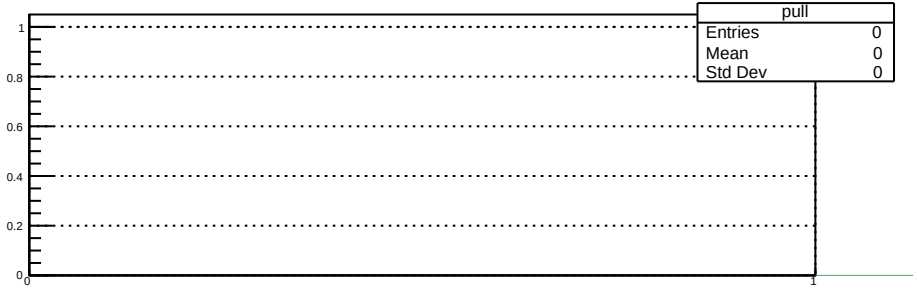

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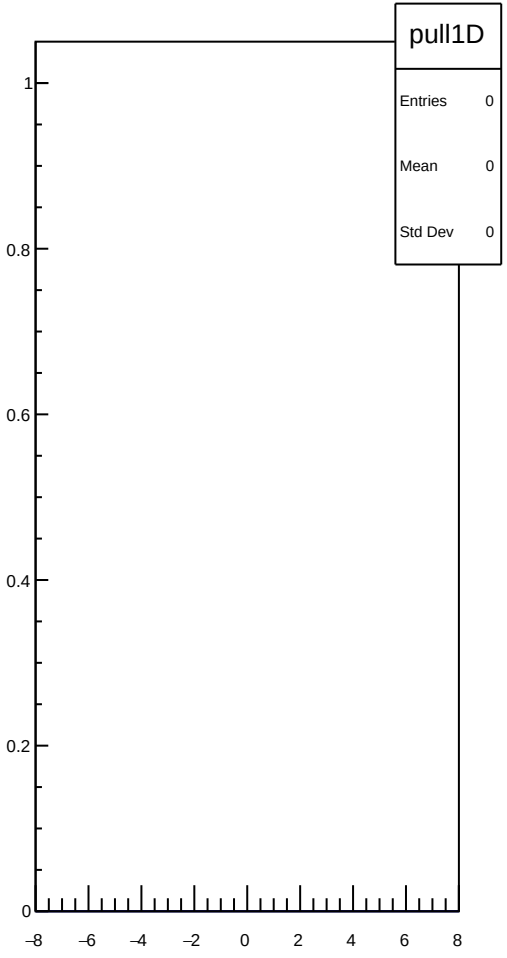

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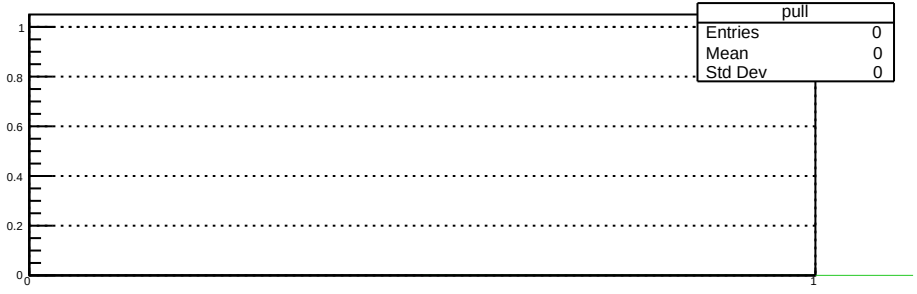

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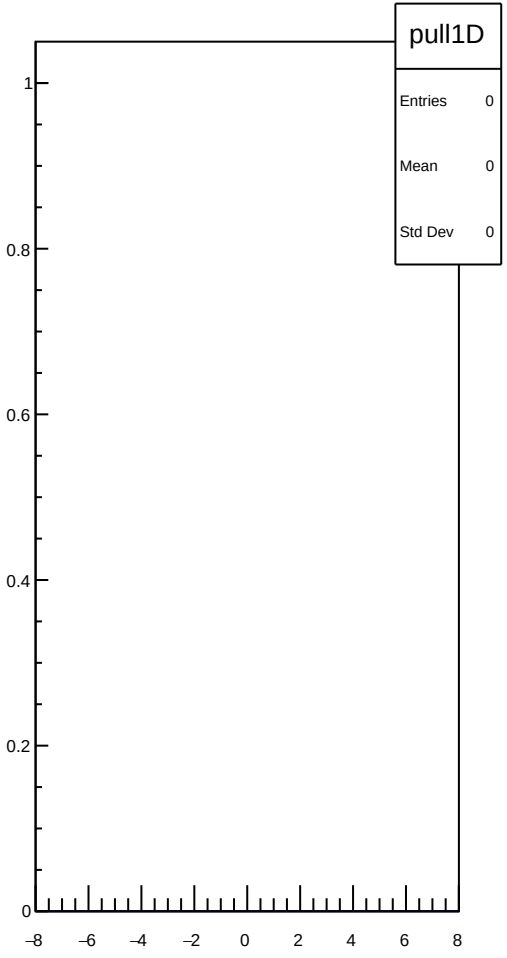

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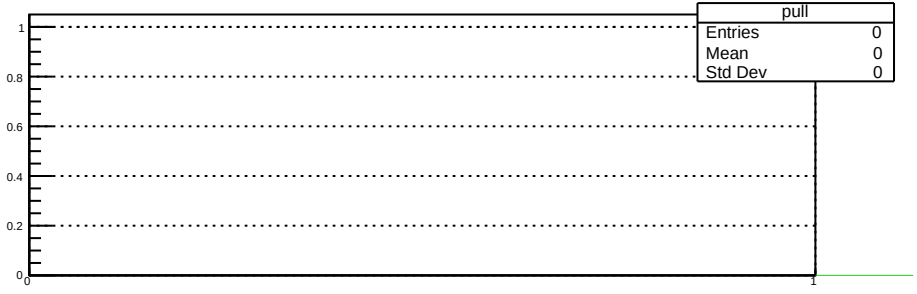

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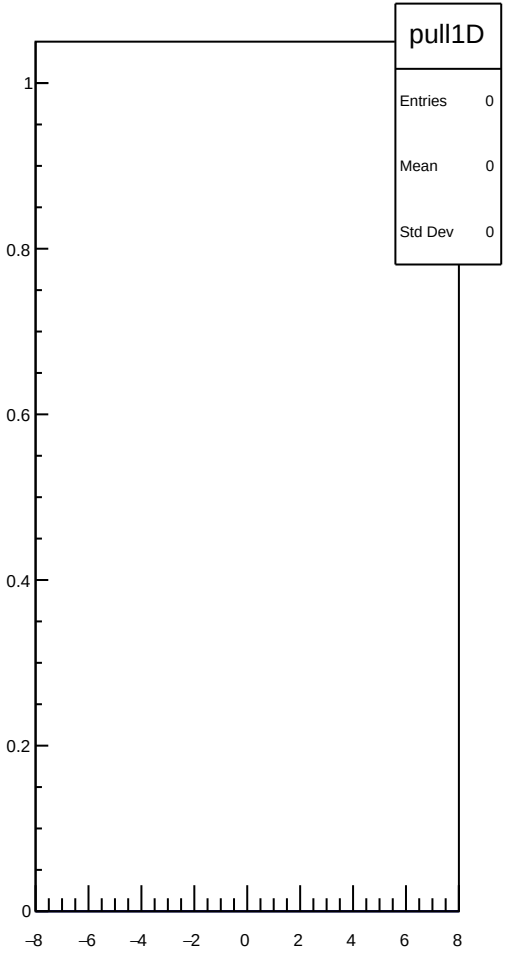

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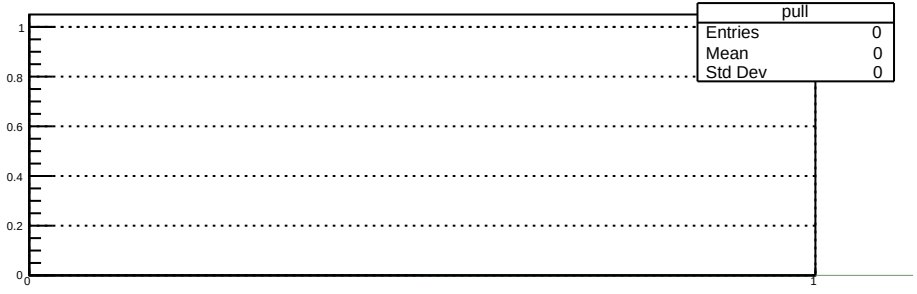

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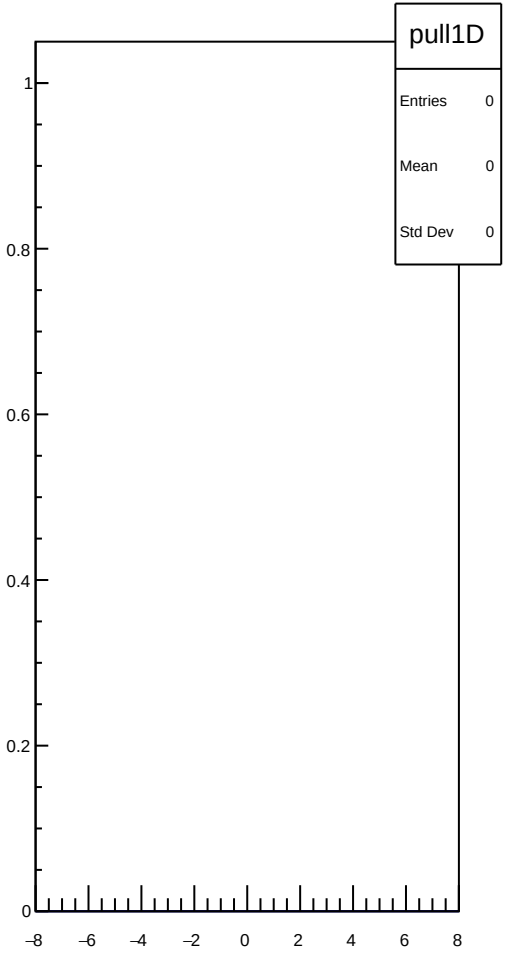

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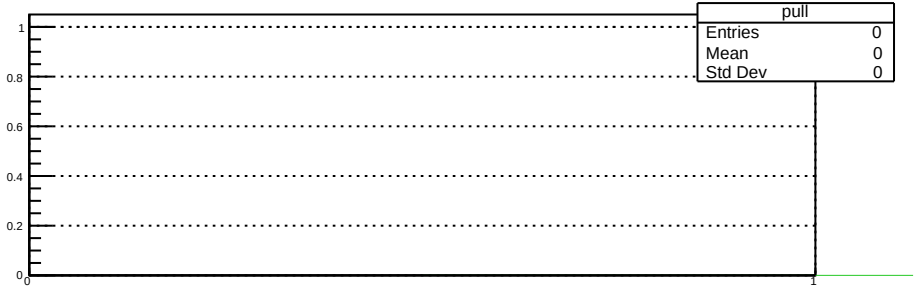

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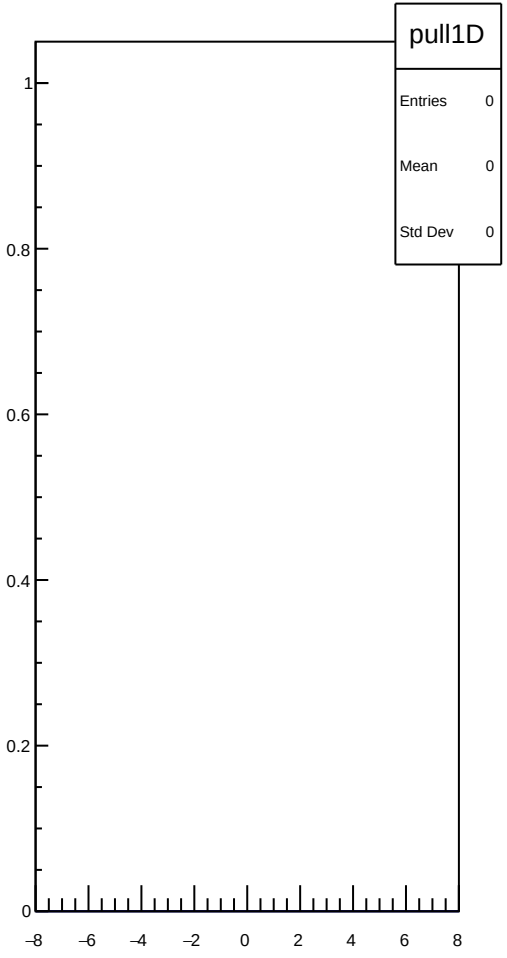

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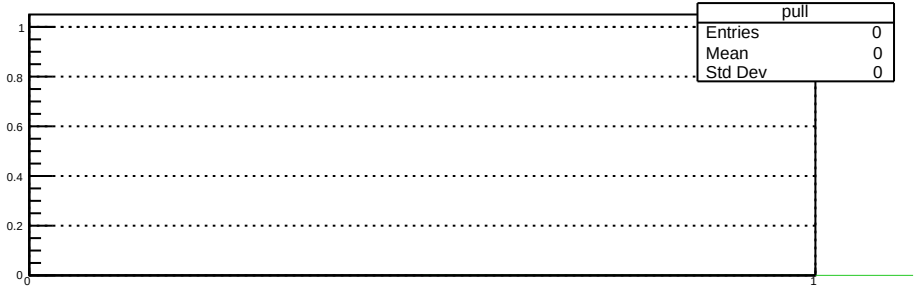

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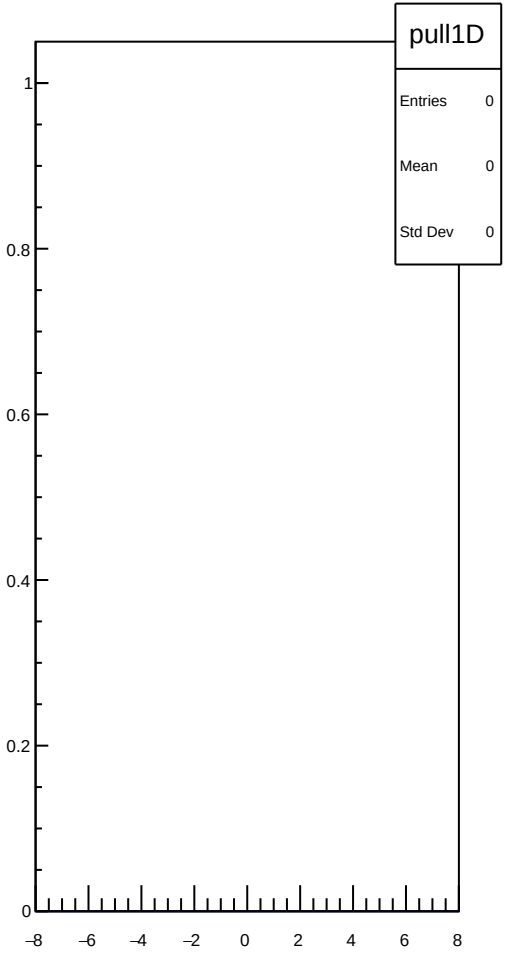

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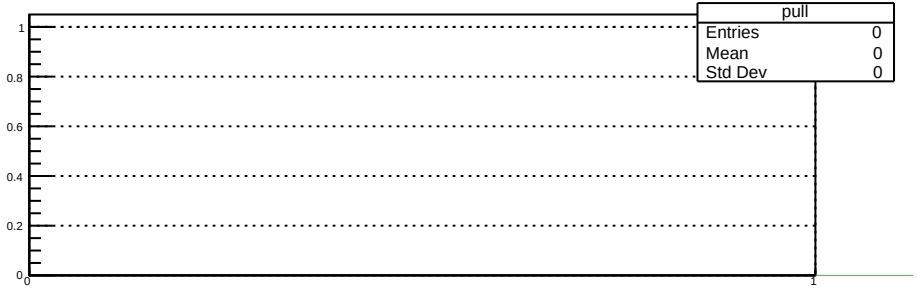

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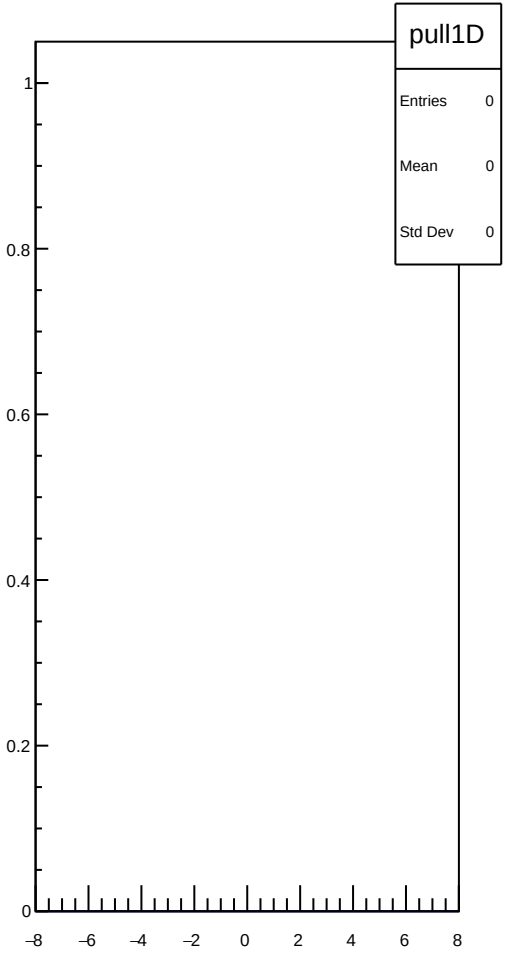

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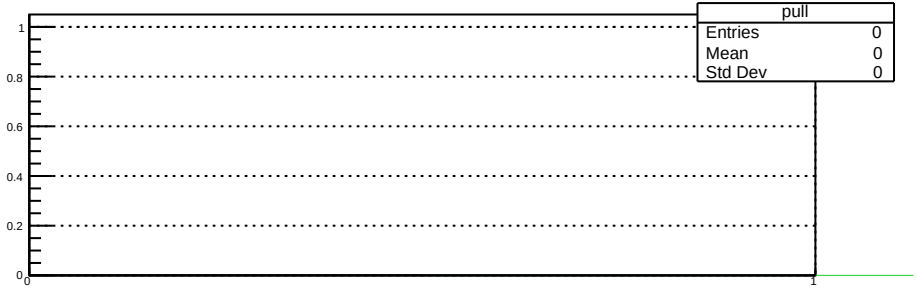

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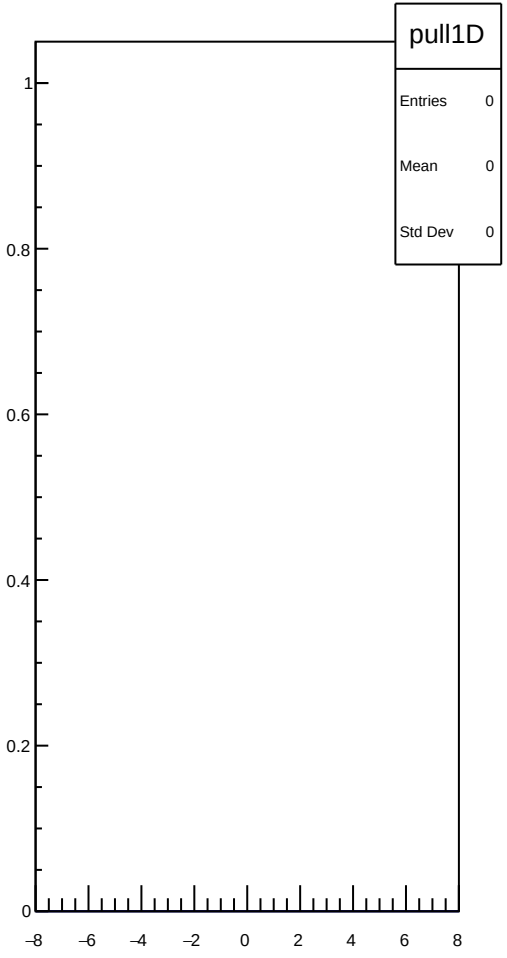

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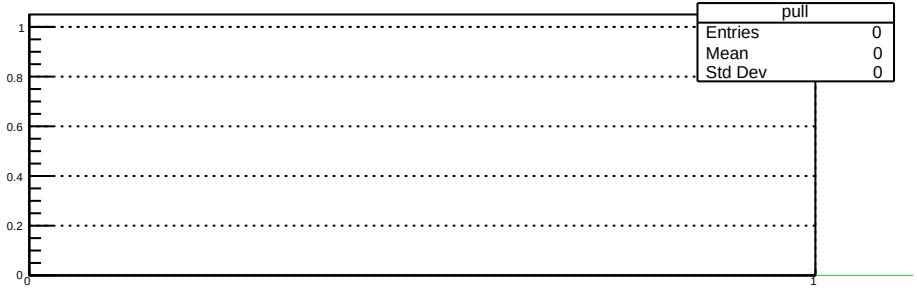

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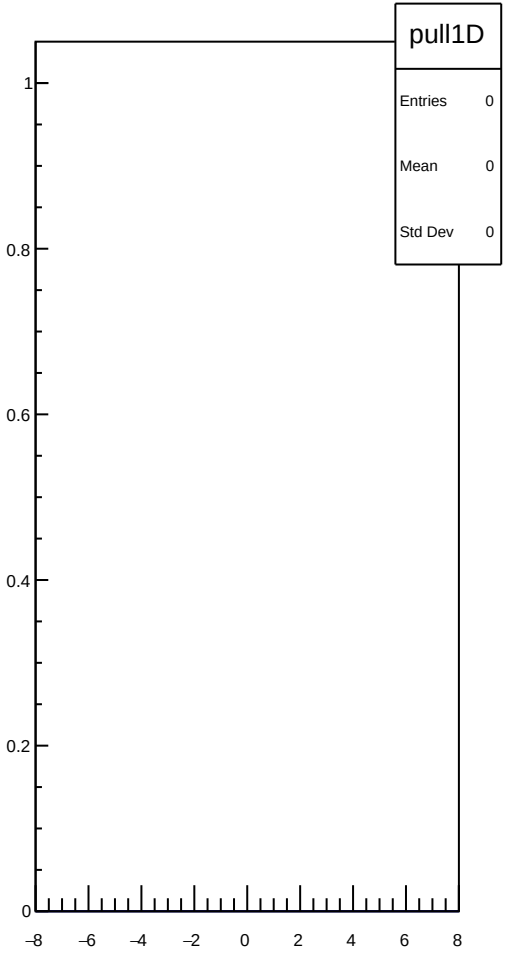

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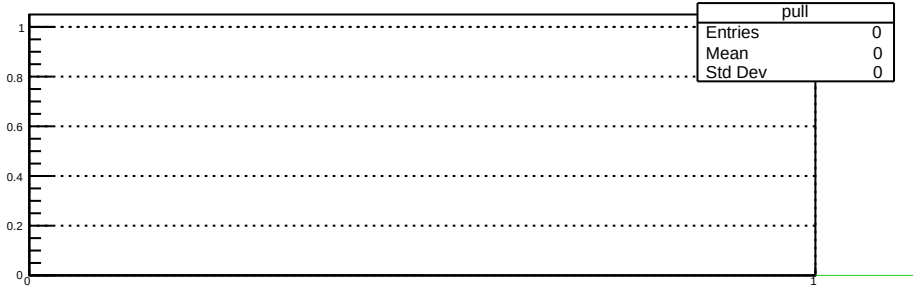

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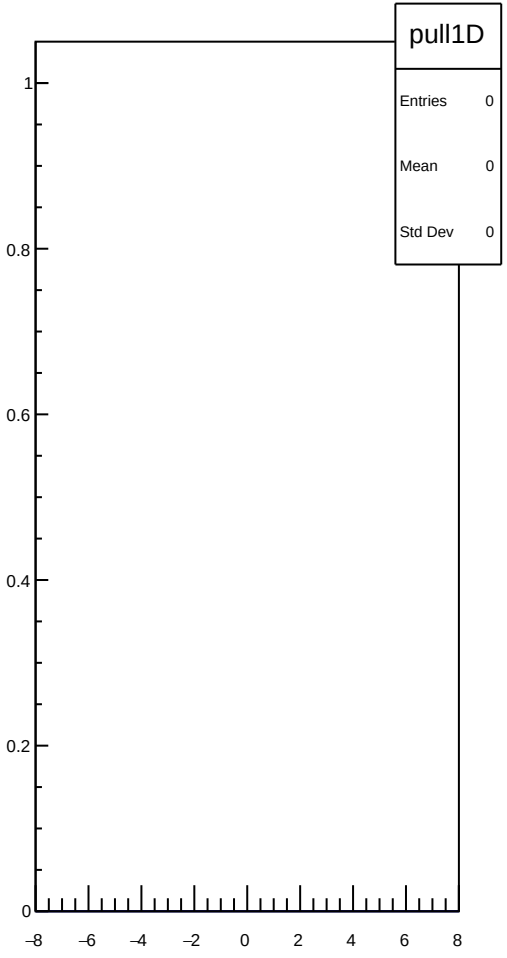

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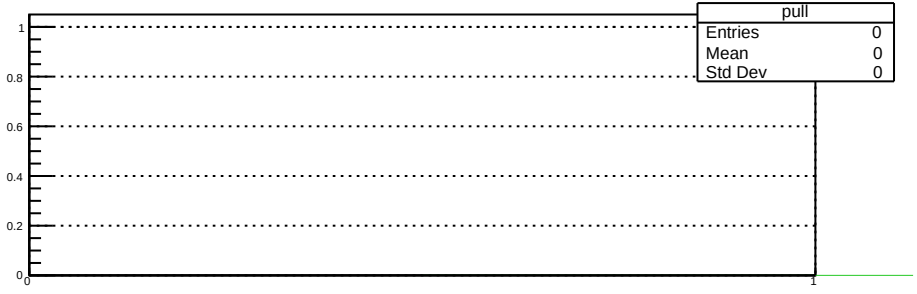

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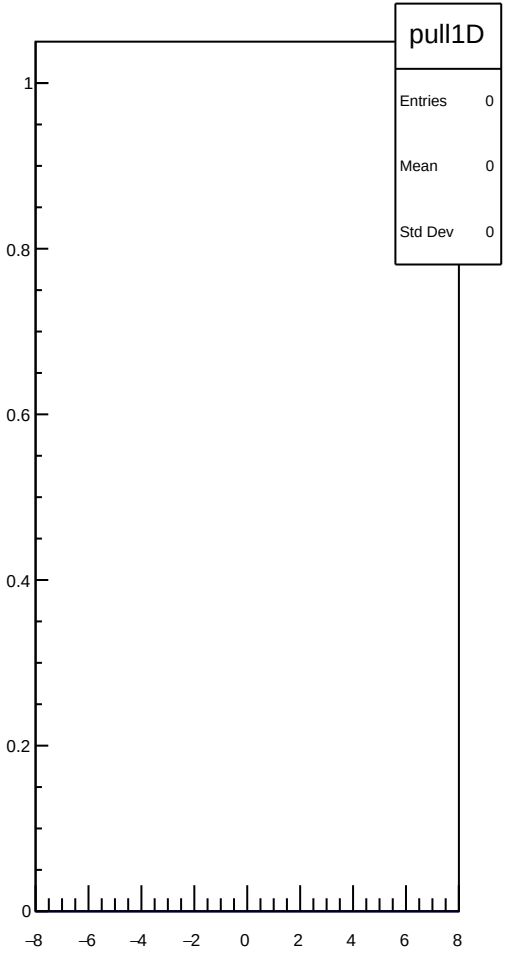

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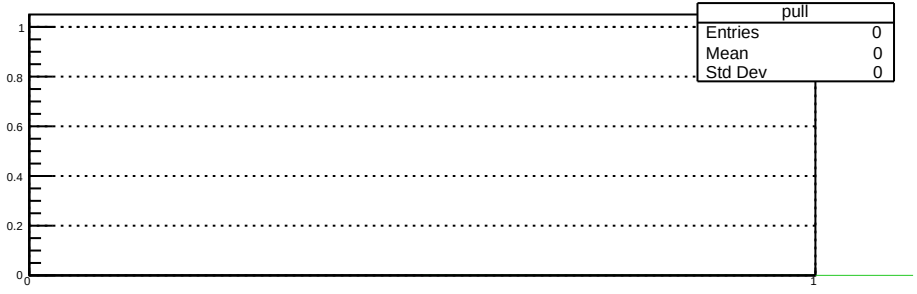

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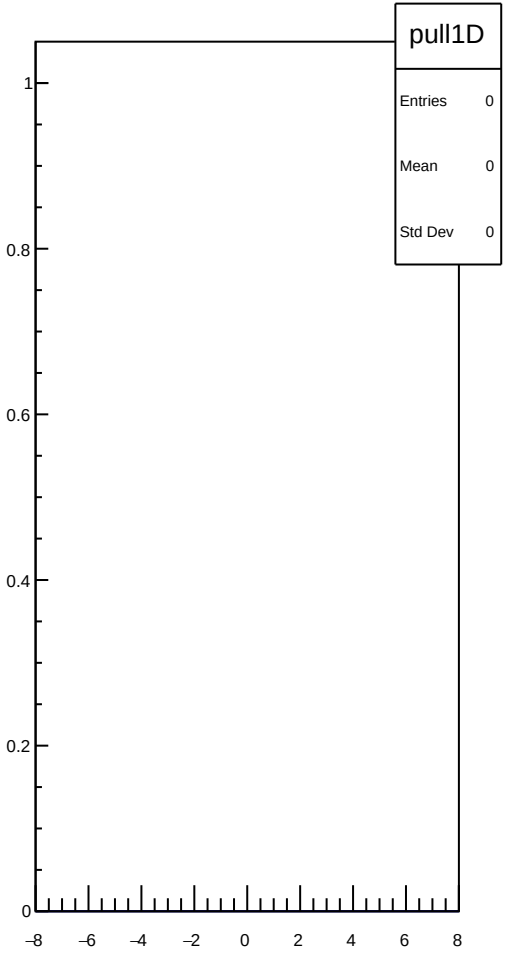

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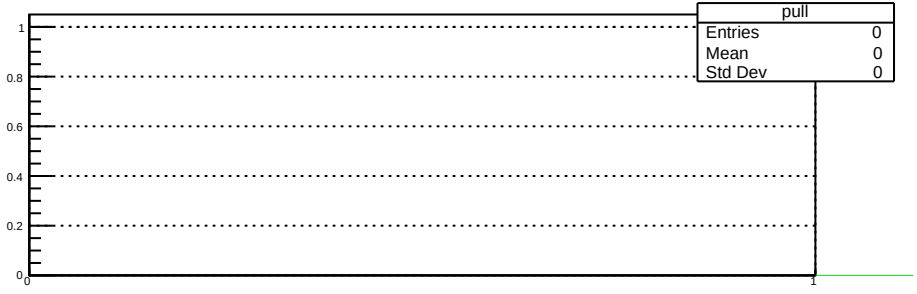

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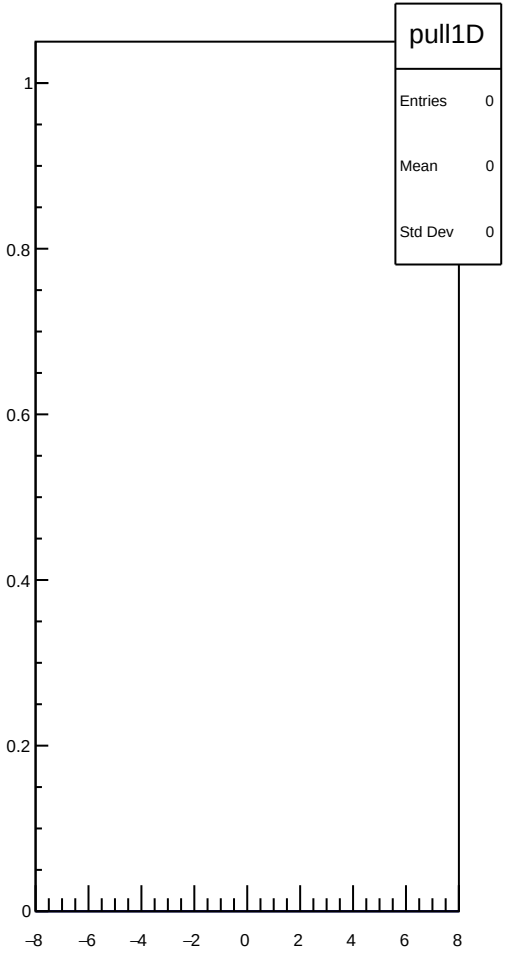

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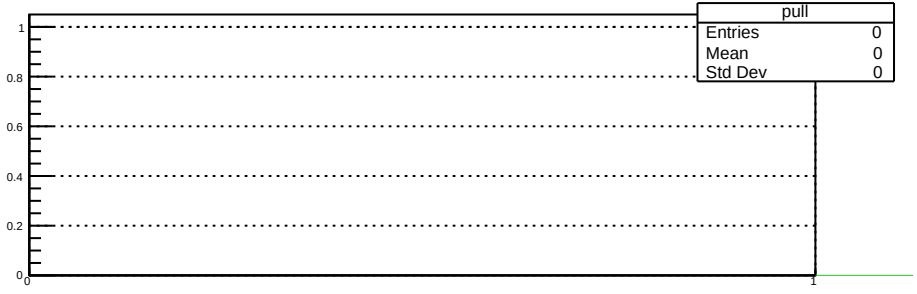

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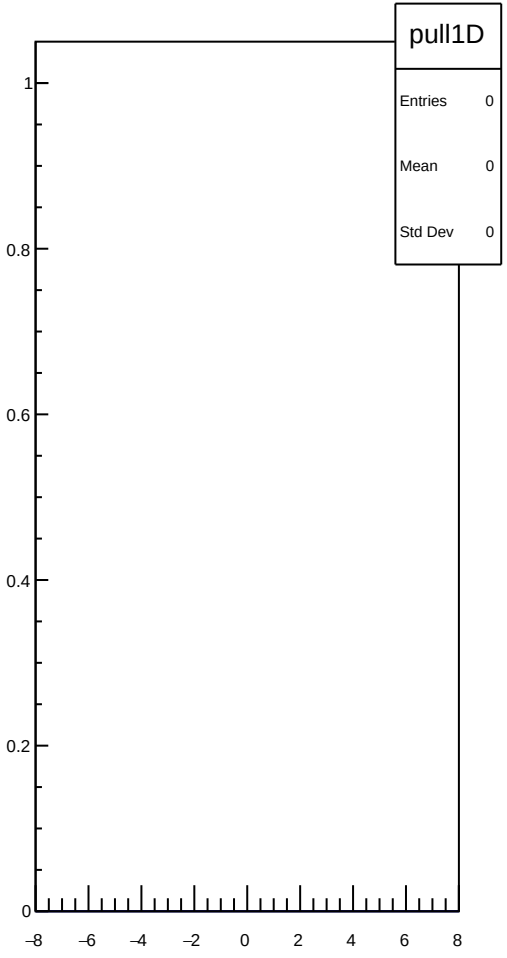

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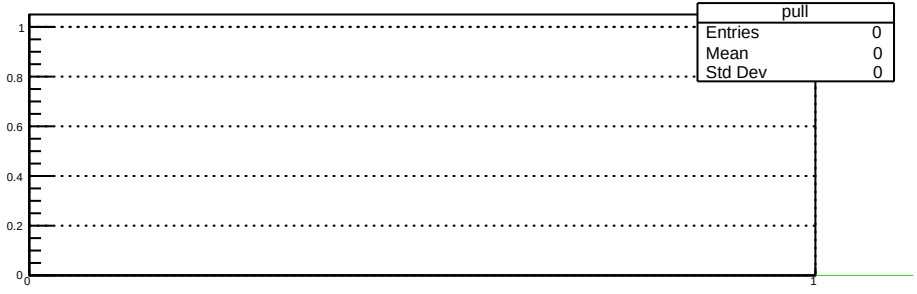

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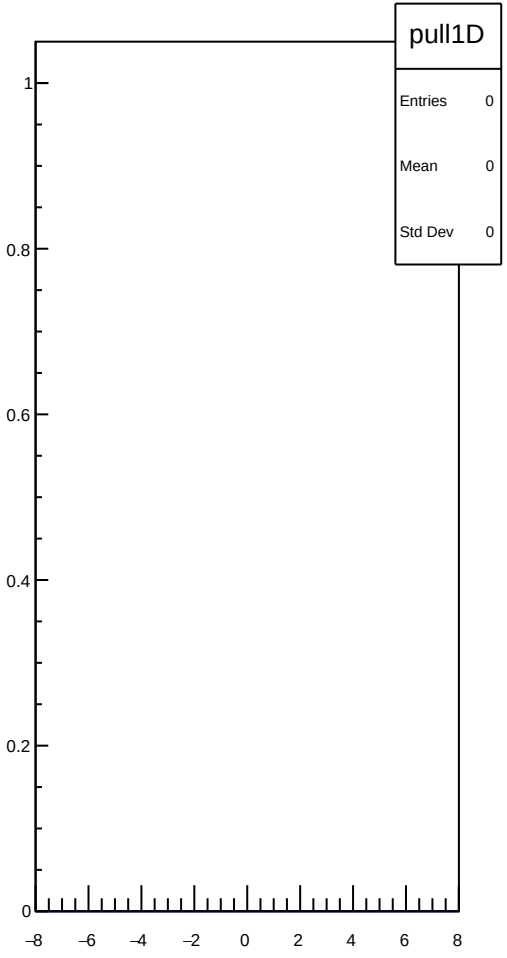

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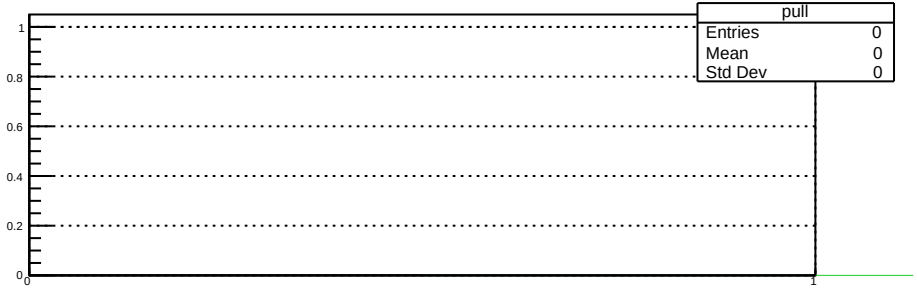

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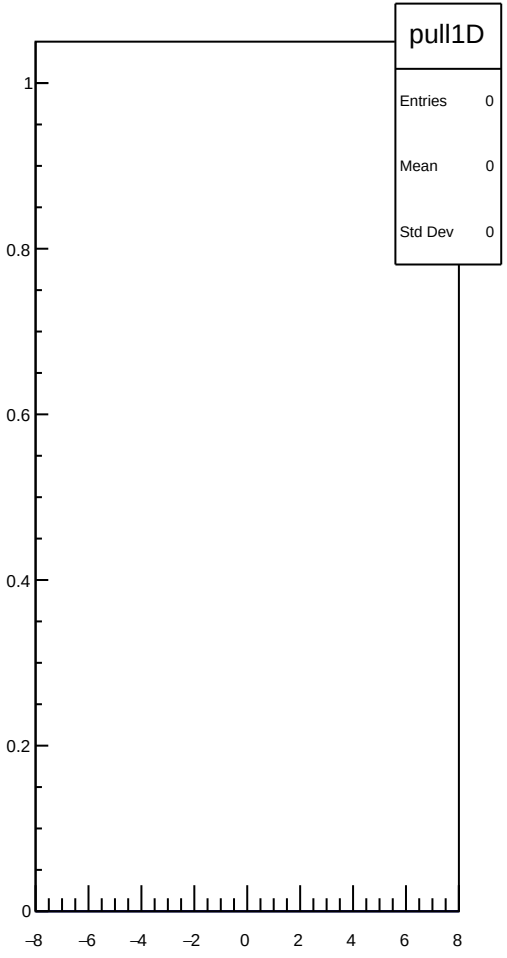

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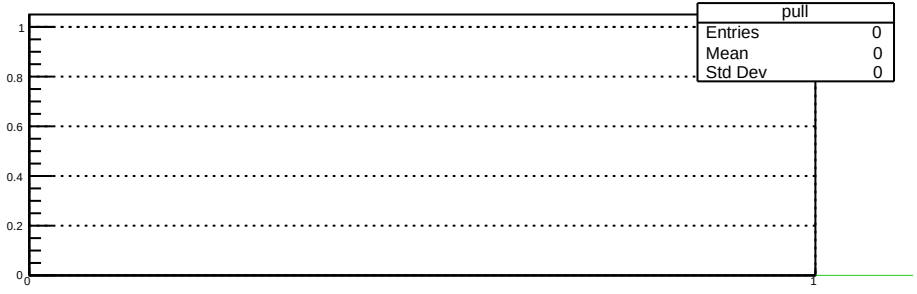

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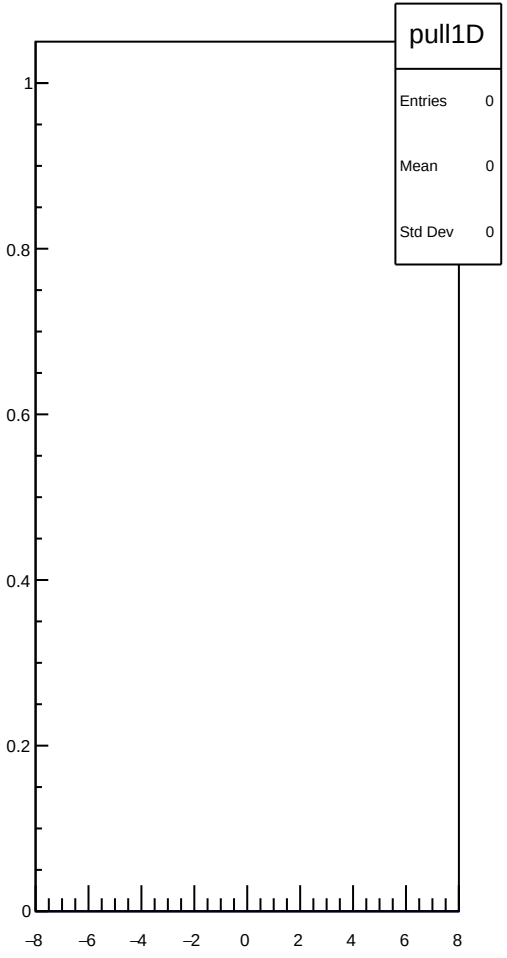

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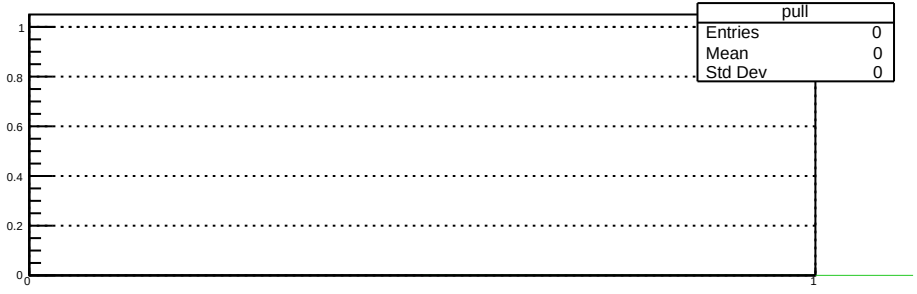

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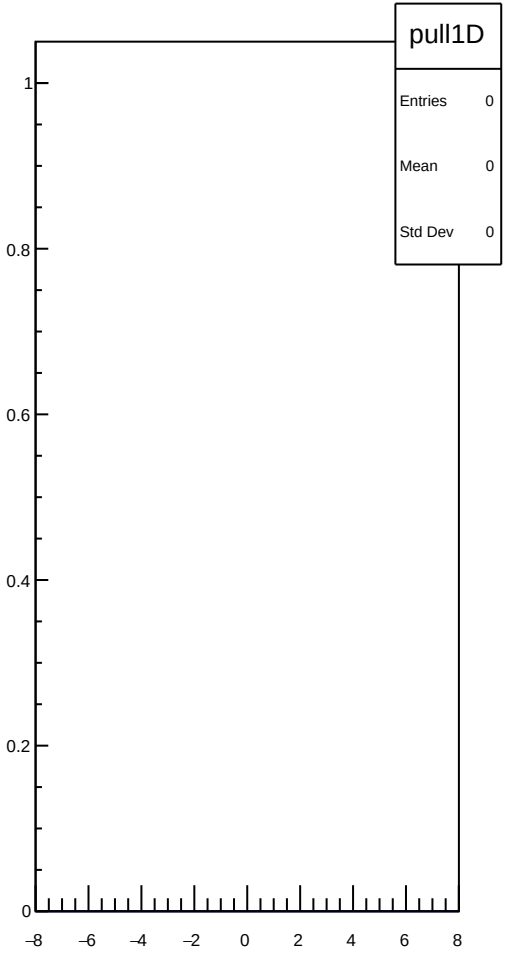

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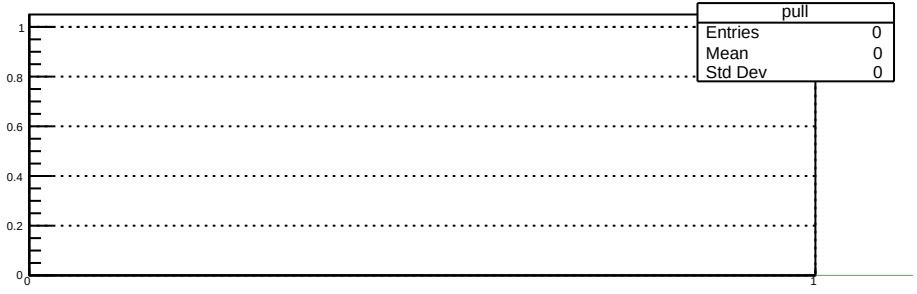

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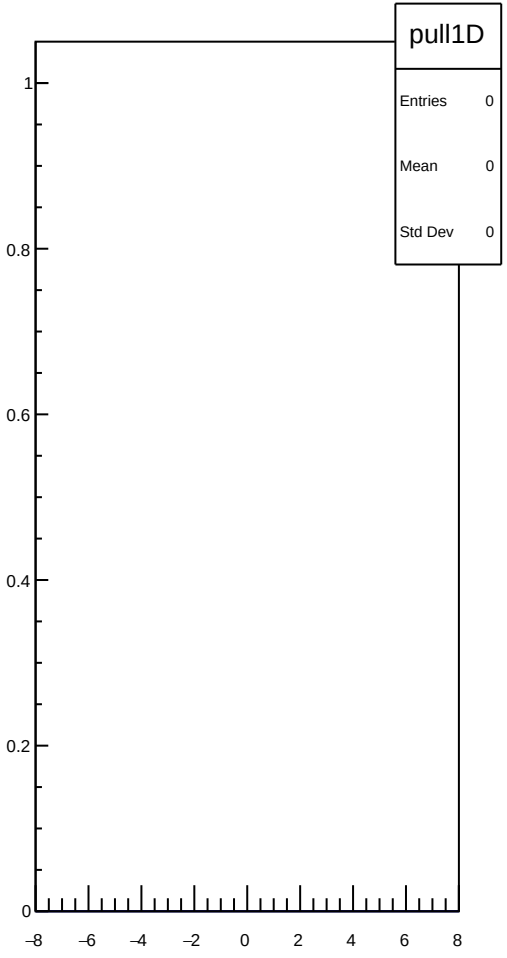

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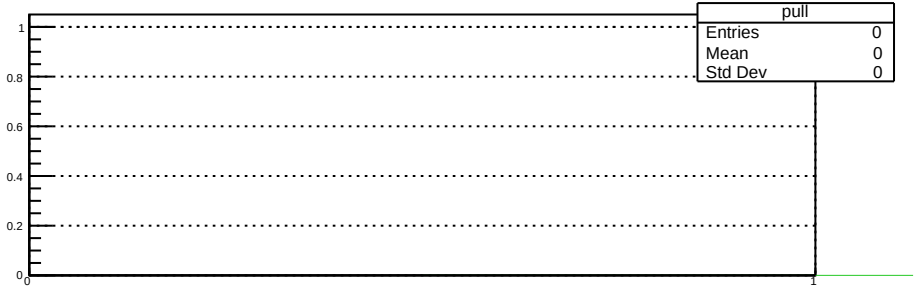

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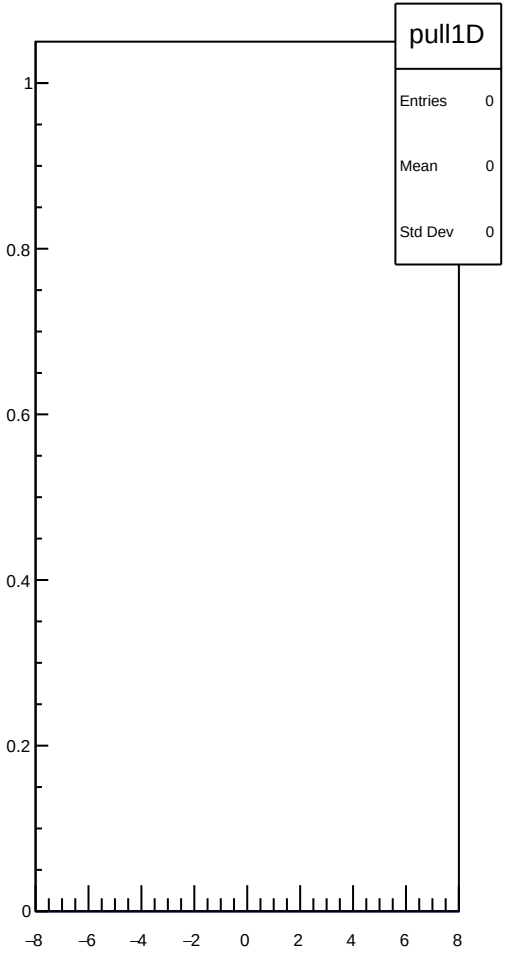

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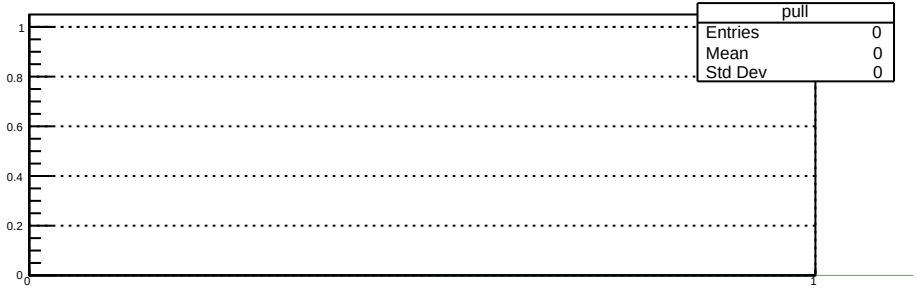

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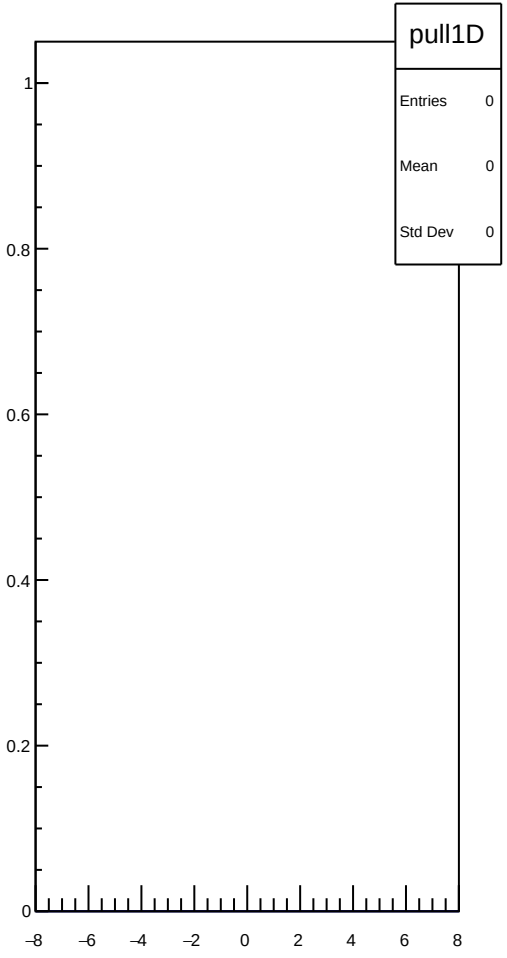

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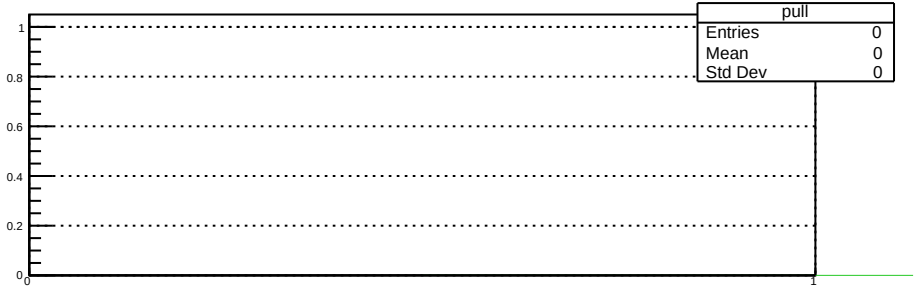

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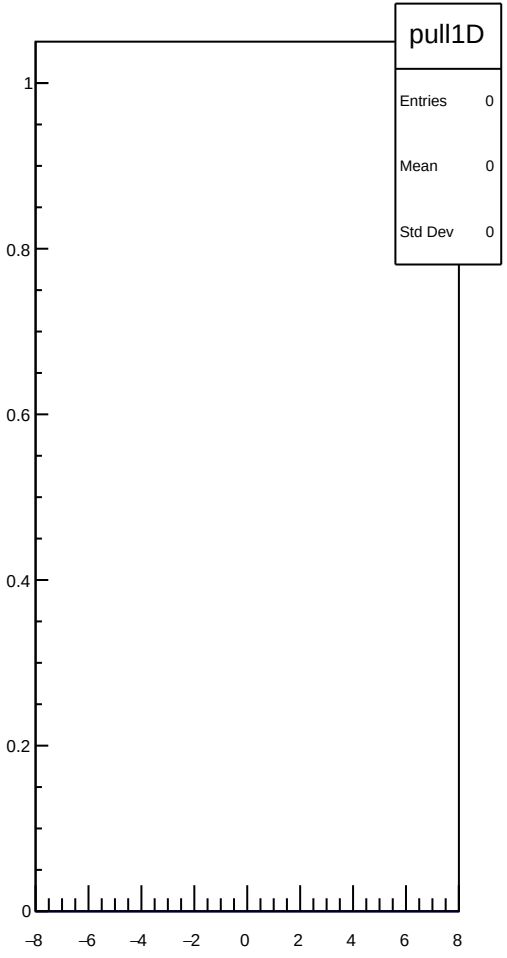

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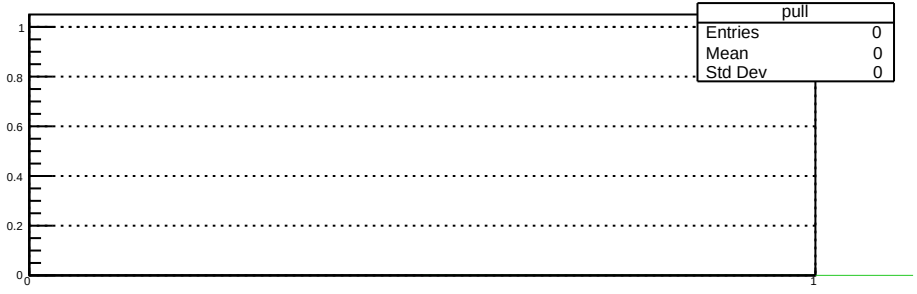

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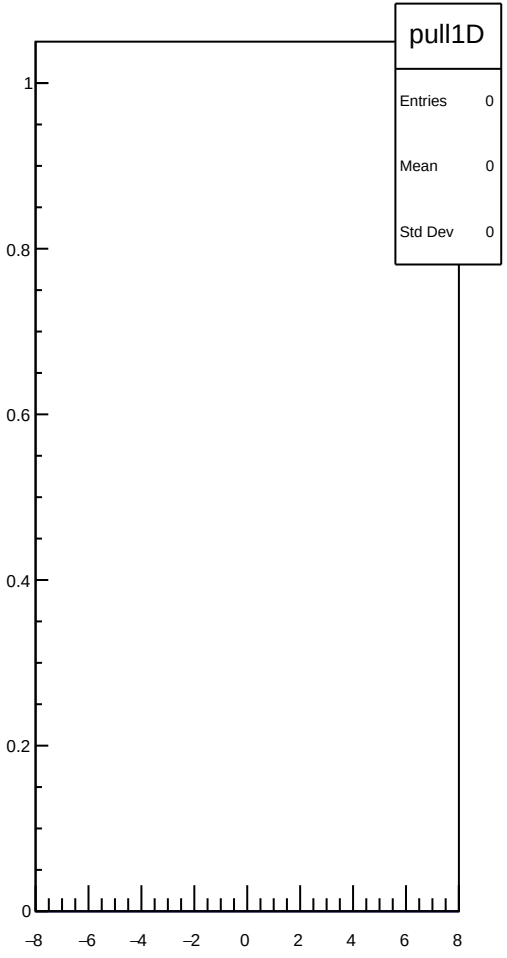

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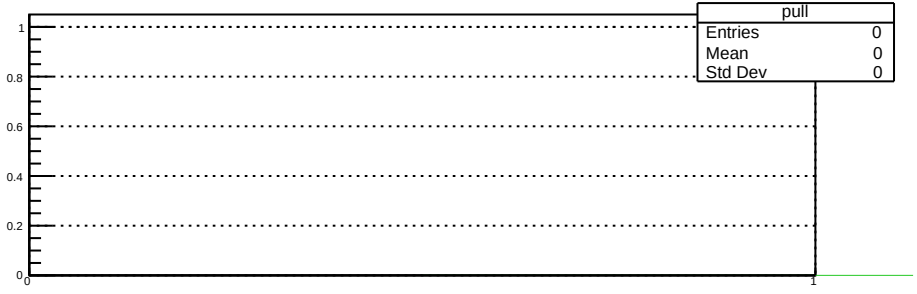

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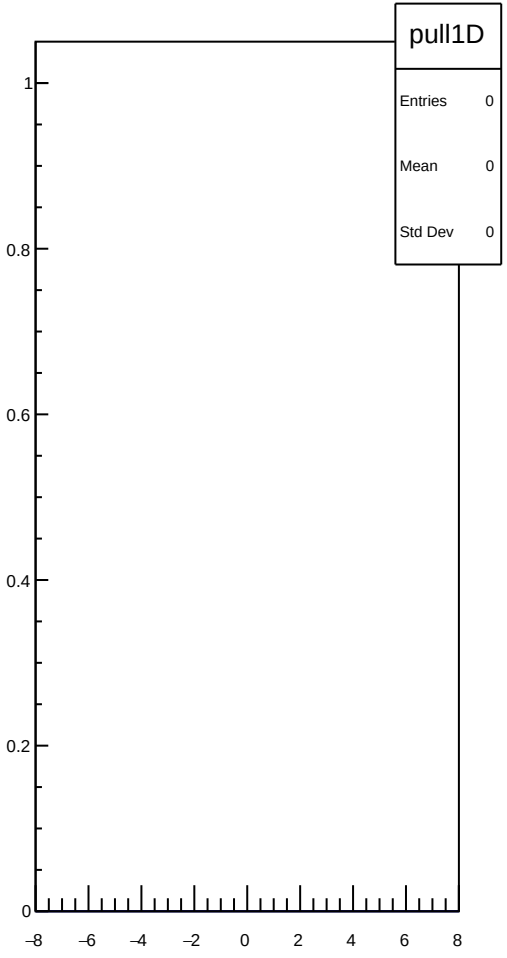

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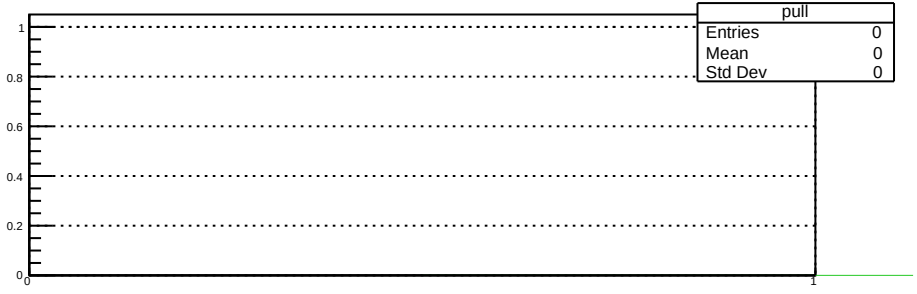

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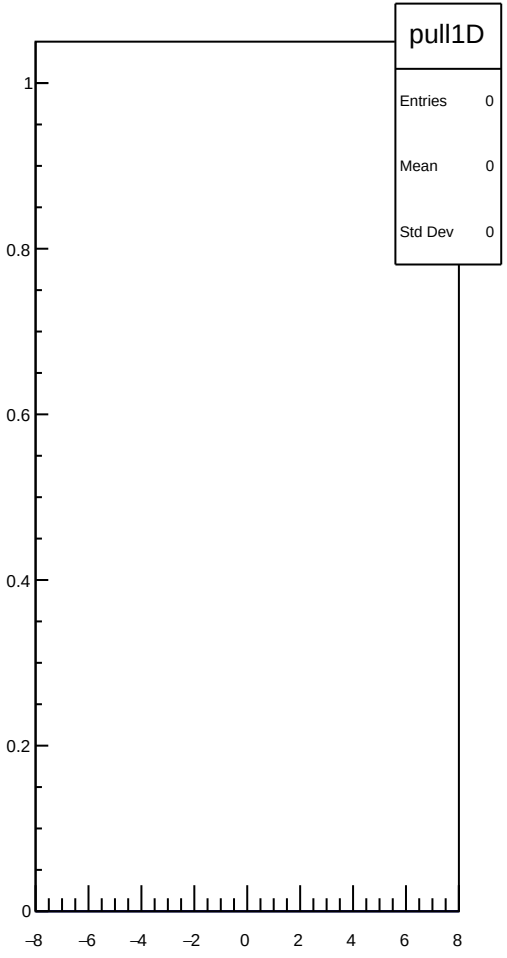

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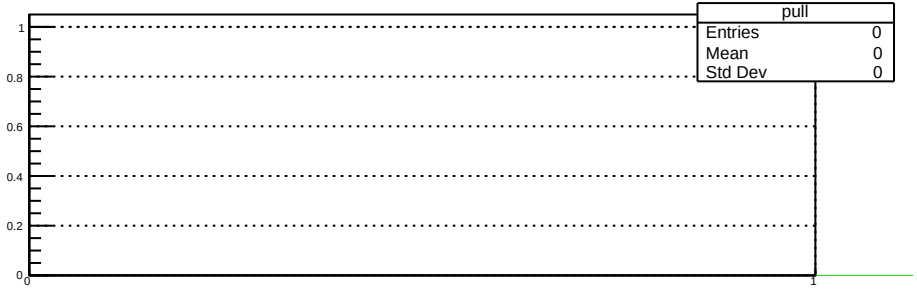

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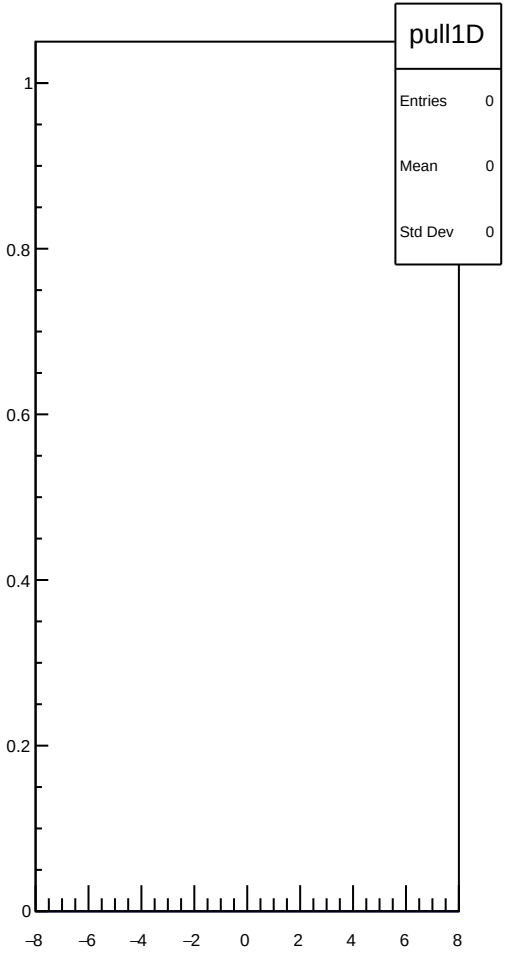

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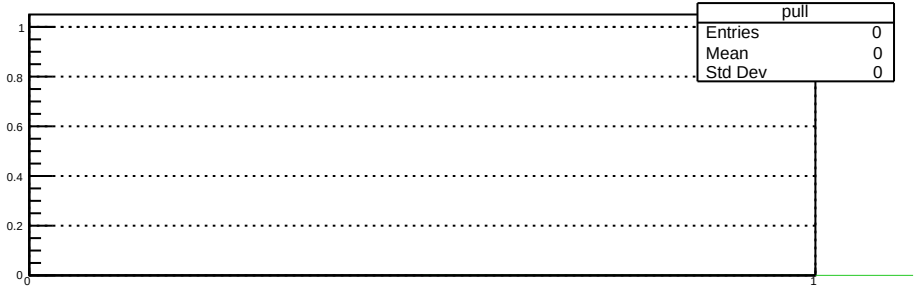

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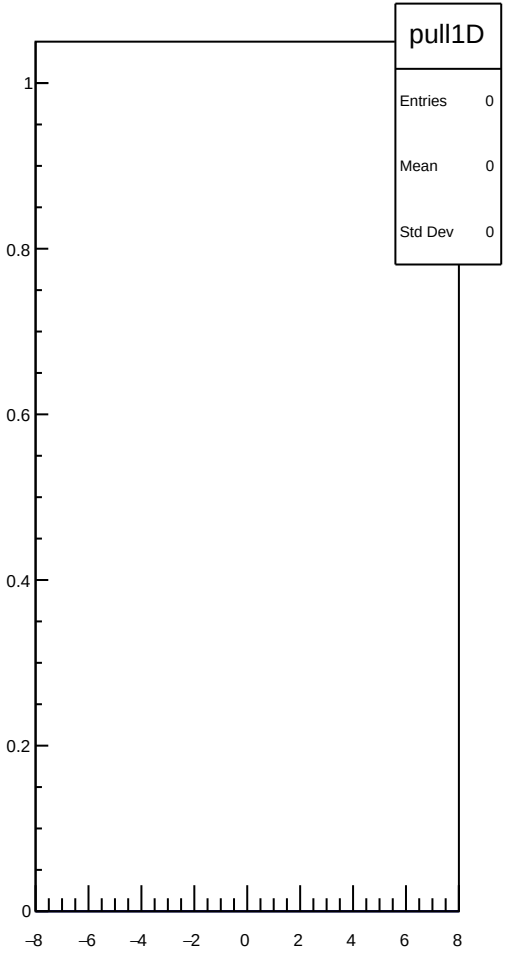

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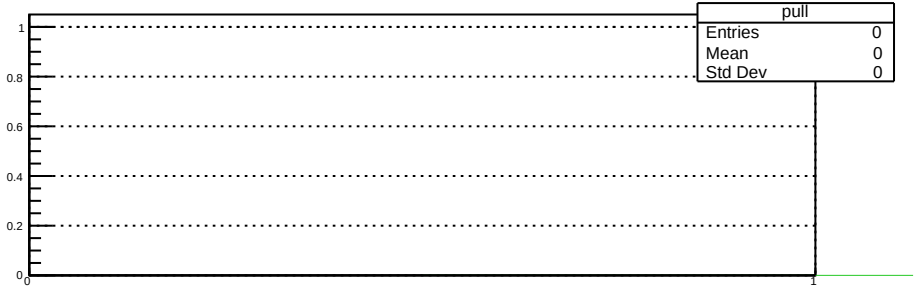

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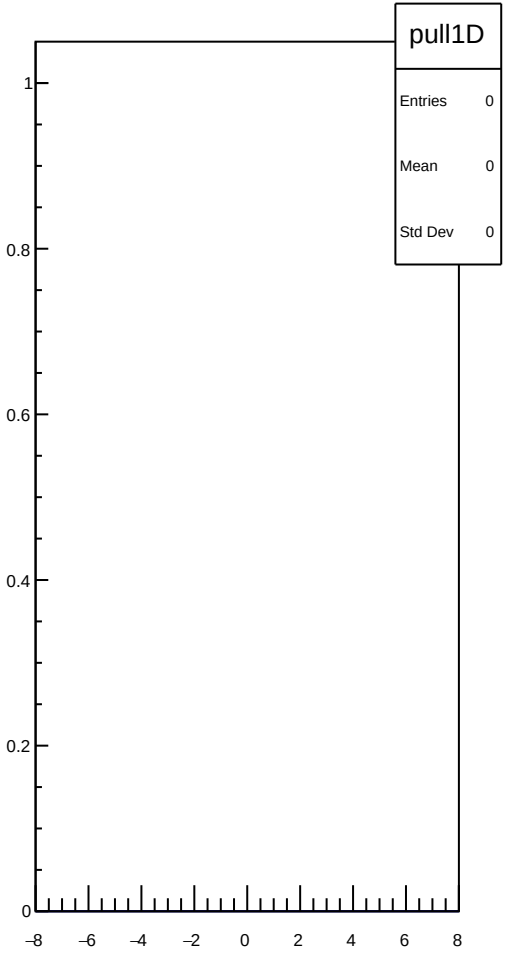

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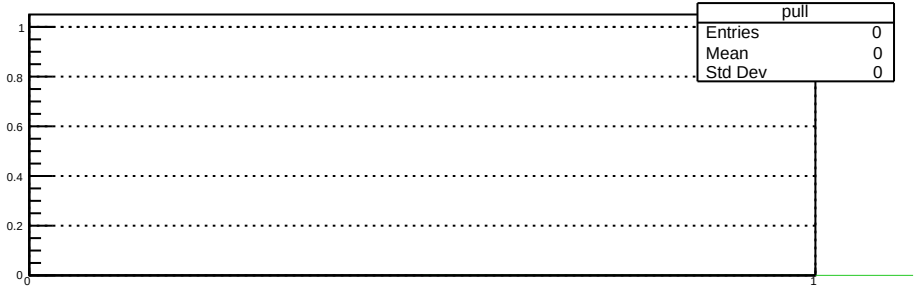

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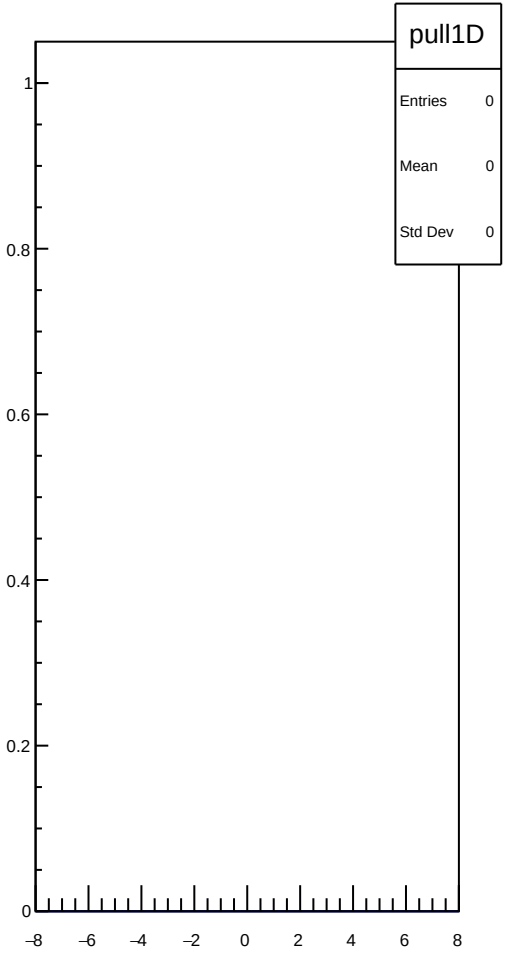

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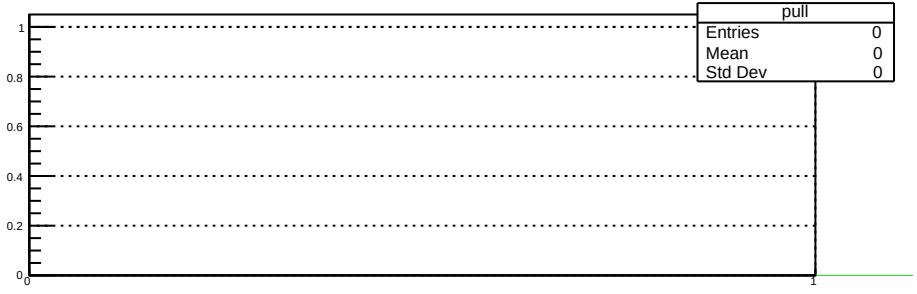

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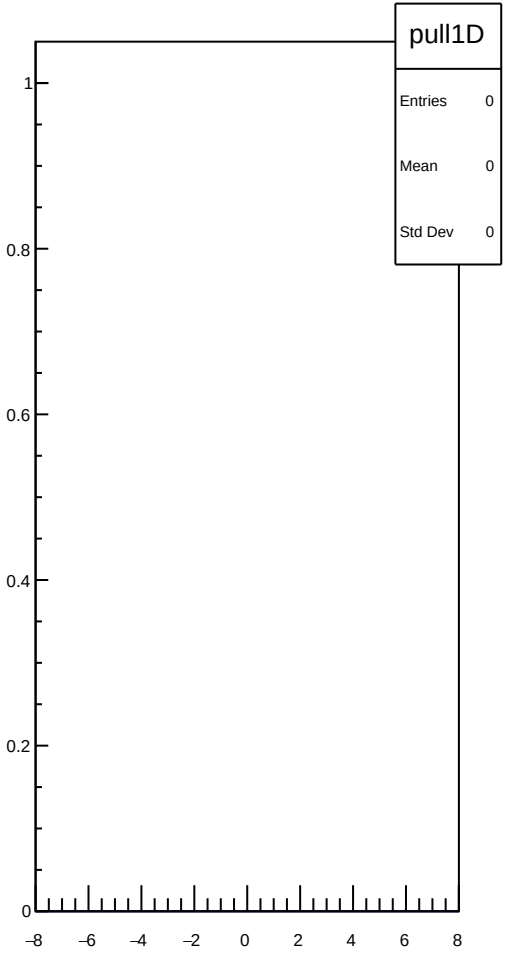

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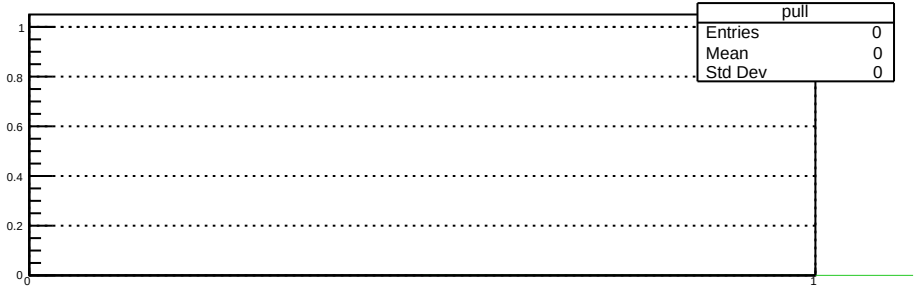

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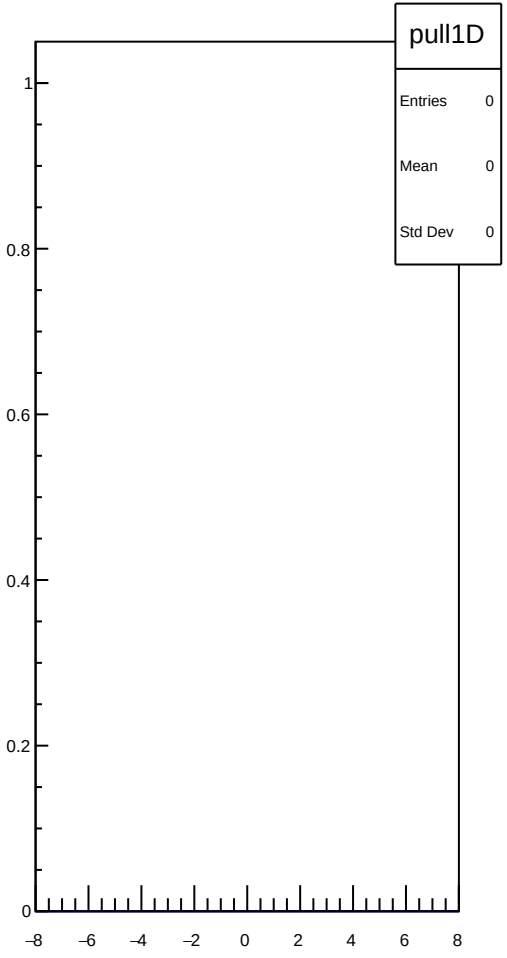

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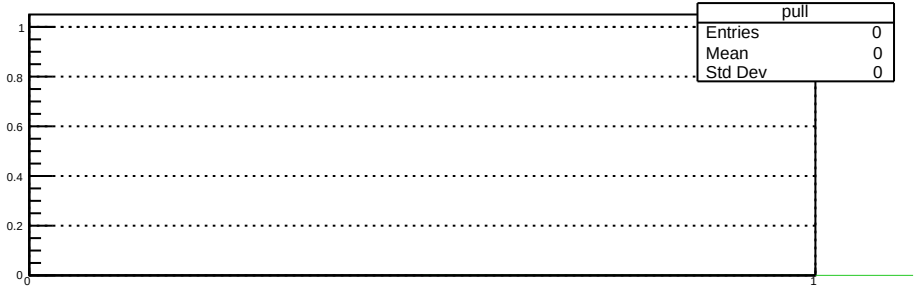

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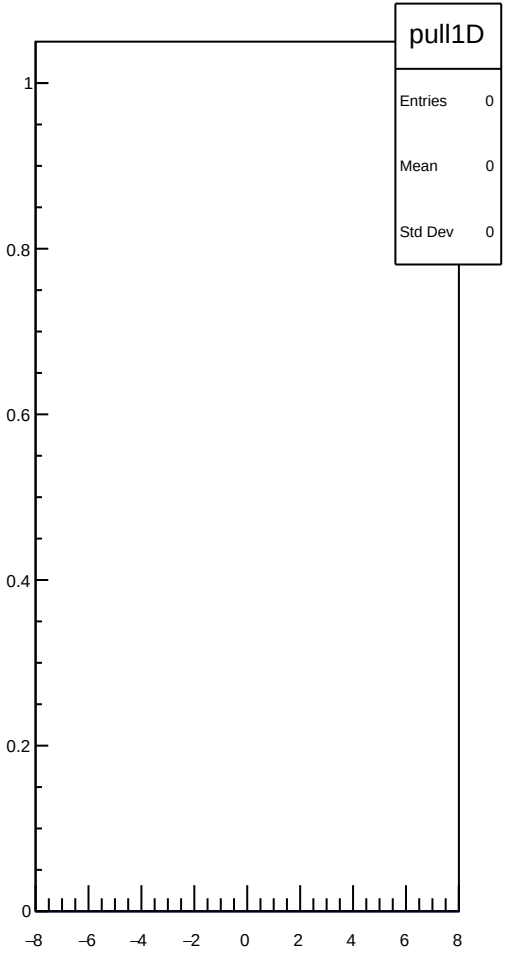

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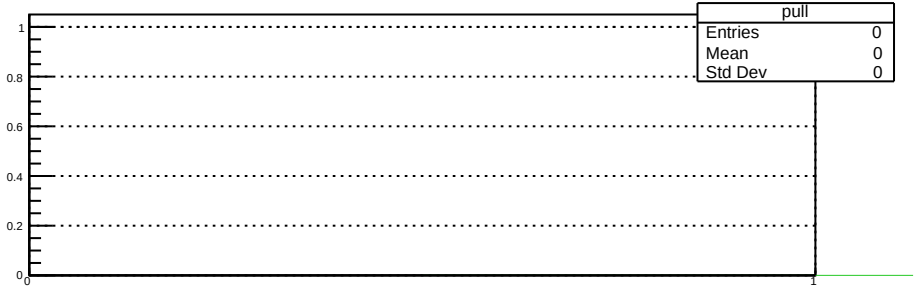

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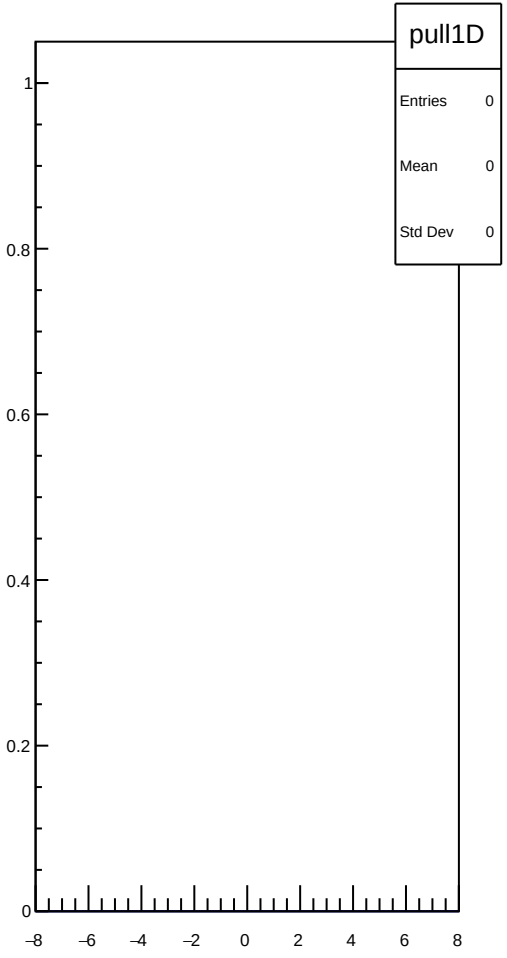

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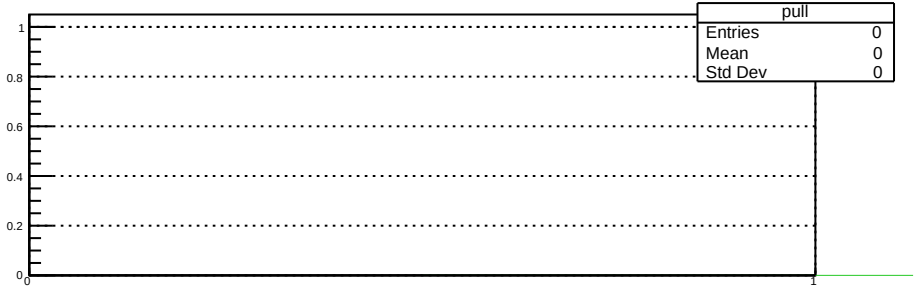

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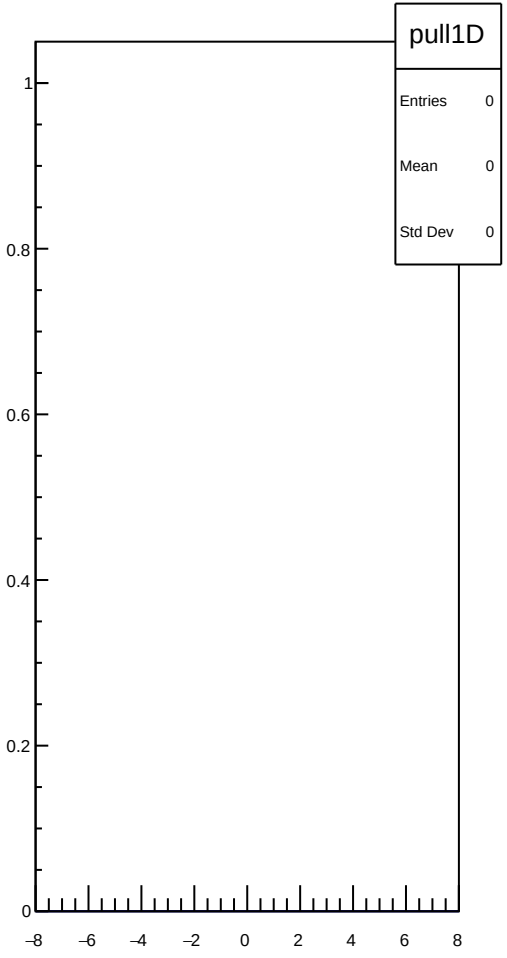

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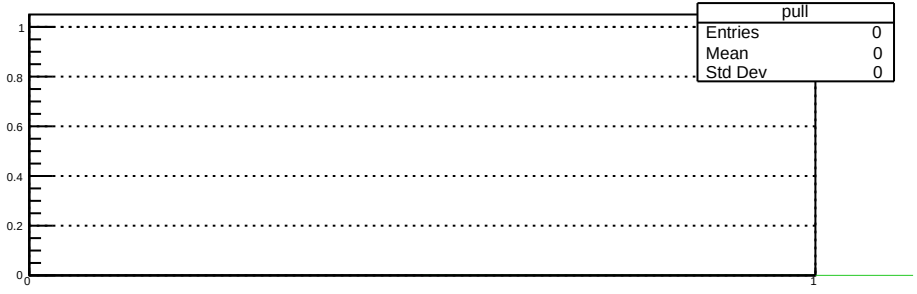

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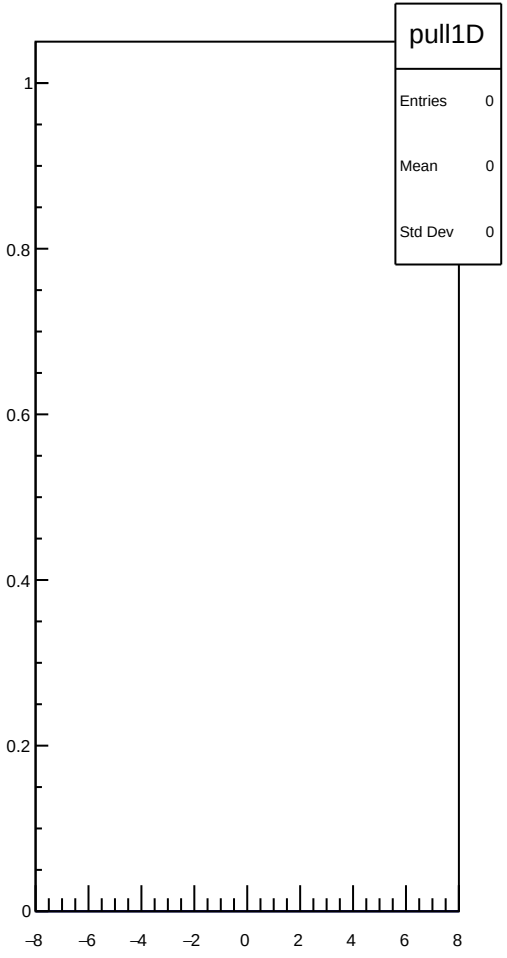

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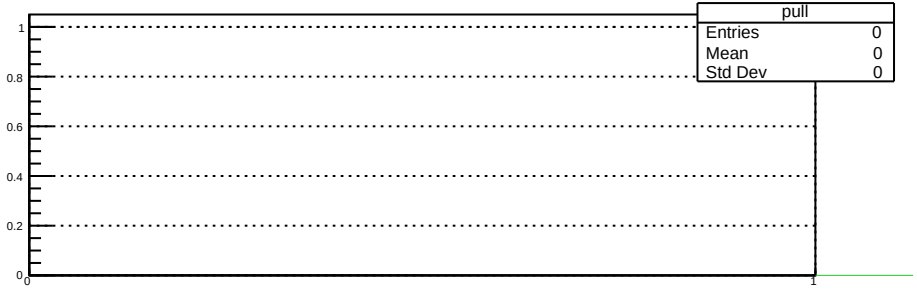

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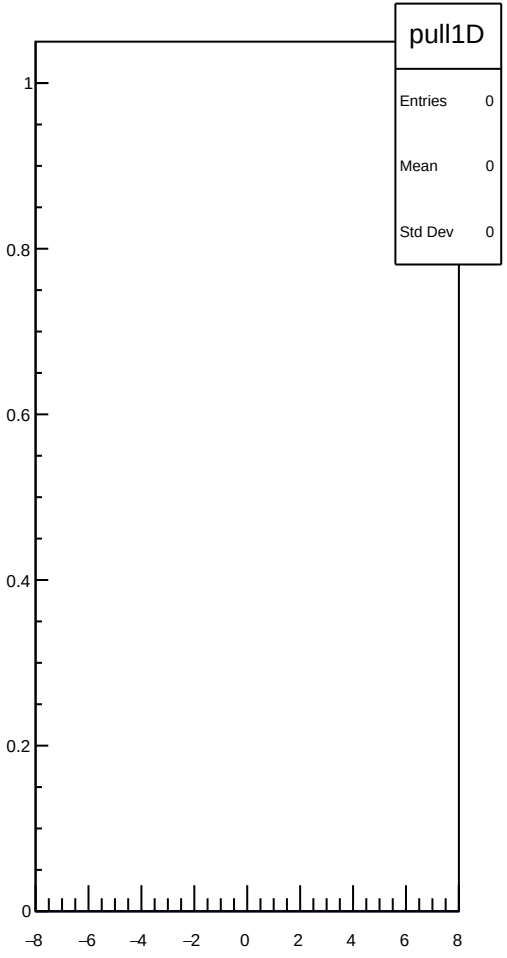

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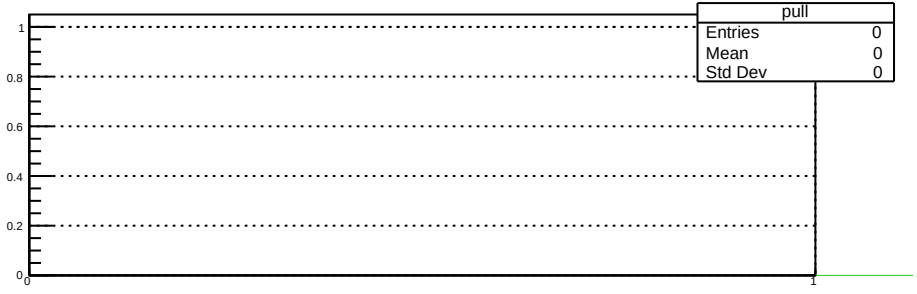

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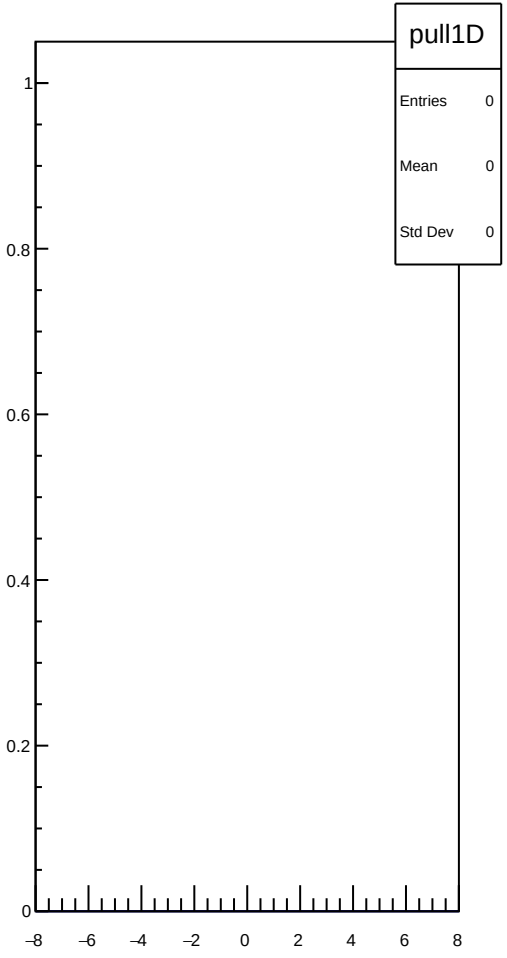

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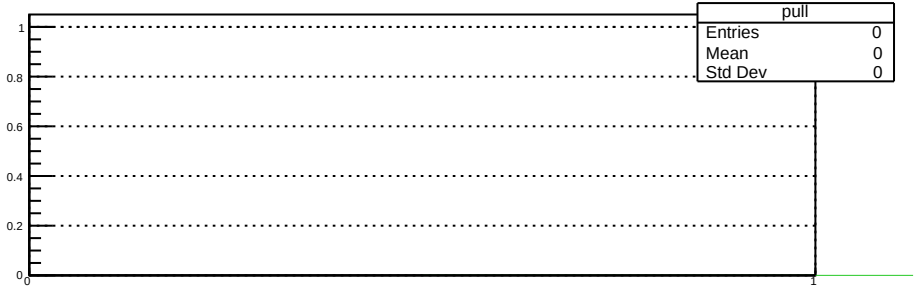

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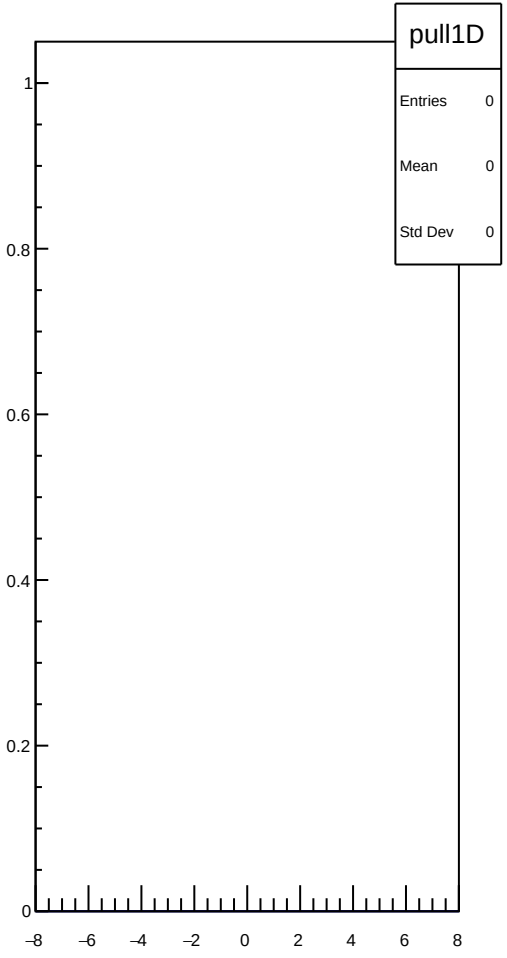

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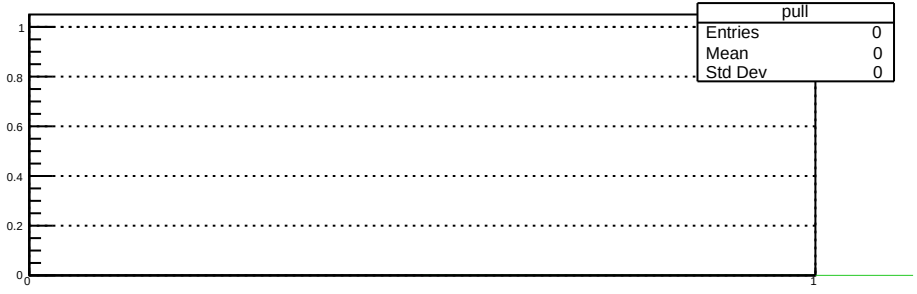

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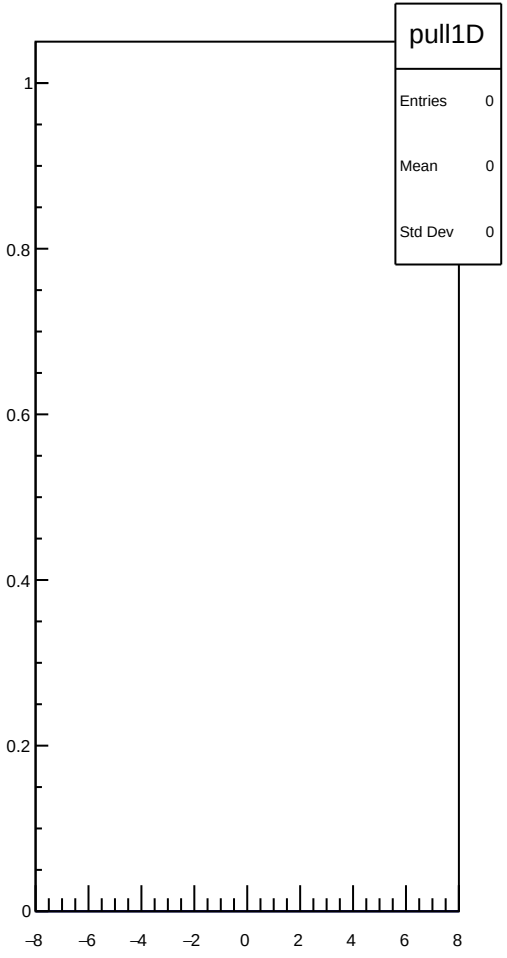

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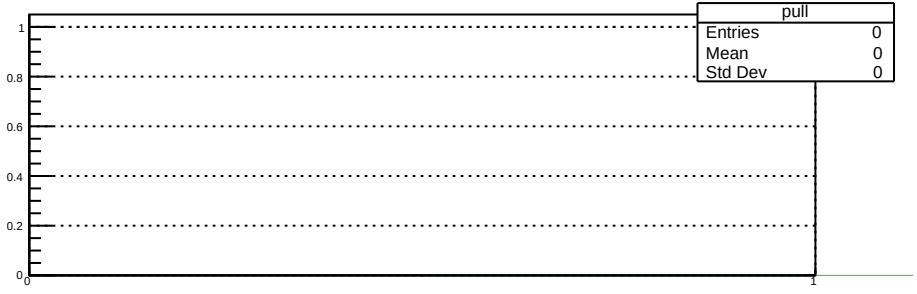

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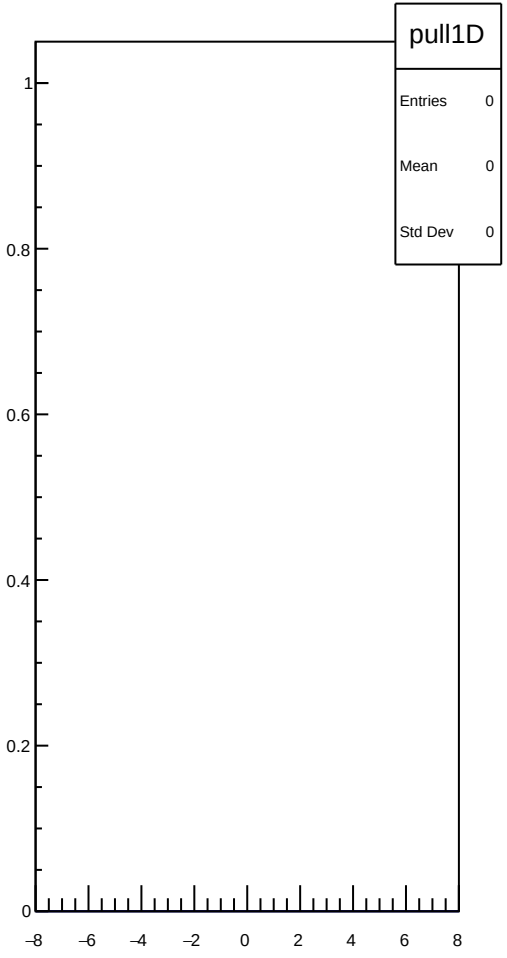

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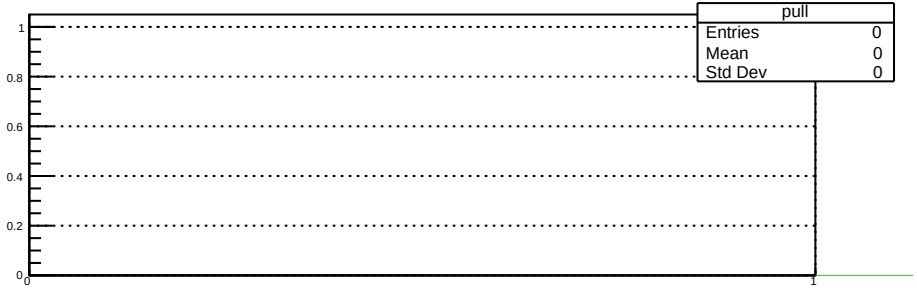

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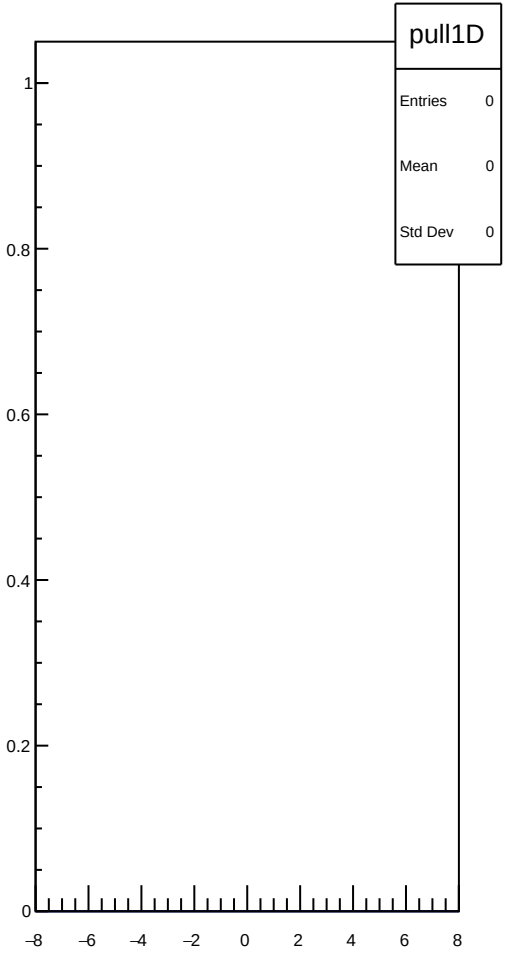

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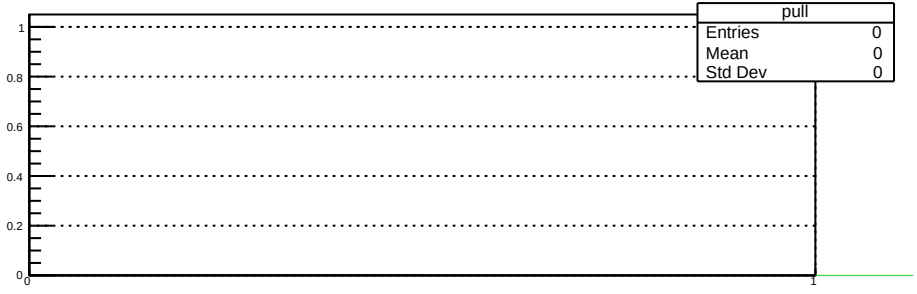

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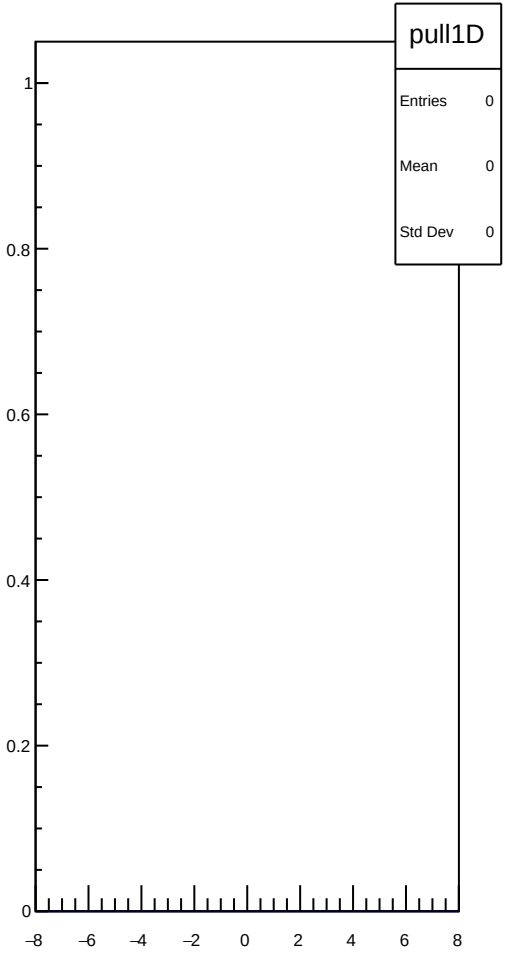

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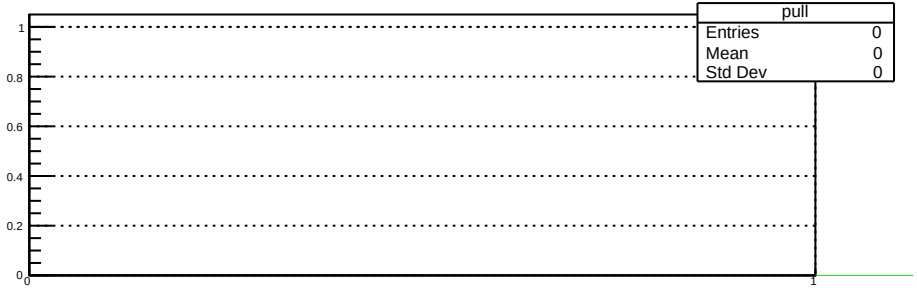

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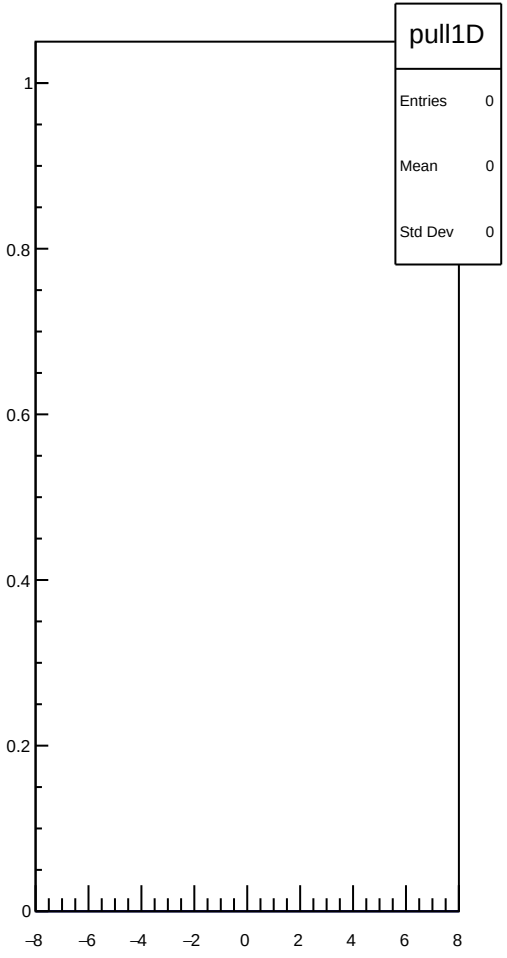

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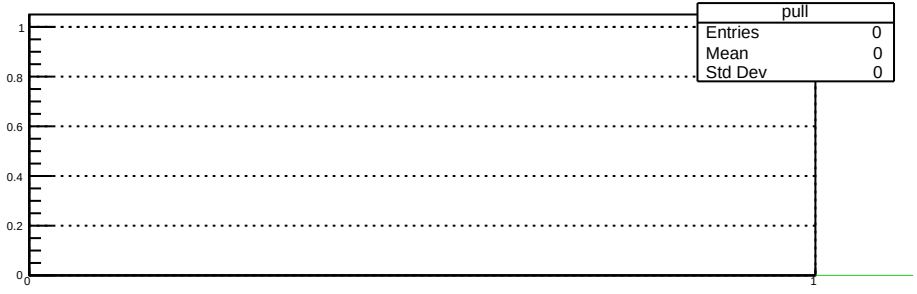

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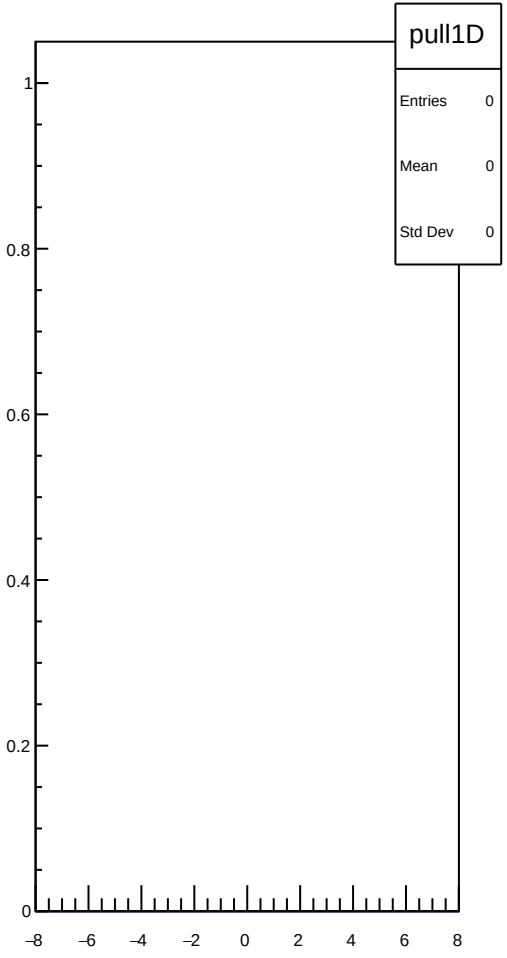

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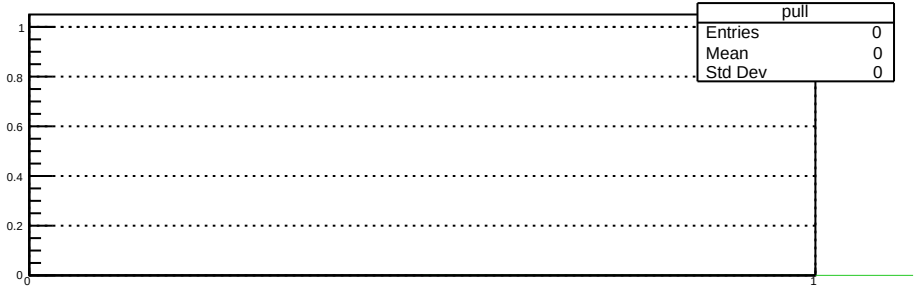

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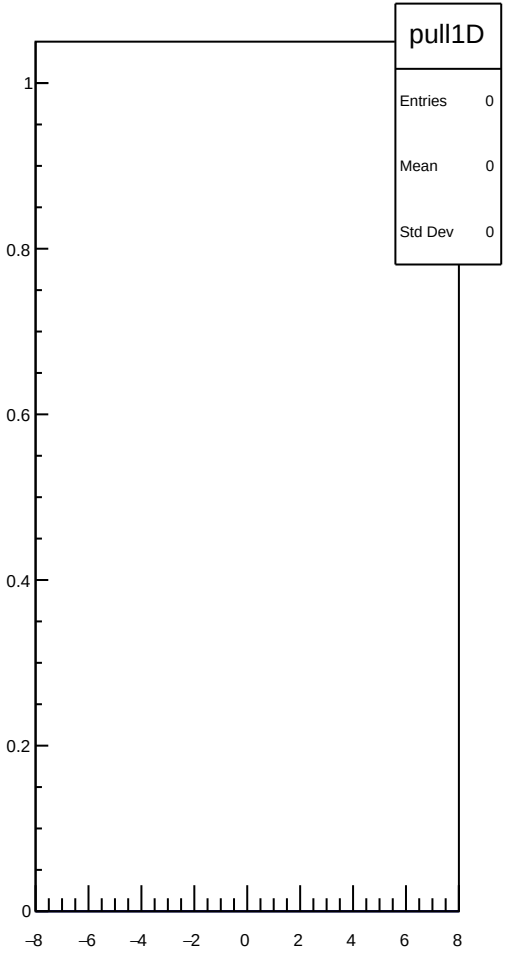

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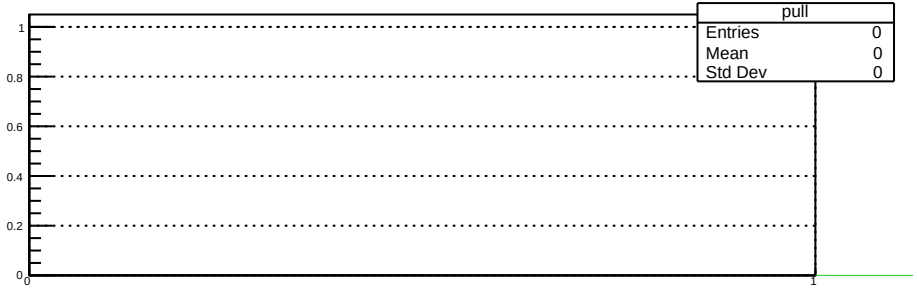

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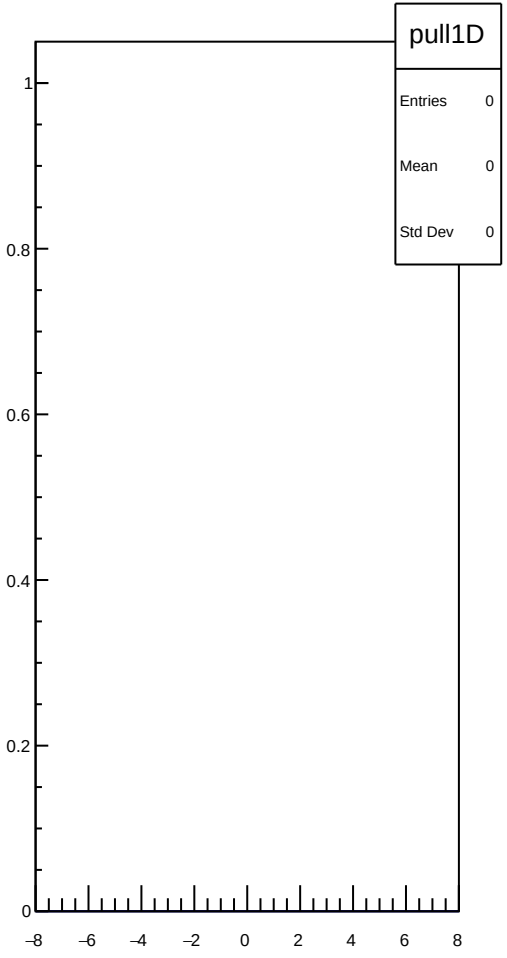

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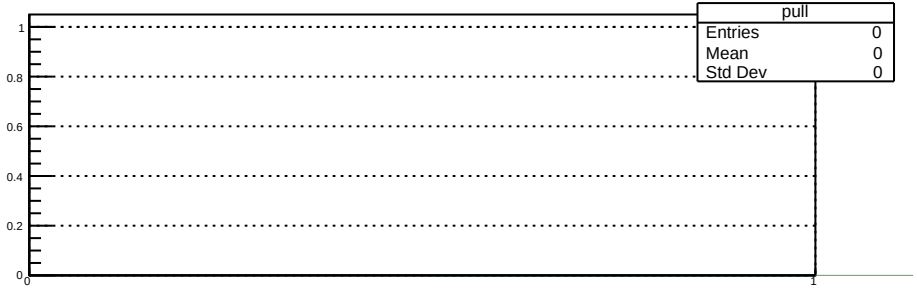

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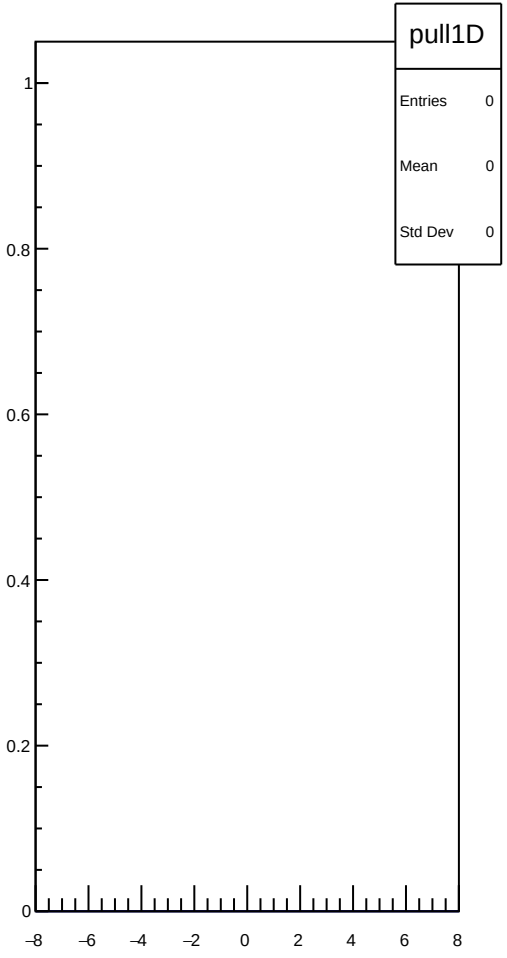

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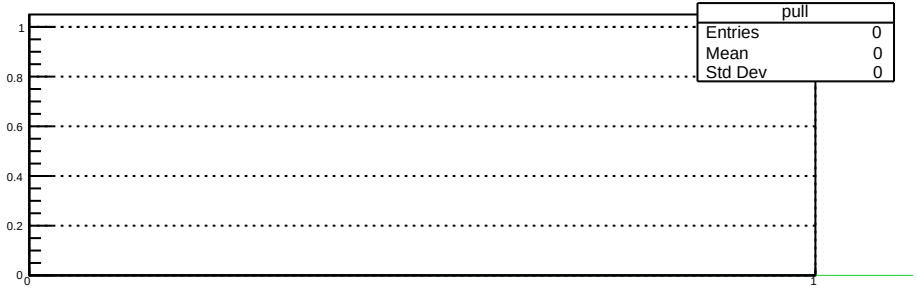

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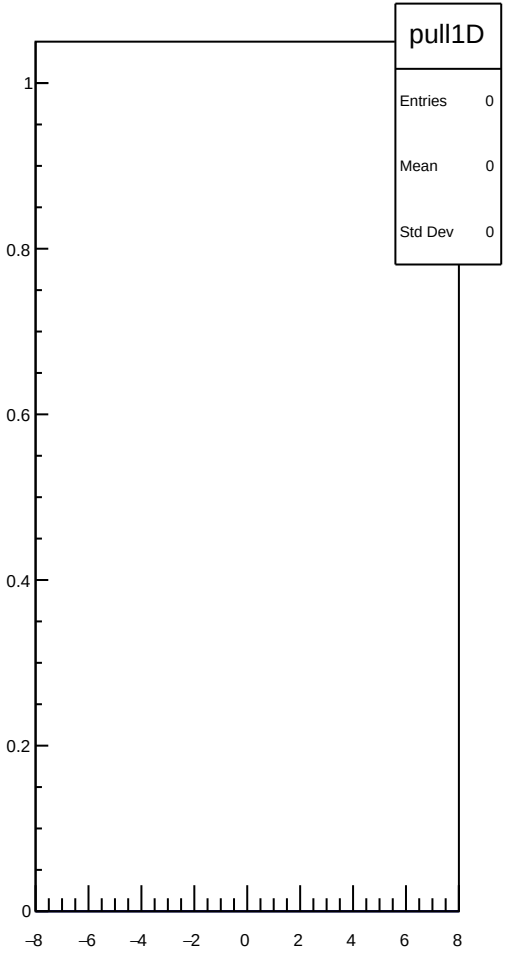

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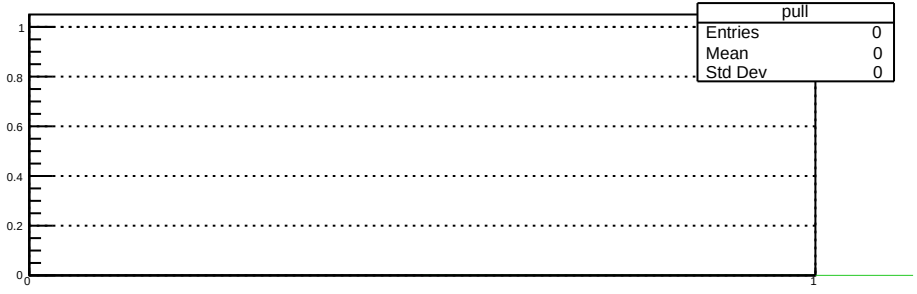

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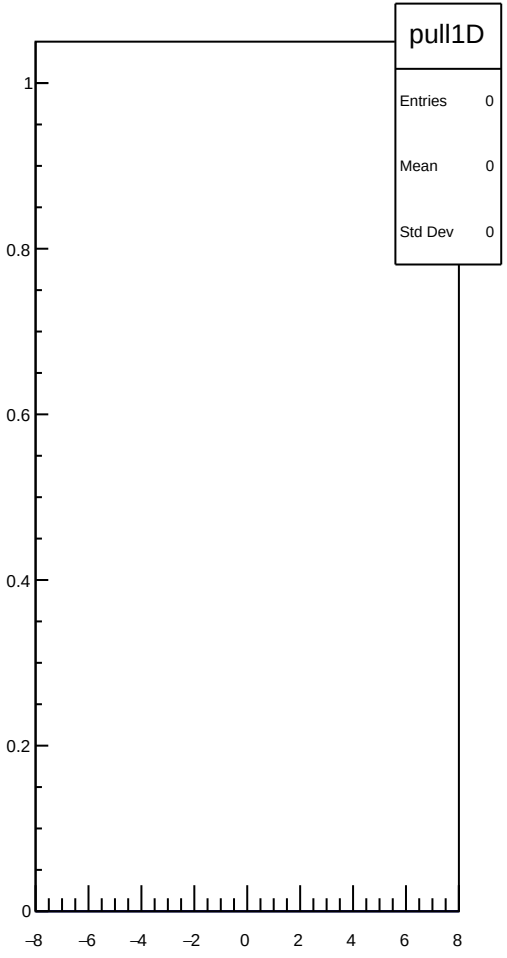

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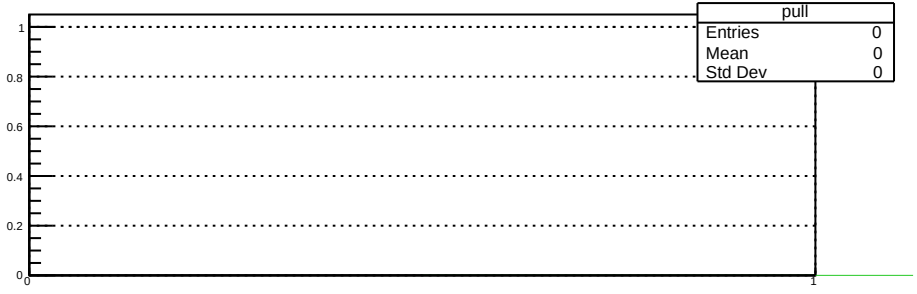

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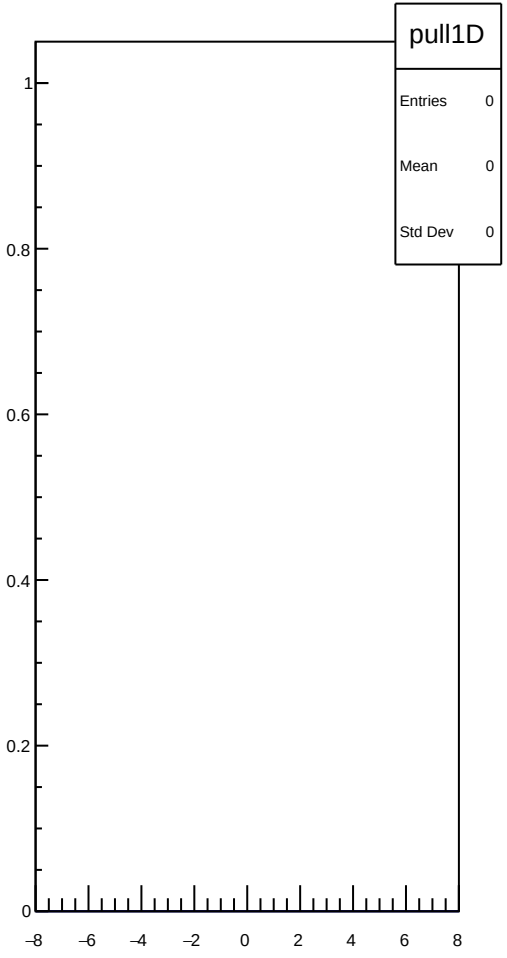

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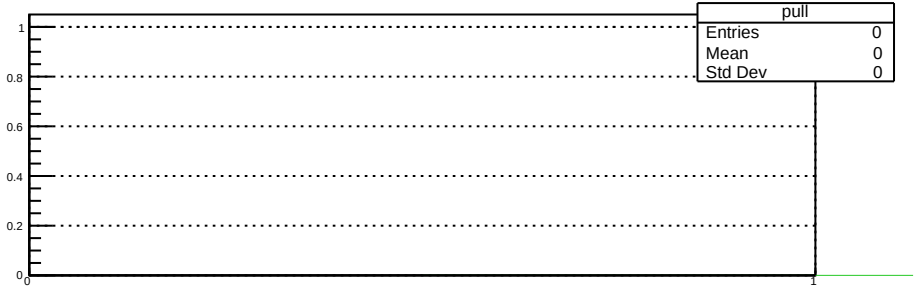

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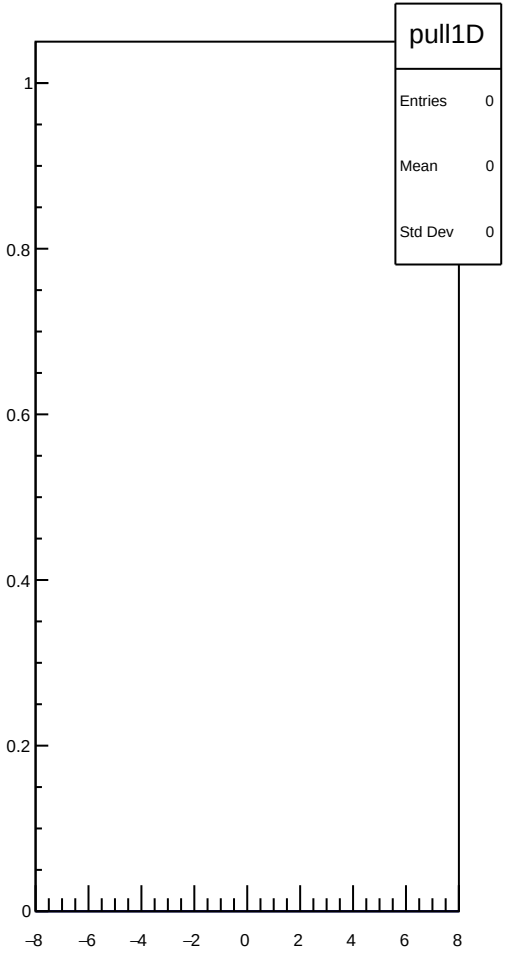

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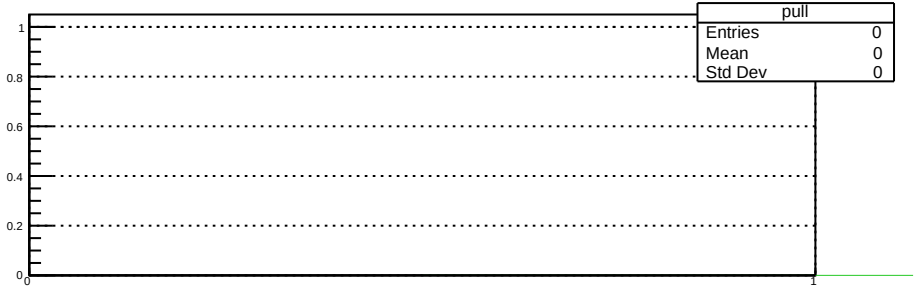

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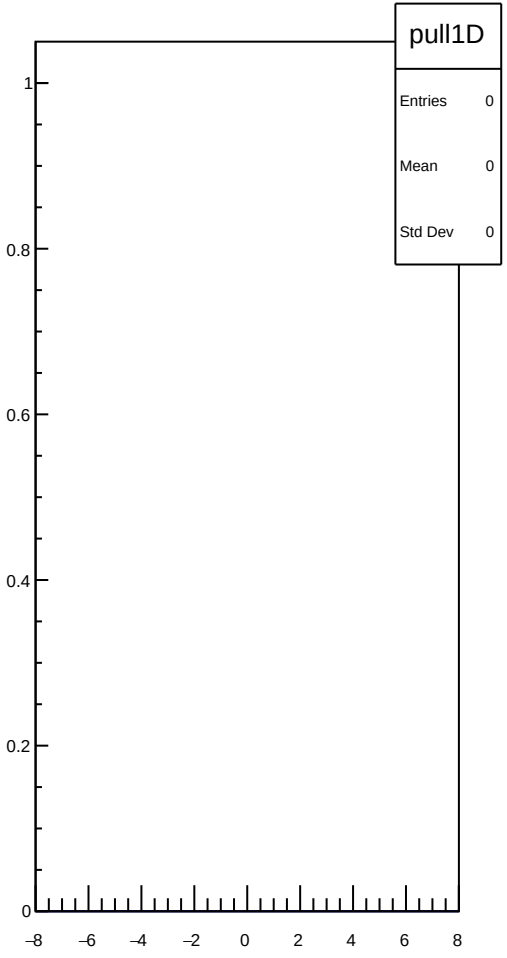

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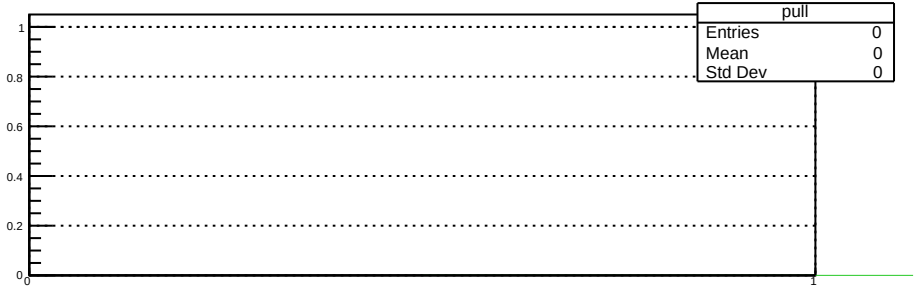

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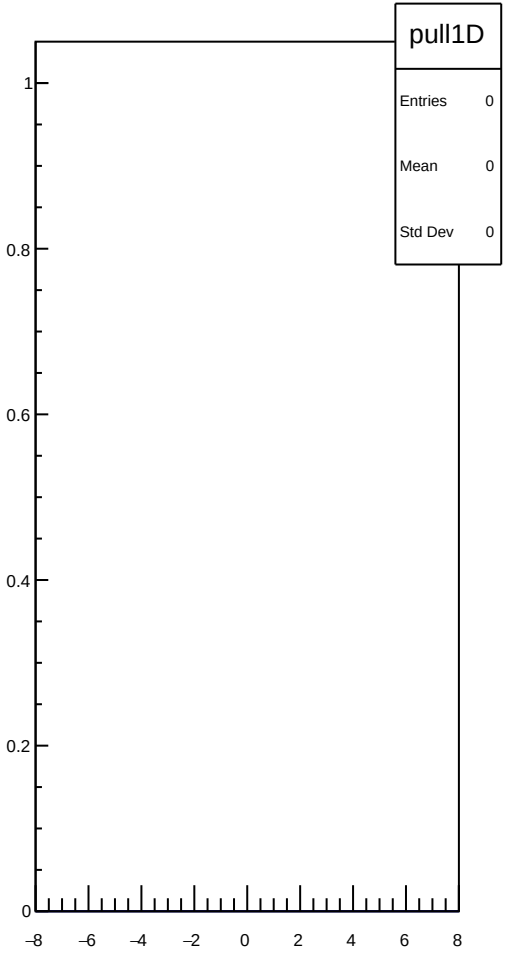

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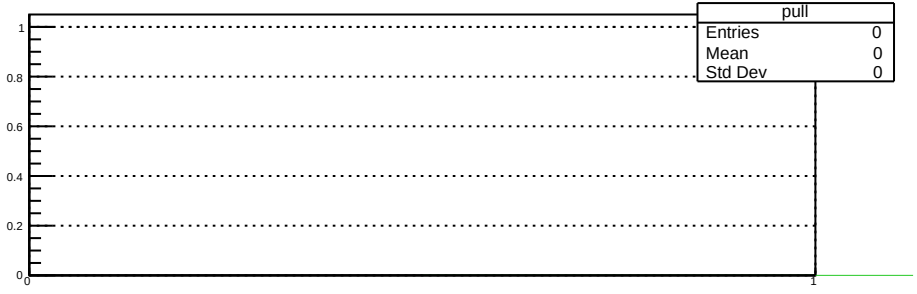

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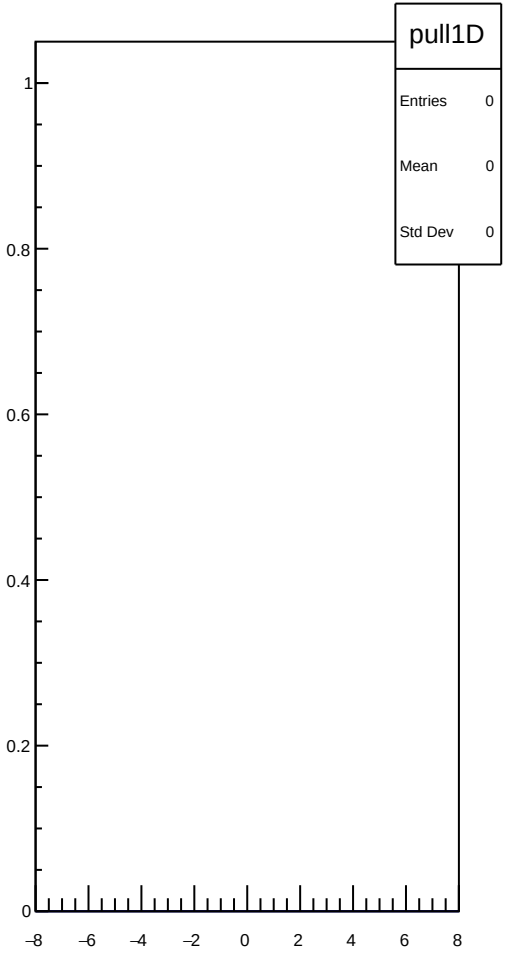

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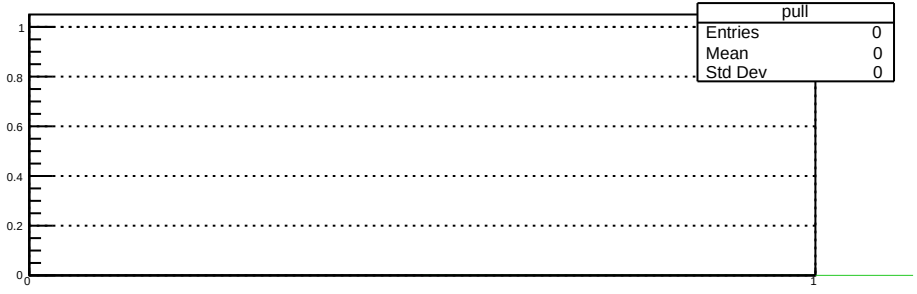

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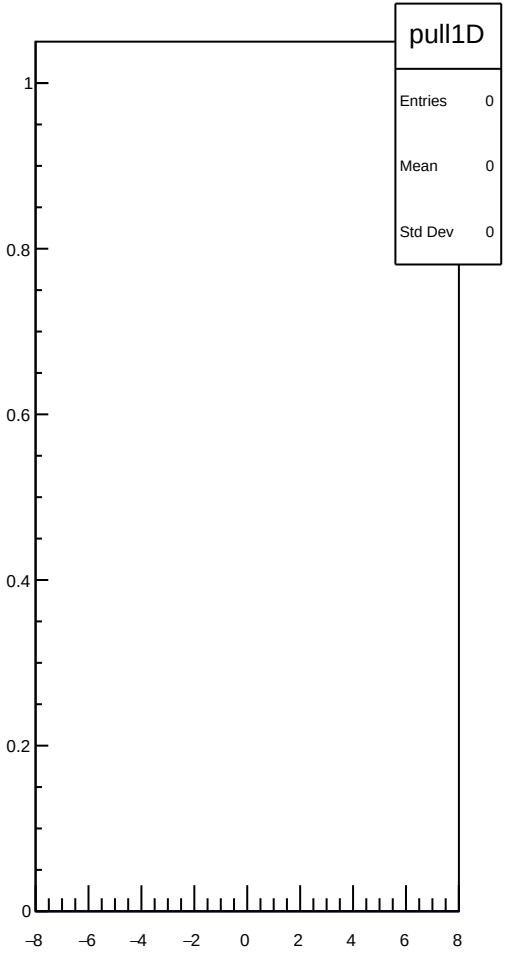

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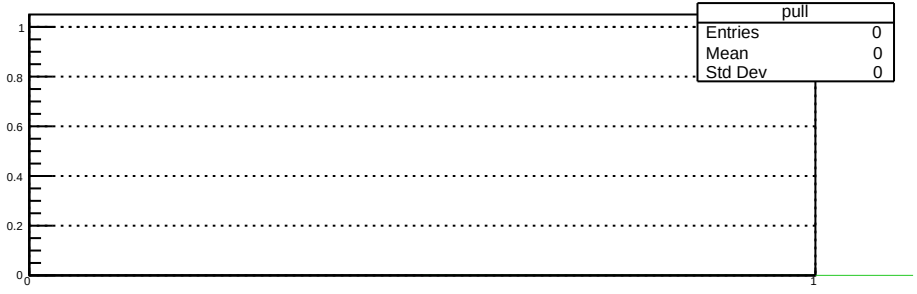

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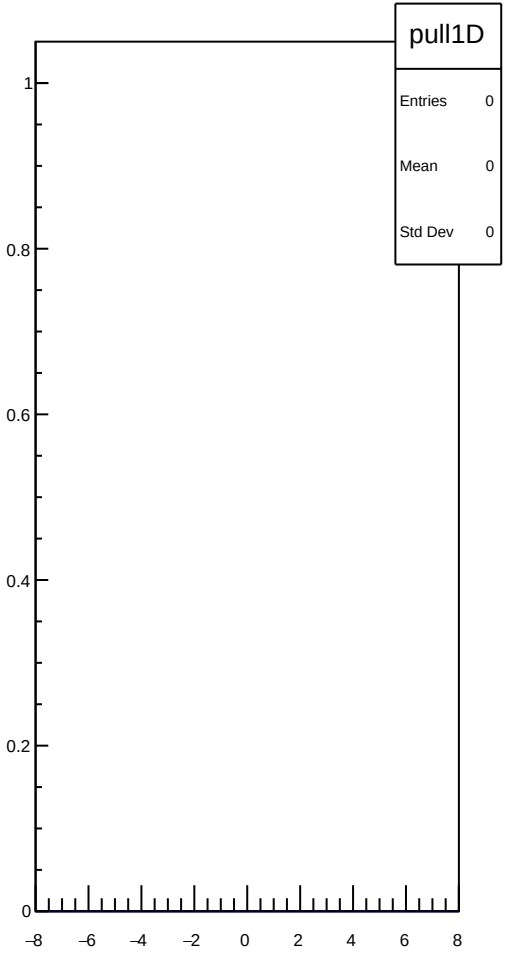

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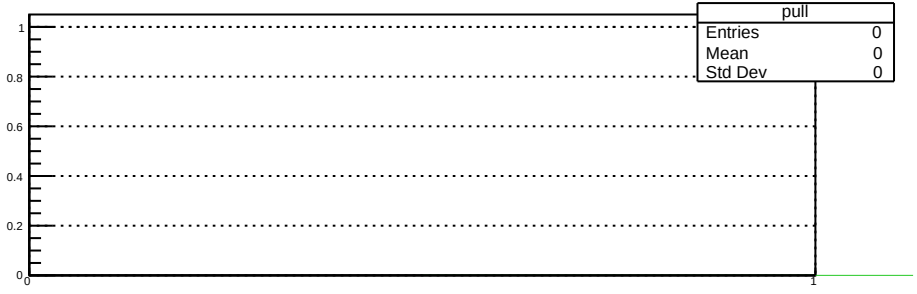

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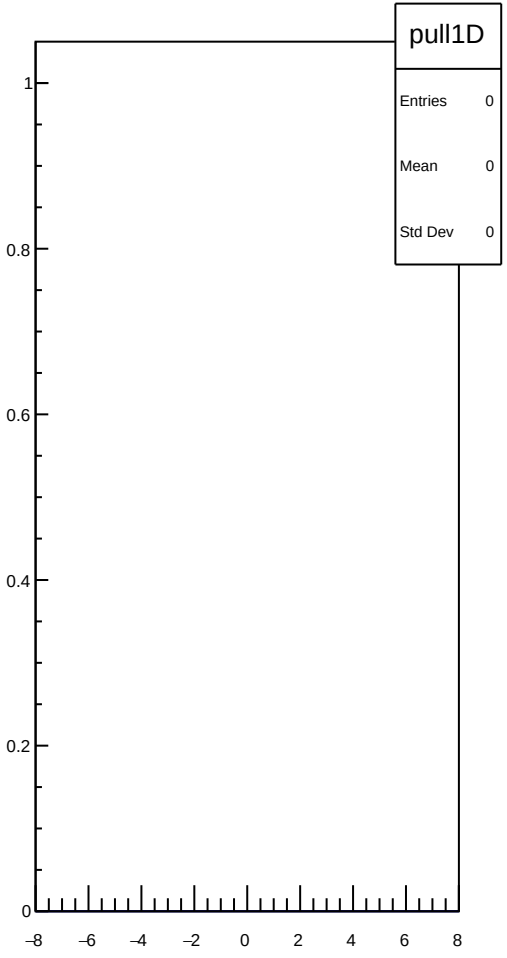

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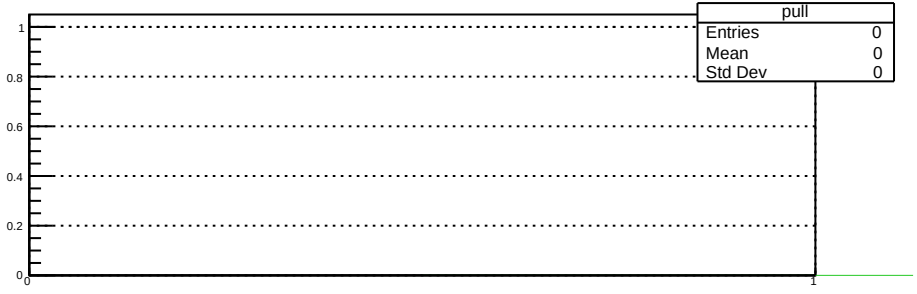

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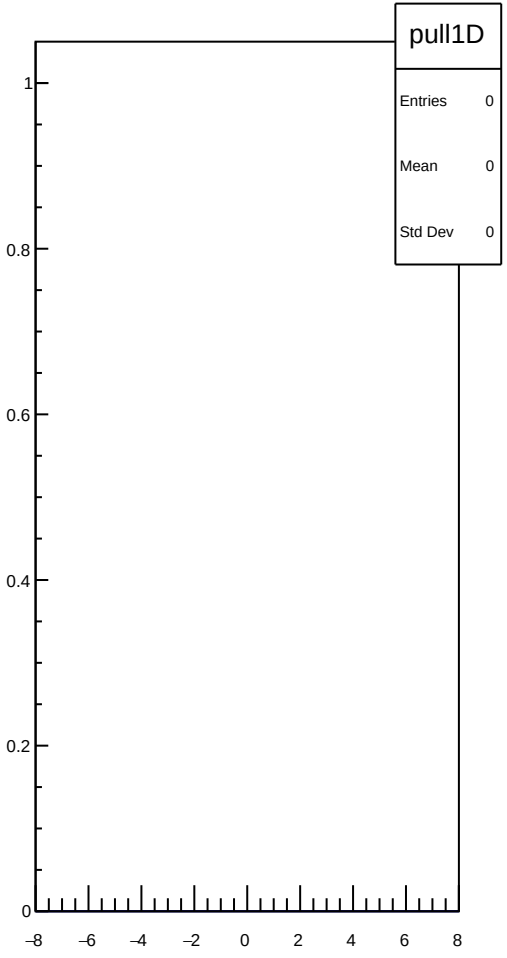

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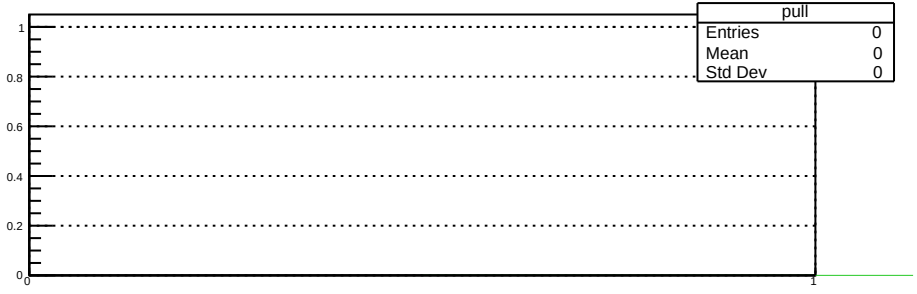

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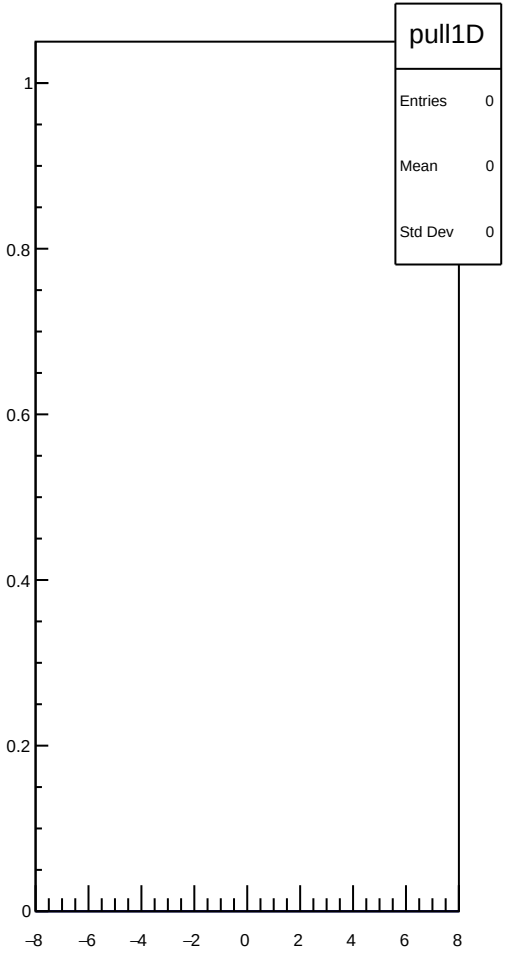

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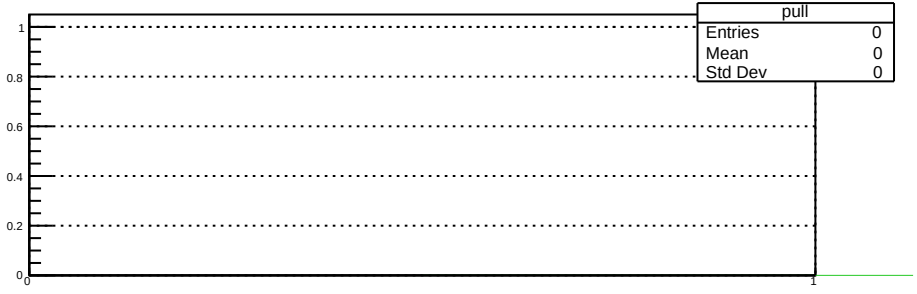

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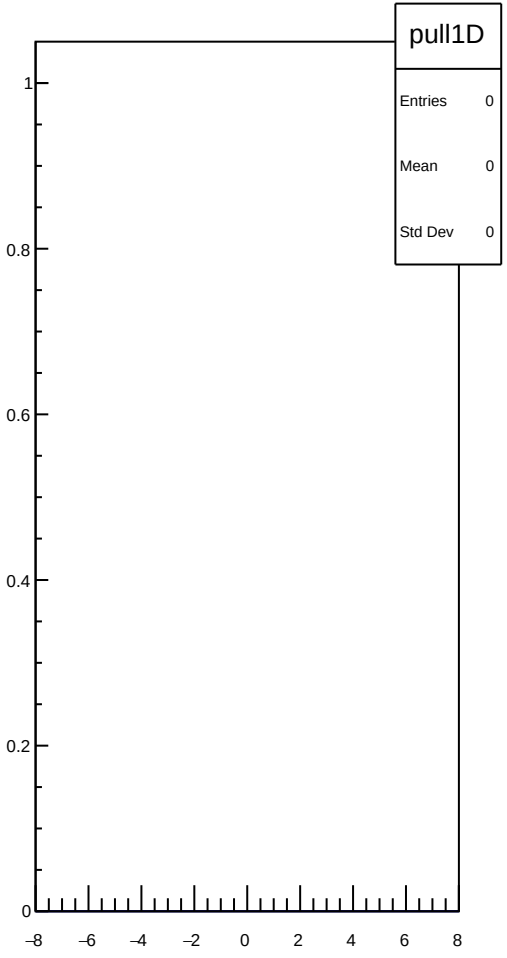

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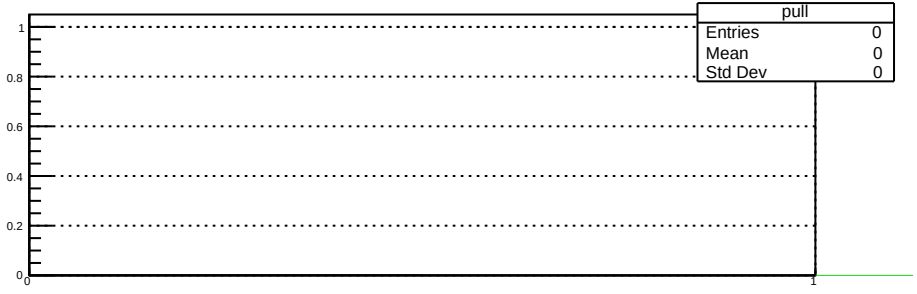

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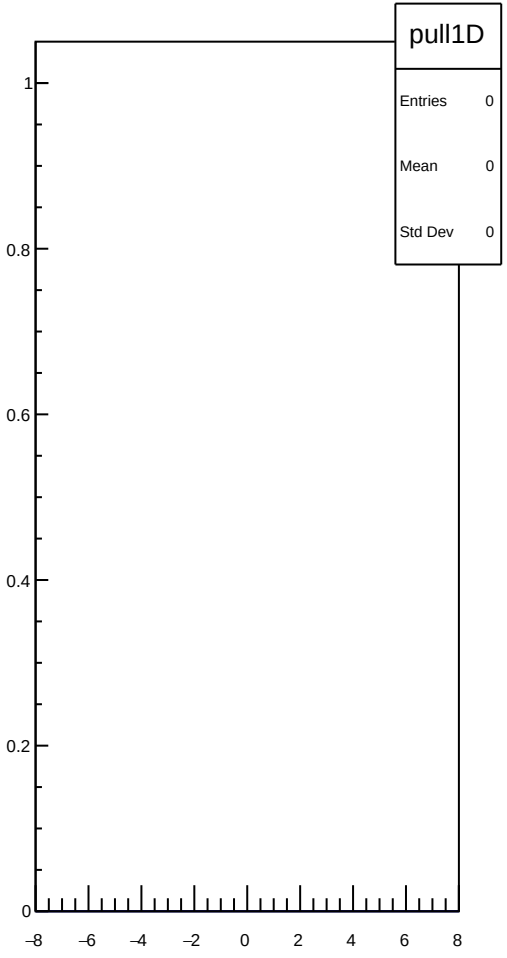

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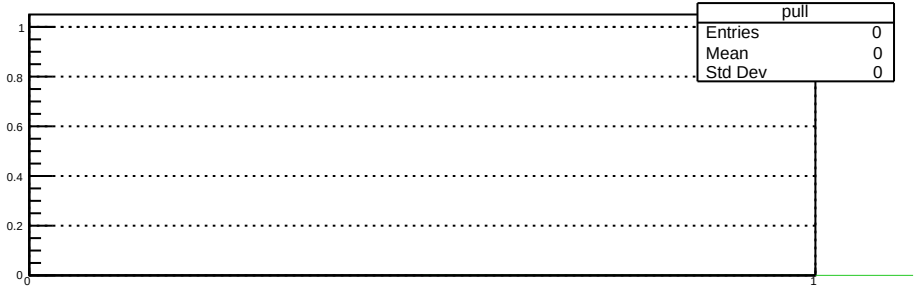

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–6
–4
–2
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4
6
8

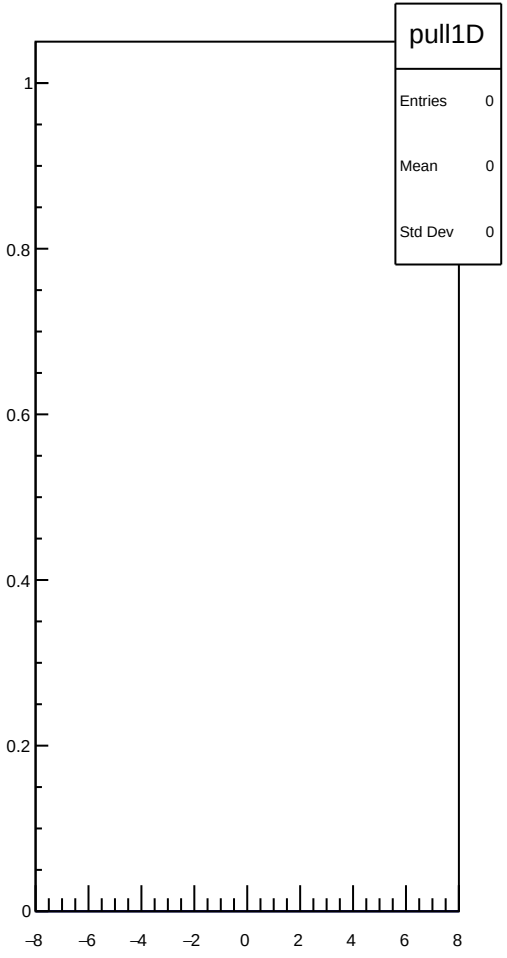

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
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0
1

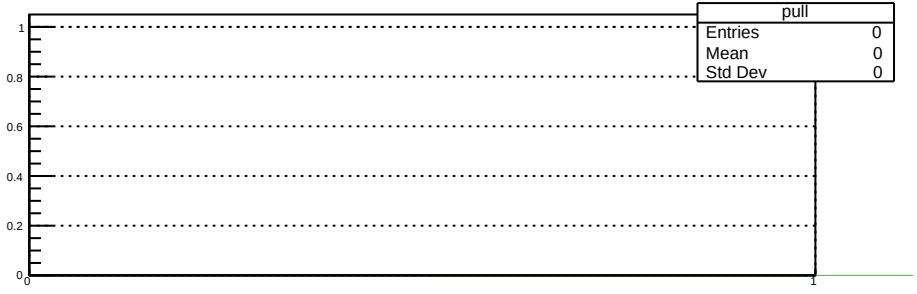

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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6
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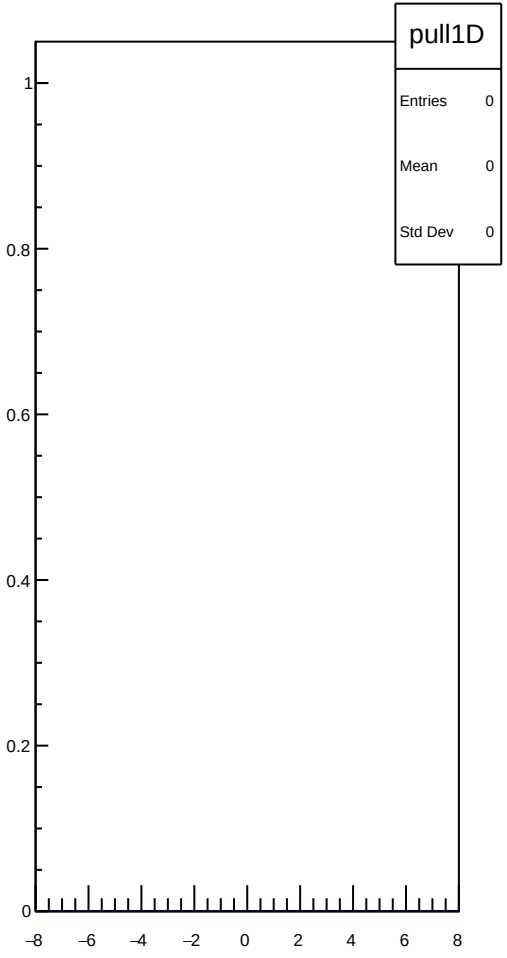

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
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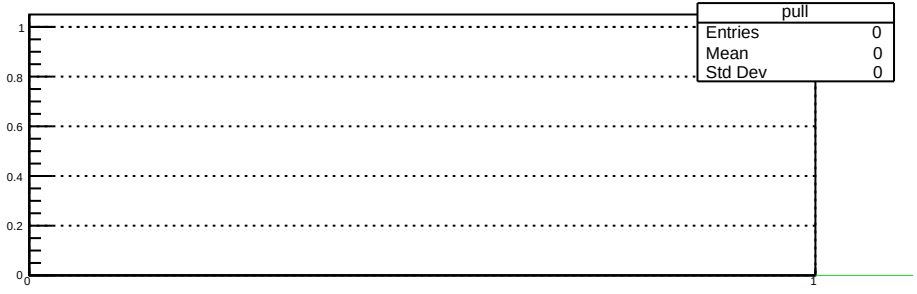

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–2
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6
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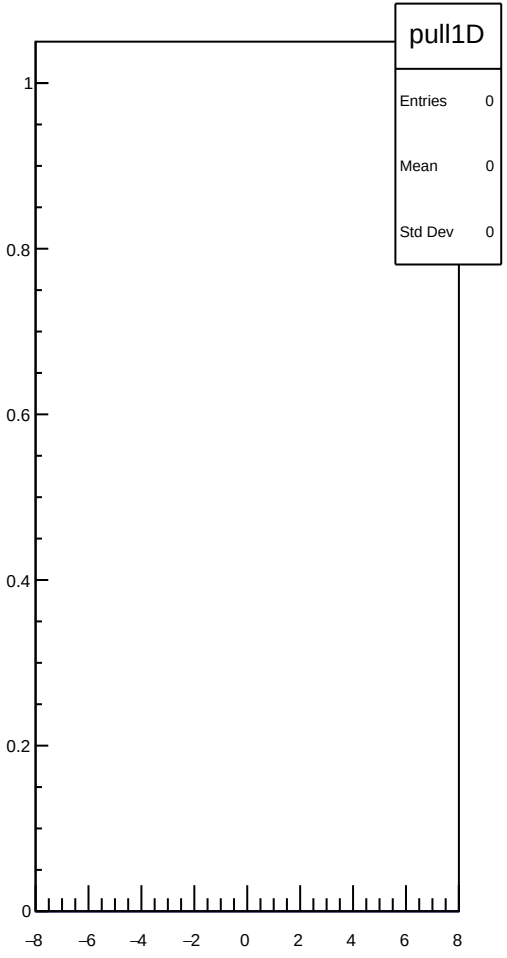

pull
Entries 0
Mean 0
Std Dev 0
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0.2
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0
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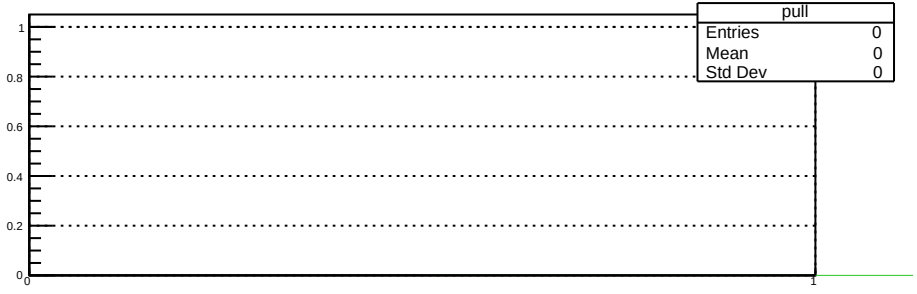

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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4
6
8

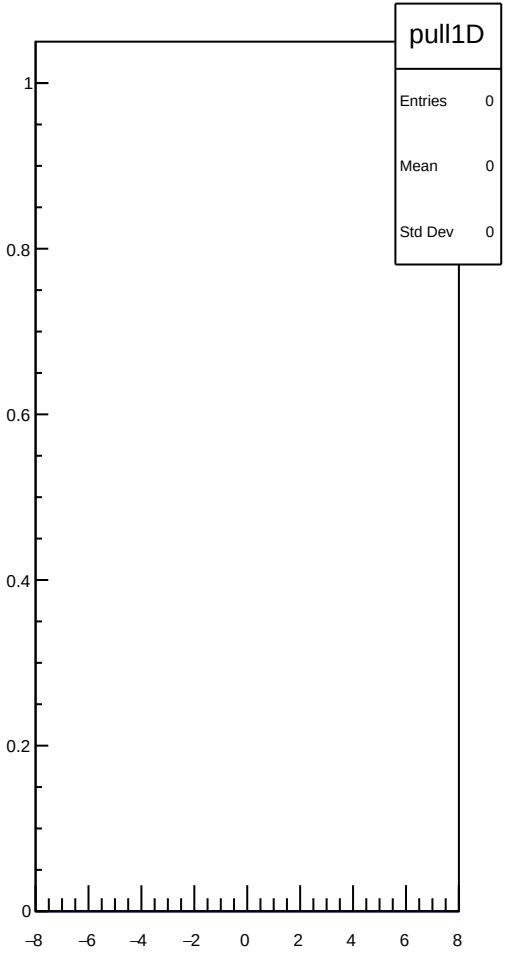

pull
Entries 0
Mean 0
Std Dev 0
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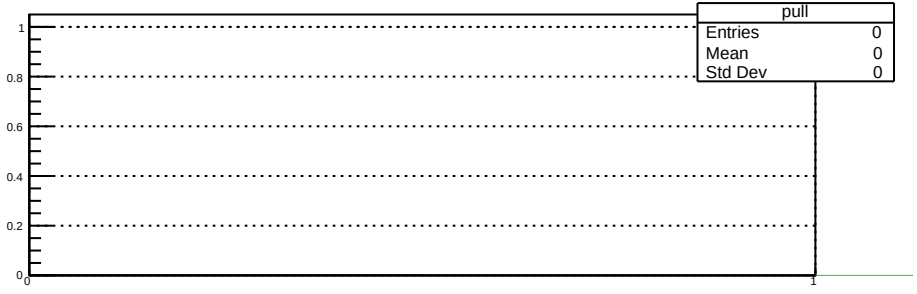

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–8
–6
–4
–2
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2
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6
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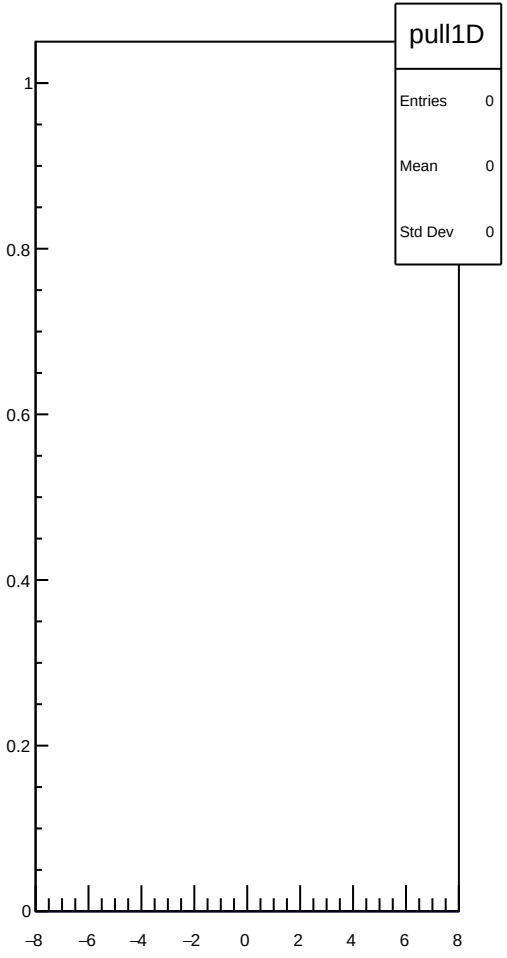

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
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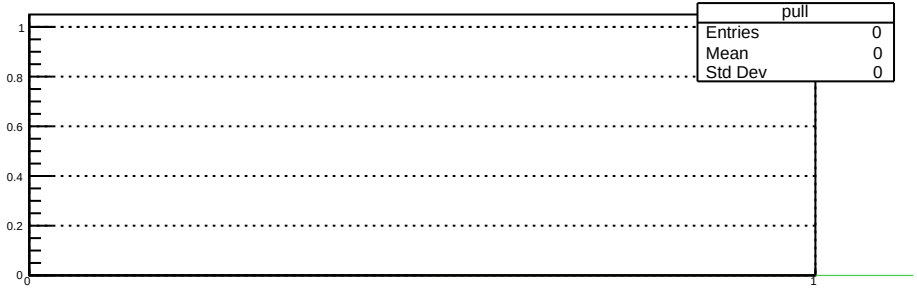

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–4
–2
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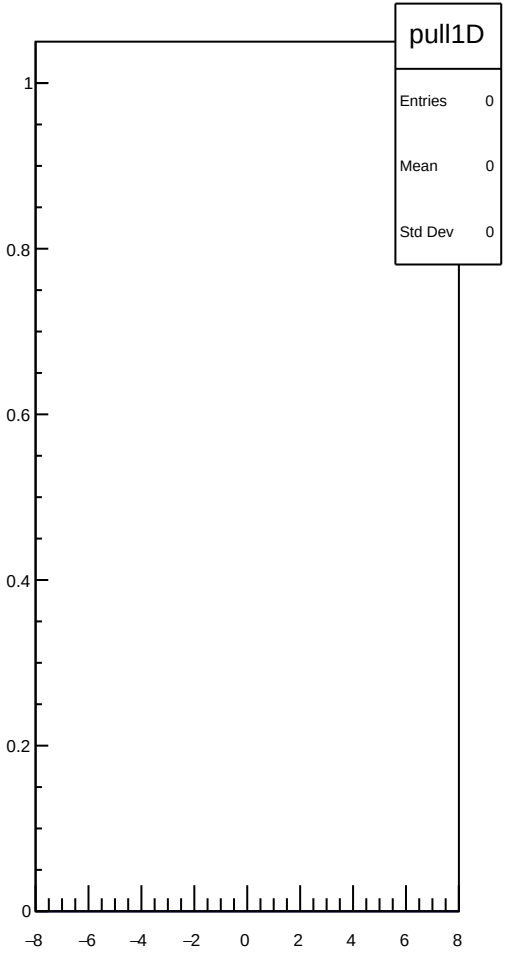

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
1

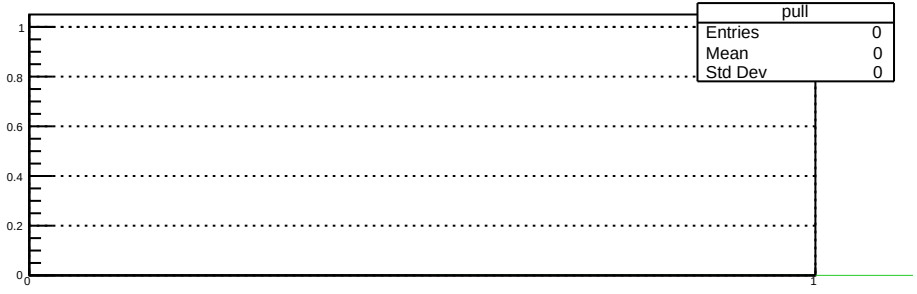

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–8
–6
–4
–2
0
2
4
6
8

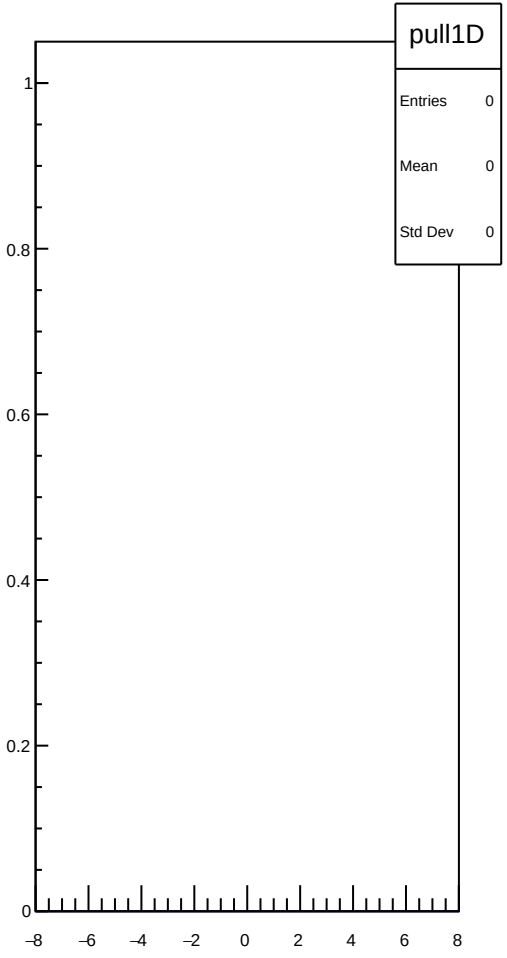

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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1

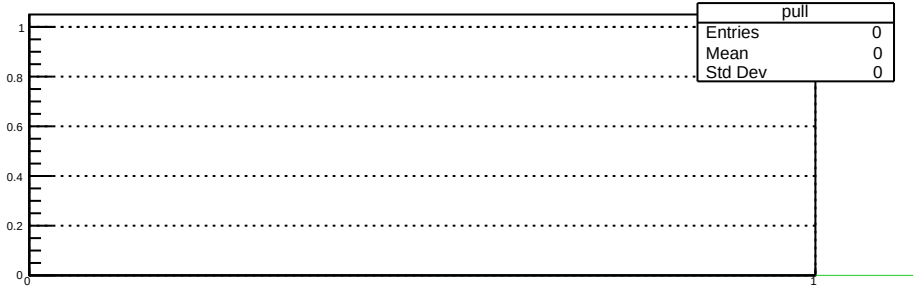

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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6
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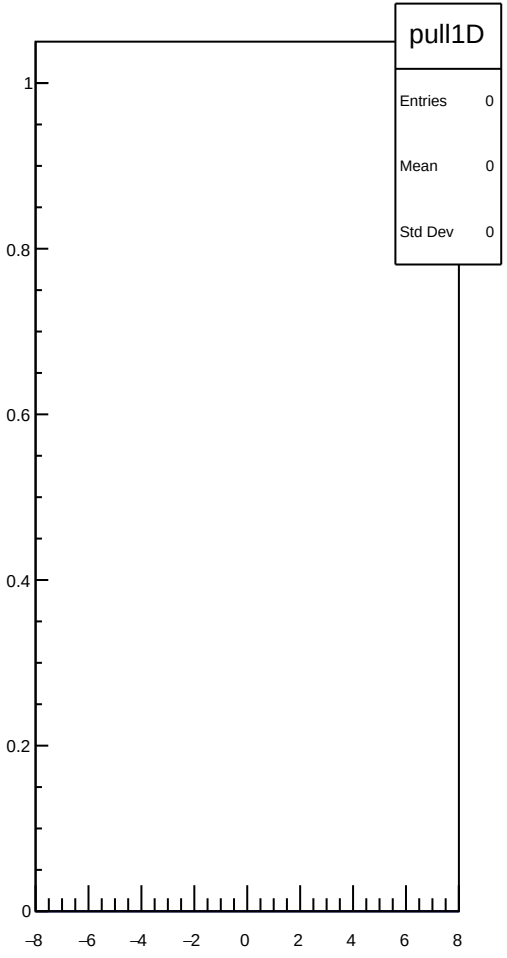

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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1

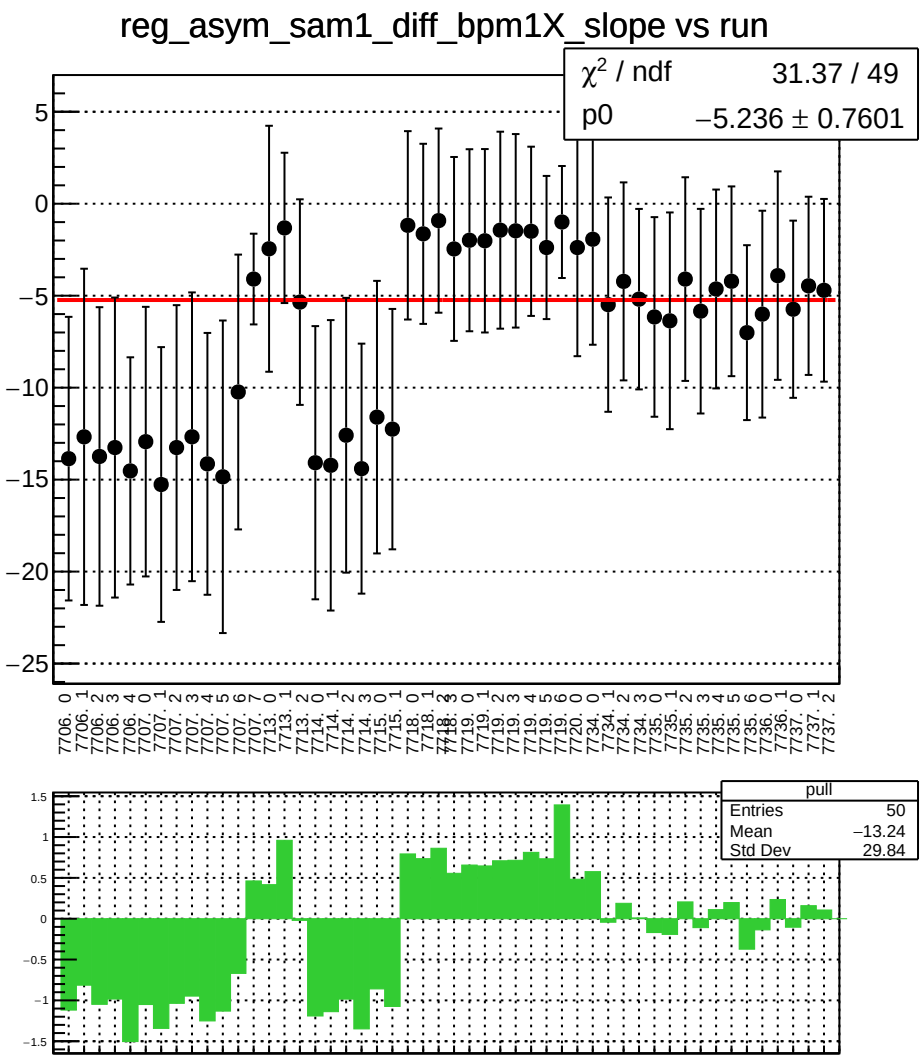

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
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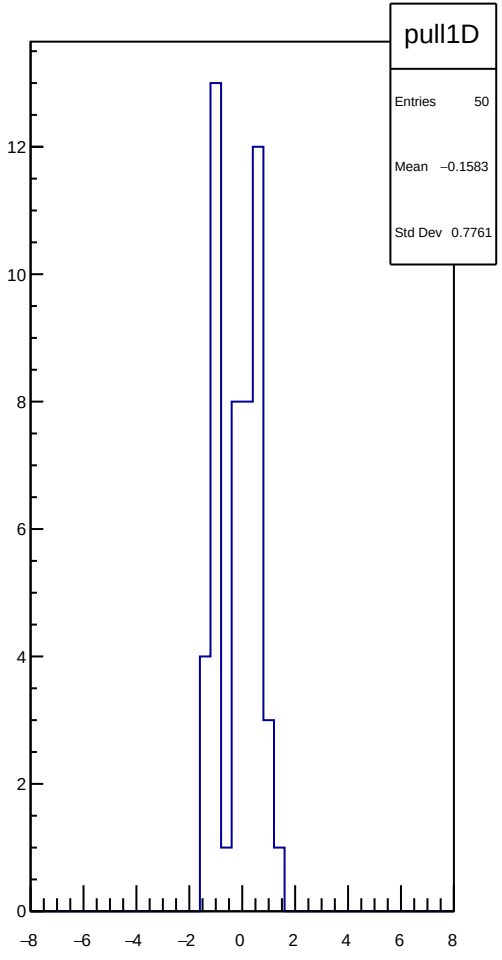

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

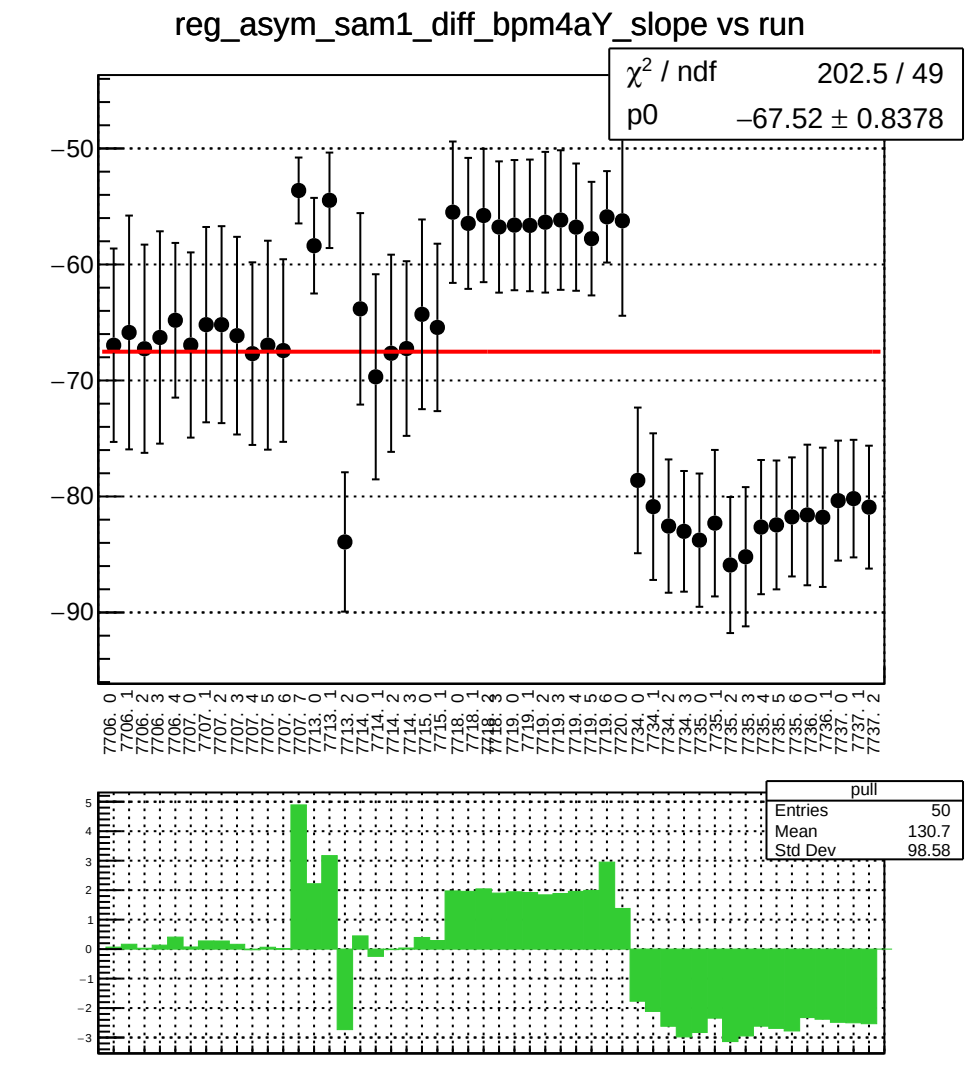

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
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–2
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2
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6
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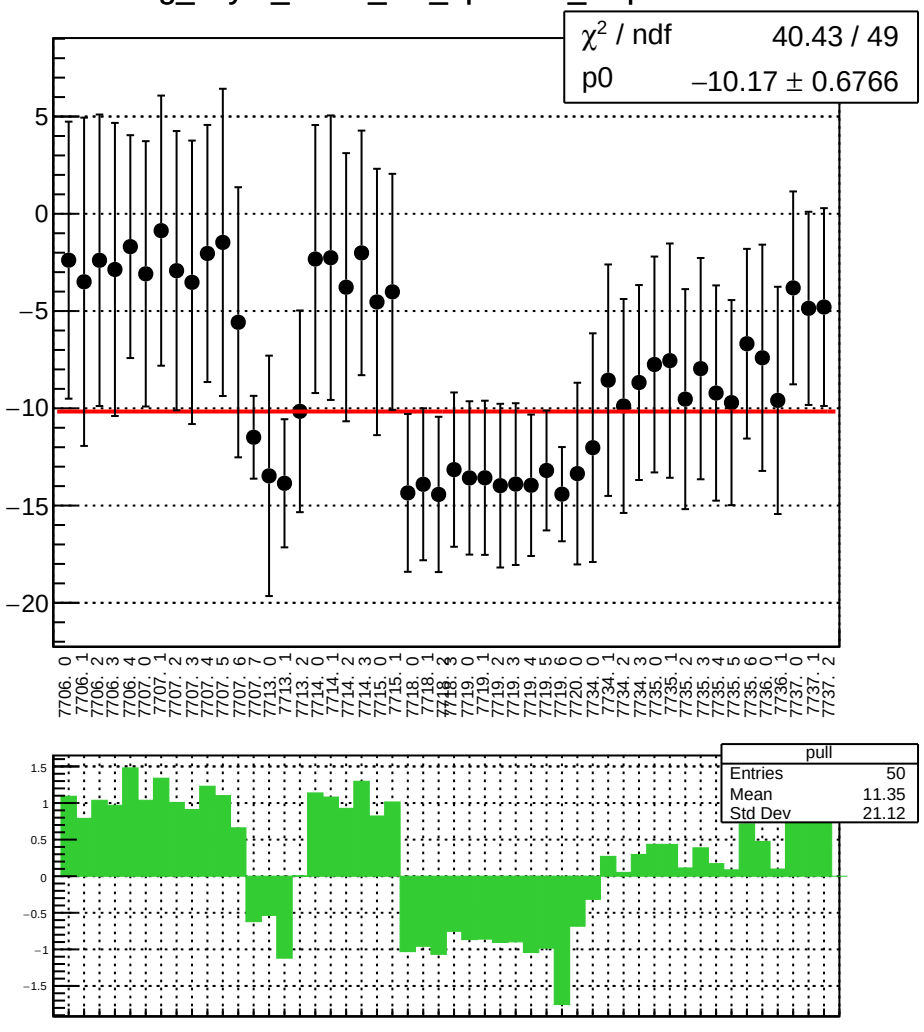

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

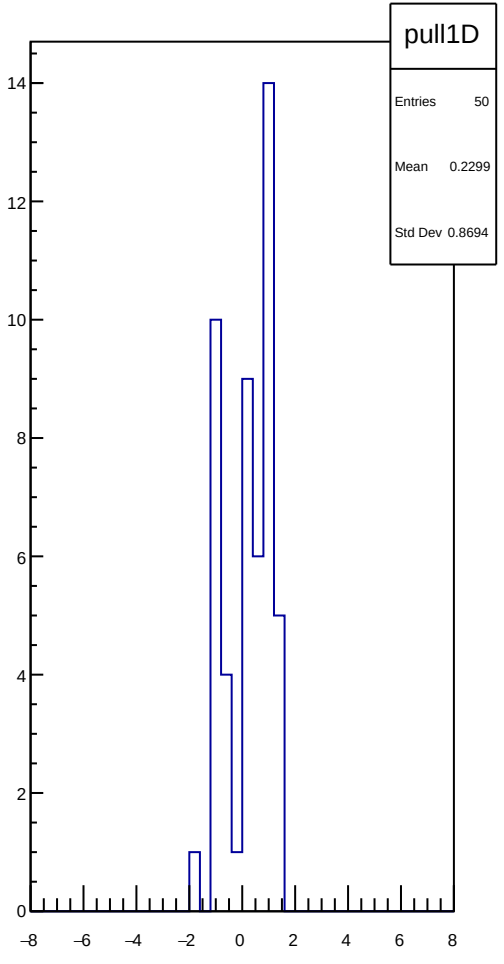

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

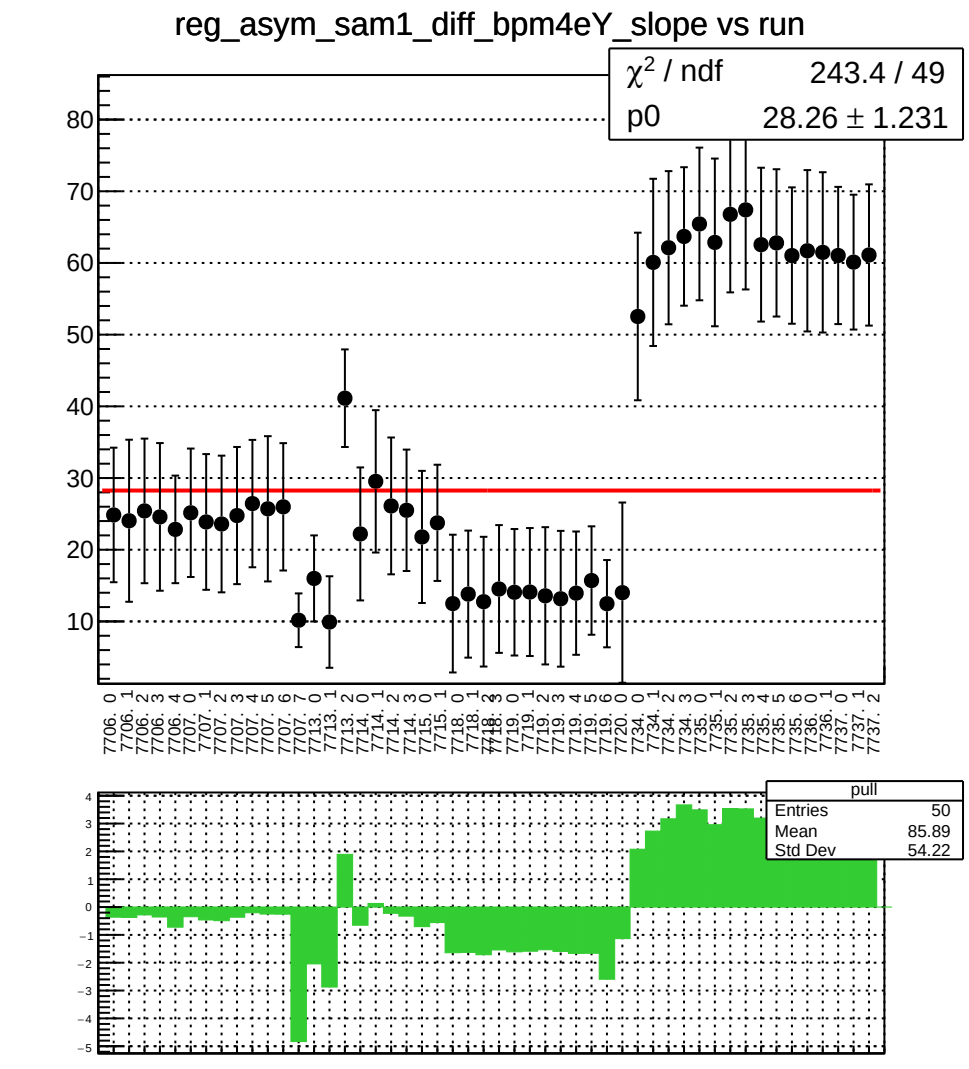

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 31.37 / 49
p0 −5.236 ± 0.7601
pull
Entries 50
Mean −13.24
Std Dev 29.84

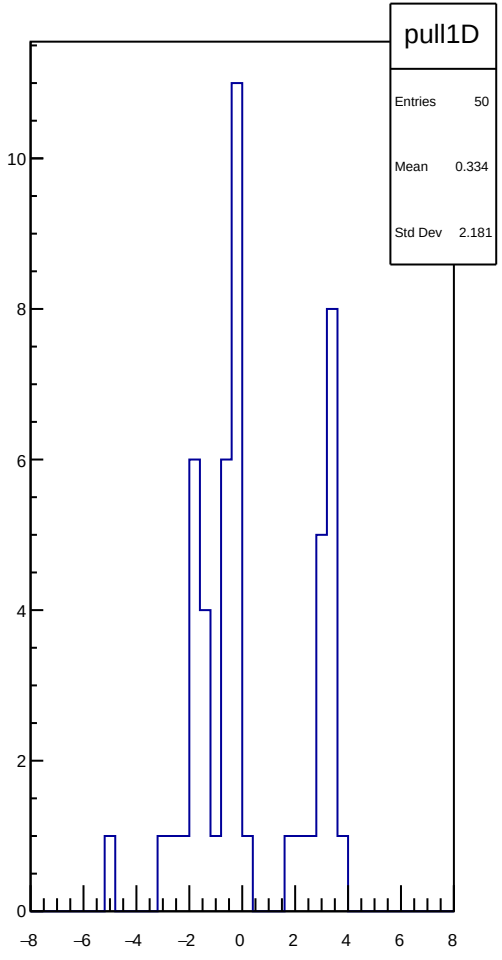

pull1D
Entries 50
Mean −0.1583
Std Dev 0.7761

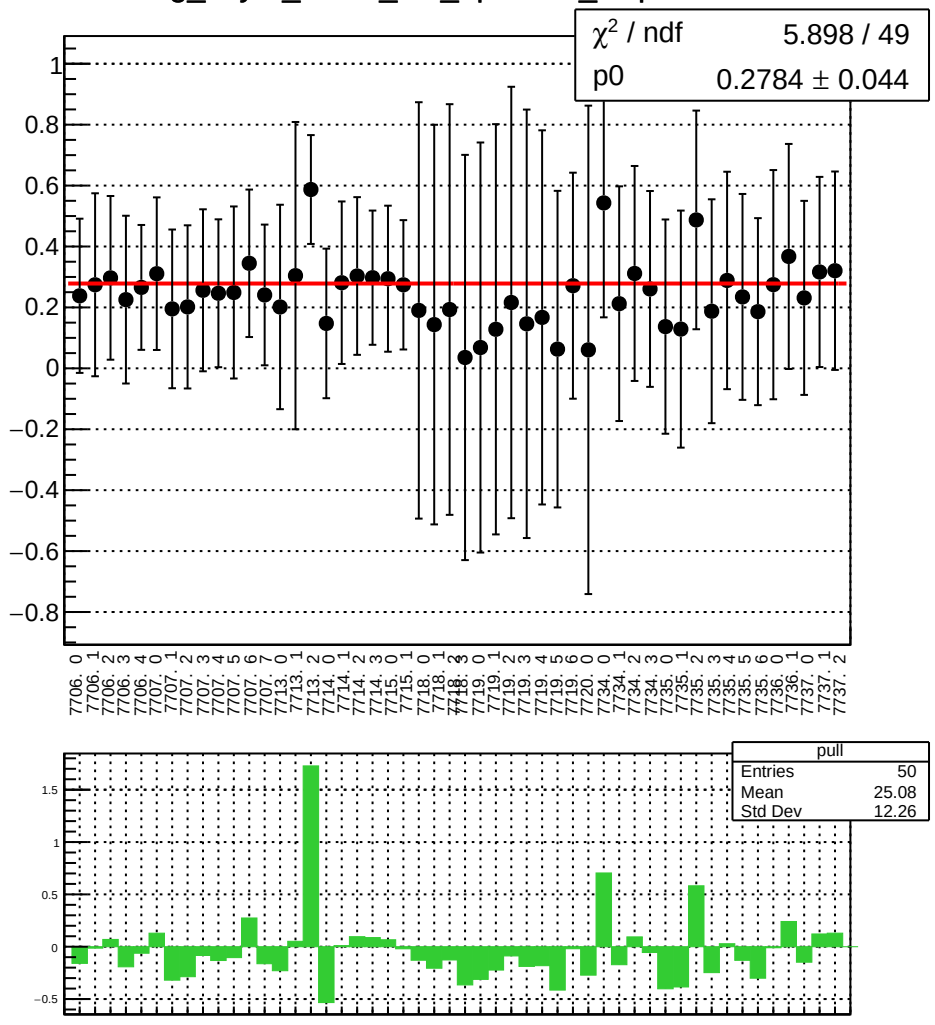

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 202.5 / 49
p0 −67.52 ± 0.8378
−50
−60
−70
−80
−90
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 130.7
Std Dev 98.58
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.1437
Std Dev 2.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

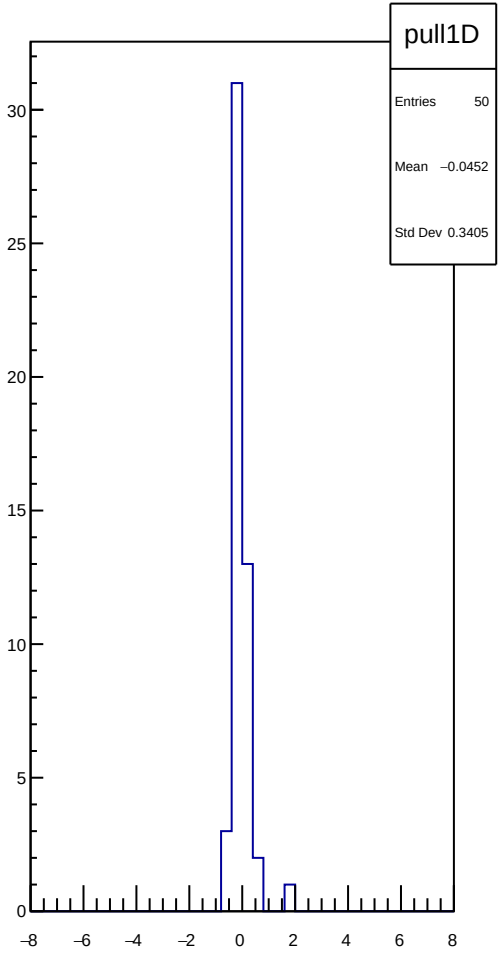

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 40.43 / 49
p0 −10.17 ± 0.6766
pull
Entries 50
Mean 11.35
Std Dev 21.12

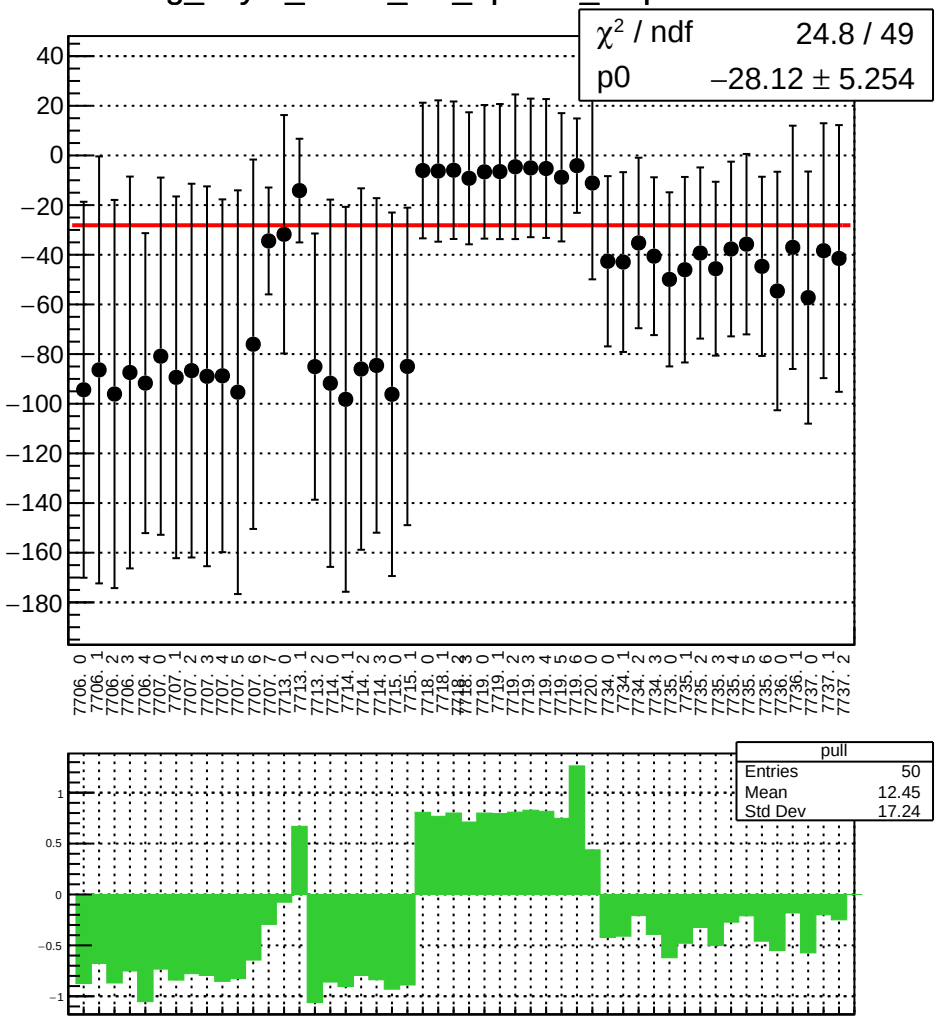

pull1D
Entries 50
Mean 0.2299
Std Dev 0.8694

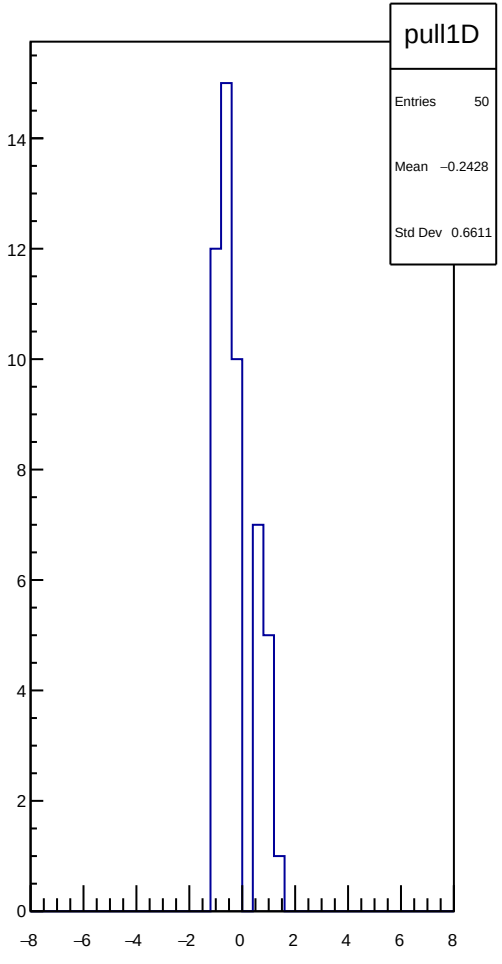

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 243.4 / 49
p0 28.26 ± 1.231
pull
Entries 50
Mean 85.89
Std Dev 54.22

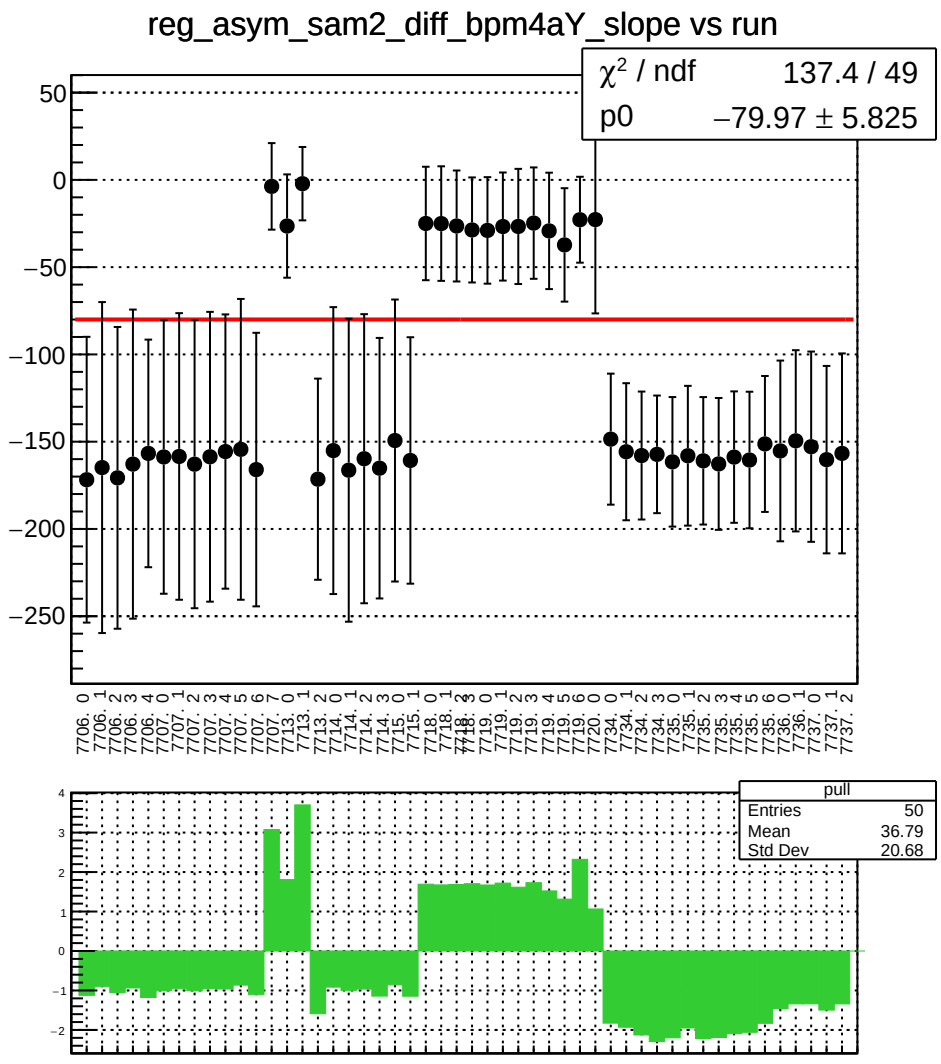

pull1D
Entries 50
Mean 0.334
Std Dev 2.181

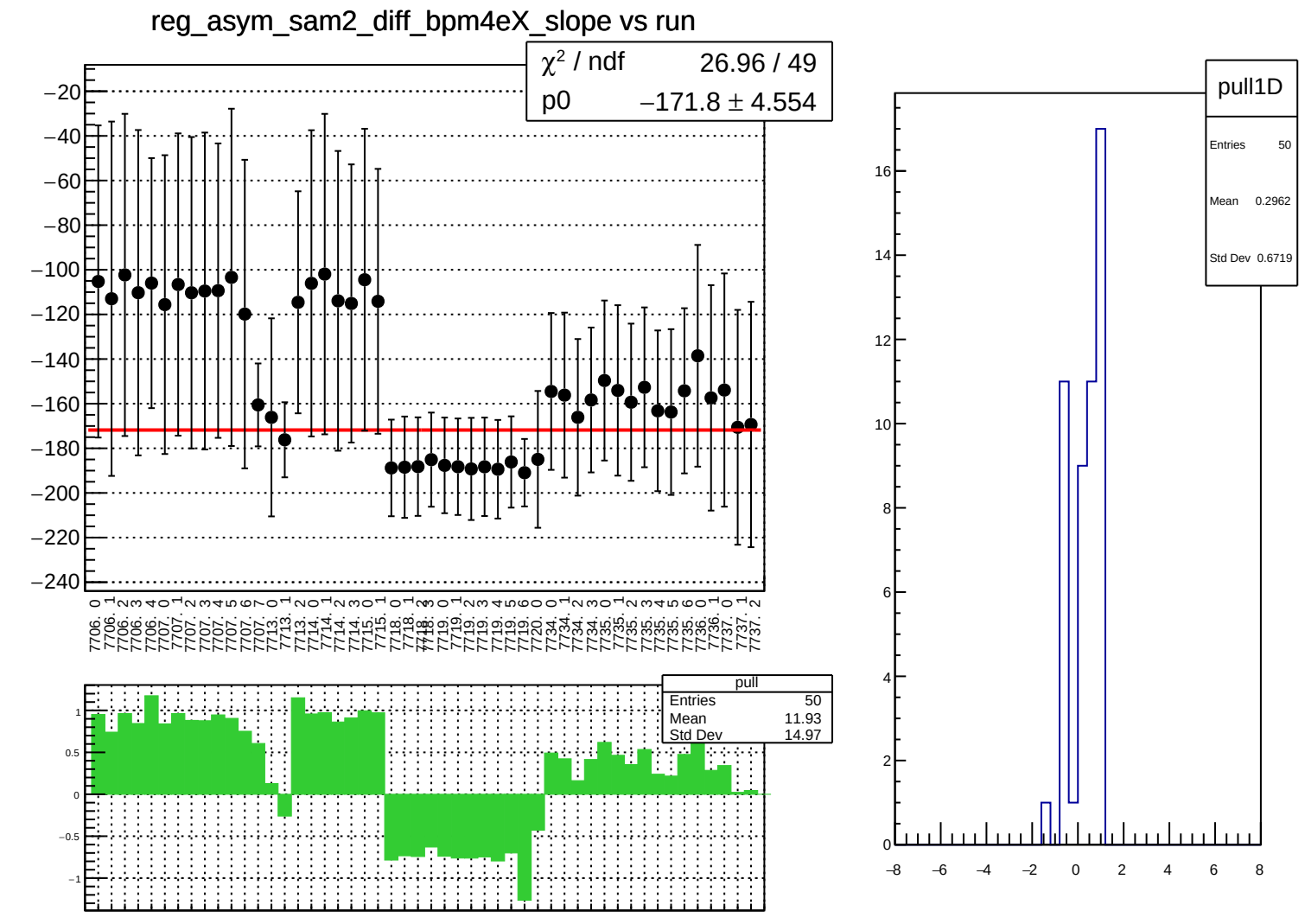

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 5.898 / 49
p0 0.2784 ± 0.044
pull
Entries 50
Mean 25.08
Std Dev 12.26

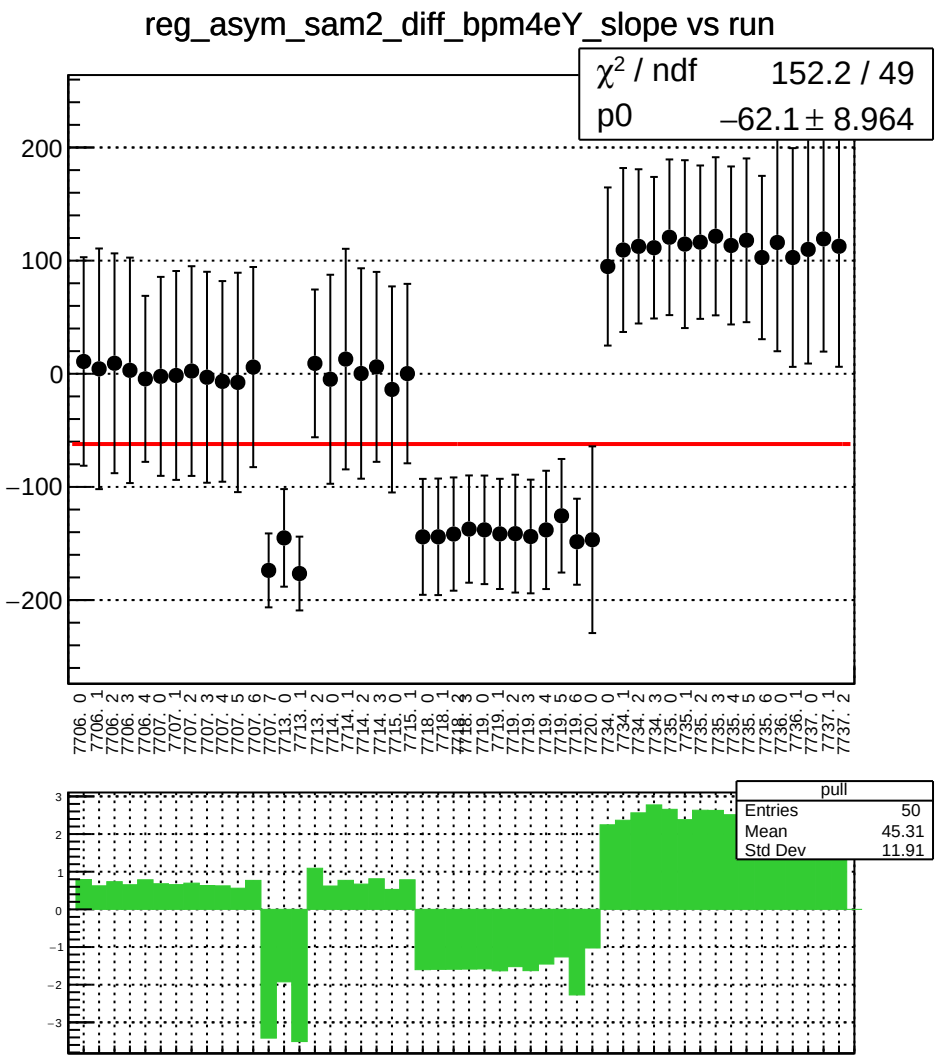

pull1D
Entries 50
Mean −0.0452
Std Dev 0.3405

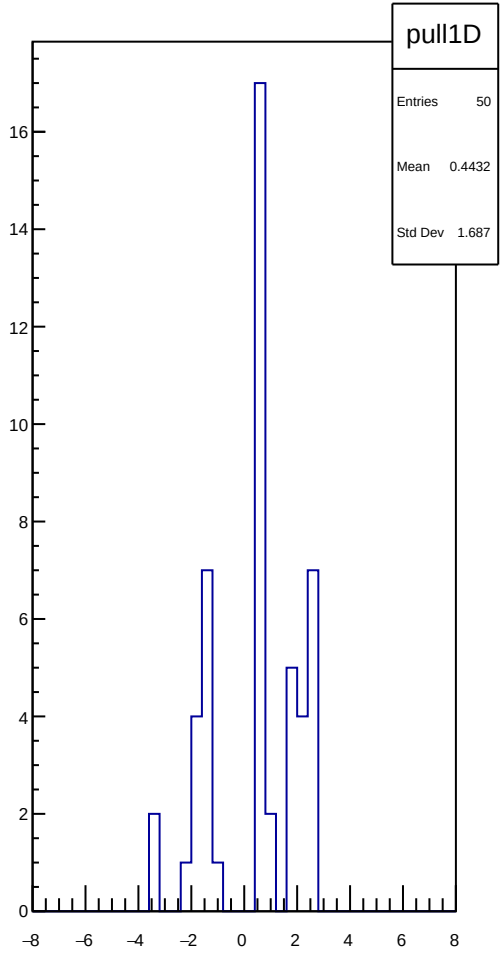

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 24.8 / 49
p0 −28.12 ± 5.254
pull
Entries 50
Mean 12.45
Std Dev 17.24

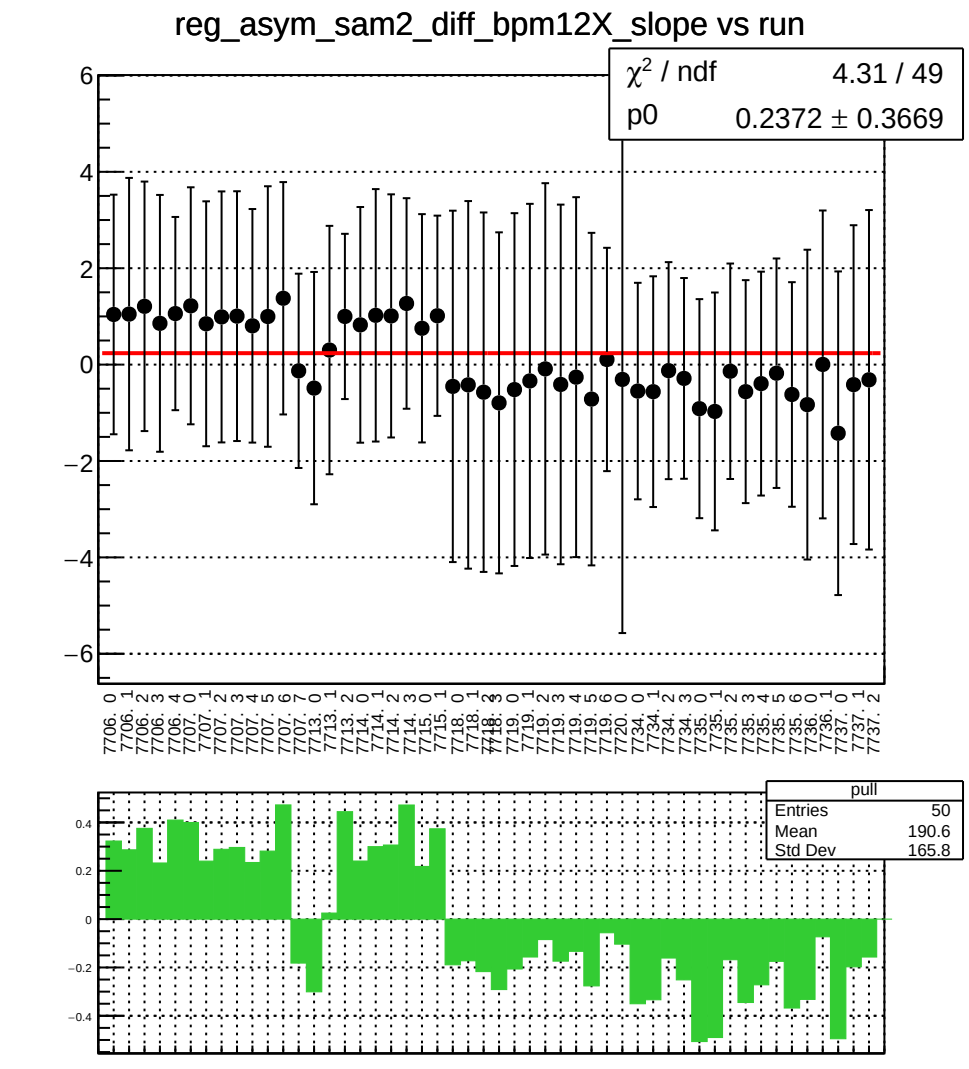

pull1D
Entries 50
Mean −0.2428
Std Dev 0.6611

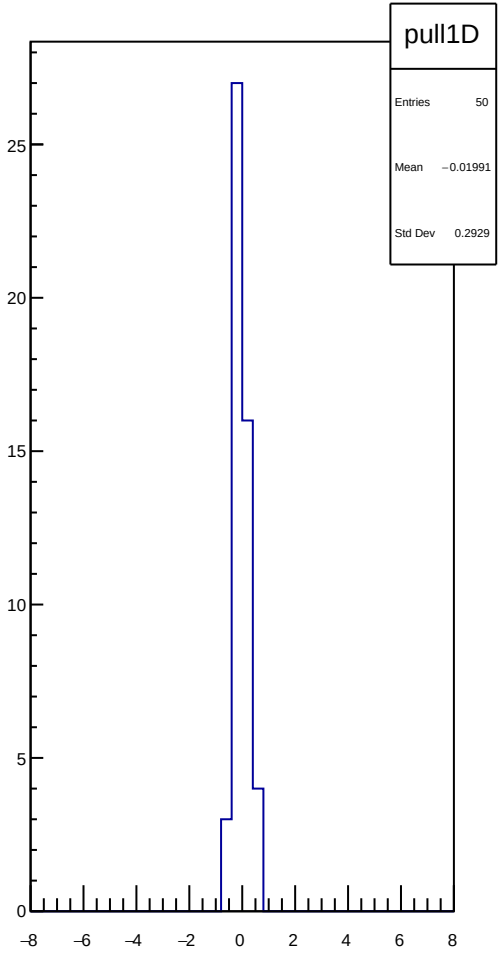

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 137.4 / 49
p0 −79.97 ± 5.825
50
0
−50
−100
−150
−200
−250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 36.79
Std Dev 20.68
4
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.4202
Std Dev 1.604
18
16
14
12
10
8
6
4
2
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−8
−6
−4
−2
0
2
4
6
8

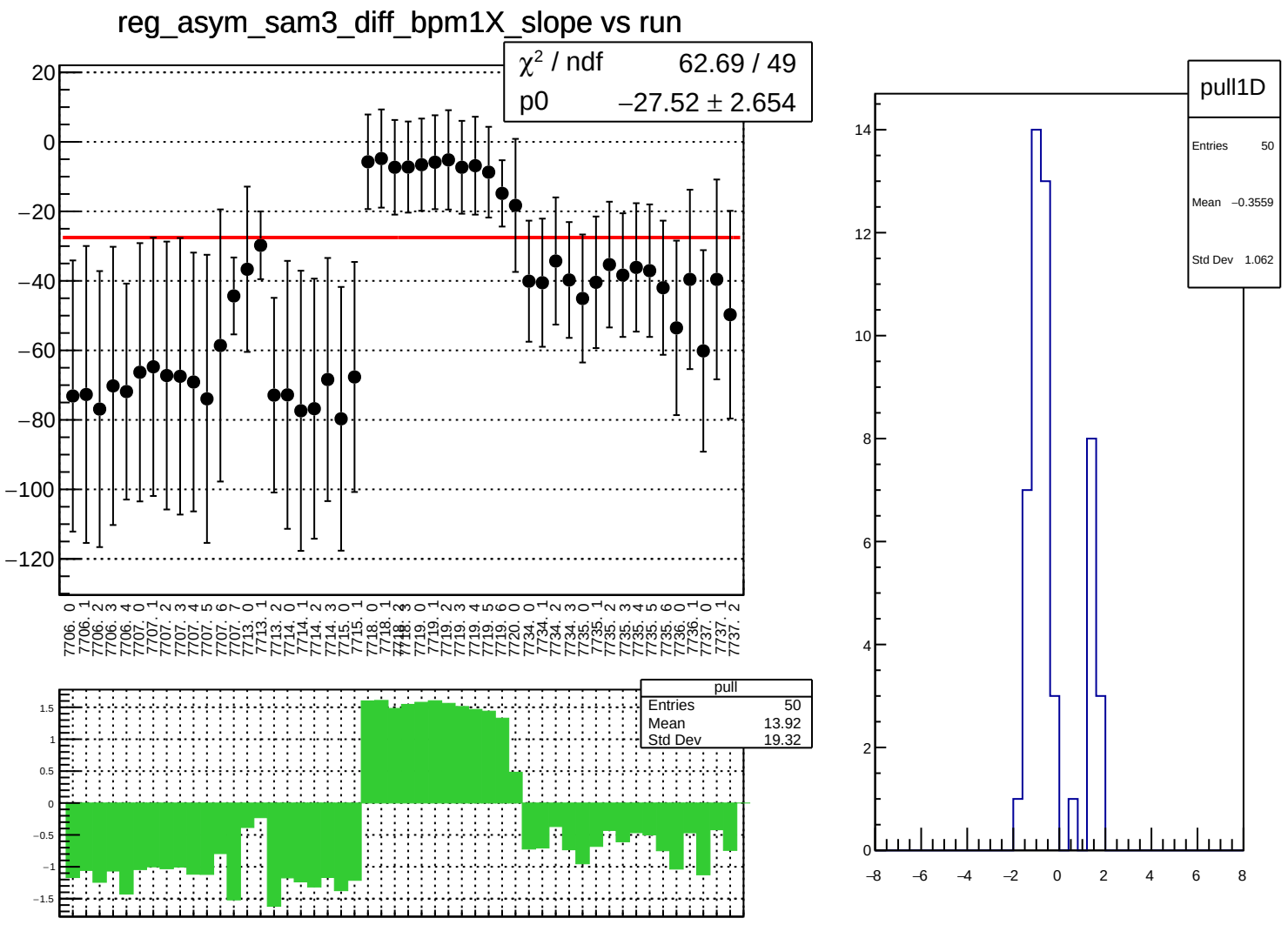

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 26.96 / 49
p0 −171.8 ± 4.554
pull
Entries 50
Mean 11.93
Std Dev 14.97
pull1D
Entries 50
Mean 0.2962
Std Dev 0.6719

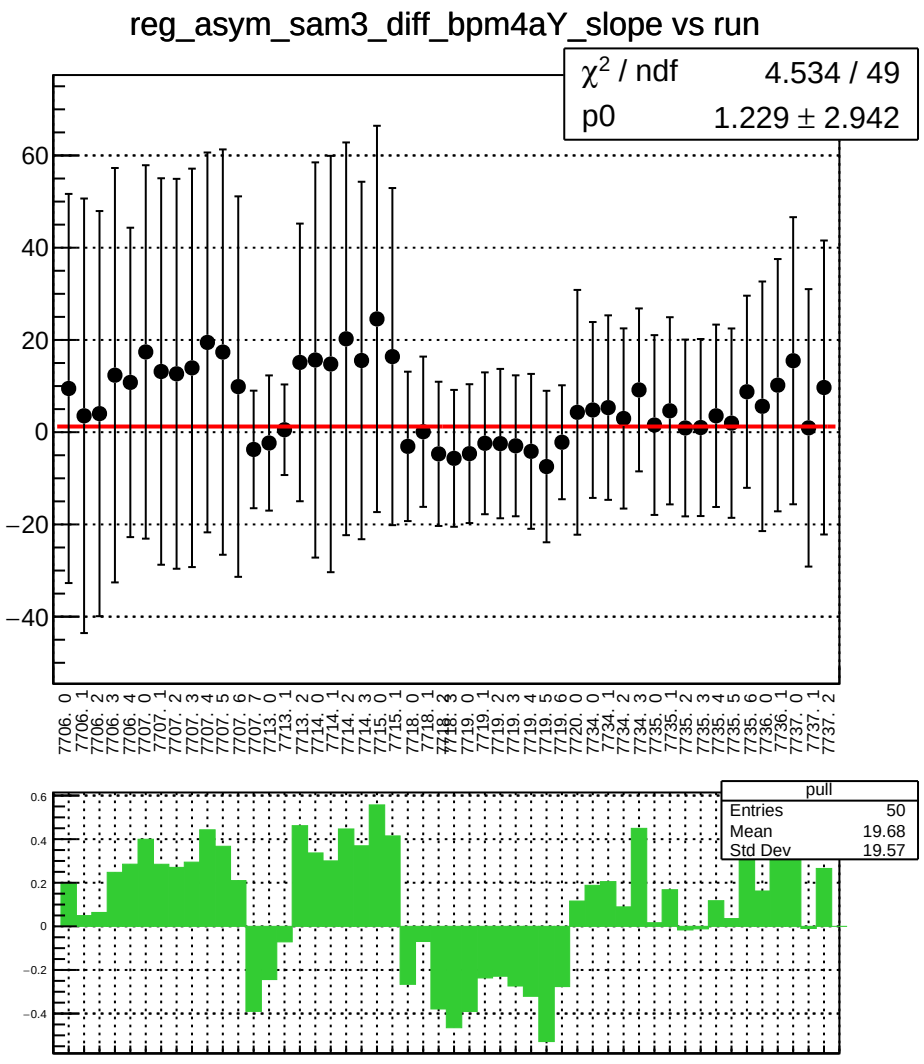

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 152.2 / 49
p0 −62.1 ± 8.964
200
100
0
−100
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 45.31
Std Dev 11.91
3
2
1
0
−1
−2
−3

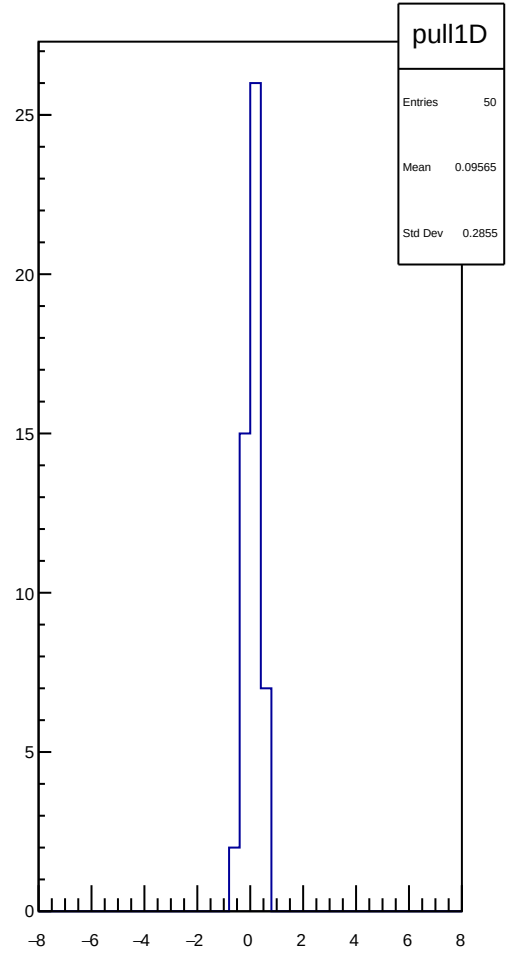

pull1D
Entries 50
Mean 0.4432
Std Dev 1.687
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

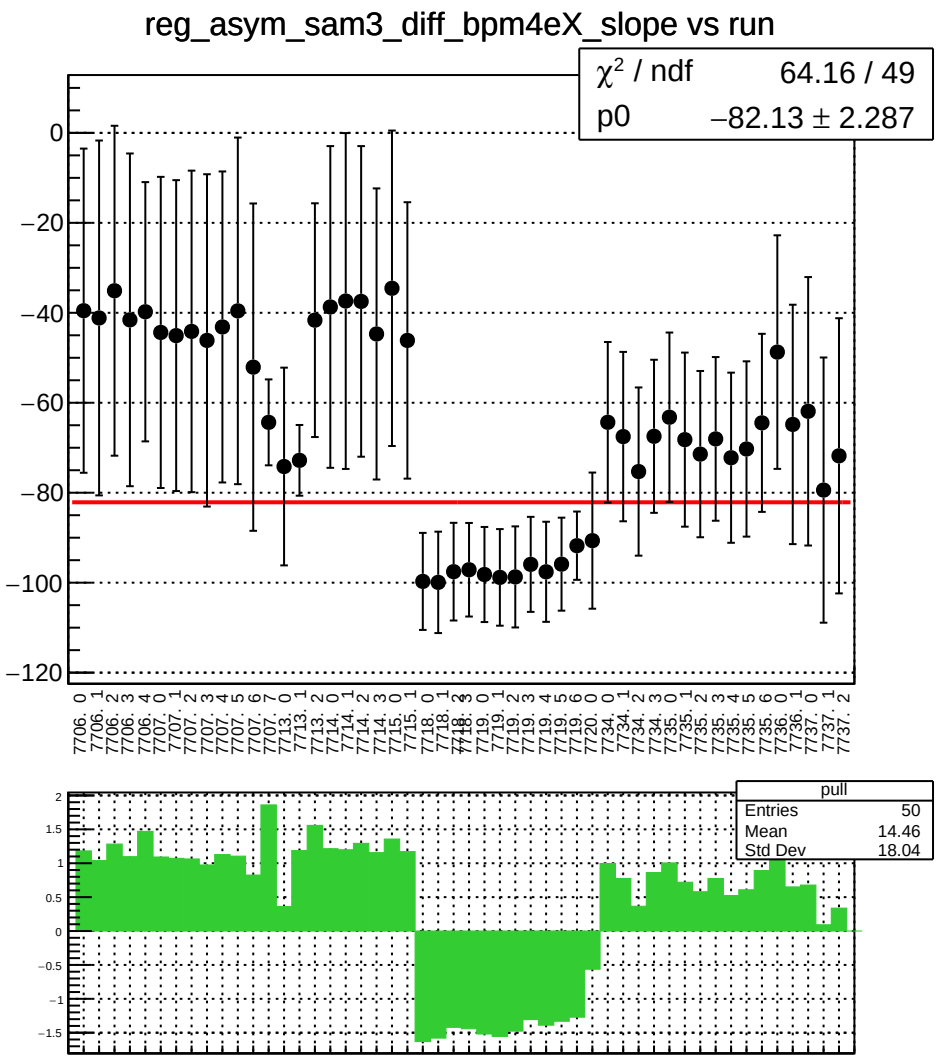

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 4.31 / 49
p0 0.2372 ± 0.3669
pull
Entries 50
Mean 190.6
Std Dev 165.8

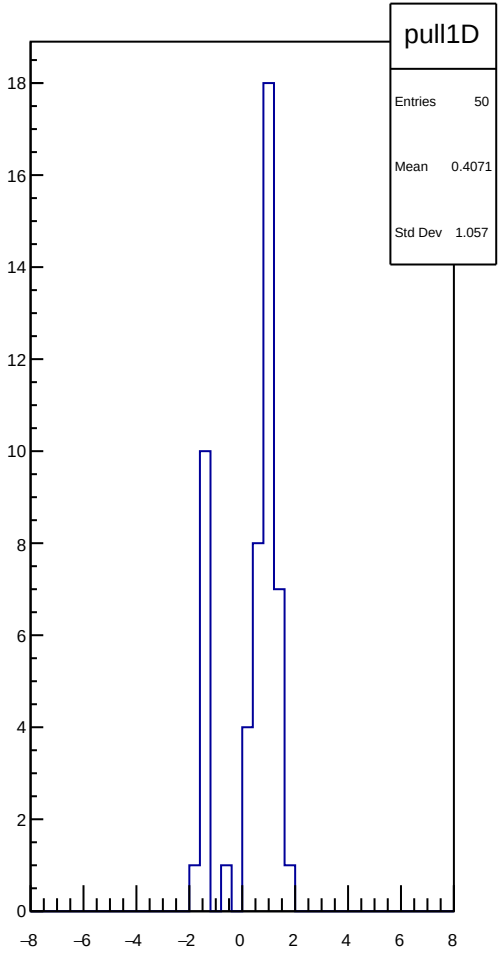

pull1D
Entries 50
Mean −0.01991
Std Dev 0.2929

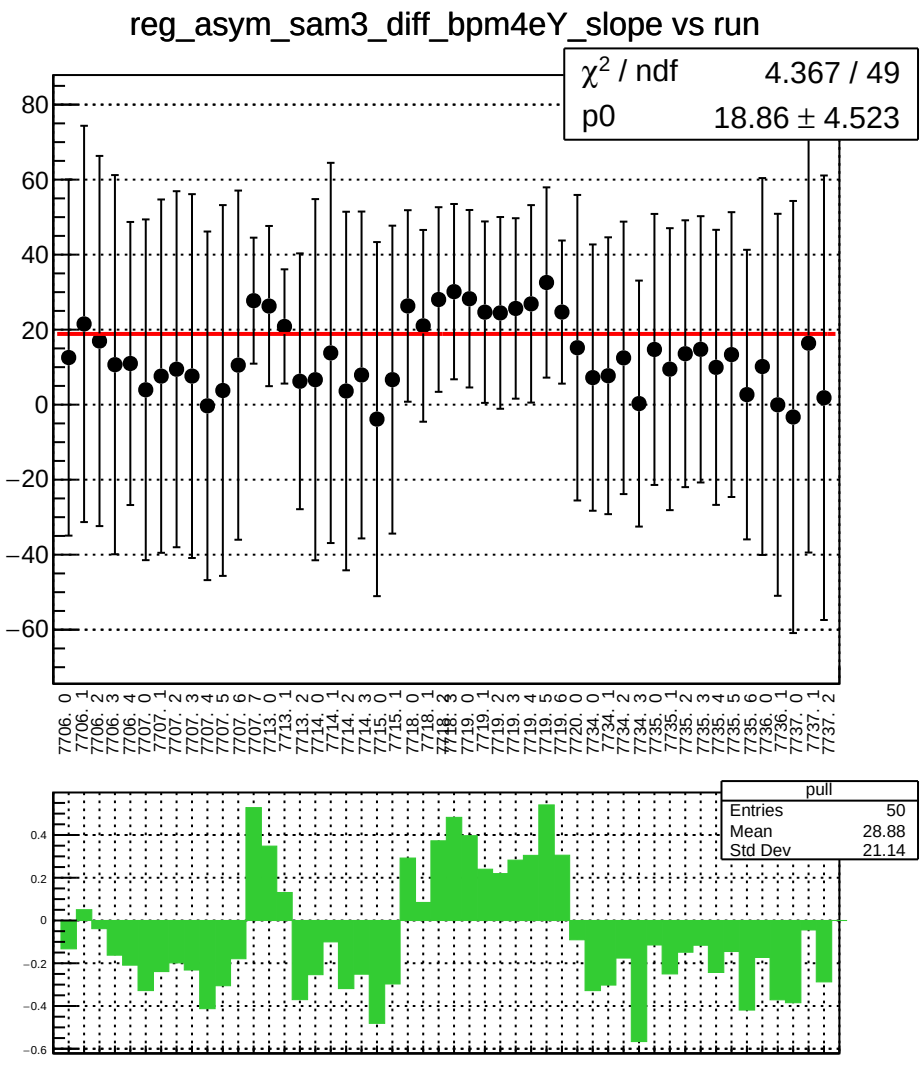

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 62.69 / 49
p0 −27.52 ± 2.654
pull
Entries 50
Mean 13.92
Std Dev 19.32
pull1D
Entries 50
Mean −0.3559
Std Dev 1.062

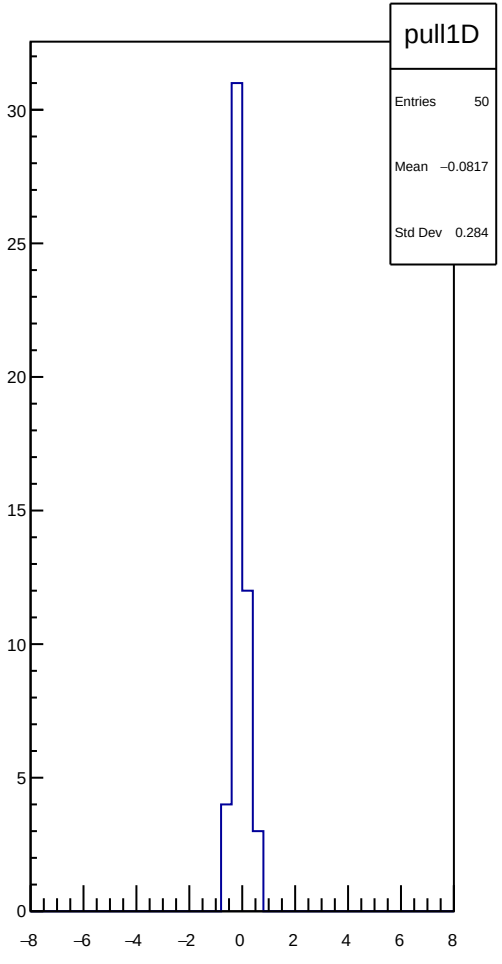

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 4.534 / 49
p0 1.229 ± 2.942
pull
Entries 50
Mean 19.68
Std Dev 19.57

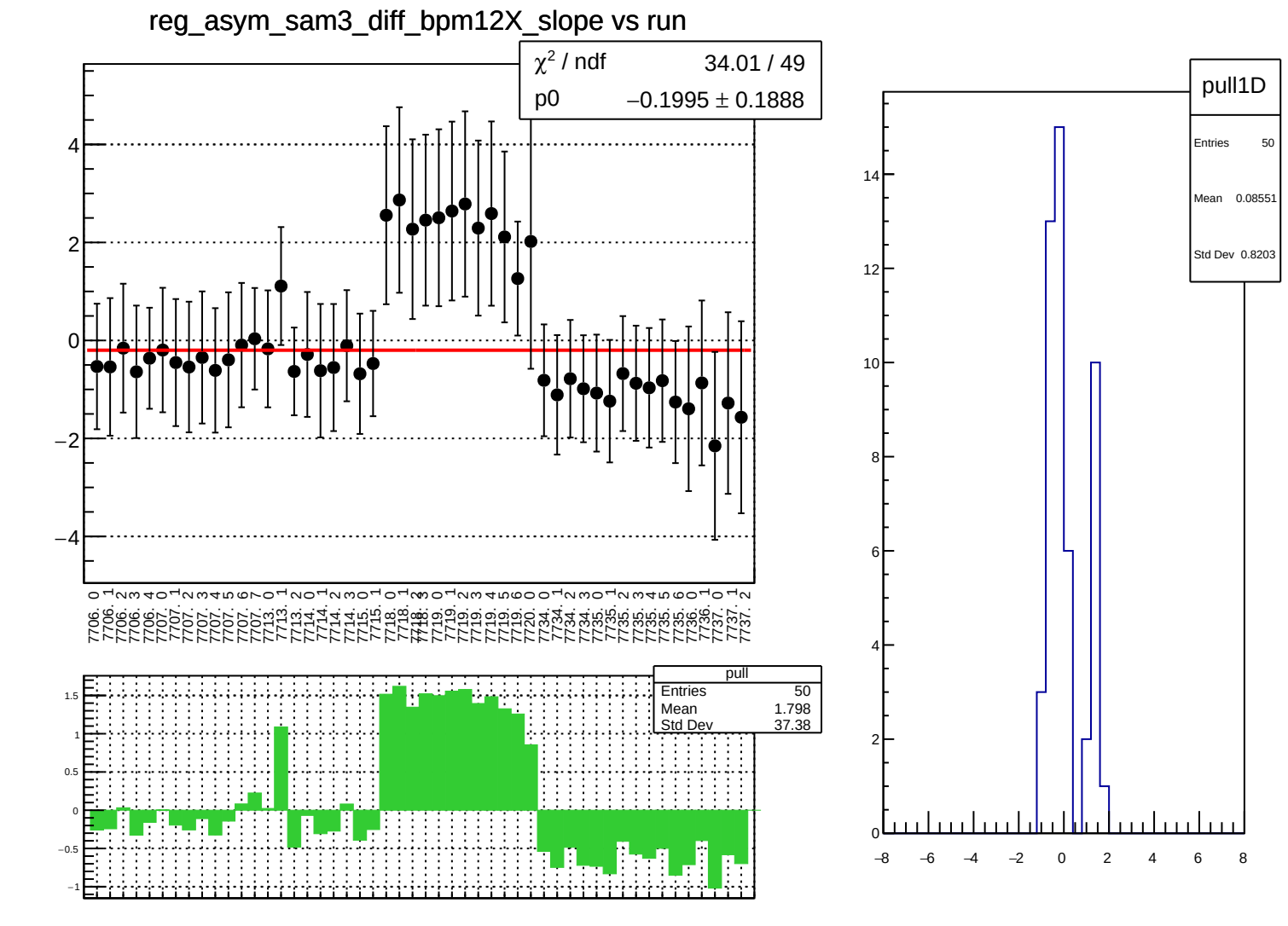

pull1D
Entries 50
Mean 0.09565
Std Dev 0.2855

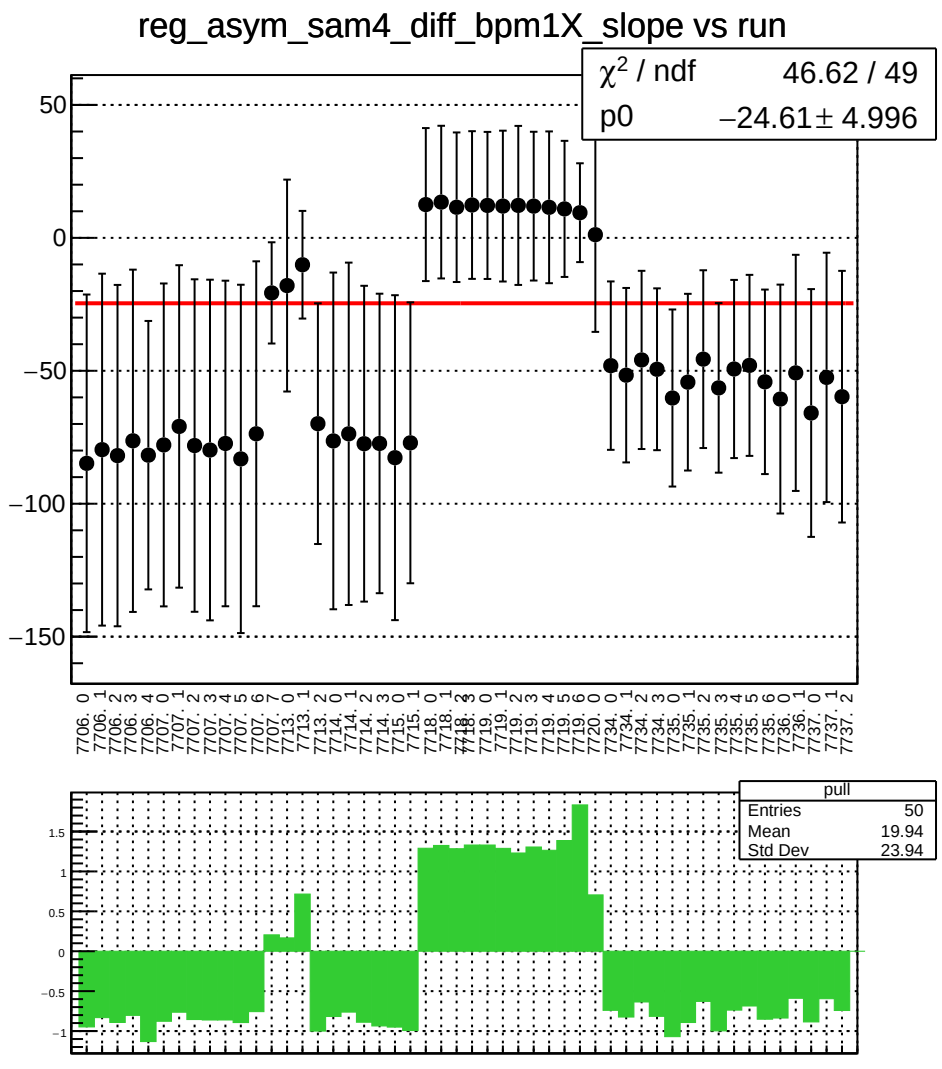

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 64.16 / 49
p0 −82.13 ± 2.287
pull
Entries 50
Mean 14.46
Std Dev 18.04

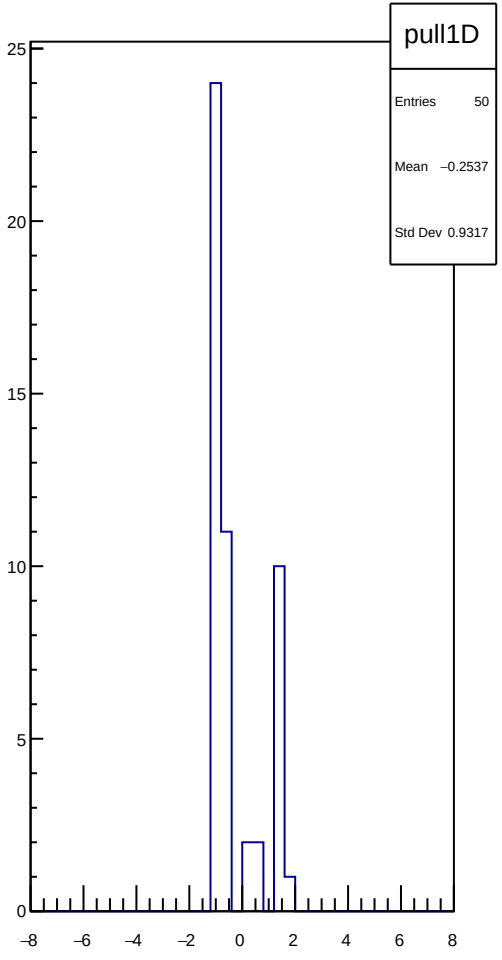

pull1D
Entries 50
Mean 0.4071
Std Dev 1.057

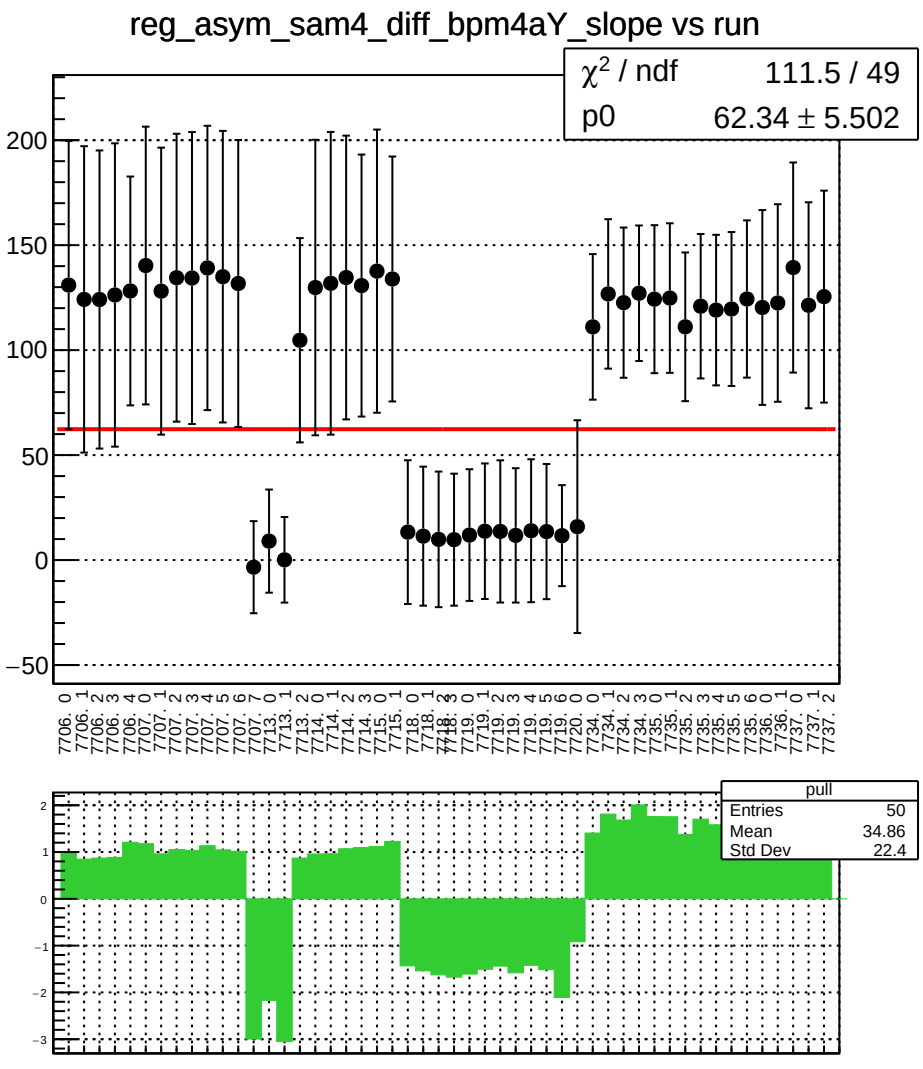

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.367 / 49
p0 18.86 ± 4.523
pull
Entries 50
Mean 28.88
Std Dev 21.14

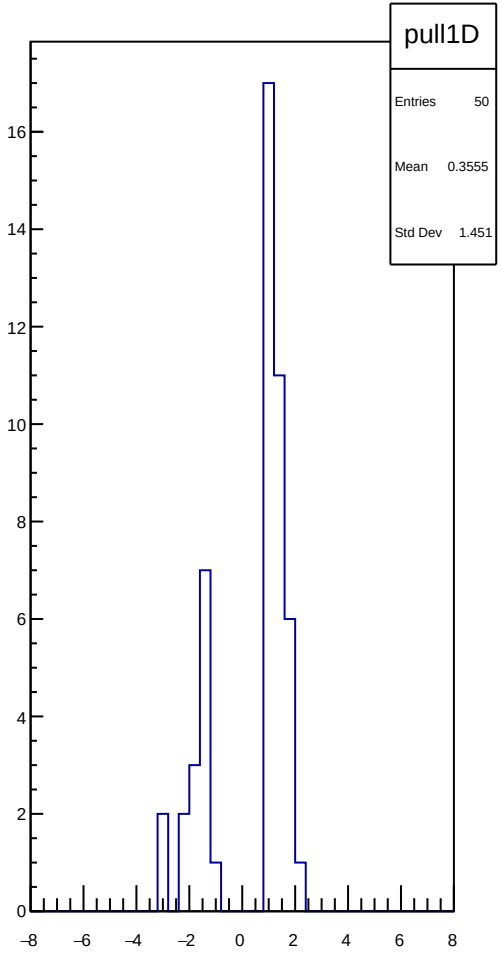

pull1D
Entries 50
Mean −0.0817
Std Dev 0.284

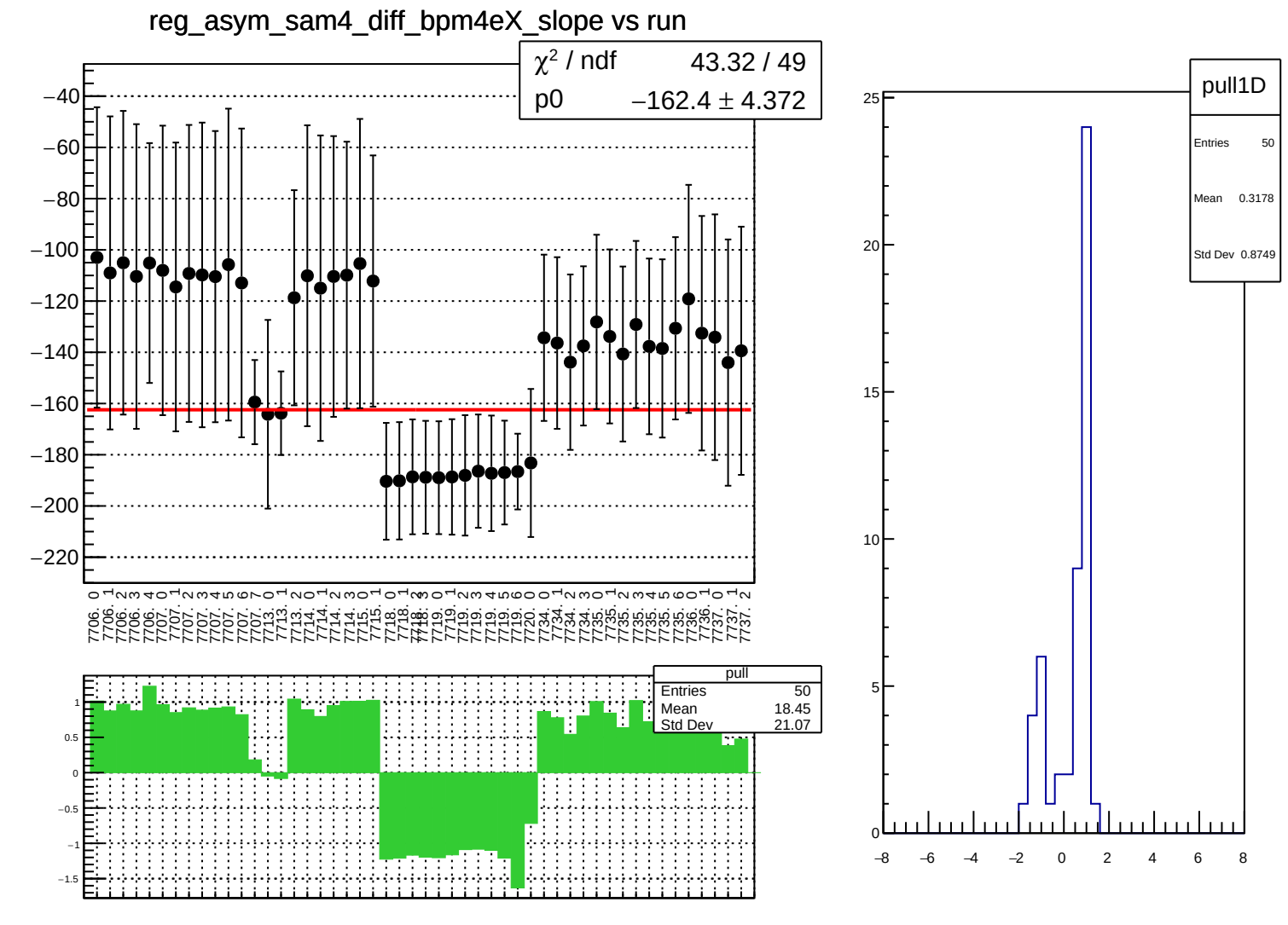

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 34.01 / 49
p0 −0.1995 ± 0.1888
pull
Entries 50
Mean 1.798
Std Dev 37.38
pull1D
Entries 50
Mean 0.08551
Std Dev 0.8203

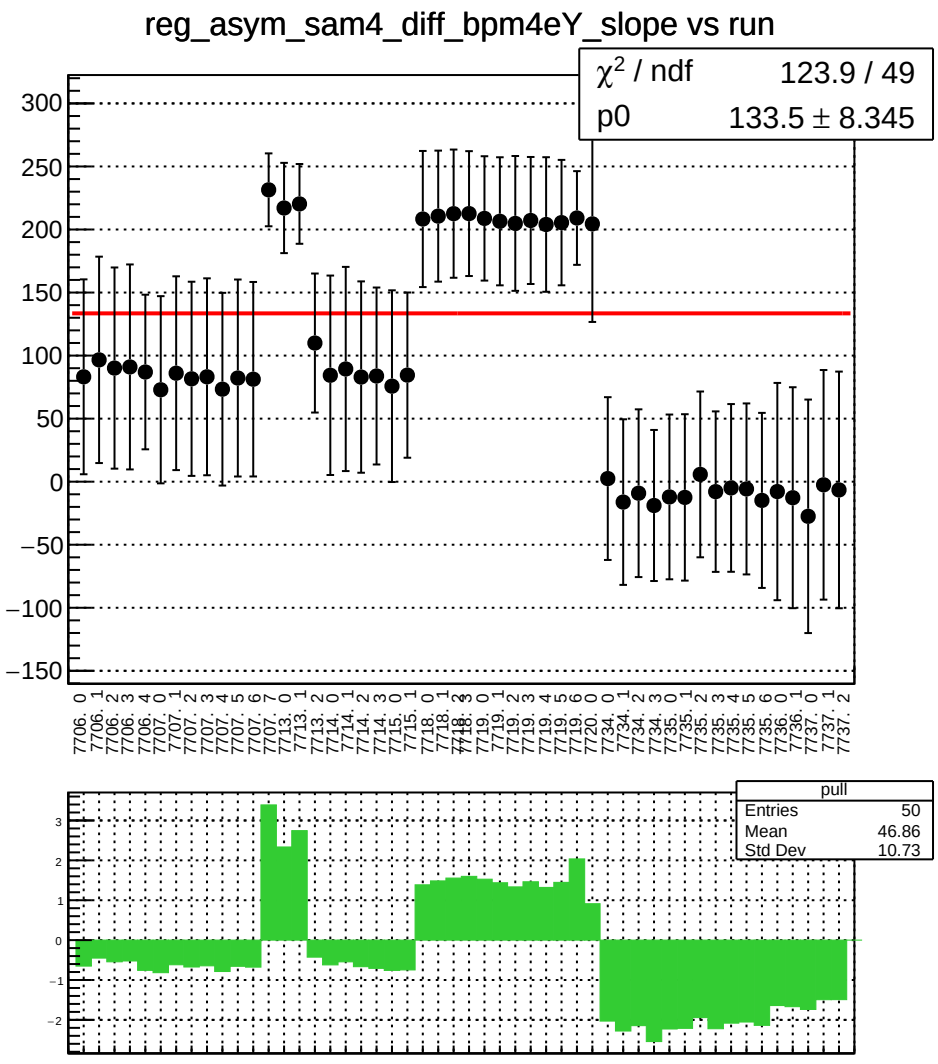

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 46.62 / 49
p0 −24.61 ± 4.996
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 19.94
Std Dev 23.94
1.5
1
0.5
0
−0.5
−1

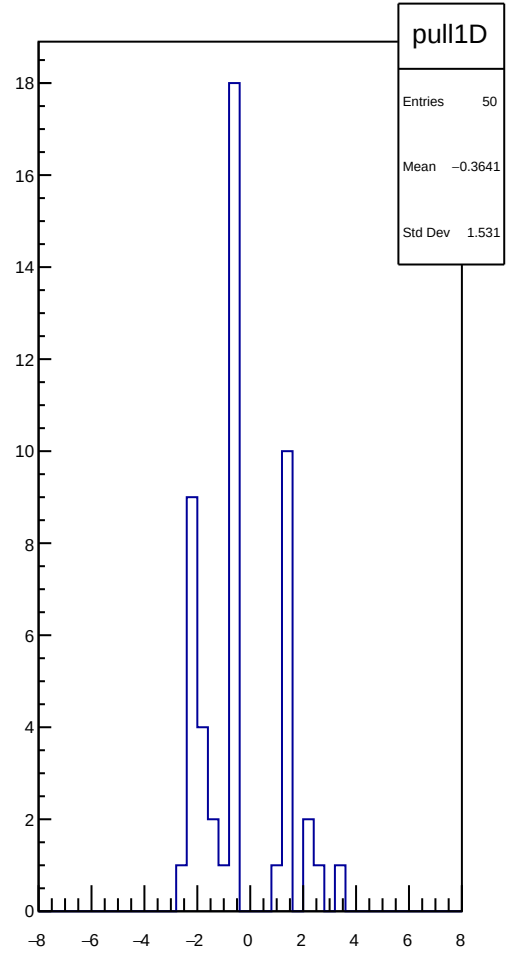

pull1D
Entries 50
Mean −0.2537
Std Dev 0.9317
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

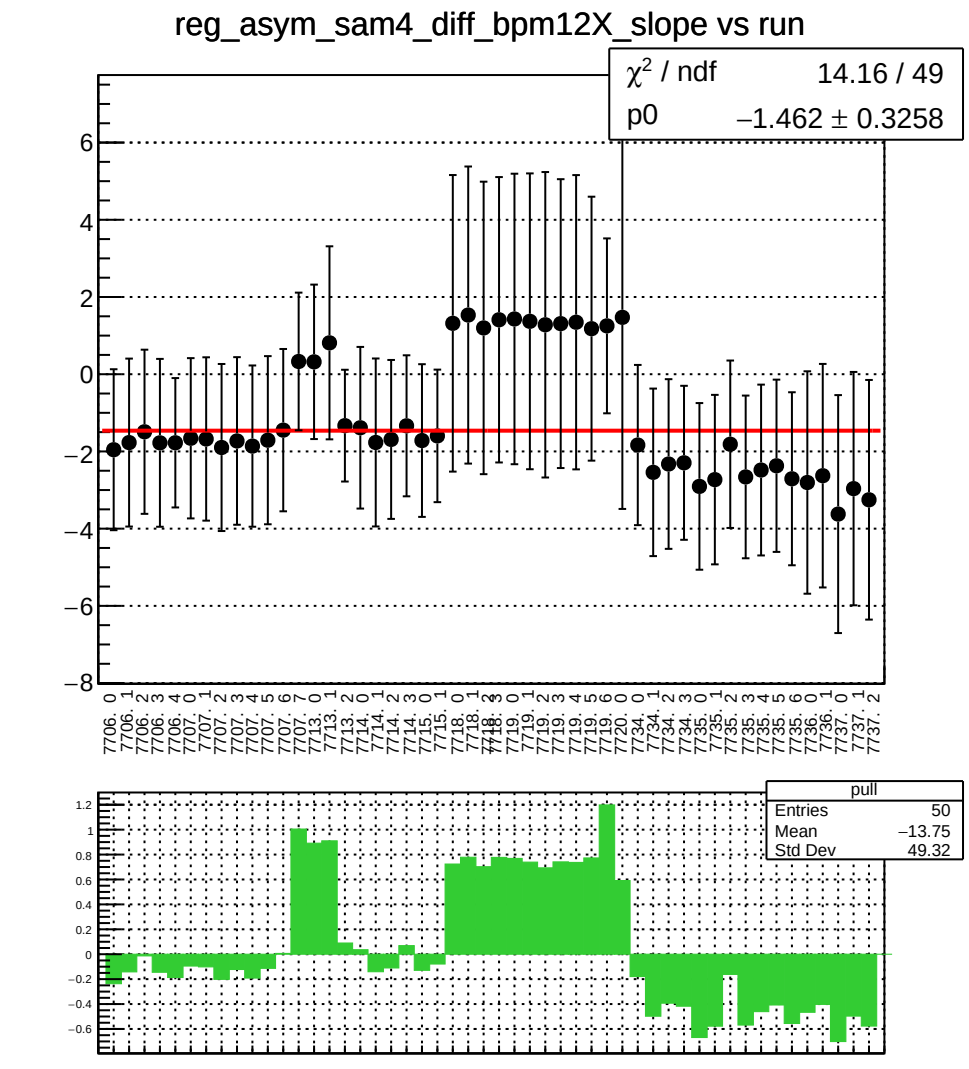

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 111.5 / 49
p0 62.34 ± 5.502
200
150
100
50
0
−50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 34.86
Std Dev 22.4
2
1
0
−1
−2
−3

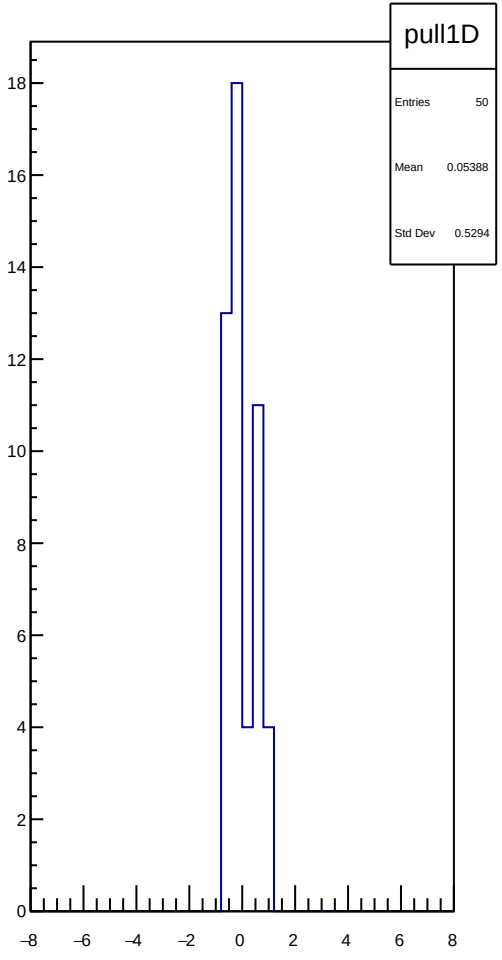

pull1D
Entries 50
Mean 0.3555
Std Dev 1.451
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

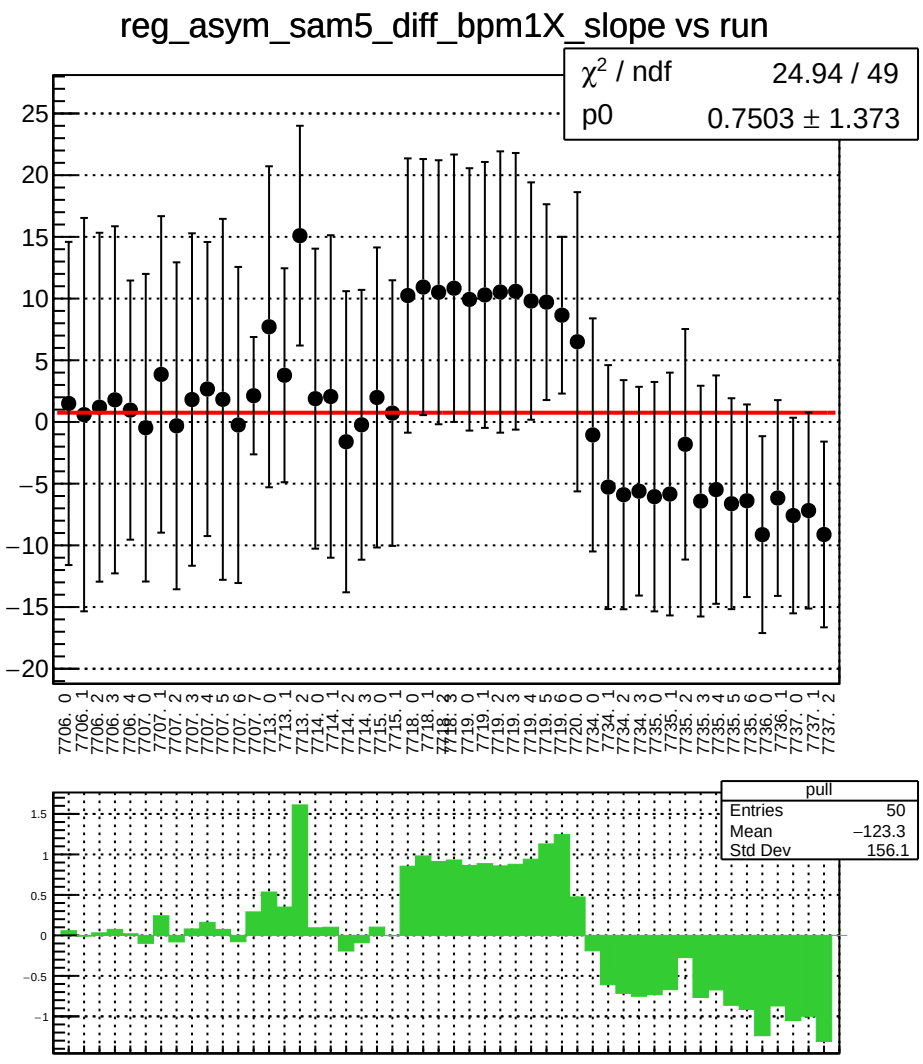

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 43.32 / 49
p0 −162.4 ± 4.372
pull
Entries 50
Mean 18.45
Std Dev 21.07
pull1D
Entries 50
Mean 0.3178
Std Dev 0.8749

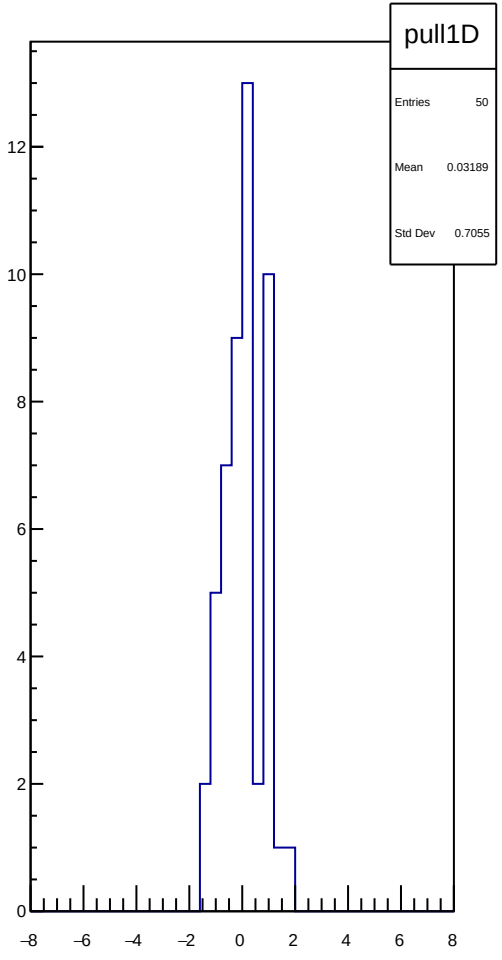

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 123.9 / 49
p0 133.5 ± 8.345
pull
Entries 50
Mean 46.86
Std Dev 10.73

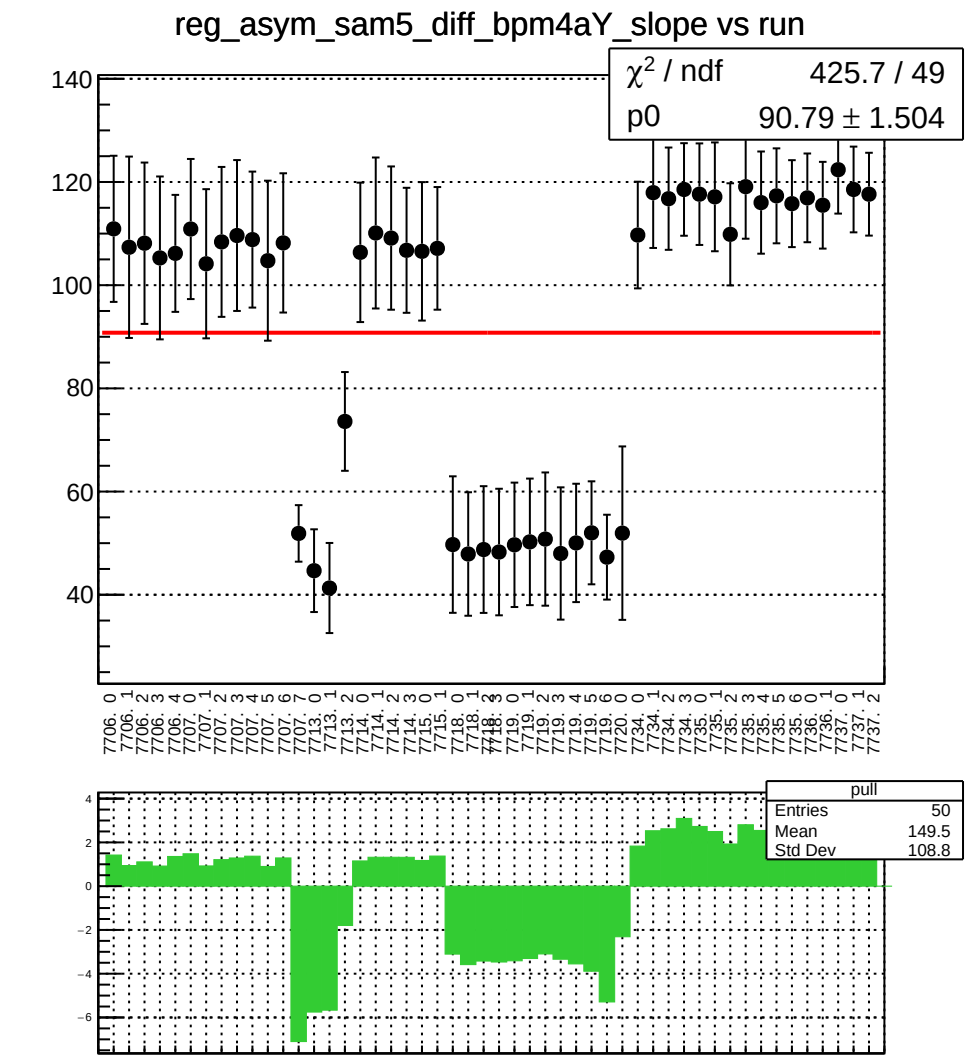

pull1D
Entries 50
Mean −0.3641
Std Dev 1.531

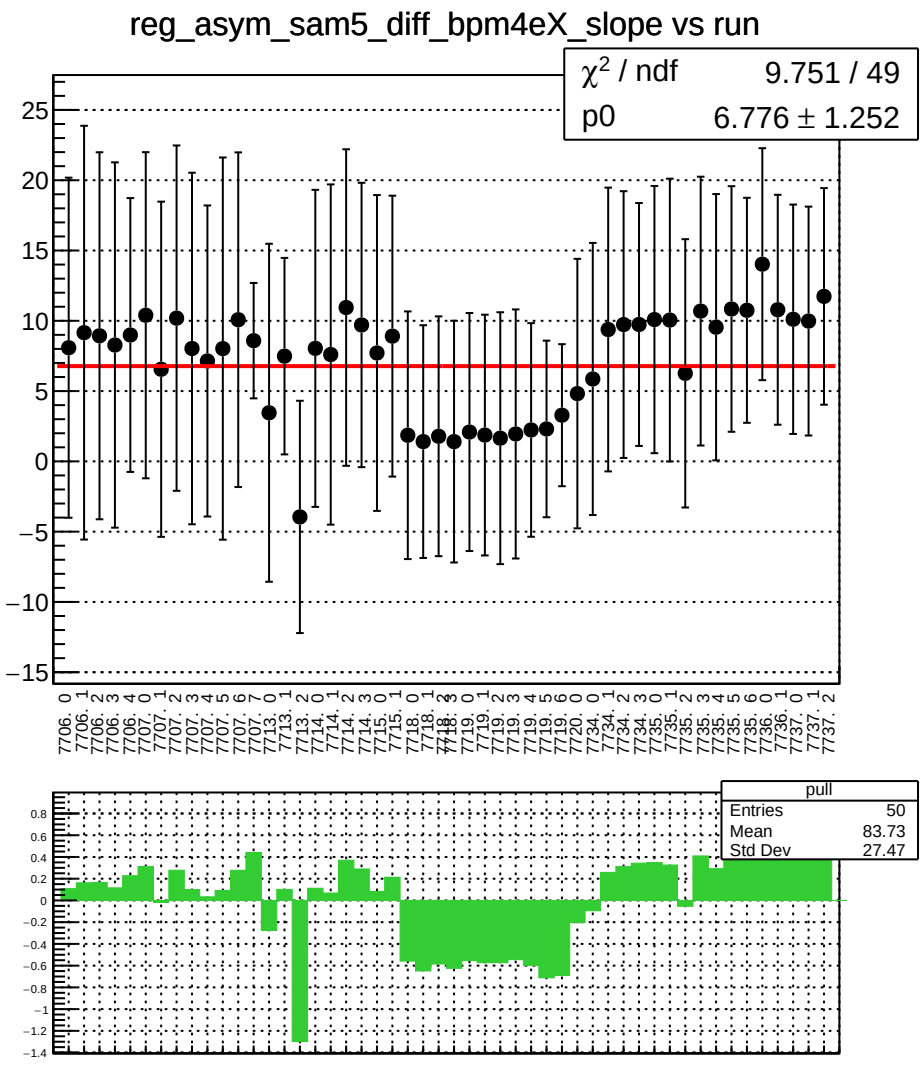

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 14.16 / 49
p0 −1.462 ± 0.3258
pull
Entries 50
Mean −13.75
Std Dev 49.32

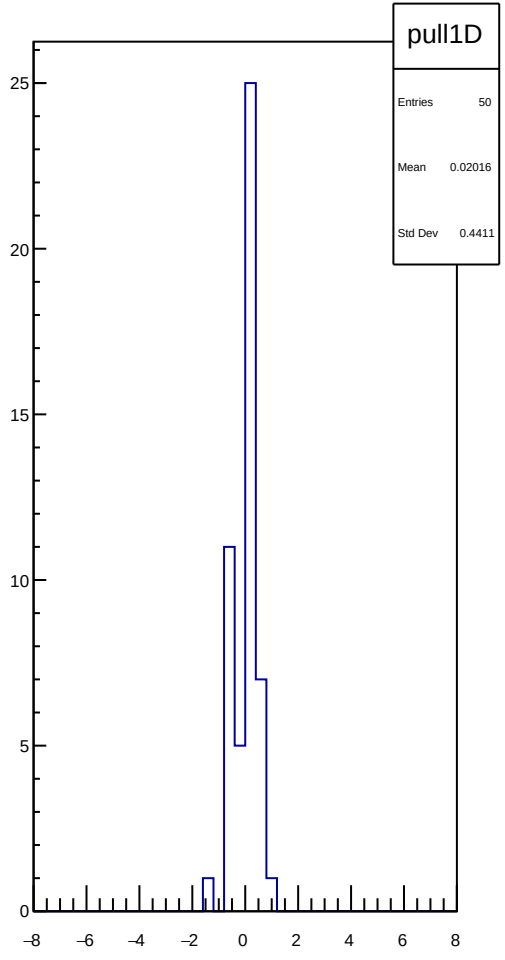

pull1D
Entries 50
Mean 0.05388
Std Dev 0.5294

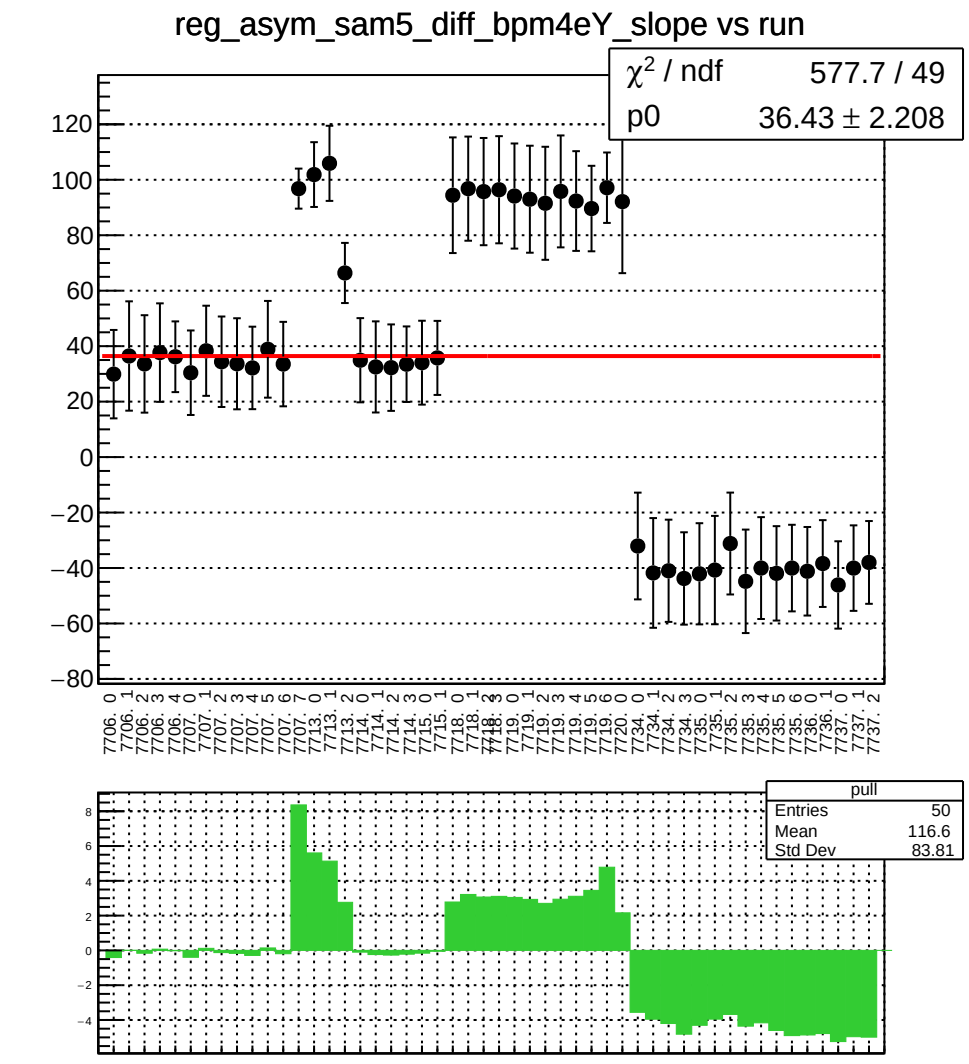

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 24.94 / 49
p0 0.7503 ± 1.373
pull
Entries 50
Mean −123.3
Std Dev 156.1

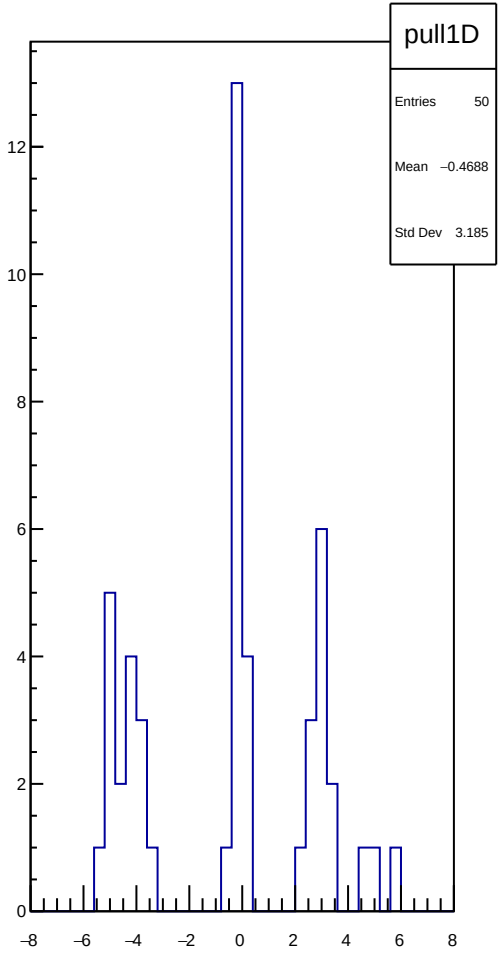

pull1D
Entries 50
Mean 0.03189
Std Dev 0.7055

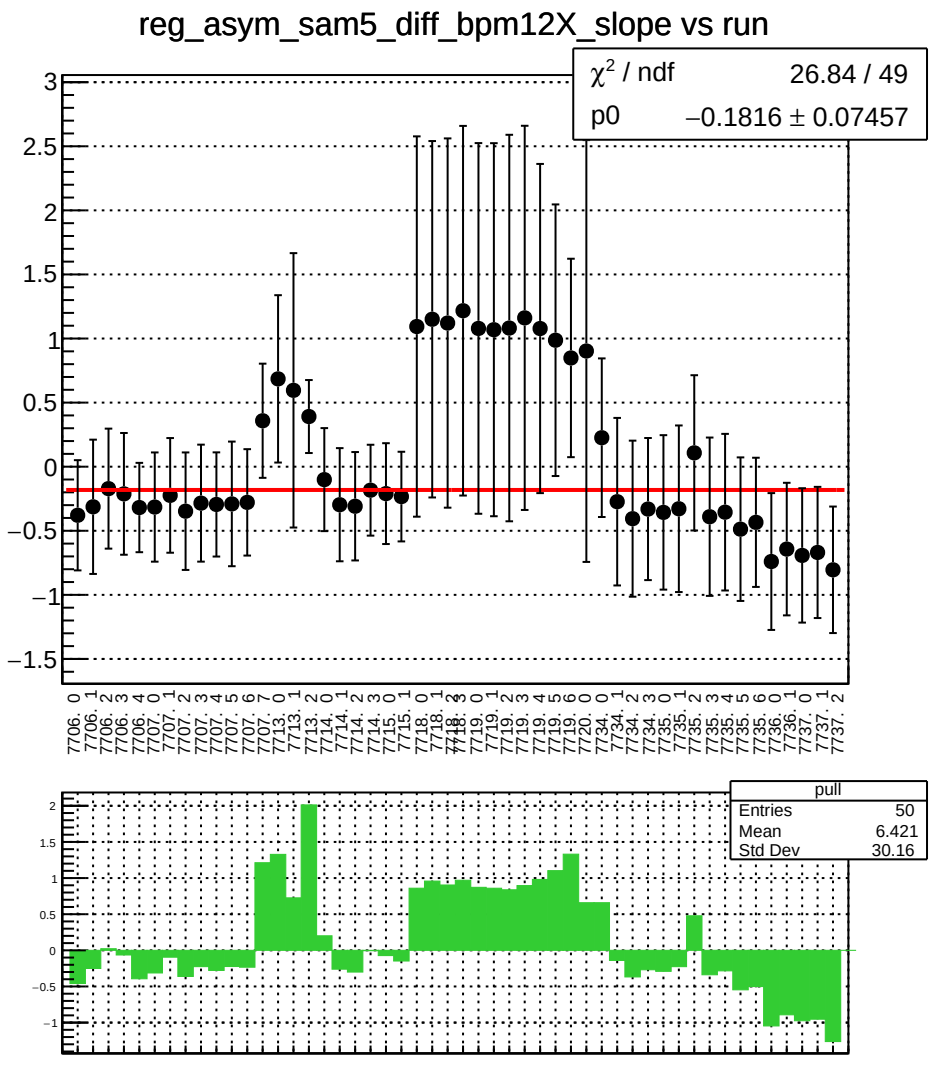

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 425.7 / 49
p0 90.79 ± 1.504
140
120
100
80
60
40
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 149.5
Std Dev 108.8
4
2
0
−2
−4
−6
pull1D
Entries 50
Mean 0.09211
Std Dev 2.916
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

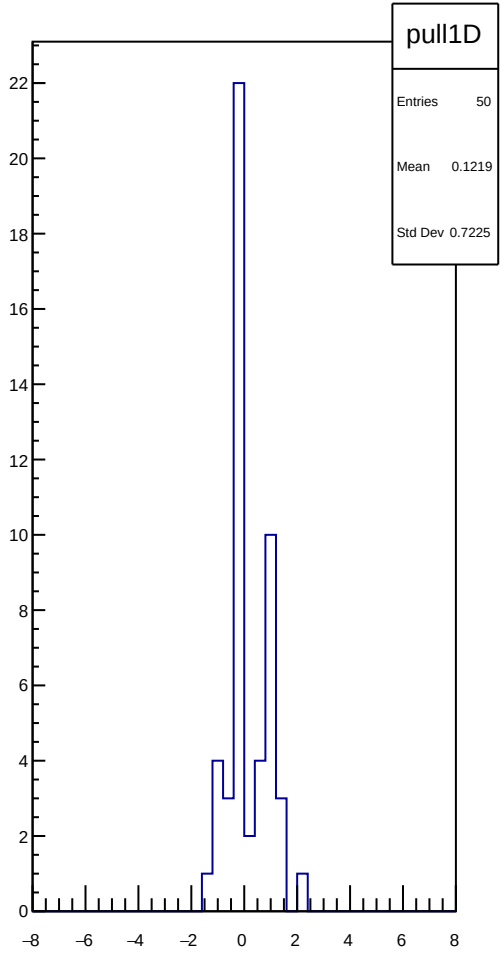

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 9.751 / 49
p0 6.776 ± 1.252
pull
Entries 50
Mean 83.73
Std Dev 27.47

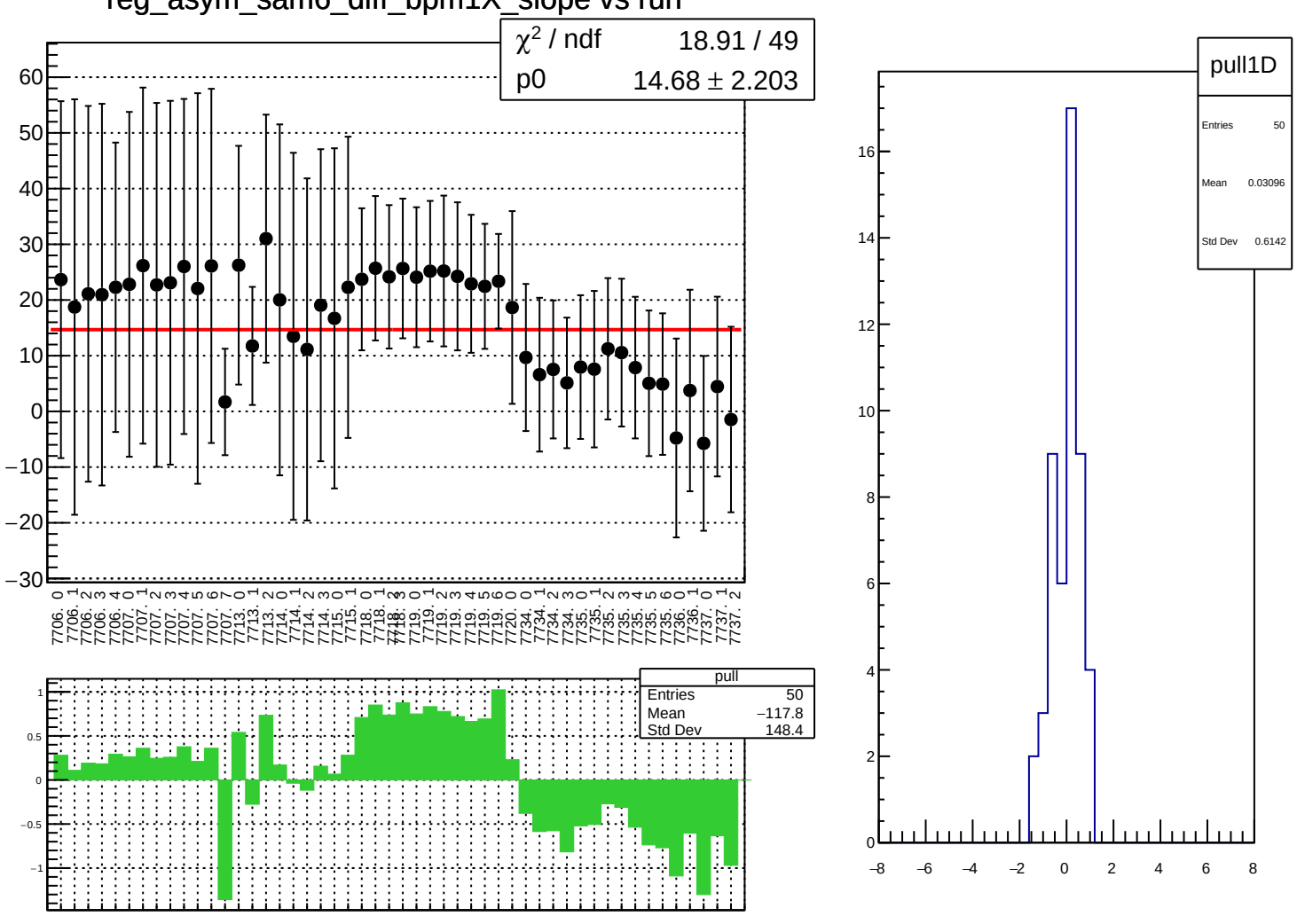

pull1D
Entries 50
Mean 0.02016
Std Dev 0.4411

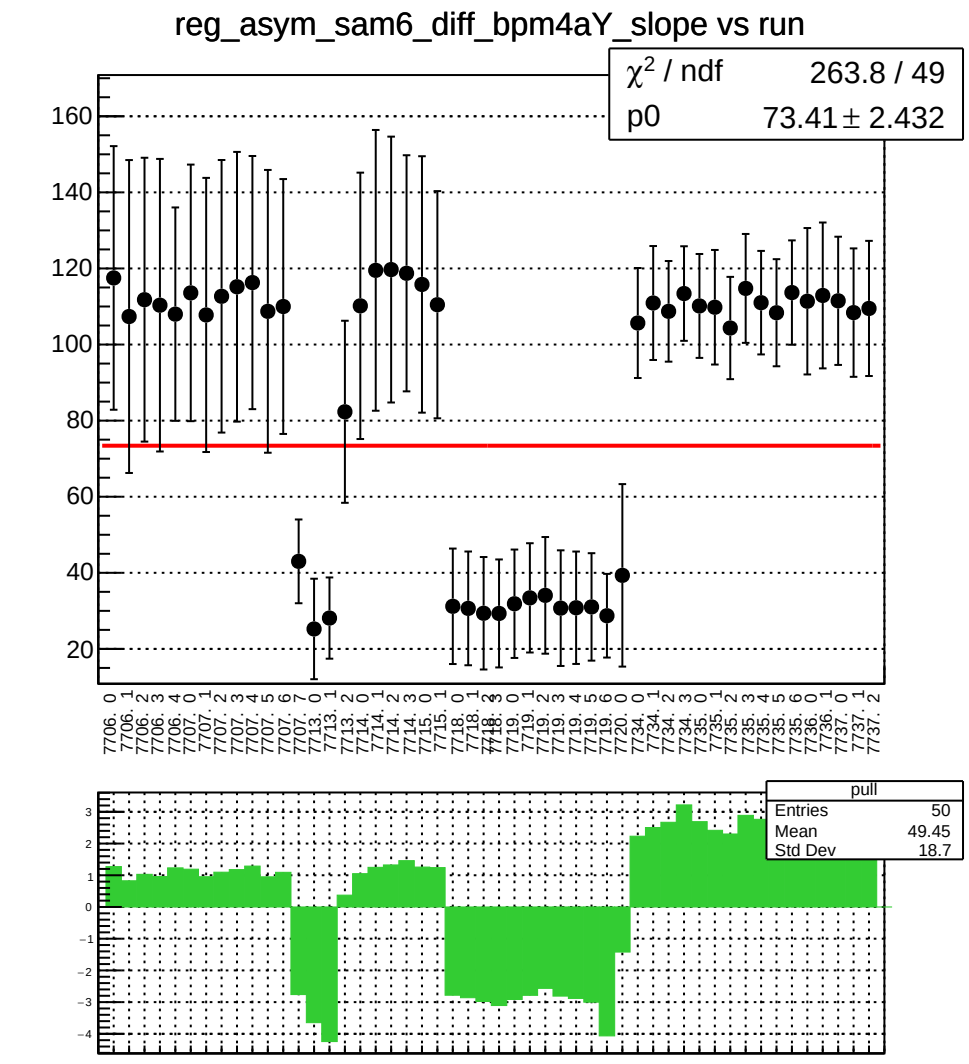

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 577.7 / 49
p0 36.43 ± 2.208
pull
Entries 50
Mean 116.6
Std Dev 83.81

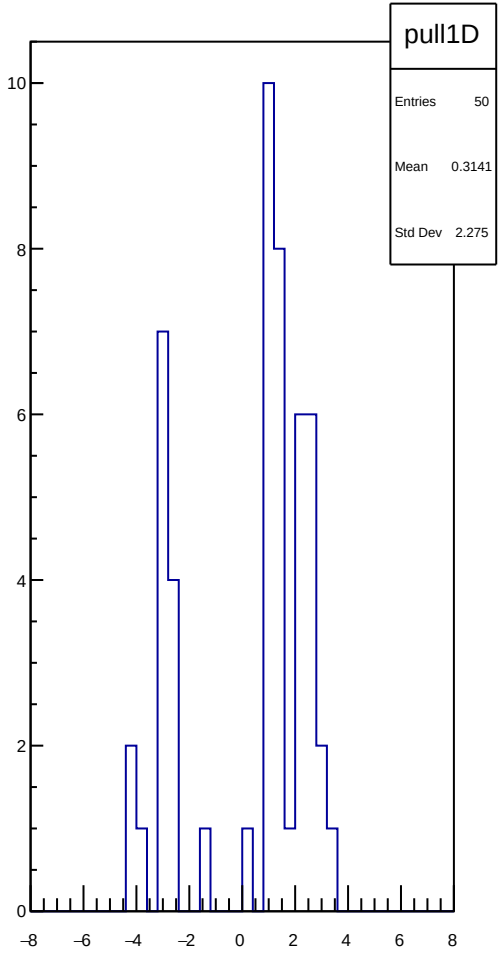

pull1D
Entries 50
Mean −0.4688
Std Dev 3.185

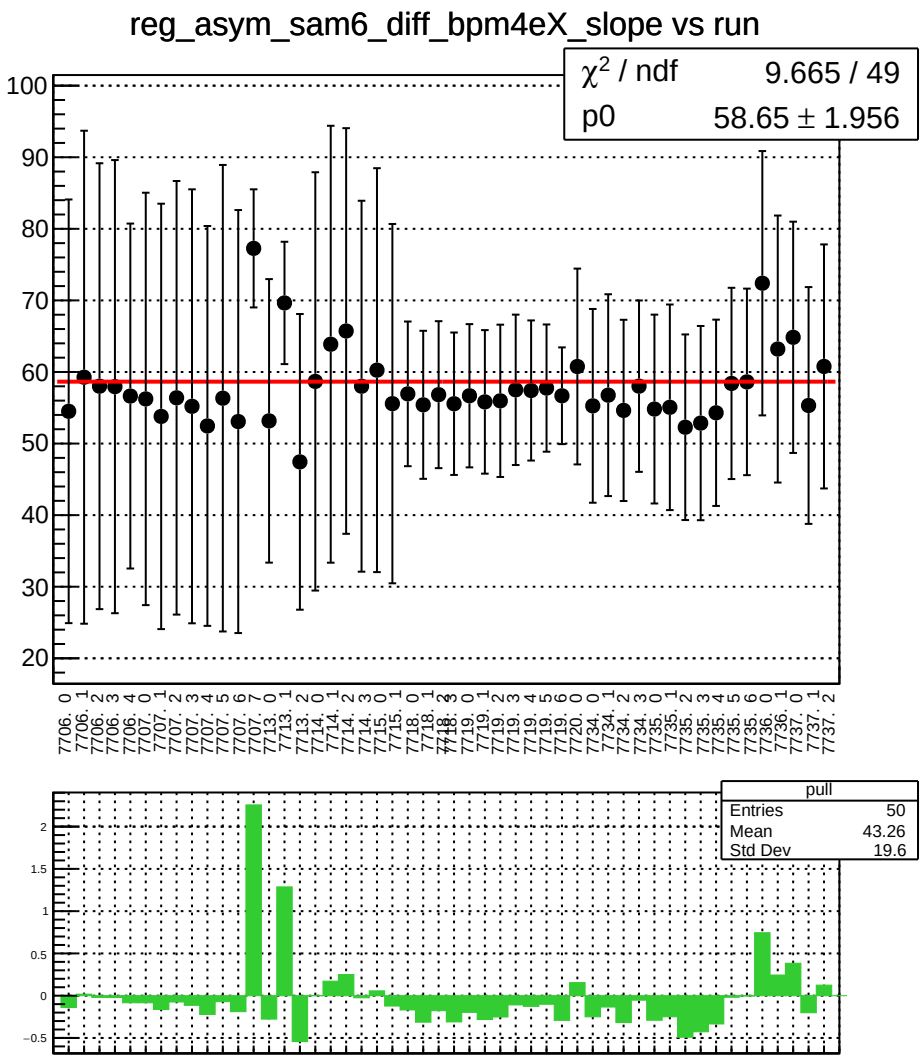

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 26.84 / 49
p0 −0.1816 ± 0.07457
pull
Entries 50
Mean 6.421
Std Dev 30.16

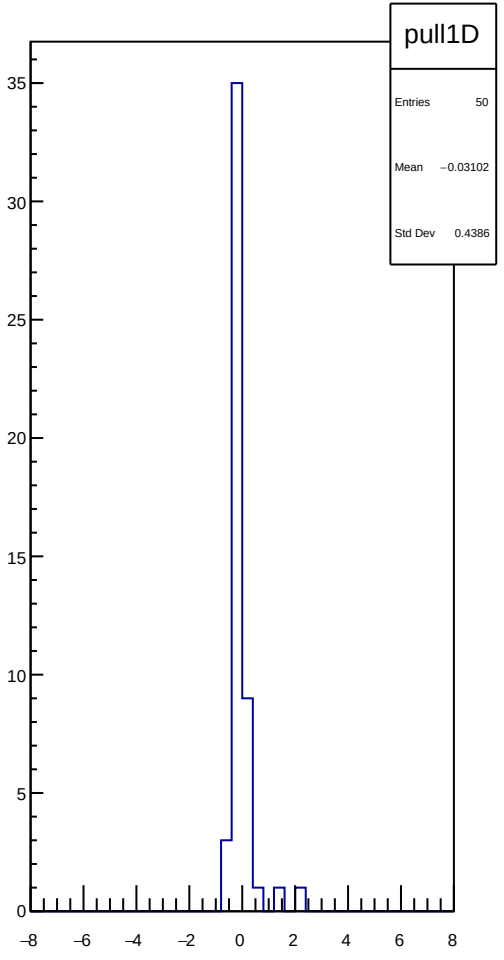

pull1D
Entries 50
Mean 0.1219
Std Dev 0.7225

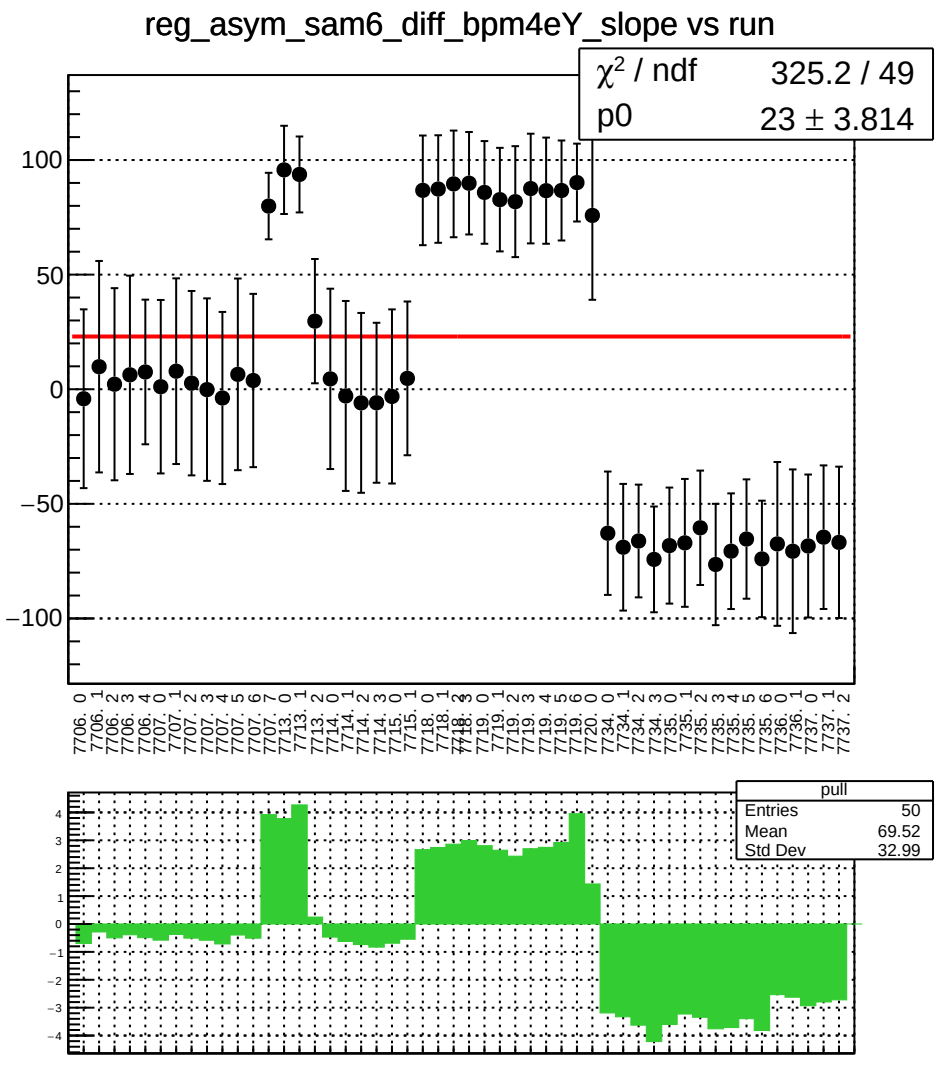

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 18.91 / 49
p0 14.68 ± 2.203
pull
Entries 50
Mean −117.8
Std Dev 148.4
pull1D
Entries 50
Mean 0.03096
Std Dev 0.6142

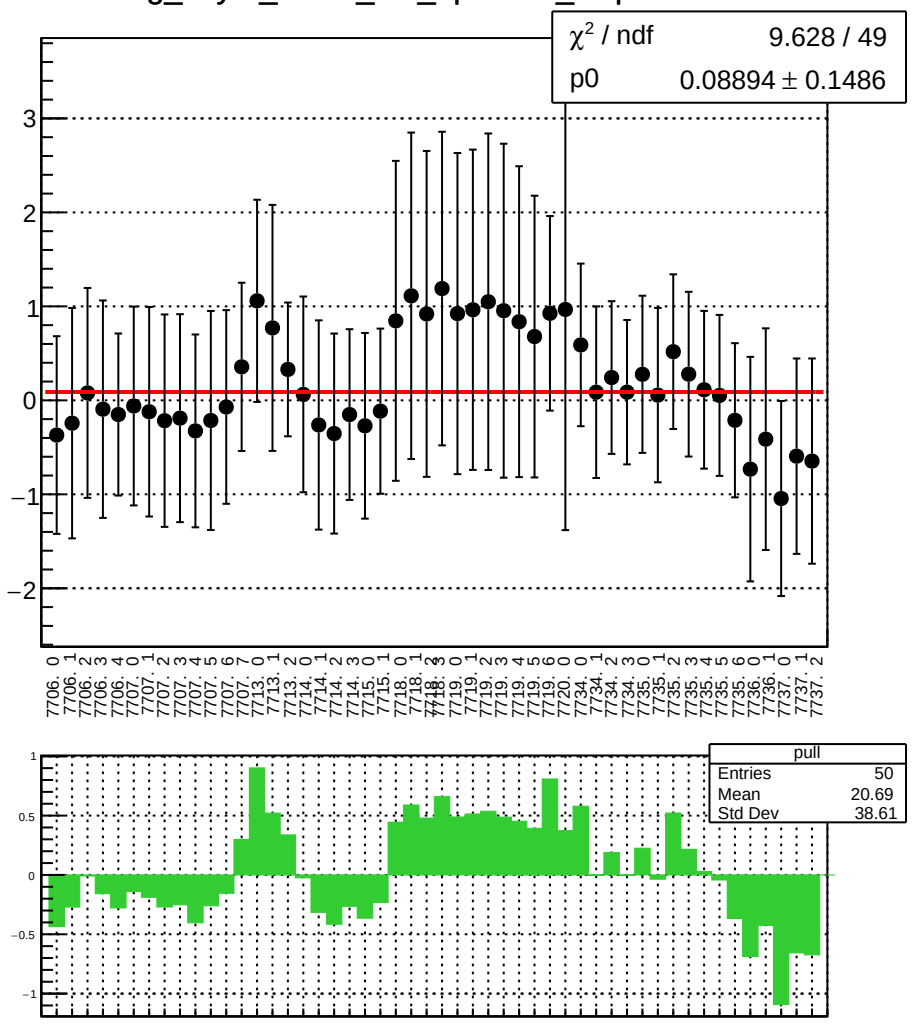

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 263.8 / 49
p0 73.41 ± 2.432
pull
Entries 50
Mean 49.45
Std Dev 18.7

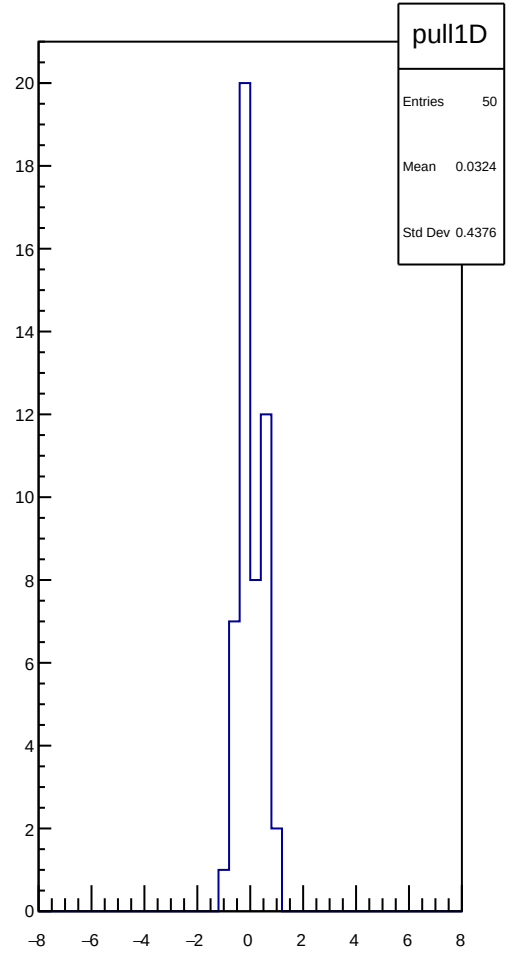

pull1D
Entries 50
Mean 0.3141
Std Dev 2.275

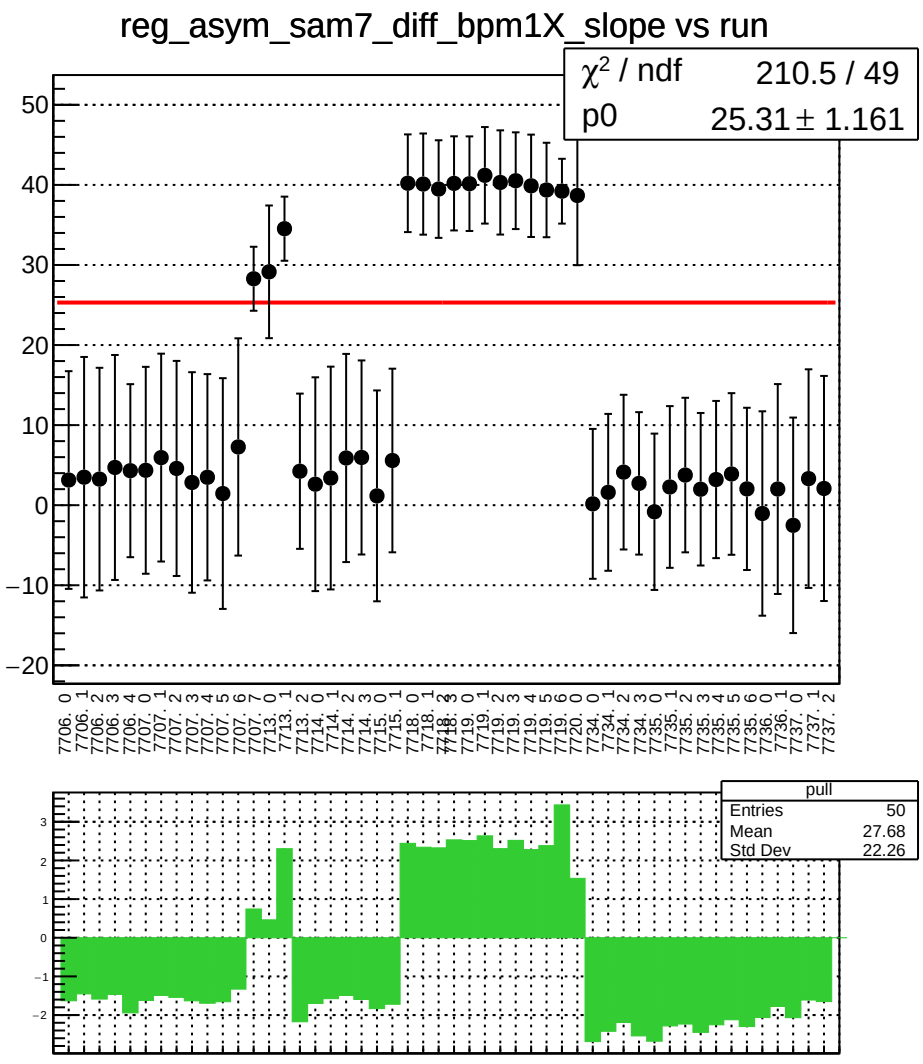

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 9.665 / 49
p0 58.65 ± 1.956
pull
Entries 50
Mean 43.26
Std Dev 19.6

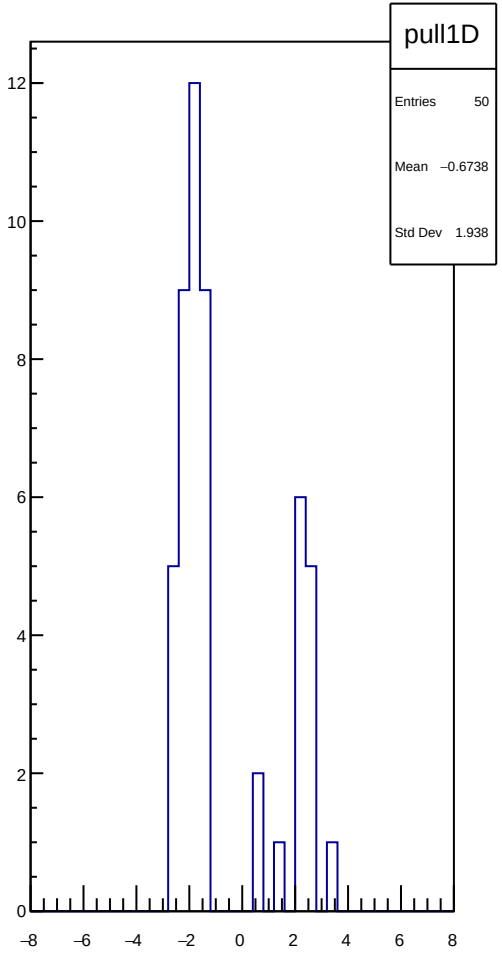

pull1D
Entries 50
Mean −0.03102
Std Dev 0.4386

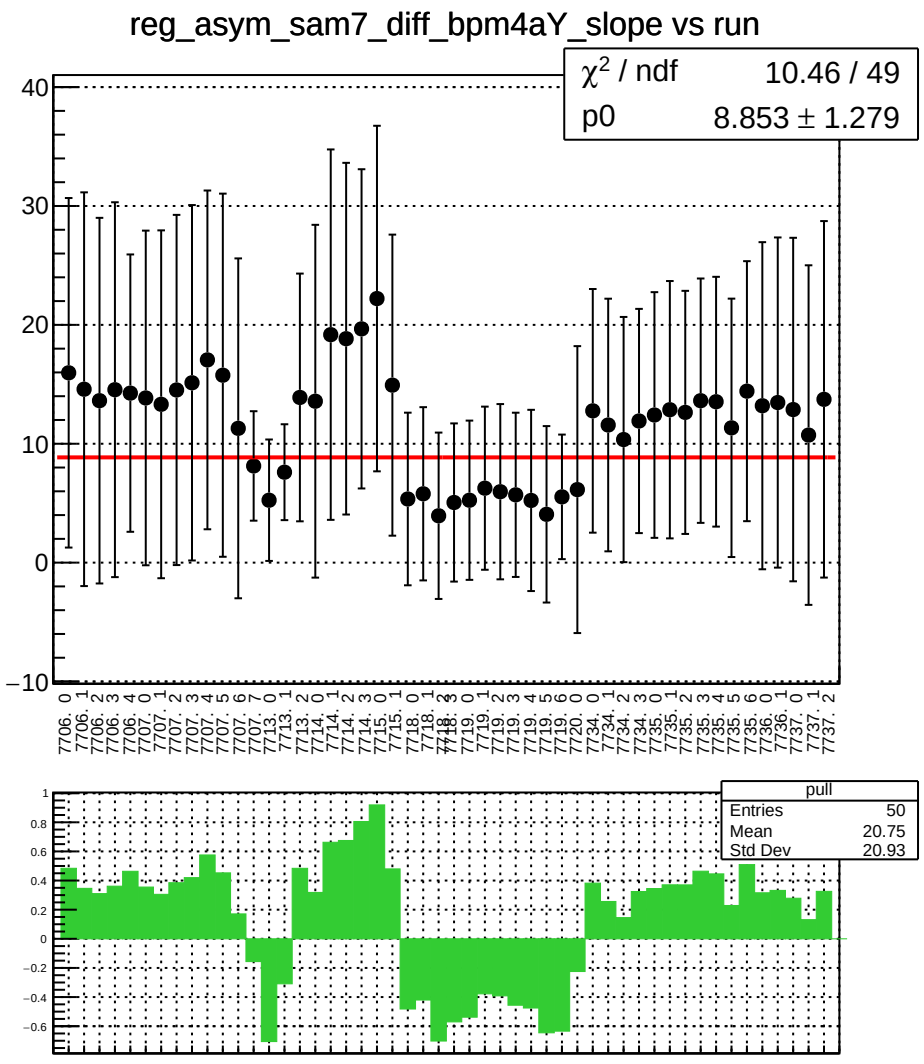

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 325.2 / 49
p0 23 ± 3.814
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 69.52
Std Dev 32.99
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 50
Mean −0.3522
Std Dev 2.526
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

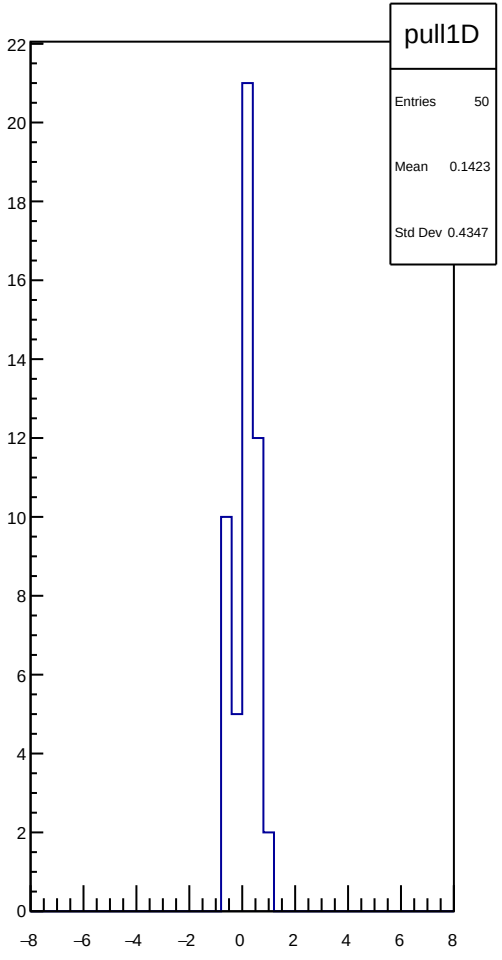

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 9.628 / 49
p0 0.08894 ± 0.1486
pull
Entries 50
Mean 20.69
Std Dev 38.61

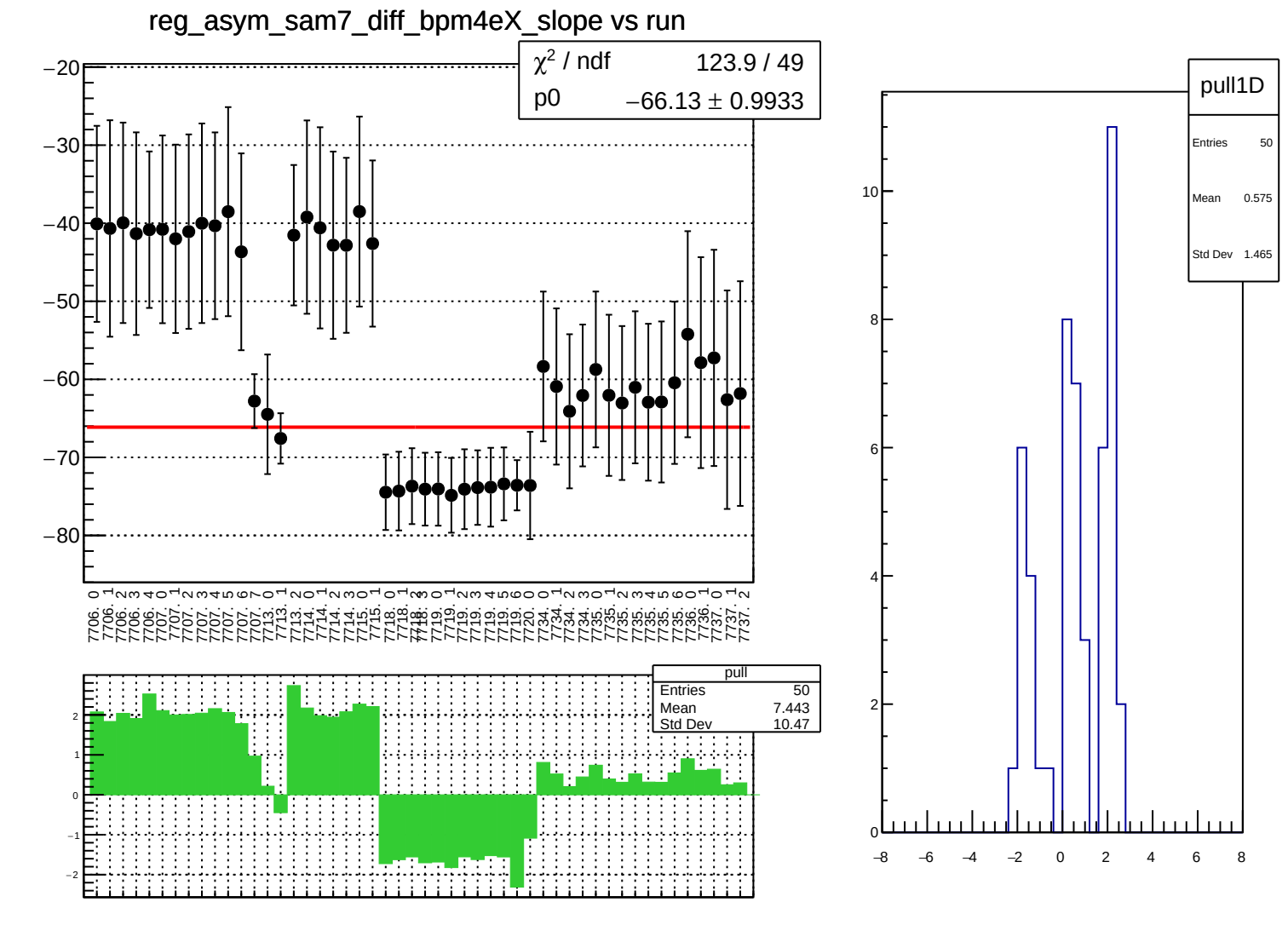

pull1D
Entries 50
Mean 0.0324
Std Dev 0.4376

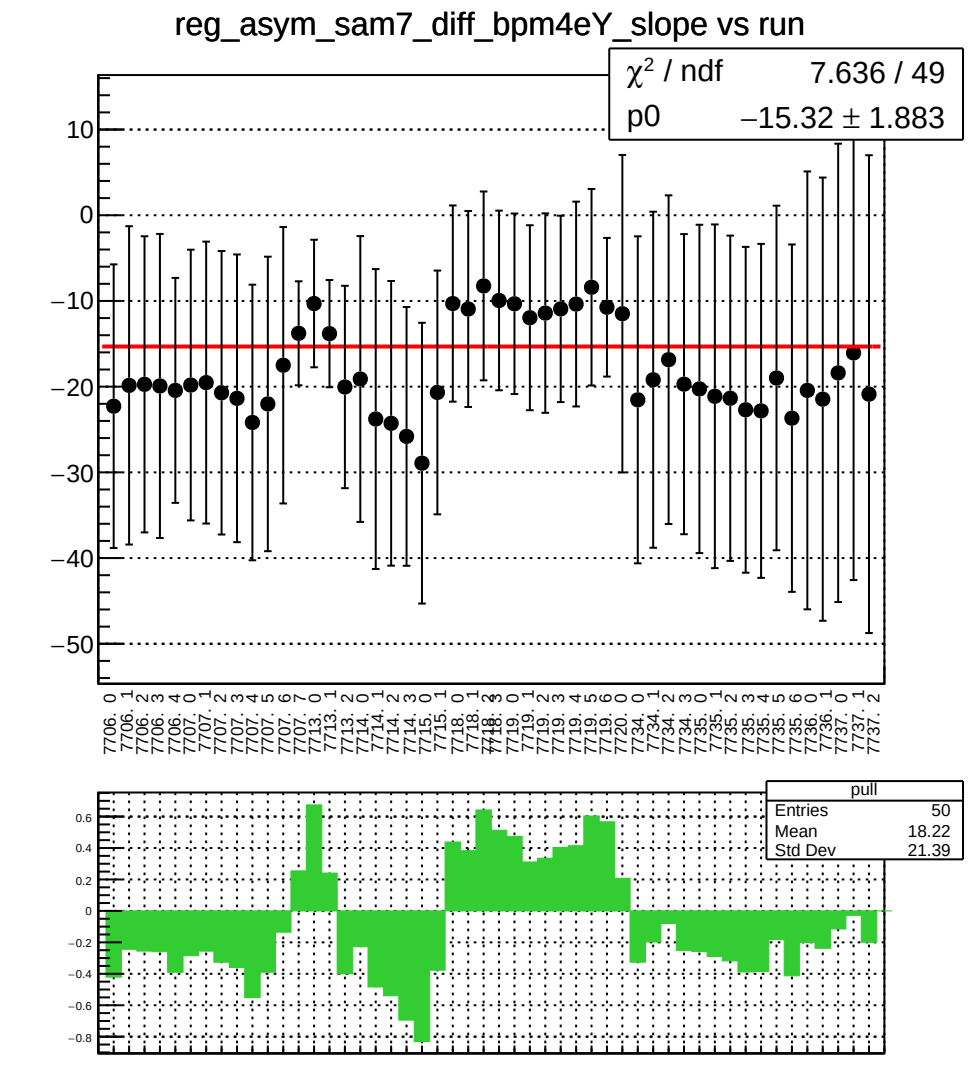

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 210.5 / 49
p0 25.31 ± 1.161
pull
Entries 50
Mean 27.68
Std Dev 22.26

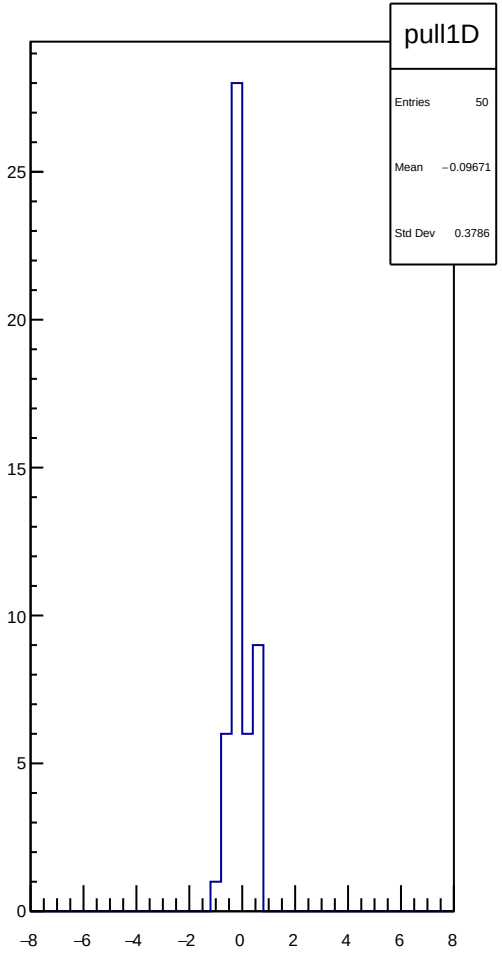

pull1D
Entries 50
Mean −0.6738
Std Dev 1.938

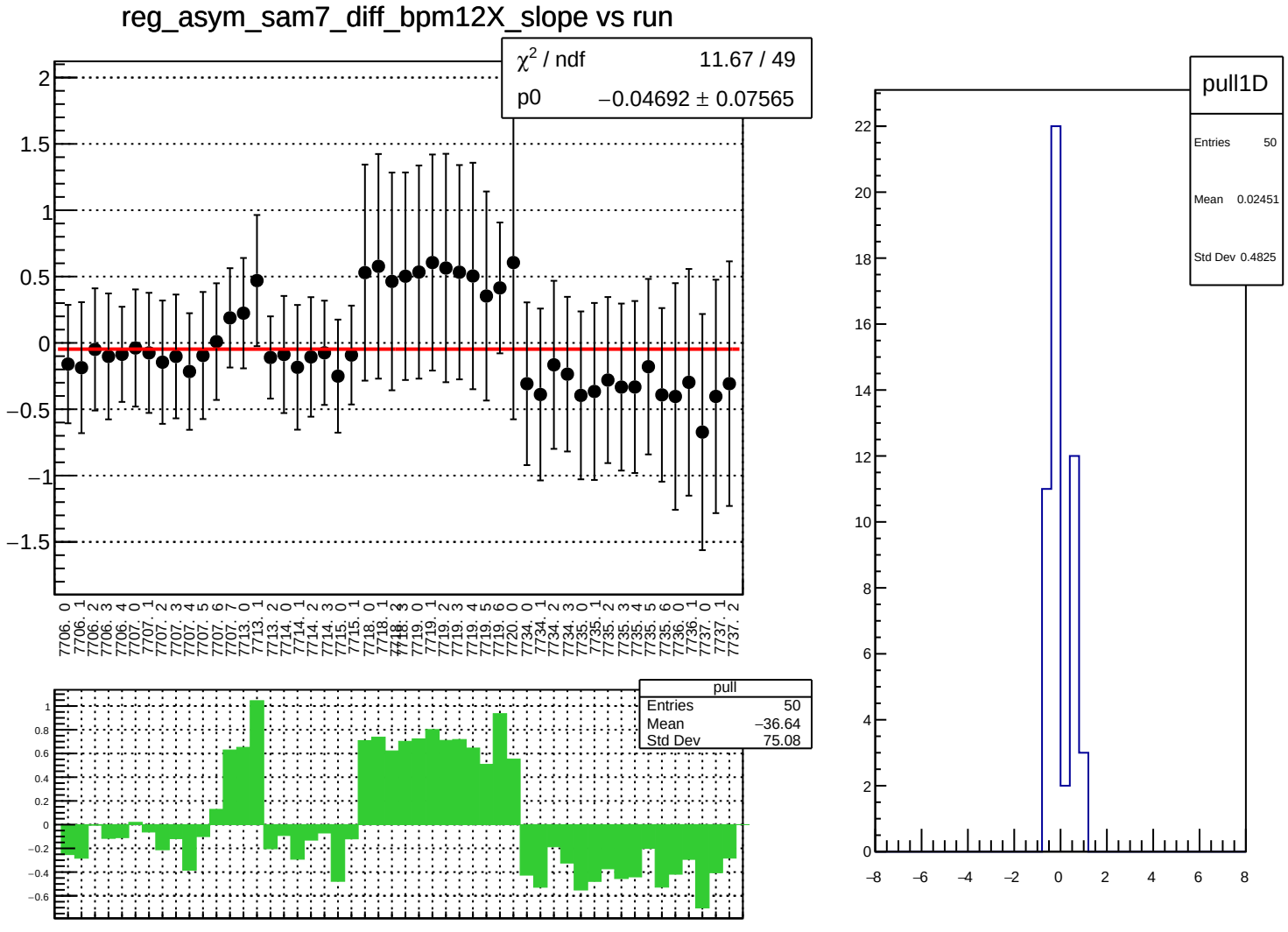

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 10.46 / 49
p0 8.853 ± 1.279
pull
Entries 50
Mean 20.75
Std Dev 20.93

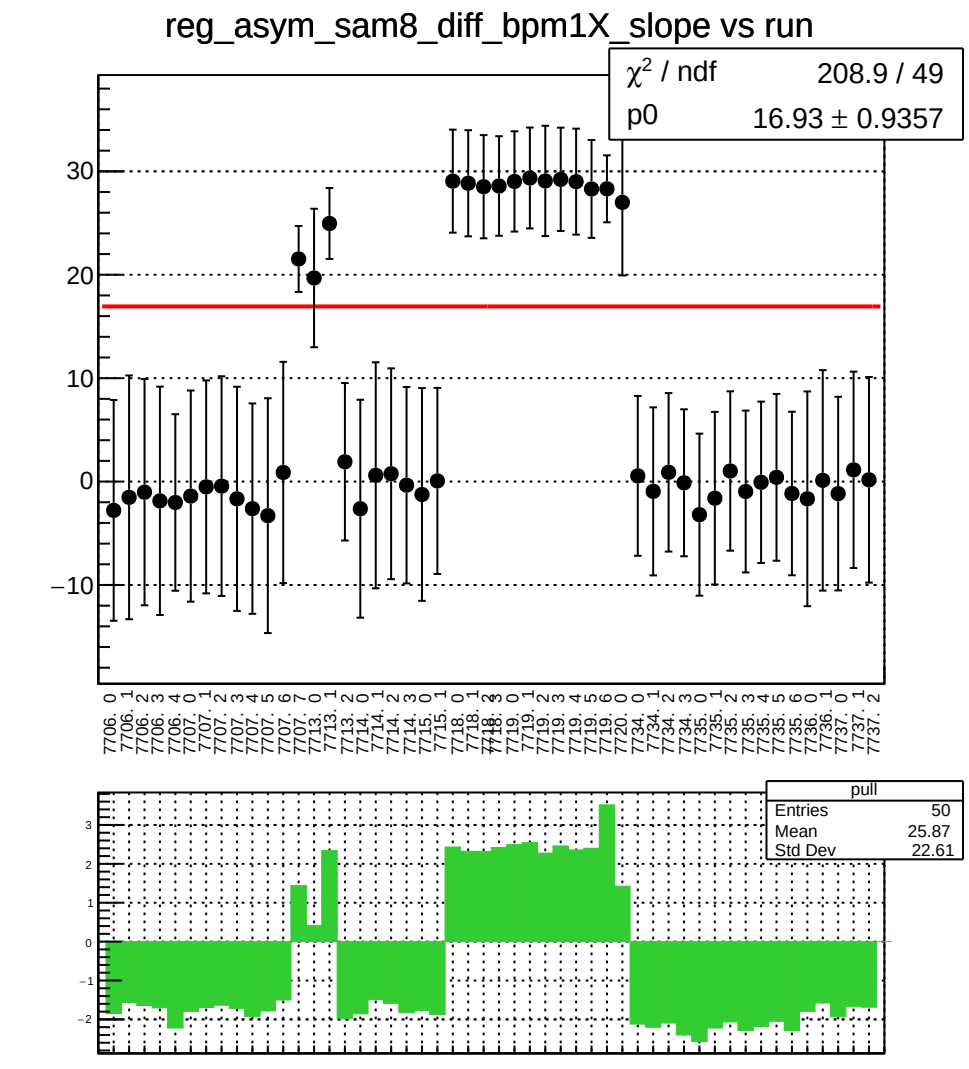

pull1D
Entries 50
Mean 0.1423
Std Dev 0.4347

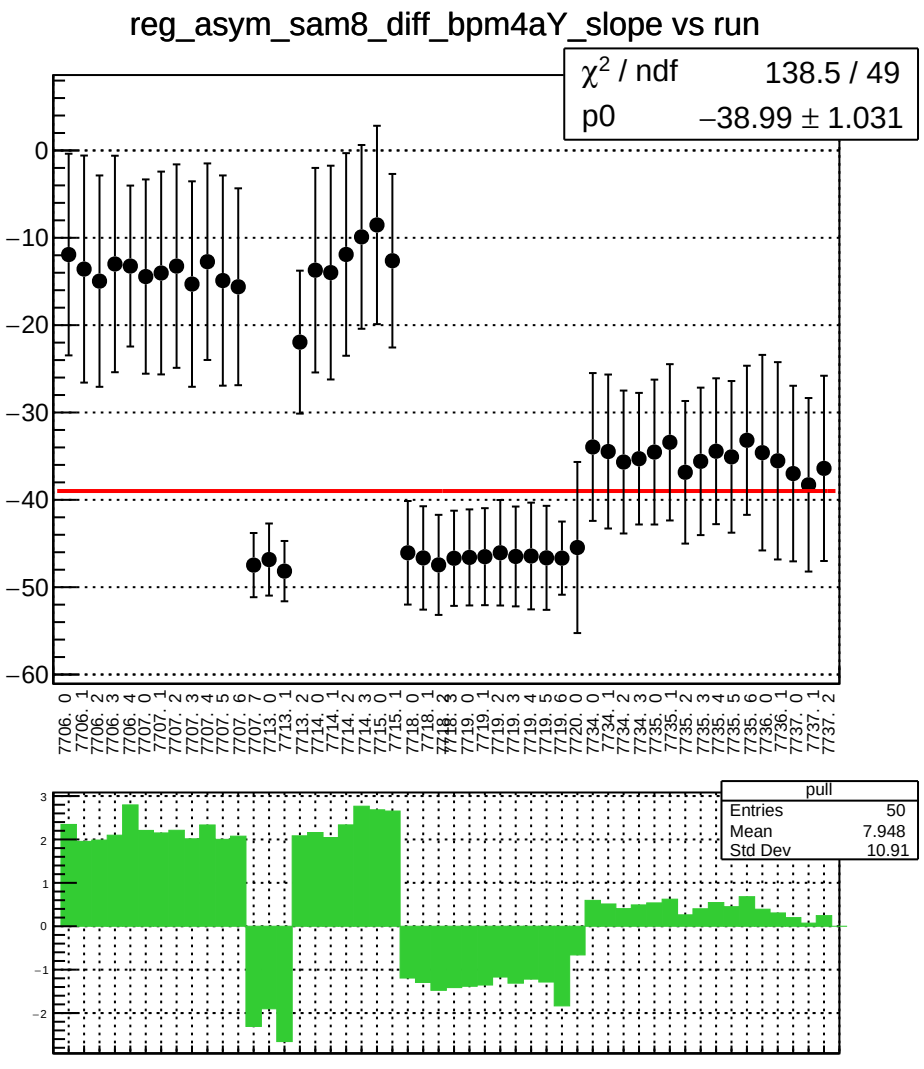

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 123.9 / 49
p0 −66.13 ± 0.9933
pull
Entries 50
Mean 7.443
Std Dev 10.47
pull1D
Entries 50
Mean 0.575
Std Dev 1.465

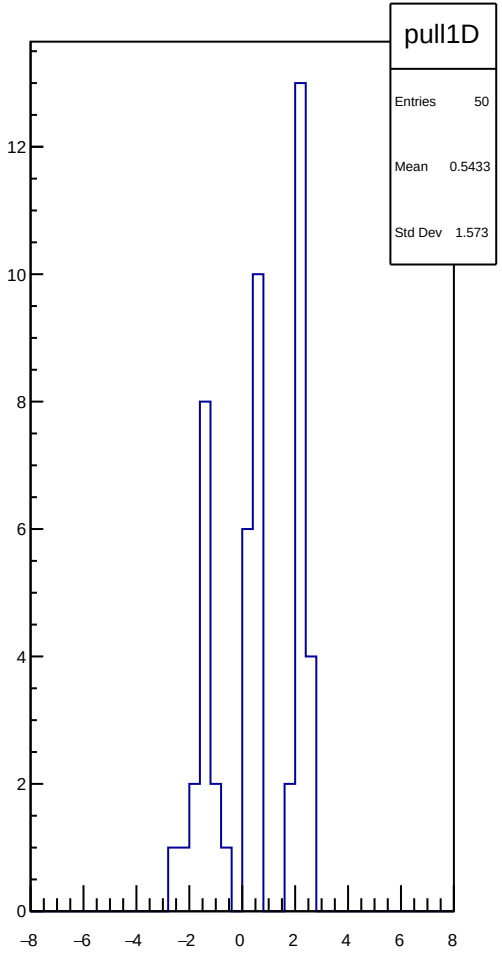

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 7.636 / 49
p0 −15.32 ± 1.883
pull
Entries 50
Mean 18.22
Std Dev 21.39

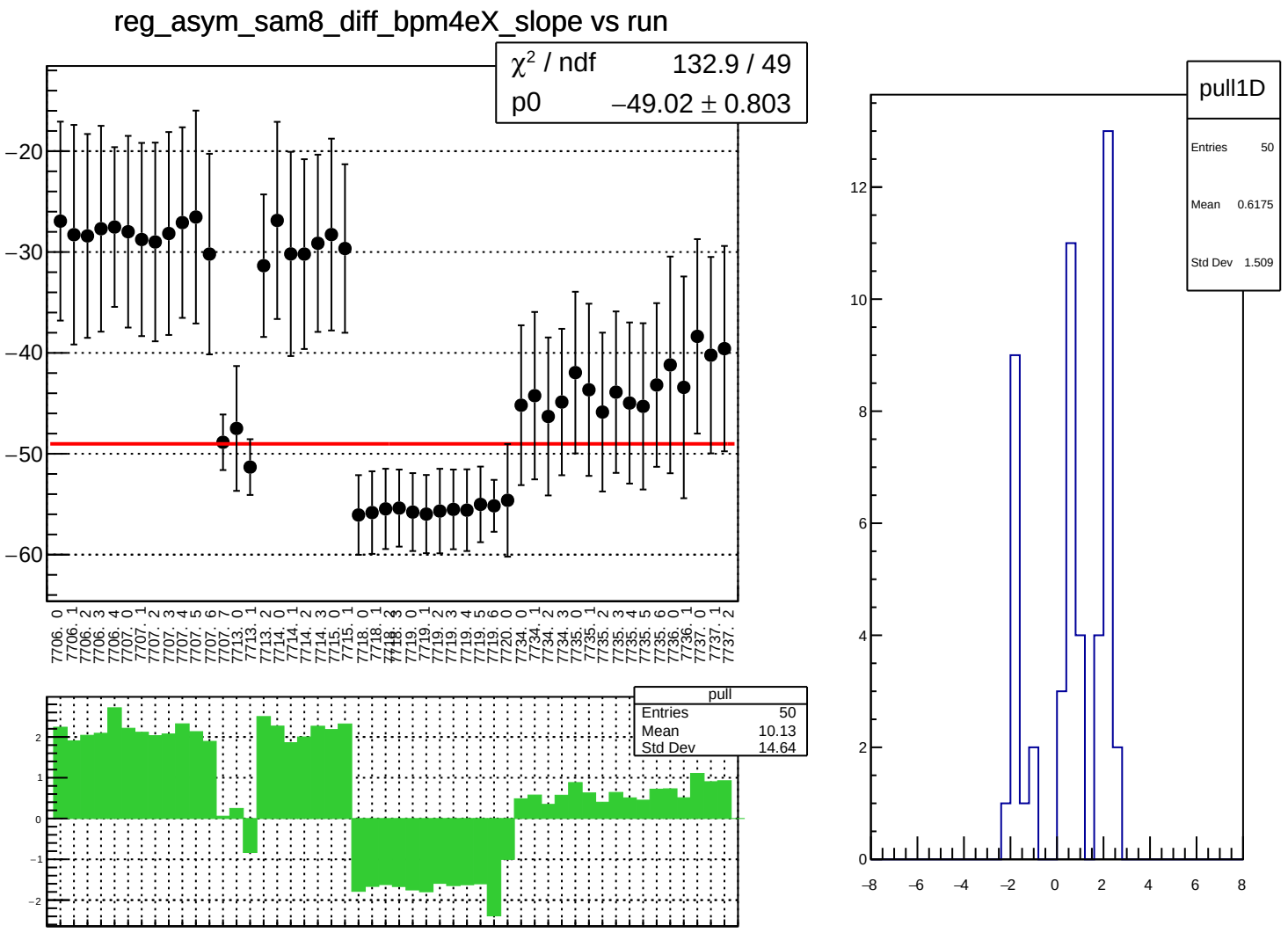

pull1D
Entries 50
Mean −0.09671
Std Dev 0.3786

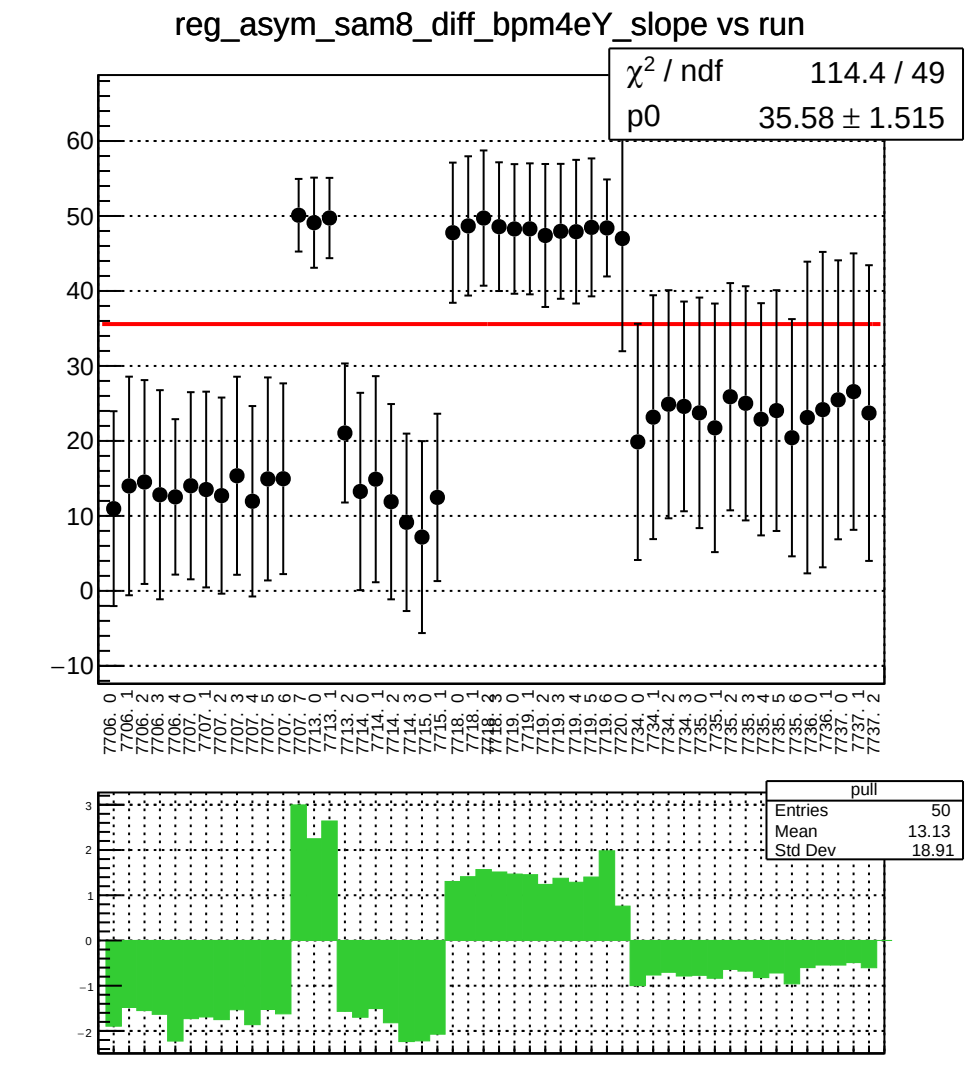

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 11.67 / 49
p0 −0.04692 ± 0.07565
pull
Entries 50
Mean −36.64
Std Dev 75.08
pull1D
Entries 50
Mean 0.02451
Std Dev 0.4825

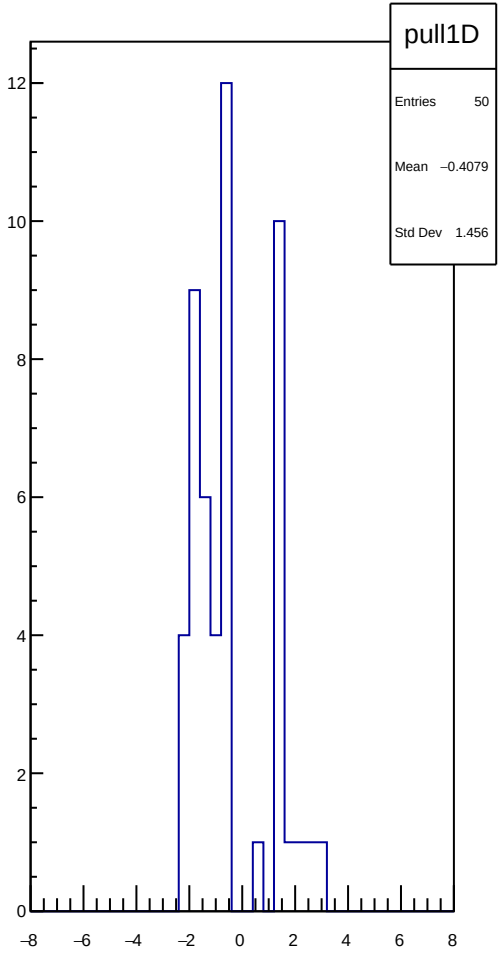

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 208.9 / 49
p0 16.93 ± 0.9357
30
20
10
0
−10
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 25.87
Std Dev 22.61
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.6673
Std Dev 1.932
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

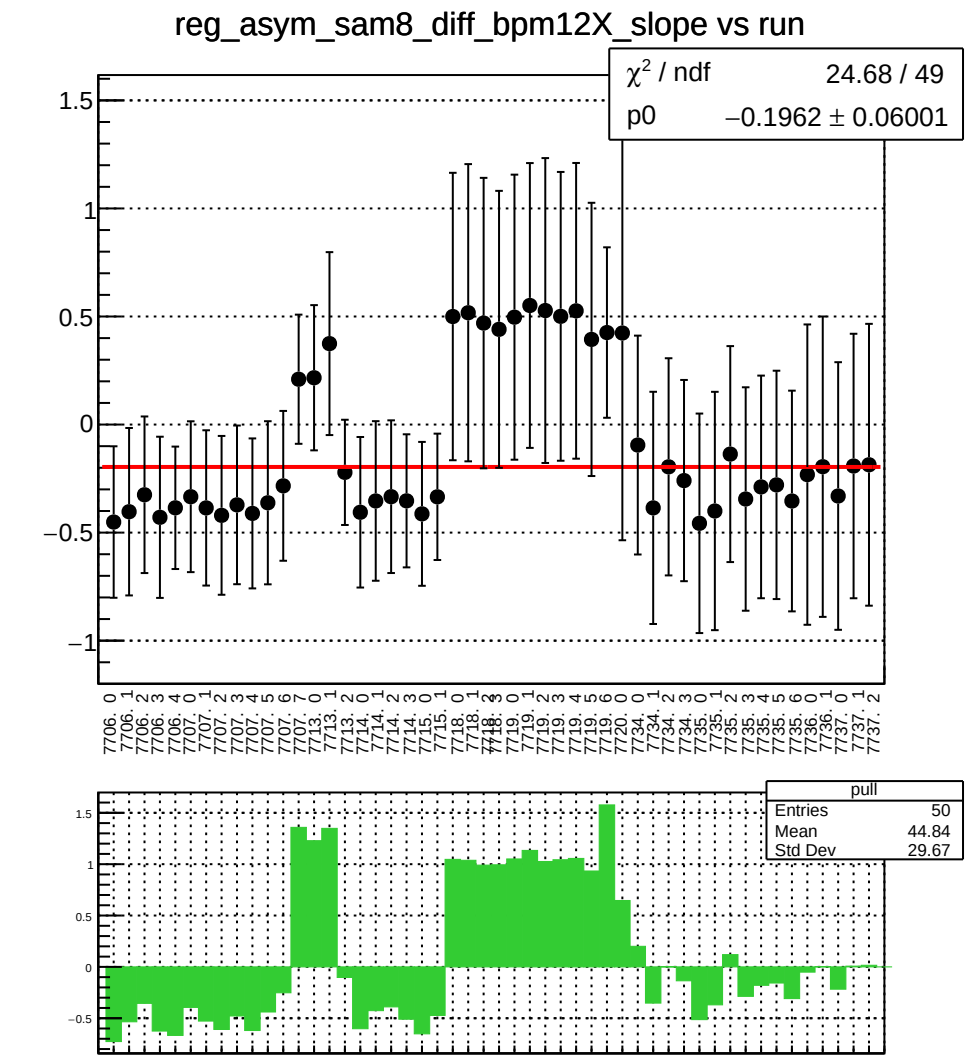

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 138.5 / 49
p0 −38.99 ± 1.031
pull
Entries 50
Mean 7.948
Std Dev 10.91

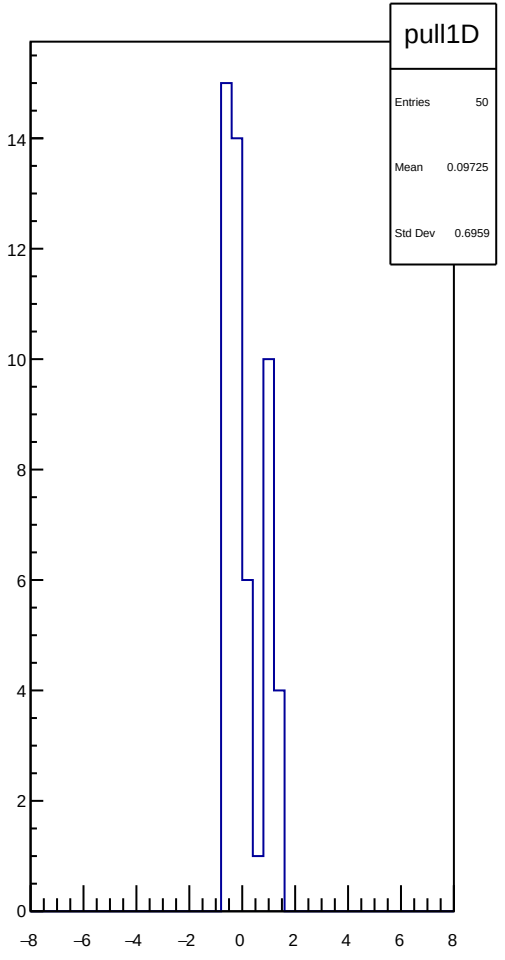

pull1D
Entries 50
Mean 0.5433
Std Dev 1.573

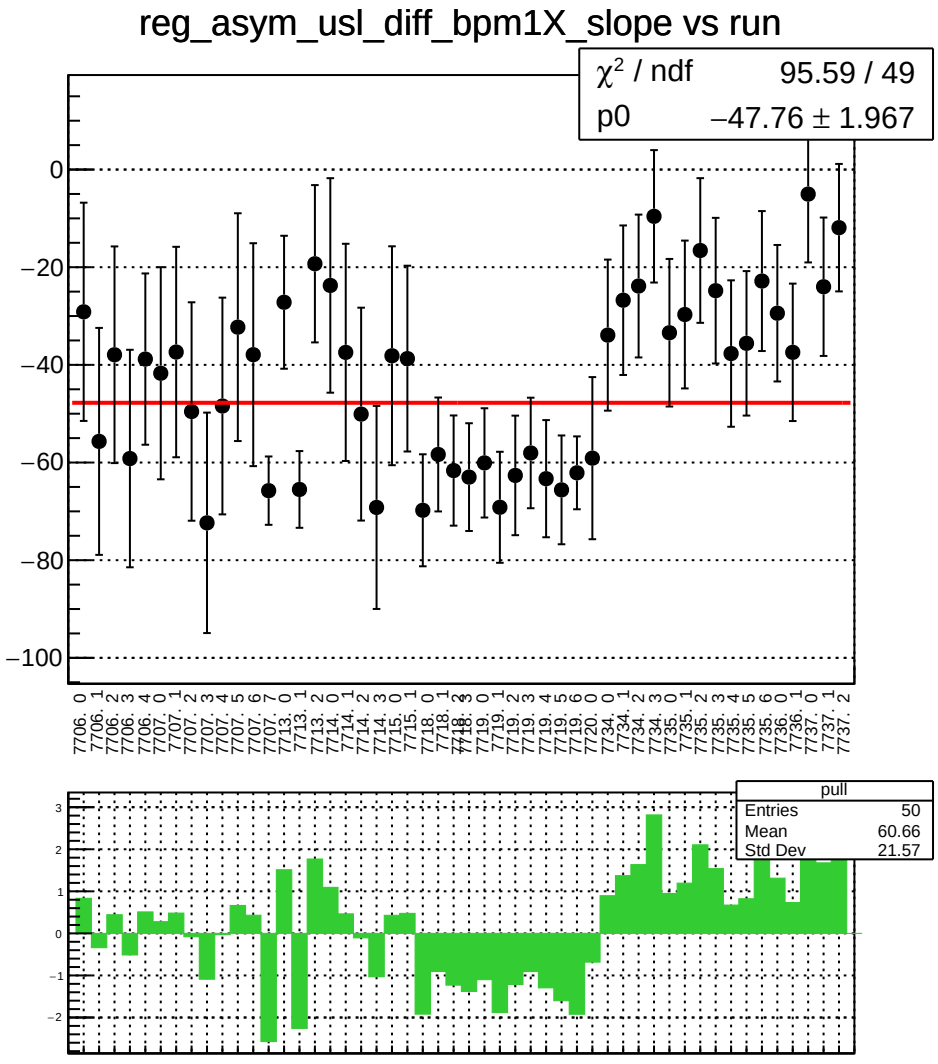

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 132.9 / 49
p0 −49.02 ± 0.803
−20
−30
−40
−50
−60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 10.13
Std Dev 14.64
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.6175
Std Dev 1.509
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

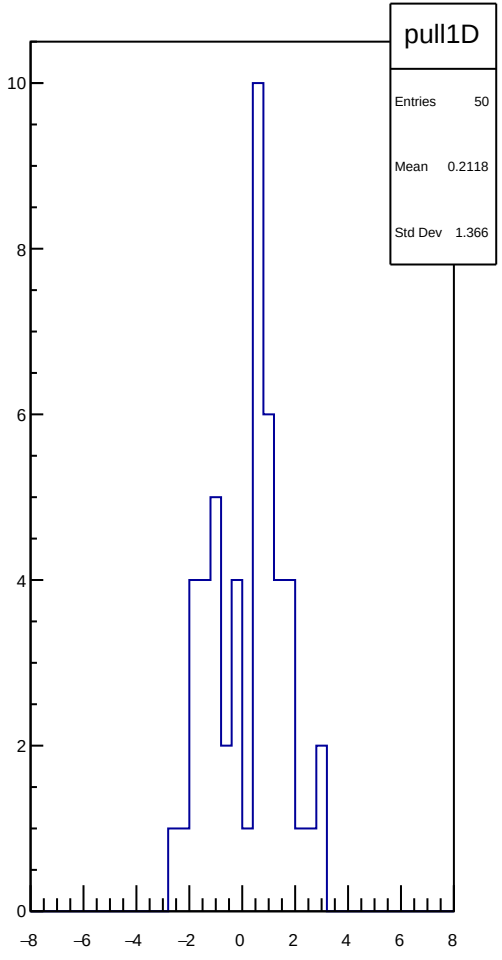

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 114.4 / 49
p0 35.58 ± 1.515
pull
Entries 50
Mean 13.13
Std Dev 18.91

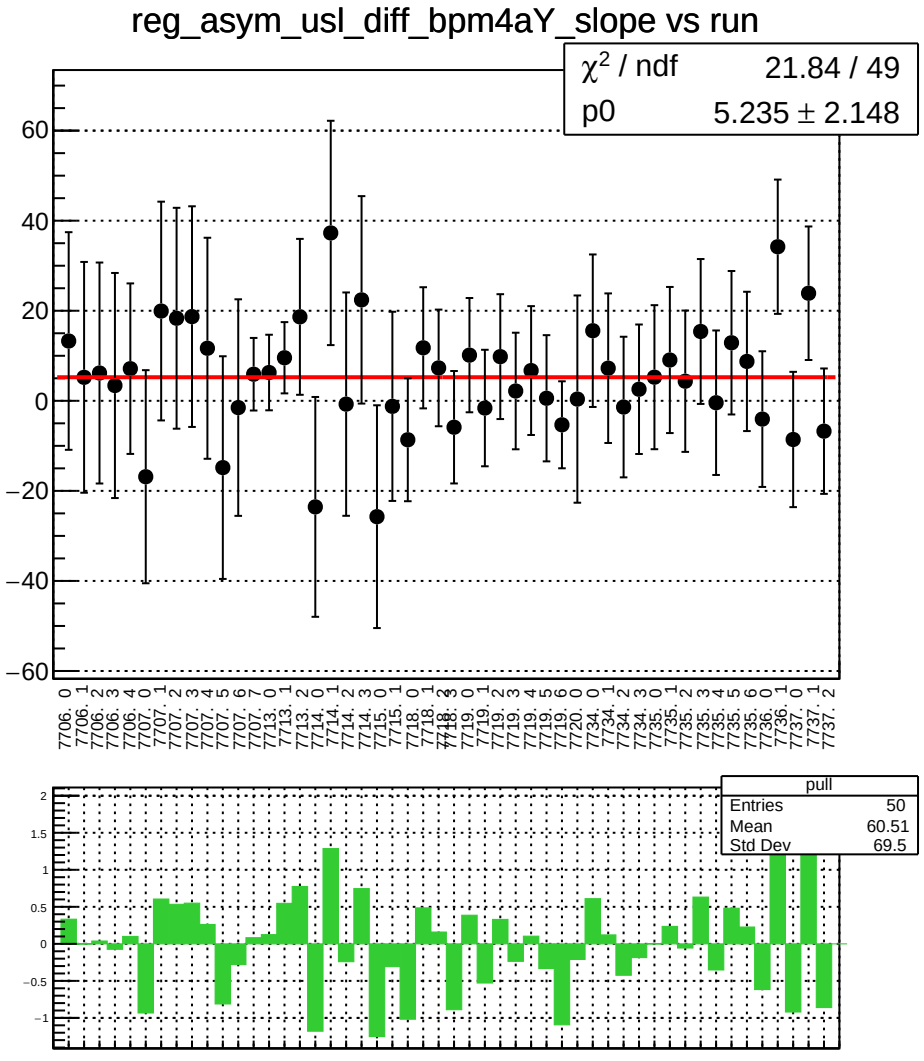

pull1D
Entries 50
Mean −0.4079
Std Dev 1.456

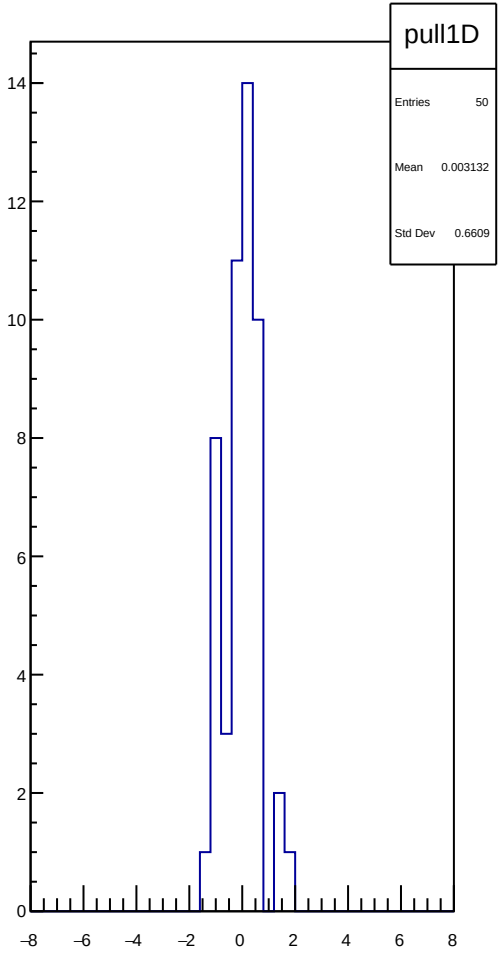

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 24.68 / 49
p0 −0.1962 ± 0.06001
pull
Entries 50
Mean 44.84
Std Dev 29.67

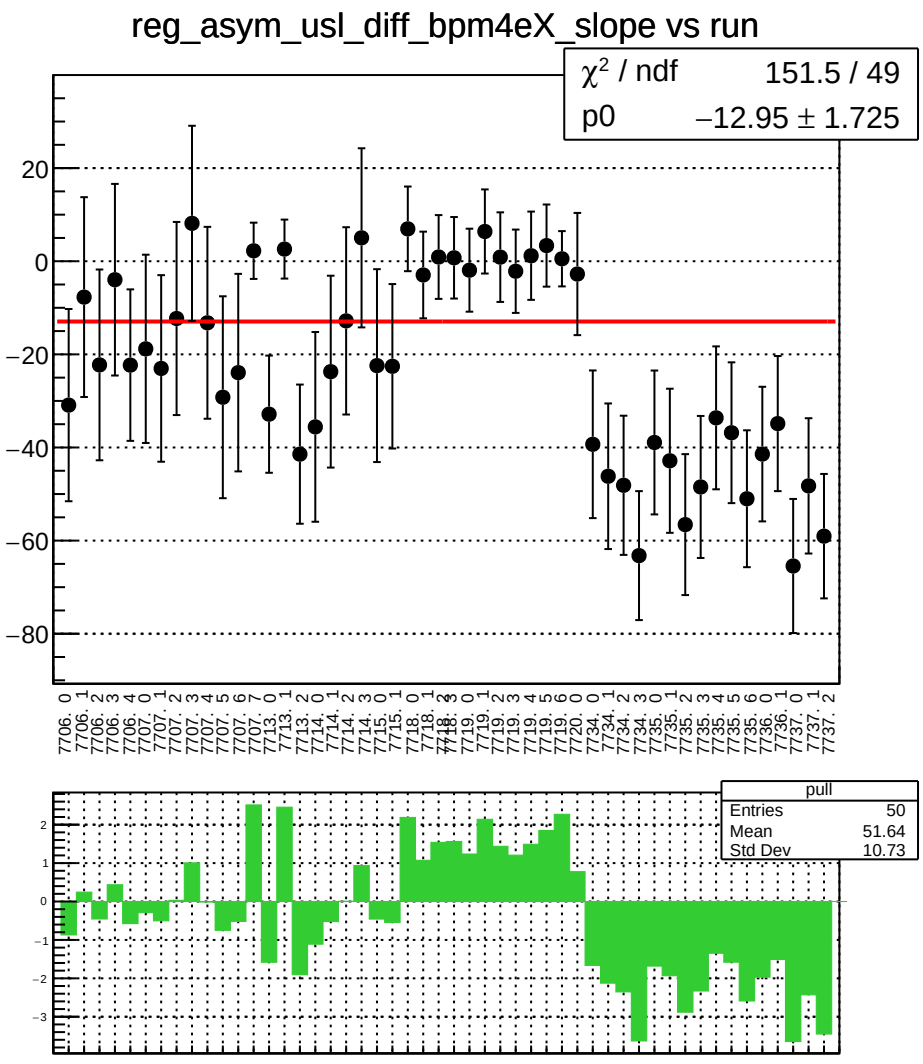

pull1D
Entries 50
Mean 0.09725
Std Dev 0.6959

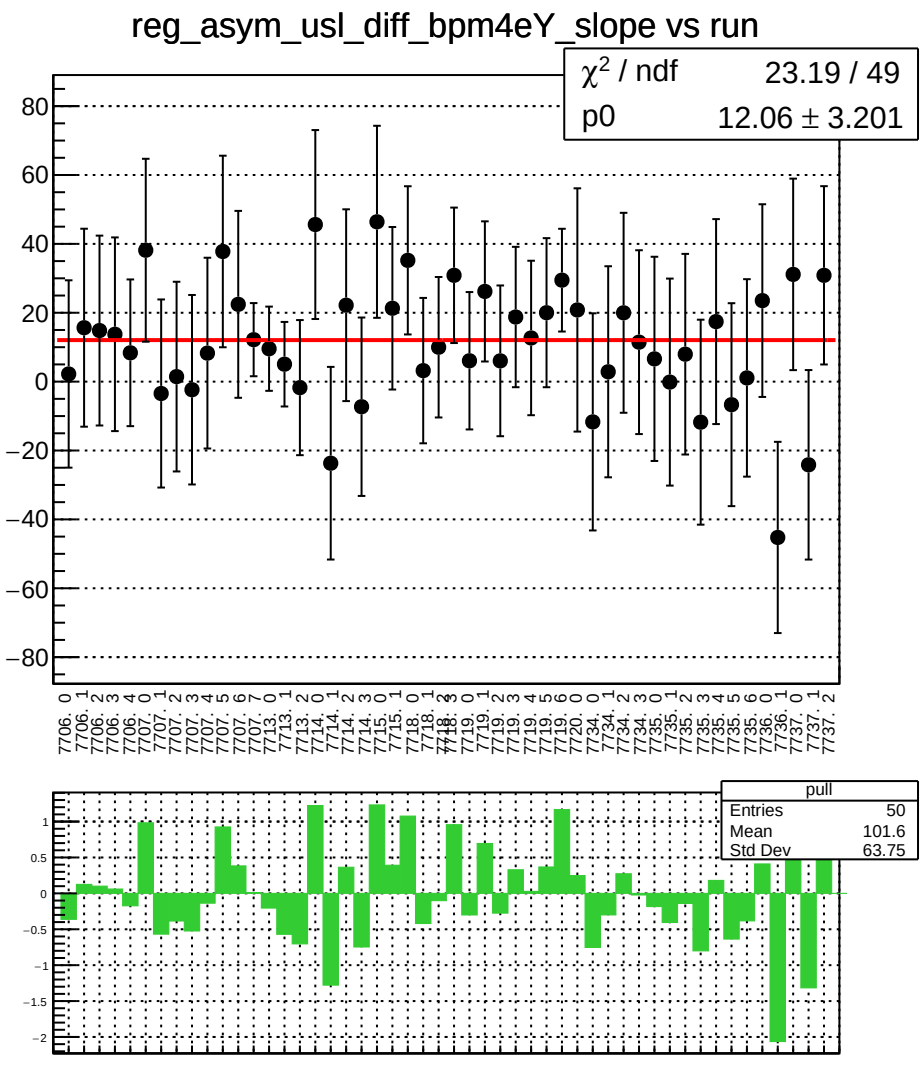

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 95.59 / 49
p0 −47.76 ± 1.967
pull
Entries 50
Mean 60.66
Std Dev 21.57

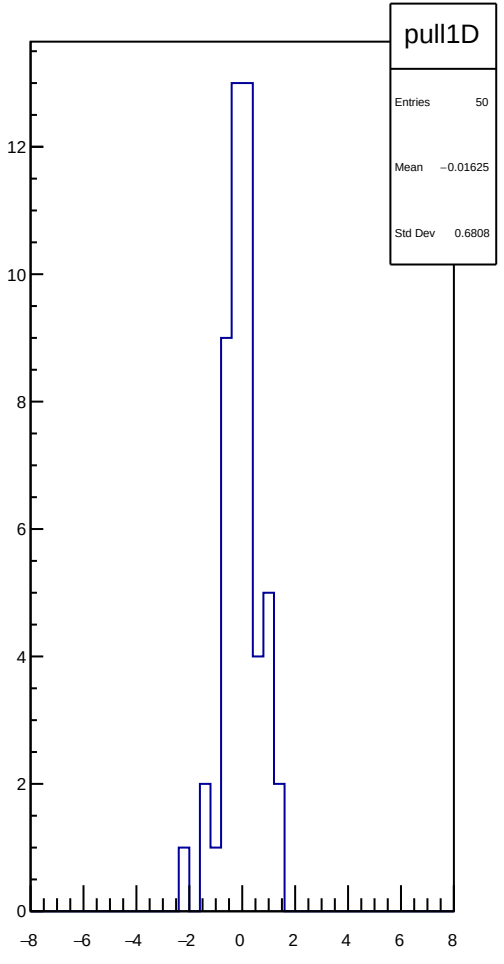

pull1D
Entries 50
Mean 0.2118
Std Dev 1.366

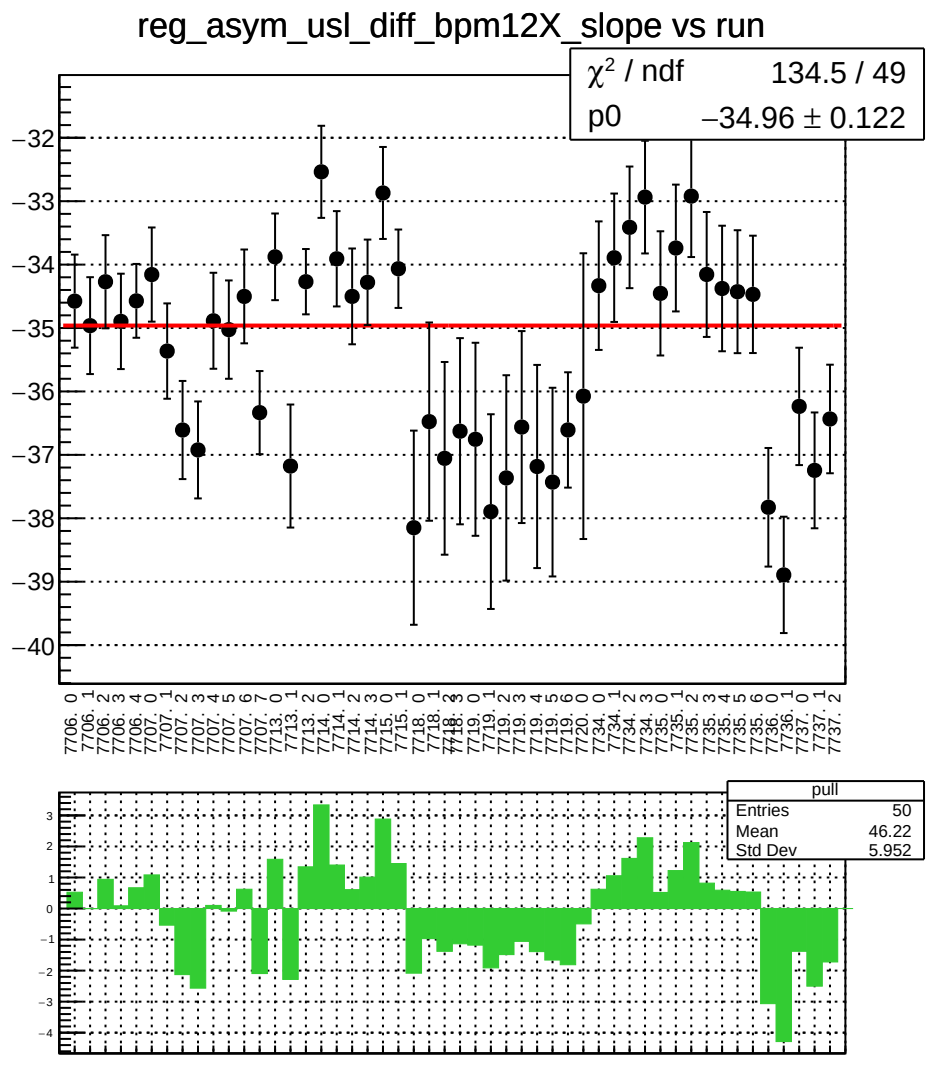

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 21.84 / 49
p0 5.235 ± 2.148
pull
Entries 50
Mean 60.51
Std Dev 69.5

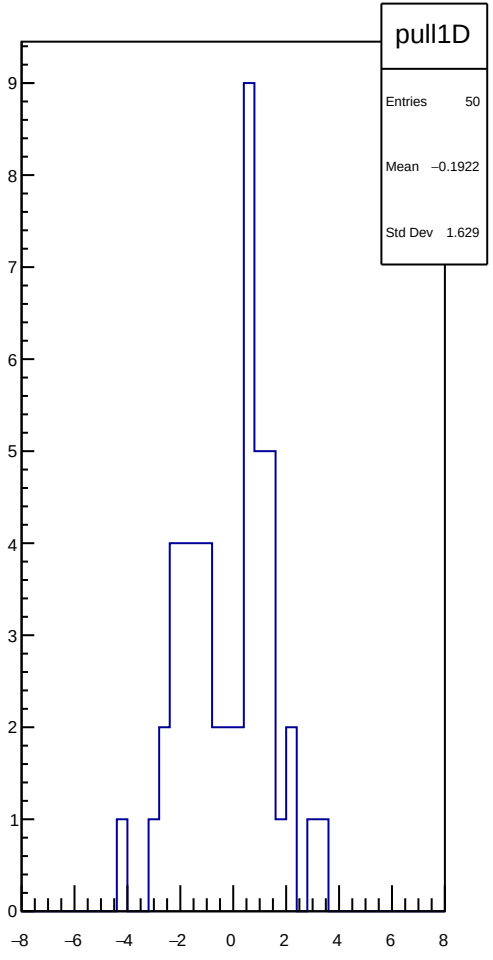

pull1D
Entries 50
Mean 0.003132
Std Dev 0.6609

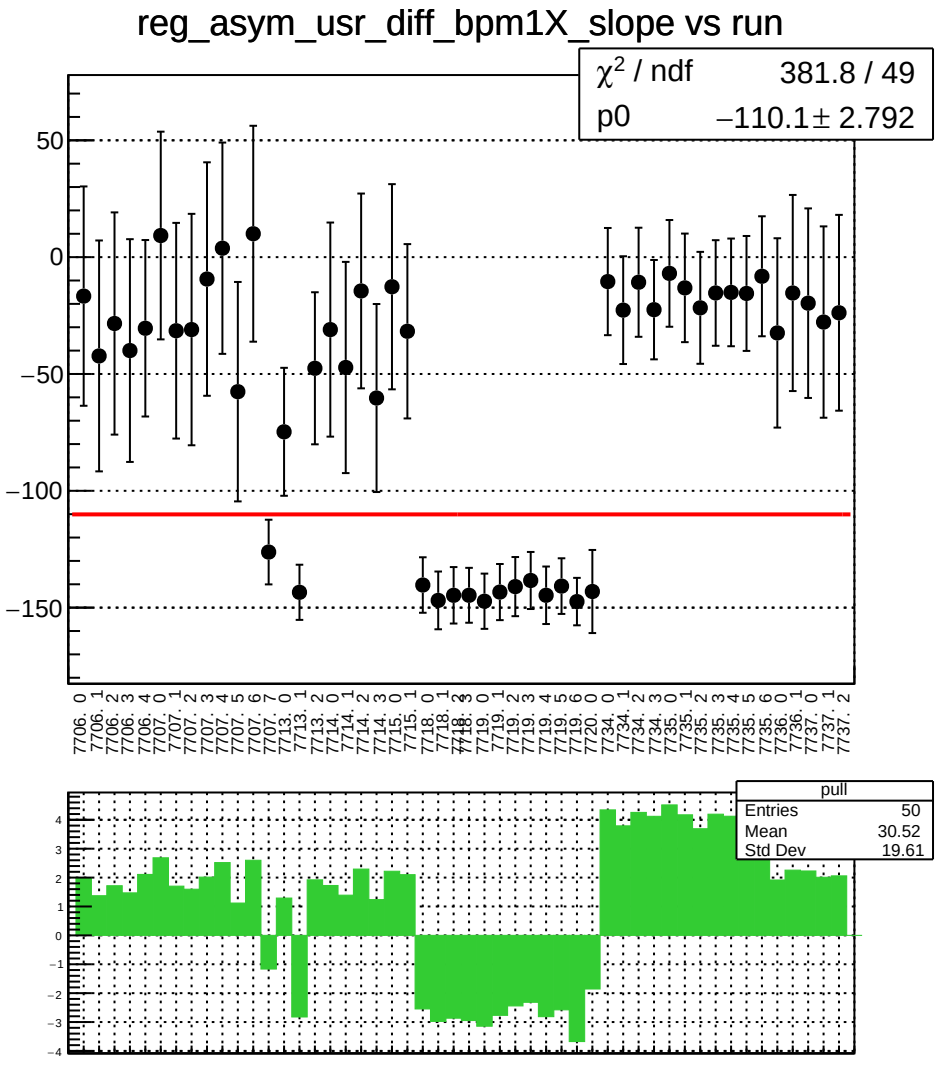

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 151.5 / 49
p0 −12.95 ± 1.725
20
0
−20
−40
−60
−80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 51.64
Std Dev 10.73
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.4163
Std Dev 1.69
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

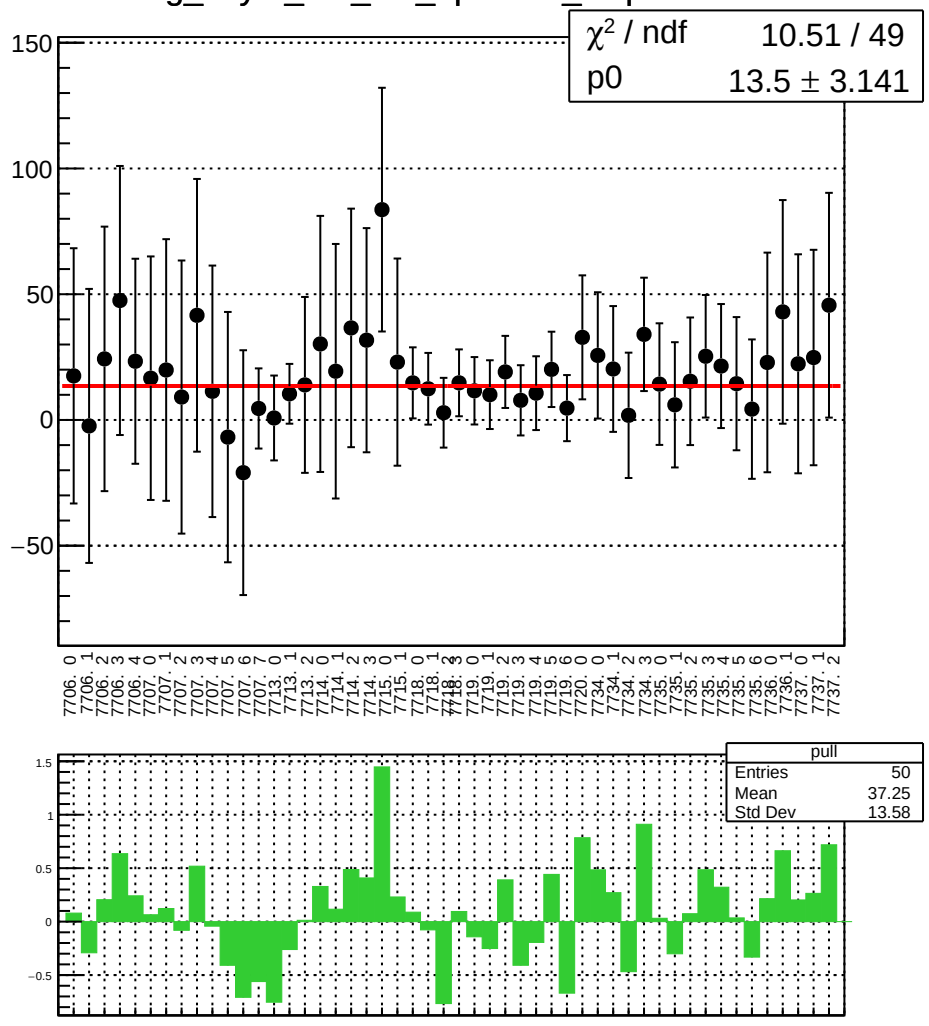

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 23.19 / 49
p0 12.06 ± 3.201
pull
Entries 50
Mean 101.6
Std Dev 63.75

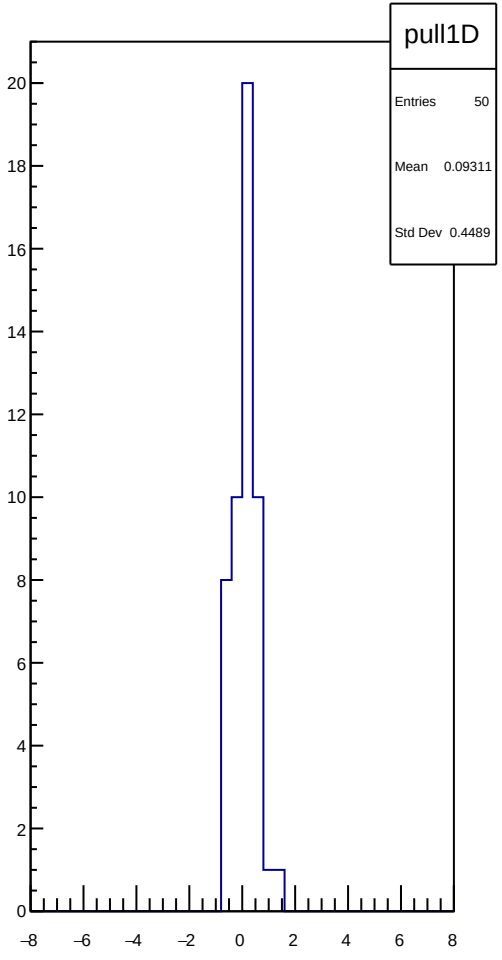

pull1D
Entries 50
Mean −0.01625
Std Dev 0.6808

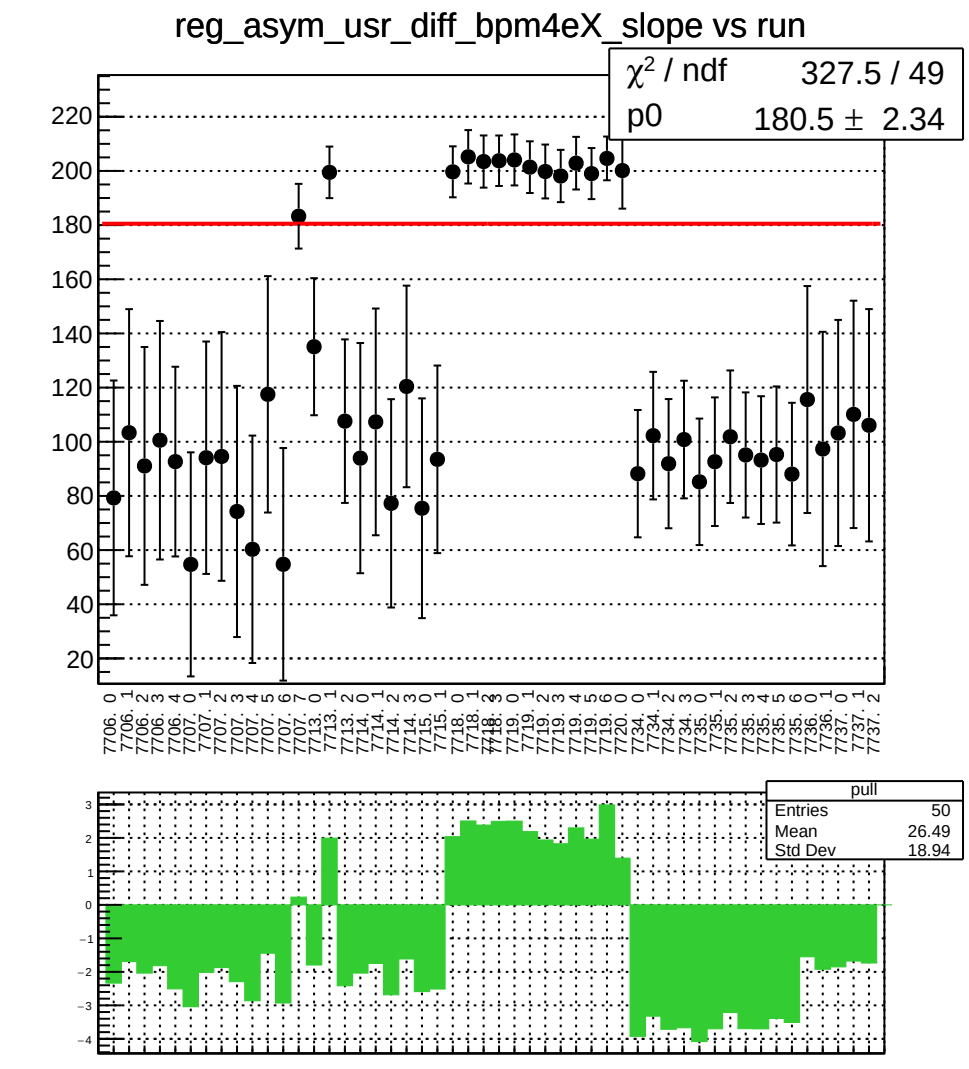

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 134.5 / 49
p0 −34.96 ± 0.122
pull
Entries 50
Mean 46.22
Std Dev 5.952

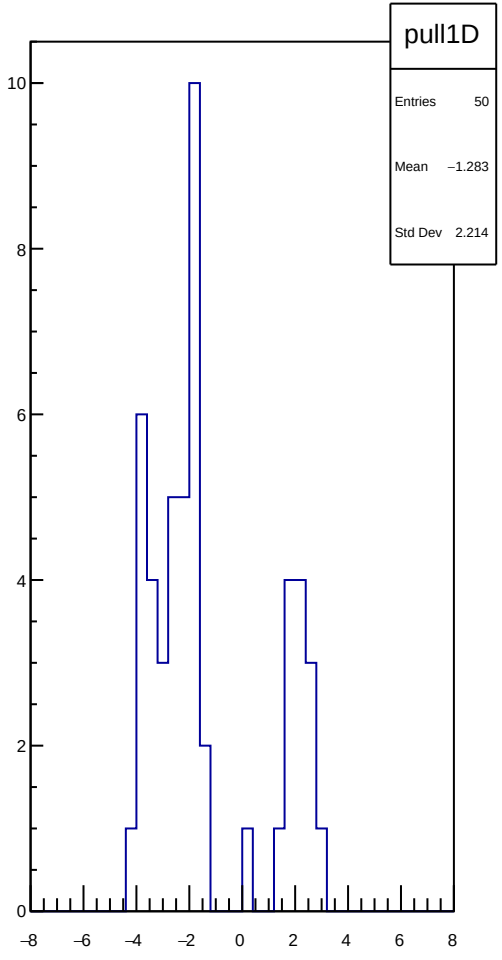

pull1D
Entries 50
Mean −0.1922
Std Dev 1.629

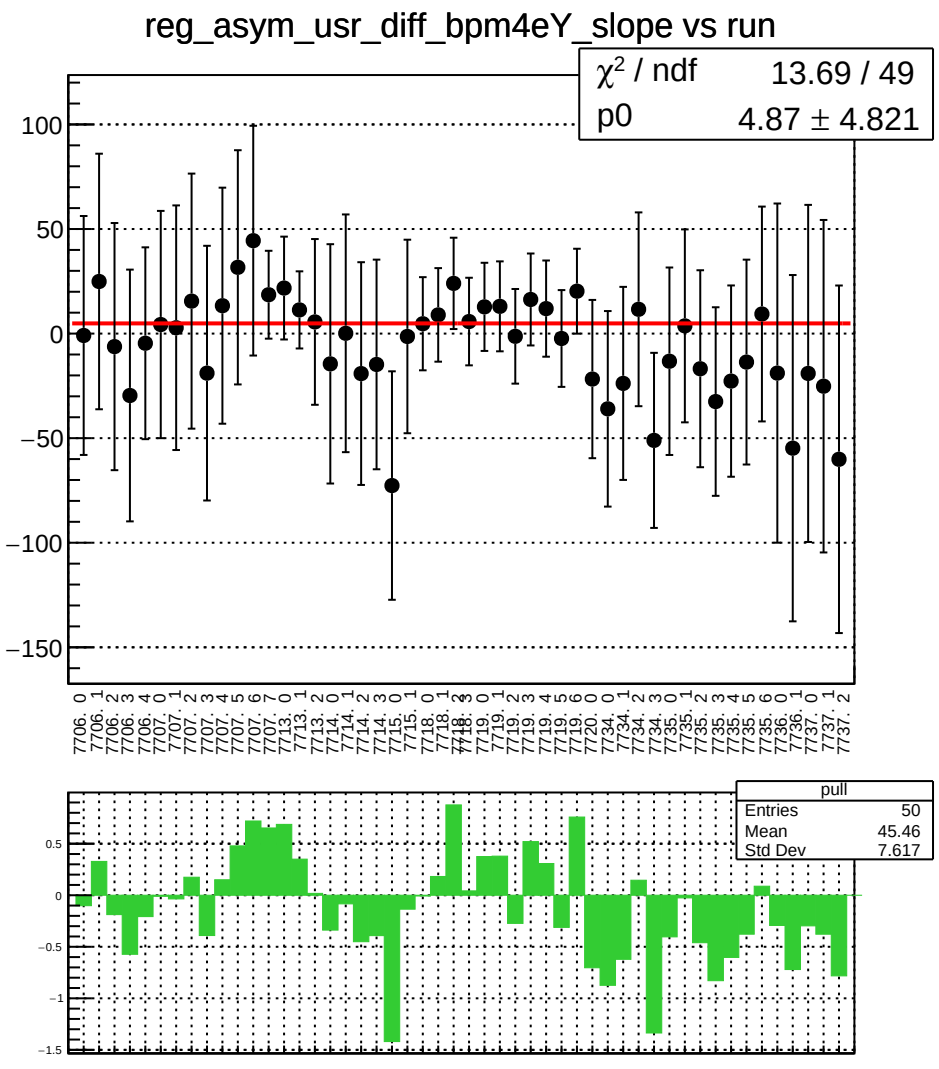

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 381.8 / 49
p0 −110.1± 2.792
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 30.52
Std Dev 19.61
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 50
Mean 1.113
Std Dev 2.529
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

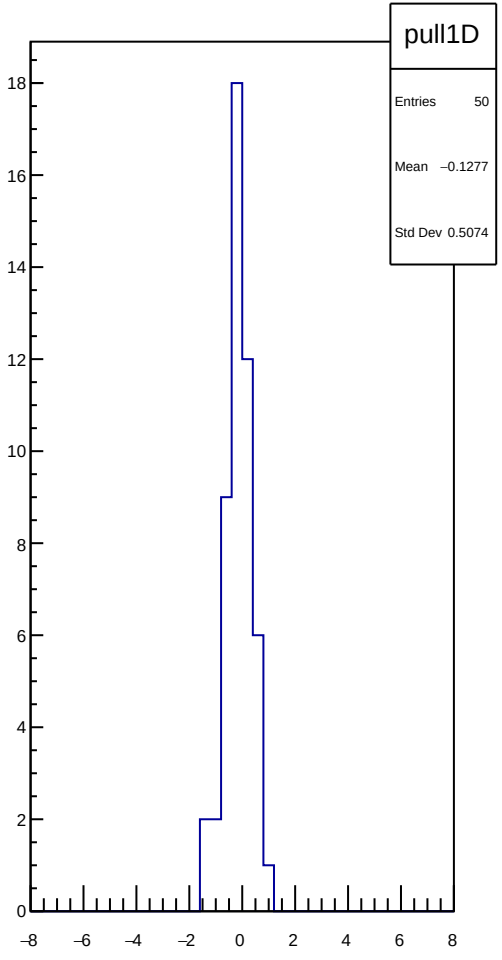

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 10.51 / 49
p0 13.5 ± 3.141
150
100
50
0
−50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 37.25
Std Dev 13.58
1.5
1
0.5
0
−0.5

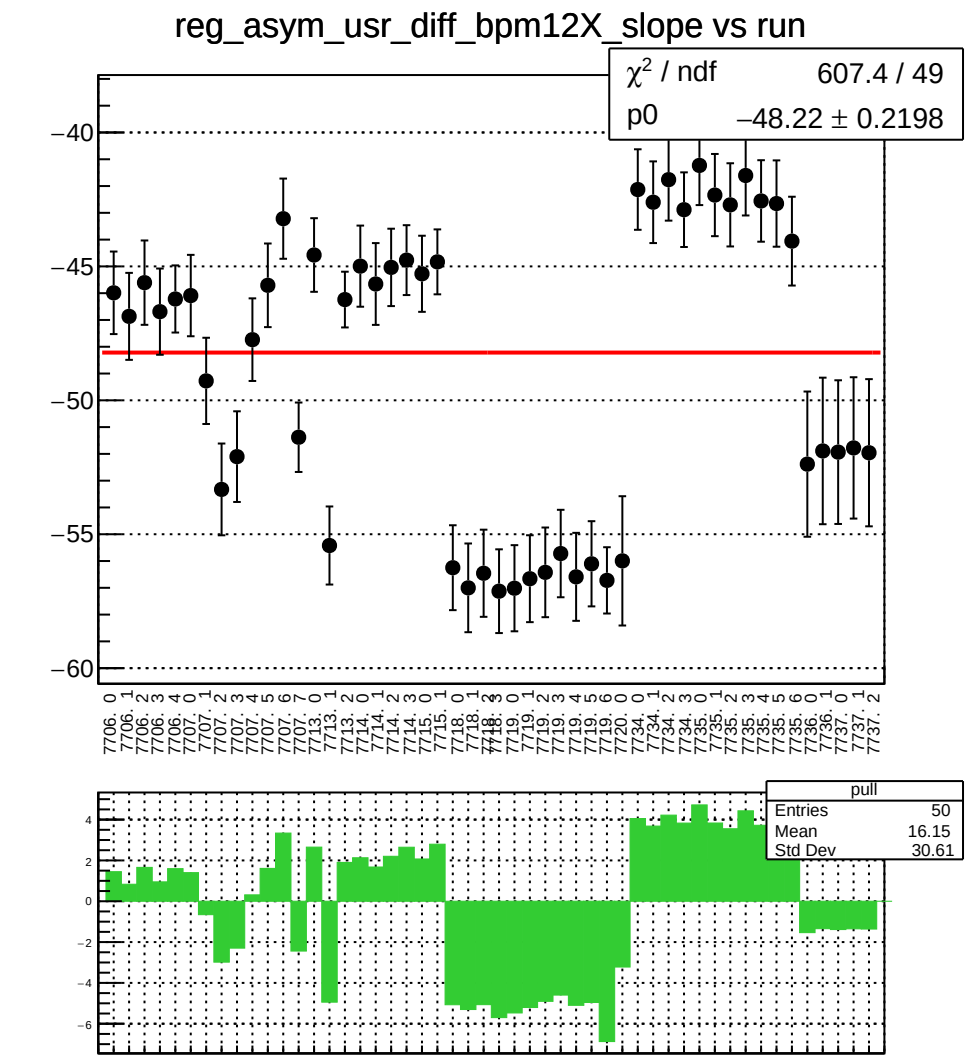

pull1D
Entries 50
Mean 0.09311
Std Dev 0.4489
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

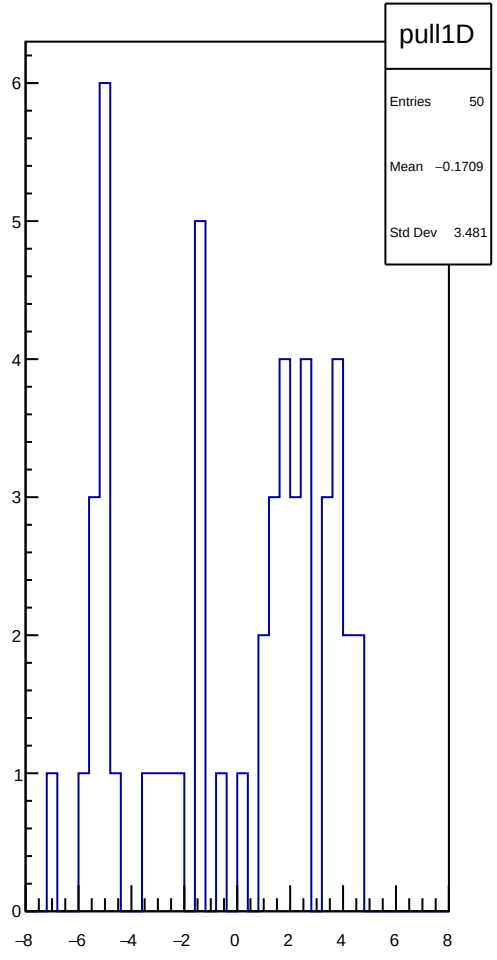

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 327.5 / 49
p0 180.5 ± 2.34
pull
Entries 50
Mean 26.49
Std Dev 18.94

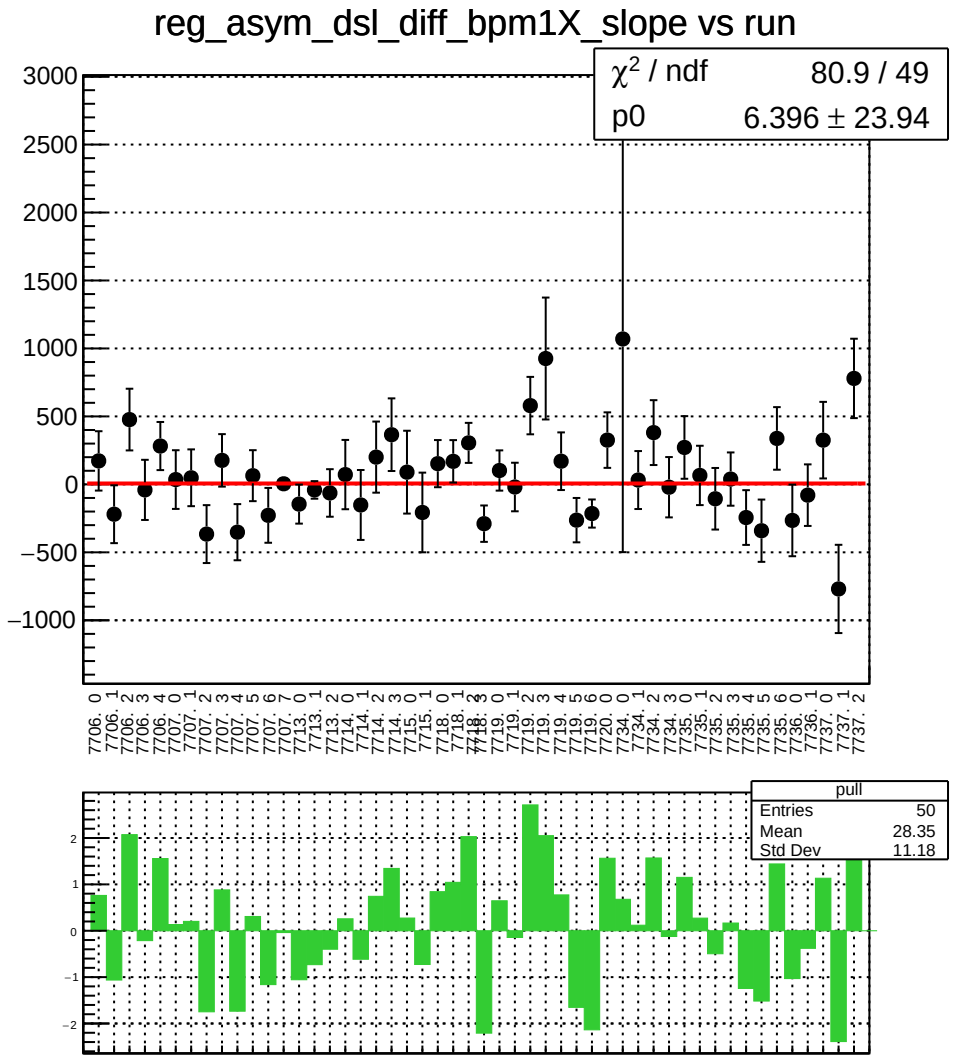

pull1D
Entries 50
Mean −1.283
Std Dev 2.214

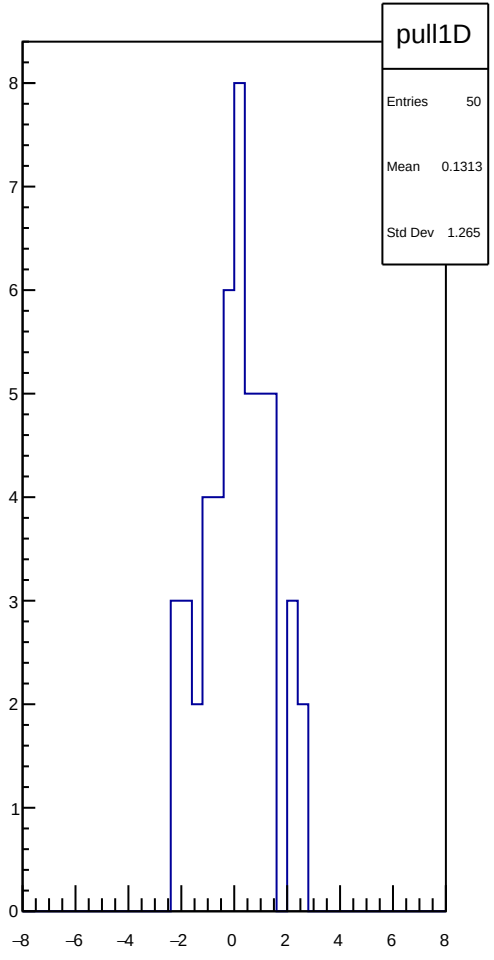

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.69 / 49
p0 4.87 ± 4.821
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 45.46
Std Dev 7.617
0.5
0
−0.5
−1
−1.5

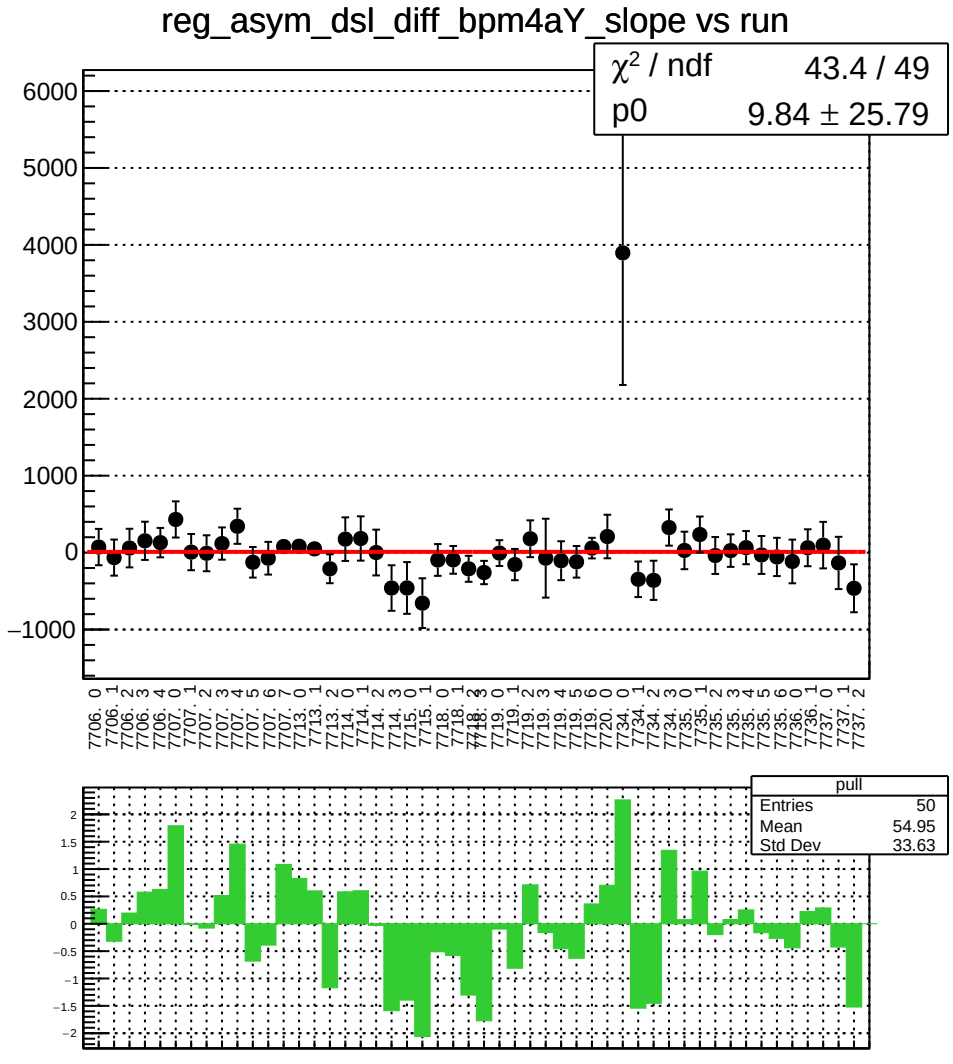

pull1D
Entries 50
Mean −0.1277
Std Dev 0.5074
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

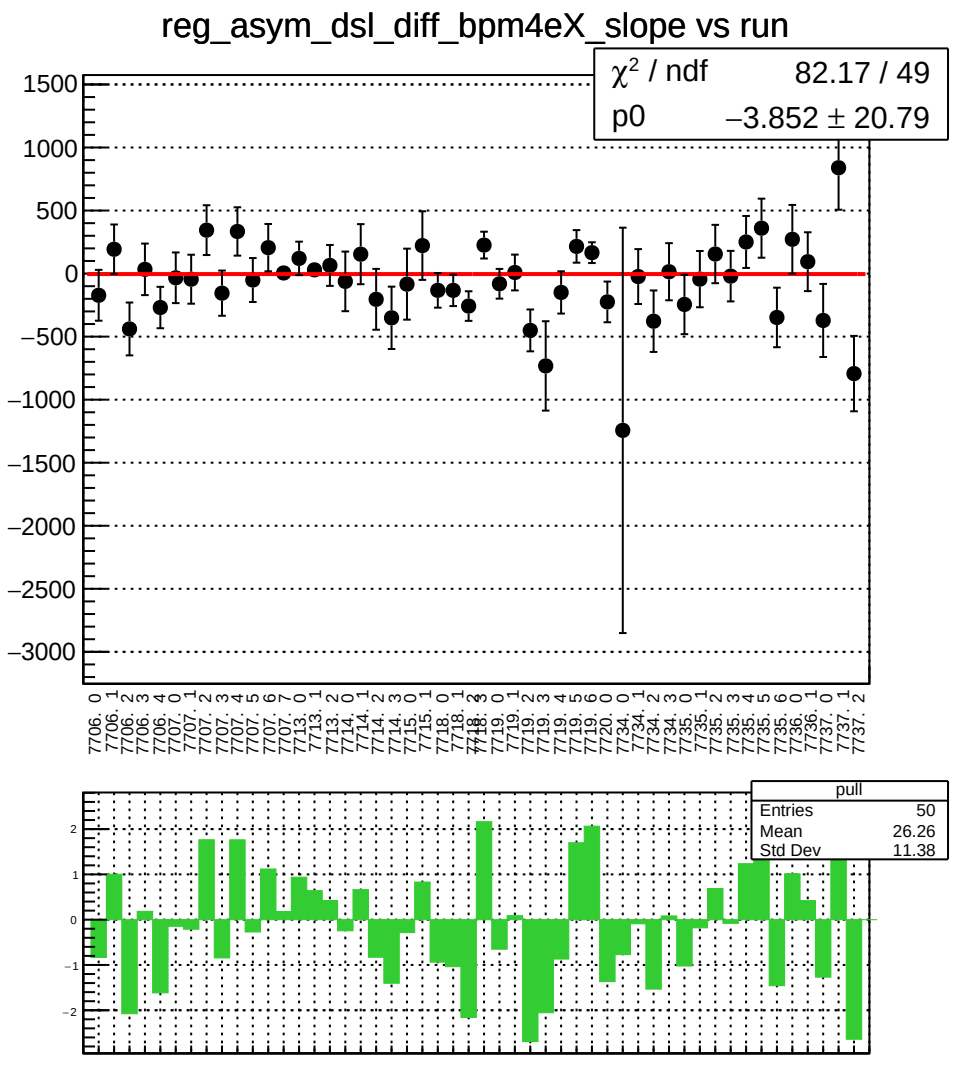

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 607.4 / 49
p0 −48.22 ± 0.2198
−40
−45
−50
−55
−60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 16.15
Std Dev 30.61
4
2
0
−2
−4
−6

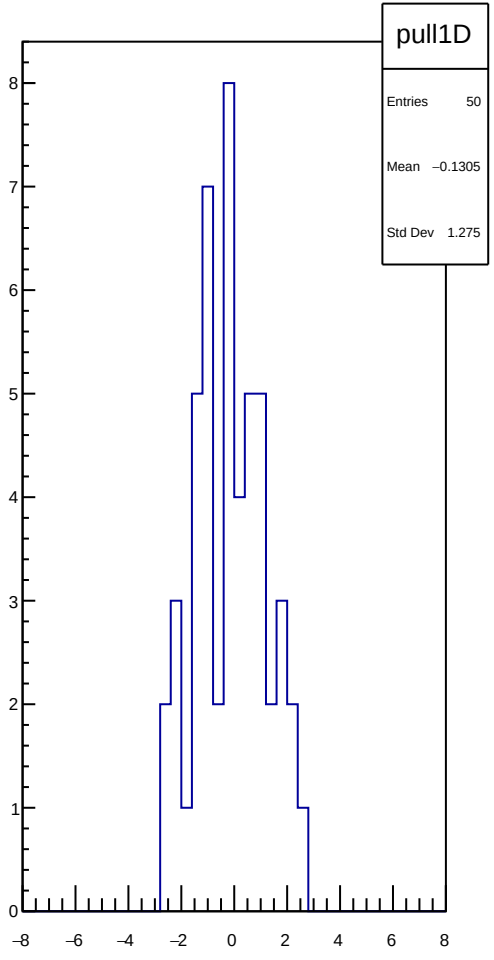

pull1D
Entries 50
Mean −0.1709
Std Dev 3.481
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

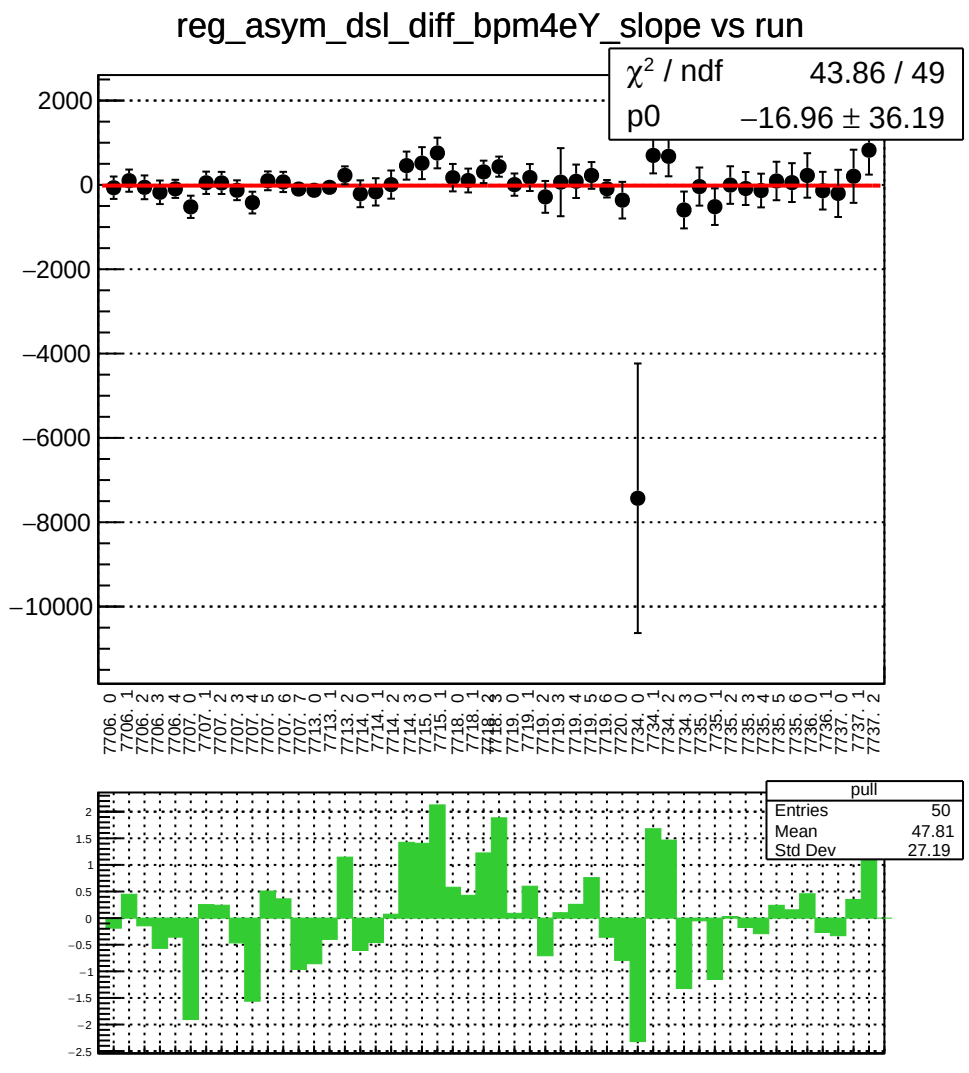

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 80.9 / 49
p0 6.396 ± 23.94
pull
Entries 50
Mean 28.35
Std Dev 11.18

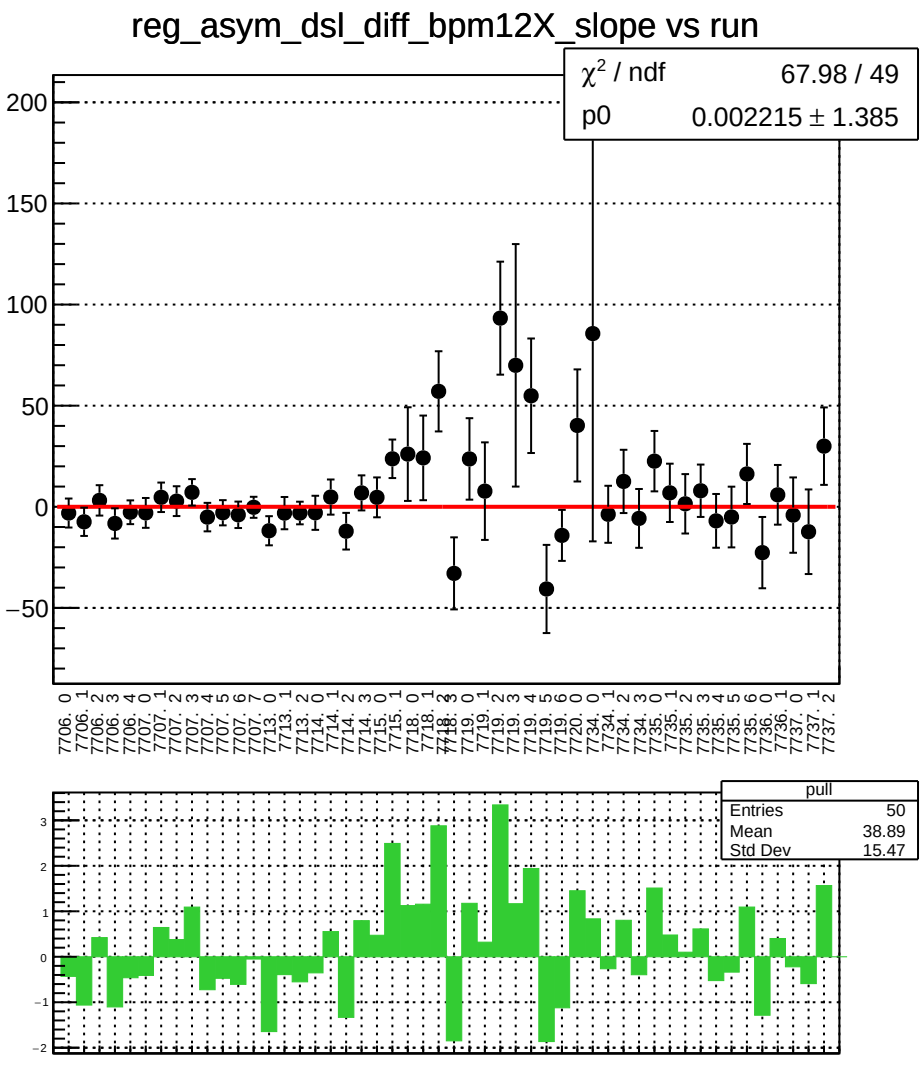

pull1D
Entries 50
Mean 0.1313
Std Dev 1.265

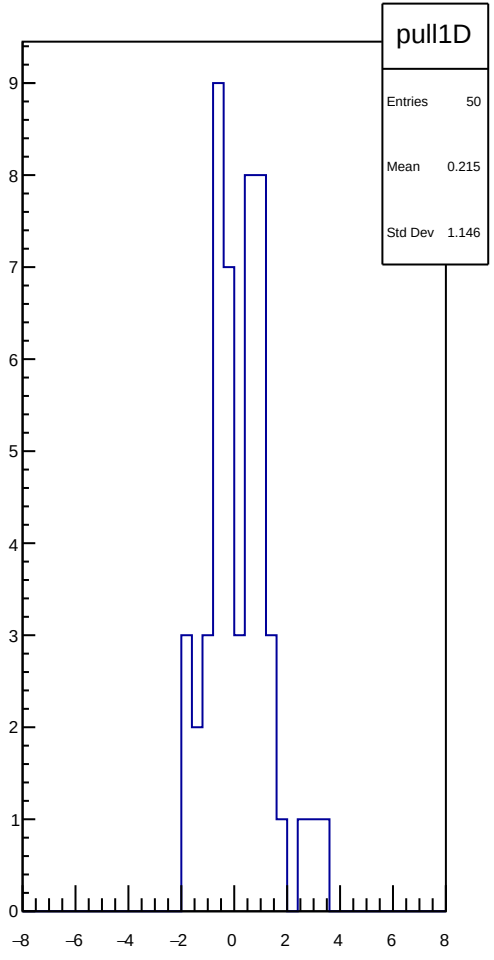

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 43.4 / 49
p0 9.84 ± 25.79
6000
5000
4000
3000
2000
1000
0
−1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 54.95
Std Dev 33.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.0733
Std Dev 0.9288
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

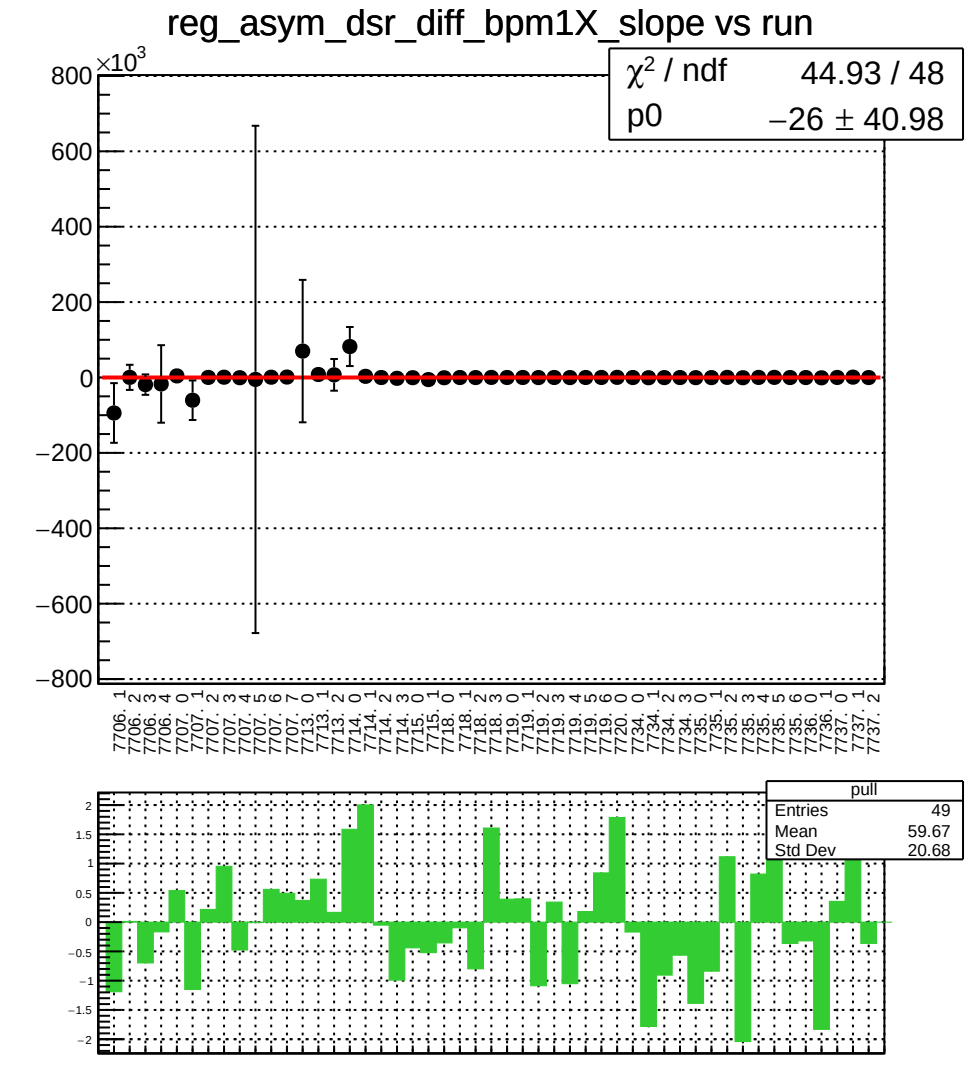

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 82.17 / 49
p0 −3.852 ± 20.79
pull
Entries 50
Mean 26.26
Std Dev 11.38

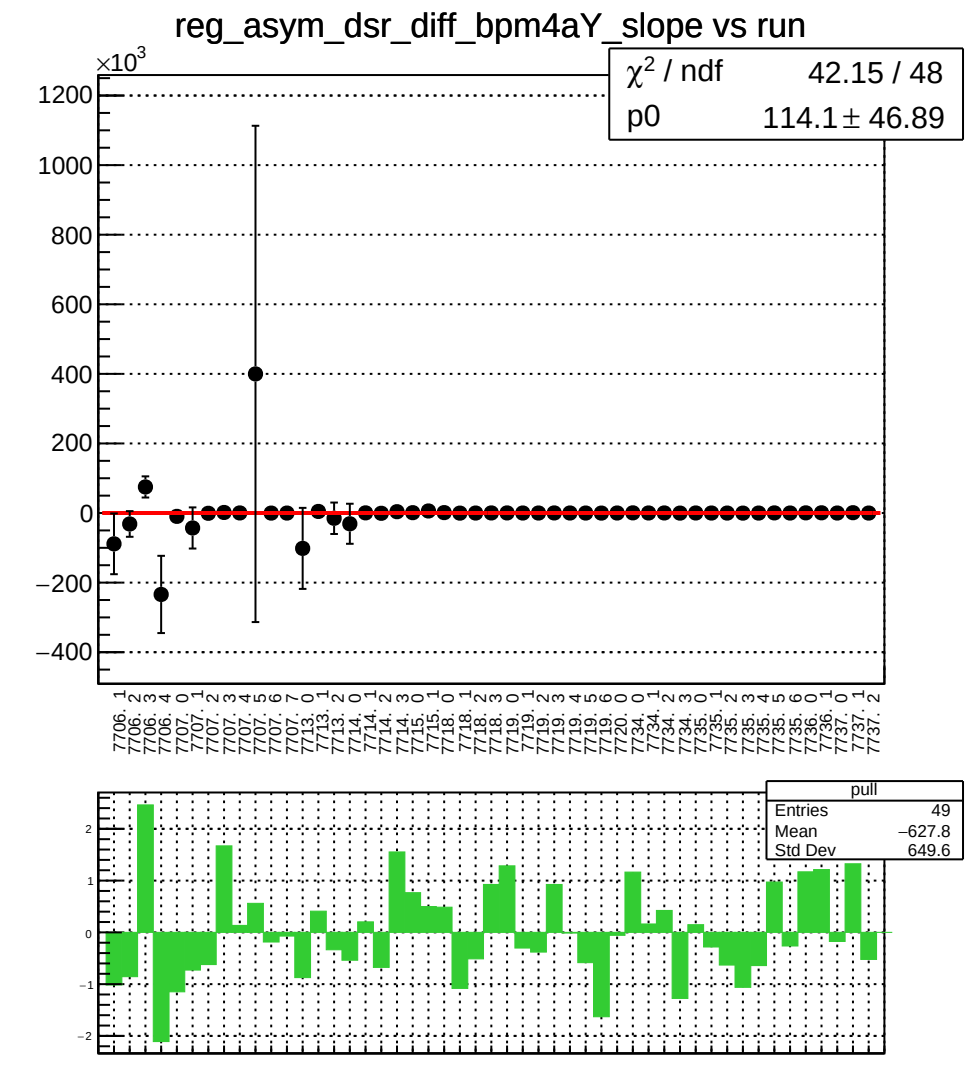

pull1D
Entries 50
Mean −0.1305
Std Dev 1.275

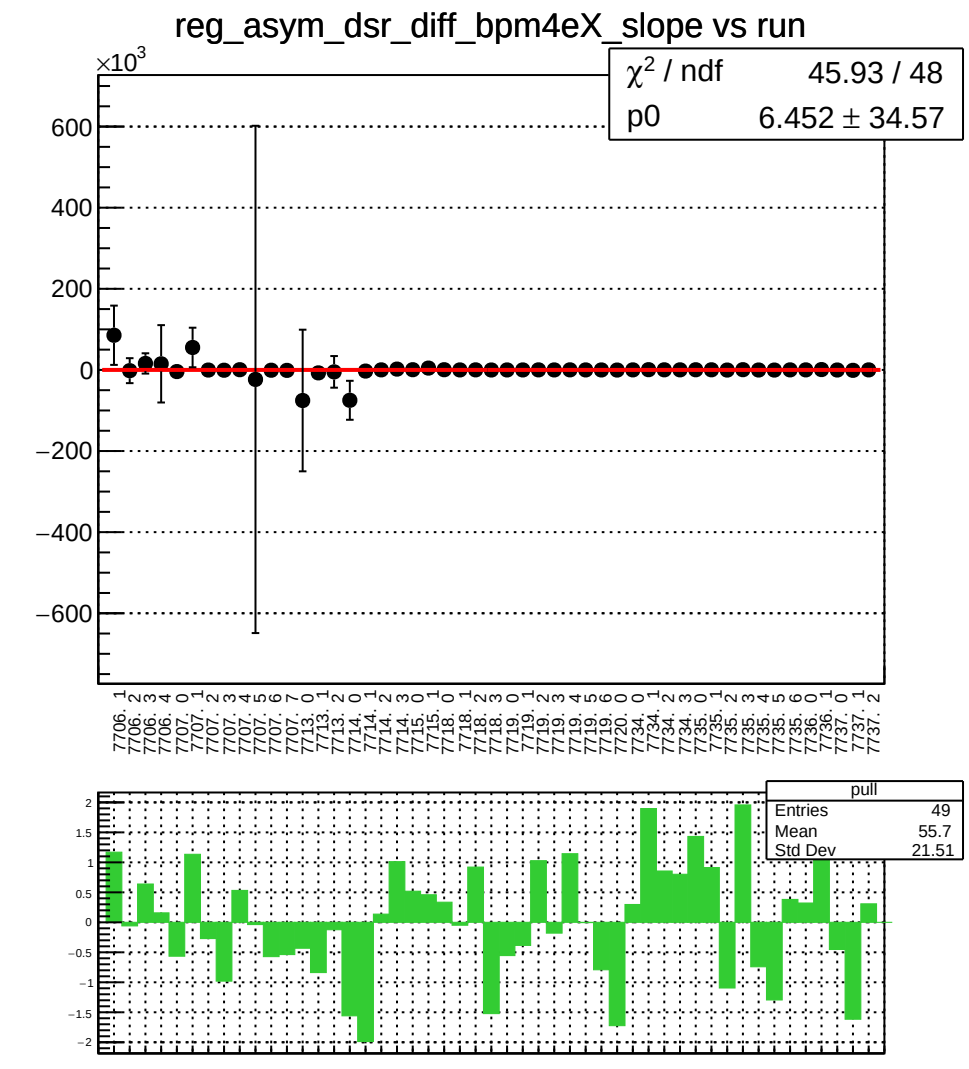

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 43.86 / 49
p0 −16.96 ± 36.19
2000
0
−2000
−4000
−6000
−8000
−10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 47.81
Std Dev 27.19
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean 0.06987
Std Dev 0.9339
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

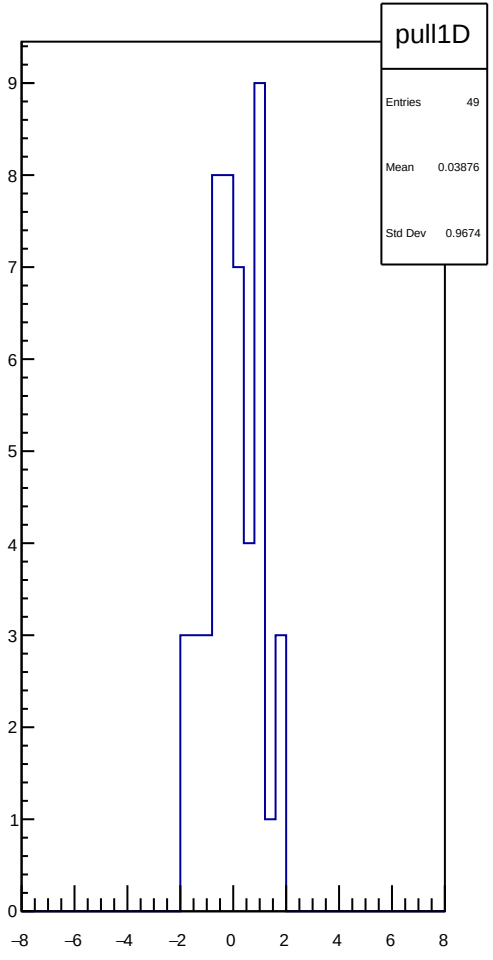

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 67.98 / 49
p0 0.002215 ± 1.385
200
150
100
50
0
−50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 38.89
Std Dev 15.47
3
2
1
0
−1
−2

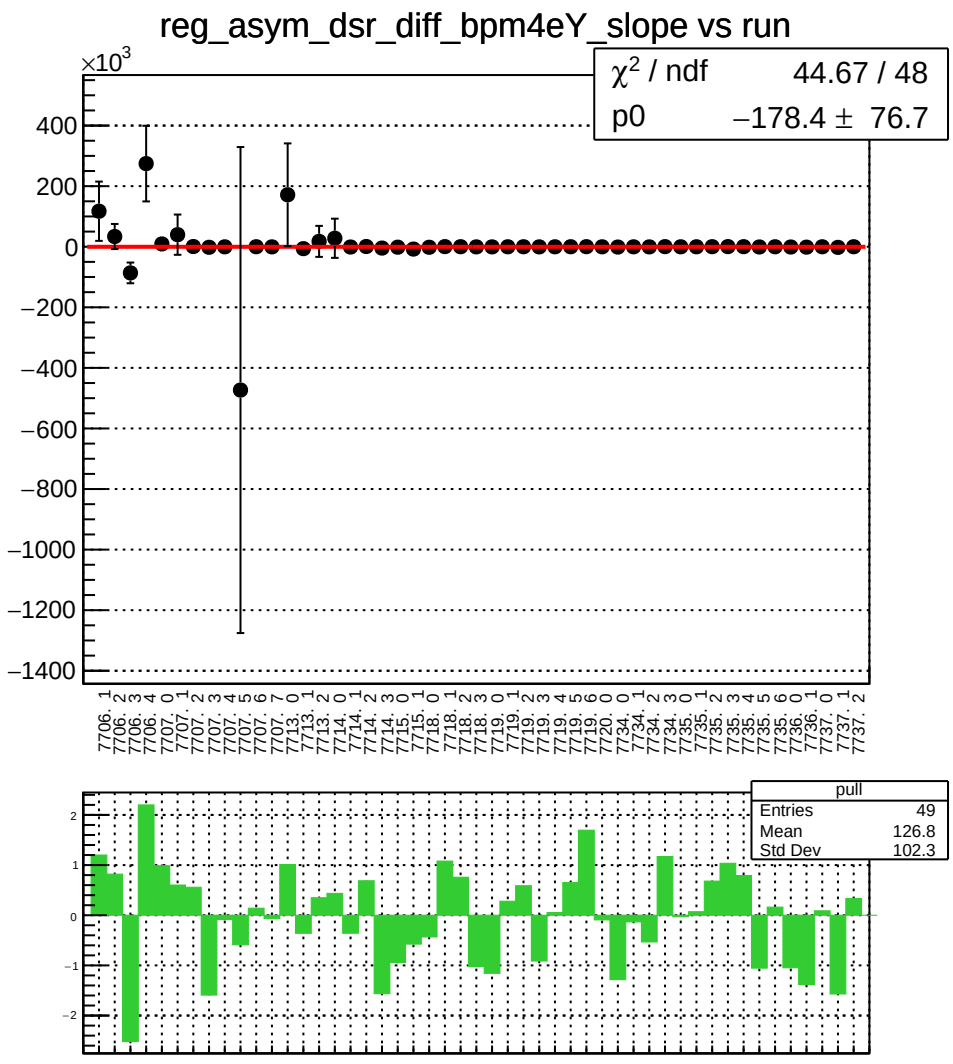

pull1D
Entries 50
Mean 0.215
Std Dev 1.146
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

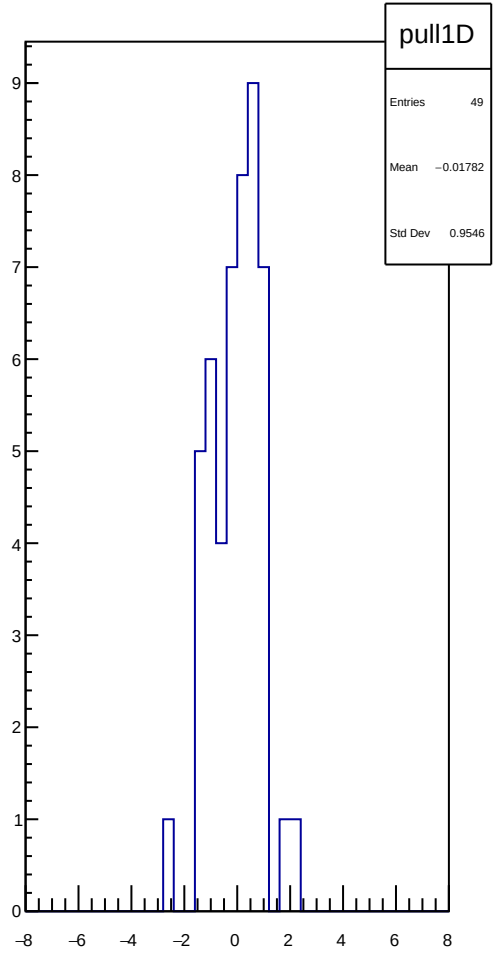

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 44.93 / 48
p0 −26 ± 40.98
×10³
800
600
400
200
0
−200
−400
−600
−800
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 49
Mean 59.67
Std Dev 20.68
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 49
Mean −0.02705
Std Dev 0.9572
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

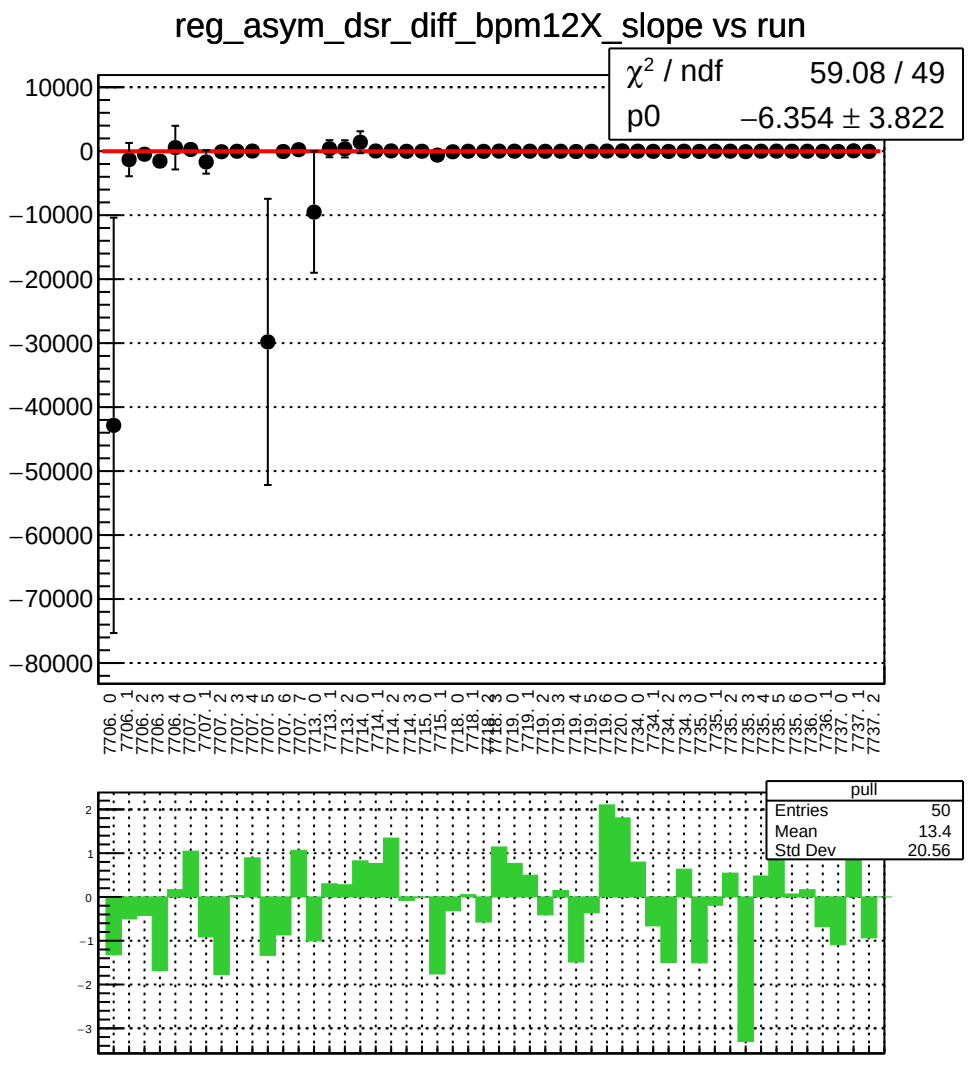

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 42.15 / 48
p0 114.1 ± 46.89
×10³
1200
1000
800
600
400
200
0
−200
−400
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 49
Mean −627.8
Std Dev 649.6
2
1
0
−1
−2
pull1D
Entries 49
Mean −0.002359
Std Dev 0.9275
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

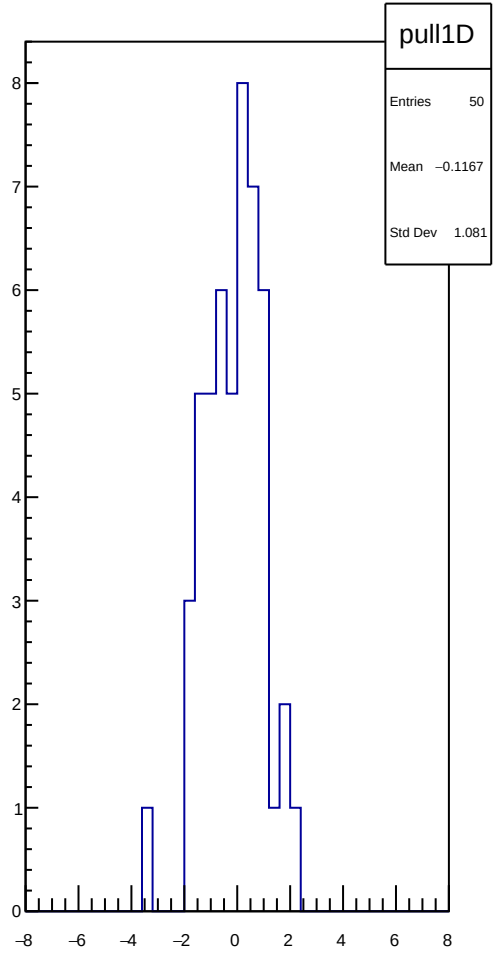

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 45.93 / 48
p0 6.452 ± 34.57
600
400
200
0
−200
−400
−600
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 49
Mean 55.7
Std Dev 21.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

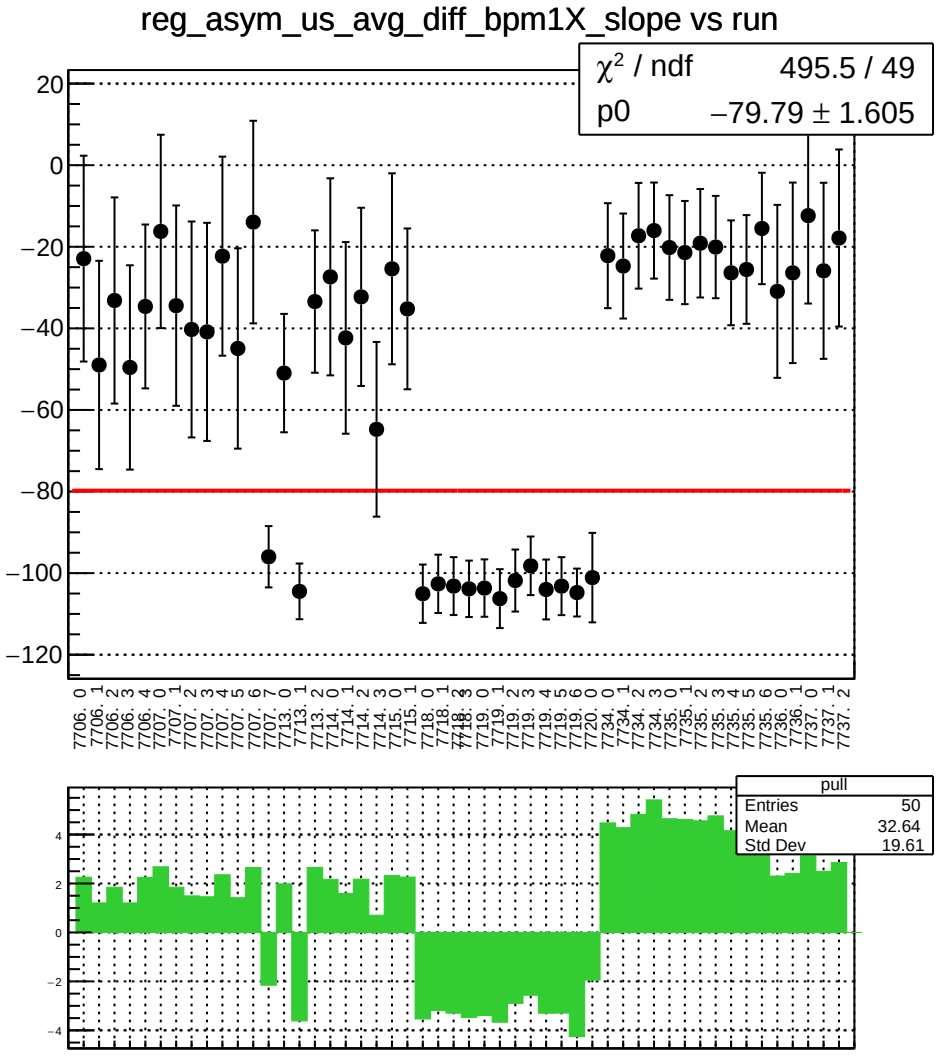

pull1D
Entries 49
Mean 0.03876
Std Dev 0.9674
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

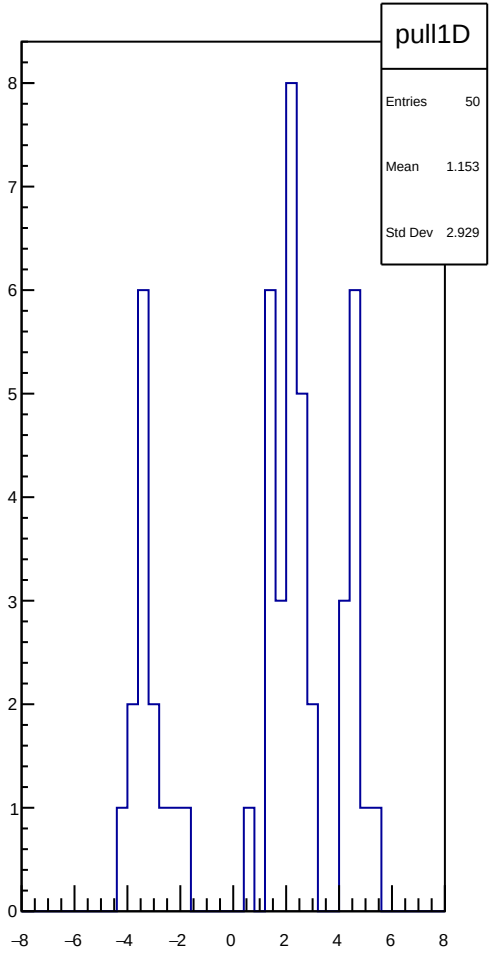

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 44.67 / 48
p0 −178.4 ± 76.7
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 49
Mean 126.8
Std Dev 102.3
2
1
0
−1
−2

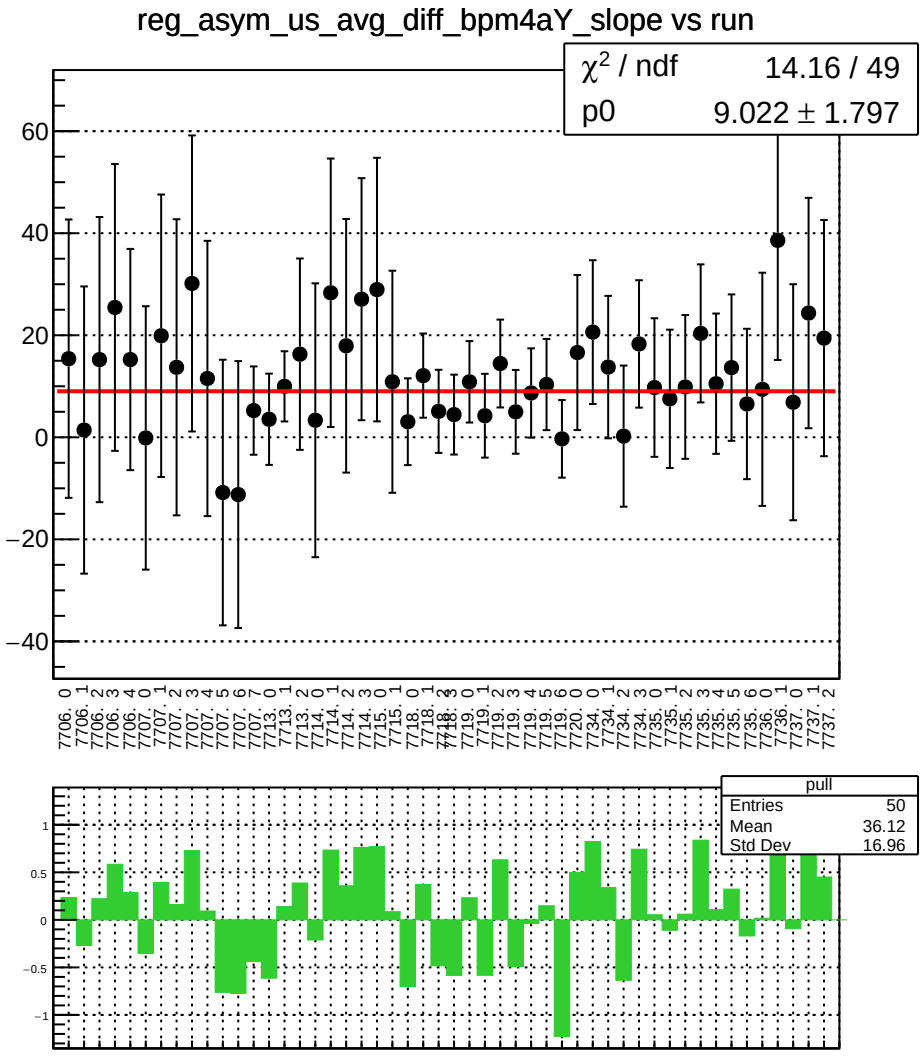

pull1D
Entries 49
Mean −0.01782
Std Dev 0.9546
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

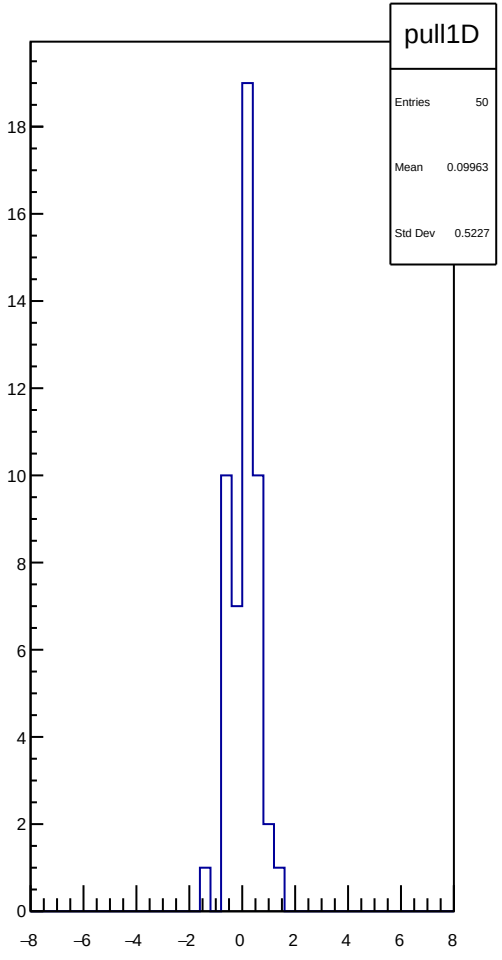

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 59.08 / 49
p0 −6.354 ± 3.822
pull
Entries 50
Mean 13.4
Std Dev 20.56

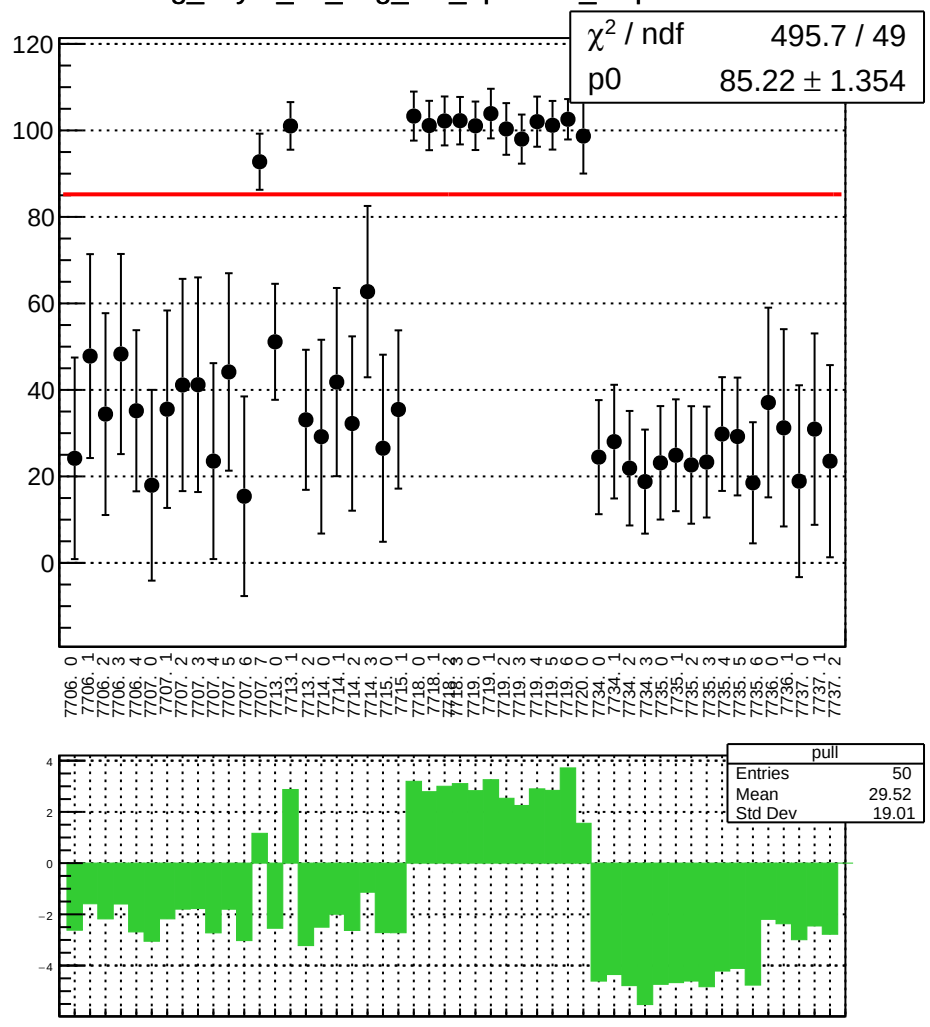

pull1D
Entries 50
Mean −0.1167
Std Dev 1.081

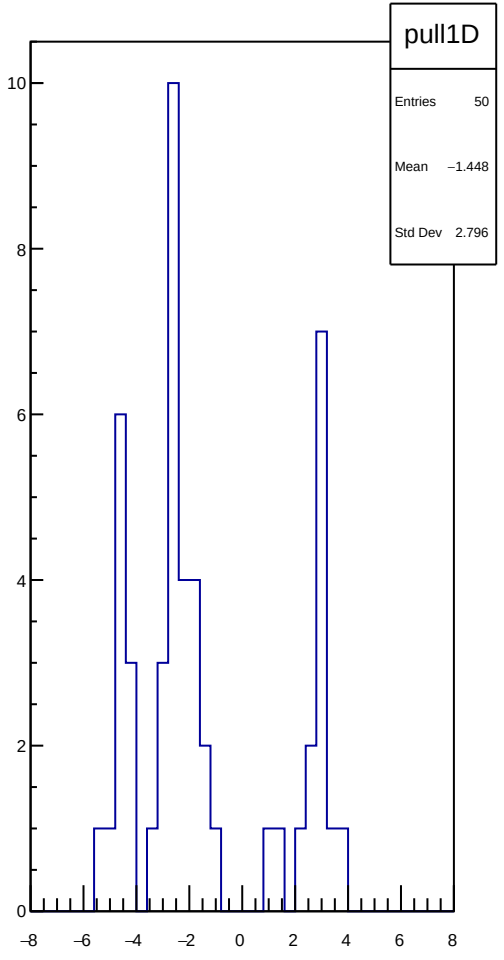

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 495.5 / 49
p0 −79.79 ± 1.605
pull
Entries 50
Mean 32.64
Std Dev 19.61

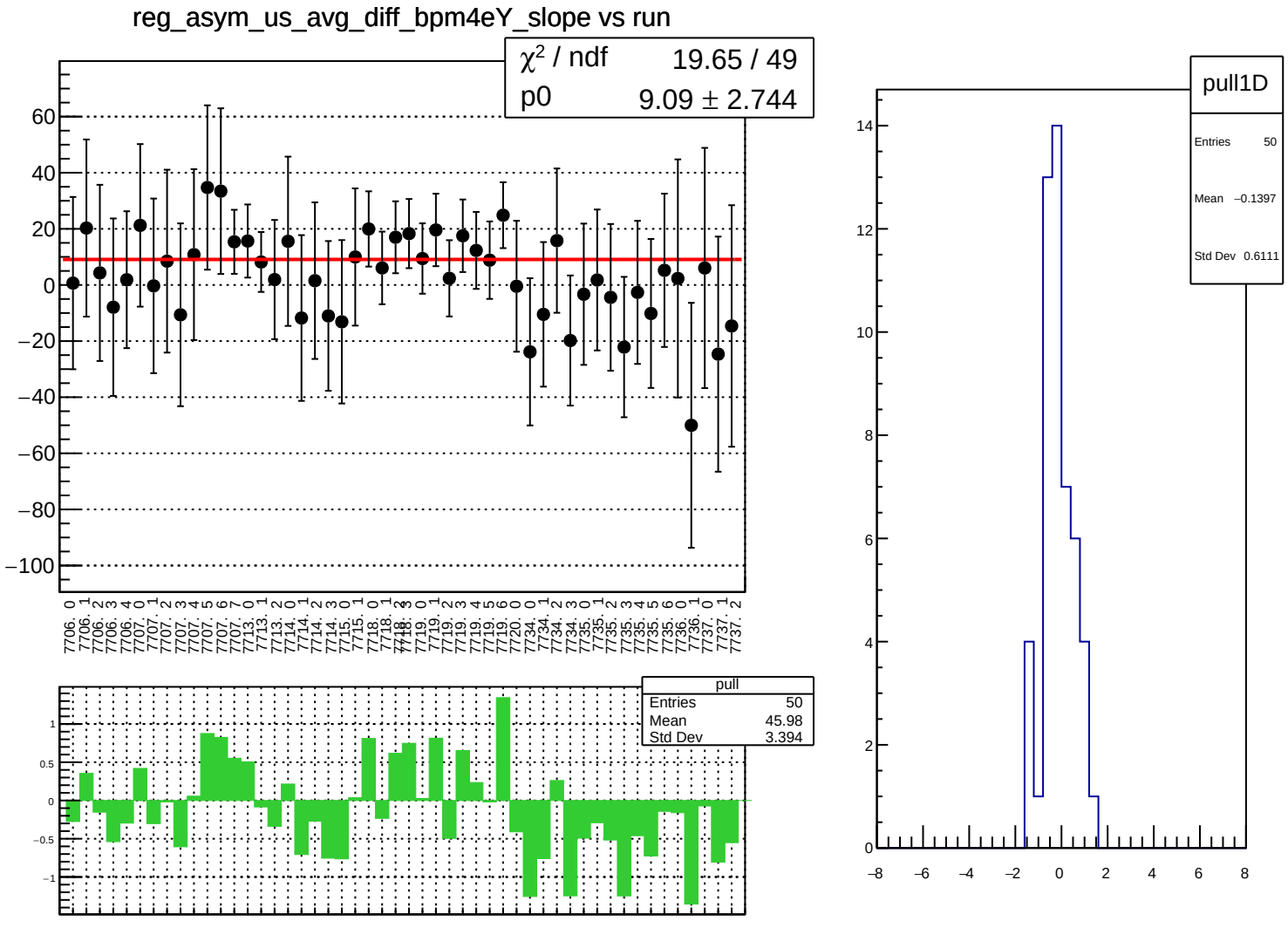

pull1D
Entries 50
Mean 1.153
Std Dev 2.929

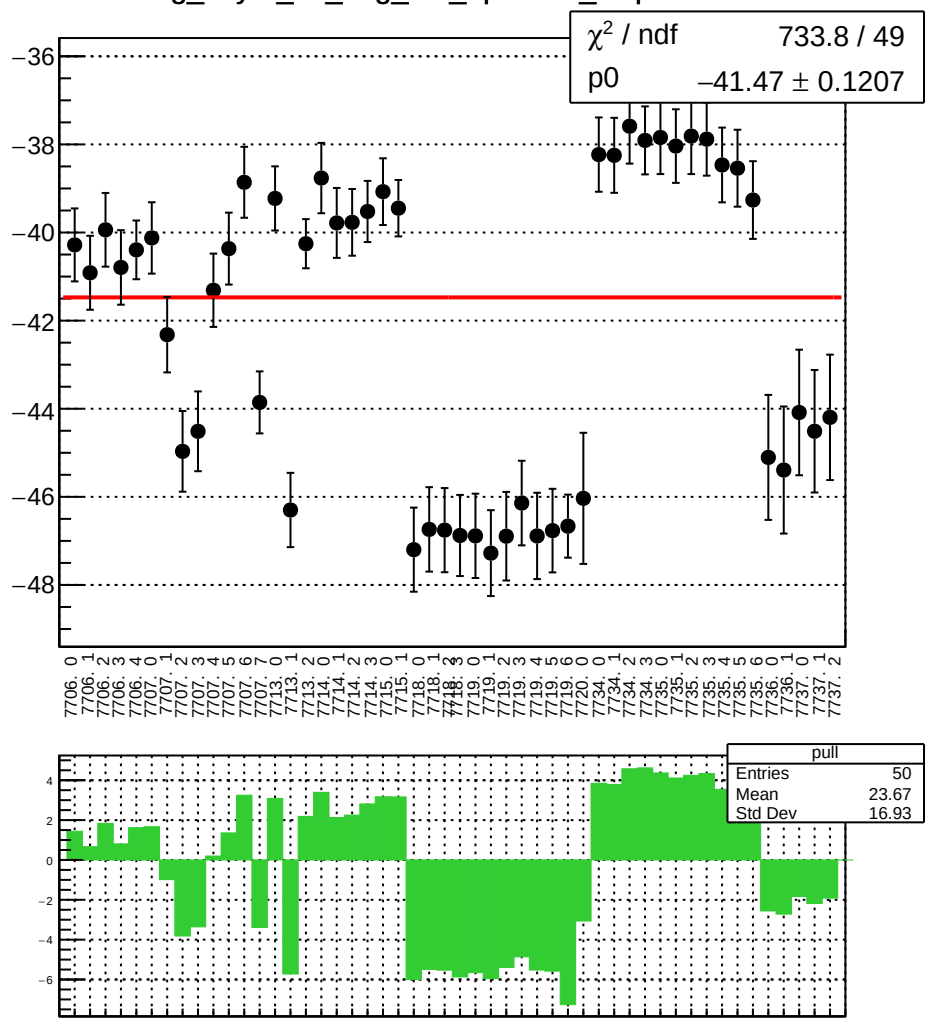

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.16 / 49
p0 9.022 ± 1.797
pull
Entries 50
Mean 36.12
Std Dev 16.96

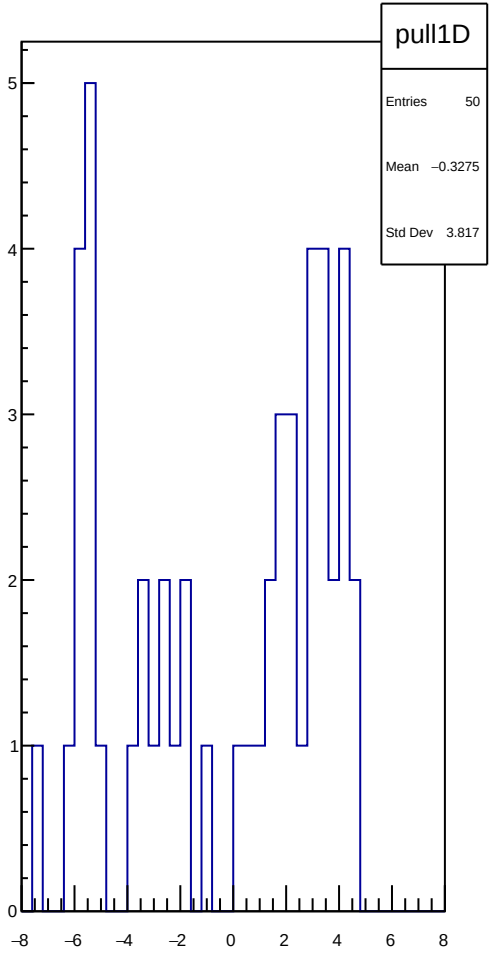

pull1D
Entries 50
Mean 0.09963
Std Dev 0.5227

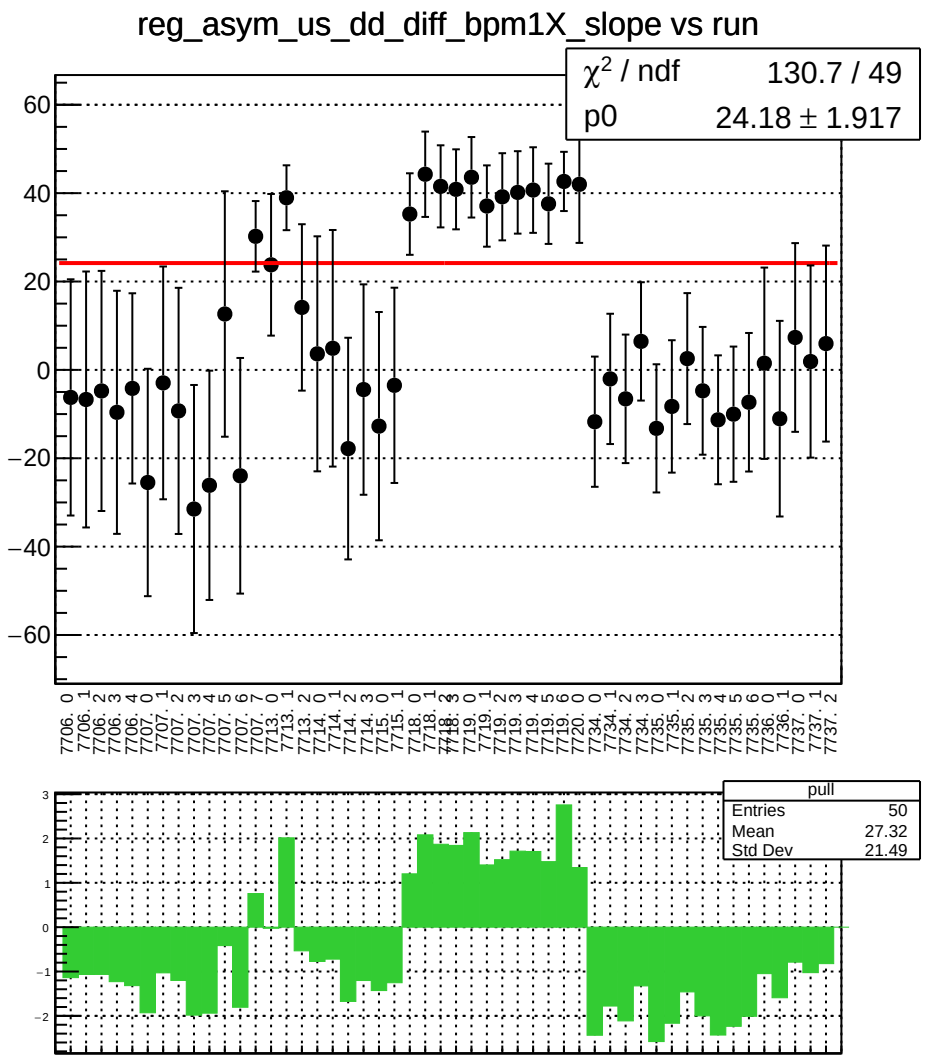

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 495.7 / 49
p0 85.22 ± 1.354
pull
Entries 50
Mean 29.52
Std Dev 19.01

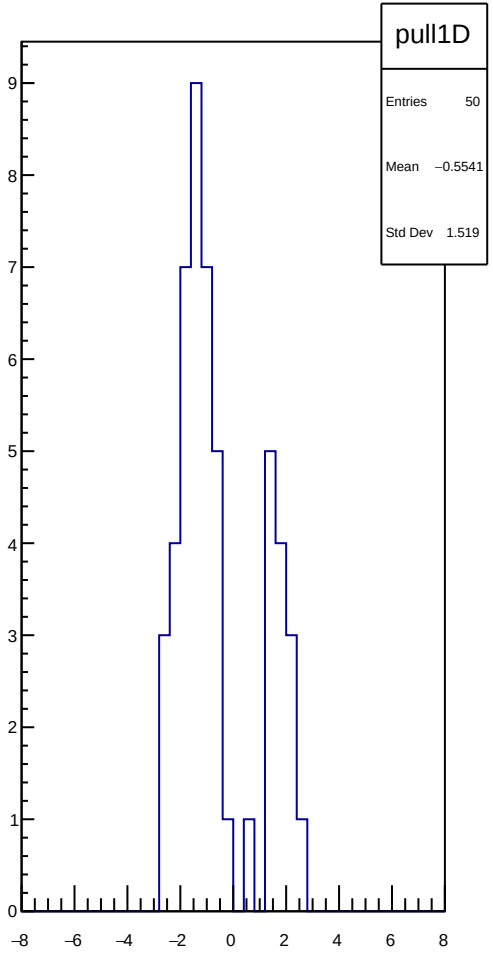

pull1D
Entries 50
Mean −1.448
Std Dev 2.796

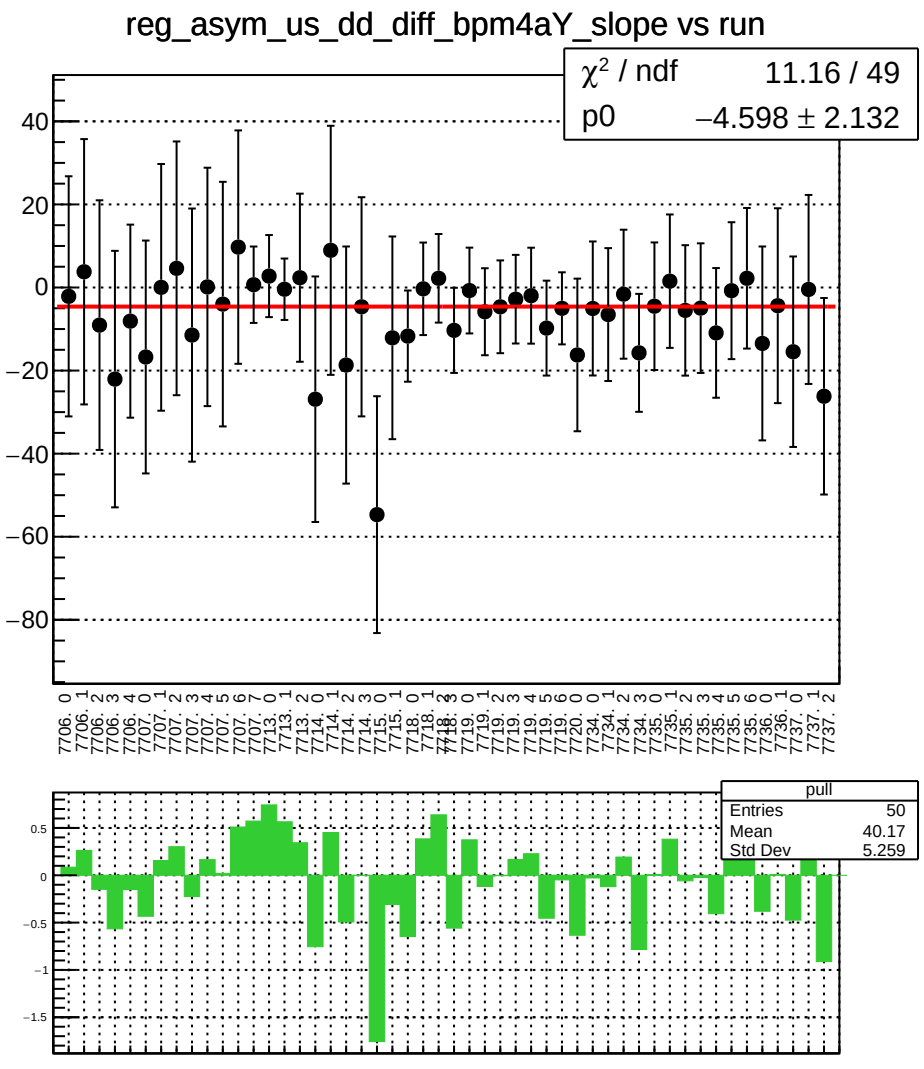

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.65 / 49
p0 9.09 ± 2.744
pull
Entries 50
Mean 45.98
Std Dev 3.394
pull1D
Entries 50
Mean −0.1397
Std Dev 0.6111

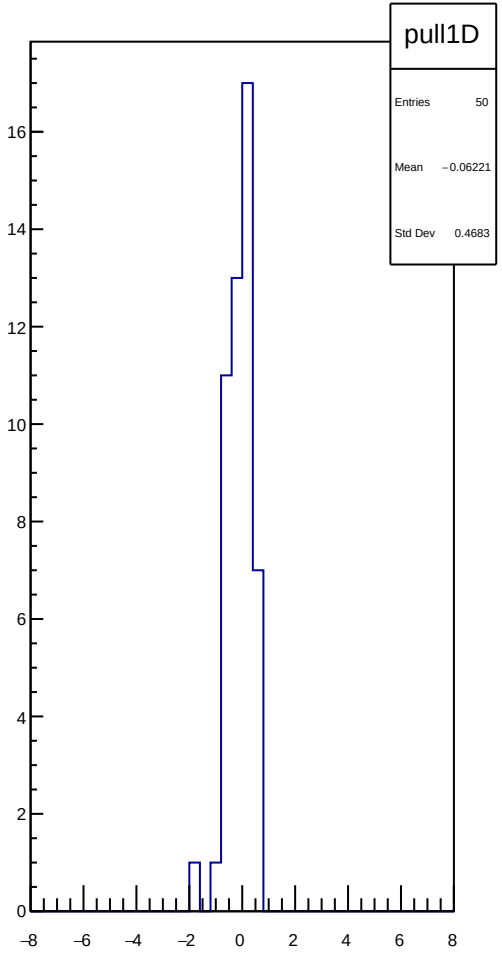

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 733.8 / 49
p0 −41.47 ± 0.1207
pull
Entries 50
Mean 23.67
Std Dev 16.93

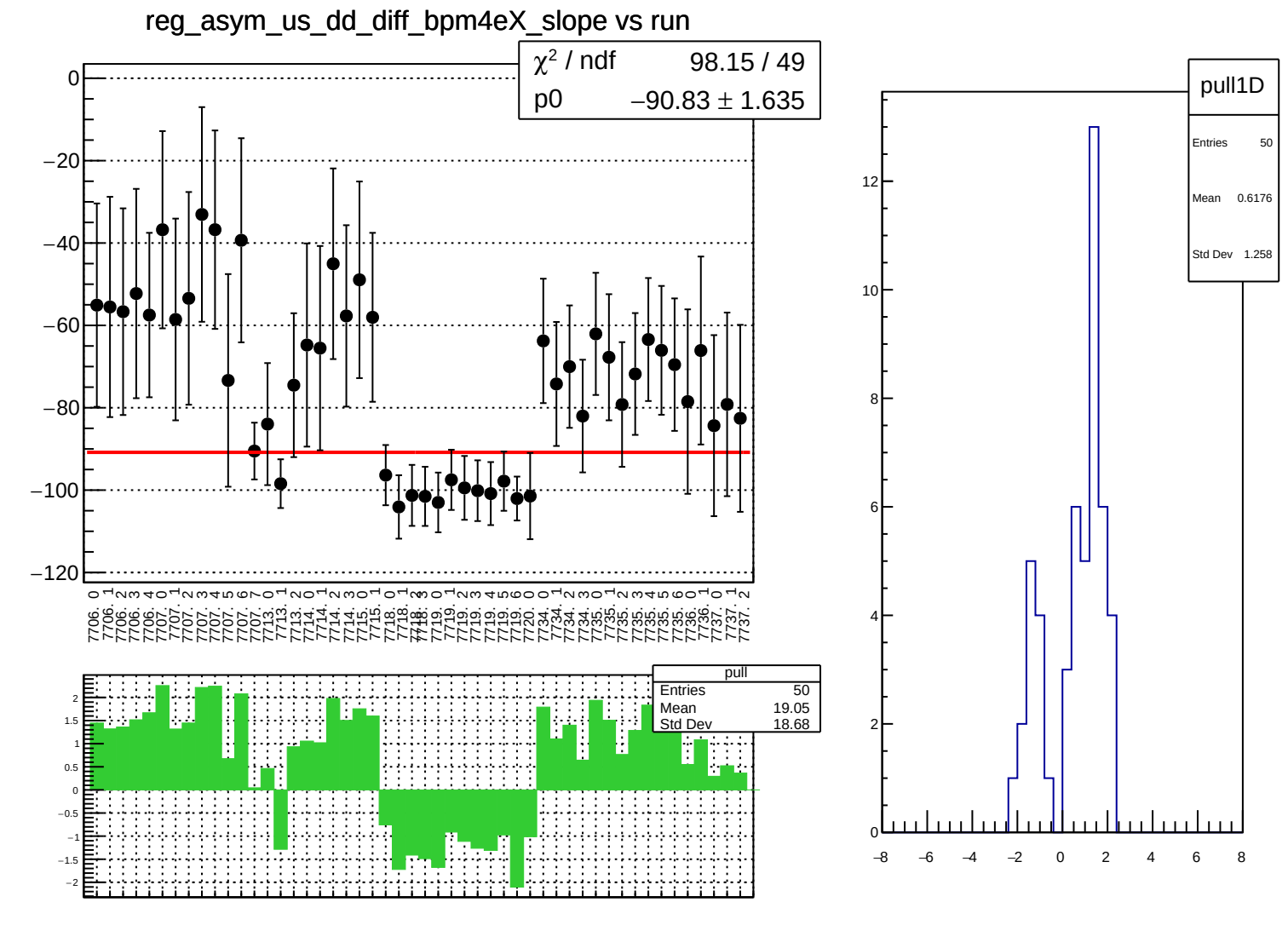

pull1D
Entries 50
Mean −0.3275
Std Dev 3.817

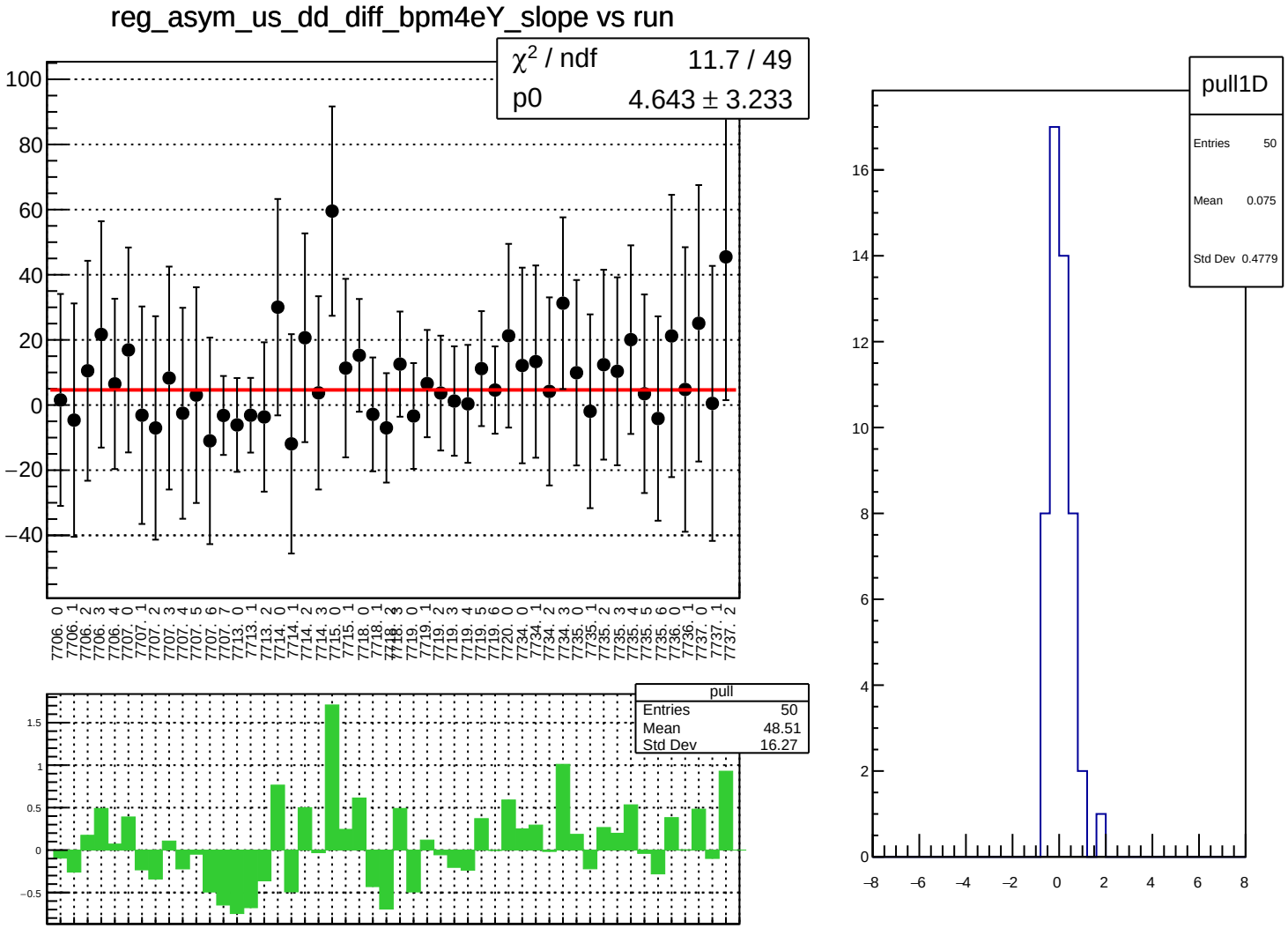

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 130.7 / 49
p0 24.18 ± 1.917
pull
Entries 50
Mean 27.32
Std Dev 21.49

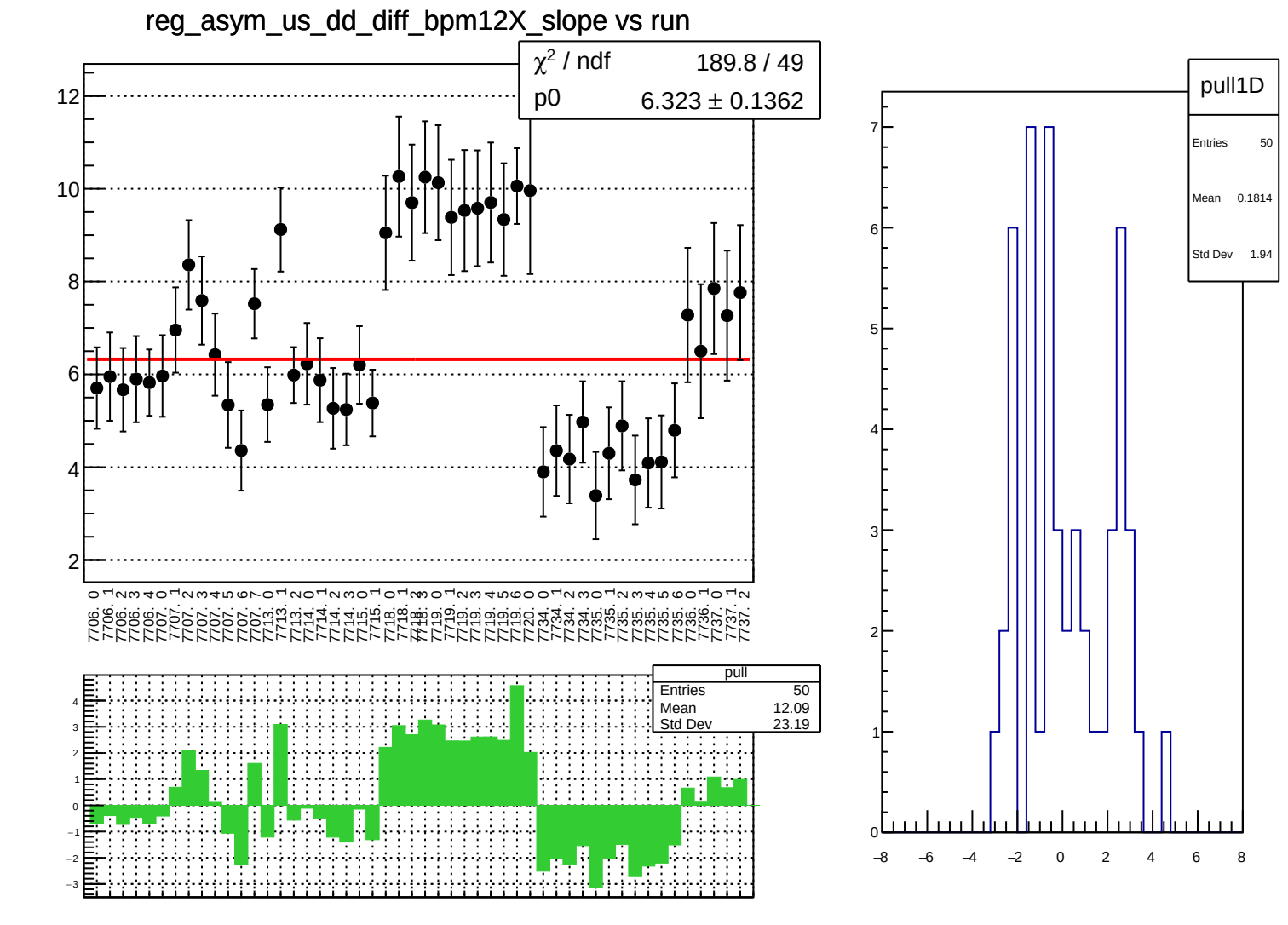

pull1D
Entries 50
Mean −0.5541
Std Dev 1.519

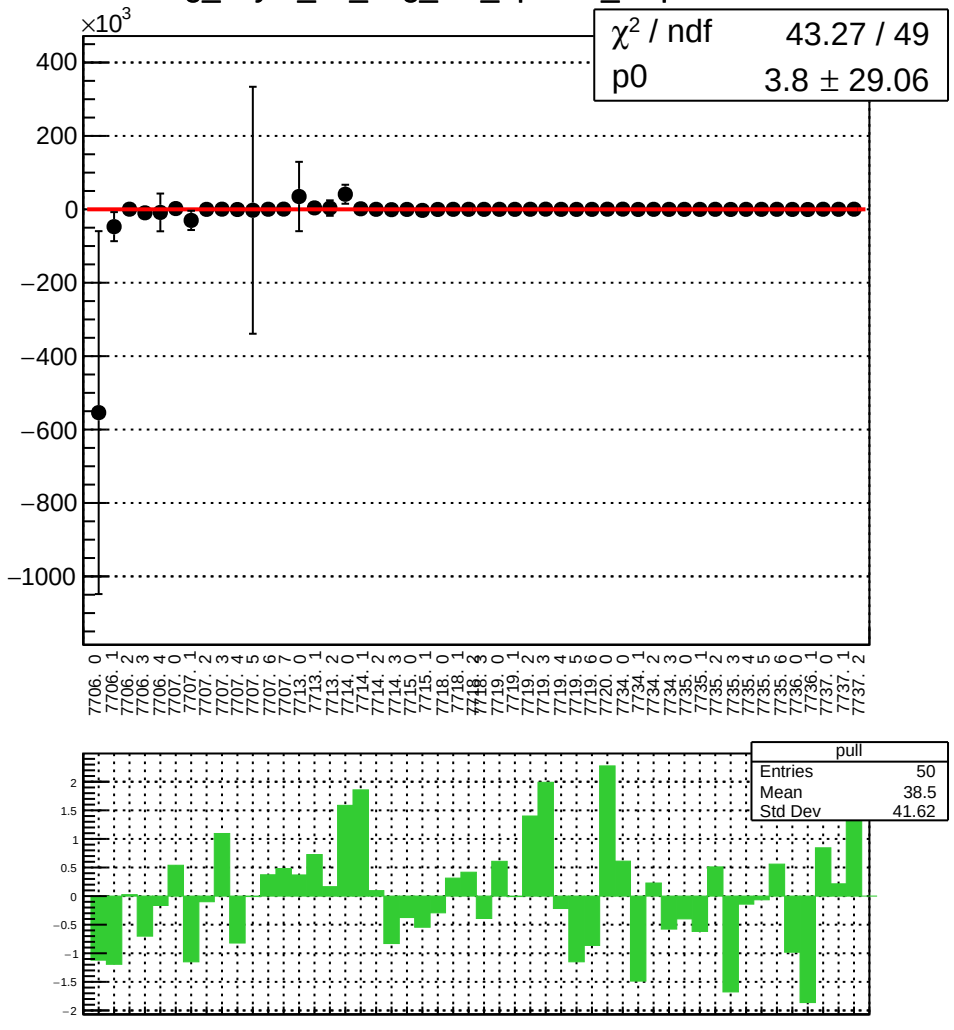

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.16 / 49
p0 −4.598 ± 2.132
pull
Entries 50
Mean 40.17
Std Dev 5.259

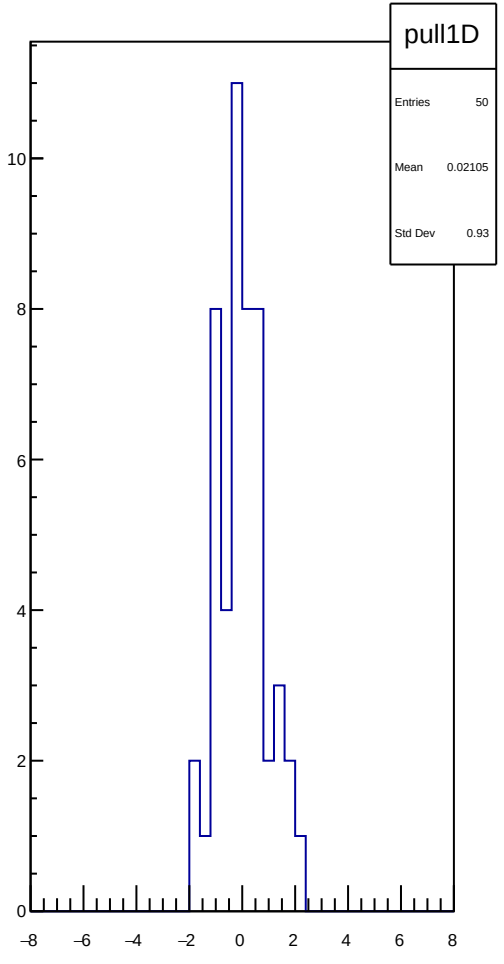

pull1D
Entries 50
Mean −0.06221
Std Dev 0.4683

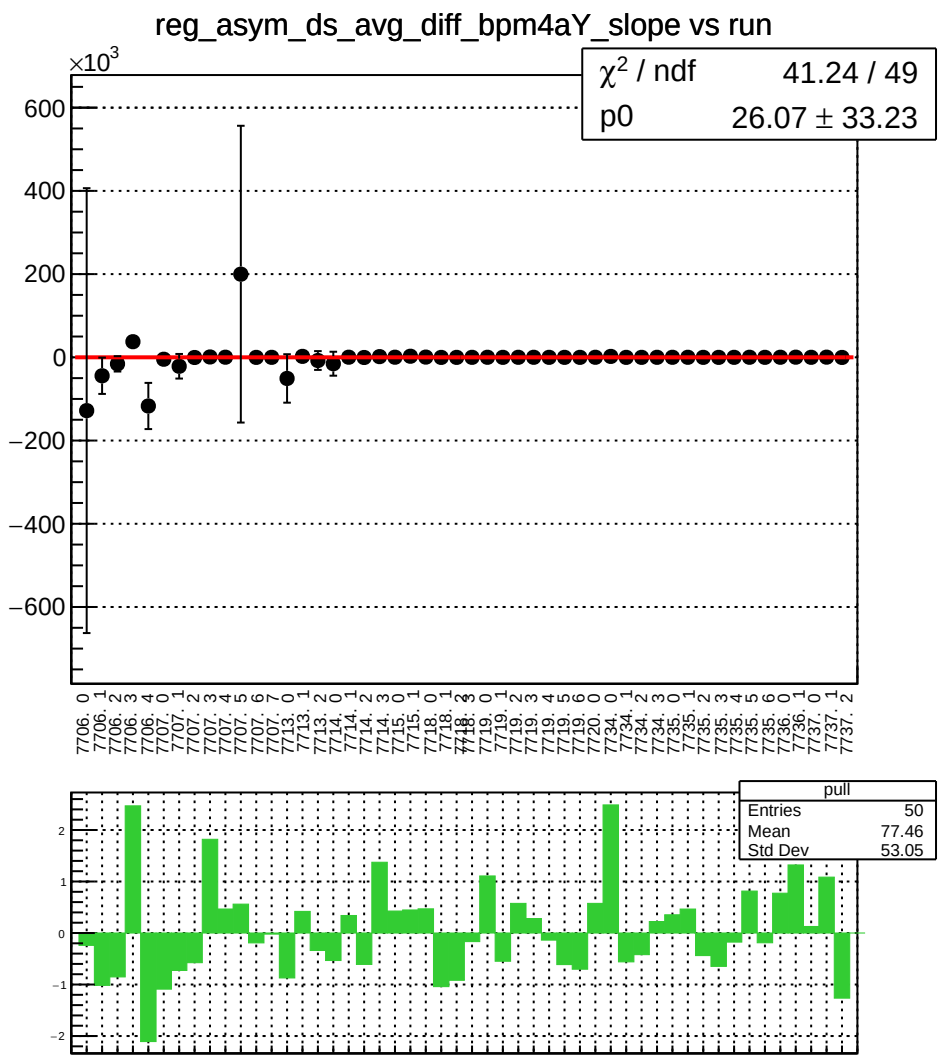

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 98.15 / 49
p0 −90.83 ± 1.635
pull
Entries 50
Mean 19.05
Std Dev 18.68
pull1D
Entries 50
Mean 0.6176
Std Dev 1.258

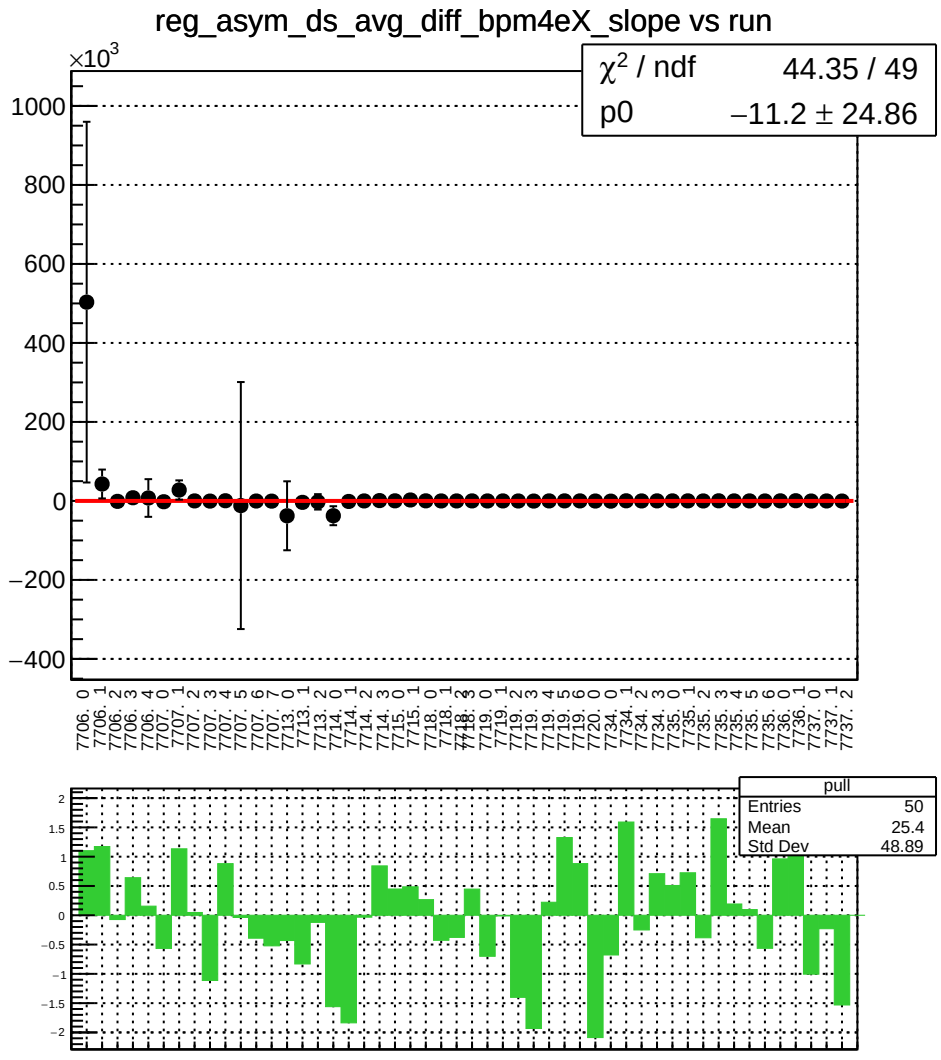

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.7 / 49
p0 4.643 ± 3.233
pull
Entries 50
Mean 48.51
Std Dev 16.27
pull1D
Entries 50
Mean 0.075
Std Dev 0.4779

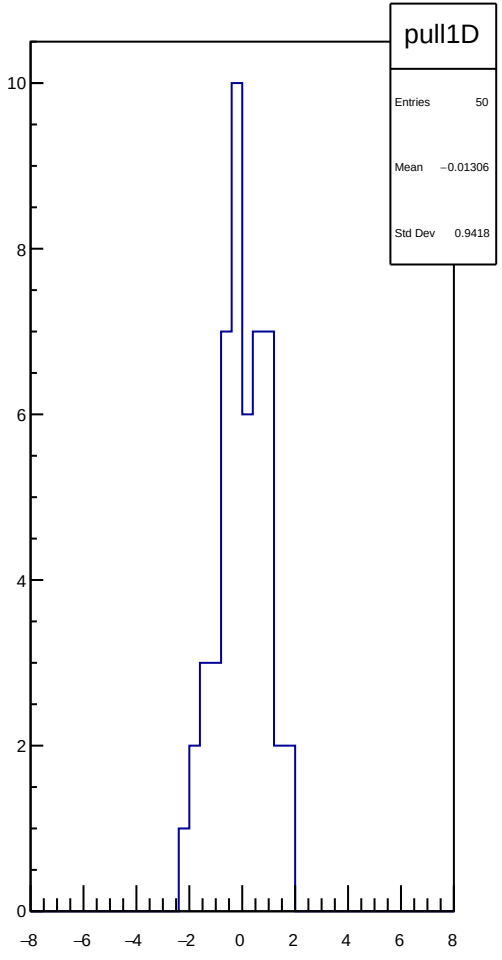

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 189.8 / 49
p0 6.323 ± 0.1362
pull
Entries 50
Mean 12.09
Std Dev 23.19
pull1D
Entries 50
Mean 0.1814
Std Dev 1.94

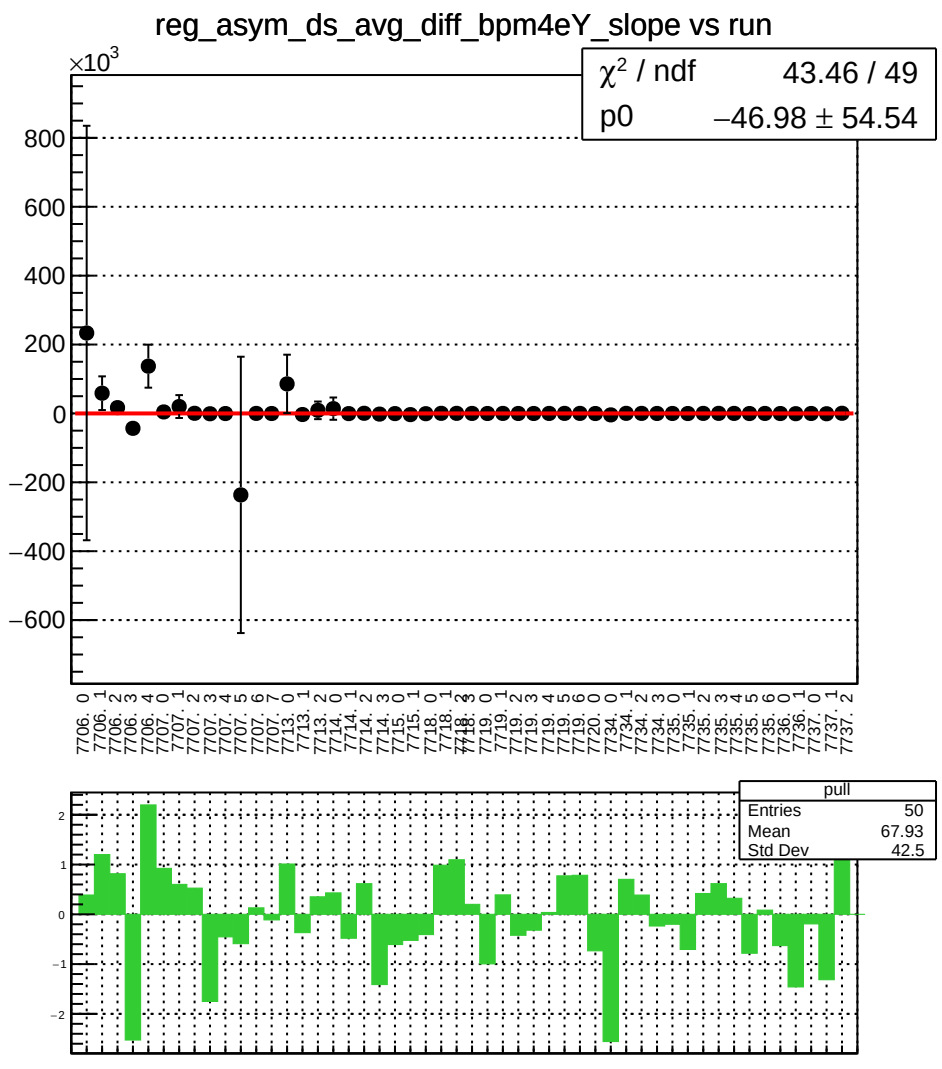

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 43.27 / 49
p0 3.8 ± 29.06
pull
Entries 50
Mean 38.5
Std Dev 41.62

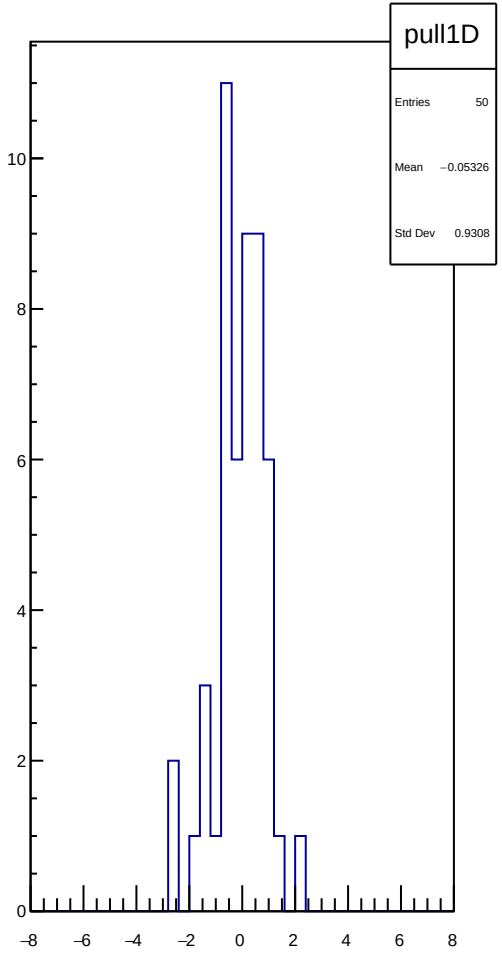

pull1D
Entries 50
Mean 0.02105
Std Dev 0.93

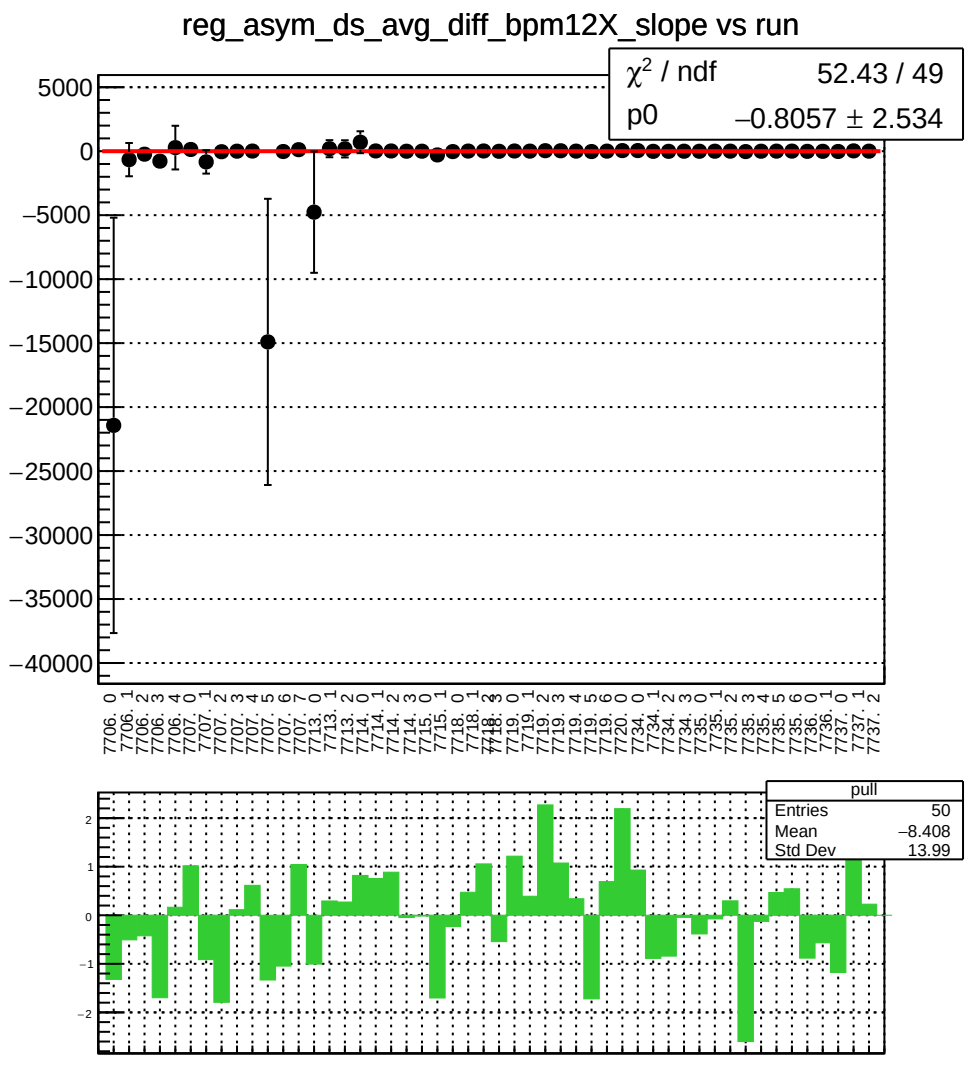

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 41.24 / 49
p0 26.07 ± 33.23
600
400
200
0
−200
−400
−600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 77.46
Std Dev 53.05
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.03961
Std Dev 0.9073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

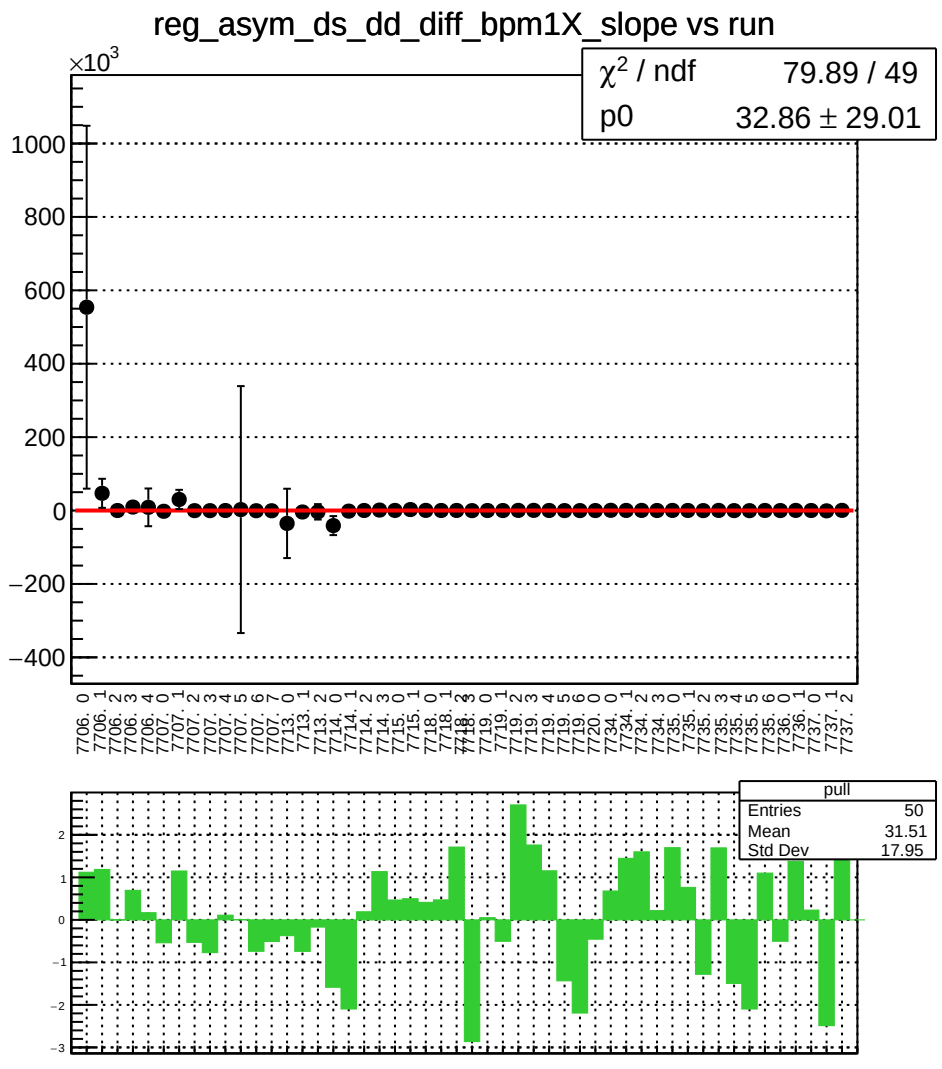

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 44.35 / 49
p0 −11.2 ± 24.86
1000
800
600
400
200
0
−200
−400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 25.4
Std Dev 48.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

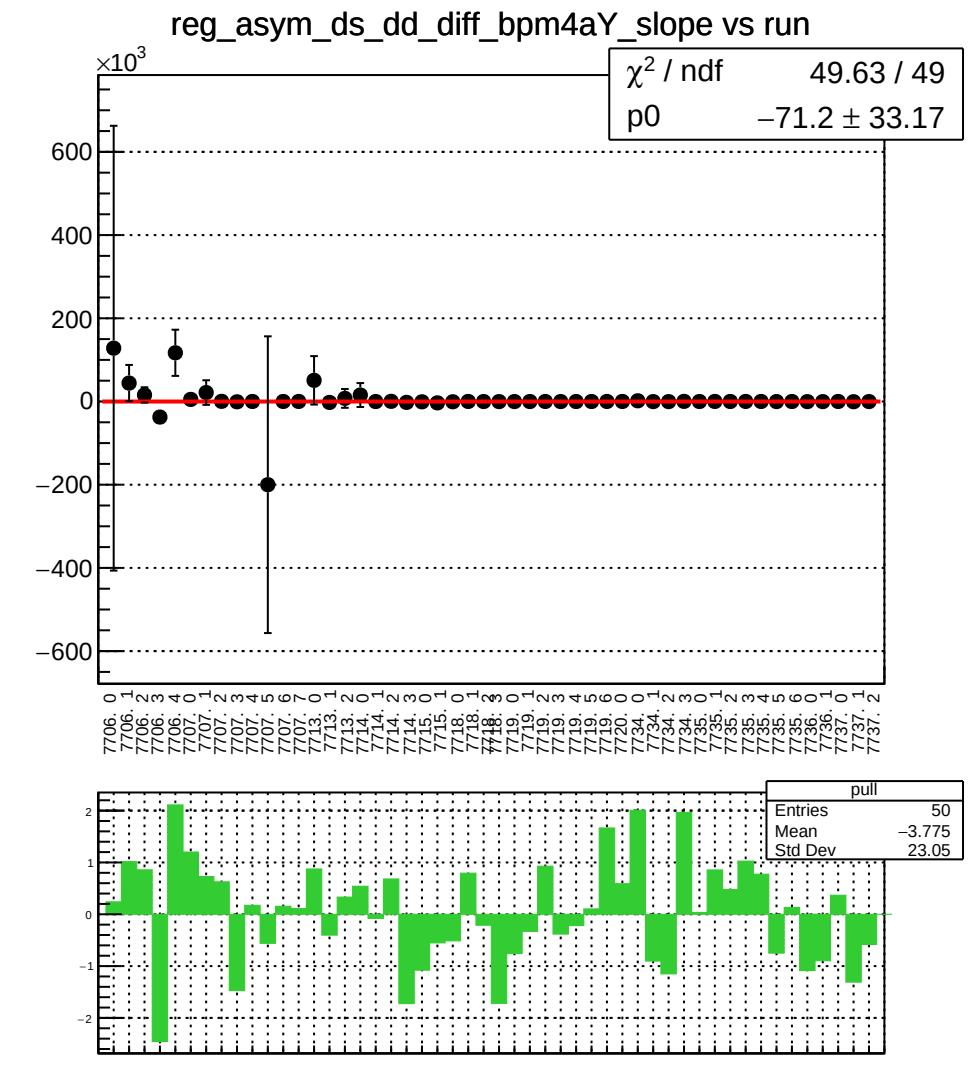

pull1D
Entries 50
Mean −0.01306
Std Dev 0.9418
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

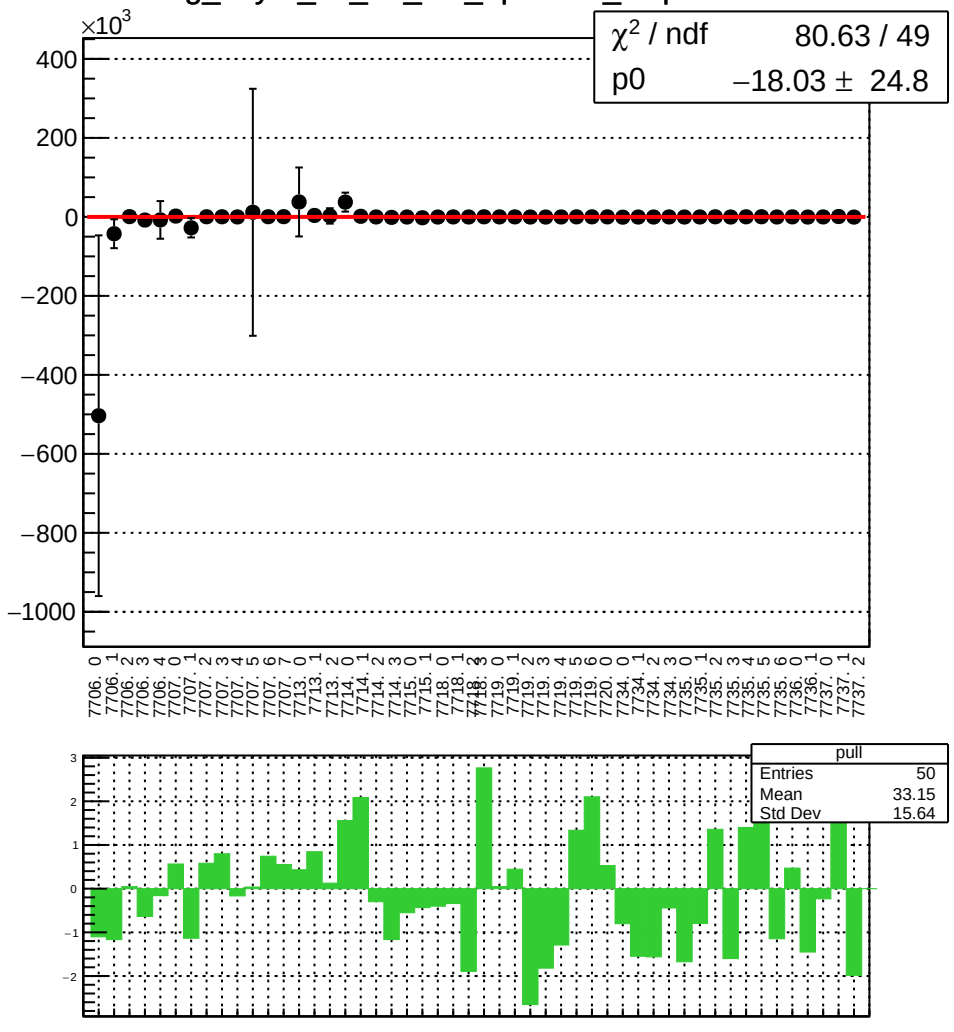

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 43.46 / 49
p0 −46.98 ± 54.54
800
600
400
200
0
−200
−400
−600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 67.93
Std Dev 42.5
2
1
0
−1
−2

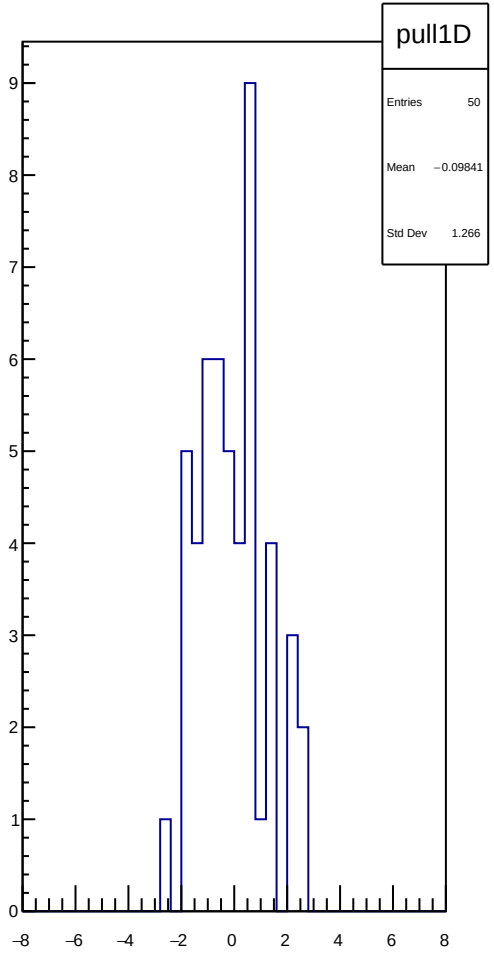

pull1D
Entries 50
Mean −0.05326
Std Dev 0.9308
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

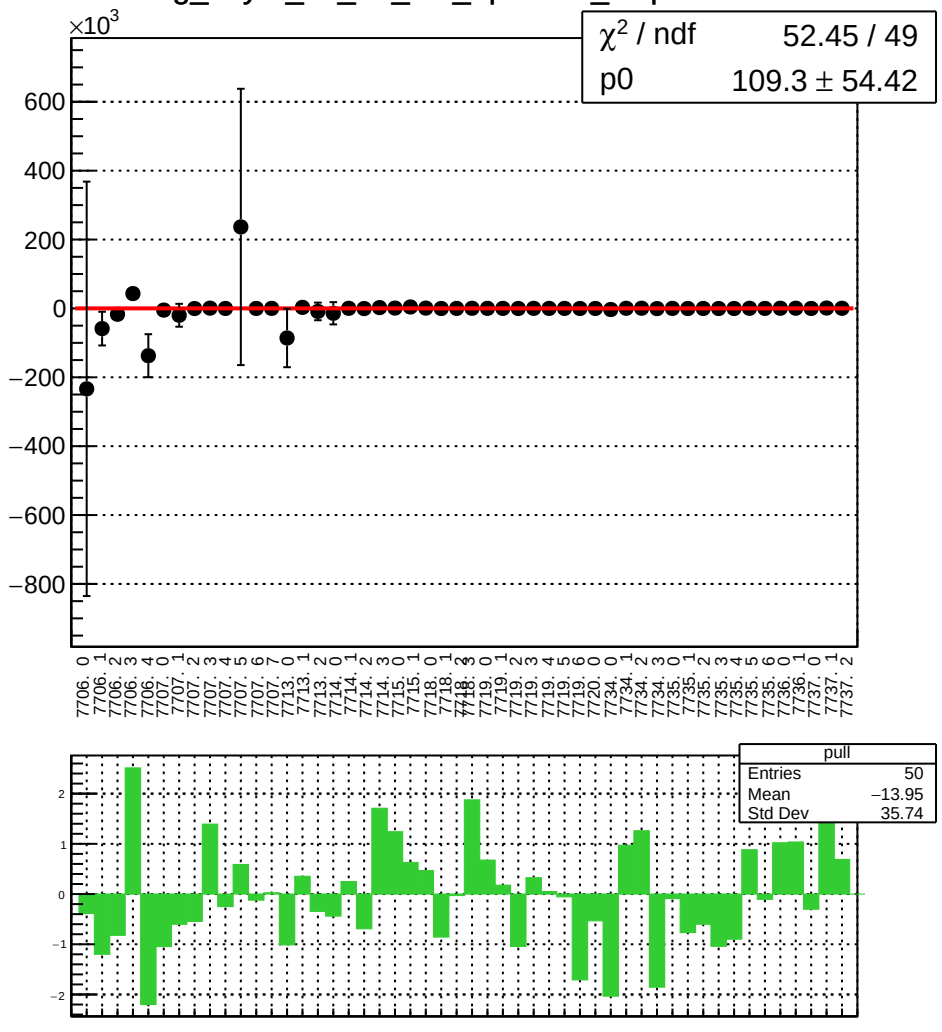

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 52.43 / 49
p0 −0.8057 ± 2.534
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −8.408
Std Dev 13.99
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.05103
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

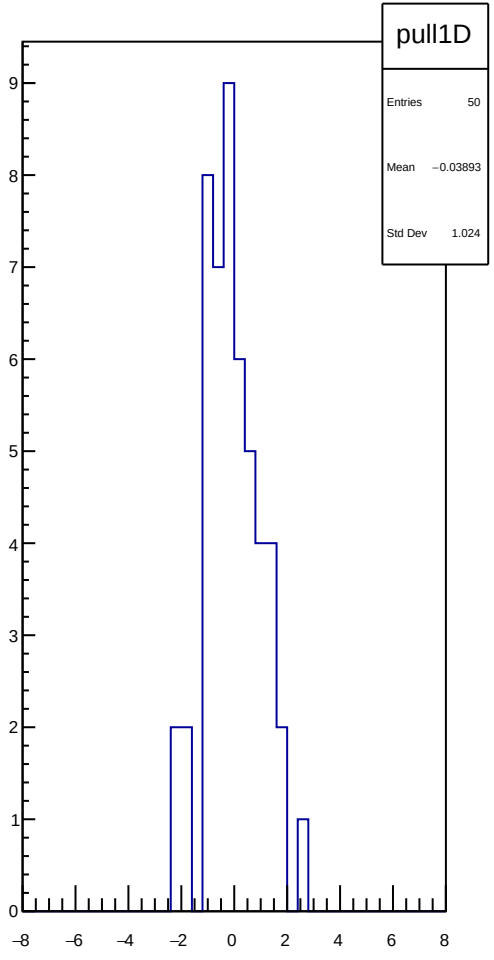

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 79.89 / 49
p0 32.86 ± 29.01
1000
800
600
400
200
0
−200
−400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 31.51
Std Dev 17.95
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.08912
Std Dev 1.261
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

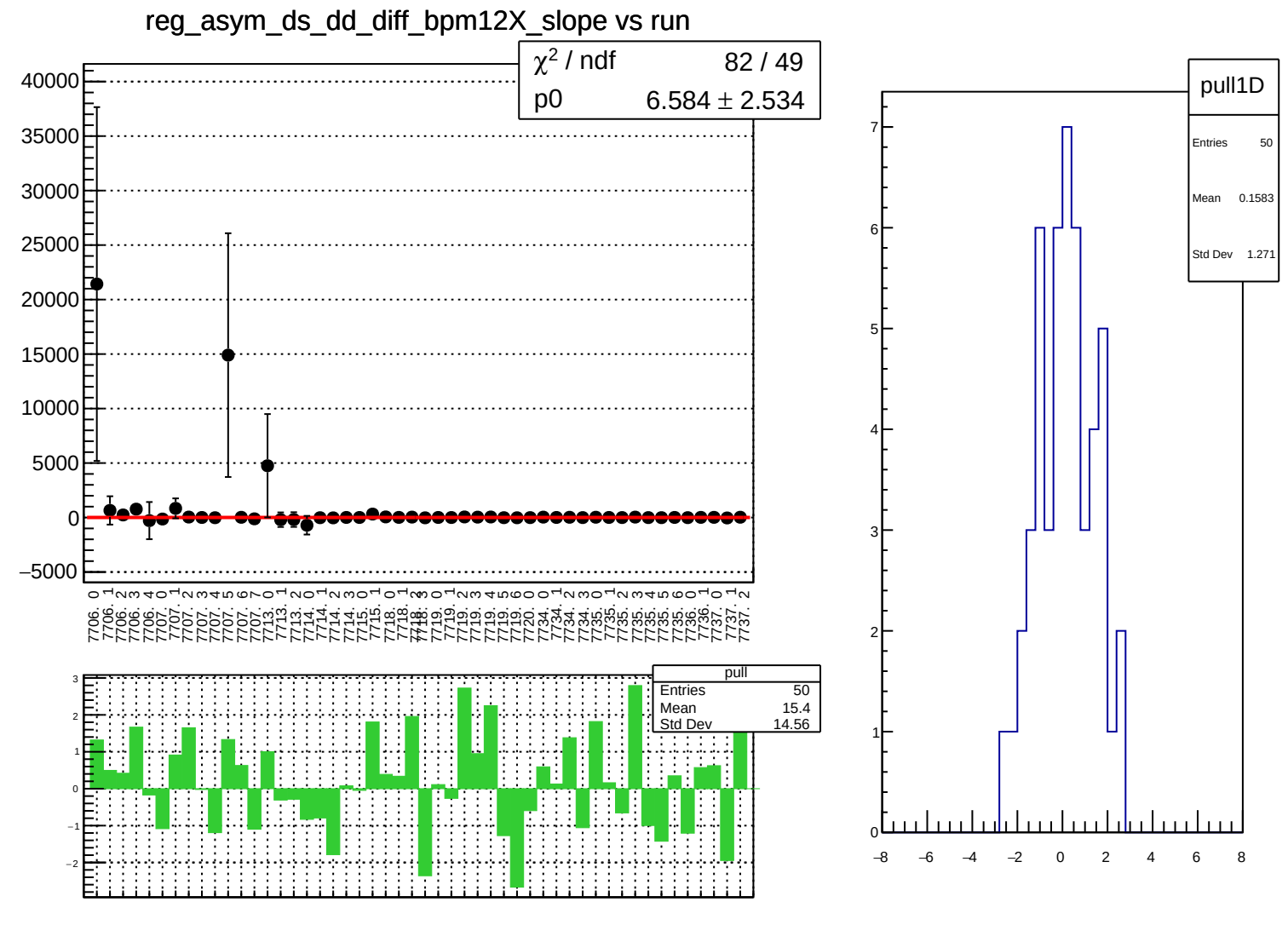

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 49.63 / 49
p0 −71.2 ± 33.17
600
400
200
0
−200
−400
−600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −3.775
Std Dev 23.05
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.04465
Std Dev 0.9953
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

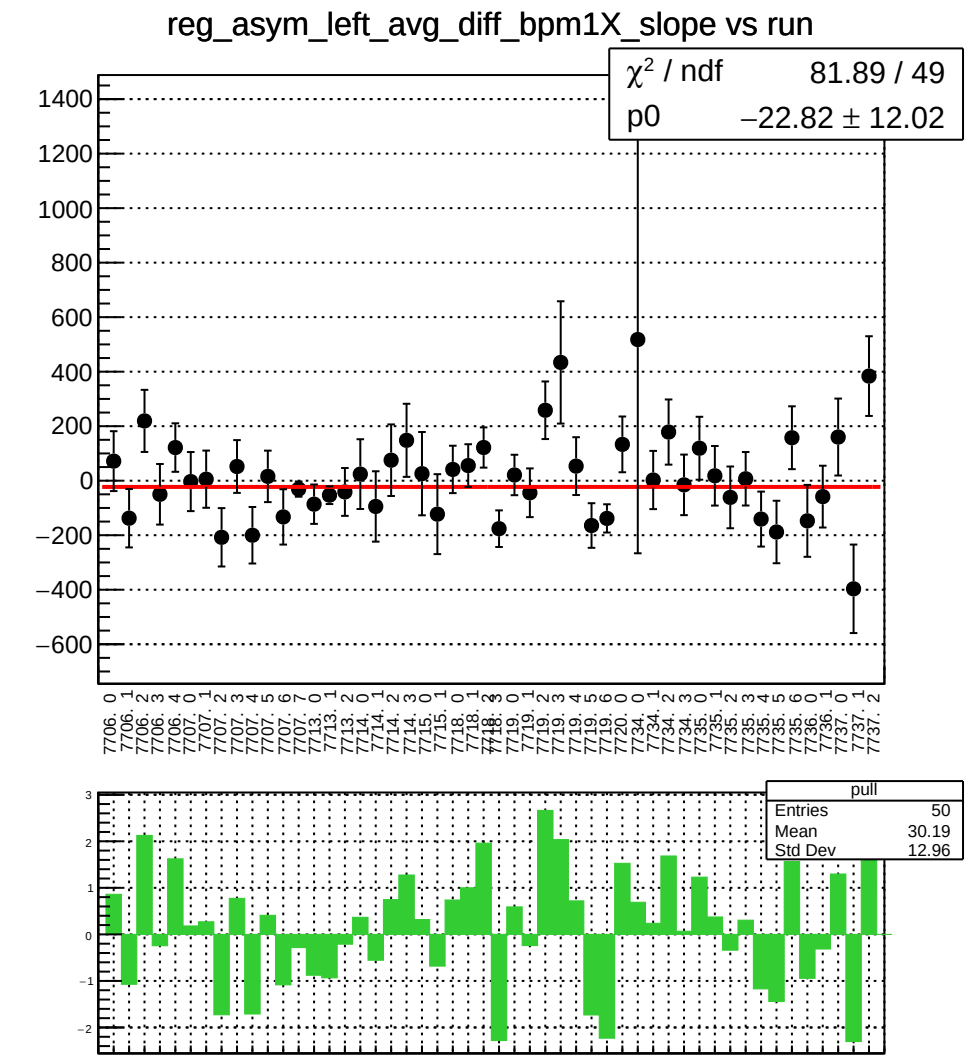

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 80.63 / 49
p0 −18.03 ± 24.8
400
200
0
−200
−400
−600
−800
−1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 33.15
Std Dev 15.64
3
2
1
0
−1
−2

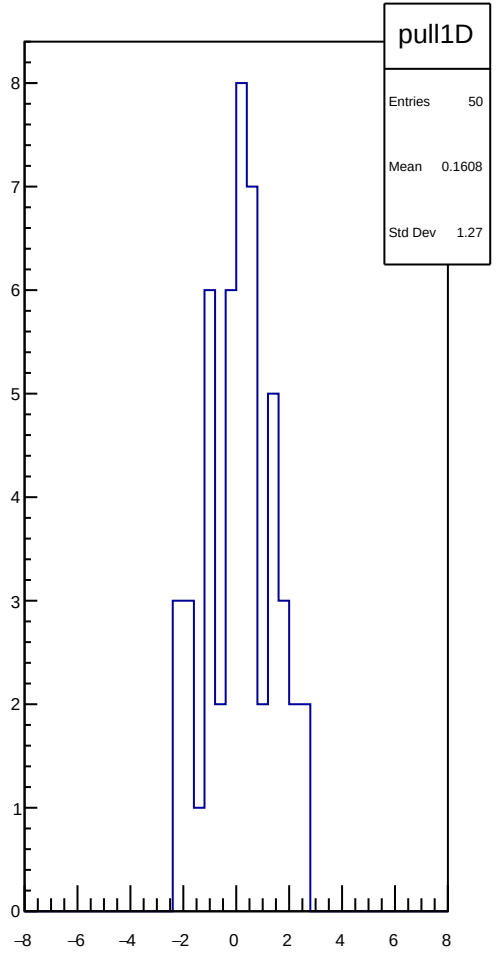

pull1D
Entries 50
Mean −0.09841
Std Dev 1.266
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

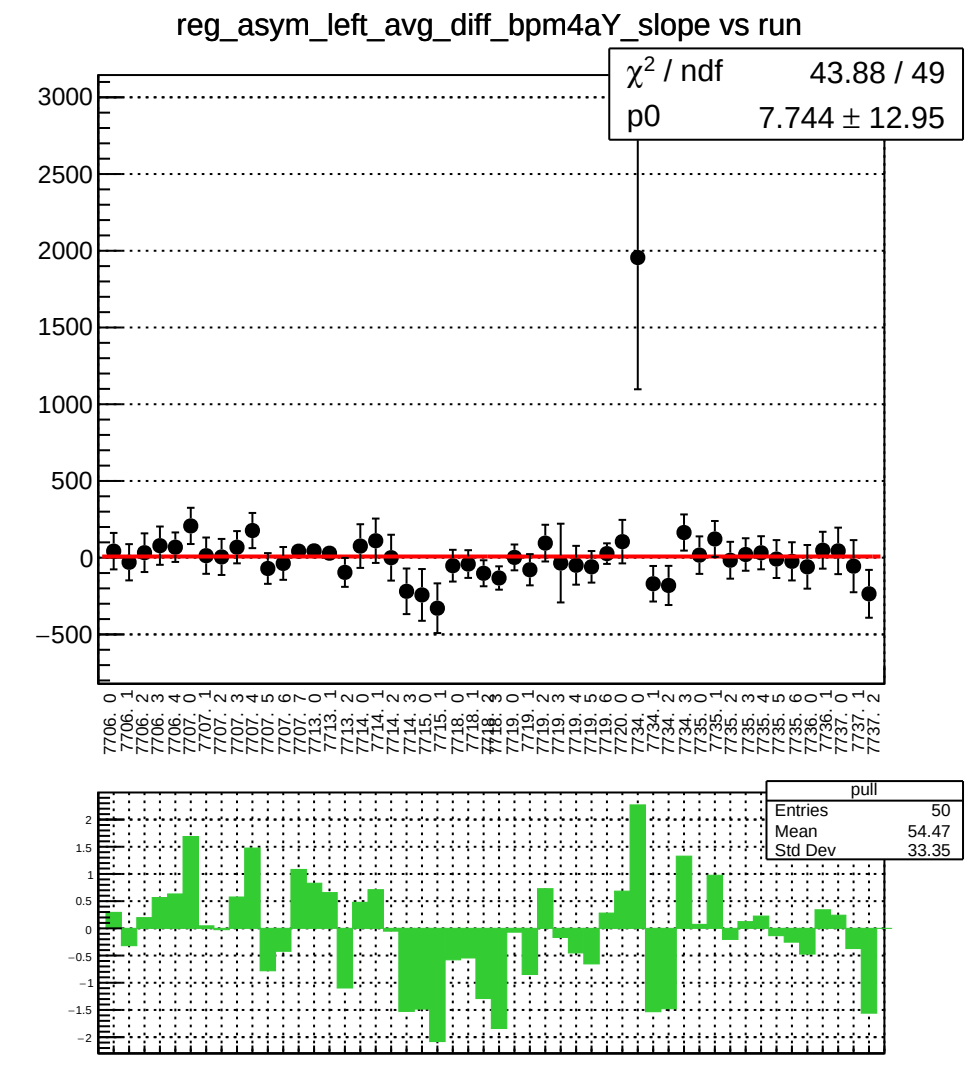

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 52.45 / 49
p0 109.3 ± 54.42
600
400
200
0
−200
−400
−600
−800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −13.95
Std Dev 35.74
2
1
0
−1
−2

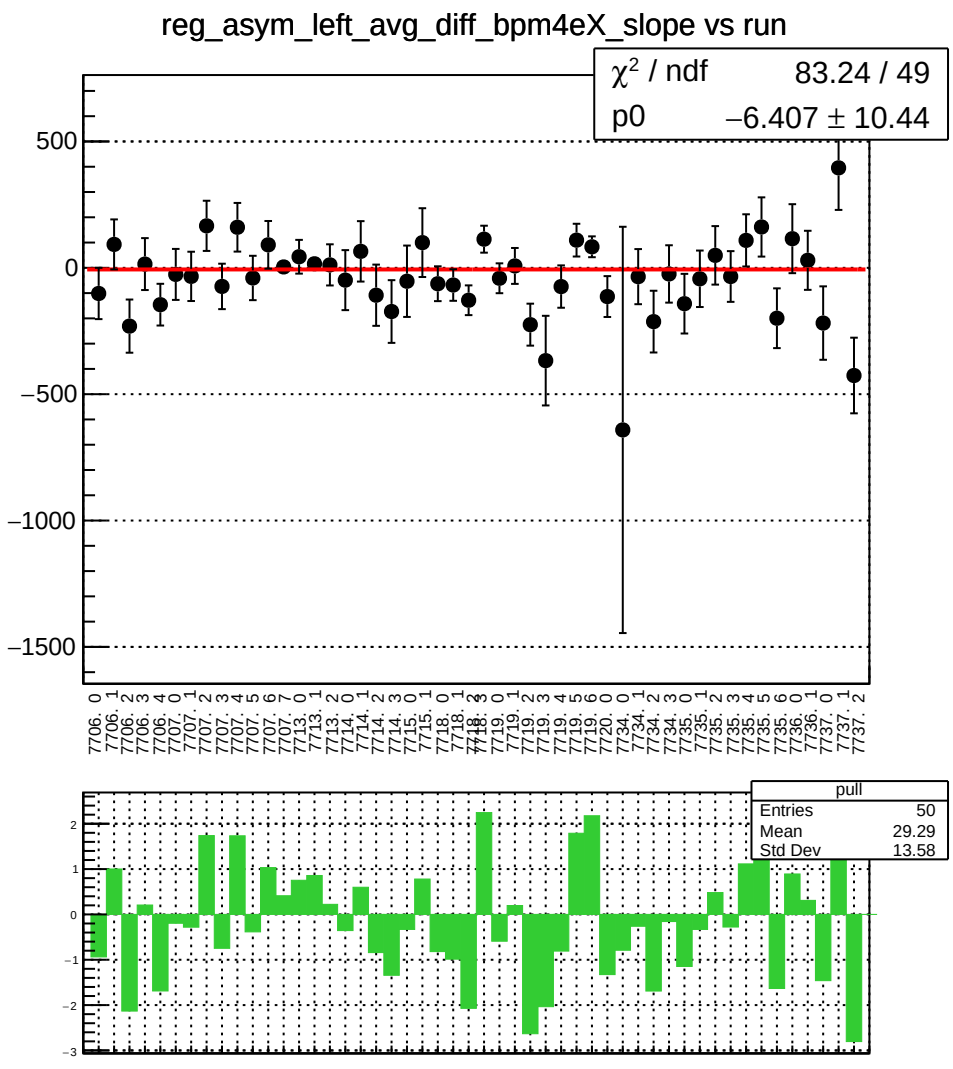

pull1D
Entries 50
Mean −0.03893
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

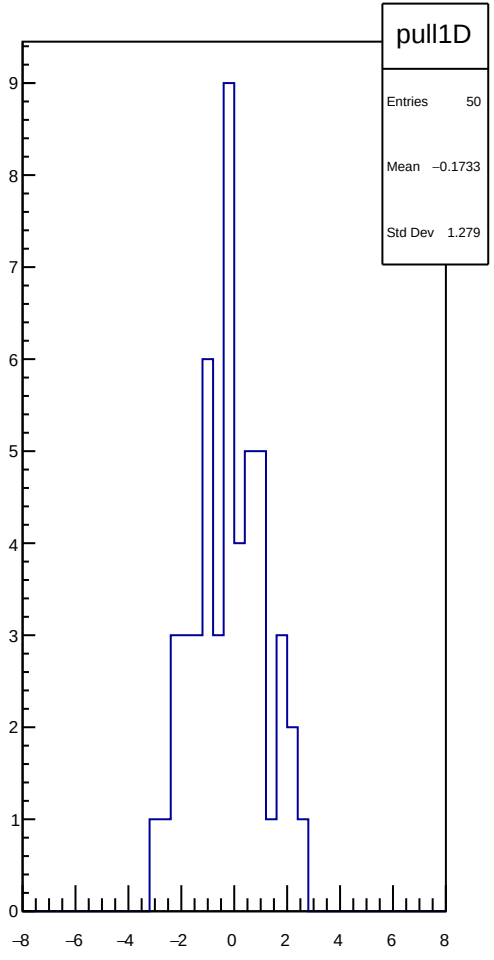

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 82 / 49
p0 6.584 ± 2.534
pull
Entries 50
Mean 15.4
Std Dev 14.56
pull1D
Entries 50
Mean 0.1583
Std Dev 1.271

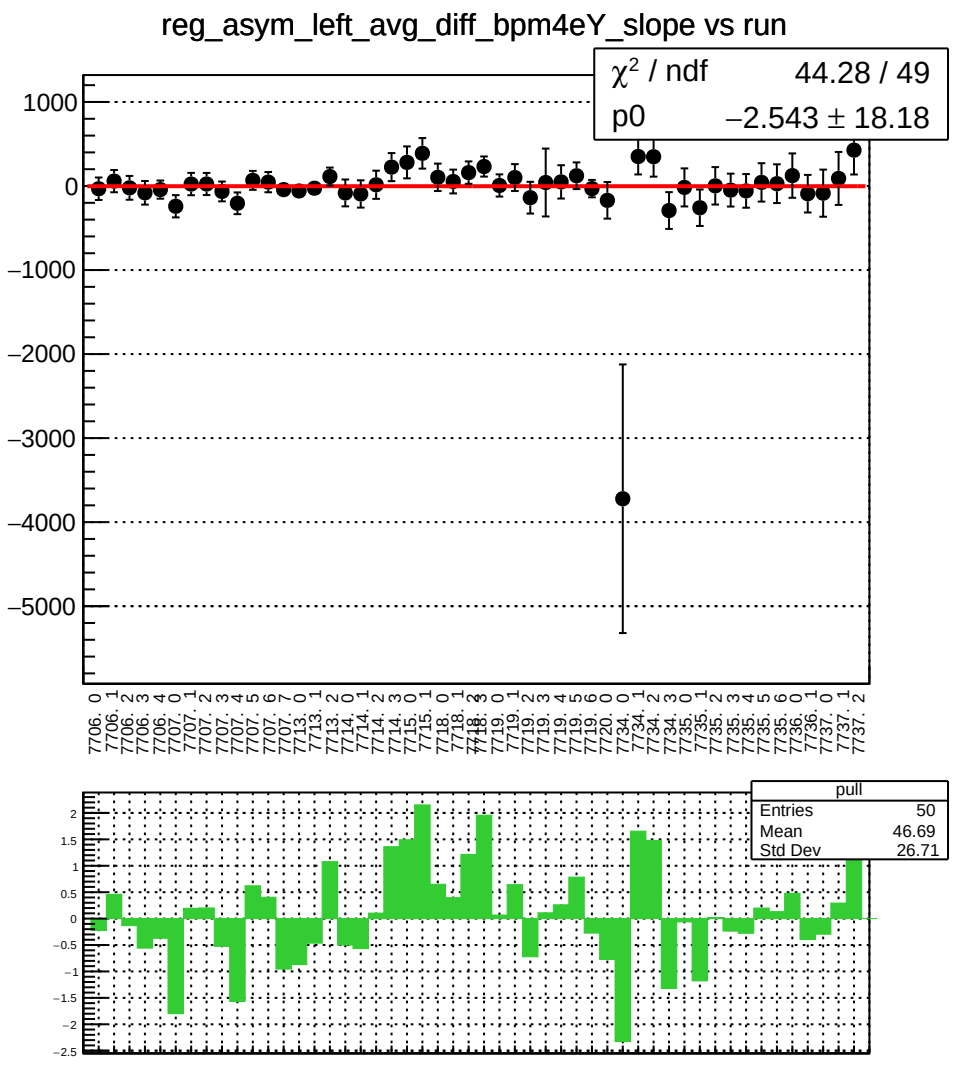

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 81.89 / 49
p0 −22.82 ± 12.02
pull
Entries 50
Mean 30.19
Std Dev 12.96

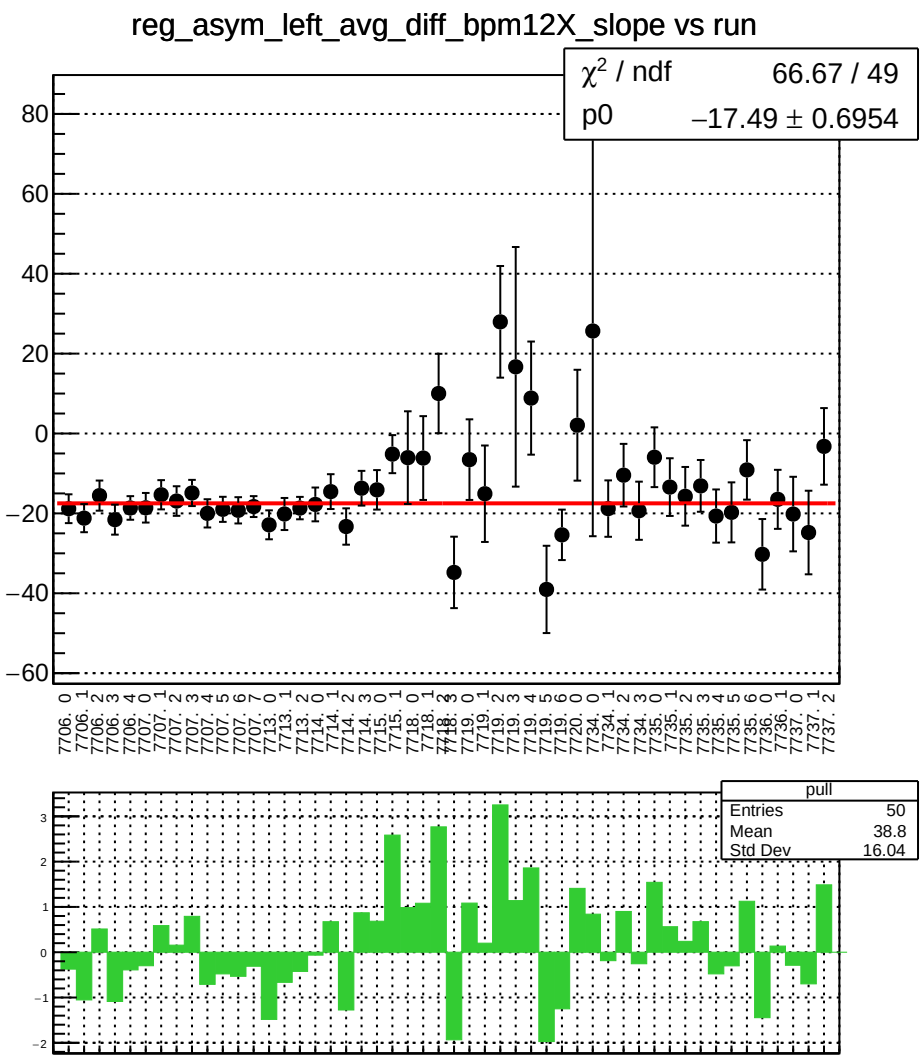

pull1D
Entries 50
Mean 0.1608
Std Dev 1.27

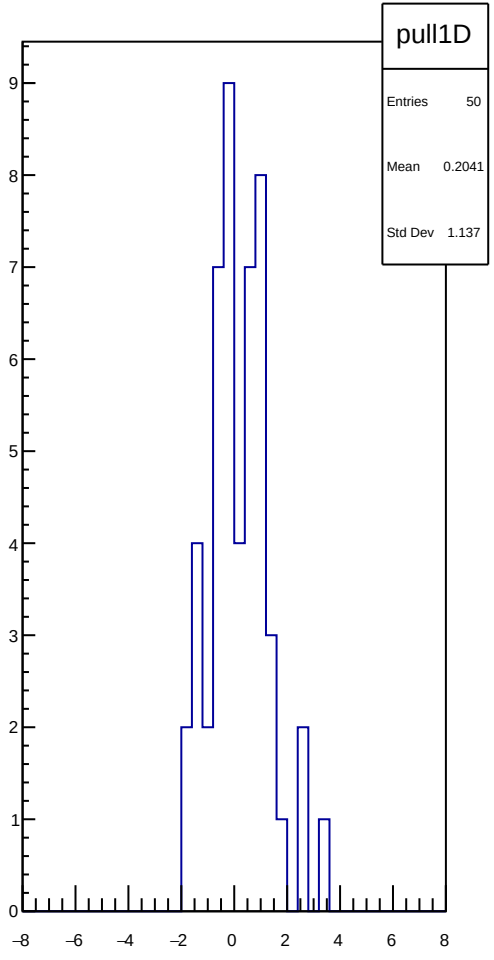

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.88 / 49
p0 7.744 ± 12.95
3000
2500
2000
1500
1000
500
0
−500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 54.47
Std Dev 33.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.07448
Std Dev 0.9338
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

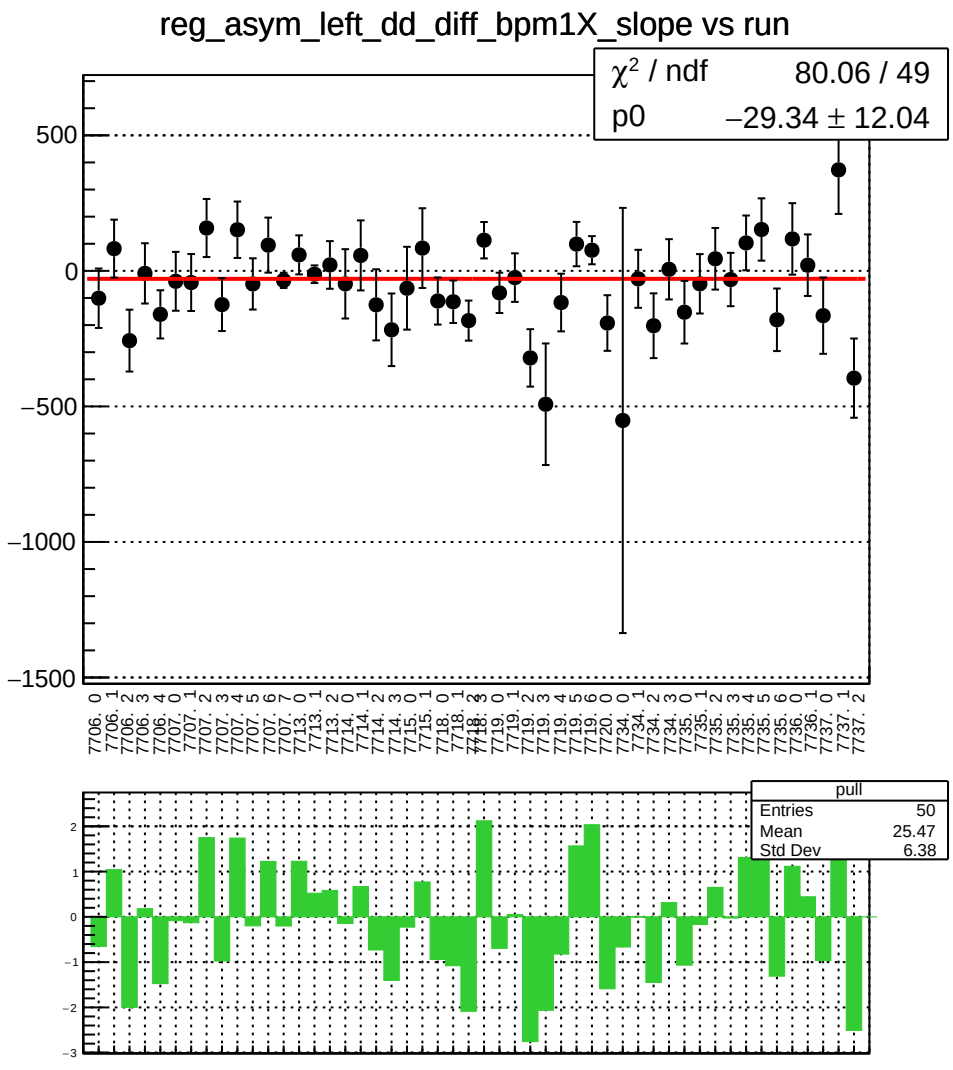

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.24 / 49
p0 −6.407 ± 10.44
500
0
−500
−1000
−1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 29.29
Std Dev 13.58
2
1
0
−1
−2
−3

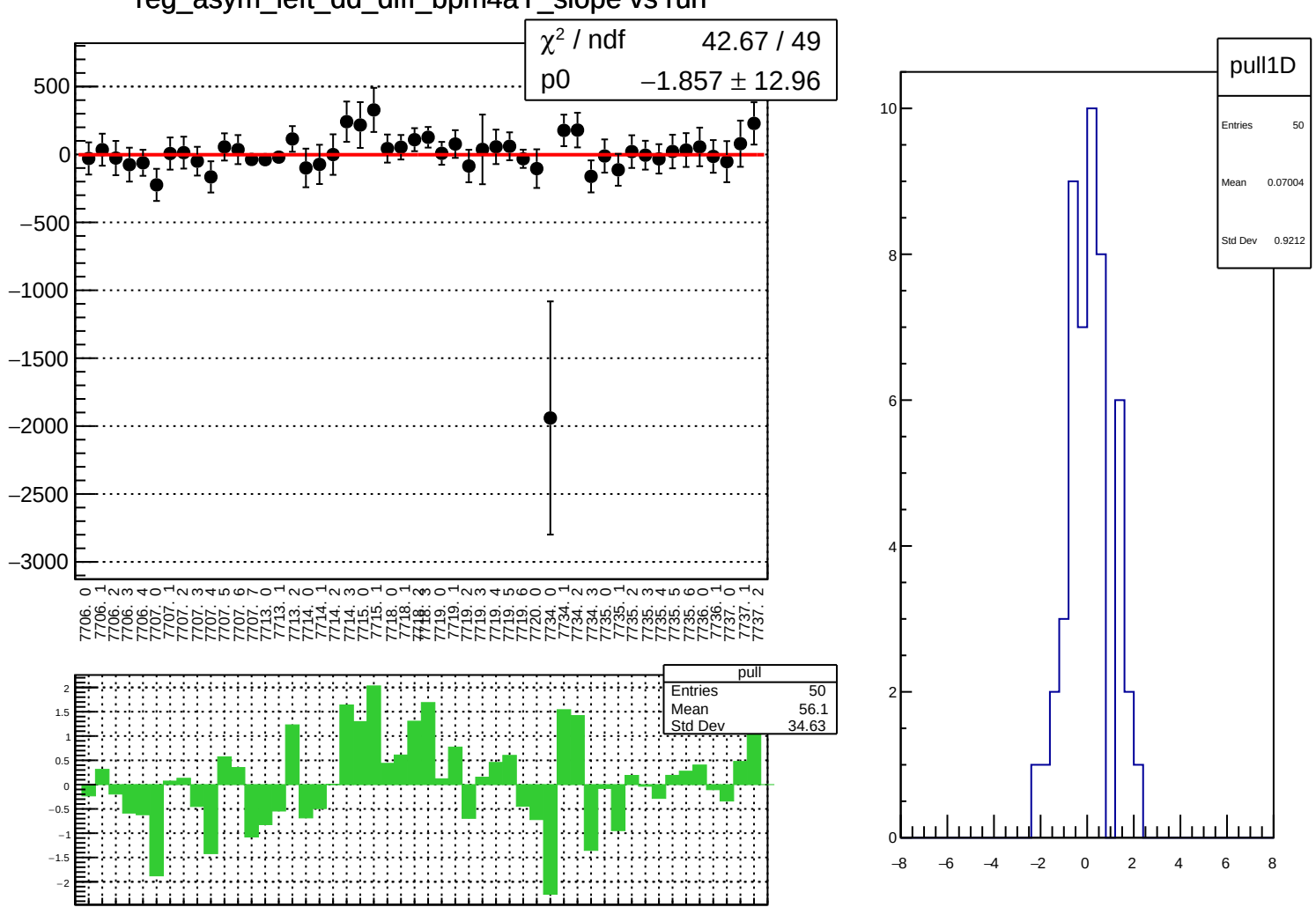

pull1D
Entries 50
Mean −0.1733
Std Dev 1.279
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

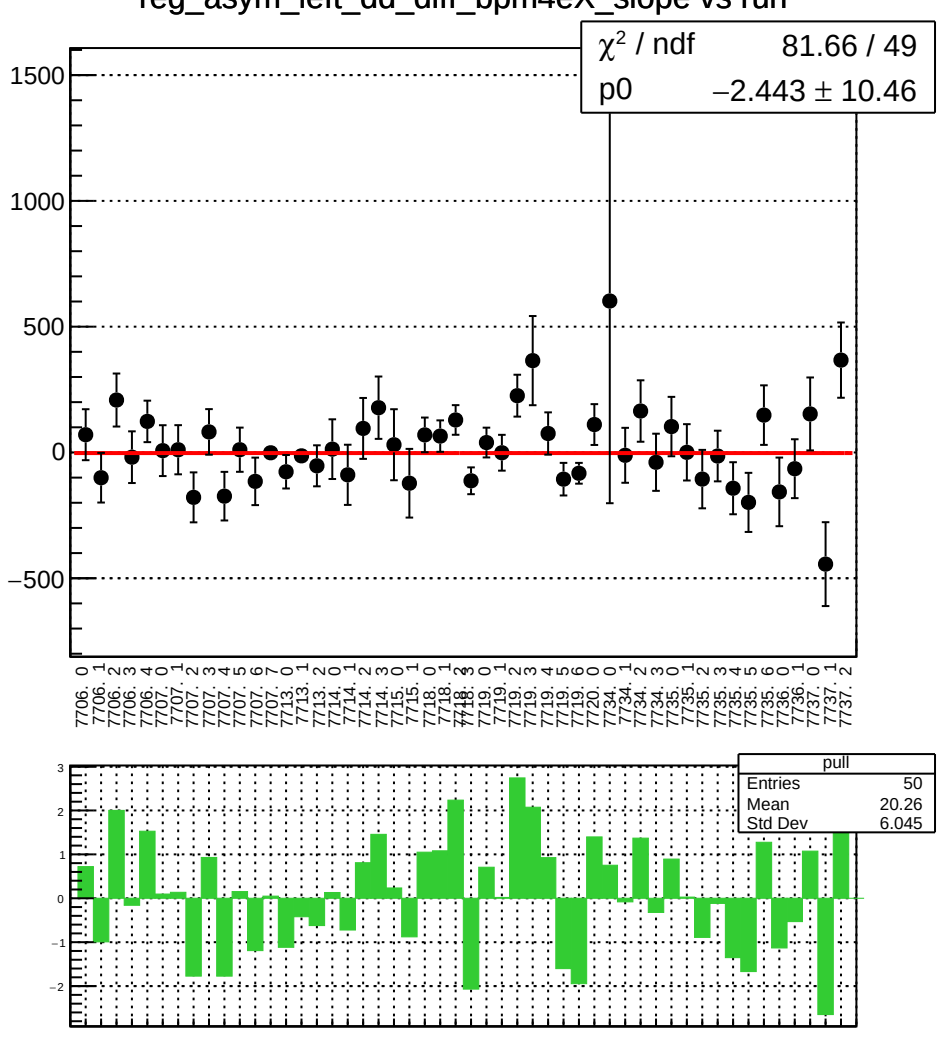

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.28 / 49
p0 −2.543 ± 18.18
1000
0
−1000
−2000
−3000
−4000
−5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 46.69
Std Dev 26.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean 0.06984
Std Dev 0.9385
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

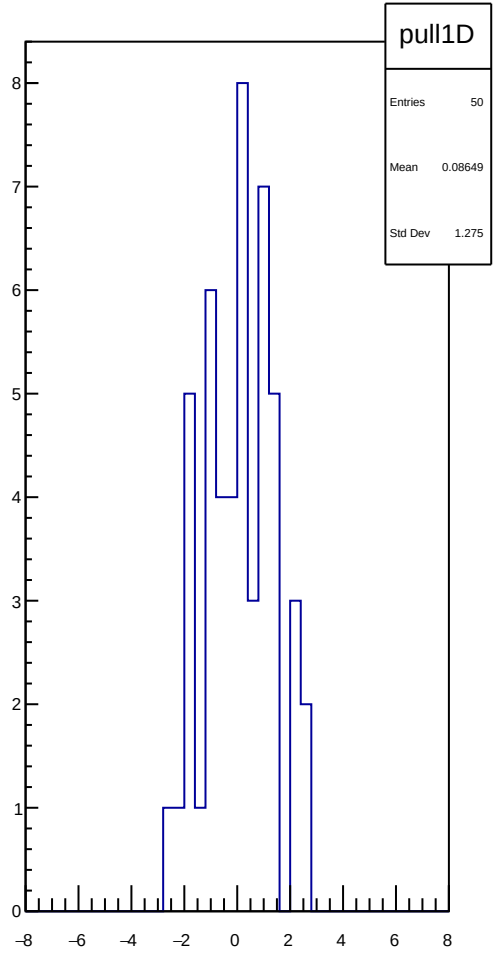

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 66.67 / 49
p0 −17.49 ± 0.6954
pull
Entries 50
Mean 38.8
Std Dev 16.04

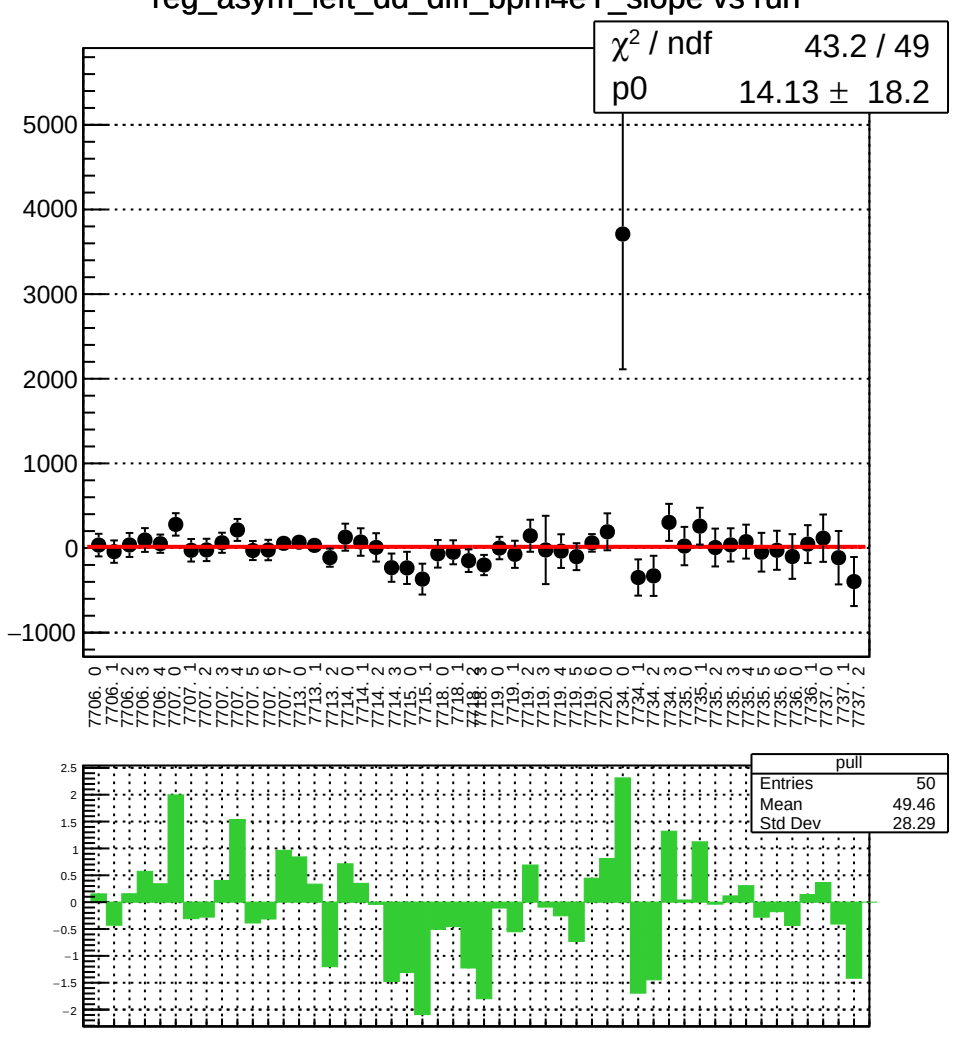

pull1D
Entries 50
Mean 0.2041
Std Dev 1.137

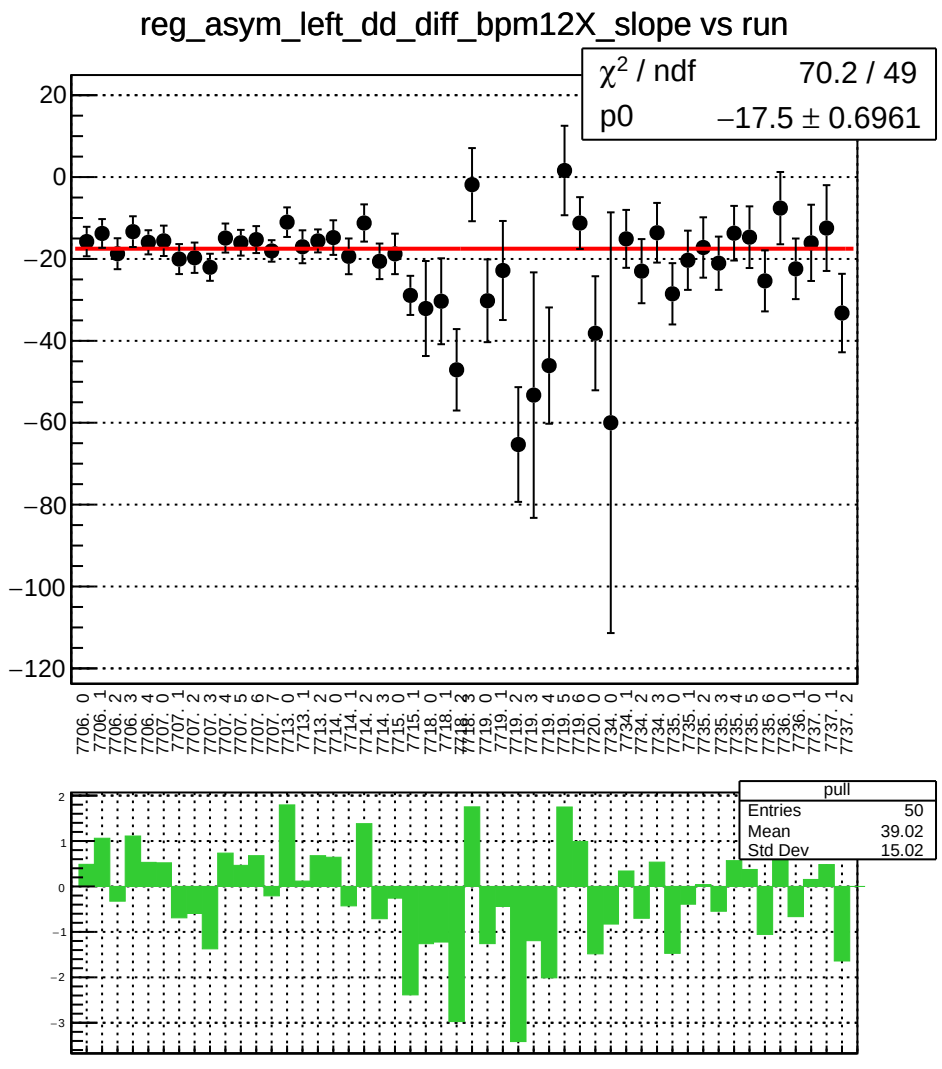

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 80.06 / 49
p0 −29.34 ± 12.04
500
0
−500
−1000
−1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 25.47
Std Dev 6.38
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.1006
Std Dev 1.261
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

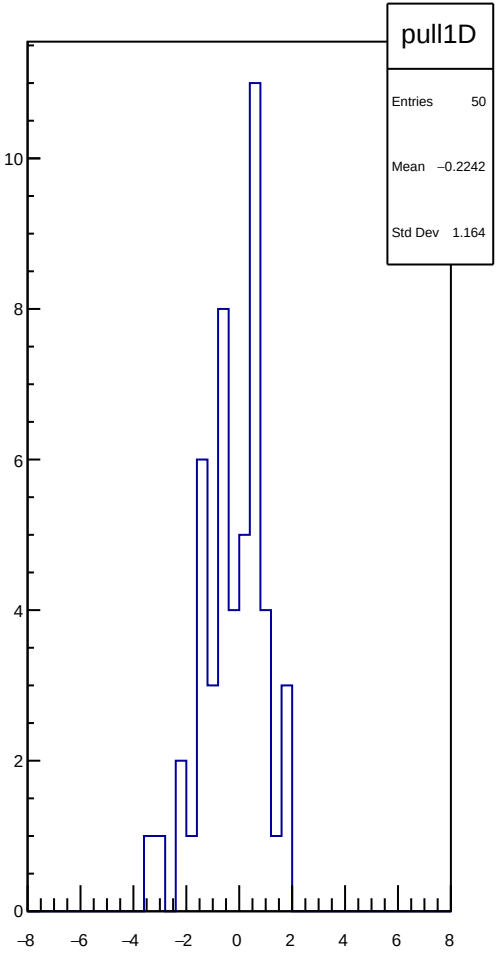

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.67 / 49
p0 −1.857 ± 12.96
500
0
−500
−1000
−1500
−2000
−2500
−3000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 56.1
Std Dev 34.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.07004
Std Dev 0.9212
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

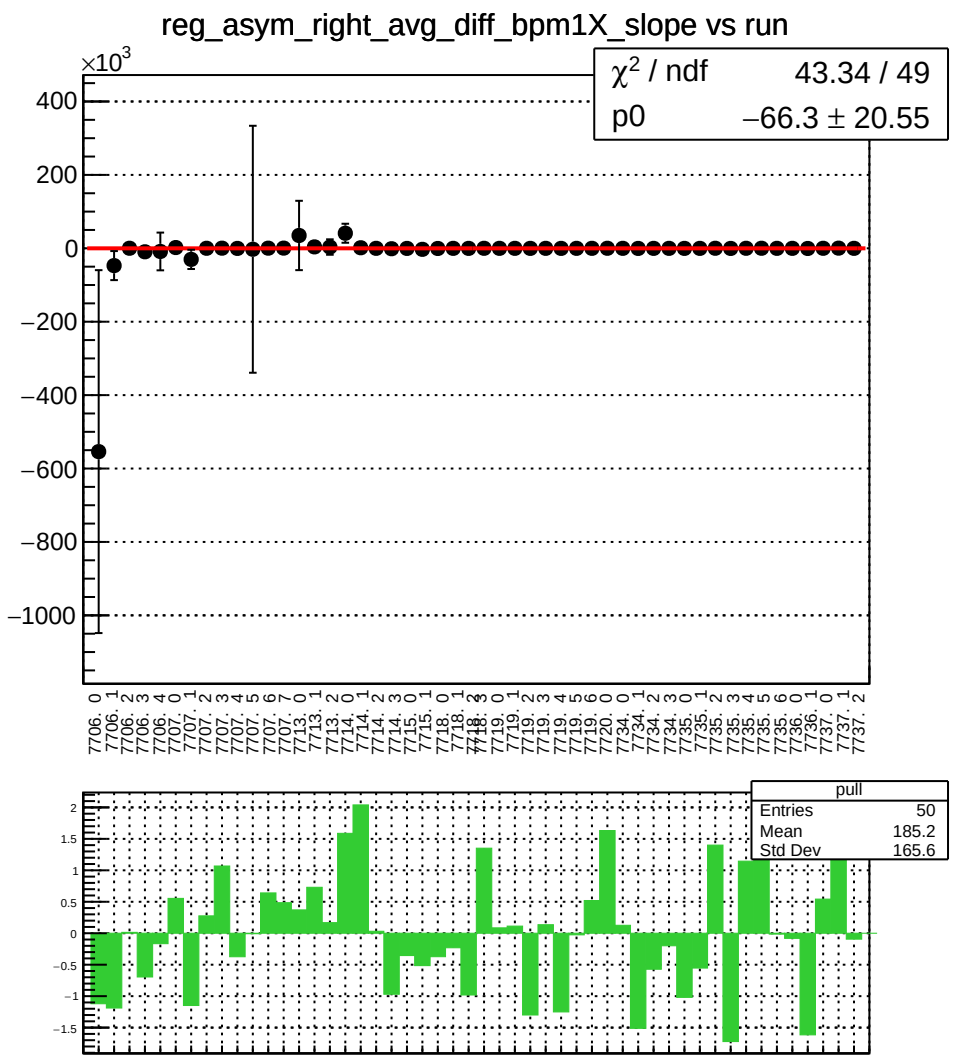

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 81.66 / 49
p0 −2.443 ± 10.46
1500
1000
500
0
−500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 20.26
Std Dev 6.045
3
2
1
0
−1
−2

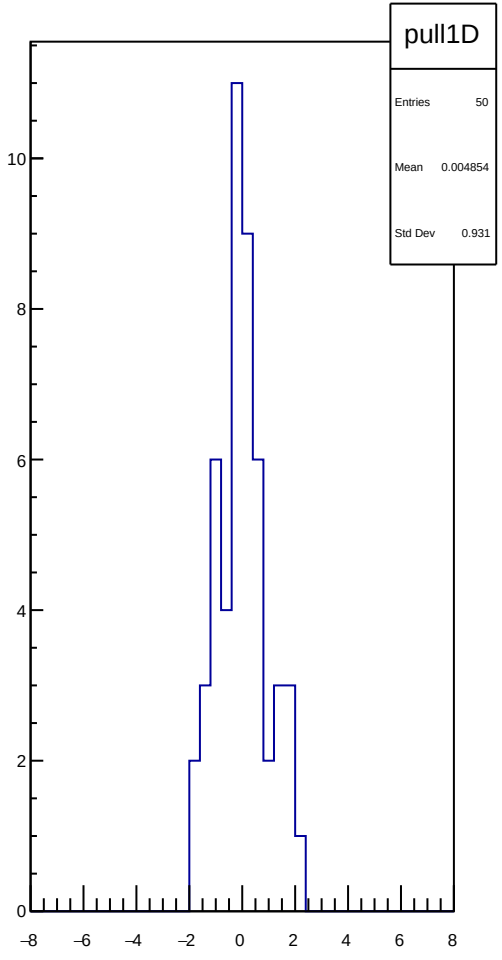

pull1D
Entries 50
Mean 0.08649
Std Dev 1.275
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

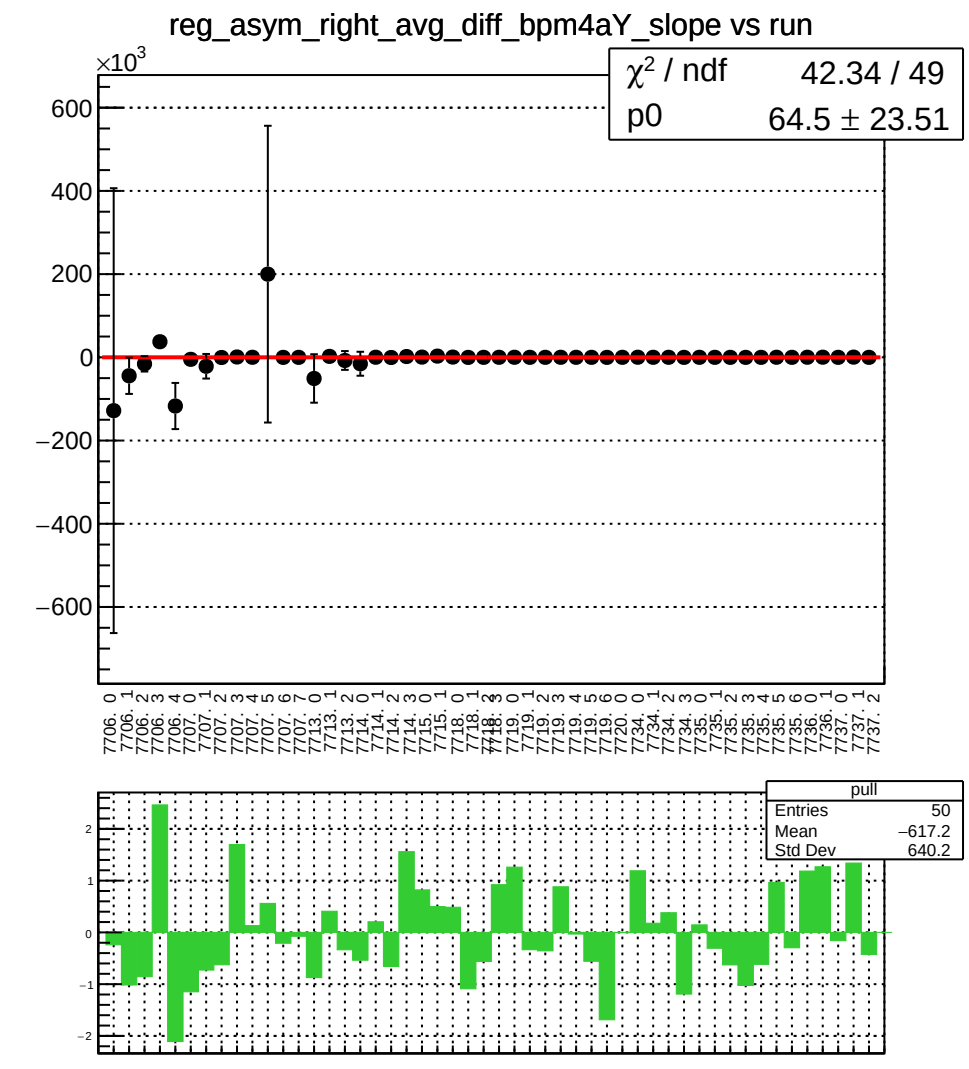

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.2 / 49
p0 14.13 ± 18.2
5000
4000
3000
2000
1000
0
−1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 49.46
Std Dev 28.29
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.06802
Std Dev 0.927
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

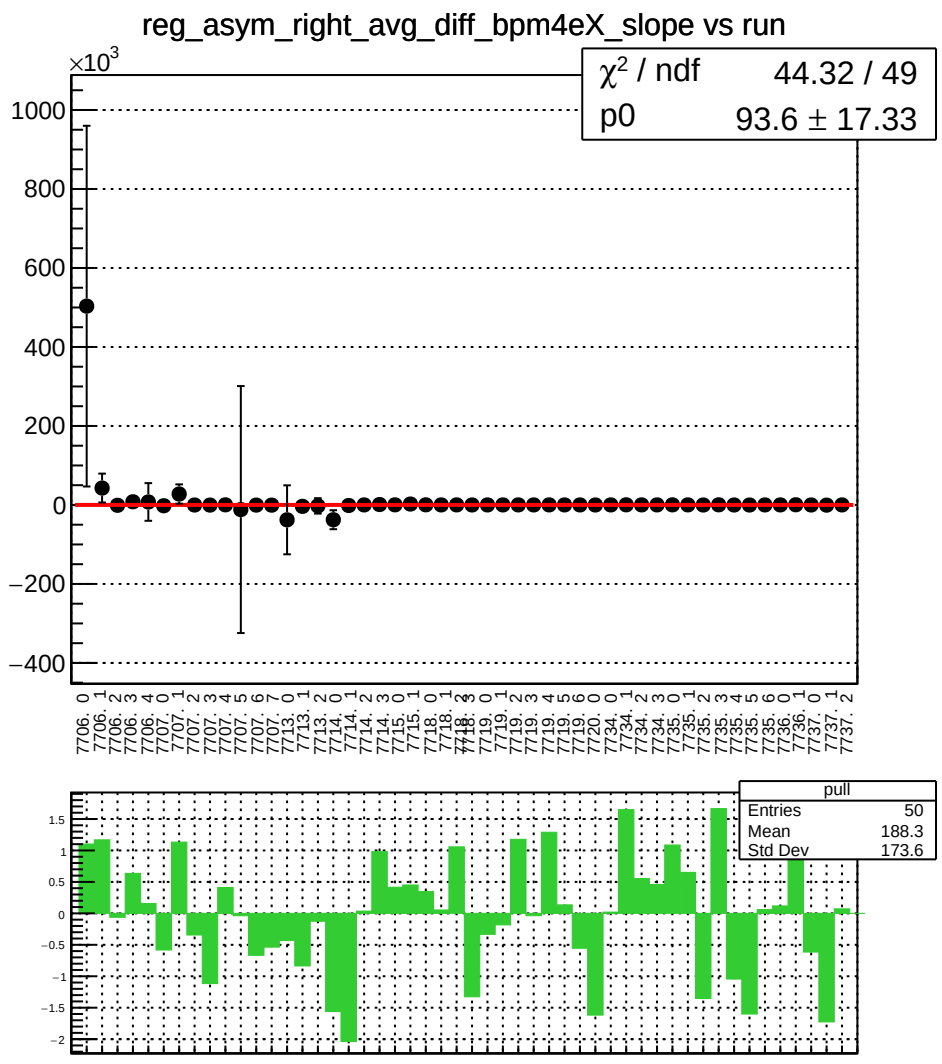

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 70.2 / 49
p0 −17.5 ± 0.6961
pull
Entries 50
Mean 39.02
Std Dev 15.02

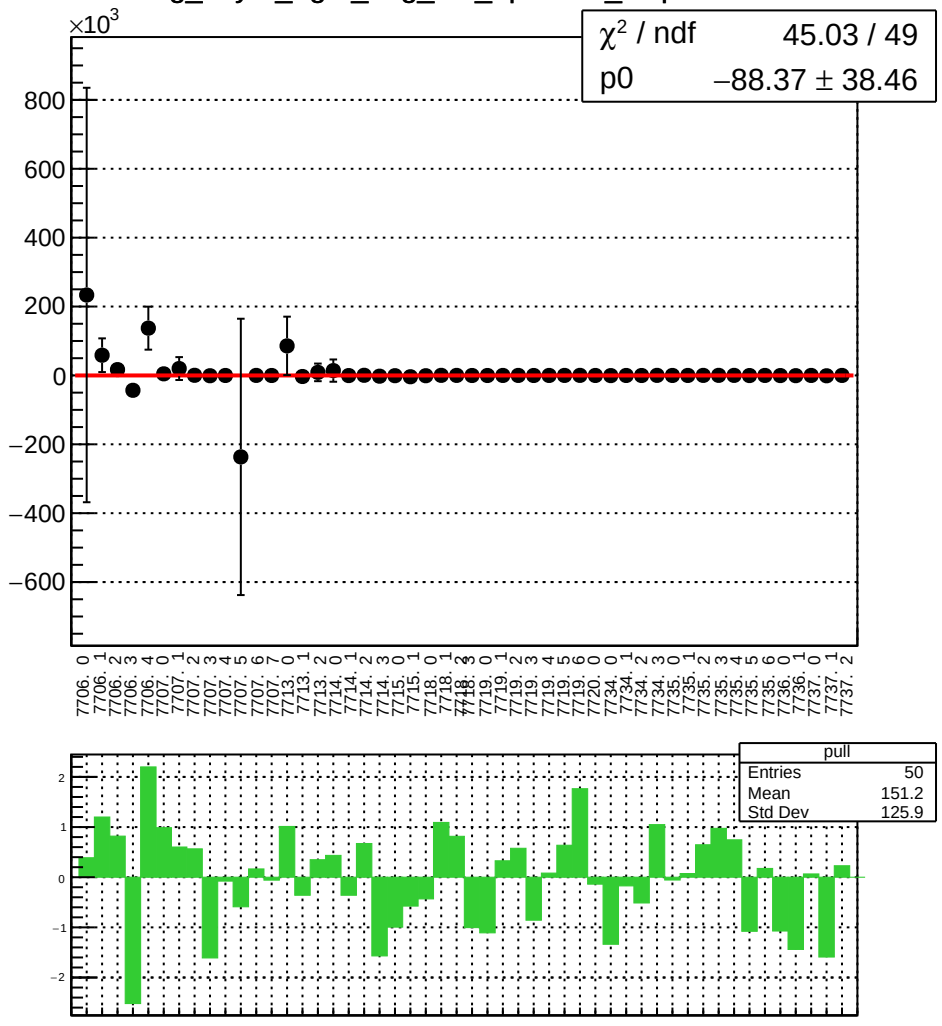

pull1D
Entries 50
Mean −0.2242
Std Dev 1.164

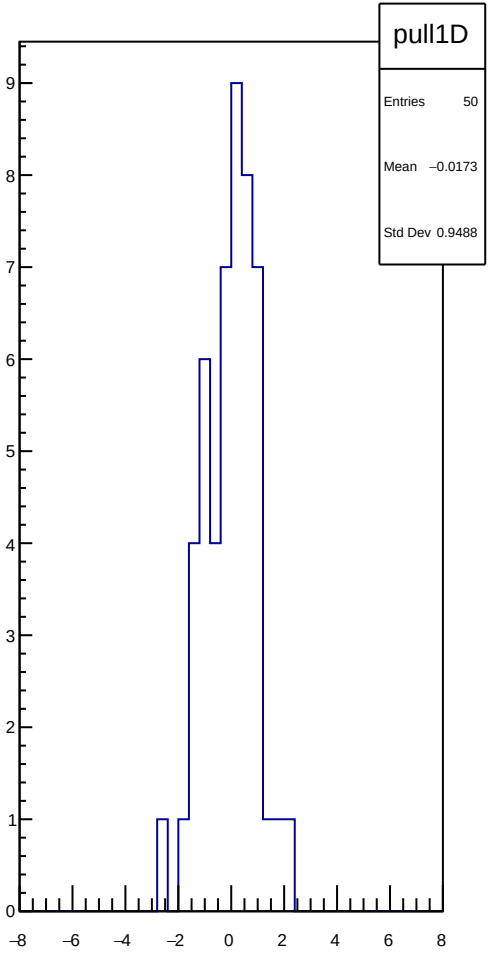

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 43.34 / 49
p0 −66.3 ± 20.55
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 50
Mean 185.2
Std Dev 165.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

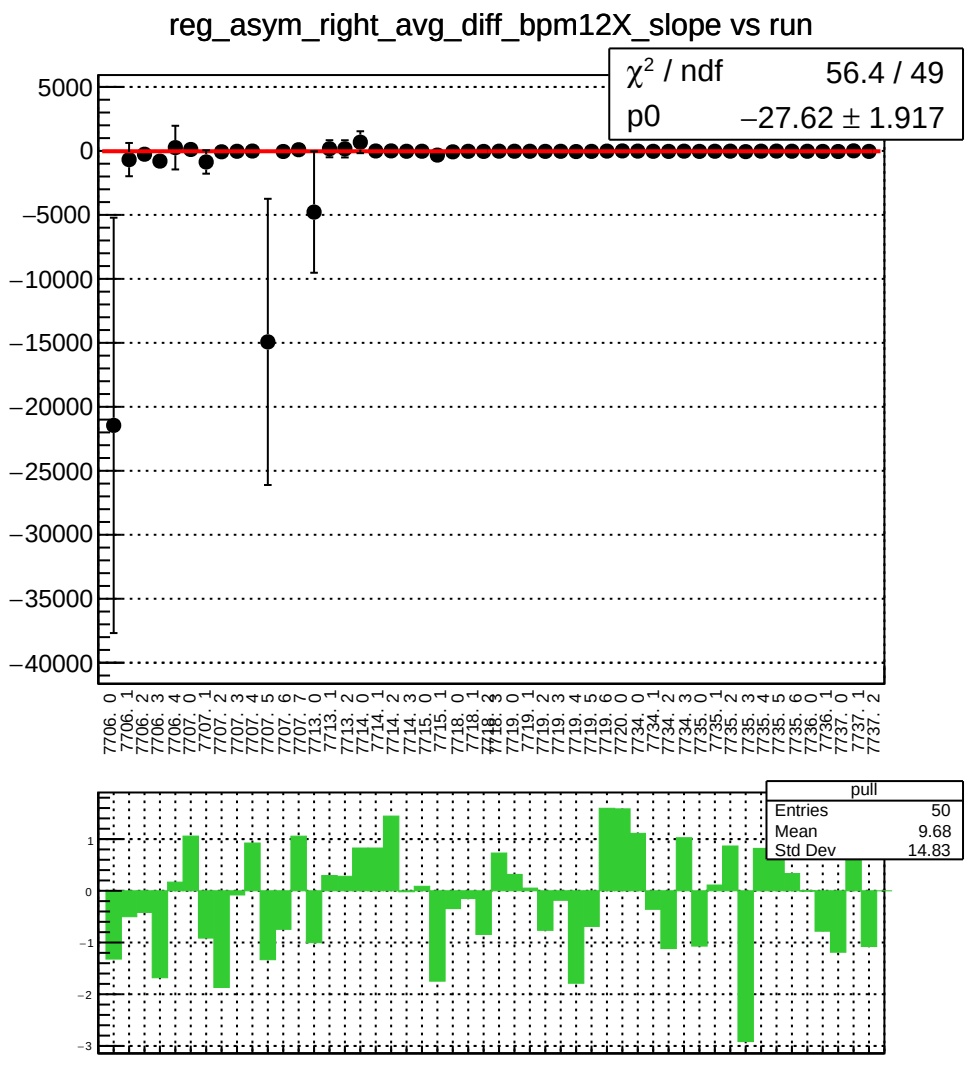

pull1D
Entries 50
Mean 0.004854
Std Dev 0.931
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

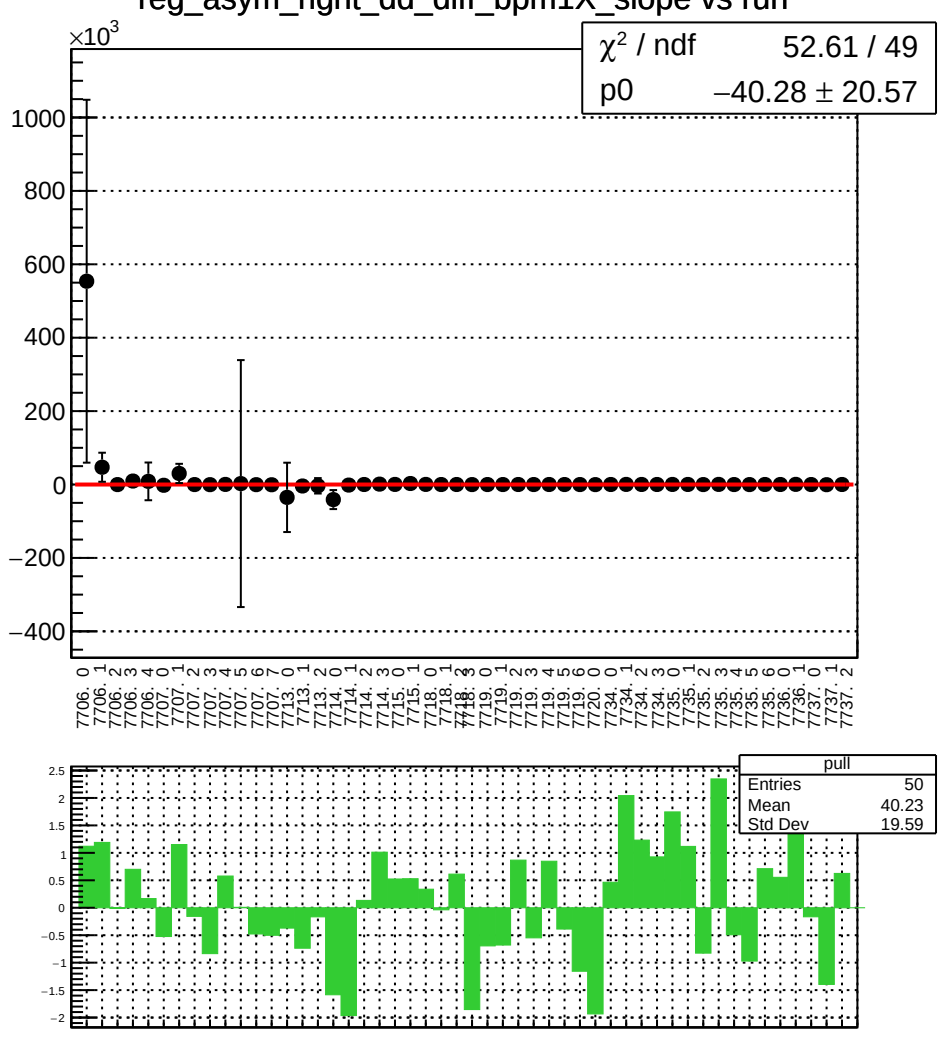

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 42.34 / 49
p0 64.5 ± 23.51
600
400
200
0
−200
−400
−600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −617.2
Std Dev 640.2
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.002683
Std Dev 0.9203
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

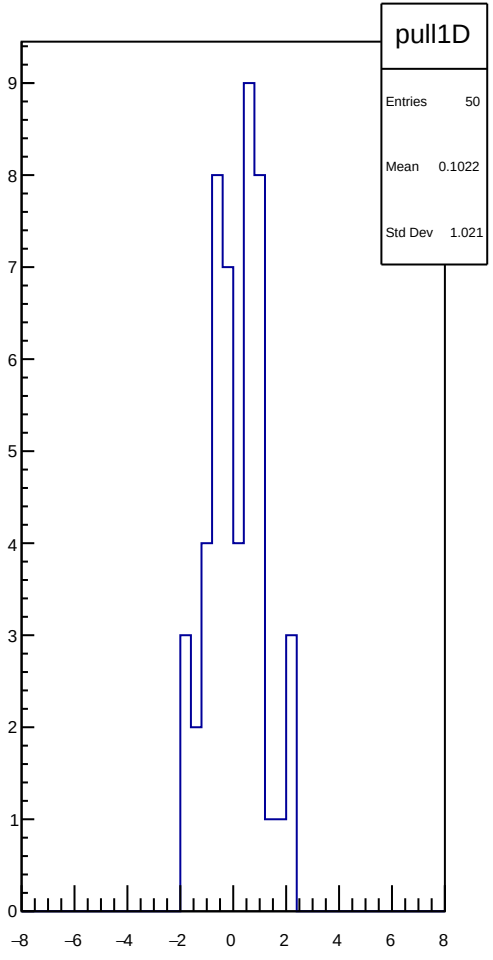

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.32 / 49
p0 93.6 ± 17.33
×10³
1000
800
600
400
200
0
−200
−400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 188.3
Std Dev 173.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.002397
Std Dev 0.9415
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

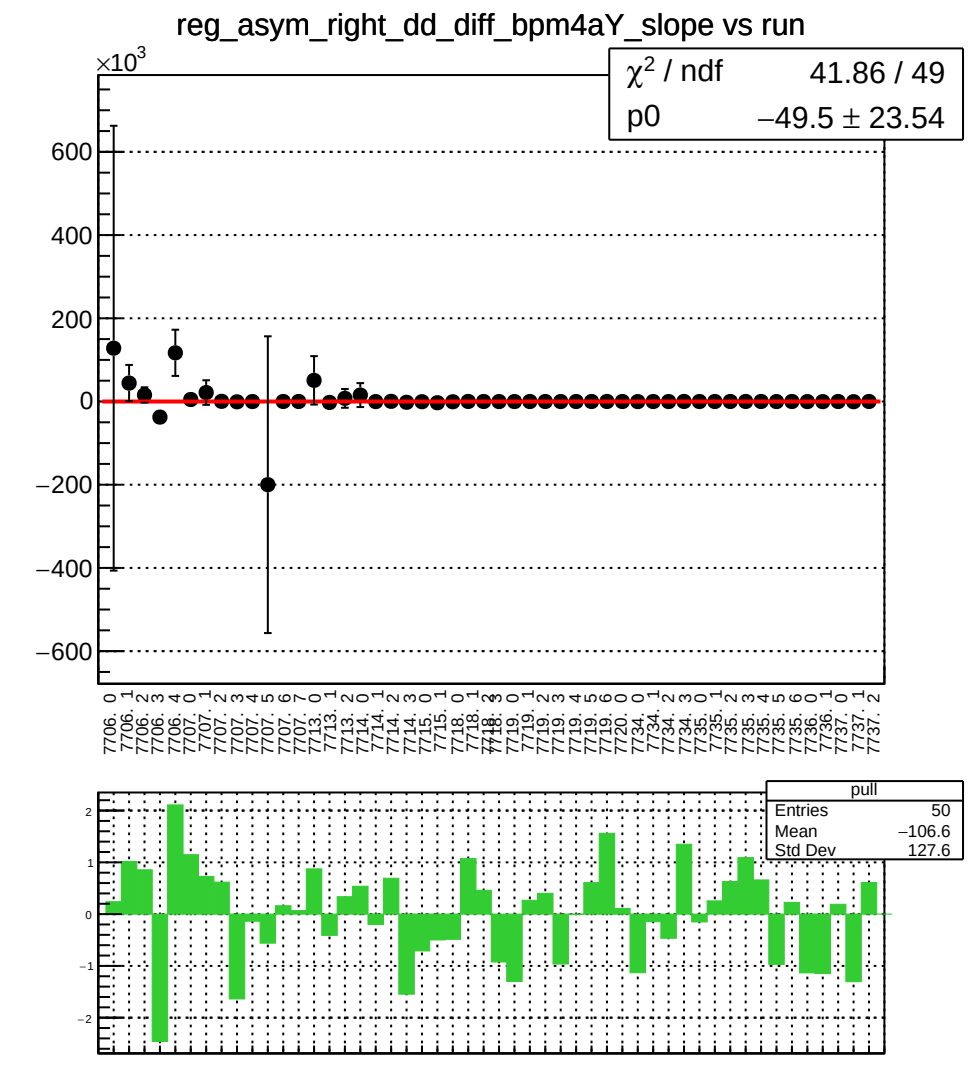

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.03 / 49
p0 −88.37 ± 38.46
×10³
pull
Entries 50
Mean 151.2
Std Dev 125.9

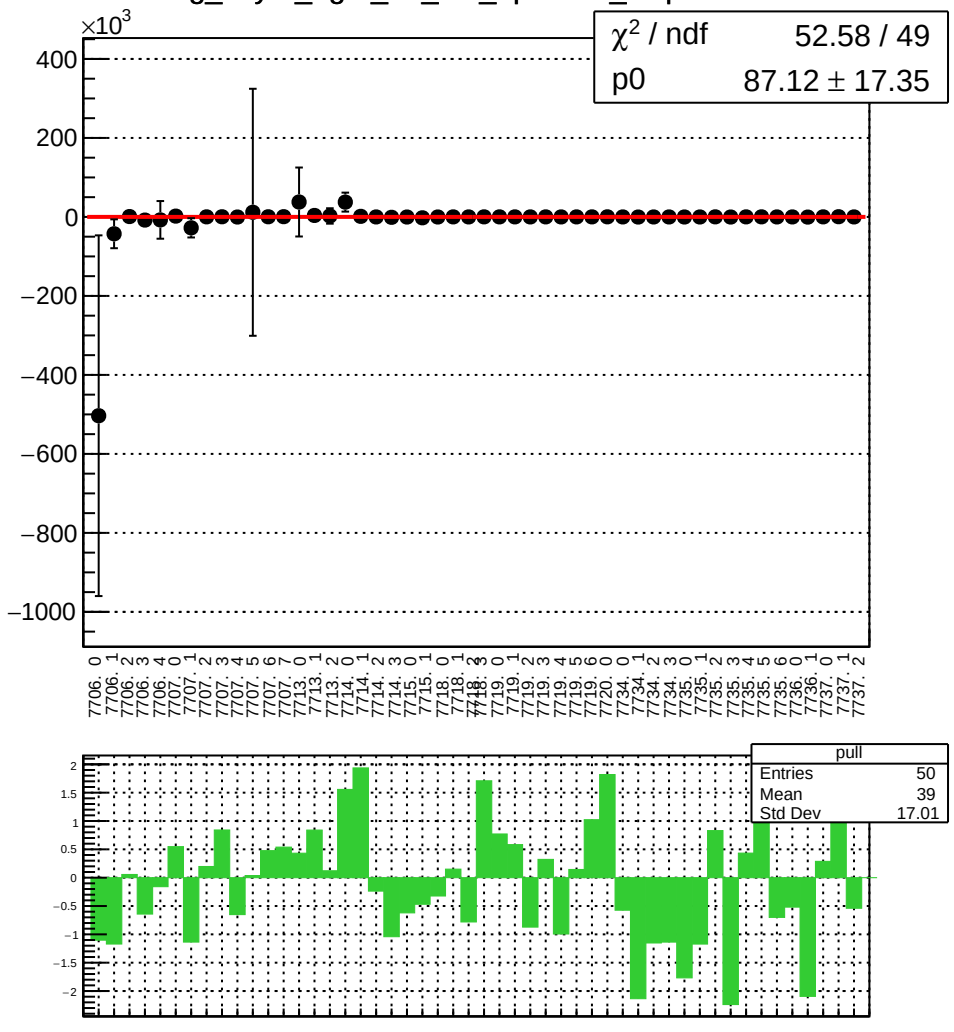

pull1D
Entries 50
Mean −0.0173
Std Dev 0.9488

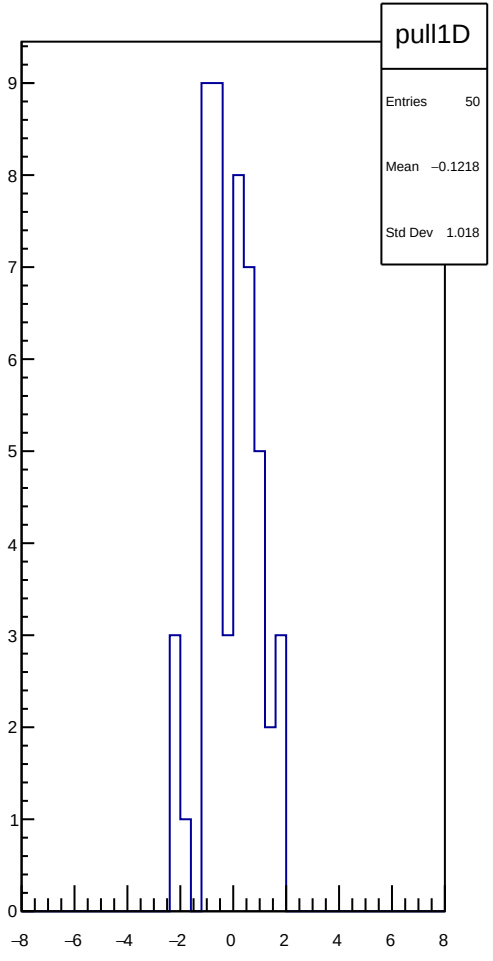

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 56.4 / 49
p0 −27.62 ± 1.917
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 9.68
Std Dev 14.83
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.124
Std Dev 1.055
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

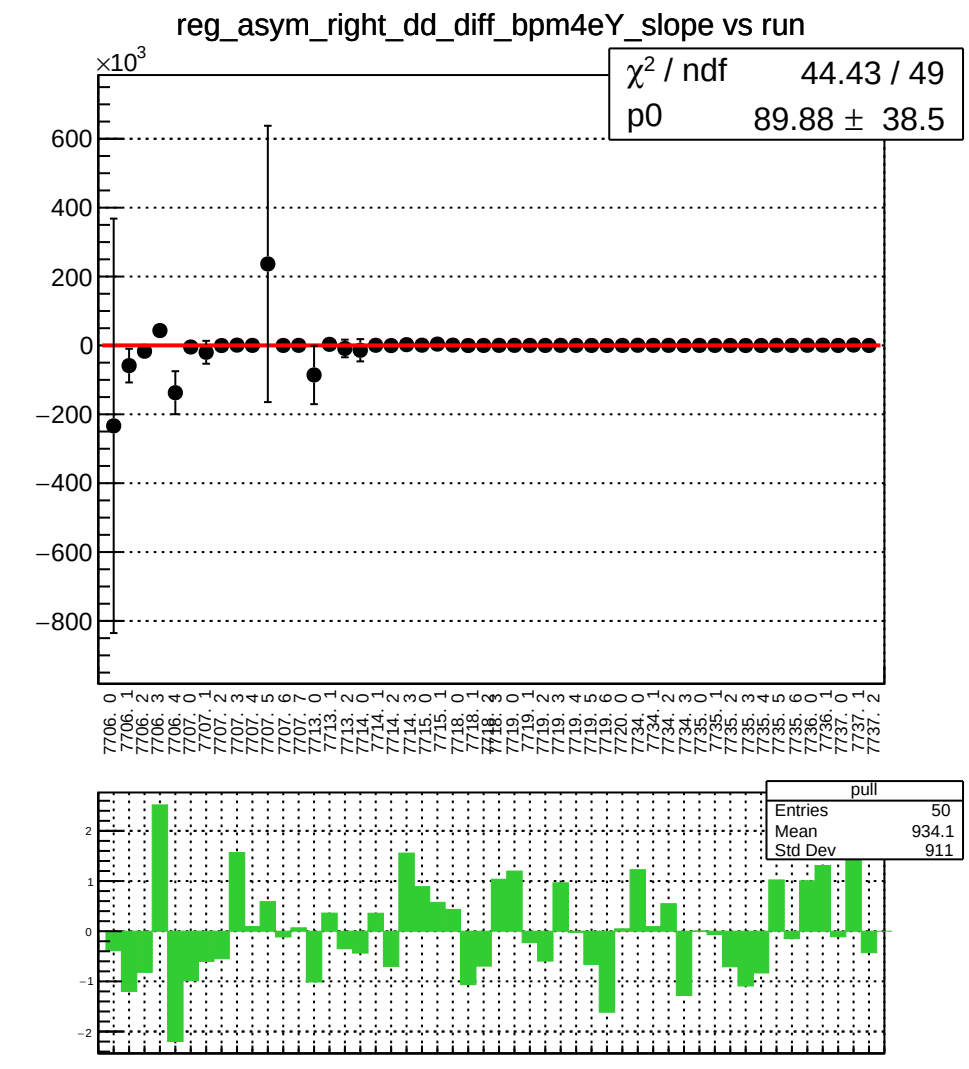

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 52.61 / 49
p0 −40.28 ± 20.57
1000
800
600
400
200
0
−200
−400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7707. 0
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 40.23
Std Dev 19.59
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

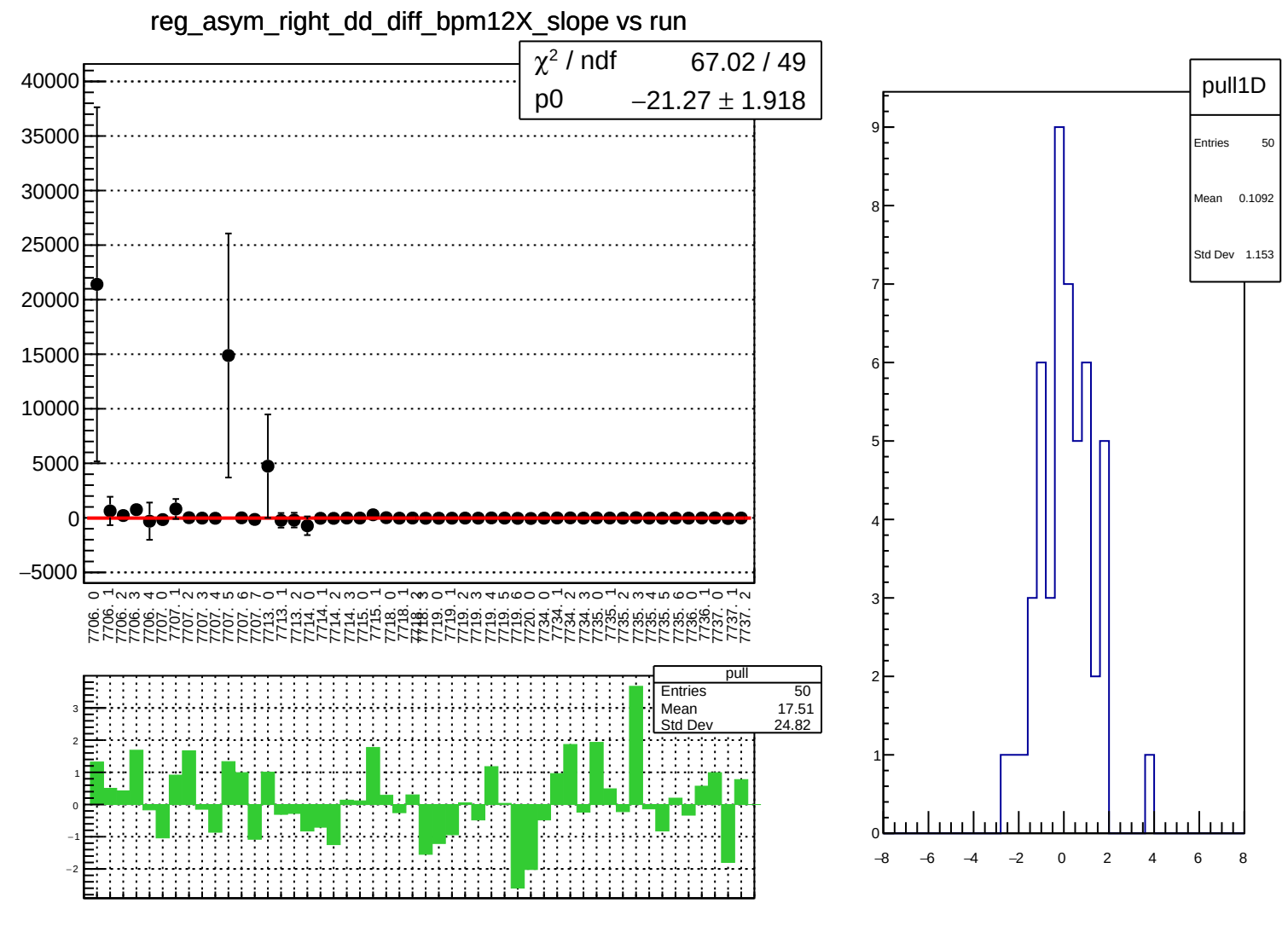

pull1D
Entries 50
Mean 0.1022
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

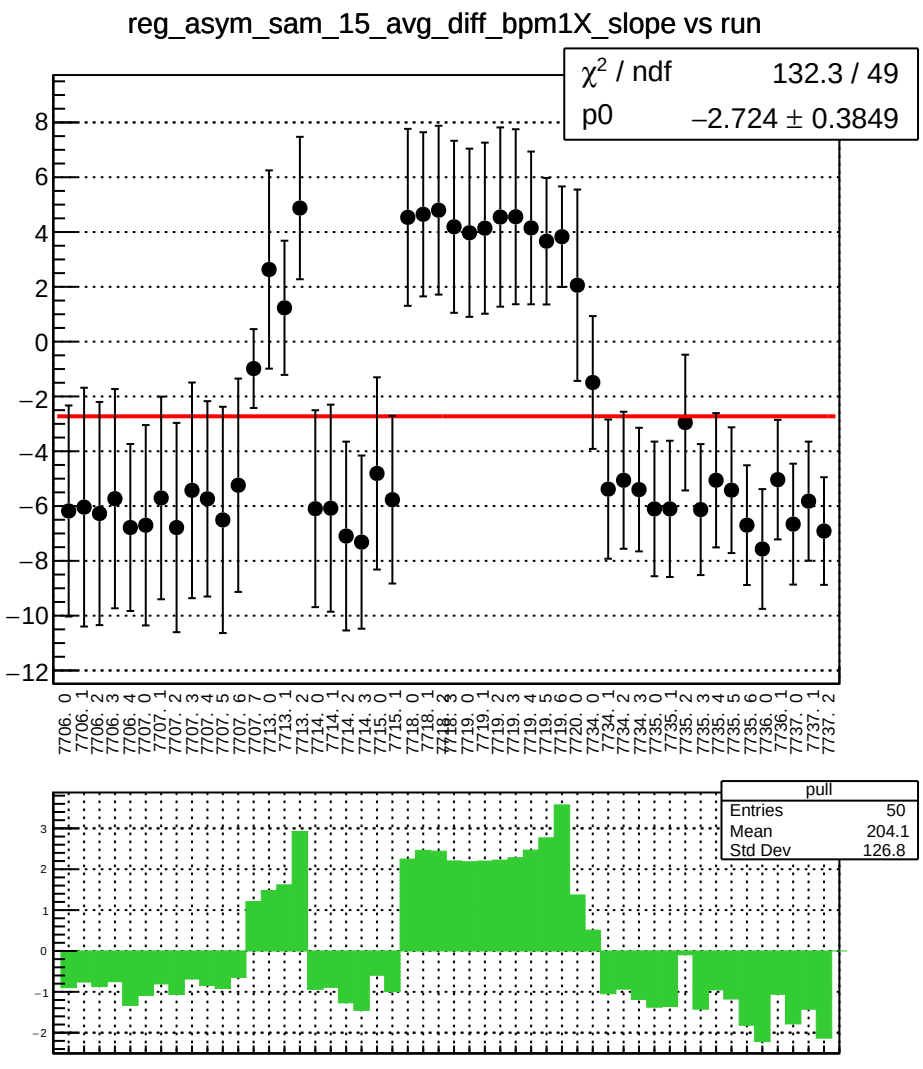

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 41.86 / 49
p0 −49.5 ± 23.54
600
400
200
0
−200
−400
−600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −106.6
Std Dev 127.6
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01159
Std Dev 0.915
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

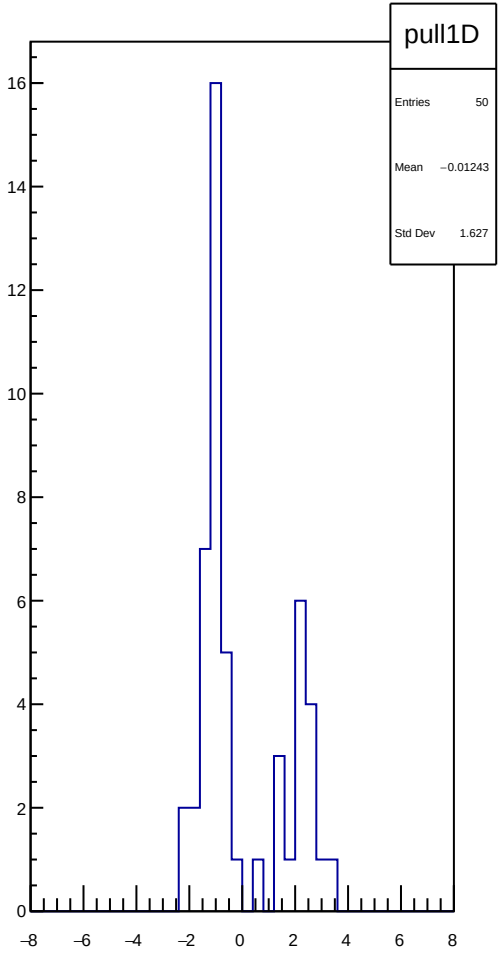

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 52.58 / 49
p0 87.12 ± 17.35
pull
Entries 50
Mean 39
Std Dev 17.01

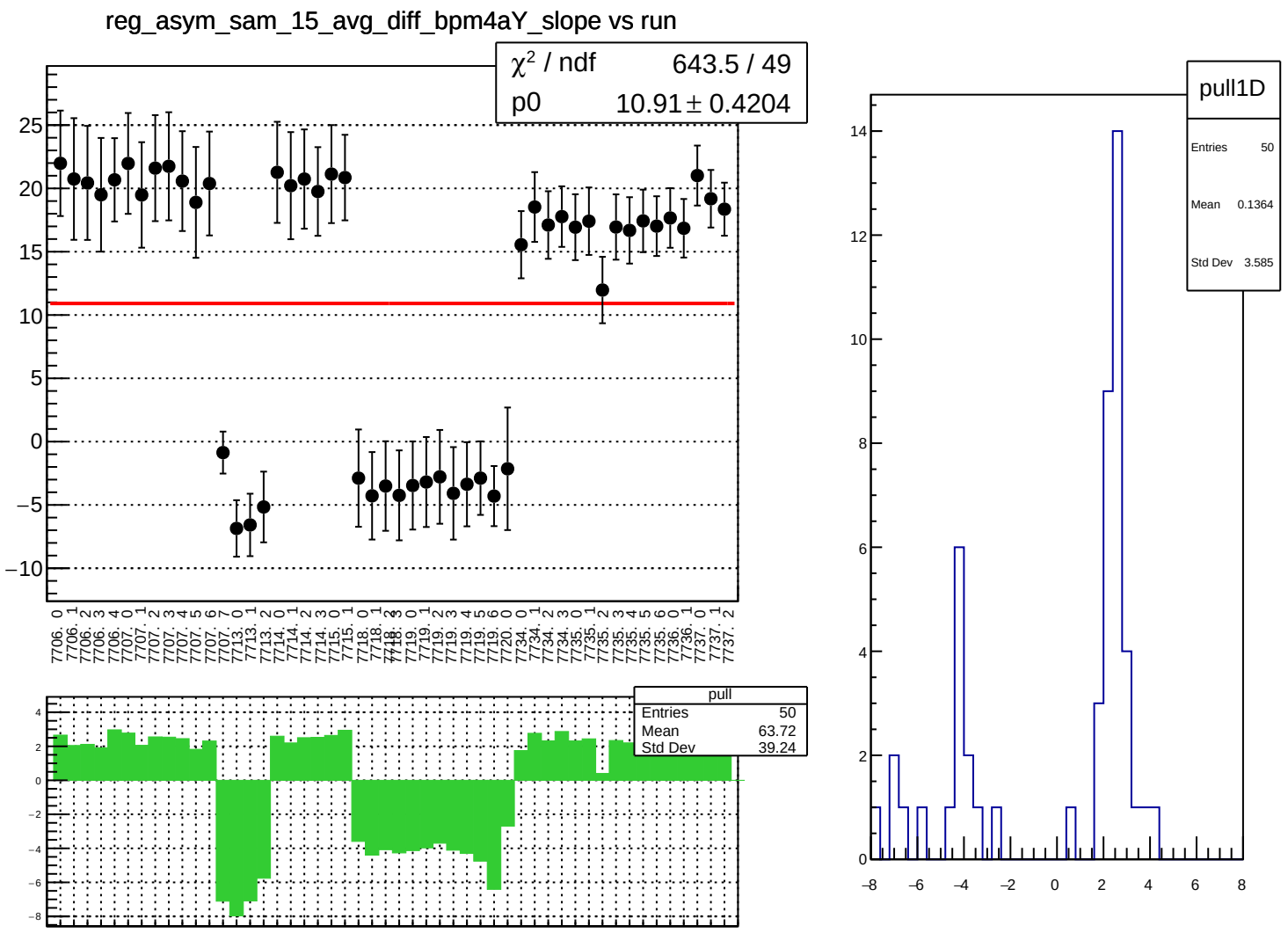

pull1D
Entries 50
Mean −0.1218
Std Dev 1.018

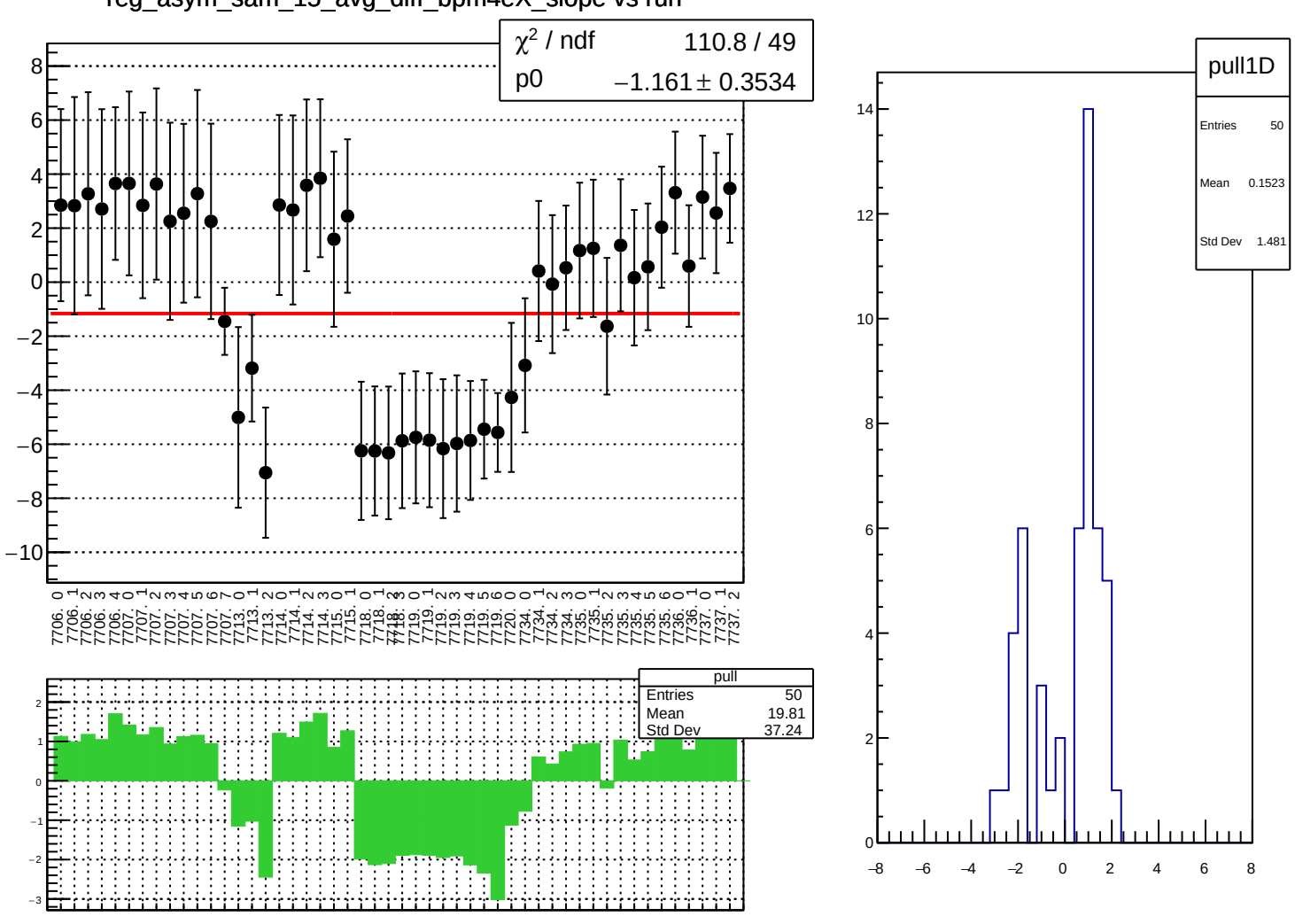

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 44.43 / 49
p0 89.88 ± 38.5
600
400
200
0
−200
−400
−600
−800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 934.1
Std Dev 911
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.001963
Std Dev 0.9427
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

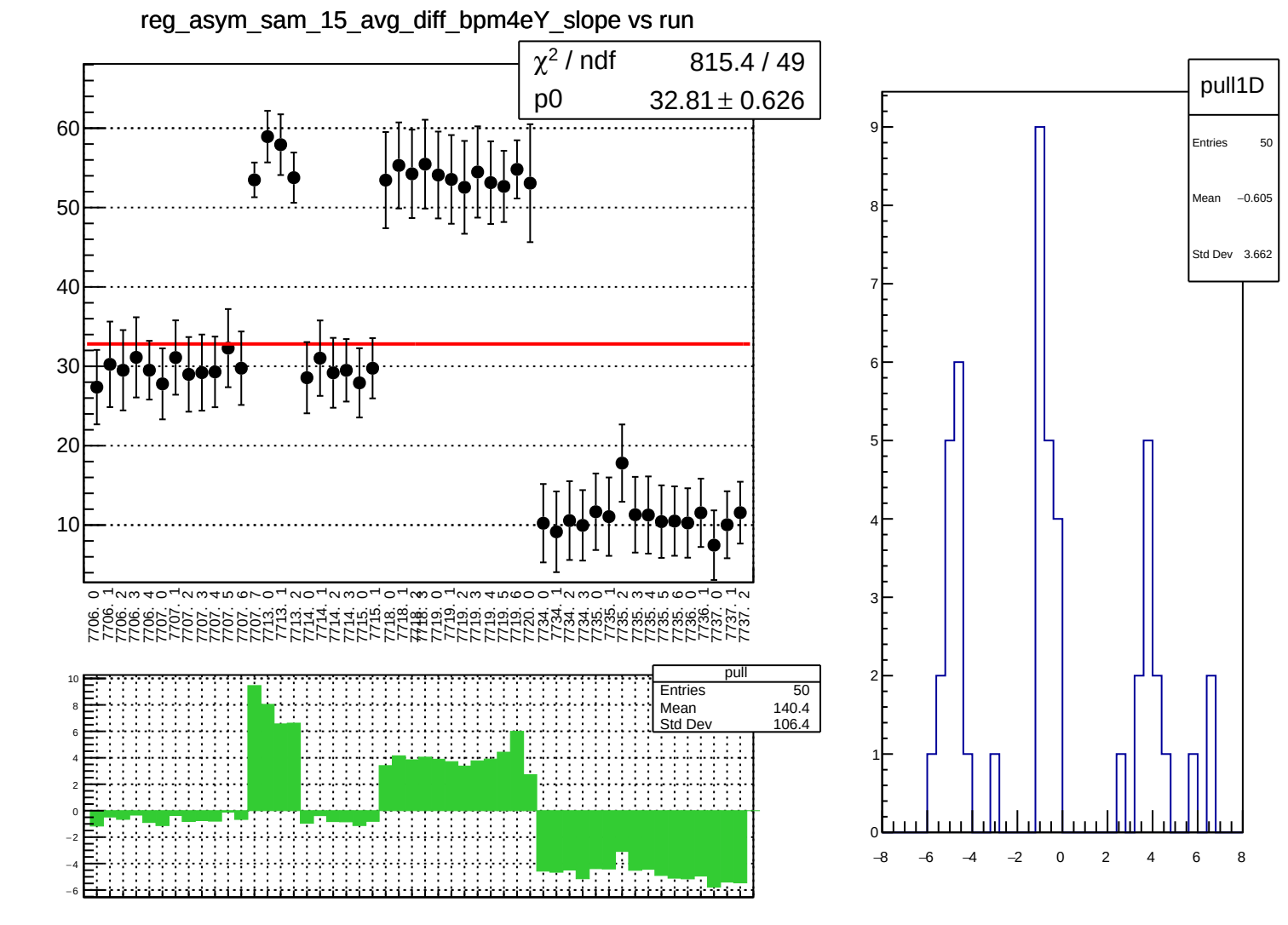

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 67.02 / 49
p0 −21.27 ± 1.918
40000
35000
30000
25000
20000
15000
10000
5000
0
−5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 17.51
Std Dev 24.82
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.1092
Std Dev 1.153
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

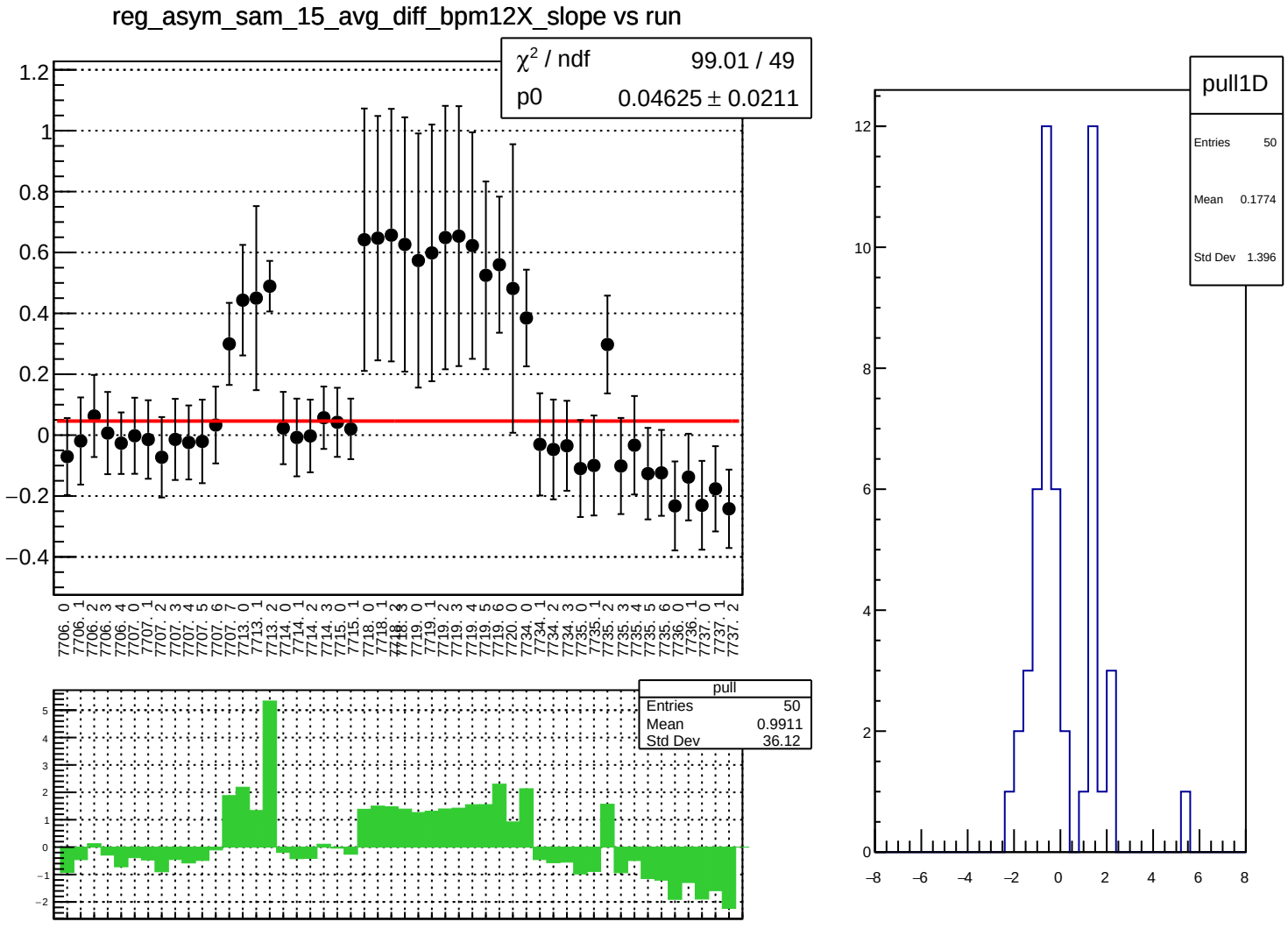

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 132.3 / 49
p0 −2.724 ± 0.3849
pull
Entries 50
Mean 204.1
Std Dev 126.8

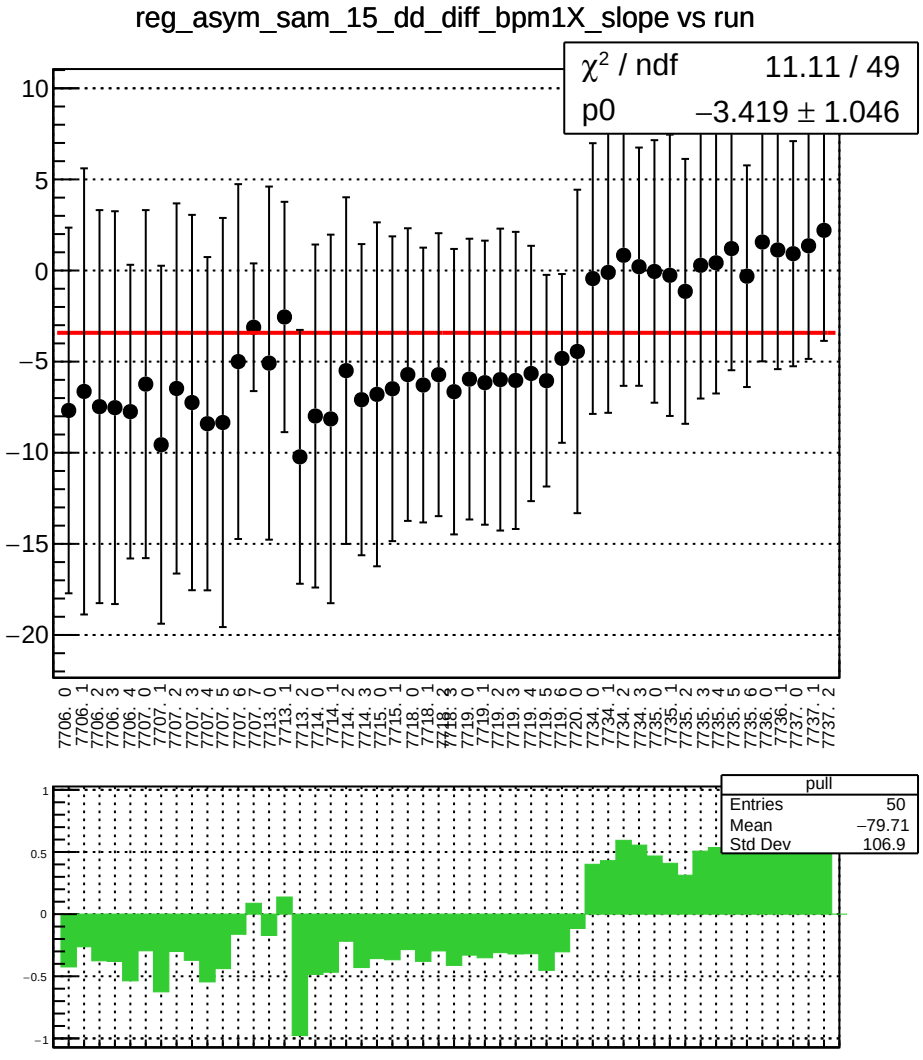

pull1D
Entries 50
Mean −0.01243
Std Dev 1.627

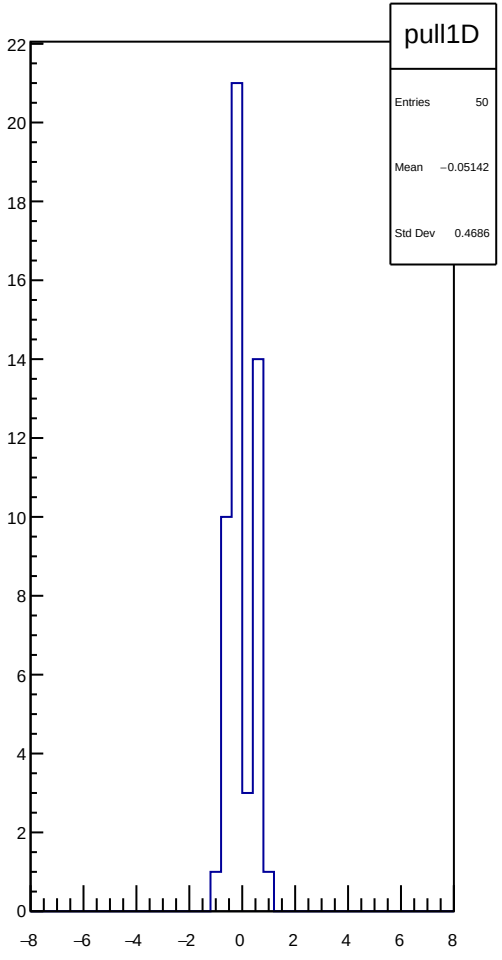

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 643.5 / 49
p0 10.91 ± 0.4204
pull
Entries 50
Mean 63.72
Std Dev 39.24
pull1D
Entries 50
Mean 0.1364
Std Dev 3.585

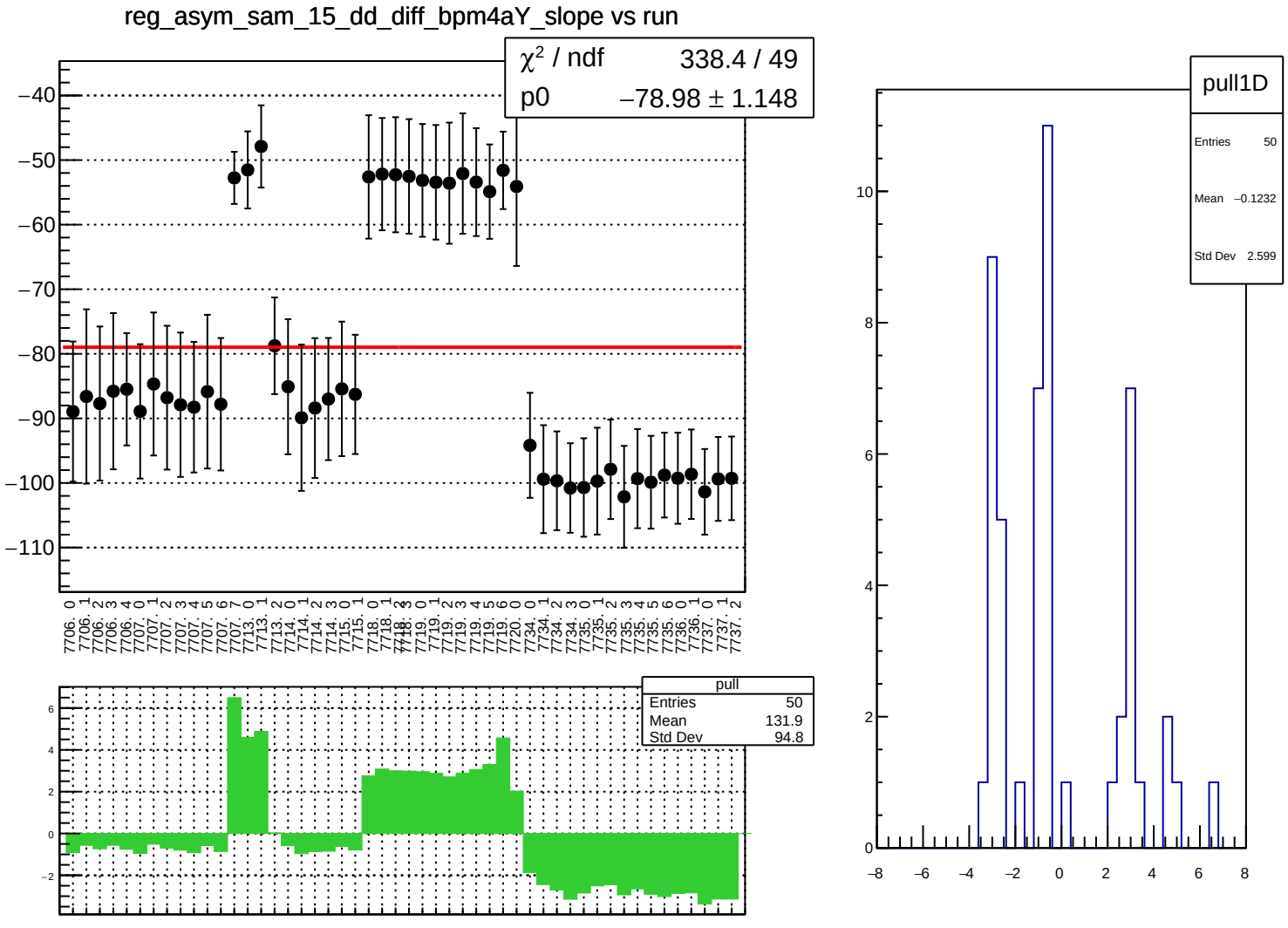

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 110.8 / 49
p0 −1.161 ± 0.3534
pull
Entries 50
Mean 19.81
Std Dev 37.24
pull1D
Entries 50
Mean 0.1523
Std Dev 1.481

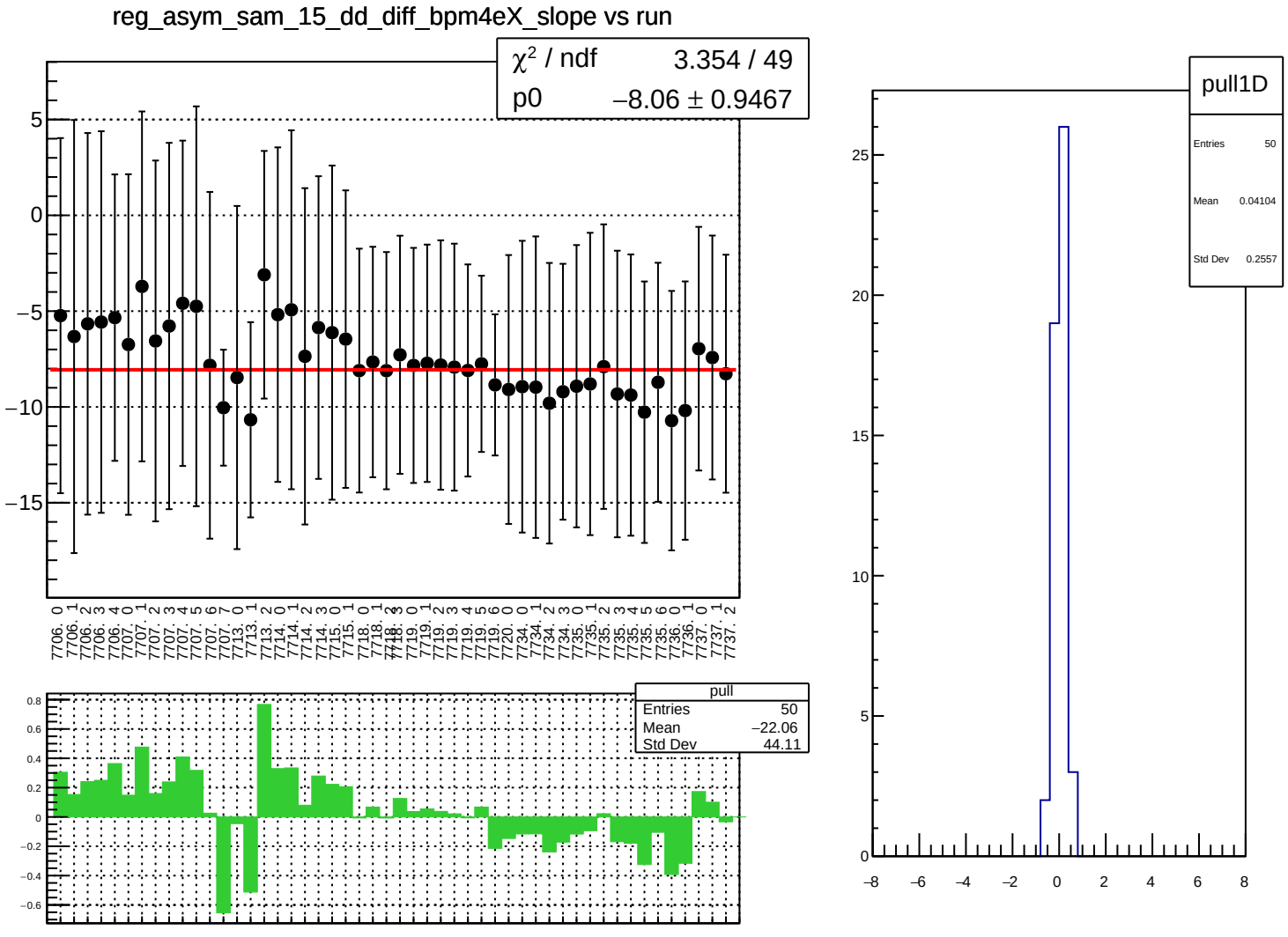

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 815.4 / 49
p0 32.81 ± 0.626
pull
Entries 50
Mean 140.4
Std Dev 106.4
pull1D
Entries 50
Mean −0.605
Std Dev 3.662

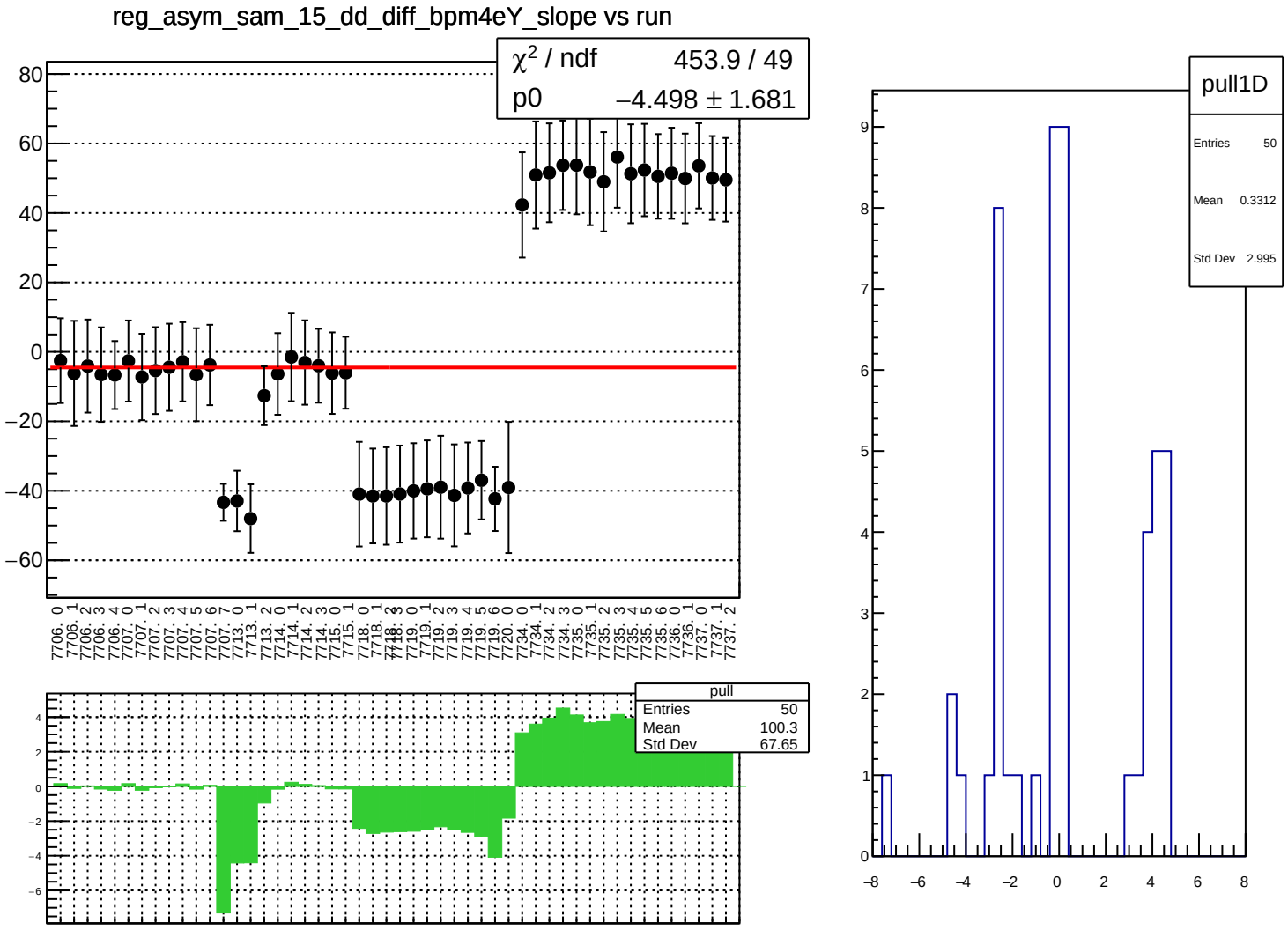

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 99.01 / 49
p0 0.04625 ± 0.0211
pull
Entries 50
Mean 0.9911
Std Dev 36.12
pull1D
Entries 50
Mean 0.1774
Std Dev 1.396

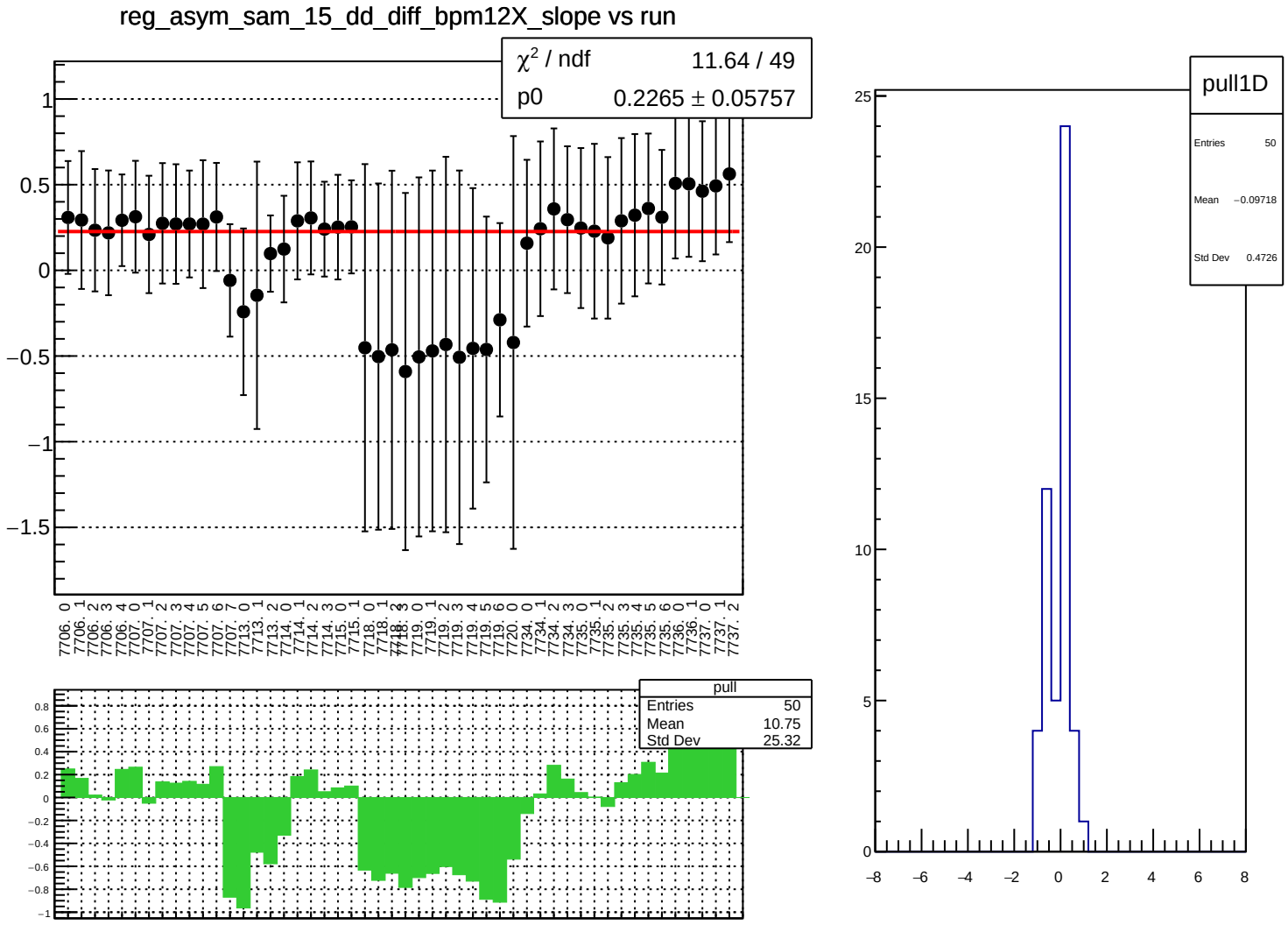

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 11.11 / 49
p0 −3.419 ± 1.046
pull
Entries 50
Mean −79.71
Std Dev 106.9

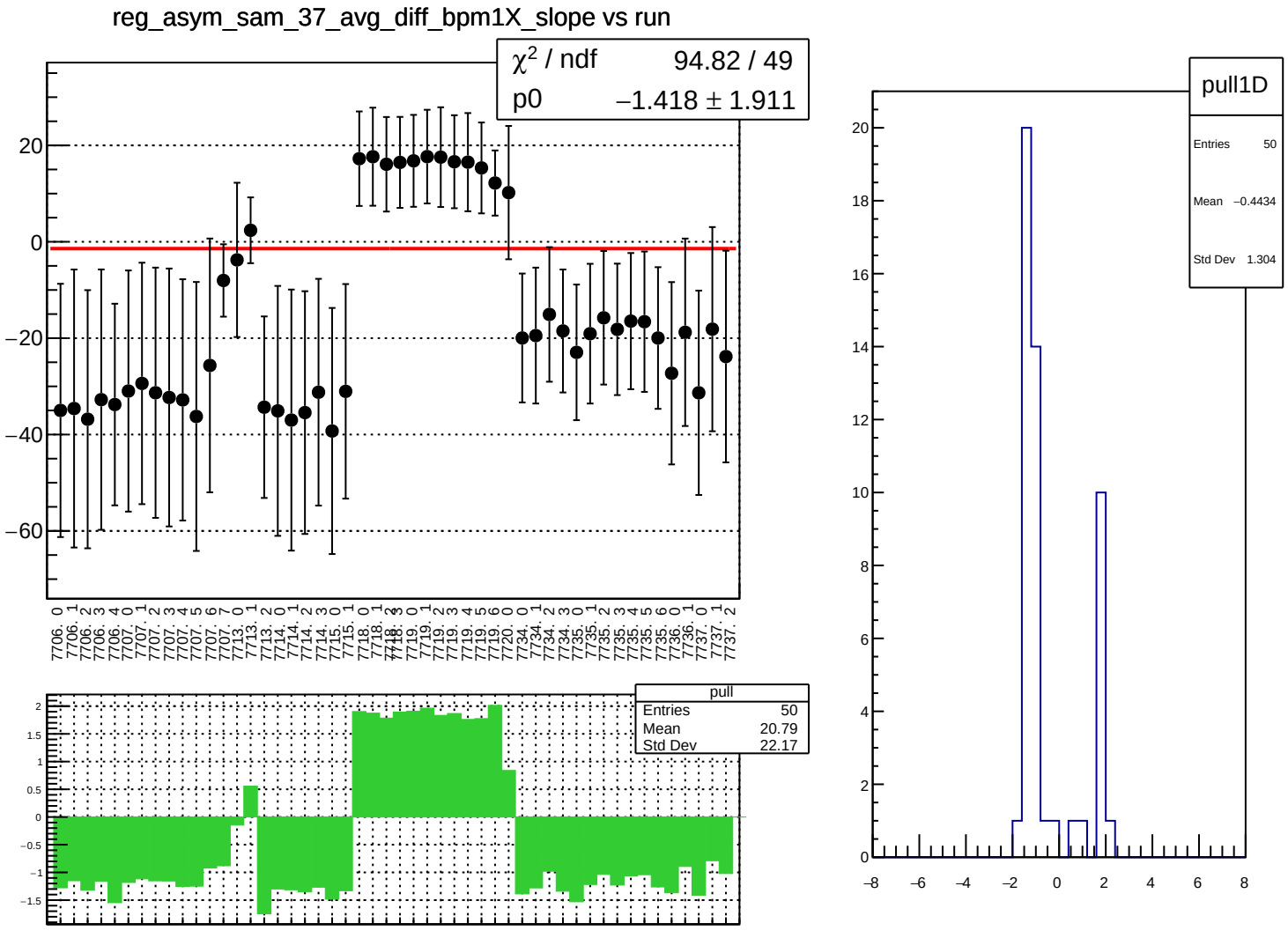

pull1D
Entries 50
Mean −0.05142
Std Dev 0.4686

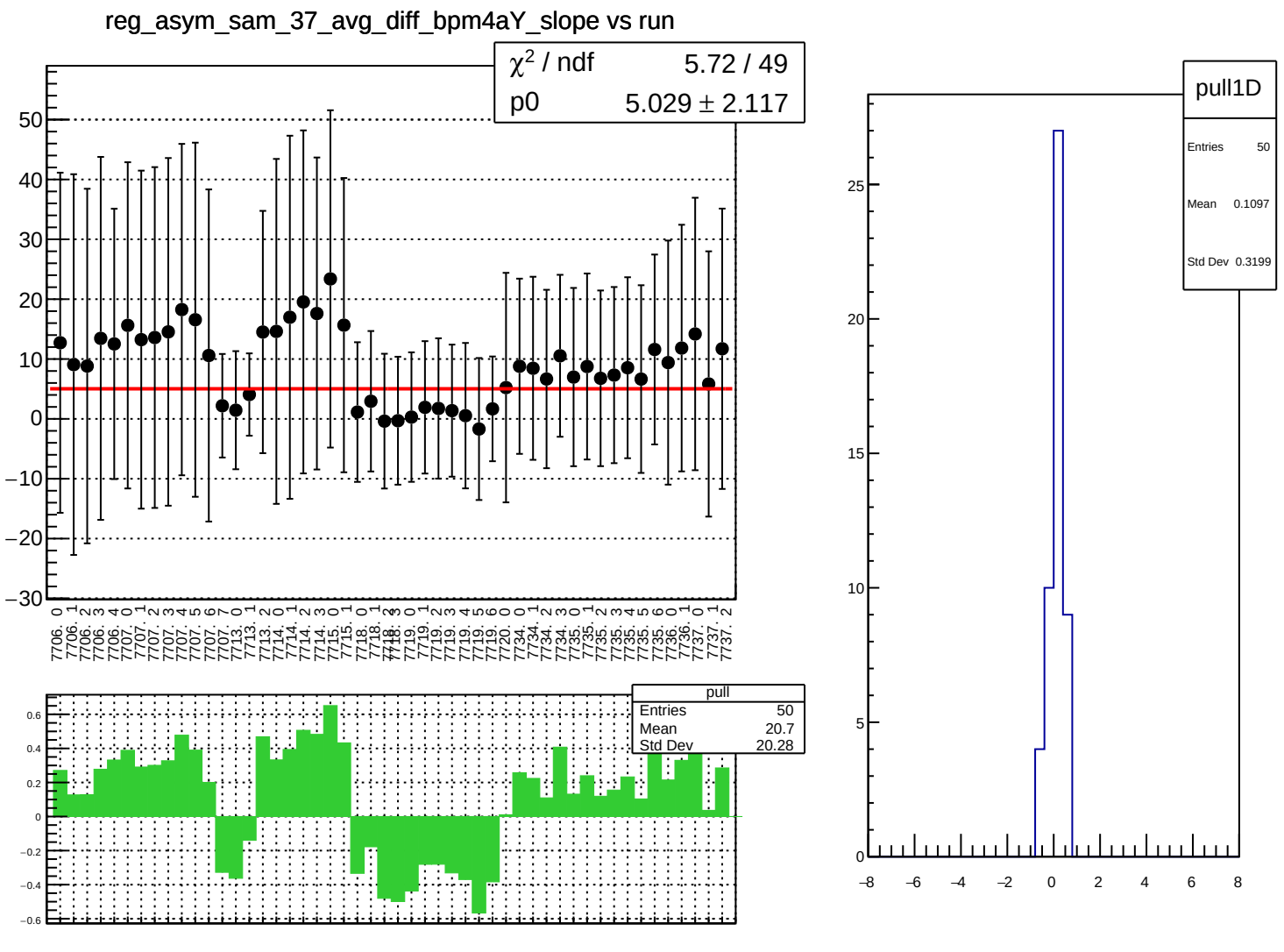

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 338.4 / 49
p0 −78.98 ± 1.148
−40
−50
−60
−70
−80
−90
−100
−110
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 131.9
Std Dev 94.8
6
4
2
0
−2
pull1D
Entries 50
Mean −0.1232
Std Dev 2.599
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

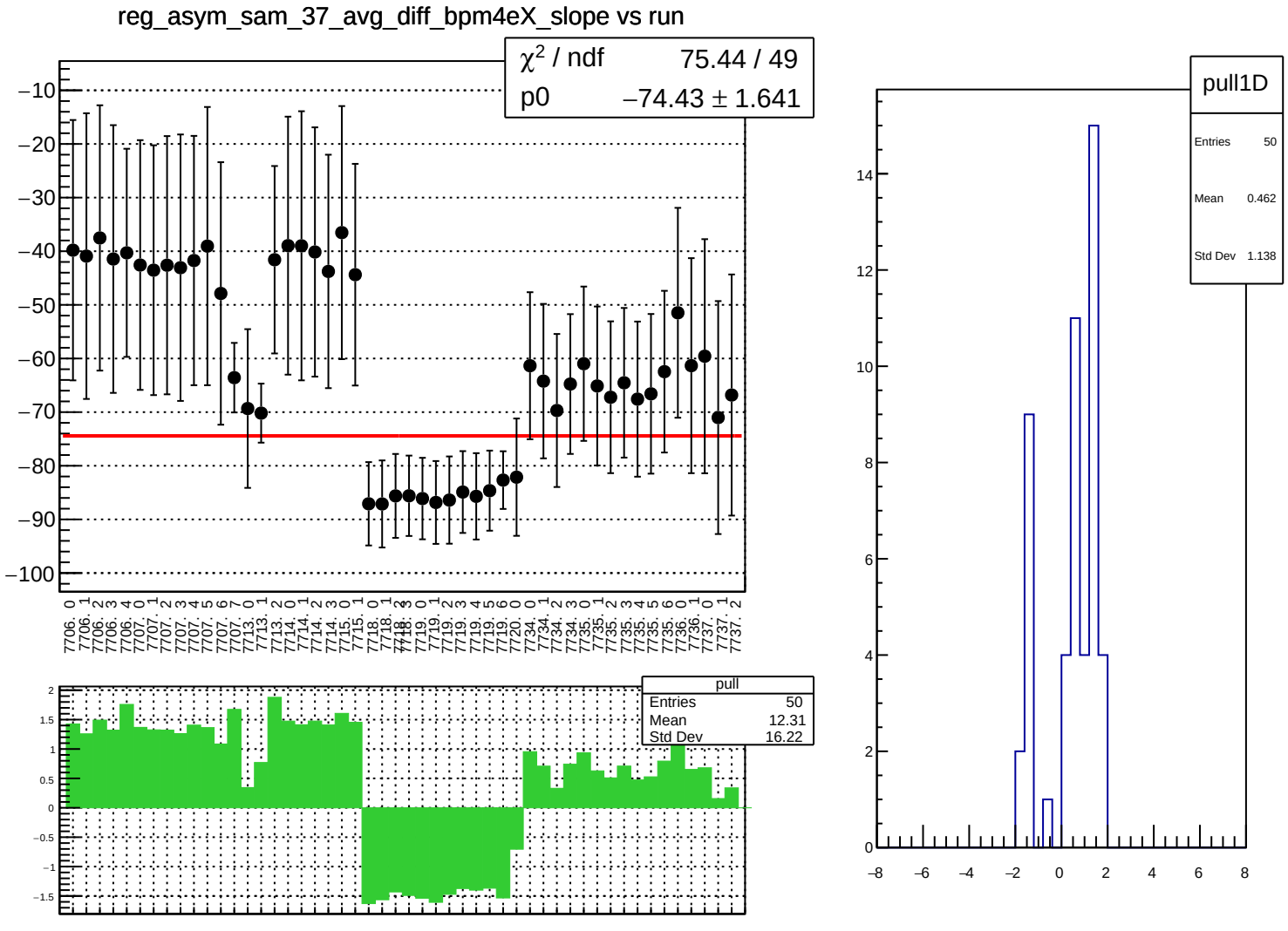

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.354 / 49
p0 −8.06 ± 0.9467
pull
Entries 50
Mean −22.06
Std Dev 44.11
pull1D
Entries 50
Mean 0.04104
Std Dev 0.2557

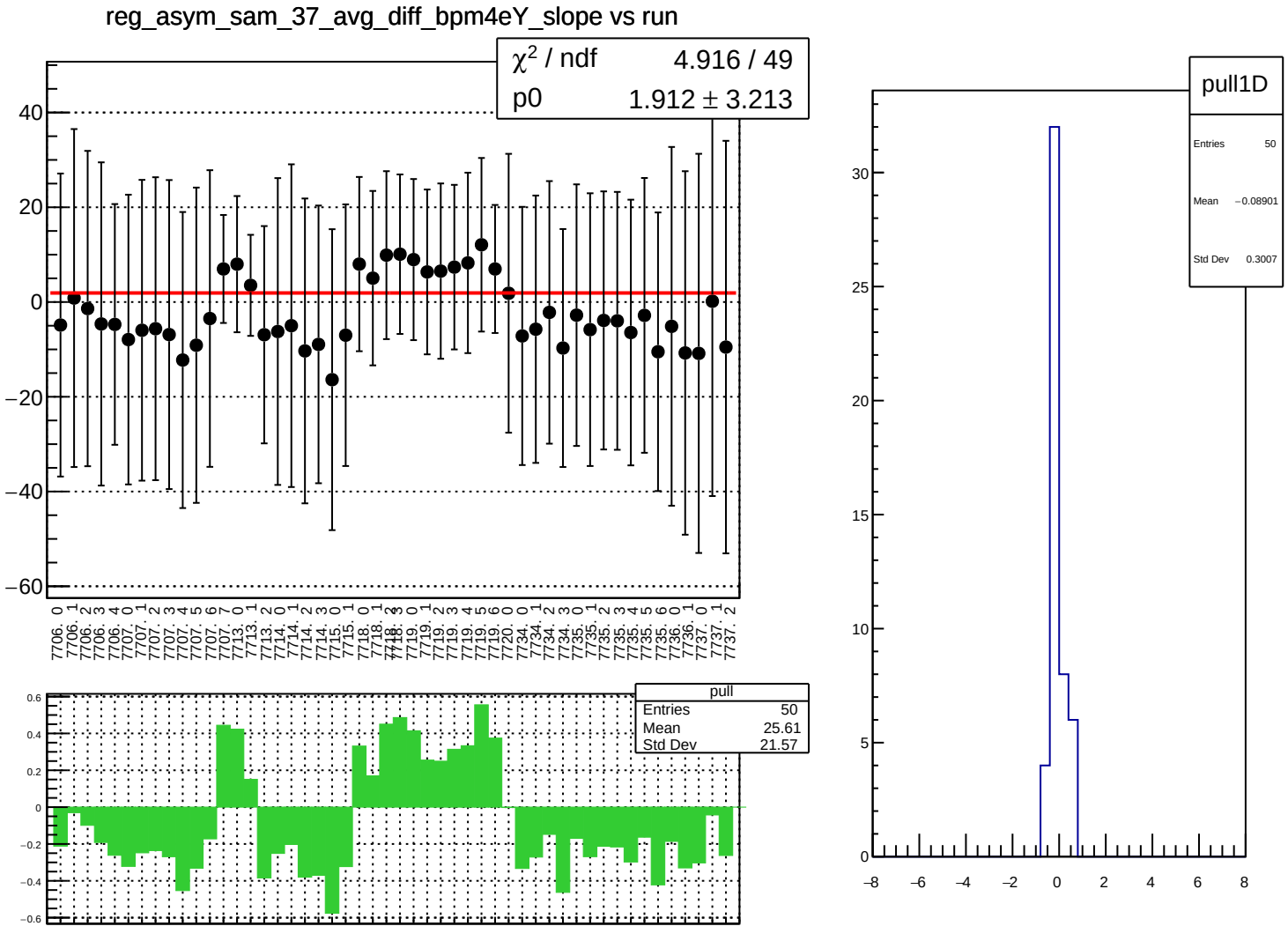

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 453.9 / 49
p0 −4.498 ± 1.681
pull
Entries 50
Mean 100.3
Std Dev 67.65
pull1D
Entries 50
Mean 0.3312
Std Dev 2.995

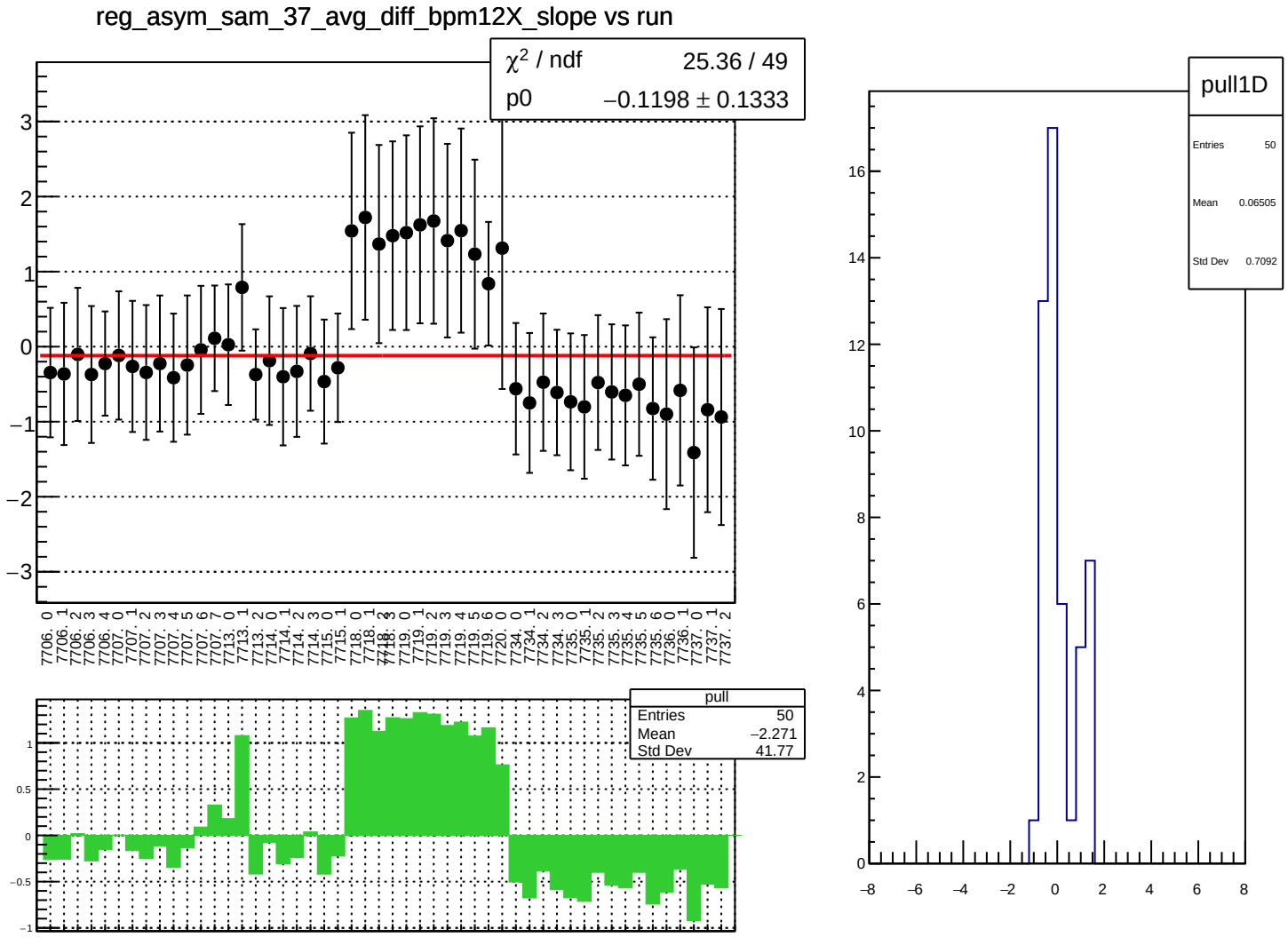

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 11.64 / 49
p0 0.2265 ± 0.05757
pull
Entries 50
Mean 10.75
Std Dev 25.32
pull1D
Entries 50
Mean −0.09718
Std Dev 0.4726

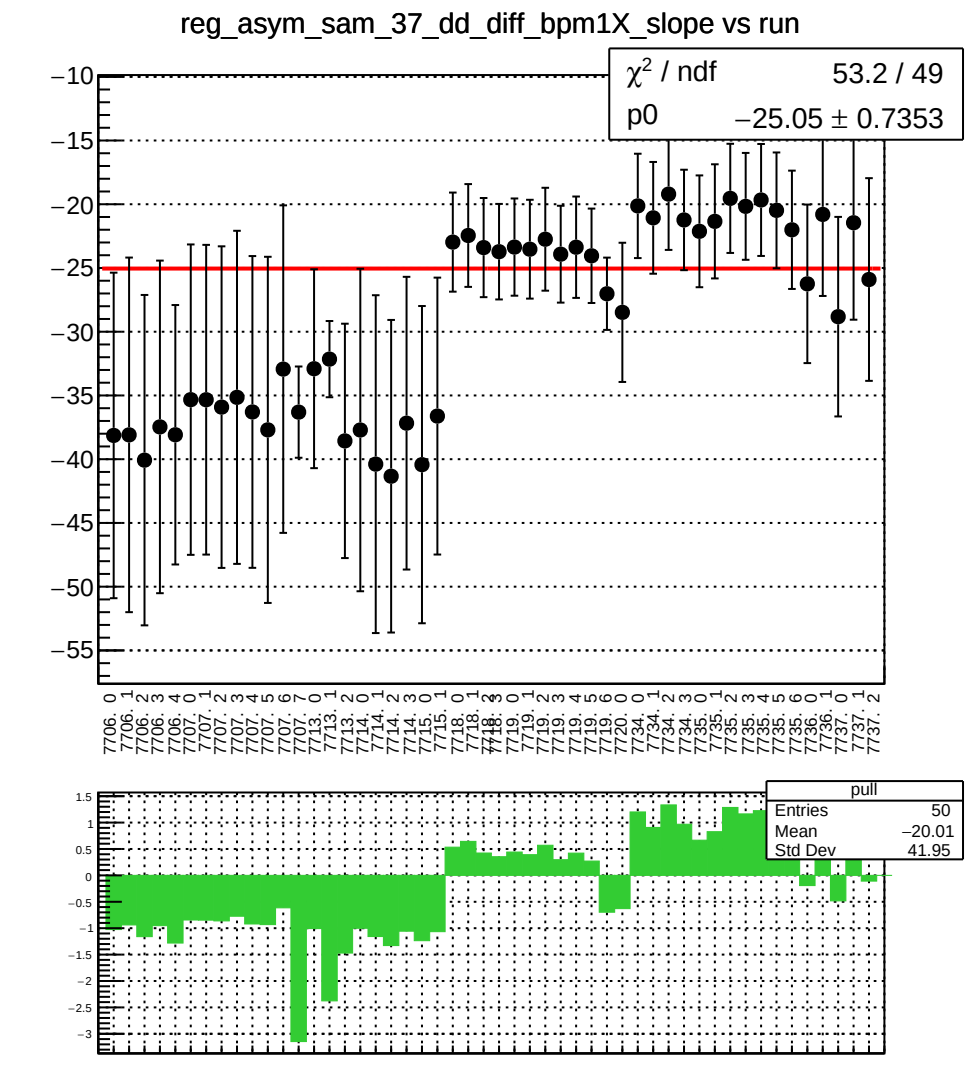

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 94.82 / 49
p0 −1.418 ± 1.911
20
0
−20
−40
−60
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 20.79
Std Dev 22.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.4434
Std Dev 1.304
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

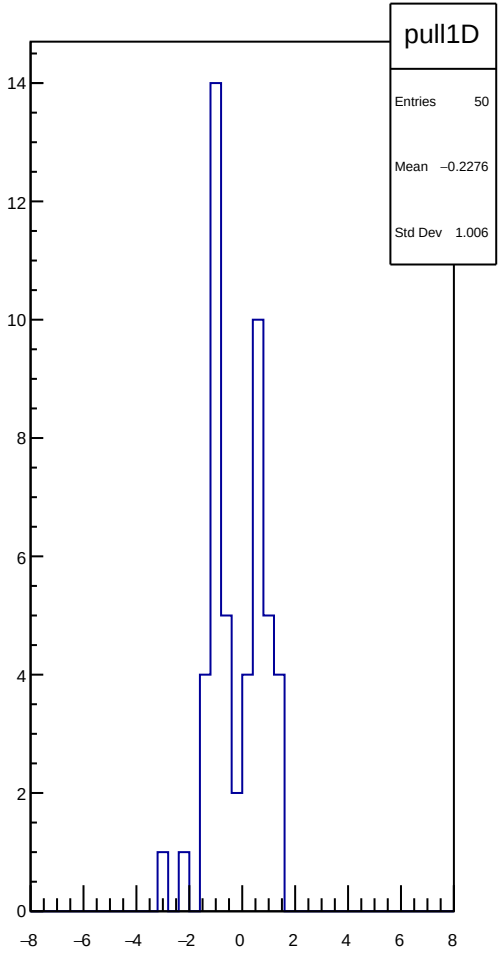

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.72 / 49
p0 5.029 ± 2.117
pull
Entries 50
Mean 20.7
Std Dev 20.28
pull1D
Entries 50
Mean 0.1097
Std Dev 0.3199

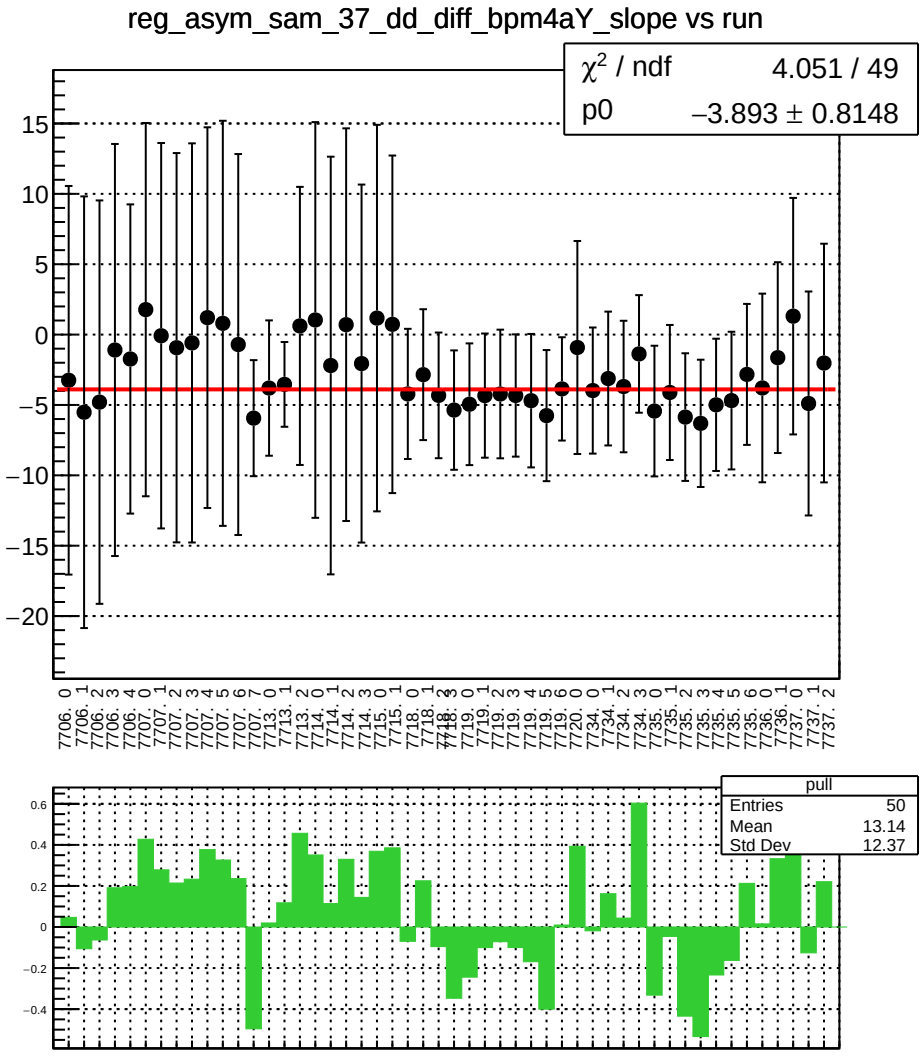

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.44 / 49
p0 −74.43 ± 1.641
pull
Entries 50
Mean 12.31
Std Dev 16.22
pull1D
Entries 50
Mean 0.462
Std Dev 1.138

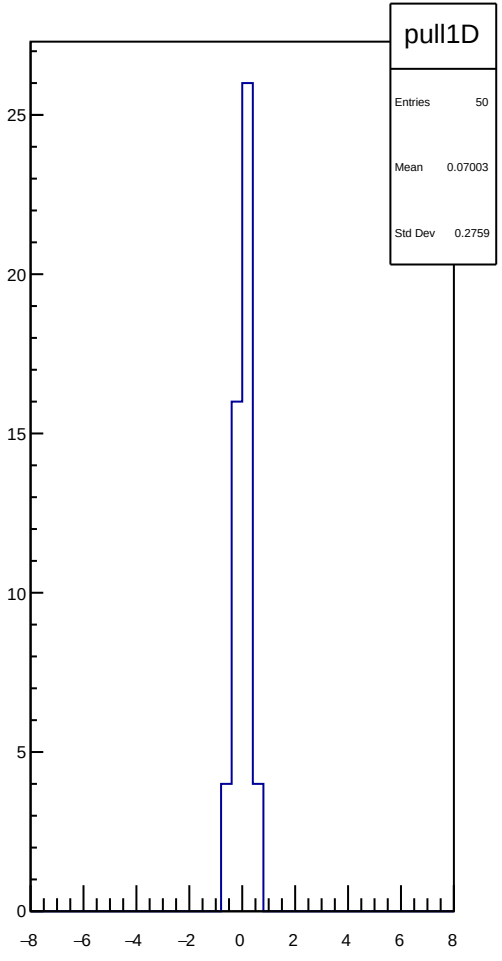

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.916 / 49
p0 1.912 ± 3.213
pull
Entries 50
Mean 25.61
Std Dev 21.57
pull1D
Entries 50
Mean −0.08901
Std Dev 0.3007

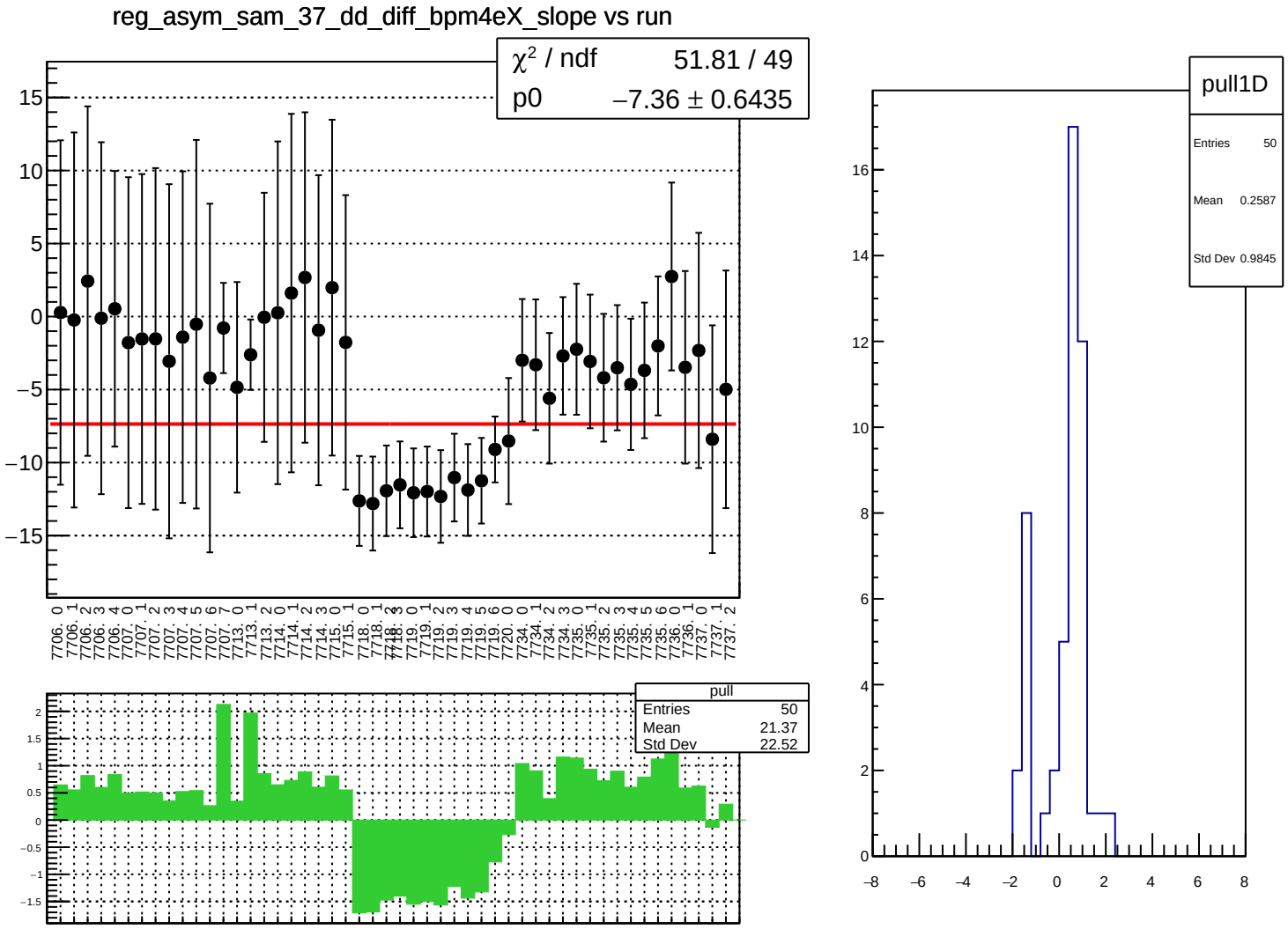

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 25.36 / 49
p0 −0.1198 ± 0.1333
pull
Entries 50
Mean −2.271
Std Dev 41.77
pull1D
Entries 50
Mean 0.06505
Std Dev 0.7092

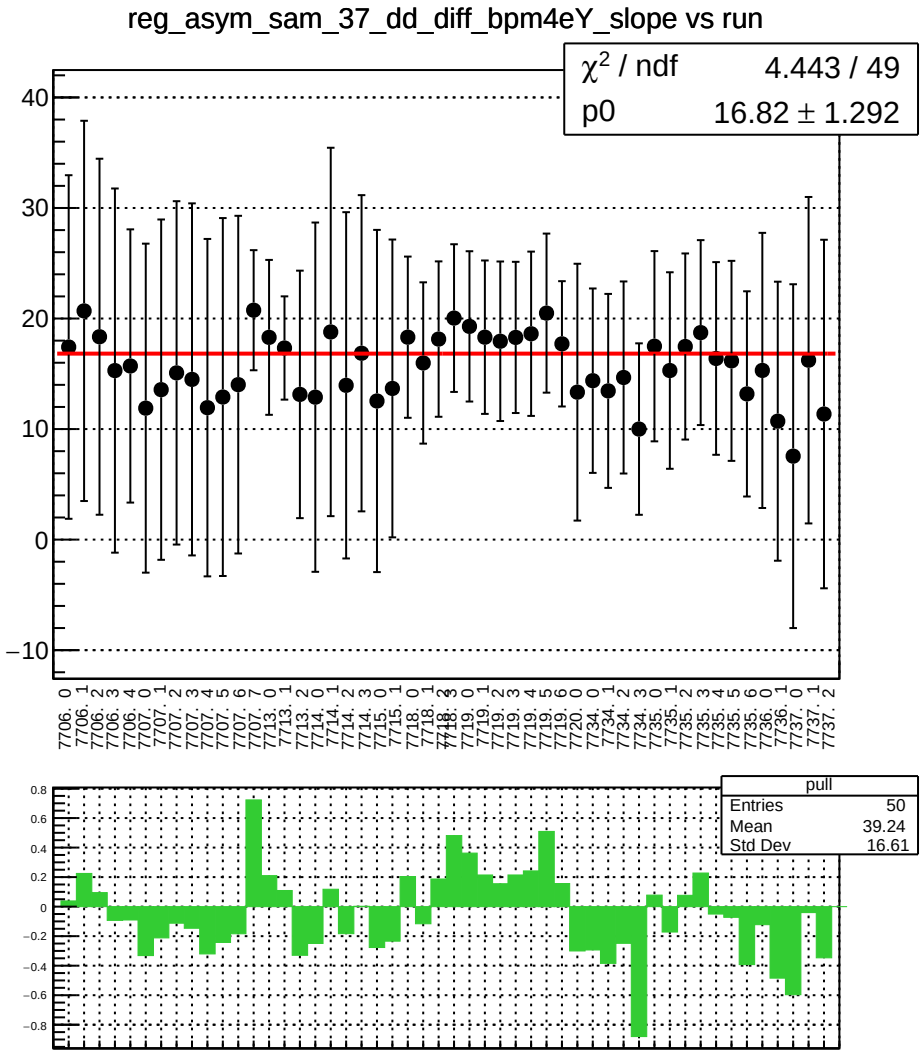

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 53.2 / 49
p0 −25.05 ± 0.7353
pull
Entries 50
Mean −20.01
Std Dev 41.95

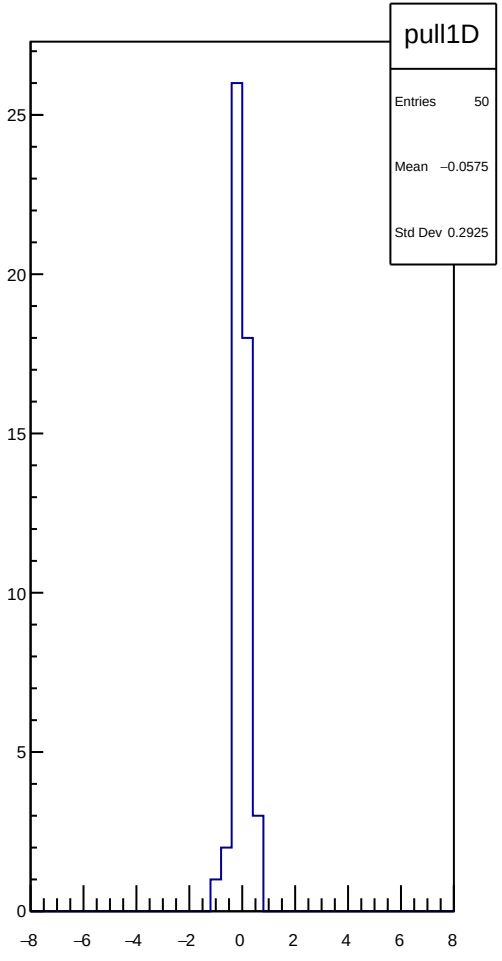

pull1D
Entries 50
Mean −0.2276
Std Dev 1.006

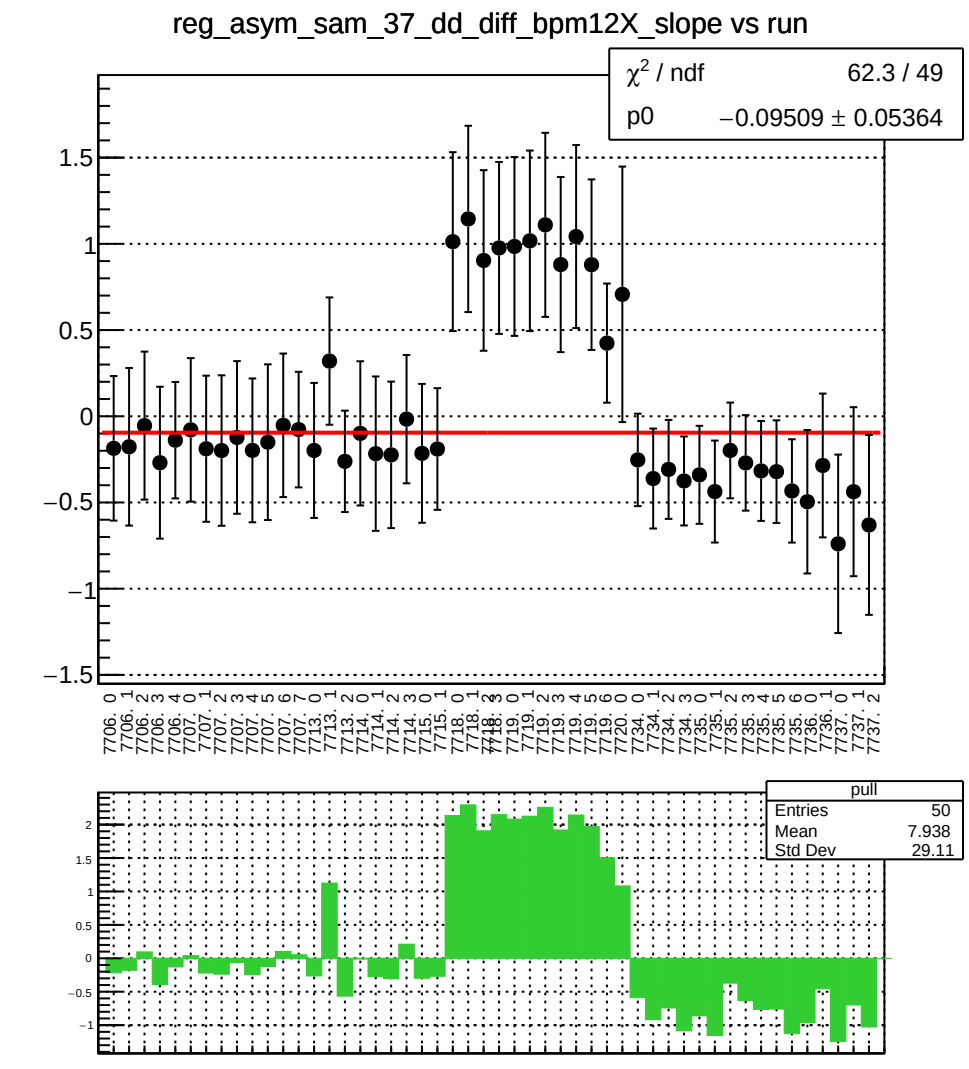

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.051 / 49
p0 −3.893 ± 0.8148
pull
Entries 50
Mean 13.14
Std Dev 12.37

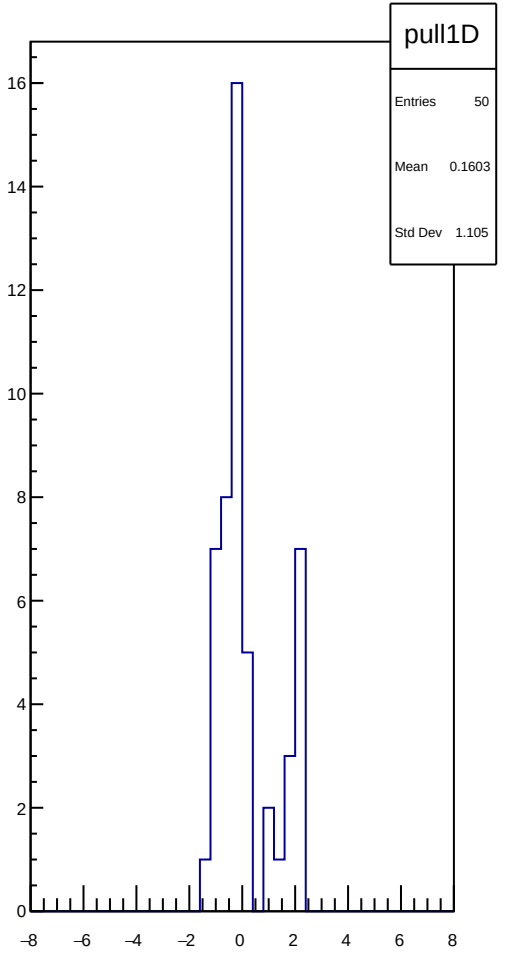

pull1D
Entries 50
Mean 0.07003
Std Dev 0.2759

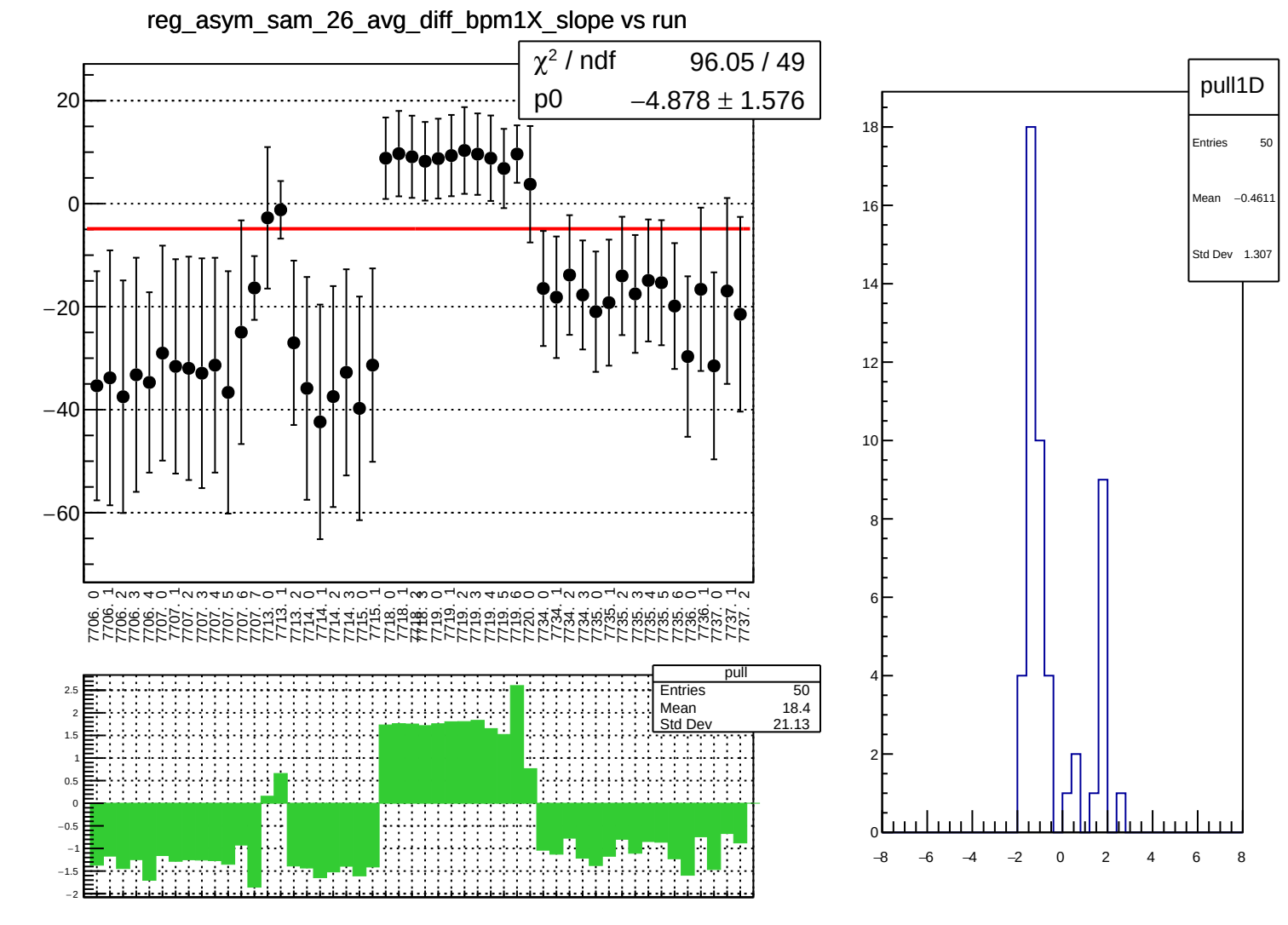

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.81 / 49
p0 −7.36 ± 0.6435
15
10
5
0
−5
−10
−15
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 21.37
Std Dev 22.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.2587
Std Dev 0.9845
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

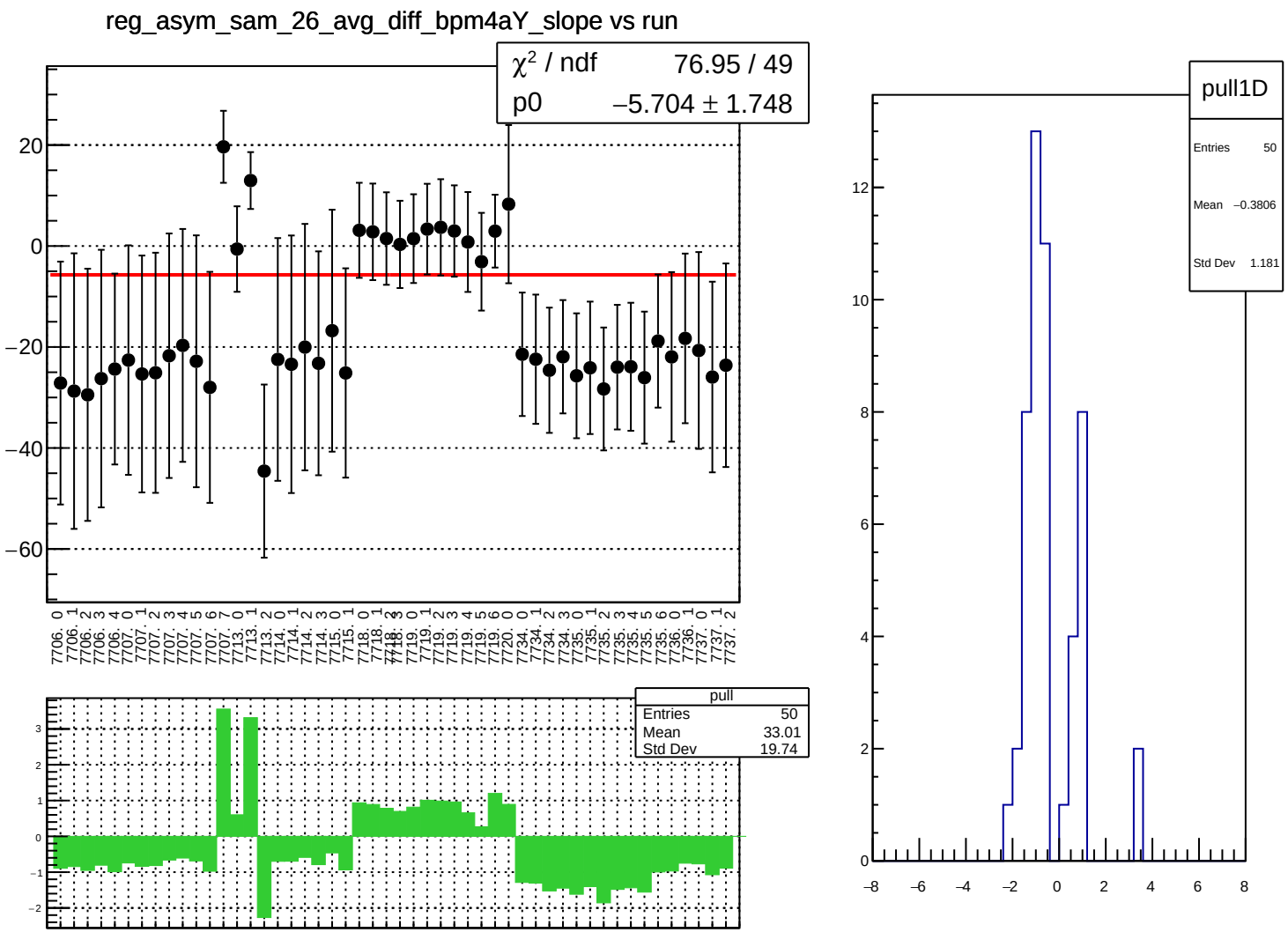

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.443 / 49
p0 16.82 ± 1.292
pull
Entries 50
Mean 39.24
Std Dev 16.61

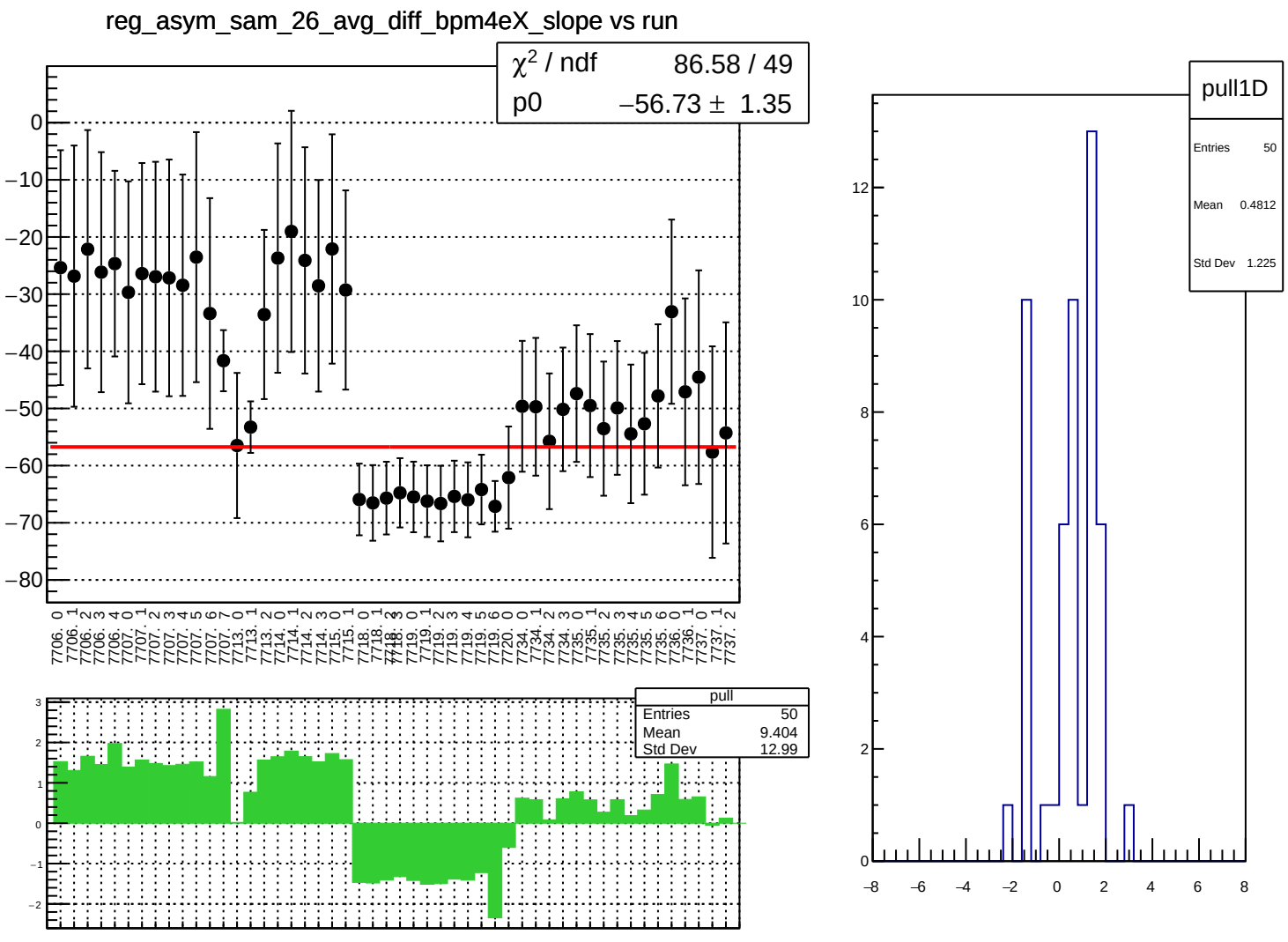

pull1D
Entries 50
Mean −0.0575
Std Dev 0.2925

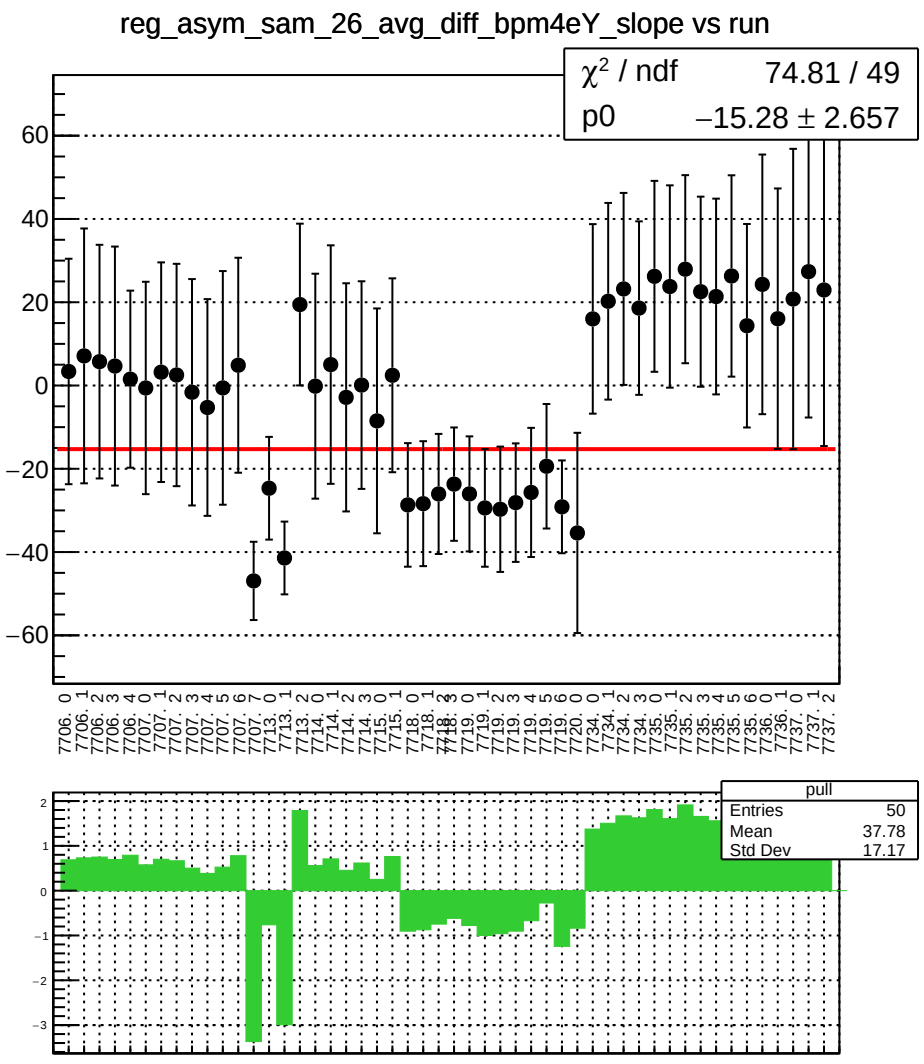

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 62.3 / 49
p0 −0.09509 ± 0.05364
pull
Entries 50
Mean 7.938
Std Dev 29.11

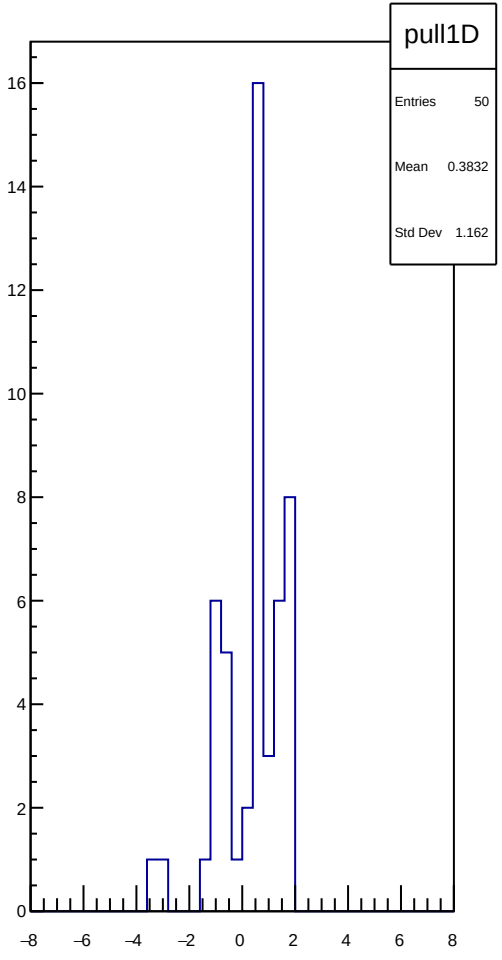

pull1D
Entries 50
Mean 0.1603
Std Dev 1.105

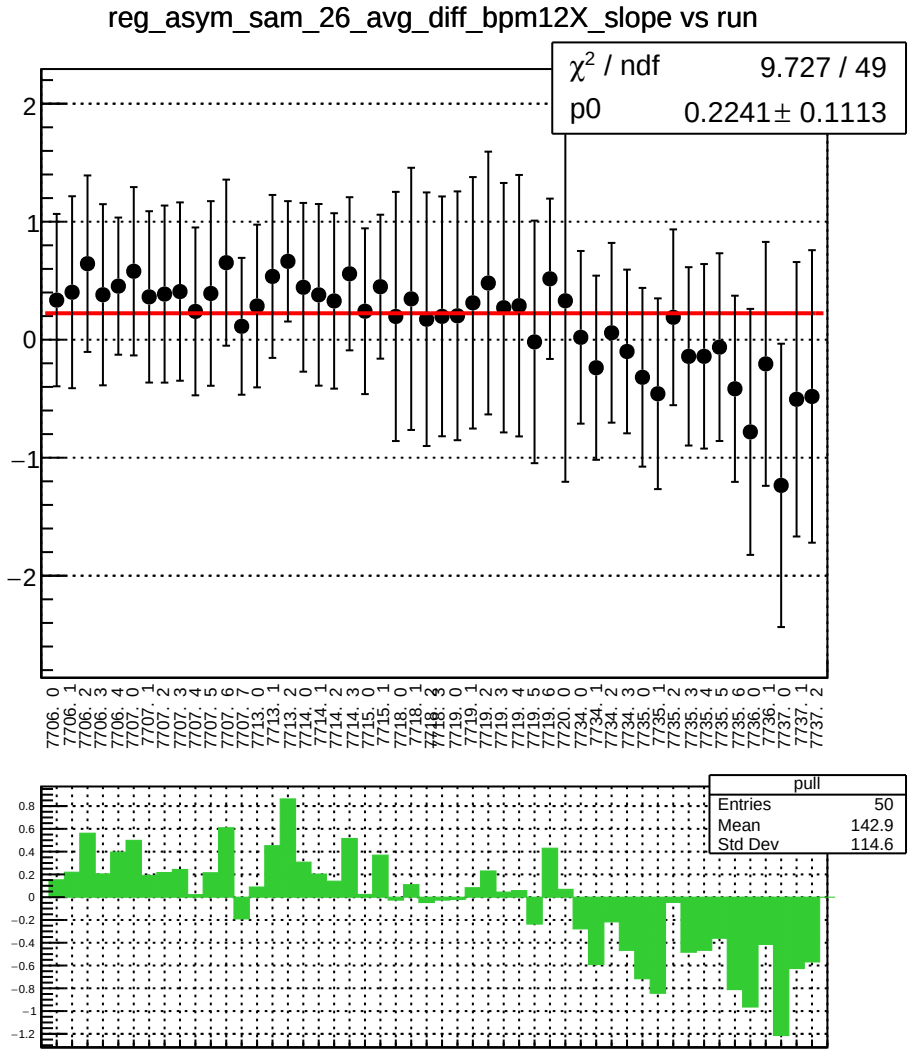

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 96.05 / 49
p0 −4.878 ± 1.576
pull
Entries 50
Mean 18.4
Std Dev 21.13
pull1D
Entries 50
Mean −0.4611
Std Dev 1.307

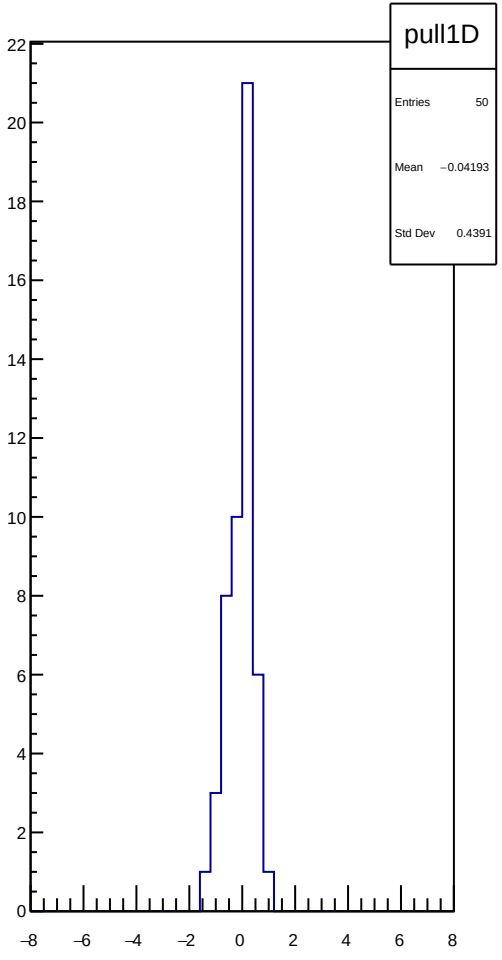

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 76.95 / 49
p0 −5.704 ± 1.748
pull
Entries 50
Mean 33.01
Std Dev 19.74
pull1D
Entries 50
Mean −0.3806
Std Dev 1.181

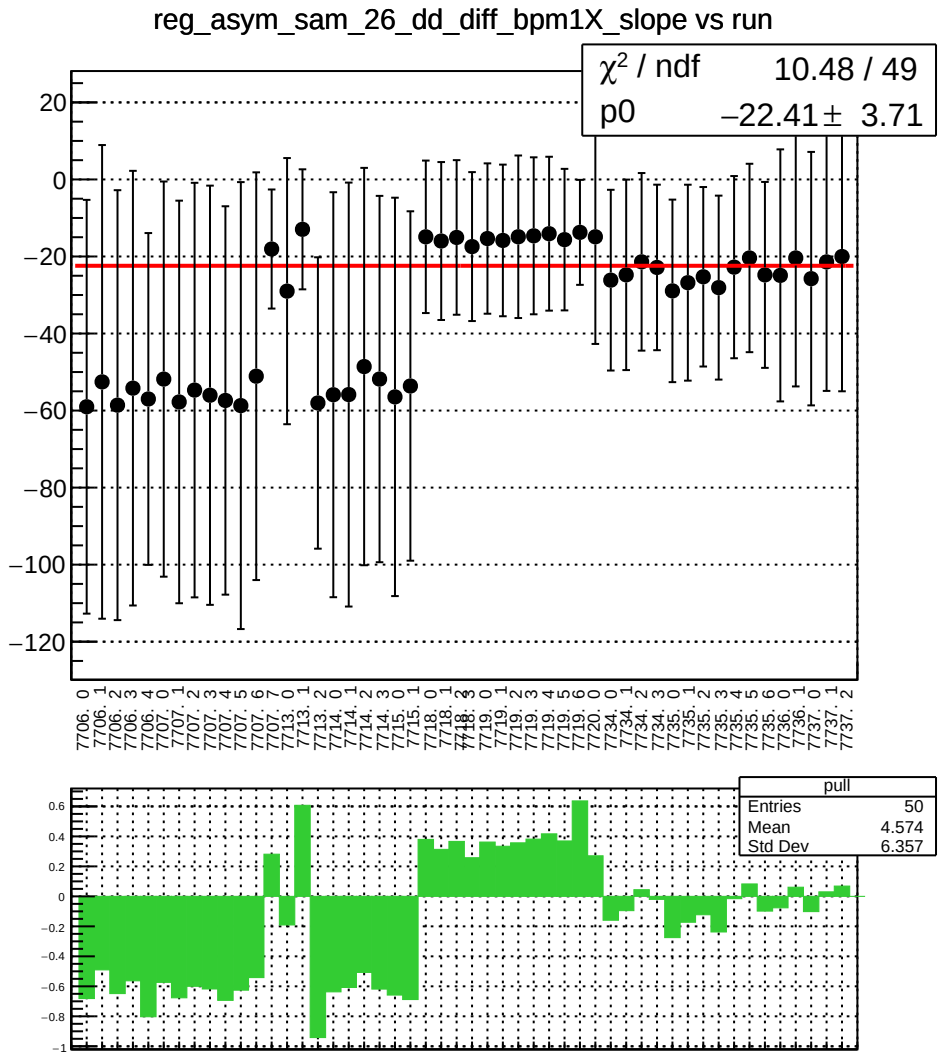

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.58 / 49
p0 −56.73 ± 1.35
pull
Entries 50
Mean 9.404
Std Dev 12.99
pull1D
Entries 50
Mean 0.4812
Std Dev 1.225

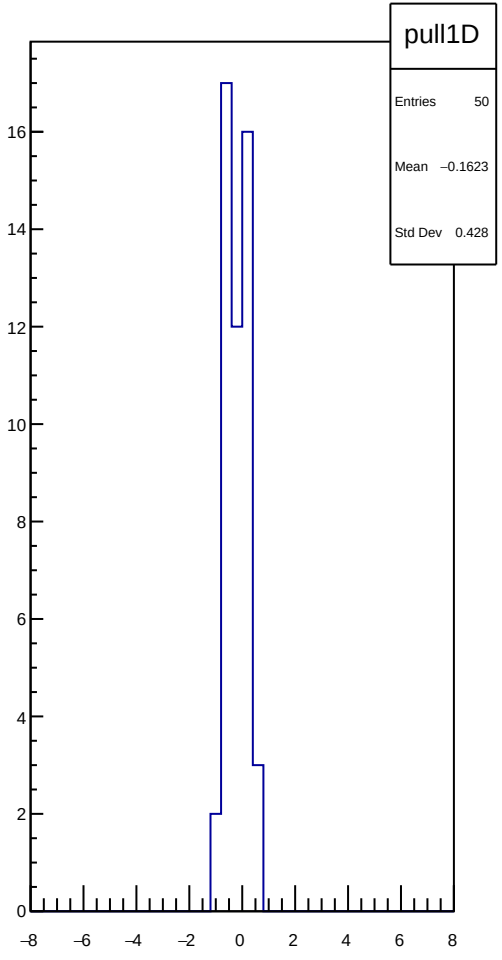

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.81 / 49
p0 −15.28 ± 2.657
pull
Entries 50
Mean 37.78
Std Dev 17.17

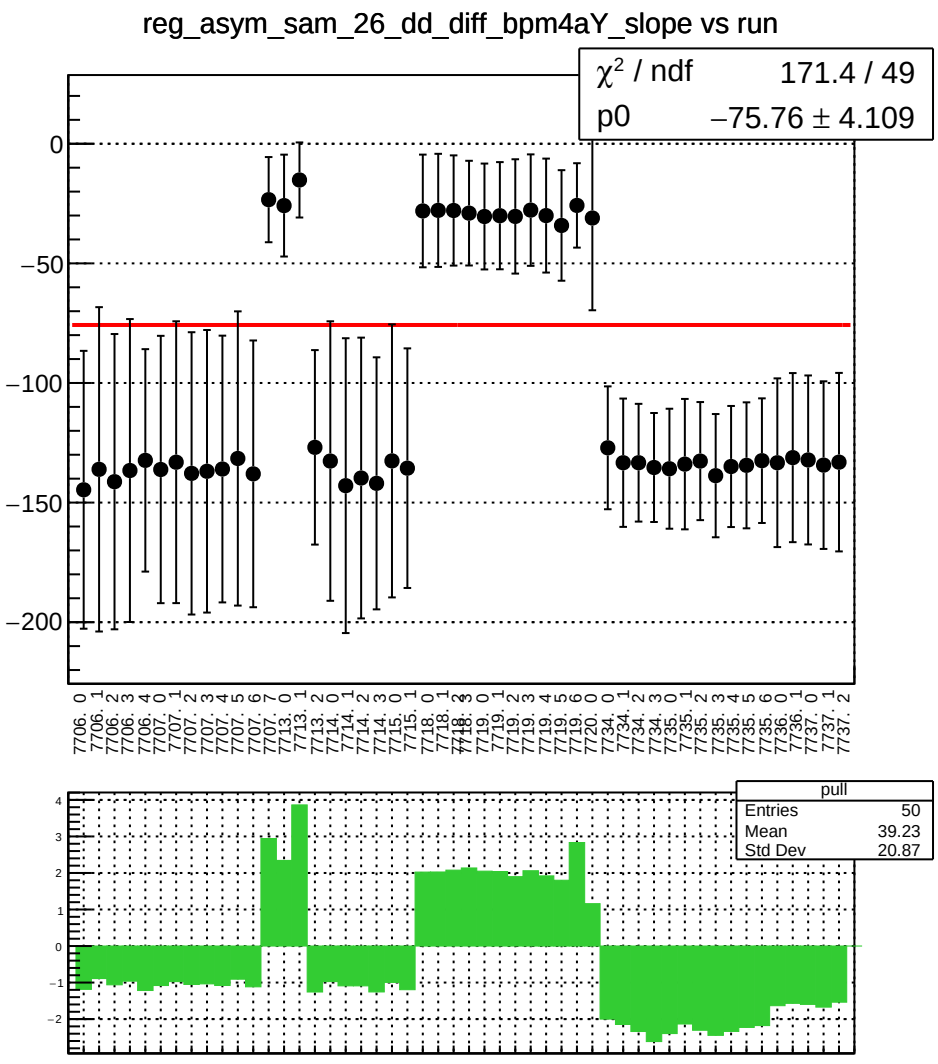

pull1D
Entries 50
Mean 0.3832
Std Dev 1.162

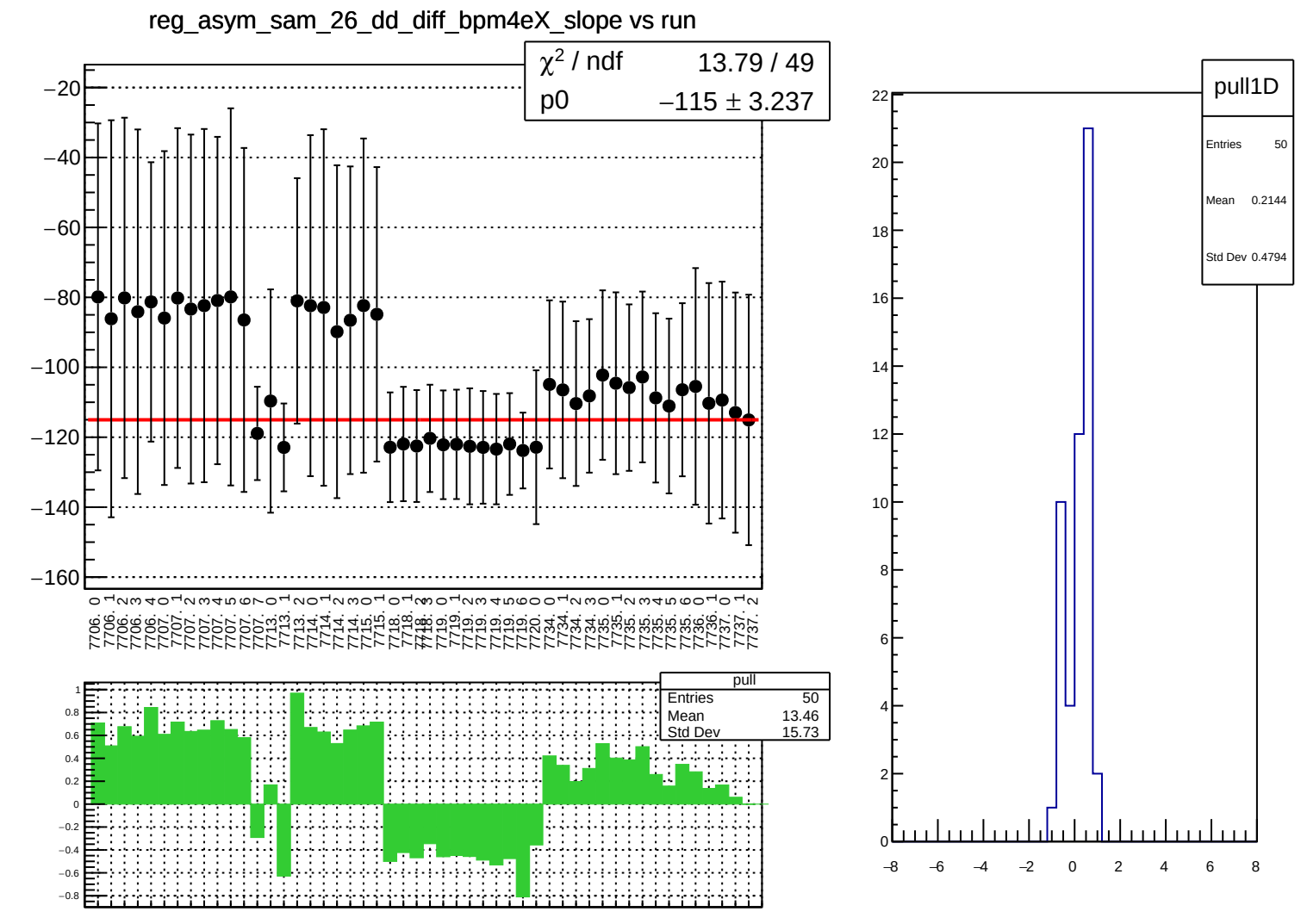

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 9.727 / 49
p0 0.2241± 0.1113
pull
Entries 50
Mean 142.9
Std Dev 114.6

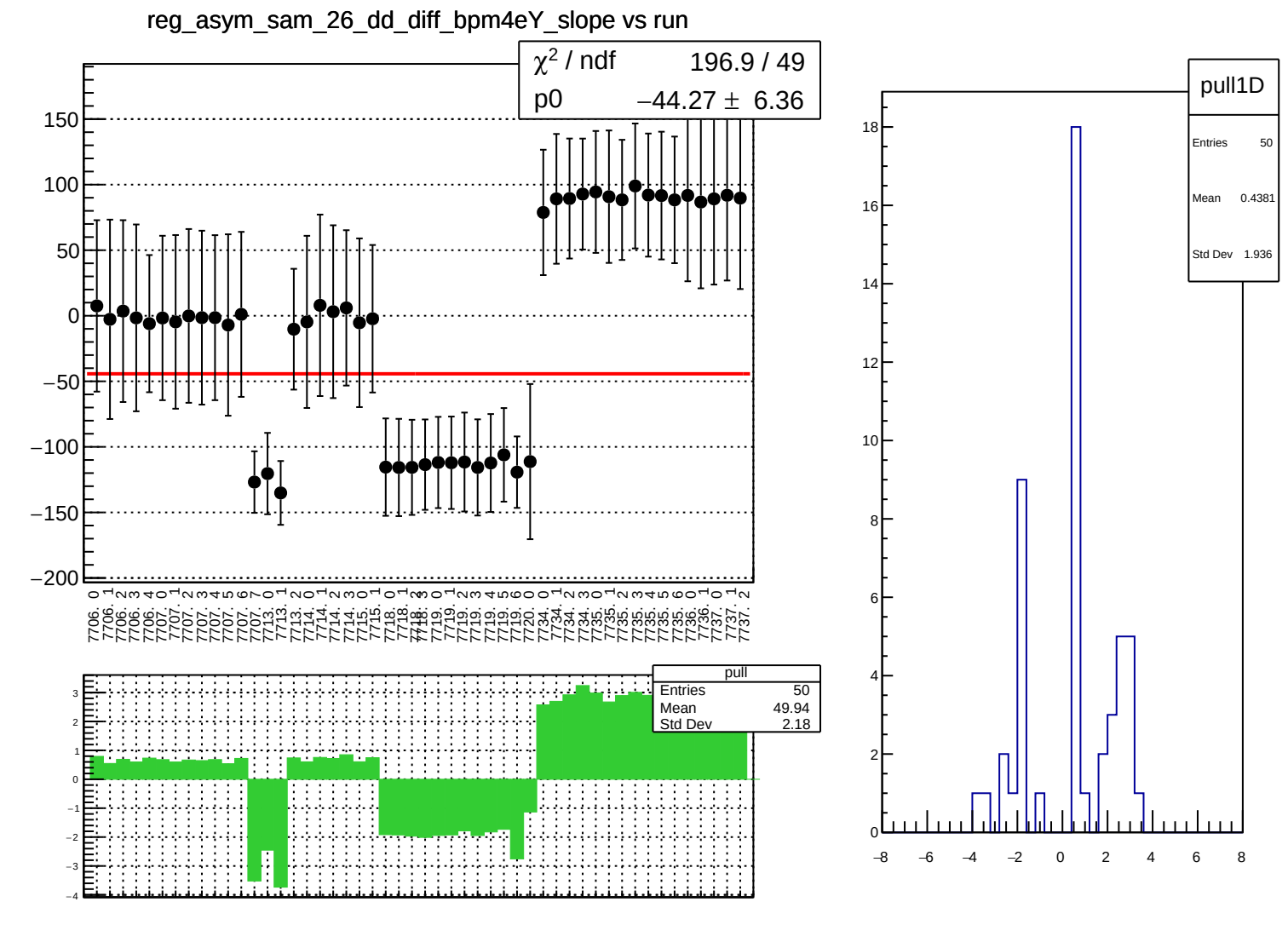

pull1D
Entries 50
Mean −0.04193
Std Dev 0.4391

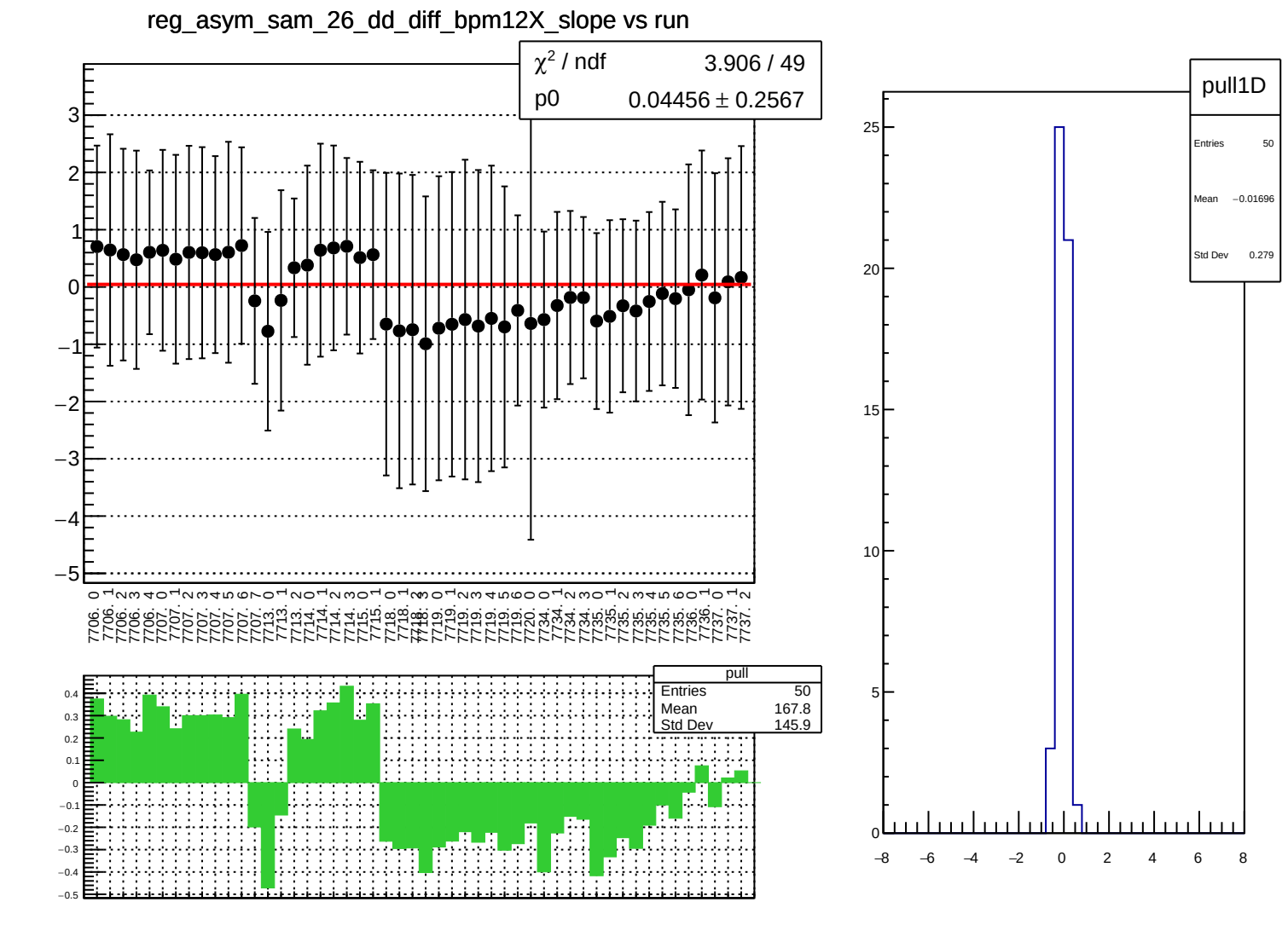

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 10.48 / 49
p0 −22.41 ± 3.71
pull
Entries 50
Mean 4.574
Std Dev 6.357

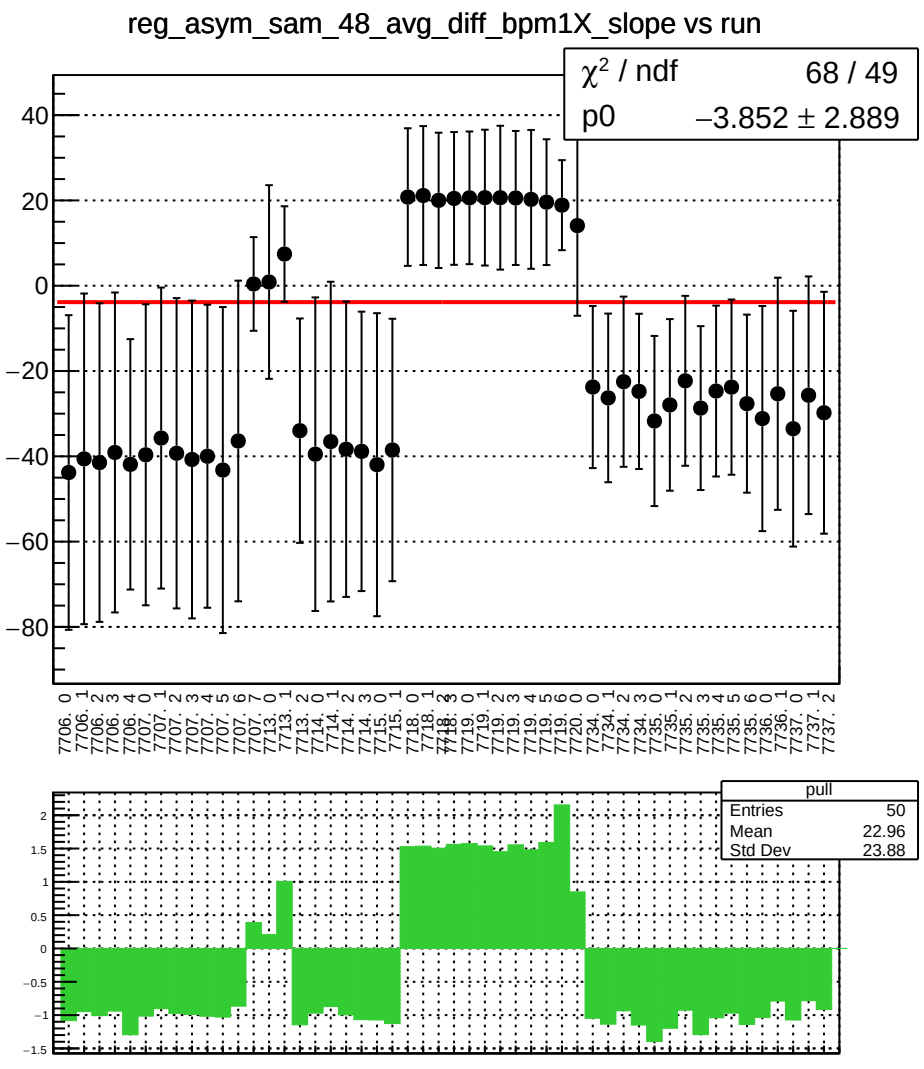

pull1D
Entries 50
Mean −0.1623
Std Dev 0.428

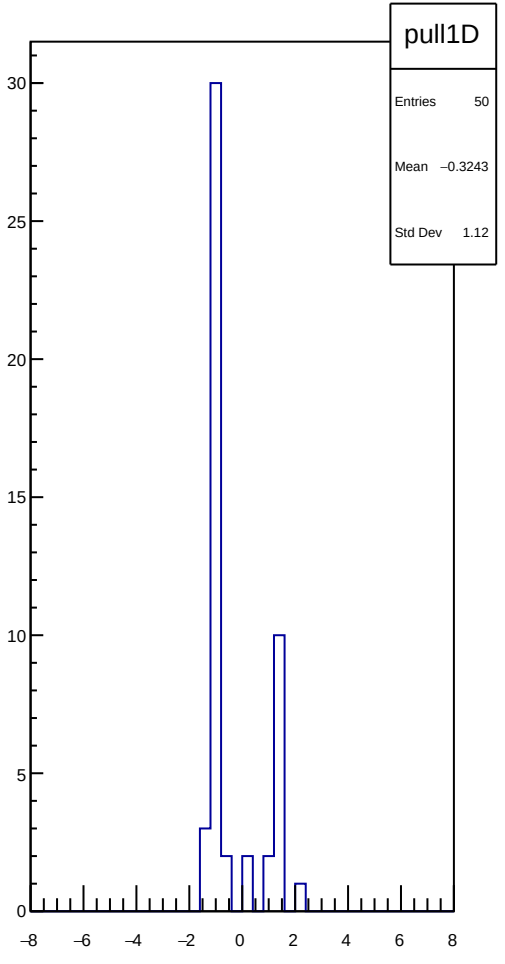

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 171.4 / 49
p0 −75.76 ± 4.109
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 39.23
Std Dev 20.87
4
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.4075
Std Dev 1.806
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

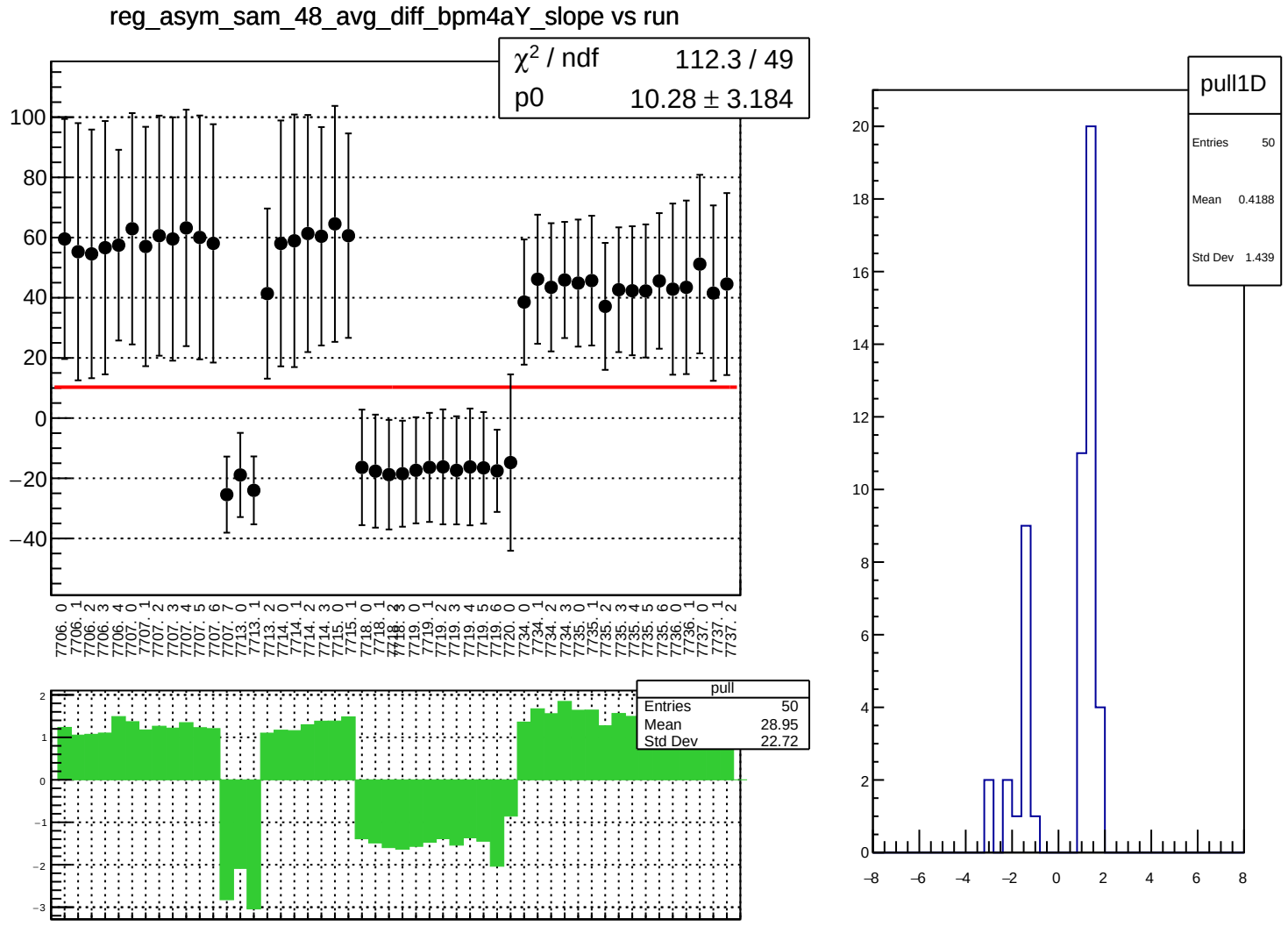

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.79 / 49
p0 −115 ± 3.237
pull
Entries 50
Mean 13.46
Std Dev 15.73
pull1D
Entries 50
Mean 0.2144
Std Dev 0.4794

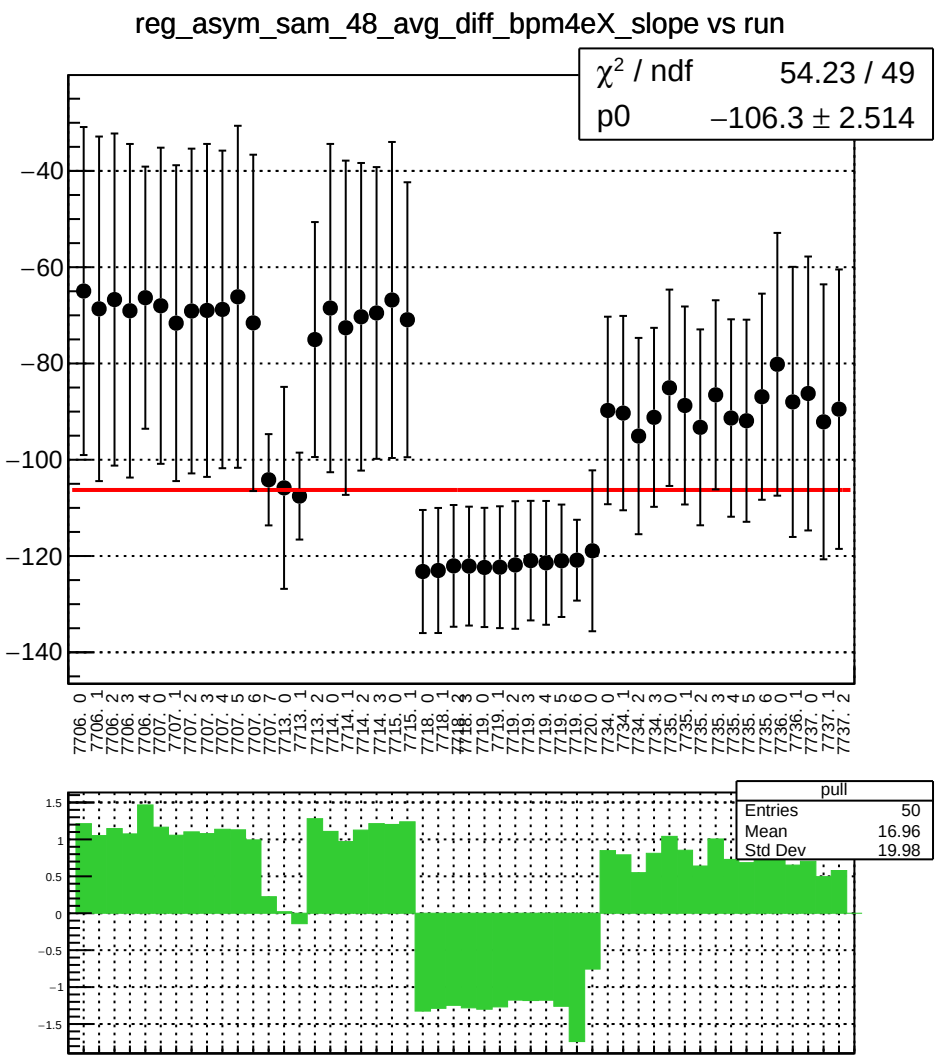

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 196.9 / 49
p0 −44.27 ± 6.36
pull
Entries 50
Mean 49.94
Std Dev 2.18
pull1D
Entries 50
Mean 0.4381
Std Dev 1.936

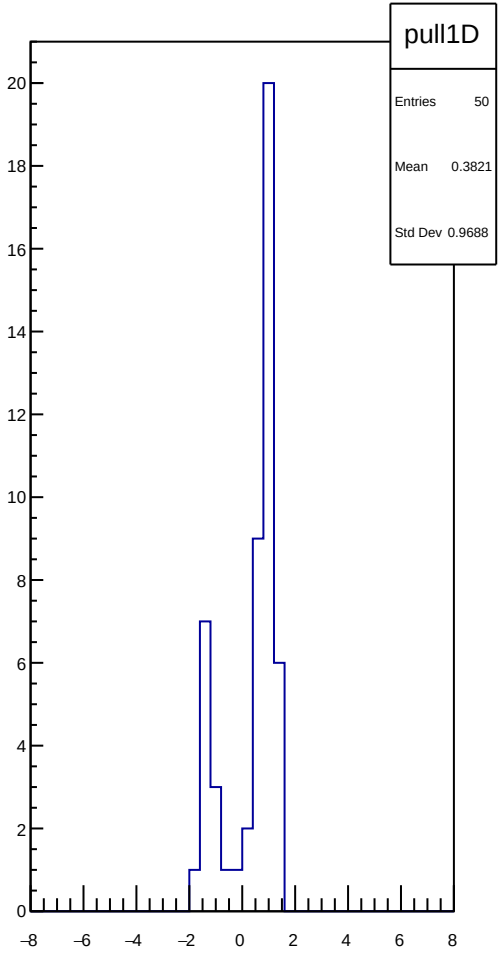

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.906 / 49
p0 0.04456 ± 0.2567
pull
Entries 50
Mean 167.8
Std Dev 145.9
pull1D
Entries 50
Mean −0.01696
Std Dev 0.279

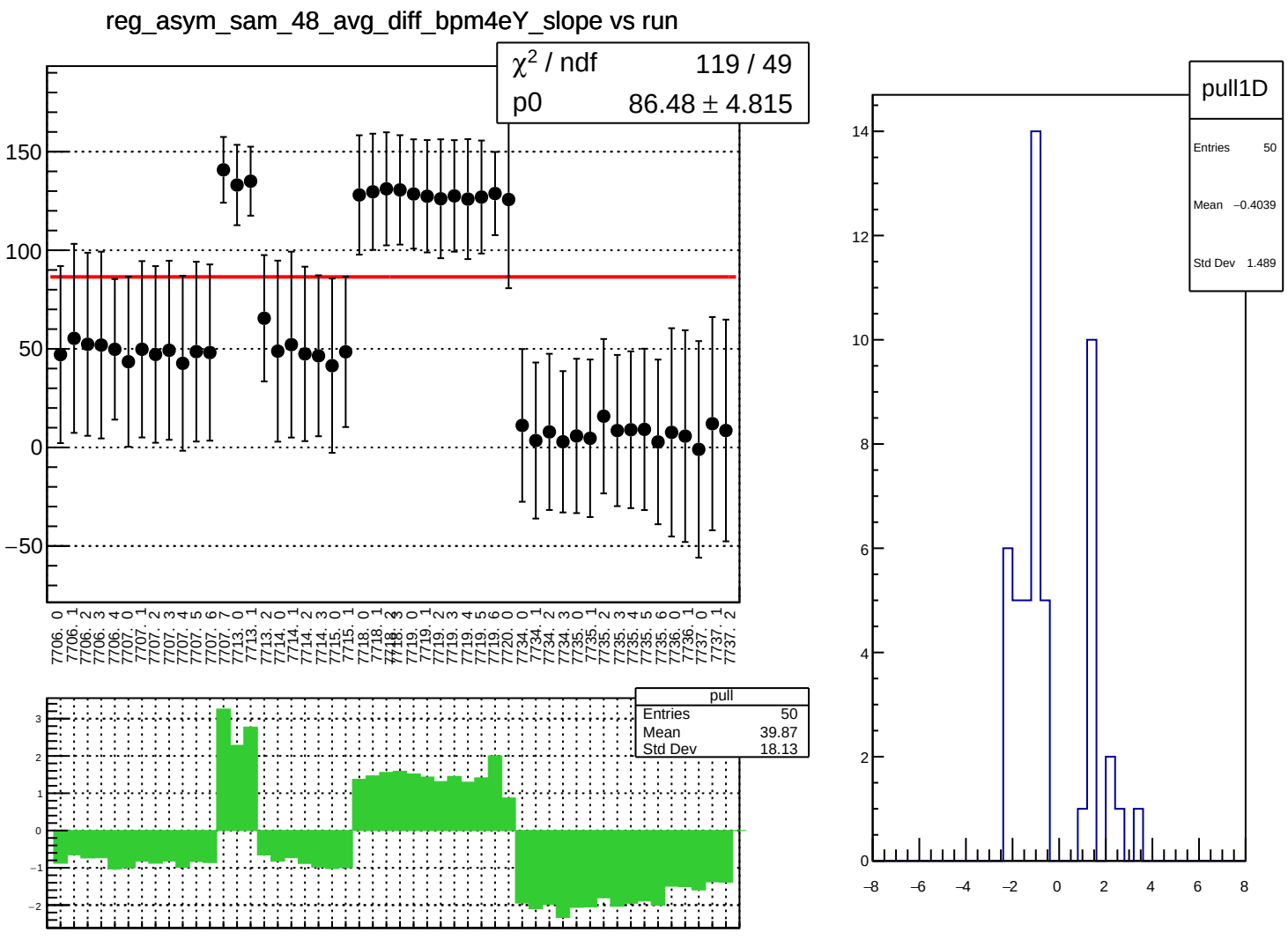

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 68 / 49
p0 −3.852 ± 2.889
pull
Entries 50
Mean 22.96
Std Dev 23.88

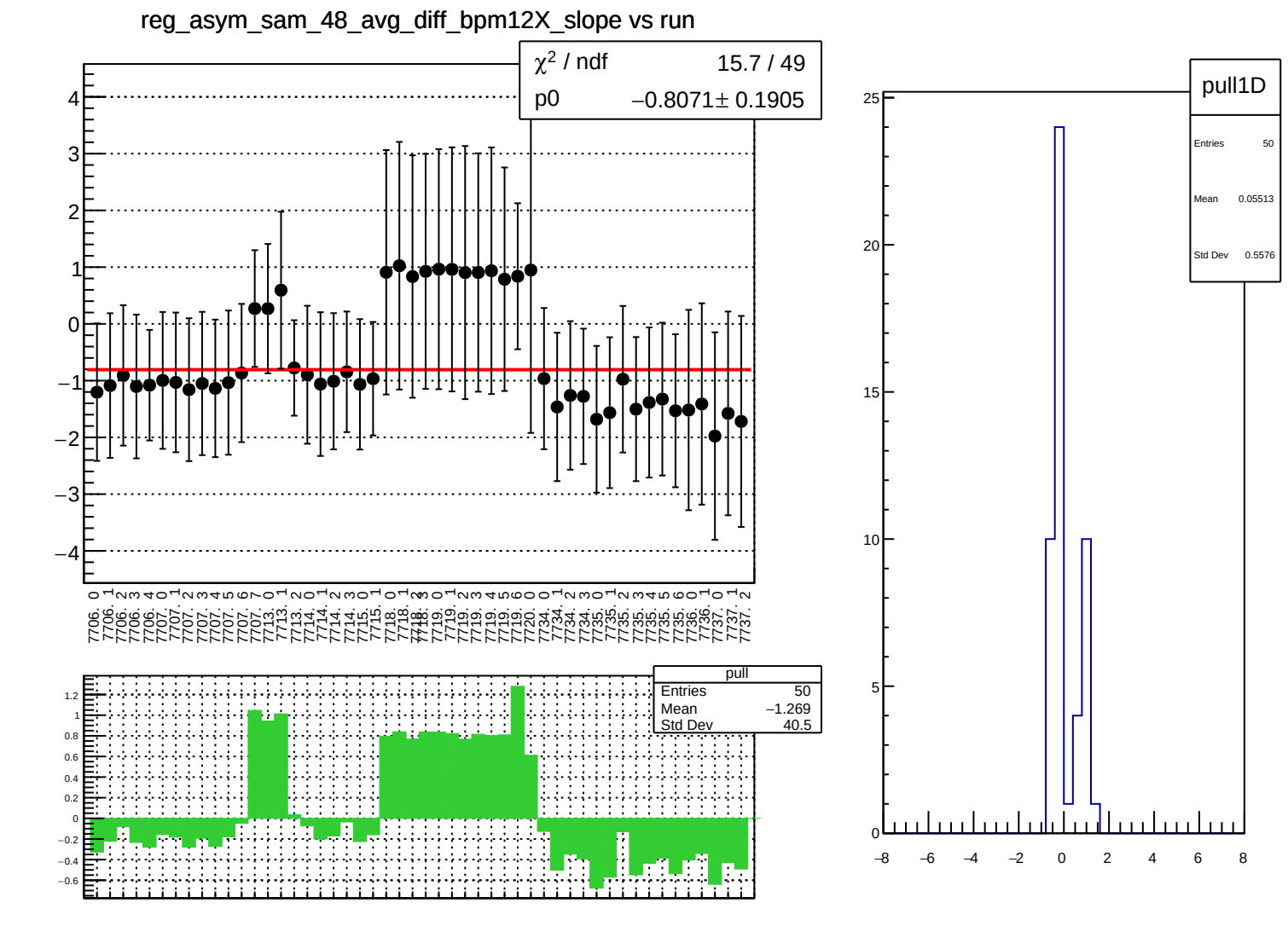

pull1D
Entries 50
Mean −0.3243
Std Dev 1.12

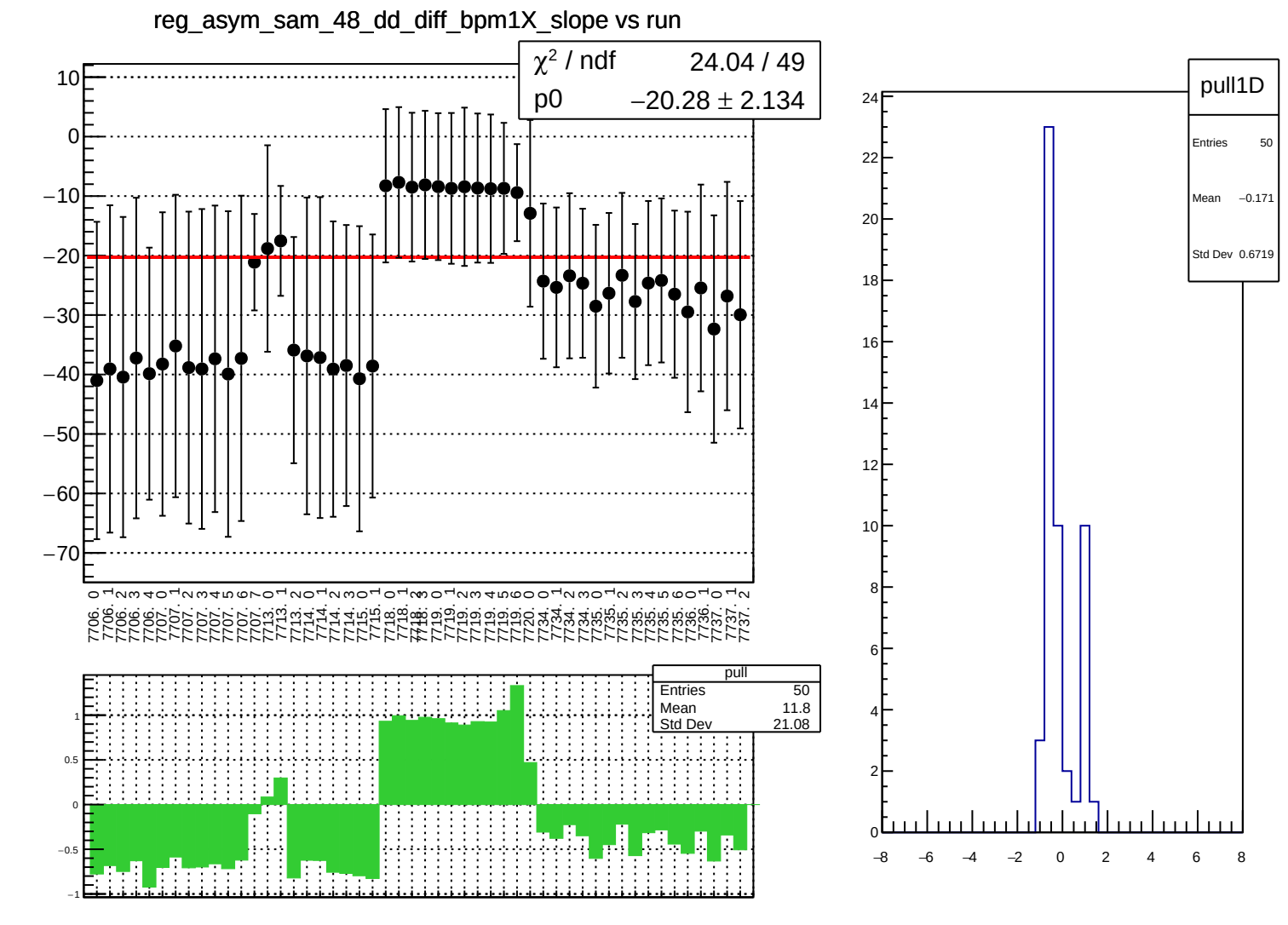

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 112.3 / 49
p0 10.28 ± 3.184
pull
Entries 50
Mean 28.95
Std Dev 22.72
pull1D
Entries 50
Mean 0.4188
Std Dev 1.439

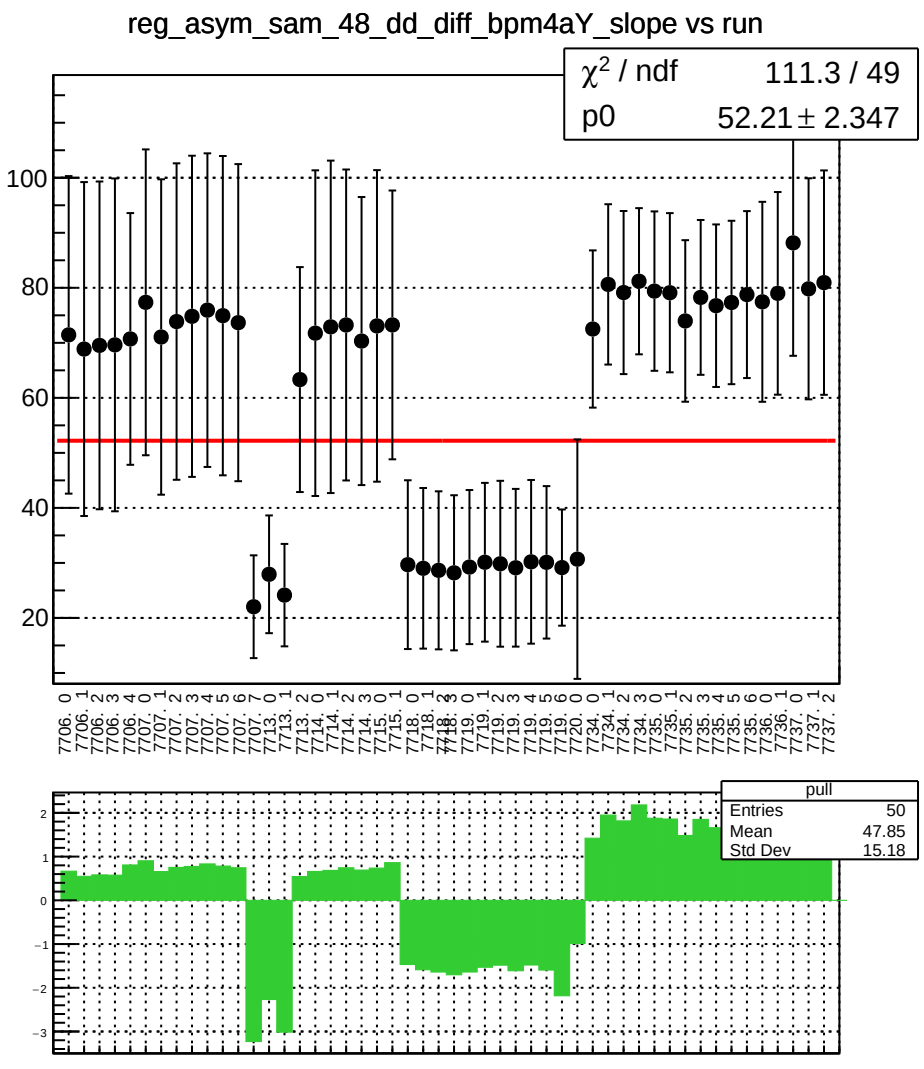

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.23 / 49
p0 −106.3 ± 2.514
pull
Entries 50
Mean 16.96
Std Dev 19.98

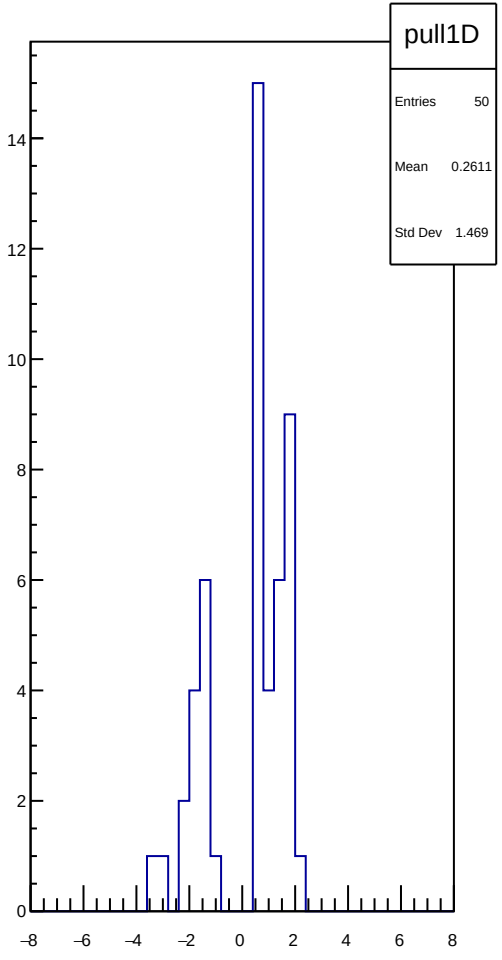

pull1D
Entries 50
Mean 0.3821
Std Dev 0.9688

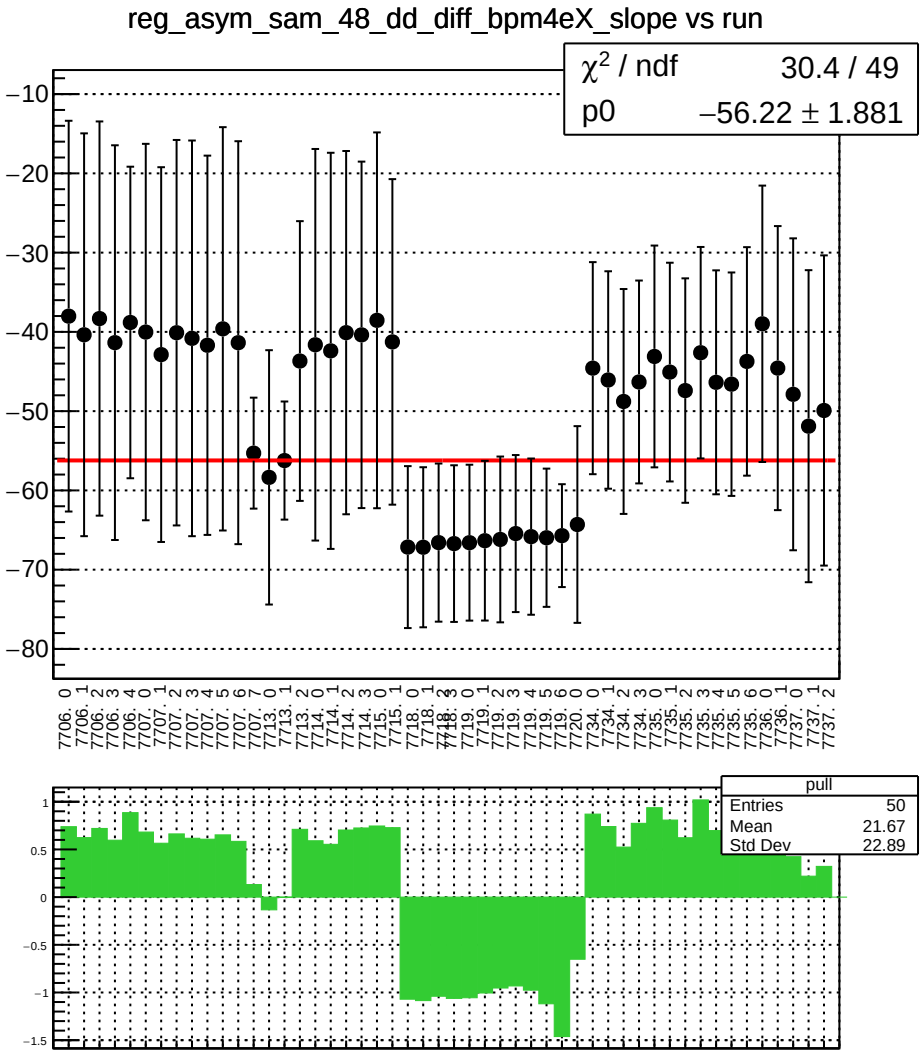

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 119 / 49
p0 86.48 ± 4.815
150
100
50
0
−50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 39.87
Std Dev 18.13
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.4039
Std Dev 1.489
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

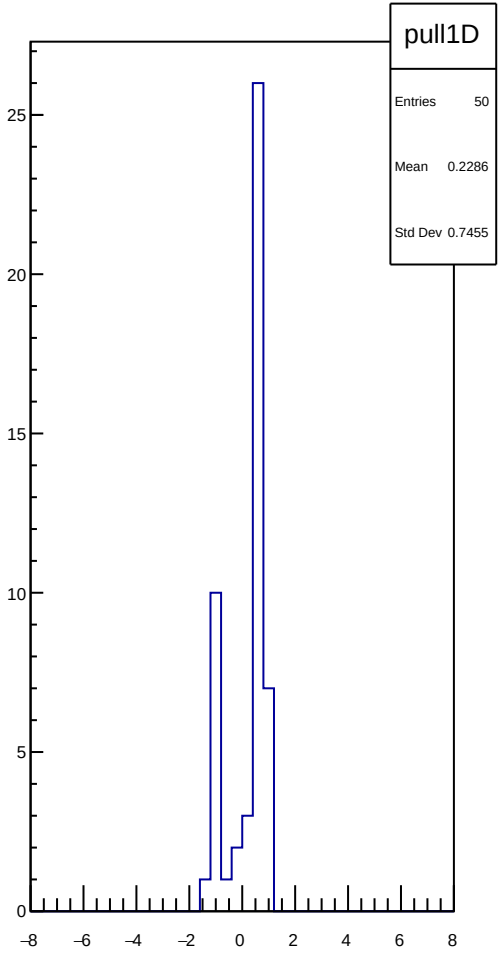

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 15.7 / 49
p0 −0.8071± 0.1905
pull
Entries 50
Mean −1.269
Std Dev 40.5
pull1D
Entries 50
Mean 0.05513
Std Dev 0.5576

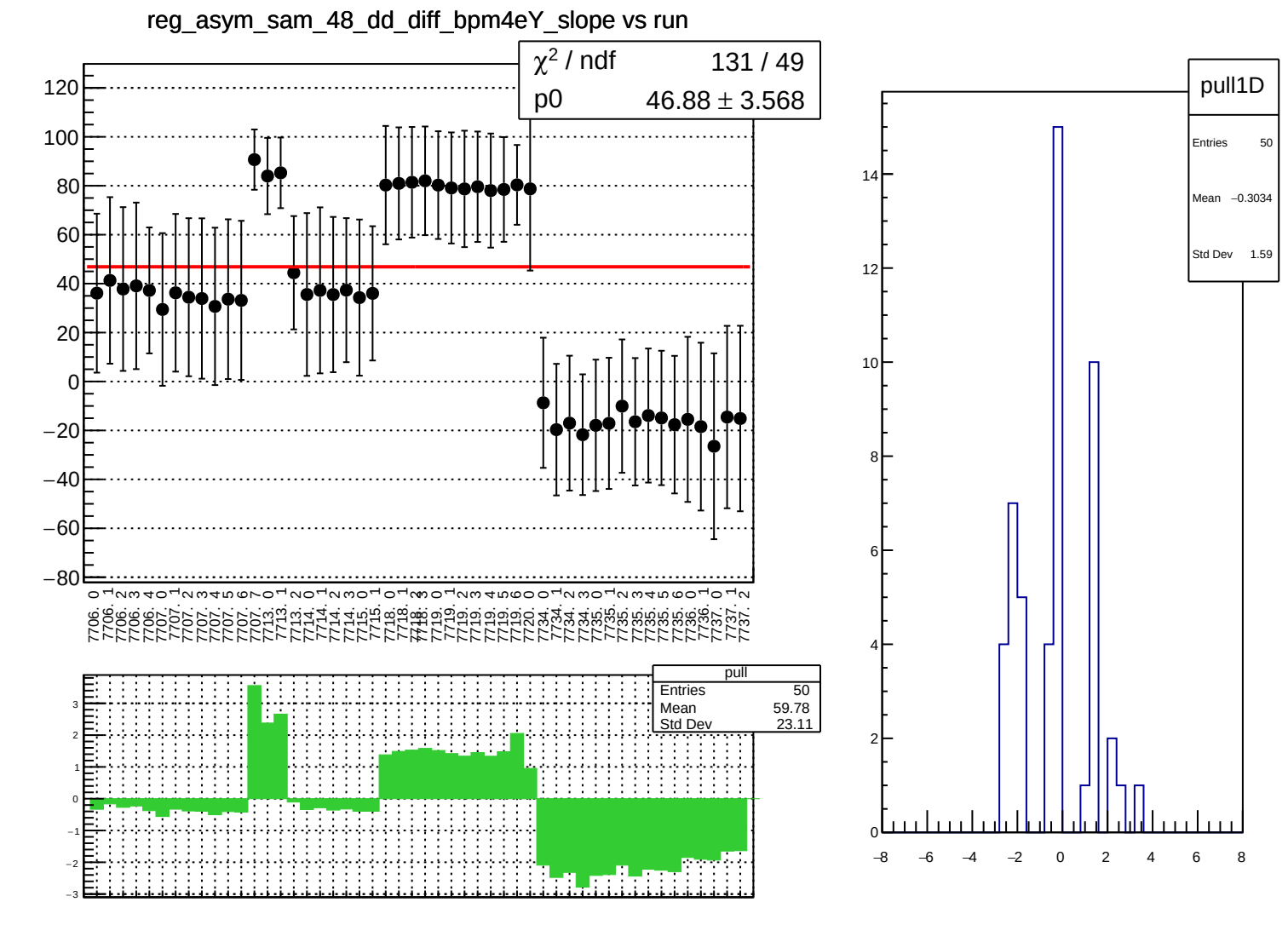

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 24.04 / 49
p0 −20.28 ± 2.134
pull
Entries 50
Mean 11.8
Std Dev 21.08
pull1D
Entries 50
Mean −0.171
Std Dev 0.6719

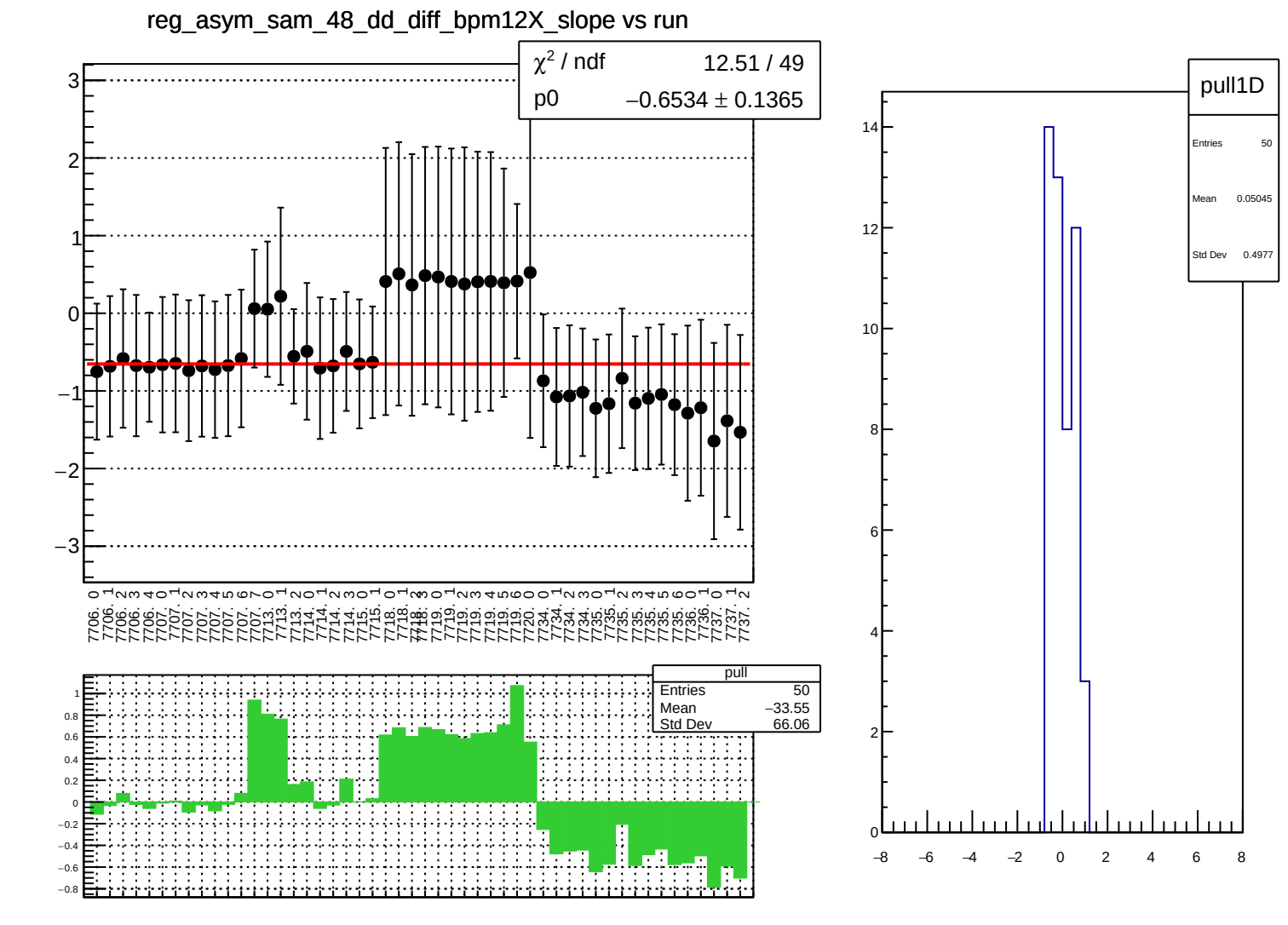

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 111.3 / 49
p0 52.21 ± 2.347
100
80
60
40
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 47.85
Std Dev 15.18
2
1
0
−1
−2
−3

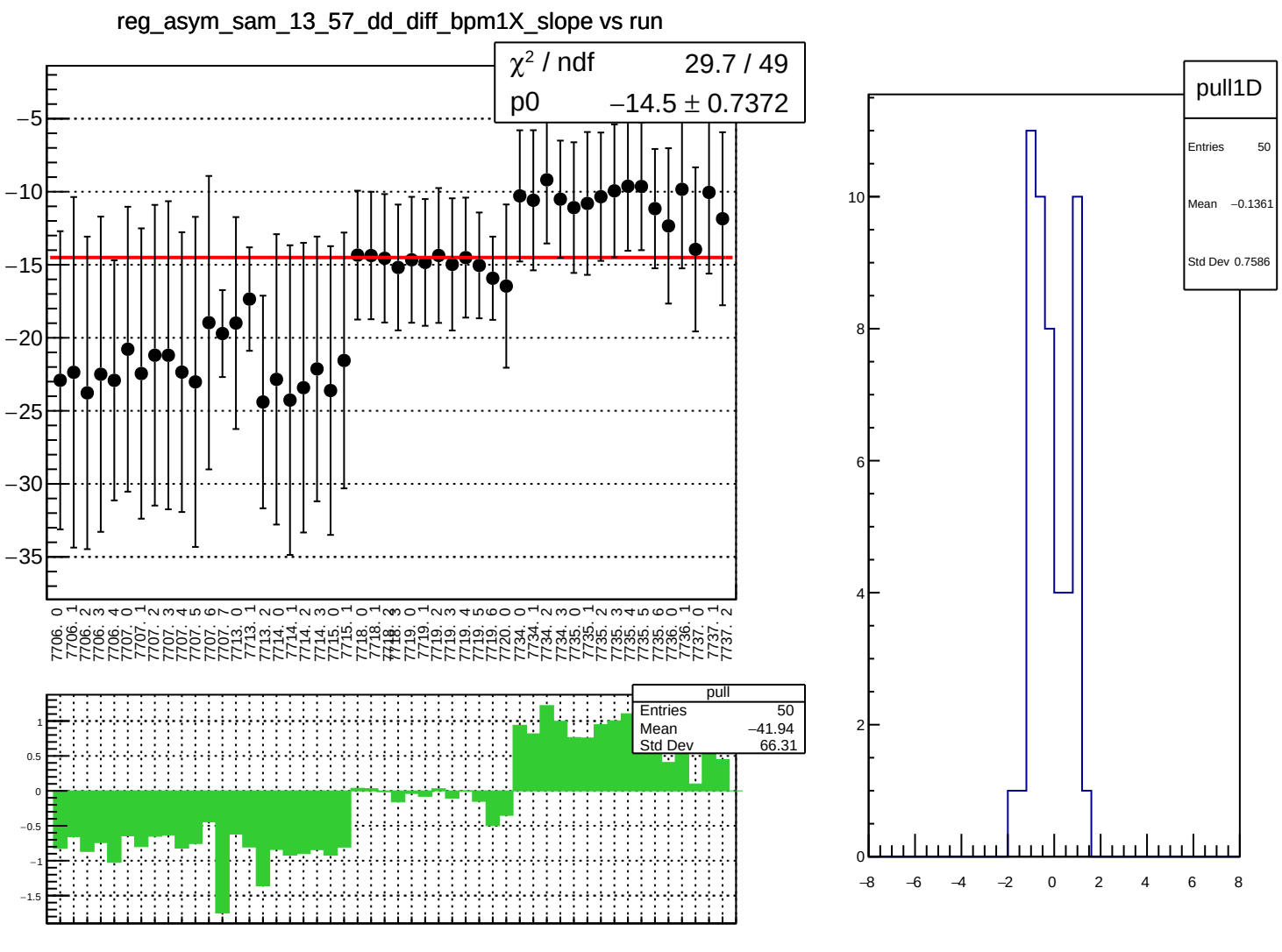

pull1D
Entries 50
Mean 0.2611
Std Dev 1.469
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

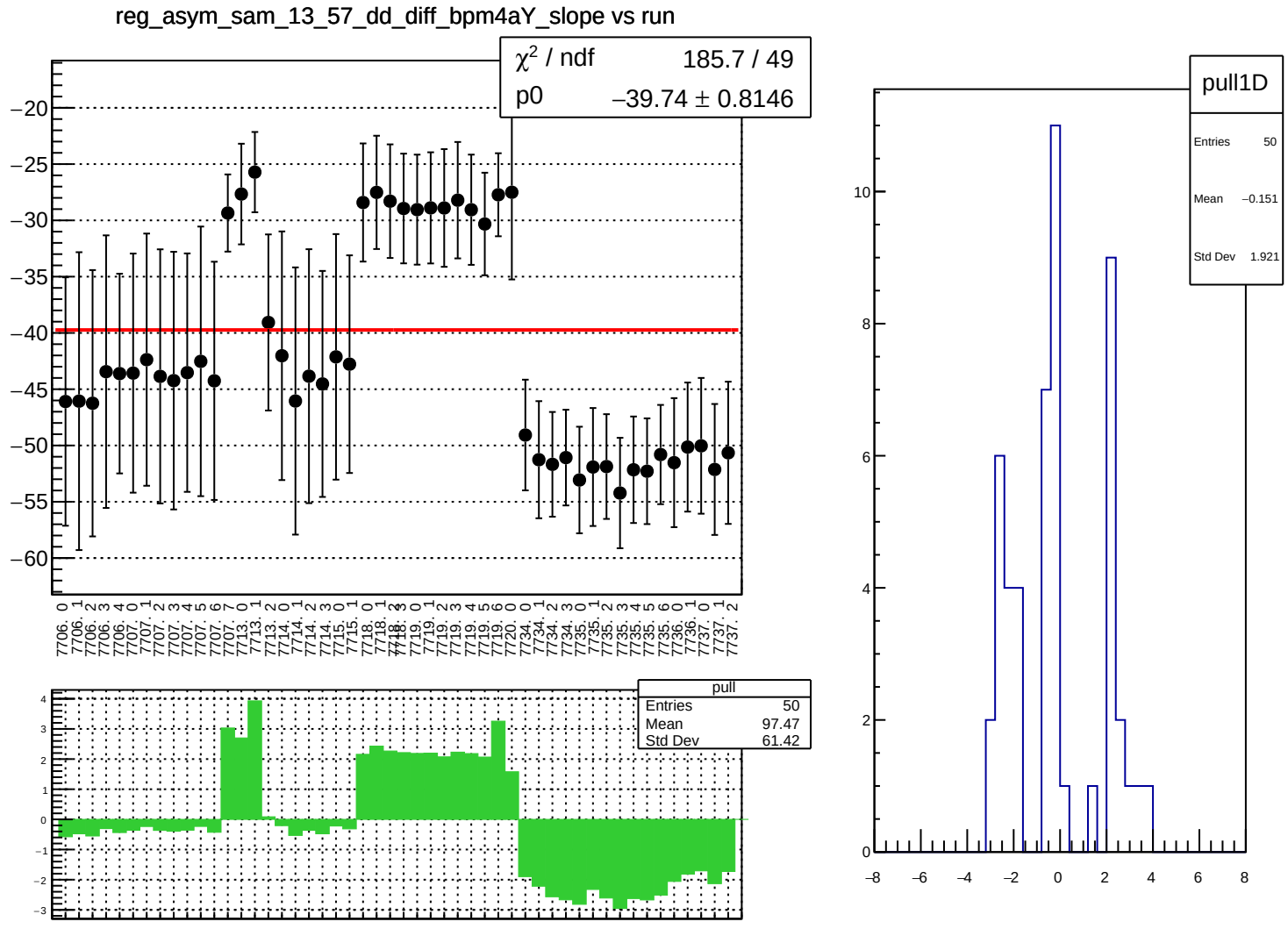

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.4 / 49
p0 −56.22 ± 1.881
pull
Entries 50
Mean 21.67
Std Dev 22.89

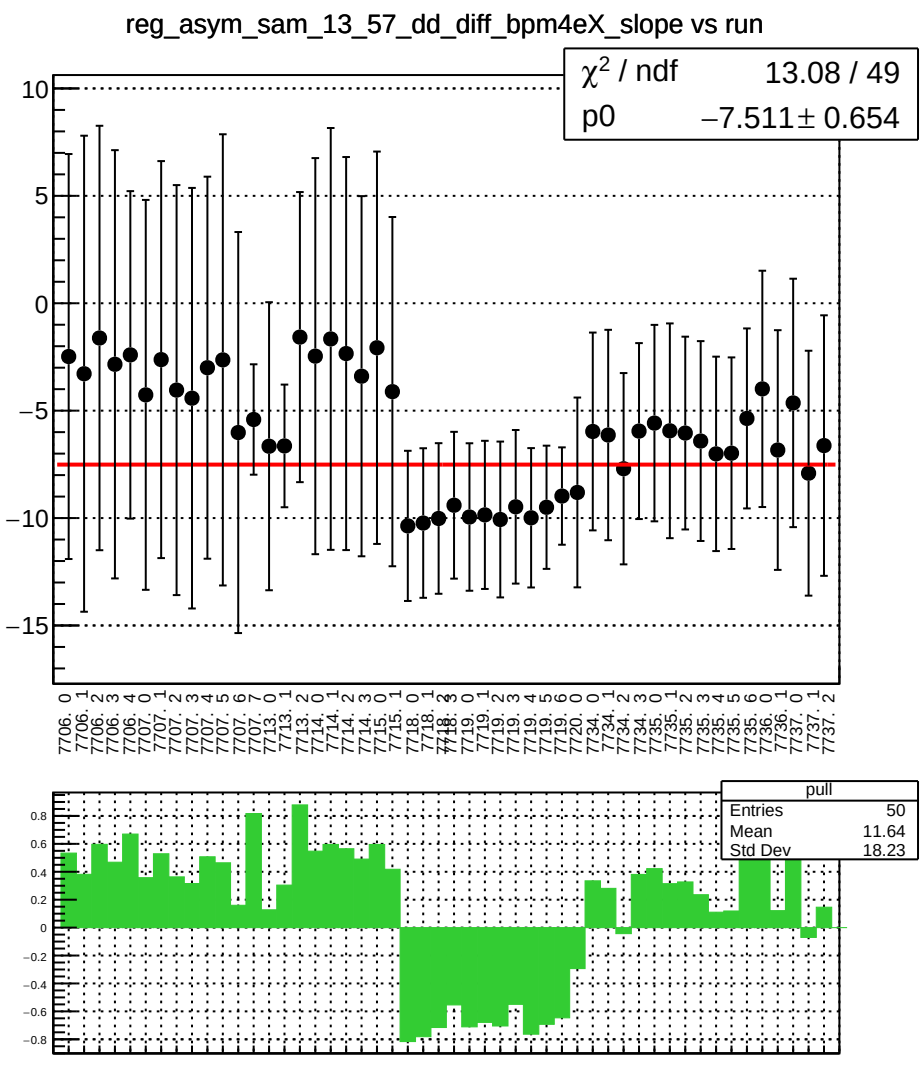

pull1D
Entries 50
Mean 0.2286
Std Dev 0.7455

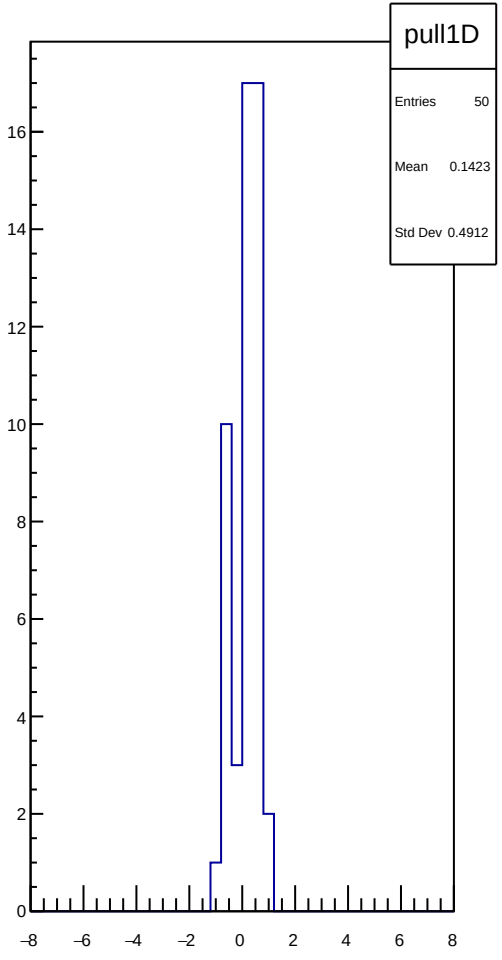

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 131 / 49
p0 46.88 ± 3.568
pull
Entries 50
Mean 59.78
Std Dev 23.11
pull1D
Entries 50
Mean −0.3034
Std Dev 1.59

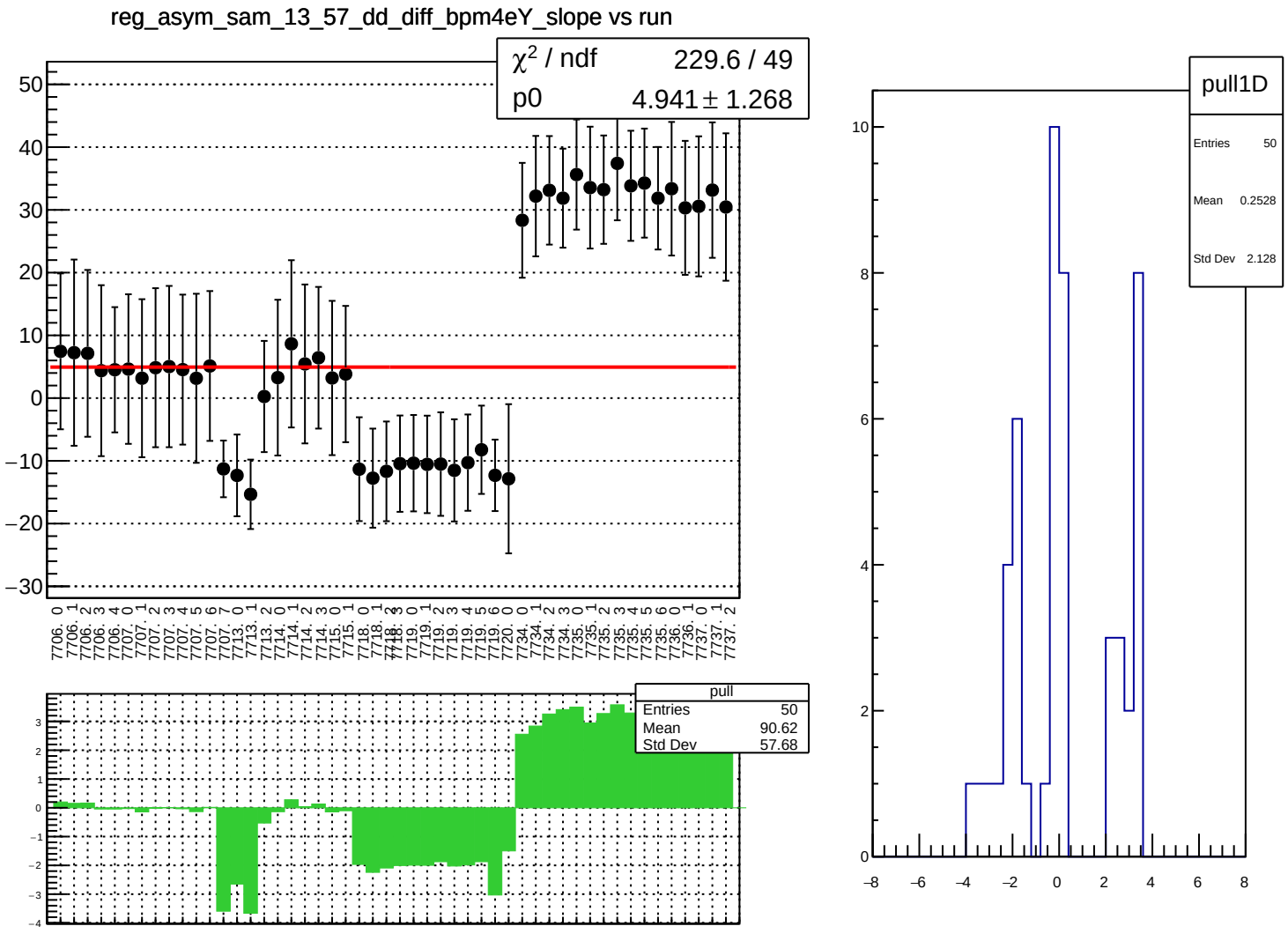

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 12.51 / 49
p0 −0.6534 ± 0.1365
pull
Entries 50
Mean −33.55
Std Dev 66.06
pull1D
Entries 50
Mean 0.05045
Std Dev 0.4977

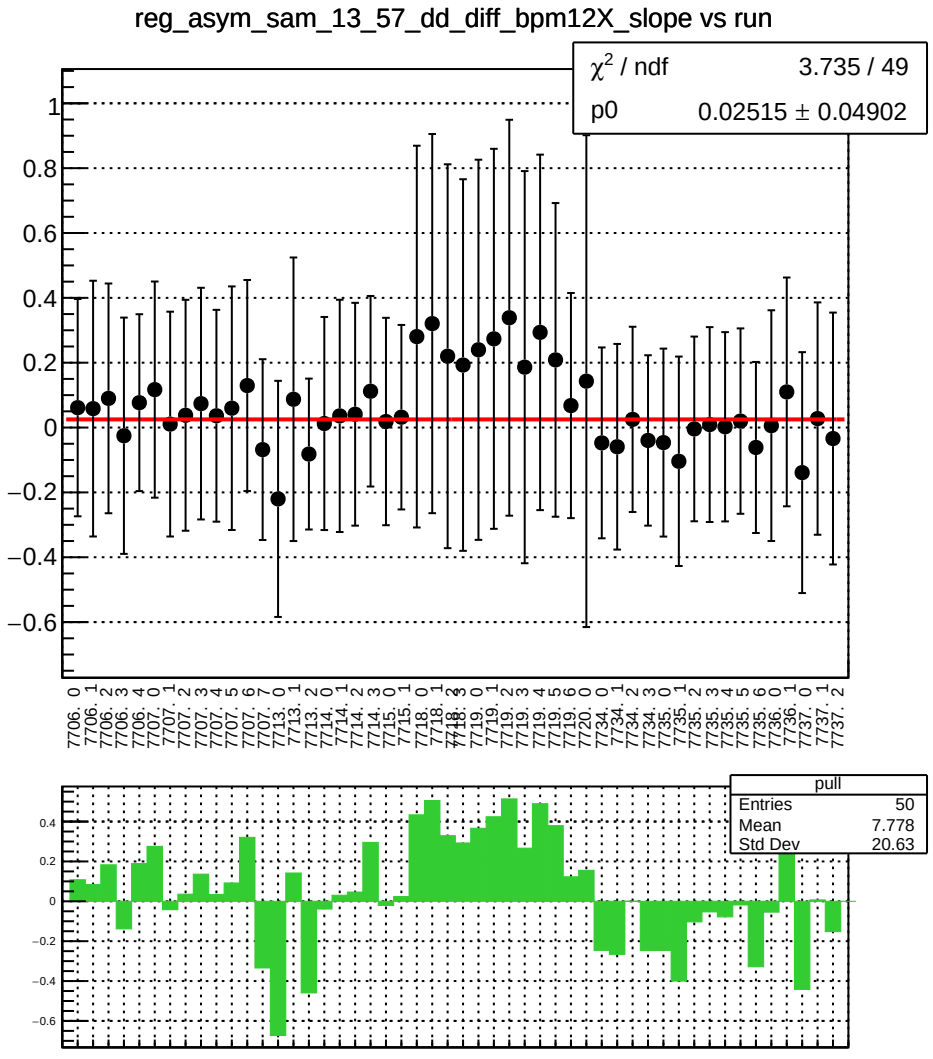

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 29.7 / 49
p0 −14.5 ± 0.7372
pull
Entries 50
Mean −41.94
Std Dev 66.31
pull1D
Entries 50
Mean −0.1361
Std Dev 0.7586

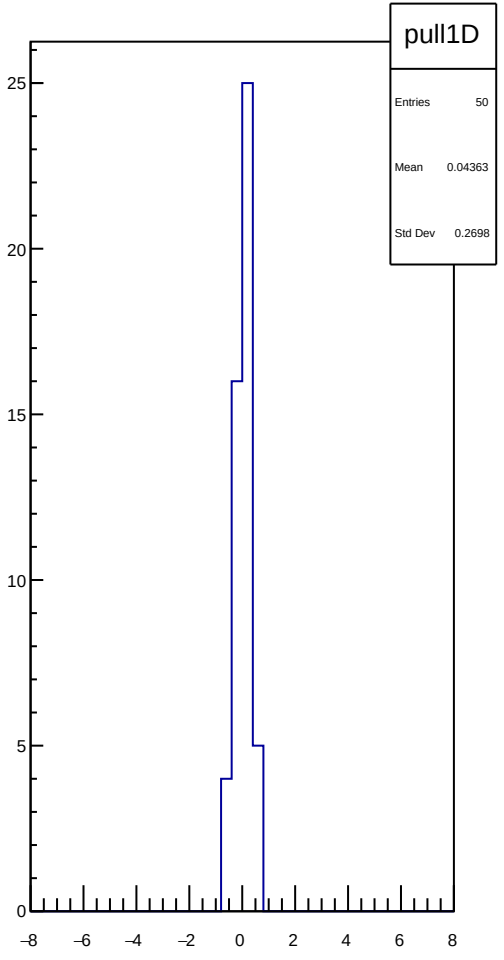

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 185.7 / 49
p0 −39.74 ± 0.8146
pull
Entries 50
Mean 97.47
Std Dev 61.42
pull1D
Entries 50
Mean −0.151
Std Dev 1.921

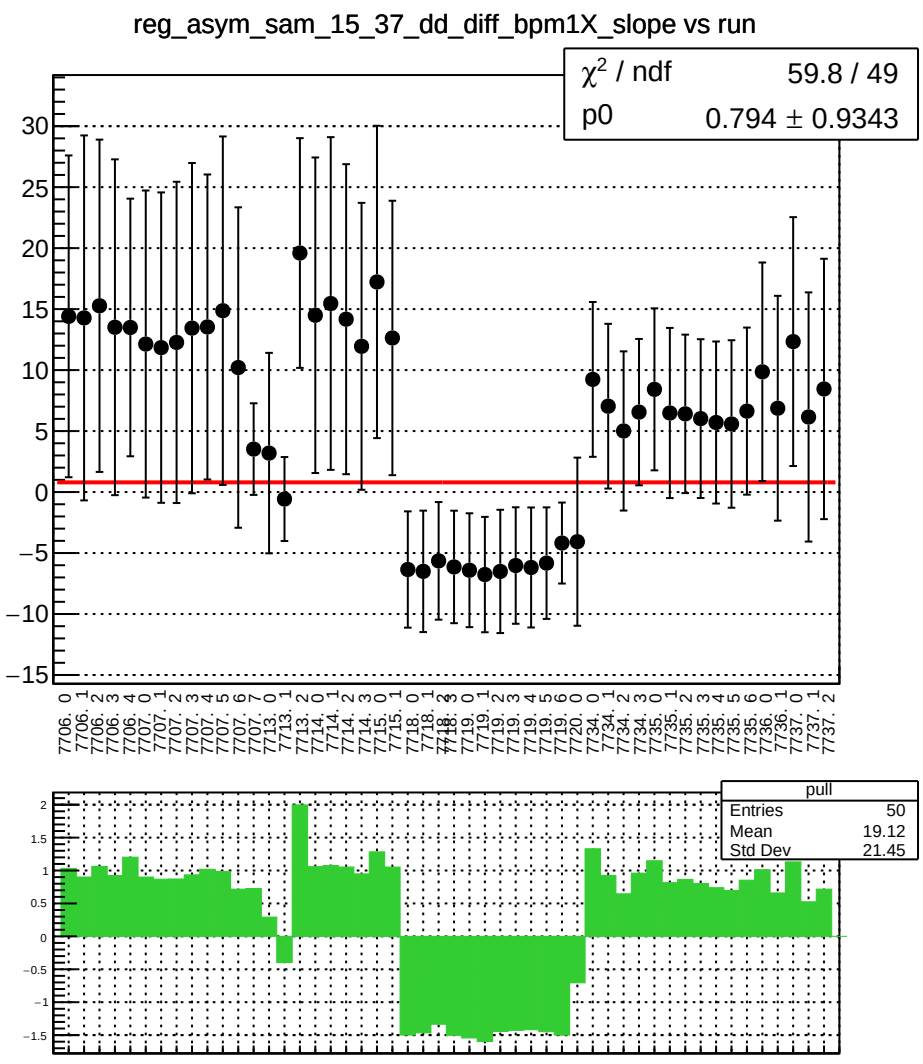

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.08 / 49
p0 −7.511 ± 0.654
pull
Entries 50
Mean 11.64
Std Dev 18.23

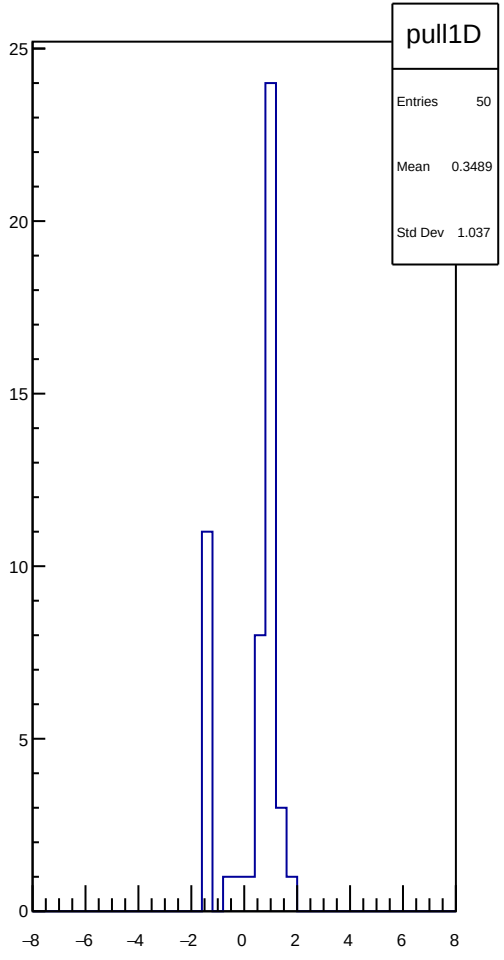

pull1D
Entries 50
Mean 0.1423
Std Dev 0.4912

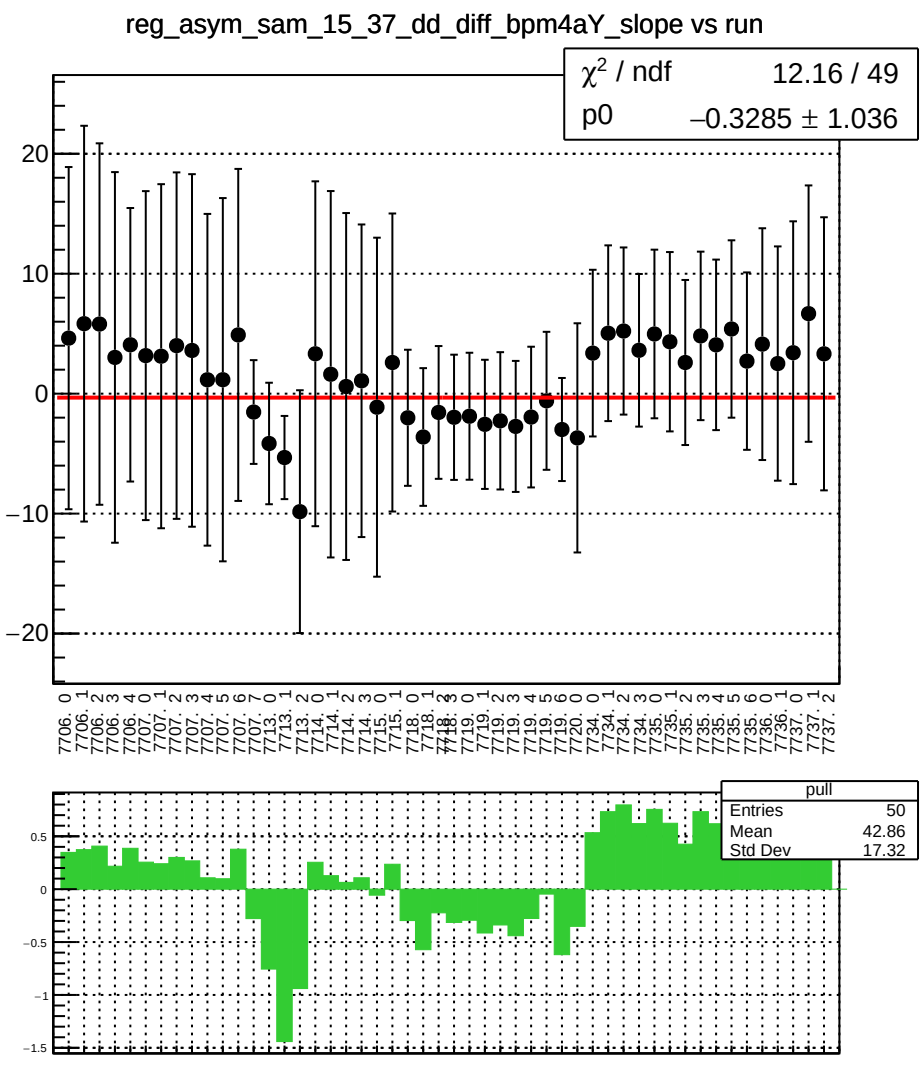

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 229.6 / 49
p0 4.941 ± 1.268
pull
Entries 50
Mean 90.62
Std Dev 57.68
pull1D
Entries 50
Mean 0.2528
Std Dev 2.128

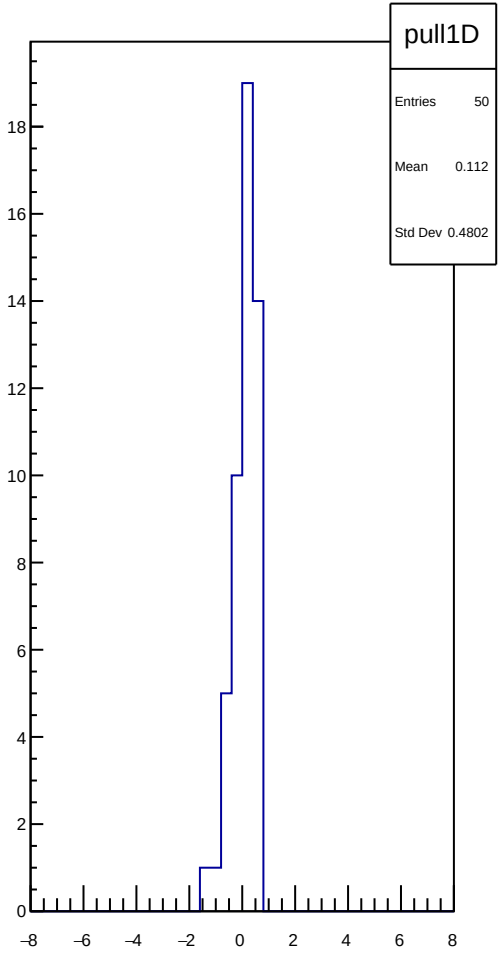

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 3.735 / 49
p0 0.02515 ± 0.04902
pull
Entries 50
Mean 7.778
Std Dev 20.63

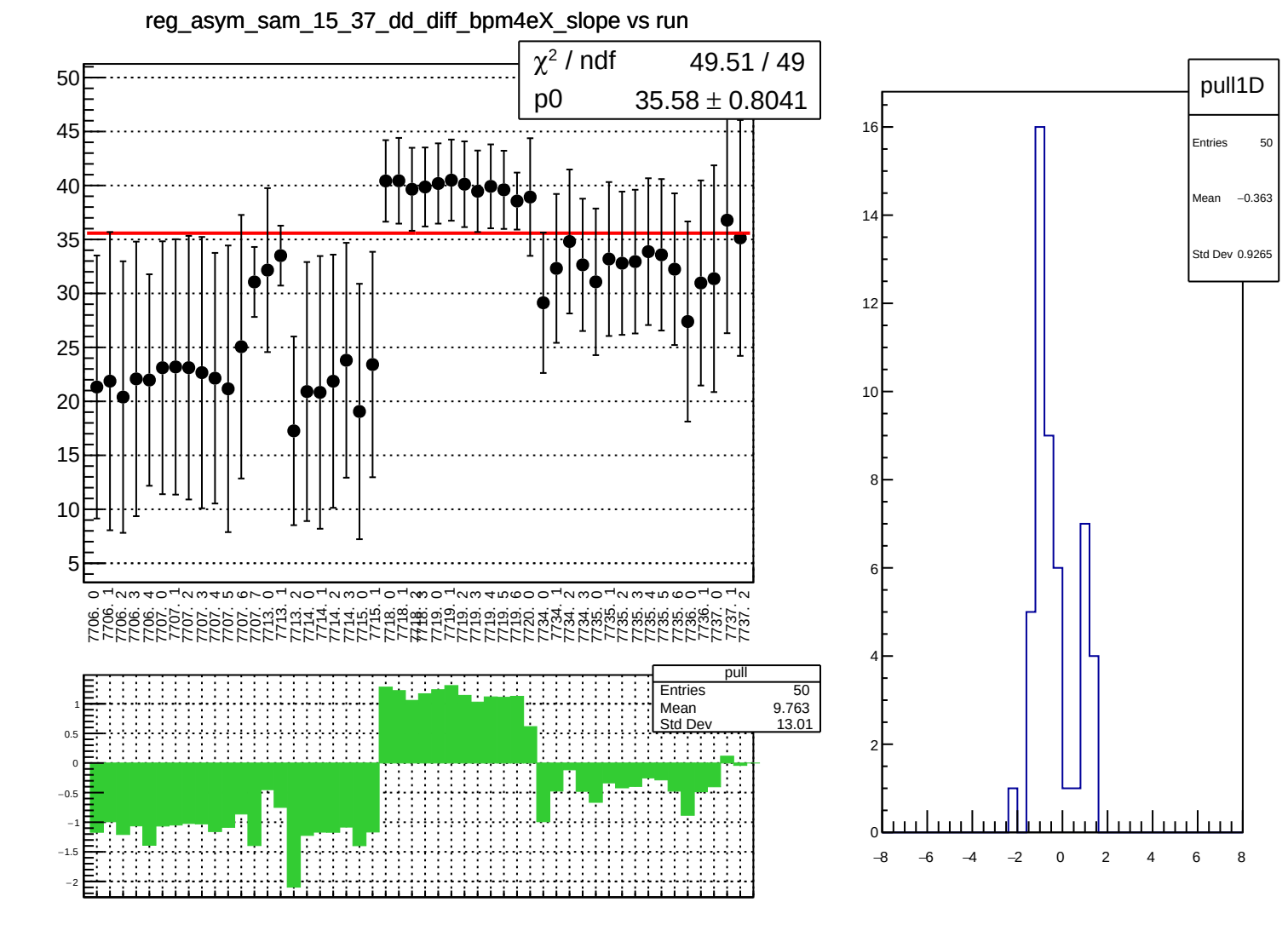

pull1D
Entries 50
Mean 0.04363
Std Dev 0.2698

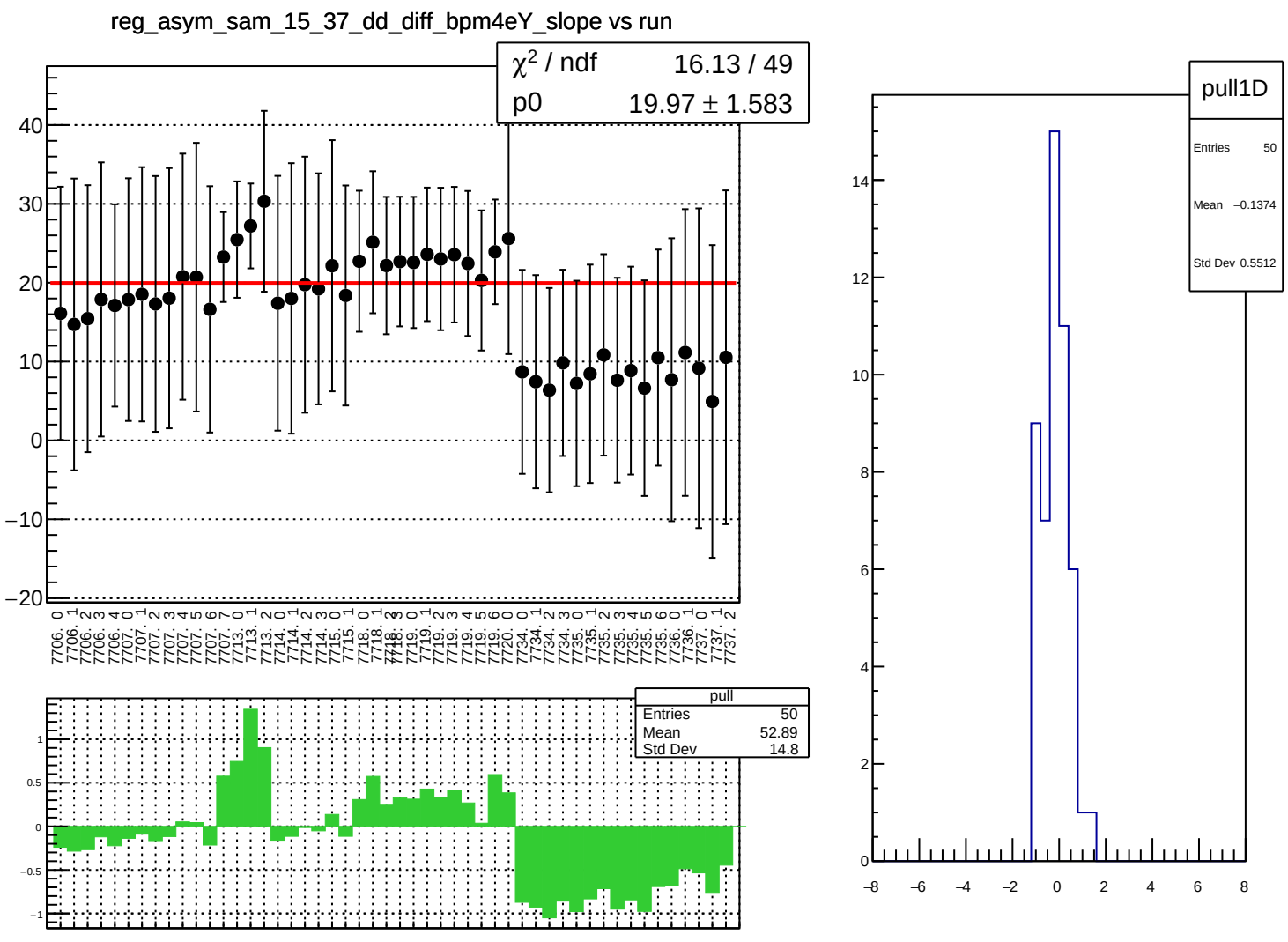

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 59.8 / 49
p0 0.794 ± 0.9343
pull
Entries 50
Mean 19.12
Std Dev 21.45

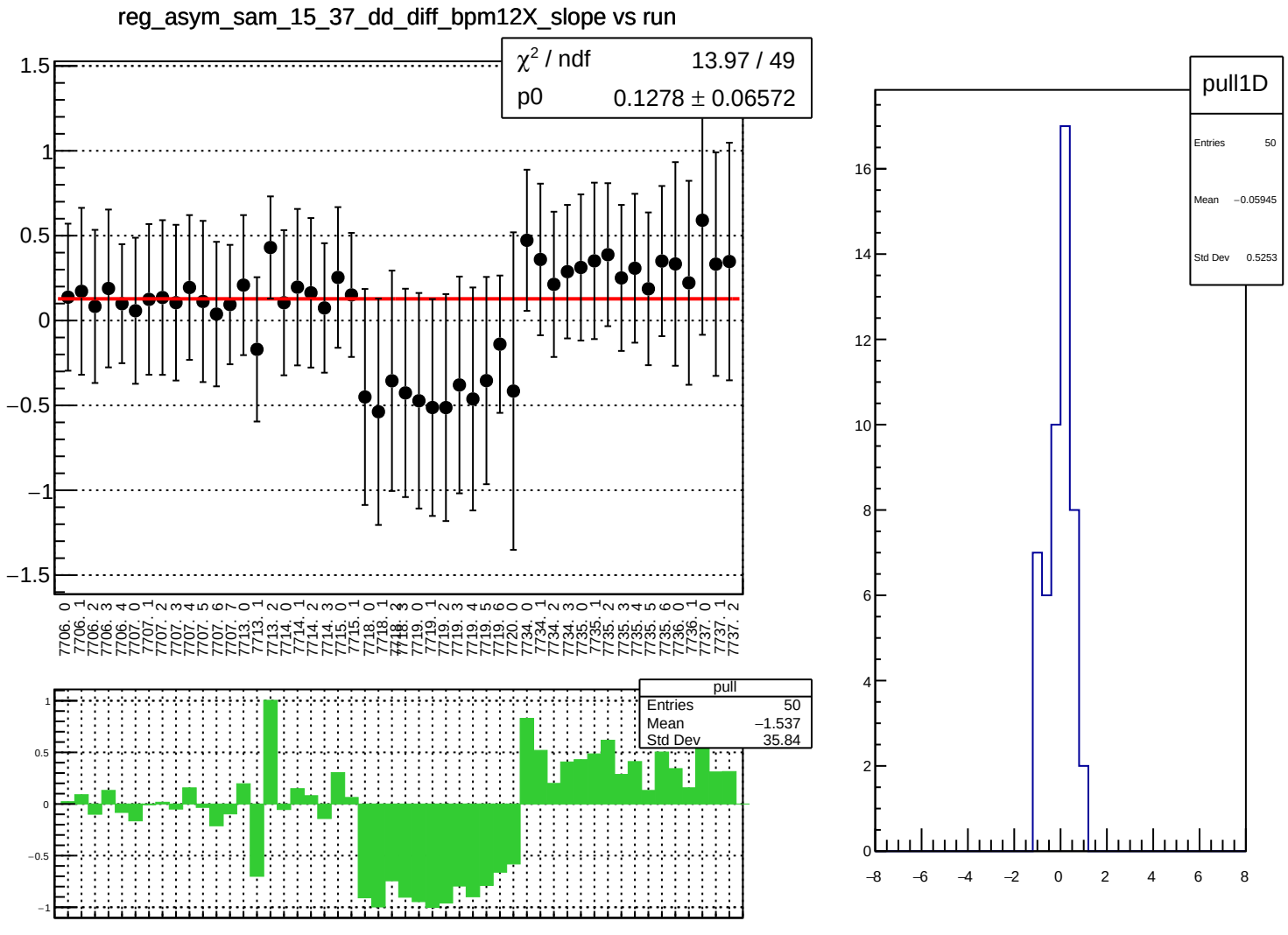

pull1D
Entries 50
Mean 0.3489
Std Dev 1.037

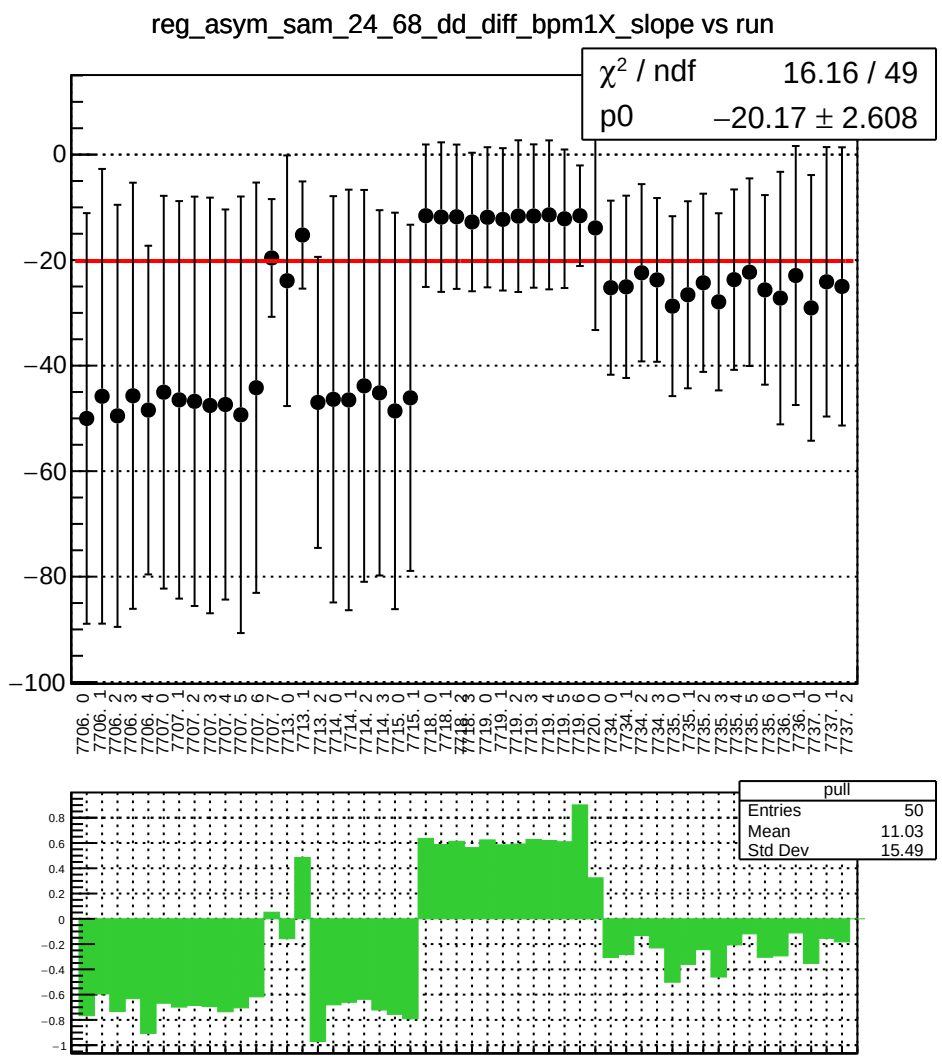

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.16 / 49
p0 −0.3285 ± 1.036
pull
Entries 50
Mean 42.86
Std Dev 17.32

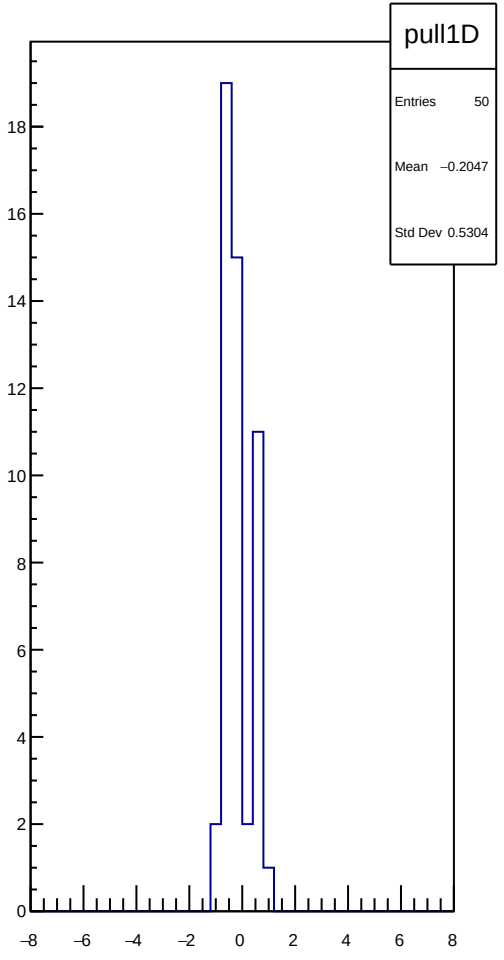

pull1D
Entries 50
Mean 0.112
Std Dev 0.4802

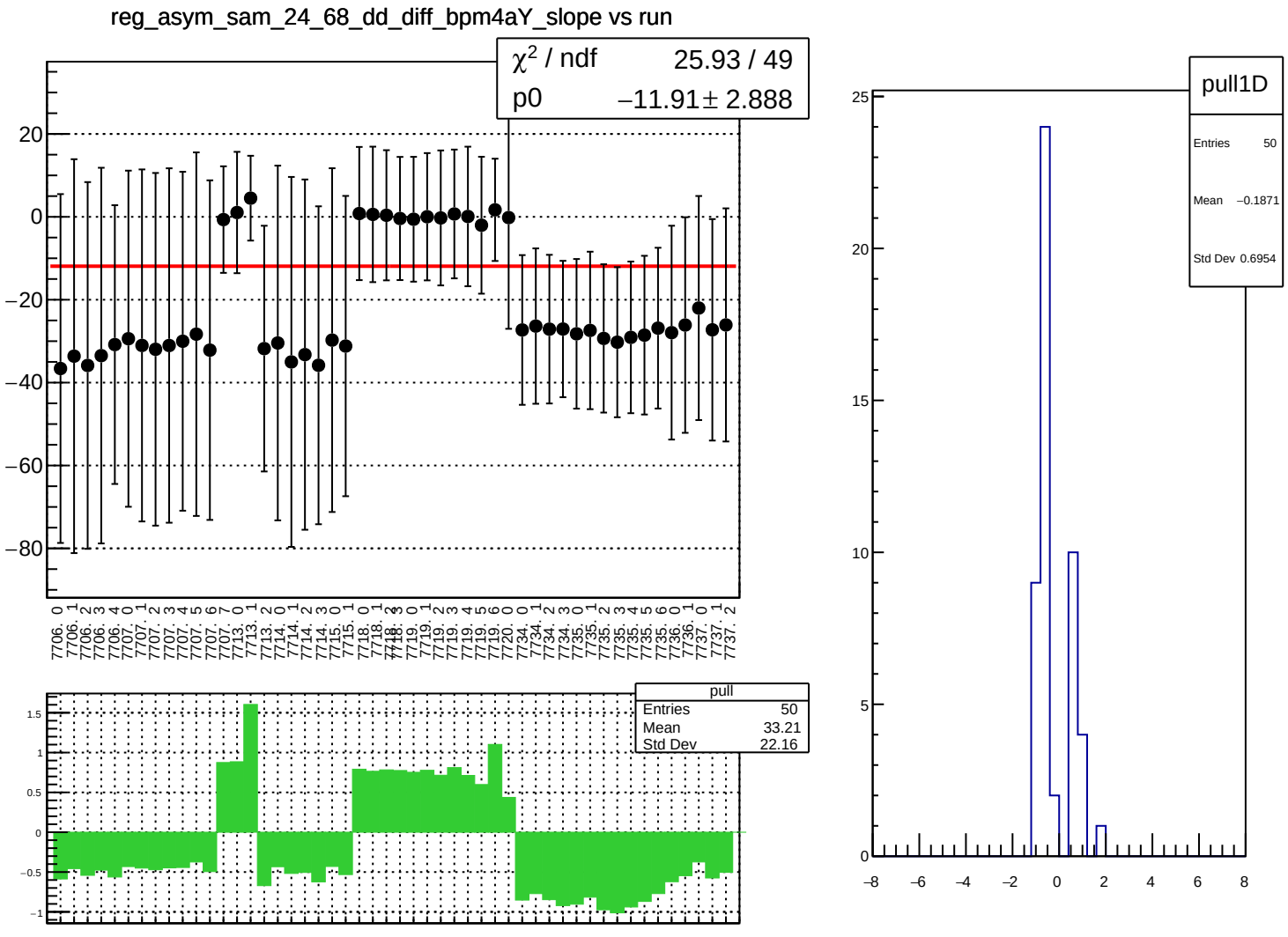

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.51 / 49
p0 35.58 ± 0.8041
pull
Entries 50
Mean 9.763
Std Dev 13.01
pull1D
Entries 50
Mean −0.363
Std Dev 0.9265

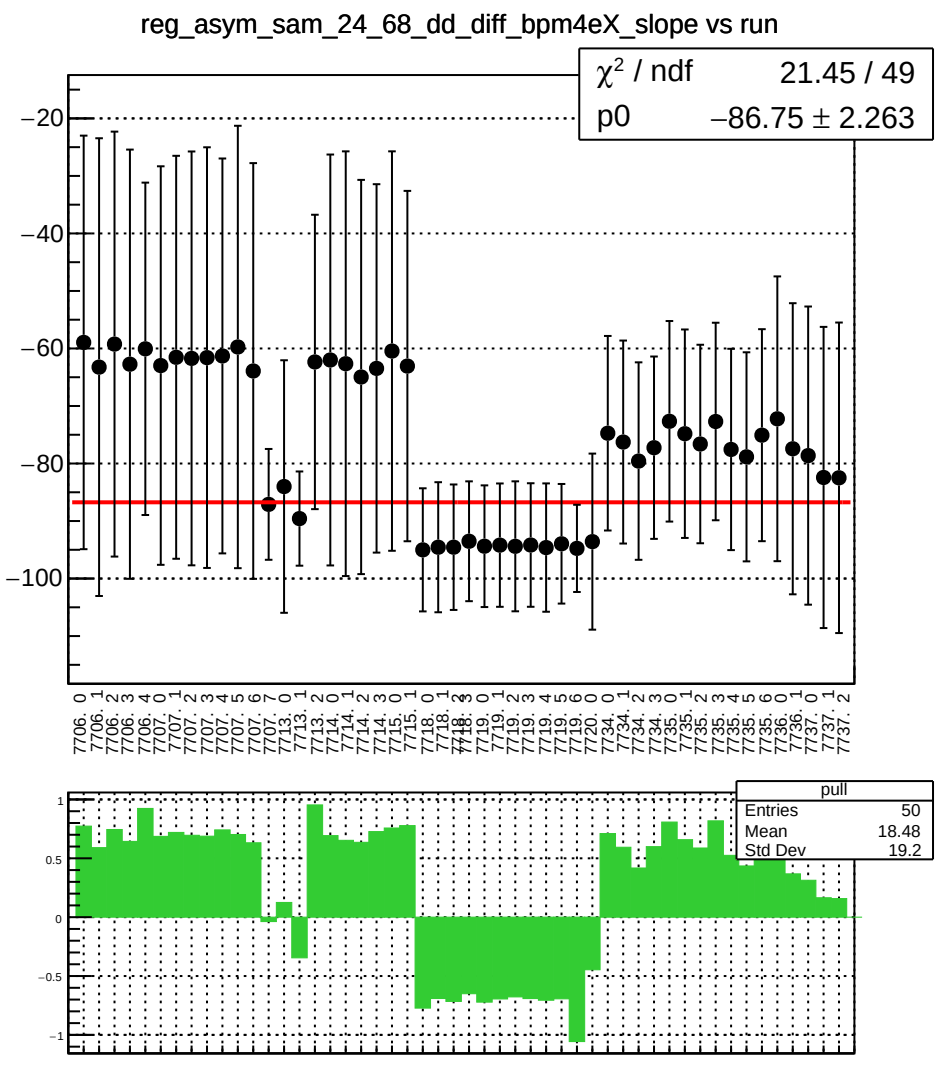

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.13 / 49
p0 19.97 ± 1.583
pull
Entries 50
Mean 52.89
Std Dev 14.8
pull1D
Entries 50
Mean −0.1374
Std Dev 0.5512

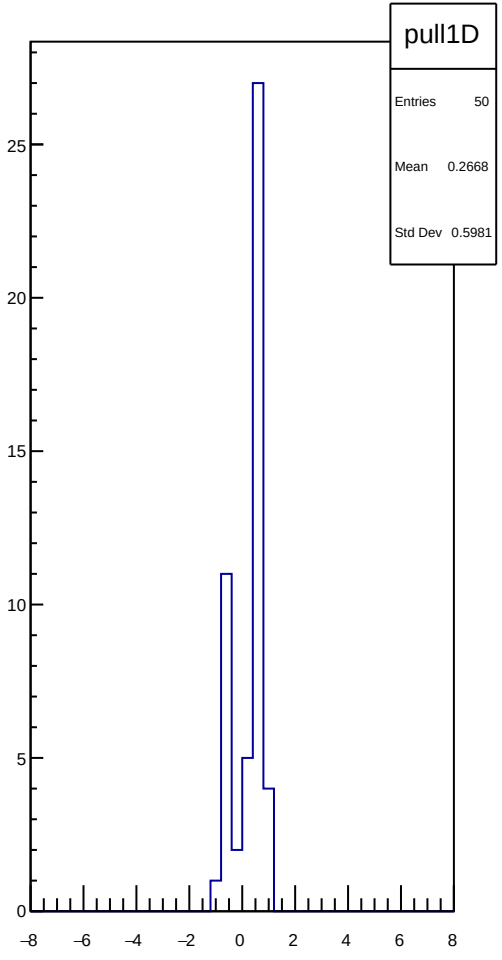

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 13.97 / 49
p0 0.1278 ± 0.06572
pull
Entries 50
Mean −1.537
Std Dev 35.84
pull1D
Entries 50
Mean −0.05945
Std Dev 0.5253

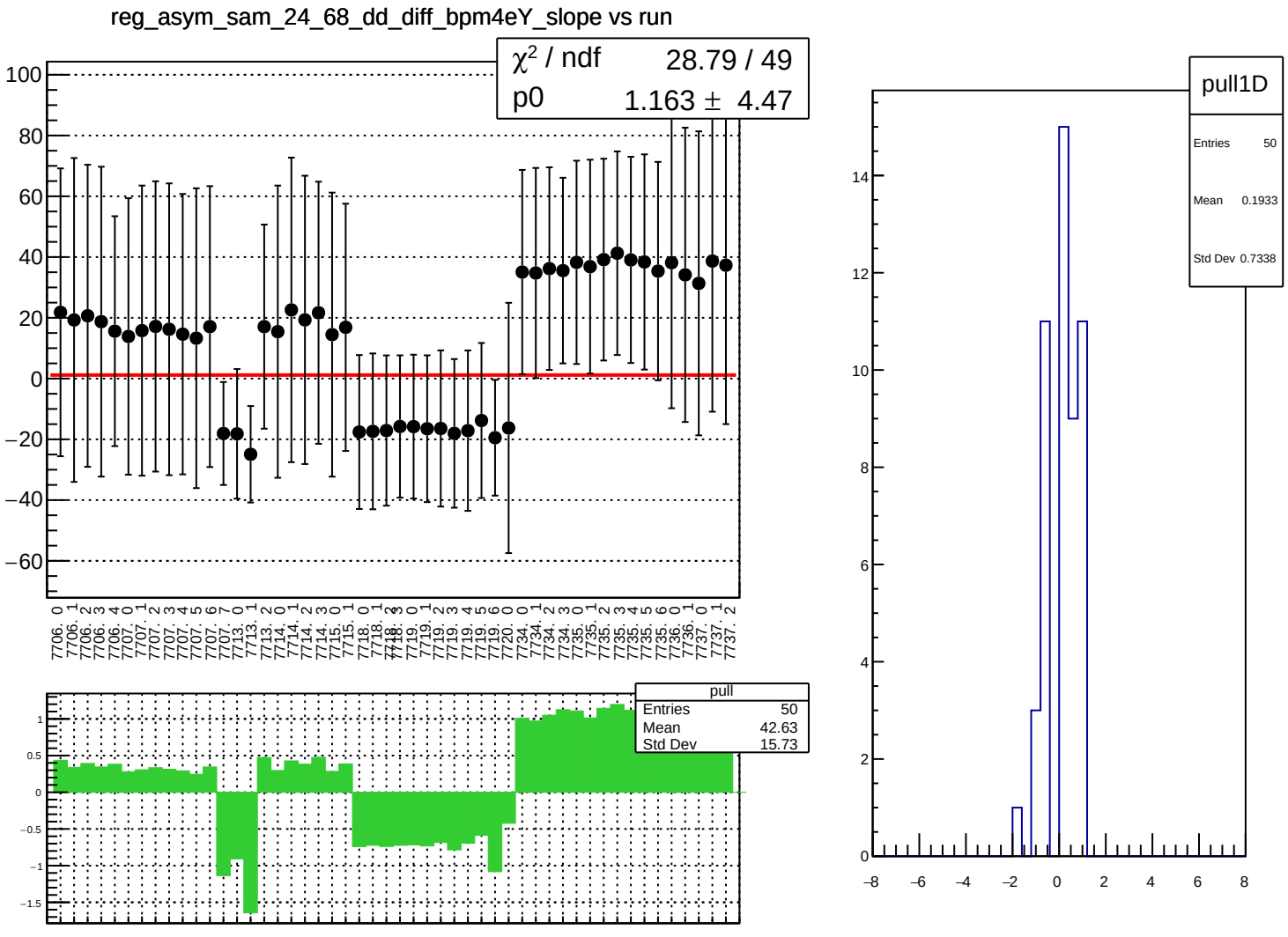

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 16.16 / 49
p0 −20.17 ± 2.608
pull
Entries 50
Mean 11.03
Std Dev 15.49

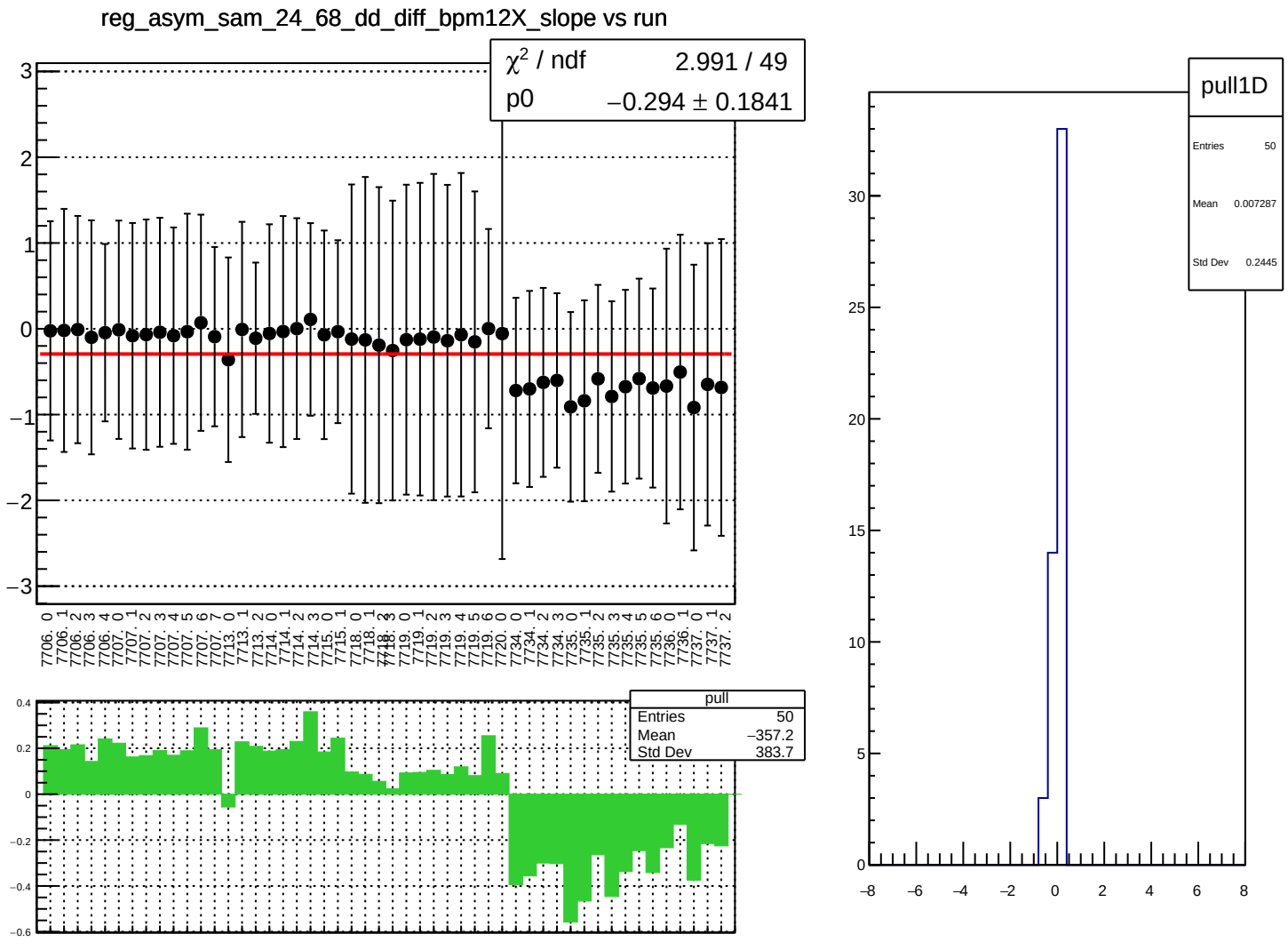

pull1D
Entries 50
Mean −0.2047
Std Dev 0.5304

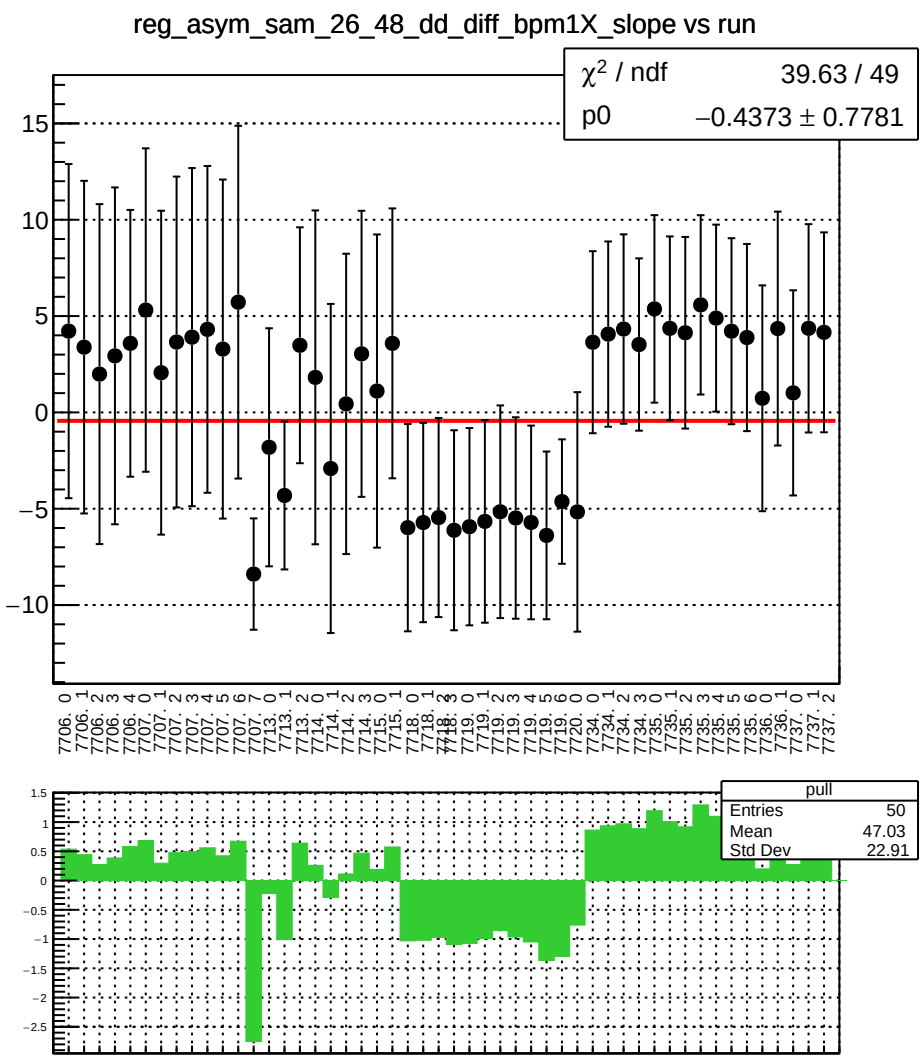

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.93 / 49
p0 −11.91± 2.888
pull
Entries 50
Mean 33.21
Std Dev 22.16
pull1D
Entries 50
Mean −0.1871
Std Dev 0.6954

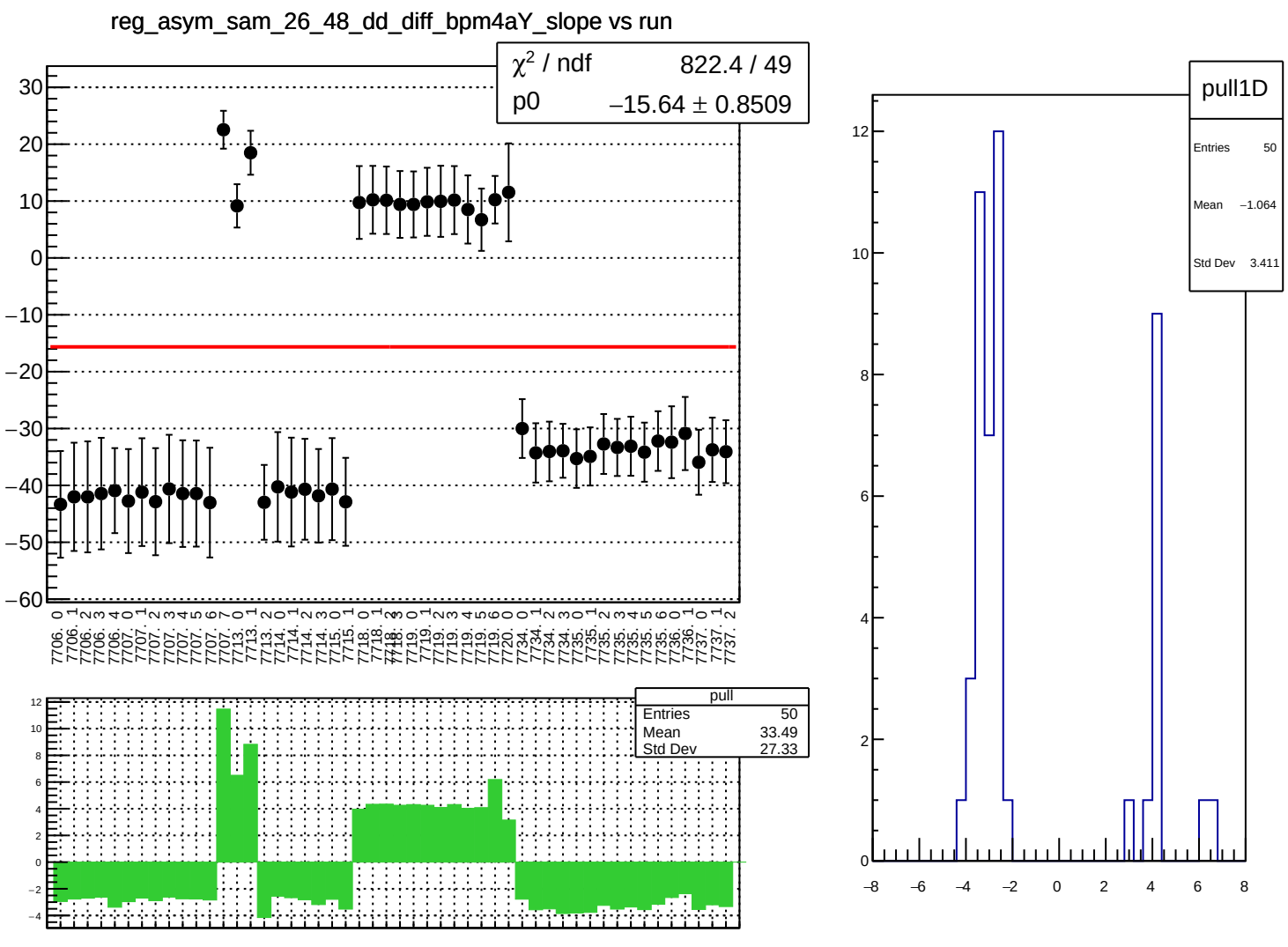

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.45 / 49
p0 −86.75 ± 2.263
pull
Entries 50
Mean 18.48
Std Dev 19.2

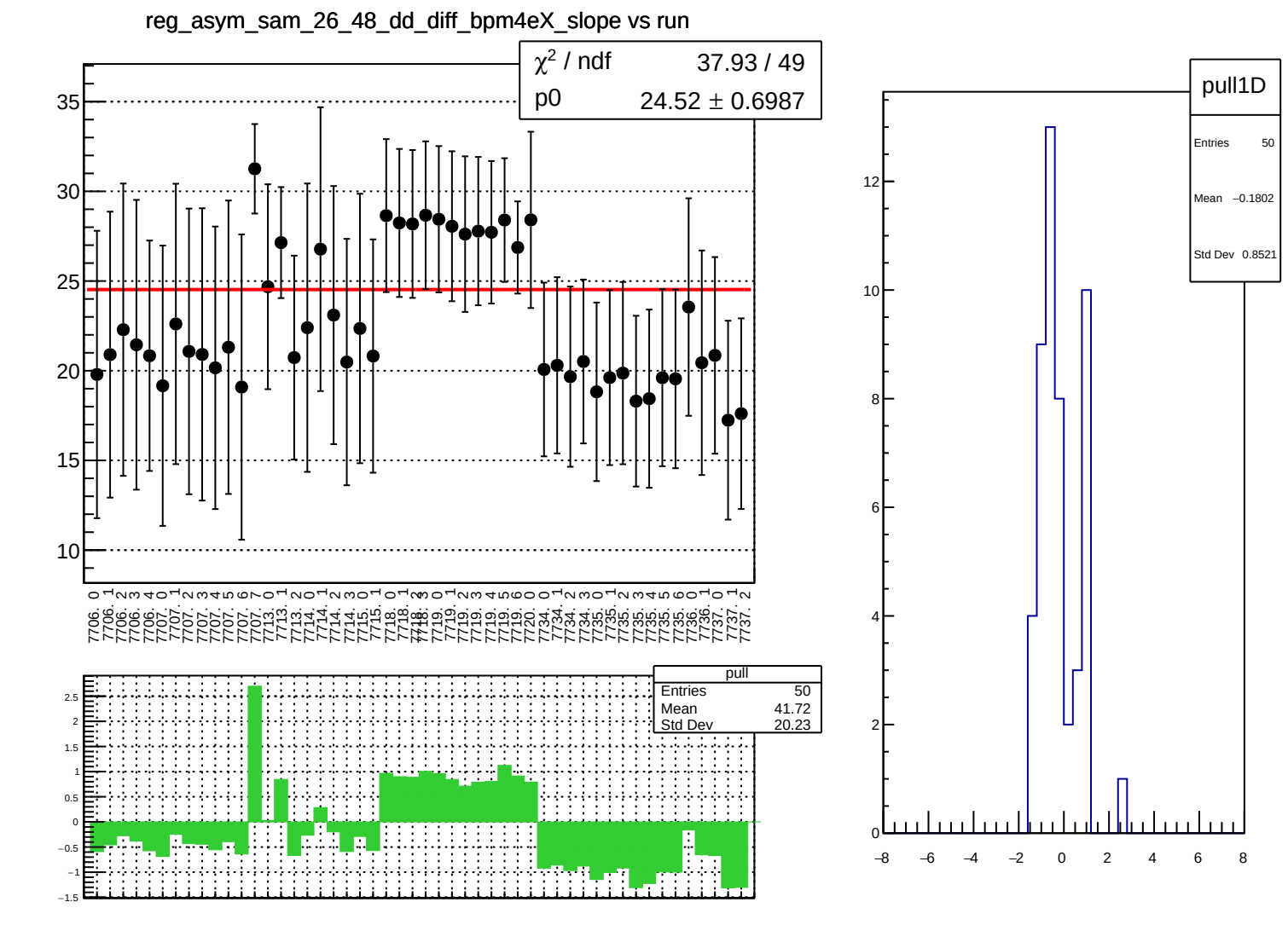

pull1D
Entries 50
Mean 0.2668
Std Dev 0.5981

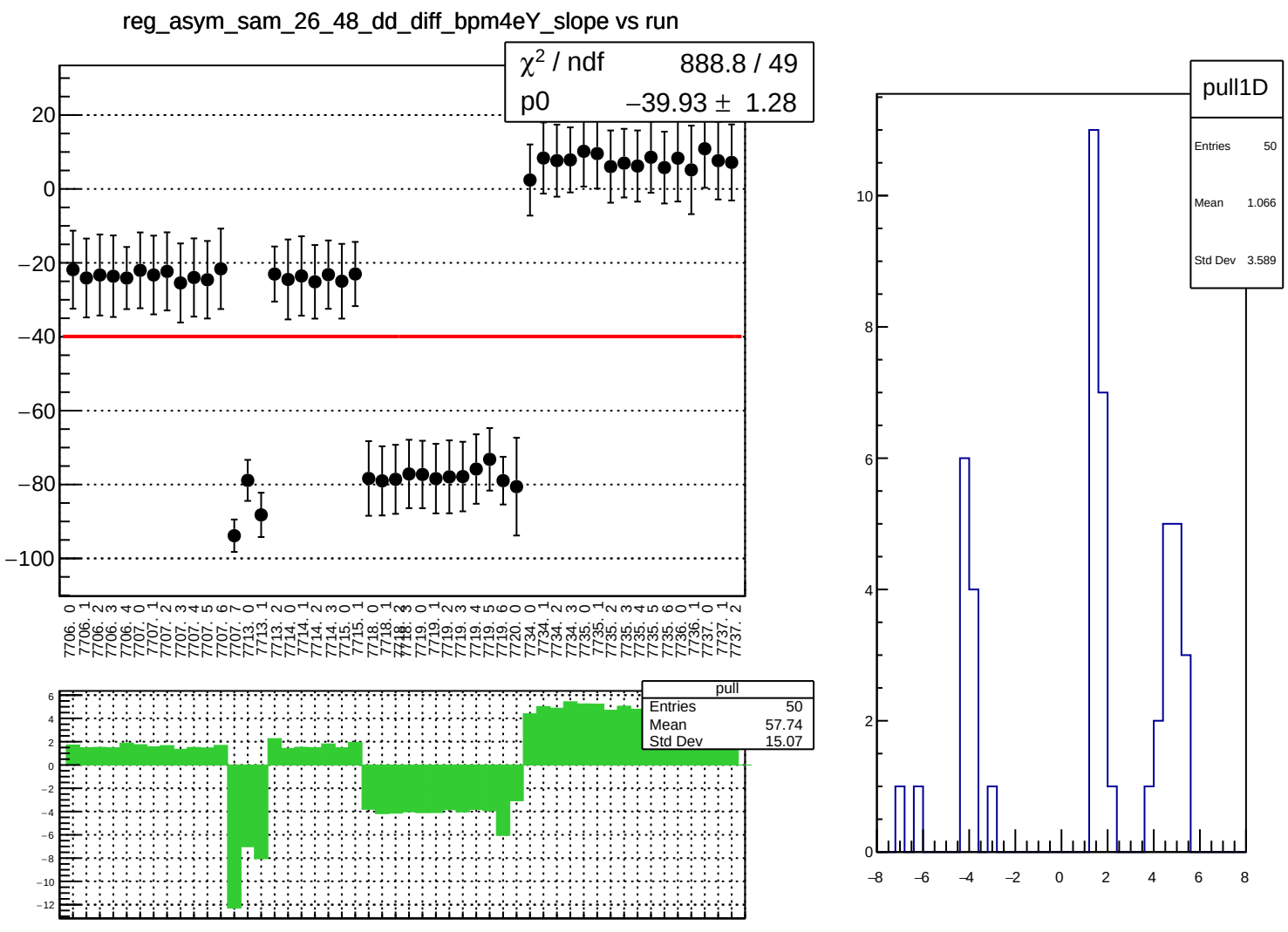

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.79 / 49
p0 1.163 ± 4.47
pull
Entries 50
Mean 42.63
Std Dev 15.73
pull1D
Entries 50
Mean 0.1933
Std Dev 0.7338

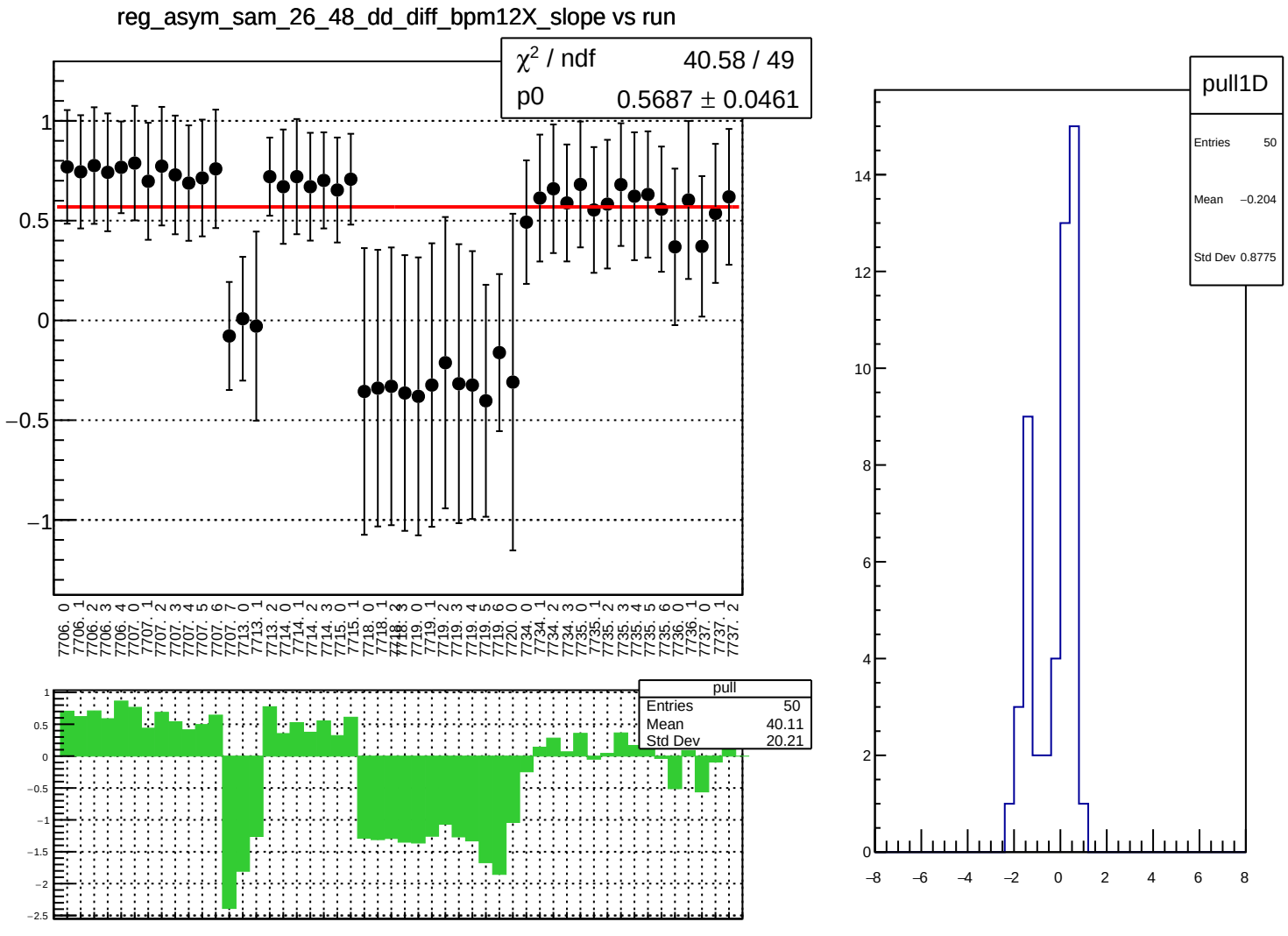

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.991 / 49
p0 −0.294 ± 0.1841
pull
Entries 50
Mean −357.2
Std Dev 383.7
pull1D
Entries 50
Mean 0.007287
Std Dev 0.2445

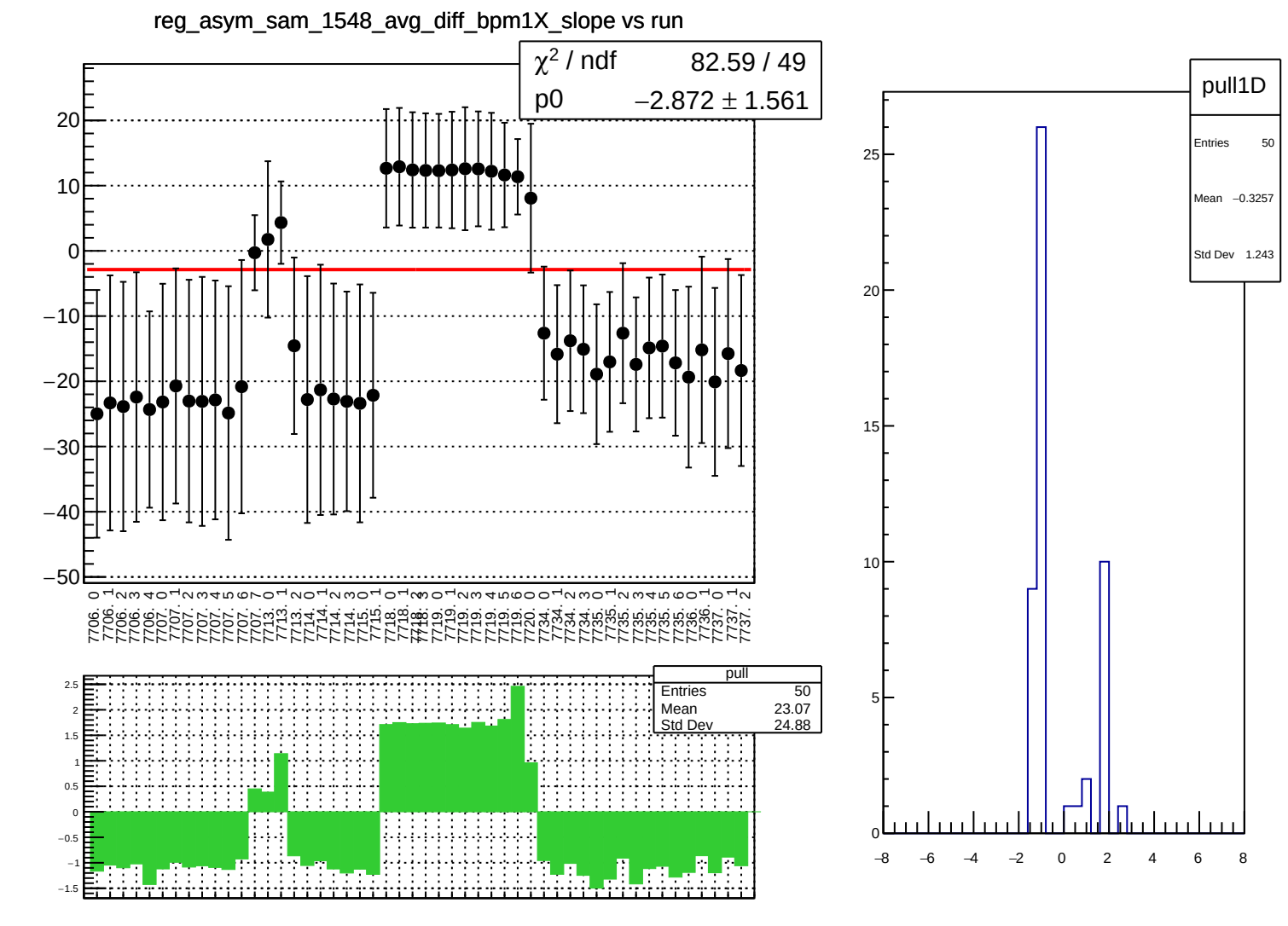

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 39.63 / 49
p0 −0.4373 ± 0.7781
15
10
5
0
−5
−10
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 47.03
Std Dev 22.91
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean 0.1076
Std Dev 0.8838
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

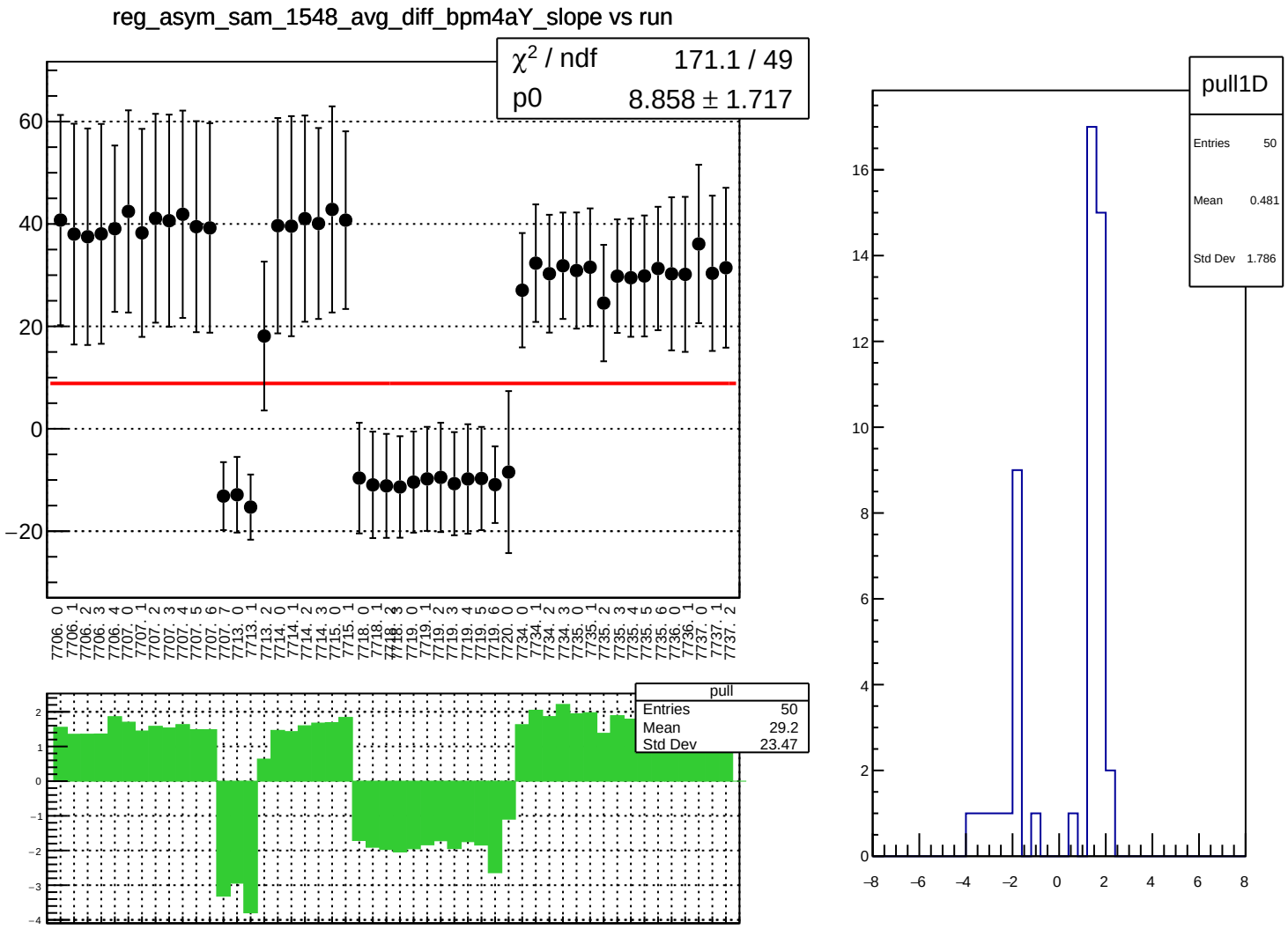

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 822.4 / 49
p0 −15.64 ± 0.8509
pull
Entries 50
Mean 33.49
Std Dev 27.33
pull1D
Entries 50
Mean −1.064
Std Dev 3.411

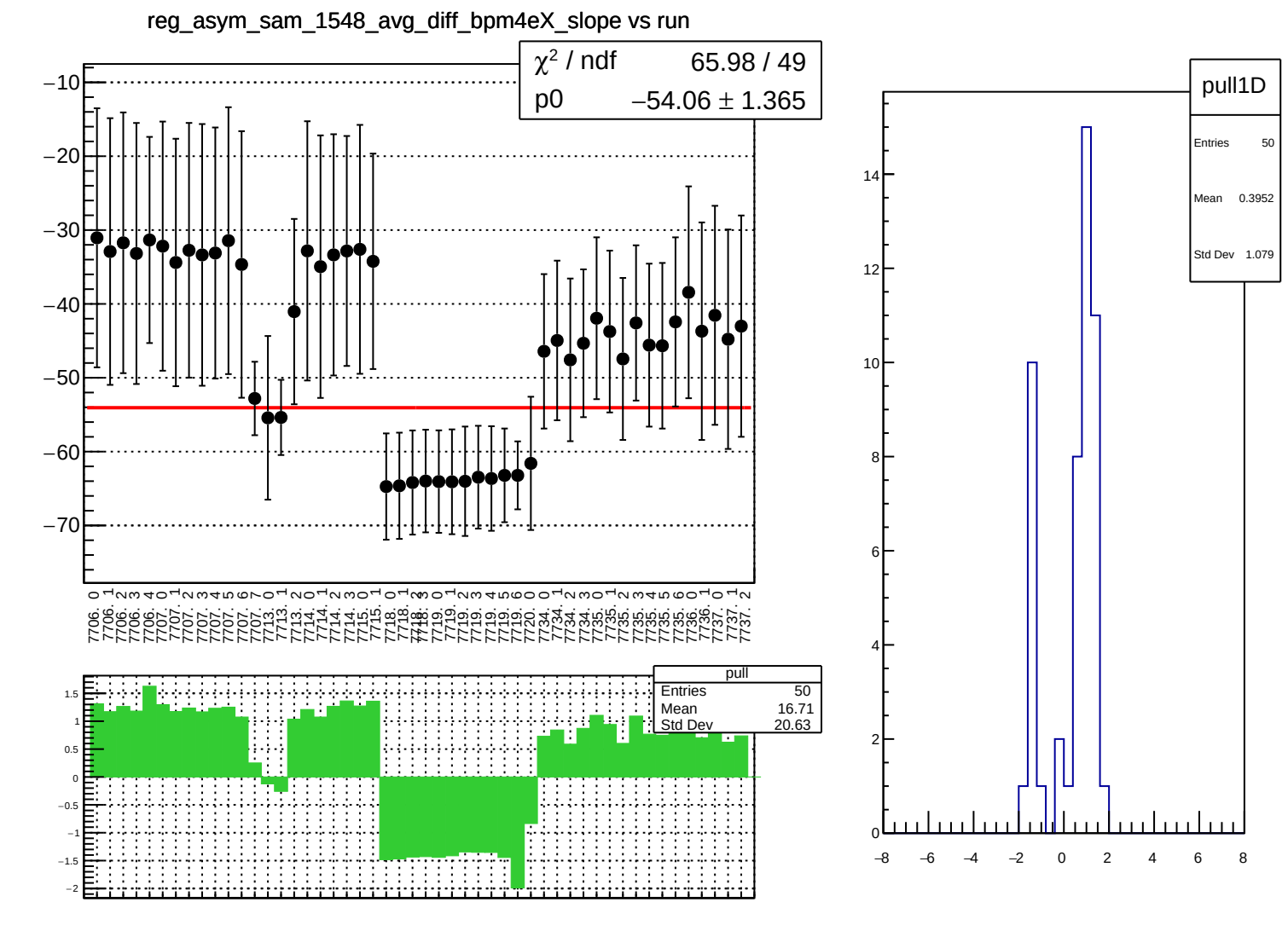

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.93 / 49
p0 24.52 ± 0.6987
pull
Entries 50
Mean 41.72
Std Dev 20.23
pull1D
Entries 50
Mean −0.1802
Std Dev 0.8521

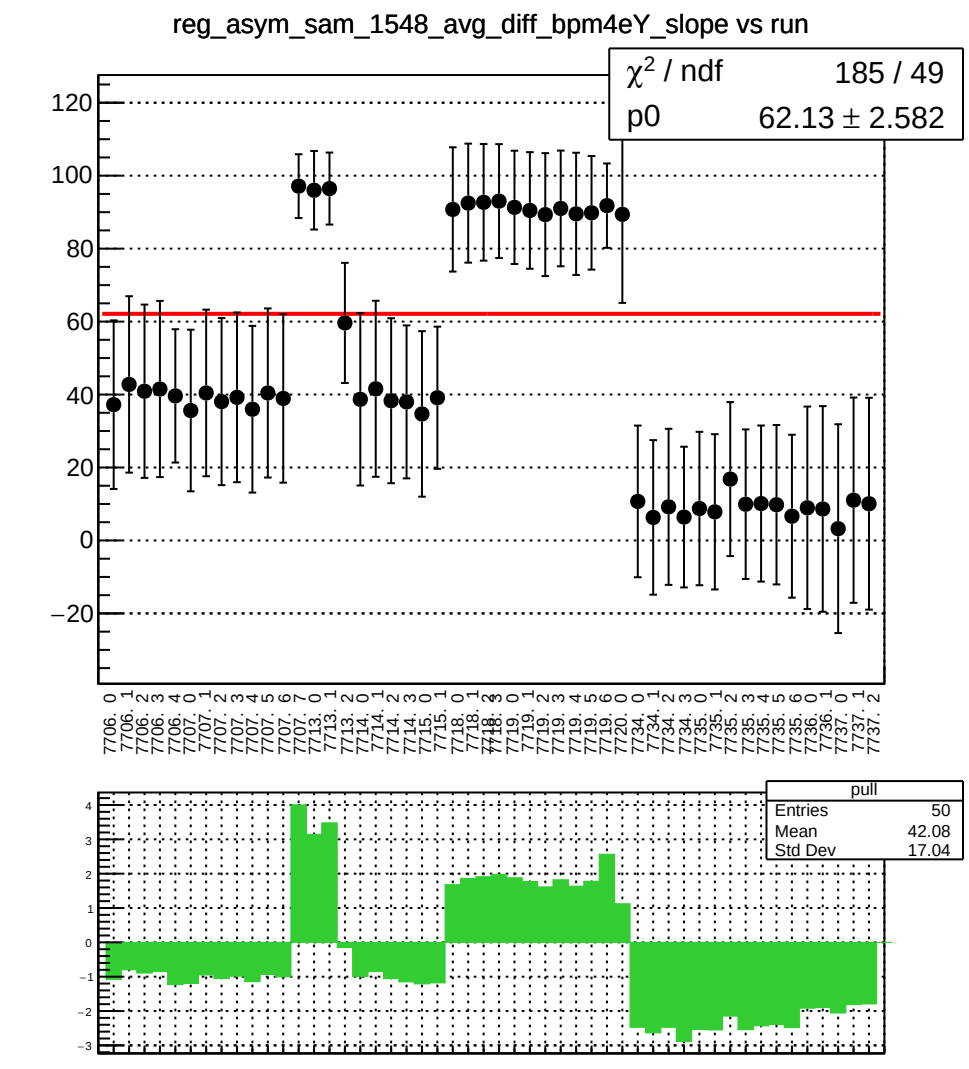

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 888.8 / 49
p0 −39.93 ± 1.28
20
0
−20
−40
−60
−80
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 57.74
Std Dev 15.07
6
4
2
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 50
Mean 1.066
Std Dev 3.589
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

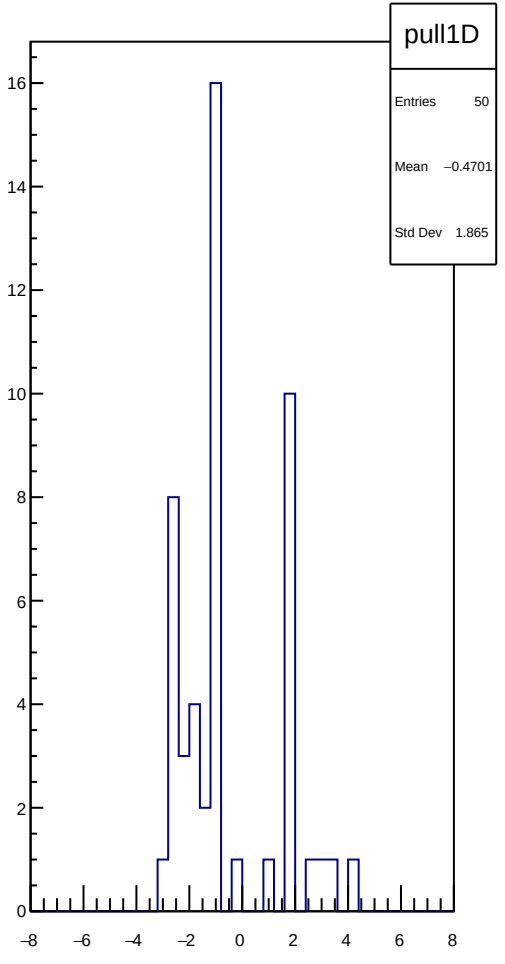

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 40.58 / 49
p0 0.5687 ± 0.0461
pull
Entries 50
Mean 40.11
Std Dev 20.21
pull1D
Entries 50
Mean −0.204
Std Dev 0.8775

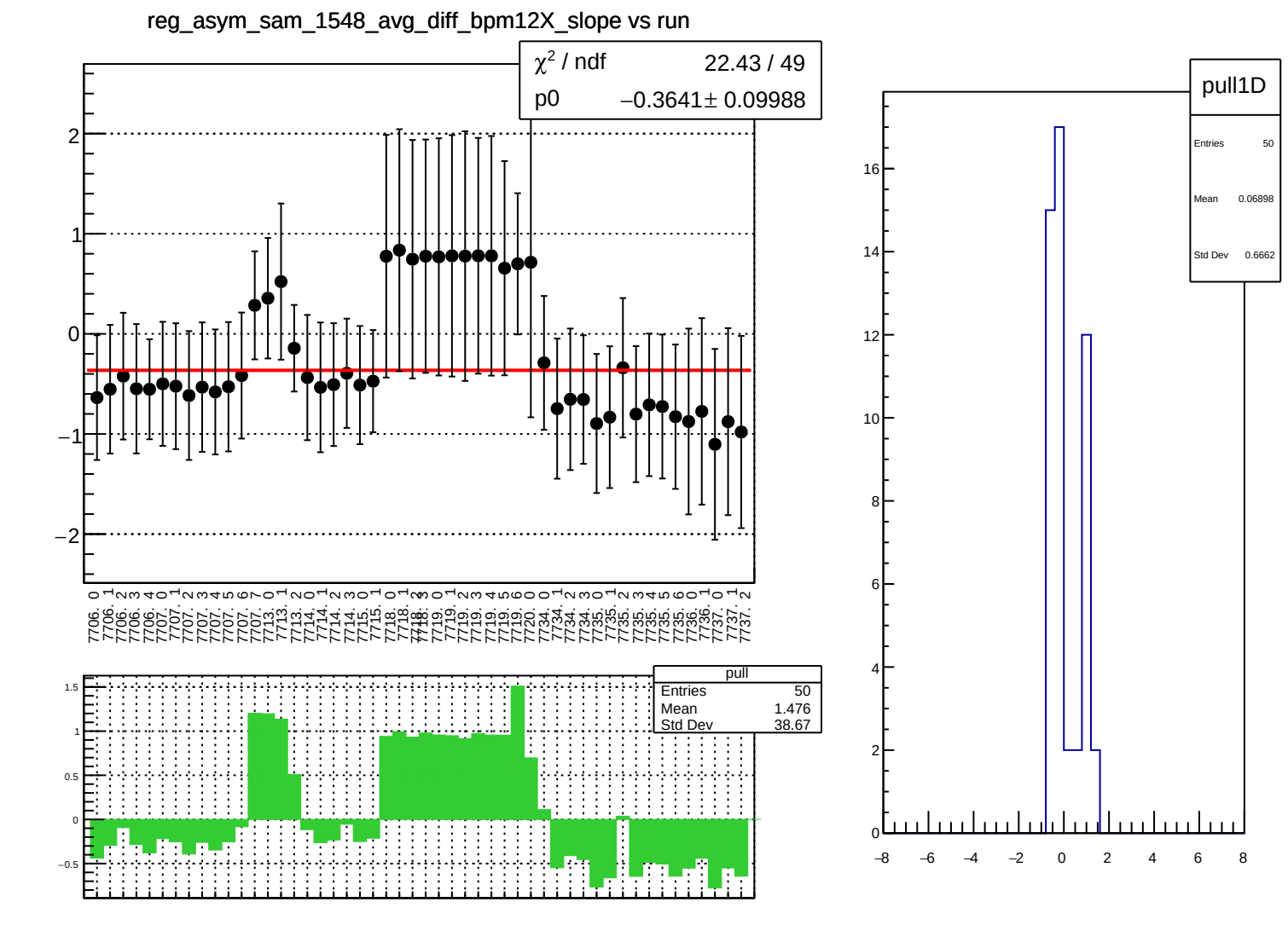

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 82.59 / 49
p0 −2.872 ± 1.561
pull
Entries 50
Mean 23.07
Std Dev 24.88
pull1D
Entries 50
Mean −0.3257
Std Dev 1.243

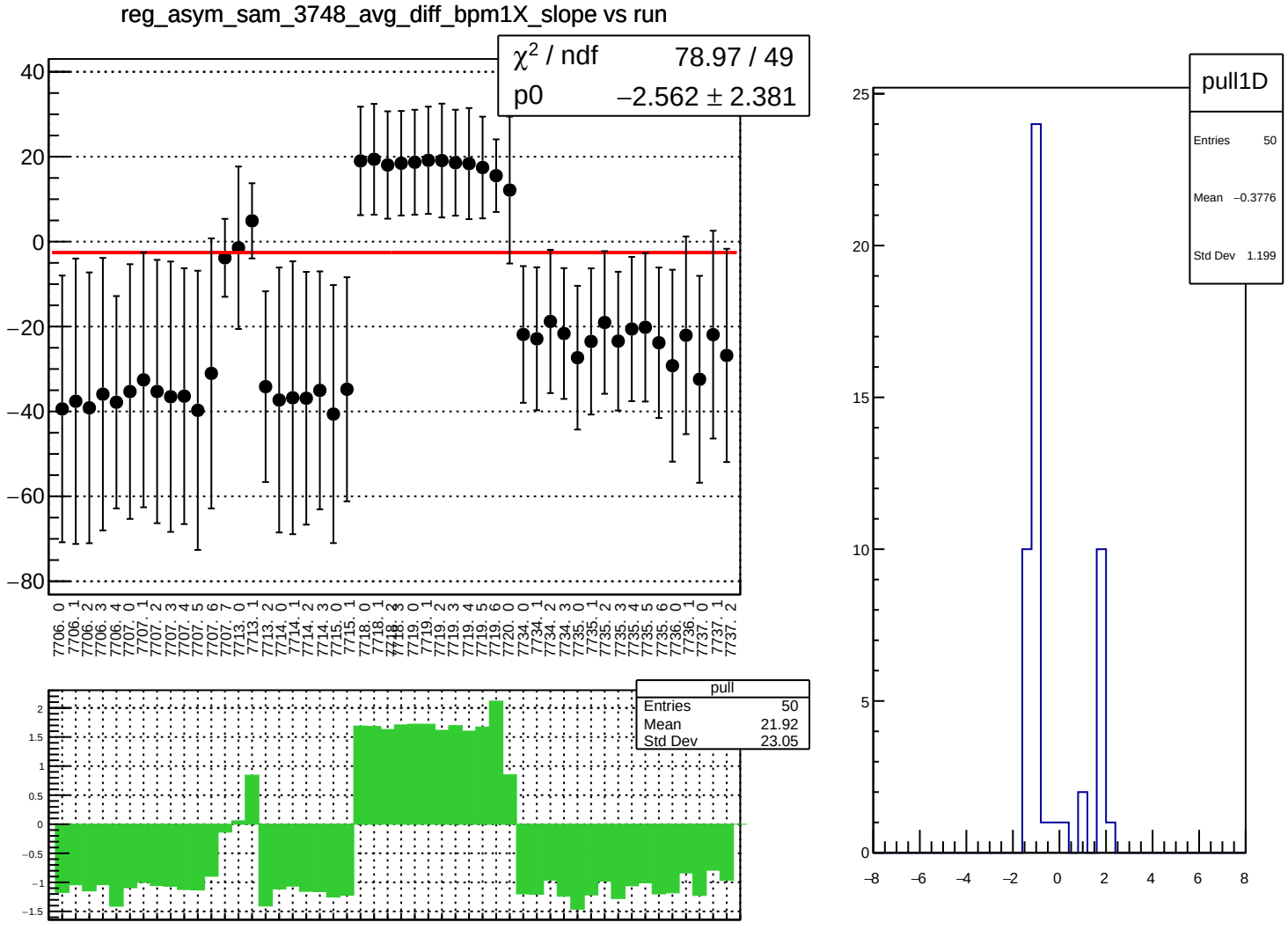

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 171.1 / 49
p0 8.858 ± 1.717
pull
Entries 50
Mean 29.2
Std Dev 23.47
pull1D
Entries 50
Mean 0.481
Std Dev 1.786

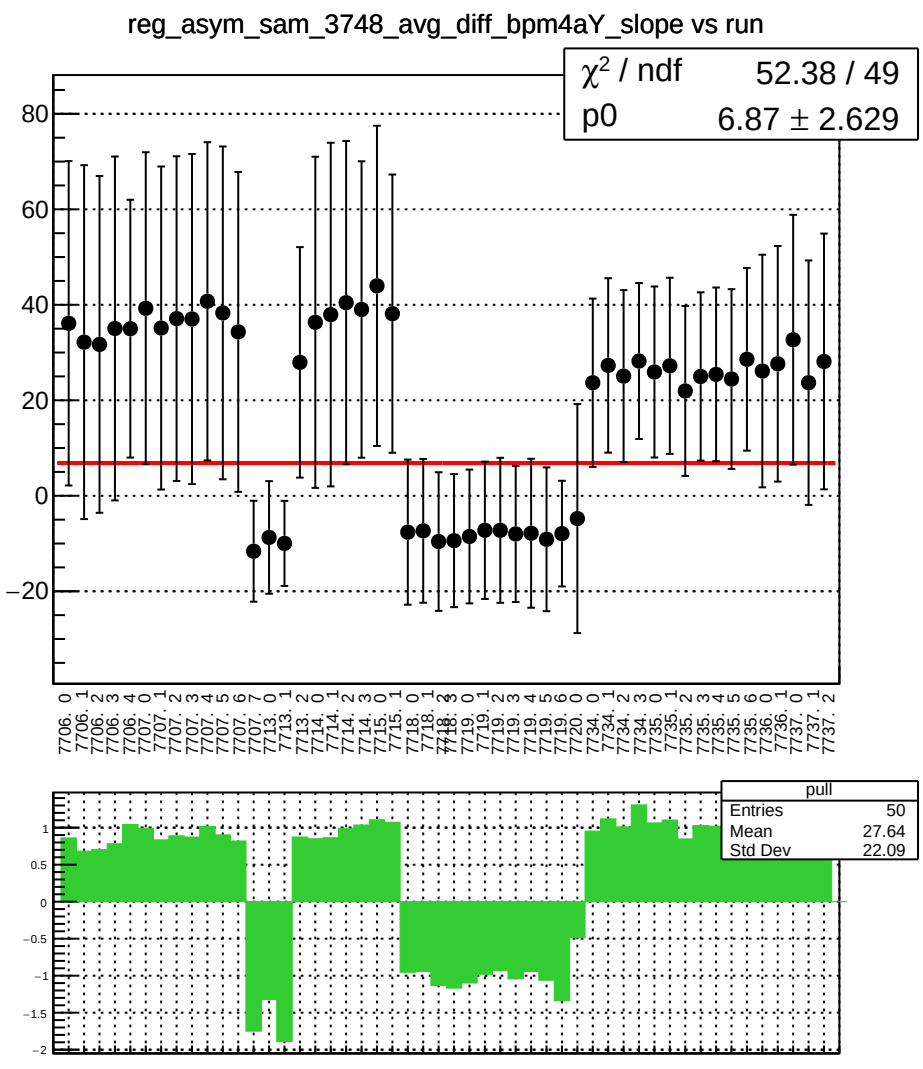

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.98 / 49
p0 −54.06 ± 1.365
pull
Entries 50
Mean 16.71
Std Dev 20.63
pull1D
Entries 50
Mean 0.3952
Std Dev 1.079

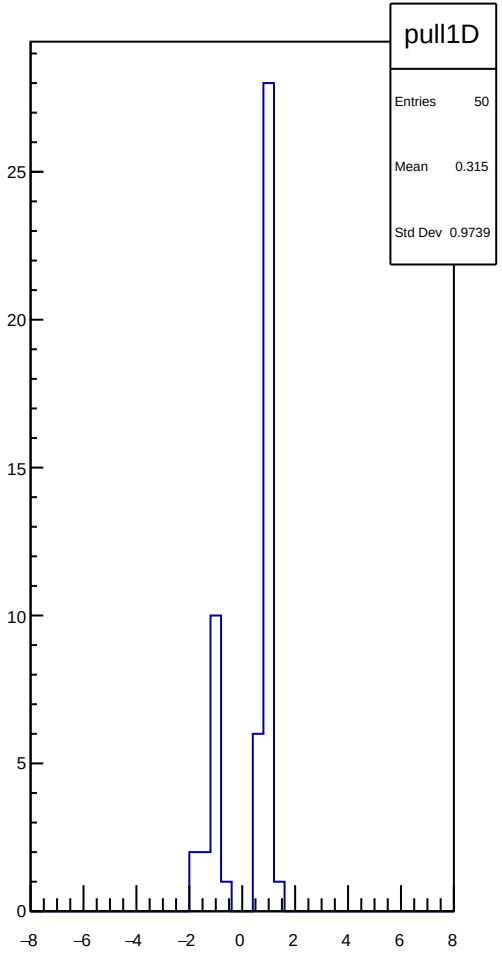

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 185 / 49
p0 62.13 ± 2.582
pull
Entries 50
Mean 42.08
Std Dev 17.04

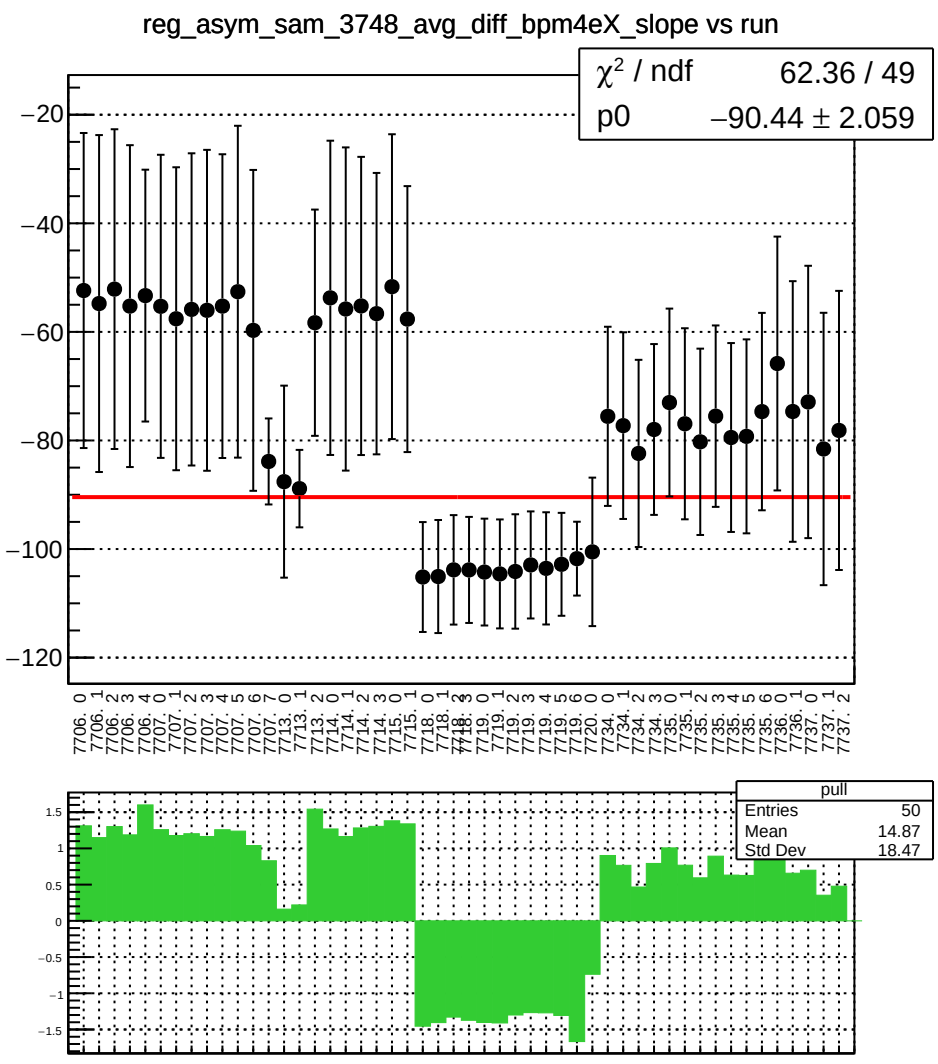

pull1D
Entries 50
Mean −0.4701
Std Dev 1.865

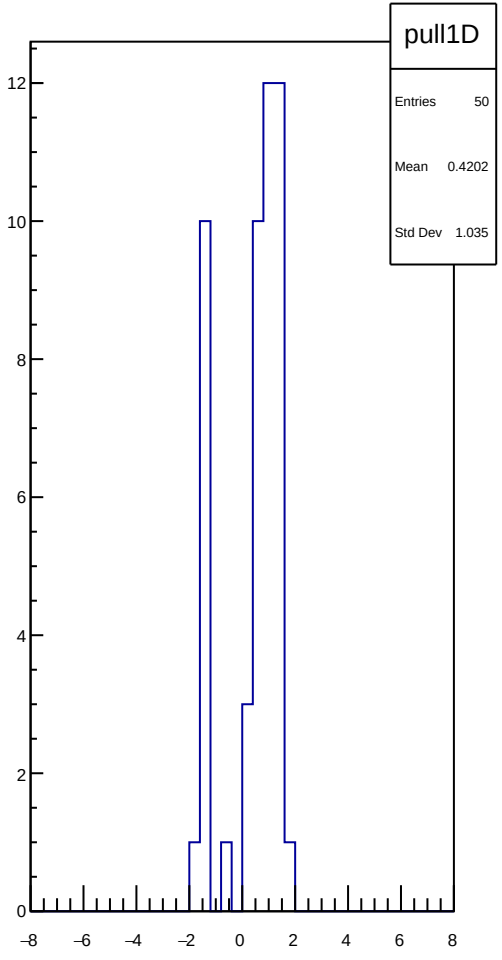

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 22.43 / 49
p0 −0.3641± 0.09988
pull
Entries 50
Mean 1.476
Std Dev 38.67
pull1D
Entries 50
Mean 0.06898
Std Dev 0.6662

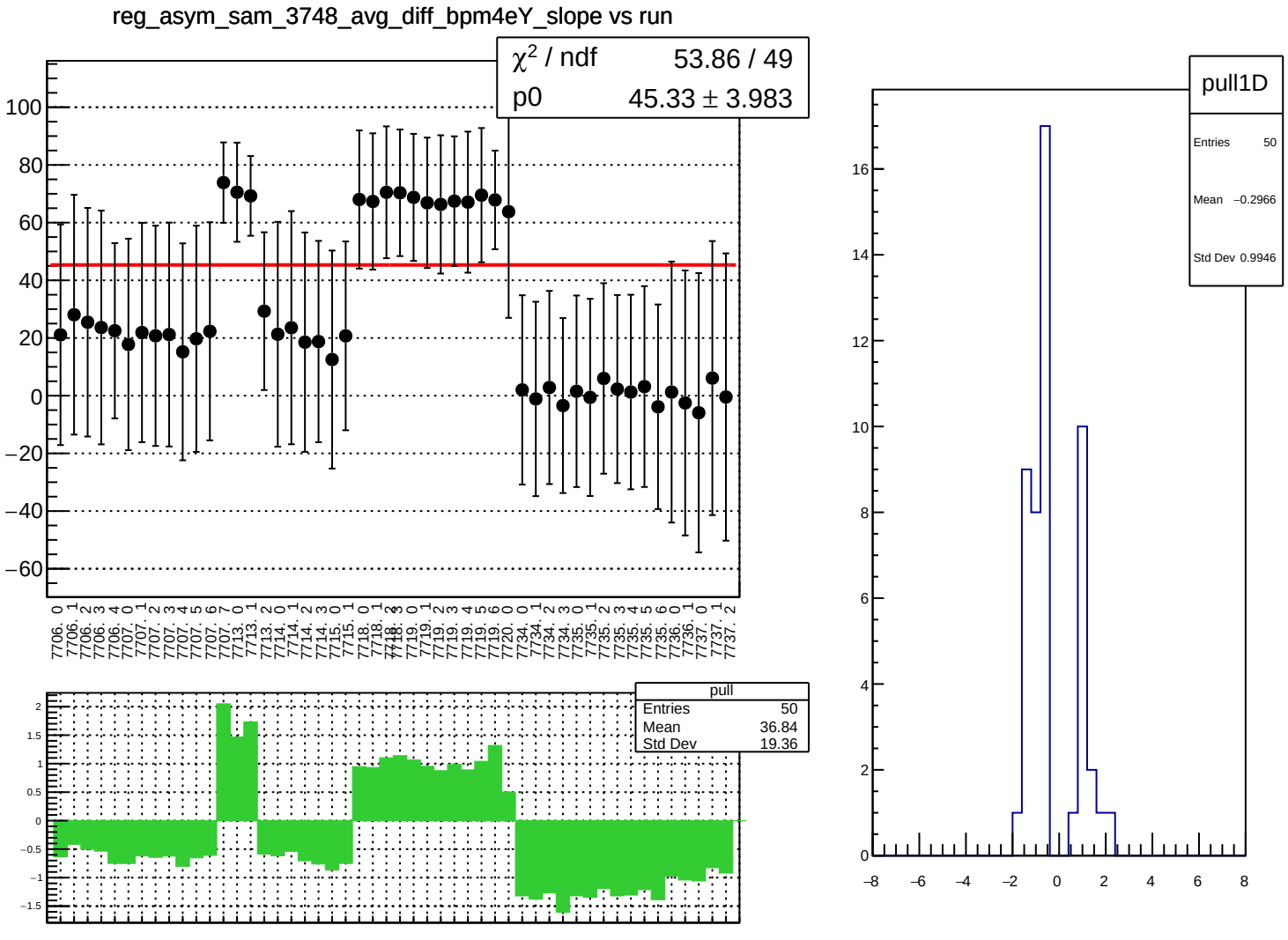

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 78.97 / 49
p0 −2.562 ± 2.381
pull
Entries 50
Mean 21.92
Std Dev 23.05
pull1D
Entries 50
Mean −0.3776
Std Dev 1.199

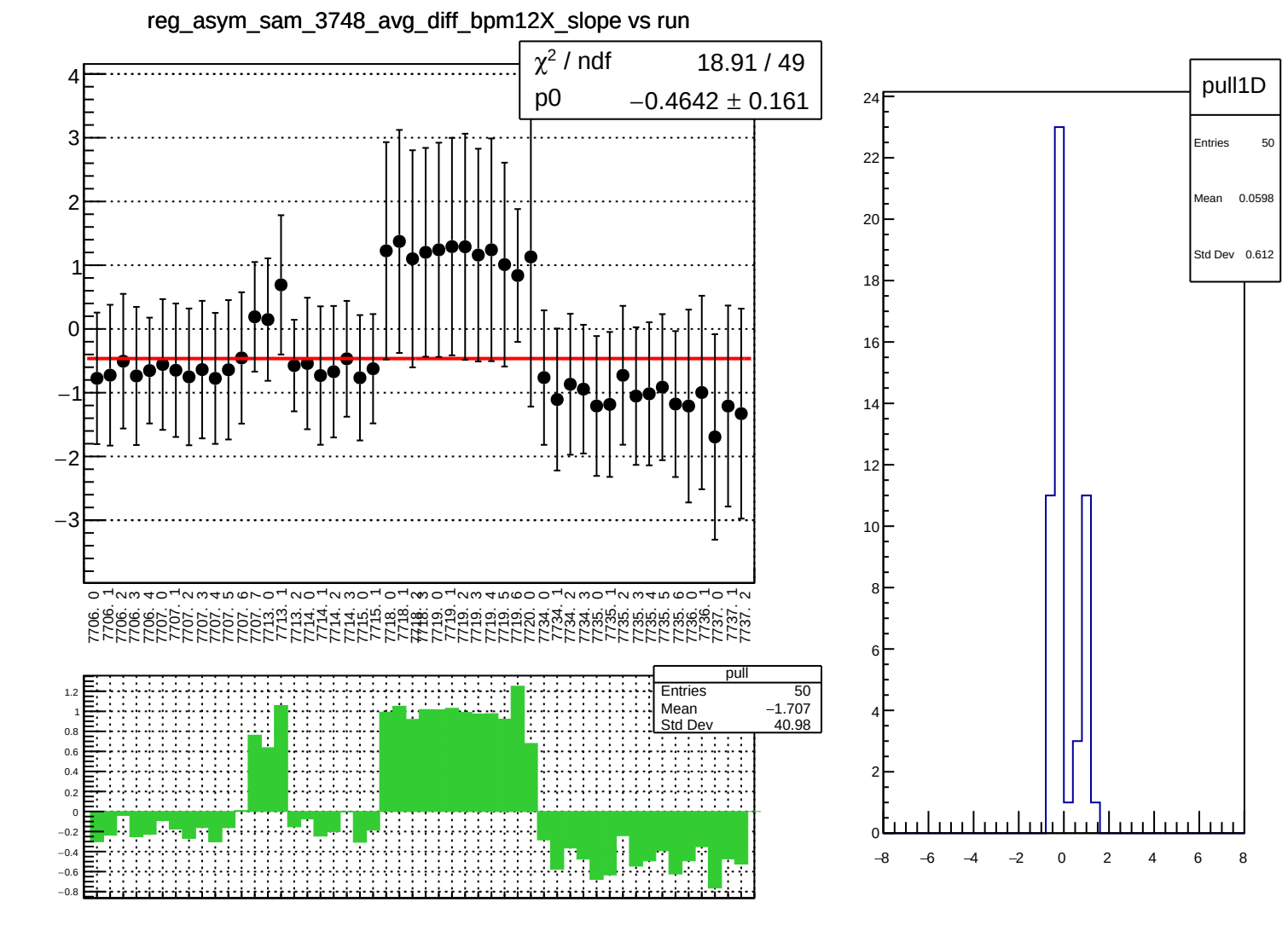

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.38 / 49
p0 6.87 ± 2.629
pull
Entries 50
Mean 27.64
Std Dev 22.09

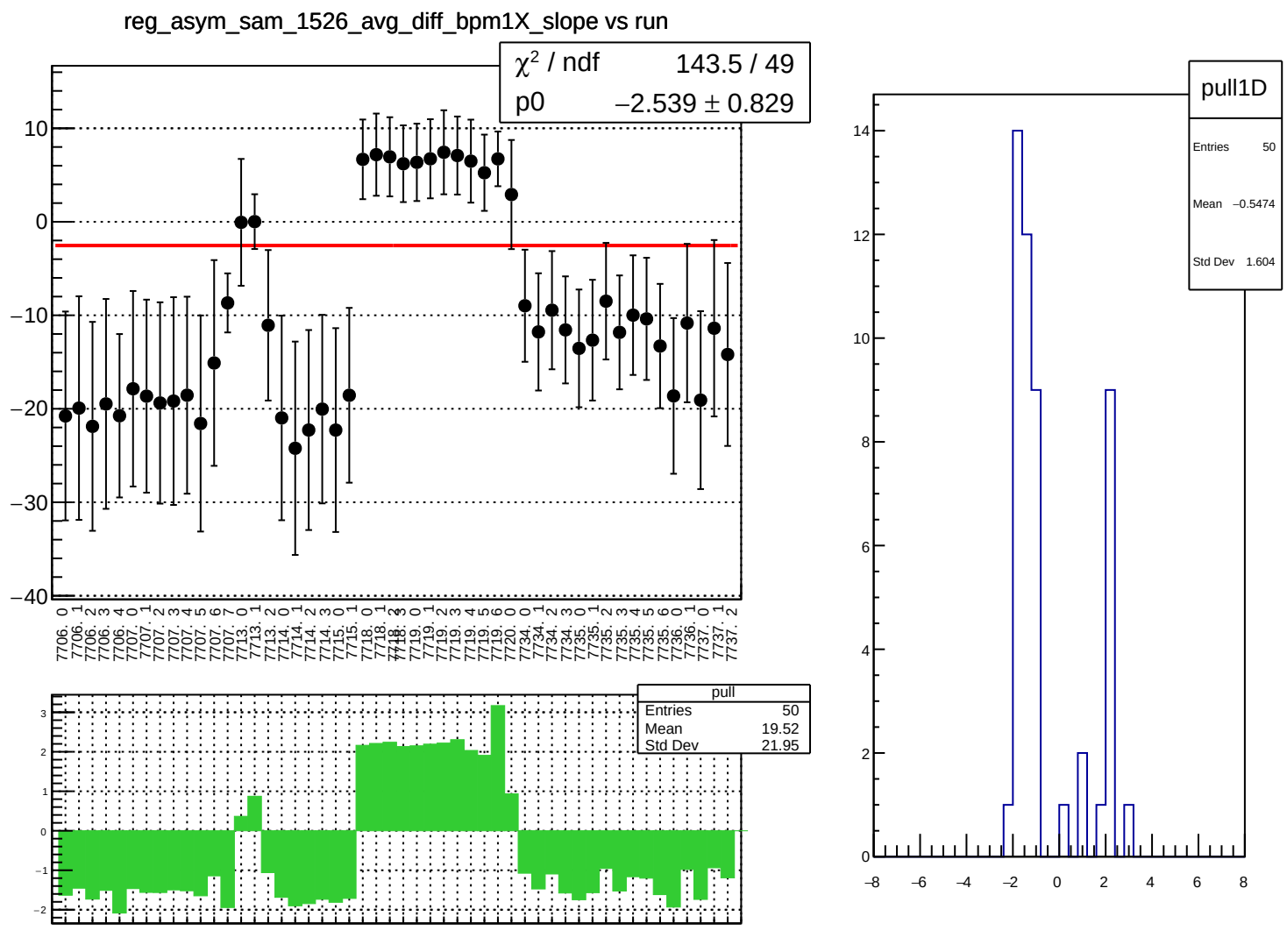

pull1D
Entries 50
Mean 0.315
Std Dev 0.9739

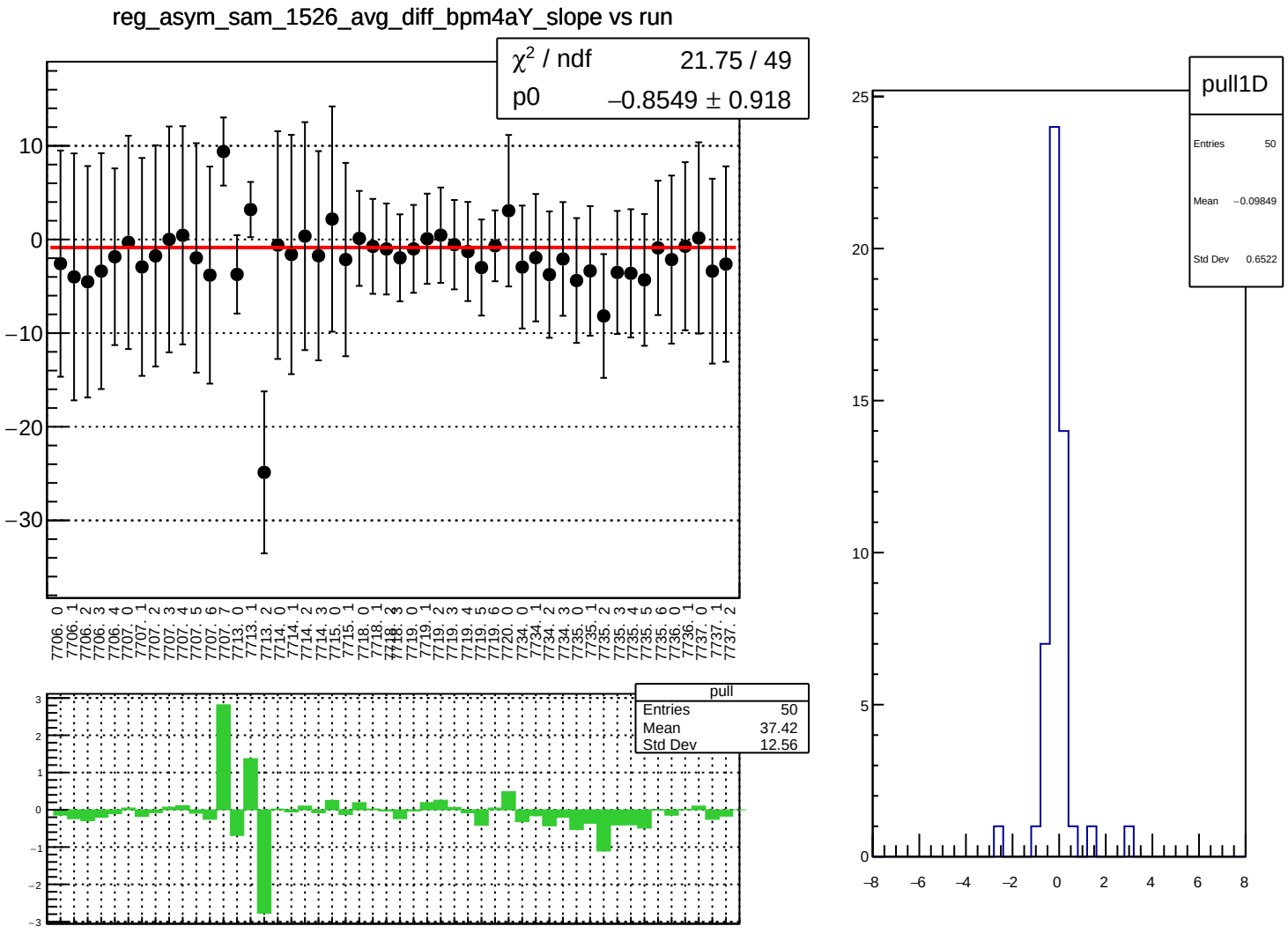

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.36 / 49
p0 −90.44 ± 2.059
pull
Entries 50
Mean 14.87
Std Dev 18.47

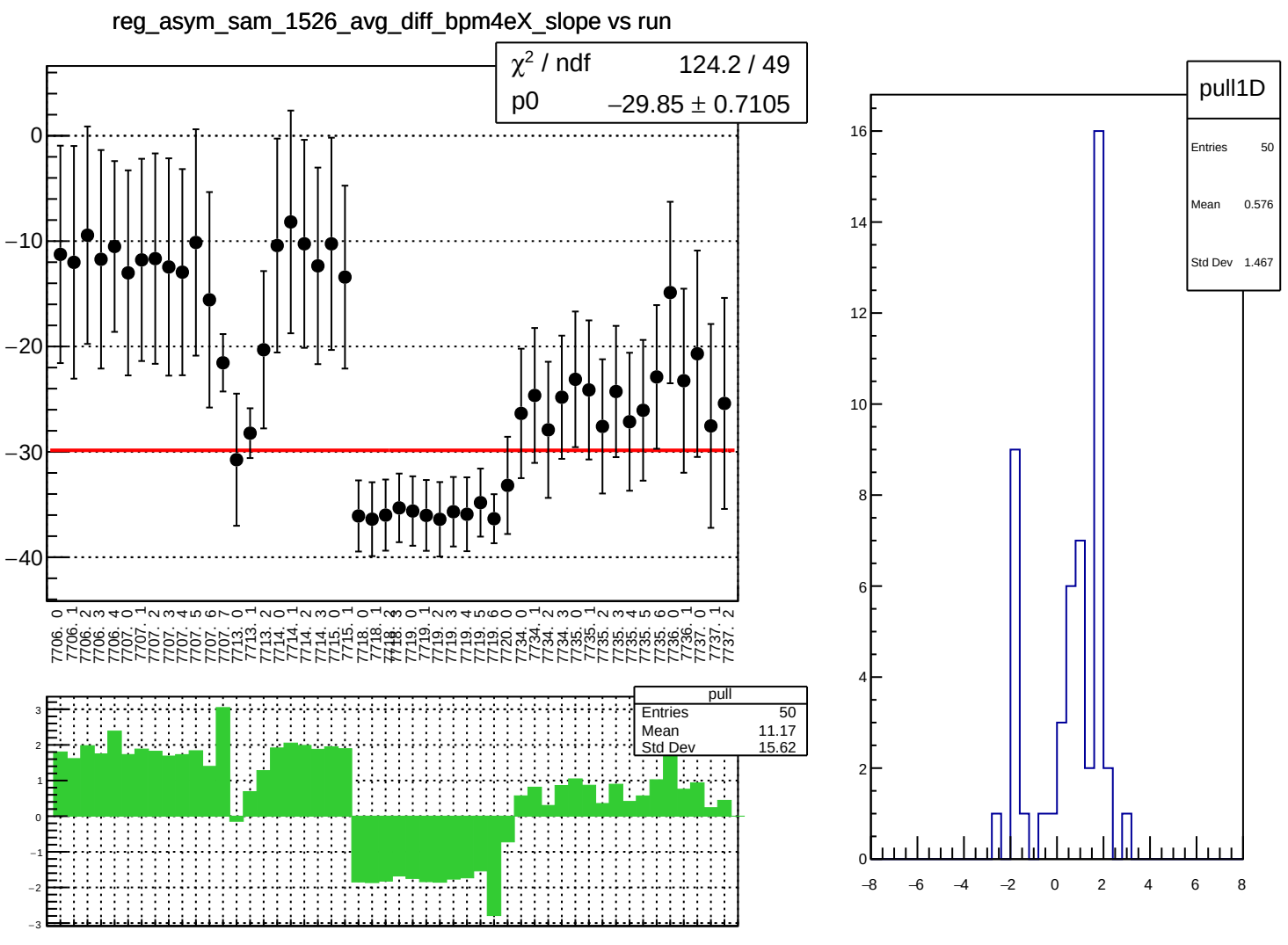

pull1D
Entries 50
Mean 0.4202
Std Dev 1.035

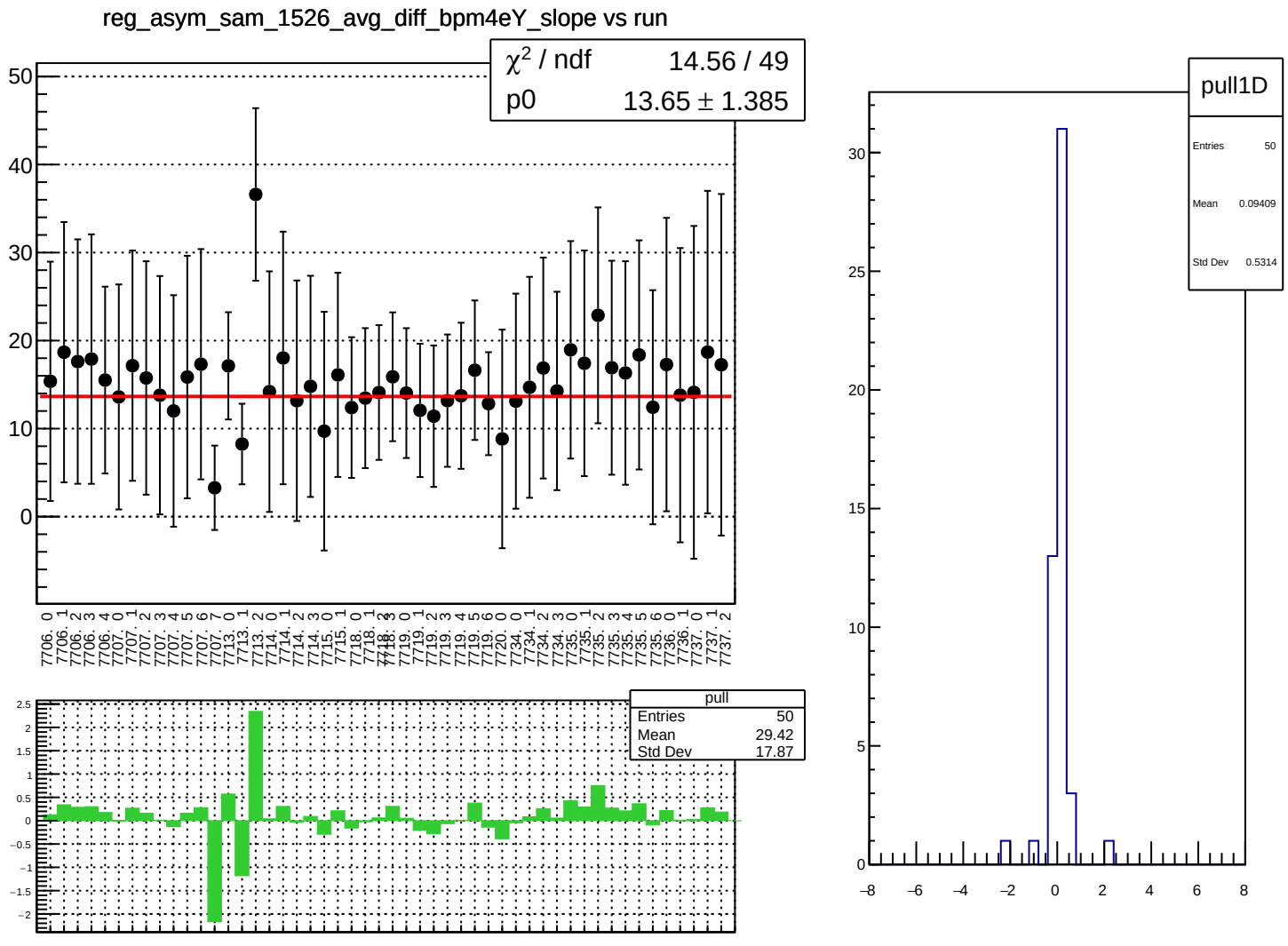

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.86 / 49
p0 45.33 ± 3.983
pull
Entries 50
Mean 36.84
Std Dev 19.36
pull1D
Entries 50
Mean −0.2966
Std Dev 0.9946

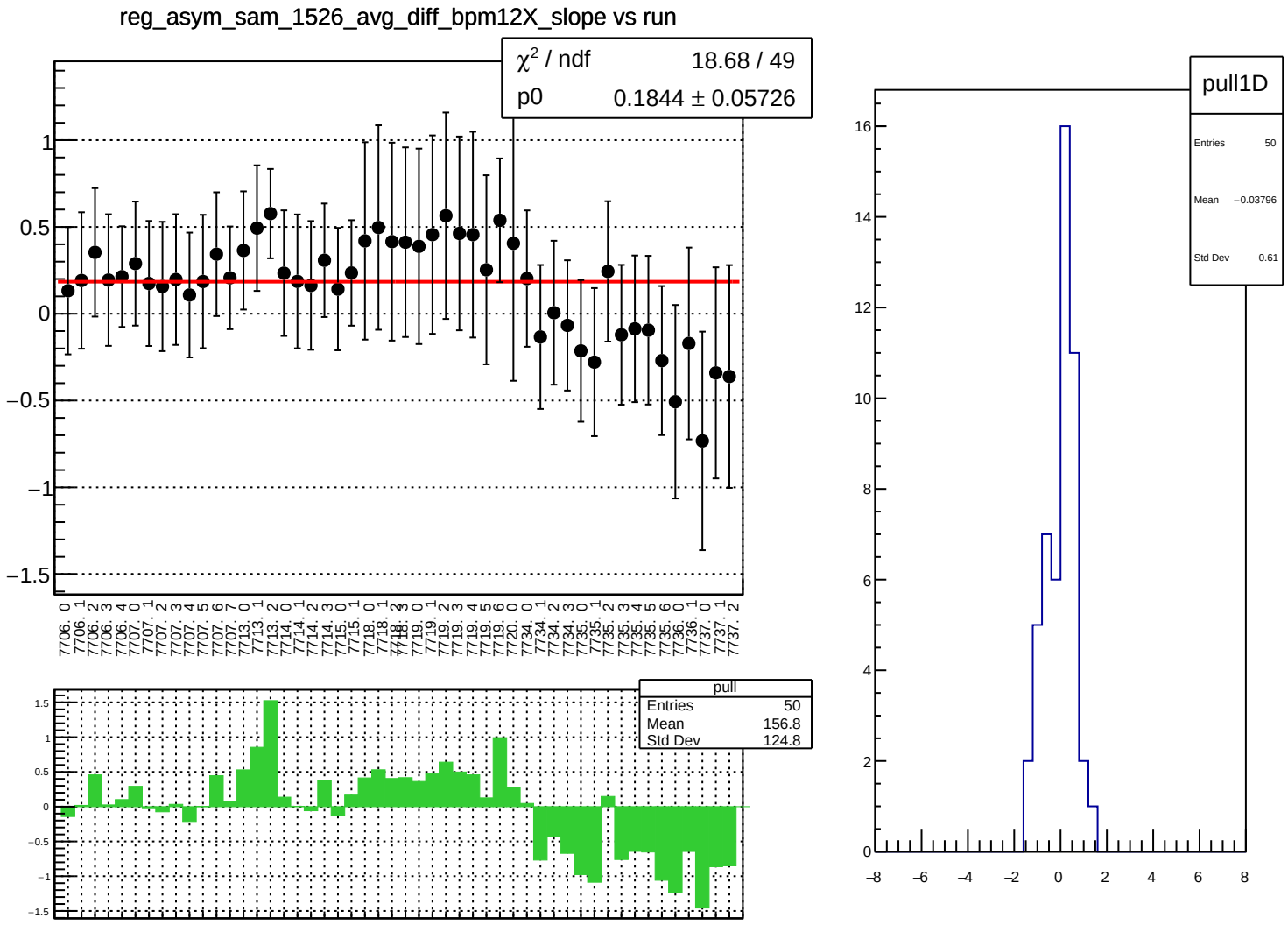

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 18.91 / 49
p0 −0.4642 ± 0.161
pull
Entries 50
Mean −1.707
Std Dev 40.98
pull1D
Entries 50
Mean 0.0598
Std Dev 0.612

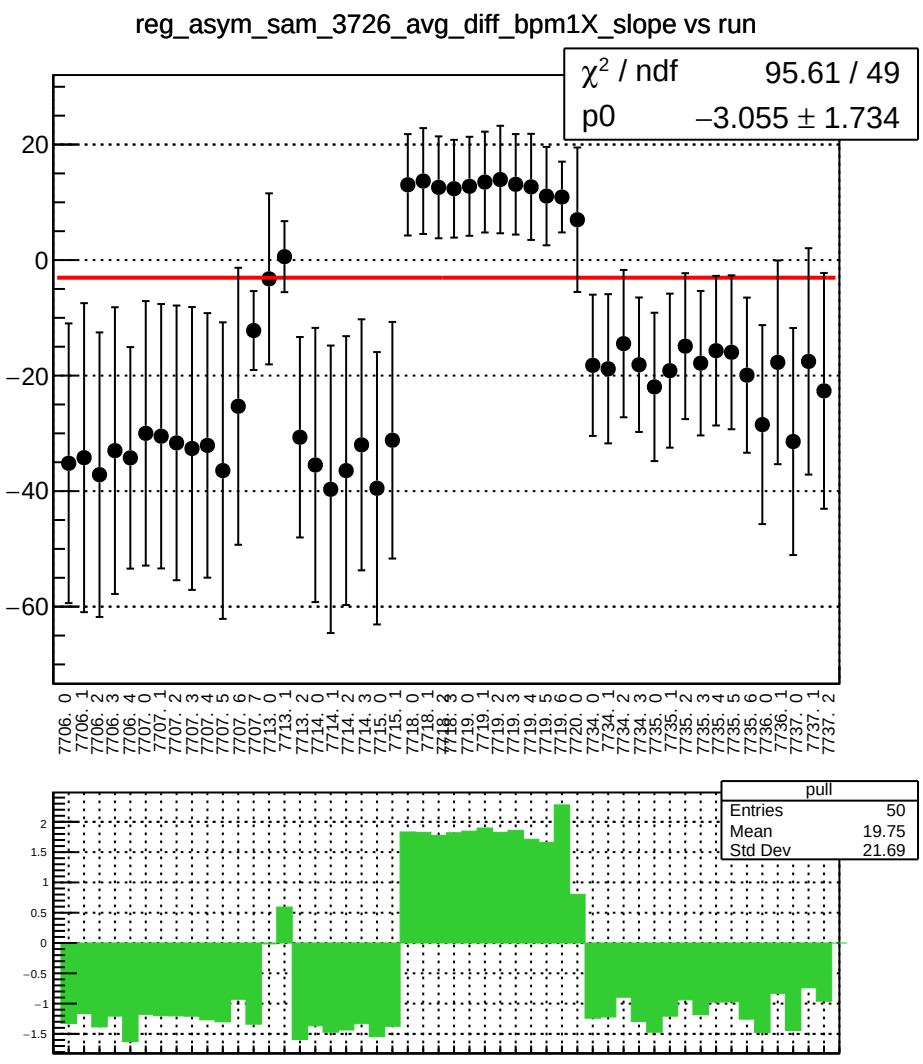

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 143.5 / 49
p0 −2.539 ± 0.829
pull
Entries 50
Mean 19.52
Std Dev 21.95
pull1D
Entries 50
Mean −0.5474
Std Dev 1.604

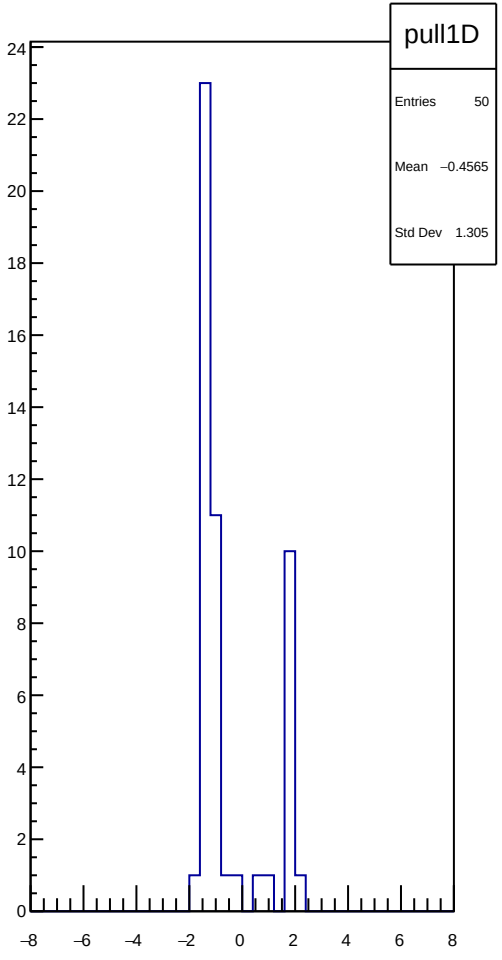

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.75 / 49
p0 −0.8549 ± 0.918
pull
Entries 50
Mean 37.42
Std Dev 12.56
pull1D
Entries 50
Mean −0.09849
Std Dev 0.6522

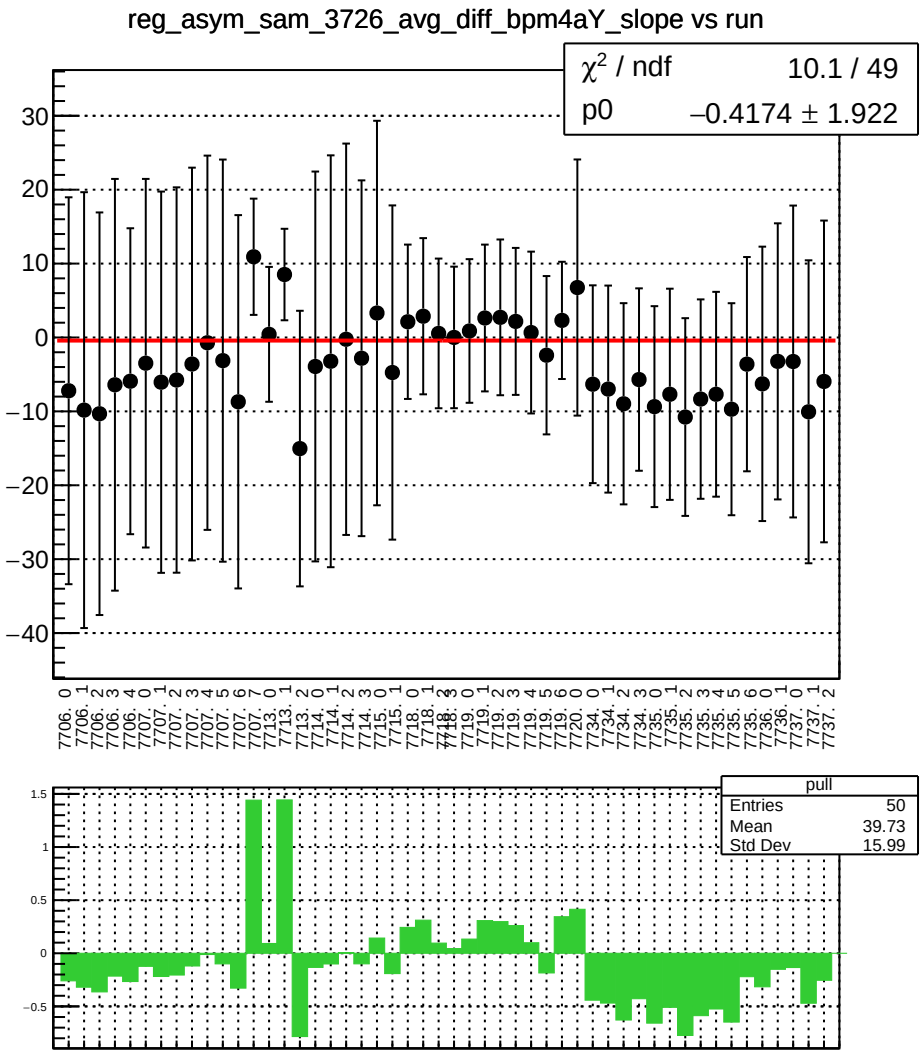

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 124.2 / 49
p0 −29.85 ± 0.7105
pull
Entries 50
Mean 11.17
Std Dev 15.62
pull1D
Entries 50
Mean 0.576
Std Dev 1.467

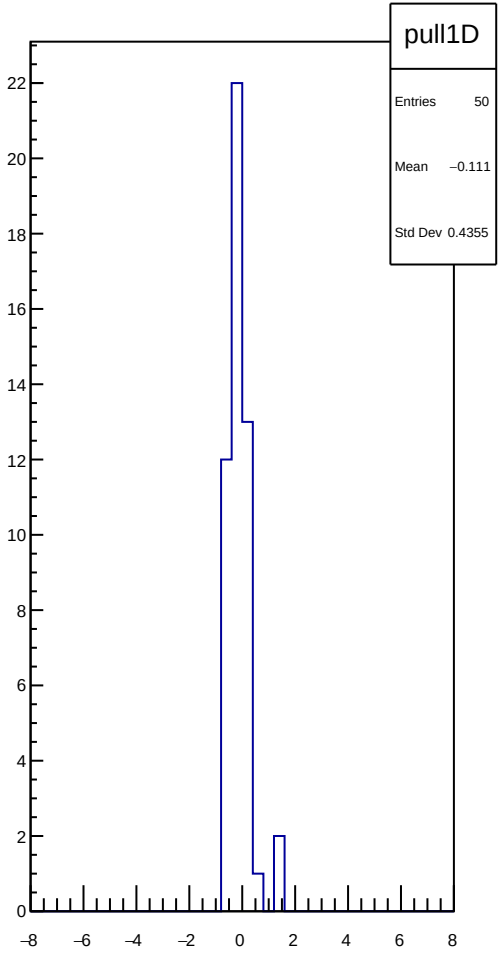

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.56 / 49
p0 13.65 ± 1.385
pull
Entries 50
Mean 29.42
Std Dev 17.87
pull1D
Entries 50
Mean 0.09409
Std Dev 0.5314

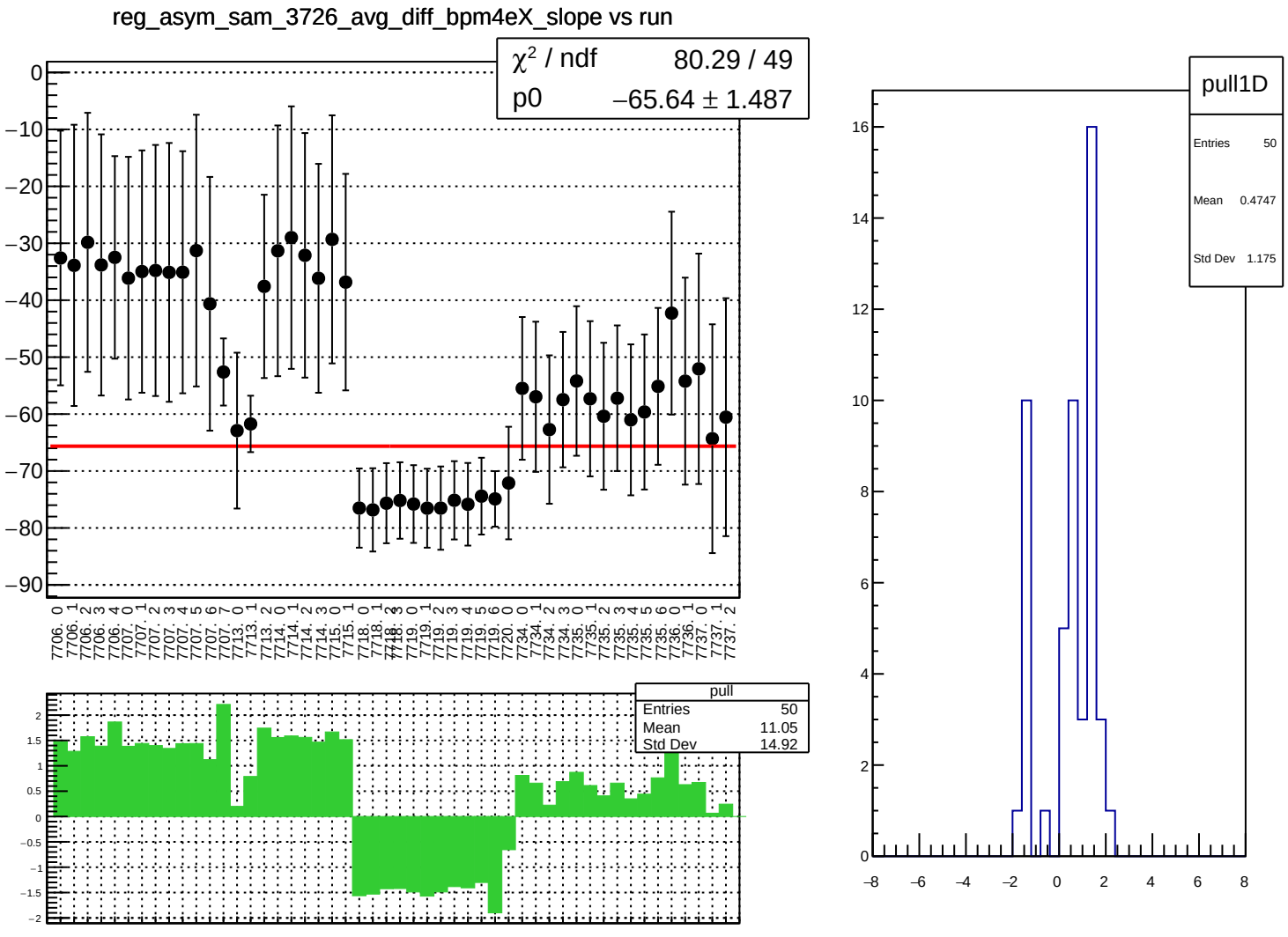

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 18.68 / 49
p0 0.1844 ± 0.05726
pull
Entries 50
Mean 156.8
Std Dev 124.8
pull1D
Entries 50
Mean −0.03796
Std Dev 0.61

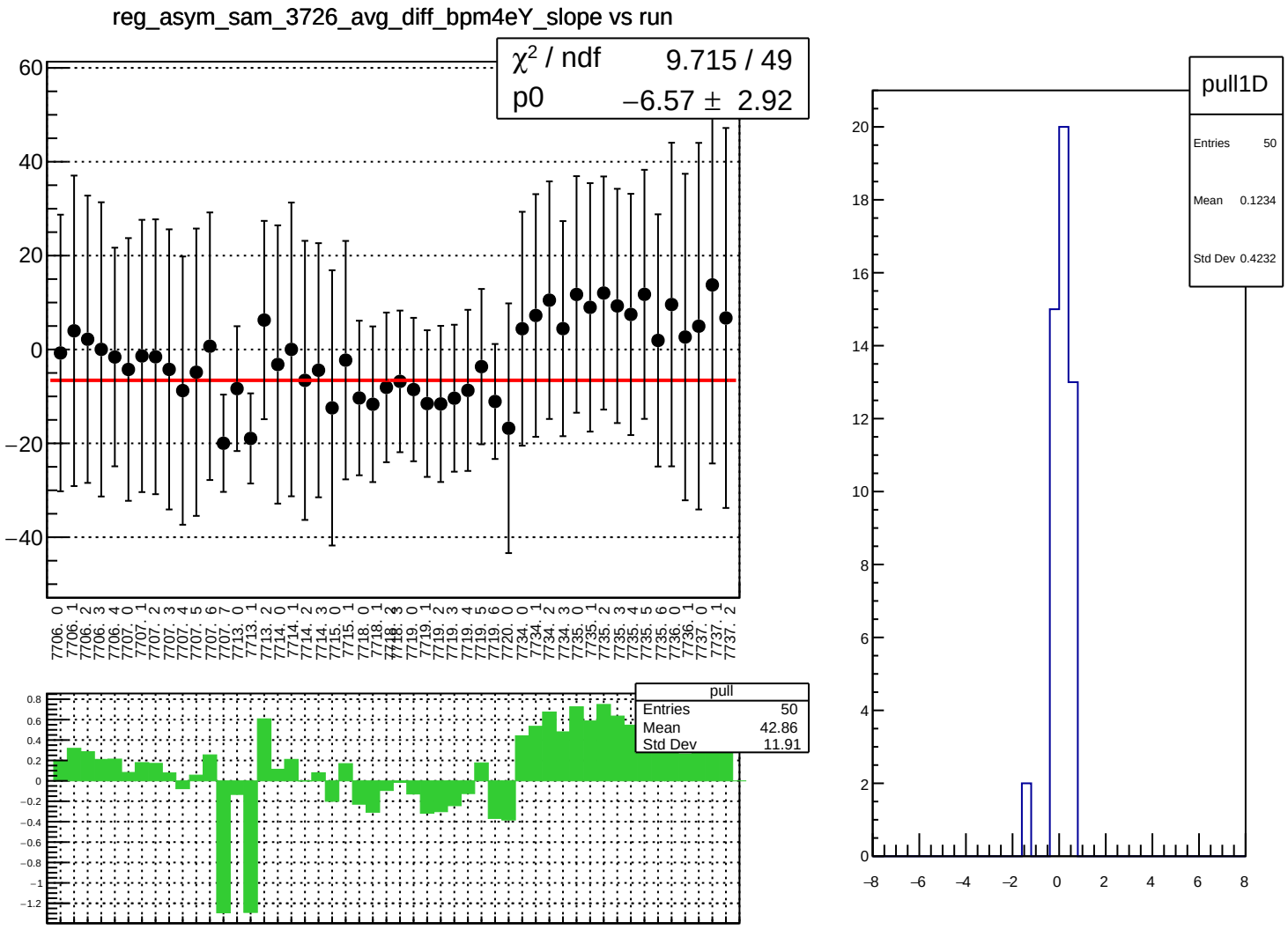

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 95.61 / 49
p0 −3.055 ± 1.734
pull
Entries 50
Mean 19.75
Std Dev 21.69

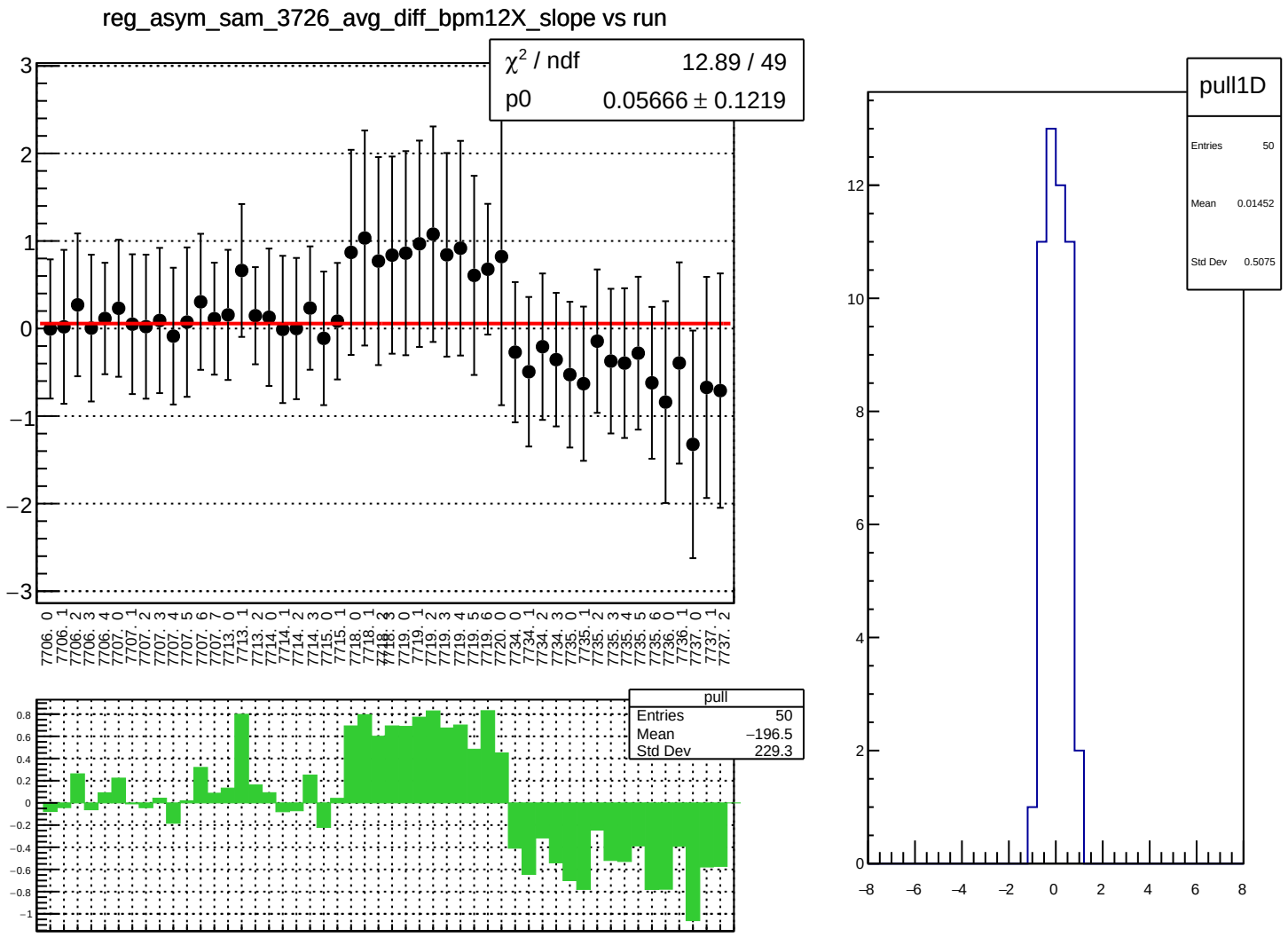

pull1D
Entries 50
Mean −0.4565
Std Dev 1.305

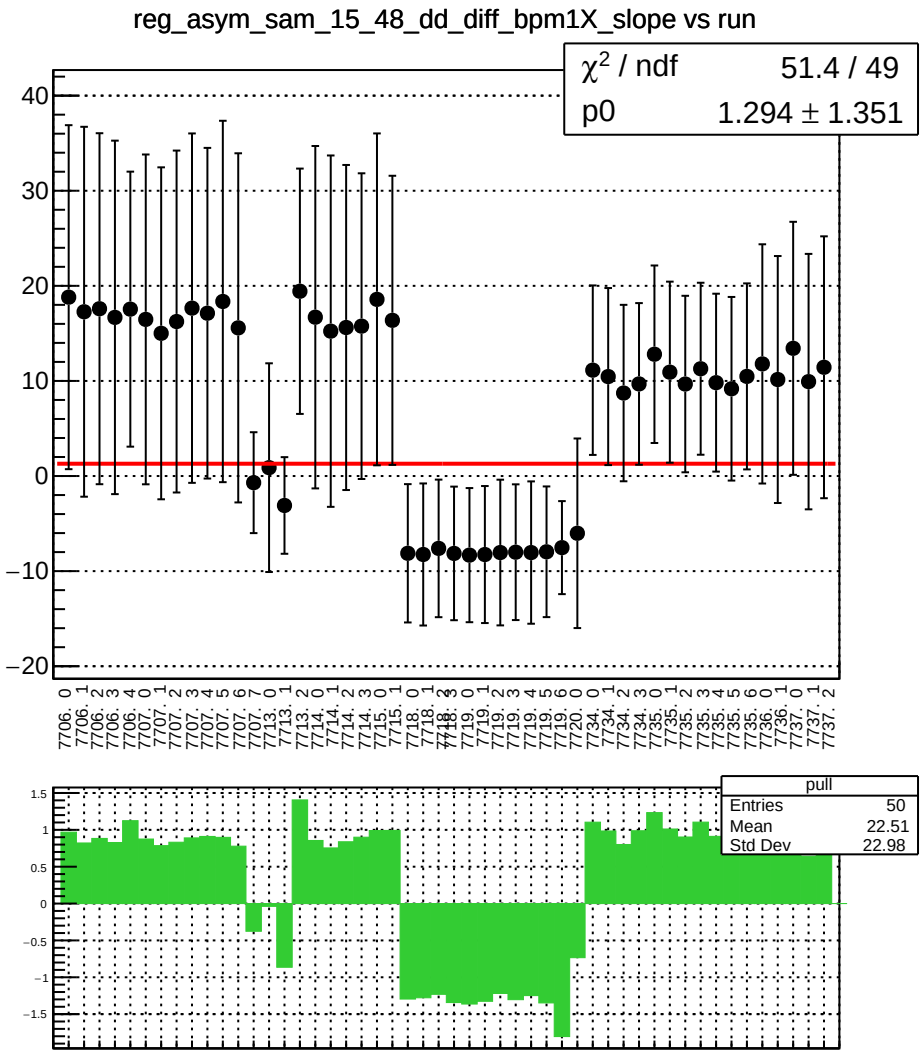

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.1 / 49
p0 −0.4174 ± 1.922
pull
Entries 50
Mean 39.73
Std Dev 15.99

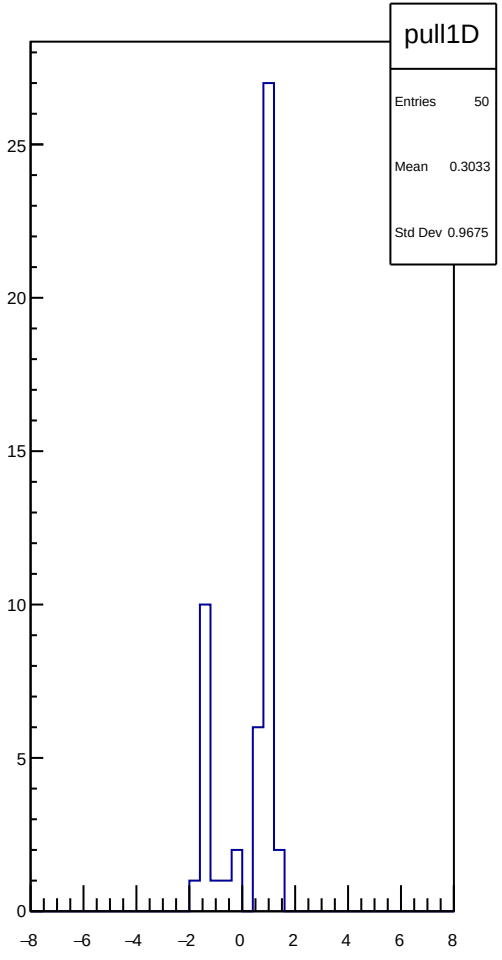

pull1D
Entries 50
Mean −0.111
Std Dev 0.4355

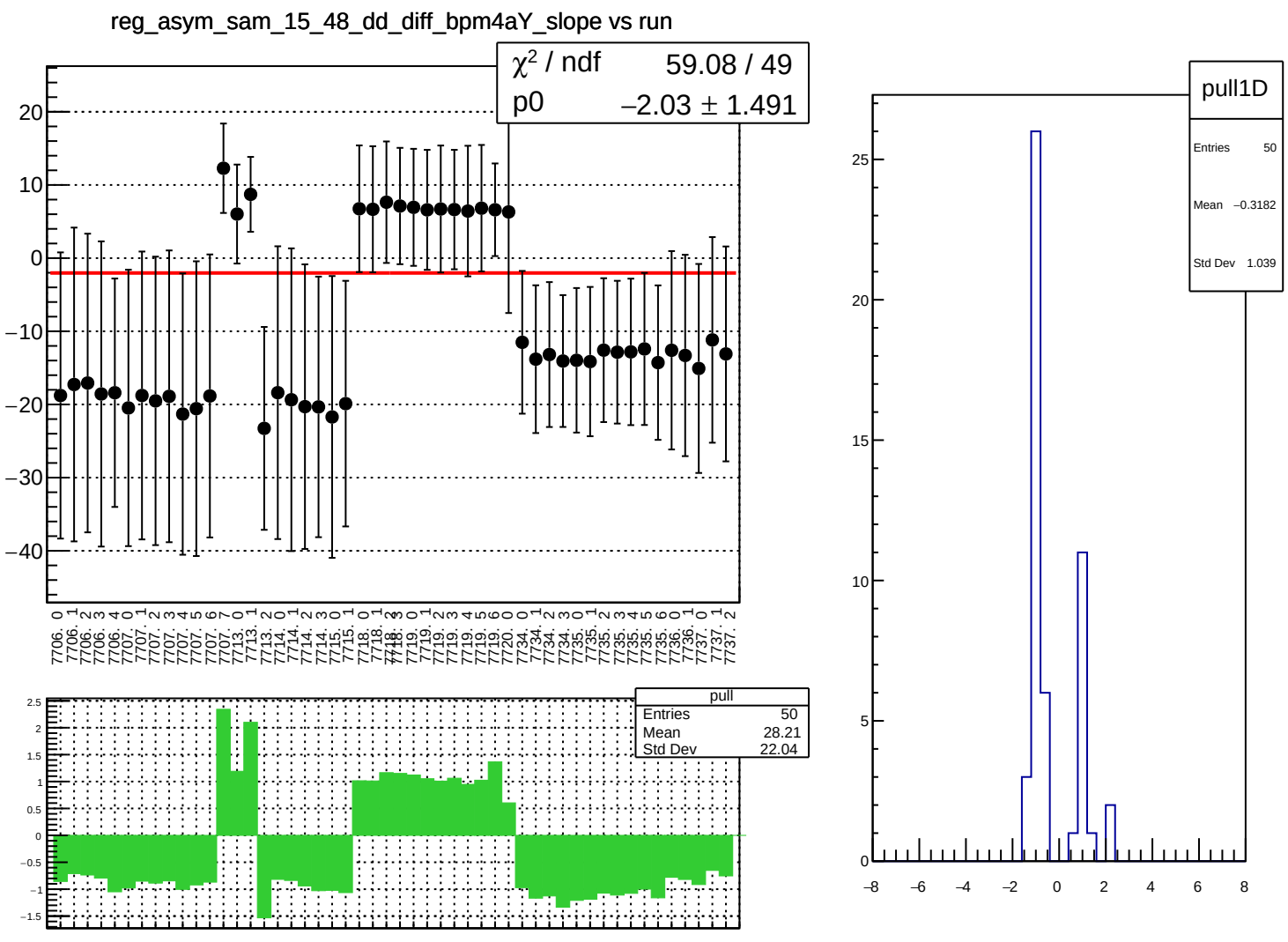

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.29 / 49
p0 −65.64 ± 1.487
pull
Entries 50
Mean 11.05
Std Dev 14.92
pull1D
Entries 50
Mean 0.4747
Std Dev 1.175

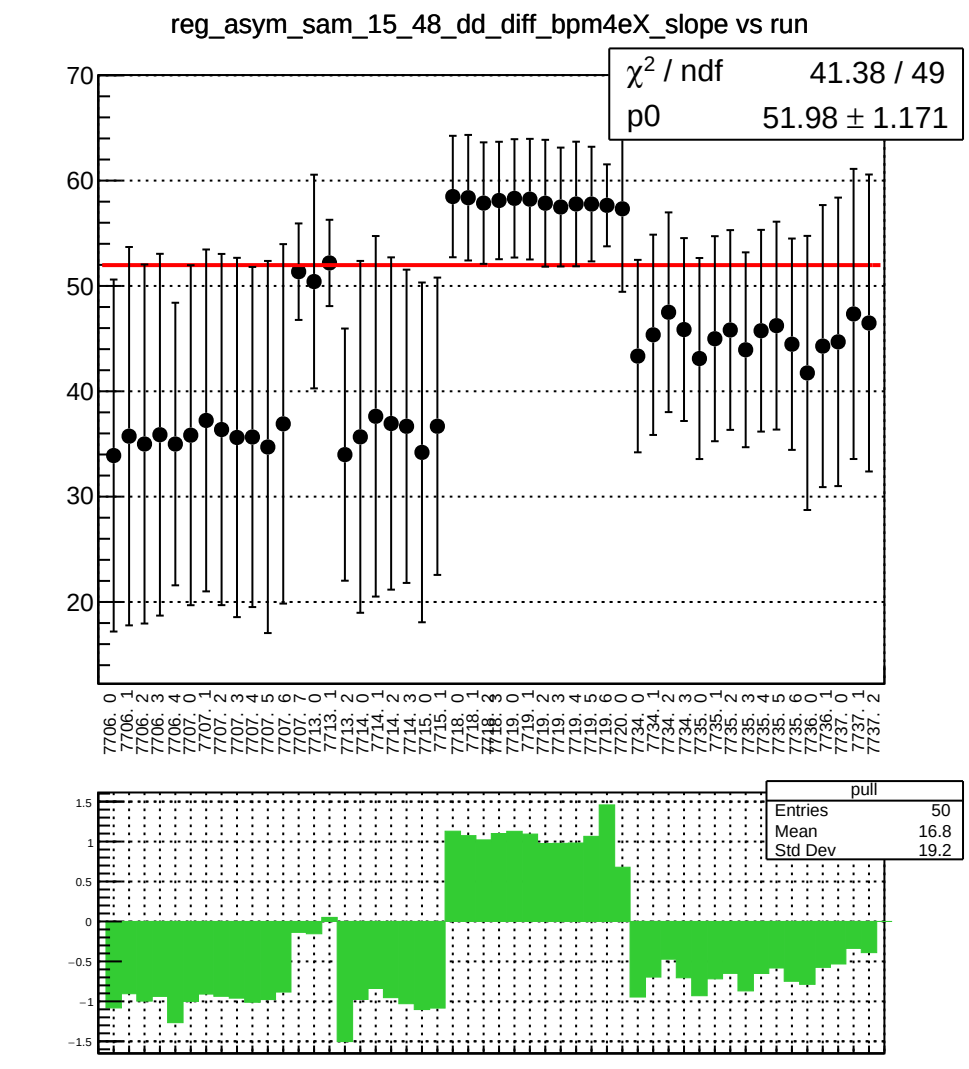

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.715 / 49
p0 −6.57 ± 2.92
pull
Entries 50
Mean 42.86
Std Dev 11.91
pull1D
Entries 50
Mean 0.1234
Std Dev 0.4232

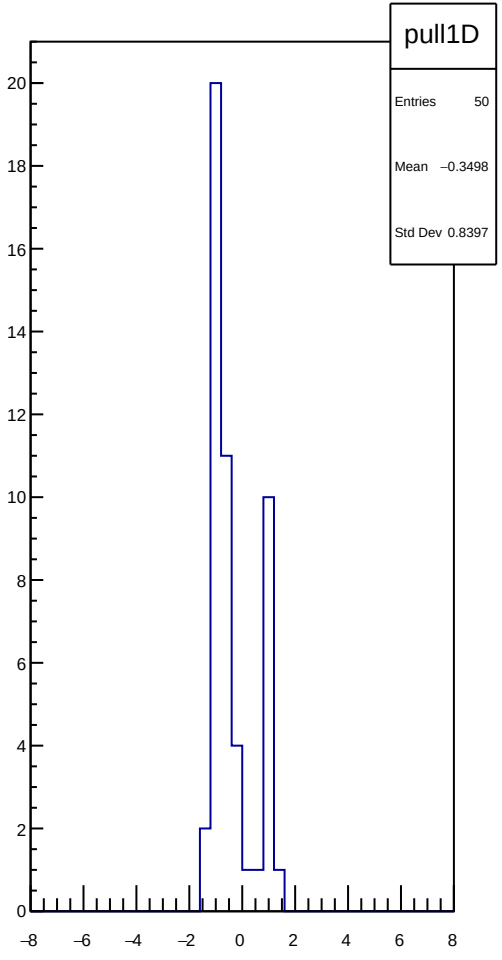

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 12.89 / 49
p0 0.05666 ± 0.1219
pull
Entries 50
Mean −196.5
Std Dev 229.3
pull1D
Entries 50
Mean 0.01452
Std Dev 0.5075

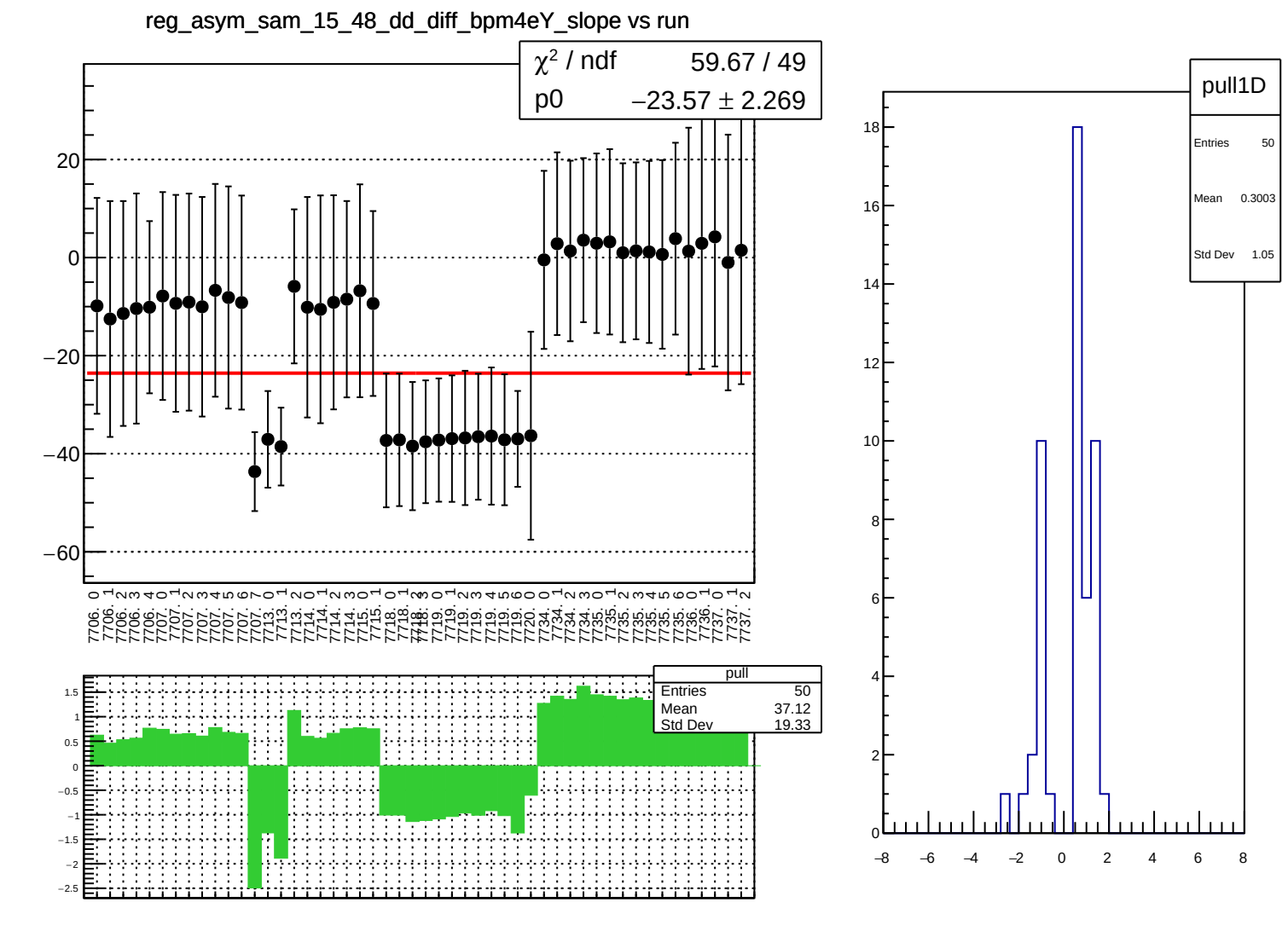

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 51.4 / 49
p0 1.294 ± 1.351
pull
Entries 50
Mean 22.51
Std Dev 22.98

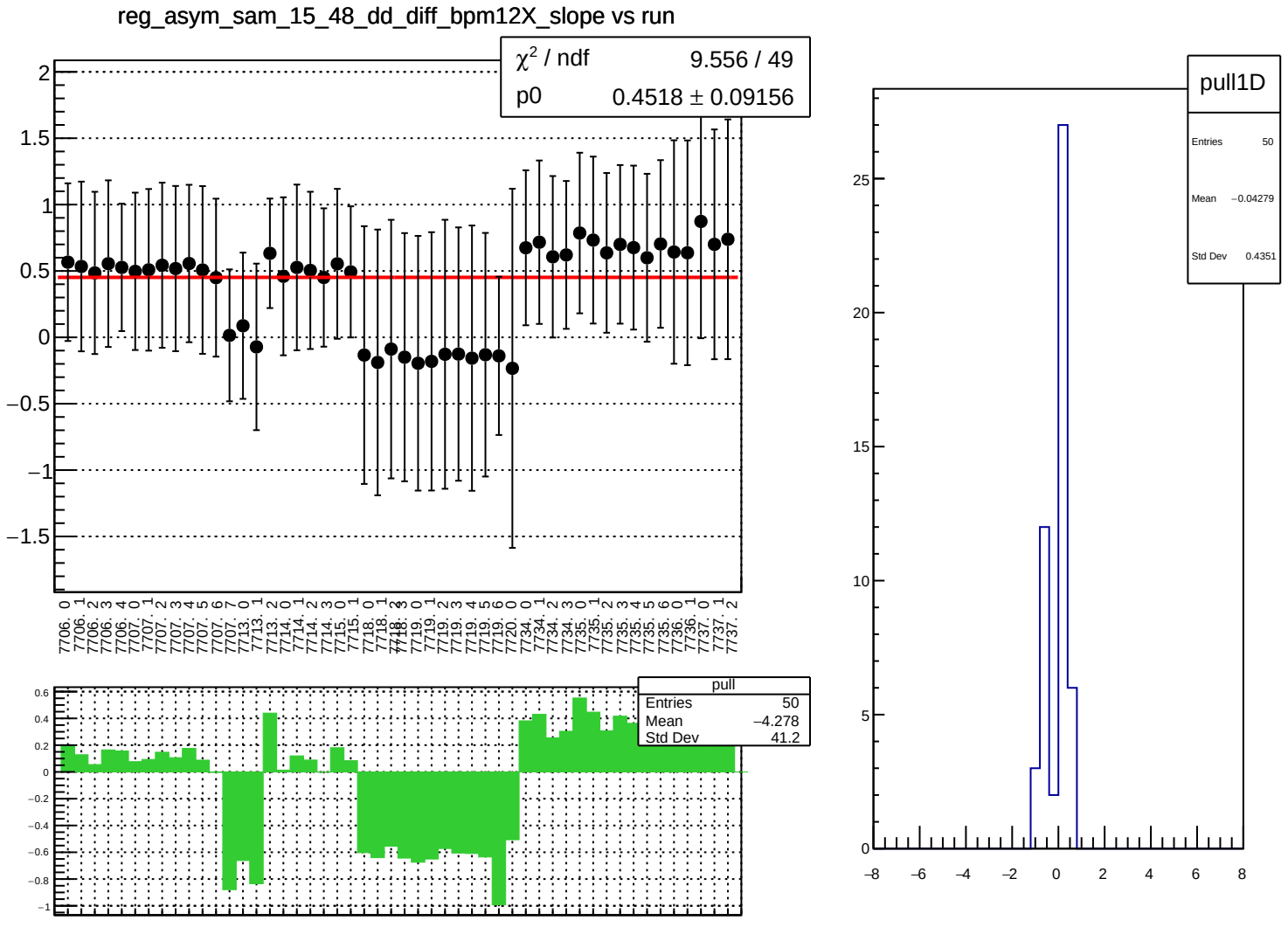

pull1D
Entries 50
Mean 0.3033
Std Dev 0.9675

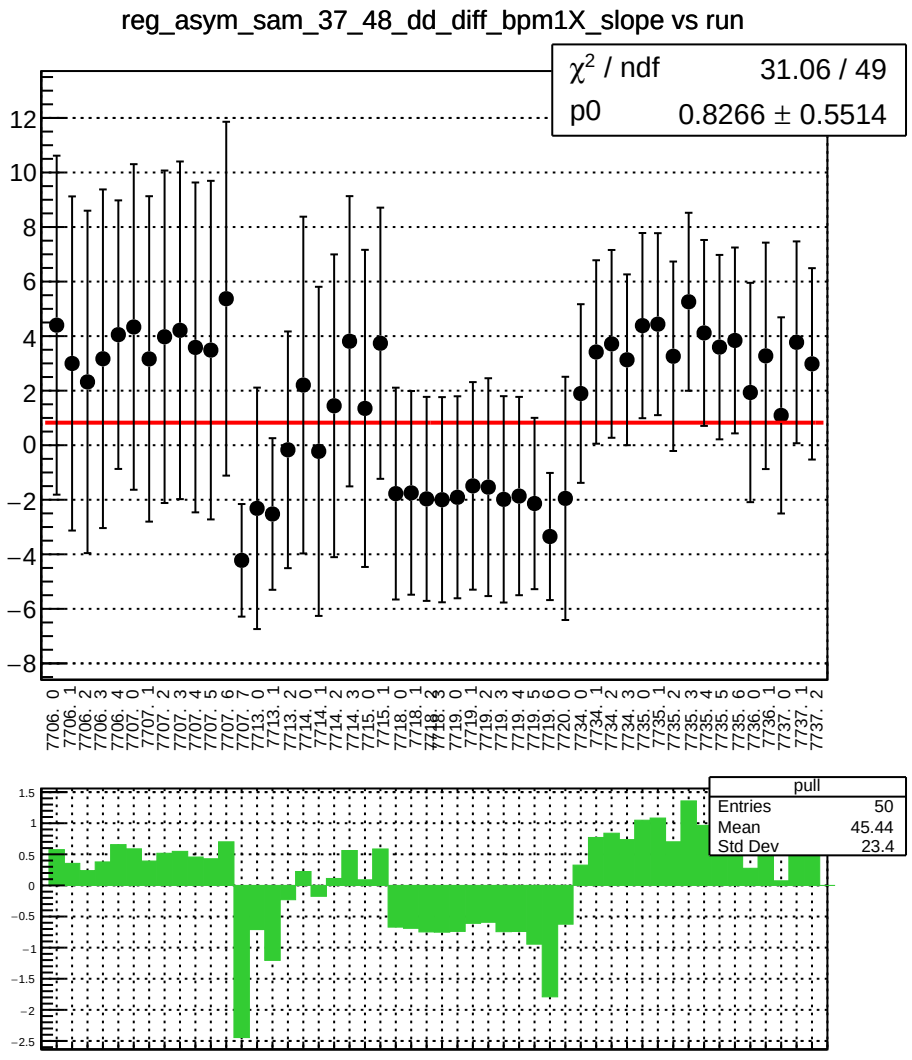

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.08 / 49
p0 −2.03 ± 1.491
pull
Entries 50
Mean 28.21
Std Dev 22.04
pull1D
Entries 50
Mean −0.3182
Std Dev 1.039

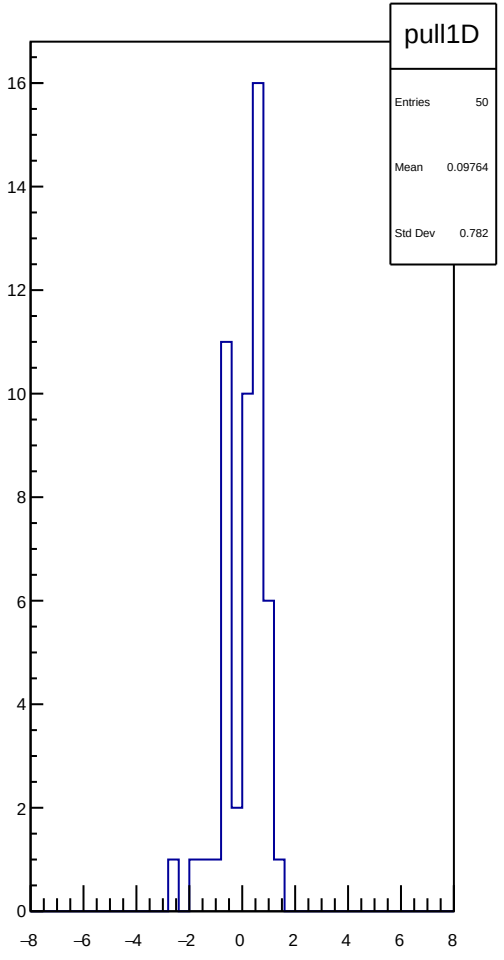

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 41.38 / 49
p0 51.98 ± 1.171
pull
Entries 50
Mean 16.8
Std Dev 19.2

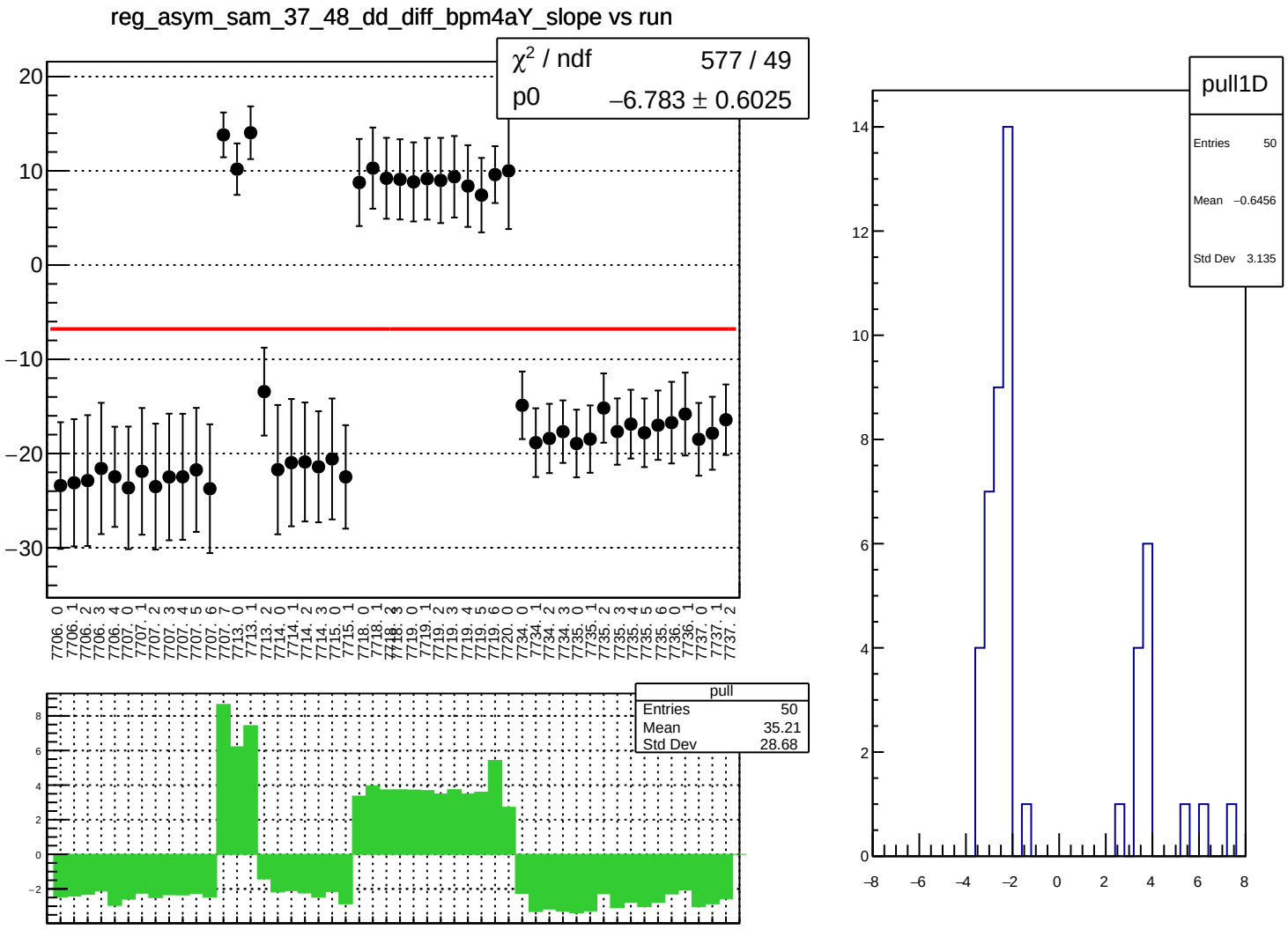

pull1D
Entries 50
Mean −0.3498
Std Dev 0.8397

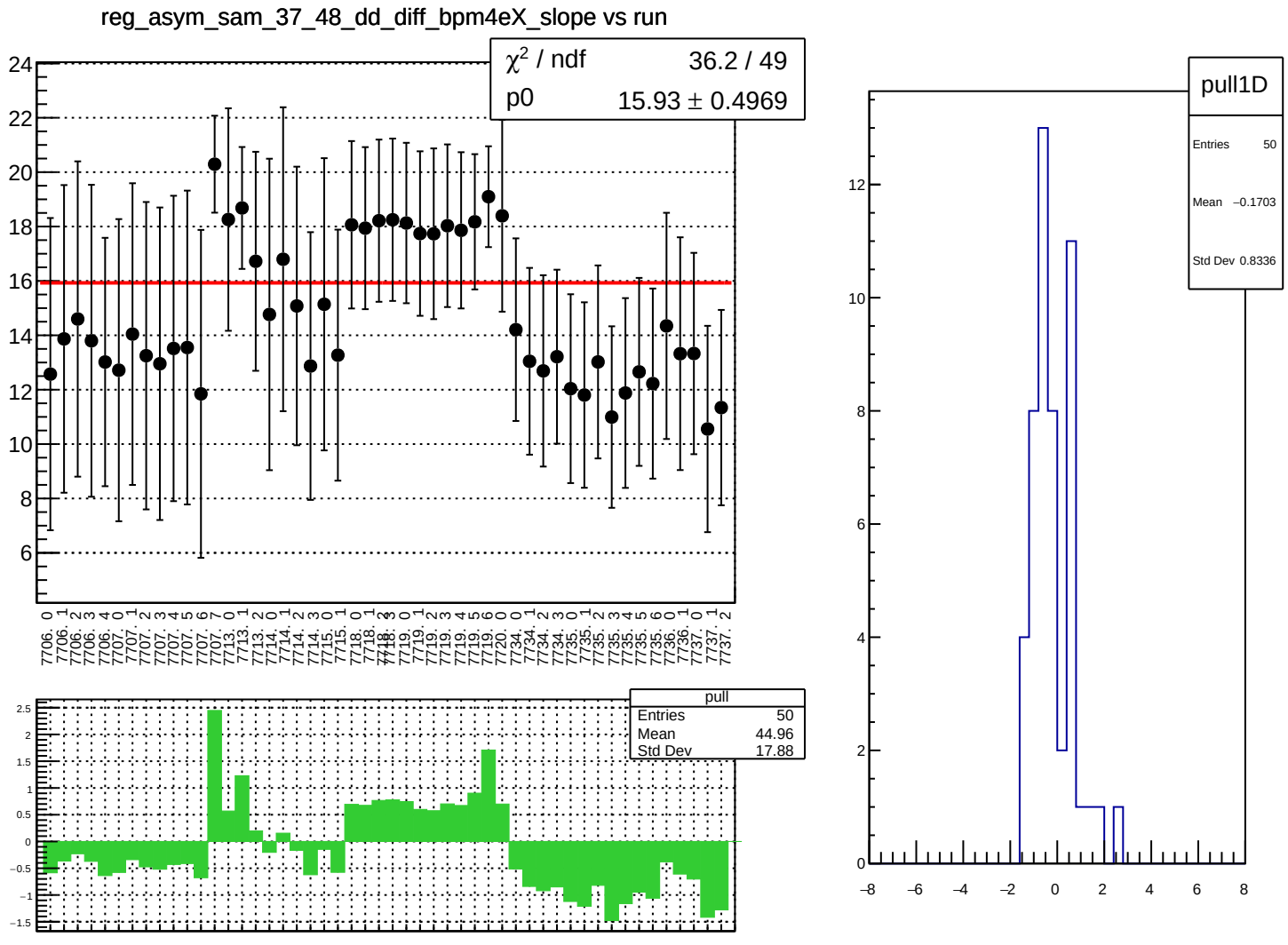

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.67 / 49
p0 −23.57 ± 2.269
pull
Entries 50
Mean 37.12
Std Dev 19.33
pull1D
Entries 50
Mean 0.3003
Std Dev 1.05

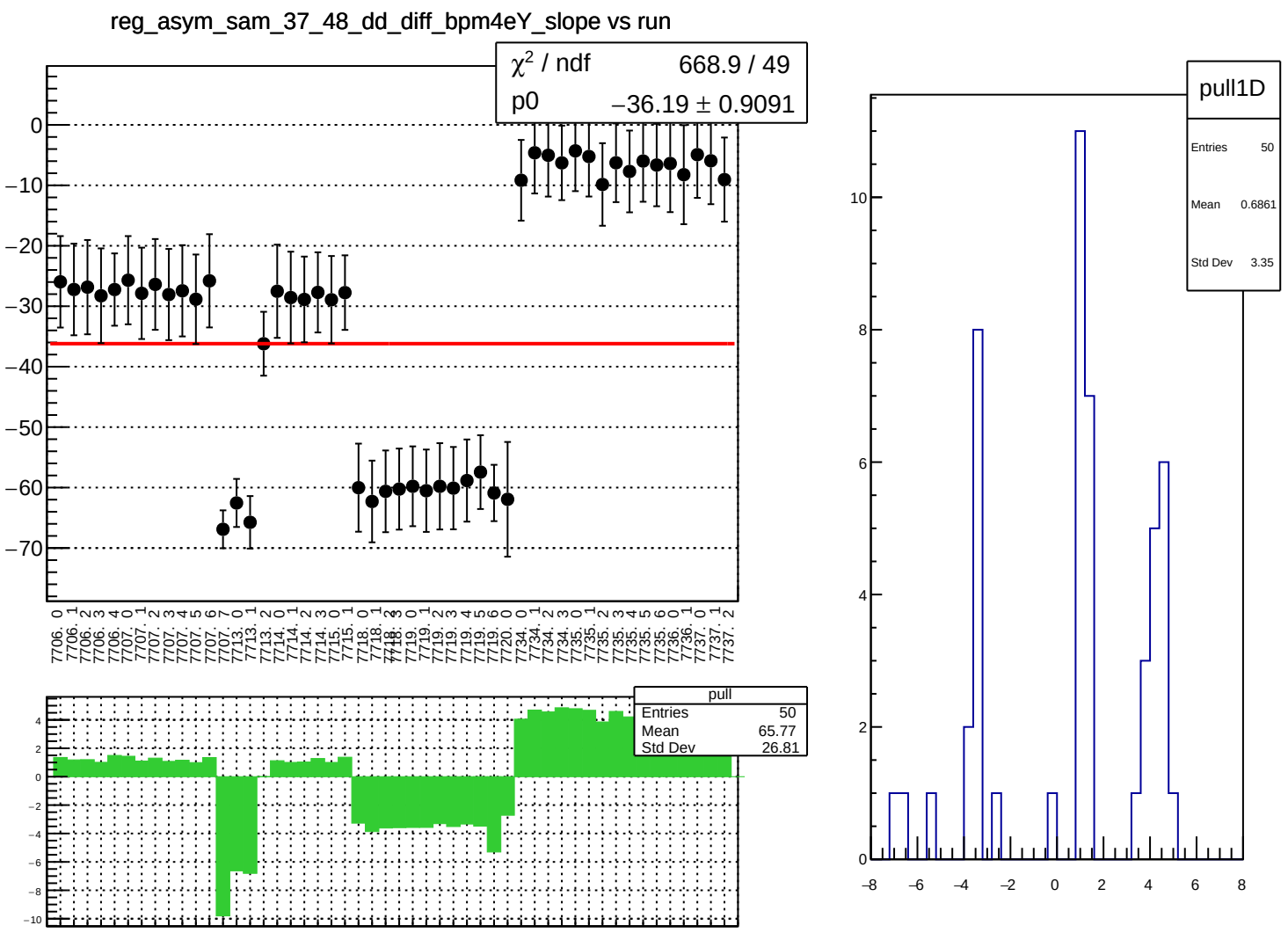

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.556 / 49
p0 0.4518 ± 0.09156
pull
Entries 50
Mean −4.278
Std Dev 41.2
pull1D
Entries 50
Mean −0.04279
Std Dev 0.4351

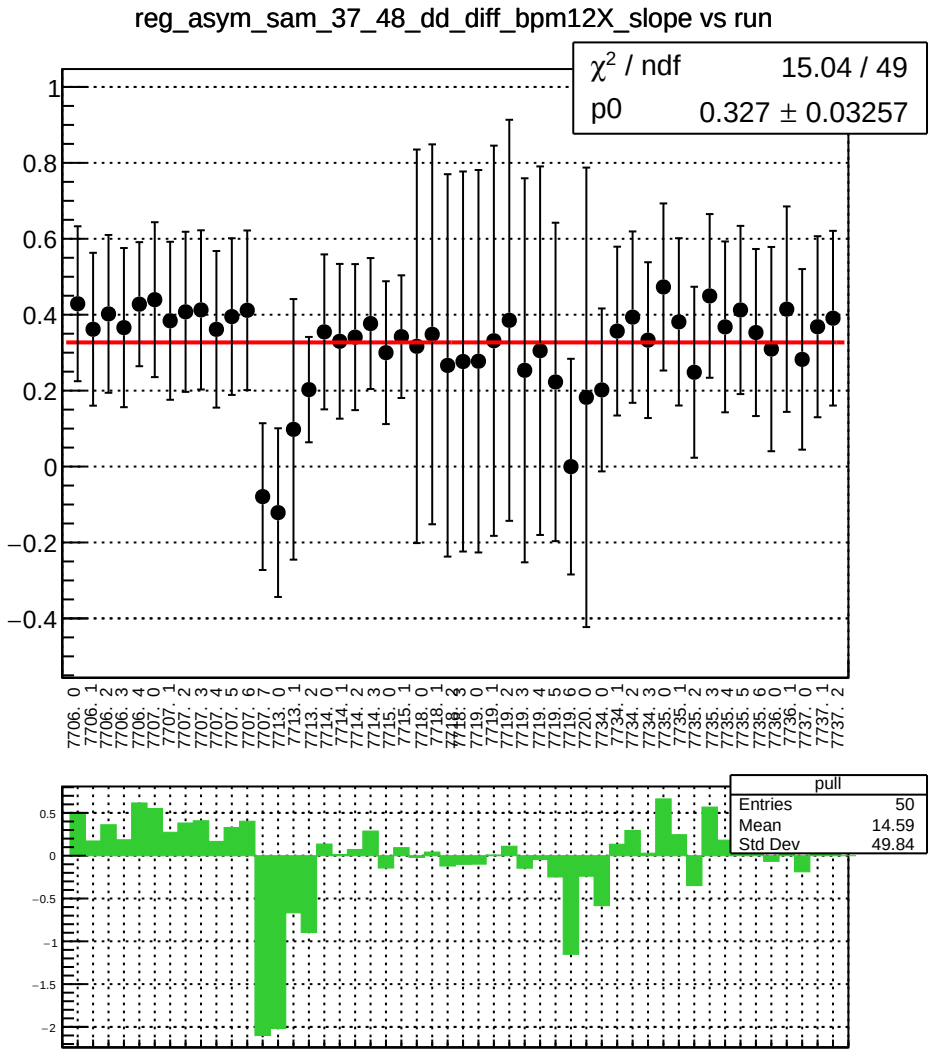

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 31.06 / 49
p0 0.8266 ± 0.5514
pull
Entries 50
Mean 45.44
Std Dev 23.4

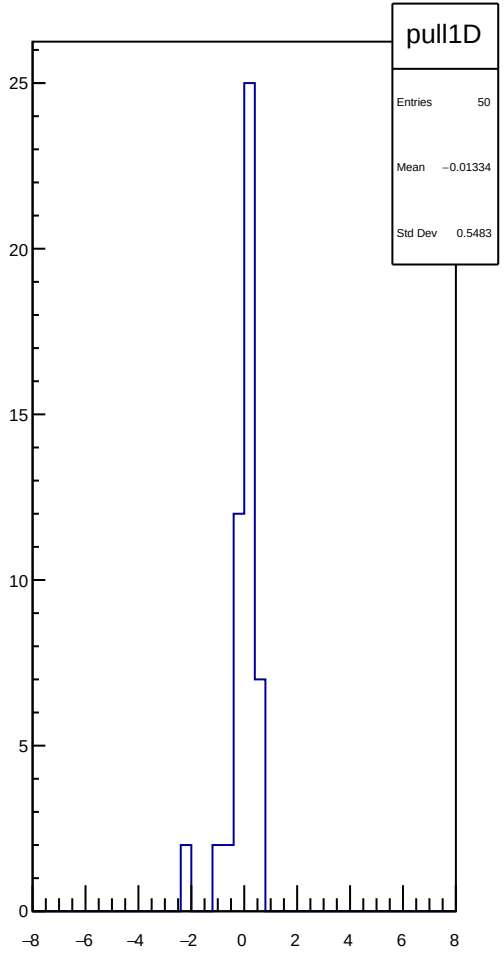

pull1D
Entries 50
Mean 0.09764
Std Dev 0.782

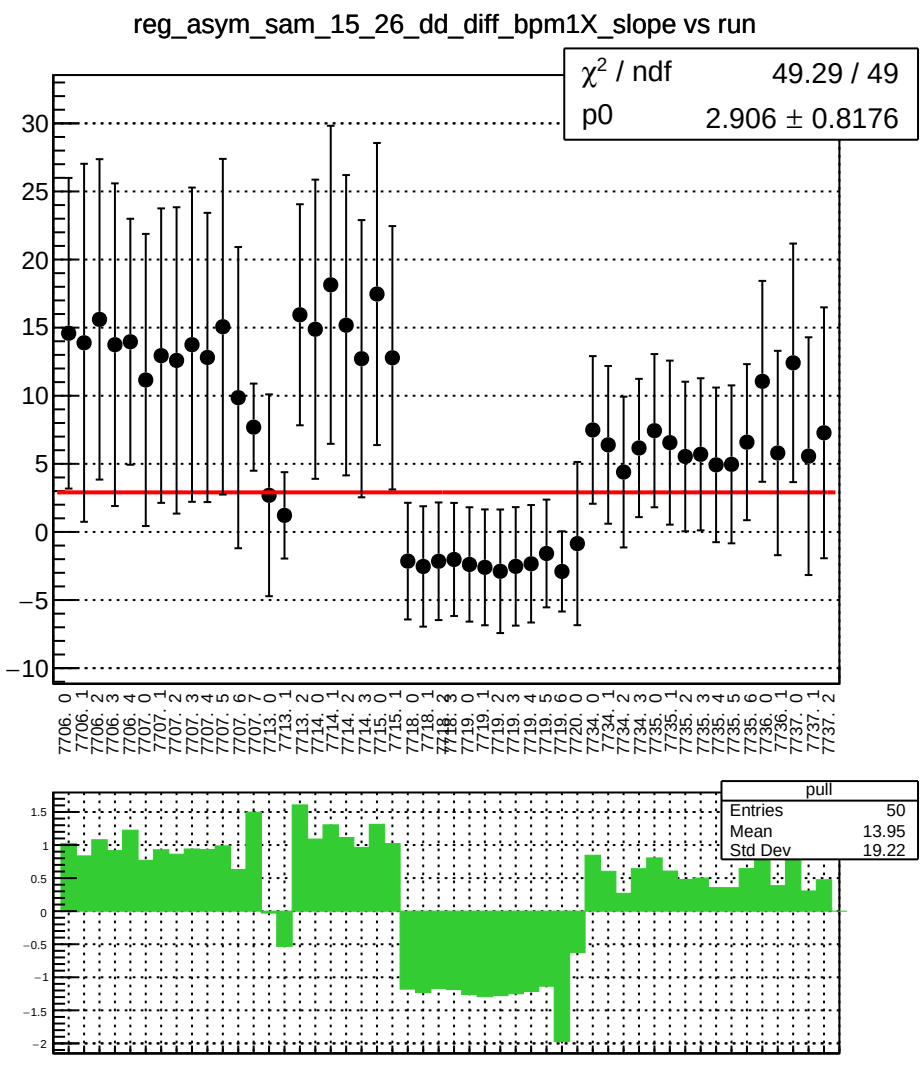

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 577 / 49
p0 −6.783 ± 0.6025
20
10
0
−10
−20
−30
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 35.21
Std Dev 28.68
8
6
4
2
0
−2
pull1D
Entries 50
Mean −0.6456
Std Dev 3.135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

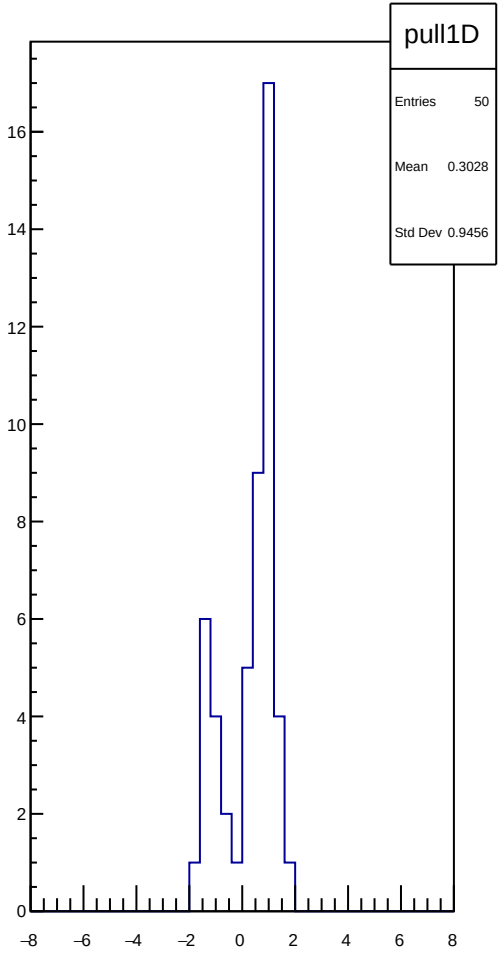

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.2 / 49
p0 15.93 ± 0.4969
pull
Entries 50
Mean 44.96
Std Dev 17.88
pull1D
Entries 50
Mean −0.1703
Std Dev 0.8336

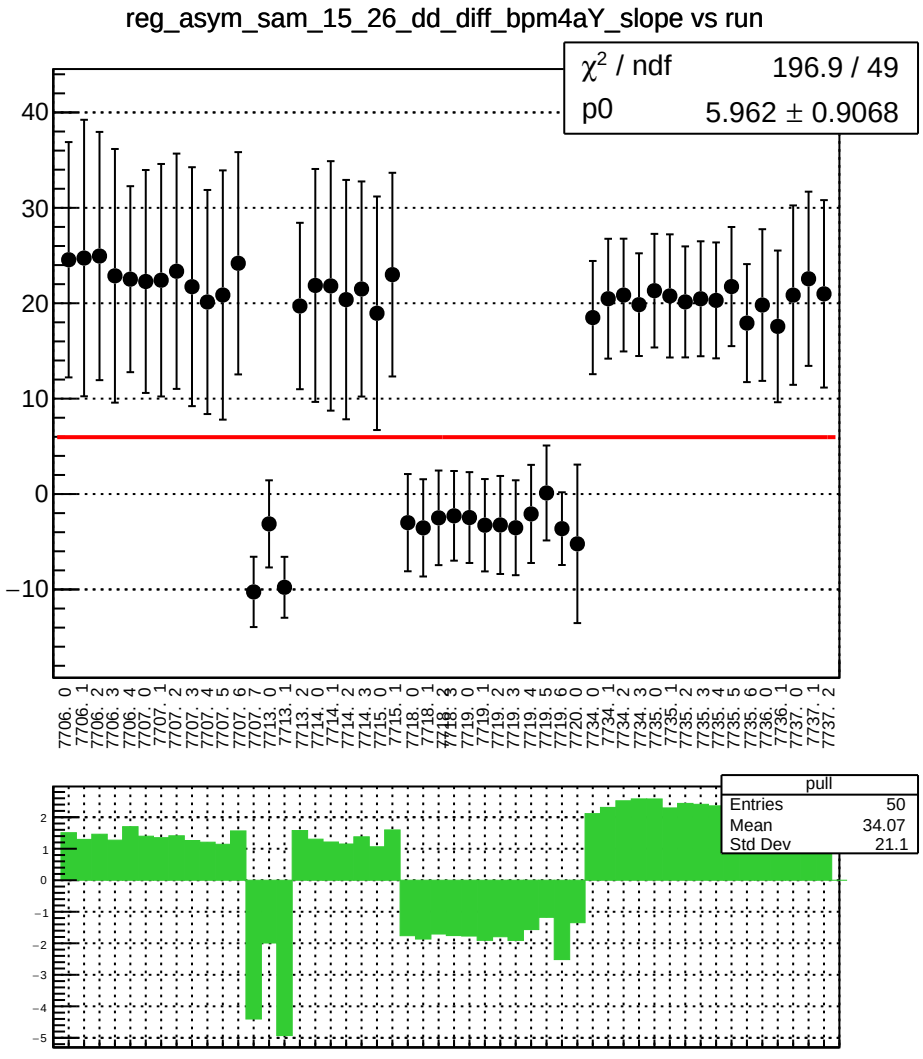

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 668.9 / 49
p0 −36.19 ± 0.9091
pull
Entries 50
Mean 65.77
Std Dev 26.81
pull1D
Entries 50
Mean 0.6861
Std Dev 3.35

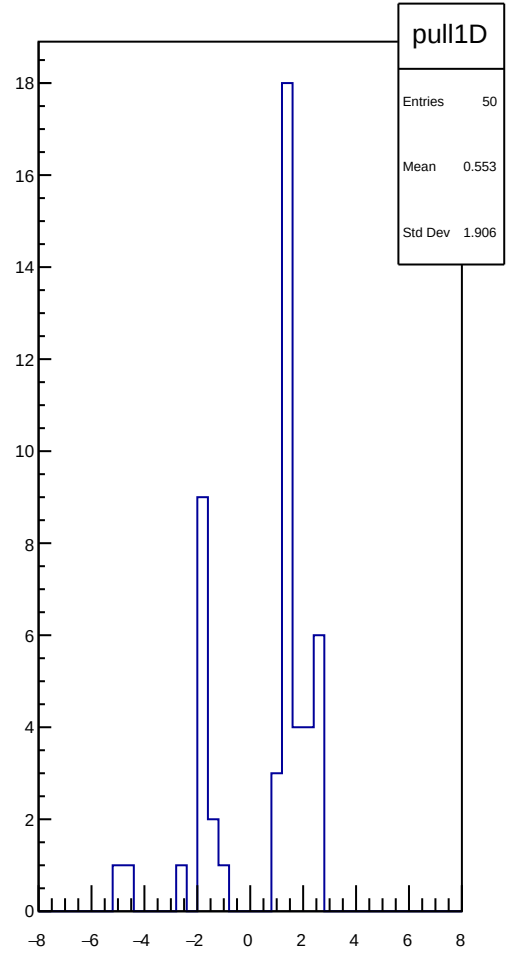

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.04 / 49
p0 0.327 ± 0.03257
pull
Entries 50
Mean 14.59
Std Dev 49.84

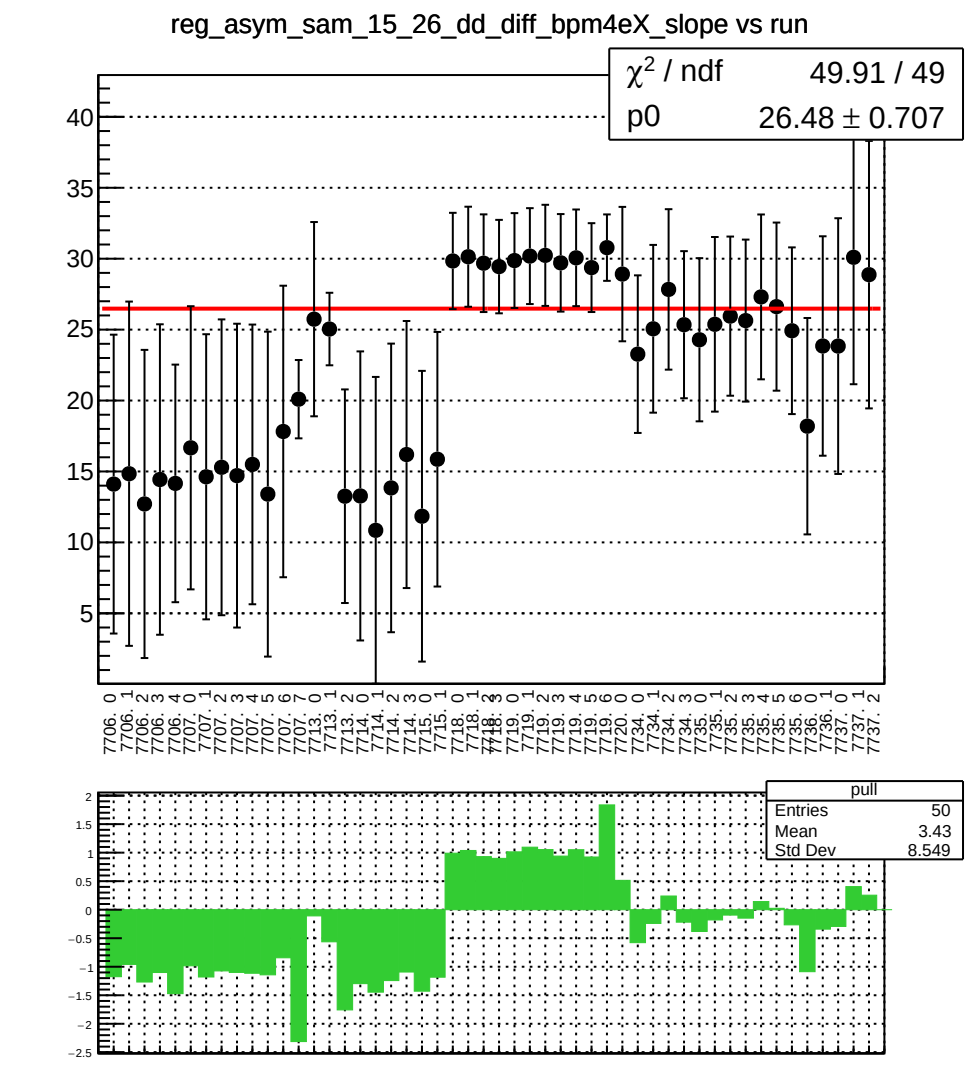

pull1D
Entries 50
Mean −0.01334
Std Dev 0.5483

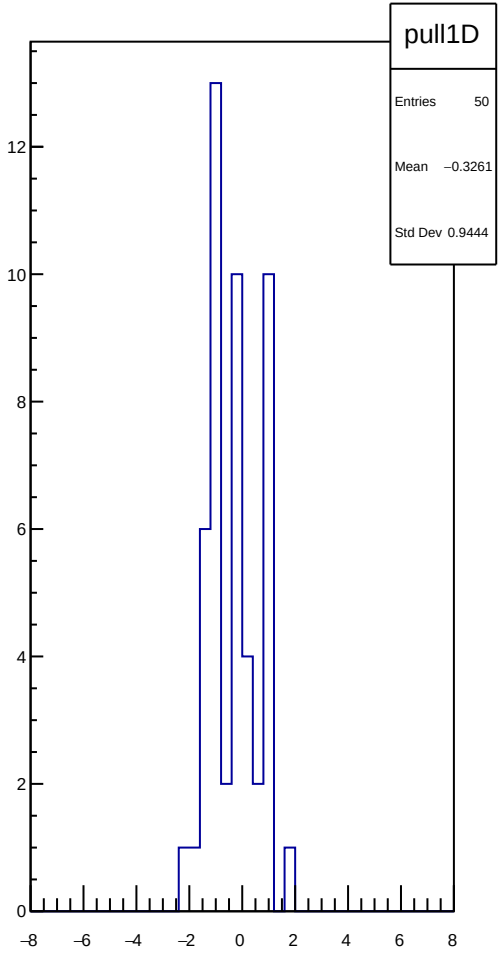

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 49.29 / 49
p0 2.906 ± 0.8176
pull
Entries 50
Mean 13.95
Std Dev 19.22

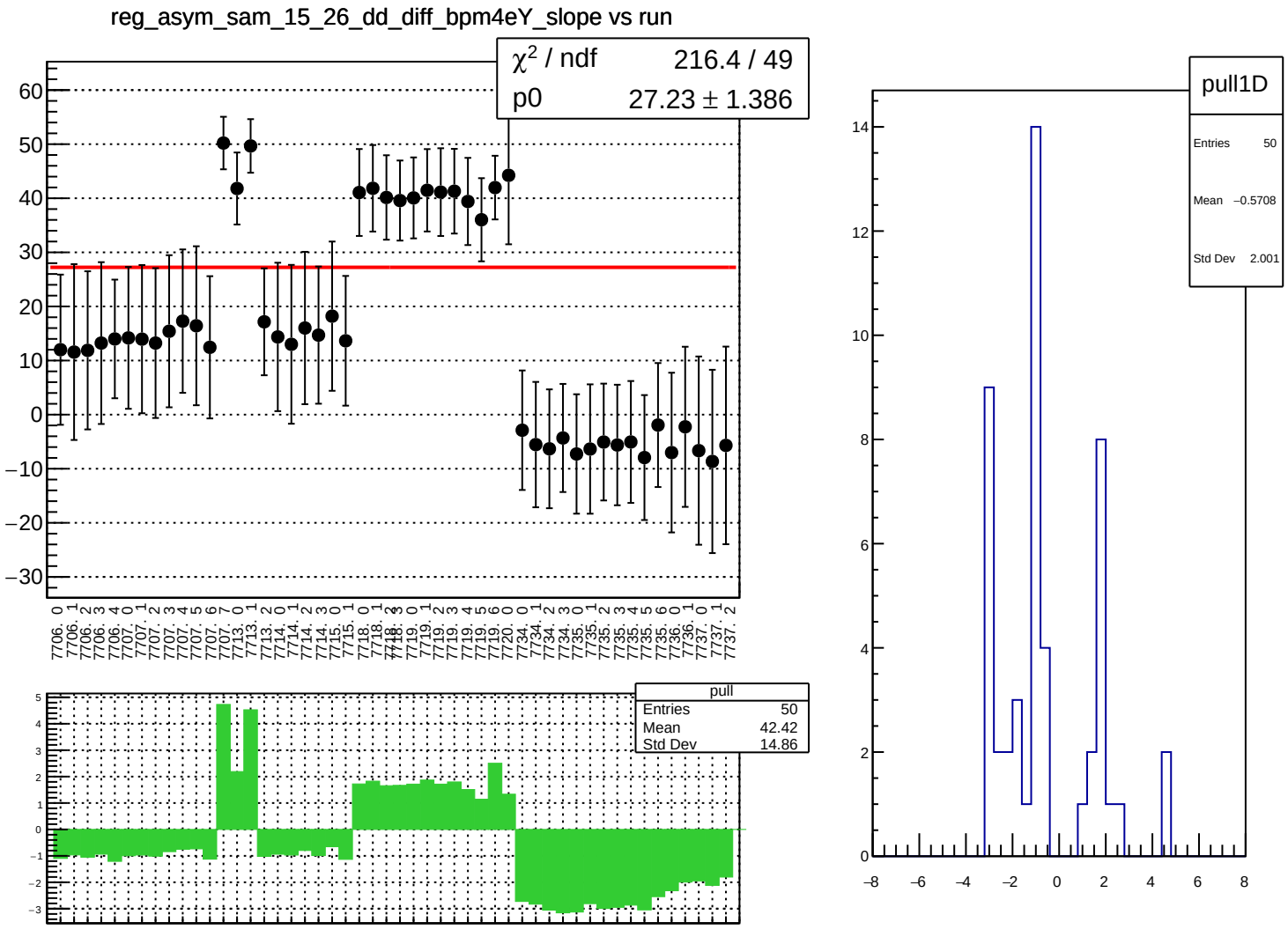

pull1D
Entries 50
Mean 0.3028
Std Dev 0.9456

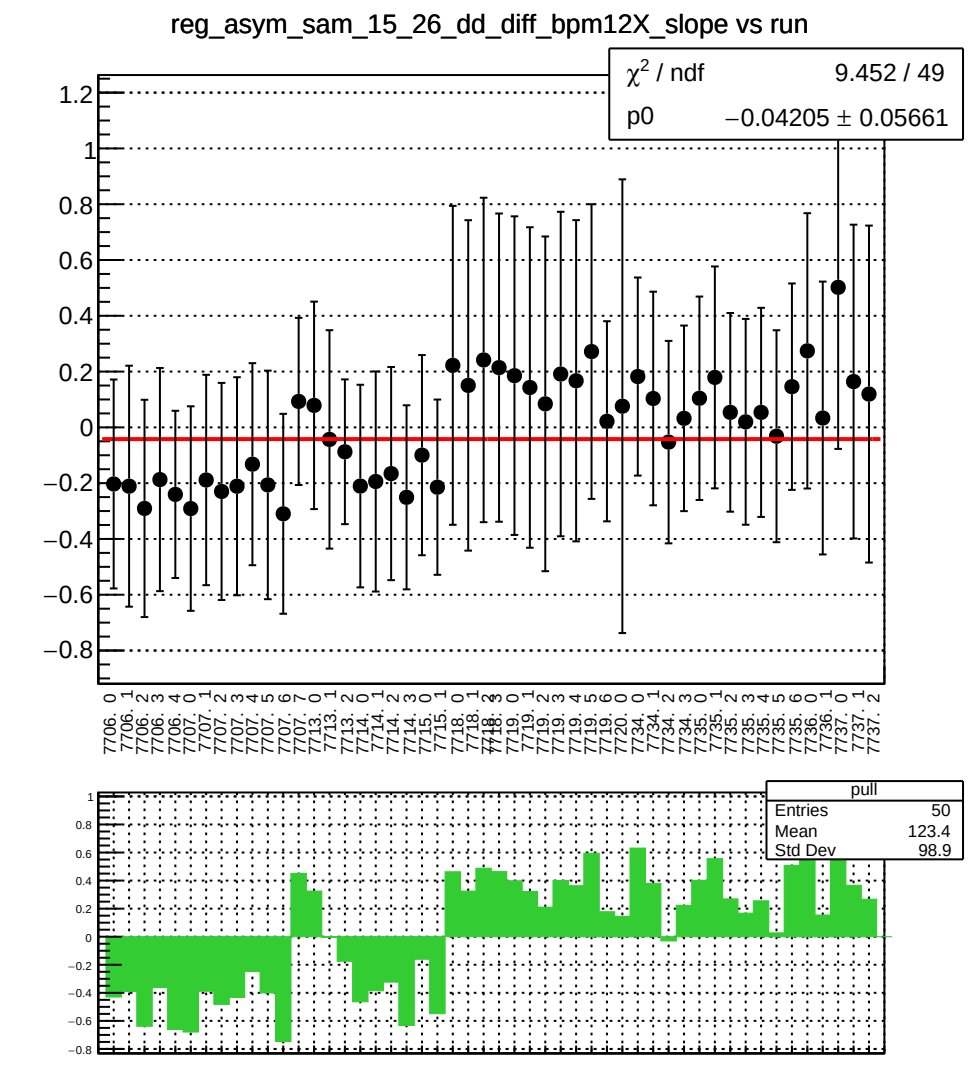

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 196.9 / 49
p0 5.962 ± 0.9068
pull
Entries 50
Mean 34.07
Std Dev 21.1

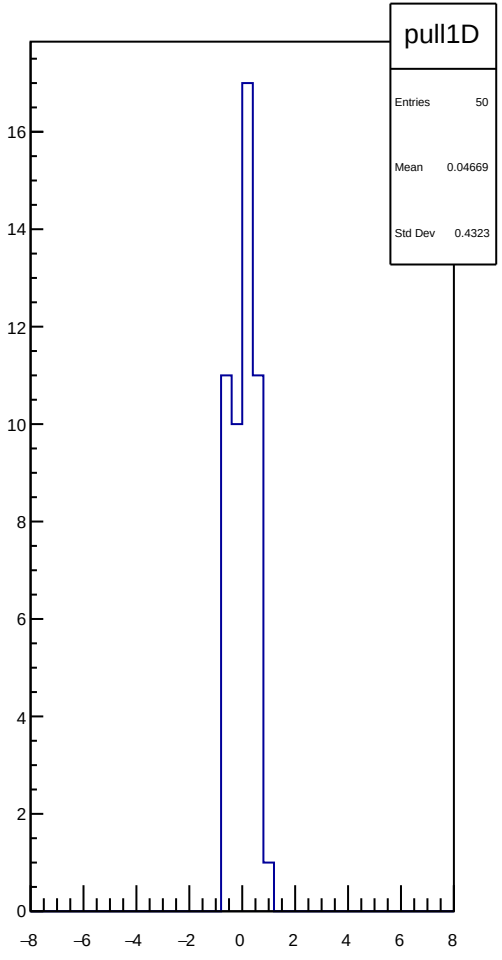

pull1D
Entries 50
Mean 0.553
Std Dev 1.906

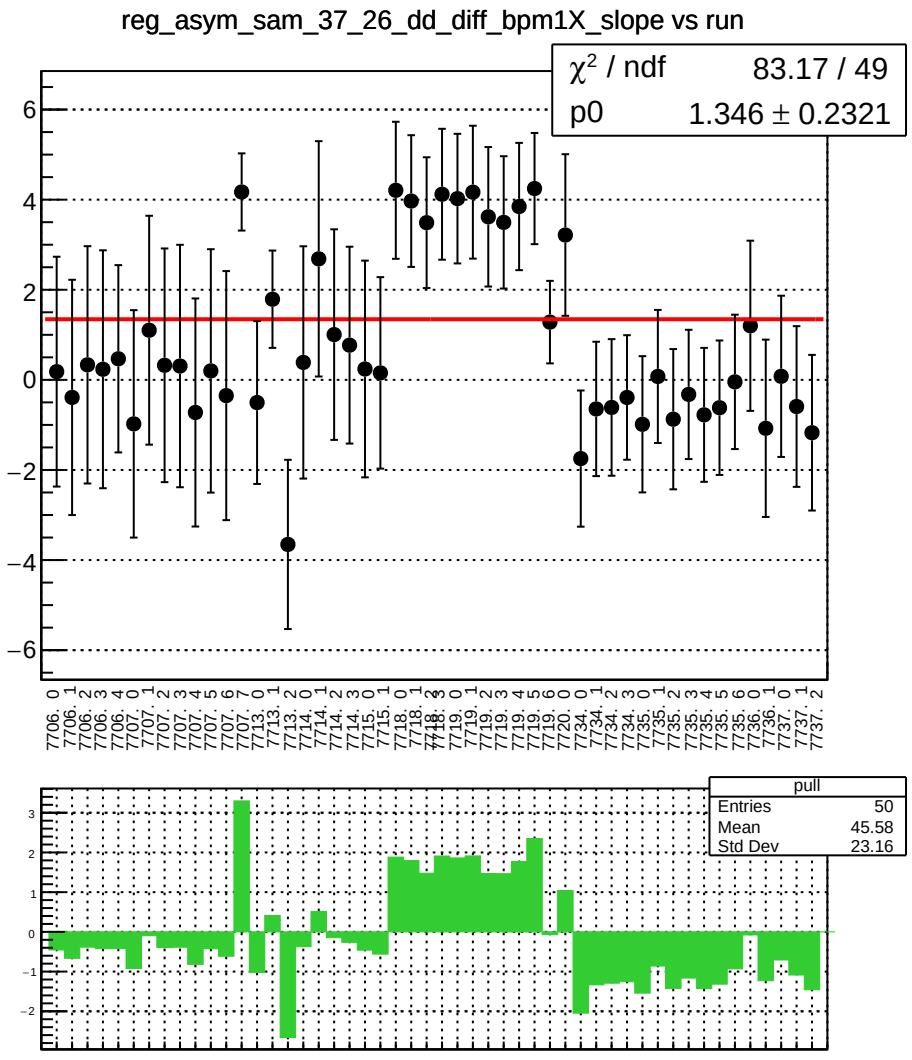

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.91 / 49
p0 26.48 ± 0.707
pull
Entries 50
Mean 3.43
Std Dev 8.549

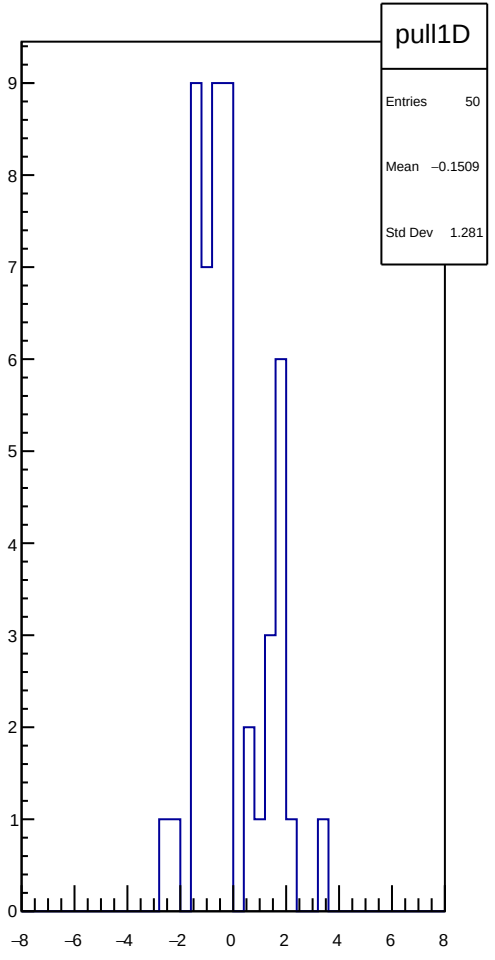

pull1D
Entries 50
Mean −0.3261
Std Dev 0.9444

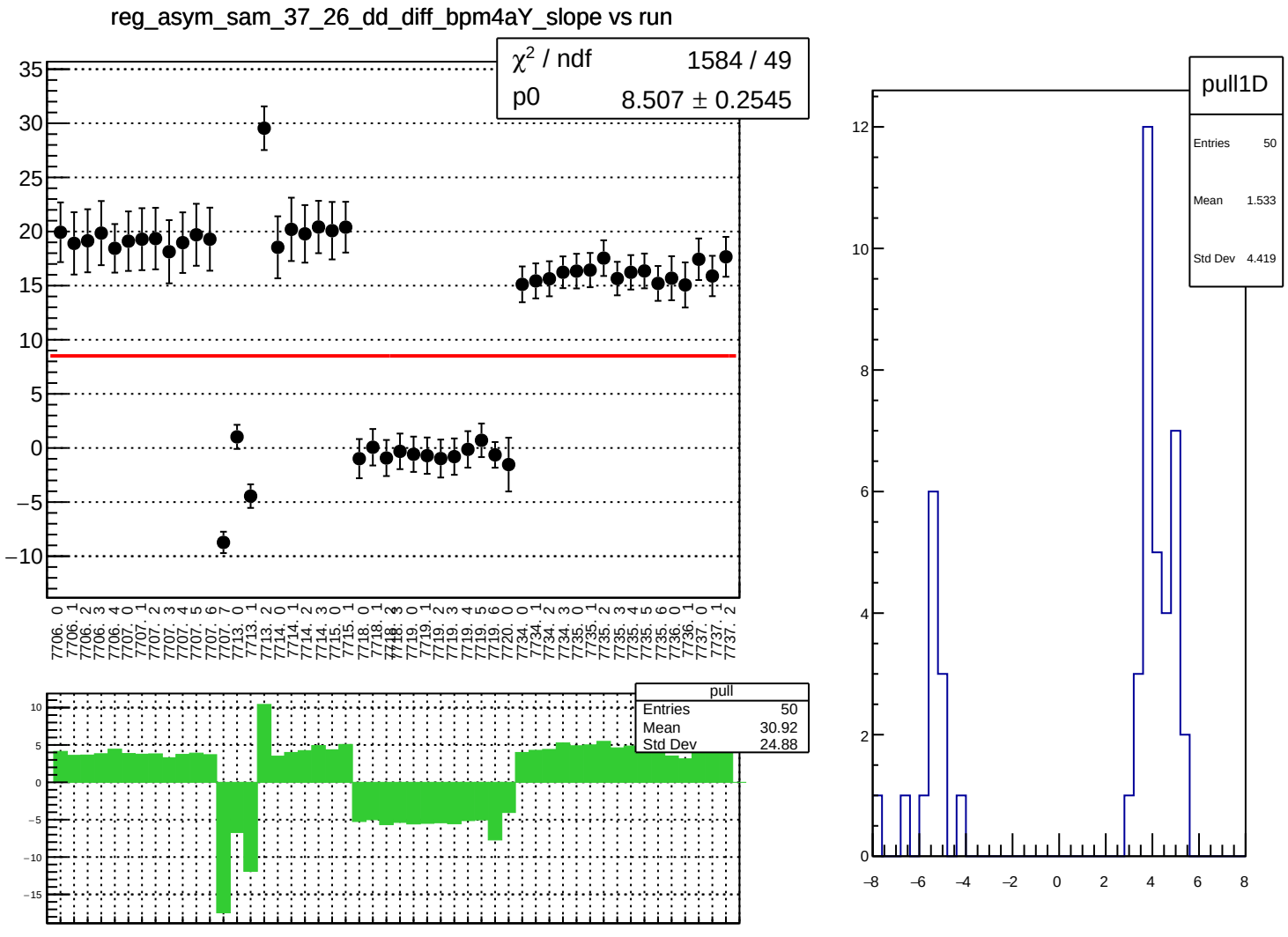

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 216.4 / 49
p0 27.23 ± 1.386
pull
Entries 50
Mean 42.42
Std Dev 14.86
pull1D
Entries 50
Mean −0.5708
Std Dev 2.001

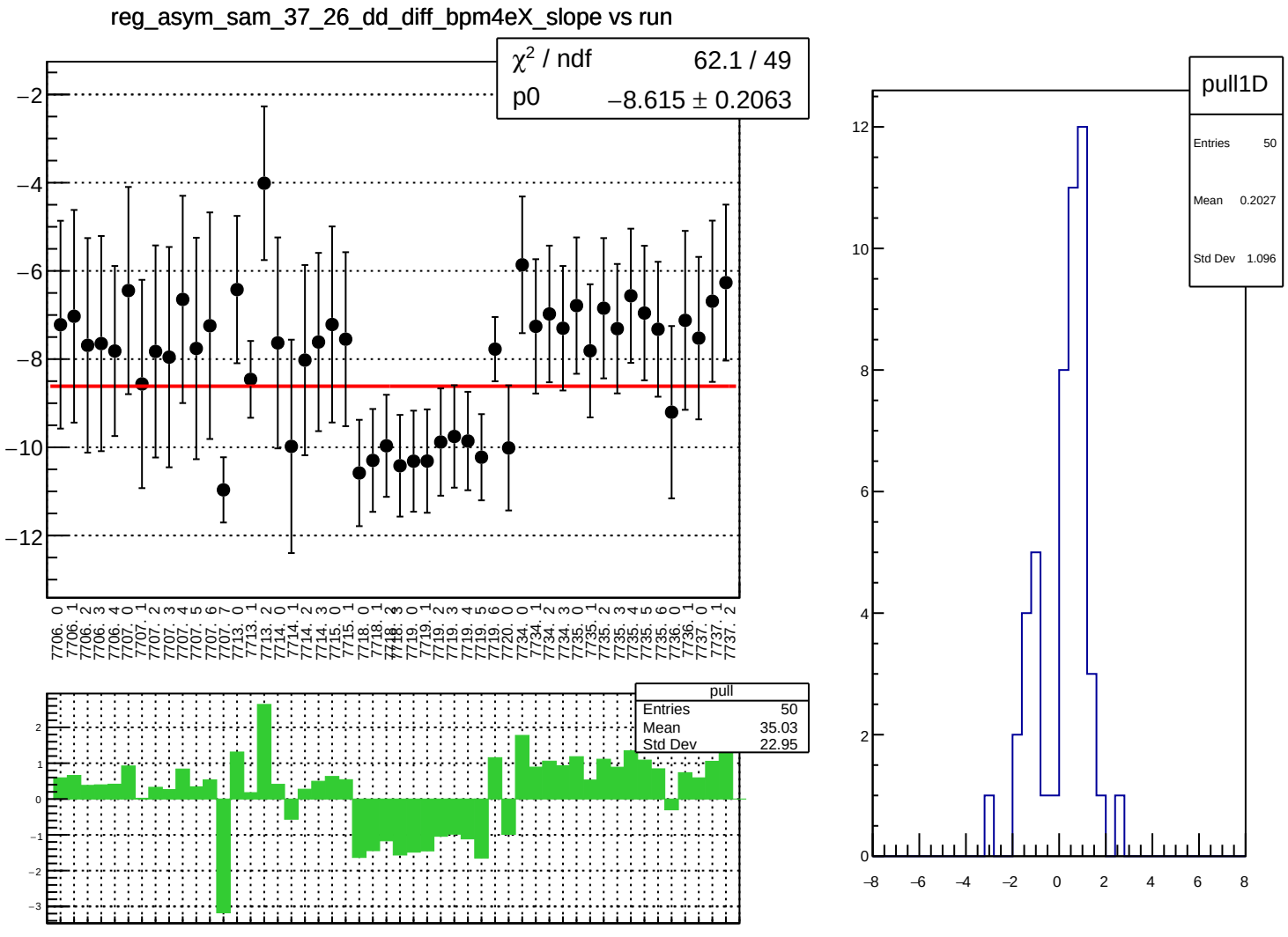

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 9.452 / 49
p0 −0.04205 ± 0.05661
pull
Entries 50
Mean 123.4
Std Dev 98.9

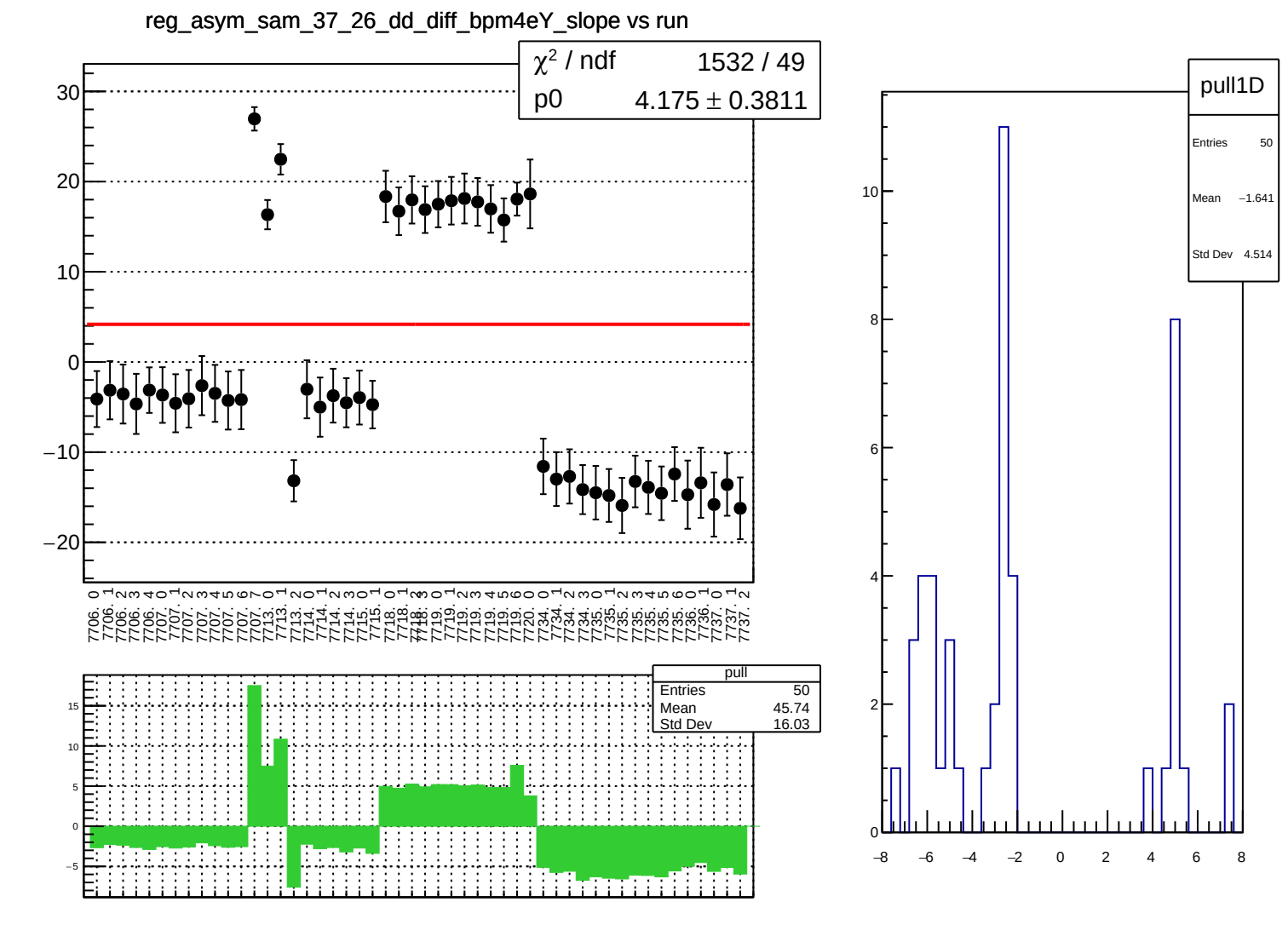

pull1D
Entries 50
Mean 0.04669
Std Dev 0.4323

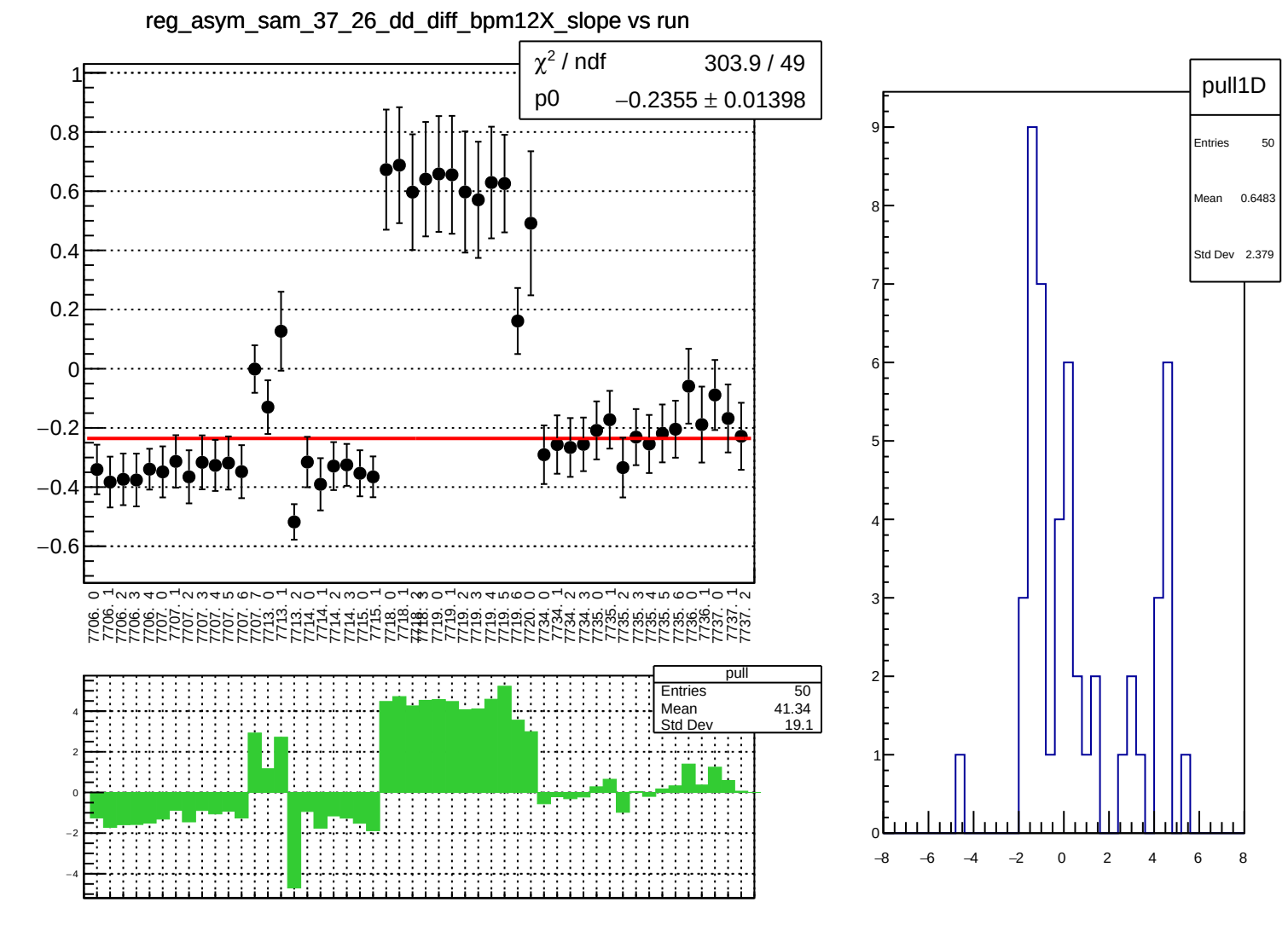

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 83.17 / 49
p0 1.346 ± 0.2321
pull
Entries 50
Mean 45.58
Std Dev 23.16

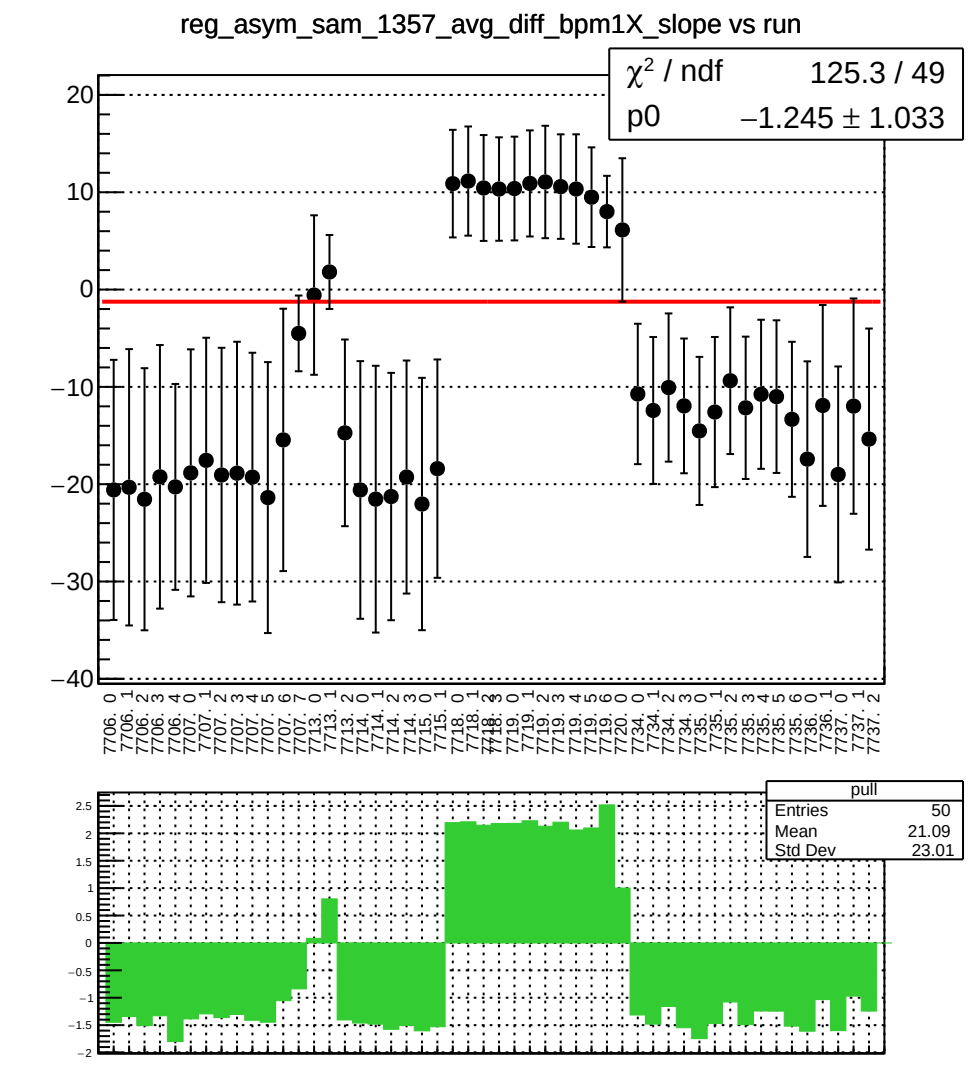

pull1D
Entries 50
Mean −0.1509
Std Dev 1.281

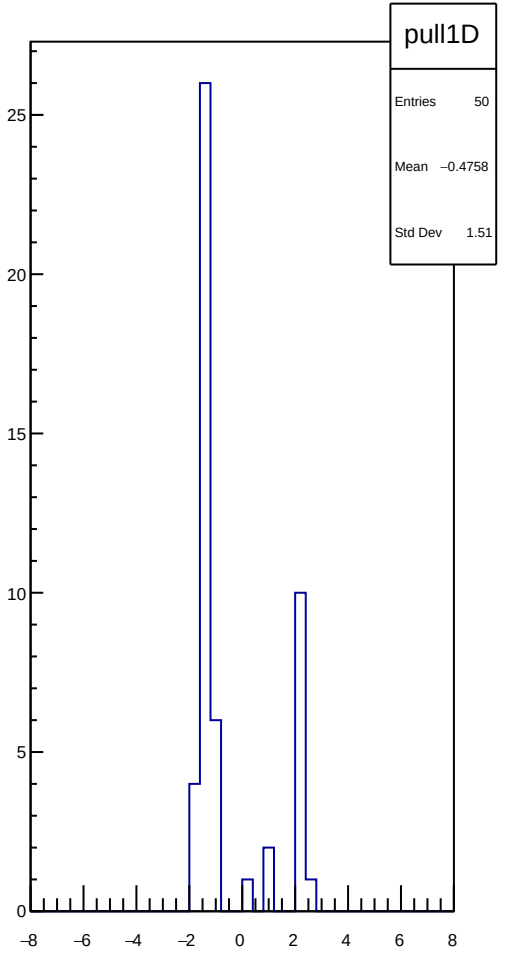

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1584 / 49
p0 8.507 ± 0.2545
pull
Entries 50
Mean 30.92
Std Dev 24.88
pull1D
Entries 50
Mean 1.533
Std Dev 4.419

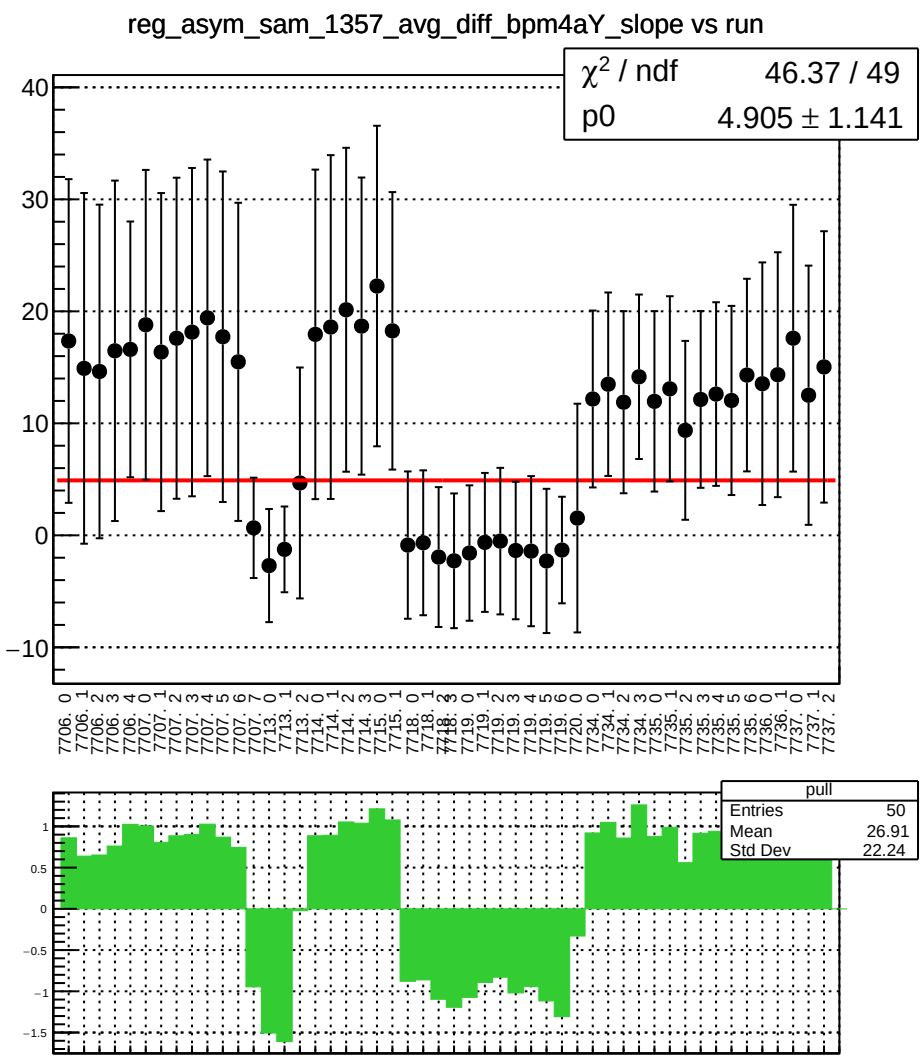

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.1 / 49
p0 −8.615 ± 0.2063
pull
Entries 50
Mean 35.03
Std Dev 22.95
pull1D
Entries 50
Mean 0.2027
Std Dev 1.096

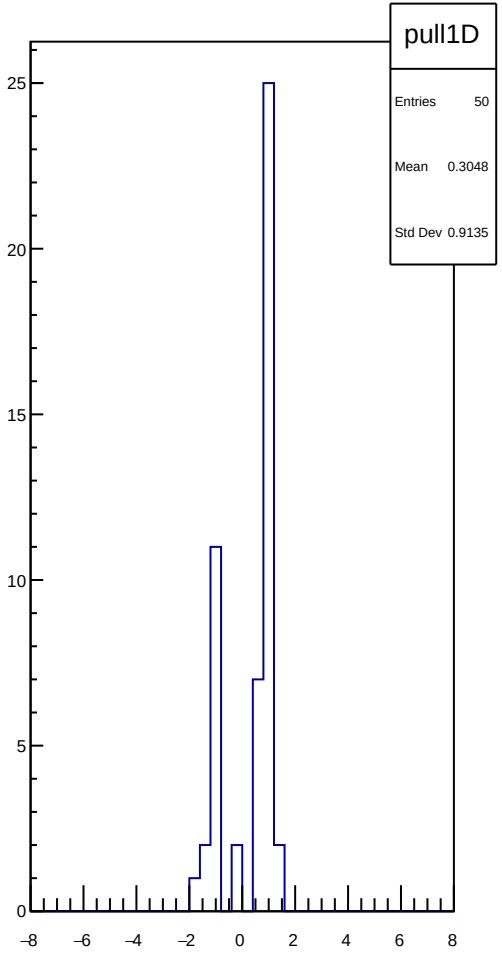

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1532 / 49
p0 4.175 ± 0.3811
pull
Entries 50
Mean 45.74
Std Dev 16.03
pull1D
Entries 50
Mean −1.641
Std Dev 4.514

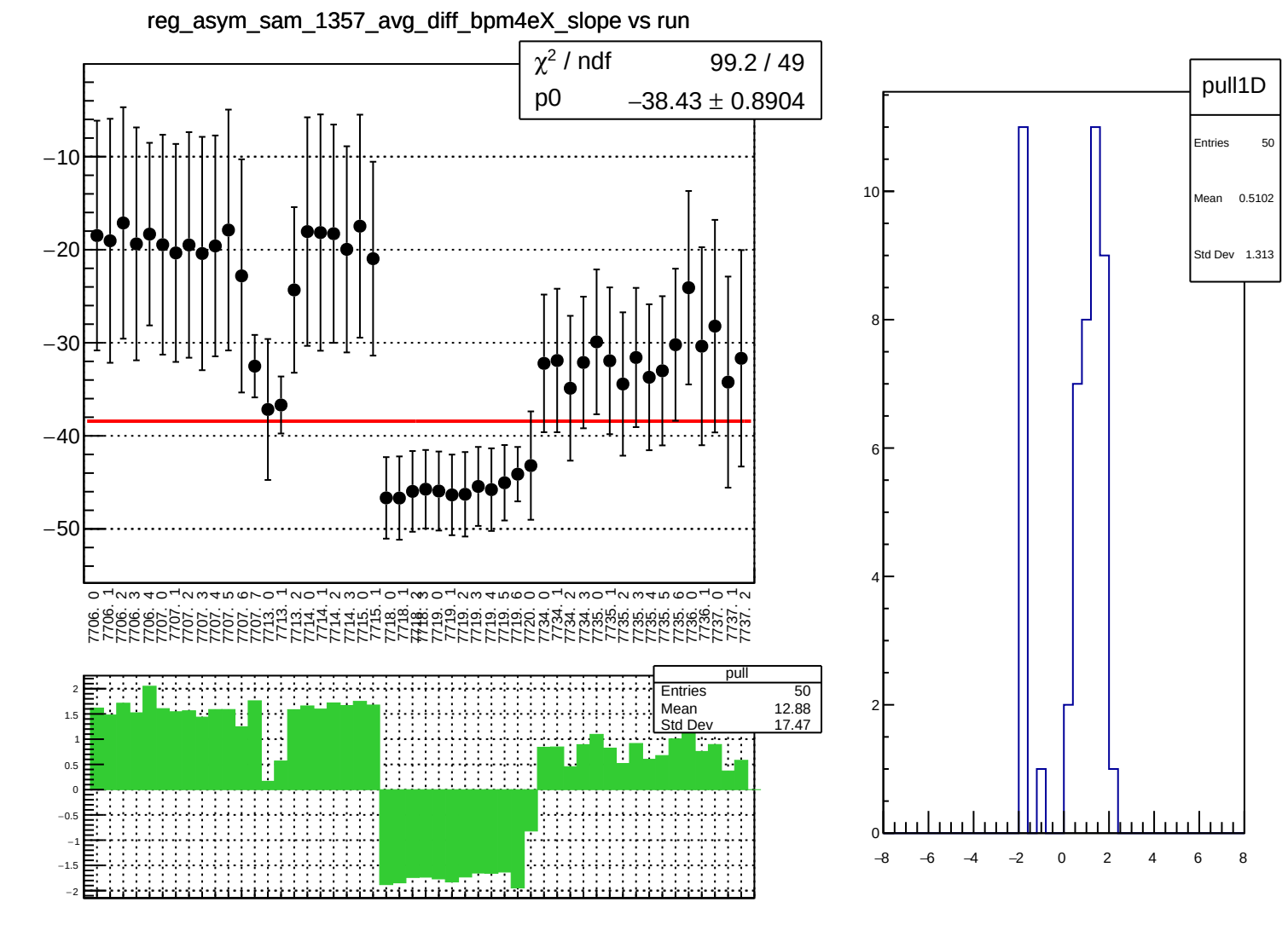

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 303.9 / 49
p0 −0.2355 ± 0.01398
pull
Entries 50
Mean 41.34
Std Dev 19.1
pull1D
Entries 50
Mean 0.6483
Std Dev 2.379

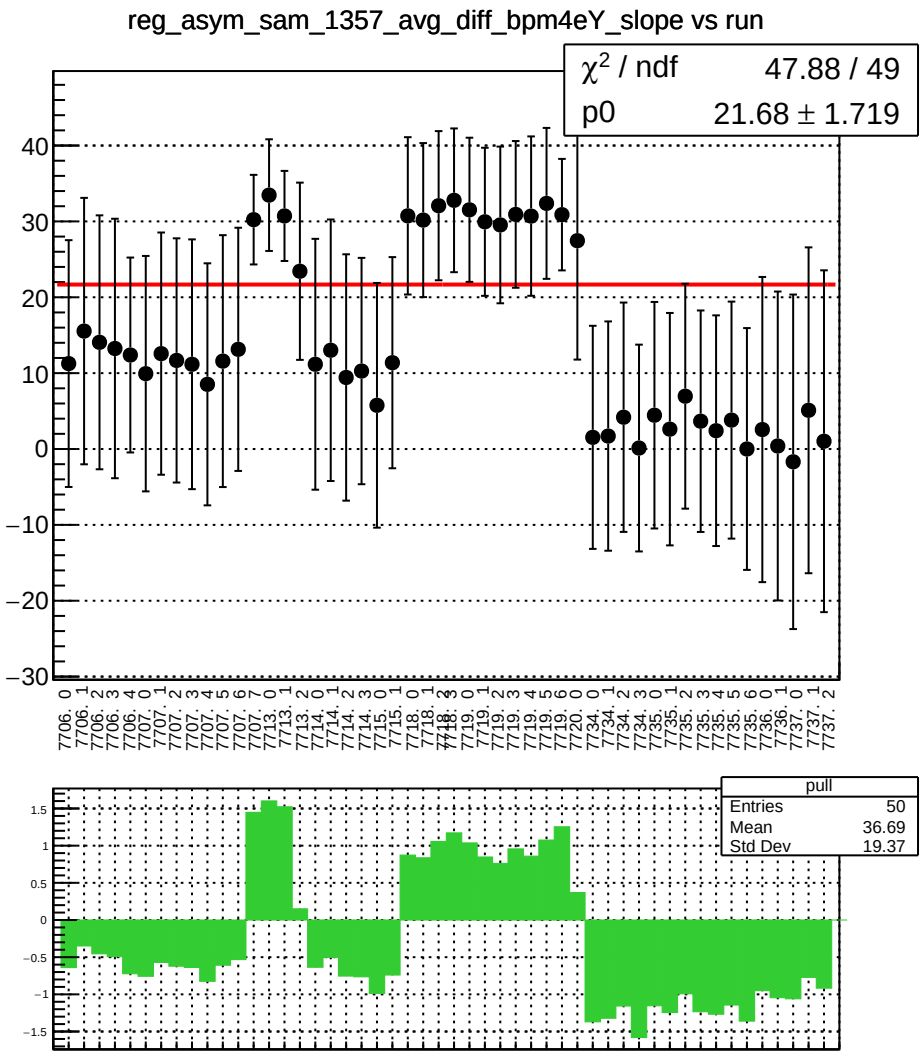

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 125.3 / 49
p0 −1.245 ± 1.033
pull
Entries 50
Mean 21.09
Std Dev 23.01

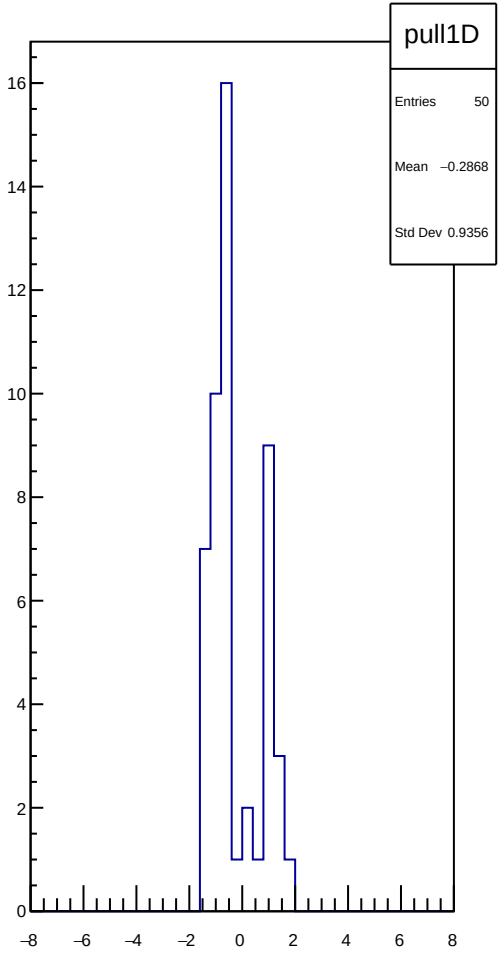

pull1D
Entries 50
Mean −0.4758
Std Dev 1.51

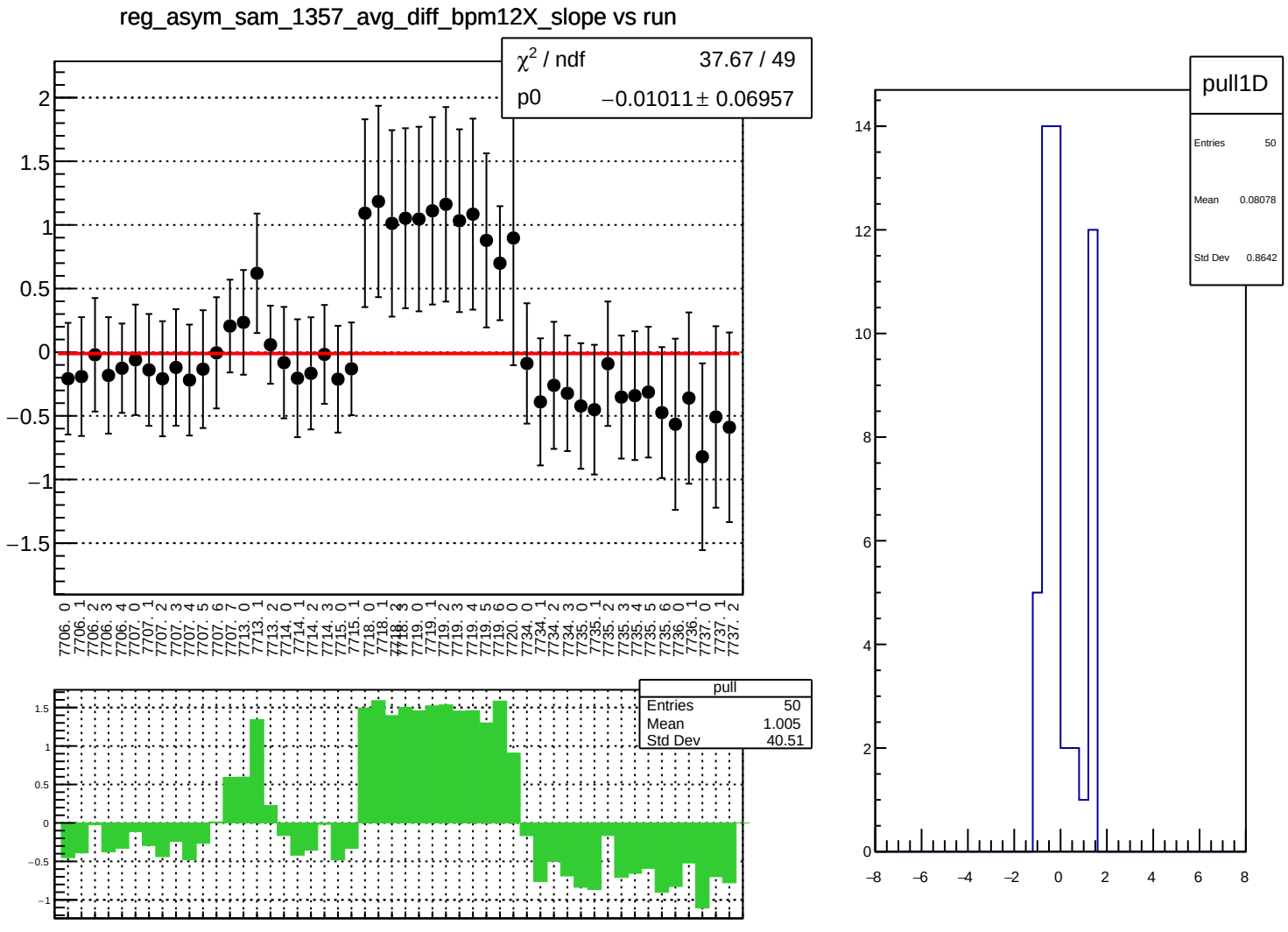

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.37 / 49
p0 4.905 ± 1.141
pull
Entries 50
Mean 26.91
Std Dev 22.24

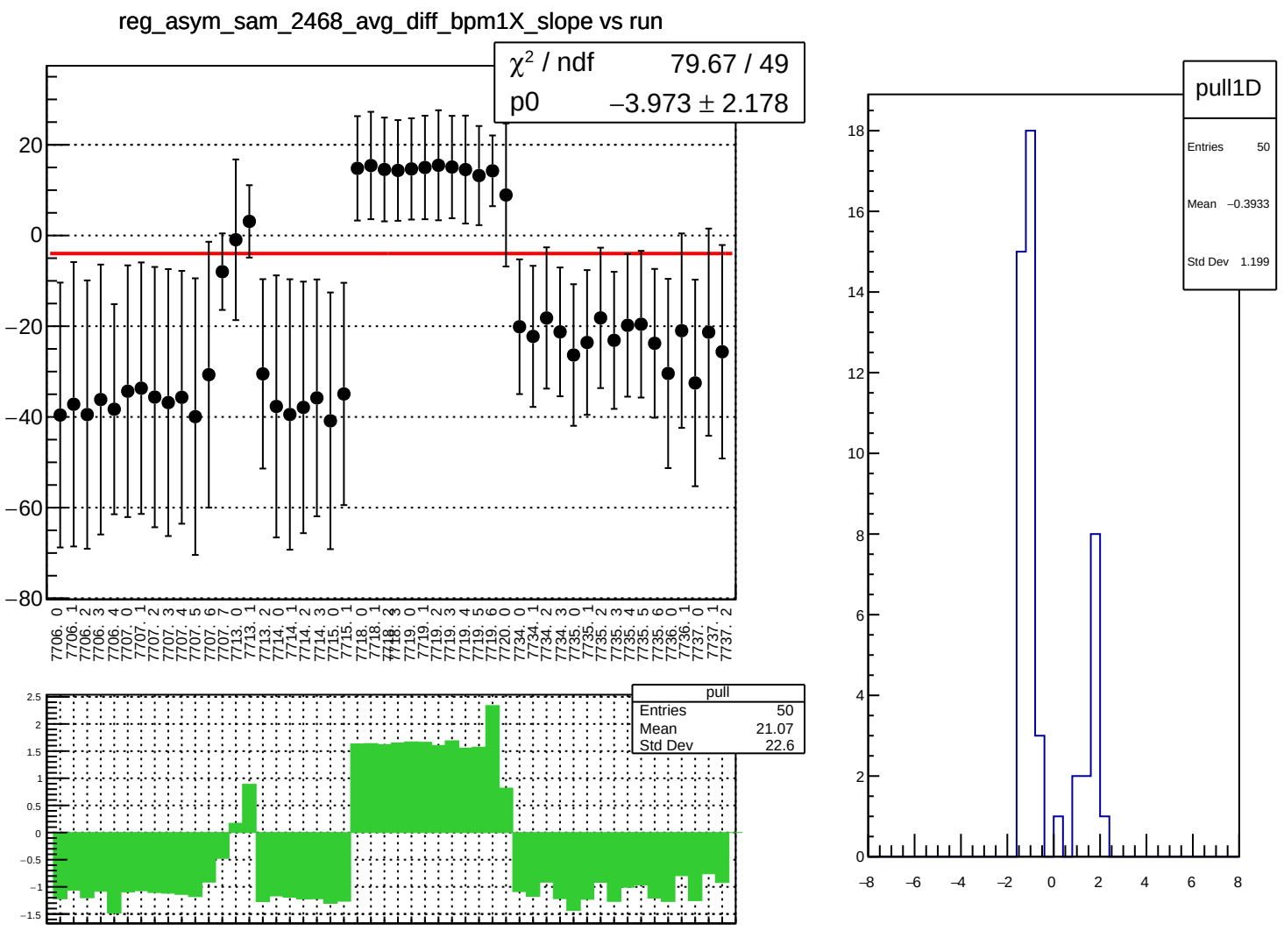

pull1D
Entries 50
Mean 0.3048
Std Dev 0.9135

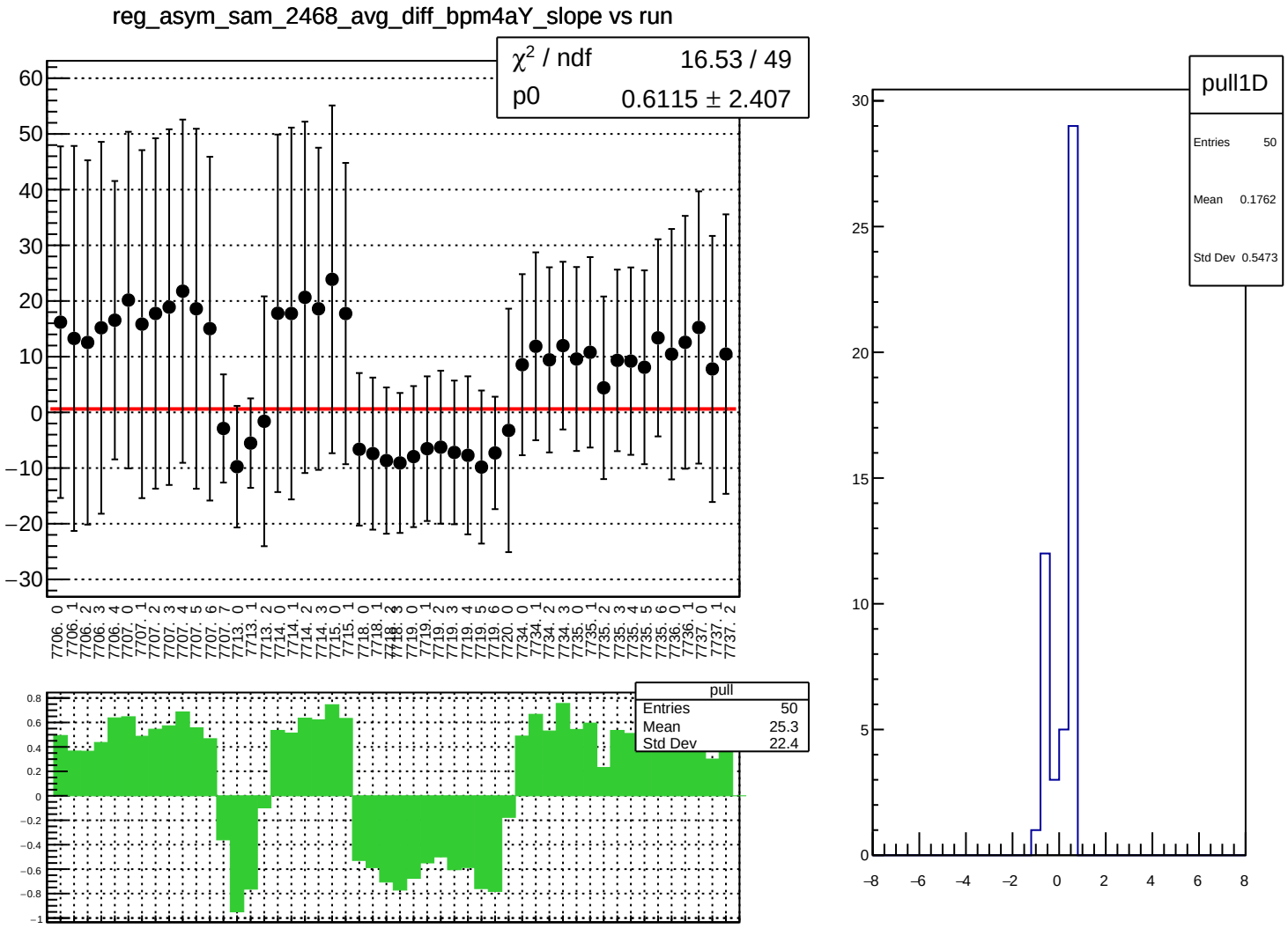

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.2 / 49
p0 −38.43 ± 0.8904
pull
Entries 50
Mean 12.88
Std Dev 17.47
pull1D
Entries 50
Mean 0.5102
Std Dev 1.313

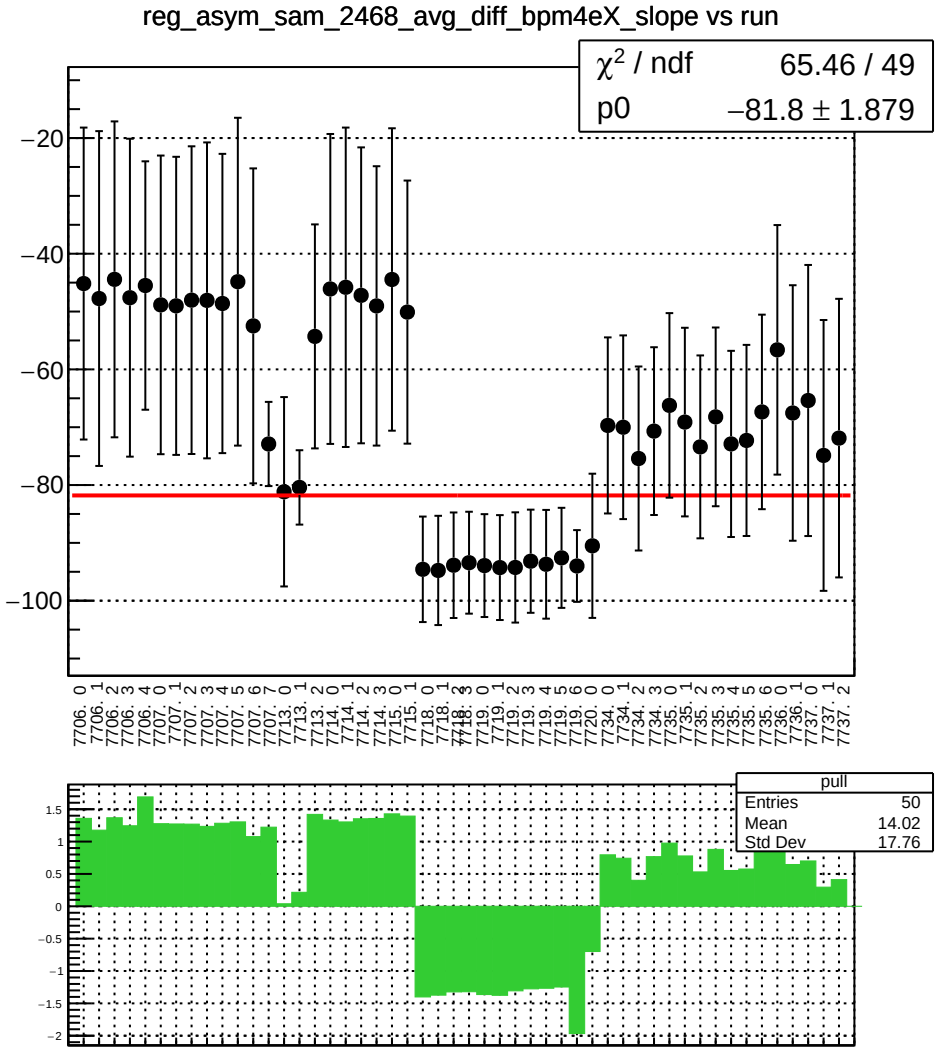

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.88 / 49
p0 21.68 ± 1.719
pull
Entries 50
Mean 36.69
Std Dev 19.37

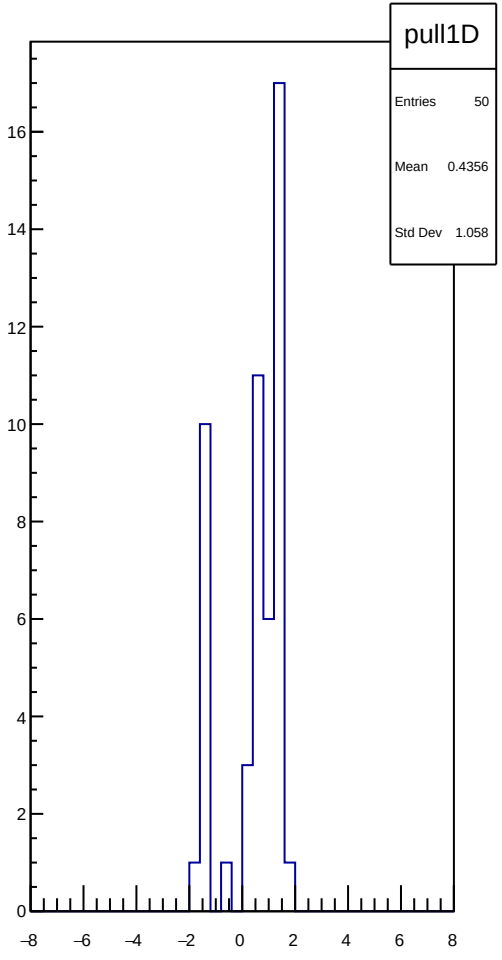

pull1D
Entries 50
Mean −0.2868
Std Dev 0.9356

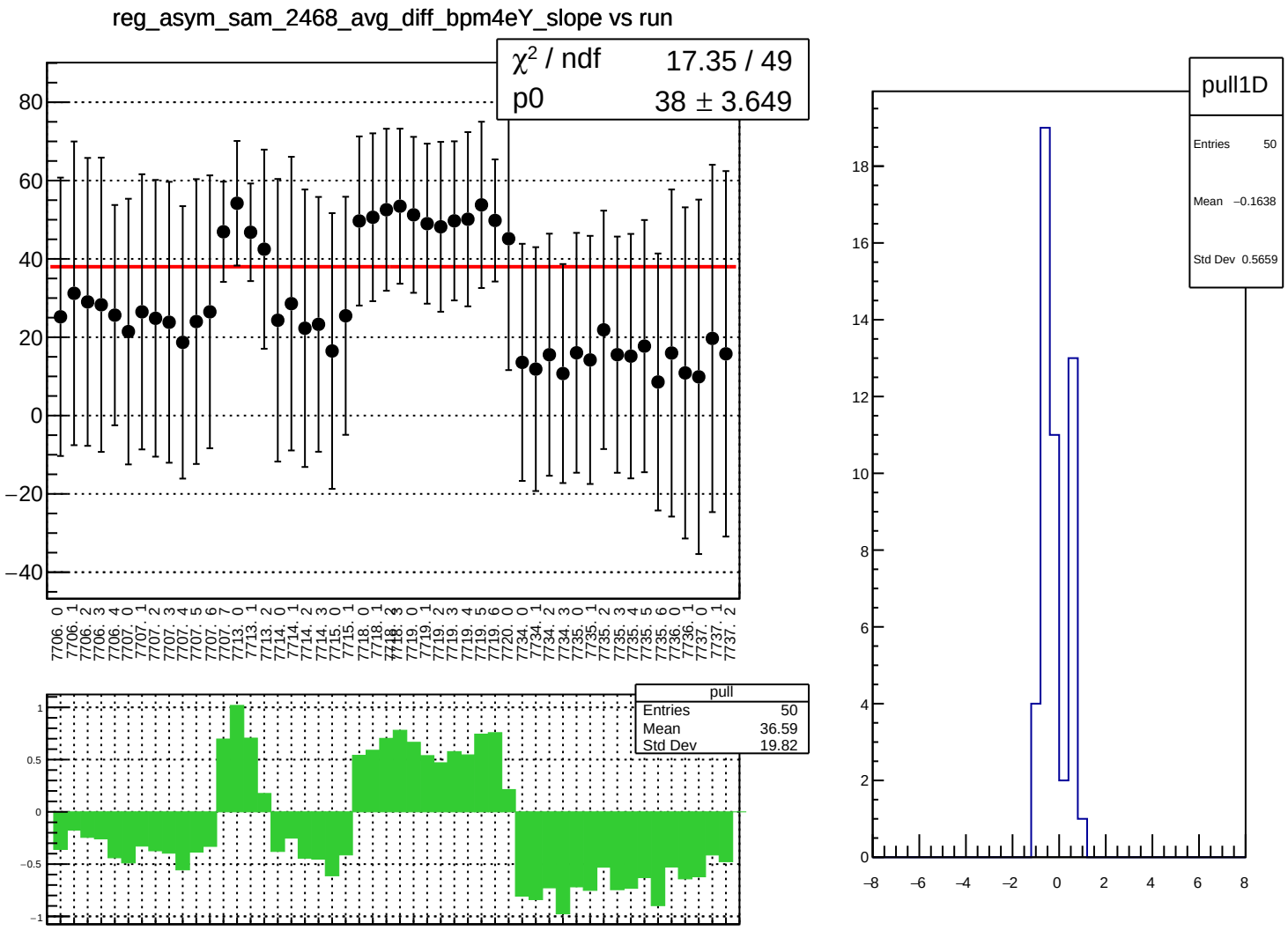

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 37.67 / 49
p0 −0.01011 ± 0.06957
pull
Entries 50
Mean 1.005
Std Dev 40.51
pull1D
Entries 50
Mean 0.08078
Std Dev 0.8642

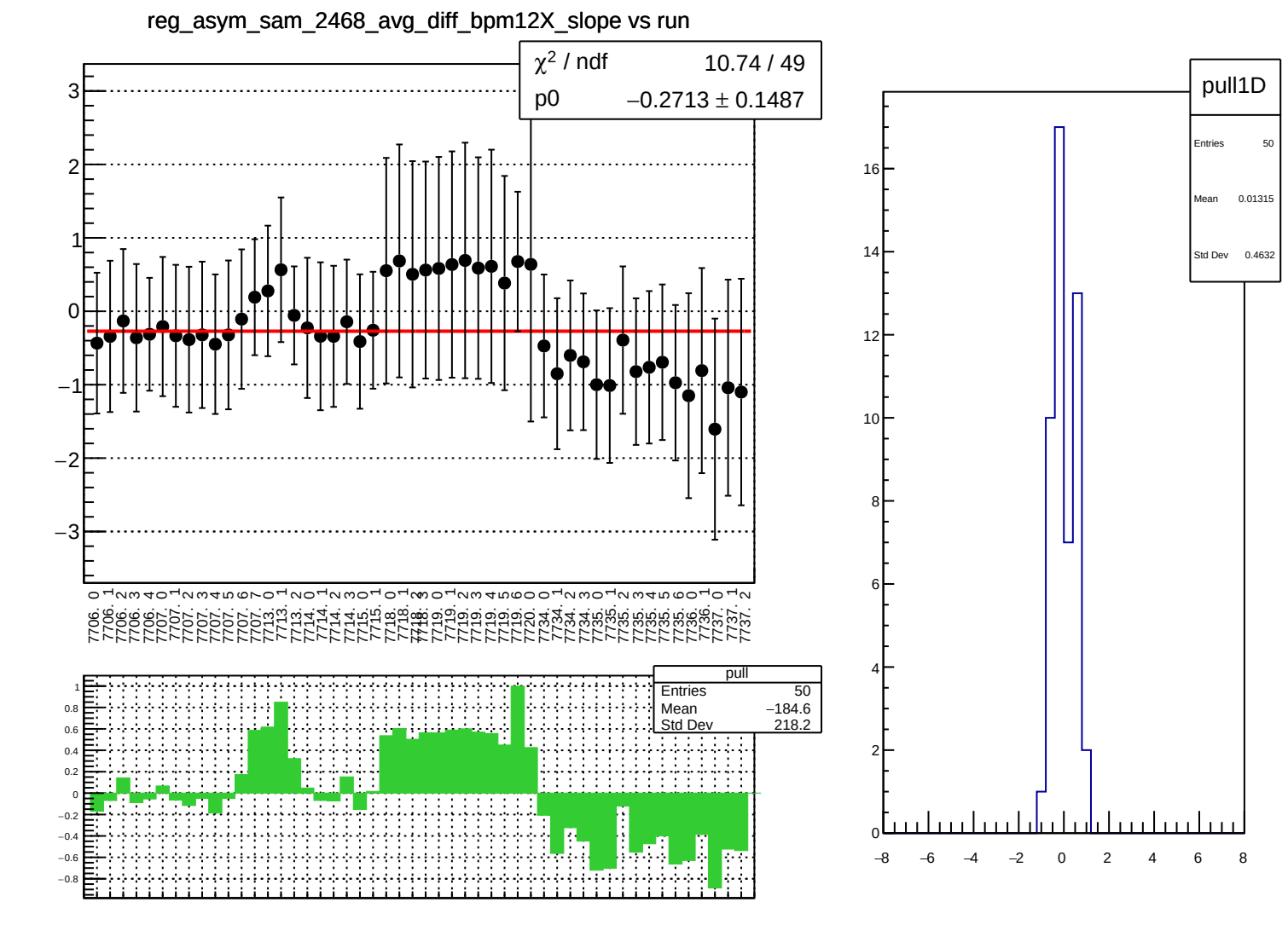

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 79.67 / 49
p0 −3.973 ± 2.178
pull
Entries 50
Mean 21.07
Std Dev 22.6
pull1D
Entries 50
Mean −0.3933
Std Dev 1.199

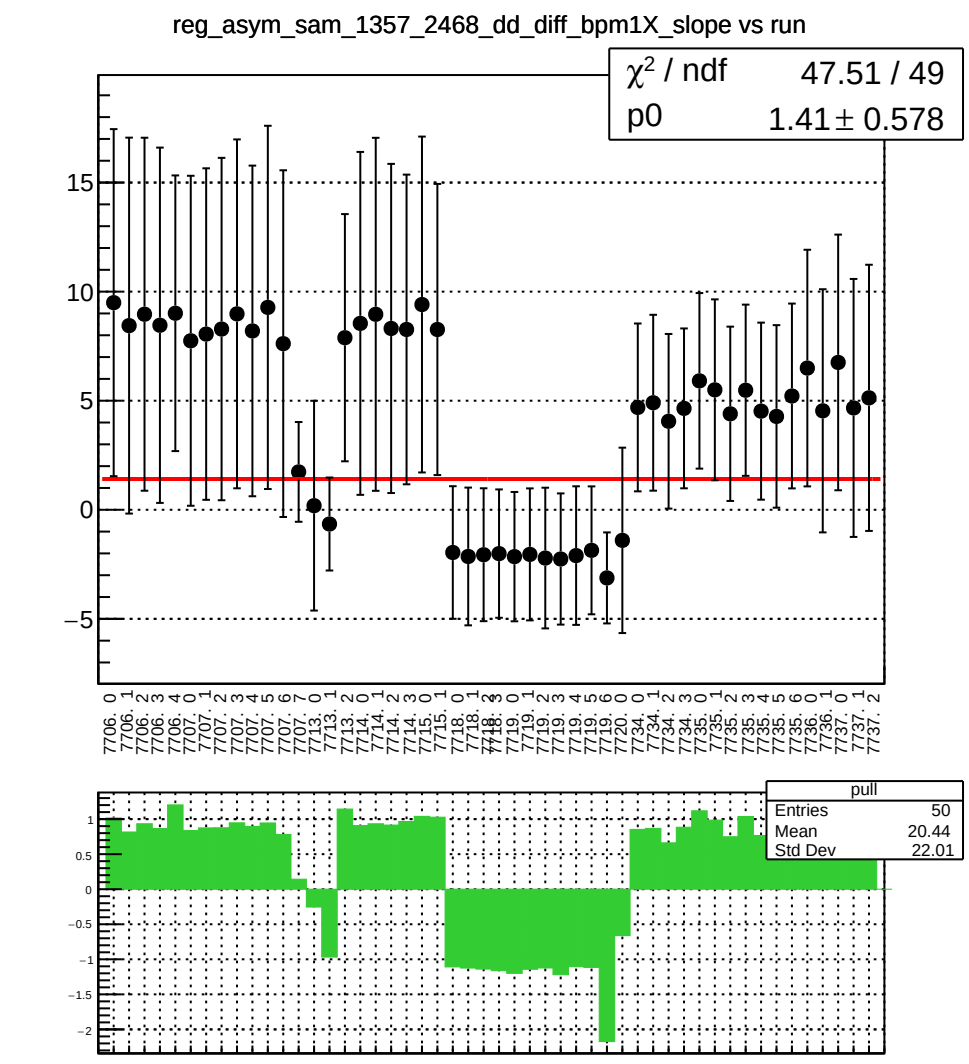

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.53 / 49
p0 0.6115 ± 2.407
pull
Entries 50
Mean 25.3
Std Dev 22.4
pull1D
Entries 50
Mean 0.1762
Std Dev 0.5473

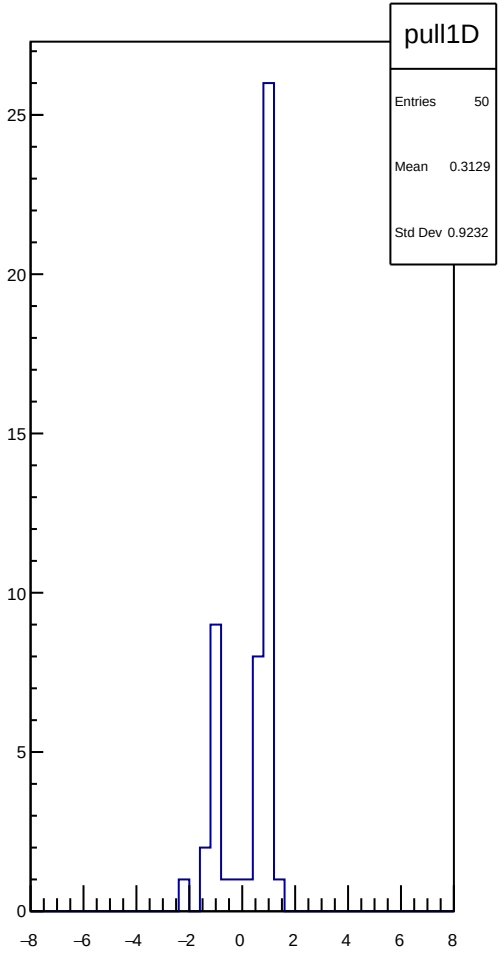

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.46 / 49
p0 −81.8 ± 1.879
pull
Entries 50
Mean 14.02
Std Dev 17.76

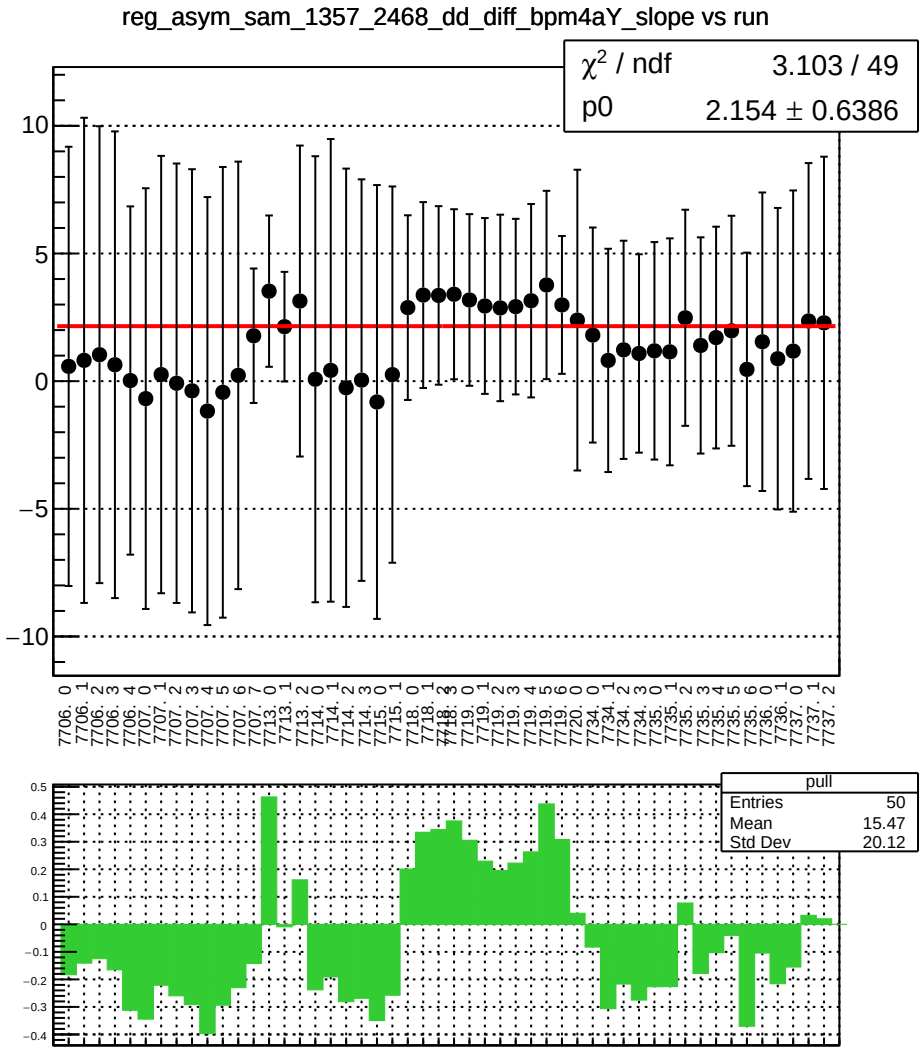

pull1D
Entries 50
Mean 0.4356
Std Dev 1.058

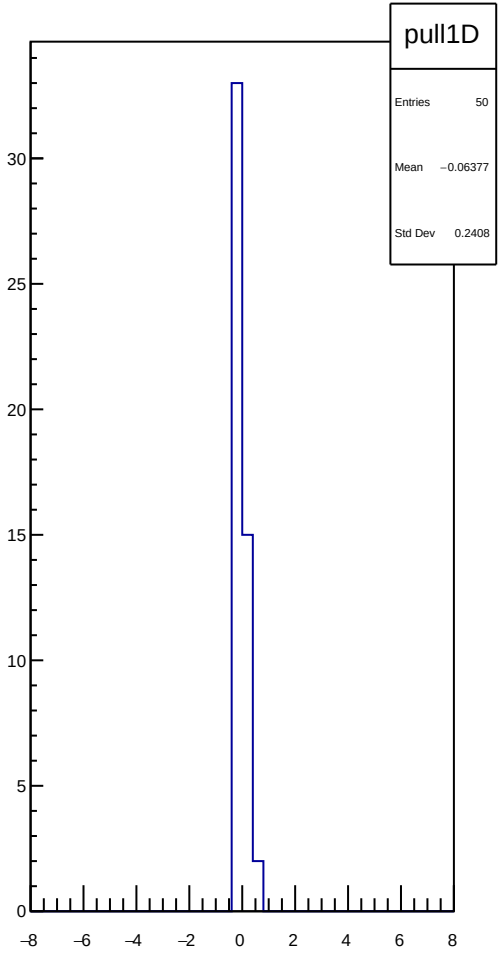

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.35 / 49
p0 38 ± 3.649
pull
Entries 50
Mean 36.59
Std Dev 19.82
pull1D
Entries 50
Mean −0.1638
Std Dev 0.5659

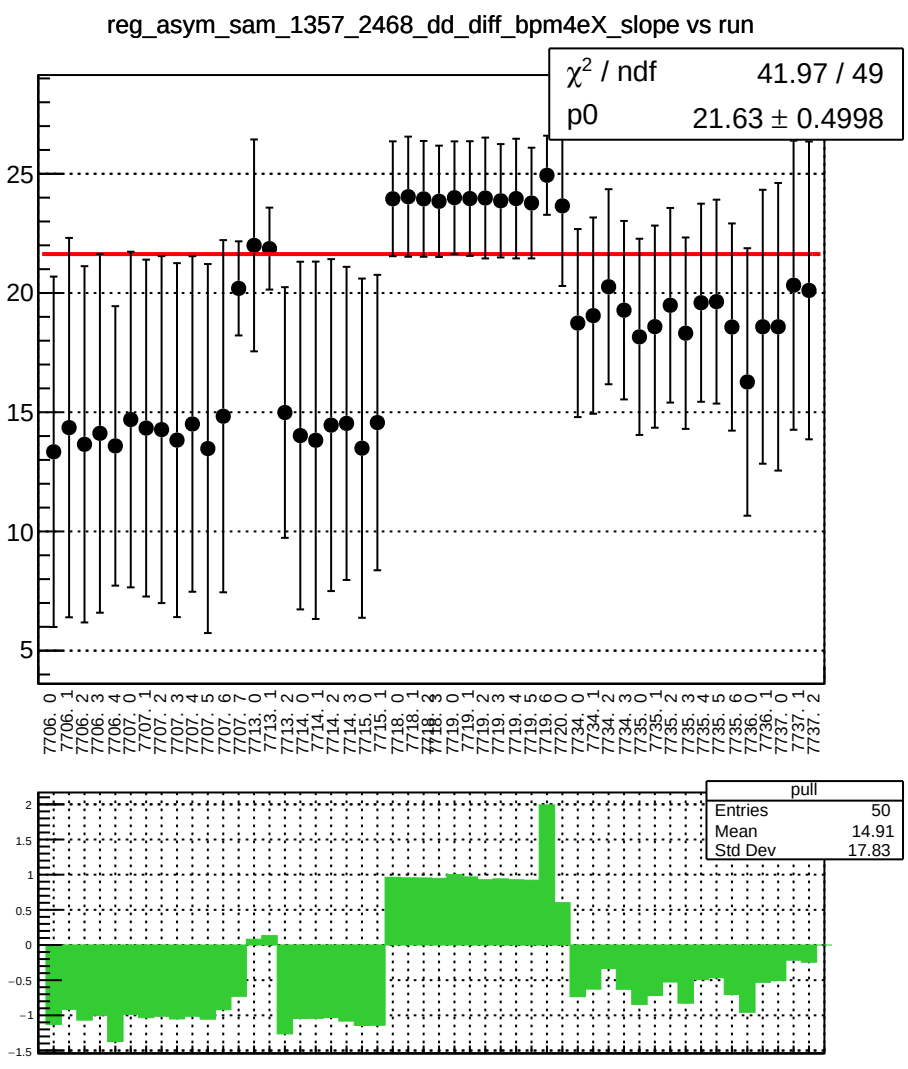

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 10.74 / 49
p0 −0.2713 ± 0.1487
pull
Entries 50
Mean −184.6
Std Dev 218.2
pull1D
Entries 50
Mean 0.01315
Std Dev 0.4632

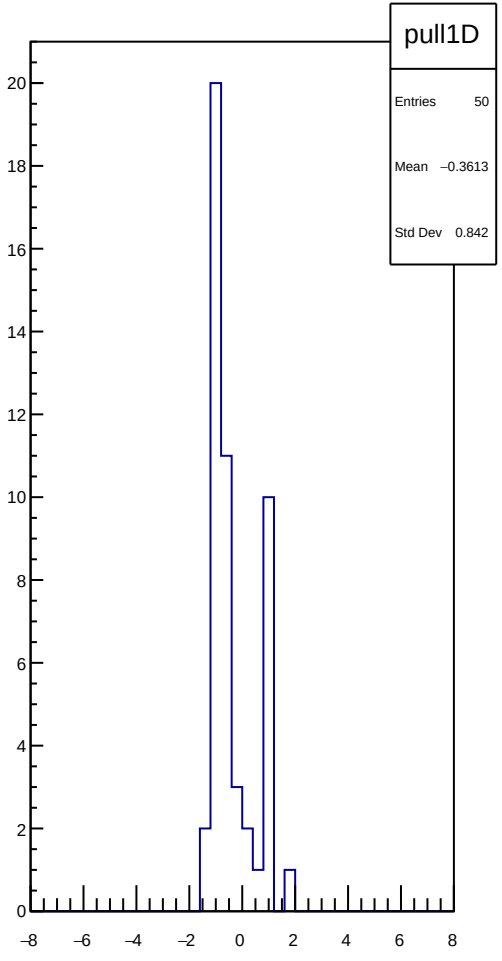

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 47.51 / 49
p0 1.41 ± 0.578
pull
Entries 50
Mean 20.44
Std Dev 22.01

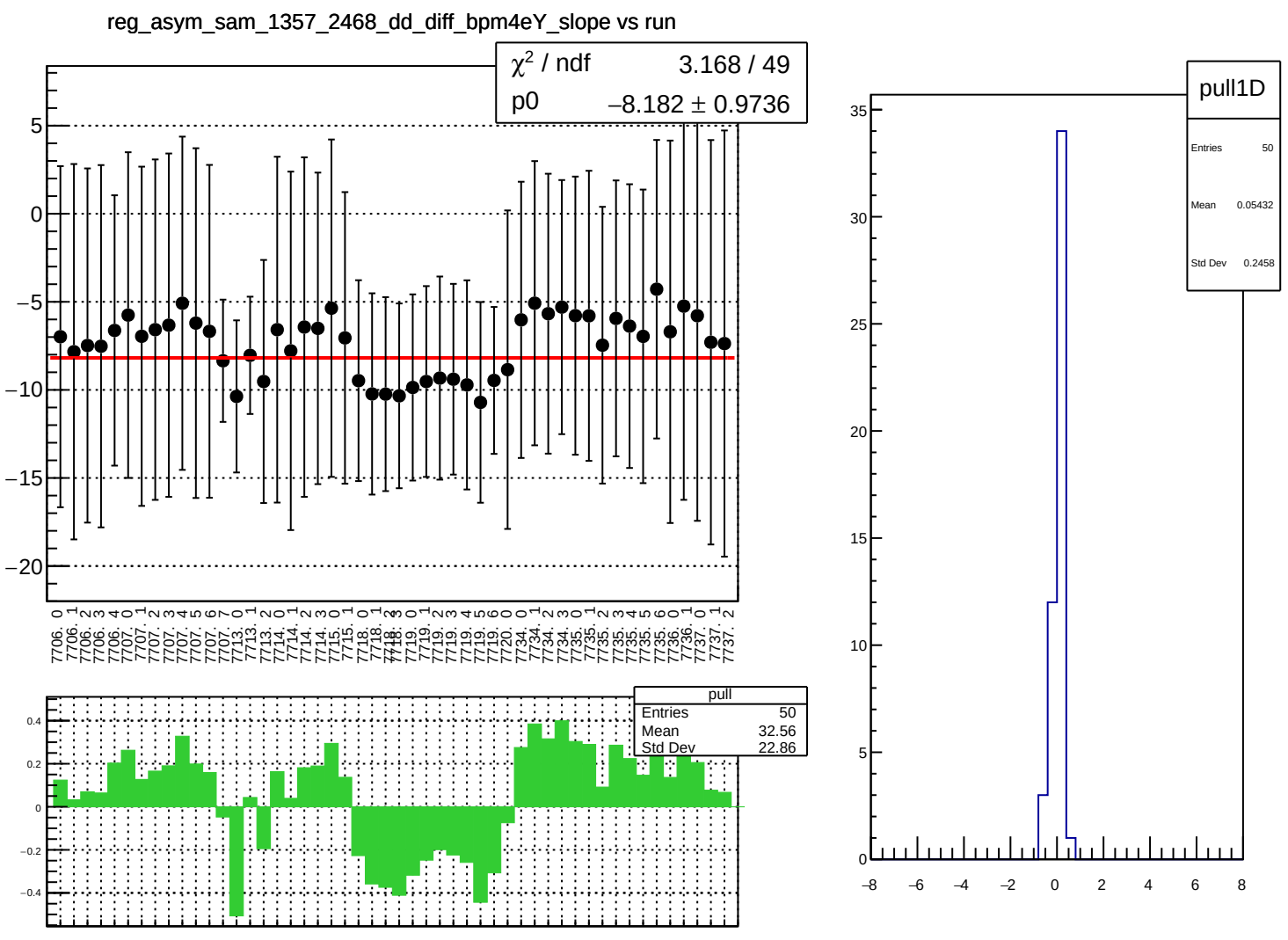

pull1D
Entries 50
Mean 0.3129
Std Dev 0.9232

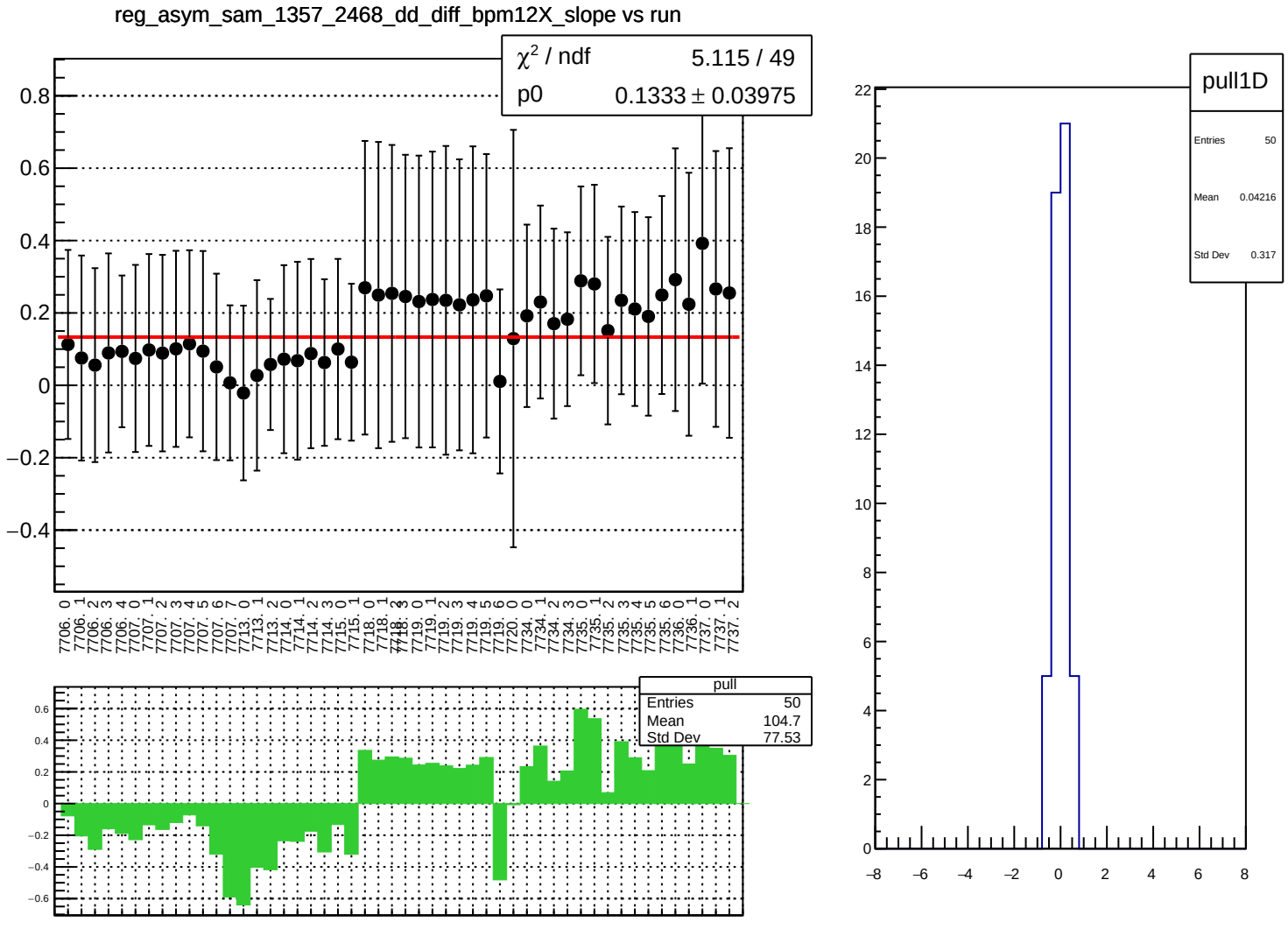

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.103 / 49
p0 2.154 ± 0.6386
pull
Entries 50
Mean 15.47
Std Dev 20.12

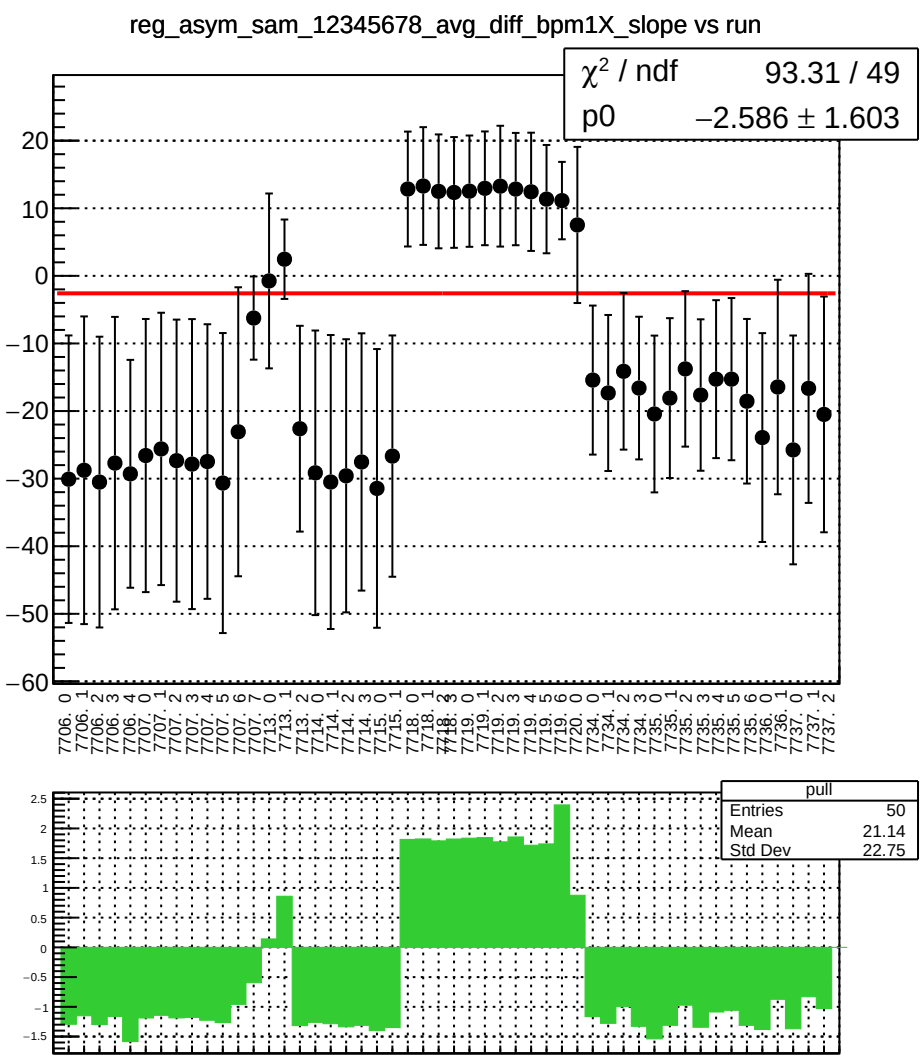

pull1D
Entries 50
Mean −0.06377
Std Dev 0.2408

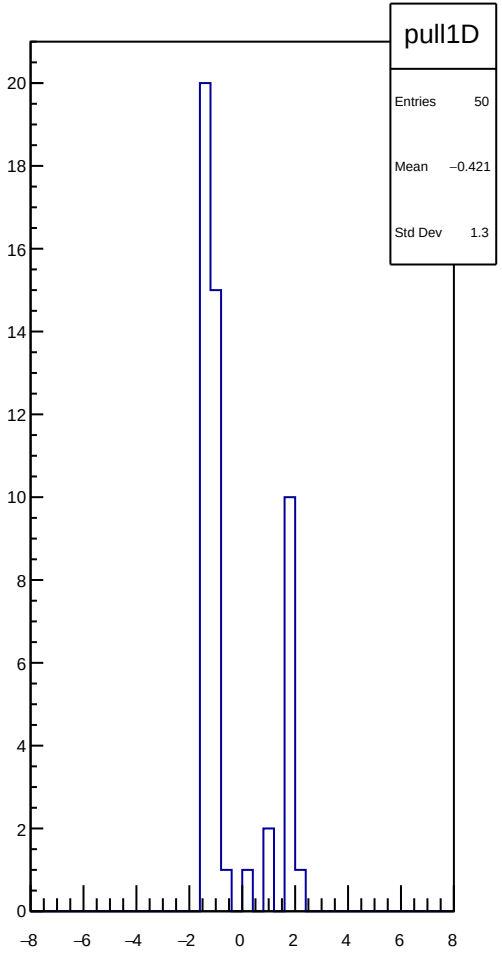

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.97 / 49
p0 21.63 ± 0.4998
pull
Entries 50
Mean 14.91
Std Dev 17.83

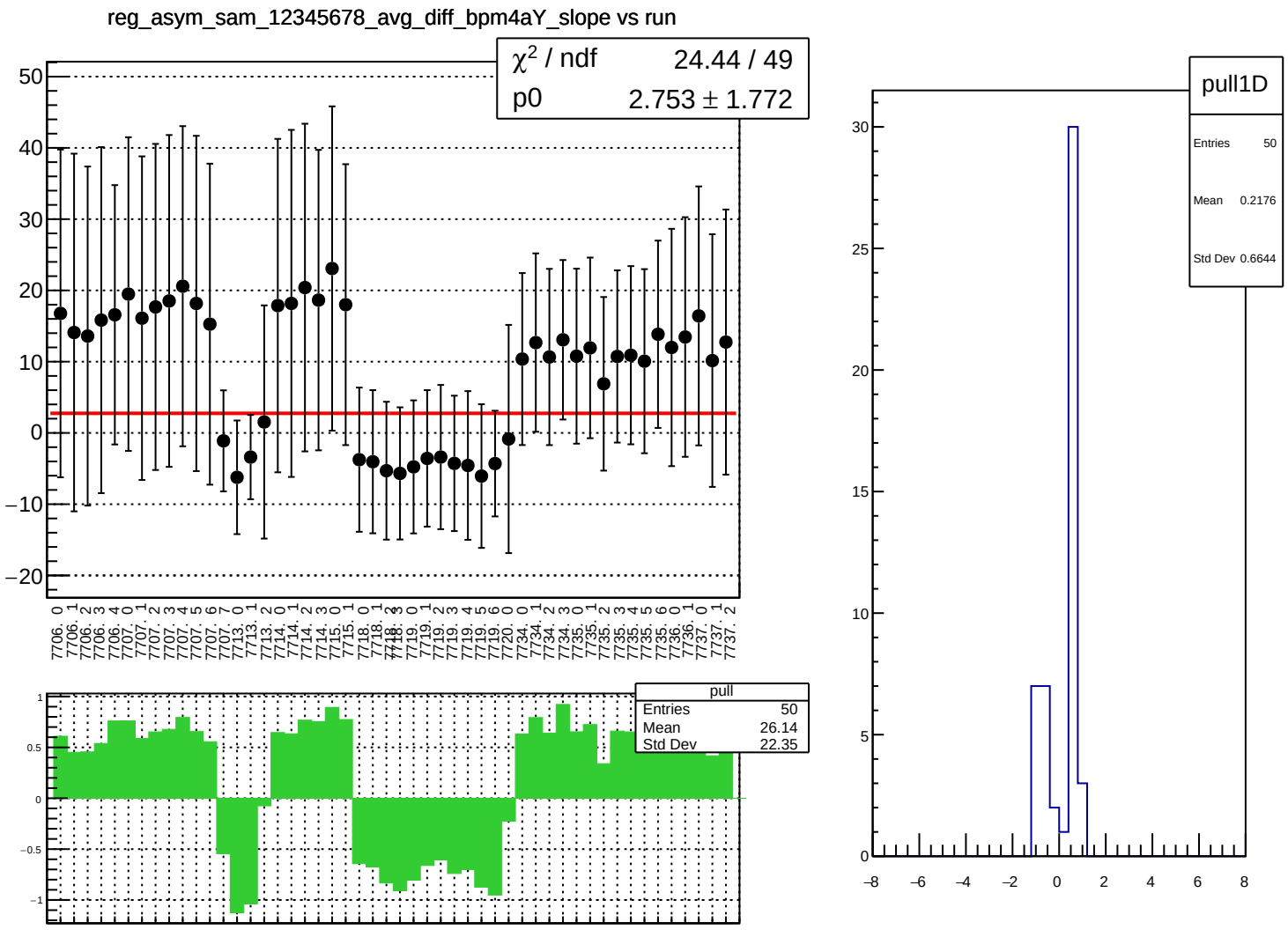

pull1D
Entries 50
Mean −0.3613
Std Dev 0.842

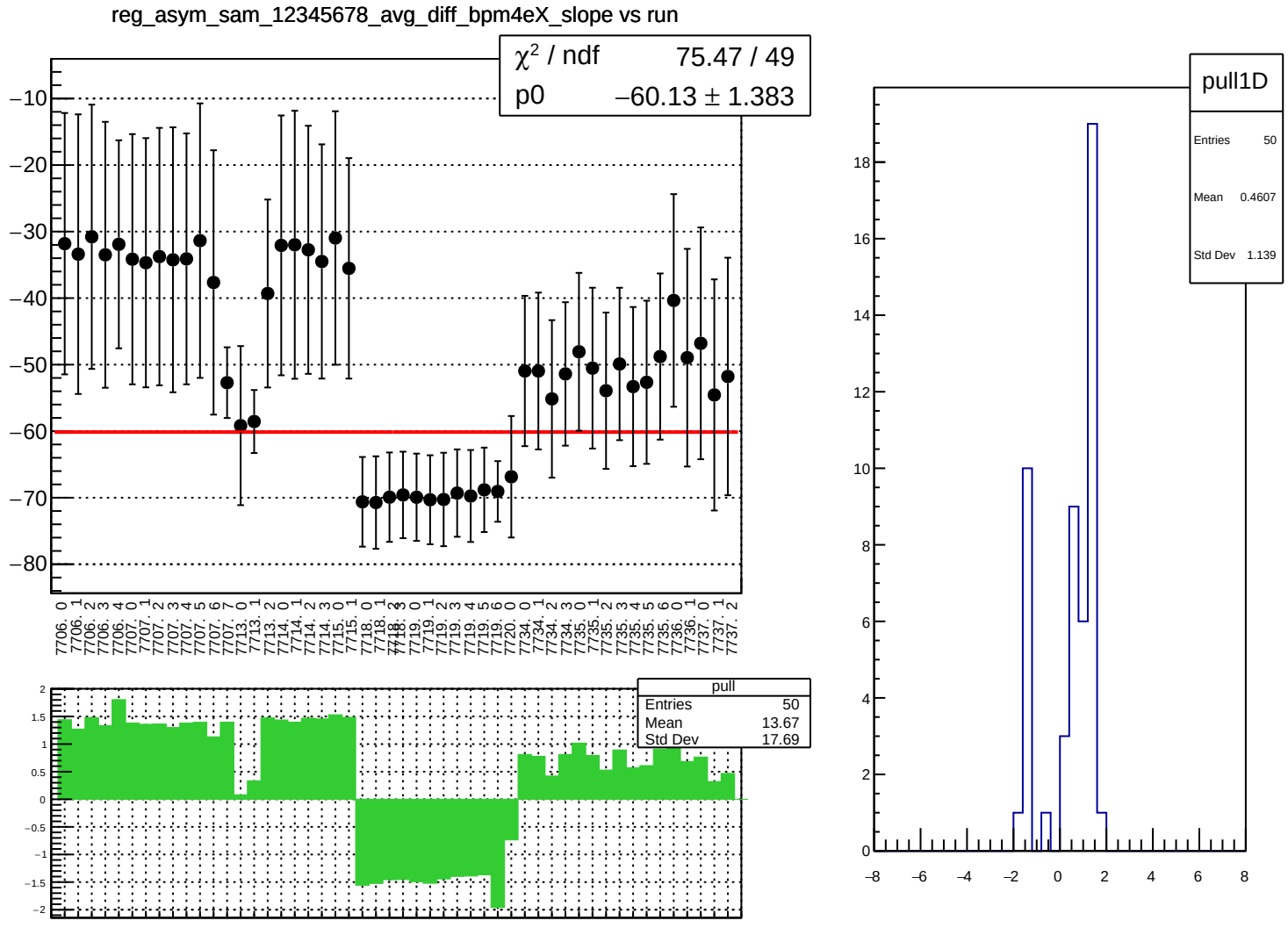

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.168 / 49
p0 −8.182 ± 0.9736
pull
Entries 50
Mean 32.56
Std Dev 22.86
pull1D
Entries 50
Mean 0.05432
Std Dev 0.2458

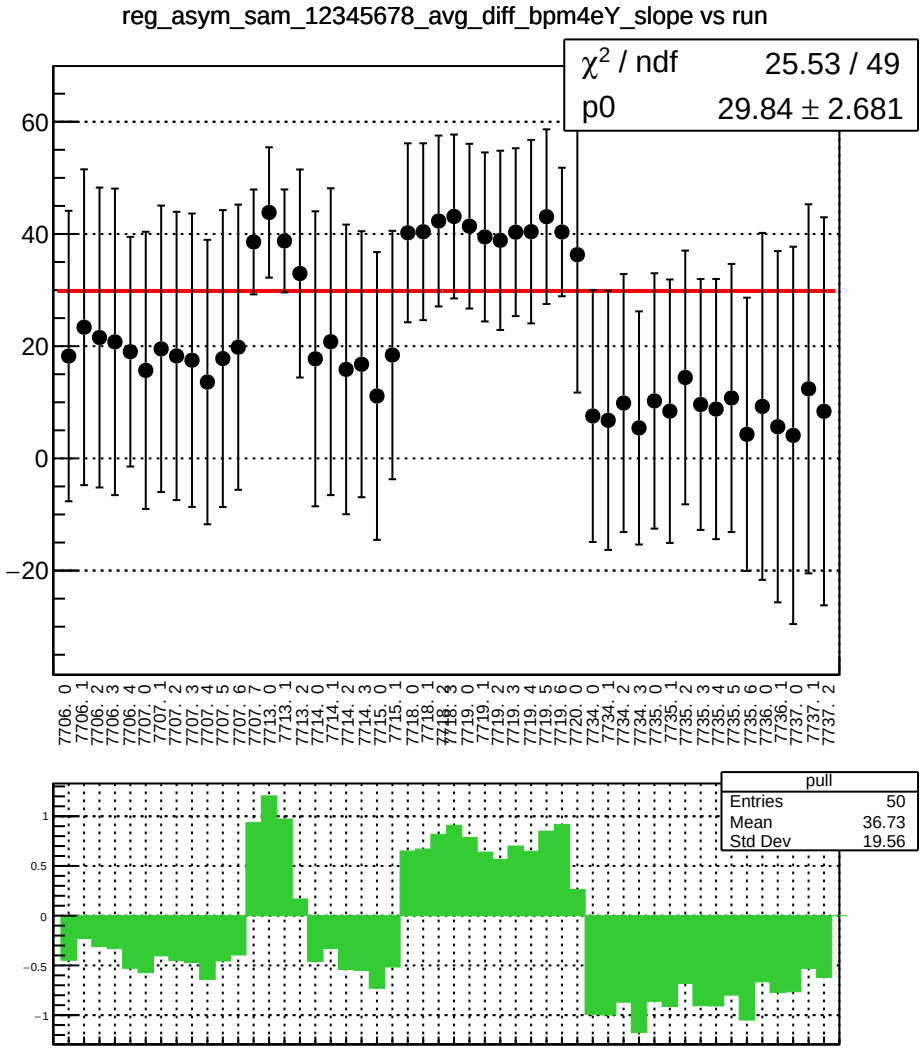

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 5.115 / 49
p0 0.1333 ± 0.03975
pull
Entries 50
Mean 104.7
Std Dev 77.53
pull1D
Entries 50
Mean 0.04216
Std Dev 0.317

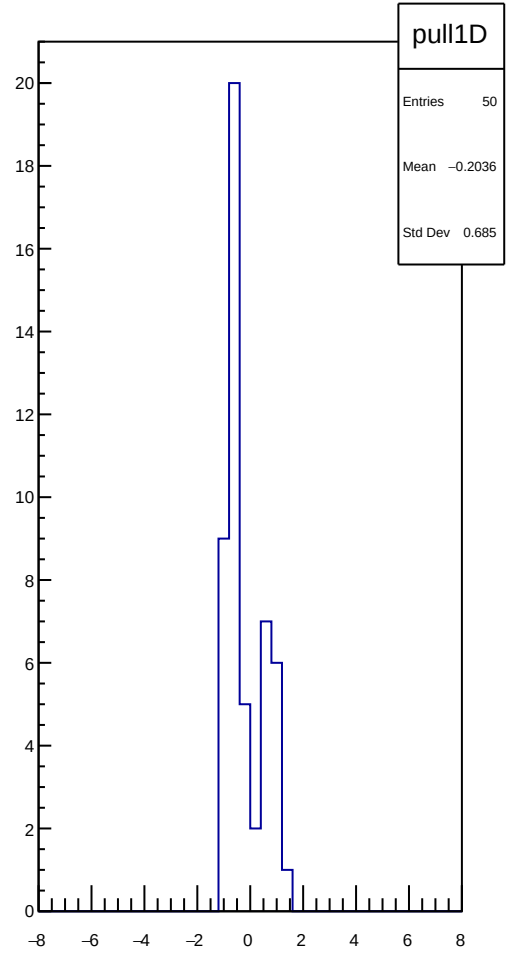

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 93.31 / 49
p0 −2.586 ± 1.603
pull
Entries 50
Mean 21.14
Std Dev 22.75

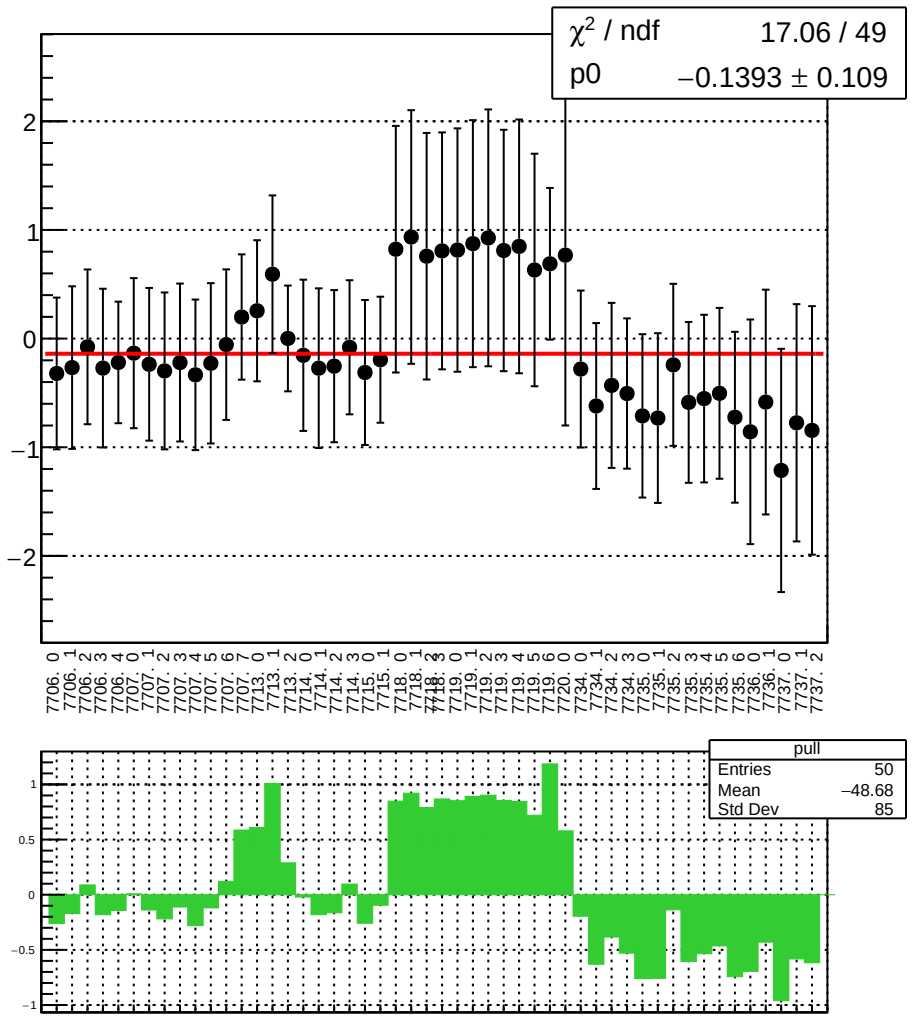

pull1D
Entries 50
Mean −0.421
Std Dev 1.3

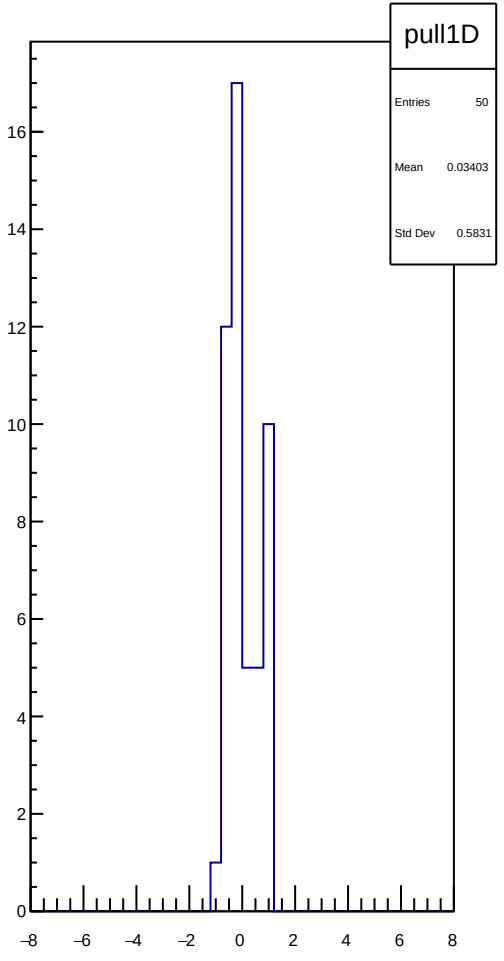

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.44 / 49
p0 2.753 ± 1.772
pull
Entries 50
Mean 26.14
Std Dev 22.35
pull1D
Entries 50
Mean 0.2176
Std Dev 0.6644

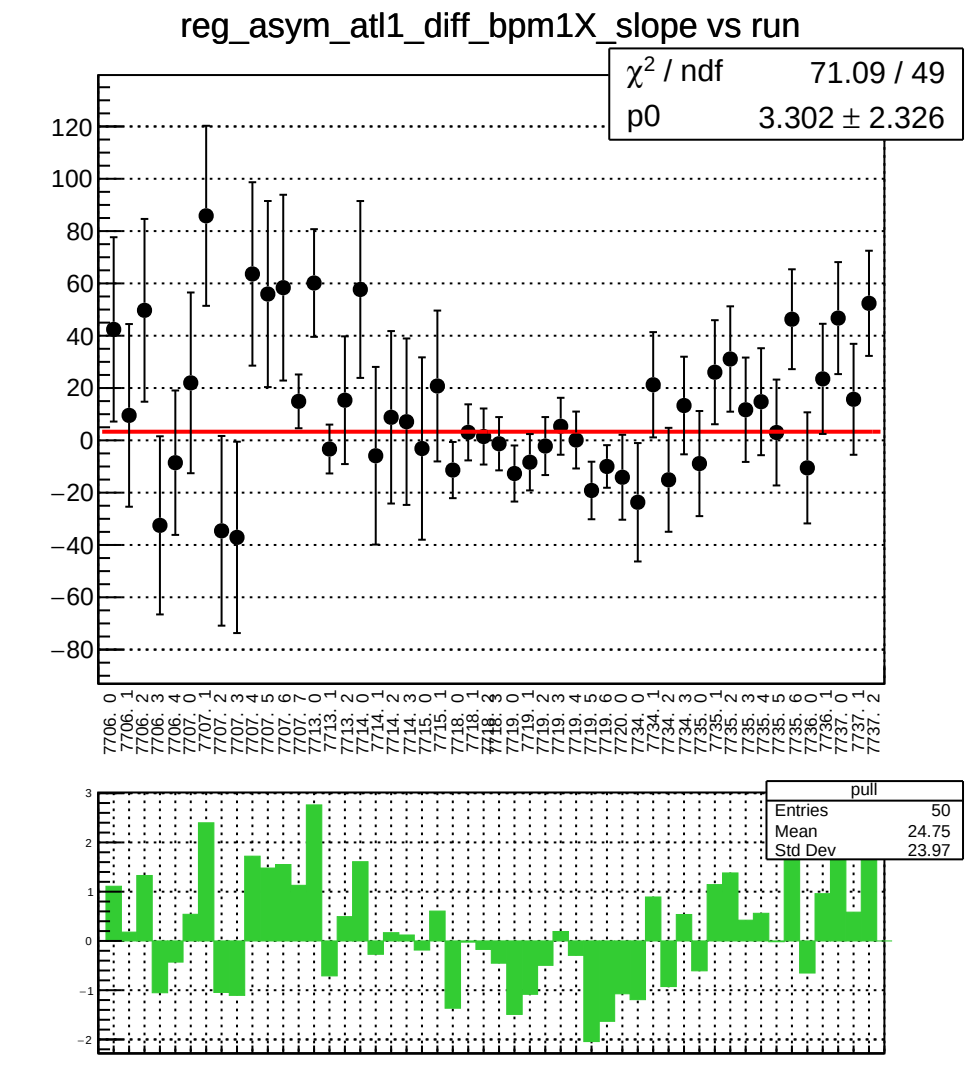

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.47 / 49
p0 −60.13 ± 1.383
−10
−20
−30
−40
−50
−60
−70
−80
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 13.67
Std Dev 17.69
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.4607
Std Dev 1.139
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

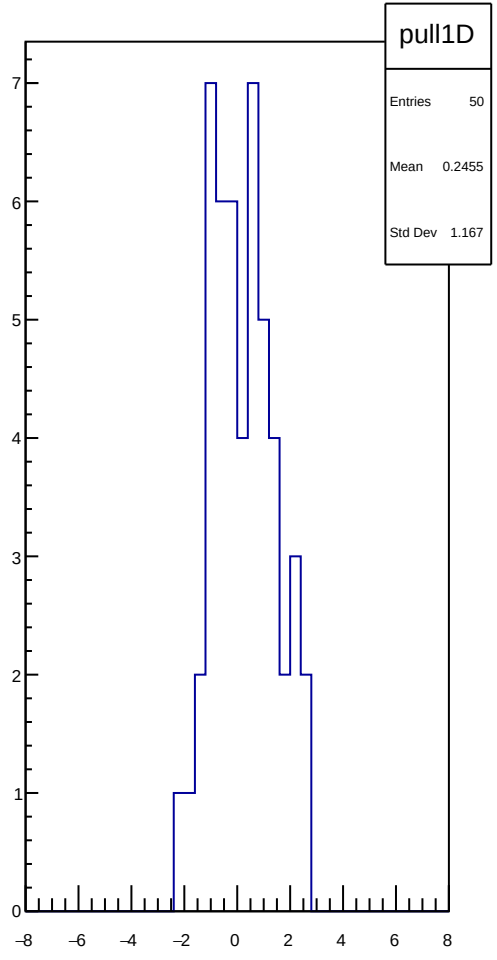

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.53 / 49
p0 29.84 ± 2.681
pull
Entries 50
Mean 36.73
Std Dev 19.56

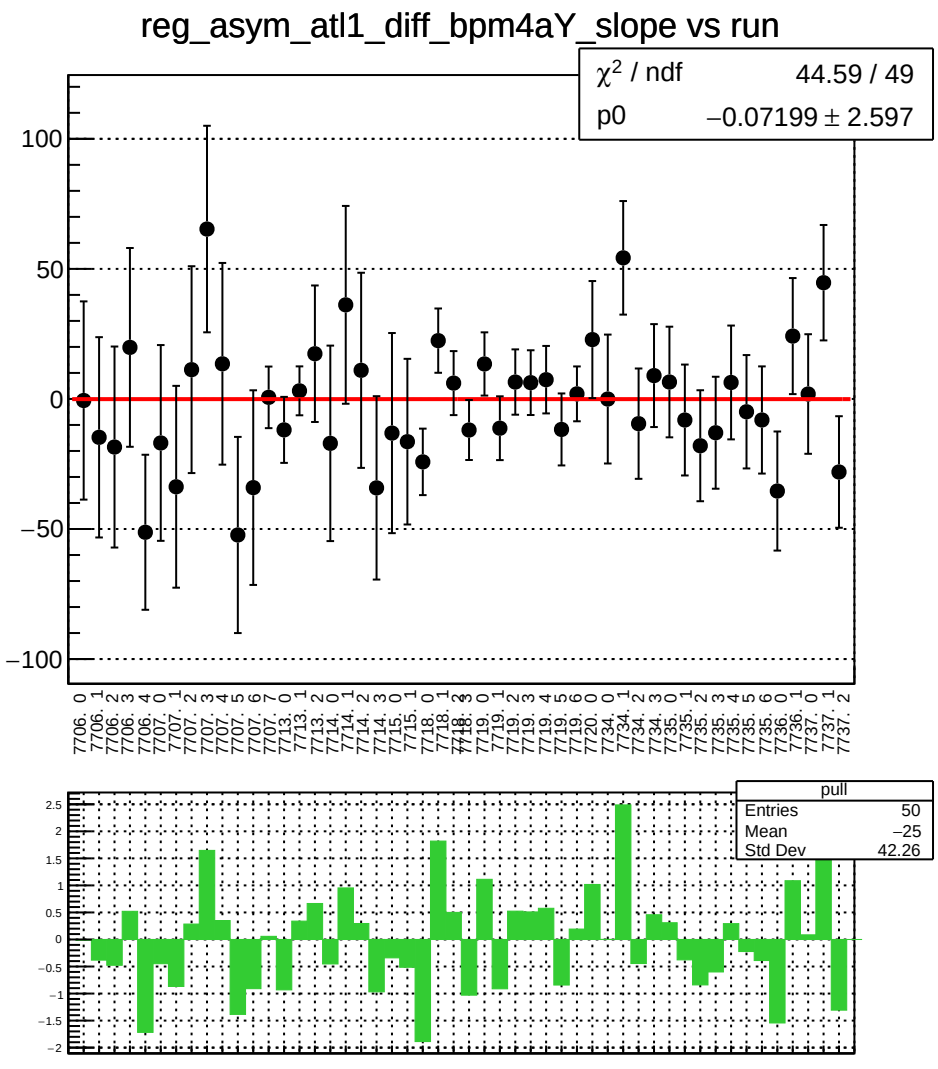

pull1D
Entries 50
Mean −0.2036
Std Dev 0.685

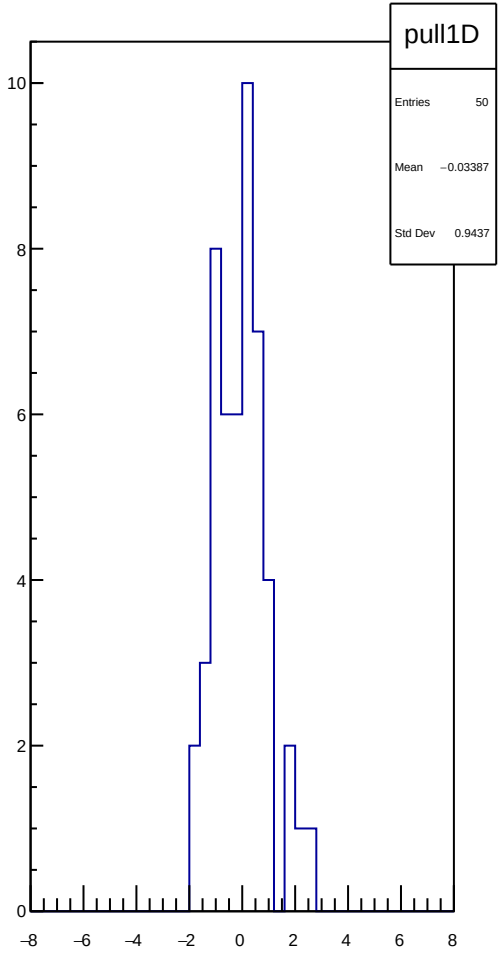

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 17.06 / 49
p0 −0.1393 ± 0.109
pull
Entries 50
Mean −48.68
Std Dev 85

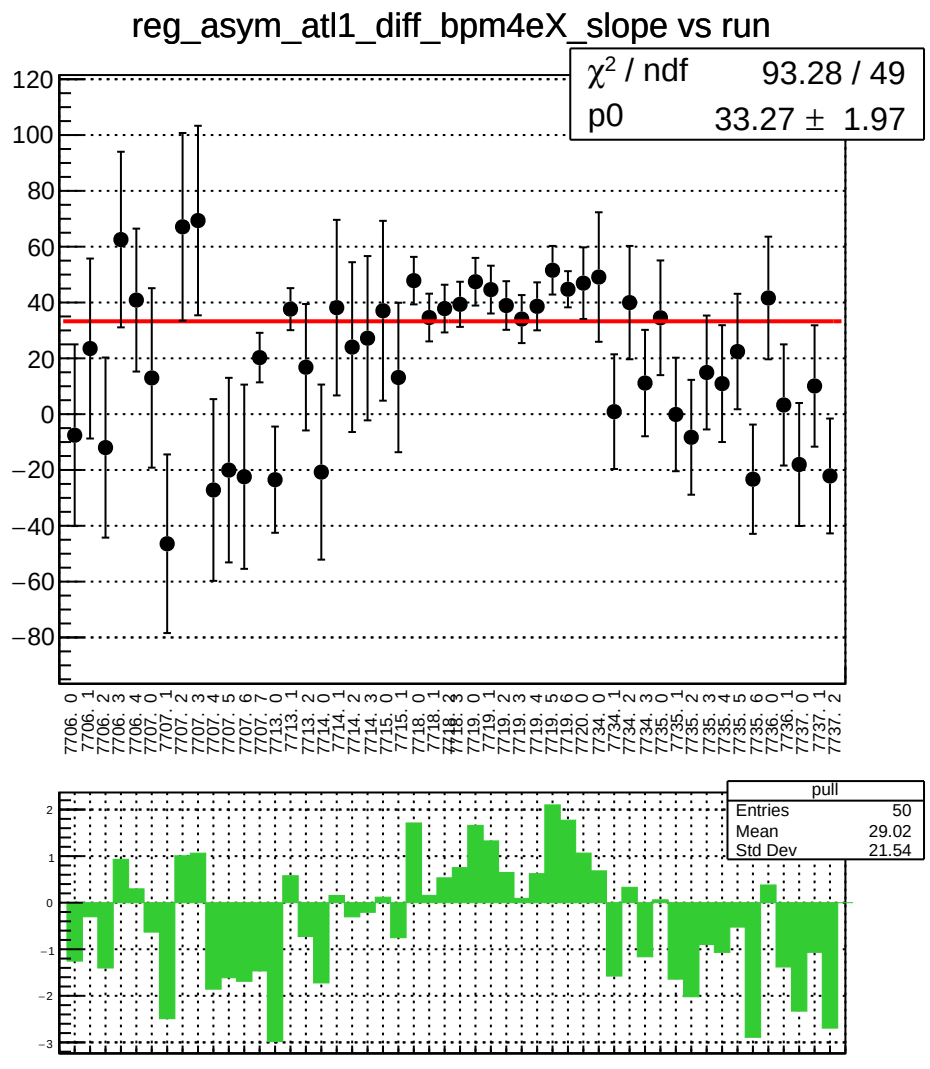

pull1D
Entries 50
Mean 0.03403
Std Dev 0.5831

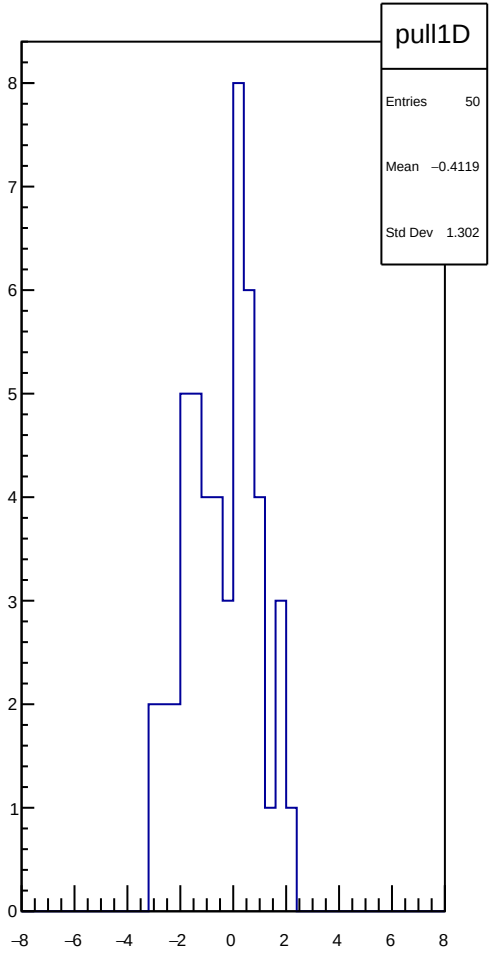

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 71.09 / 49
p0 3.302 ± 2.326
pull
Entries 50
Mean 24.75
Std Dev 23.97

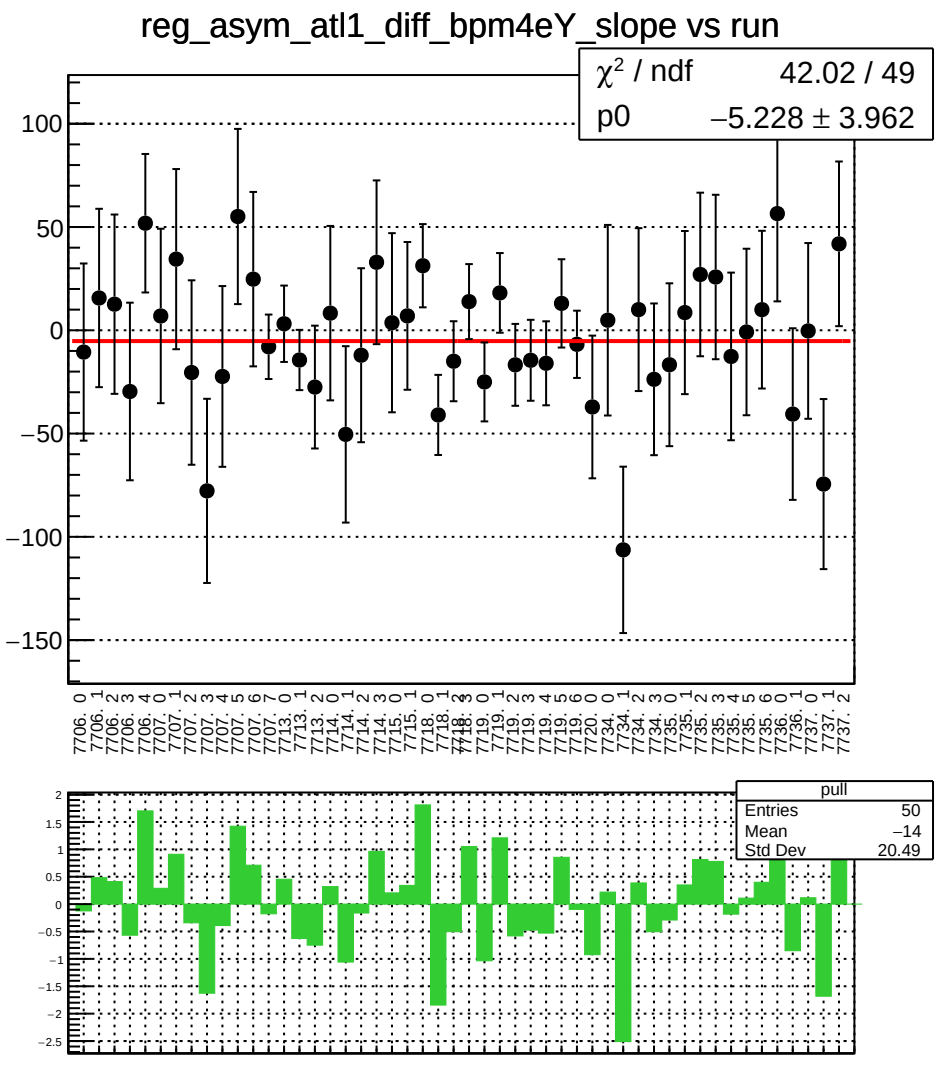

pull1D
Entries 50
Mean 0.2455
Std Dev 1.167

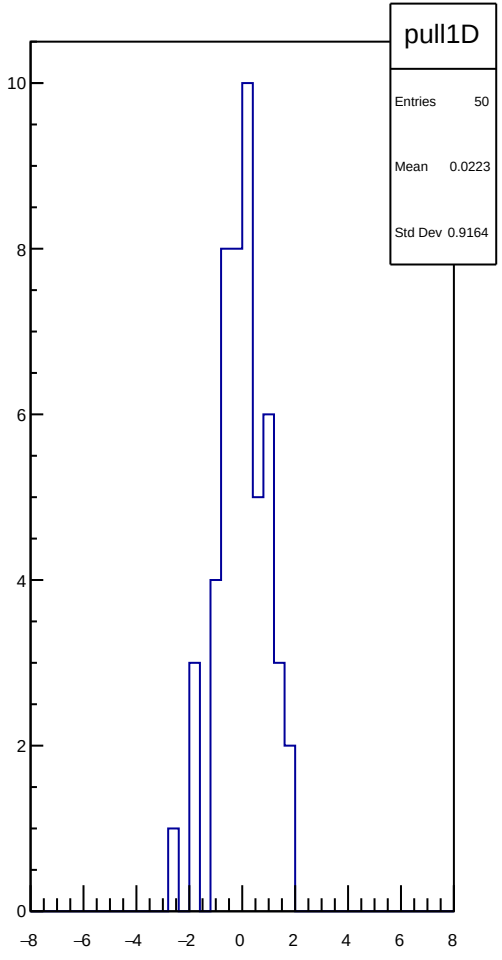

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 44.59 / 49
p0 −0.07199 ± 2.597
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −25
Std Dev 42.26
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

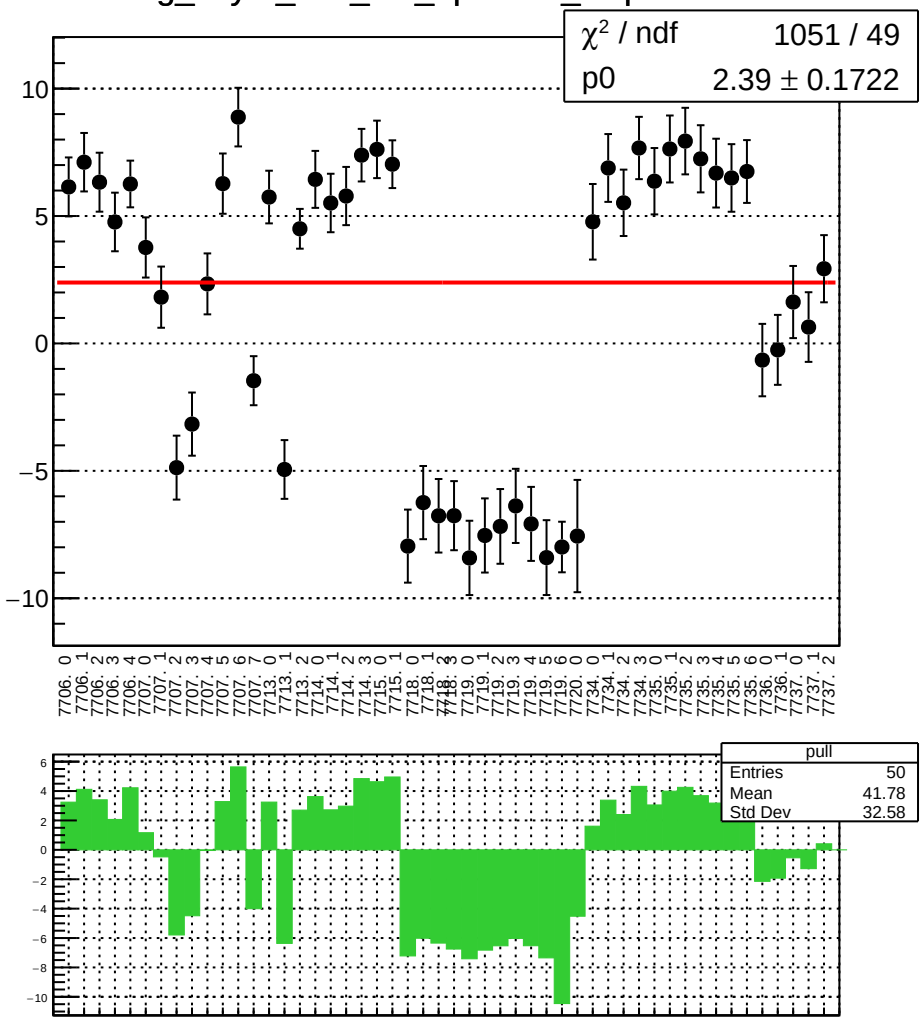

pull1D
Entries 50
Mean −0.03387
Std Dev 0.9437
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

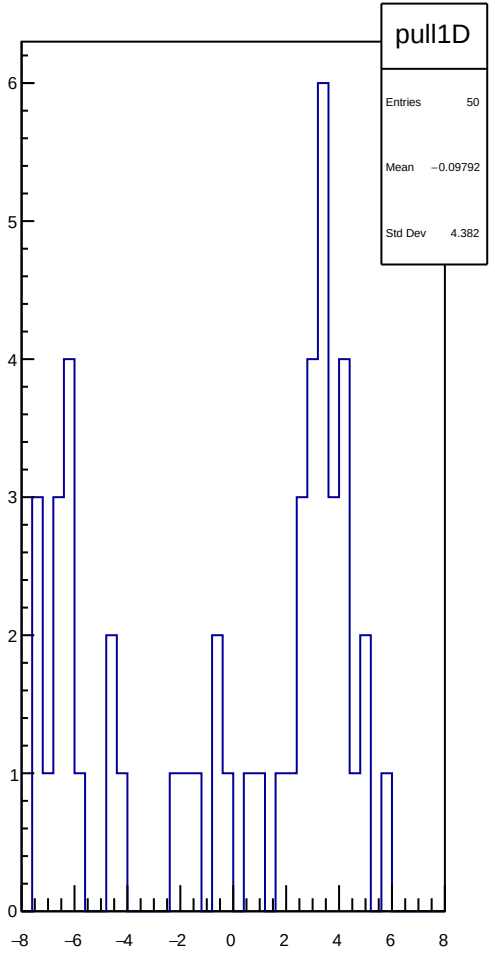

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 93.28 / 49
p0 33.27 ± 1.97
pull
Entries 50
Mean 29.02
Std Dev 21.54

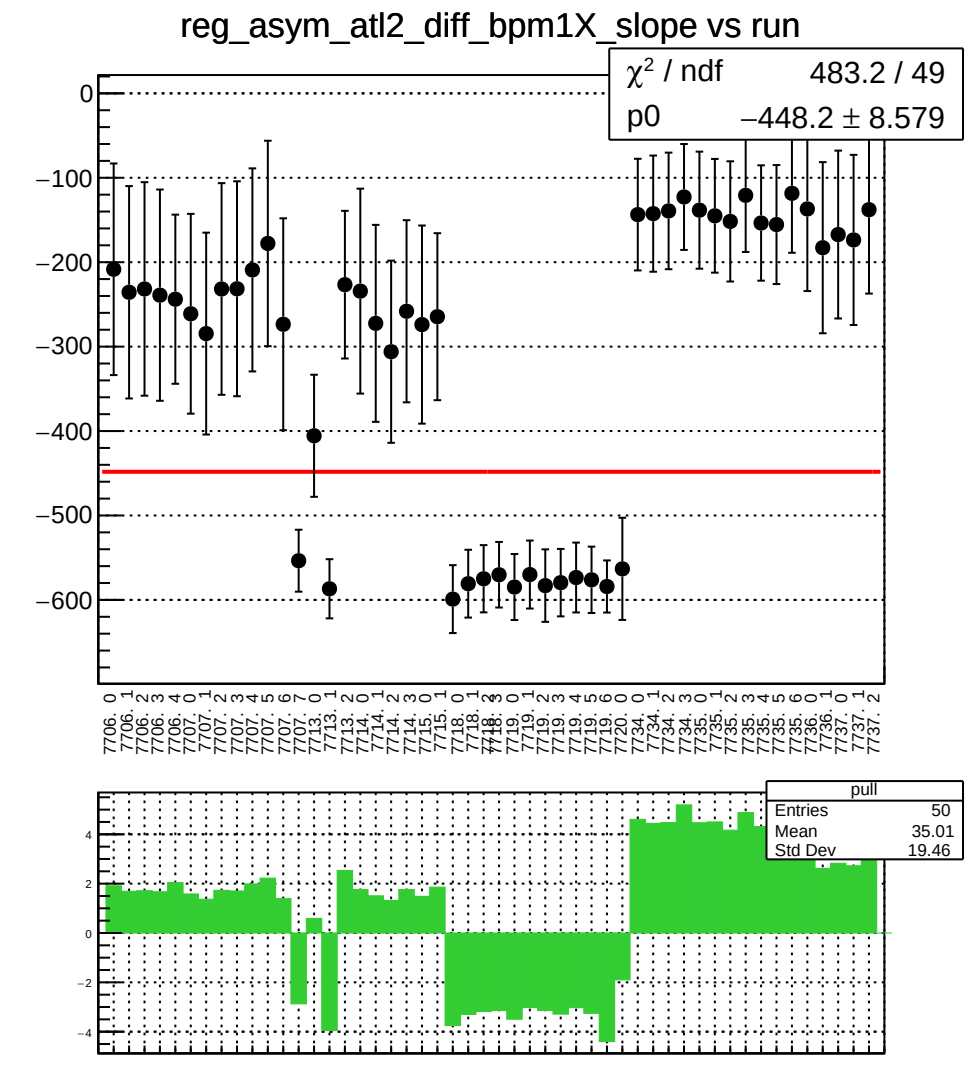

pull1D
Entries 50
Mean −0.4119
Std Dev 1.302

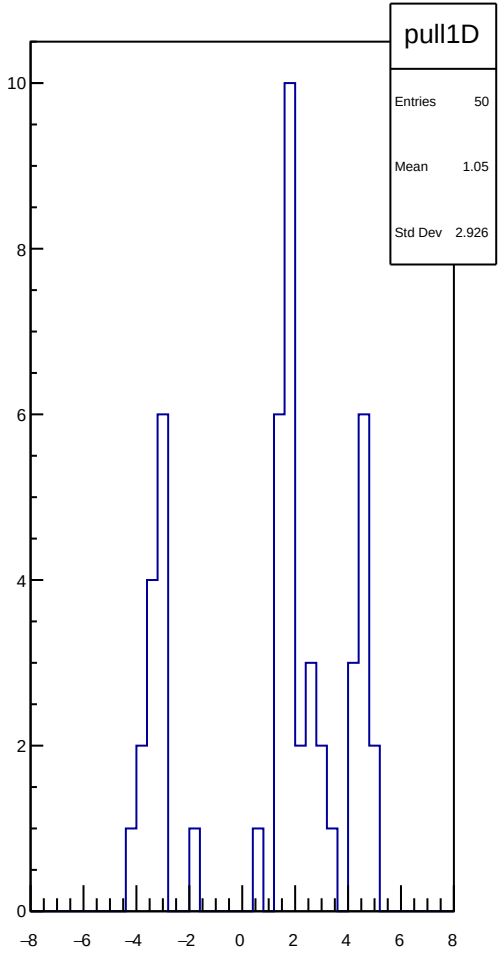

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 42.02 / 49
p0 −5.228 ± 3.962
pull
Entries 50
Mean −14
Std Dev 20.49

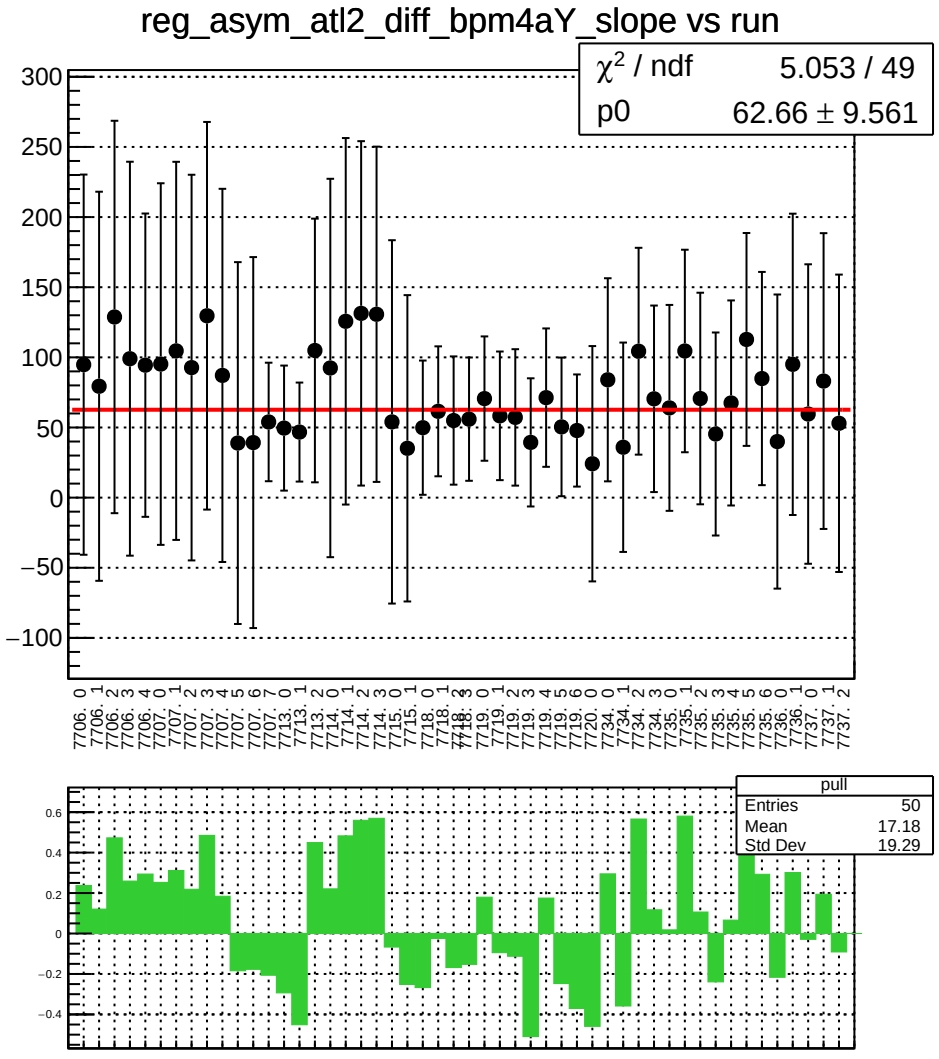

pull1D
Entries 50
Mean 0.0223
Std Dev 0.9164

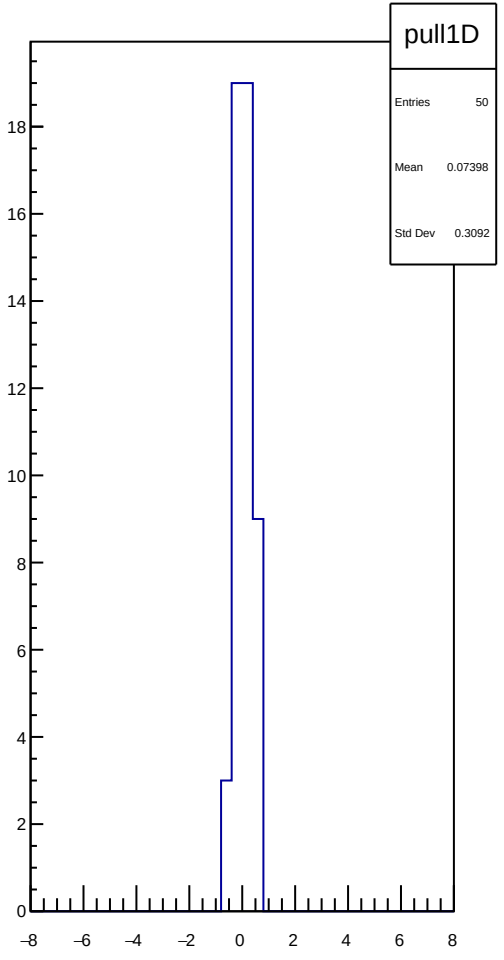

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 1051 / 49
p0 2.39 ± 0.1722
pull
Entries 50
Mean 41.78
Std Dev 32.58

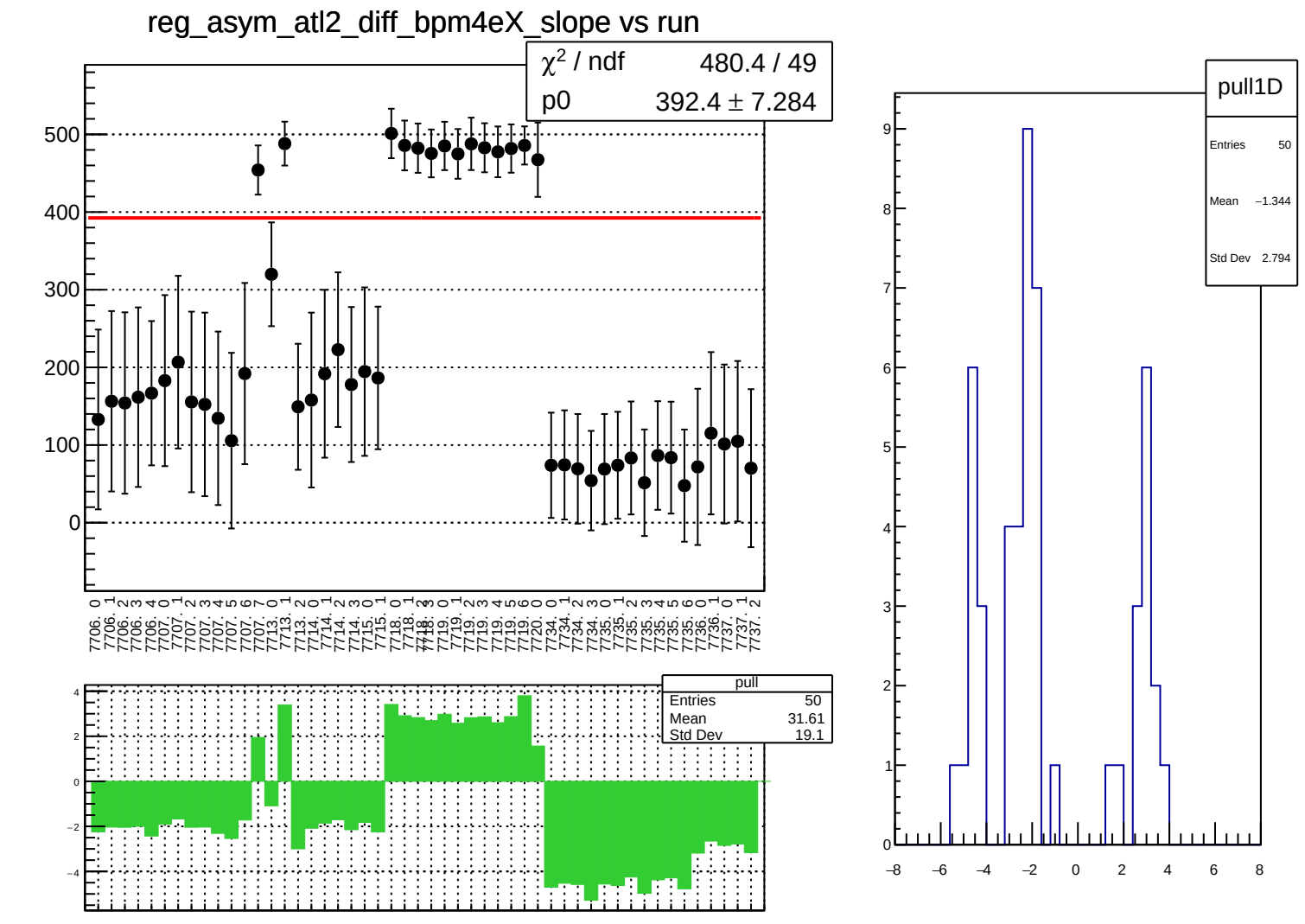

pull1D
Entries 50
Mean −0.09792
Std Dev 4.382

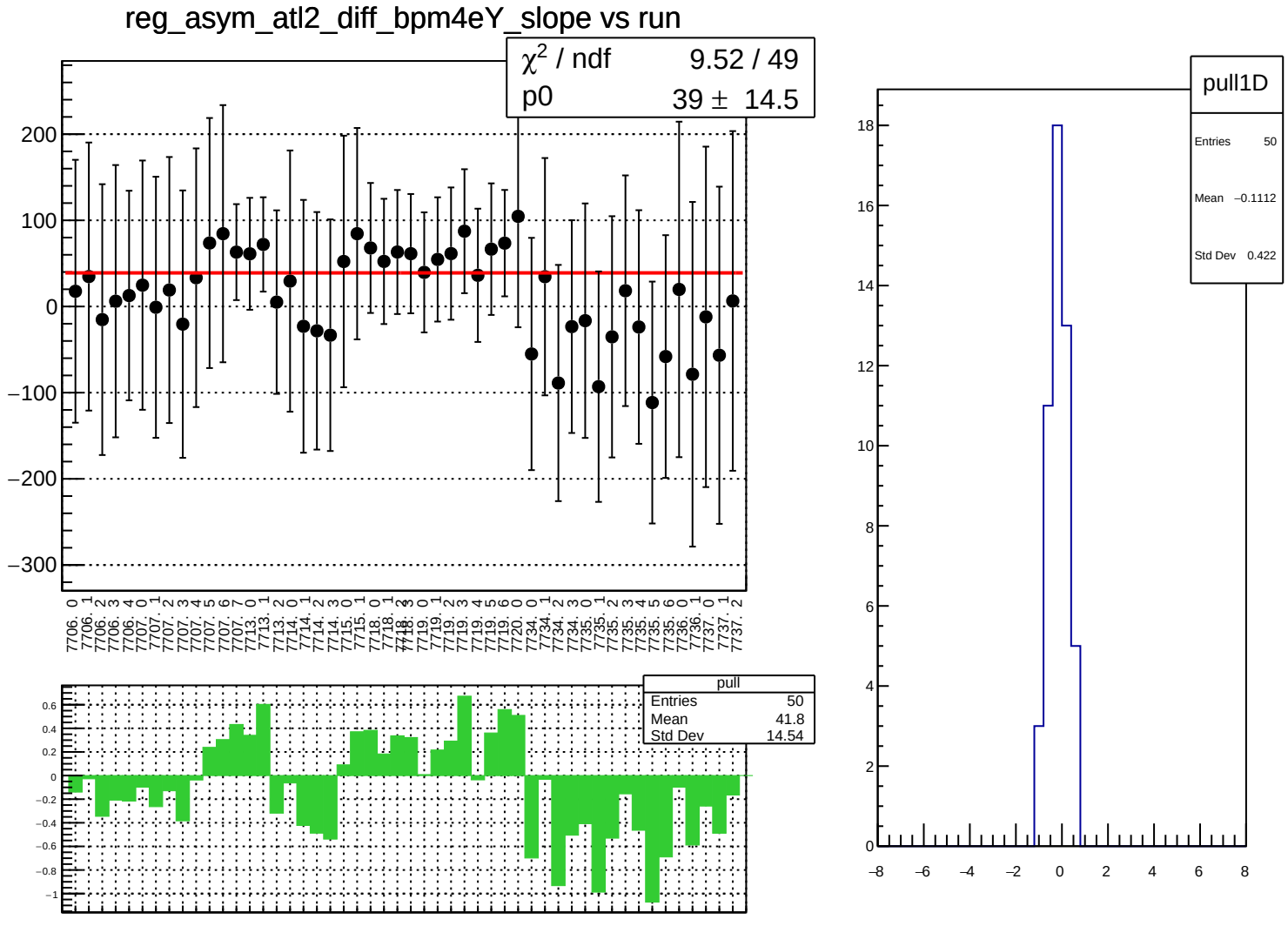

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 483.2 / 49
p0 −448.2 ± 8.579
pull
Entries 50
Mean 35.01
Std Dev 19.46

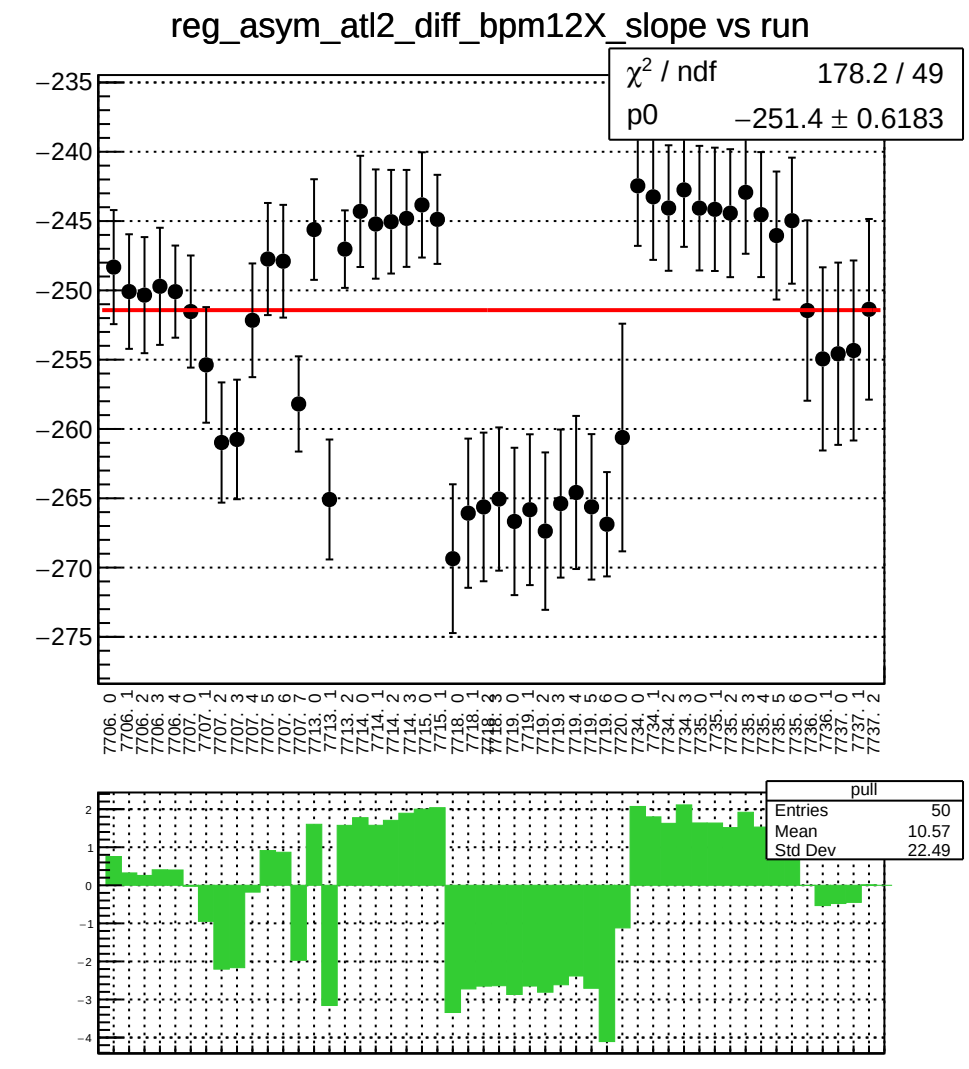

pull1D
Entries 50
Mean 1.05
Std Dev 2.926

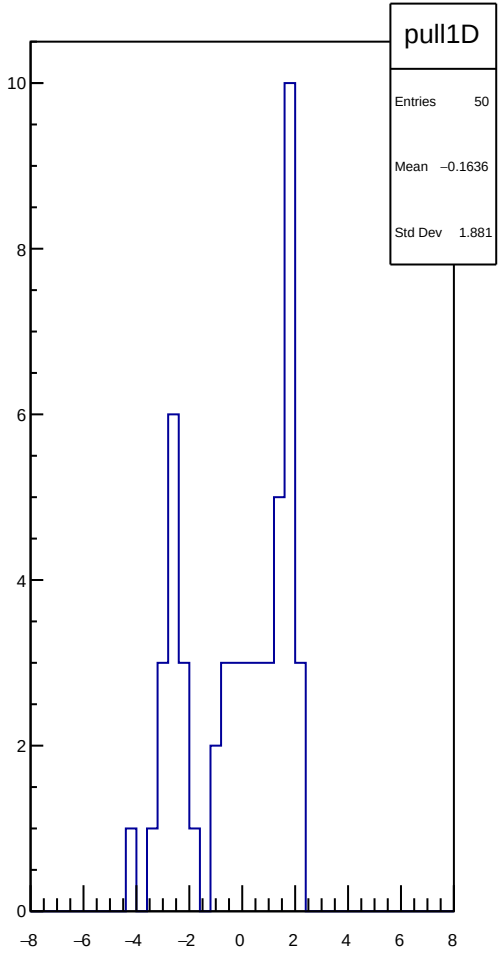

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.053 / 49
p0 62.66 ± 9.561
pull
Entries 50
Mean 17.18
Std Dev 19.29

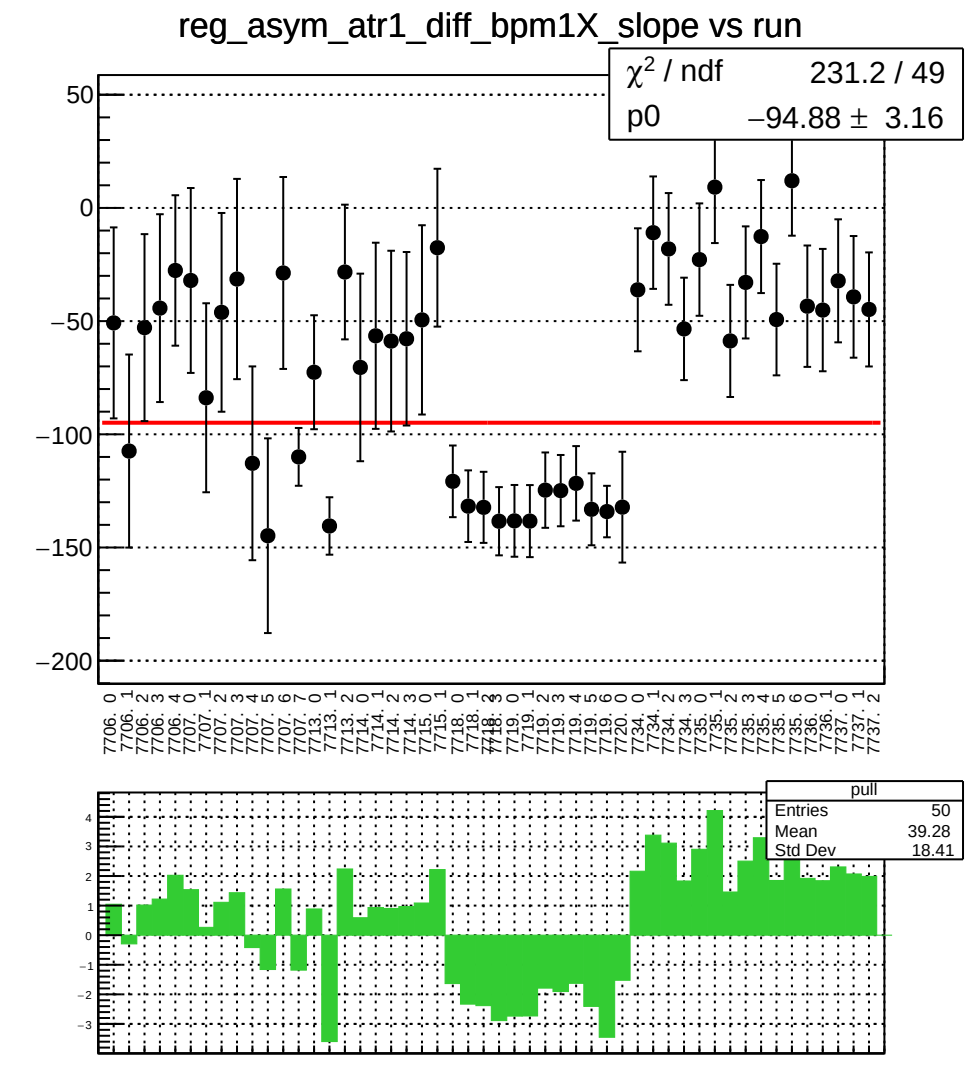

pull1D
Entries 50
Mean 0.07398
Std Dev 0.3092

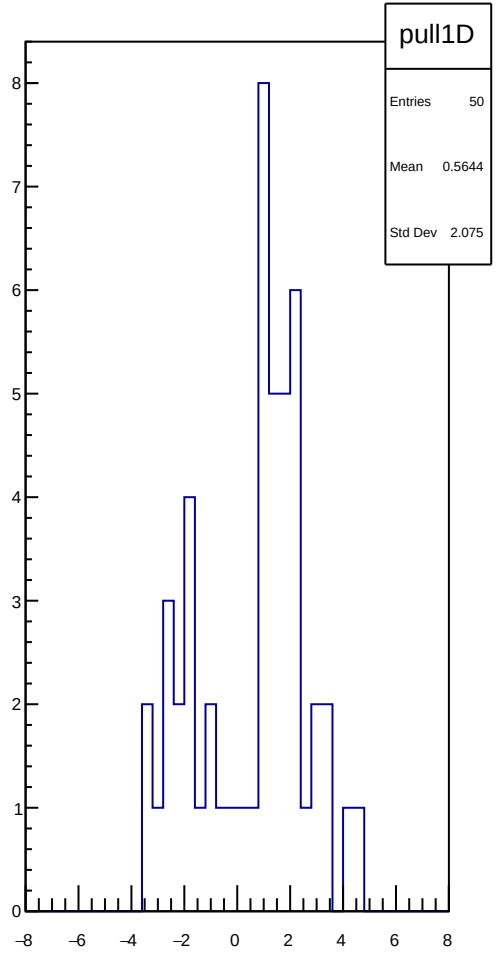

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 480.4 / 49
p0 392.4 ± 7.284
pull
Entries 50
Mean 31.61
Std Dev 19.1
pull1D
Entries 50
Mean −1.344
Std Dev 2.794

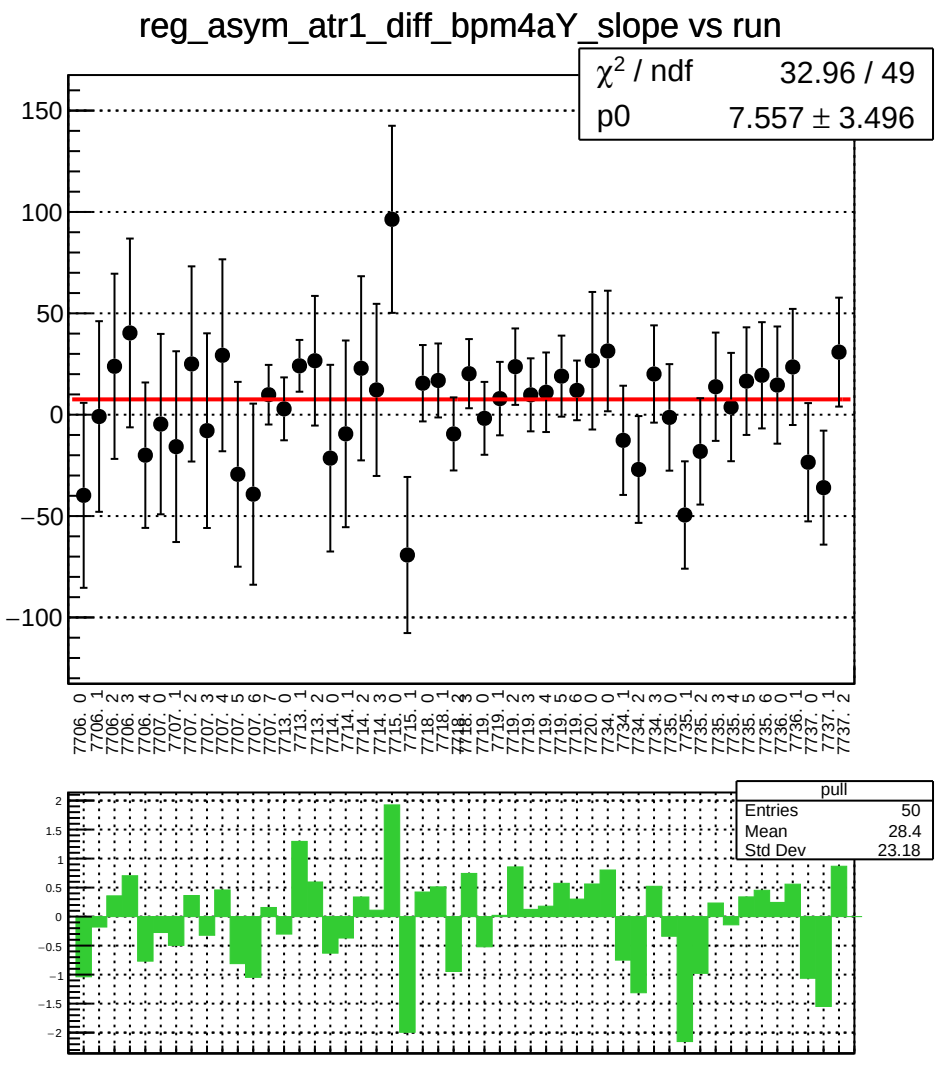

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.52 / 49
p0 39 ± 14.5
pull
Entries 50
Mean 41.8
Std Dev 14.54
pull1D
Entries 50
Mean −0.1112
Std Dev 0.422

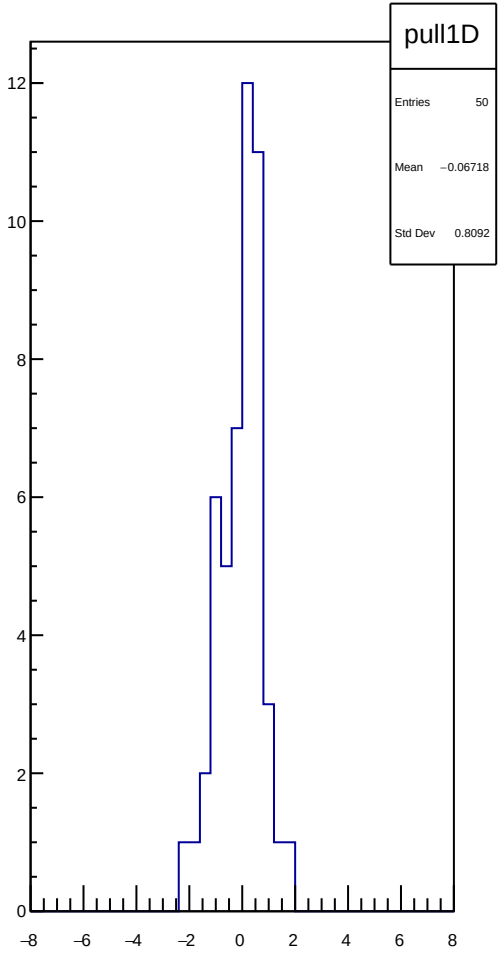

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 178.2 / 49
p0 −251.4 ± 0.6183
pull
Entries 50
Mean 10.57
Std Dev 22.49

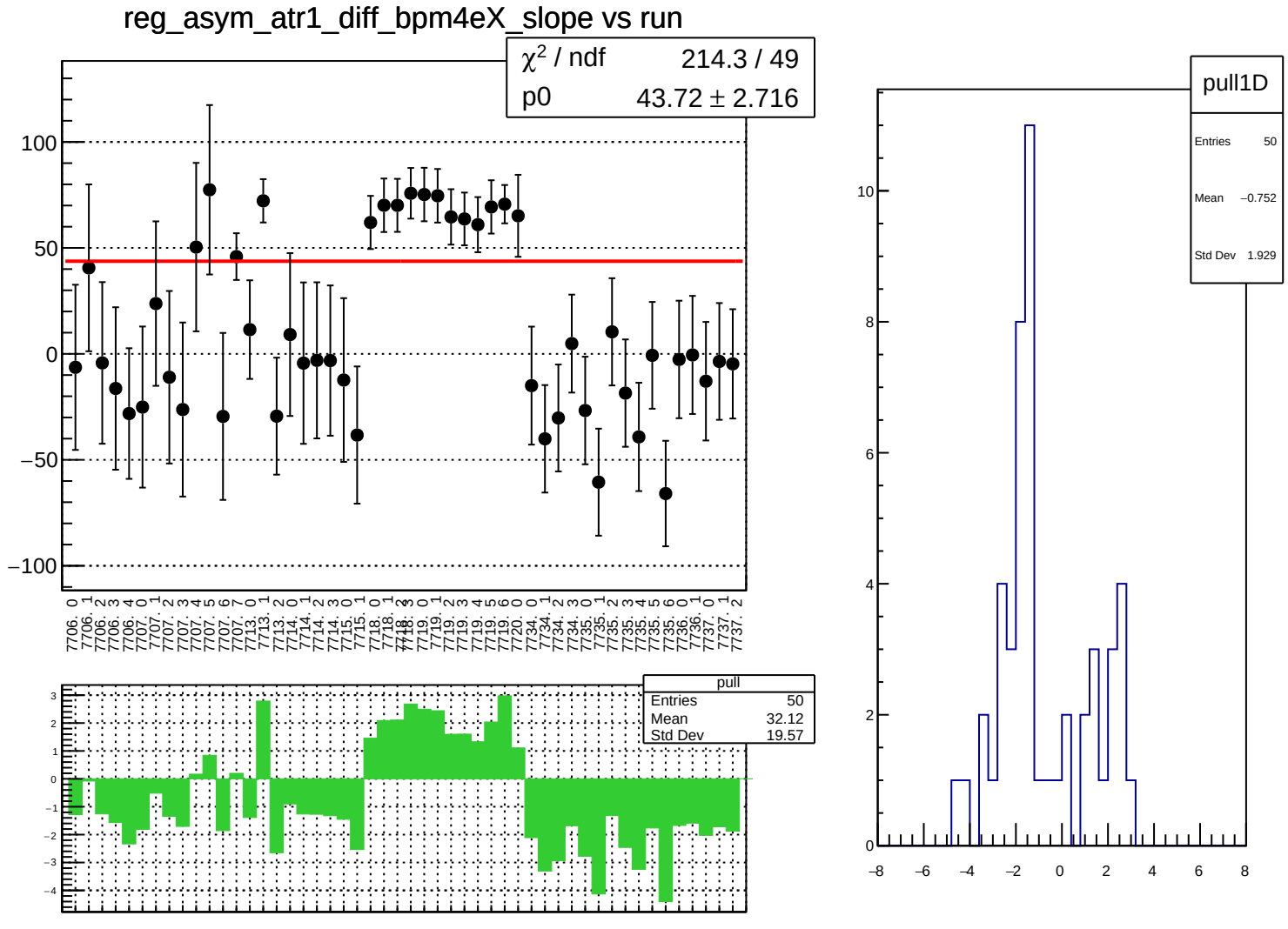

pull1D
Entries 50
Mean −0.1636
Std Dev 1.881

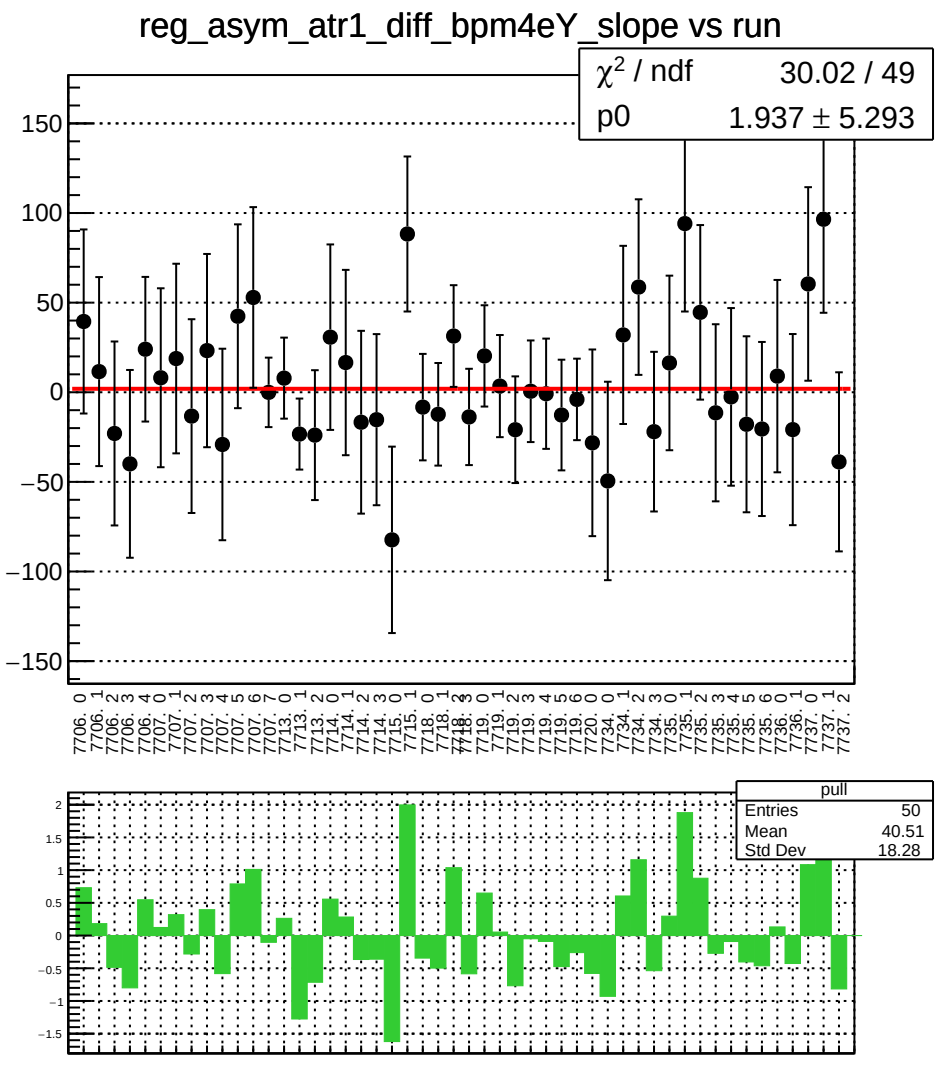

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 231.2 / 49
p0 −94.88 ± 3.16
pull
Entries 50
Mean 39.28
Std Dev 18.41

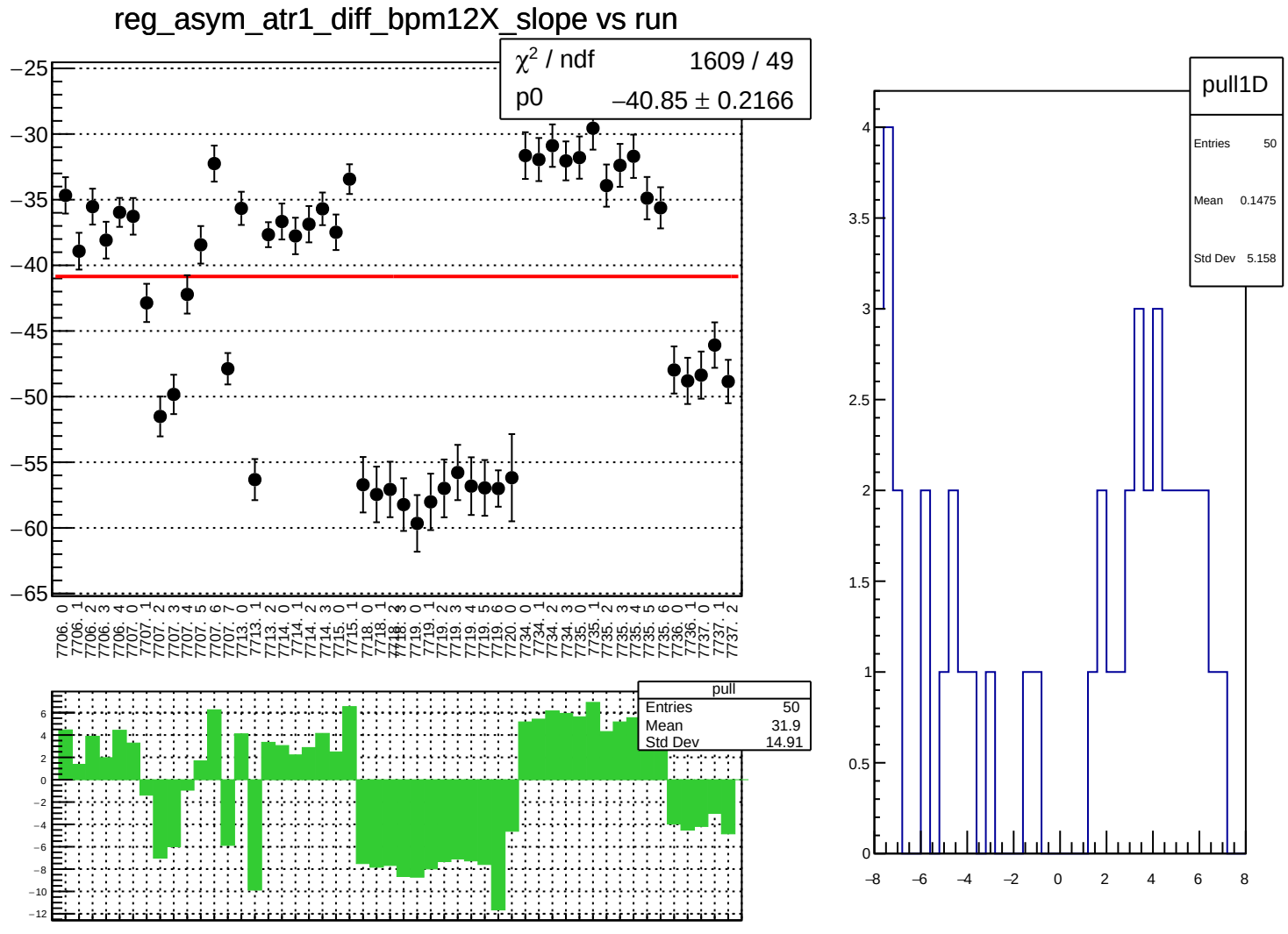

pull1D
Entries 50
Mean 0.5644
Std Dev 2.075

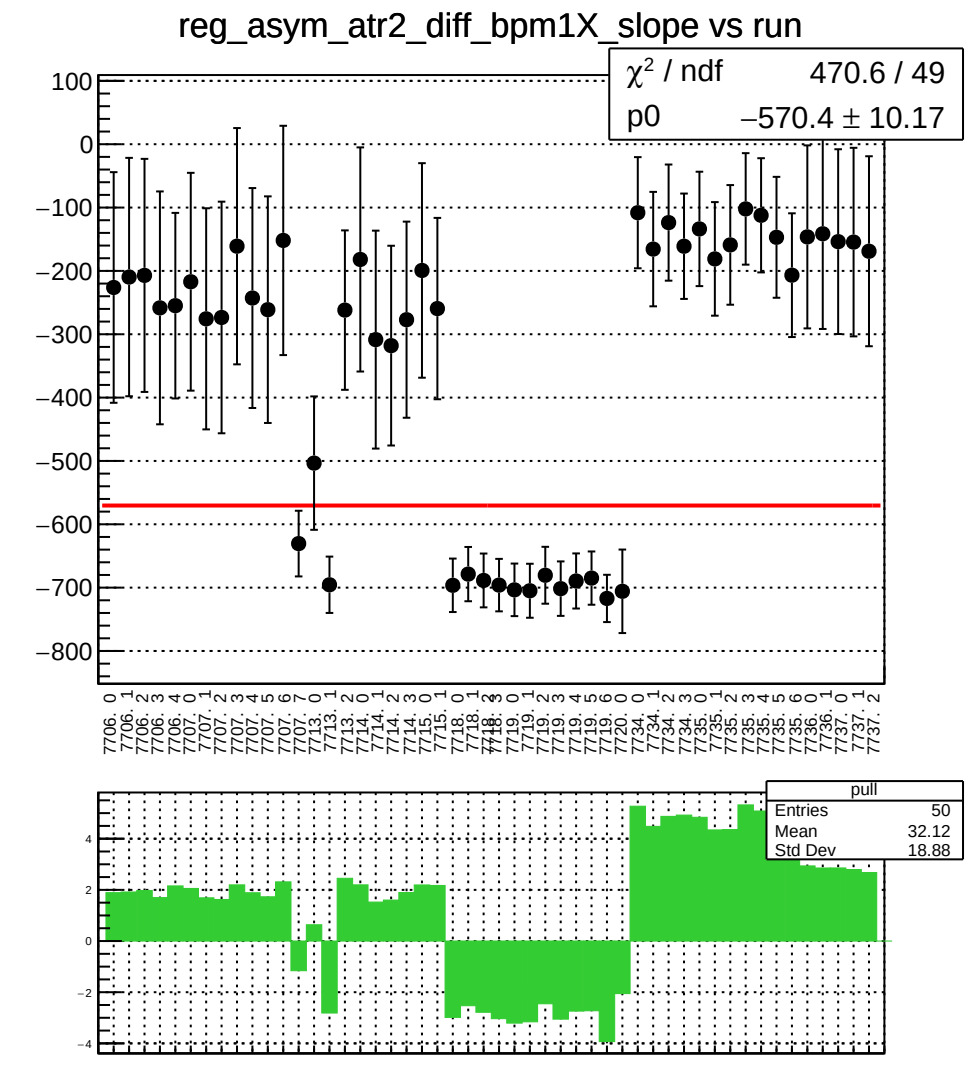

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 32.96 / 49
p0 7.557 ± 3.496
150
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 28.4
Std Dev 23.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

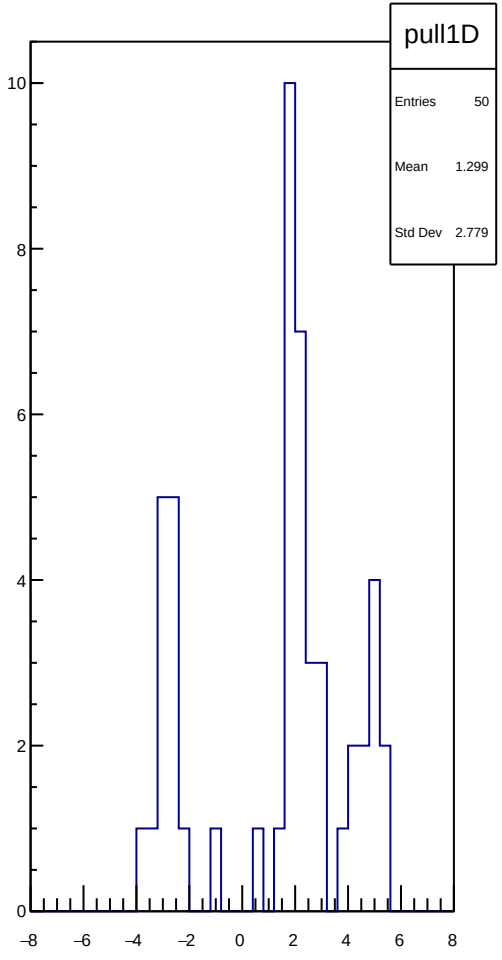

pull1D
Entries 50
Mean −0.06718
Std Dev 0.8092
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

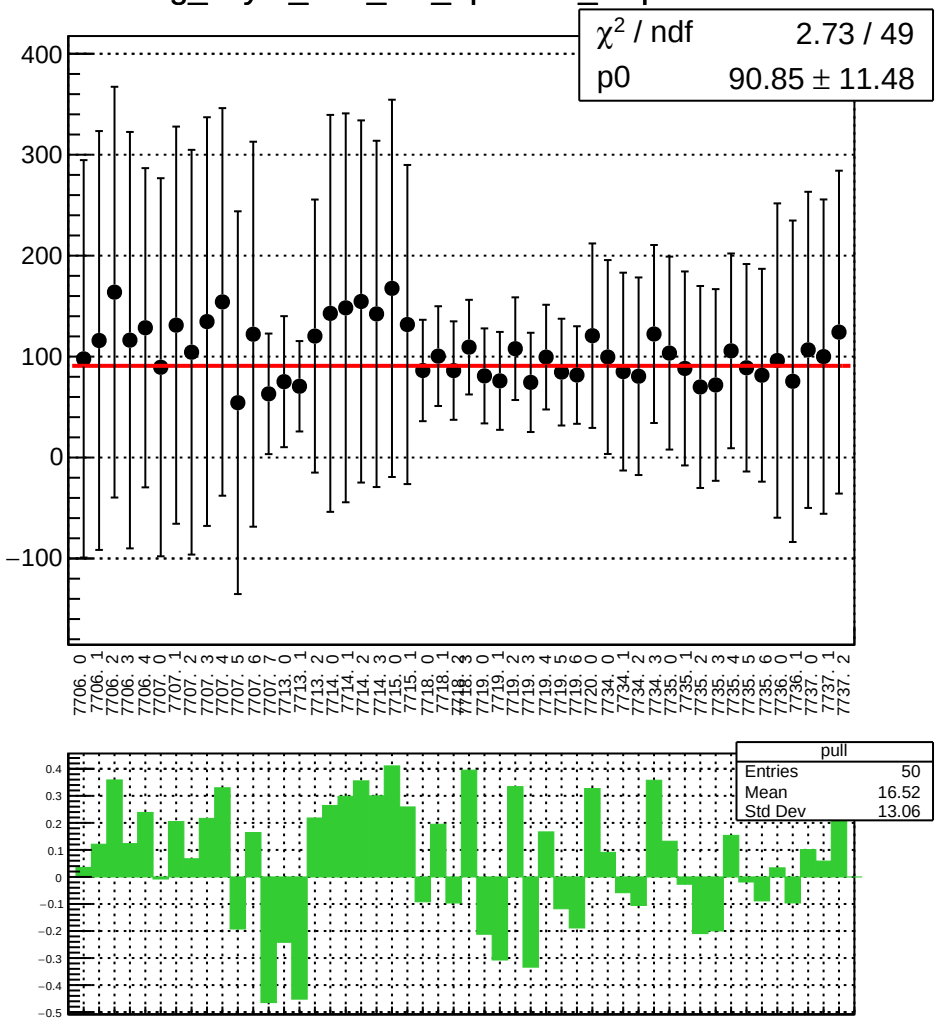

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 214.3 / 49
p0 43.72 ± 2.716
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 32.12
Std Dev 19.57
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 50
Mean −0.752
Std Dev 1.929
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

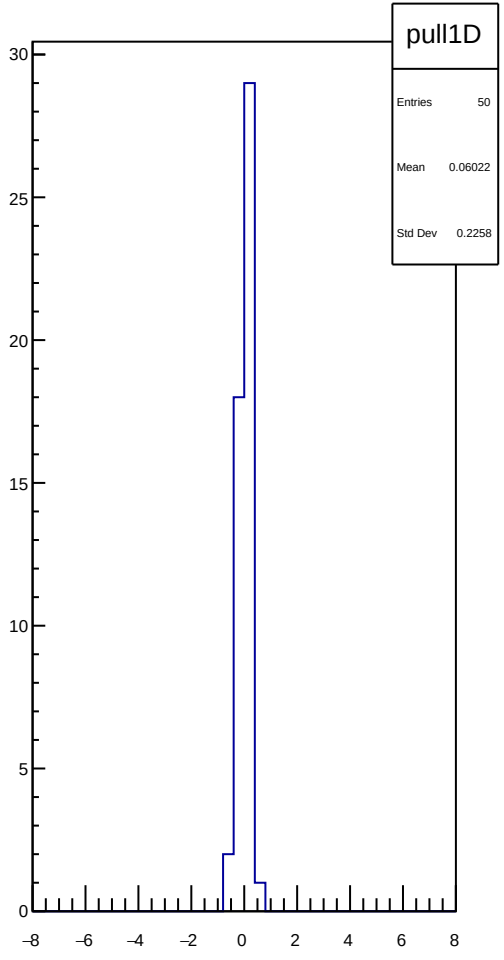

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 30.02 / 49
p0 1.937 ± 5.293
150
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 40.51
Std Dev 18.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.05218
Std Dev 0.7731
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

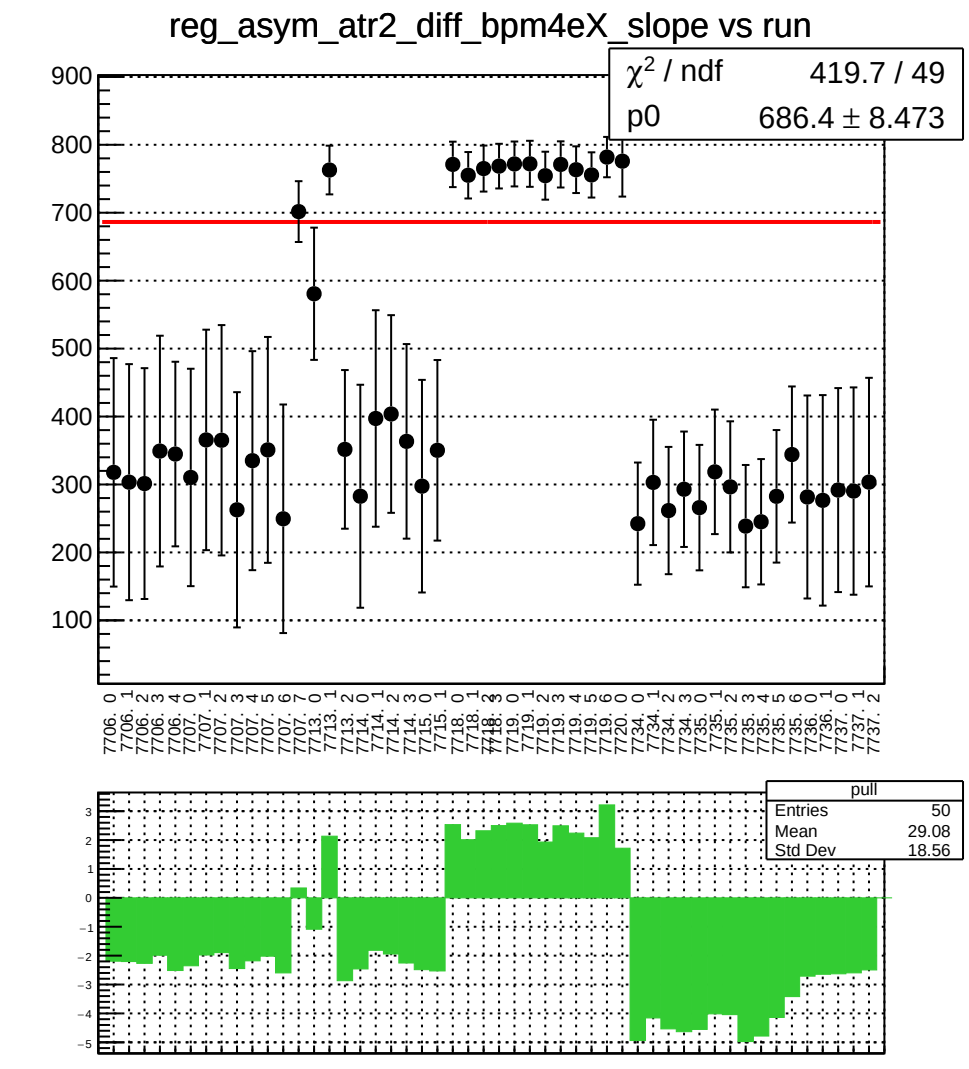

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1609 / 49
p0 −40.85 ± 0.2166
pull
Entries 50
Mean 31.9
Std Dev 14.91
pull1D
Entries 50
Mean 0.1475
Std Dev 5.158

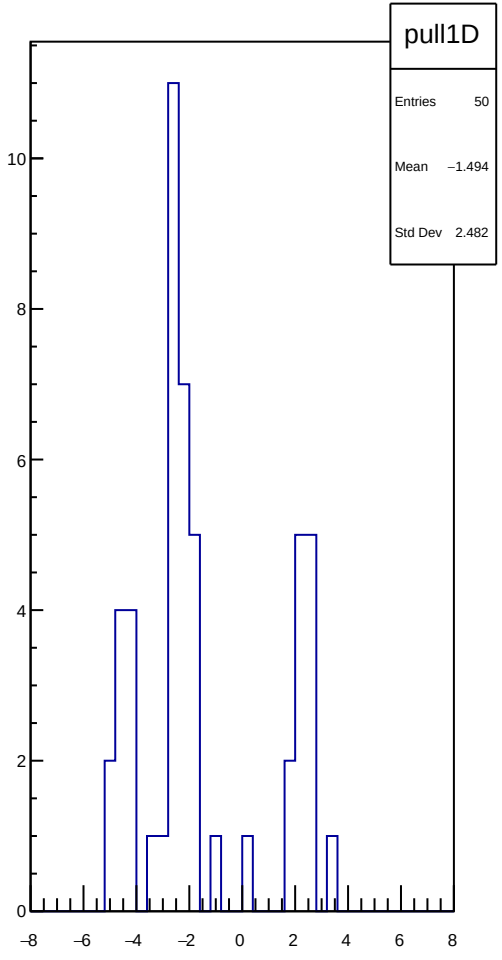

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 470.6 / 49
p0 −570.4 ± 10.17
pull
Entries 50
Mean 32.12
Std Dev 18.88

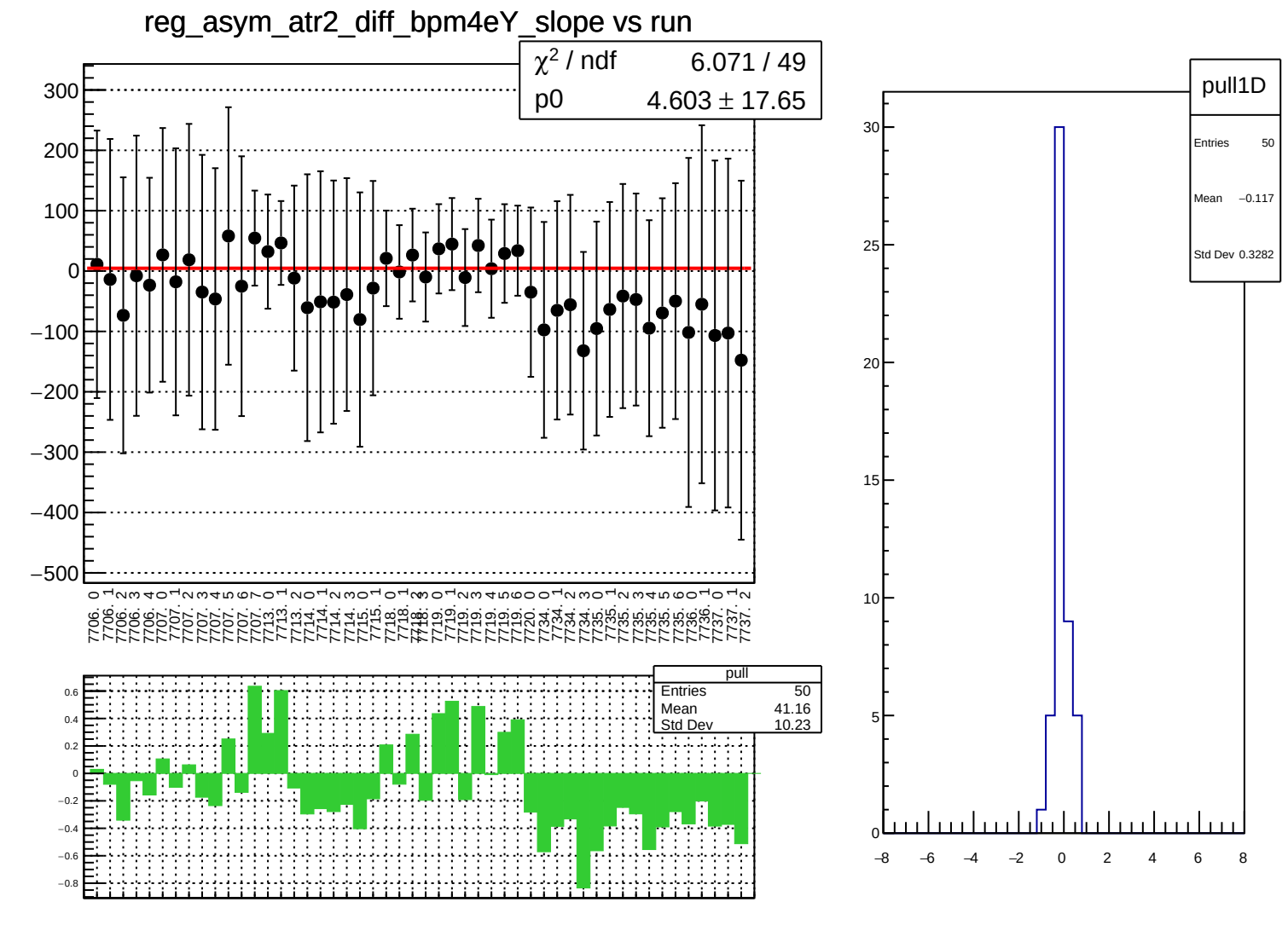

pull1D
Entries 50
Mean 1.299
Std Dev 2.779

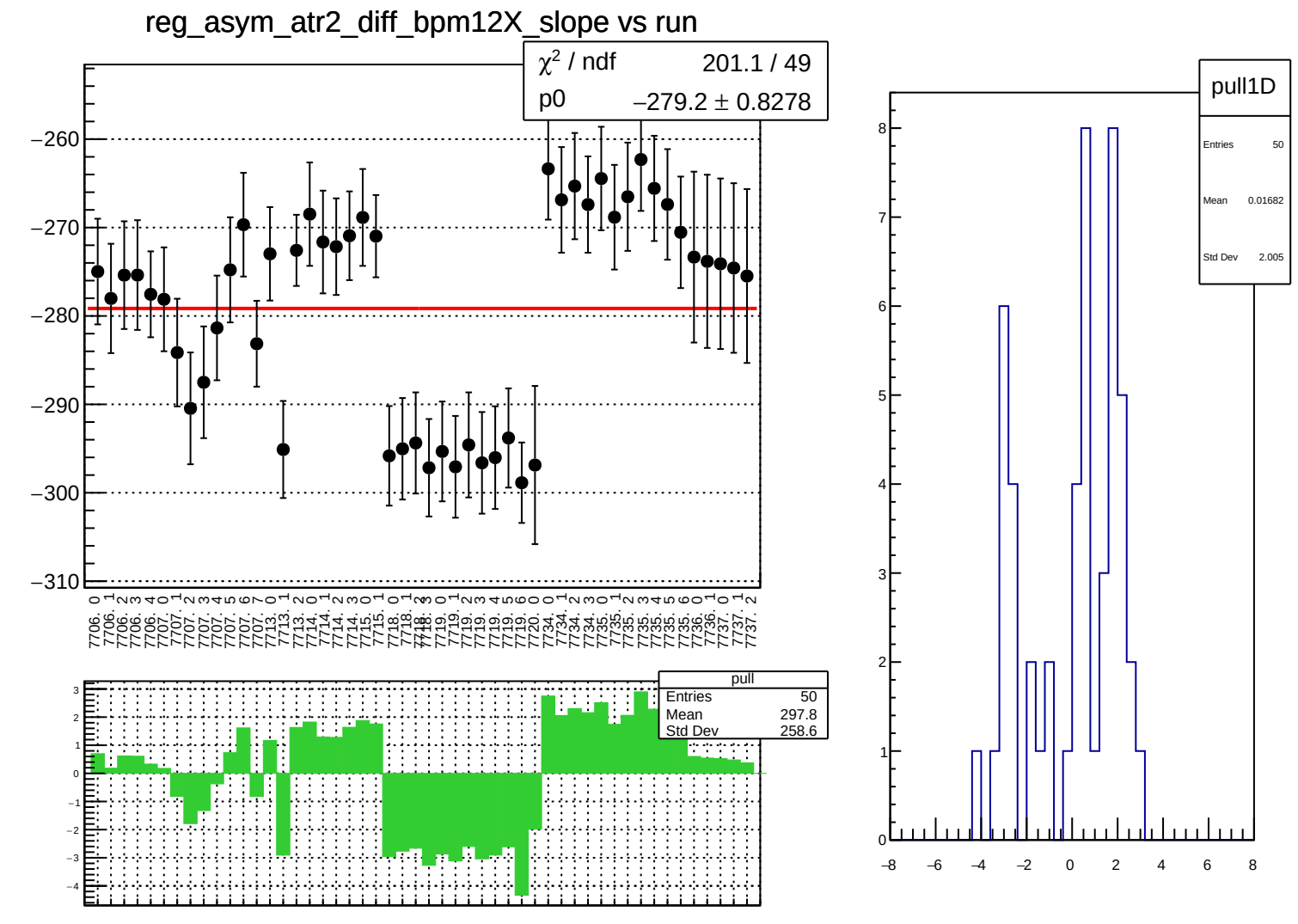

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.73 / 49
p0 90.85 ± 11.48
pull
Entries 50
Mean 16.52
Std Dev 13.06

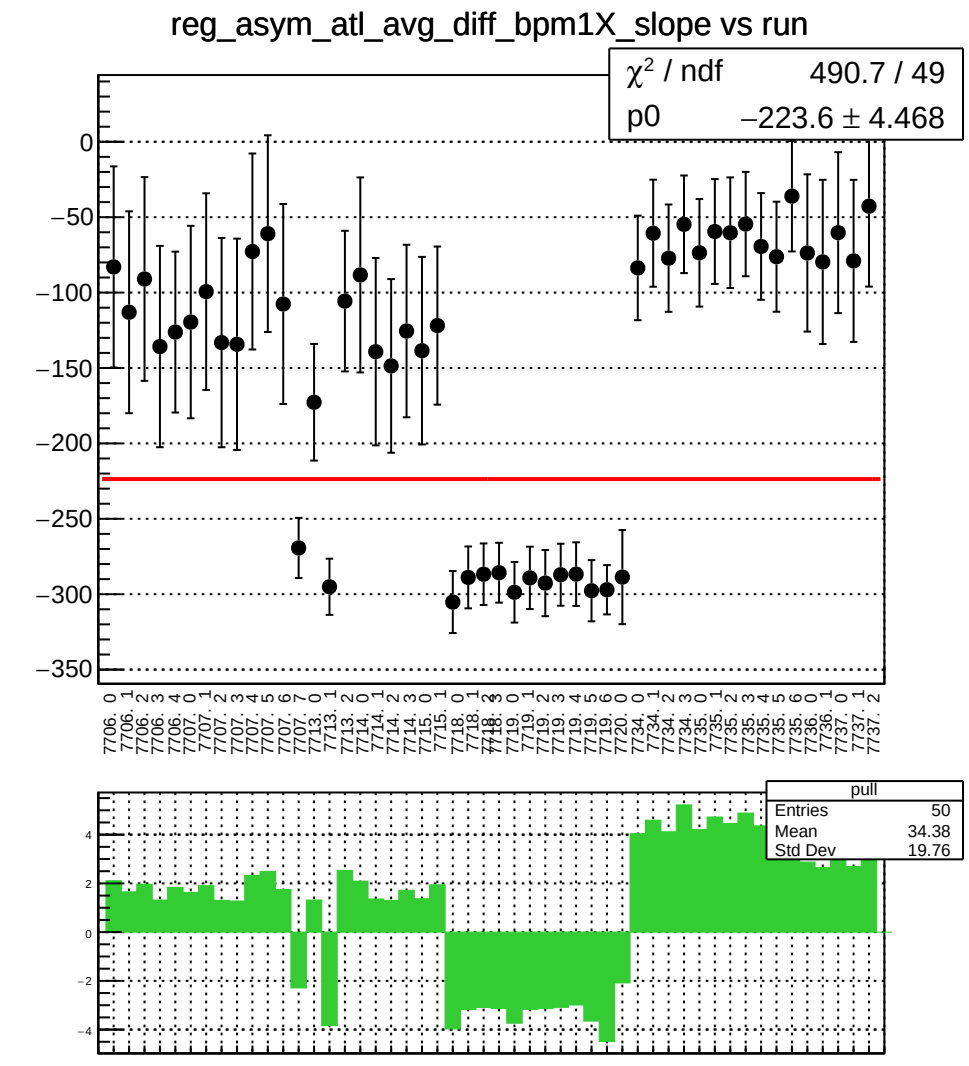

pull1D
Entries 50
Mean 0.06022
Std Dev 0.2258

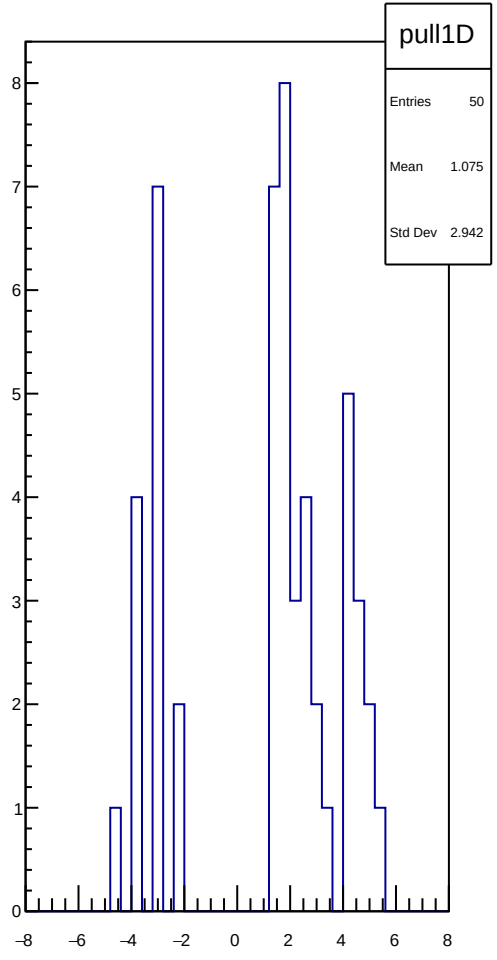

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 419.7 / 49
p0 686.4 ± 8.473
pull
Entries 50
Mean 29.08
Std Dev 18.56

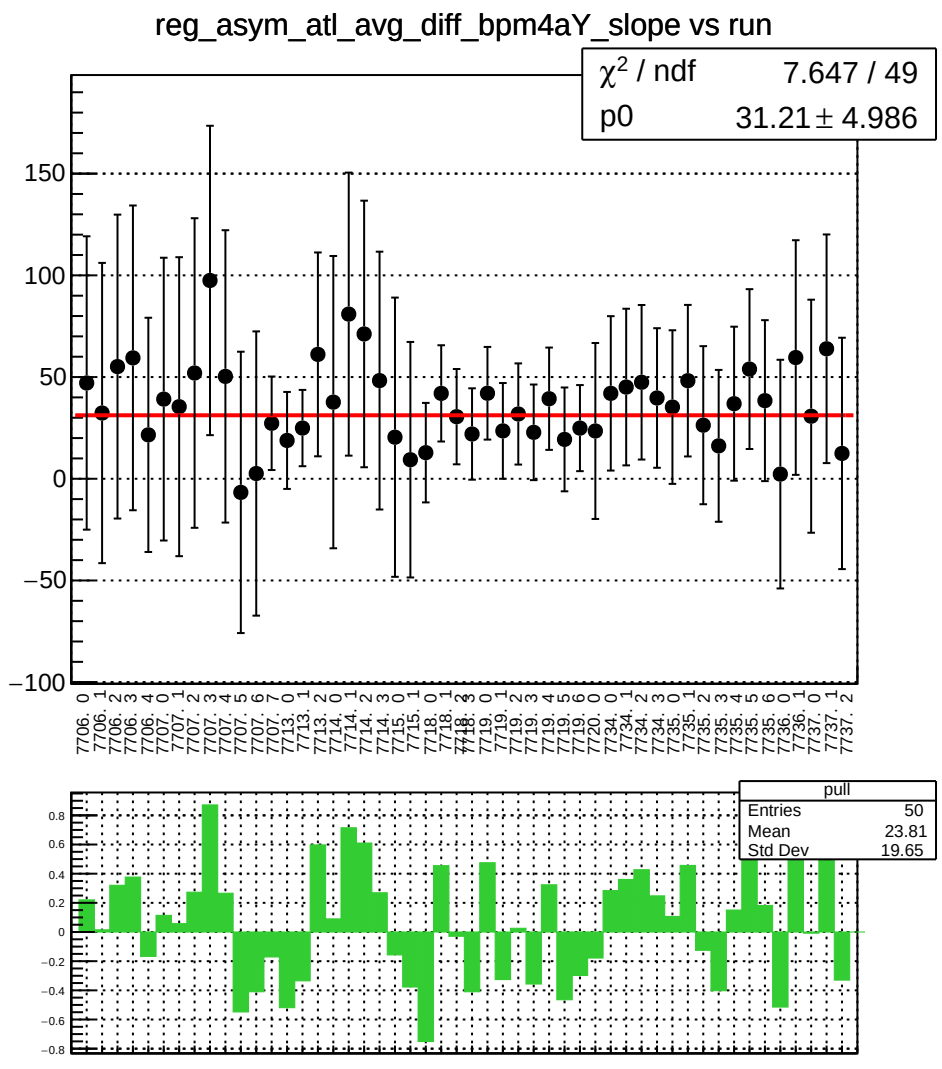

pull1D
Entries 50
Mean −1.494
Std Dev 2.482

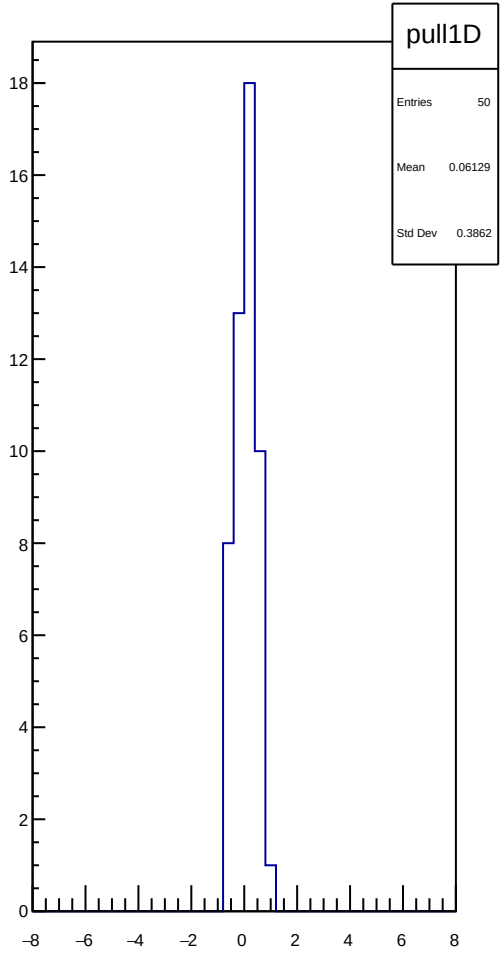

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.071 / 49
p0 4.603 ± 17.65
pull
Entries 50
Mean 41.16
Std Dev 10.23
pull1D
Entries 50
Mean −0.117
Std Dev 0.3282

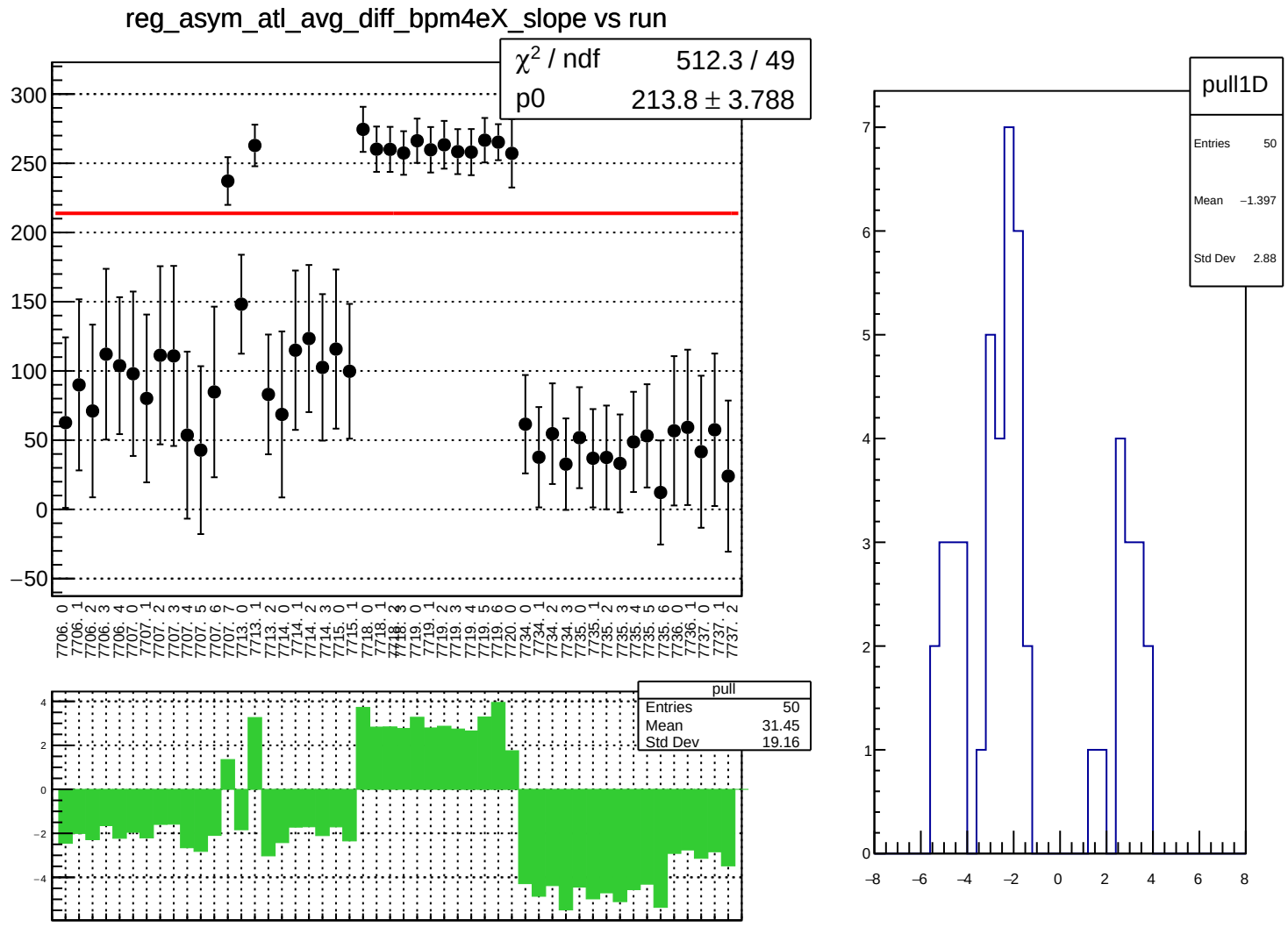

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 201.1 / 49
p0 −279.2 ± 0.8278
−260
−270
−280
−290
−300
−310
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 297.8
Std Dev 258.6
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 50
Mean 0.01682
Std Dev 2.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

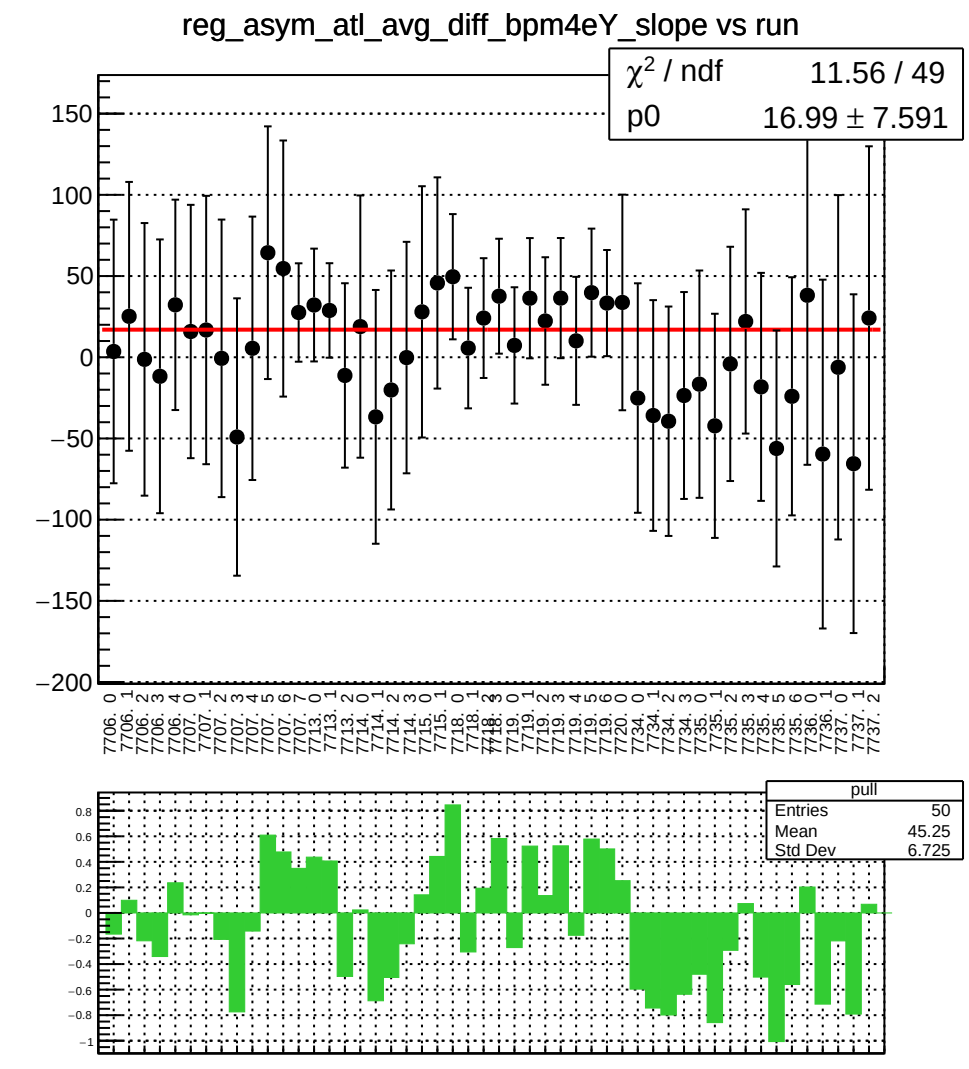

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 490.7 / 49
p0 −223.6 ± 4.468
pull
Entries 50
Mean 34.38
Std Dev 19.76

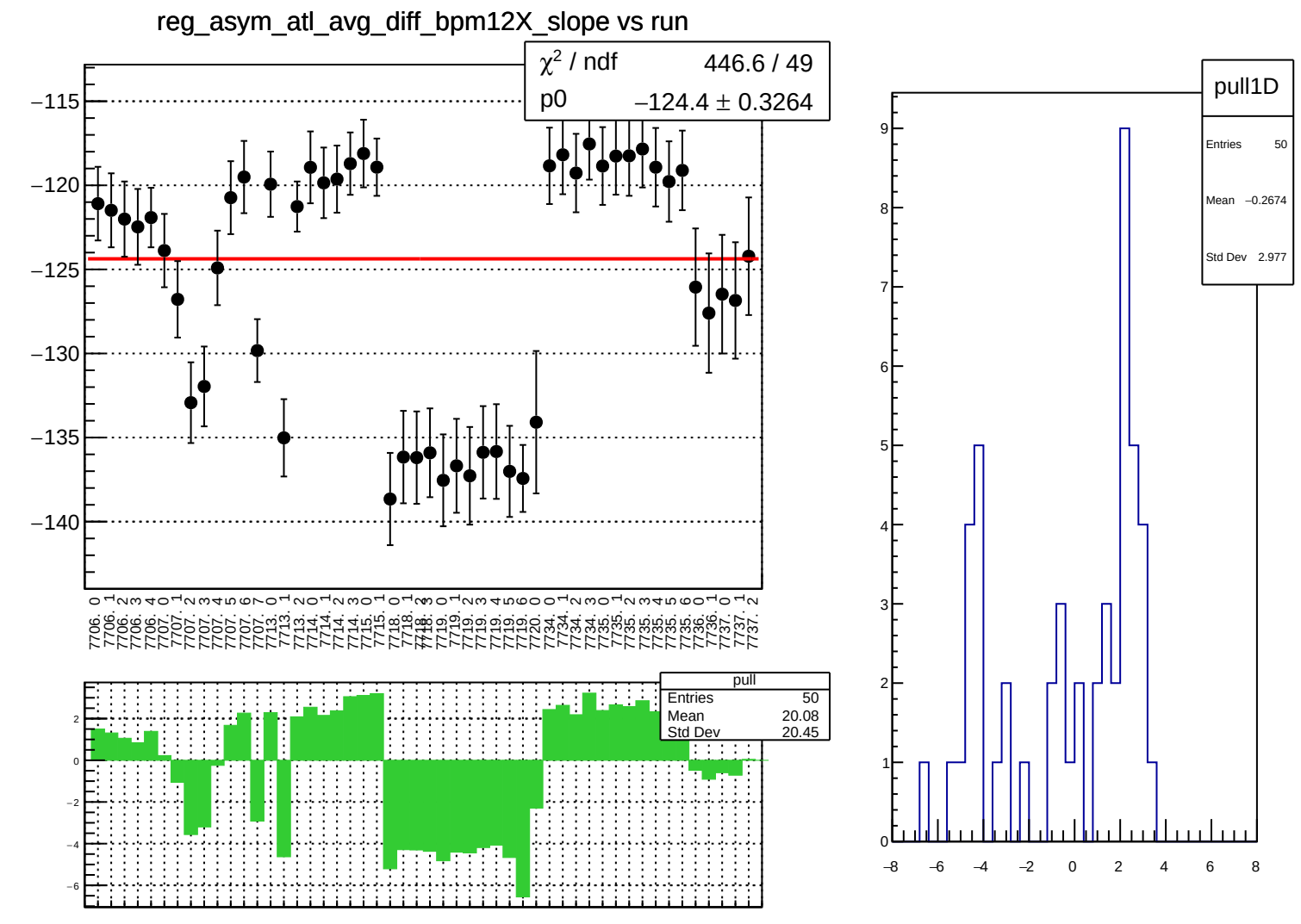

pull1D
Entries 50
Mean 1.075
Std Dev 2.942

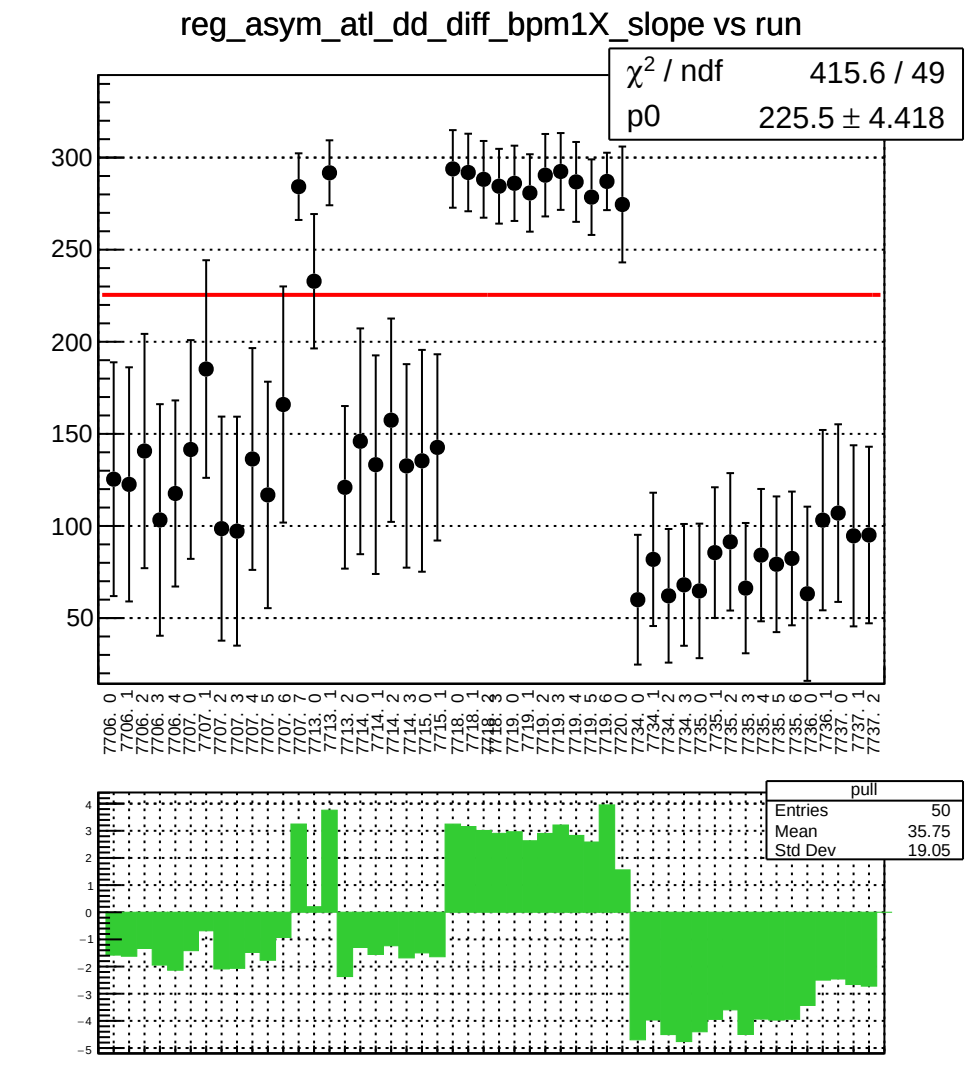

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.647 / 49
p0 31.21 ± 4.986
150
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 23.81
Std Dev 19.65
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

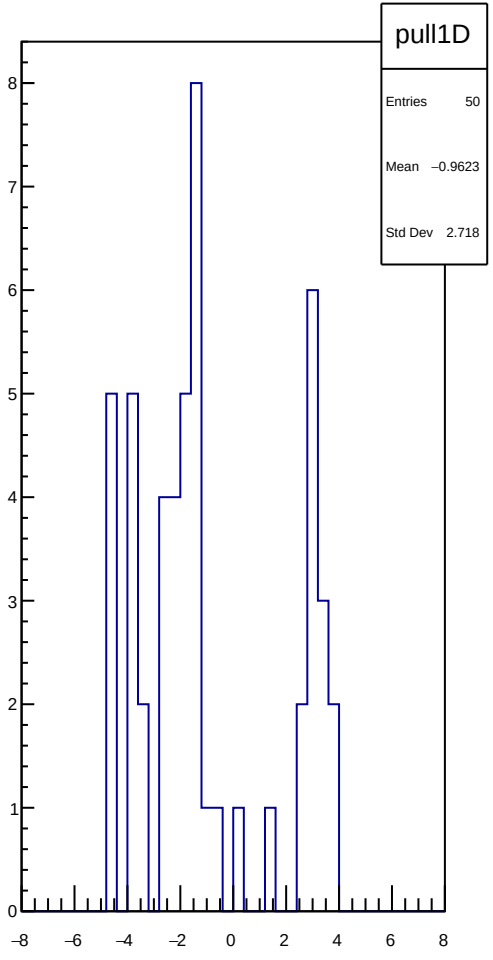

pull1D
Entries 50
Mean 0.06129
Std Dev 0.3862
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

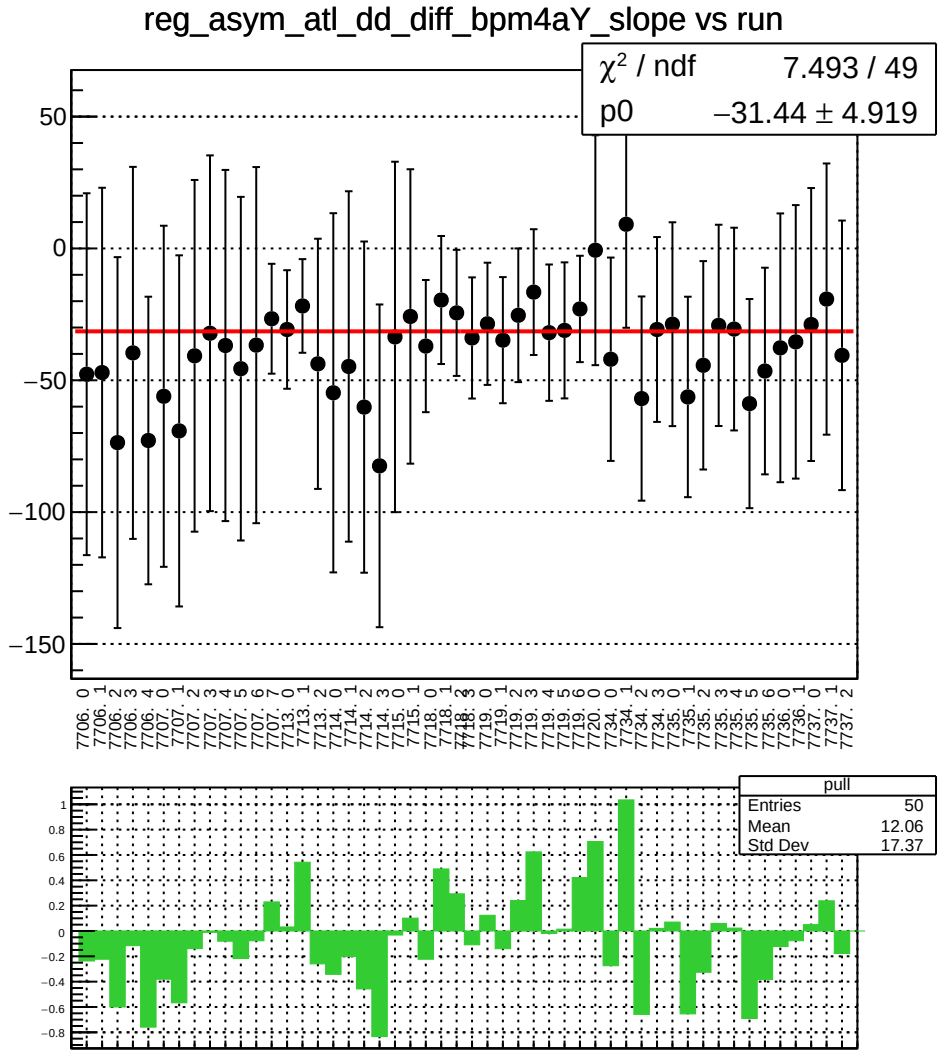

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 512.3 / 49
p0 213.8 ± 3.788
pull
Entries 50
Mean 31.45
Std Dev 19.16
pull1D
Entries 50
Mean −1.397
Std Dev 2.88

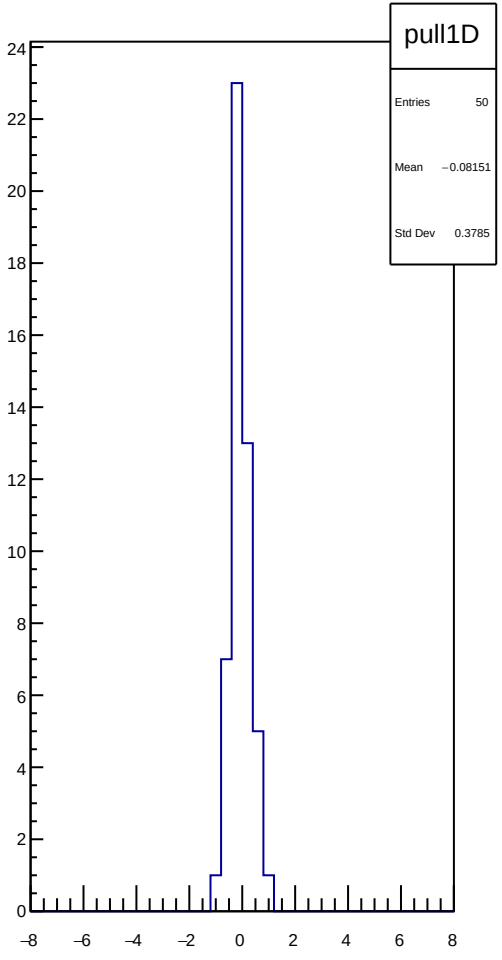

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.56 / 49
p0 16.99 ± 7.591
150
100
50
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 45.25
Std Dev 6.725
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 50
Mean −0.1007
Std Dev 0.4702
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

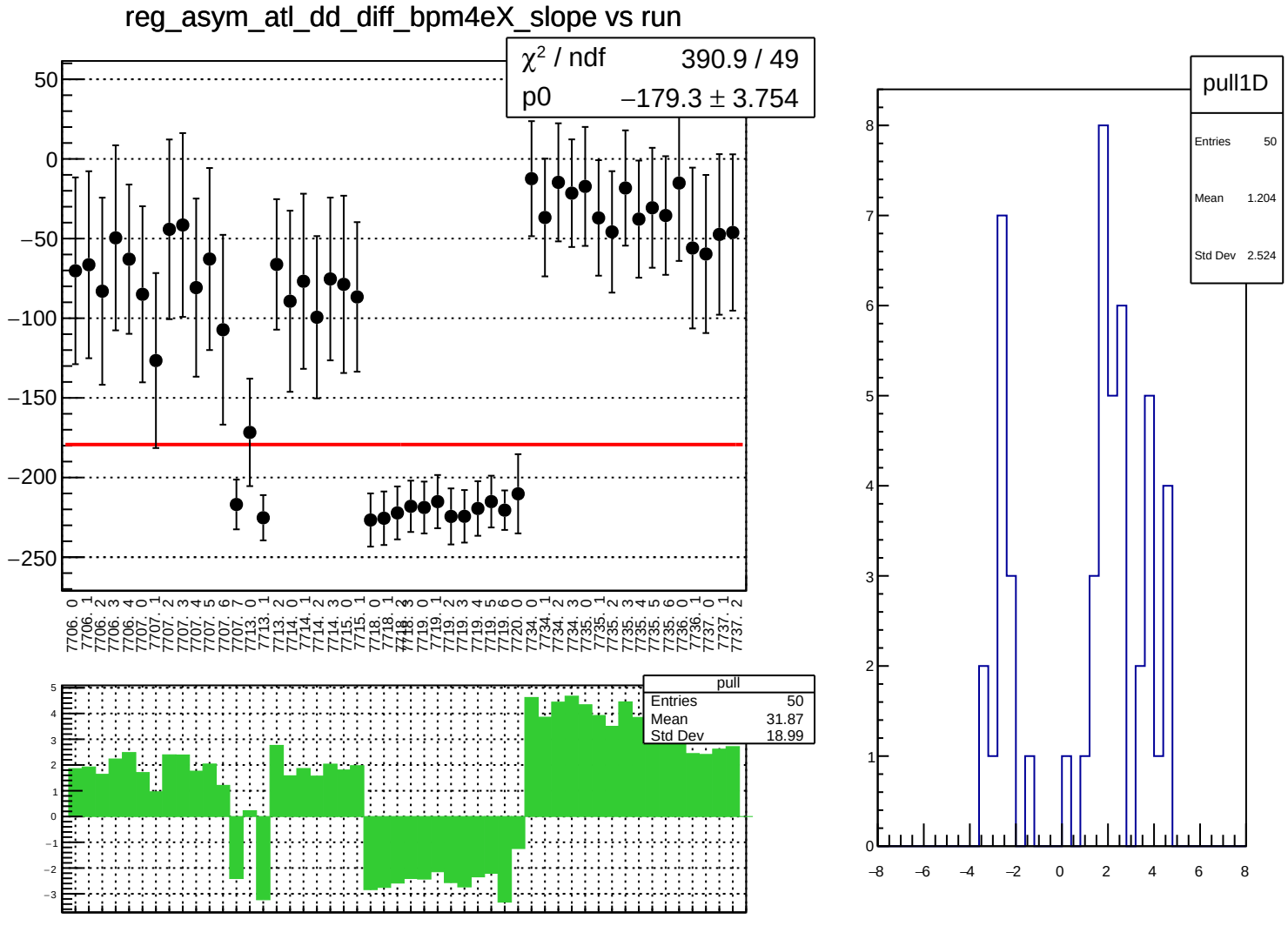

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 446.6 / 49
p0 −124.4 ± 0.3264
−115
−120
−125
−130
−135
−140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 20.08
Std Dev 20.45
2
0
−2
−4
−6
pull1D
Entries 50
Mean −0.2674
Std Dev 2.977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

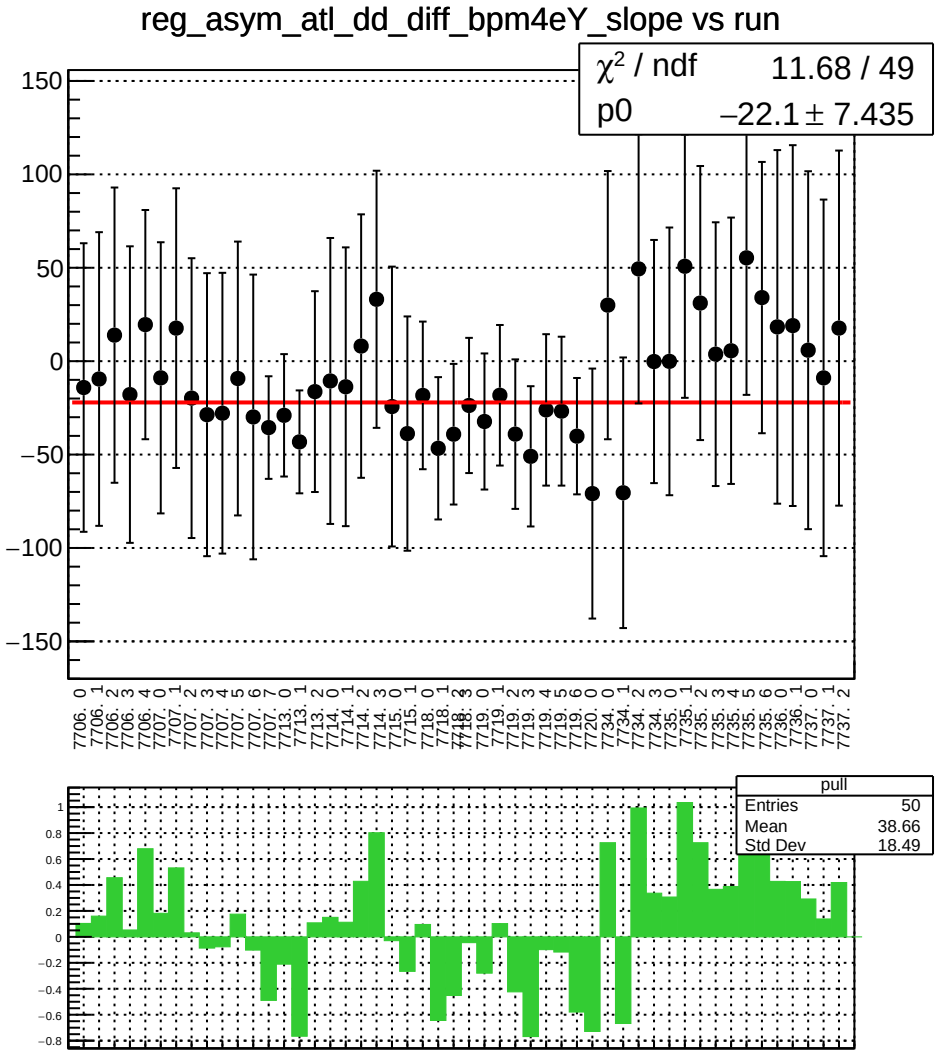

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 415.6 / 49
p0 225.5 ± 4.418
300
250
200
150
100
50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 35.75
Std Dev 19.05
4
3
2
1
0
−1
−2
−3
−4
−5

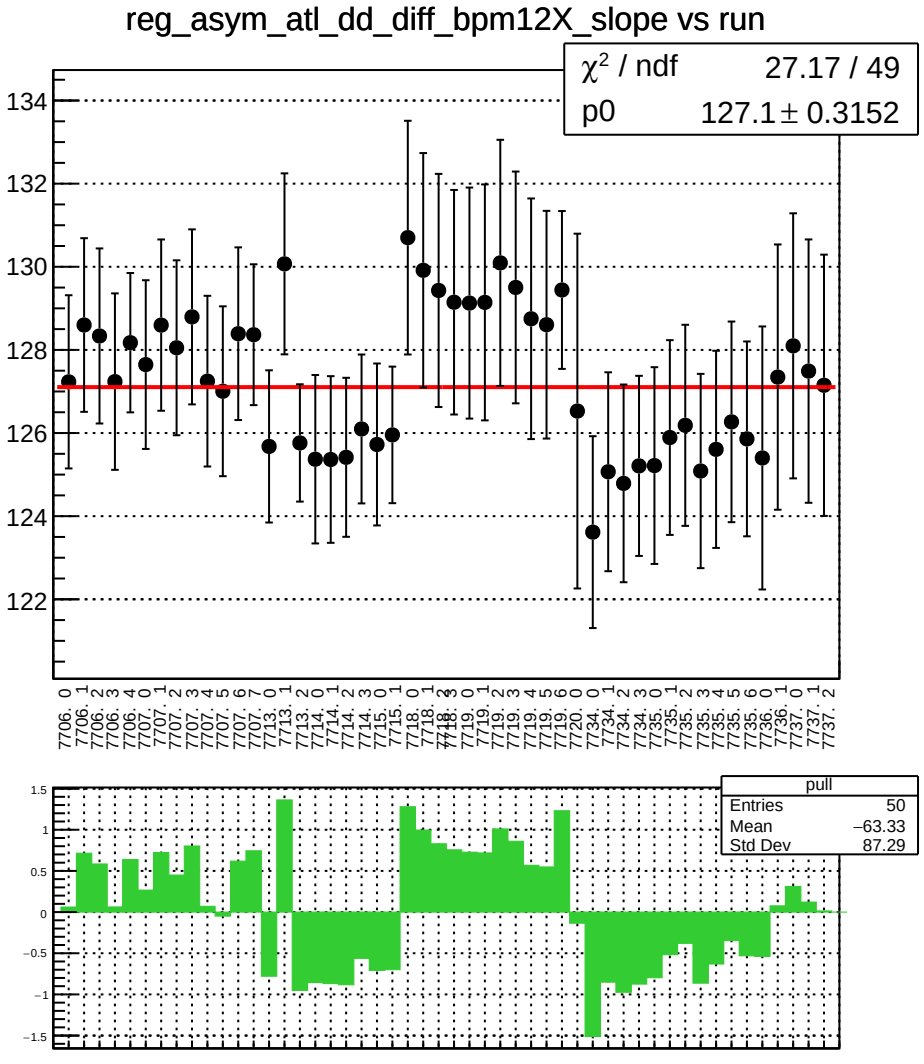

pull1D
Entries 50
Mean −0.9623
Std Dev 2.718
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

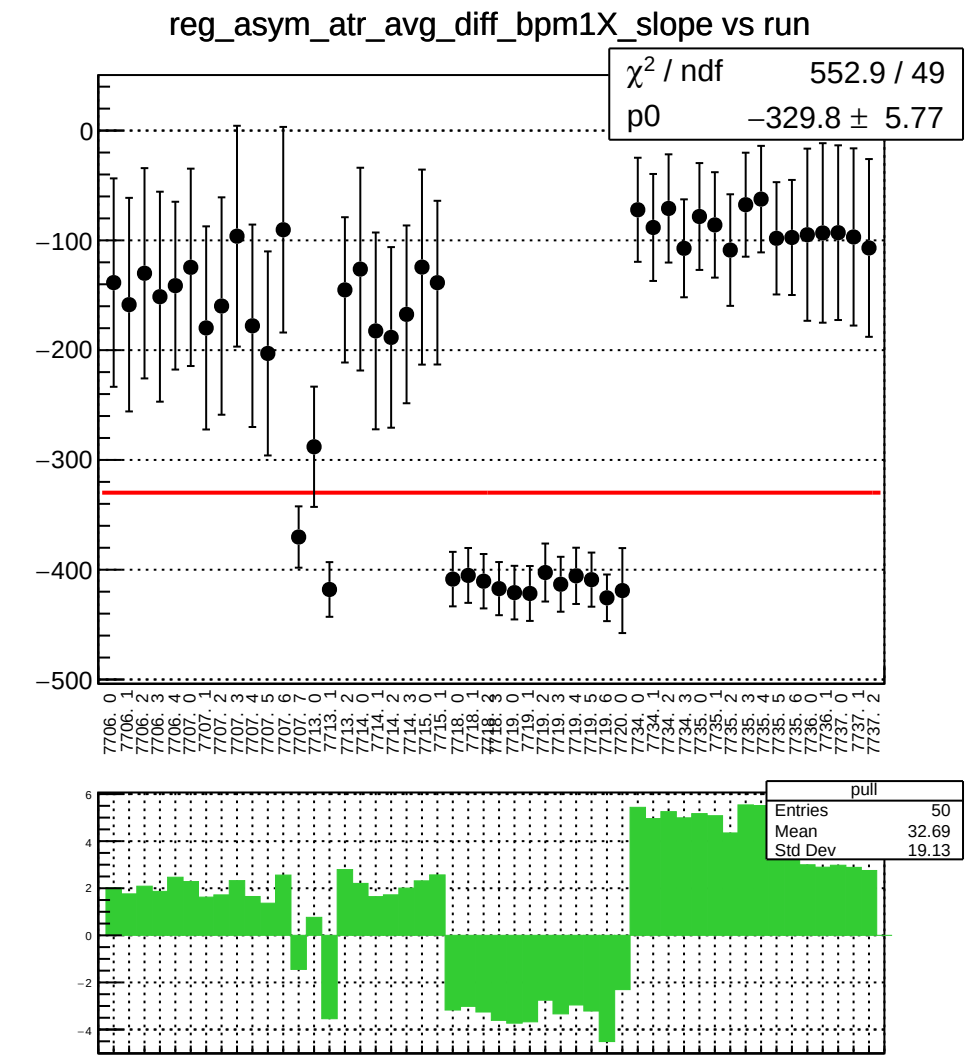

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.493 / 49
p0 −31.44 ± 4.919
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 12.06
Std Dev 17.37
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

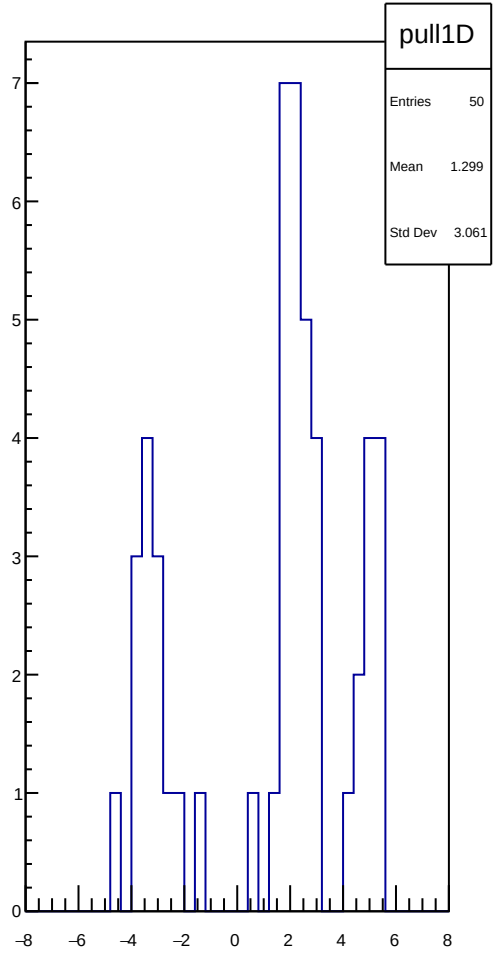

pull1D
Entries 50
Mean −0.08151
Std Dev 0.3785
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

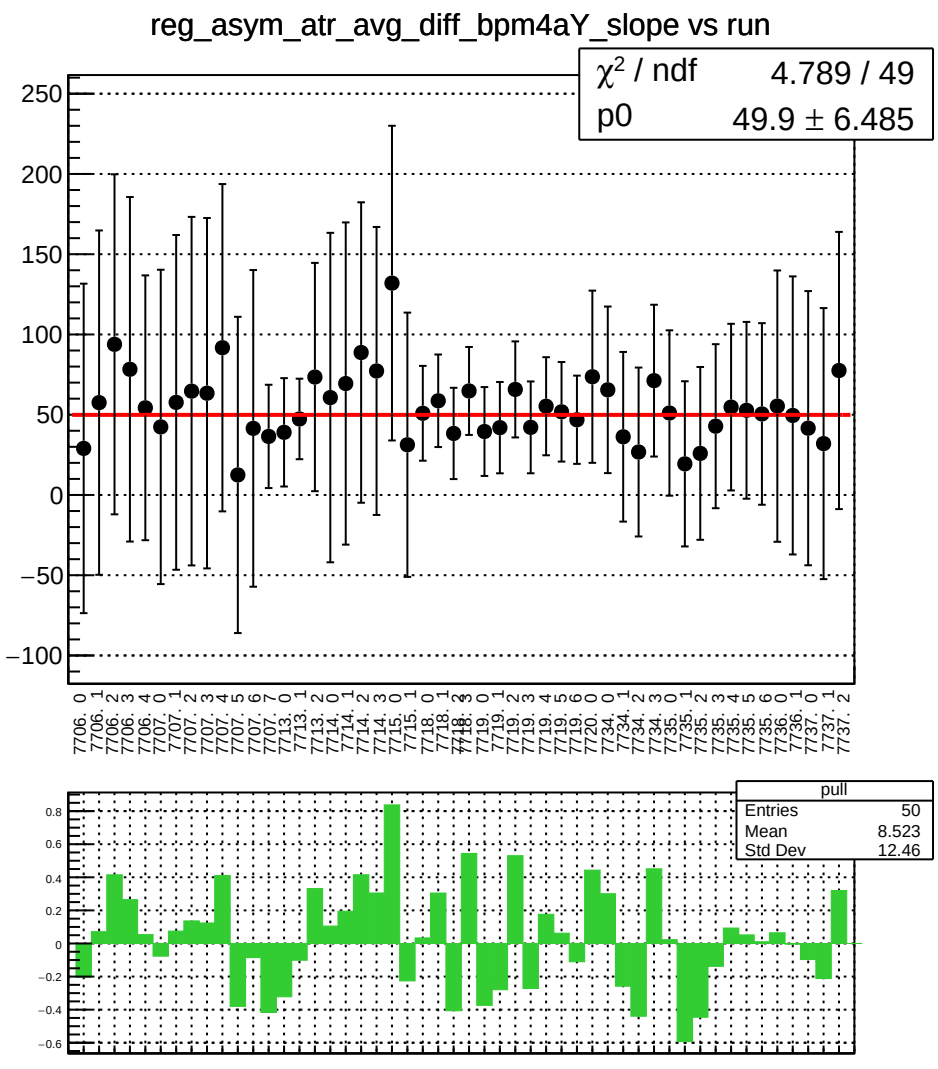

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 390.9 / 49
p0 −179.3 ± 3.754
50
0
−50
−100
−150
−200
−250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 31.87
Std Dev 18.99
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 1.204
Std Dev 2.524
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

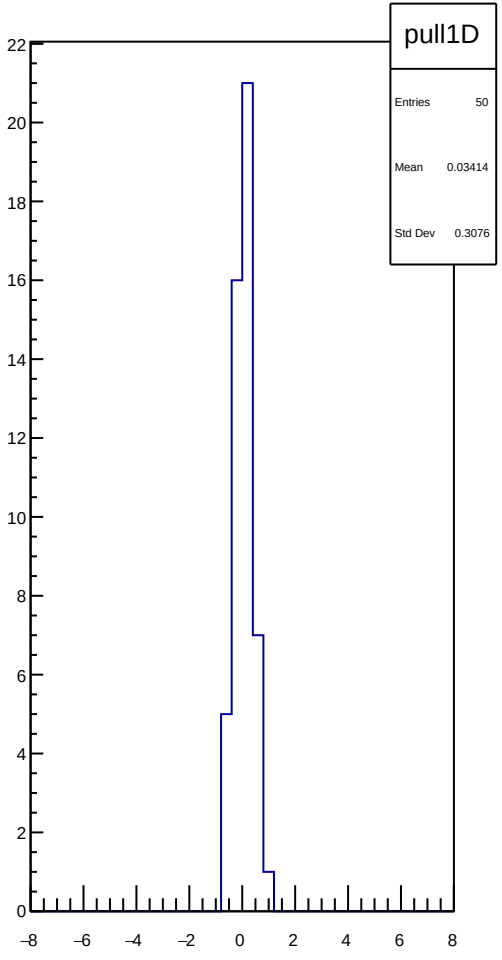

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.68 / 49
p0 −22.1 ± 7.435
150
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 38.66
Std Dev 18.49
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean 0.115
Std Dev 0.4694
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

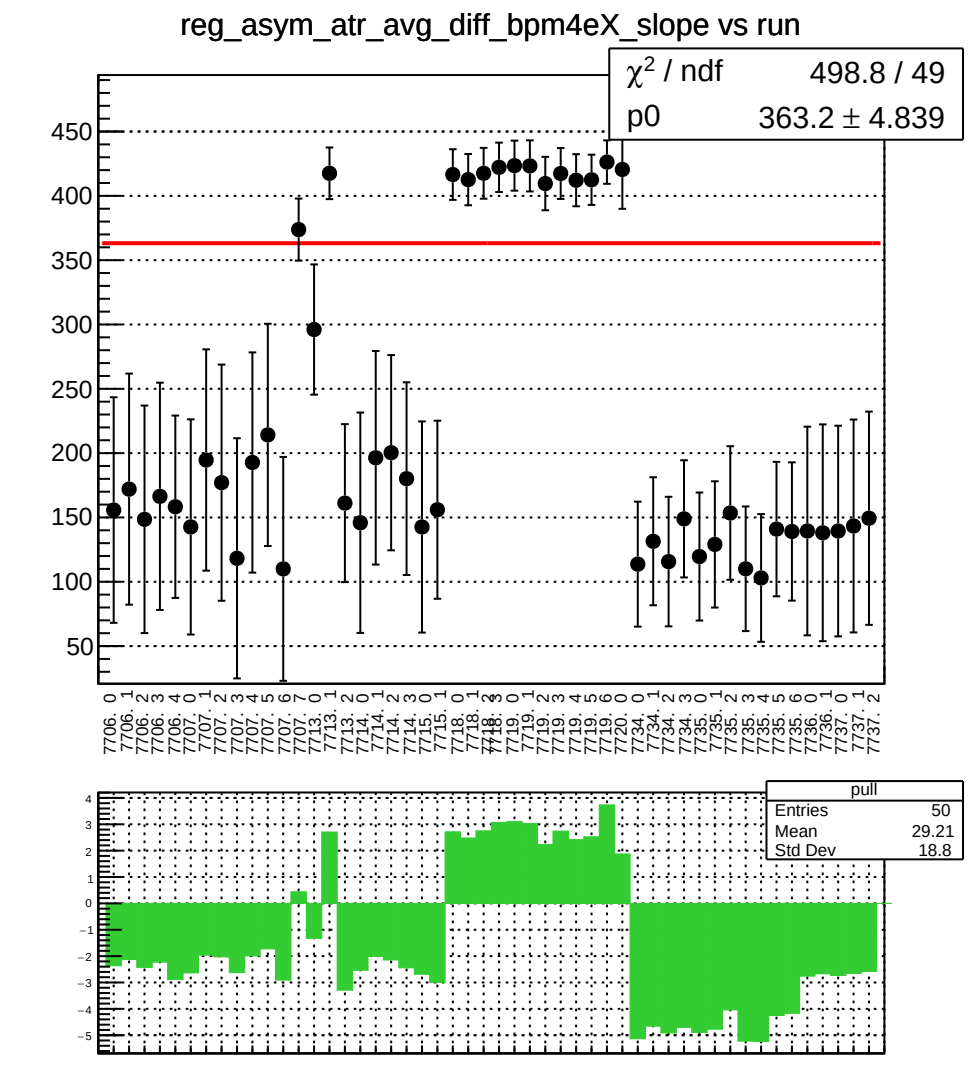

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 27.17 / 49
p0 127.1 ± 0.3152
134
132
130
128
126
124
122
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −63.33
Std Dev 87.29
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.03672
Std Dev 0.7362
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

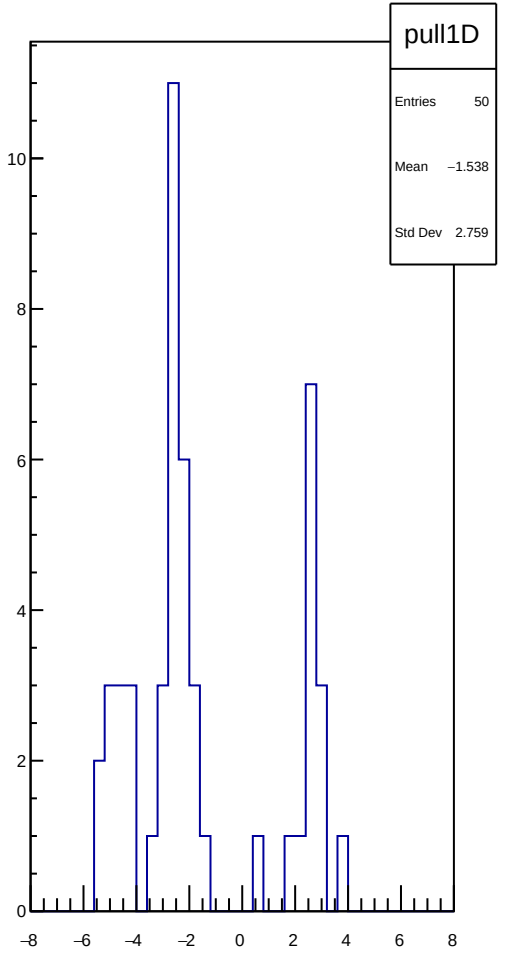

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 552.9 / 49
p0 −329.8 ± 5.77
pull
Entries 50
Mean 32.69
Std Dev 19.13

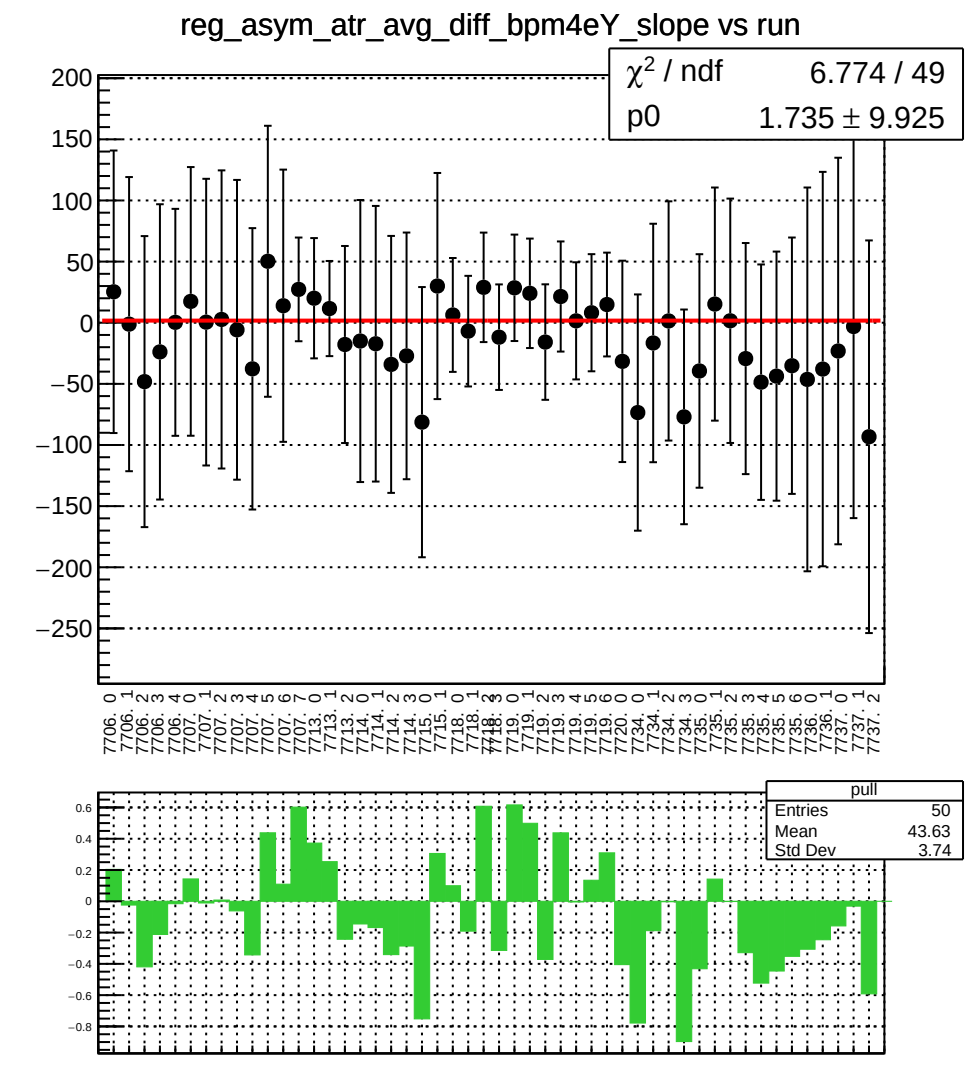

pull1D
Entries 50
Mean 1.299
Std Dev 3.061

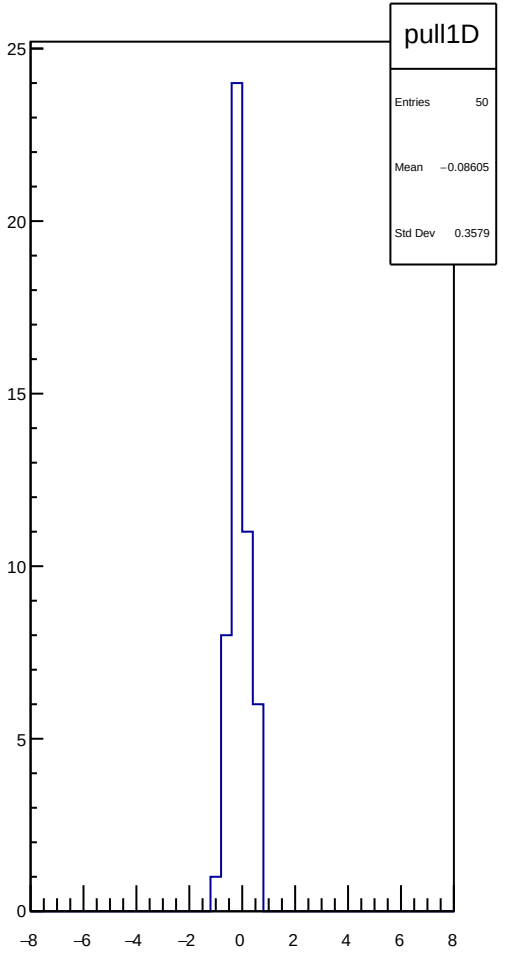

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.789 / 49
p0 49.9 ± 6.485
pull
Entries 50
Mean 8.523
Std Dev 12.46

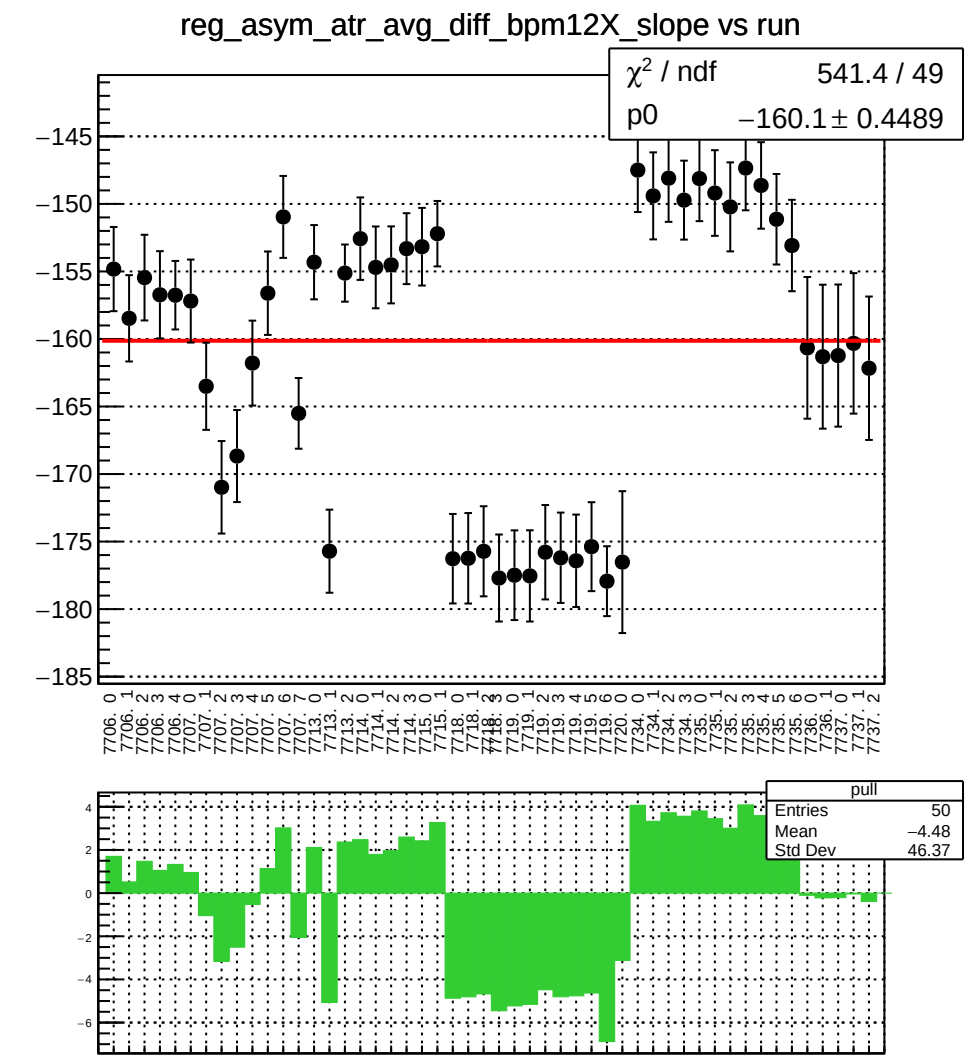

pull1D
Entries 50
Mean 0.03414
Std Dev 0.3076

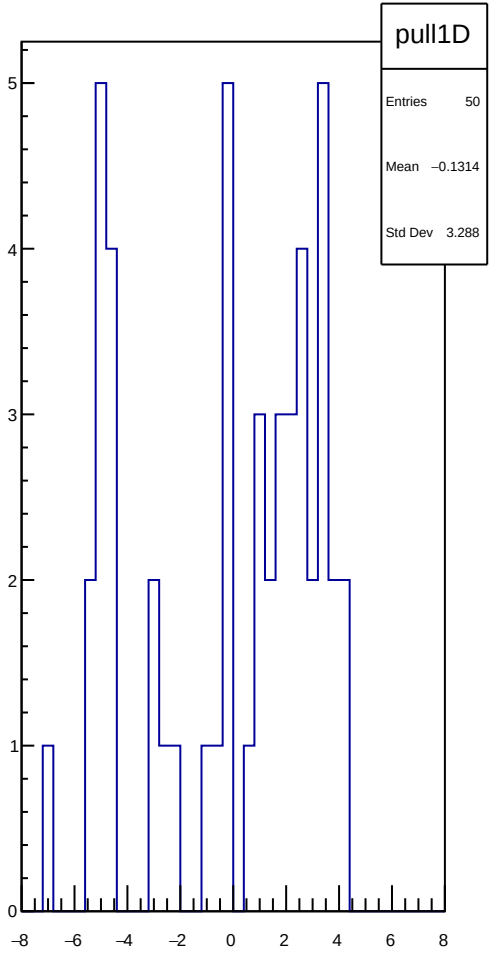

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 498.8 / 49
p0 363.2 ± 4.839
pull
Entries 50
Mean 29.21
Std Dev 18.8

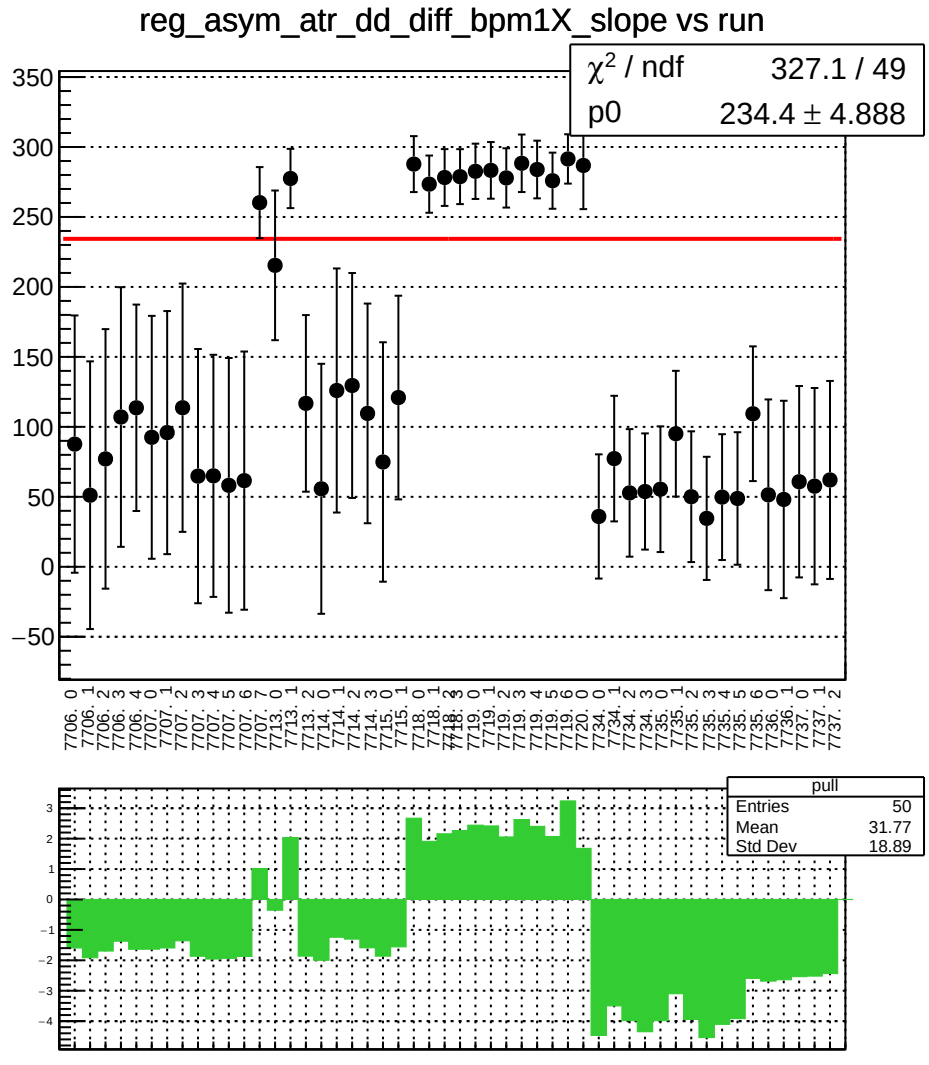

pull1D
Entries 50
Mean −1.538
Std Dev 2.759

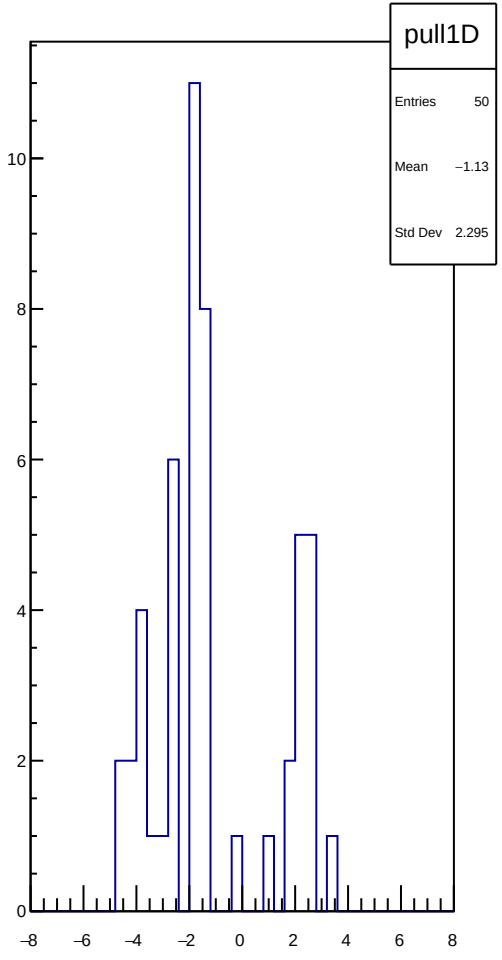

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.774 / 49
p0 1.735 ± 9.925
pull
Entries 50
Mean 43.63
Std Dev 3.74

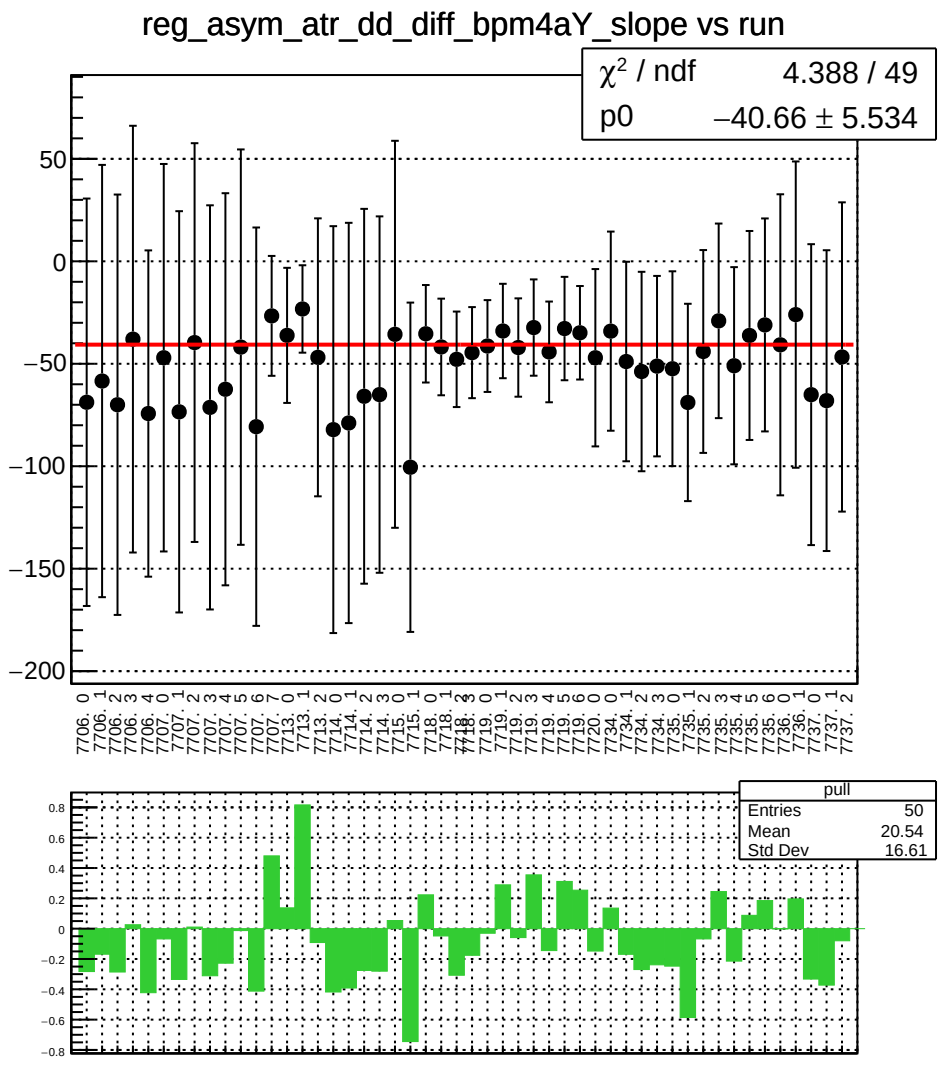

pull1D
Entries 50
Mean −0.08605
Std Dev 0.3579

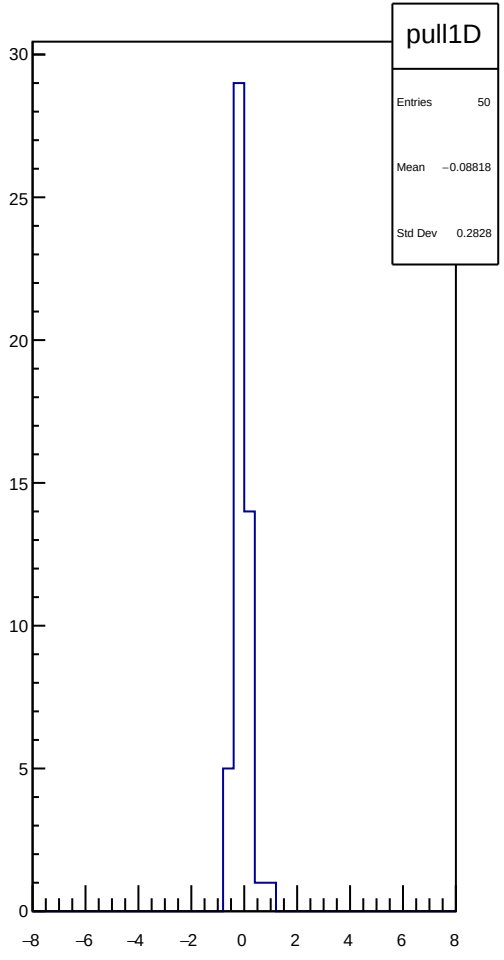

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 541.4 / 49
p0 −160.1 ± 0.4489
pull
Entries 50
Mean −4.48
Std Dev 46.37

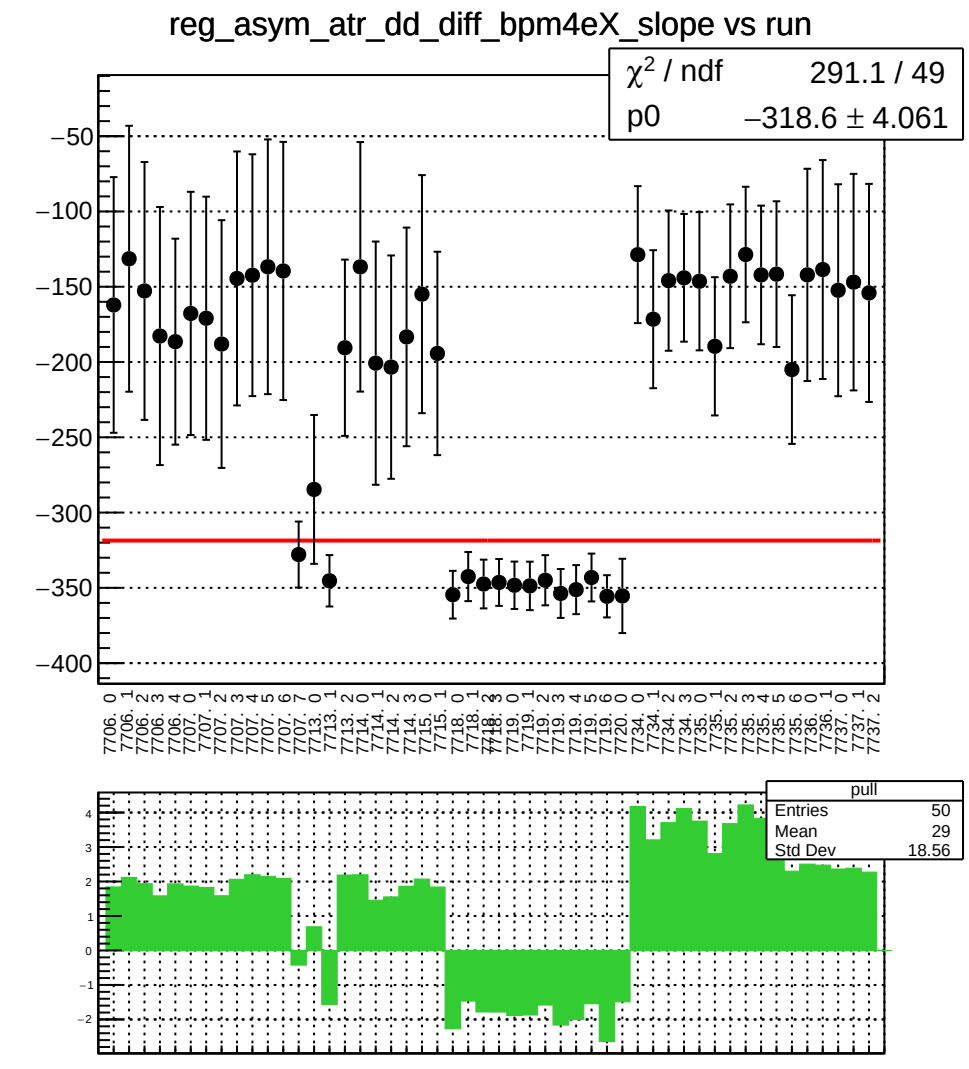

pull1D
Entries 50
Mean −0.1314
Std Dev 3.288

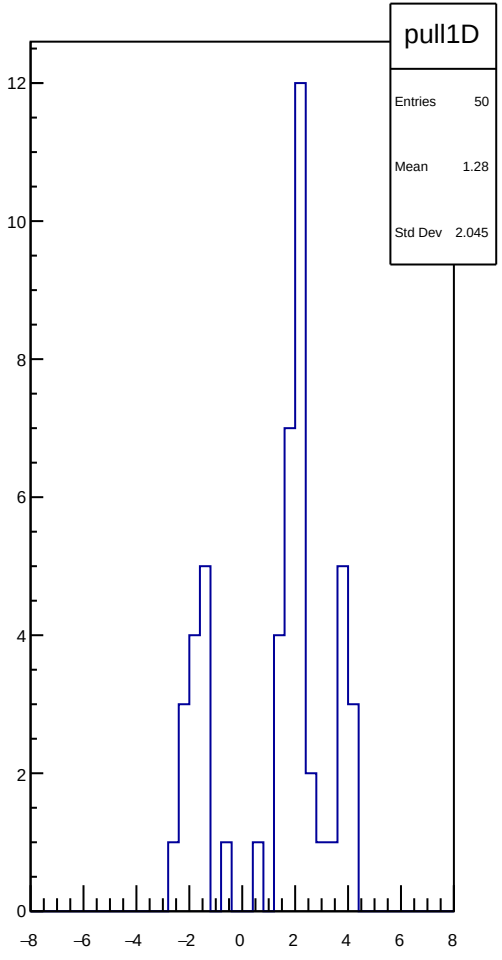

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 327.1 / 49
p0 234.4 ± 4.888
pull
Entries 50
Mean 31.77
Std Dev 18.89

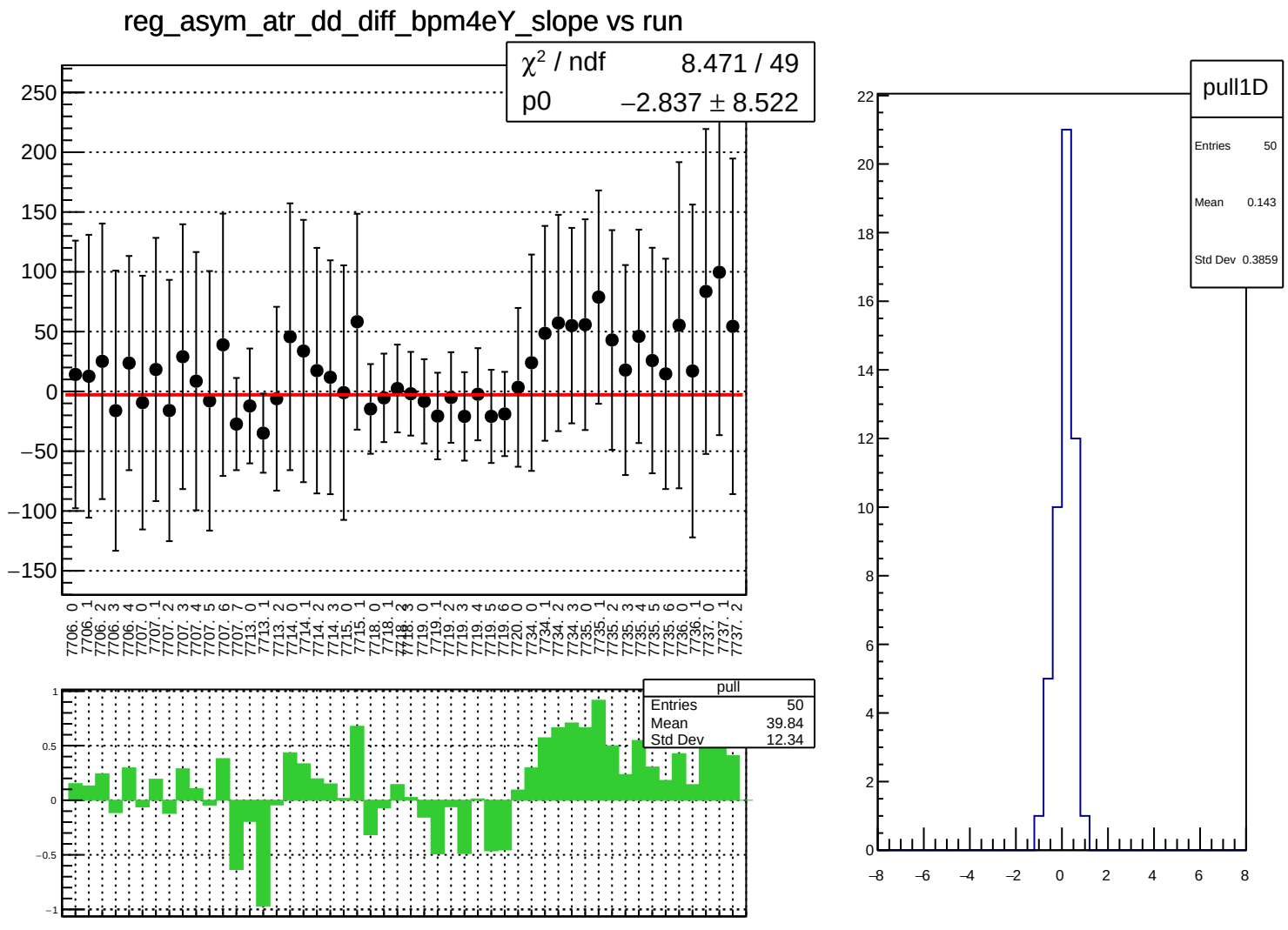

pull1D
Entries 50
Mean −1.13
Std Dev 2.295

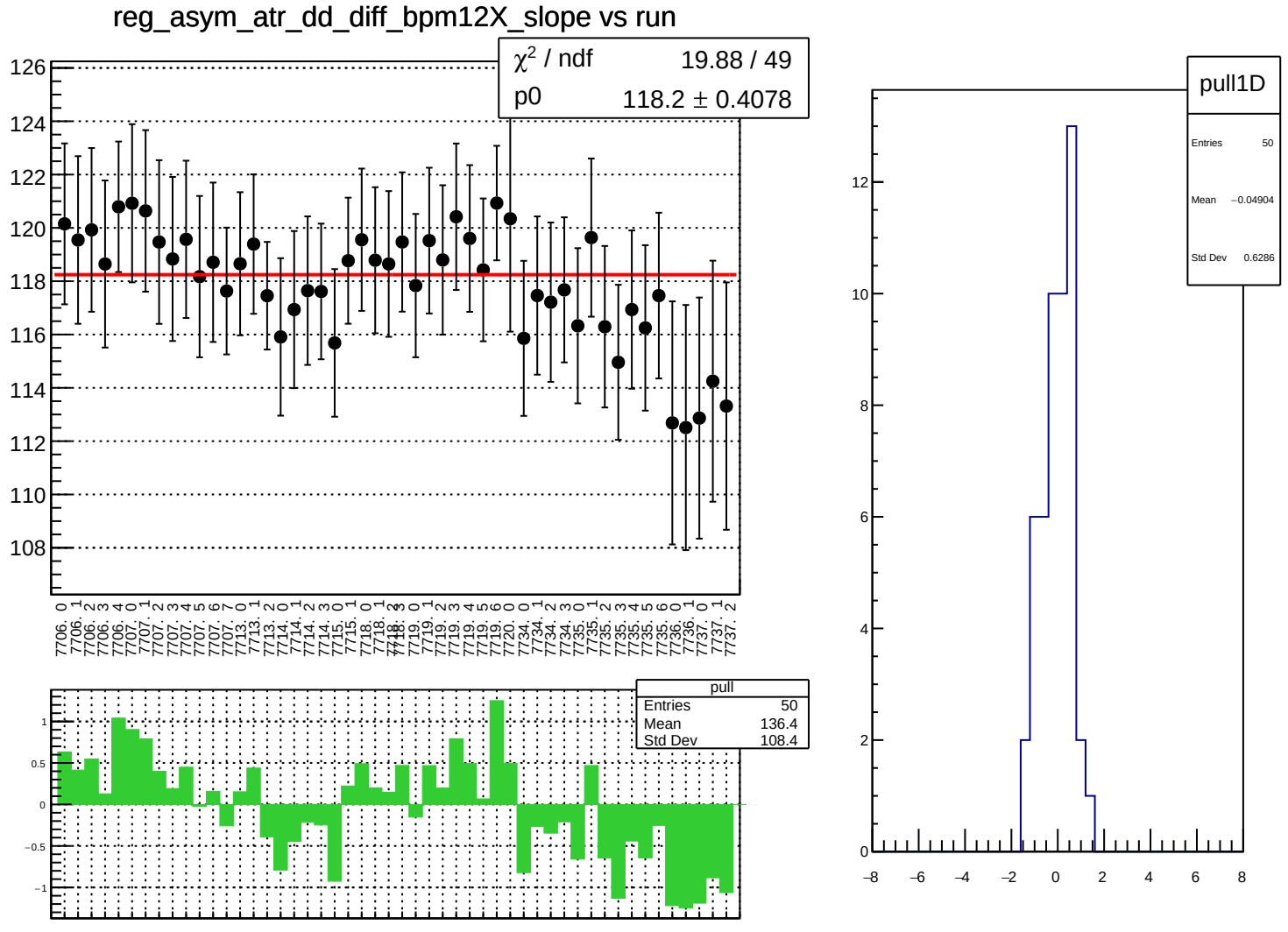

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.388 / 49
p0 −40.66 ± 5.534
pull
Entries 50
Mean 20.54
Std Dev 16.61

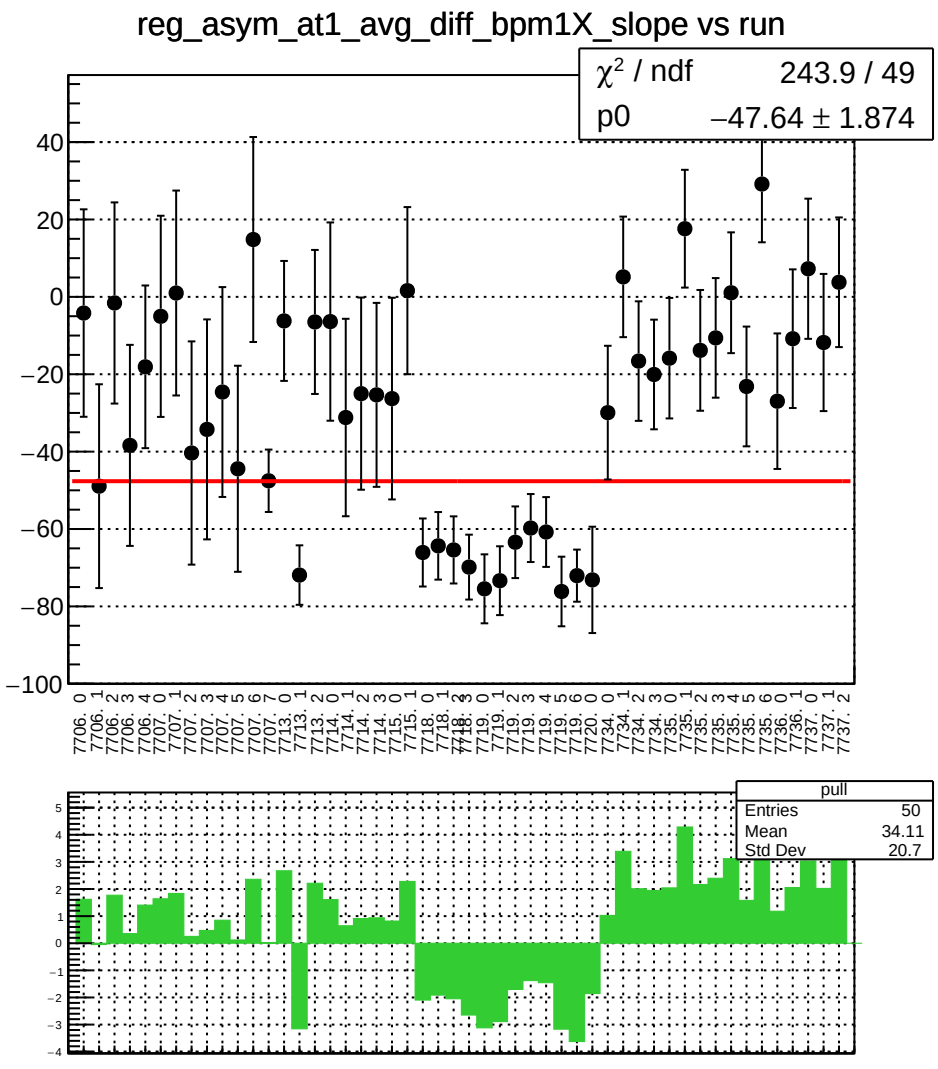

pull1D
Entries 50
Mean −0.08818
Std Dev 0.2828

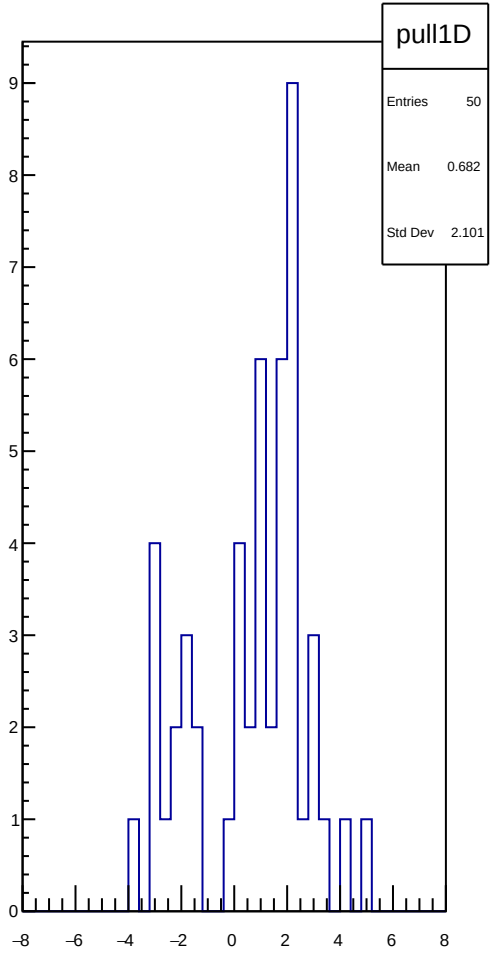

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 291.1 / 49
p0 −318.6 ± 4.061
pull
Entries 50
Mean 29
Std Dev 18.56

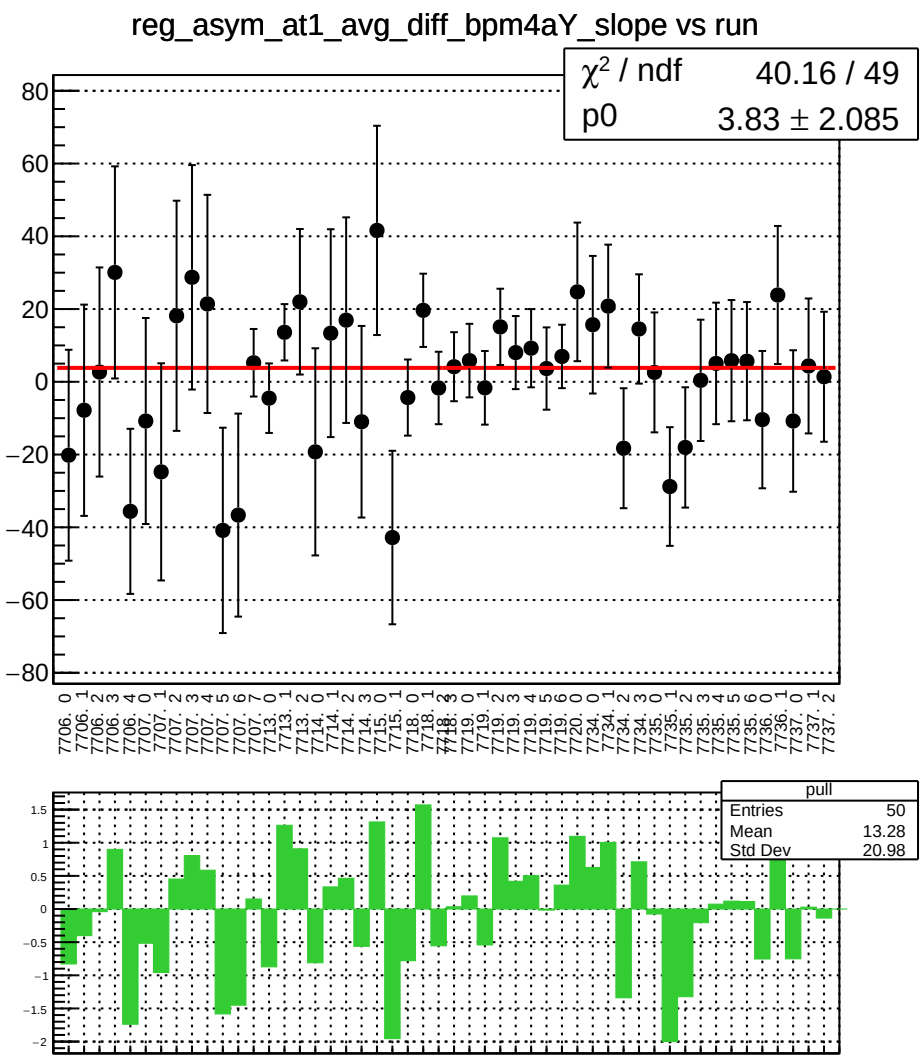

pull1D
Entries 50
Mean 1.28
Std Dev 2.045

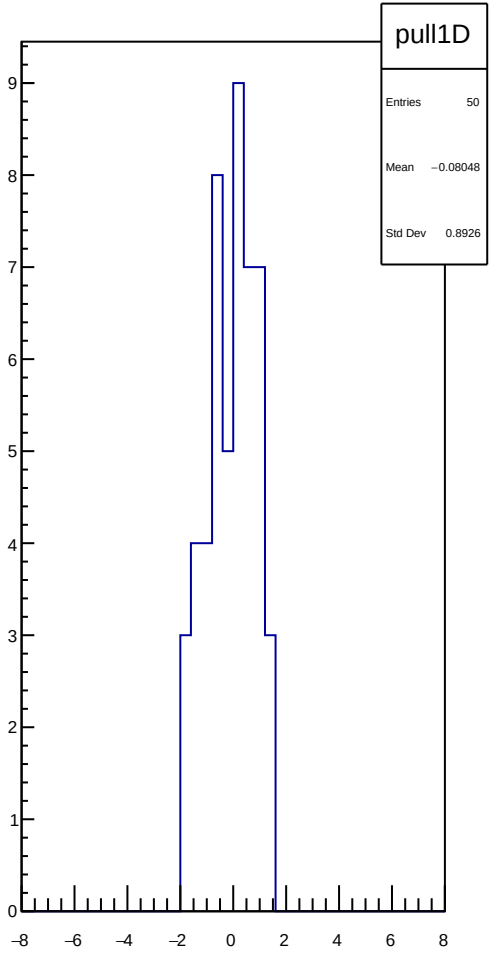

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.471 / 49
p0 −2.837 ± 8.522
pull
Entries 50
Mean 39.84
Std Dev 12.34
pull1D
Entries 50
Mean 0.143
Std Dev 0.3859

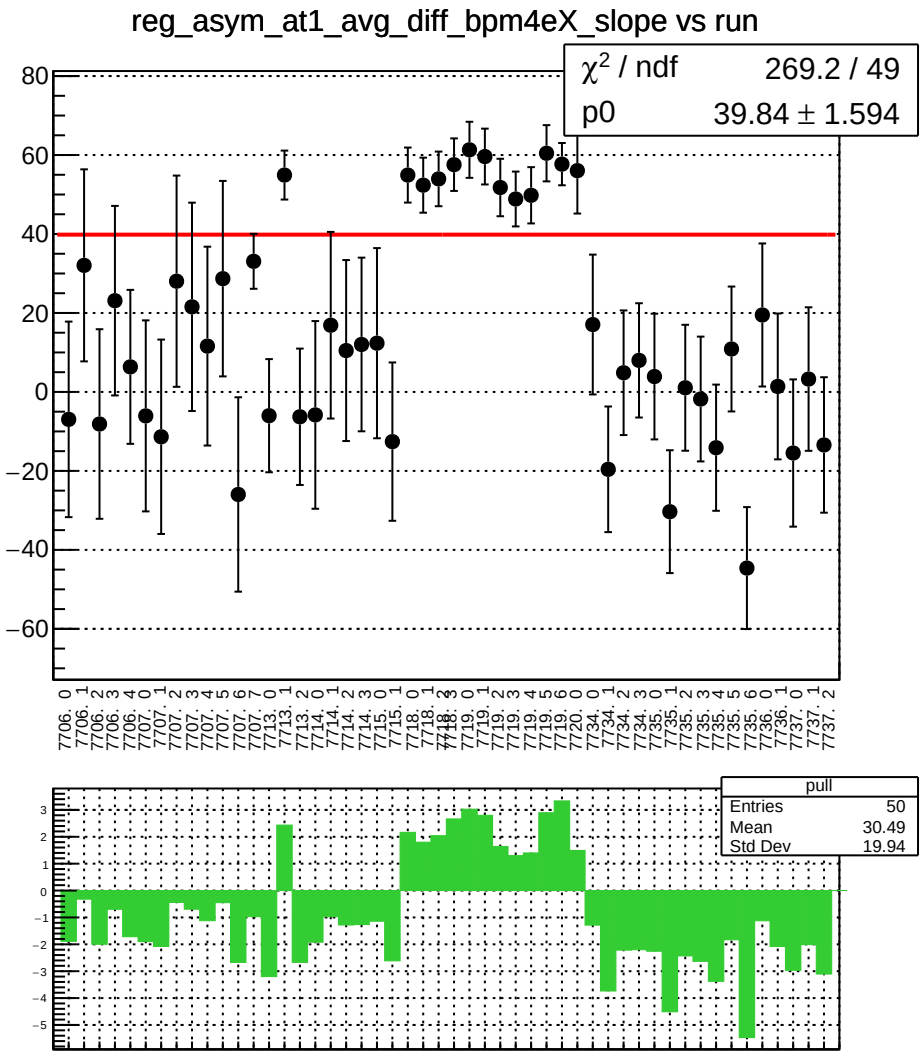

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 19.88 / 49
p0 118.2 ± 0.4078
pull
Entries 50
Mean 136.4
Std Dev 108.4
pull1D
Entries 50
Mean −0.04904
Std Dev 0.6286

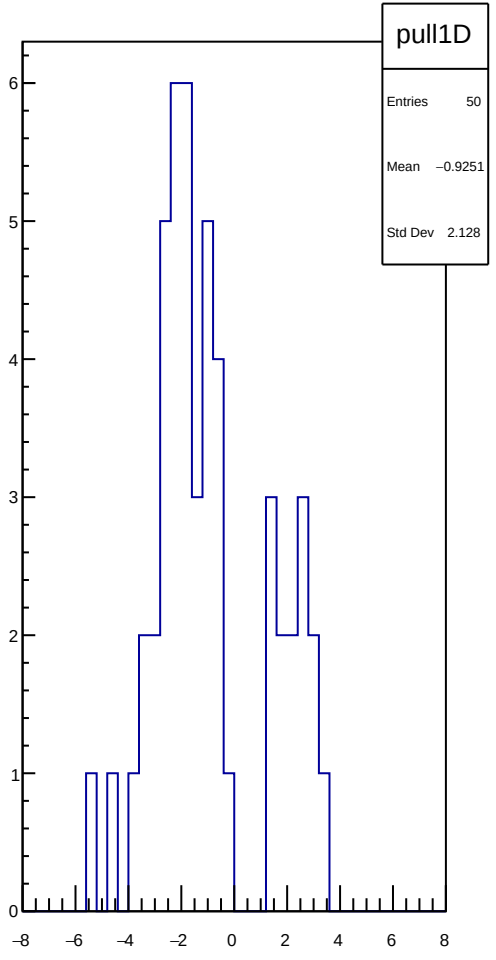

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 243.9 / 49
p0 −47.64 ± 1.874
pull
Entries 50
Mean 34.11
Std Dev 20.7

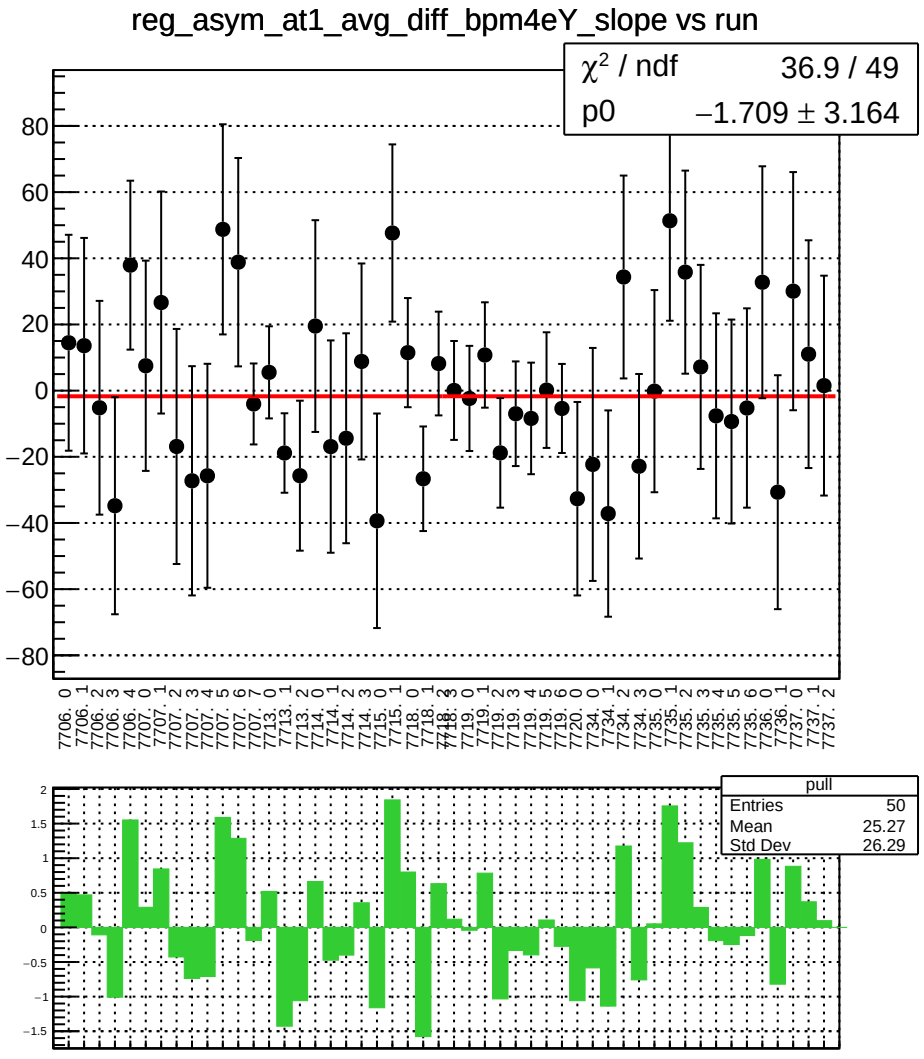

pull1D
Entries 50
Mean 0.682
Std Dev 2.101

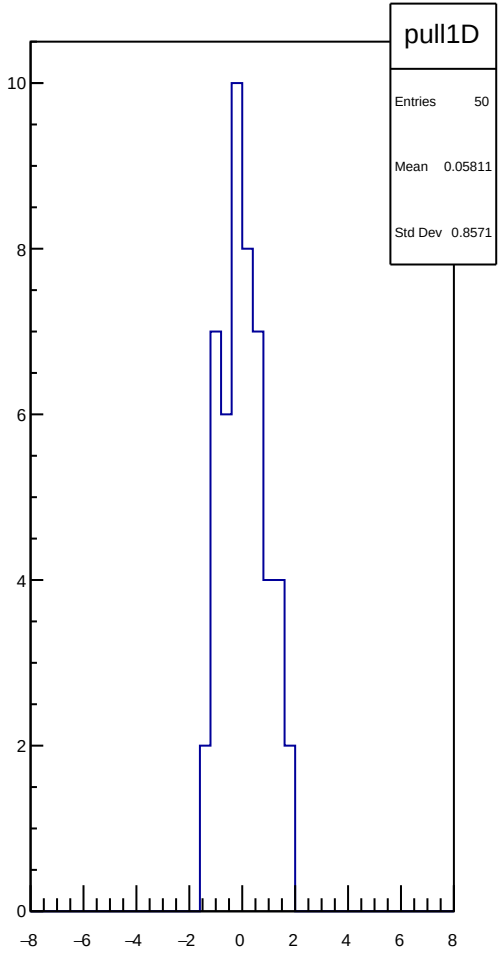

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.16 / 49
p0 3.83 ± 2.085
pull
Entries 50
Mean 13.28
Std Dev 20.98

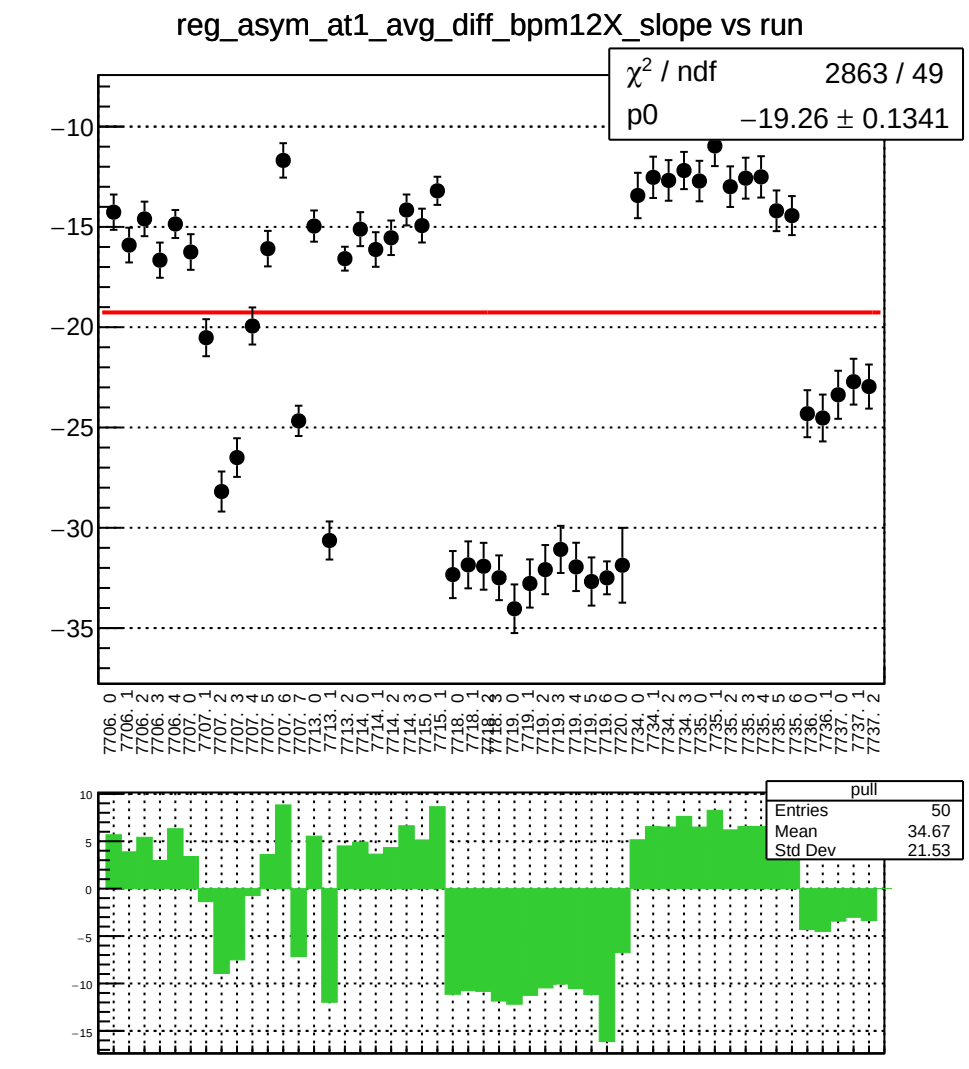

pull1D
Entries 50
Mean −0.08048
Std Dev 0.8926

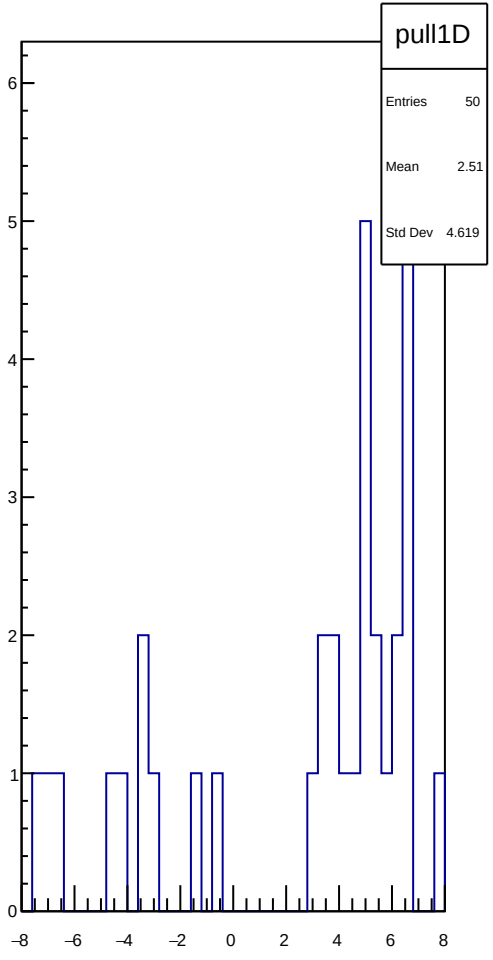

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 269.2 / 49
p0 39.84 ± 1.594
pull
Entries 50
Mean 30.49
Std Dev 19.94

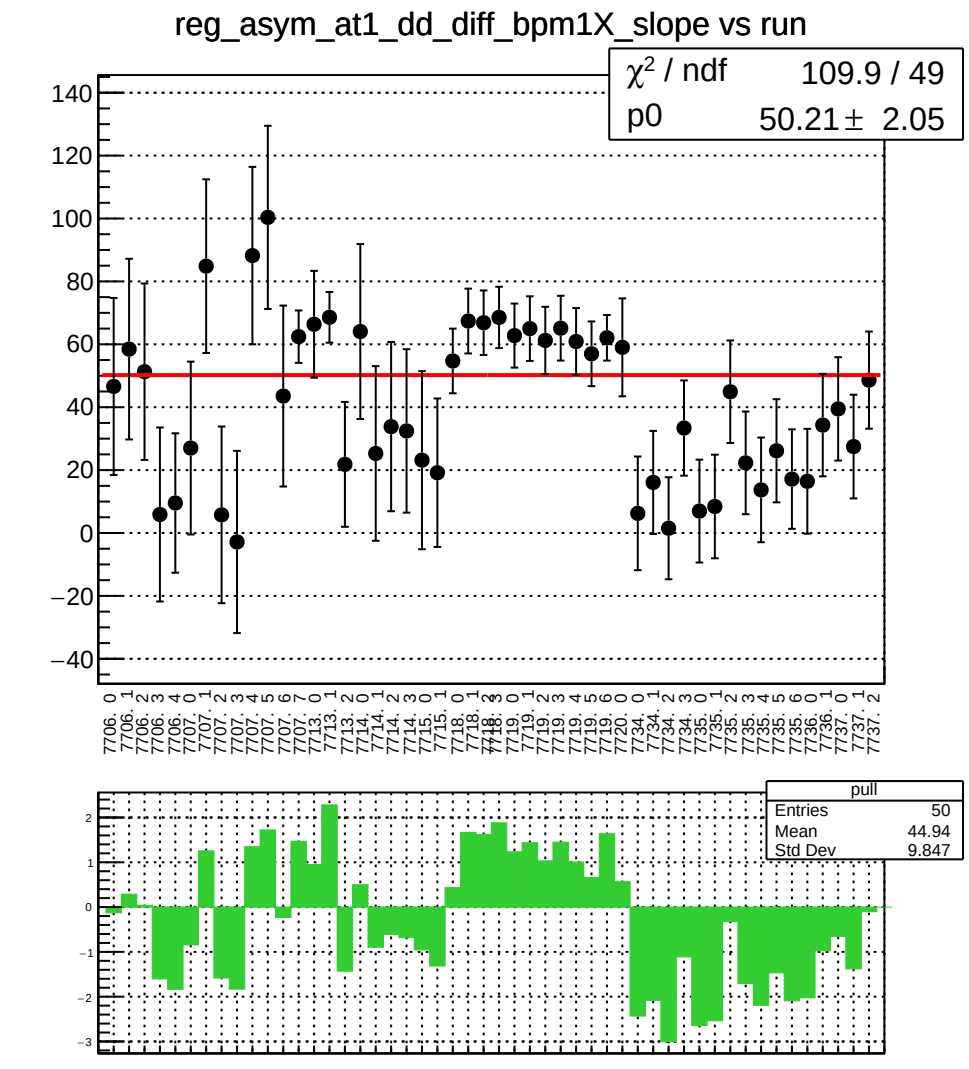

pull1D
Entries 50
Mean −0.9251
Std Dev 2.128

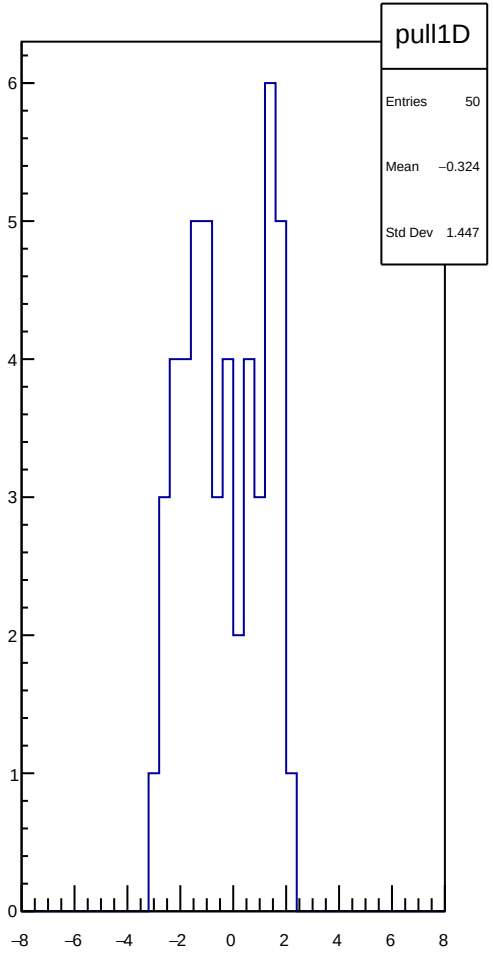

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.9 / 49
p0 −1.709 ± 3.164
pull
Entries 50
Mean 25.27
Std Dev 26.29

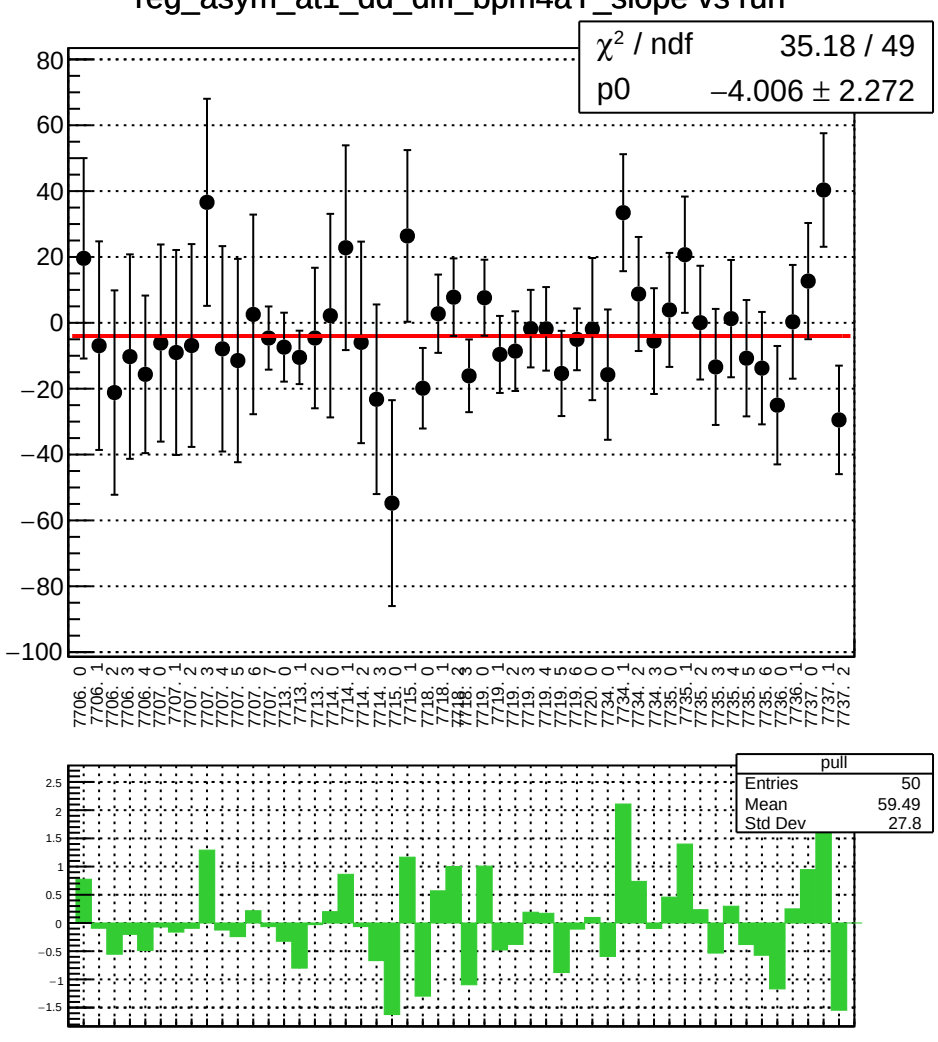

pull1D
Entries 50
Mean 0.05811
Std Dev 0.8571

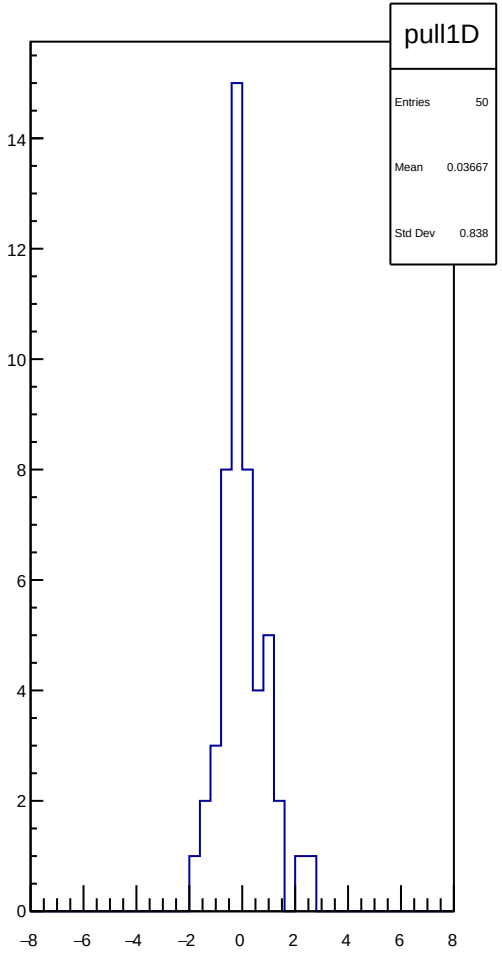

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 2863 / 49
p0 −19.26 ± 0.1341
pull
Entries 50
Mean 34.67
Std Dev 21.53

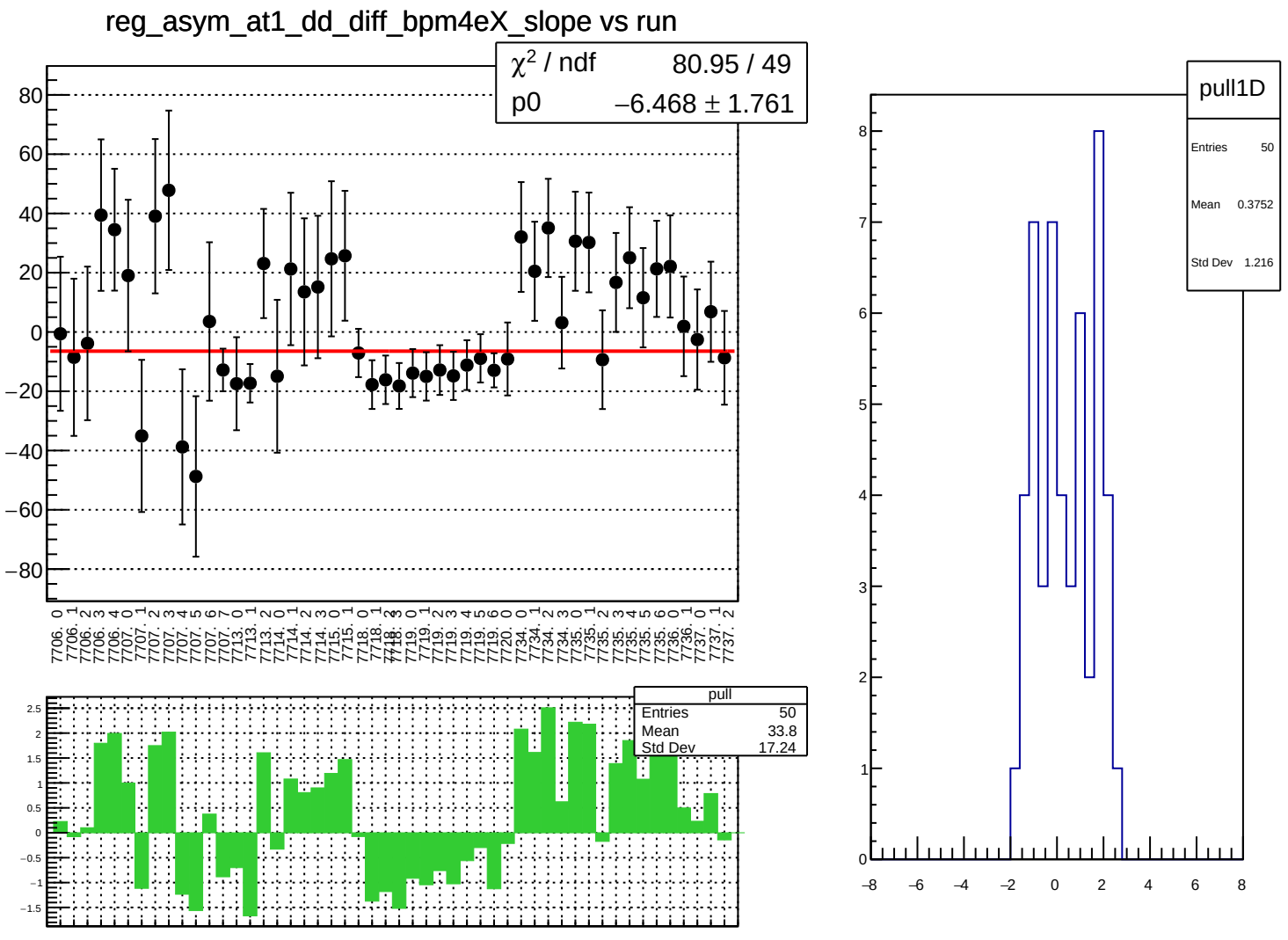

pull1D
Entries 50
Mean 2.51
Std Dev 4.619

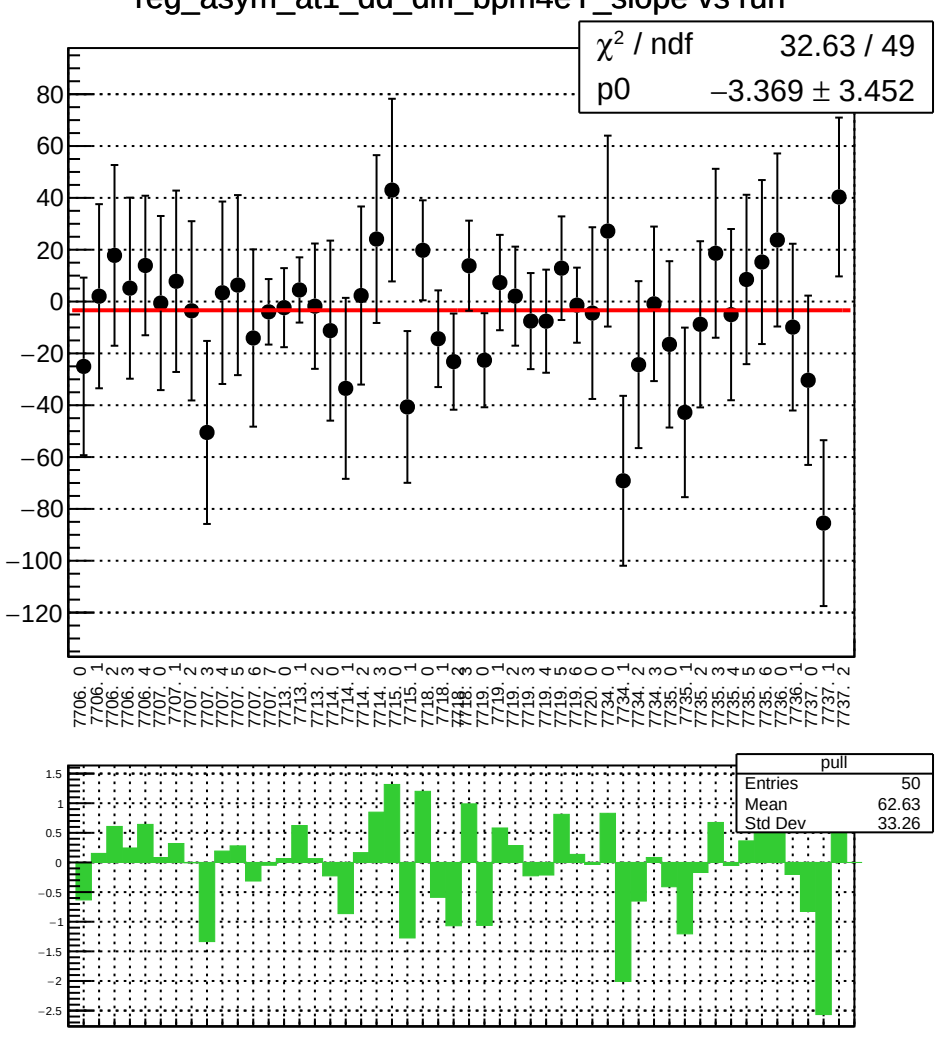

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 109.9 / 49
p0 50.21 ± 2.05
pull
Entries 50
Mean 44.94
Std Dev 9.847

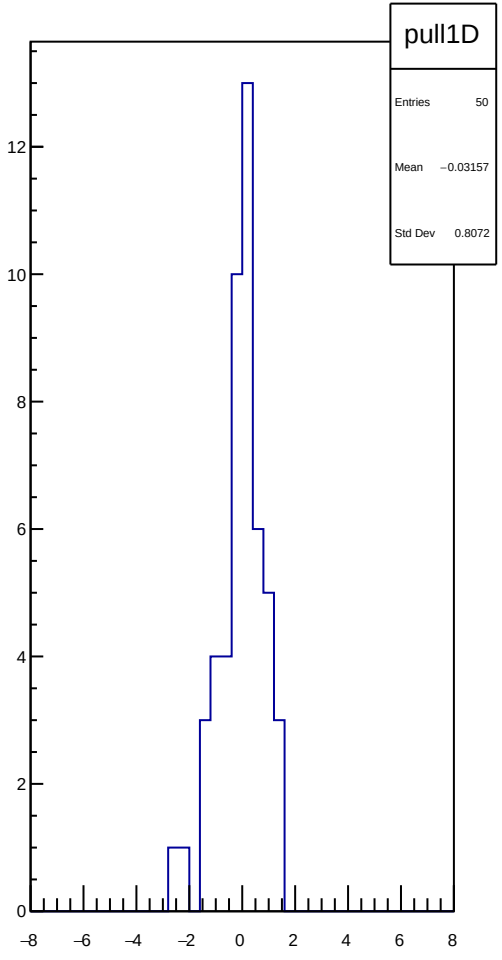

pull1D
Entries 50
Mean −0.324
Std Dev 1.447

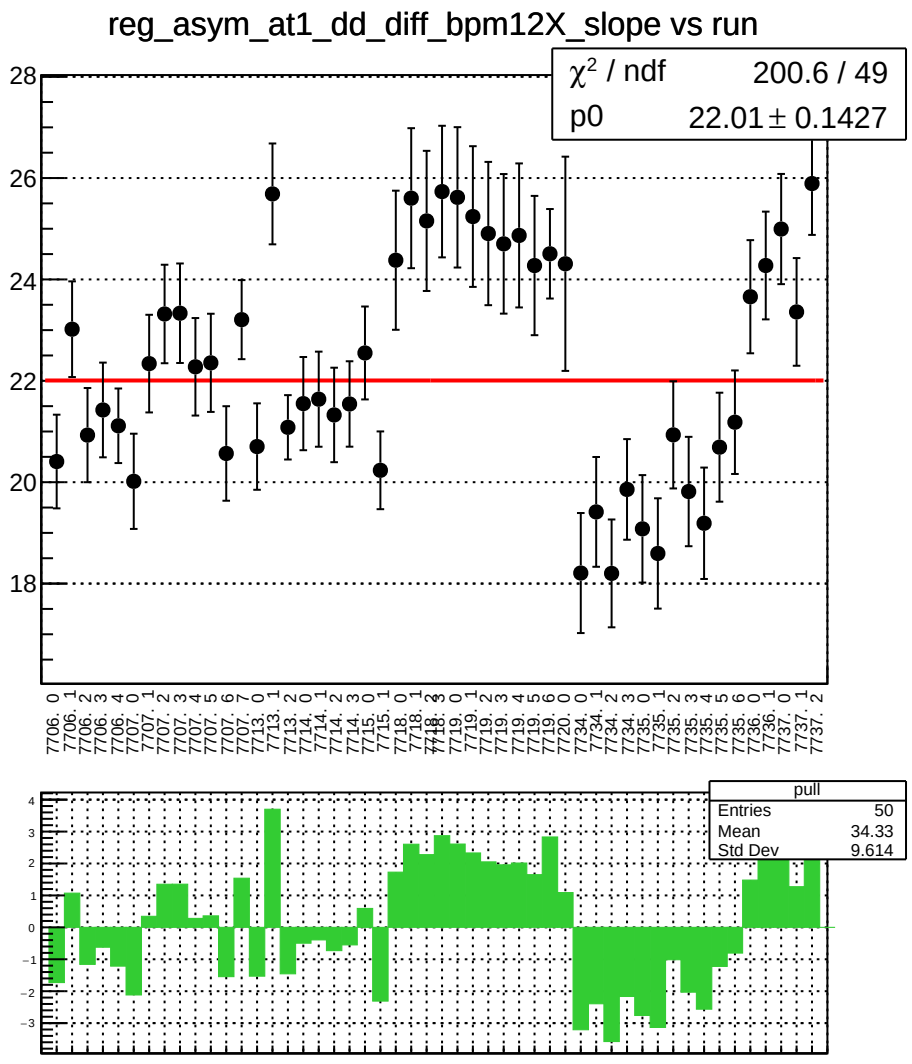

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.18 / 49
p0 −4.006 ± 2.272
pull
Entries 50
Mean 59.49
Std Dev 27.8

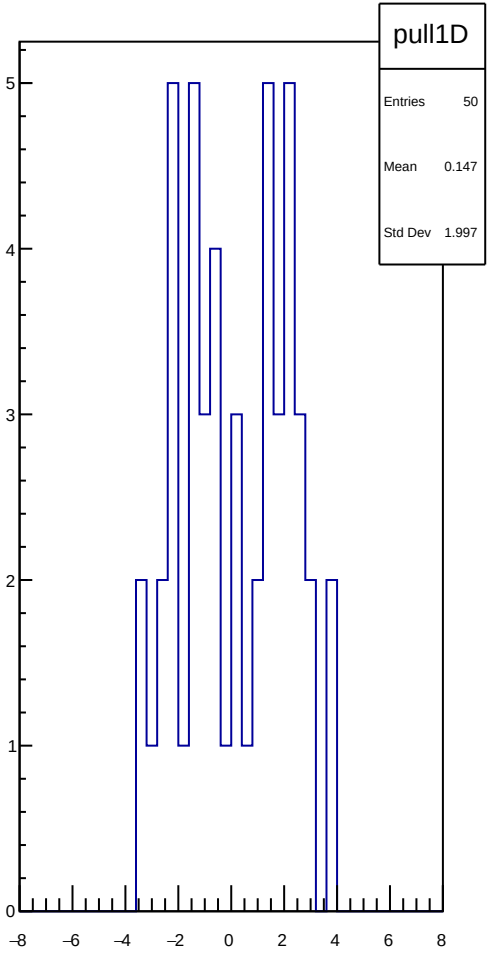

pull1D
Entries 50
Mean 0.03667
Std Dev 0.838

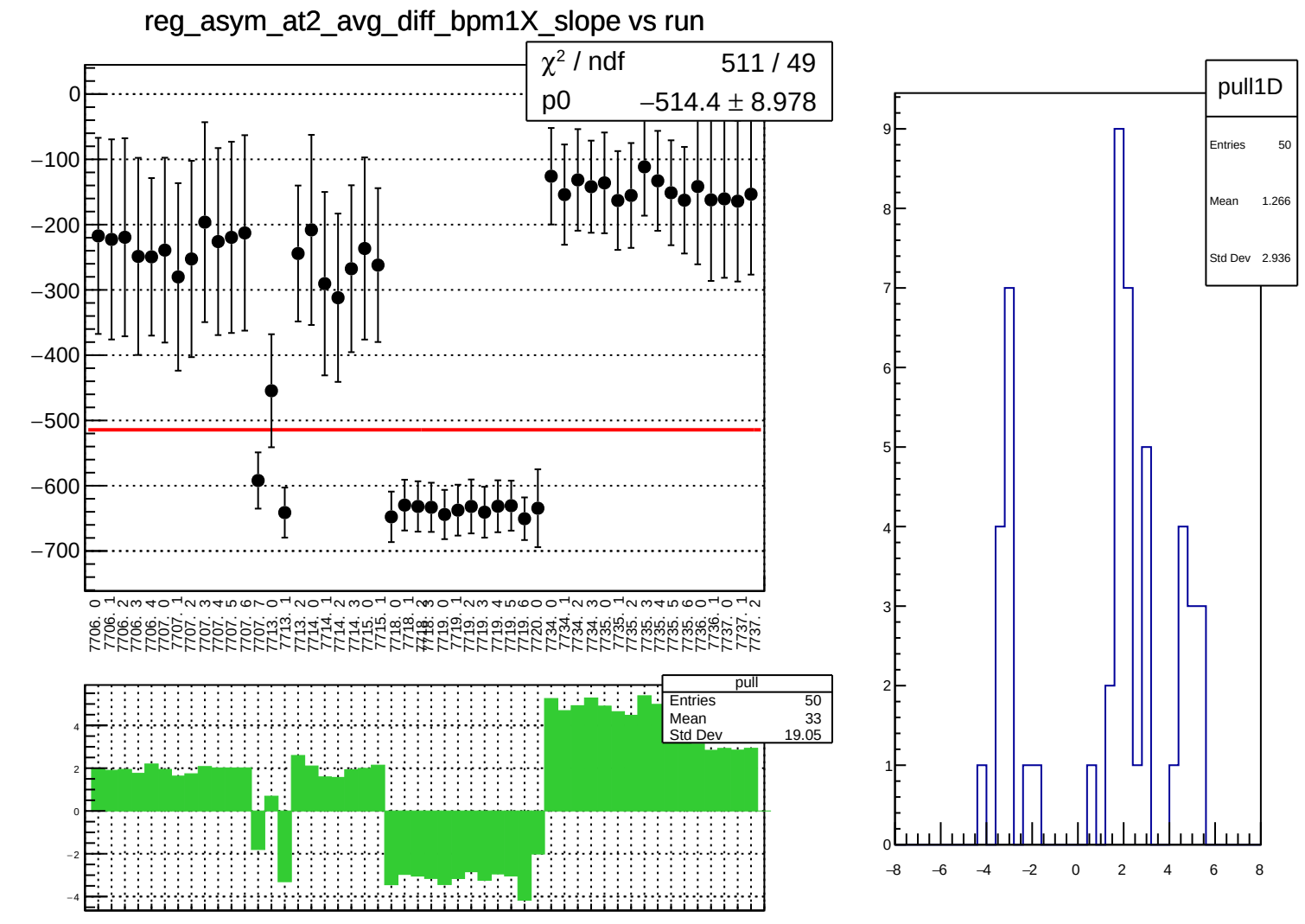

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.95 / 49
p0 −6.468 ± 1.761
pull
Entries 50
Mean 33.8
Std Dev 17.24
pull1D
Entries 50
Mean 0.3752
Std Dev 1.216

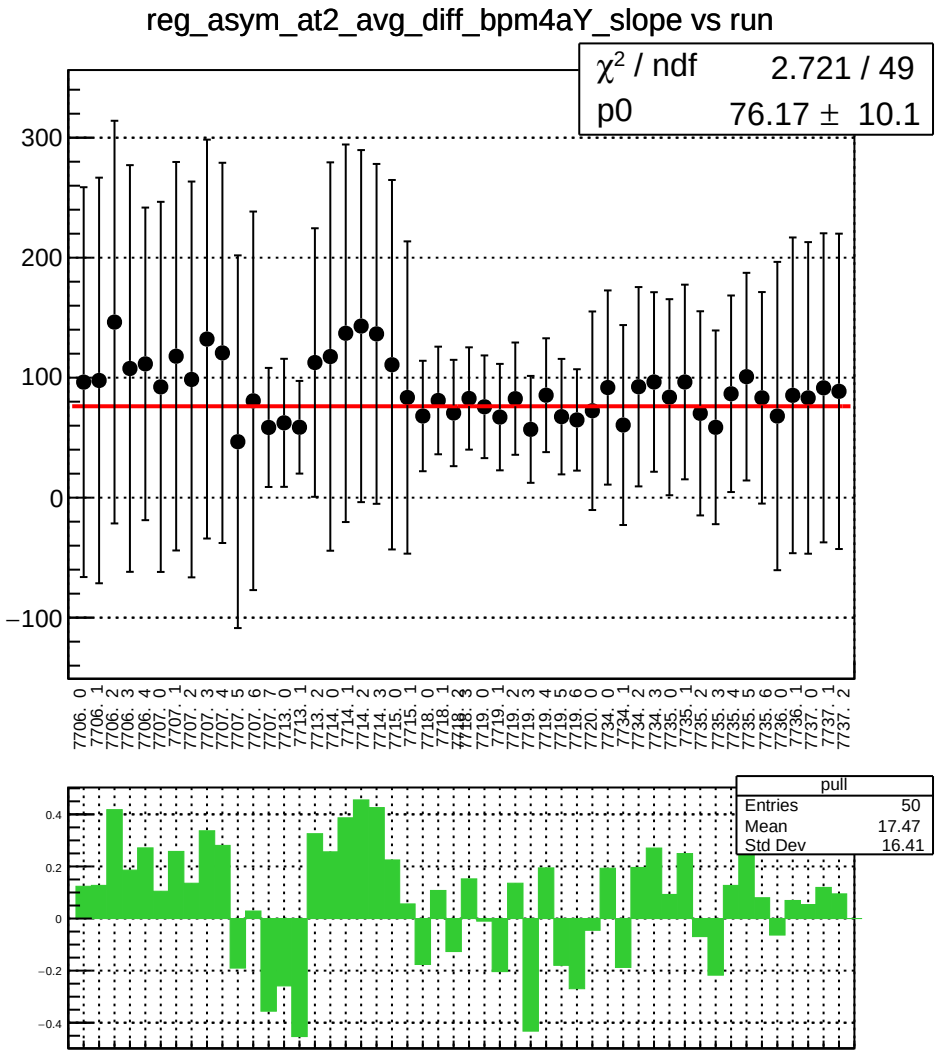

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.63 / 49
p0 −3.369 ± 3.452
pull
Entries 50
Mean 62.63
Std Dev 33.26

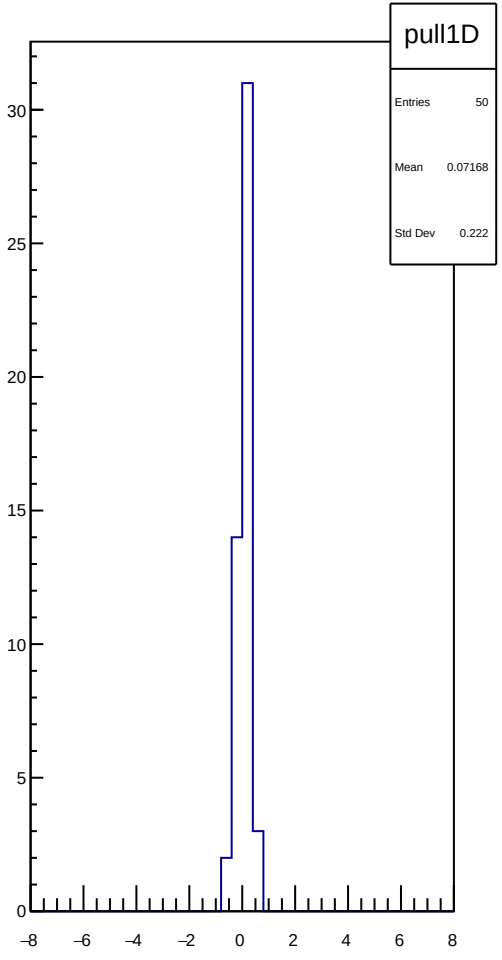

pull1D
Entries 50
Mean −0.03157
Std Dev 0.8072

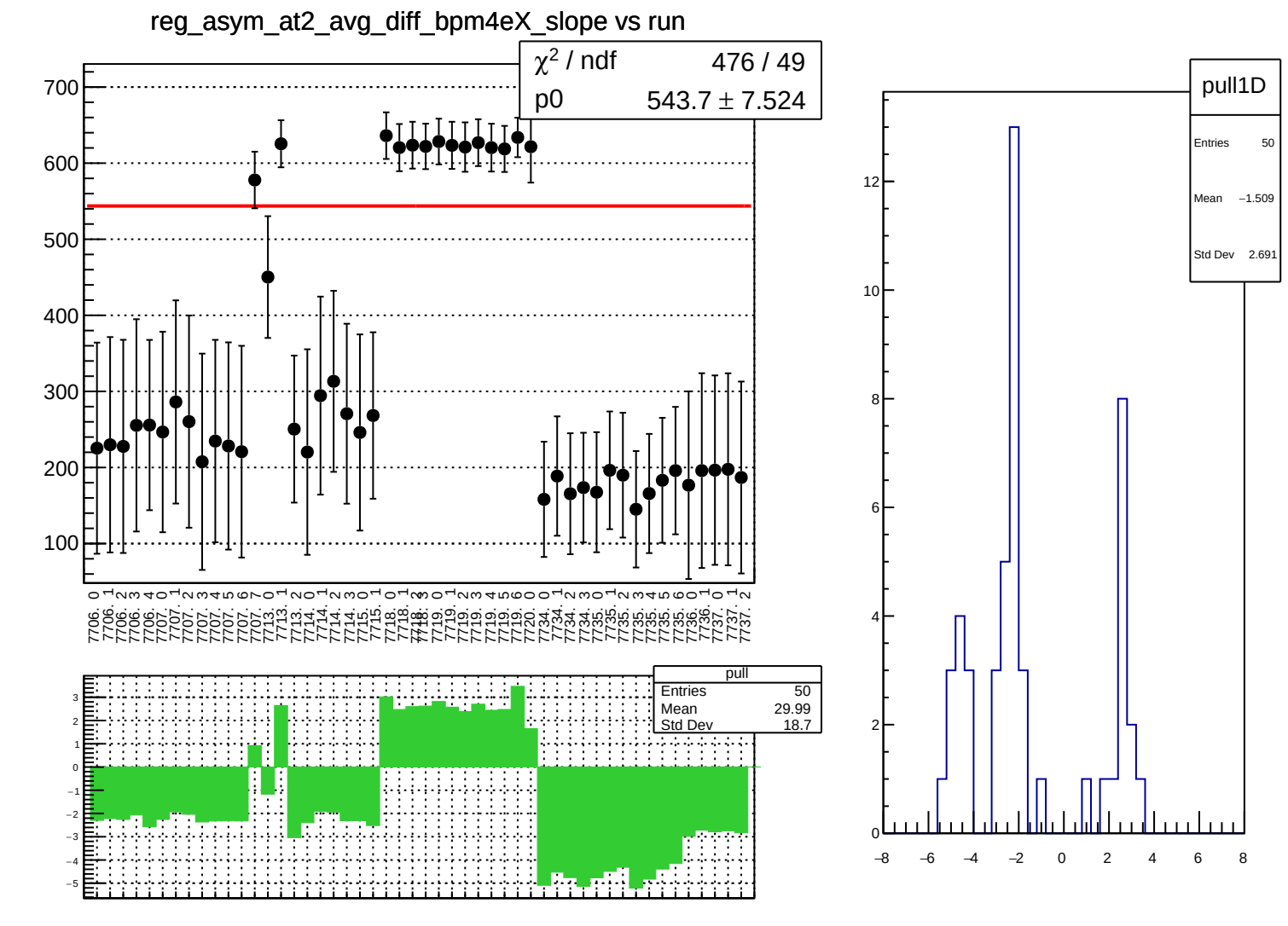

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 200.6 / 49
p0 22.01 ± 0.1427
pull
Entries 50
Mean 34.33
Std Dev 9.614

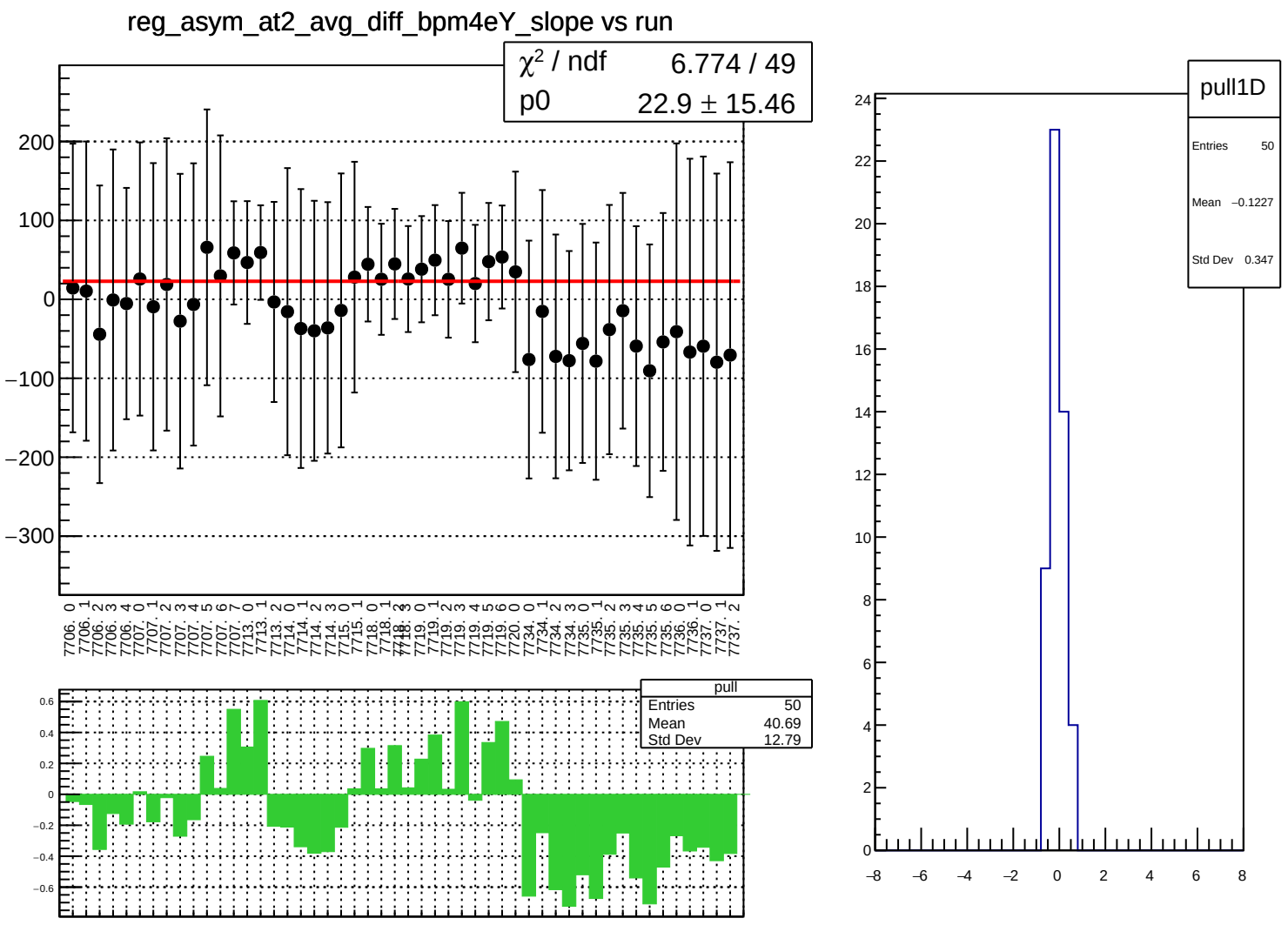

pull1D
Entries 50
Mean 0.147
Std Dev 1.997

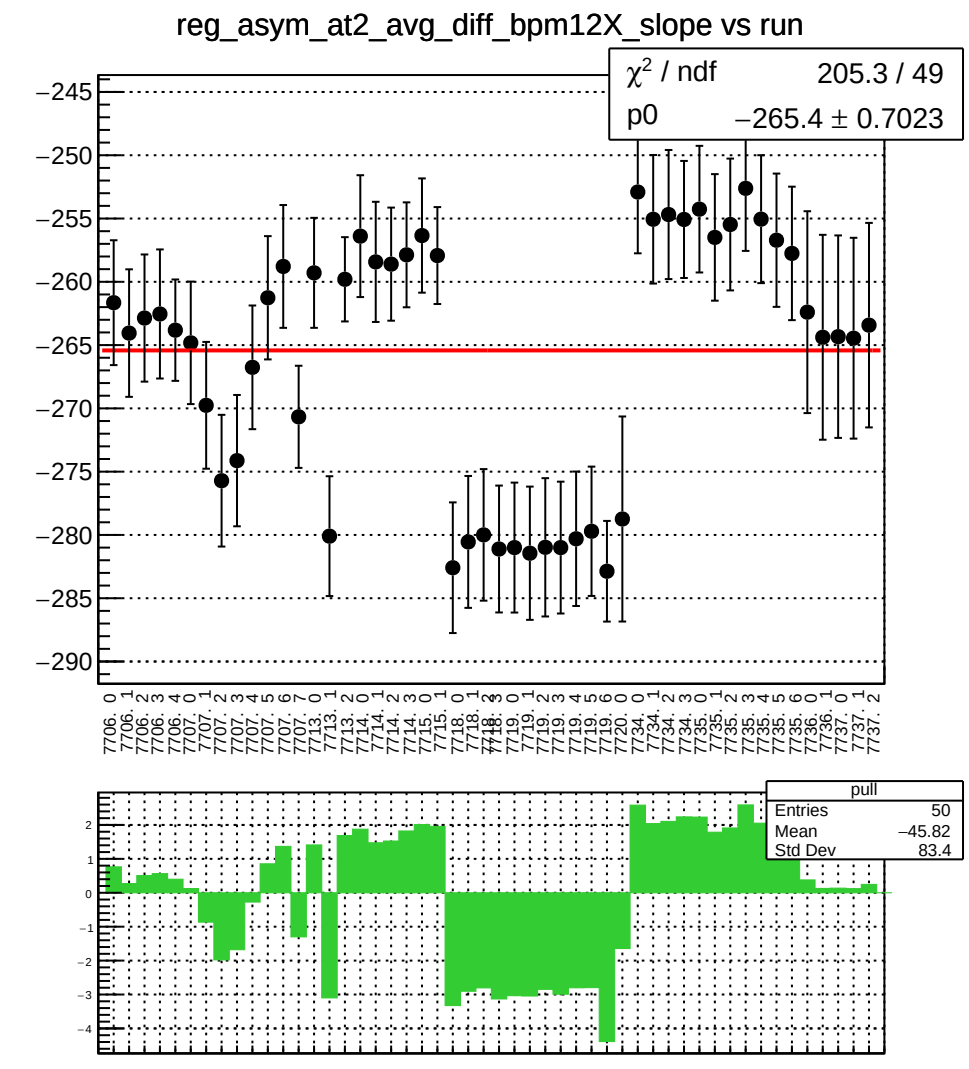

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 511 / 49
p0 −514.4 ± 8.978
0
−100
−200
−300
−400
−500
−600
−700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 33
Std Dev 19.05
4
2
0
−2
−4
pull1D
Entries 50
Mean 1.266
Std Dev 2.936
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

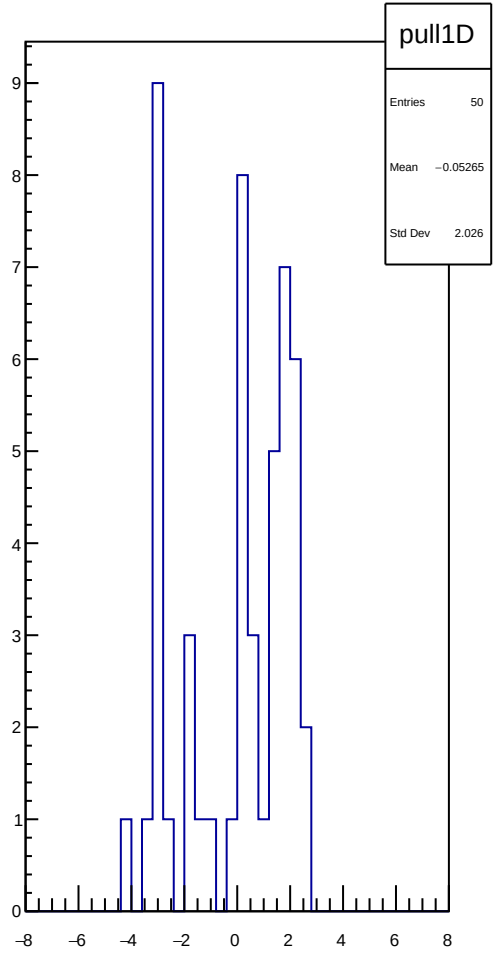

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.721 / 49
p0 76.17 ± 10.1
300
200
100
0
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 17.47
Std Dev 16.41
0.4
0.2
0
−0.2
−0.4

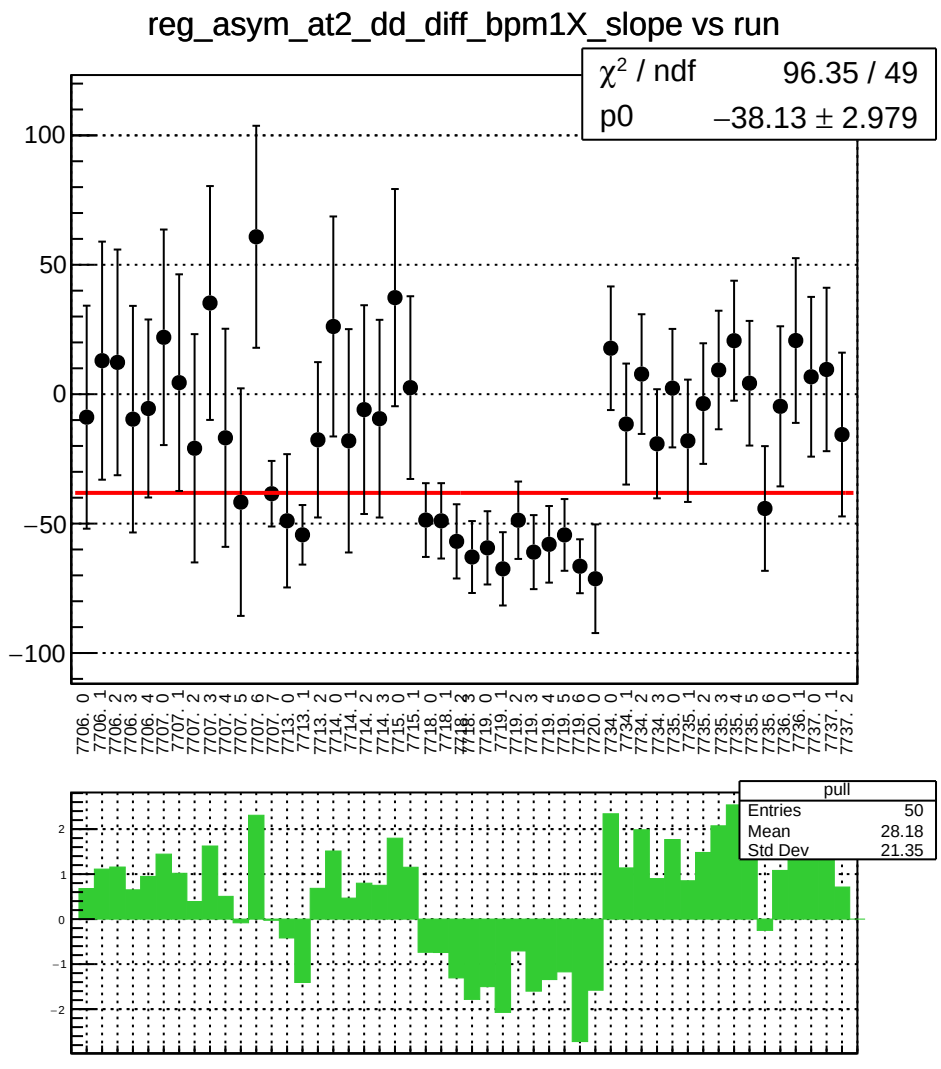

pull1D
Entries 50
Mean 0.07168
Std Dev 0.222
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

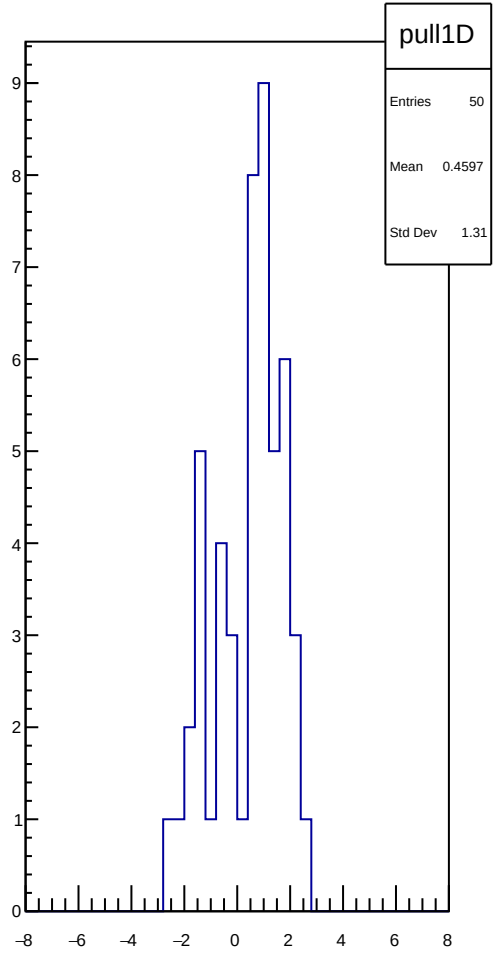

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 476 / 49
p0 543.7 ± 7.524
700
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 29.99
Std Dev 18.7
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 50
Mean −1.509
Std Dev 2.691
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

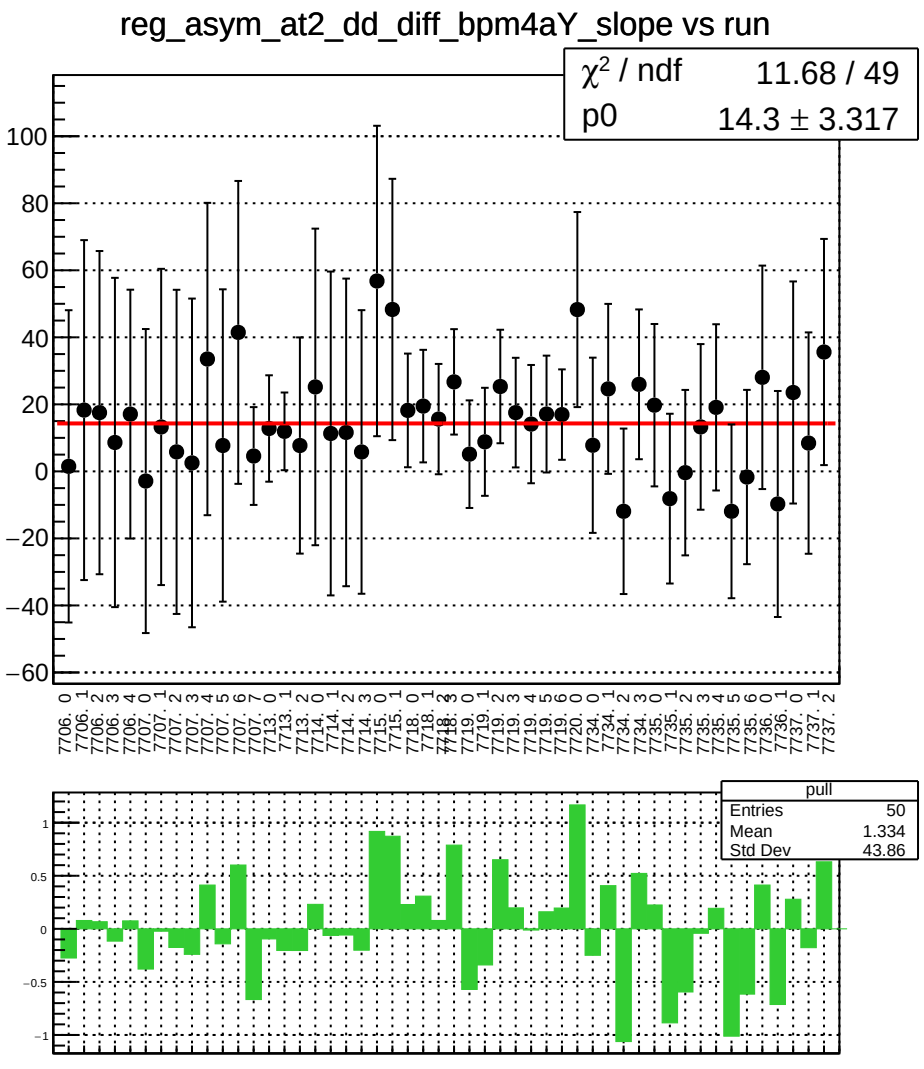

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.774 / 49
p0 22.9 ± 15.46
200
100
0
−100
−200
−300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 40.69
Std Dev 12.79
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 50
Mean −0.1227
Std Dev 0.347
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

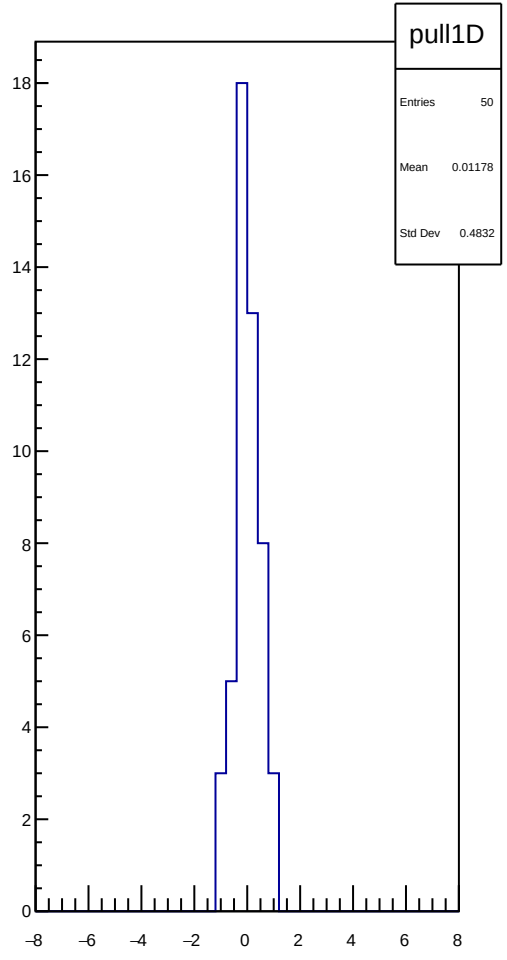

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 205.3 / 49
p0 −265.4 ± 0.7023
pull
Entries 50
Mean −45.82
Std Dev 83.4

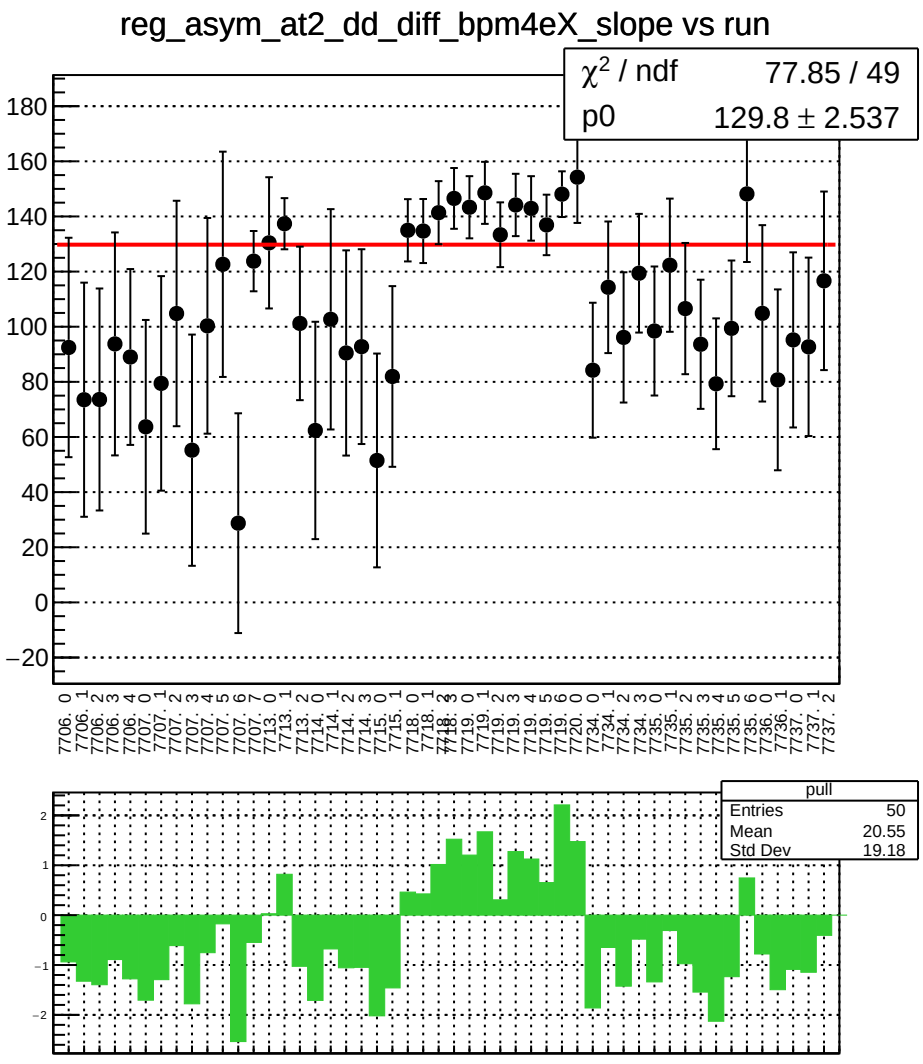

pull1D
Entries 50
Mean −0.05265
Std Dev 2.026

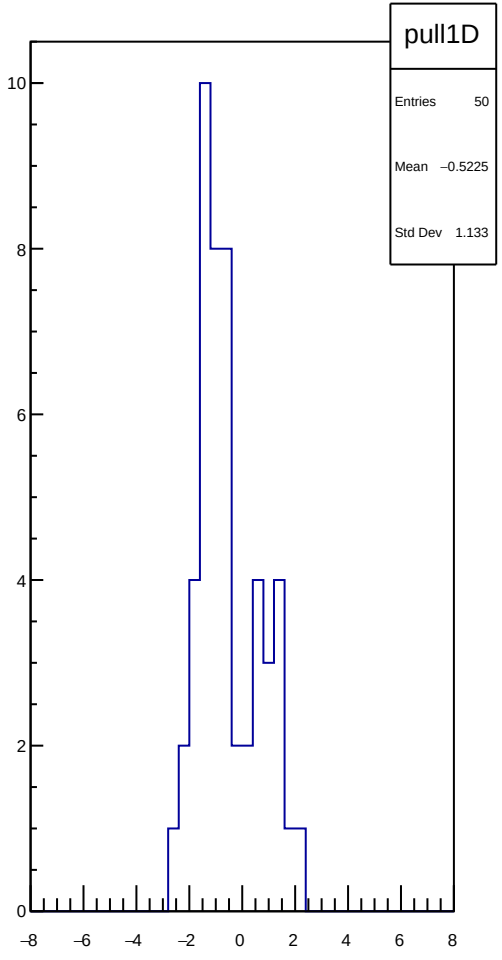

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 96.35 / 49
p0 −38.13 ± 2.979
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 28.18
Std Dev 21.35
2
1
0
−1
−2

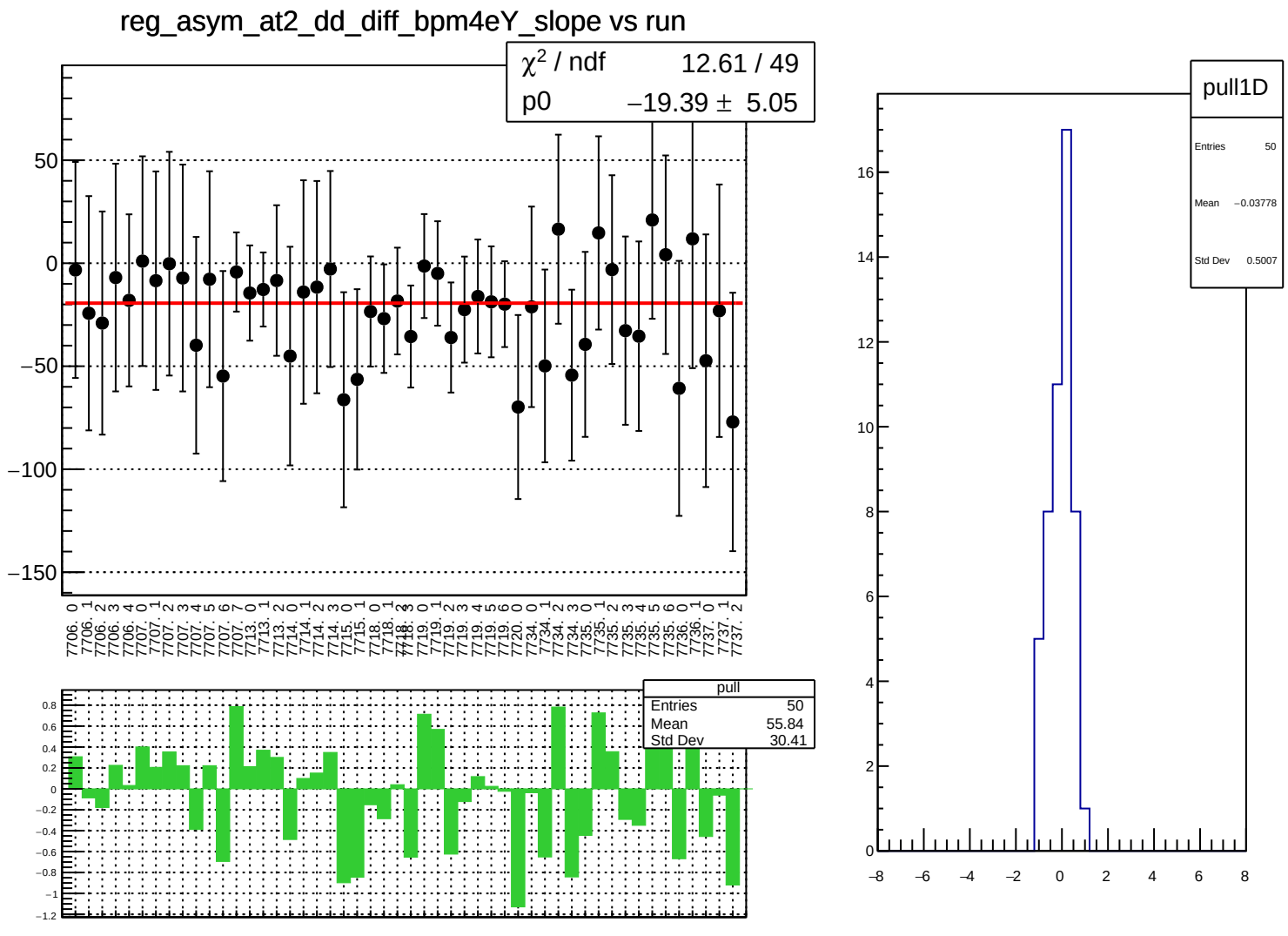

pull1D
Entries 50
Mean 0.4597
Std Dev 1.31
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

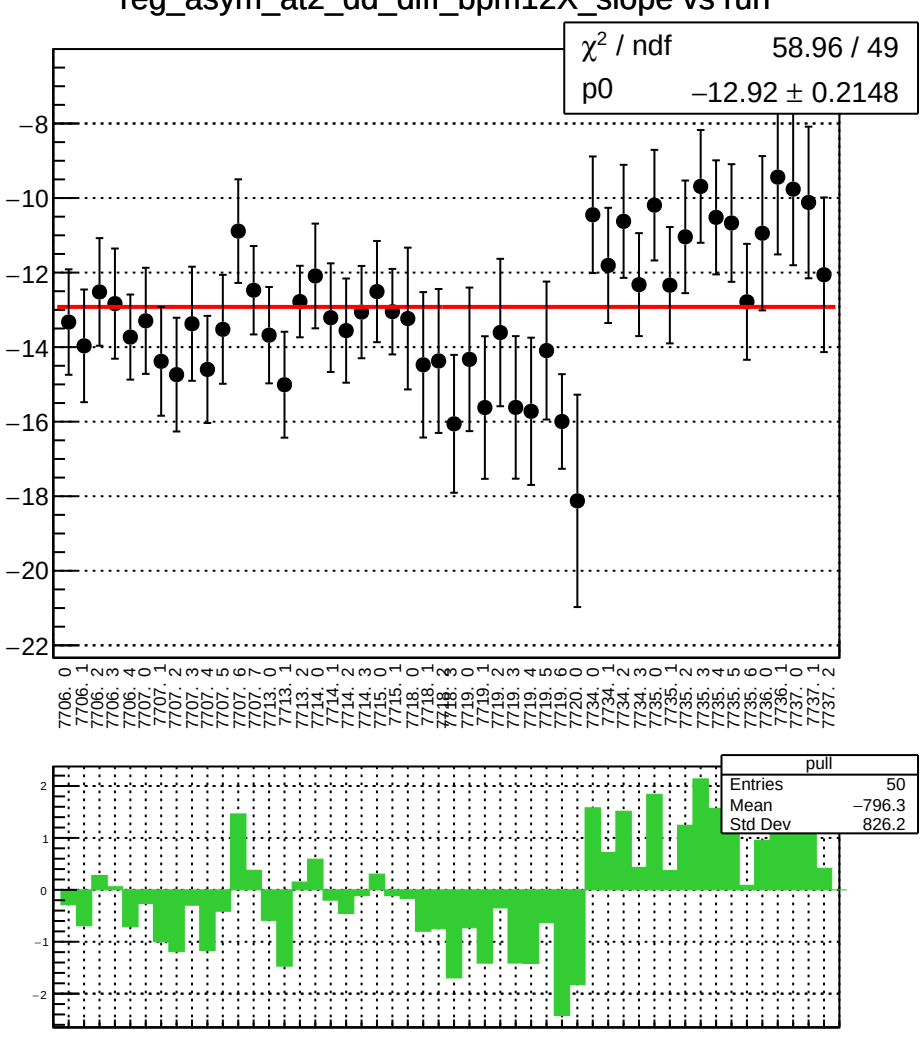

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.68 / 49
p0 14.3 ± 3.317
pull
Entries 50
Mean 1.334
Std Dev 43.86

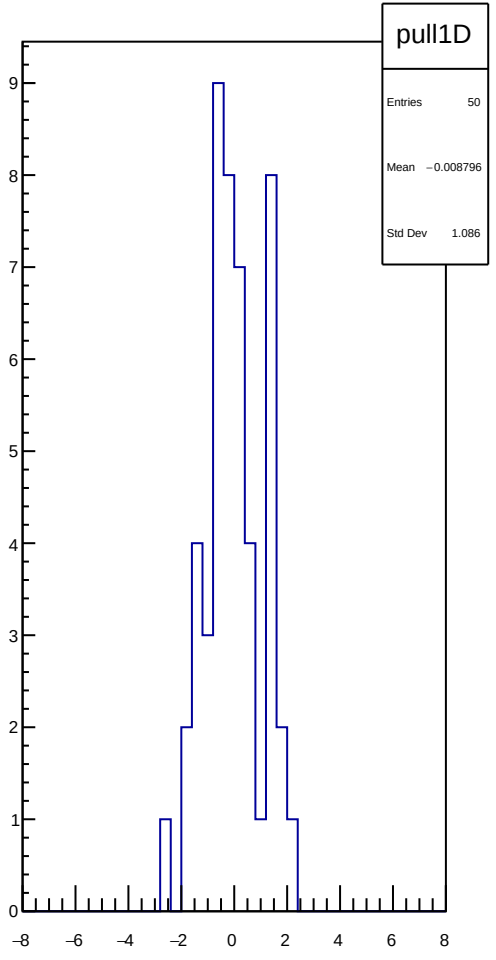

pull1D
Entries 50
Mean 0.01178
Std Dev 0.4832

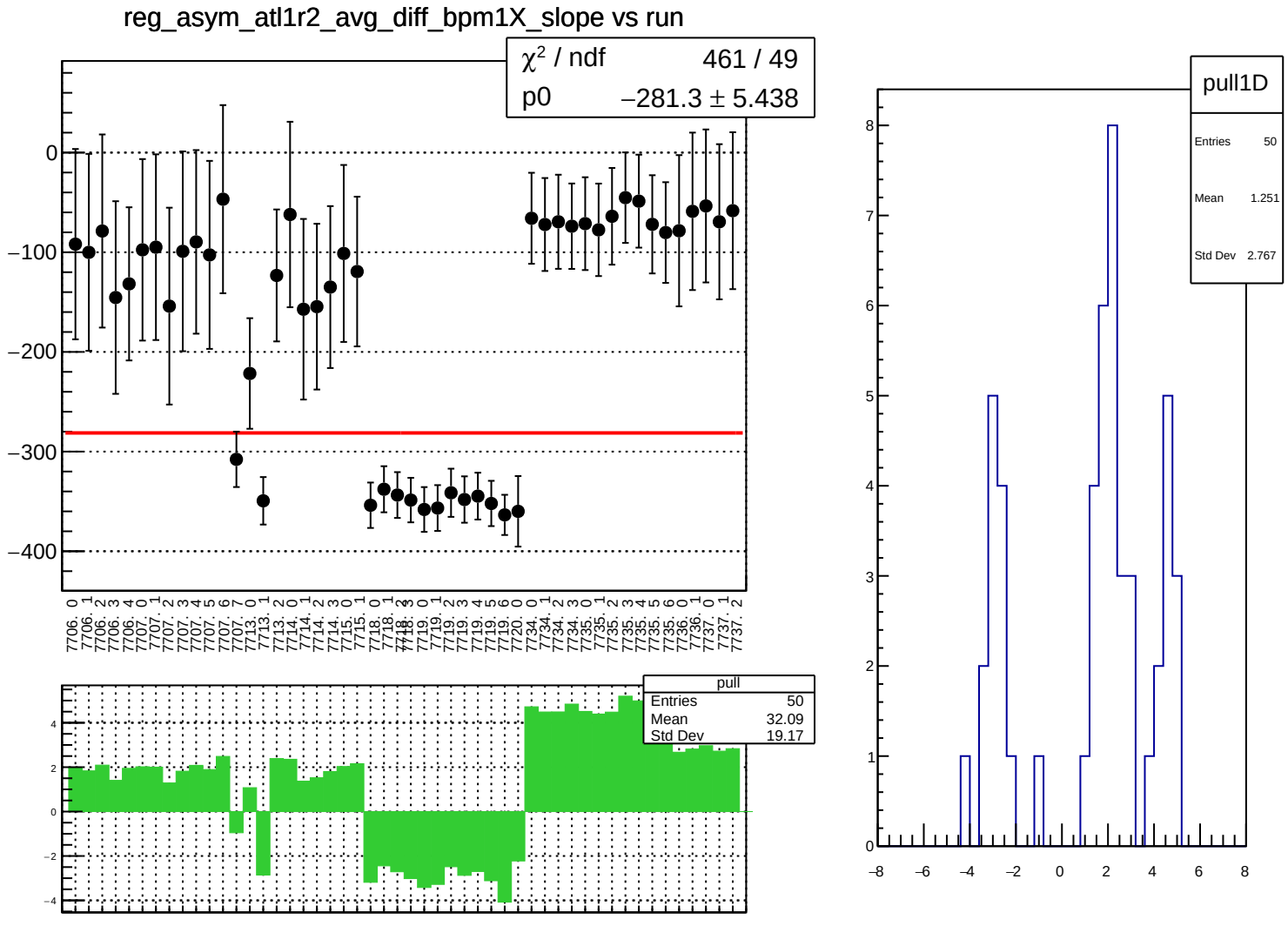

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.85 / 49
p0 129.8 ± 2.537
pull
Entries 50
Mean 20.55
Std Dev 19.18

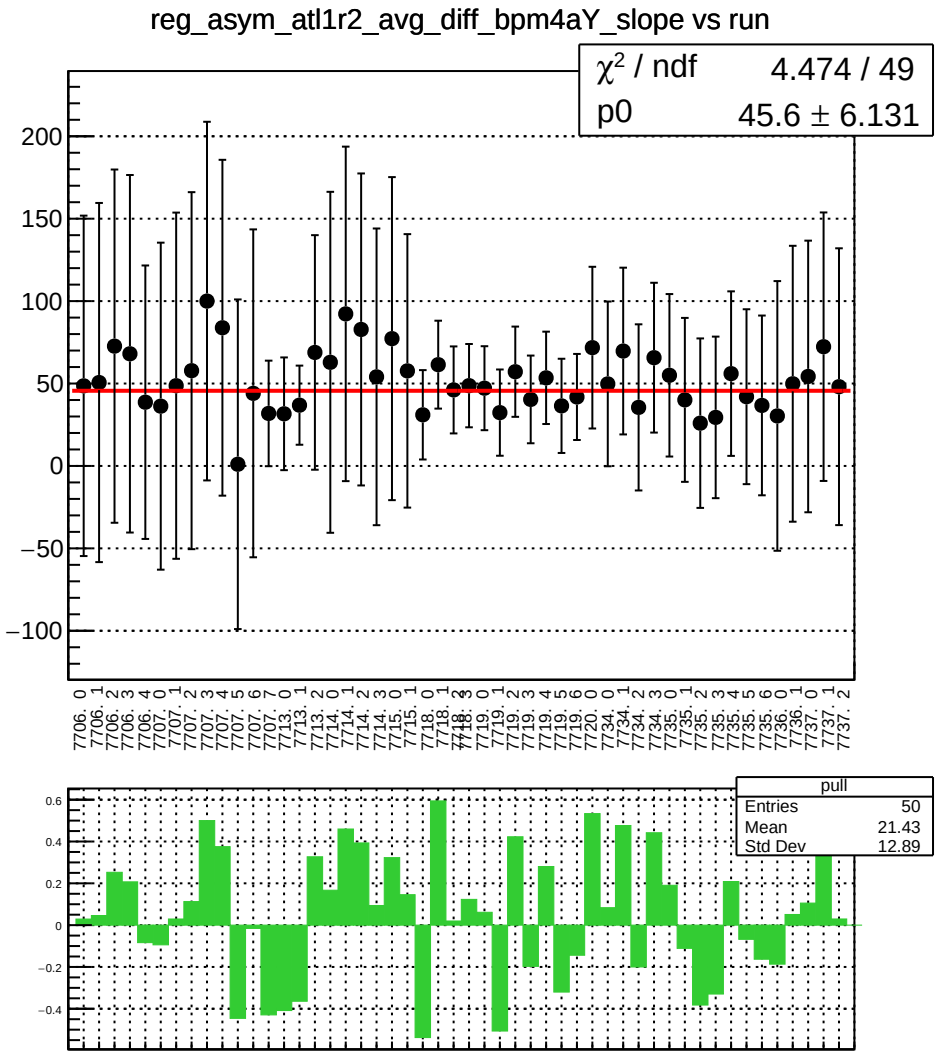

pull1D
Entries 50
Mean −0.5225
Std Dev 1.133

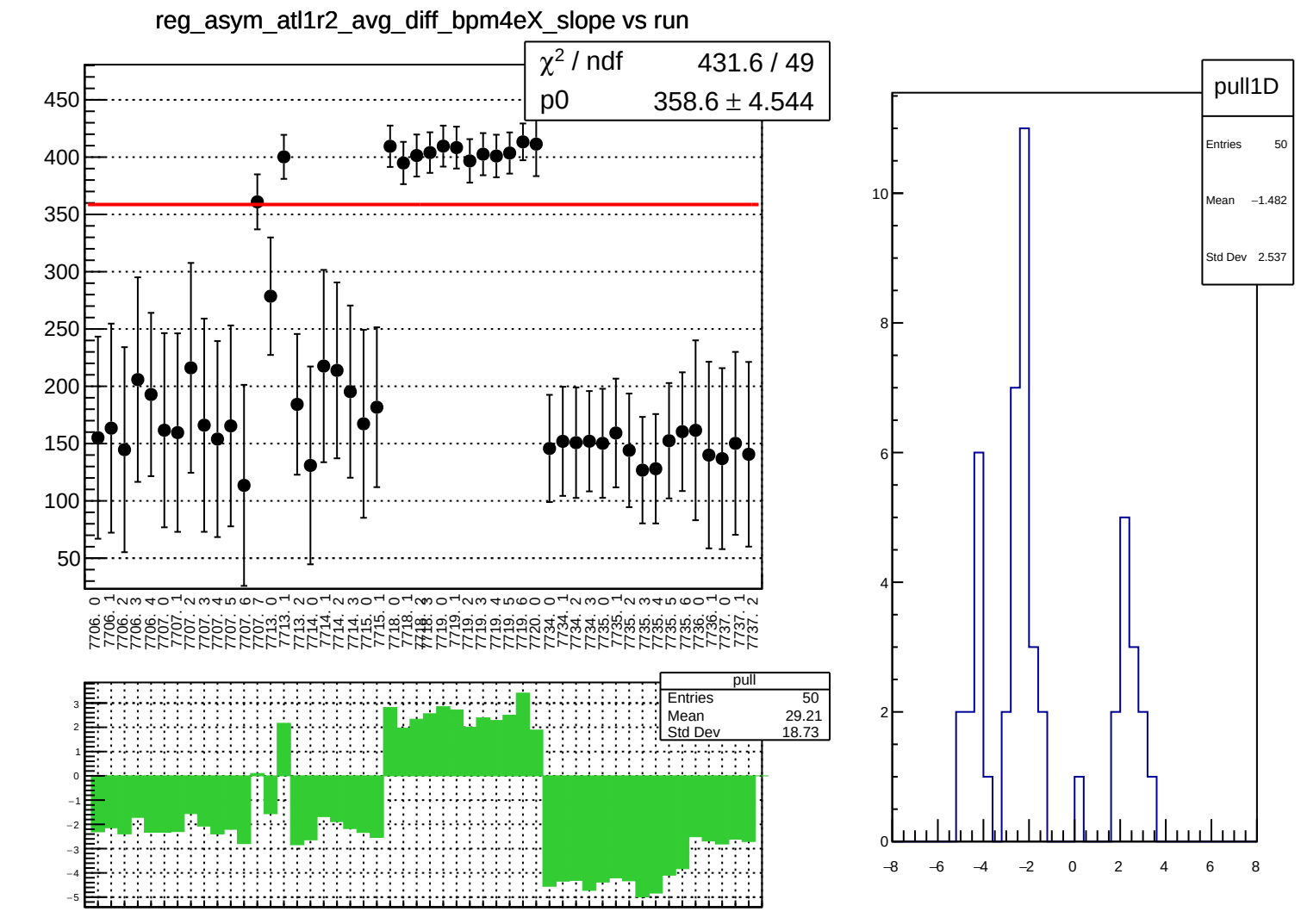

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.61 / 49
p0 −19.39 ± 5.05
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 55.84
Std Dev 30.41
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 50
Mean −0.03778
Std Dev 0.5007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

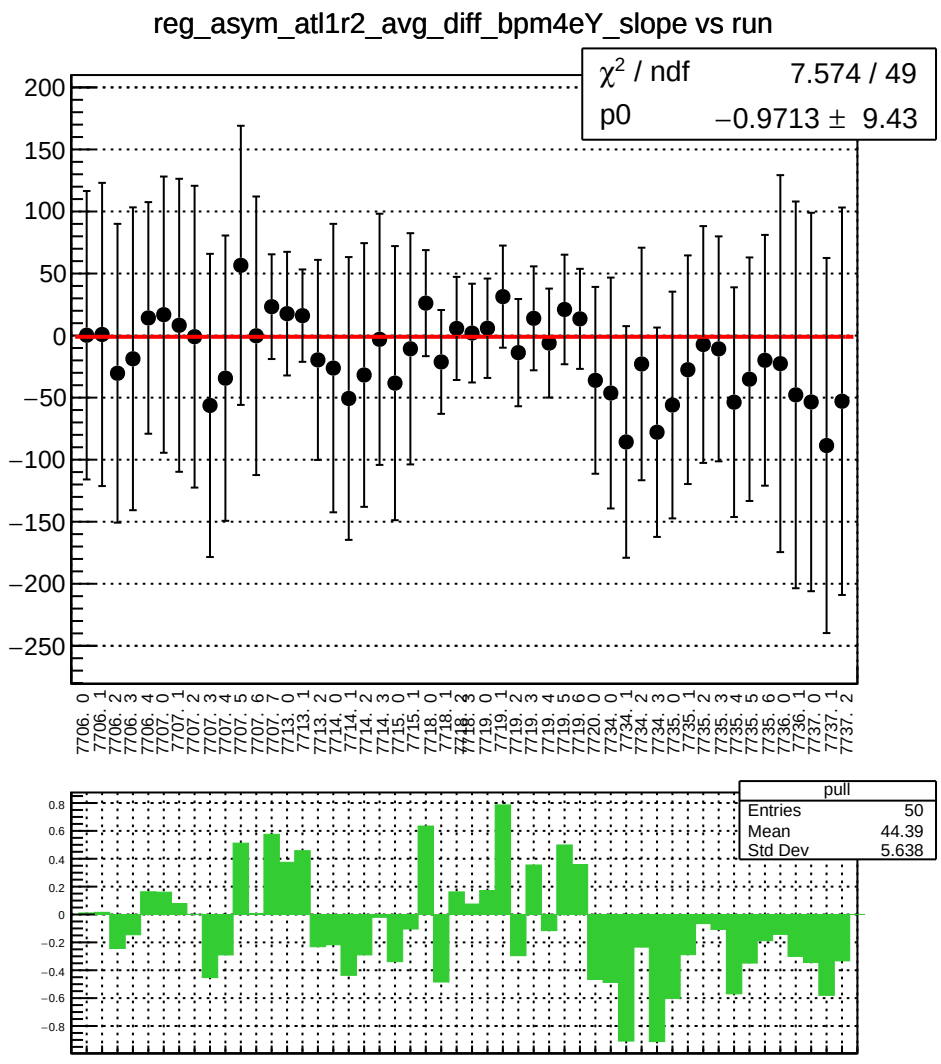

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 58.96 / 49
p0 −12.92 ± 0.2148
pull
Entries 50
Mean −796.3
Std Dev 826.2

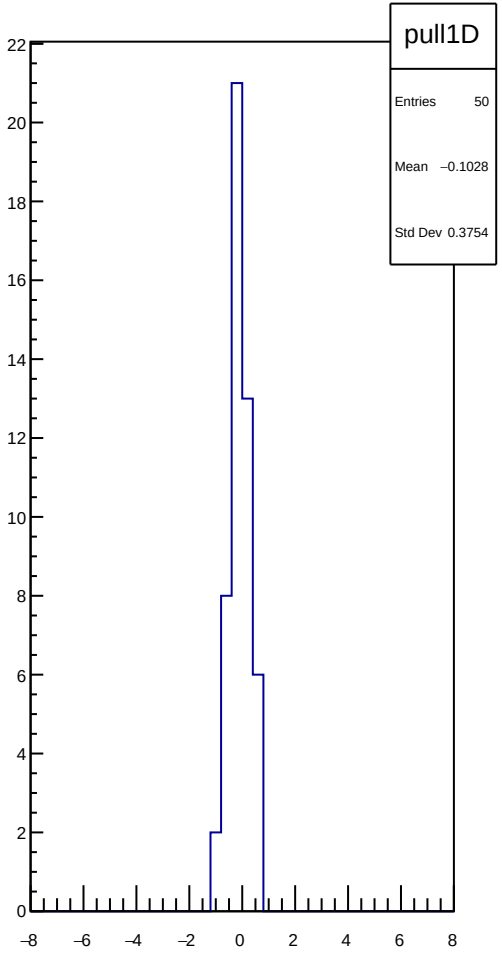

pull1D
Entries 50
Mean −0.008796
Std Dev 1.086

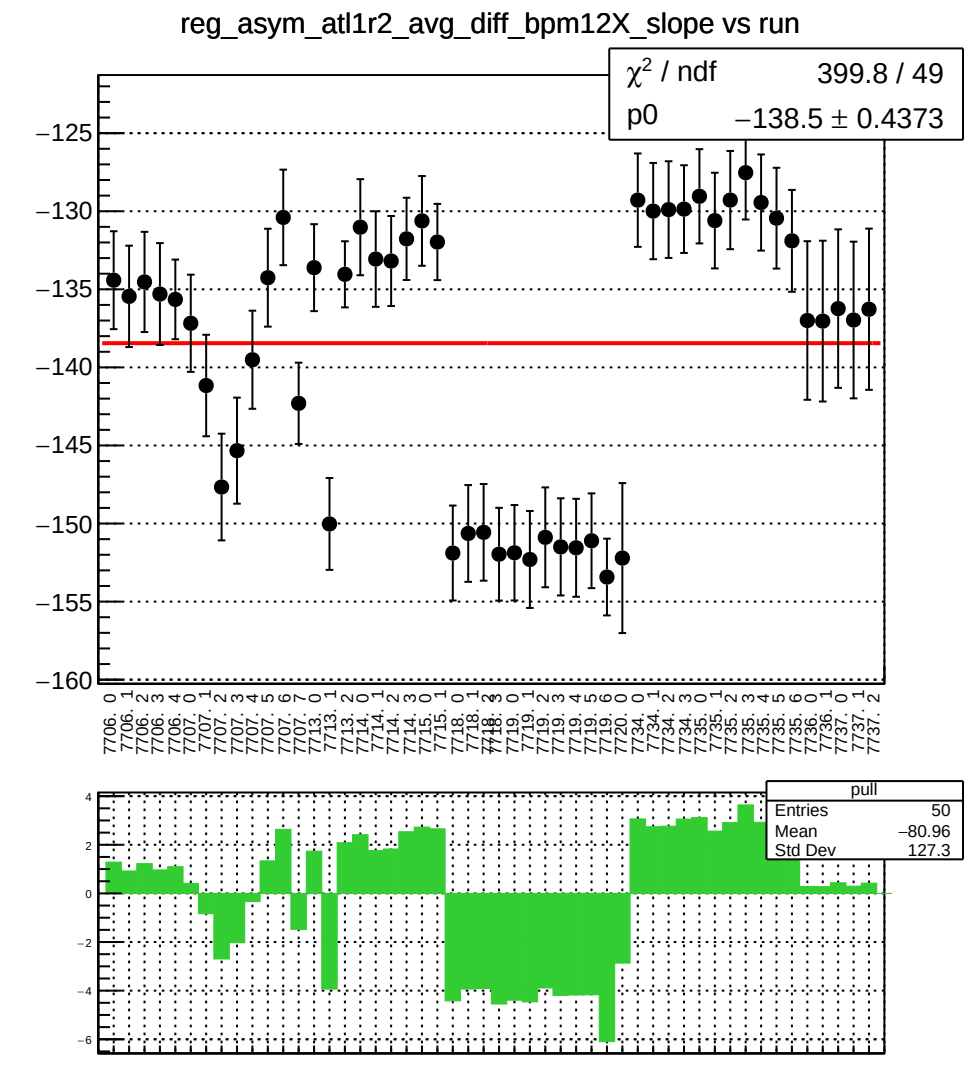

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 461 / 49
p0 −281.3 ± 5.438
0
−100
−200
−300
−400
pull
Entries 50
Mean 32.09
Std Dev 19.17
pull1D
Entries 50
Mean 1.251
Std Dev 2.767

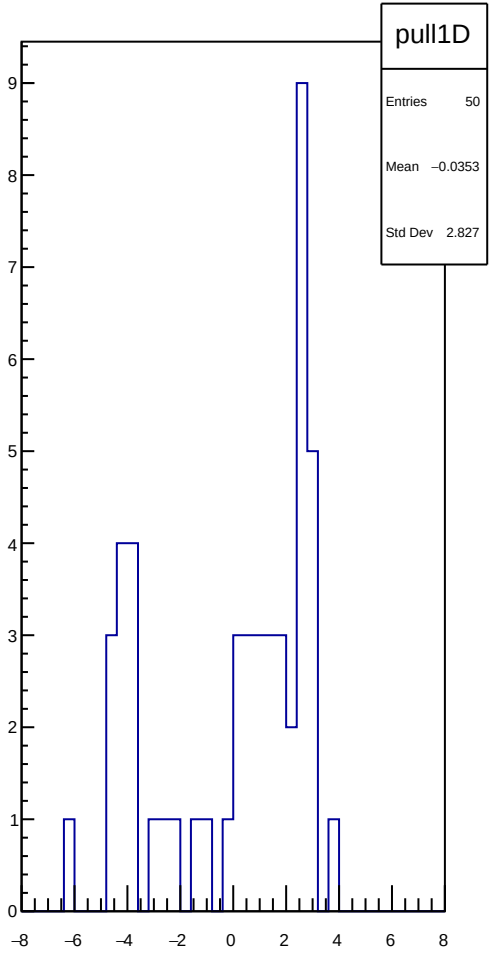

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.474 / 49
p0 45.6 ± 6.131
200
150
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 21.43
Std Dev 12.89
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 50
Mean 0.04849
Std Dev 0.2952
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

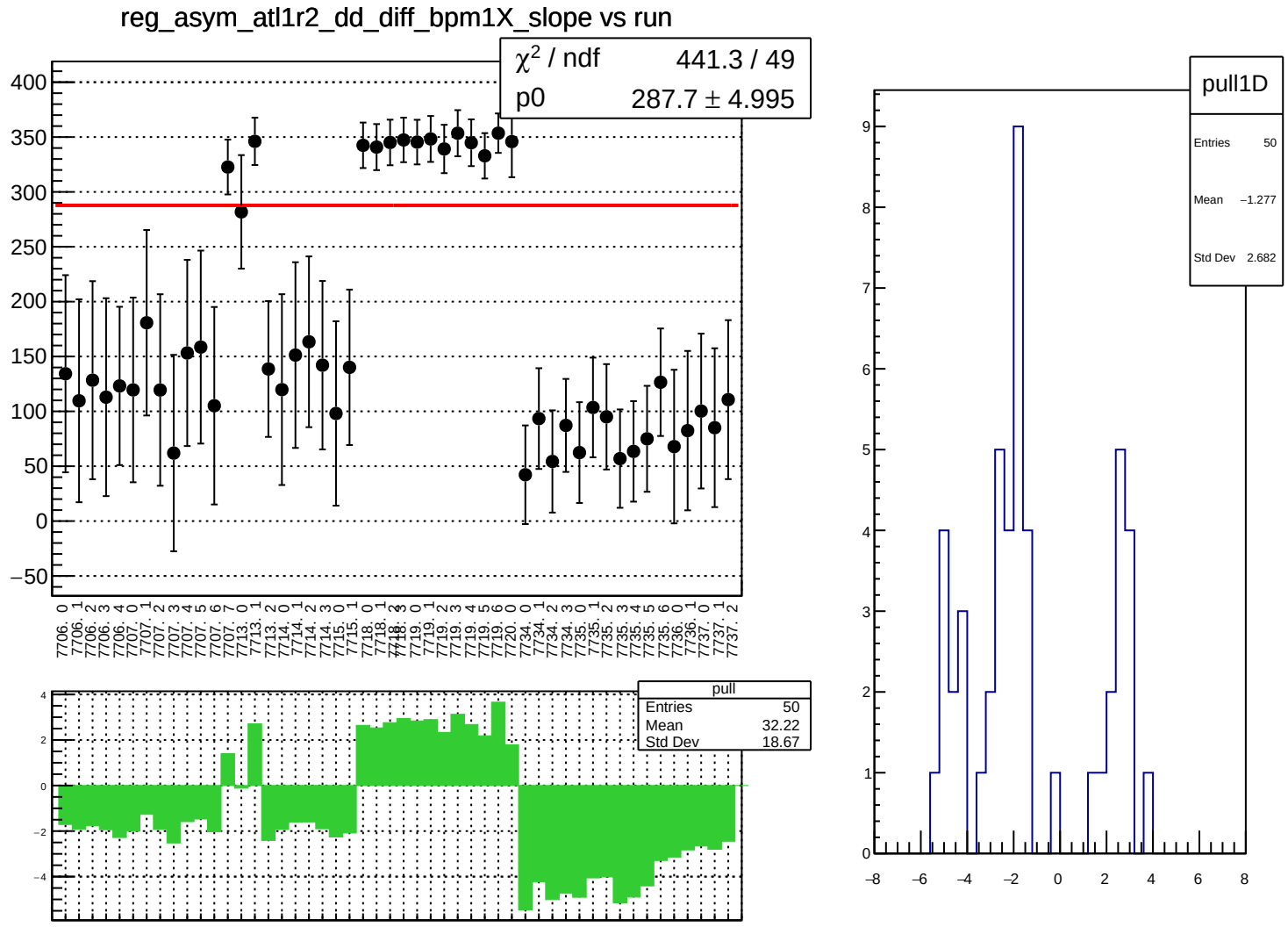

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 431.6 / 49
p0 358.6 ± 4.544
pull
Entries 50
Mean 29.21
Std Dev 18.73
pull1D
Entries 50
Mean −1.482
Std Dev 2.537

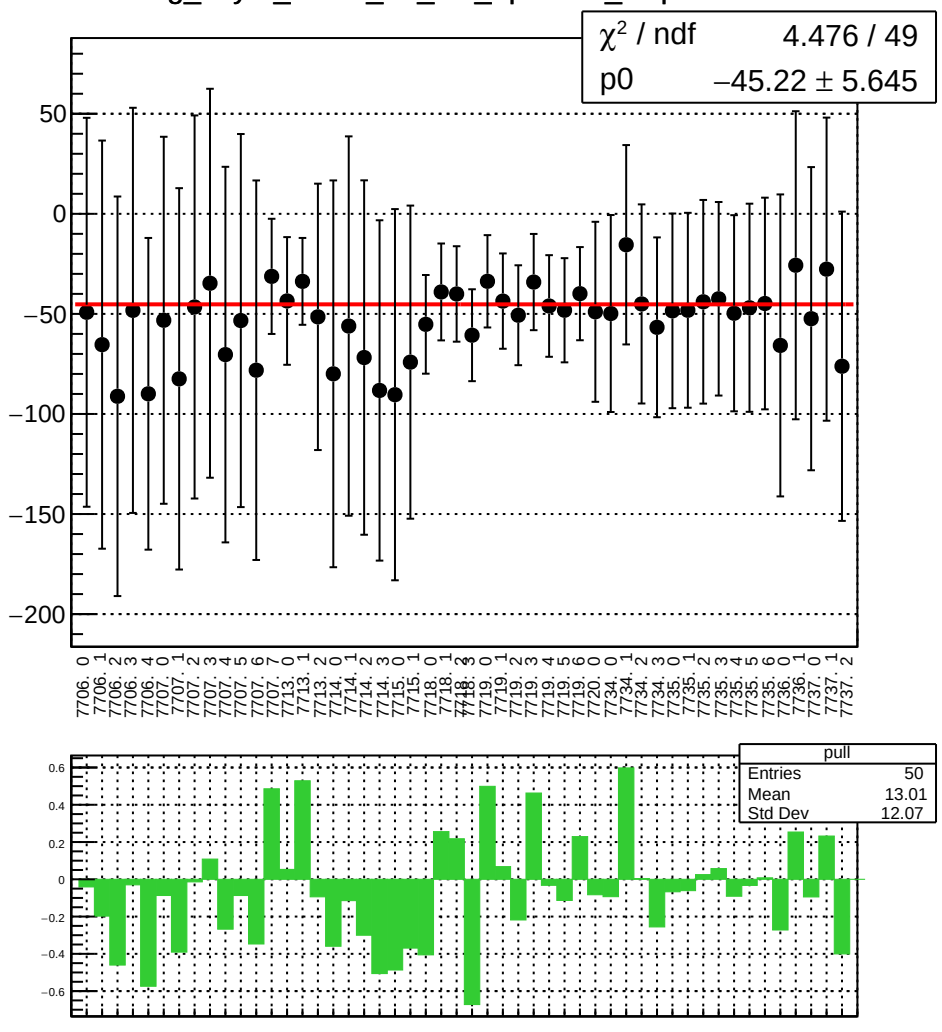

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.574 / 49
p0 −0.9713 ± 9.43
pull
Entries 50
Mean 44.39
Std Dev 5.638

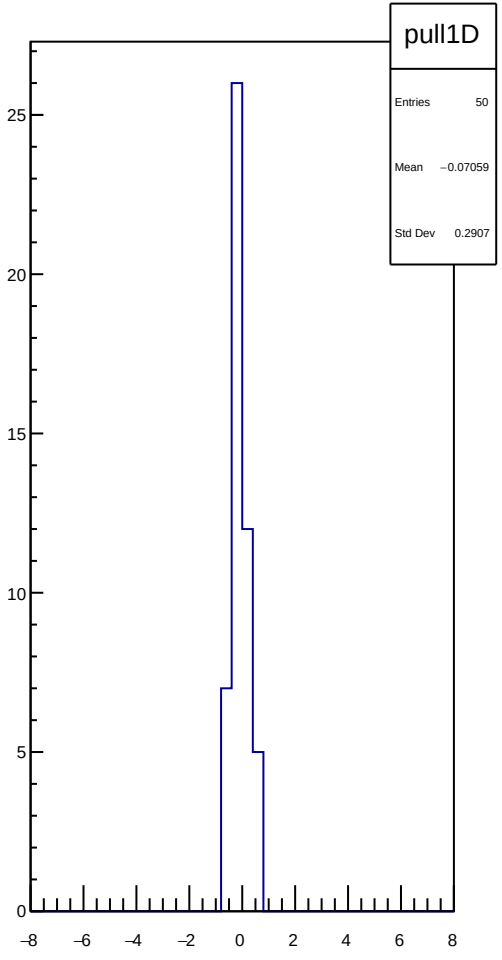

pull1D
Entries 50
Mean −0.1028
Std Dev 0.3754

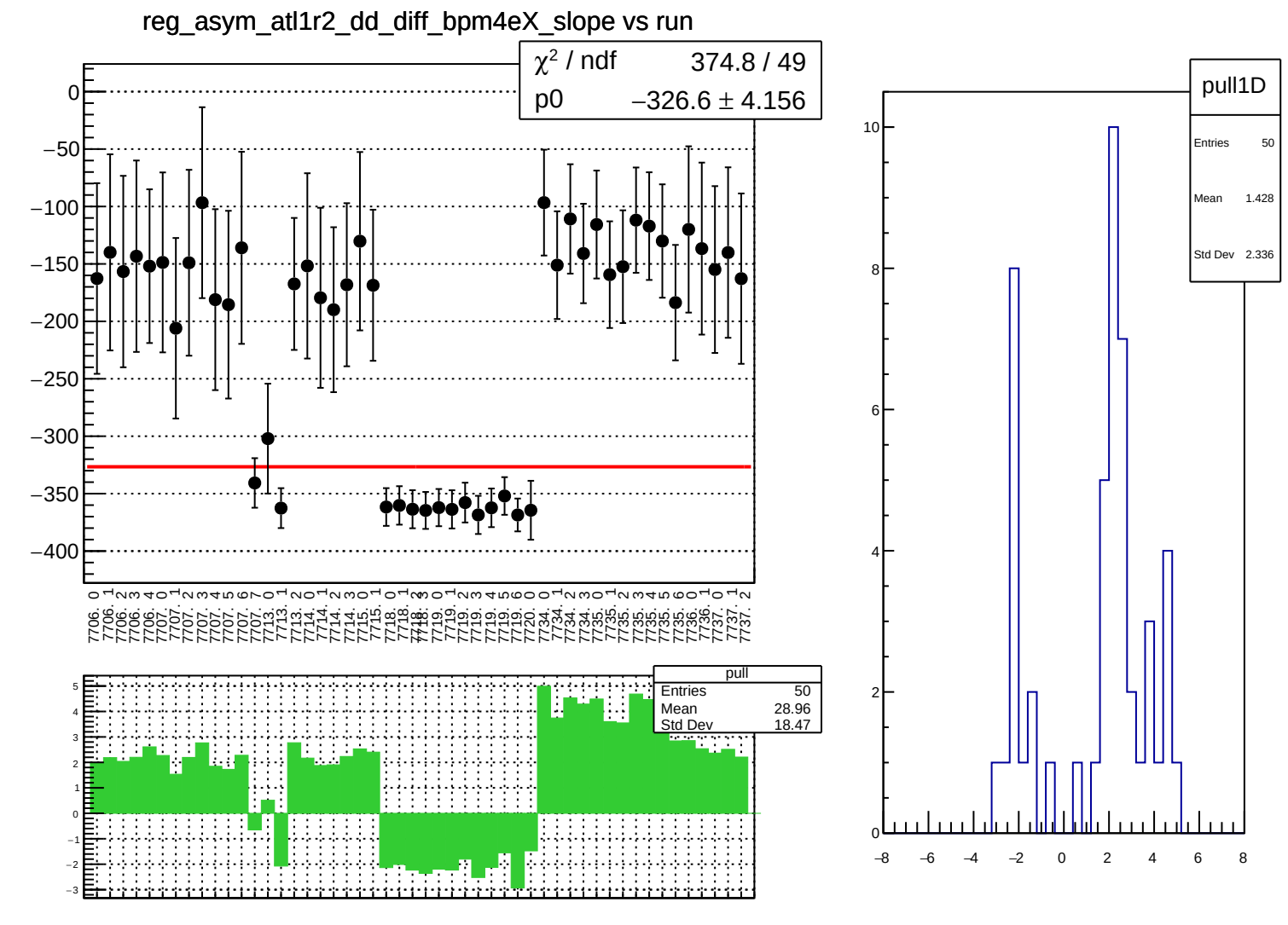

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 399.8 / 49
p0 −138.5 ± 0.4373
pull
Entries 50
Mean −80.96
Std Dev 127.3

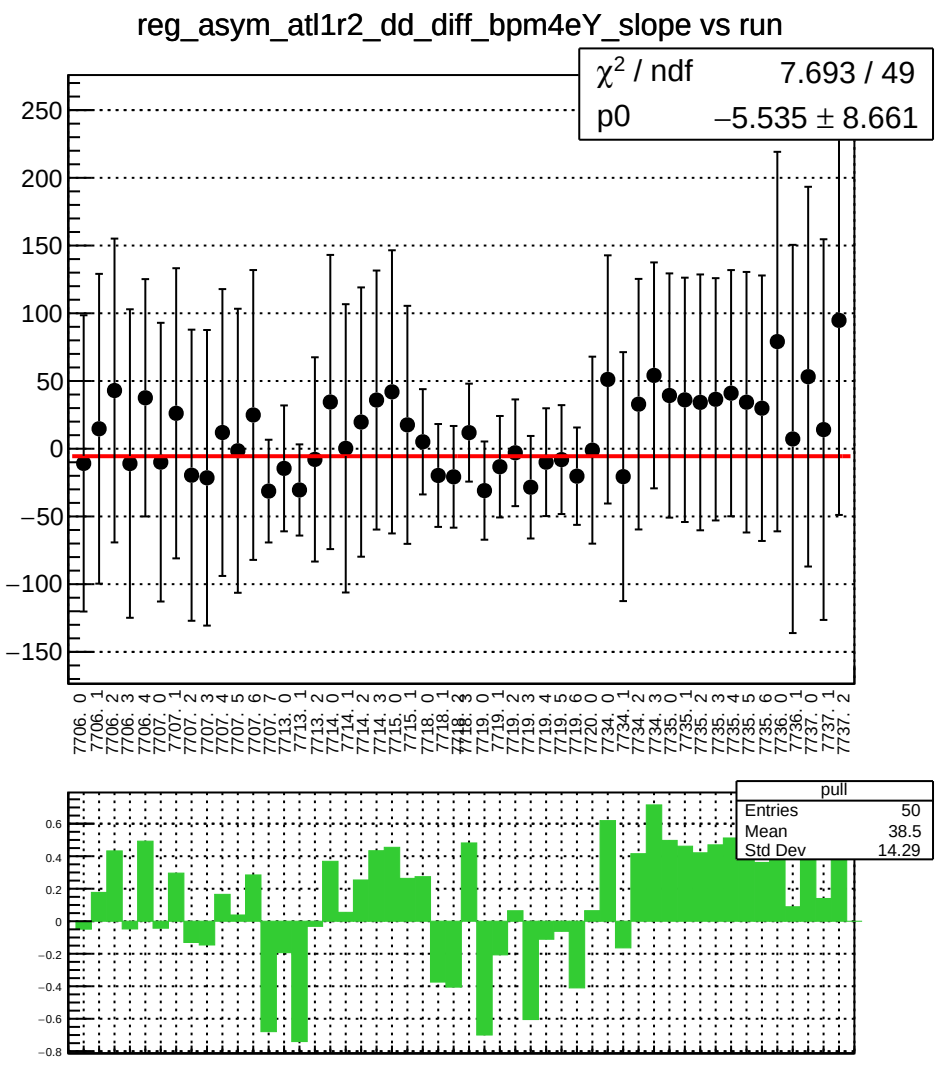

pull1D
Entries 50
Mean −0.0353
Std Dev 2.827

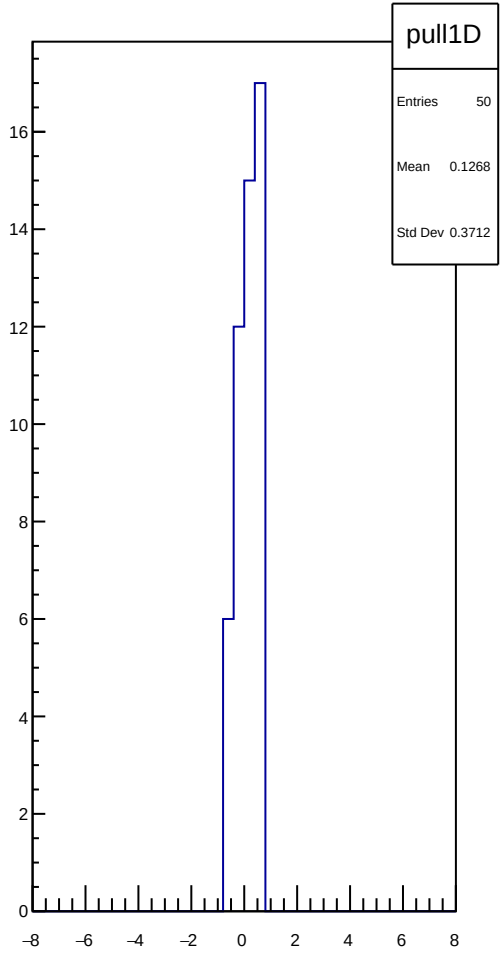

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 441.3 / 49
p0 287.7 ± 4.995
pull
Entries 50
Mean 32.22
Std Dev 18.67
pull1D
Entries 50
Mean −1.277
Std Dev 2.682

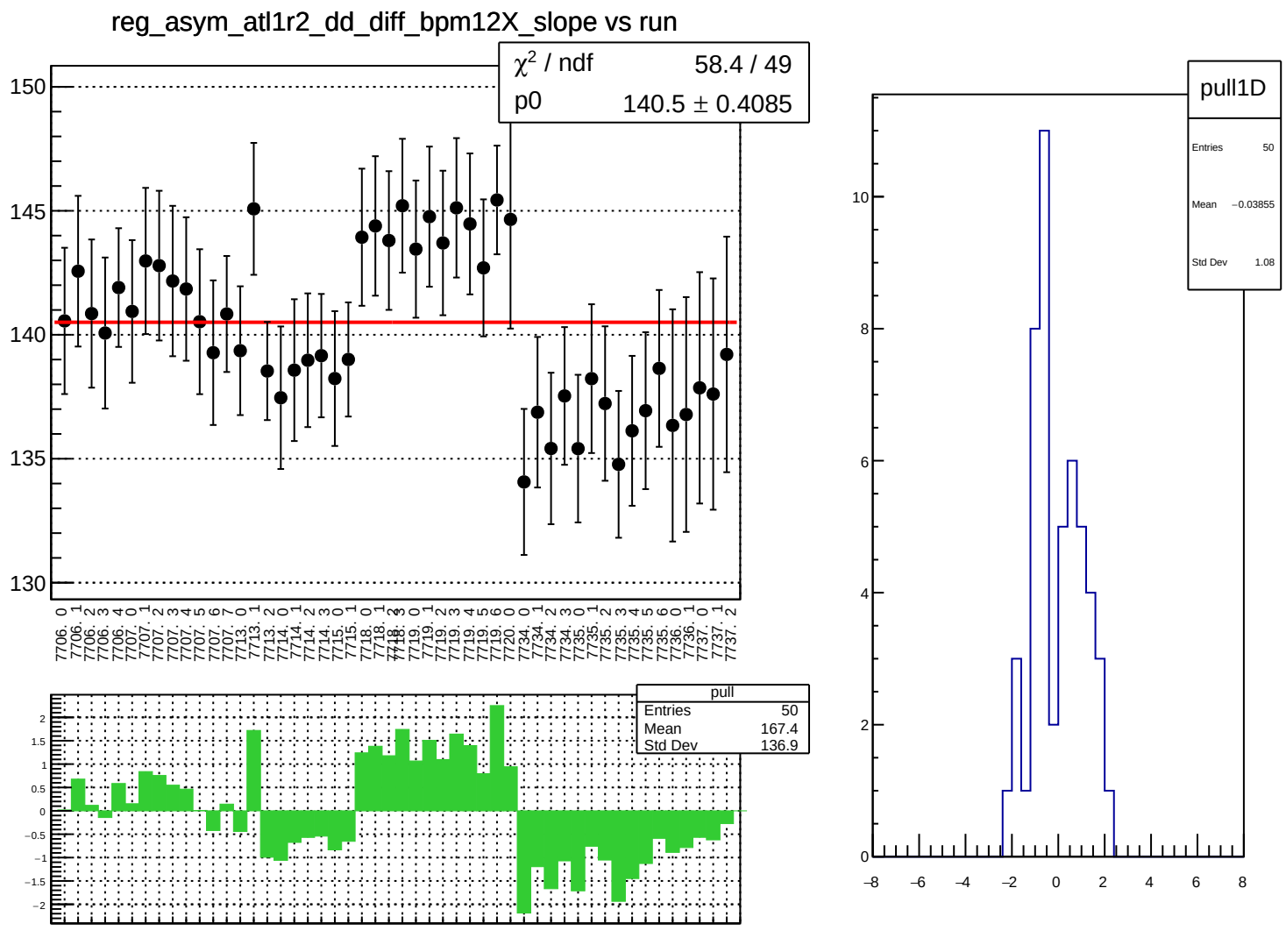

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.476 / 49
p0 −45.22 ± 5.645
pull
Entries 50
Mean 13.01
Std Dev 12.07

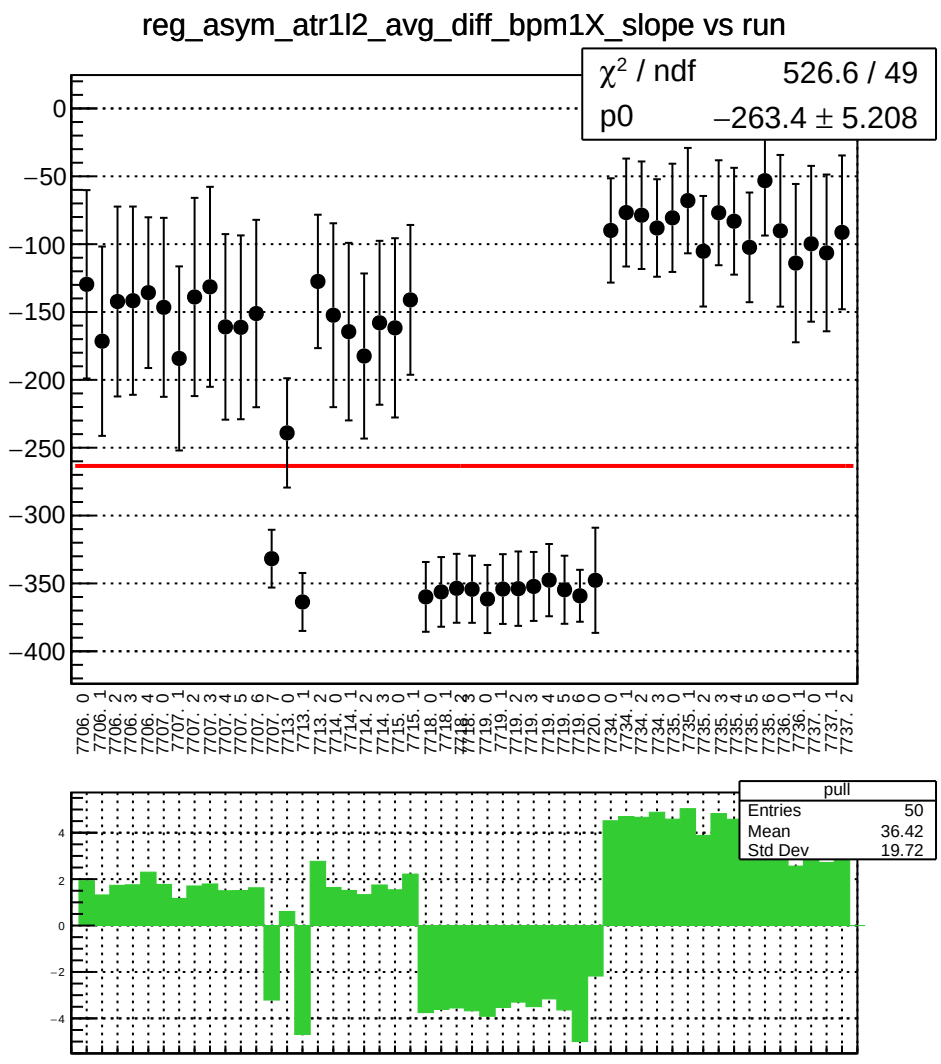

pull1D
Entries 50
Mean −0.07059
Std Dev 0.2907

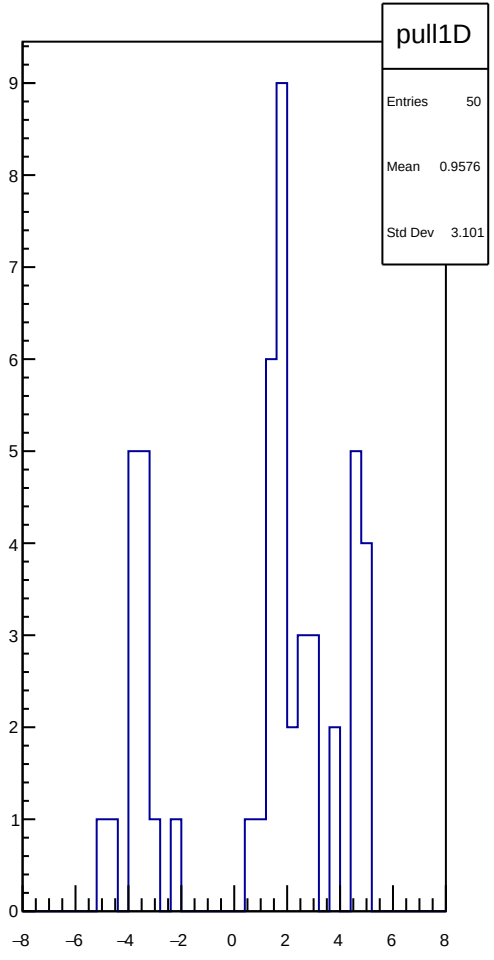

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 374.8 / 49
p0 −326.6 ± 4.156
pull
Entries 50
Mean 28.96
Std Dev 18.47
pull1D
Entries 50
Mean 1.428
Std Dev 2.336

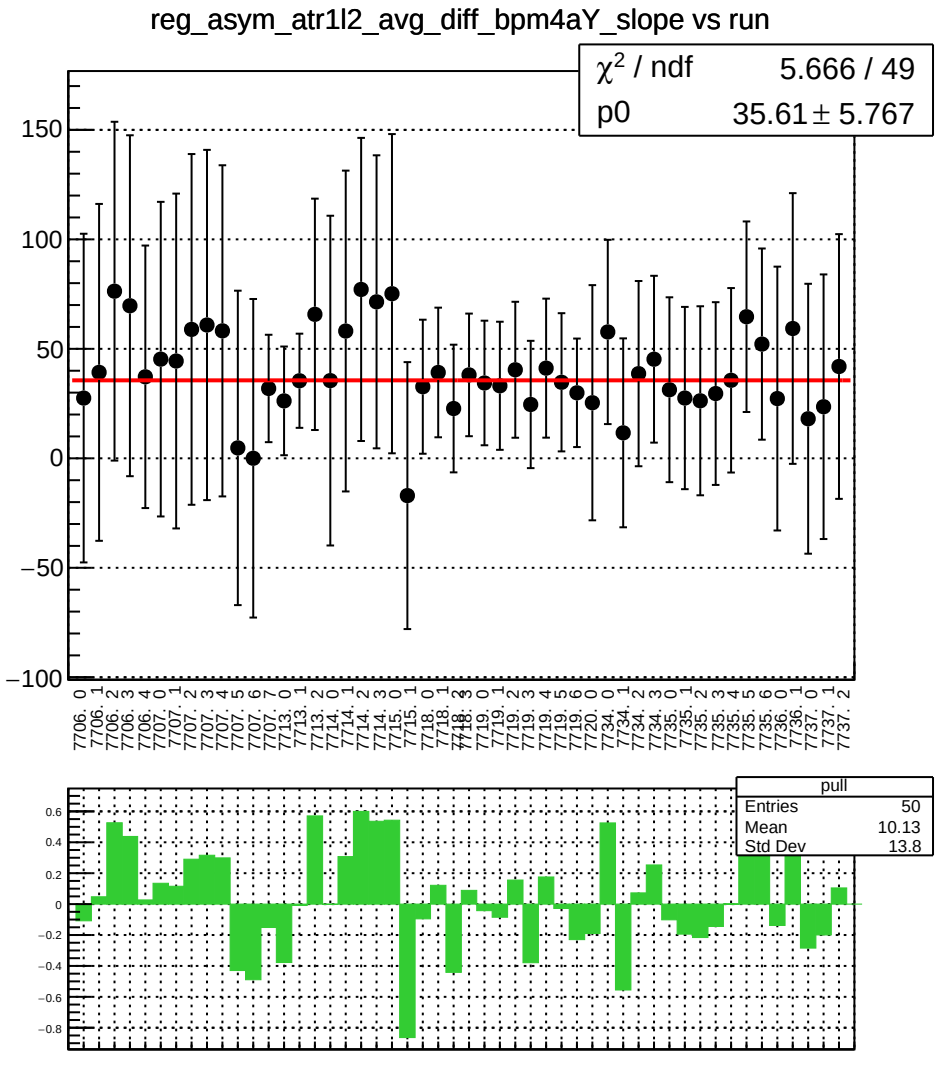

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.693 / 49
p0 −5.535 ± 8.661
pull
Entries 50
Mean 38.5
Std Dev 14.29

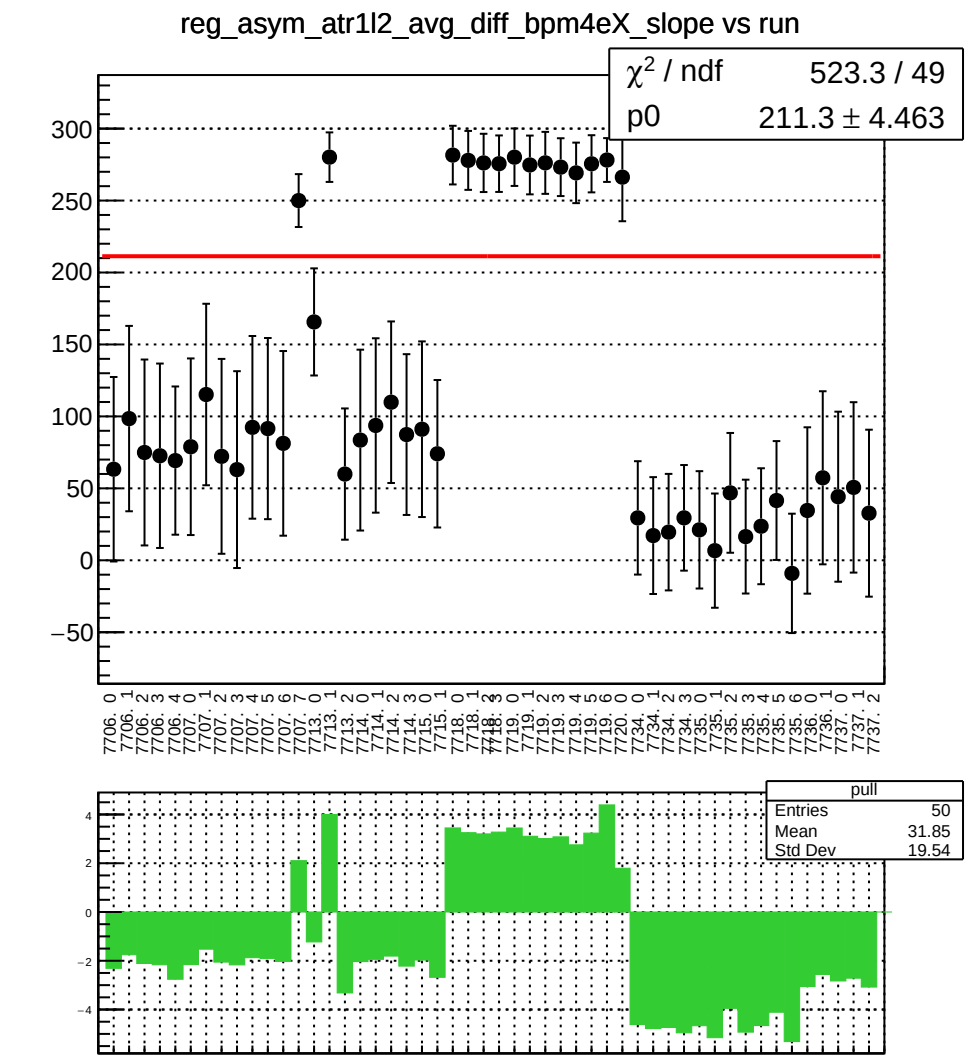

pull1D
Entries 50
Mean 0.1268
Std Dev 0.3712

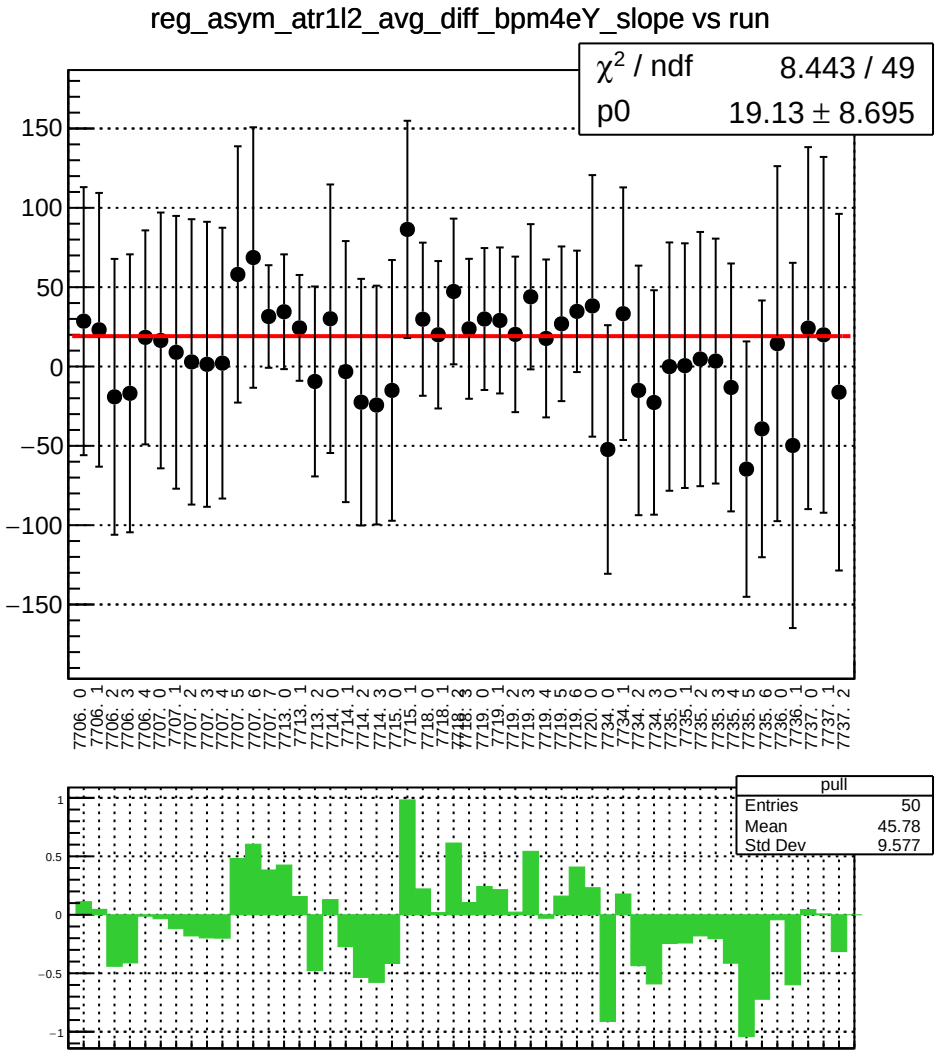

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 58.4 / 49
p0 140.5 ± 0.4085
150
145
140
135
130
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 167.4
Std Dev 136.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.03855
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

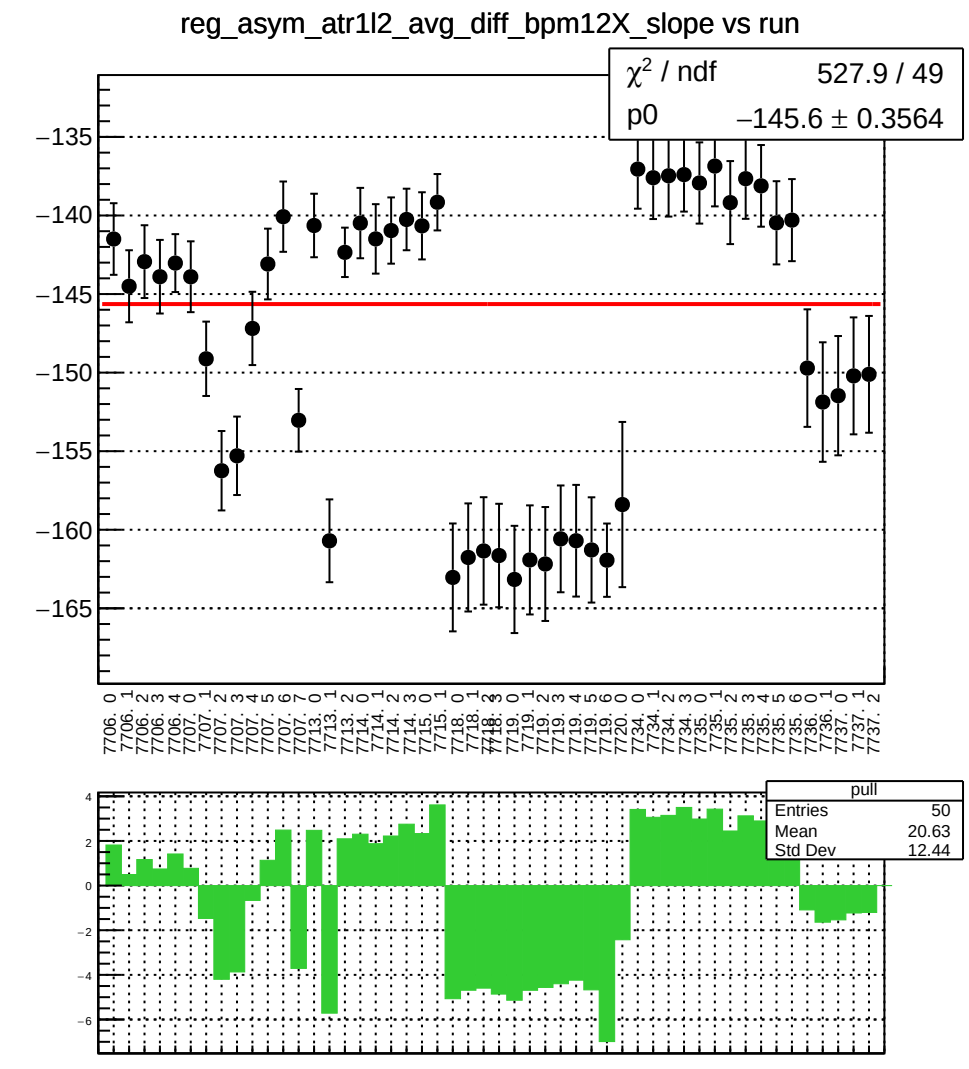

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 526.6 / 49
p0 −263.4 ± 5.208
pull
Entries 50
Mean 36.42
Std Dev 19.72

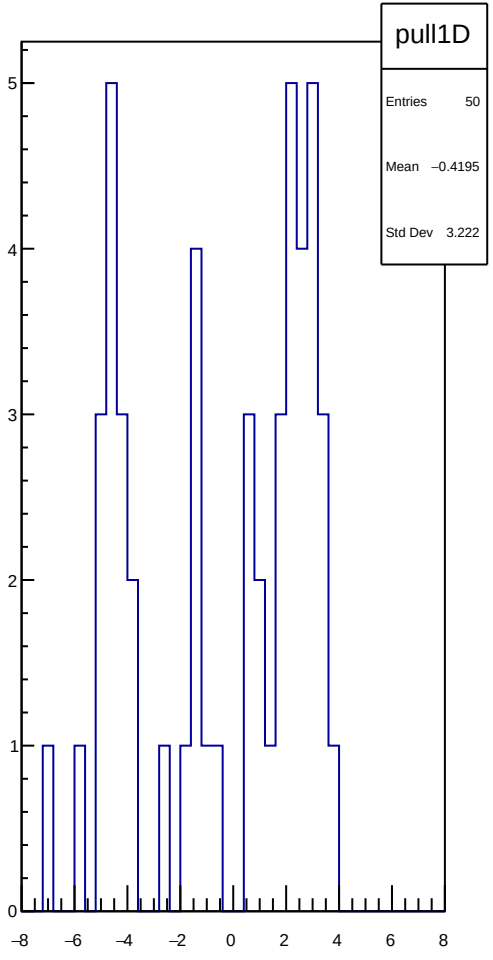

pull1D
Entries 50
Mean 0.9576
Std Dev 3.101

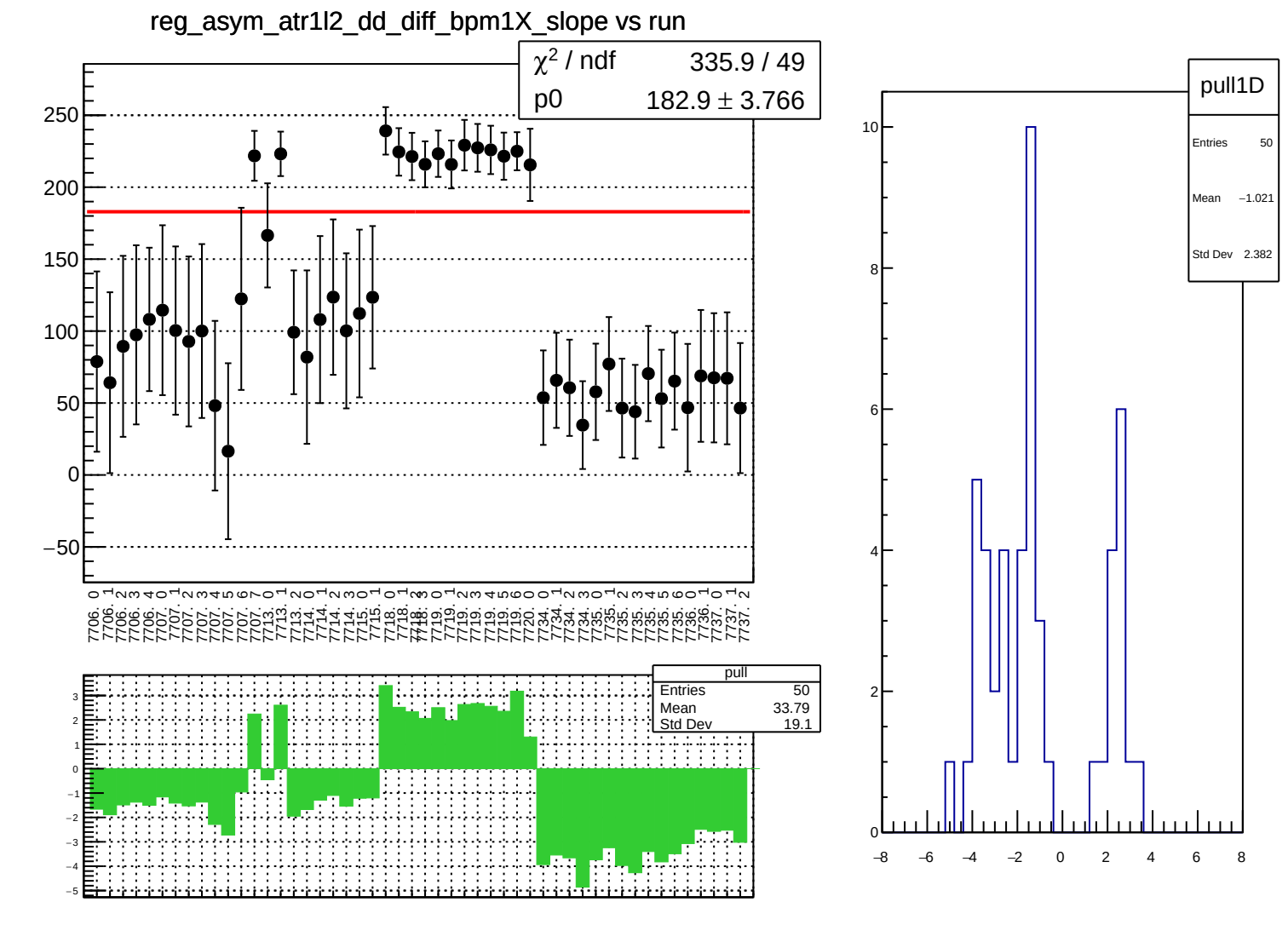

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.666 / 49
p0 35.61 ± 5.767
150
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 10.13
Std Dev 13.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean 0.03846
Std Dev 0.3344
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

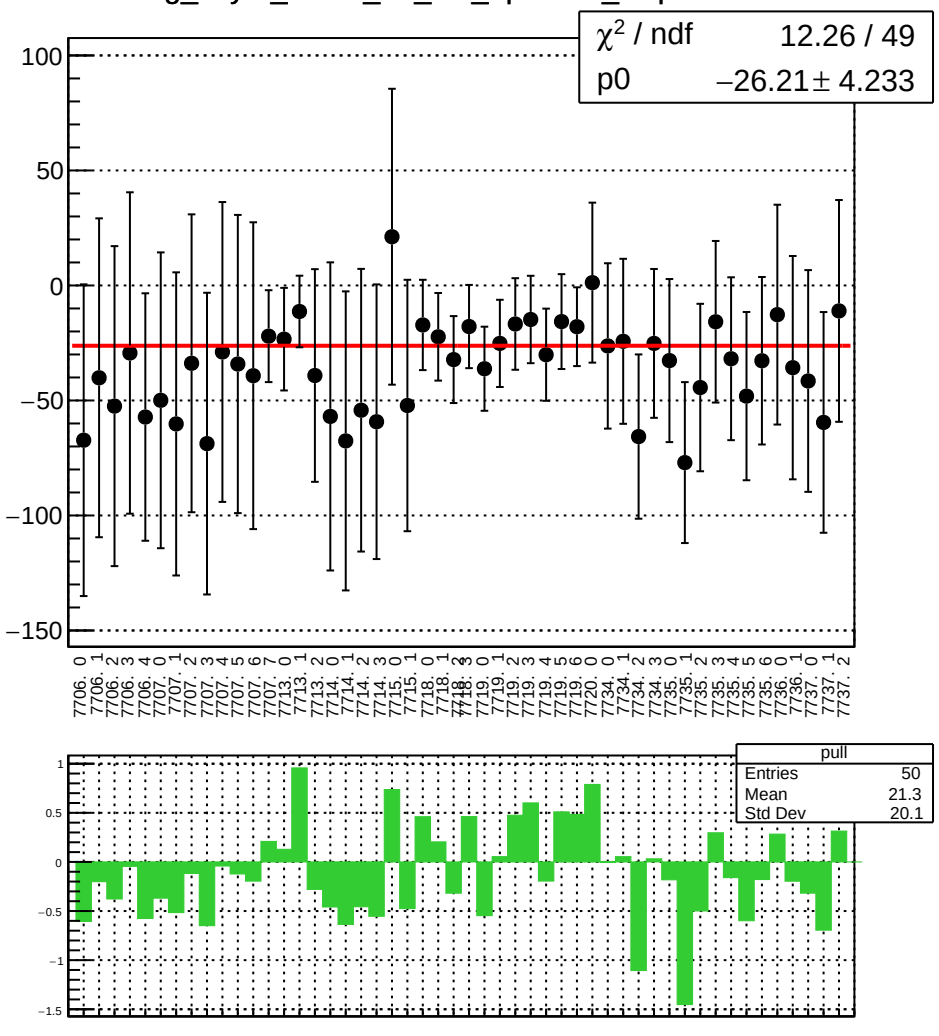

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 523.3 / 49
p0 211.3 ± 4.463
300
250
200
150
100
50
0
−50
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 31.85
Std Dev 19.54
4
2
0
−2
−4
pull1D
Entries 50
Mean −1.28
Std Dev 2.971
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

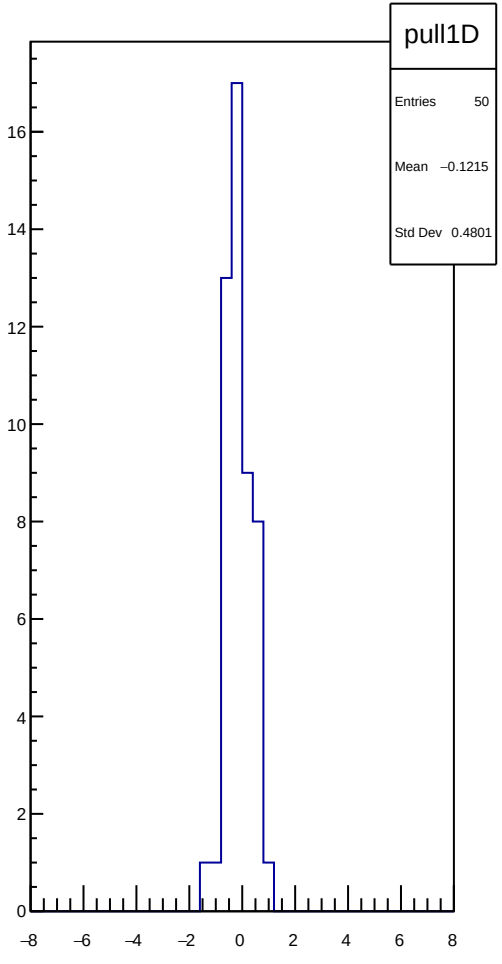

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.443 / 49
p0 19.13 ± 8.695
150
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 45.78
Std Dev 9.577
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.07016
Std Dev 0.4049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

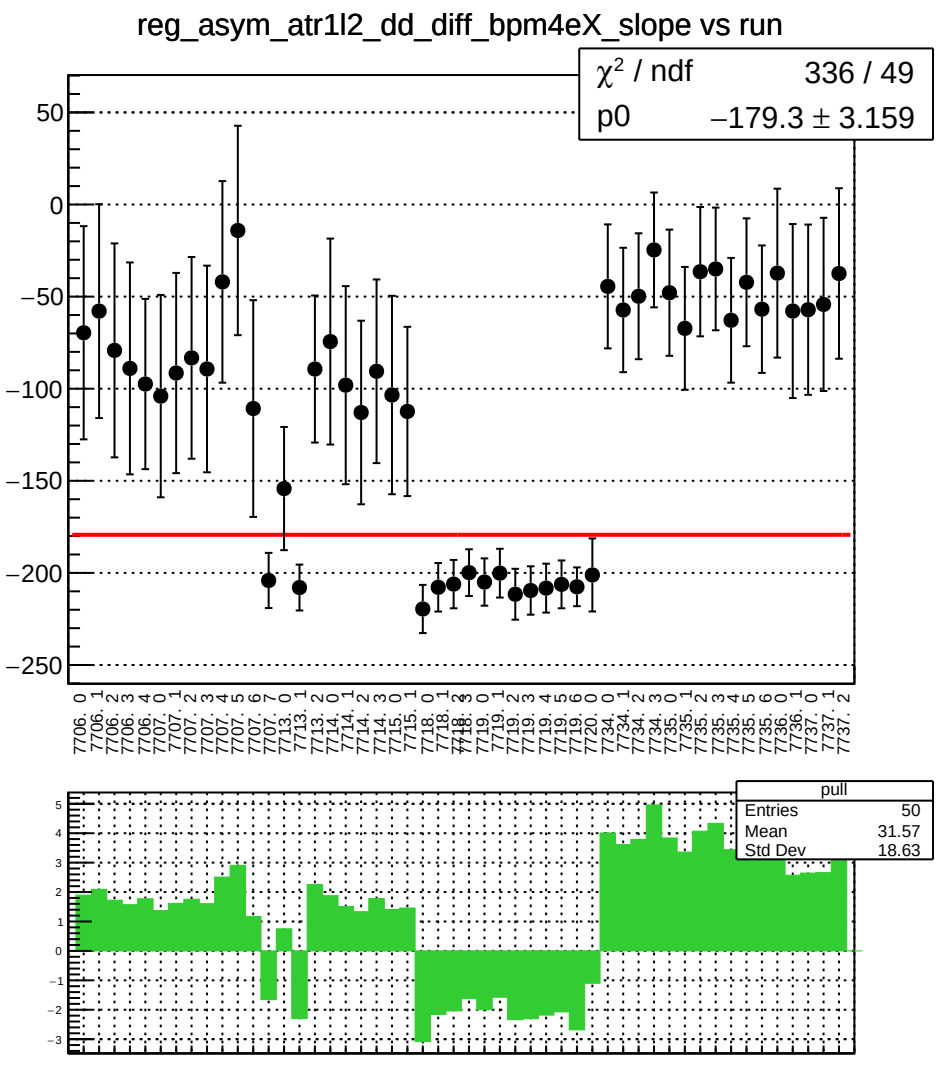

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 527.9 / 49
p0 −145.6 ± 0.3564
pull
Entries 50
Mean 20.63
Std Dev 12.44

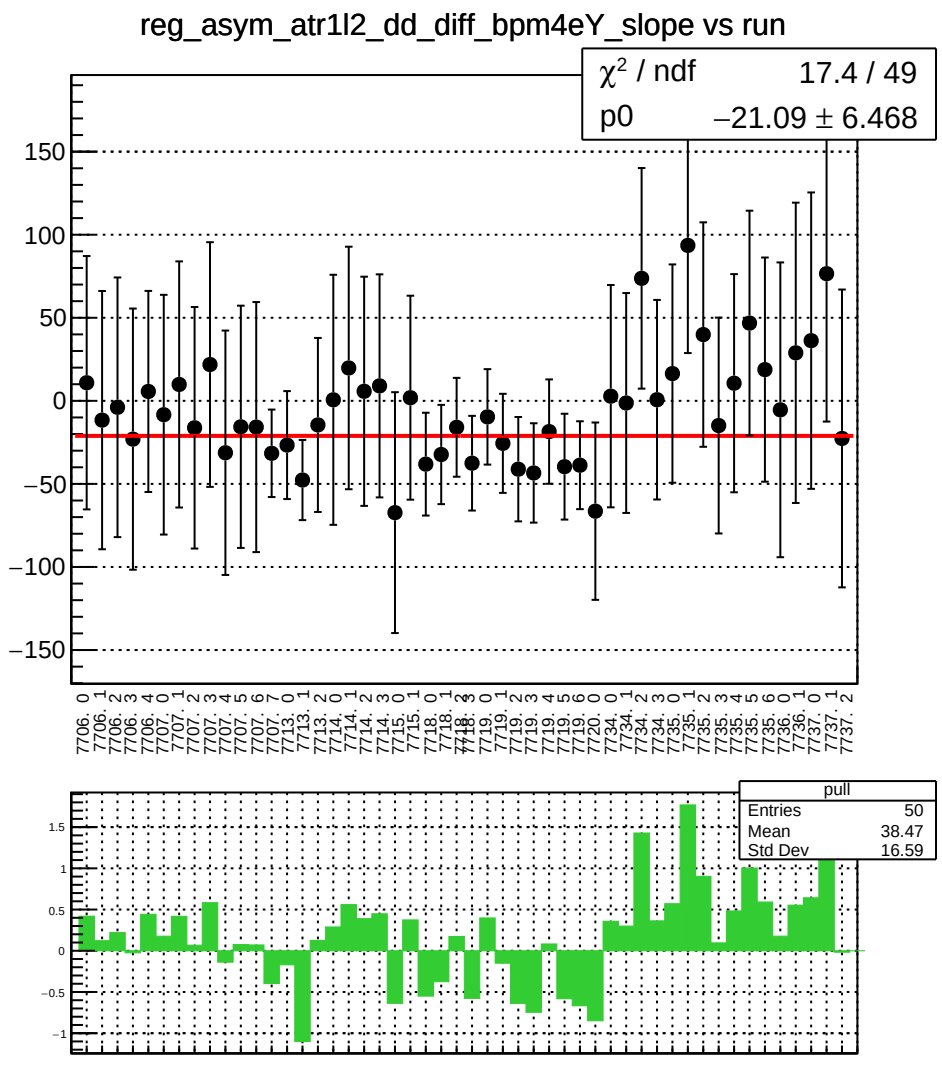

pull1D
Entries 50
Mean −0.4195
Std Dev 3.222

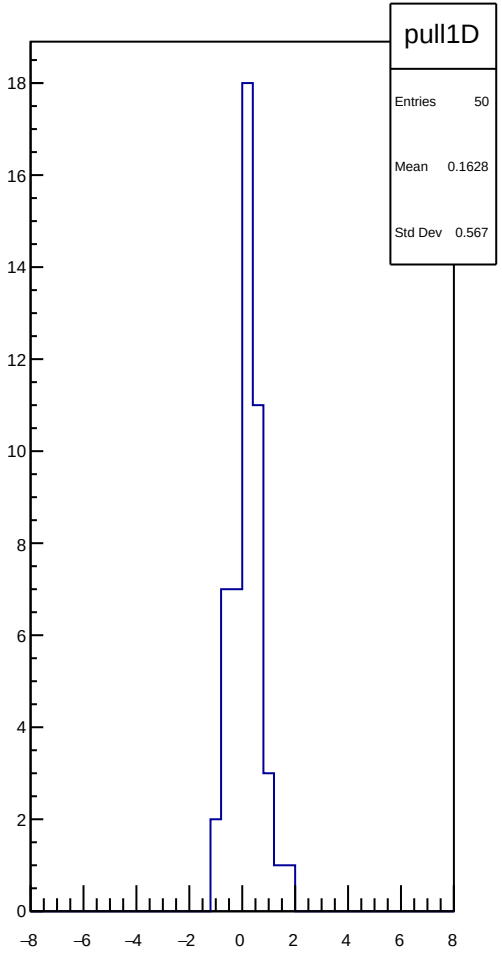

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 335.9 / 49
p0 182.9 ± 3.766
pull
Entries 50
Mean 33.79
Std Dev 19.1
pull1D
Entries 50
Mean −1.021
Std Dev 2.382

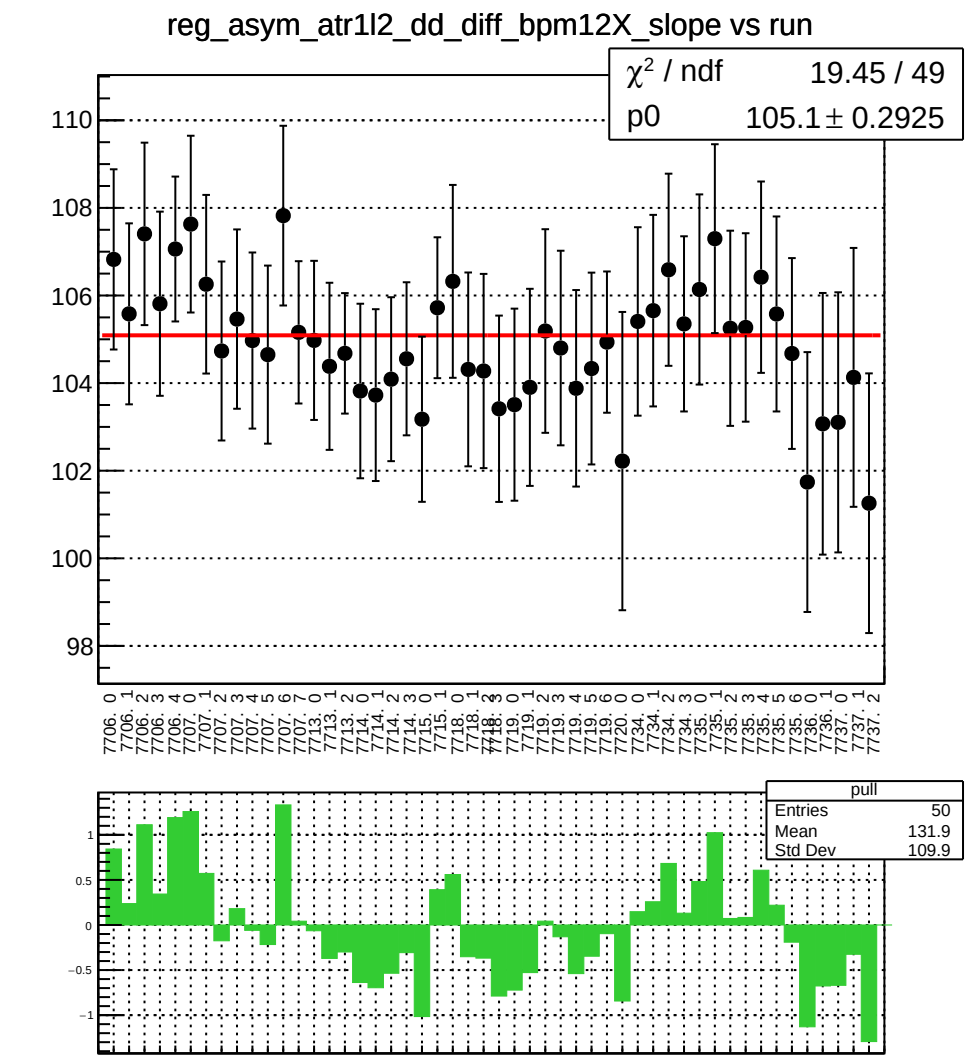

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.26 / 49
p0 −26.21 ± 4.233
pull
Entries 50
Mean 21.3
Std Dev 20.1

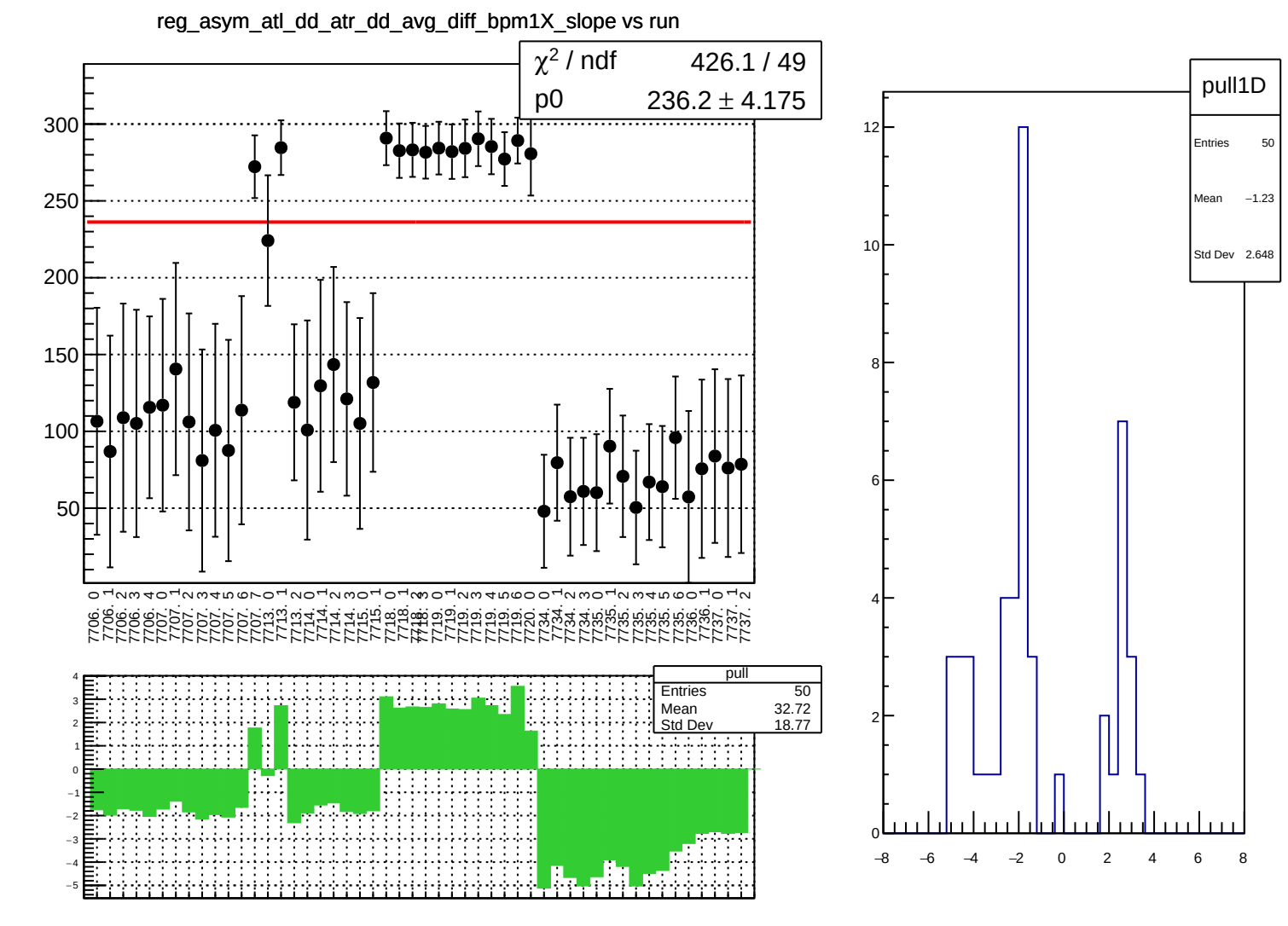

pull1D
Entries 50
Mean −0.1215
Std Dev 0.4801

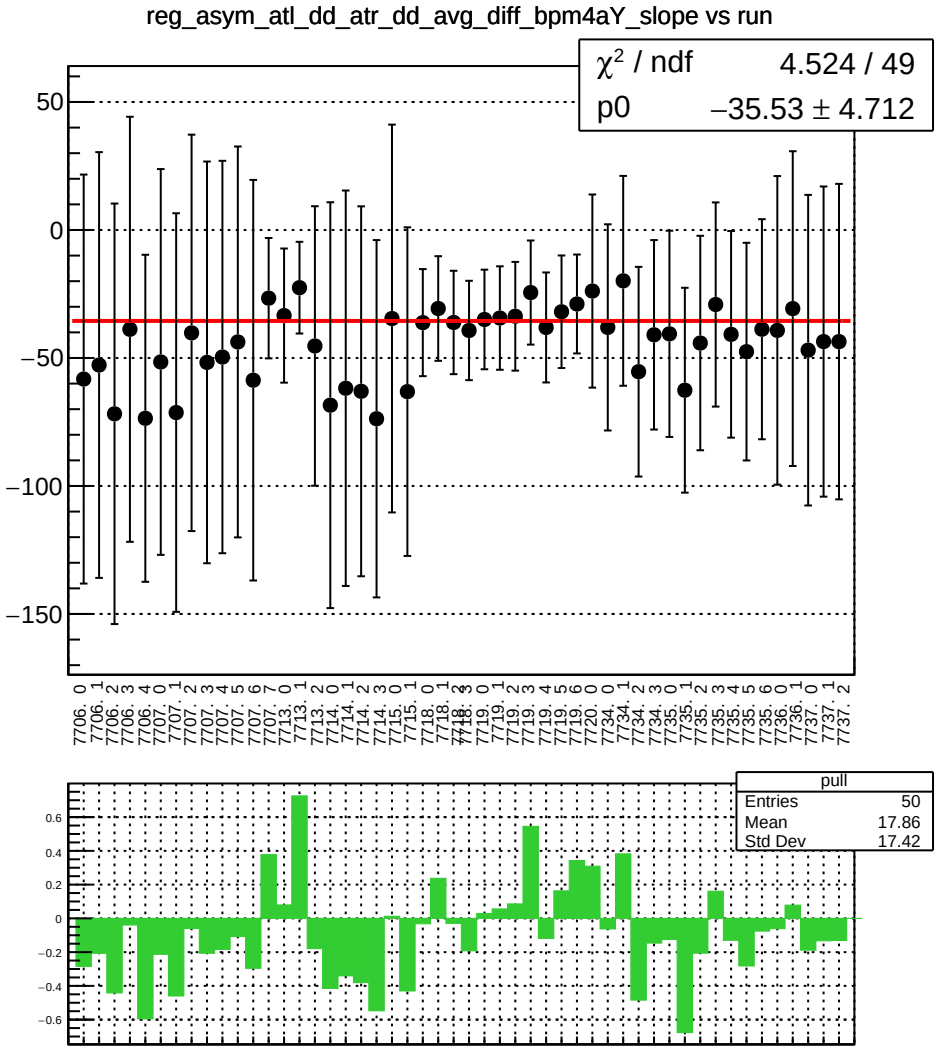

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 336 / 49
p0 −179.3 ± 3.159
50
0
−50
−100
−150
−200
−250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 31.57
Std Dev 18.63
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 1.244
Std Dev 2.275
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

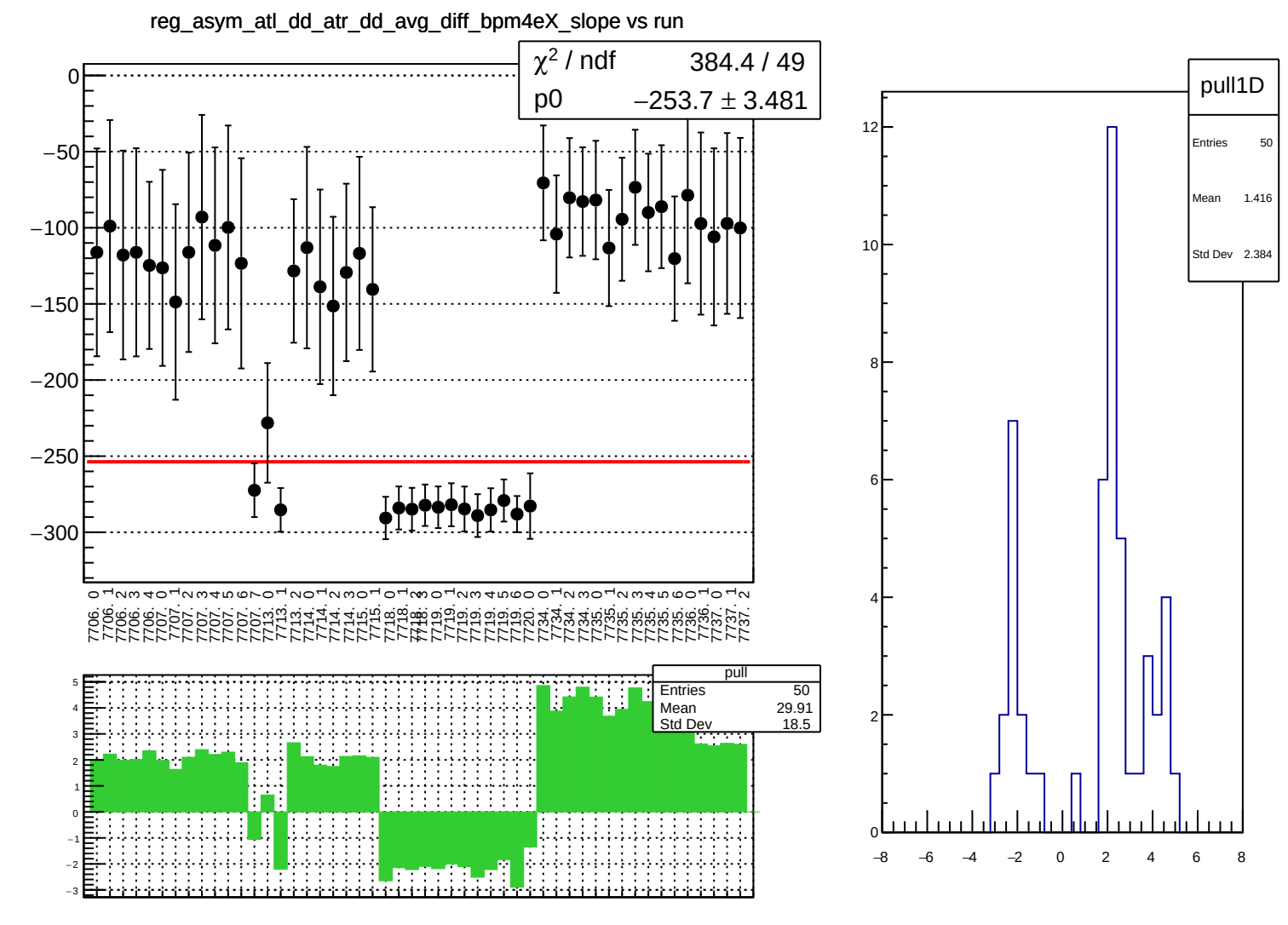

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.4 / 49
p0 −21.09 ± 6.468
150
100
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 38.47
Std Dev 16.59
1.5
1
0.5
0
−0.5
−1

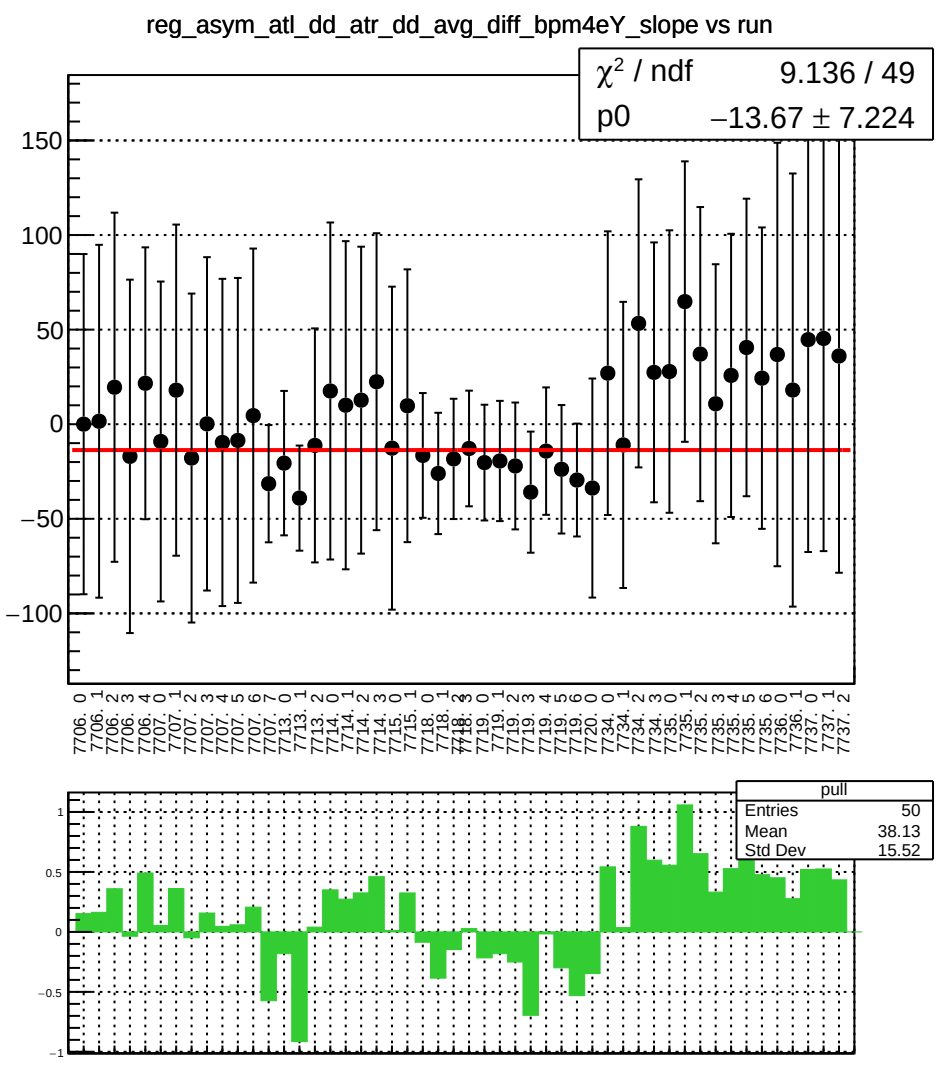

pull1D
Entries 50
Mean 0.1628
Std Dev 0.567
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

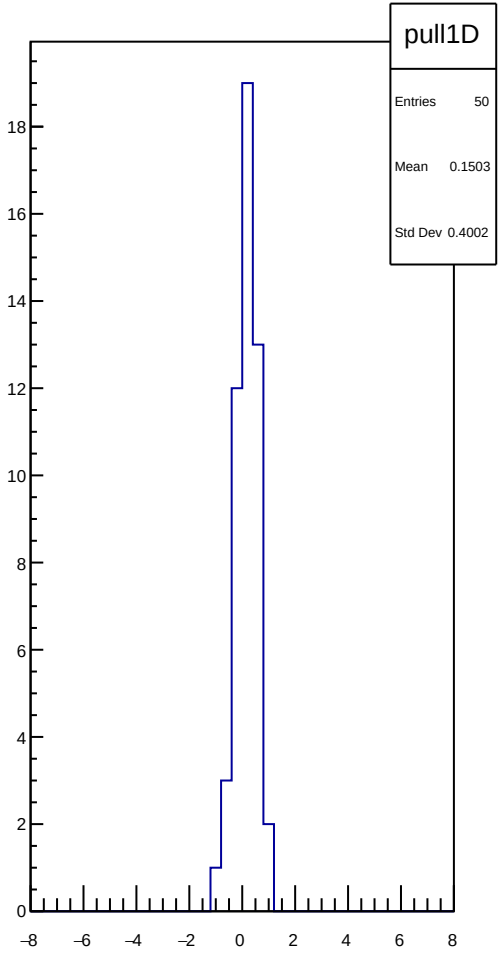

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.45 / 49
p0 105.1 ± 0.2925
110
108
106
104
102
100
98
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 131.9
Std Dev 109.9
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.03118
Std Dev 0.6228
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

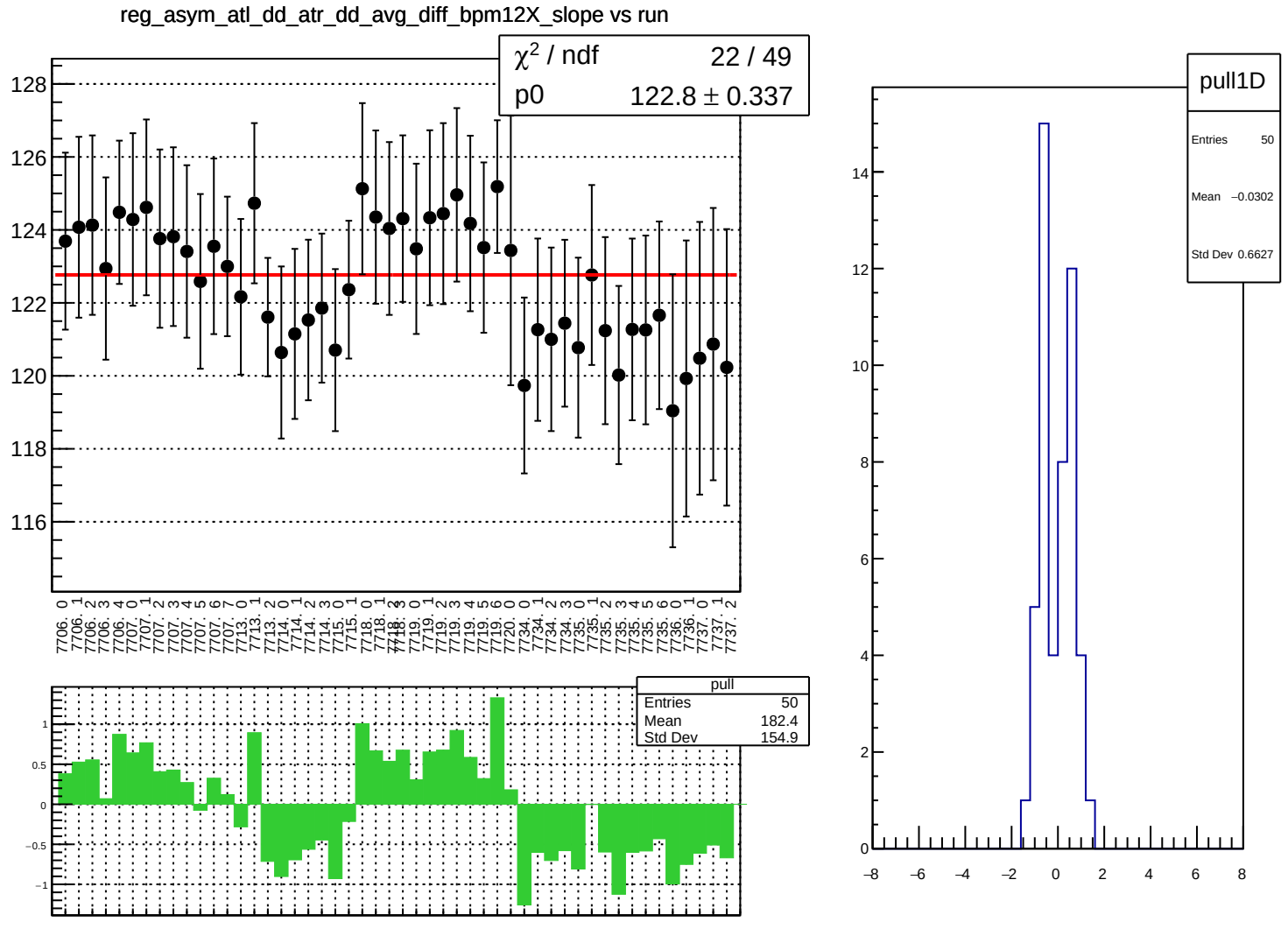

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 426.1 / 49
p0 236.2 ± 4.175
pull
Entries 50
Mean 32.72
Std Dev 18.77
pull1D
Entries 50
Mean −1.23
Std Dev 2.648

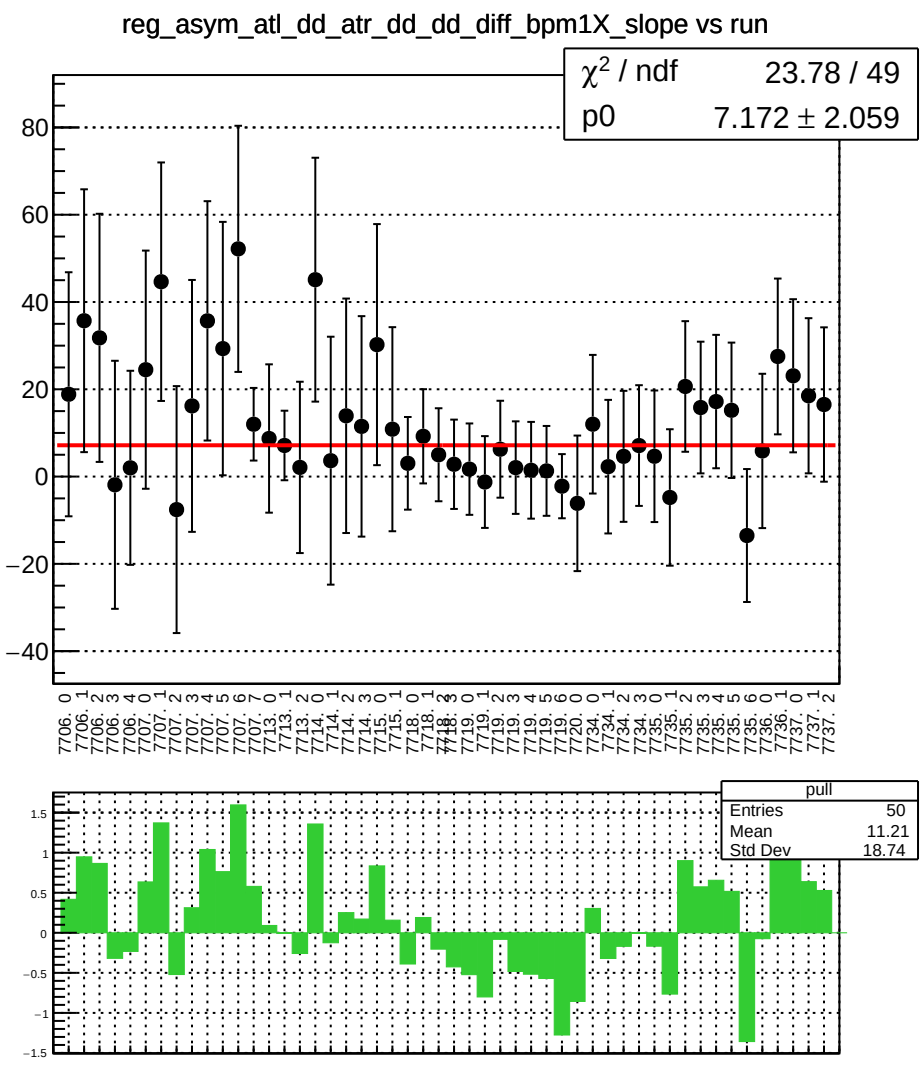

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.524 / 49
p0 −35.53 ± 4.712
50
0
−50
−100
−150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 17.86
Std Dev 17.42
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 50
Mean −0.09758
Std Dev 0.2845
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

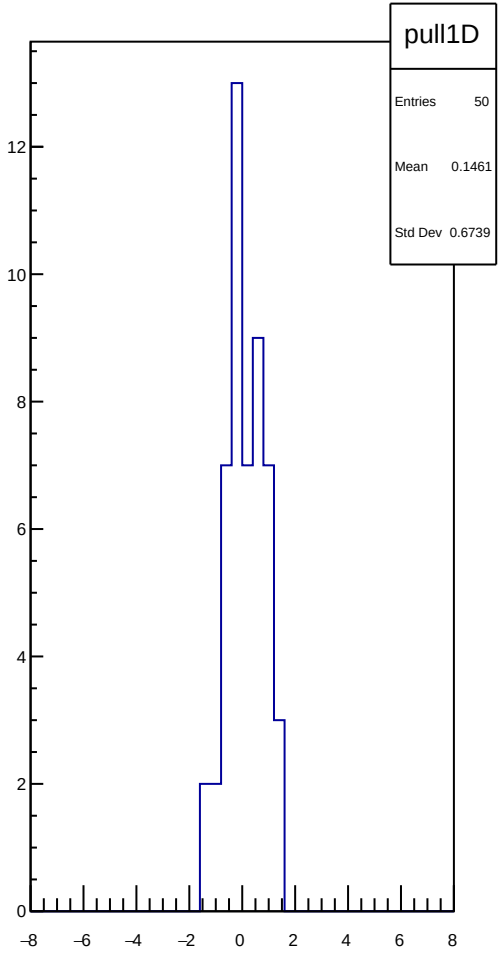

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 384.4 / 49
p0 −253.7 ± 3.481
pull
Entries 50
Mean 29.91
Std Dev 18.5
pull1D
Entries 50
Mean 1.416
Std Dev 2.384

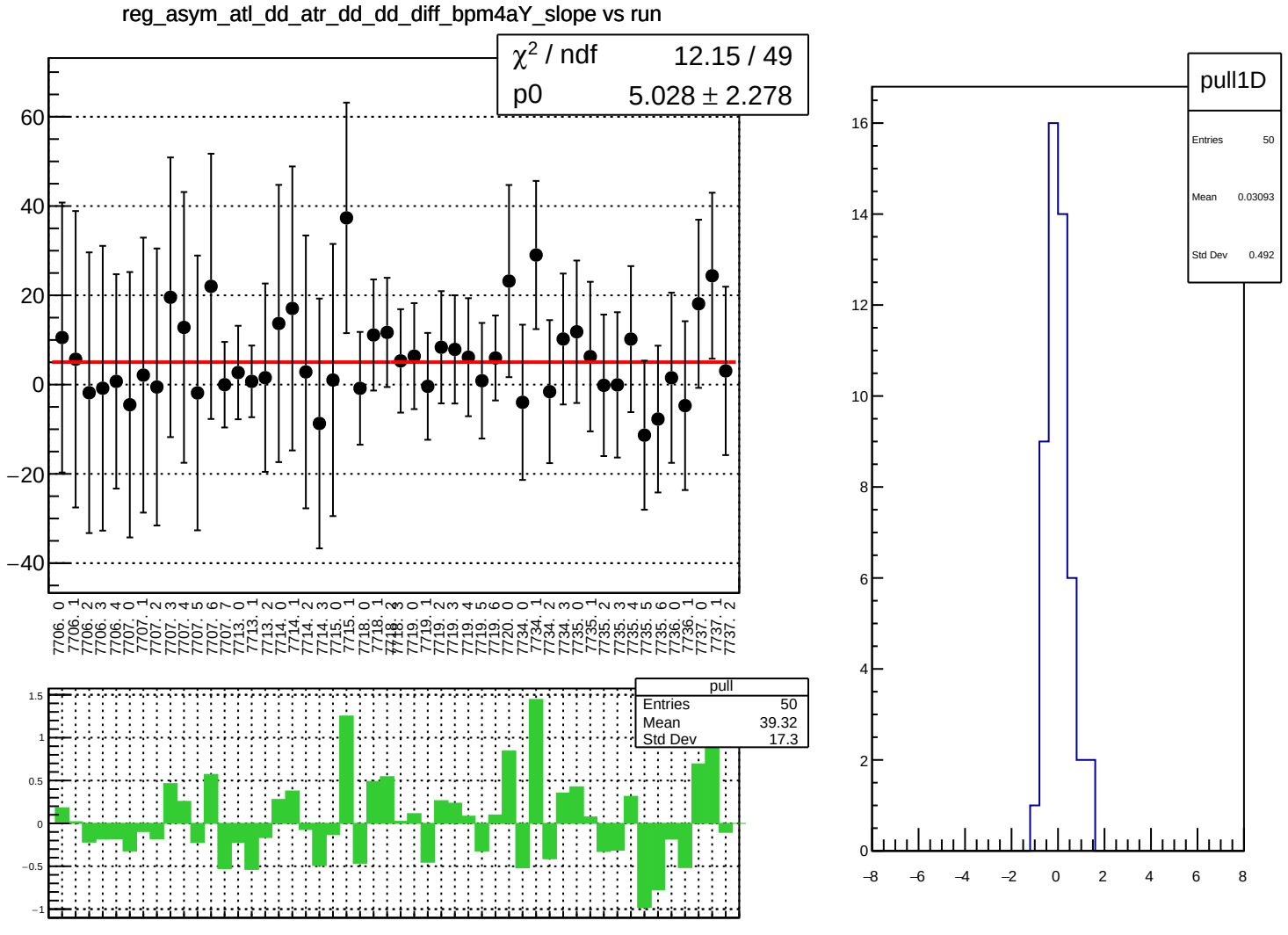

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.136 / 49
p0 −13.67 ± 7.224
150
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 38.13
Std Dev 15.52
1
0.5
0
−0.5
−1

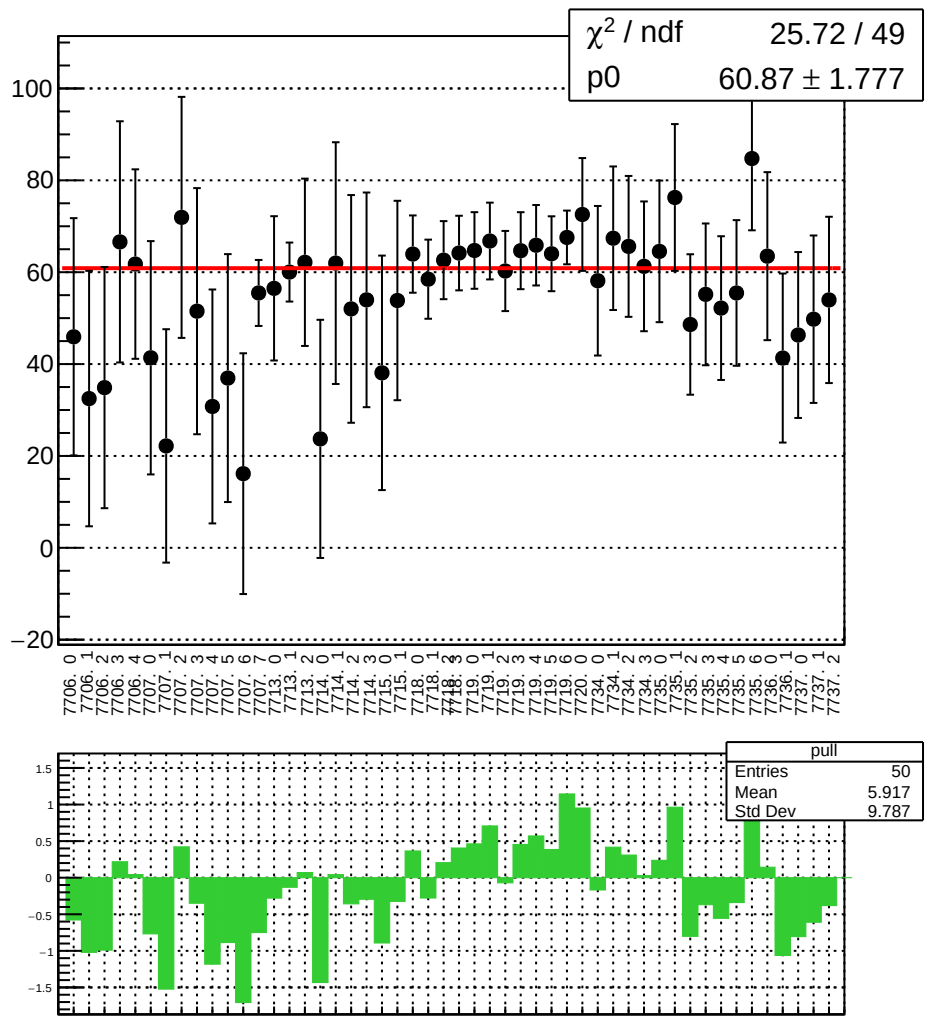

pull1D
Entries 50
Mean 0.1503
Std Dev 0.4002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

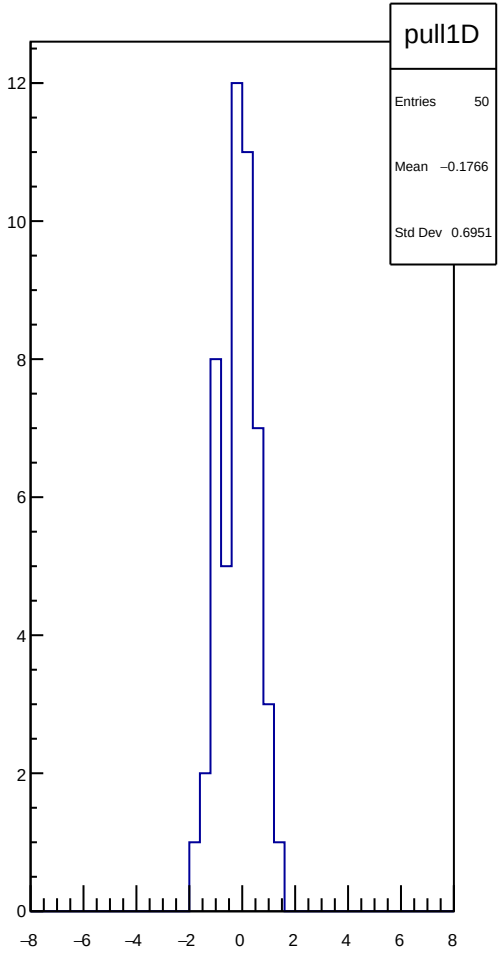

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 22 / 49
p0 122.8 ± 0.337
128
126
124
122
120
118
116
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 182.4
Std Dev 154.9
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.0302
Std Dev 0.6627
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

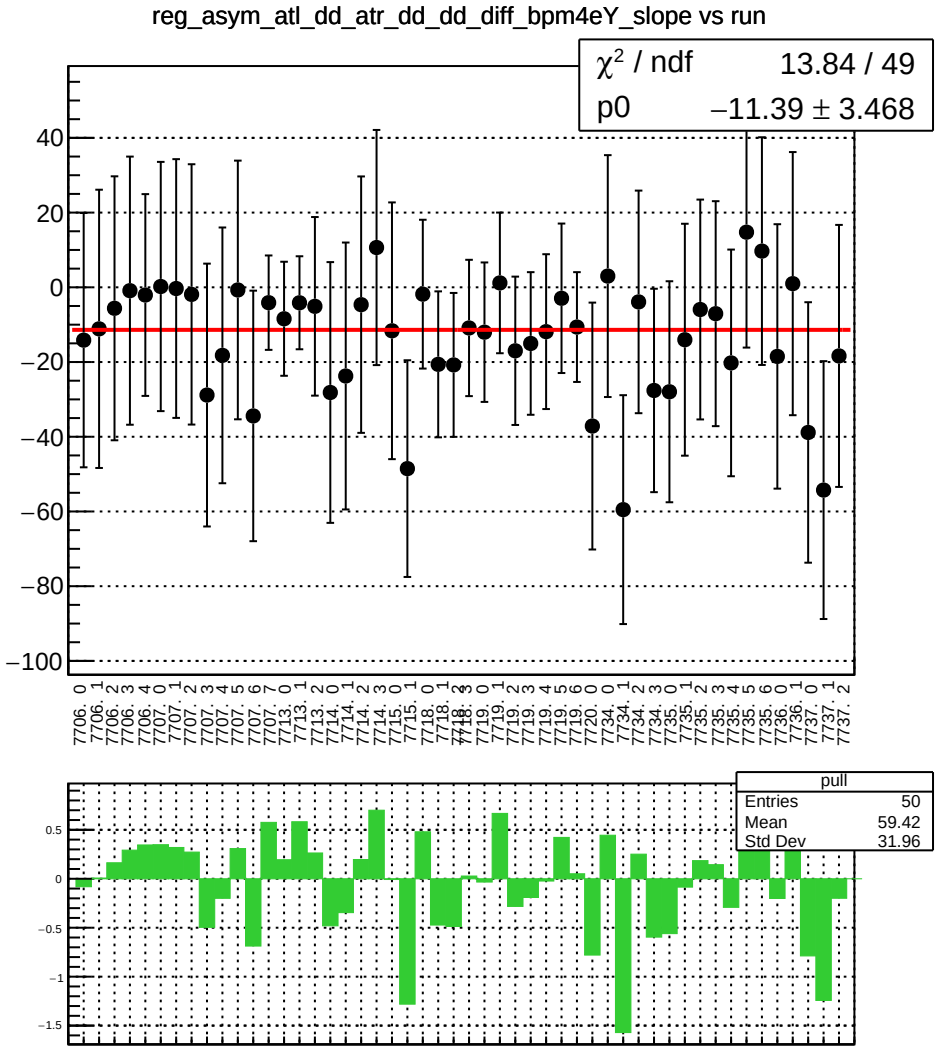

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 23.78 / 49
p0 7.172 ± 2.059
pull
Entries 50
Mean 11.21
Std Dev 18.74

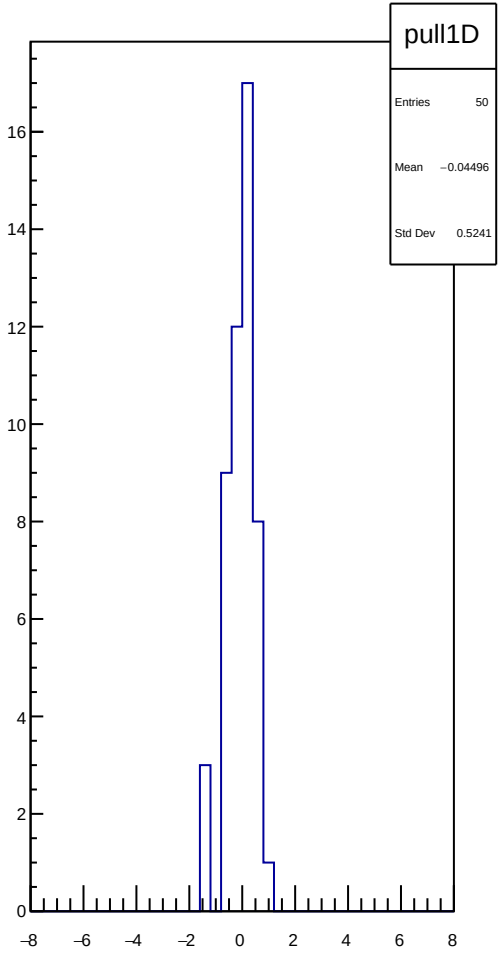

pull1D
Entries 50
Mean 0.1461
Std Dev 0.6739

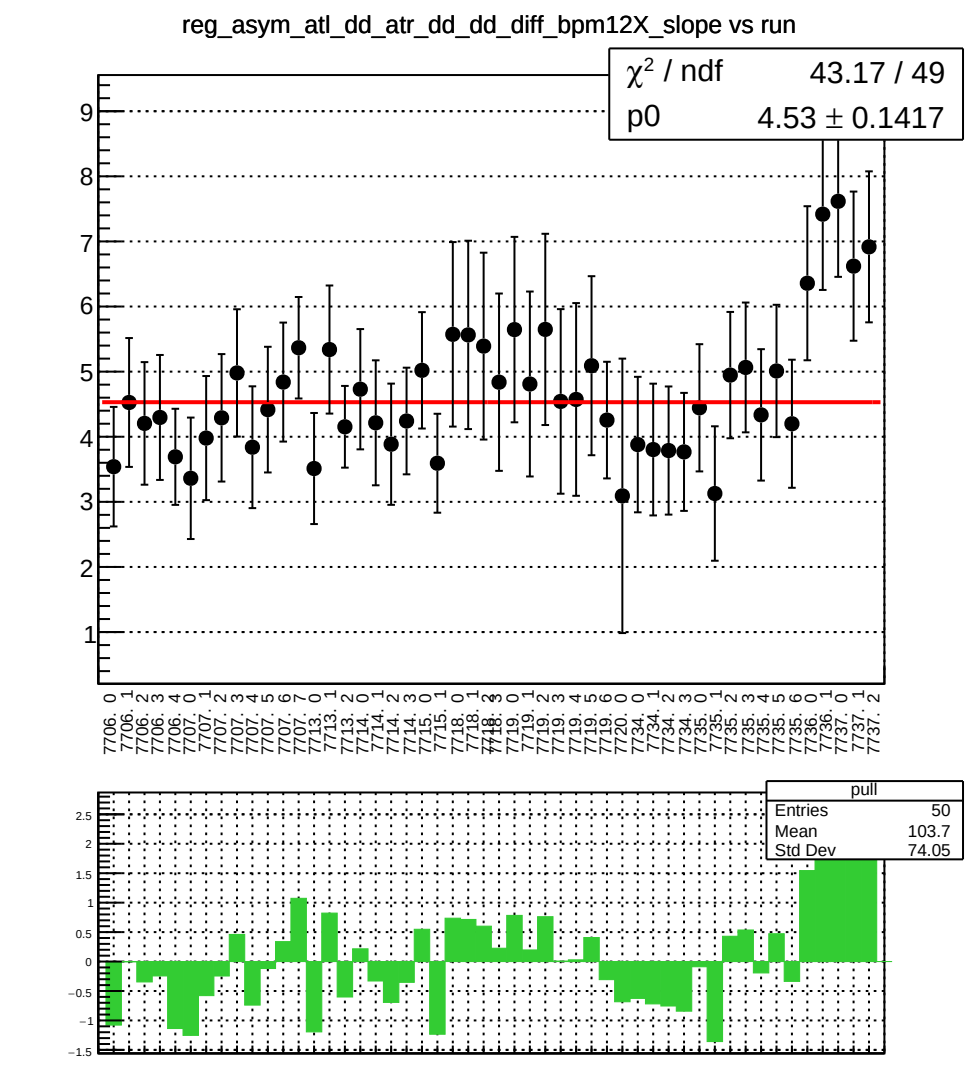

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.15 / 49
p0 5.028 ± 2.278
pull
Entries 50
Mean 39.32
Std Dev 17.3
pull1D
Entries 50
Mean 0.03093
Std Dev 0.492

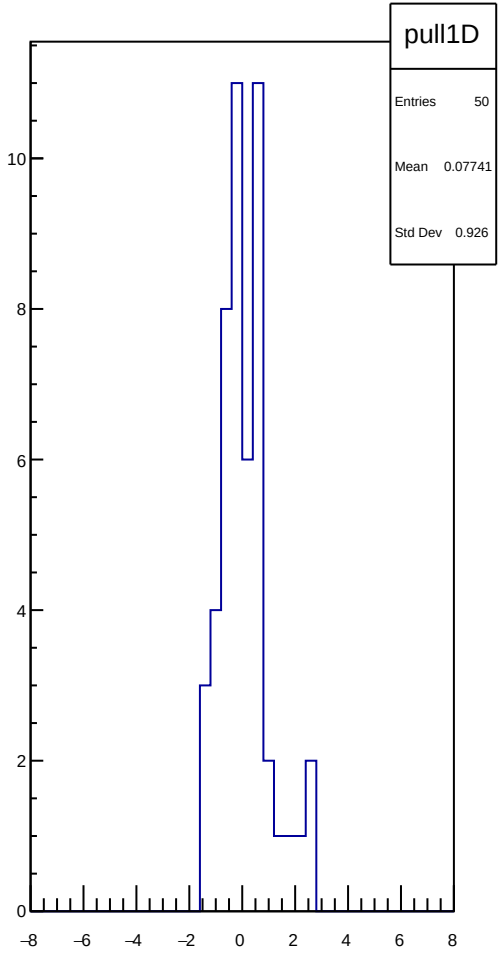

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.72 / 49
p0 60.87 ± 1.777
pull
Entries 50
Mean 5.917
Std Dev 9.787

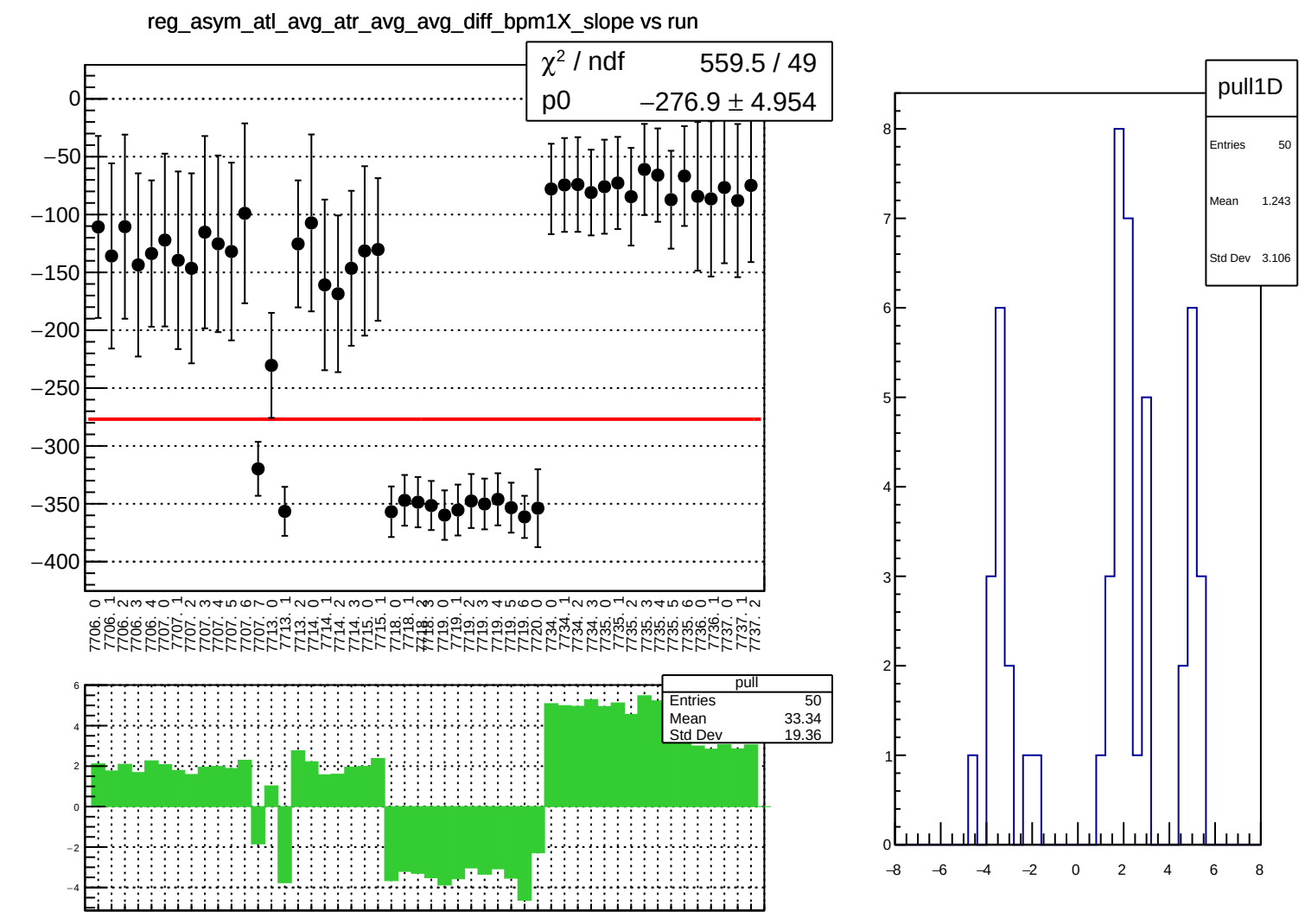

pull1D
Entries 50
Mean −0.1766
Std Dev 0.6951

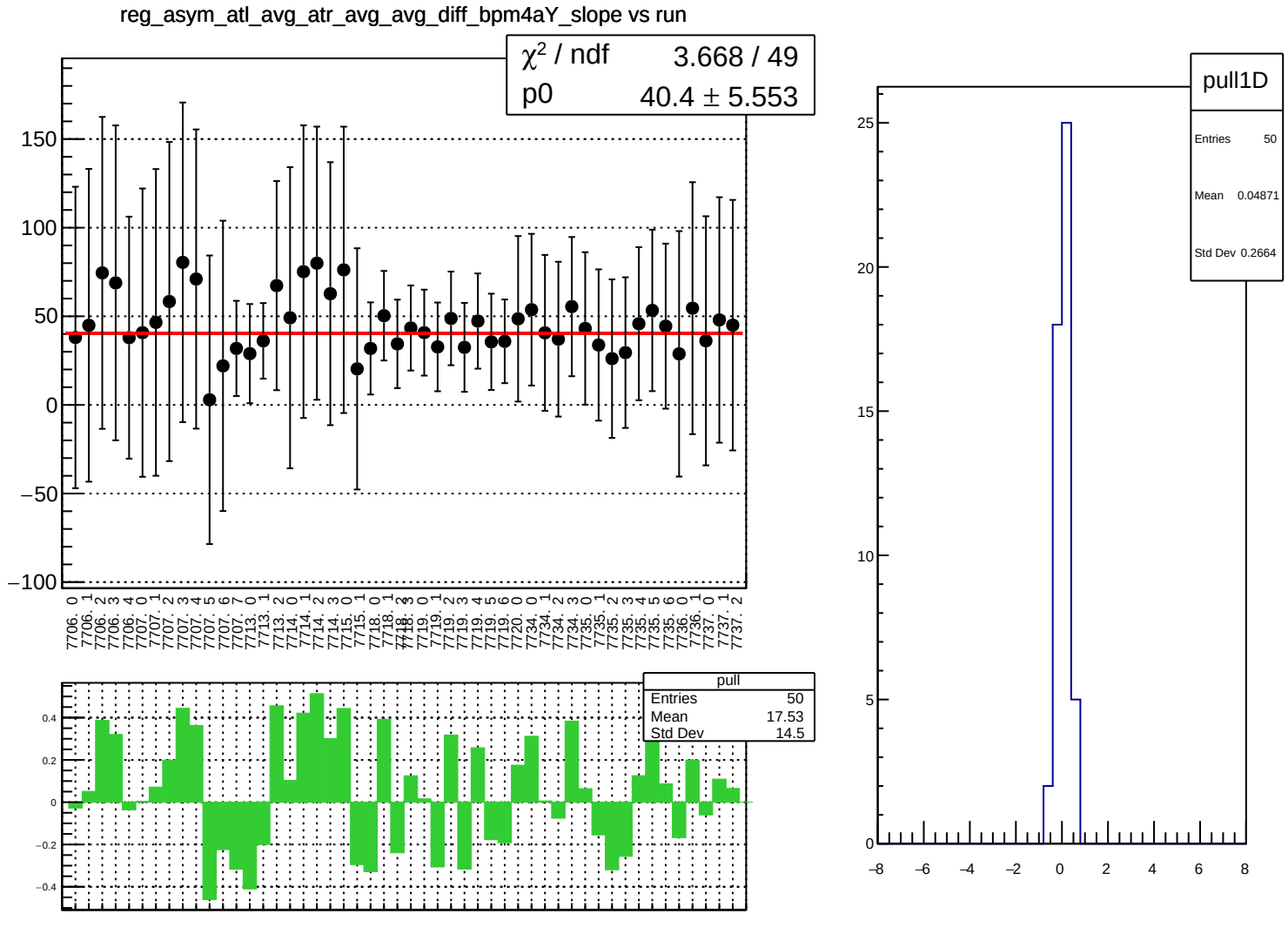

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.84 / 49
p0 −11.39 ± 3.468
pull
Entries 50
Mean 59.42
Std Dev 31.96

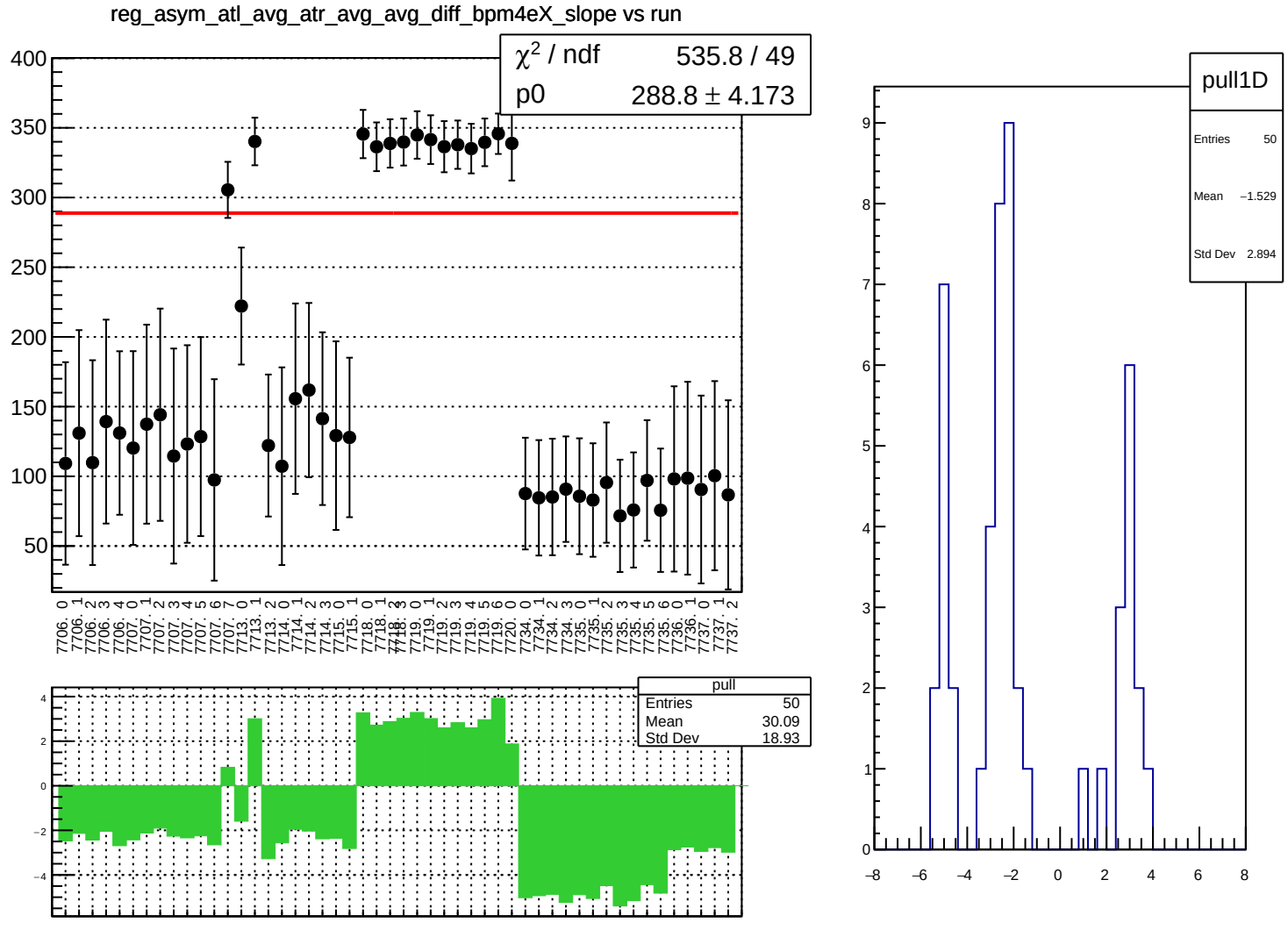

pull1D
Entries 50
Mean −0.04496
Std Dev 0.5241

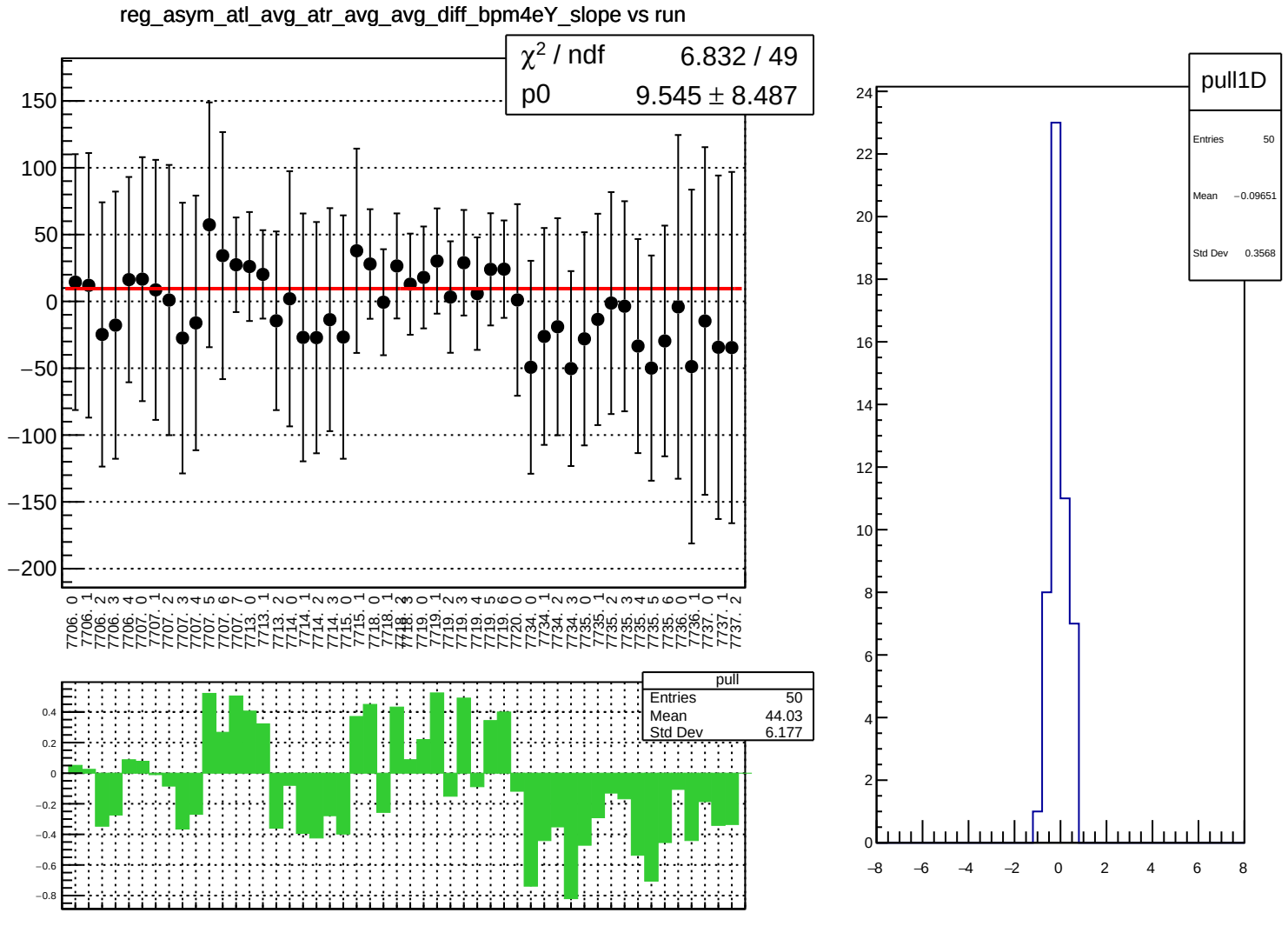

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 43.17 / 49
p0 4.53 ± 0.1417
pull
Entries 50
Mean 103.7
Std Dev 74.05

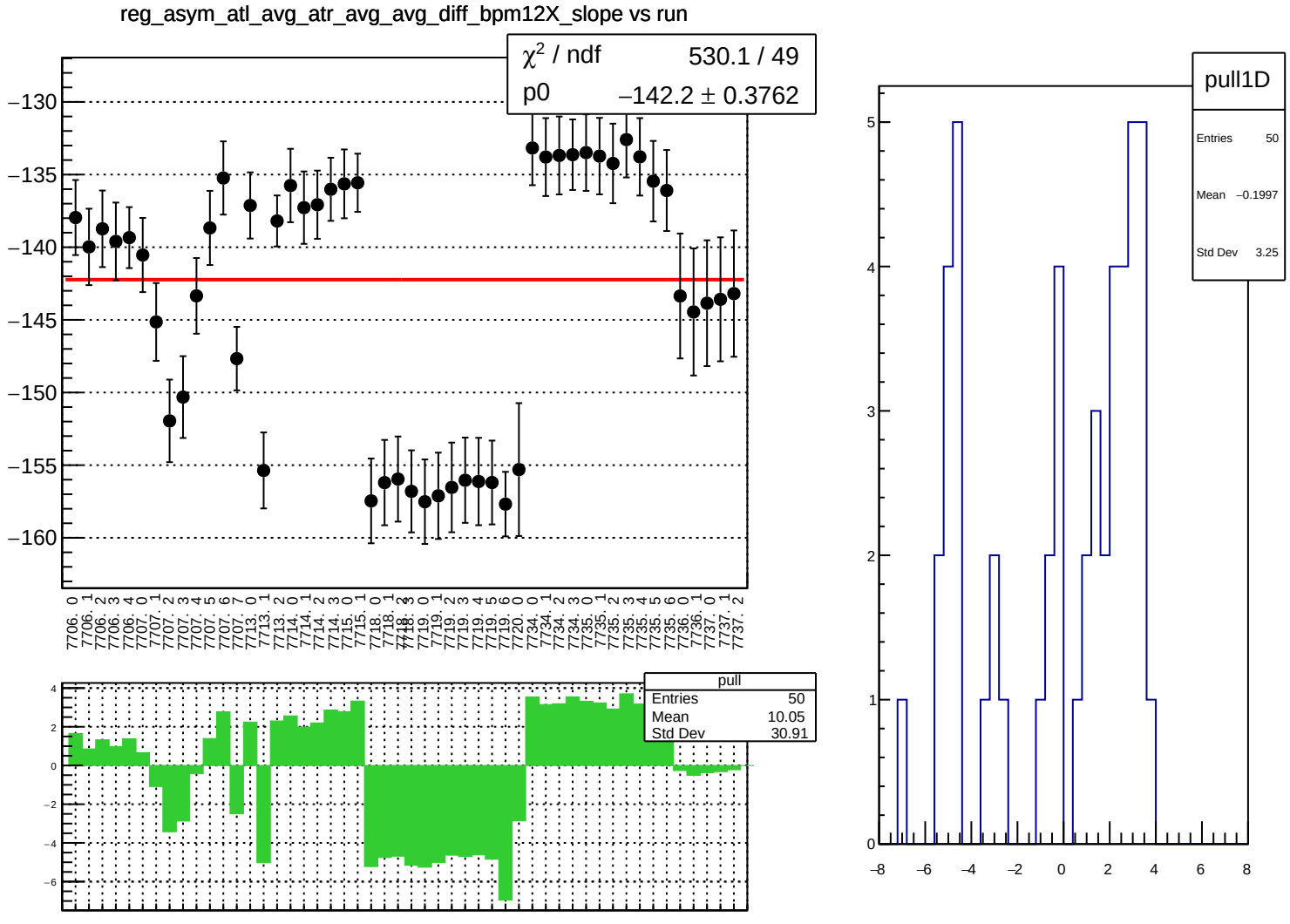

pull1D
Entries 50
Mean 0.07741
Std Dev 0.926

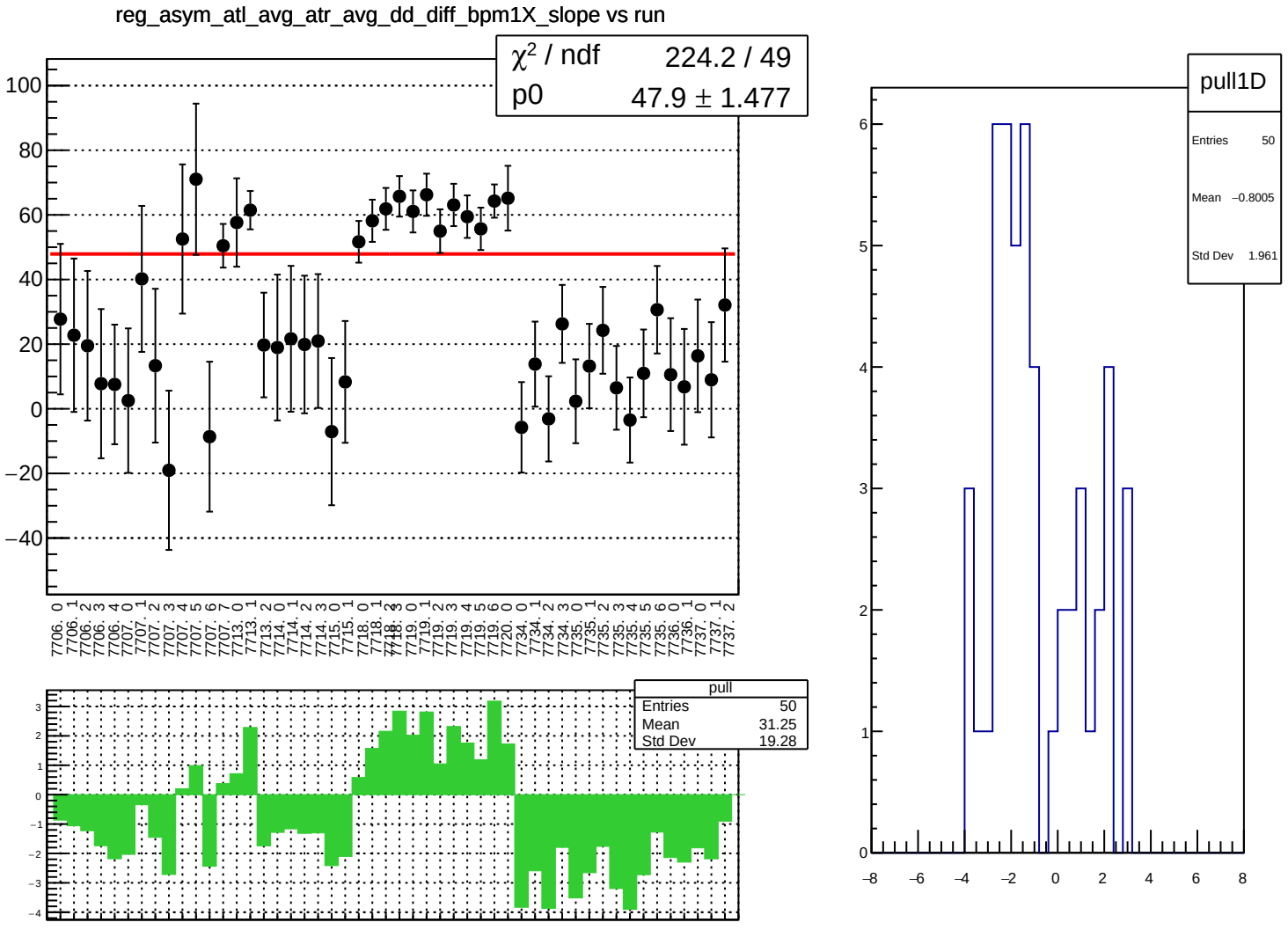

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 559.5 / 49
p0 −276.9 ± 4.954
pull
Entries 50
Mean 33.34
Std Dev 19.36
pull1D
Entries 50
Mean 1.243
Std Dev 3.106

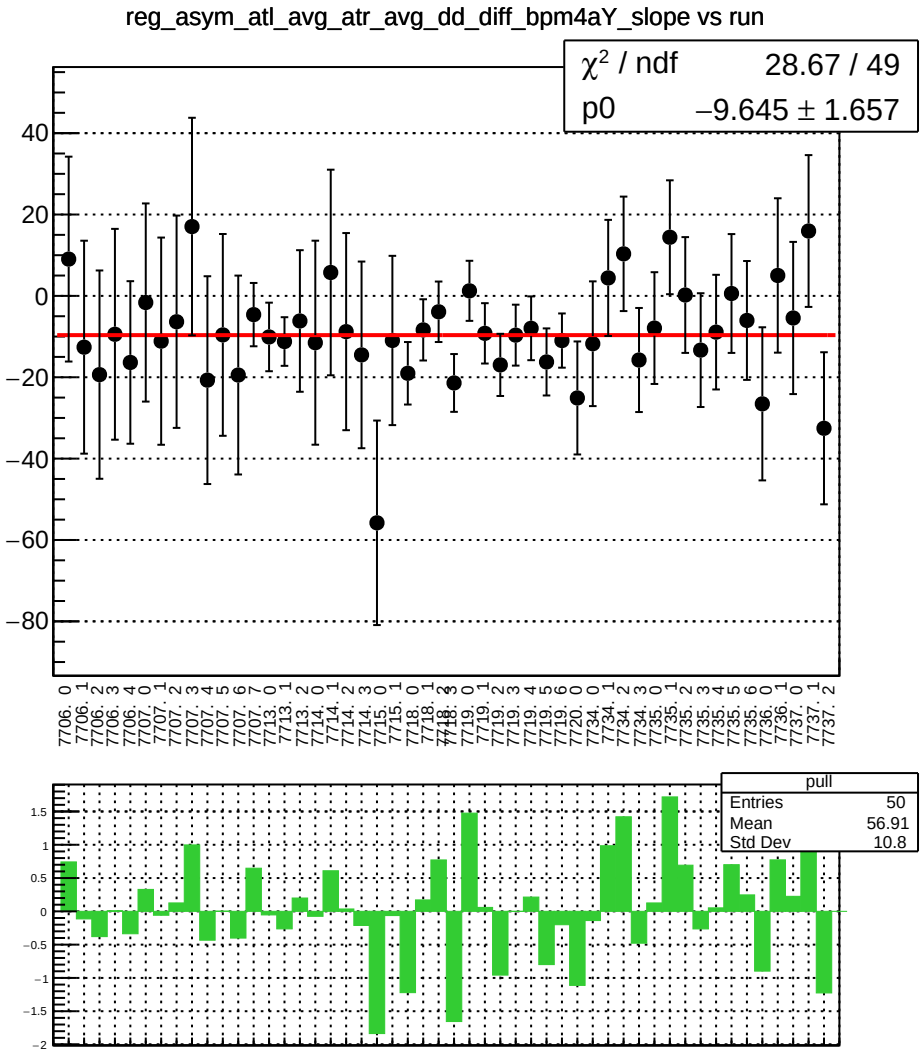

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.668 / 49
p0 40.4 ± 5.553
150
100
50
0
−50
−100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 17.53
Std Dev 14.5
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 50
Mean 0.04871
Std Dev 0.2664
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

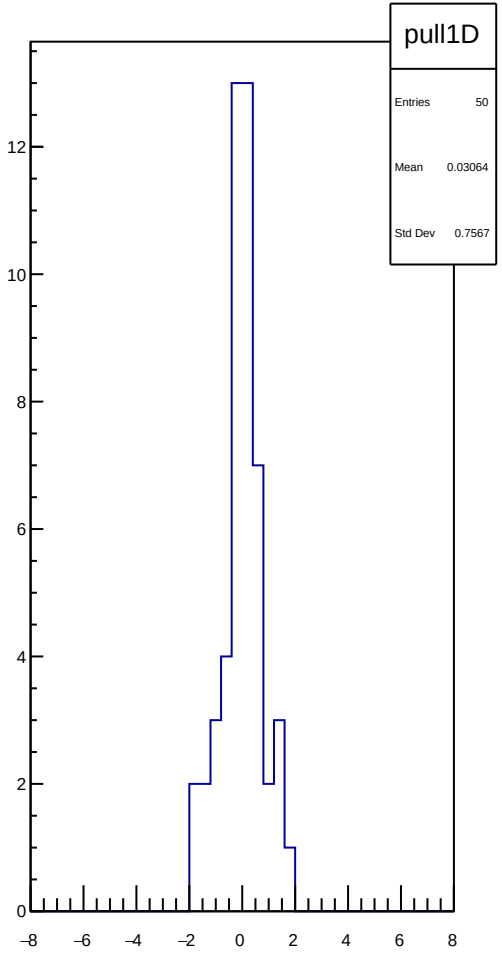

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 535.8 / 49
p0 288.8 ± 4.173
pull
Entries 50
Mean 30.09
Std Dev 18.93
pull1D
Entries 50
Mean −1.529
Std Dev 2.894

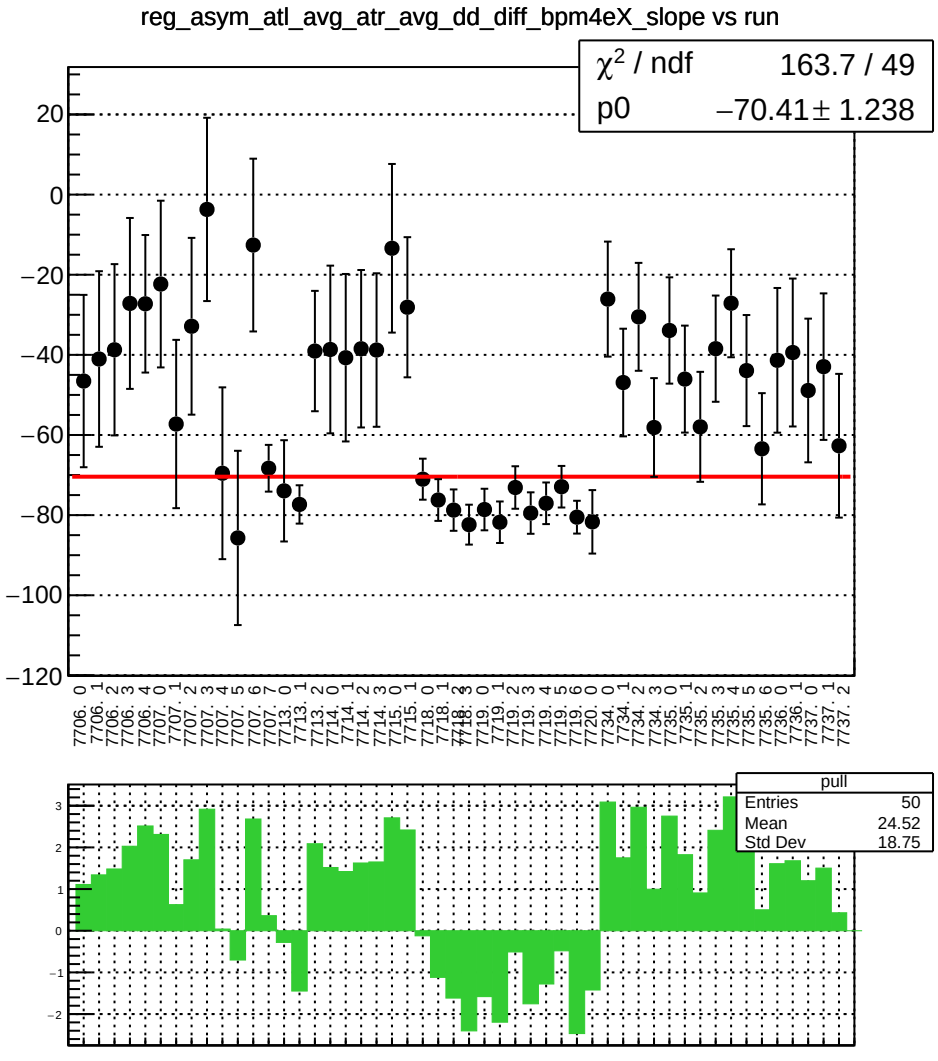

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.832 / 49
p0 9.545 ± 8.487
150
100
50
0
−50
−100
−150
−200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 44.03
Std Dev 6.177
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean −0.09651
Std Dev 0.3568
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

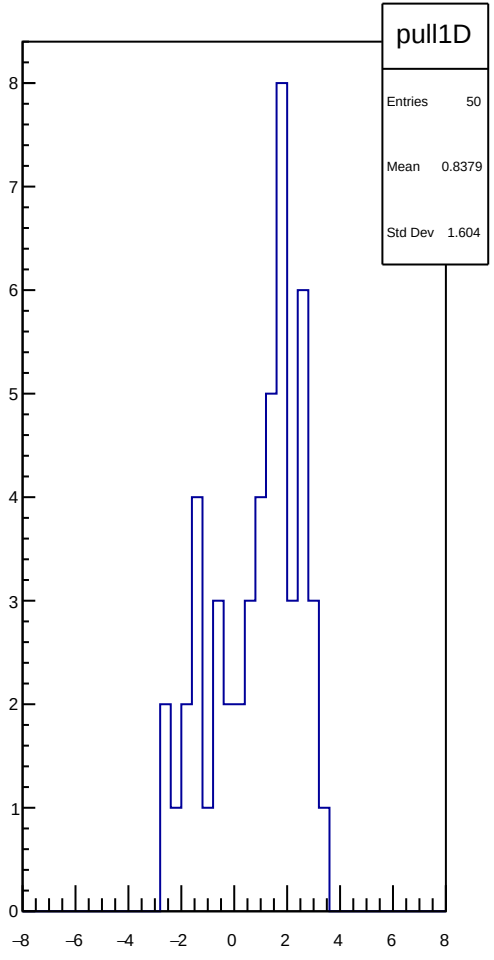

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 530.1 / 49
p0 −142.2 ± 0.3762
−130
−135
−140
−145
−150
−155
−160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 10.05
Std Dev 30.91
4
2
0
−2
−4
−6
pull1D
Entries 50
Mean −0.1997
Std Dev 3.25
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

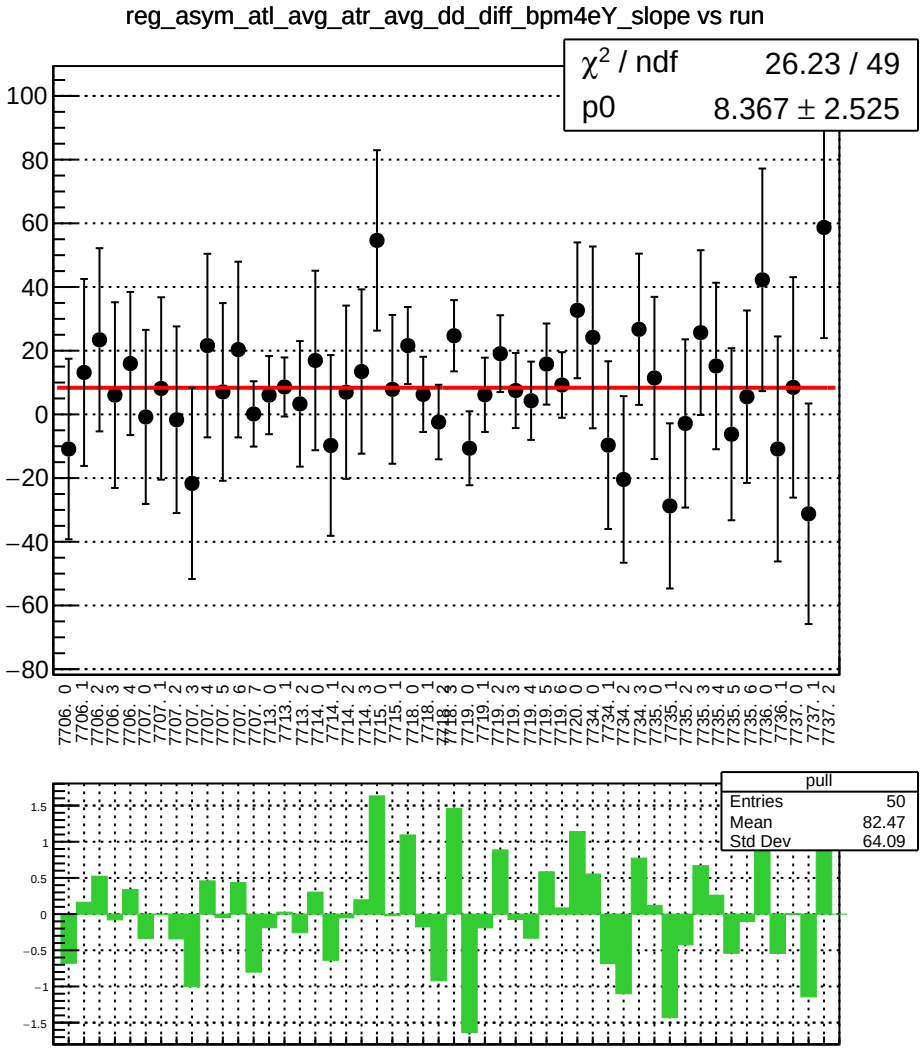

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 224.2 / 49
p0 47.9 ± 1.477
pull
Entries 50
Mean 31.25
Std Dev 19.28
pull1D
Entries 50
Mean −0.8005
Std Dev 1.961

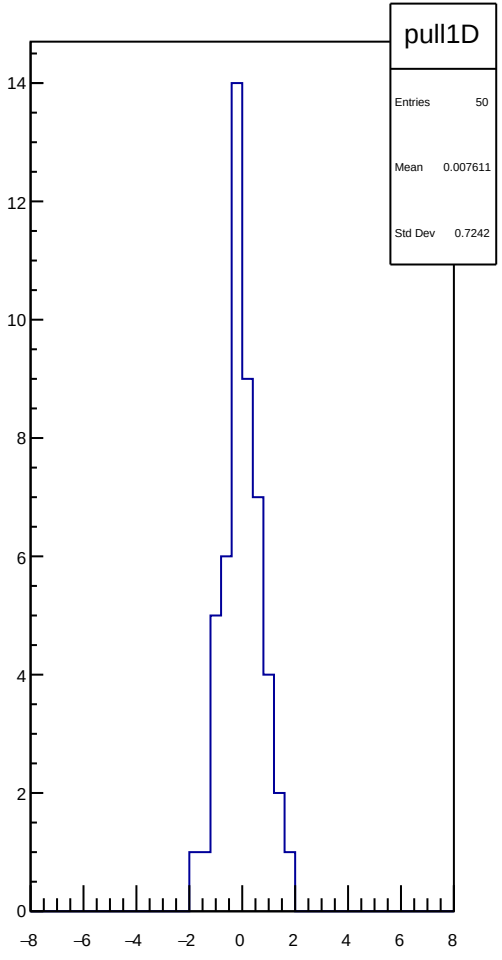

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.67 / 49
p0 −9.645 ± 1.657
pull
Entries 50
Mean 56.91
Std Dev 10.8

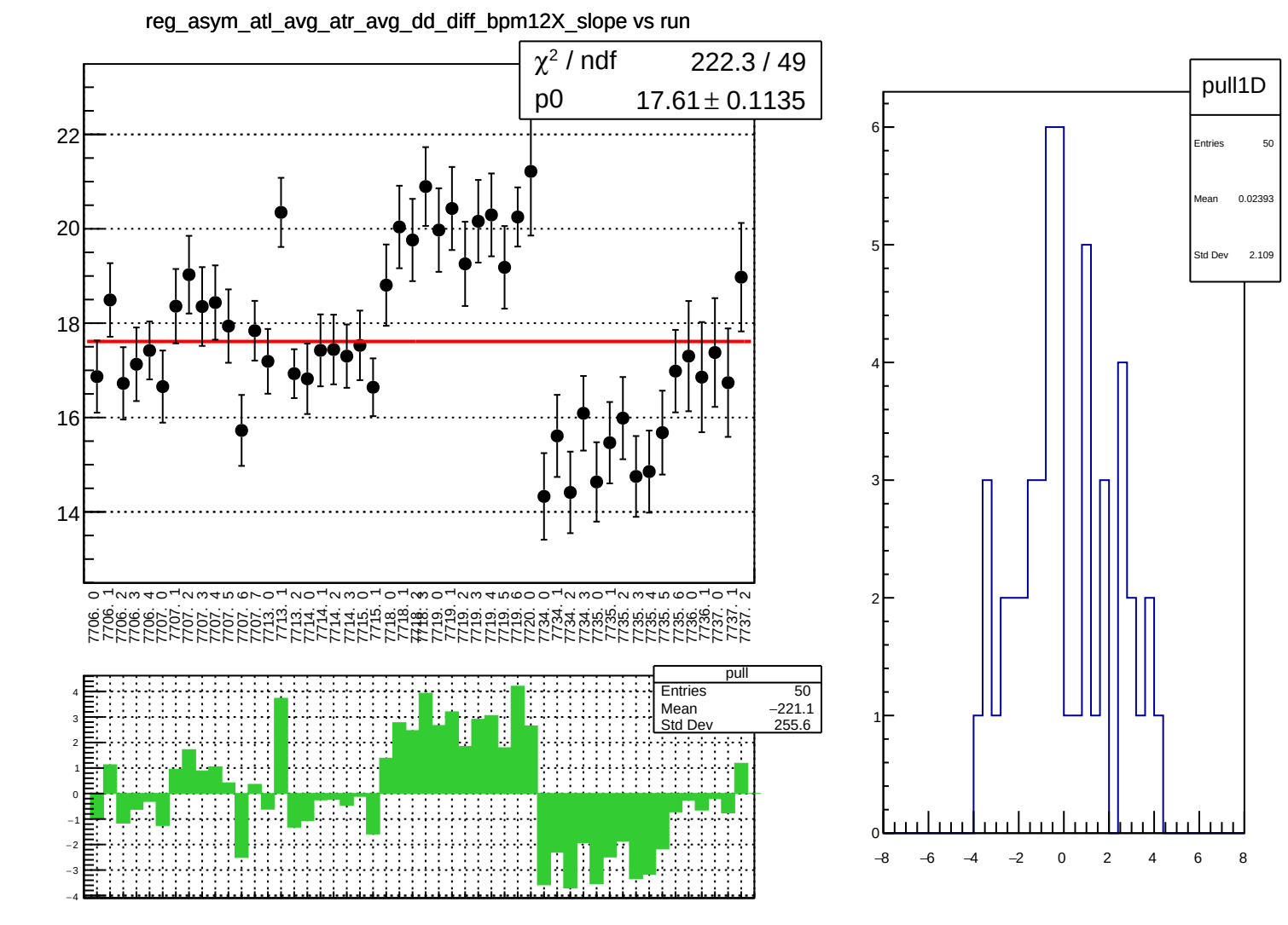

pull1D
Entries 50
Mean 0.03064
Std Dev 0.7567

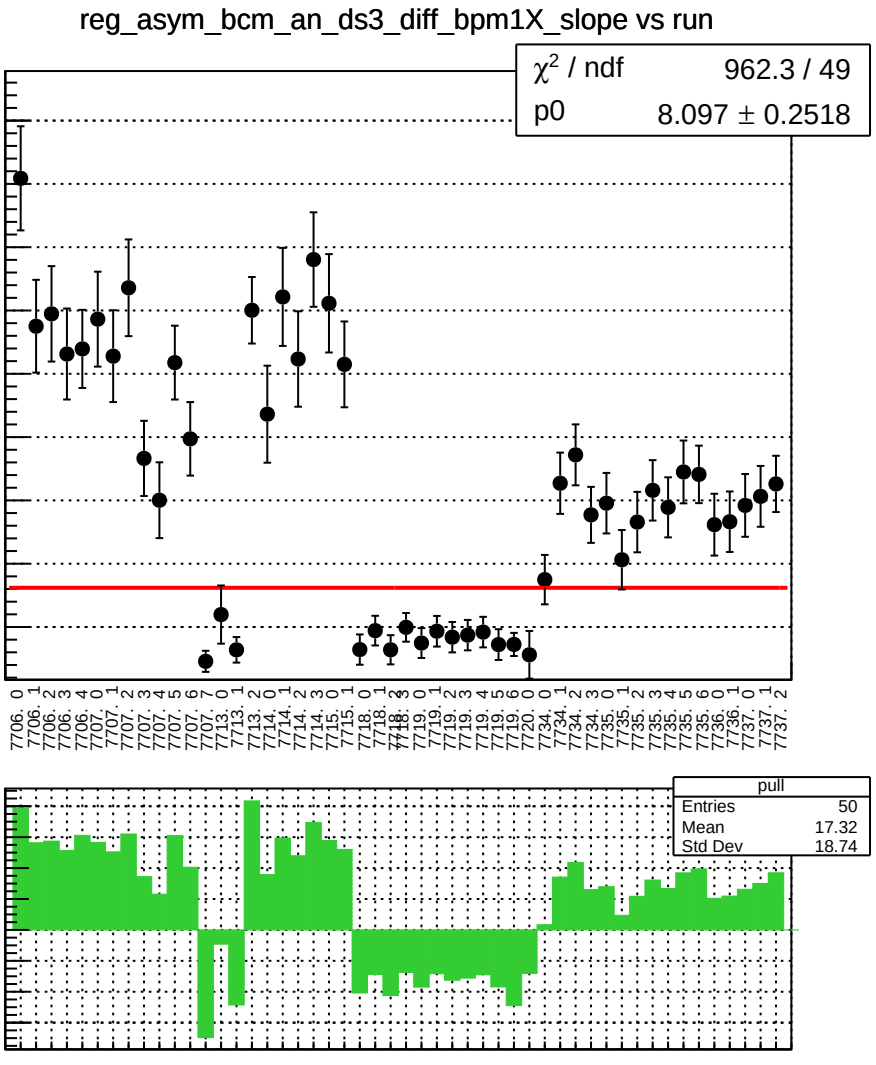

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 163.7 / 49
p0 −70.41 ± 1.238
pull
Entries 50
Mean 24.52
Std Dev 18.75

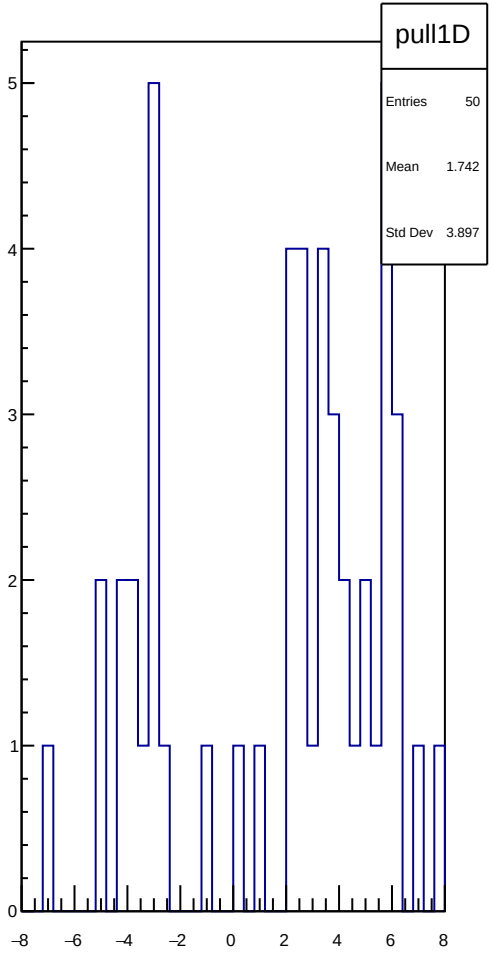

pull1D
Entries 50
Mean 0.8379
Std Dev 1.604

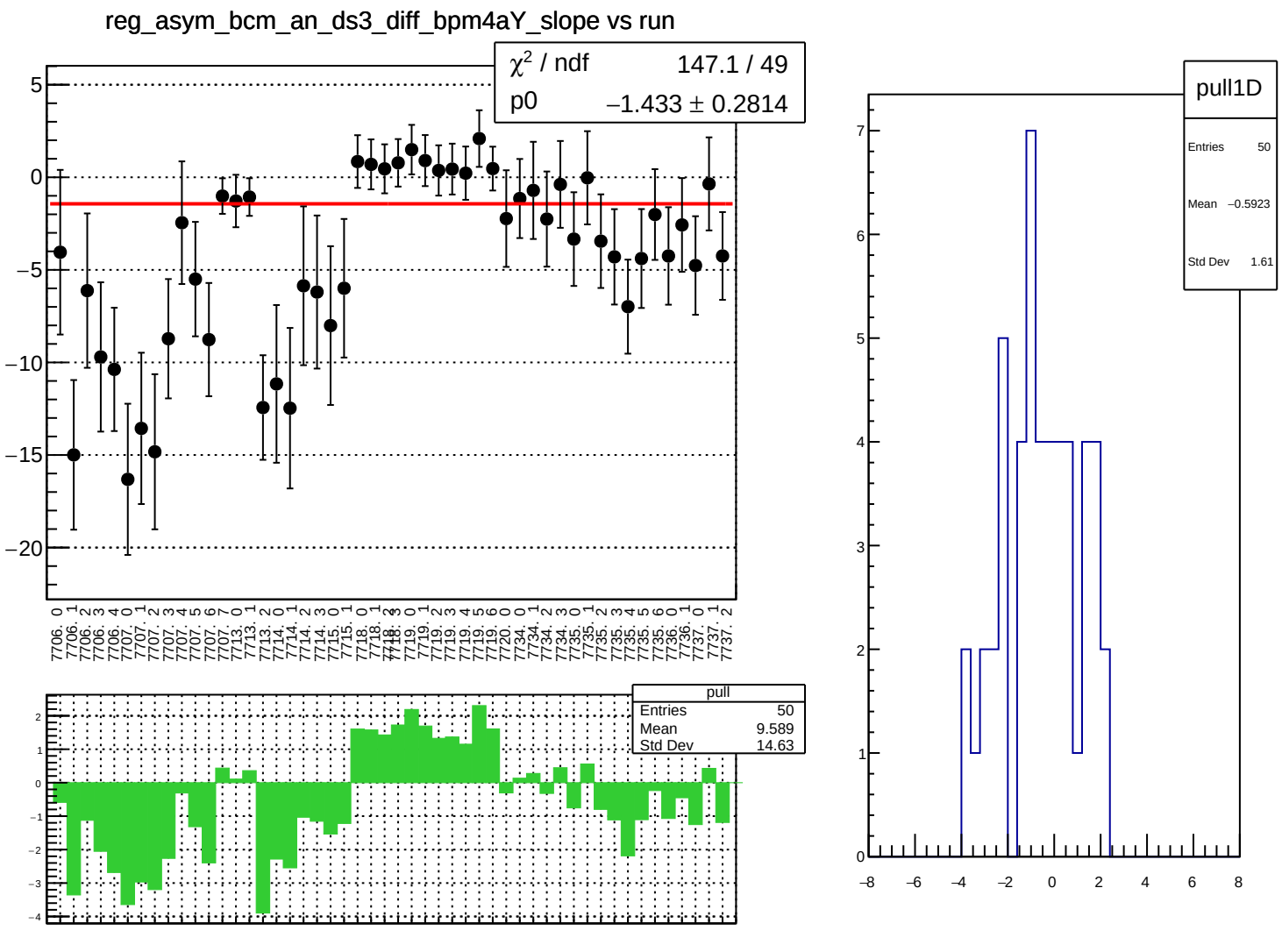

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.23 / 49
p0 8.367 ± 2.525
pull
Entries 50
Mean 82.47
Std Dev 64.09

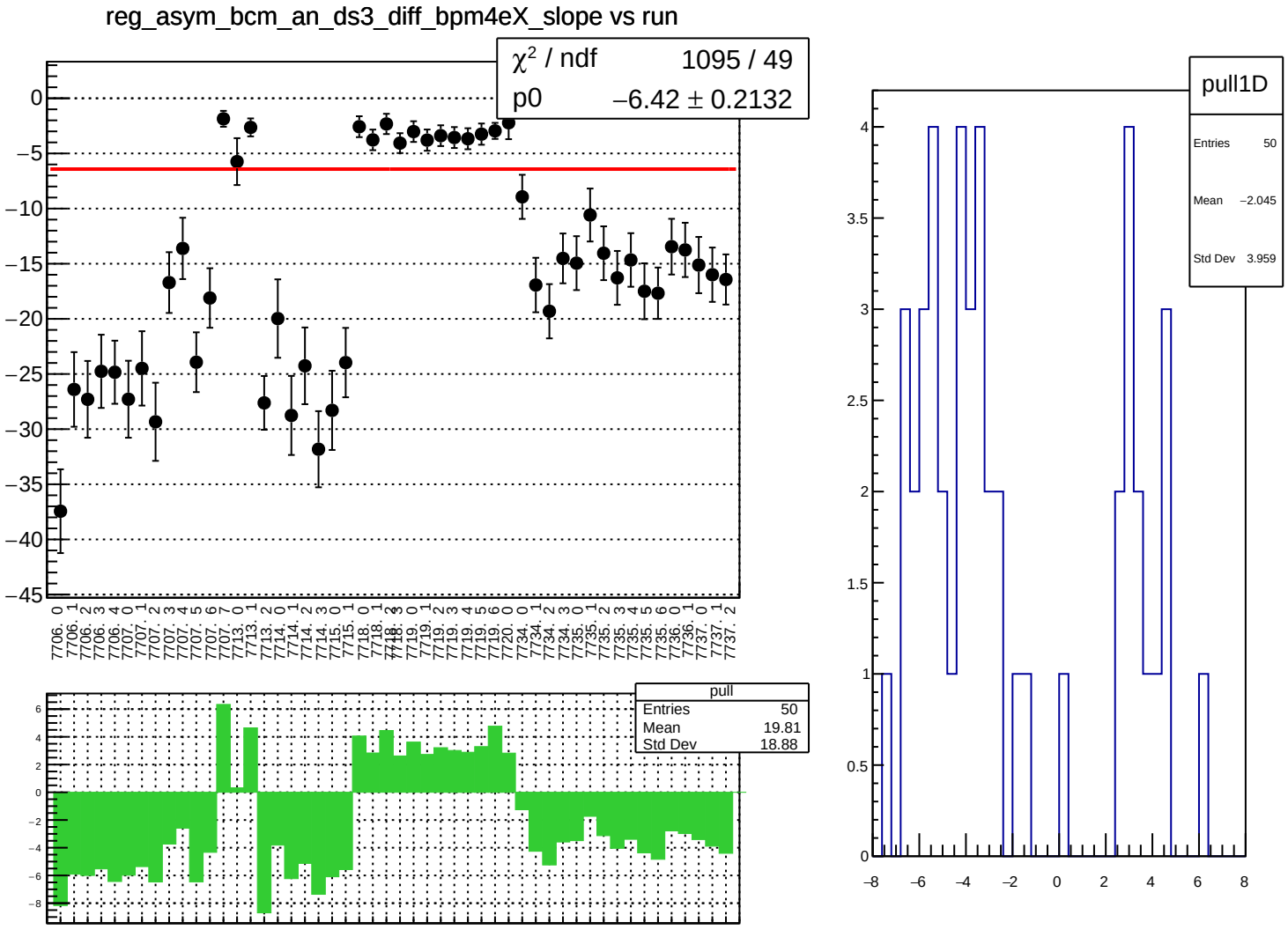

pull1D
Entries 50
Mean 0.007611
Std Dev 0.7242

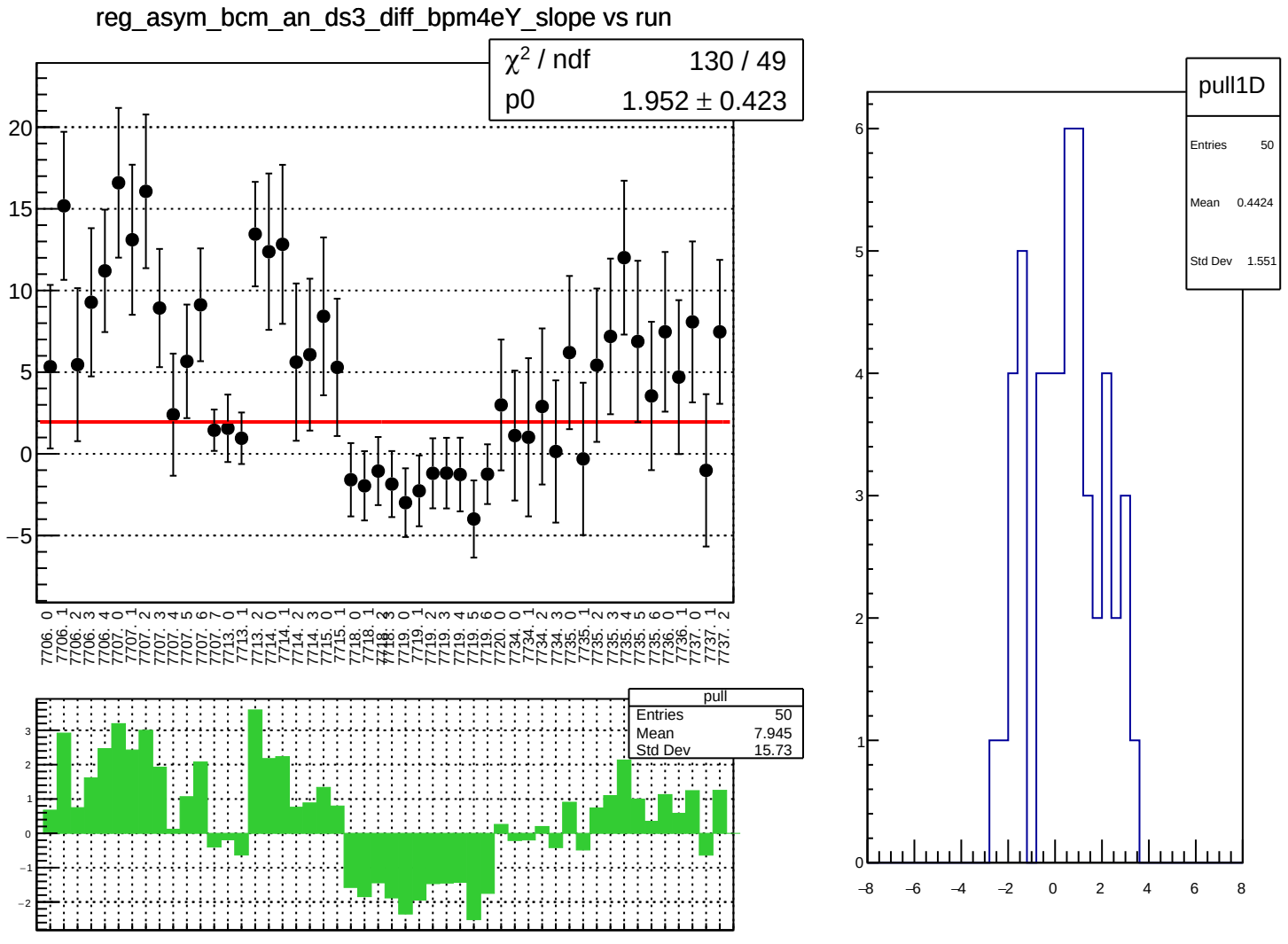

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 222.3 / 49
p0 17.61 ± 0.1135
22
20
18
16
14
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean −221.1
Std Dev 255.6
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 50
Mean 0.02393
Std Dev 2.109
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

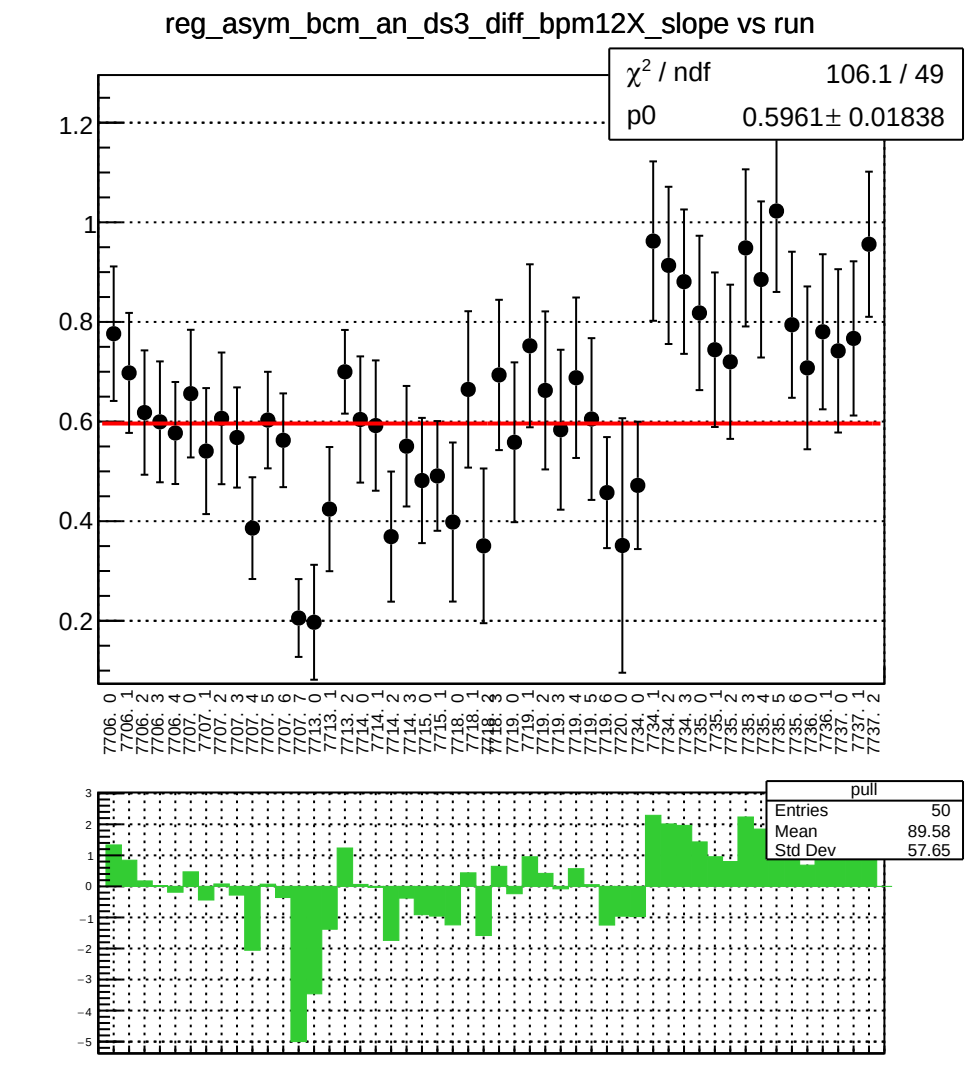

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 962.3 / 49
p0 8.097 ± 0.2518
pull
Entries 50
Mean 17.32
Std Dev 18.74

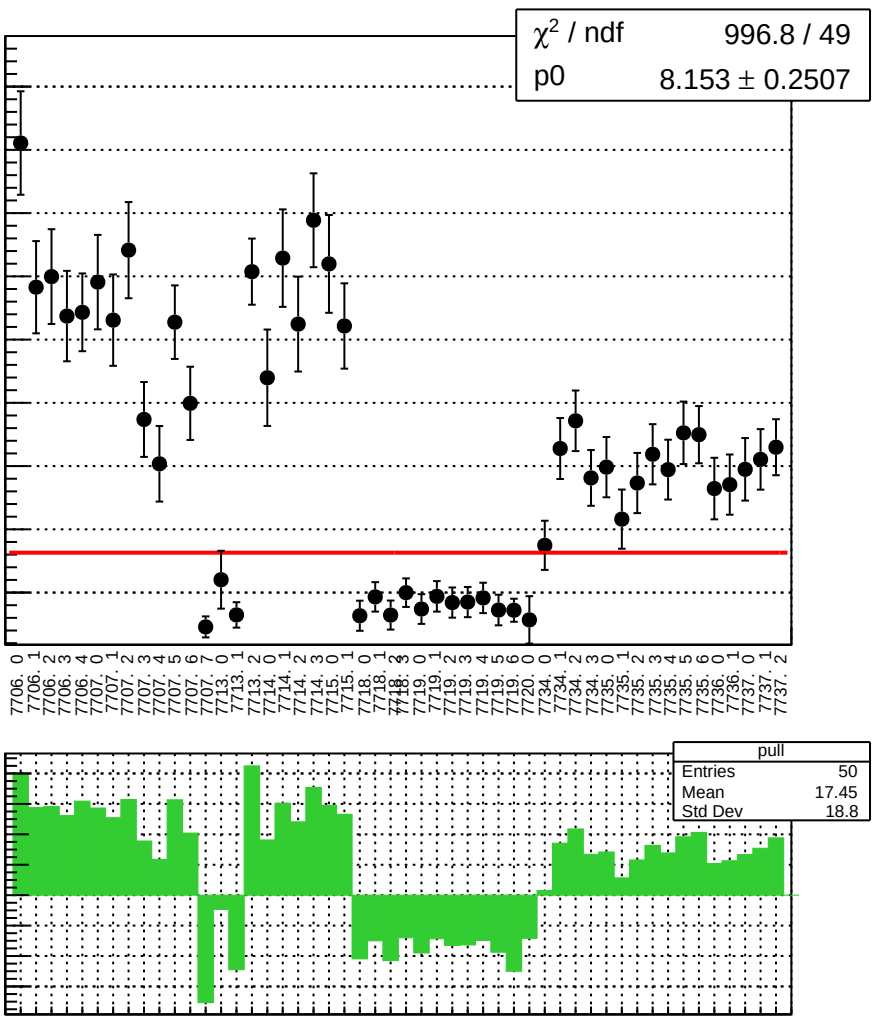

pull1D
Entries 50
Mean 1.742
Std Dev 3.897

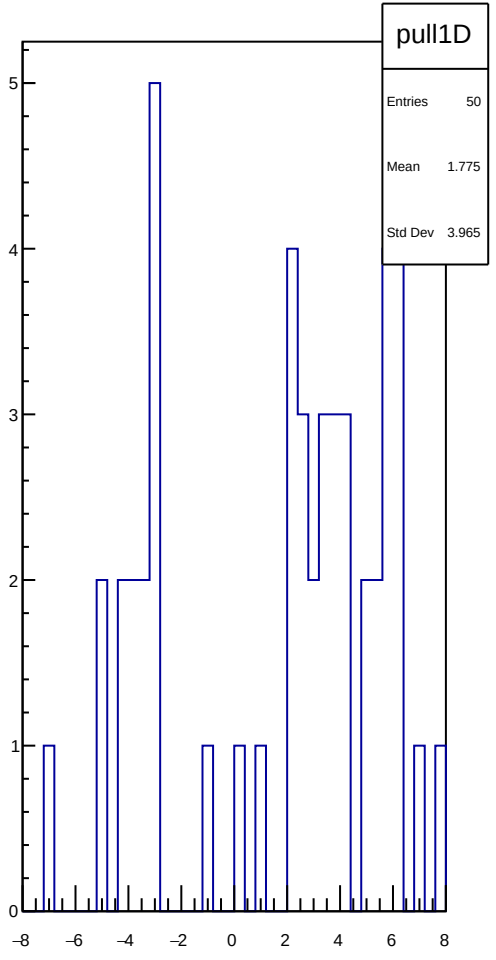

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 147.1 / 49
p0 −1.433 ± 0.2814
pull
Entries 50
Mean 9.589
Std Dev 14.63
pull1D
Entries 50
Mean −0.5923
Std Dev 1.61

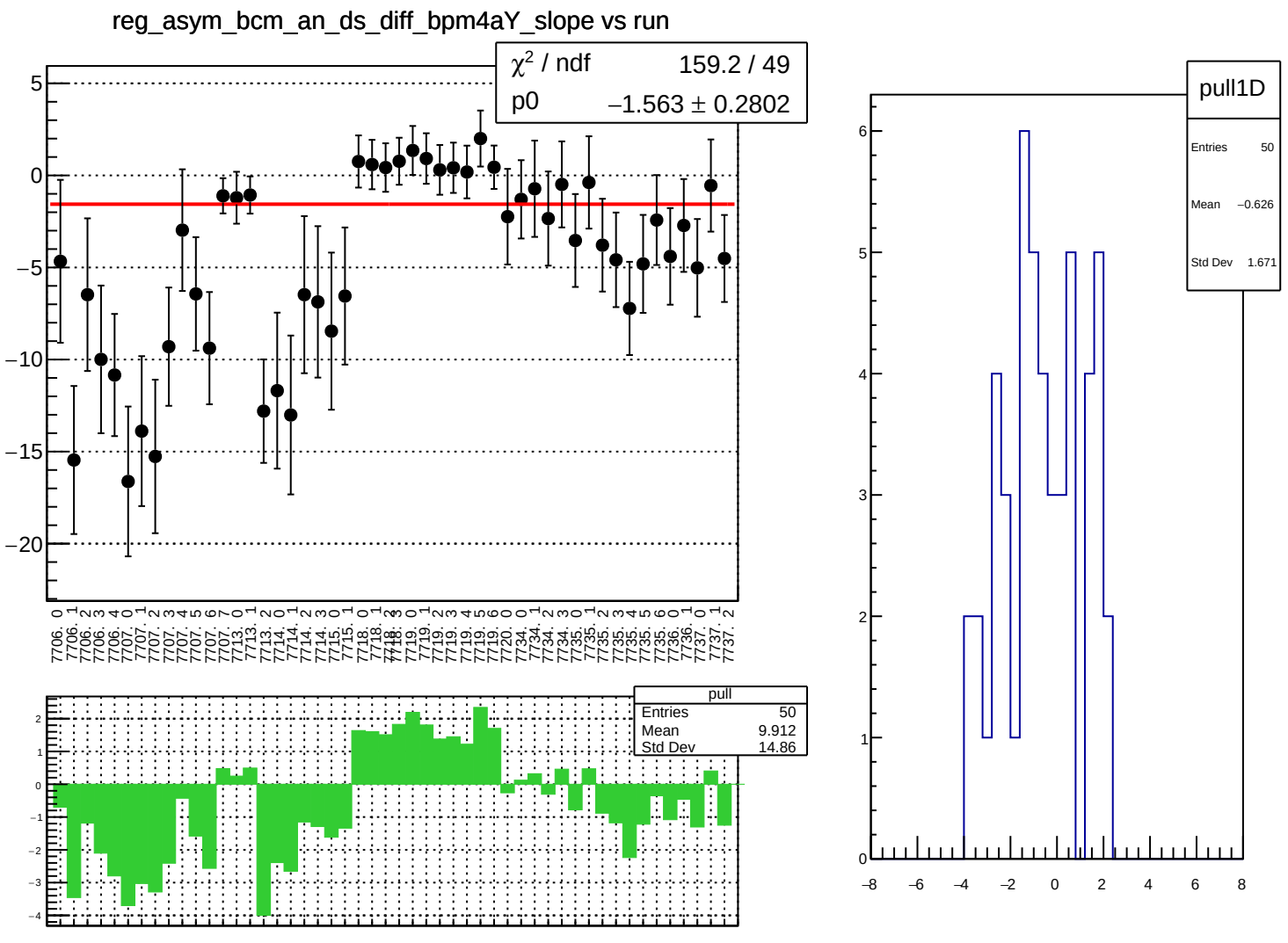

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1095 / 49
p0 −6.42 ± 0.2132
pull
Entries 50
Mean 19.81
Std Dev 18.88
pull1D
Entries 50
Mean −2.045
Std Dev 3.959

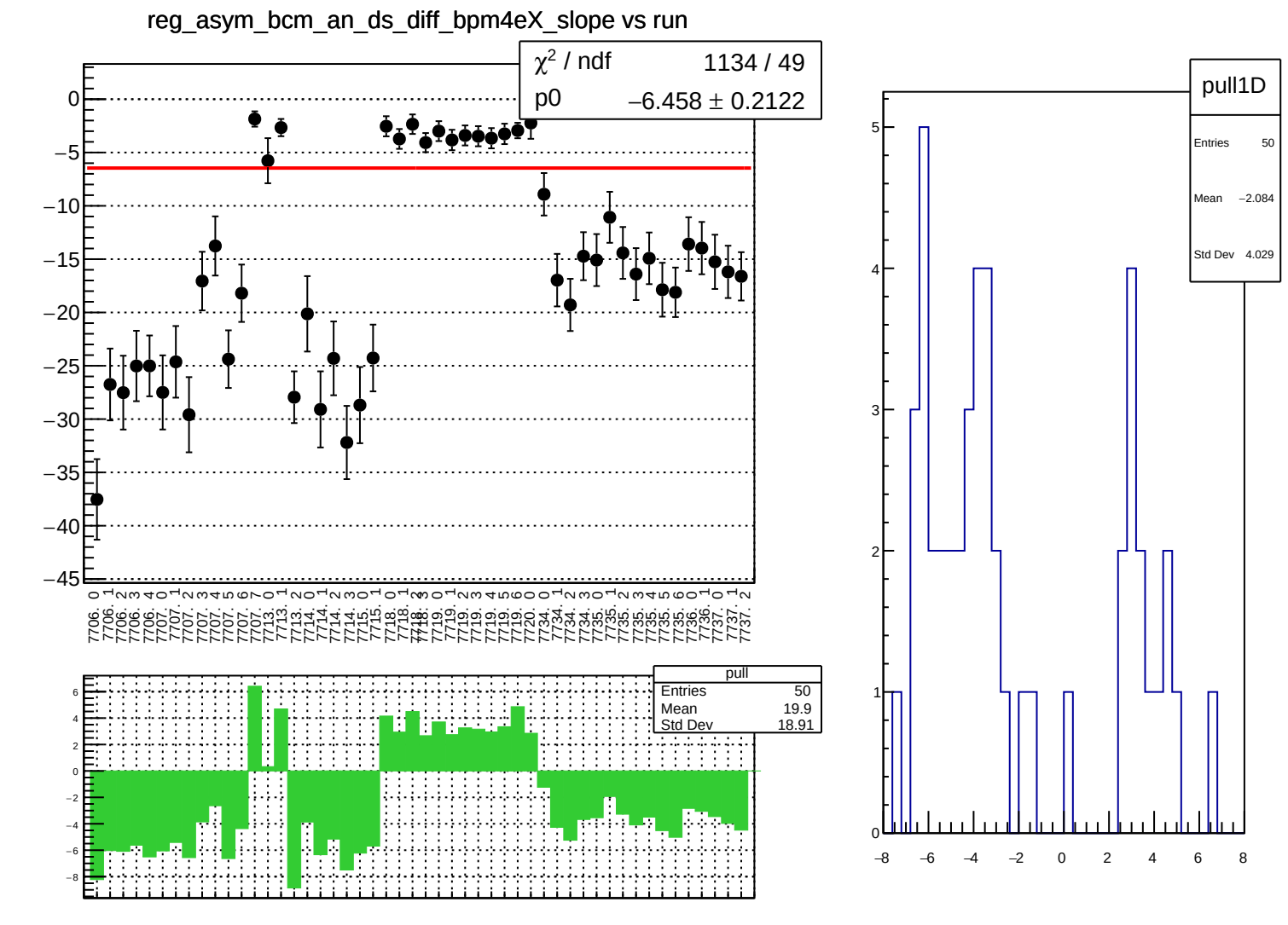

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 130 / 49
p0 1.952 ± 0.423
pull
Entries 50
Mean 7.945
Std Dev 15.73
pull1D
Entries 50
Mean 0.4424
Std Dev 1.551

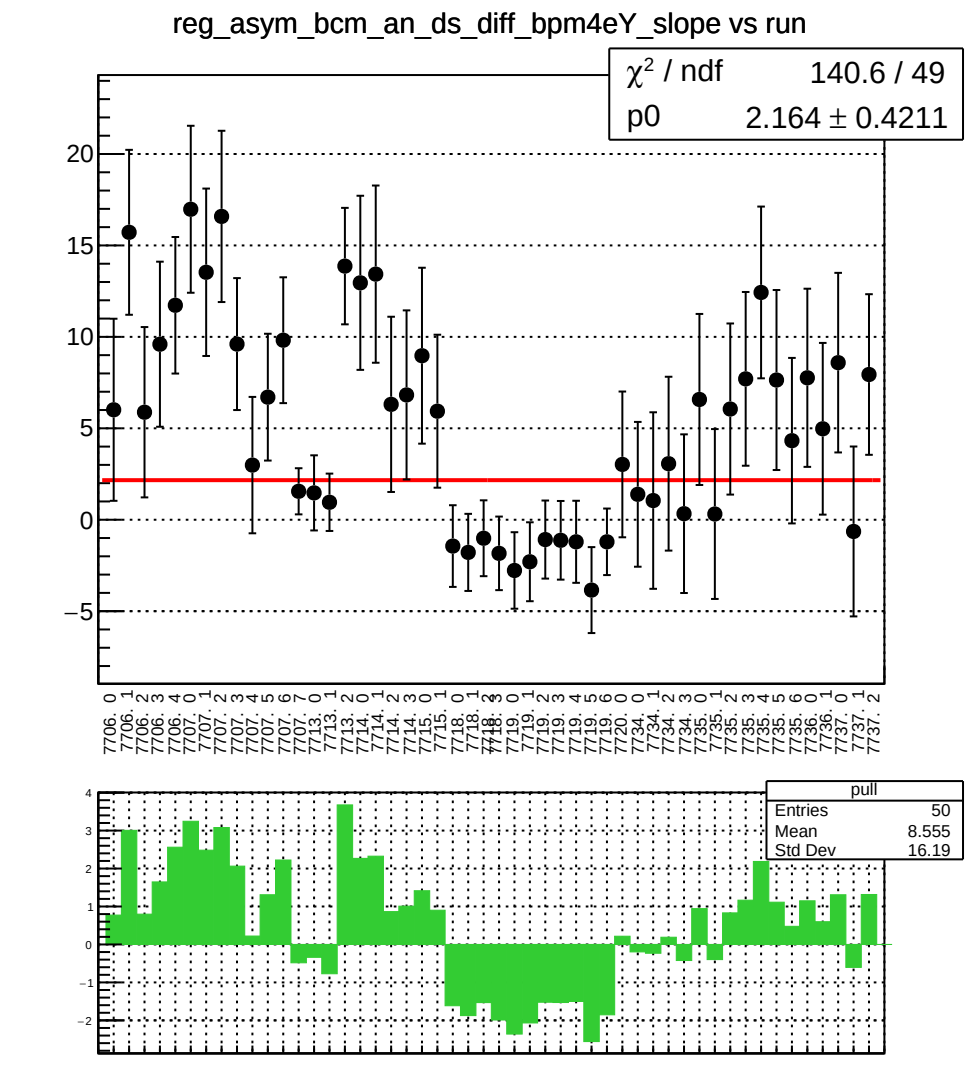

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 106.1 / 49
p0 0.5961± 0.01838
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 50
Mean 89.58
Std Dev 57.65
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 50
Mean 0.1551
Std Dev 1.448
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

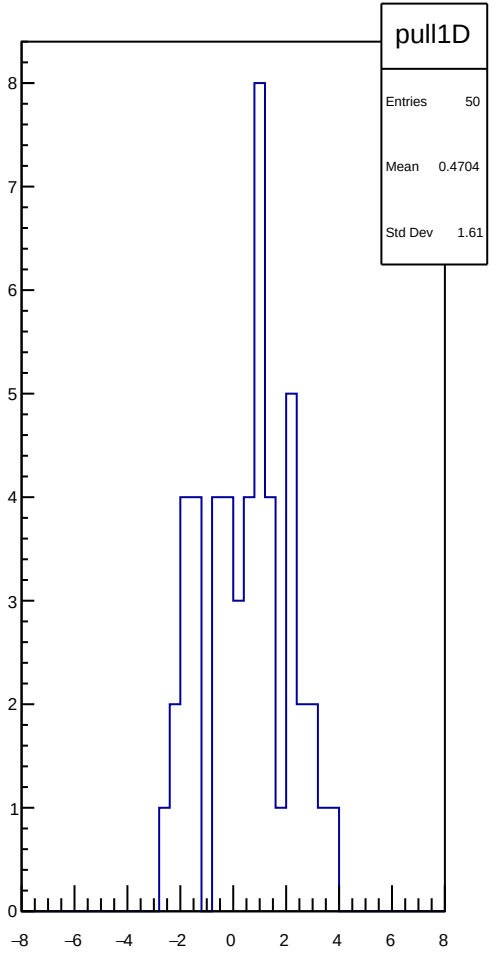

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 996.8 / 49
p0 8.153 ± 0.2507
pull
Entries 50
Mean 17.45
Std Dev 18.8

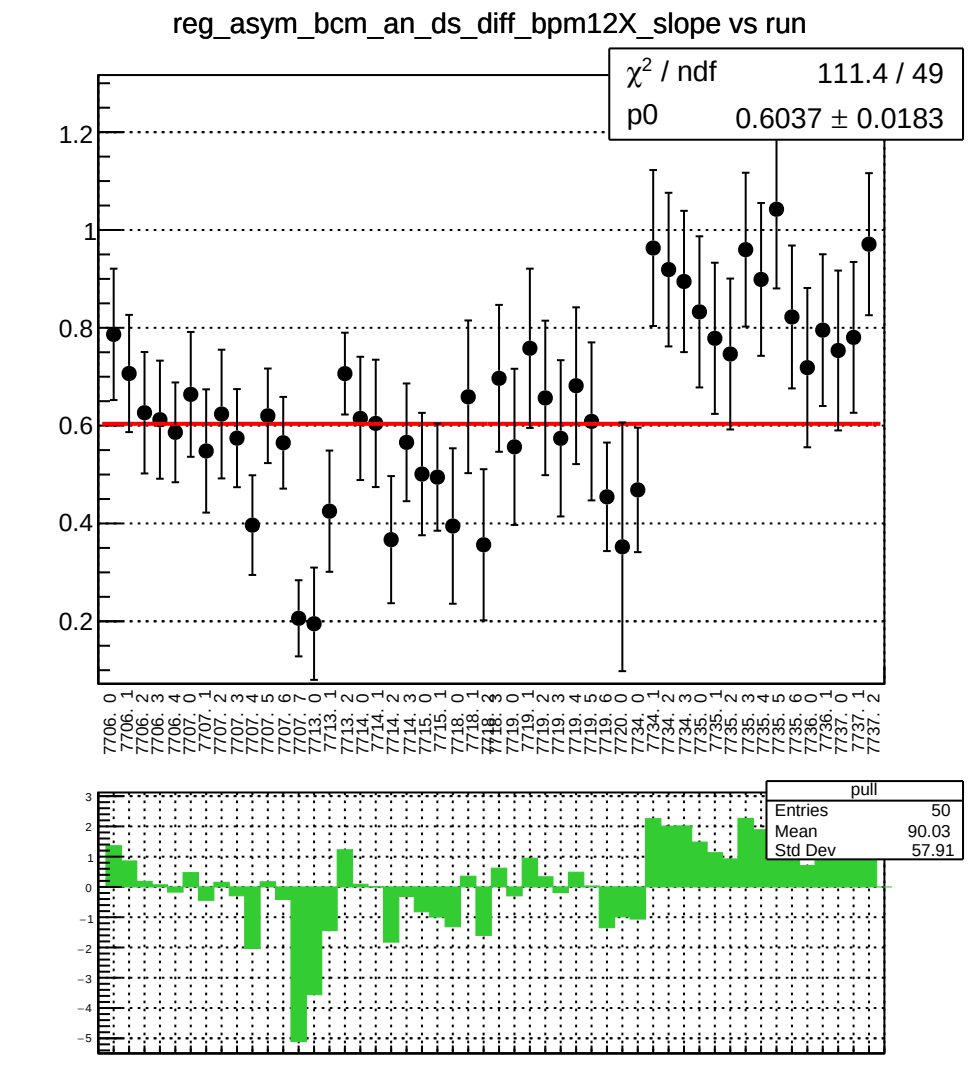

pull1D
Entries 50
Mean 1.775
Std Dev 3.965

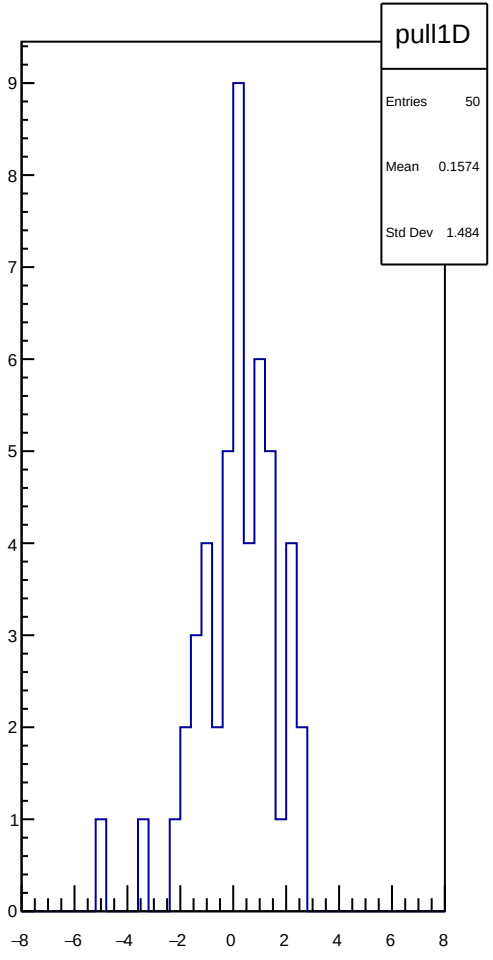

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 159.2 / 49
p0 −1.563 ± 0.2802
pull
Entries 50
Mean 9.912
Std Dev 14.86
pull1D
Entries 50
Mean −0.626
Std Dev 1.671

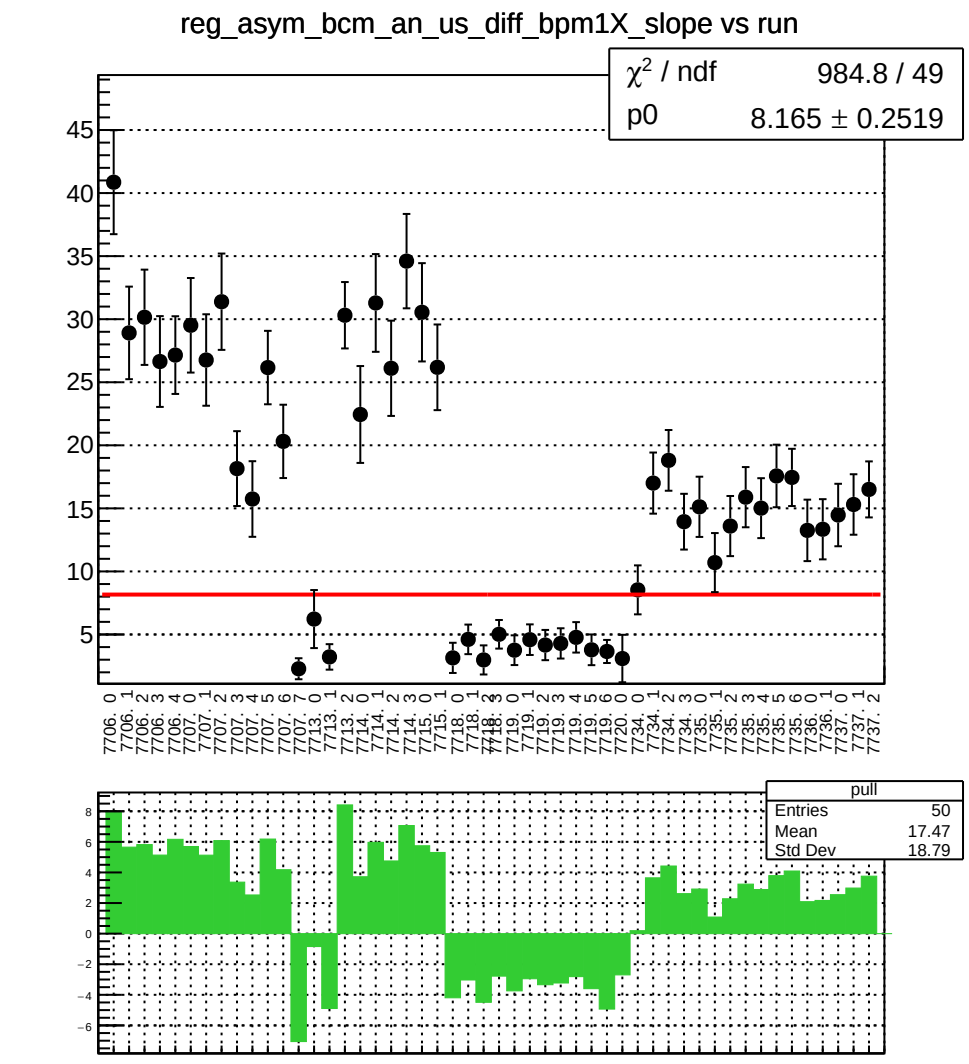

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1134 / 49
p0 −6.458 ± 0.2122
pull
Entries 50
Mean 19.9
Std Dev 18.91
pull1D
Entries 50
Mean −2.084
Std Dev 4.029

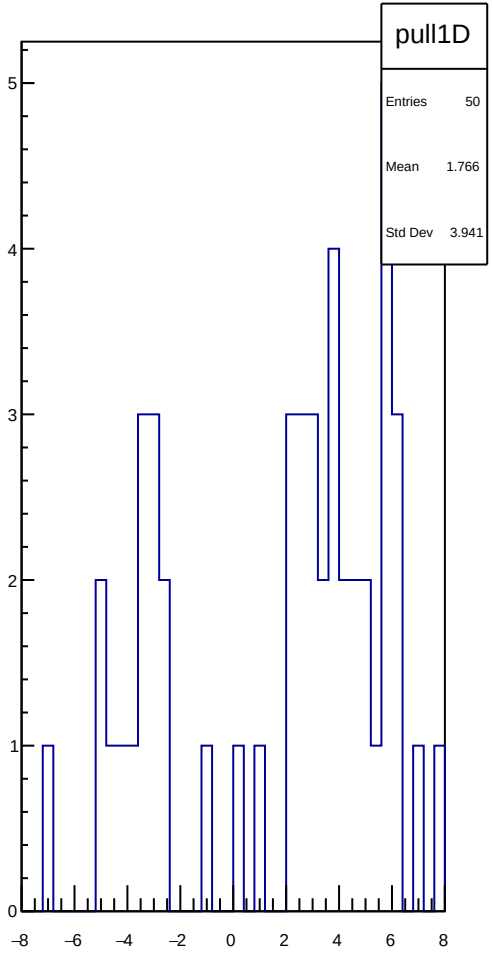

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 140.6 / 49
p0 2.164 ± 0.4211
pull
Entries 50
Mean 8.555
Std Dev 16.19

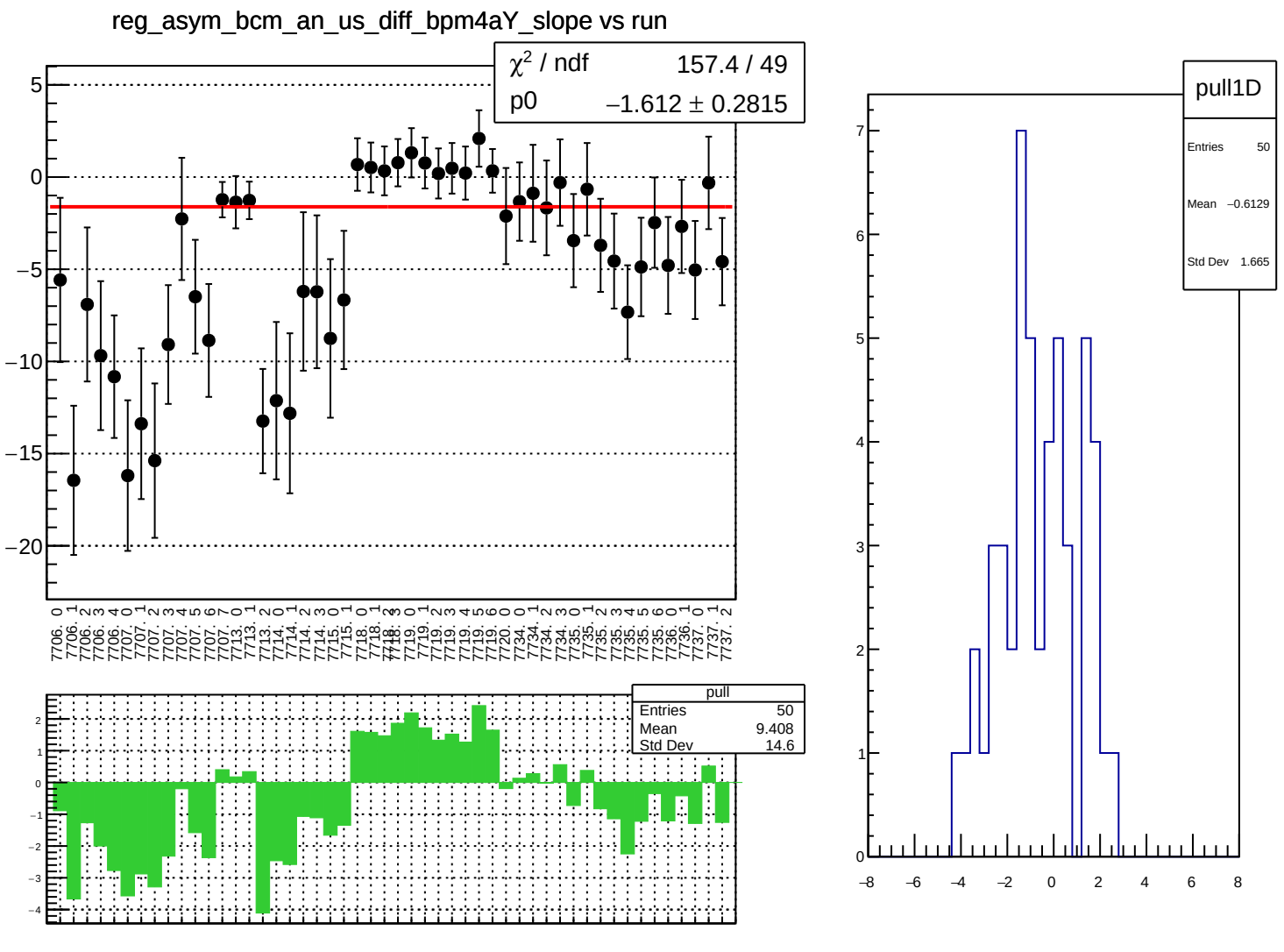

pull1D
Entries 50
Mean 0.4704
Std Dev 1.61

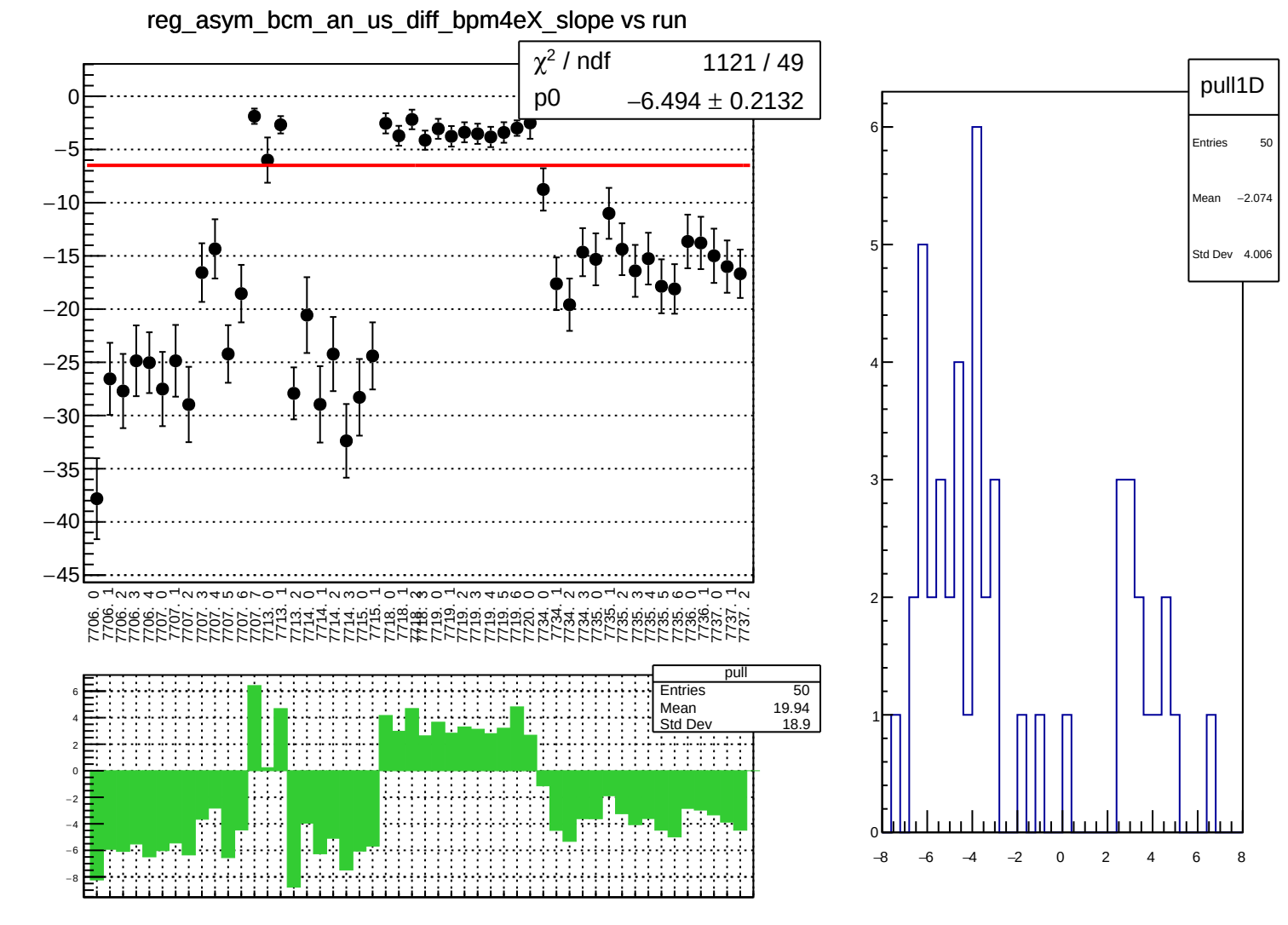

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 111.4 / 49
p0 0.6037 ± 0.0183
pull
Entries 50
Mean 90.03
Std Dev 57.91

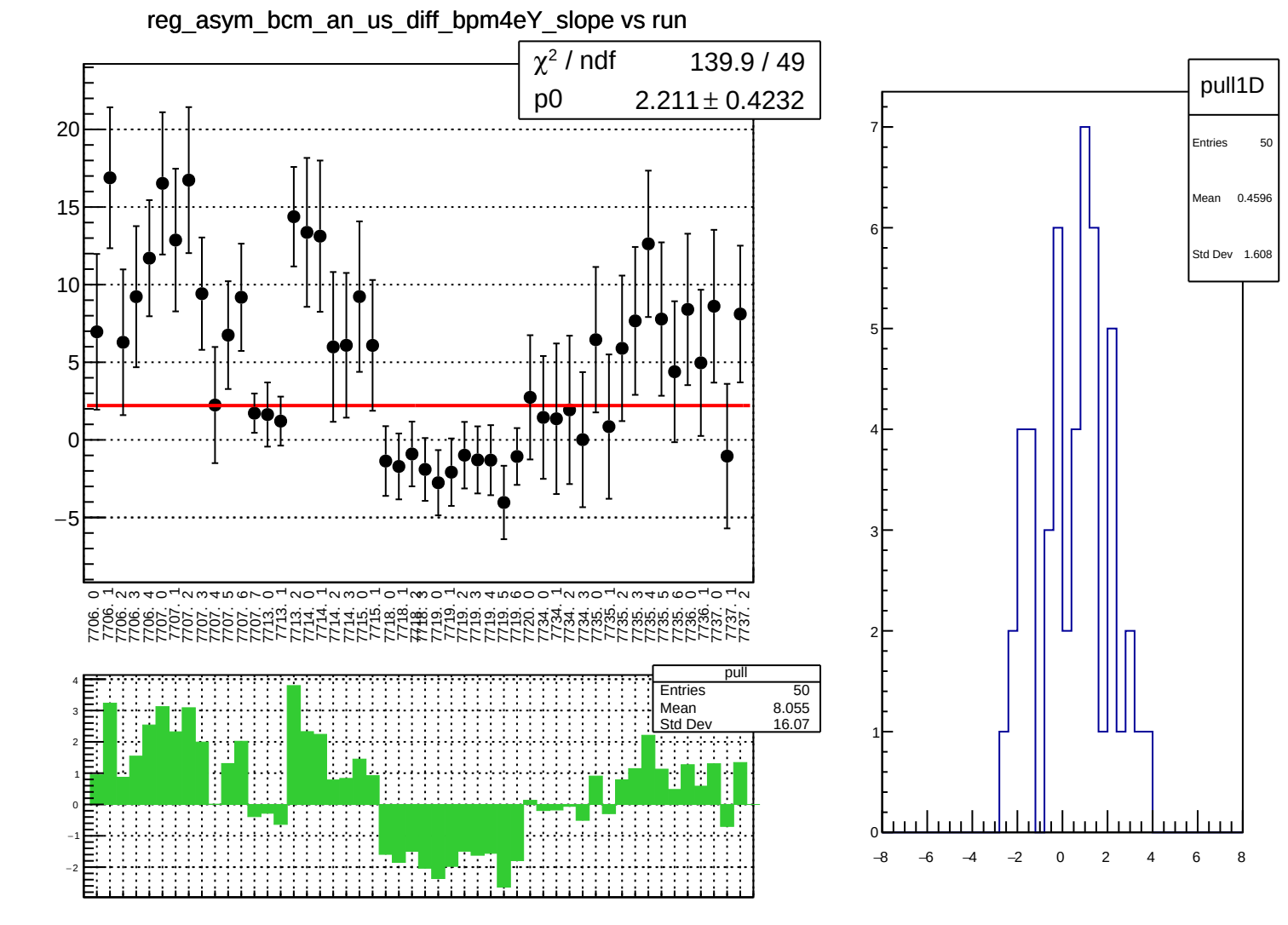

pull1D
Entries 50
Mean 0.1574
Std Dev 1.484

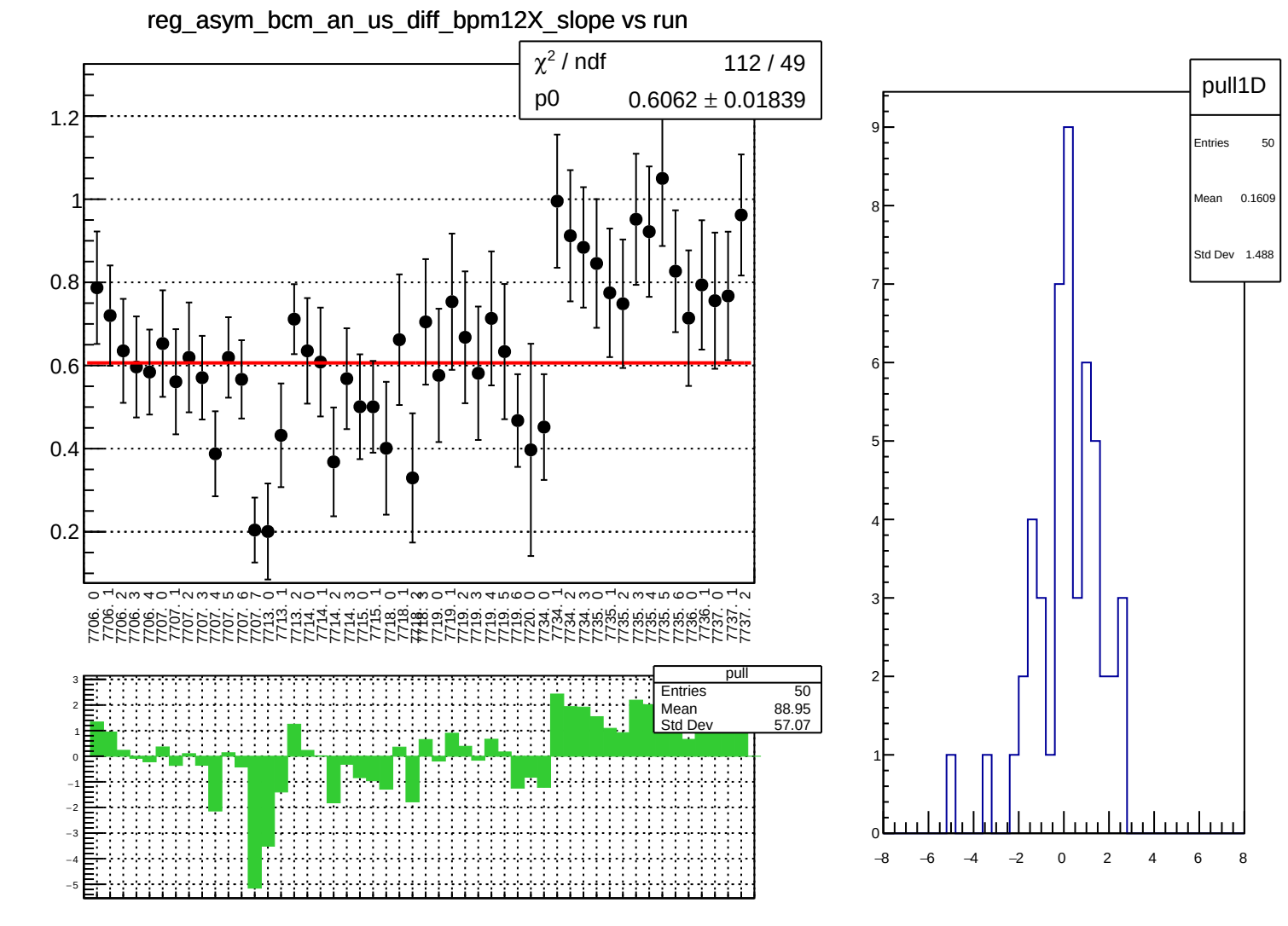

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 984.8 / 49
p0 8.165 ± 0.2519
pull
Entries 50
Mean 17.47
Std Dev 18.79

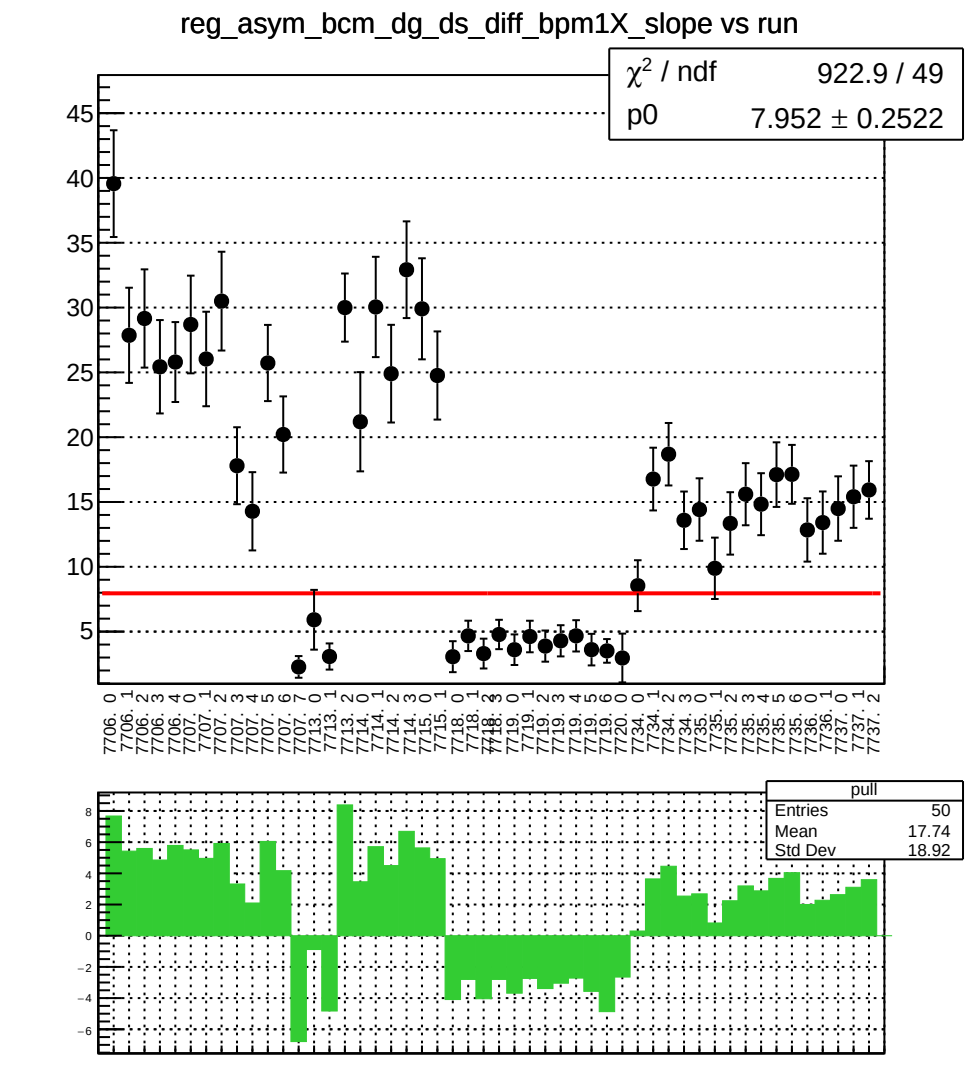

pull1D
Entries 50
Mean 1.766
Std Dev 3.941

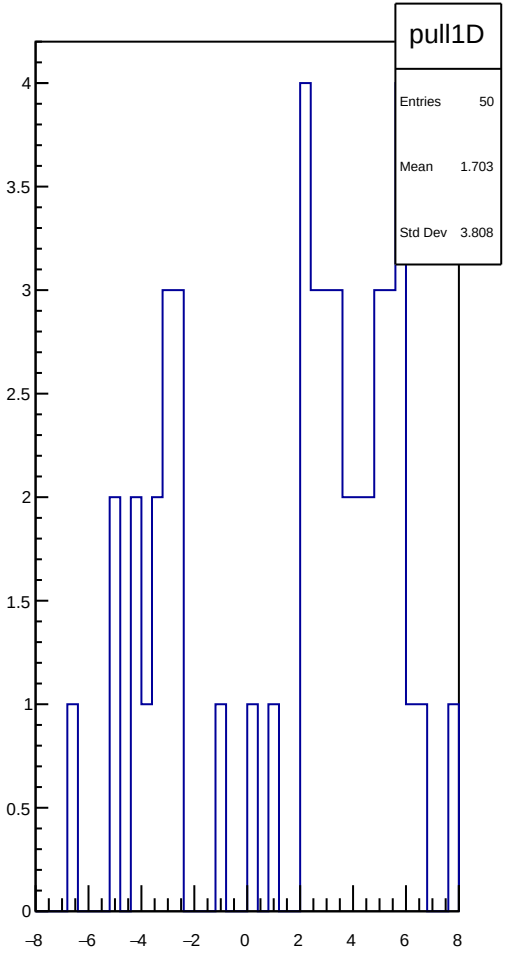

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 157.4 / 49
p0 −1.612 ± 0.2815
pull
Entries 50
Mean 9.408
Std Dev 14.6
pull1D
Entries 50
Mean −0.6129
Std Dev 1.665

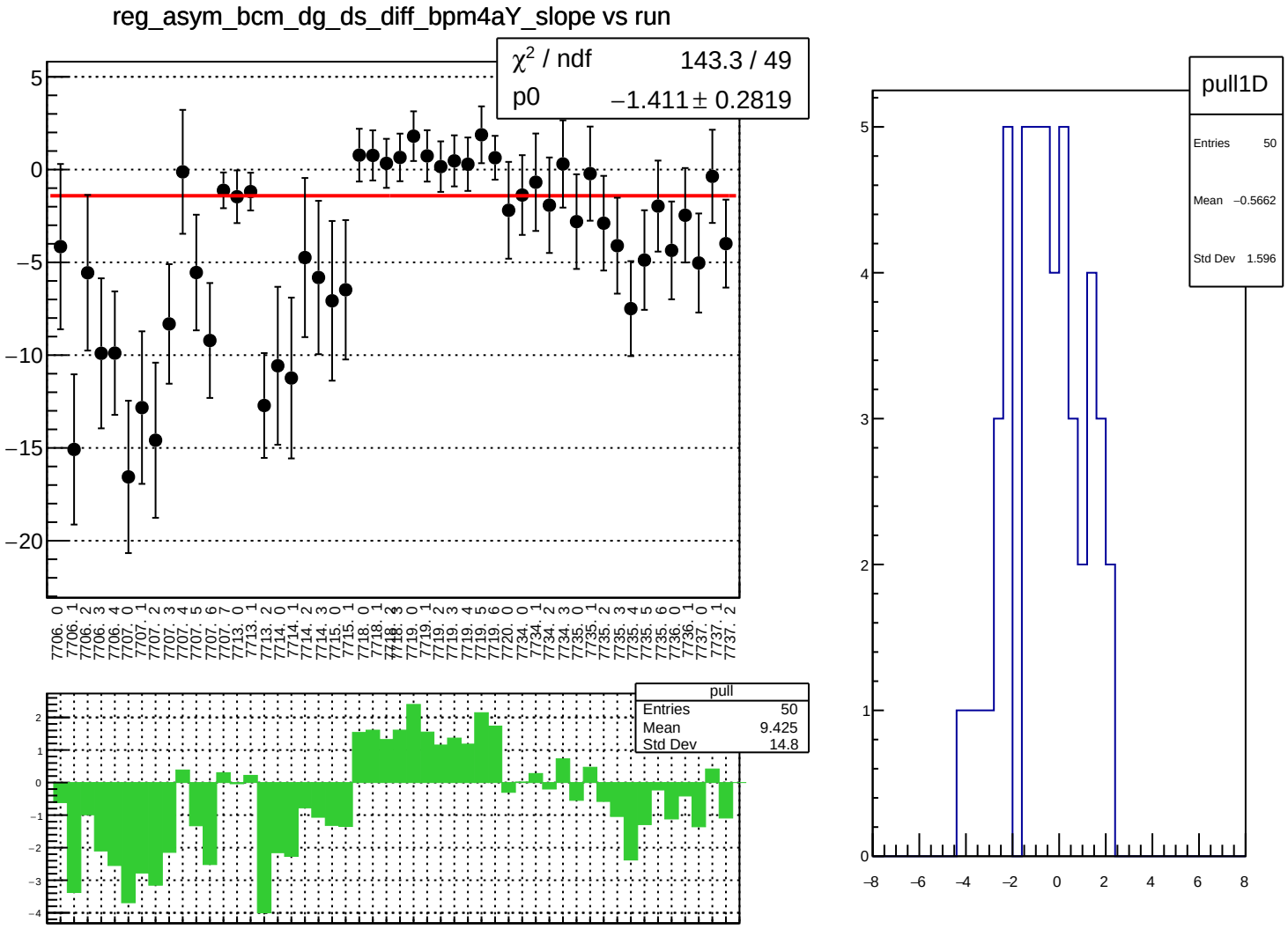

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1121 / 49
p0 −6.494 ± 0.2132
pull
Entries 50
Mean 19.94
Std Dev 18.9
pull1D
Entries 50
Mean −2.074
Std Dev 4.006

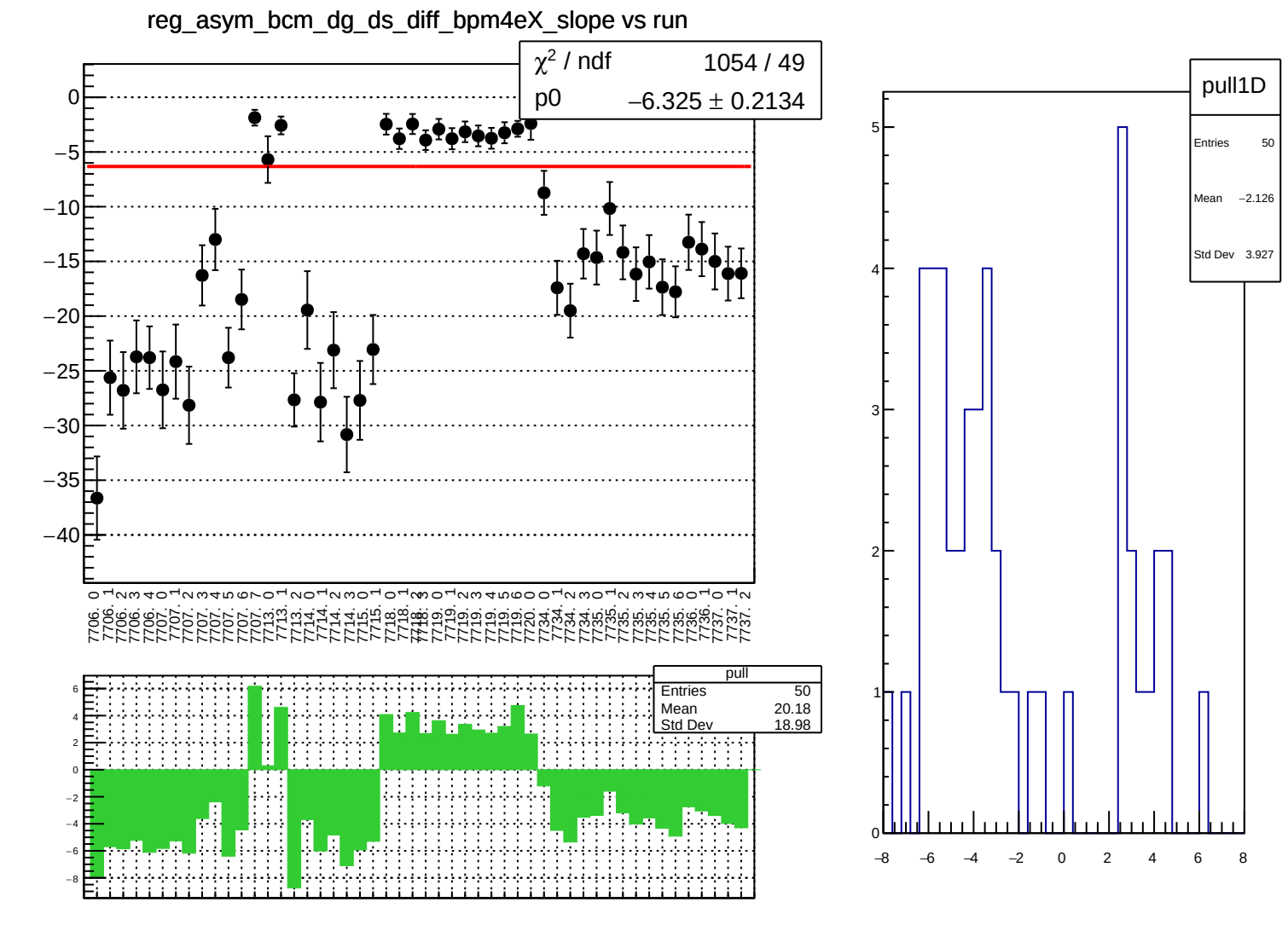

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 139.9 / 49
p0 2.211 ± 0.4232
pull
Entries 50
Mean 8.055
Std Dev 16.07
pull1D
Entries 50
Mean 0.4596
Std Dev 1.608

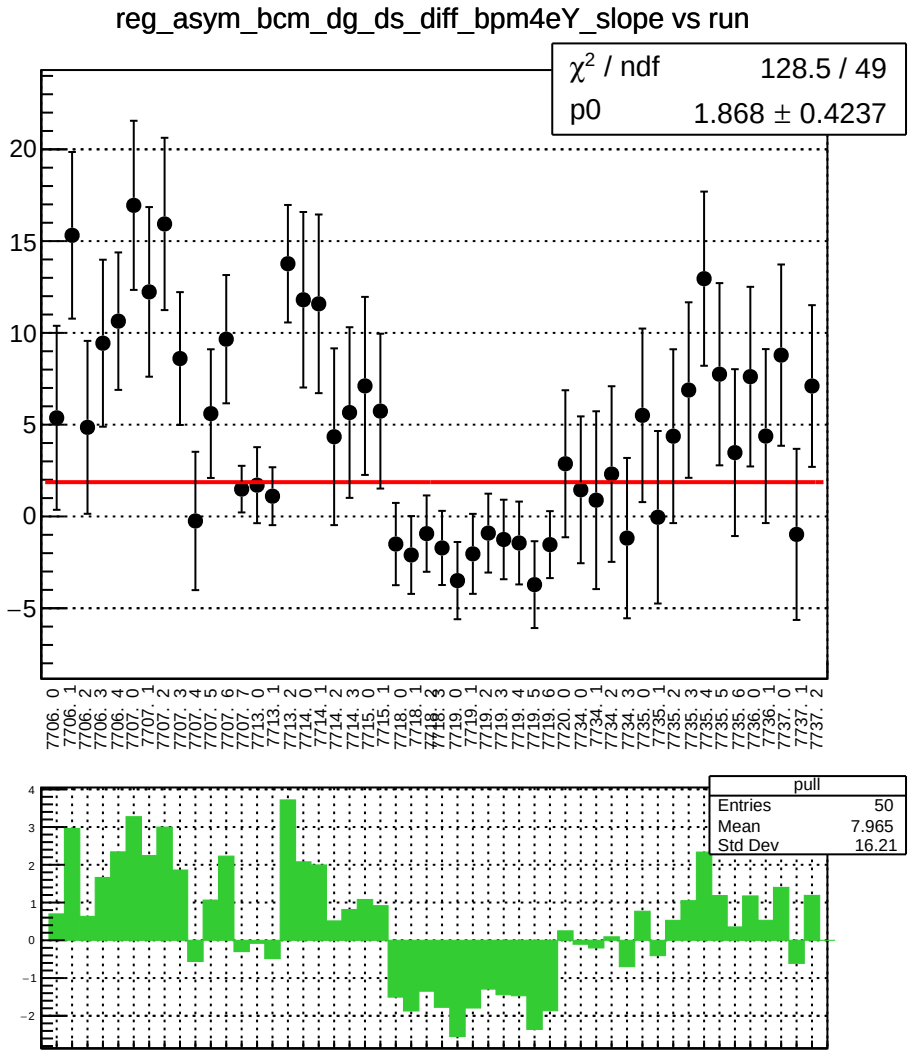

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 112 / 49
p0 0.6062 ± 0.01839
pull
Entries 50
Mean 88.95
Std Dev 57.07
pull1D
Entries 50
Mean 0.1609
Std Dev 1.488

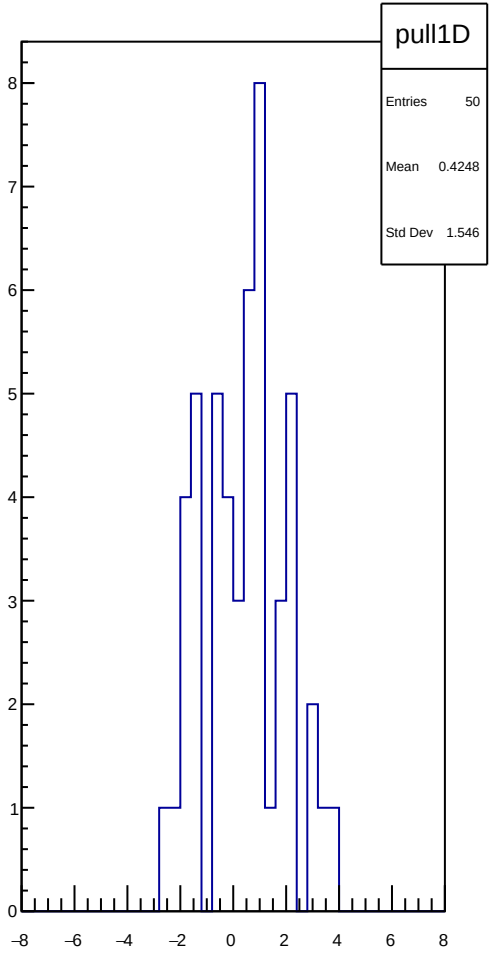

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 922.9 / 49
p0 7.952 ± 0.2522
pull
Entries 50
Mean 17.74
Std Dev 18.92

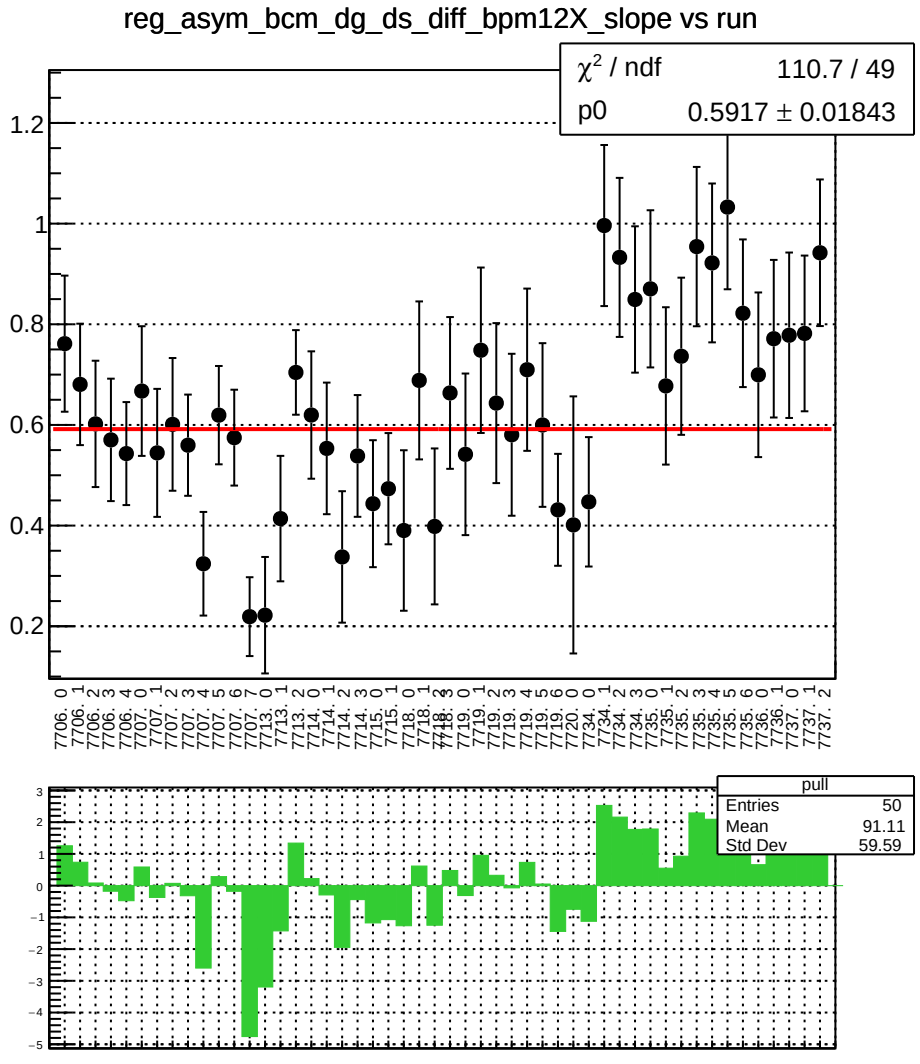

pull1D
Entries 50
Mean 1.703
Std Dev 3.808

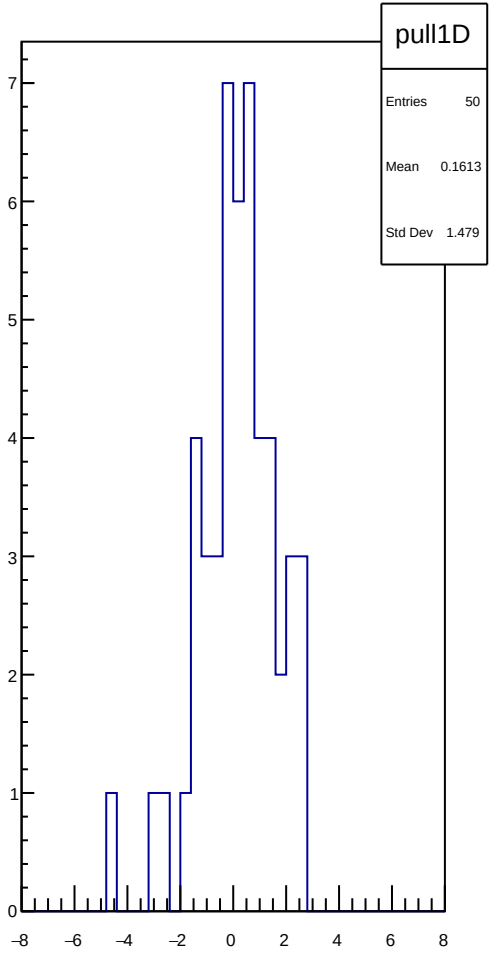

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 143.3 / 49
p0 −1.411 ± 0.2819
pull
Entries 50
Mean 9.425
Std Dev 14.8
pull1D
Entries 50
Mean −0.5662
Std Dev 1.596

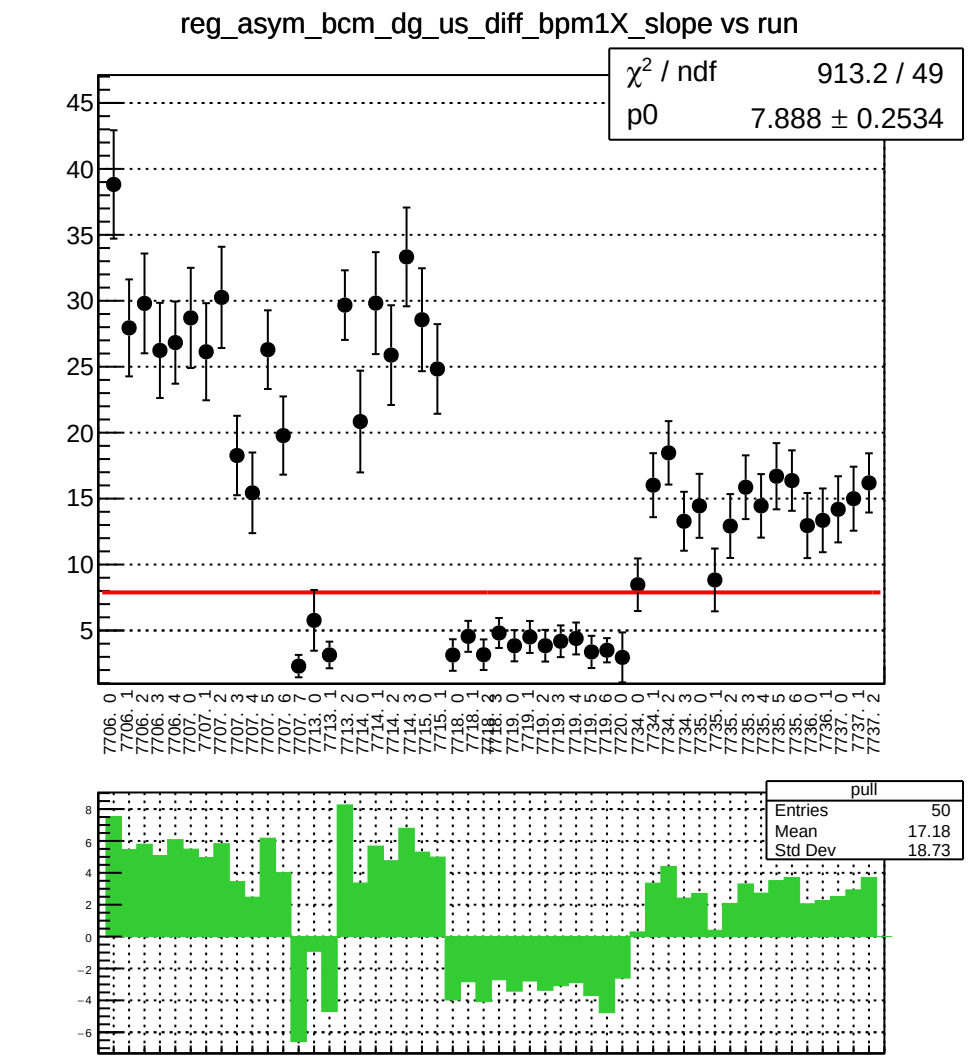

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1054 / 49
p0 −6.325 ± 0.2134
pull
Entries 50
Mean 20.18
Std Dev 18.98
pull1D
Entries 50
Mean −2.126
Std Dev 3.927

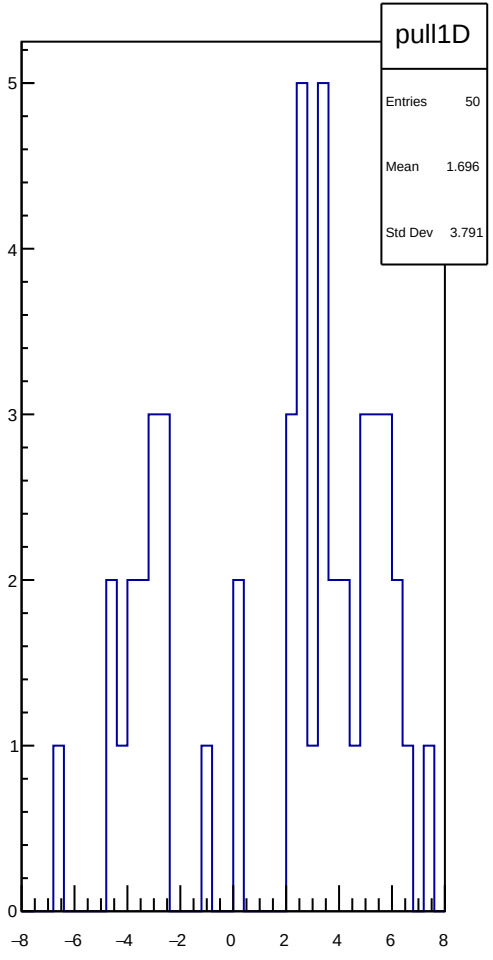

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 128.5 / 49
p0 1.868 ± 0.4237
pull
Entries 50
Mean 7.965
Std Dev 16.21

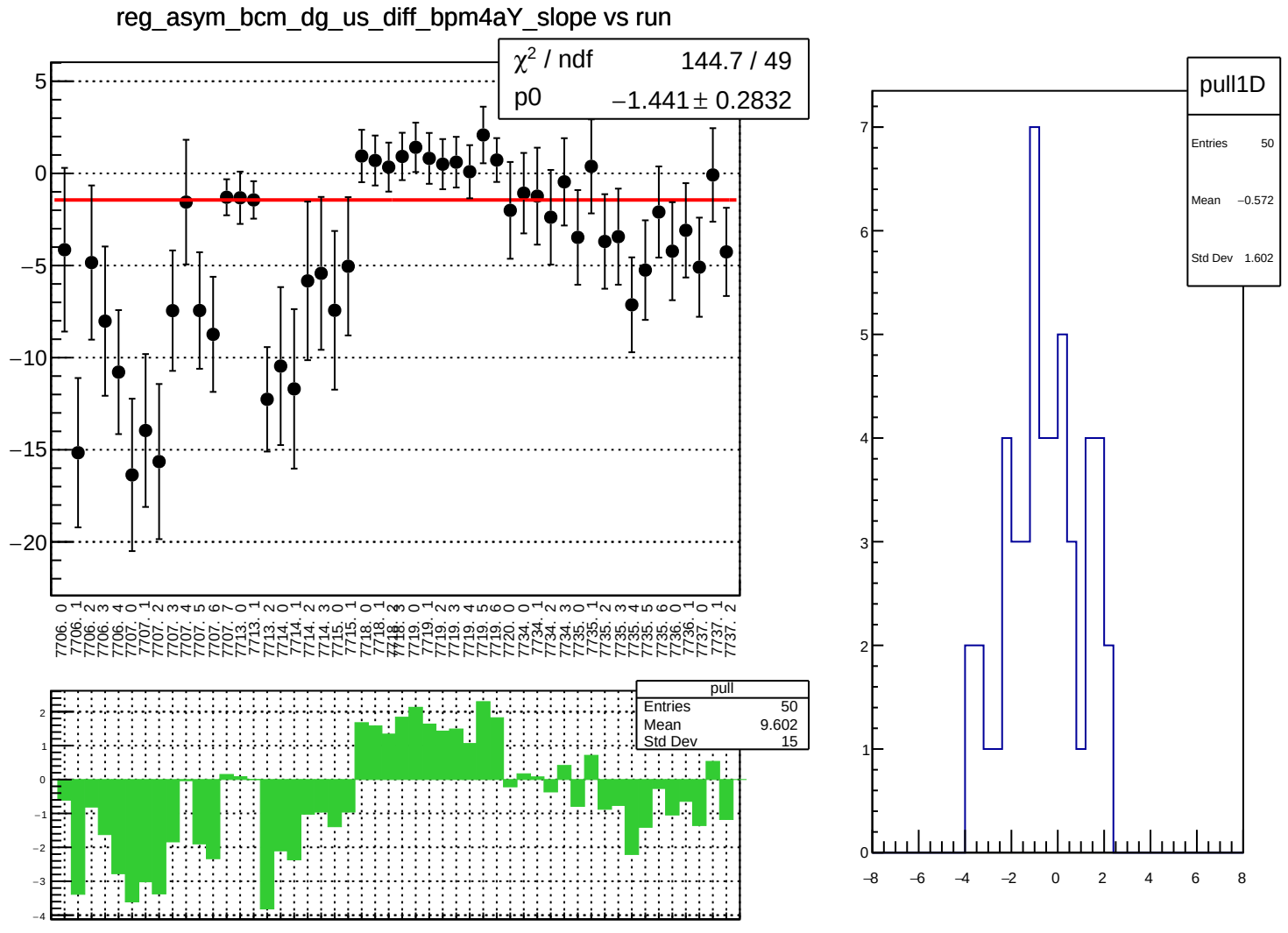

pull1D
Entries 50
Mean 0.4248
Std Dev 1.546

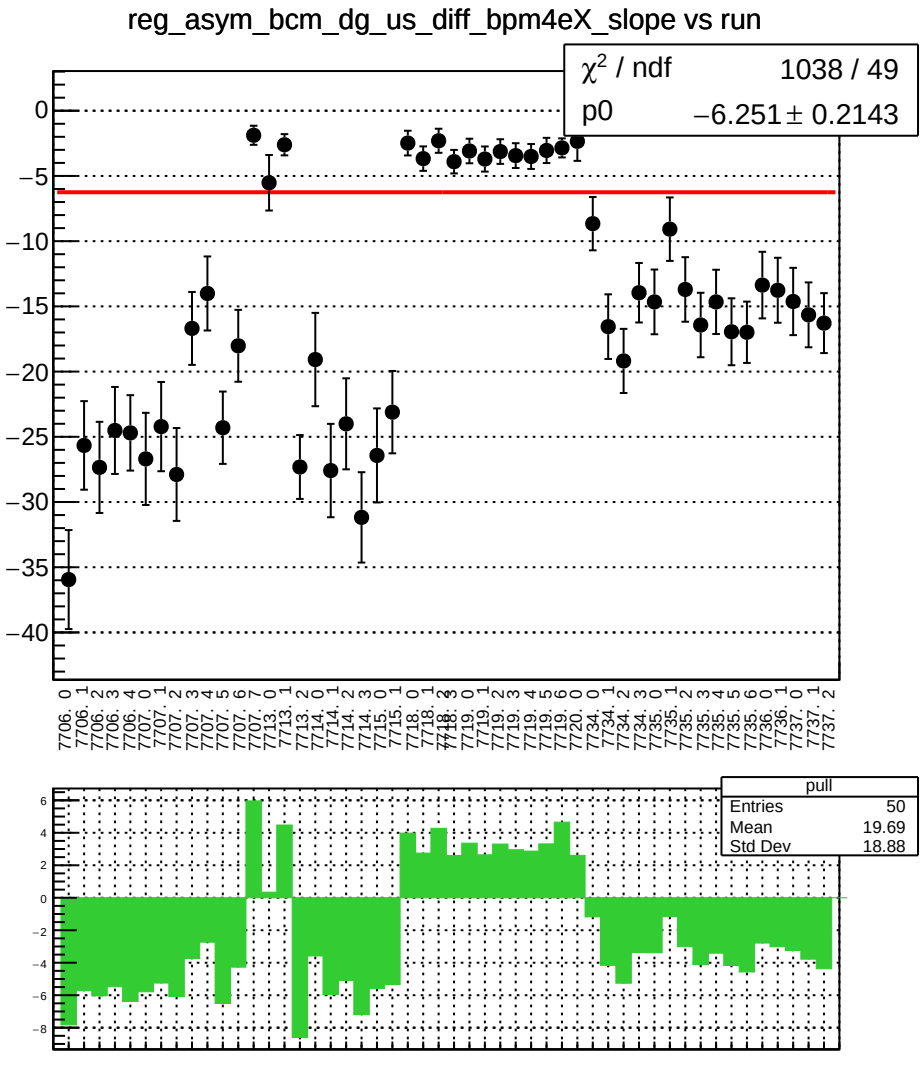

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 110.7 / 49
p0 0.5917 ± 0.01843
pull
Entries 50
Mean 91.11
Std Dev 59.59

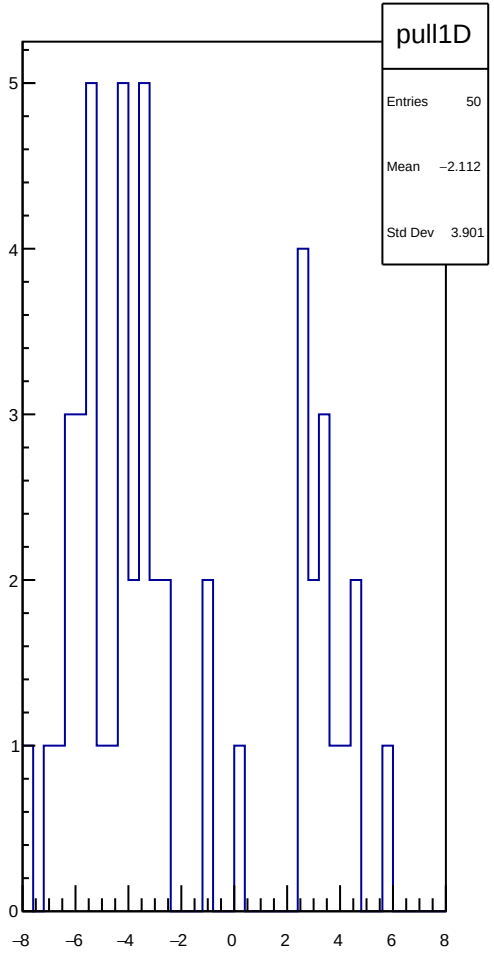

pull1D
Entries 50
Mean 0.1613
Std Dev 1.479

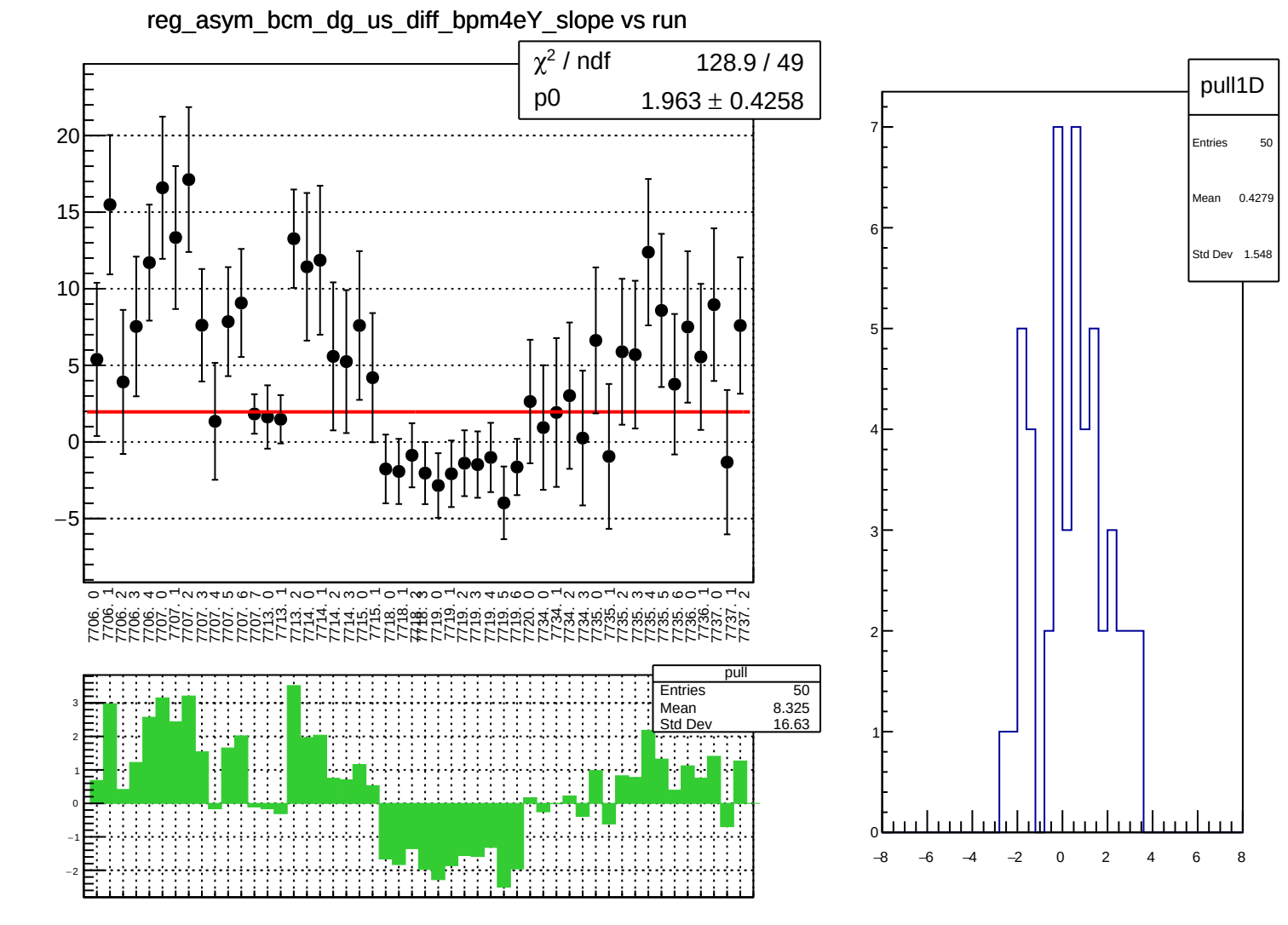

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 913.2 / 49
p0 7.888 ± 0.2534
pull
Entries 50
Mean 17.18
Std Dev 18.73

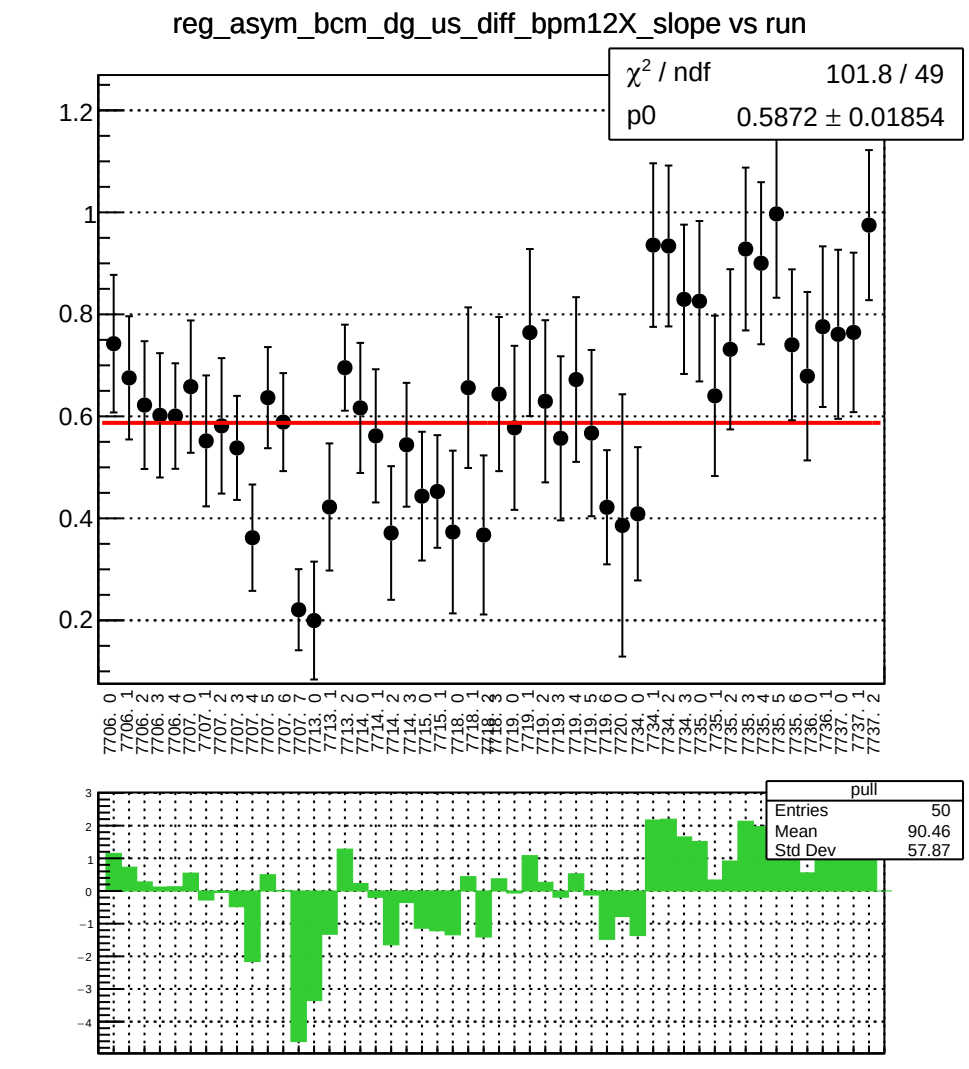

pull1D
Entries 50
Mean 1.696
Std Dev 3.791

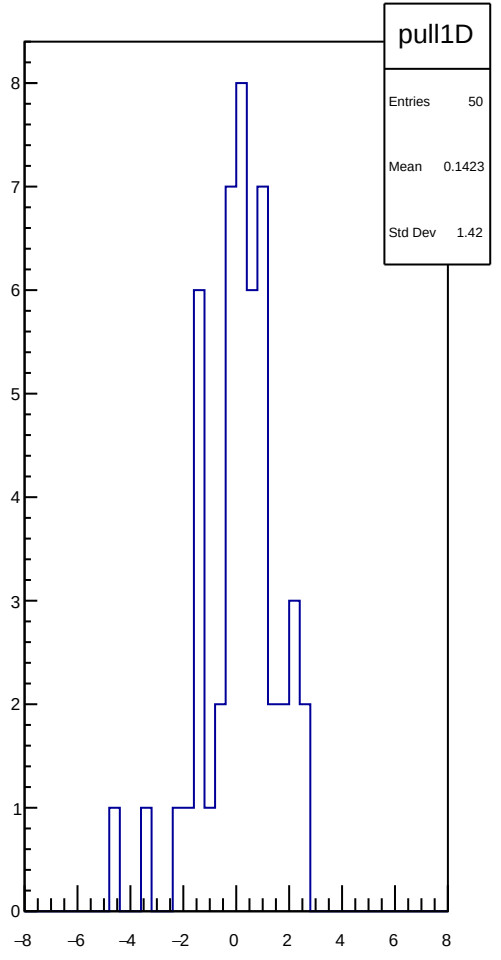

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 144.7 / 49
p0 −1.441 ± 0.2832
pull
Entries 50
Mean 9.602
Std Dev 15
pull1D
Entries 50
Mean −0.572
Std Dev 1.602


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1038 / 49
p0 −6.251 ± 0.2143
pull
Entries 50
Mean 19.69
Std Dev 18.88


pull1D
Entries 50
Mean −2.112
Std Dev 3.901


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 128.9 / 49
p0 1.963 ± 0.4258
pull
Entries 50
Mean 8.325
Std Dev 16.63
pull1D
Entries 50
Mean 0.4279
Std Dev 1.548


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 101.8 / 49
p0 0.5872 ± 0.01854
pull
Entries 50
Mean 90.46
Std Dev 57.87


pull1D
Entries 50
Mean 0.1423
Std Dev 1.42