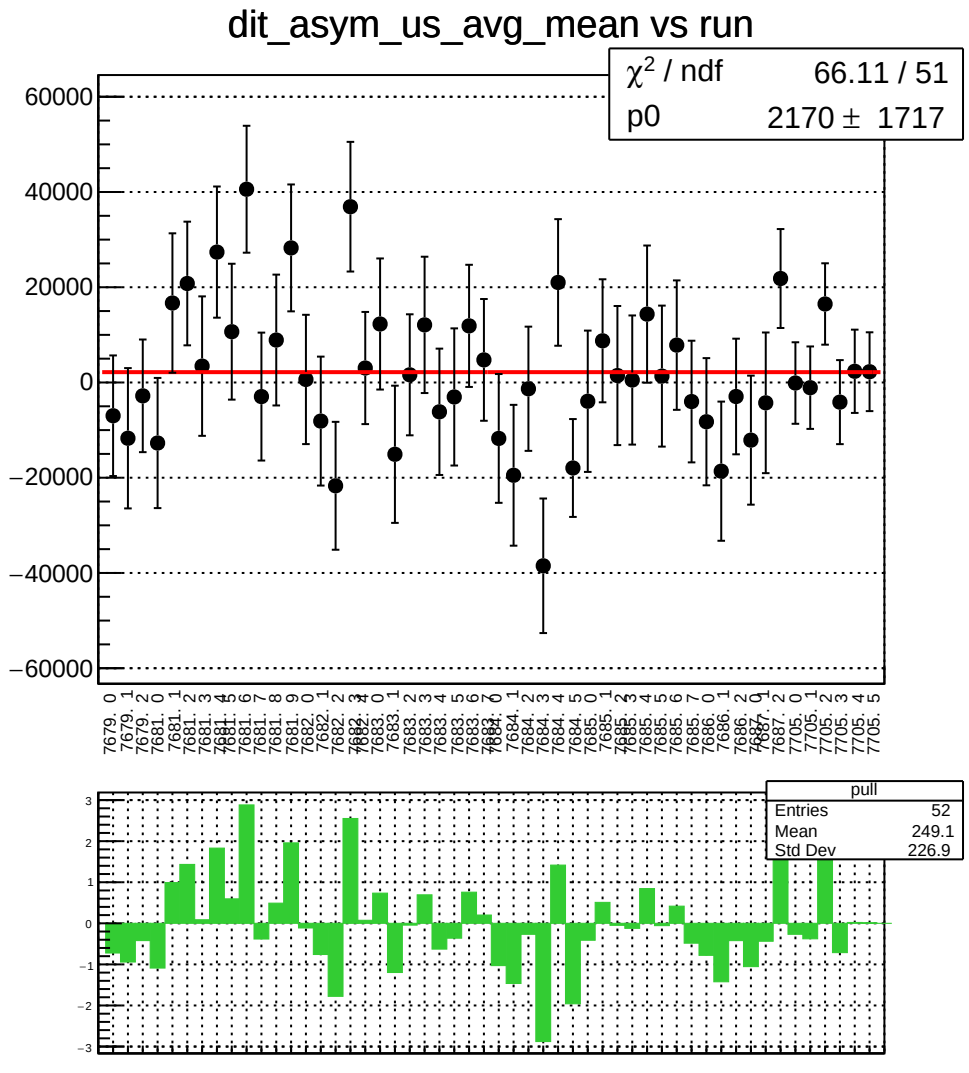
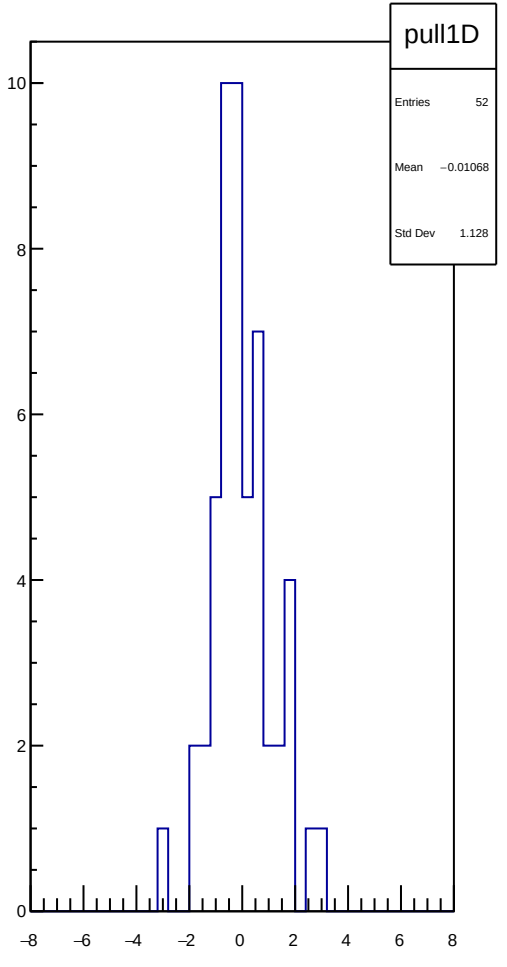
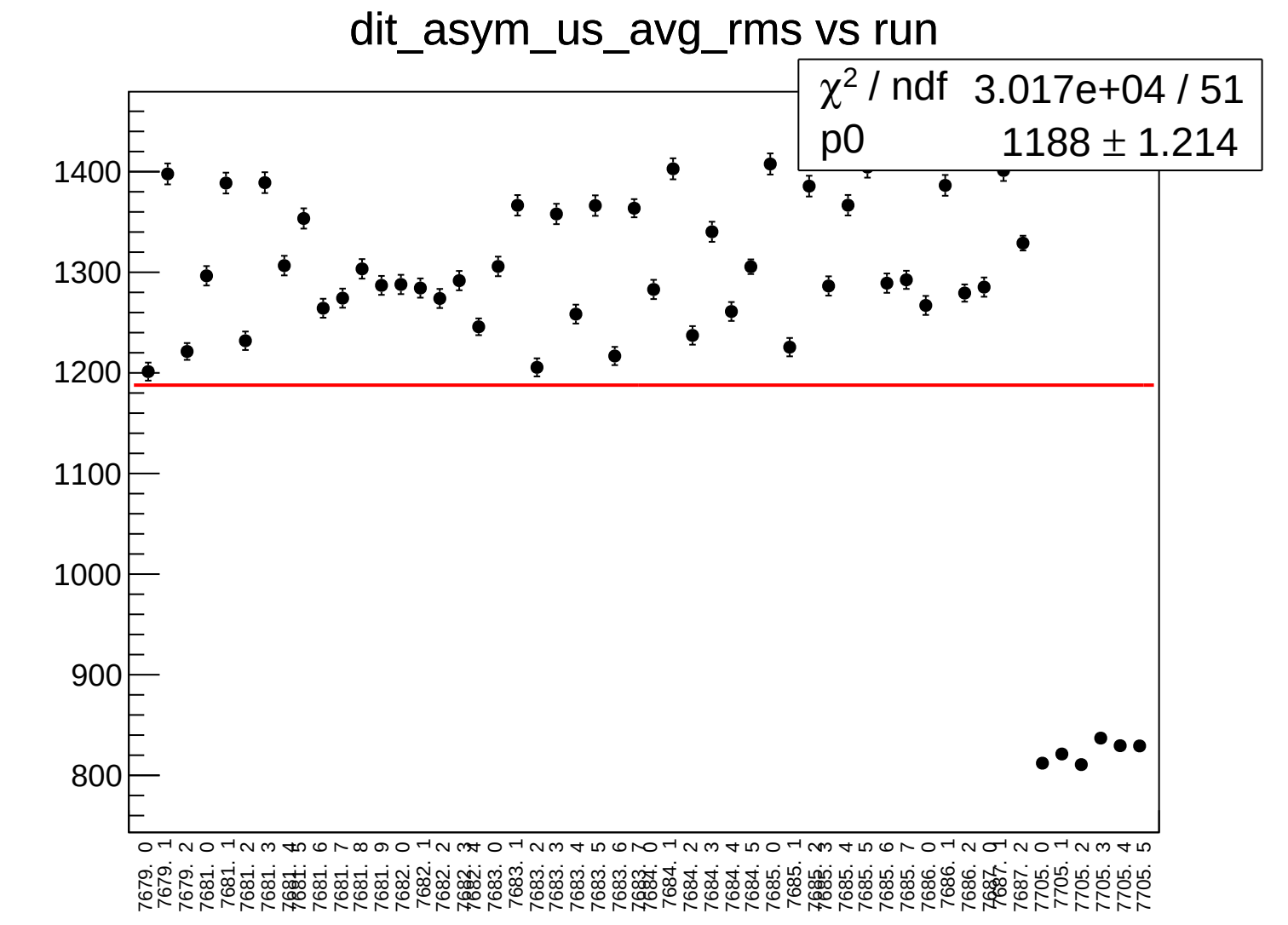
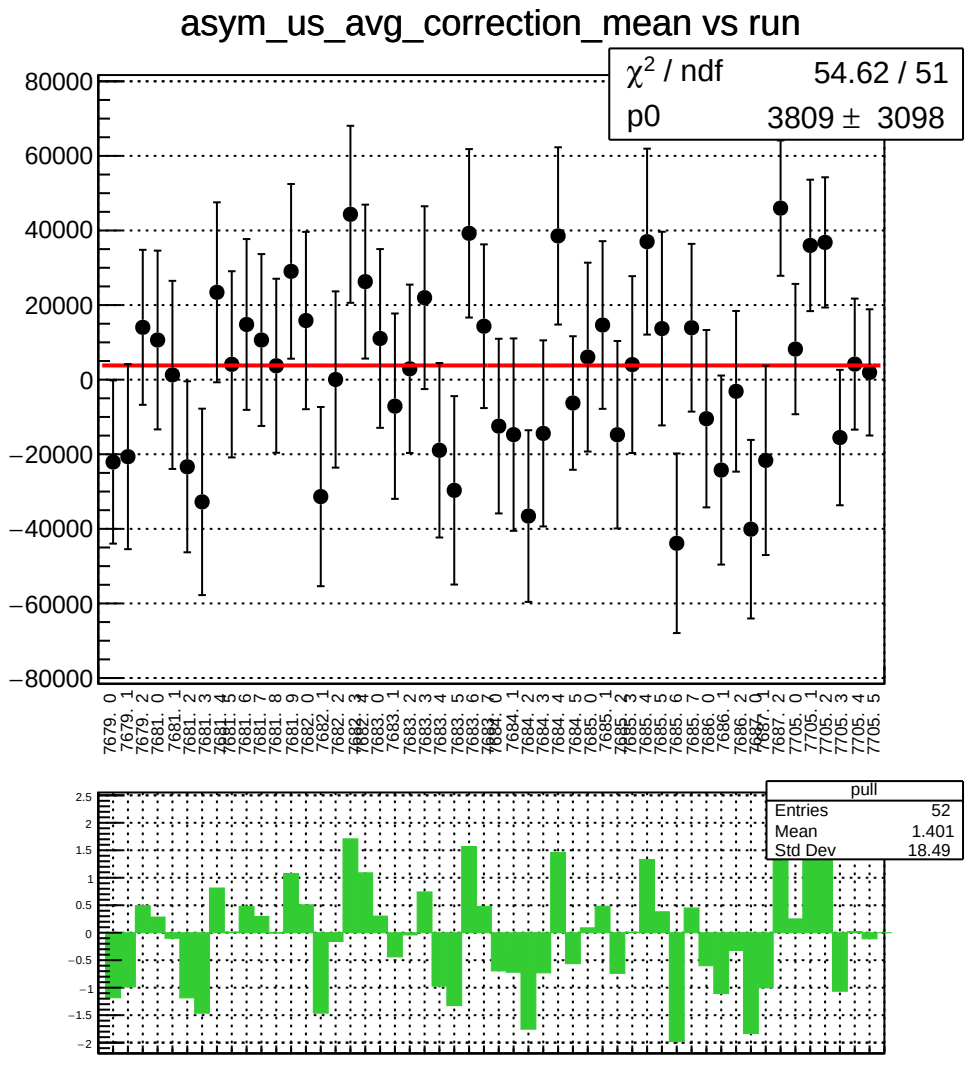
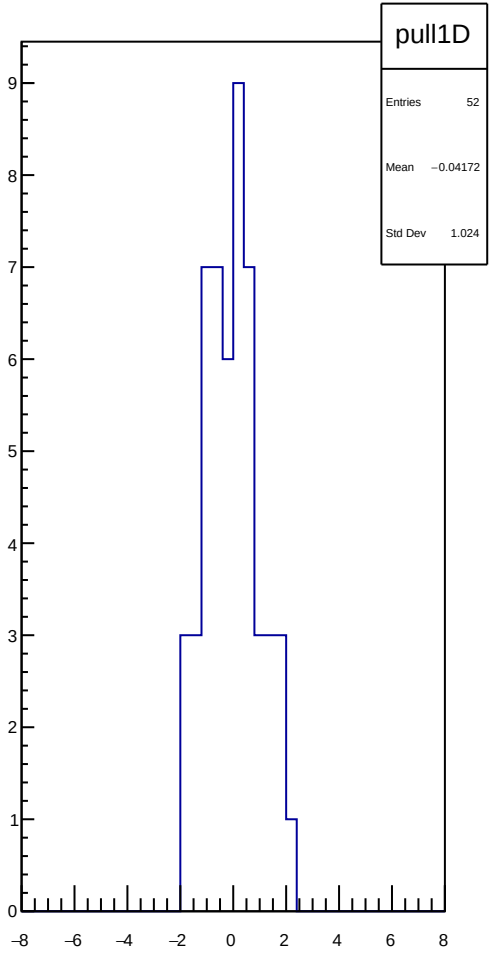
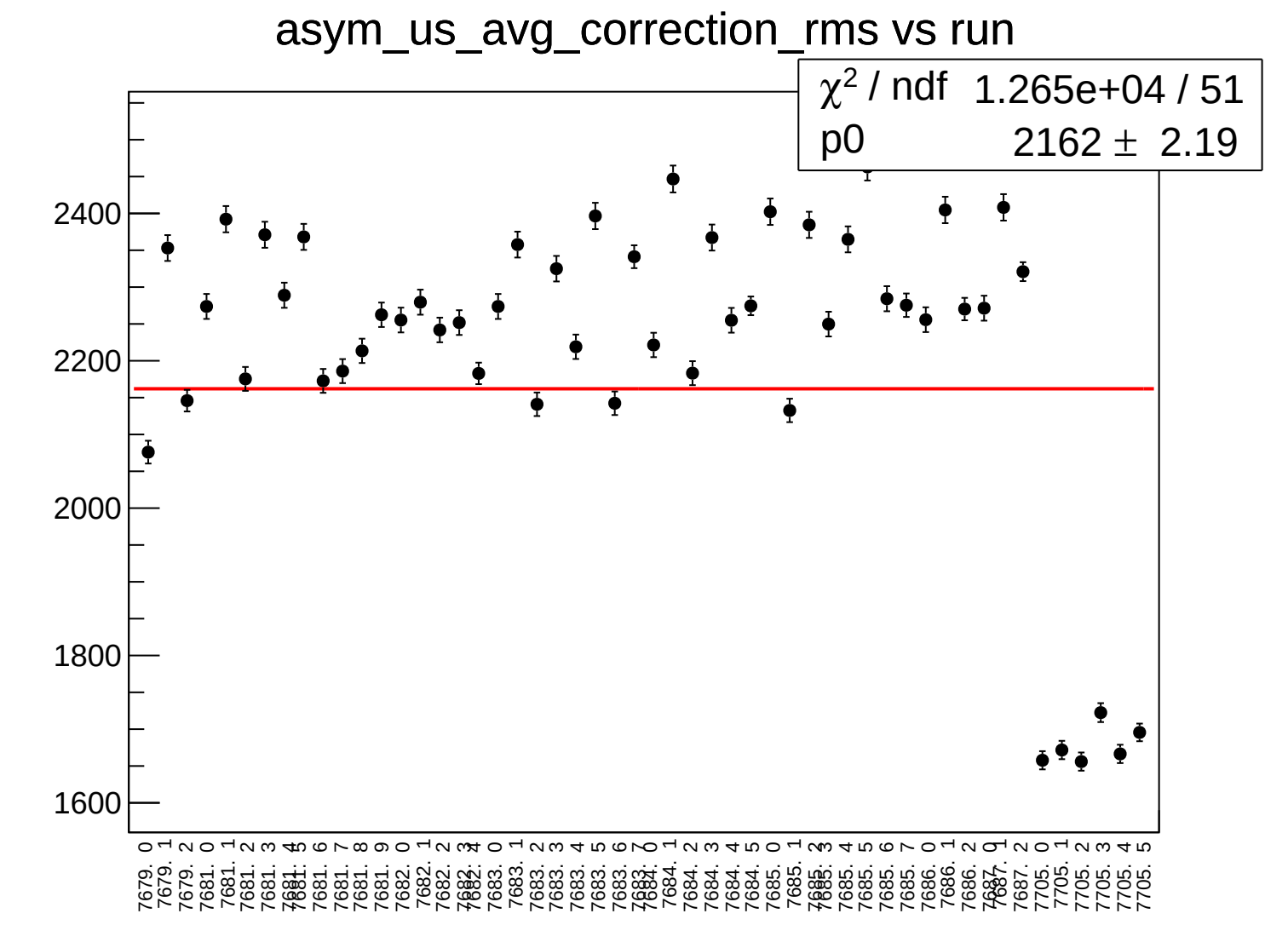

dit_asym_us_avg_mean vs run
χ² / ndf 66.11 / 51
p0 2170 ± 1717
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 249.1
Std Dev 226.9
3
2
1
0
−1
−2
−3

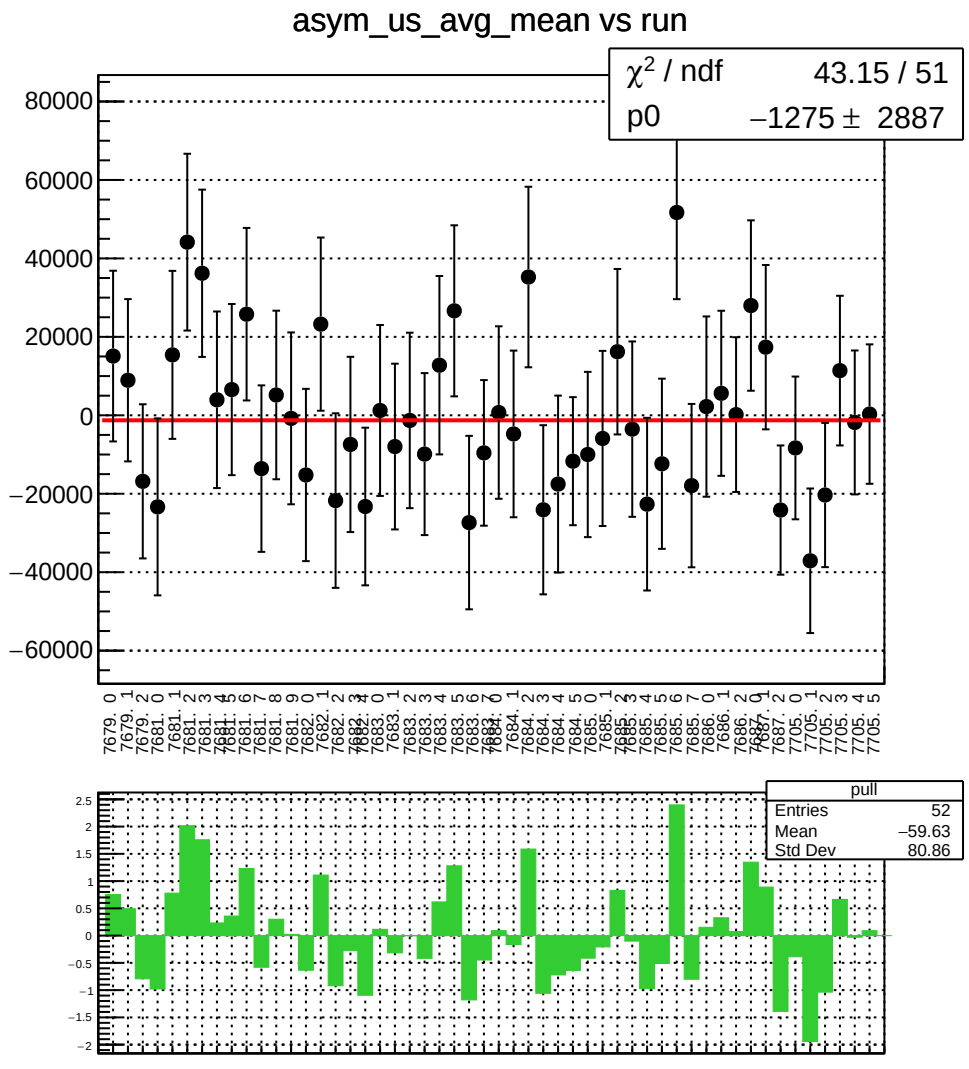

pull1D
Entries 52
Mean −0.01068
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

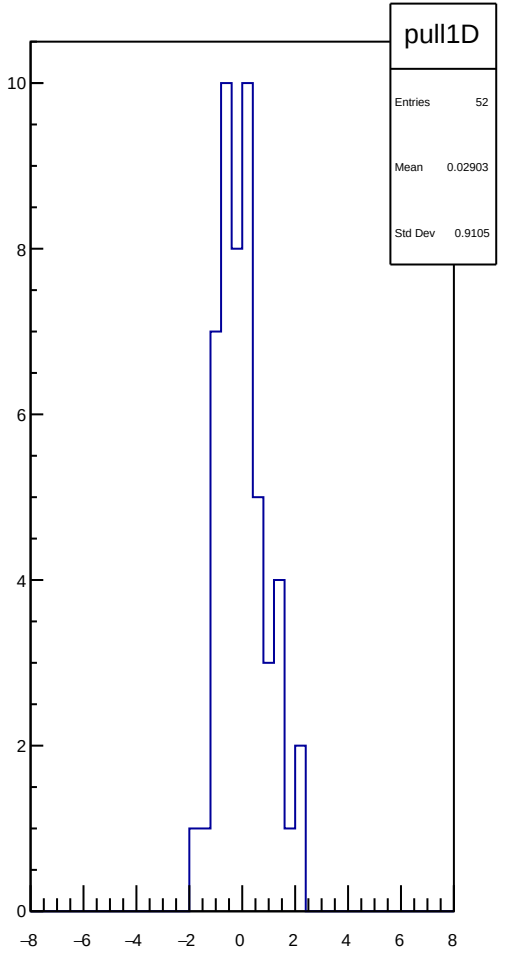

dit_asym_us_avg_rms vs run
χ² / ndf 3.017e+04 / 51
p0 1188 ± 1.214
1400
1300
1200
1100
1000
900
800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

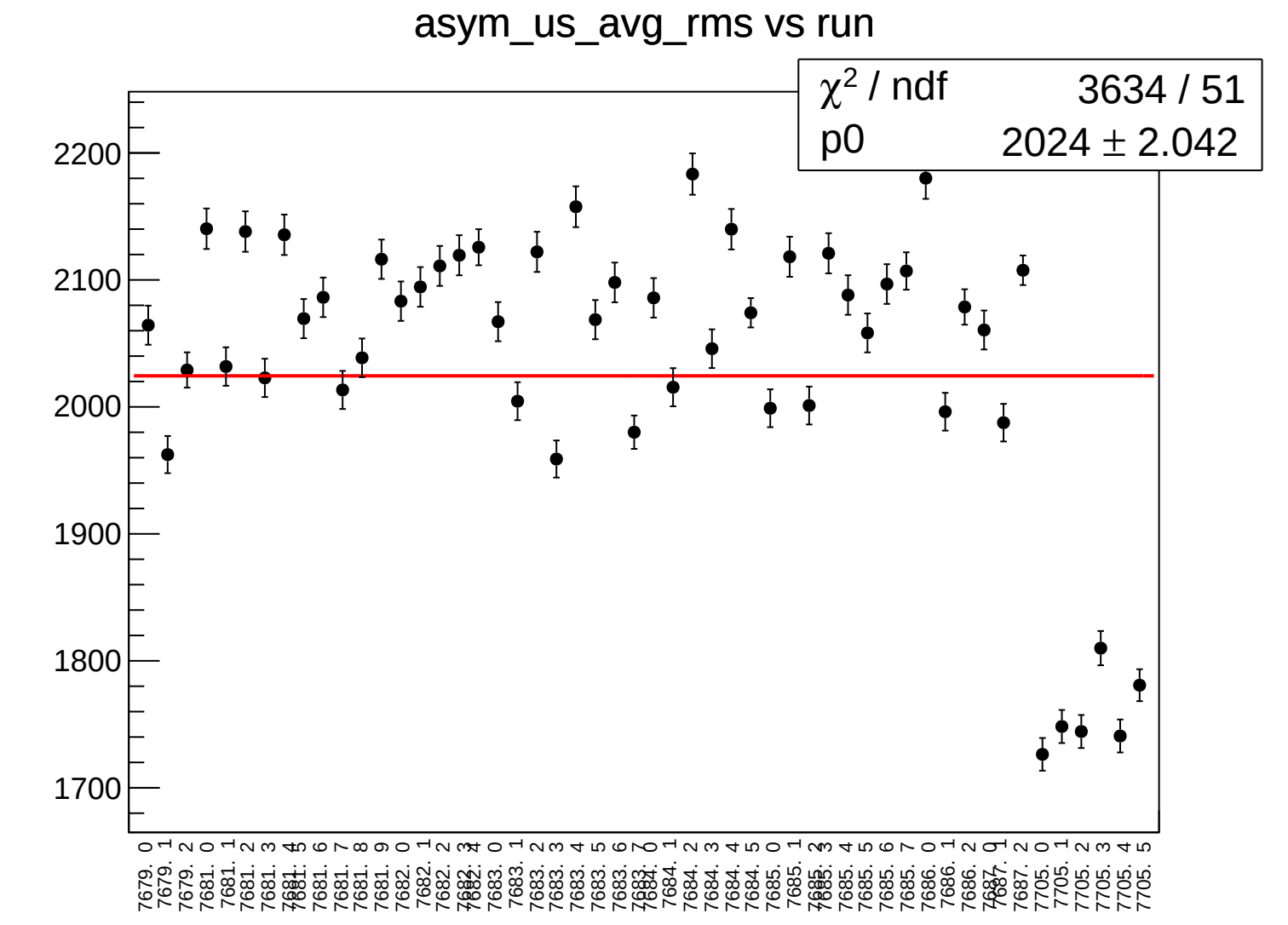

asym_us_avg_correction_mean vs run
χ² / ndf 54.62 / 51
p0 3809 ± 3098
pull
Entries 52
Mean 1.401
Std Dev 18.49

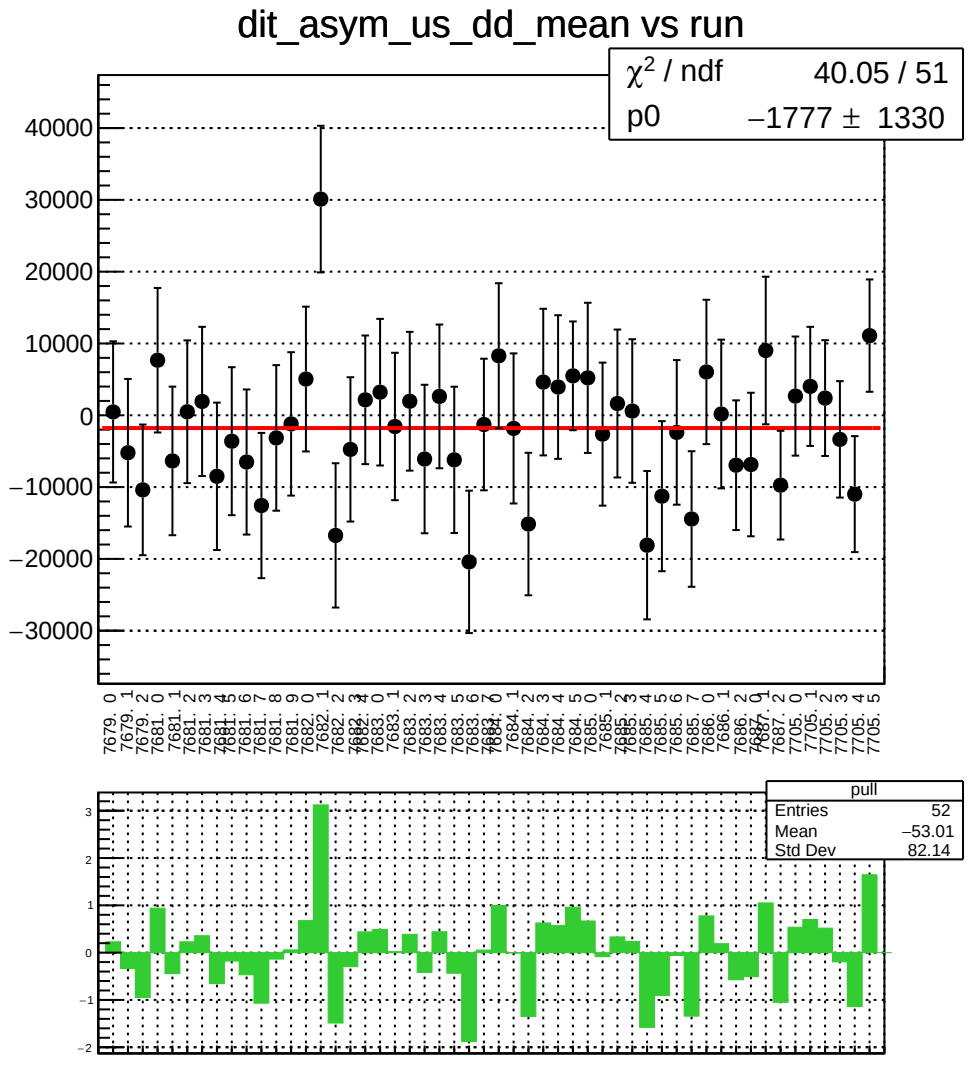

pull1D
Entries 52
Mean −0.04172
Std Dev 1.024

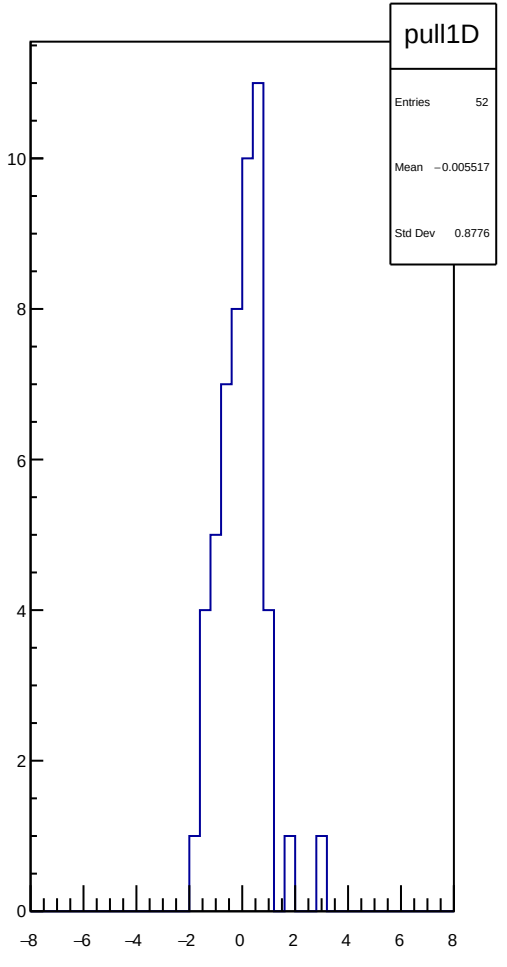

asym_us_avg_correction_rms vs run
χ² / ndf 1.265e+04 / 51
p0 2162 ± 2.19
2400
2200
2000
1800
1600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

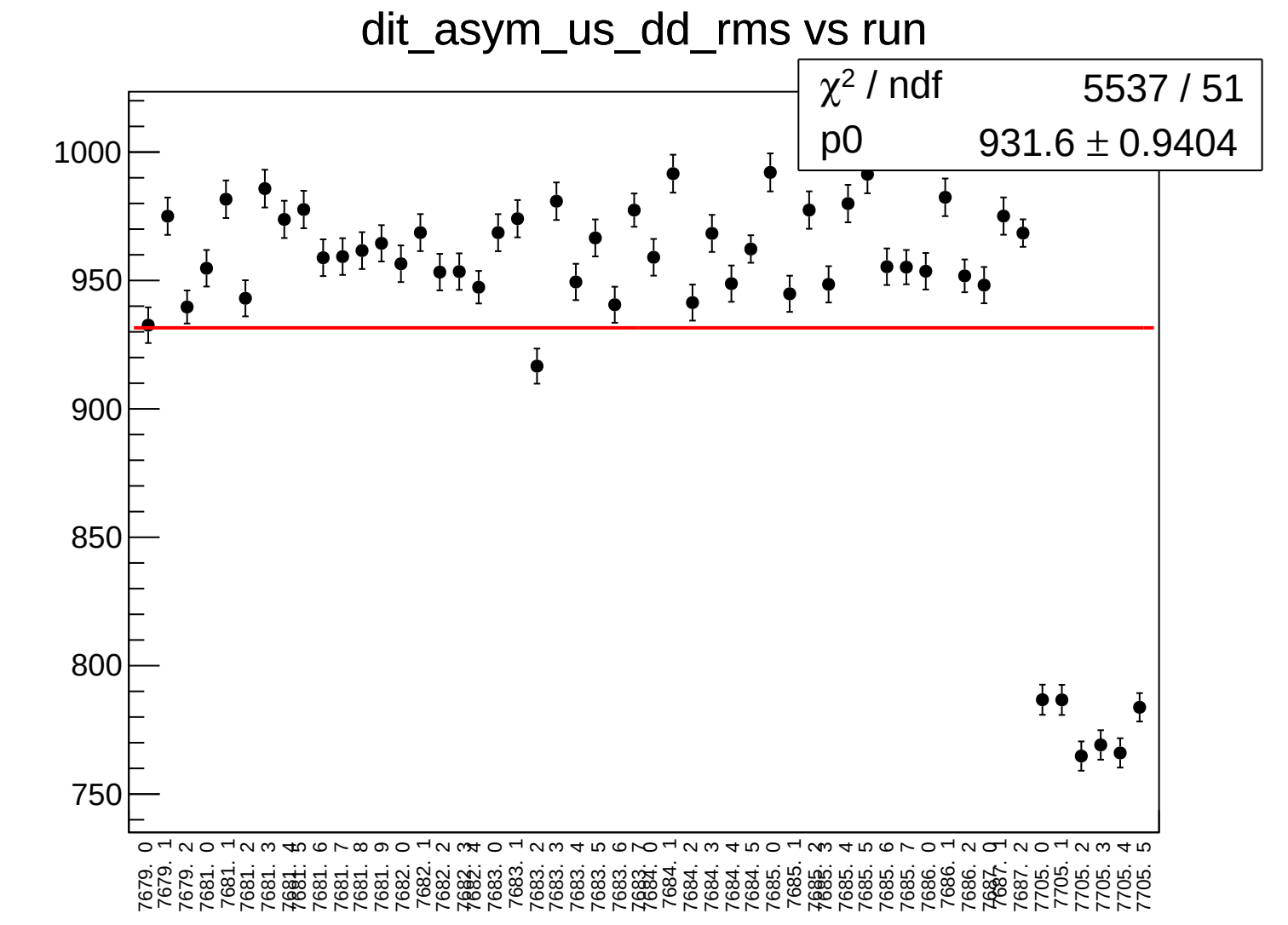

asym_us_avg_mean vs run
χ² / ndf 43.15 / 51
p0 −1275 ± 2887
pull
Entries 52
Mean −59.63
Std Dev 80.86

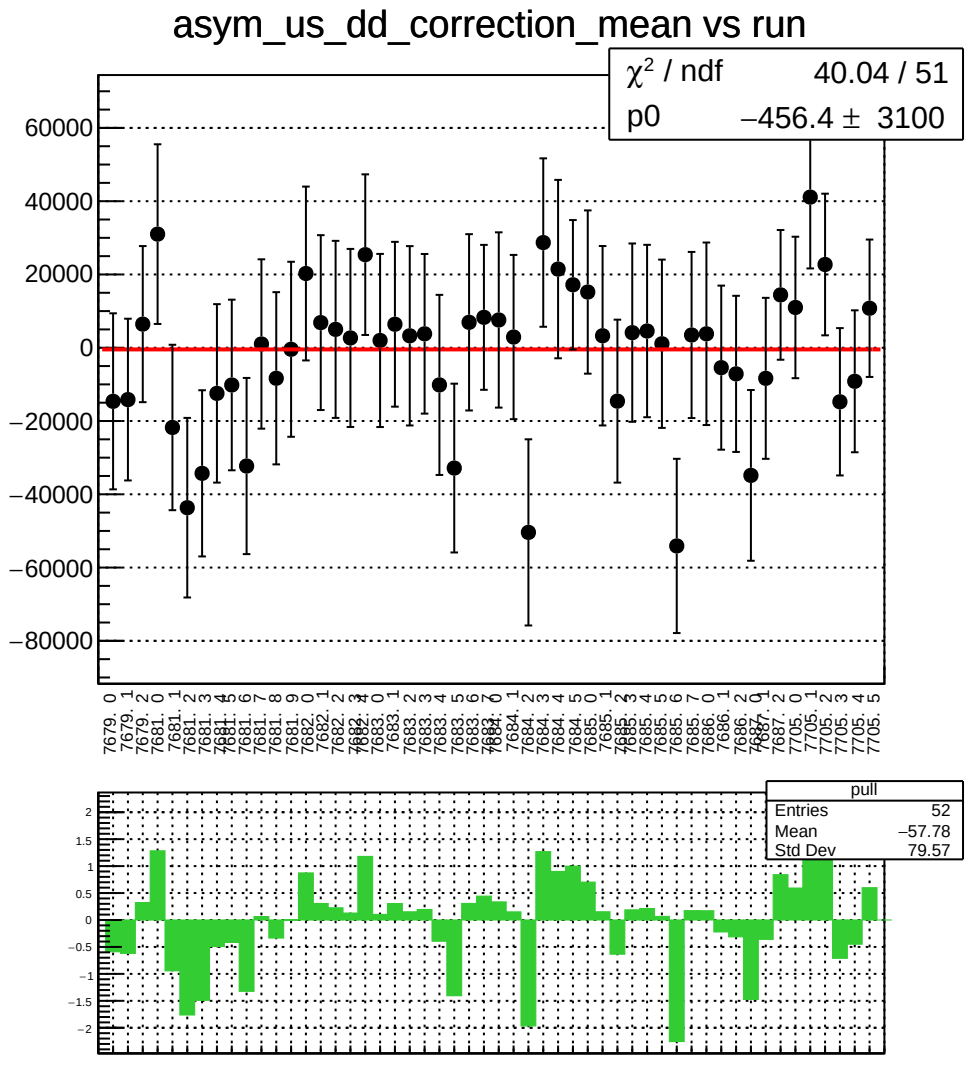

pull1D
Entries 52
Mean 0.02903
Std Dev 0.9105

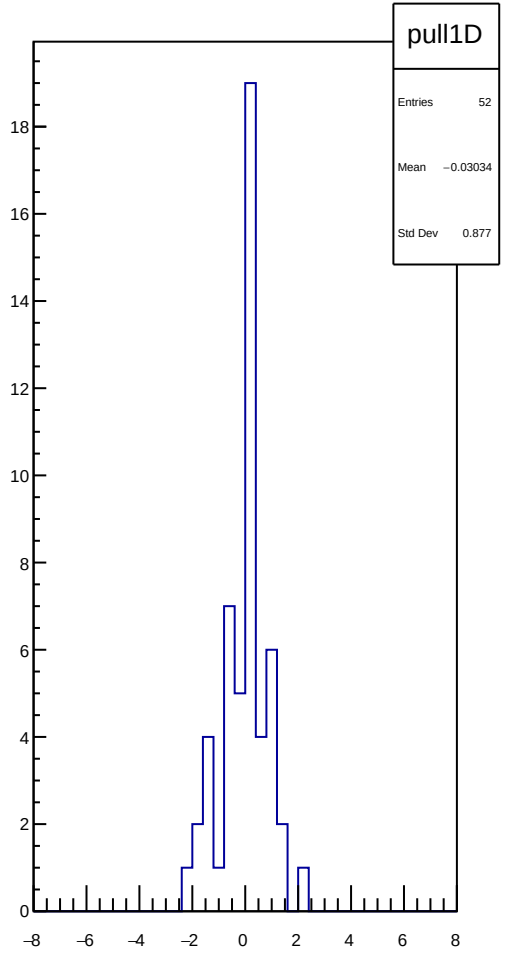

asym_us_avg_rms vs run
χ² / ndf 3634 / 51
p0 2024 ± 2.042
2200
2100
2000
1900
1800
1700
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

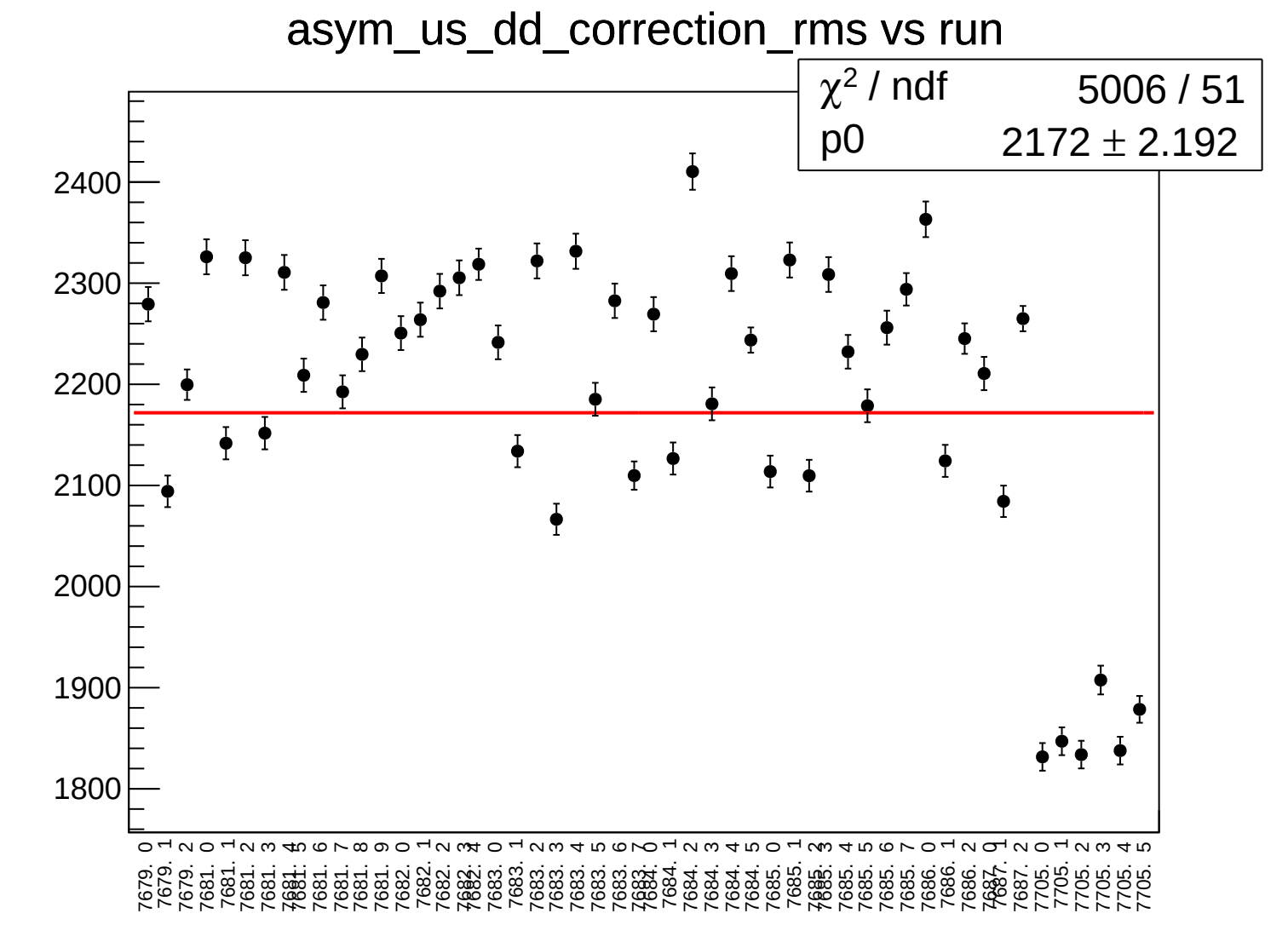

dit_asym_us_dd_mean vs run
χ² / ndf 40.05 / 51
p0 −1777 ± 1330
pull
Entries 52
Mean −53.01
Std Dev 82.14

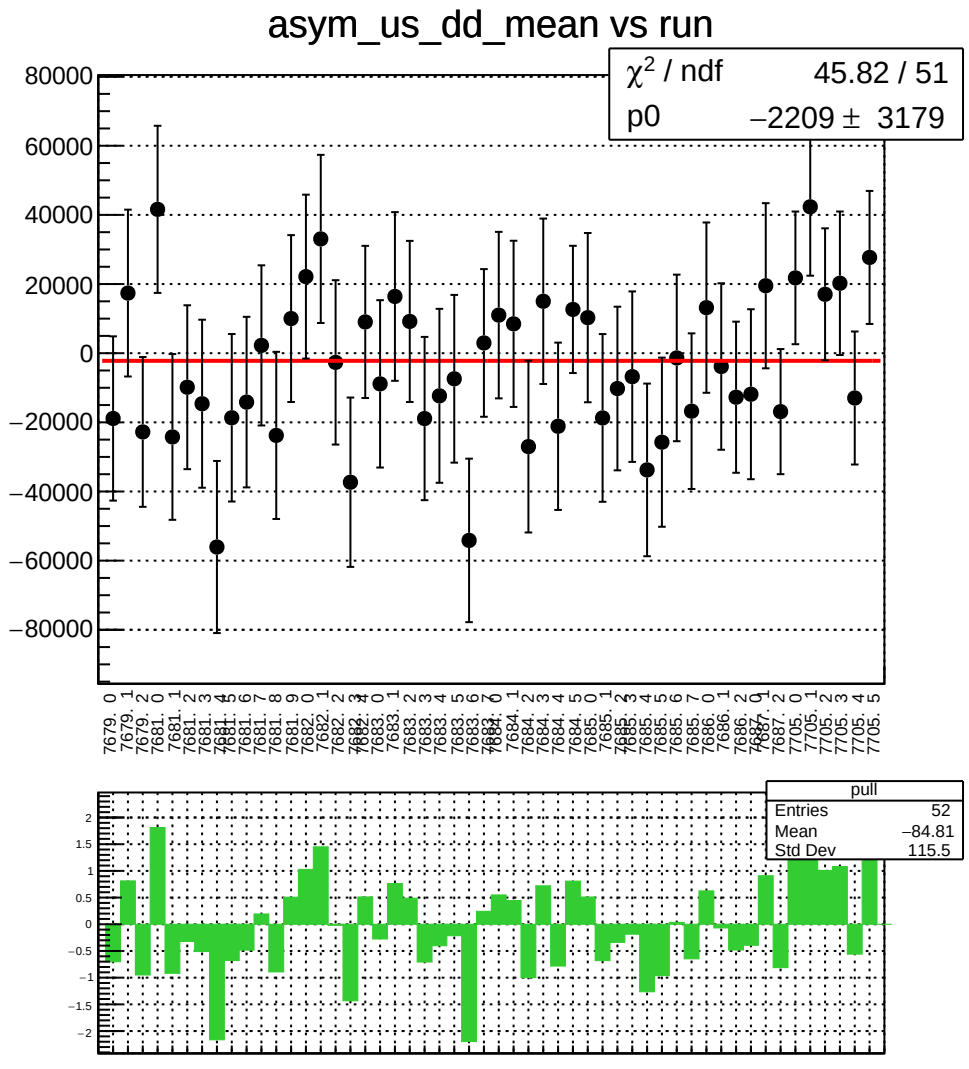

pull1D
Entries 52
Mean −0.005517
Std Dev 0.8776

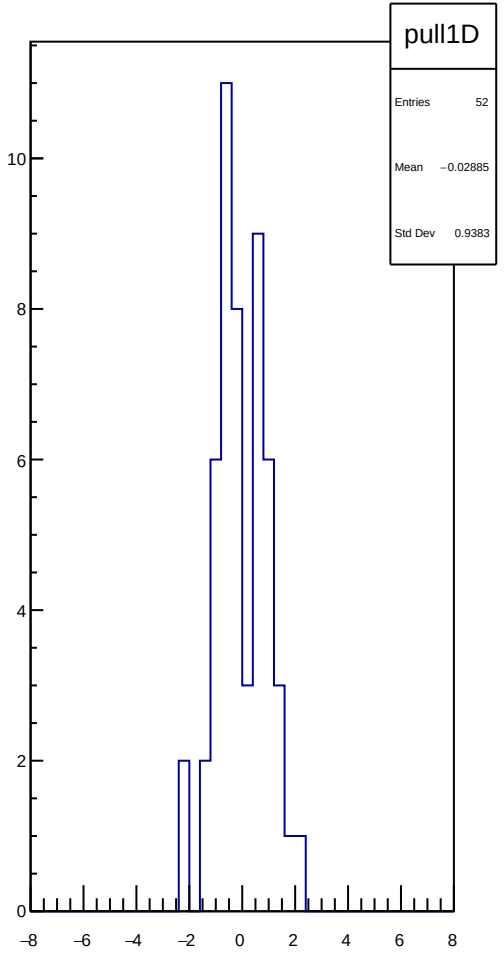

dit_asym_us_dd_rms vs run
χ² / ndf 5537 / 51
p0 931.6 ± 0.9404
1000
950
900
850
800
750
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

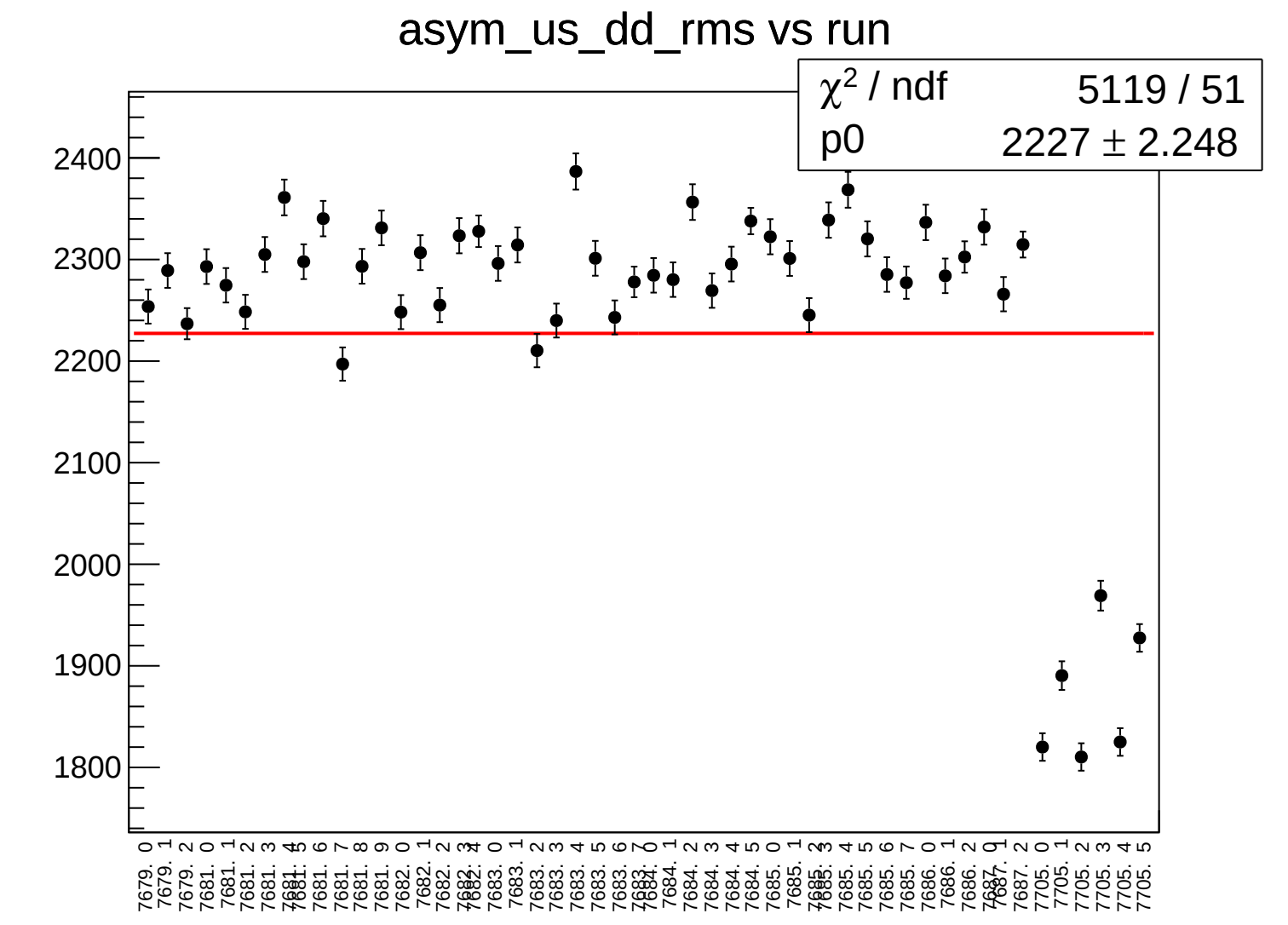

asym_us_dd_correction_mean vs run
χ² / ndf 40.04 / 51
p0 −456.4 ± 3100
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −57.78
Std Dev 79.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

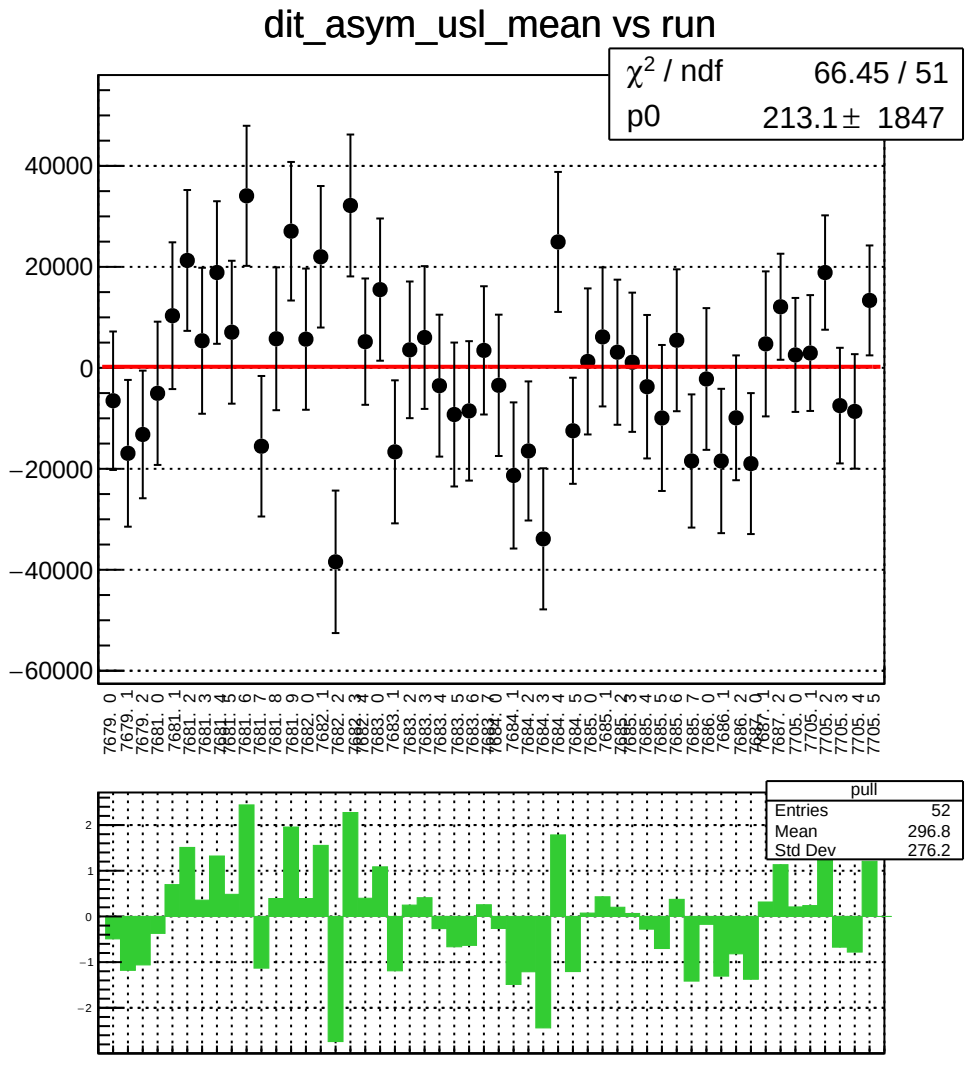

pull1D
Entries 52
Mean −0.03034
Std Dev 0.877
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

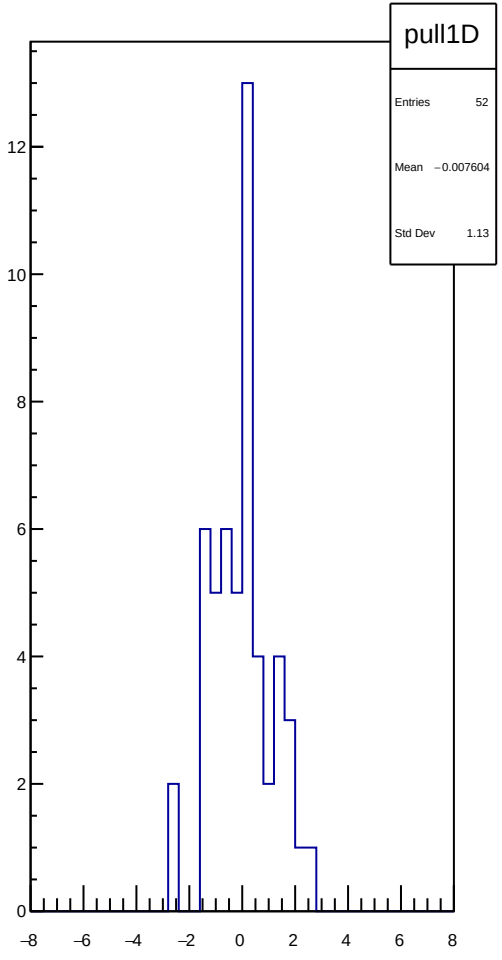

asym_us_dd_correction_rms vs run
χ² / ndf 5006 / 51
p0 2172 ± 2.192
2400
2300
2200
2100
2000
1900
1800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

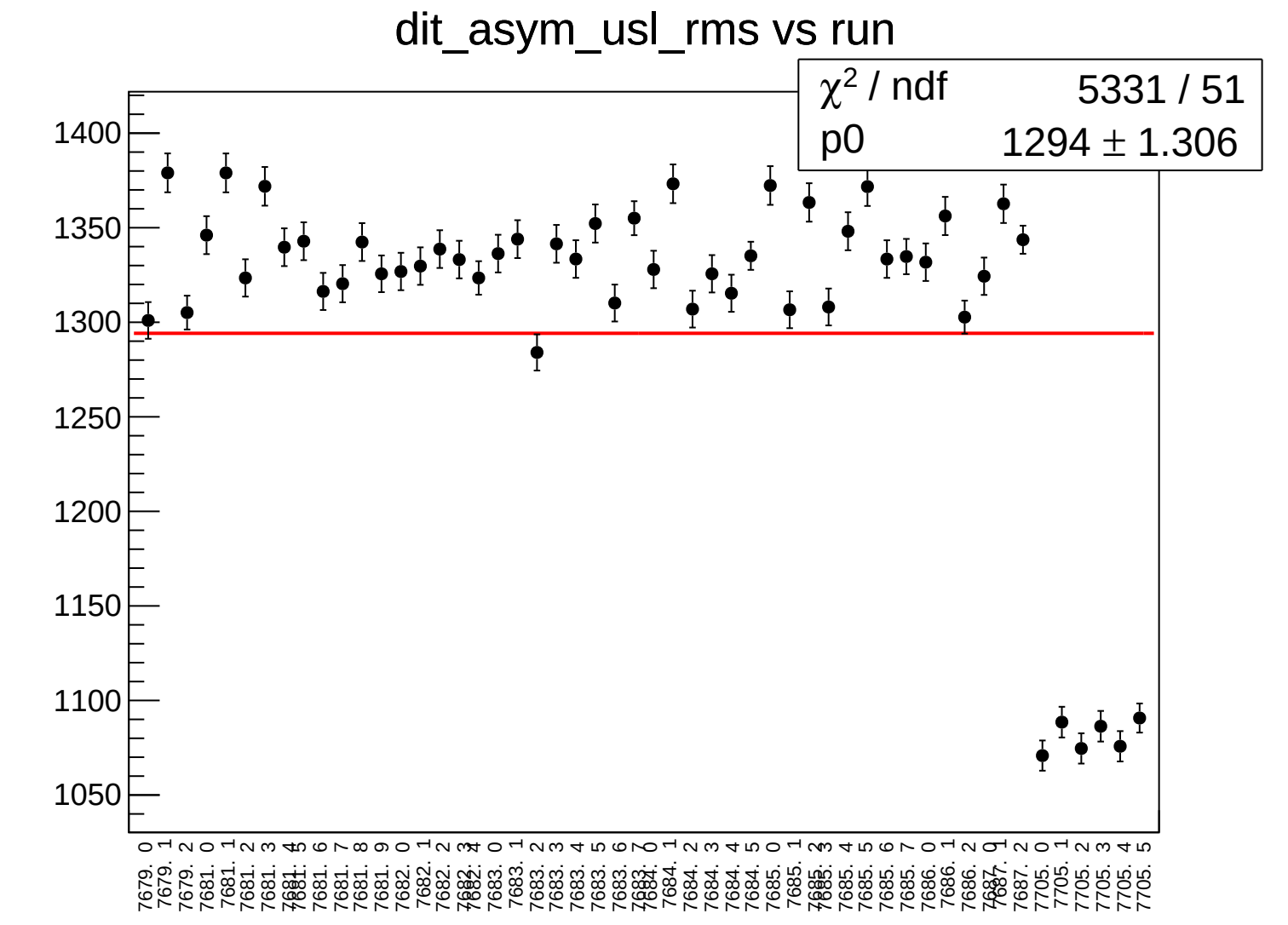

asym_us_dd_mean vs run
χ^2 / ndf 45.82 / 51
p0 −2209 ± 3179
pull
Entries 52
Mean −84.81
Std Dev 115.5

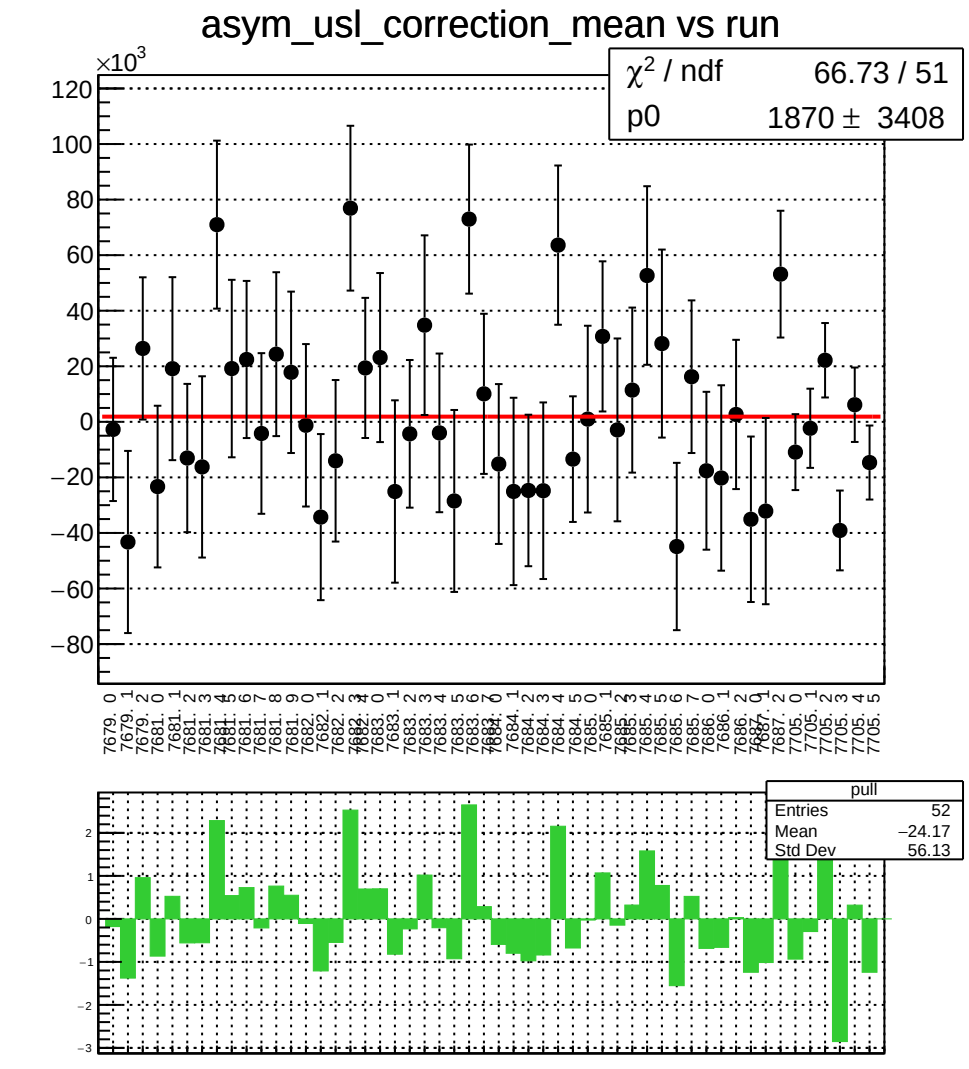

pull1D
Entries 52
Mean −0.02885
Std Dev 0.9383

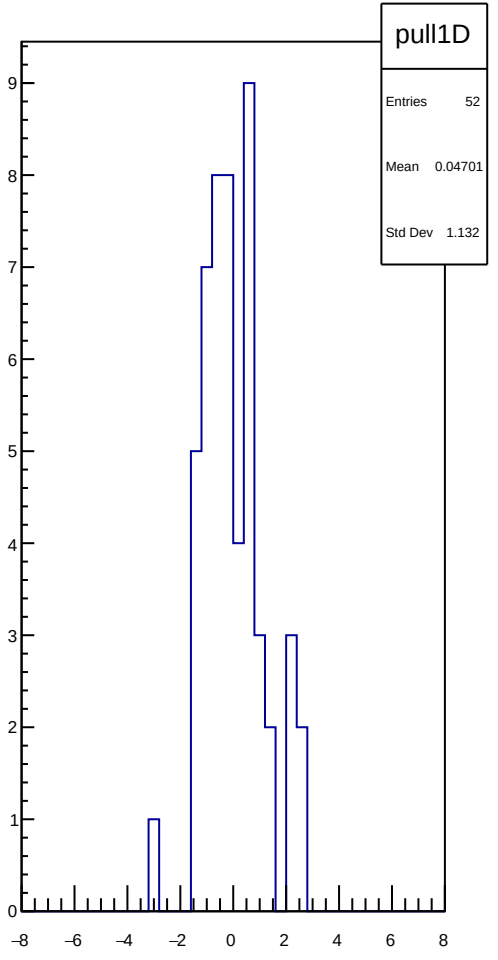

asym_us_dd_rms vs run
χ² / ndf 5119 / 51
p0 2227 ± 2.248
2400
2300
2200
2100
2000
1900
1800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

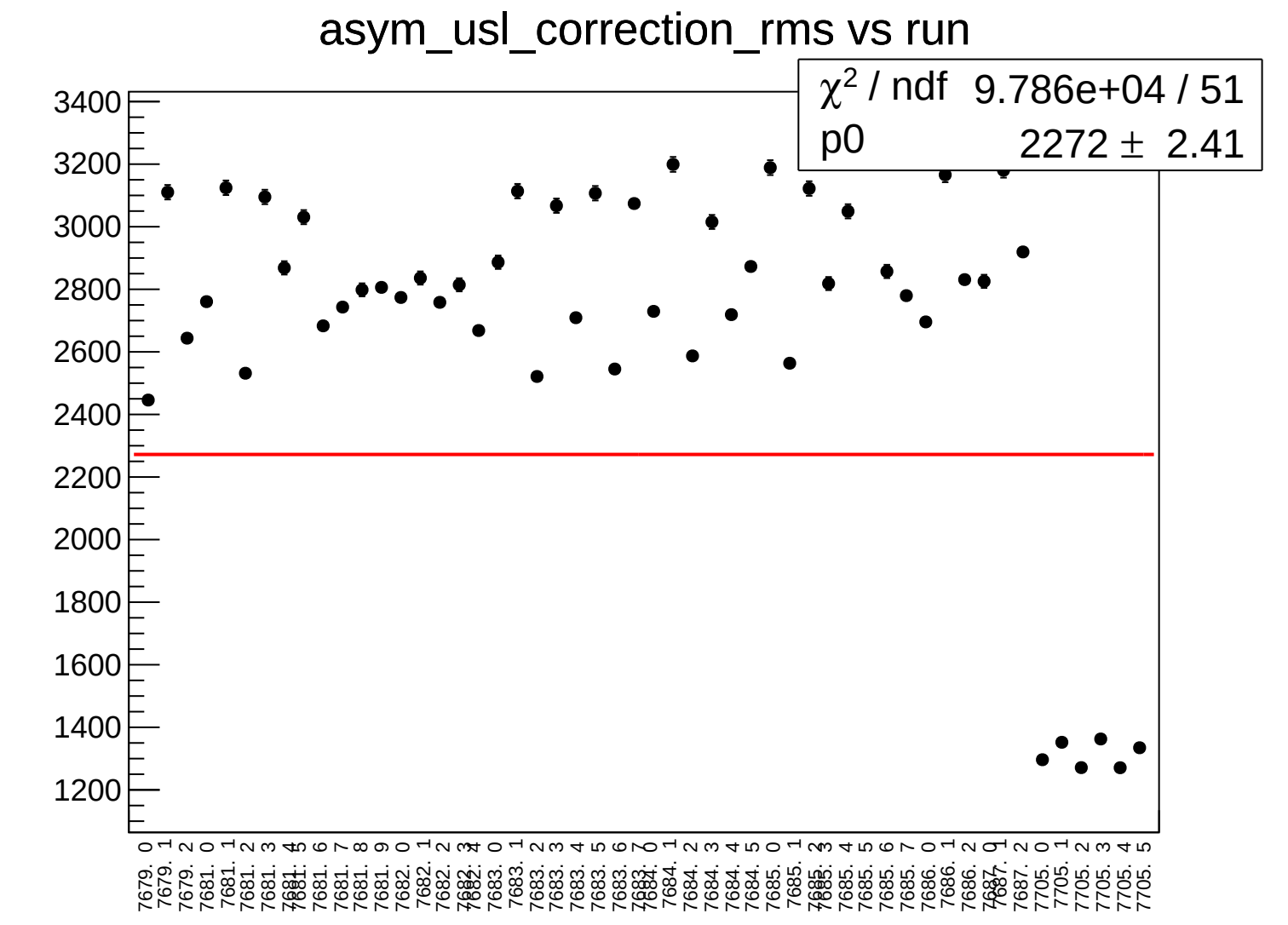

dit_asym_usl_mean vs run
χ^2 / ndf 66.45 / 51
p0 213.1± 1847
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 296.8
Std Dev 276.2
2
1
0
−1
−2

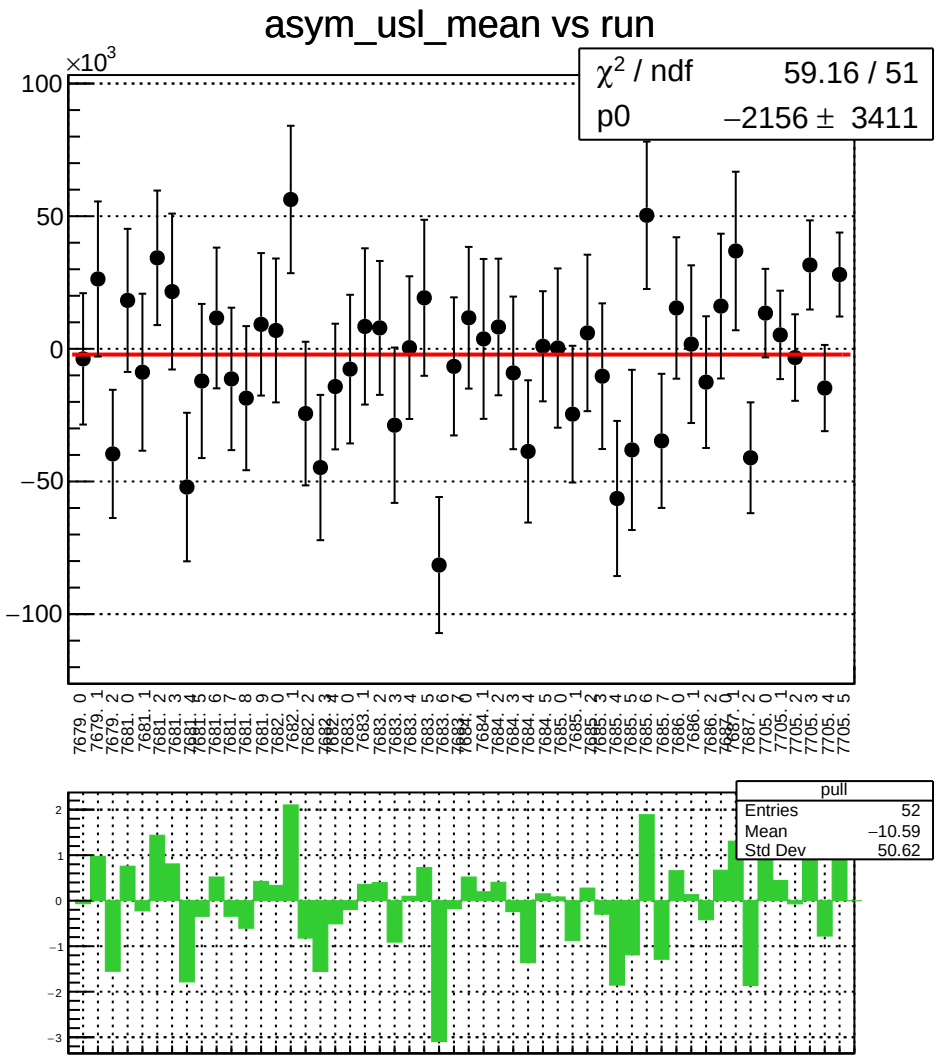

pull1D
Entries 52
Mean −0.007604
Std Dev 1.13
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

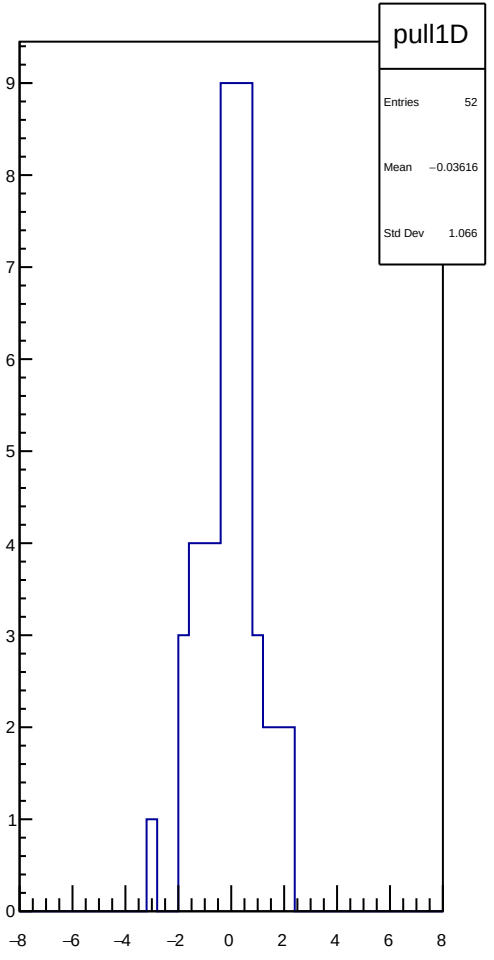

dit_asym_usl_rms vs run
χ² / ndf 5331 / 51
p0 1294 ± 1.306
1400
1350
1300
1250
1200
1150
1100
1050

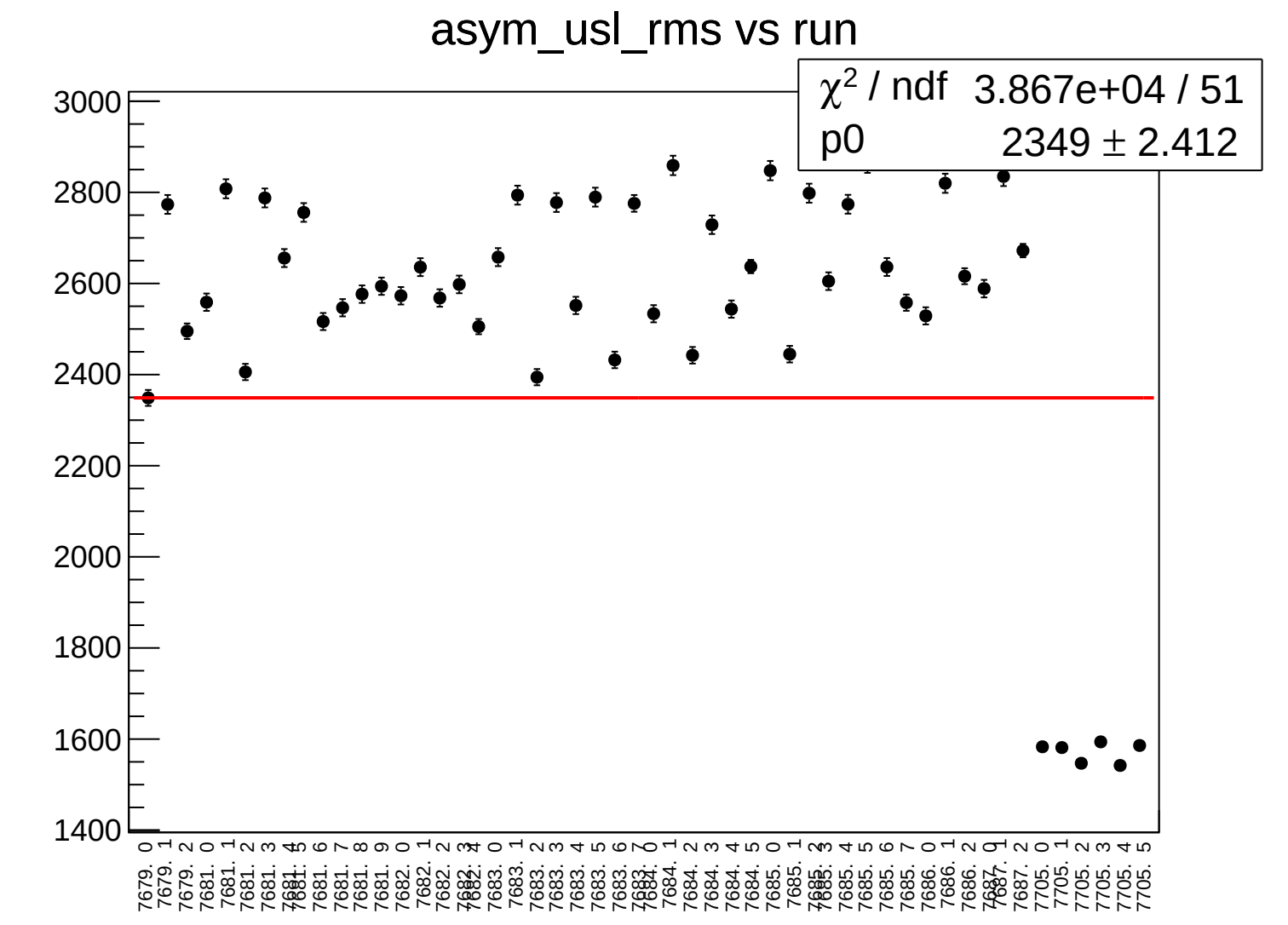

asym_usl_correction_mean vs run
×10^3
χ² / ndf 66.73 / 51
p0 1870 ± 3408
pull
Entries 52
Mean −24.17
Std Dev 56.13

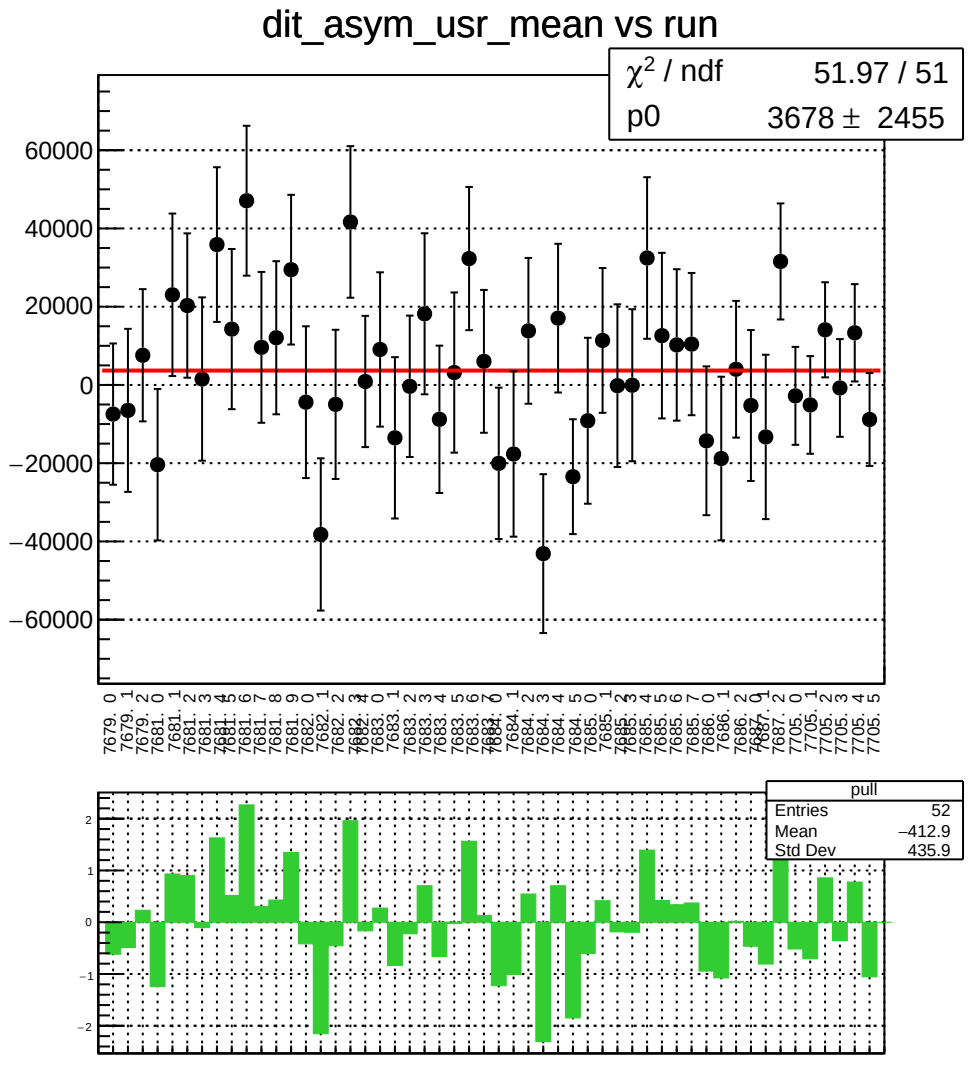

pull1D
Entries 52
Mean 0.04701
Std Dev 1.132

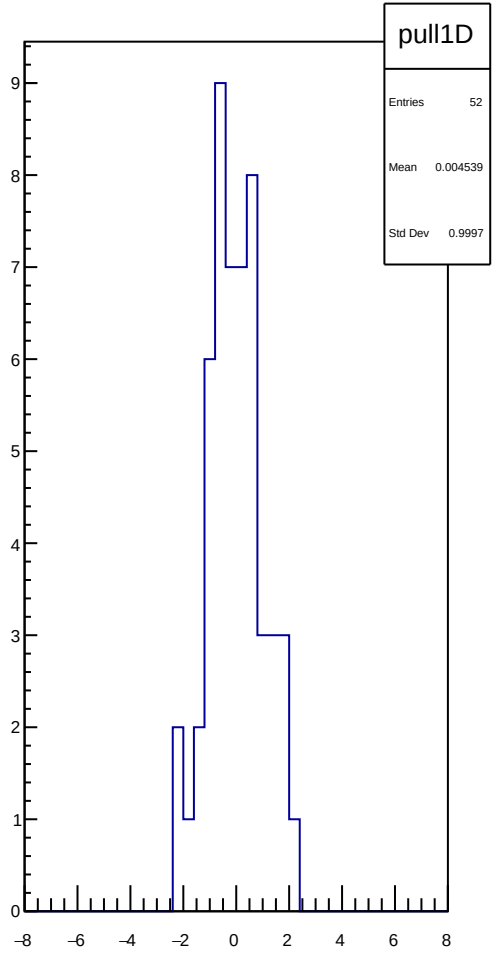

asym_usl_correction_rms vs run
χ² / ndf 9.786e+04 / 51
p0 2272 ± 2.41
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

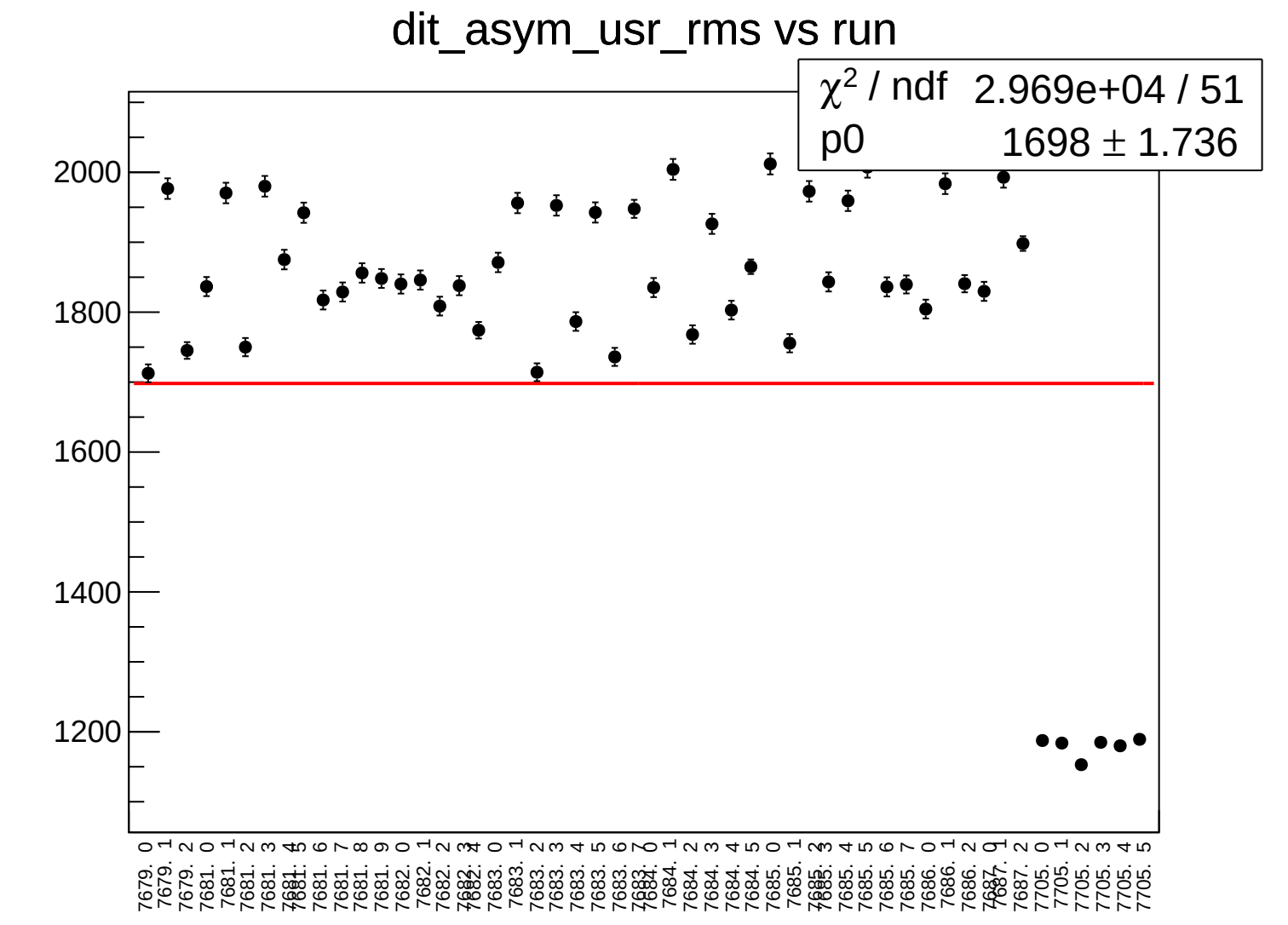

asym_usl_mean vs run
×10^3
χ² / ndf 59.16 / 51
p0 −2156 ± 3411
100
50
0
−50
−100
pull
Entries 52
Mean −10.59
Std Dev 50.62
2
1
0
−1
−2
−3

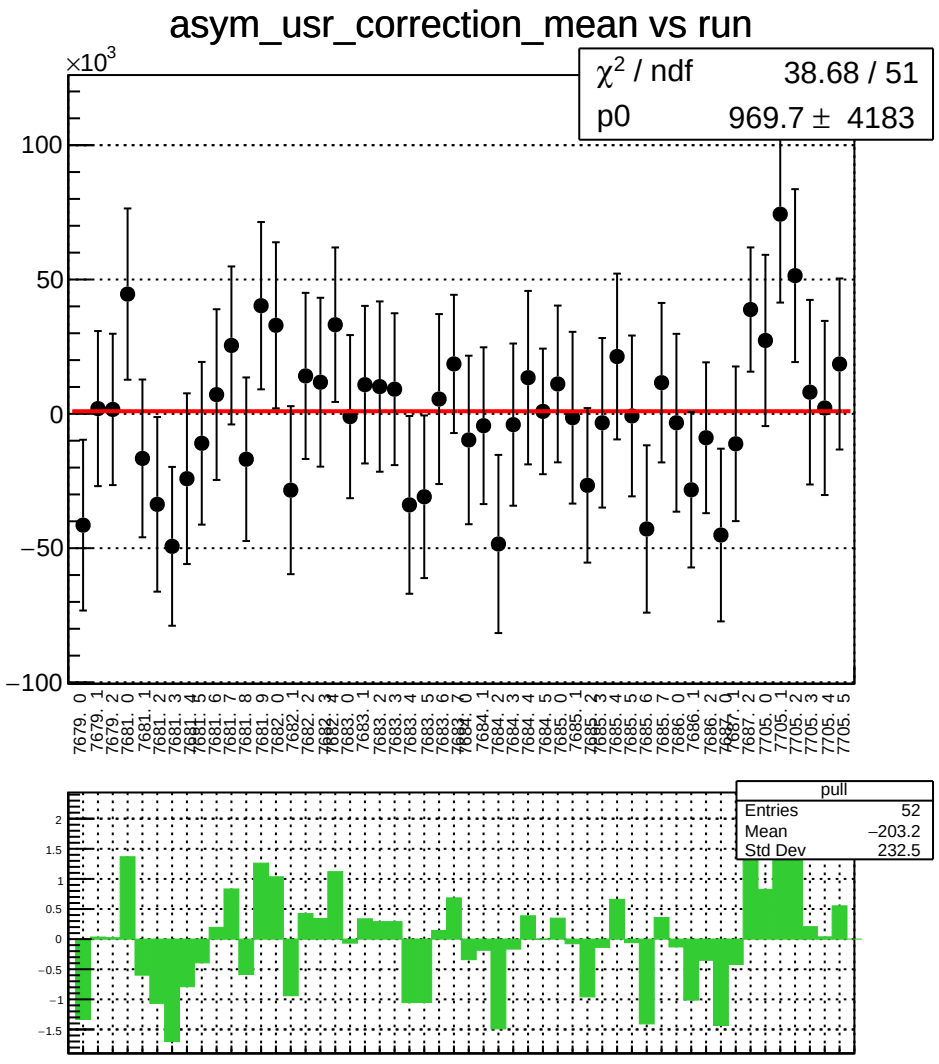

pull1D
Entries 52
Mean −0.03616
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

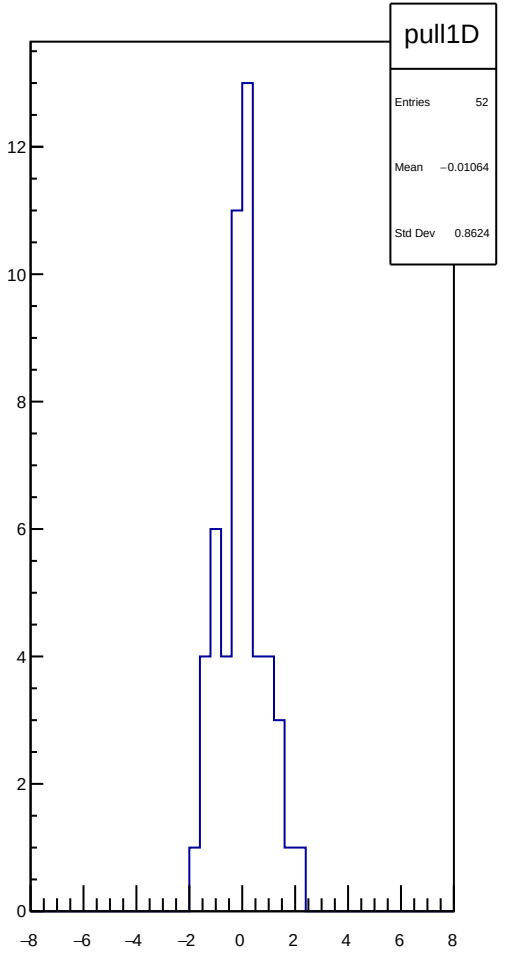

asym_usl_rms vs run
χ² / ndf 3.867e+04 / 51
p0 2349 ± 2.412
3000
2800
2600
2400
2200
2000
1800
1600
1400
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

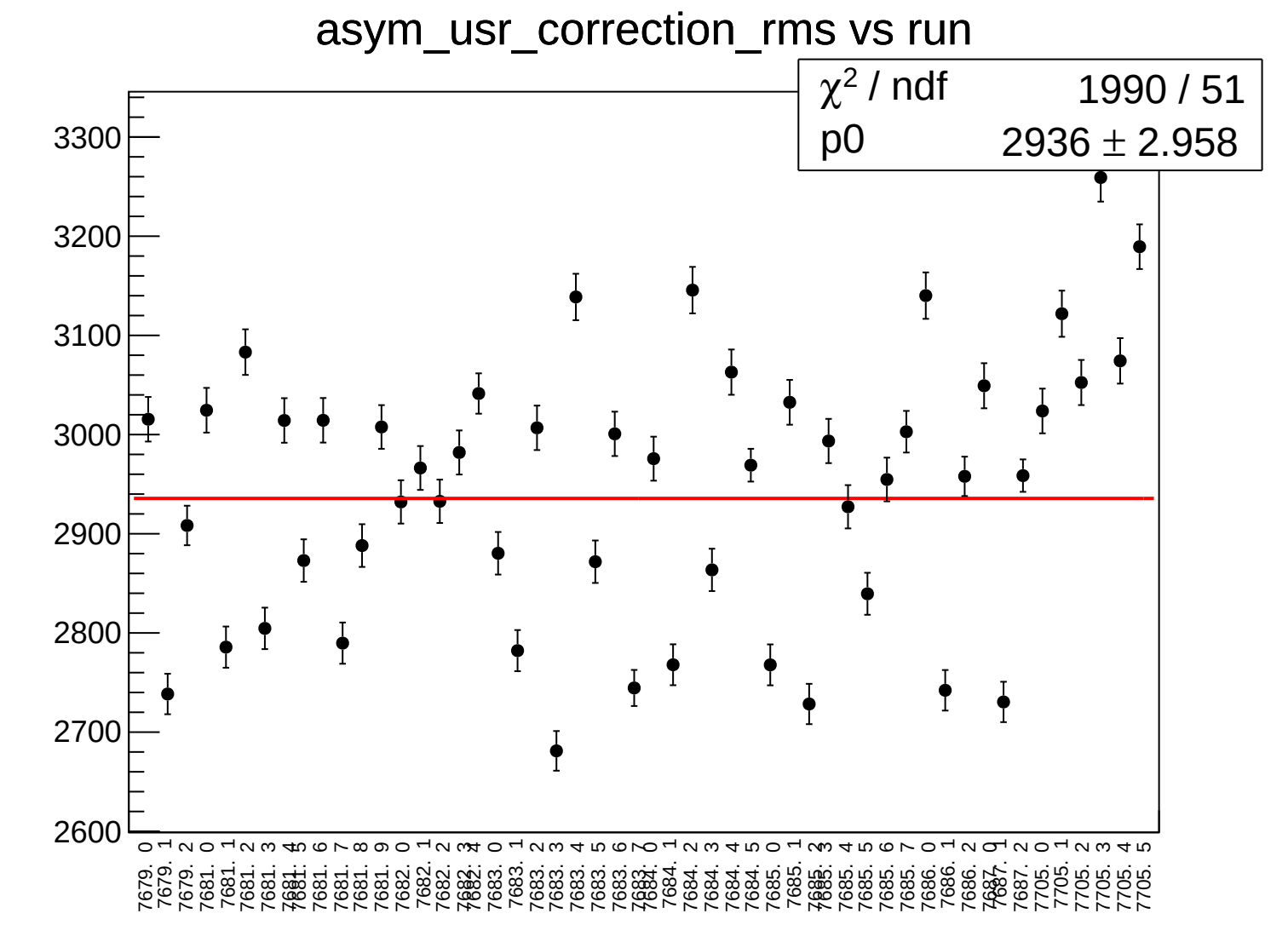

dit_asym_usr_mean vs run
χ^2 / ndf 51.97 / 51
p0 3678 ± 2455
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −412.9
Std Dev 435.9
2
1
0
−1
−2

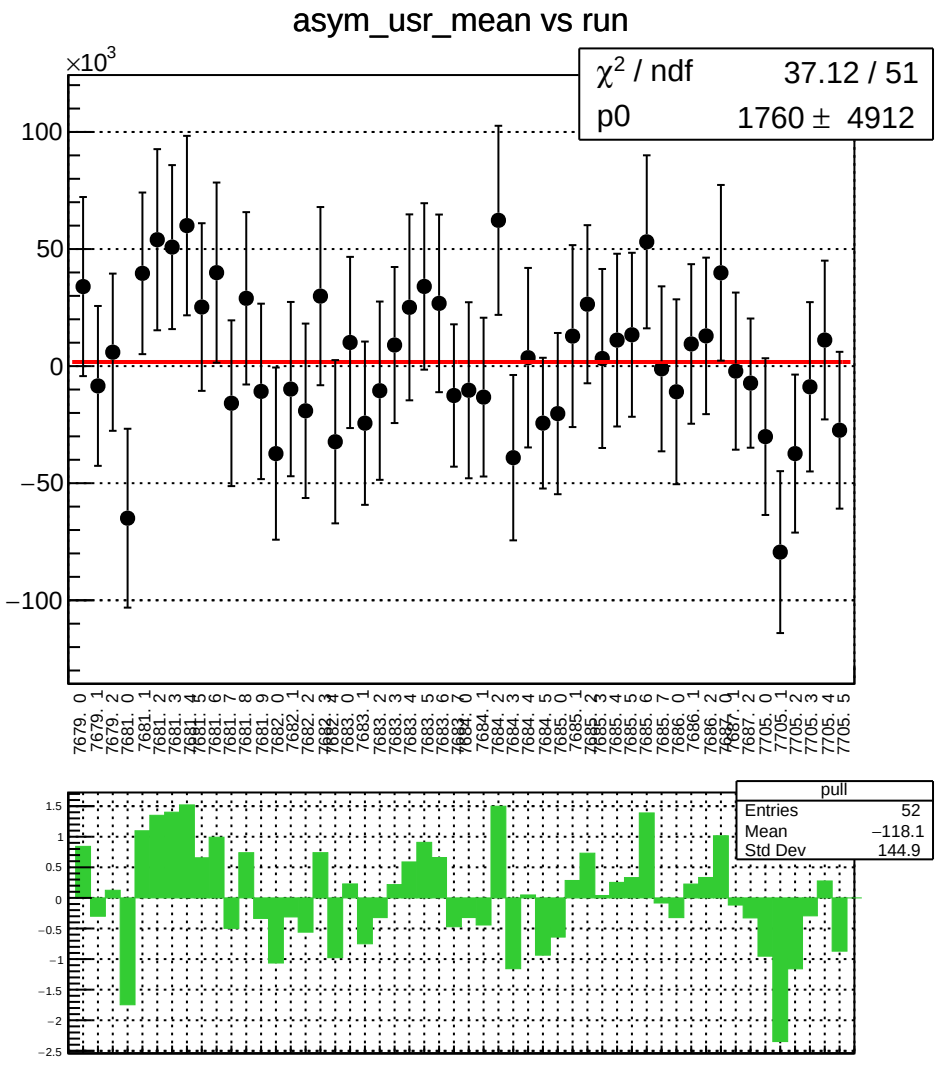

pull1D
Entries 52
Mean 0.004539
Std Dev 0.9997
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

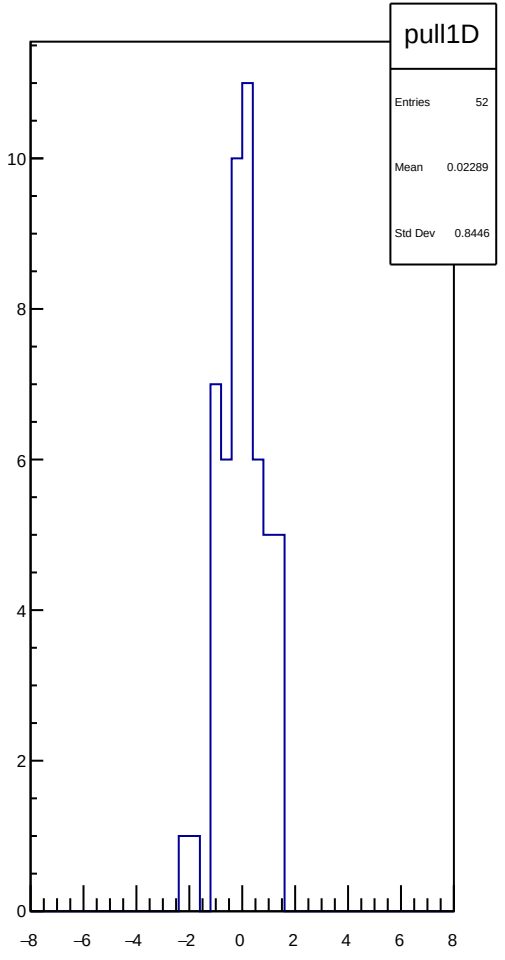

dit_asym_usr_rms vs run
χ² / ndf 2.969e+04 / 51
p0 1698 ± 1.736
2000
1800
1600
1400
1200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

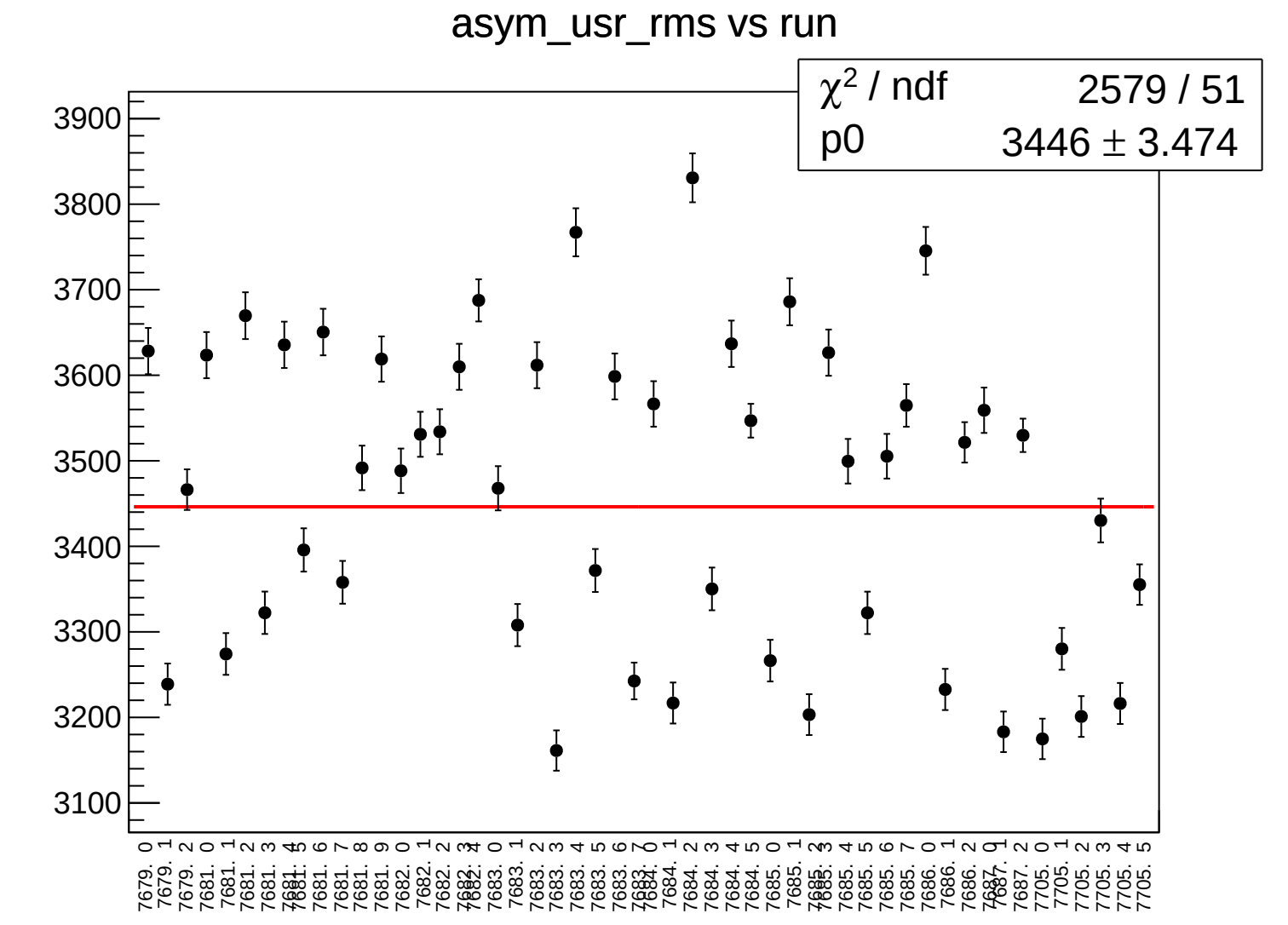

asym_usr_correction_mean vs run
×10^3
χ² / ndf 38.68 / 51
p0 969.7 ± 4183
100
50
0
−50
−100
pull
Entries 52
Mean −203.2
Std Dev 232.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

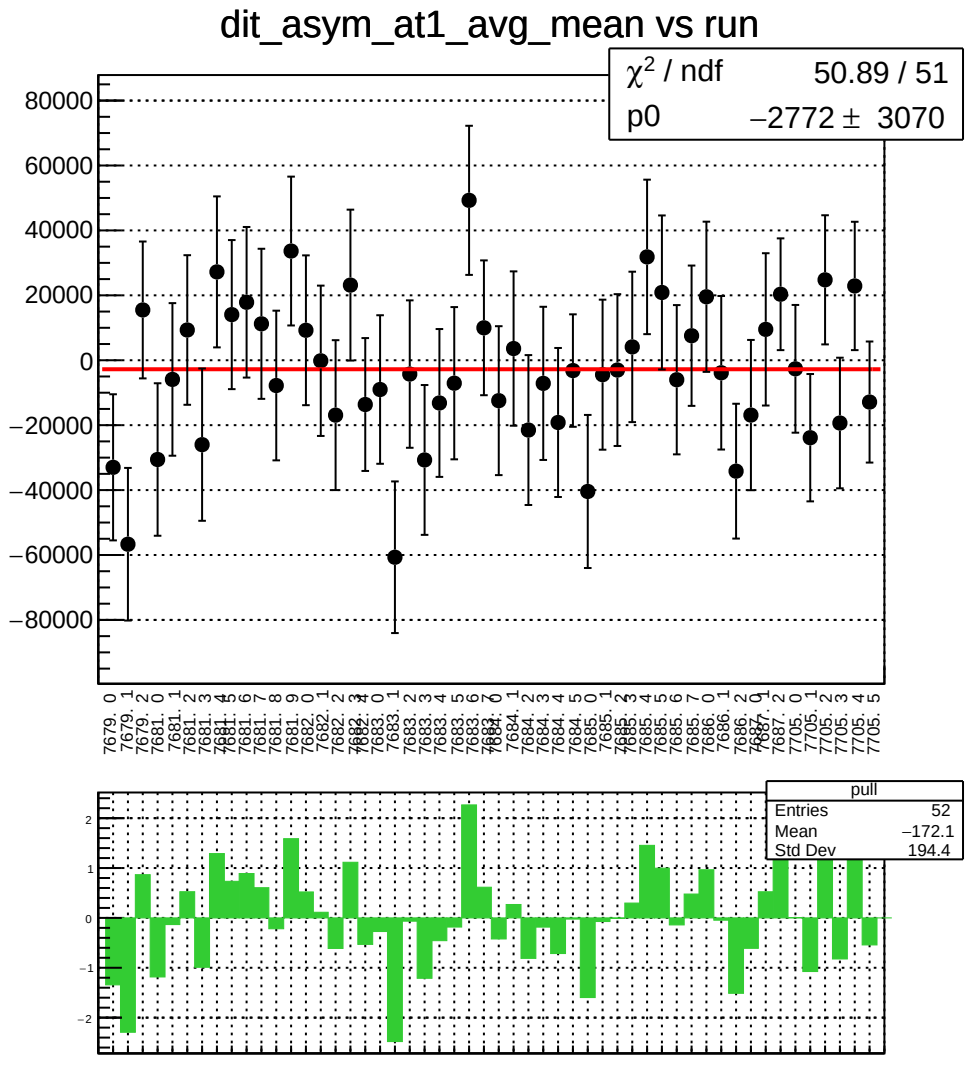

pull1D
Entries 52
Mean −0.01064
Std Dev 0.8624
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

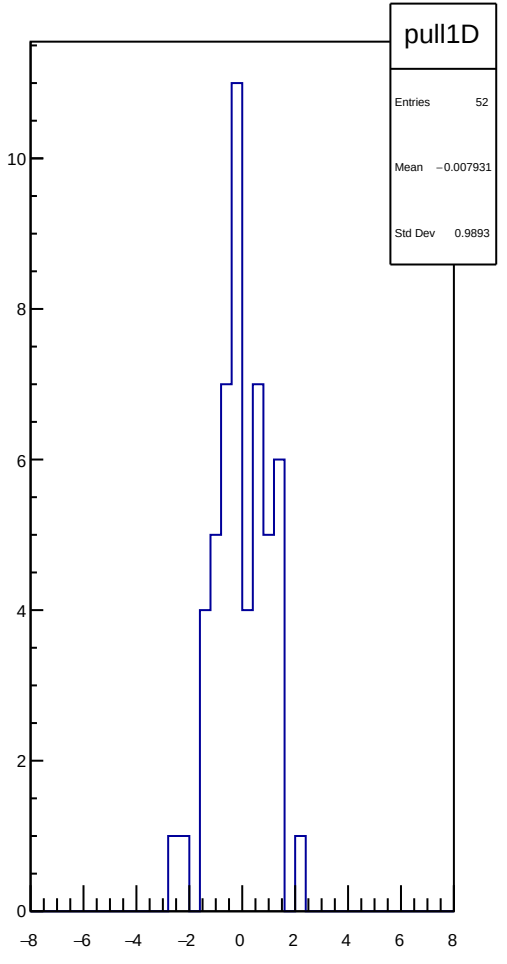

asym_usr_correction_rms vs run
χ² / ndf 1990 / 51
p0 2936 ± 2.958
3300
3200
3100
3000
2900
2800
2700
2600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

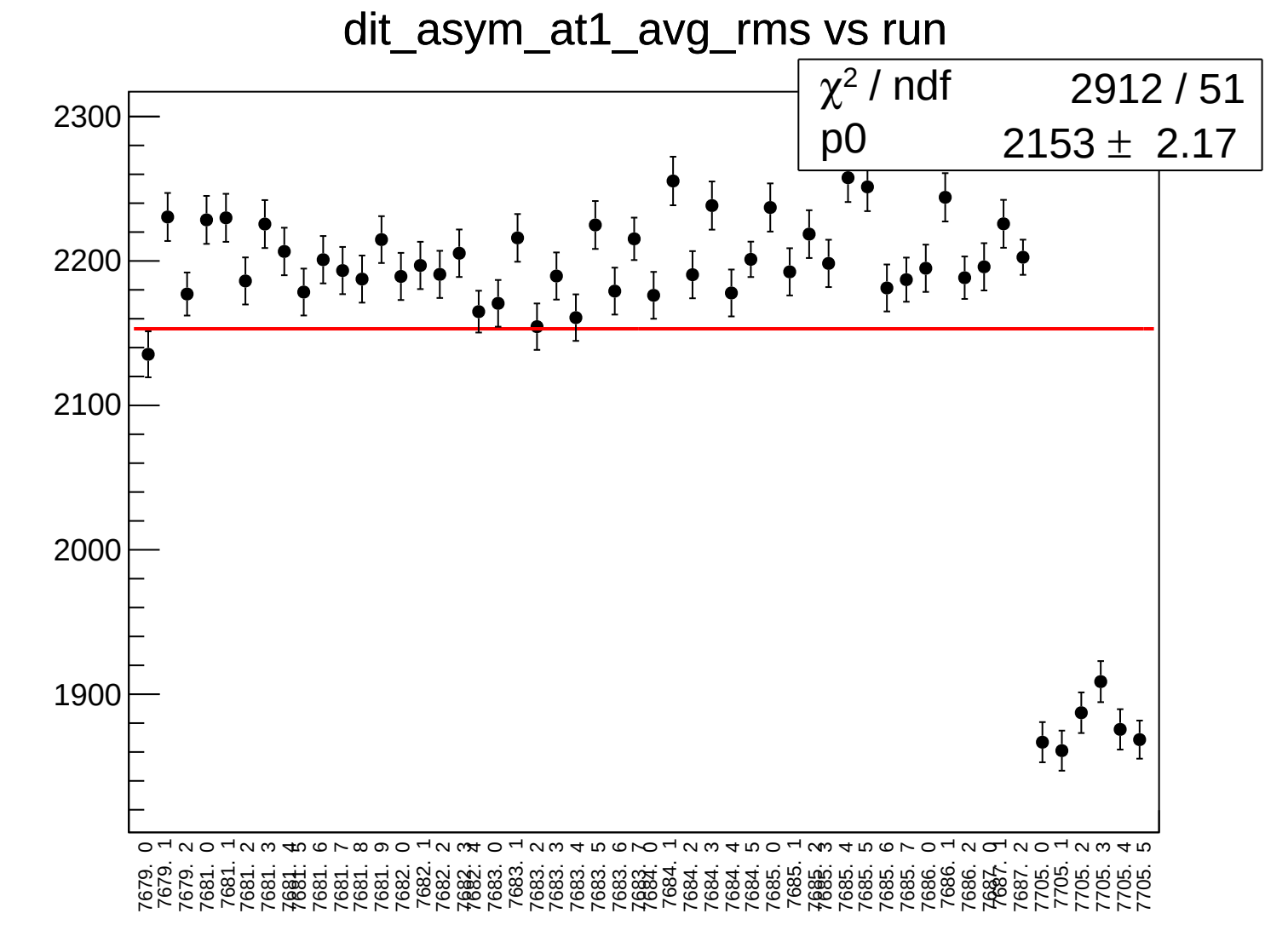

asym_usr_mean vs run
×10^3
χ² / ndf 37.12 / 51
p0 1760 ± 4912
100
50
0
−50
−100
pull
Entries 52
Mean −118.1
Std Dev 144.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

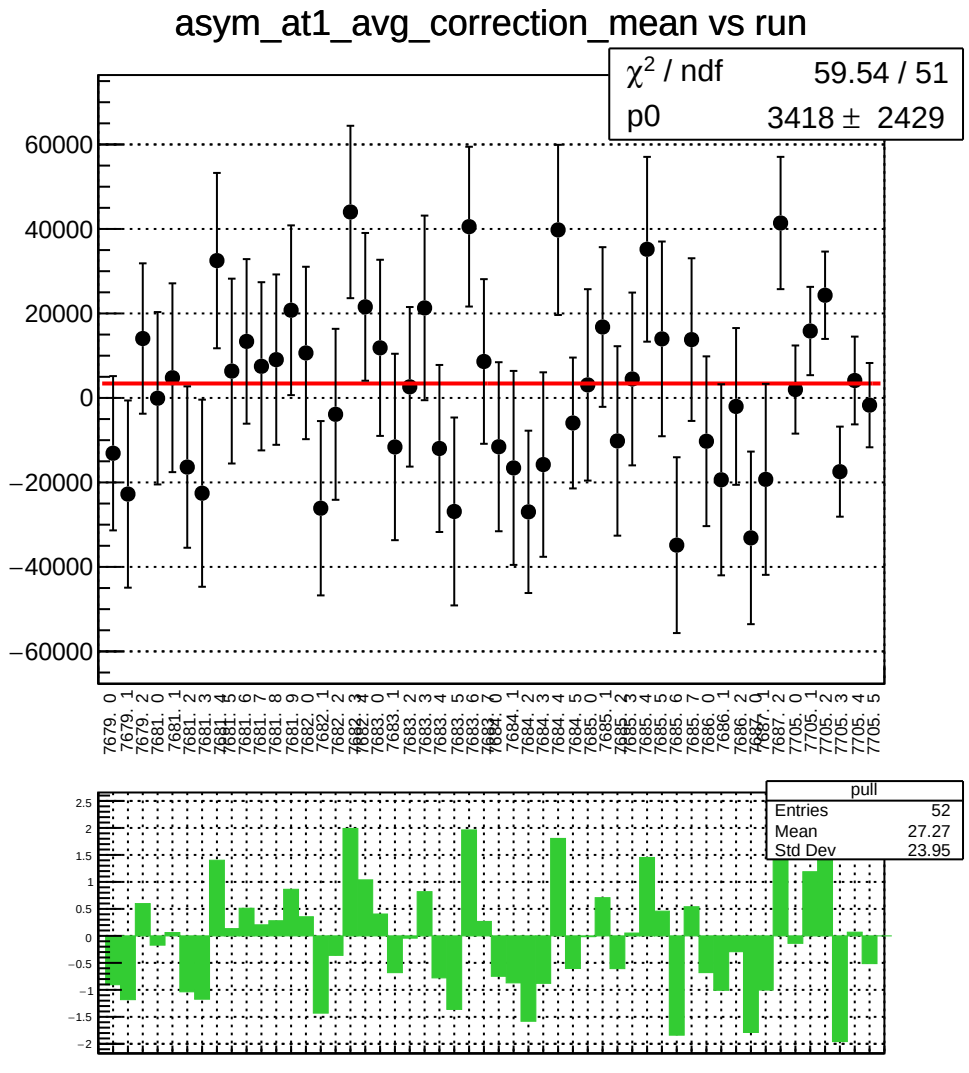

pull1D
Entries 52
Mean 0.02289
Std Dev 0.8446
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

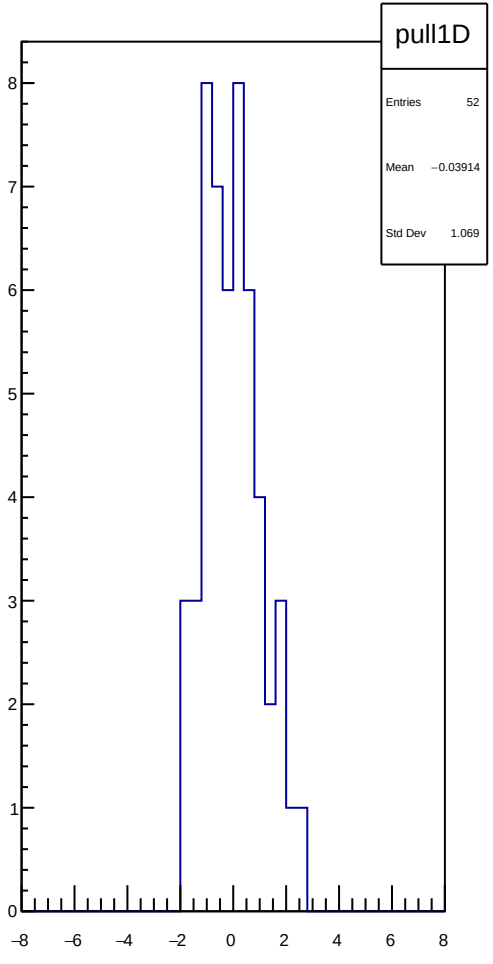

asym_usr_rms vs run
χ² / ndf 2579 / 51
p0 3446 ± 3.474
3900
3800
3700
3600
3500
3400
3300
3200
3100
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

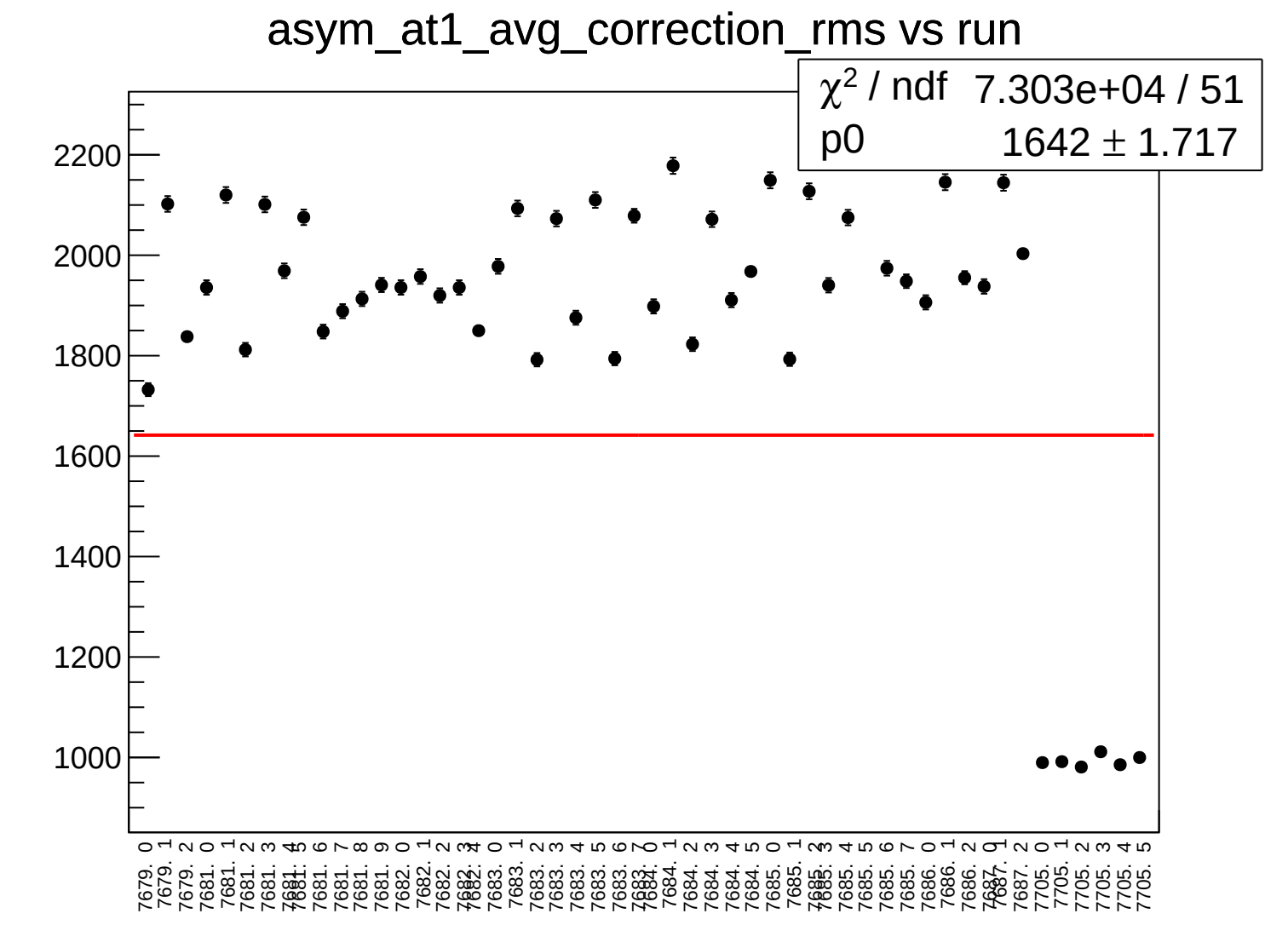

dit_asym_at1_avg_mean vs run
χ² / ndf 50.89 / 51
p0 −2772 ± 3070
pull
Entries 52
Mean −172.1
Std Dev 194.4

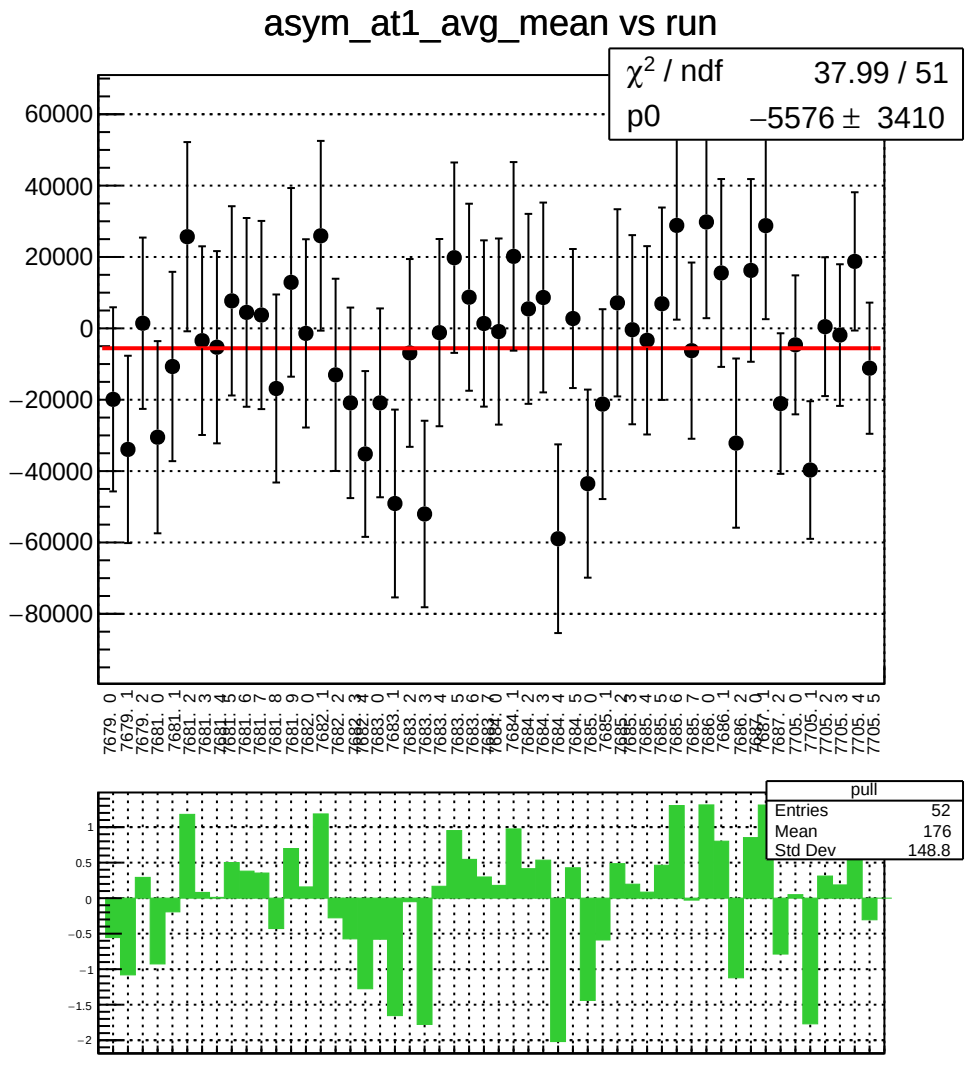

pull1D
Entries 52
Mean −0.007931
Std Dev 0.9893

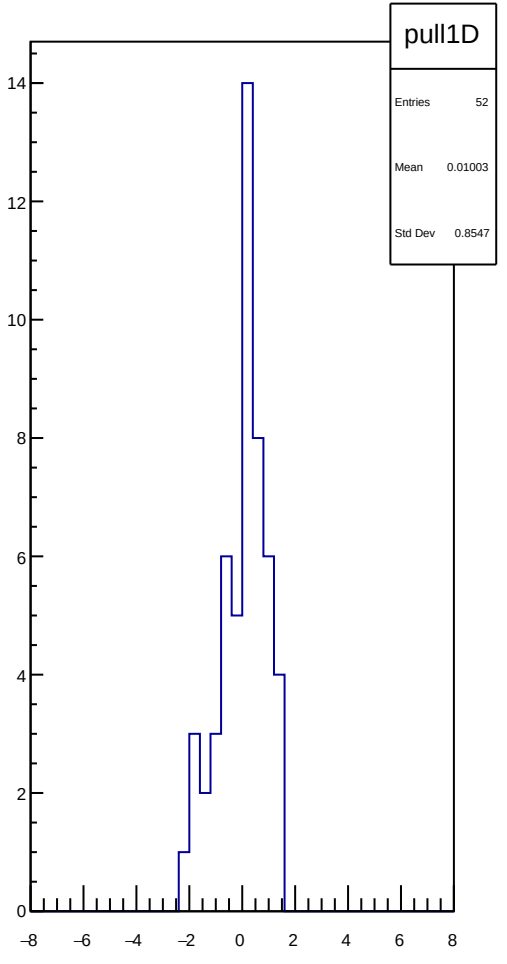

dit_asym_at1_avg_rms vs run
χ² / ndf 2912 / 51
p0 2153 ± 2.17
2300
2200
2100
2000
1900
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

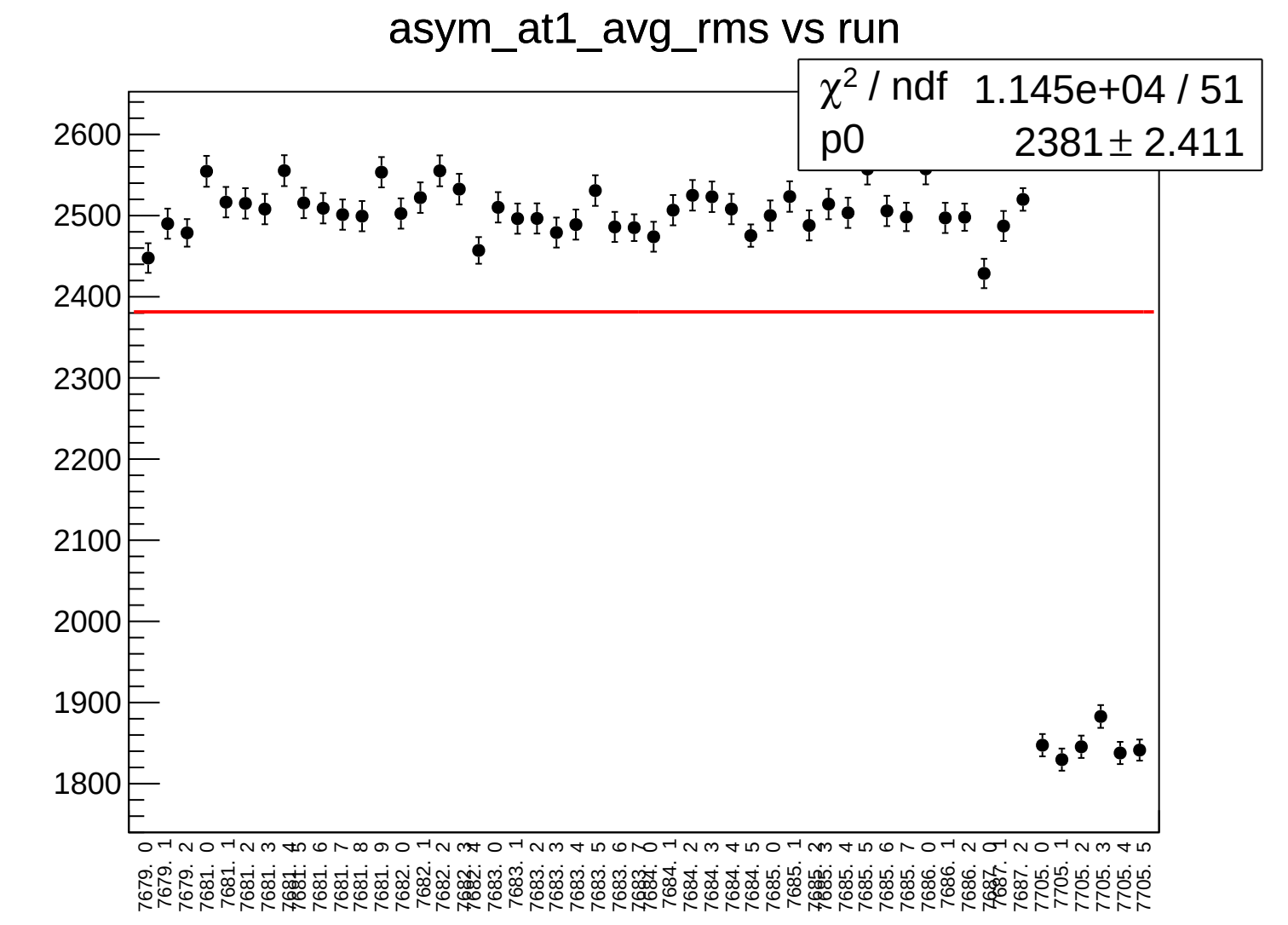

asym_at1_avg_correction_mean vs run
χ² / ndf 59.54 / 51
p0 3418 ± 2429
pull
Entries 52
Mean 27.27
Std Dev 23.95

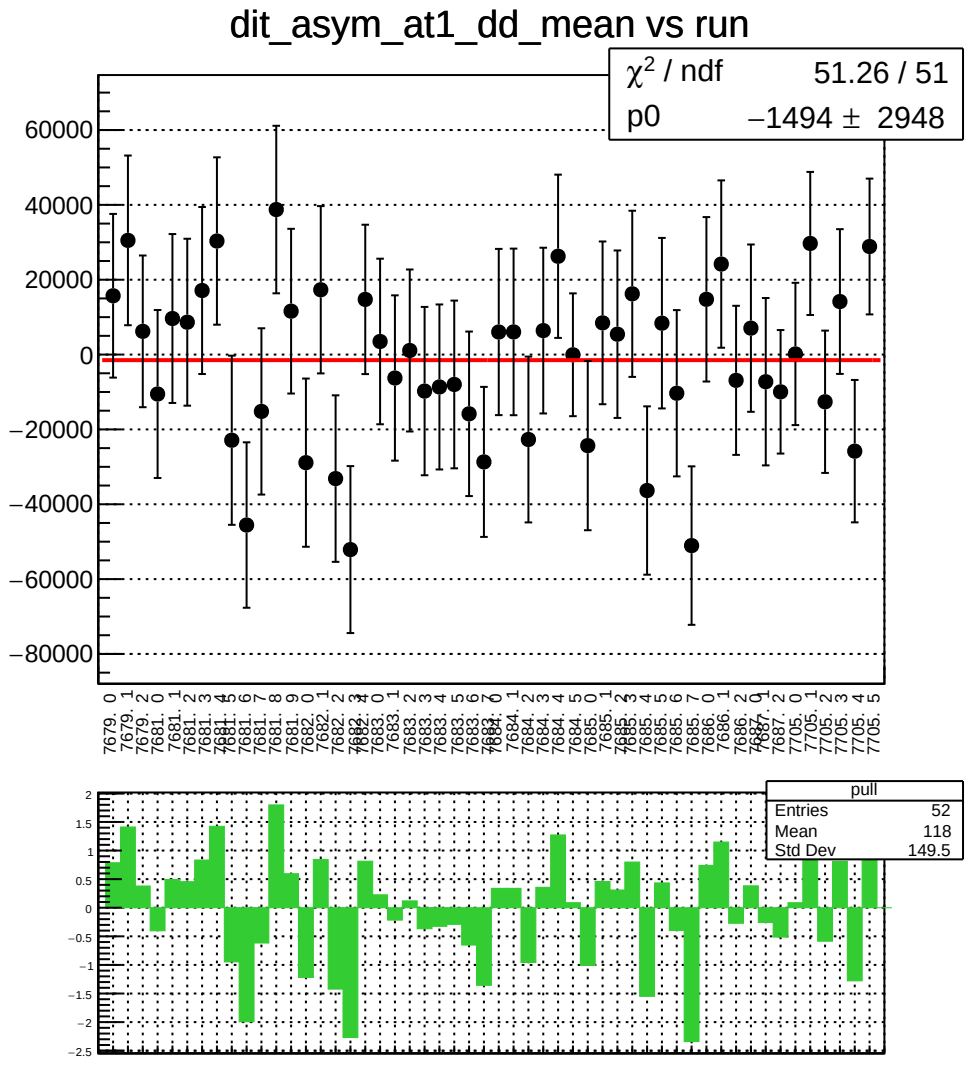

pull1D
Entries 52
Mean −0.03914
Std Dev 1.069

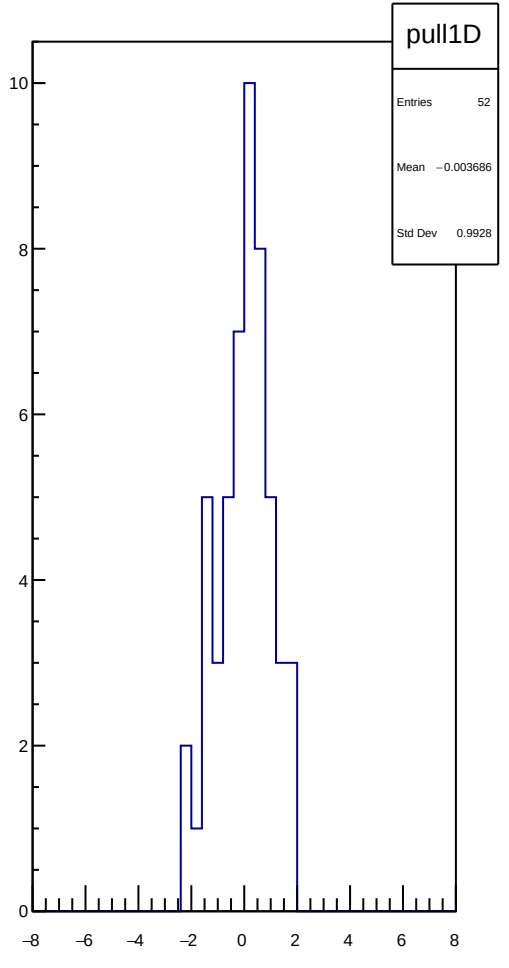

asym_at1_avg_correction_rms vs run
χ² / ndf 7.303e+04 / 51
p0 1642 ± 1.717
2200
2000
1800
1600
1400
1200
1000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

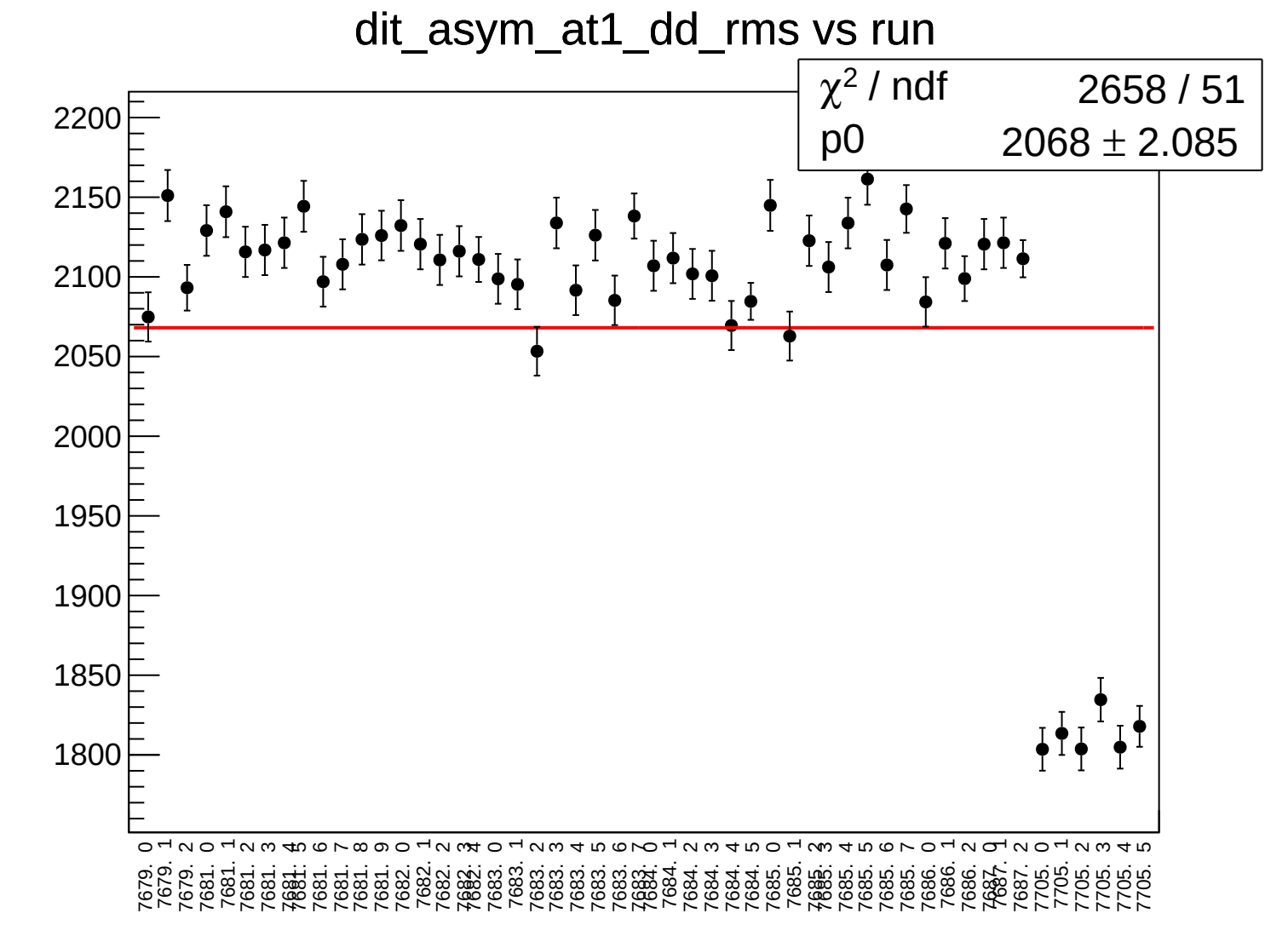

asym_at1_avg_mean vs run
χ² / ndf 37.99 / 51
p0 −5576 ± 3410
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 176
Std Dev 148.8
1
0.5
0
−0.5
−1
−1.5
−2

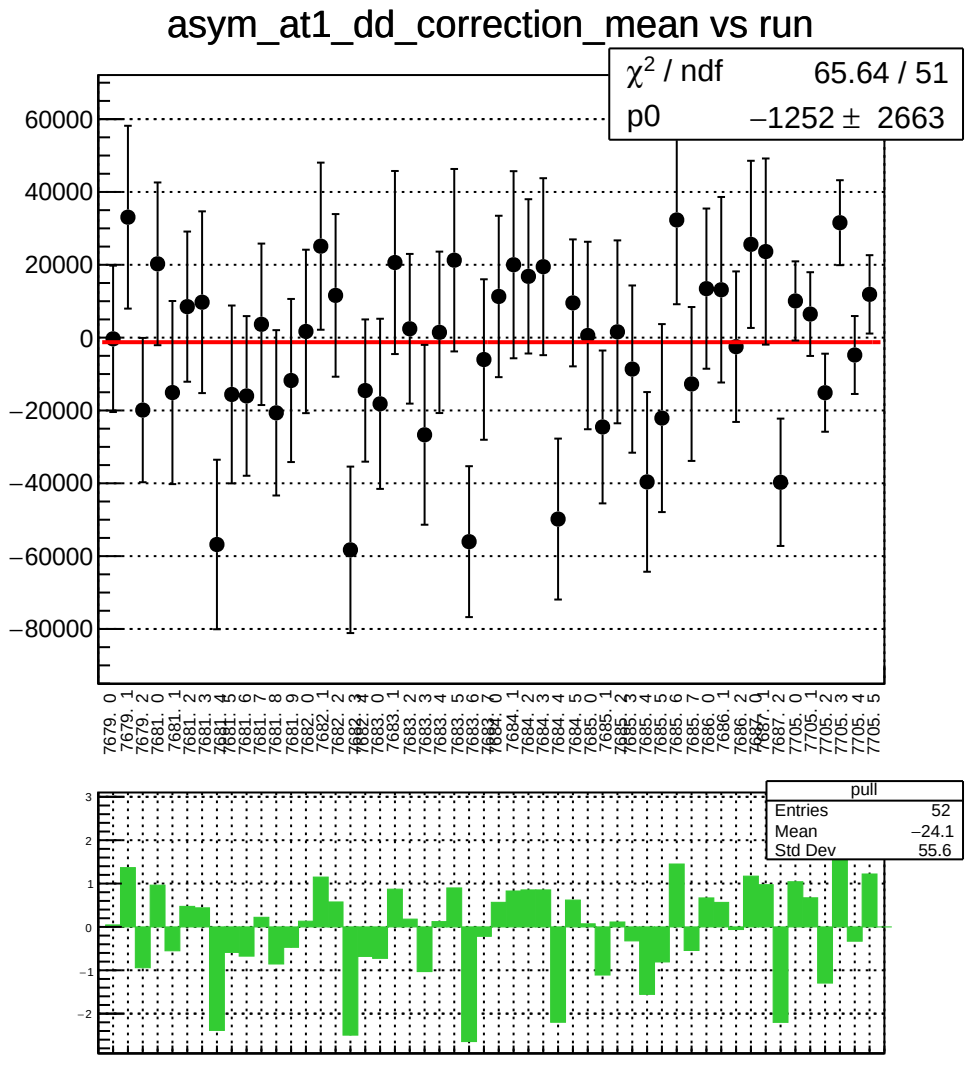

pull1D
Entries 52
Mean 0.01003
Std Dev 0.8547
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

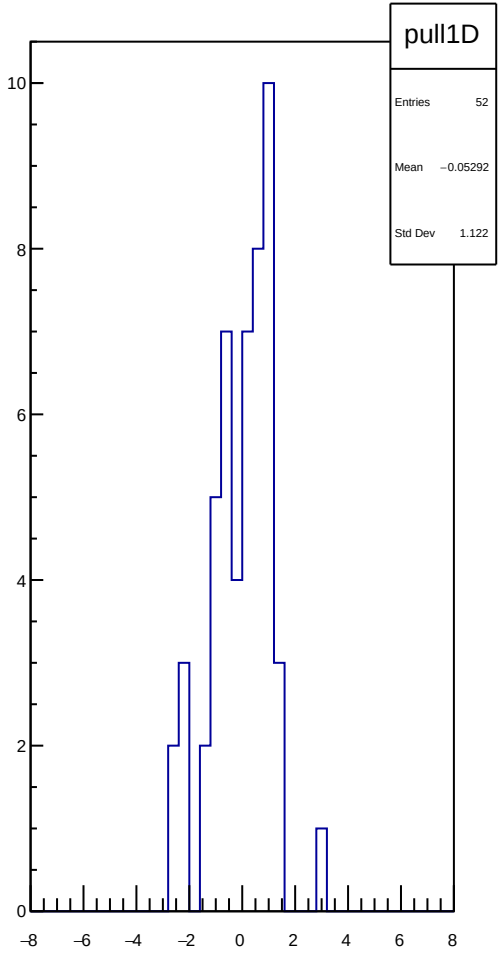

asym_at1_avg_rms vs run
χ^2 / ndf 1.145e+04 / 51
p0 2381 ± 2.411
2600
2500
2400
2300
2200
2100
2000
1900
1800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

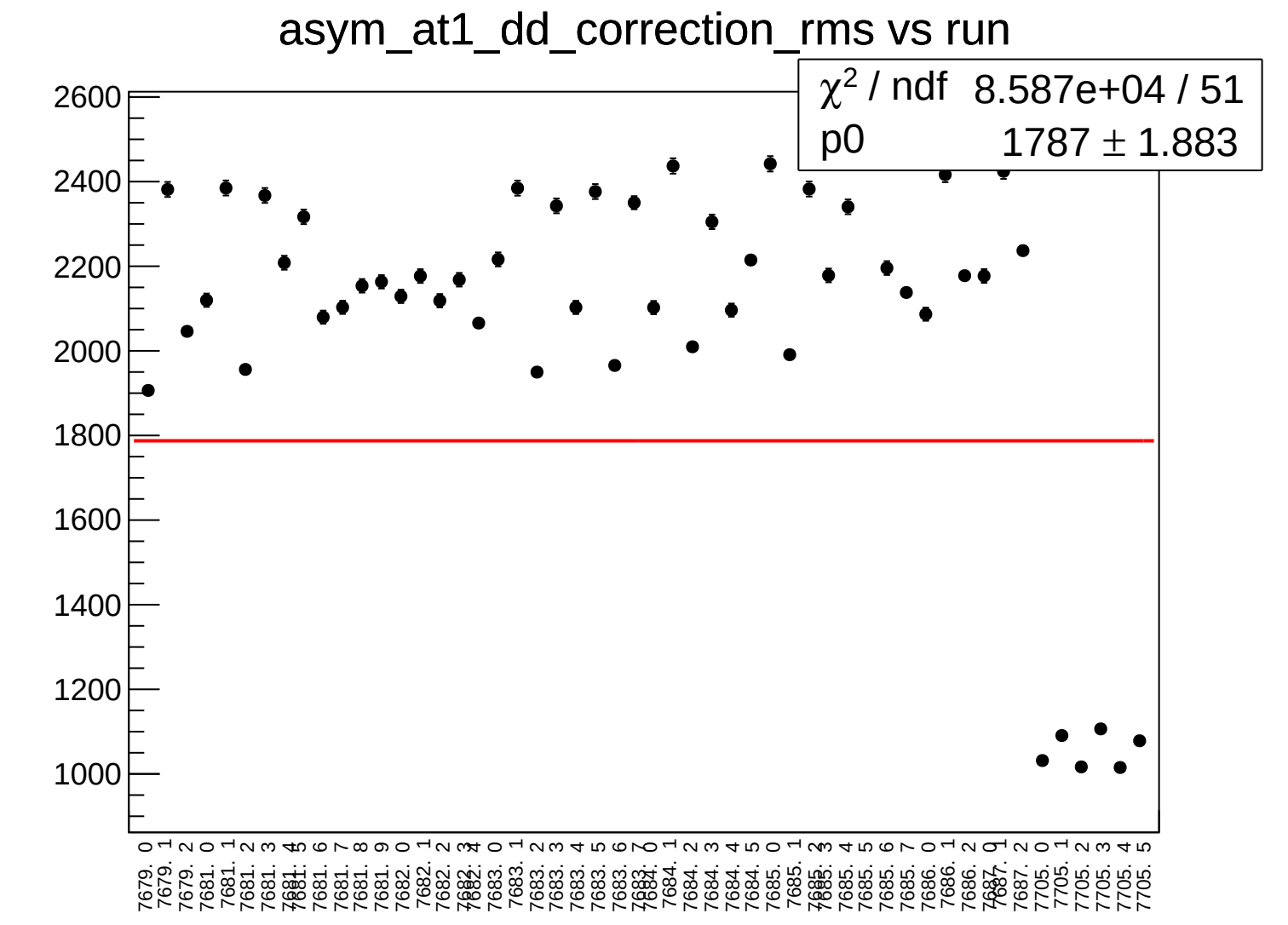

dit_asym_at1_dd_mean vs run
χ² / ndf 51.26 / 51
p0 −1494 ± 2948
pull
Entries 52
Mean 118
Std Dev 149.5

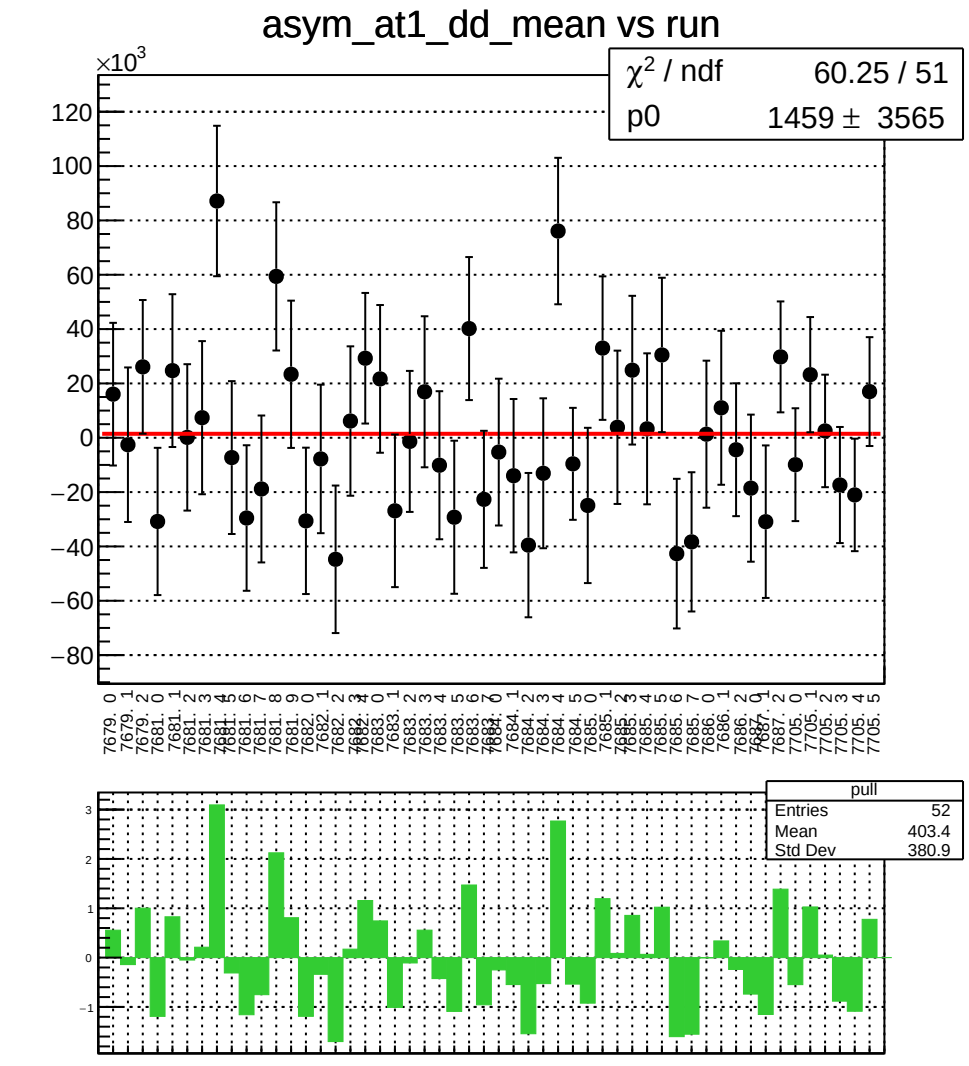

pull1D
Entries 52
Mean −0.003686
Std Dev 0.9928

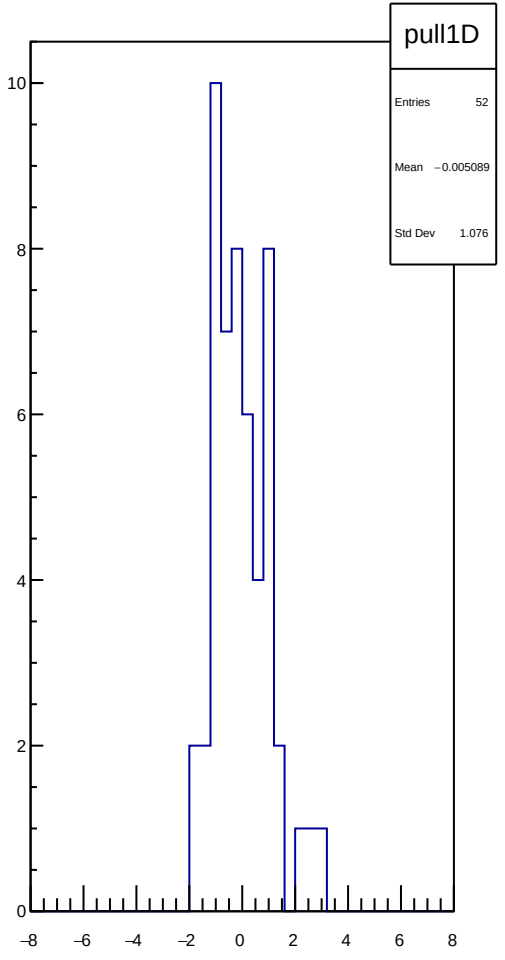

dit_asym_at1_dd_rms vs run
χ² / ndf 2658 / 51
p0 2068 ± 2.085
2200
2150
2100
2050
2000
1950
1900
1850
1800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

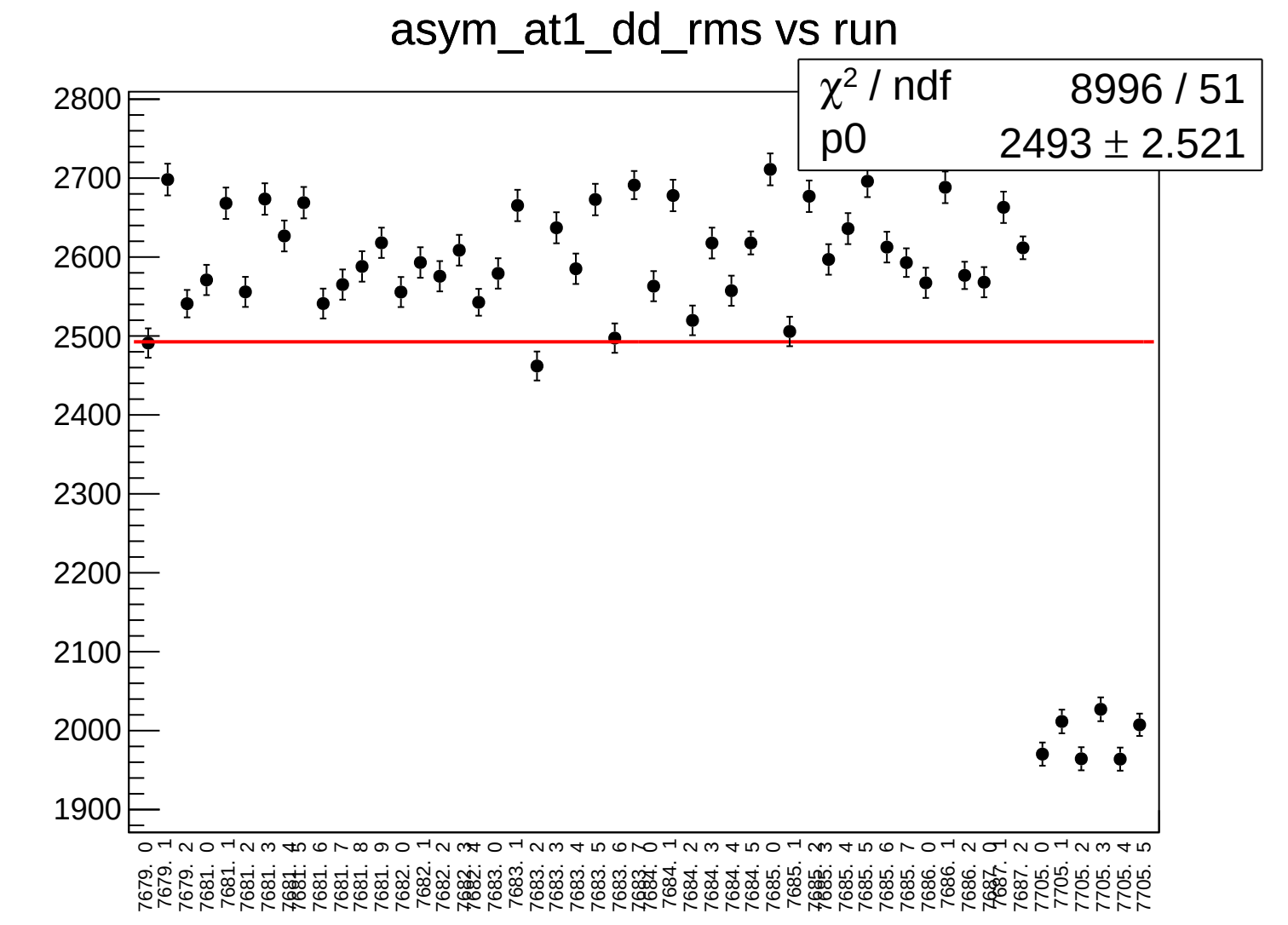

asym_at1_dd_correction_mean vs run
χ² / ndf 65.64 / 51
p0 −1252 ± 2663
pull
Entries 52
Mean −24.1
Std Dev 55.6

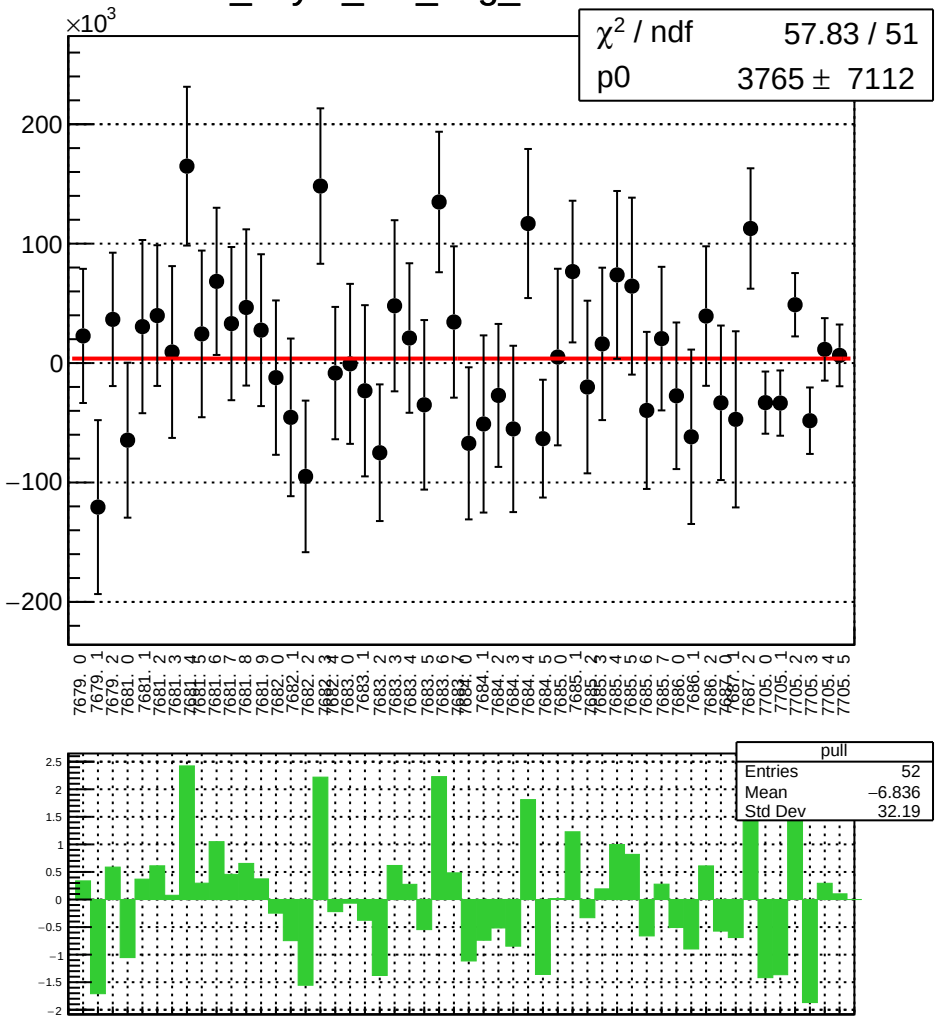

pull1D
Entries 52
Mean −0.05292
Std Dev 1.122

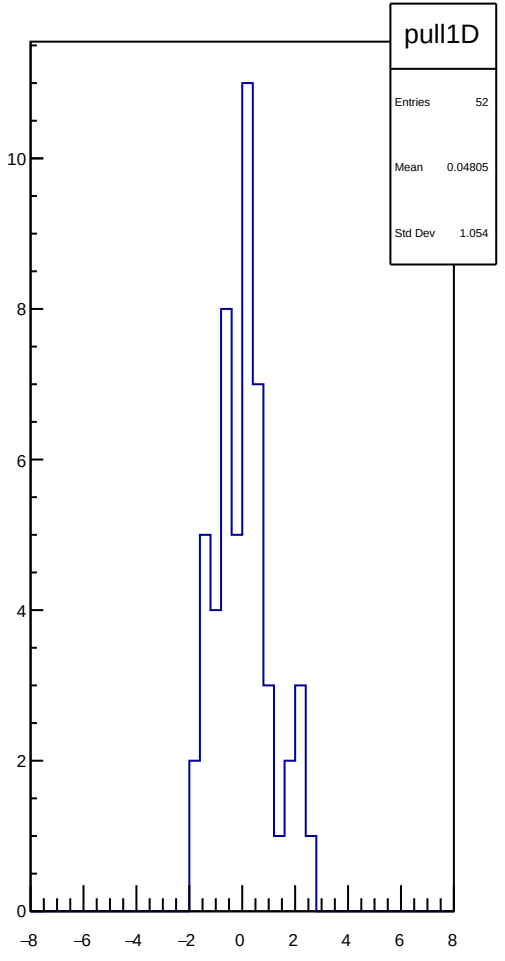

asym_at1_dd_correction_rms vs run
χ² / ndf 8.587e+04 / 51
p0 1787 ± 1.883
2600
2400
2200
2000
1800
1600
1400
1200
1000

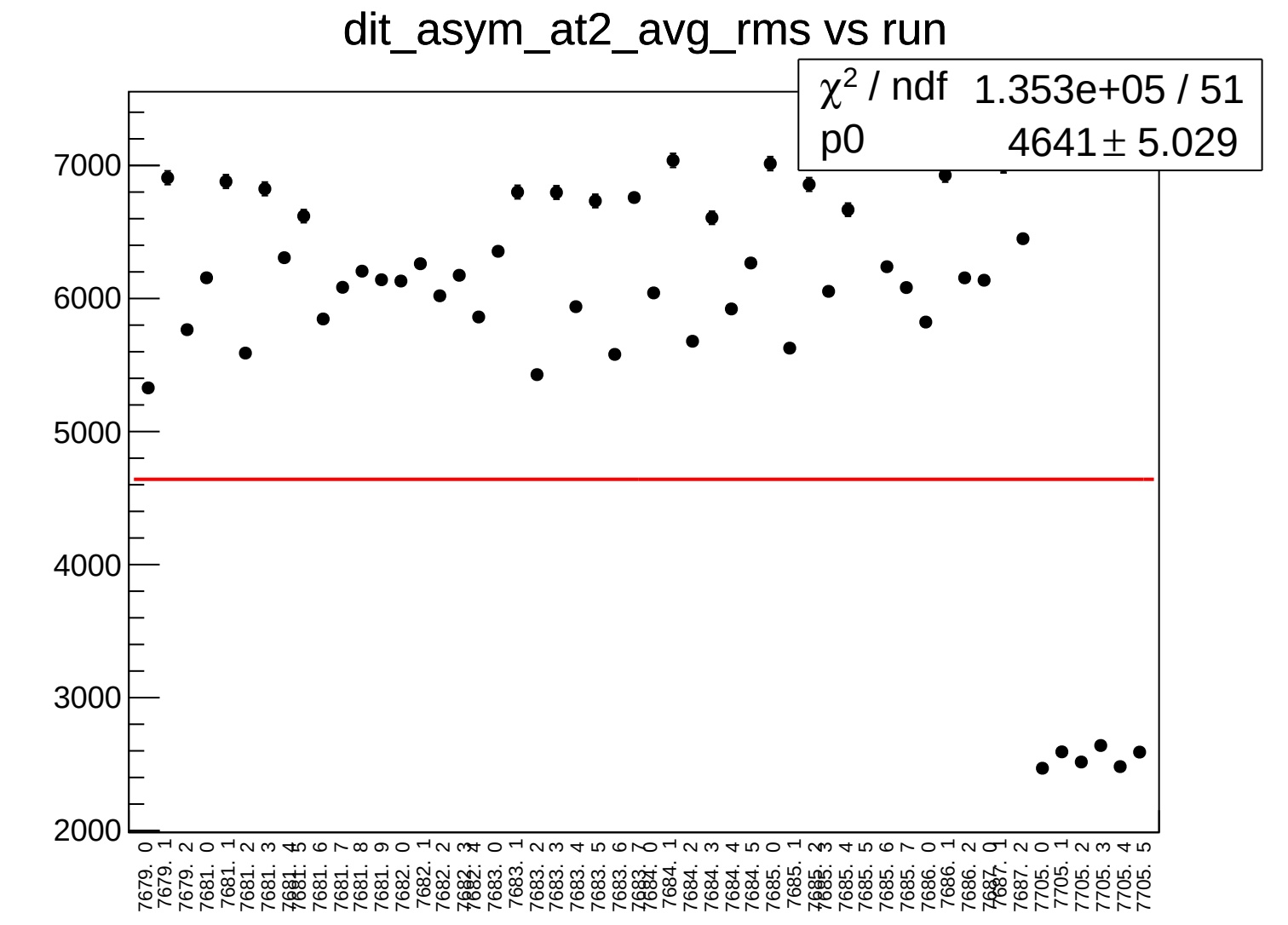

asym_at1_dd_mean vs run
×10^3
χ² / ndf 60.25 / 51
p0 1459 ± 3565
pull
Entries 52
Mean 403.4
Std Dev 380.9

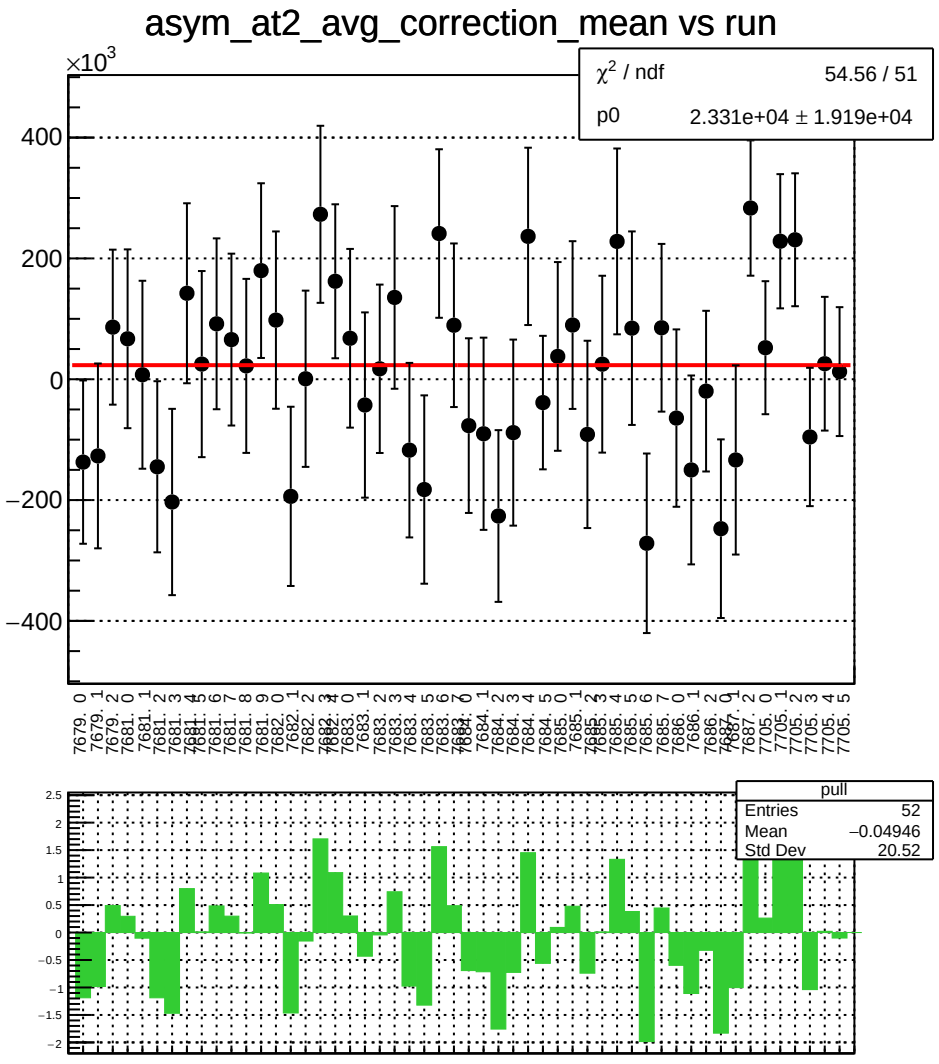

pull1D
Entries 52
Mean −0.005089
Std Dev 1.076

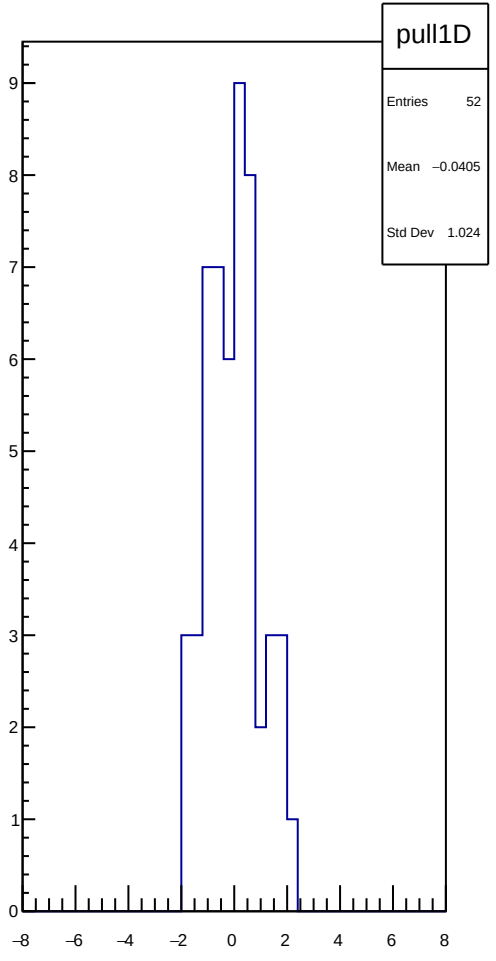

asym_at1_dd_rms vs run
χ² / ndf 8996 / 51
p0 2493 ± 2.521
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

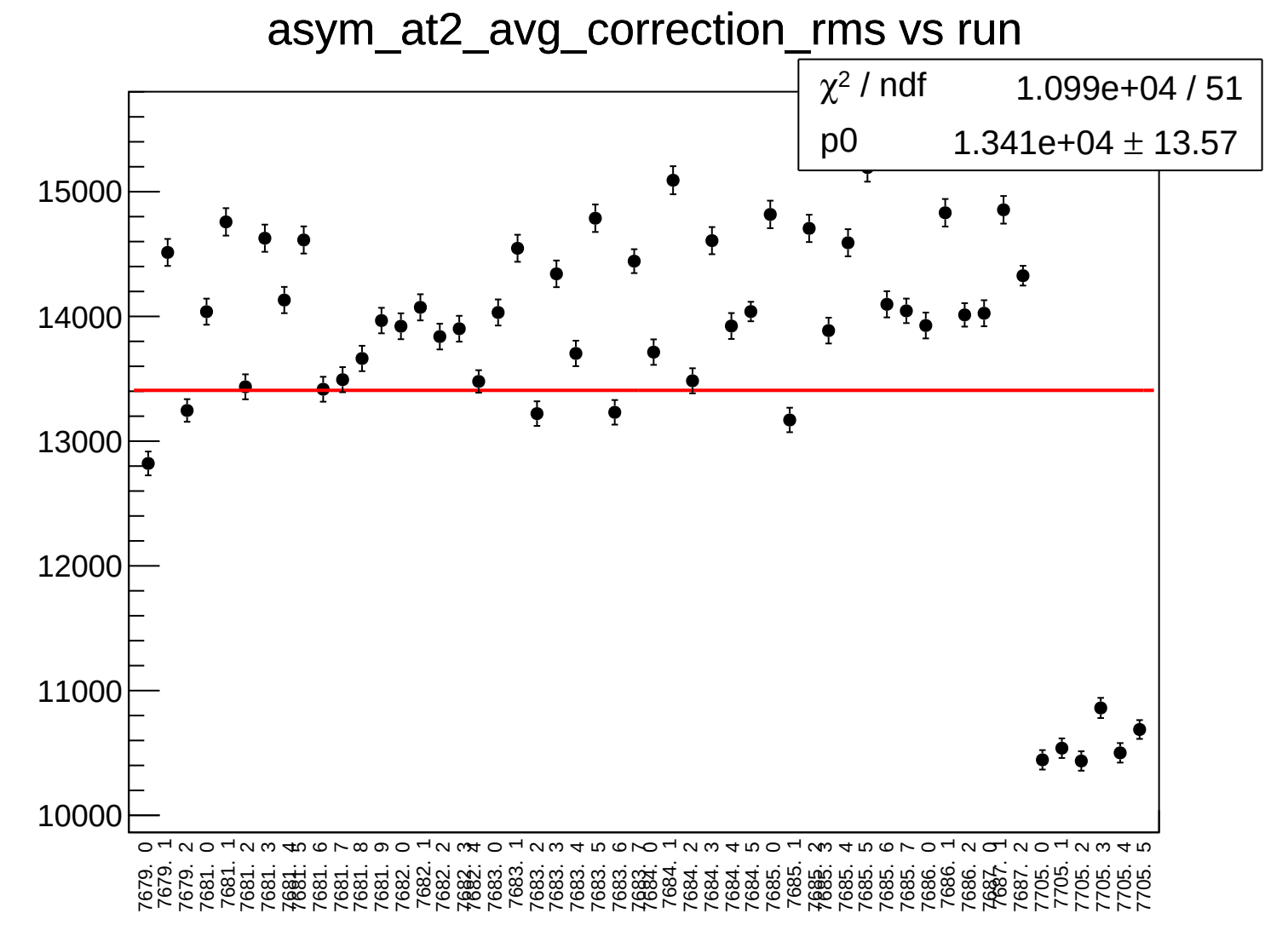

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 57.83 / 51
p0 3765 ± 7112
200
100
0
−100
−200
pull
Entries 52
Mean −6.836
Std Dev 32.19
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

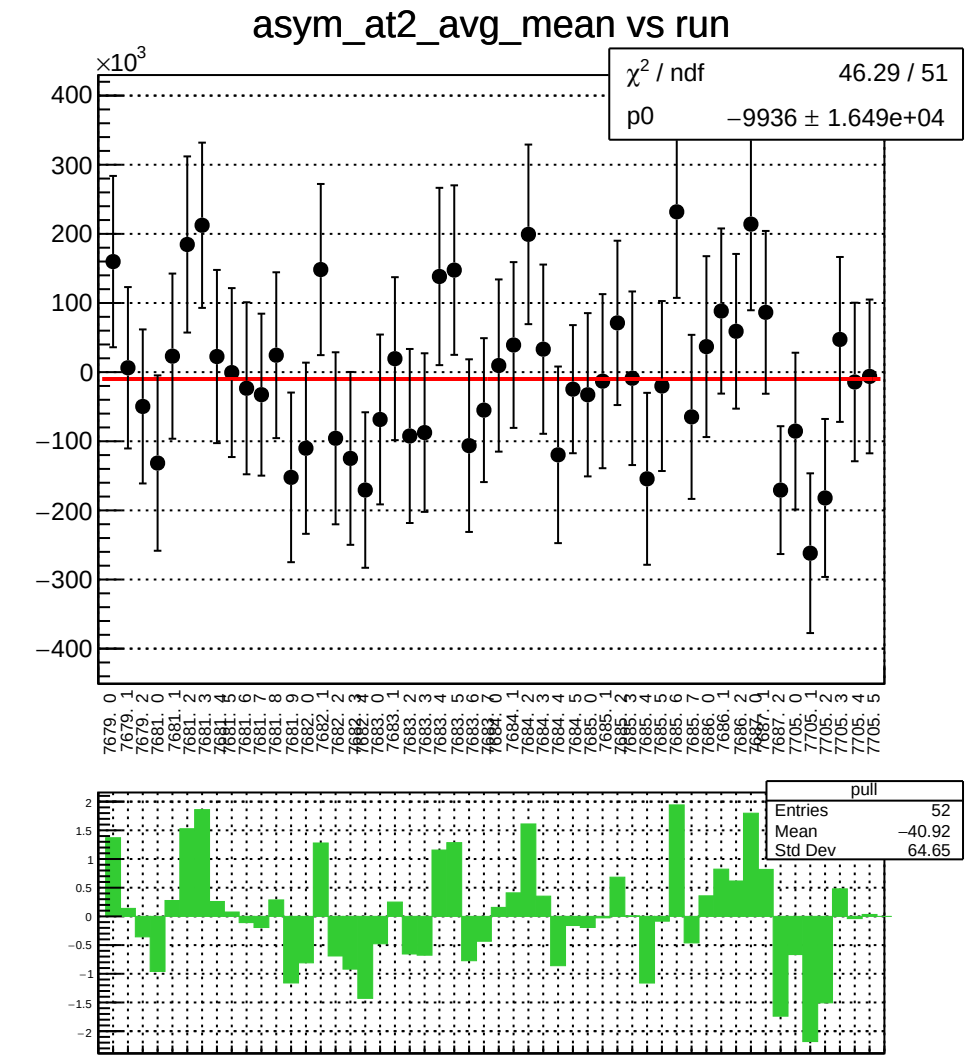

pull1D
Entries 52
Mean 0.04805
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

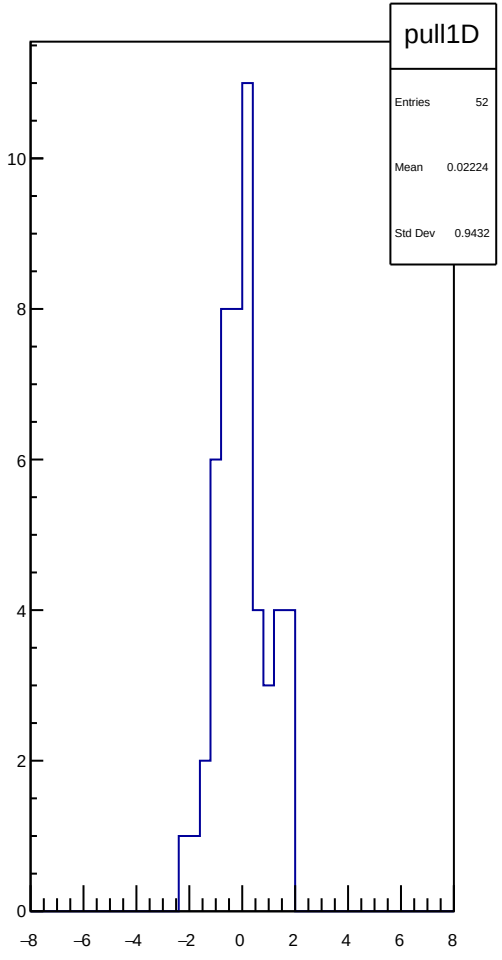

dit_asym_at2_avg_rms vs run
χ^2 / ndf 1.353e+05 / 51
p0 4641 ± 5.029
7000
6000
5000
4000
3000
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

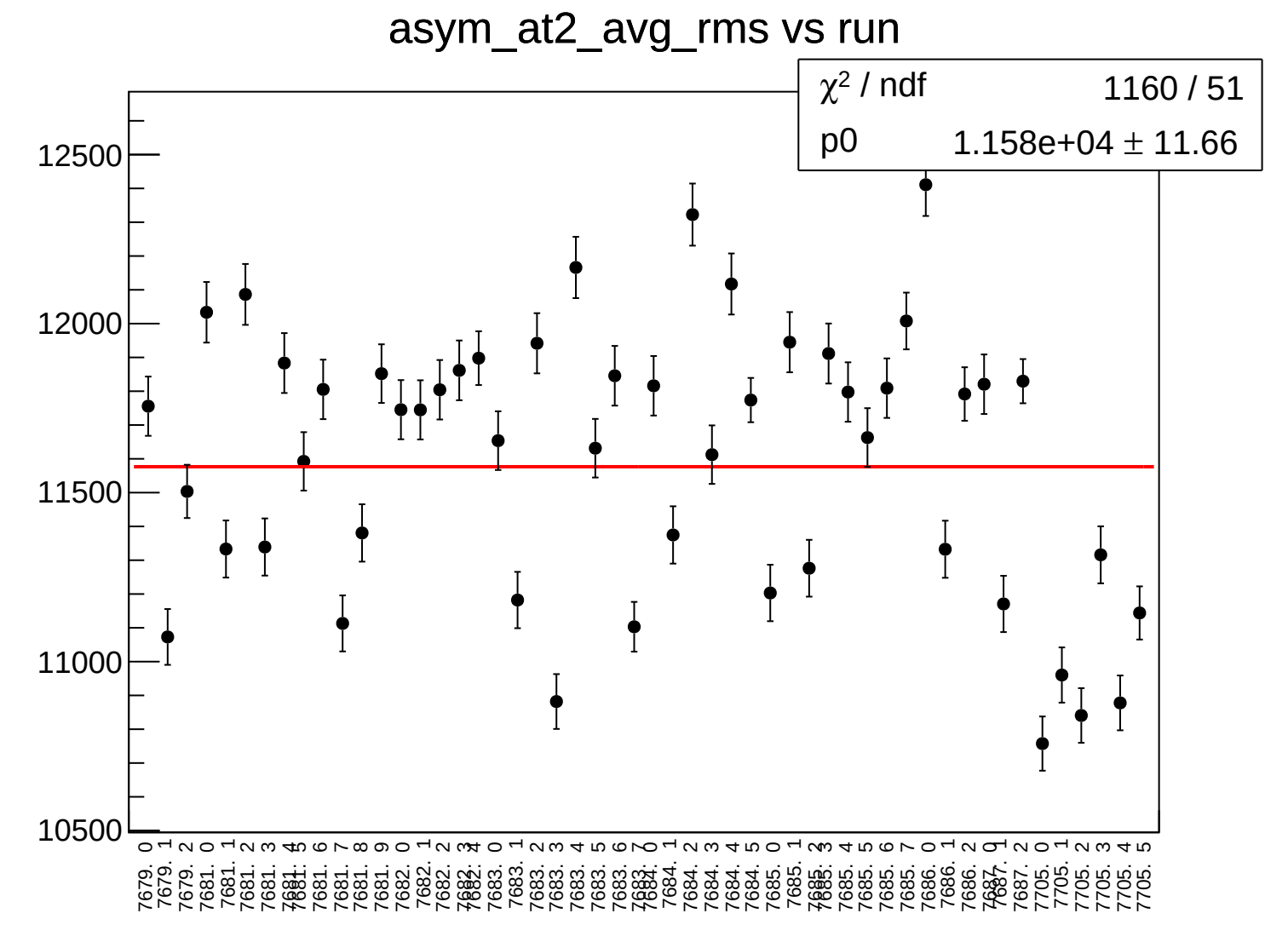

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 54.56 / 51
p0 2.331e+04 ± 1.919e+04
400
200
0
−200
−400
pull
Entries 52
Mean −0.04946
Std Dev 20.52
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

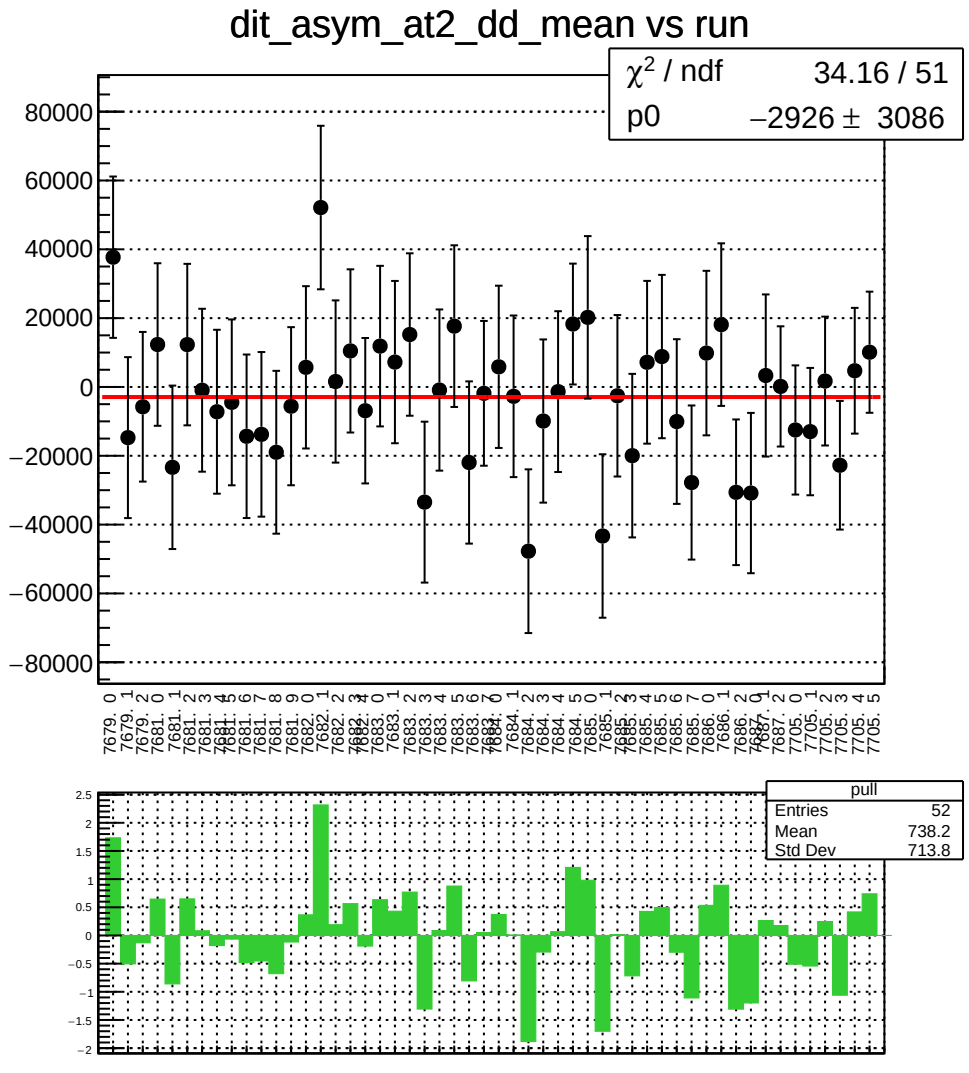

pull1D
Entries 52
Mean −0.0405
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

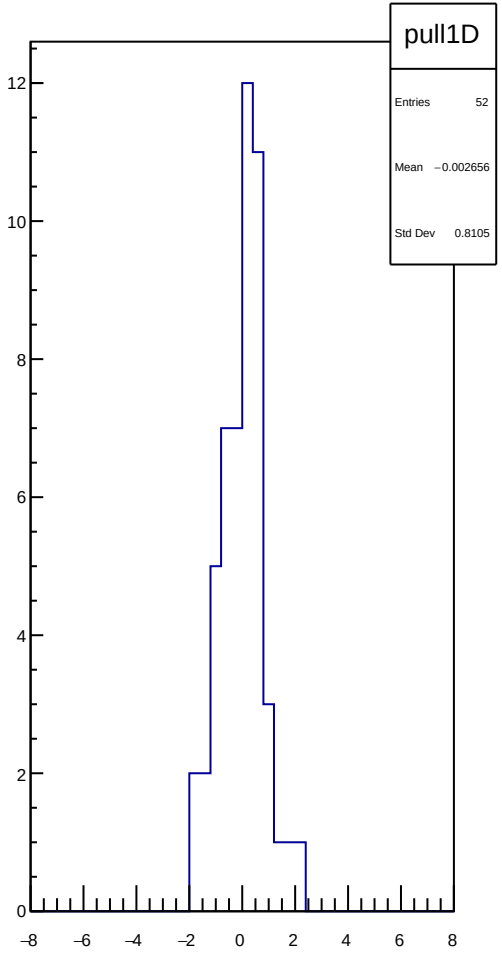

asym_at2_avg_correction_rms vs run
χ² / ndf 1.099e+04 / 51
p0 1.341e+04 ± 13.57
15000
14000
13000
12000
11000
10000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

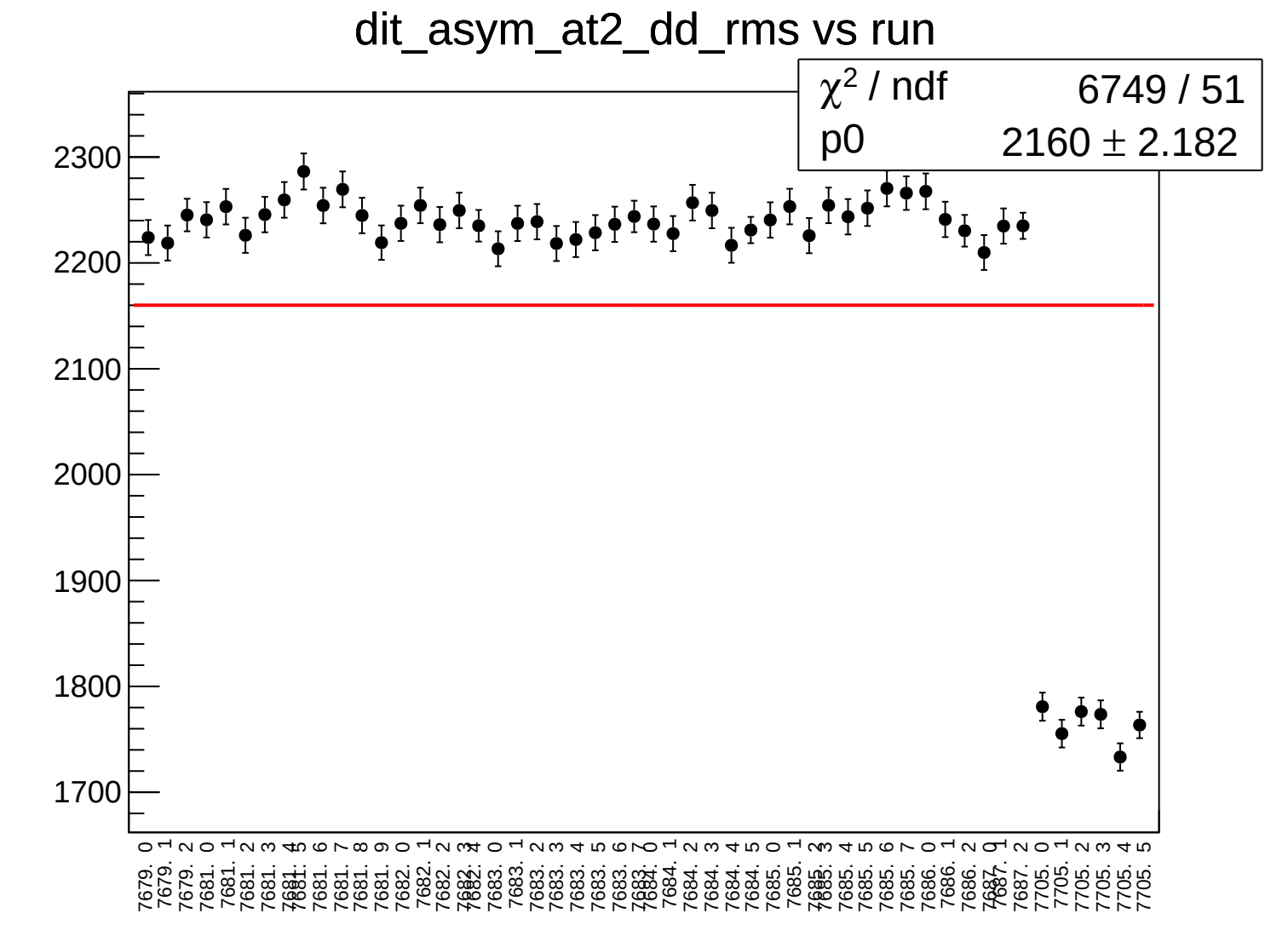

asym_at2_avg_mean vs run
×10^3
χ² / ndf 46.29 / 51
p0 −9936 ± 1.649e+04
pull
Entries 52
Mean −40.92
Std Dev 64.65

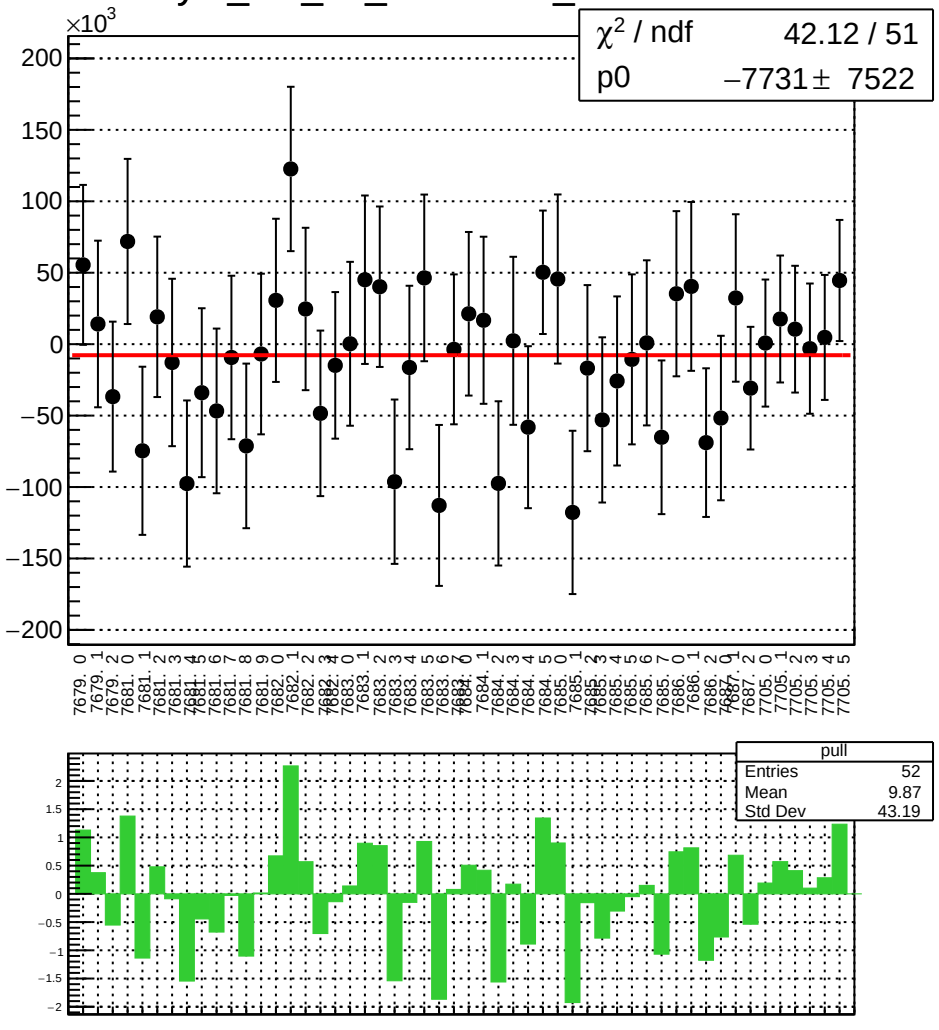

pull1D
Entries 52
Mean 0.02224
Std Dev 0.9432

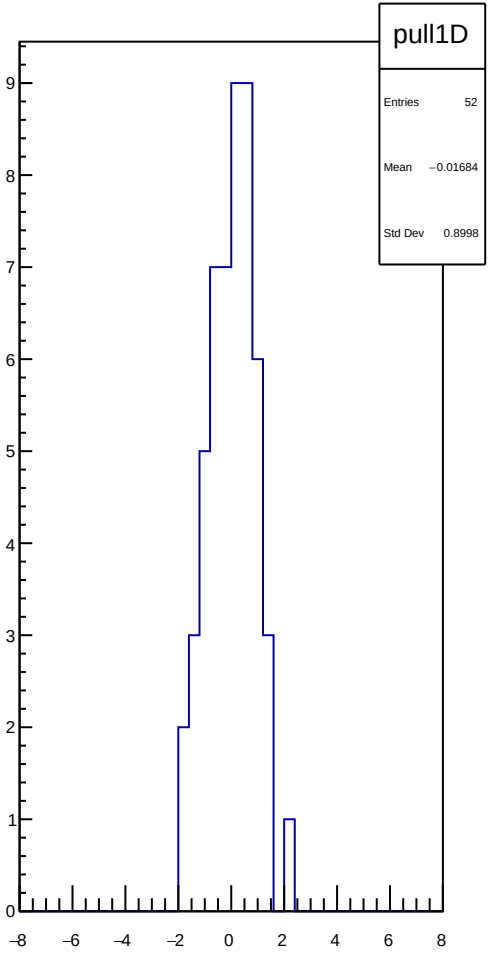

asym_at2_avg_rms vs run
χ² / ndf 1160 / 51
p0 1.158e+04 ± 11.66
12500
12000
11500
11000
10500

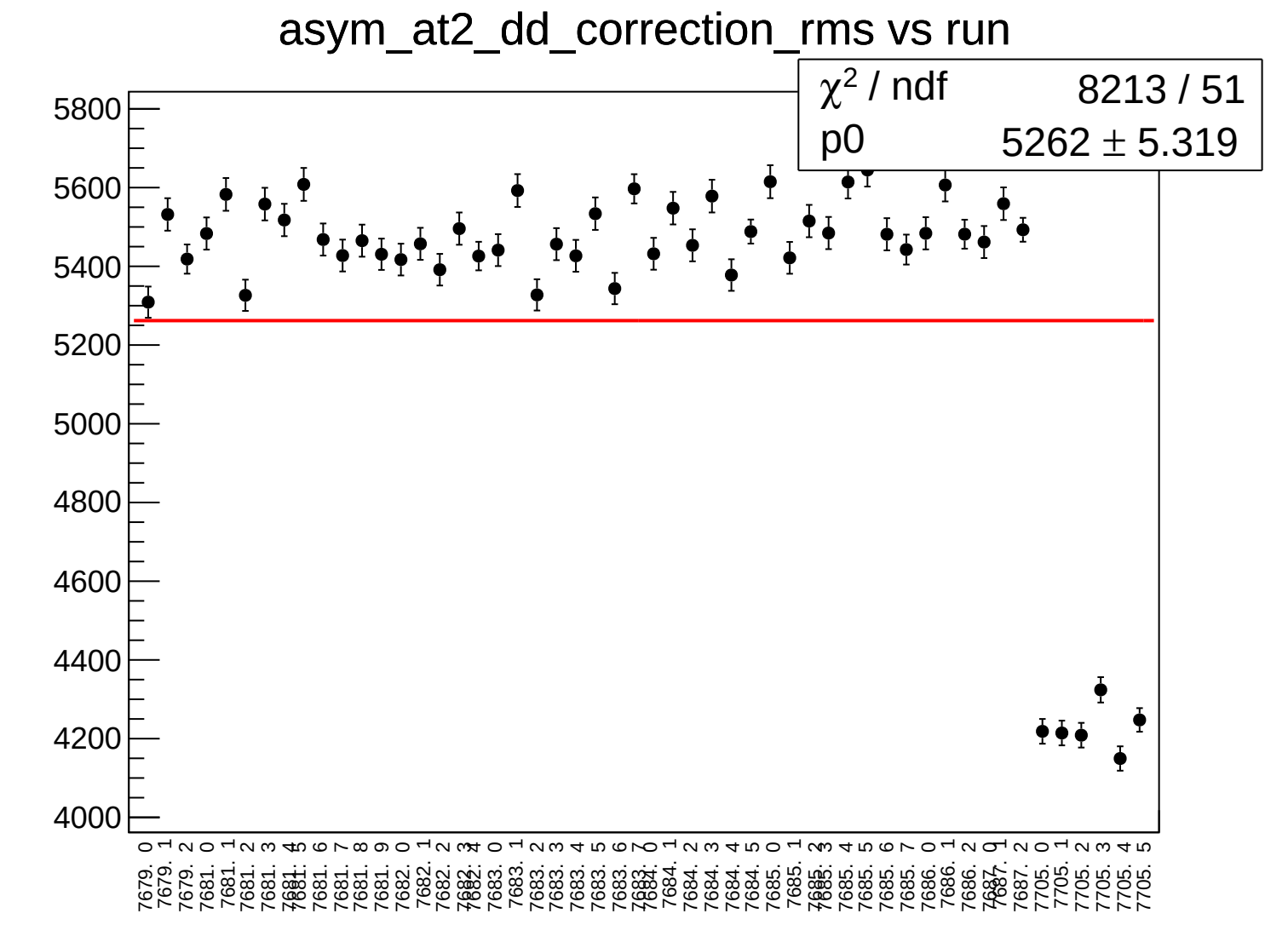

dit_asym_at2_dd_mean vs run
χ² / ndf 34.16 / 51
p0 −2926 ± 3086
pull
Entries 52
Mean 738.2
Std Dev 713.8

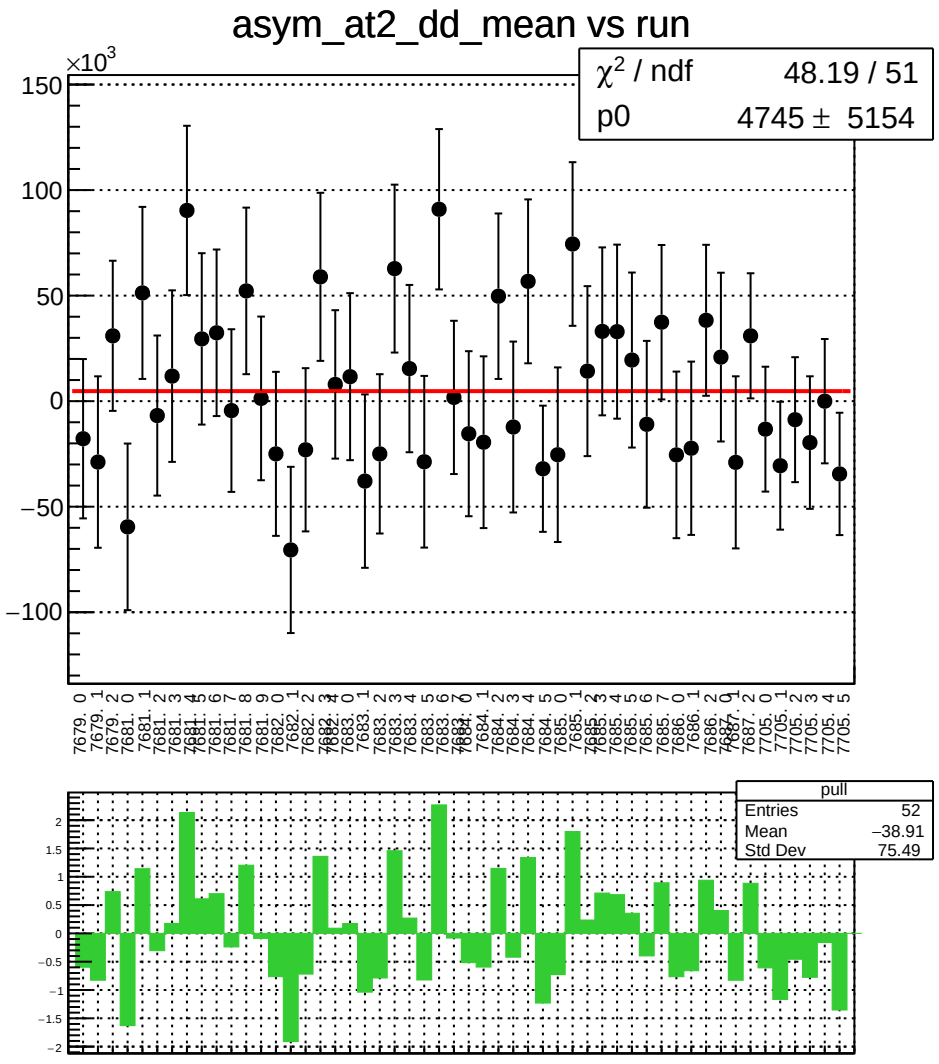

pull1D
Entries 52
Mean −0.002656
Std Dev 0.8105

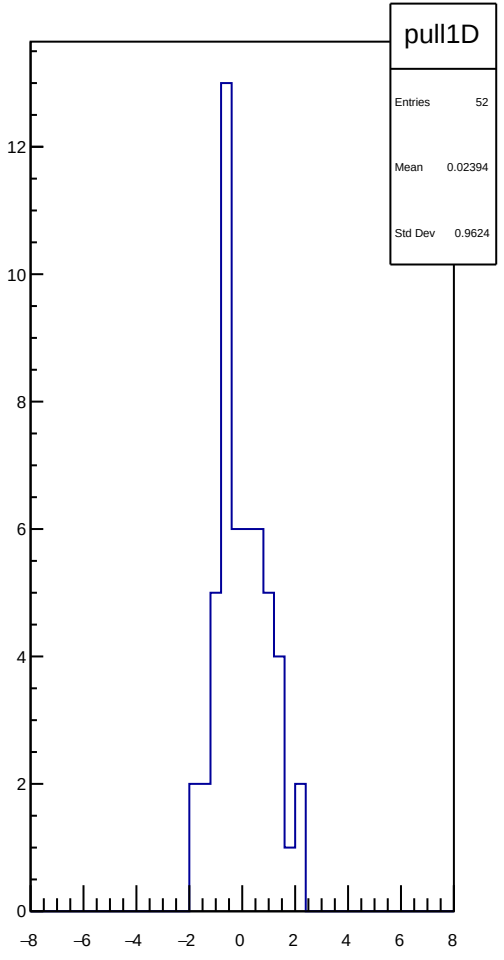

dit_asym_at2_dd_rms vs run
χ² / ndf 6749 / 51
p0 2160 ± 2.182
2300
2200
2100
2000
1900
1800
1700
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 0
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

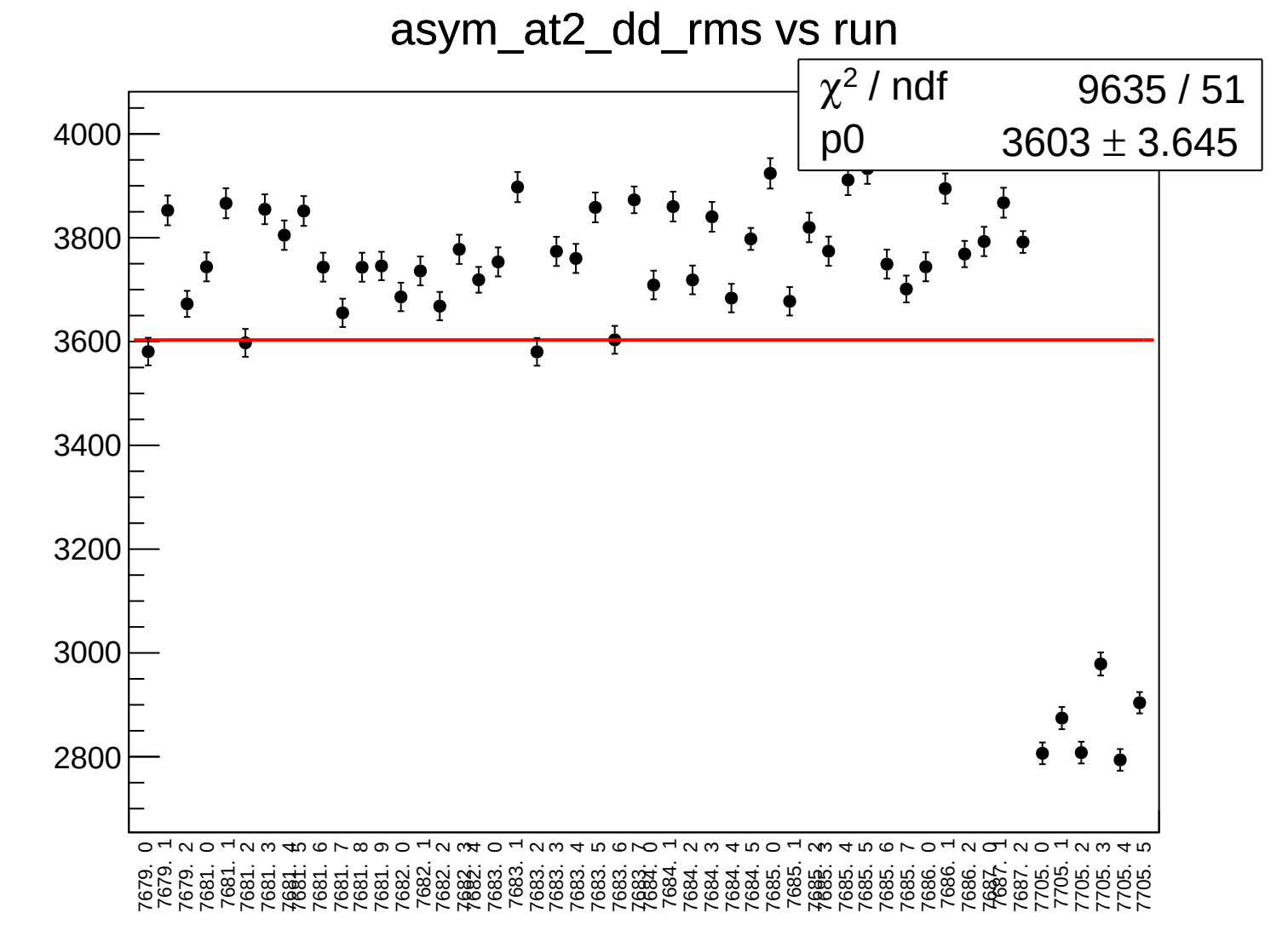

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 42.12 / 51
p0 −7731 ± 7522
pull
Entries 52
Mean 9.87
Std Dev 43.19

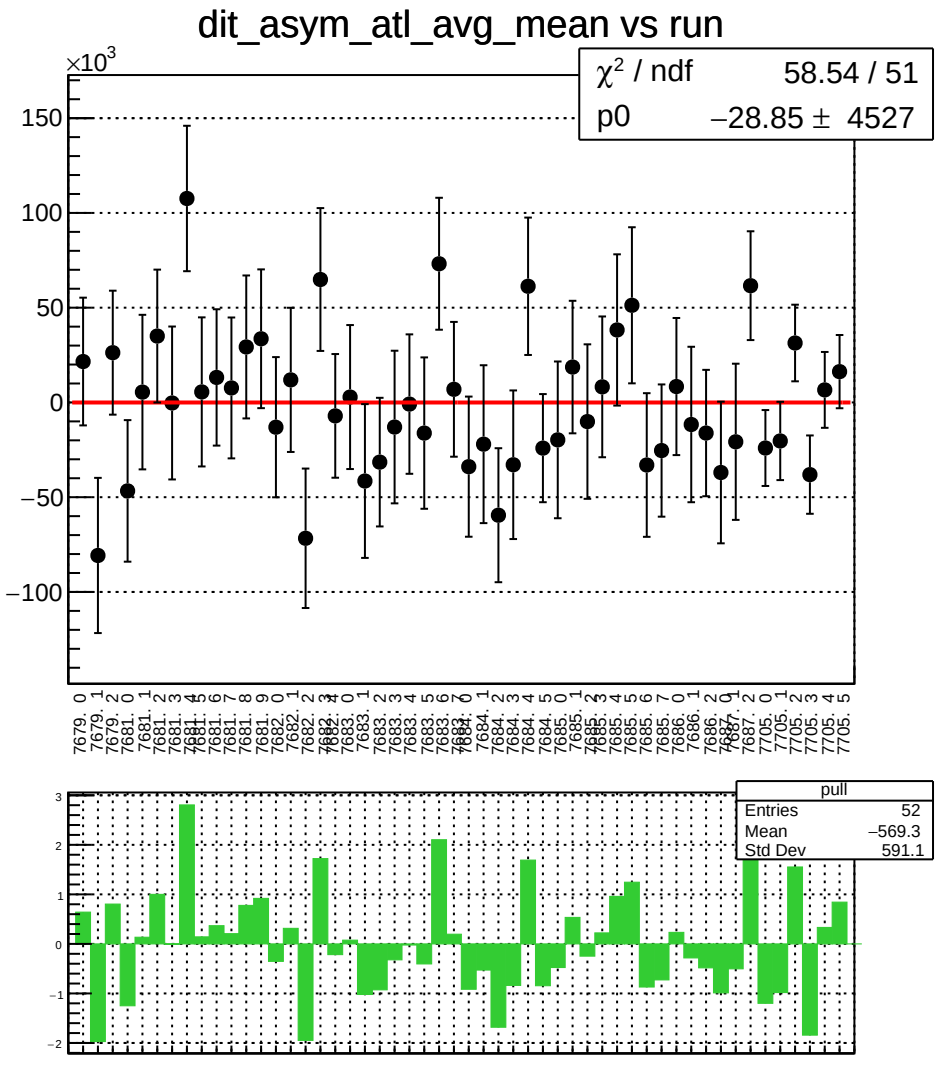

pull1D
Entries 52
Mean −0.01684
Std Dev 0.8998

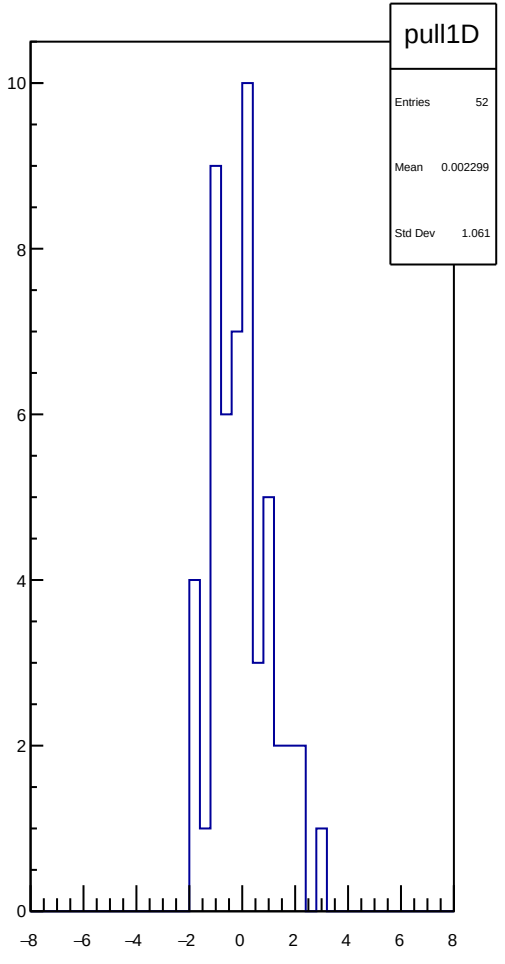

asym_at2_dd_correction_rms vs run
χ² / ndf 8213 / 51
p0 5262 ± 5.319
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

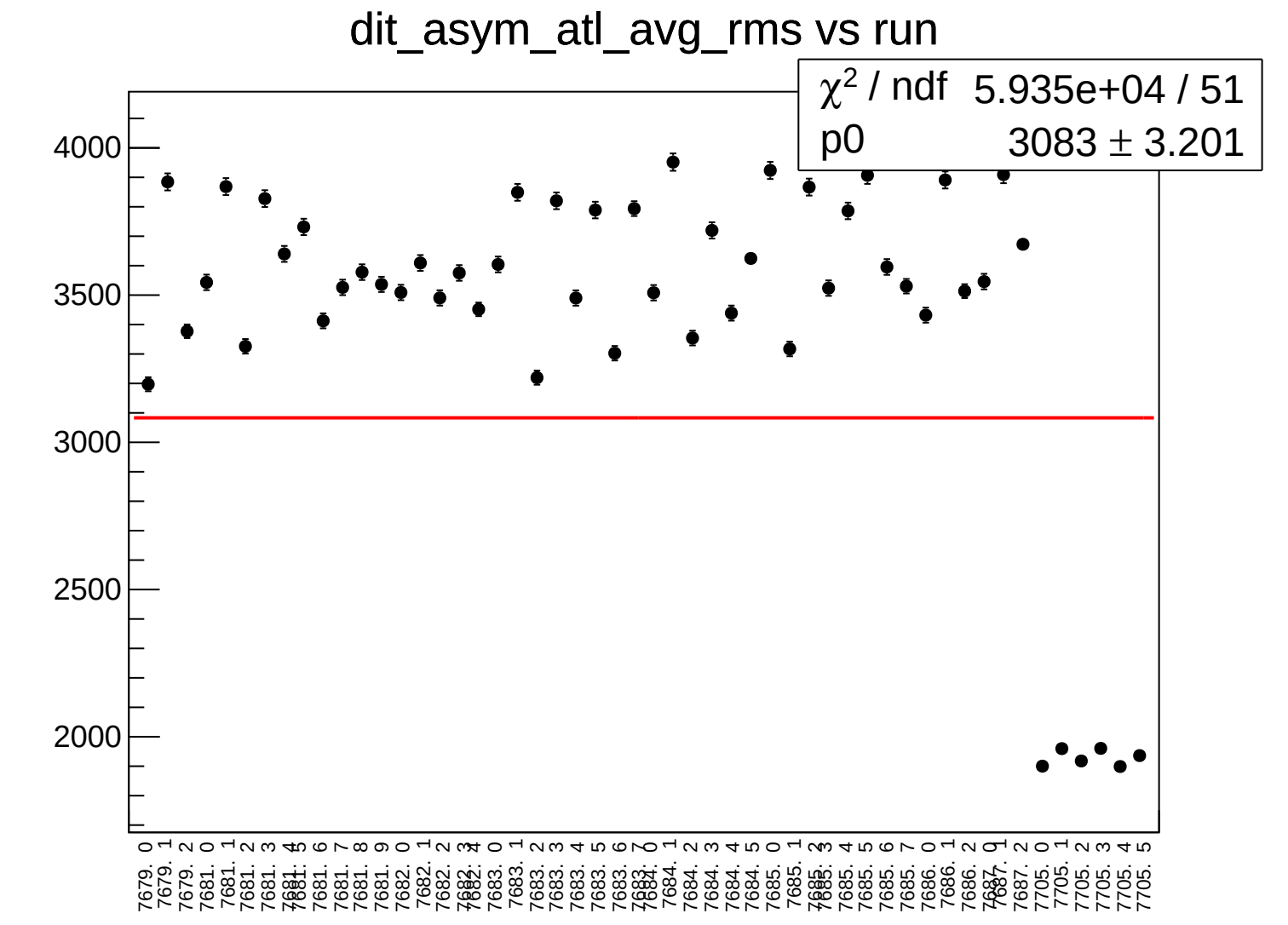

asym_at2_dd_mean vs run
×10^3
χ² / ndf 48.19 / 51
p0 4745 ± 5154
pull
Entries 52
Mean −38.91
Std Dev 75.49

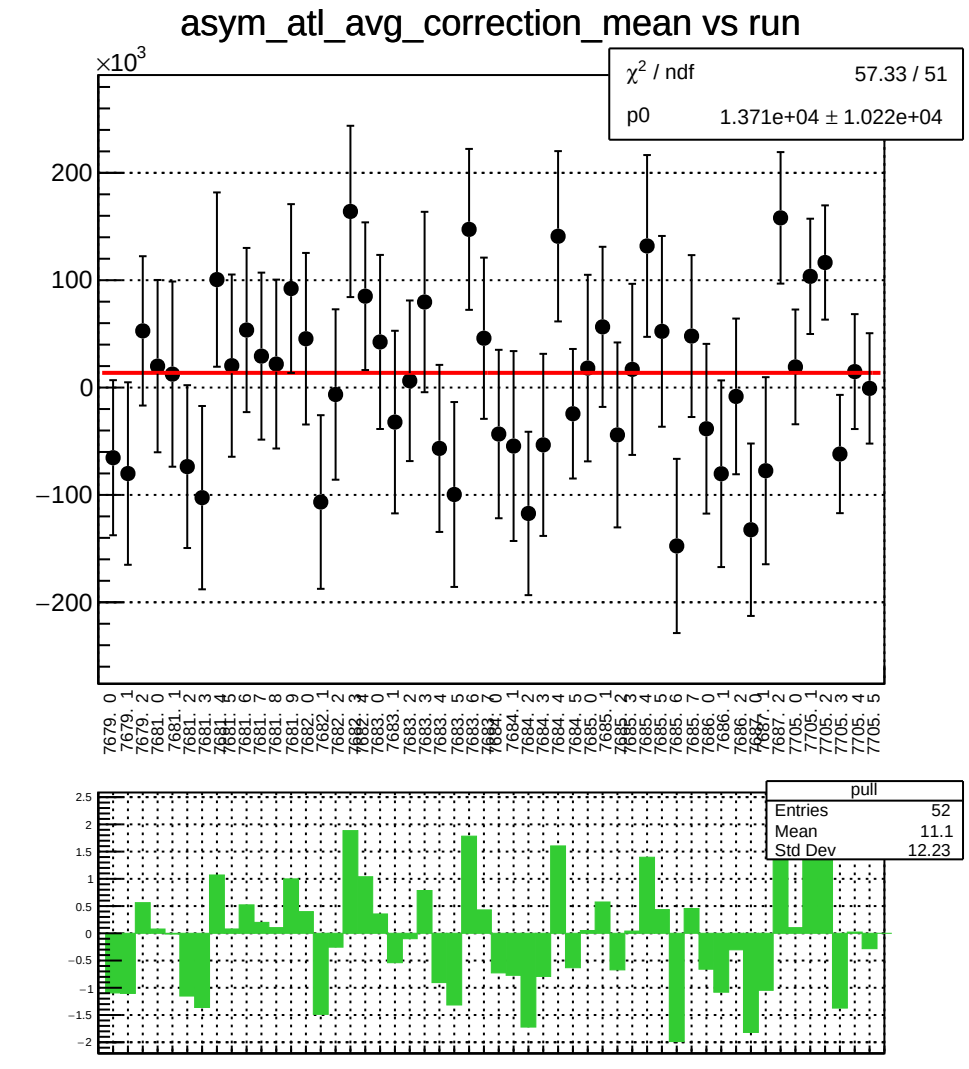

pull1D
Entries 52
Mean 0.02394
Std Dev 0.9624

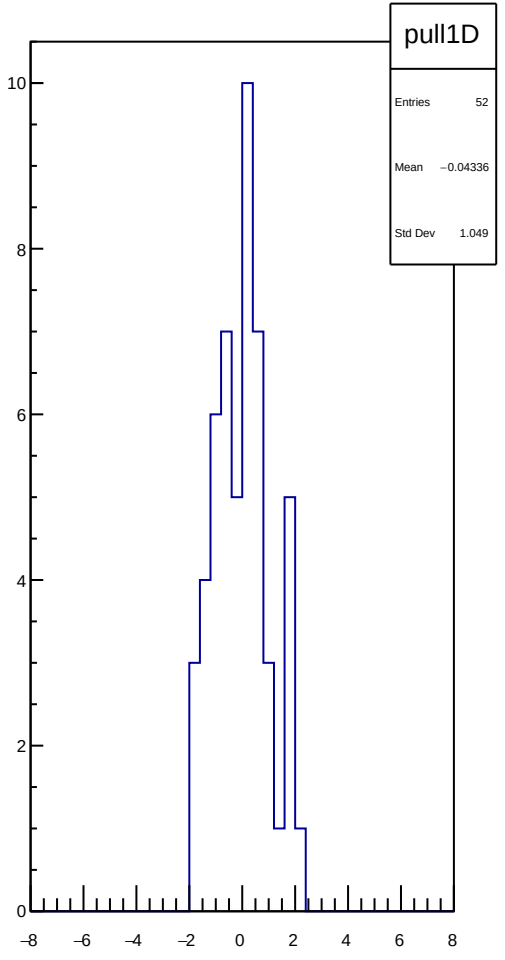

asym_at2_dd_rms vs run
χ^2 / ndf 9635 / 51
p0 3603 ± 3.645
4000
3800
3600
3400
3200
3000
2800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

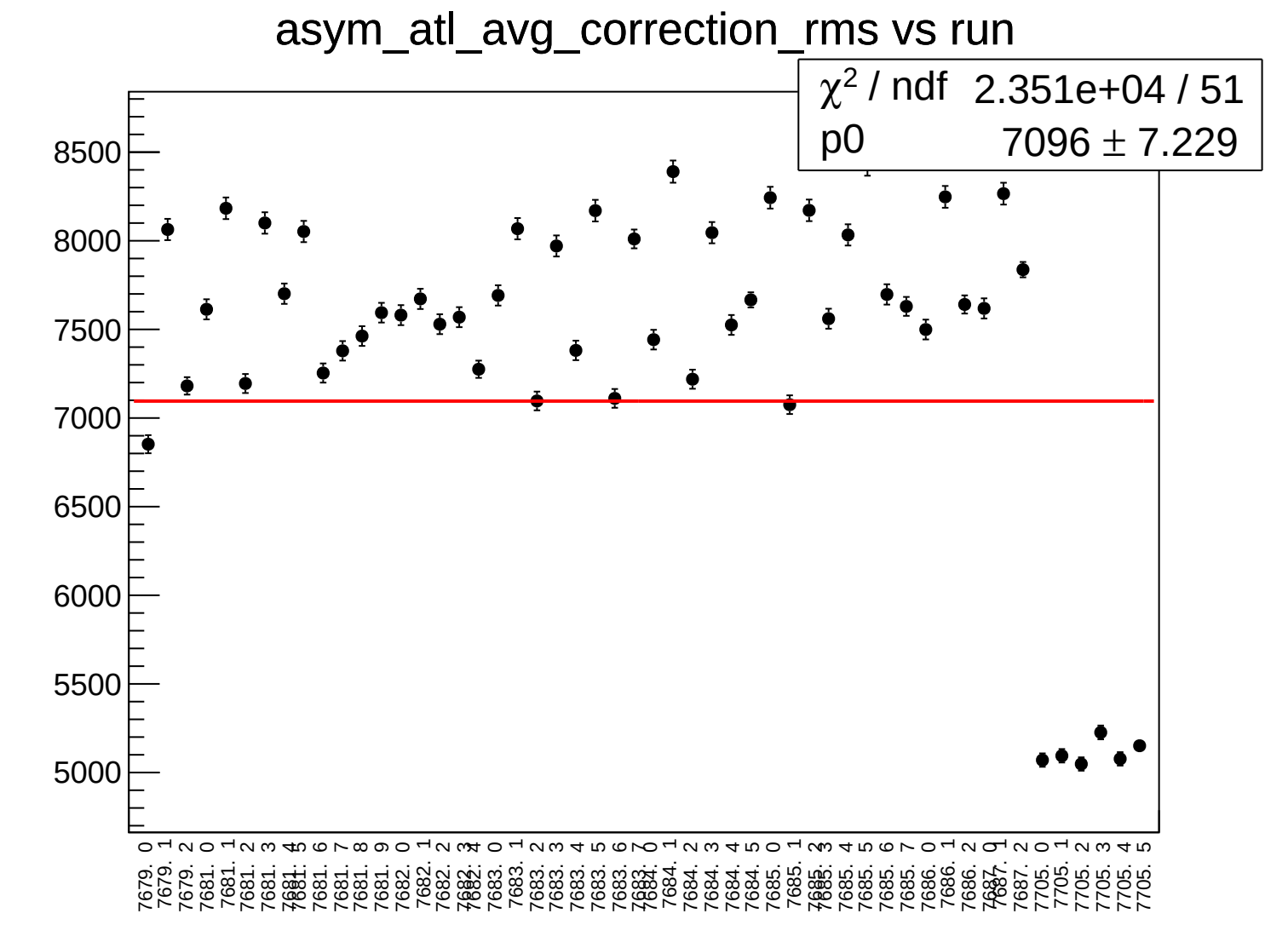

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 58.54 / 51
p0 −28.85 ± 4527
150
100
50
0
−50
−100
pull
Entries 52
Mean −569.3
Std Dev 591.1
3
2
1
0
−1
−2

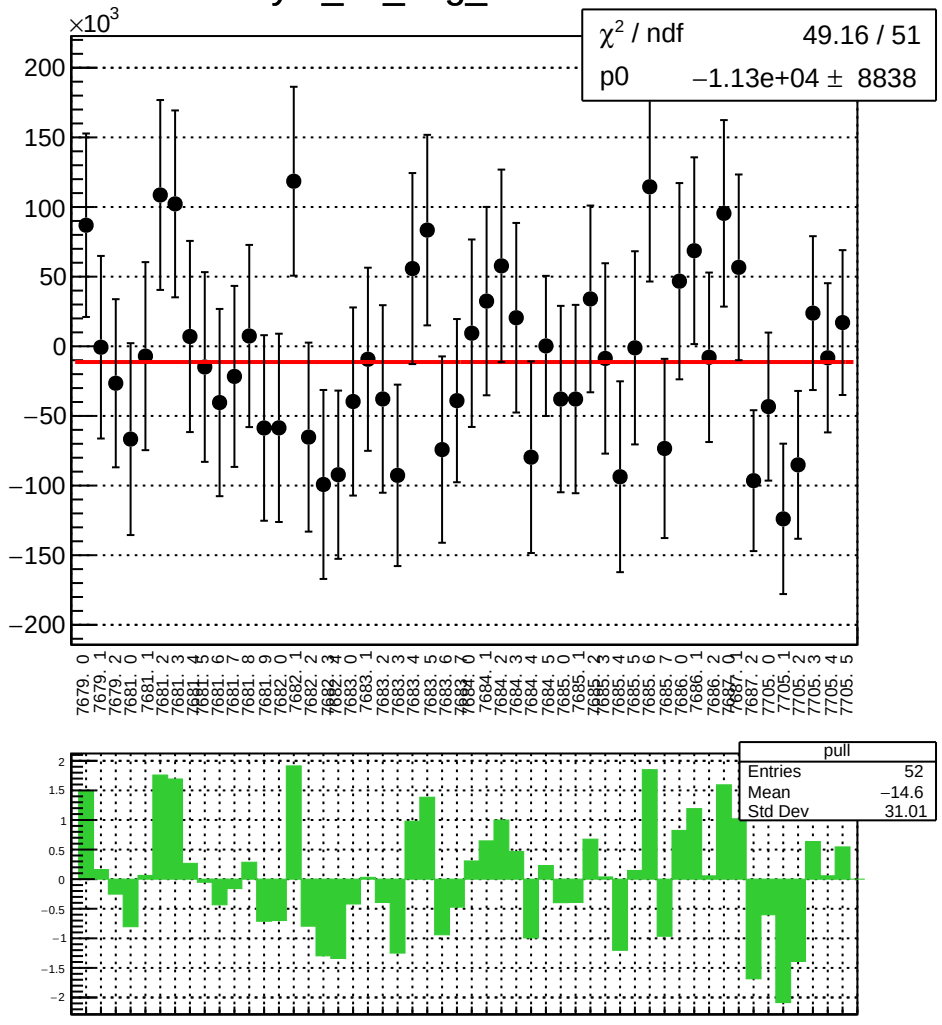

pull1D
Entries 52
Mean 0.002299
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

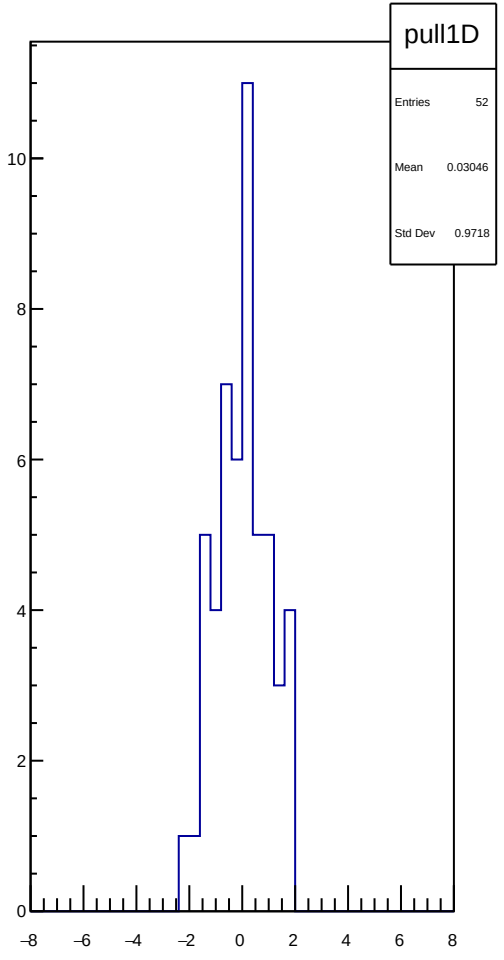

dit_asym_atl_avg_rms vs run
χ² / ndf 5.935e+04 / 51
p0 3083 ± 3.201
4000
3500
3000
2500
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

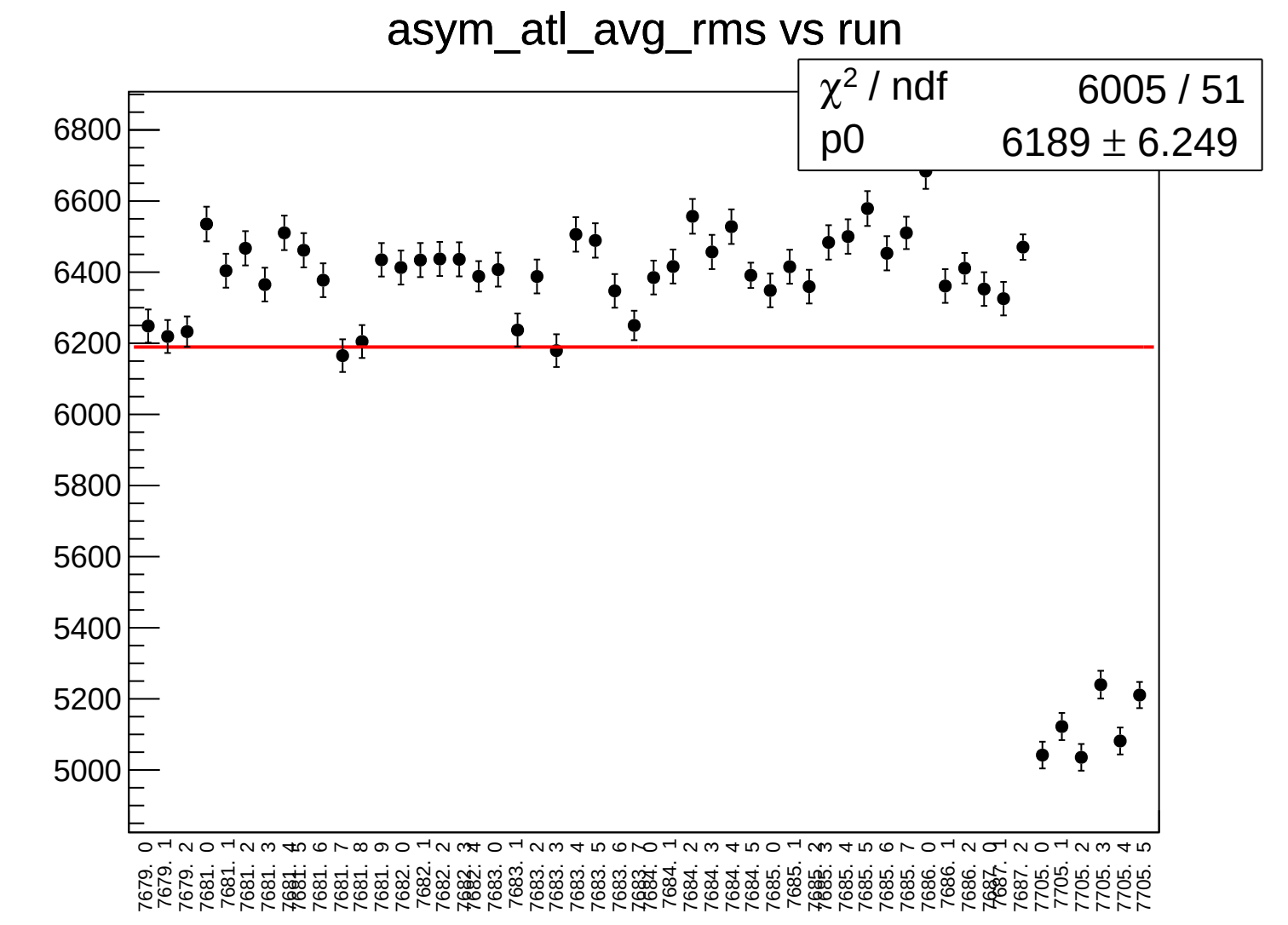

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 57.33 / 51
p0 1.371e+04 ± 1.022e+04
200
100
0
−100
−200
pull
Entries 52
Mean 11.1
Std Dev 12.23
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

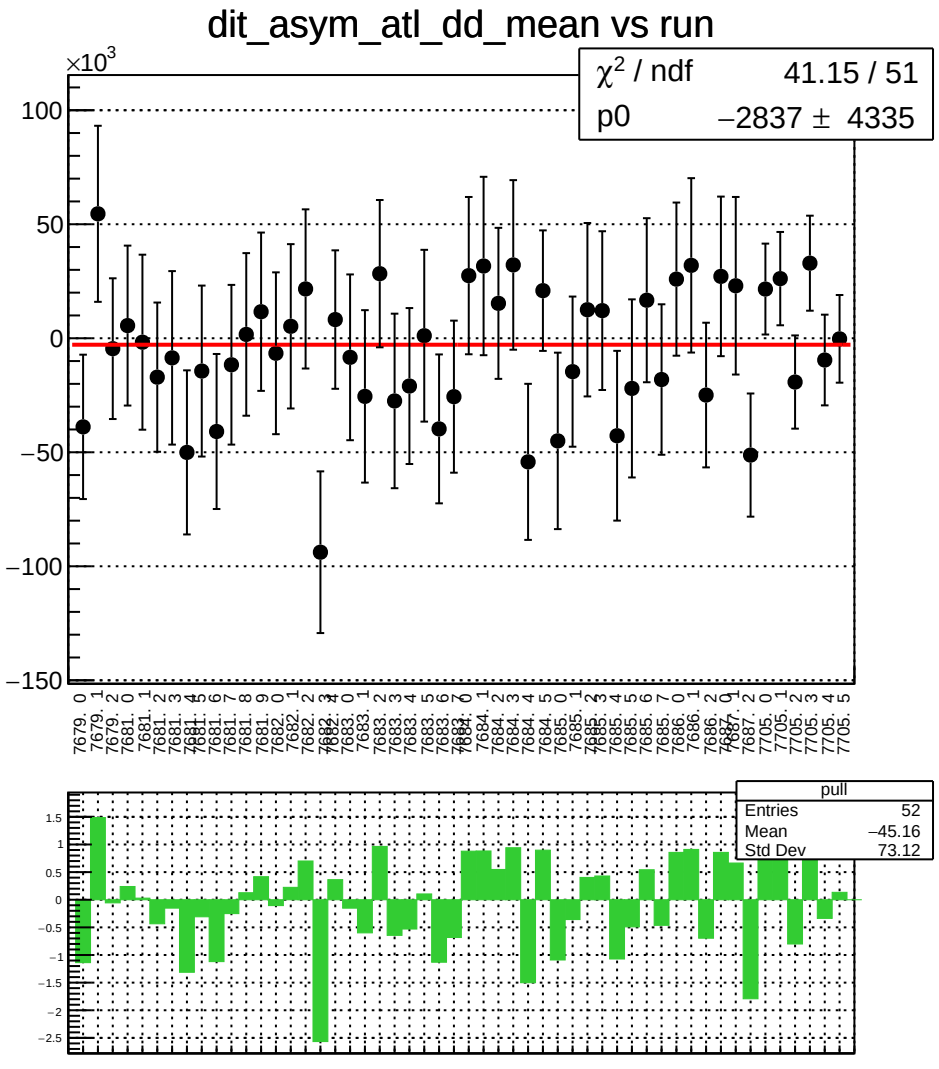

pull1D
Entries 52
Mean −0.04336
Std Dev 1.049
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

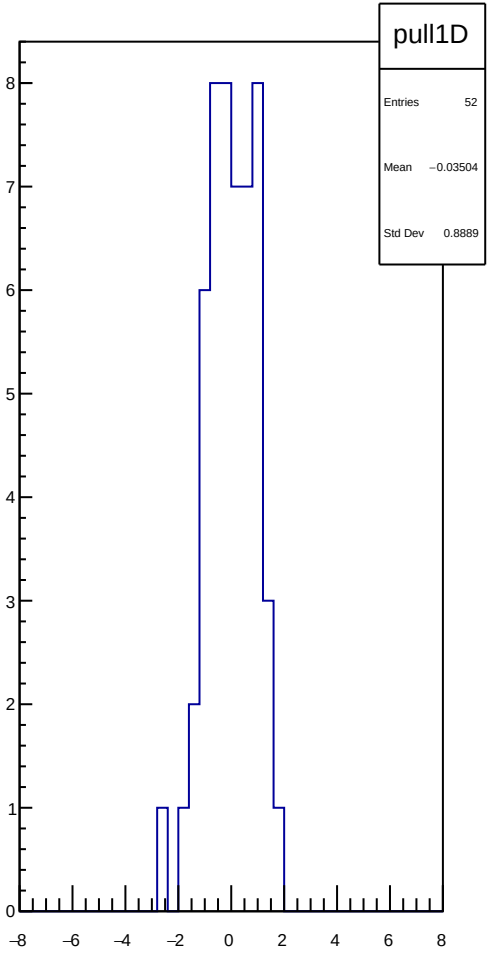

asym_atl_avg_correction_rms vs run
χ^2 / ndf 2.351e+04 / 51
p0 7096 ± 7.229
8500
8000
7500
7000
6500
6000
5500
5000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

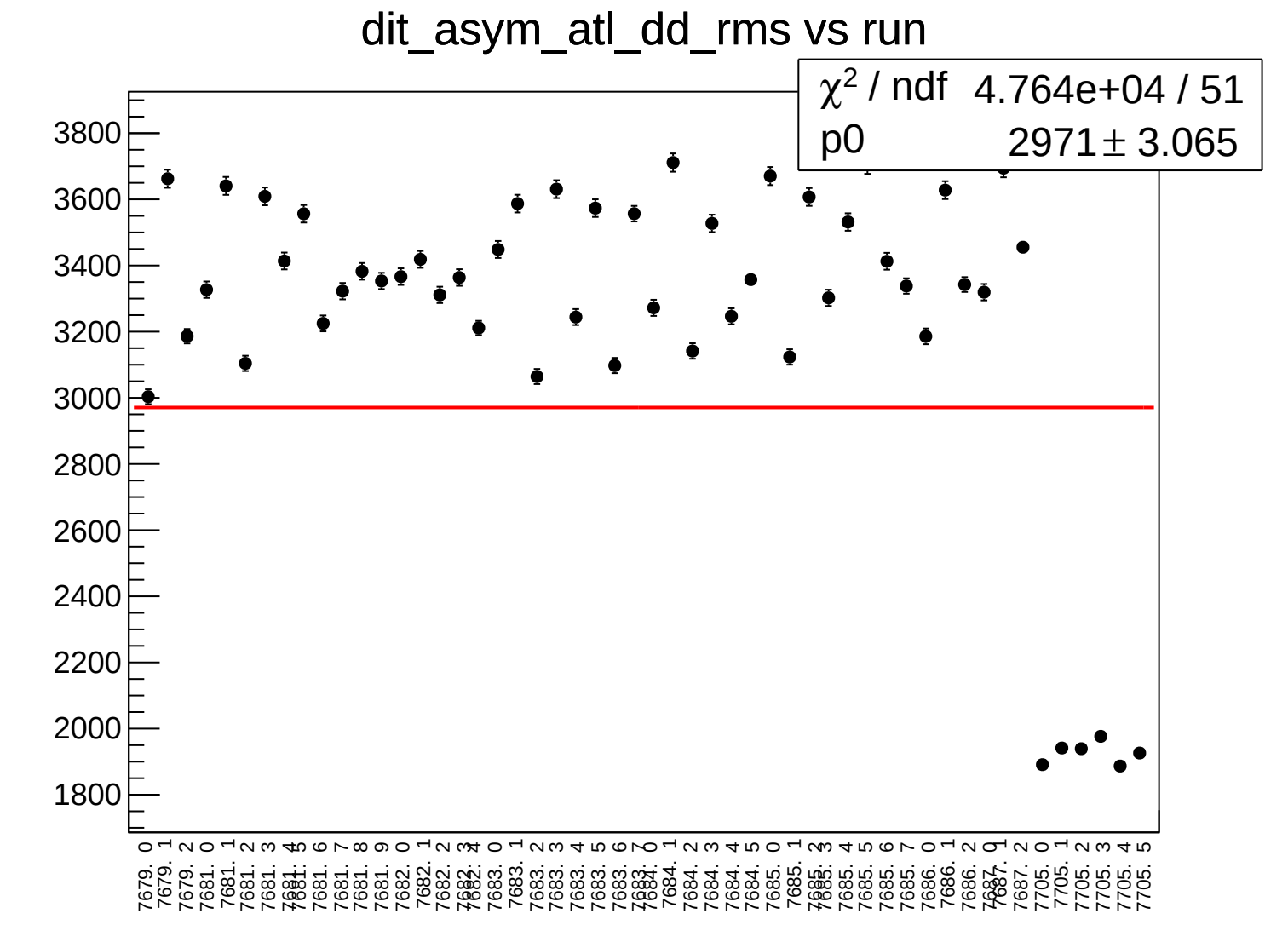

asym_atl_avg_mean vs run
×10^3
χ² / ndf 49.16 / 51
p0 −1.13e+04 ± 8838
pull
Entries 52
Mean −14.6
Std Dev 31.01

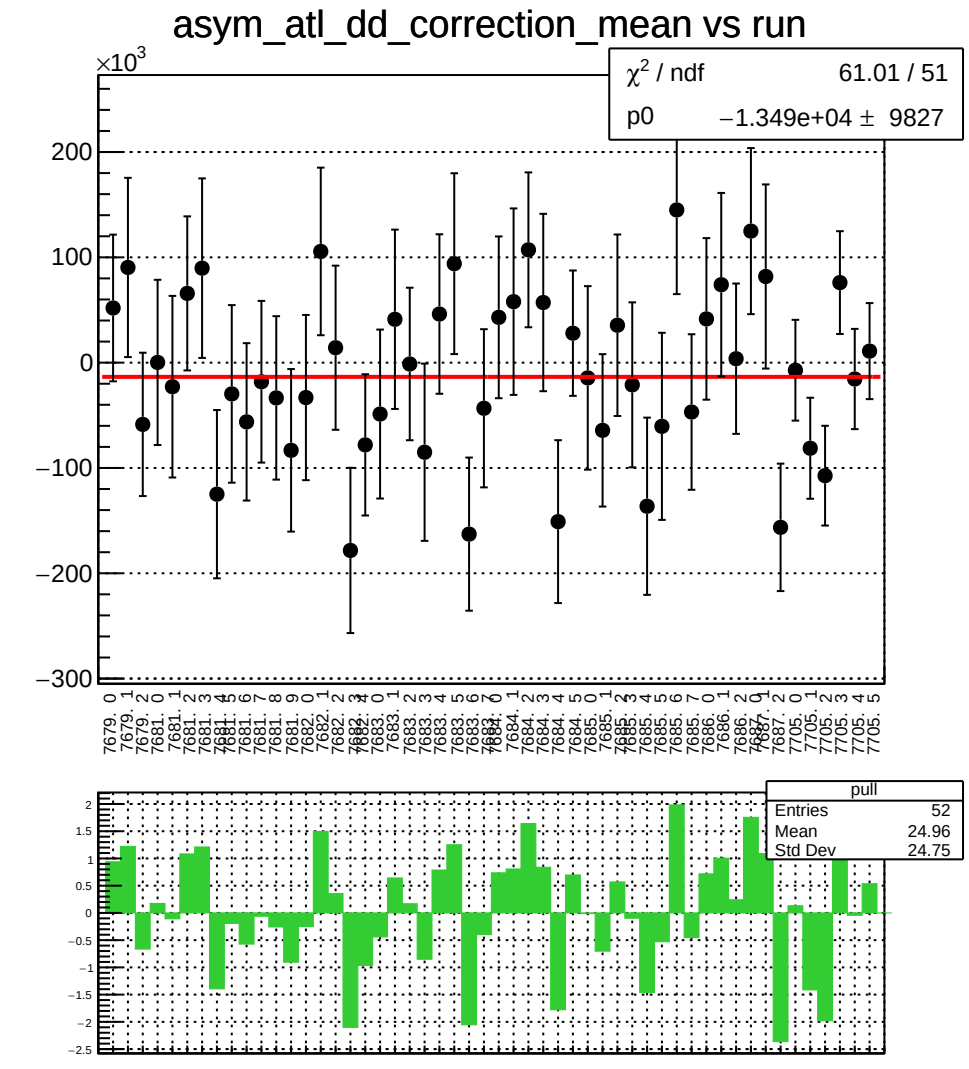

pull1D
Entries 52
Mean 0.03046
Std Dev 0.9718

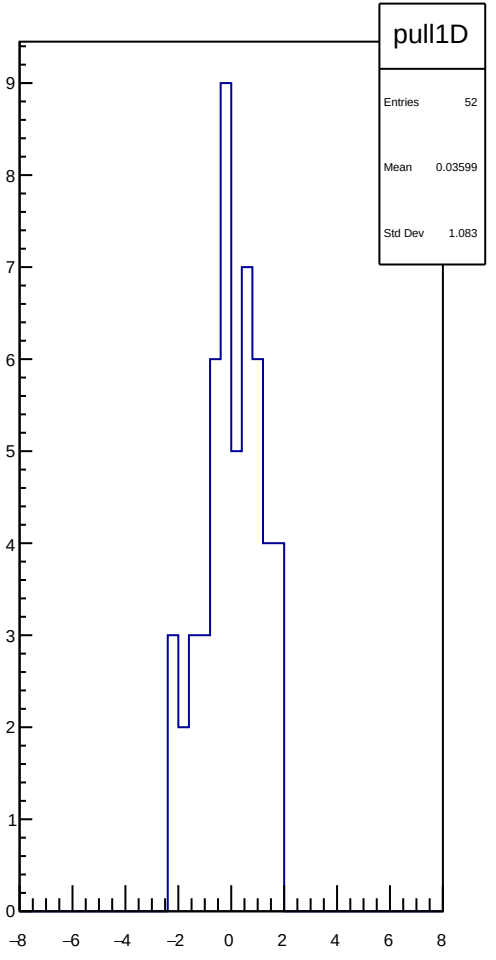

asym_atl_avg_rms vs run
χ² / ndf 6005 / 51
p0 6189 ± 6.249
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

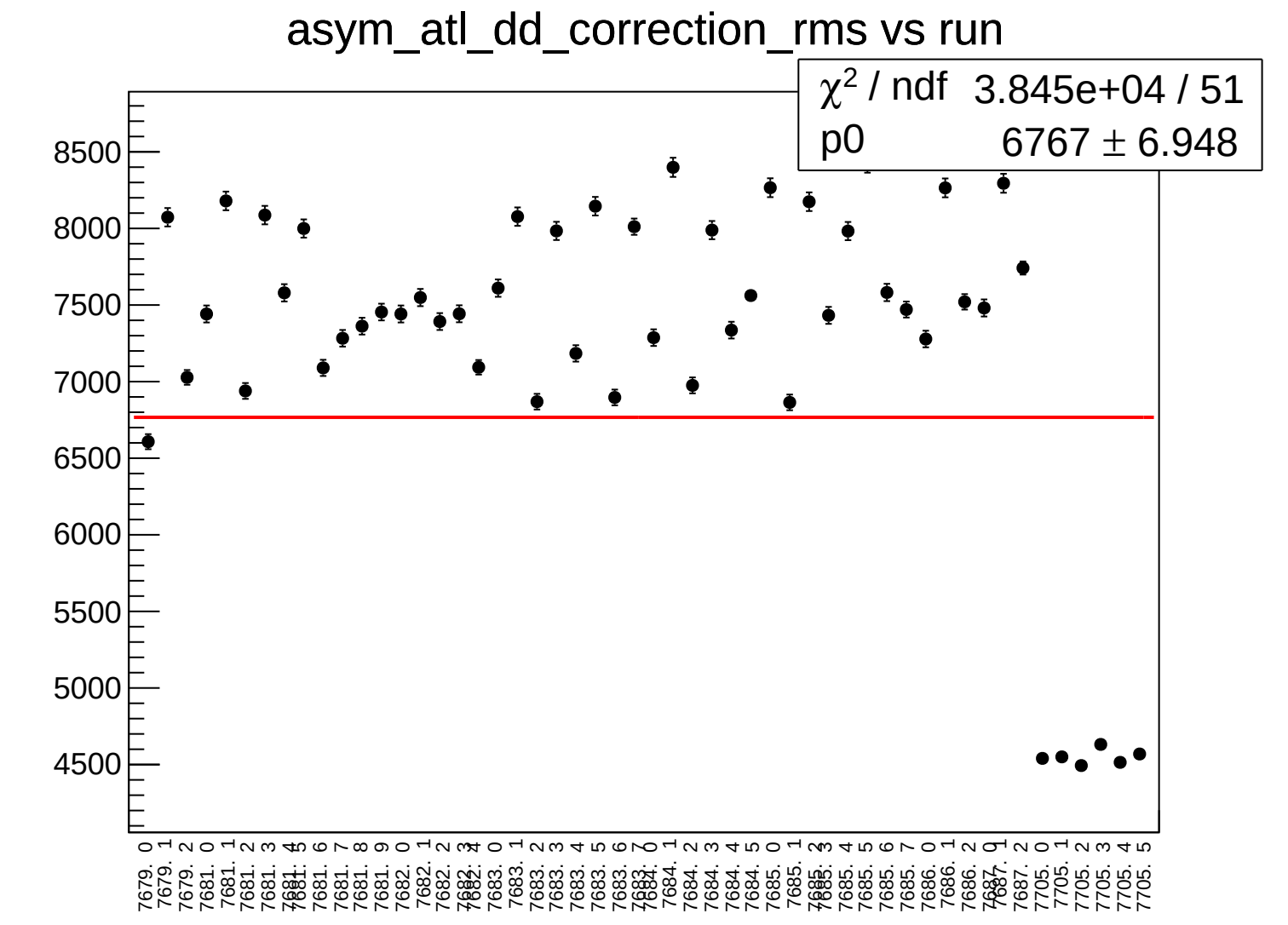

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 41.15 / 51
p0 −2837 ± 4335
pull
Entries 52
Mean −45.16
Std Dev 73.12

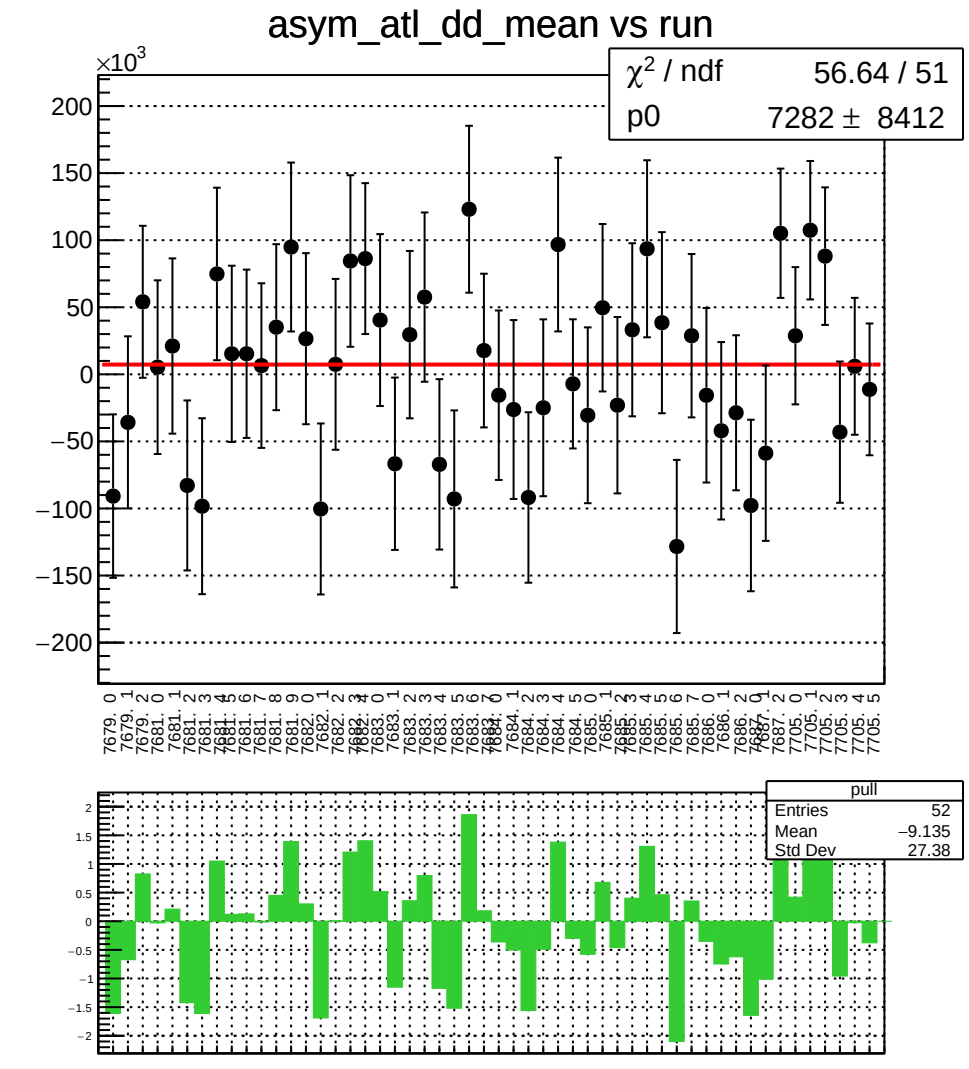

pull1D
Entries 52
Mean −0.03504
Std Dev 0.8889

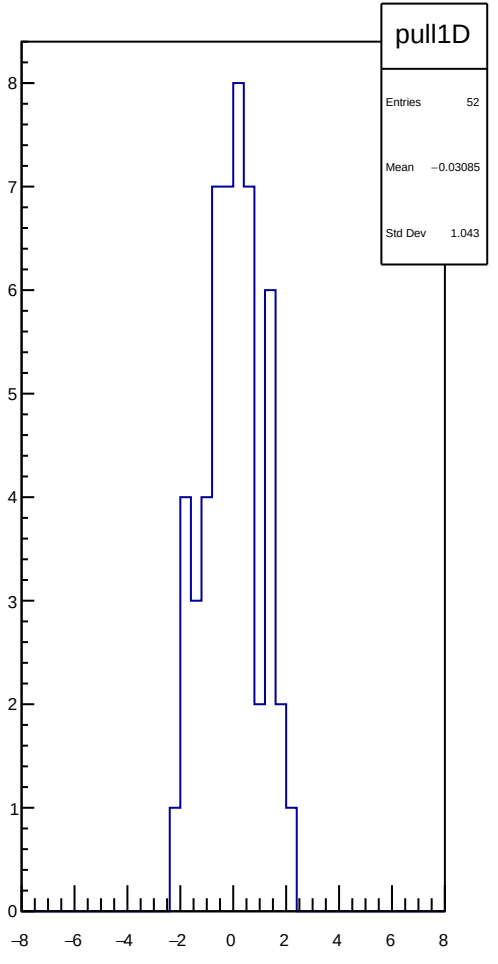

dit_asym_atl_dd_rms vs run
χ² / ndf 4.764e+04 / 51
p0 2971 ± 3.065
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

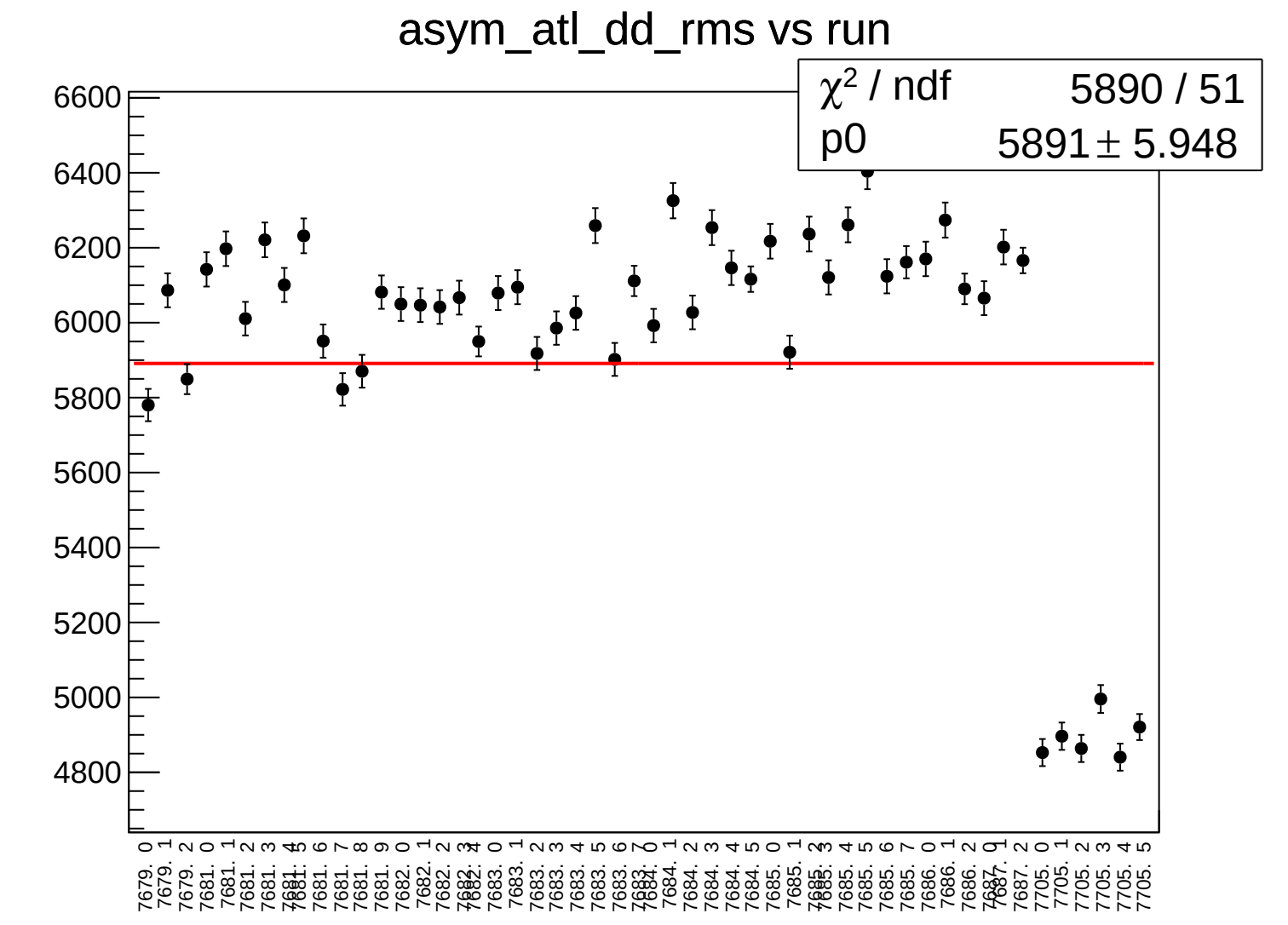

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 61.01 / 51
p0 −1.349e+04 ± 9827
200
100
0
−100
−200
−300
pull
Entries 52
Mean 24.96
Std Dev 24.75
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

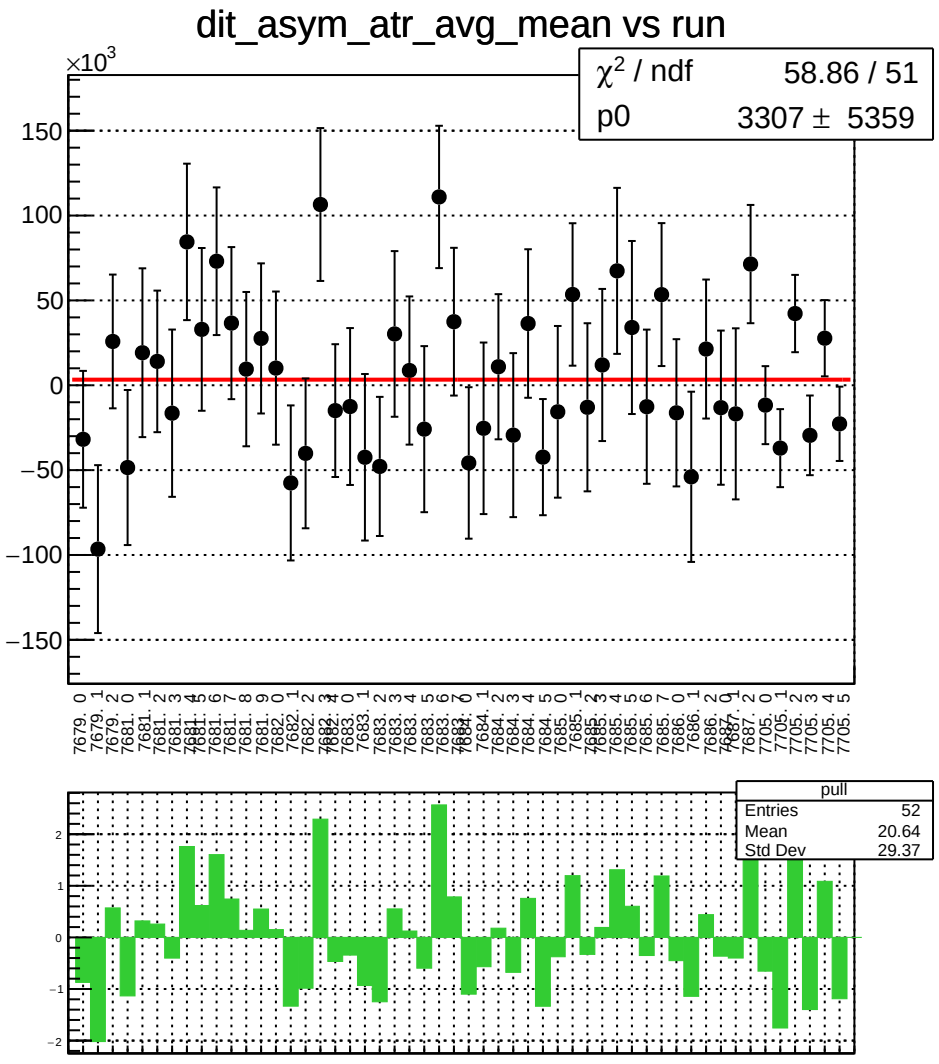

pull1D
Entries 52
Mean 0.03599
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

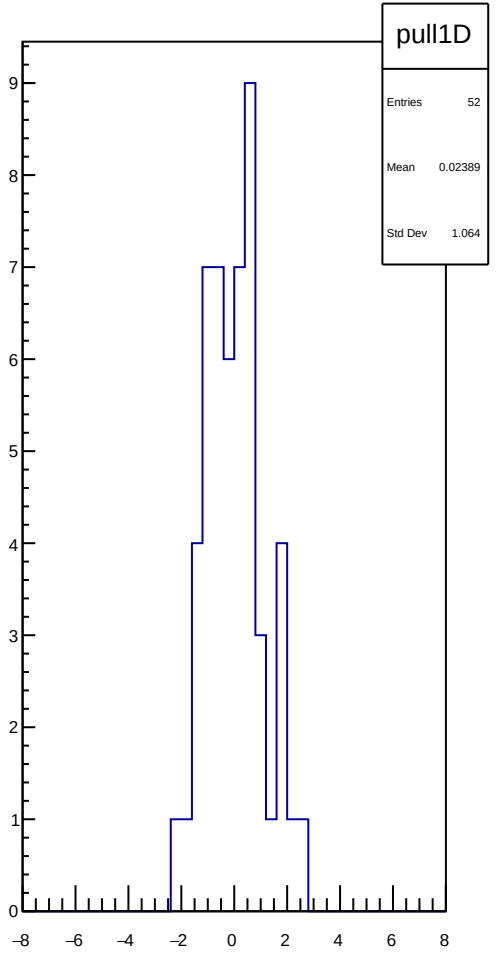

asym_atl_dd_correction_rms vs run
χ² / ndf 3.845e+04 / 51
p0 6767 ± 6.948
8500
8000
7500
7000
6500
6000
5500
5000
4500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

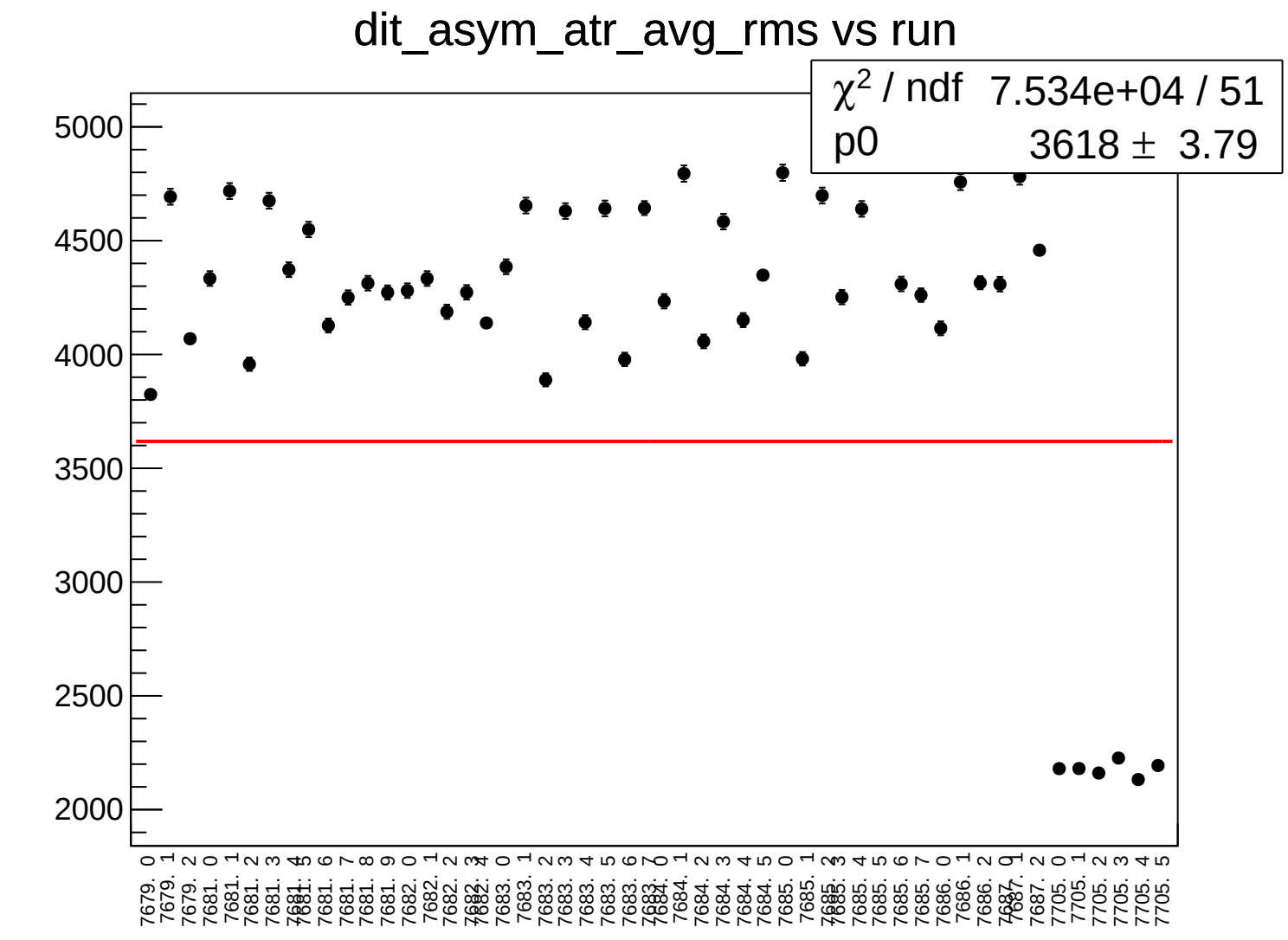

asym_atl_dd_mean vs run
×10^3
χ² / ndf 56.64 / 51
p0 7282 ± 8412
pull
Entries 52
Mean −9.135
Std Dev 27.38

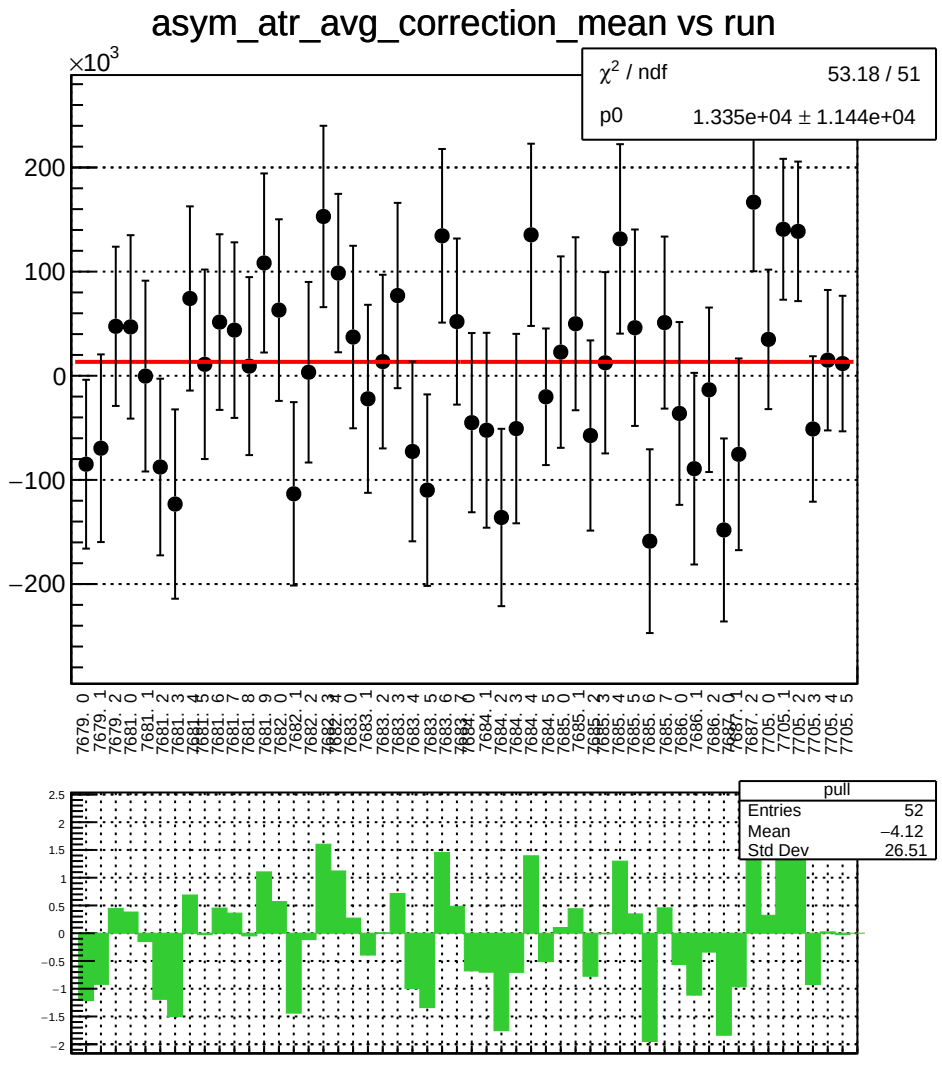

pull1D
Entries 52
Mean −0.03085
Std Dev 1.043

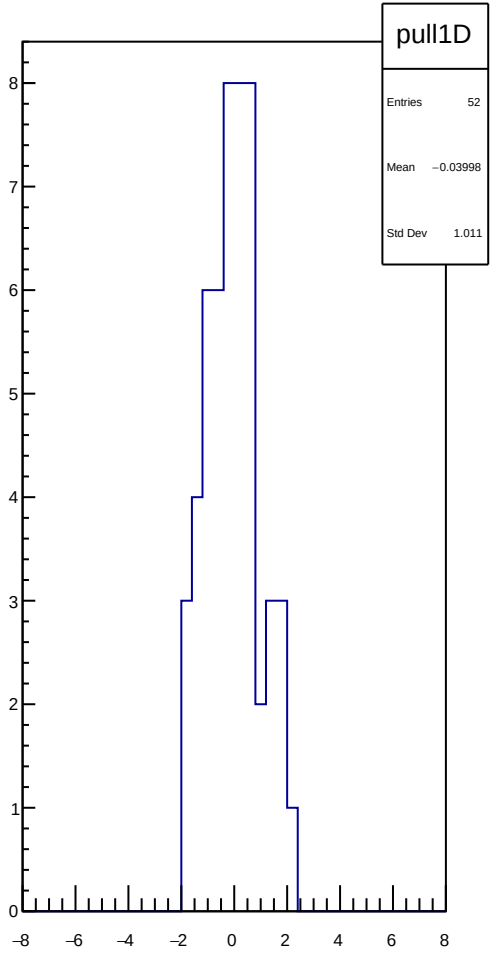

asym_atl_dd_rms vs run
χ² / ndf 5890 / 51
p0 5891 ± 5.948
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

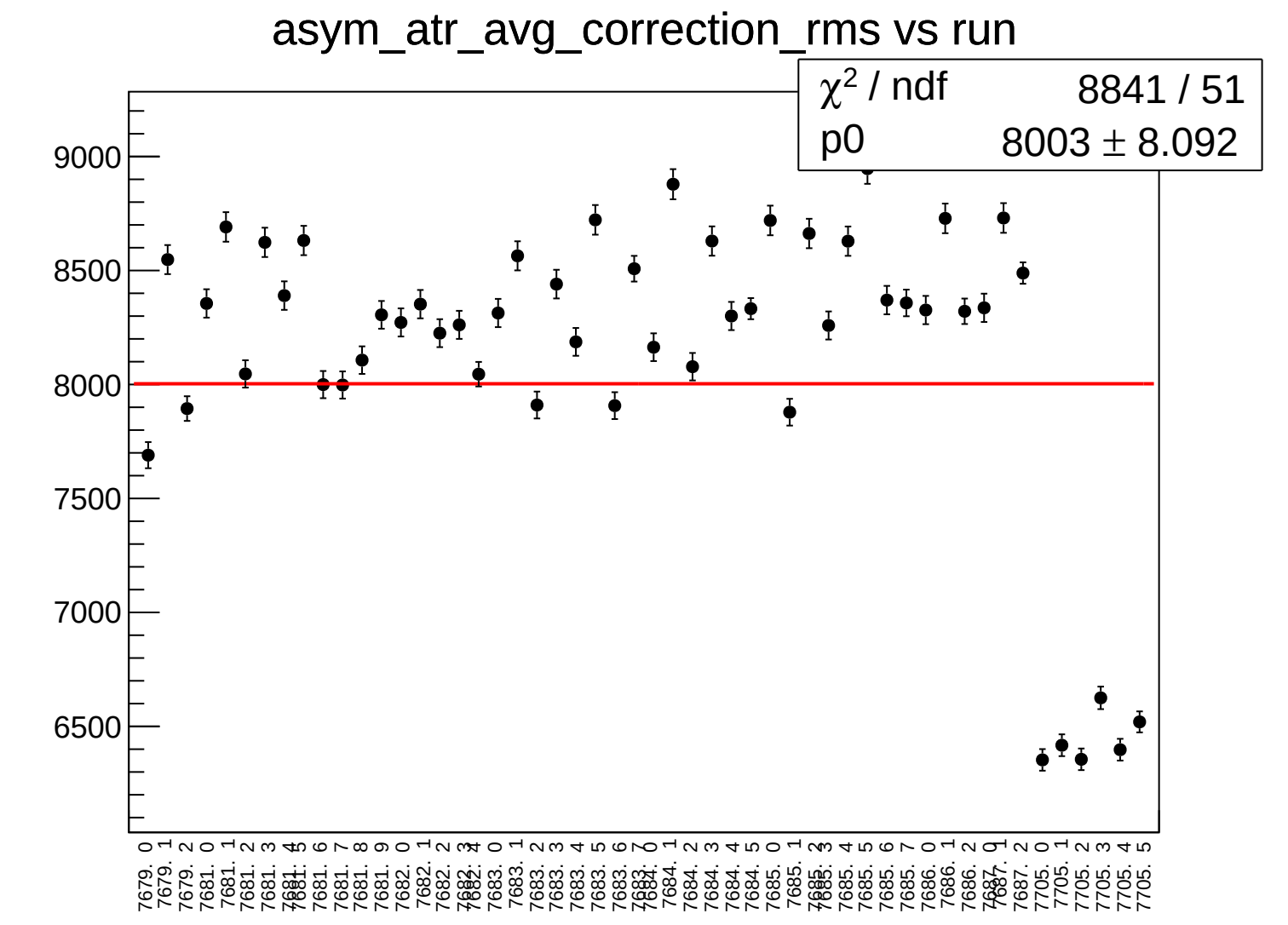

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 58.86 / 51
p0 3307 ± 5359
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 20.64
Std Dev 29.37
2
1
0
−1
−2

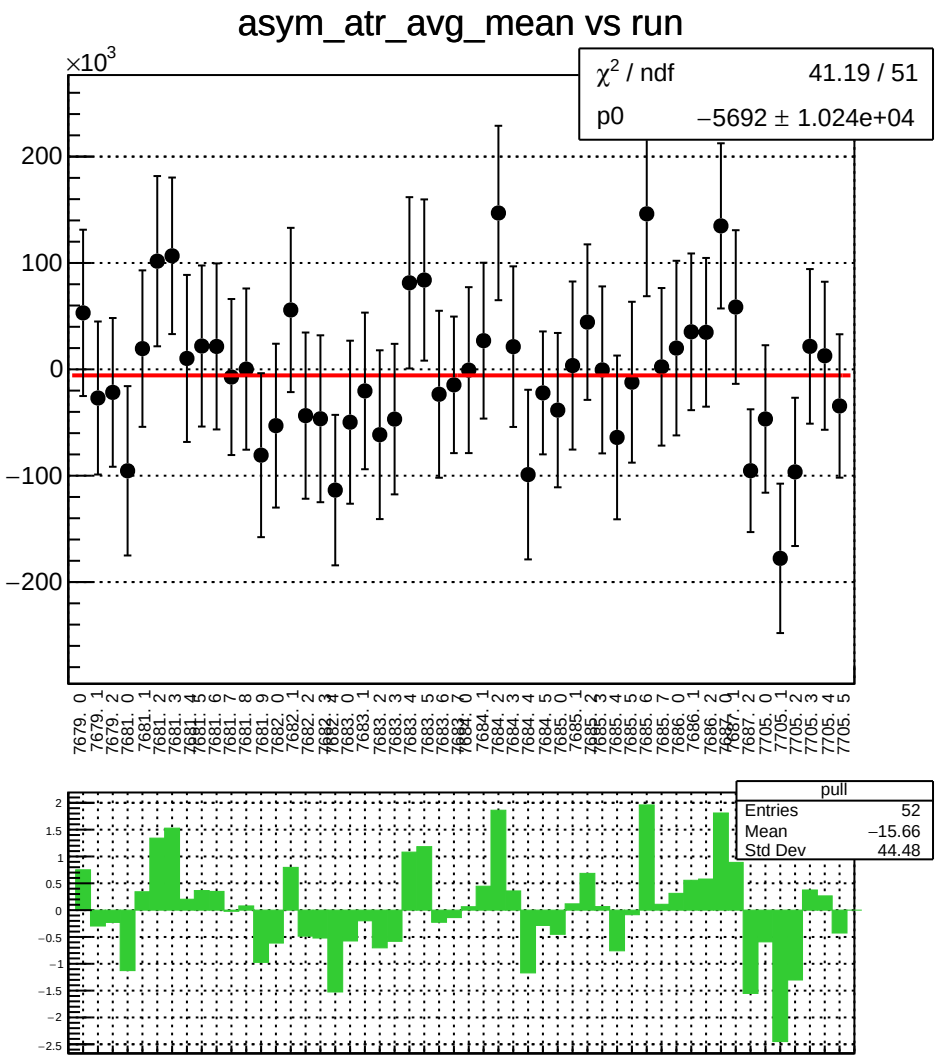

pull1D
Entries 52
Mean 0.02389
Std Dev 1.064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

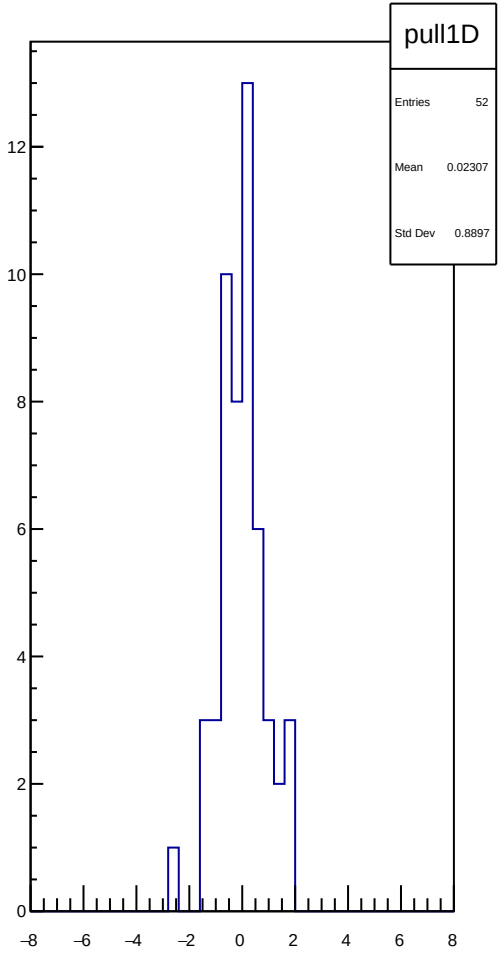

dit_asym_atr_avg_rms vs run
χ² / ndf 7.534e+04 / 51
p0 3618 ± 3.79
5000
4500
4000
3500
3000
2500
2000

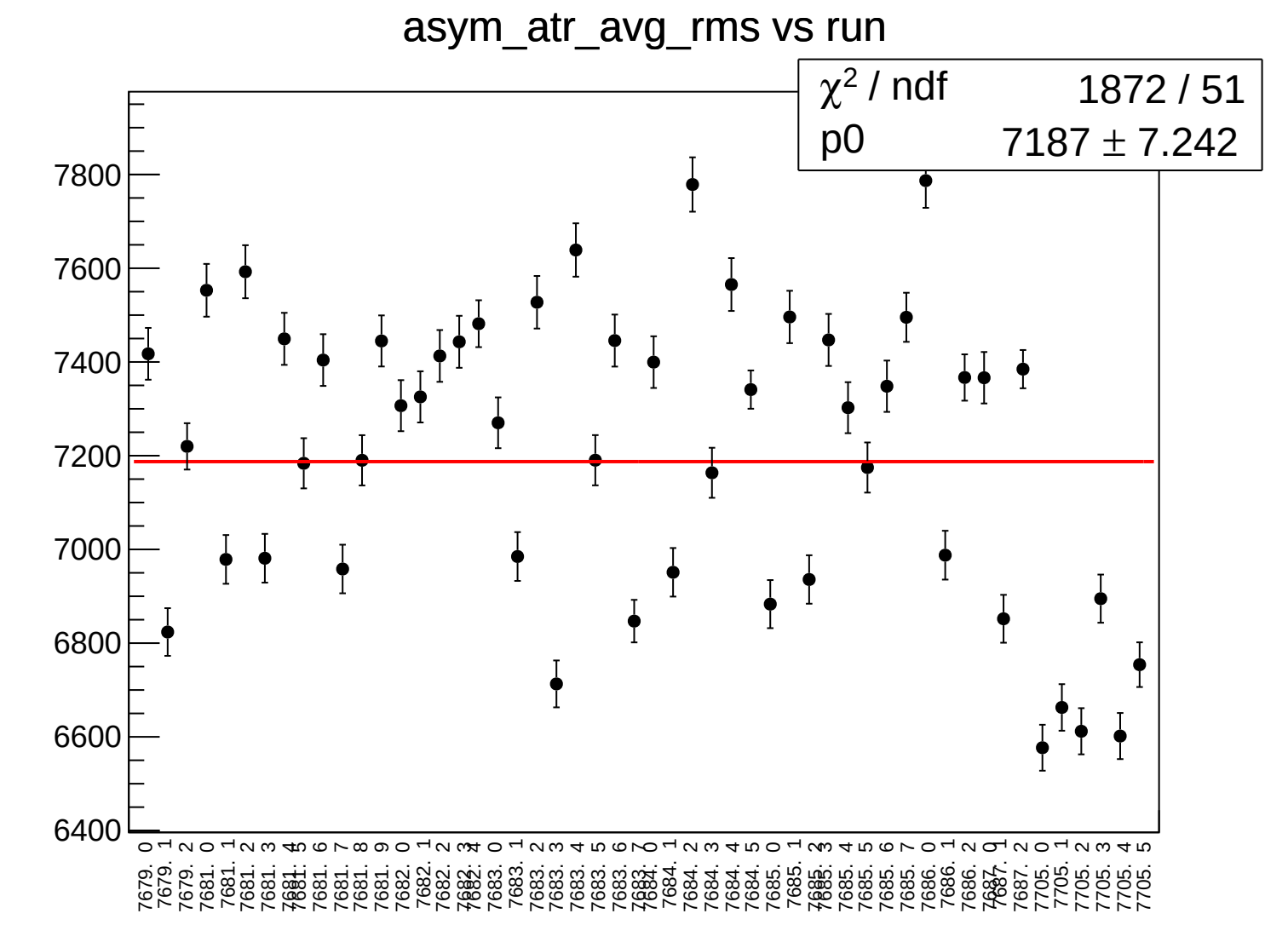

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 53.18 / 51
p0 1.335e+04 ± 1.144e+04
200
100
0
−100
−200
pull
Entries 52
Mean −4.12
Std Dev 26.51
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

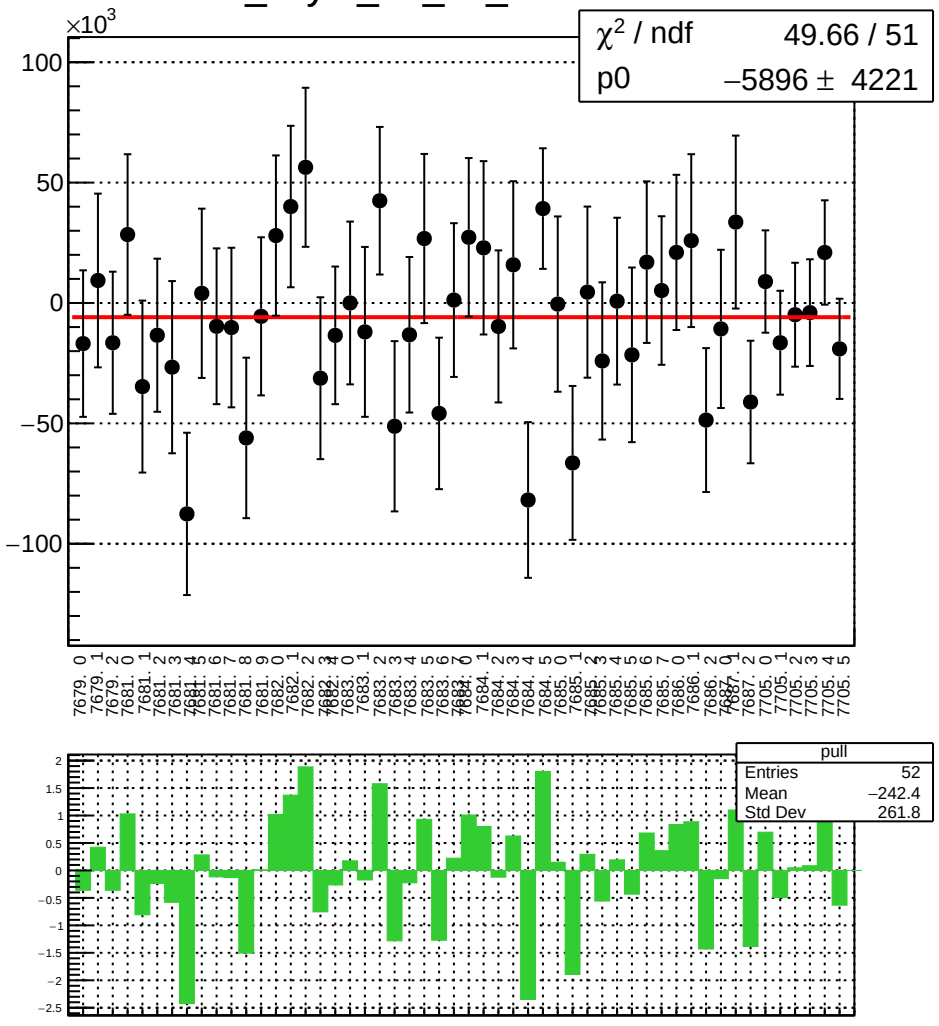

pull1D
Entries 52
Mean −0.03998
Std Dev 1.011
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

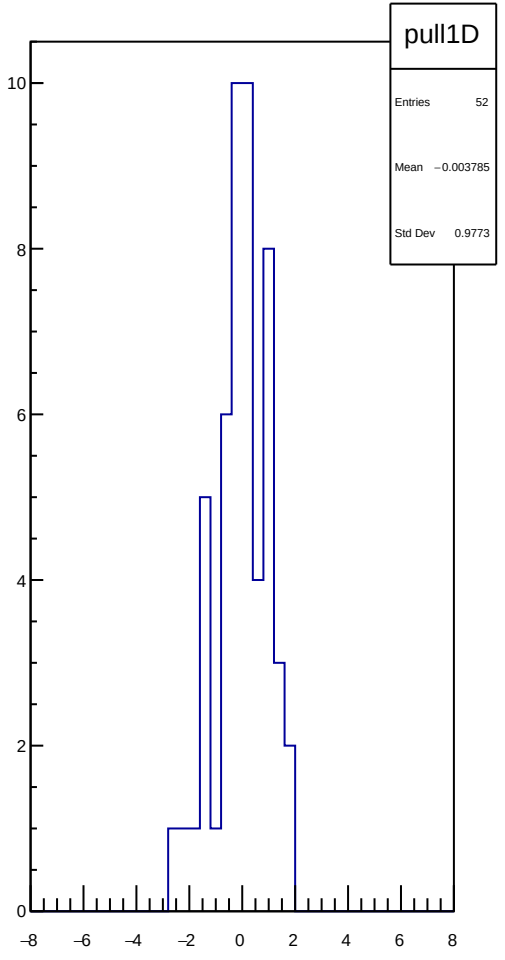

asym_atr_avg_correction_rms vs run
χ^2 / ndf 8841 / 51
p0 8003 ± 8.092
9000
8500
8000
7500
7000
6500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

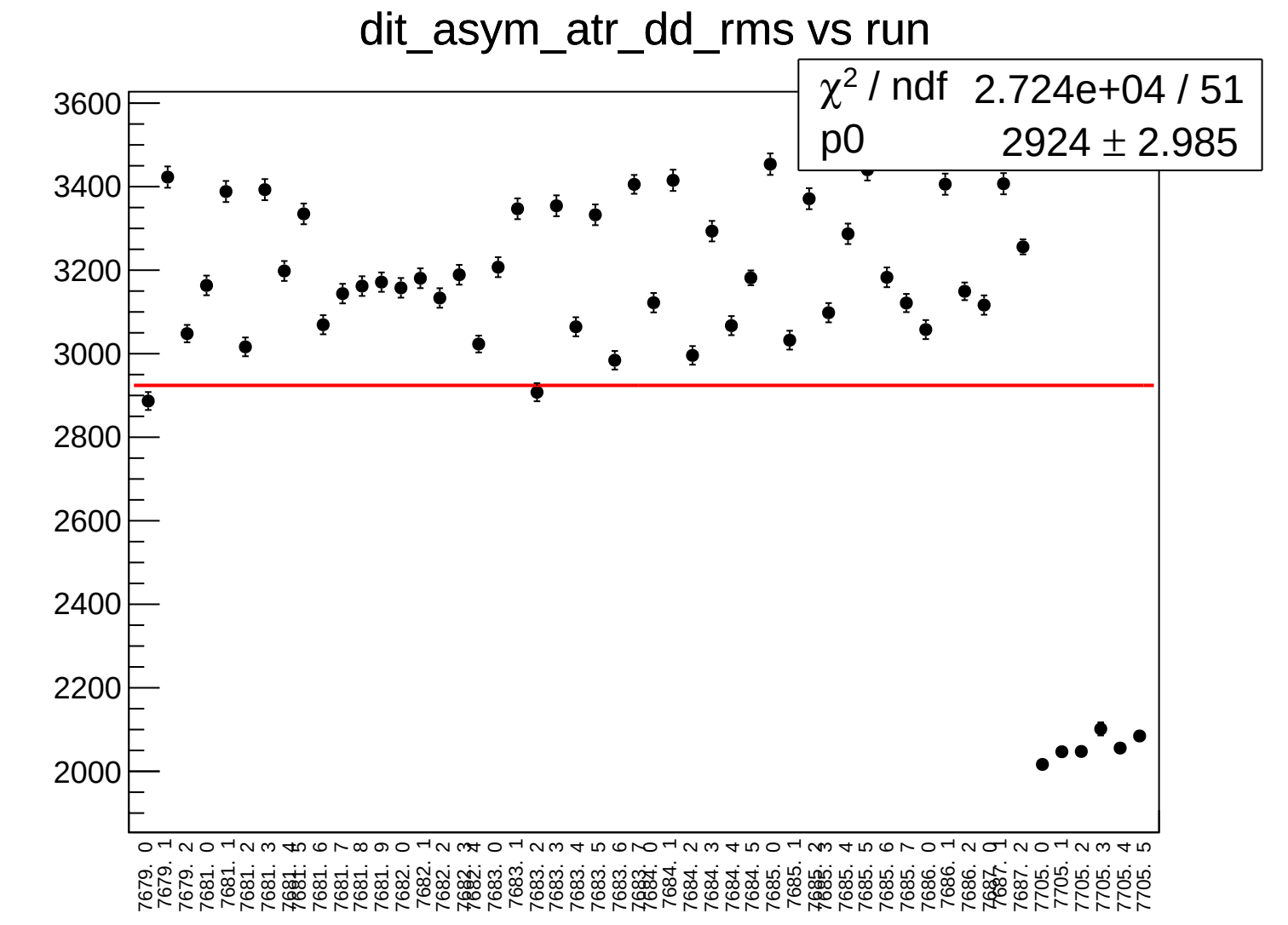

asym_atr_avg_mean vs run
×10^3
χ² / ndf 41.19 / 51
p0 −5692 ± 1.024e+04
200
100
0
−100
−200
pull
Entries 52
Mean −15.66
Std Dev 44.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

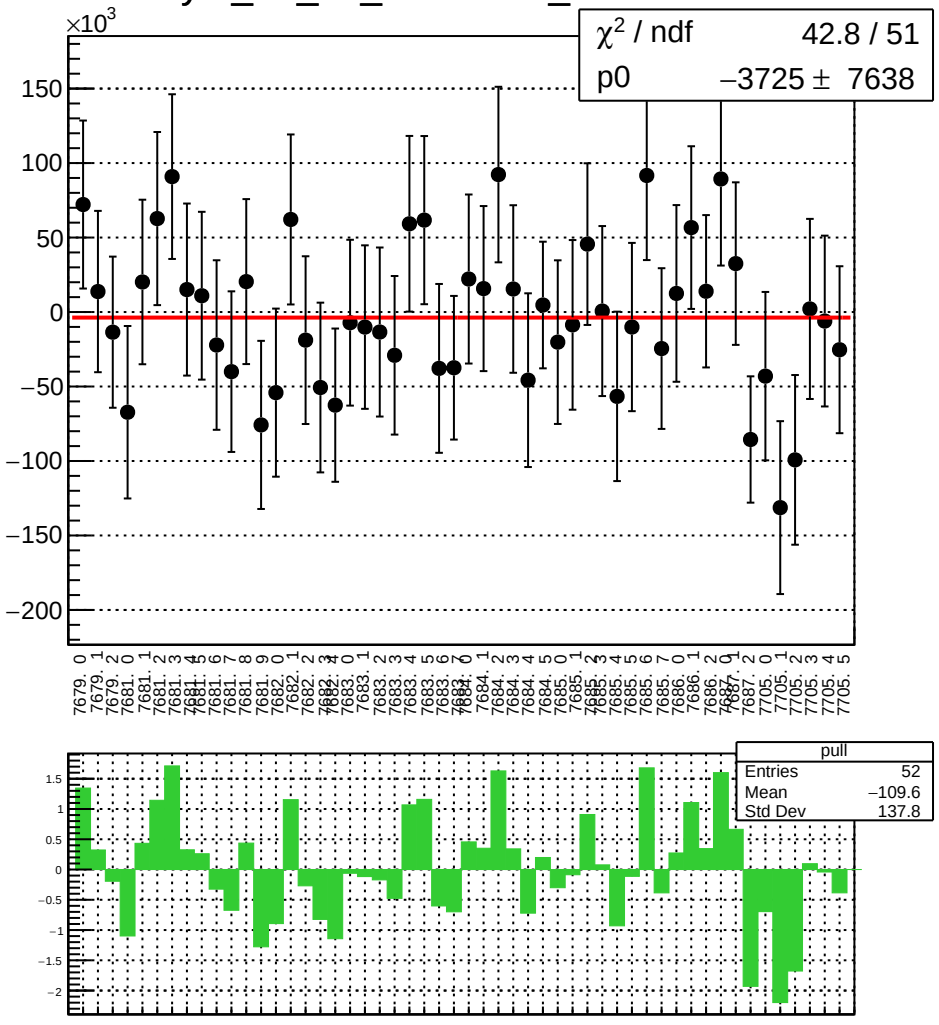

pull1D
Entries 52
Mean 0.02307
Std Dev 0.8897
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

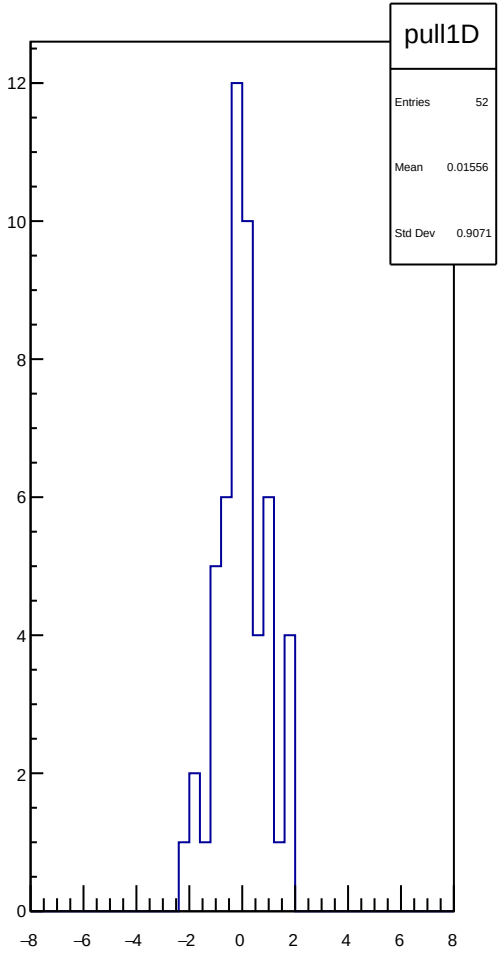

asym_atr_avg_rms vs run
χ² / ndf 1872 / 51
p0 7187 ± 7.242
7800
7600
7400
7200
7000
6800
6600
6400
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

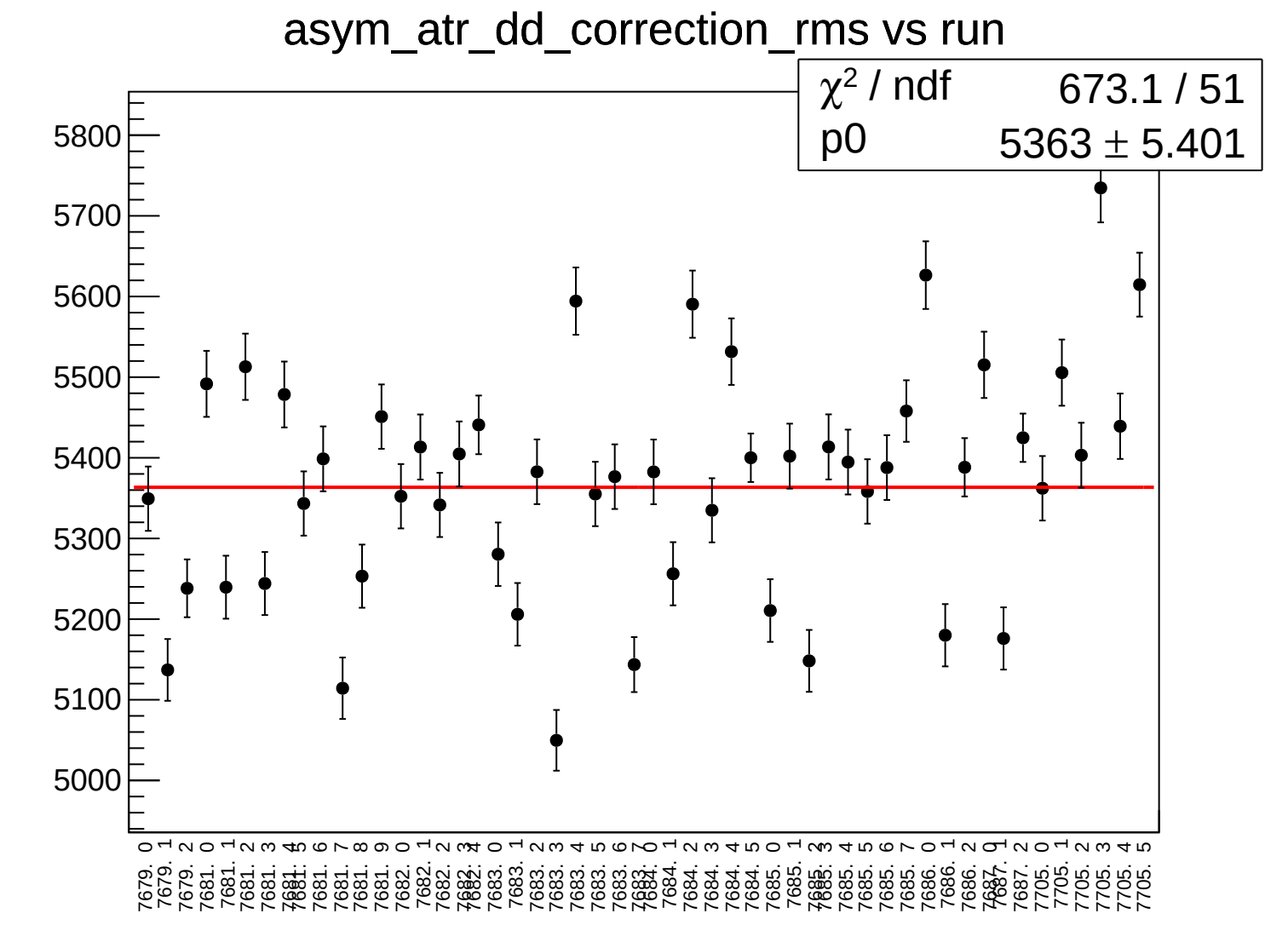

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 49.66 / 51
p0 −5896 ± 4221
100
50
0
−50
−100
pull
Entries 52
Mean −242.4
Std Dev 261.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

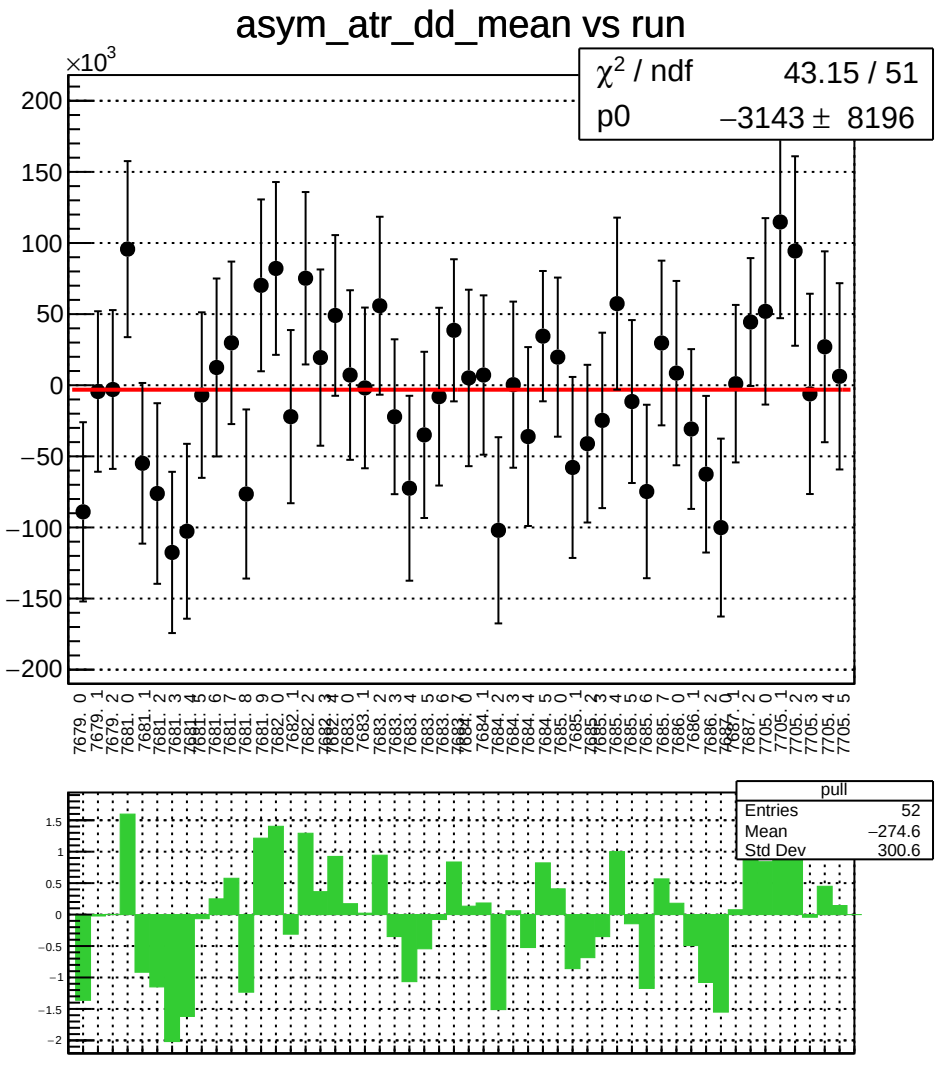

pull1D
Entries 52
Mean −0.003785
Std Dev 0.9773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

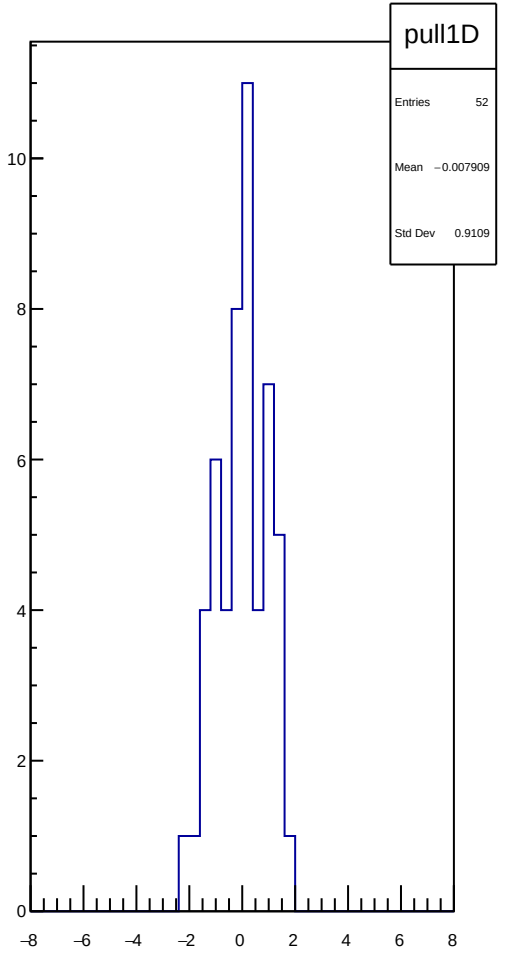

dit_asym_atr_dd_rms vs run
χ² / ndf 2.724e+04 / 51
p0 2924 ± 2.985
3600
3400
3200
3000
2800
2600
2400
2200
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

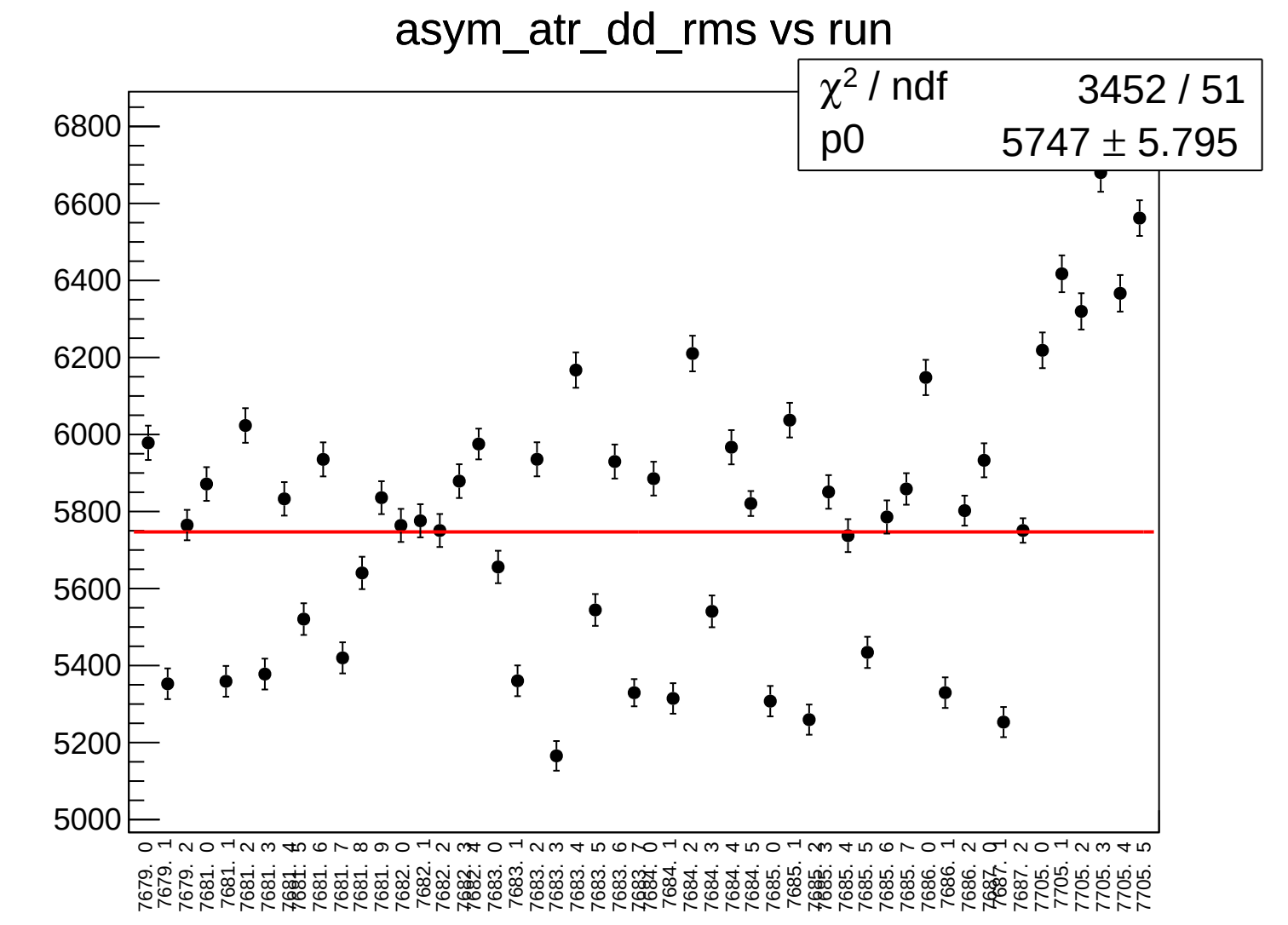

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 42.8 / 51
p0 −3725 ± 7638
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean −109.6
Std Dev 137.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

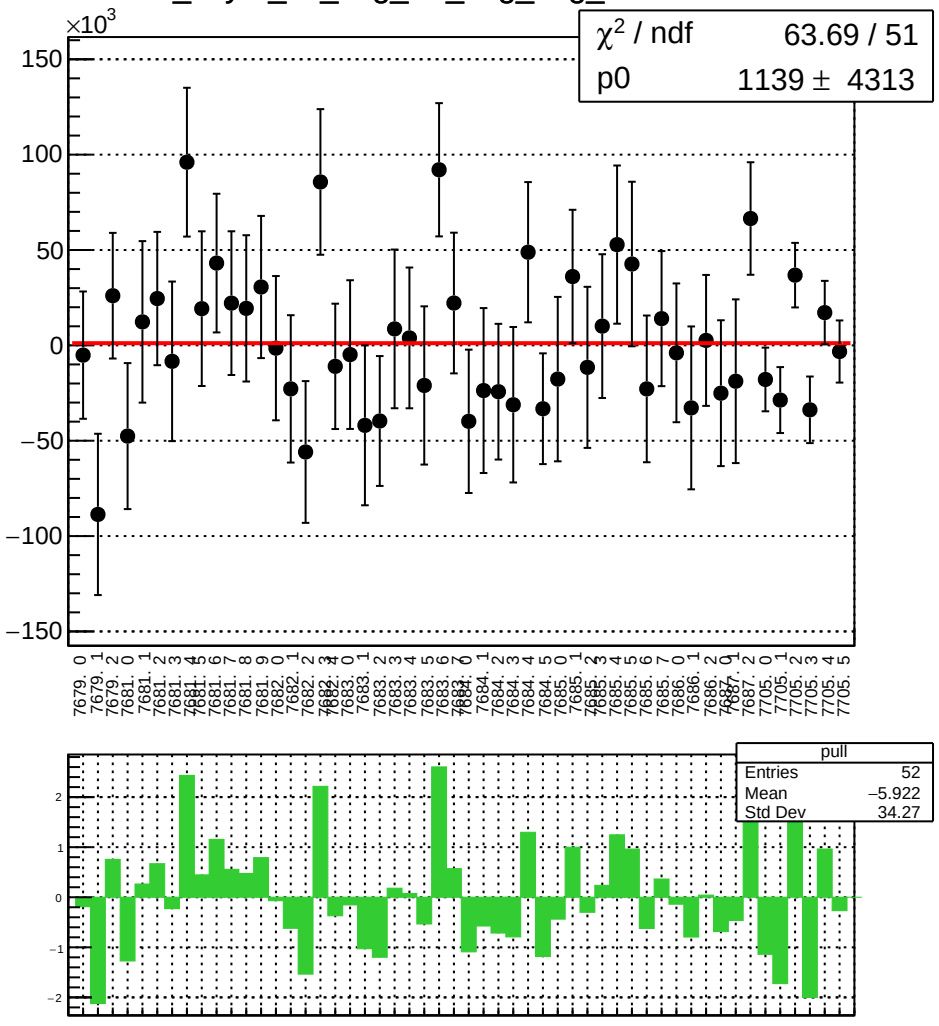

pull1D
Entries 52
Mean 0.01556
Std Dev 0.9071
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

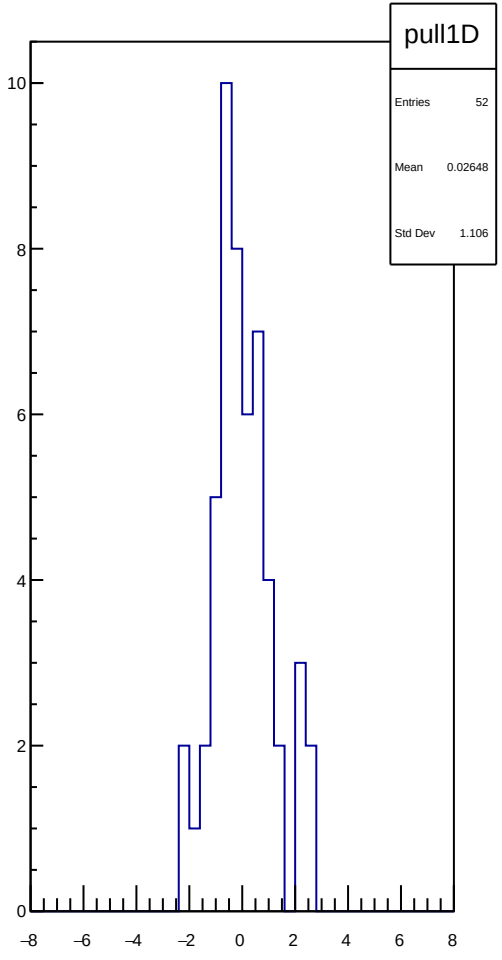

asym_atr_dd_correction_rms vs run
χ^2 / ndf 673.1 / 51
p0 5363 ± 5.401
5800
5700
5600
5500
5400
5300
5200
5100
5000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

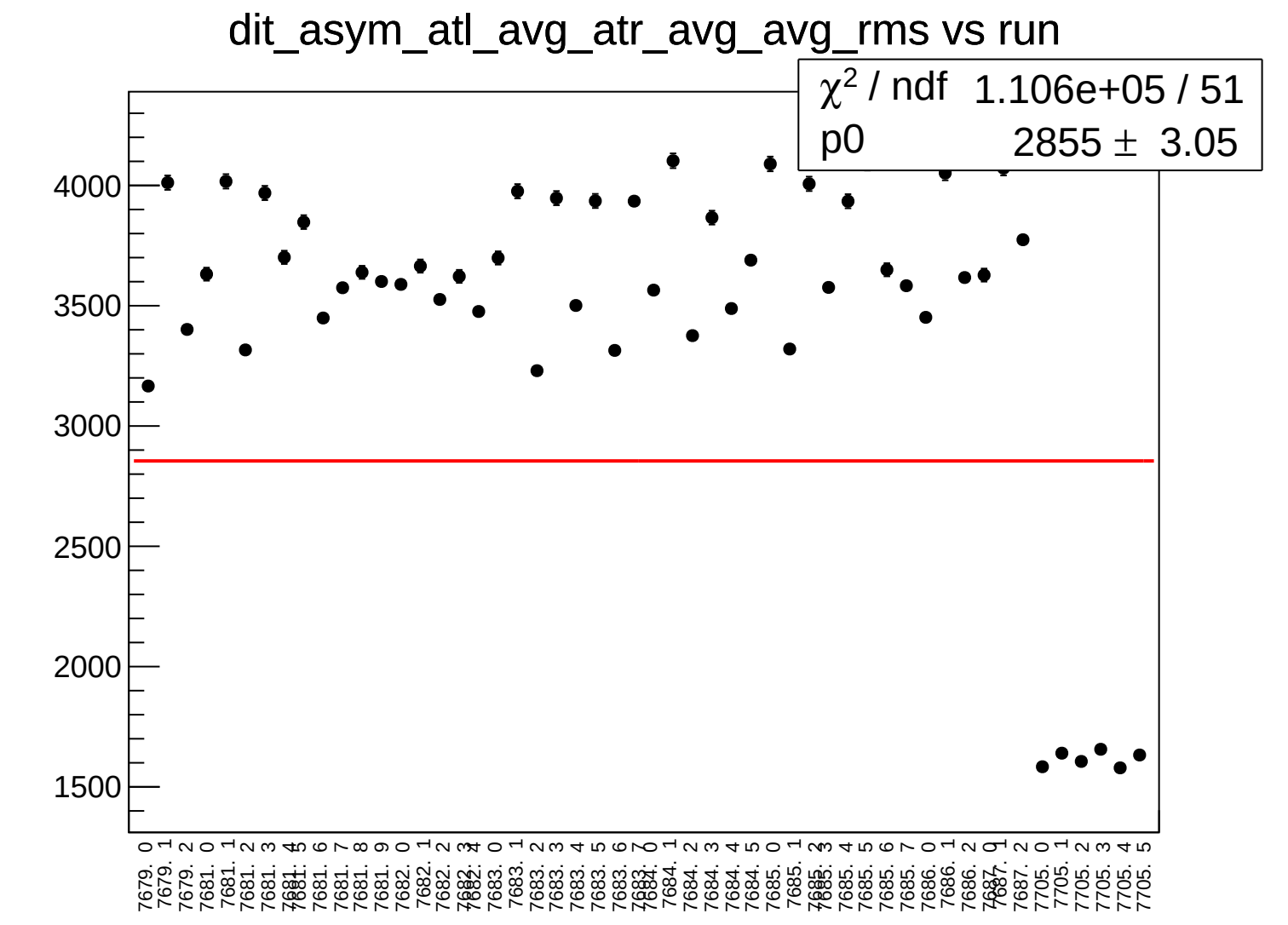

asym_atr_dd_mean vs run
×10^3
χ² / ndf 43.15 / 51
p0 −3143 ± 8196
pull
Entries 52
Mean −274.6
Std Dev 300.6

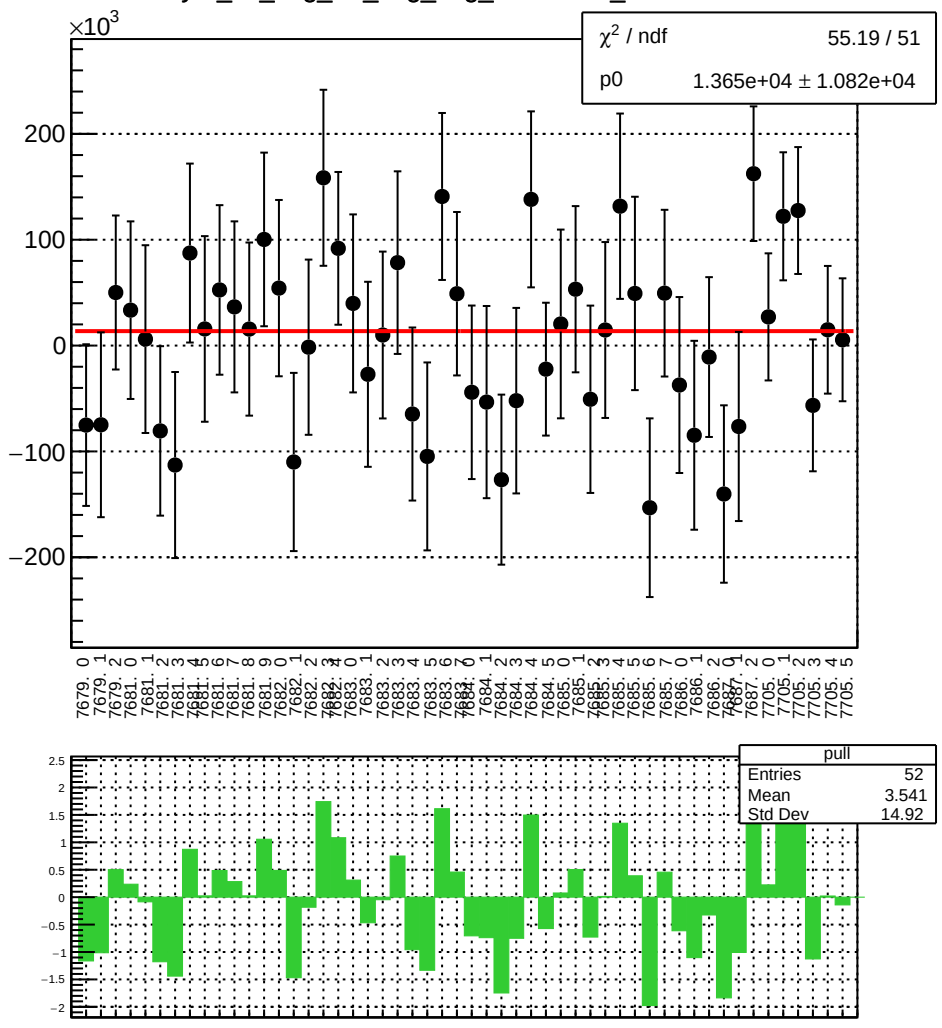

pull1D
Entries 52
Mean −0.007909
Std Dev 0.9109

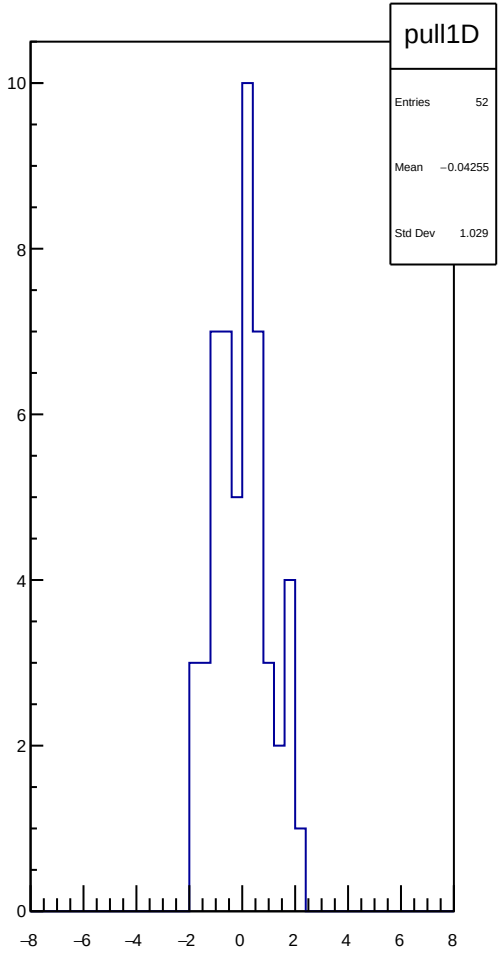

asym_atr_dd_rms vs run
χ² / ndf 3452 / 51
p0 5747 ± 5.795
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

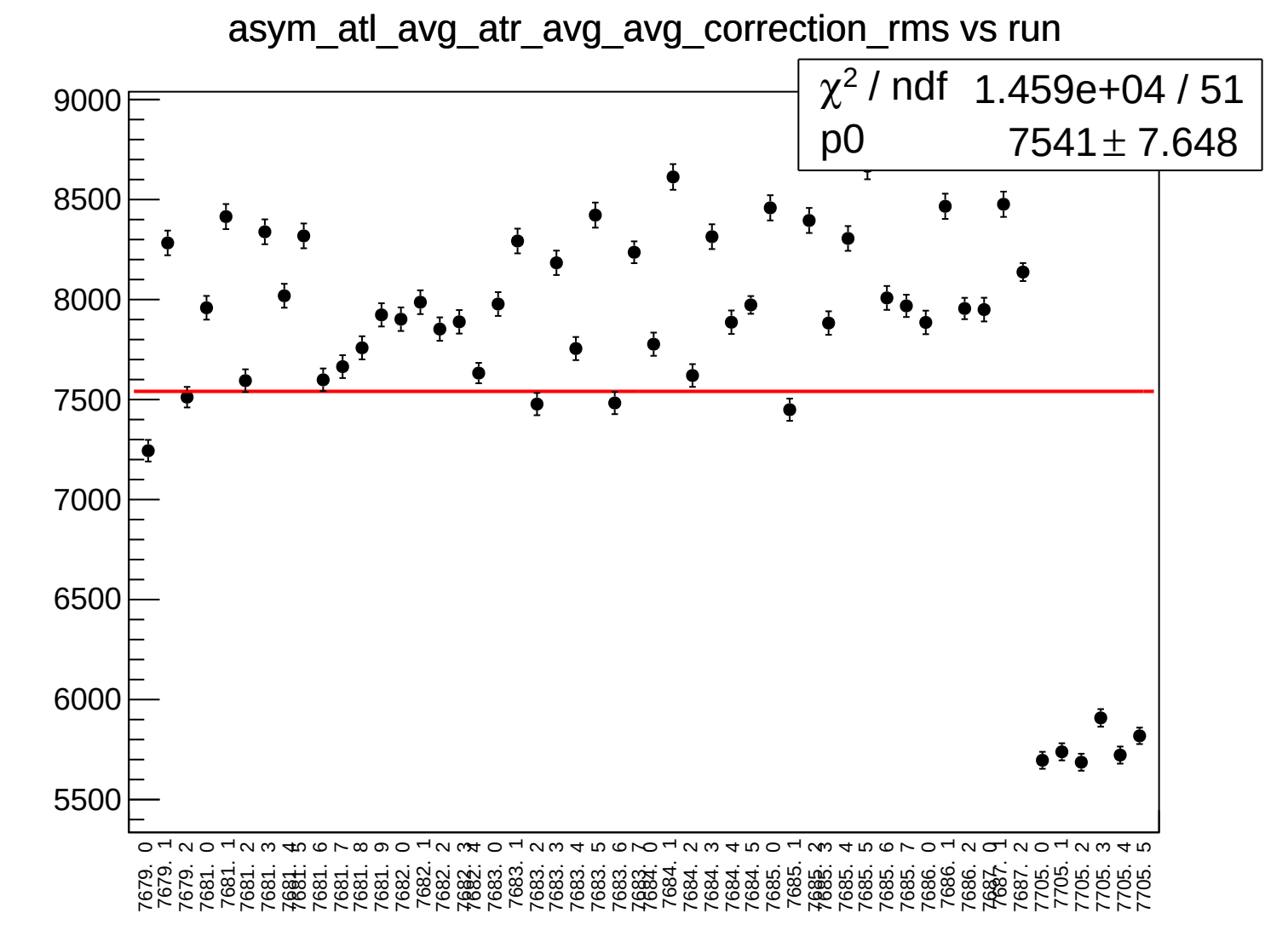

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 63.69 / 51
p0 1139 ± 4313
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −5.922
Std Dev 34.27
2
1
0
−1
−2

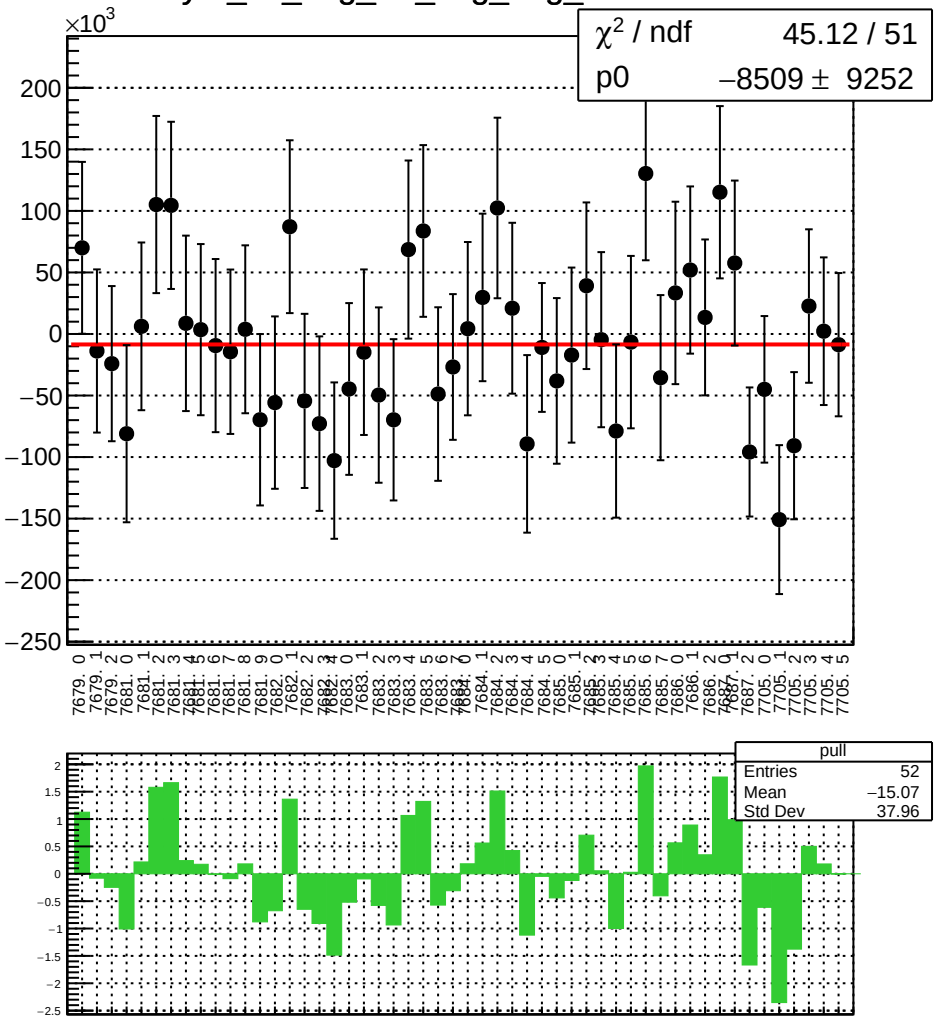

pull1D
Entries 52
Mean 0.02648
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

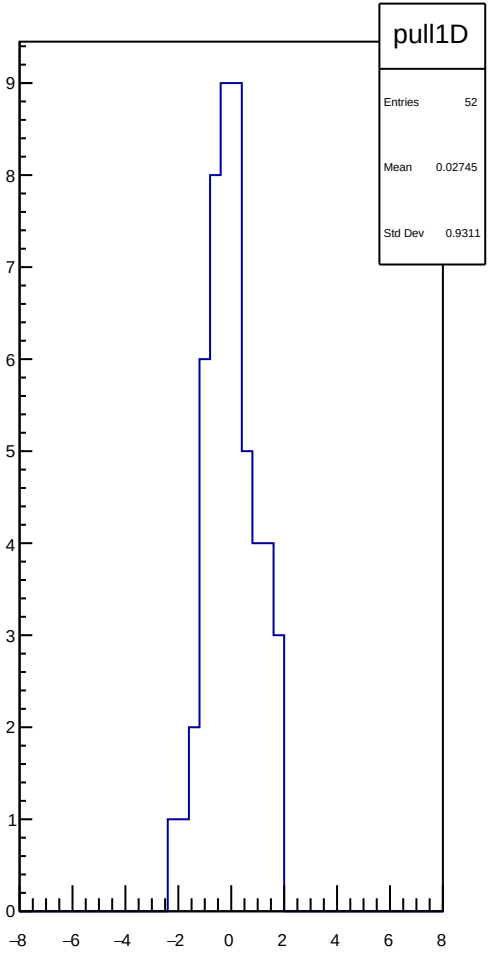

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.106e+05 / 51
p0 2855 ± 3.05
4000
3500
3000
2500
2000
1500

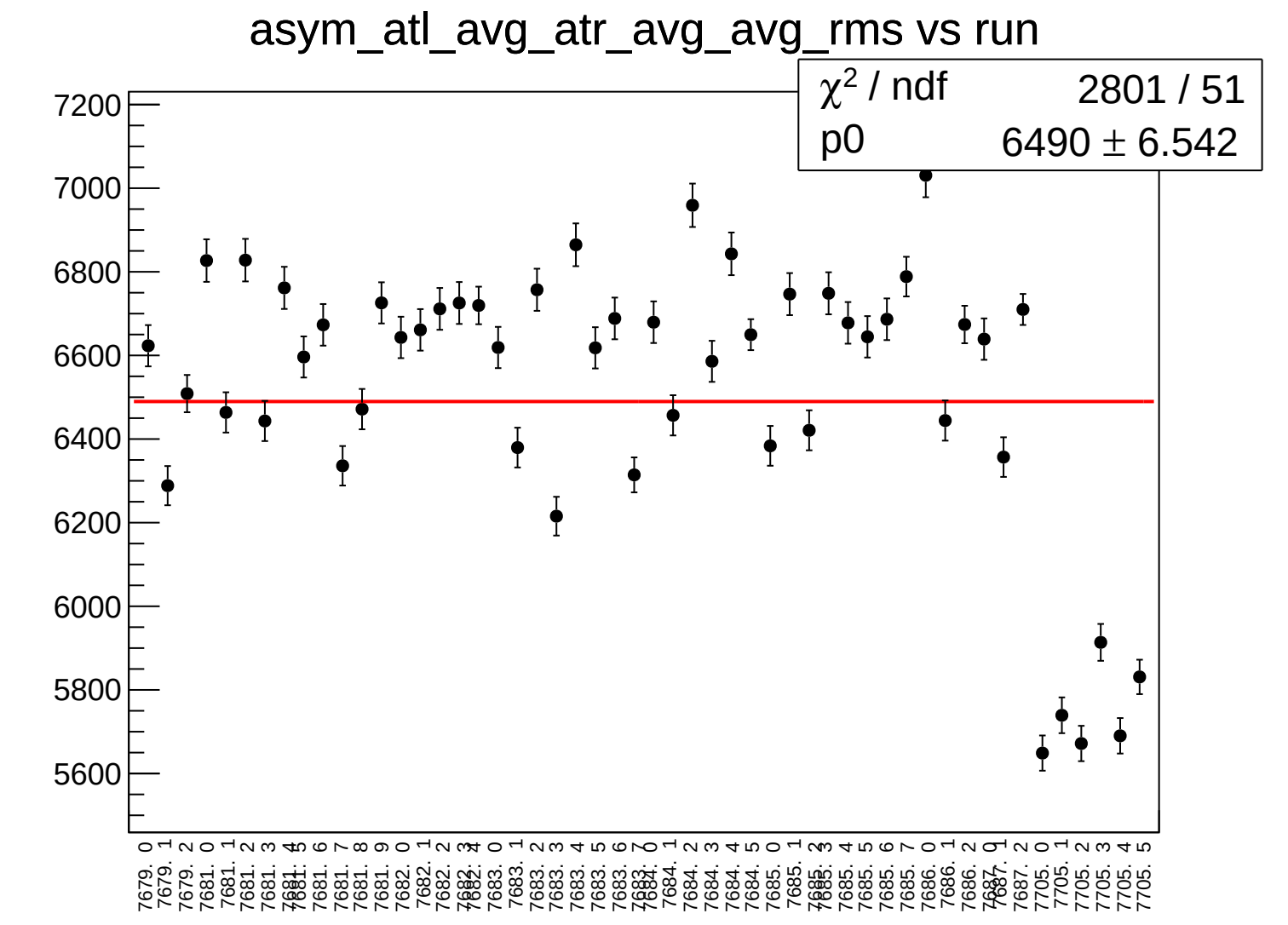

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 55.19 / 51
p0 1.365e+04 ± 1.082e+04
200
100
0
−100
−200
pull
Entries 52
Mean 3.541
Std Dev 14.92
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

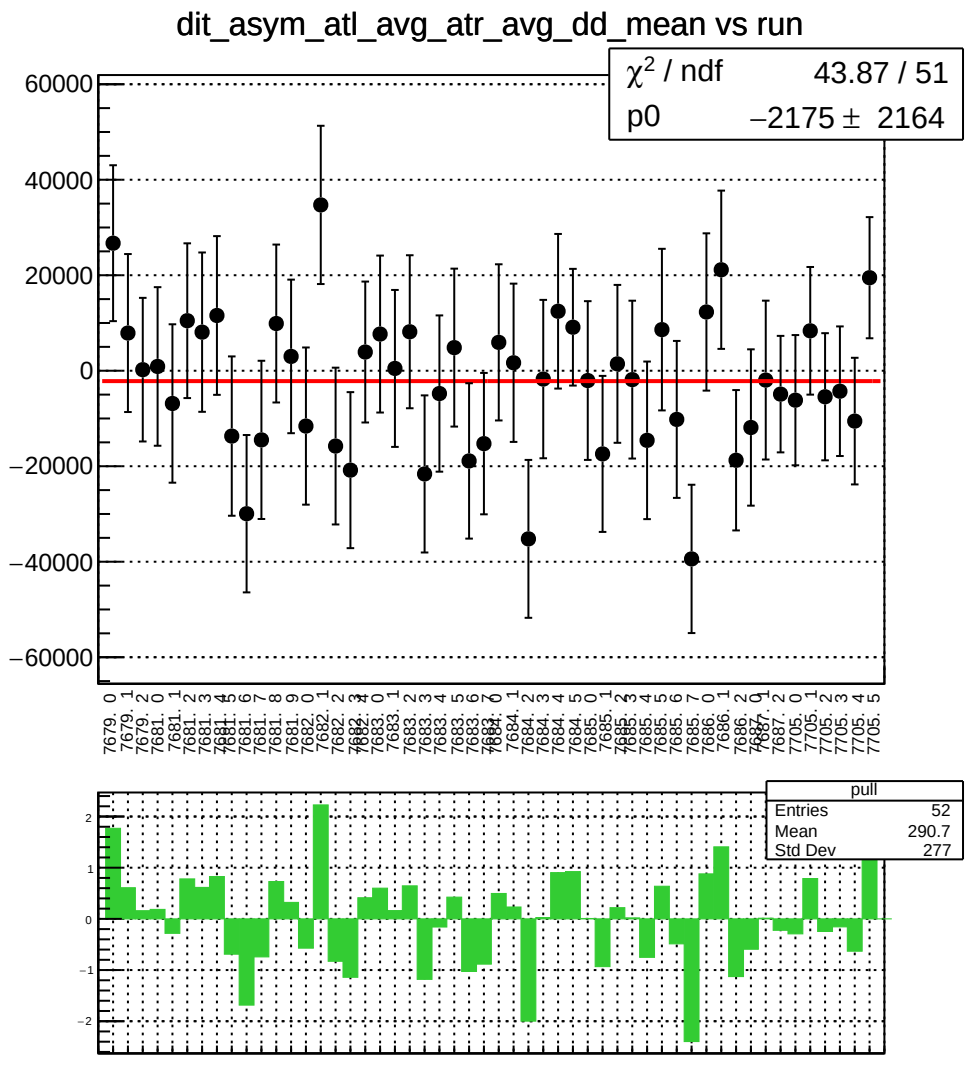

pull1D
Entries 52
Mean −0.04255
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

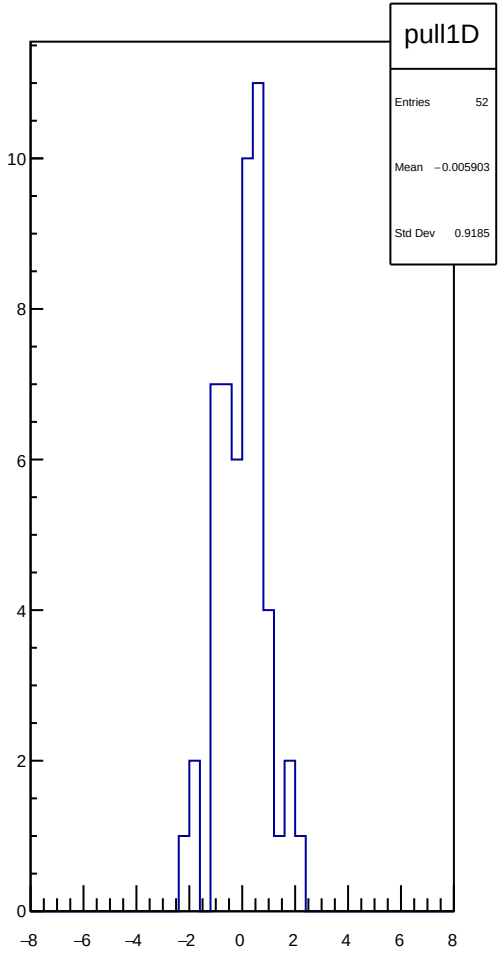

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1.459e+04 / 51
p0 7541 ± 7.648
9000
8500
8000
7500
7000
6500
6000
5500

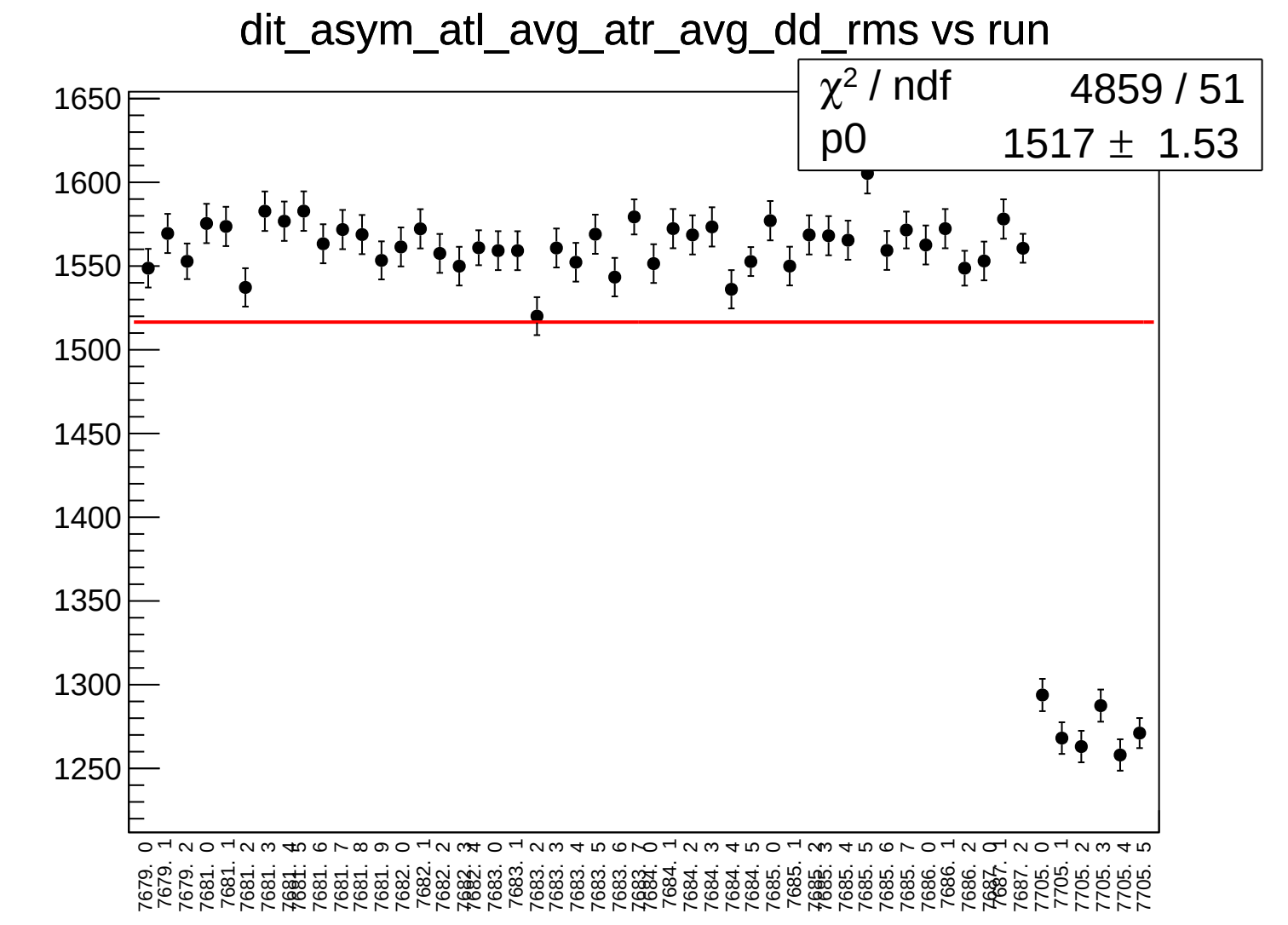

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 45.12 / 51
p0 −8509 ± 9252
×10³
pull
Entries 52
Mean −15.07
Std Dev 37.96

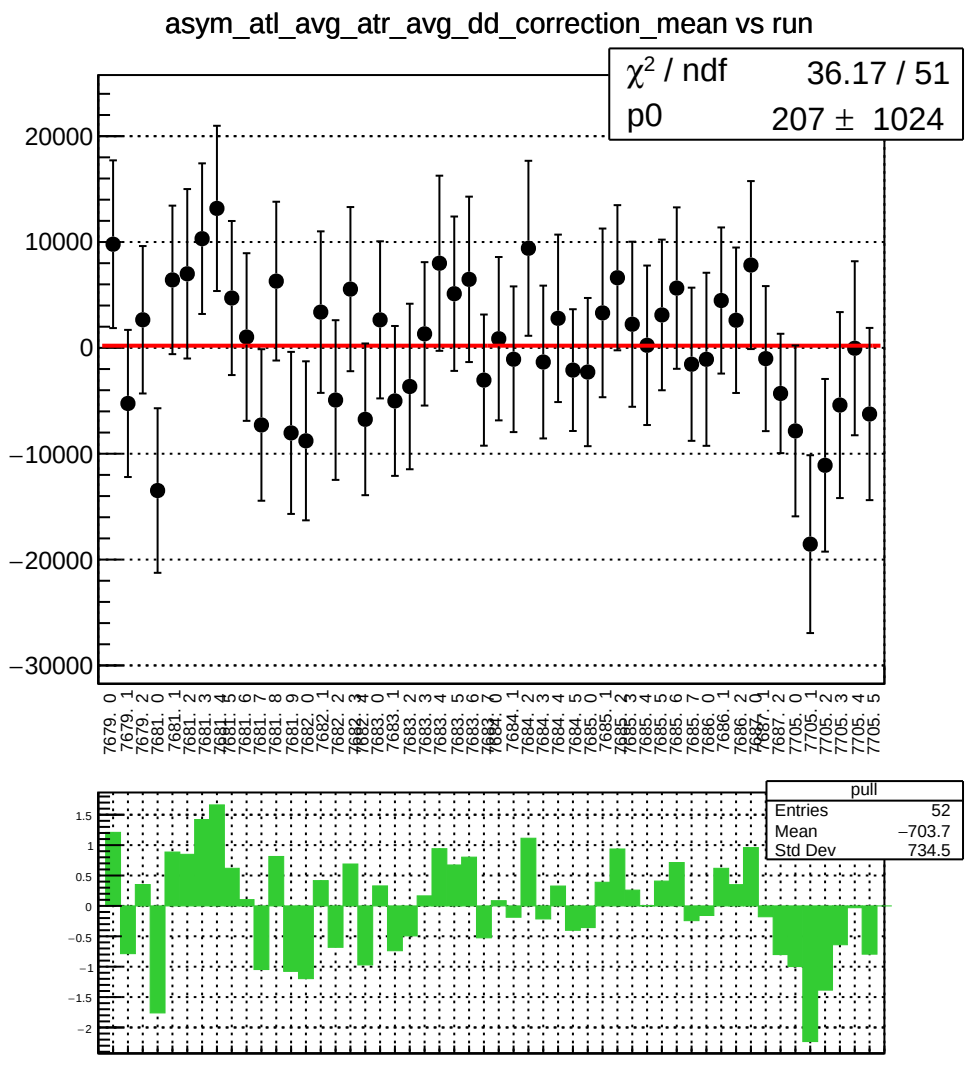

pull1D
Entries 52
Mean 0.02745
Std Dev 0.9311

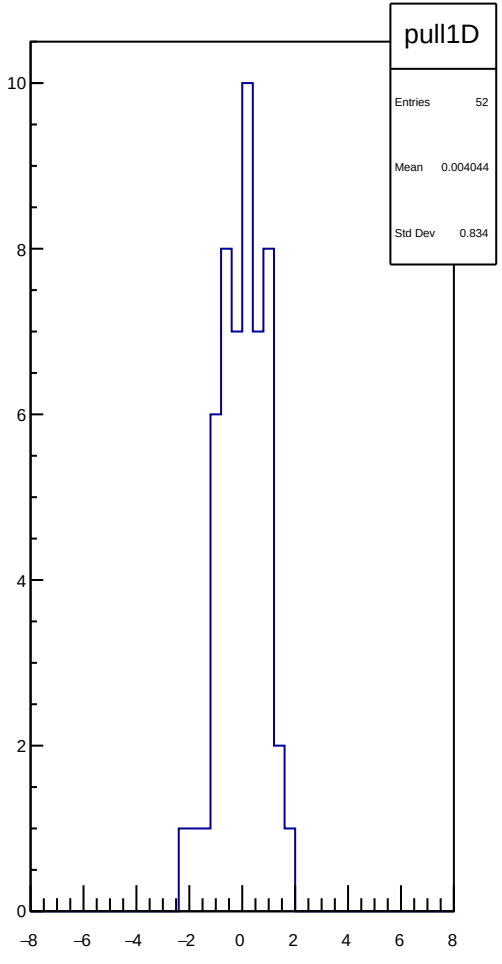

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2801 / 51
p0 6490 ± 6.542
7200
7000
6800
6600
6400
6200
6000
5800
5600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

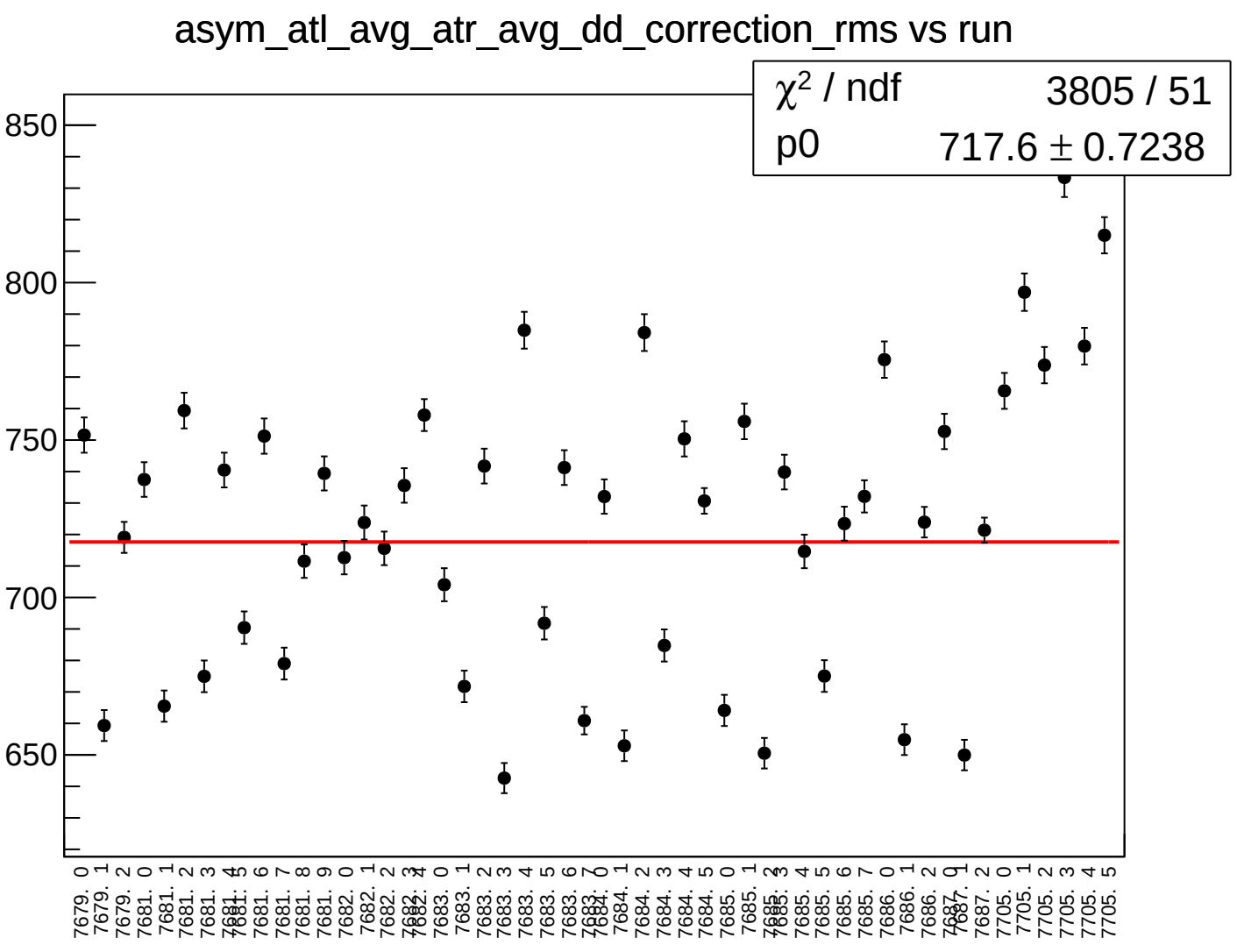

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 43.87 / 51
p0 −2175 ± 2164
pull
Entries 52
Mean 290.7
Std Dev 277

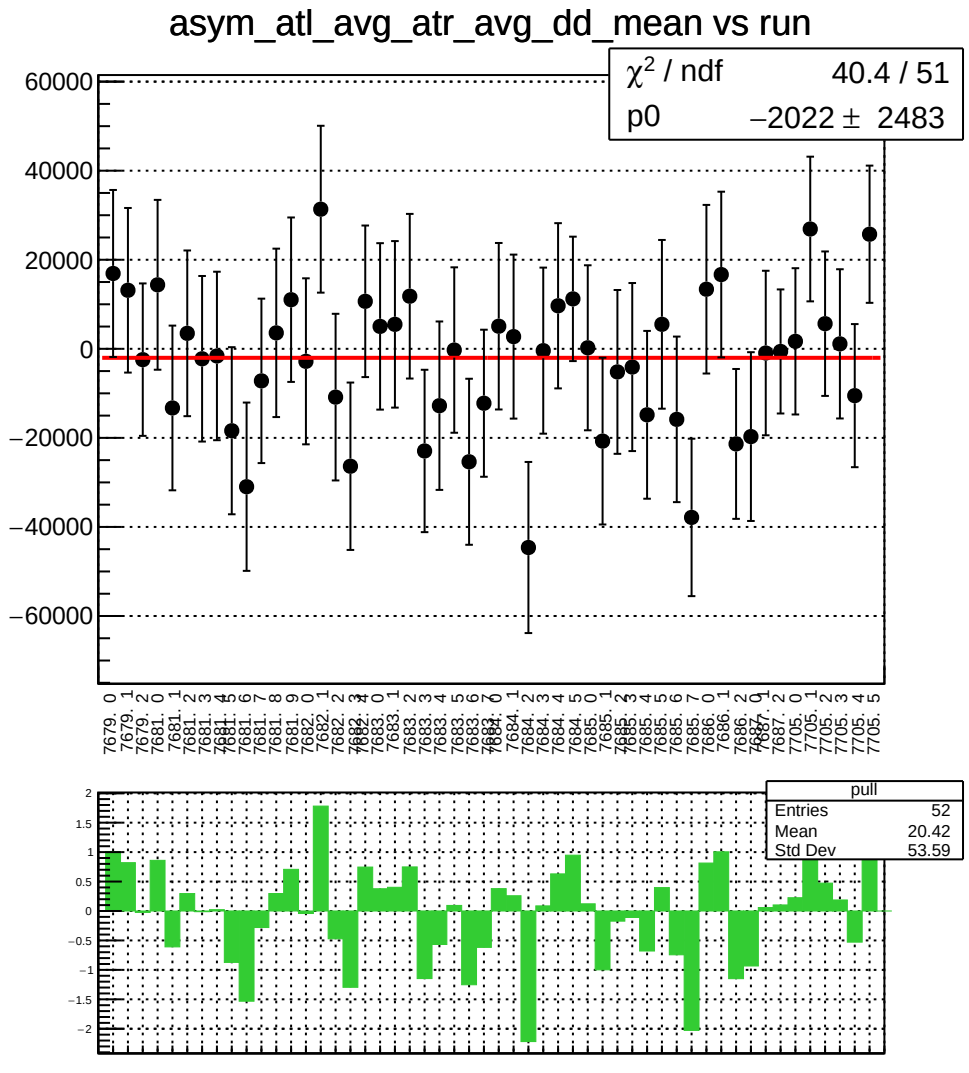

pull1D
Entries 52
Mean −0.005903
Std Dev 0.9185

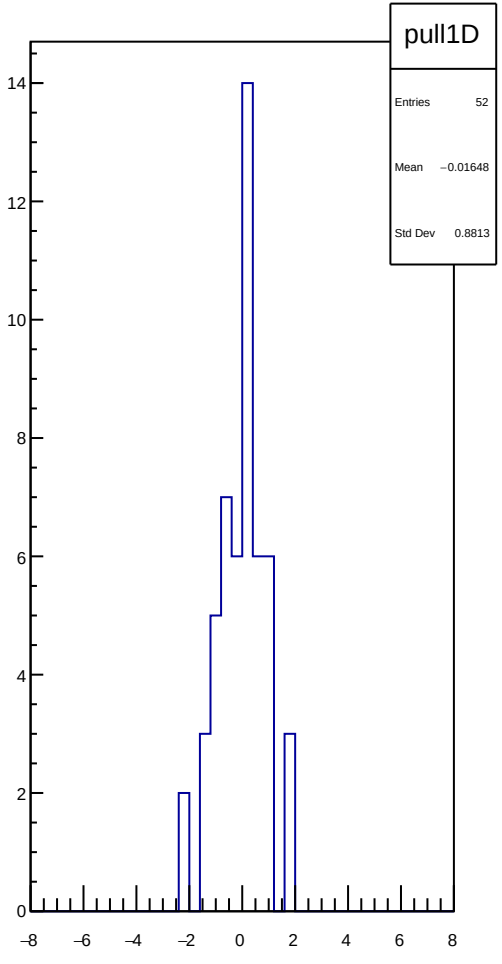

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 4859 / 51
p0 1517 ± 1.53
1650
1600
1550
1500
1450
1400
1350
1300
1250
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

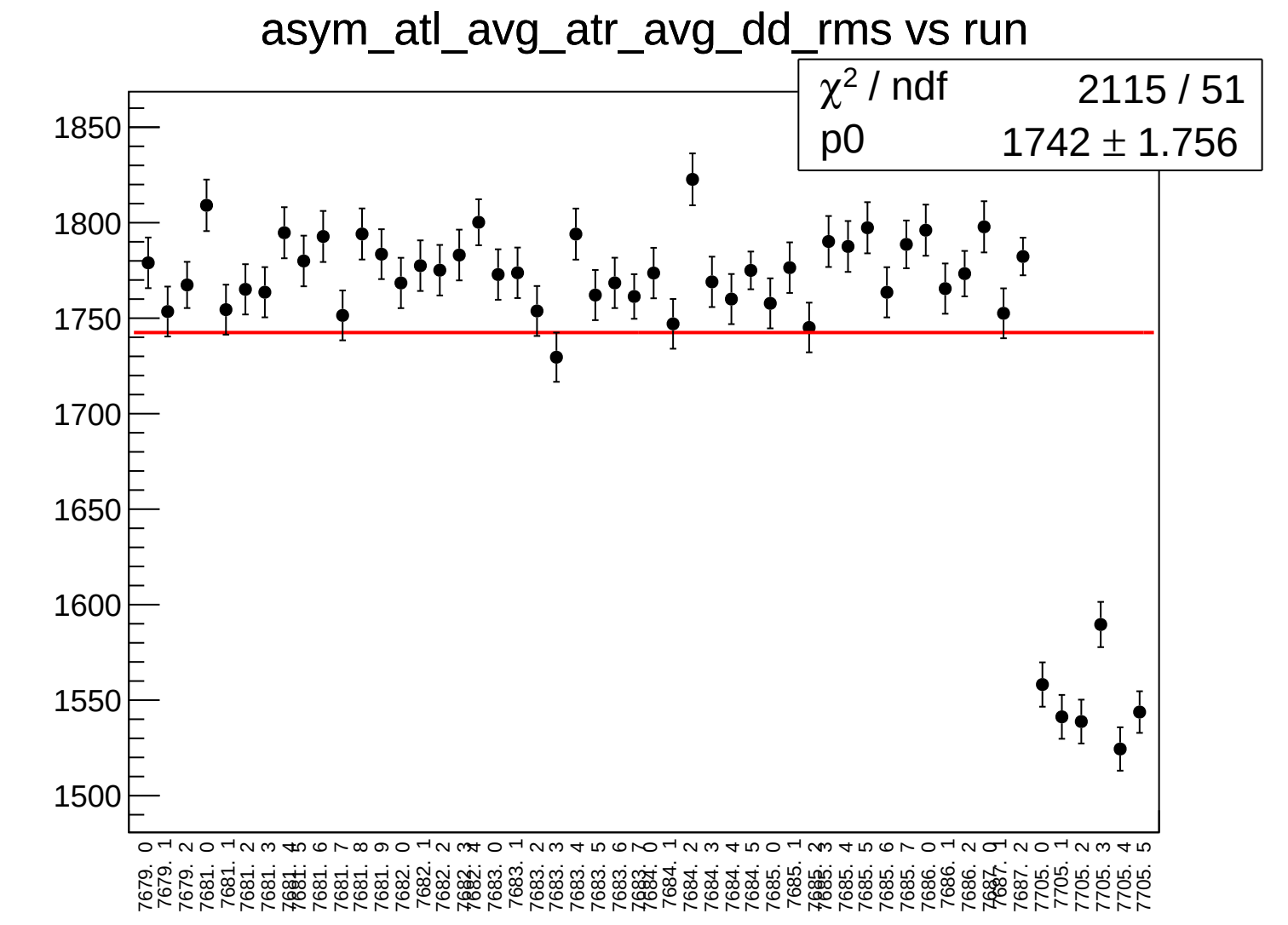

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 36.17 / 51
p0 207 ± 1024
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −703.7
Std Dev 734.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

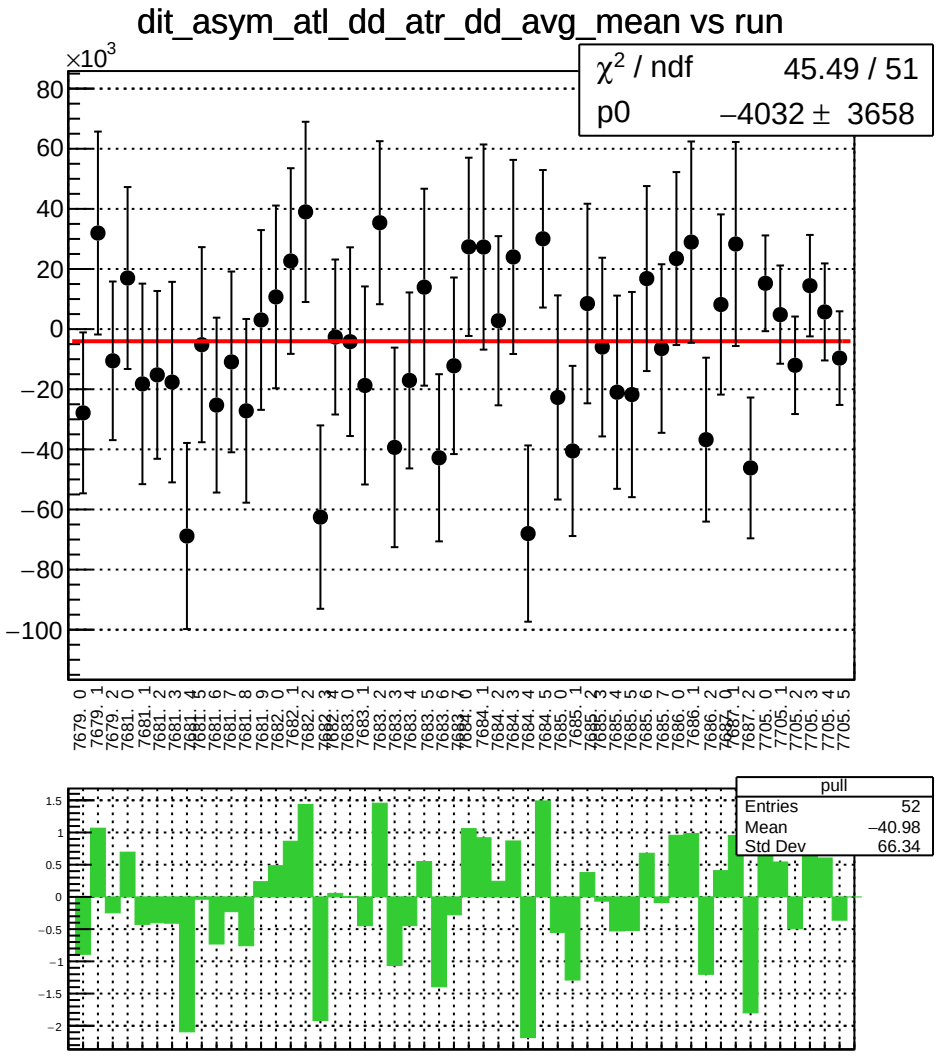

pull1D
Entries 52
Mean 0.004044
Std Dev 0.834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

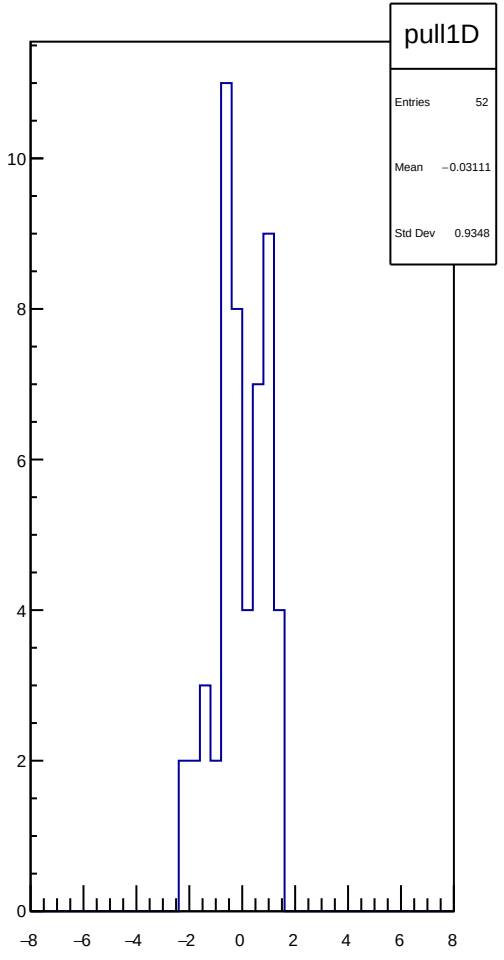

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3805 / 51
p0 717.6 ± 0.7238
850
800
750
700
650
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

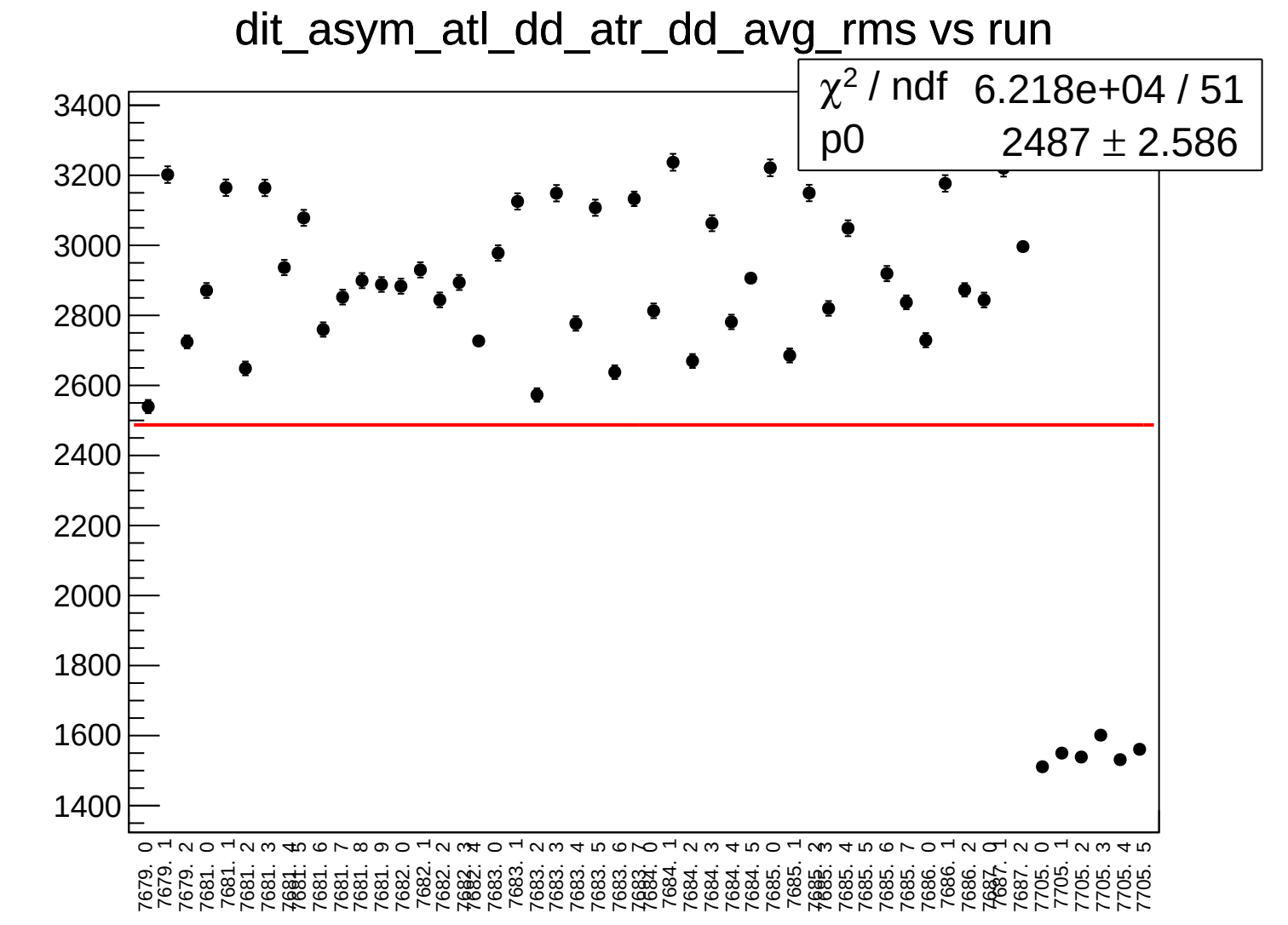

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.4 / 51
p0 −2022 ± 2483
pull
Entries 52
Mean 20.42
Std Dev 53.59

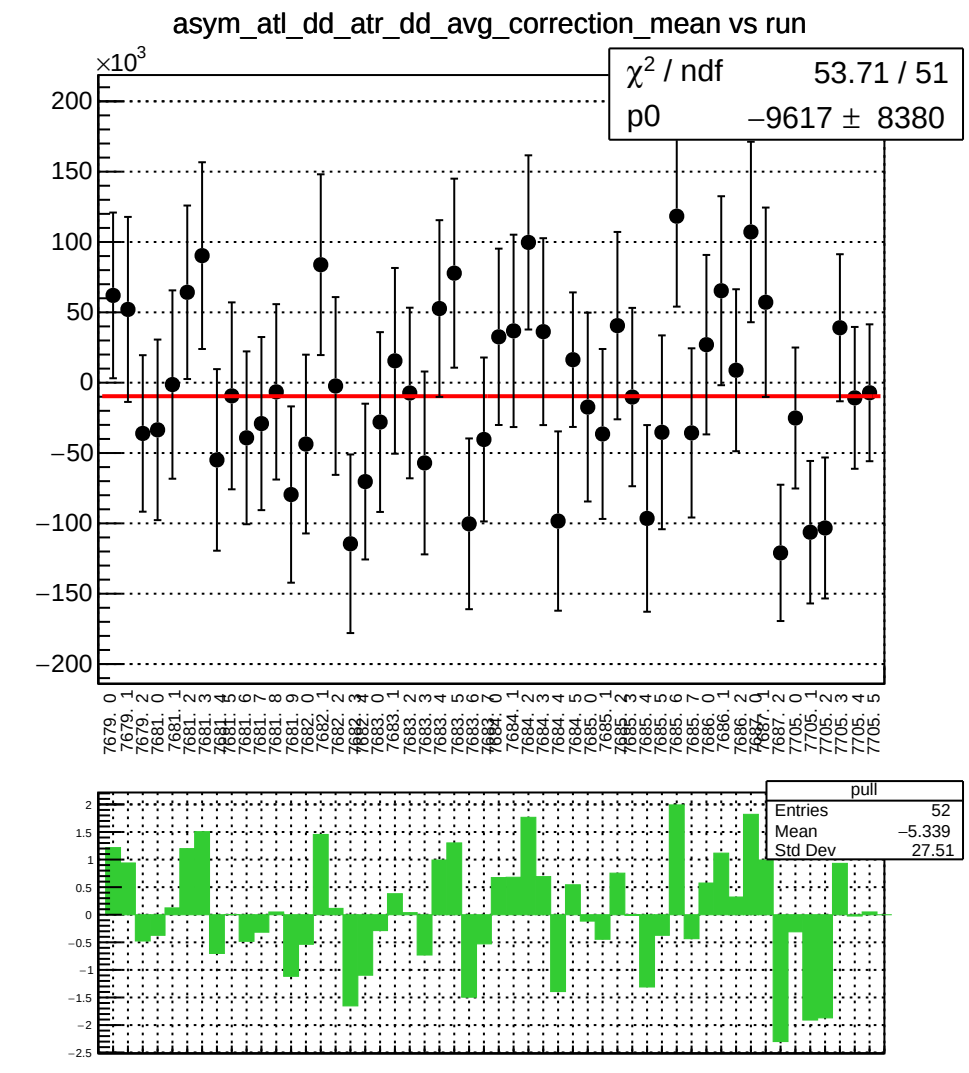

pull1D
Entries 52
Mean −0.01648
Std Dev 0.8813

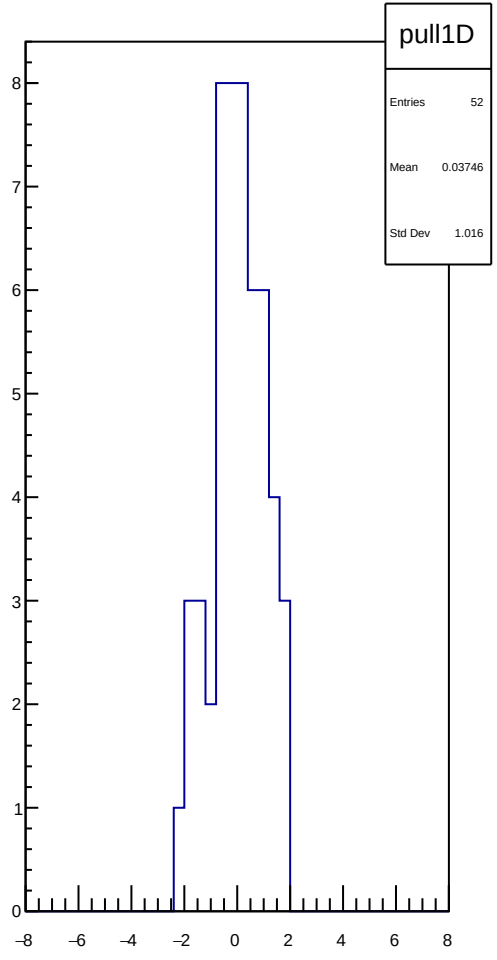

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2115 / 51
p0 1742 ± 1.756
1850
1800
1750
1700
1650
1600
1550
1500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

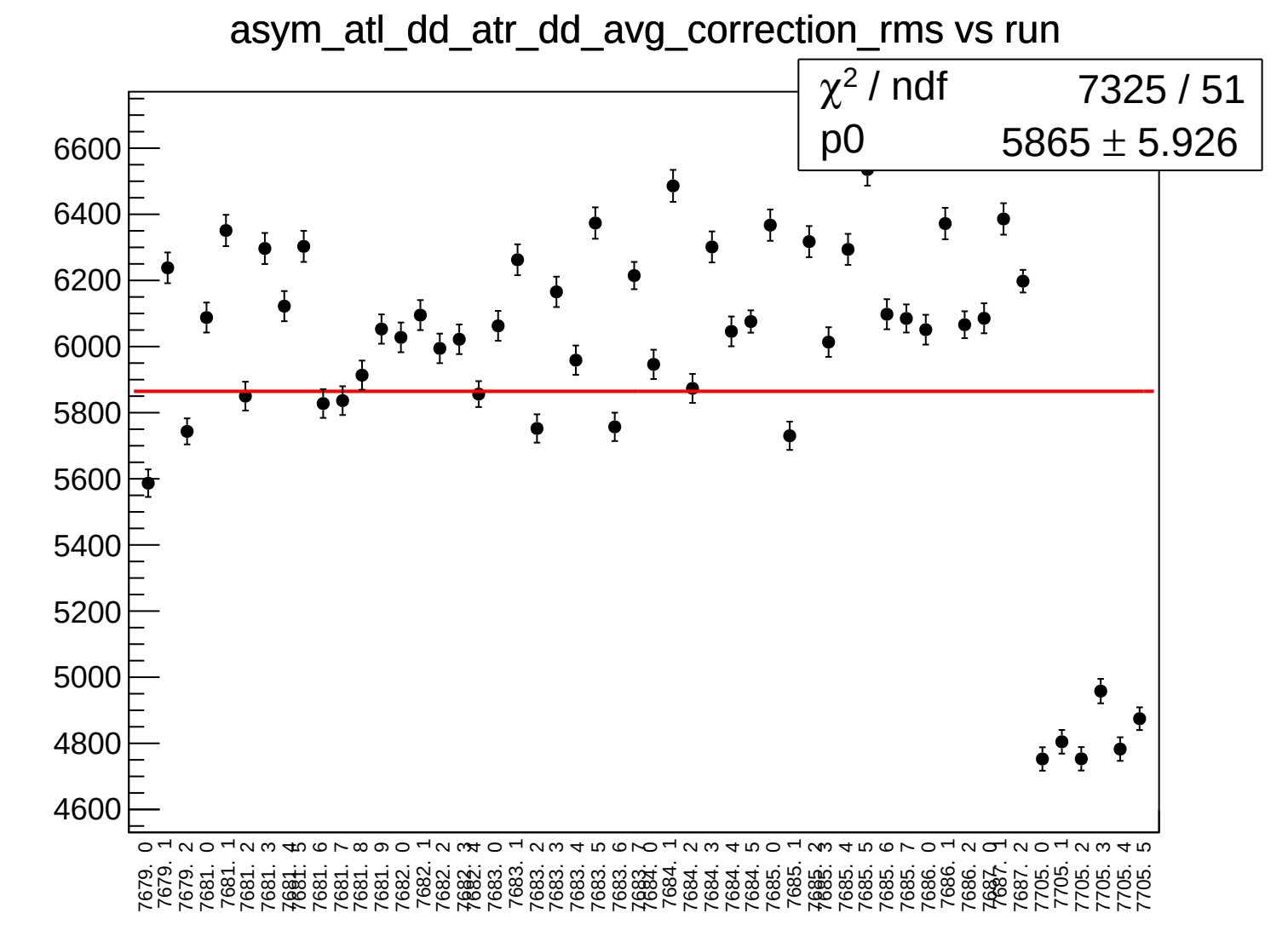

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 45.49 / 51
p0 −4032 ± 3658
pull
Entries 52
Mean −40.98
Std Dev 66.34

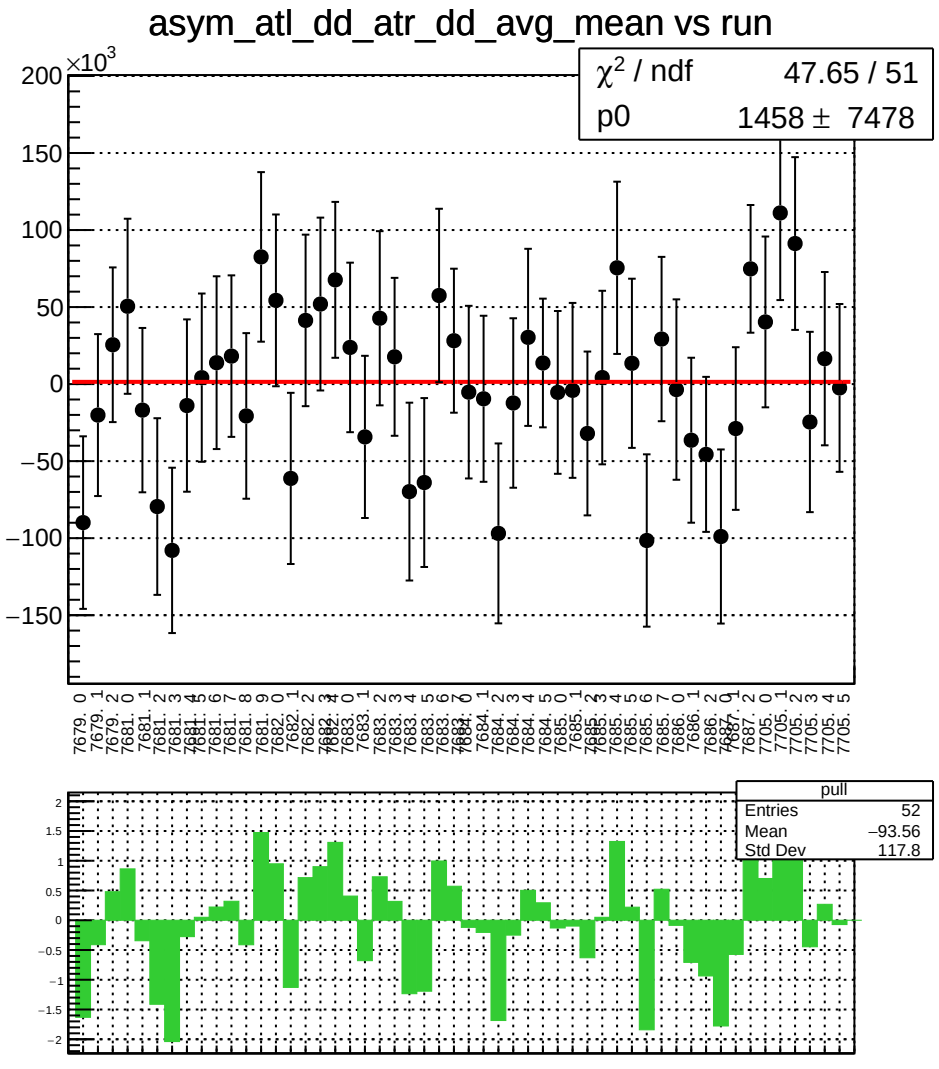

pull1D
Entries 52
Mean −0.03111
Std Dev 0.9348

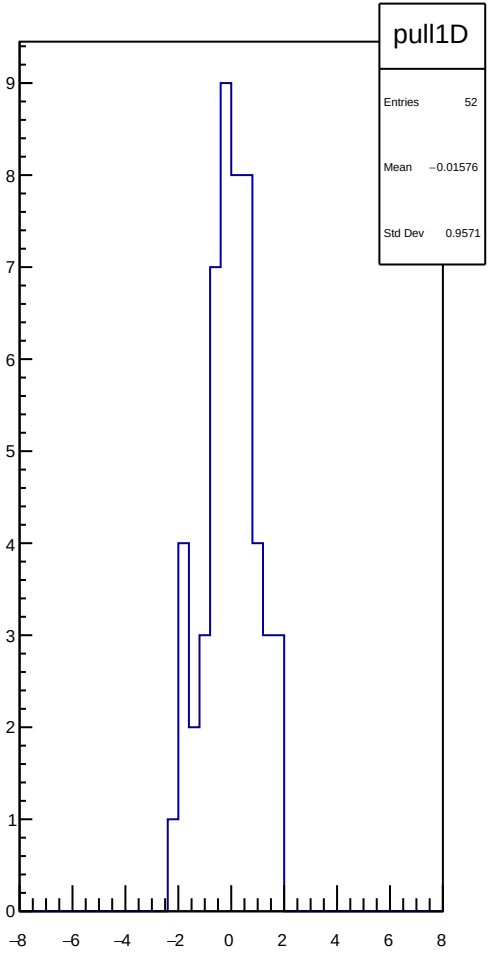

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6.218e+04 / 51
p0 2487 ± 2.586
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

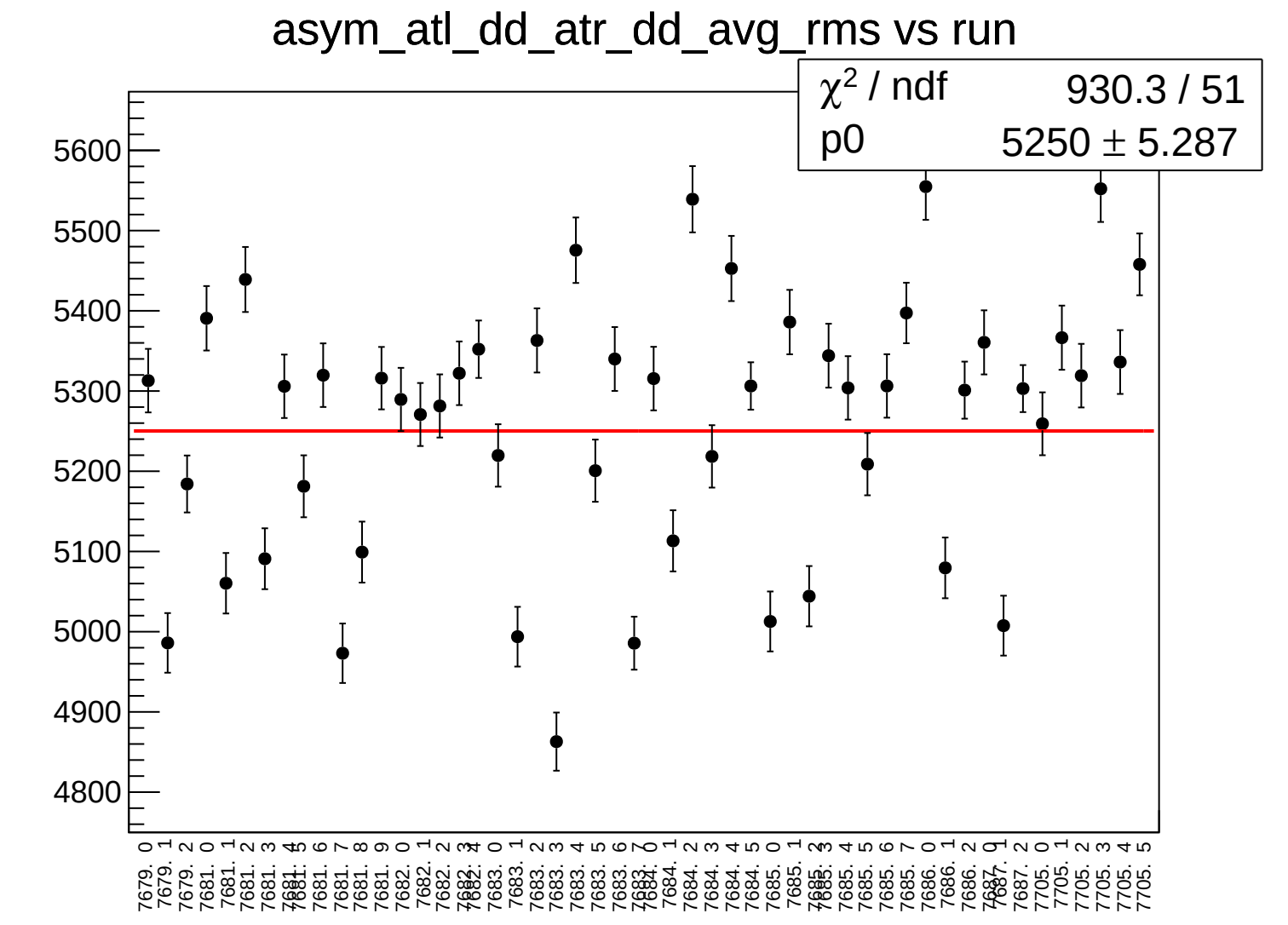

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 53.71 / 51
p0 −9617 ± 8380
pull
Entries 52
Mean −5.339
Std Dev 27.51

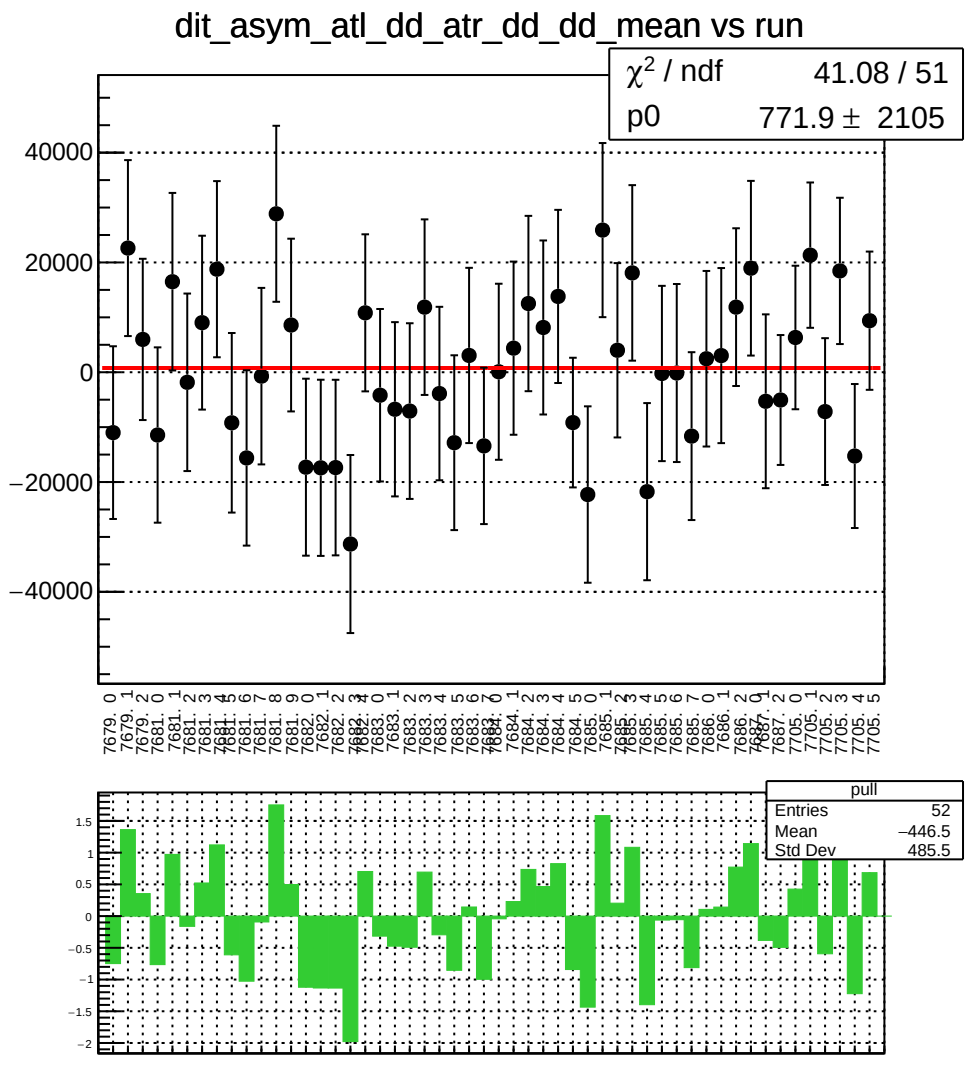

pull1D
Entries 52
Mean 0.03746
Std Dev 1.016

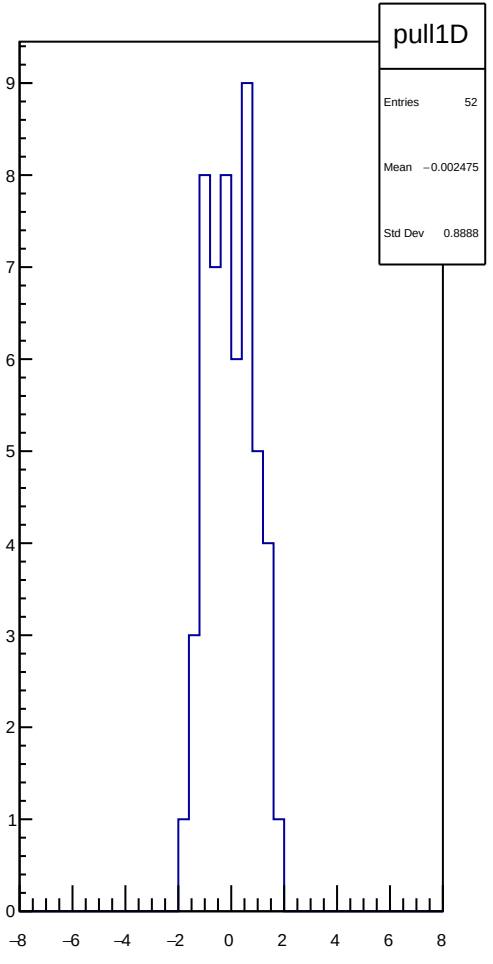

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 7325 / 51
p0 5865 ± 5.926
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

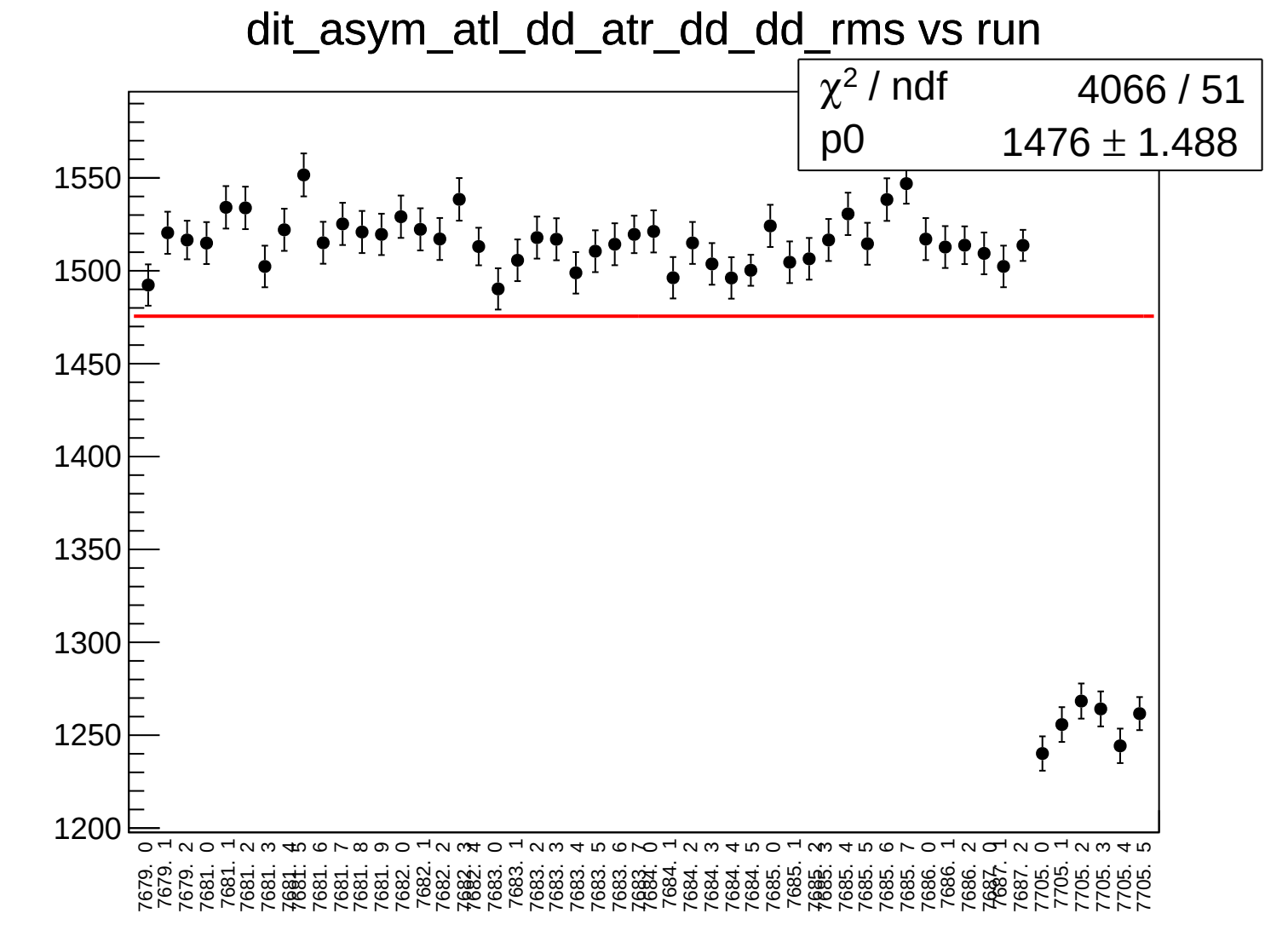

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 47.65 / 51
p0 1458 ± 7478
×10³
pull
Entries 52
Mean −93.56
Std Dev 117.8

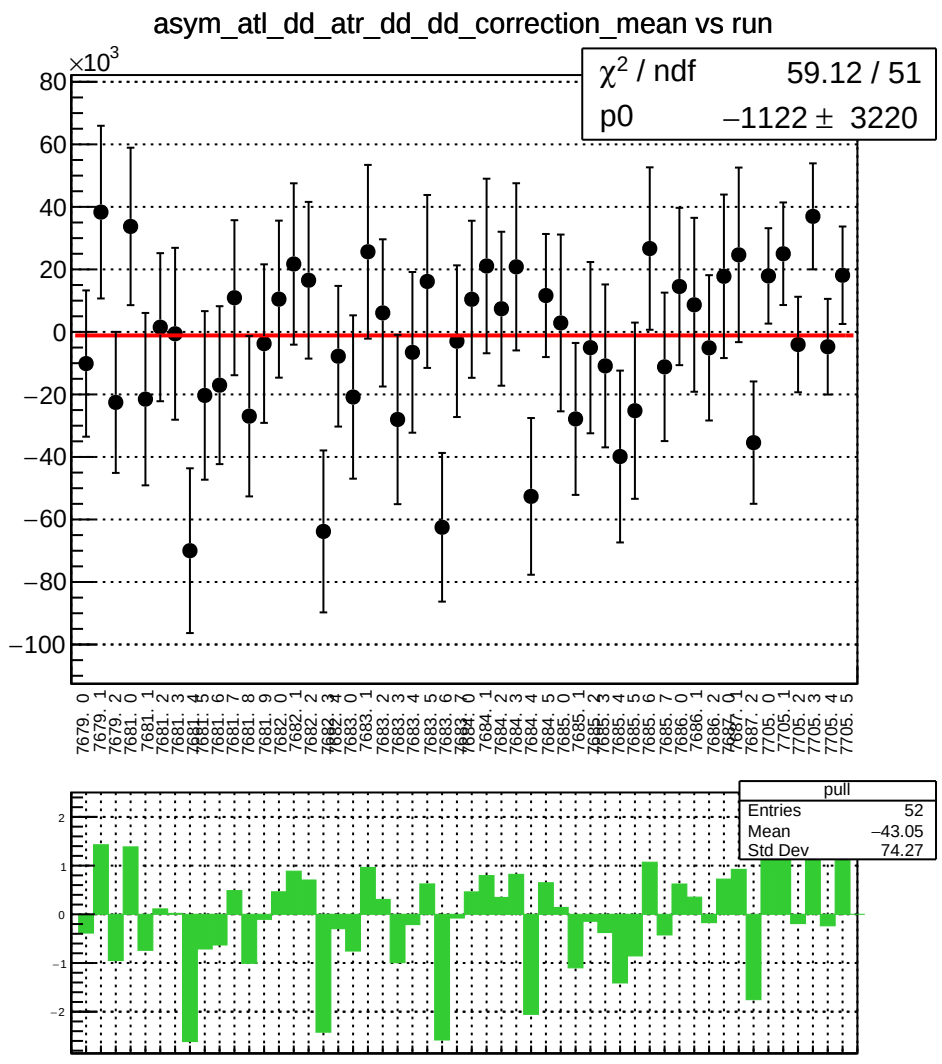

pull1D
Entries 52
Mean −0.01576
Std Dev 0.9571

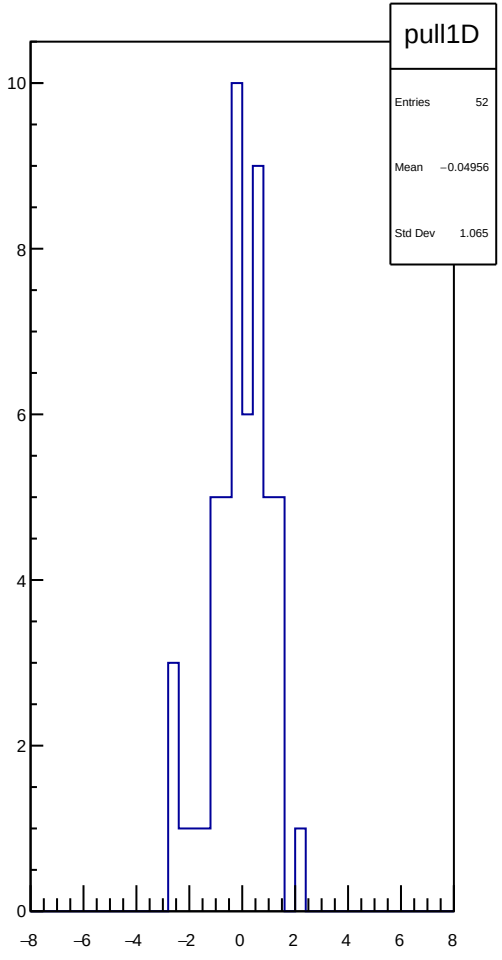

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 930.3 / 51
p0 5250 ± 5.287
5600
5500
5400
5300
5200
5100
5000
4900
4800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

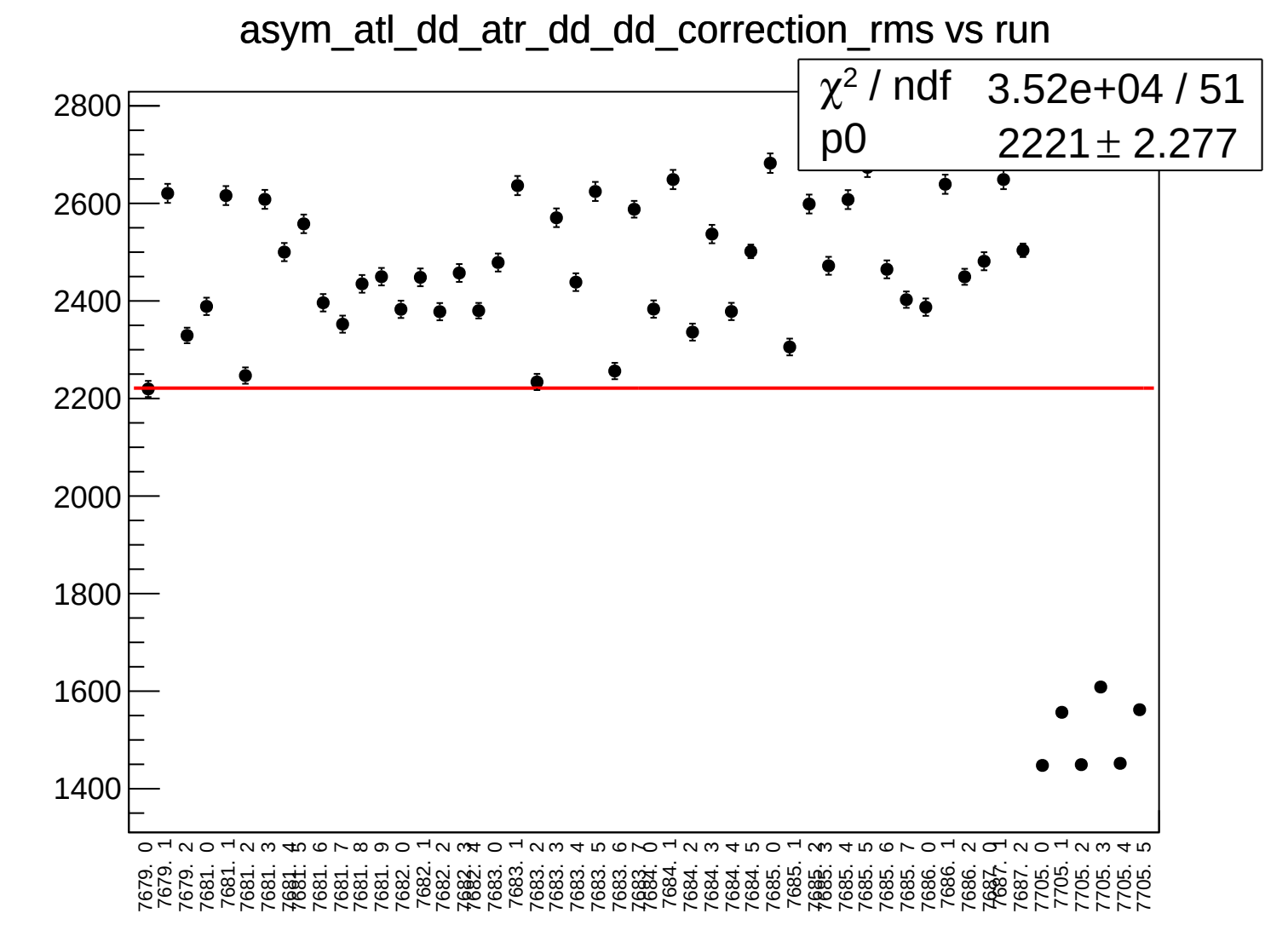

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 41.08 / 51
p0 771.9 ± 2105
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −446.5
Std Dev 485.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

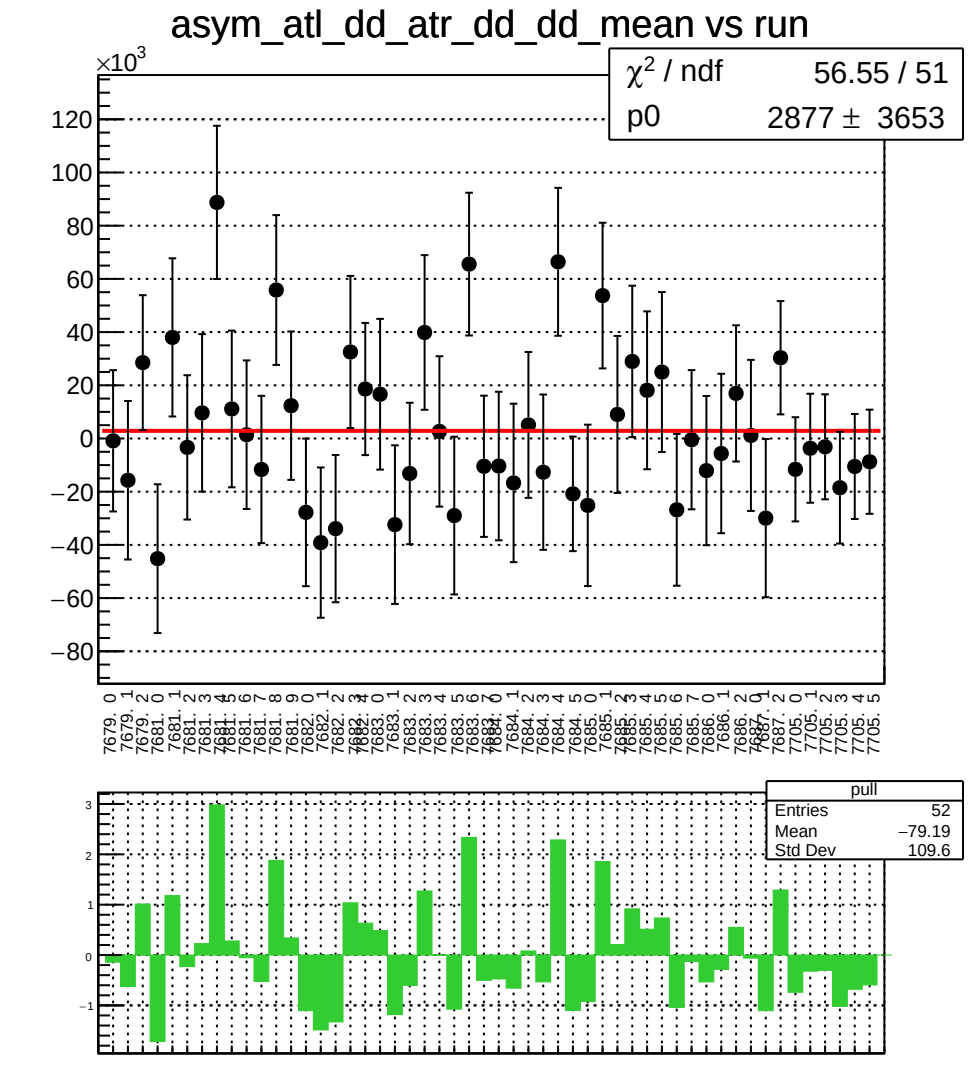

pull1D
Entries 52
Mean −0.002475
Std Dev 0.8888
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

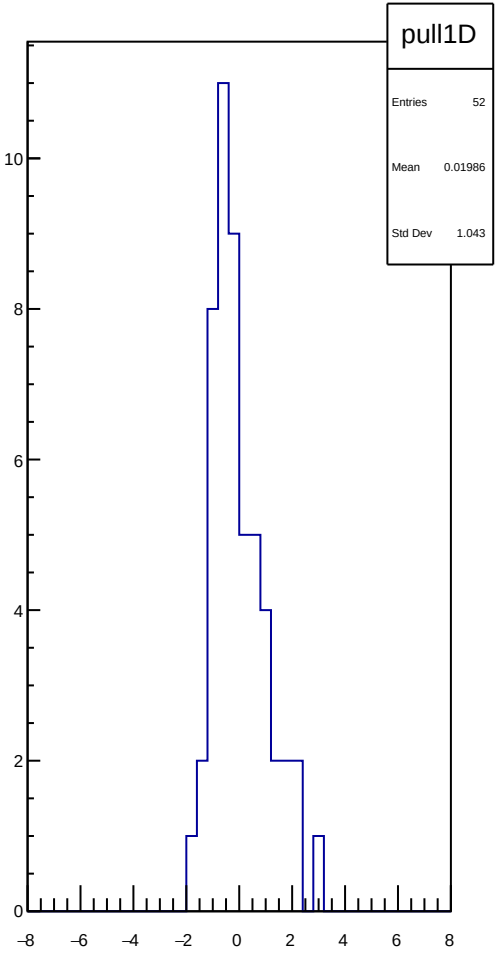

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4066 / 51
p0 1476 ± 1.488
1550
1500
1450
1400
1350
1300
1250
1200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

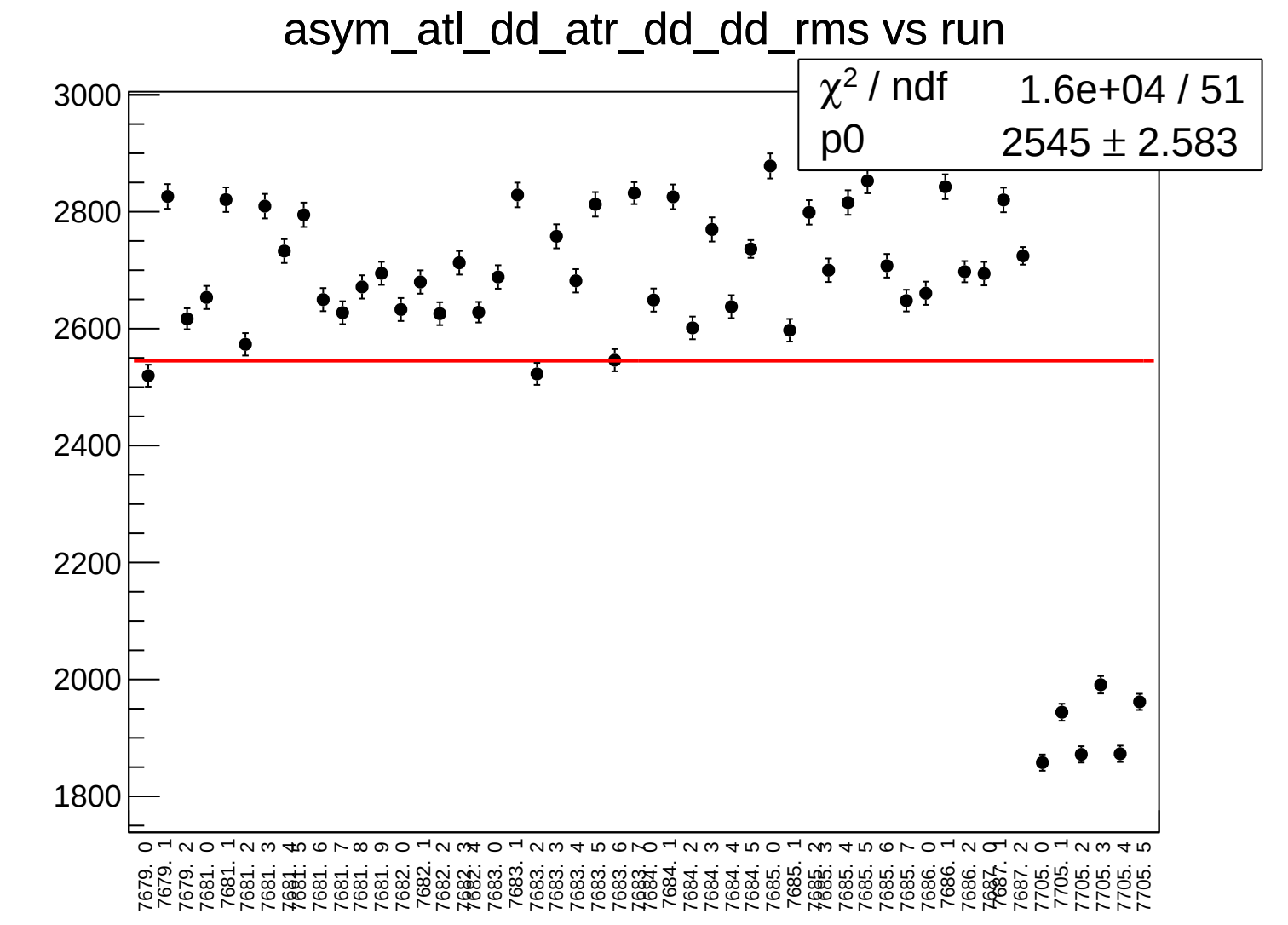

asym_atl_dd_atr_dd_dd_correction_mean vs run
×10^3
χ² / ndf 59.12 / 51
p0 −1122 ± 3220
pull
Entries 52
Mean −43.05
Std Dev 74.27

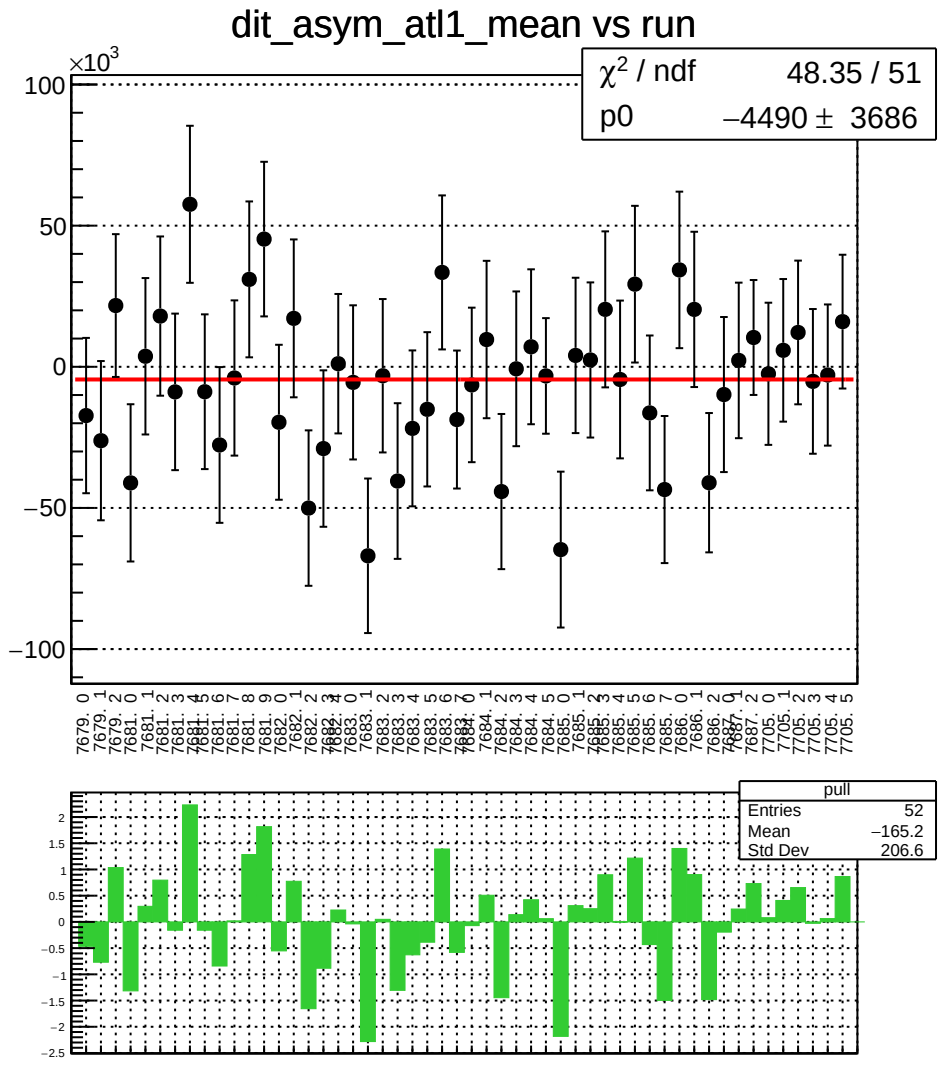

pull1D
Entries 52
Mean −0.04956
Std Dev 1.065

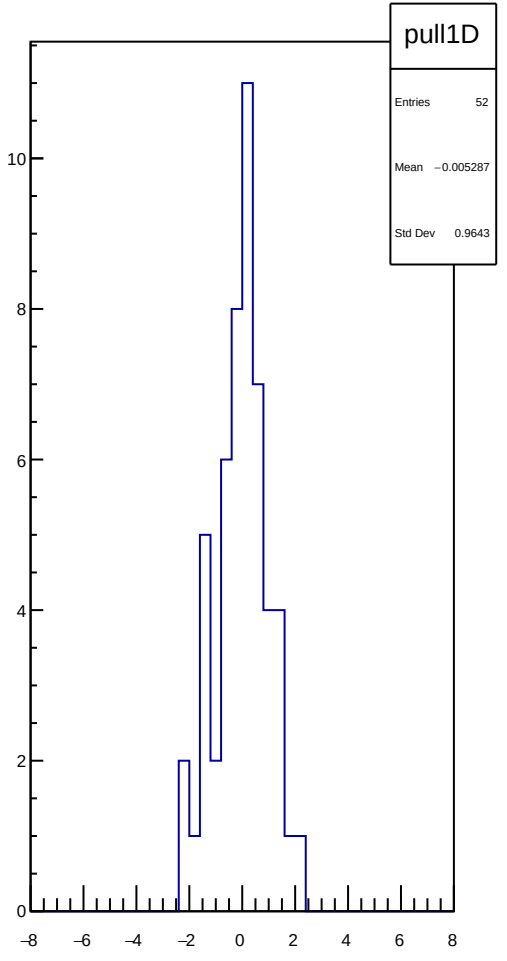

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3.52e+04 / 51
p0 2221 ± 2.277
2800
2600
2400
2200
2000
1800
1600
1400
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

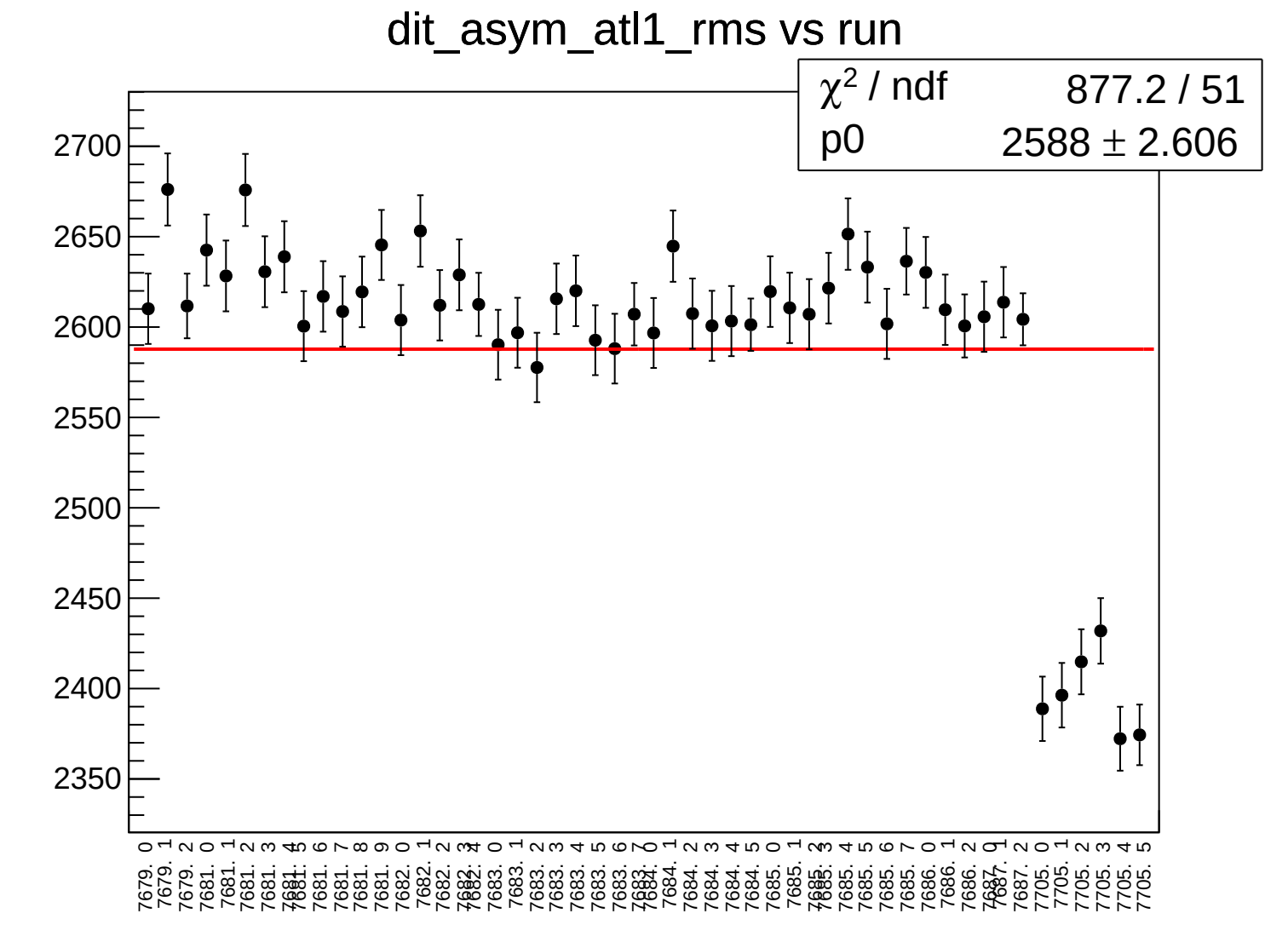

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 56.55 / 51
p0 2877 ± 3653
pull
Entries 52
Mean −79.19
Std Dev 109.6

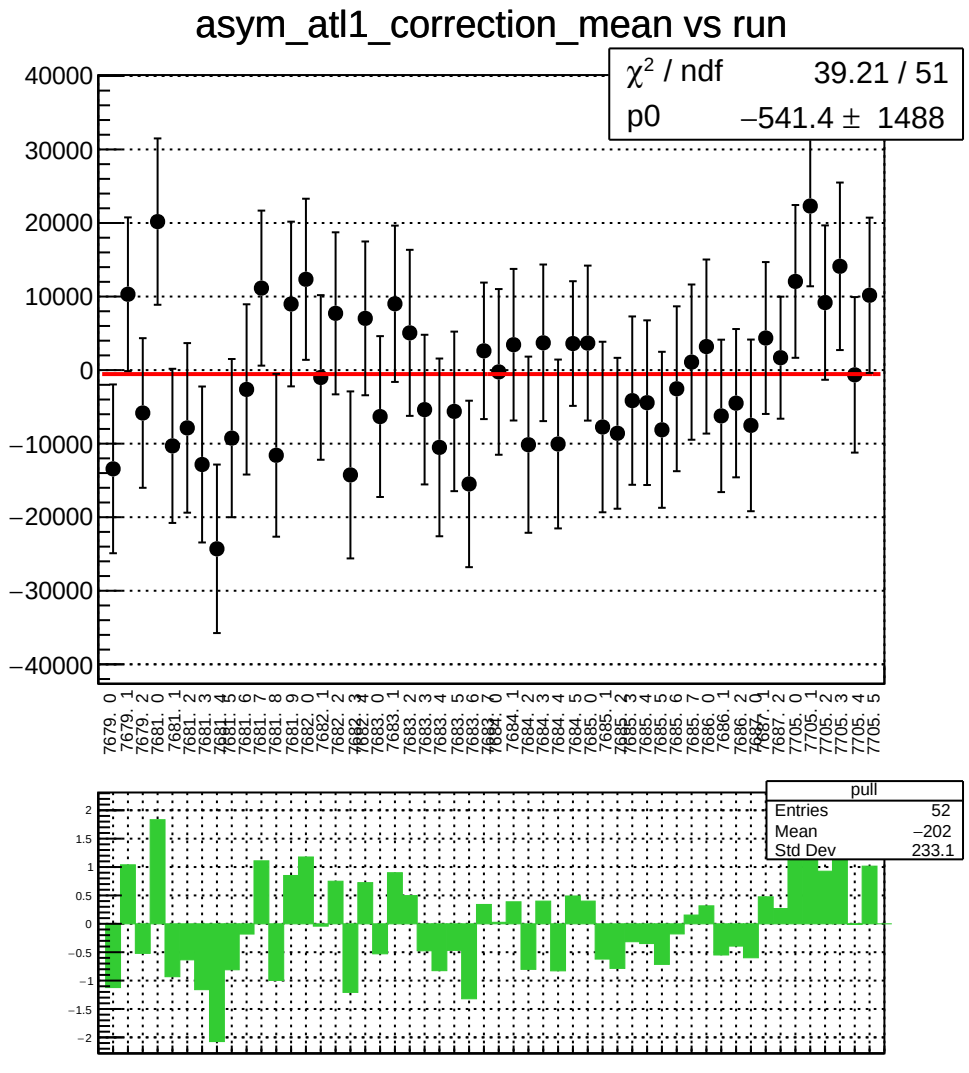

pull1D
Entries 52
Mean 0.01986
Std Dev 1.043

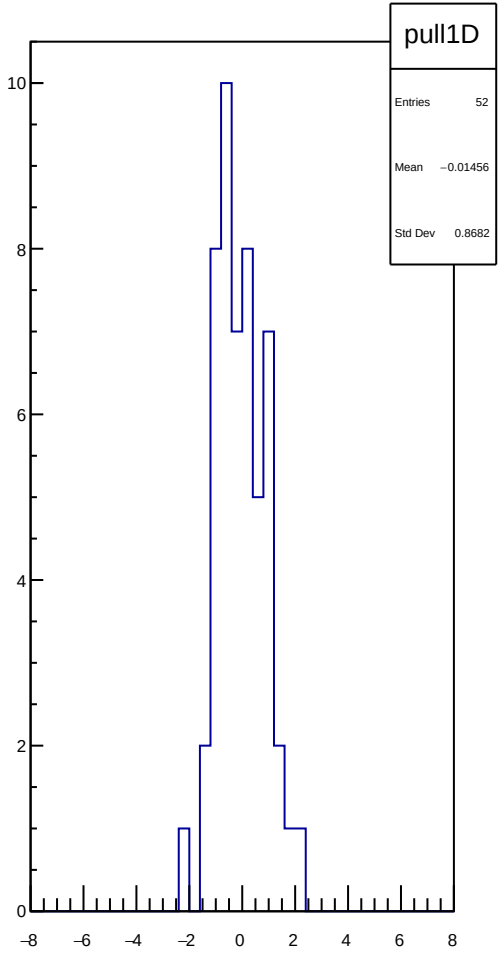

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.6e+04 / 51
p0 2545 ± 2.583
3000
2800
2600
2400
2200
2000
1800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

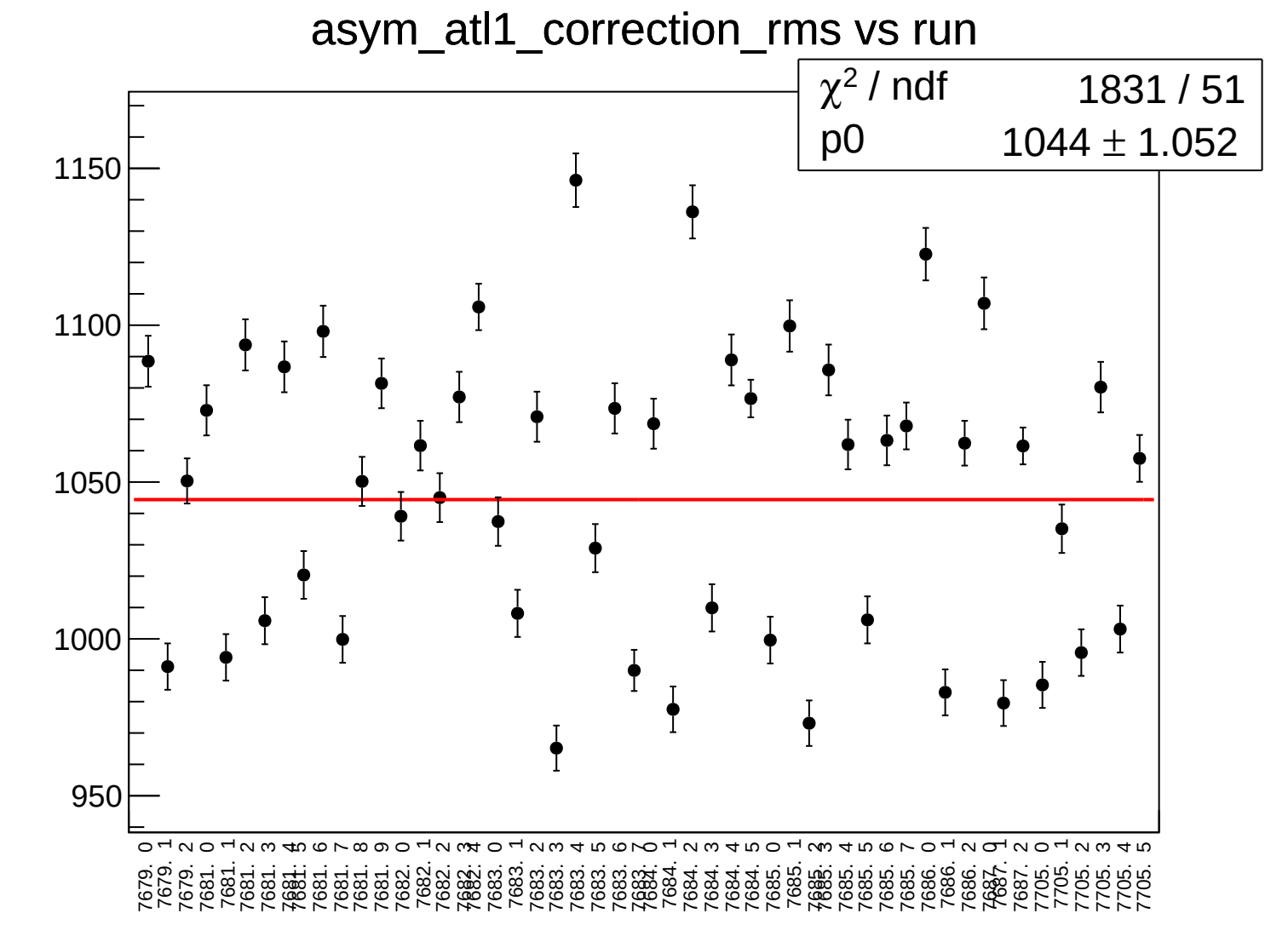

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 48.35 / 51
p0 −4490 ± 3686
100
50
0
−50
−100
pull
Entries 52
Mean −165.2
Std Dev 206.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

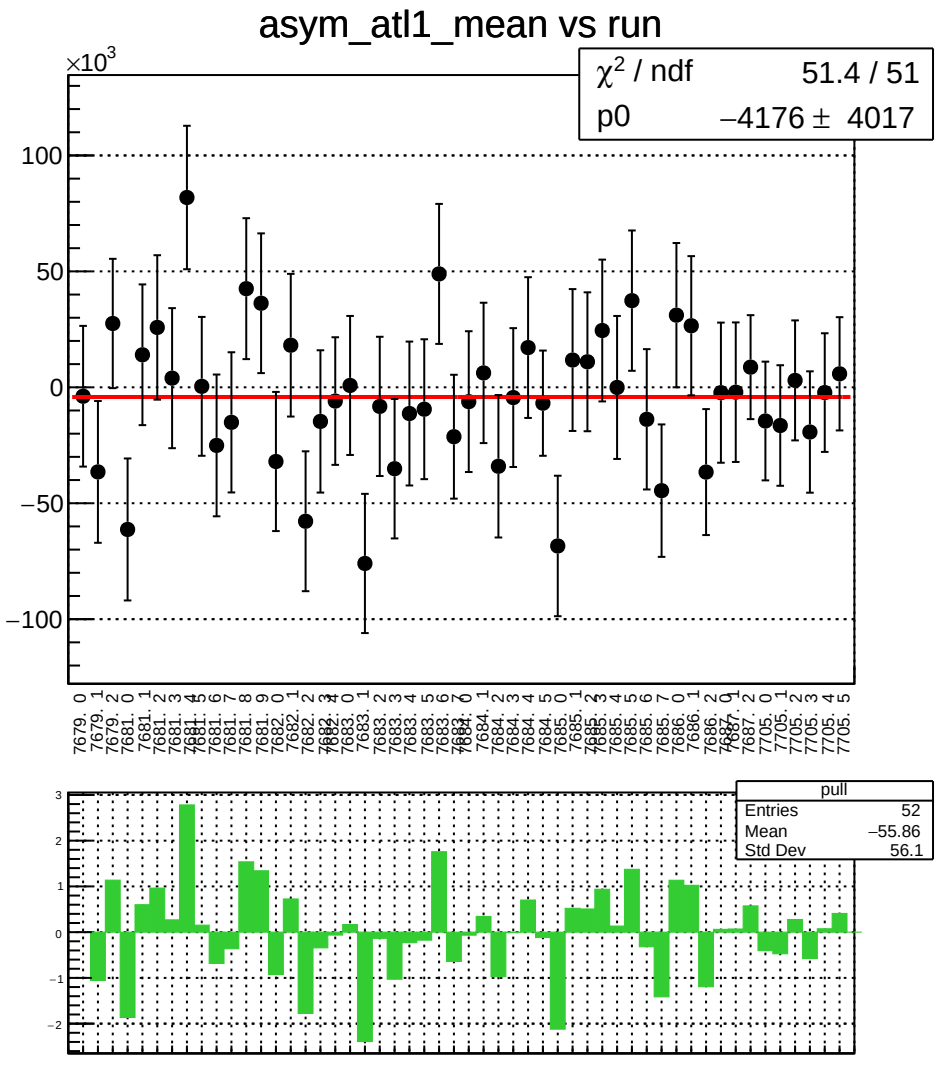

pull1D
Entries 52
Mean −0.005287
Std Dev 0.9643
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

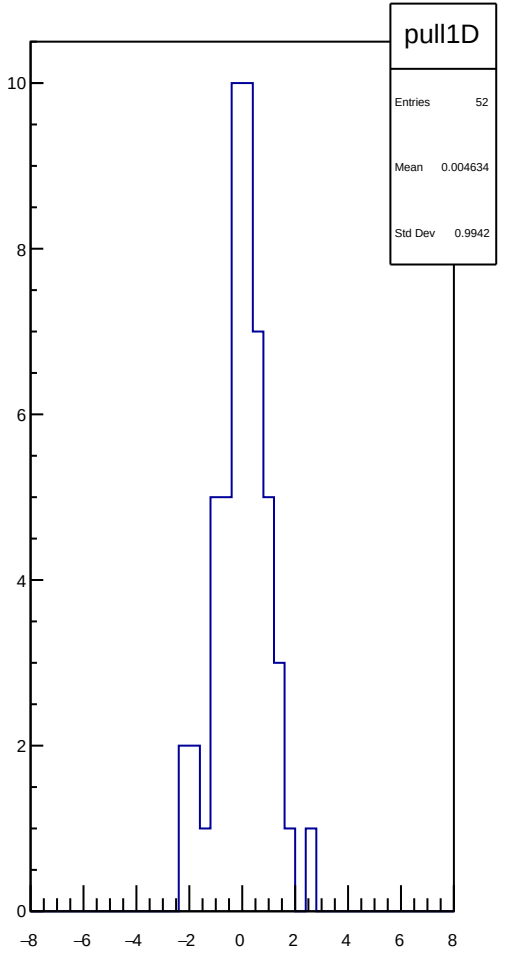

dit_asym_atl1_rms vs run
χ² / ndf 877.2 / 51
p0 2588 ± 2.606
2700
2650
2600
2550
2500
2450
2400
2350
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

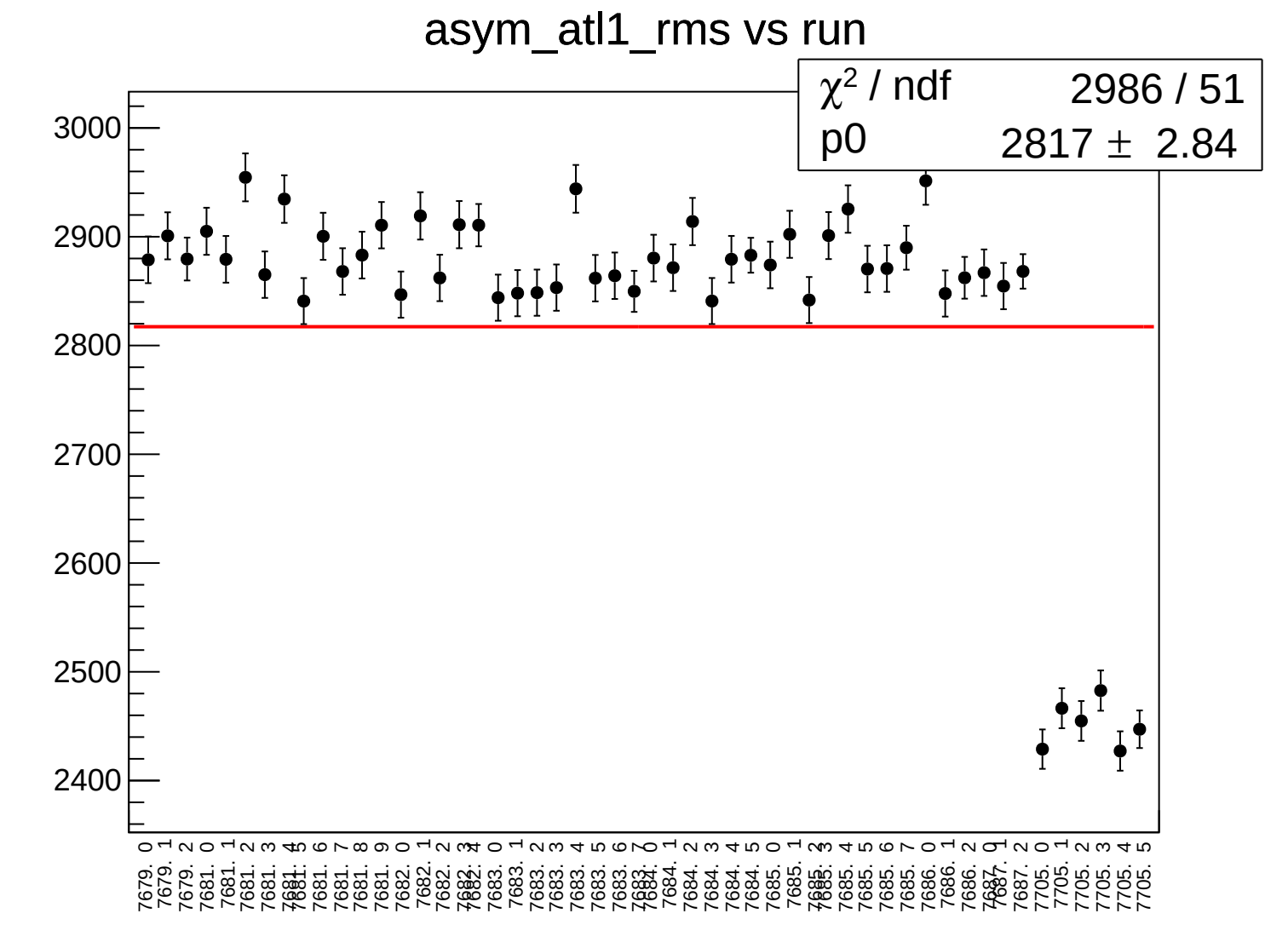

asym_atl1_correction_mean vs run
χ² / ndf 39.21 / 51
p0 −541.4 ± 1488
pull
Entries 52
Mean −202
Std Dev 233.1

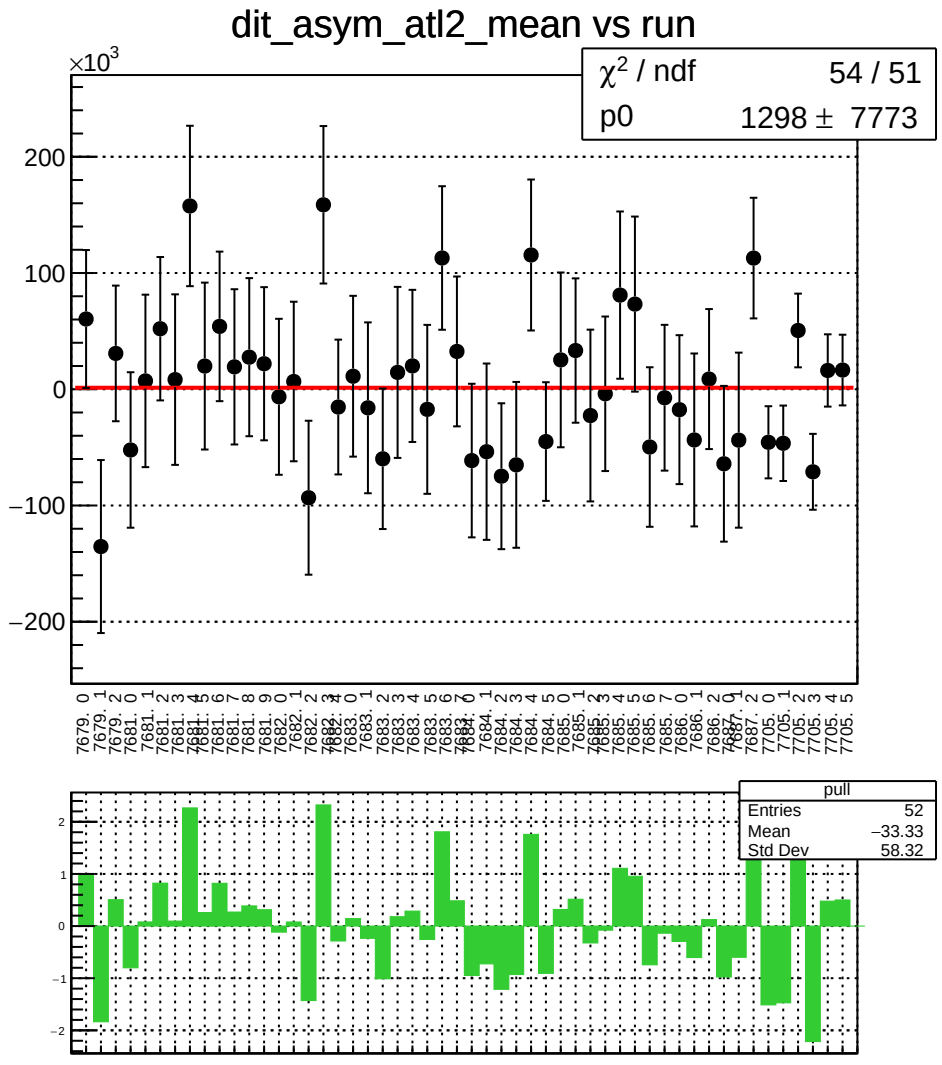

pull1D
Entries 52
Mean −0.01456
Std Dev 0.8682

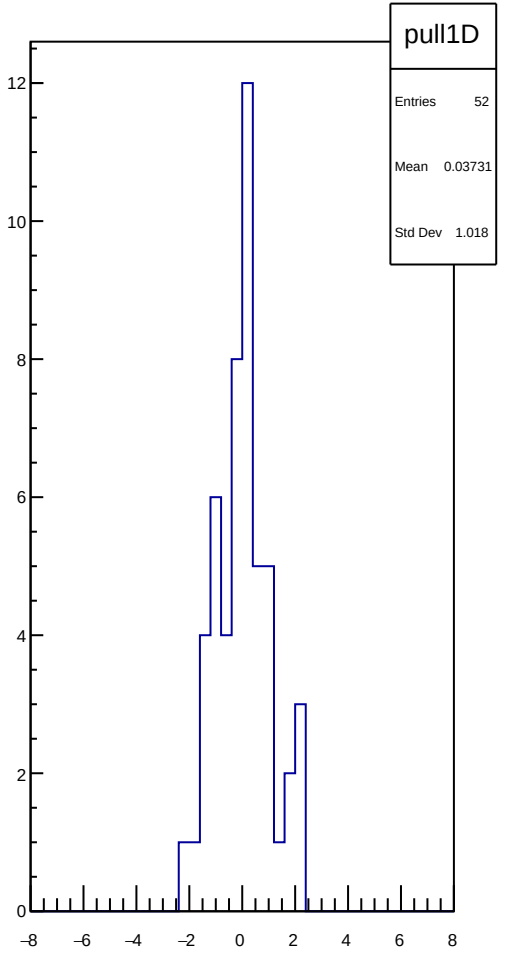

asym_atl1_correction_rms vs run
χ² / ndf 1831 / 51
p0 1044 ± 1.052
1150
1100
1050
1000
950
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

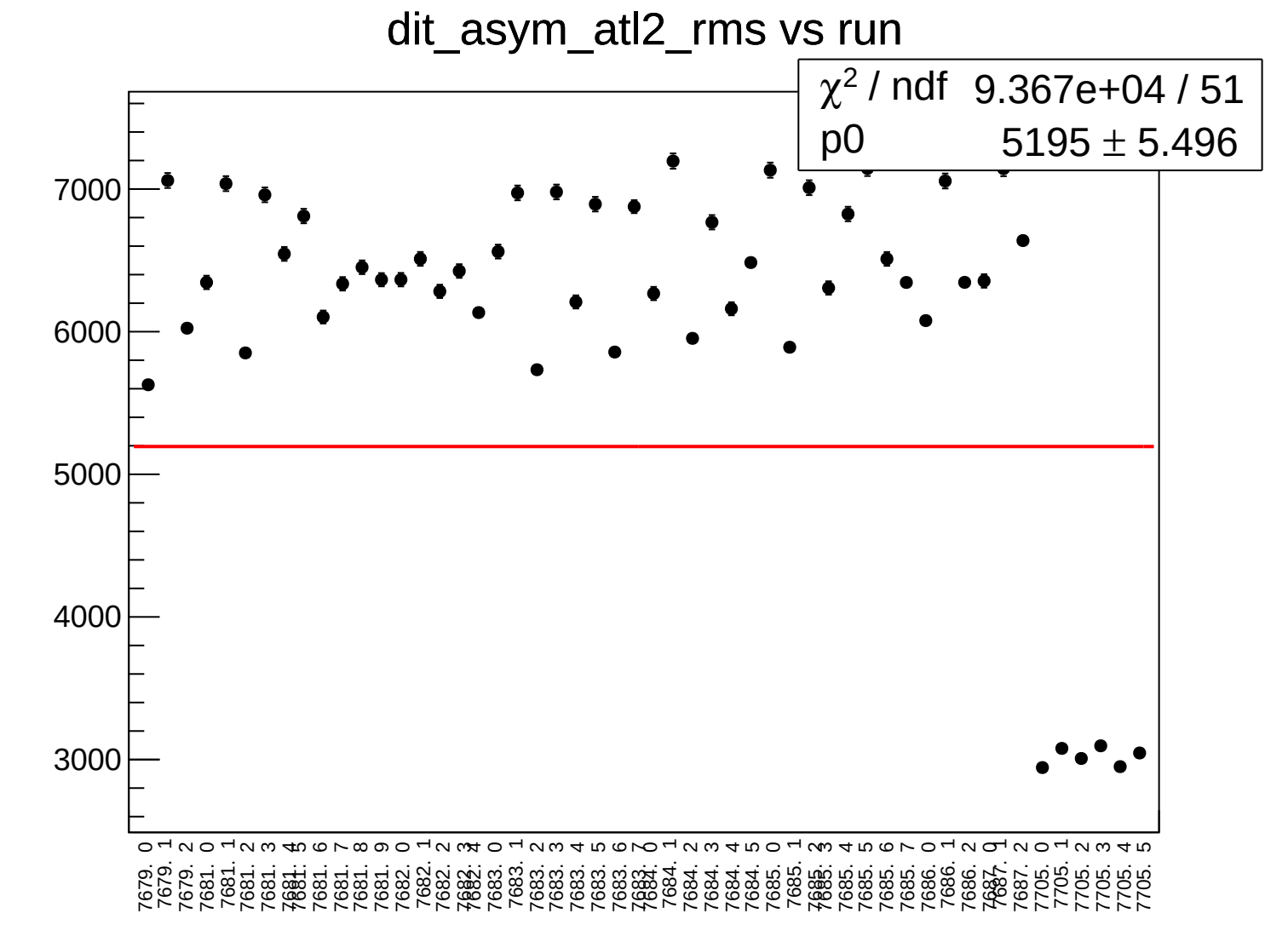

asym_atl1_mean vs run
×10^3
χ² / ndf 51.4 / 51
p0 −4176 ± 4017
100
50
0
−50
−100
pull
Entries 52
Mean −55.86
Std Dev 56.1
3
2
1
0
−1
−2

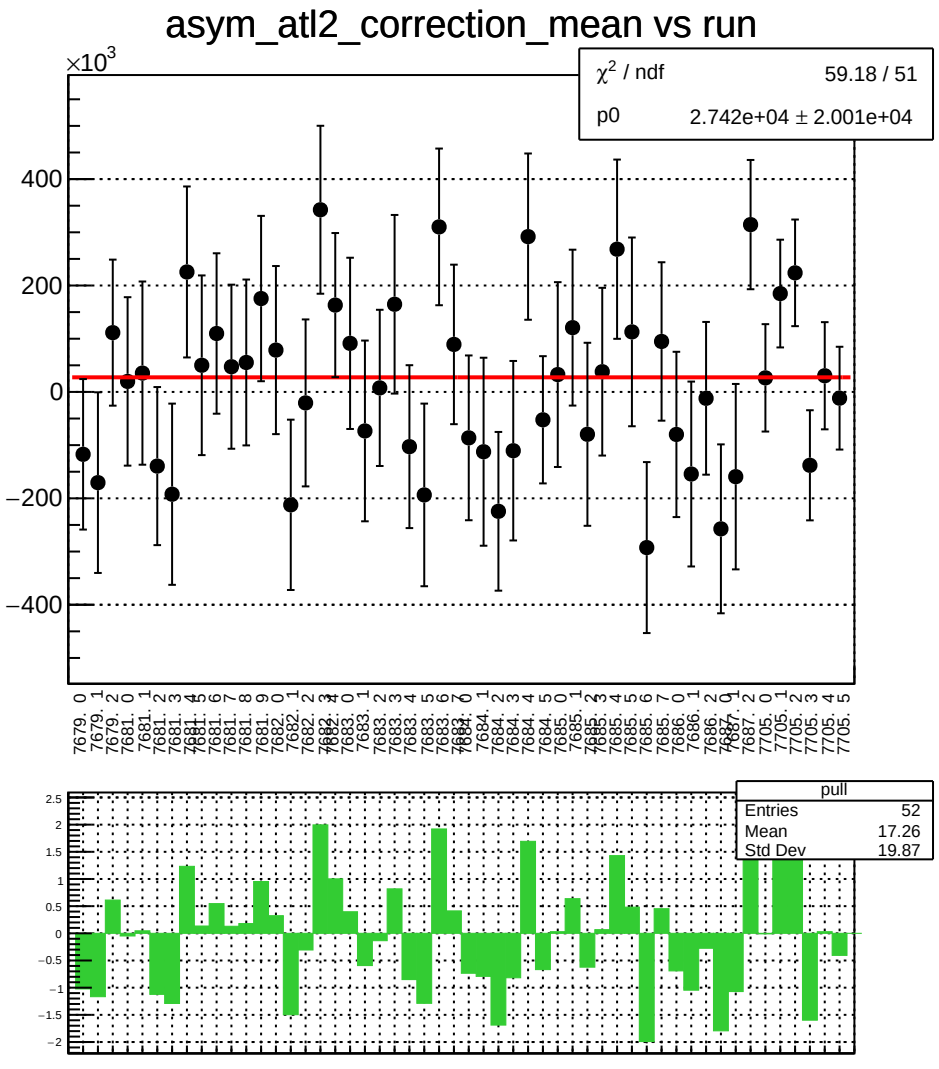

pull1D
Entries 52
Mean 0.004634
Std Dev 0.9942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

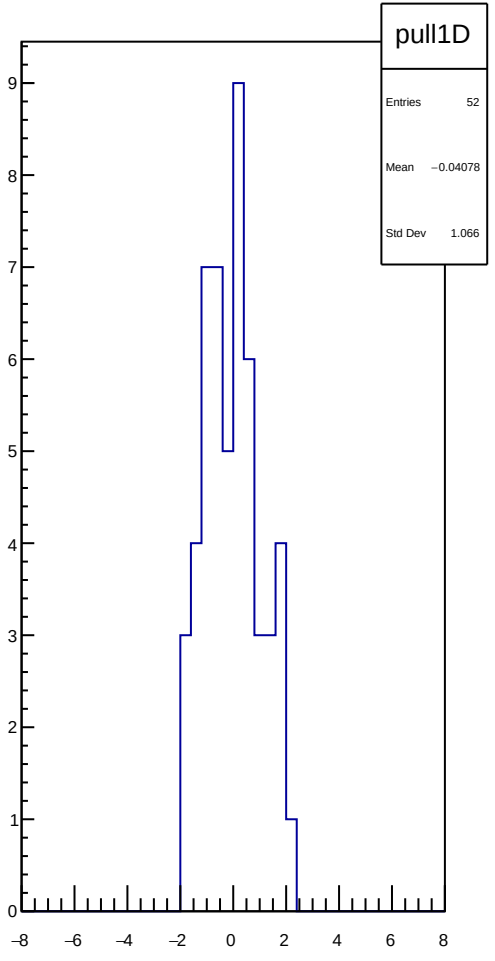

asym_atl1_rms vs run
χ² / ndf 2986 / 51
p0 2817 ± 2.84
3000
2900
2800
2700
2600
2500
2400
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

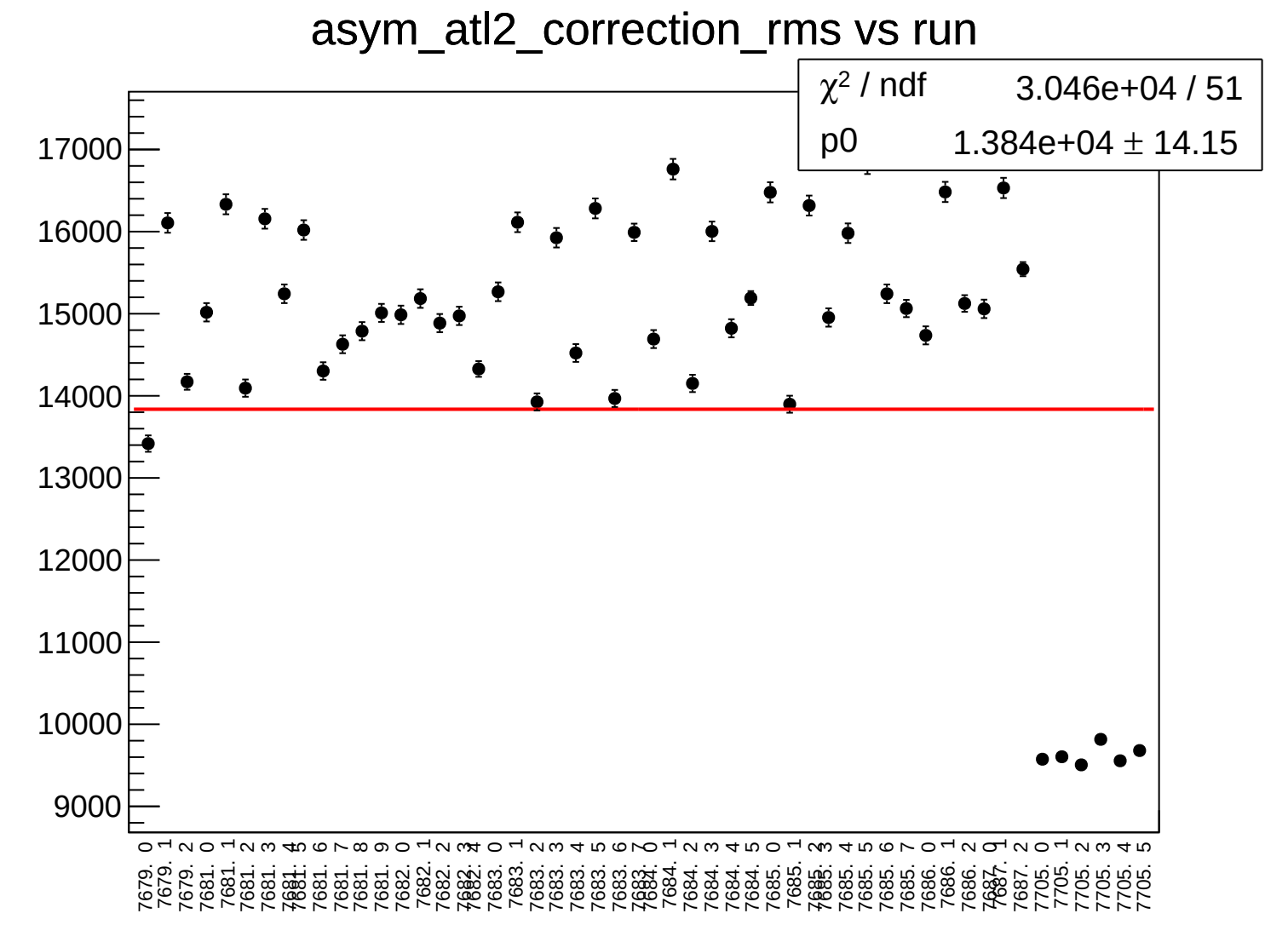

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 54 / 51
p0 1298 ± 7773
200
100
0
−100
−200
pull
Entries 52
Mean −33.33
Std Dev 58.32
2
1
0
−1
−2

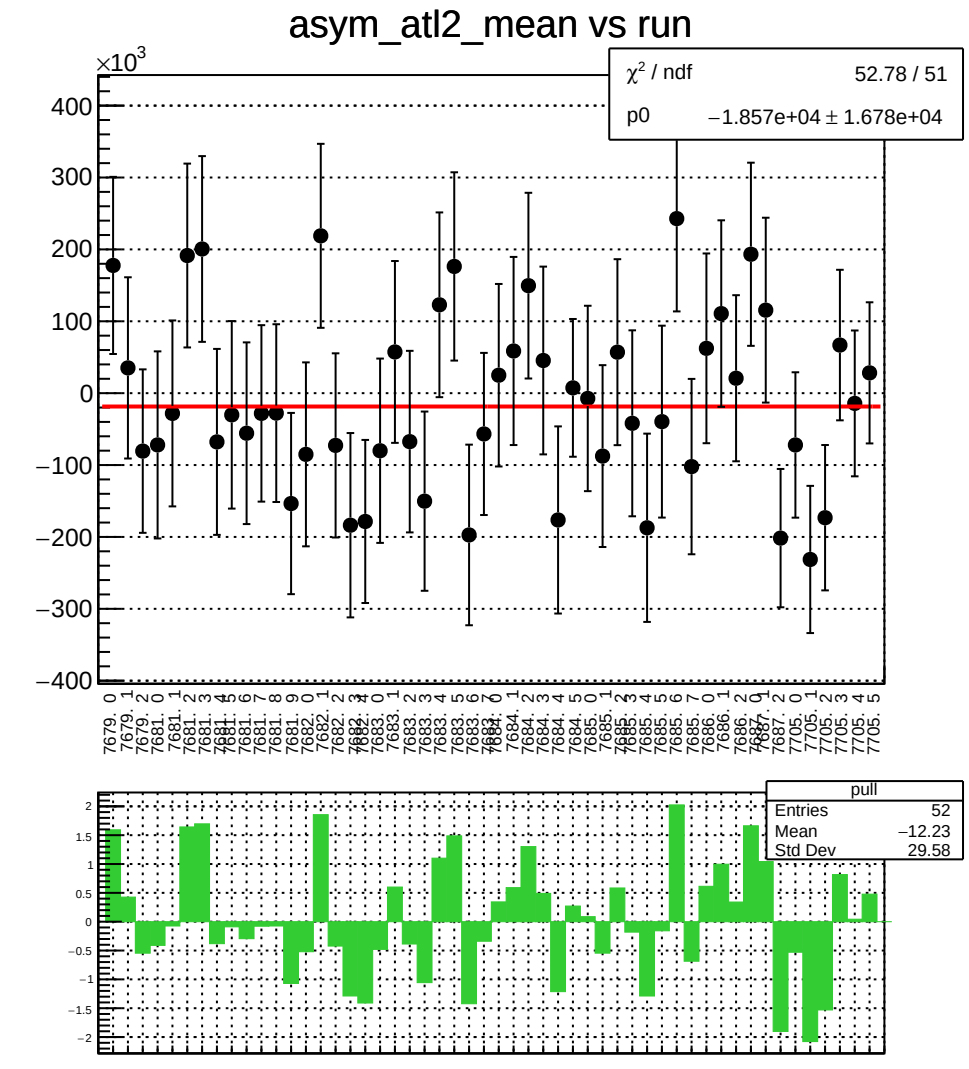

pull1D
Entries 52
Mean 0.03731
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

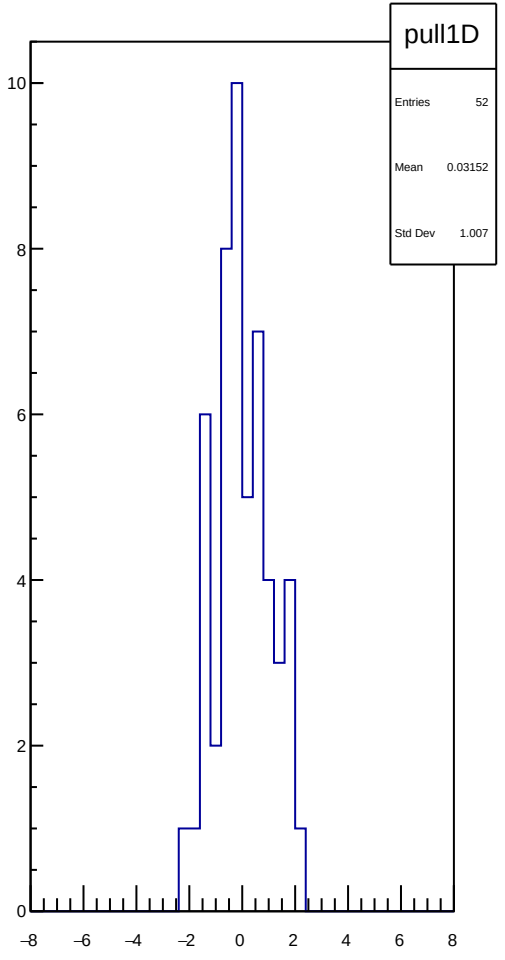

dit_asym_atl2_rms vs run
χ^2 / ndf 9.367e+04 / 51
p0 5195 ± 5.496
7000
6000
5000
4000
3000

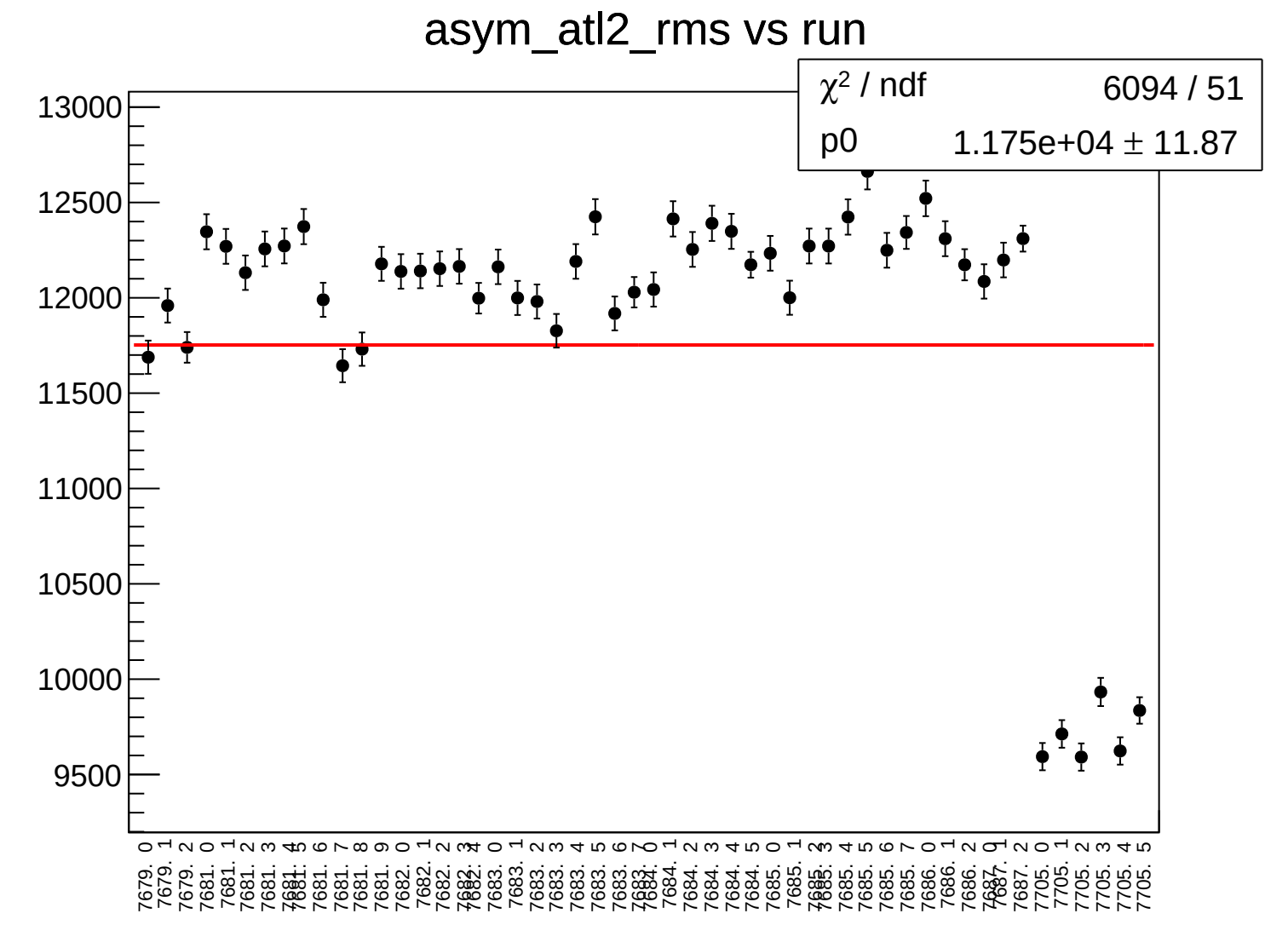

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 59.18 / 51
p0 2.742e+04 ± 2.001e+04
400
200
0
−200
−400
pull
Entries 52
Mean 17.26
Std Dev 19.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

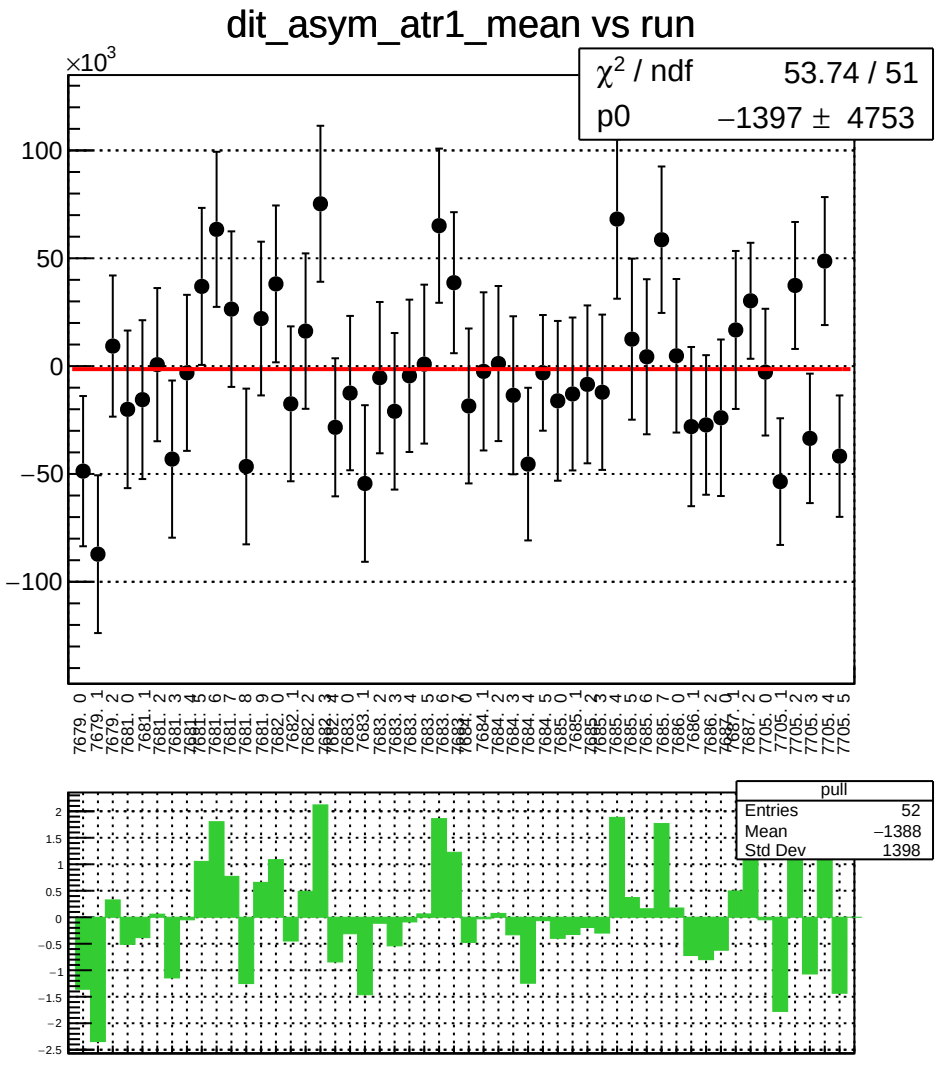

pull1D
Entries 52
Mean −0.04078
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

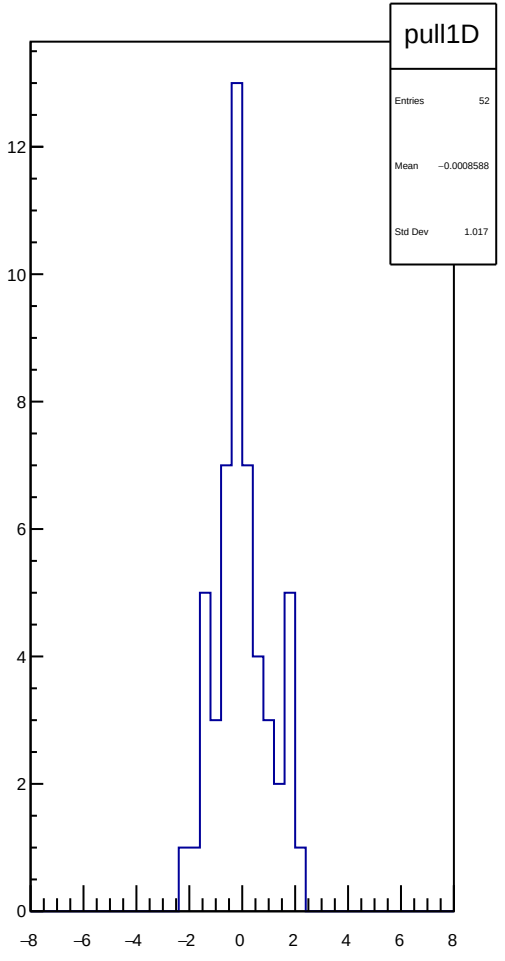

asym_atl2_correction_rms vs run
χ² / ndf 3.046e+04 / 51
p0 1.384e+04 ± 14.15
17000
16000
15000
14000
13000
12000
11000
10000
9000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

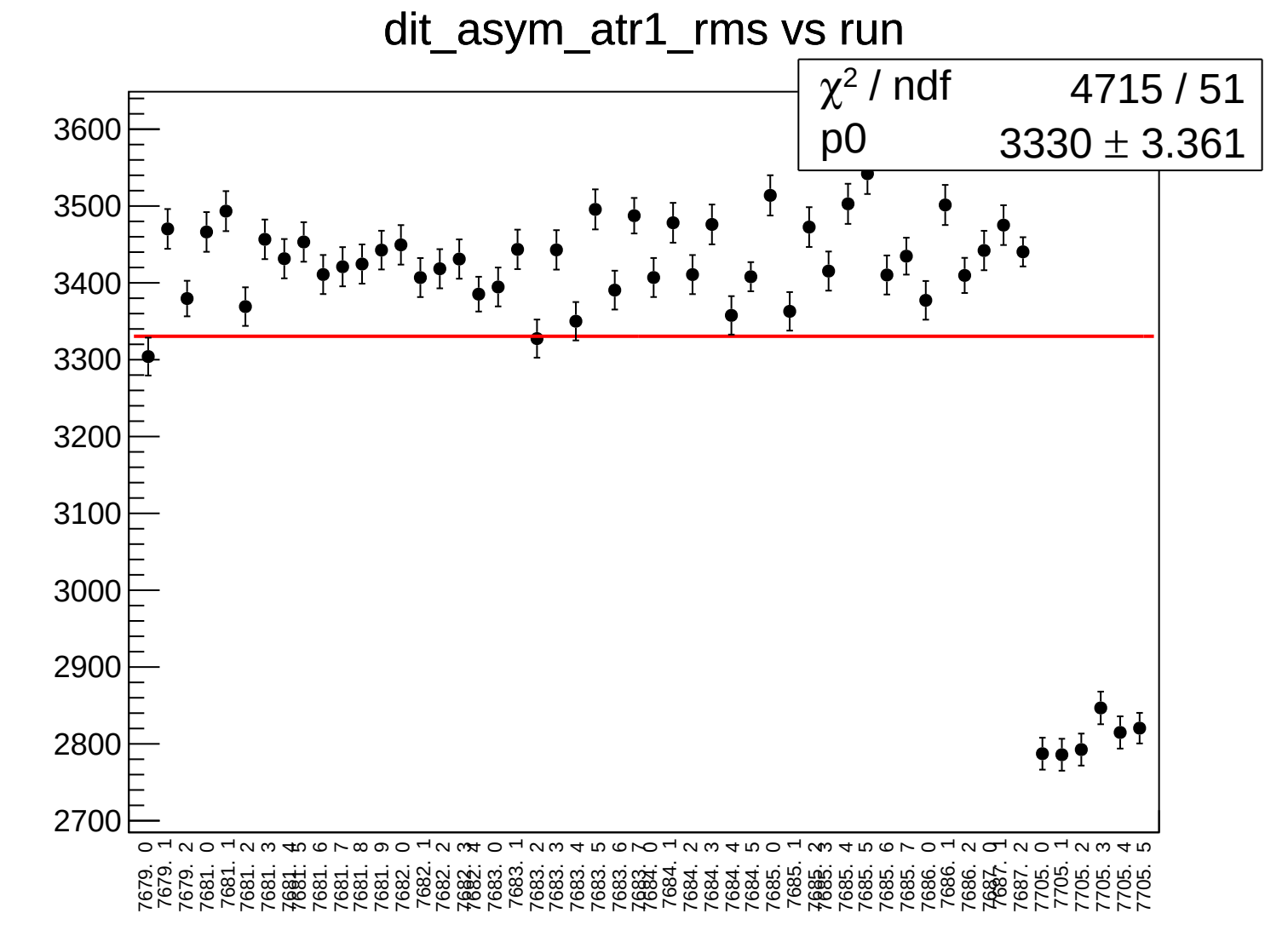

asym_atl2_mean vs run
×10^3
χ² / ndf 52.78 / 51
p0 −1.857e+04 ± 1.678e+04
pull
Entries 52
Mean −12.23
Std Dev 29.58

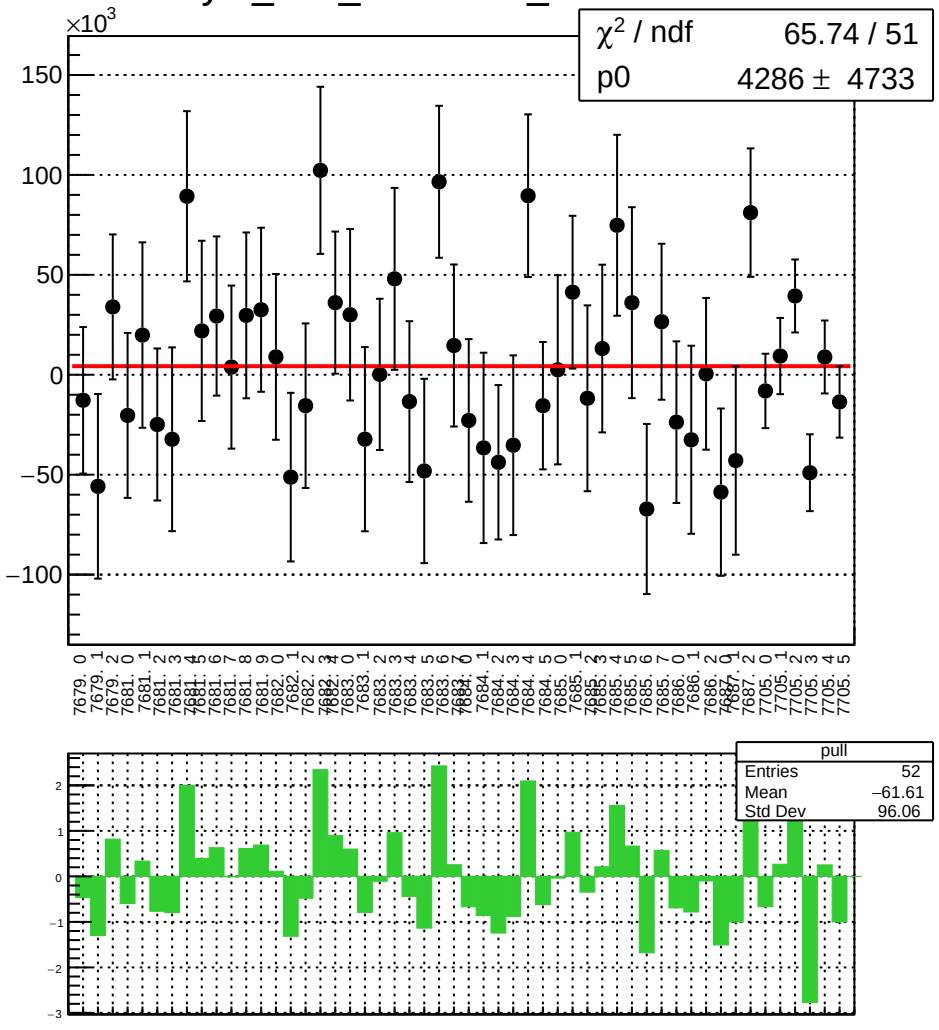

pull1D
Entries 52
Mean 0.03152
Std Dev 1.007

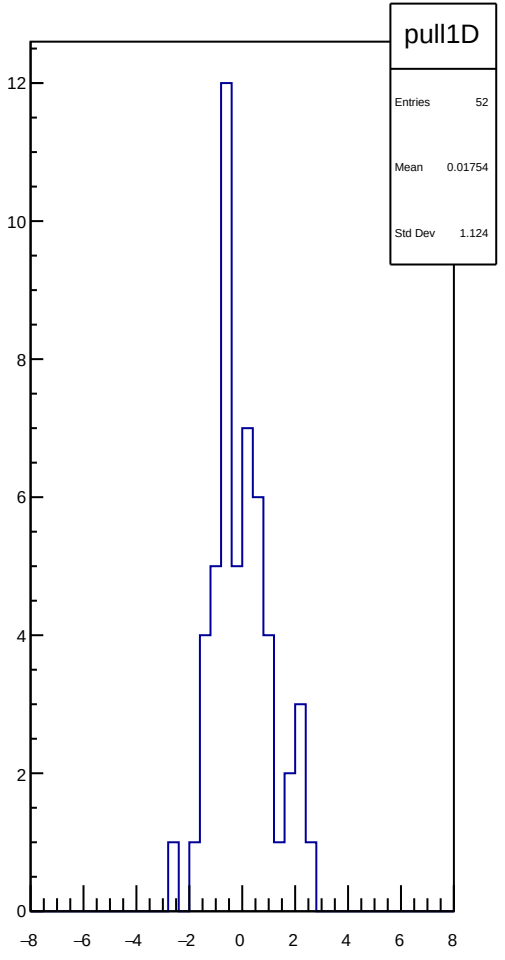

asym_atl2_rms vs run
χ² / ndf 6094 / 51
p0 1.175e+04 ± 11.87
13000
12500
12000
11500
11000
10500
10000
9500

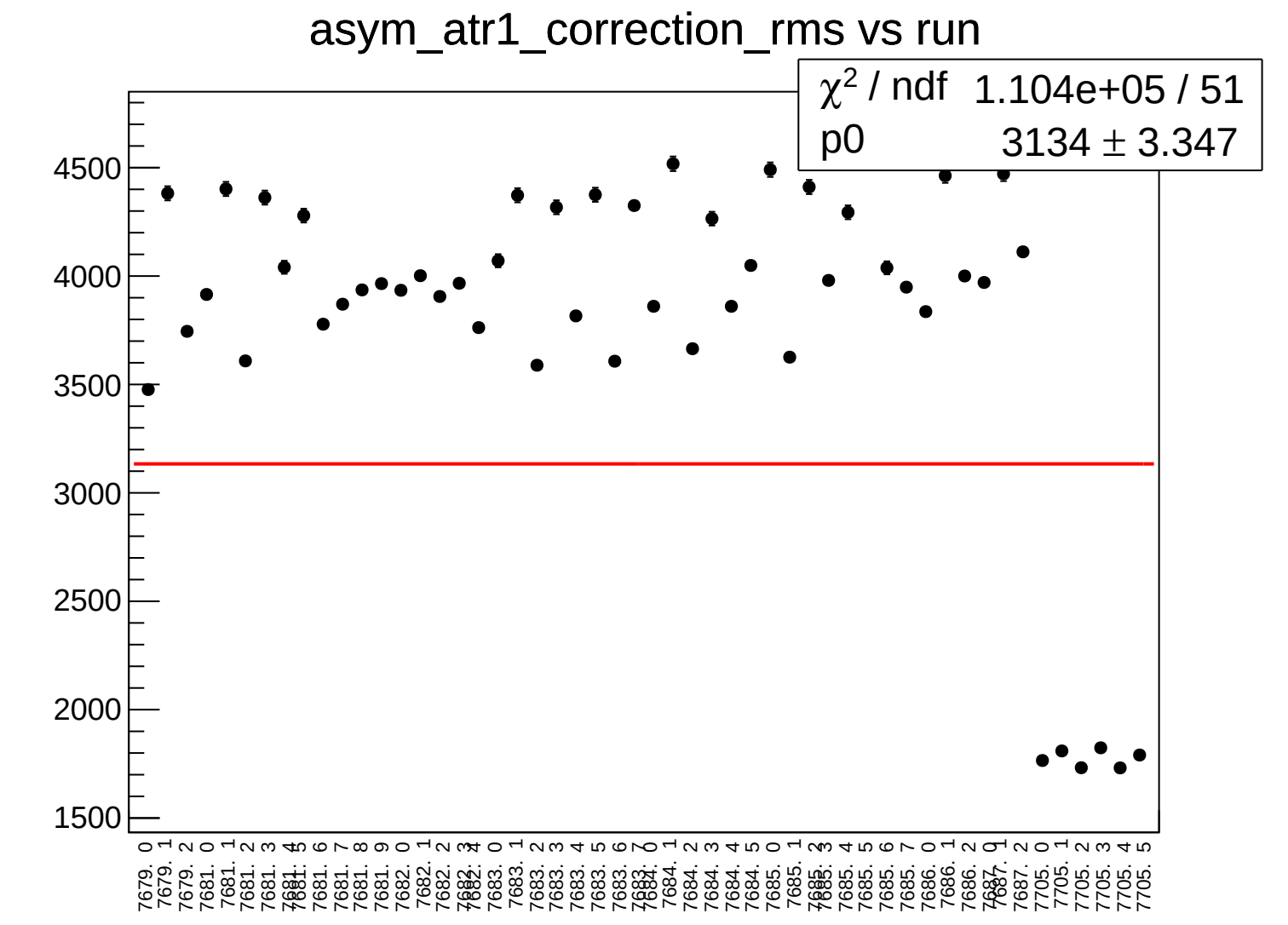

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 53.74 / 51
p0 −1397 ± 4753
100
50
0
−50
−100
pull
Entries 52
Mean −1388
Std Dev 1398
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

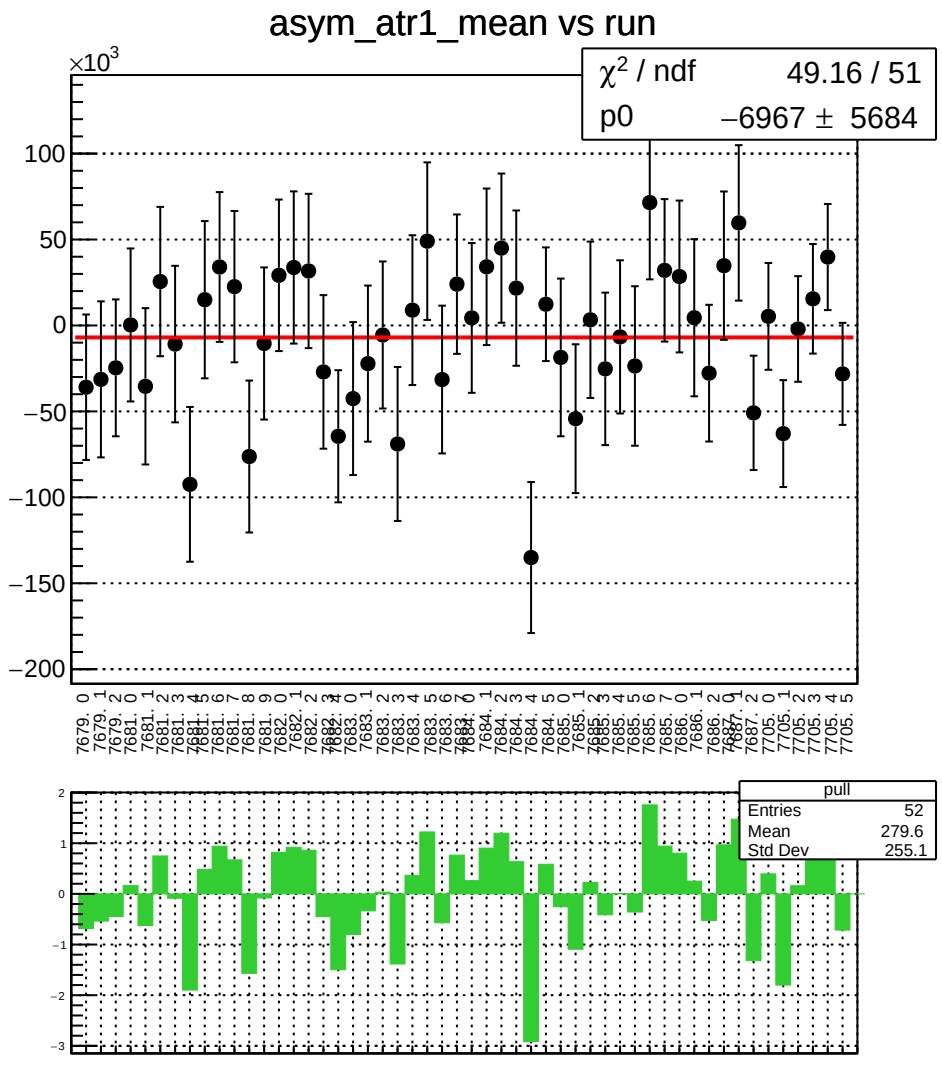

pull1D
Entries 52
Mean −0.0008588
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

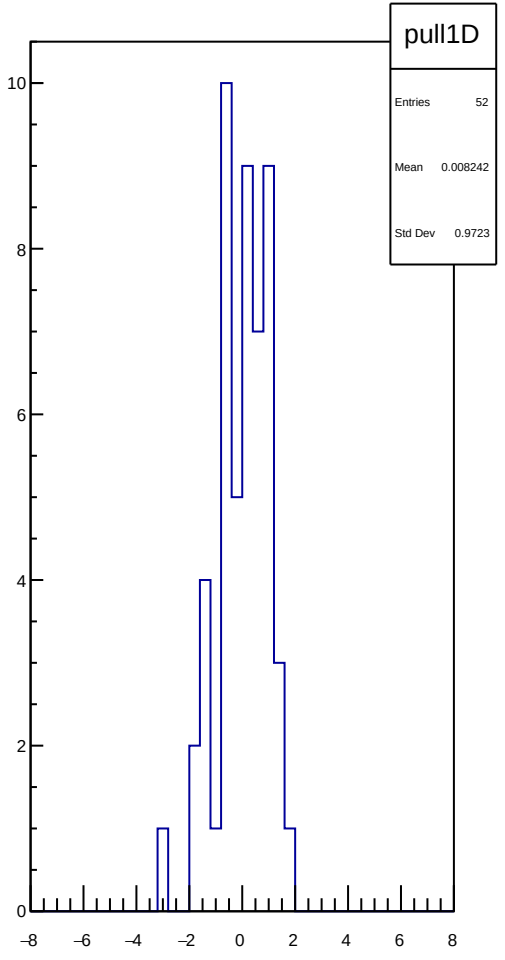

dit_asym_atr1_rms vs run
χ² / ndf 4715 / 51
p0 3330 ± 3.361
3600
3500
3400
3300
3200
3100
3000
2900
2800
2700

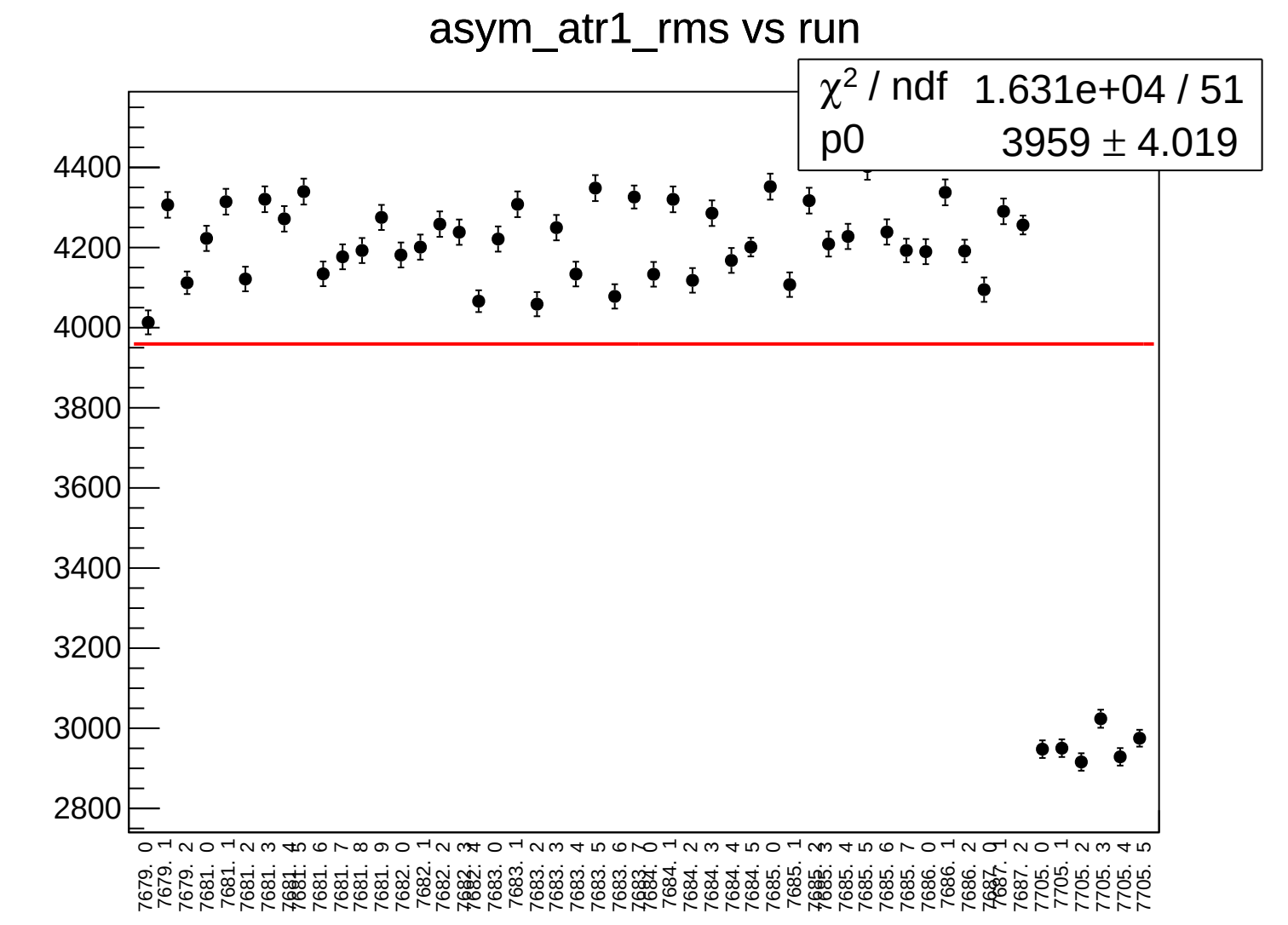

asym_atr1_correction_mean vs run
×10^3
χ² / ndf 65.74 / 51
p0 4286 ± 4733
150
100
50
0
−50
−100
pull
Entries 52
Mean −61.61
Std Dev 96.06
2
1
0
−1
−2
−3

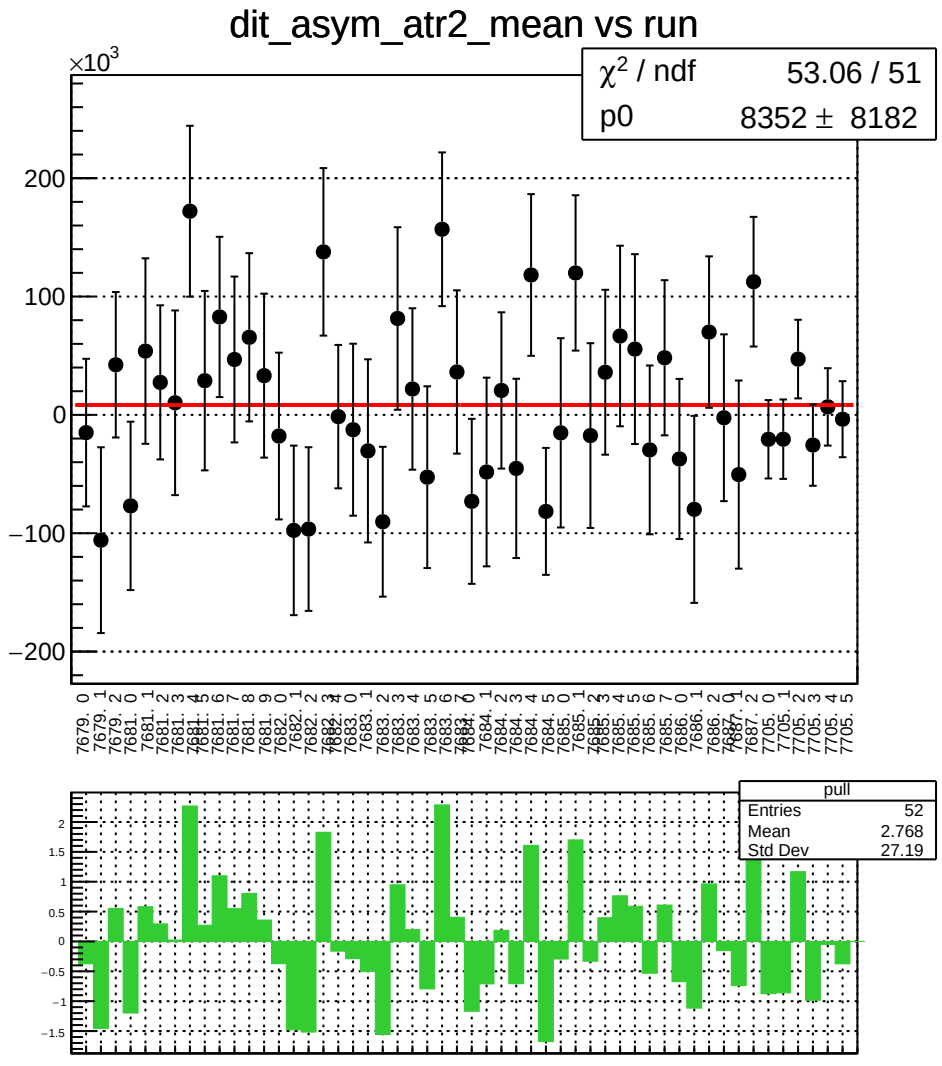

pull1D
Entries 52
Mean 0.01754
Std Dev 1.124
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

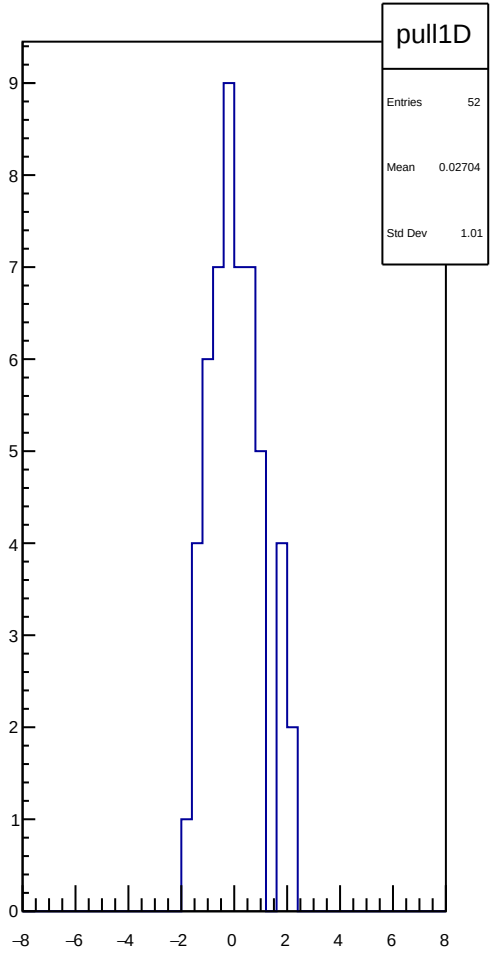

asym_atr1_correction_rms vs run
χ² / ndf 1.104e+05 / 51
p0 3134 ± 3.347
4500
4000
3500
3000
2500
2000
1500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

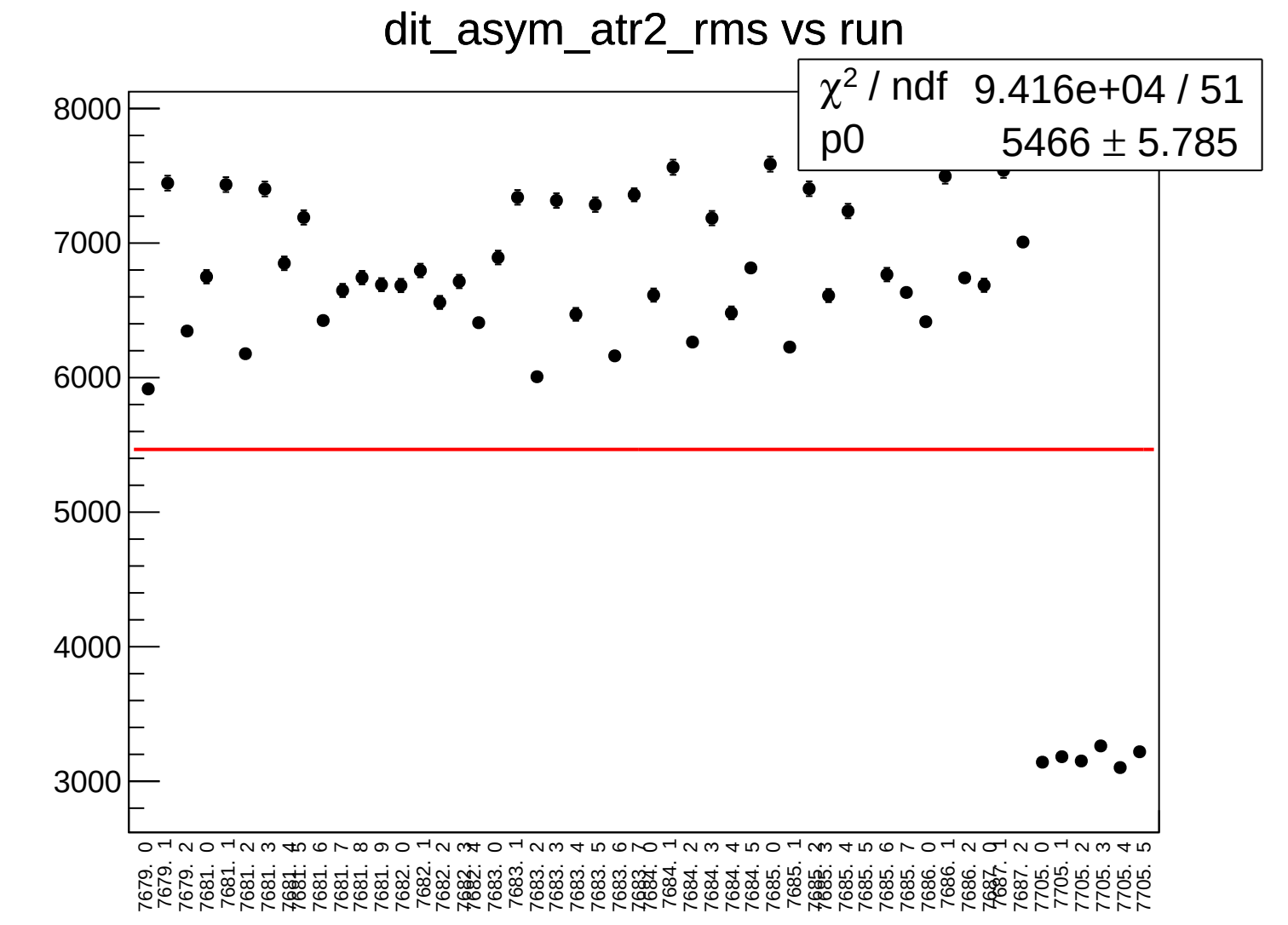

asym_atr1_mean vs run
×10^3
χ² / ndf 49.16 / 51
p0 −6967 ± 5684
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 279.6
Std Dev 255.1
2
1
0
−1
−2
−3

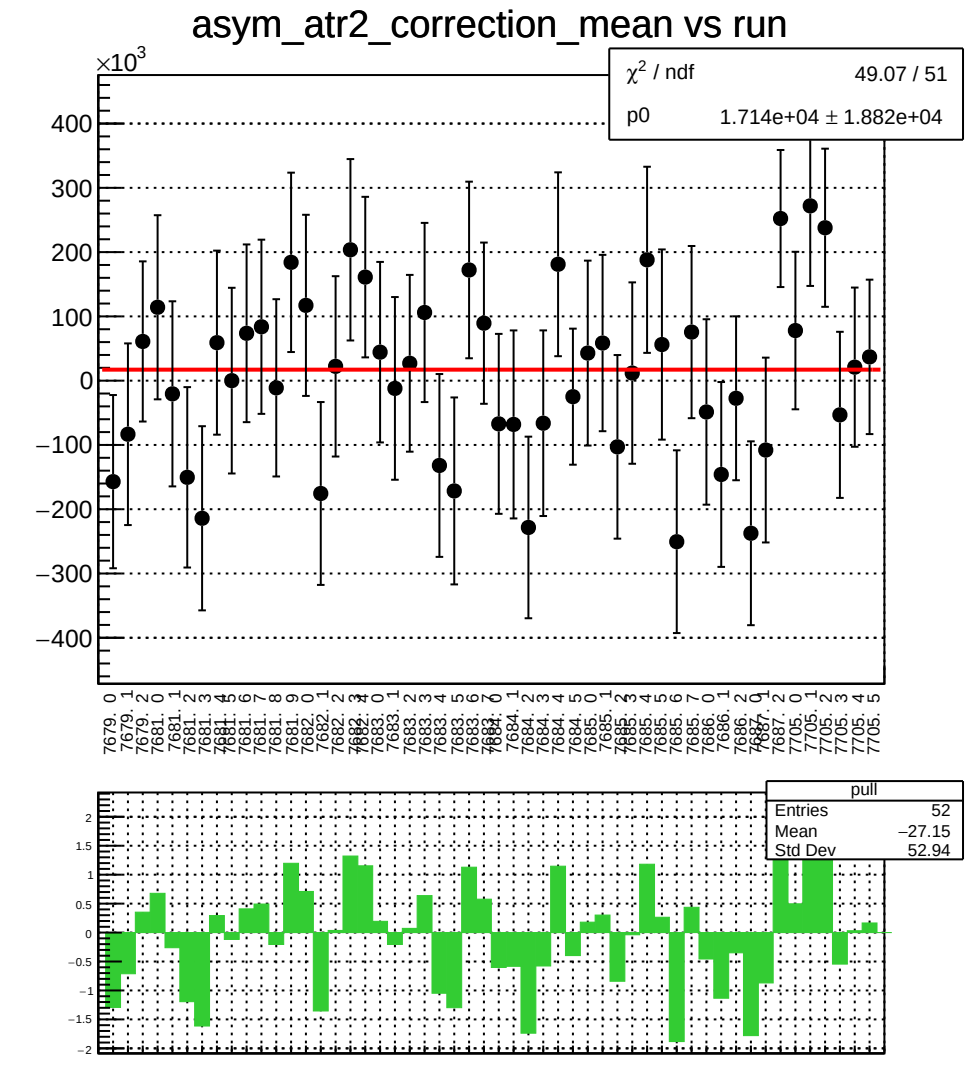

pull1D
Entries 52
Mean 0.008242
Std Dev 0.9723
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

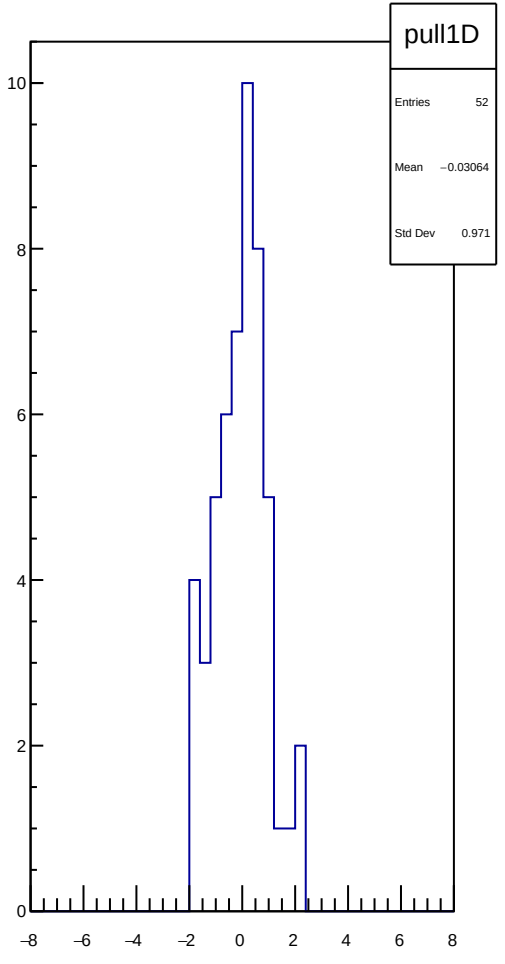

asym_atr1_rms vs run
χ² / ndf 1.631e+04 / 51
p0 3959 ± 4.019
4400
4200
4000
3800
3600
3400
3200
3000
2800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

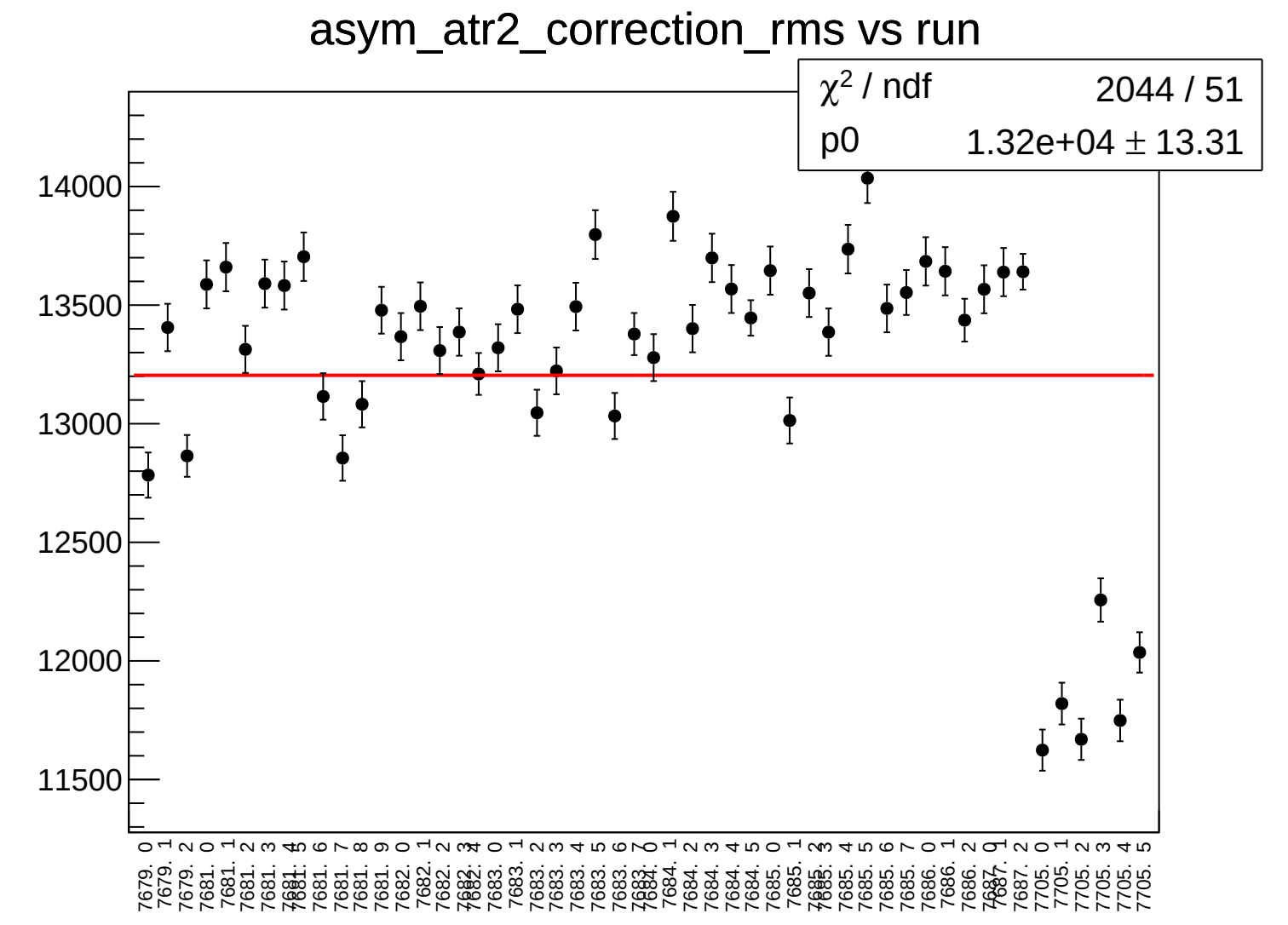

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 53.06 / 51
p0 8352 ± 8182
200
100
0
−100
−200
pull
Entries 52
Mean 2.768
Std Dev 27.19
2
1.5
1
0.5
0
−0.5
−1
−1.5

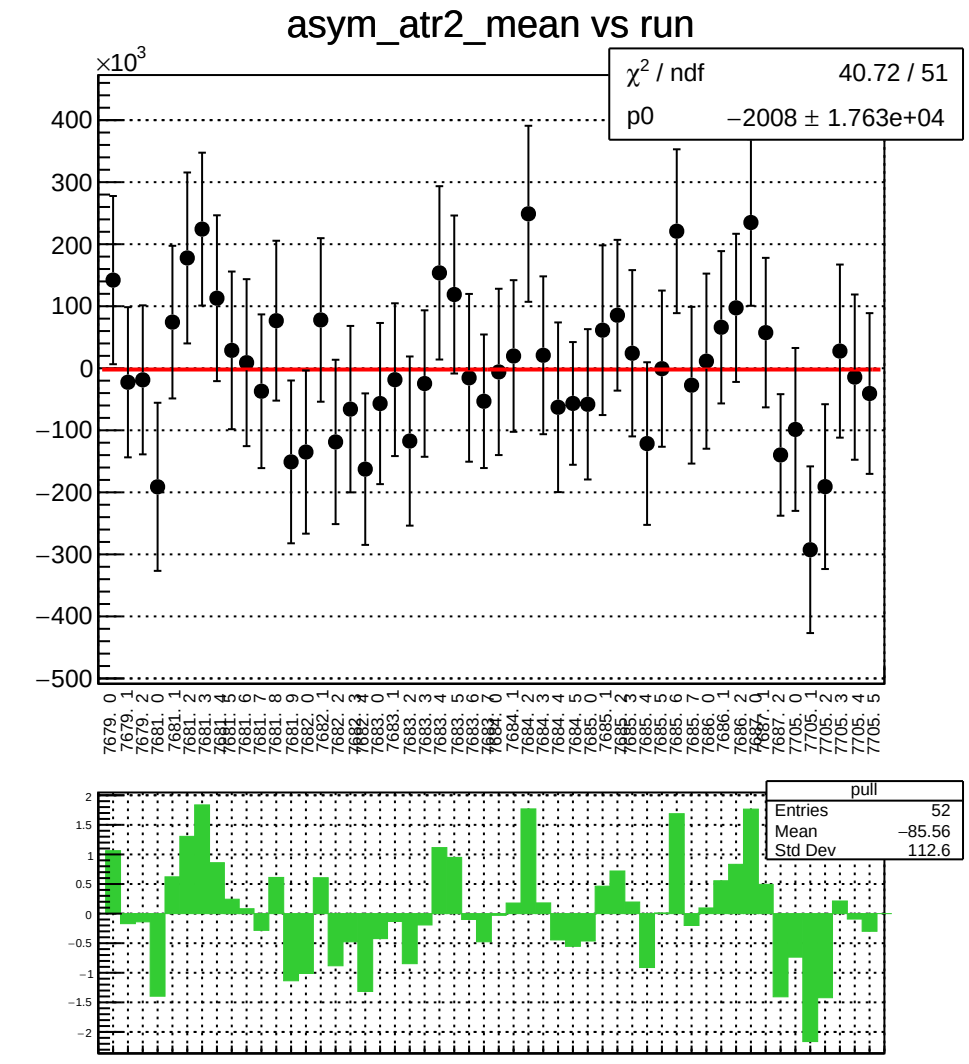

pull1D
Entries 52
Mean 0.02704
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

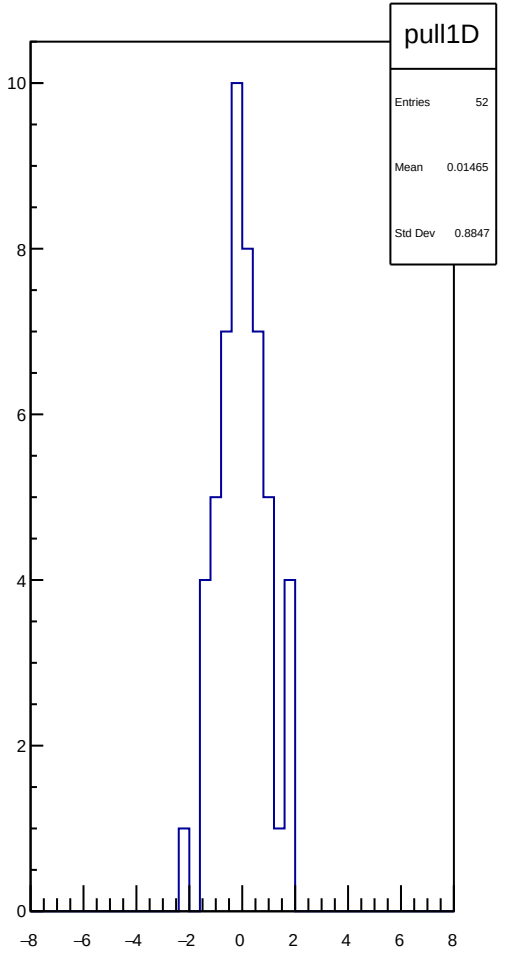

dit_asym_atr2_rms vs run
χ² / ndf 9.416e+04 / 51
p0 5466 ± 5.785
8000
7000
6000
5000
4000
3000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

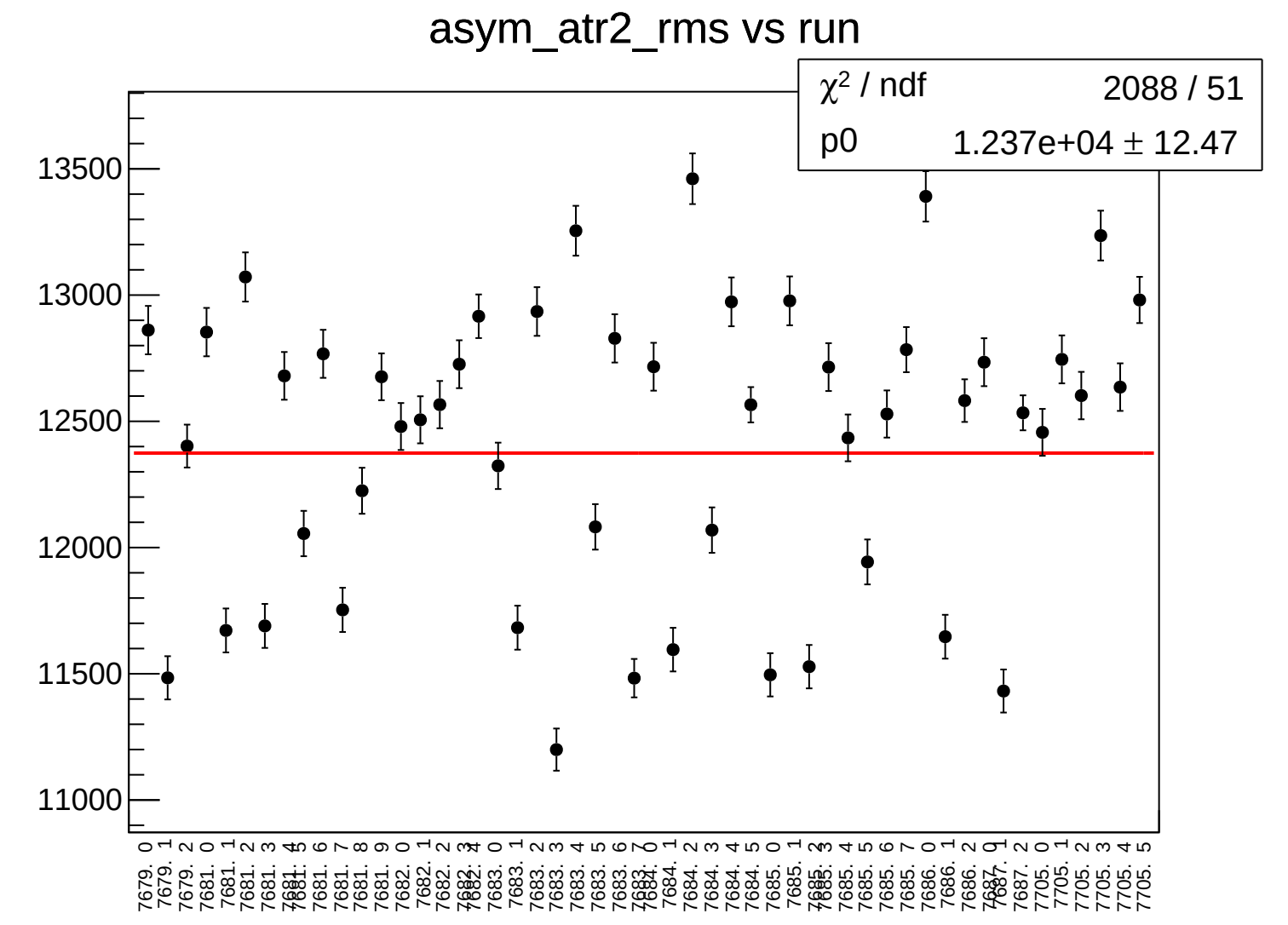

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 49.07 / 51
p0 1.714e+04 ± 1.882e+04
pull
Entries 52
Mean −27.15
Std Dev 52.94

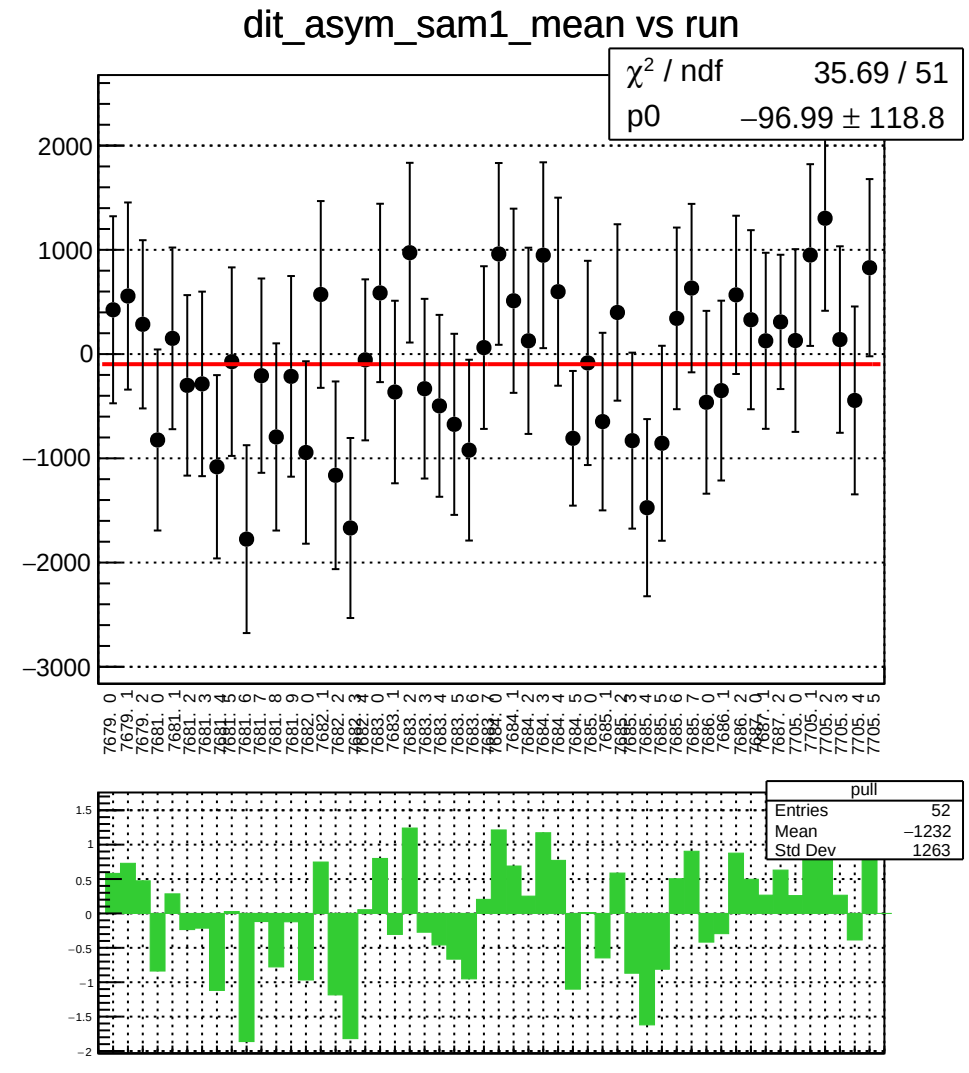

pull1D
Entries 52
Mean −0.03064
Std Dev 0.971

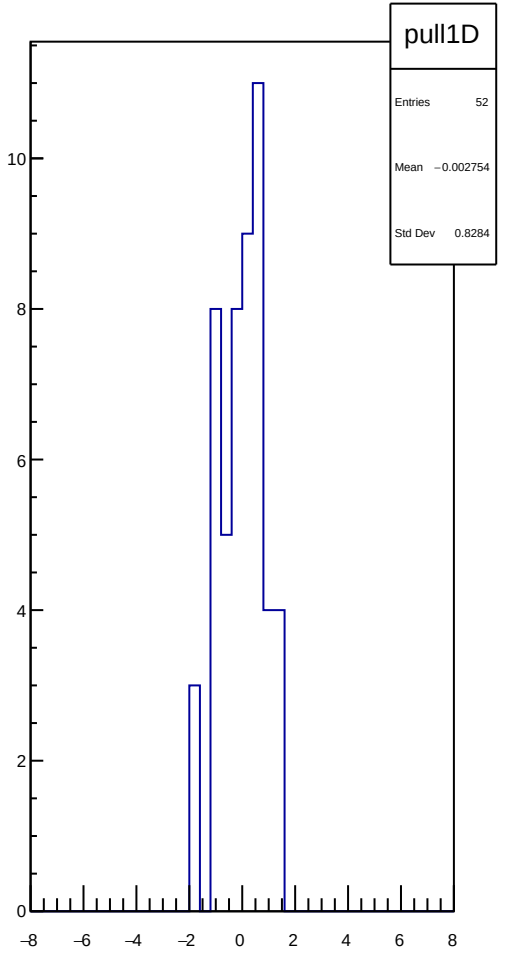

asym_atr2_correction_rms vs run
χ² / ndf 2044 / 51
p0 1.32e+04 ± 13.31
14000
13500
13000
12500
12000
11500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

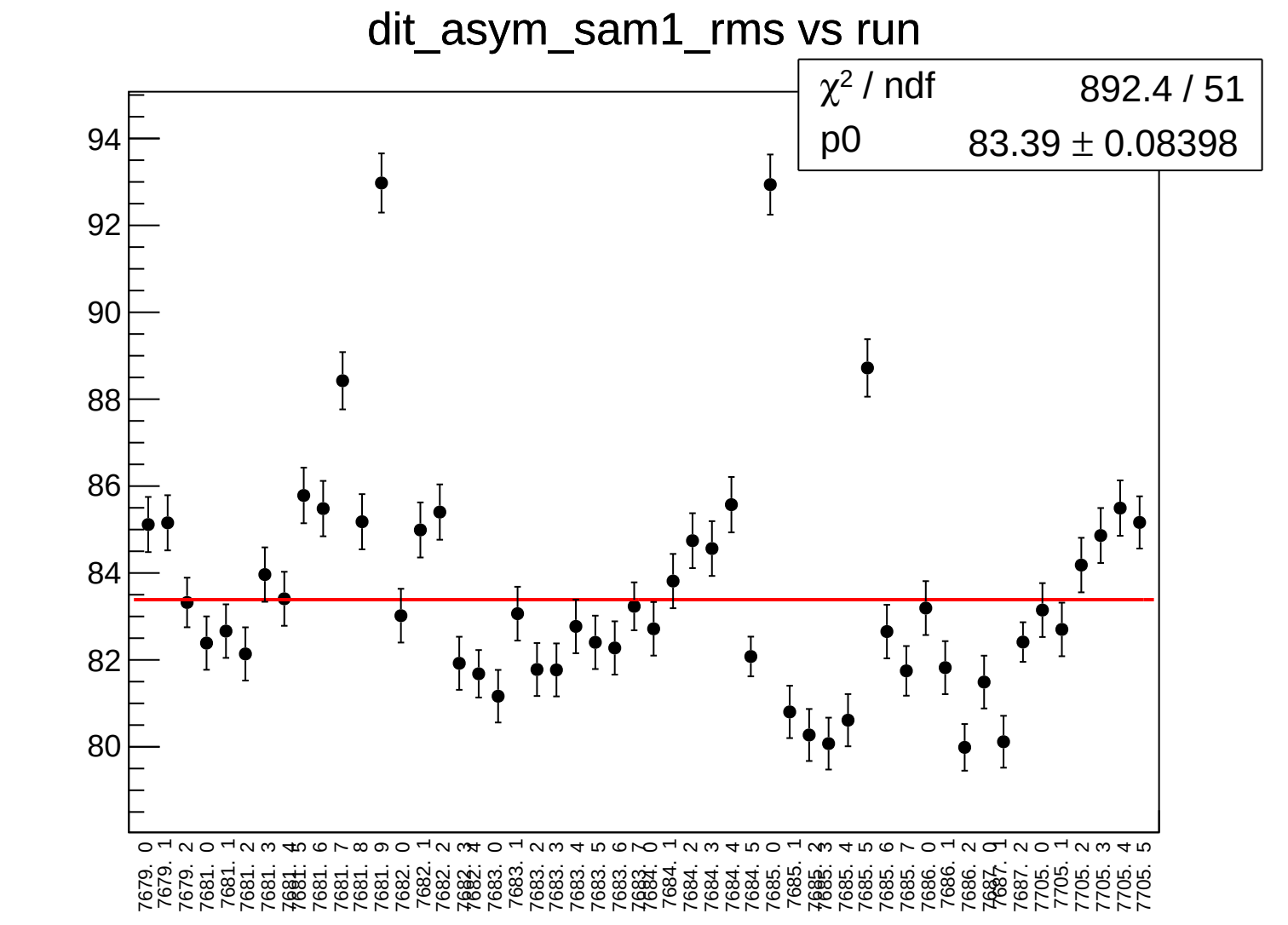

asym_atr2_mean vs run
×10^3
χ² / ndf 40.72 / 51
p0 −2008 ± 1.763e+04
pull
Entries 52
Mean −85.56
Std Dev 112.6

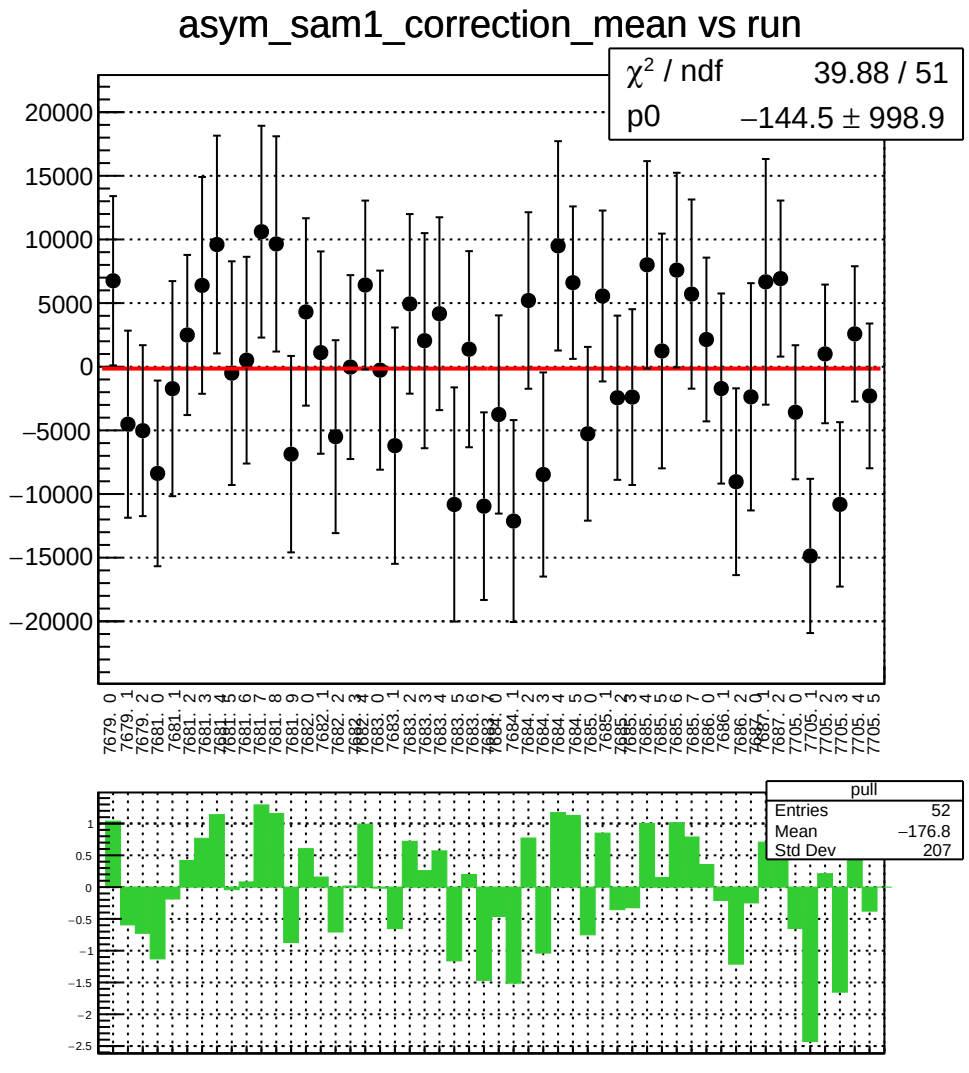

pull1D
Entries 52
Mean 0.01465
Std Dev 0.8847

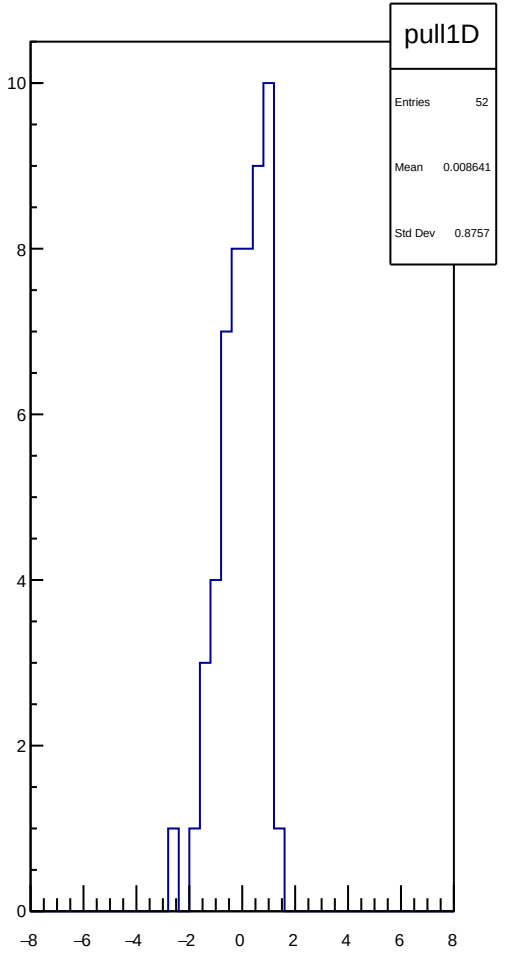

asym_atr2_rms vs run
χ² / ndf 2088 / 51
p0 1.237e+04 ± 12.47
13500
13000
12500
12000
11500
11000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

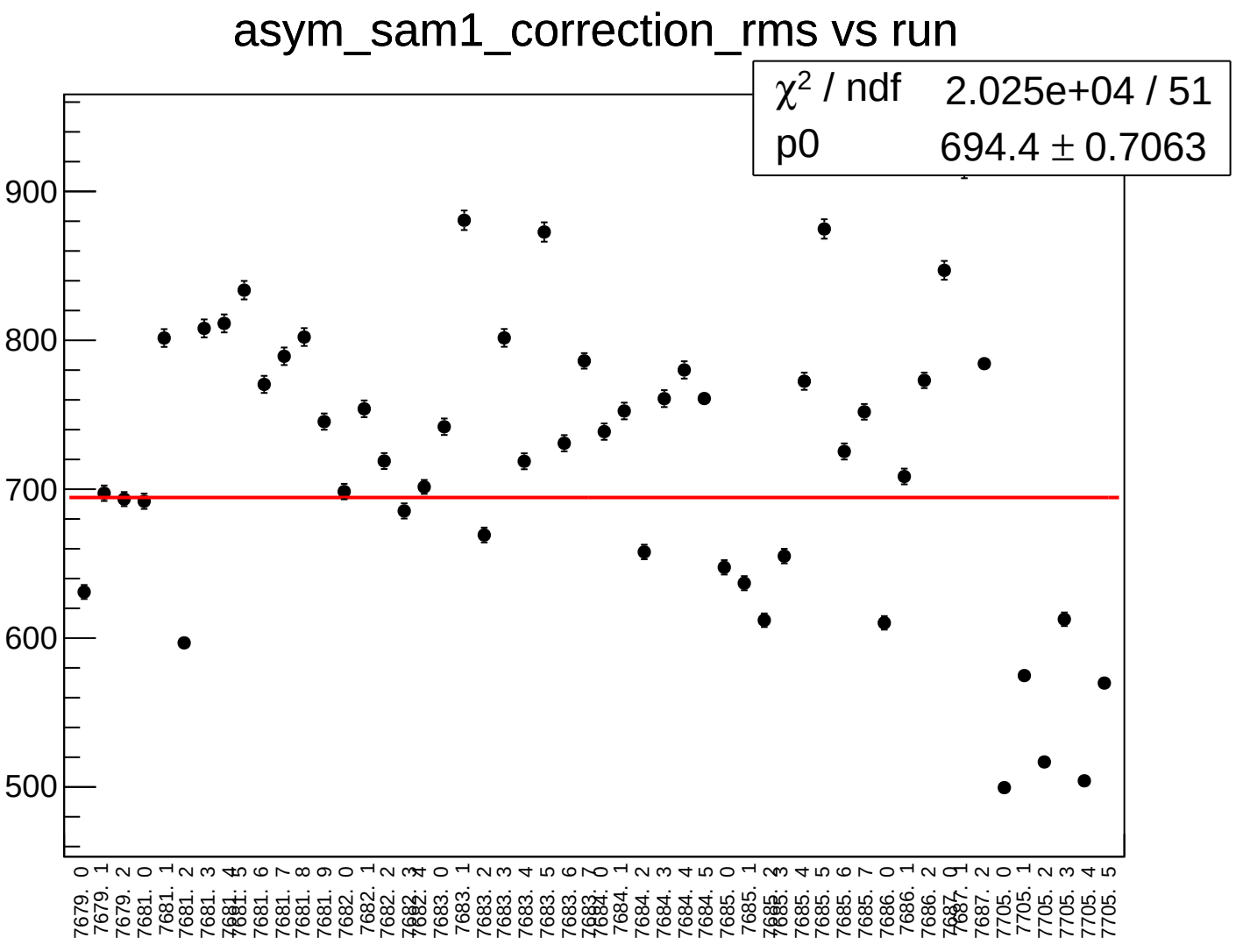

dit_asym_sam1_mean vs run
χ² / ndf 35.69 / 51
p0 −96.99 ± 118.8
pull
Entries 52
Mean −1232
Std Dev 1263

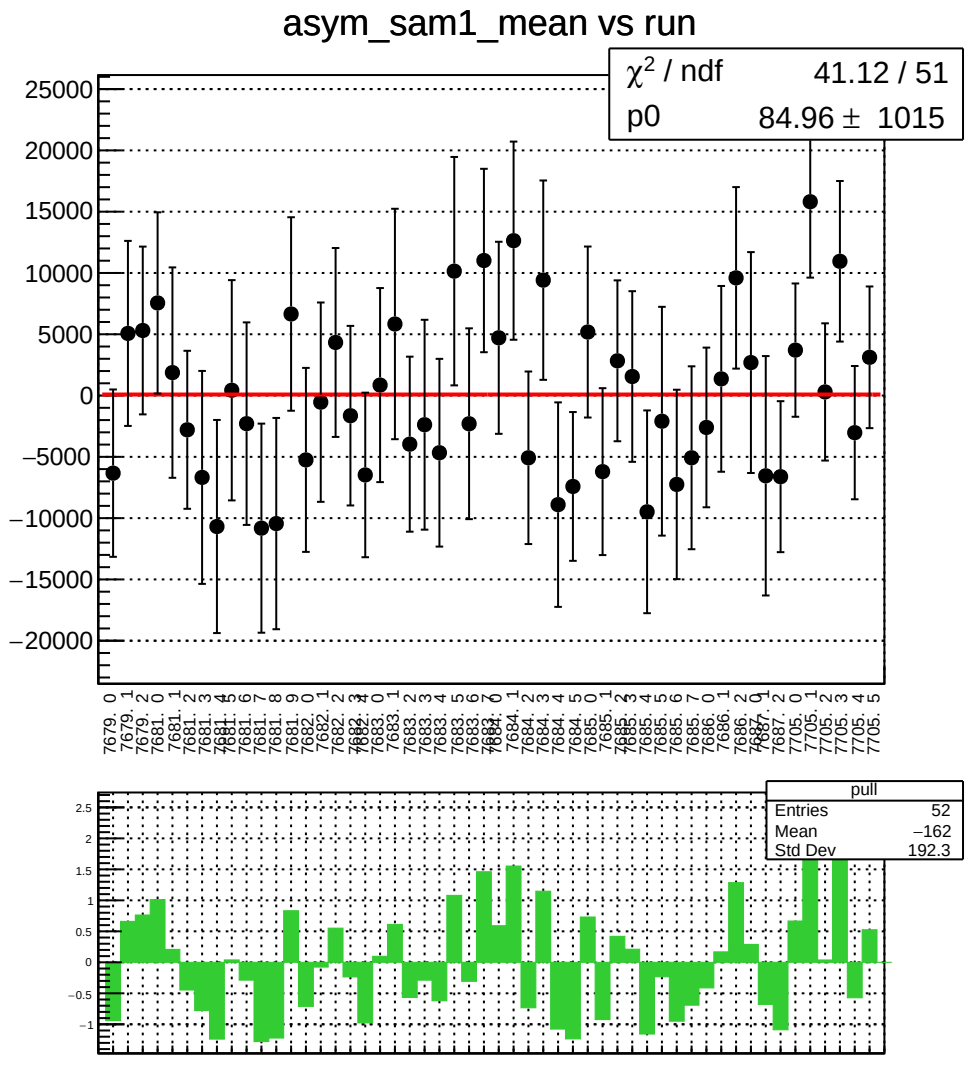

pull1D
Entries 52
Mean −0.002754
Std Dev 0.8284

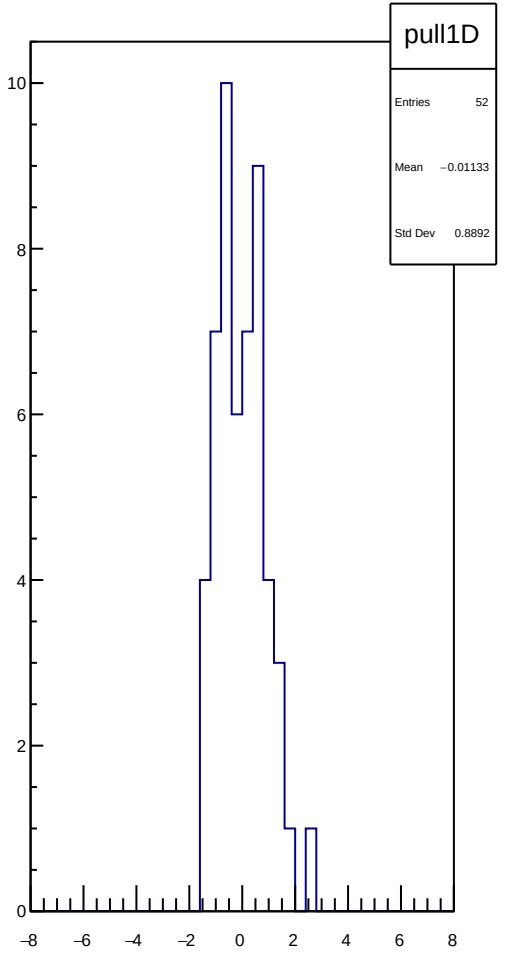

dit_asym_sam1_rms vs run
χ^2 / ndf 892.4 / 51
p0 83.39 ± 0.08398
94
92
90
88
86
84
82
80
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

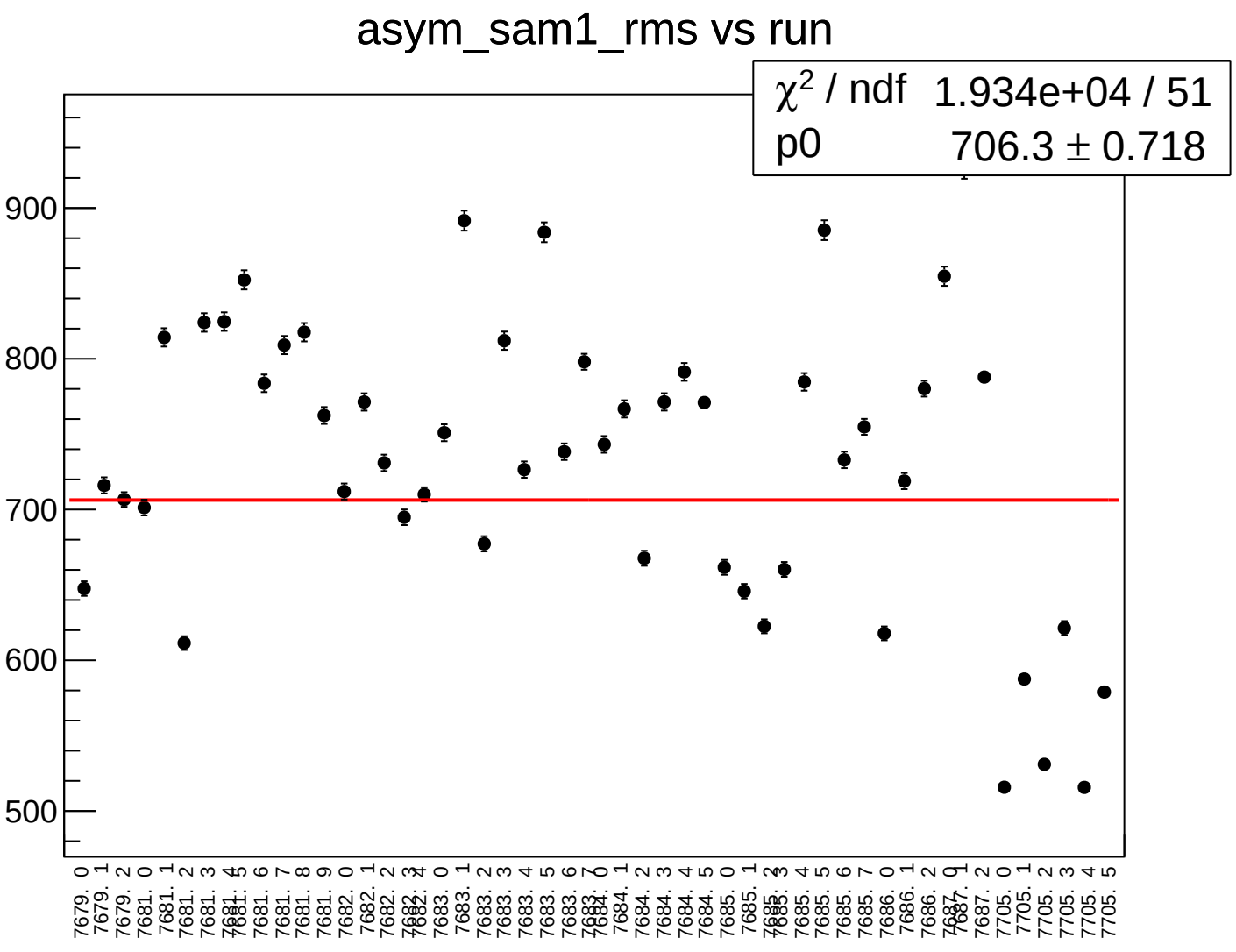

asym_sam1_correction_mean vs run
χ² / ndf 39.88 / 51
p0 −144.5 ± 998.9
pull
Entries 52
Mean −176.8
Std Dev 207

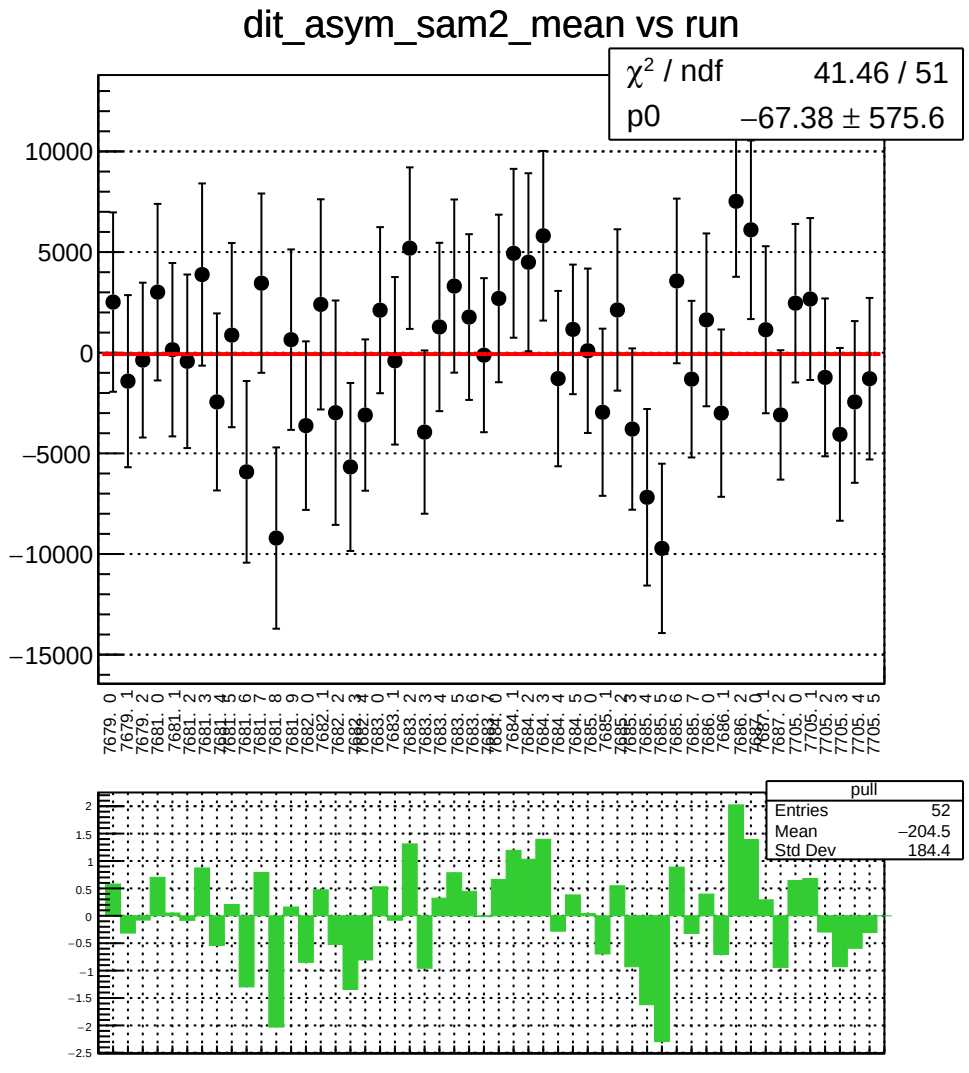

pull1D
Entries 52
Mean 0.008641
Std Dev 0.8757

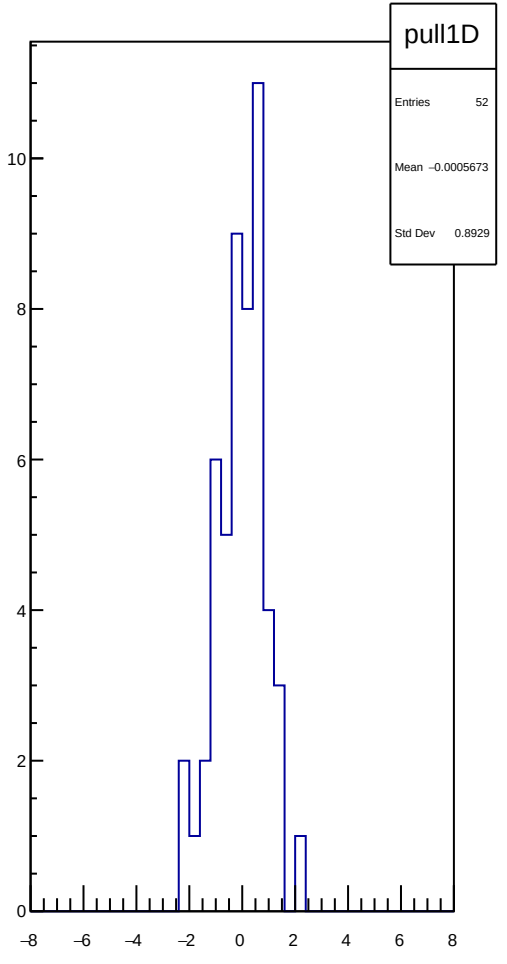

asym_sam1_correction_rms vs run
χ² / ndf 2.025e+04 / 51
p0 694.4 ± 0.7063
900
800
700
600
500

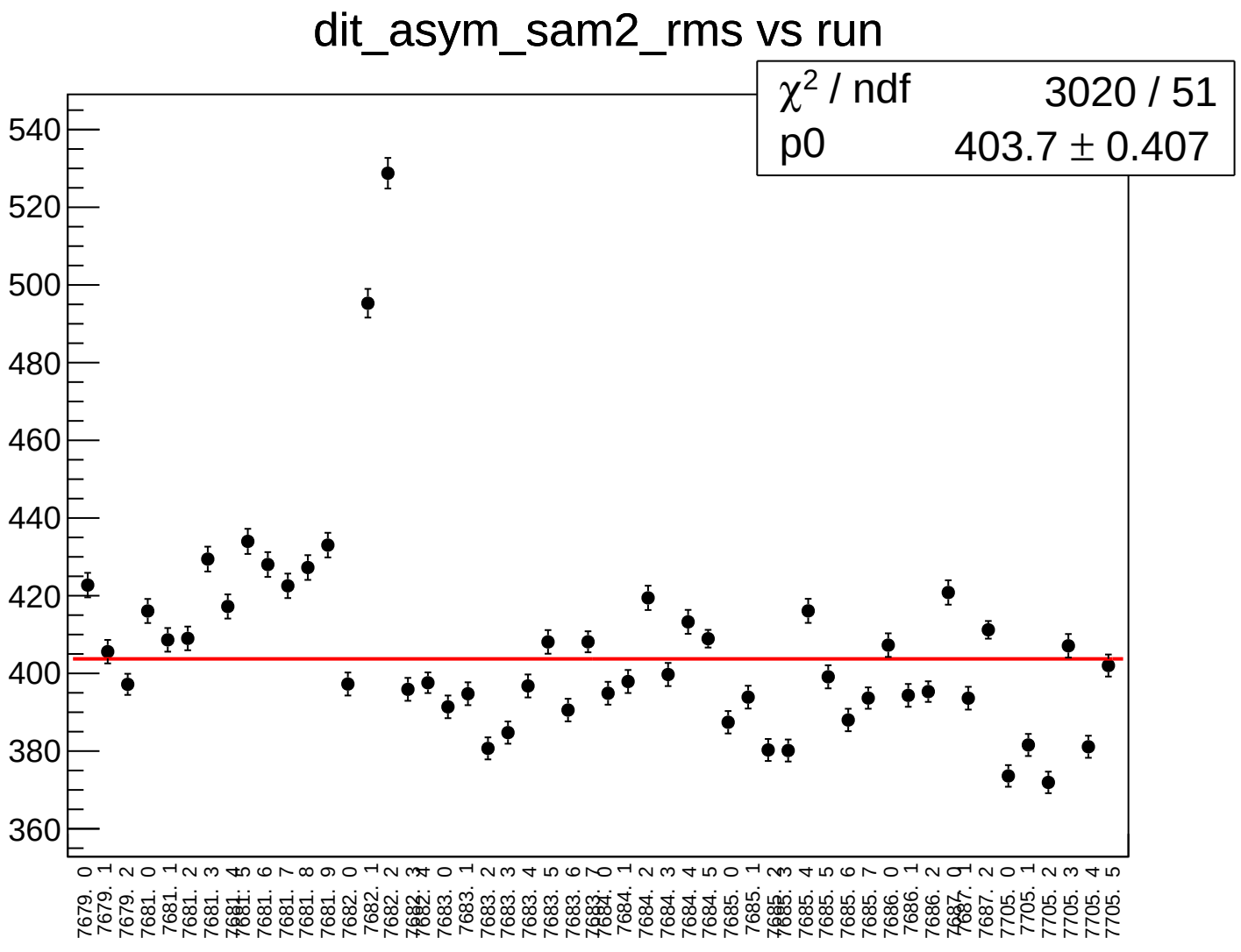

asym_sam1_mean vs run
χ² / ndf 41.12 / 51
p0 84.96 ± 1015
pull
Entries 52
Mean −162
Std Dev 192.3

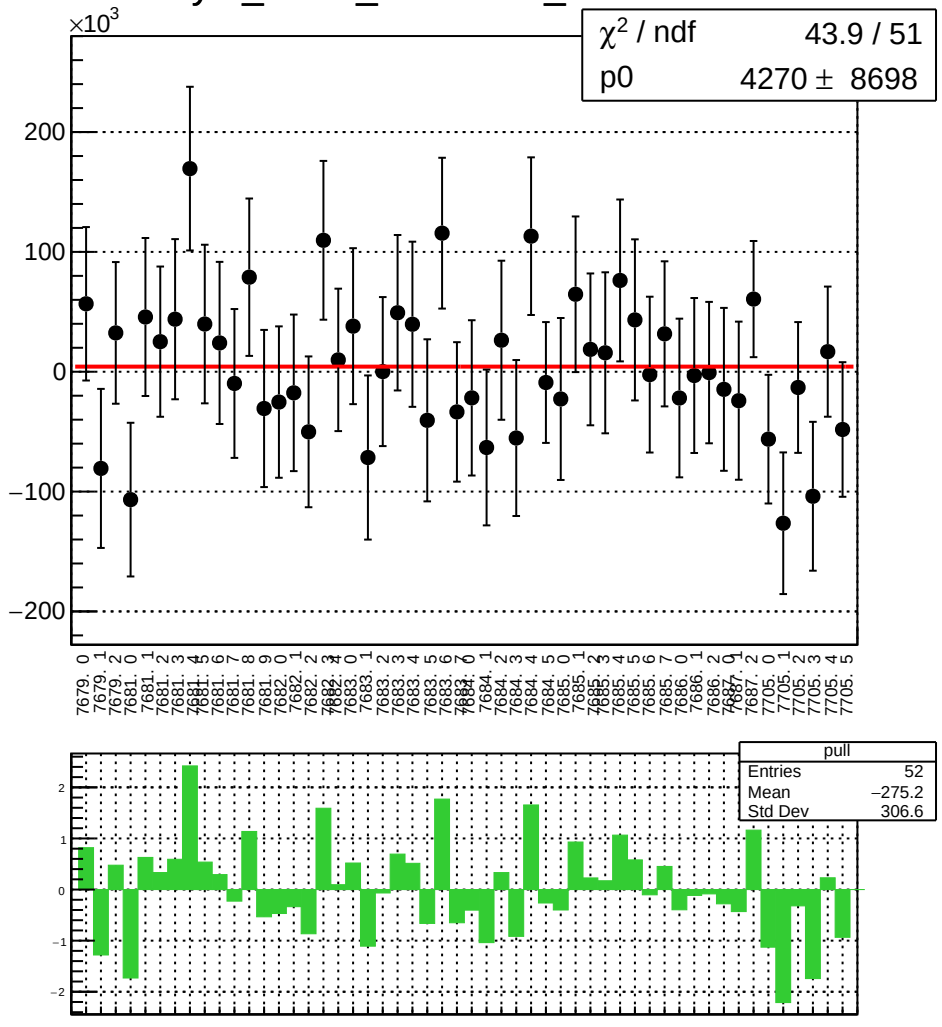

pull1D
Entries 52
Mean −0.01133
Std Dev 0.8892

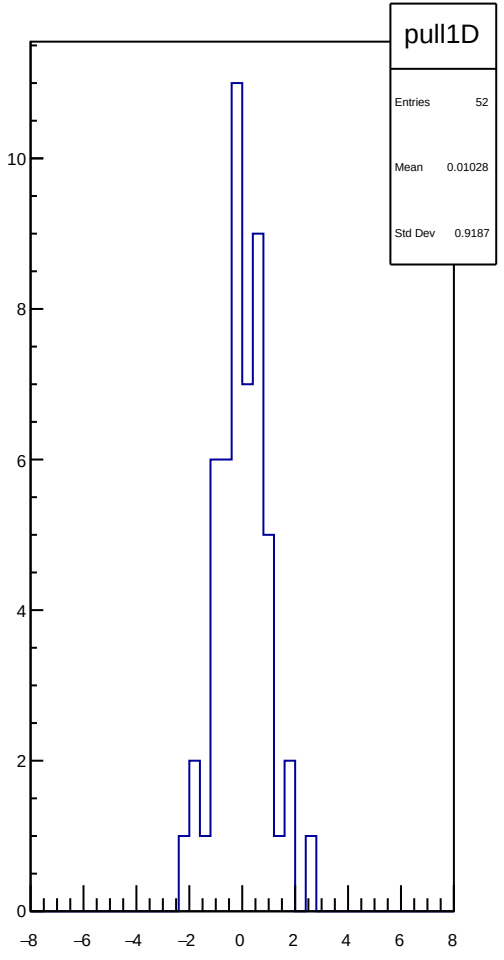

asym_sam1_rms vs run
χ^2 / ndf 1.934e+04 / 51
p0 706.3 ± 0.718
900
800
700
600
500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

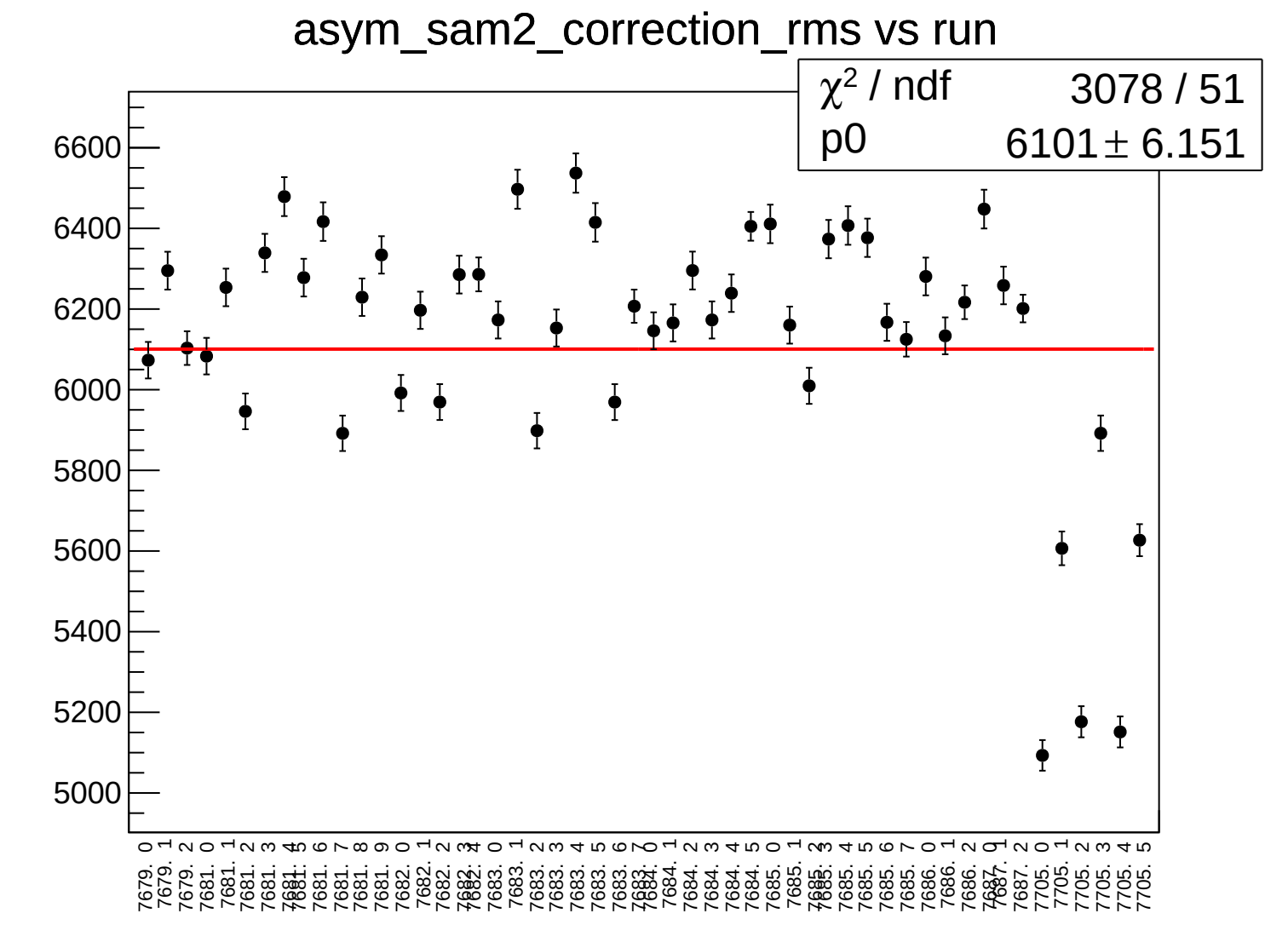

dit_asym_sam2_mean vs run
χ² / ndf 41.46 / 51
p0 −67.38 ± 575.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean −204.5
Std Dev 184.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

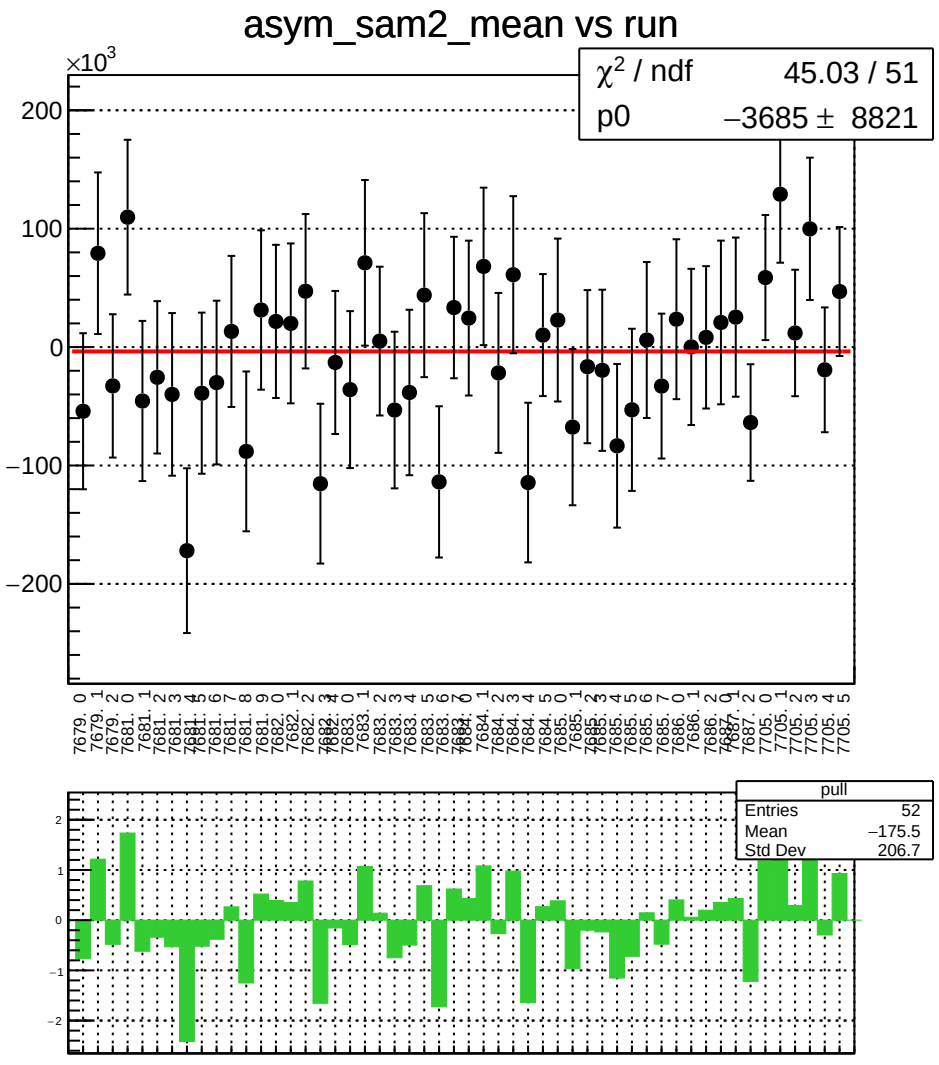

pull1D
Entries 52
Mean −0.0005673
Std Dev 0.8929
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

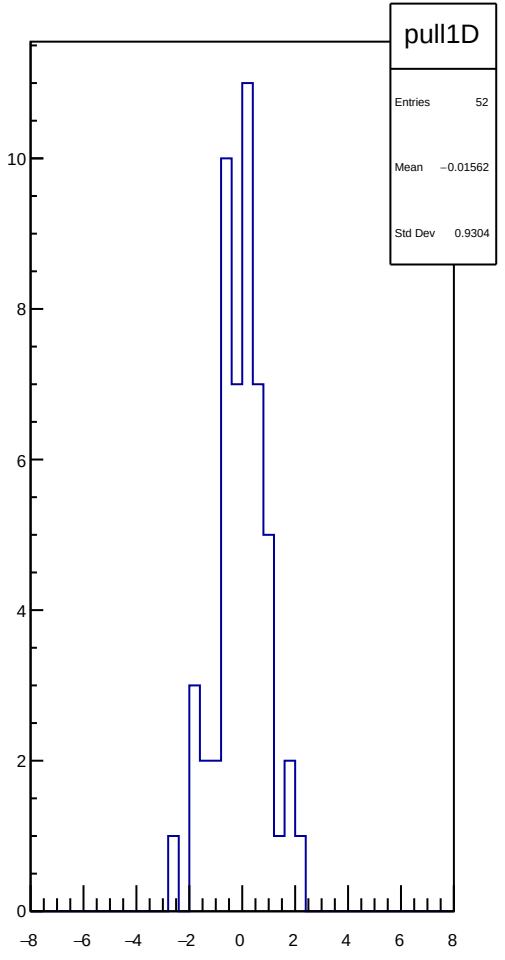

dit_asym_sam2_rms vs run
χ² / ndf 3020 / 51
p0 403.7 ± 0.407
540
520
500
480
460
440
420
400
380
360
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

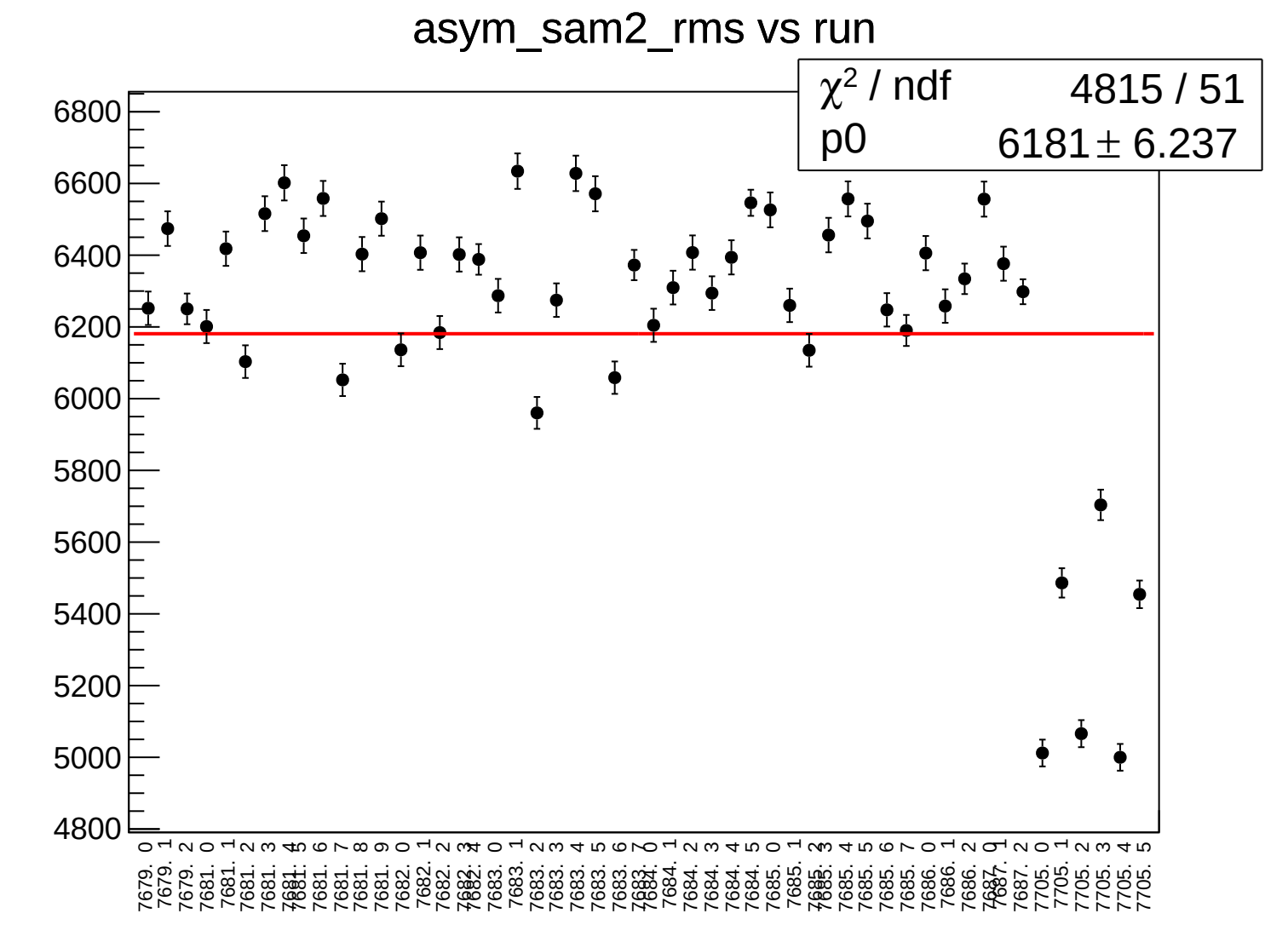

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 43.9 / 51
p0 4270 ± 8698
200
100
0
−100
−200
pull
Entries 52
Mean −275.2
Std Dev 306.6
2
1
0
−1
−2

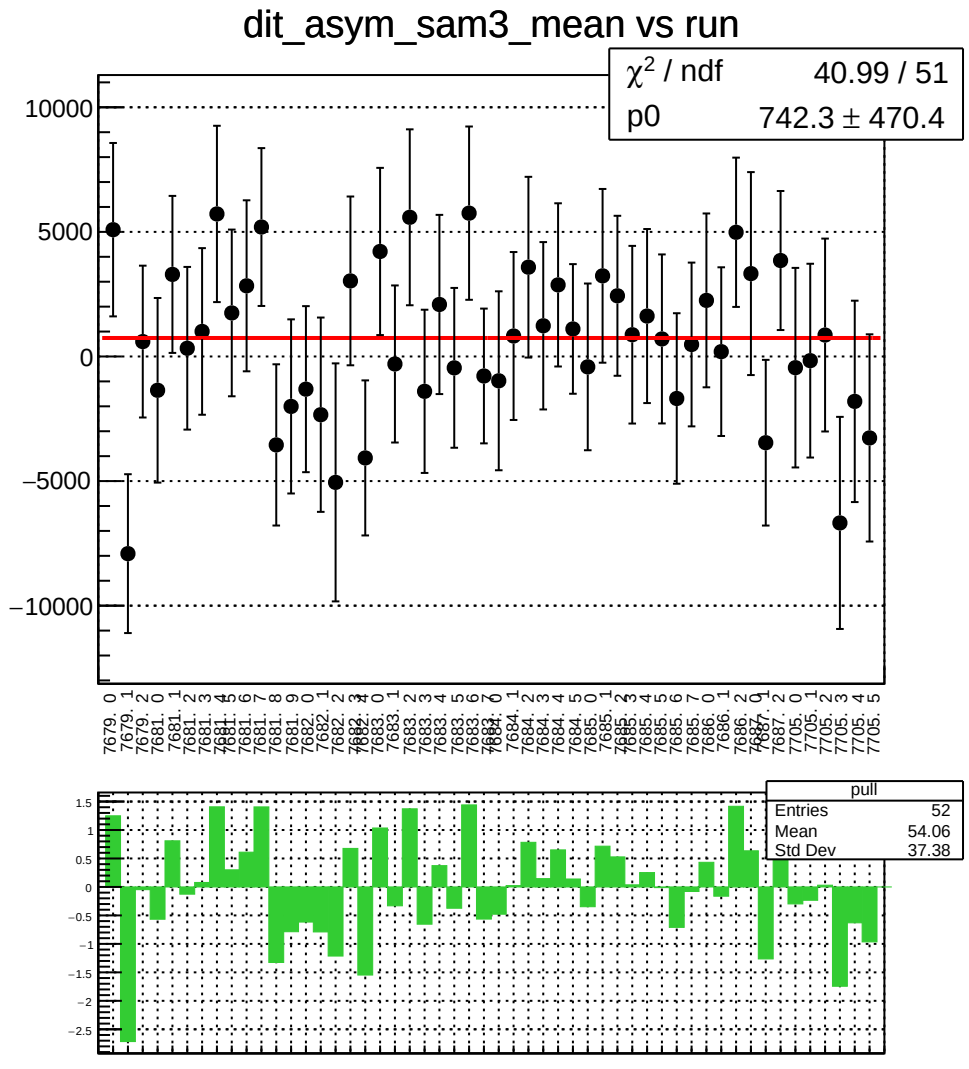

pull1D
Entries 52
Mean 0.01028
Std Dev 0.9187
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

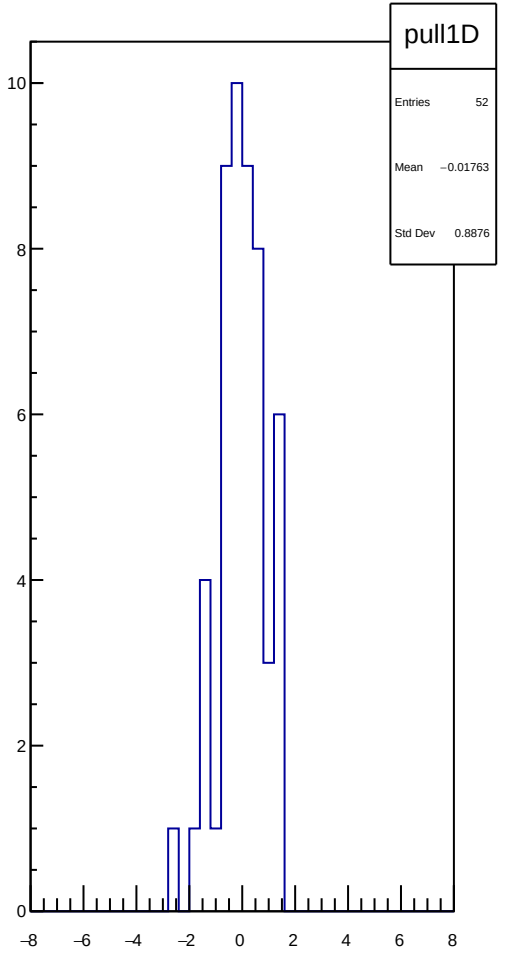

asym_sam2_correction_rms vs run
χ² / ndf 3078 / 51
p0 6101 ± 6.151
6600
6400
6200
6000
5800
5600
5400
5200
5000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

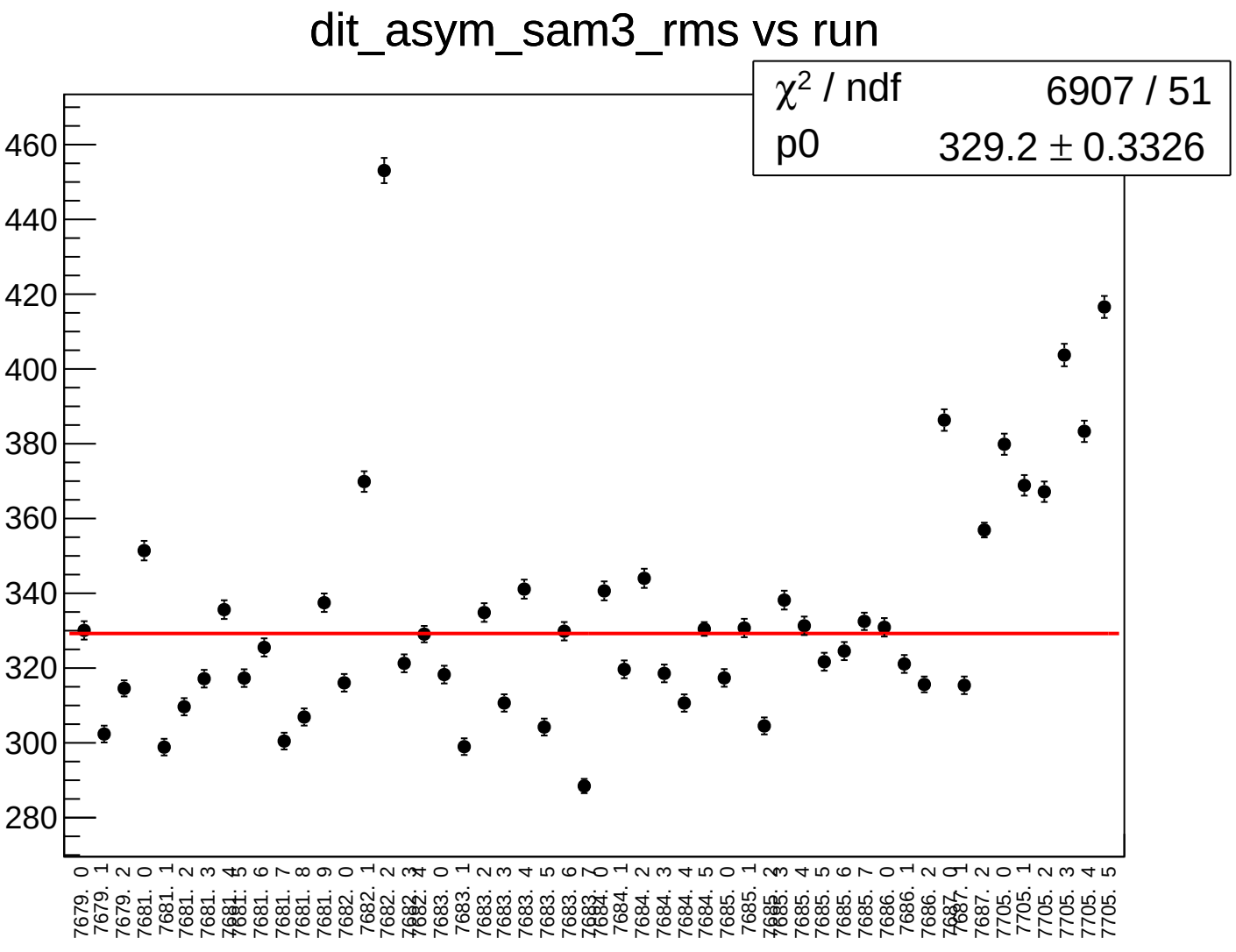

asym_sam2_mean vs run
×10^3
χ² / ndf 45.03 / 51
p0 −3685 ± 8821
200
100
0
−100
−200
pull
Entries 52
Mean −175.5
Std Dev 206.7
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01562
Std Dev 0.9304
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

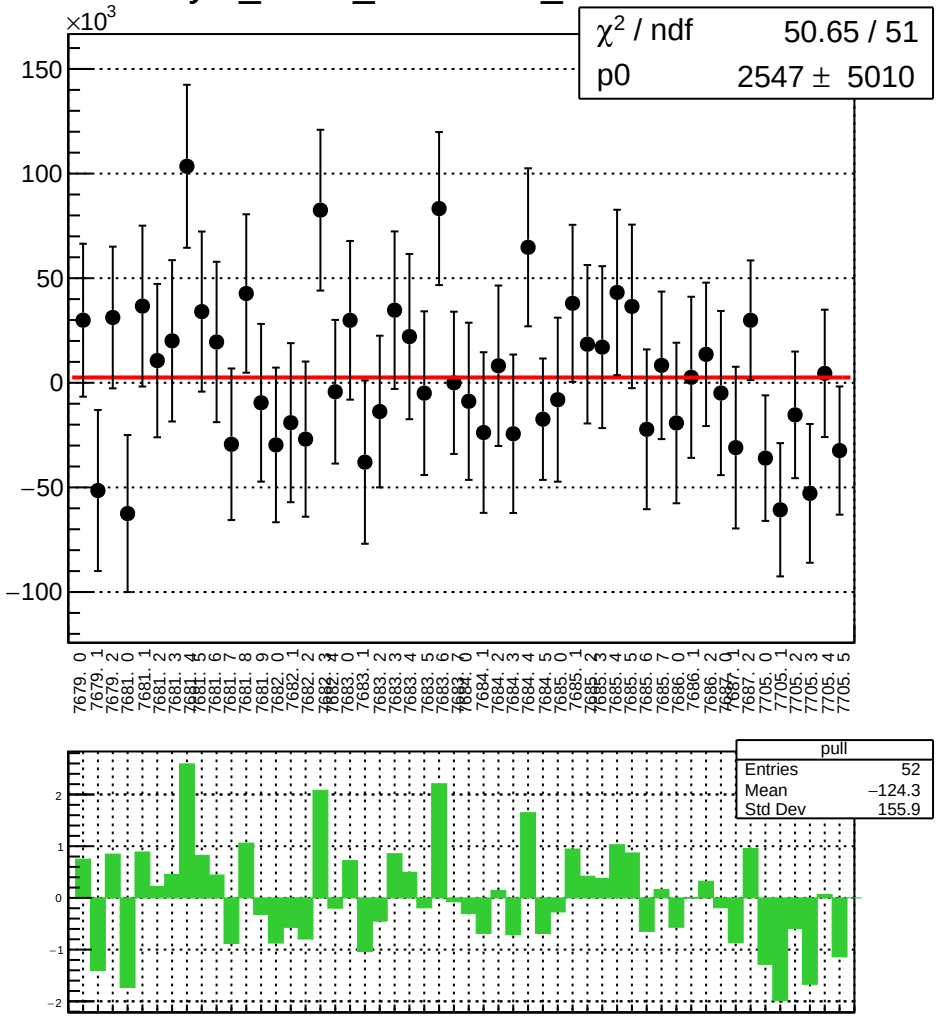

asym_sam2_rms vs run
χ² / ndf 4815 / 51
p0 6181 ± 6.237
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

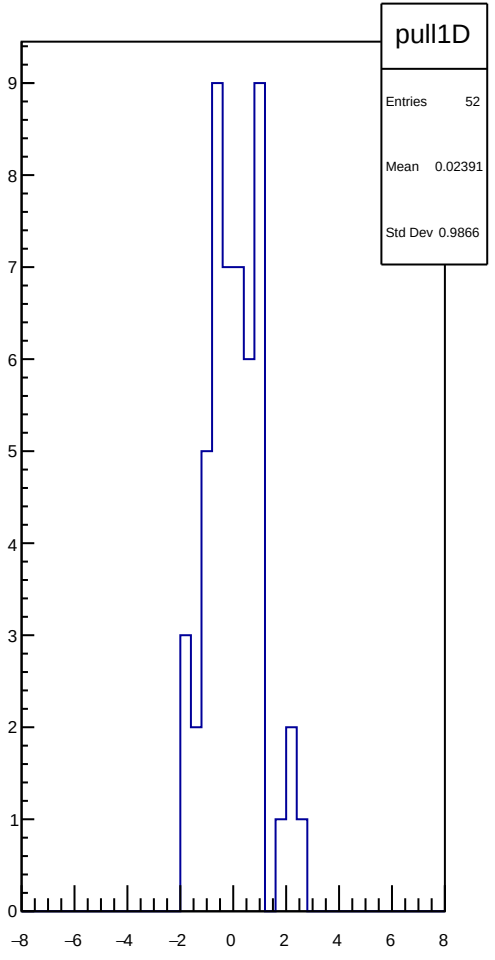

dit_asym_sam3_mean vs run
χ^2 / ndf 40.99 / 51
p0 742.3 ± 470.4
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 54.06
Std Dev 37.38
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

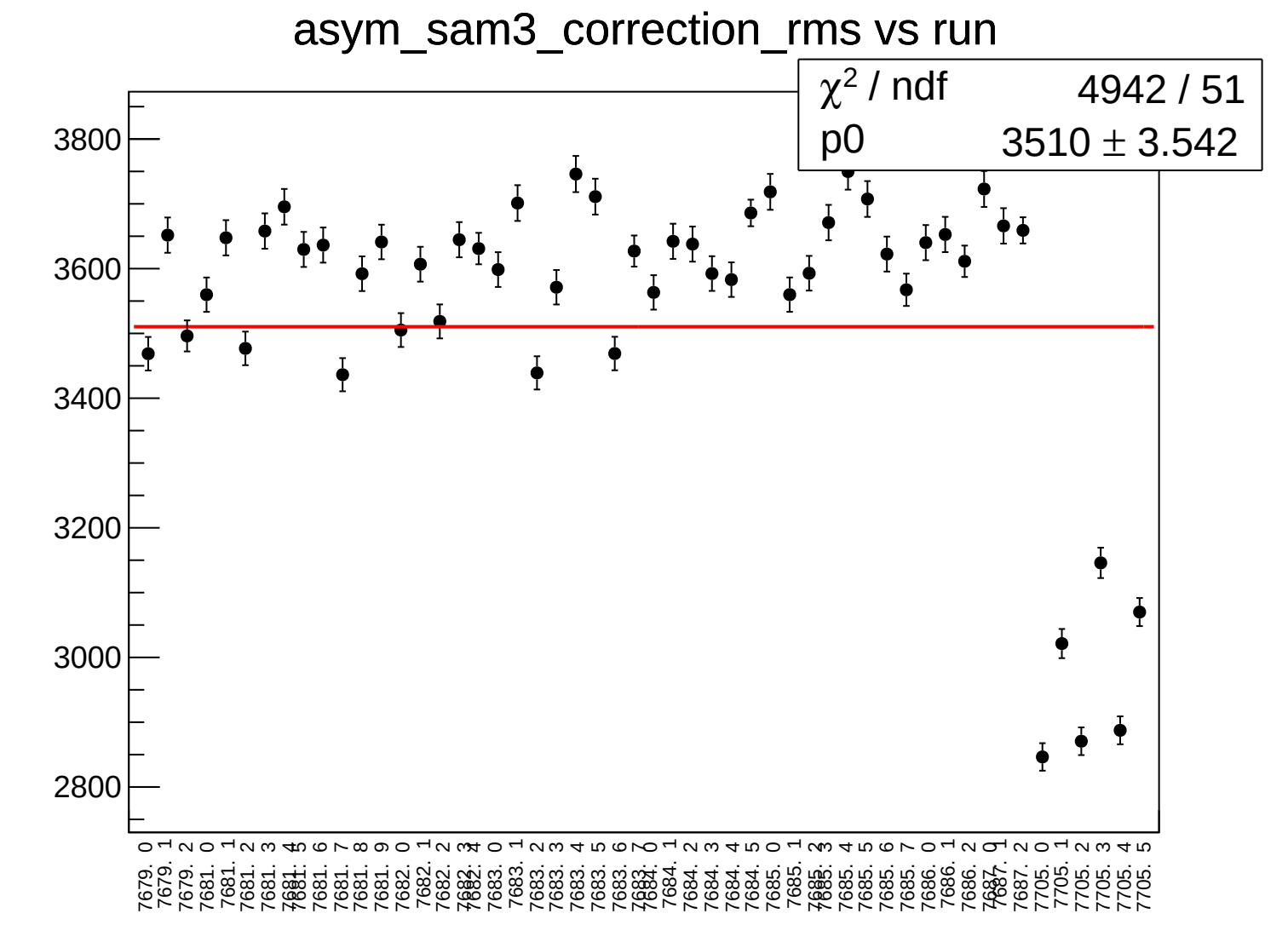

pull1D
Entries 52
Mean −0.01763
Std Dev 0.8876
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

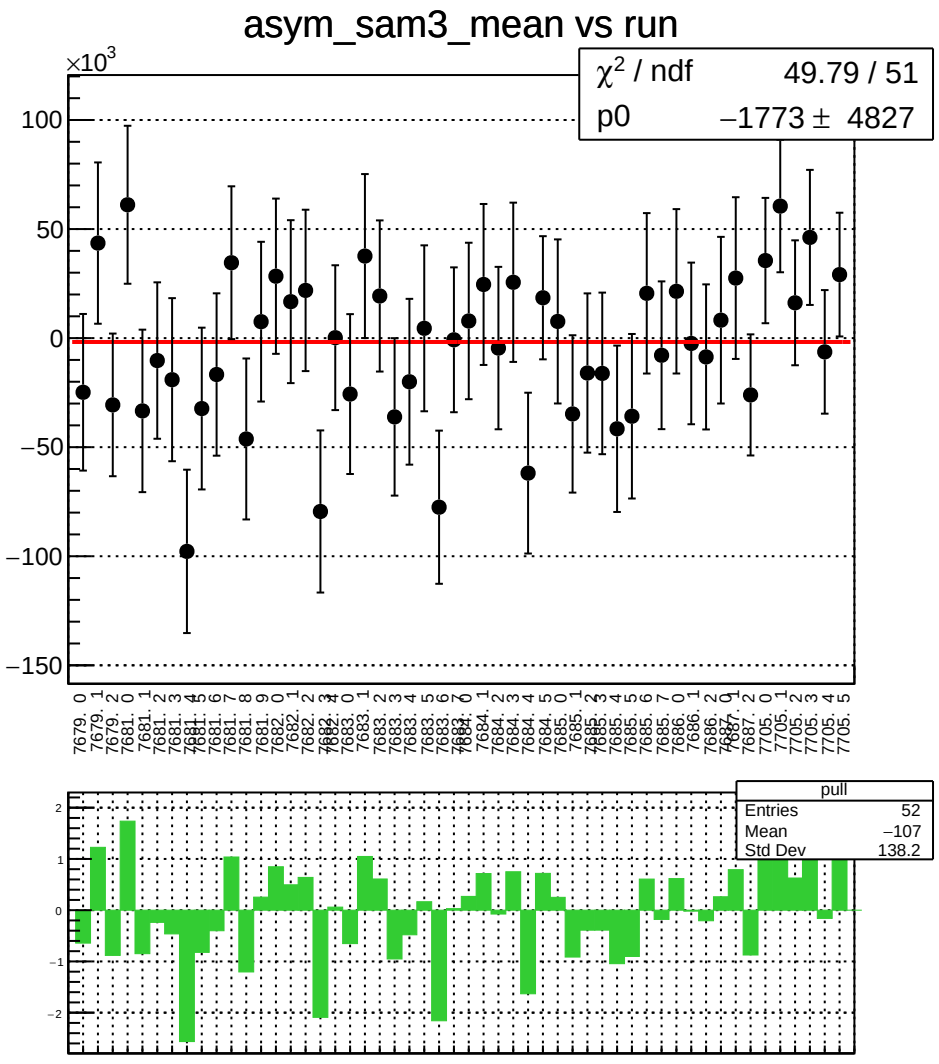

dit_asym_sam3_rms vs run
χ² / ndf 6907 / 51
p0 329.2 ± 0.3326
460
440
420
400
380
360
340
320
300
280
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

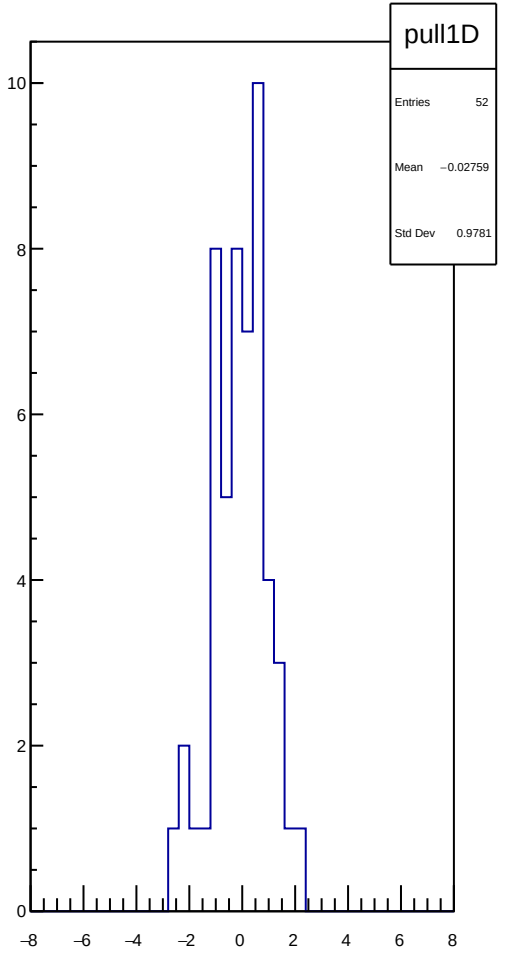
asym_sam3_correction_mean vs run

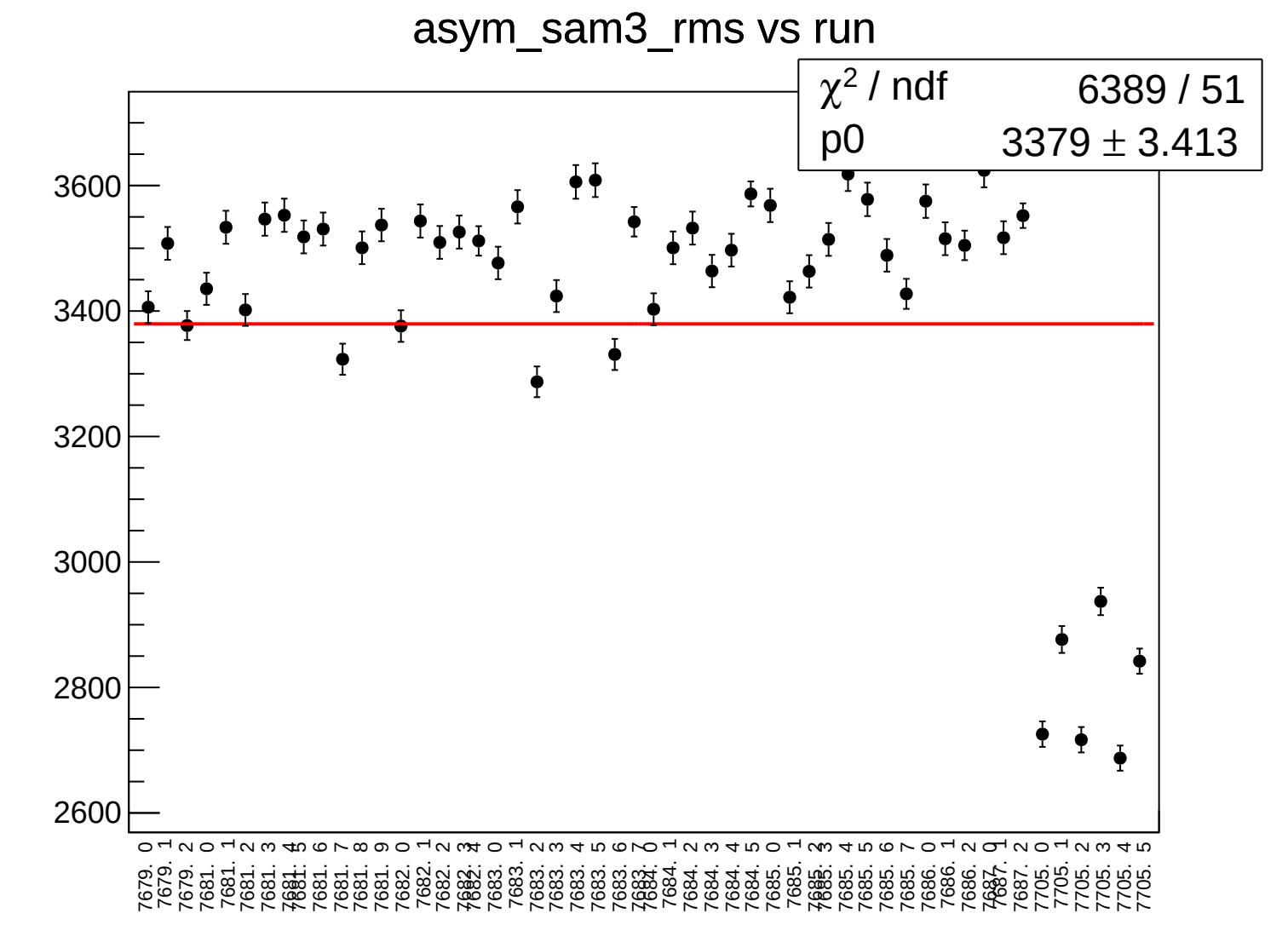


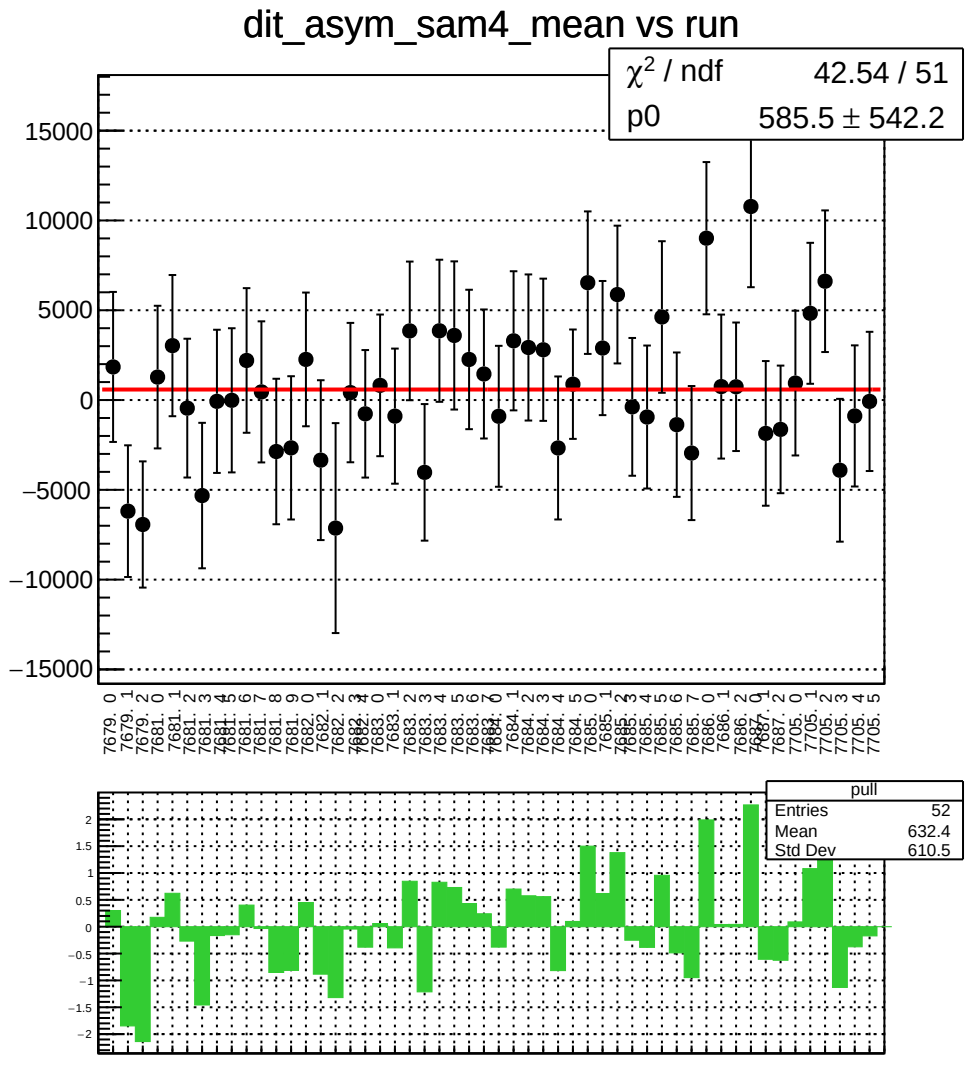


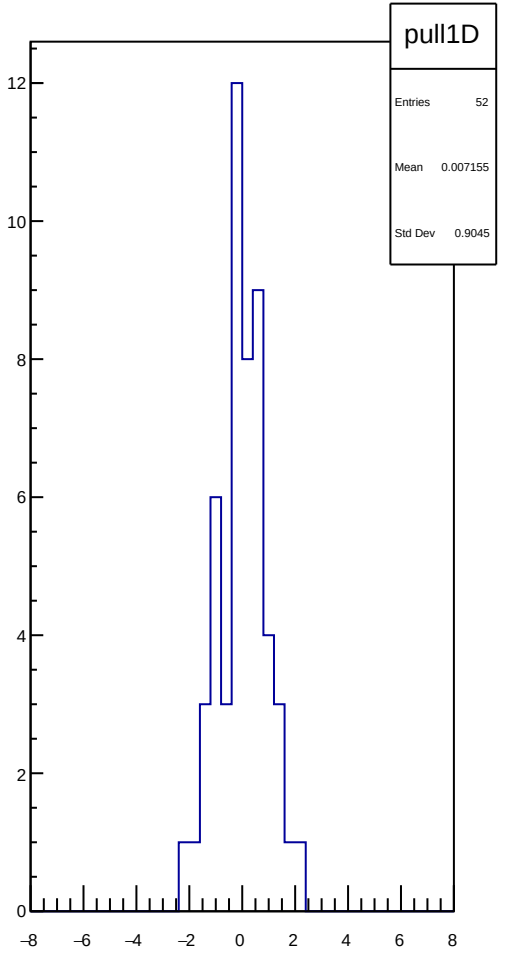

asym_sam3_correction_rms vs run
χ² / ndf 4942 / 51
p0 3510 ± 3.542
3800
3600
3400
3200
3000
2800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

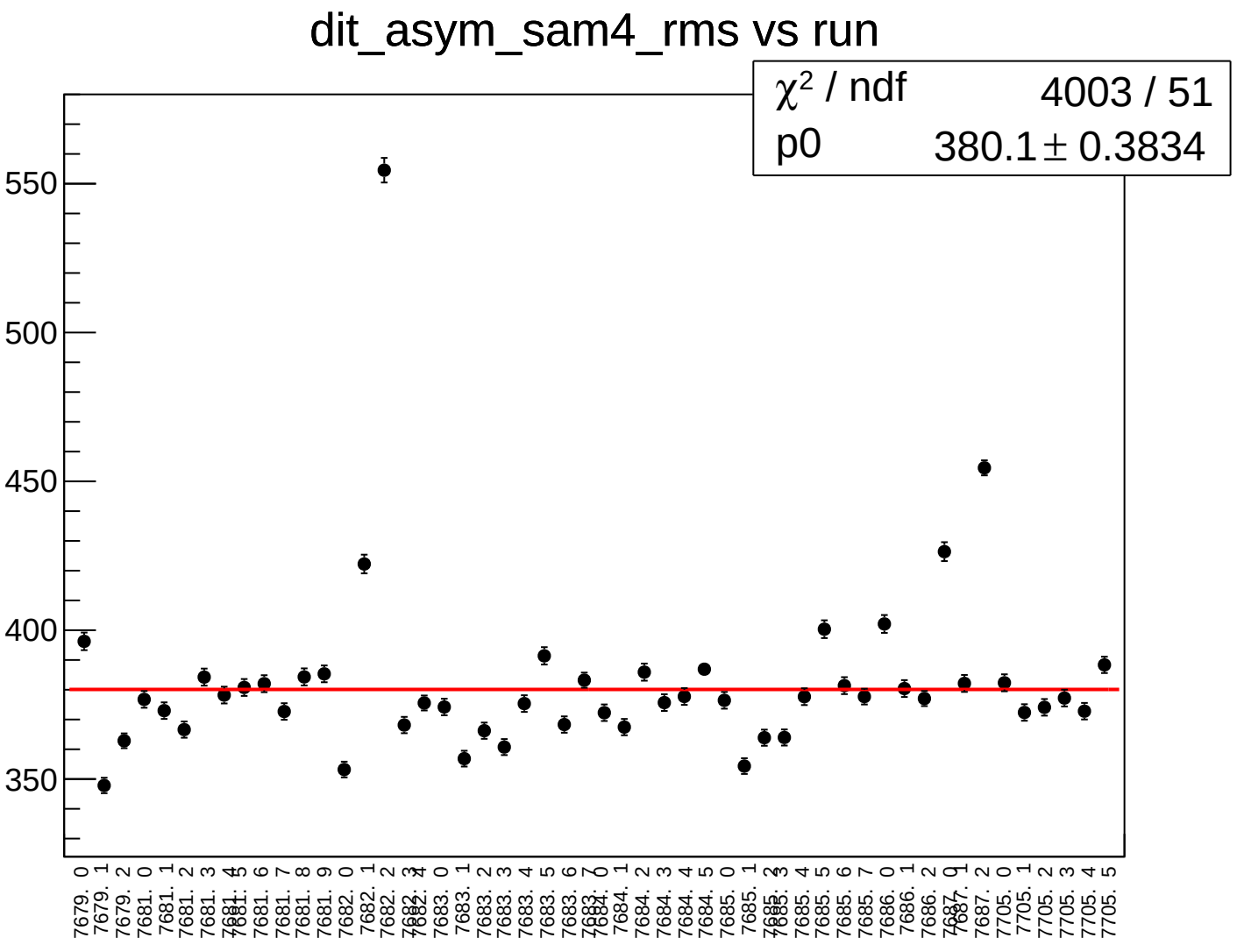

asym_sam3_mean vs run
×10^3
χ² / ndf 49.79 / 51
p0 −1773 ± 4827
100
50
0
−50
−100
−150
pull
Entries 52
Mean −107
Std Dev 138.2
2
1
0
−1

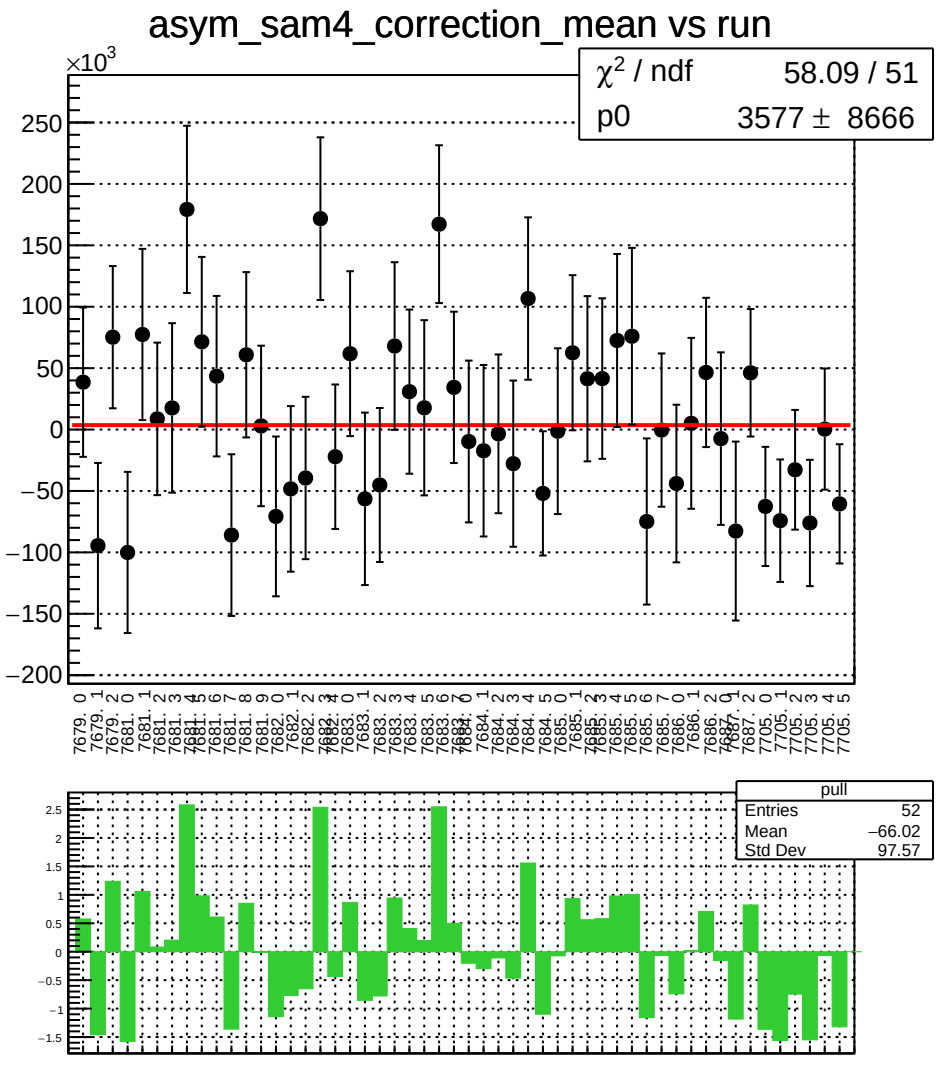

pull1D
Entries 52
Mean −0.02759
Std Dev 0.9781
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

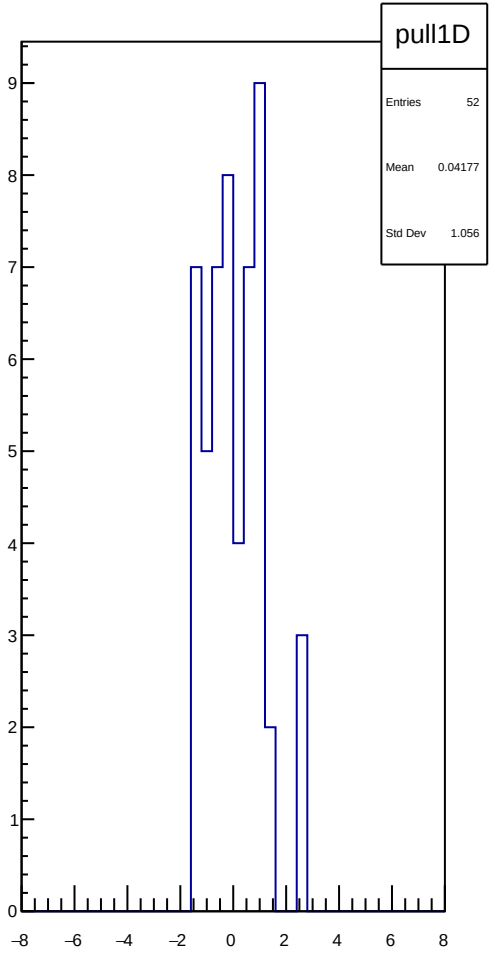

asym_sam3_rms vs run
χ^2 / ndf 6389 / 51
p0 3379 ± 3.413
3600
3400
3200
3000
2800
2600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

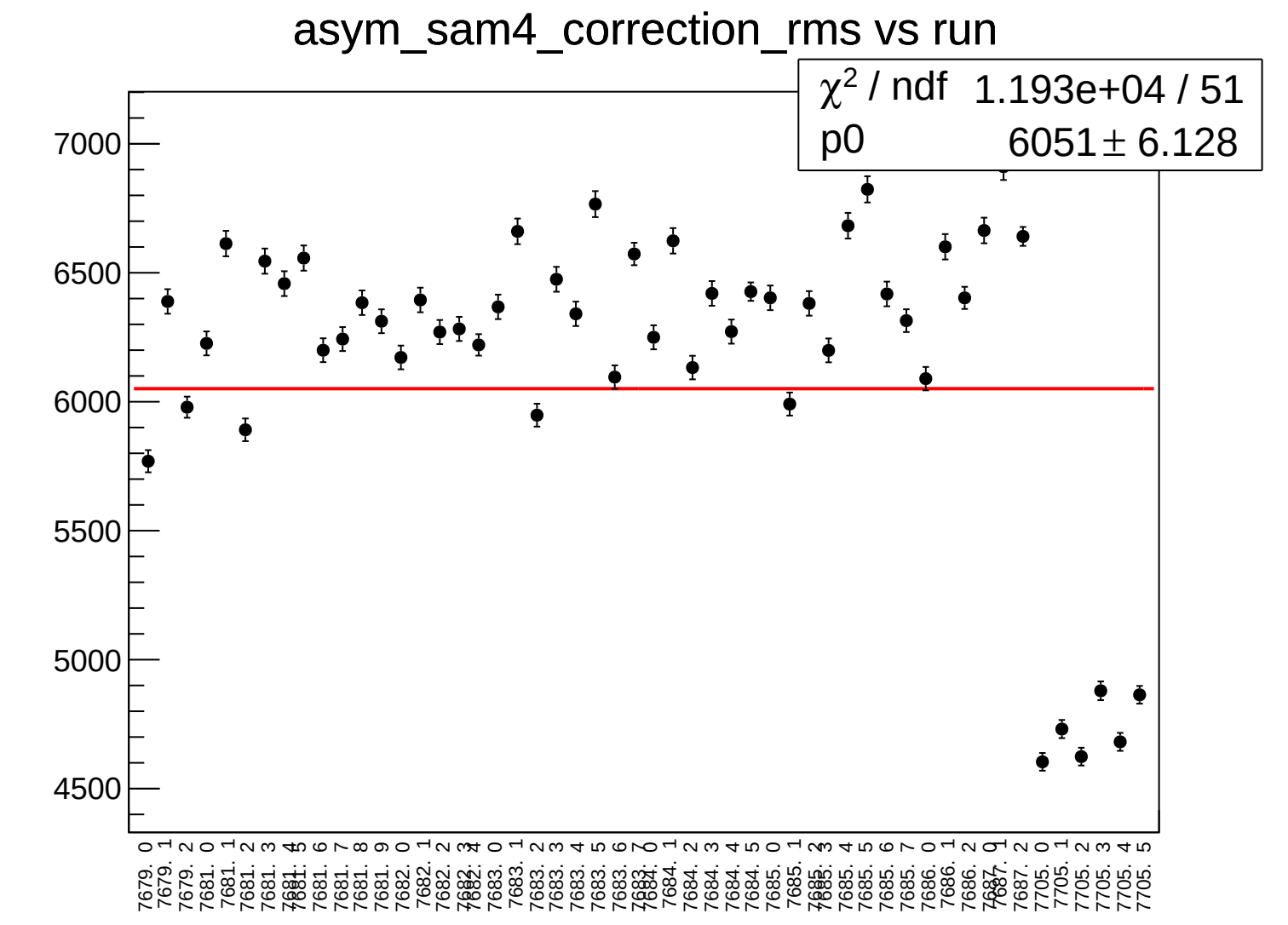

dit_asym_sam4_mean vs run
χ^2 / ndf 42.54 / 51
p0 585.5 ± 542.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 632.4
Std Dev 610.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

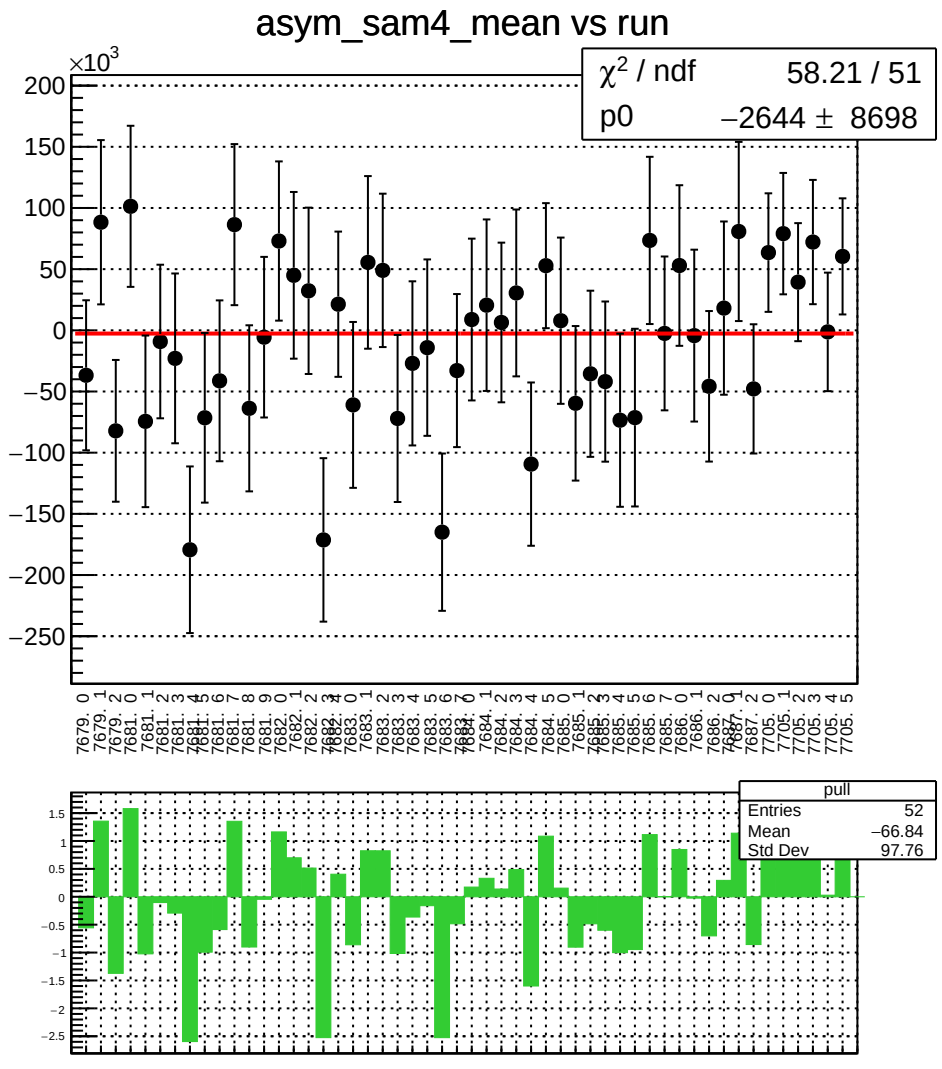

pull1D
Entries 52
Mean 0.007155
Std Dev 0.9045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

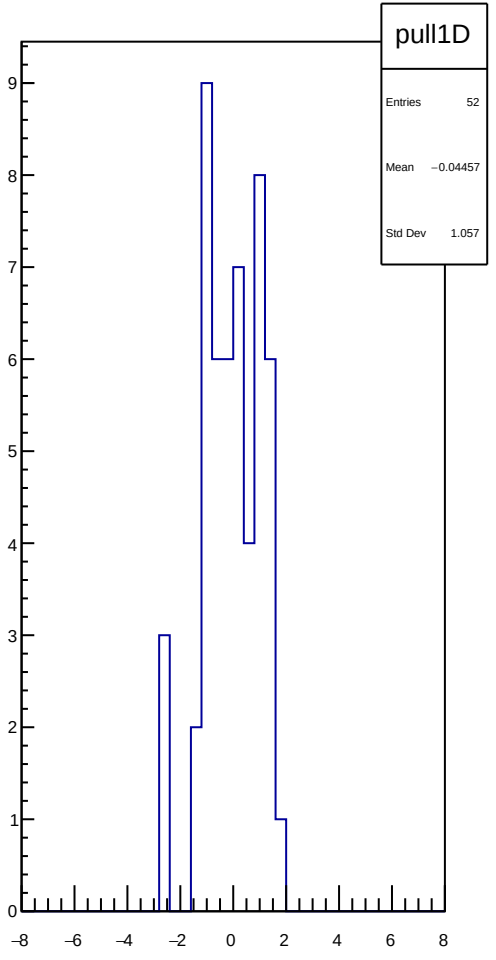

dit_asym_sam4_rms vs run
χ² / ndf 4003 / 51
p0 380.1 ± 0.3834
550
500
450
400
350
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

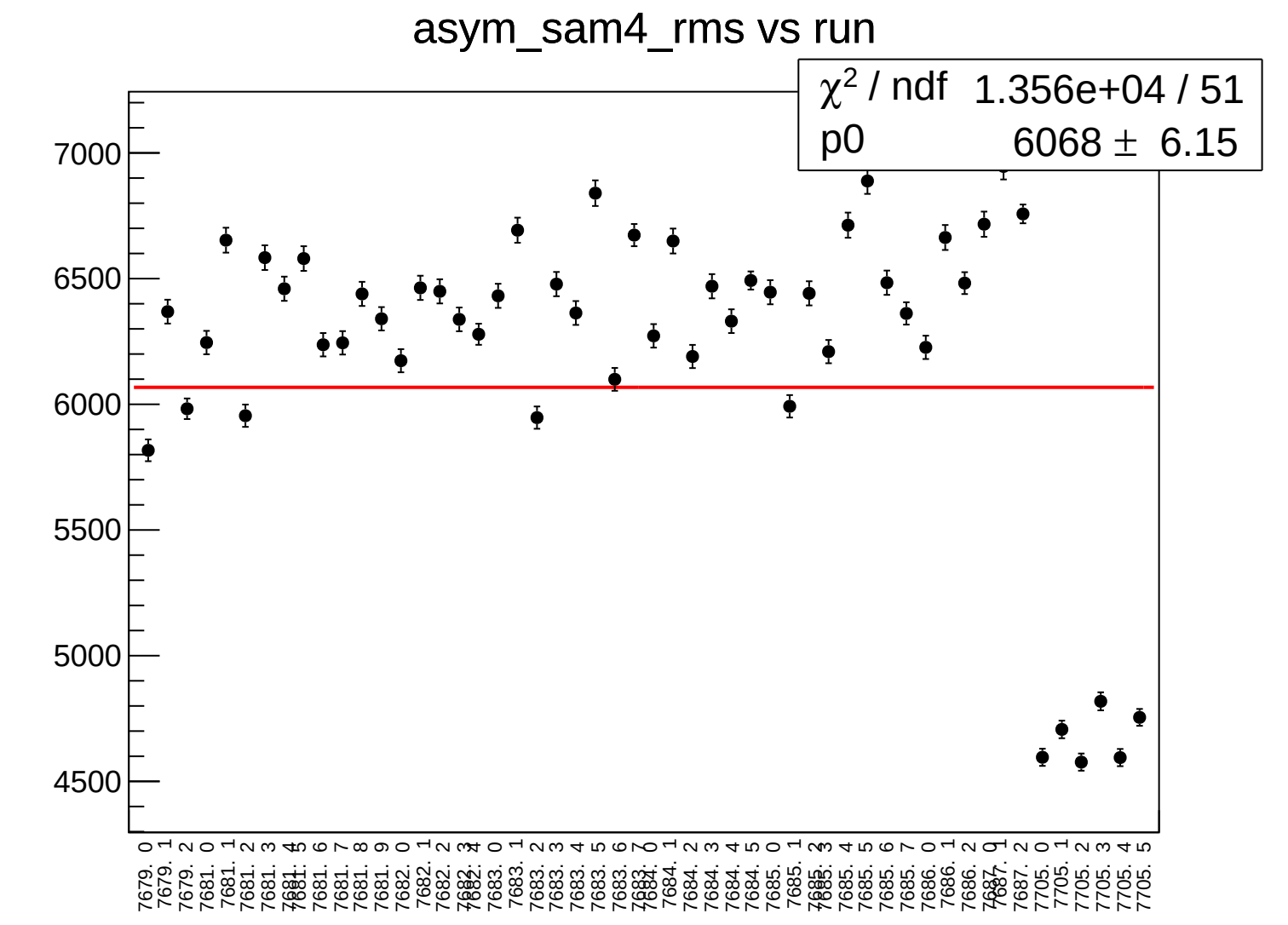

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 58.09 / 51
p0 3577 ± 8666
pull
Entries 52
Mean −66.02
Std Dev 97.57

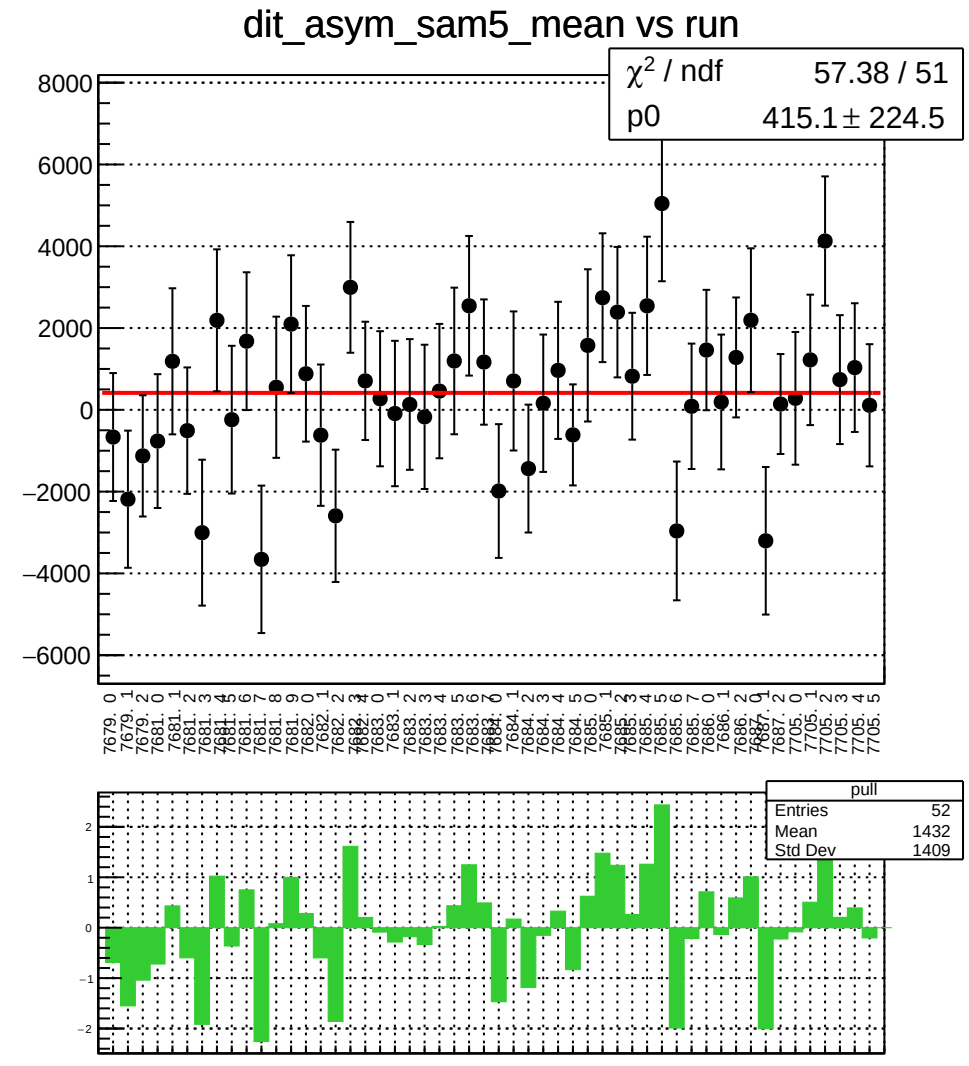

pull1D
Entries 52
Mean 0.04177
Std Dev 1.056

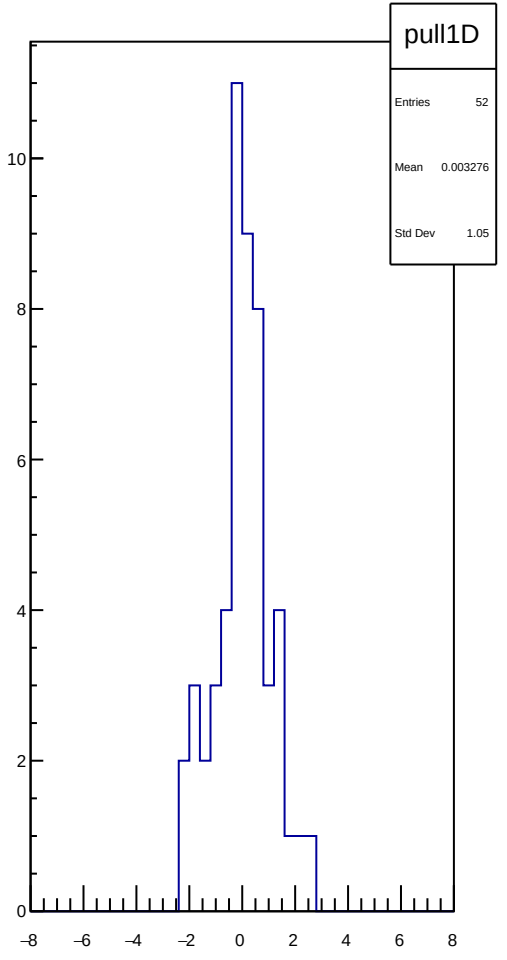

asym_sam4_correction_rms vs run
χ² / ndf 1.193e+04 / 51
p0 6051 ± 6.128
7000
6500
6000
5500
5000
4500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

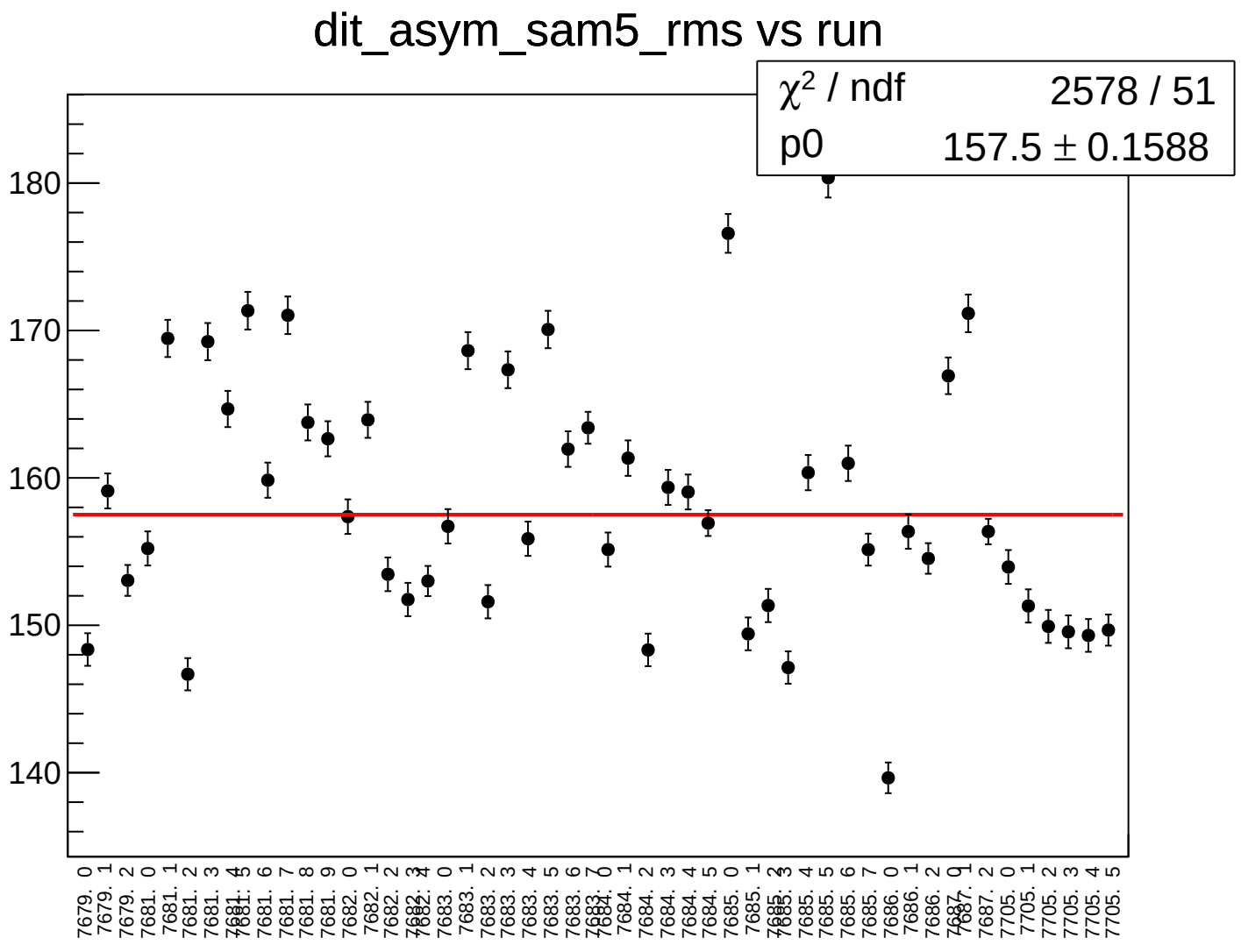

asym_sam4_mean vs run
×10^3
χ² / ndf 58.21 / 51
p0 −2644 ± 8698
pull
Entries 52
Mean −66.84
Std Dev 97.76

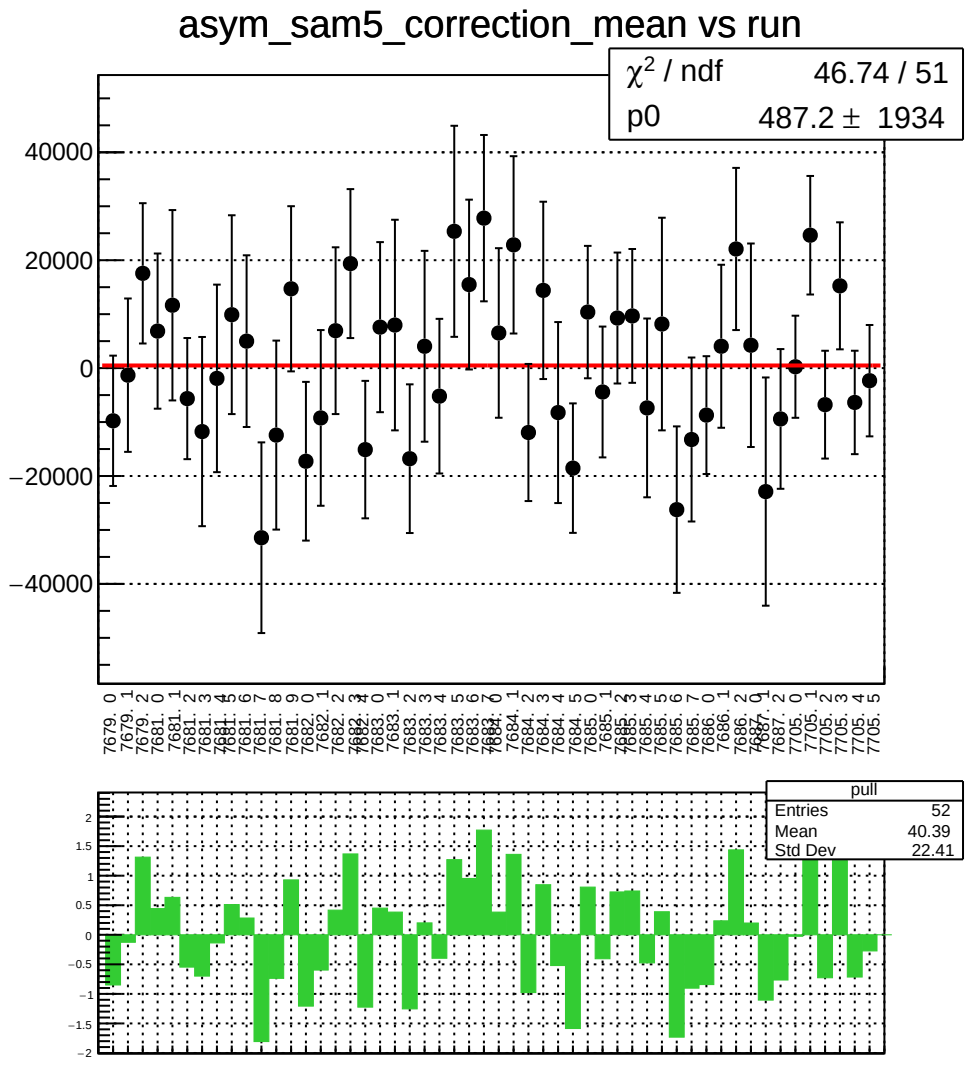

pull1D
Entries 52
Mean −0.04457
Std Dev 1.057

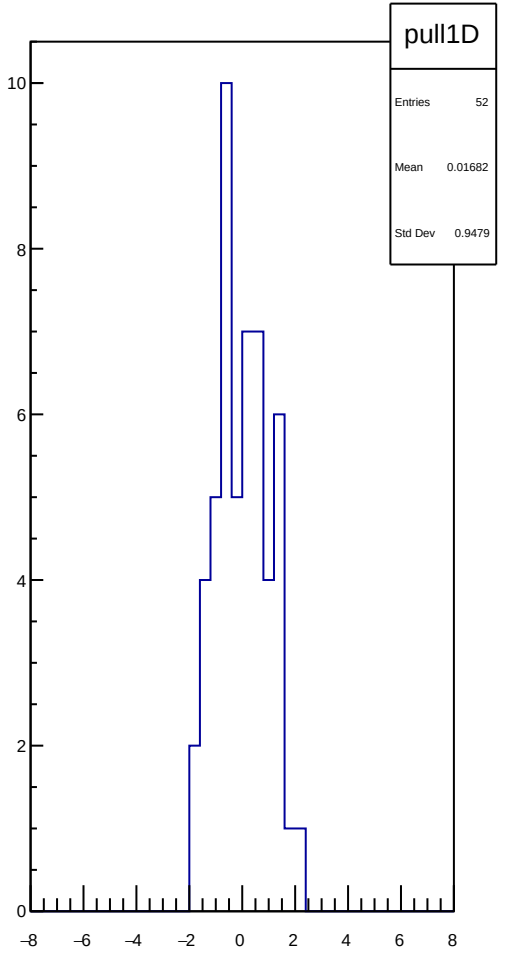

asym_sam4_rms vs run
χ² / ndf 1.356e+04 / 51
p0 6068 ± 6.15
7000
6500
6000
5500
5000
4500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

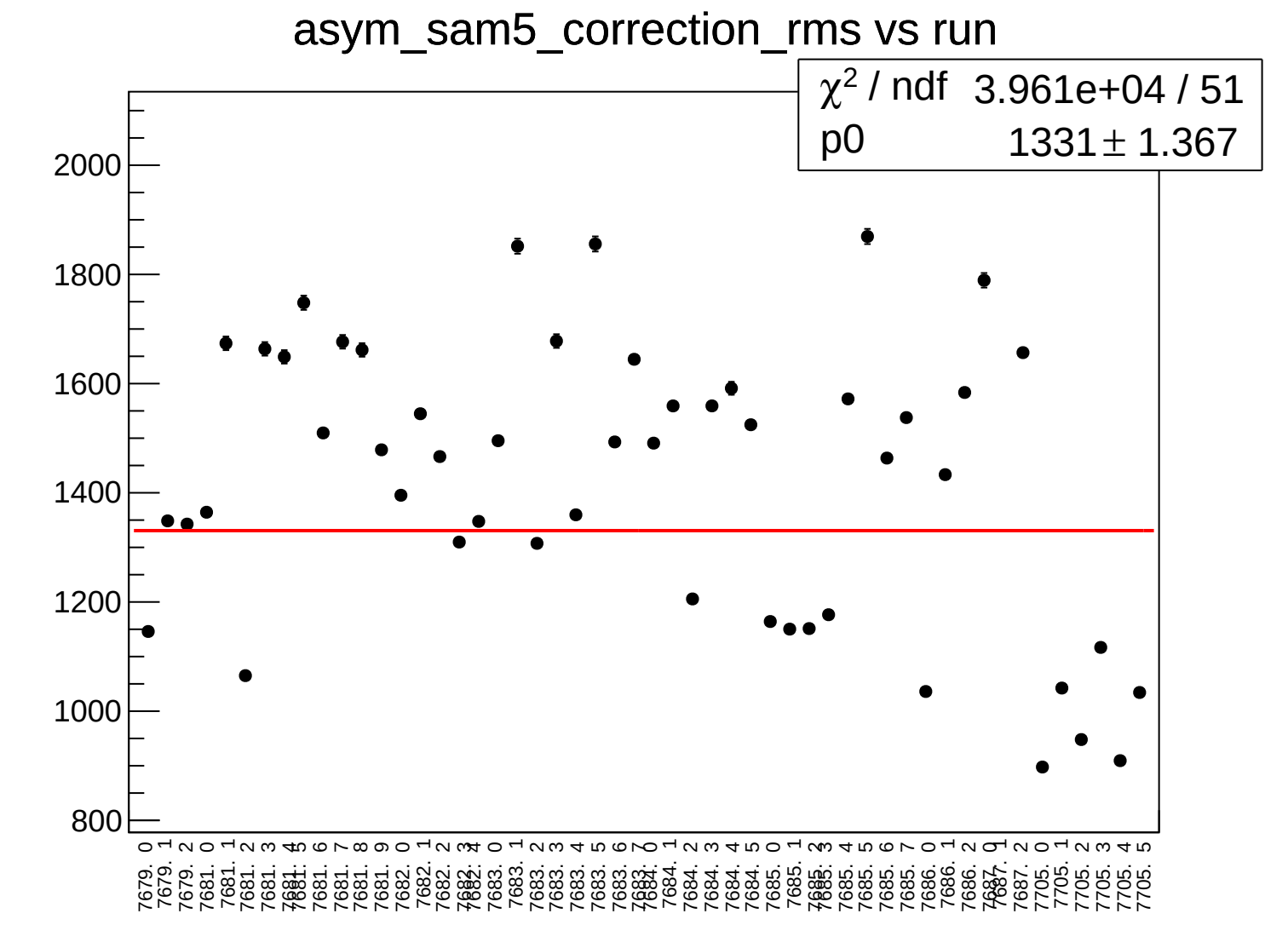

dit_asym_sam5_mean vs run
χ² / ndf 57.38 / 51
p0 415.1 ± 224.5
pull
Entries 52
Mean 1432
Std Dev 1409

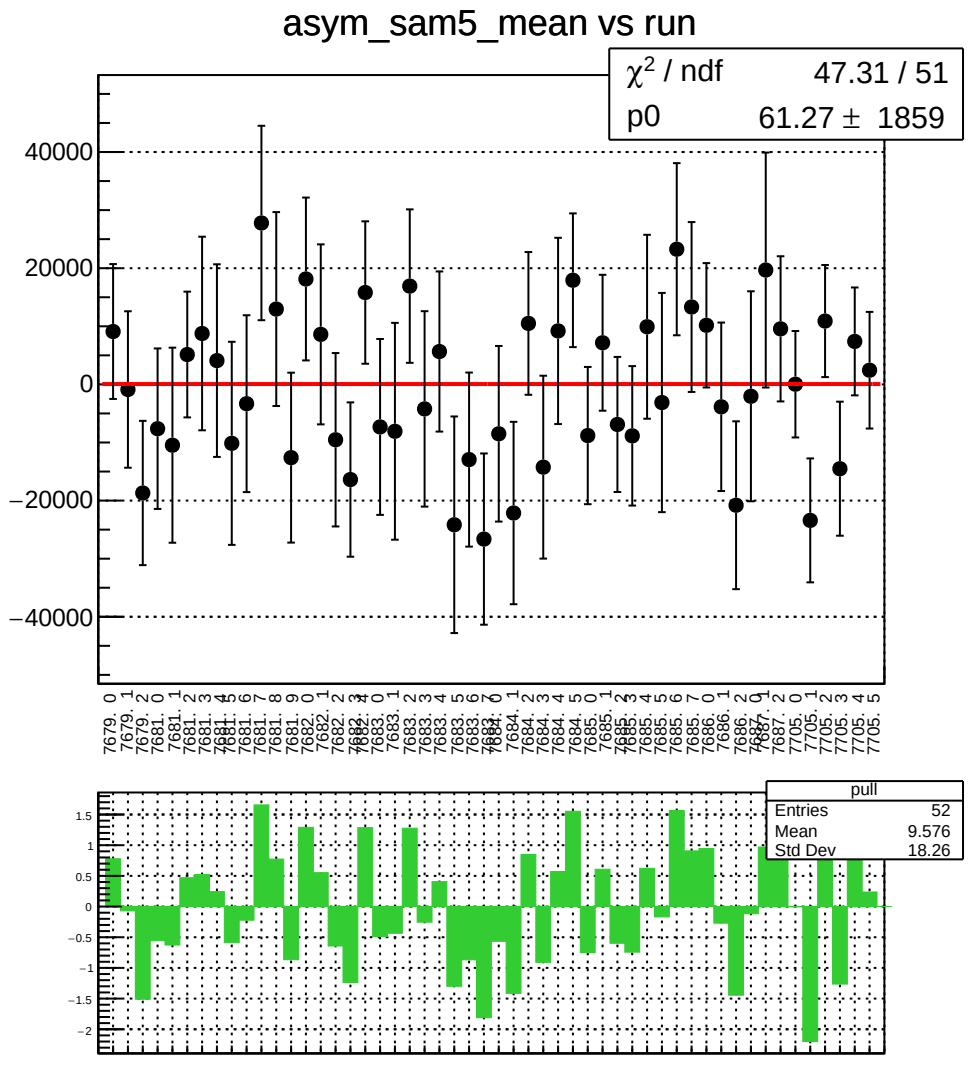

pull1D
Entries 52
Mean 0.003276
Std Dev 1.05

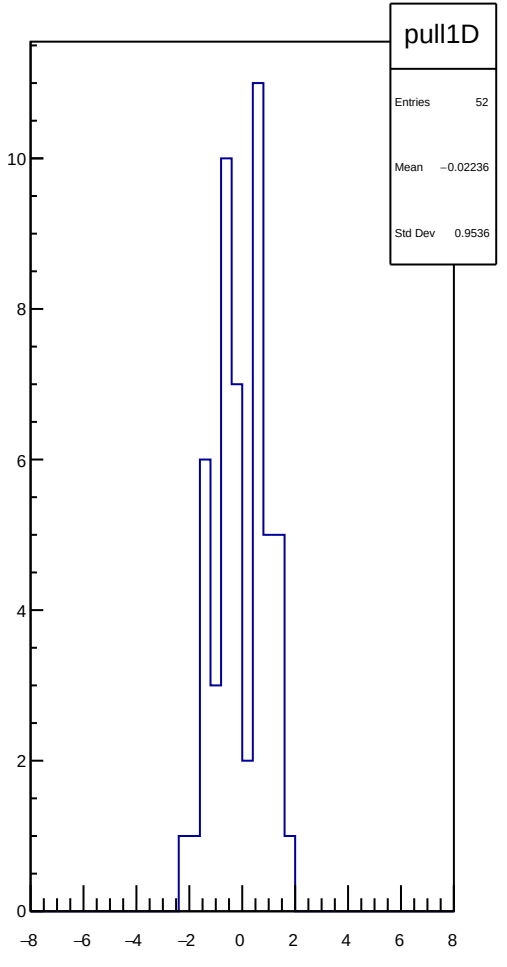

dit_asym_sam5_rms vs run
χ² / ndf 2578 / 51
p0 157.5 ± 0.1588
180
170
160
150
140
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

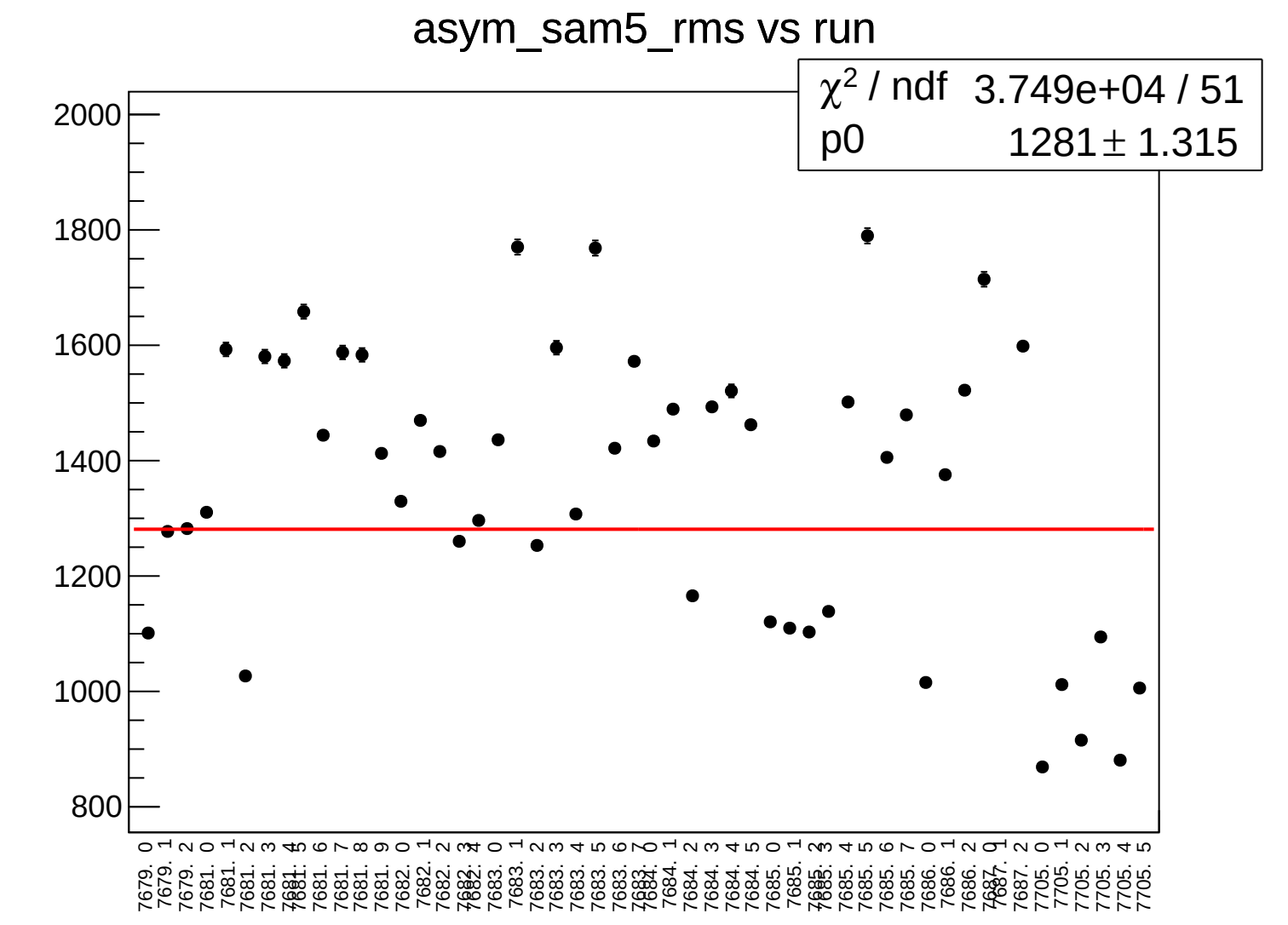

asym_sam5_correction_mean vs run
χ² / ndf 46.74 / 51
p0 487.2 ± 1934
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 40.39
Std Dev 22.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

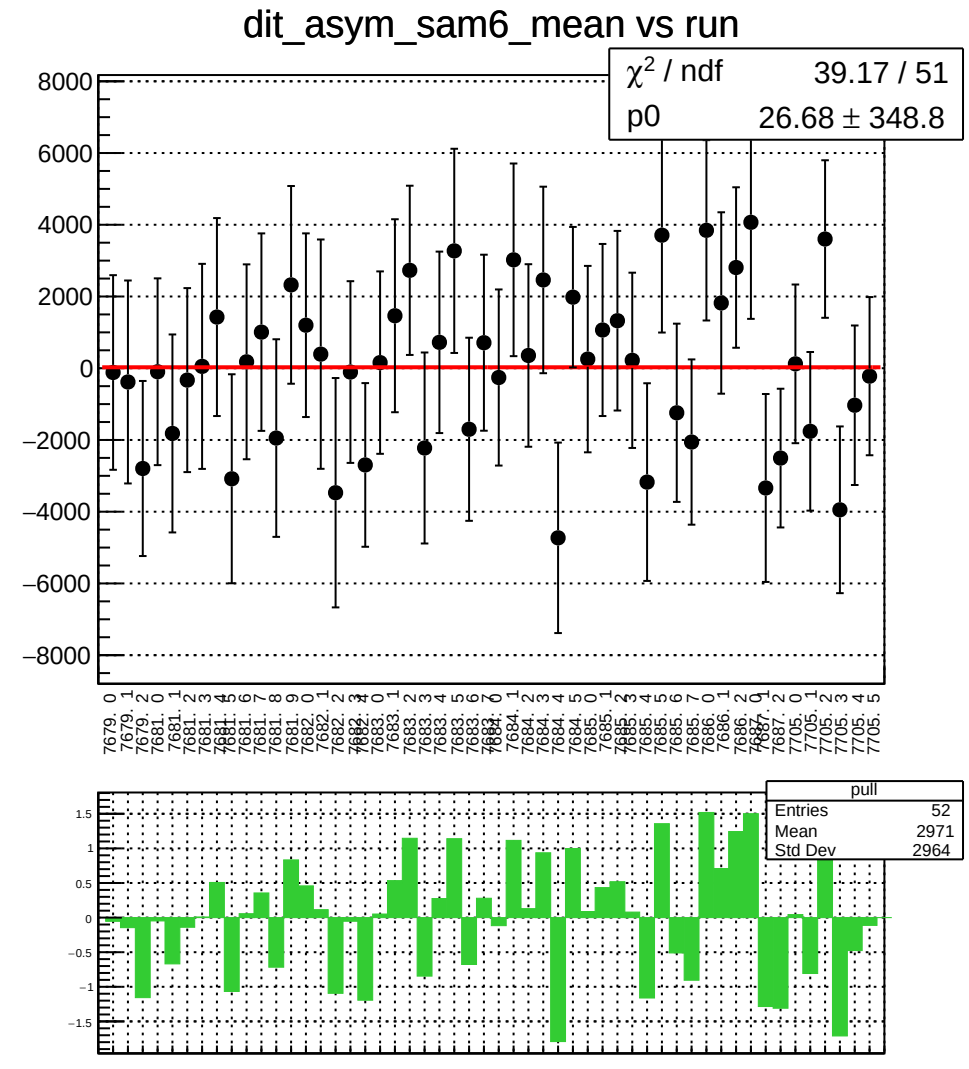

pull1D
Entries 52
Mean 0.01682
Std Dev 0.9479
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

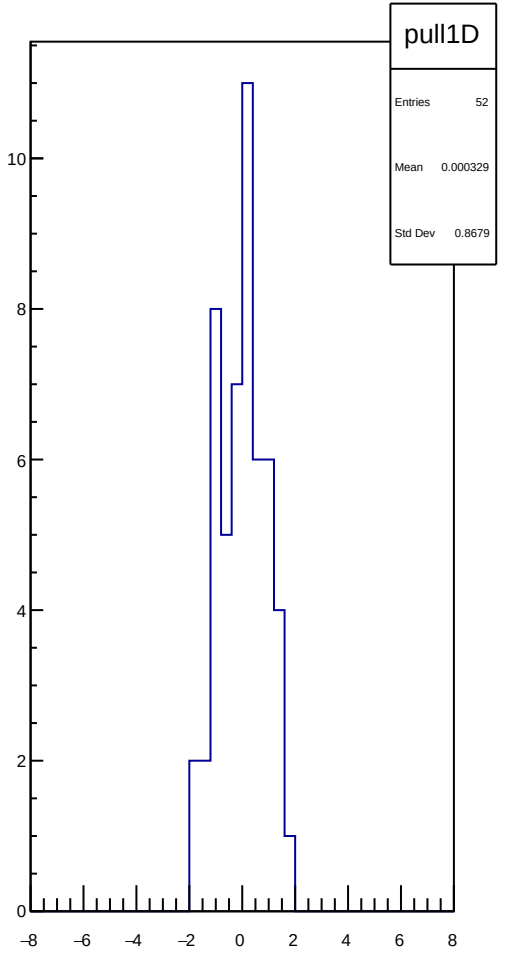

asym_sam5_correction_rms vs run
χ² / ndf 3.961e+04 / 51
p0 1331 ± 1.367
2000
1800
1600
1400
1200
1000
800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

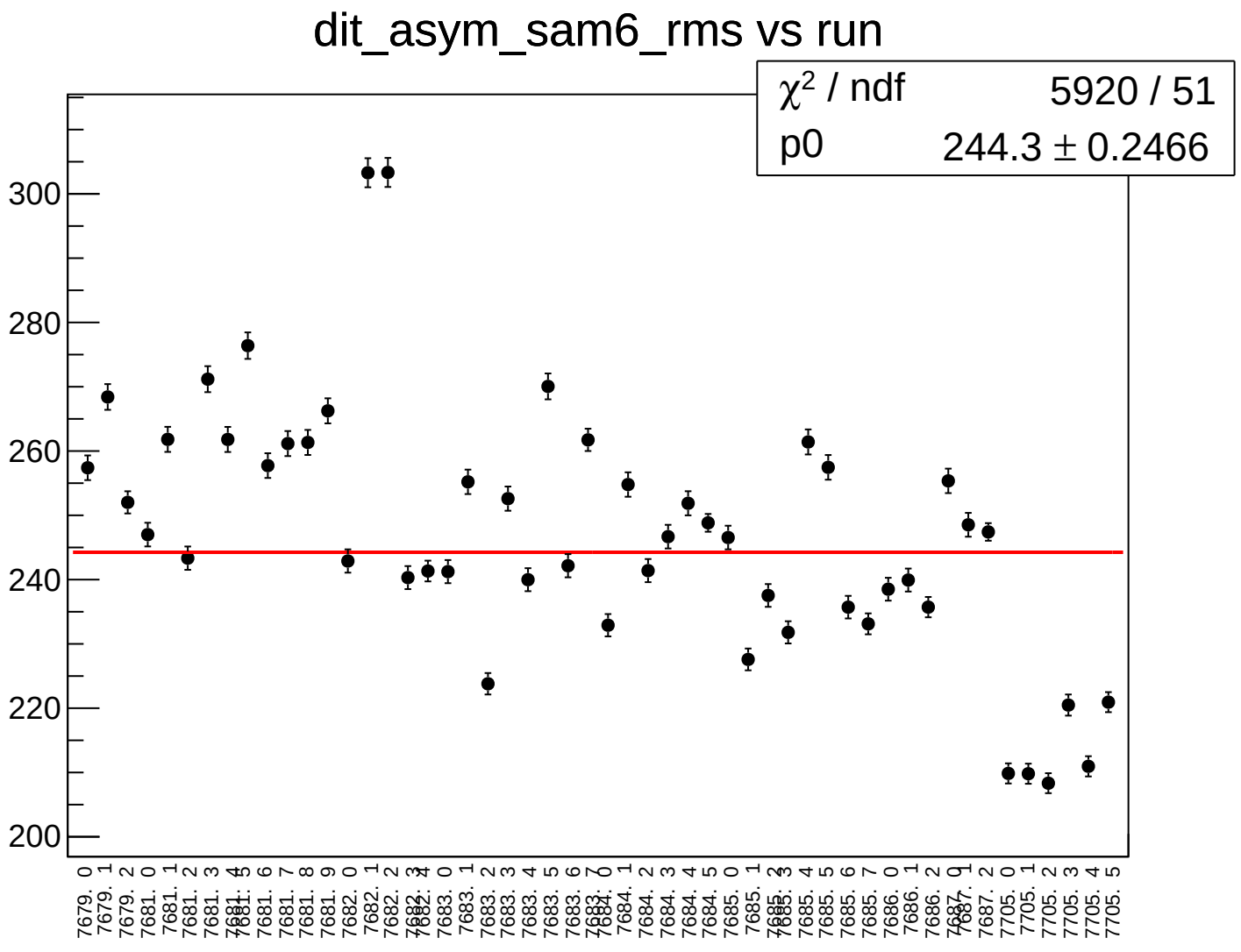

asym_sam5_mean vs run
χ² / ndf 47.31 / 51
p0 61.27 ± 1859
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 9.576
Std Dev 18.26
1.5
1
0.5
0
−0.5
−1
−1.5
−2

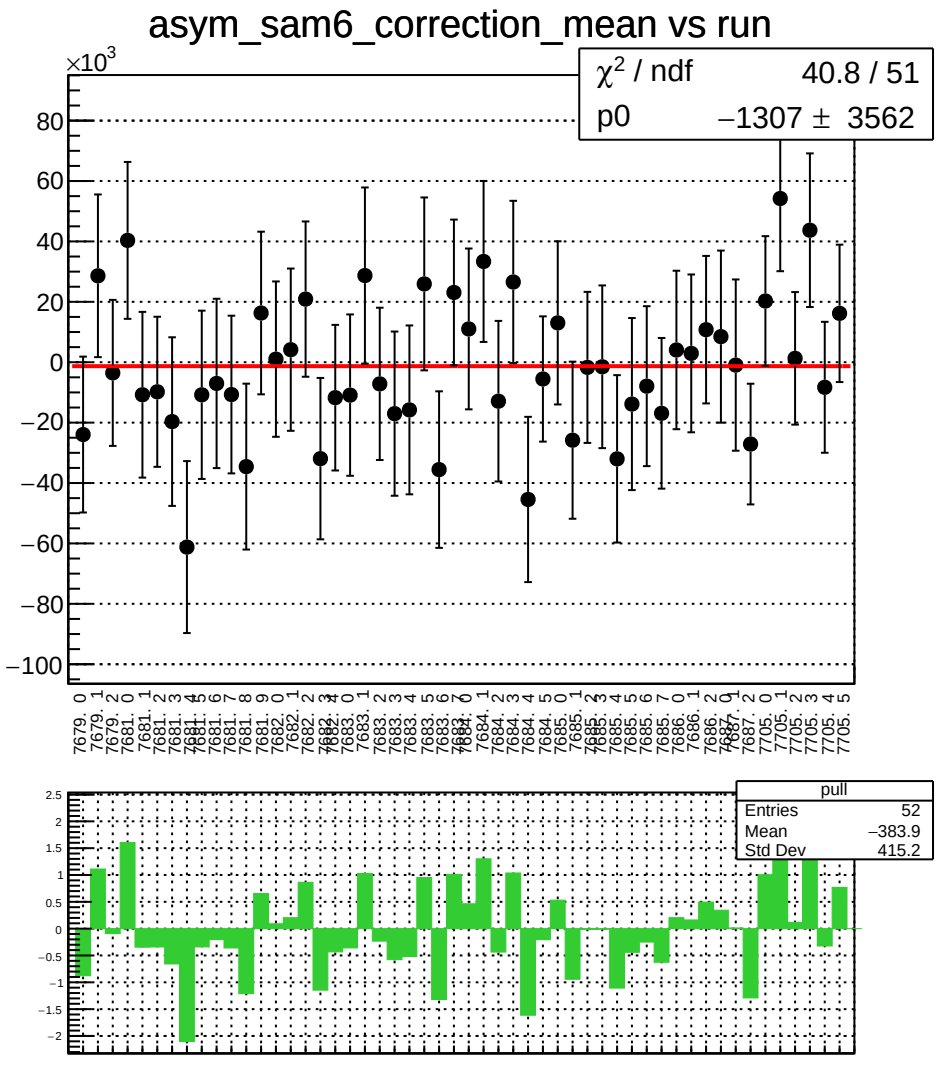

pull1D
Entries 52
Mean −0.02236
Std Dev 0.9536
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

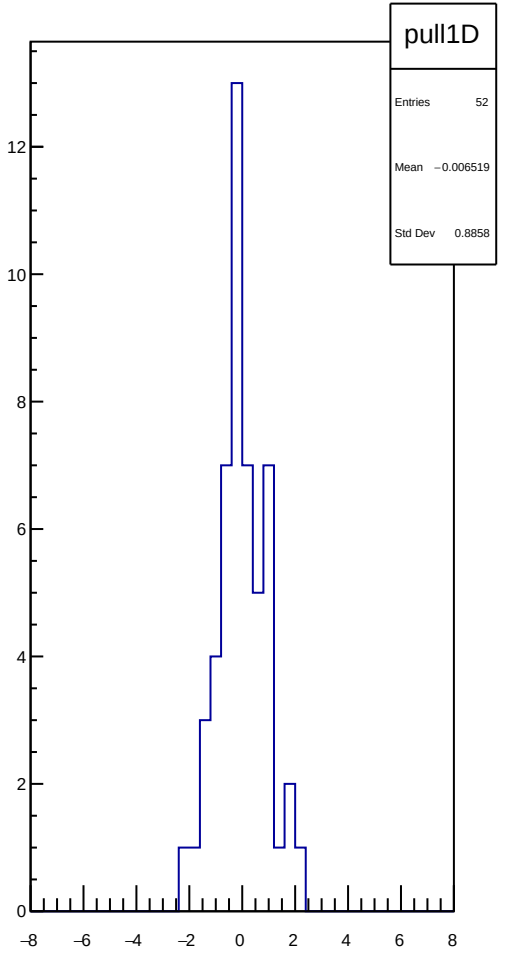

asym_sam5_rms vs run
χ² / ndf 3.749e+04 / 51
p0 1281 ± 1.315
2000
1800
1600
1400
1200
1000
800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

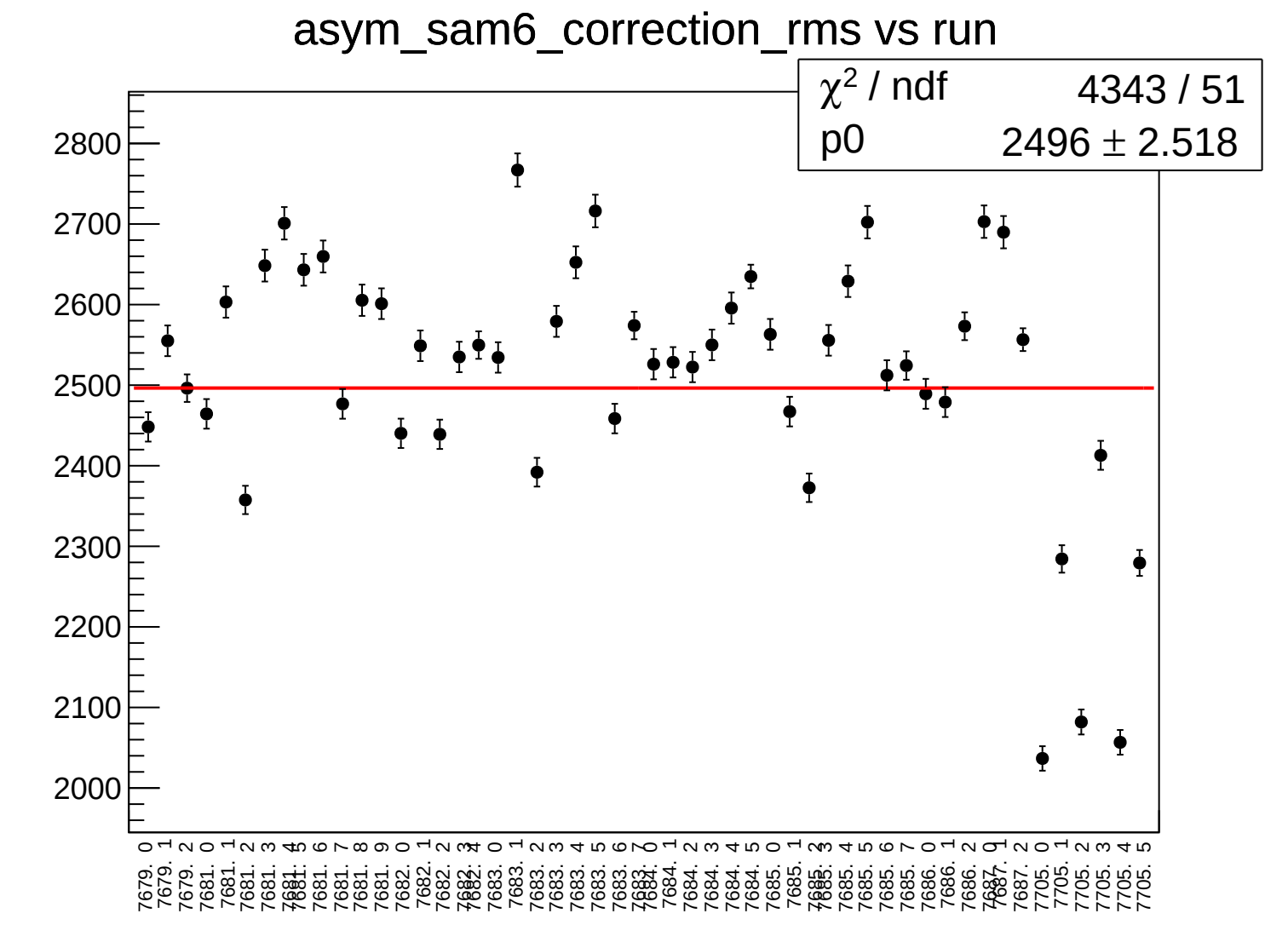

dit_asym_sam6_mean vs run
χ^2 / ndf 39.17 / 51
p0 26.68 ± 348.8
pull
Entries 52
Mean 2971
Std Dev 2964

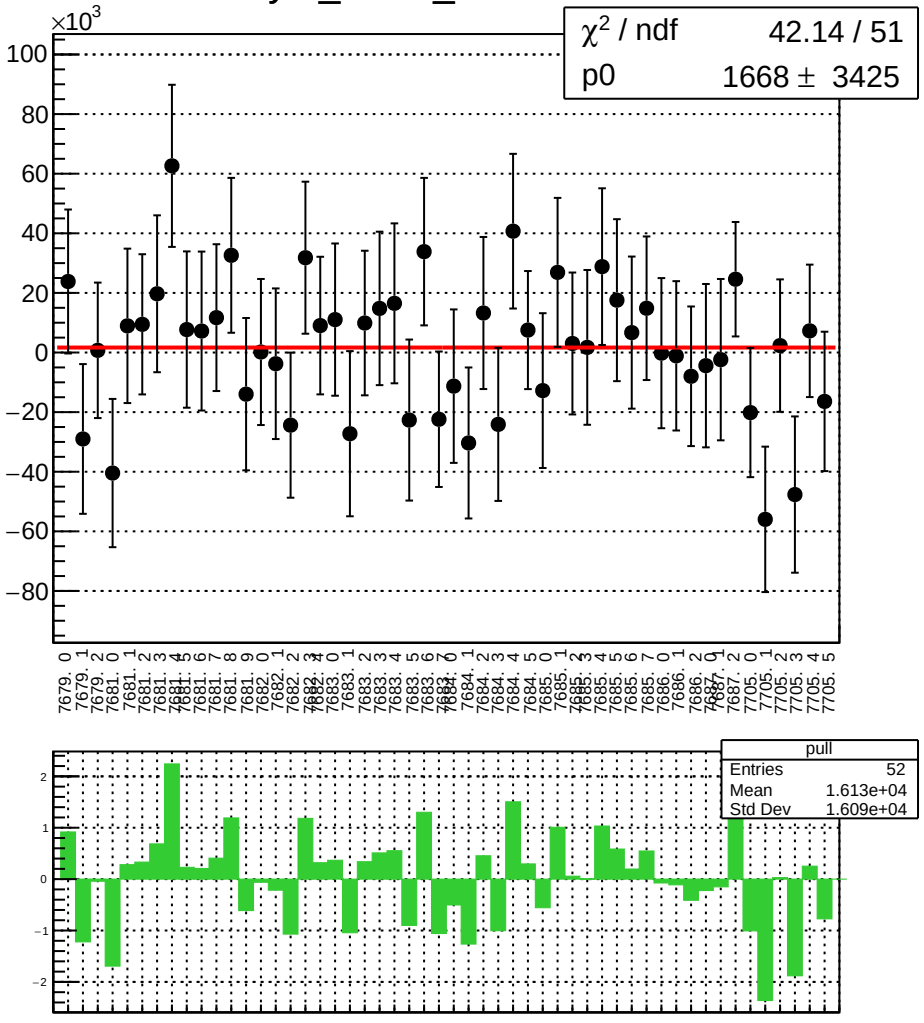

pull1D
Entries 52
Mean 0.000329
Std Dev 0.8679

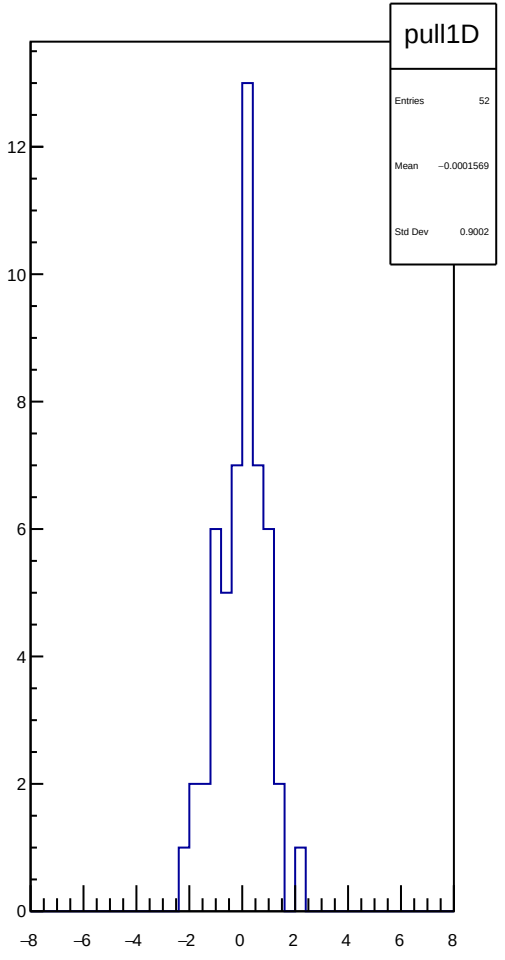

dit_asym_sam6_rms vs run
χ² / ndf 5920 / 51
p0 244.3 ± 0.2466
300
280
260
240
220
200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

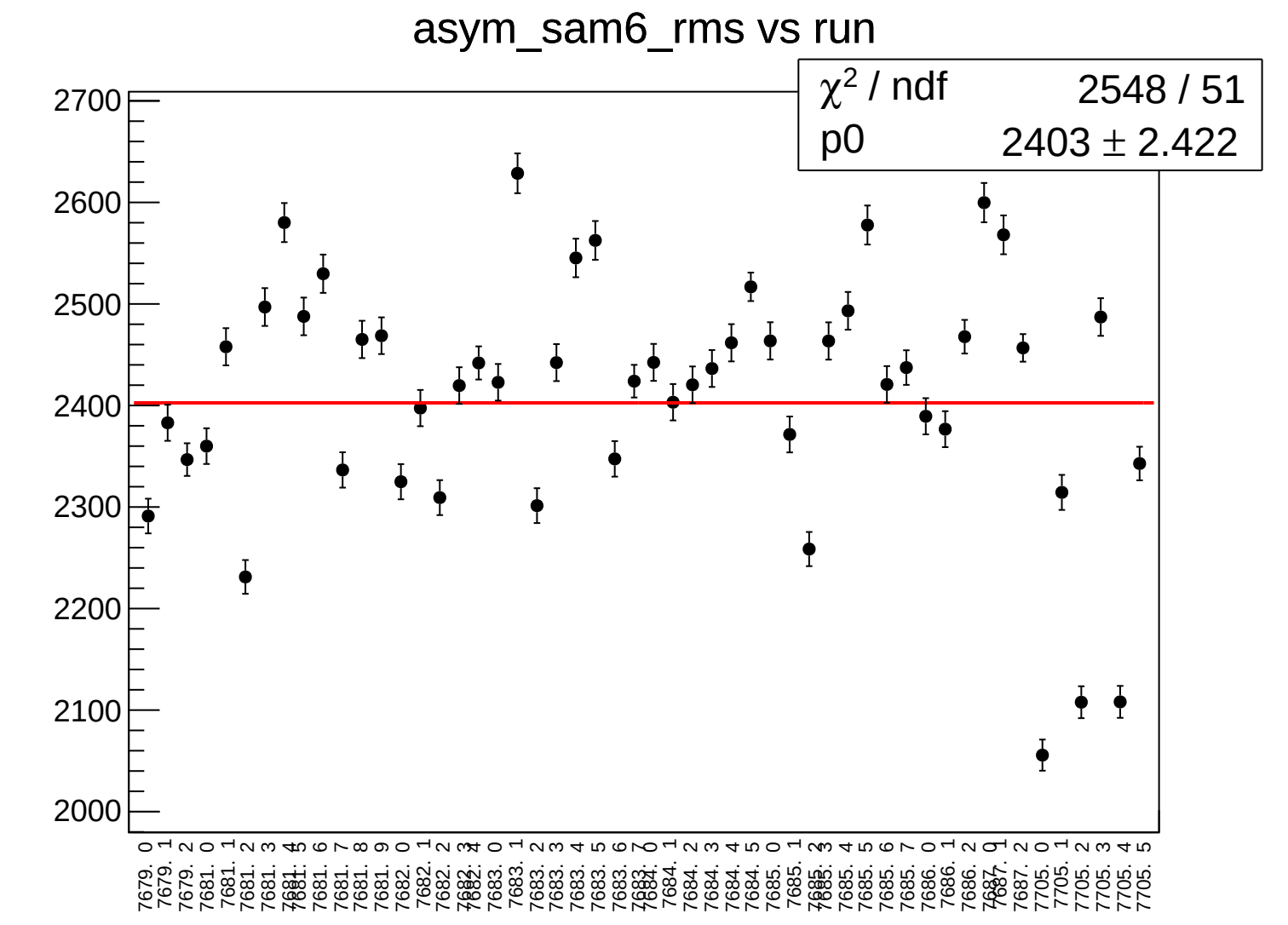

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 40.8 / 51
p0 −1307 ± 3562
pull
Entries 52
Mean −383.9
Std Dev 415.2

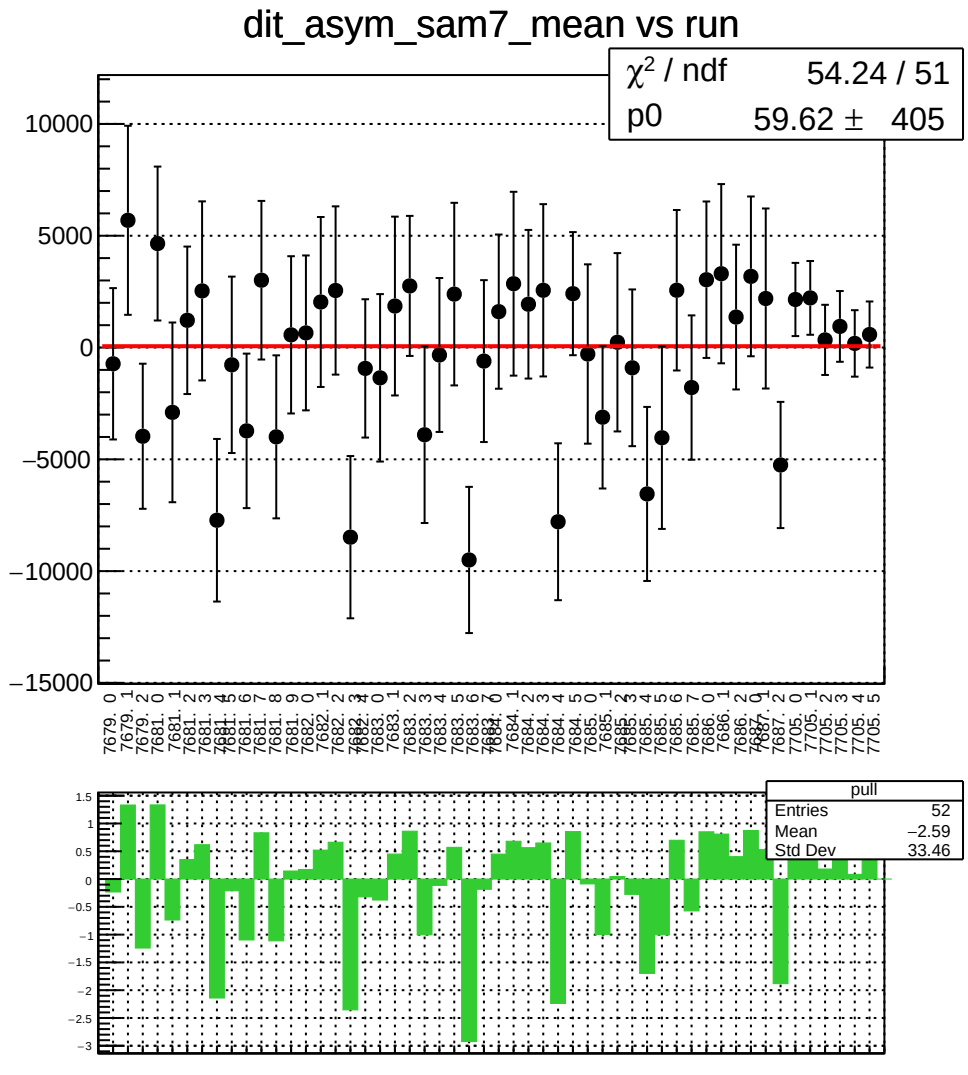

pull1D
Entries 52
Mean −0.006519
Std Dev 0.8858

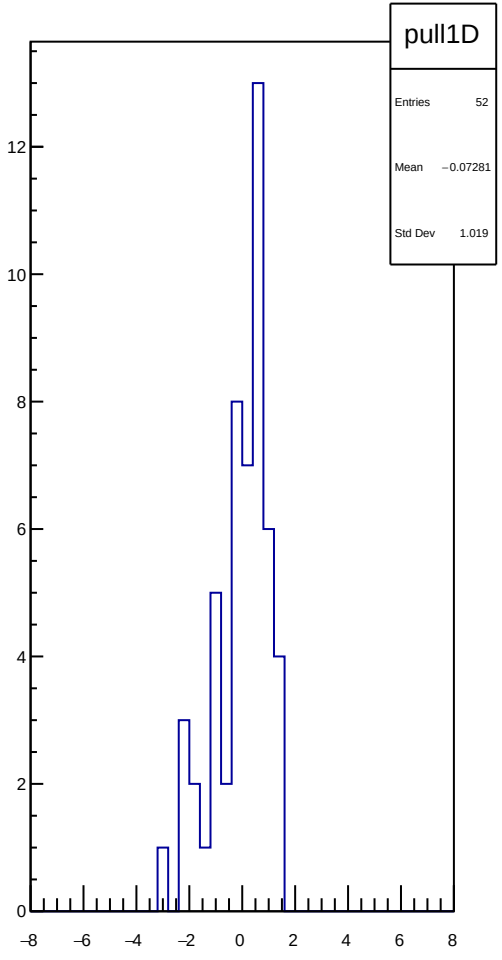

asym_sam6_correction_rms vs run
χ² / ndf 4343 / 51
p0 2496 ± 2.518
2800
2700
2600
2500
2400
2300
2200
2100
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

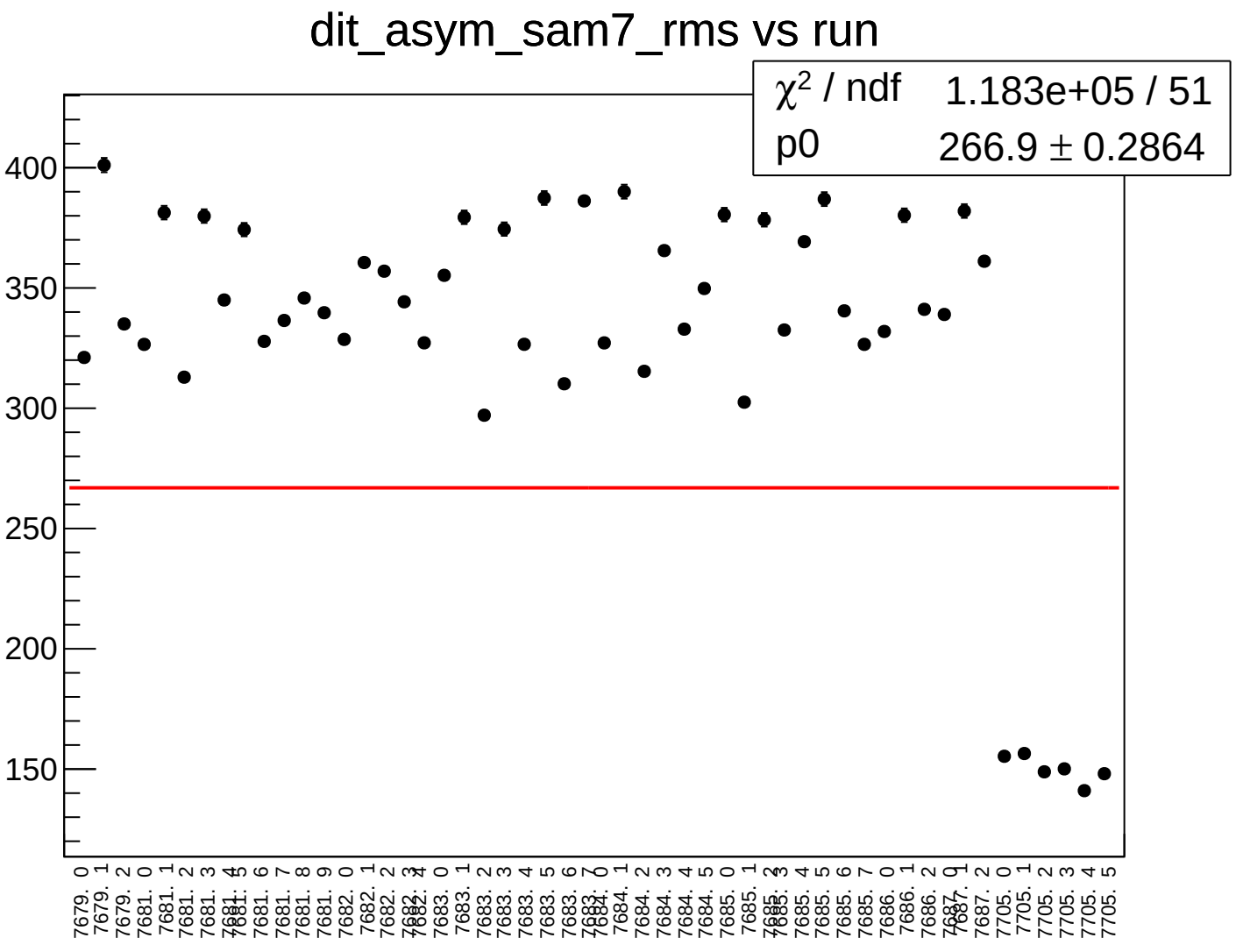

asym_sam6_mean vs run
×10^3
χ² / ndf 42.14 / 51
p0 1668 ± 3425
pull
Entries 52
Mean 1.613e+04
Std Dev 1.609e+04

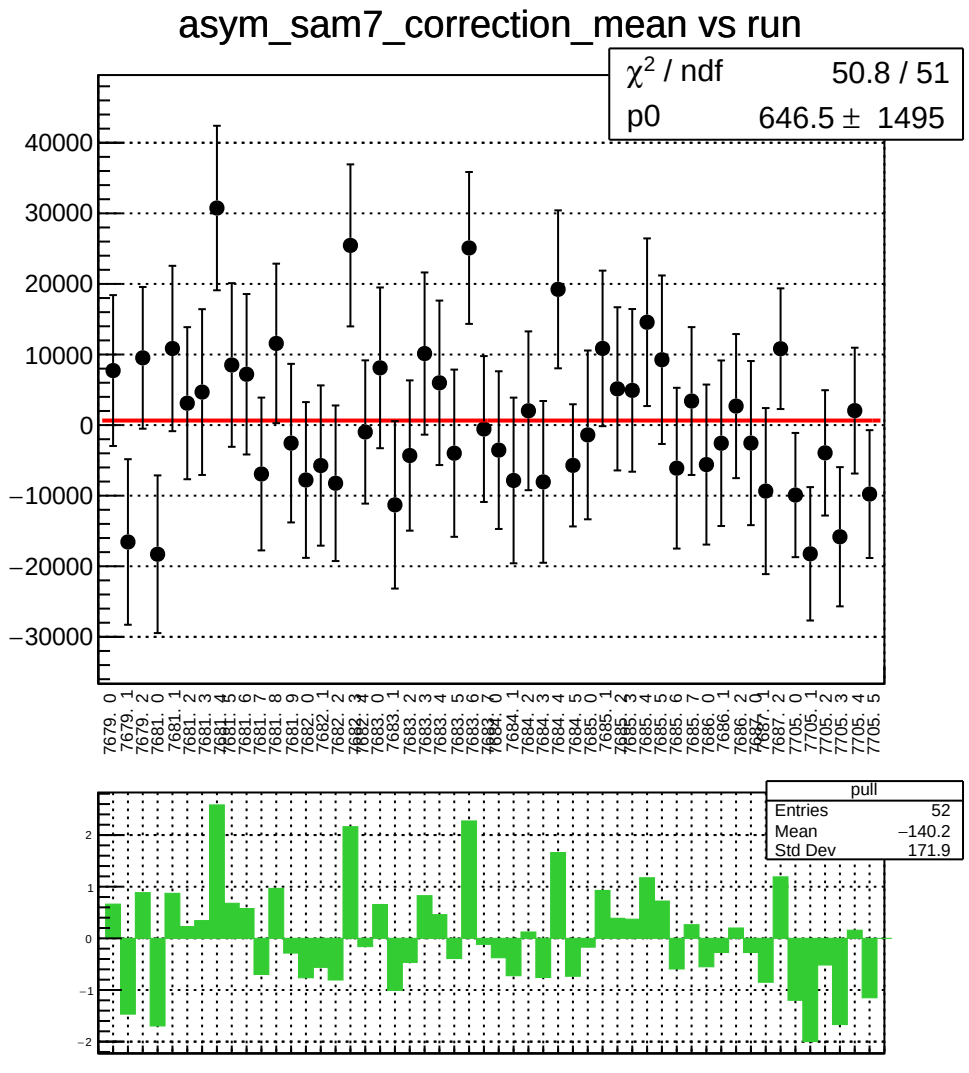

pull1D
Entries 52
Mean −0.0001569
Std Dev 0.9002

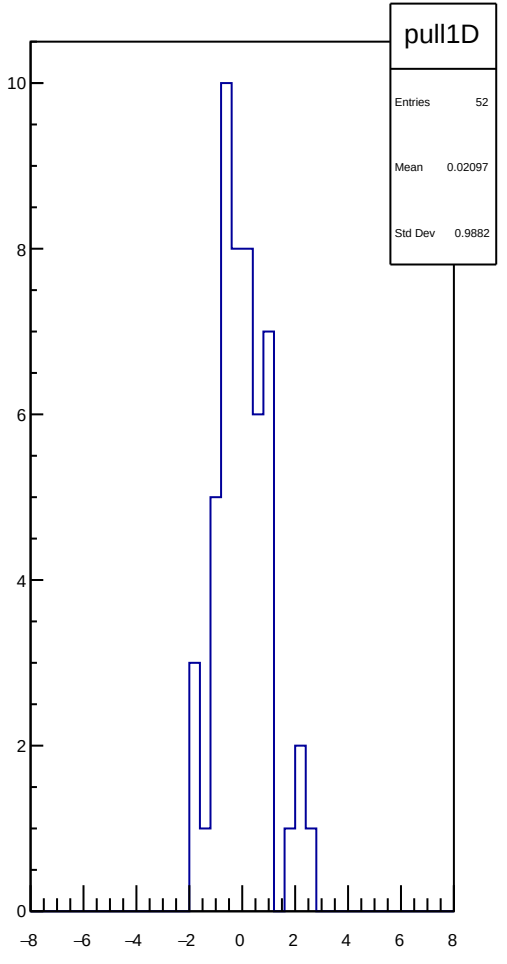

asym_sam6_rms vs run
χ² / ndf 2548 / 51
p0 2403 ± 2.422
2700
2600
2500
2400
2300
2200
2100
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

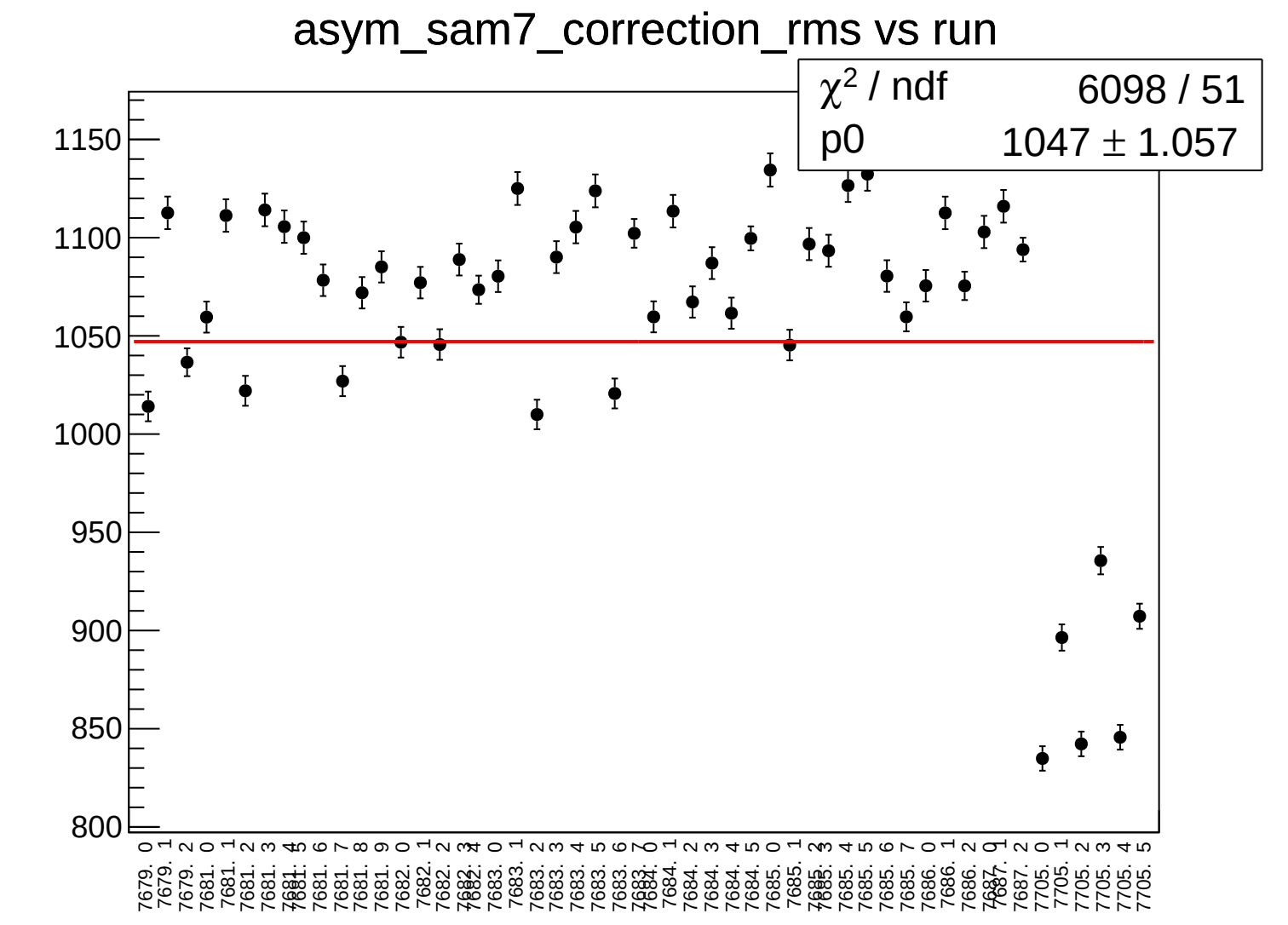

dit_asym_sam7_mean vs run
χ² / ndf 54.24 / 51
p0 59.62 ± 405
pull
Entries 52
Mean −2.59
Std Dev 33.46

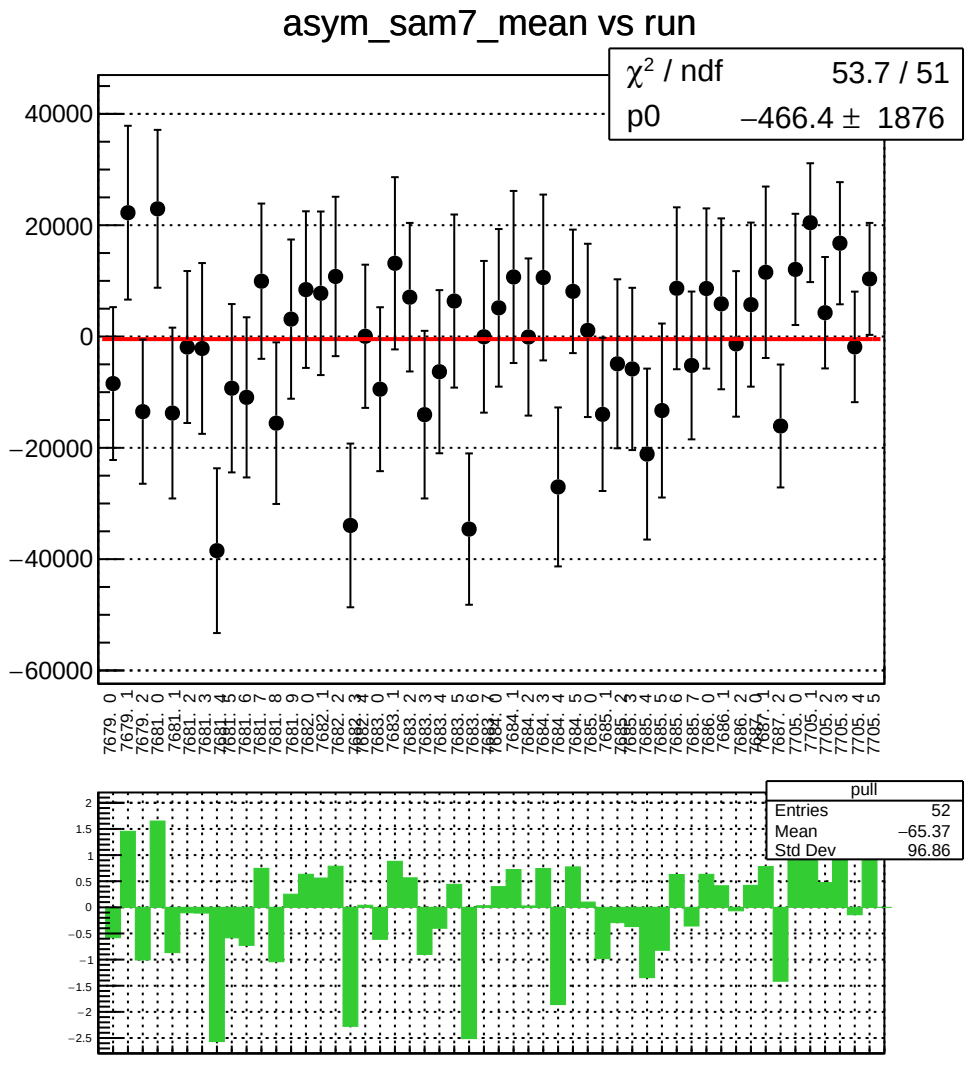

pull1D
Entries 52
Mean −0.07281
Std Dev 1.019

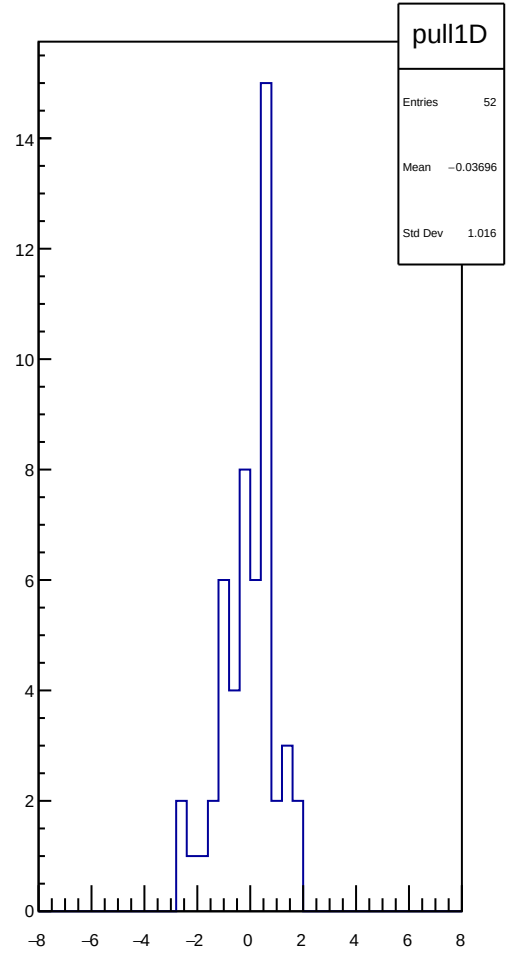

dit_asym_sam7_rms vs run
χ² / ndf 1.183e+05 / 51
p0 266.9 ± 0.2864
400
350
300
250
200
150
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

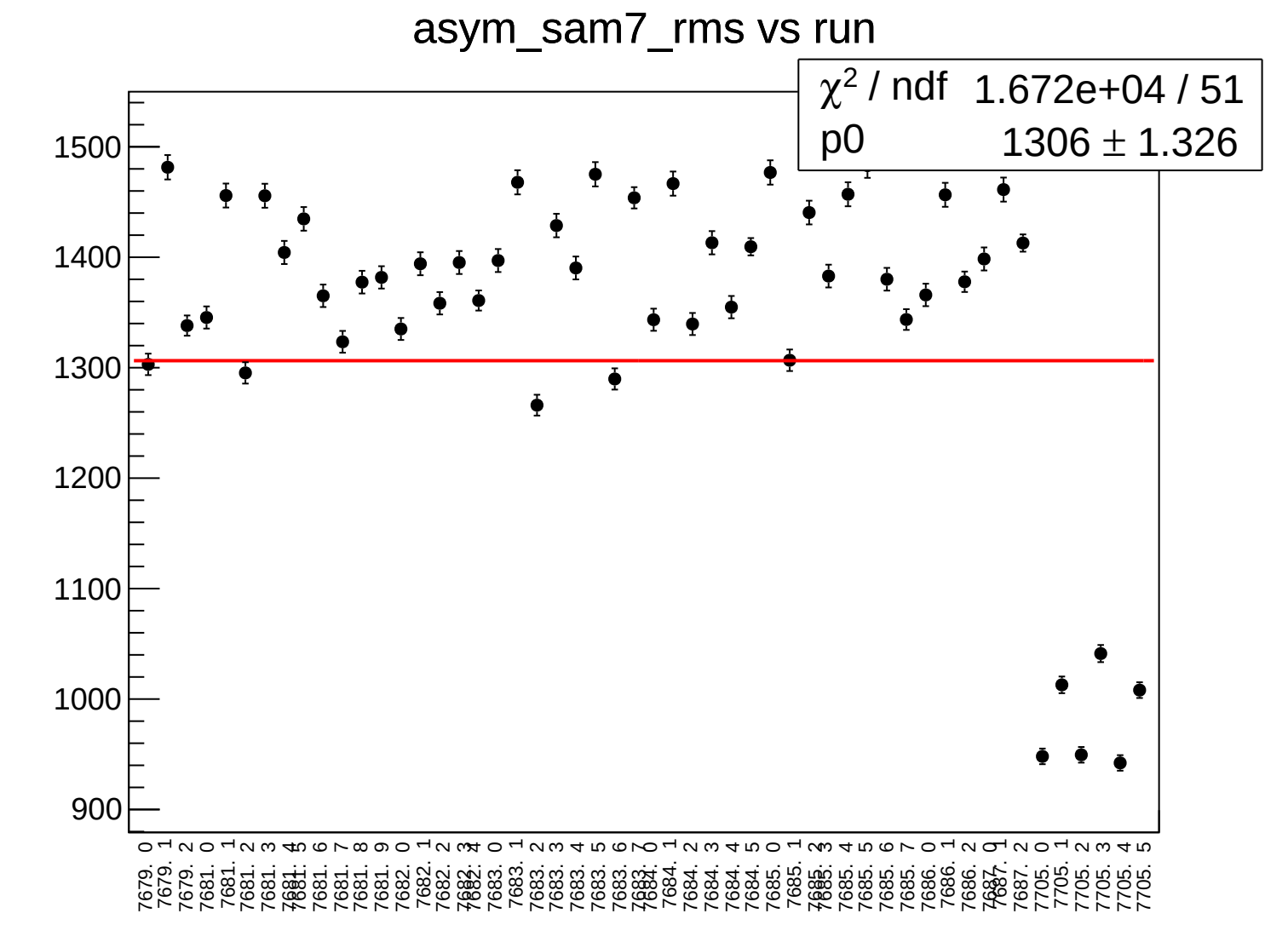

asym_sam7_correction_mean vs run
χ² / ndf 50.8 / 51
p0 646.5 ± 1495
pull
Entries 52
Mean −140.2
Std Dev 171.9

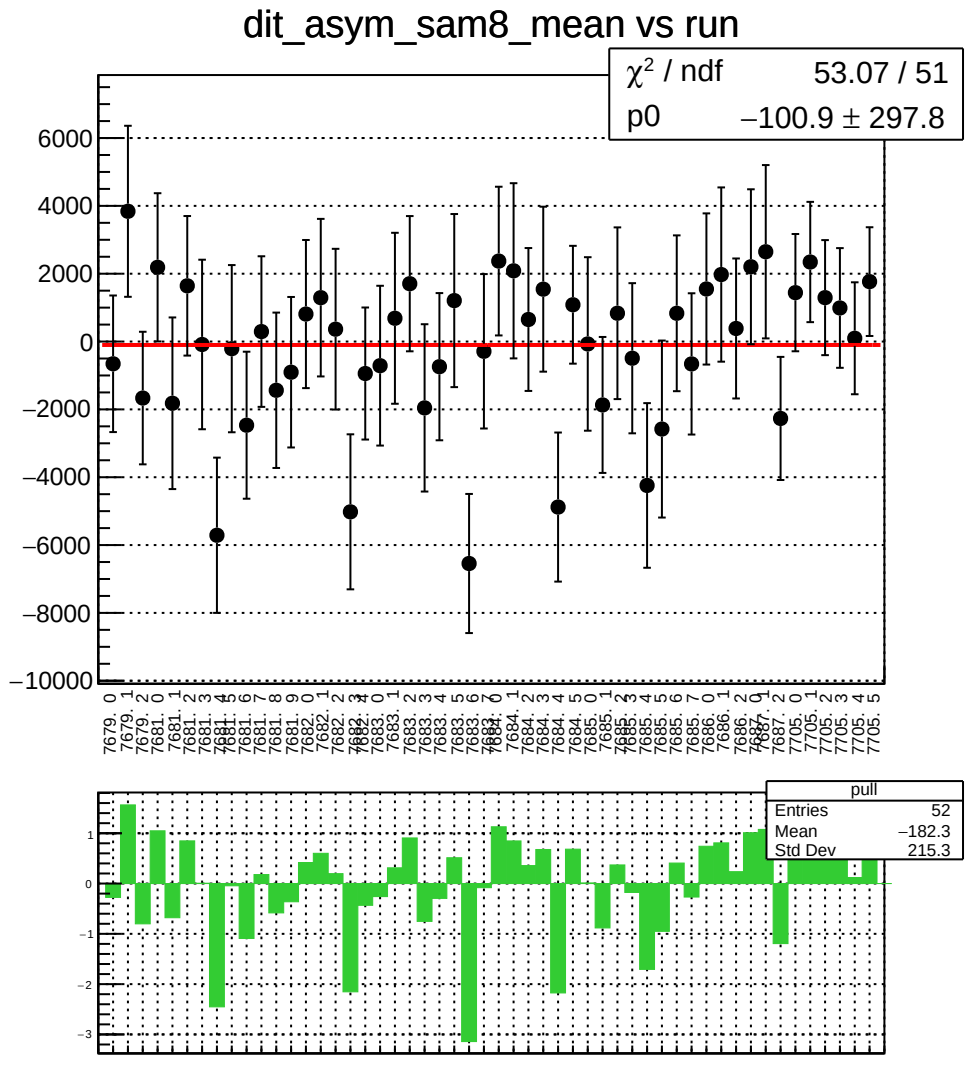

pull1D
Entries 52
Mean 0.02097
Std Dev 0.9882

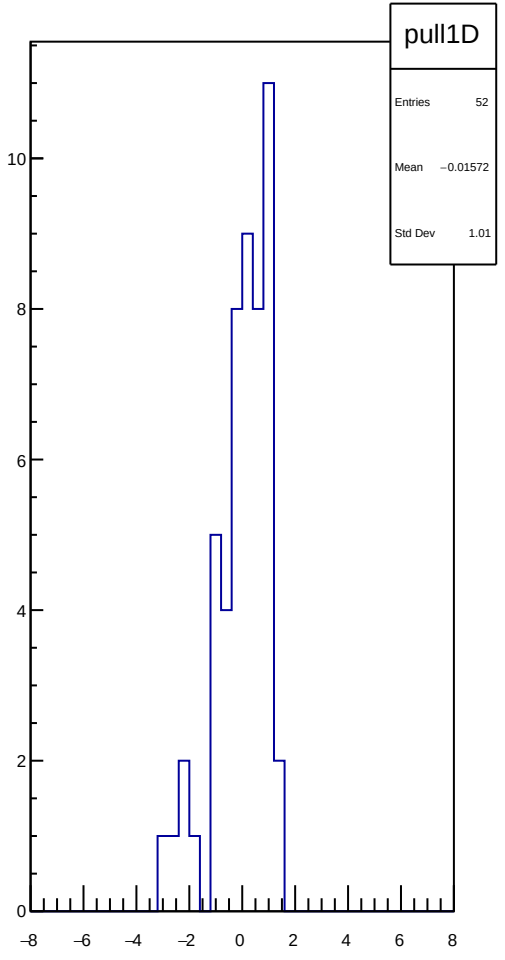

asym_sam7_correction_rms vs run
χ² / ndf 6098 / 51
p0 1047 ± 1.057
1150
1100
1050
1000
950
900
850
800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

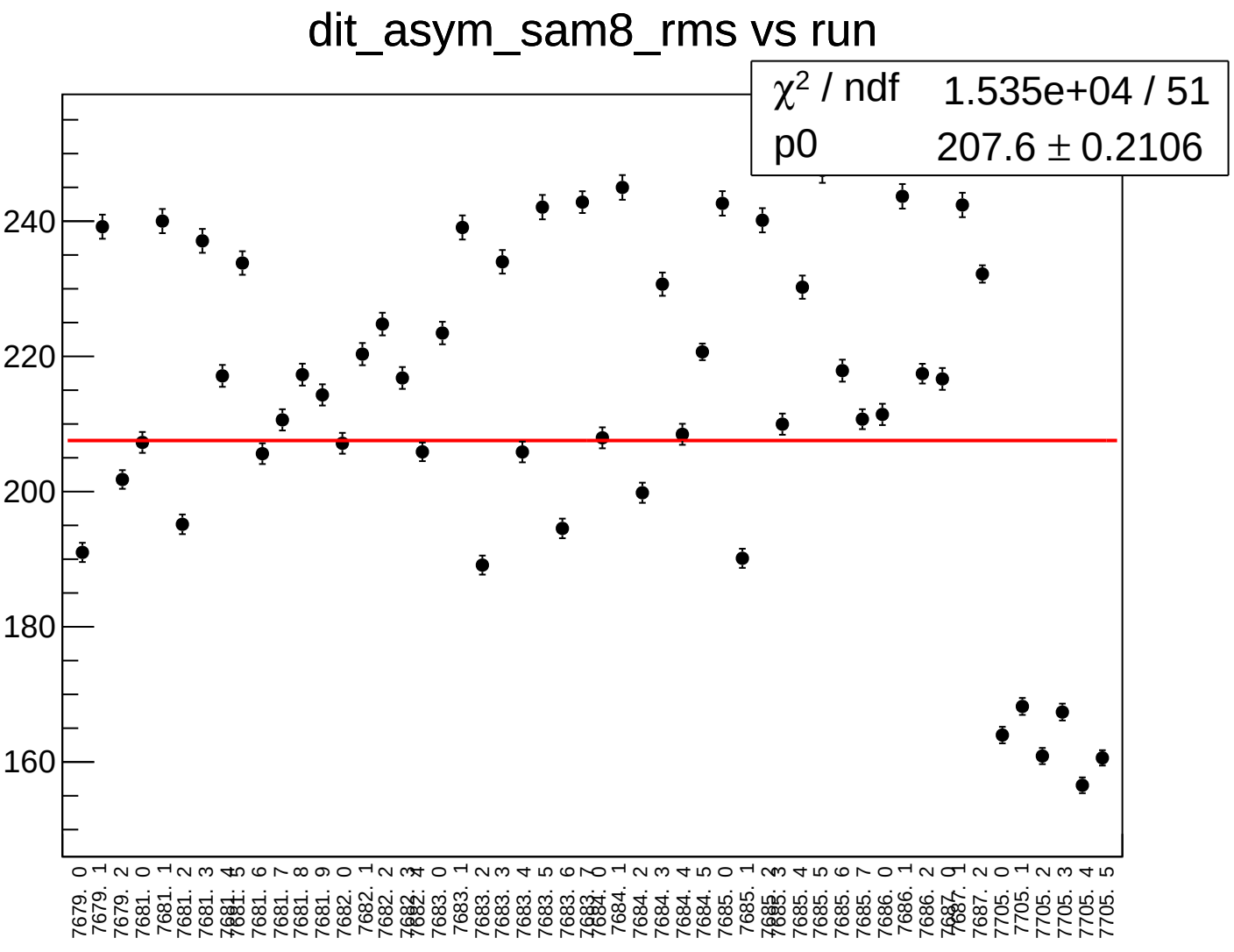

asym_sam7_mean vs run
χ² / ndf 53.7 / 51
p0 −466.4 ± 1876
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −65.37
Std Dev 96.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

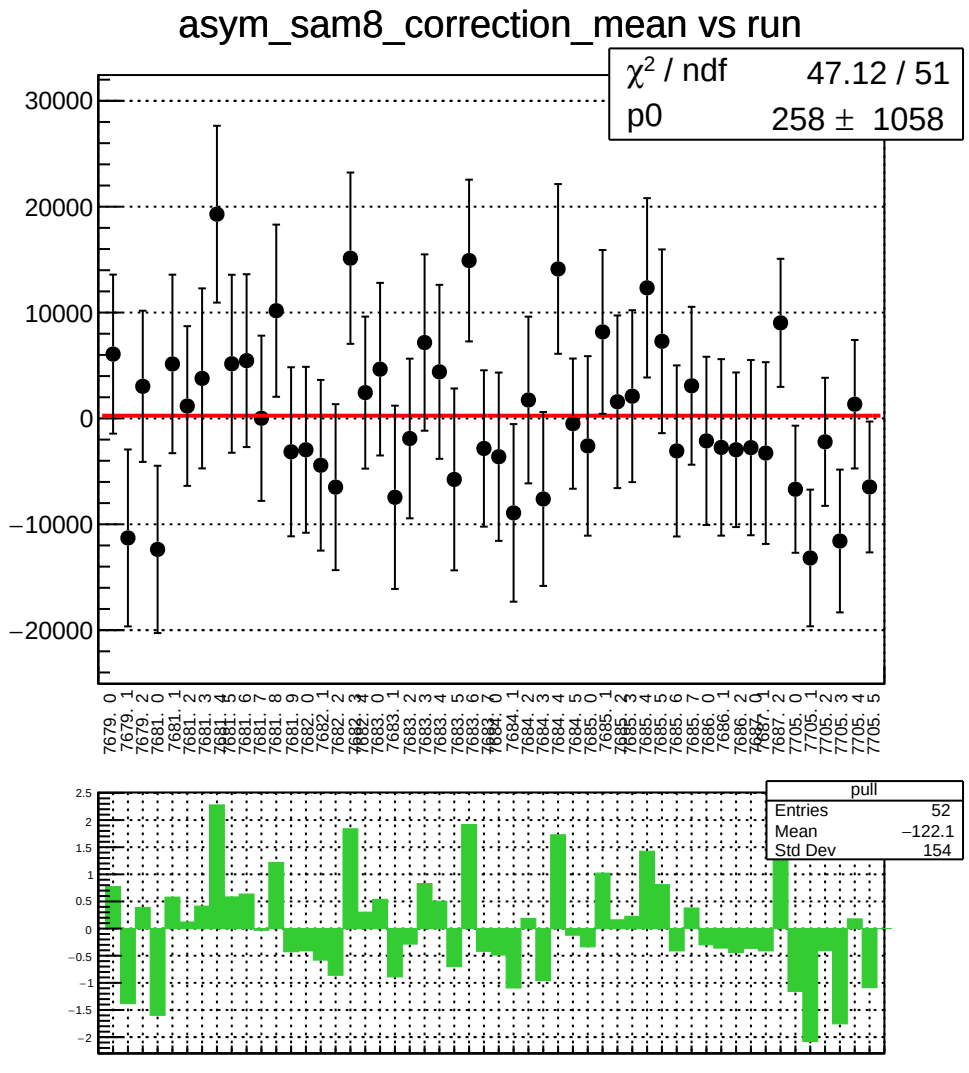

pull1D
Entries 52
Mean −0.03696
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

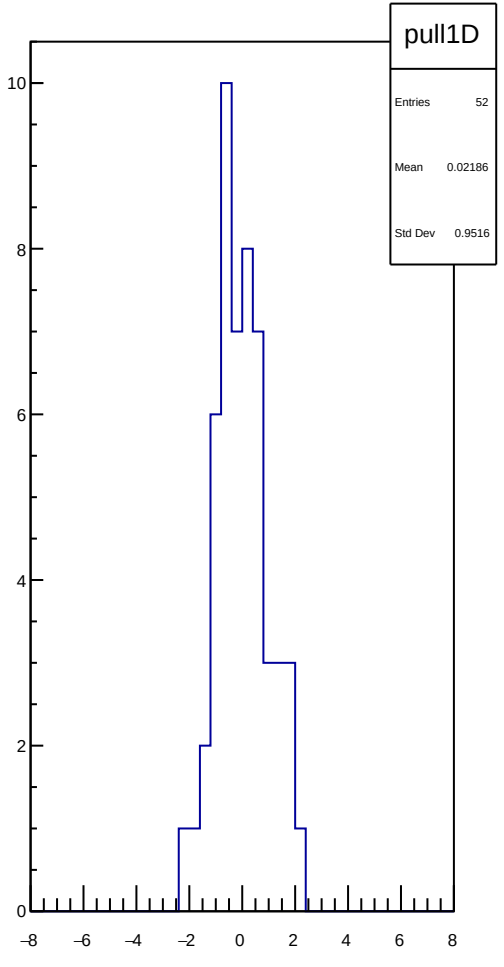

asym_sam7_rms vs run
χ² / ndf 1.672e+04 / 51
p0 1306 ± 1.326
1500
1400
1300
1200
1100
1000
900
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

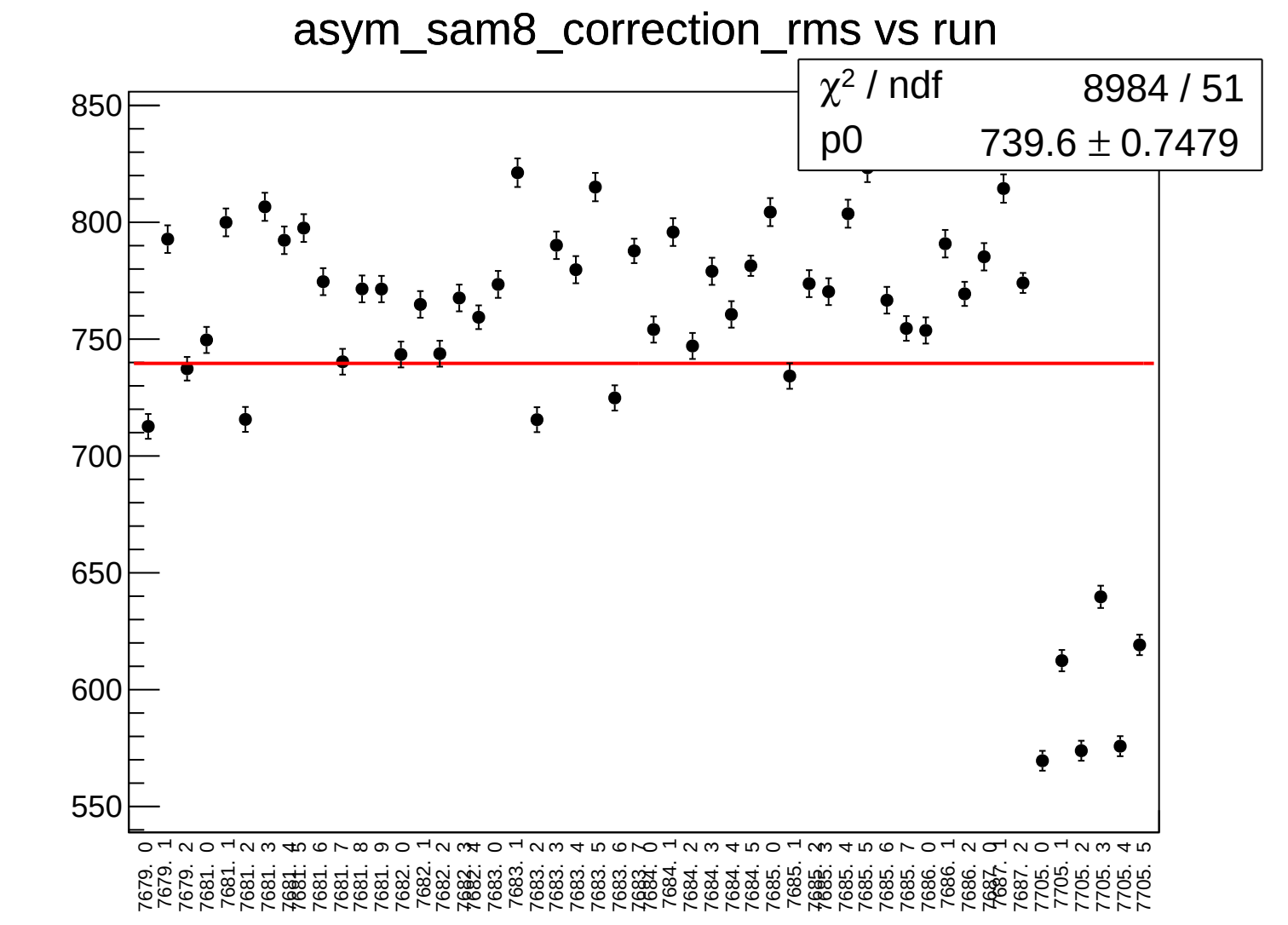

dit_asym_sam8_mean vs run
χ² / ndf 53.07 / 51
p0 −100.9 ± 297.8
pull
Entries 52
Mean −182.3
Std Dev 215.3

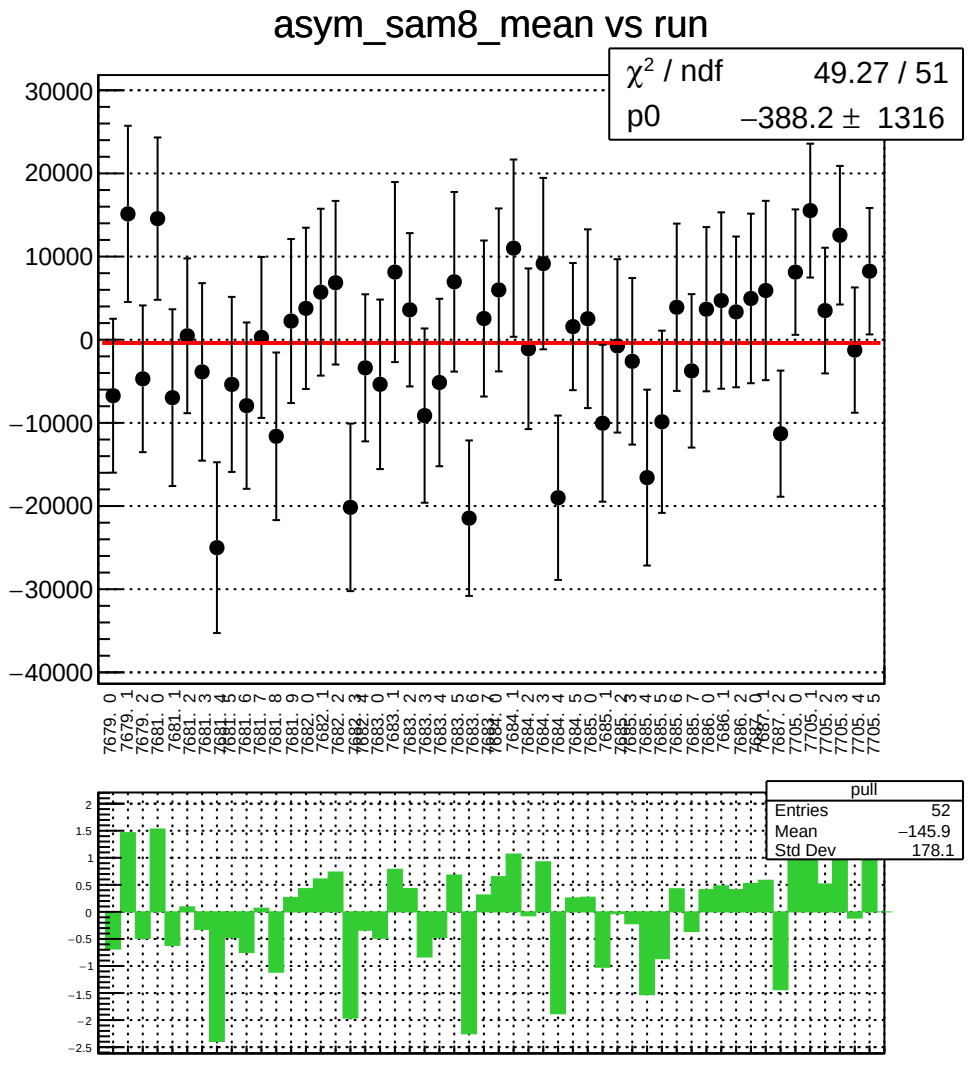

pull1D
Entries 52
Mean −0.01572
Std Dev 1.01

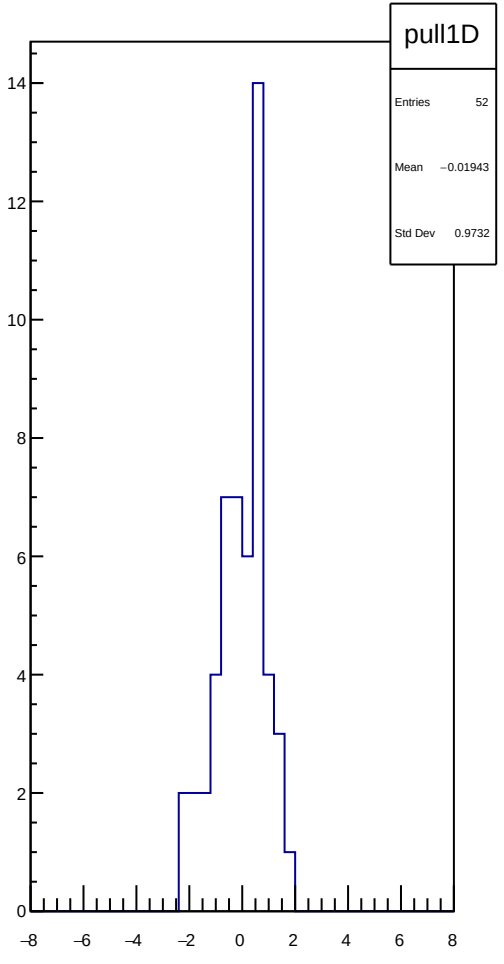

dit_asym_sam8_rms vs run
χ² / ndf 1.535e+04 / 51
p0 207.6 ± 0.2106
240
220
200
180
160
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

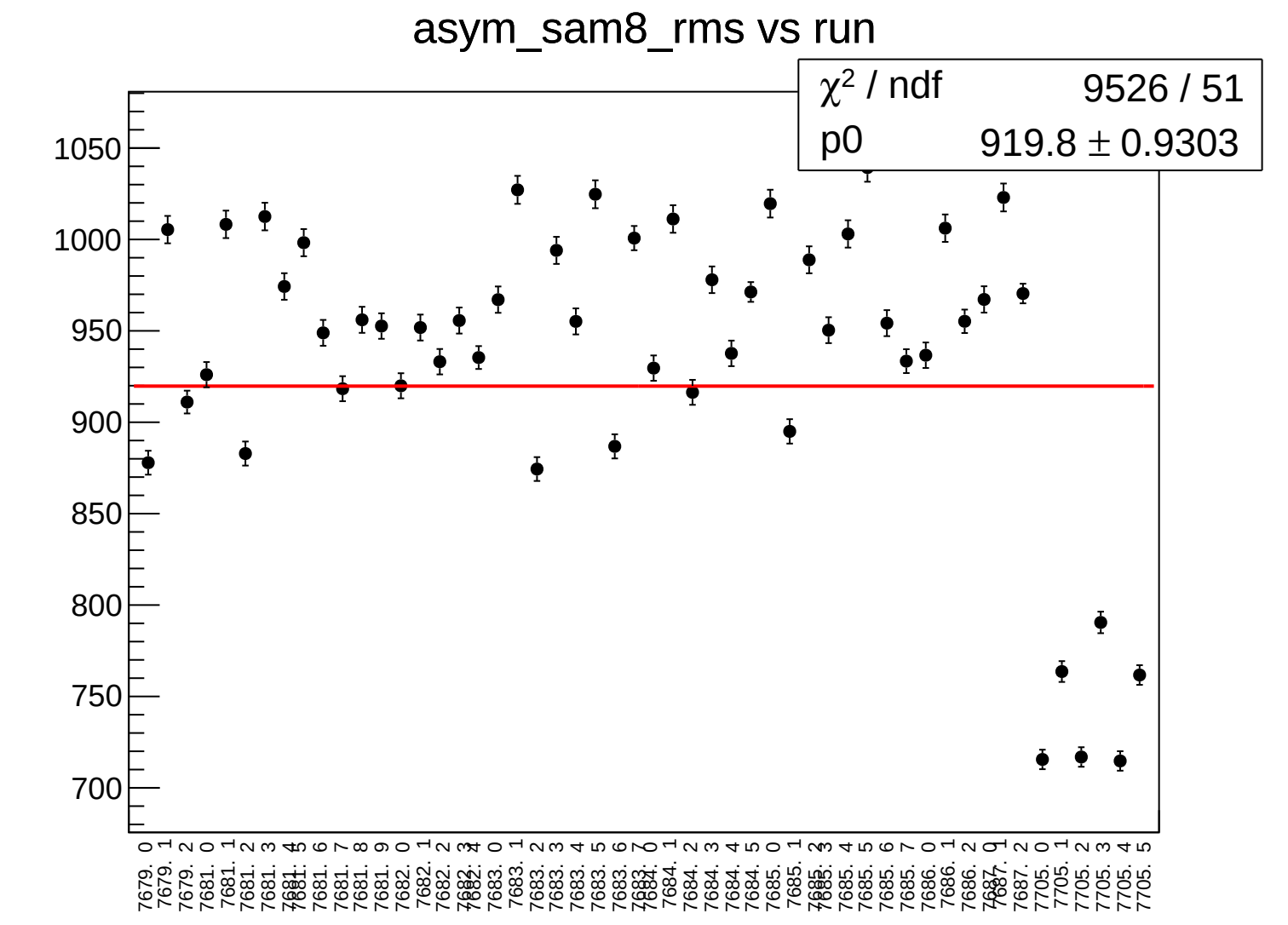

asym_sam8_correction_mean vs run
χ² / ndf 47.12 / 51
p0 258 ± 1058
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −122.1
Std Dev 154
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

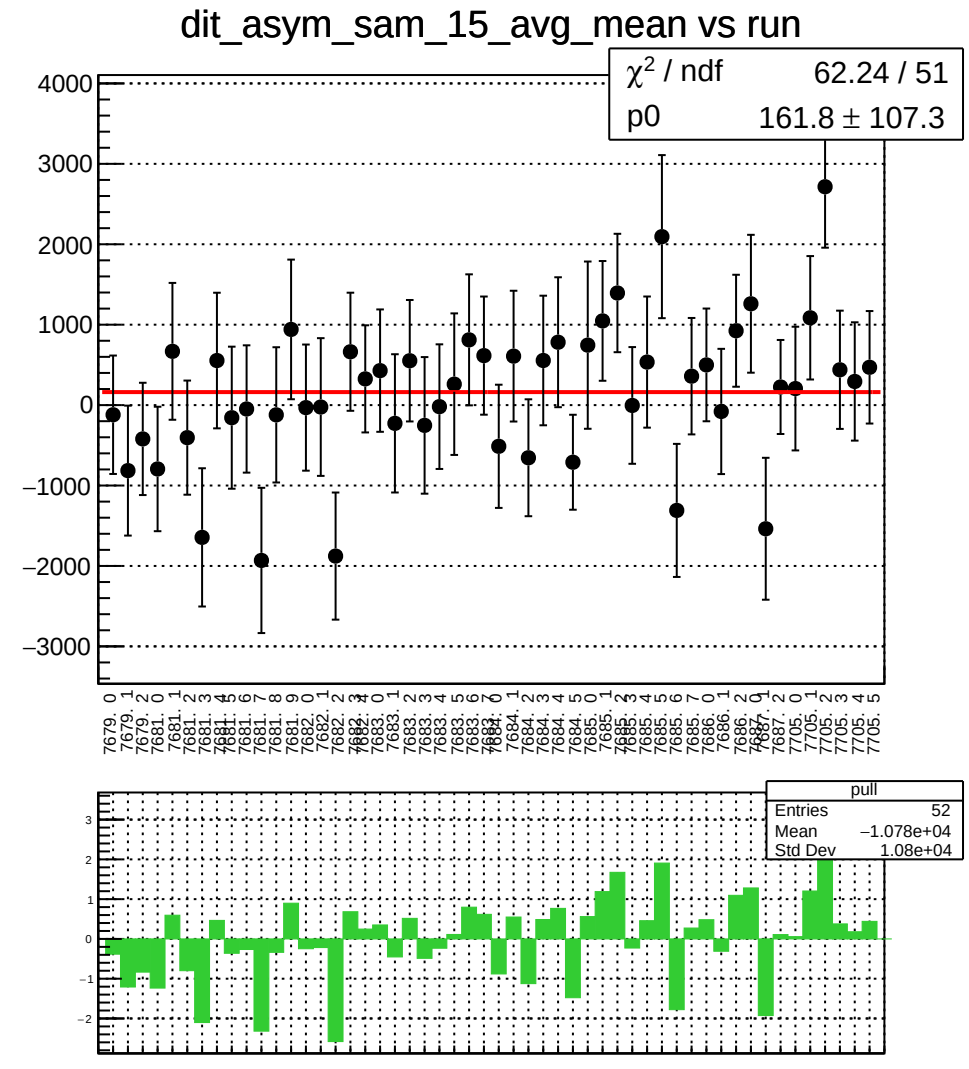

pull1D
Entries 52
Mean 0.02186
Std Dev 0.9516
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

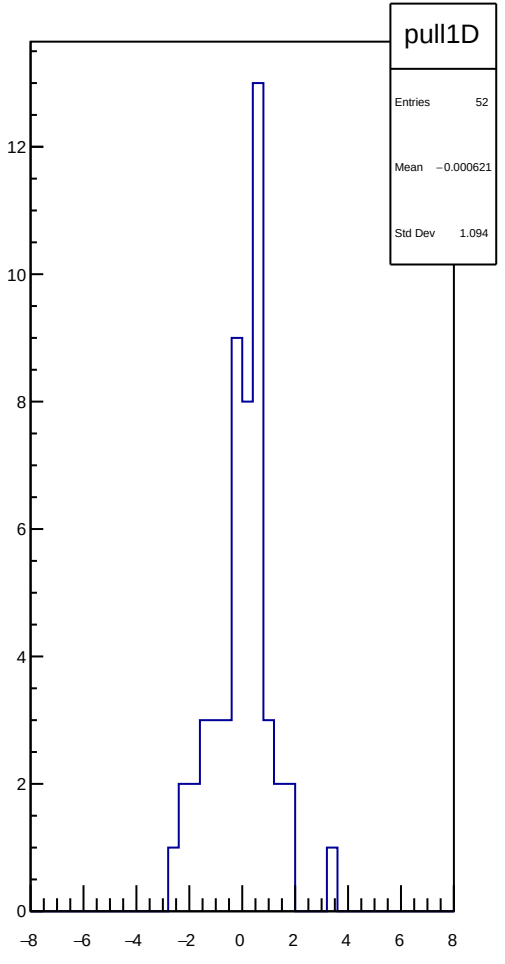

asym_sam8_correction_rms vs run
χ² / ndf 8984 / 51
p0 739.6 ± 0.7479
850
800
750
700
650
600
550
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

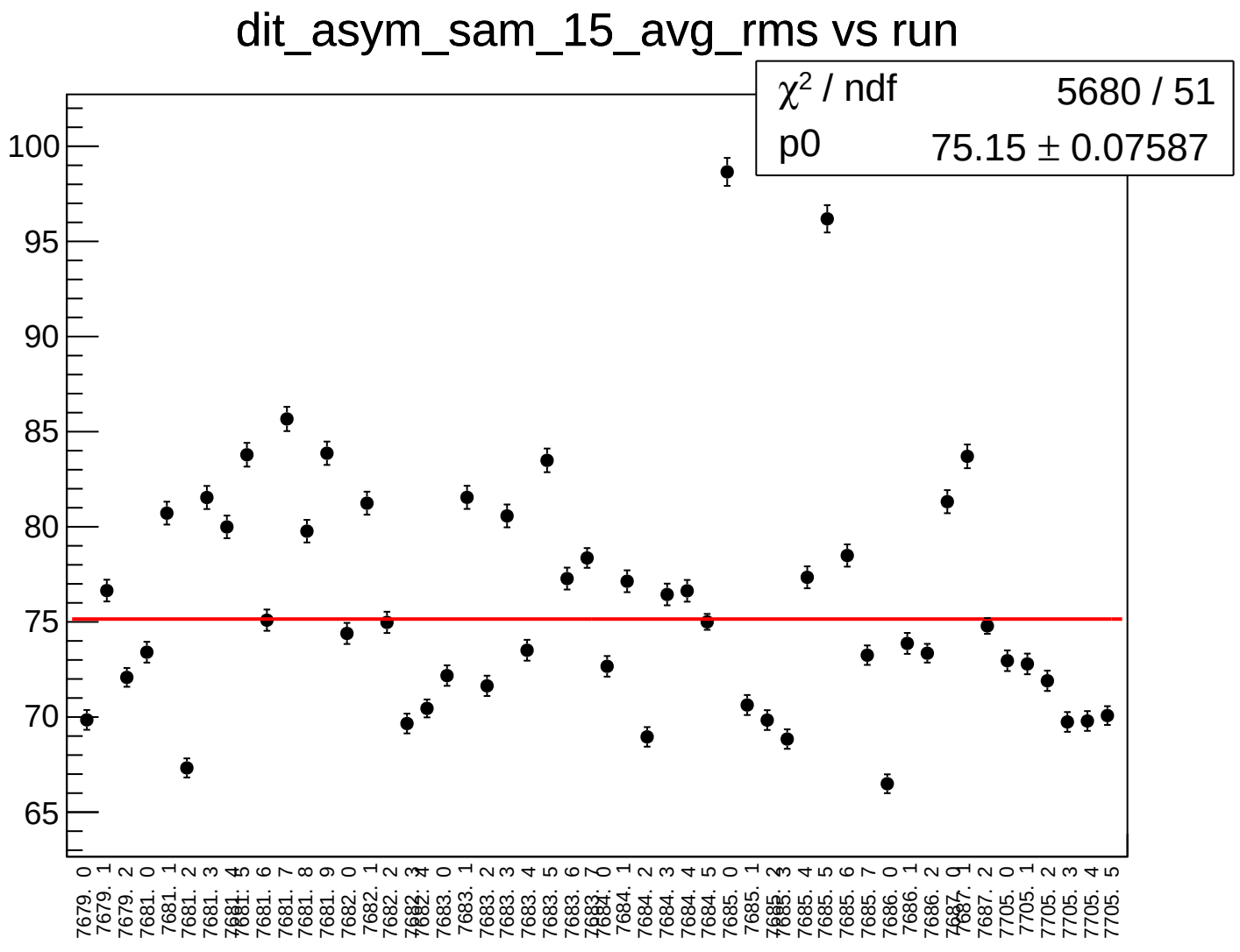

asym_sam8_mean vs run
χ² / ndf 49.27 / 51
p0 −388.2 ± 1316
pull
Entries 52
Mean −145.9
Std Dev 178.1

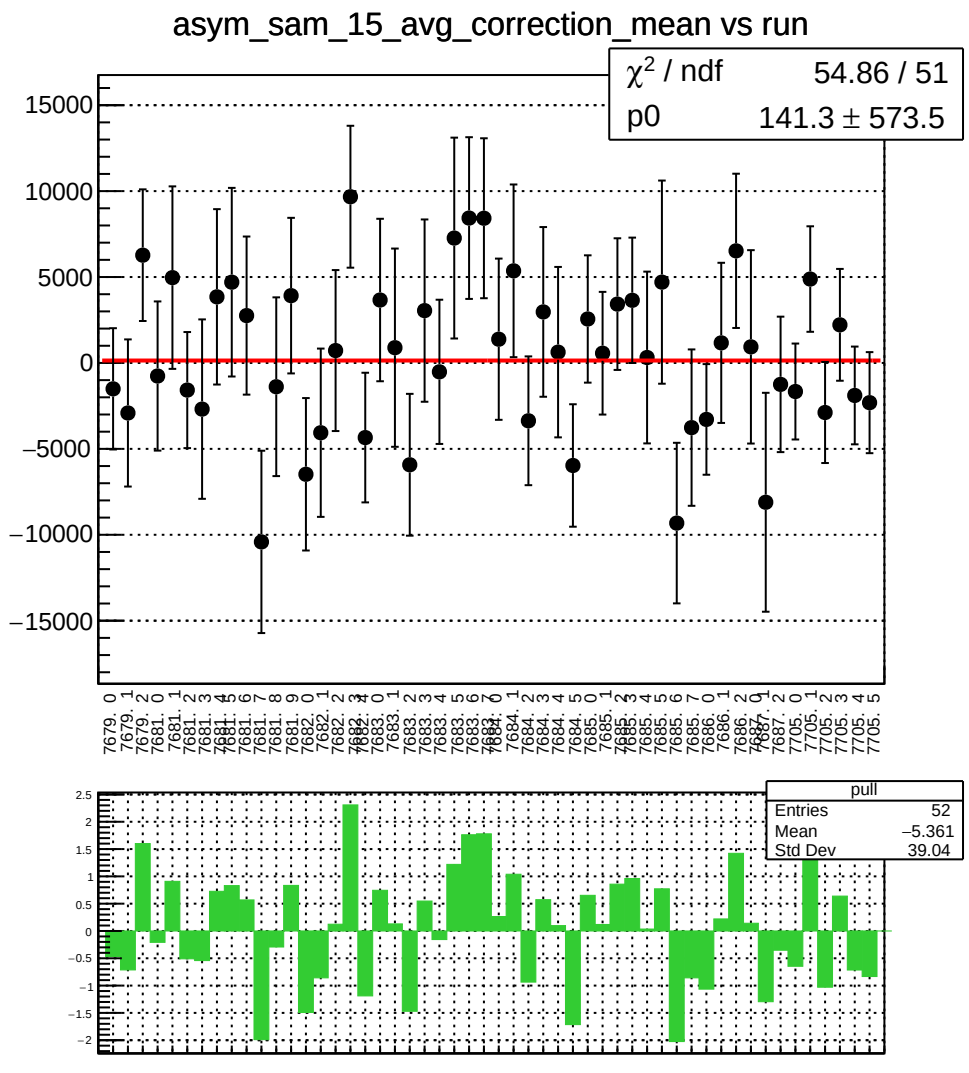

pull1D
Entries 52
Mean −0.01943
Std Dev 0.9732

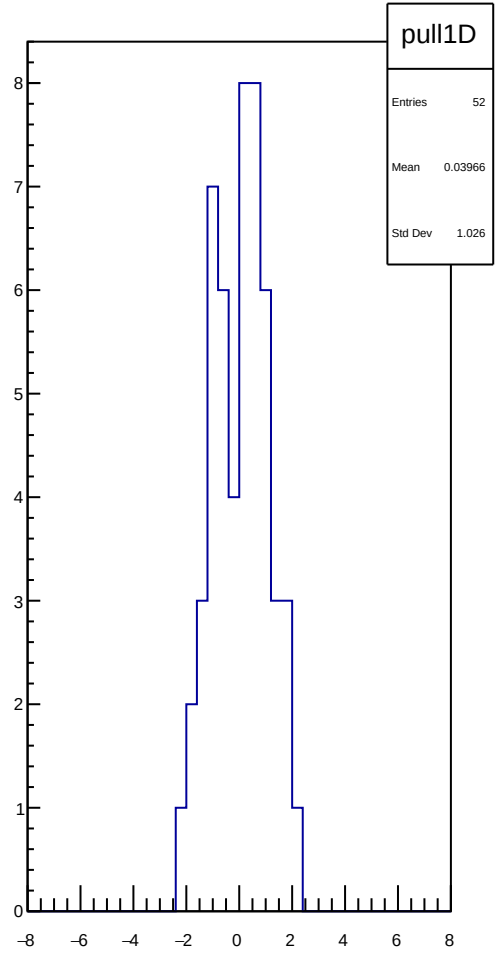

asym_sam8_rms vs run
χ² / ndf 9526 / 51
p0 919.8 ± 0.9303
1050
1000
950
900
850
800
750
700
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

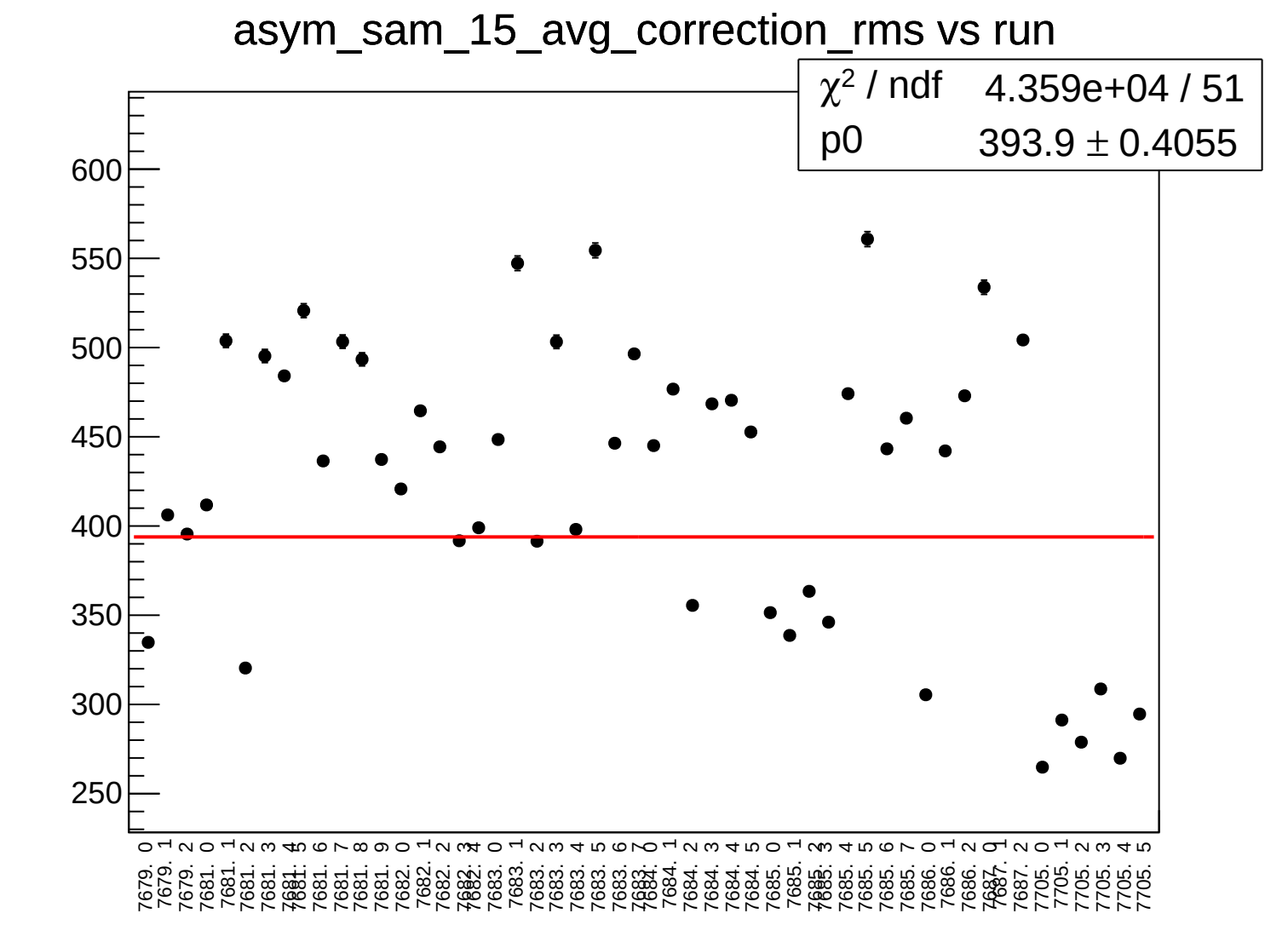

dit_asym_sam_15_avg_mean vs run
χ² / ndf 62.24 / 51
p0 161.8 ± 107.3
pull
Entries 52
Mean −1.078e+04
Std Dev 1.08e+04

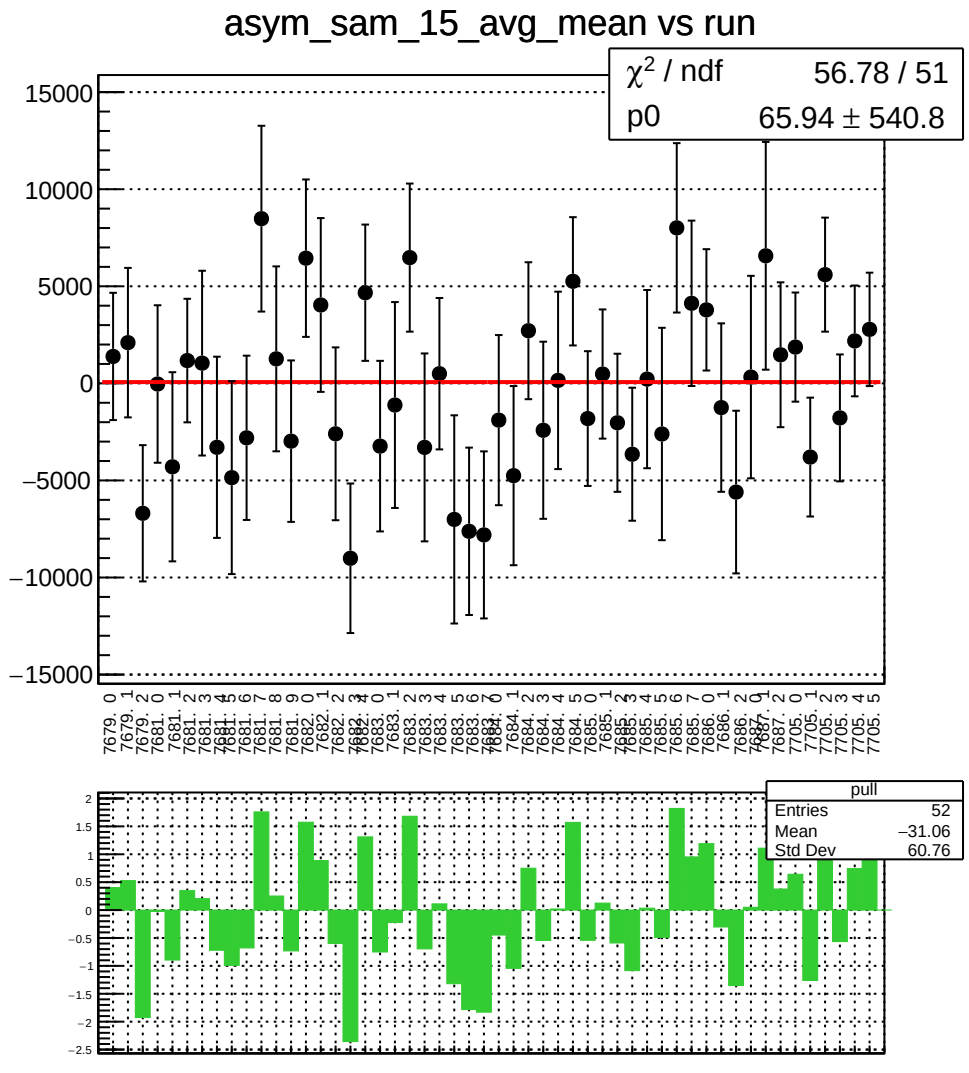

pull1D
Entries 52
Mean −0.000621
Std Dev 1.094

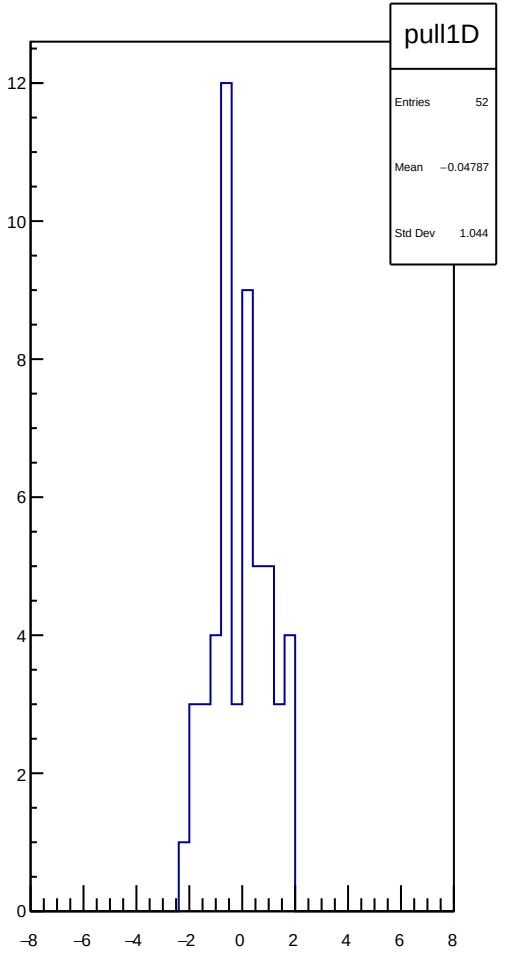

dit_asym_sam_15_avg_rms vs run
χ² / ndf 5680 / 51
p0 75.15 ± 0.07587
100
95
90
85
80
75
70
65
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

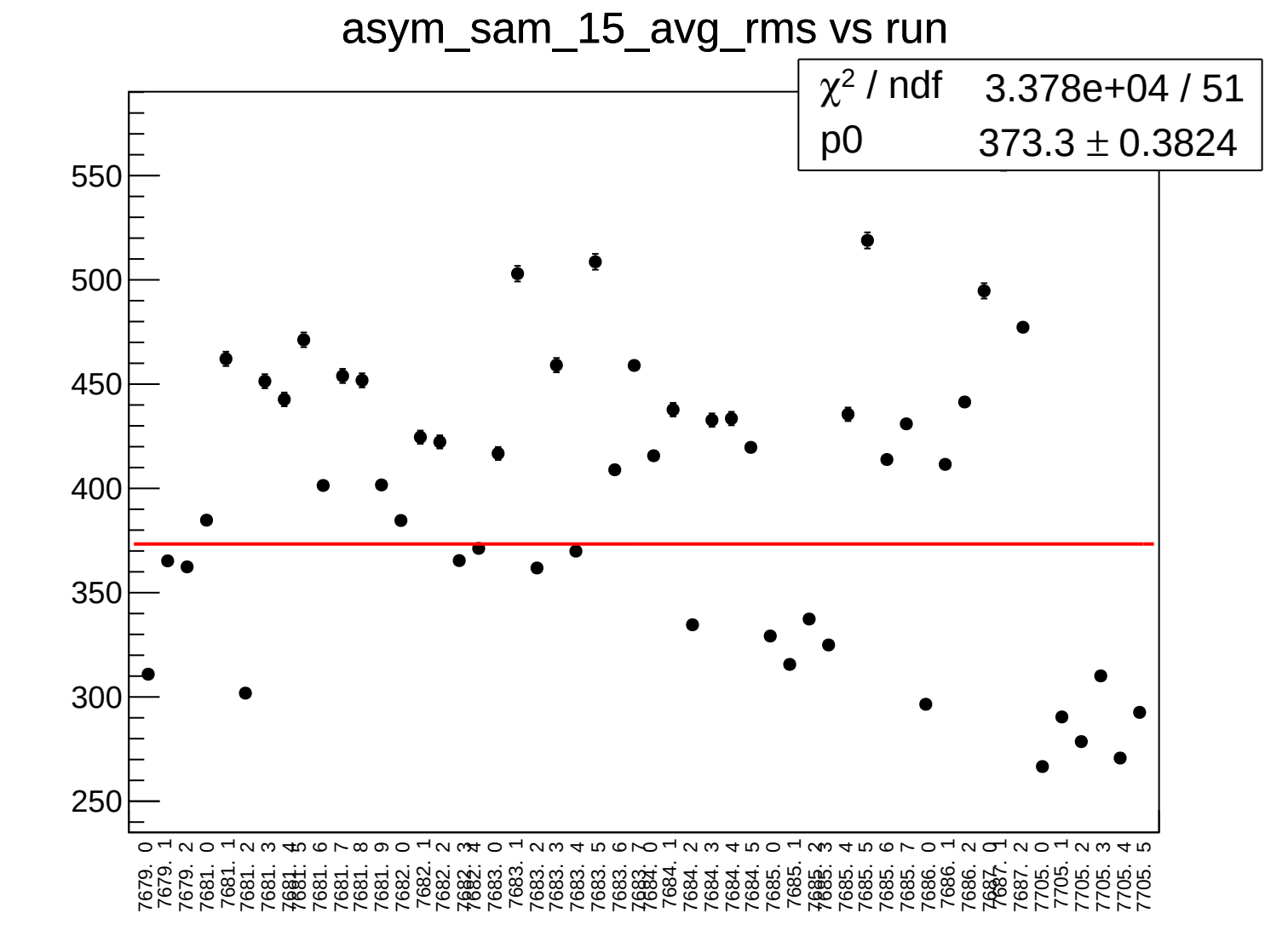

asym_sam_15_avg_correction_mean vs run
χ² / ndf 54.86 / 51
p0 141.3 ± 573.5
pull
Entries 52
Mean −5.361
Std Dev 39.04

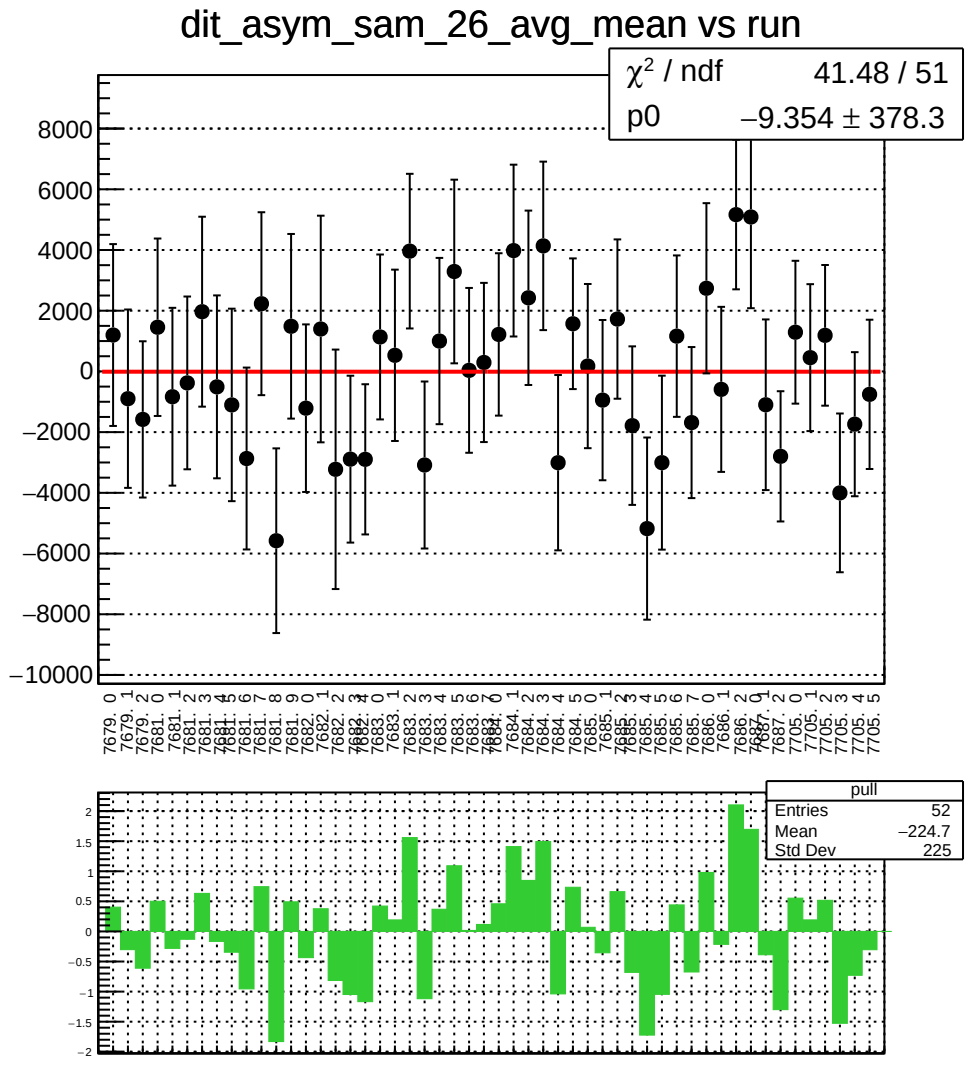

pull1D
Entries 52
Mean 0.03966
Std Dev 1.026

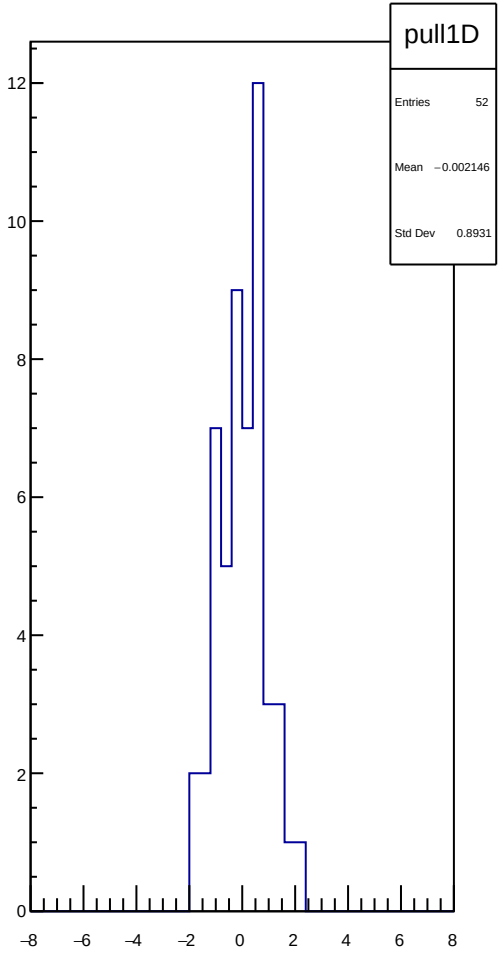

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 4.359e+04 / 51
p0 393.9 ± 0.4055
600
550
500
450
400
350
300
250
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

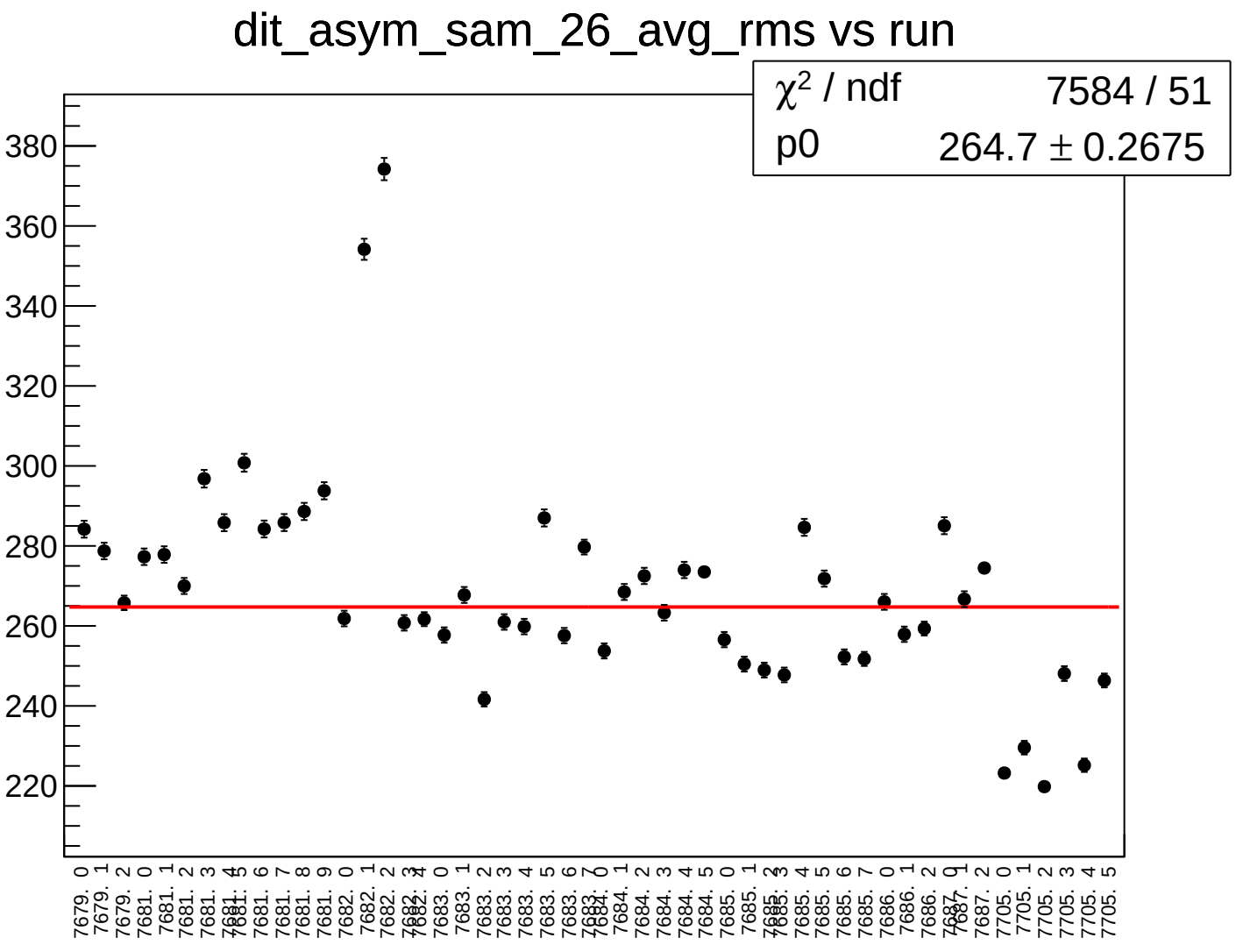

asym_sam_15_avg_mean vs run
χ² / ndf 56.78 / 51
p0 65.94 ± 540.8
pull
Entries 52
Mean −31.06
Std Dev 60.76

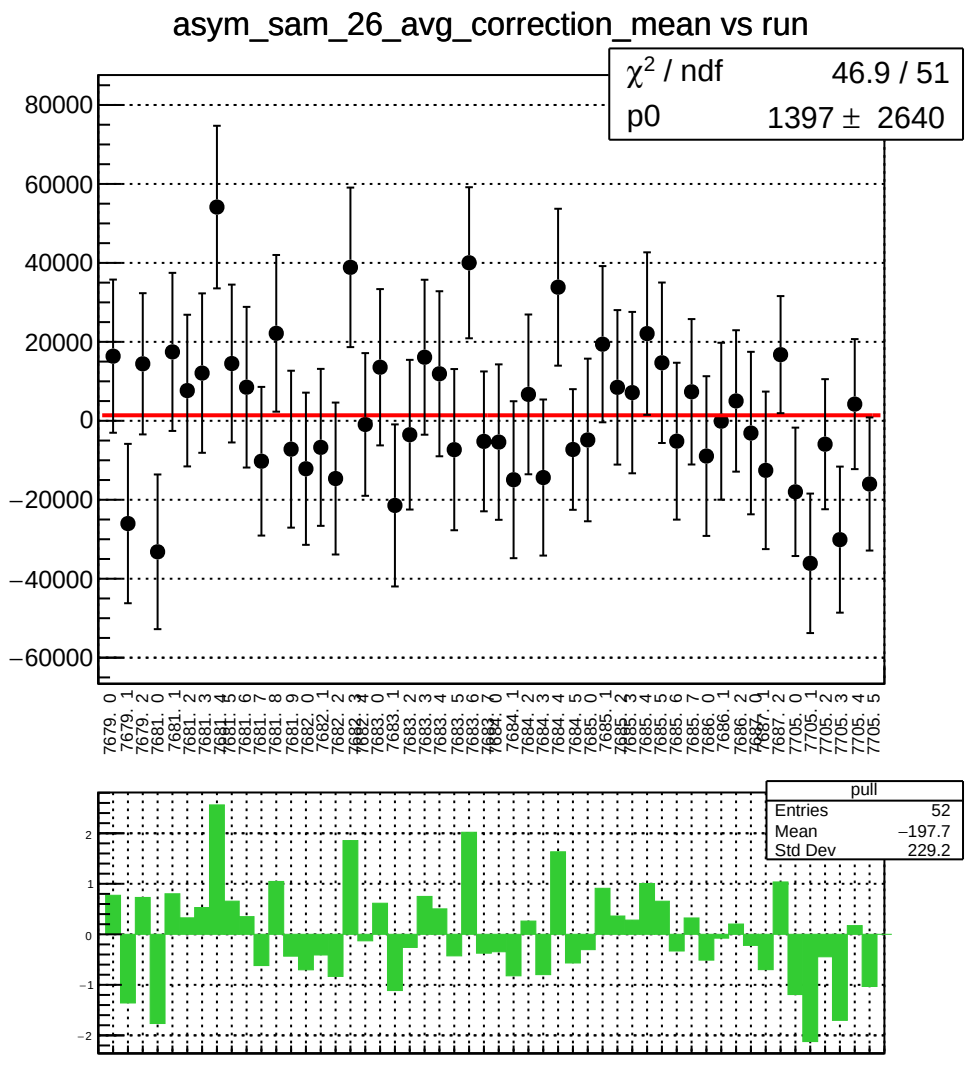

pull1D
Entries 52
Mean −0.04787
Std Dev 1.044

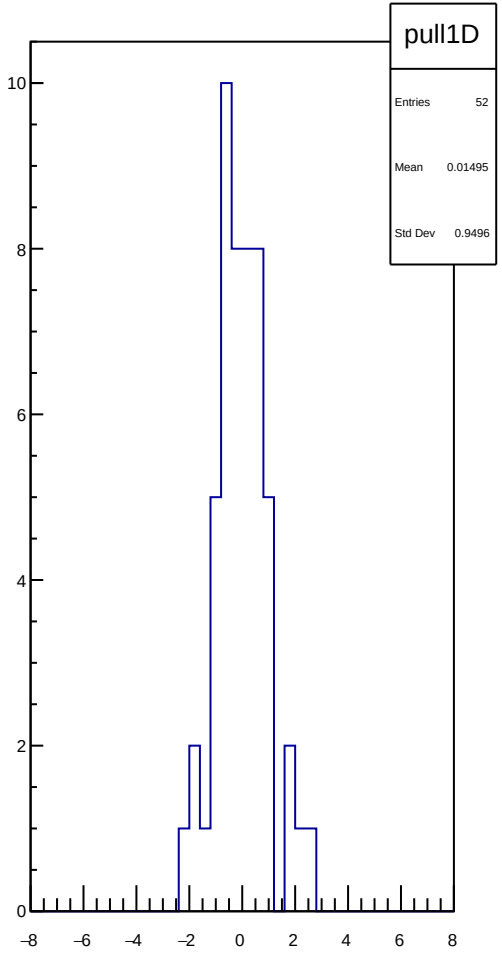

asym_sam_15_avg_rms vs run
χ^2 / ndf 3.378e+04 / 51
p0 373.3 ± 0.3824
550
500
450
400
350
300
250
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

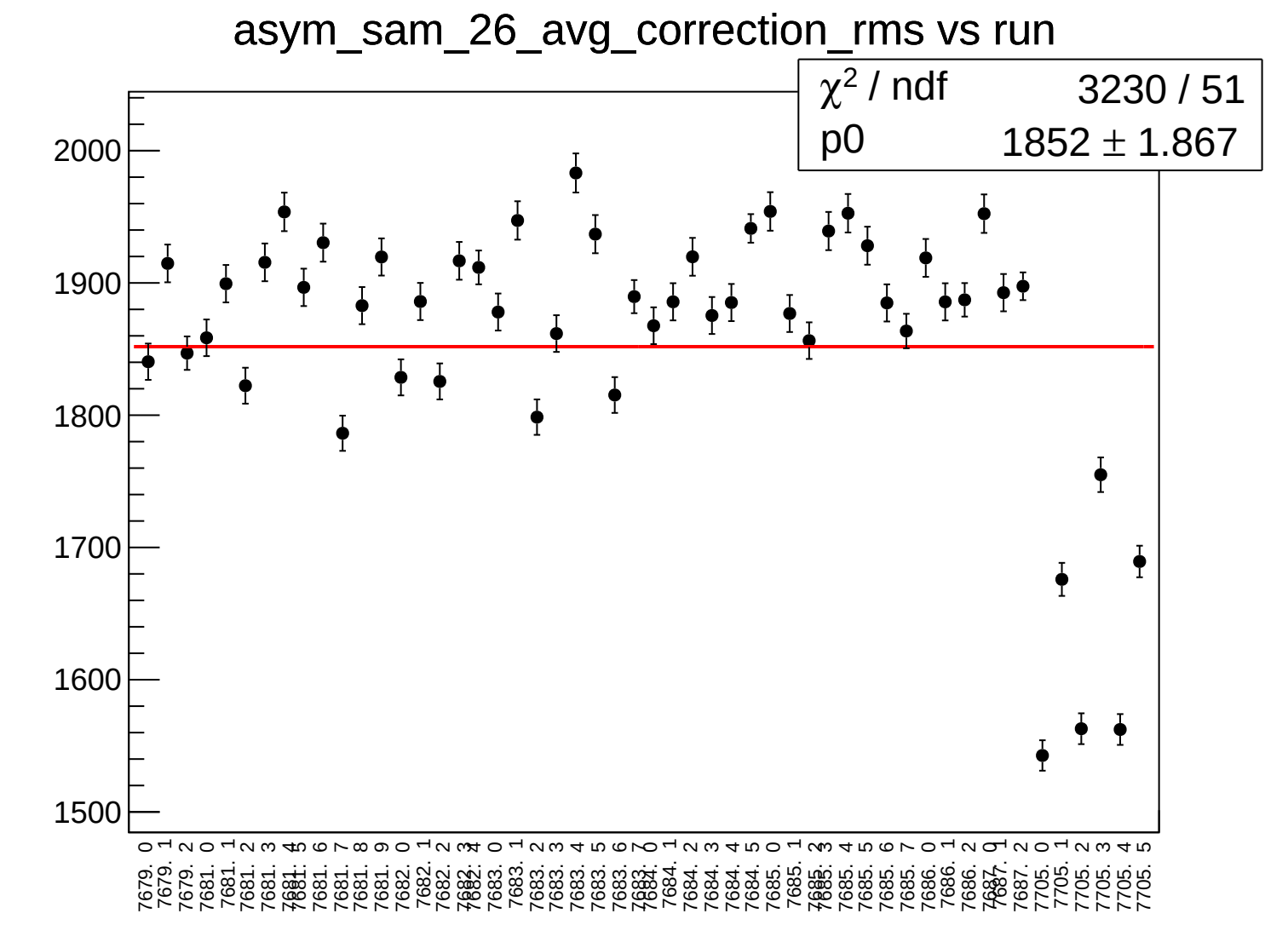

dit_asym_sam_26_avg_mean vs run
χ² / ndf 41.48 / 51
p0 −9.354 ± 378.3
pull
Entries 52
Mean −224.7
Std Dev 225

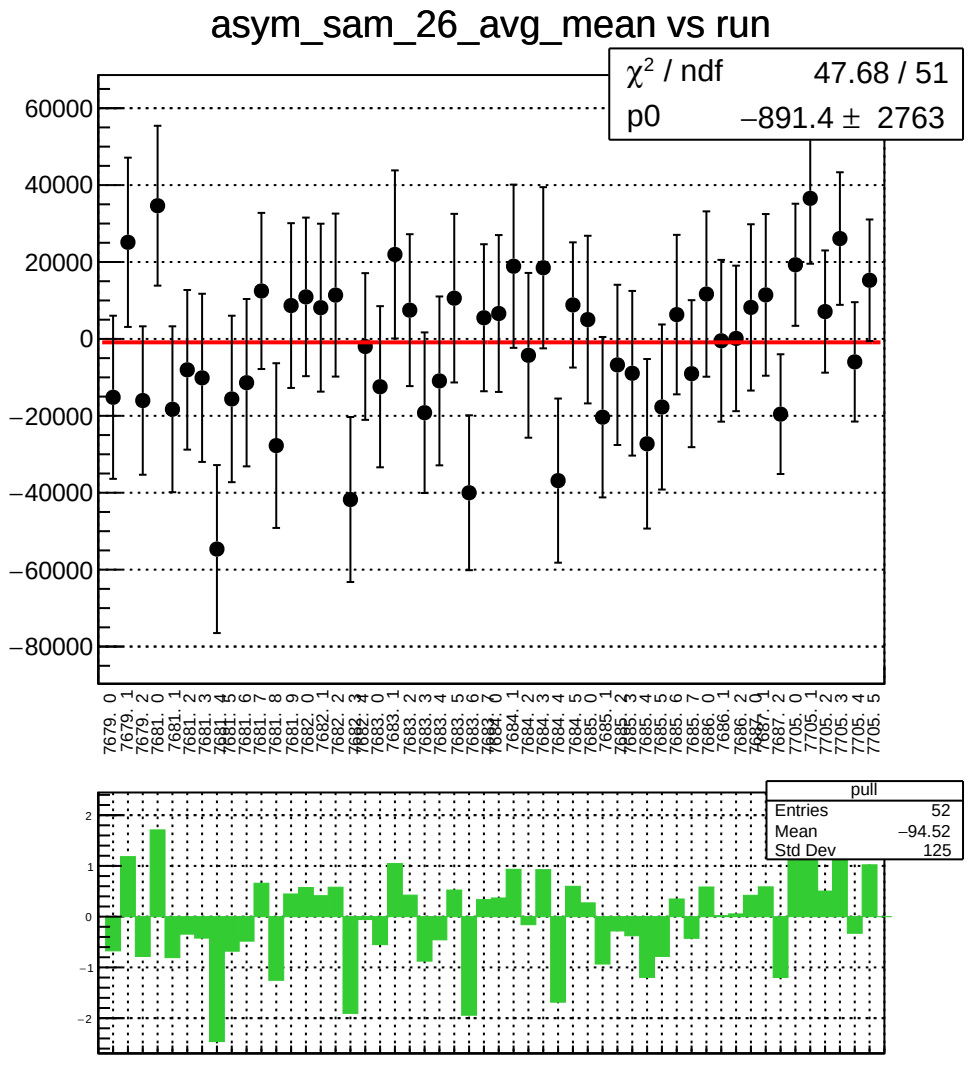

pull1D
Entries 52
Mean −0.002146
Std Dev 0.8931

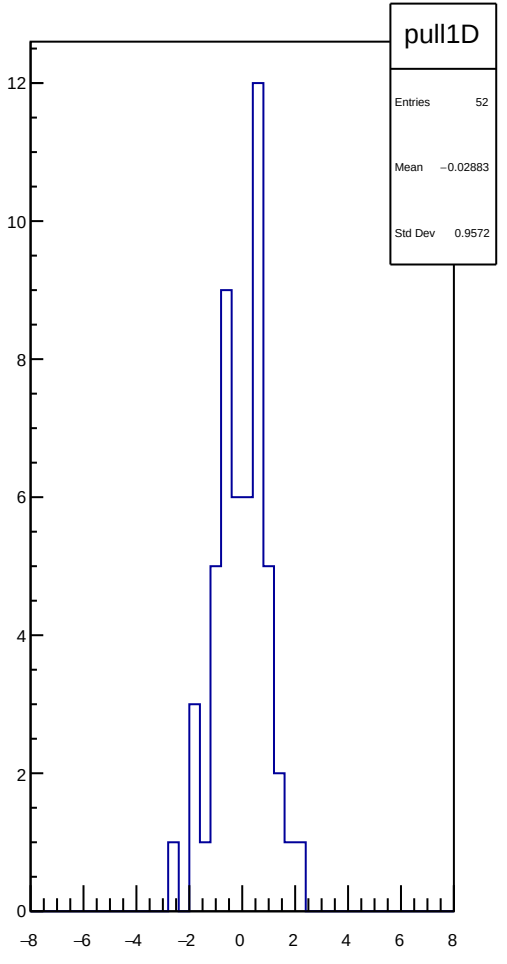

dit_asym_sam_26_avg_rms vs run
χ² / ndf 7584 / 51
p0 264.7 ± 0.2675
380
360
340
320
300
280
260
240
220
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

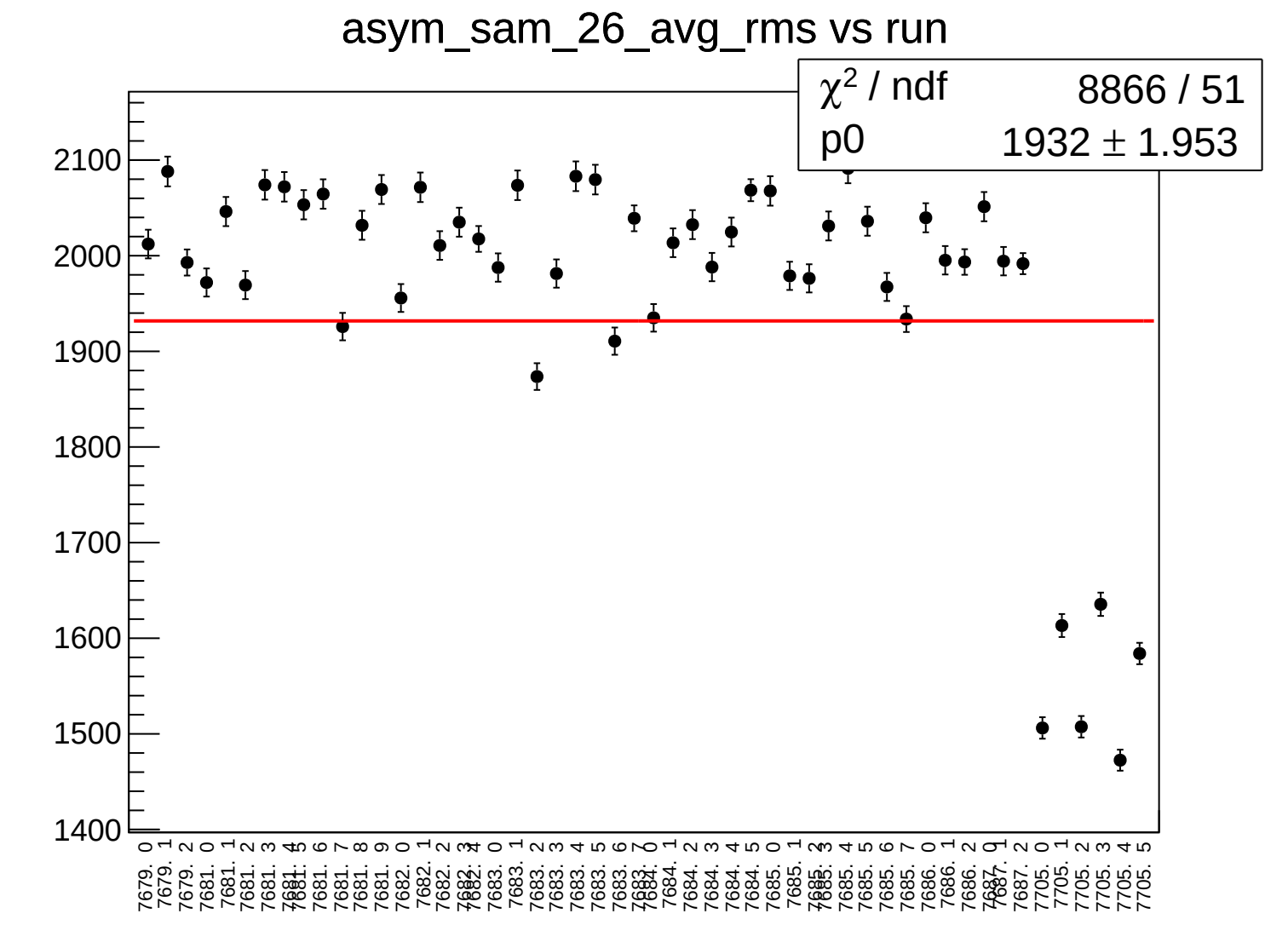

asym_sam_26_avg_correction_mean vs run
χ² / ndf 46.9 / 51
p0 1397 ± 2640
pull
Entries 52
Mean −197.7
Std Dev 229.2

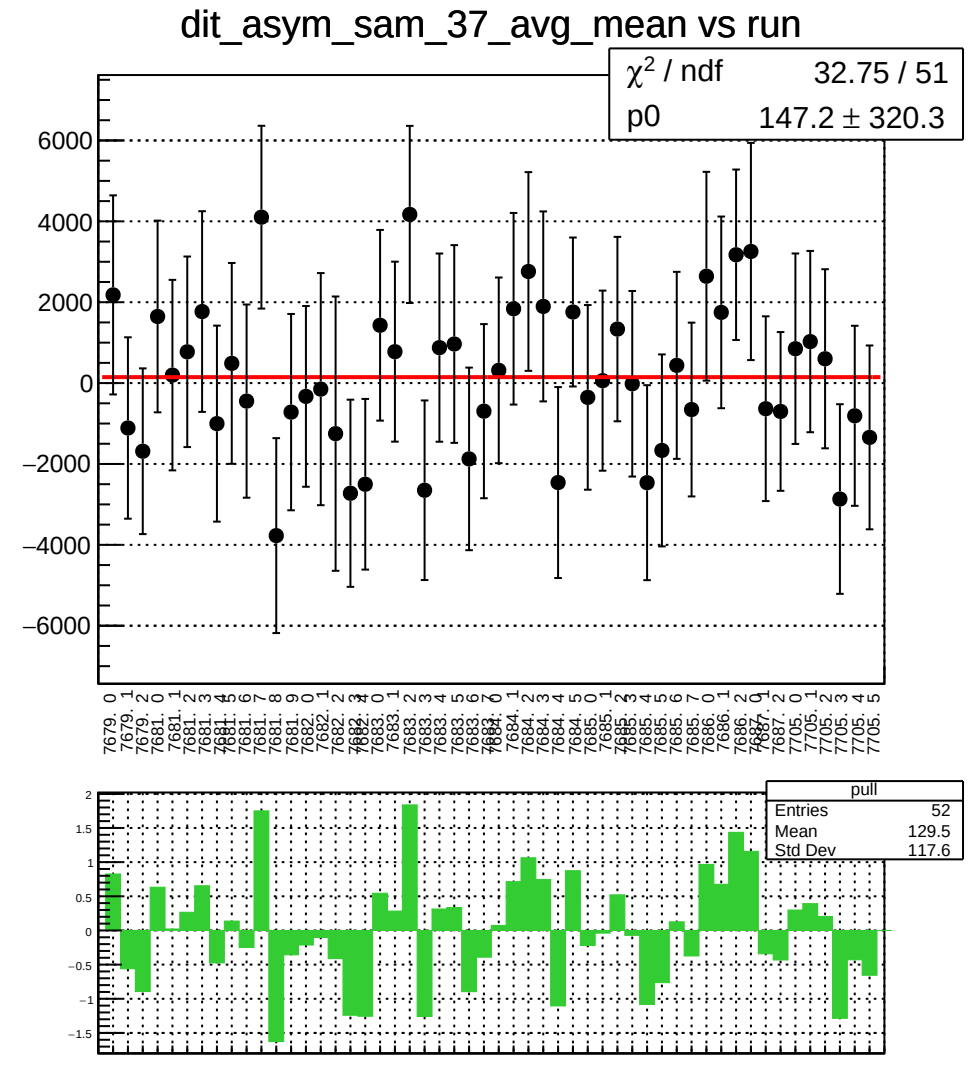

pull1D
Entries 52
Mean 0.01495
Std Dev 0.9496

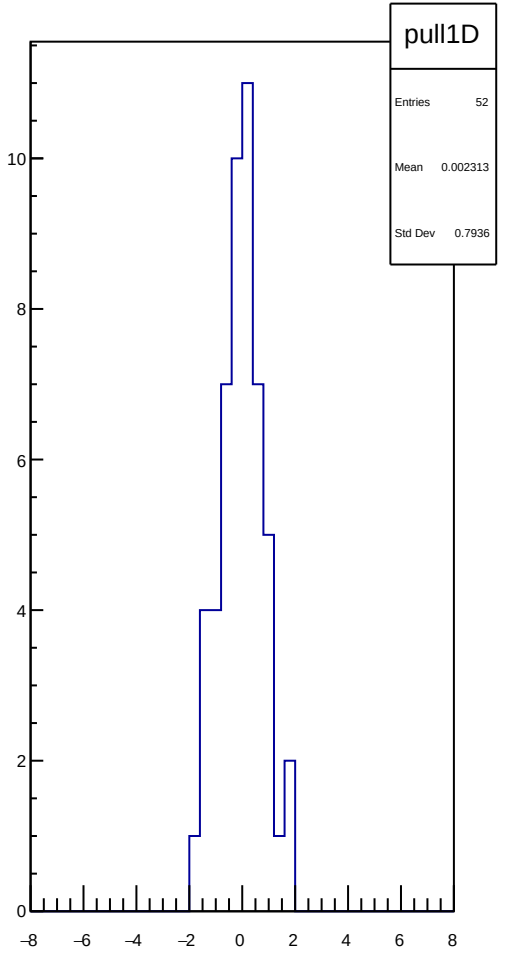

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3230 / 51
p0 1852 ± 1.867
2000
1900
1800
1700
1600
1500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

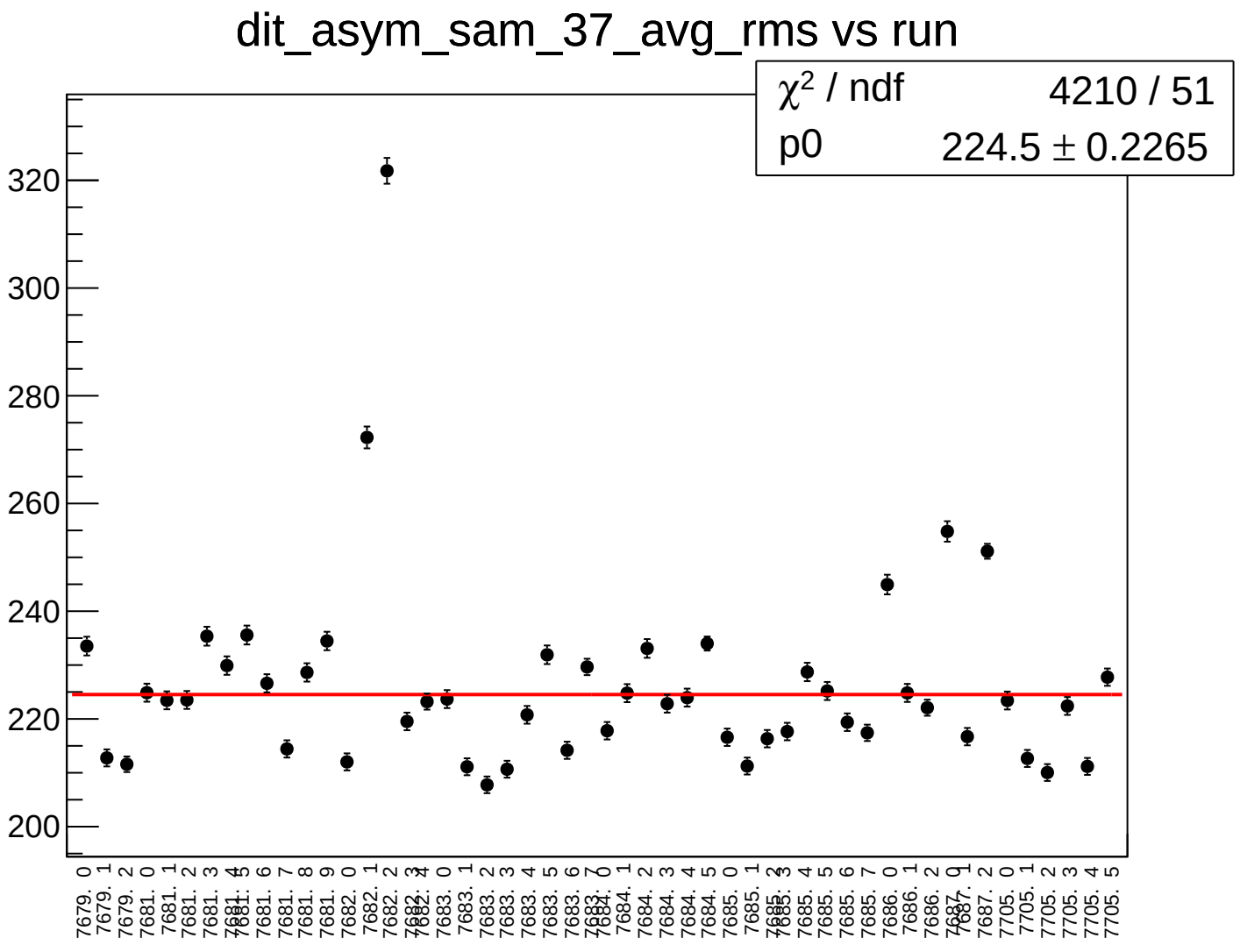

asym_sam_26_avg_mean vs run
χ² / ndf 47.68 / 51
p0 −891.4 ± 2763
pull
Entries 52
Mean −94.52
Std Dev 125

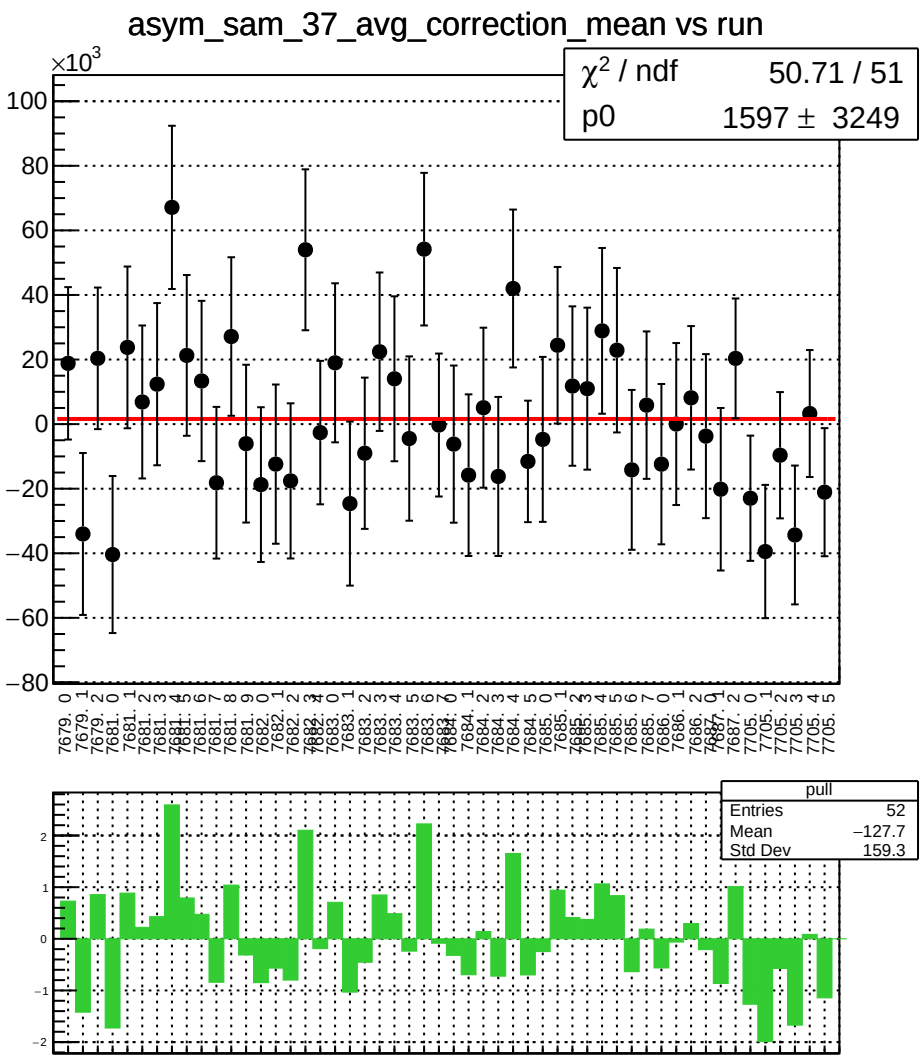

pull1D
Entries 52
Mean −0.02883
Std Dev 0.9572

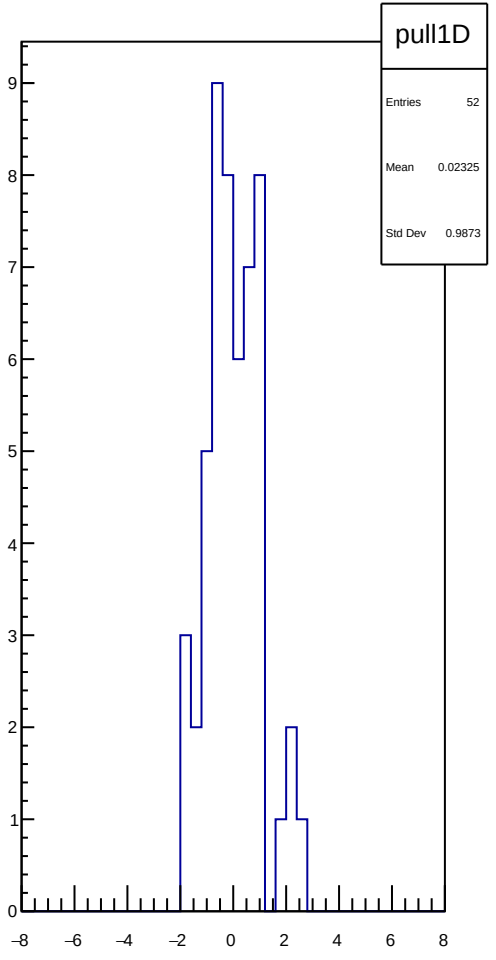

asym_sam_26_avg_rms vs run
χ² / ndf 8866 / 51
p0 1932 ± 1.953
2100
2000
1900
1800
1700
1600
1500
1400
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

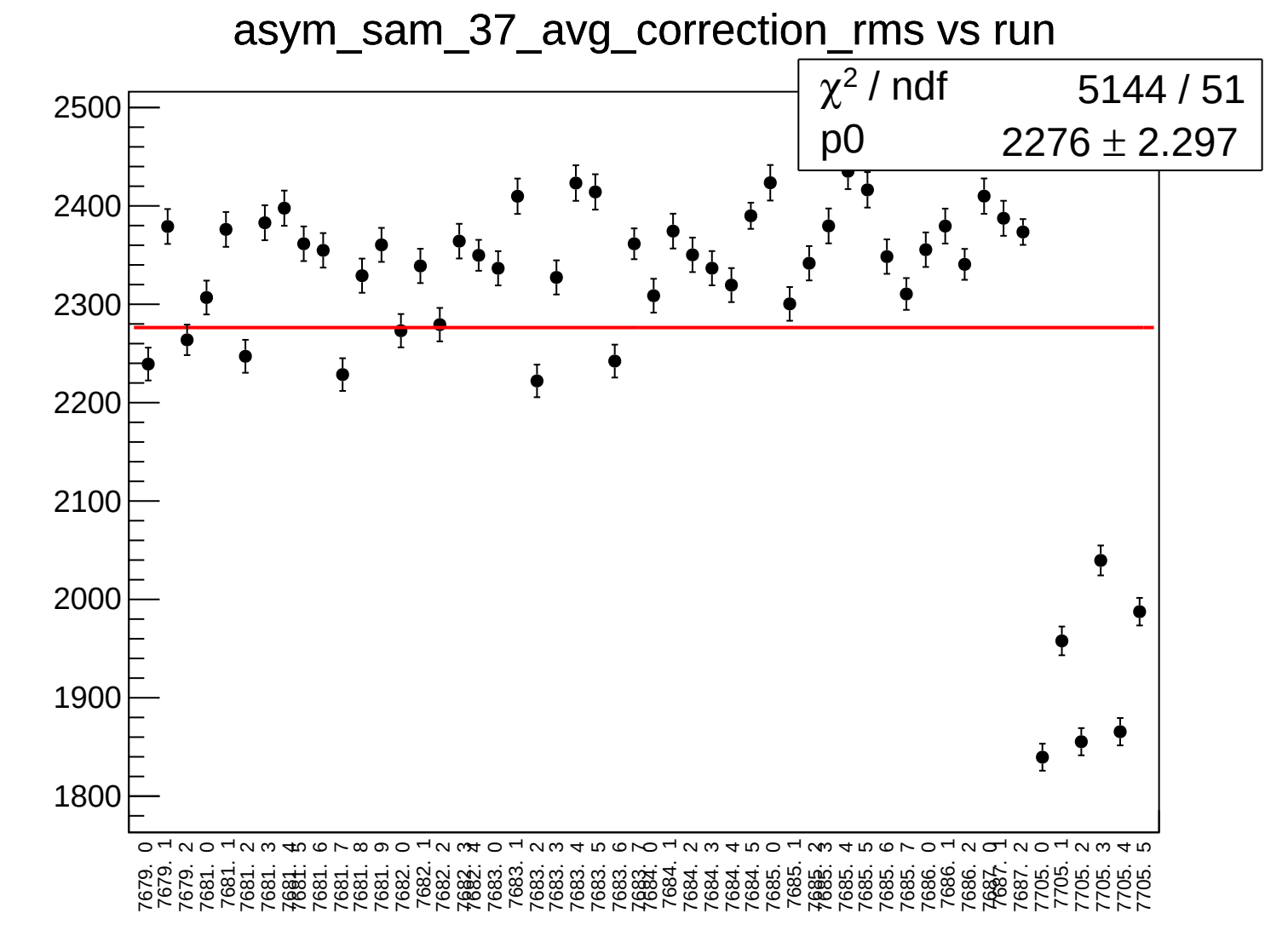

dit_asym_sam_37_avg_mean vs run
χ² / ndf 32.75 / 51
p0 147.2 ± 320.3
6000
4000
2000
0
−2000
−4000
−6000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 4
7681. 5
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7683. 7
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 3
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5
pull
Entries 52
Mean 129.5
Std Dev 117.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

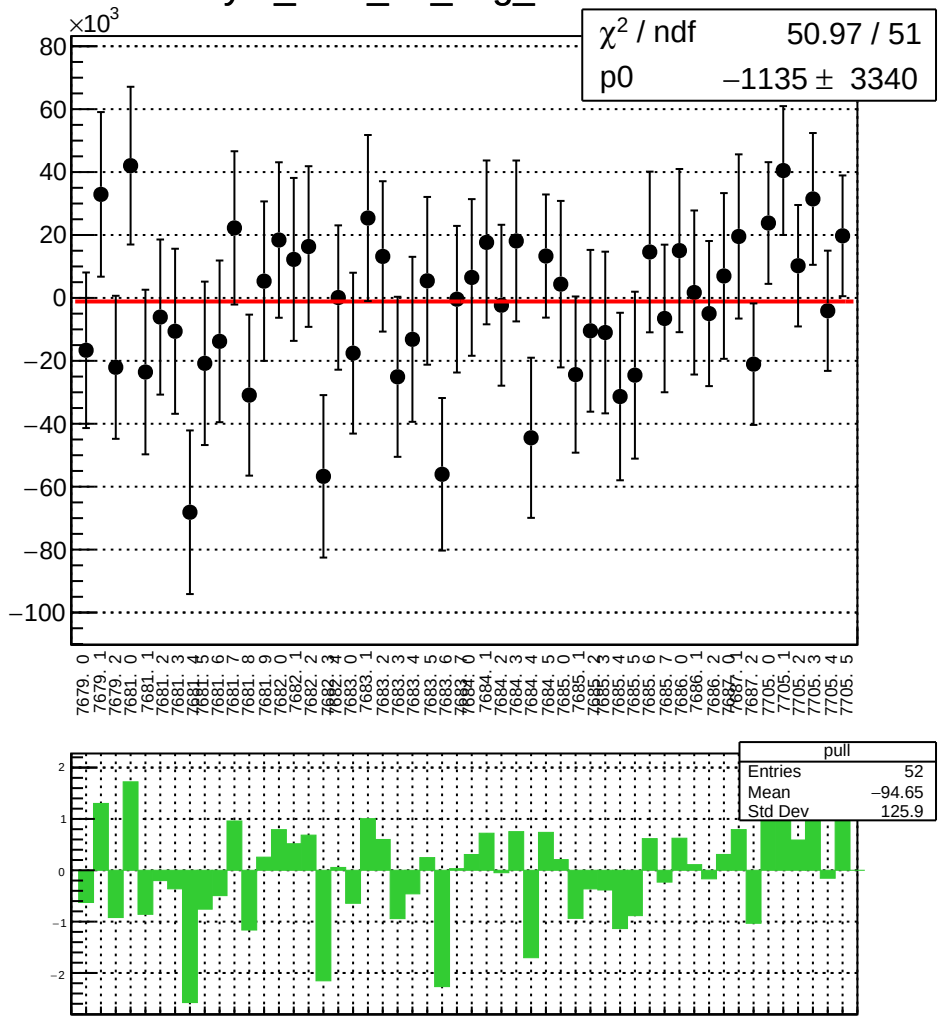

pull1D
Entries 52
Mean 0.002313
Std Dev 0.7936
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

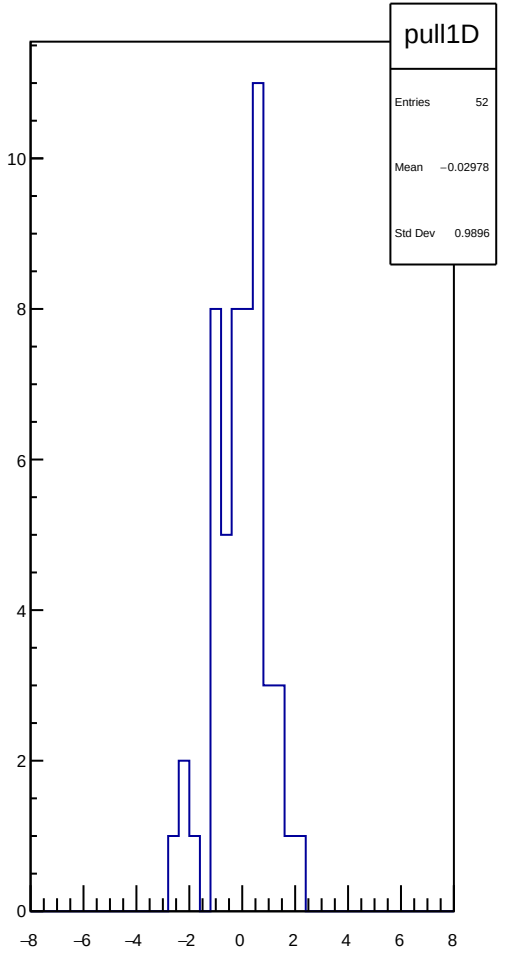

dit_asym_sam_37_avg_rms vs run
χ² / ndf 4210 / 51
p0 224.5 ± 0.2265
320
300
280
260
240
220
200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

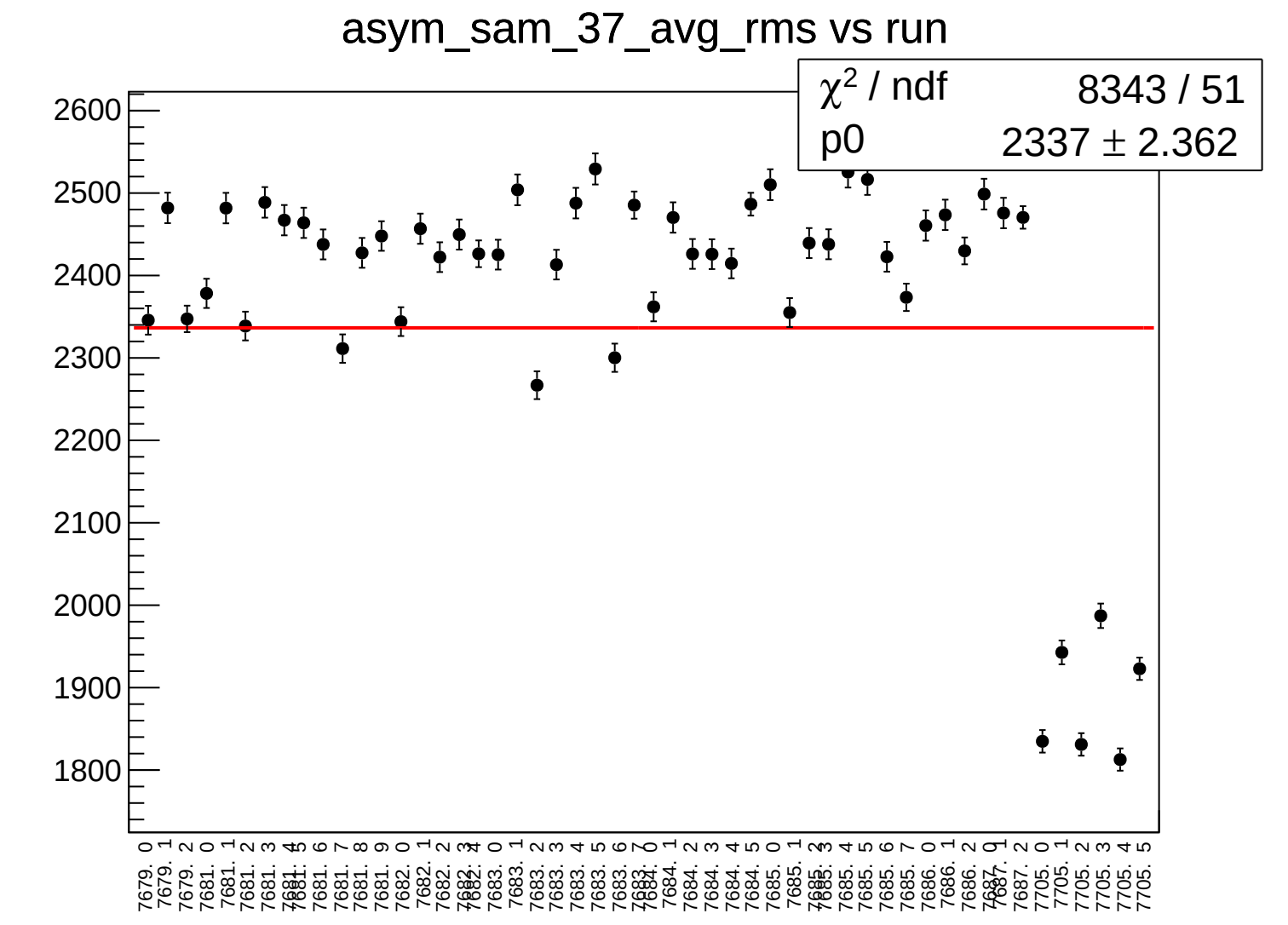

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 50.71 / 51
p0 1597 ± 3249
pull
Entries 52
Mean −127.7
Std Dev 159.3

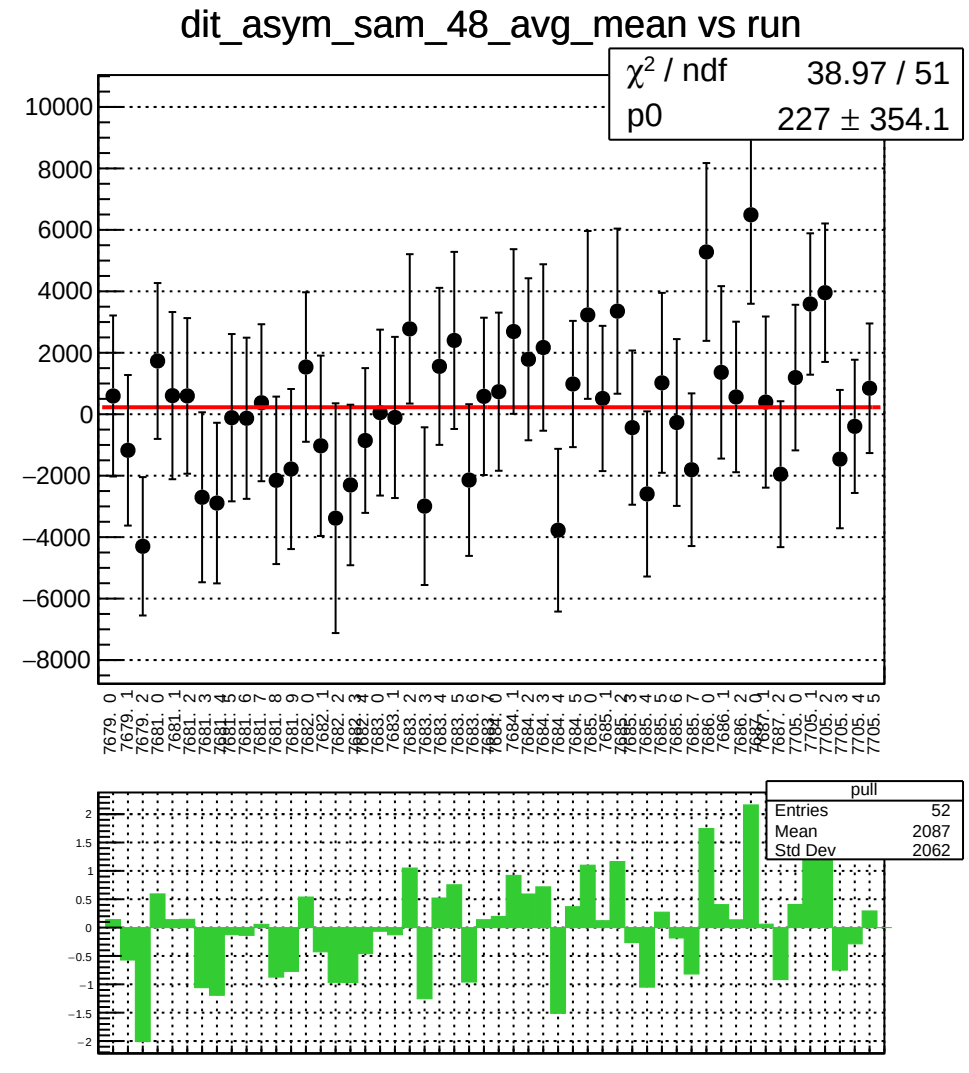

pull1D
Entries 52
Mean 0.02325
Std Dev 0.9873

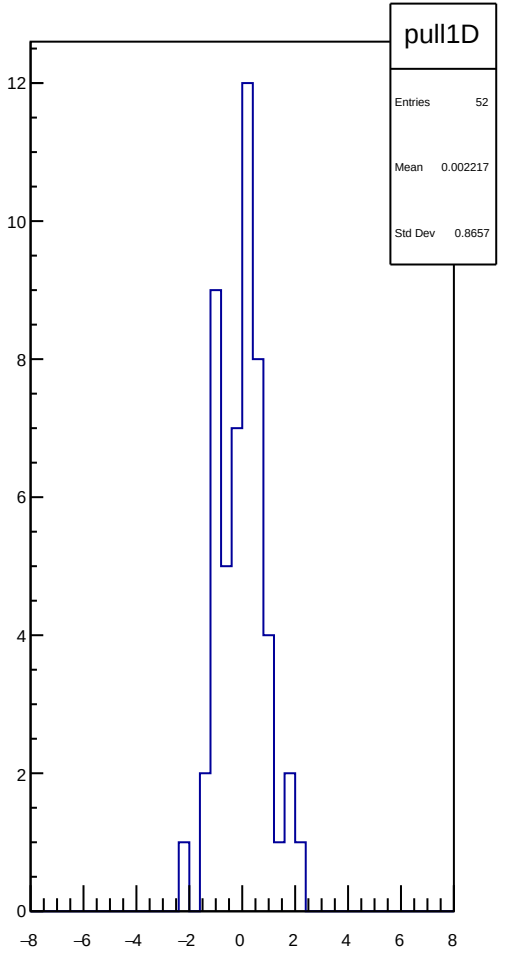

asym_sam_37_avg_correction_rms vs run
χ² / ndf 5144 / 51
p0 2276 ± 2.297
2500
2400
2300
2200
2100
2000
1900
1800

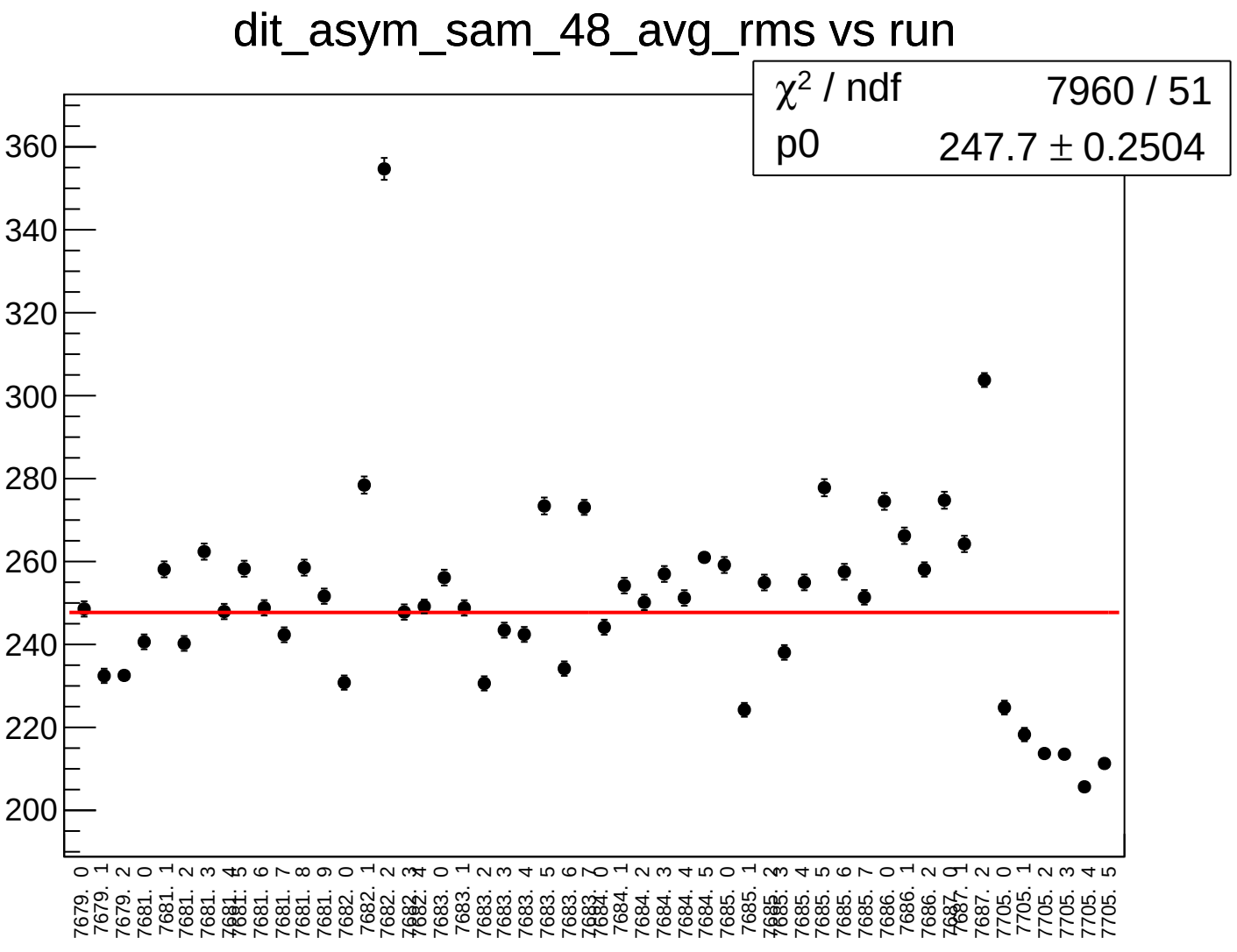

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 50.97 / 51
p0 −1135 ± 3340
pull
Entries 52
Mean −94.65
Std Dev 125.9

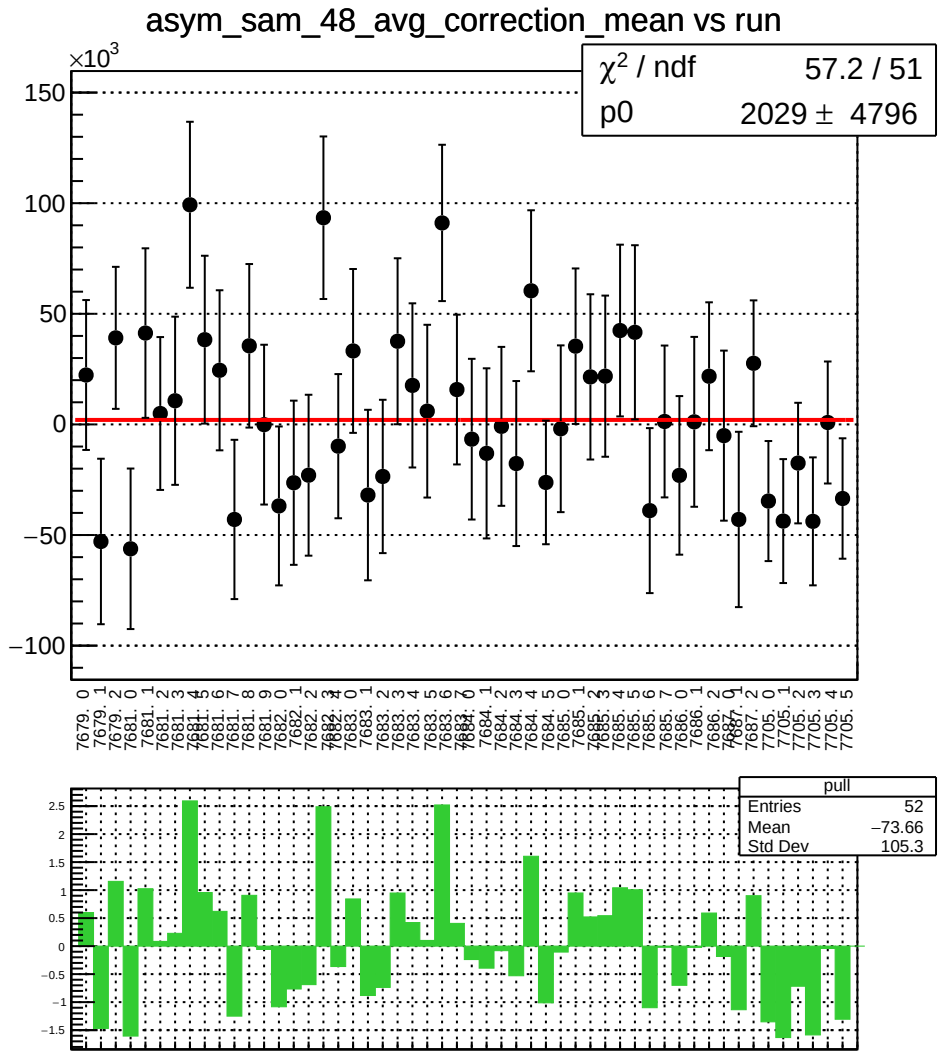

pull1D
Entries 52
Mean −0.02978
Std Dev 0.9896

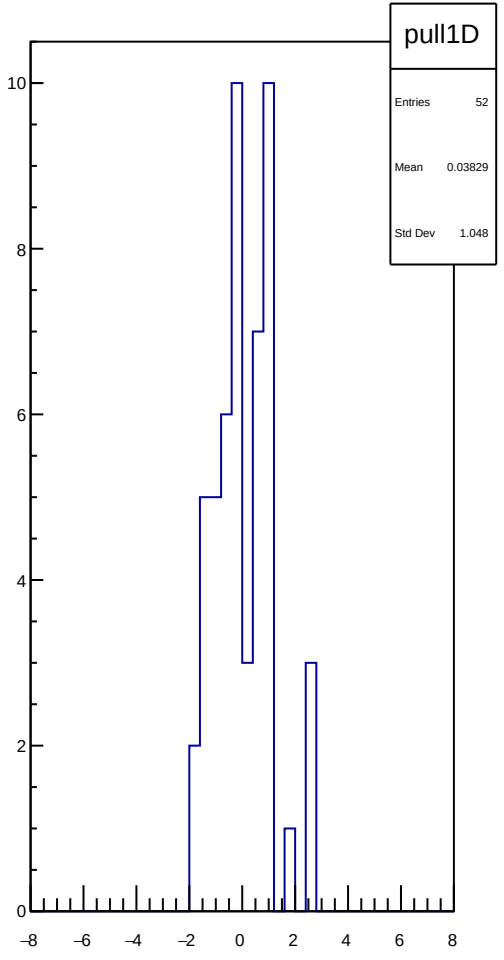

asym_sam_37_avg_rms vs run
χ² / ndf 8343 / 51
p0 2337 ± 2.362
2600
2500
2400
2300
2200
2100
2000
1900
1800
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

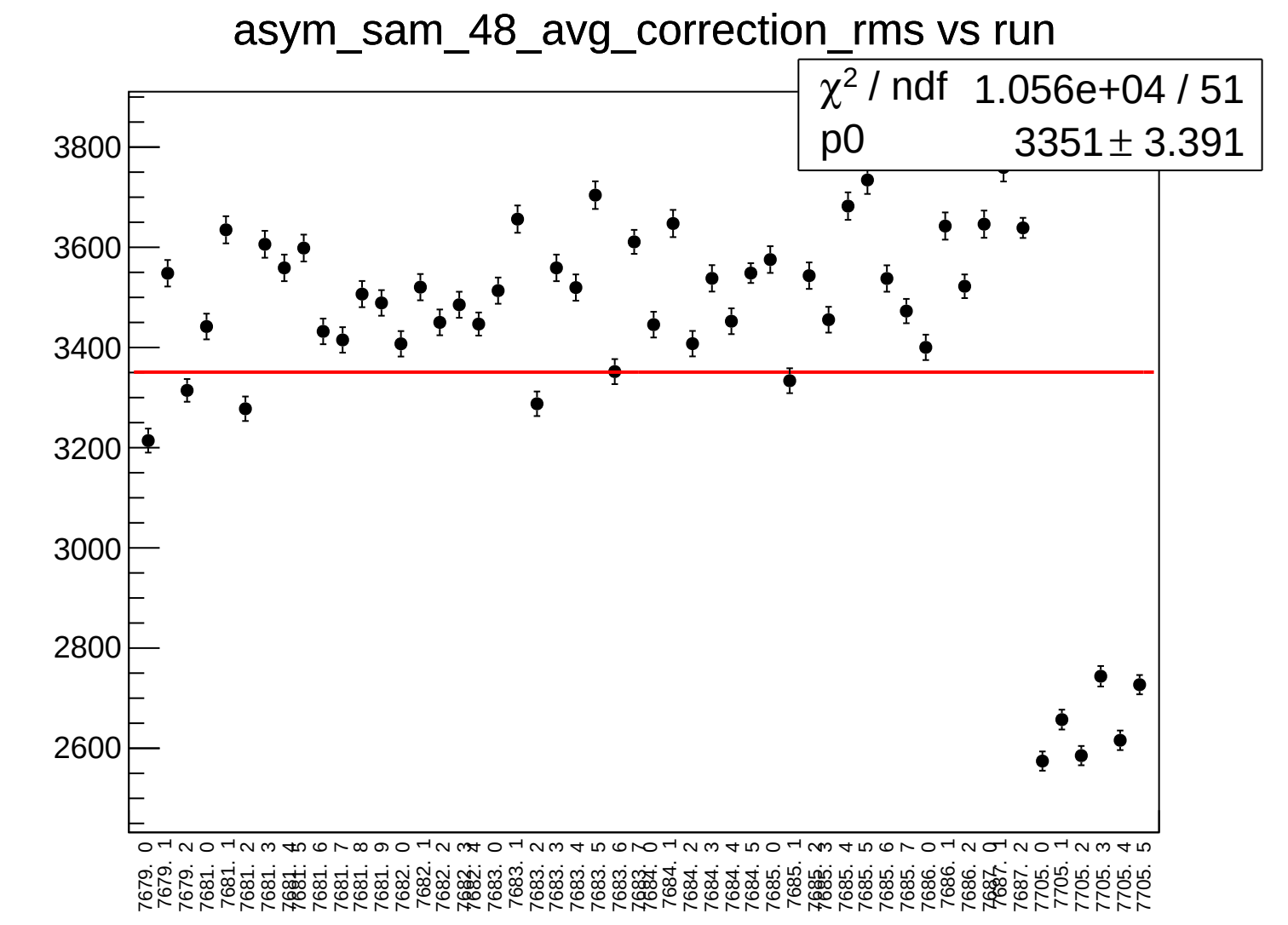

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 38.97 / 51
p0 227 ± 354.1
pull
Entries 52
Mean 2087
Std Dev 2062

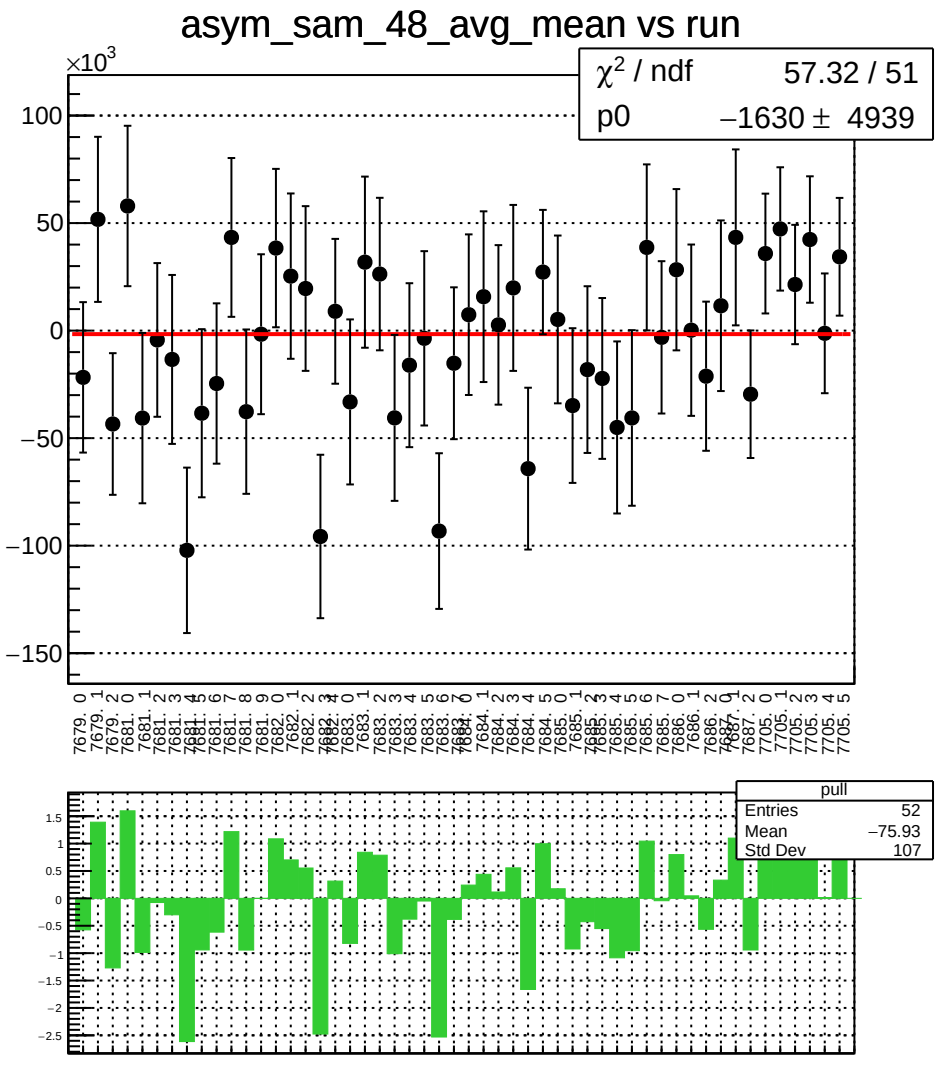

pull1D
Entries 52
Mean 0.002217
Std Dev 0.8657

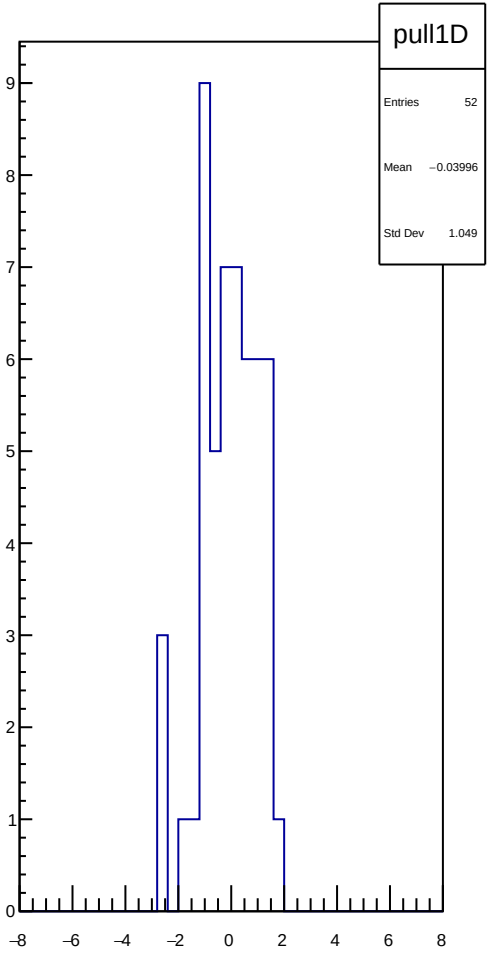

dit_asym_sam_48_avg_rms vs run
χ² / ndf 7960 / 51
p0 247.7 ± 0.2504
360
340
320
300
280
260
240
220
200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

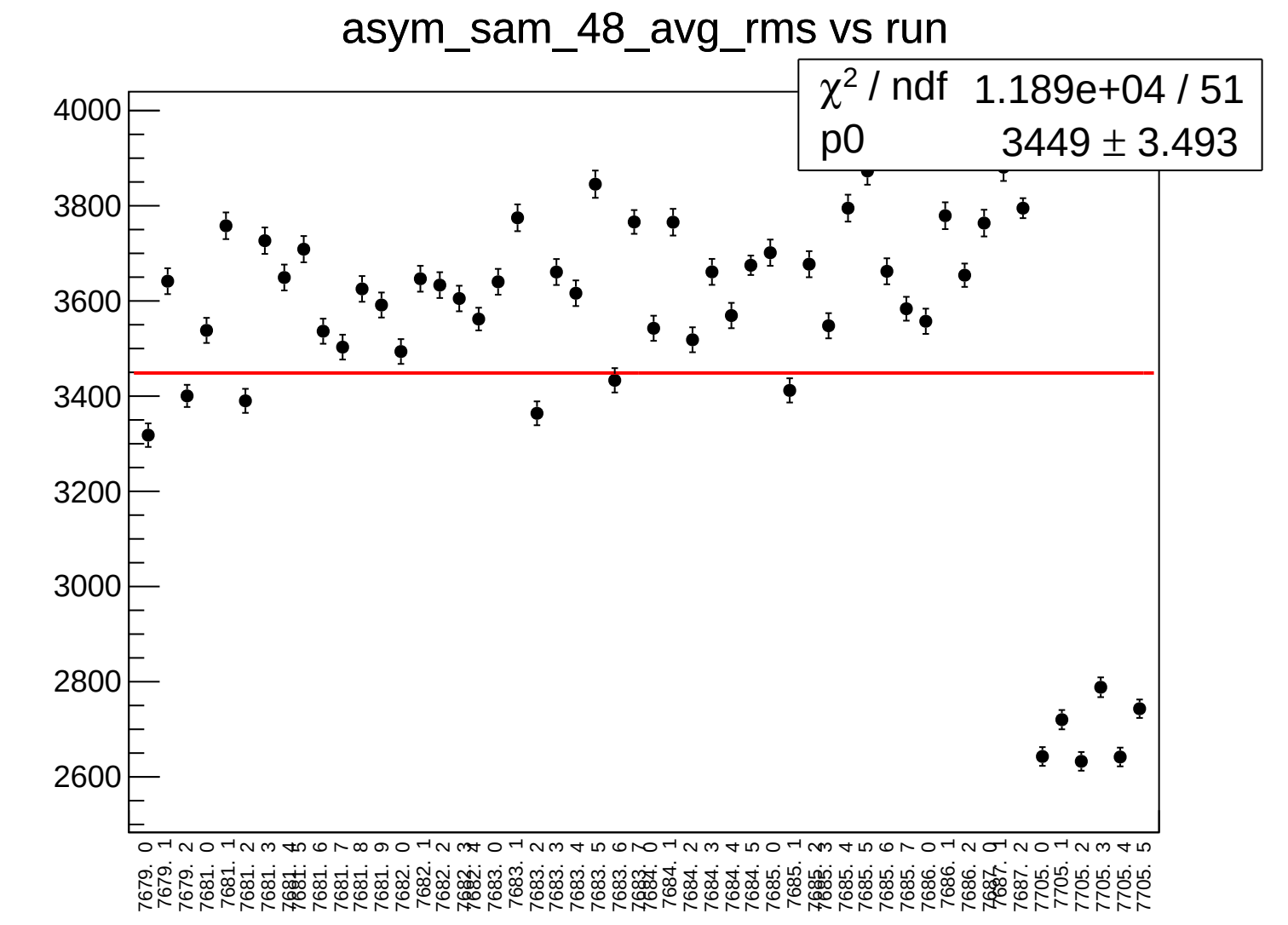

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 57.2 / 51
p0 2029 ± 4796
150
100
50
0
−50
−100
pull
Entries 52
Mean −73.66
Std Dev 105.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

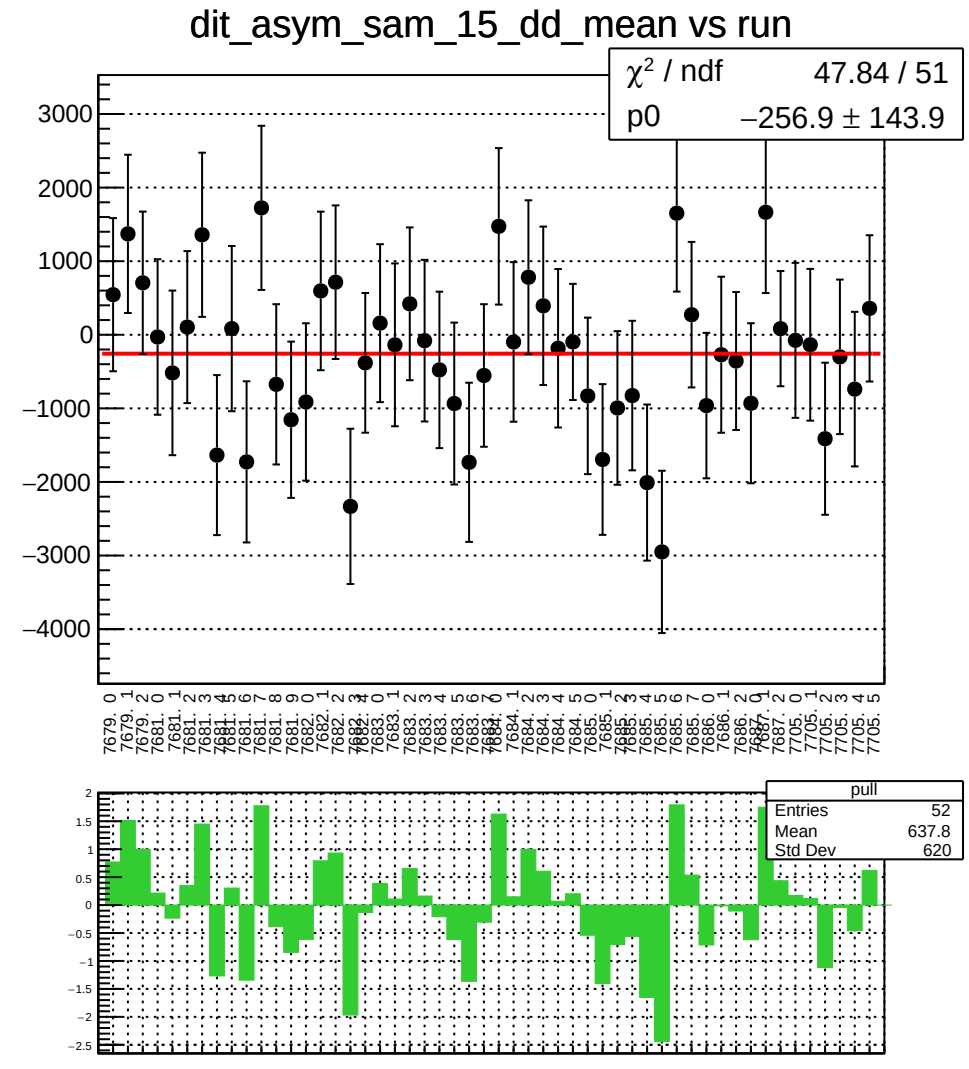

pull1D
Entries 52
Mean 0.03829
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

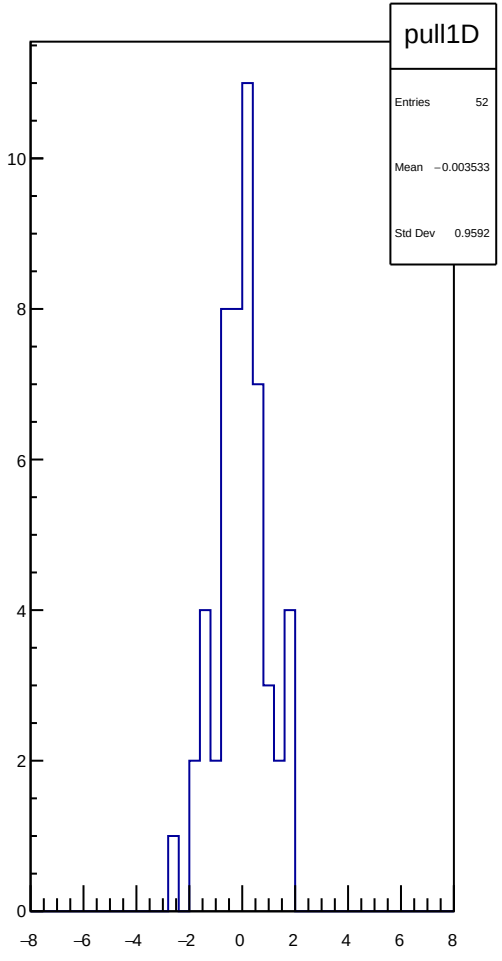

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.056e+04 / 51
p0 3351 ± 3.391
3800
3600
3400
3200
3000
2800
2600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

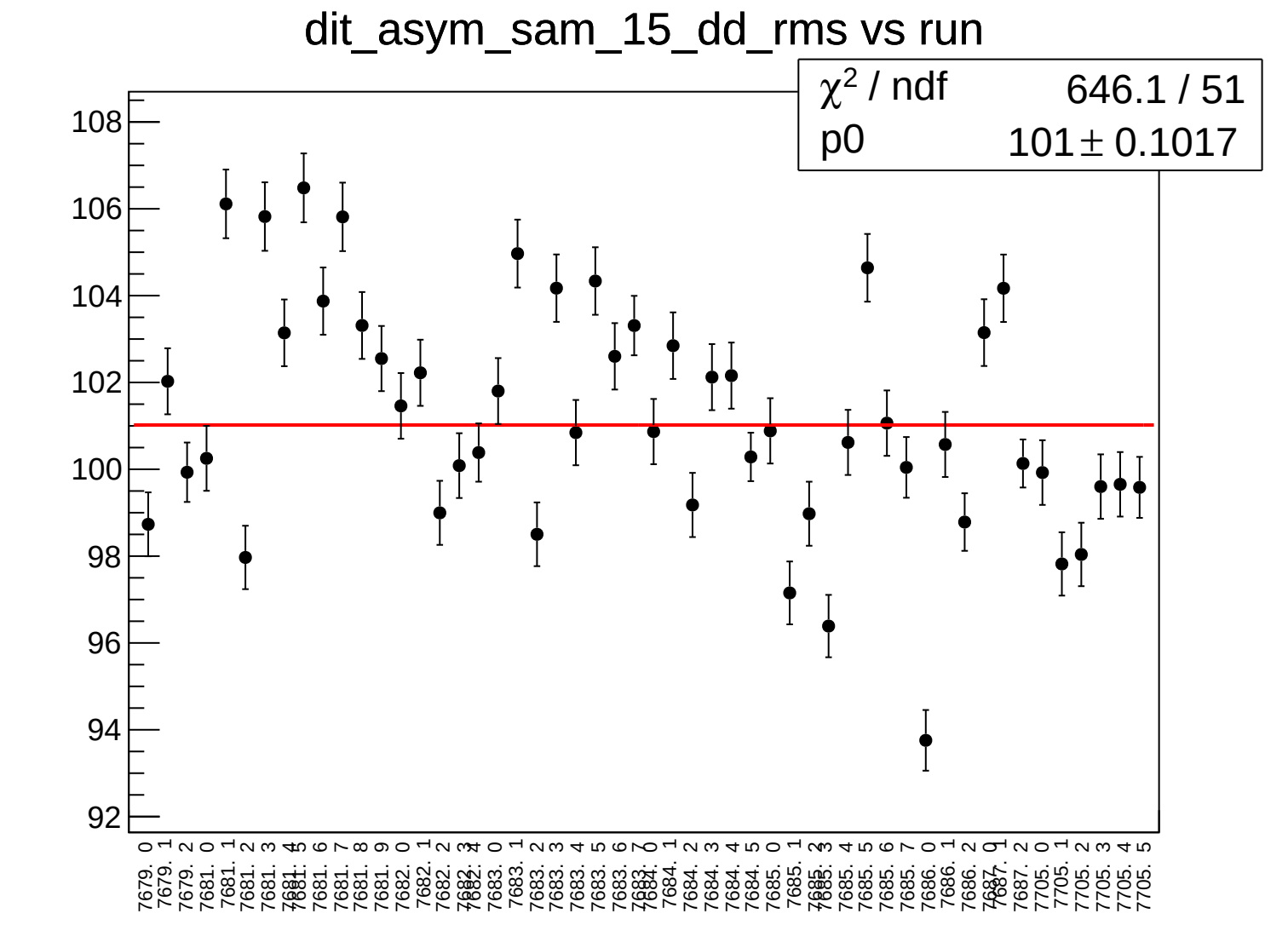

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 57.32 / 51
p0 −1630 ± 4939
100
50
0
−50
−100
−150
pull
Entries 52
Mean −75.93
Std Dev 107
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

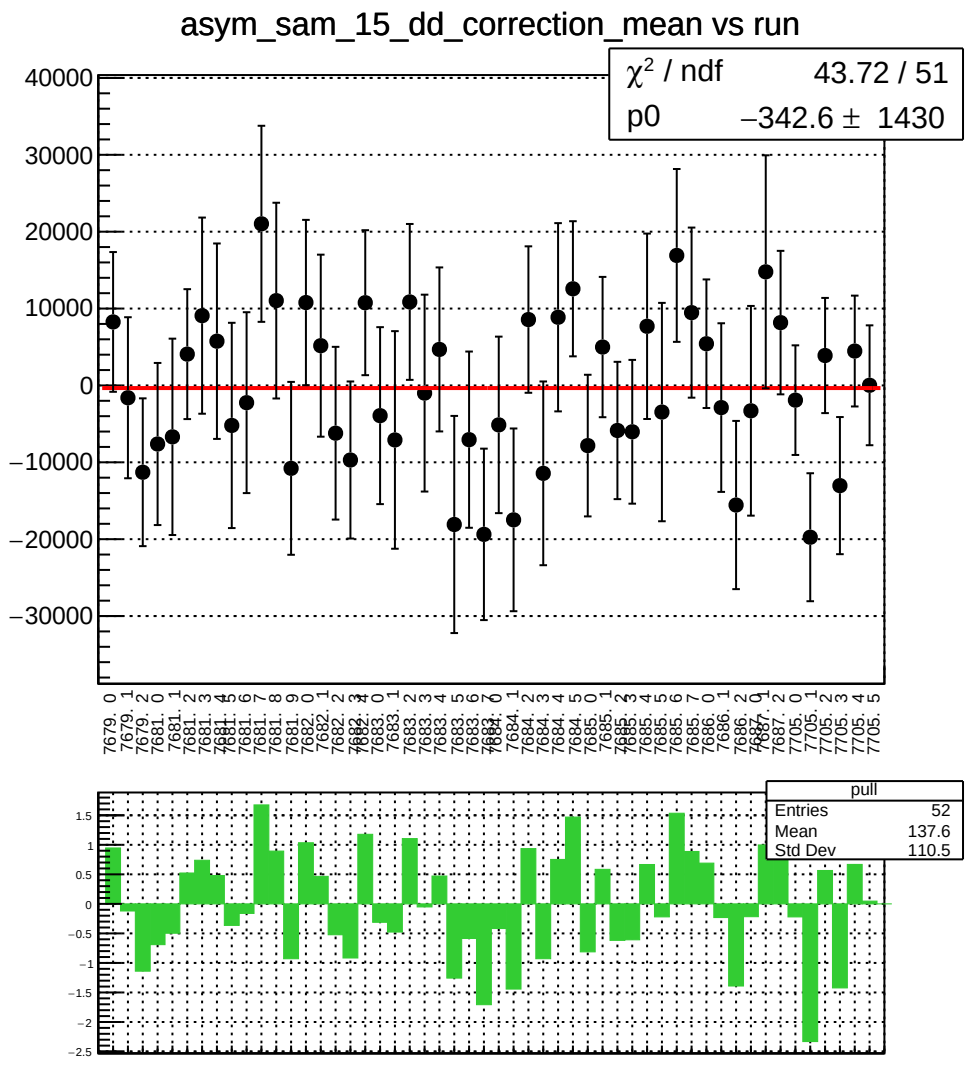

pull1D
Entries 52
Mean −0.03996
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

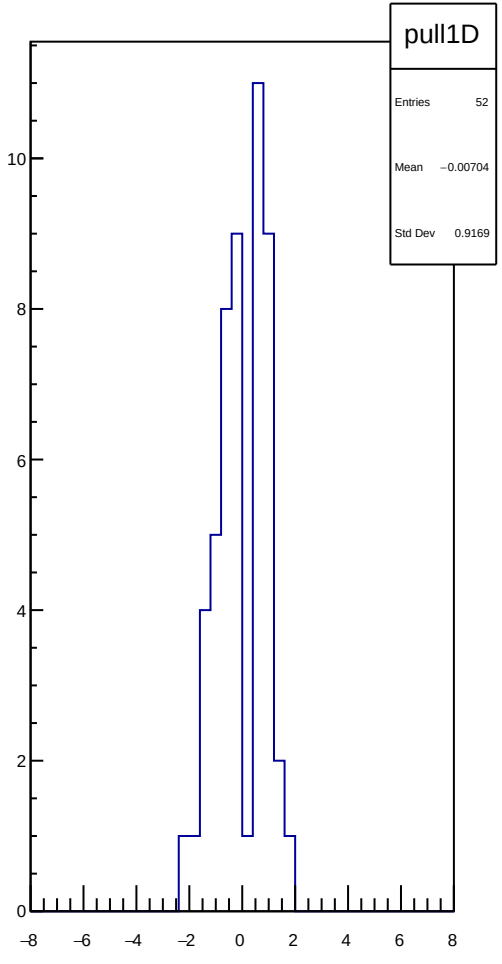

asym_sam_48_avg_rms vs run
χ² / ndf 1.189e+04 / 51
p0 3449 ± 3.493
4000
3800
3600
3400
3200
3000
2800
2600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

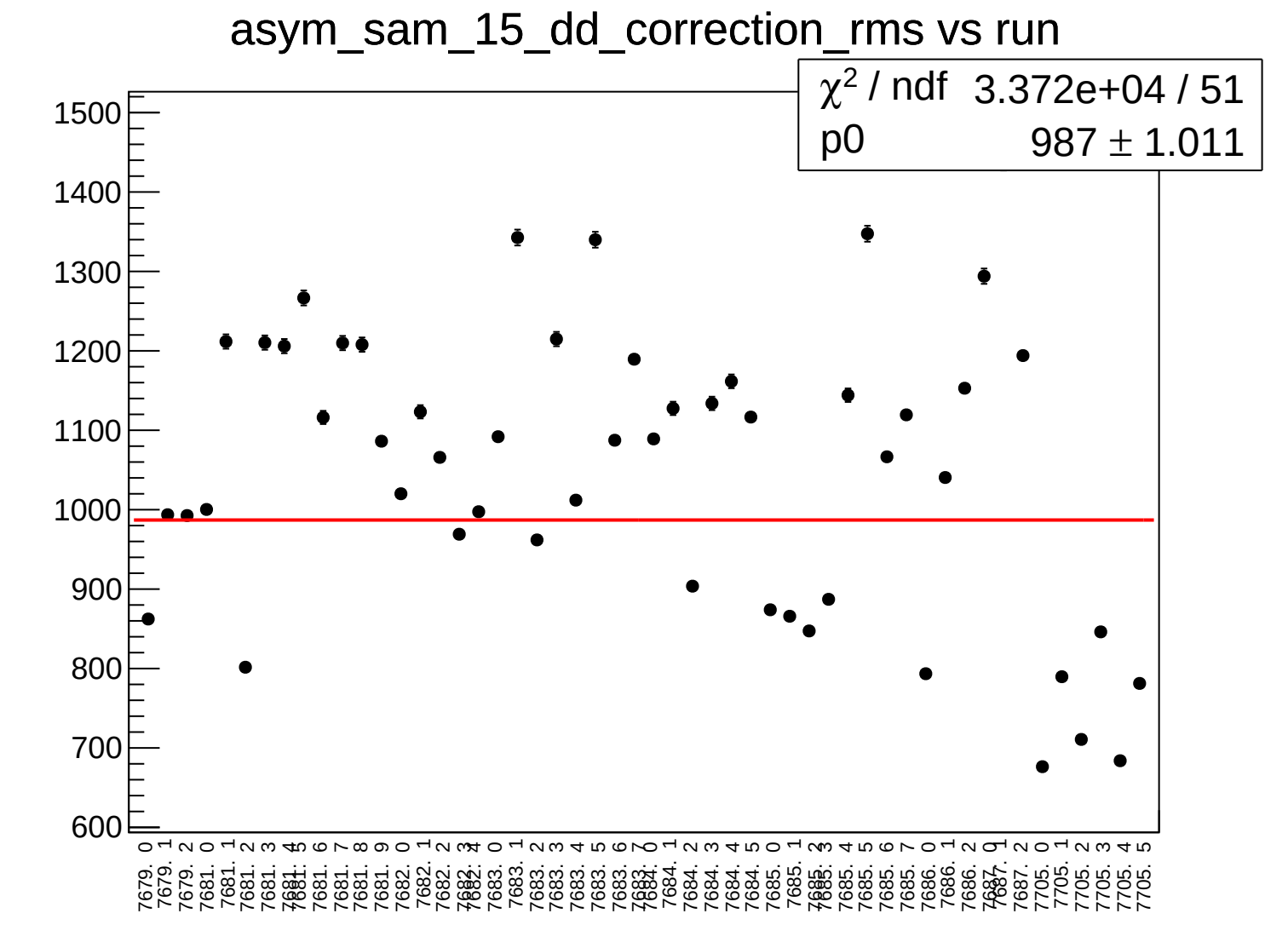

dit_asym_sam_15_dd_mean vs run
χ² / ndf 47.84 / 51
p0 −256.9 ± 143.9
pull
Entries 52
Mean 637.8
Std Dev 620

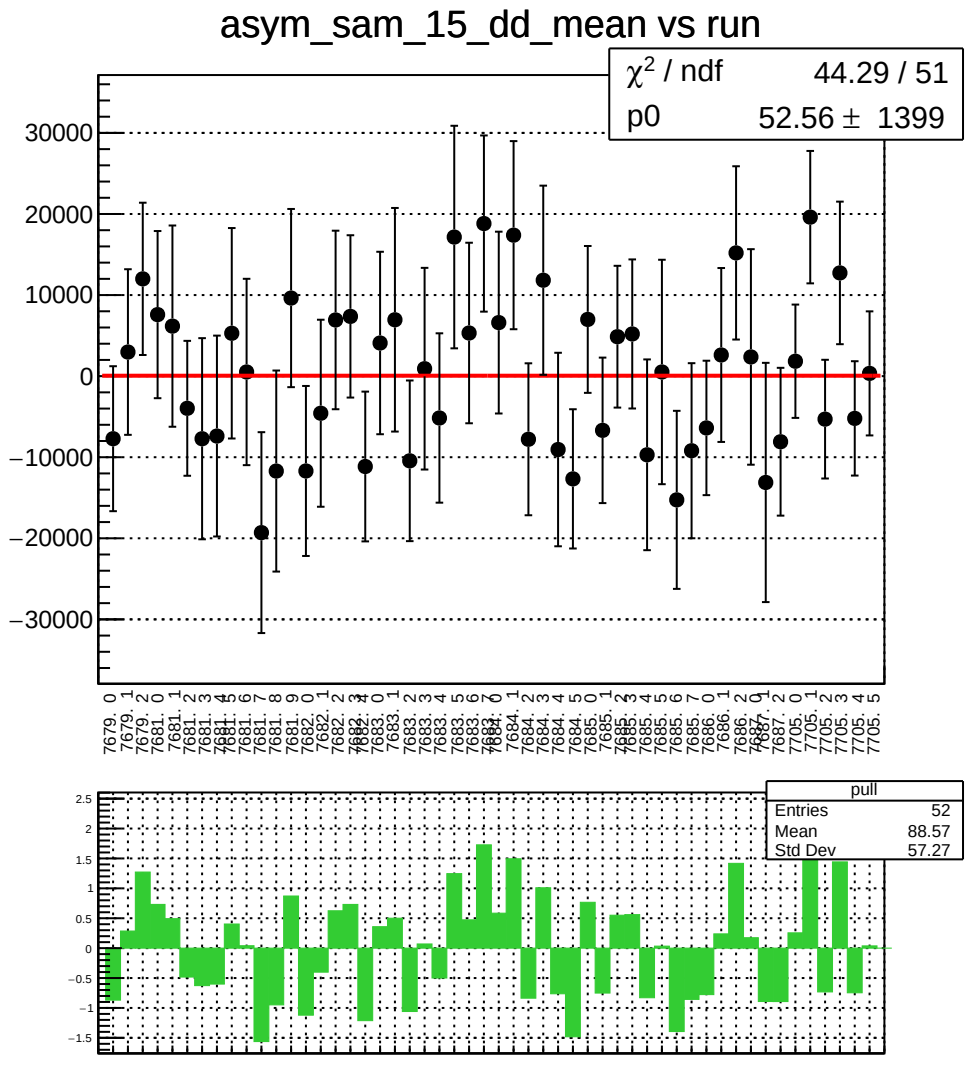

pull1D
Entries 52
Mean −0.003533
Std Dev 0.9592

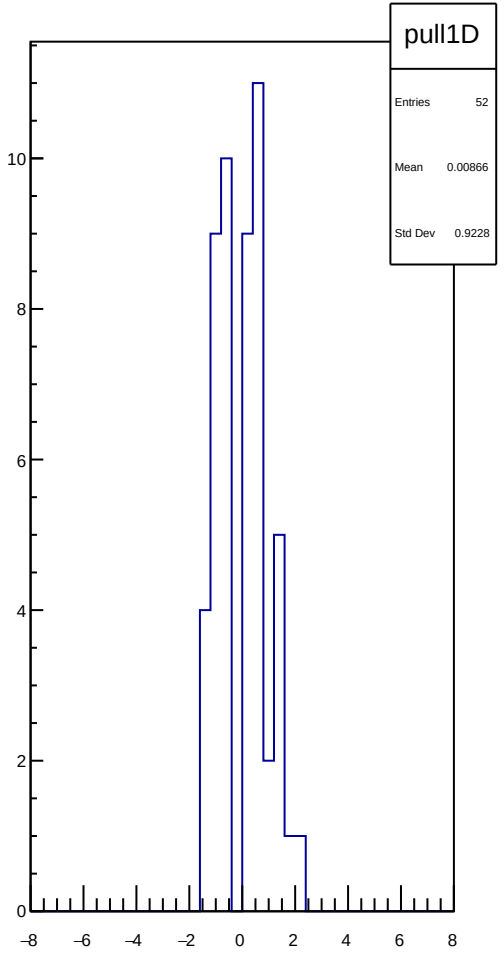

dit_asym_sam_15_dd_rms vs run
χ² / ndf 646.1 / 51
p0 101 ± 0.1017
108
106
104
102
100
98
96
94
92
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

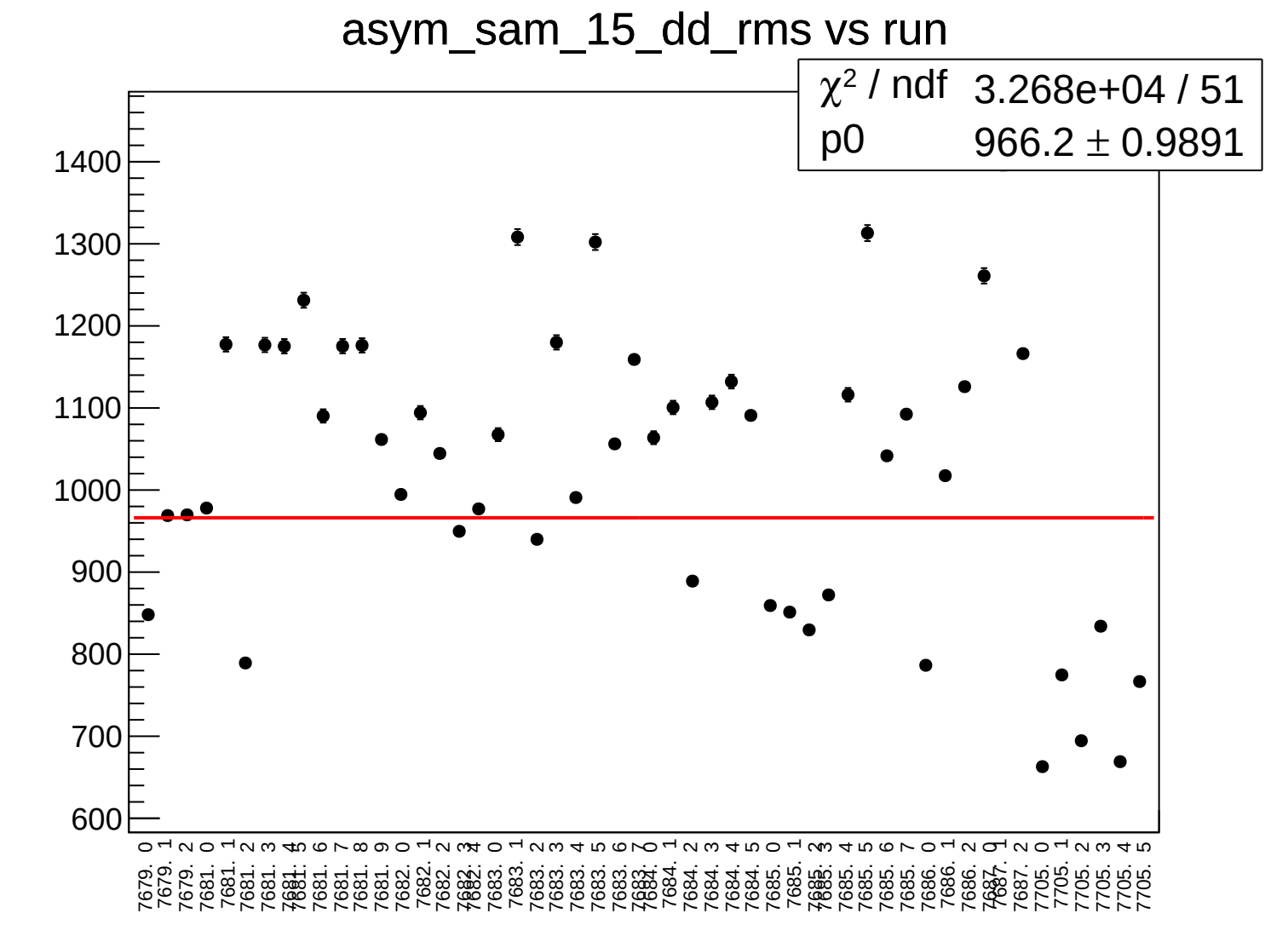

asym_sam_15_dd_correction_mean vs run
χ² / ndf 43.72 / 51
p0 −342.6 ± 1430
pull
Entries 52
Mean 137.6
Std Dev 110.5

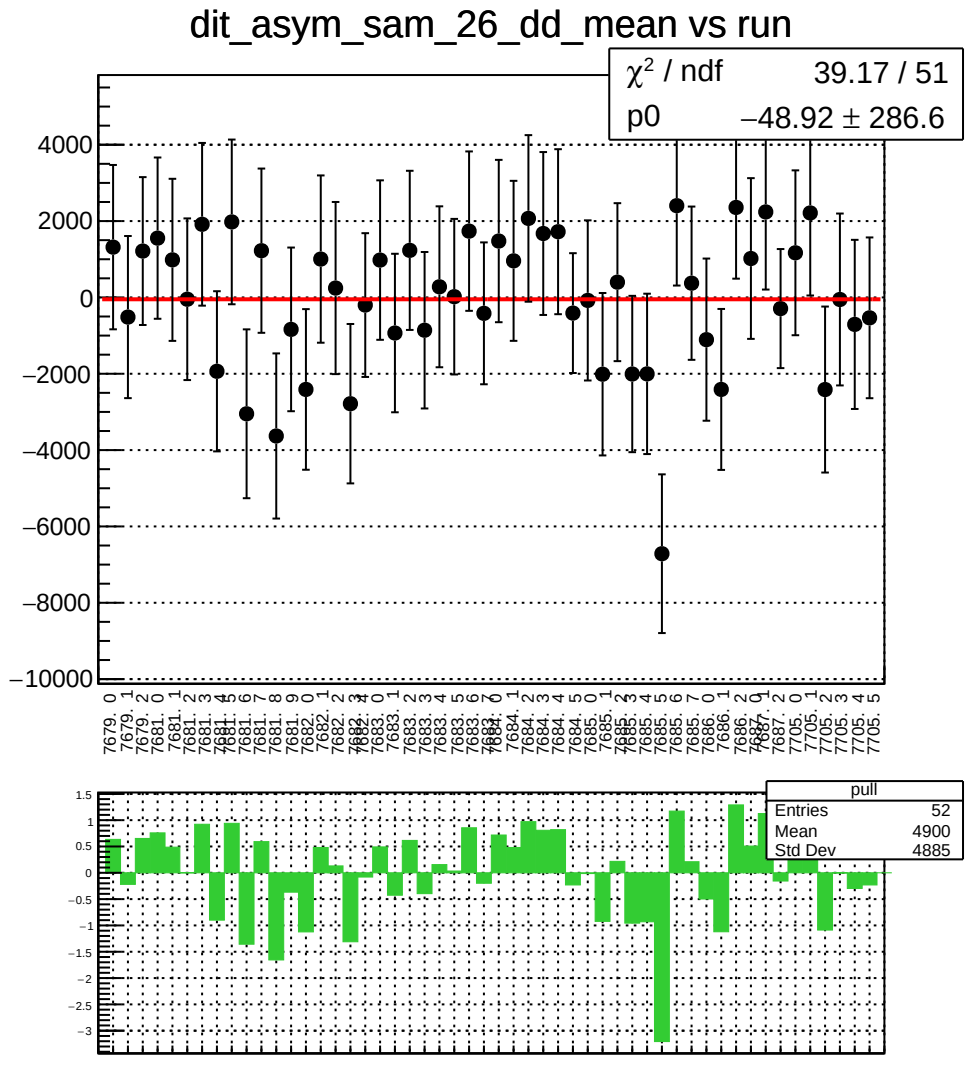

pull1D
Entries 52
Mean −0.00704
Std Dev 0.9169

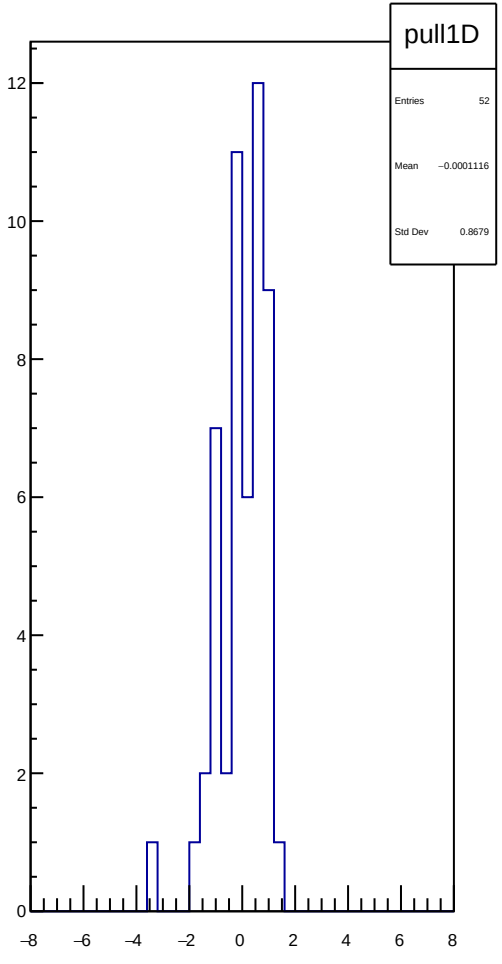

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3.372e+04 / 51
p0 987 ± 1.011
1500
1400
1300
1200
1100
1000
900
800
700
600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

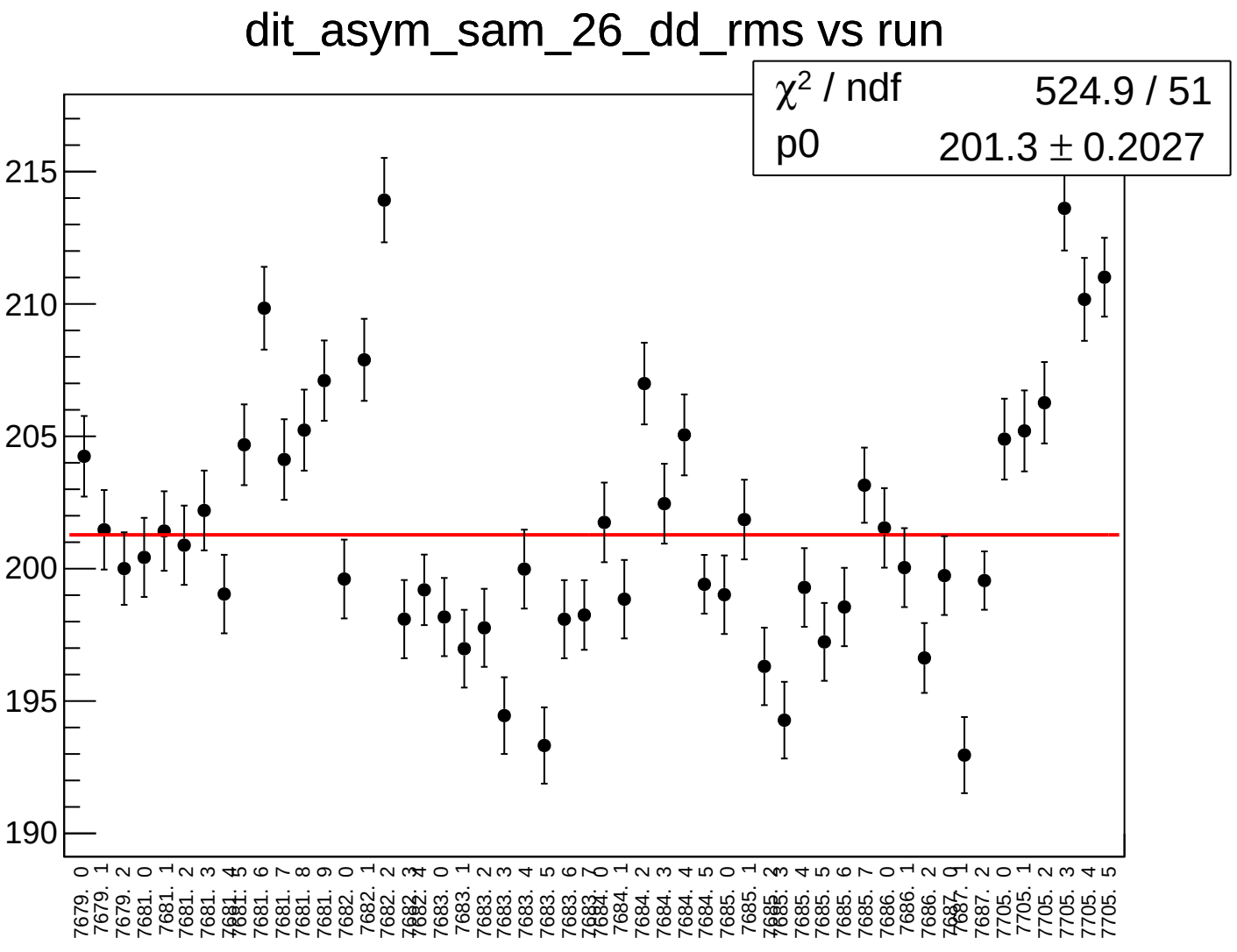

asym_sam_15_dd_mean vs run
χ² / ndf 44.29 / 51
p0 52.56 ± 1399
pull
Entries 52
Mean 88.57
Std Dev 57.27

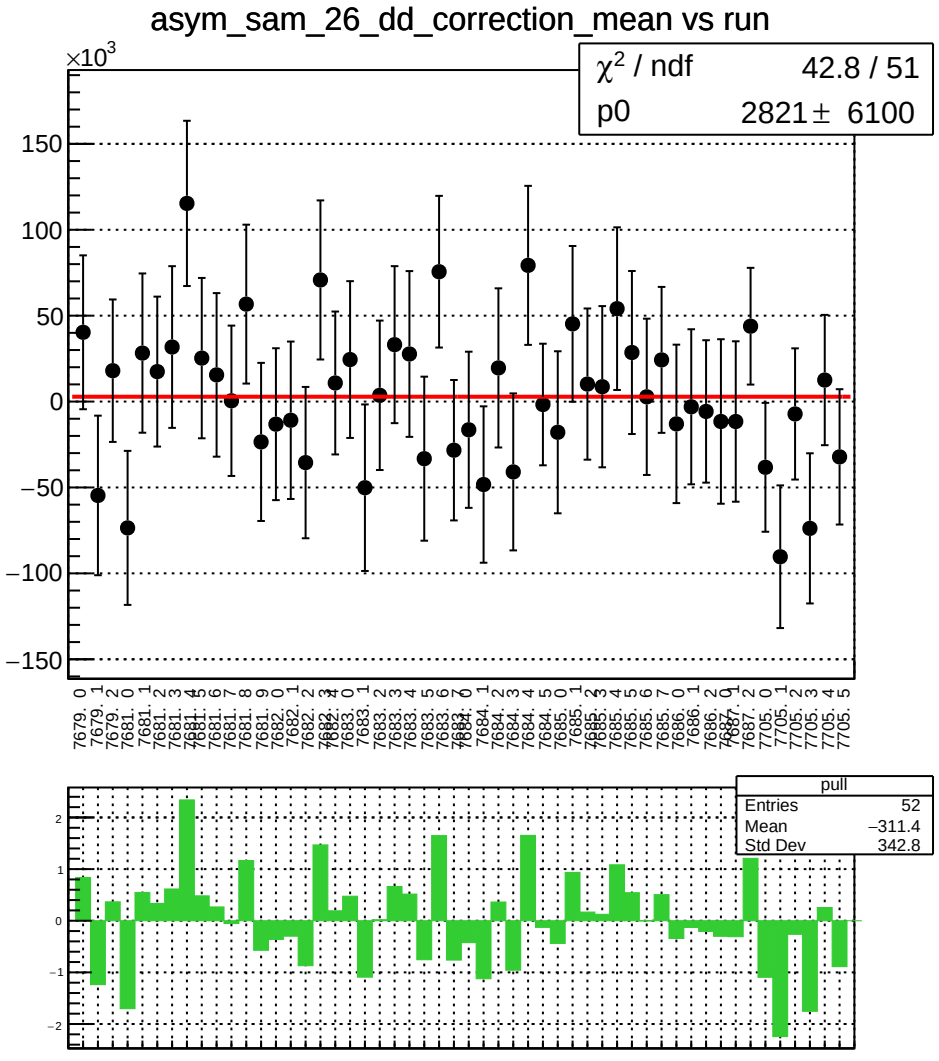

pull1D
Entries 52
Mean 0.00866
Std Dev 0.9228

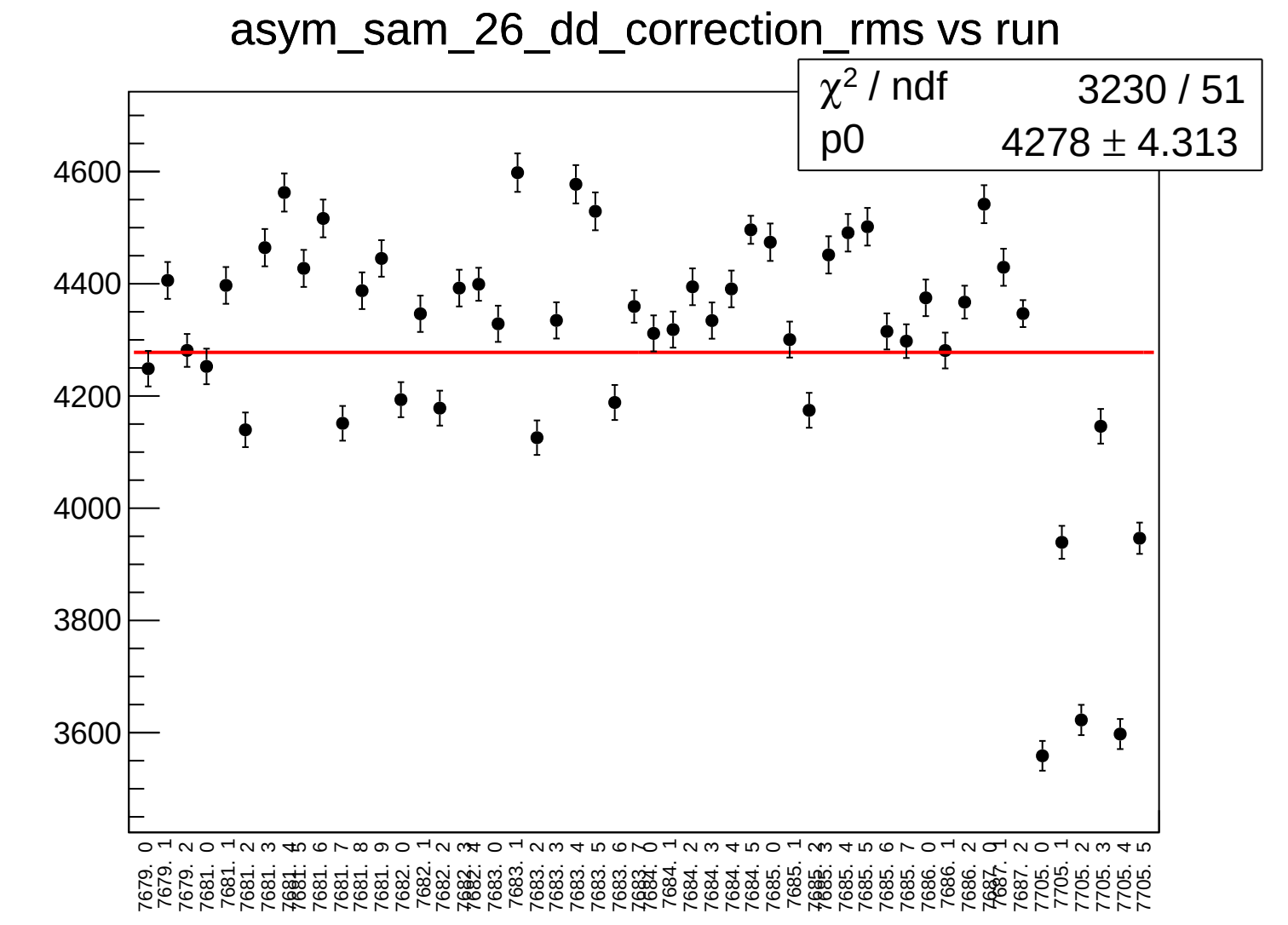

asym_sam_15_dd_rms vs run
χ² / ndf 3.268e+04 / 51
p0 966.2 ± 0.9891
1400
1300
1200
1100
1000
900
800
700
600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

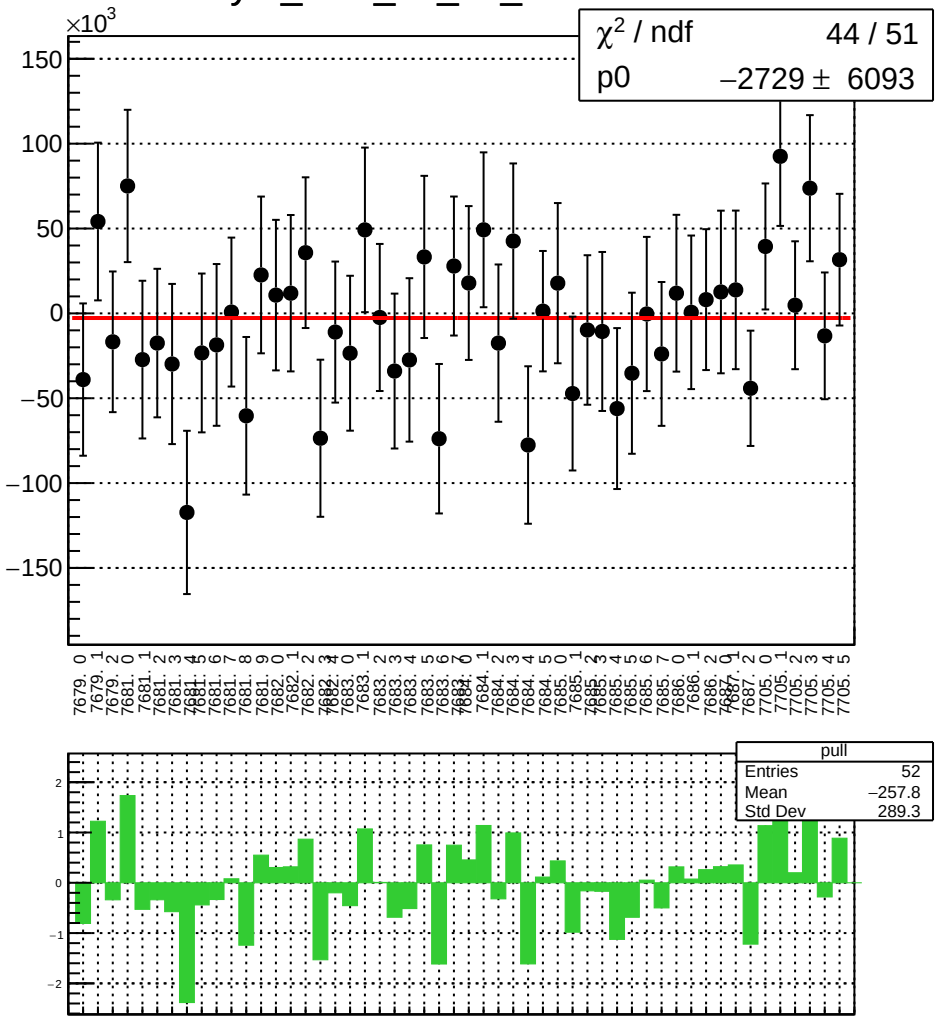

dit_asym_sam_26_dd_mean vs run
χ² / ndf 39.17 / 51
p0 −48.92 ± 286.6
pull
Entries 52
Mean 4900
Std Dev 4885

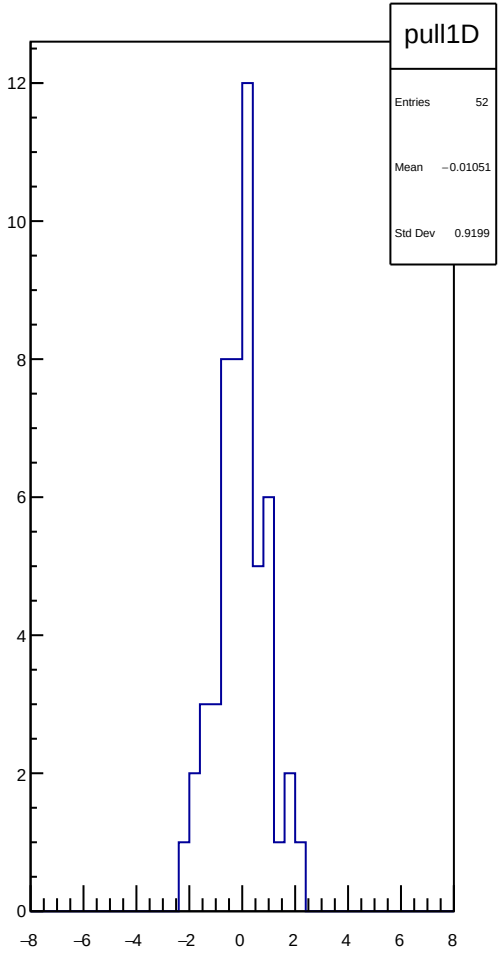

pull1D
Entries 52
Mean −0.0001116
Std Dev 0.8679

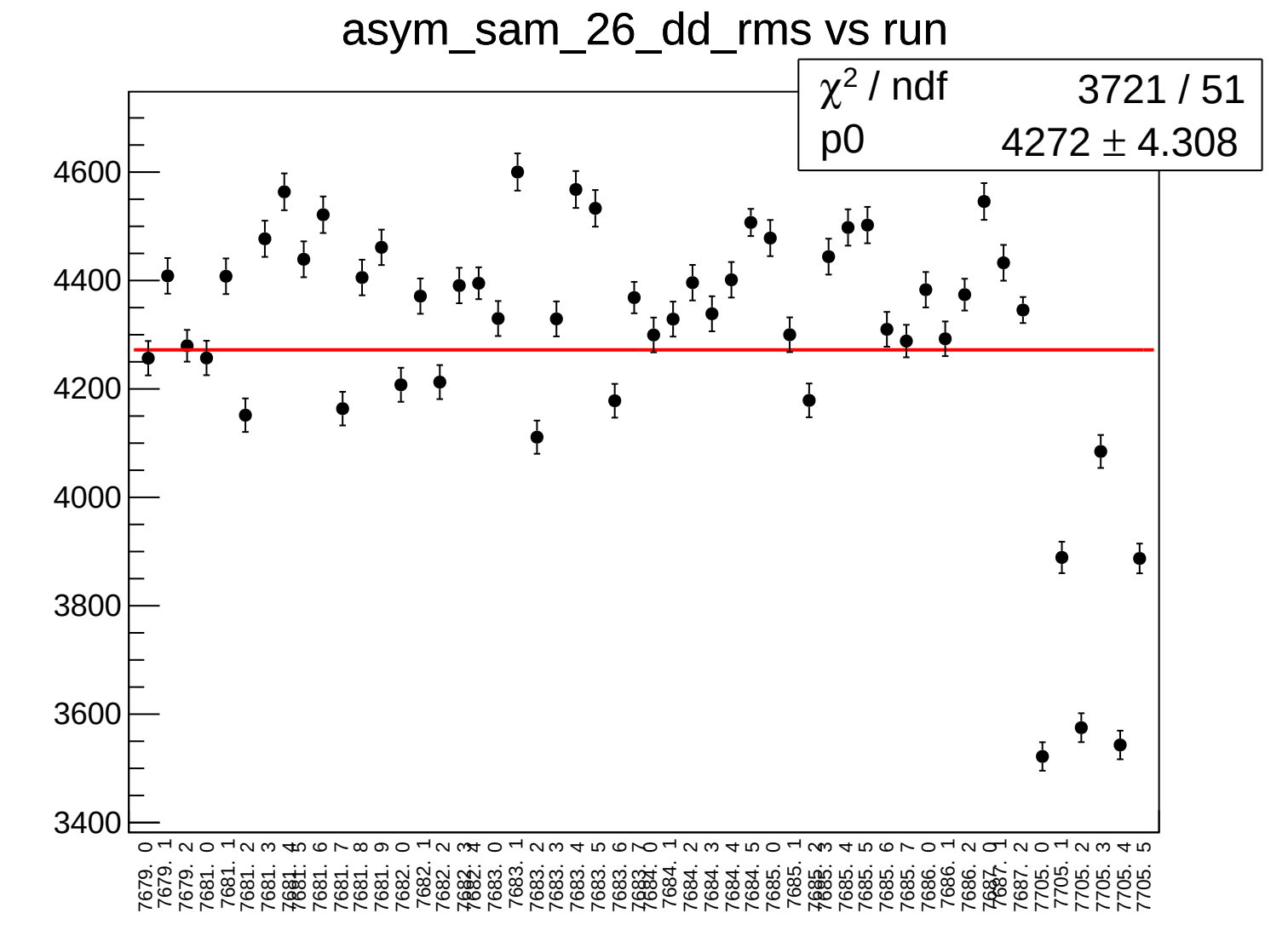

dit_asym_sam_26_dd_rms vs run
χ² / ndf 524.9 / 51
p0 201.3 ± 0.2027
215
210
205
200
195
190
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

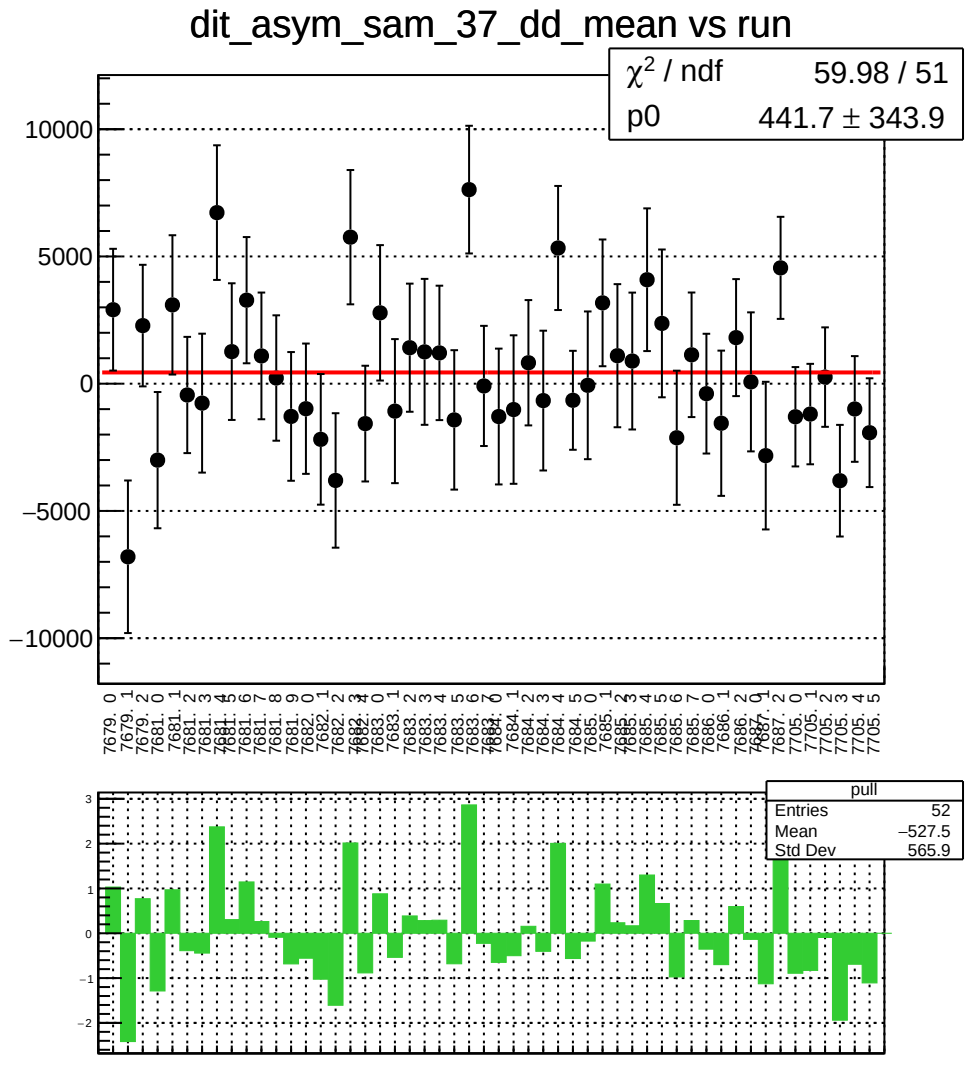

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 42.8 / 51
p0 2821 ± 6100
150
100
50
0
−50
−100
−150
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 4
7681. 5
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7683. 7
7684. 0
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 3
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 0
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5
pull
Entries 52
Mean −311.4
Std Dev 342.8
2
1
0
−1
−2
pull1D
Entries 52
Mean 0.008829
Std Dev 0.9072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

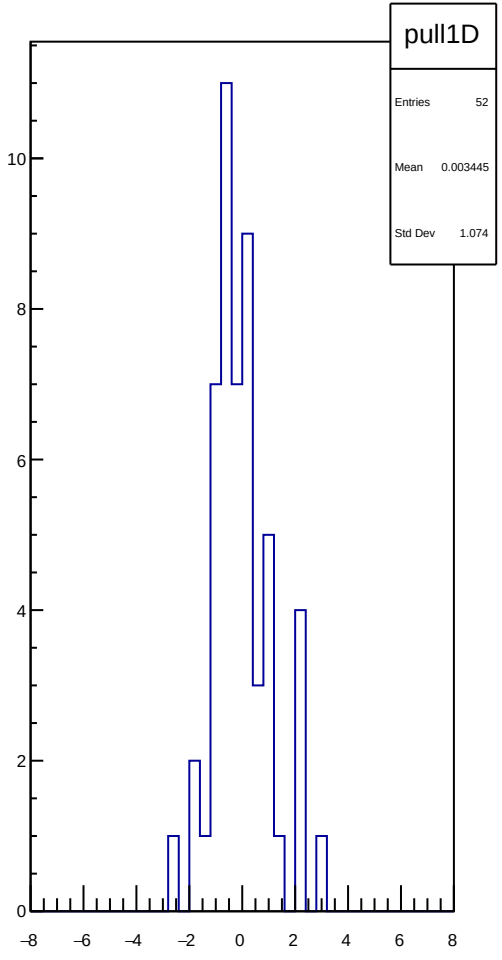

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3230 / 51
p0 4278 ± 4.313
4600
4400
4200
4000
3800
3600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

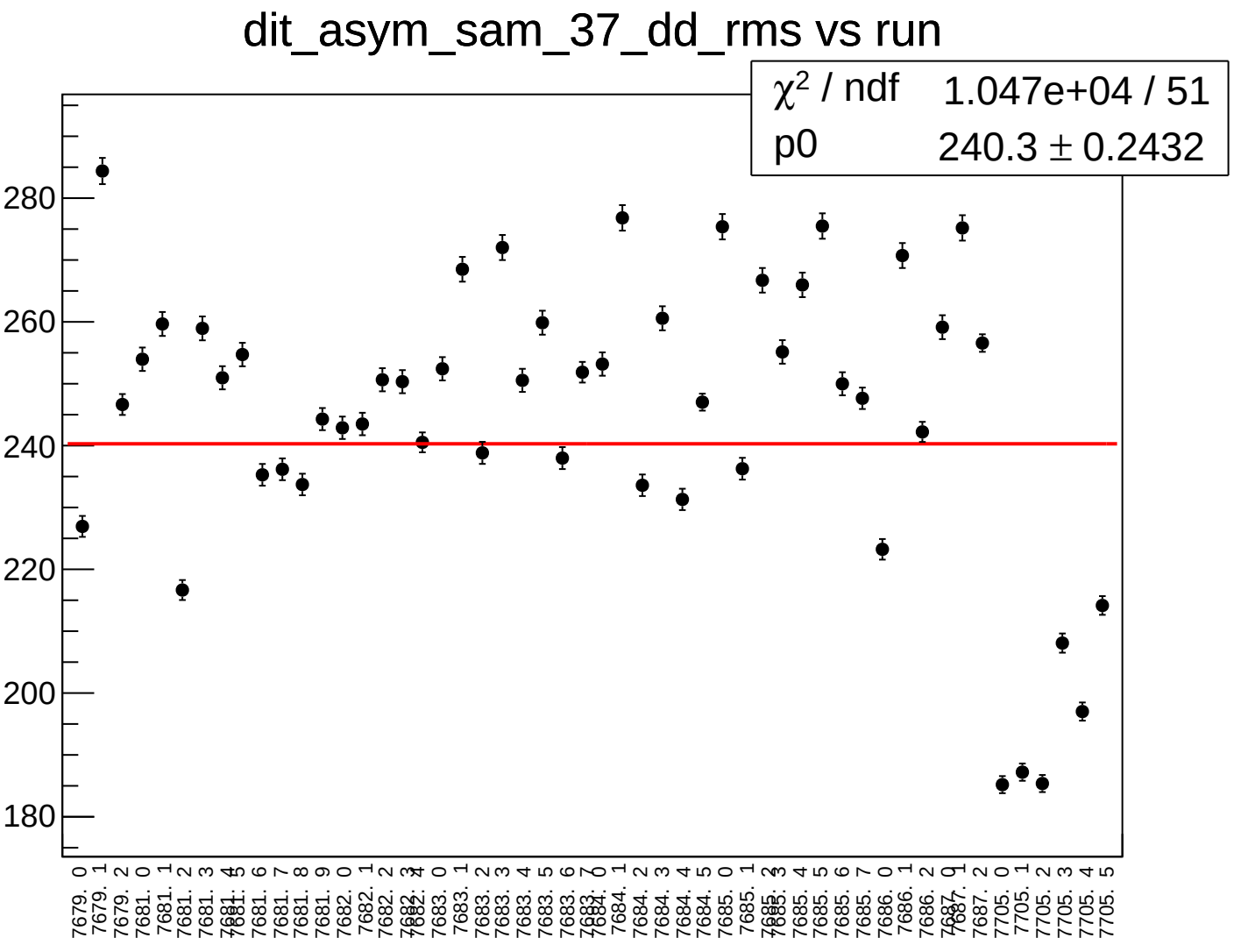

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 44 / 51
p0 −2729 ± 6093
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −257.8
Std Dev 289.3
2
1
0
−1
−2

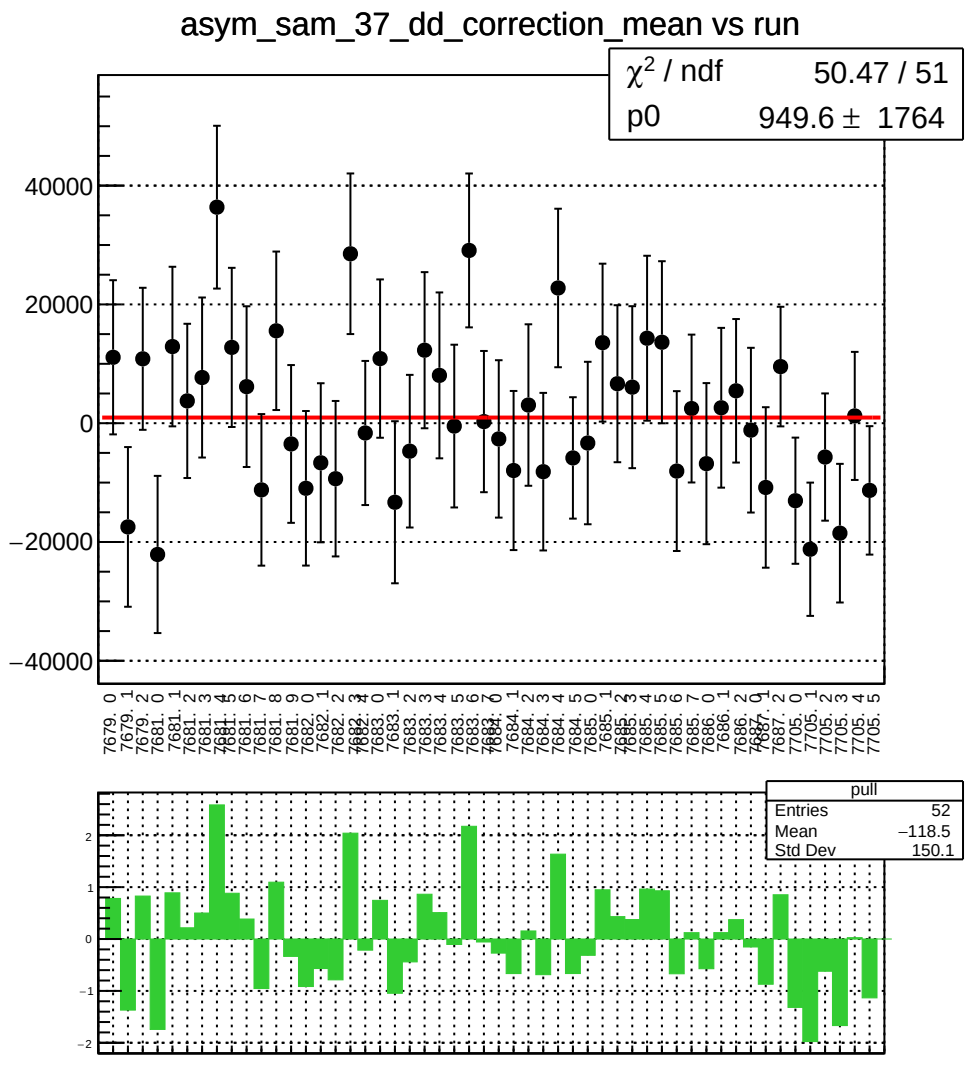

pull1D
Entries 52
Mean −0.01051
Std Dev 0.9199
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

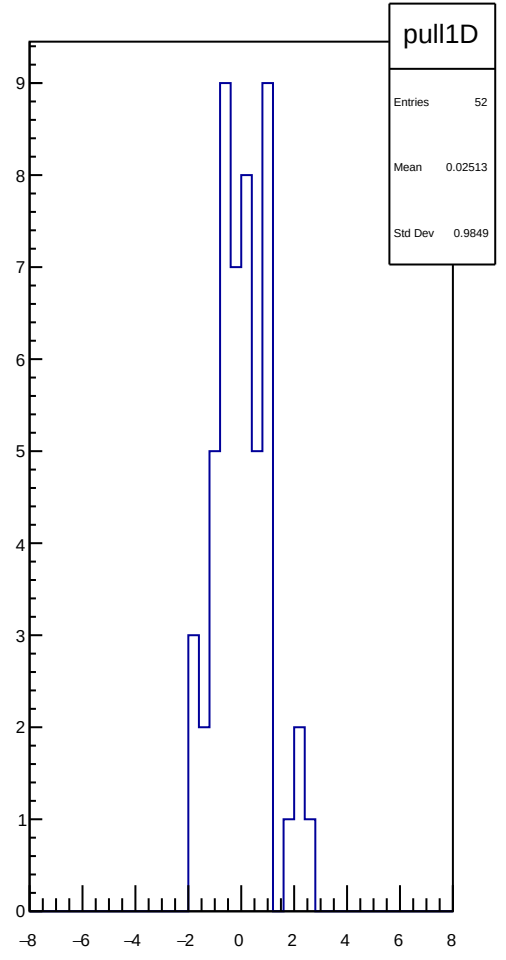

asym_sam_26_dd_rms vs run
χ² / ndf 3721 / 51
p0 4272 ± 4.308
4600
4400
4200
4000
3800
3600
3400
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

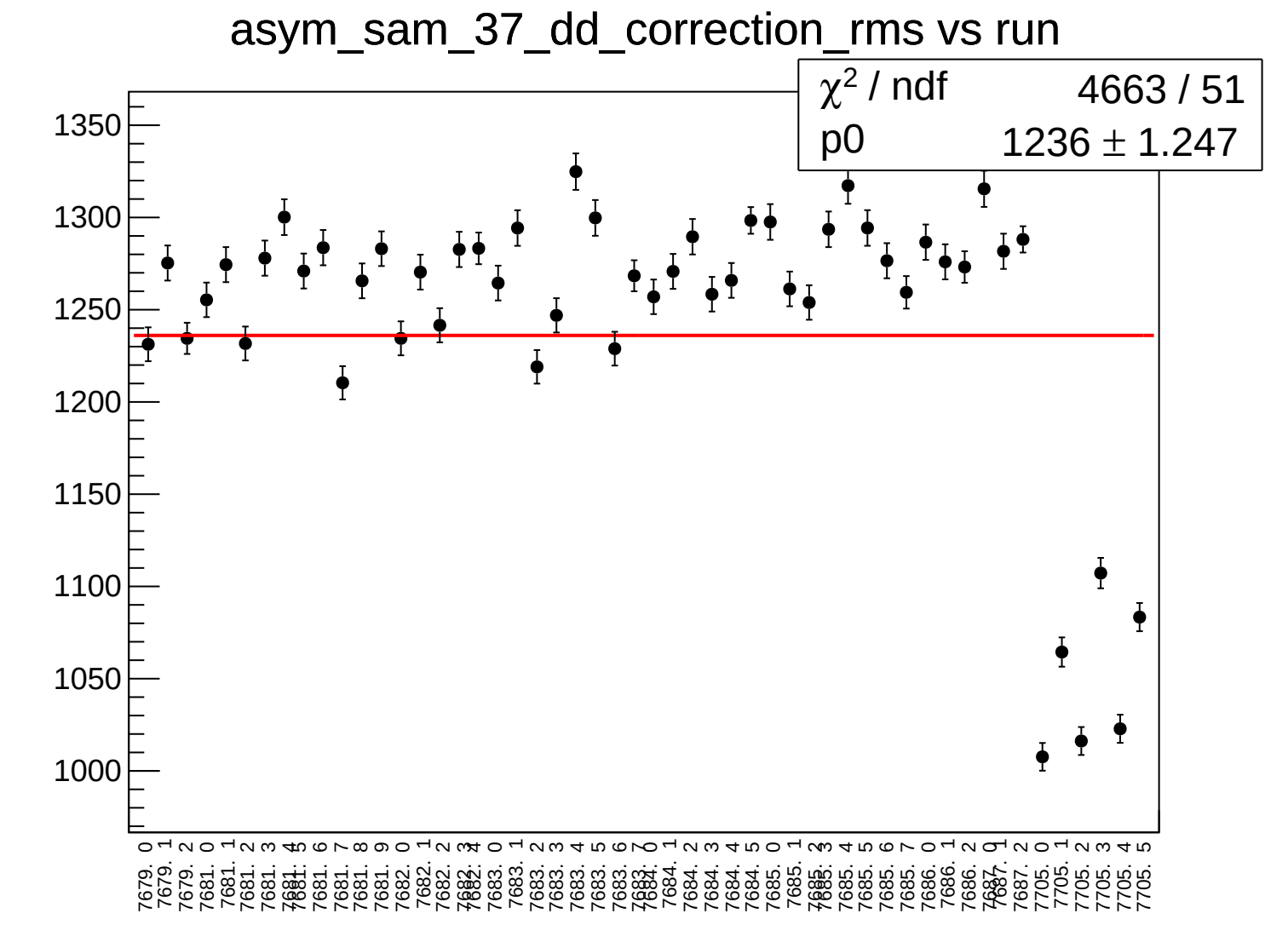

dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 59.98 / 51
p0 441.7 ± 343.9
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −527.5
Std Dev 565.9
3
2
1
0
−1
−2

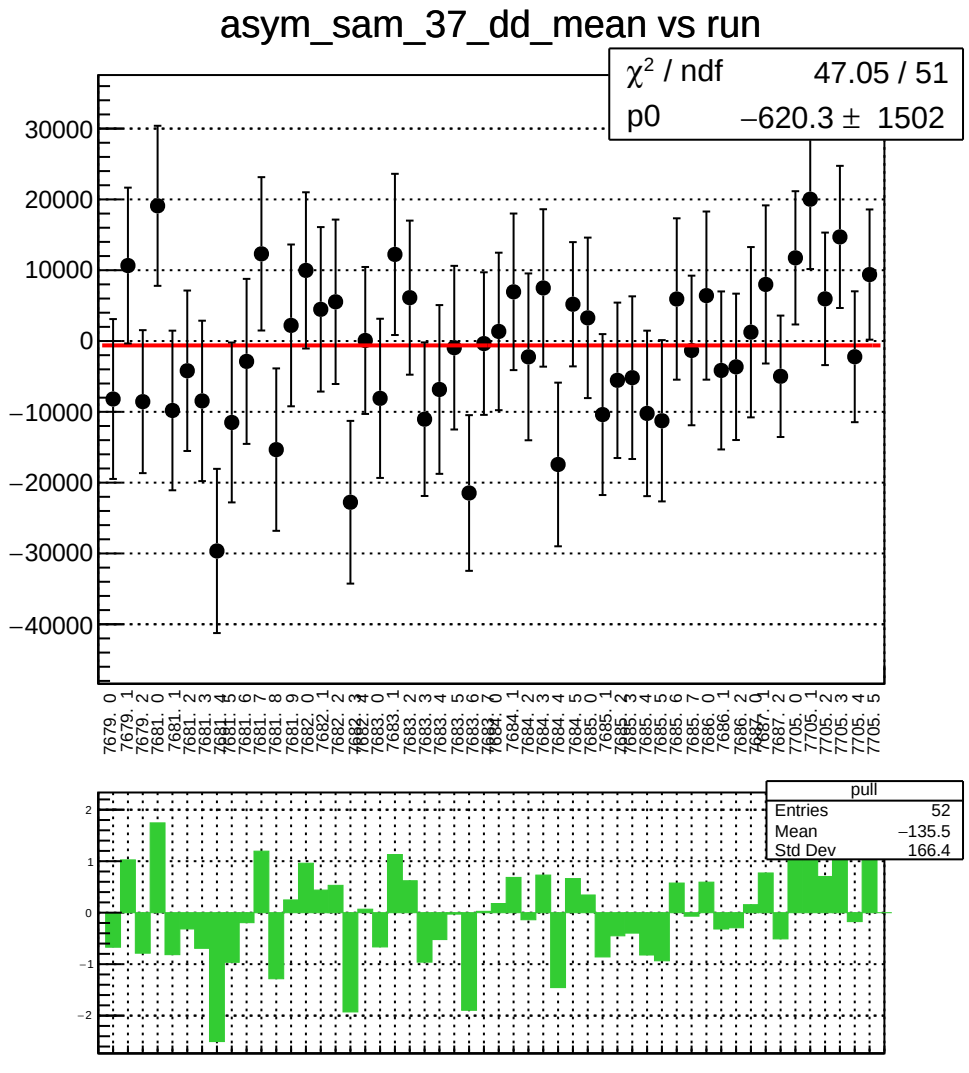

pull1D
Entries 52
Mean 0.003445
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

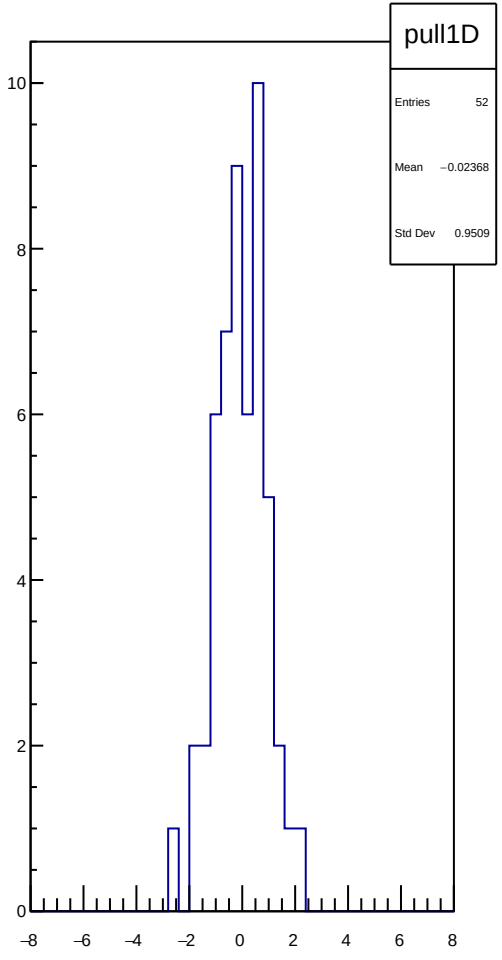

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.047e+04 / 51
p0 240.3 ± 0.2432
280
260
240
220
200
180
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

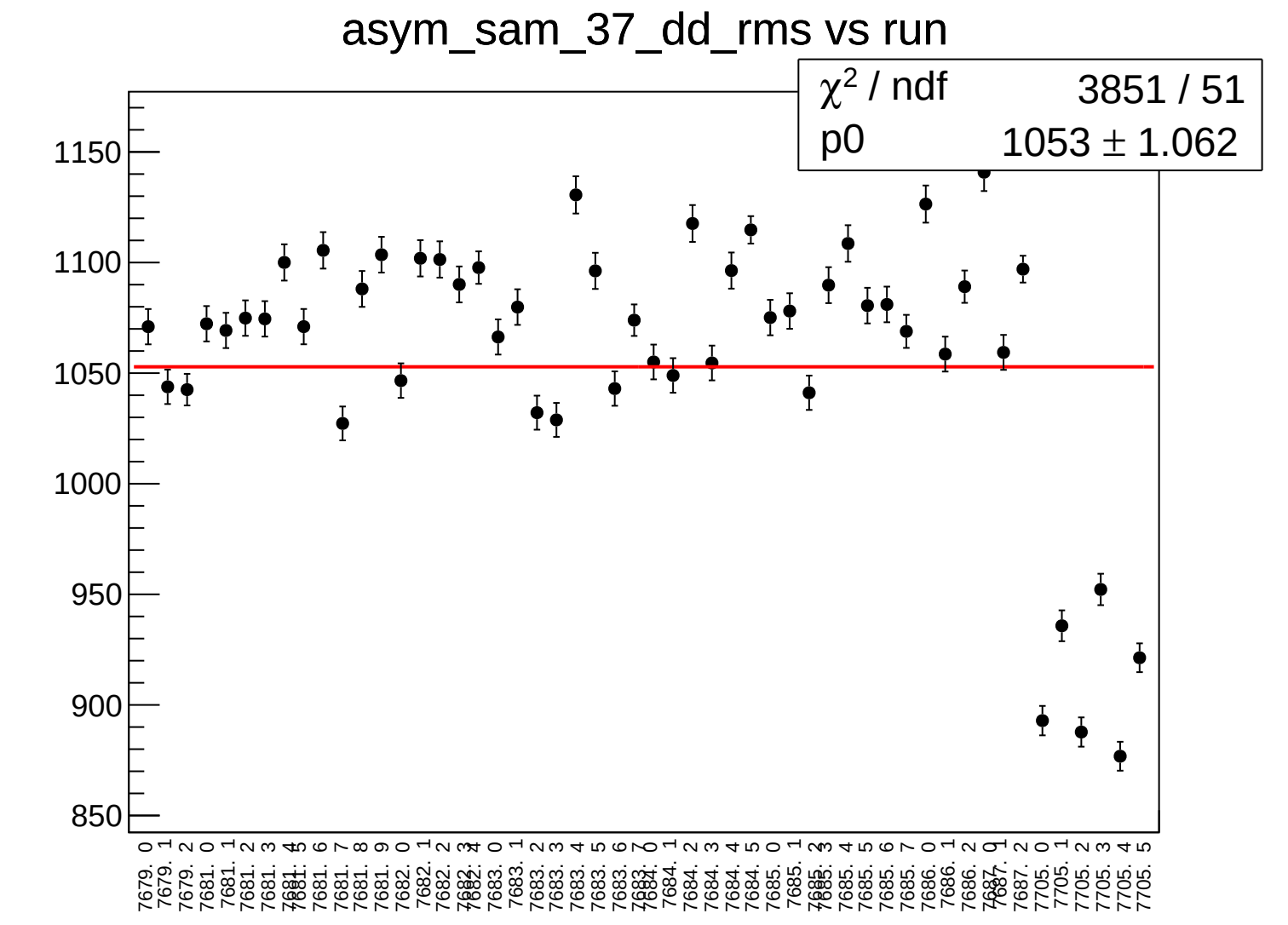

asym_sam_37_dd_correction_mean vs run
χ² / ndf 50.47 / 51
p0 949.6 ± 1764
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −118.5
Std Dev 150.1
2
1
0
−1
−2

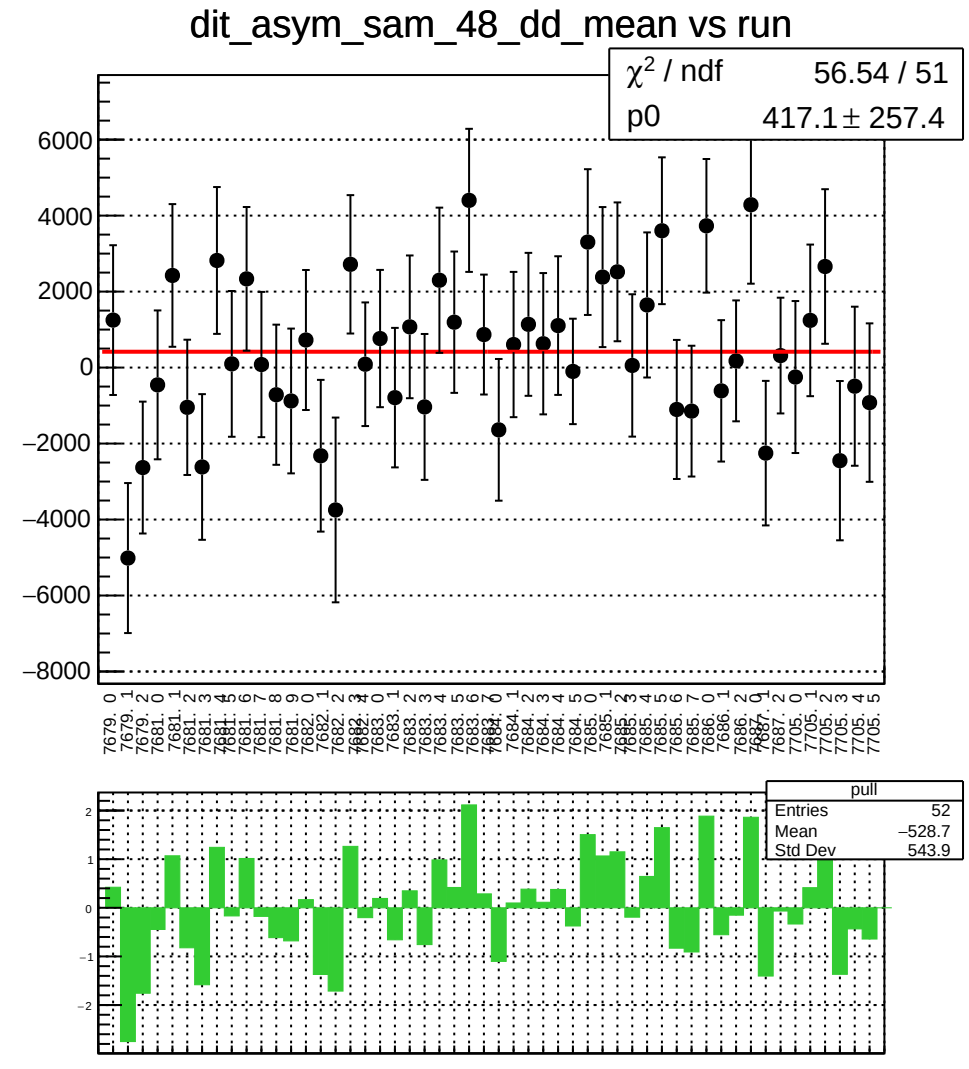

pull1D
Entries 52
Mean 0.02513
Std Dev 0.9849
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

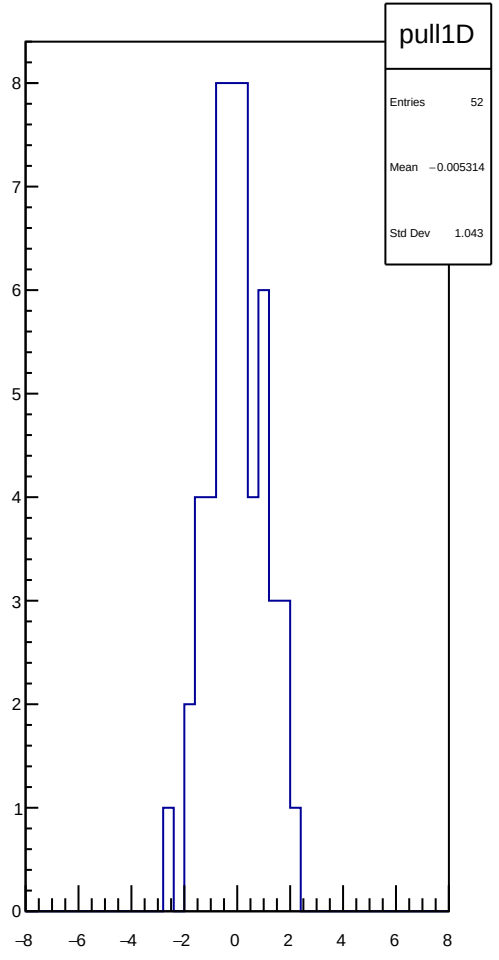

asym_sam_37_dd_correction_rms vs run
χ² / ndf 4663 / 51
p0 1236 ± 1.247
1350
1300
1250
1200
1150
1100
1050
1000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

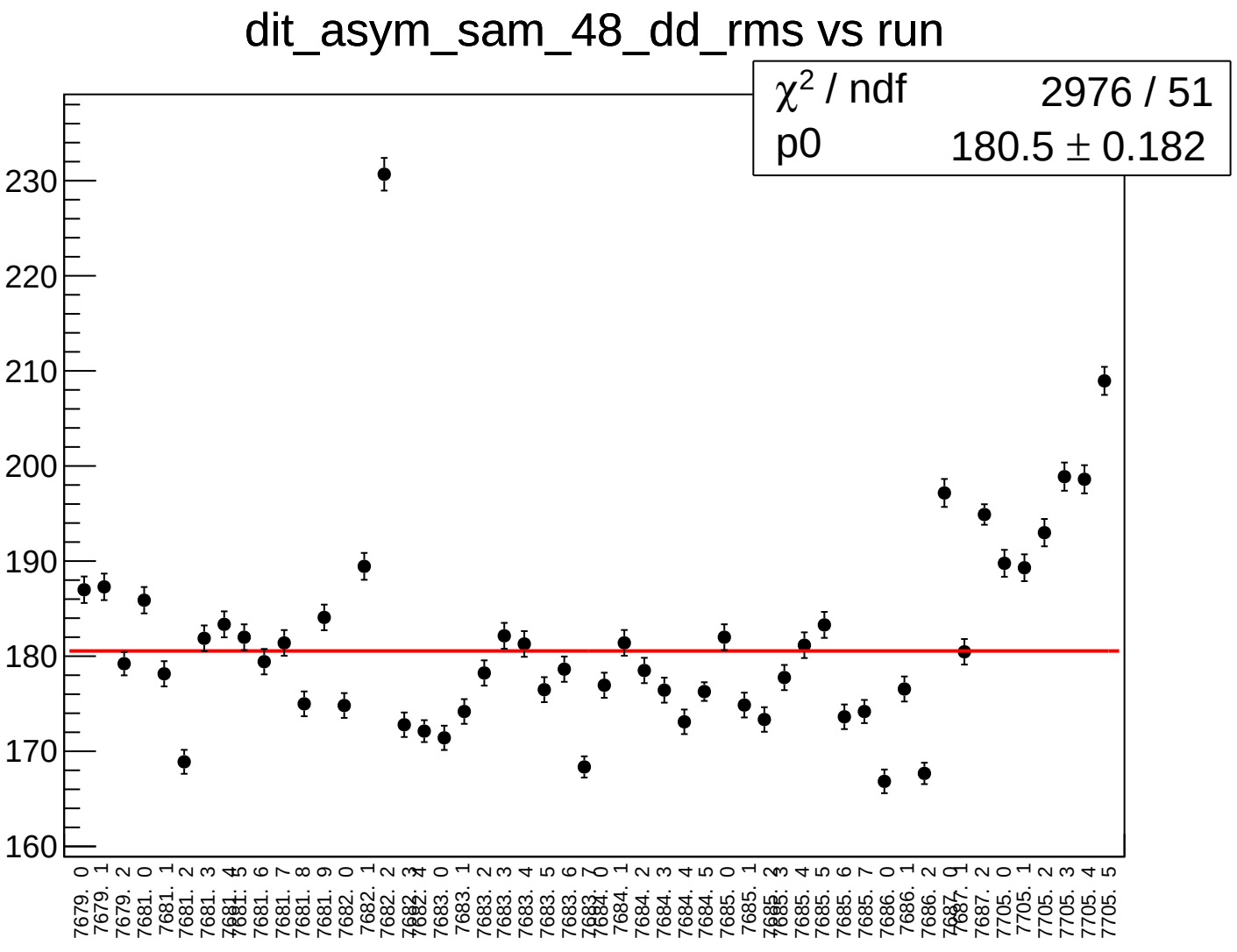

asym_sam_37_dd_mean vs run
χ² / ndf 47.05 / 51
p0 −620.3 ± 1502
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean −135.5
Std Dev 166.4
2
1
0
−1
−2

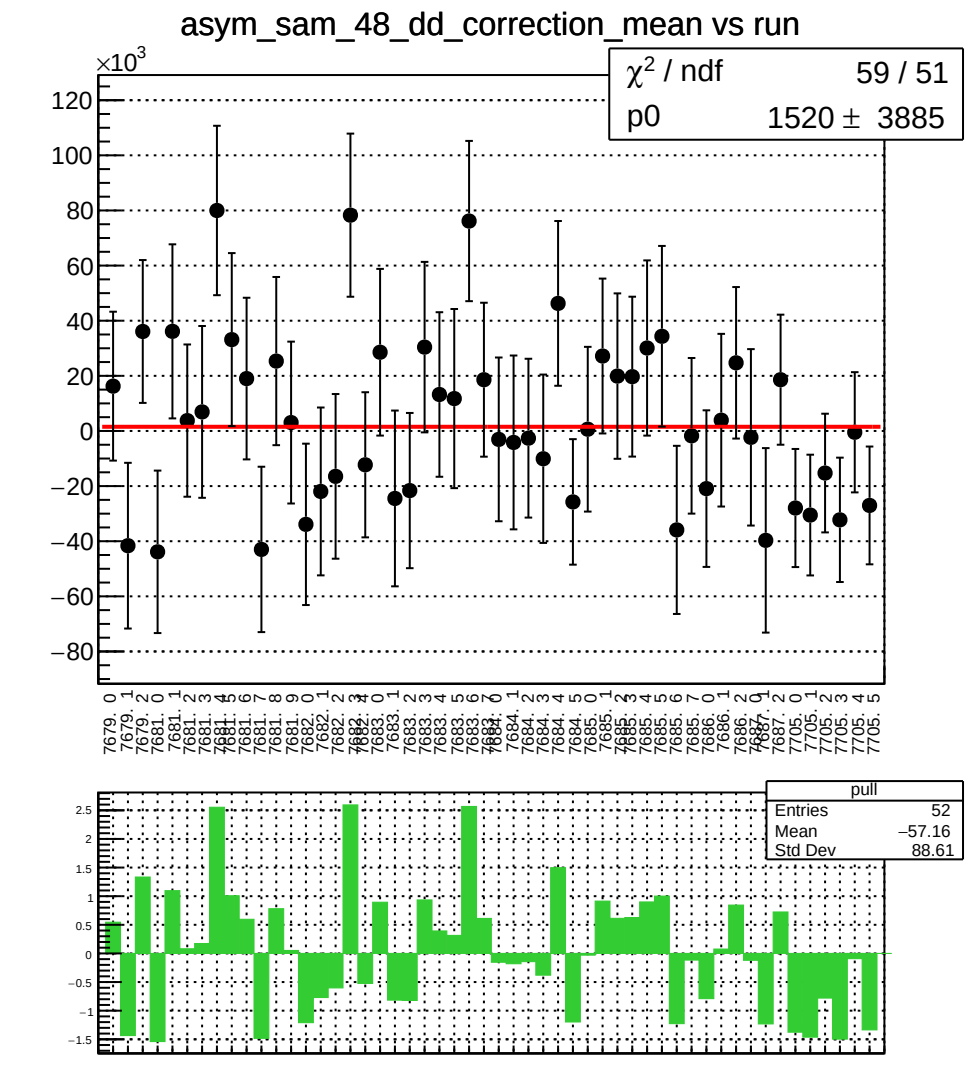

pull1D
Entries 52
Mean −0.02368
Std Dev 0.9509
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

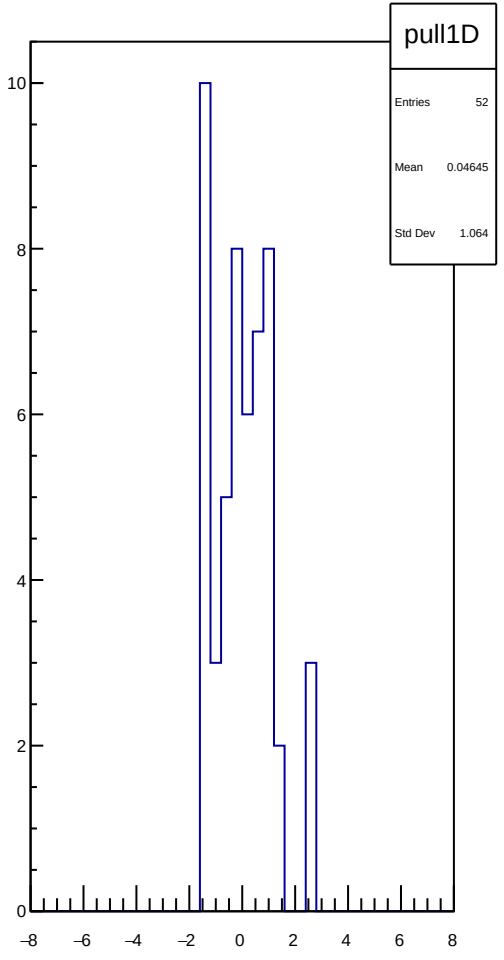

asym_sam_37_dd_rms vs run
χ² / ndf 3851 / 51
p0 1053 ± 1.062
1150
1100
1050
1000
950
900
850
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

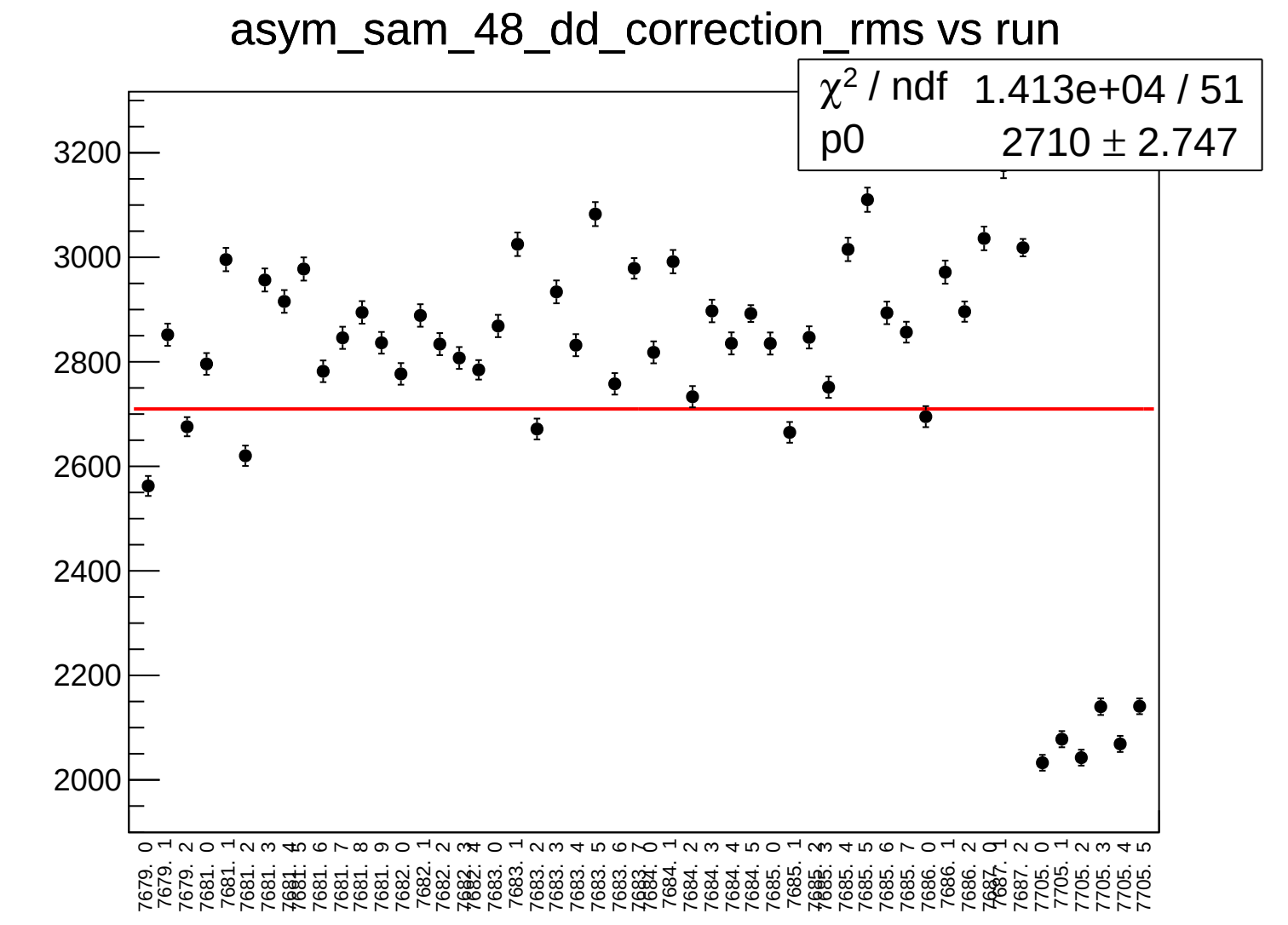

dit_asym_sam_48_dd_mean vs run
χ² / ndf 56.54 / 51
p0 417.1 ± 257.4
pull
Entries 52
Mean −528.7
Std Dev 543.9

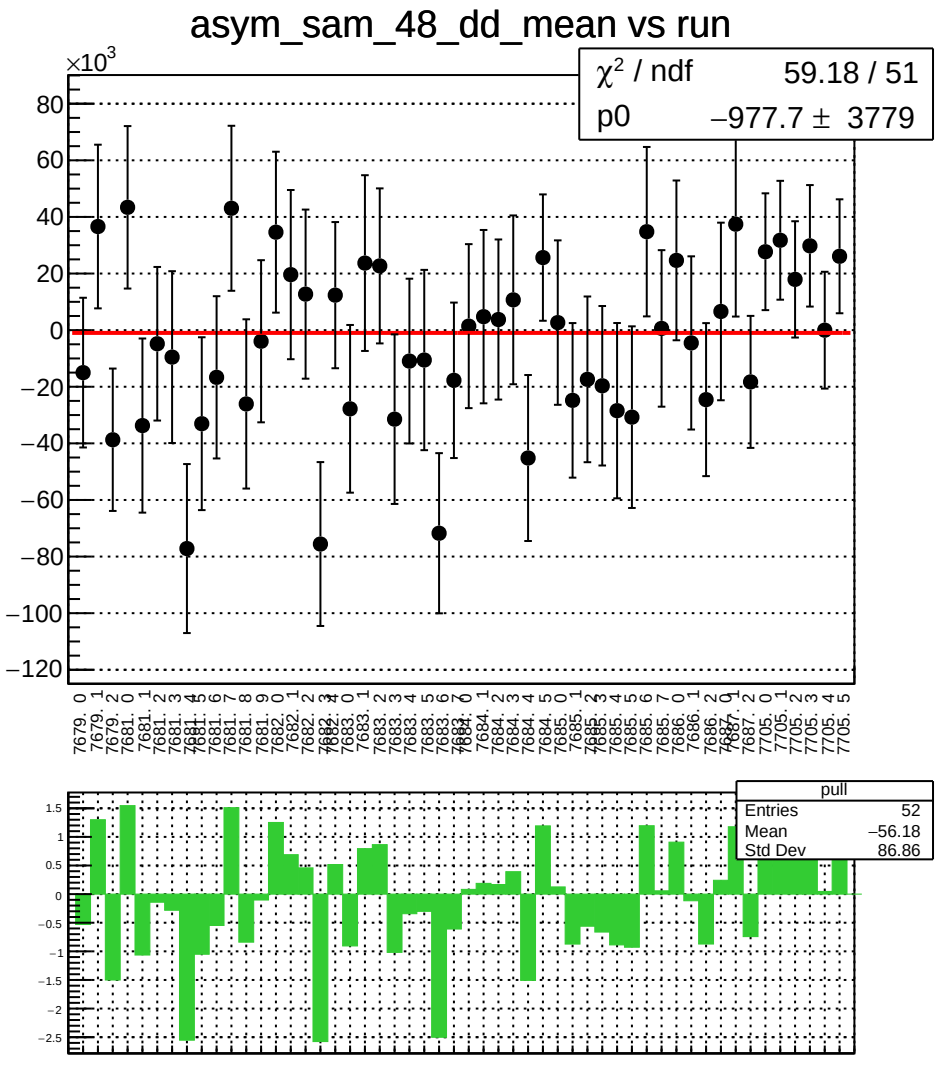

pull1D
Entries 52
Mean −0.005314
Std Dev 1.043

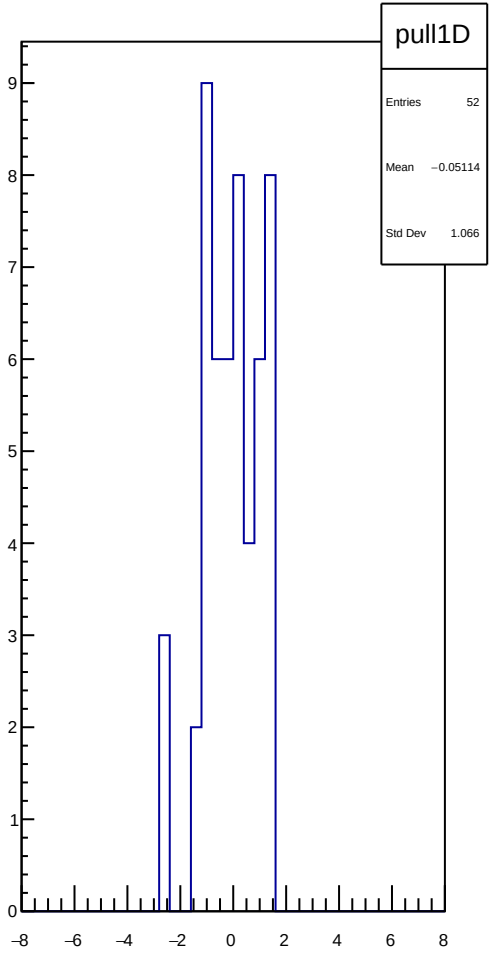

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2976 / 51
p0 180.5 ± 0.182
230
220
210
200
190
180
170
160
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

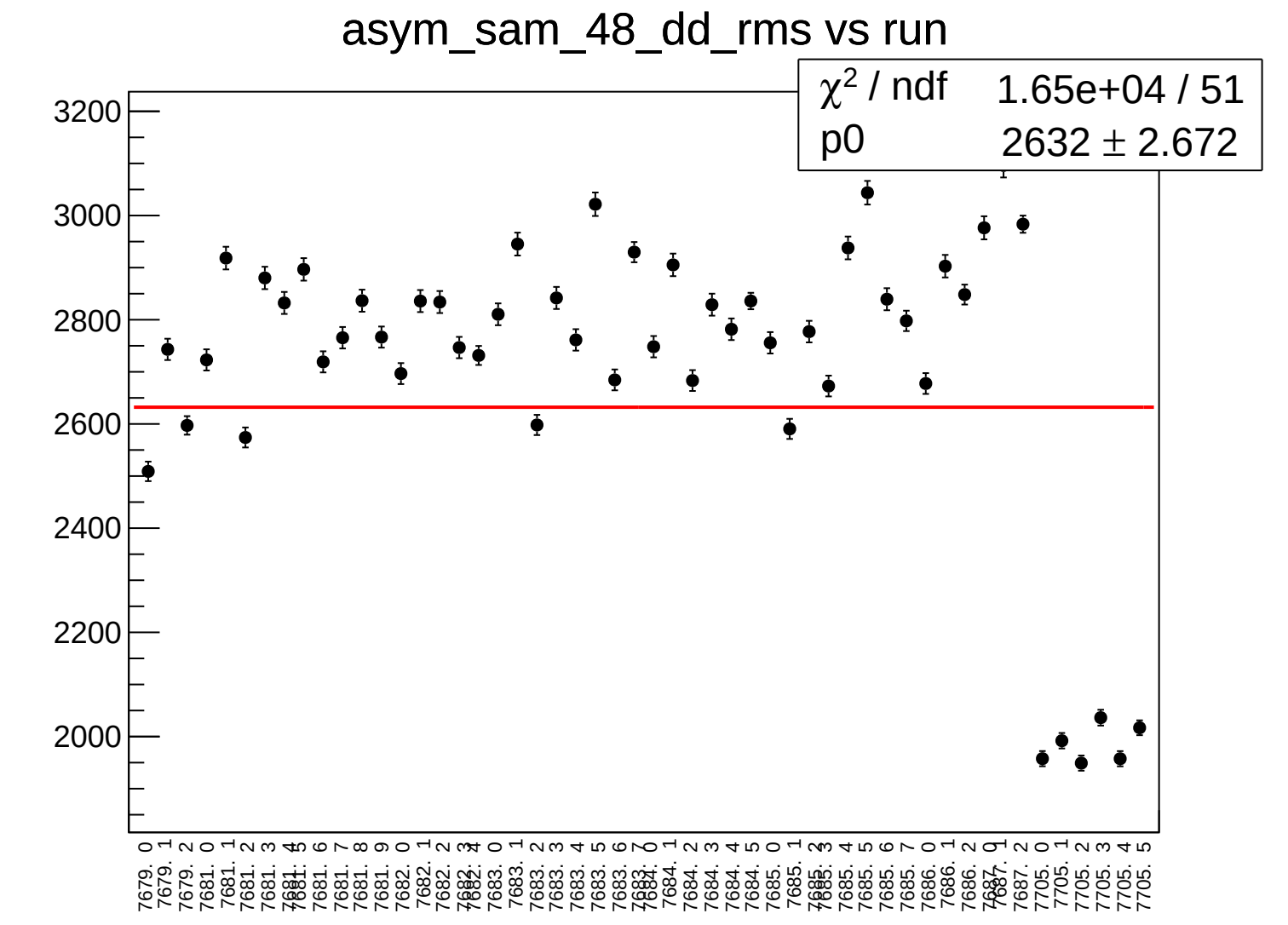

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 59 / 51
p0 1520 ± 3885
pull
Entries 52
Mean −57.16
Std Dev 88.61

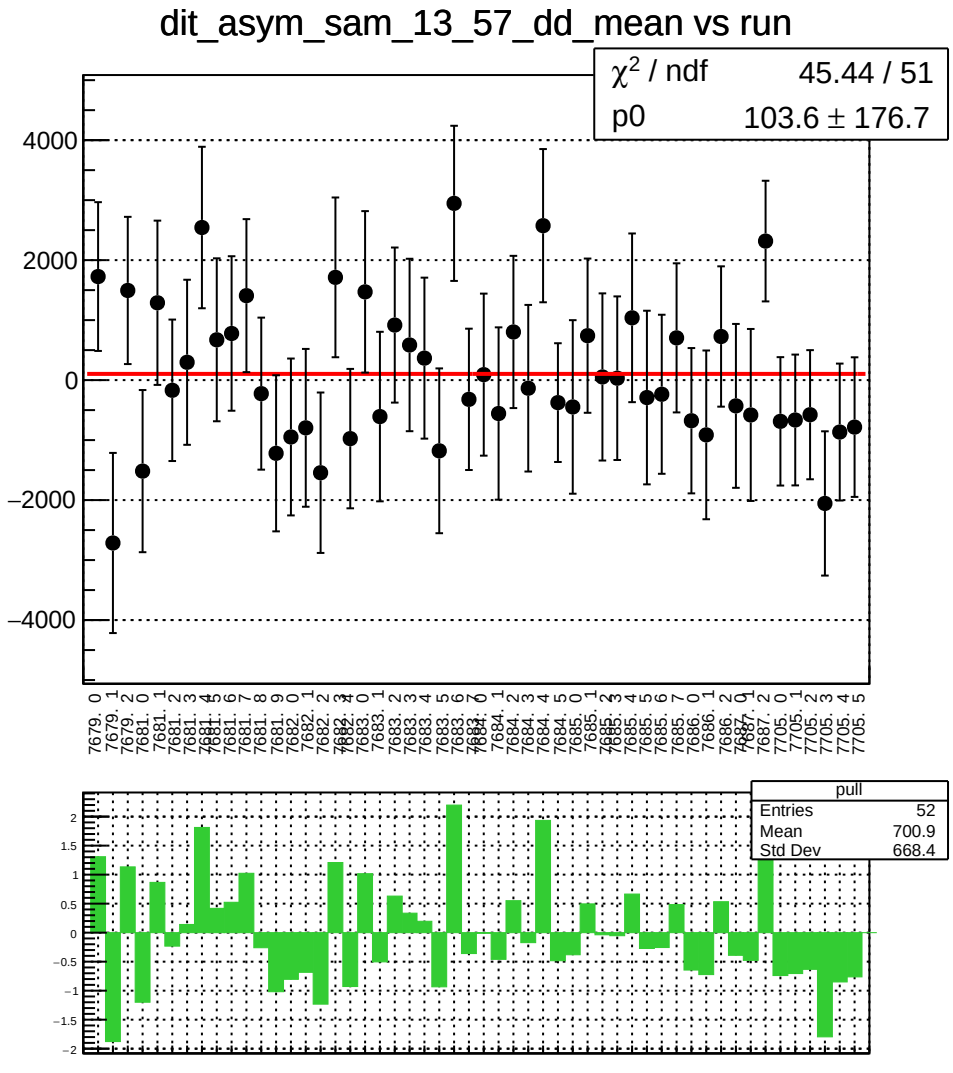

pull1D
Entries 52
Mean 0.04645
Std Dev 1.064

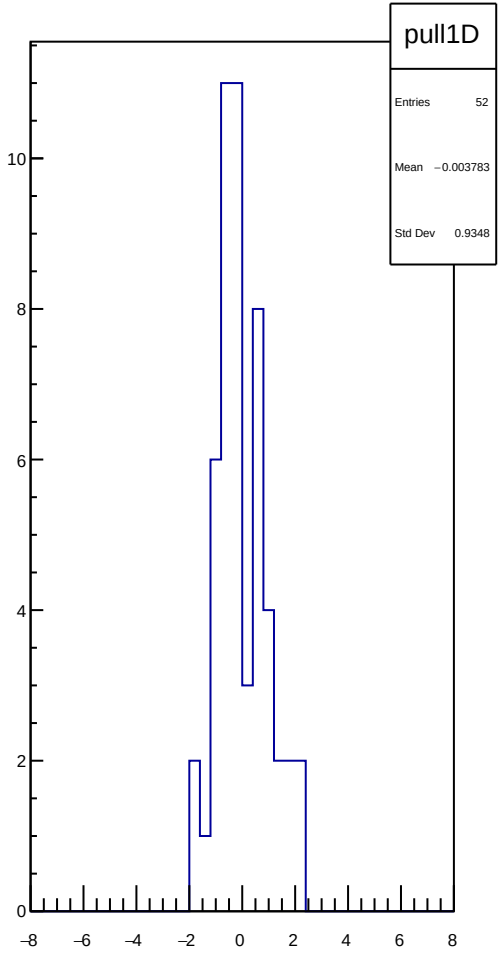

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1.413e+04 / 51
p0 2710 ± 2.747
3200
3000
2800
2600
2400
2200
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

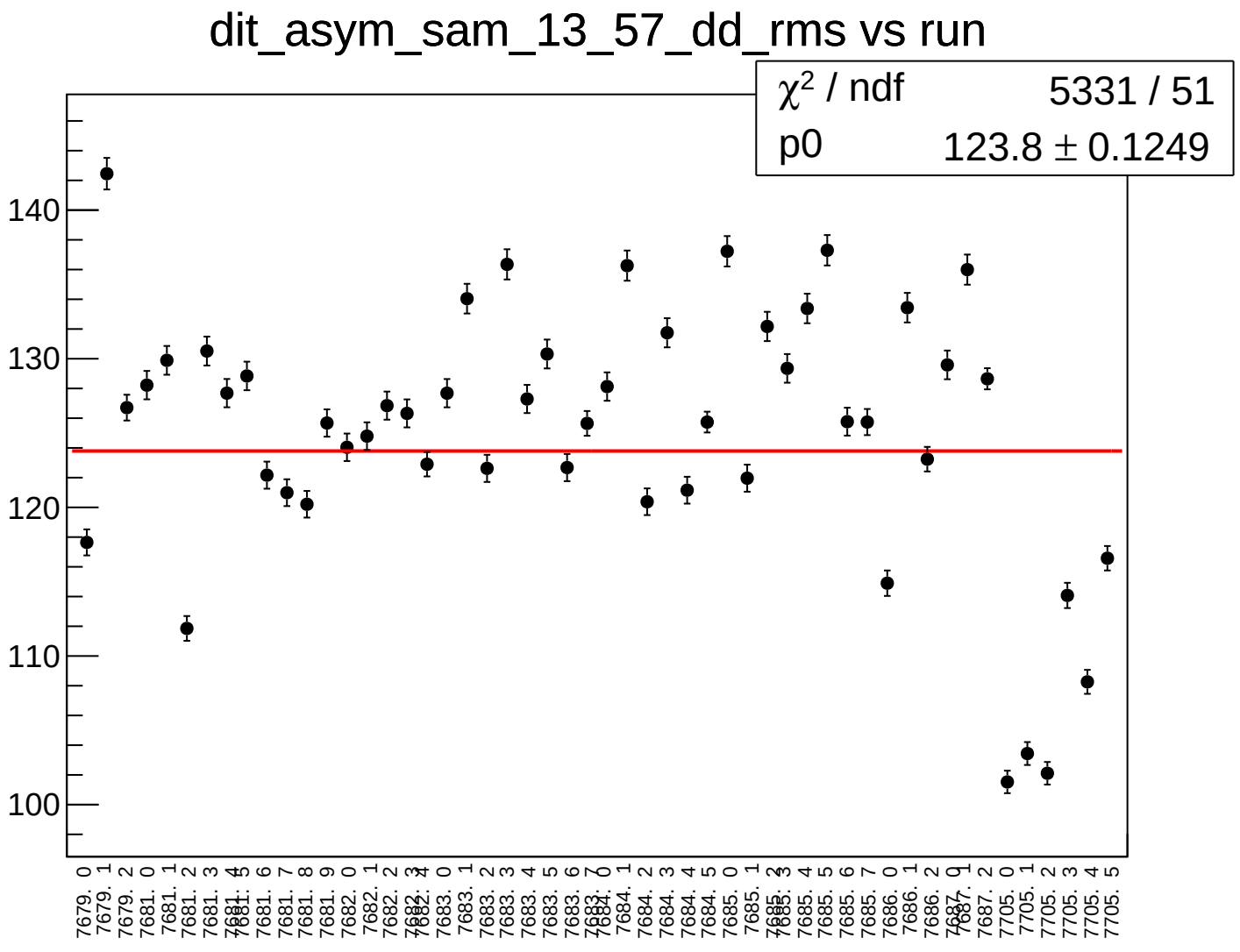

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 59.18 / 51
p0 −977.7 ± 3779
pull
Entries 52
Mean −56.18
Std Dev 86.86

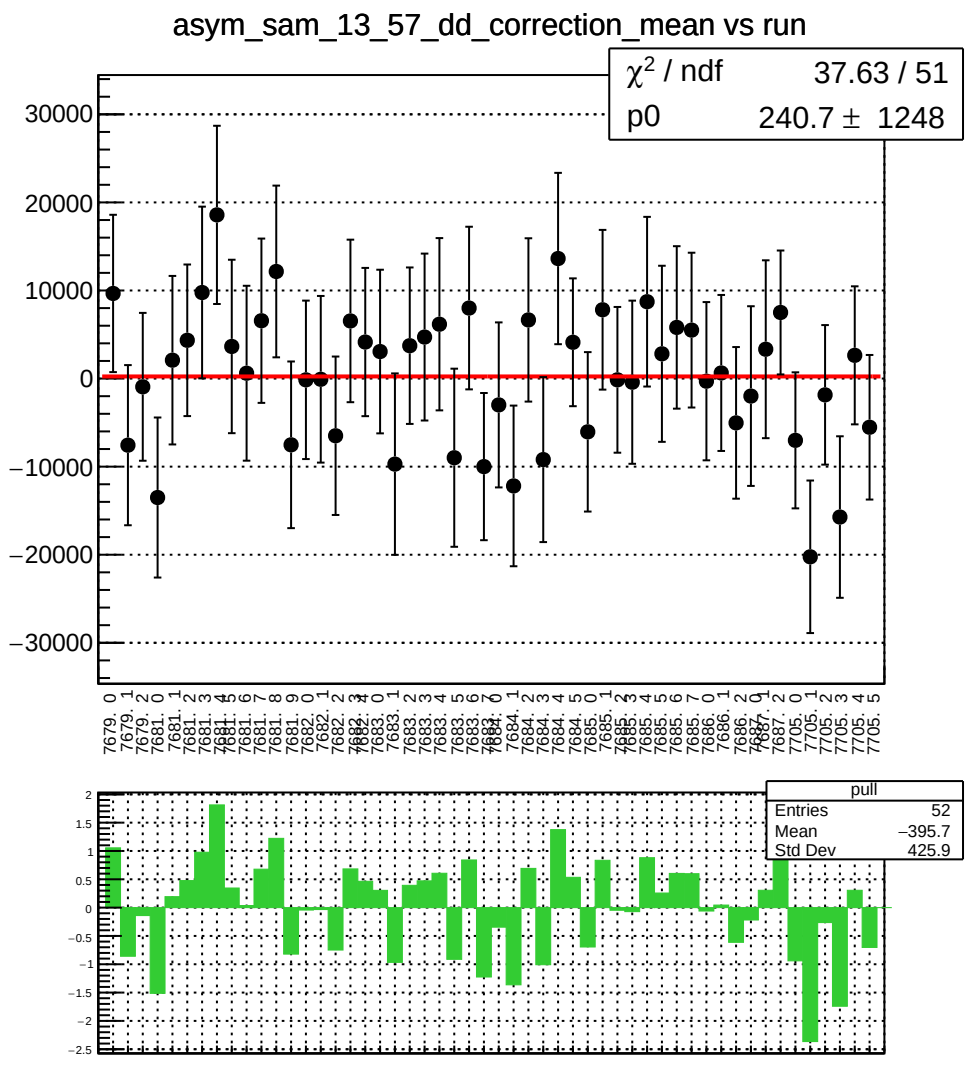

pull1D
Entries 52
Mean −0.05114
Std Dev 1.066

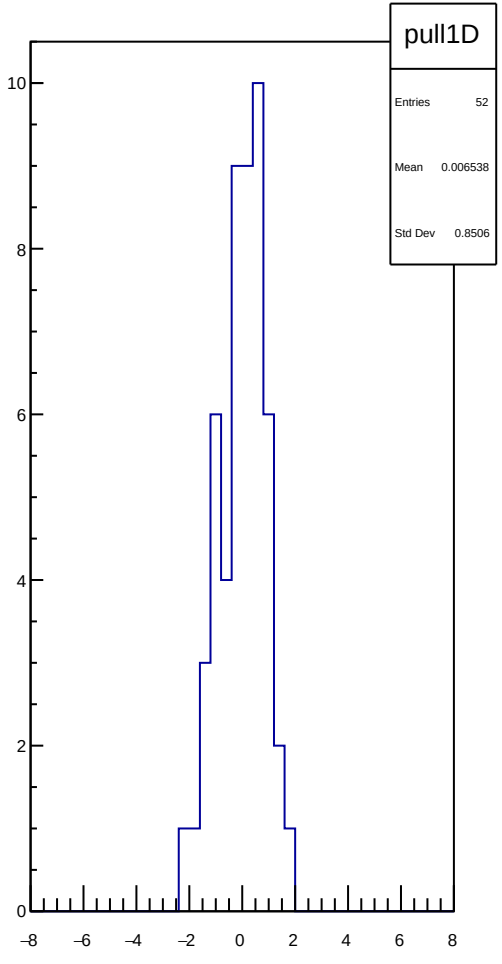

asym_sam_48_dd_rms vs run
χ² / ndf 1.65e+04 / 51
p0 2632 ± 2.672
3200
3000
2800
2600
2400
2200
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

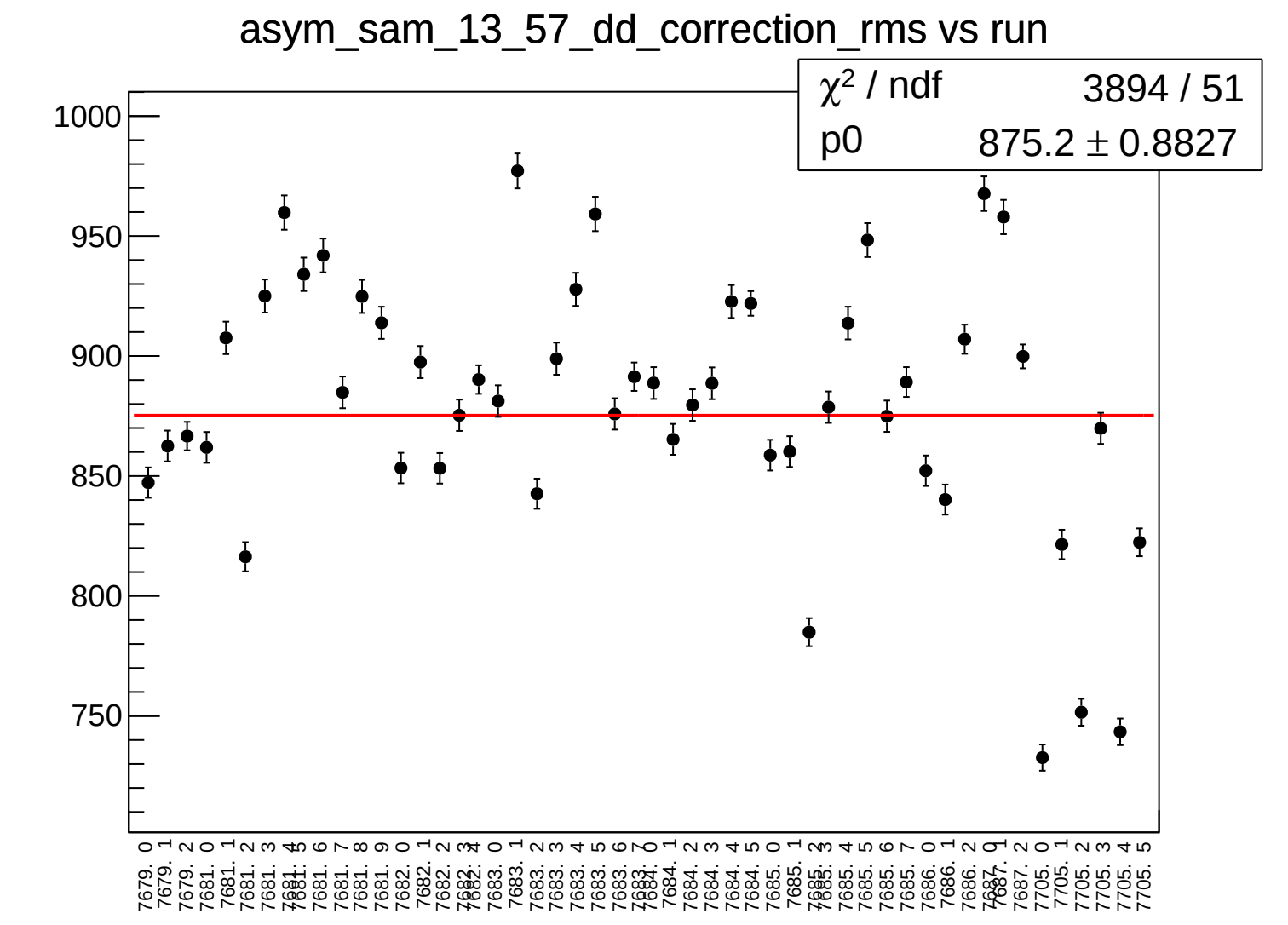

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 45.44 / 51
p0 103.6 ± 176.7
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 700.9
Std Dev 668.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

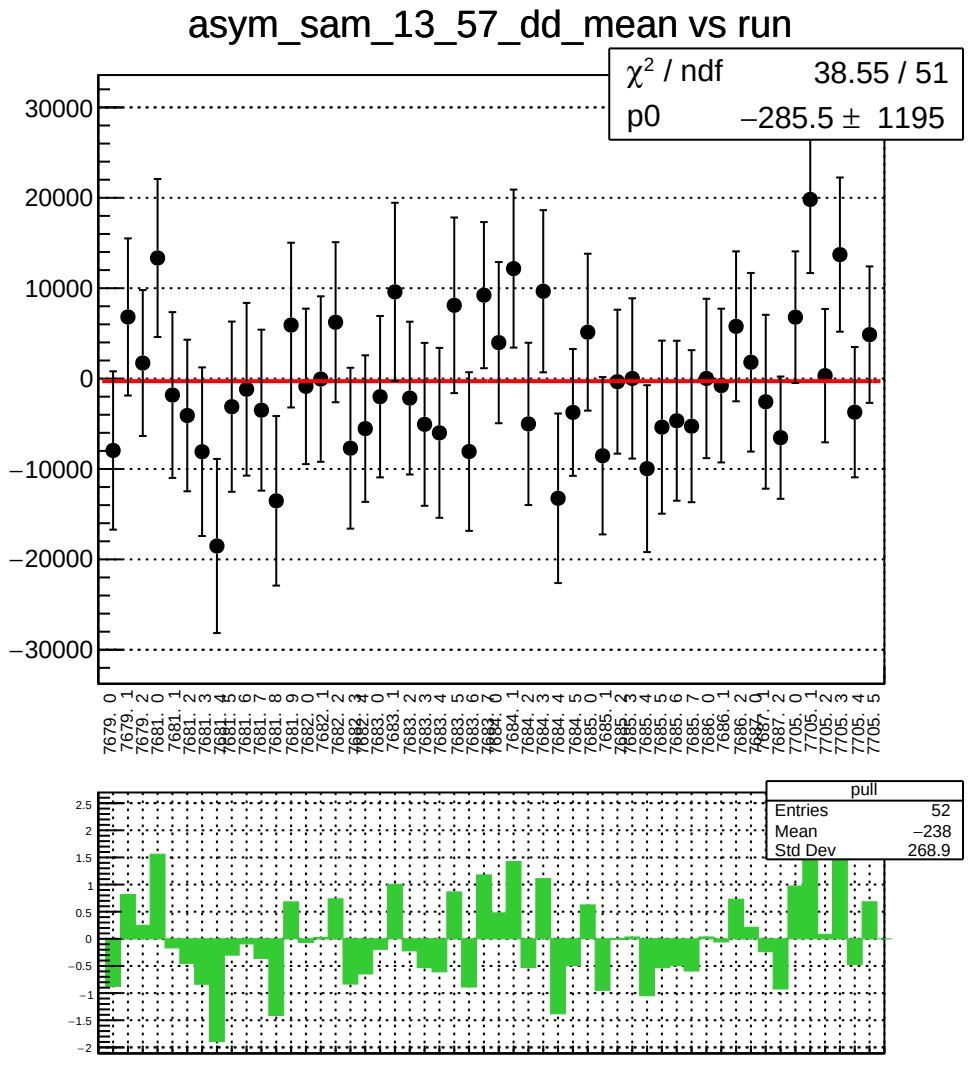

pull1D
Entries 52
Mean −0.003783
Std Dev 0.9348
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

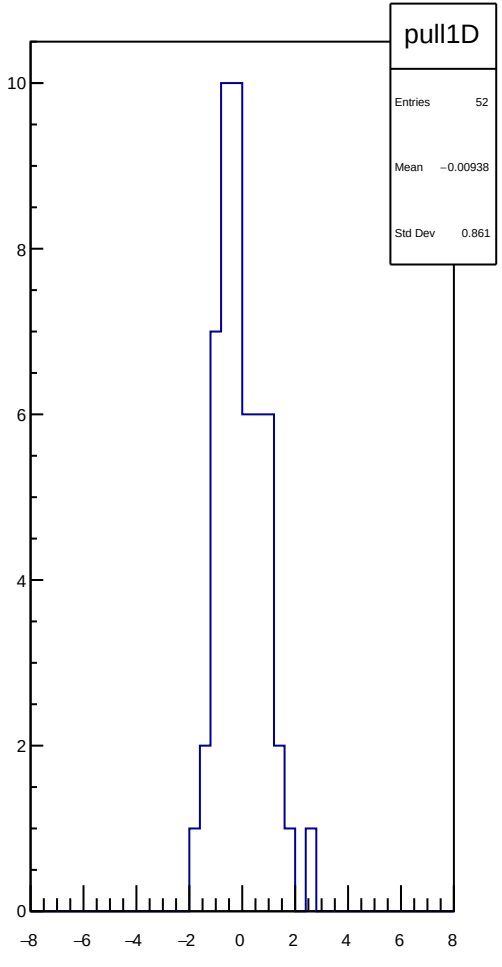

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5331 / 51
p0 123.8 ± 0.1249
140
130
120
110
100

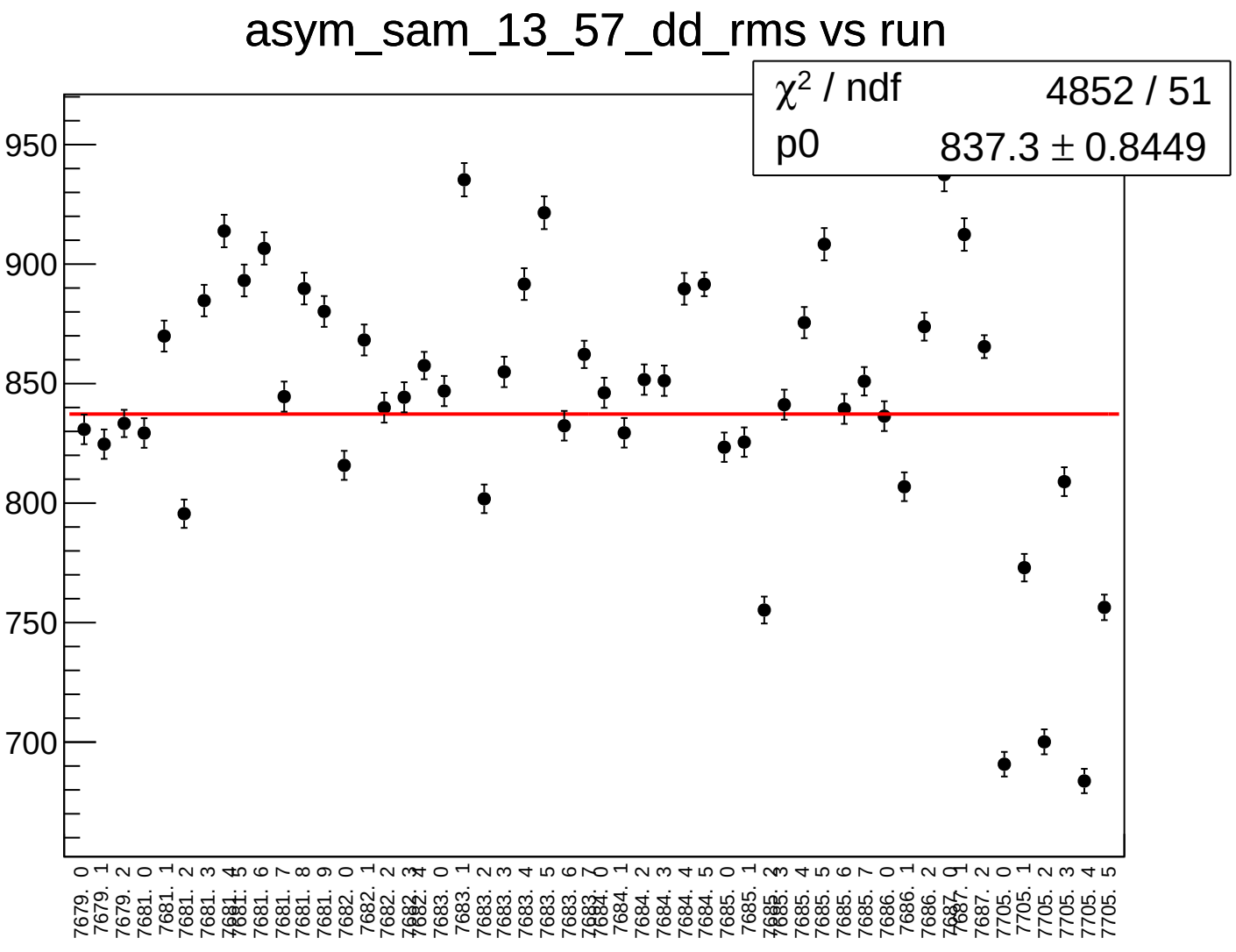

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 37.63 / 51
p0 240.7 ± 1248
pull
Entries 52
Mean −395.7
Std Dev 425.9

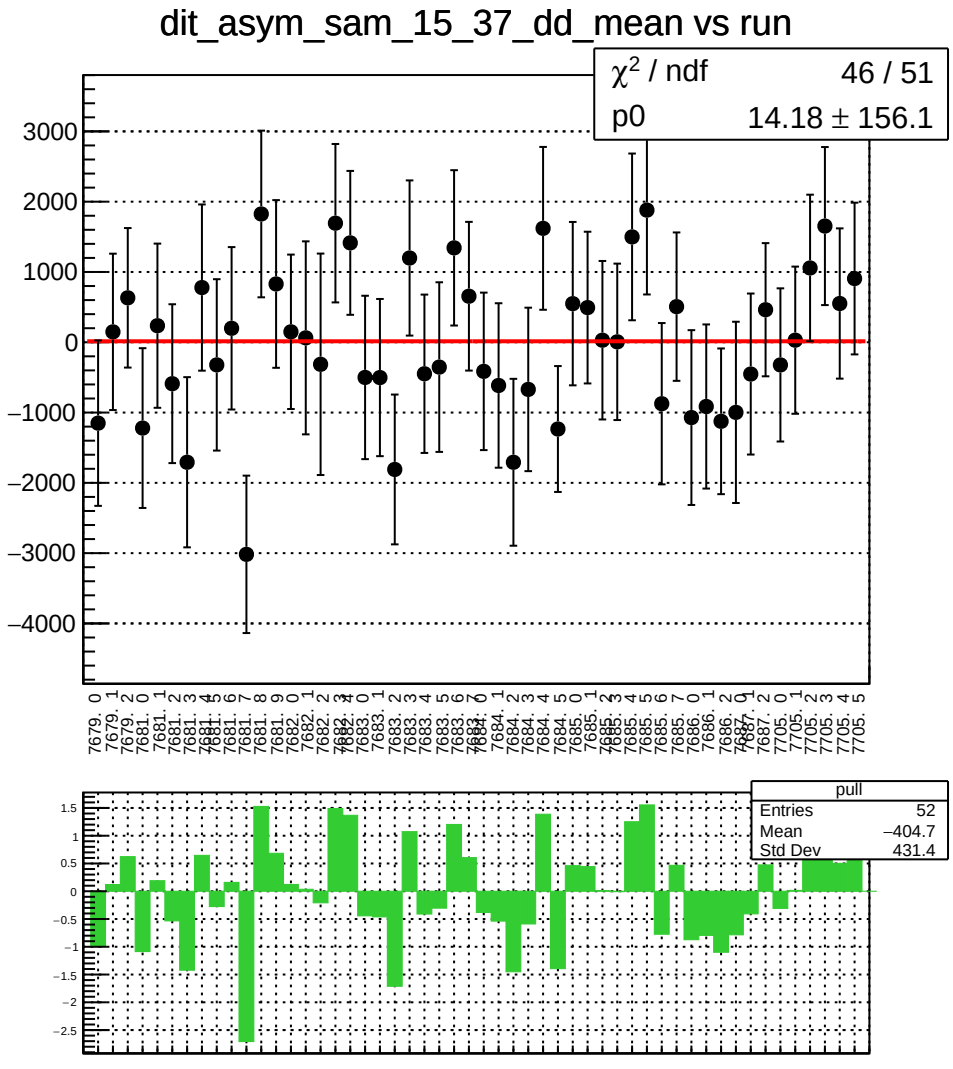

pull1D
Entries 52
Mean 0.006538
Std Dev 0.8506

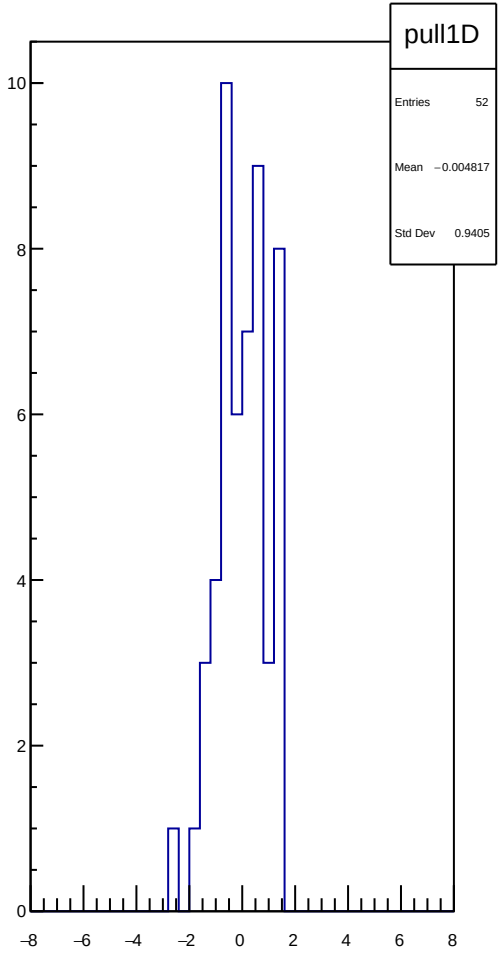

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 3894 / 51
p0 875.2 ± 0.8827
1000
950
900
850
800
750
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

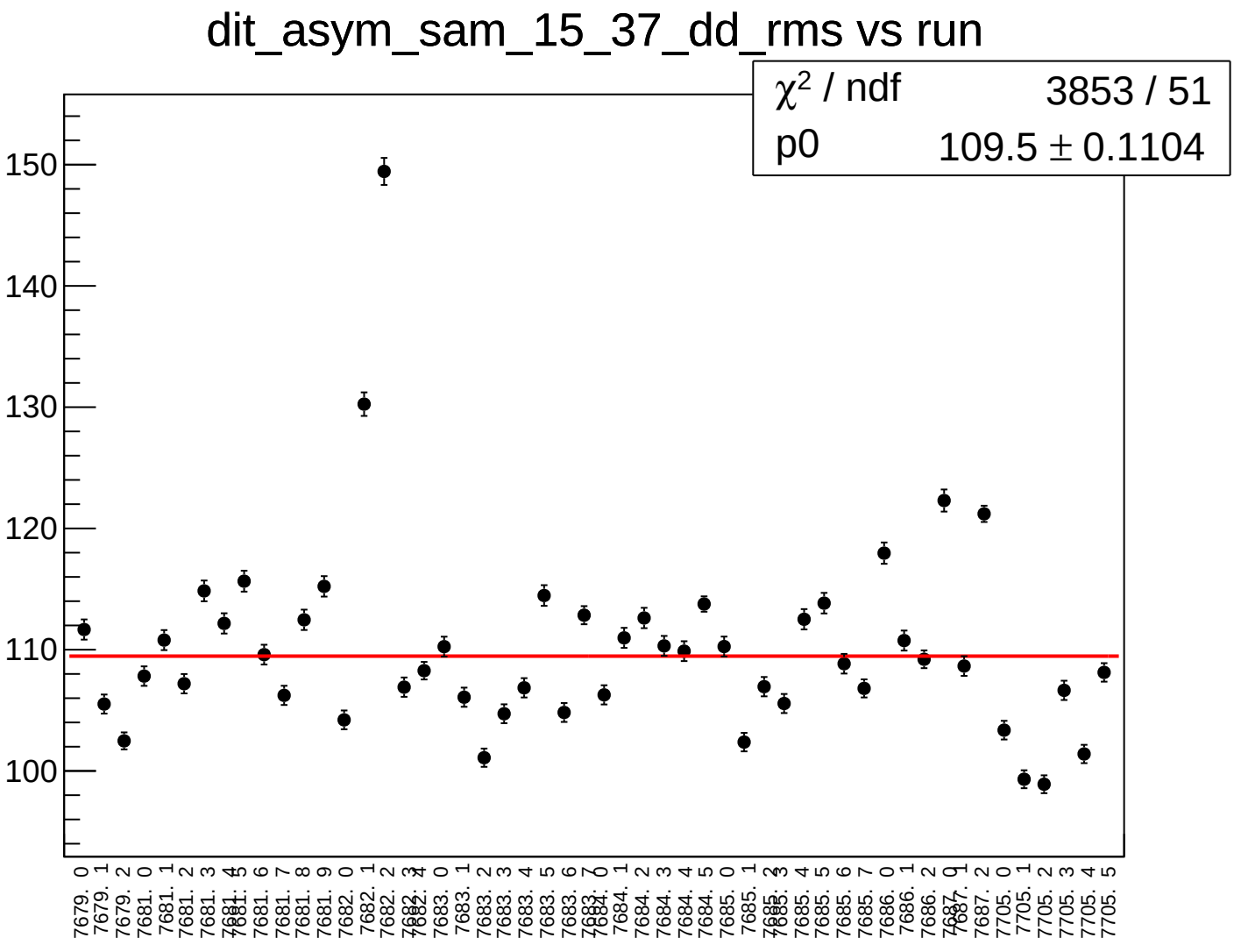

asym_sam_13_57_dd_mean vs run
χ² / ndf 38.55 / 51
p0 −285.5 ± 1195
pull
Entries 52
Mean −238
Std Dev 268.9

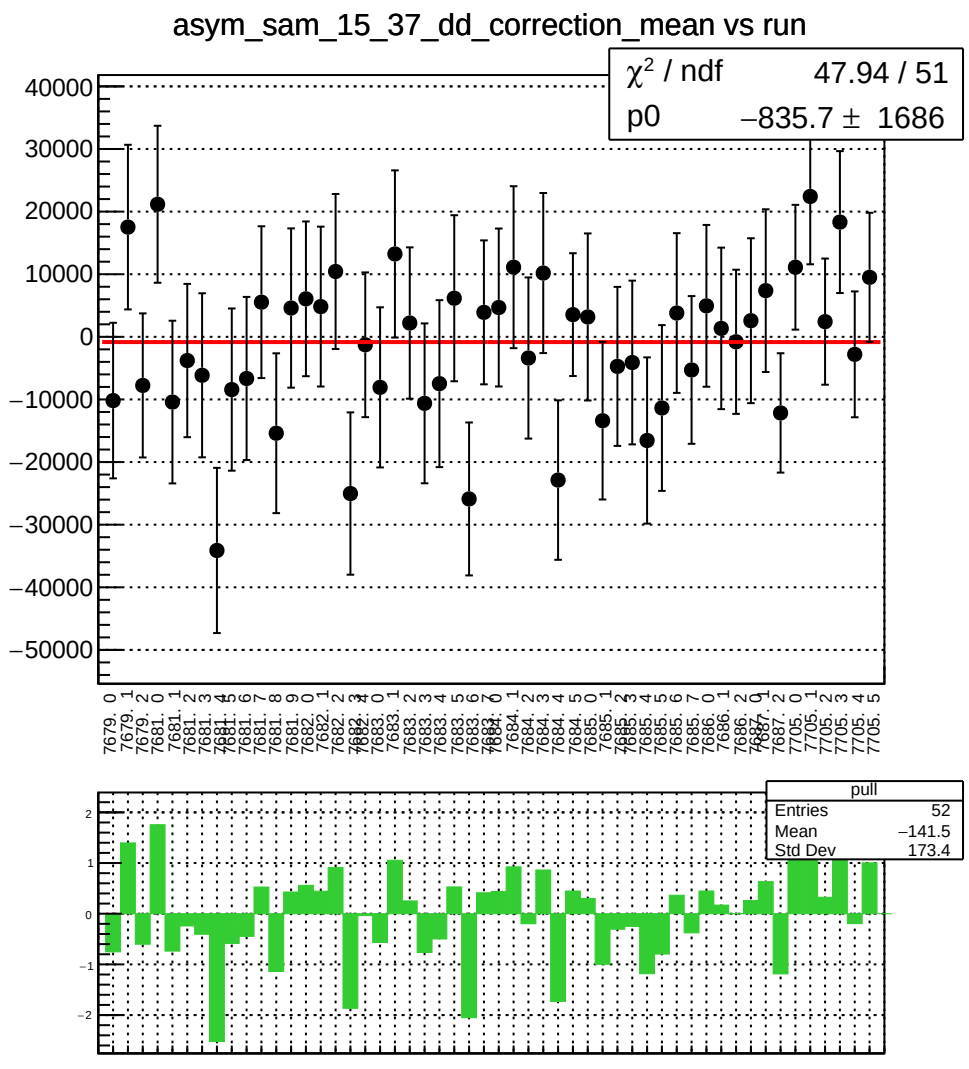

pull1D
Entries 52
Mean −0.00938
Std Dev 0.861

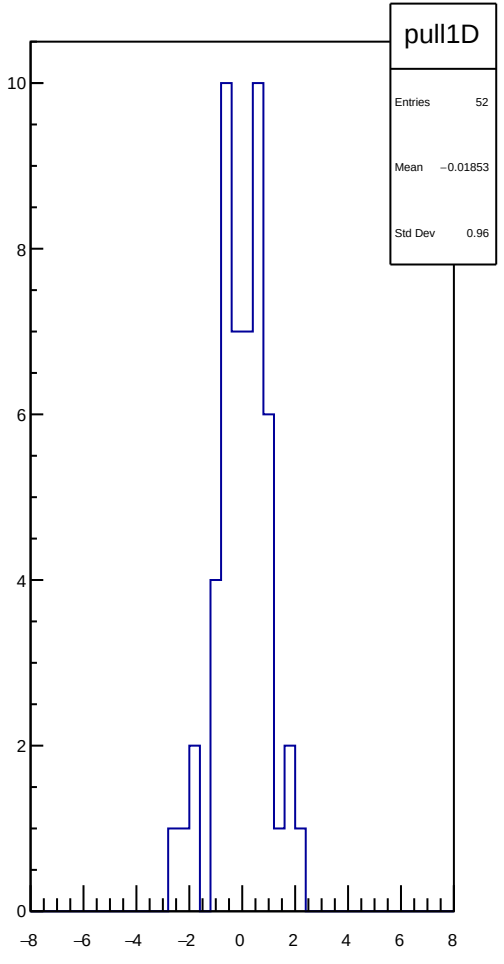

asym_sam_13_57_dd_rms vs run
χ² / ndf 4852 / 51
p0 837.3 ± 0.8449
950
900
850
800
750
700
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

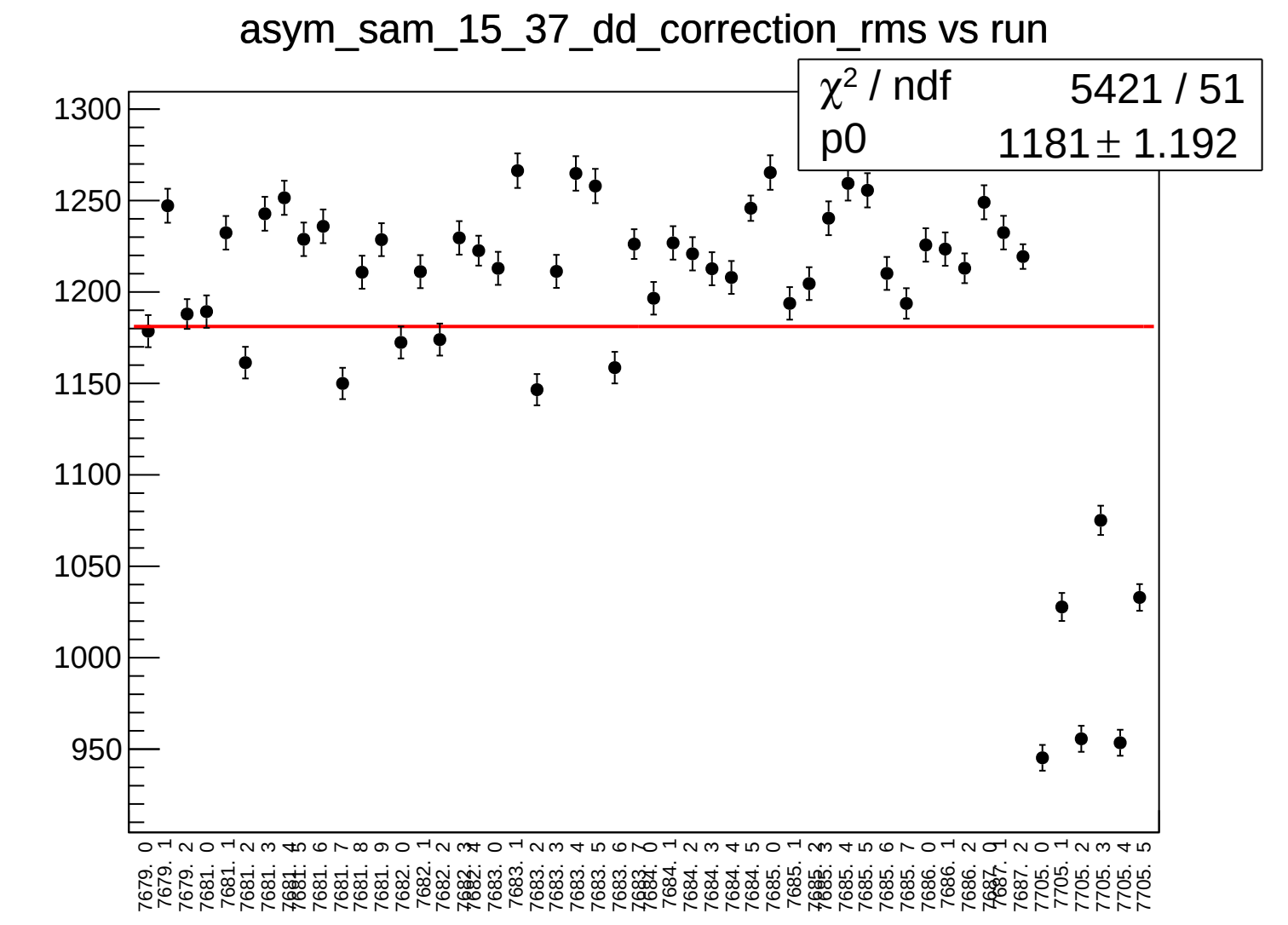

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 46 / 51
p0 14.18 ± 156.1
pull
Entries 52
Mean −404.7
Std Dev 431.4

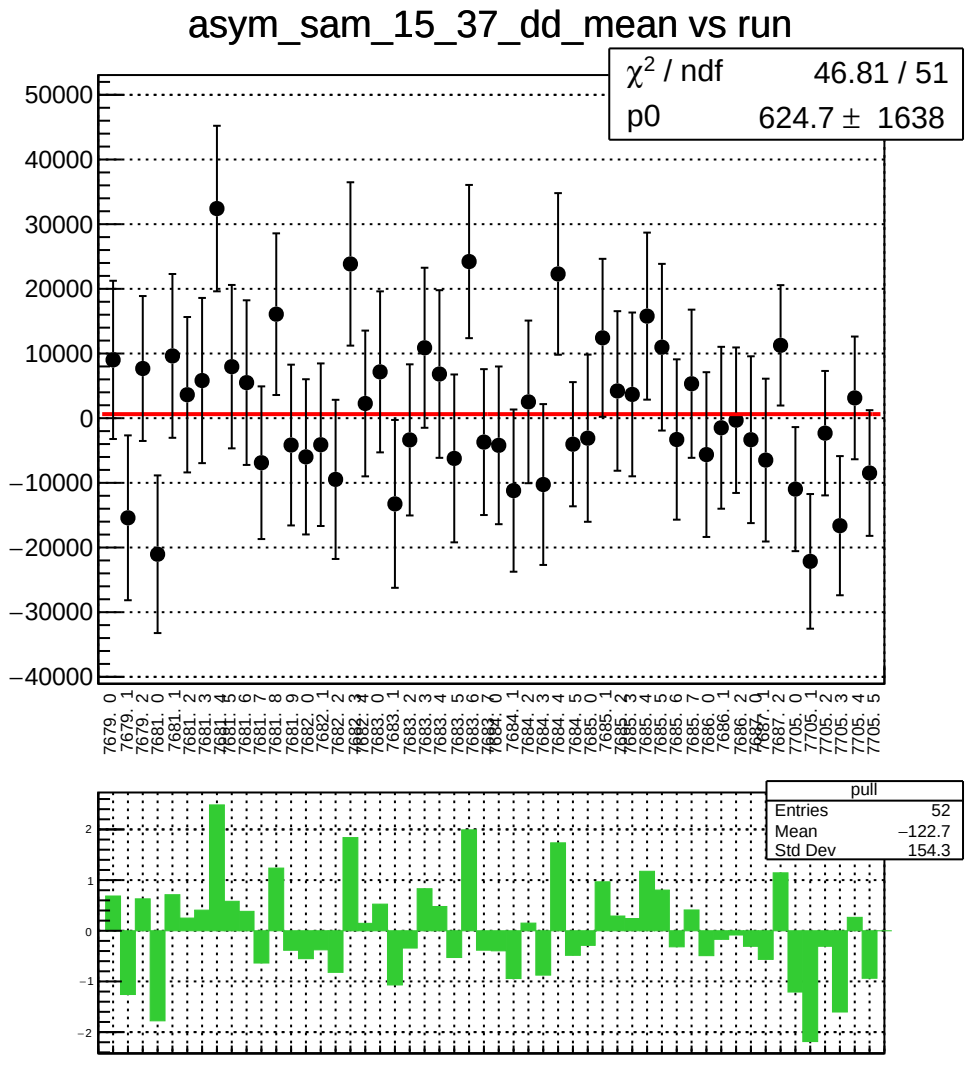

pull1D
Entries 52
Mean −0.004817
Std Dev 0.9405

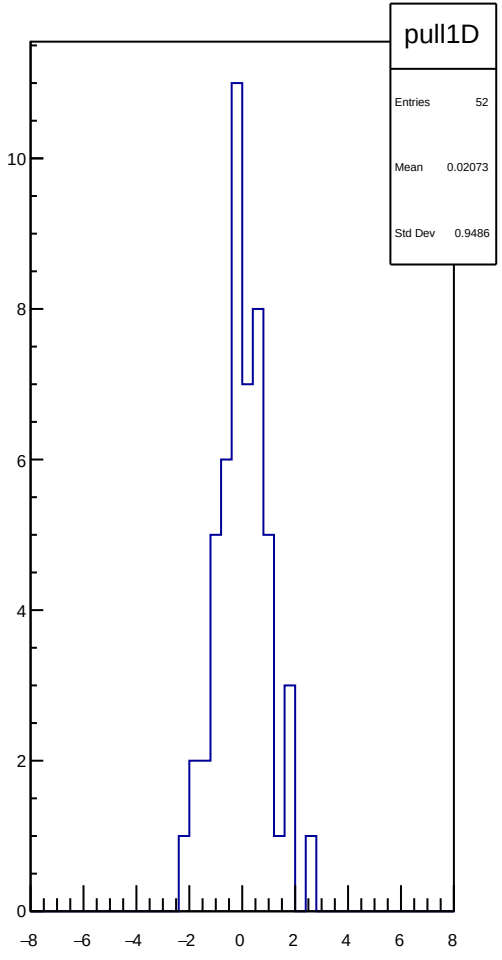

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3853 / 51
p0 109.5 ± 0.1104
150
140
130
120
110
100
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

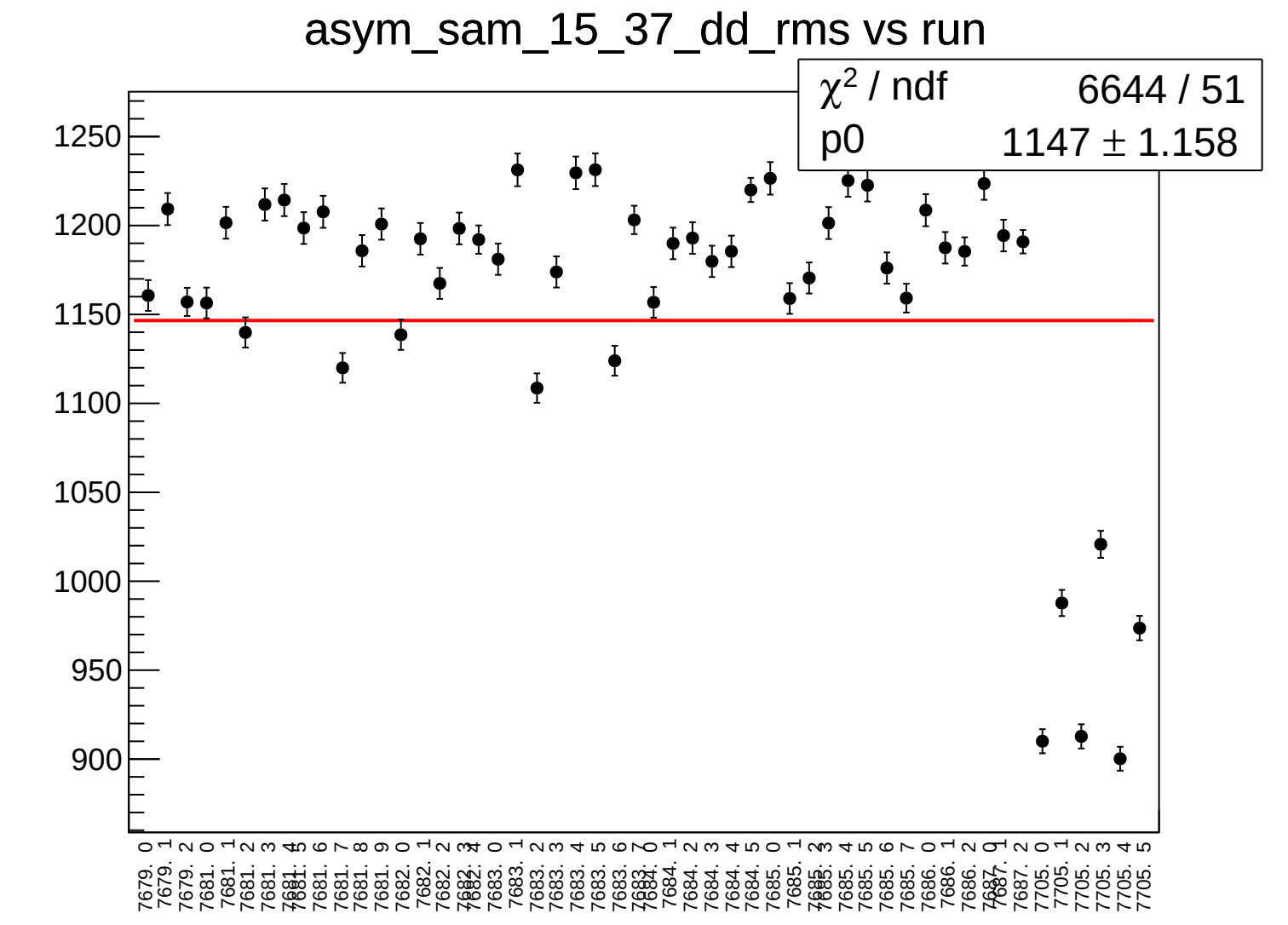

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 47.94 / 51
p0 −835.7 ± 1686
pull
Entries 52
Mean −141.5
Std Dev 173.4

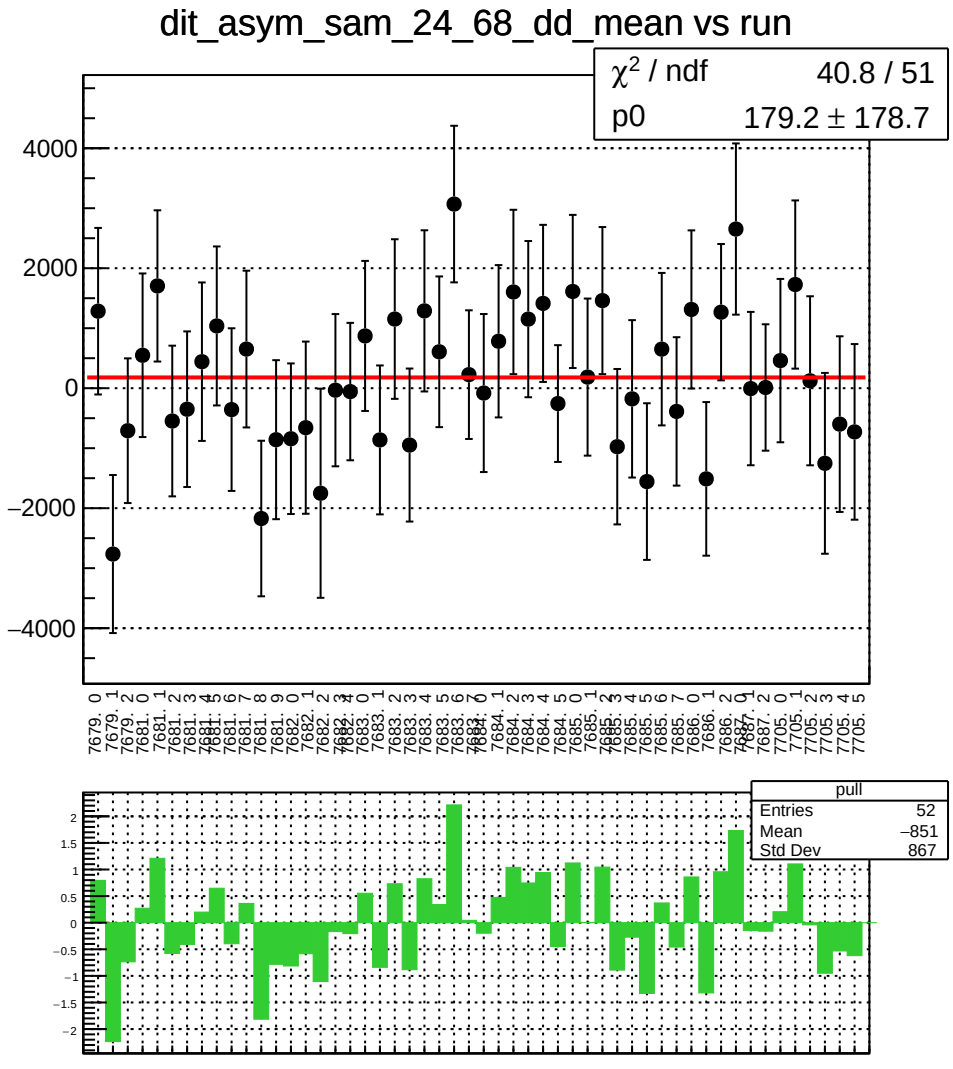

pull1D
Entries 52
Mean −0.01853
Std Dev 0.96

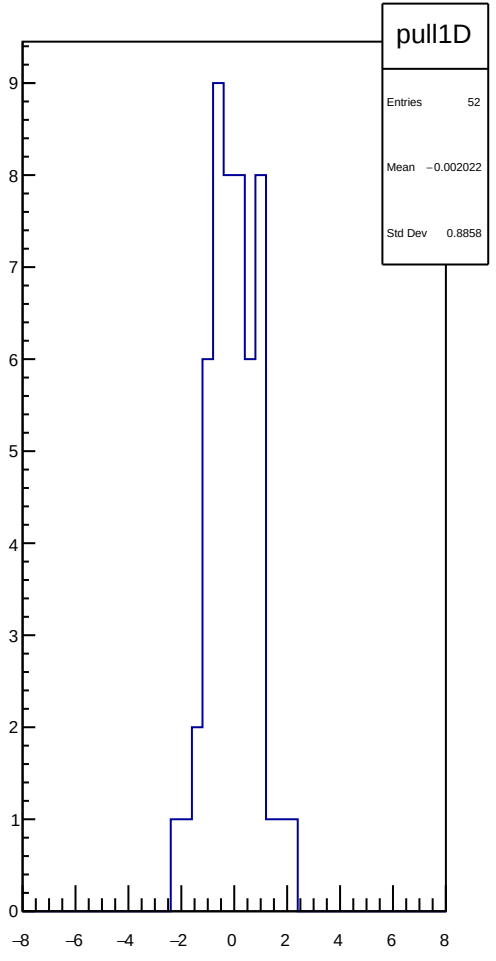

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 5421 / 51
p0 1181 ± 1.192
1300
1250
1200
1150
1100
1050
1000
950
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

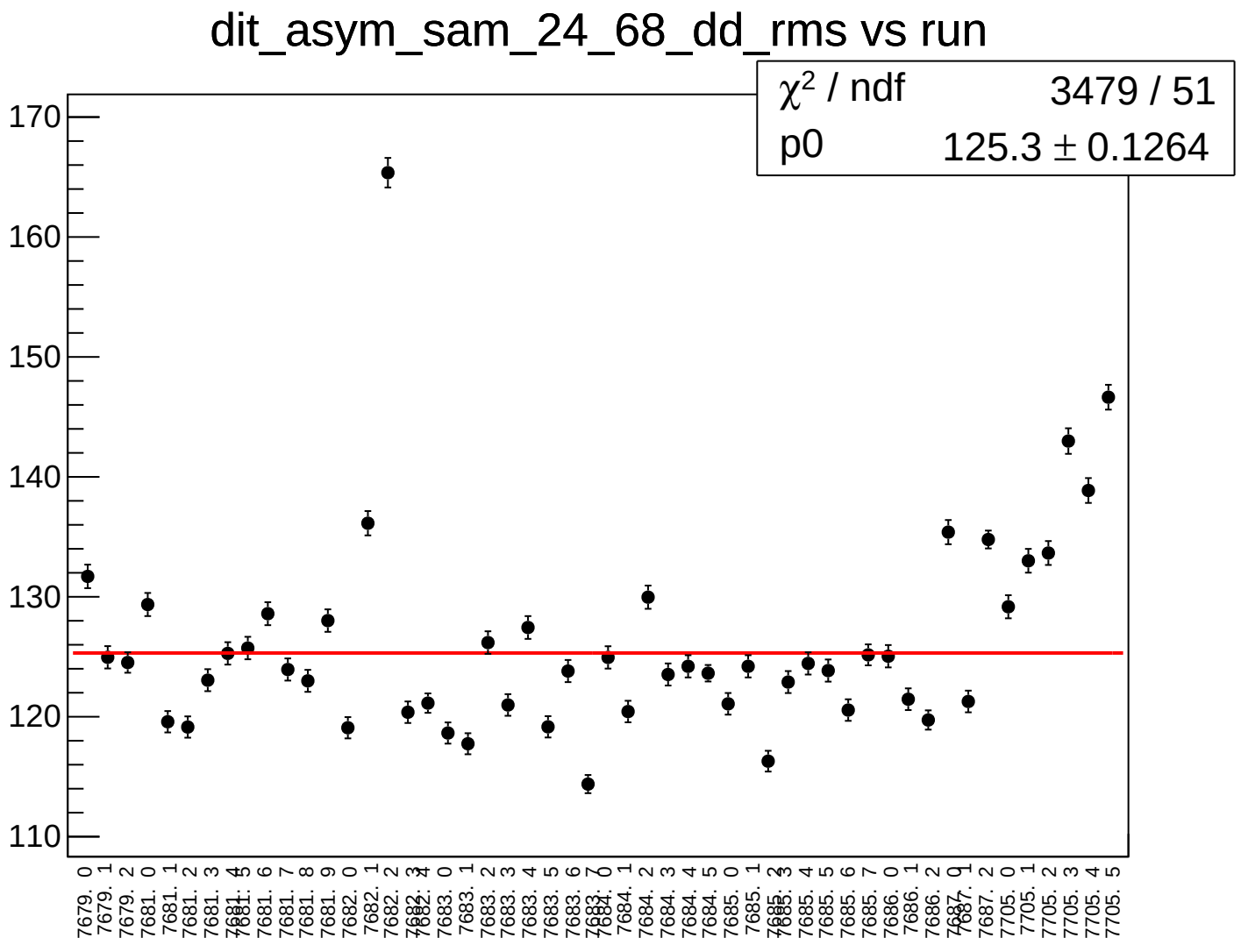

asym_sam_15_37_dd_mean vs run
χ² / ndf 46.81 / 51
p0 624.7 ± 1638
pull
Entries 52
Mean −122.7
Std Dev 154.3

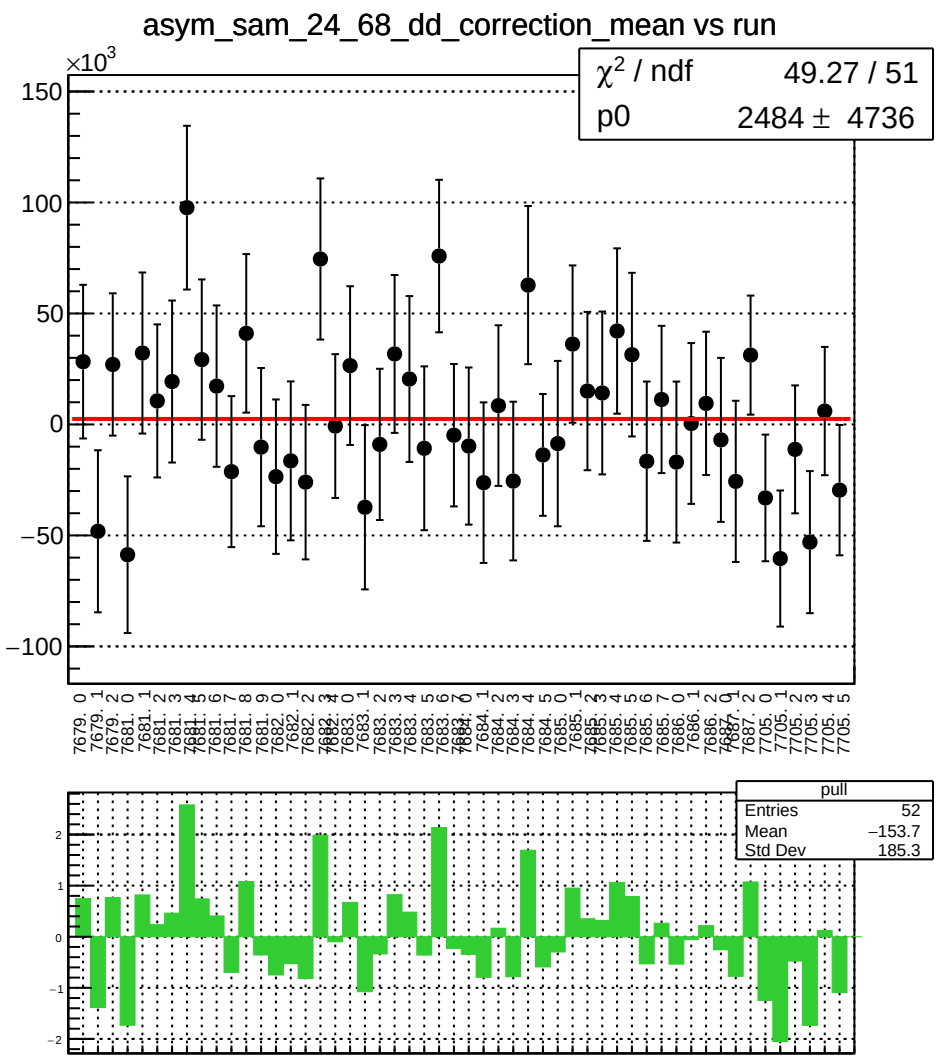

pull1D
Entries 52
Mean 0.02073
Std Dev 0.9486

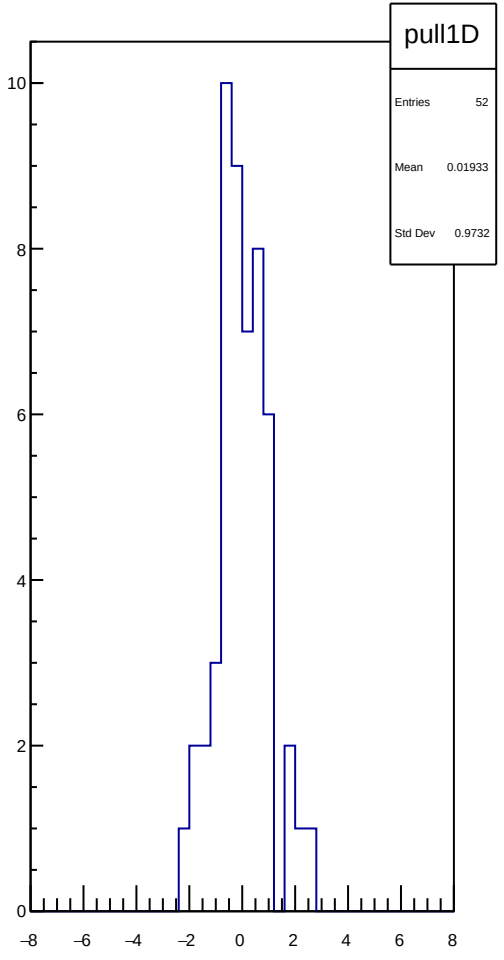

asym_sam_15_37_dd_rms vs run
χ² / ndf 6644 / 51
p0 1147 ± 1.158
1250
1200
1150
1100
1050
1000
950
900
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

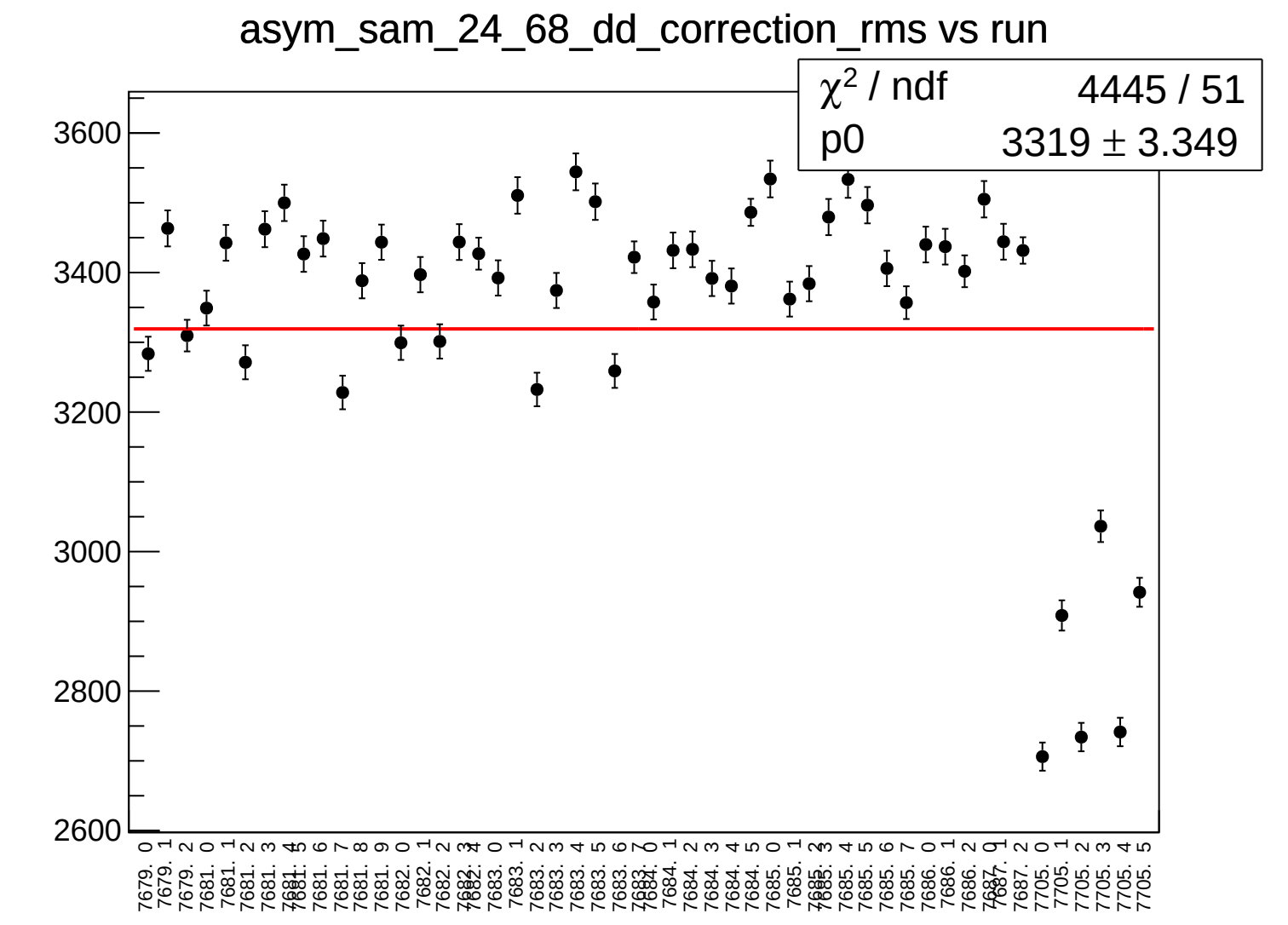

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 40.8 / 51
p0 179.2 ± 178.7
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −851
Std Dev 867
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

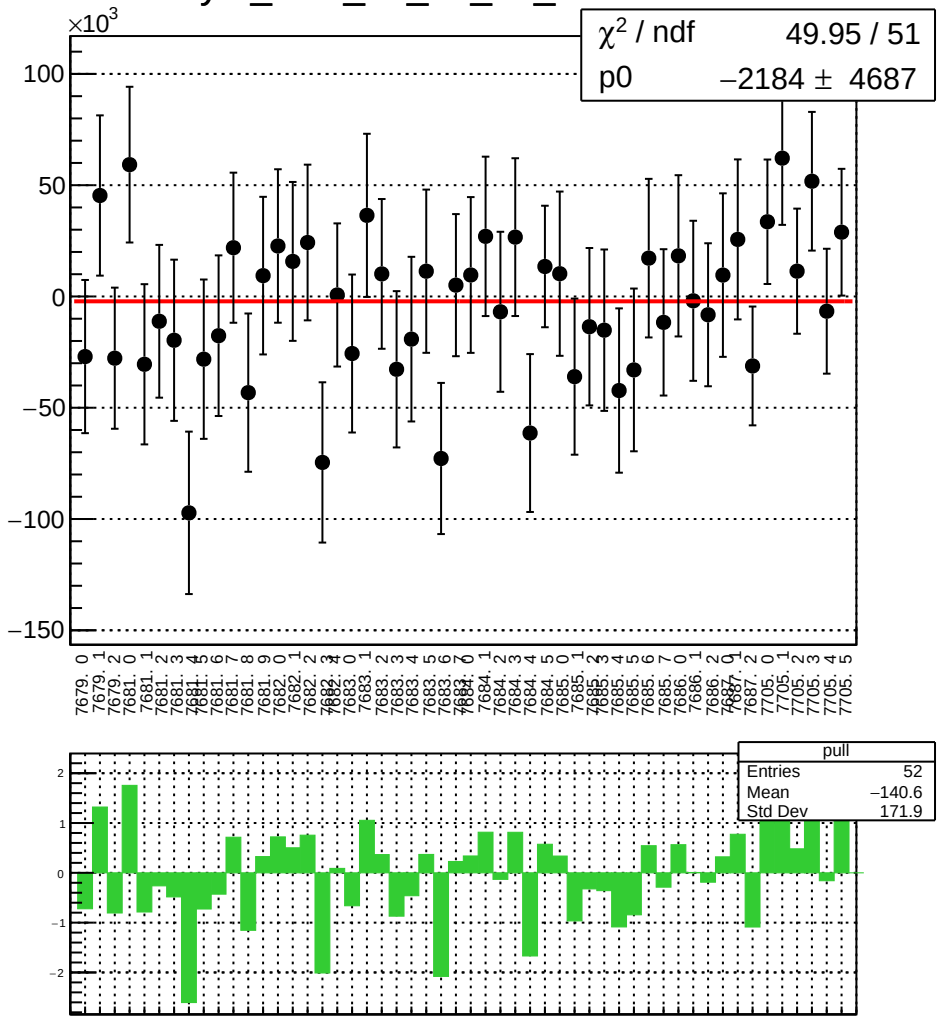

pull1D
Entries 52
Mean −0.002022
Std Dev 0.8858
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

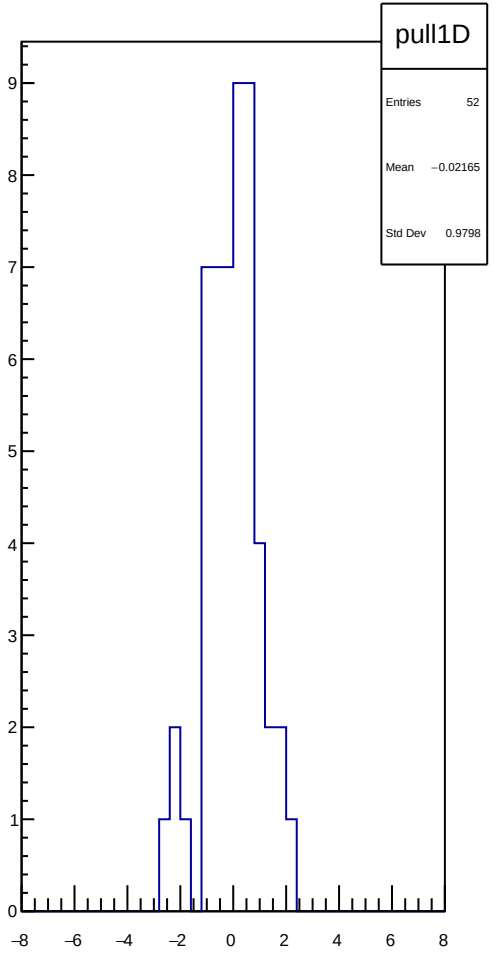

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 3479 / 51
p0 125.3 ± 0.1264
170
160
150
140
130
120
110
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

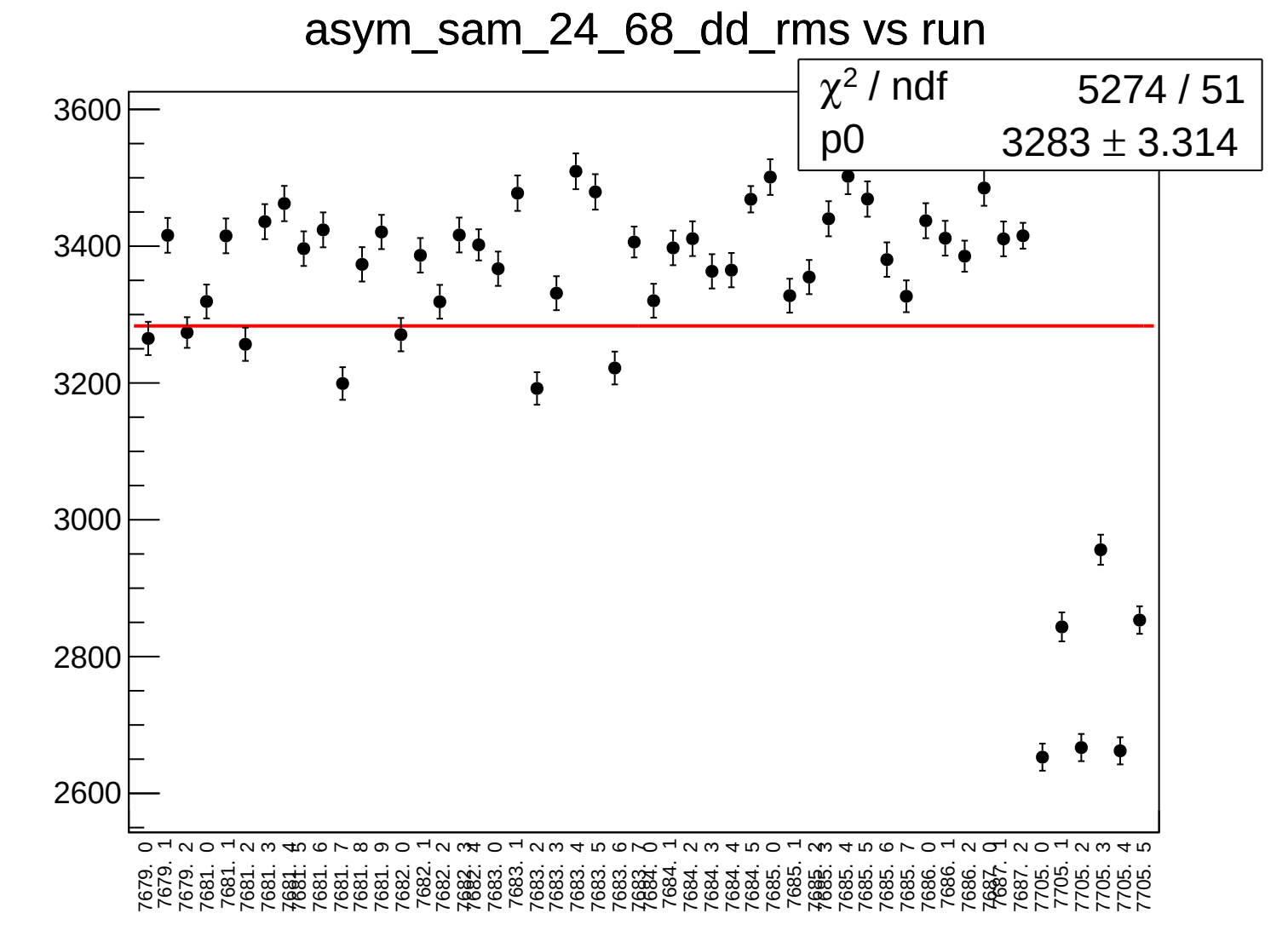

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 49.27 / 51
p0 2484 ± 4736
150
100
50
0
−50
−100
pull
Entries 52
Mean −153.7
Std Dev 185.3
2
1
0
−1
−2

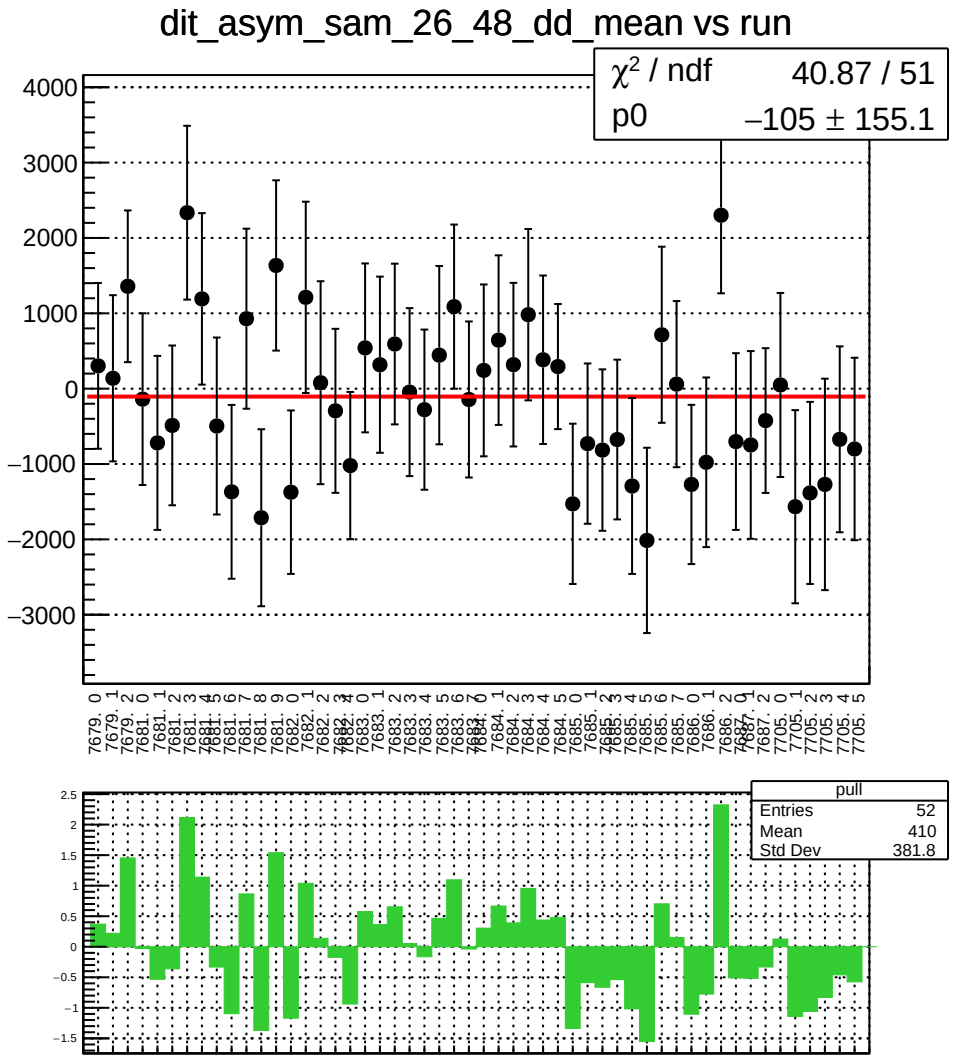

pull1D
Entries 52
Mean 0.01933
Std Dev 0.9732
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

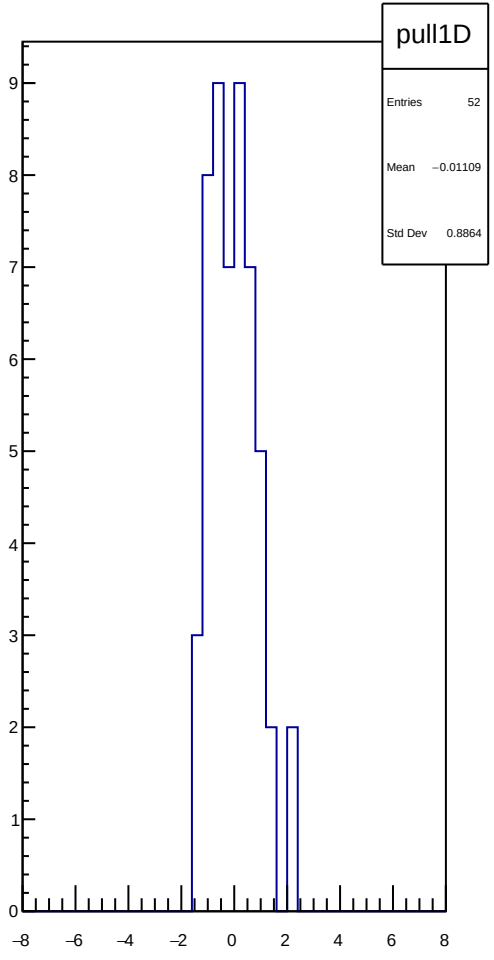

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4445 / 51
p0 3319 ± 3.349
3600
3400
3200
3000
2800
2600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

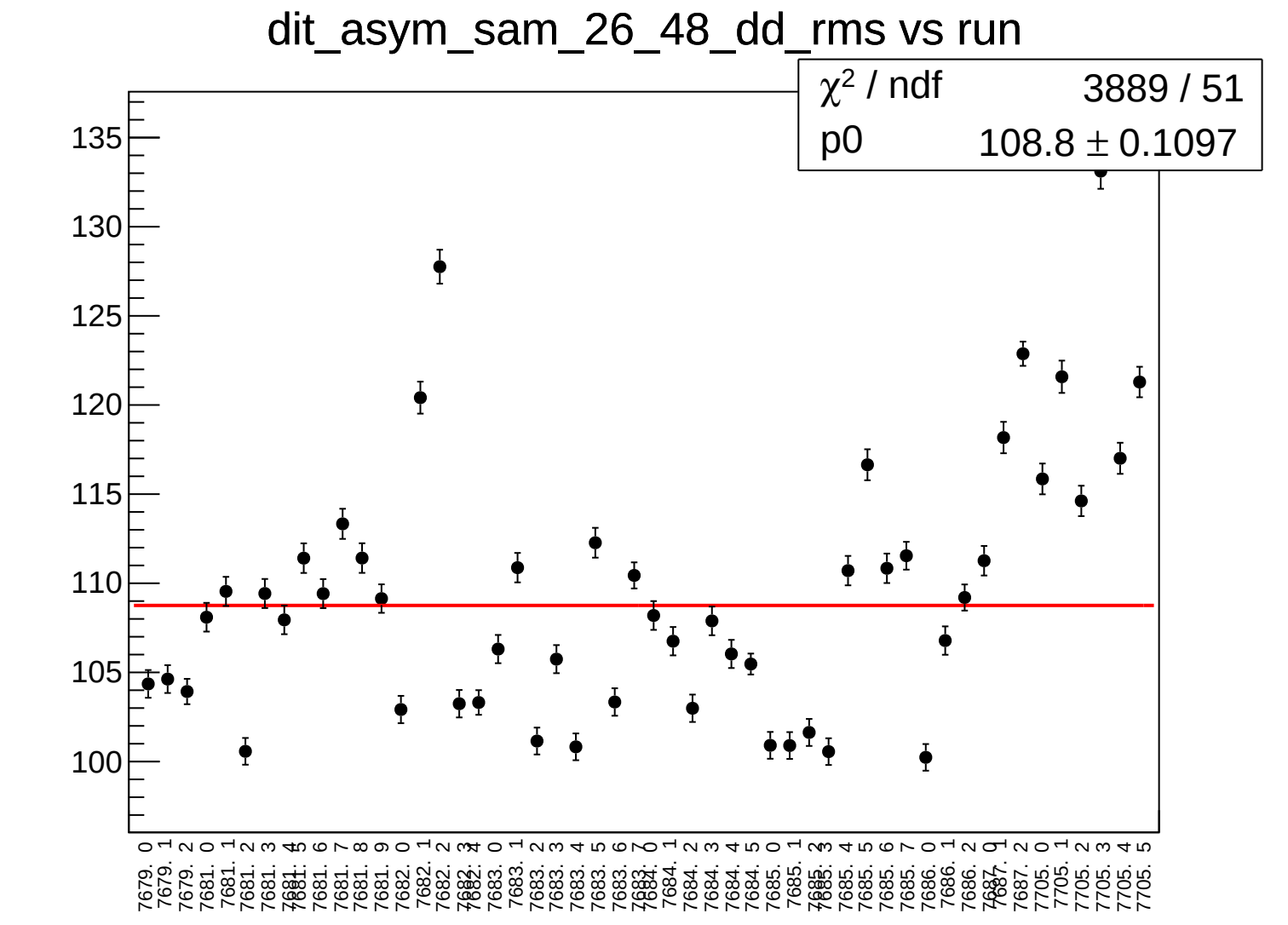

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 49.95 / 51
p0 −2184 ± 4687
100
50
0
−50
−100
−150
pull
Entries 52
Mean −140.6
Std Dev 171.9
2
1
0
−1
−2

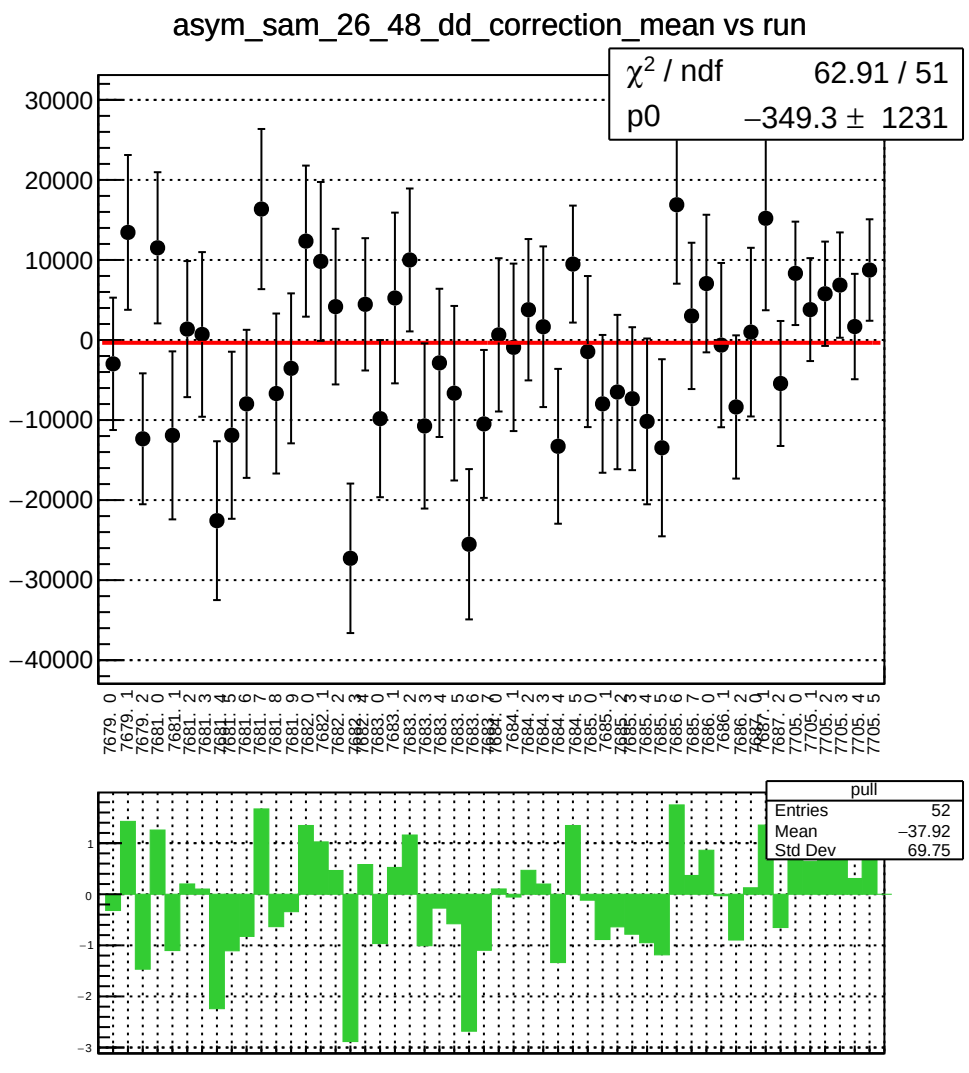

pull1D
Entries 52
Mean −0.02165
Std Dev 0.9798
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

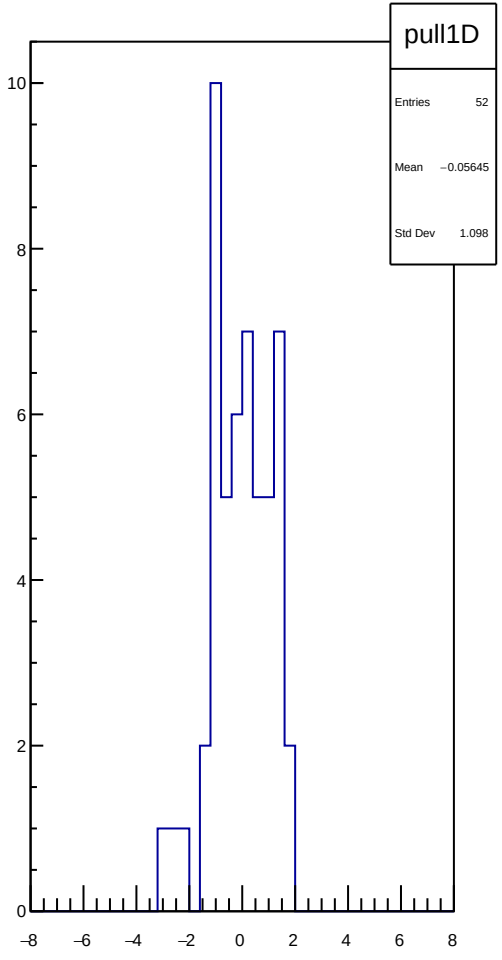

asym_sam_24_68_dd_rms vs run
χ² / ndf 5274 / 51
p0 3283 ± 3.314
3600
3400
3200
3000
2800
2600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

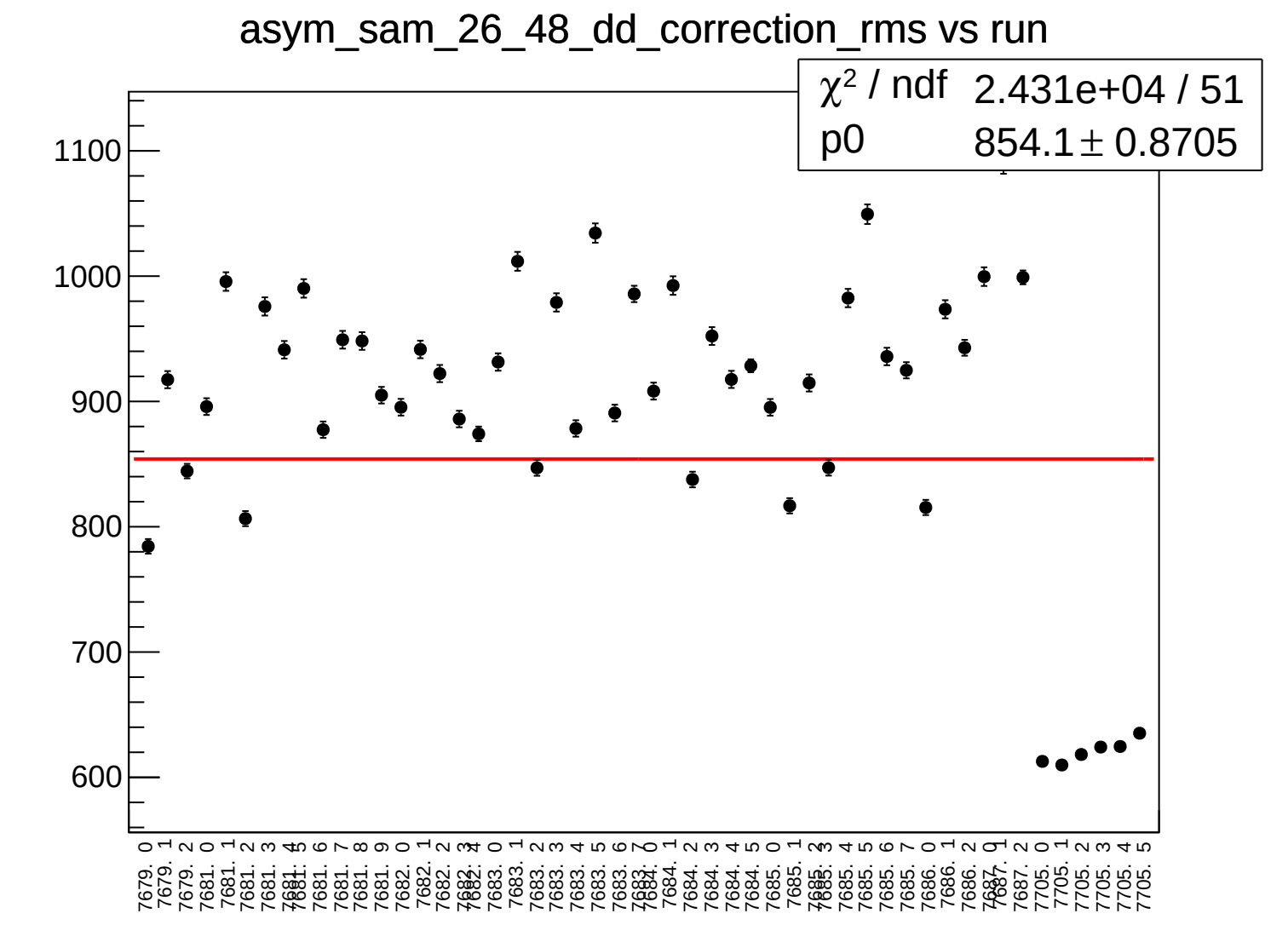

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 40.87 / 51
p0 −105 ± 155.1
pull
Entries 52
Mean 410
Std Dev 381.8

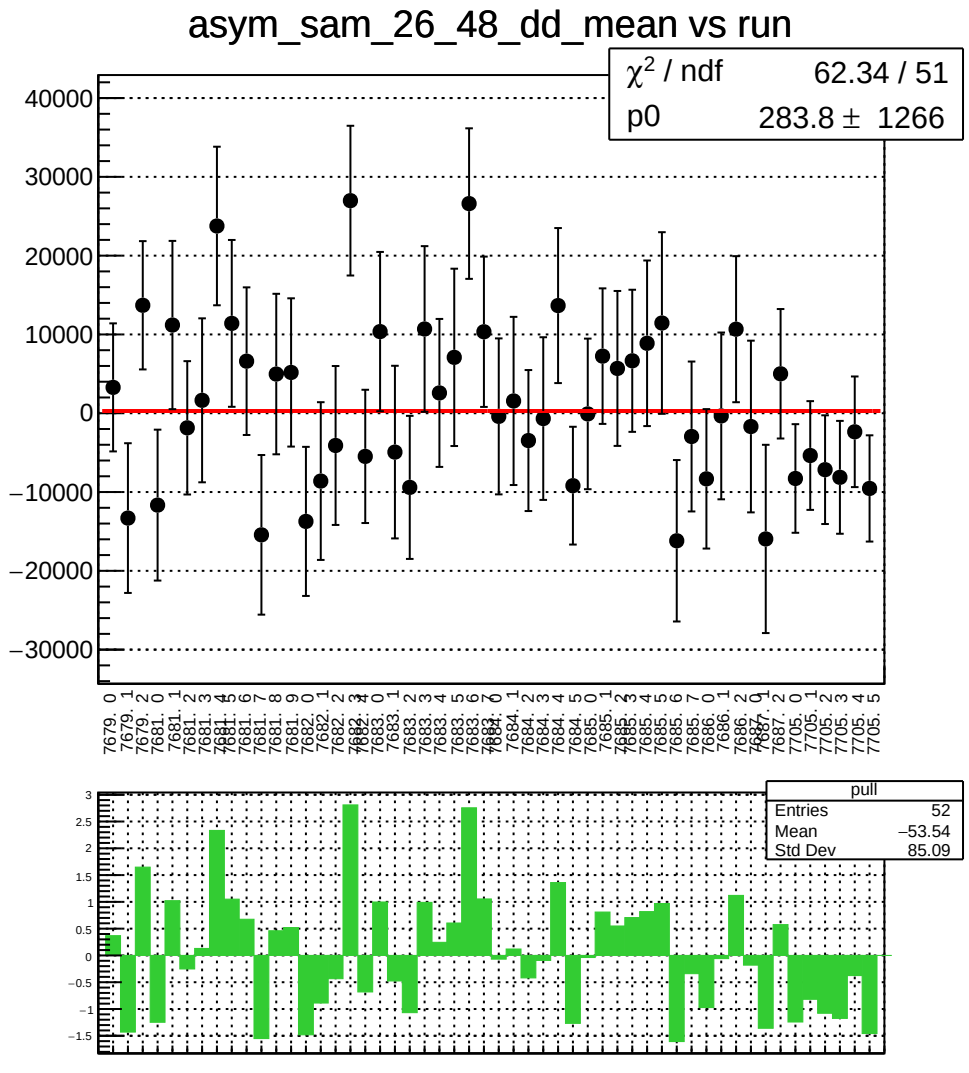

pull1D
Entries 52
Mean −0.01109
Std Dev 0.8864

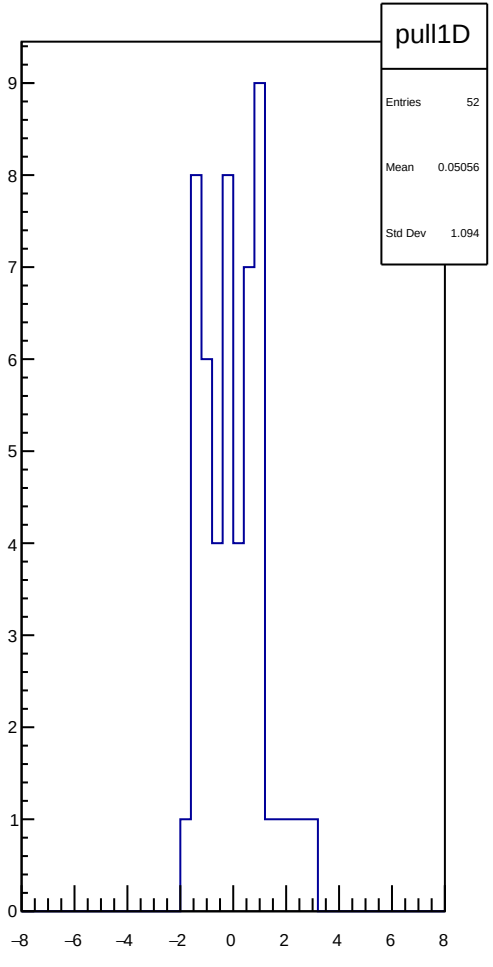

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 3889 / 51
p0 108.8 ± 0.1097
135
130
125
120
115
110
105
100
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

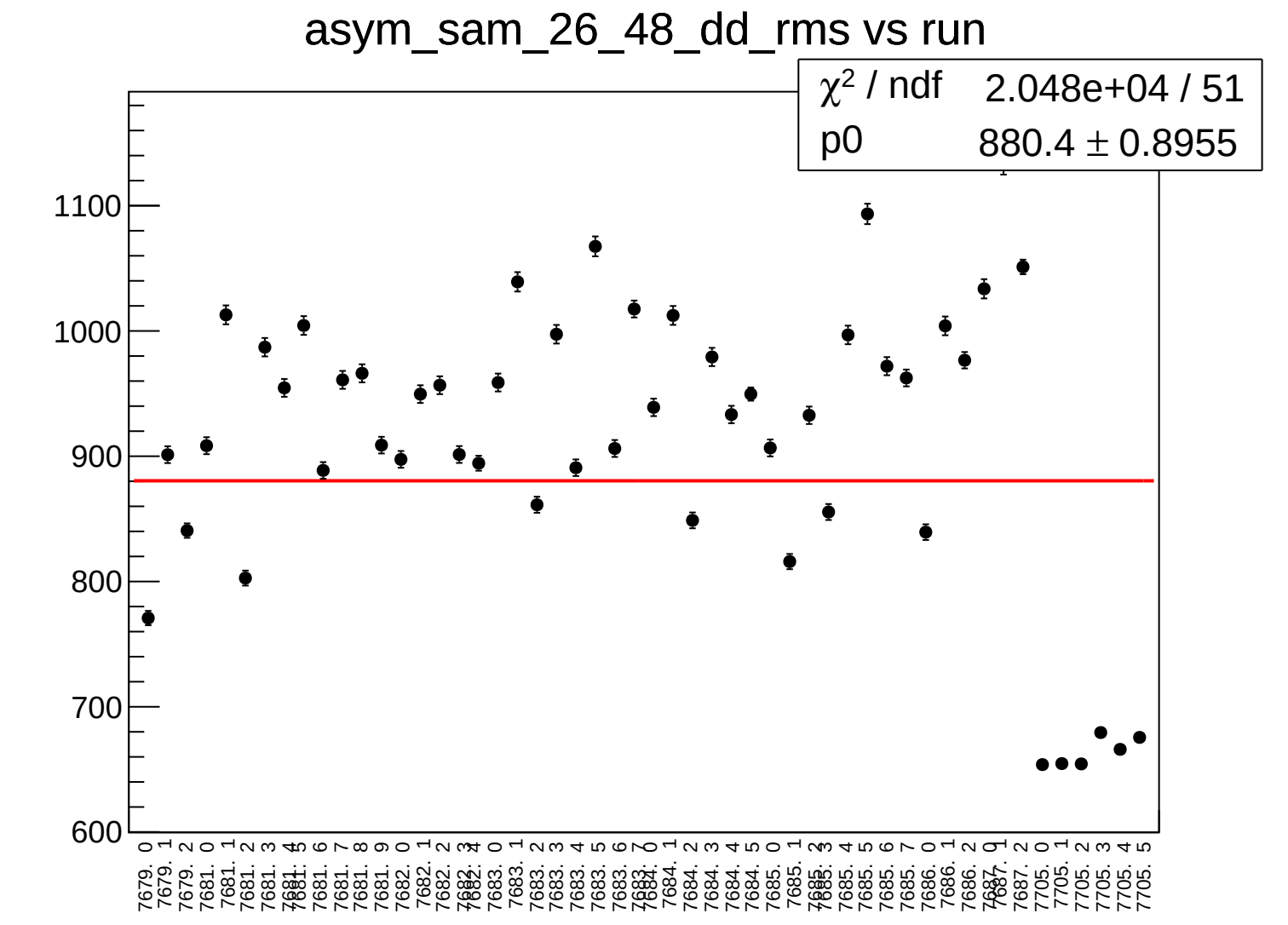

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 62.91 / 51
p0 −349.3 ± 1231
pull
Entries 52
Mean −37.92
Std Dev 69.75

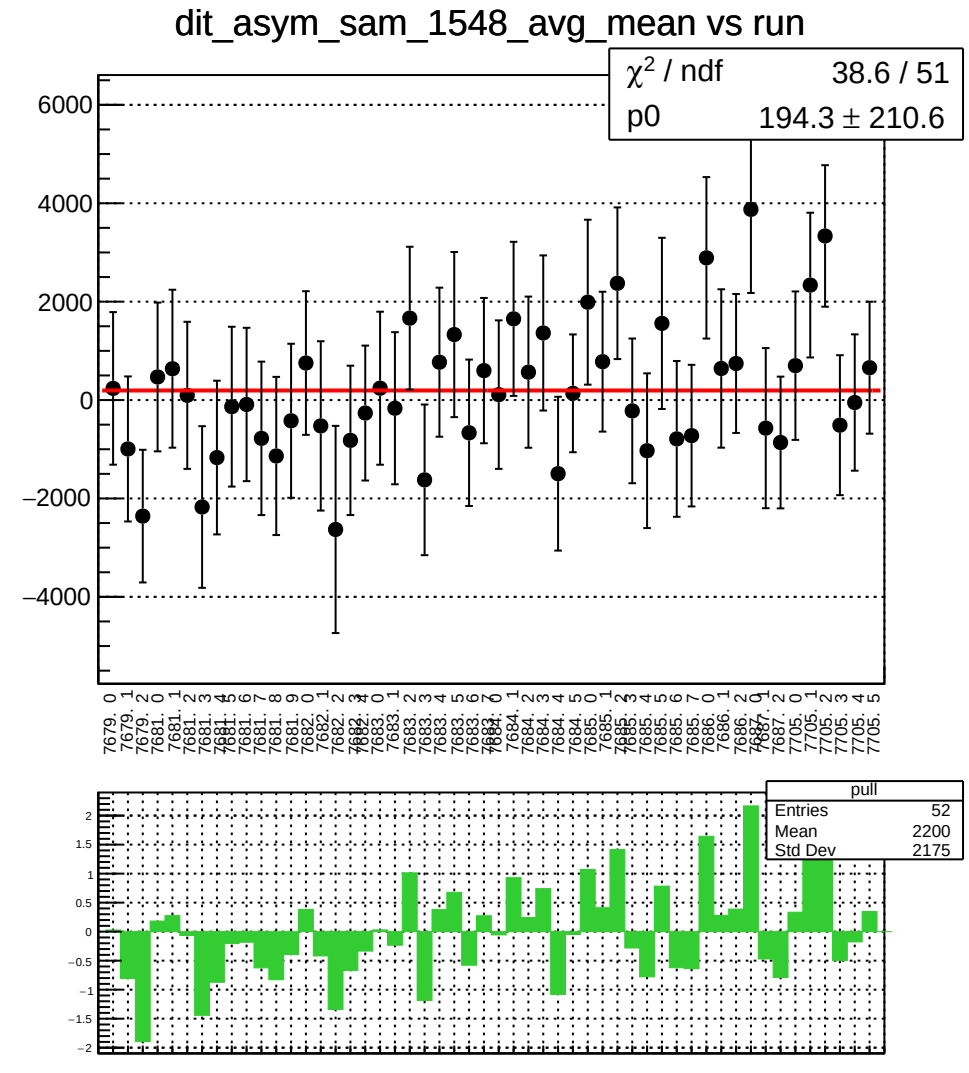

pull1D
Entries 52
Mean −0.05645
Std Dev 1.098

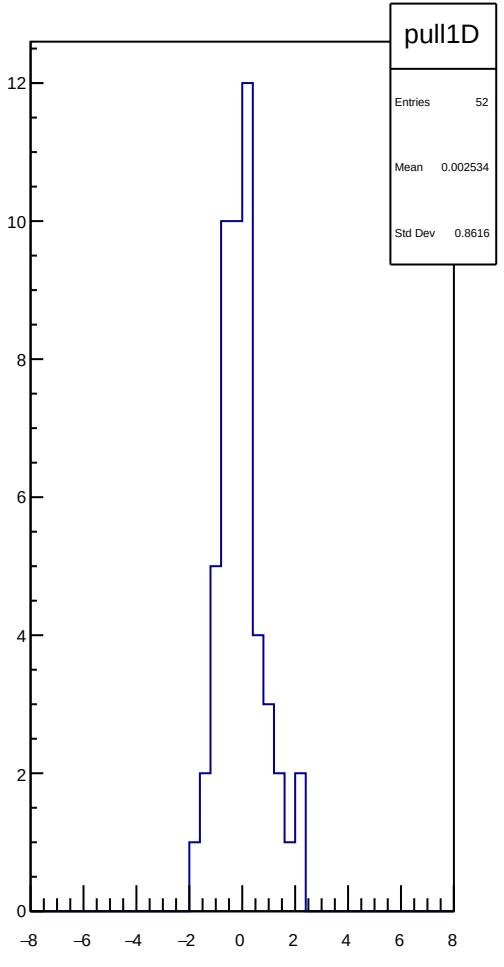

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2.431e+04 / 51
p0 854.1 ± 0.8705
1100
1000
900
800
700
600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

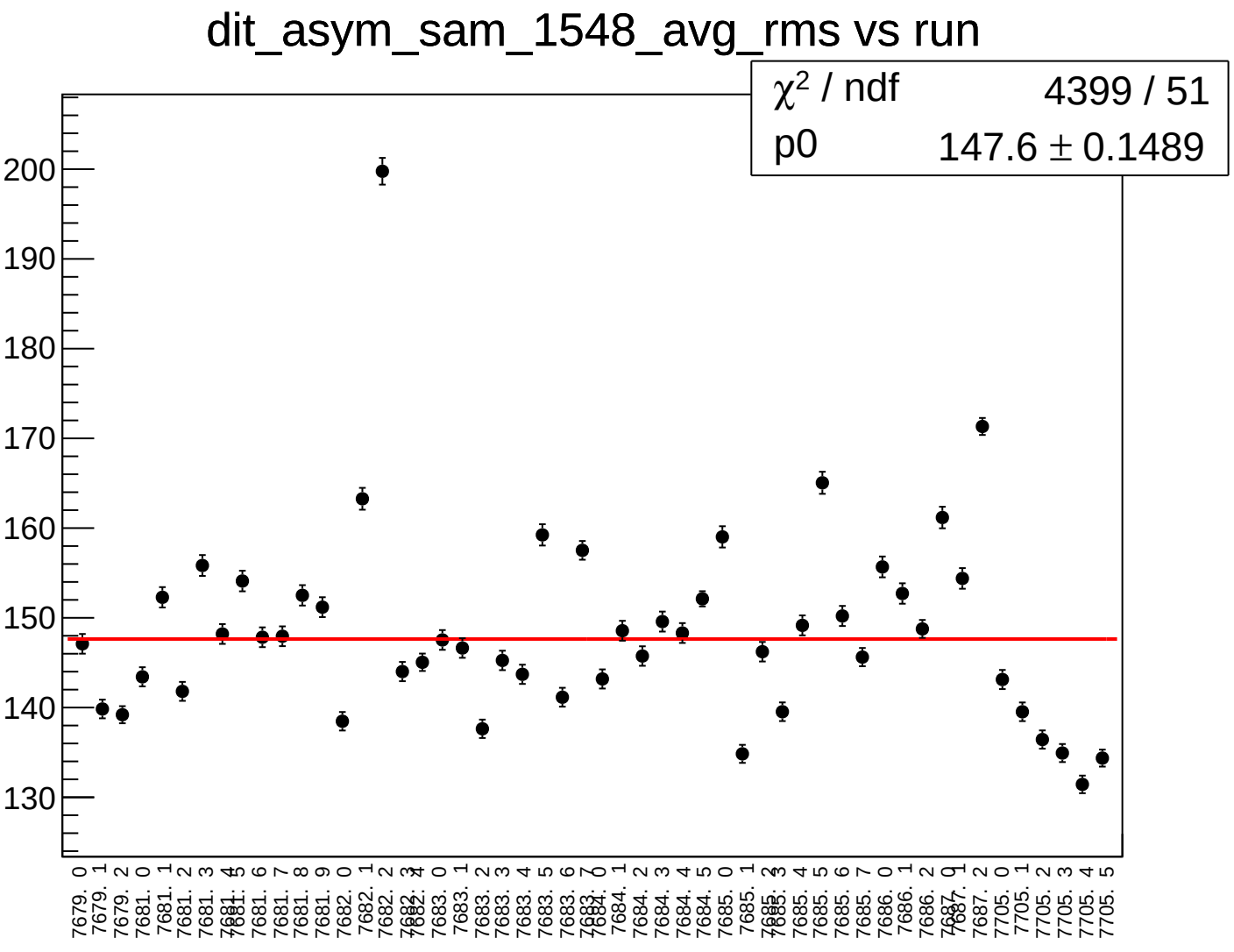

asym_sam_26_48_dd_mean vs run
χ² / ndf 62.34 / 51
p0 283.8 ± 1266
pull
Entries 52
Mean −53.54
Std Dev 85.09

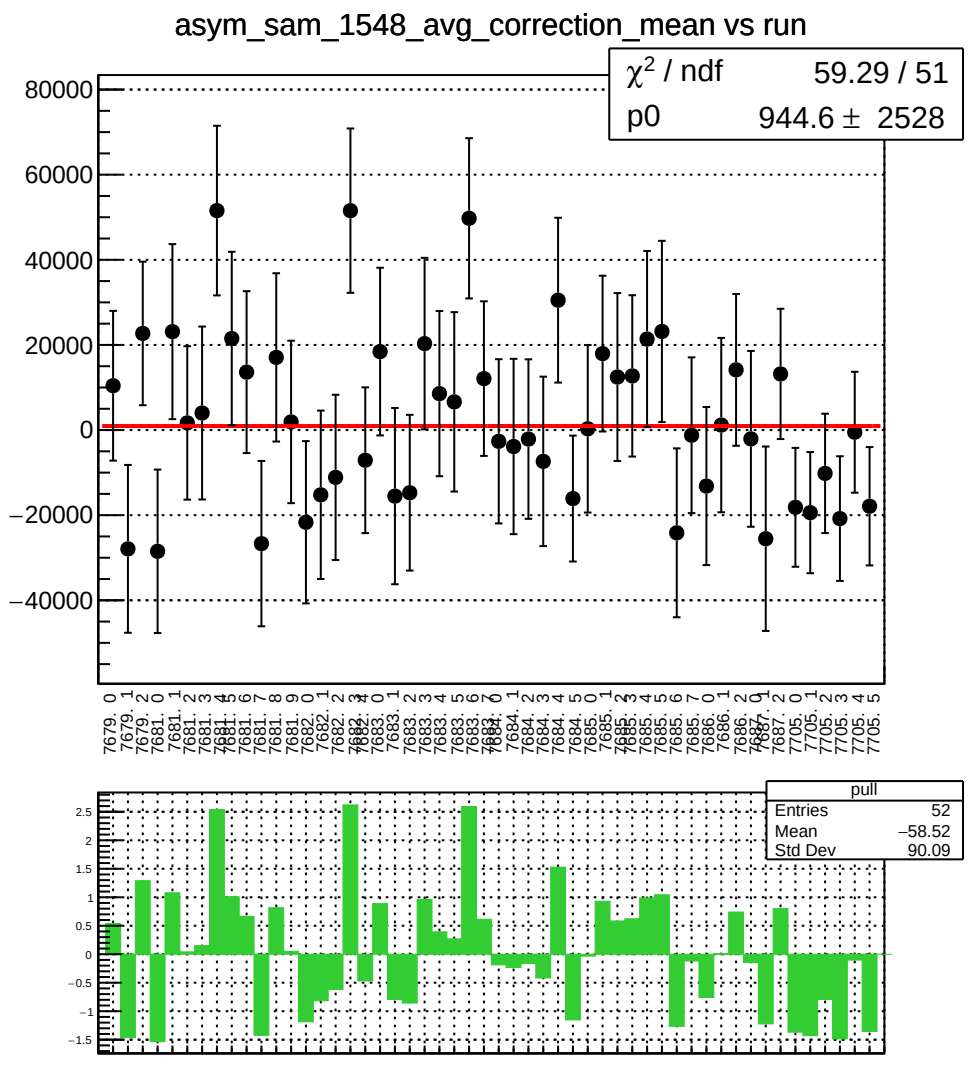

pull1D
Entries 52
Mean 0.05056
Std Dev 1.094

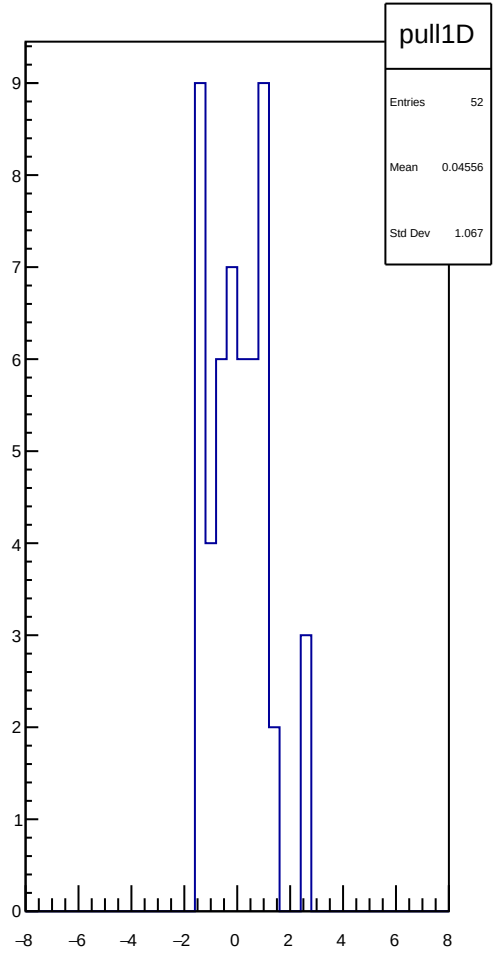

asym_sam_26_48_dd_rms vs run
χ² / ndf 2.048e+04 / 51
p0 880.4 ± 0.8955
1100
1000
900
800
700
600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 0
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

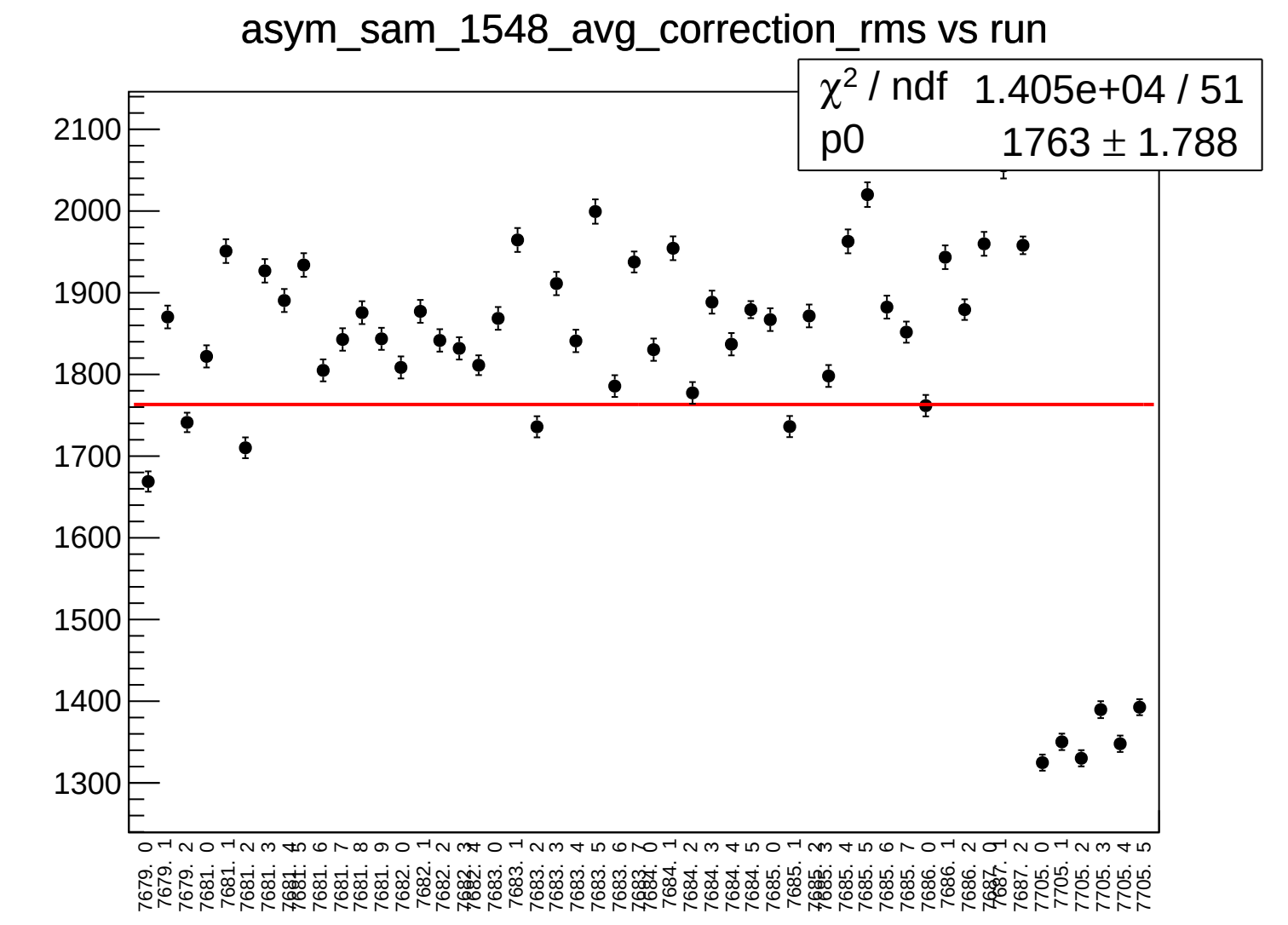

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 38.6 / 51
p0 194.3 ± 210.6
pull
Entries 52
Mean 2200
Std Dev 2175

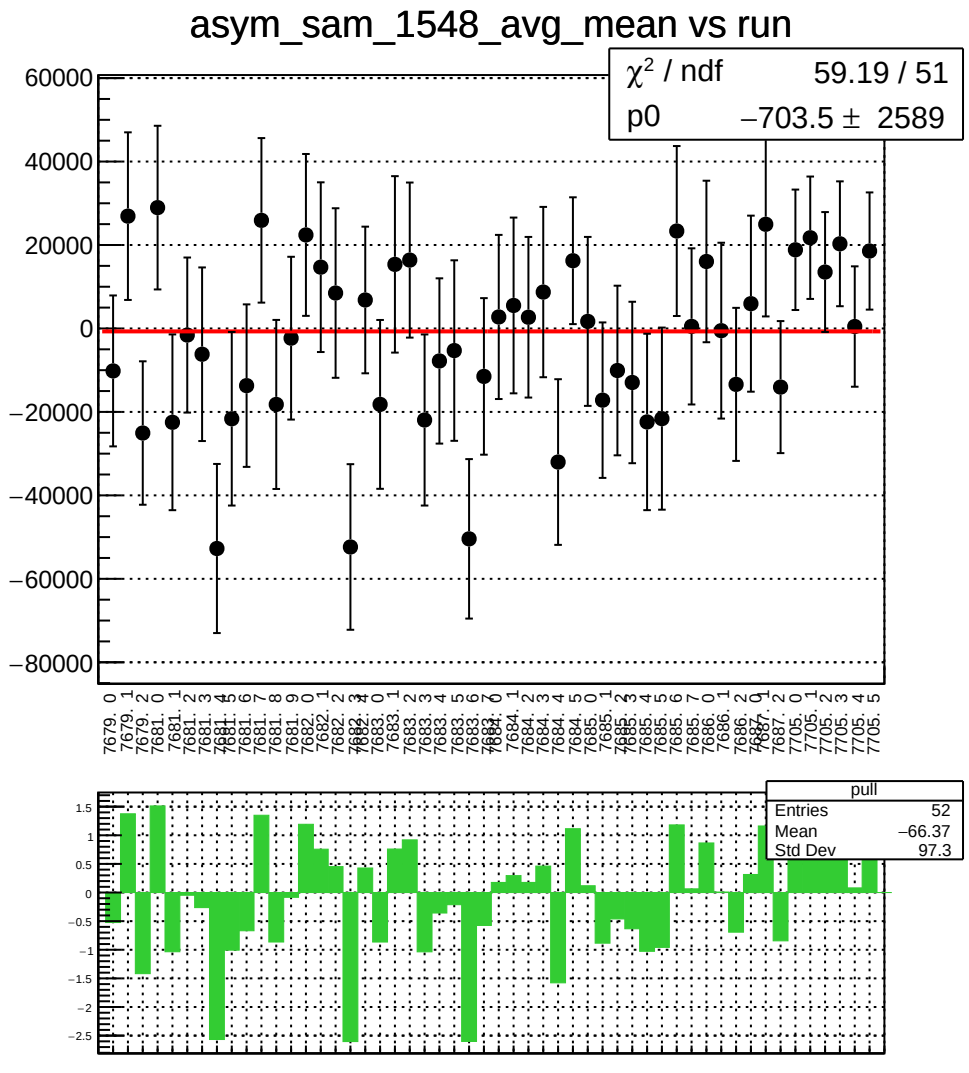

pull1D
Entries 52
Mean 0.002534
Std Dev 0.8616

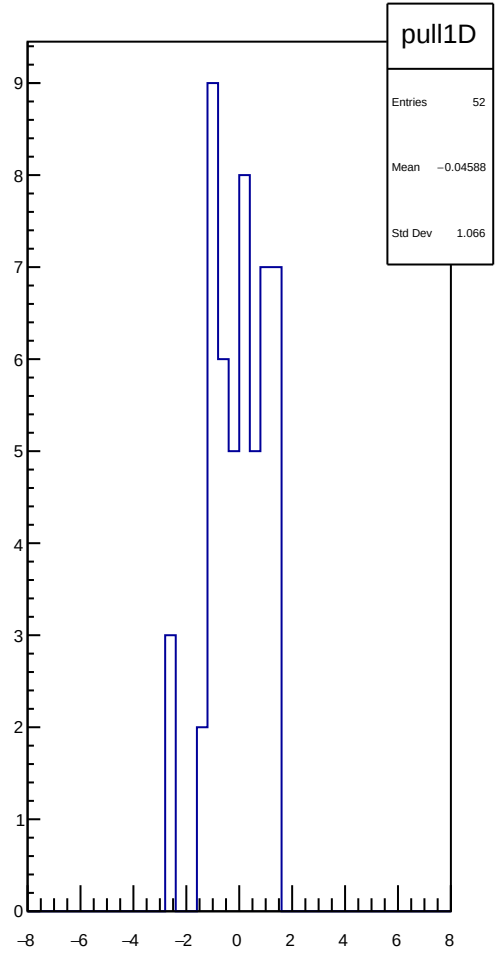

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 4399 / 51
p0 147.6 ± 0.1489
200
190
180
170
160
150
140
130
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

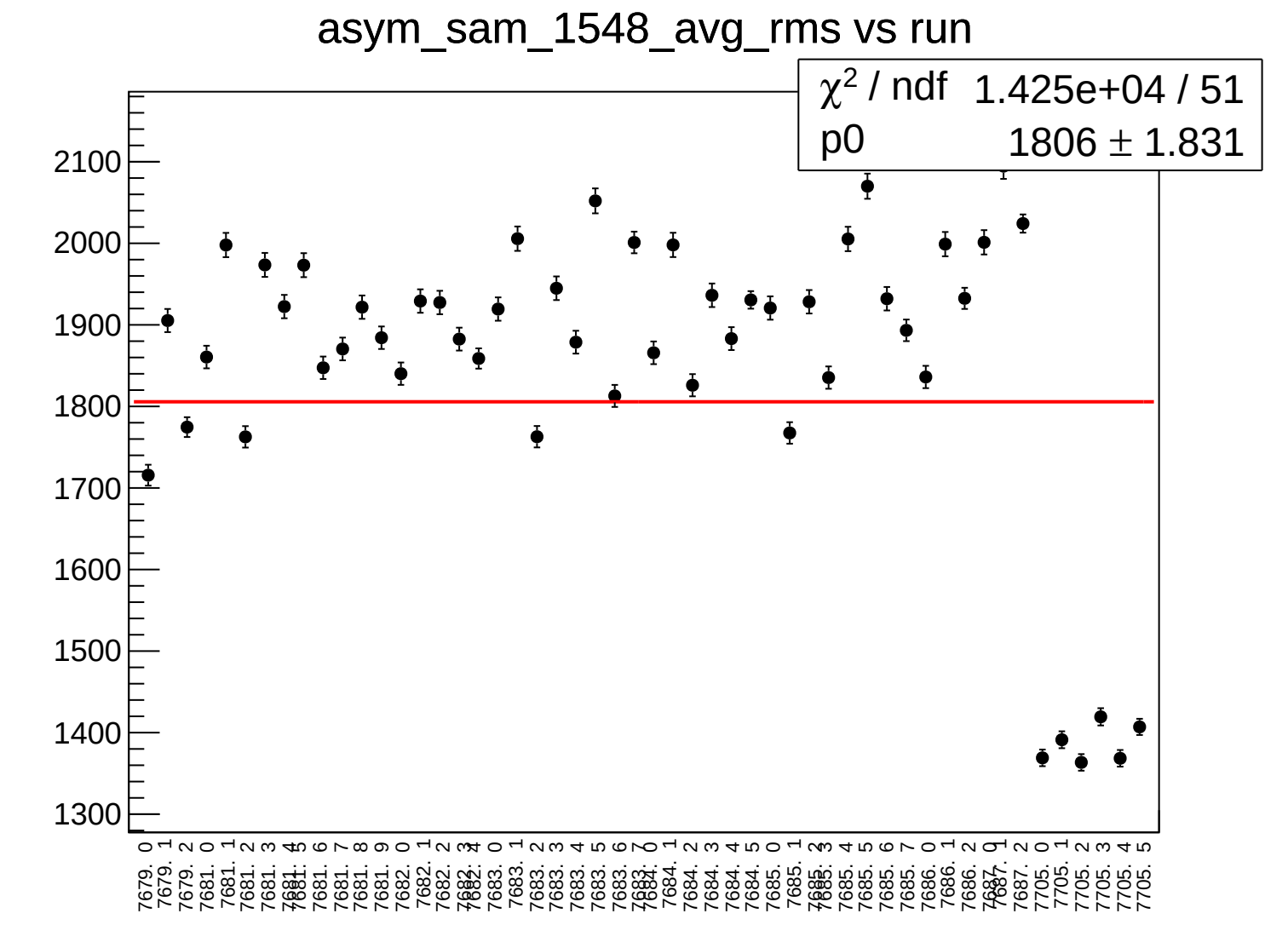

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 59.29 / 51
p0 944.6 ± 2528
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −58.52
Std Dev 90.09
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

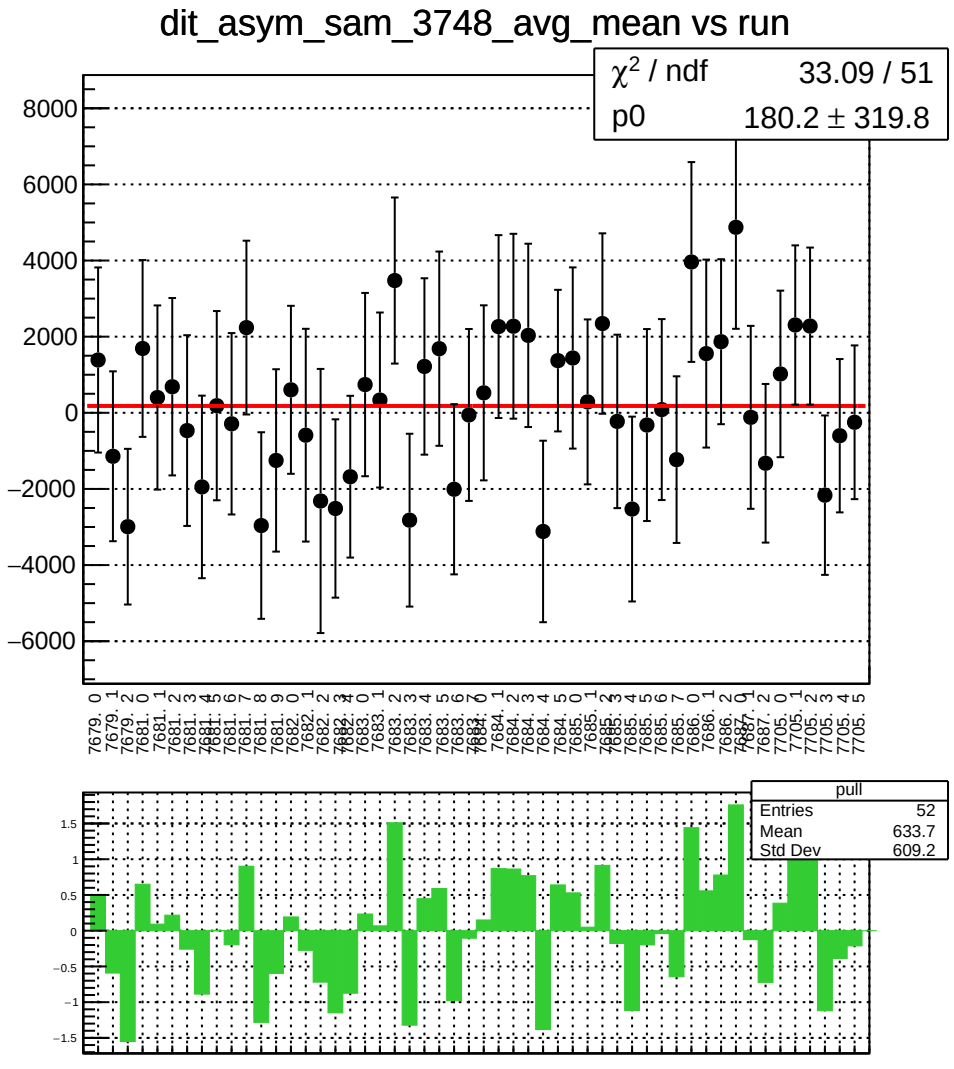

pull1D
Entries 52
Mean 0.04556
Std Dev 1.067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

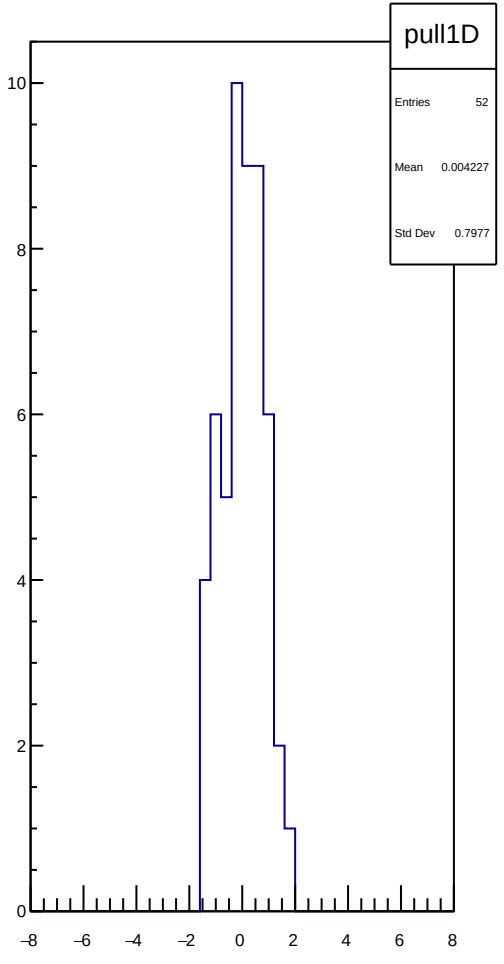

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1.405e+04 / 51
p0 1763 ± 1.788
2100
2000
1900
1800
1700
1600
1500
1400
1300
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

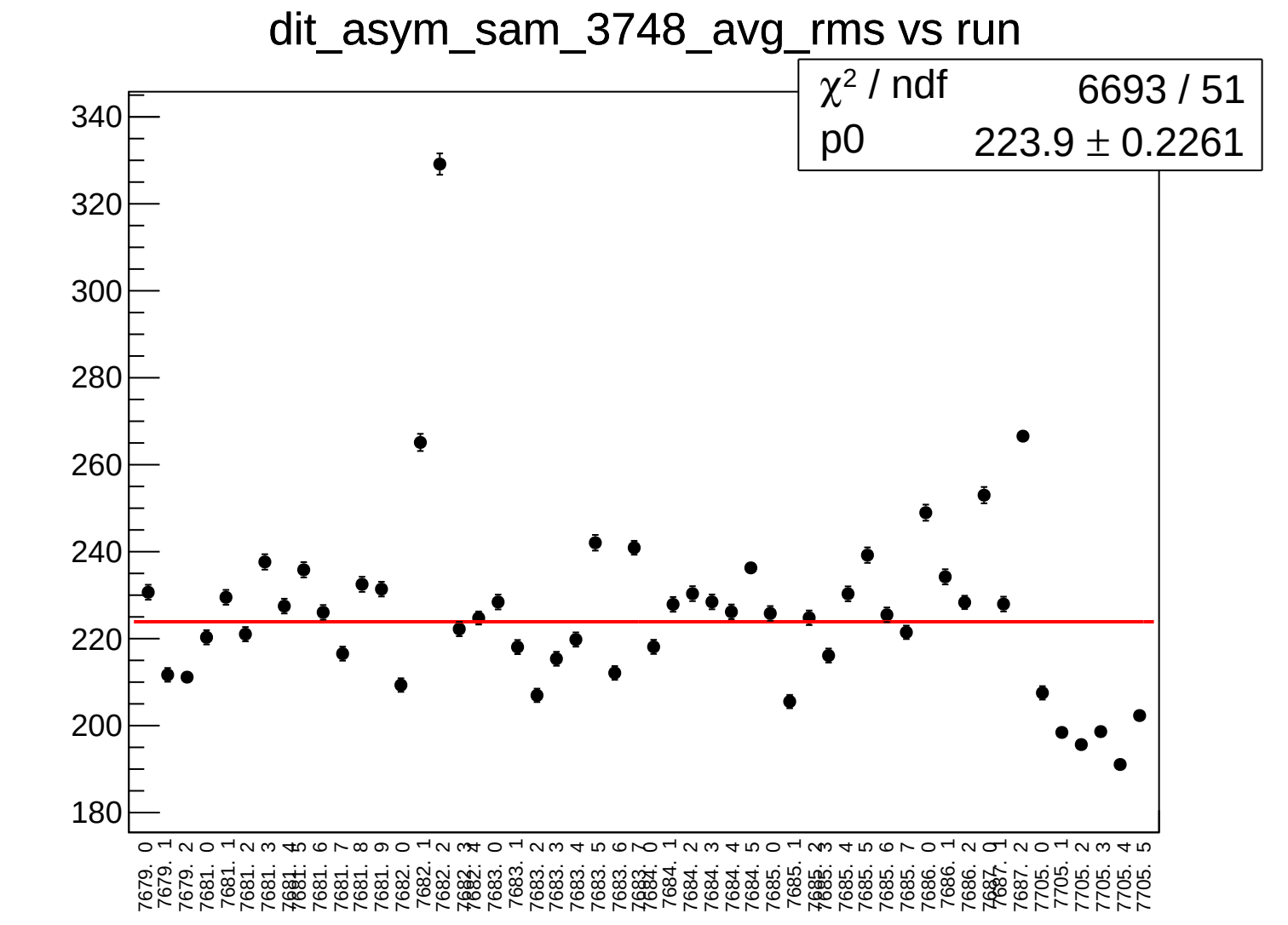

asym_sam_1548_avg_mean vs run
χ² / ndf 59.19 / 51
p0 −703.5 ± 2589
pull
Entries 52
Mean −66.37
Std Dev 97.3

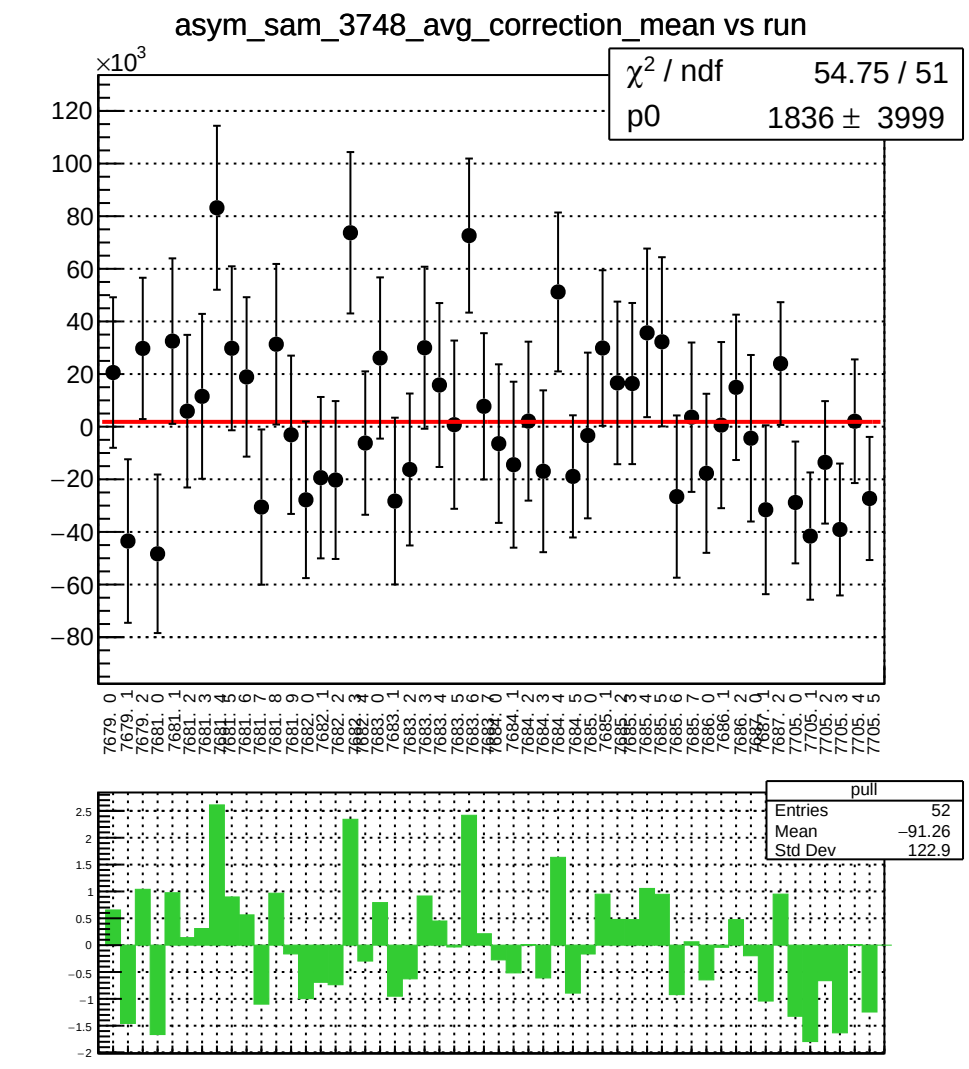

pull1D
Entries 52
Mean −0.04588
Std Dev 1.066

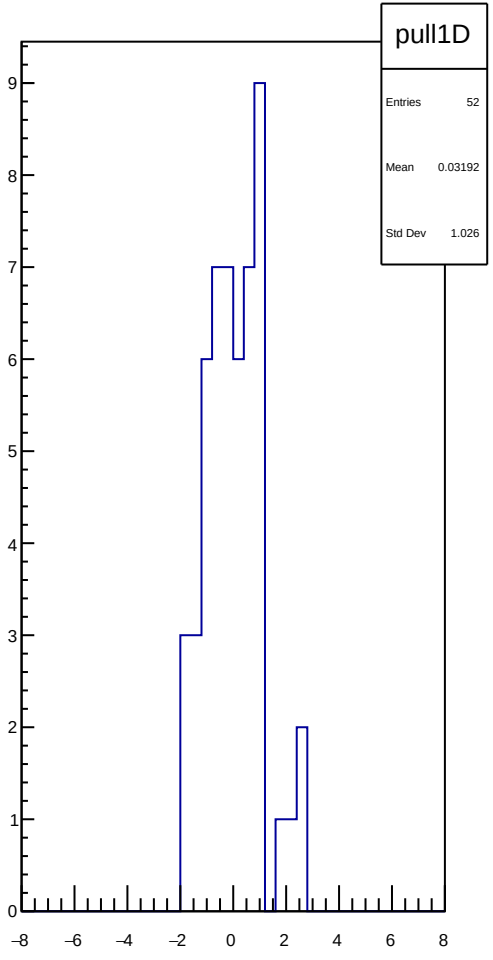

asym_sam_1548_avg_rms vs run
χ² / ndf 1.425e+04 / 51
p0 1806 ± 1.831
2100
2000
1900
1800
1700
1600
1500
1400
1300
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

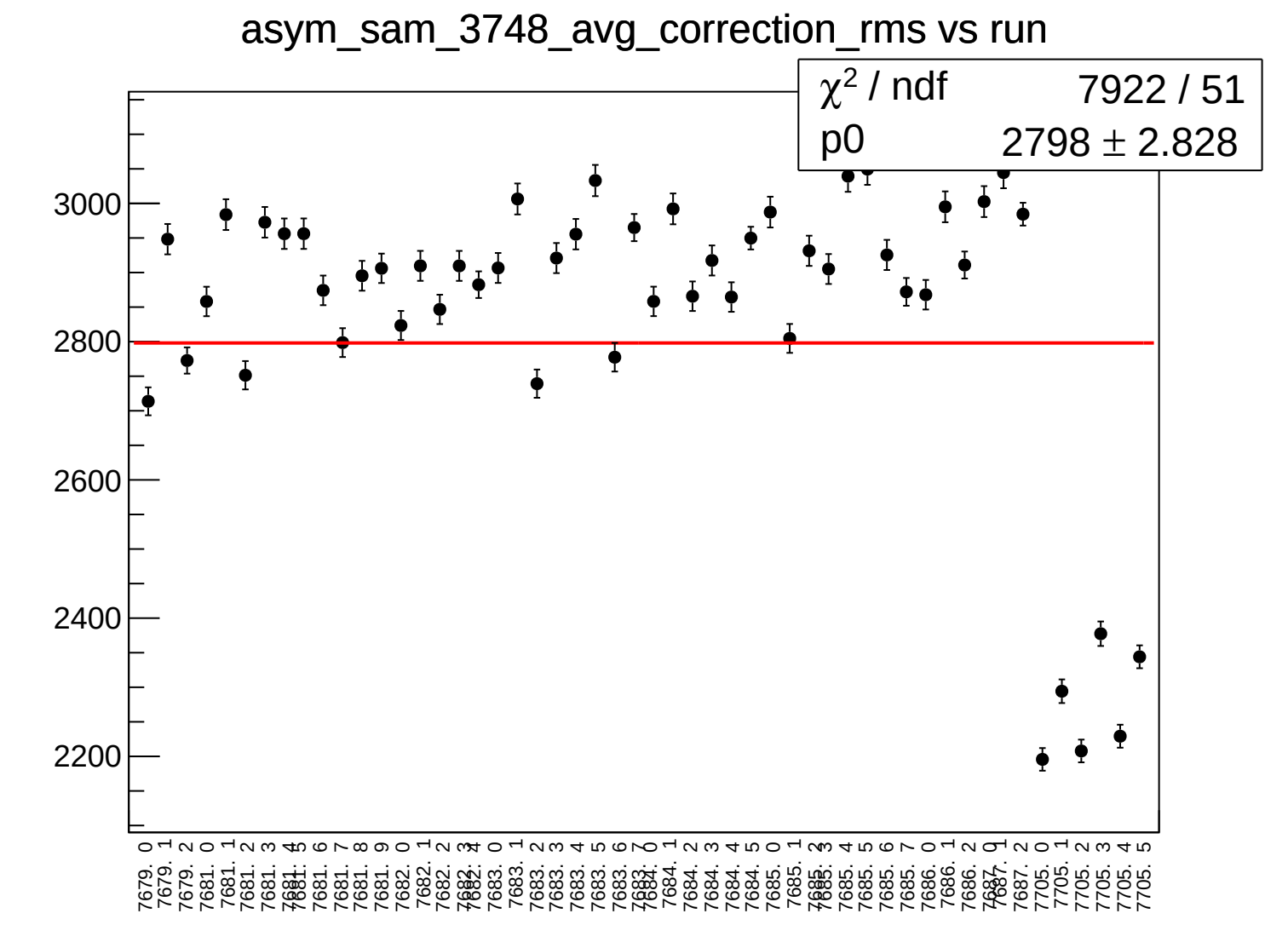

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 33.09 / 51
p0 180.2 ± 319.8
pull
Entries 52
Mean 633.7
Std Dev 609.2

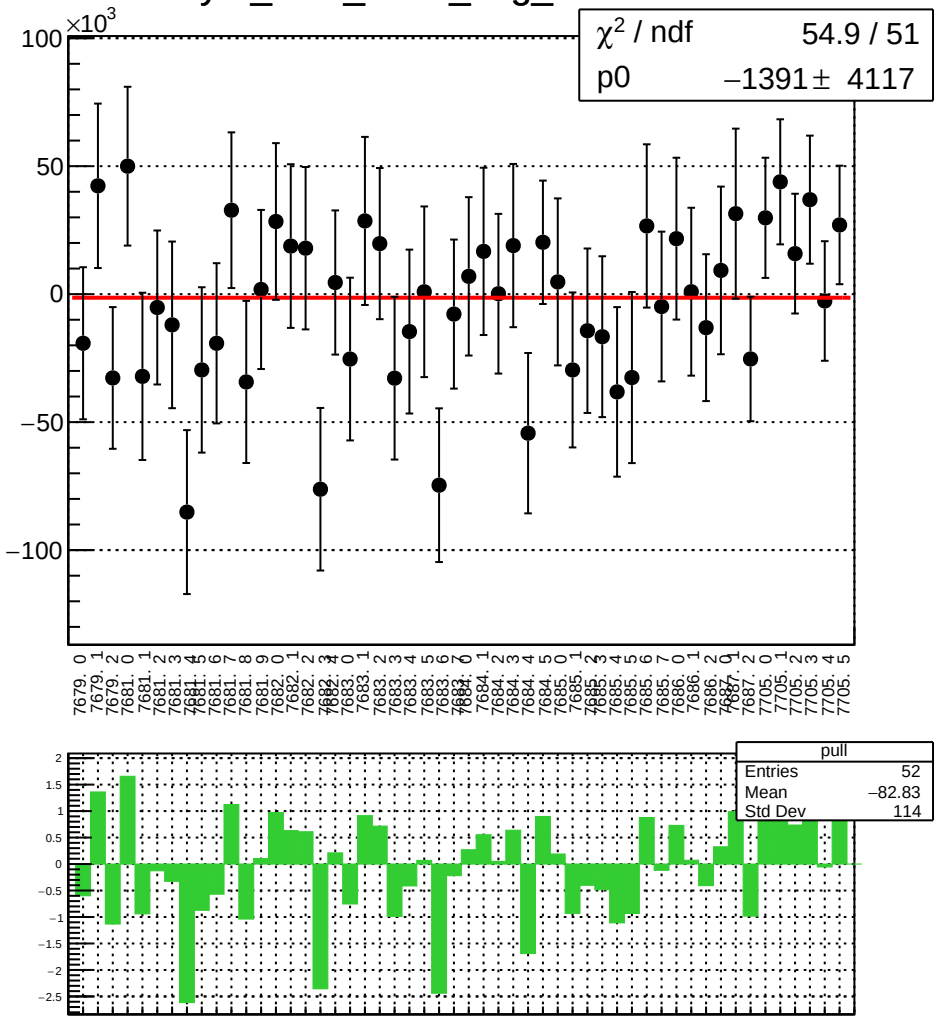

pull1D
Entries 52
Mean 0.004227
Std Dev 0.7977

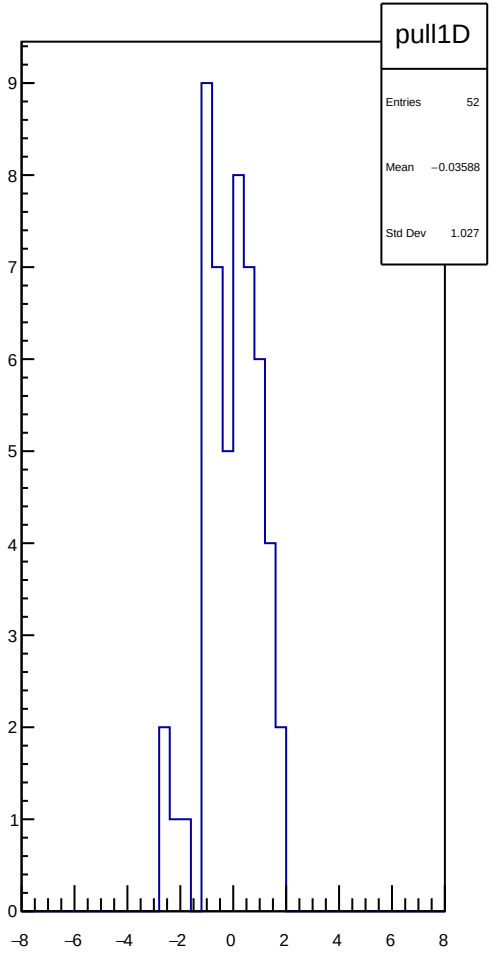

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 6693 / 51
p0 223.9 ± 0.2261
340
320
300
280
260
240
220
200
180
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

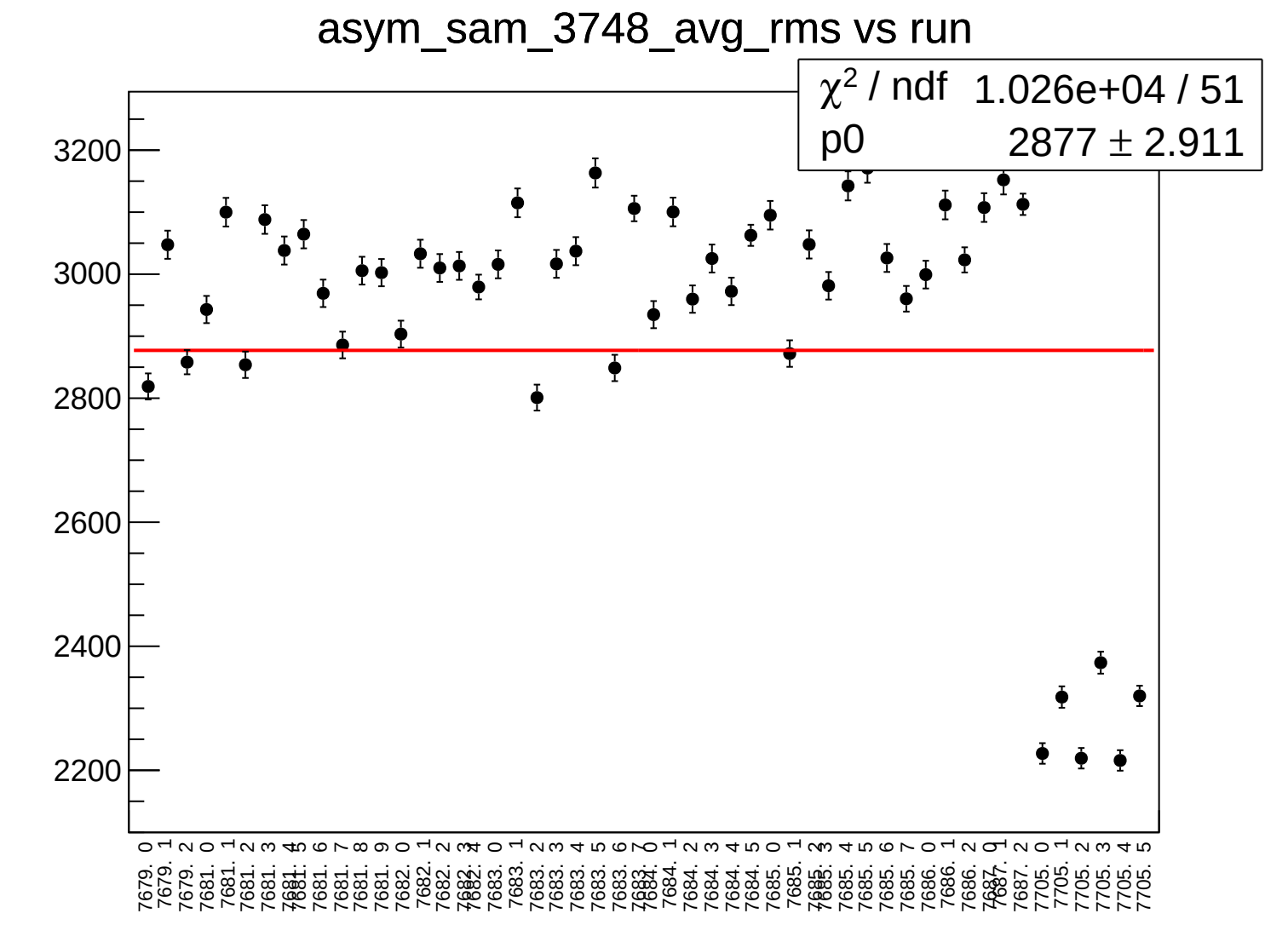

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 54.75 / 51
p0 1836 ± 3999
pull
Entries 52
Mean −91.26
Std Dev 122.9

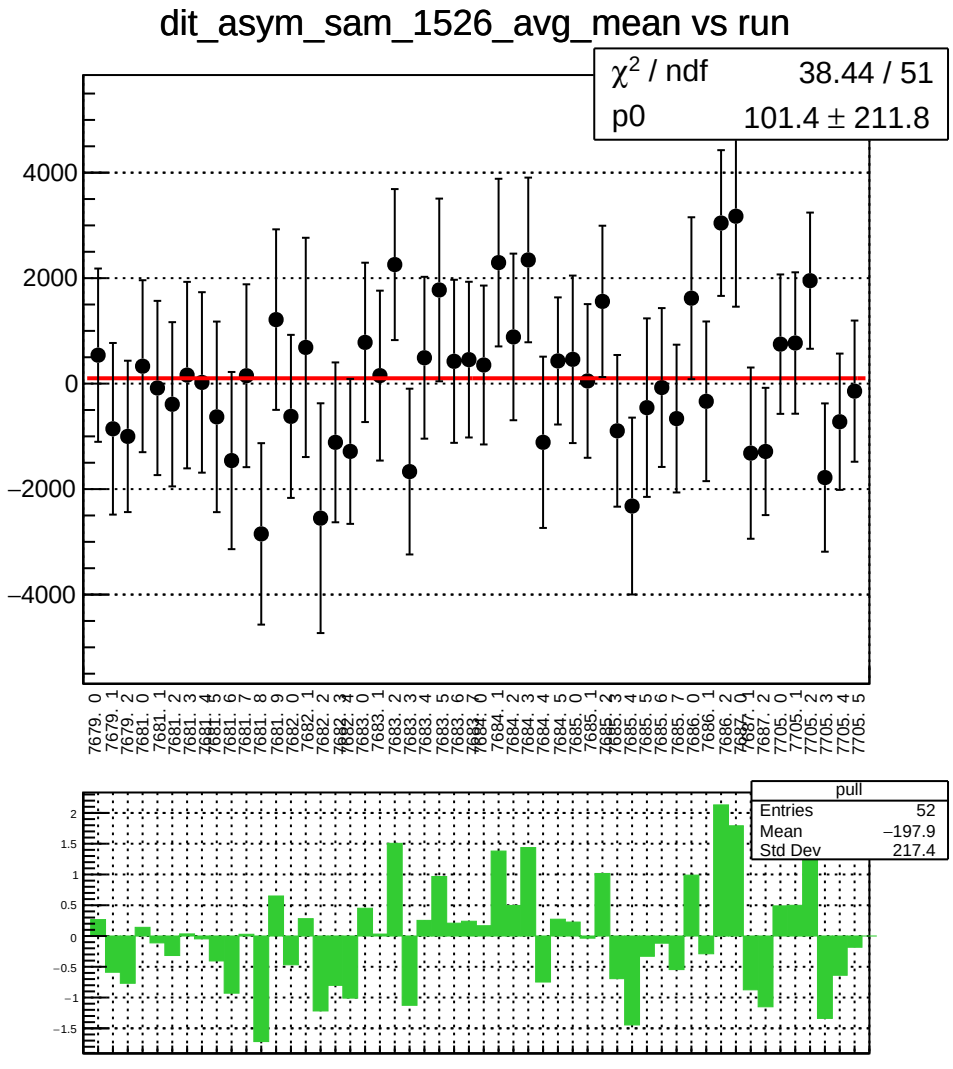

pull1D
Entries 52
Mean 0.03192
Std Dev 1.026

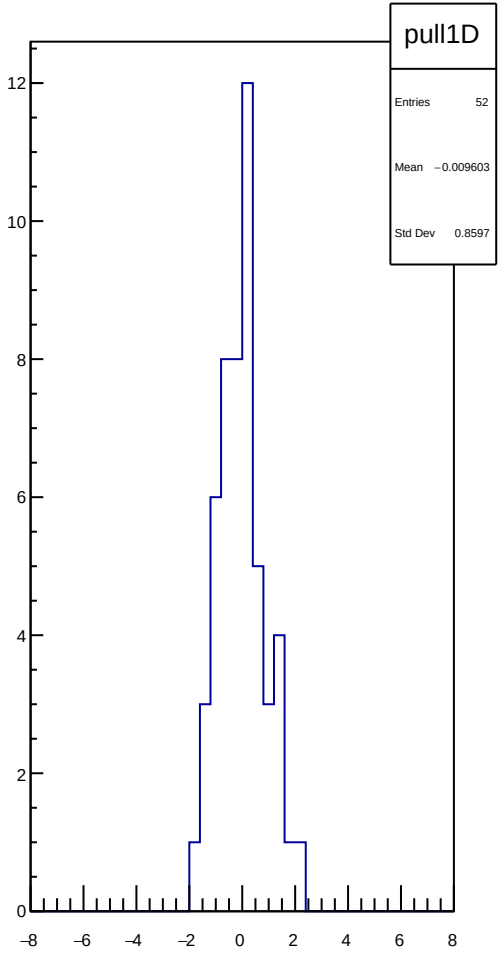

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 7922 / 51
p0 2798 ± 2.828
3000
2800
2600
2400
2200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

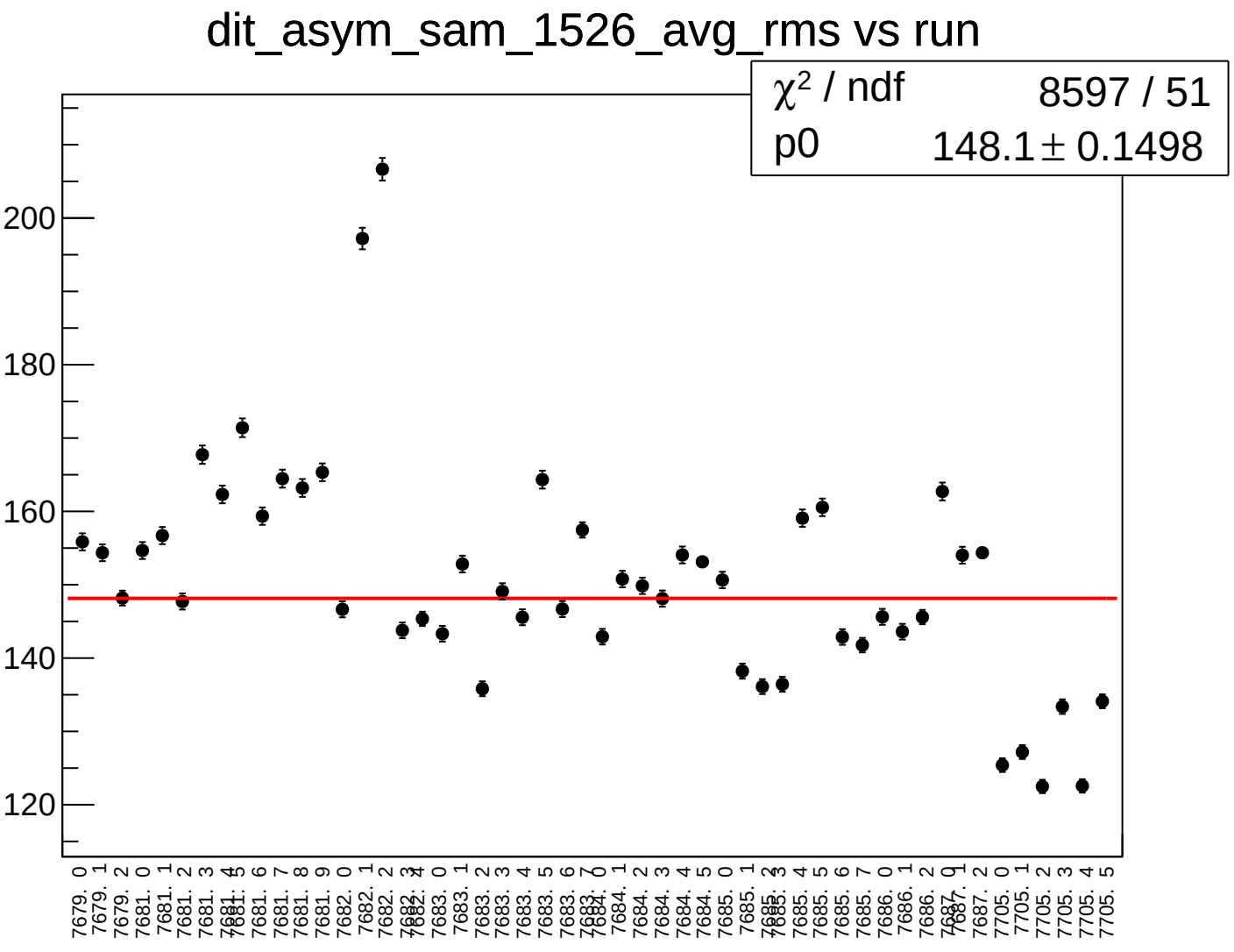

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 54.9 / 51
p0 −1391 ± 4117
pull
Entries 52
Mean −82.83
Std Dev 114

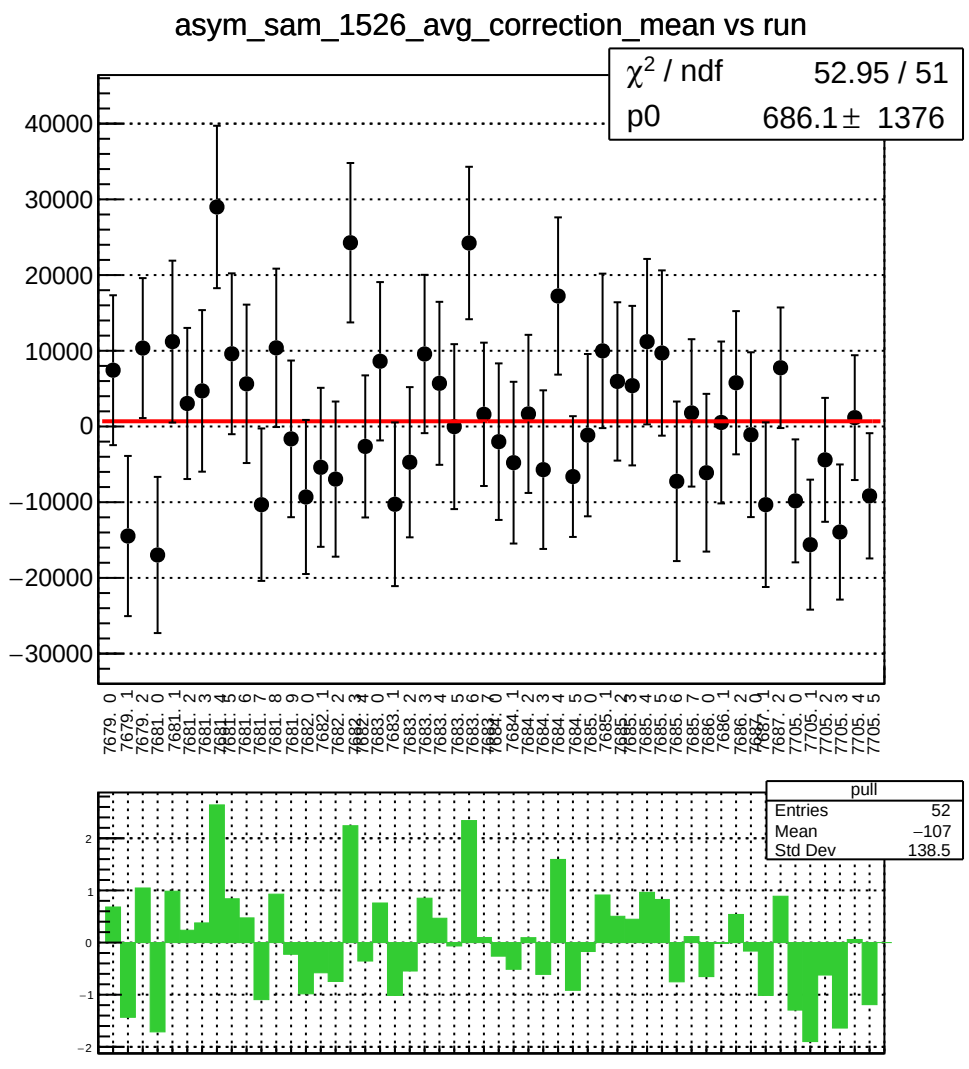

pull1D
Entries 52
Mean −0.03588
Std Dev 1.027

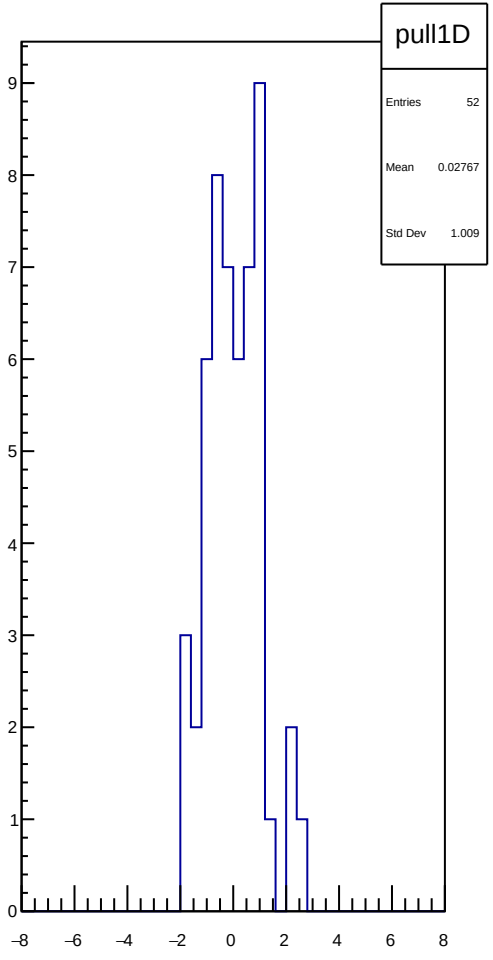

asym_sam_3748_avg_rms vs run
χ² / ndf 1.026e+04 / 51
p0 2877 ± 2.911
3200
3000
2800
2600
2400
2200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

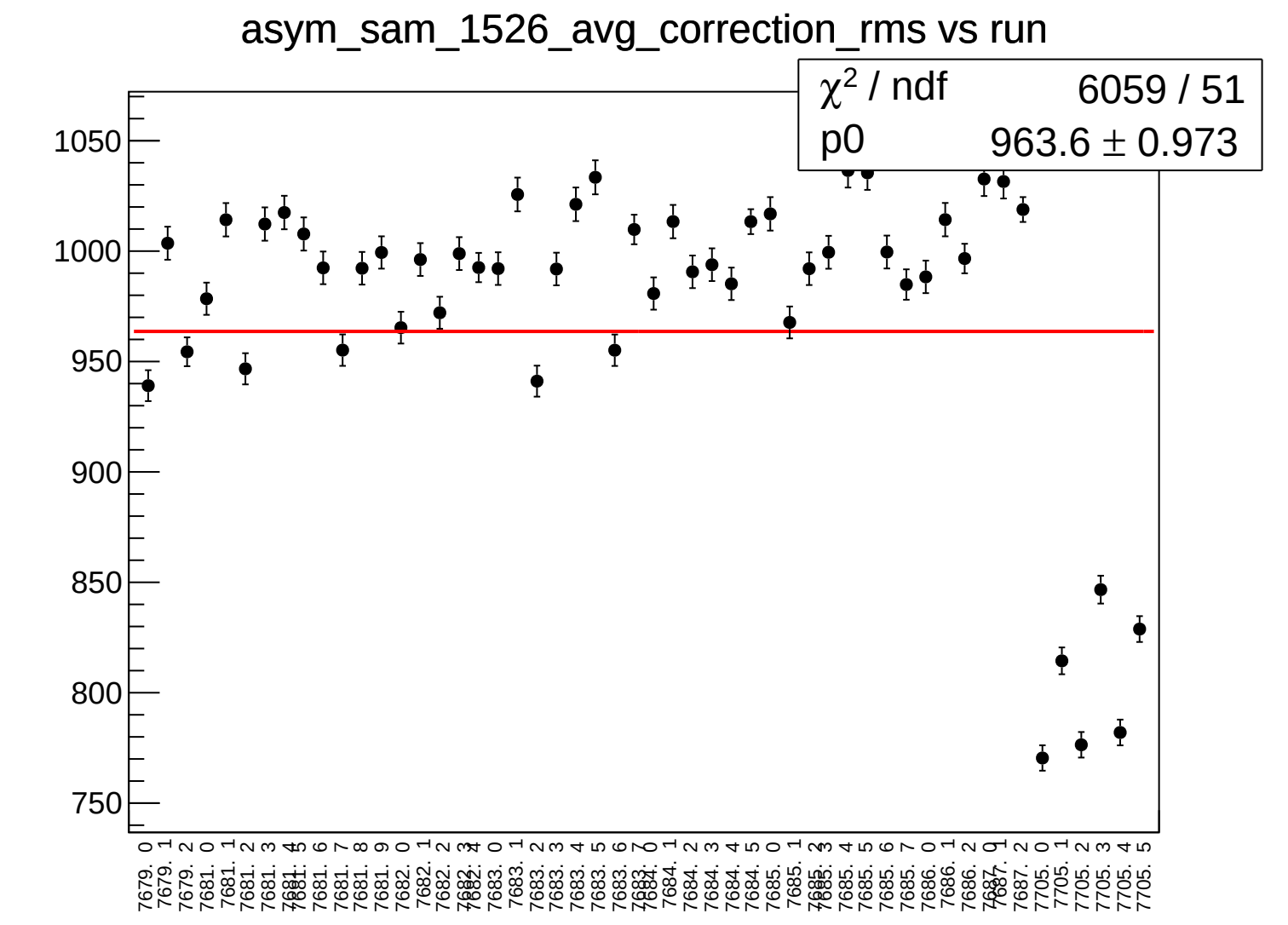

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 38.44 / 51
p0 101.4 ± 211.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −197.9
Std Dev 217.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

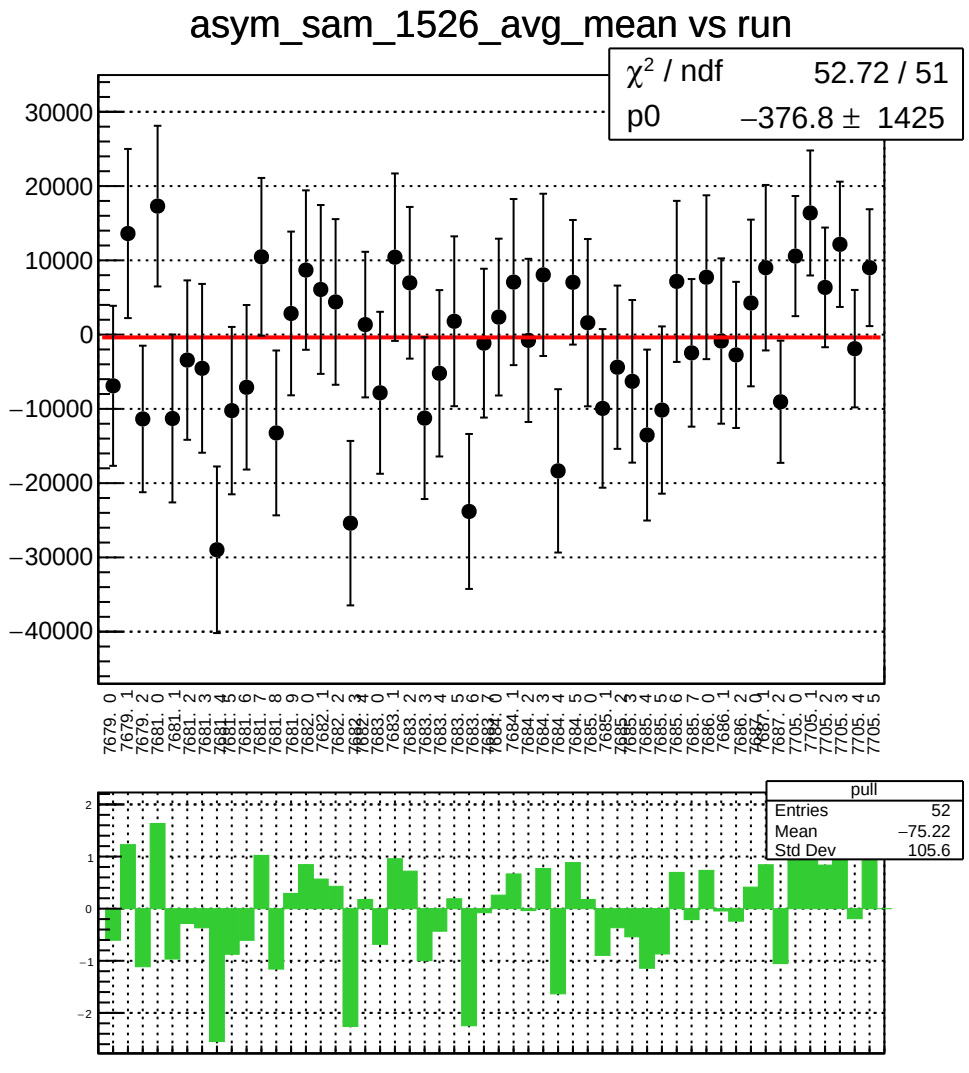

pull1D
Entries 52
Mean −0.009603
Std Dev 0.8597
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

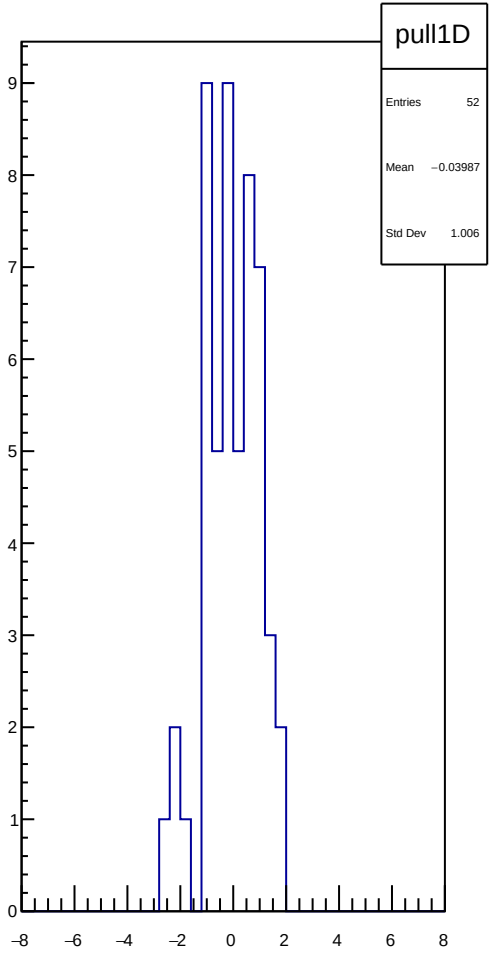

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 8597 / 51
p0 148.1 ± 0.1498
200
180
160
140
120
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

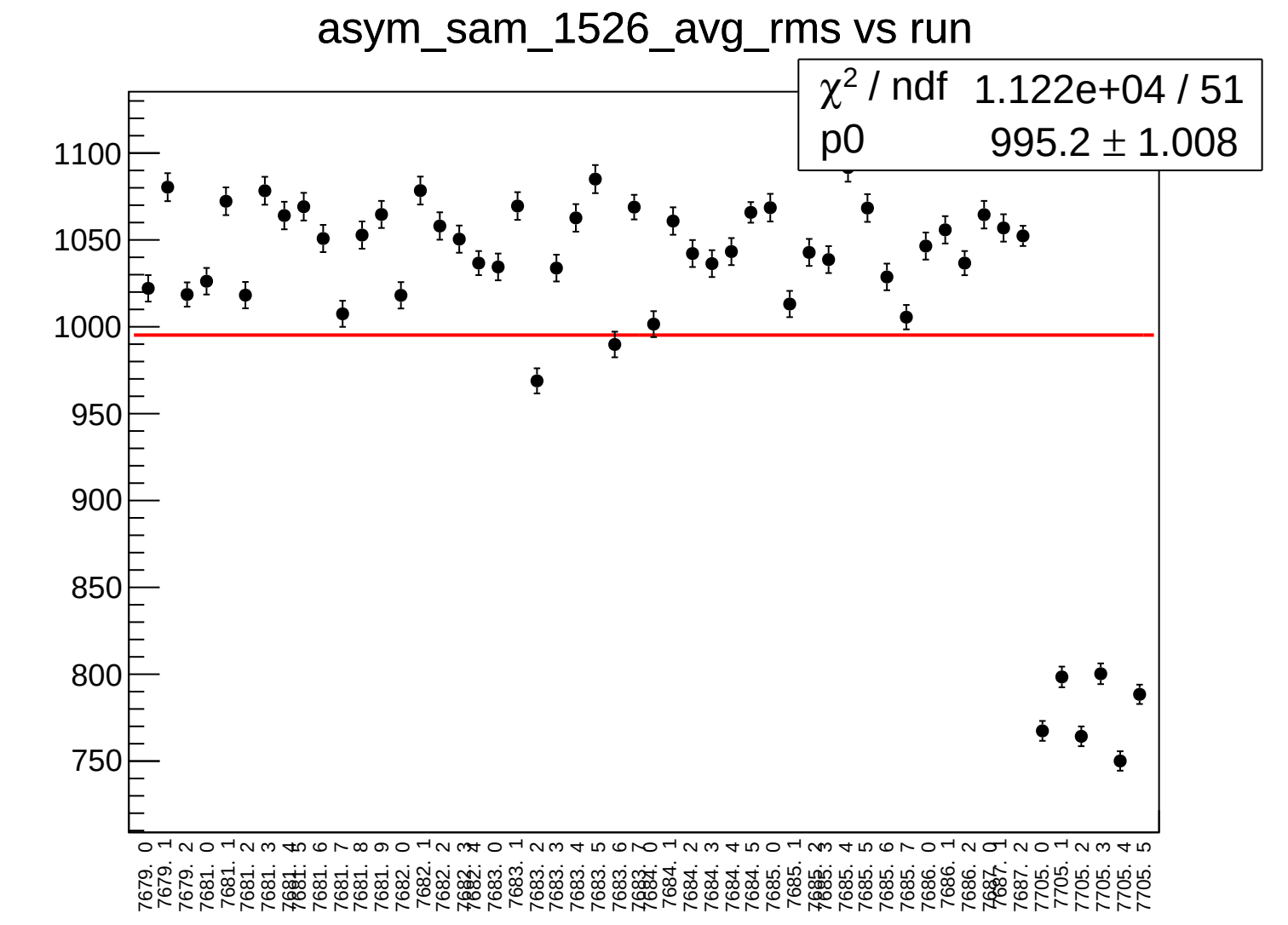

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 52.95 / 51
p0 686.1 ± 1376
pull
Entries 52
Mean −107
Std Dev 138.5

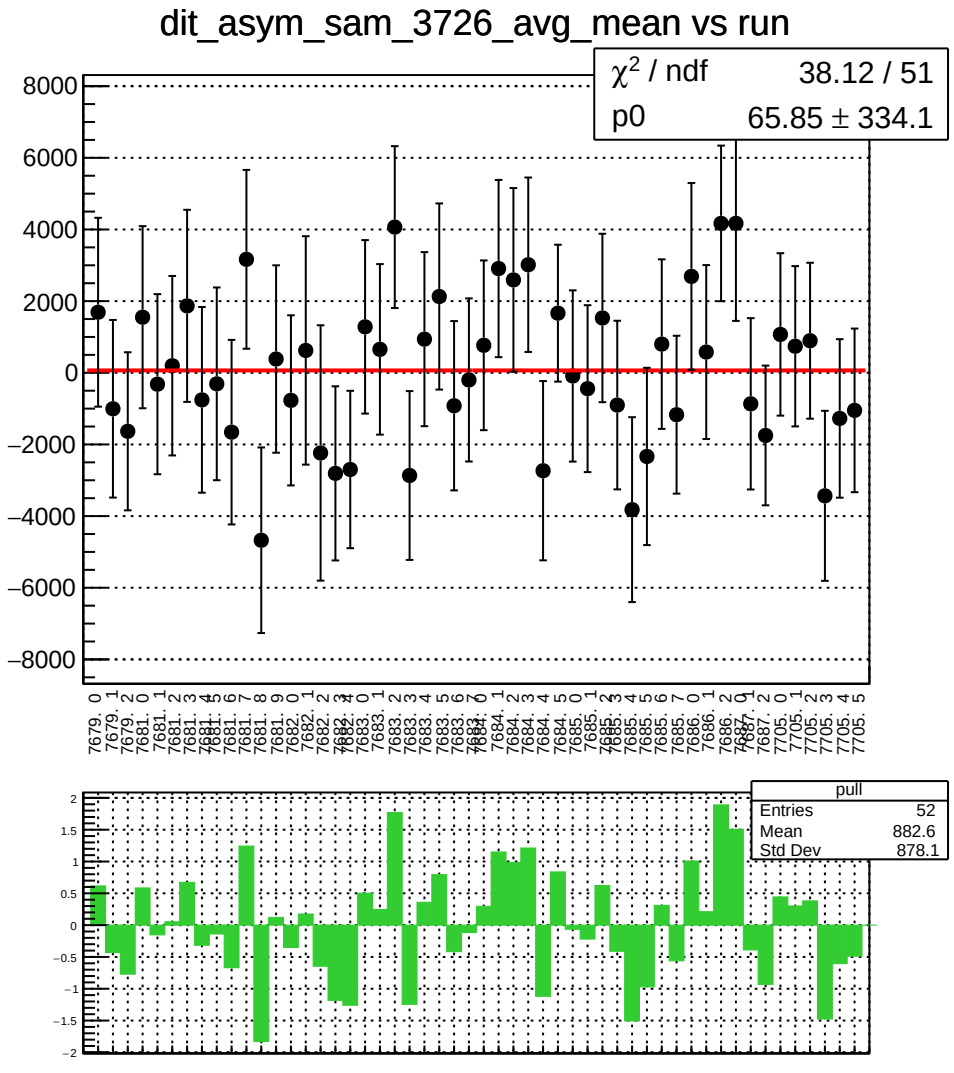

pull1D
Entries 52
Mean 0.02767
Std Dev 1.009

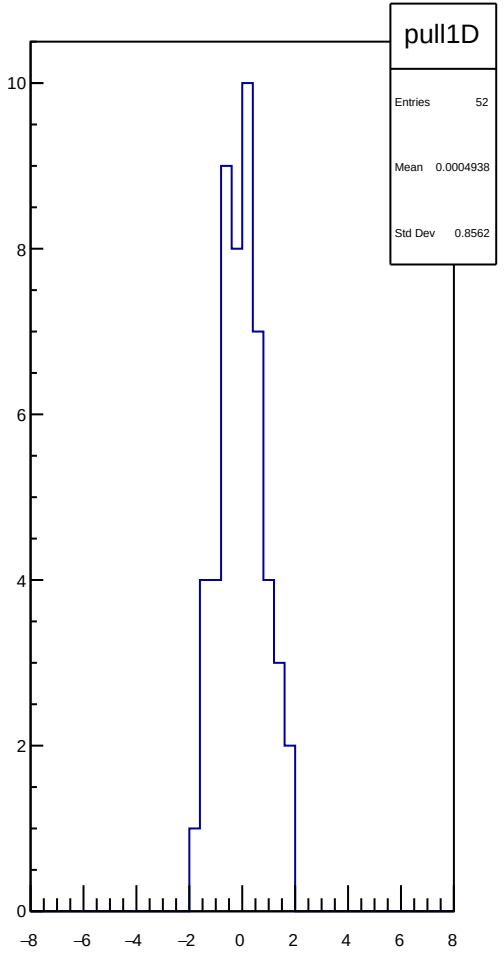

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 6059 / 51
p0 963.6 ± 0.973
1050
1000
950
900
850
800
750
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

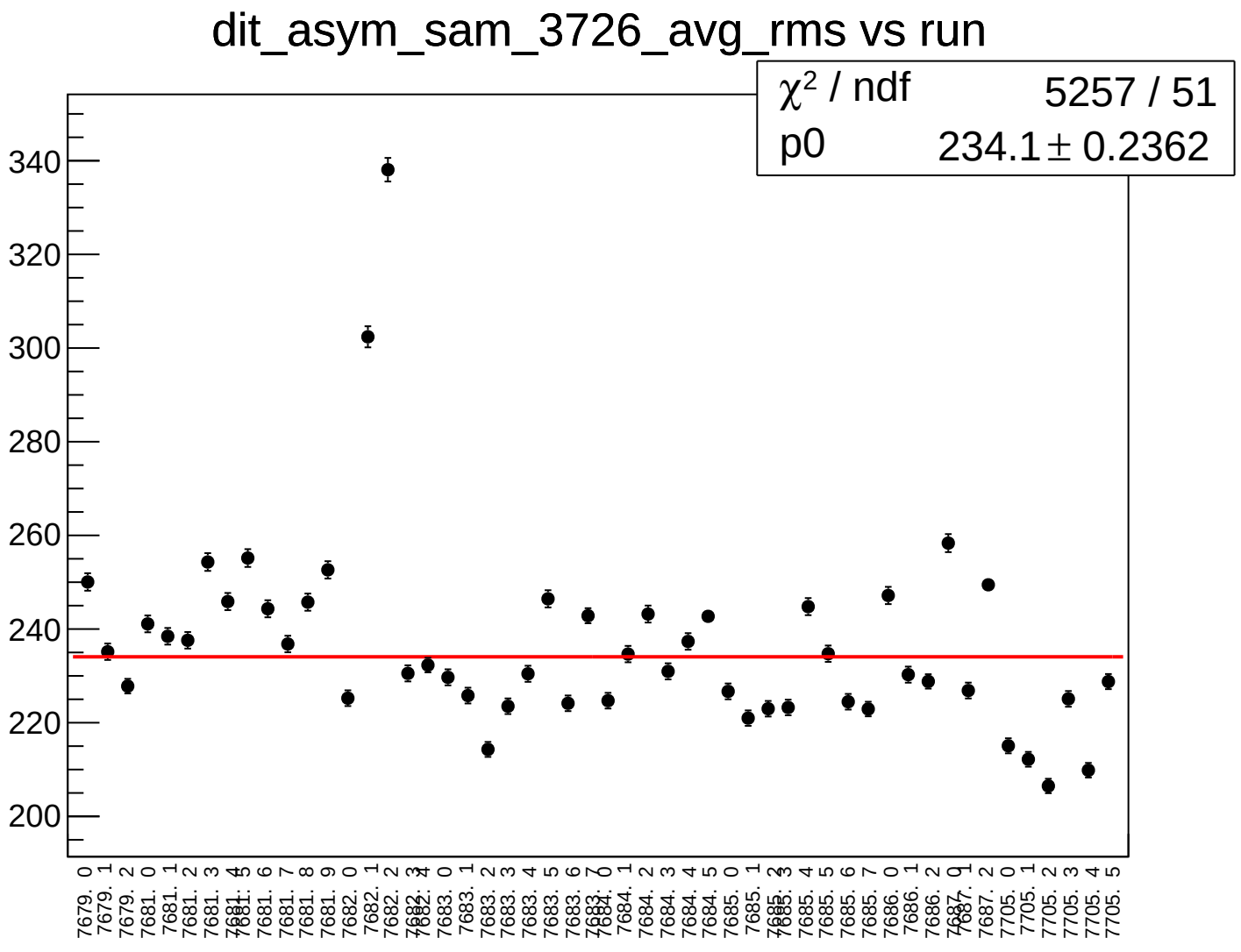

asym_sam_1526_avg_mean vs run
χ² / ndf 52.72 / 51
p0 −376.8 ± 1425
pull
Entries 52
Mean −75.22
Std Dev 105.6

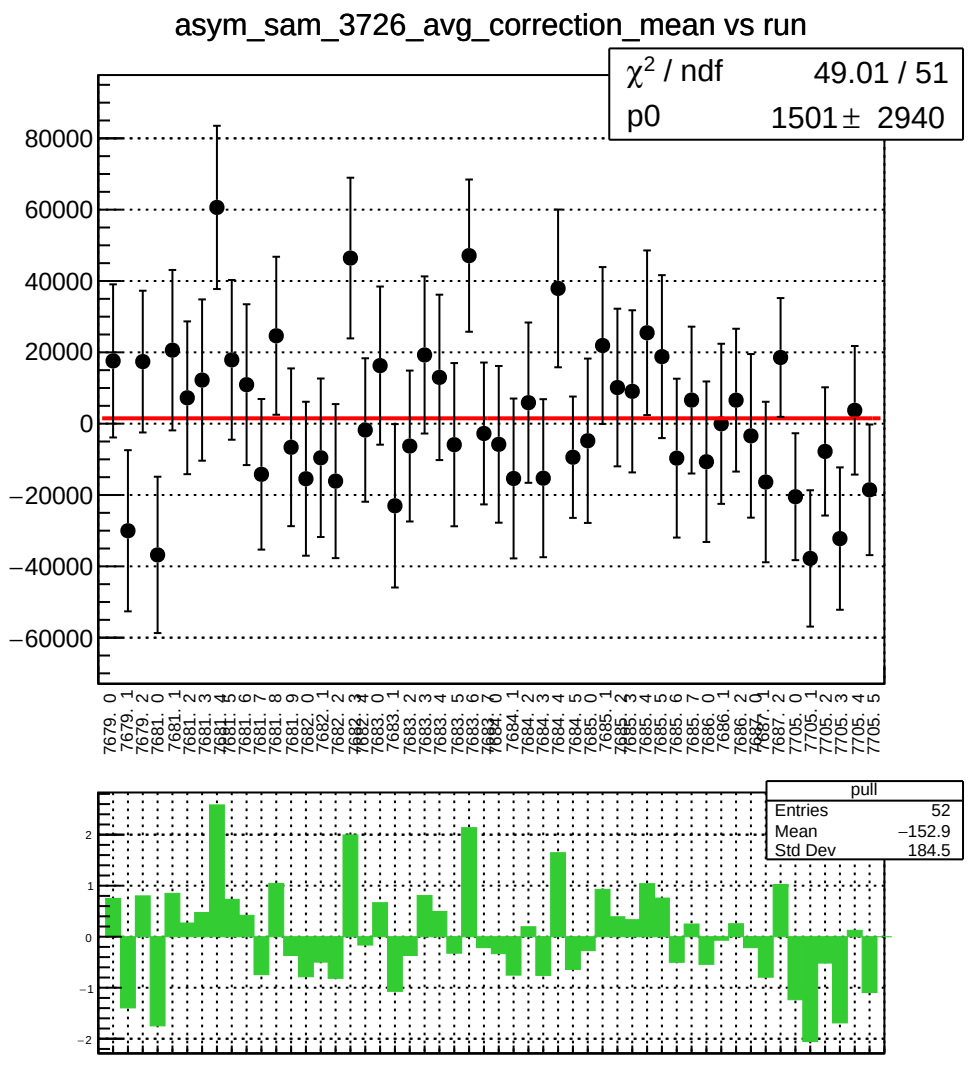

pull1D
Entries 52
Mean −0.03987
Std Dev 1.006

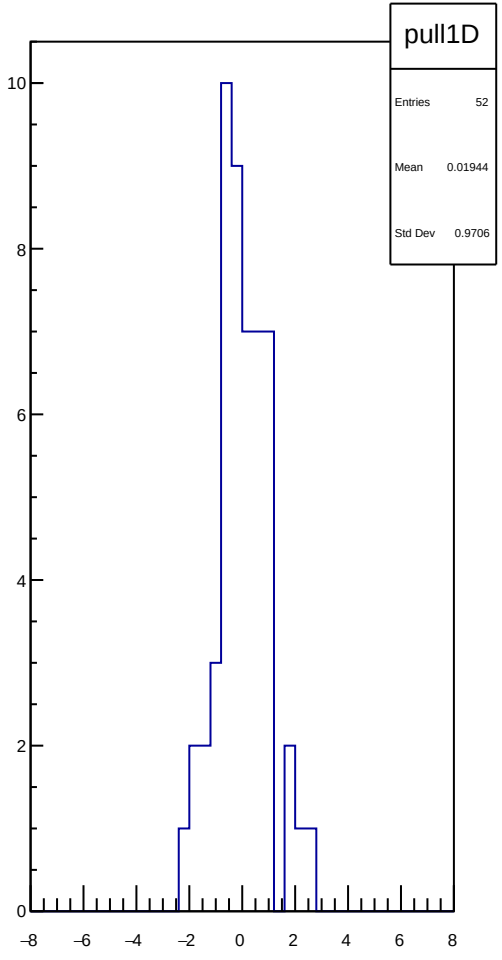

asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.122e+04 / 51
p0 995.2 ± 1.008
1100
1050
1000
950
900
850
800
750
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

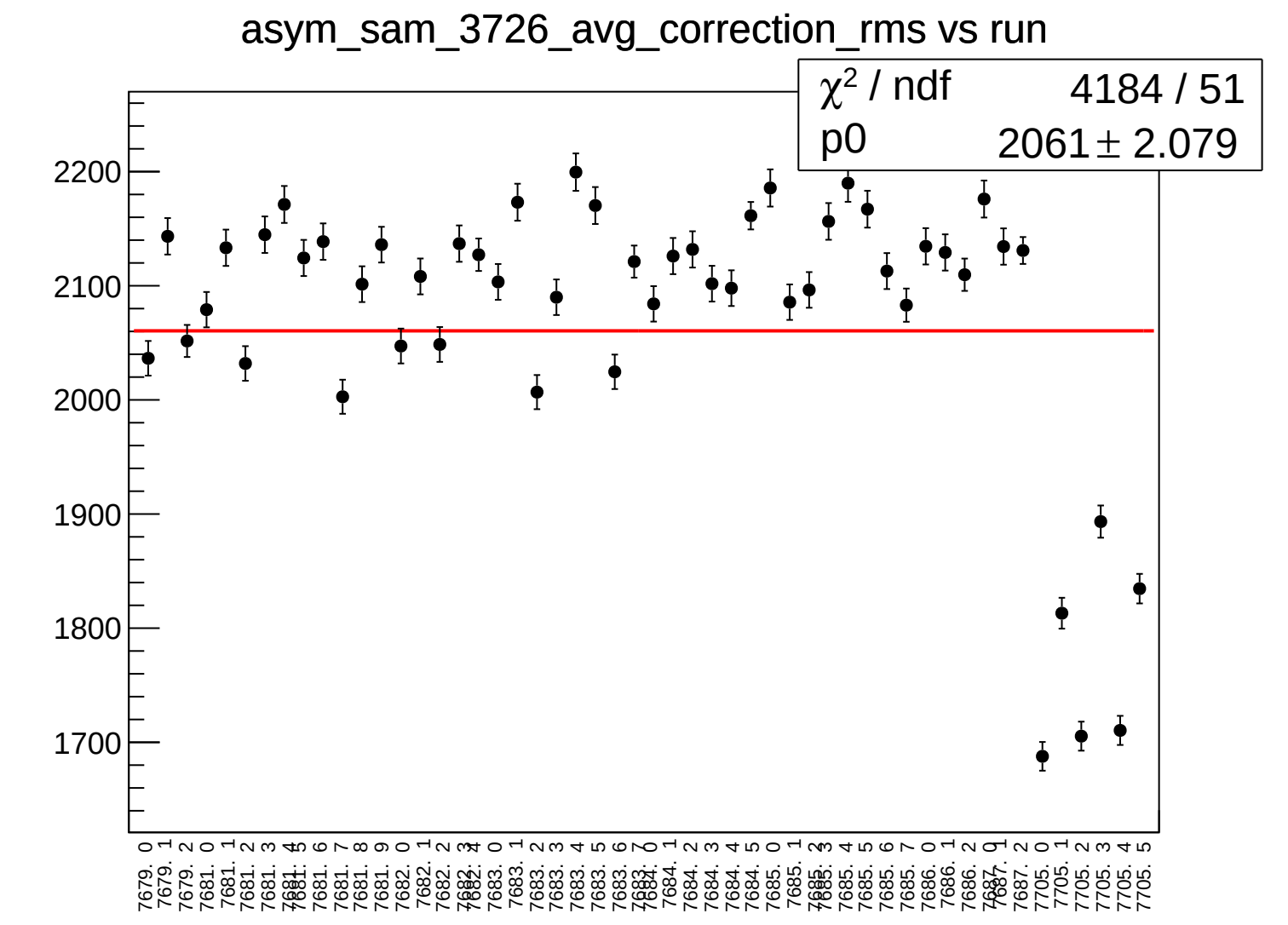

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 38.12 / 51
p0 65.85 ± 334.1
pull
Entries 52
Mean 882.6
Std Dev 878.1

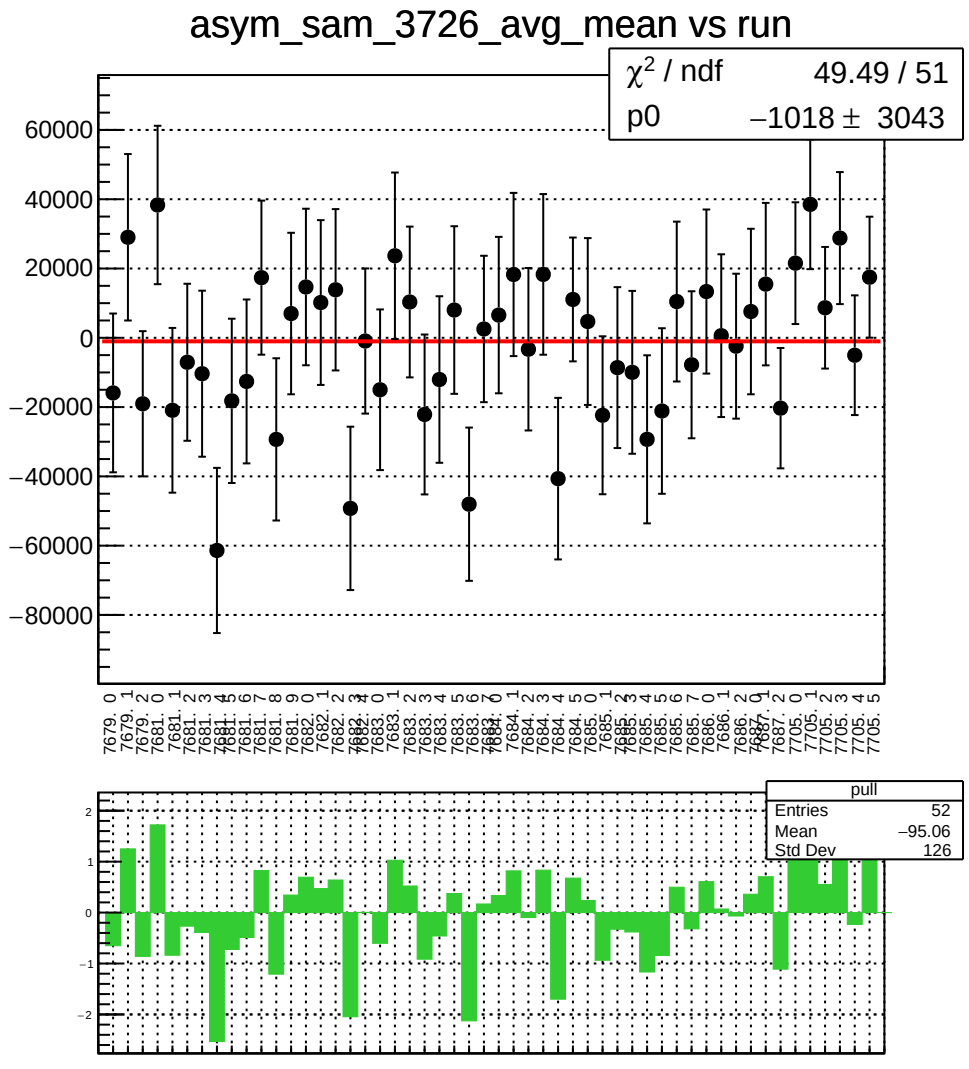

pull1D
Entries 52
Mean 0.0004938
Std Dev 0.8562

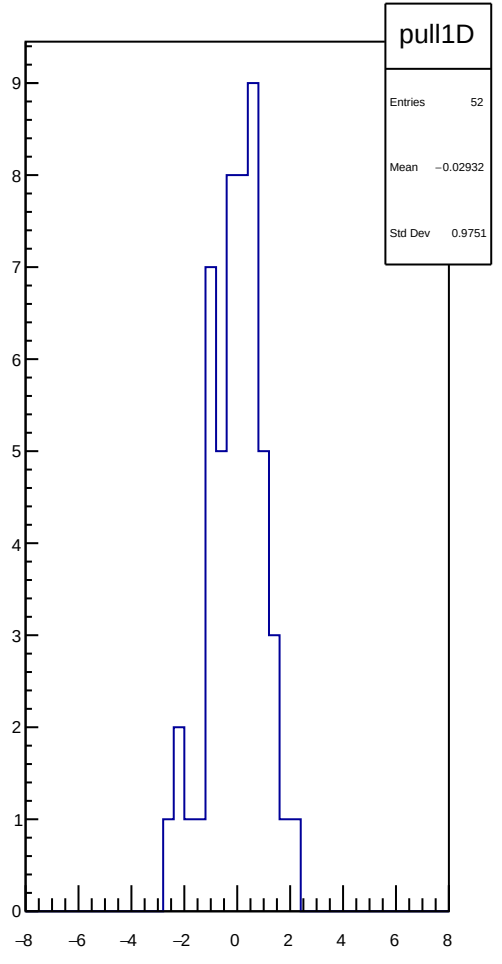

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 5257 / 51
p0 234.1 ± 0.2362
340
320
300
280
260
240
220
200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

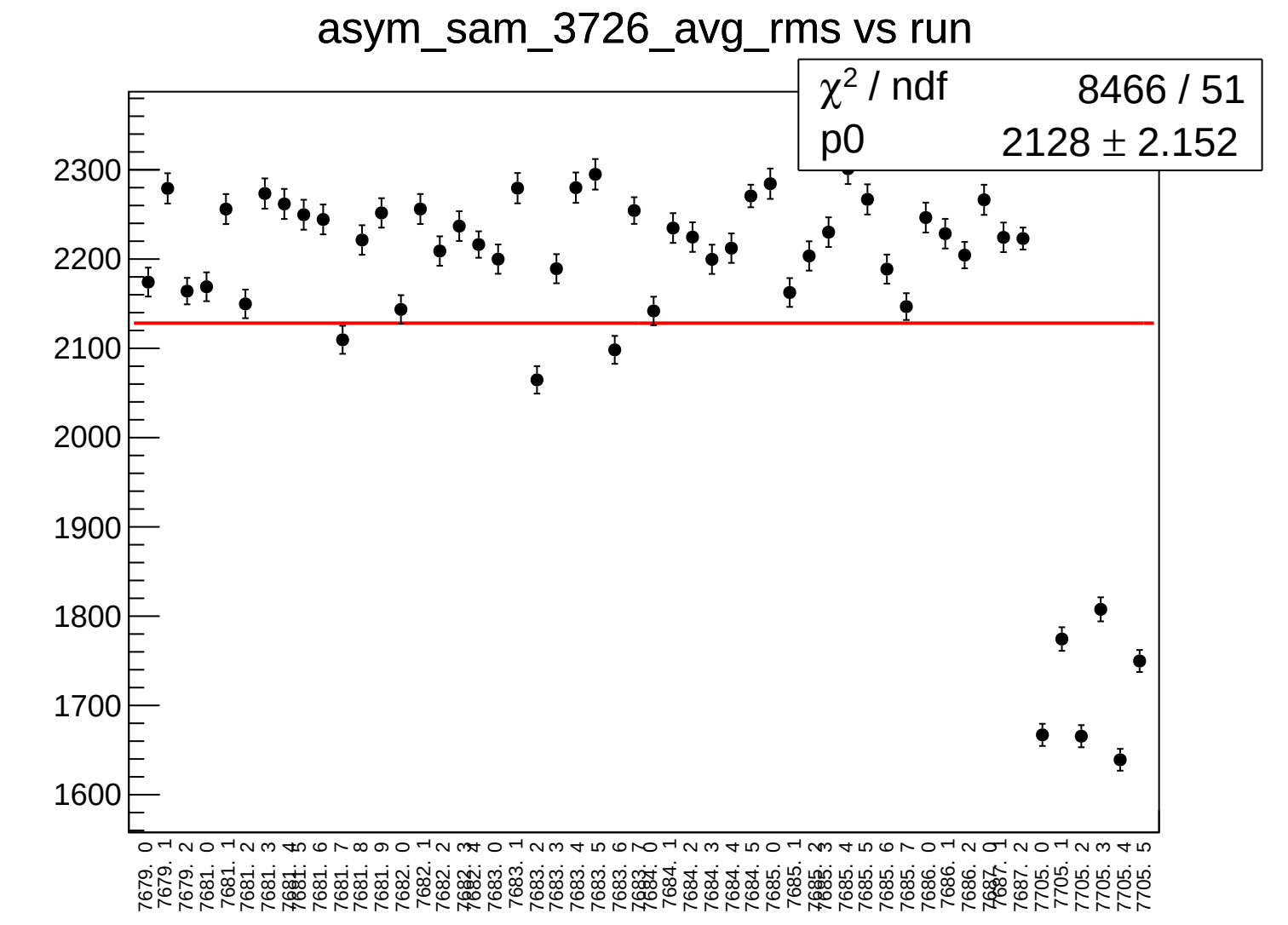

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 49.01 / 51
p0 1501 ± 2940
pull
Entries 52
Mean −152.9
Std Dev 184.5

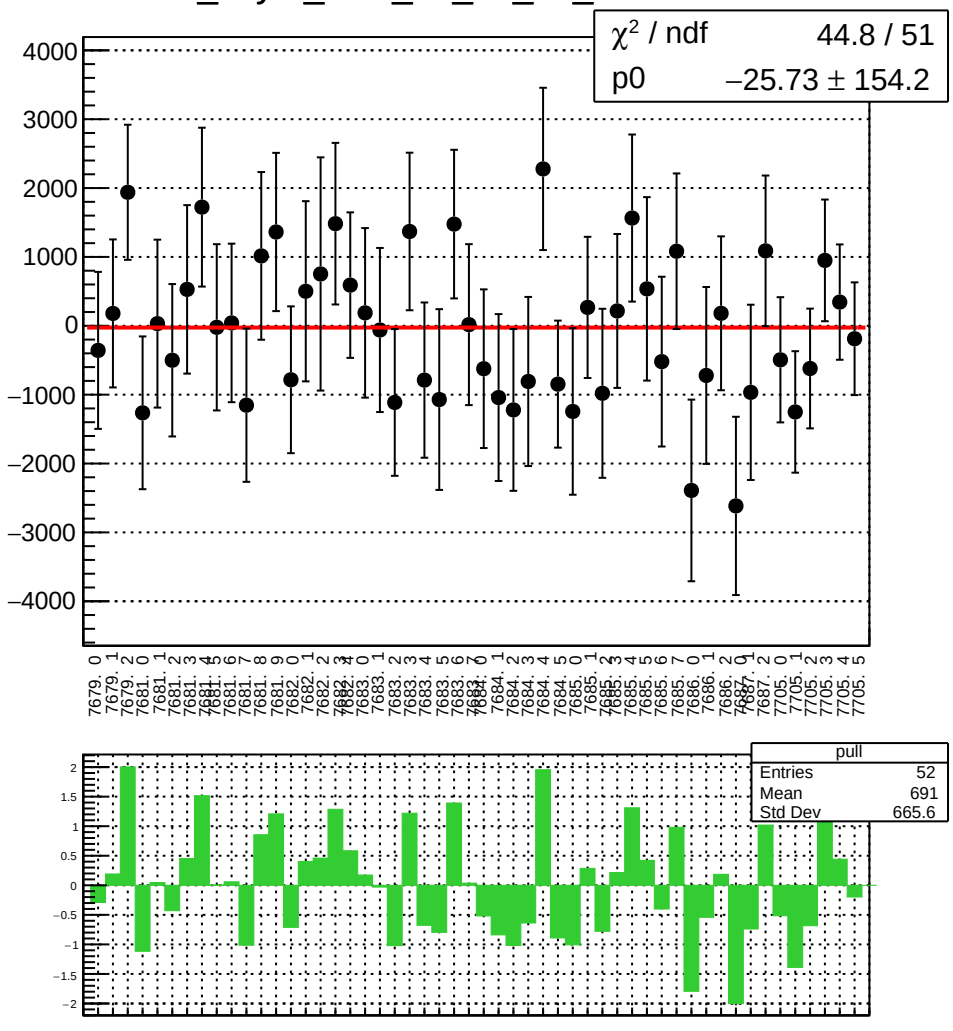

pull1D
Entries 52
Mean 0.01944
Std Dev 0.9706

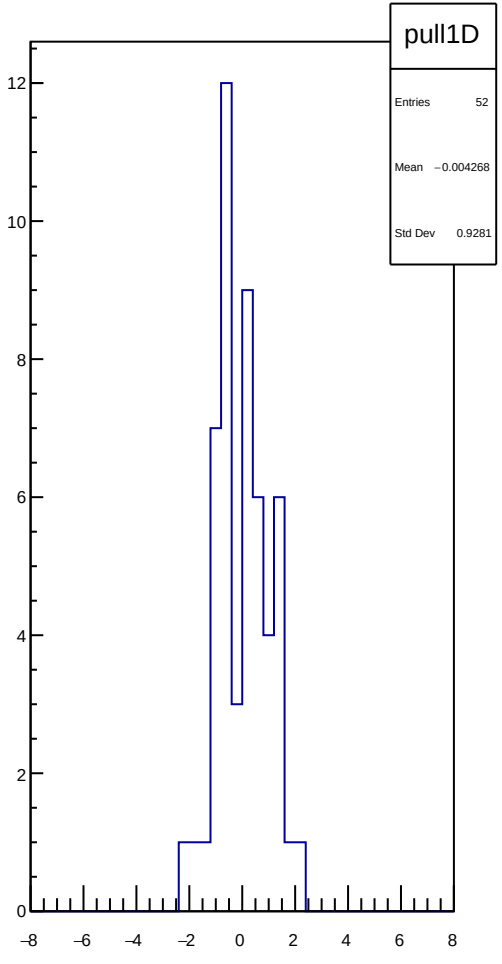

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 4184 / 51
p0 2061 ± 2.079
2200
2100
2000
1900
1800
1700
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

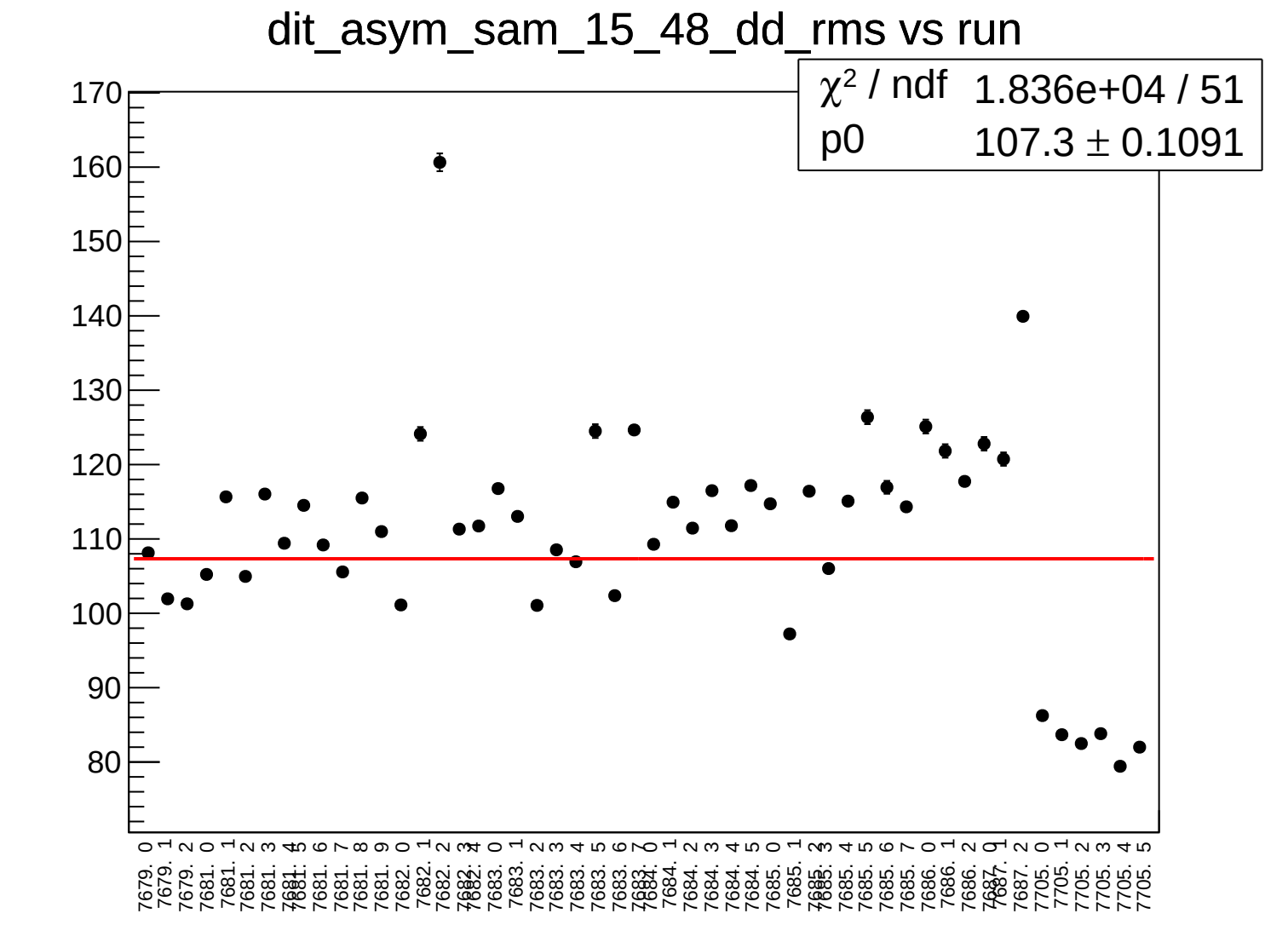

asym_sam_3726_avg_mean vs run
χ² / ndf 49.49 / 51
p0 −1018 ± 3043
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −95.06
Std Dev 126
2
1
0
−1
−2

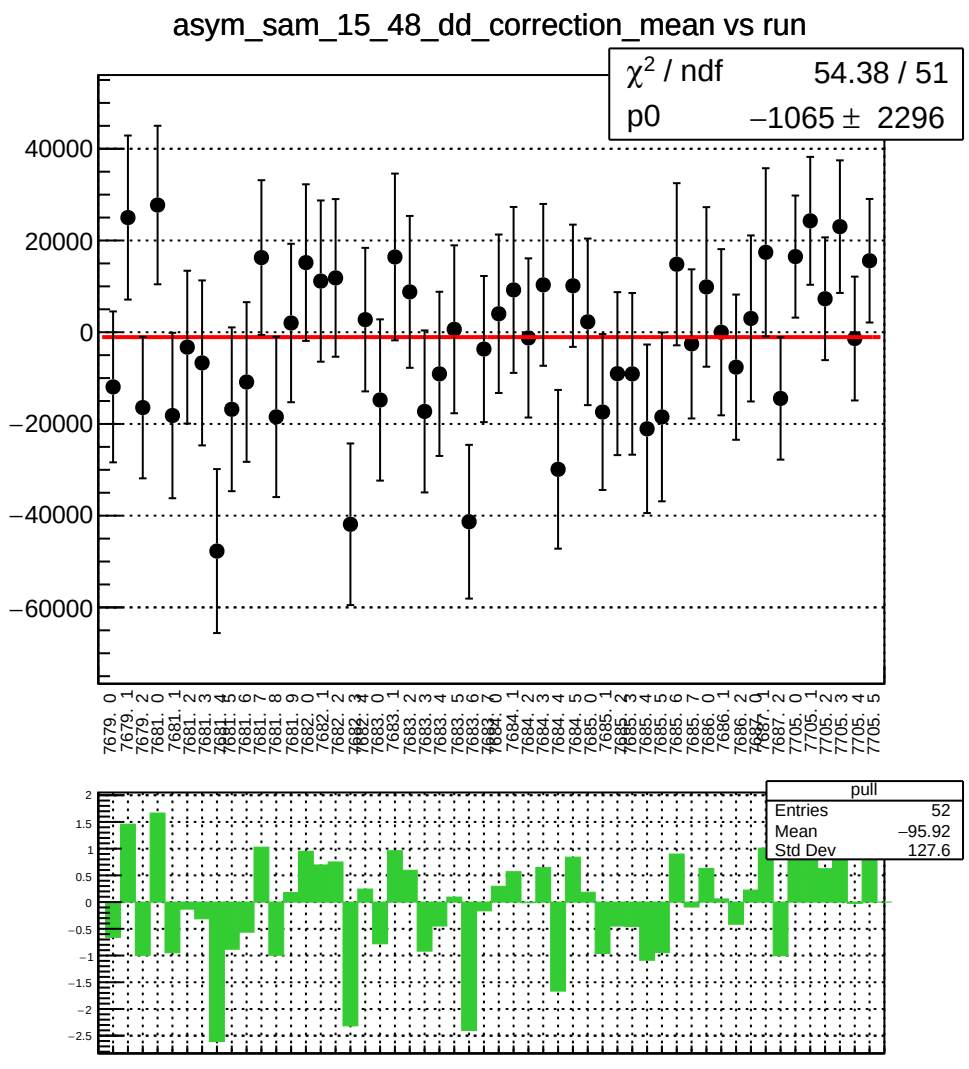

pull1D
Entries 52
Mean −0.02932
Std Dev 0.9751
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

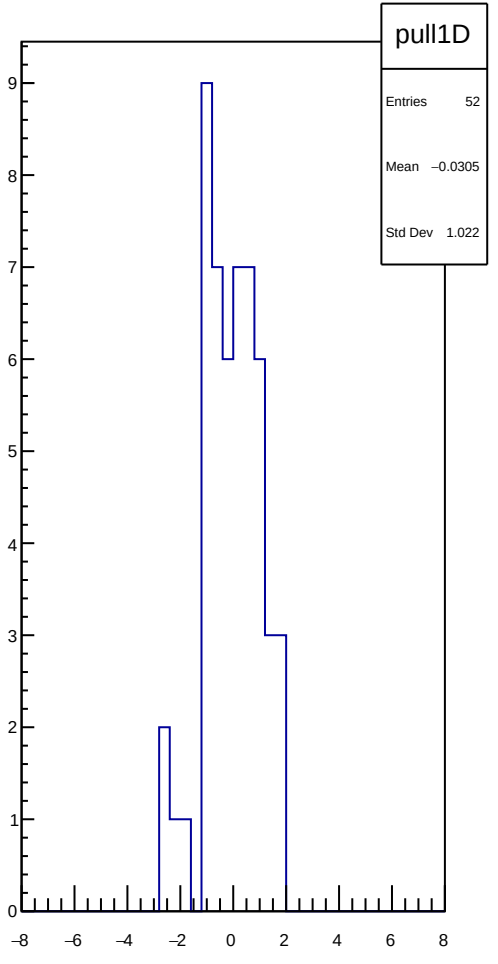

asym_sam_3726_avg_rms vs run
χ² / ndf 8466 / 51
p0 2128 ± 2.152
2300
2200
2100
2000
1900
1800
1700
1600
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

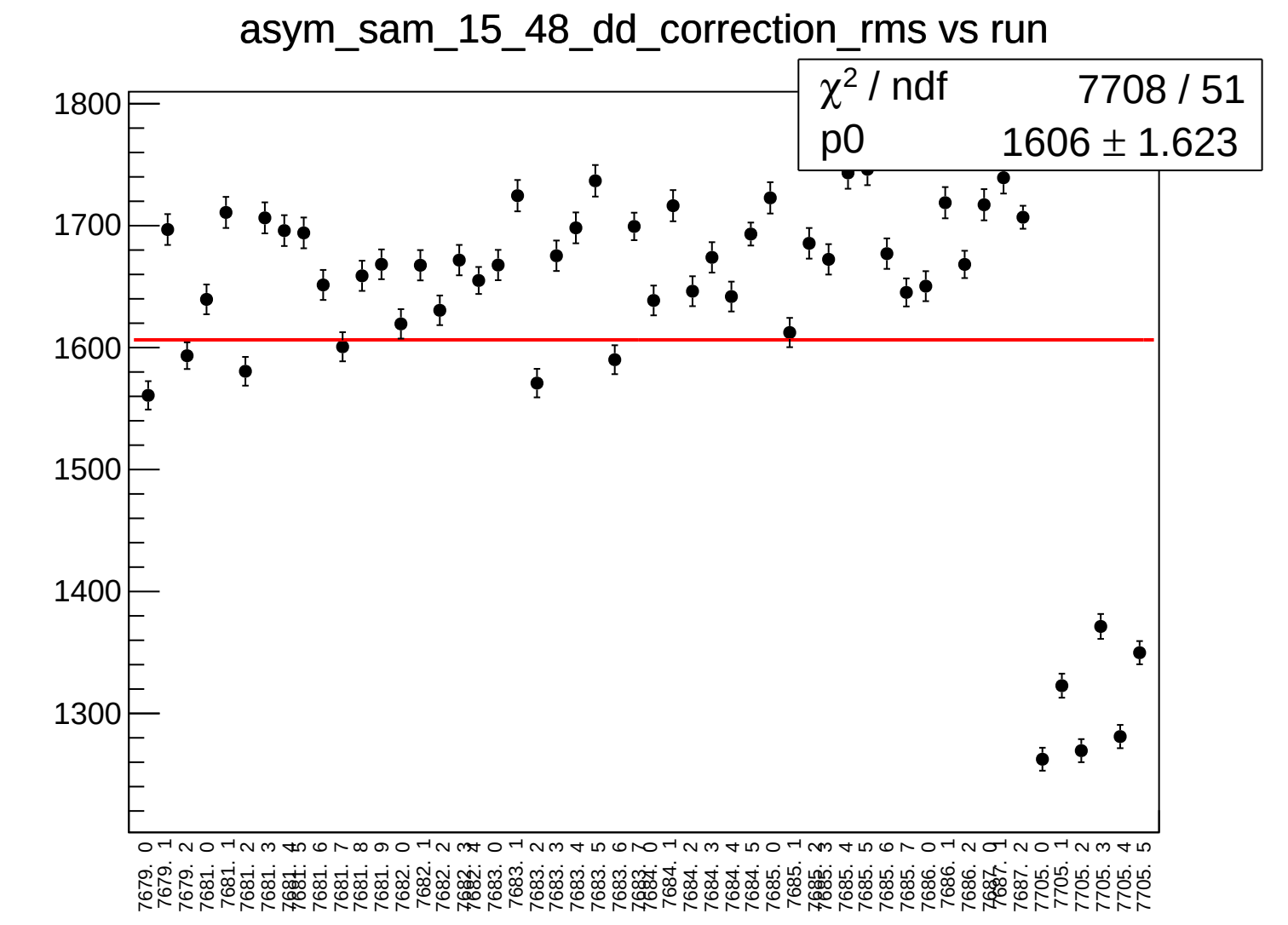

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 44.8 / 51
p0 −25.73 ± 154.2
pull
Entries 52
Mean 691
Std Dev 665.6

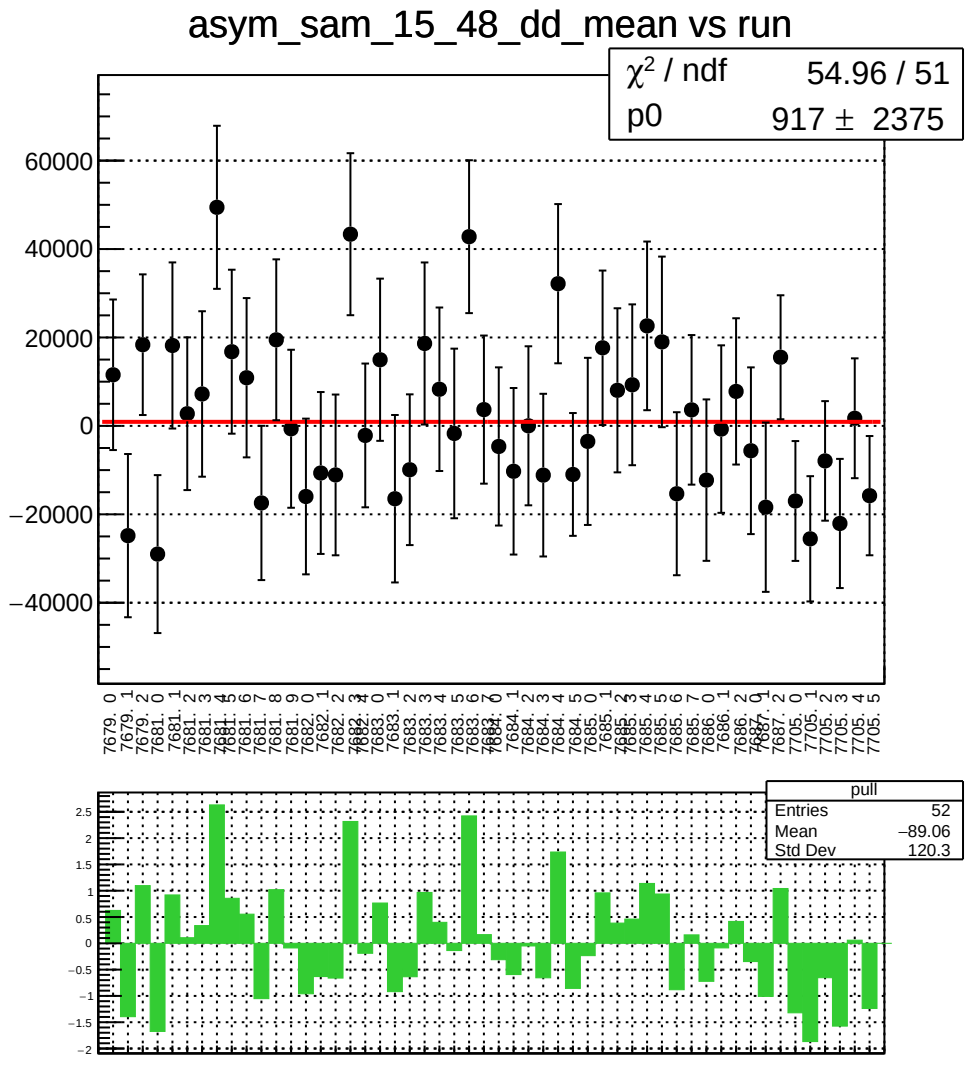

pull1D
Entries 52
Mean −0.004268
Std Dev 0.9281

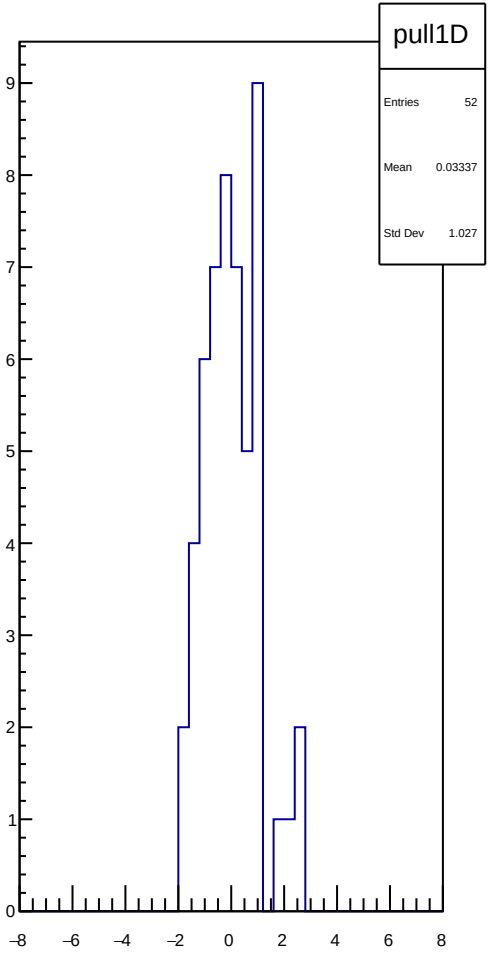

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.836e+04 / 51
p0 107.3 ± 0.1091
170
160
150
140
130
120
110
100
90
80
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

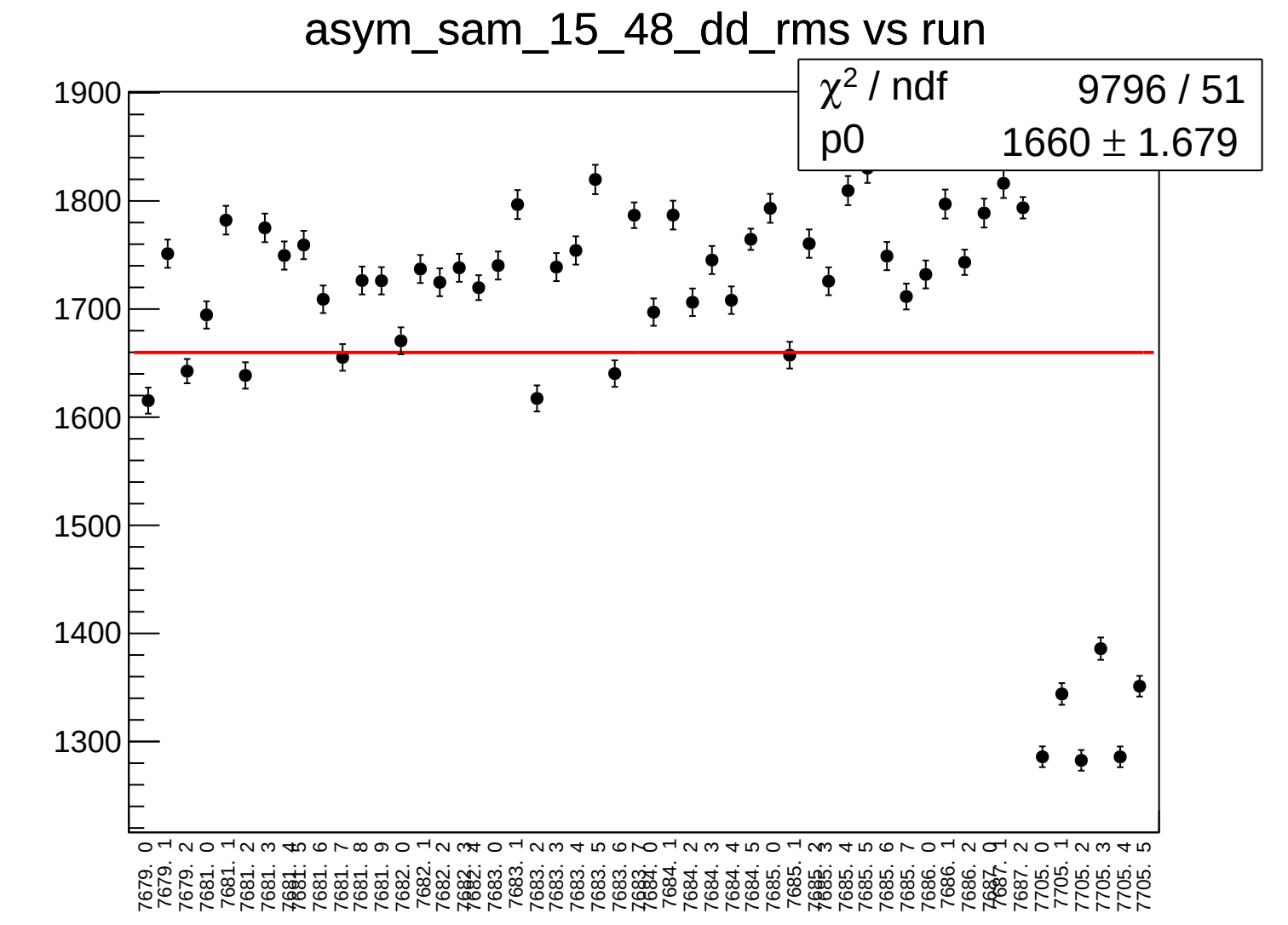

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 54.38 / 51
p0 −1065 ± 2296
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −95.92
Std Dev 127.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

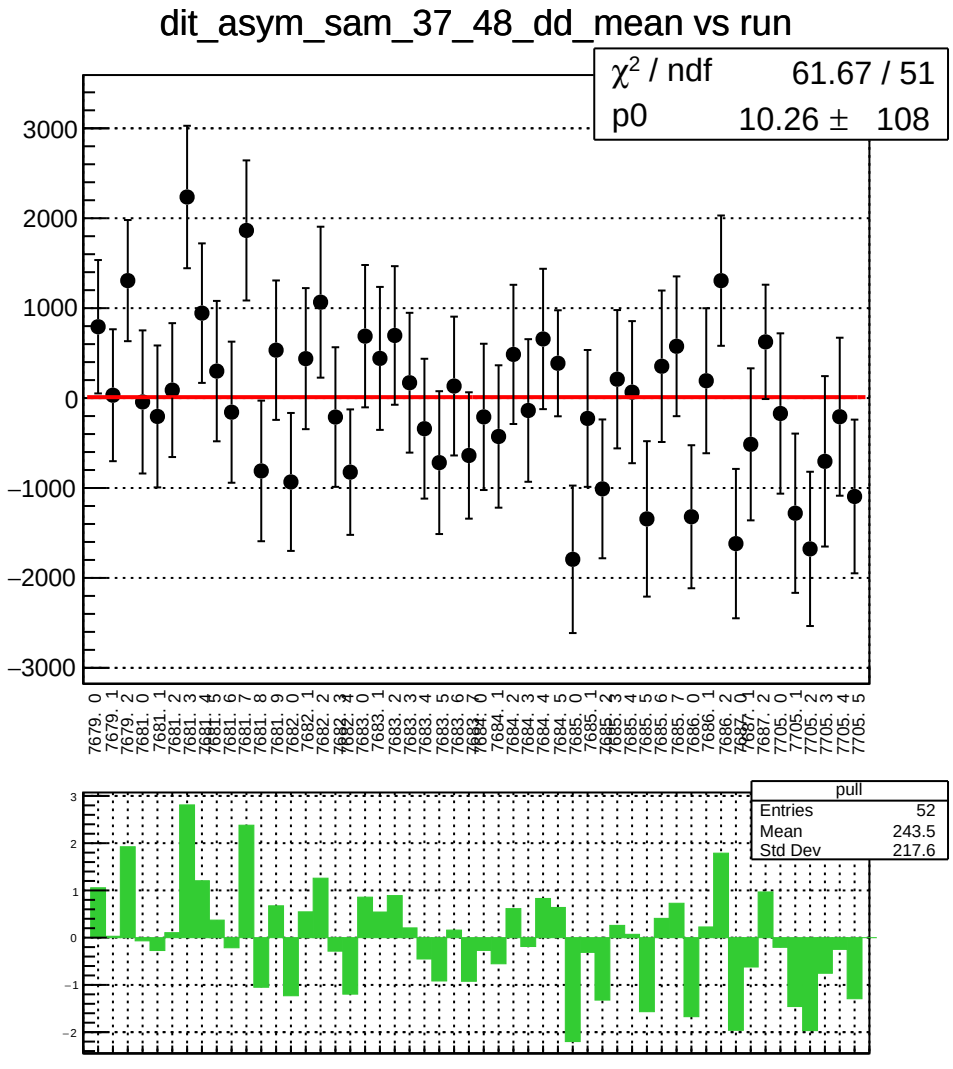

pull1D
Entries 52
Mean −0.0305
Std Dev 1.022
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

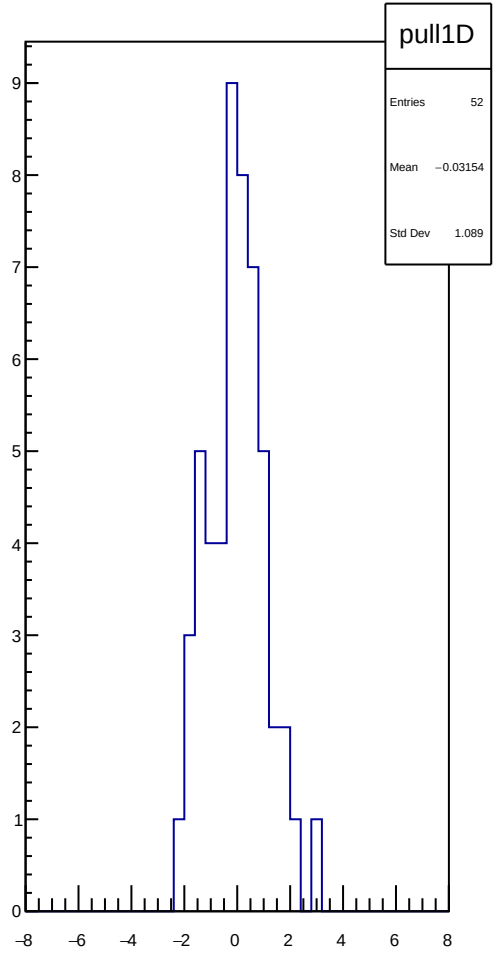

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 7708 / 51
p0 1606 ± 1.623
1800
1700
1600
1500
1400
1300
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

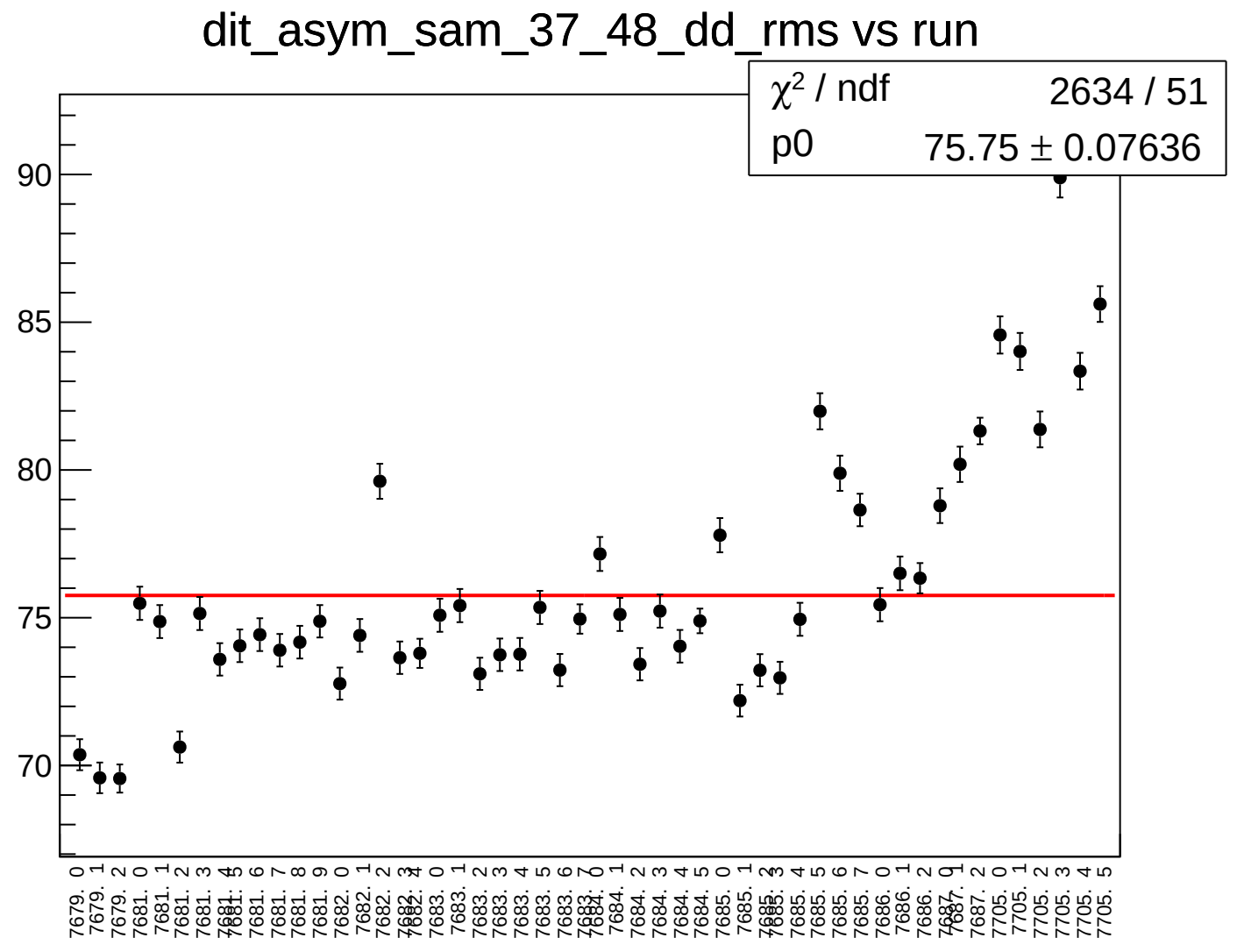

asym_sam_15_48_dd_mean vs run
χ² / ndf 54.96 / 51
p0 917 ± 2375
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −89.06
Std Dev 120.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

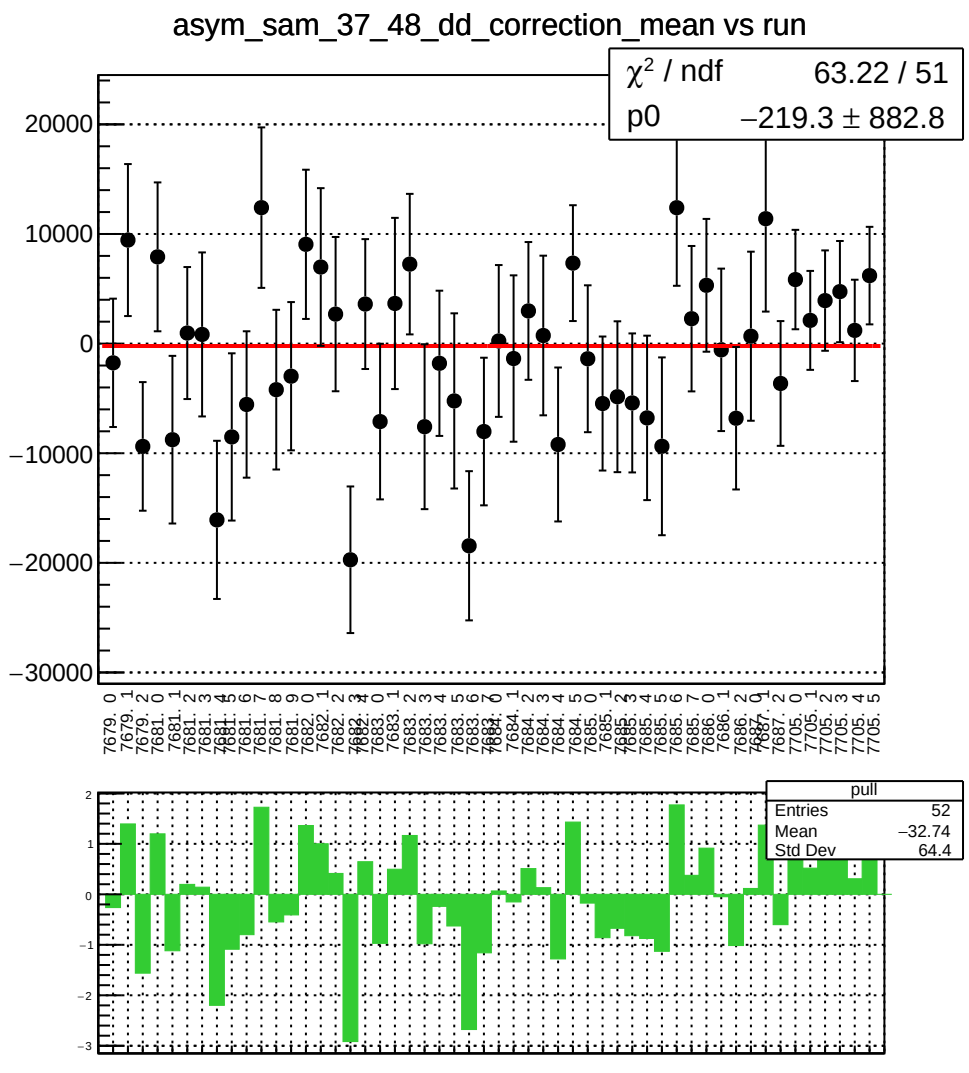

pull1D
Entries 52
Mean 0.03337
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

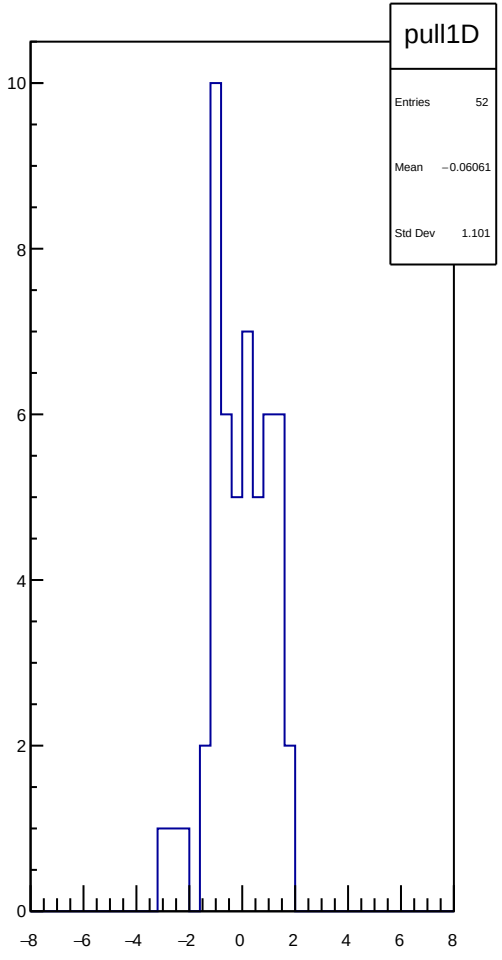

asym_sam_15_48_dd_rms vs run
χ² / ndf 9796 / 51
p0 1660 ± 1.679
1900
1800
1700
1600
1500
1400
1300
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

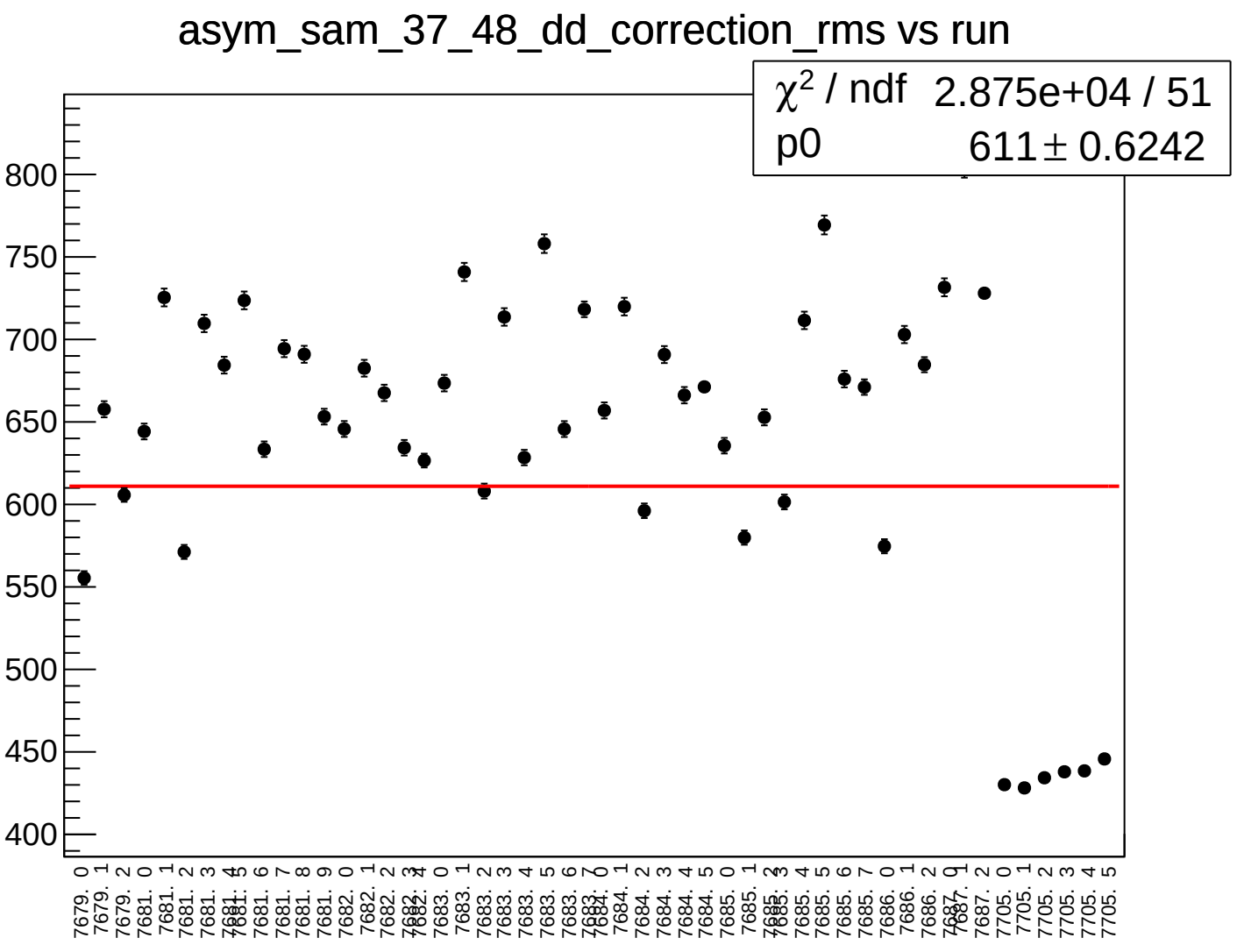

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 61.67 / 51
p0 10.26 ± 108
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean 243.5
Std Dev 217.6
3
2
1
0
−1
−2

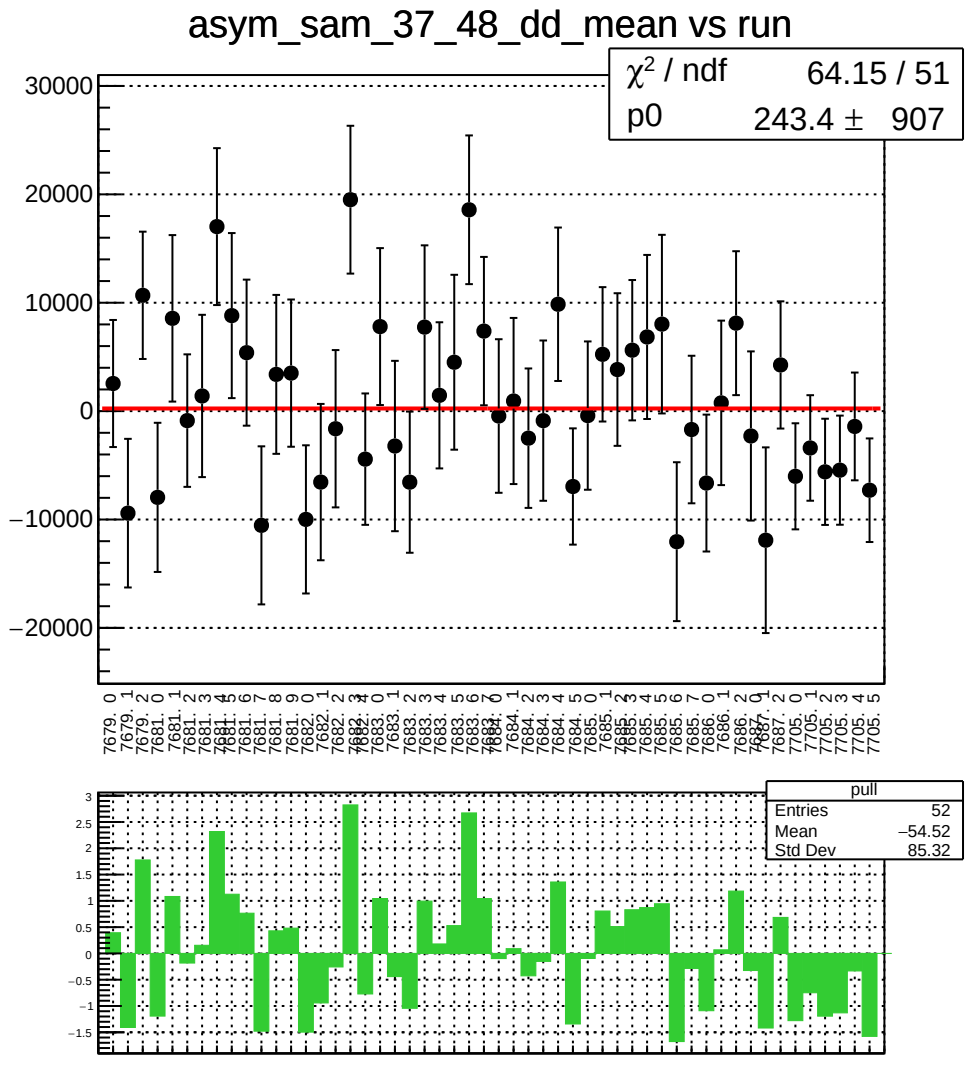

pull1D
Entries 52
Mean −0.03154
Std Dev 1.089
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

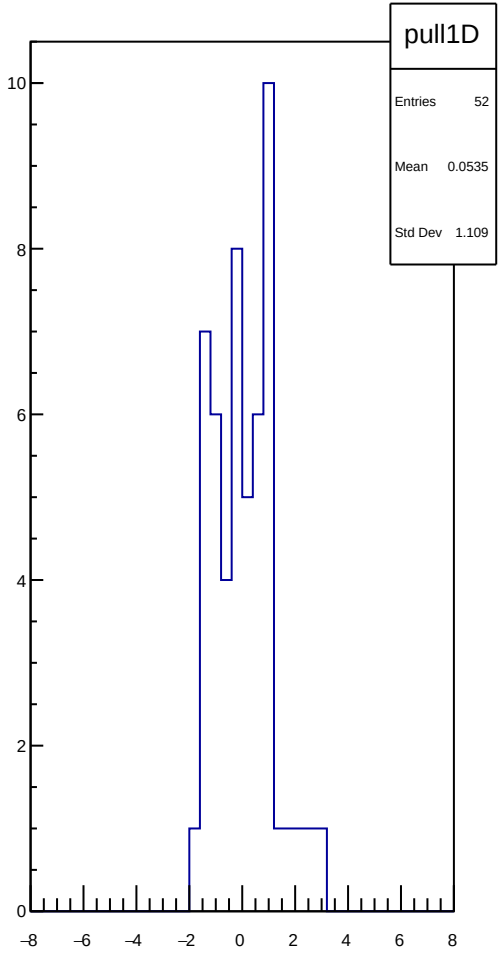

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2634 / 51
p0 75.75 ± 0.07636
90
85
80
75
70
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

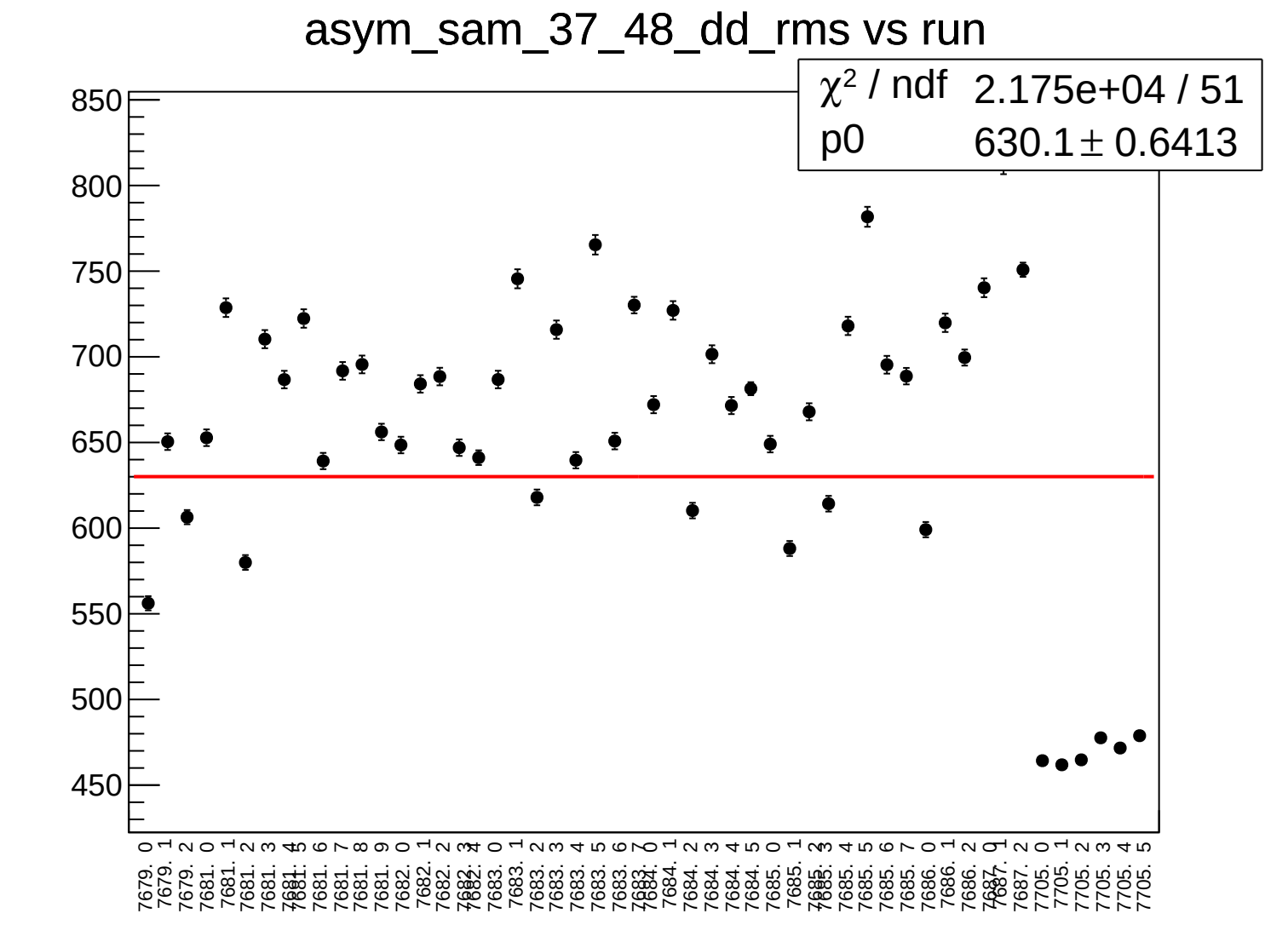

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 63.22 / 51
p0 −219.3 ± 882.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −32.74
Std Dev 64.4
2
1
0
−1
−2
−3

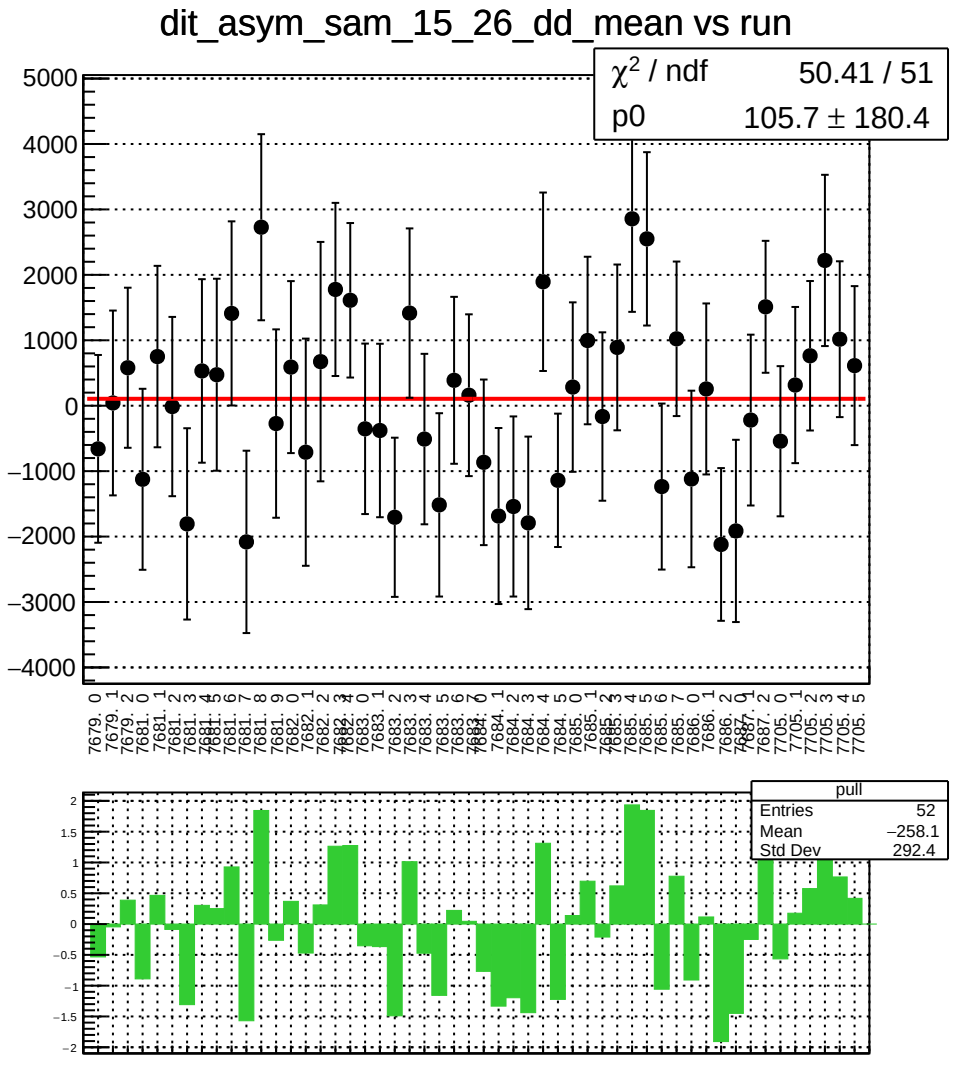

pull1D
Entries 52
Mean −0.06061
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

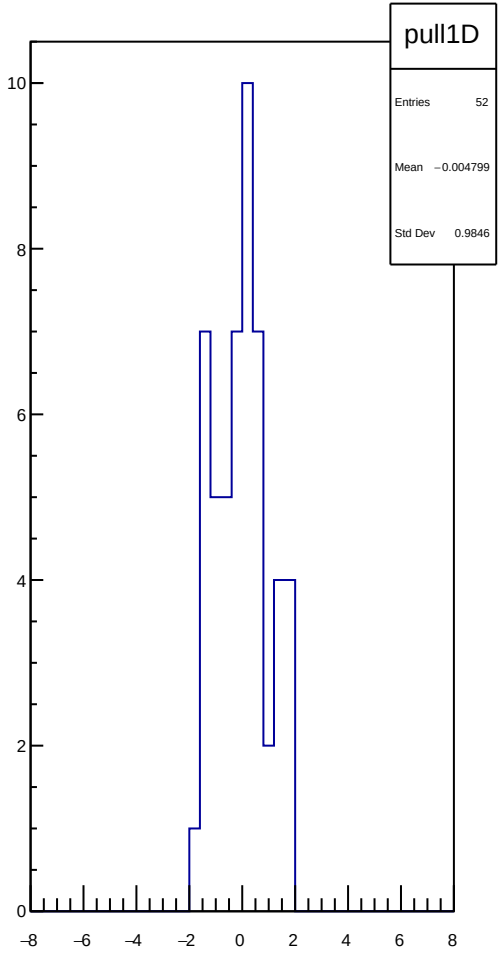

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2.875e+04 / 51
p0 611 ± 0.6242
800
750
700
650
600
550
500
450
400
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

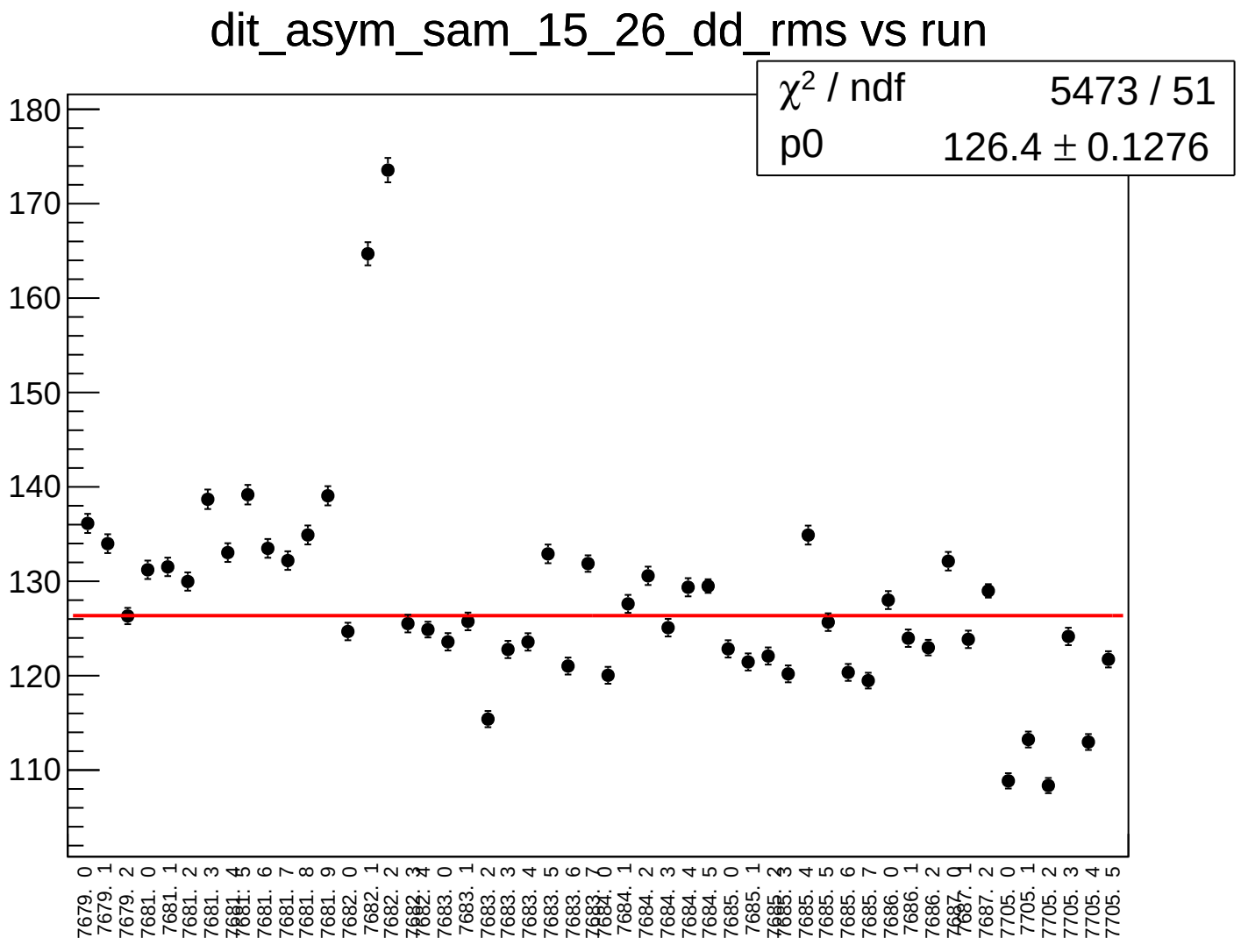

asym_sam_37_48_dd_mean vs run
χ² / ndf 64.15 / 51
p0 243.4 ± 907
pull
Entries 52
Mean −54.52
Std Dev 85.32

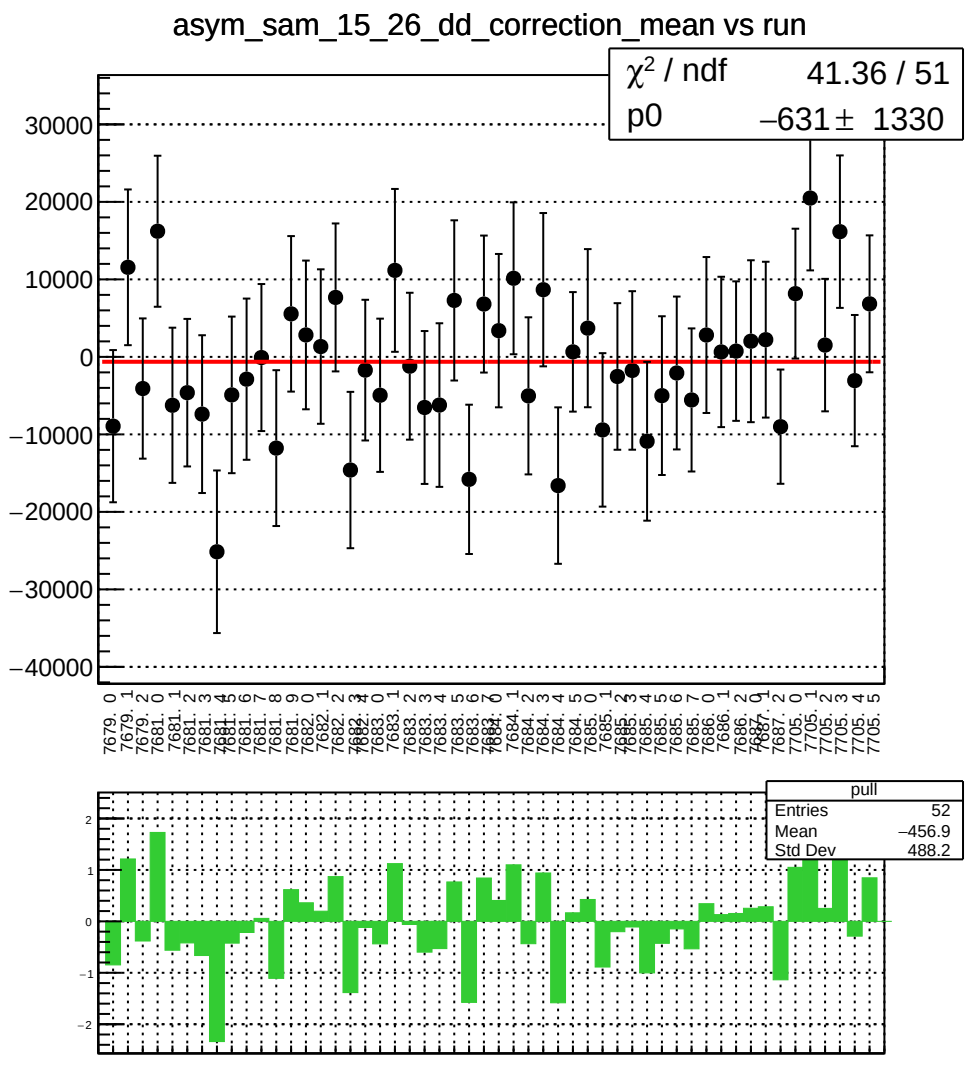

pull1D
Entries 52
Mean 0.0535
Std Dev 1.109

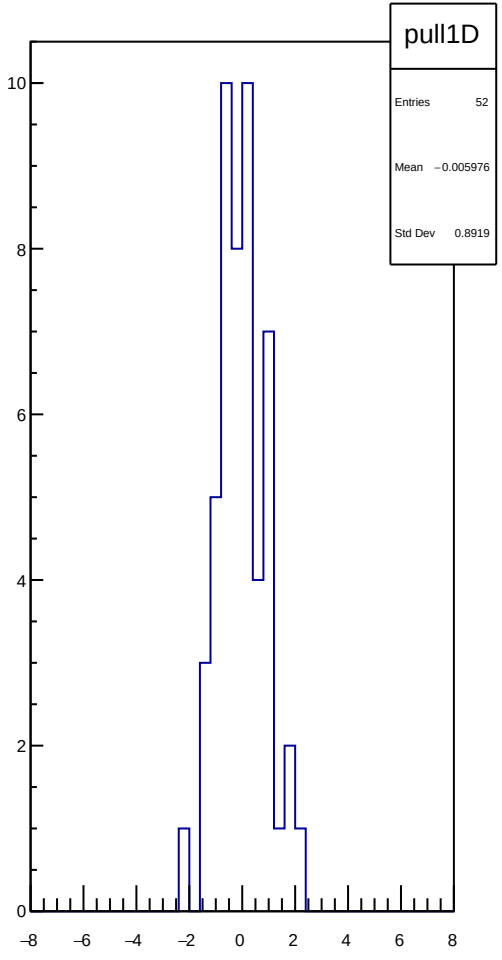

asym_sam_37_48_dd_rms vs run
χ² / ndf 2.175e+04 / 51
p0 630.1 ± 0.6413
850
800
750
700
650
600
550
500
450
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

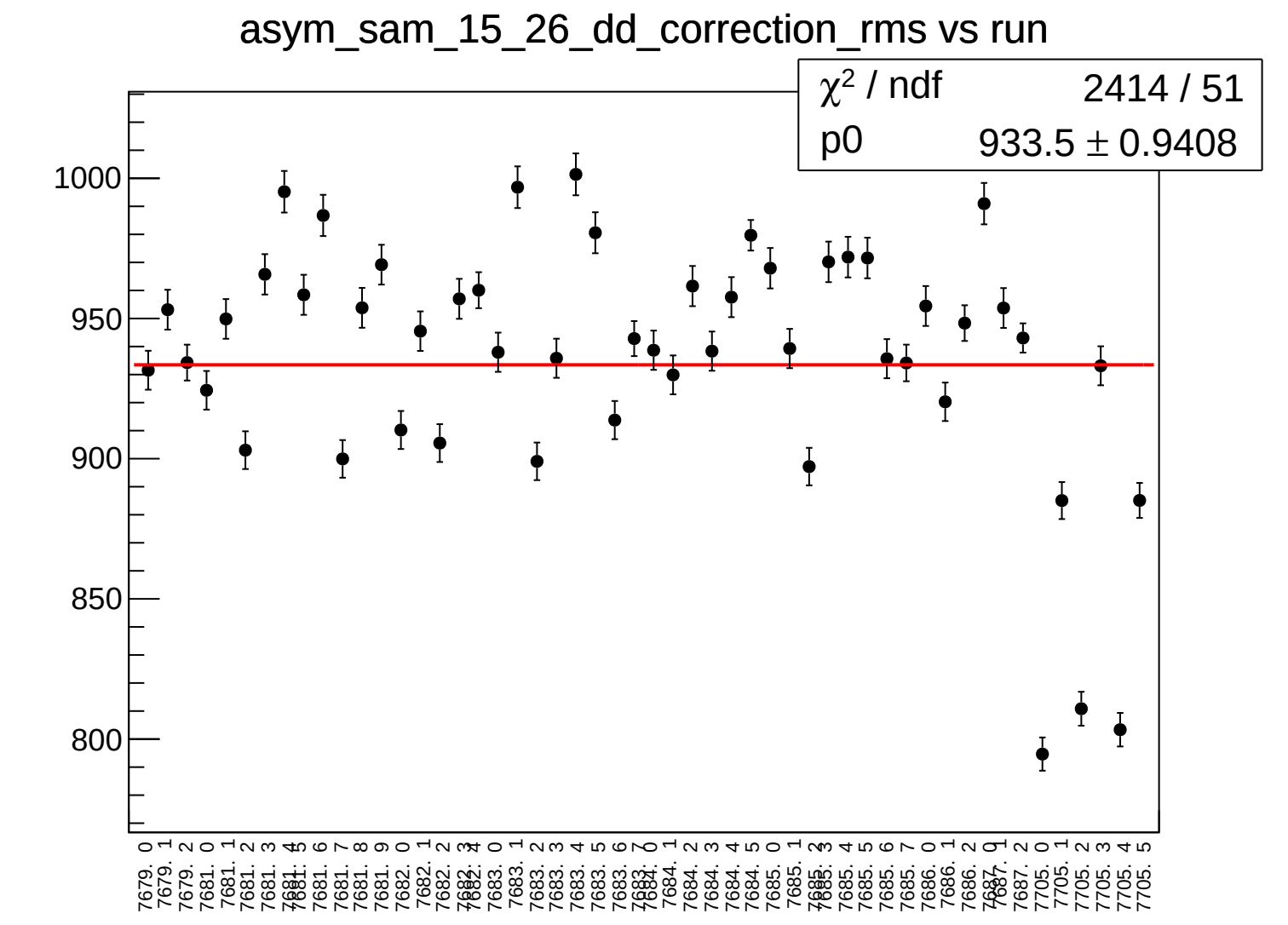

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 50.41 / 51
p0 105.7 ± 180.4
pull
Entries 52
Mean −258.1
Std Dev 292.4

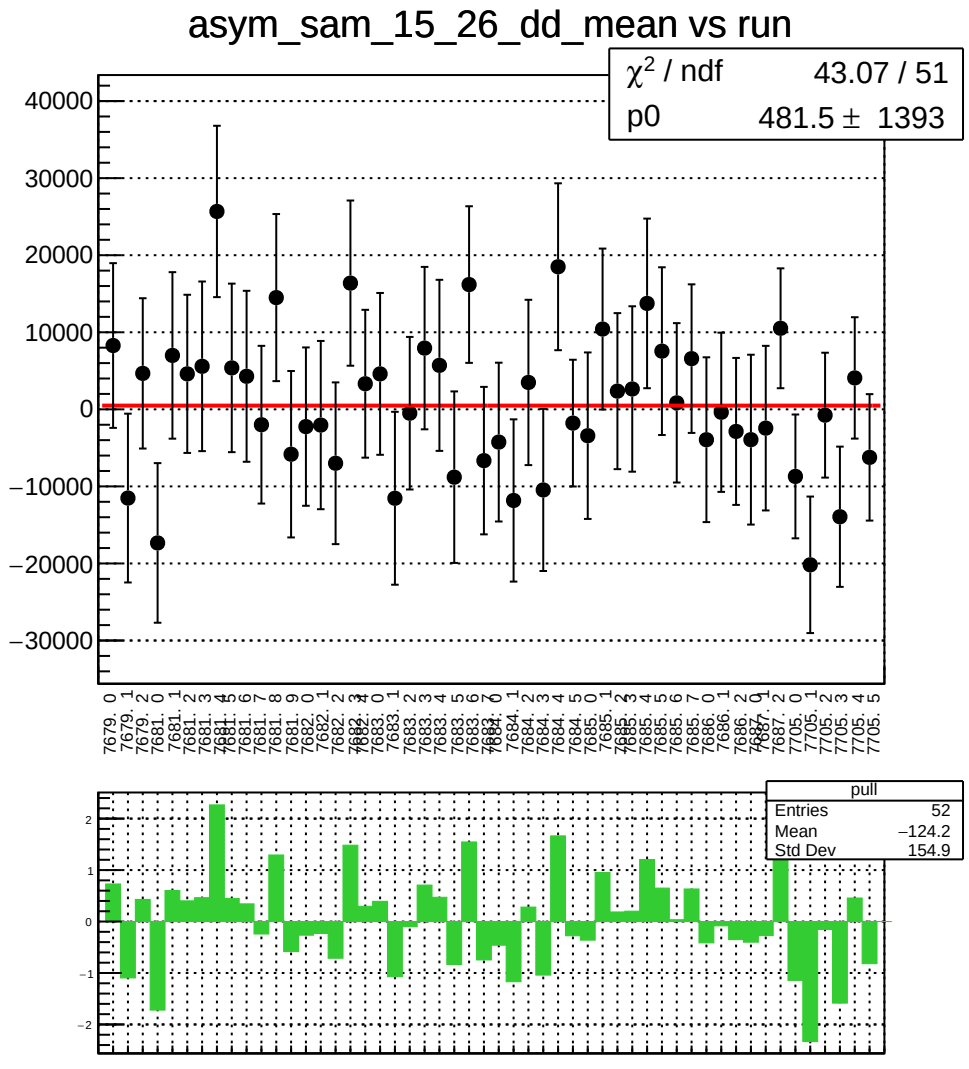

pull1D
Entries 52
Mean −0.004799
Std Dev 0.9846

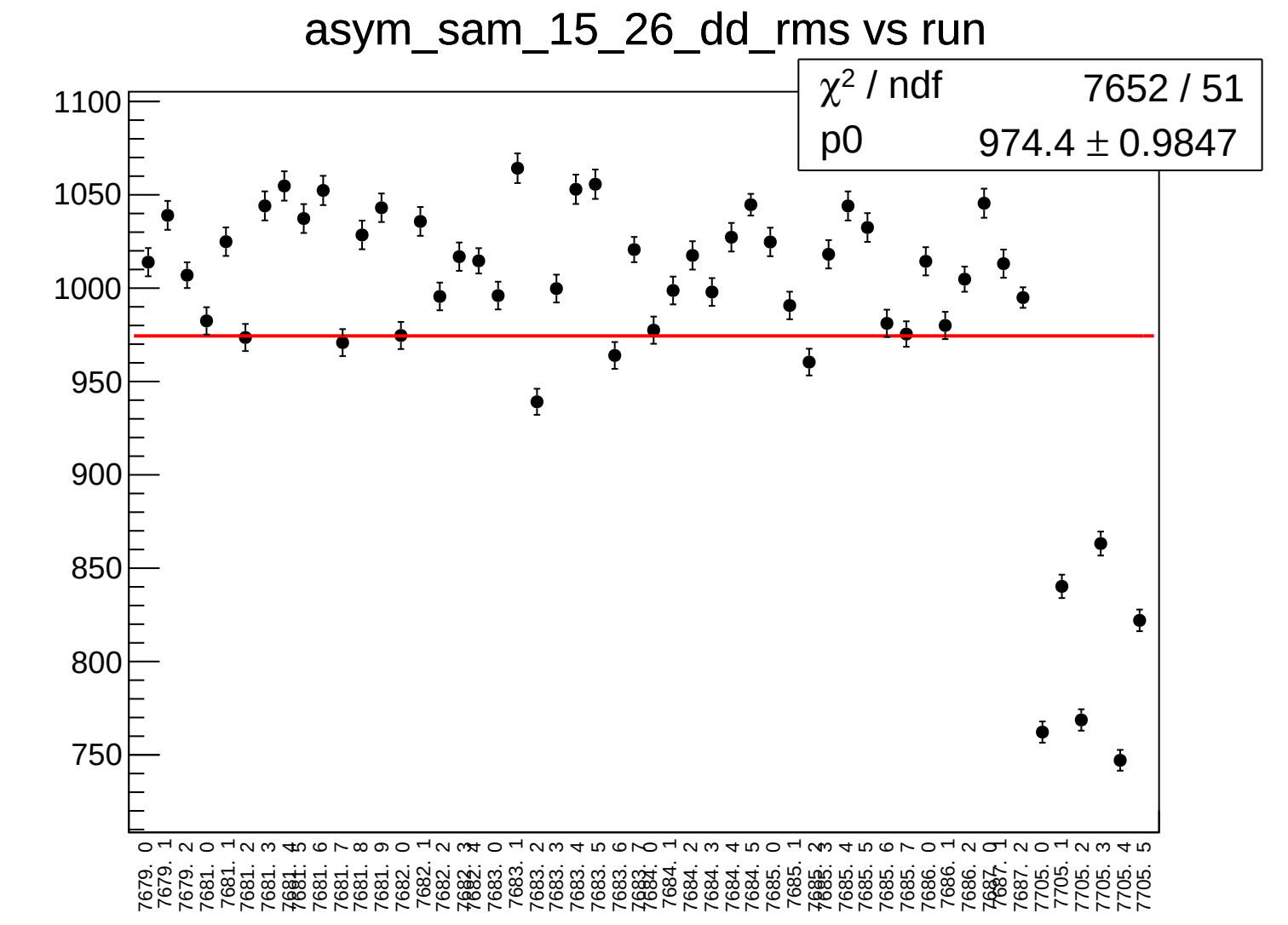

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 5473 / 51
p0 126.4 ± 0.1276
180
170
160
150
140
130
120
110
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

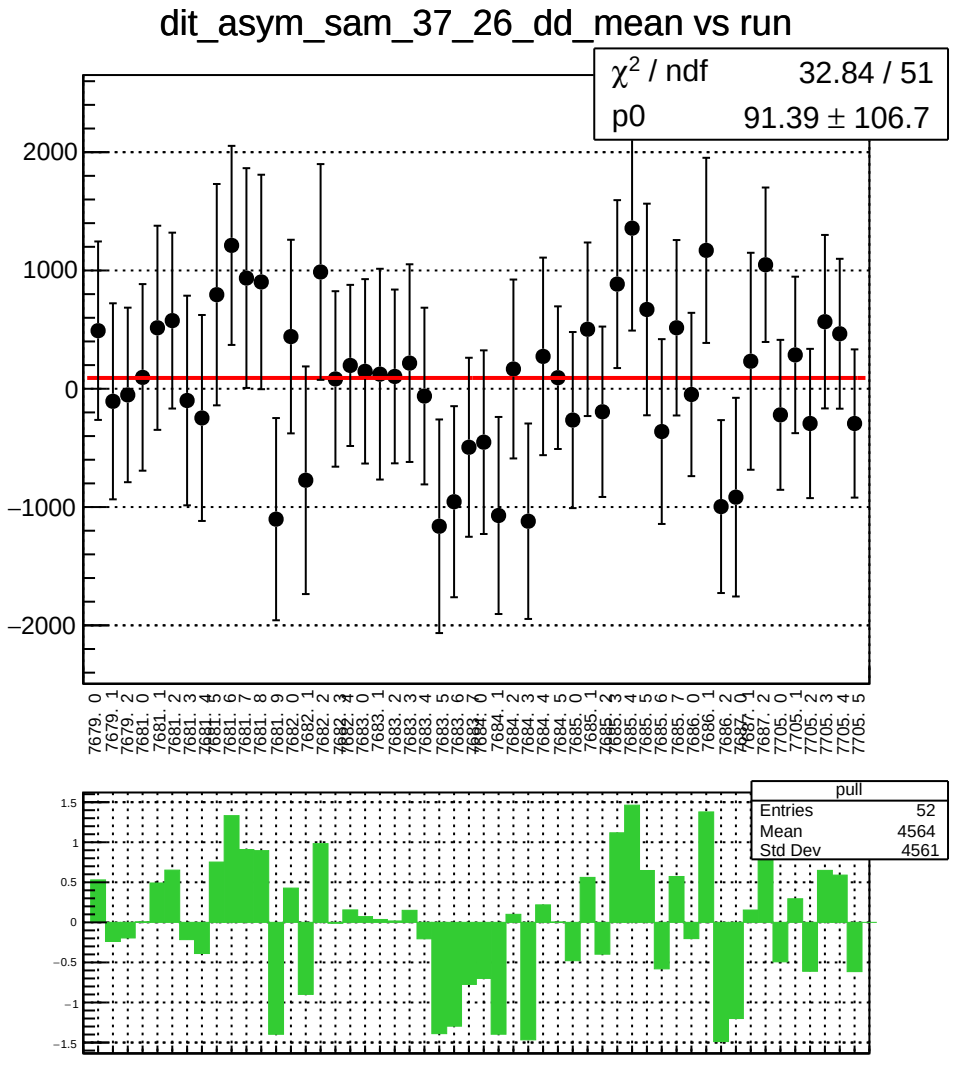

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 41.36 / 51
p0 −631 ± 1330
30000
20000
10000
0
−10000
−20000
−30000
−40000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 4
7681. 5
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7683. 7
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5
pull
Entries 52
Mean −456.9
Std Dev 488.2
2
1
0
−1
−2

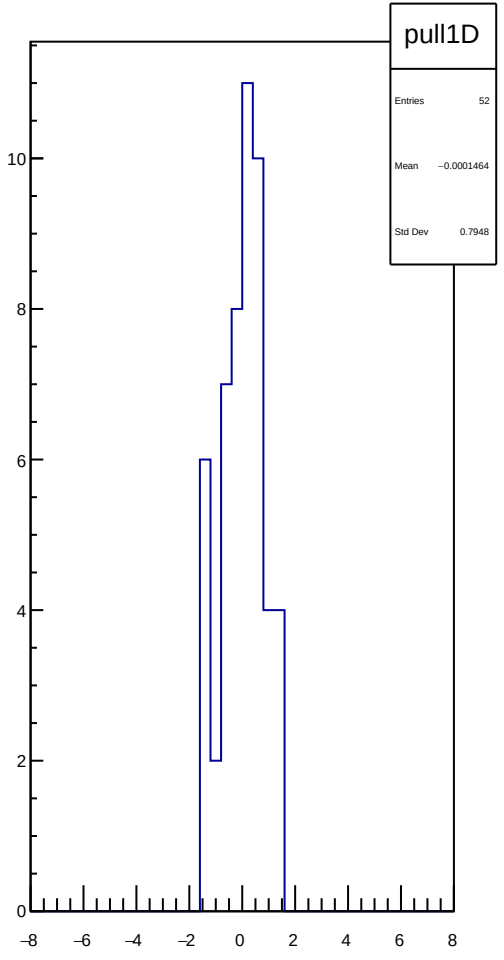

pull1D
Entries 52
Mean −0.005976
Std Dev 0.8919
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

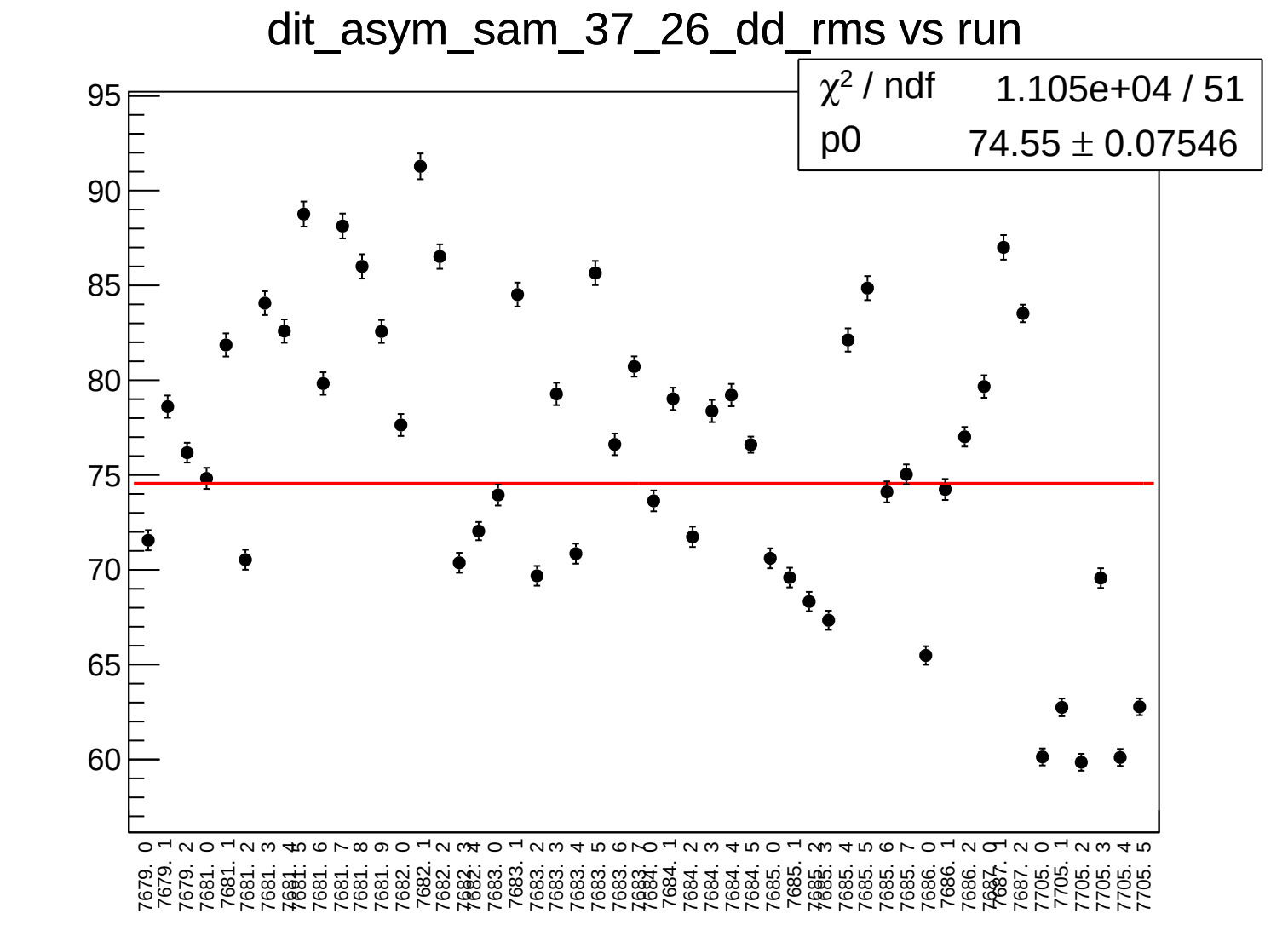

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2414 / 51
p0 933.5 ± 0.9408
1000
950
900
850
800

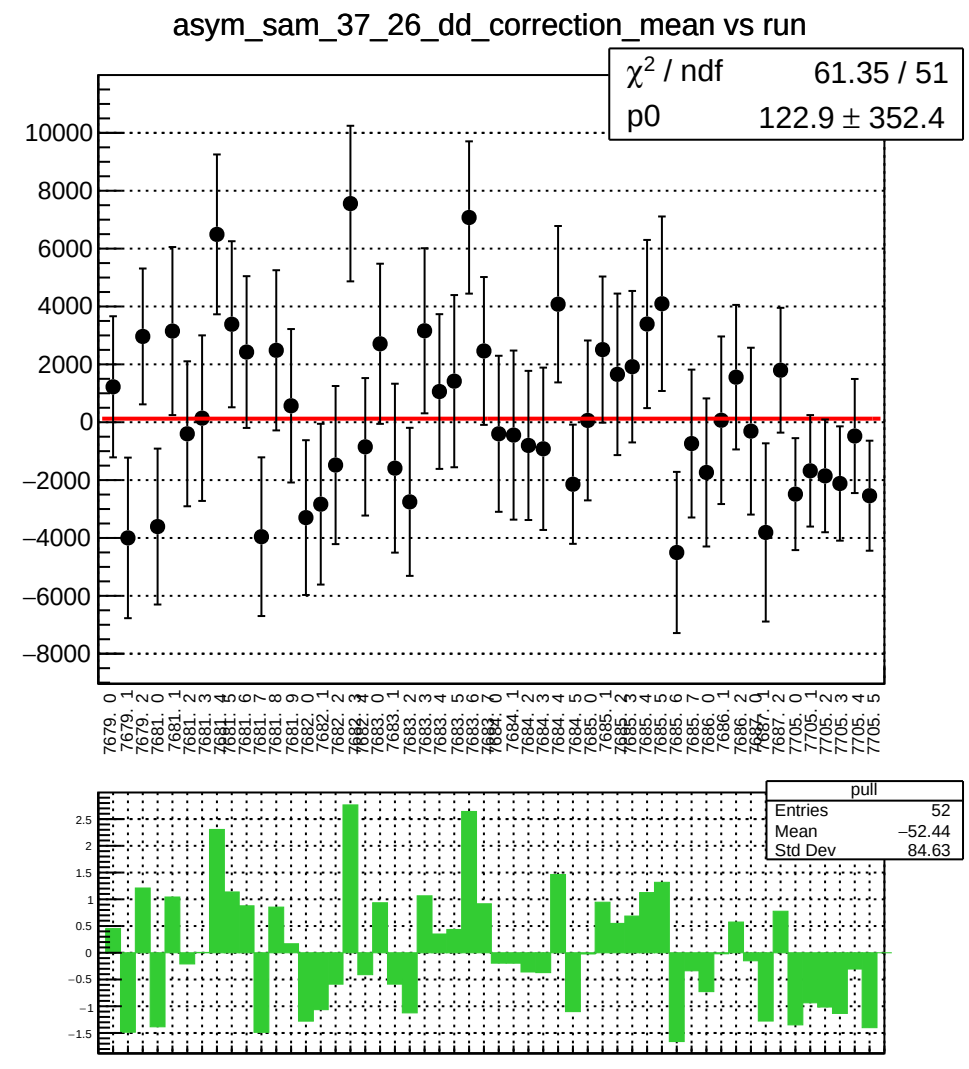

asym_sam_15_26_dd_mean vs run
χ^2 / ndf 43.07 / 51
p0 481.5 ± 1393
40000
30000
20000
10000
0
−10000
−20000
−30000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 4
7681. 5
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7683. 7
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5
pull
Entries 52
Mean −124.2
Std Dev 154.9
2
1
0
−1
−2
pull1D
Entries 52
Mean 0.01852
Std Dev 0.9099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

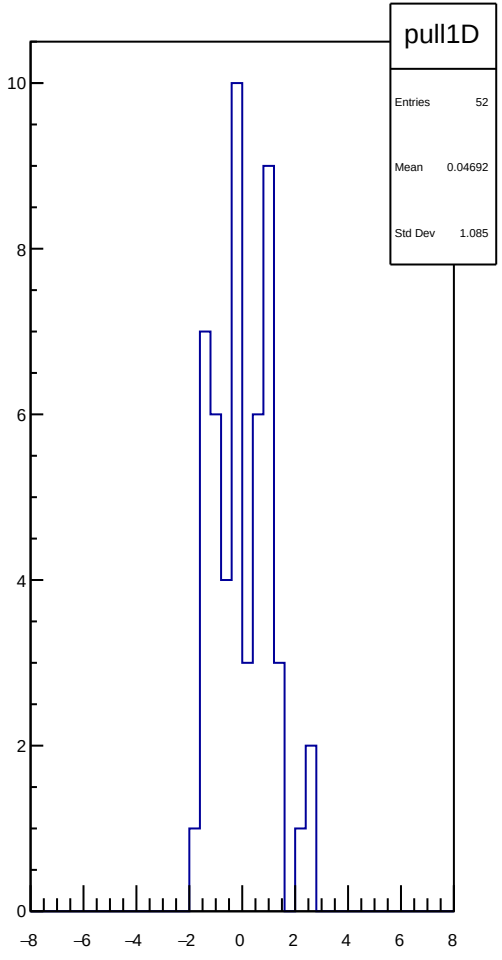

asym_sam_15_26_dd_rms vs run
χ² / ndf 7652 / 51
p0 974.4 ± 0.9847
1100
1050
1000
950
900
850
800
750
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

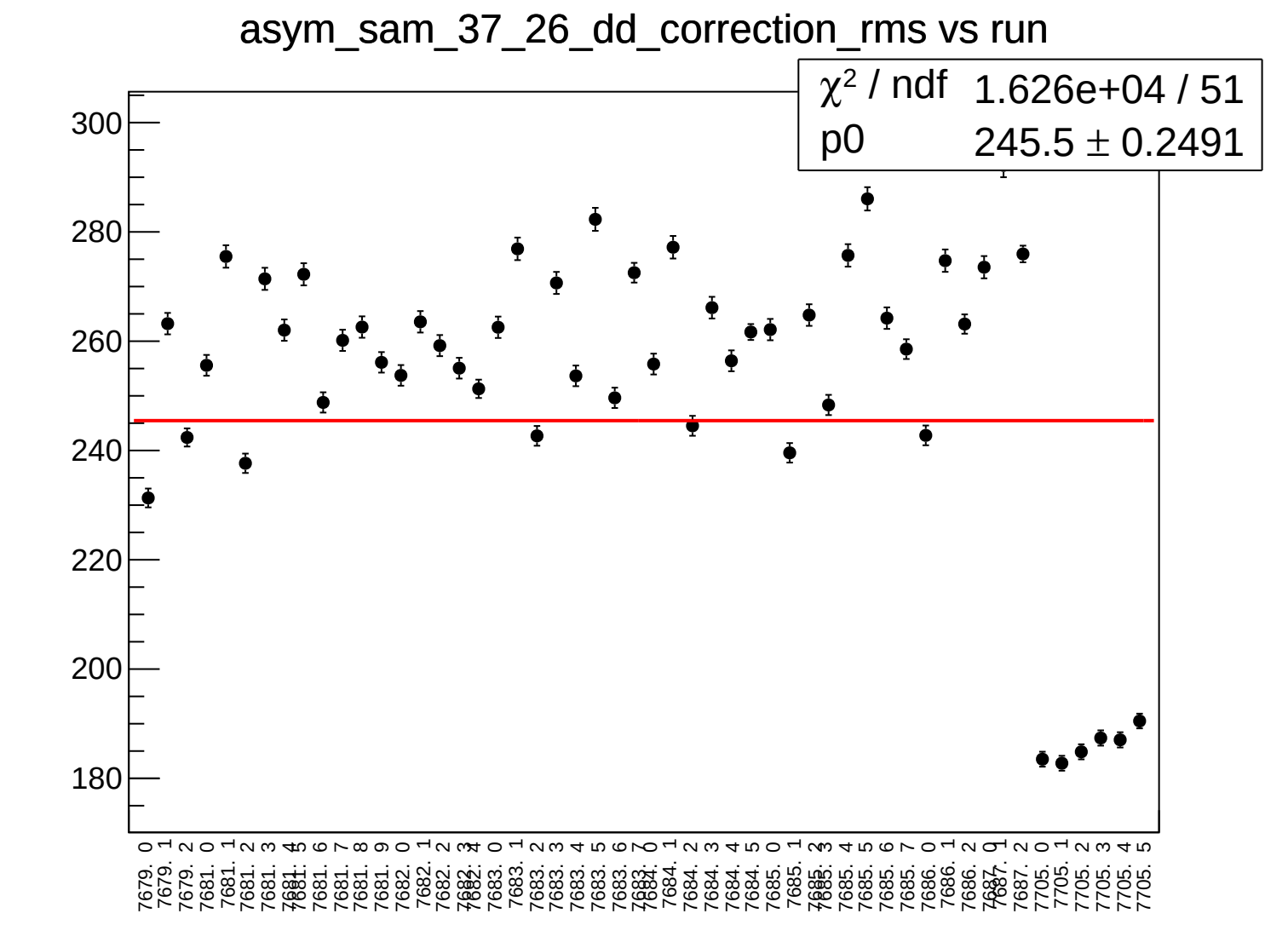

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 32.84 / 51
p0 91.39 ± 106.7
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 4564
Std Dev 4561
1.5
1
0.5
0
−0.5
−1
−1.5

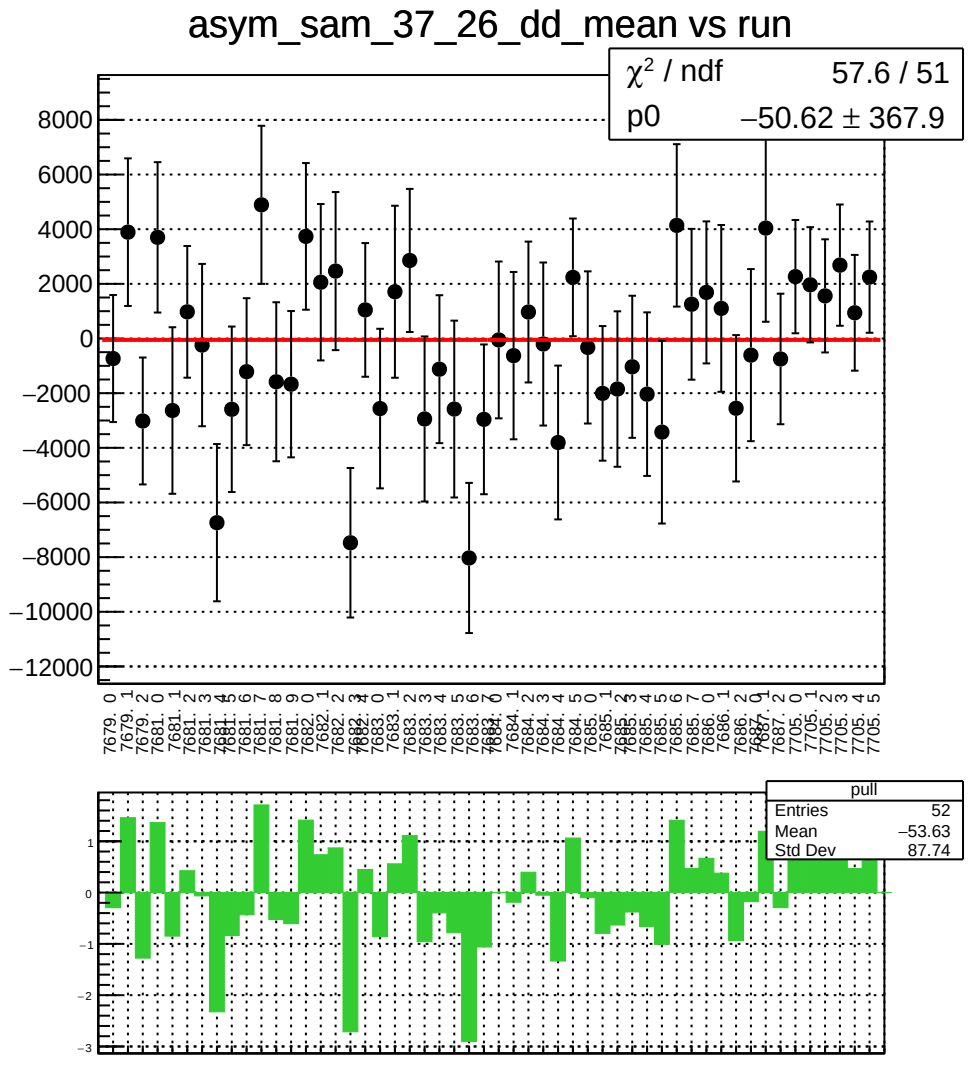

pull1D
Entries 52
Mean −0.0001464
Std Dev 0.7948
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

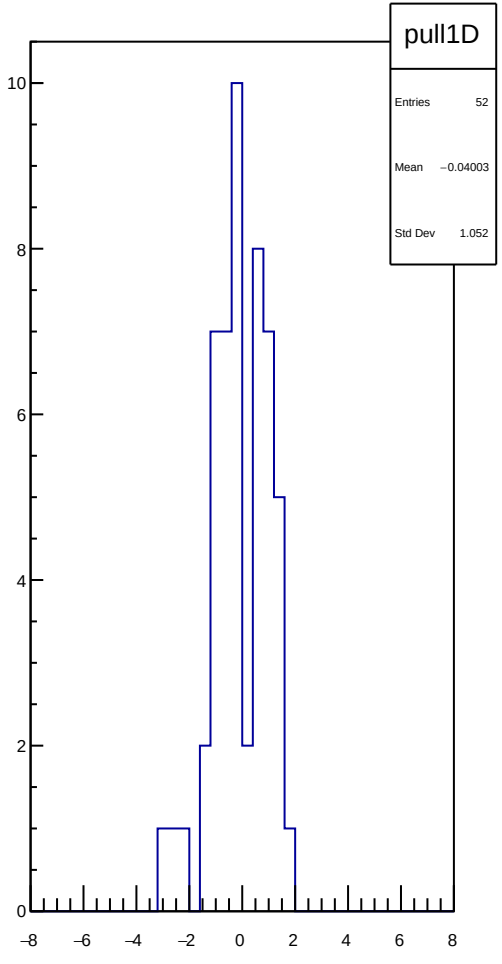

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.105e+04 / 51
p0 74.55 ± 0.07546
95
90
85
80
75
70
65
60
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

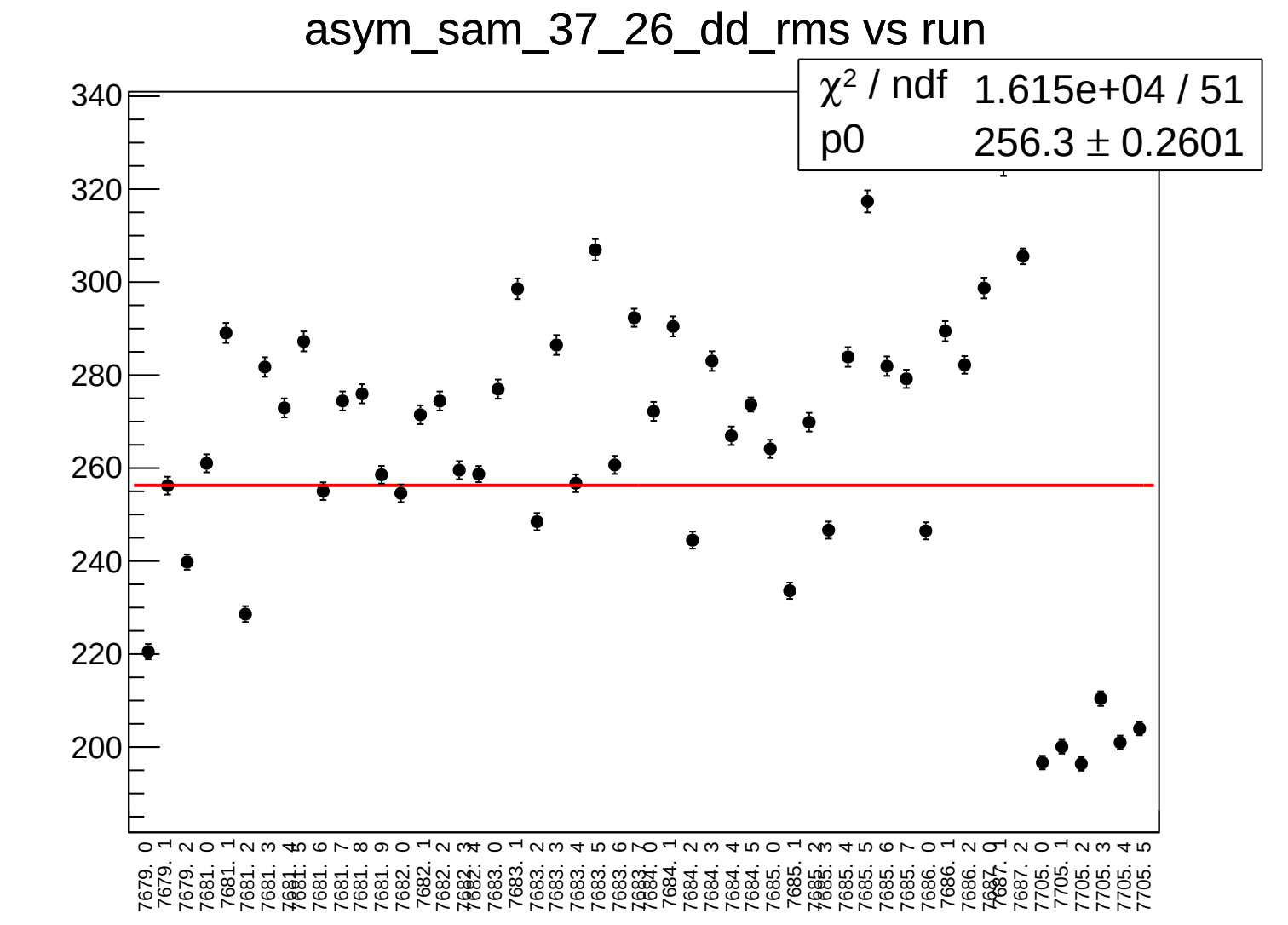

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 61.35 / 51
p0 122.9 ± 352.4
pull
Entries 52
Mean −52.44
Std Dev 84.63

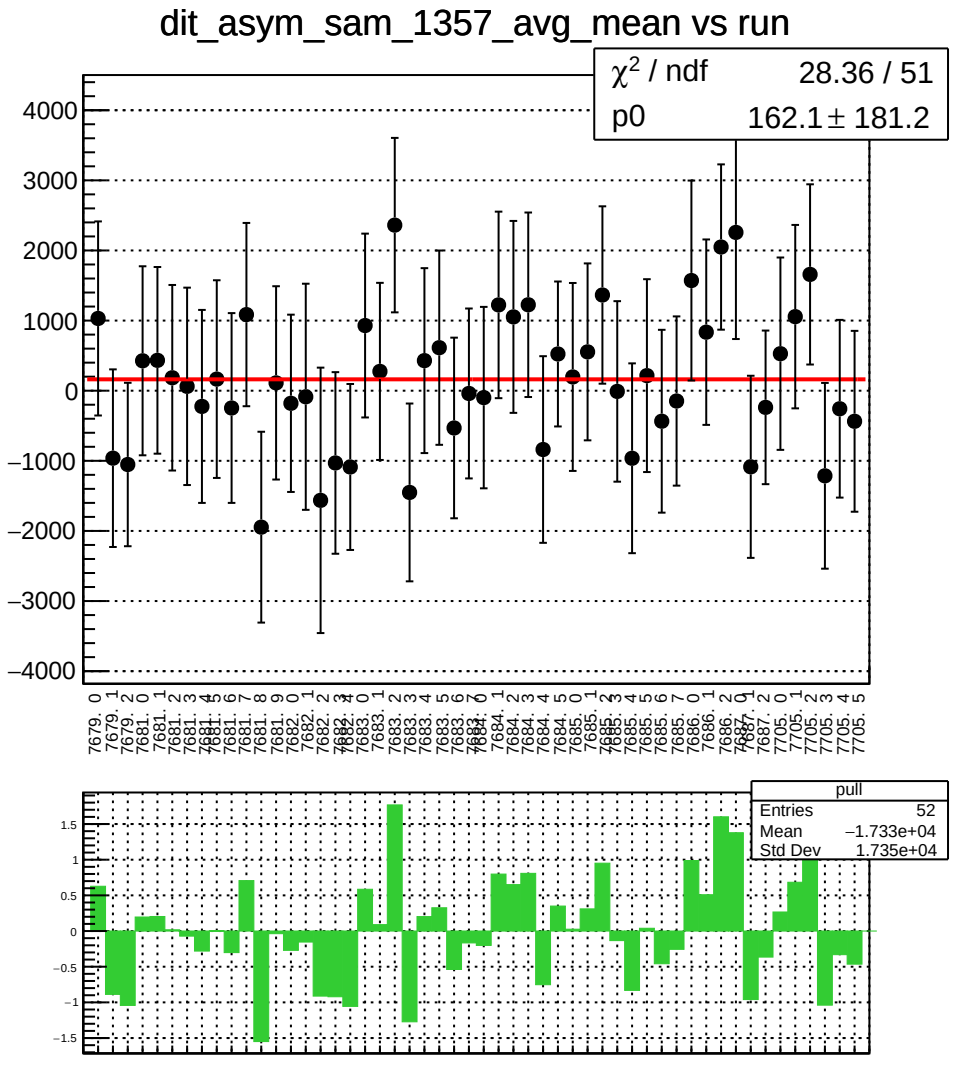

pull1D
Entries 52
Mean 0.04692
Std Dev 1.085

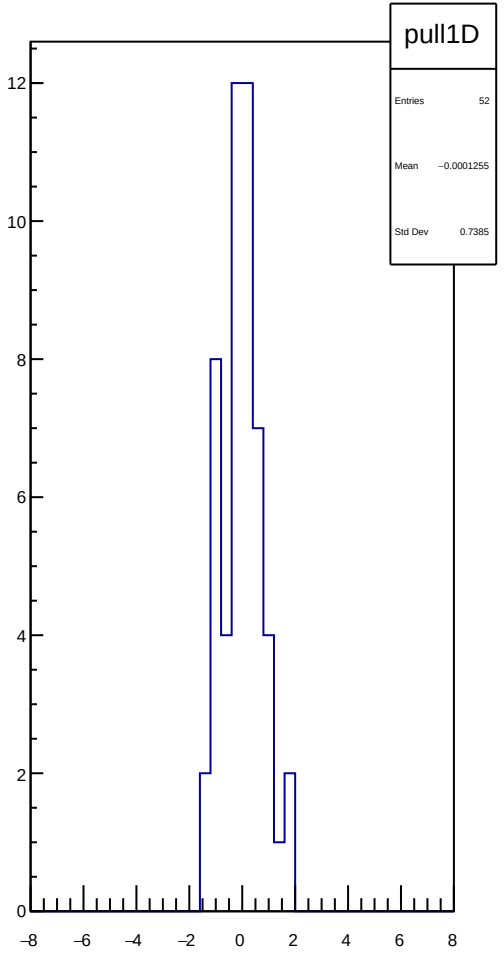

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.626e+04 / 51
p0 245.5 ± 0.2491
300
280
260
240
220
200
180

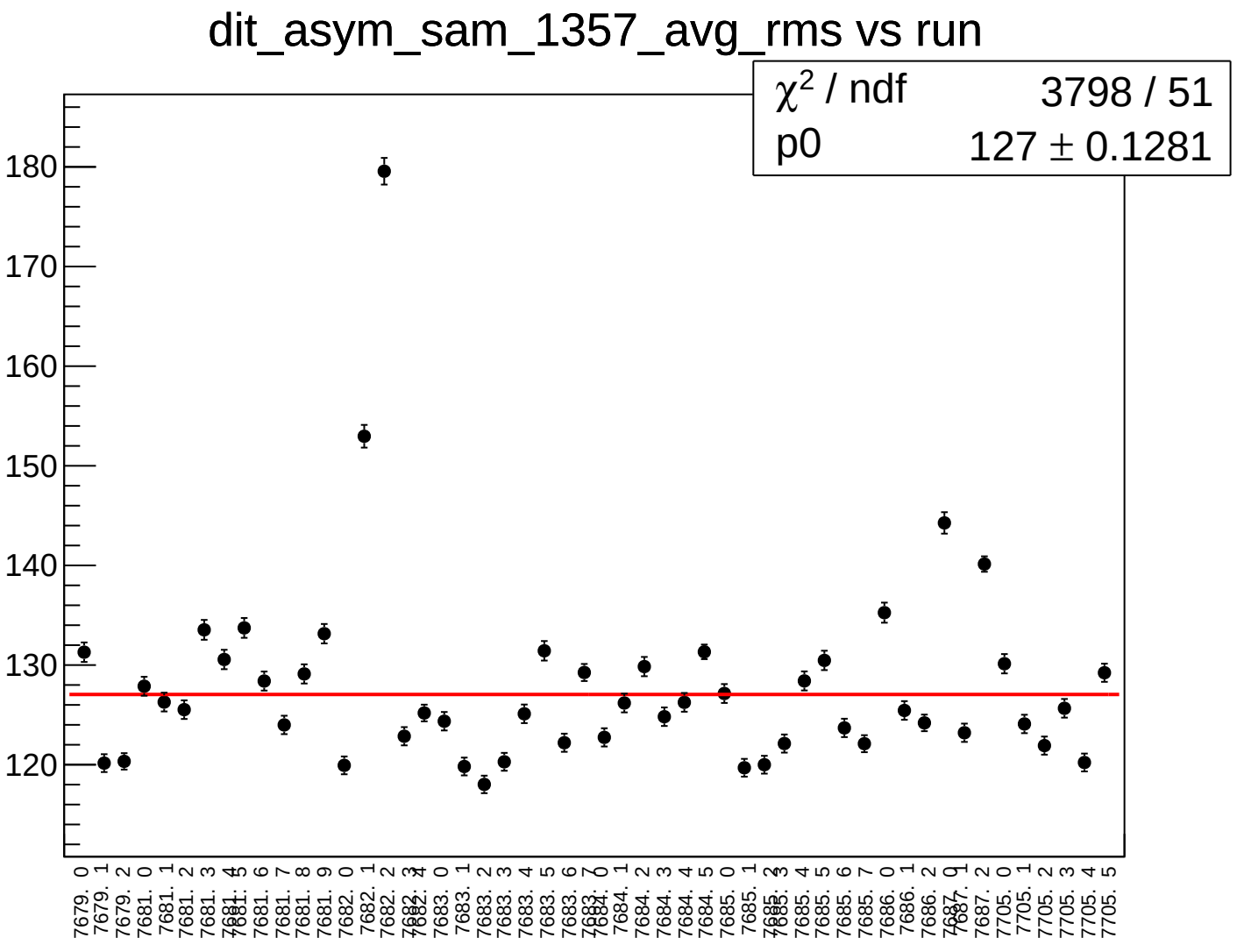

asym_sam_37_26_dd_mean vs run
χ² / ndf 57.6 / 51
p0 −50.62 ± 367.9
pull
Entries 52
Mean −53.63
Std Dev 87.74

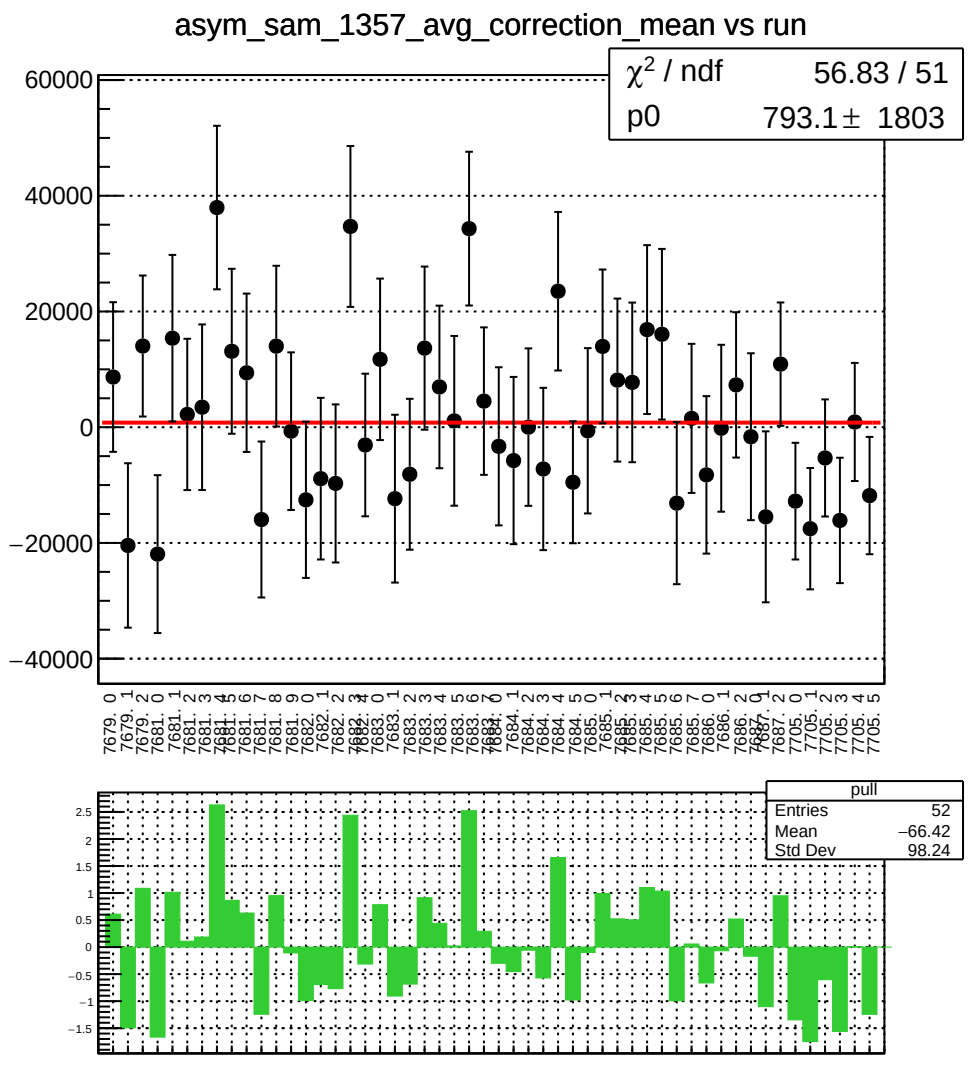

pull1D
Entries 52
Mean −0.04003
Std Dev 1.052

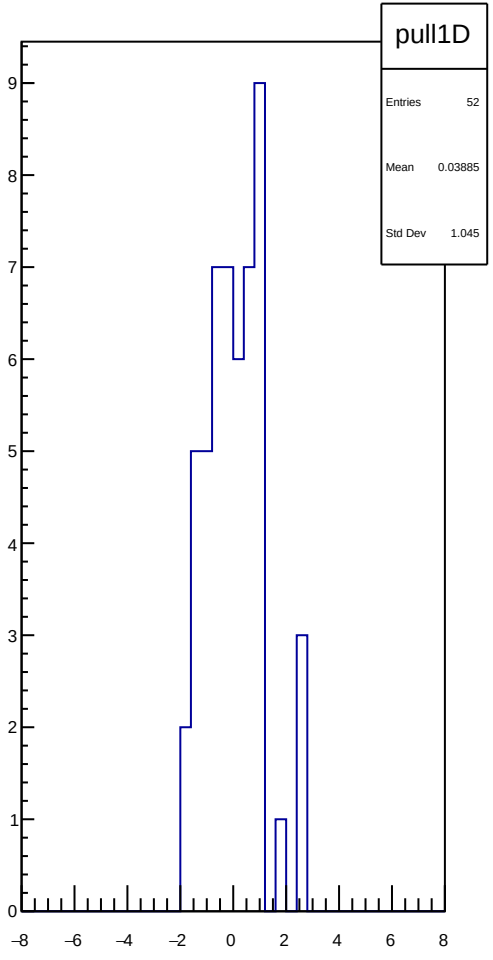

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.615e+04 / 51
p0 256.3 ± 0.2601
340
320
300
280
260
240
220
200
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

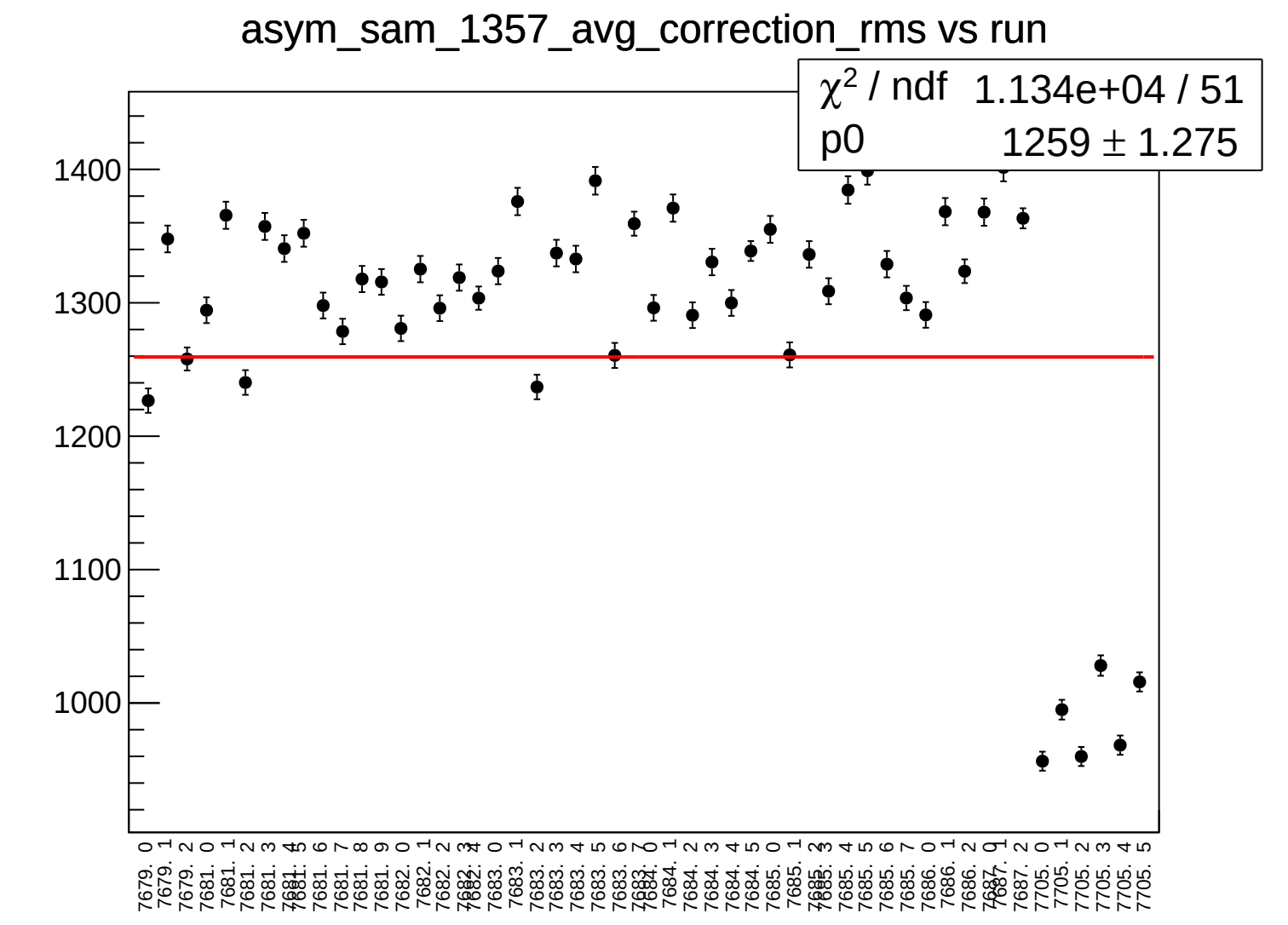

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 28.36 / 51
p0 162.1 ± 181.2
pull
Entries 52
Mean −1.733e+04
Std Dev 1.735e+04

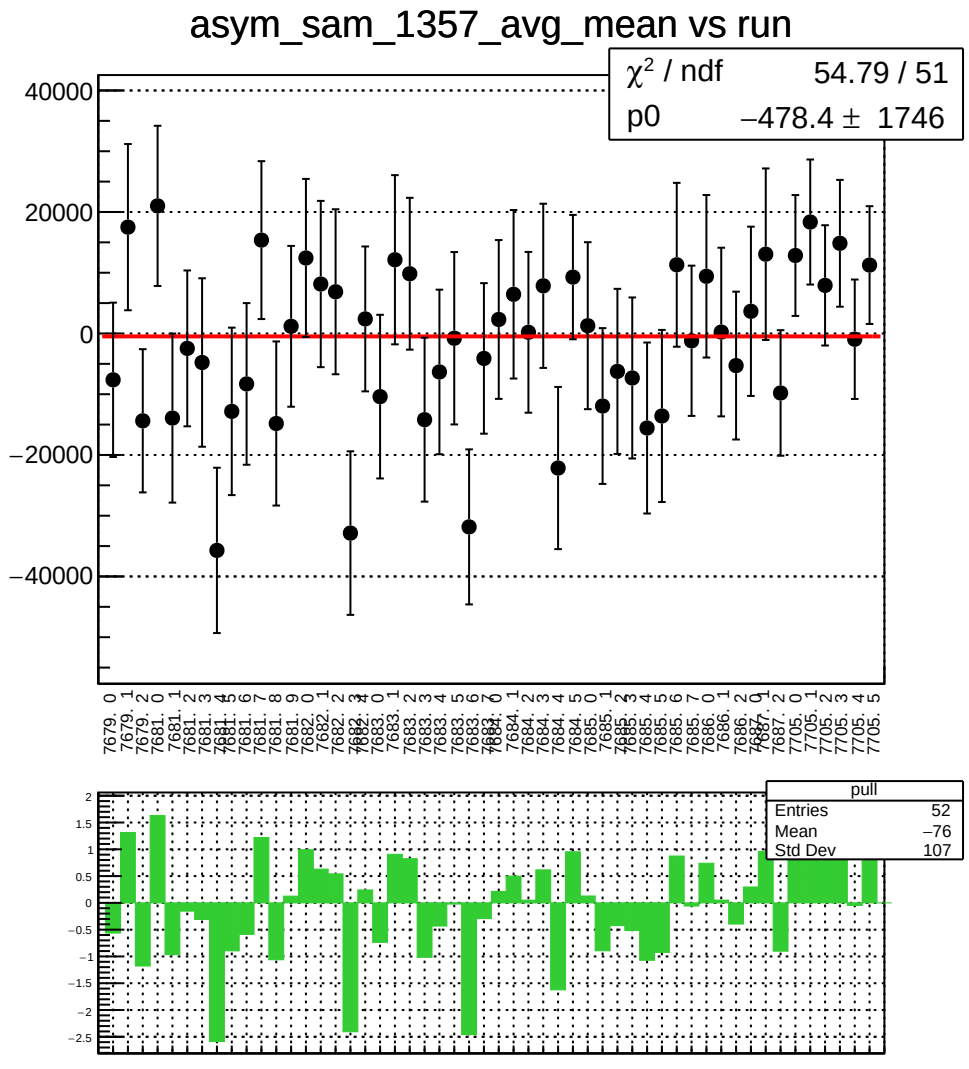

pull1D
Entries 52
Mean −0.0001255
Std Dev 0.7385

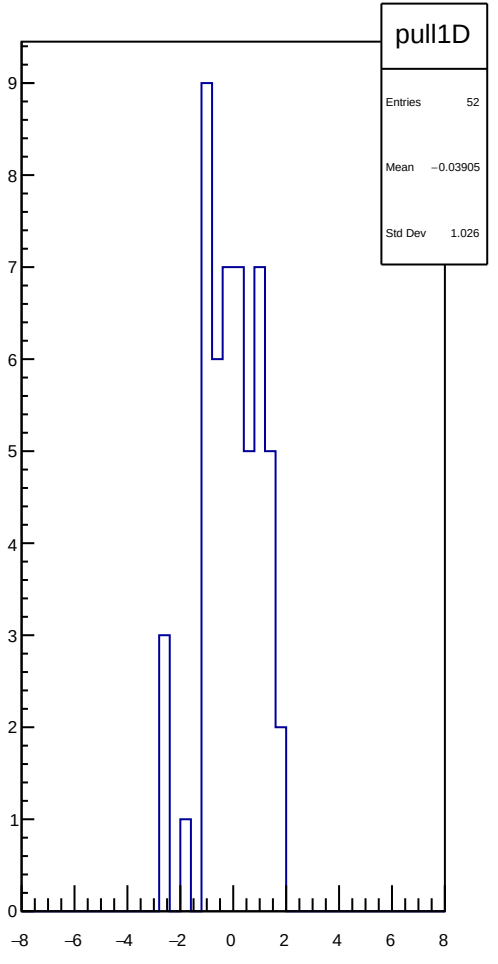

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3798 / 51
p0 127 ± 0.1281
180
170
160
150
140
130
120
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

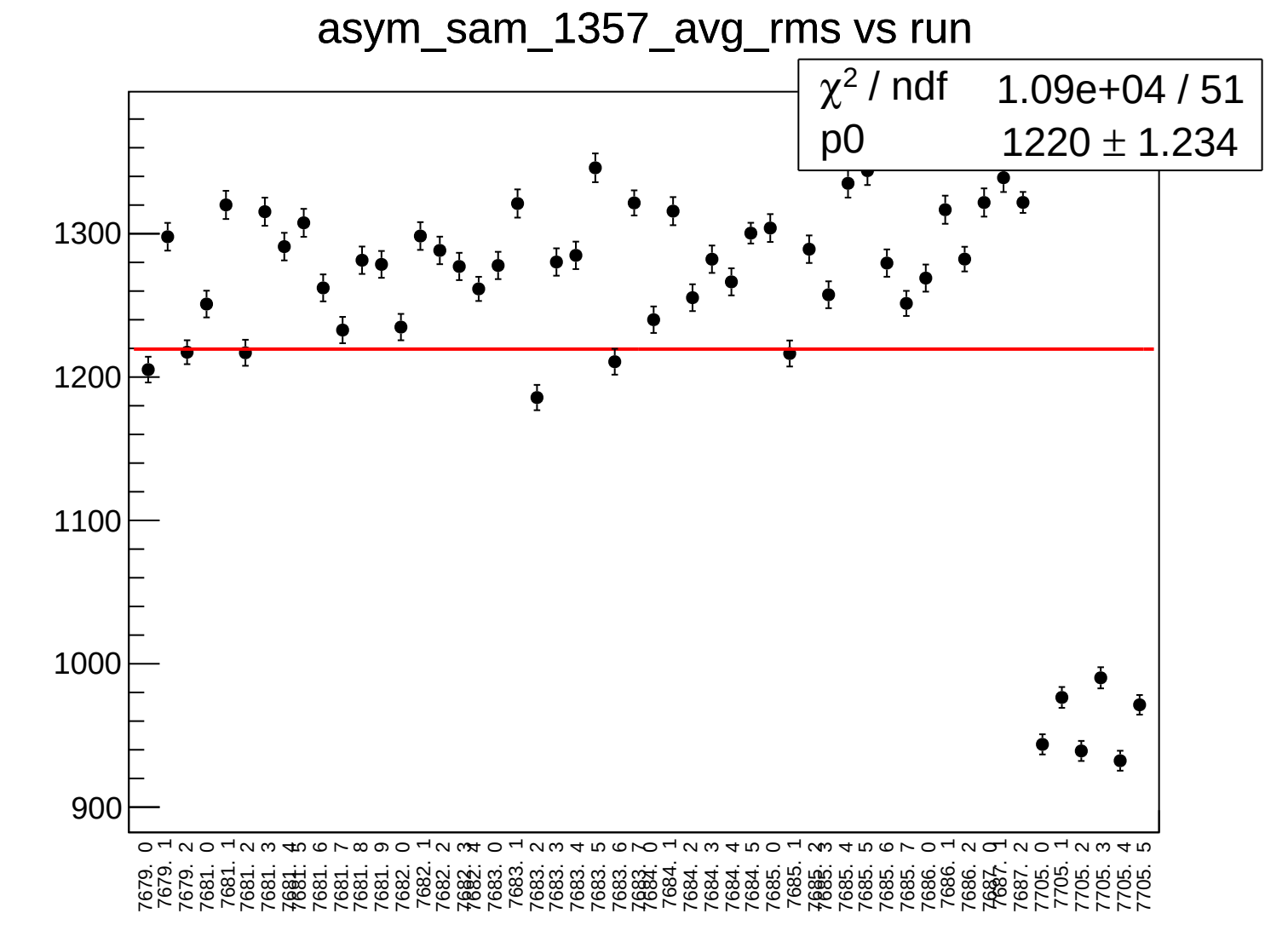

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 56.83 / 51
p0 793.1 ± 1803
pull
Entries 52
Mean −66.42
Std Dev 98.24

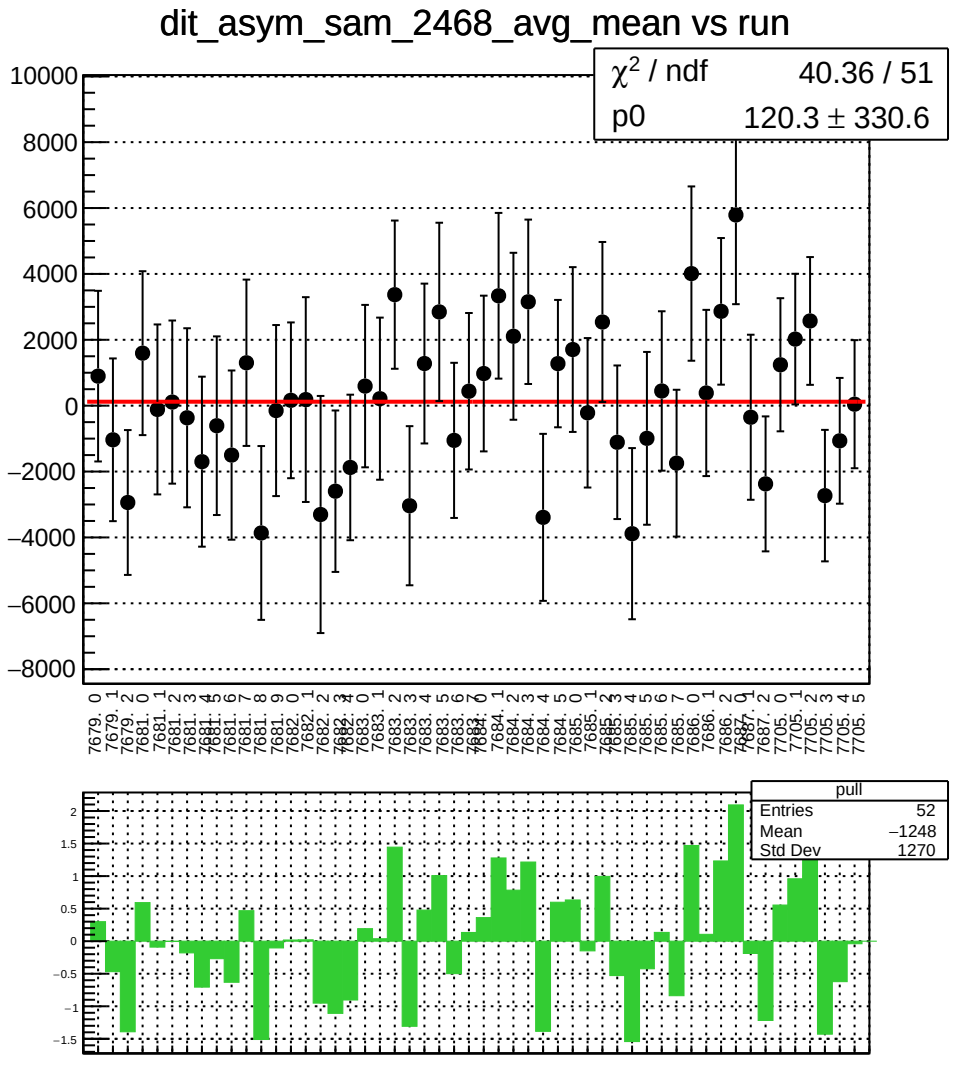

pull1D
Entries 52
Mean 0.03885
Std Dev 1.045

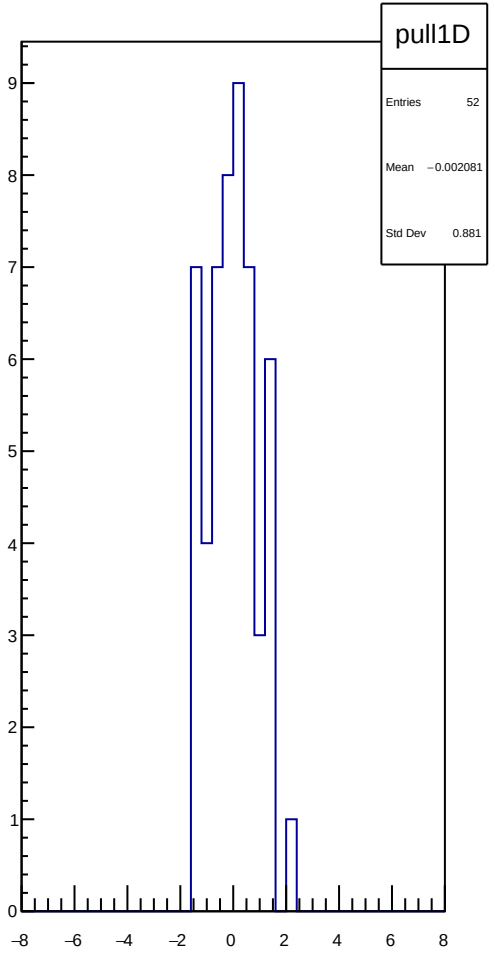

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1.134e+04 / 51
p0 1259 ± 1.275
1400
1300
1200
1100
1000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

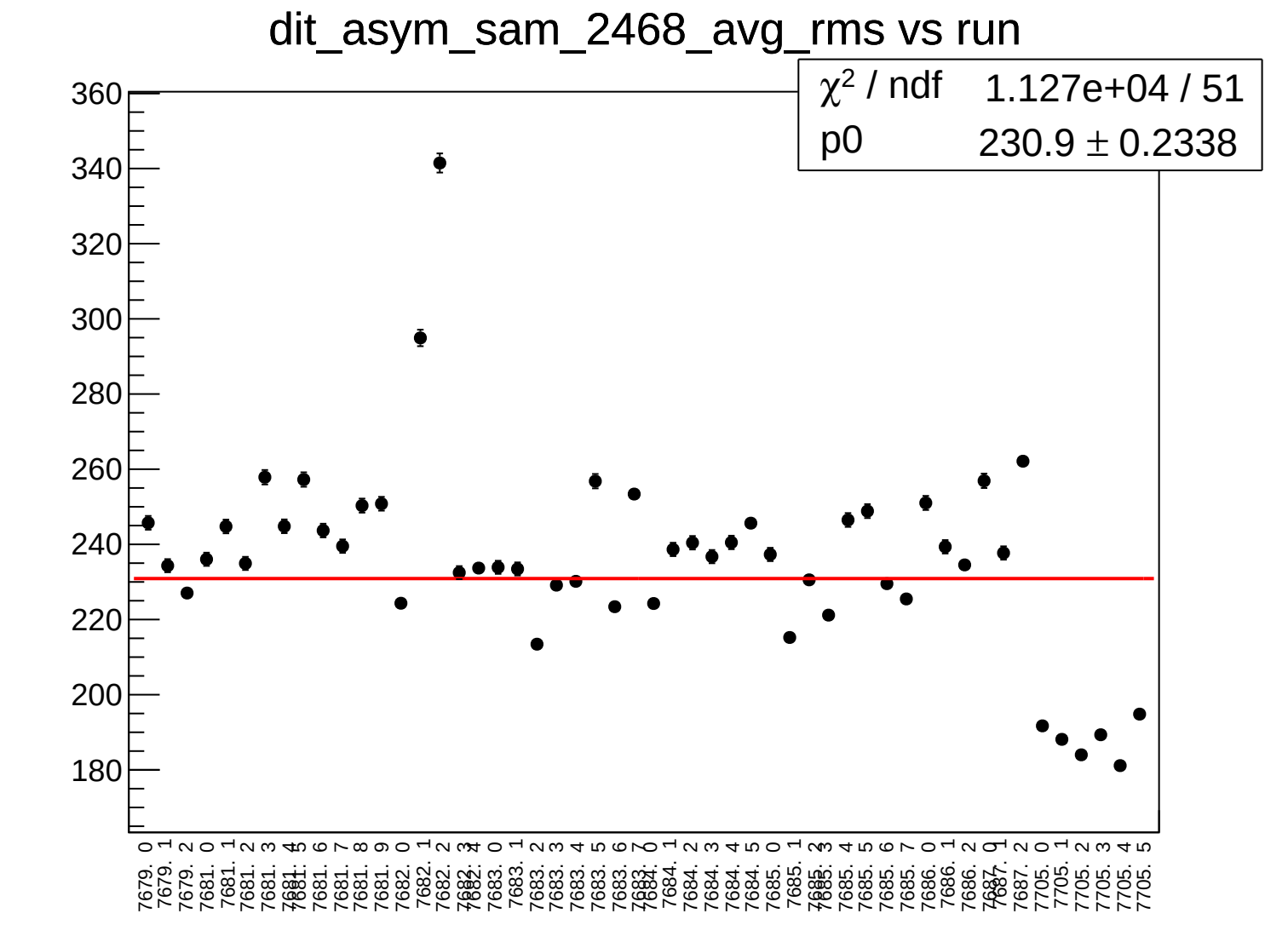

asym_sam_1357_avg_mean vs run
χ² / ndf 54.79 / 51
p0 −478.4 ± 1746
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −76
Std Dev 107
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

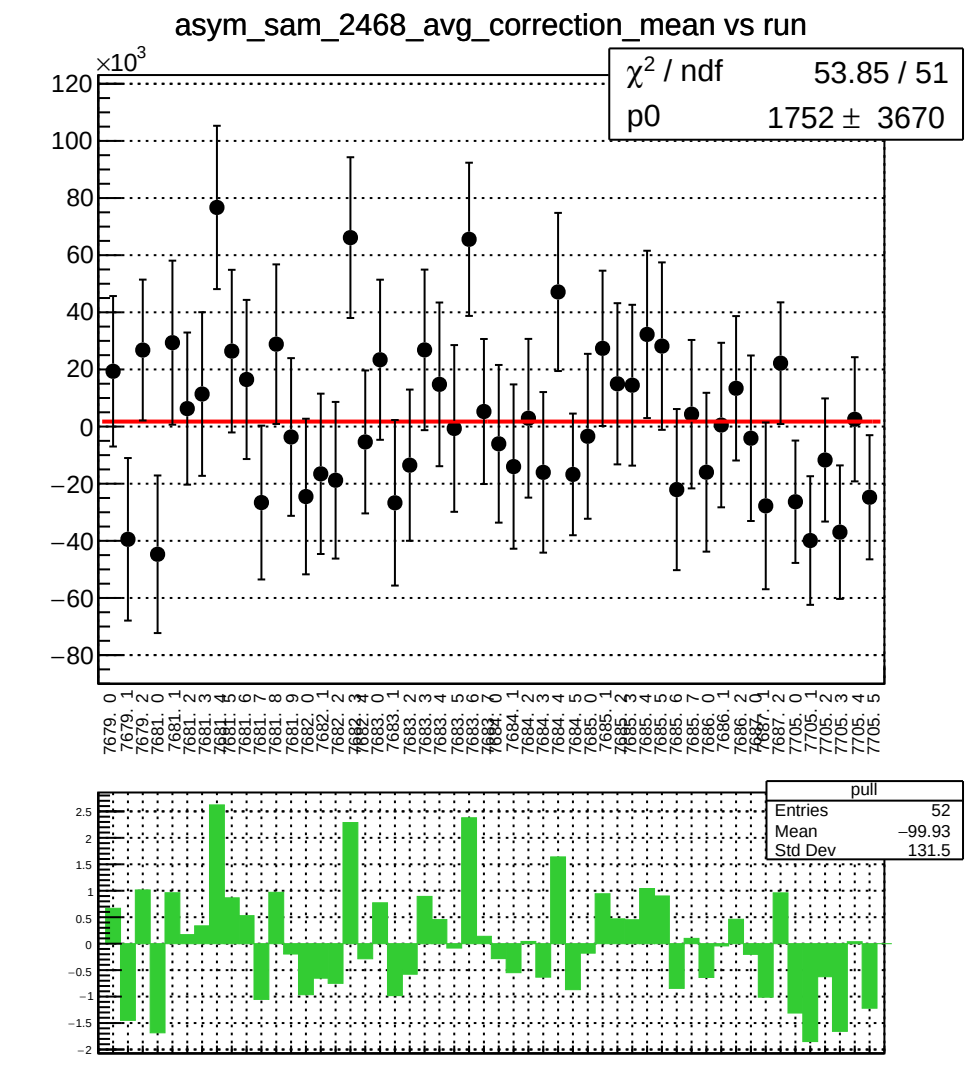

pull1D
Entries 52
Mean −0.03905
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

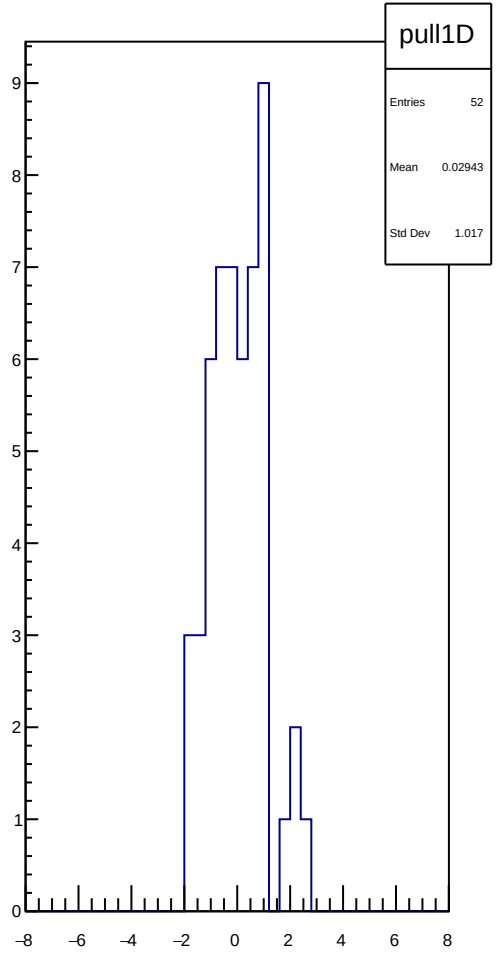

asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.09e+04 / 51
p0 1220 ± 1.234
1300
1200
1100
1000
900
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

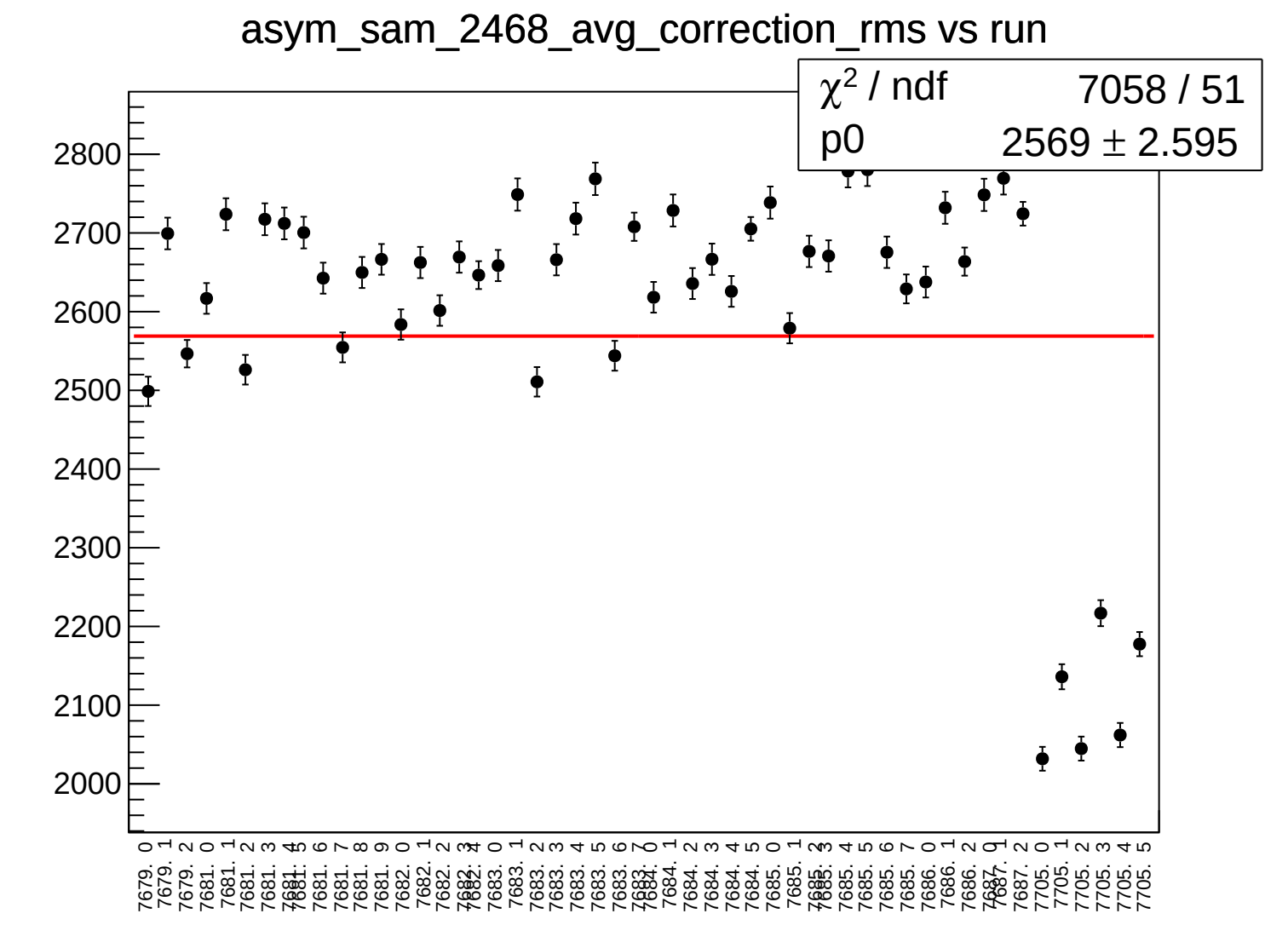

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 40.36 / 51
p0 120.3 ± 330.6
pull
Entries 52
Mean −1248
Std Dev 1270

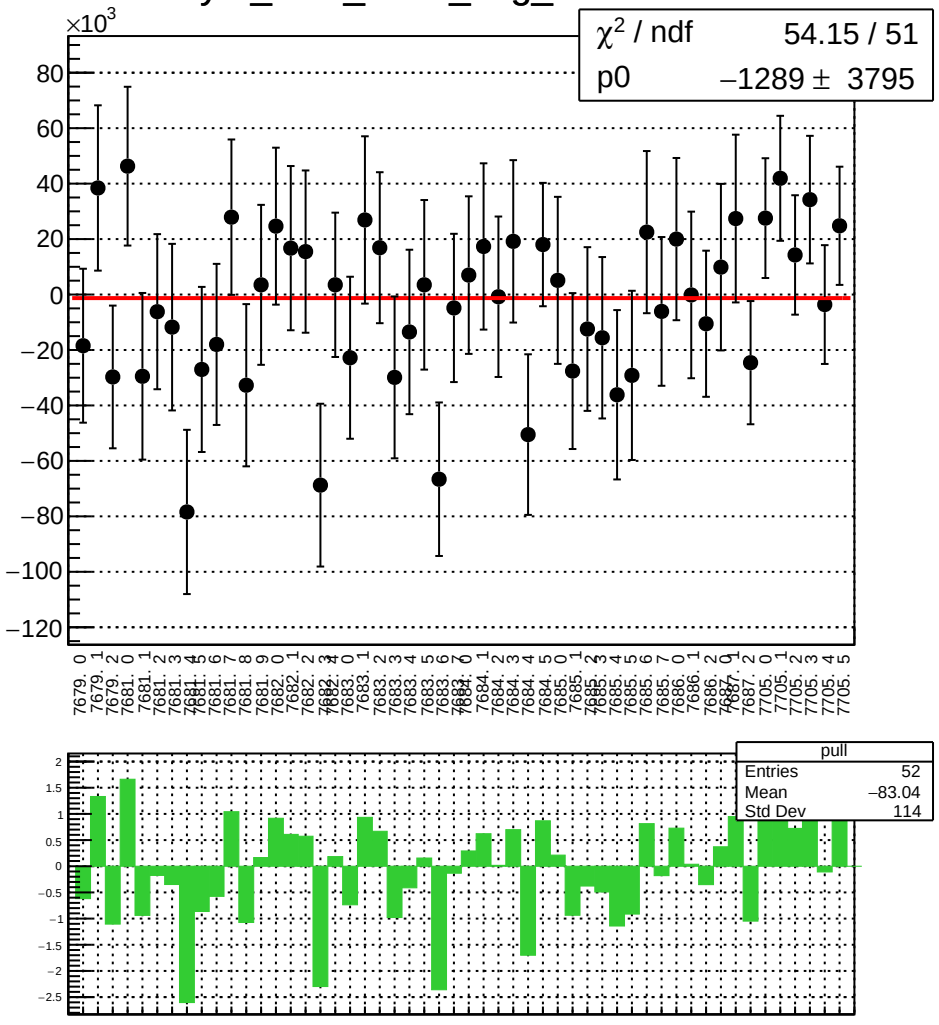

pull1D
Entries 52
Mean −0.002081
Std Dev 0.881

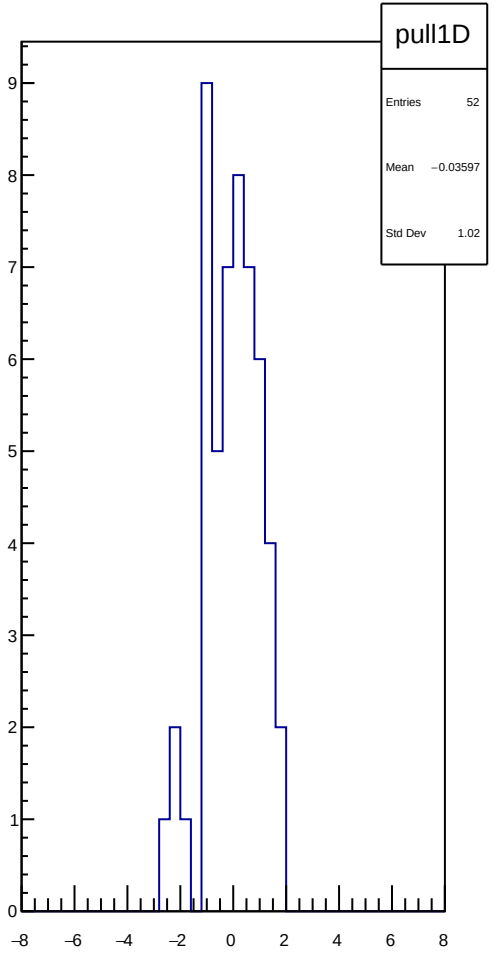

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.127e+04 / 51
p0 230.9 ± 0.2338
360
340
320
300
280
260
240
220
200
180
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 4
7681. 5
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

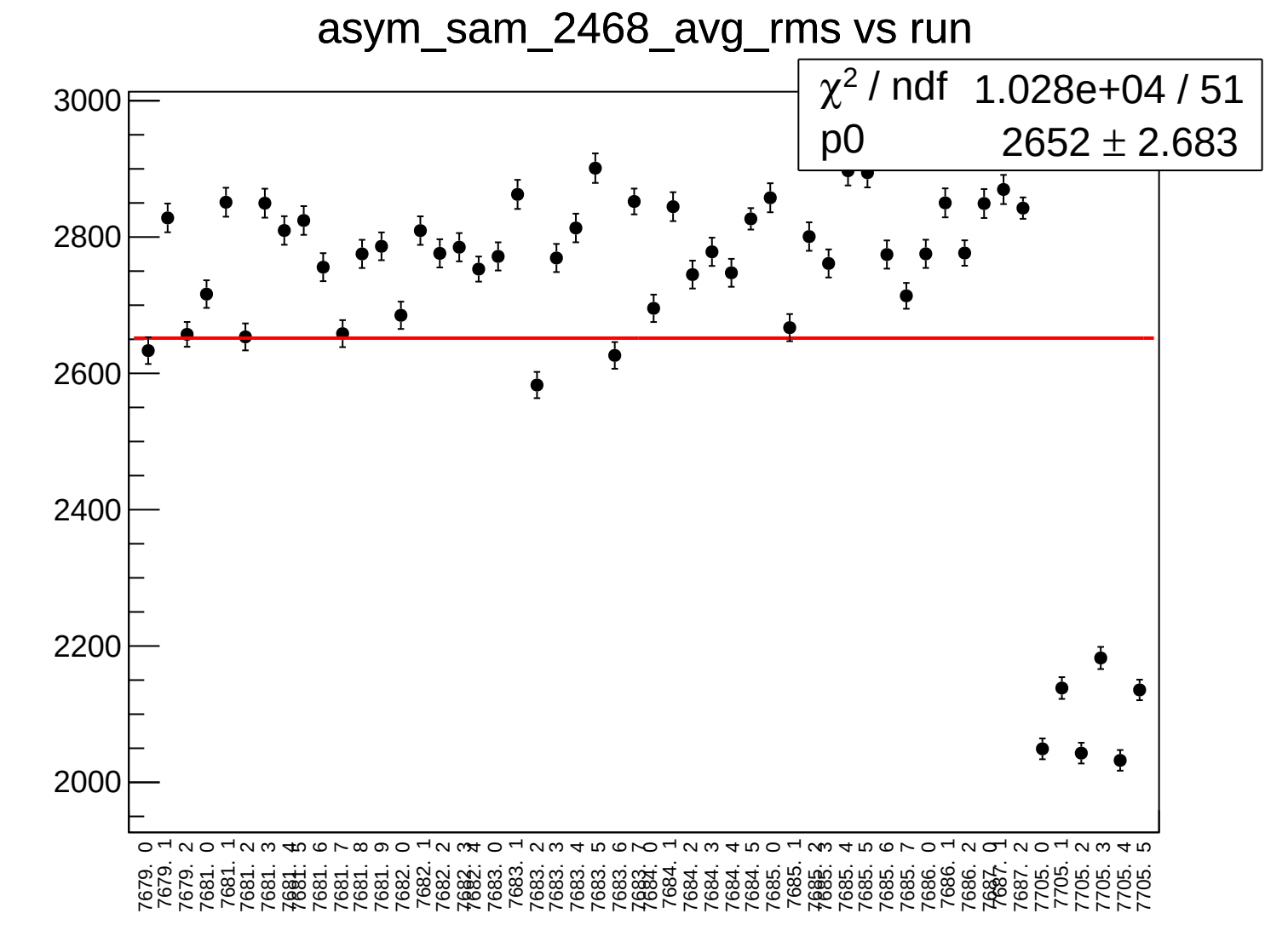

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 53.85 / 51
p0 1752 ± 3670
pull
Entries 52
Mean −99.93
Std Dev 131.5

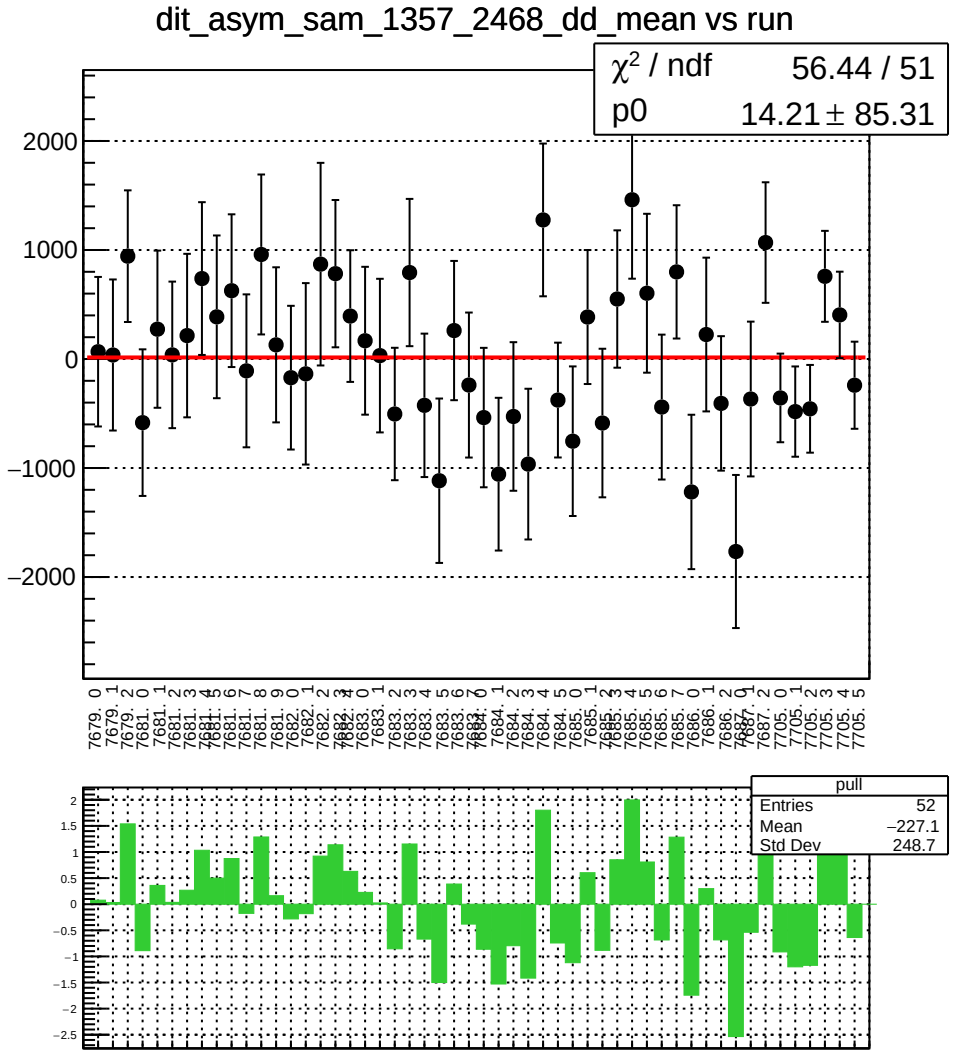

pull1D
Entries 52
Mean 0.02943
Std Dev 1.017

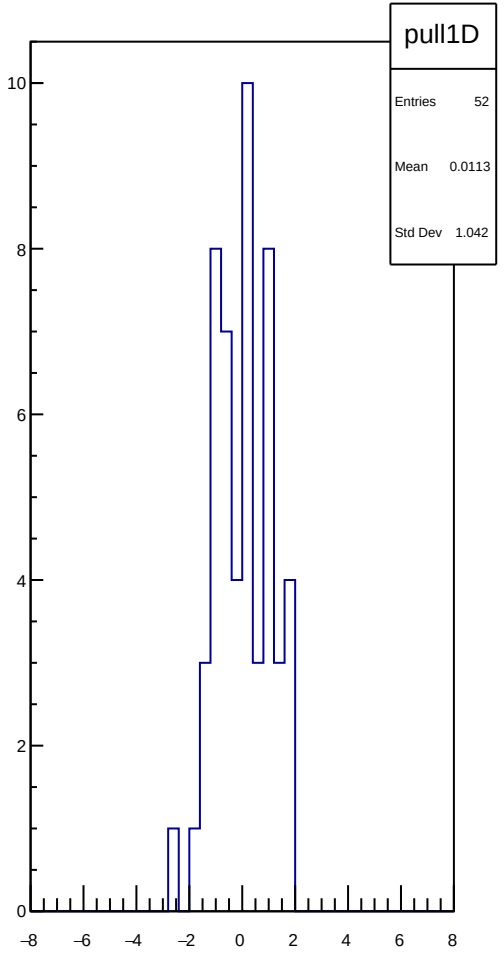

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 7058 / 51
p0 2569 ± 2.595
2800
2700
2600
2500
2400
2300
2200
2100
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

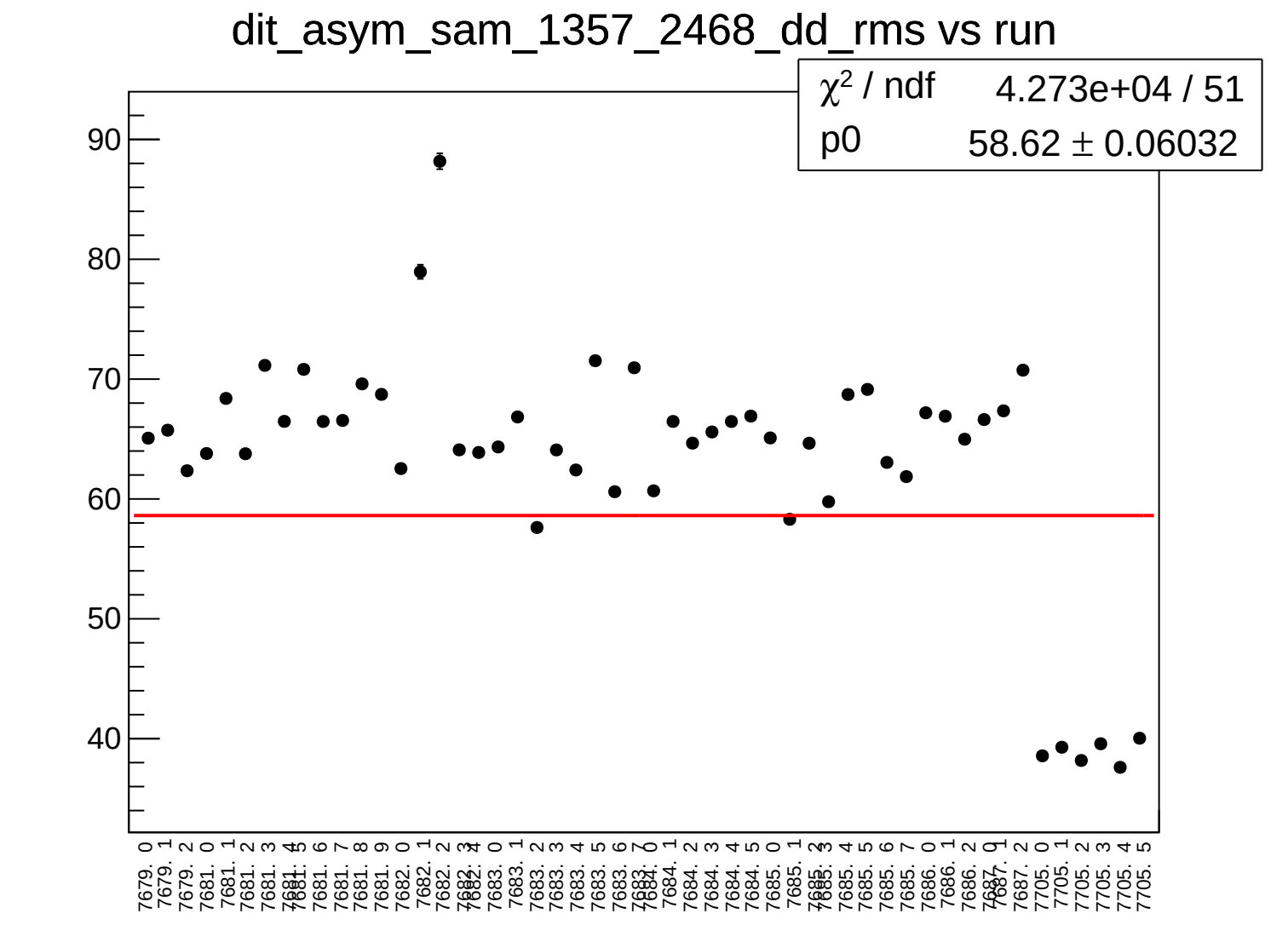

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 54.15 / 51
p0 −1289 ± 3795
pull
Entries 52
Mean −83.04
Std Dev 114

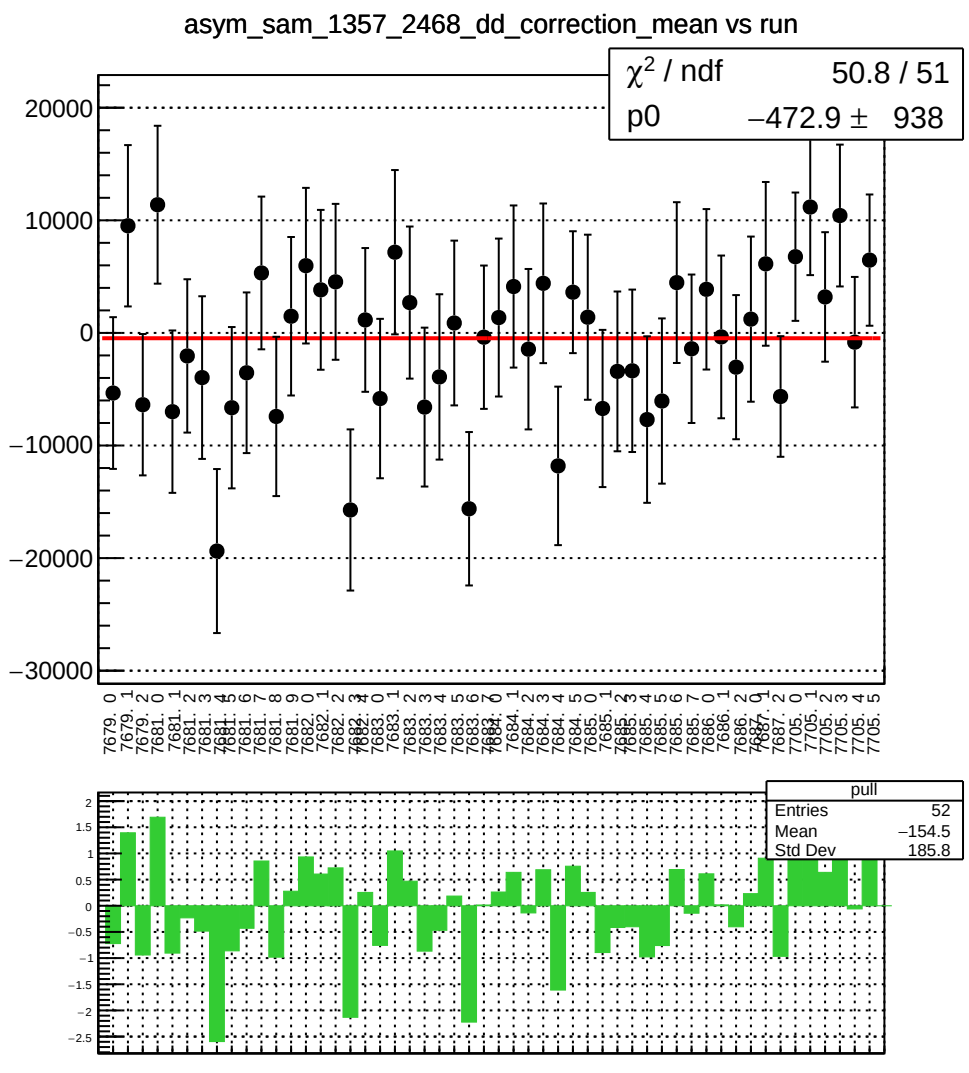

pull1D
Entries 52
Mean −0.03597
Std Dev 1.02

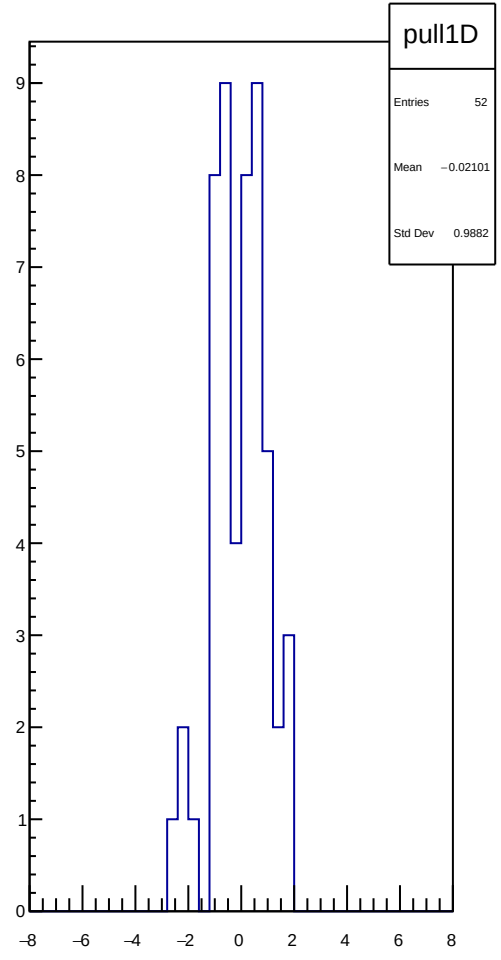

asym_sam_2468_avg_rms vs run
χ² / ndf 1.028e+04 / 51
p0 2652 ± 2.683
3000
2800
2600
2400
2200
2000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

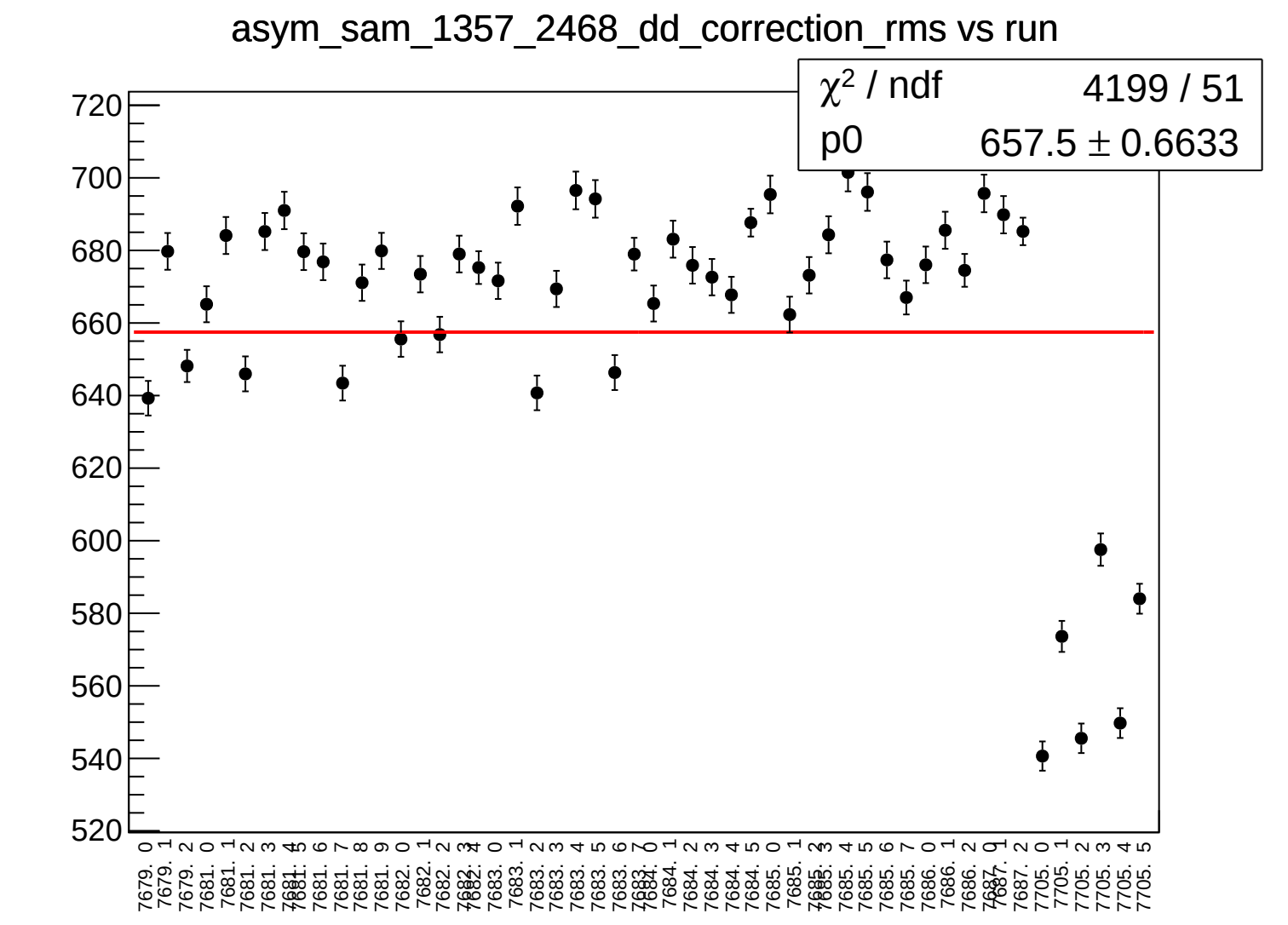

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 56.44 / 51
p0 14.21 ± 85.31
2000
1000
0
−1000
−2000
pull
Entries 52
Mean −227.1
Std Dev 248.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

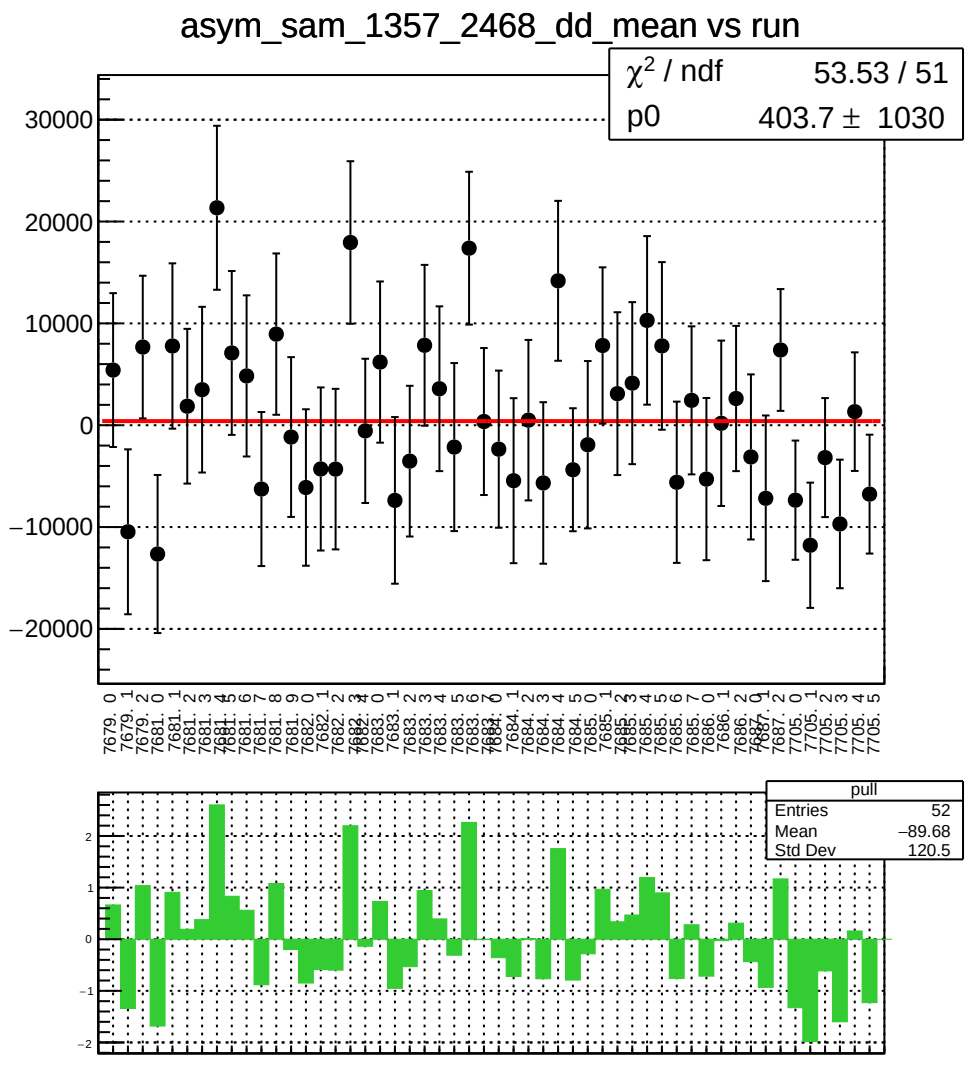

pull1D
Entries 52
Mean 0.0113
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

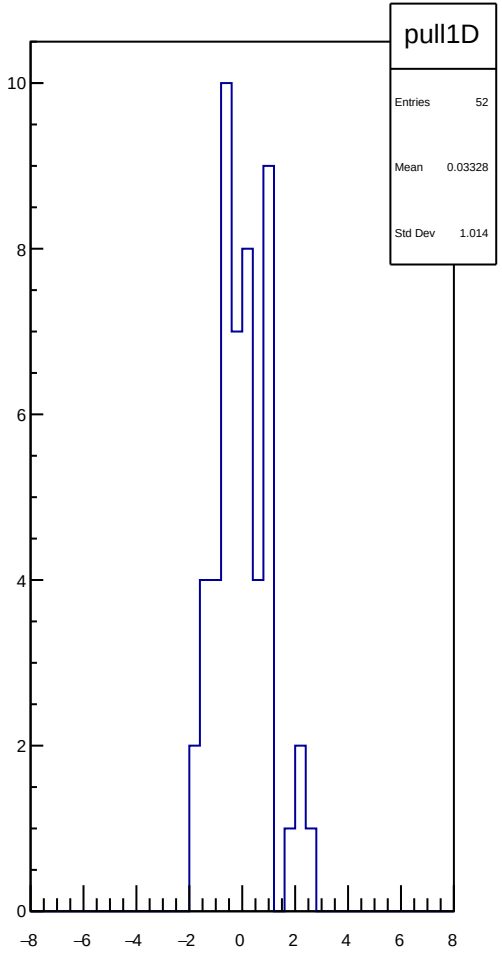

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4.273e+04 / 51
p0 58.62 ± 0.06032
90
80
70
60
50
40
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

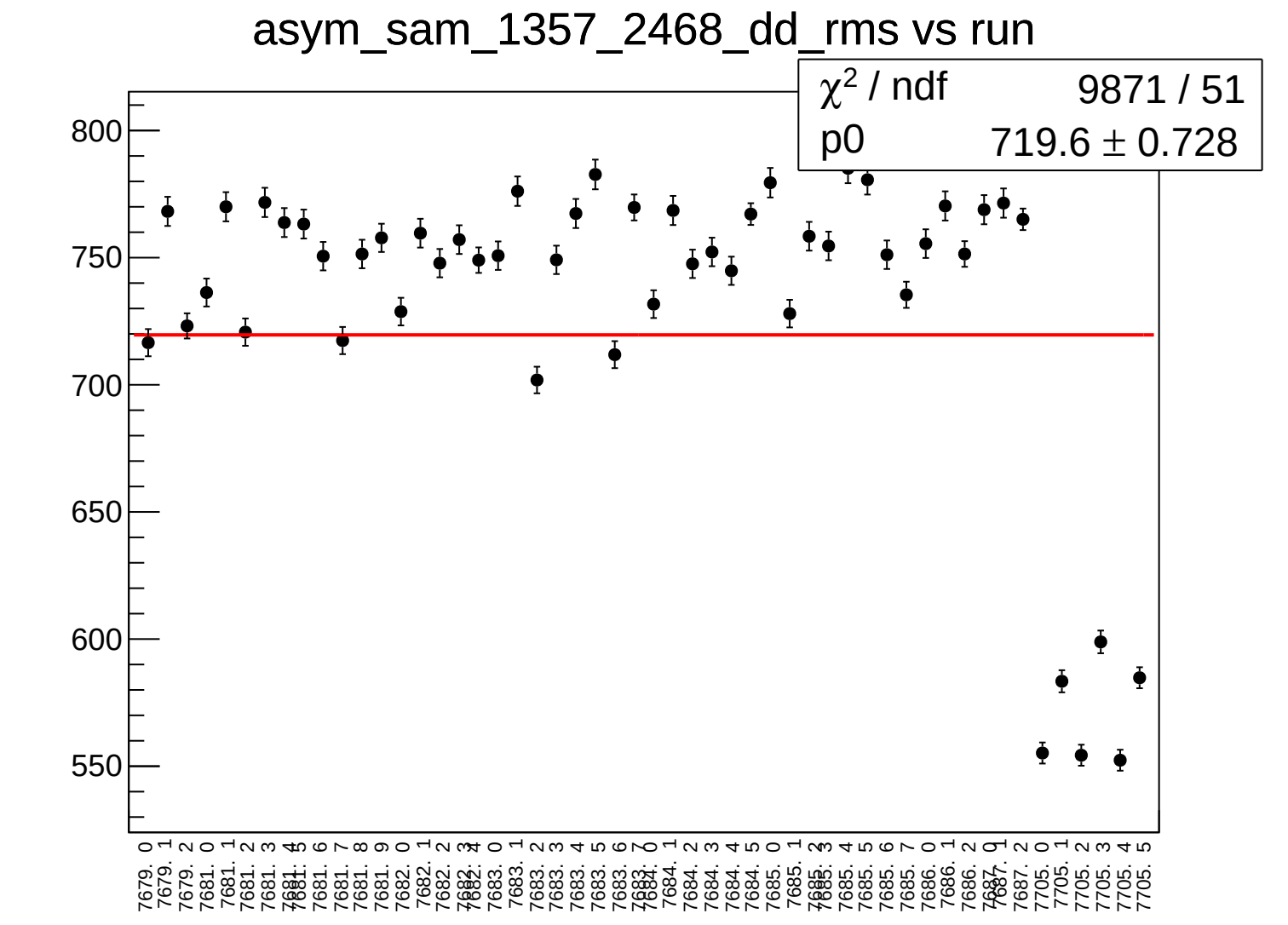

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 50.8 / 51
p0 −472.9 ± 938
pull
Entries 52
Mean −154.5
Std Dev 185.8

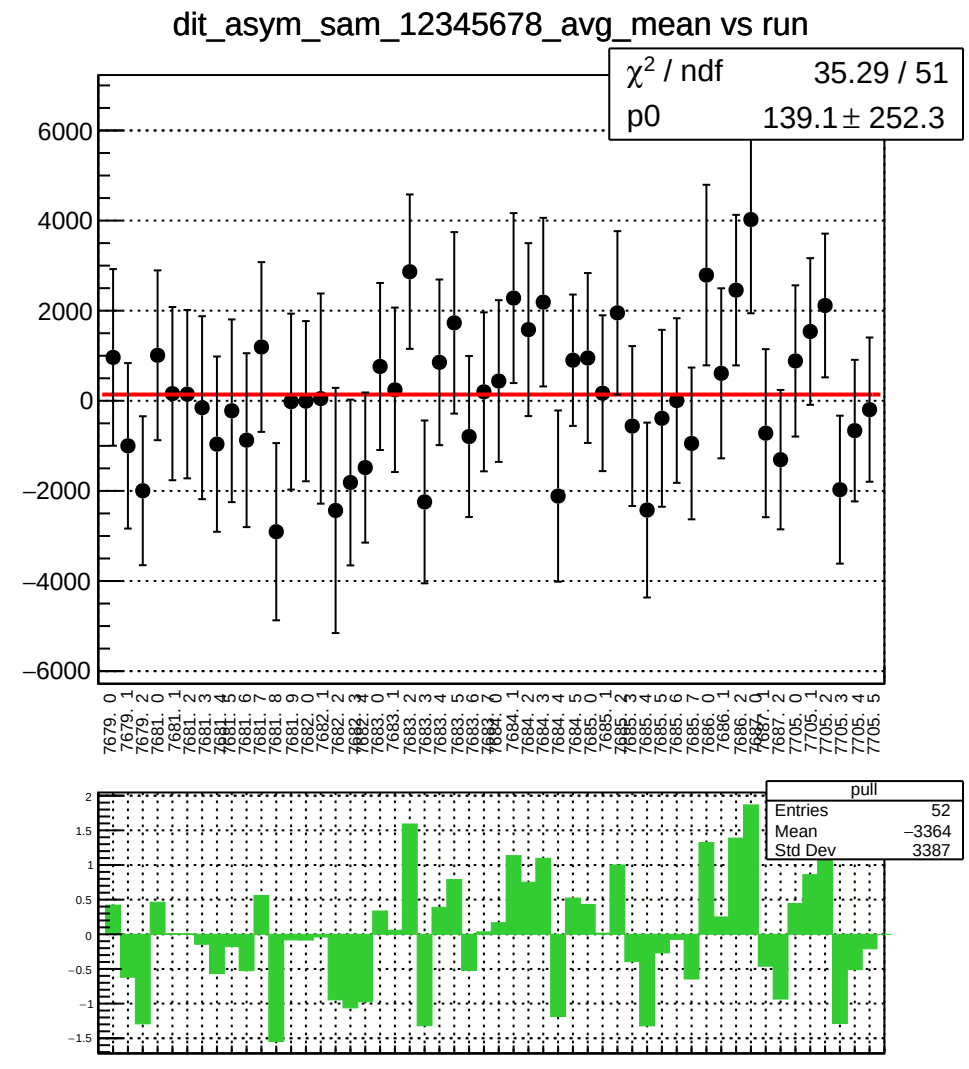

pull1D
Entries 52
Mean −0.02101
Std Dev 0.9882

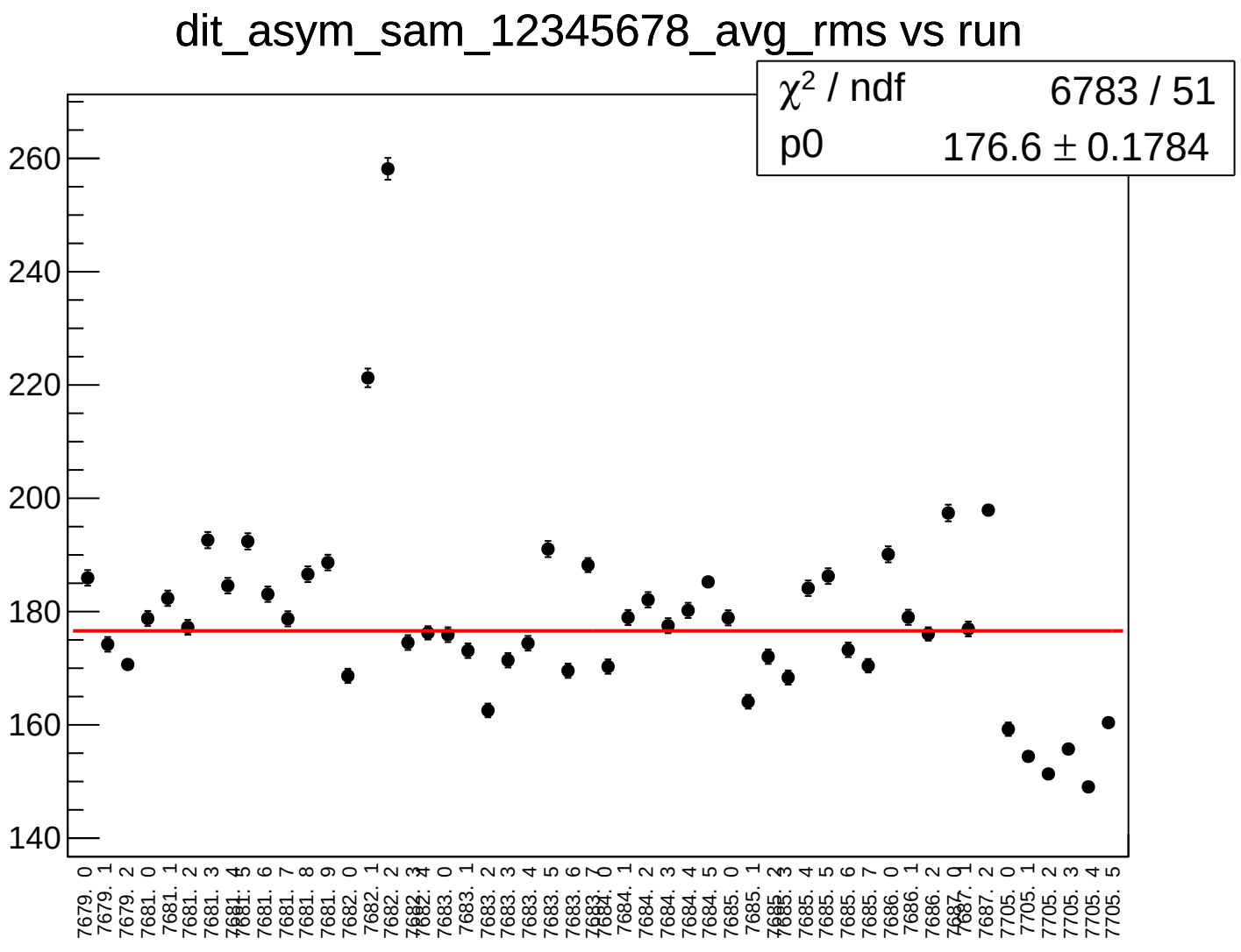

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 4199 / 51
p0 657.5 ± 0.6633
720
700
680
660
640
620
600
580
560
540
520
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

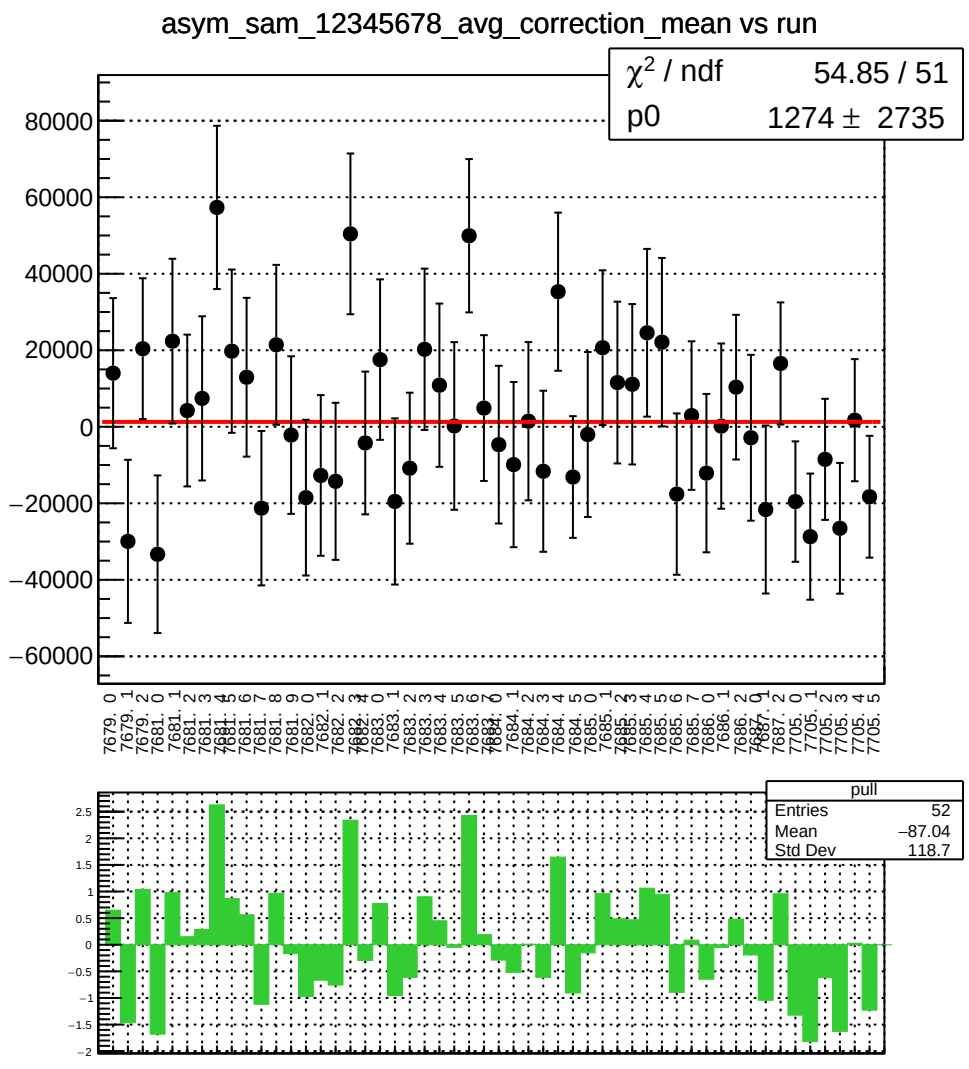

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 53.53 / 51
p0 403.7 ± 1030
pull
Entries 52
Mean −89.68
Std Dev 120.5

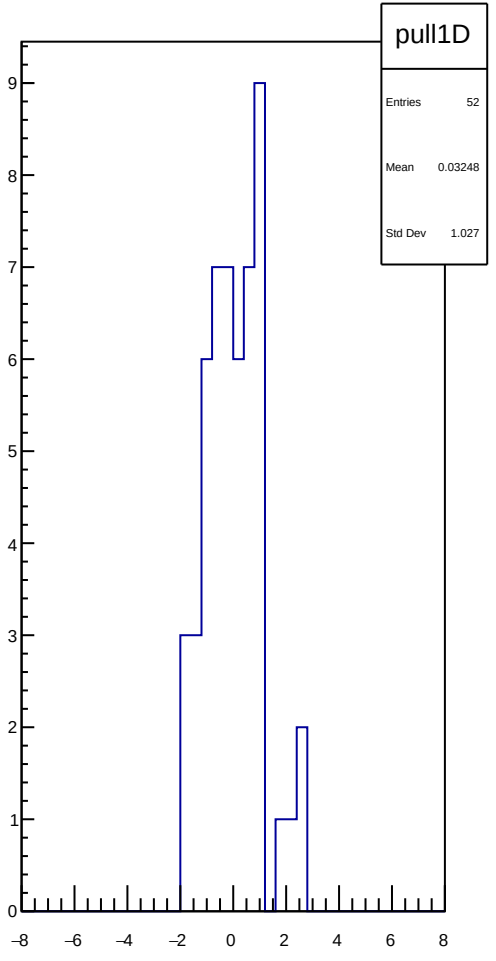

pull1D
Entries 52
Mean 0.03328
Std Dev 1.014

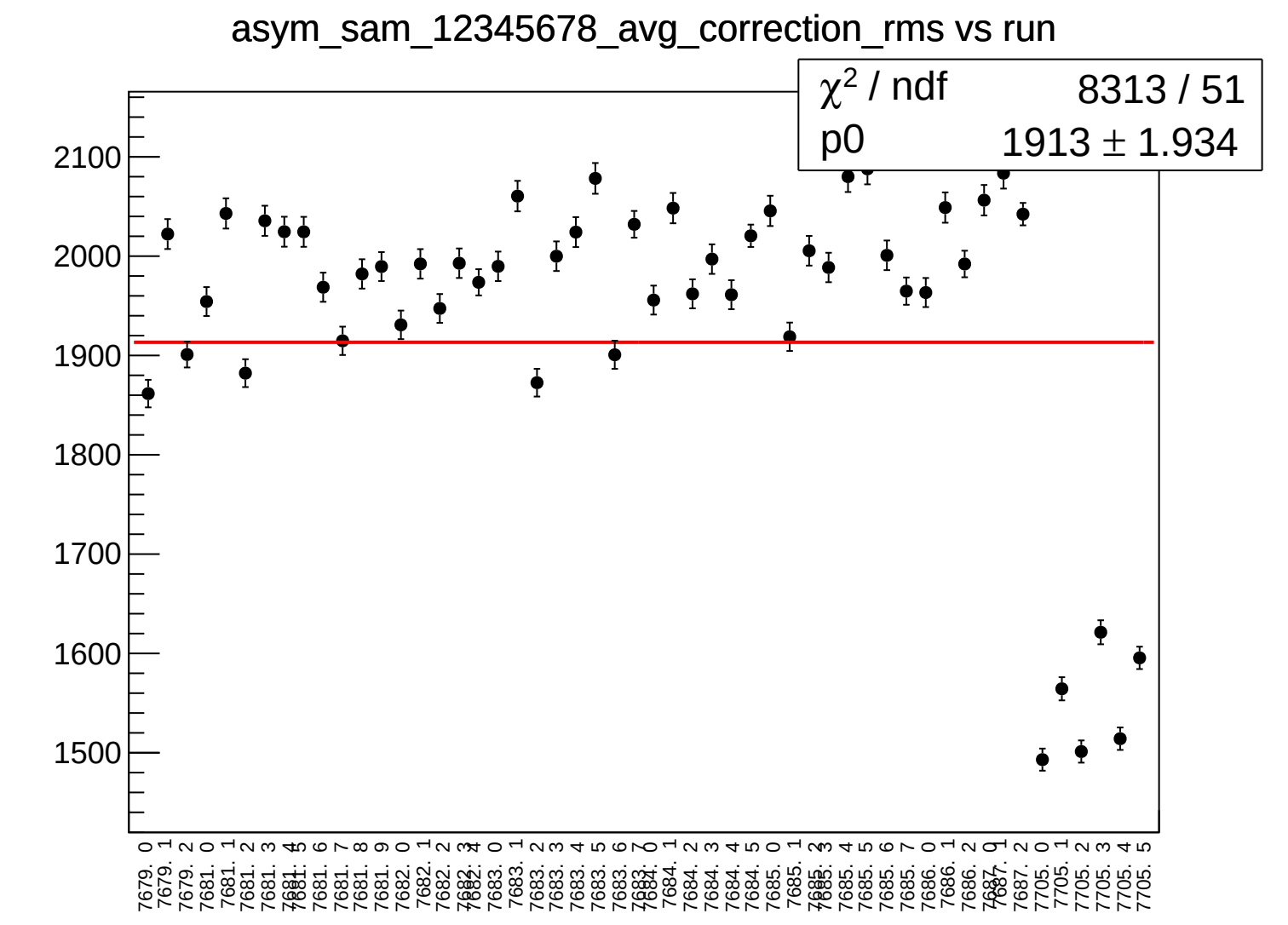

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9871 / 51
p0 719.6 ± 0.728
800
750
700
650
600
550
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

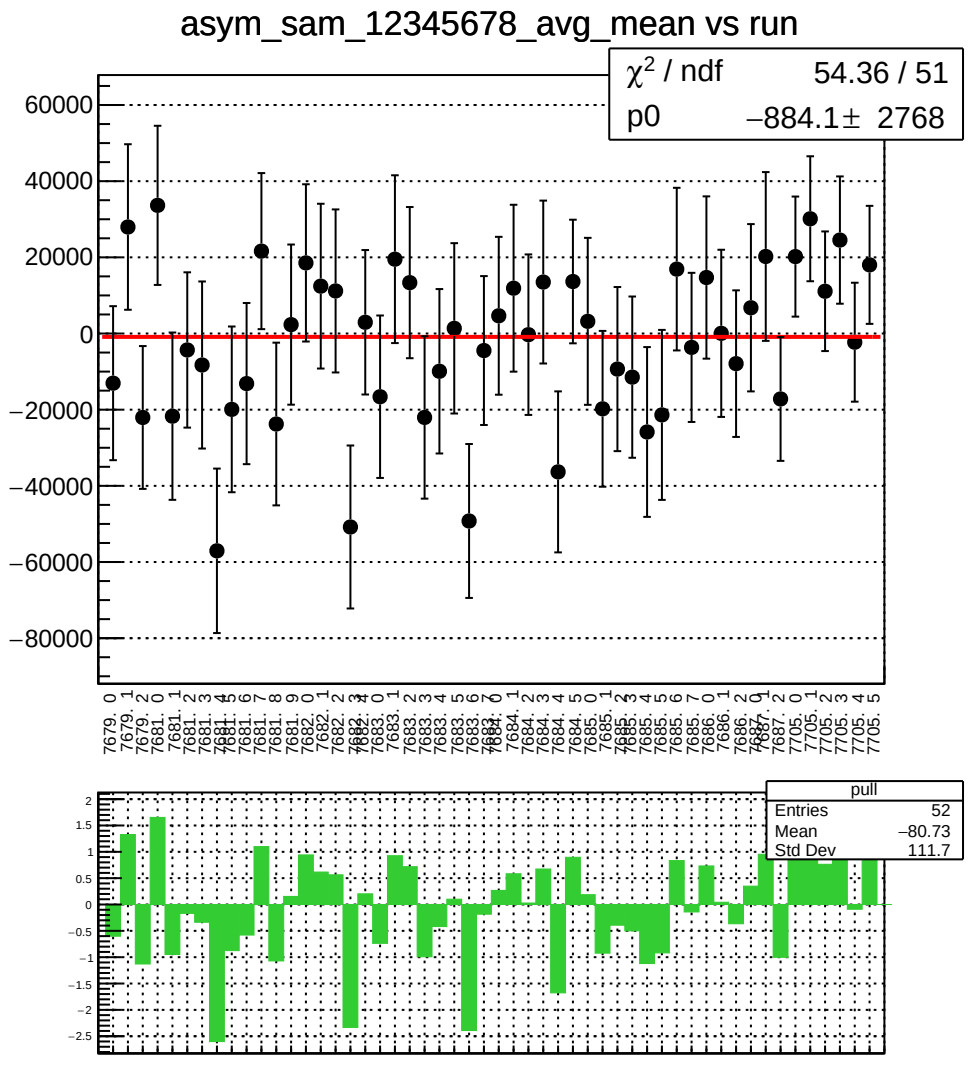

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 35.29 / 51
p0 139.1 ± 252.3
6000
4000
2000
0
−2000
−4000
−6000
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 4
7681. 5
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7683. 7
7684. 0
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 3
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5
pull
Entries 52
Mean −3364
Std Dev 3387
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean −0.0007426
Std Dev 0.8239
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

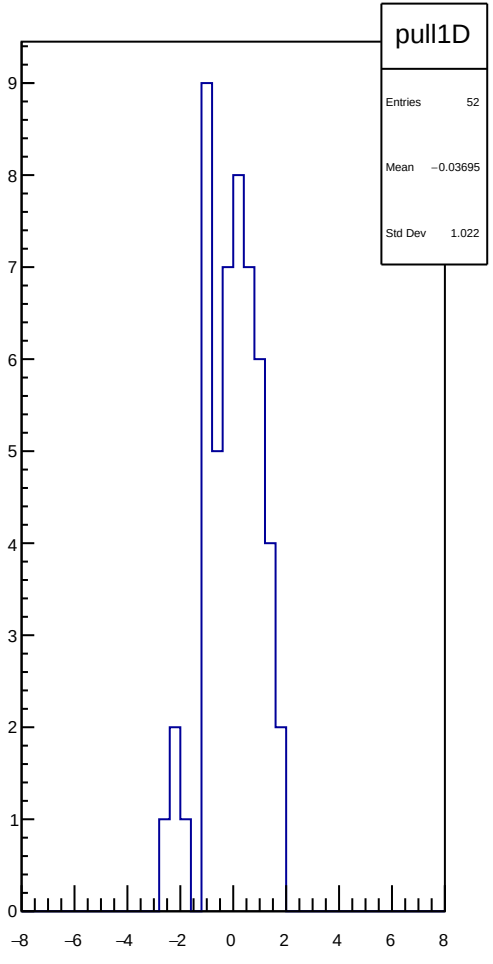

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6783 / 51
p0 176.6 ± 0.1784
260
240
220
200
180
160
140
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

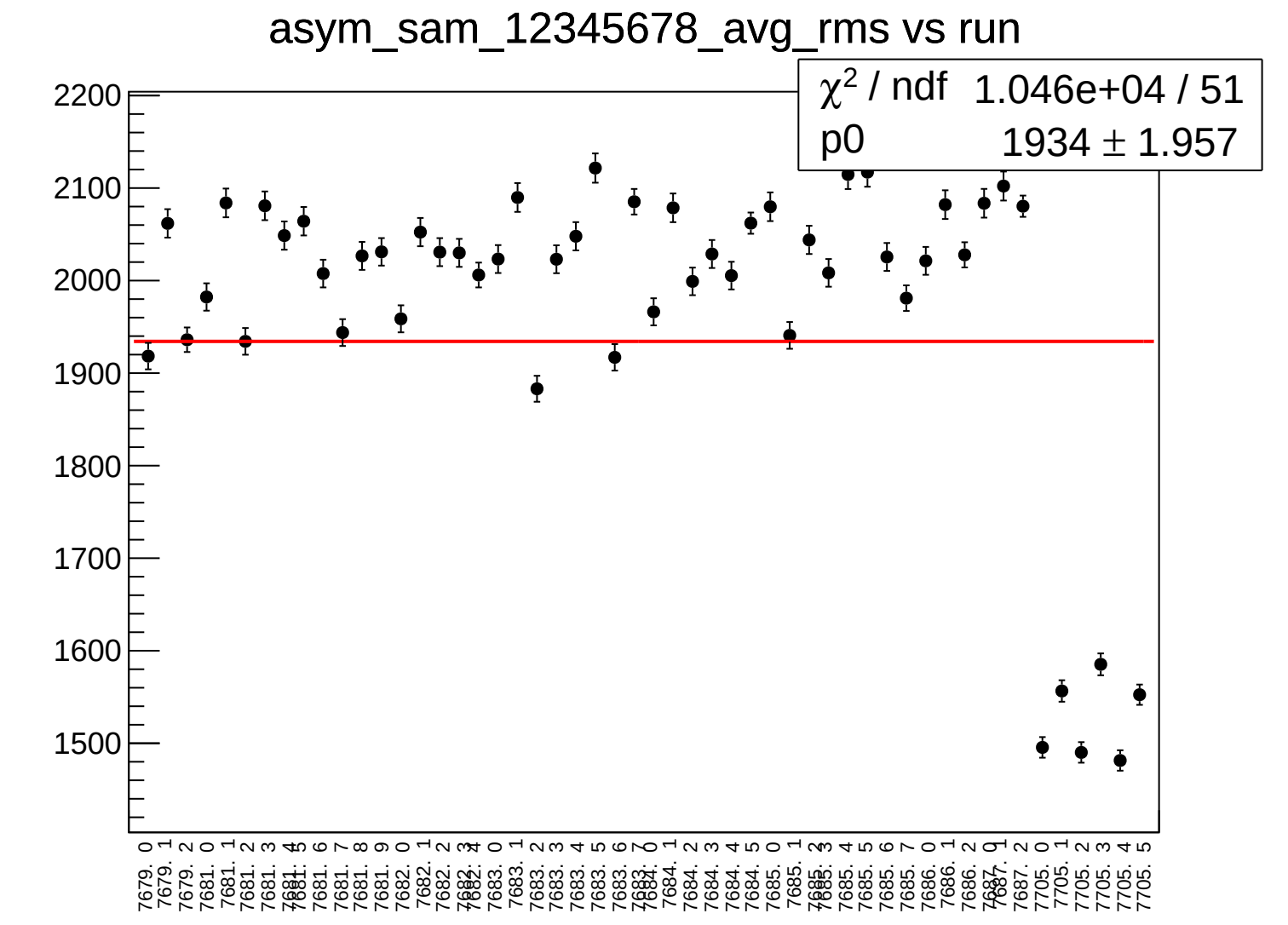

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 54.85 / 51
p0 1274 ± 2735
pull
Entries 52
Mean −87.04
Std Dev 118.7

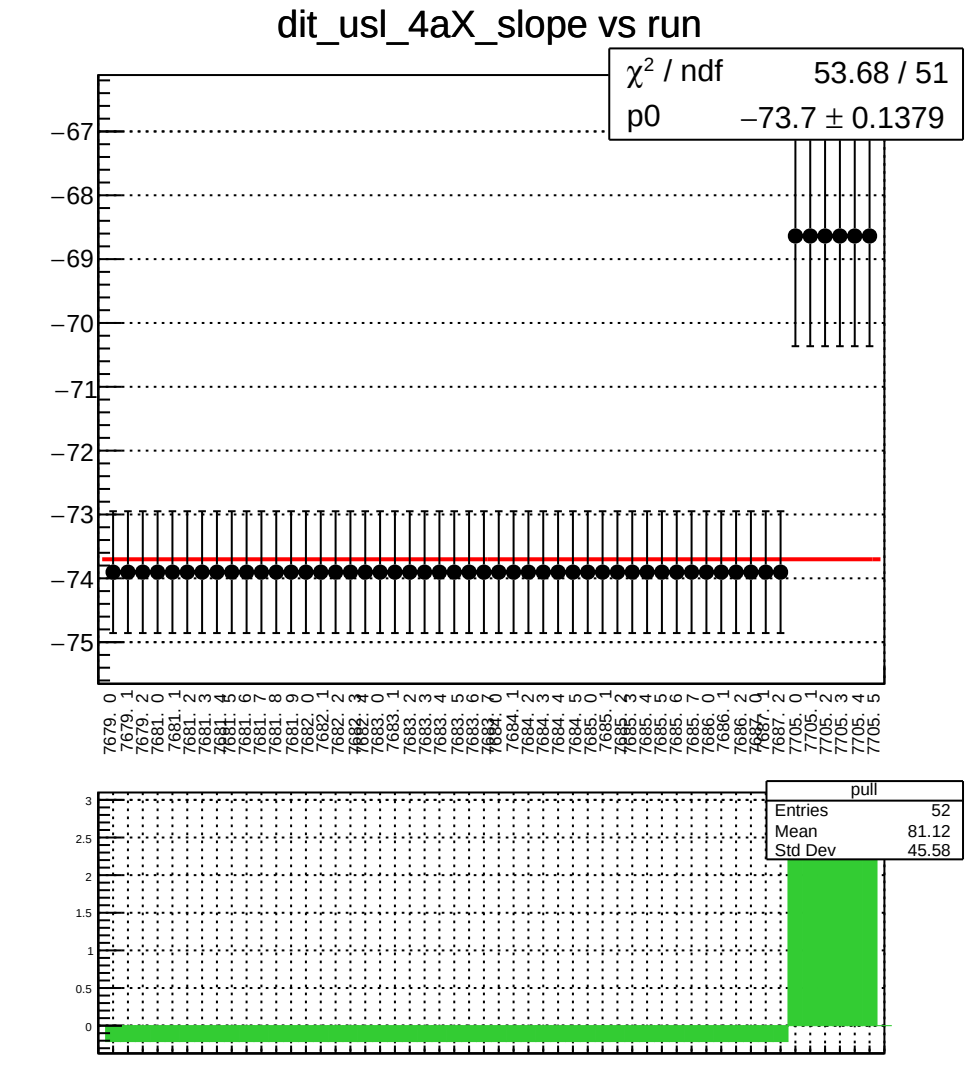

pull1D
Entries 52
Mean 0.03248
Std Dev 1.027

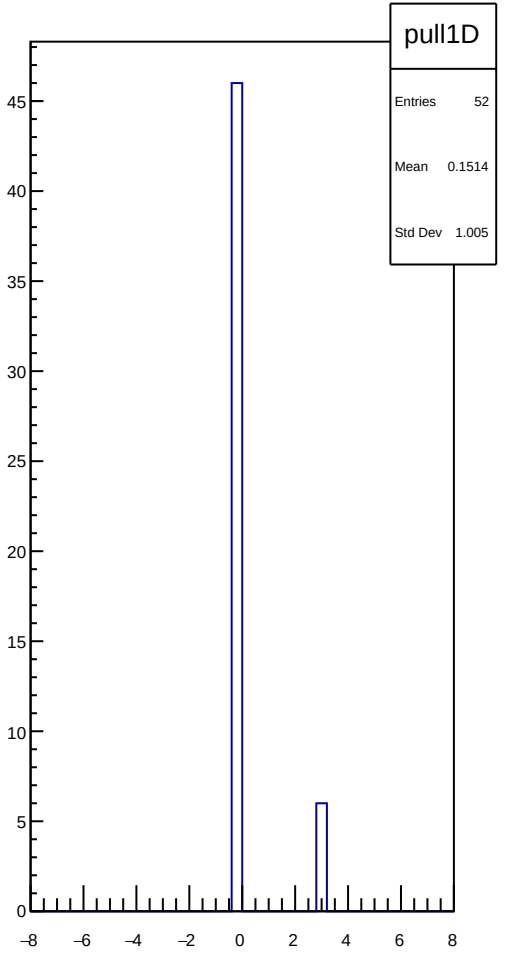

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 8313 / 51
p0 1913 ± 1.934
2100
2000
1900
1800
1700
1600
1500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 1
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

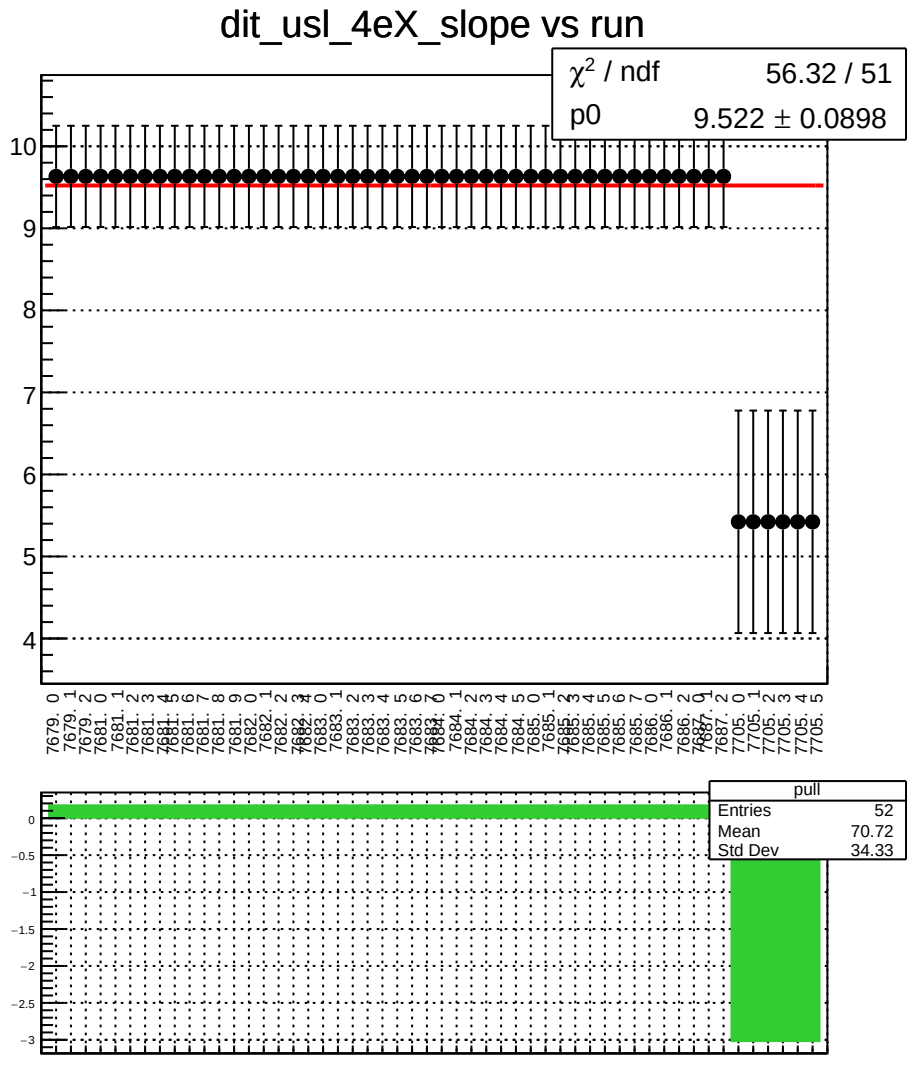

asym_sam_12345678_avg_mean vs run
χ² / ndf 54.36 / 51
p0 −884.1± 2768
pull
Entries 52
Mean −80.73
Std Dev 111.7

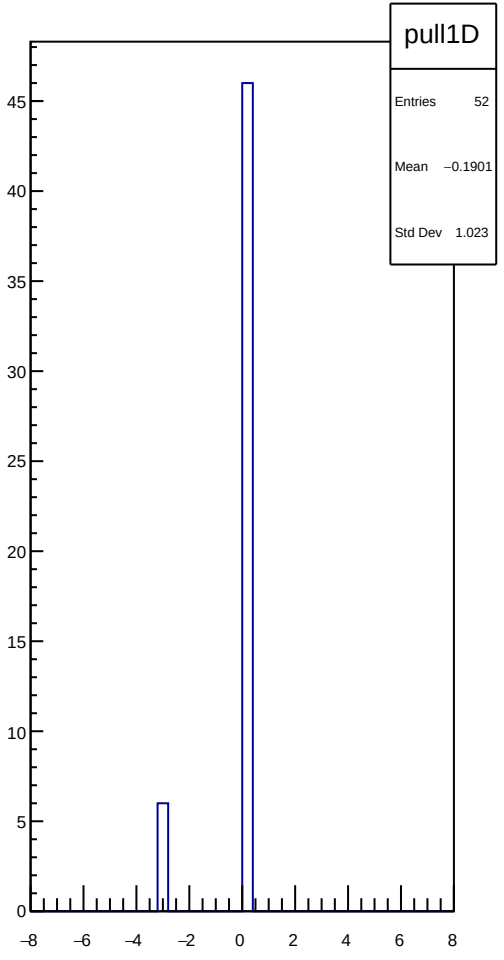

pull1D
Entries 52
Mean −0.03695
Std Dev 1.022

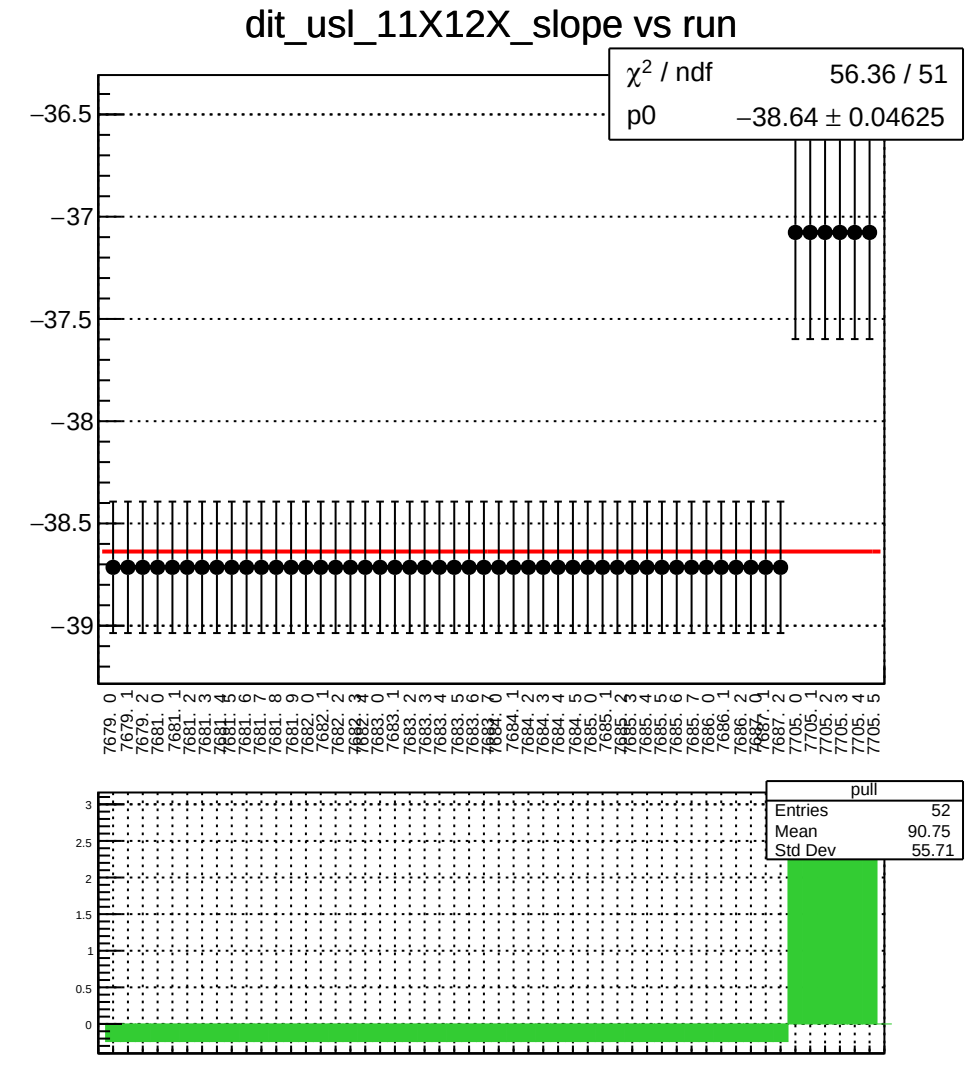

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.046e+04 / 51
p0 1934 ± 1.957
2200
2100
2000
1900
1800
1700
1600
1500
7679. 0
7679. 1
7679. 2
7681. 0
7681. 1
7681. 2
7681. 3
7681. 6
7681. 7
7681. 8
7681. 9
7682. 0
7682. 1
7682. 2
7683. 0
7683. 1
7683. 2
7683. 3
7683. 4
7683. 5
7683. 6
7684. 1
7684. 2
7684. 3
7684. 4
7684. 5
7685. 0
7685. 1
7685. 4
7685. 5
7685. 6
7685. 7
7686. 0
7686. 1
7686. 2
7687. 2
7705. 0
7705. 1
7705. 2
7705. 3
7705. 4
7705. 5

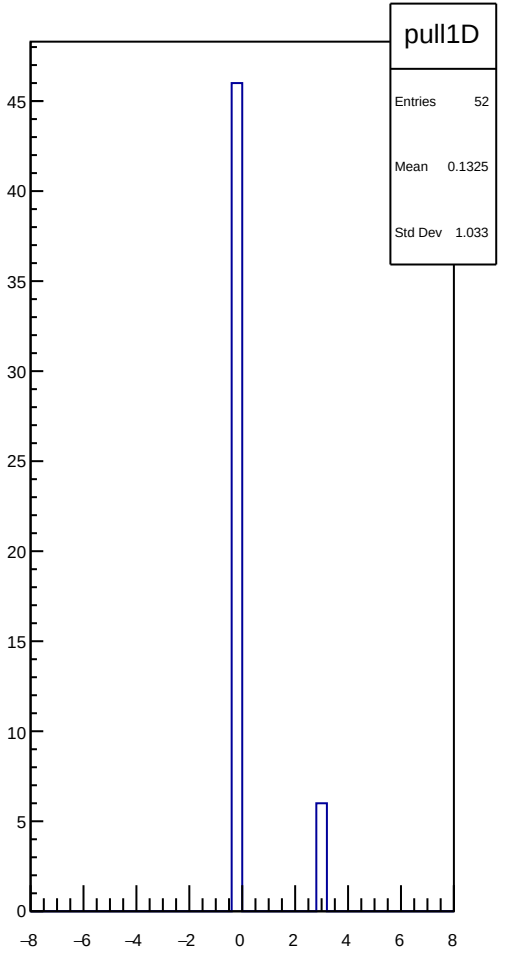

dit_usl_4aX_slope vs run
χ² / ndf 53.68 / 51
p0 −73.7 ± 0.1379
pull
Entries 52
Mean 81.12
Std Dev 45.58

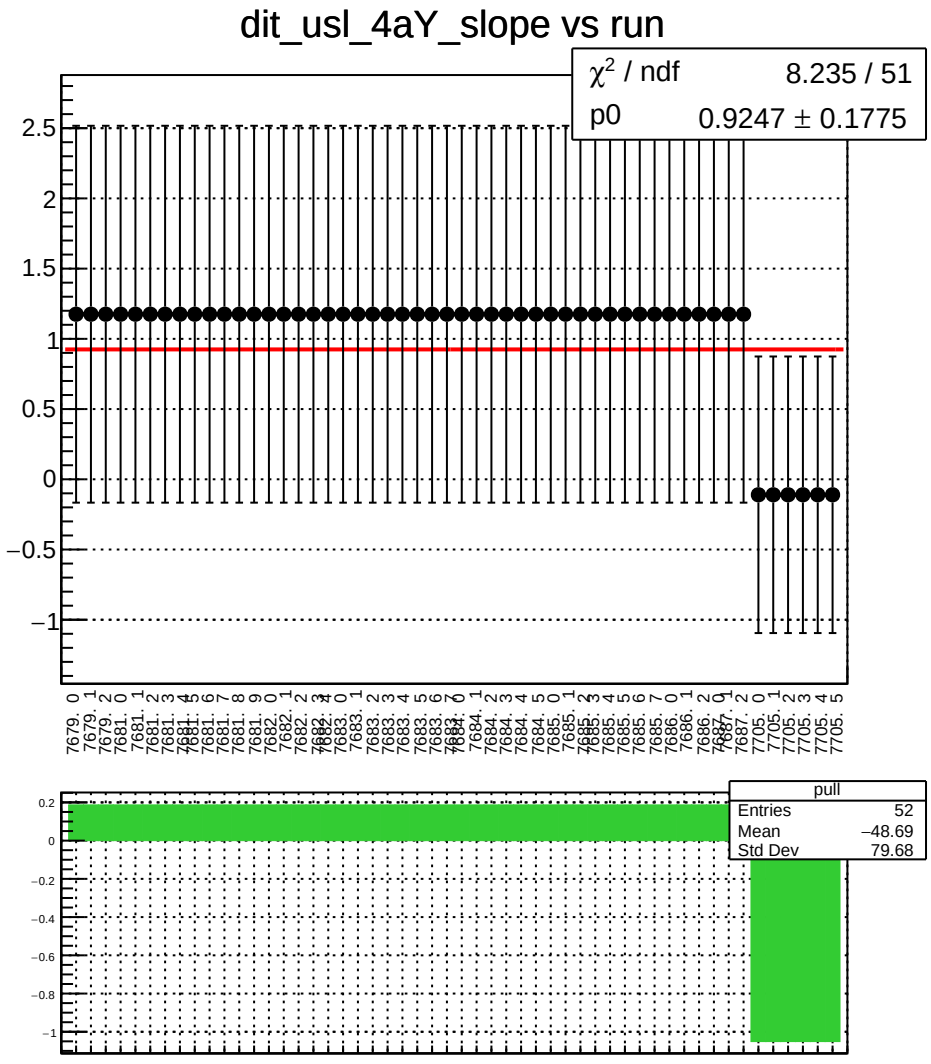

pull1D
Entries 52
Mean 0.1514
Std Dev 1.005

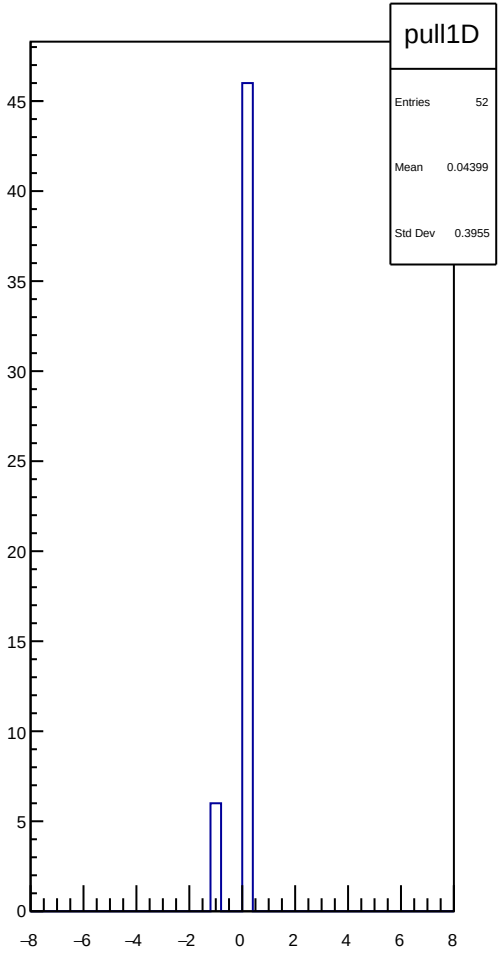

dit_usl_4eX_slope vs run
χ² / ndf 56.32 / 51
p0 9.522 ± 0.0898
pull
Entries 52
Mean 70.72
Std Dev 34.33

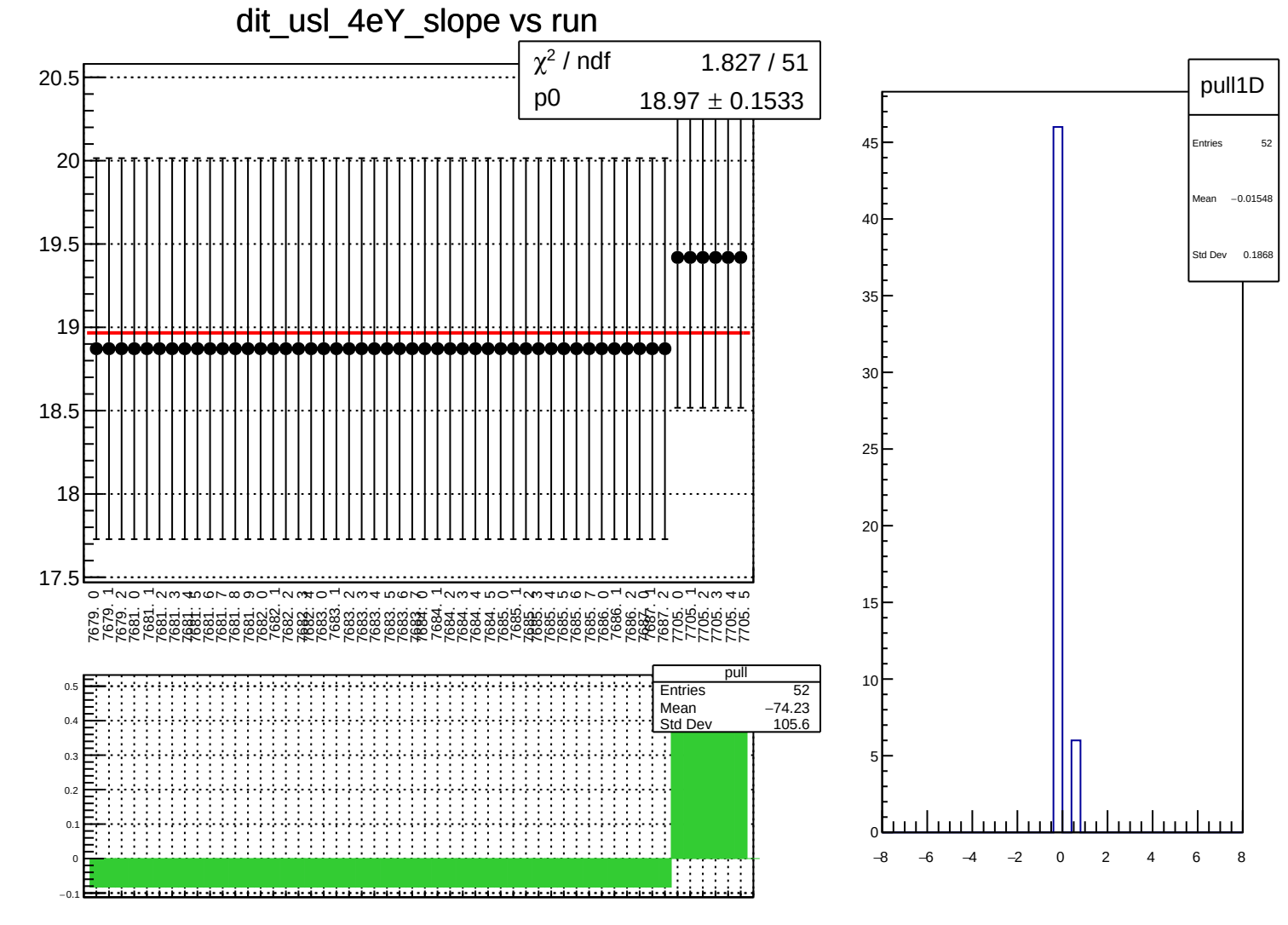

pull1D
Entries 52
Mean −0.1901
Std Dev 1.023

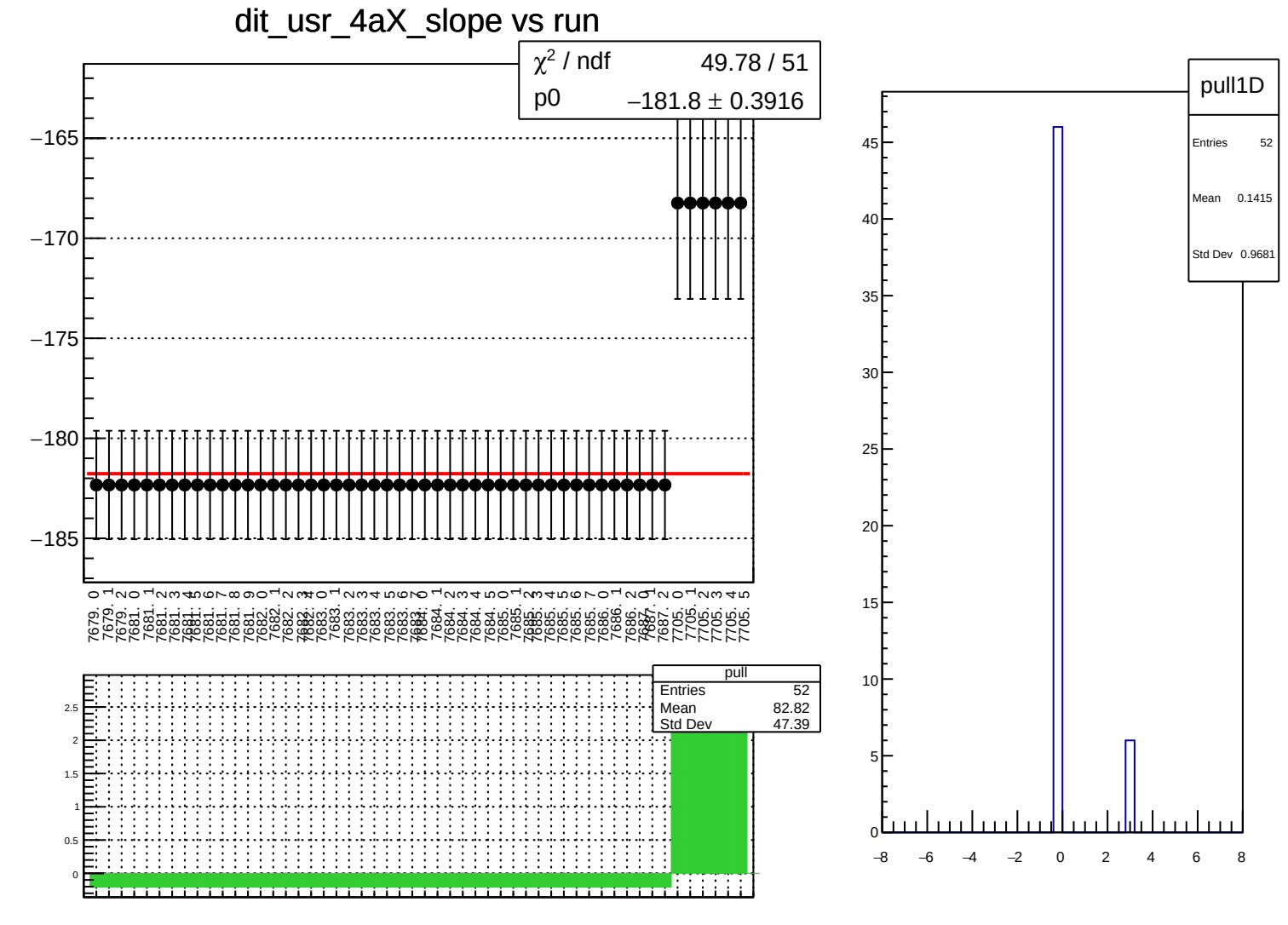

dit_usl_11X12X_slope vs run
χ² / ndf 56.36 / 51
p0 −38.64 ± 0.04625
−36.5
−37
−37.5
−38
−38.5
−39
pull
Entries 52
Mean 90.75
Std Dev 55.71
3
2.5
2
1.5
1
0.5
0

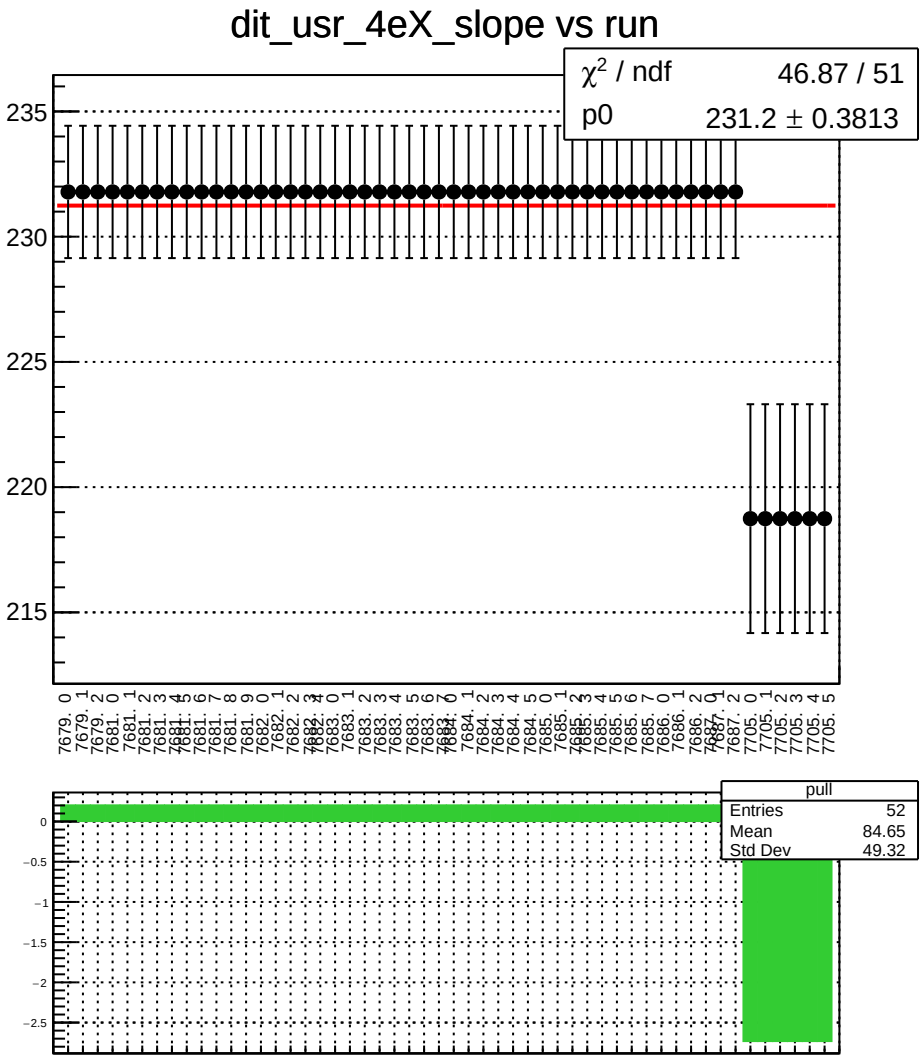

pull1D
Entries 52
Mean 0.1325
Std Dev 1.033
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

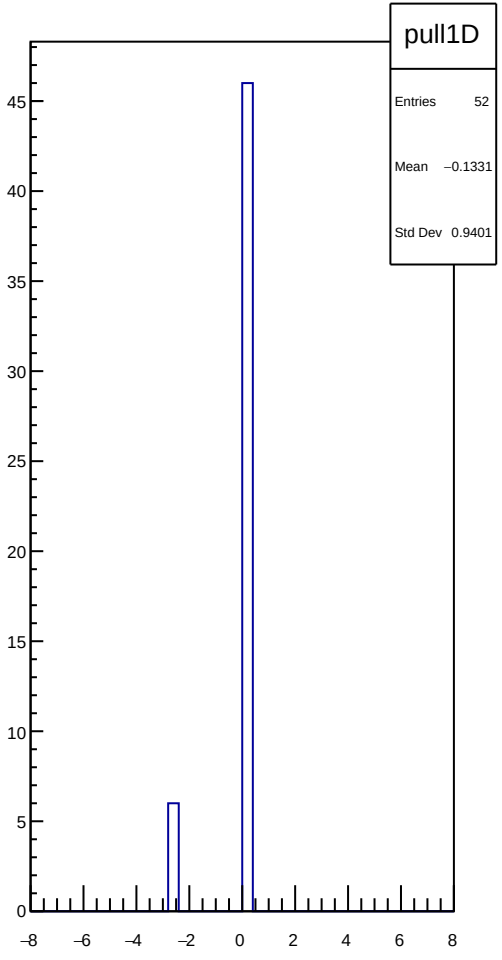

dit_usl_4aY_slope vs run
χ² / ndf 8.235 / 51
p0 0.9247 ± 0.1775
pull
Entries 52
Mean −48.69
Std Dev 79.68

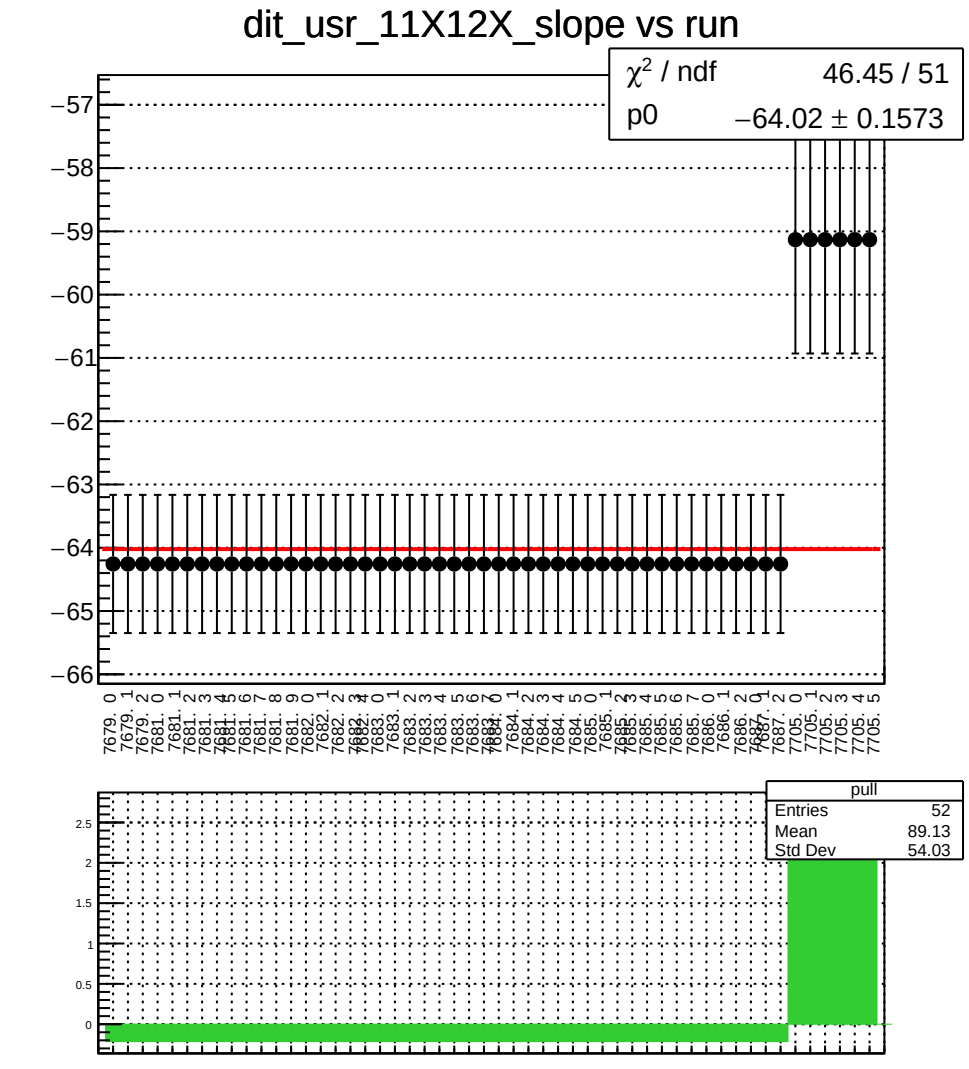

pull1D
Entries 52
Mean 0.04399
Std Dev 0.3955

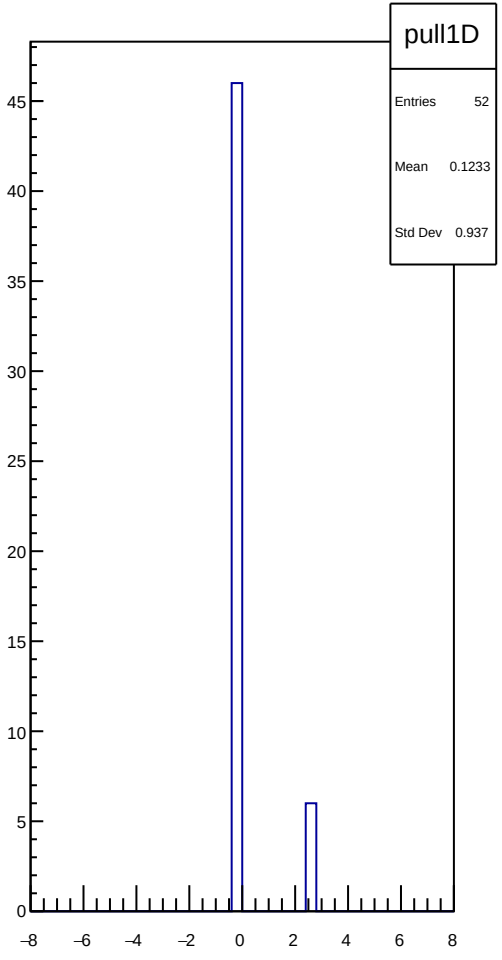

dit_usl_4eY_slope vs run
χ² / ndf 1.827 / 51
p0 18.97 ± 0.1533
pull
Entries 52
Mean −74.23
Std Dev 105.6
pull1D
Entries 52
Mean −0.01548
Std Dev 0.1868

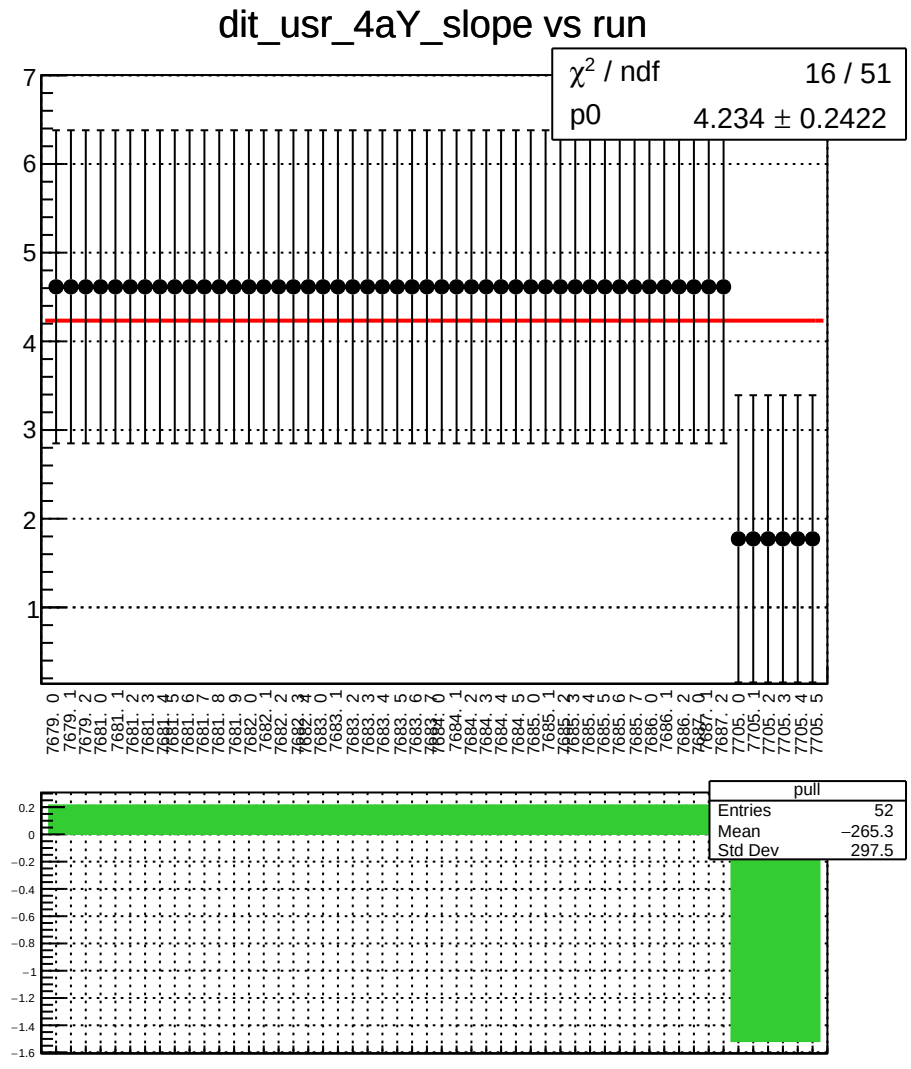

dit_usr_4aX_slope vs run
χ² / ndf 49.78 / 51
p0 −181.8 ± 0.3916
−165
−170
−175
−180
−185
pull
Entries 52
Mean 82.82
Std Dev 47.39
2.5
2
1.5
1
0.5
0
pull1D
Entries 52
Mean 0.1415
Std Dev 0.9681
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

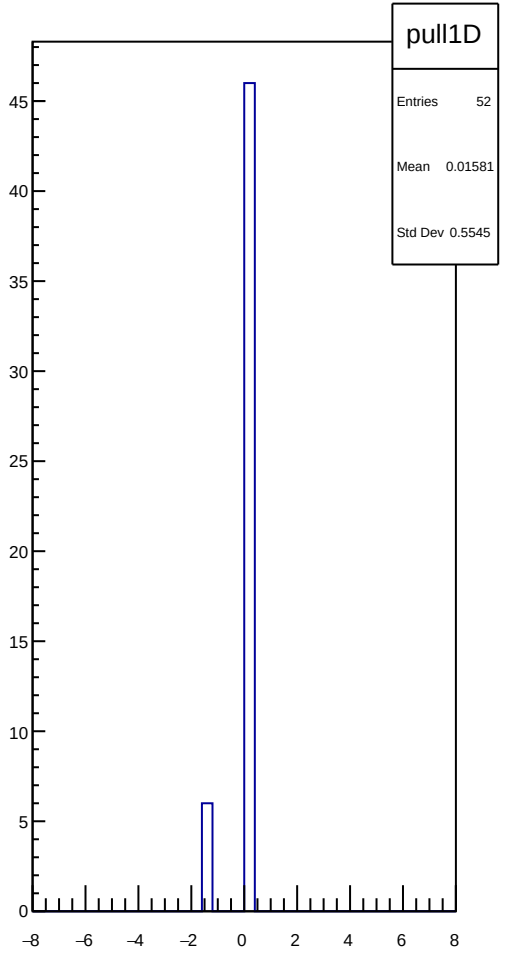

dit_usr_4eX_slope vs run
χ² / ndf 46.87 / 51
p0 231.2 ± 0.3813
235
230
225
220
215
pull
Entries 52
Mean 84.65
Std Dev 49.32
0
−0.5
−1
−1.5
−2
−2.5

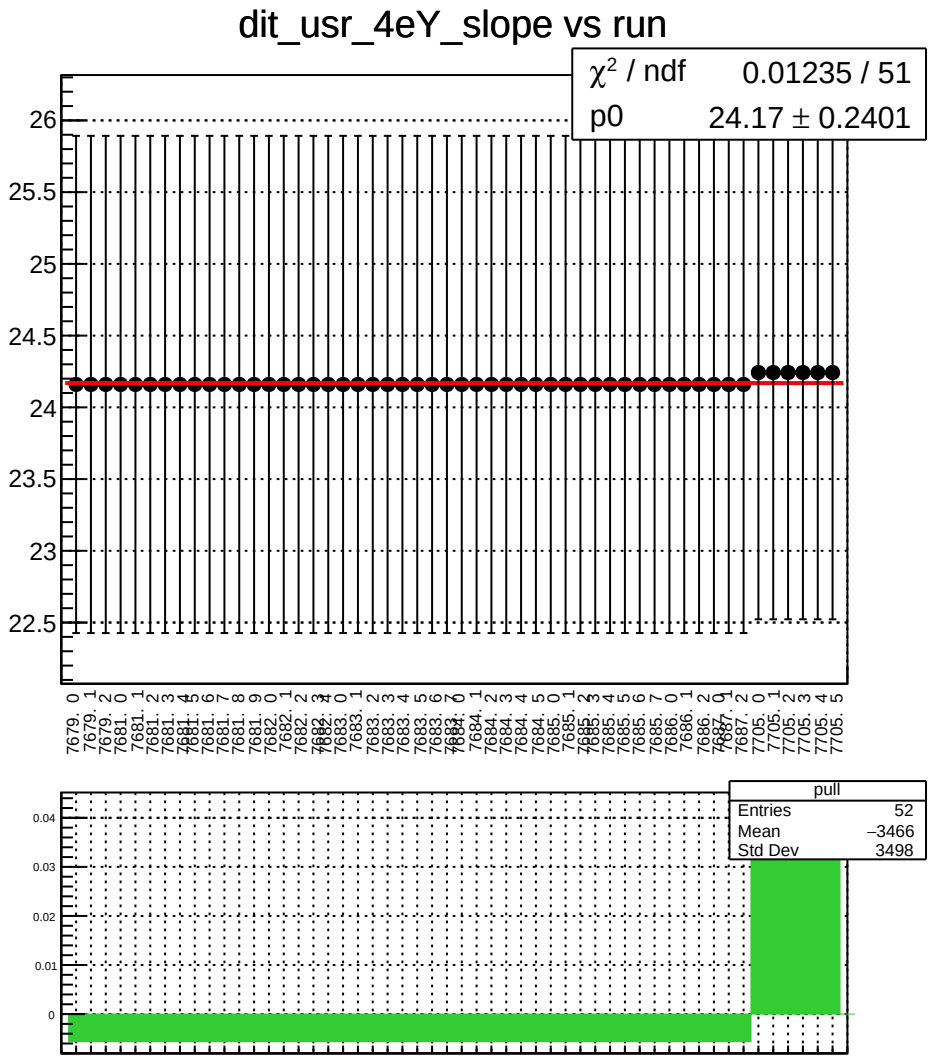

pull1D
Entries 52
Mean −0.1331
Std Dev 0.9401
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

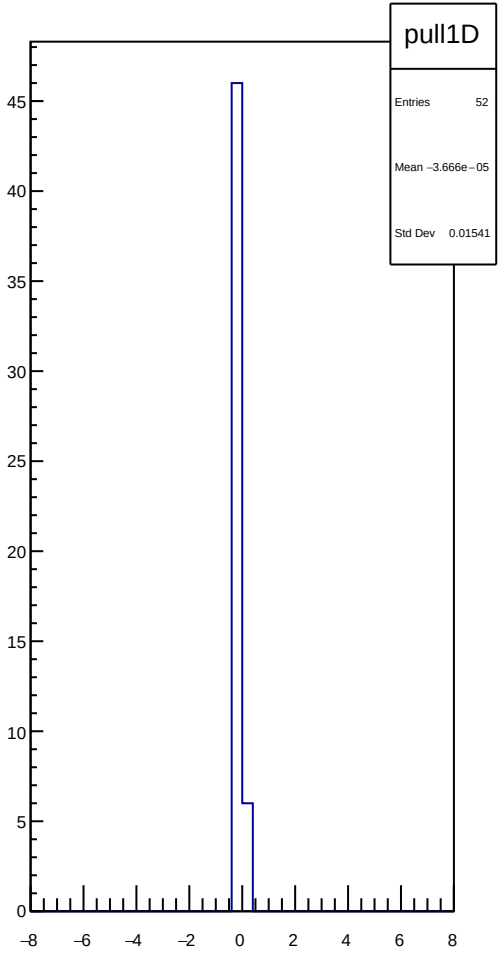

dit_usr_11X12X_slope vs run
χ² / ndf 46.45 / 51
p0 −64.02 ± 0.1573
pull
Entries 52
Mean 89.13
Std Dev 54.03

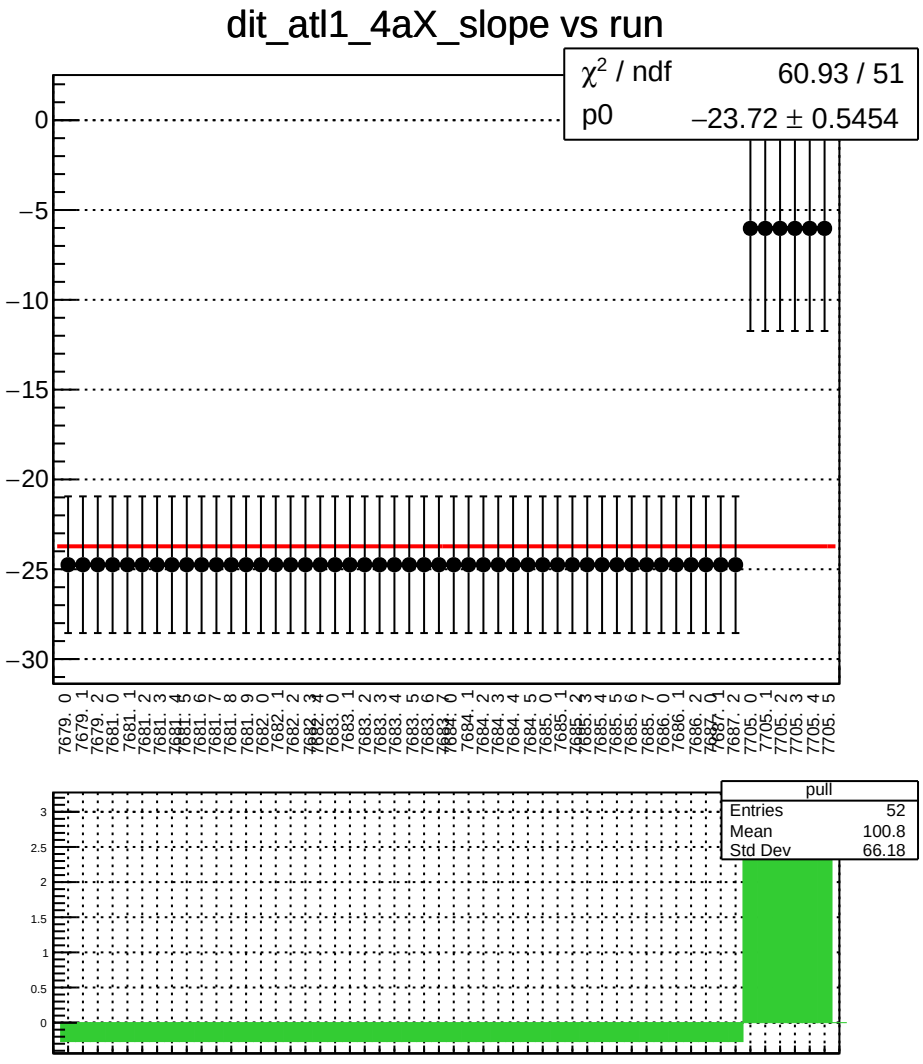

pull1D
Entries 52
Mean 0.1233
Std Dev 0.937

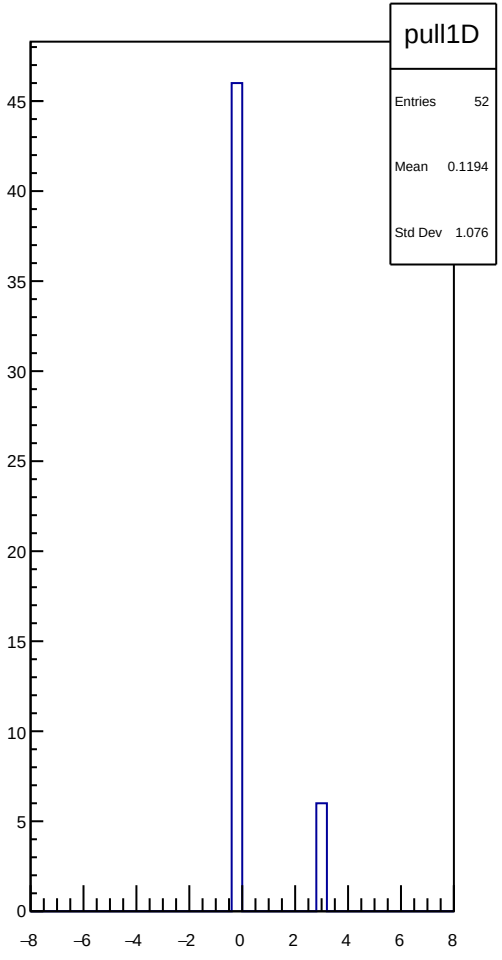

dit_usr_4aY_slope vs run
χ² / ndf 16 / 51
p0 4.234 ± 0.2422
pull
Entries 52
Mean −265.3
Std Dev 297.5

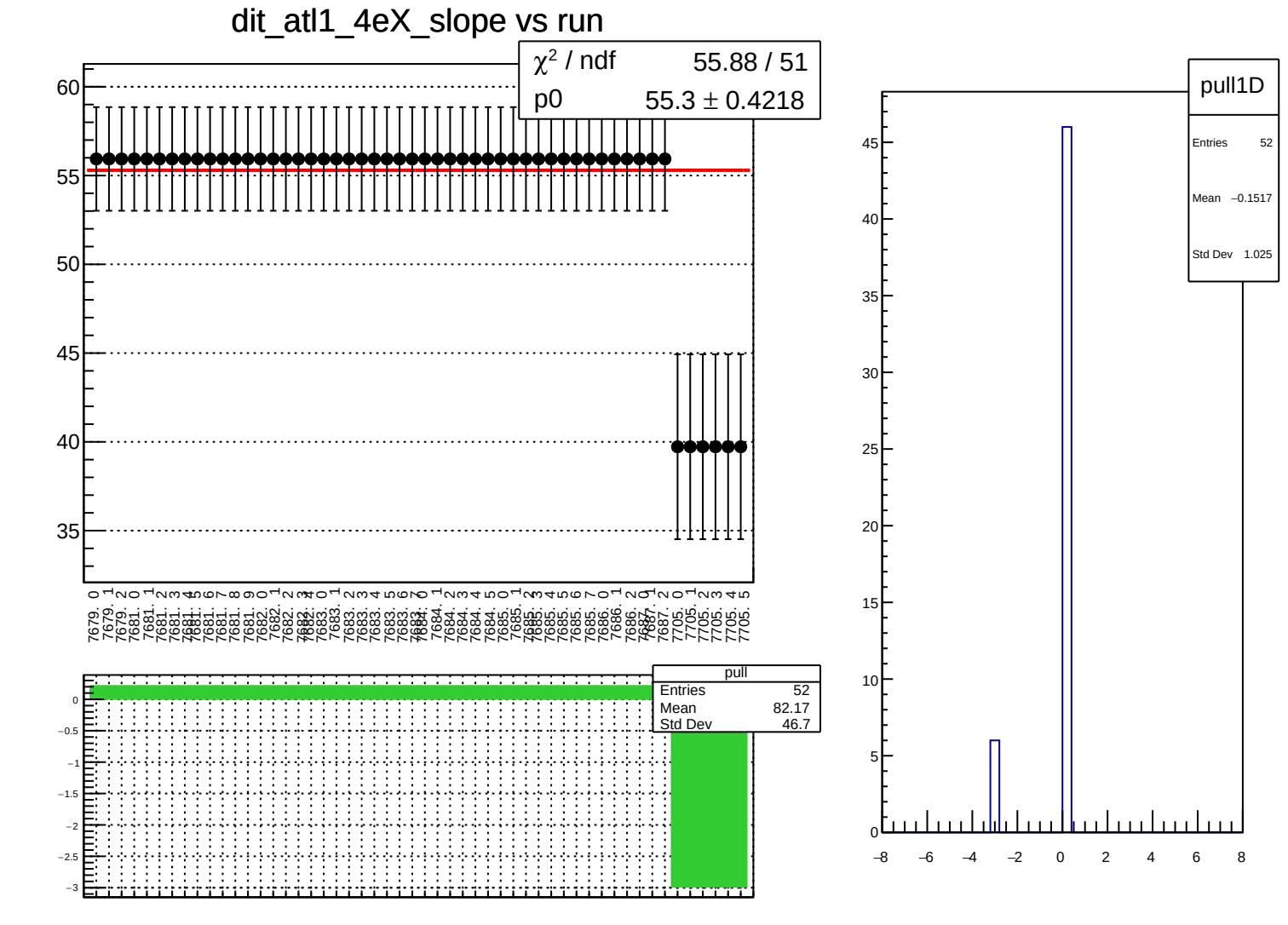

pull1D
Entries 52
Mean 0.01581
Std Dev 0.5545

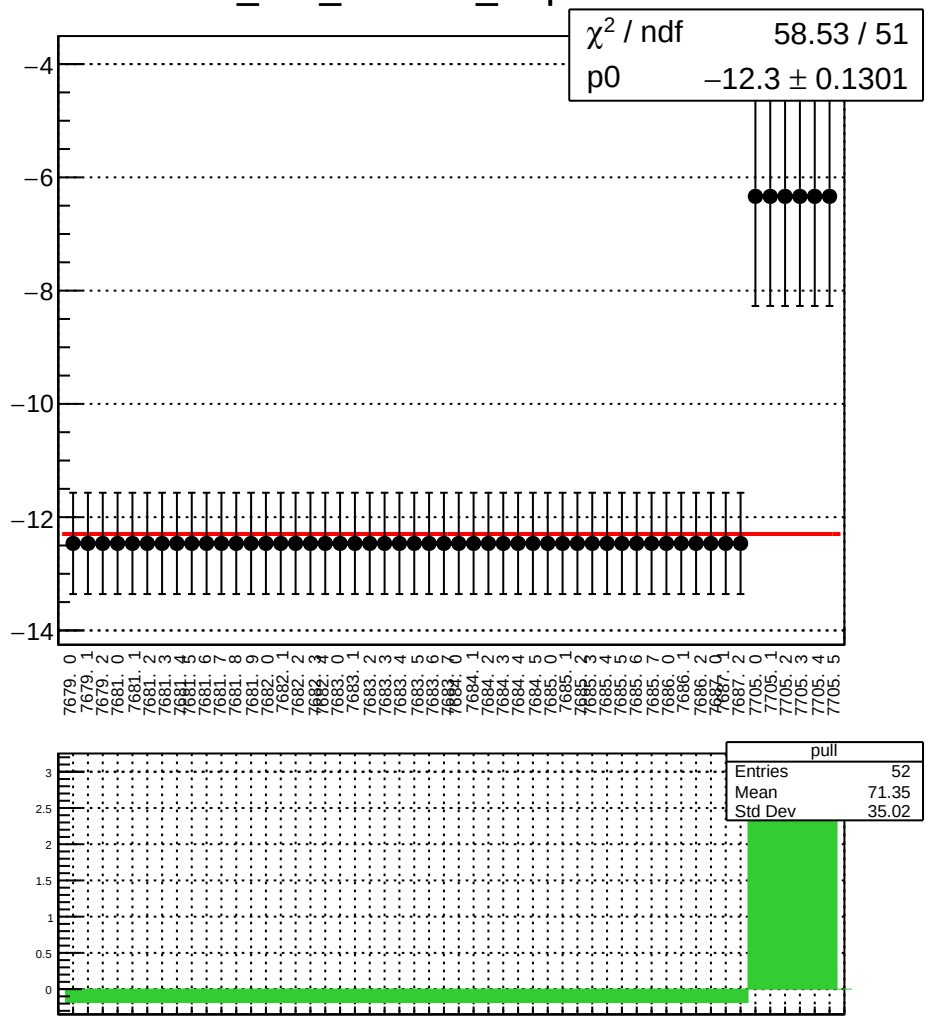

dit_usr_4eY_slope vs run
χ² / ndf 0.01235 / 51
p0 24.17 ± 0.2401
pull
Entries 52
Mean −3466
Std Dev 3498

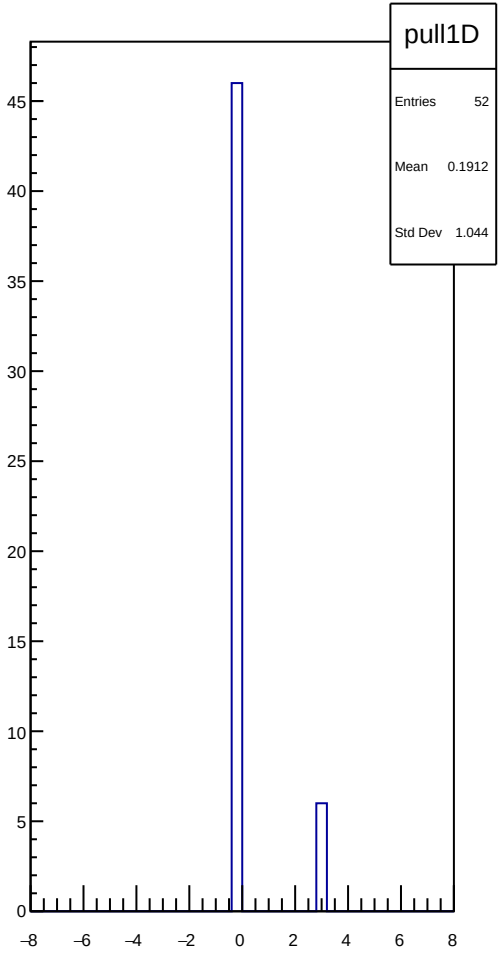

pull1D
Entries 52
Mean −3.666e−05
Std Dev 0.01541

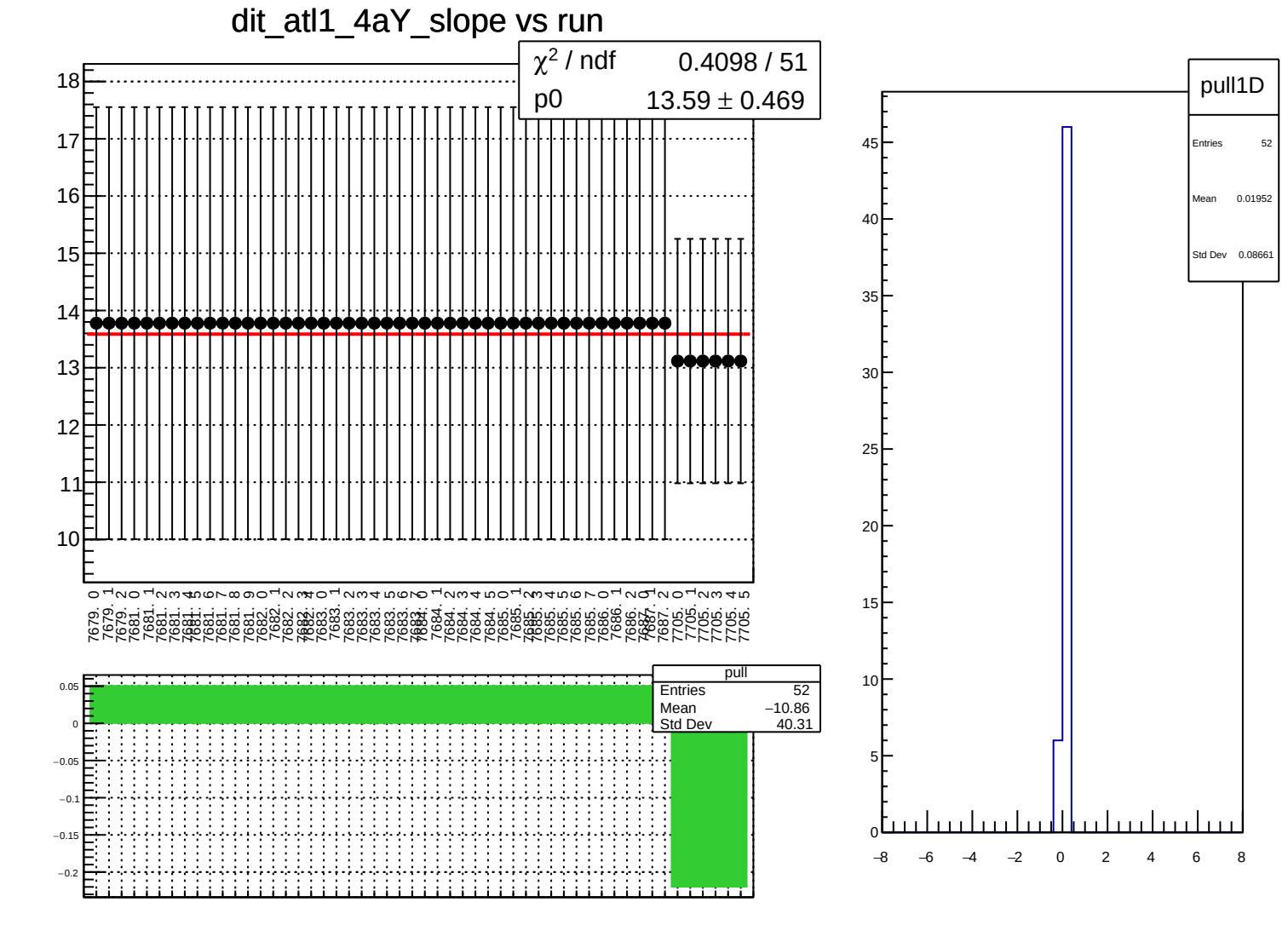

dit_atl1_4aX_slope vs run
χ² / ndf 60.93 / 51
p0 −23.72 ± 0.5454
pull
Entries 52
Mean 100.8
Std Dev 66.18

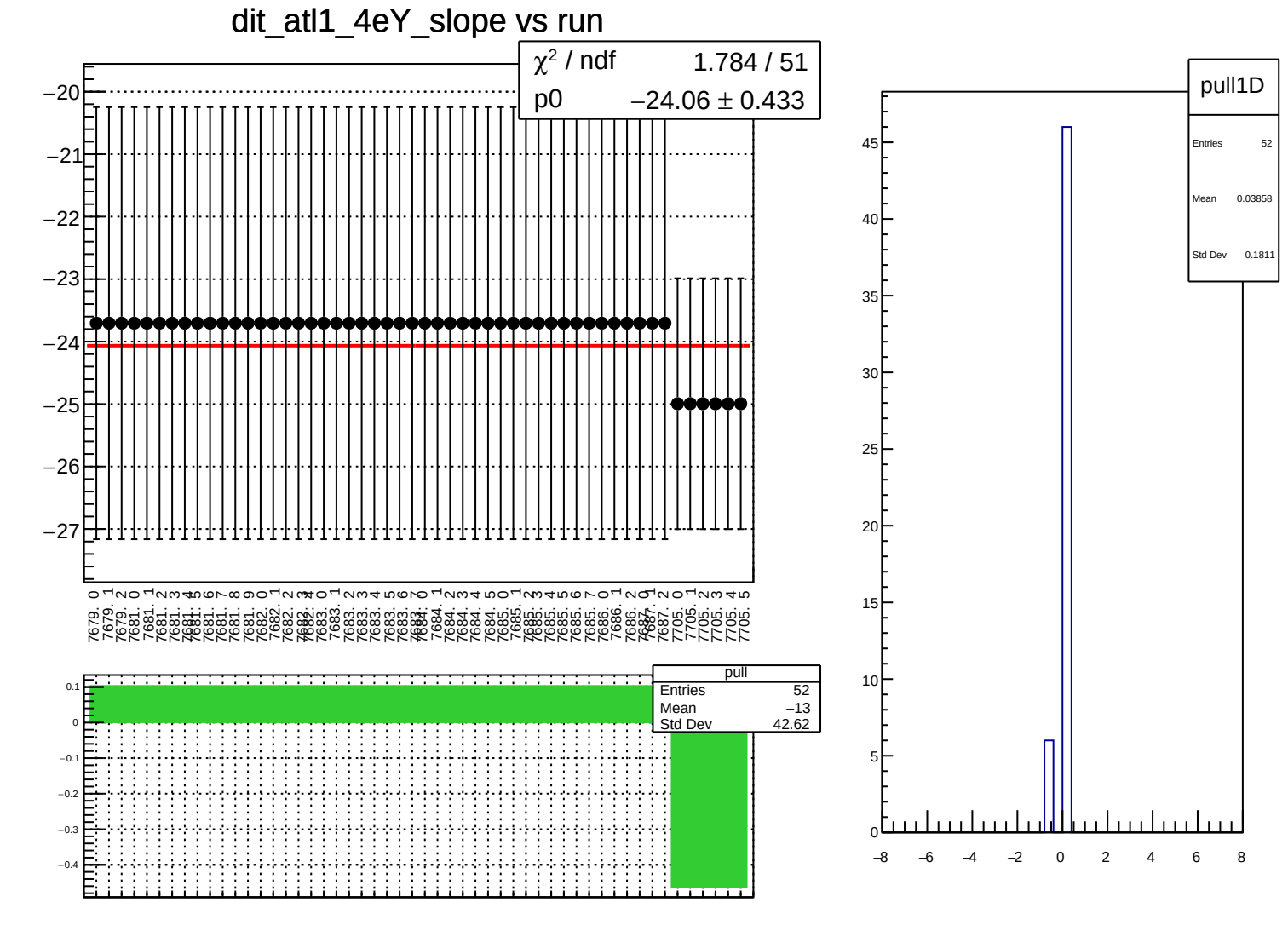

pull1D
Entries 52
Mean 0.1194
Std Dev 1.076

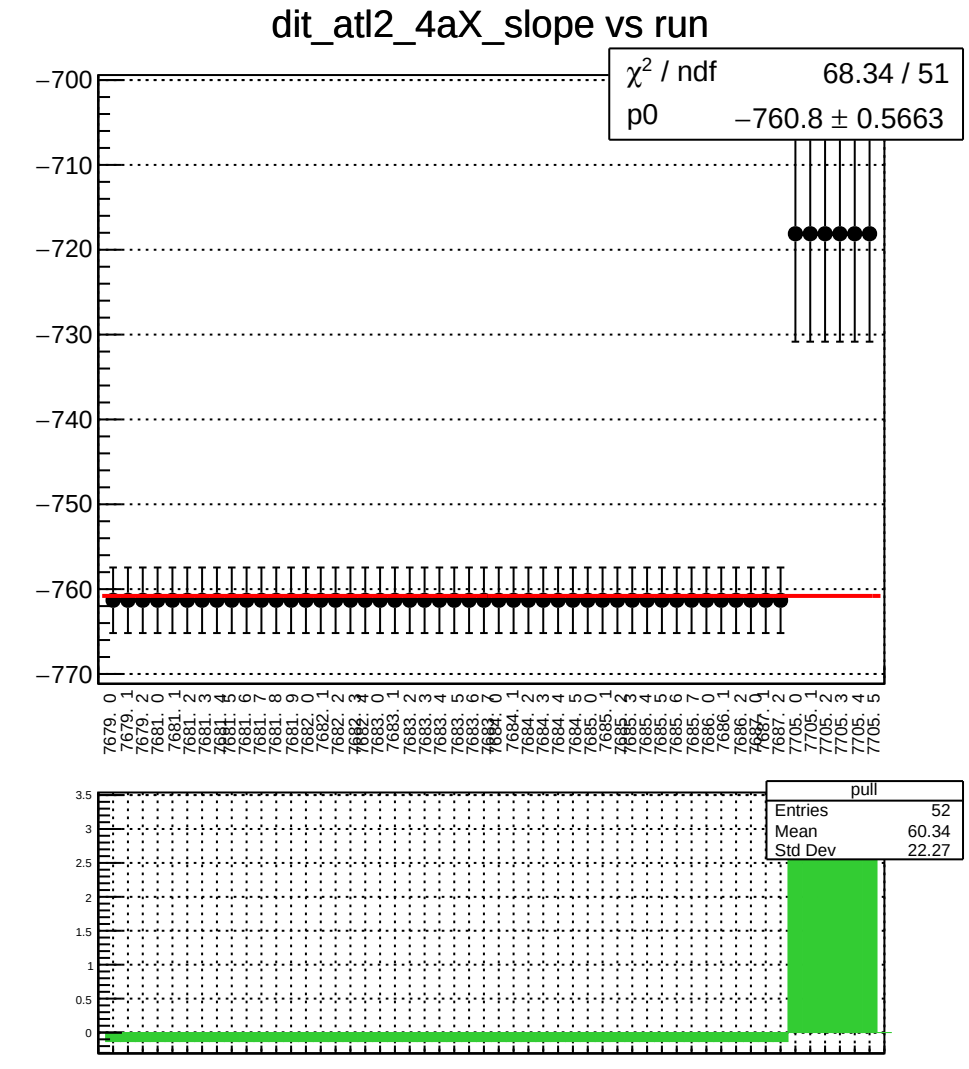

dit_atl1_4eX_slope vs run
χ² / ndf 55.88 / 51
p0 55.3 ± 0.4218
pull
Entries 52
Mean 82.17
Std Dev 46.7
pull1D
Entries 52
Mean −0.1517
Std Dev 1.025

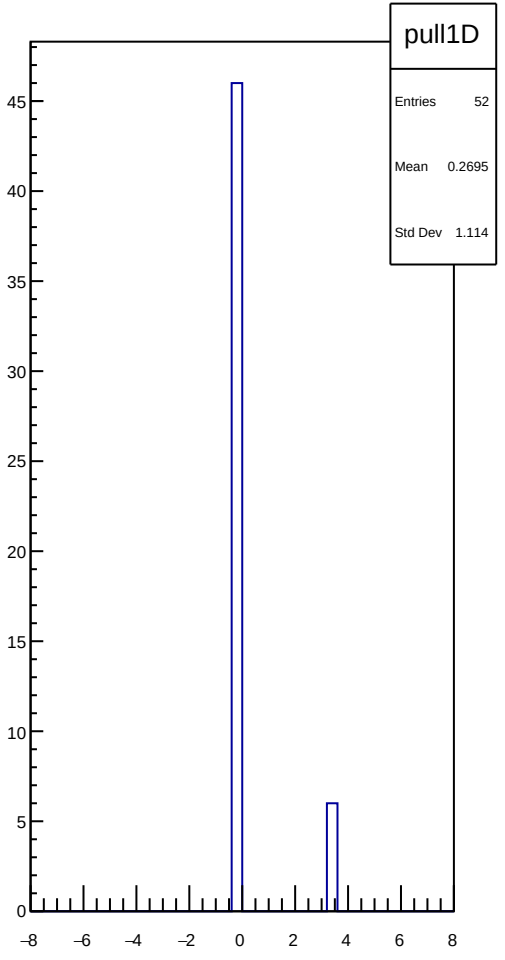

dit_atl1_11X12X_slope vs run
χ² / ndf 58.53 / 51
p0 −12.3 ± 0.1301
pull
Entries 52
Mean 71.35
Std Dev 35.02

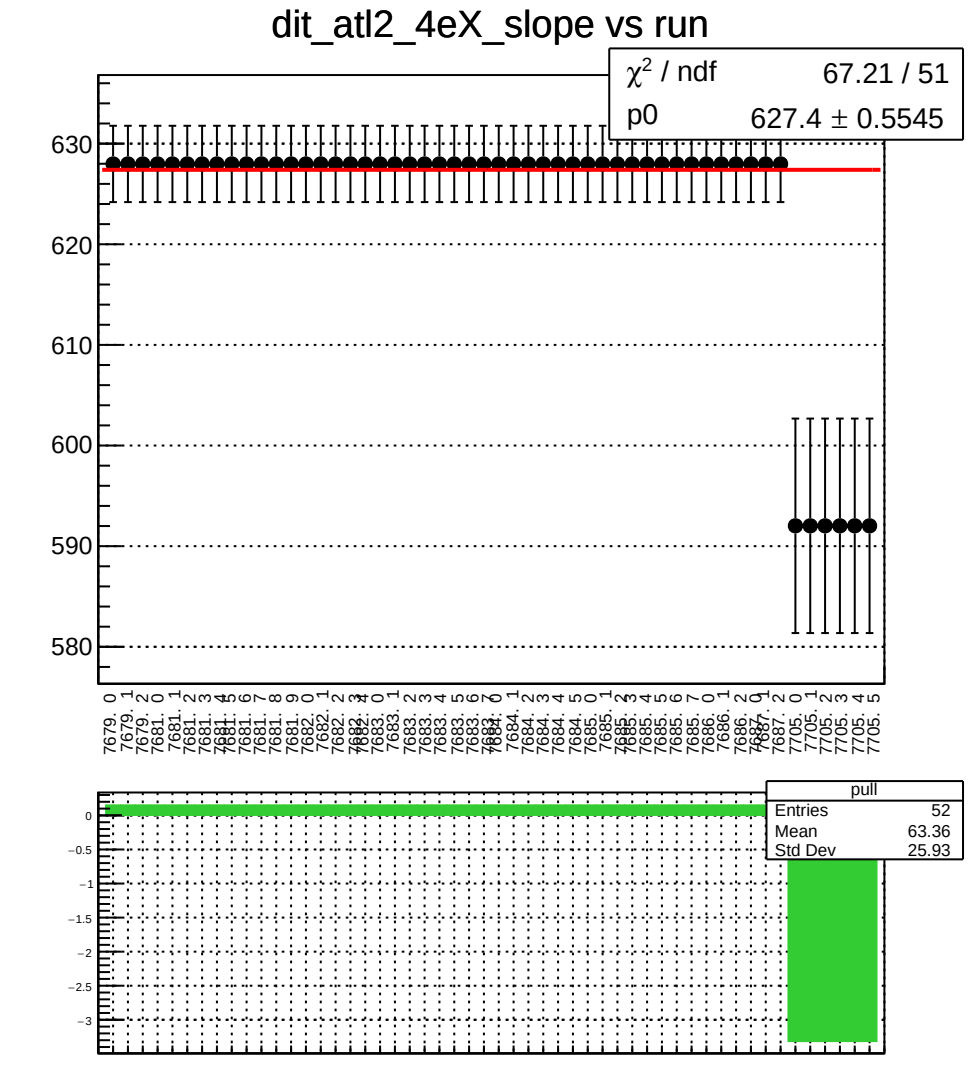

pull1D
Entries 52
Mean 0.1912
Std Dev 1.044

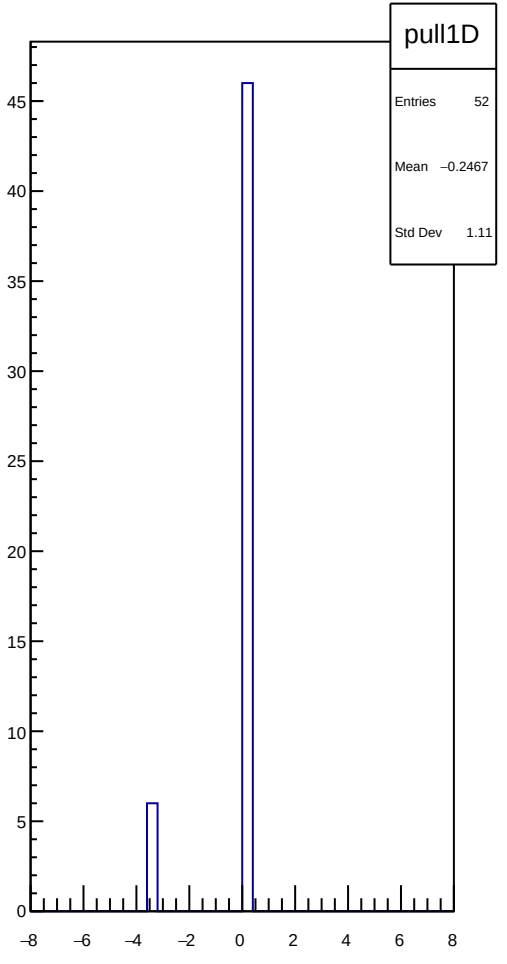

dit_atl1_4aY_slope vs run
χ² / ndf 0.4098 / 51
p0 13.59 ± 0.469
pull
Entries 52
Mean −10.86
Std Dev 40.31
pull1D
Entries 52
Mean 0.01952
Std Dev 0.08661

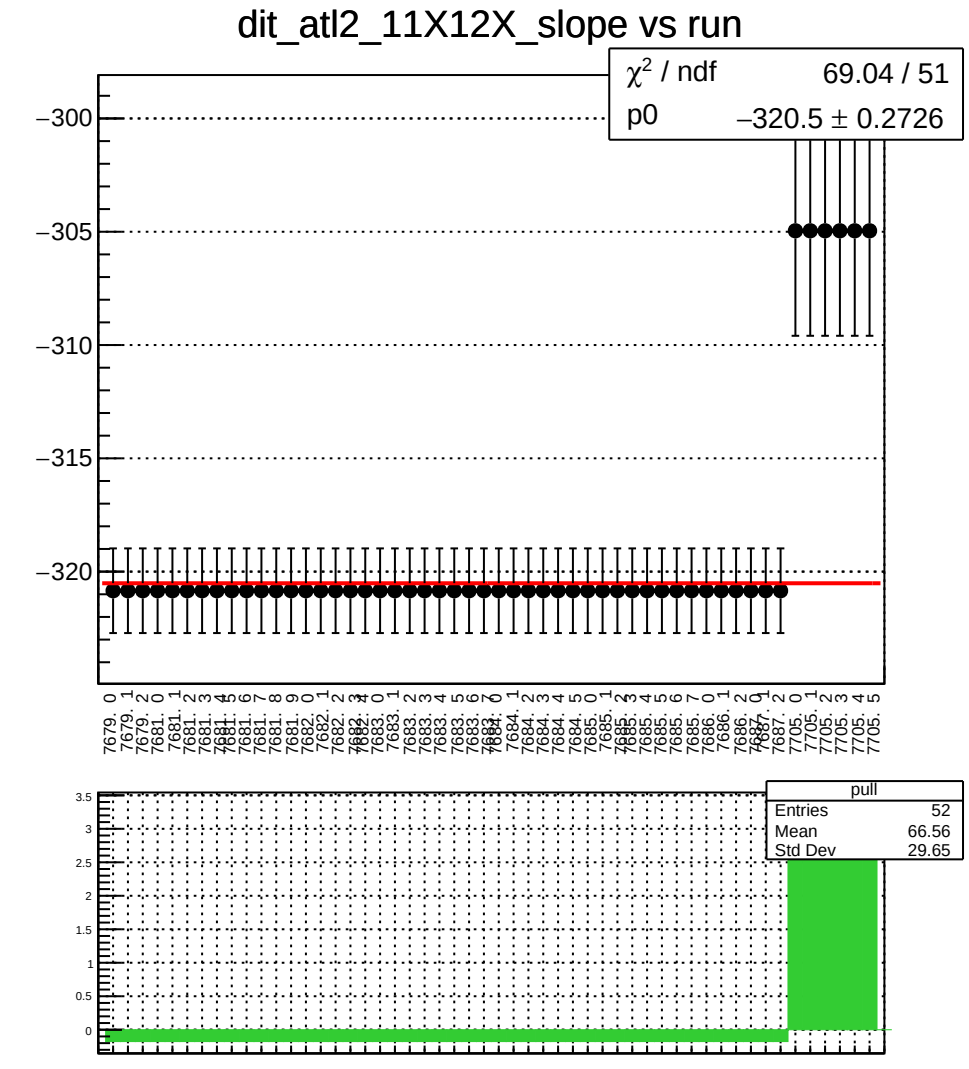

dit_atl1_4eY_slope vs run
χ² / ndf 1.784 / 51
p0 −24.06 ± 0.433
pull
Entries 52
Mean −13
Std Dev 42.62
pull1D
Entries 52
Mean 0.03858
Std Dev 0.1811

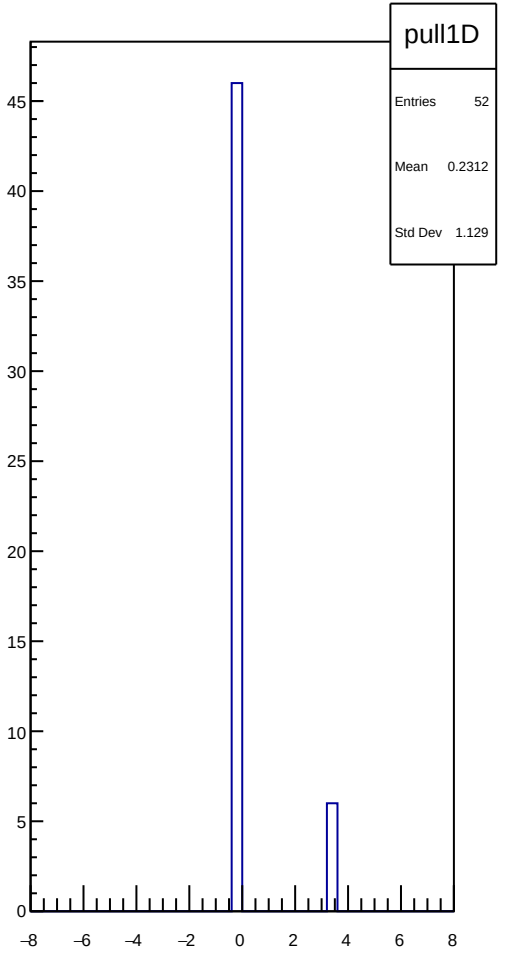

dit_atl2_4aX_slope vs run
χ² / ndf 68.34 / 51
p0 −760.8 ± 0.5663
pull
Entries 52
Mean 60.34
Std Dev 22.27

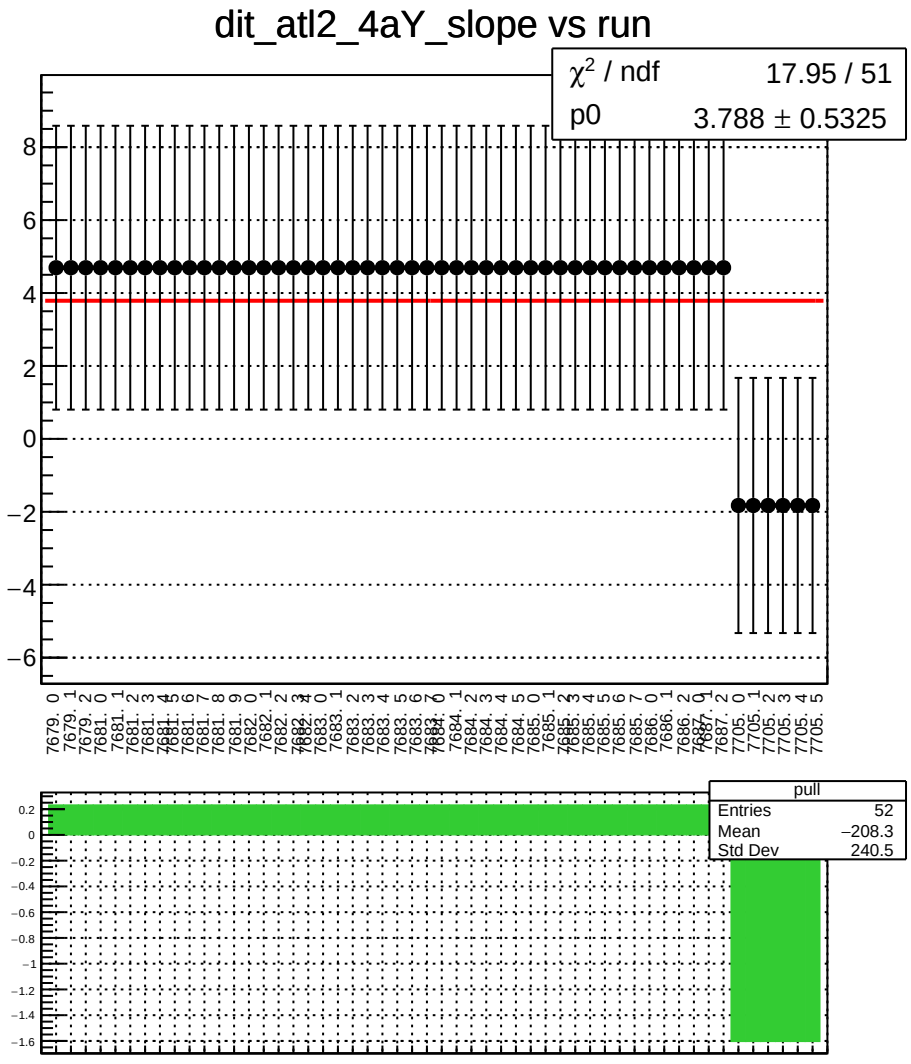

pull1D
Entries 52
Mean 0.2695
Std Dev 1.114

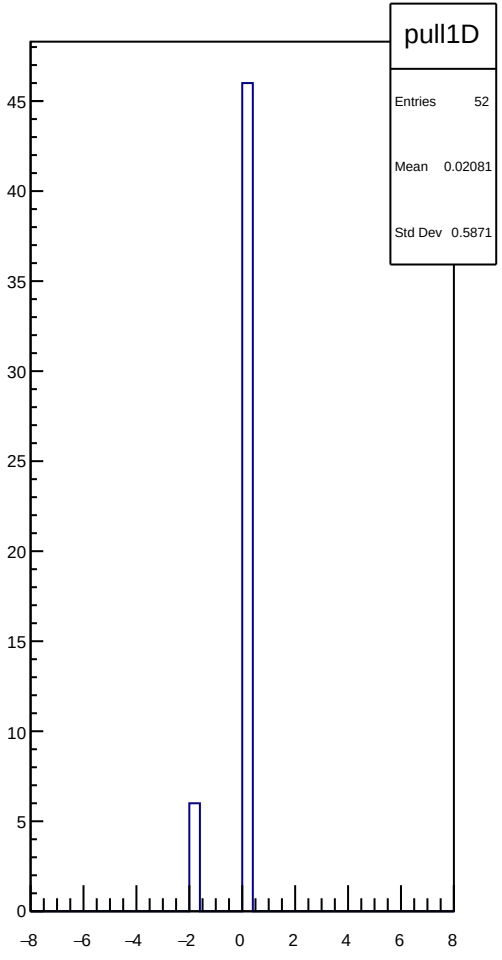

dit_atl2_4eX_slope vs run
χ² / ndf 67.21 / 51
p0 627.4 ± 0.5545
630
620
610
600
590
580
pull
Entries 52
Mean 63.36
Std Dev 25.93
0
−0.5
−1
−1.5
−2
−2.5
−3

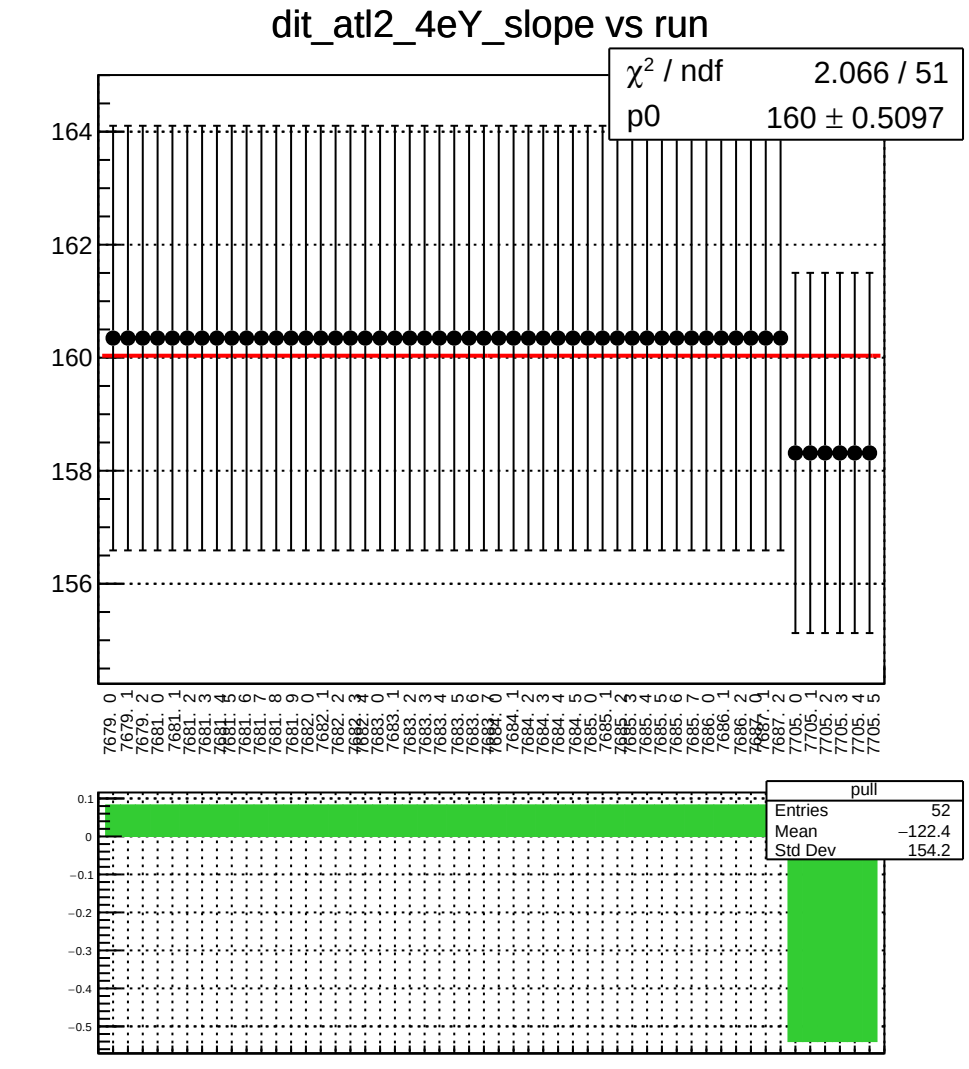

pull1D
Entries 52
Mean −0.2467
Std Dev 1.11
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

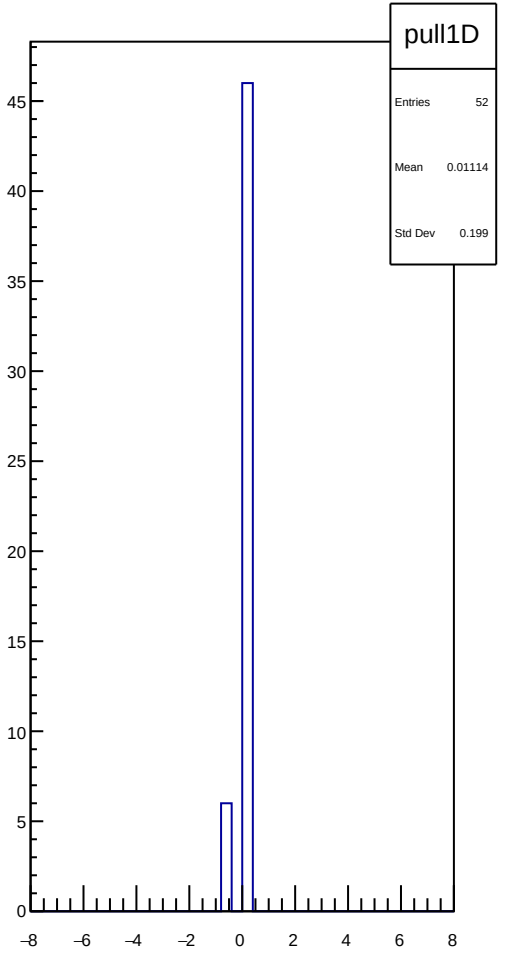

dit_atl2_11X12X_slope vs run
χ² / ndf 69.04 / 51
p0 −320.5 ± 0.2726
−300
−305
−310
−315
−320
pull
Entries 52
Mean 66.56
Std Dev 29.65
3.5
3
2.5
2
1.5
1
0.5
0

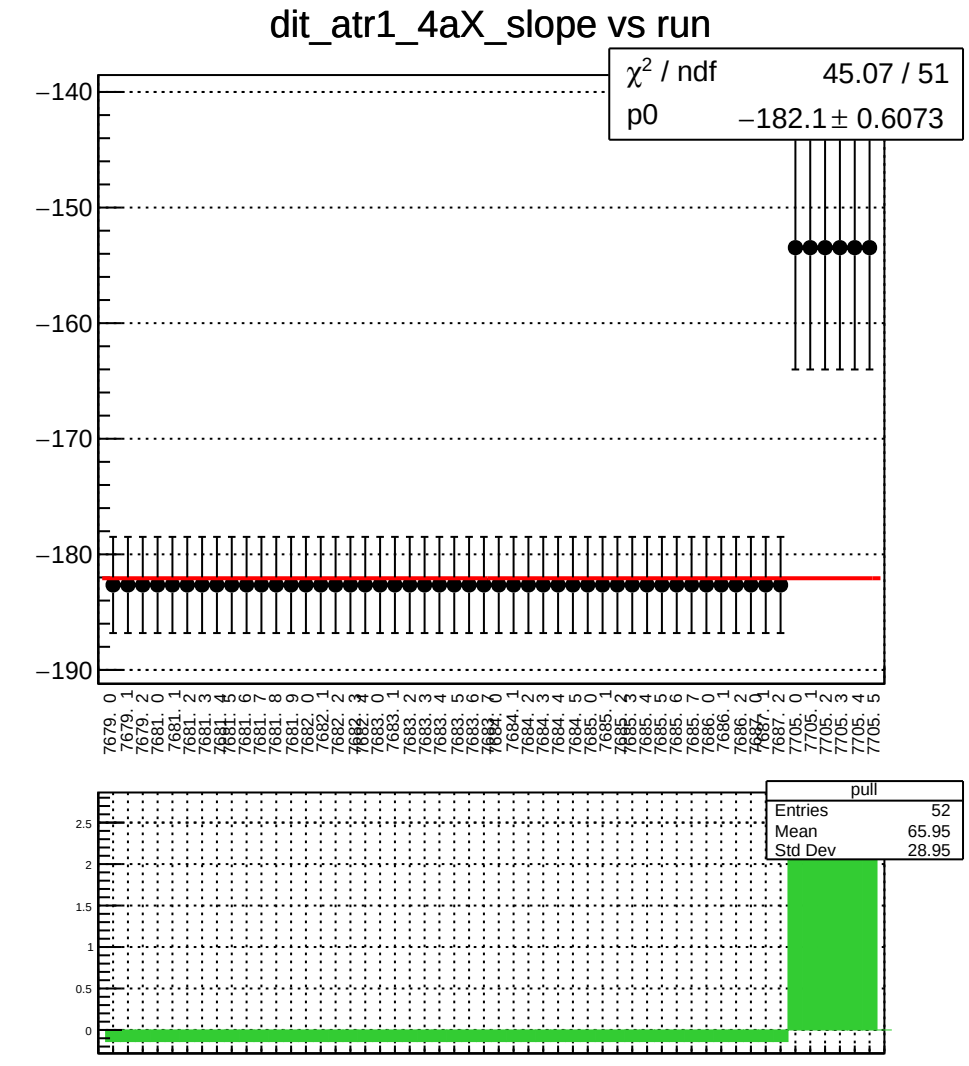

pull1D
Entries 52
Mean 0.2312
Std Dev 1.129
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

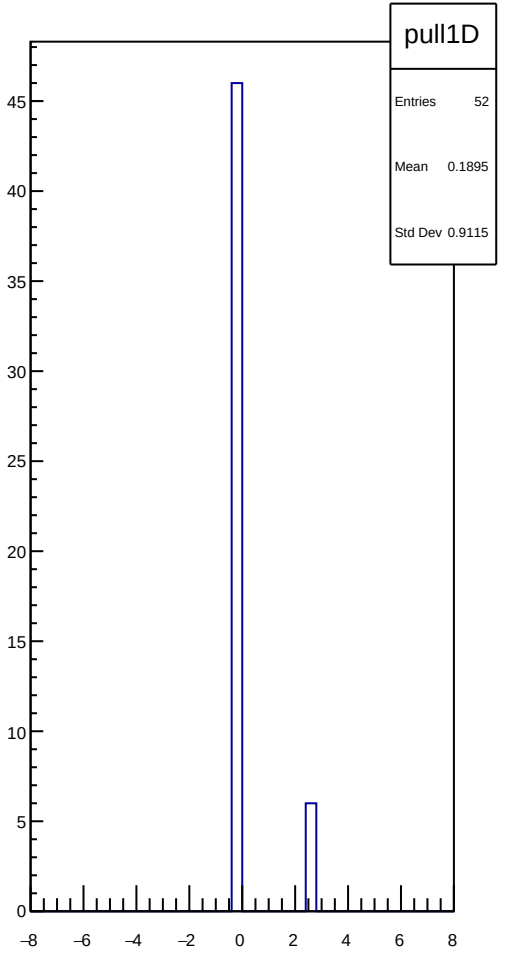

dit_atl2_4aY_slope vs run
χ² / ndf 17.95 / 51
p0 3.788 ± 0.5325
pull
Entries 52
Mean −208.3
Std Dev 240.5

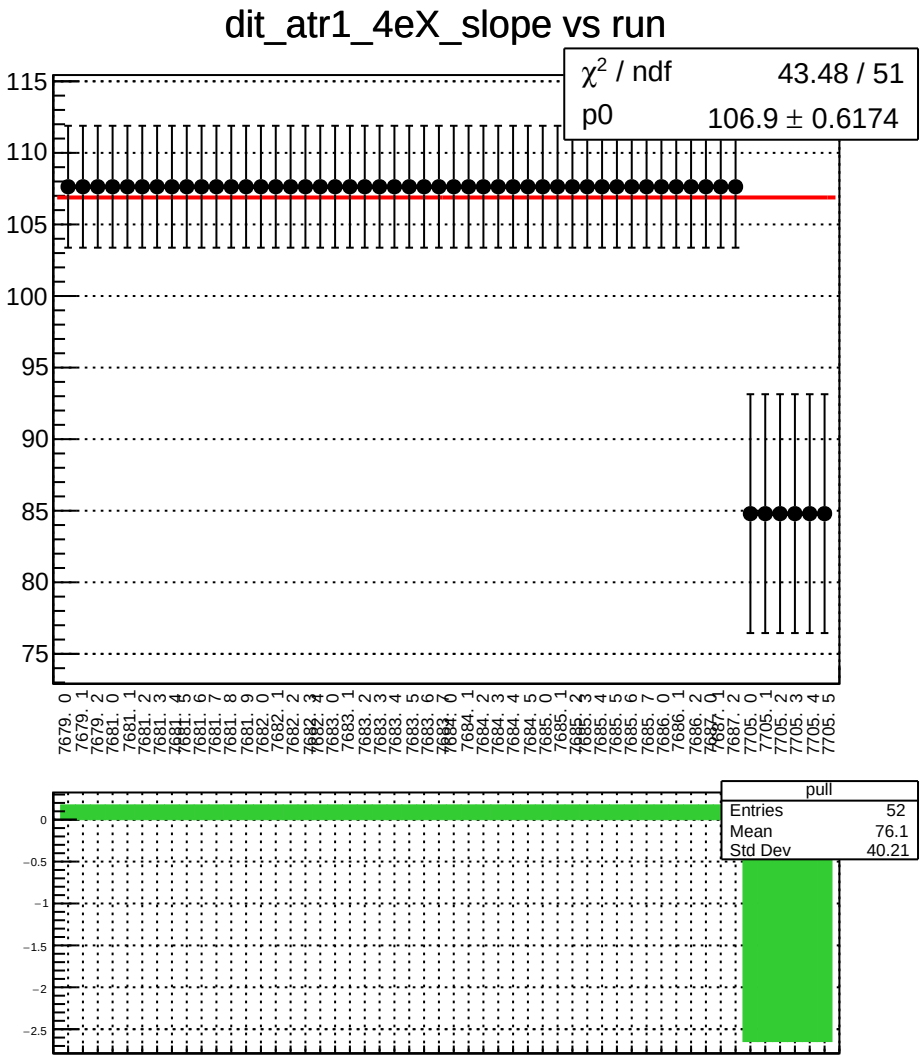

pull1D
Entries 52
Mean 0.02081
Std Dev 0.5871

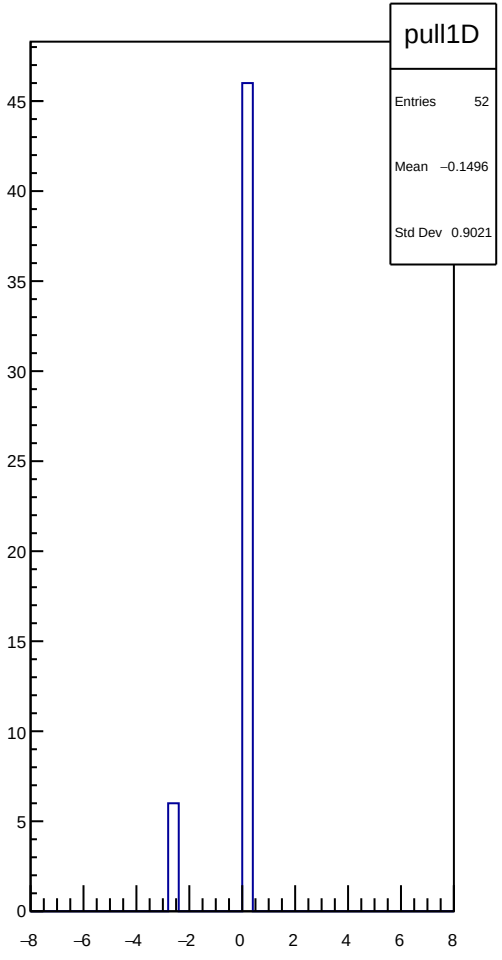

dit_atl2_4eY_slope vs run
χ^2 / ndf 2.066 / 51
p0 160 ± 0.5097
164
162
160
158
156
pull
Entries 52
Mean −122.4
Std Dev 154.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

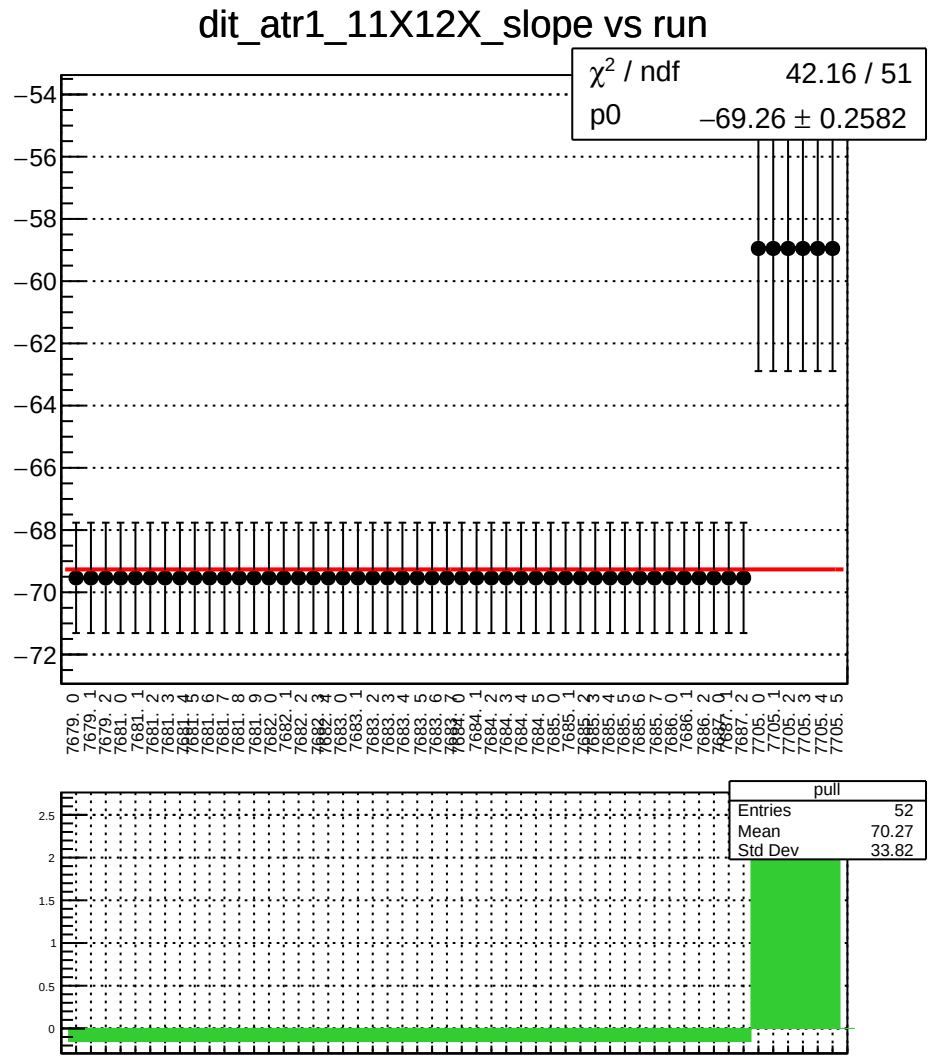

pull1D
Entries 52
Mean 0.01114
Std Dev 0.199
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

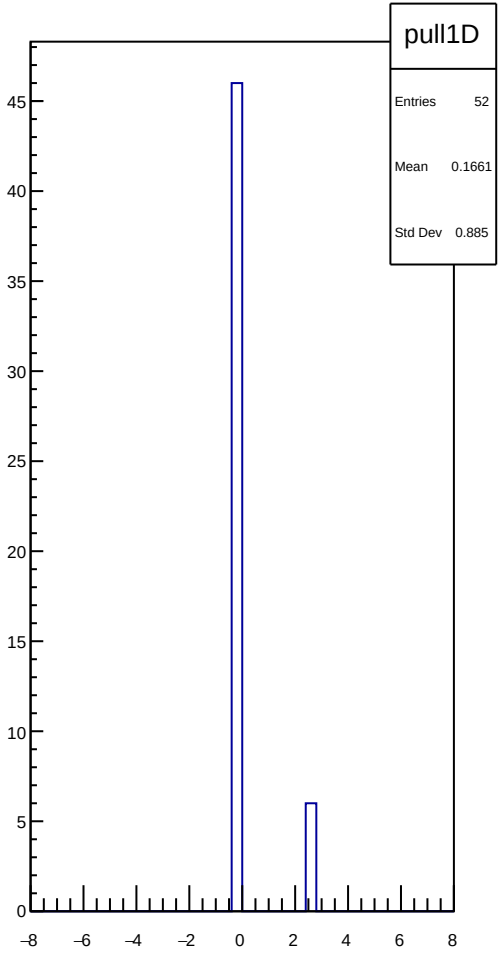

dit_atr1_4aX_slope vs run
χ² / ndf 45.07 / 51
p0 −182.1 ± 0.6073
pull
Entries 52
Mean 65.95
Std Dev 28.95

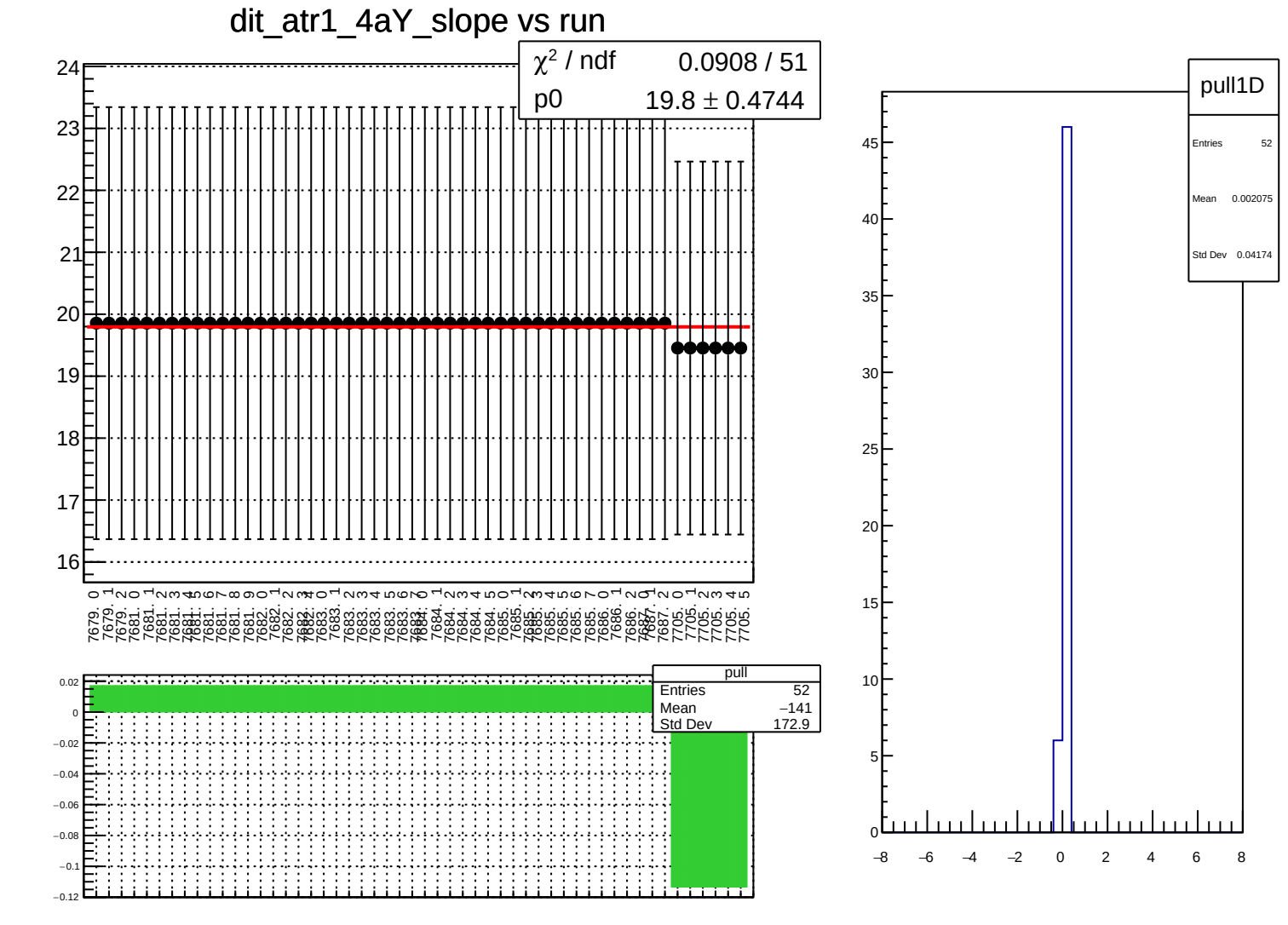

pull1D
Entries 52
Mean 0.1895
Std Dev 0.9115

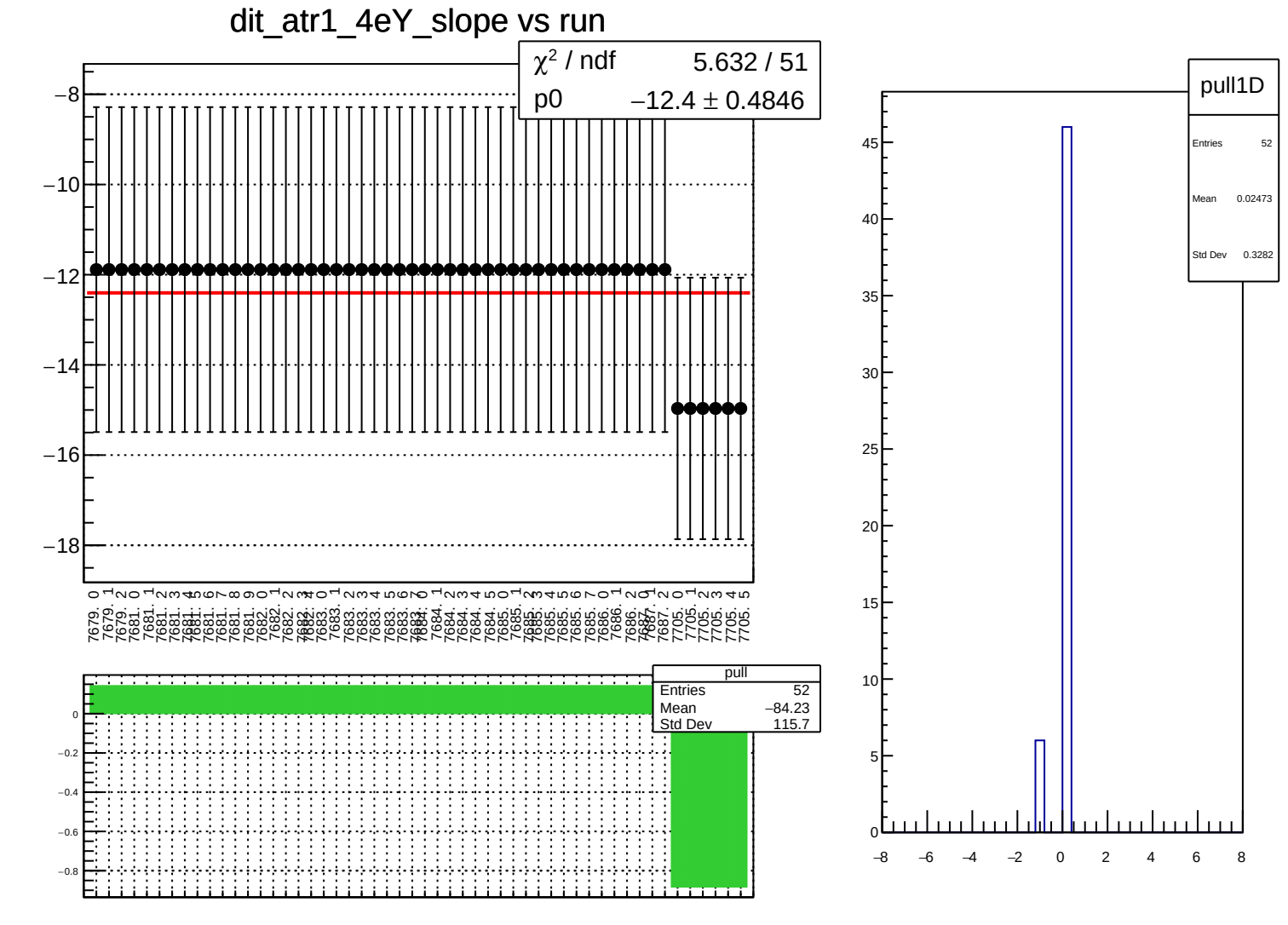

dit_atr1_4eX_slope vs run
χ^2 / ndf 43.48 / 51
p0 106.9 ± 0.6174
pull
Entries 52
Mean 76.1
Std Dev 40.21

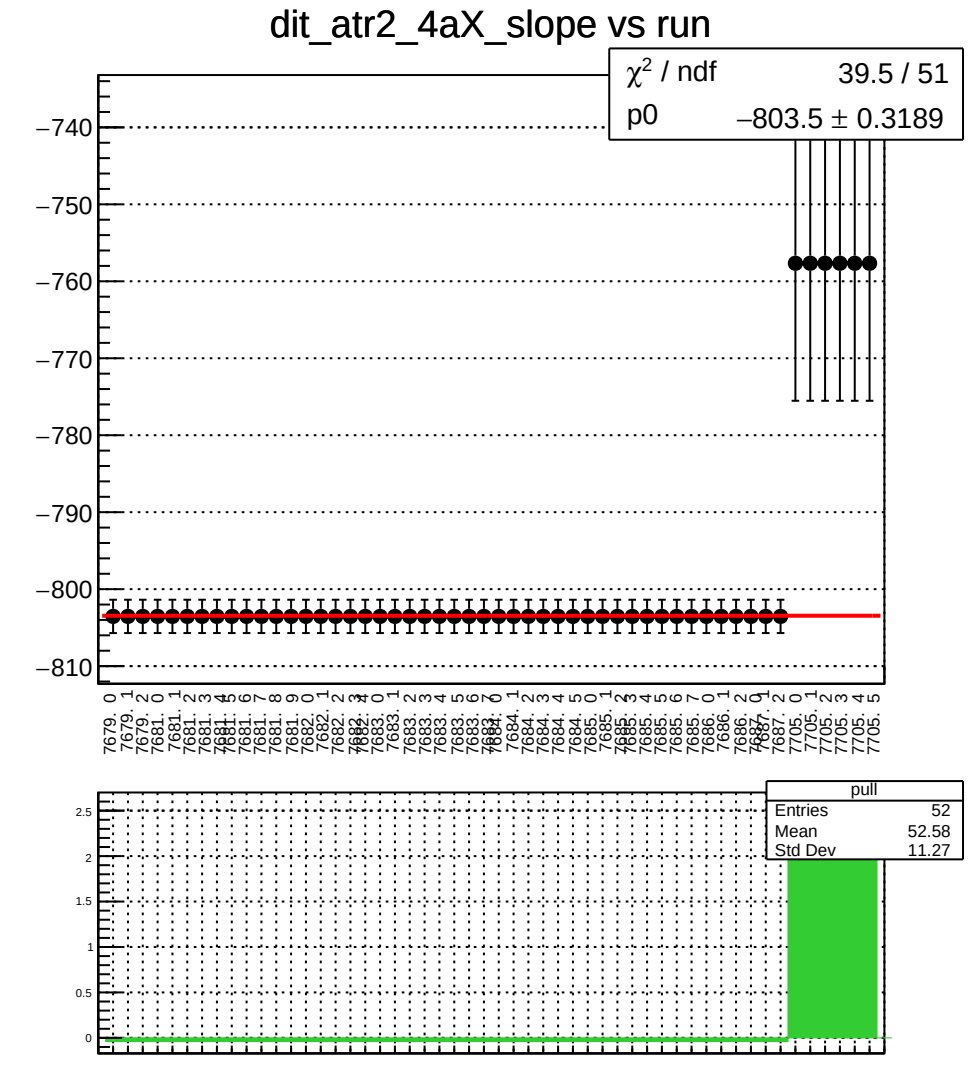

pull1D
Entries 52
Mean −0.1496
Std Dev 0.9021

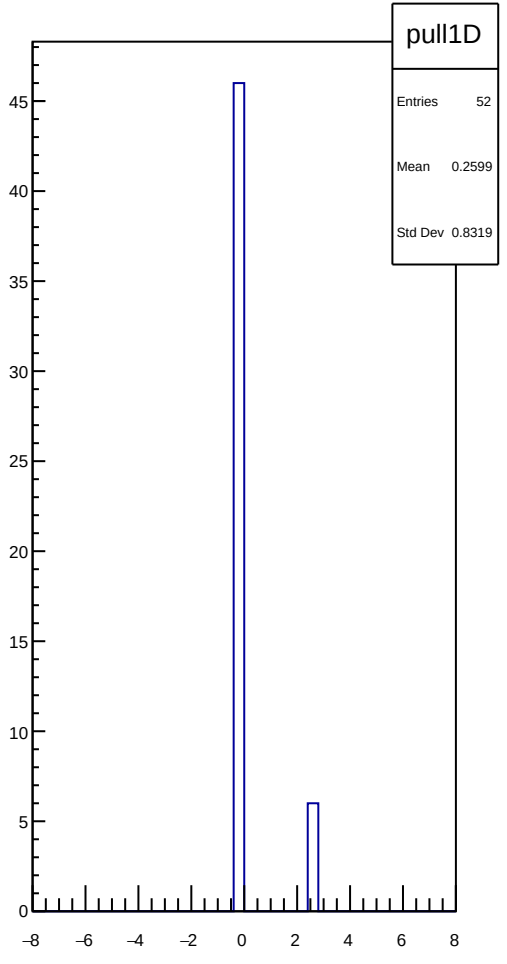

dit_atr1_11X12X_slope vs run
χ² / ndf 42.16 / 51
p0 −69.26 ± 0.2582
pull
Entries 52
Mean 70.27
Std Dev 33.82

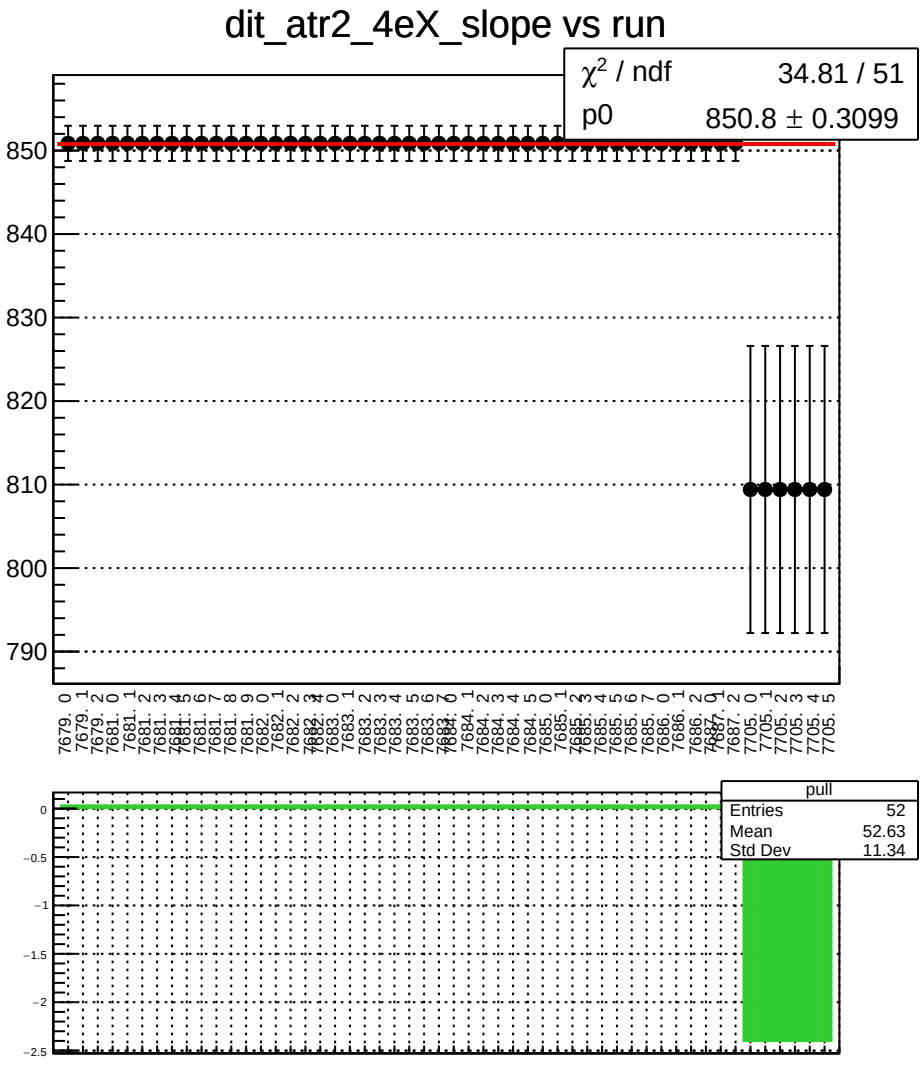

pull1D
Entries 52
Mean 0.1661
Std Dev 0.885

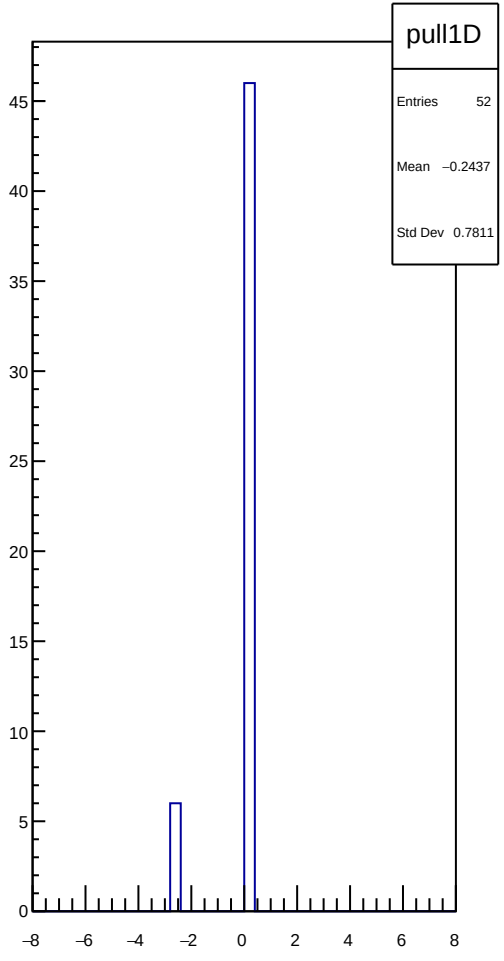

dit_atr1_4aY_slope vs run
χ² / ndf 0.0908 / 51
p0 19.8 ± 0.4744
pull
Entries 52
Mean −141
Std Dev 172.9
pull1D
Entries 52
Mean 0.002075
Std Dev 0.04174

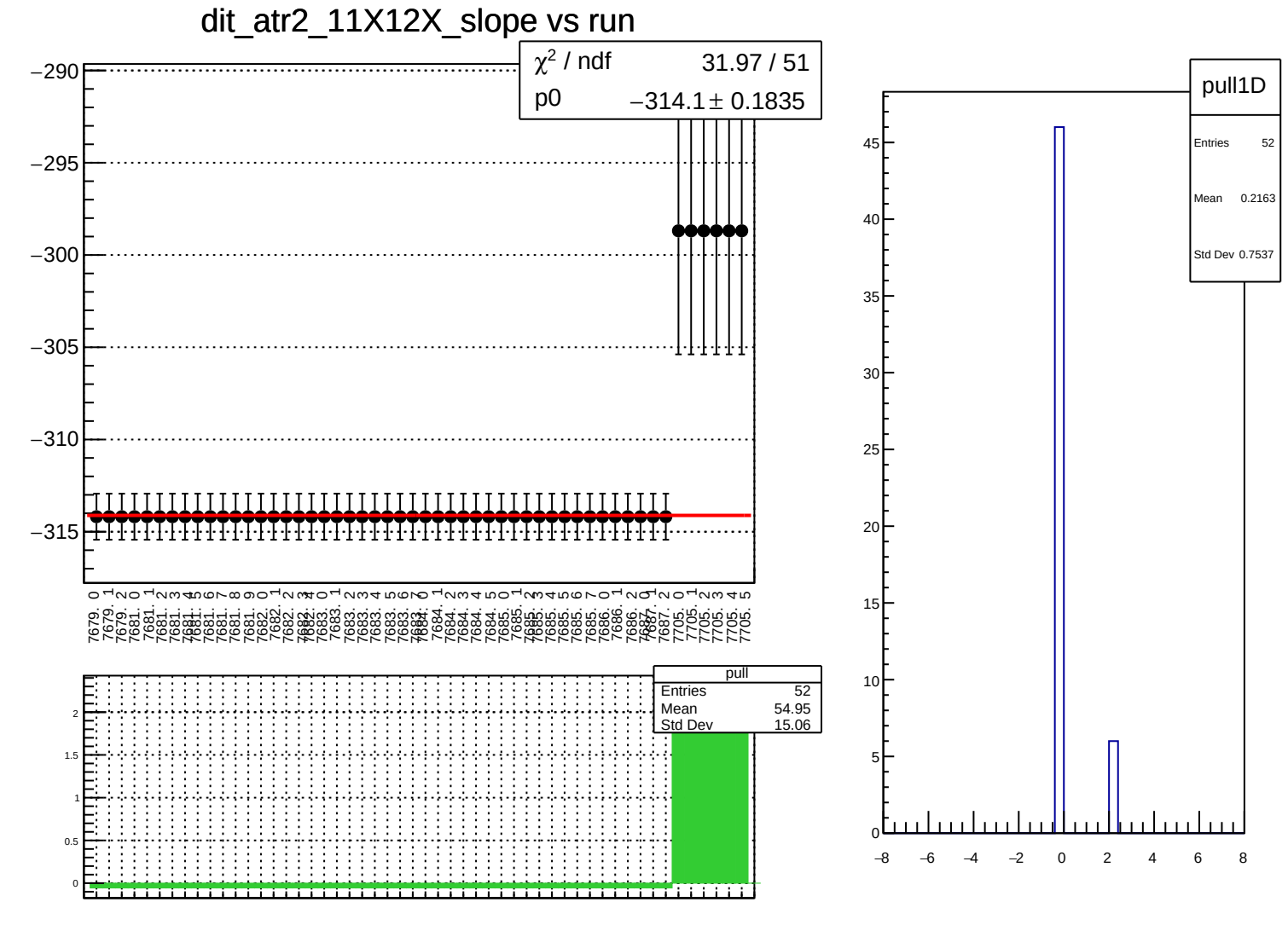

dit_atr1_4eY_slope vs run
χ² / ndf 5.632 / 51
p0 −12.4 ± 0.4846
−8
−10
−12
−14
−16
−18
pull
Entries 52
Mean −84.23
Std Dev 115.7
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 52
Mean 0.02473
Std Dev 0.3282
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

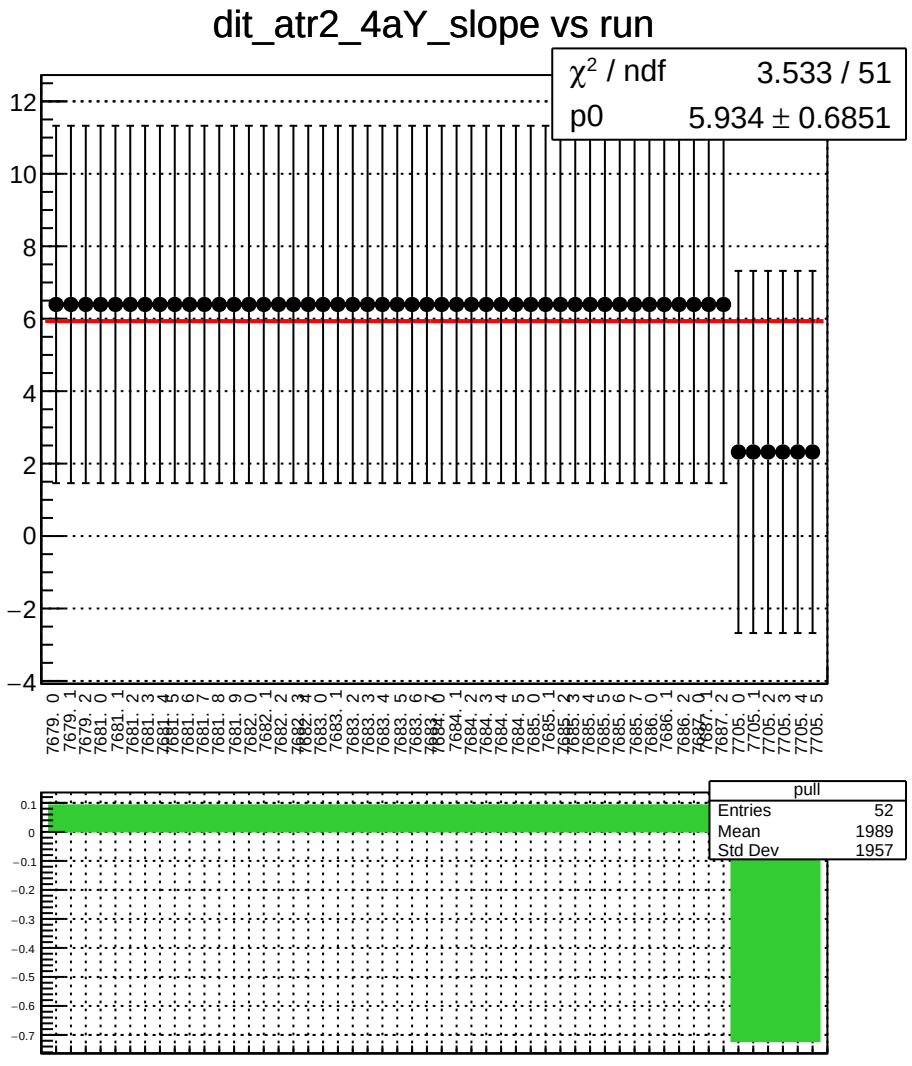

dit_atr2_4aX_slope vs run
χ² / ndf 39.5 / 51
p0 −803.5 ± 0.3189
pull
Entries 52
Mean 52.58
Std Dev 11.27

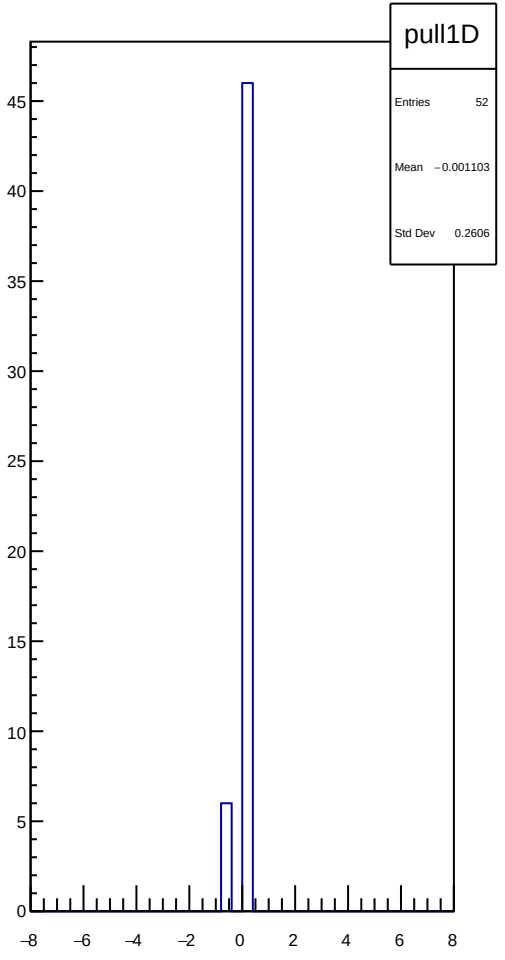

pull1D
Entries 52
Mean 0.2599
Std Dev 0.8319

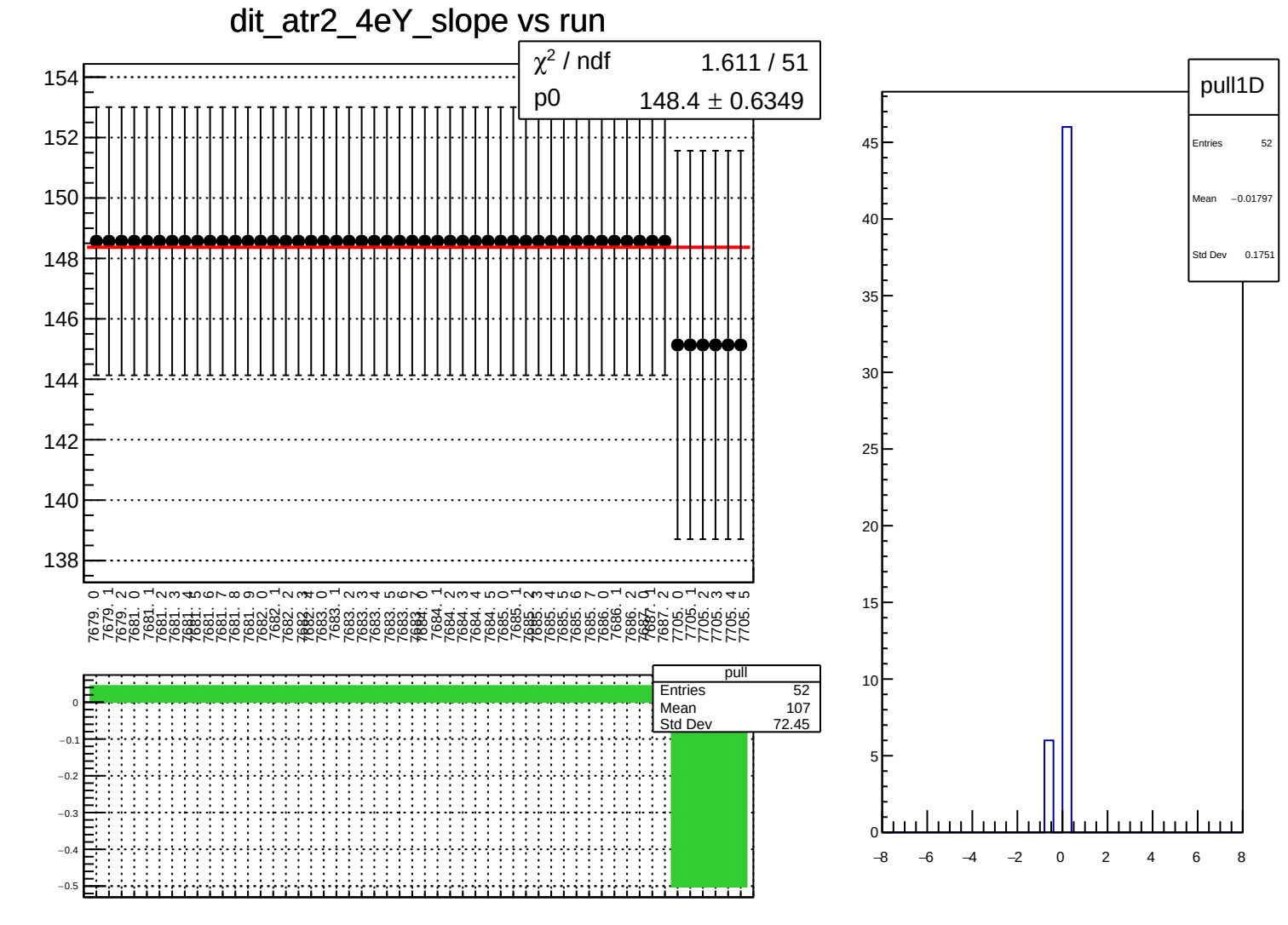

dit_atr2_4eX_slope vs run
χ² / ndf 34.81 / 51
p0 850.8 ± 0.3099
850
840
830
820
810
800
790
pull
Entries 52
Mean 52.63
Std Dev 11.34
0
−0.5
−1
−1.5
−2
−2.5

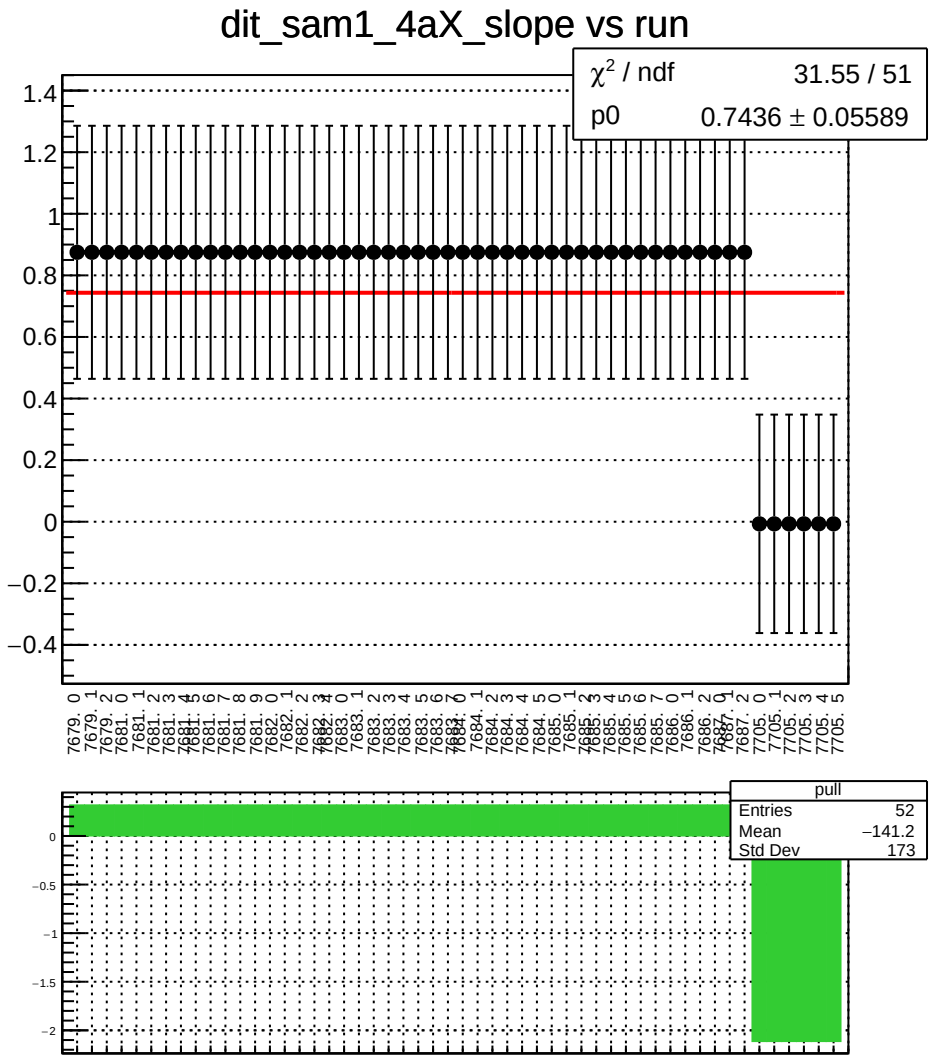

pull1D
Entries 52
Mean −0.2437
Std Dev 0.7811
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

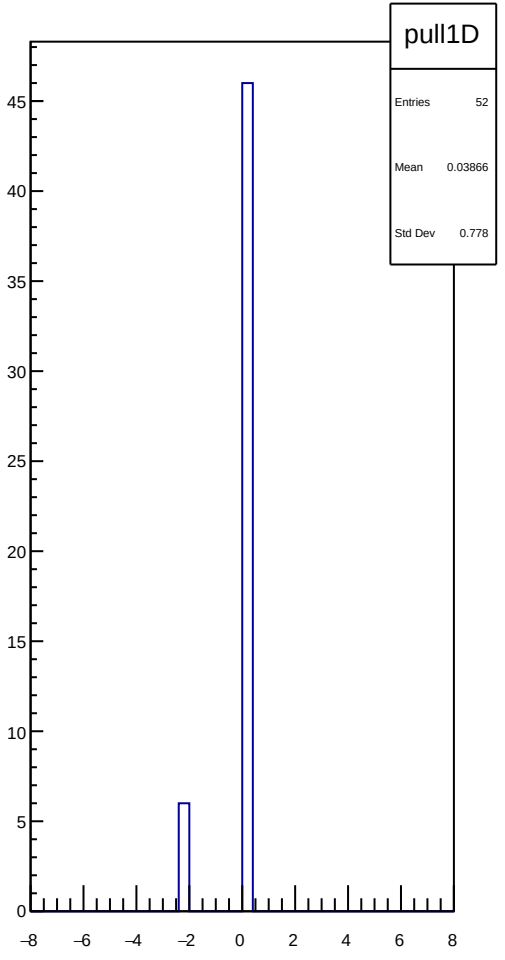

dit_atr2_11X12X_slope vs run
χ² / ndf 31.97 / 51
p0 −314.1 ± 0.1835
−290
−295
−300
−305
−310
−315
pull
Entries 52
Mean 54.95
Std Dev 15.06
pull1D
Entries 52
Mean 0.2163
Std Dev 0.7537

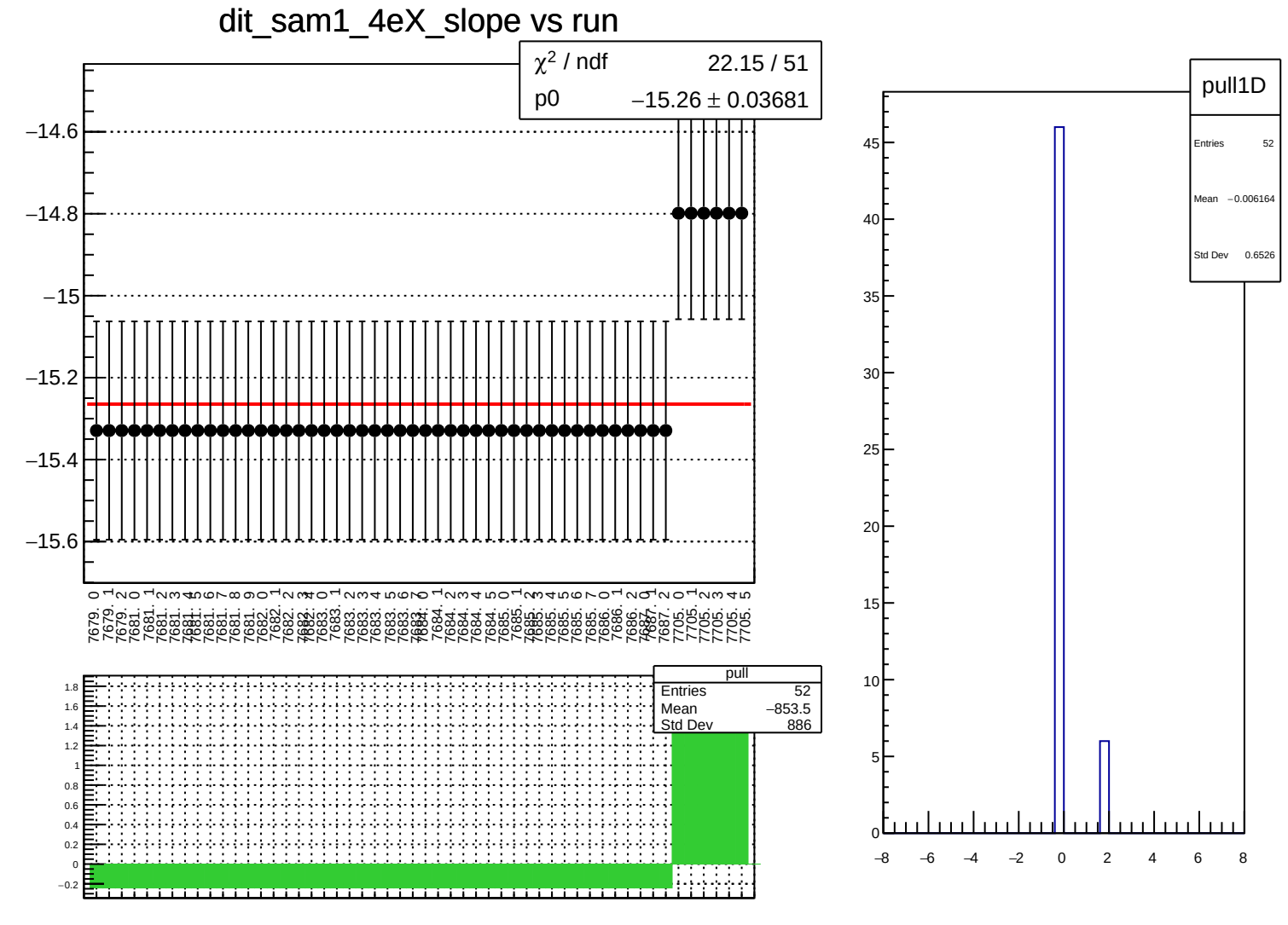

dit_atr2_4aY_slope vs run
χ² / ndf 3.533 / 51
p0 5.934 ± 0.6851
pull
Entries 52
Mean 1989
Std Dev 1957

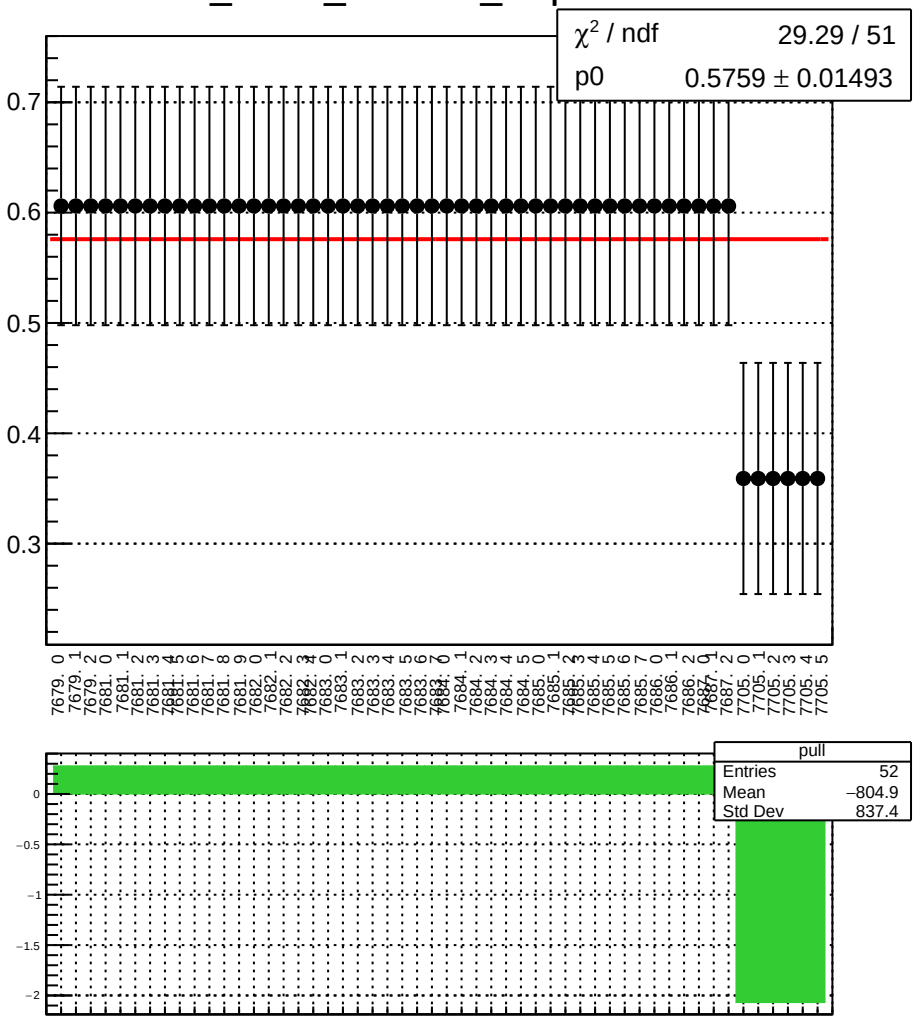

pull1D
Entries 52
Mean −0.001103
Std Dev 0.2606

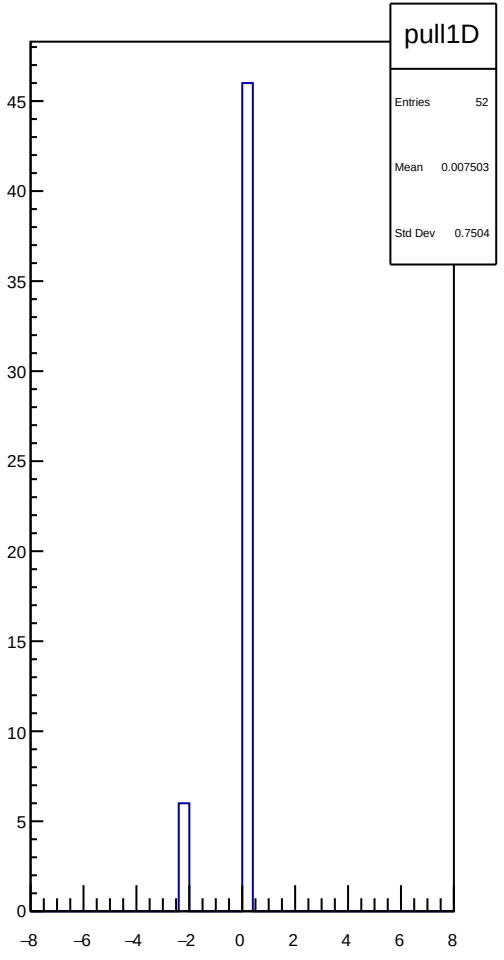

dit_atr2_4eY_slope vs run
χ² / ndf 1.611 / 51
p0 148.4 ± 0.6349
154
152
150
148
146
144
142
140
138
pull
Entries 52
Mean 107
Std Dev 72.45
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 52
Mean −0.01797
Std Dev 0.1751
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

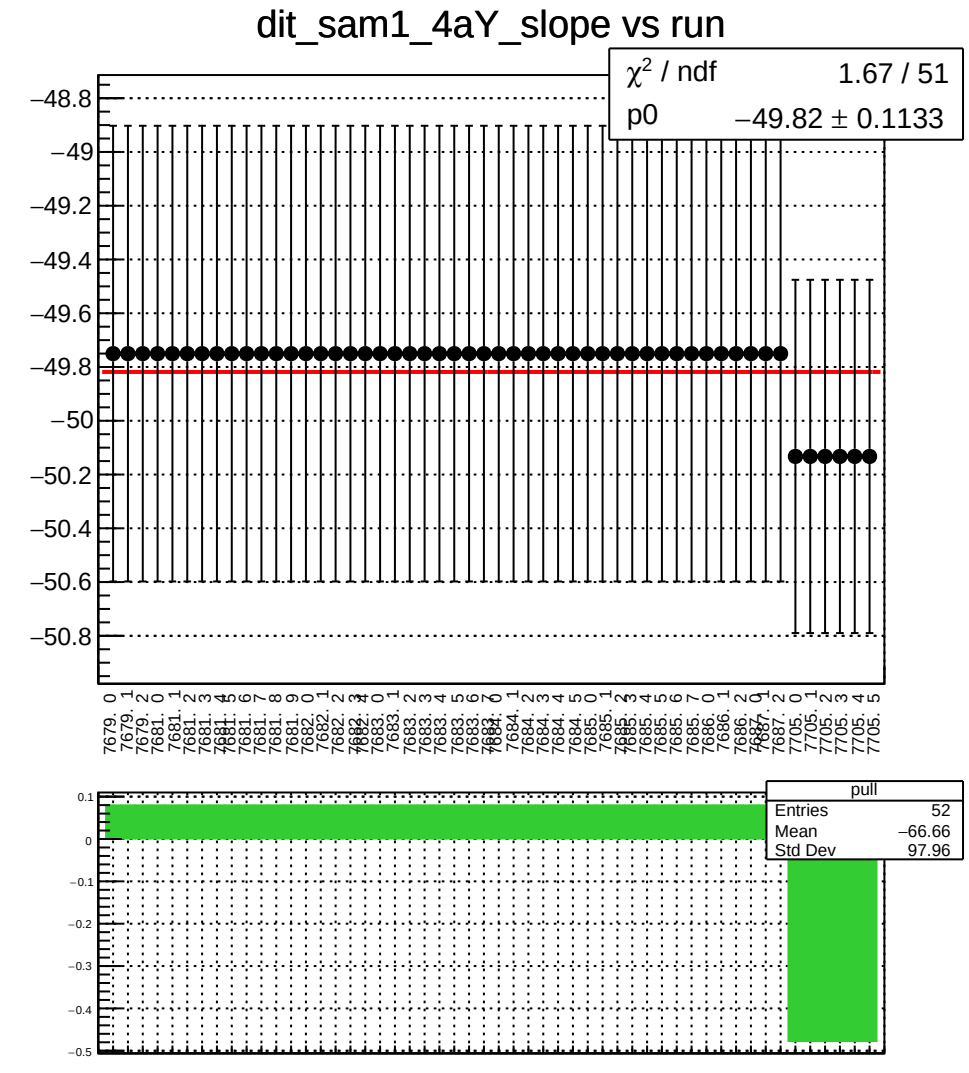

dit_sam1_4aX_slope vs run
χ² / ndf 31.55 / 51
p0 0.7436 ± 0.05589
pull
Entries 52
Mean −141.2
Std Dev 173

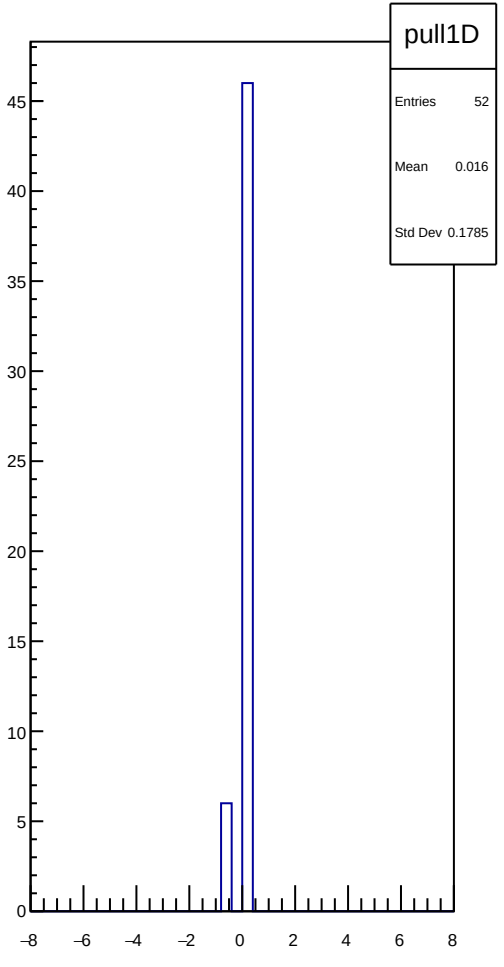

pull1D
Entries 52
Mean 0.03866
Std Dev 0.778

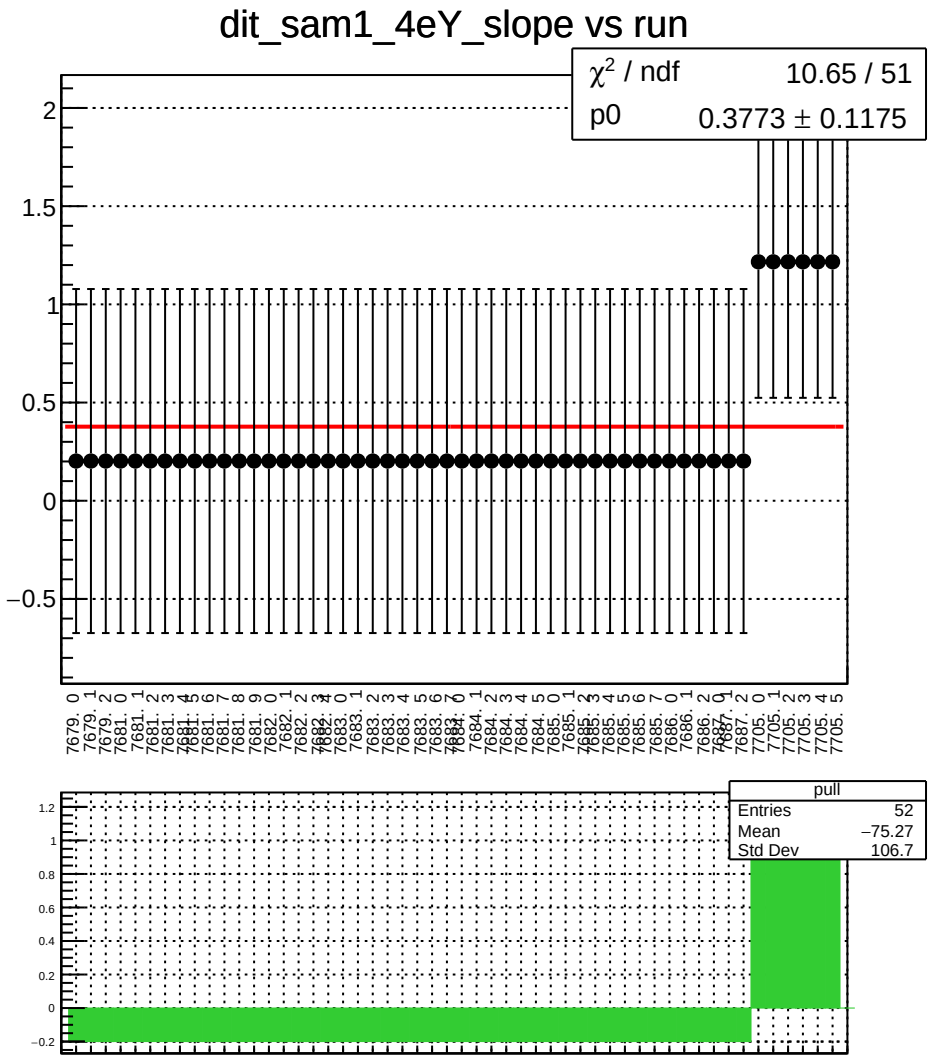

dit_sam1_4eX_slope vs run
χ² / ndf 22.15 / 51
p0 −15.26 ± 0.03681
−14.6
−14.8
−15
−15.2
−15.4
−15.6
pull
Entries 52
Mean −853.5
Std Dev 886
pull1D
Entries 52
Mean −0.006164
Std Dev 0.6526

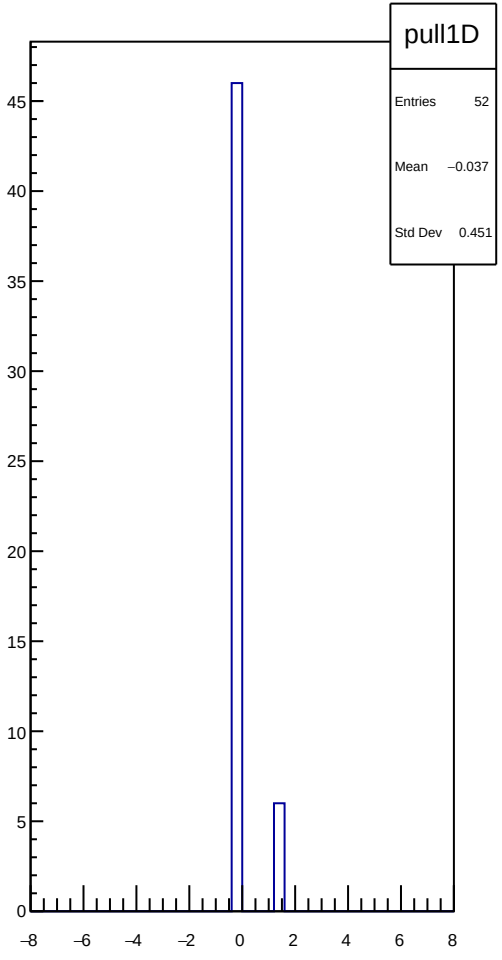

dit_sam1_11X12X_slope vs run
χ² / ndf 29.29 / 51
p0 0.5759 ± 0.01493
0.7
0.6
0.5
0.4
0.3
pull
Entries 52
Mean −804.9
Std Dev 837.4
0
−0.5
−1
−1.5
−2

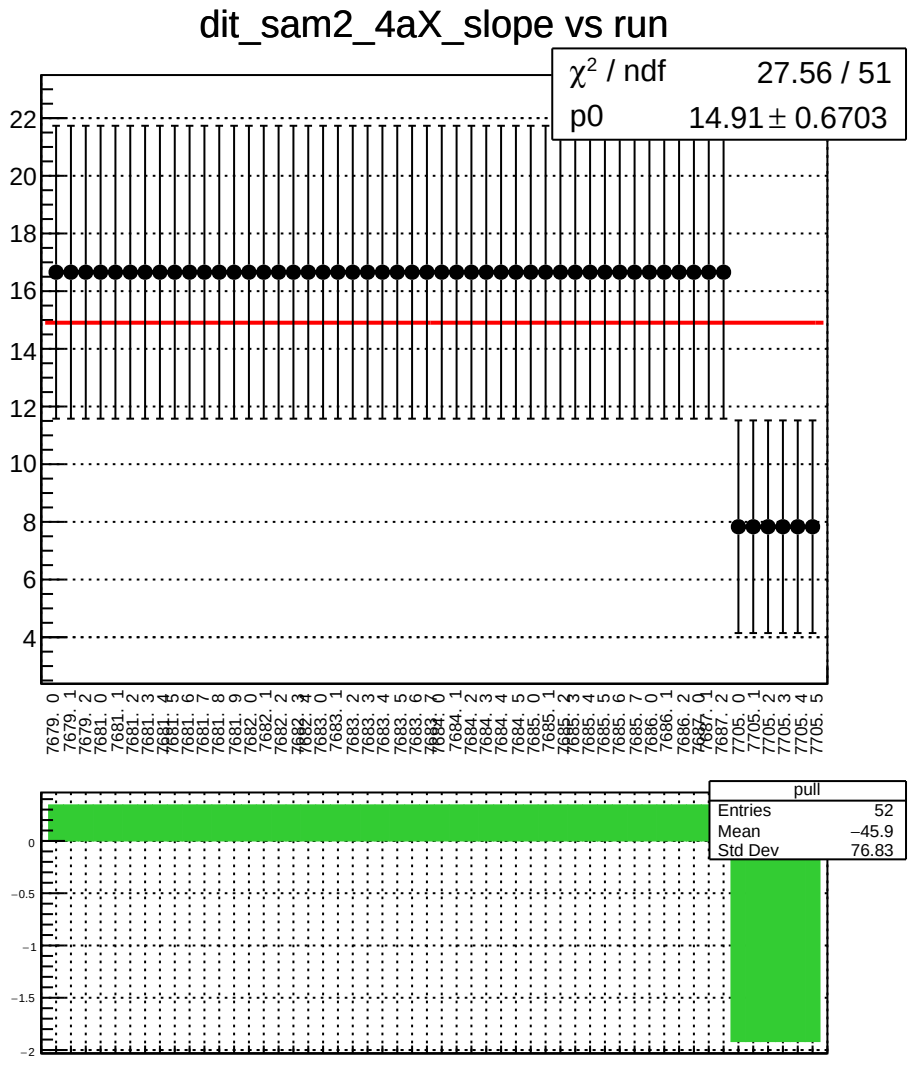

pull1D
Entries 52
Mean 0.007503
Std Dev 0.7504
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

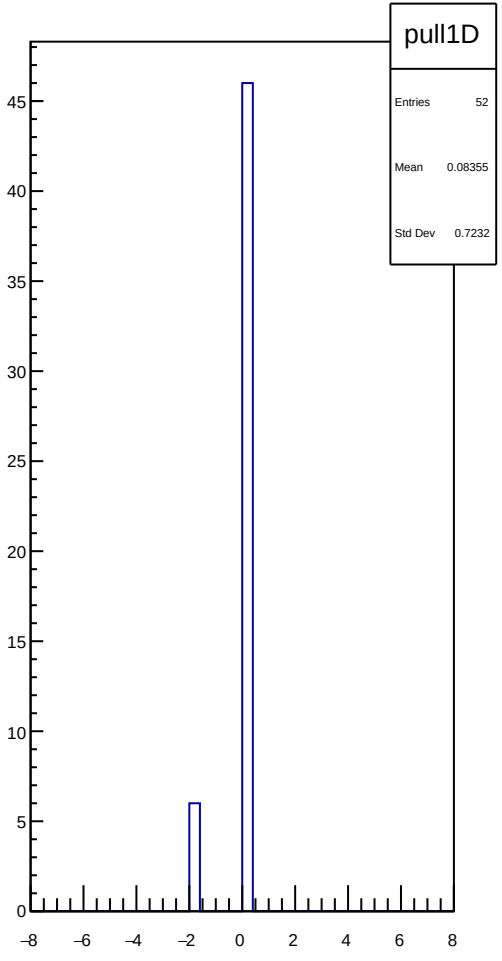

dit_sam1_4aY_slope vs run
χ² / ndf 1.67 / 51
p0 −49.82 ± 0.1133
pull
Entries 52
Mean −66.66
Std Dev 97.96

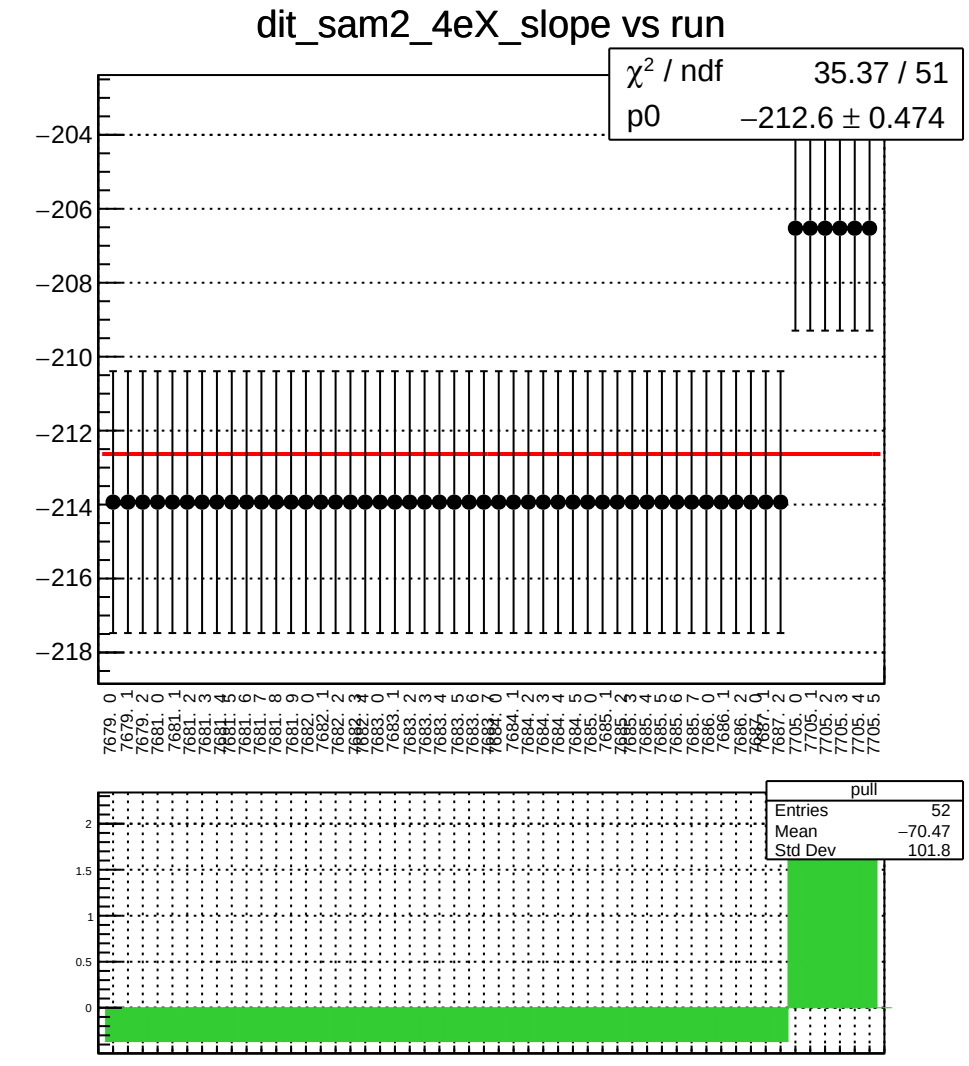

pull1D
Entries 52
Mean 0.016
Std Dev 0.1785

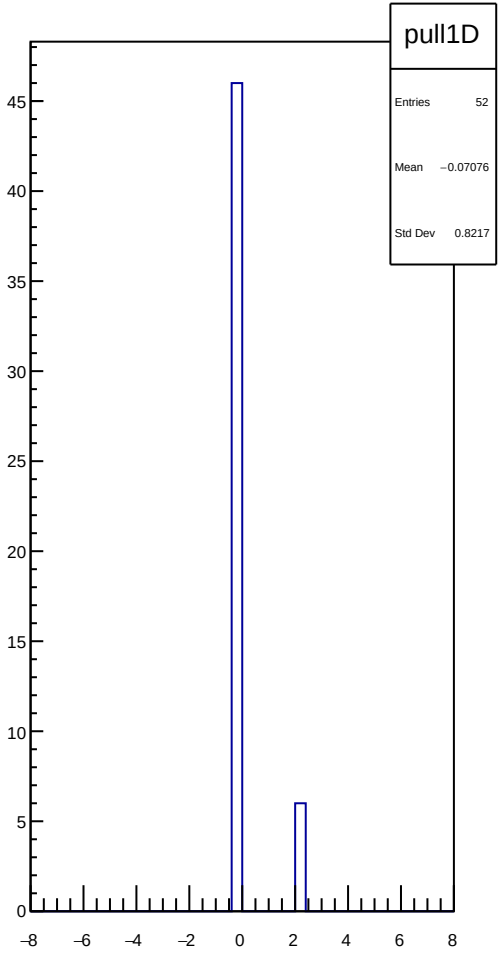

dit_sam1_4eY_slope vs run
χ² / ndf 10.65 / 51
p0 0.3773 ± 0.1175
pull
Entries 52
Mean −75.27
Std Dev 106.7

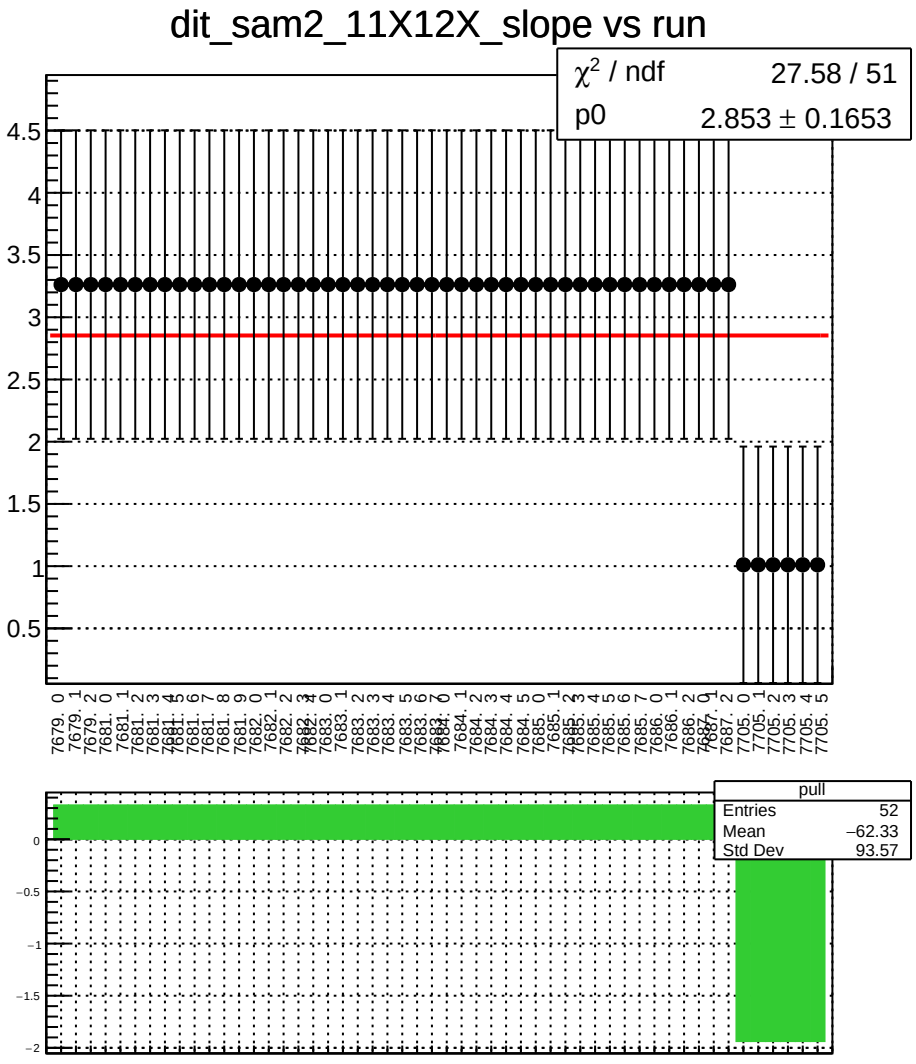

pull1D
Entries 52
Mean −0.037
Std Dev 0.451

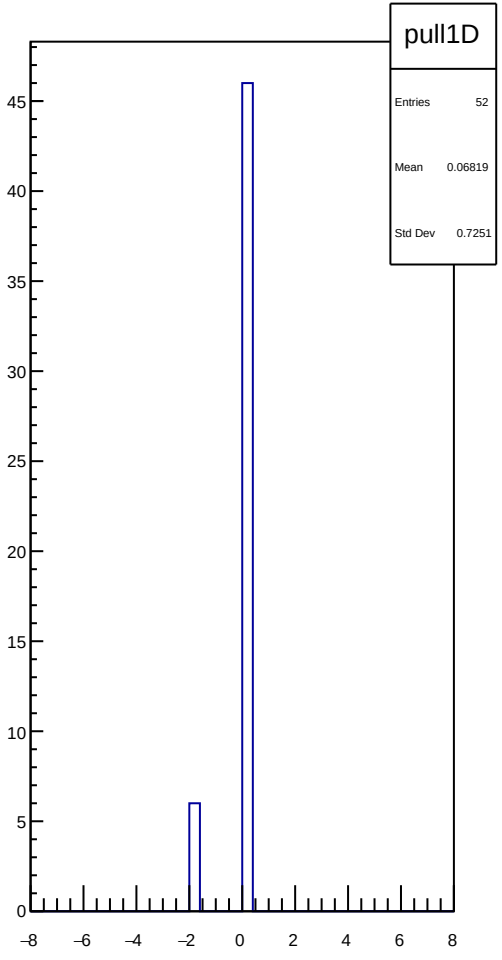

dit_sam2_4aX_slope vs run
χ² / ndf 27.56 / 51
p0 14.91 ± 0.6703
pull
Entries 52
Mean −45.9
Std Dev 76.83

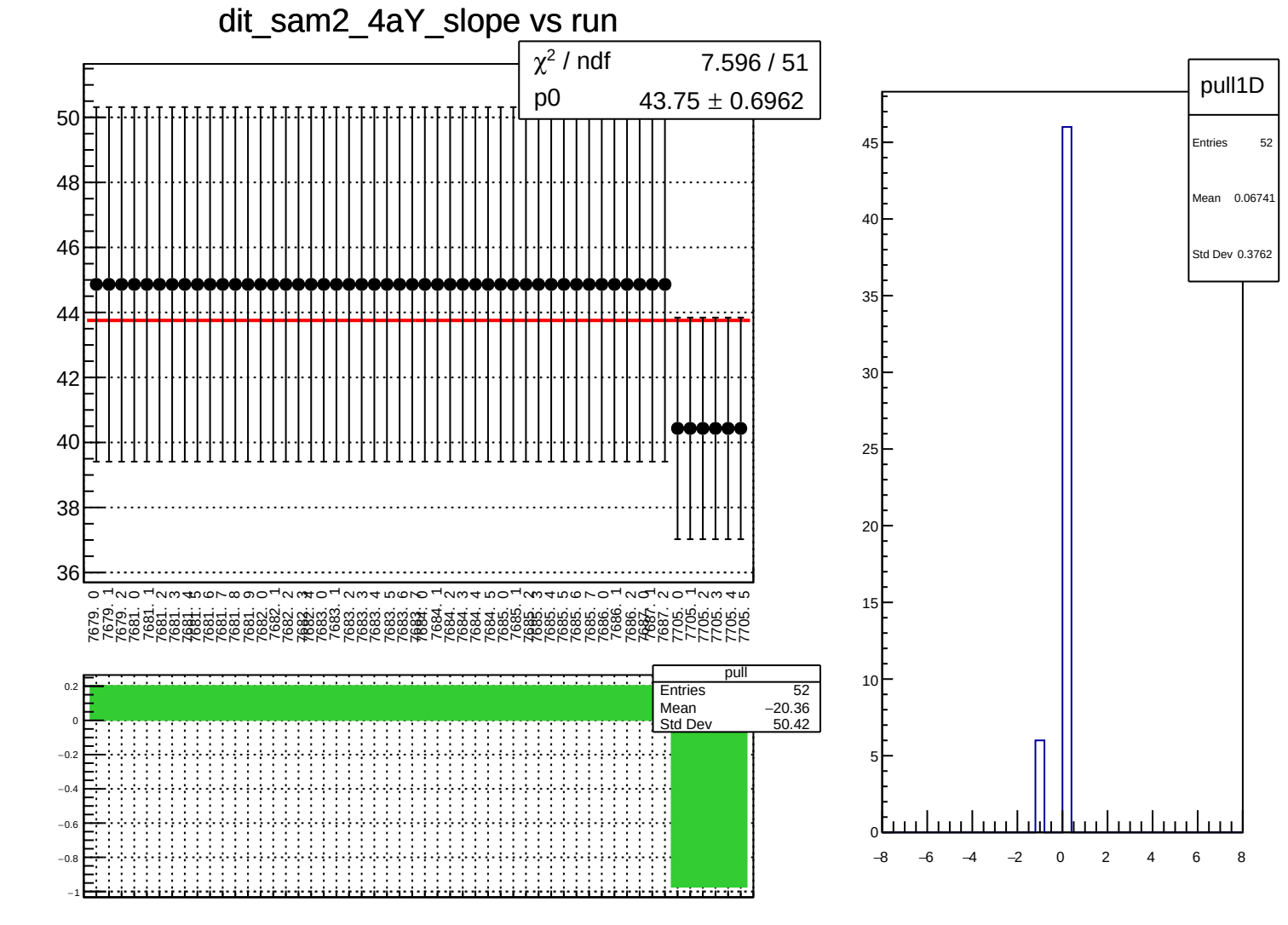

pull1D
Entries 52
Mean 0.08355
Std Dev 0.7232

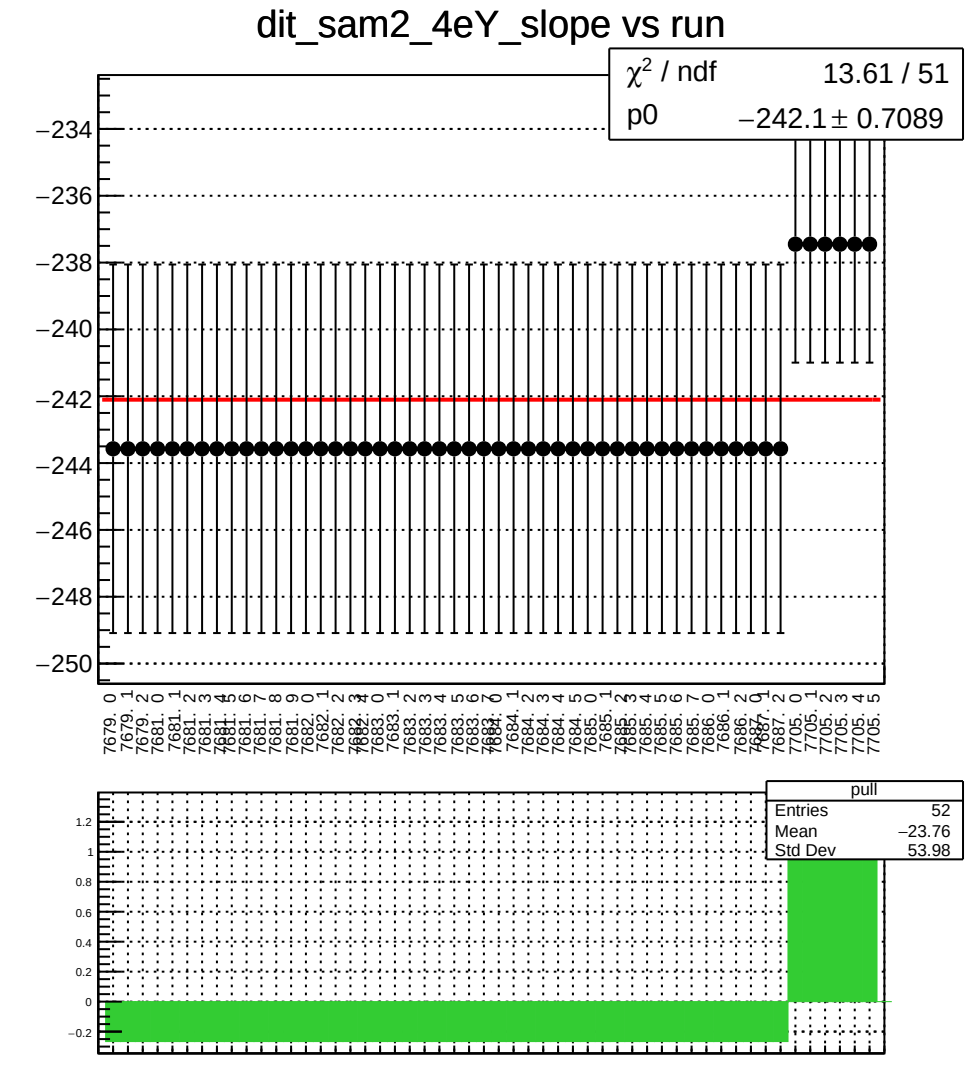

dit_sam2_4eX_slope vs run
χ² / ndf 35.37 / 51
p0 −212.6 ± 0.474
pull
Entries 52
Mean −70.47
Std Dev 101.8

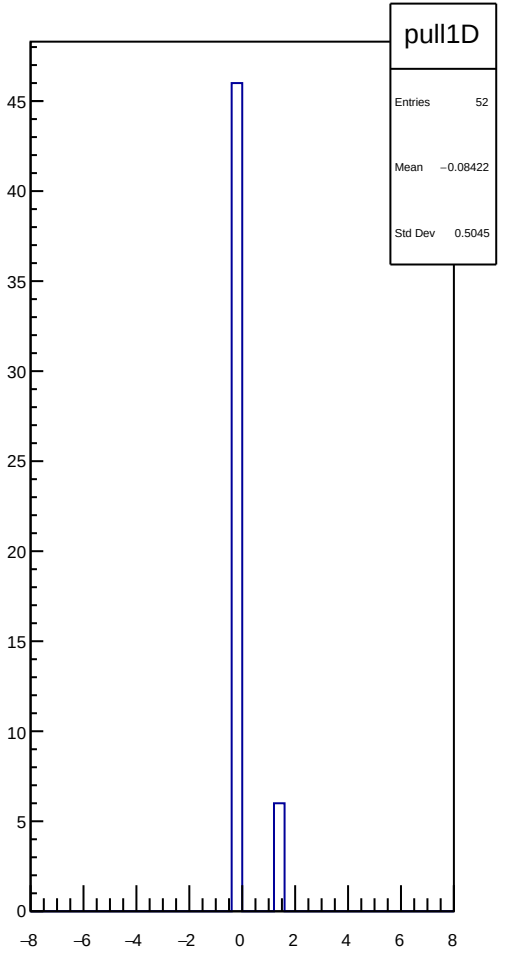

pull1D
Entries 52
Mean −0.07076
Std Dev 0.8217

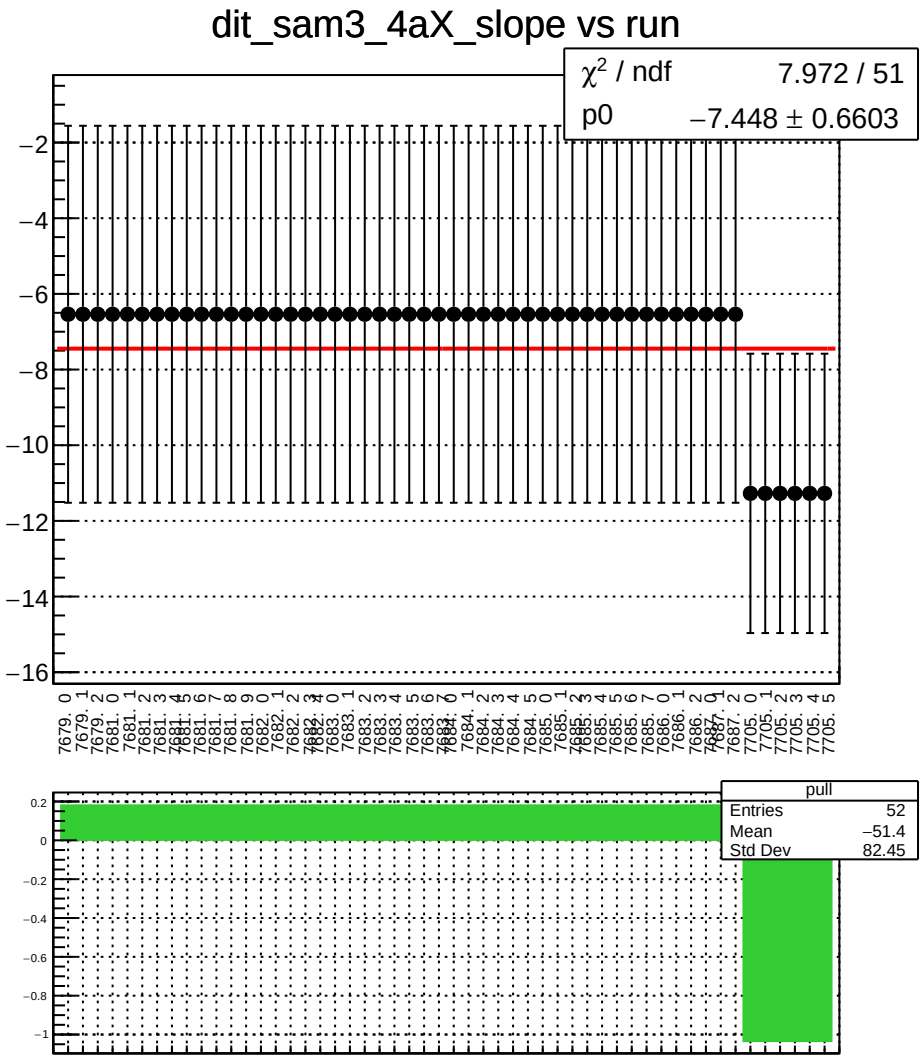

dit_sam2_11X12X_slope vs run
χ² / ndf 27.58 / 51
p0 2.853 ± 0.1653
pull
Entries 52
Mean −62.33
Std Dev 93.57

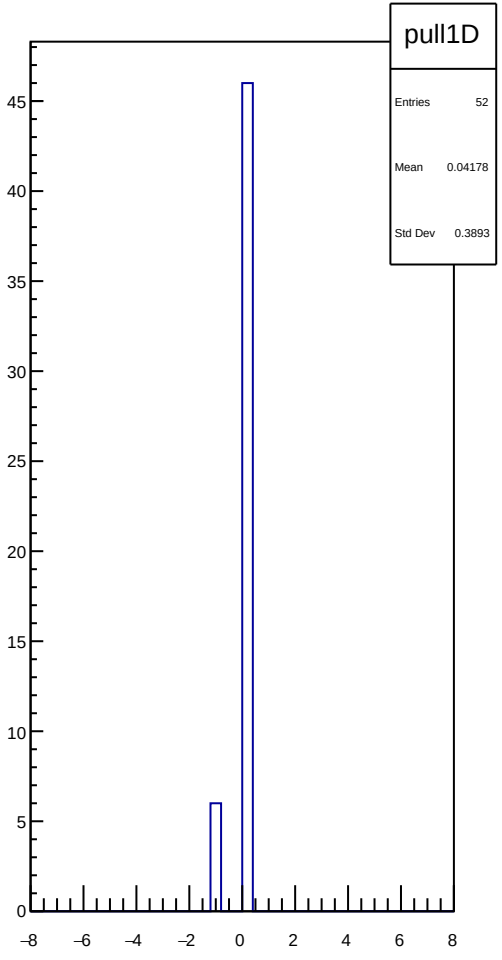

pull1D
Entries 52
Mean 0.06819
Std Dev 0.7251

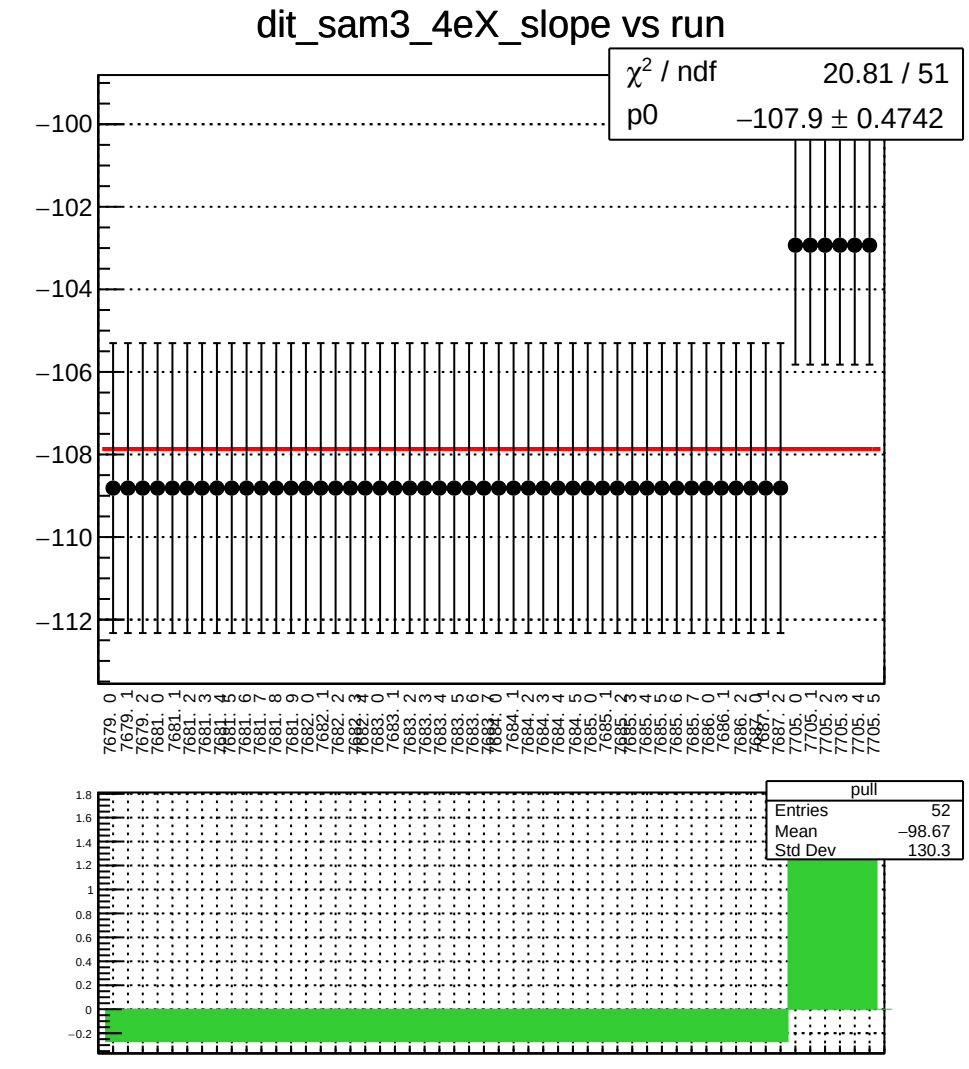

dit_sam2_4aY_slope vs run
χ² / ndf 7.596 / 51
p0 43.75 ± 0.6962
pull
Entries 52
Mean −20.36
Std Dev 50.42
pull1D
Entries 52
Mean 0.06741
Std Dev 0.3762

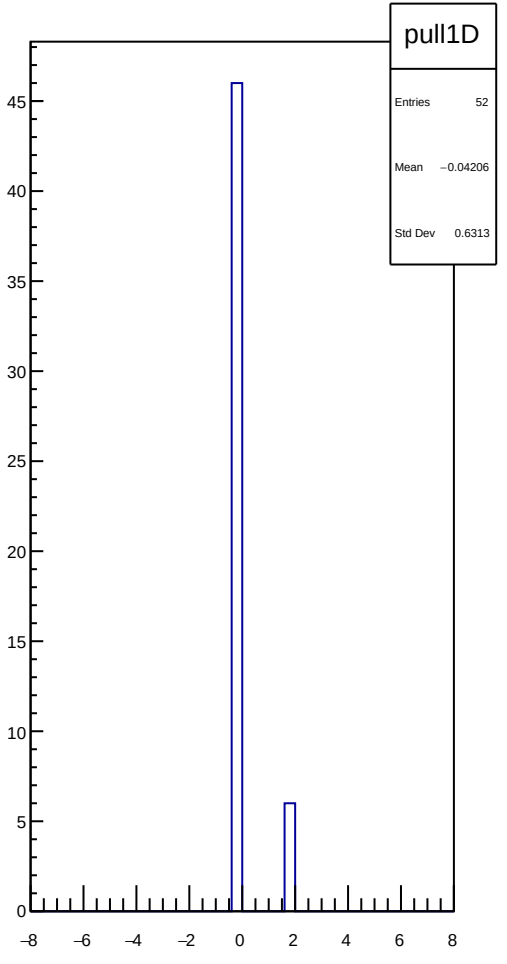

dit_sam2_4eY_slope vs run
χ² / ndf 13.61 / 51
p0 −242.1 ± 0.7089
−234
−236
−238
−240
−242
−244
−246
−248
−250
pull
Entries 52
Mean −23.76
Std Dev 53.98
1.2
1
0.8
0.6
0.4
0.2
0
−0.2

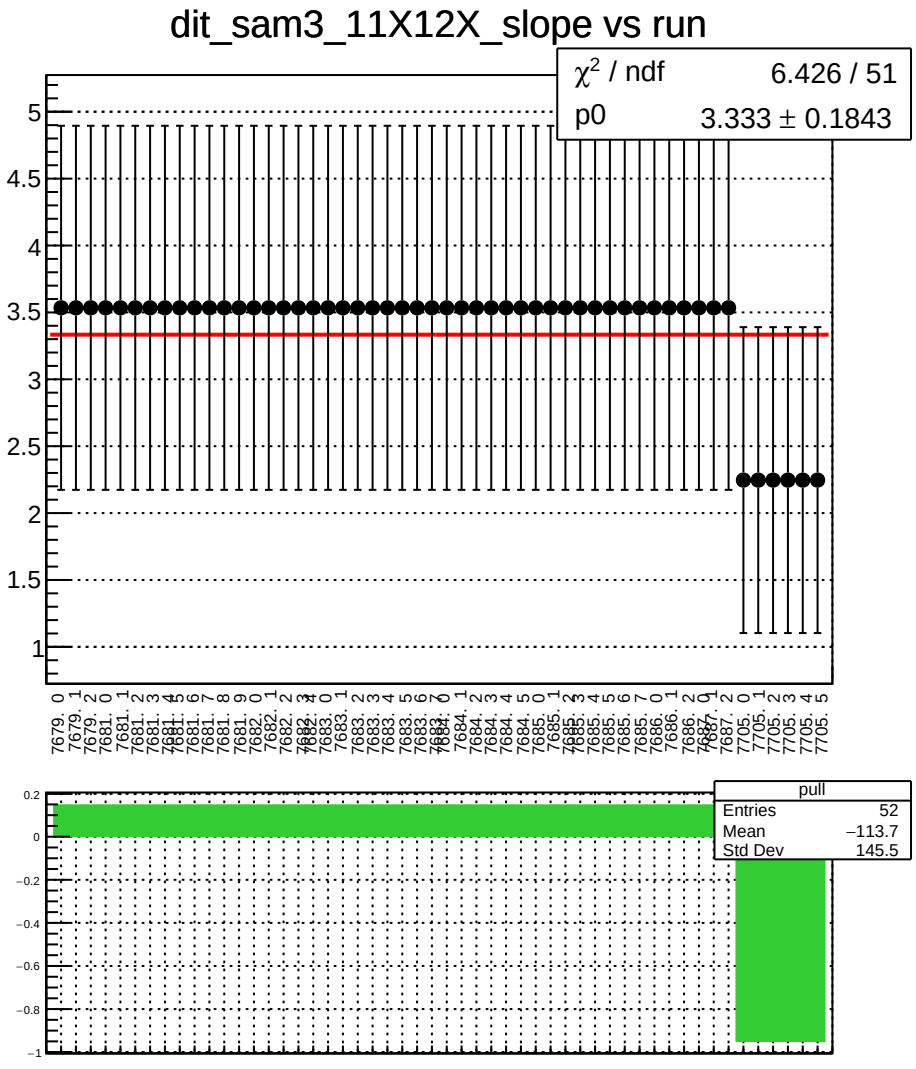

pull1D
Entries 52
Mean −0.08422
Std Dev 0.5045
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

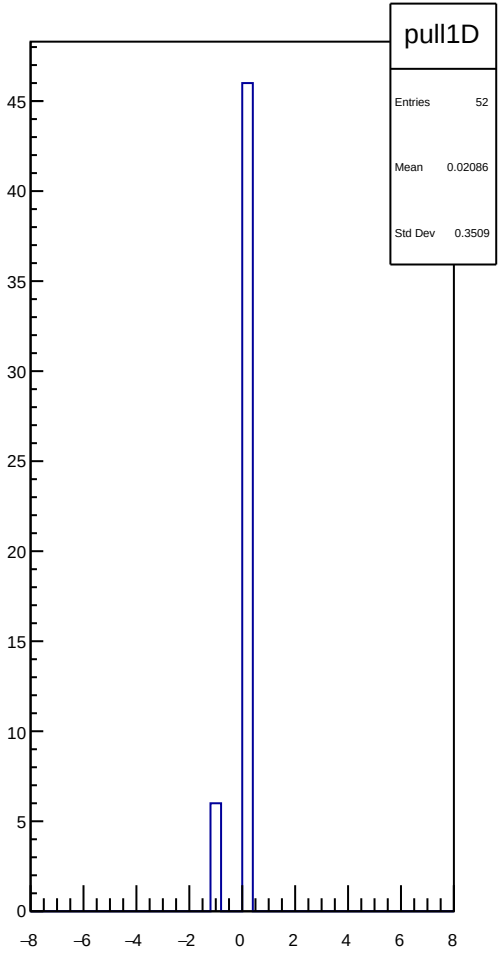

dit_sam3_4aX_slope vs run
χ² / ndf 7.972 / 51
p0 −7.448 ± 0.6603
pull
Entries 52
Mean −51.4
Std Dev 82.45

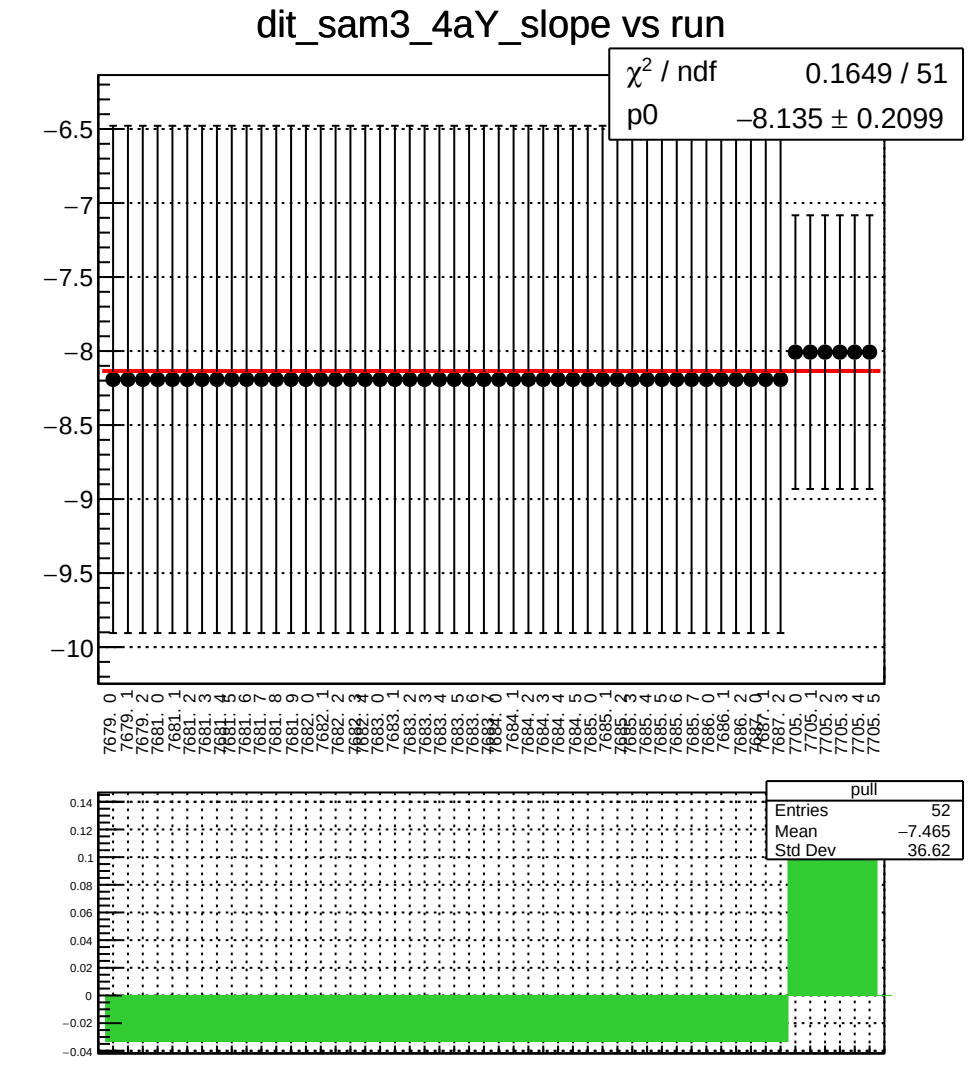

pull1D
Entries 52
Mean 0.04178
Std Dev 0.3893

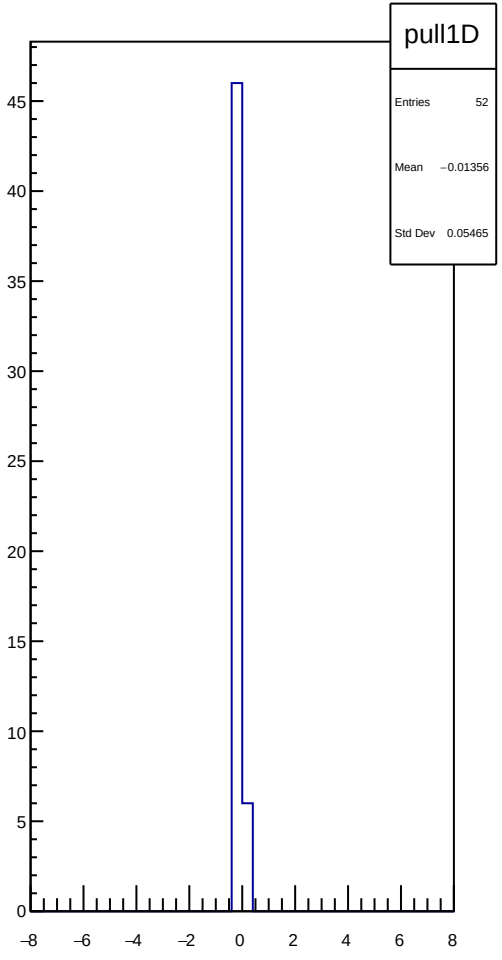

dit_sam3_4eX_slope vs run
χ^2 / ndf 20.81 / 51
p0 −107.9 ± 0.4742
−100
−102
−104
−106
−108
−110
−112
pull
Entries 52
Mean −98.67
Std Dev 130.3
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2

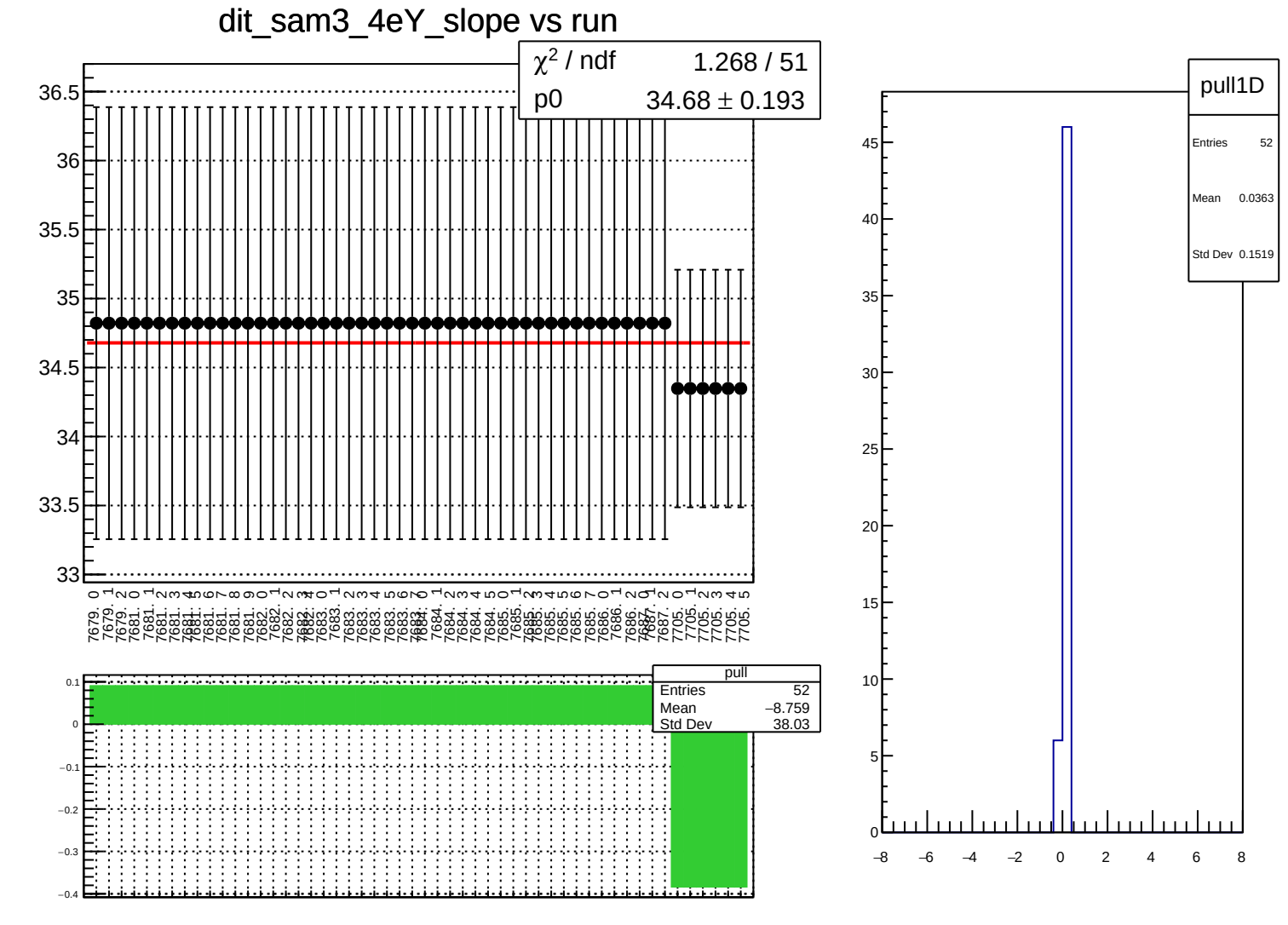

pull1D
Entries 52
Mean −0.04206
Std Dev 0.6313
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

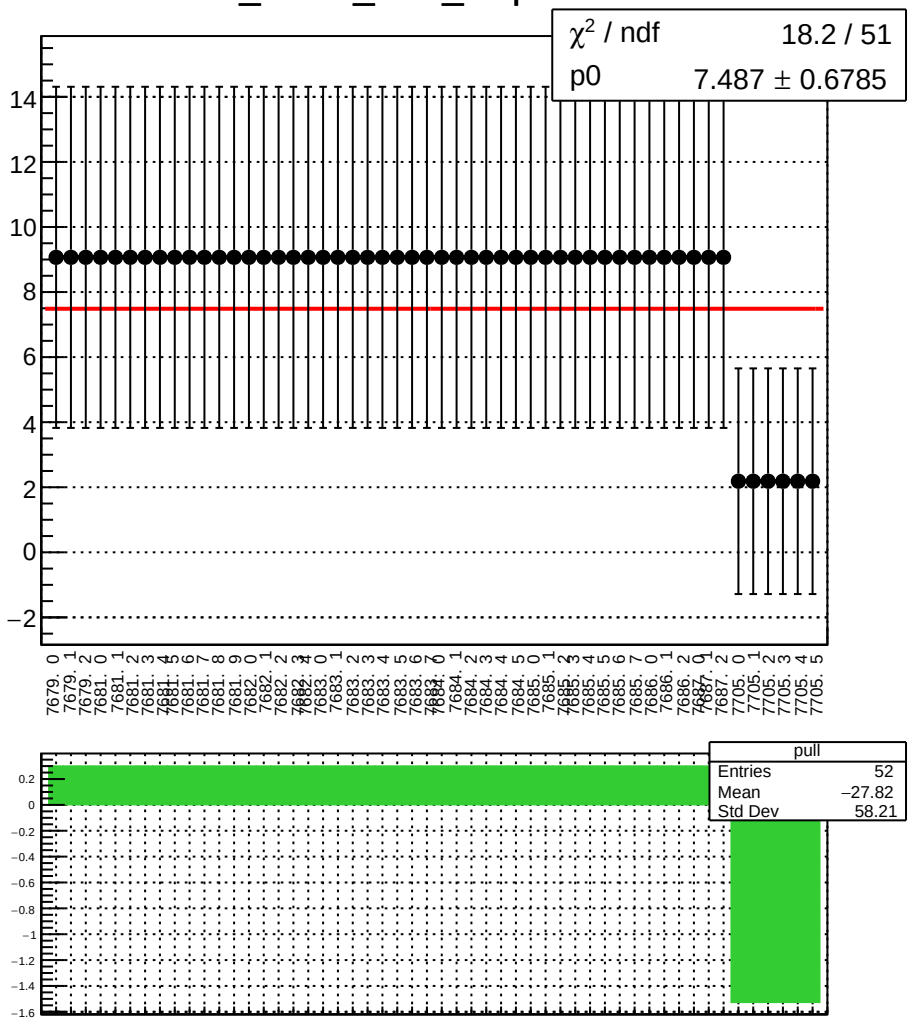

dit_sam3_11X12X_slope vs run
χ² / ndf 6.426 / 51
p0 3.333 ± 0.1843
pull
Entries 52
Mean −113.7
Std Dev 145.5

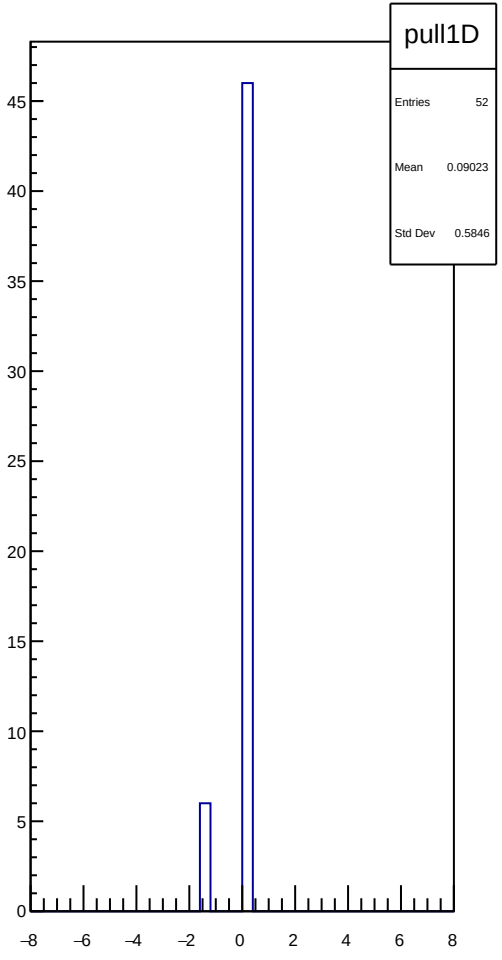

pull1D
Entries 52
Mean 0.02086
Std Dev 0.3509

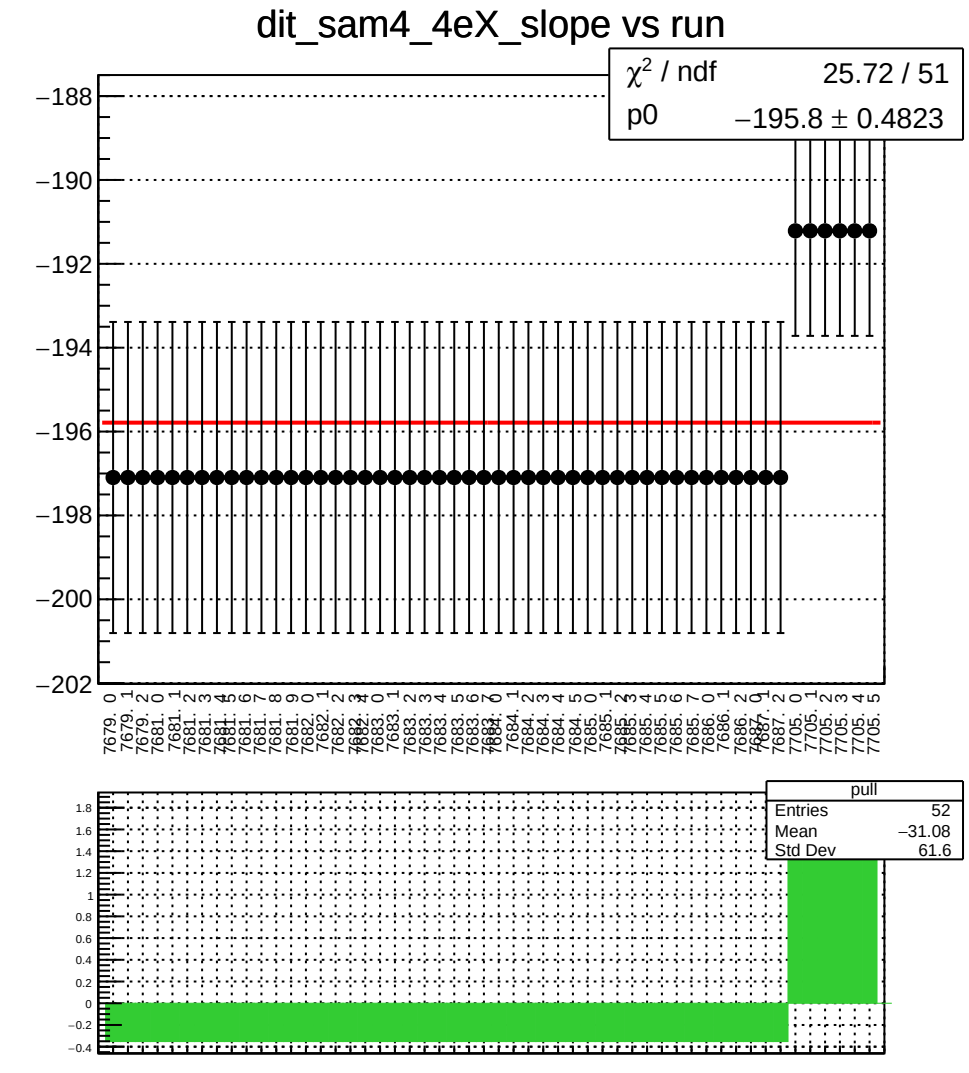

dit_sam3_4aY_slope vs run
χ² / ndf 0.1649 / 51
p0 −8.135 ± 0.2099
pull
Entries 52
Mean −7.465
Std Dev 36.62

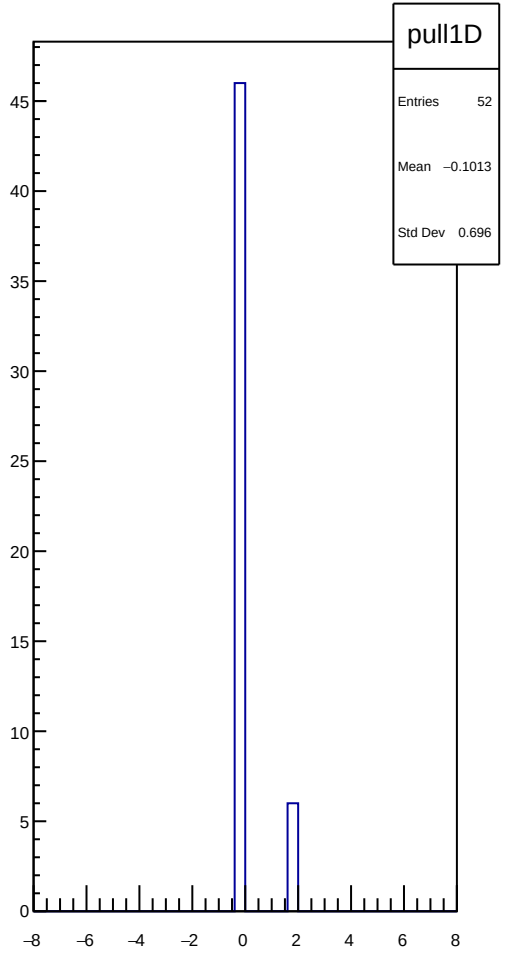

pull1D
Entries 52
Mean −0.01356
Std Dev 0.05465

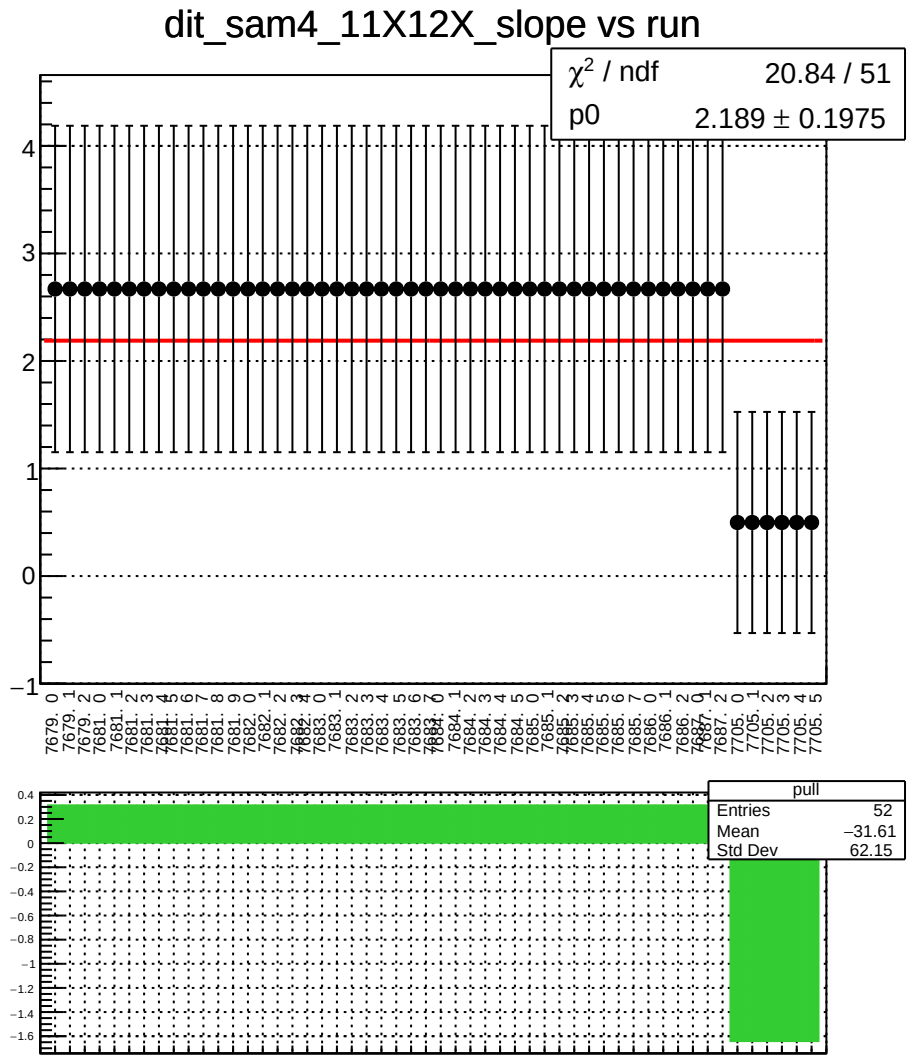

dit_sam3_4eY_slope vs run
χ² / ndf 1.268 / 51
p0 34.68 ± 0.193
pull
Entries 52
Mean −8.759
Std Dev 38.03
pull1D
Entries 52
Mean 0.0363
Std Dev 0.1519

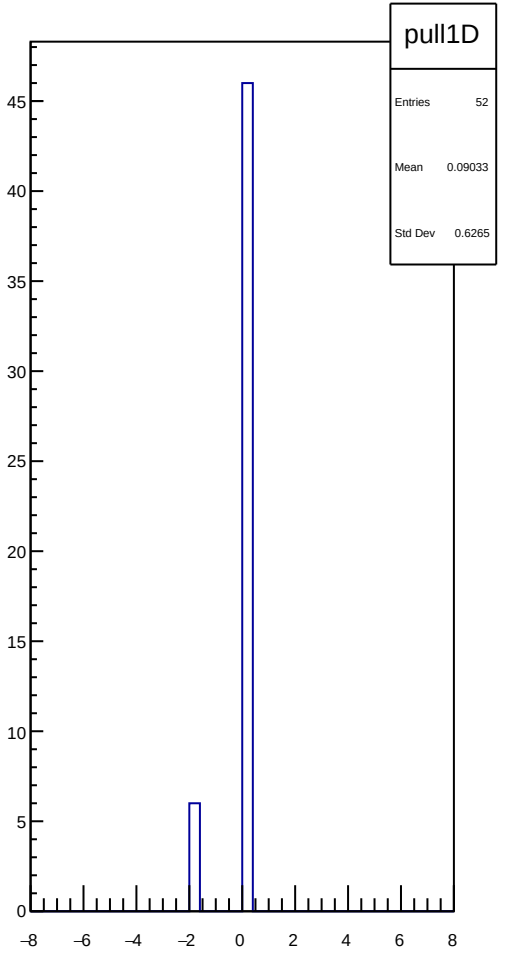

dit_sam4_4aX_slope vs run
χ² / ndf 18.2 / 51
p0 7.487 ± 0.6785
pull
Entries 52
Mean −27.82
Std Dev 58.21

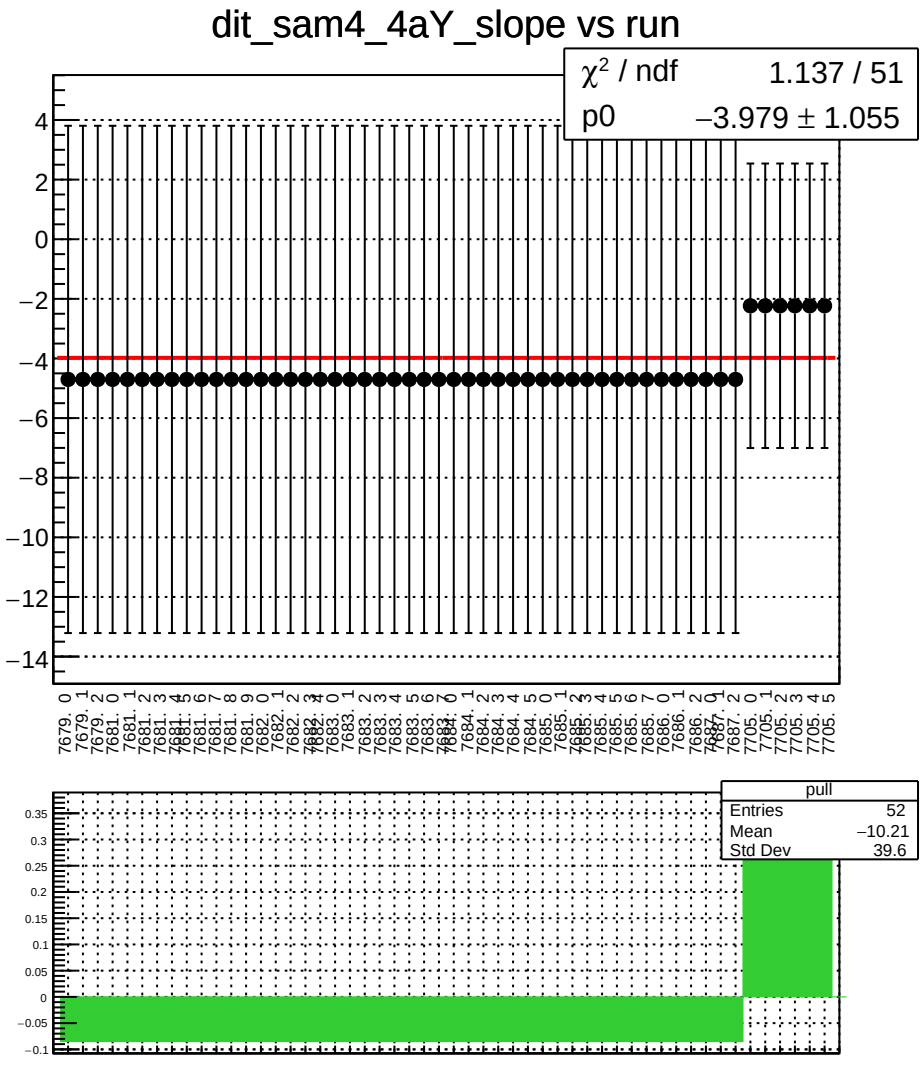

pull1D
Entries 52
Mean 0.09023
Std Dev 0.5846

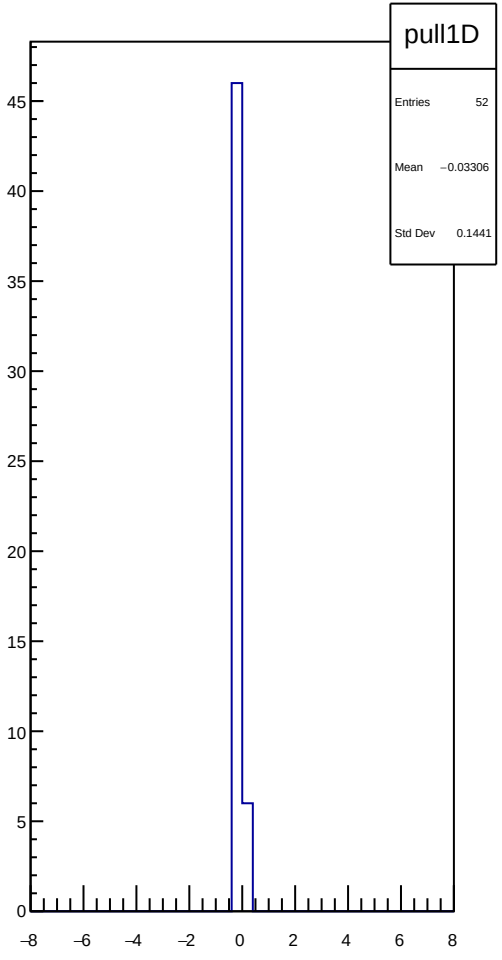

dit_sam4_4eX_slope vs run
χ² / ndf 25.72 / 51
p0 −195.8 ± 0.4823
pull
Entries 52
Mean −31.08
Std Dev 61.6

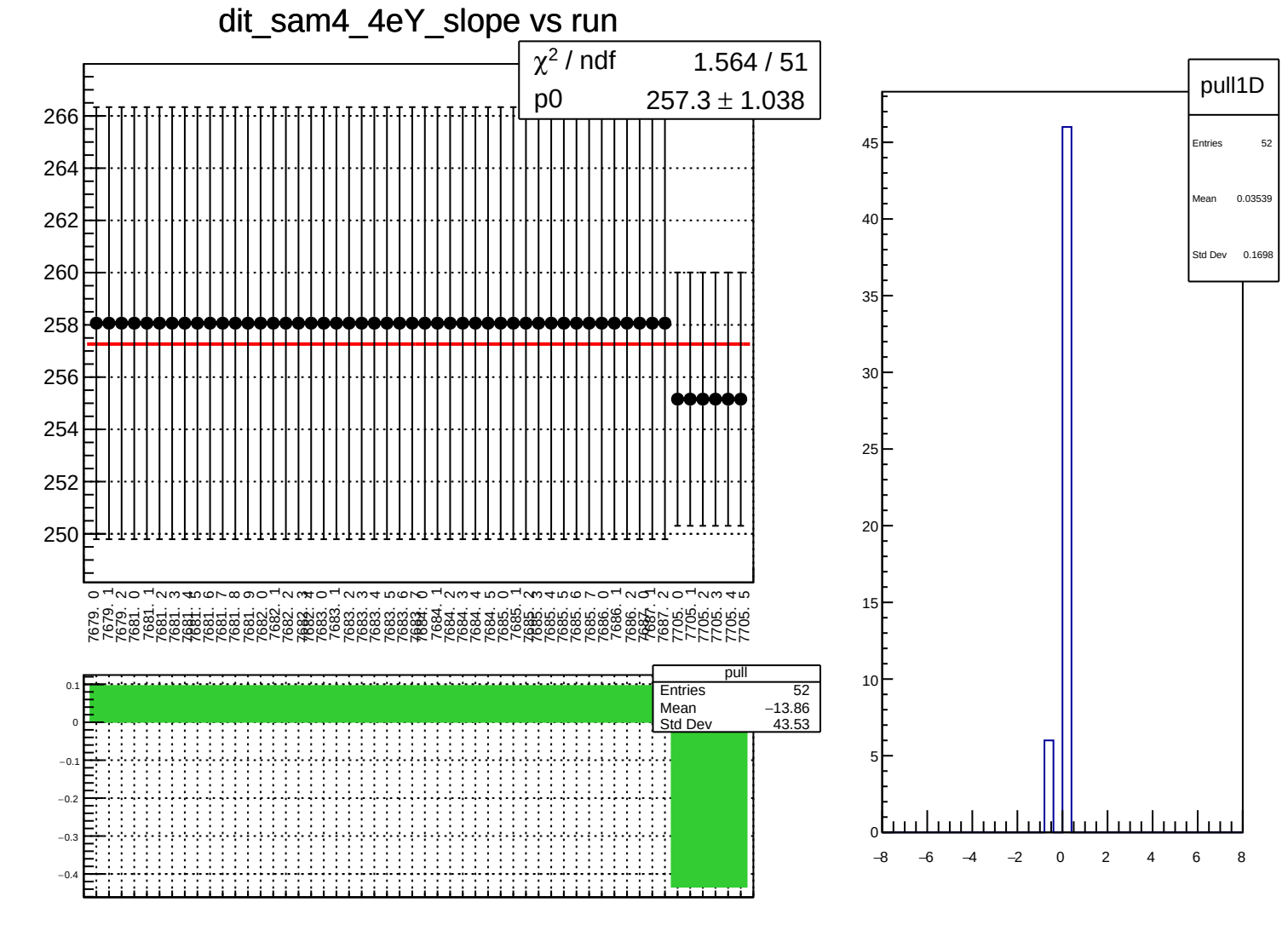

pull1D
Entries 52
Mean −0.1013
Std Dev 0.696

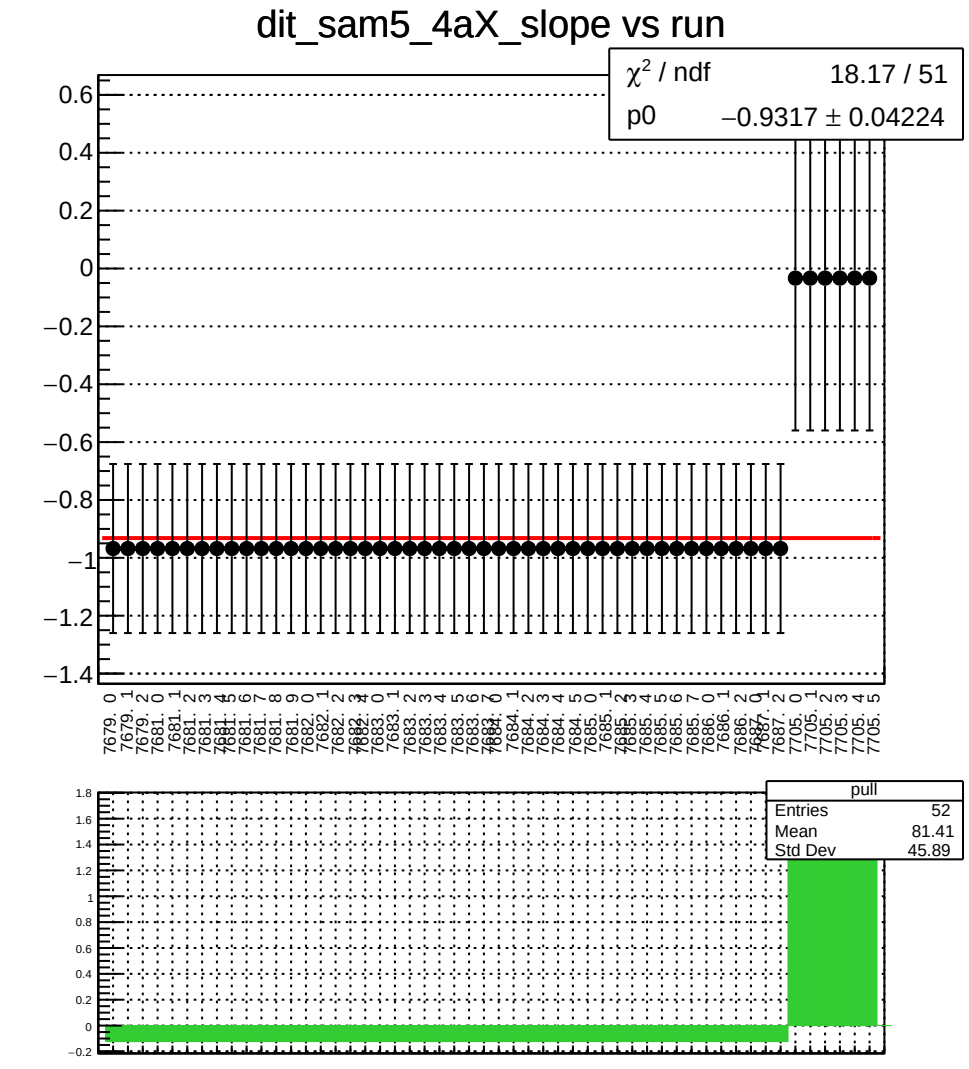

dit_sam4_11X12X_slope vs run
χ² / ndf 20.84 / 51
p0 2.189 ± 0.1975
pull
Entries 52
Mean −31.61
Std Dev 62.15

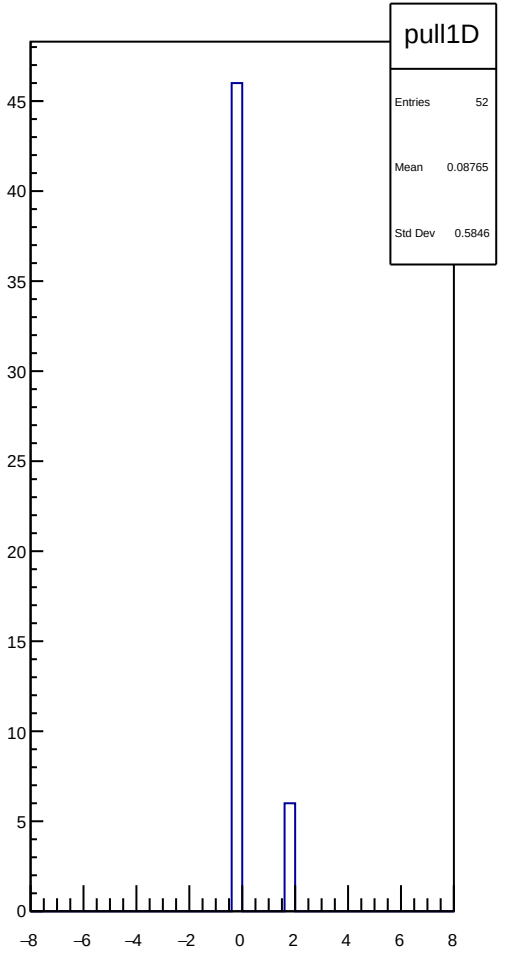

pull1D
Entries 52
Mean 0.09033
Std Dev 0.6265

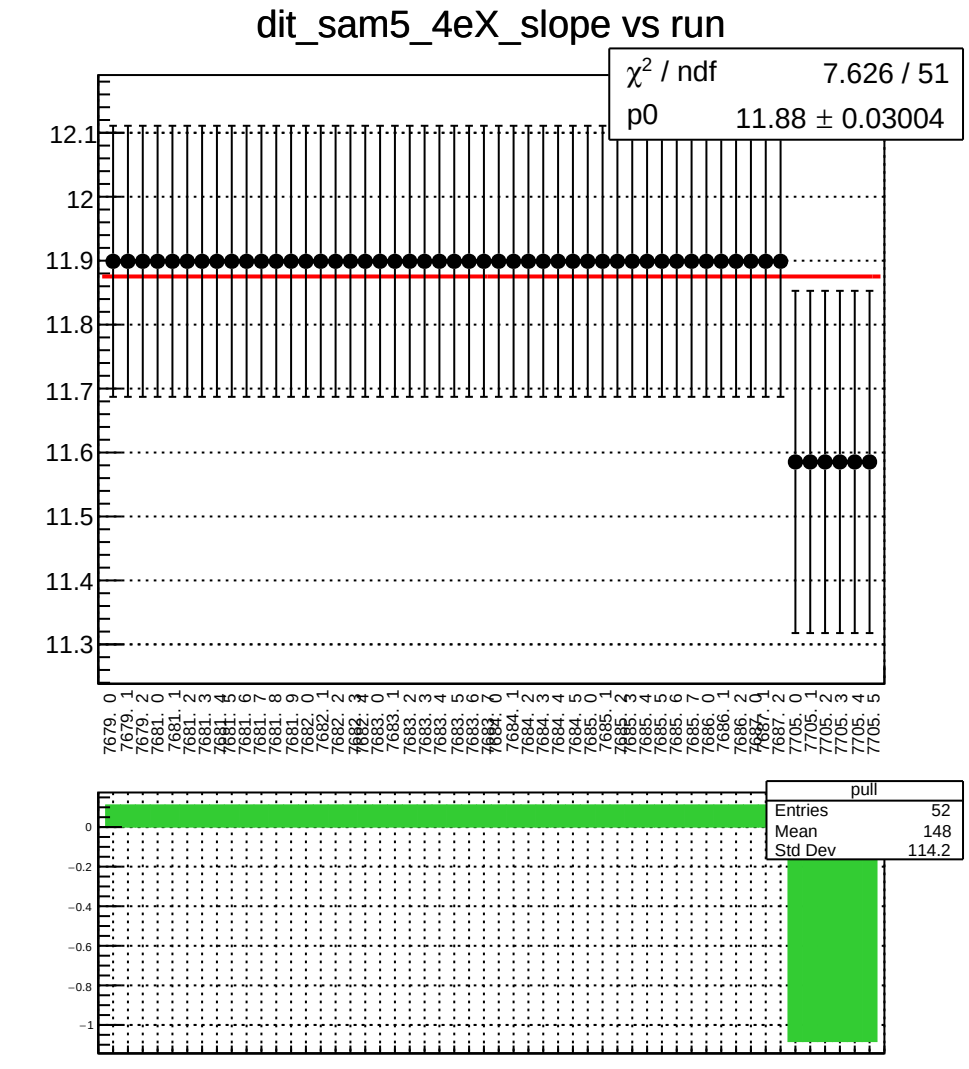

dit_sam4_4aY_slope vs run
χ² / ndf 1.137 / 51
p0 −3.979 ± 1.055
pull
Entries 52
Mean −10.21
Std Dev 39.6

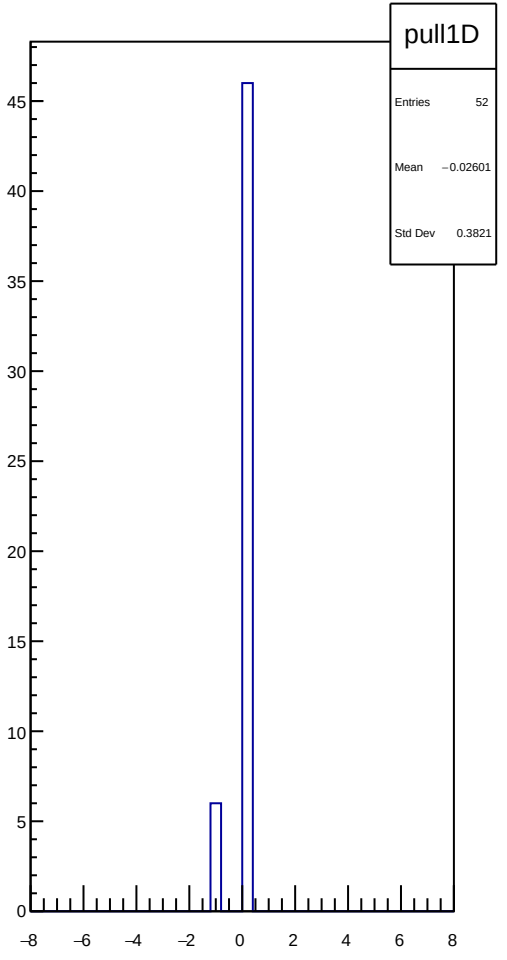

pull1D
Entries 52
Mean −0.03306
Std Dev 0.1441

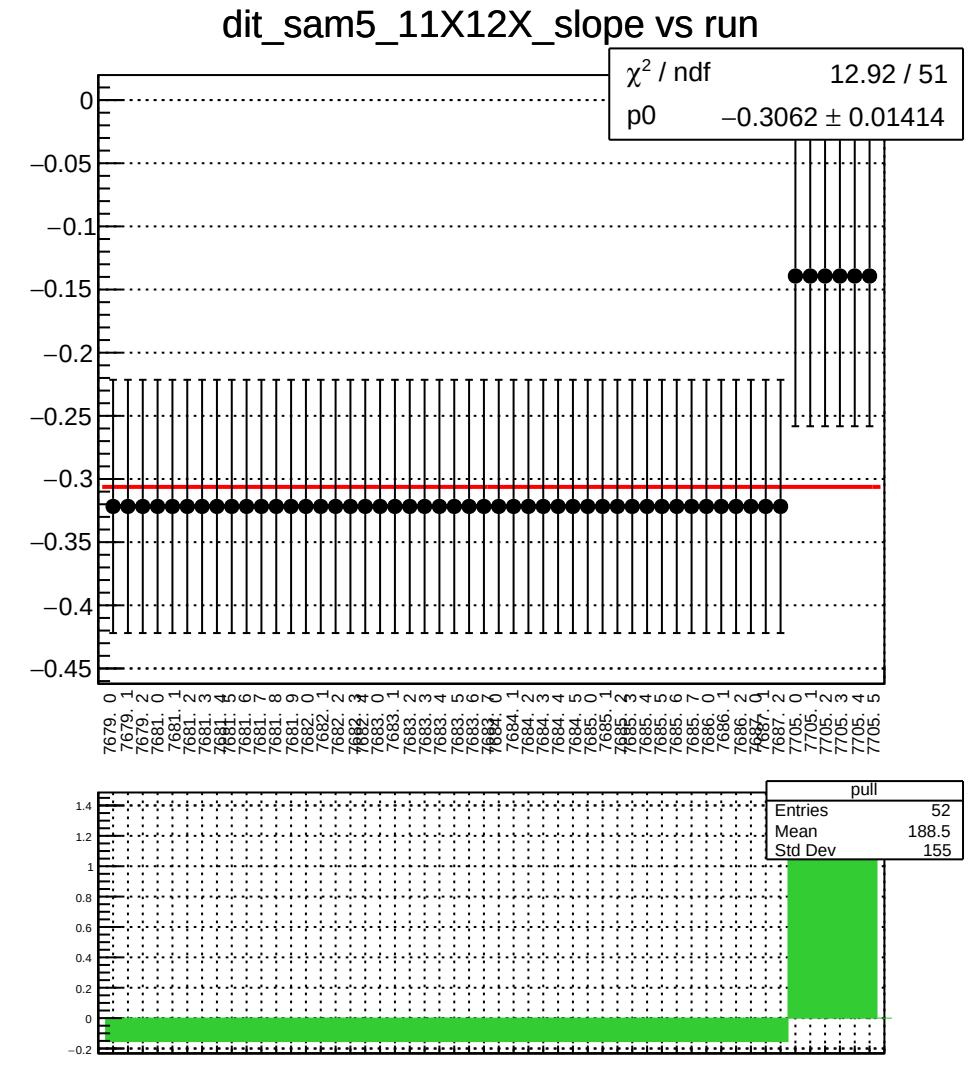

dit_sam4_4eY_slope vs run
χ² / ndf 1.564 / 51
p0 257.3 ± 1.038
pull
Entries 52
Mean −13.86
Std Dev 43.53
pull1D
Entries 52
Mean 0.03539
Std Dev 0.1698

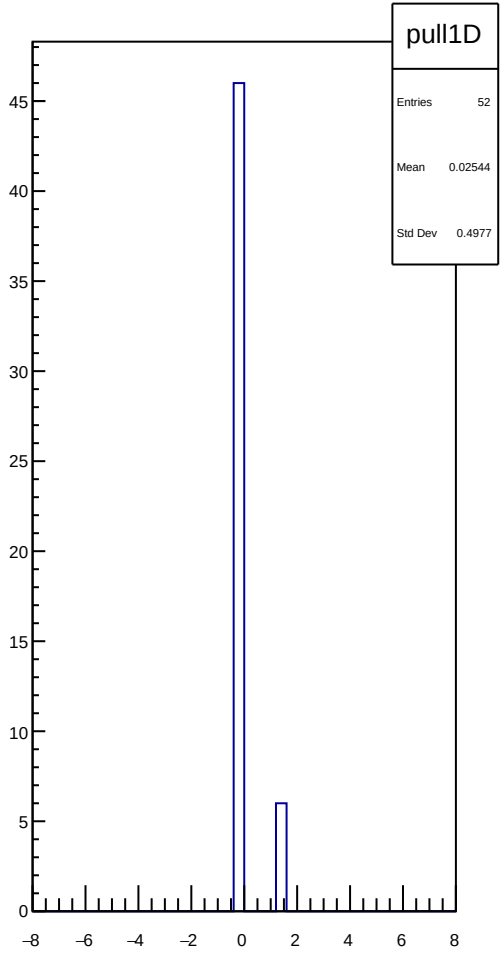

dit_sam5_4aX_slope vs run
χ² / ndf 18.17 / 51
p0 −0.9317 ± 0.04224
pull
Entries 52
Mean 81.41
Std Dev 45.89

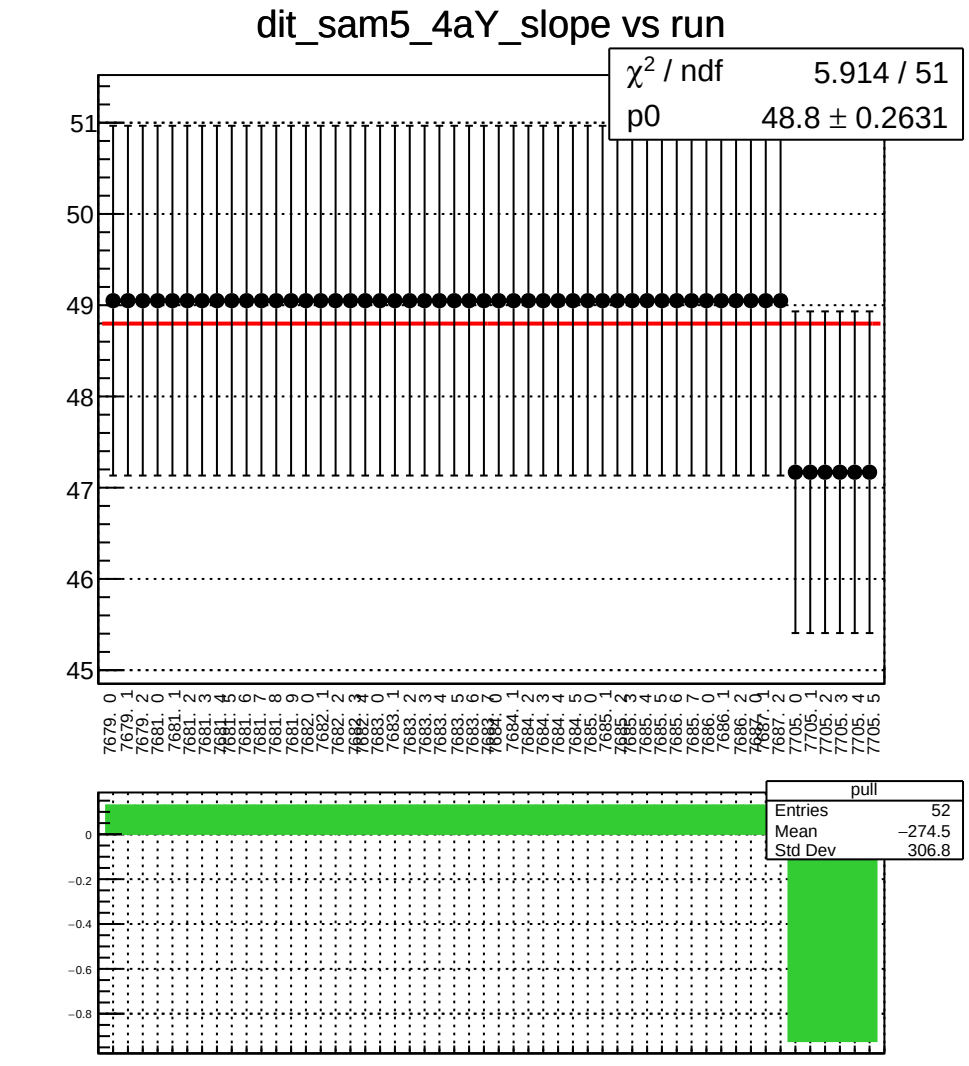

pull1D
Entries 52
Mean 0.08765
Std Dev 0.5846

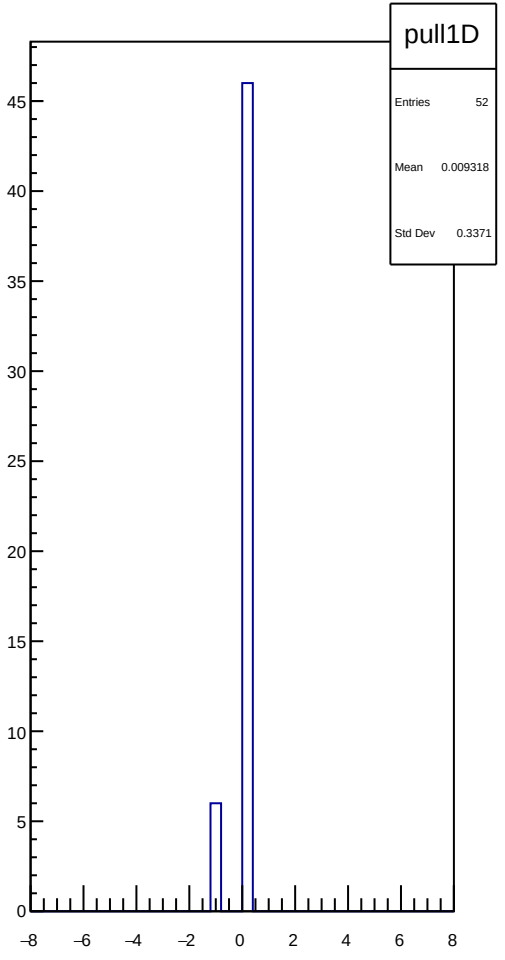

dit_sam5_4eX_slope vs run
χ² / ndf 7.626 / 51
p0 11.88 ± 0.03004
12.1
12
11.9
11.8
11.7
11.6
11.5
11.4
11.3
pull
Entries 52
Mean 148
Std Dev 114.2
0
−0.2
−0.4
−0.6
−0.8
−1

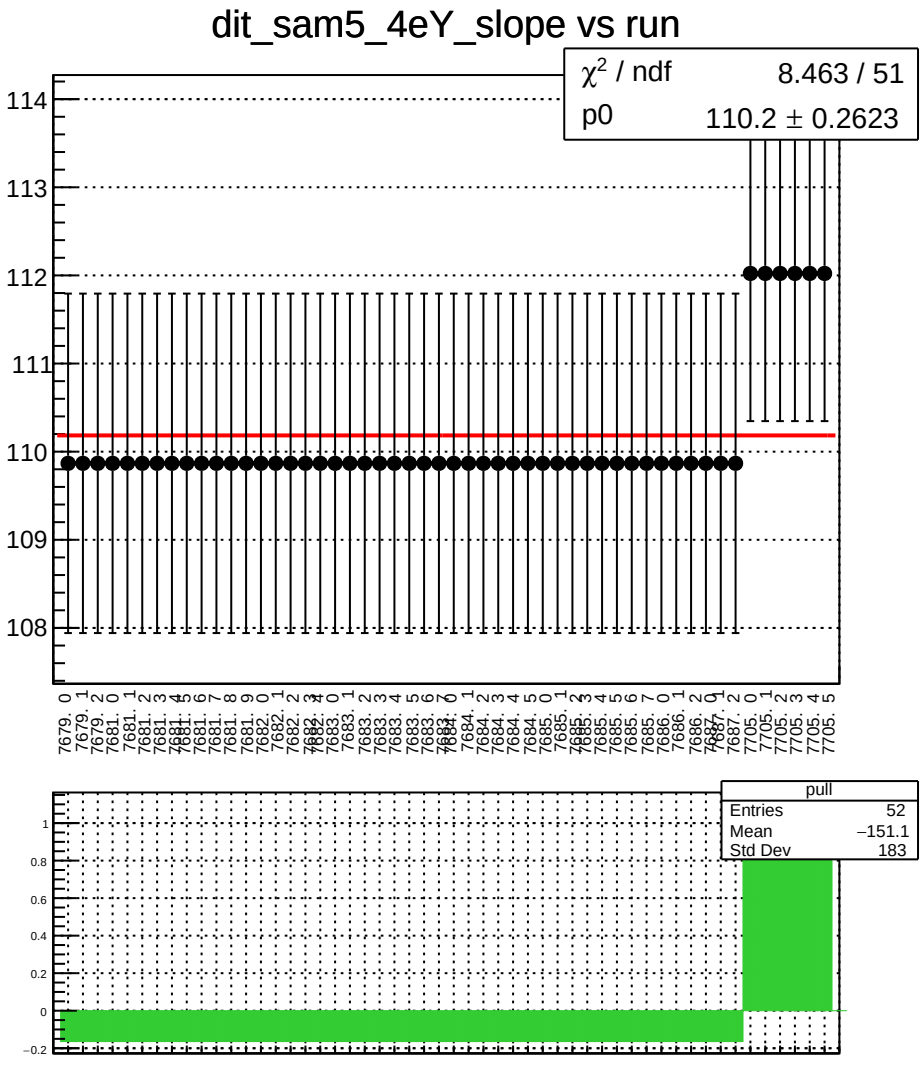

pull1D
Entries 52
Mean −0.02601
Std Dev 0.3821
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

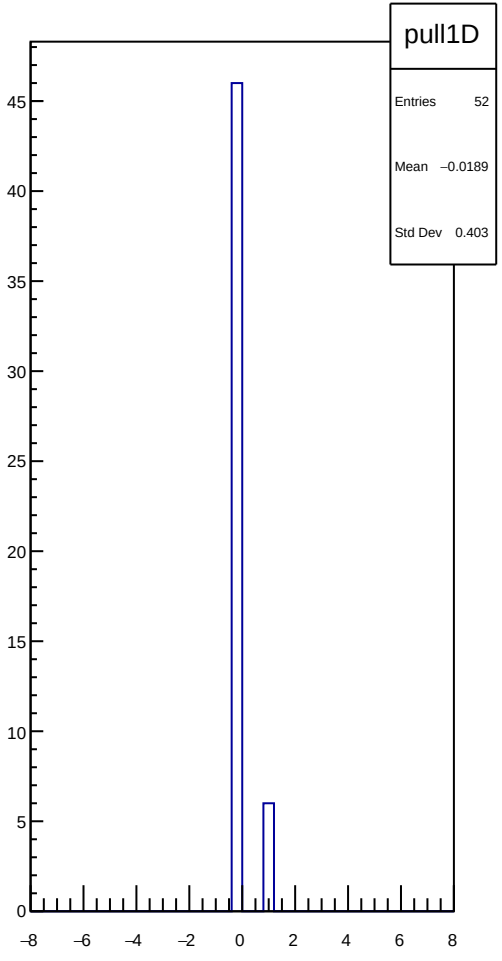

dit_sam5_11X12X_slope vs run
χ² / ndf 12.92 / 51
p0 −0.3062 ± 0.01414
pull
Entries 52
Mean 188.5
Std Dev 155

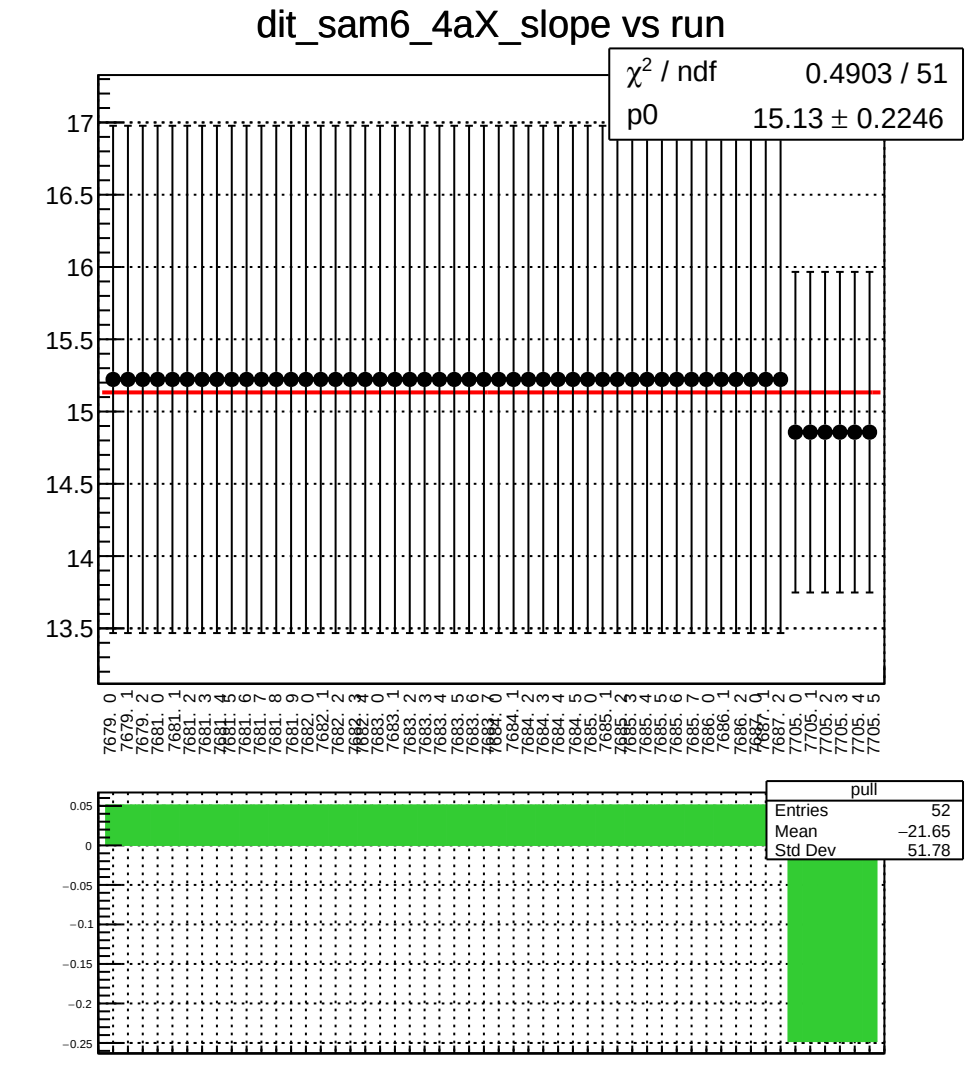

pull1D
Entries 52
Mean 0.02544
Std Dev 0.4977

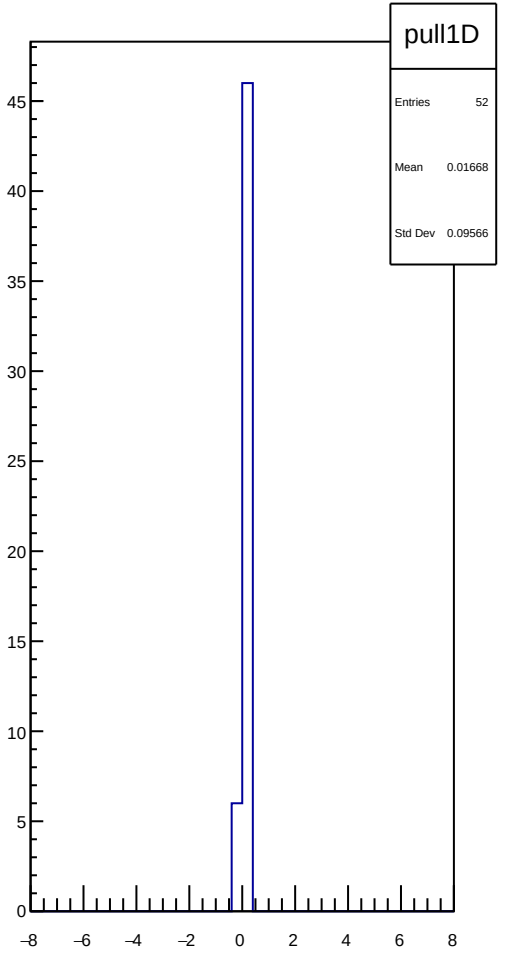

dit_sam5_4aY_slope vs run
χ² / ndf 5.914 / 51
p0 48.8 ± 0.2631
pull
Entries 52
Mean −274.5
Std Dev 306.8

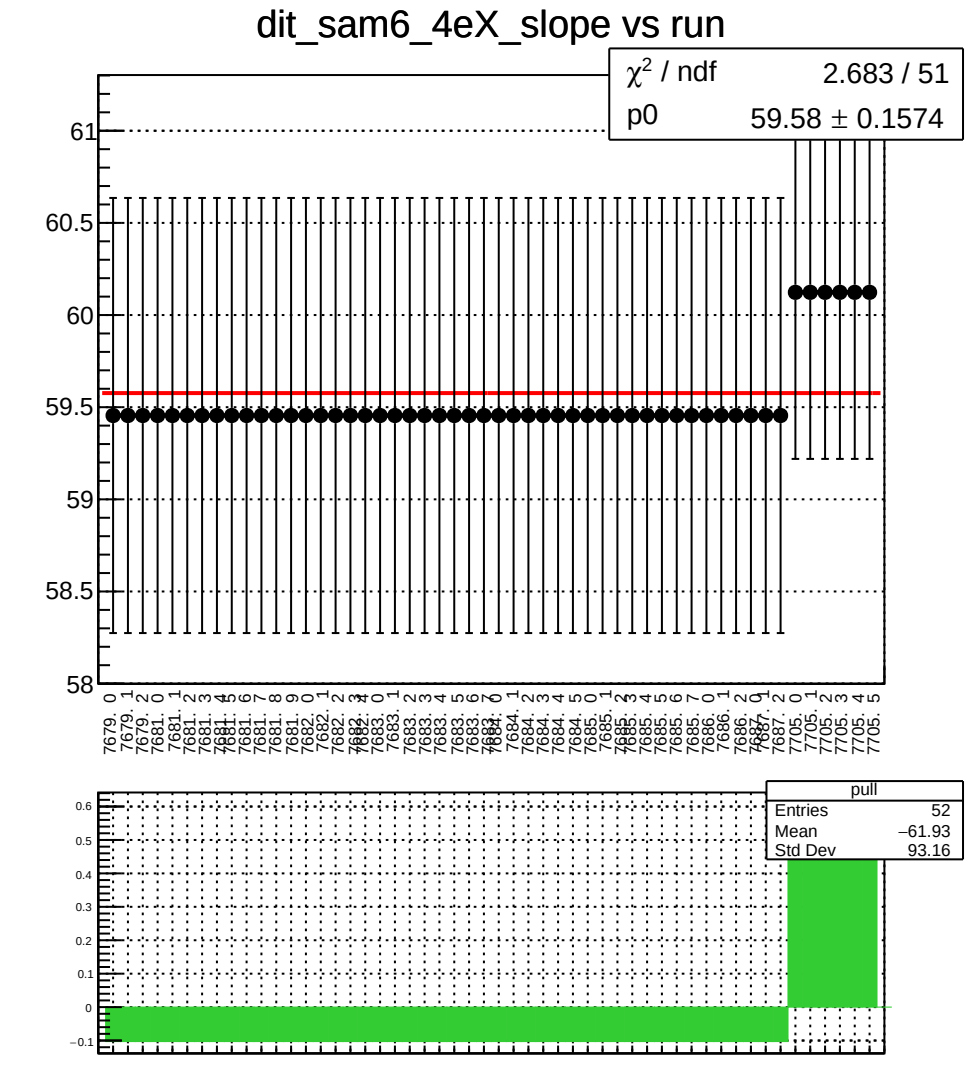

pull1D
Entries 52
Mean 0.009318
Std Dev 0.3371

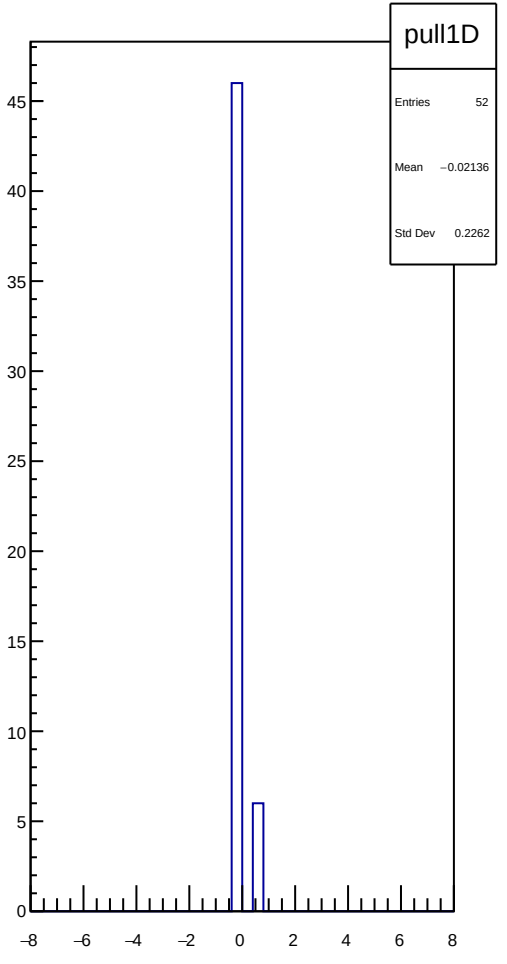

dit_sam5_4eY_slope vs run
χ² / ndf 8.463 / 51
p0 110.2 ± 0.2623
114
113
112
111
110
109
108
pull
Entries 52
Mean −151.1
Std Dev 183
1
0.8
0.6
0.4
0.2
0
−0.2

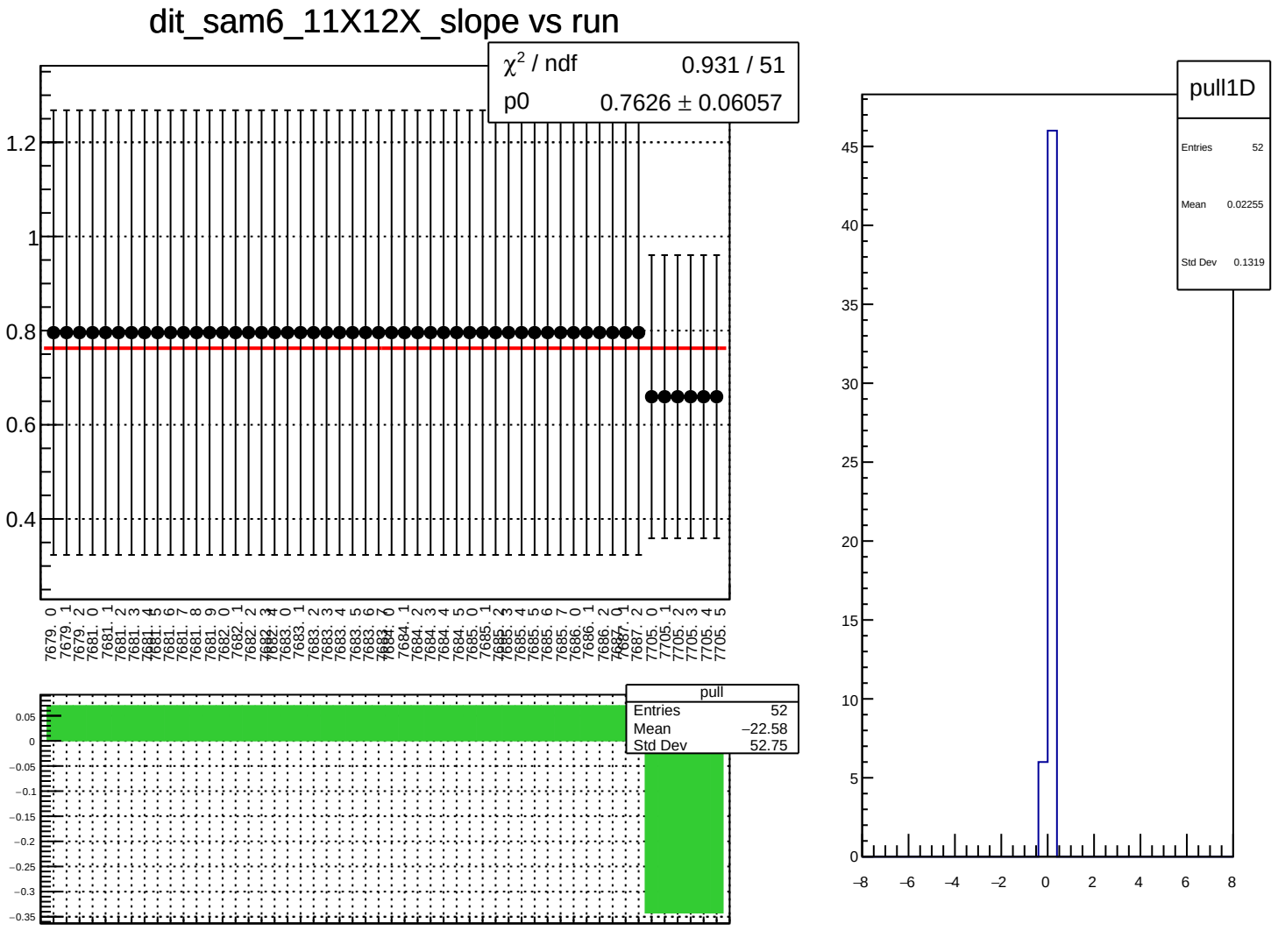

pull1D
Entries 52
Mean −0.0189
Std Dev 0.403
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

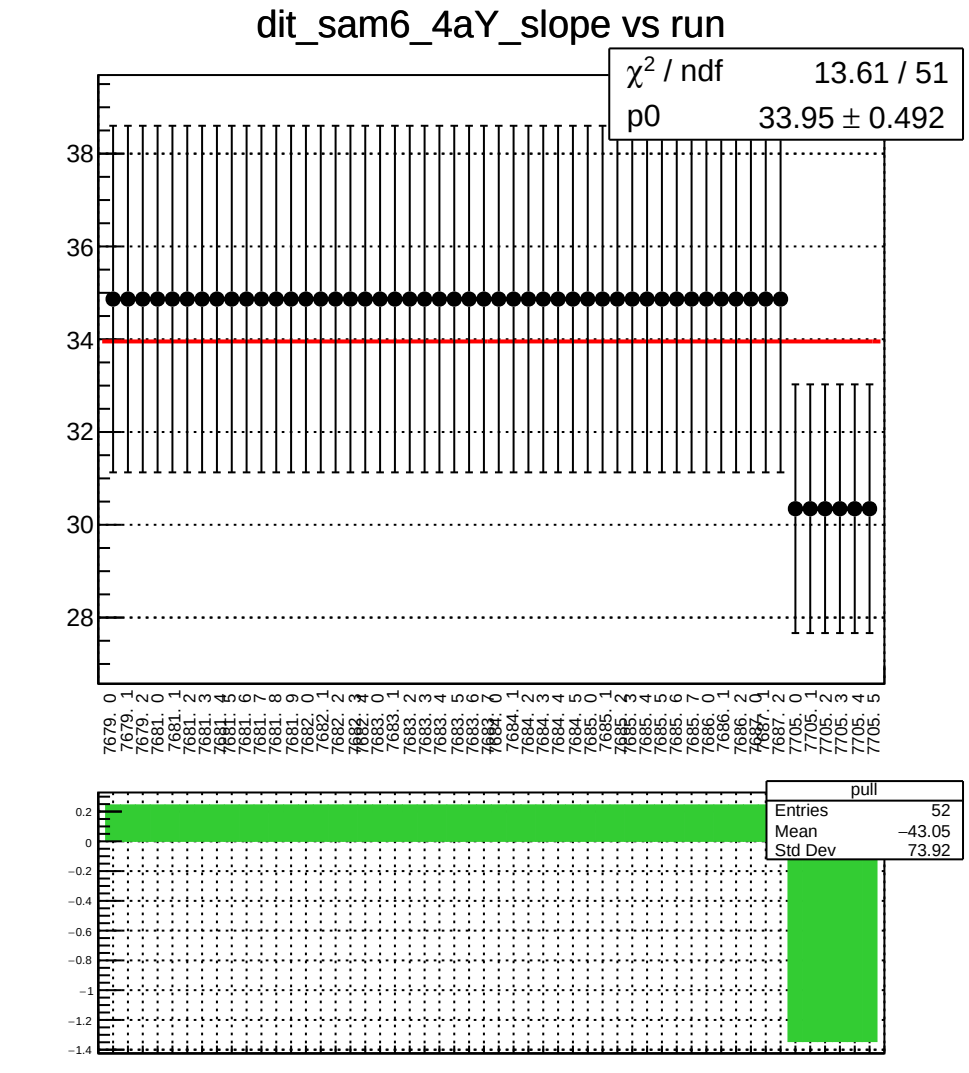

dit_sam6_4aX_slope vs run
χ² / ndf 0.4903 / 51
p0 15.13 ± 0.2246
pull
Entries 52
Mean −21.65
Std Dev 51.78

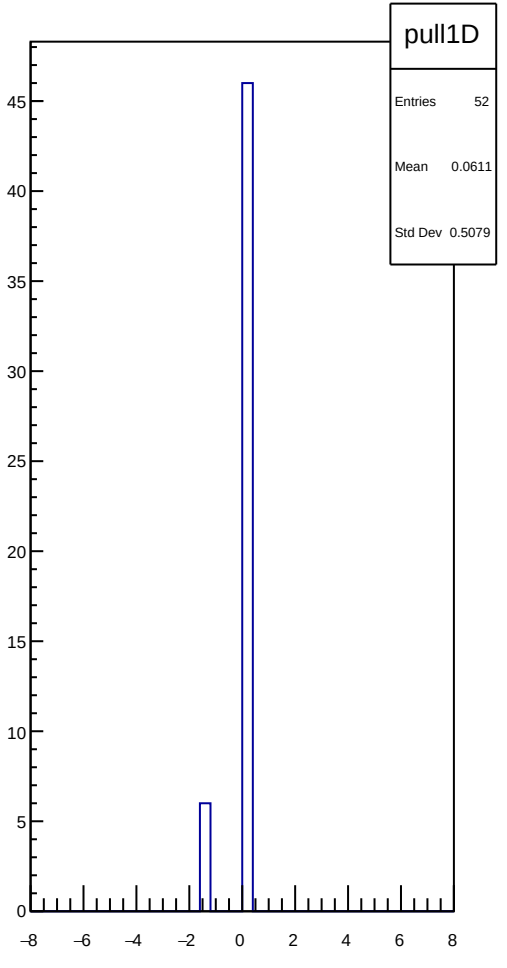

pull1D
Entries 52
Mean 0.01668
Std Dev 0.09566

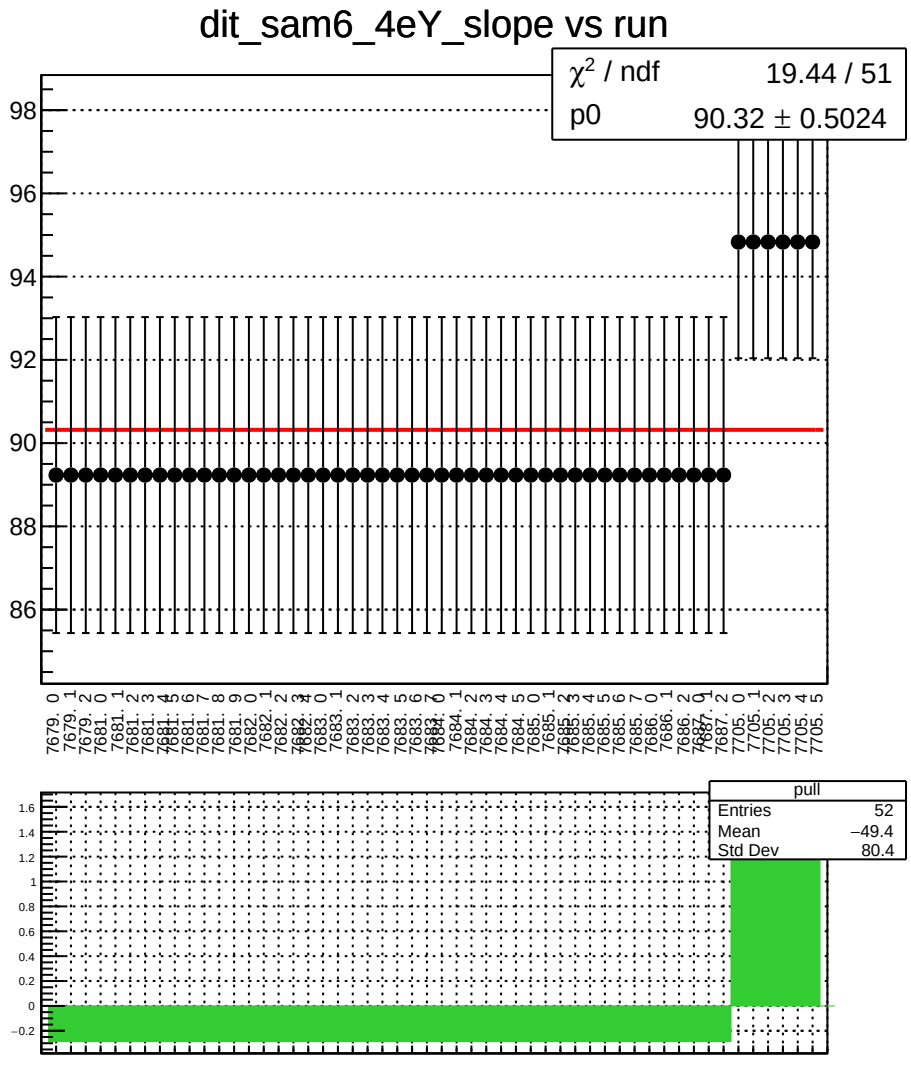

dit_sam6_4eX_slope vs run
χ² / ndf 2.683 / 51
p0 59.58 ± 0.1574
pull
Entries 52
Mean −61.93
Std Dev 93.16

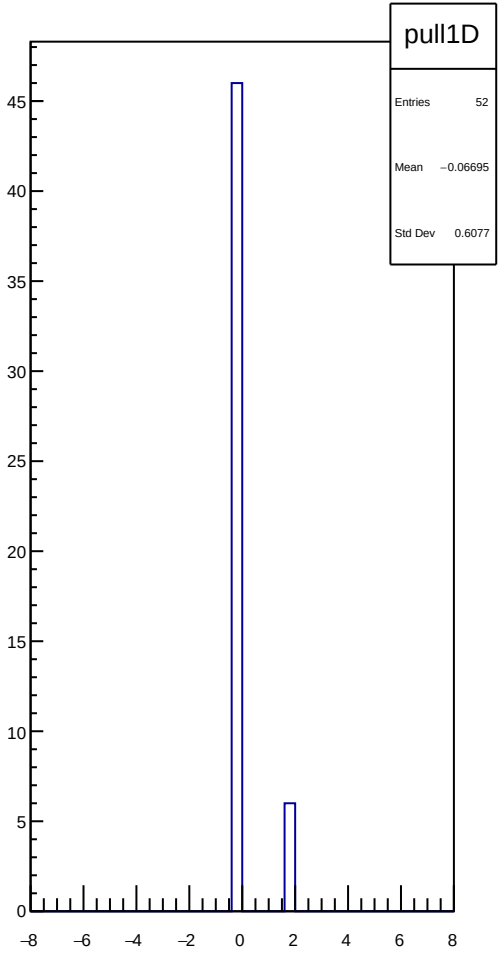

pull1D
Entries 52
Mean −0.02136
Std Dev 0.2262

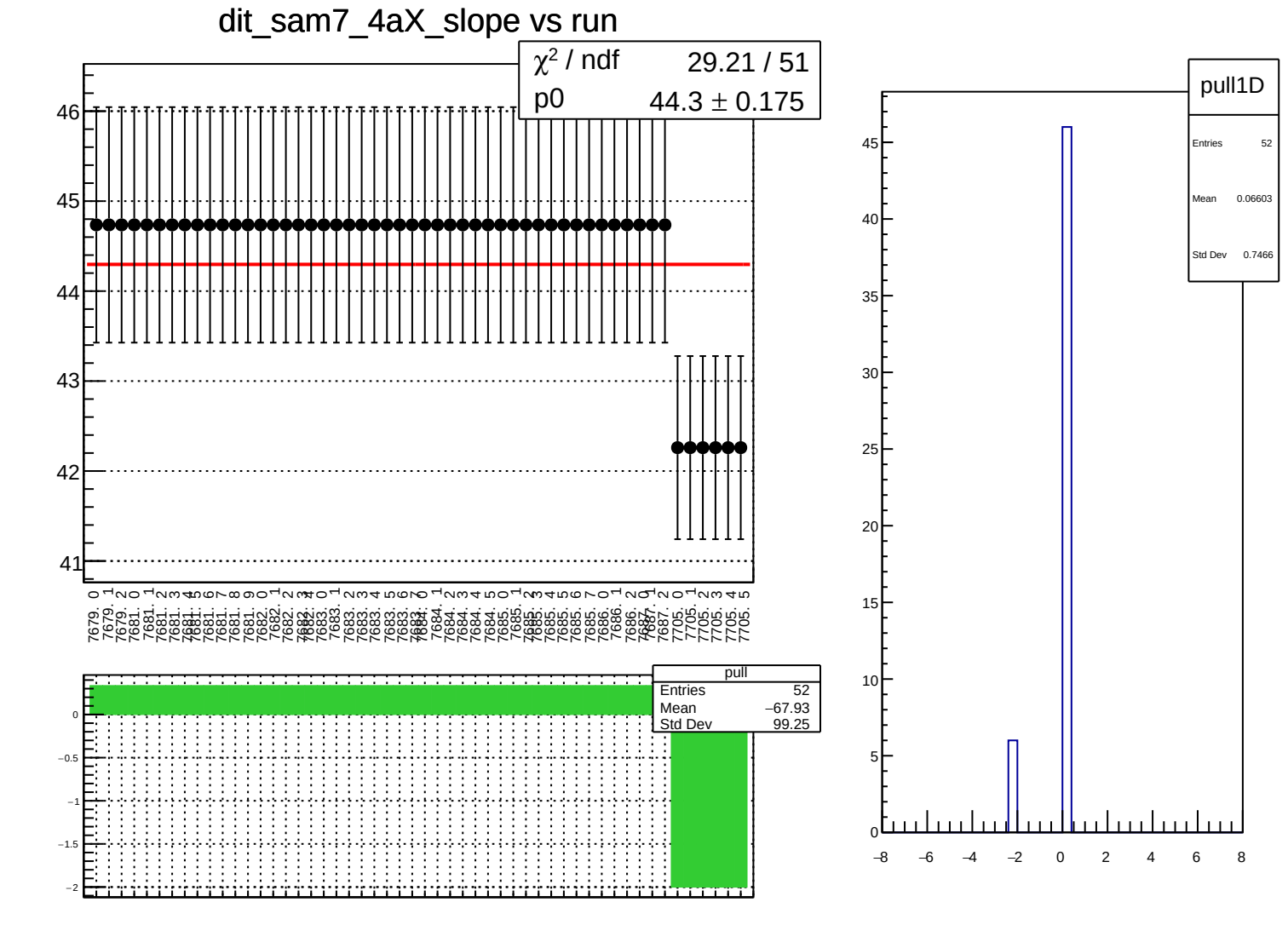

dit_sam6_11X12X_slope vs run
χ^2 / ndf 0.931 / 51
p0 0.7626 ± 0.06057
1.2
1
0.8
0.6
0.4
pull
Entries 52
Mean −22.58
Std Dev 52.75
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 52
Mean 0.02255
Std Dev 0.1319
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

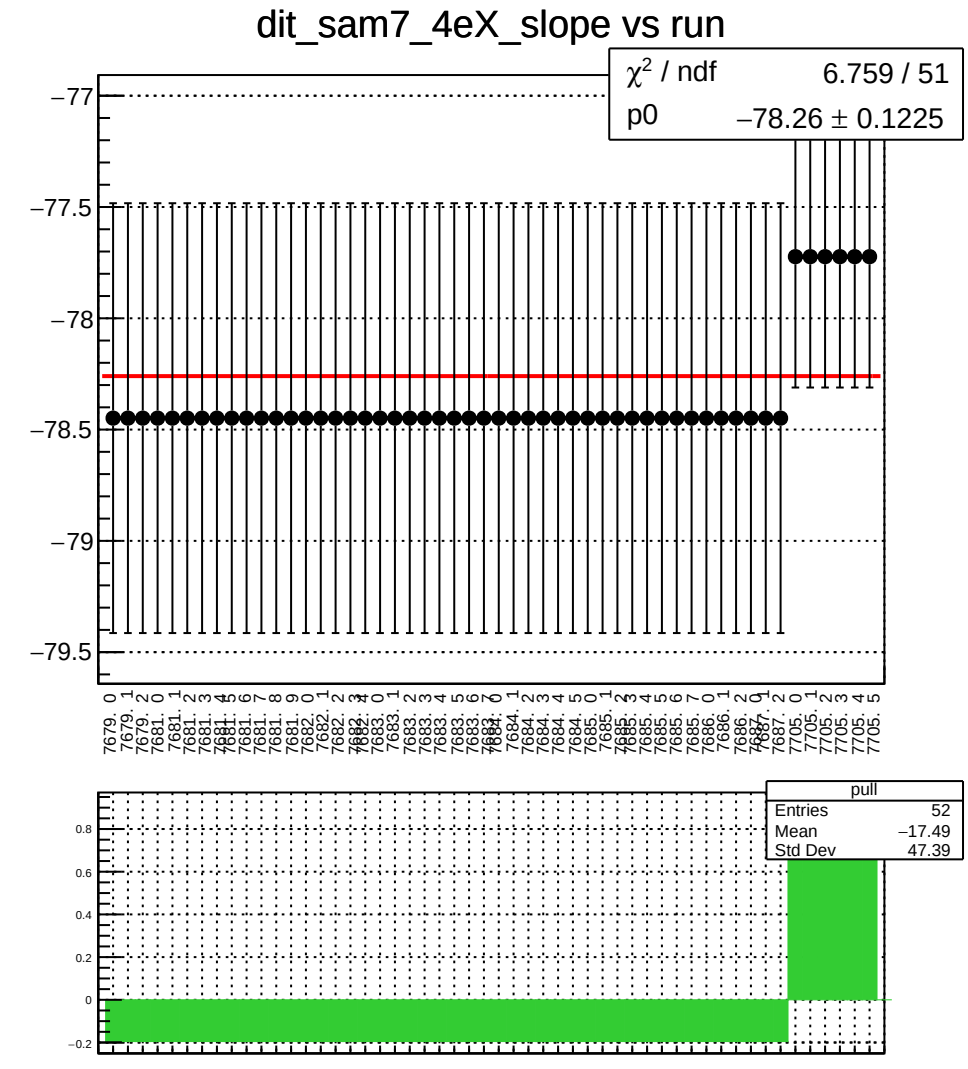

dit_sam6_4aY_slope vs run
χ² / ndf 13.61 / 51
p0 33.95 ± 0.492
38
36
34
32
30
28
pull
Entries 52
Mean −43.05
Std Dev 73.92
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

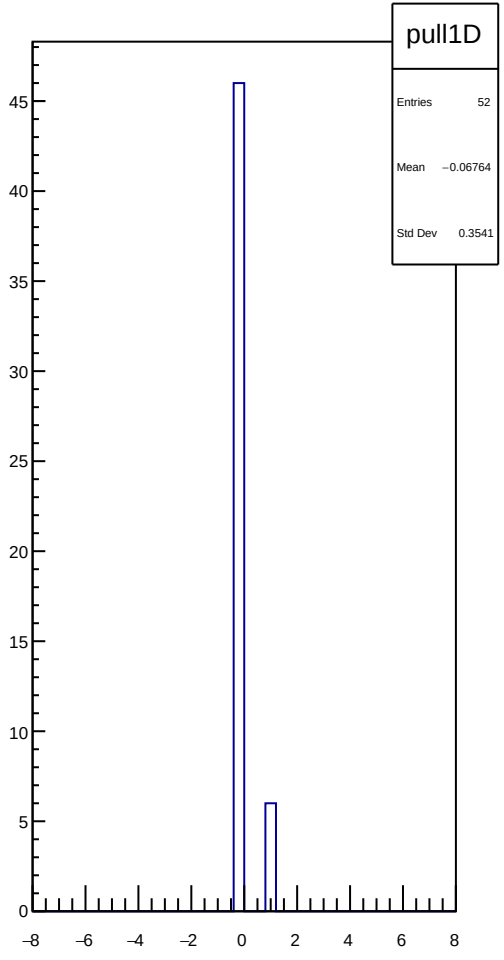

pull1D
Entries 52
Mean 0.0611
Std Dev 0.5079
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

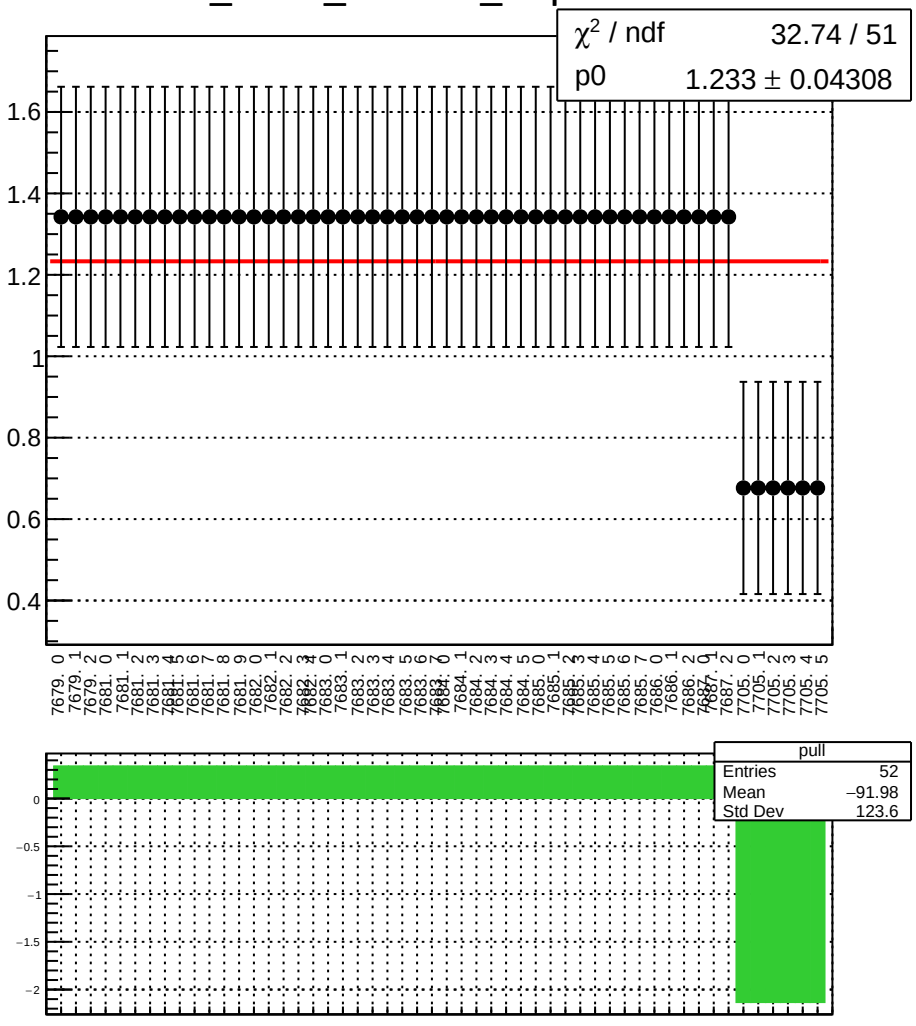

dit_sam6_4eY_slope vs run
χ² / ndf 19.44 / 51
p0 90.32 ± 0.5024
98
96
94
92
90
88
86
pull
Entries 52
Mean −49.4
Std Dev 80.4
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2

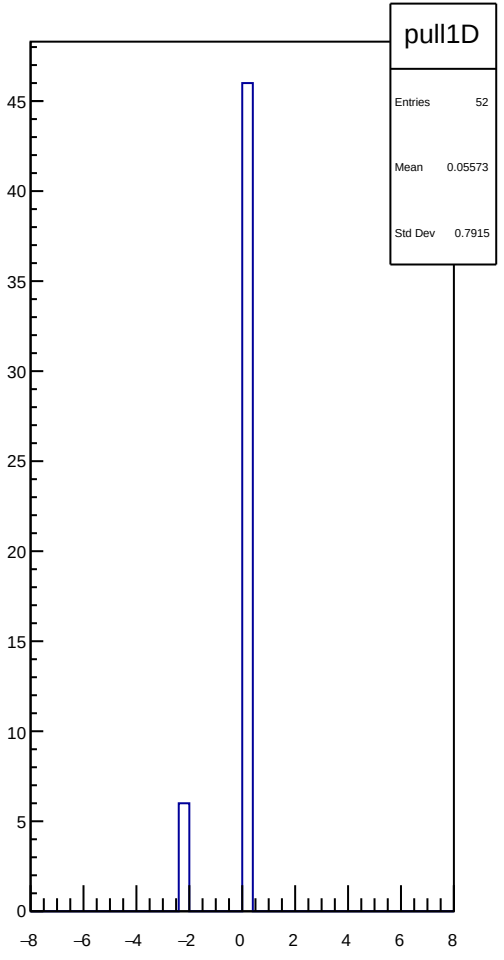

pull1D
Entries 52
Mean −0.06695
Std Dev 0.6077
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

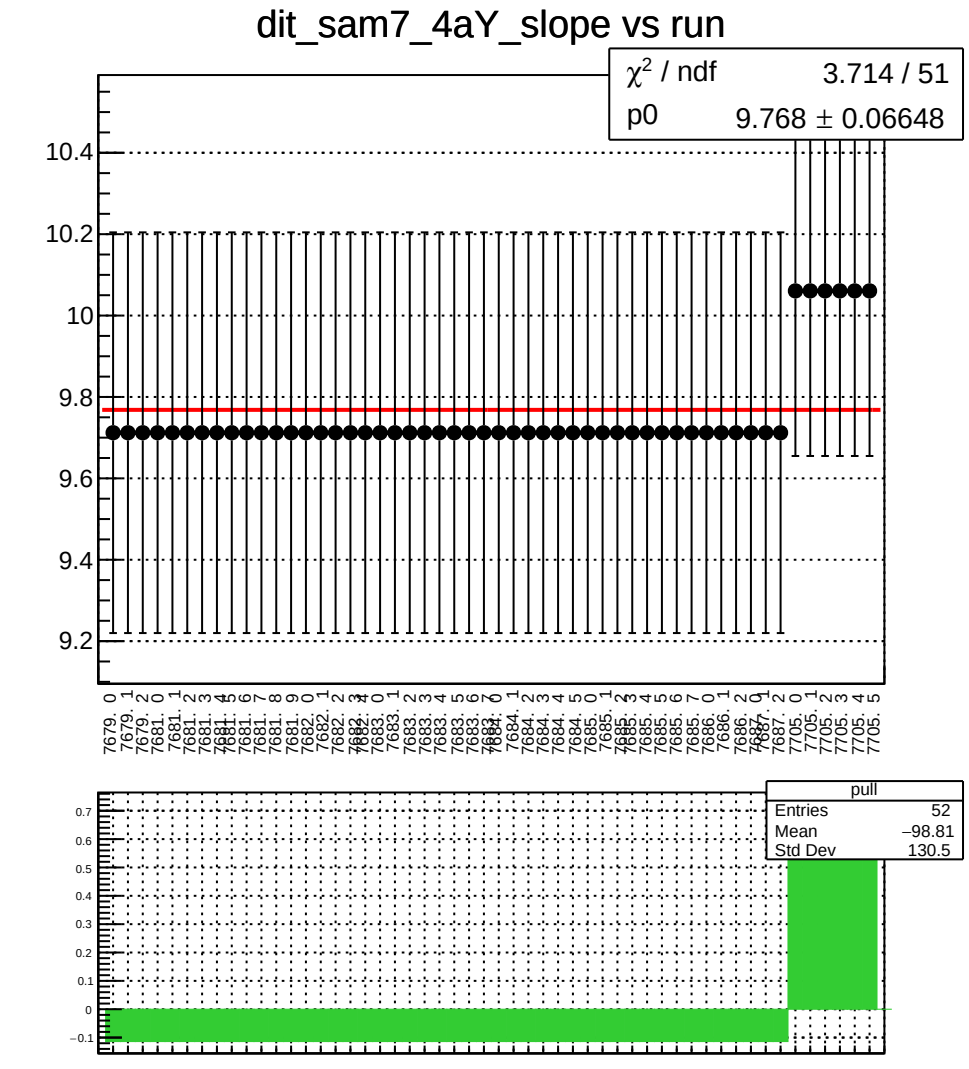

dit_sam7_4aX_slope vs run
χ² / ndf 29.21 / 51
p0 44.3 ± 0.175
pull
Entries 52
Mean −67.93
Std Dev 99.25
pull1D
Entries 52
Mean 0.06603
Std Dev 0.7466

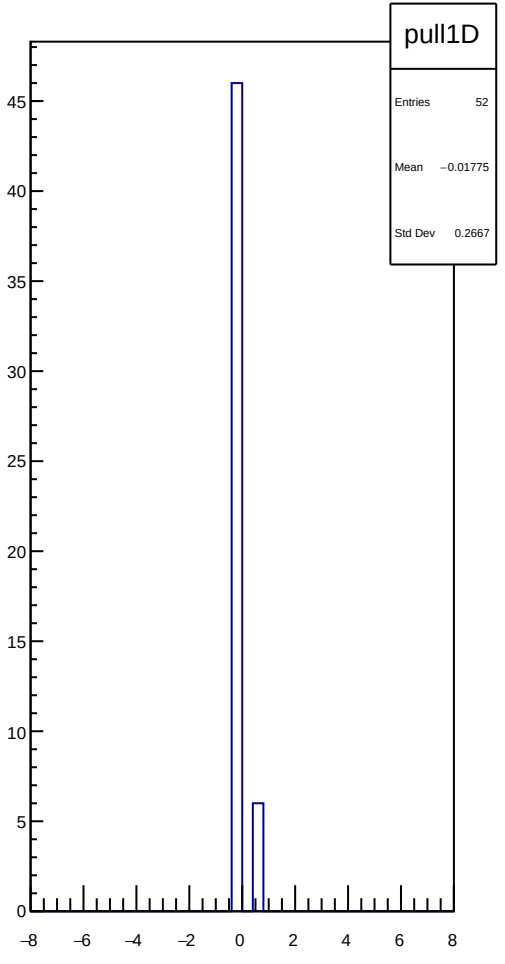

dit_sam7_4eX_slope vs run
χ² / ndf 6.759 / 51
p0 −78.26 ± 0.1225
−77
−77.5
−78
−78.5
−79
−79.5
pull
Entries 52
Mean −17.49
Std Dev 47.39
0.8
0.6
0.4
0.2
0
−0.2

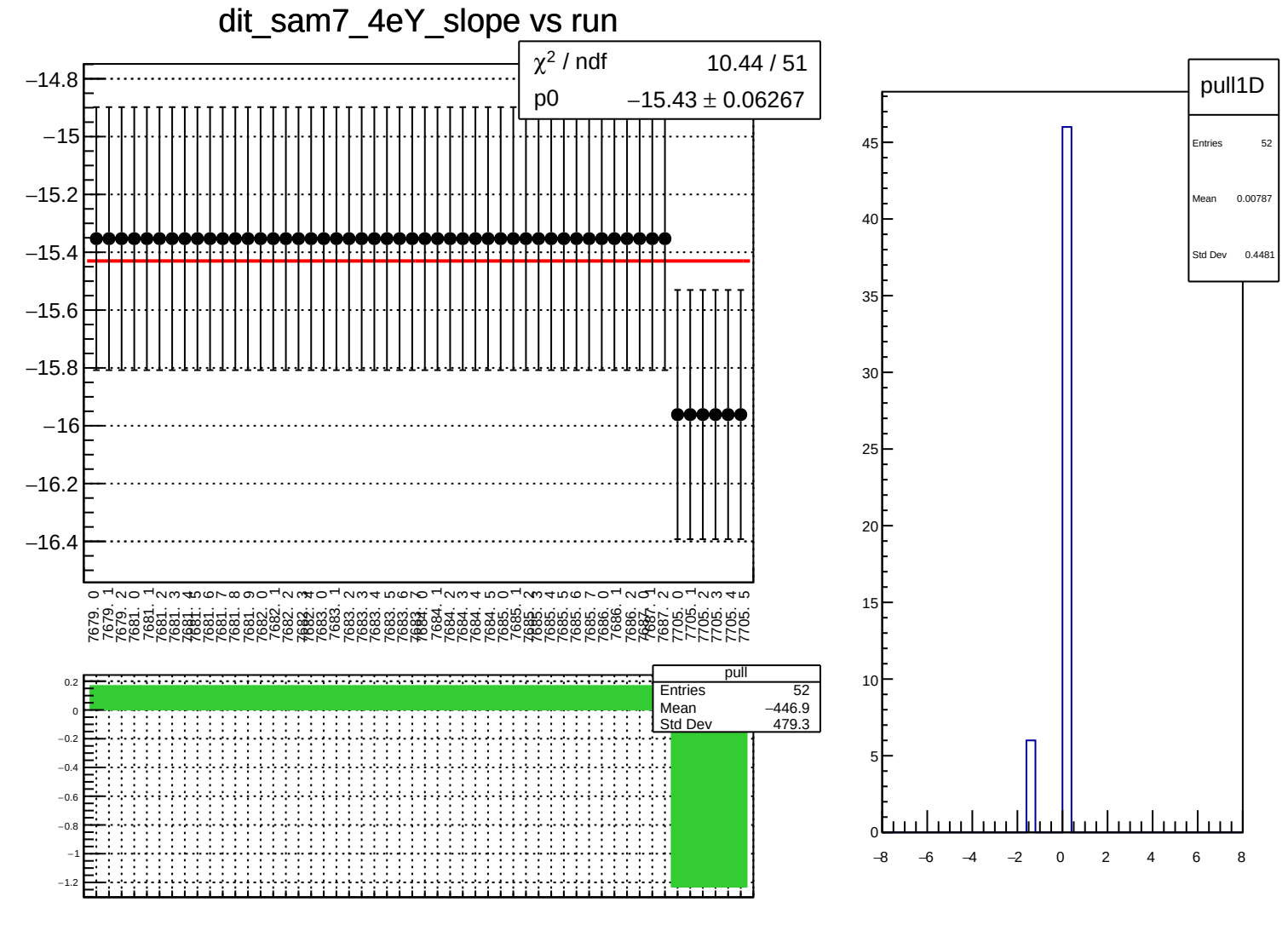

pull1D
Entries 52
Mean −0.06764
Std Dev 0.3541
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

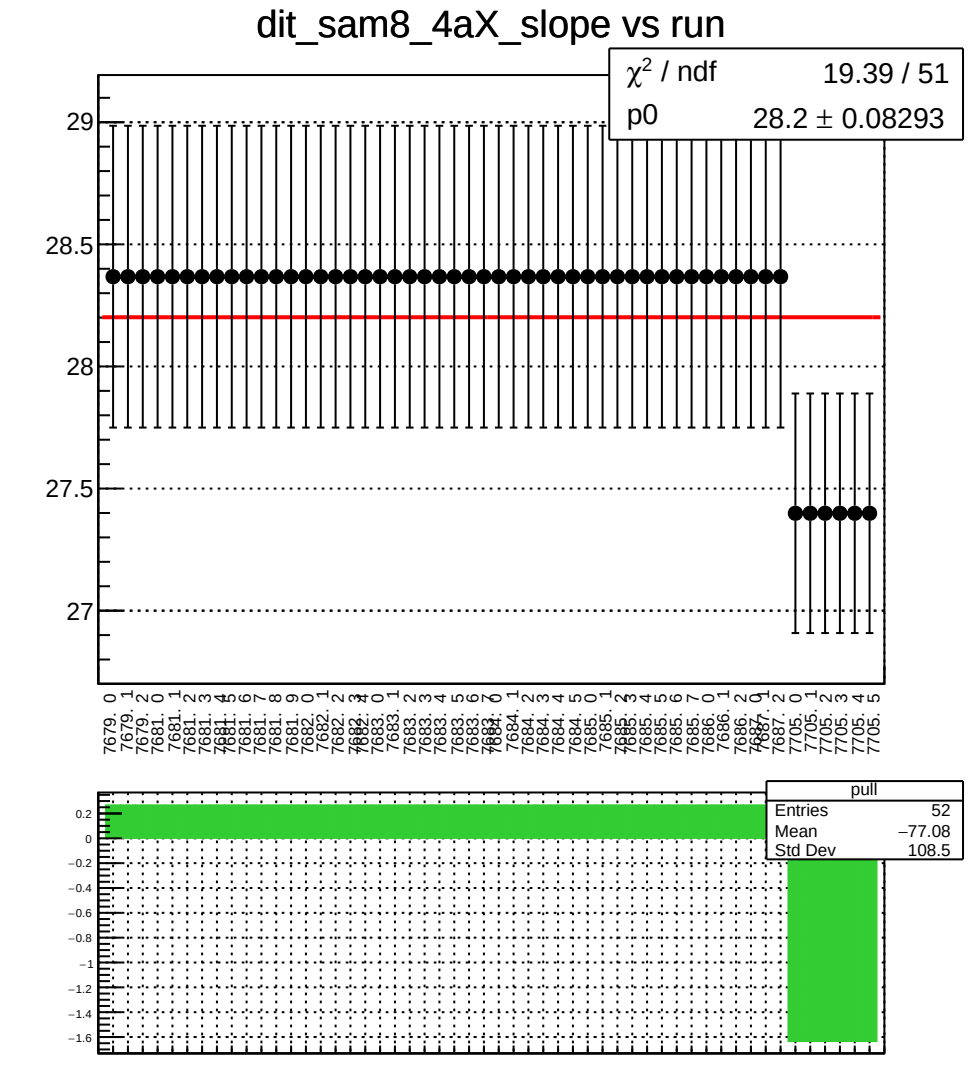

dit_sam7_11X12X_slope vs run
χ² / ndf 32.74 / 51
p0 1.233 ± 0.04308
pull
Entries 52
Mean −91.98
Std Dev 123.6

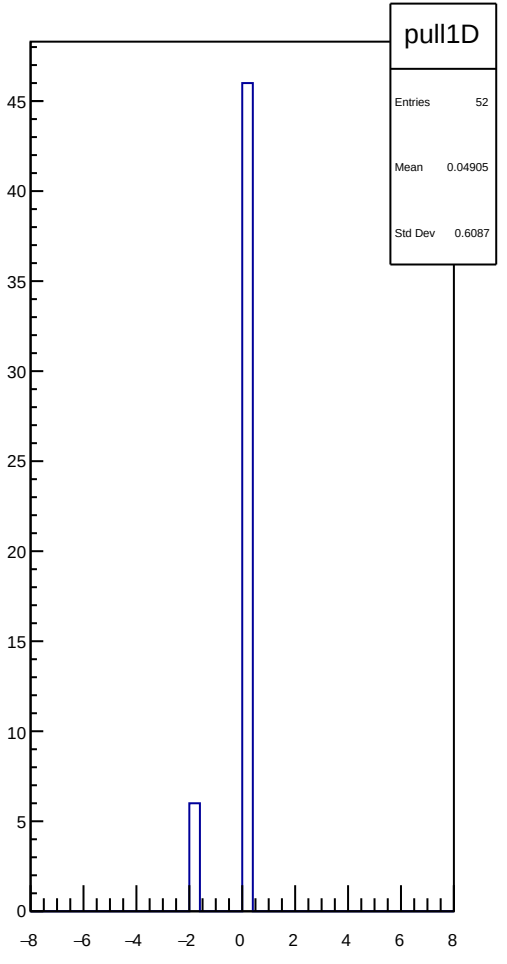

pull1D
Entries 52
Mean 0.05573
Std Dev 0.7915

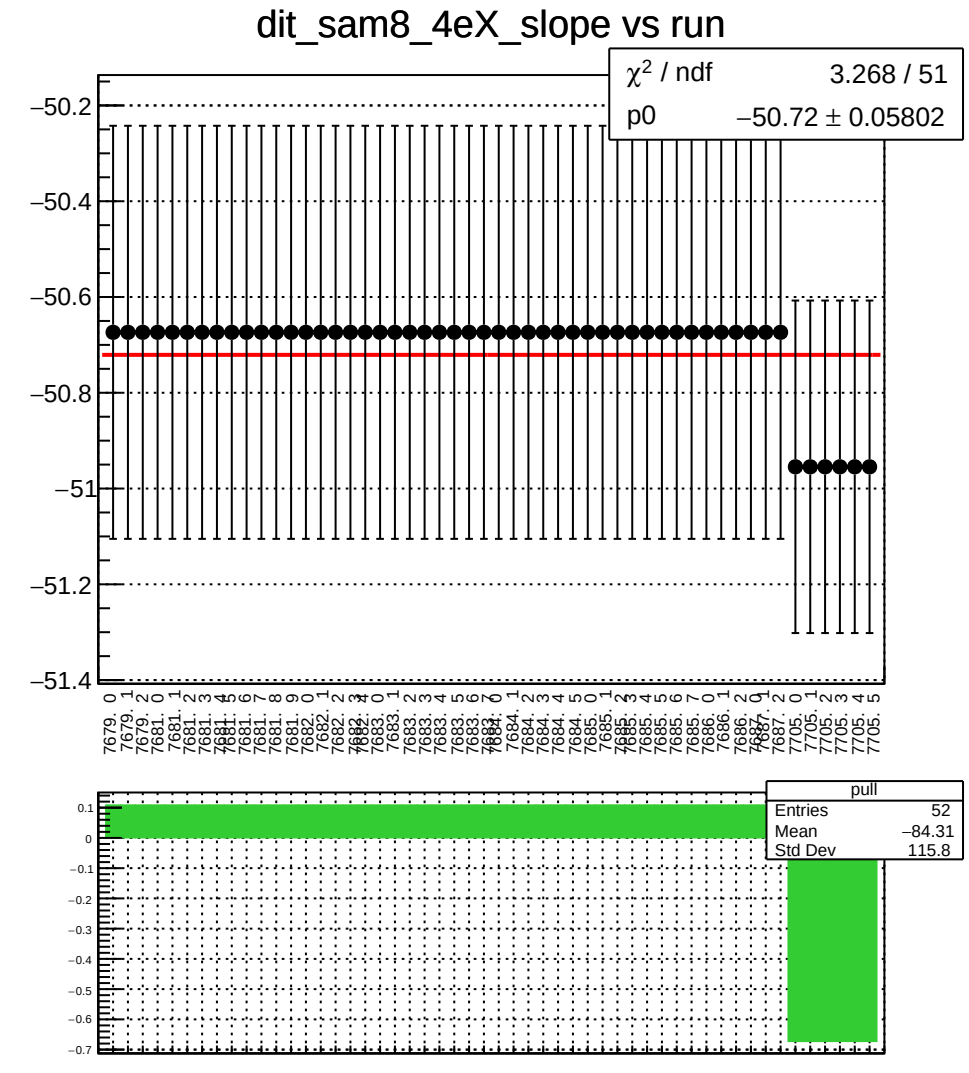

dit_sam7_4aY_slope vs run
χ² / ndf 3.714 / 51
p0 9.768 ± 0.06648
pull
Entries 52
Mean −98.81
Std Dev 130.5

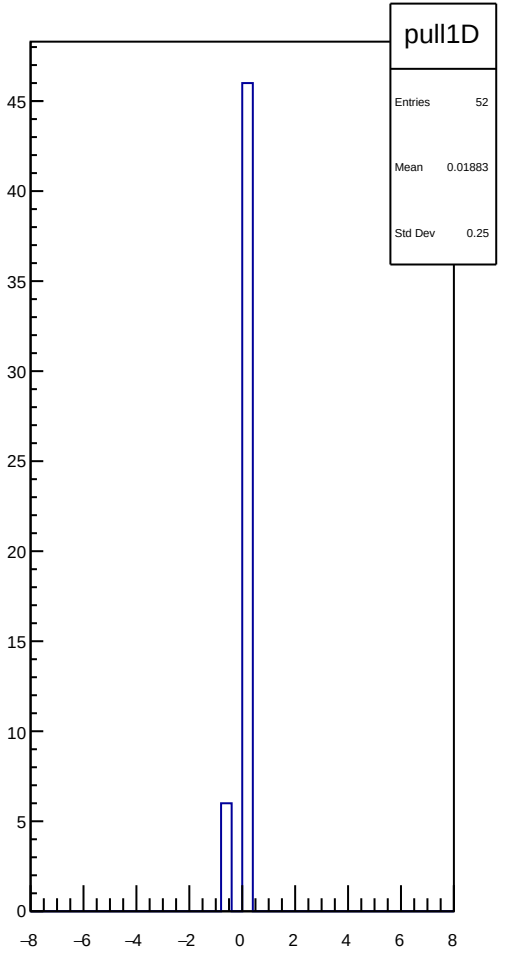

pull1D
Entries 52
Mean −0.01775
Std Dev 0.2667

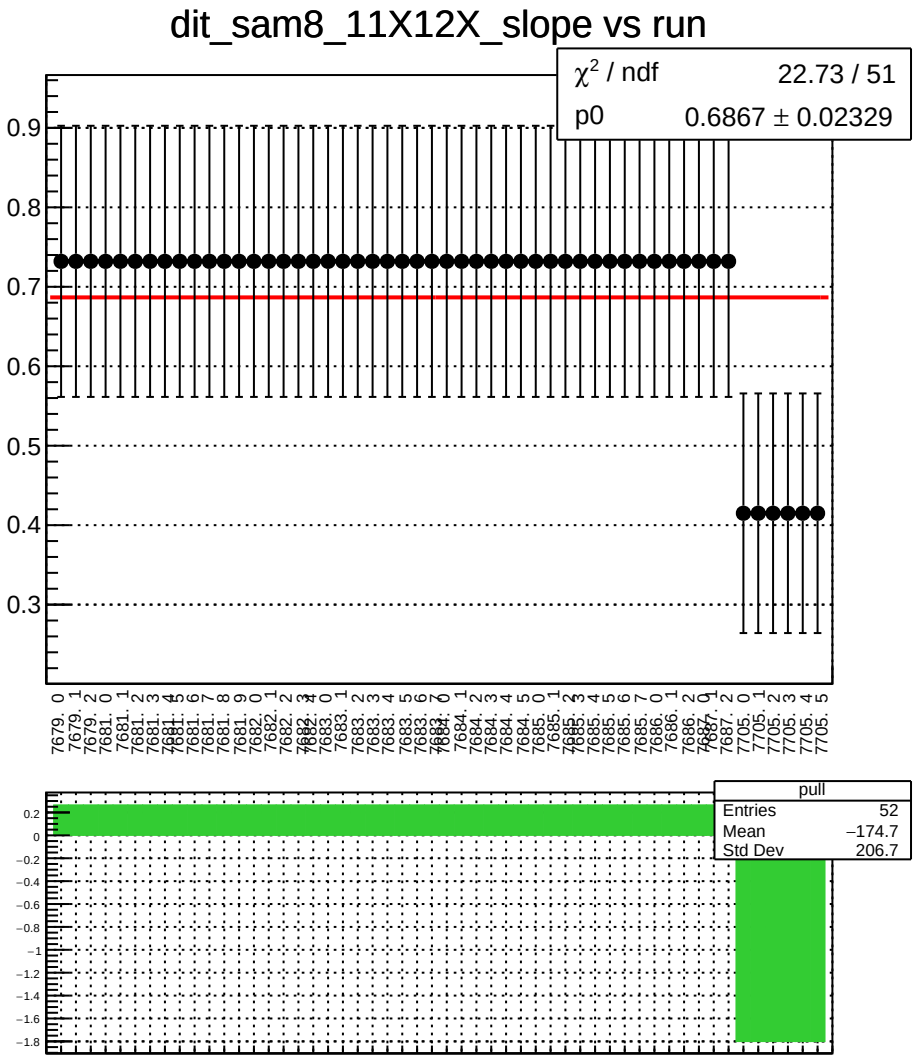

dit_sam7_4eY_slope vs run
χ² / ndf 10.44 / 51
p0 −15.43 ± 0.06267
pull
Entries 52
Mean −446.9
Std Dev 479.3
pull1D
Entries 52
Mean 0.00787
Std Dev 0.4481

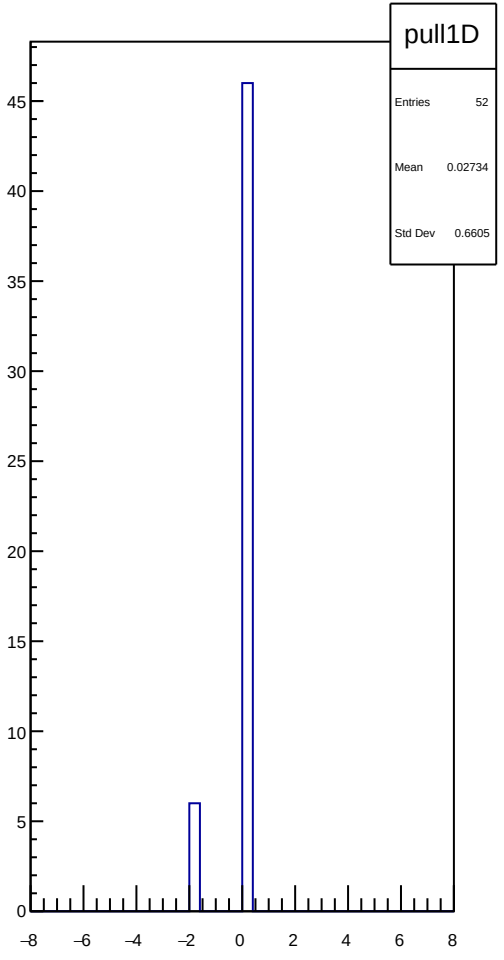

dit_sam8_4aX_slope vs run
χ^2 / ndf 19.39 / 51
p0 28.2 ± 0.08293
29
28.5
28
27.5
27
pull
Entries 52
Mean −77.08
Std Dev 108.5
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6

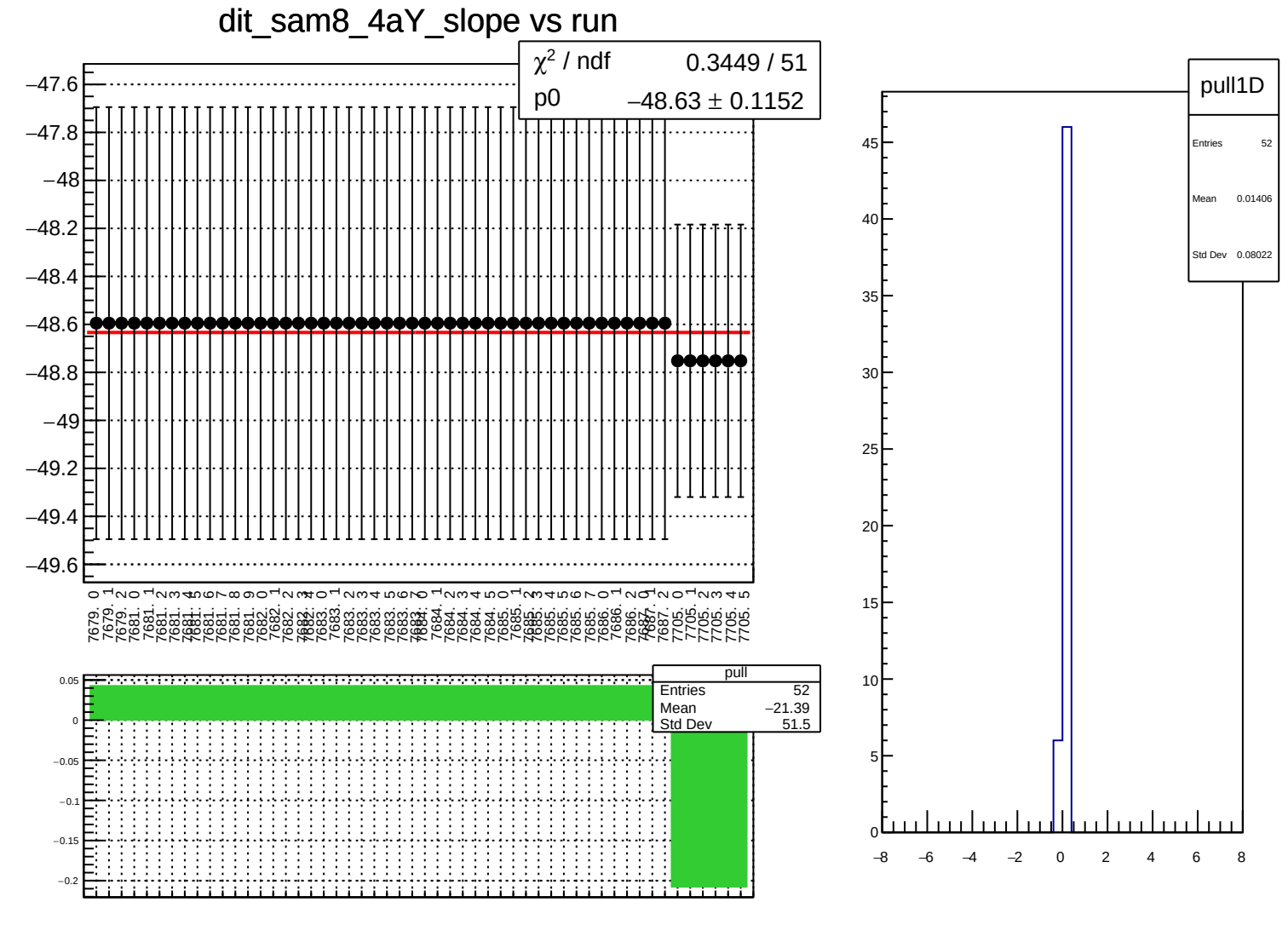

pull1D
Entries 52
Mean 0.04905
Std Dev 0.6087
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

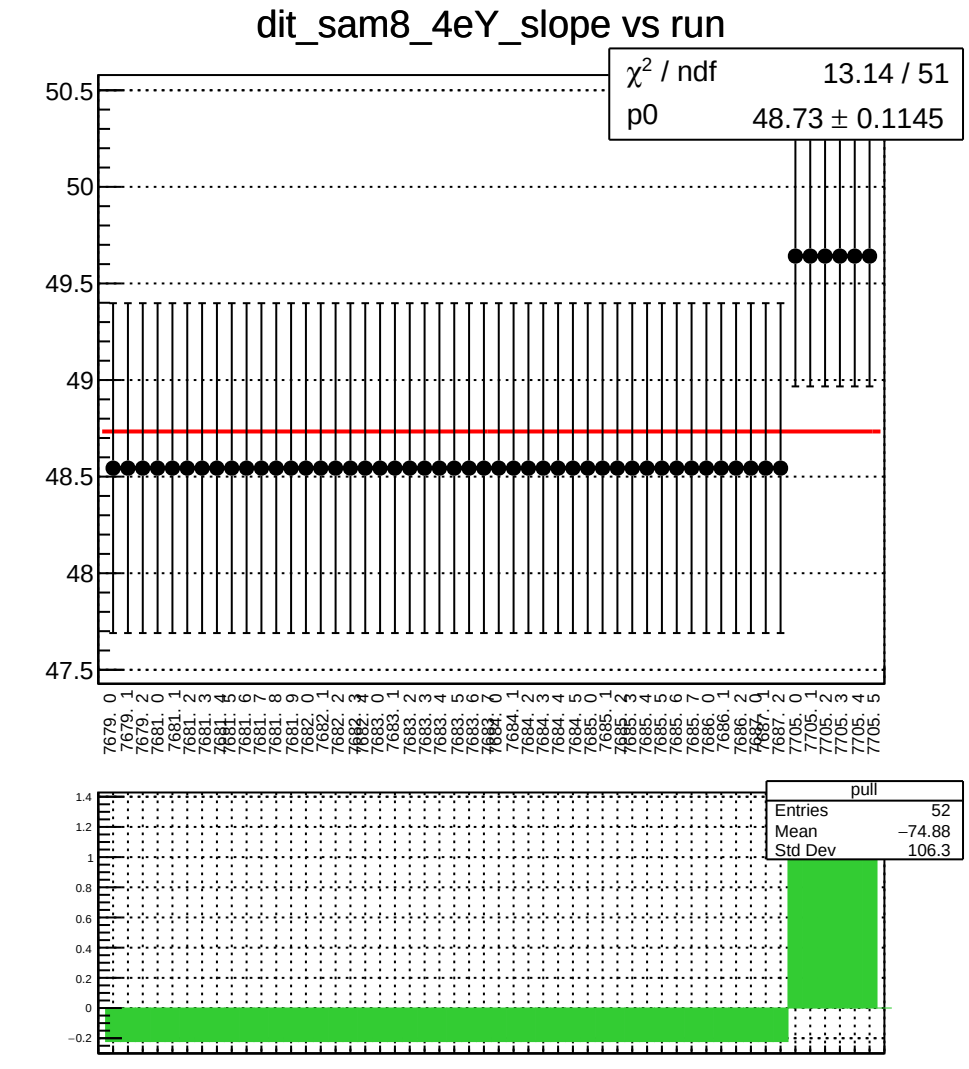

dit_sam8_4eX_slope vs run
χ^2 / ndf 3.268 / 51
p0 −50.72 ± 0.05802
−50.2
−50.4
−50.6
−50.8
−51
−51.2
−51.4
pull
Entries 52
Mean −84.31
Std Dev 115.8
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7

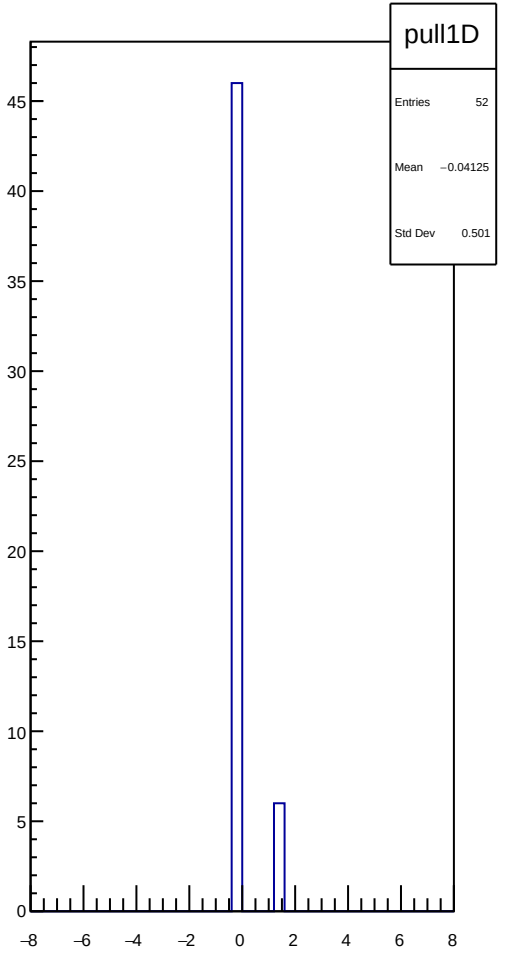

pull1D
Entries 52
Mean 0.01883
Std Dev 0.25
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

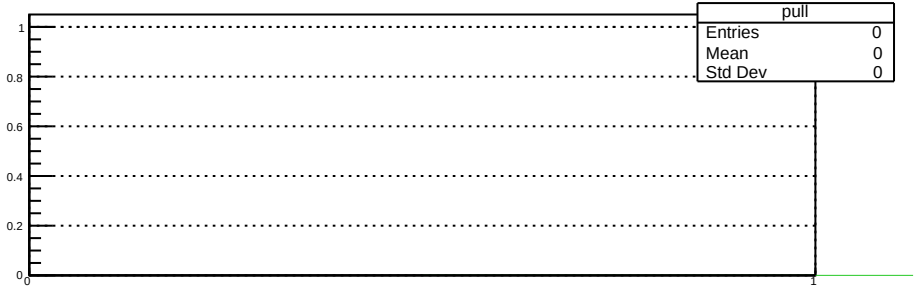

dit_sam8_11X12X_slope vs run
χ² / ndf 22.73 / 51
p0 0.6867 ± 0.02329
pull
Entries 52
Mean −174.7
Std Dev 206.7

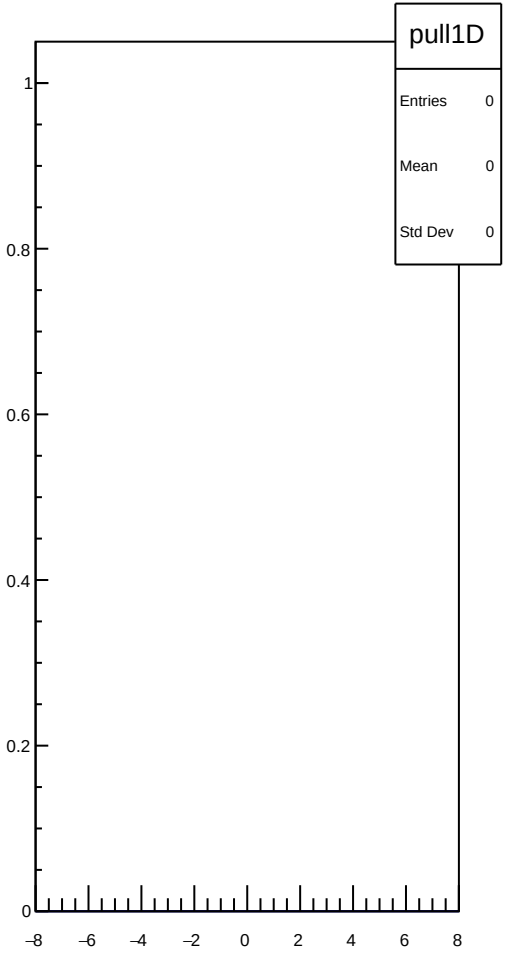

pull1D
Entries 52
Mean 0.02734
Std Dev 0.6605

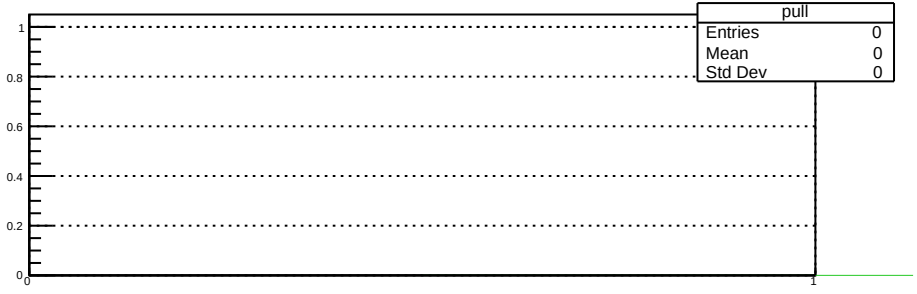

dit_sam8_4aY_slope vs run
χ² / ndf 0.3449 / 51
p0 −48.63 ± 0.1152
−47.6
−47.8
−48
−48.2
−48.4
−48.6
−48.8
−49
−49.2
−49.4
−49.6
pull
Entries 52
Mean −21.39
Std Dev 51.5
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 52
Mean 0.01406
Std Dev 0.08022
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

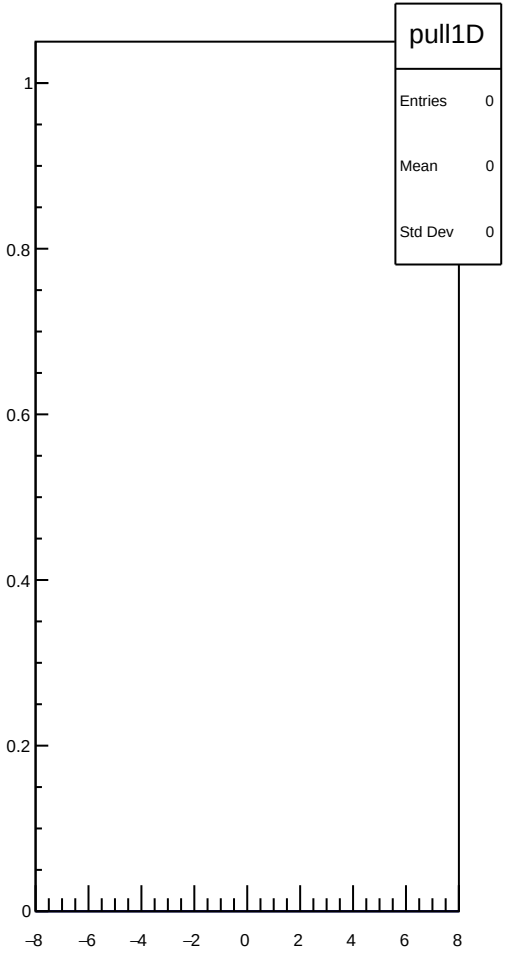

dit_sam8_4eY_slope vs run
χ² / ndf 13.14 / 51
p0 48.73 ± 0.1145
50.5
50
49.5
49
48.5
48
47.5
pull
Entries 52
Mean −74.88
Std Dev 106.3
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2

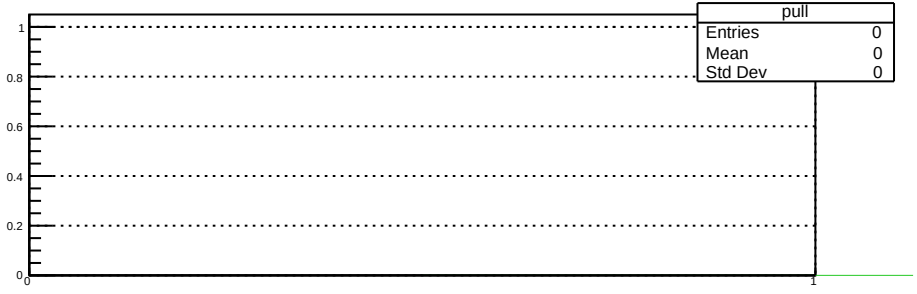

pull1D
Entries 52
Mean −0.04125
Std Dev 0.501
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

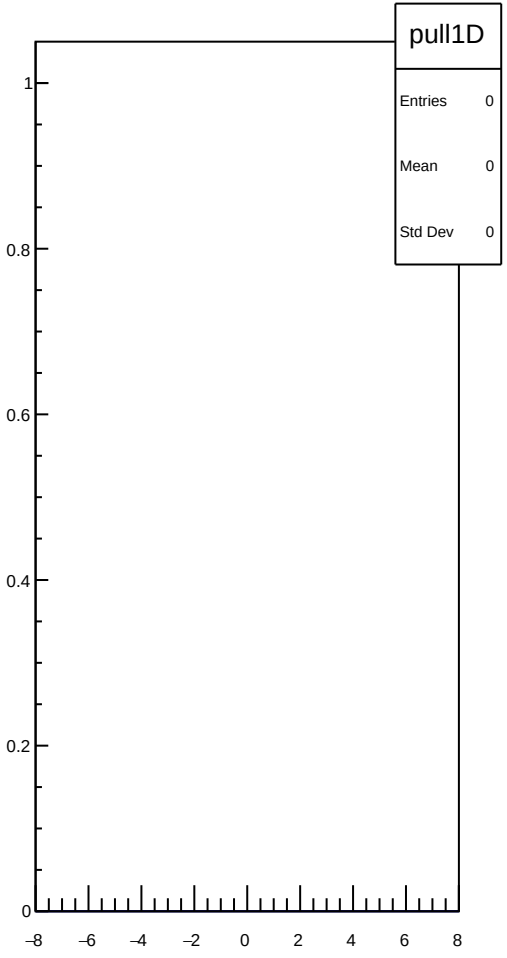

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

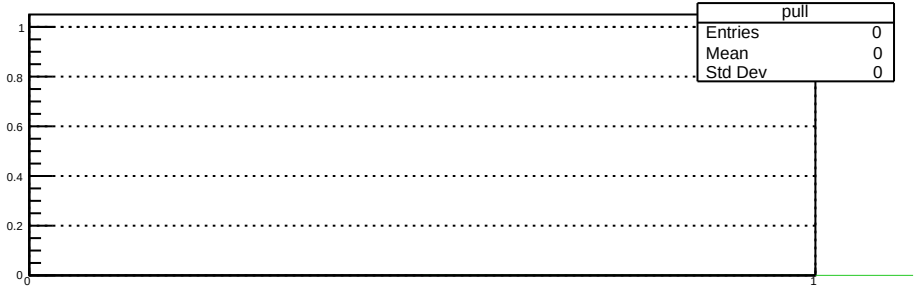

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

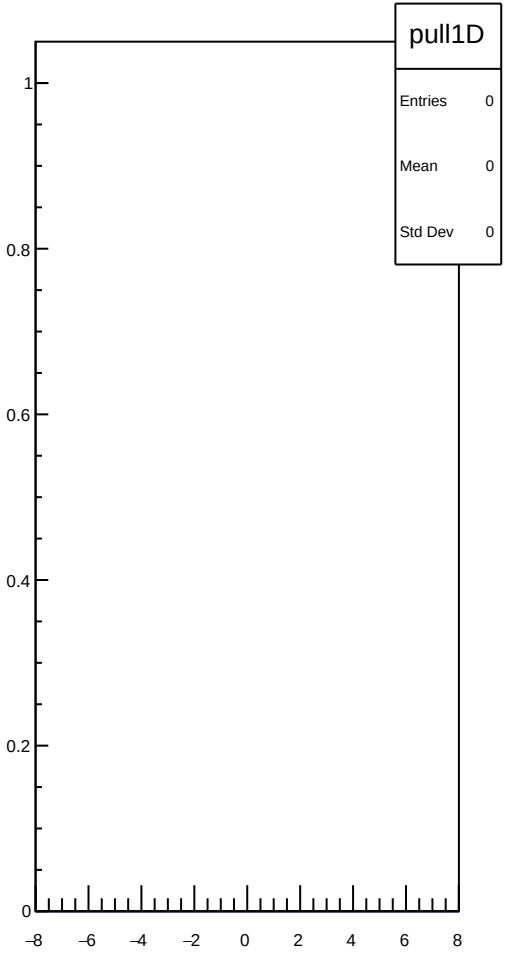

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

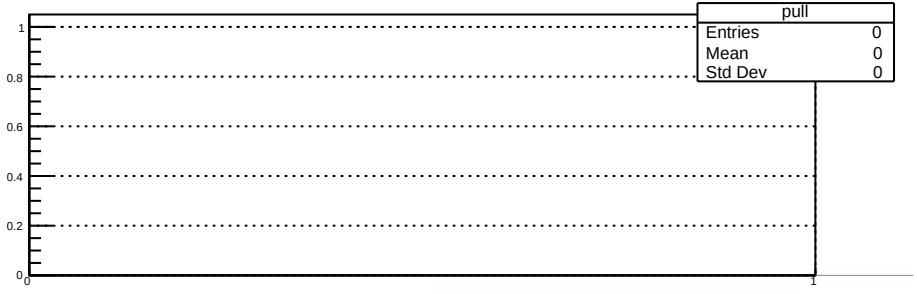

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

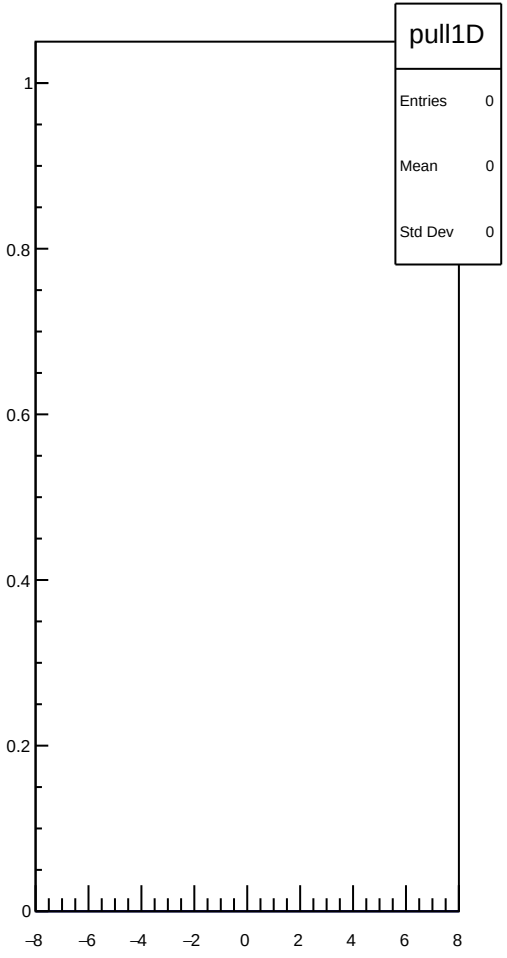

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

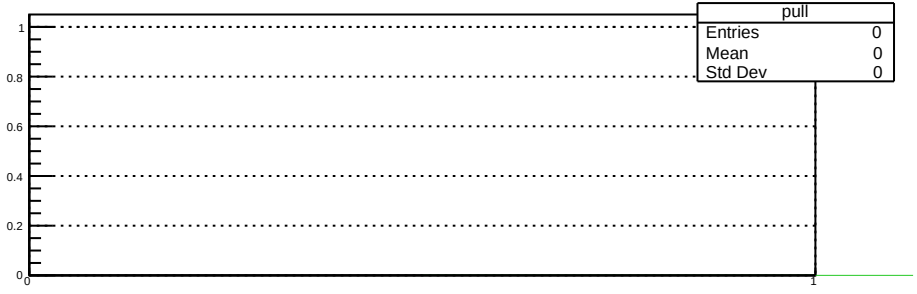

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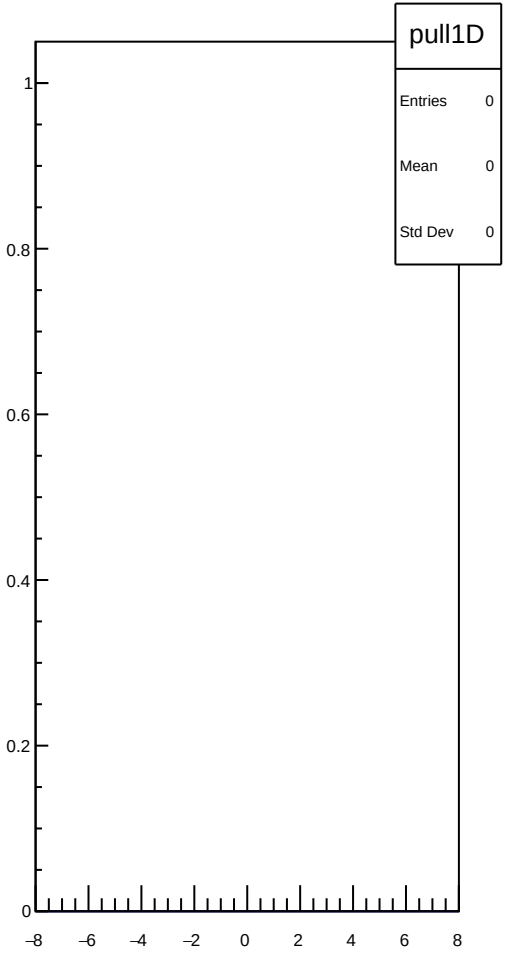

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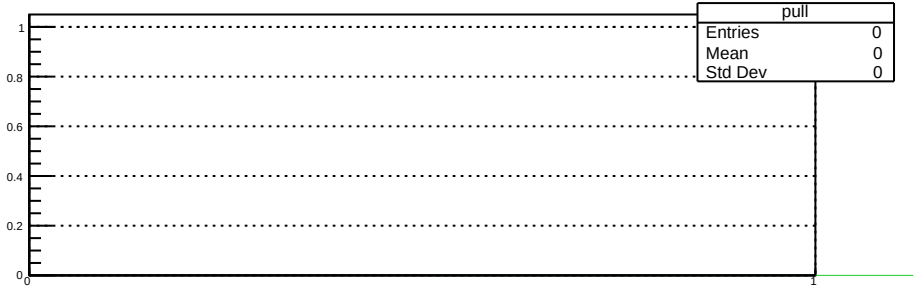

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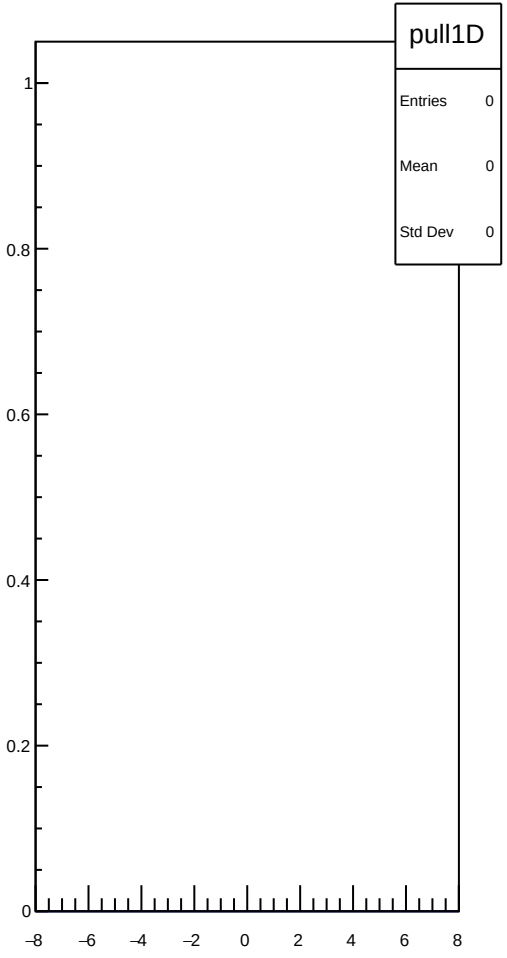

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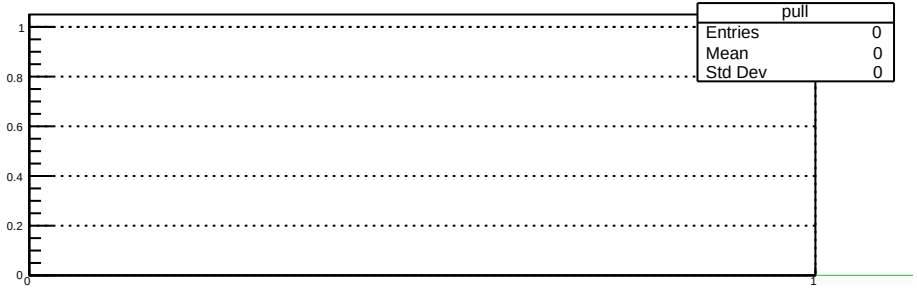

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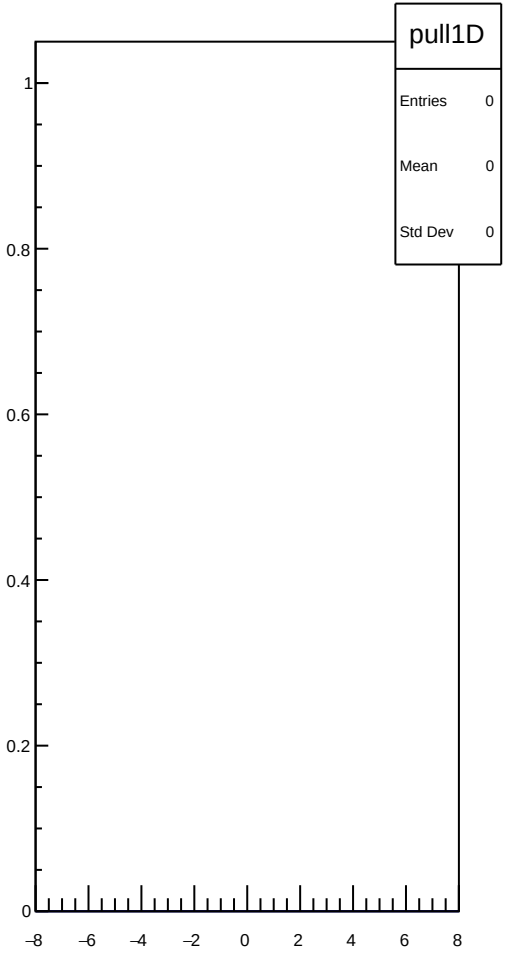

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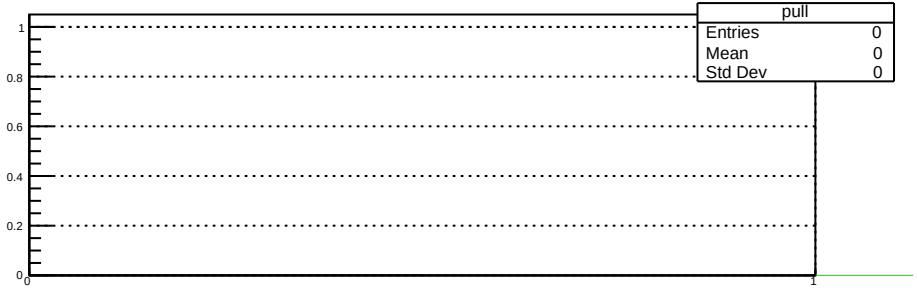

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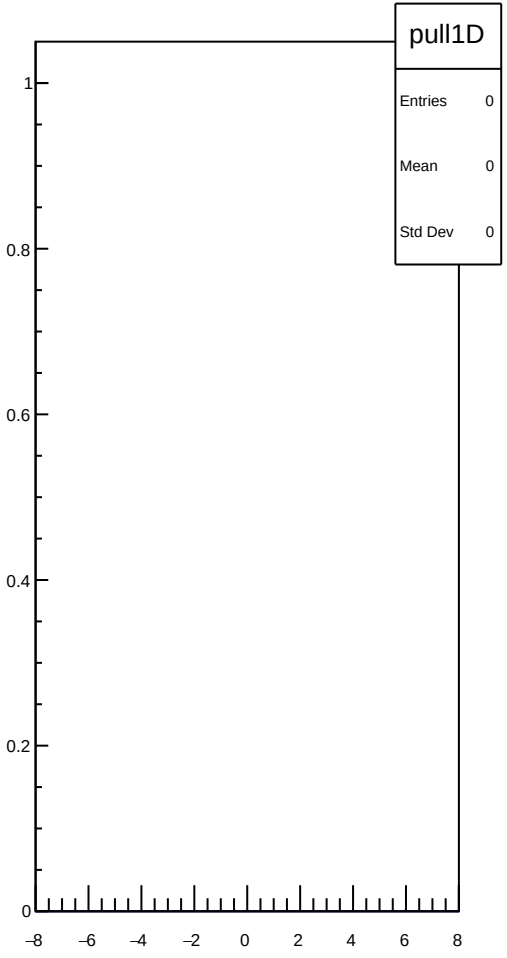

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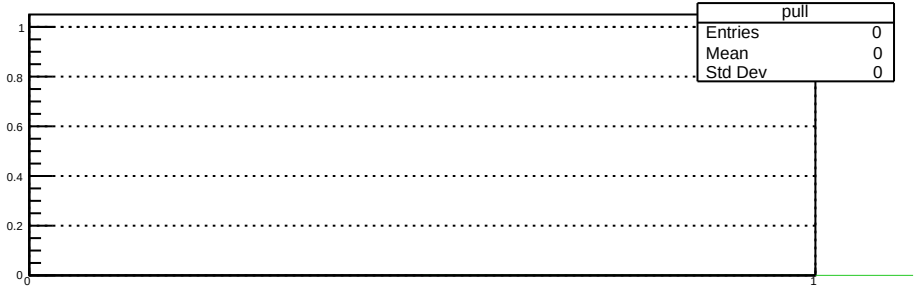

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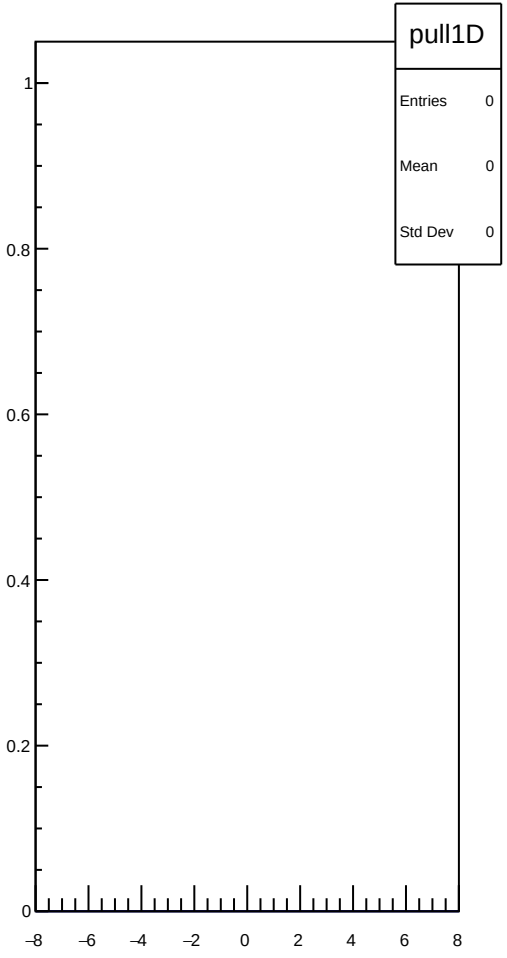

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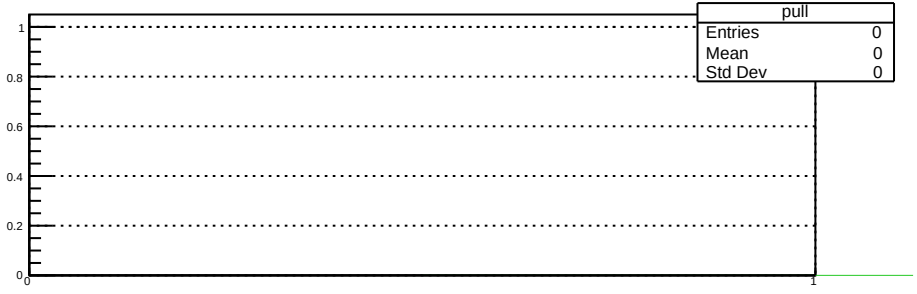

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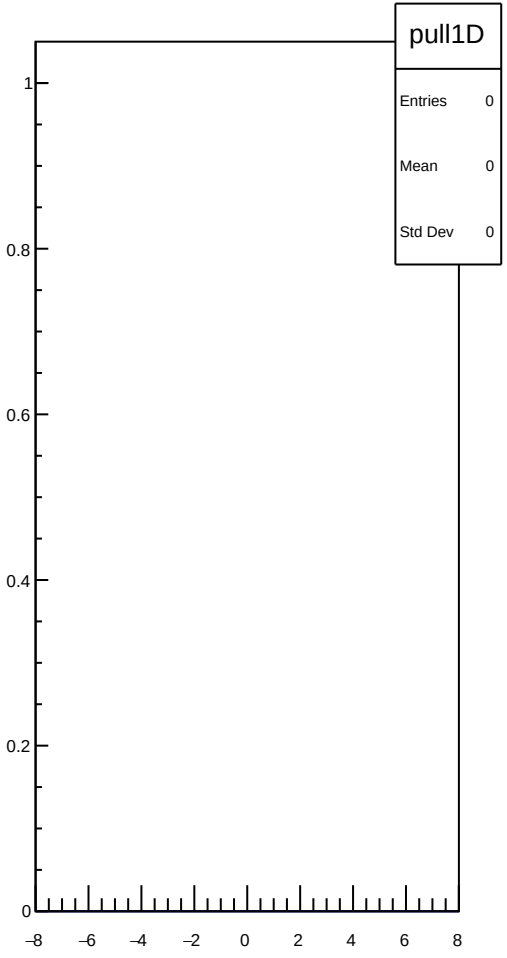

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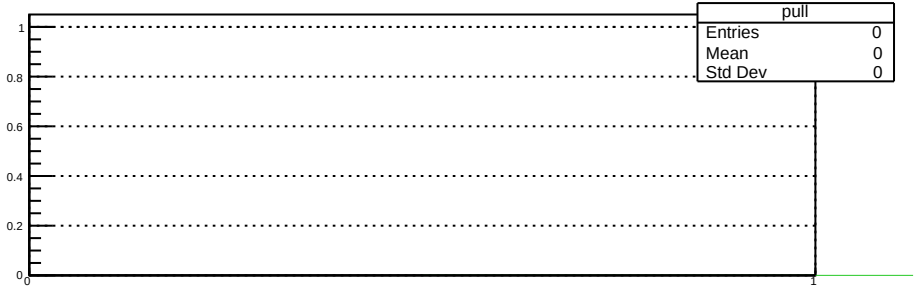

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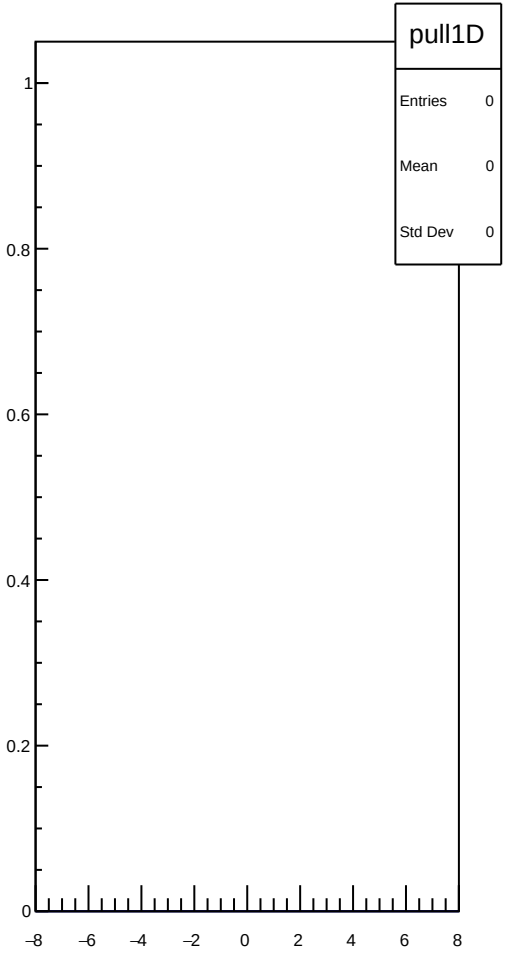

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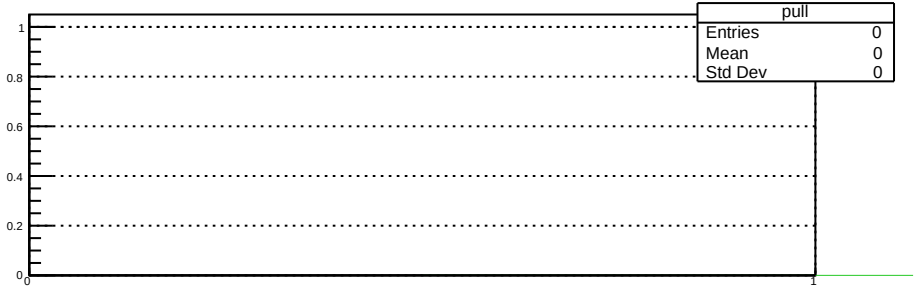

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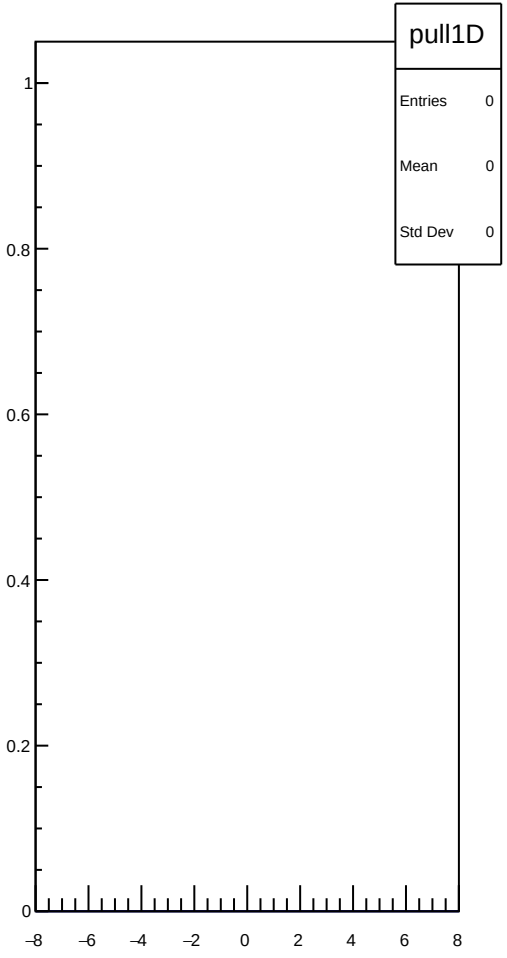

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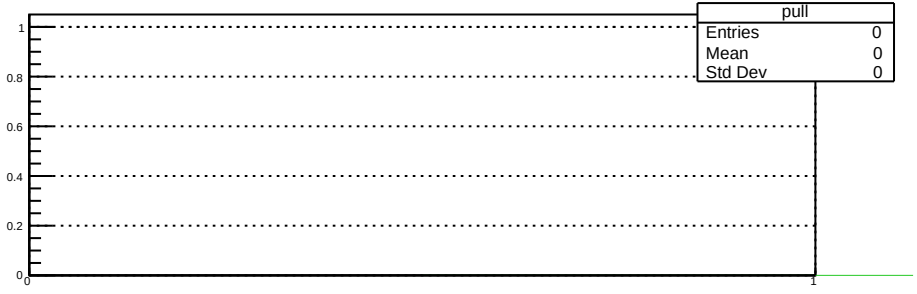

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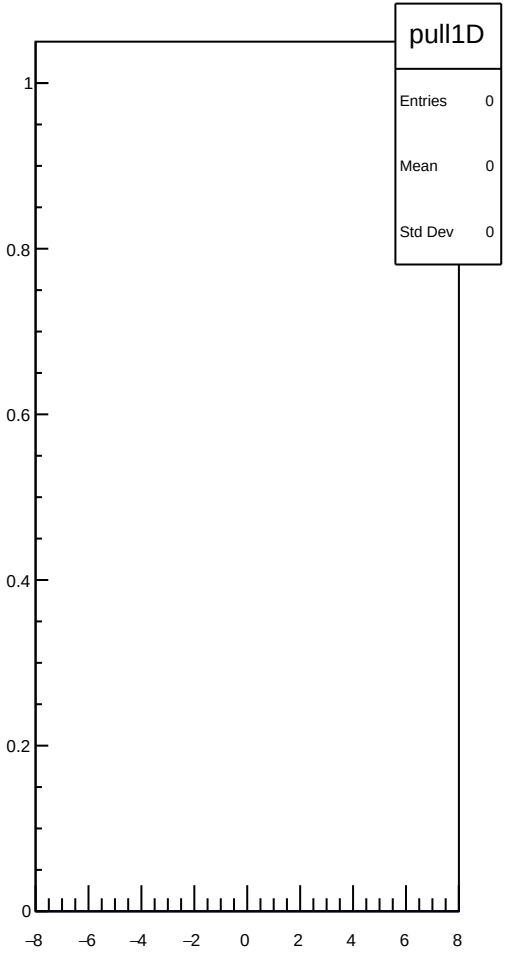

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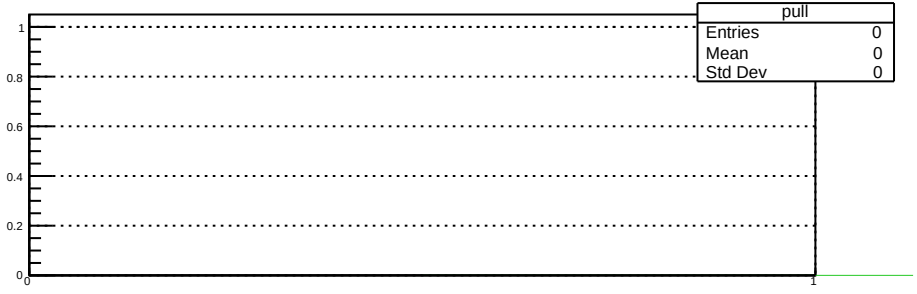

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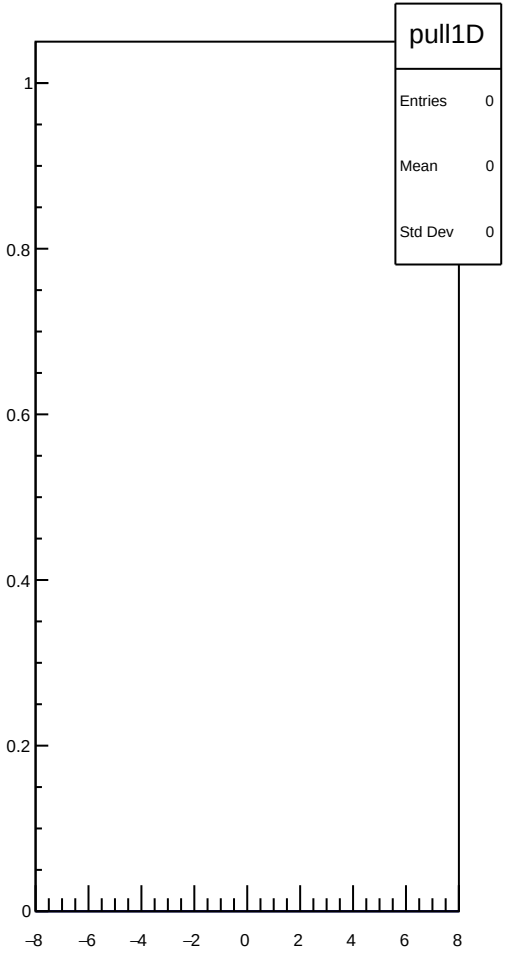

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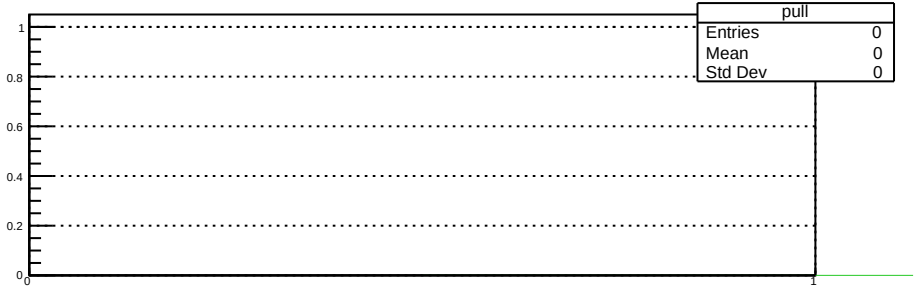

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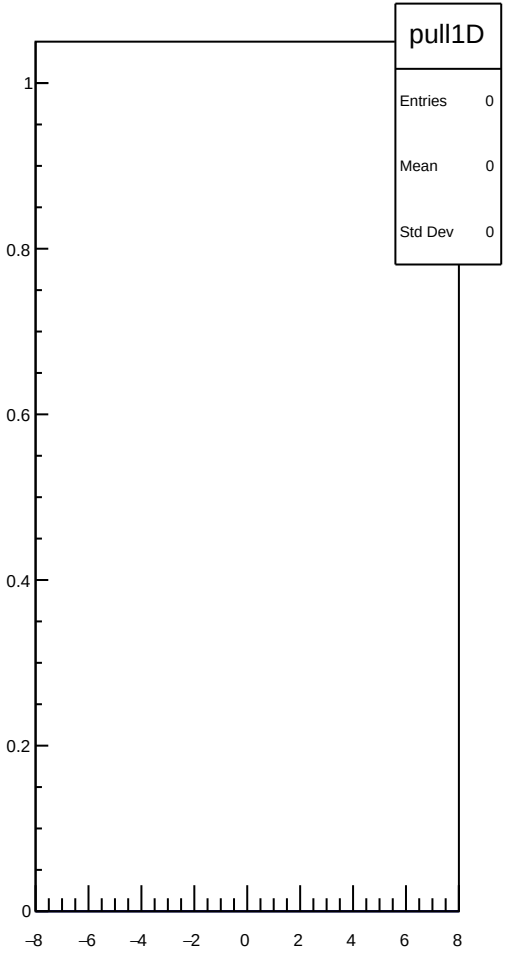

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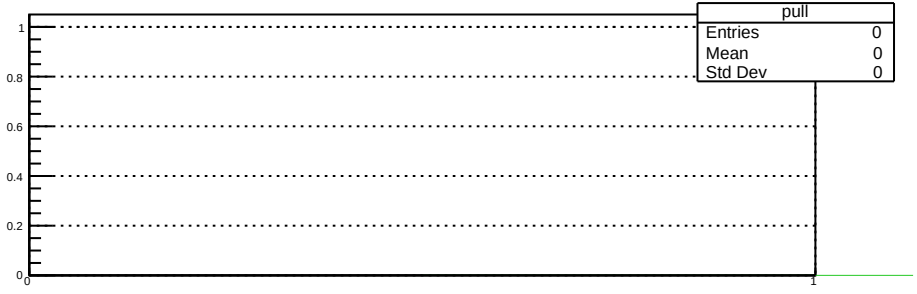

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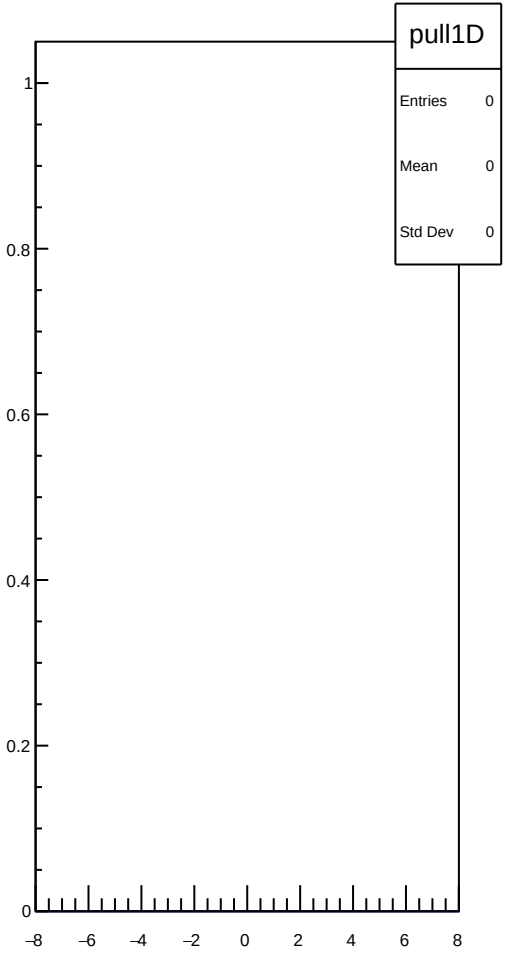

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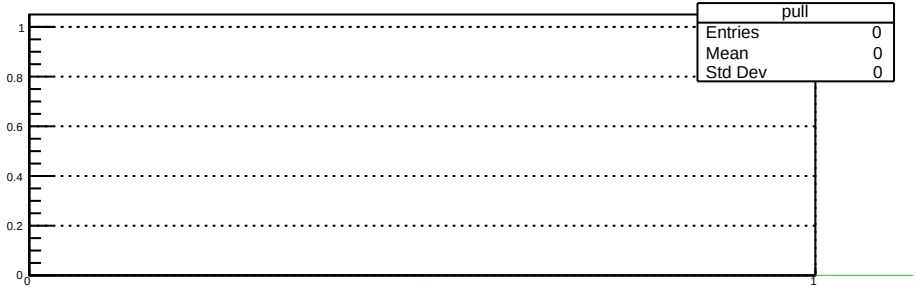

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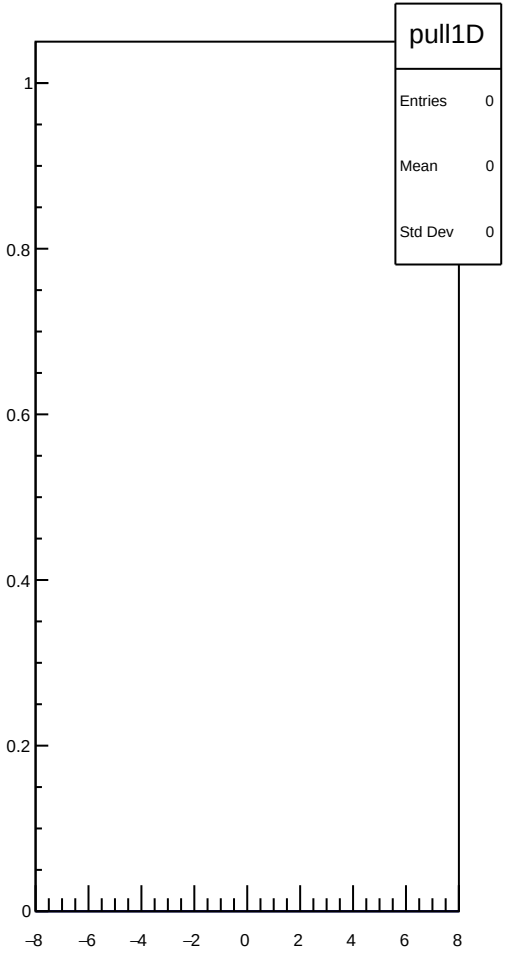

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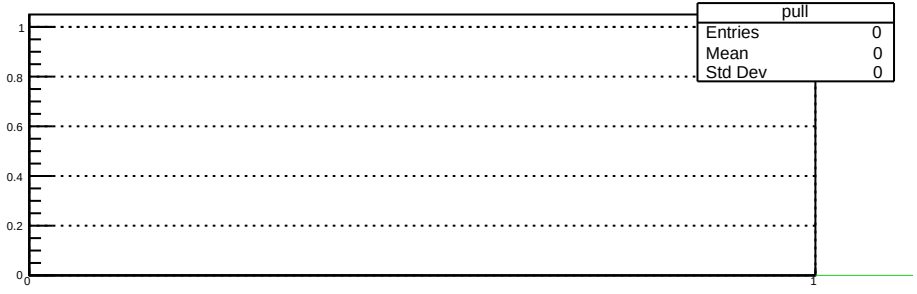

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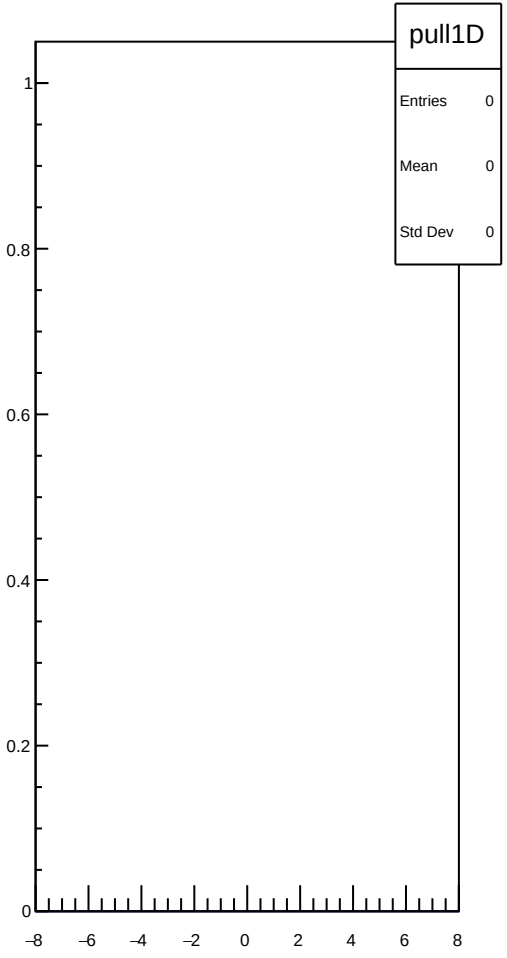

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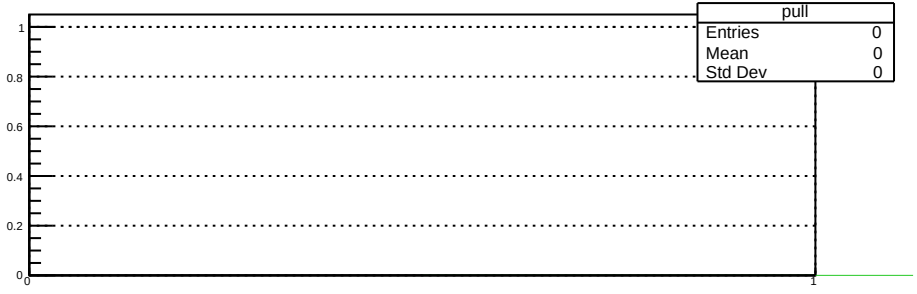

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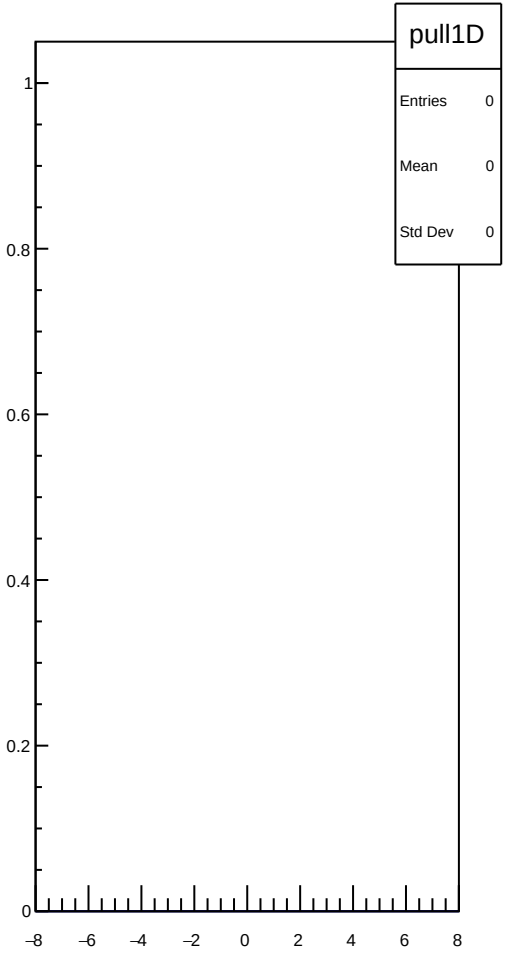

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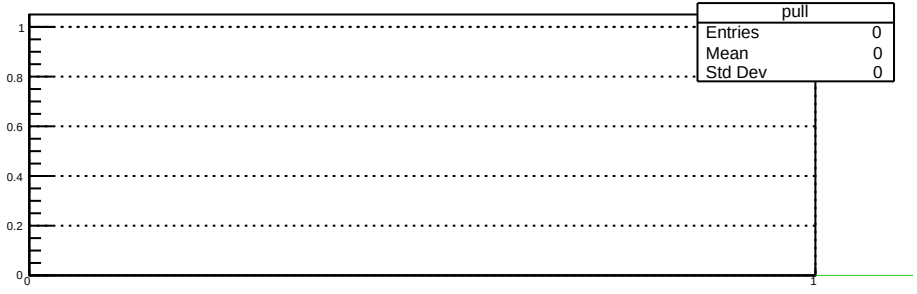

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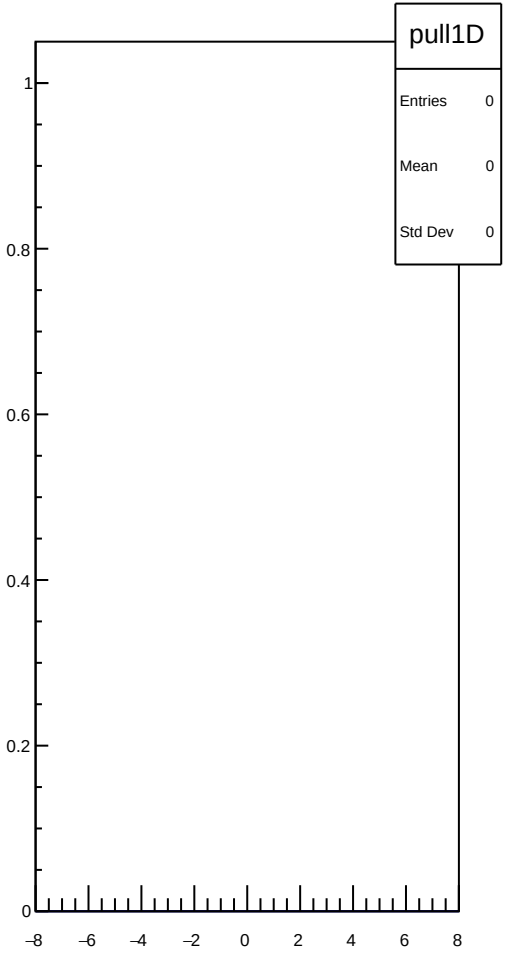

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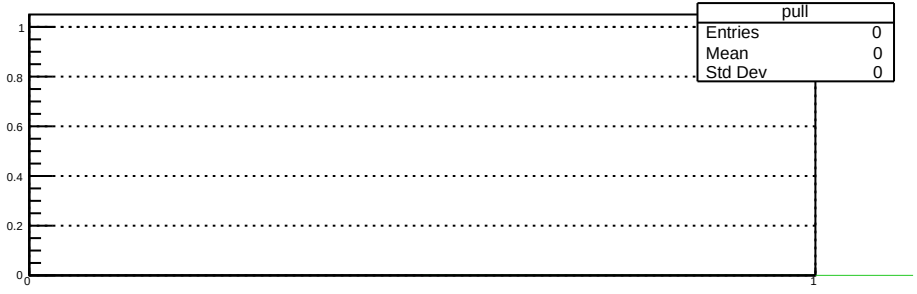

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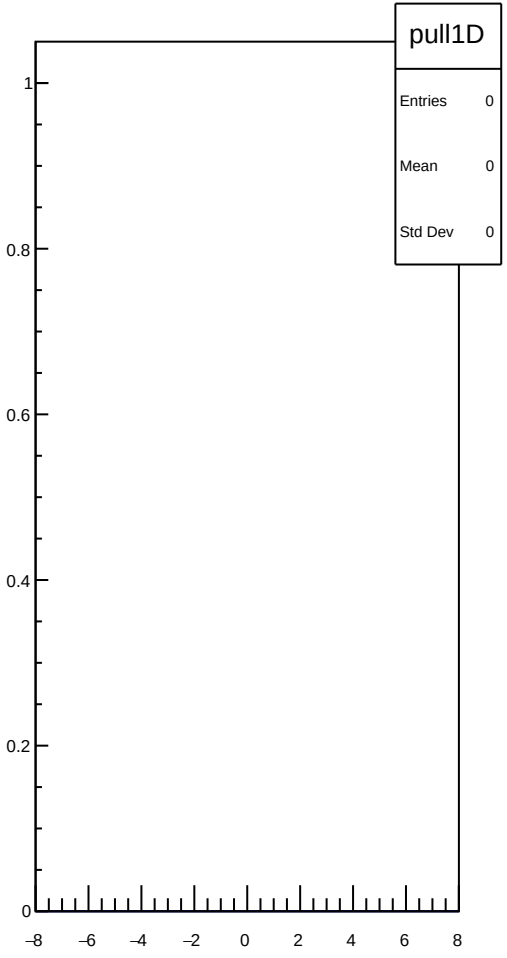

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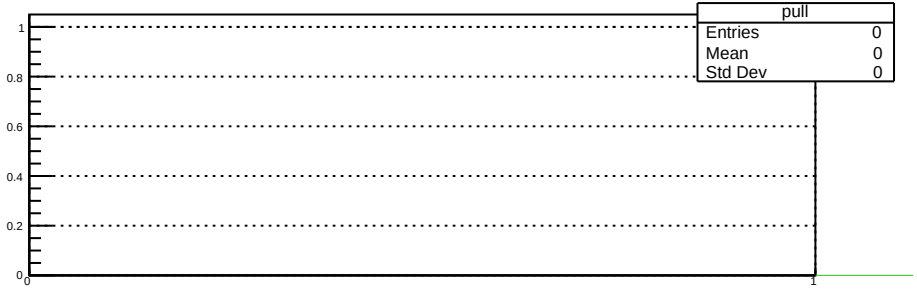

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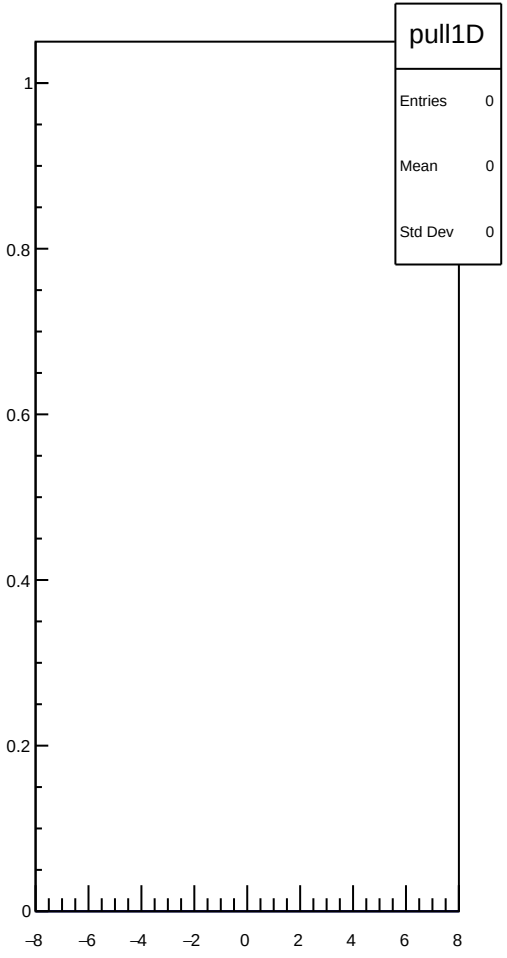

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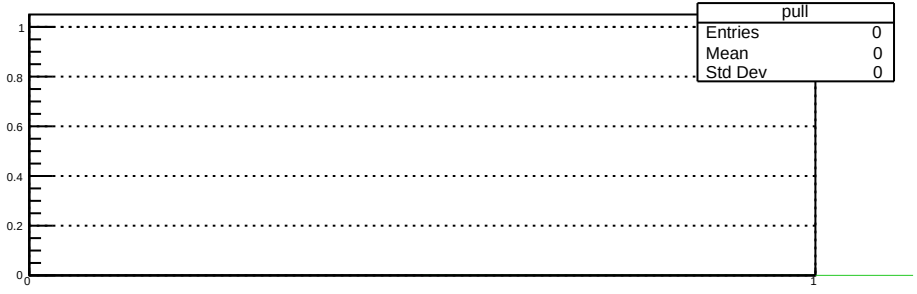

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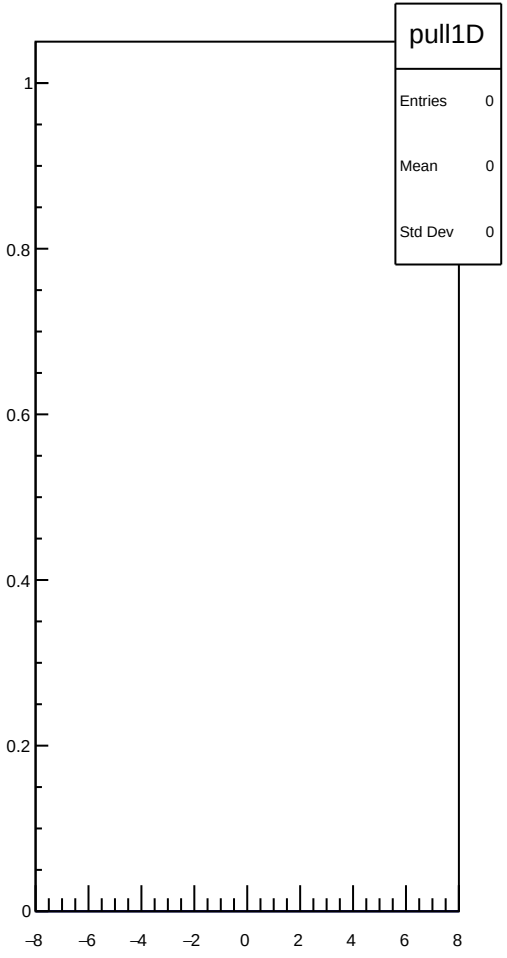

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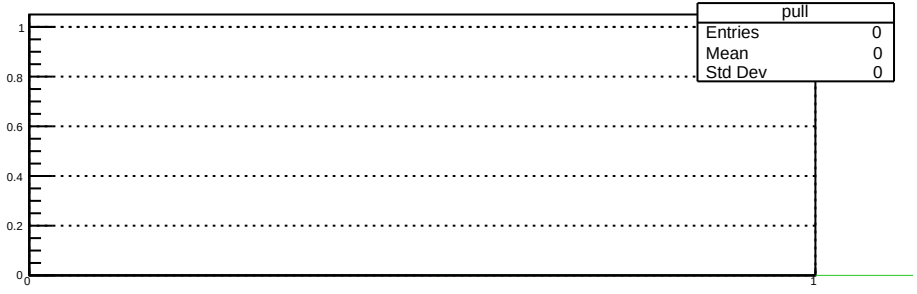

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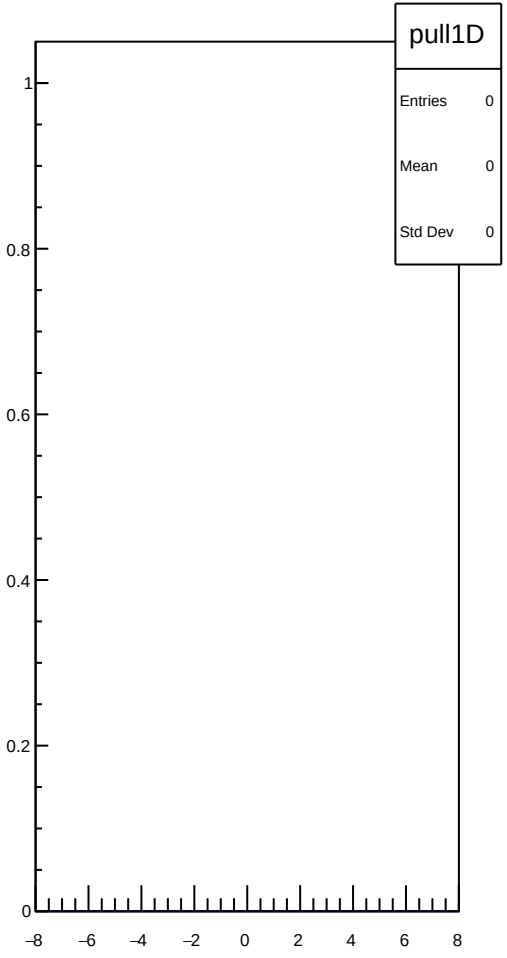

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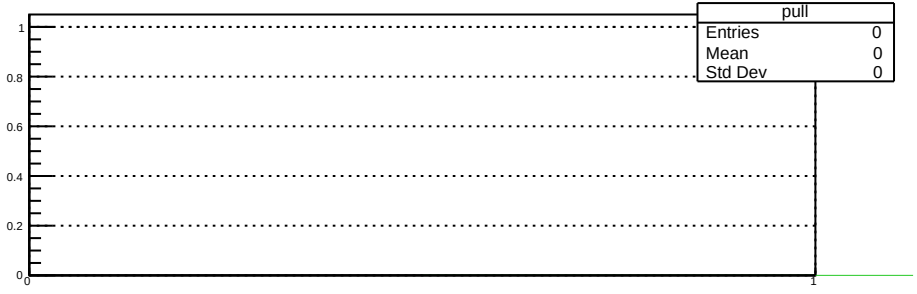

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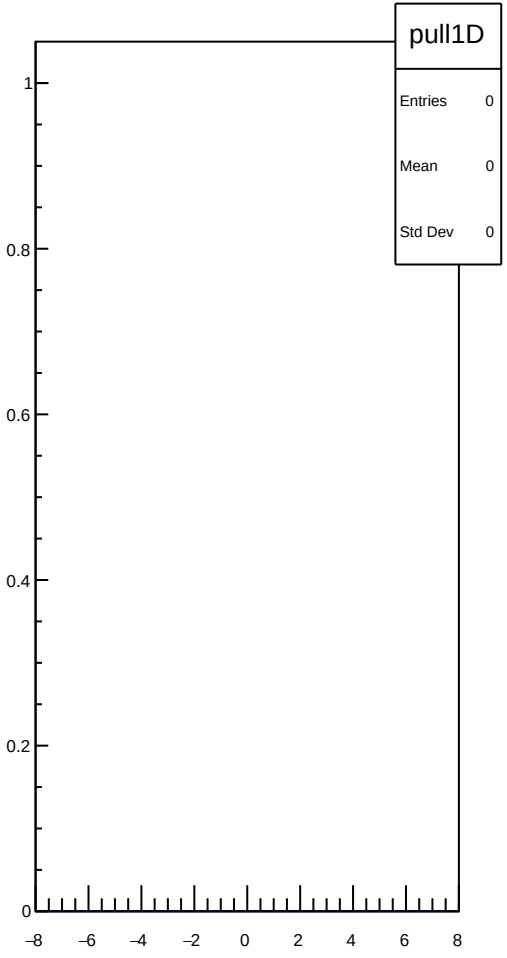

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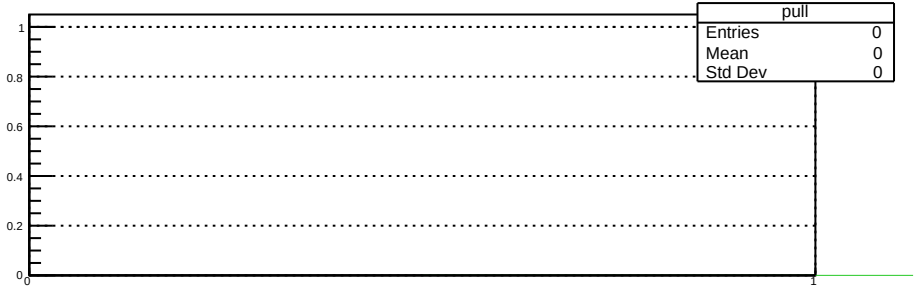

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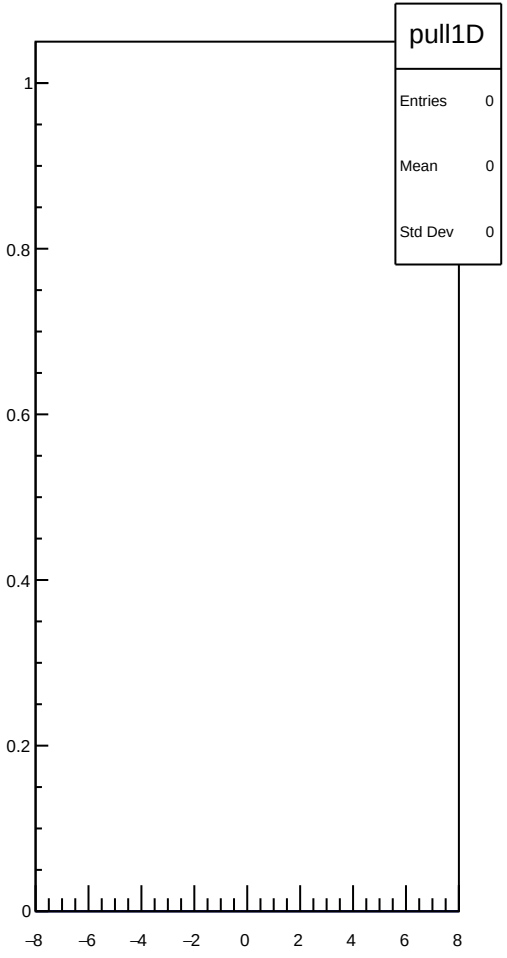

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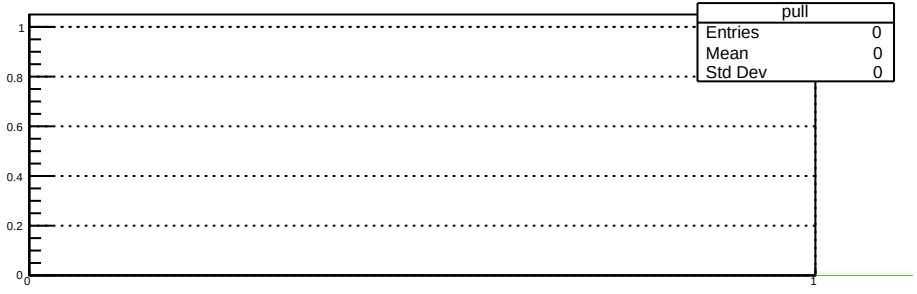

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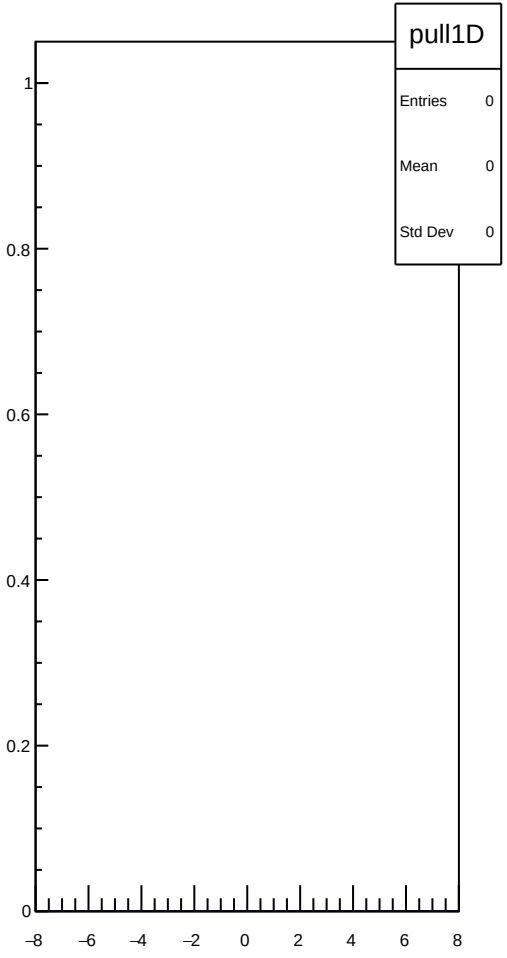

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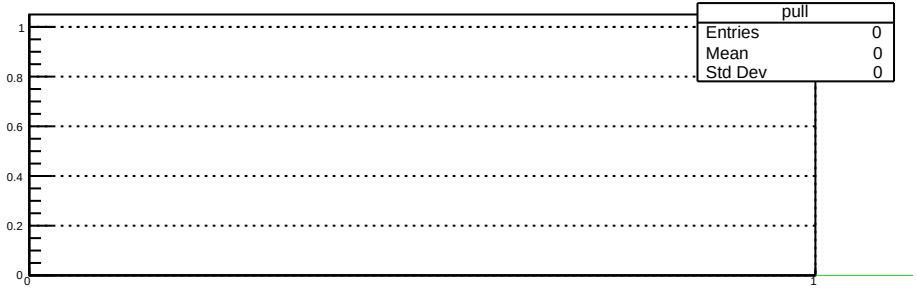

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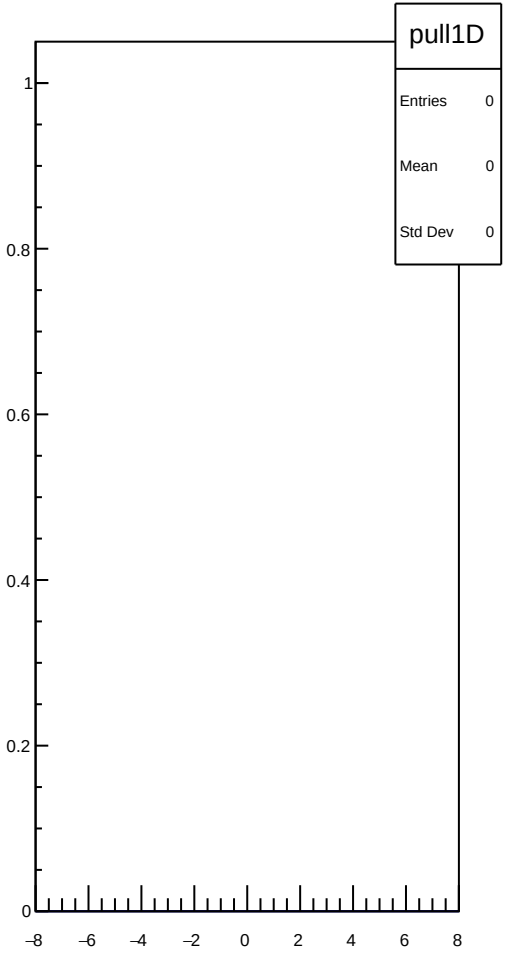

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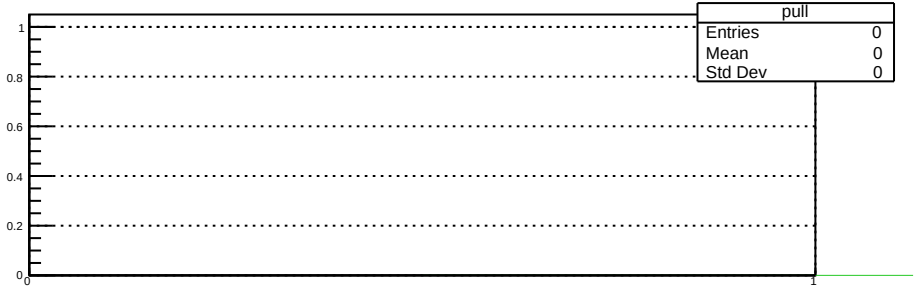

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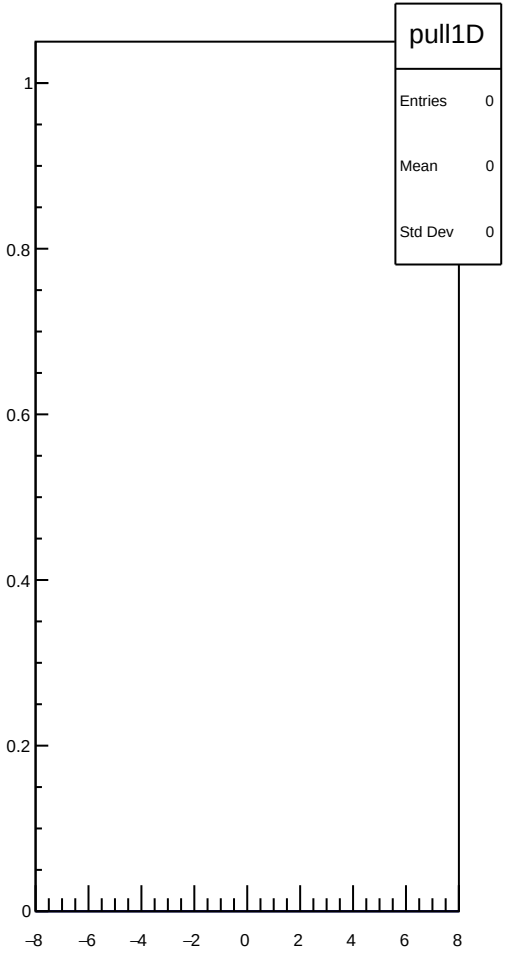

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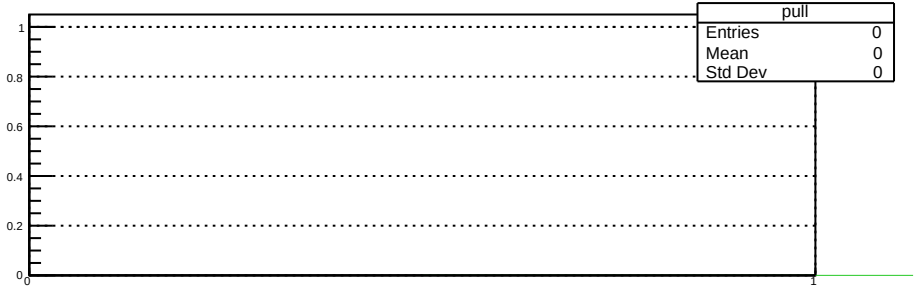

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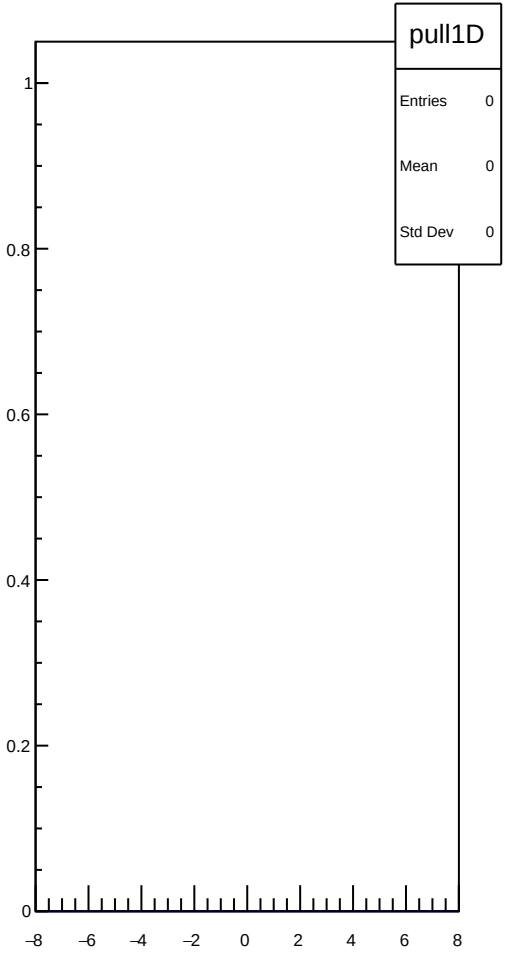

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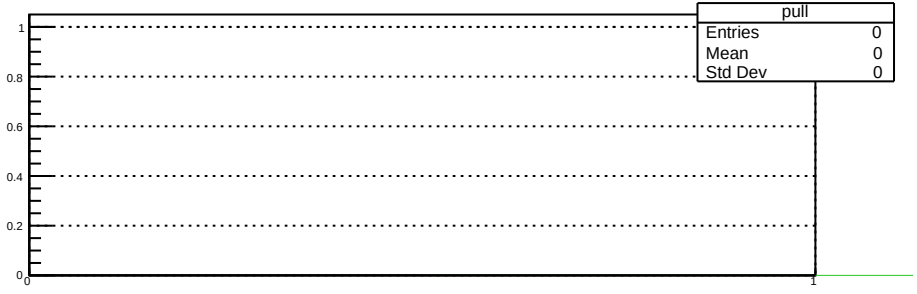

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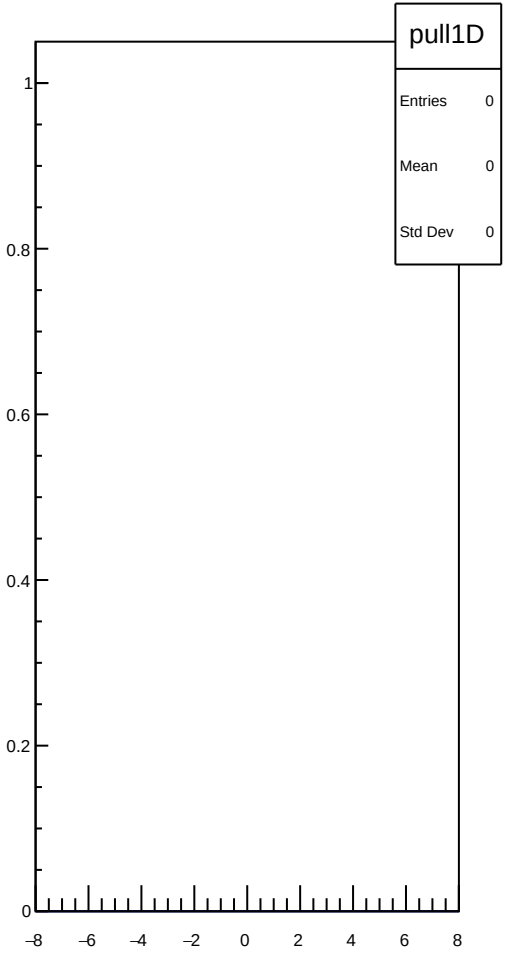

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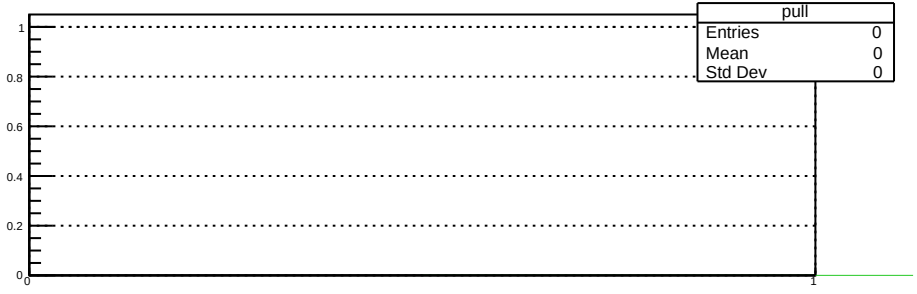

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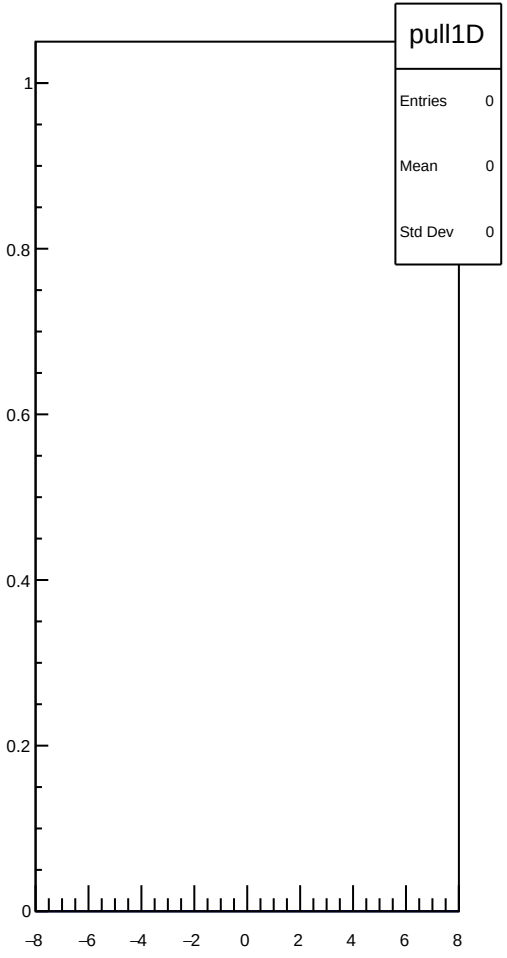

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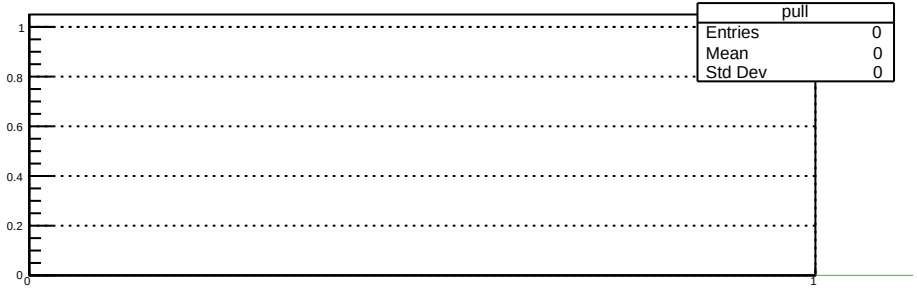

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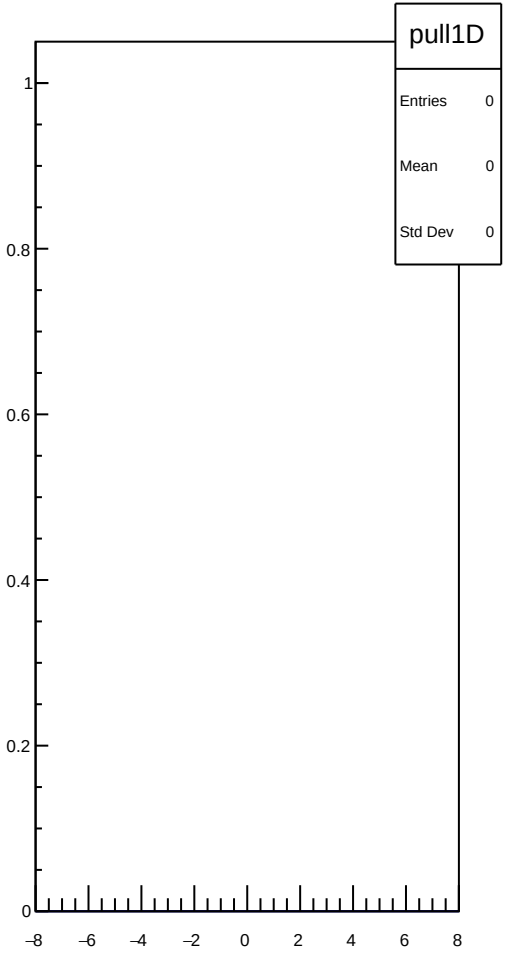

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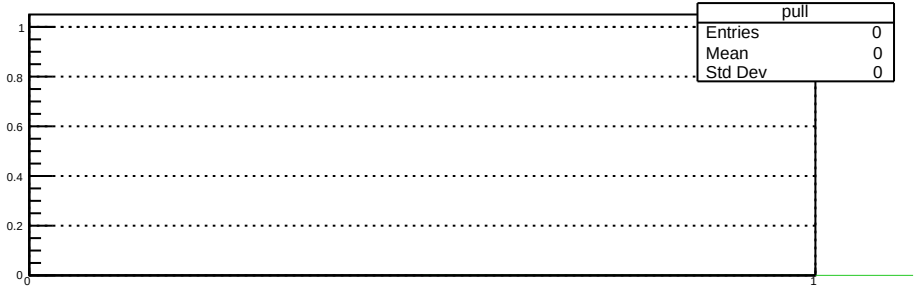

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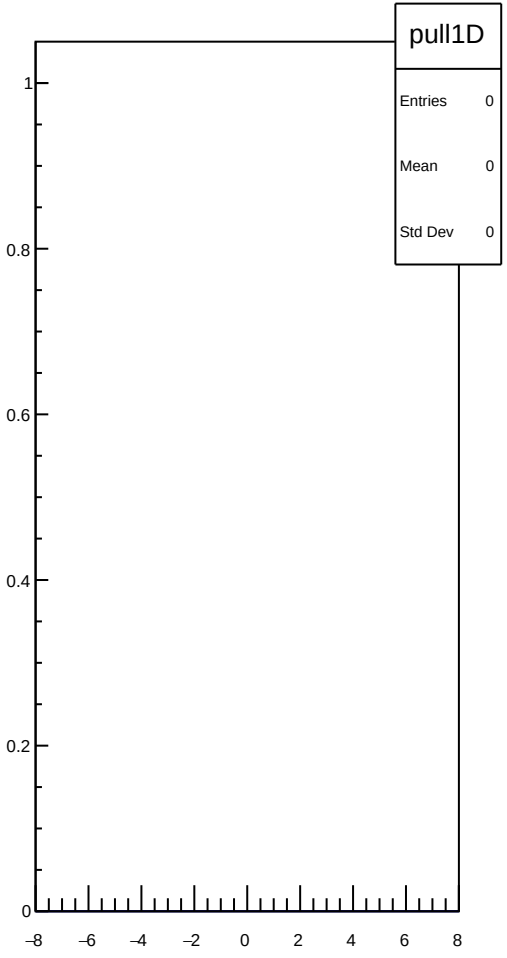

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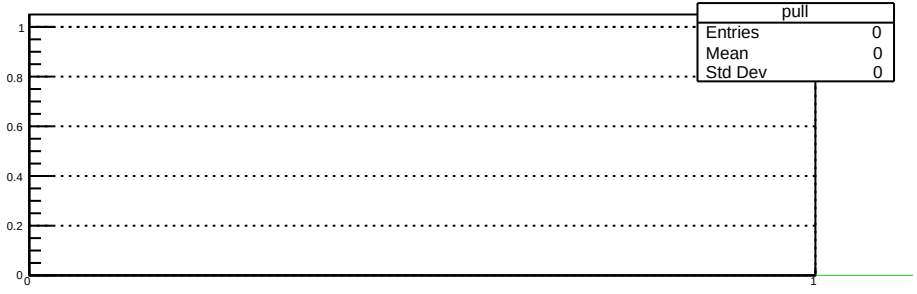

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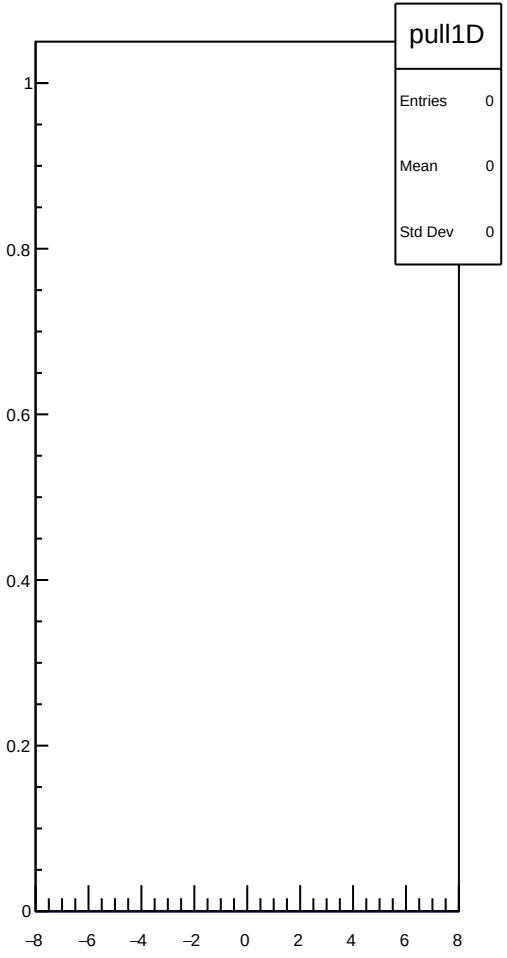

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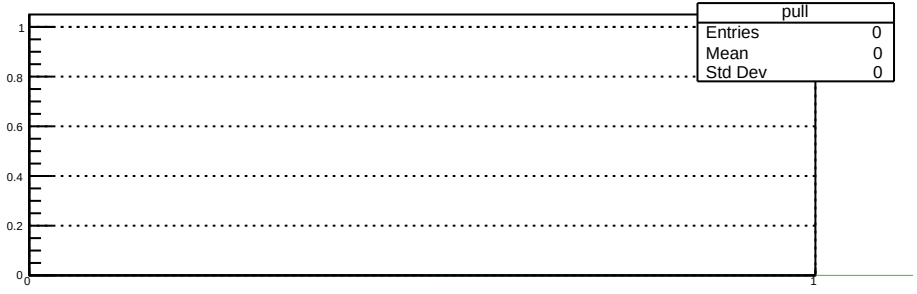

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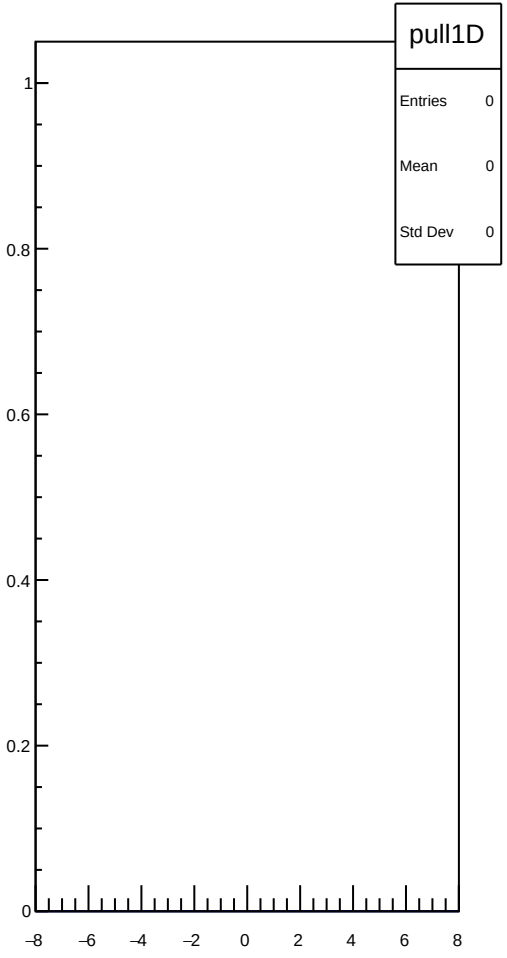

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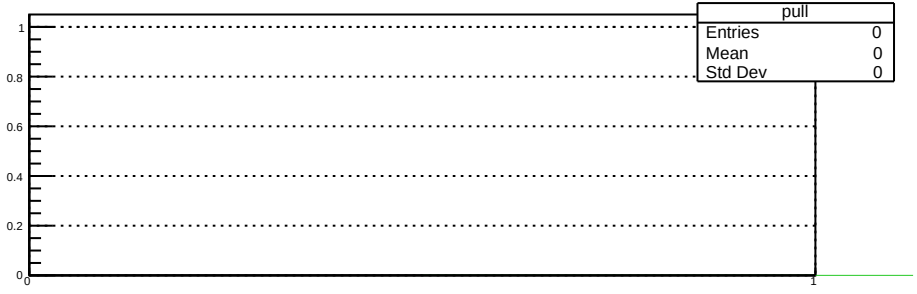

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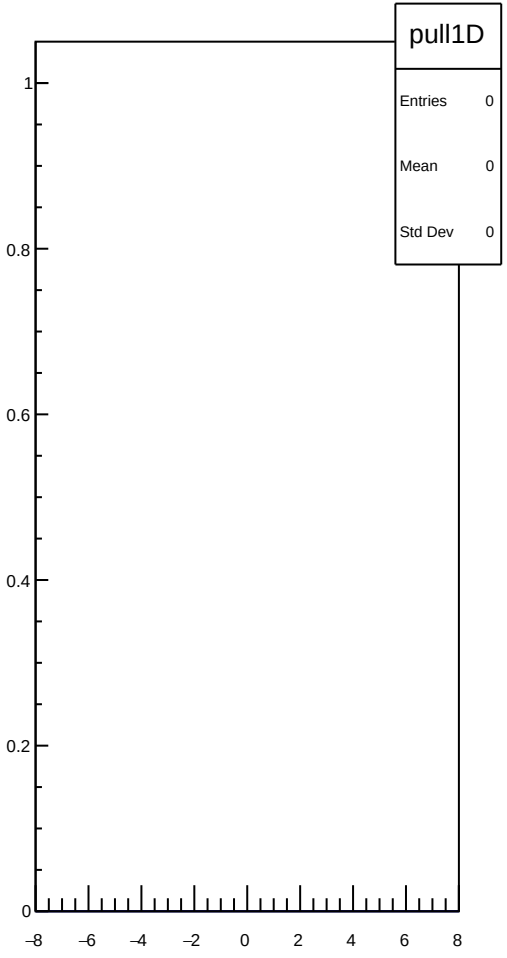

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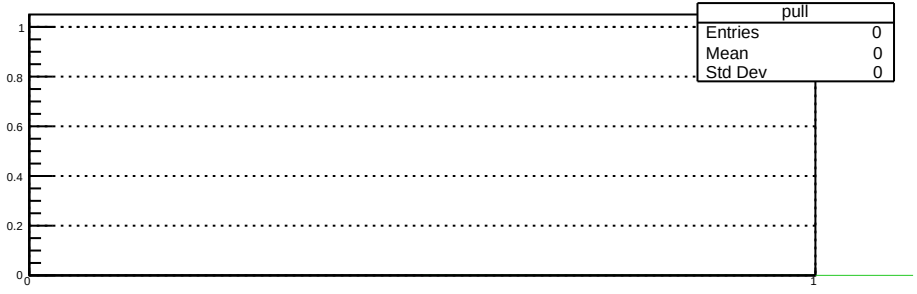

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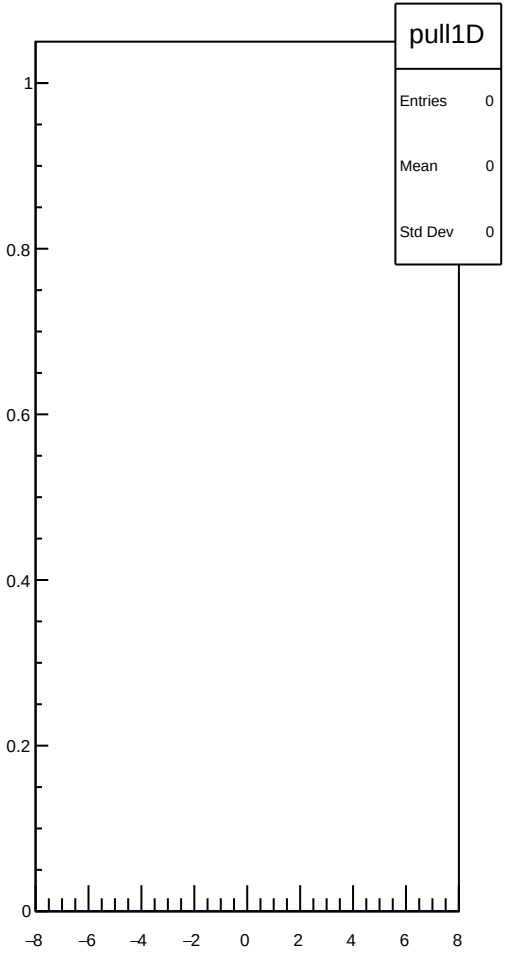

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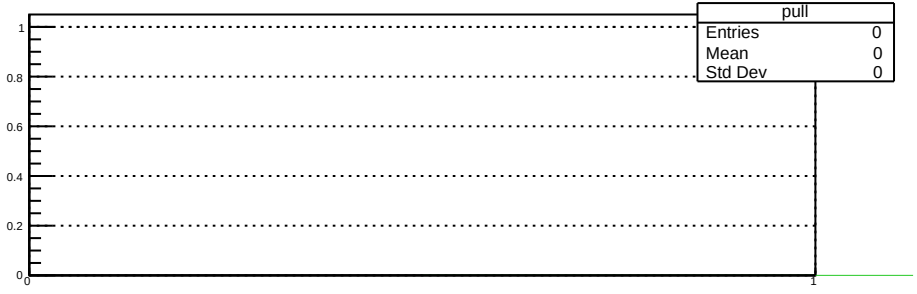

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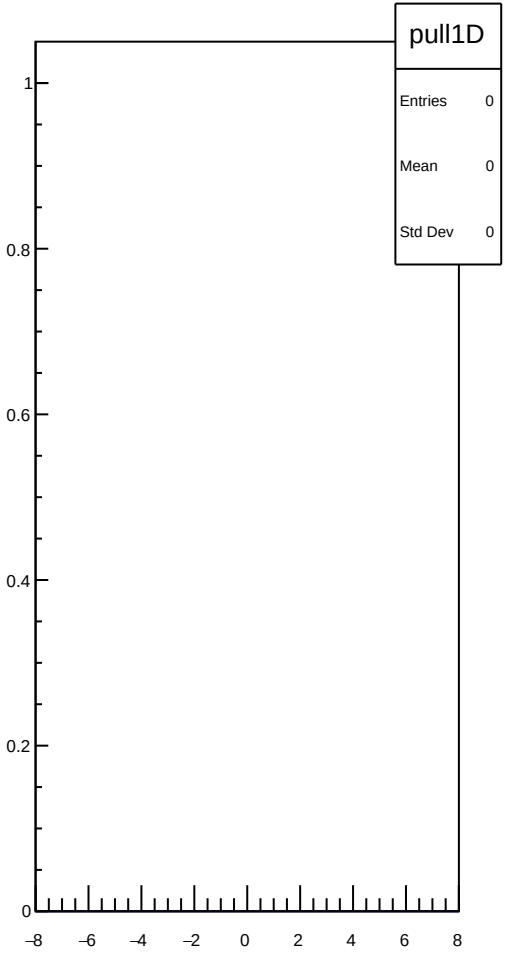

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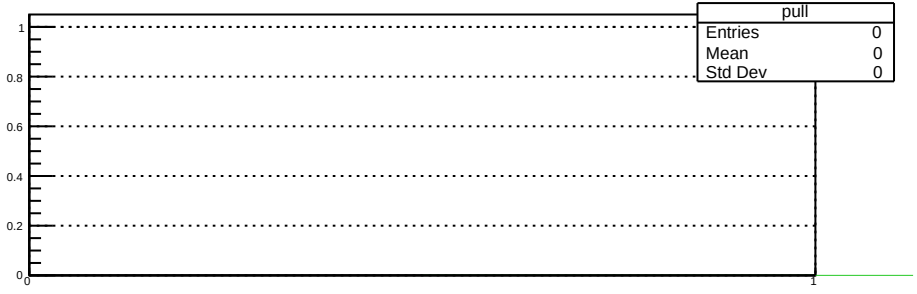

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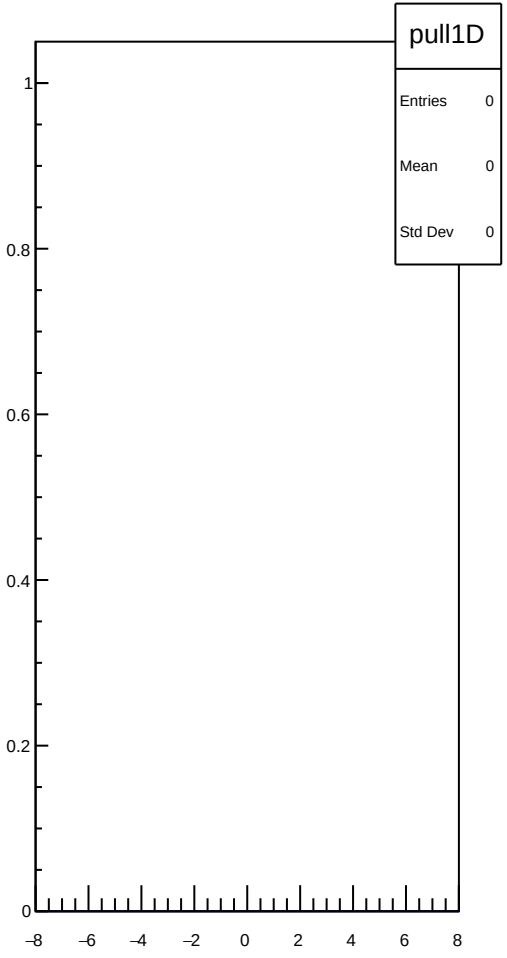

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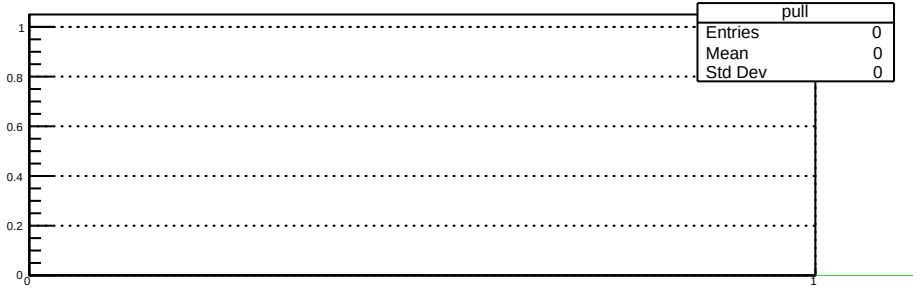

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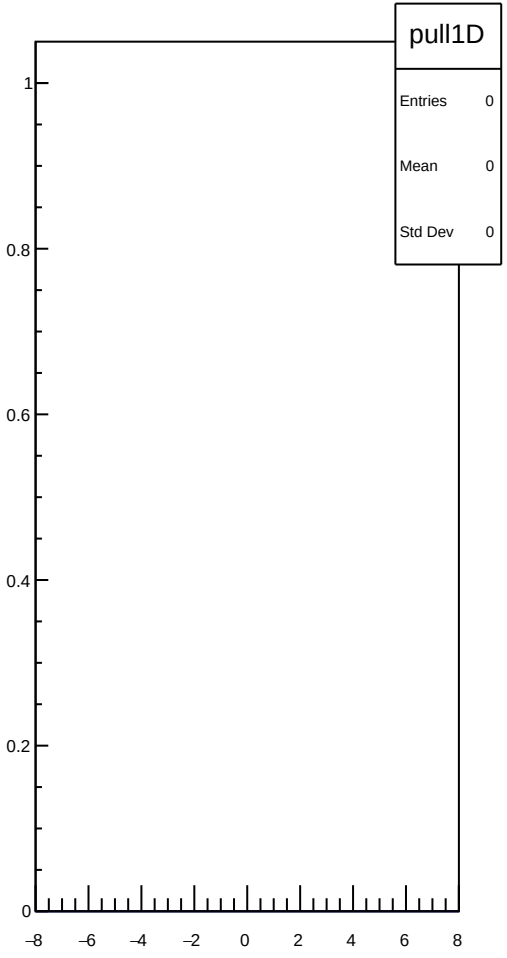

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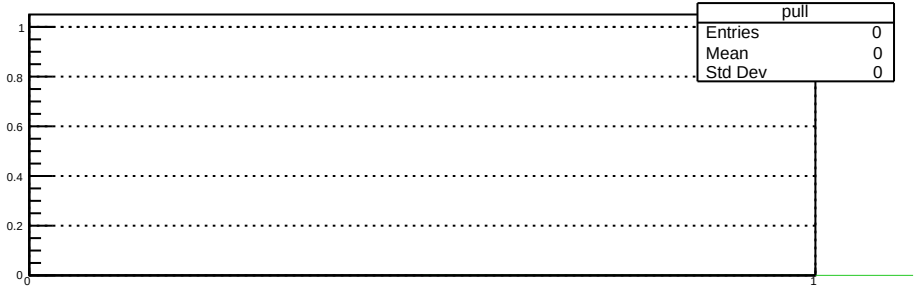

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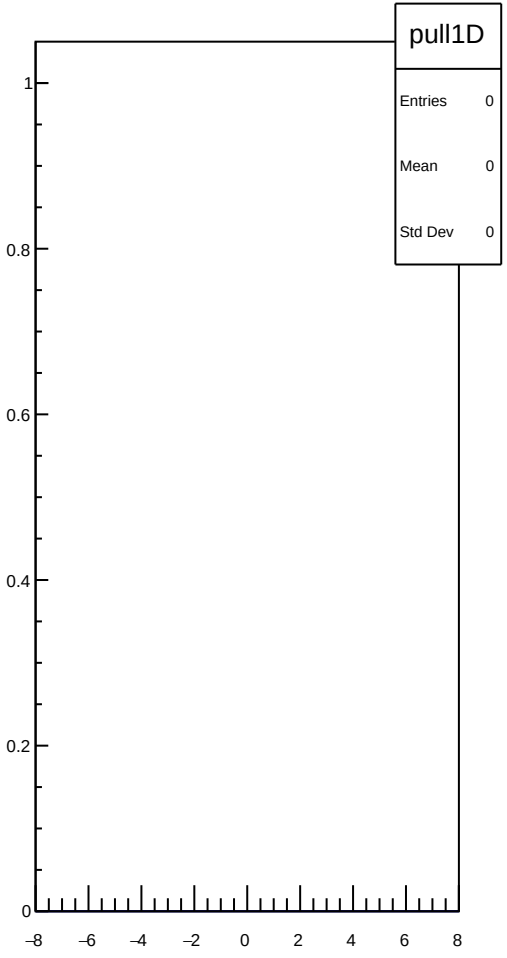

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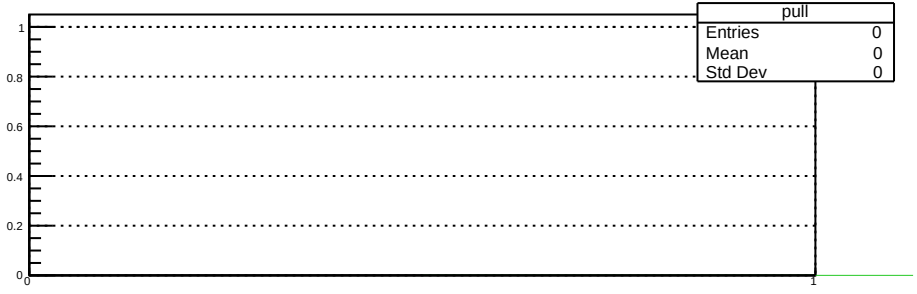

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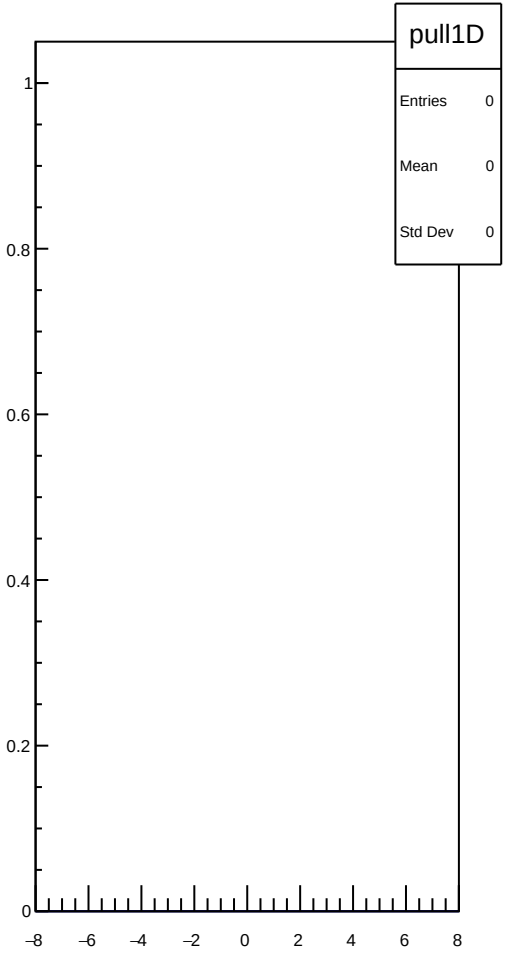

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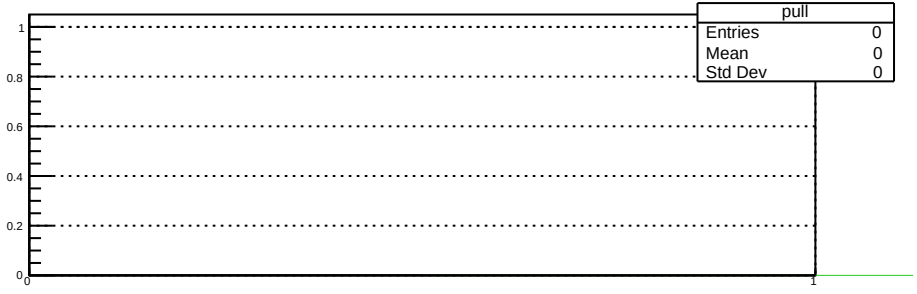

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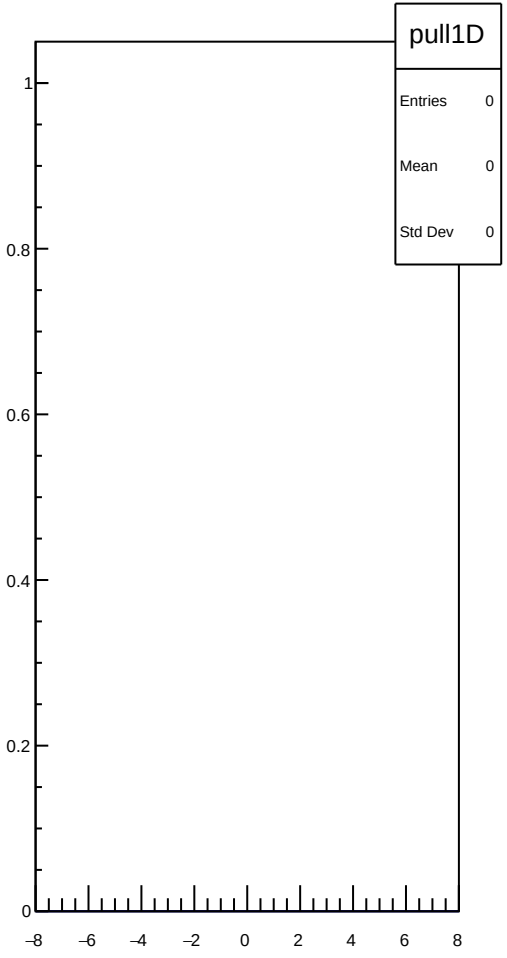

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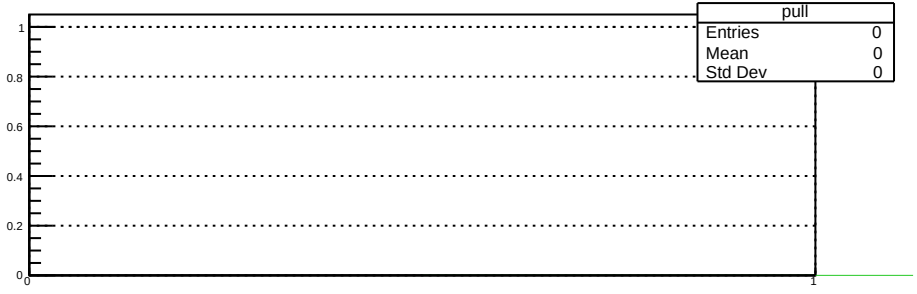

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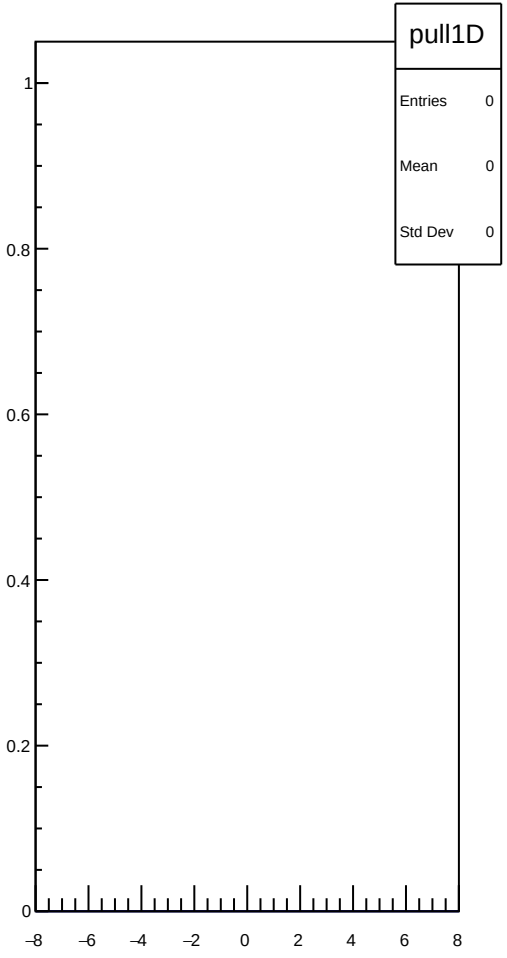

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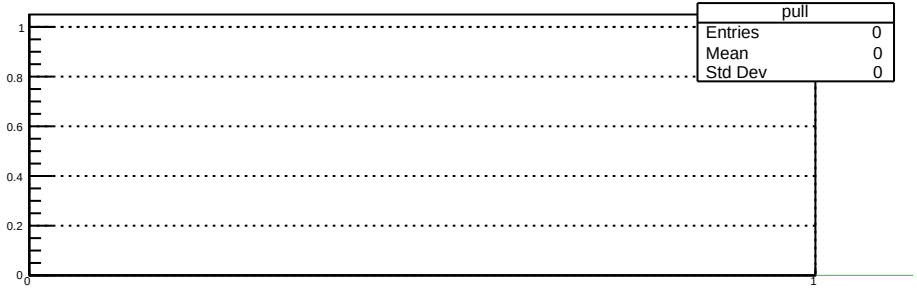

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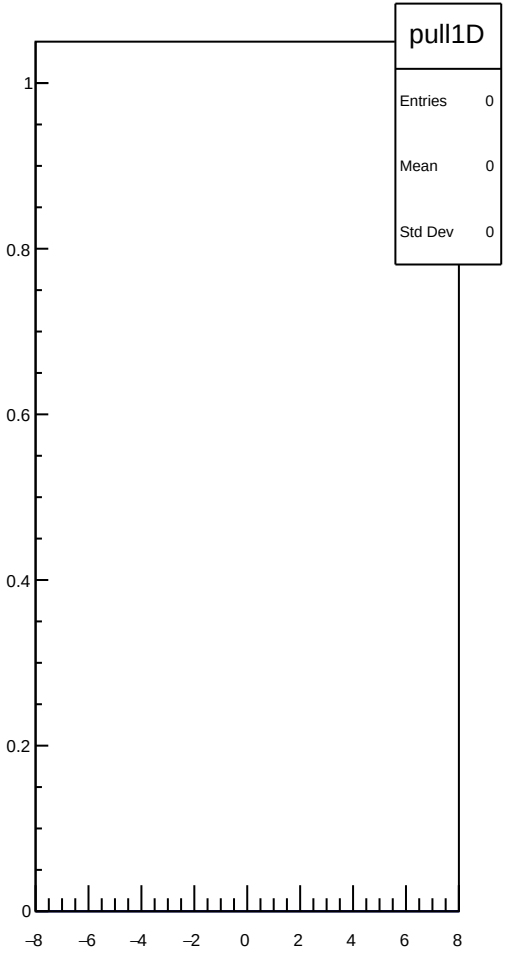

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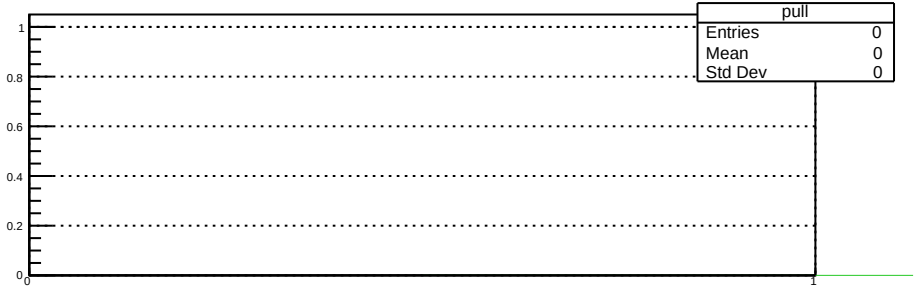

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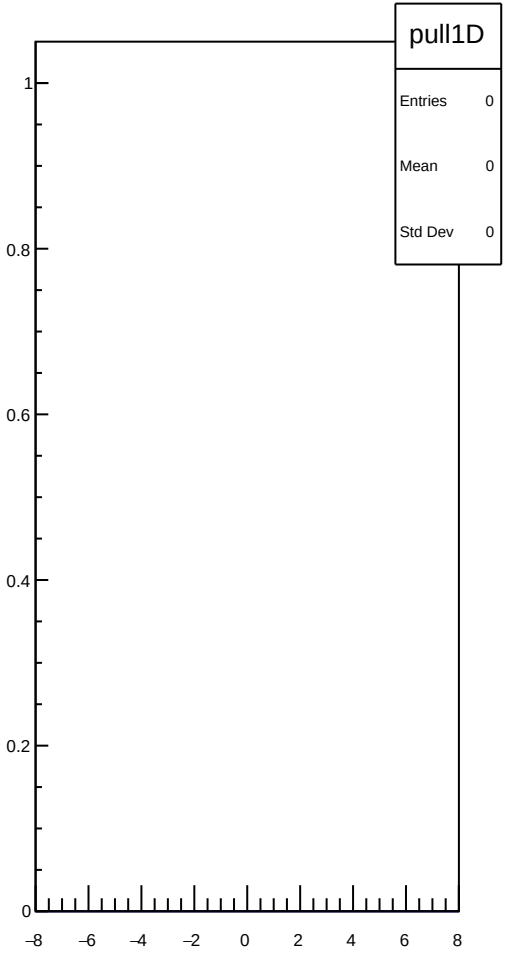

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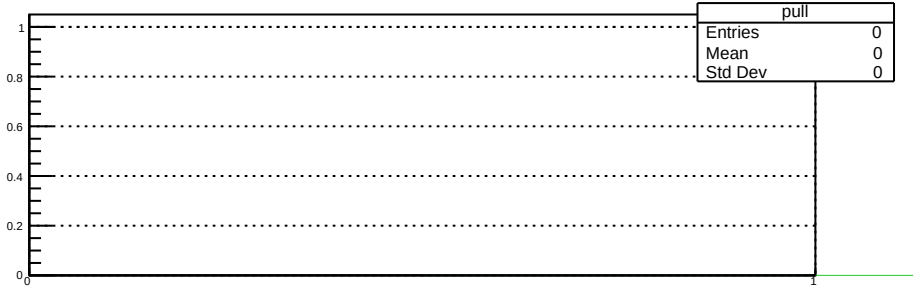

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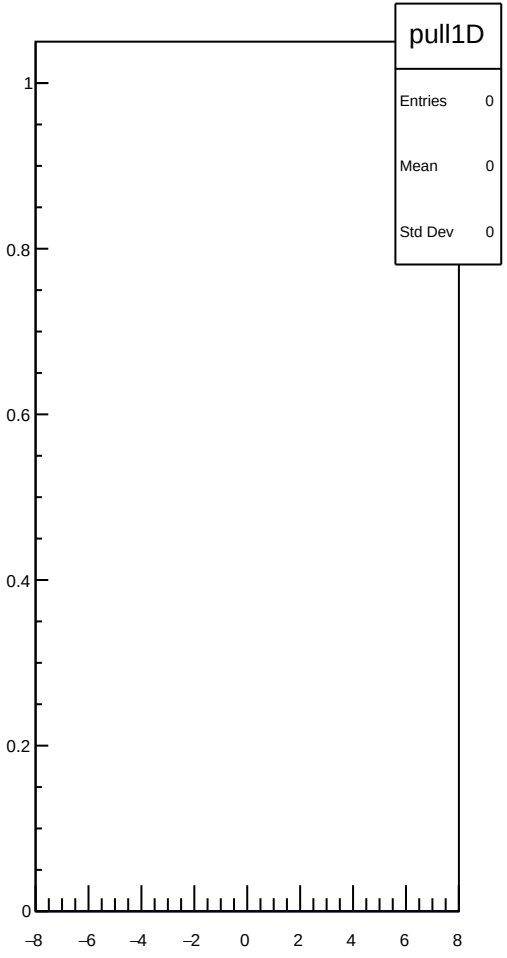

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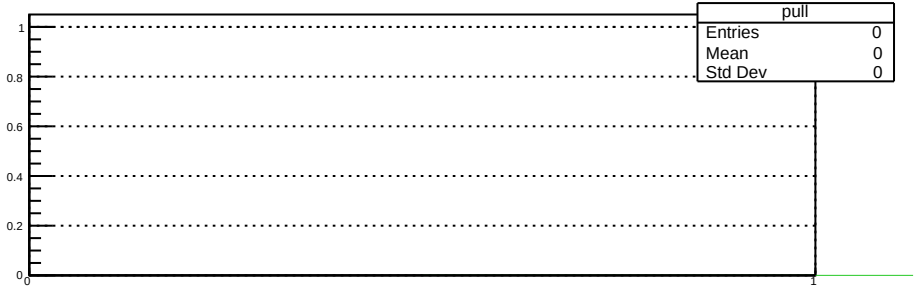

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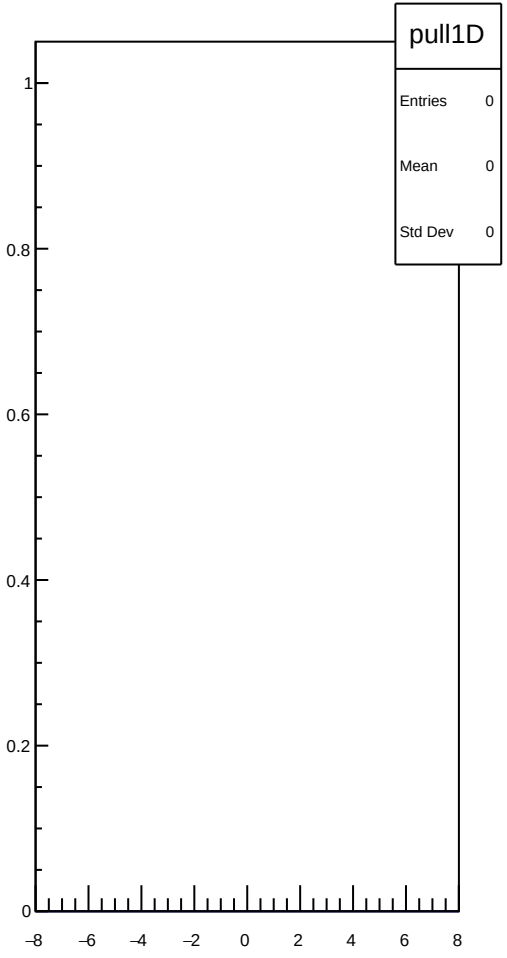

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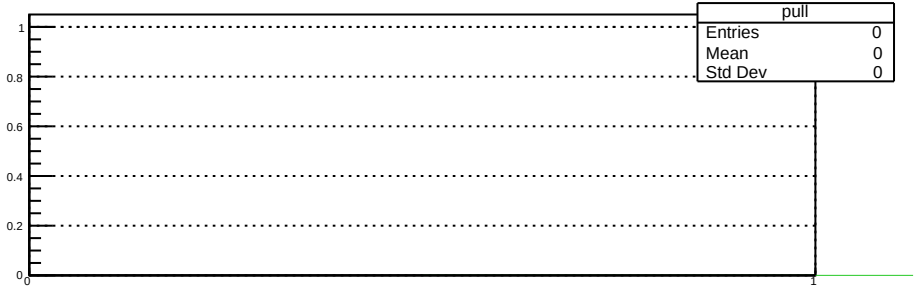

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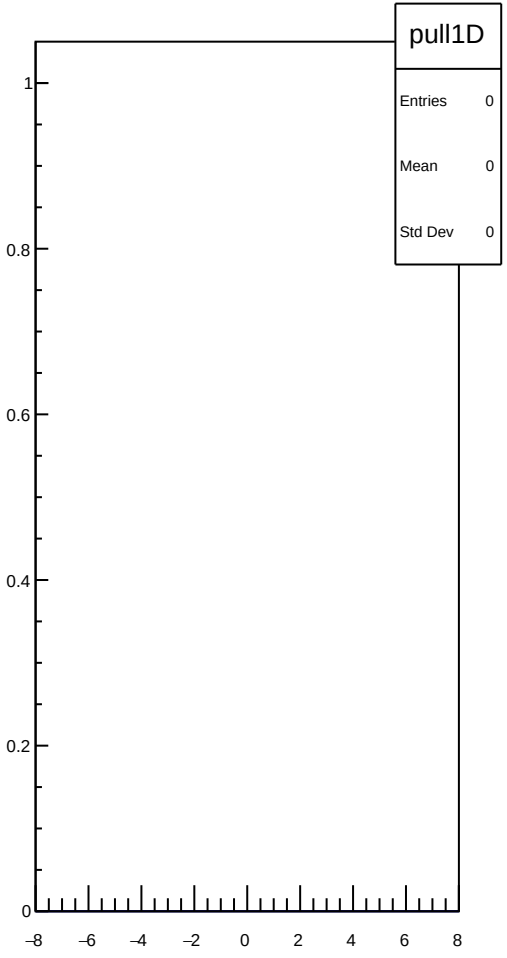

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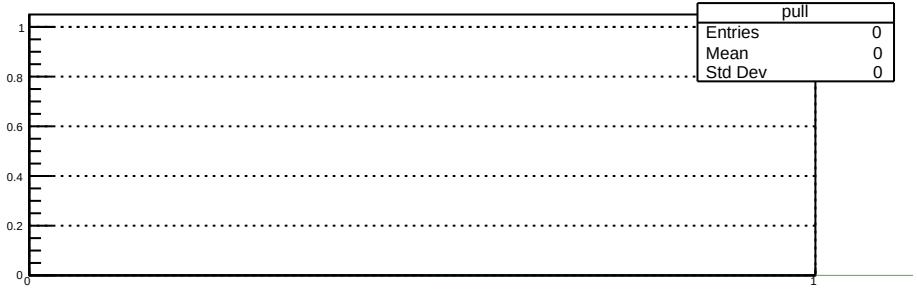

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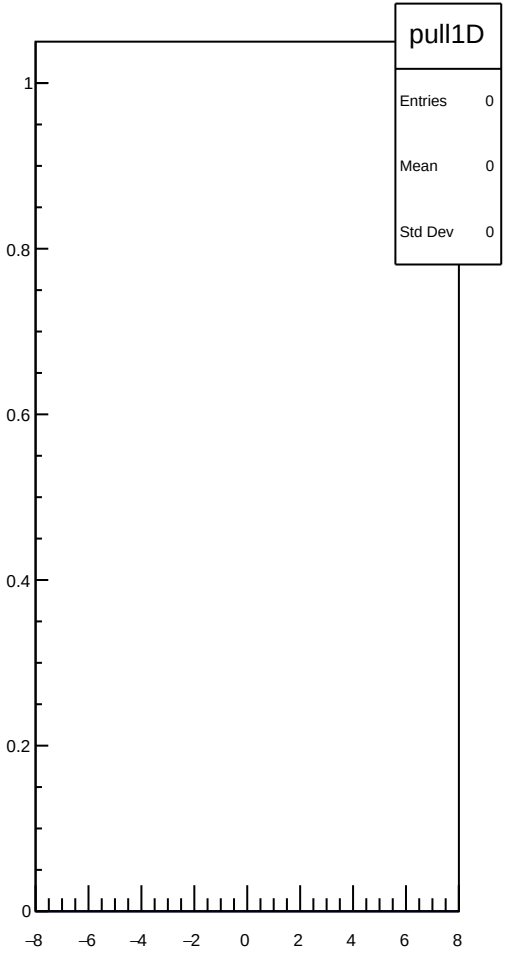

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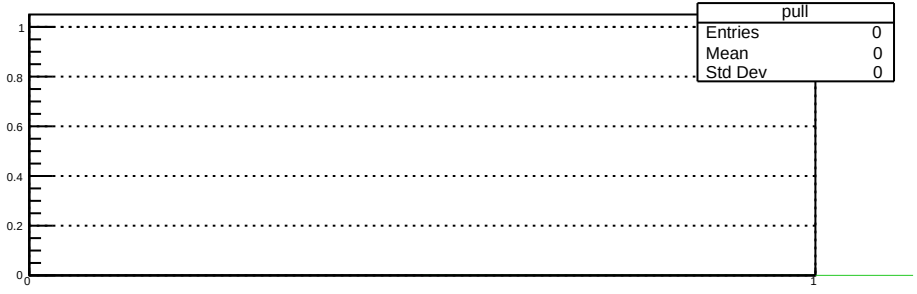

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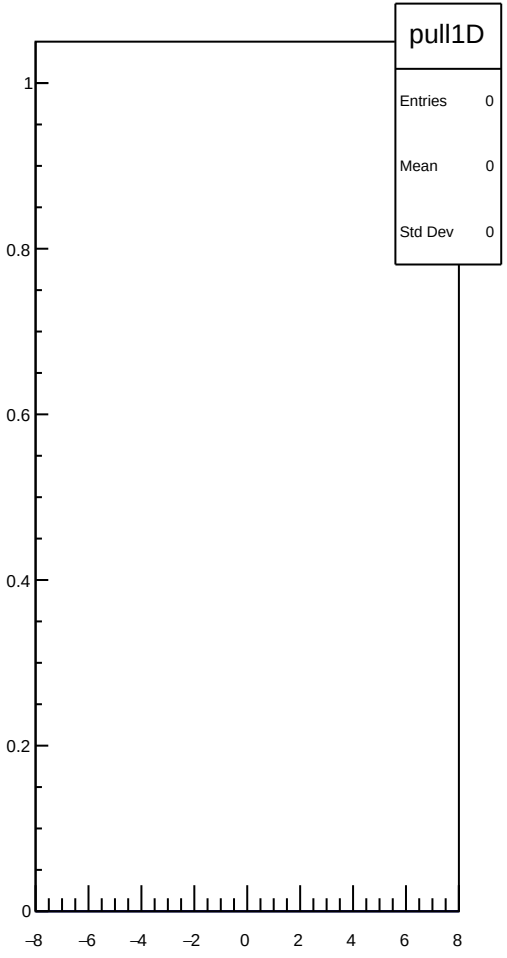

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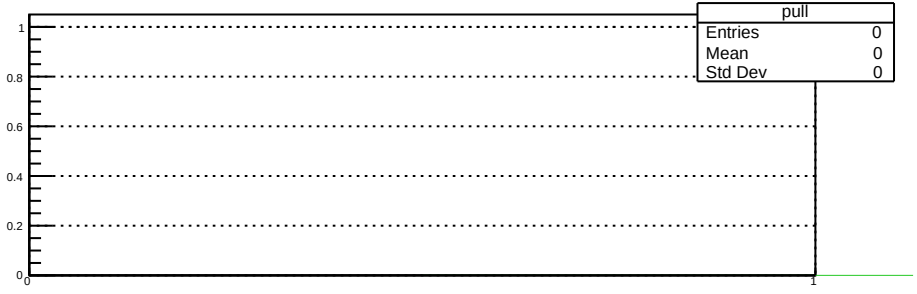

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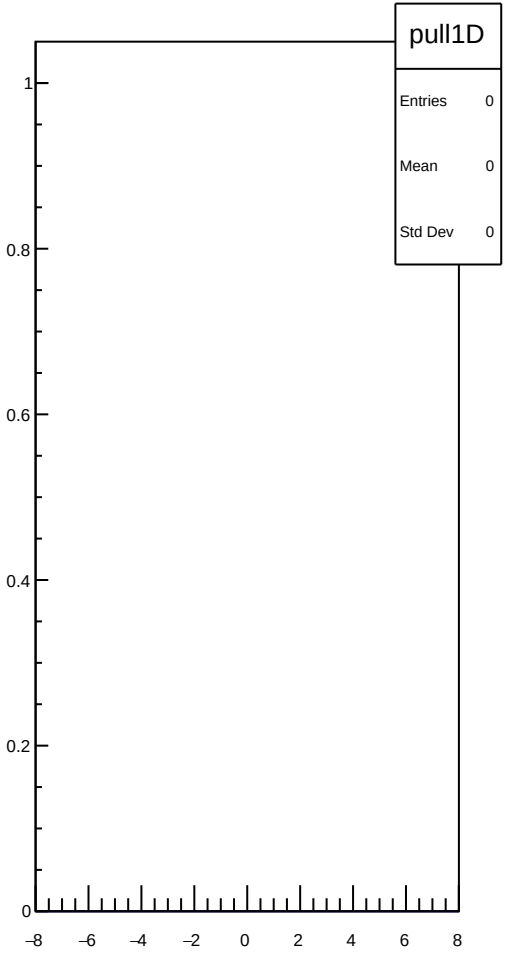

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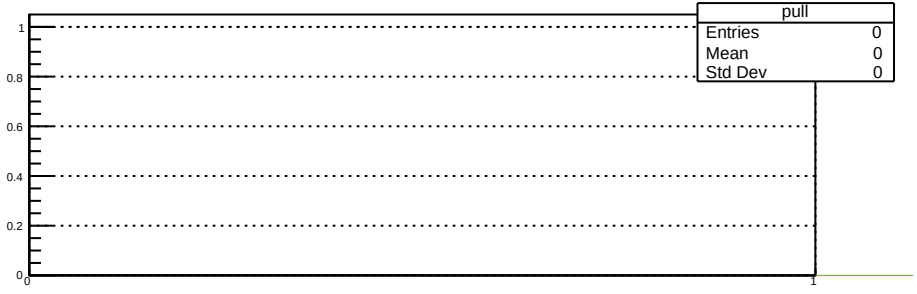

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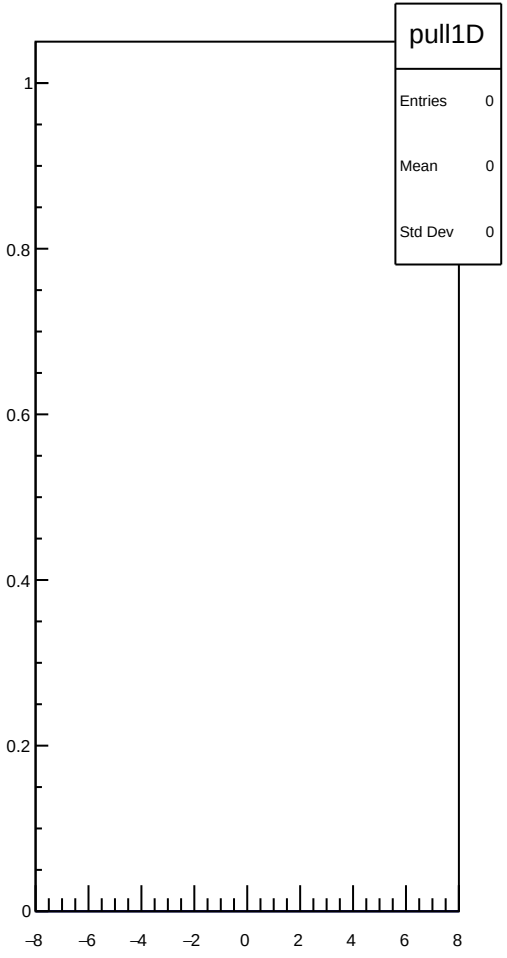

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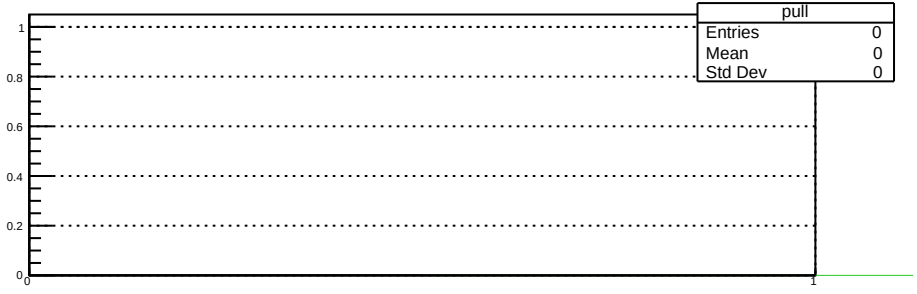

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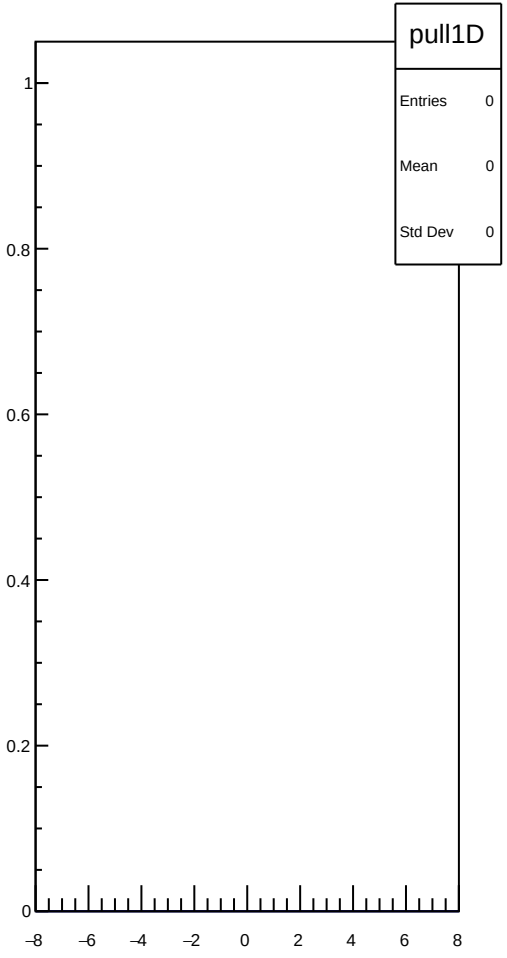

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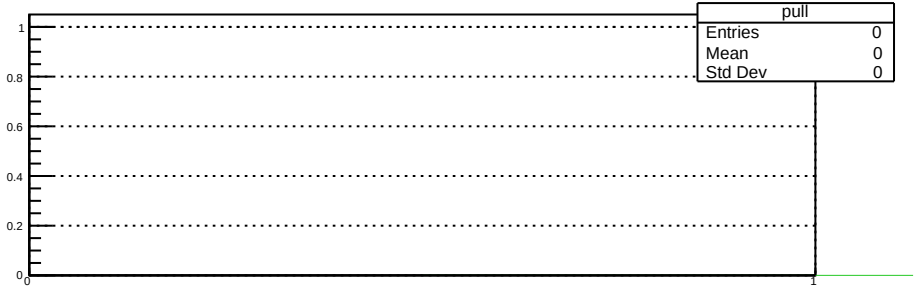

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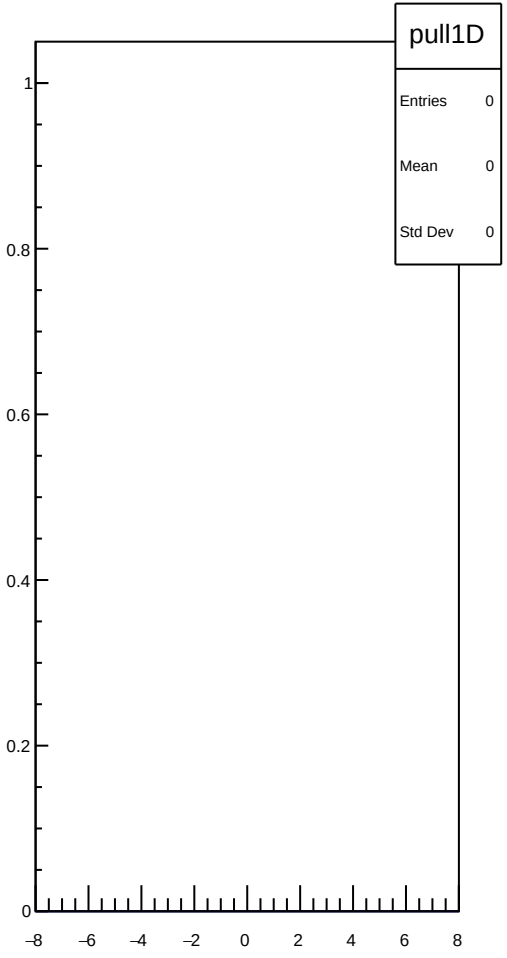

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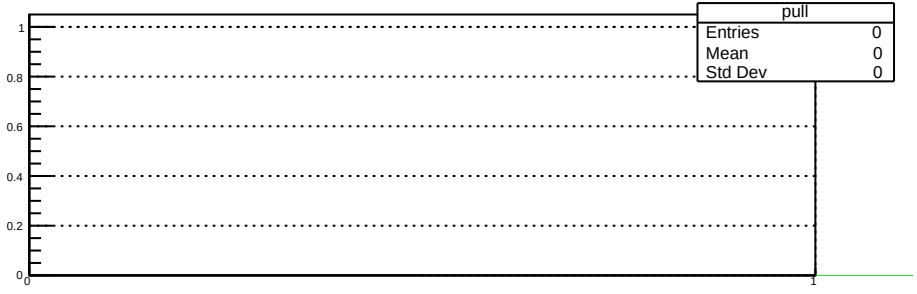

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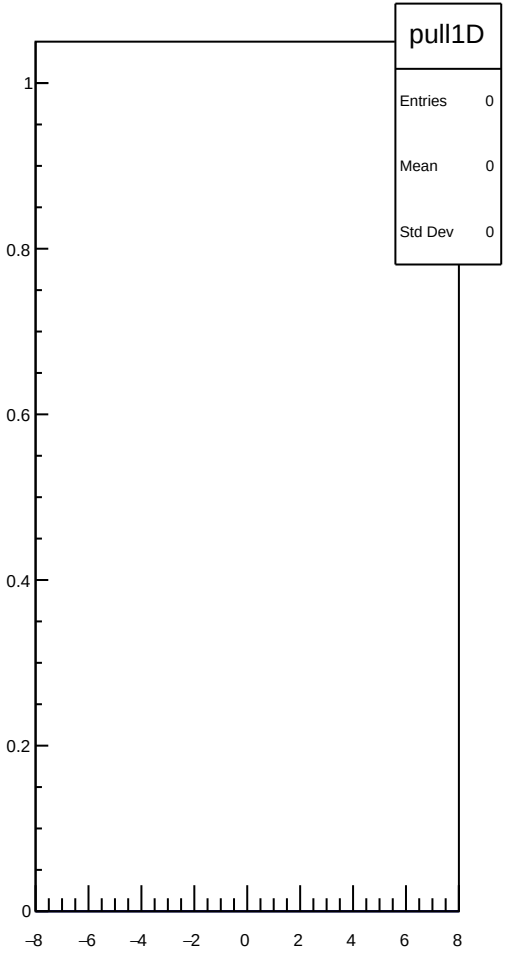

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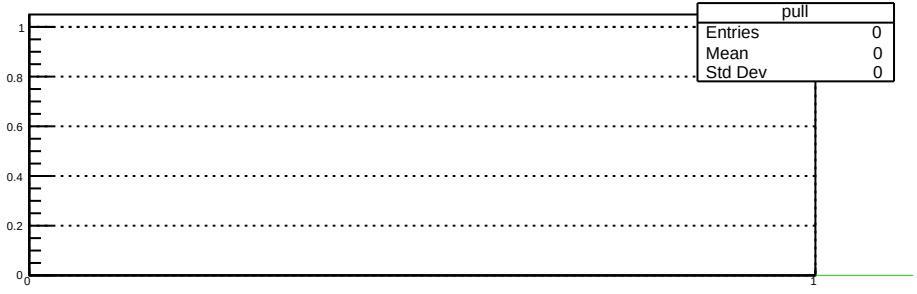

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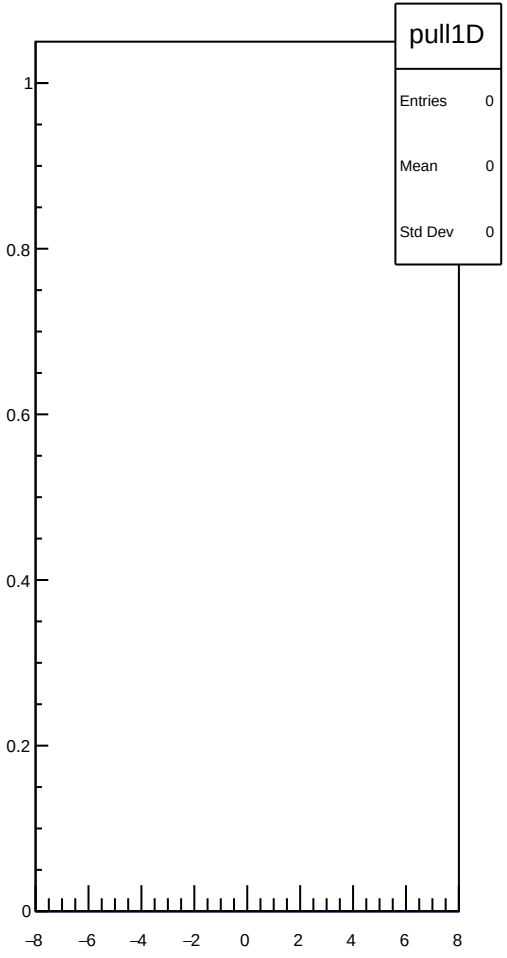

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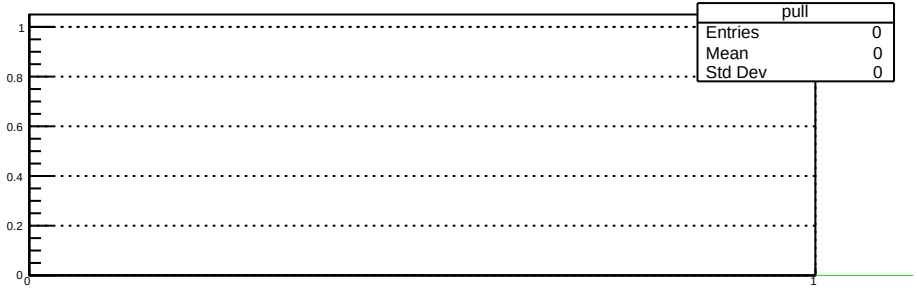

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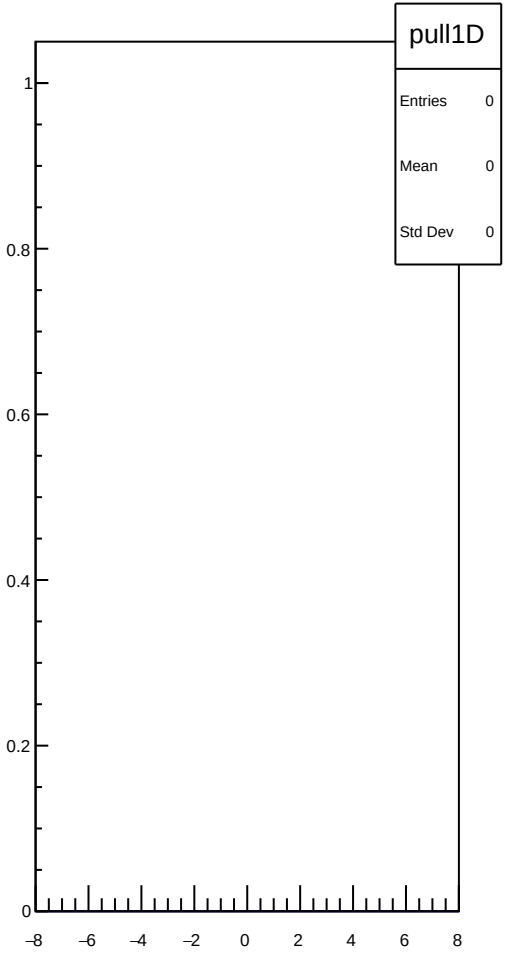

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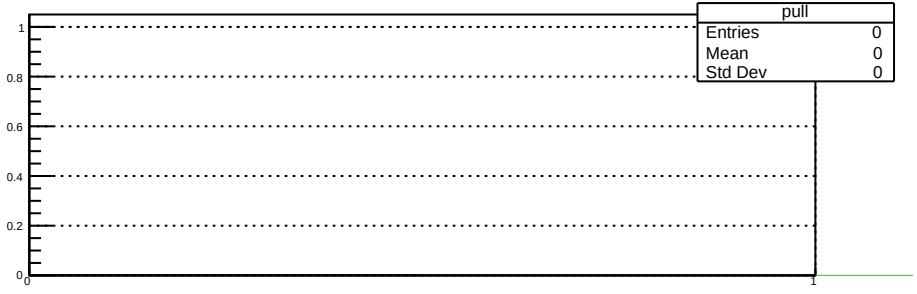

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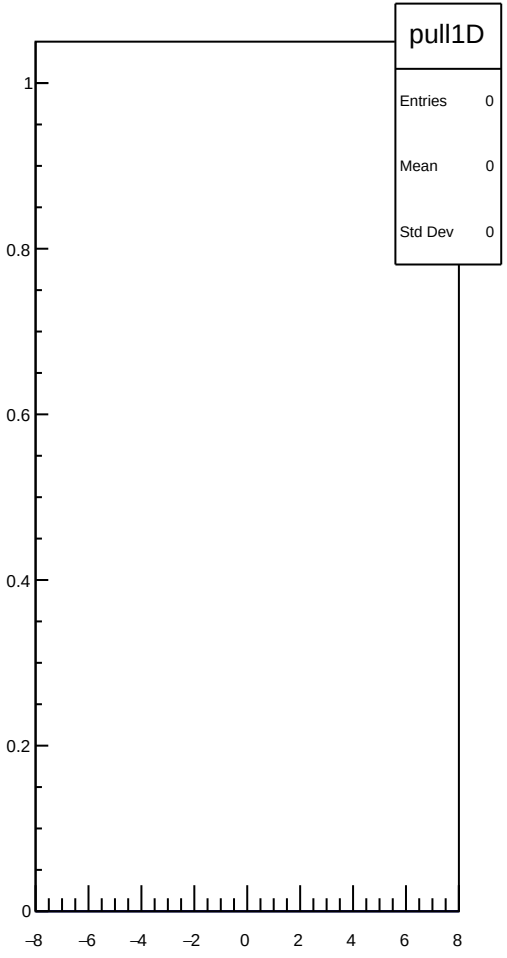

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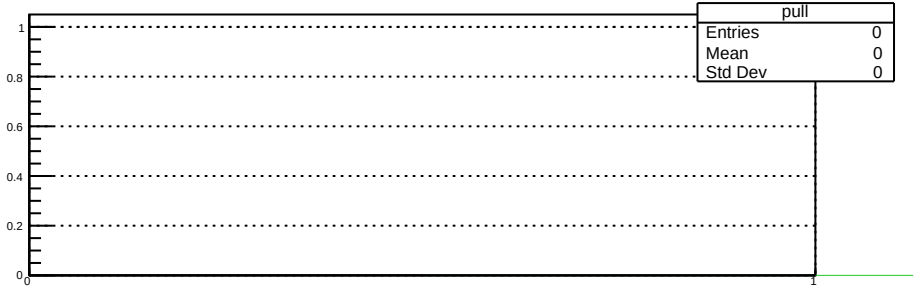

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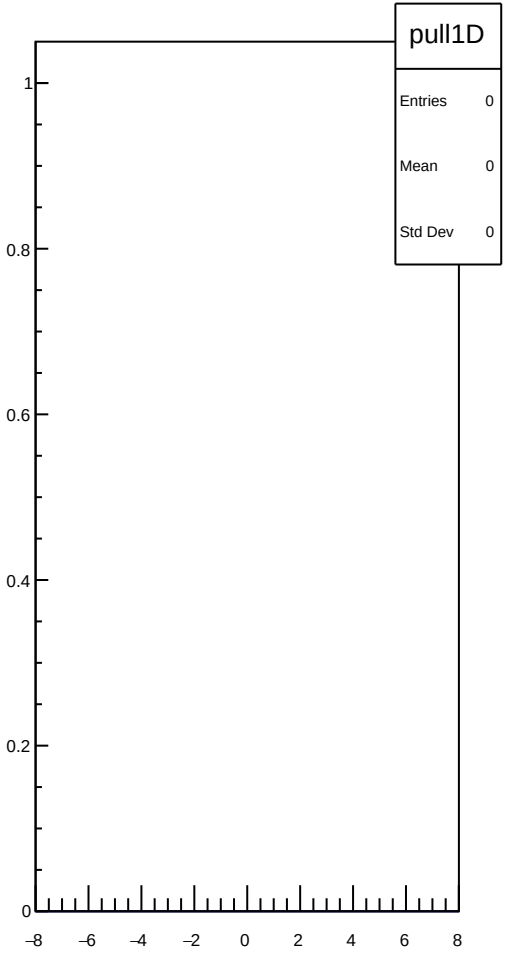

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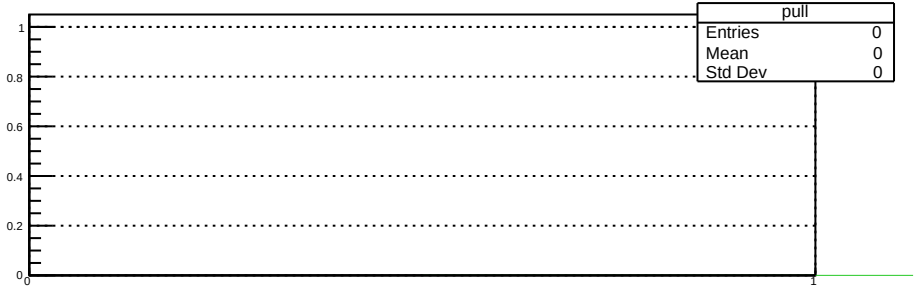

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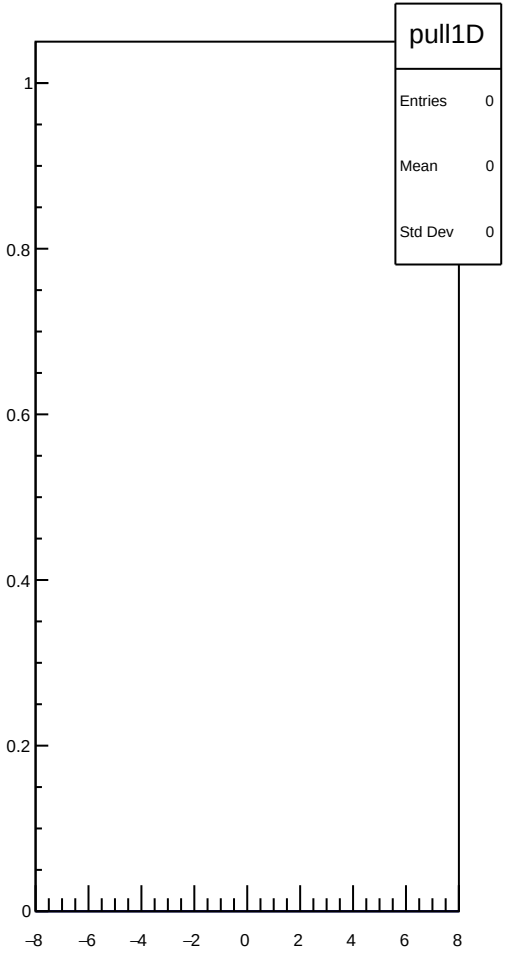

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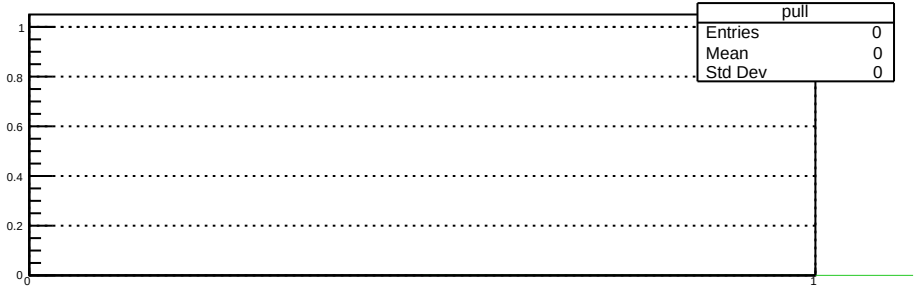

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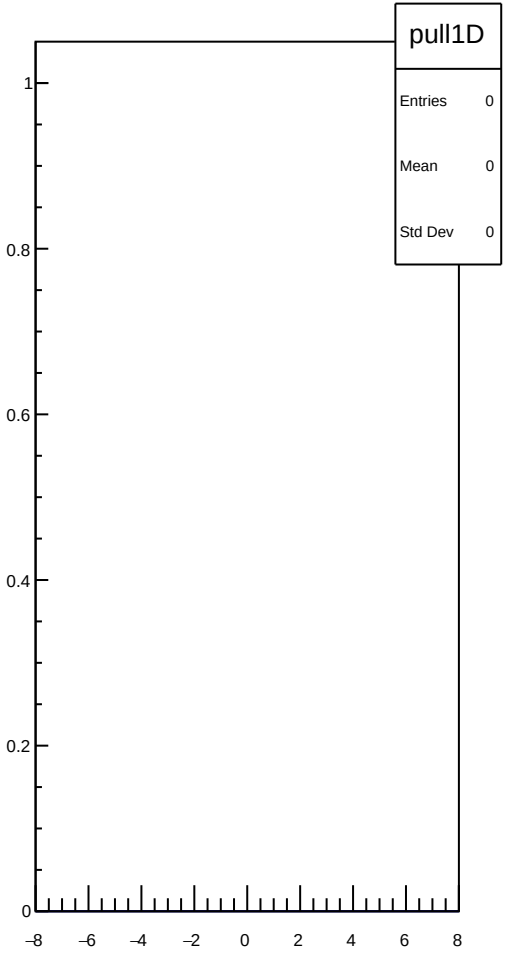

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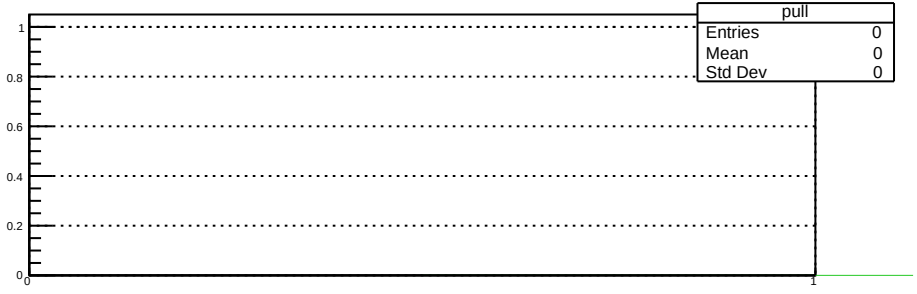

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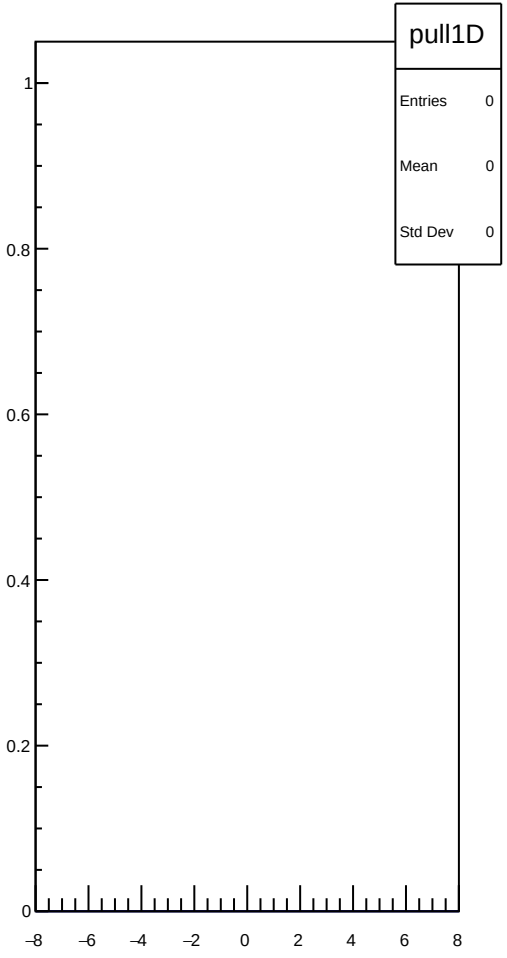

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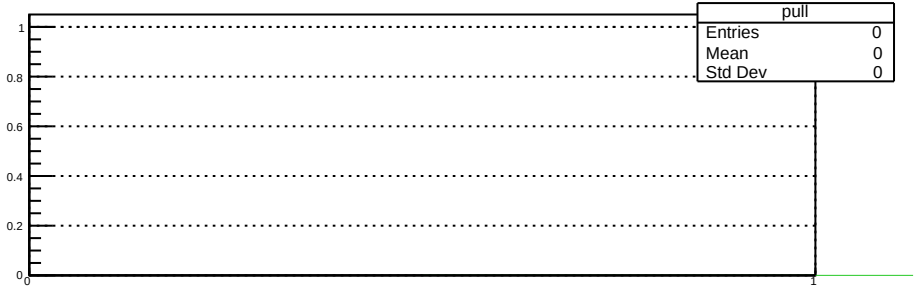

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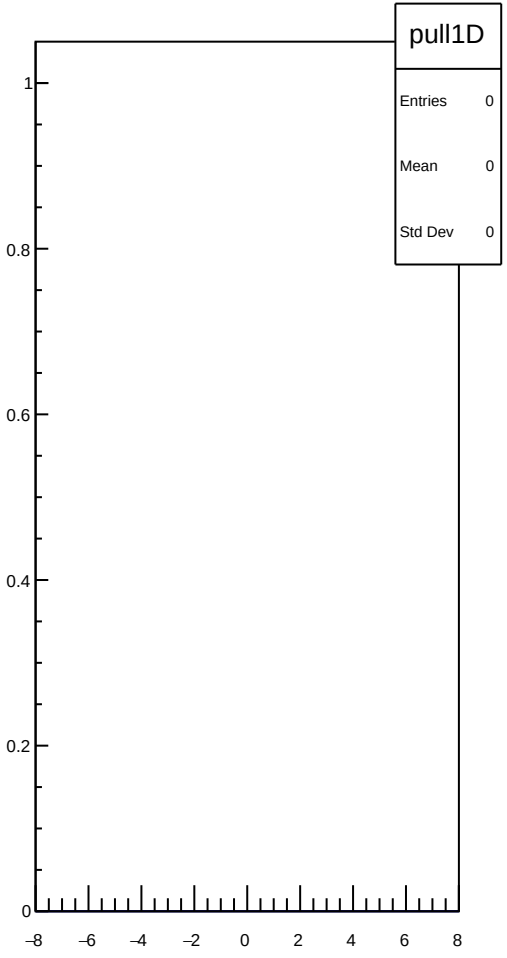

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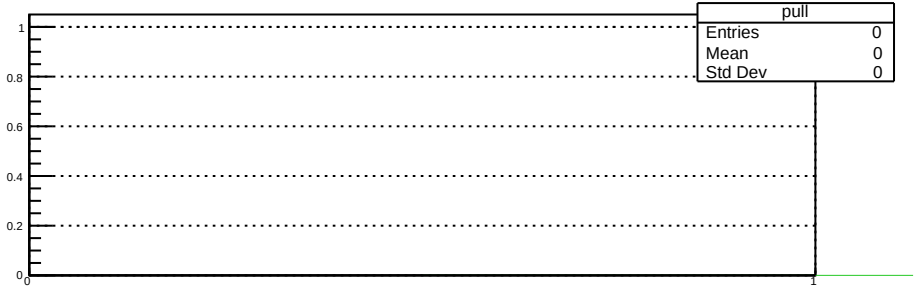

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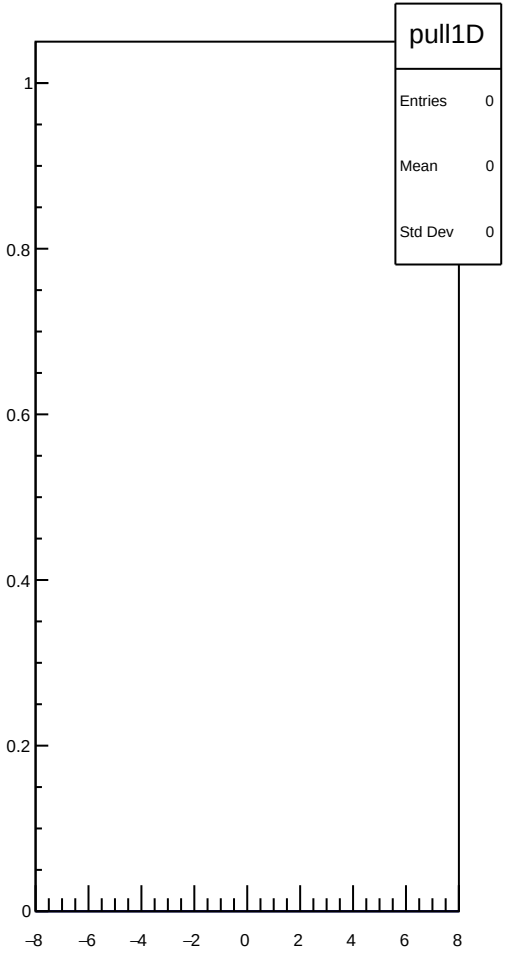

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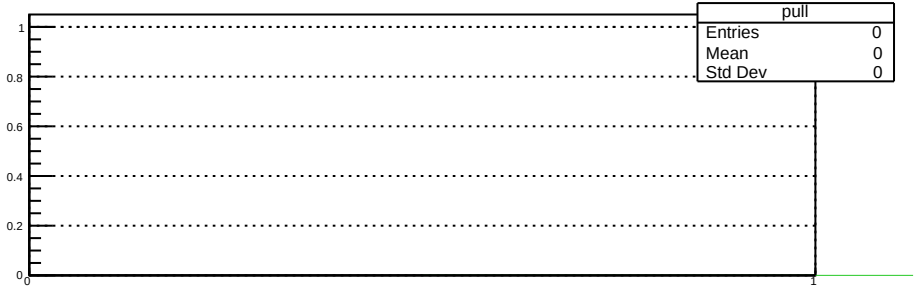

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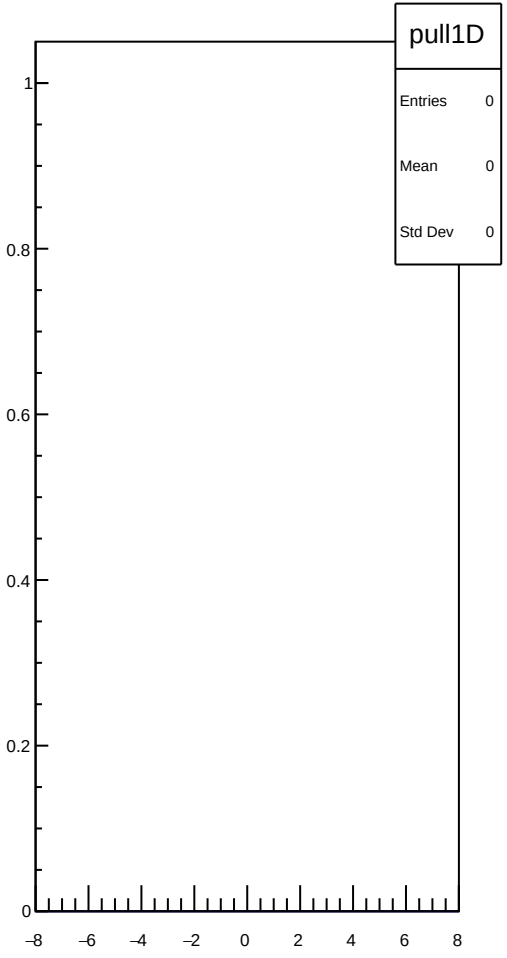

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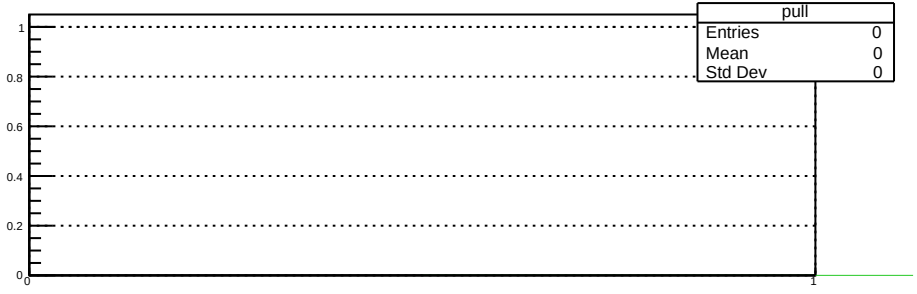

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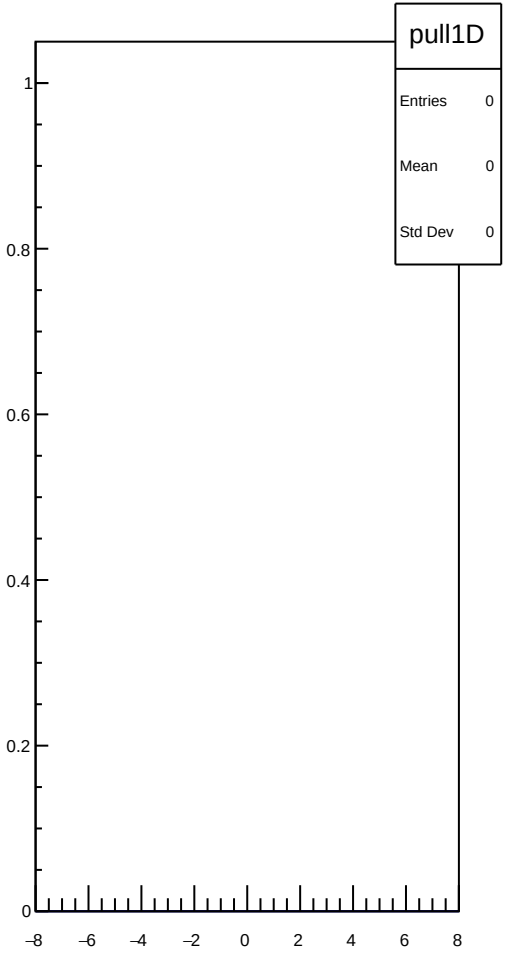

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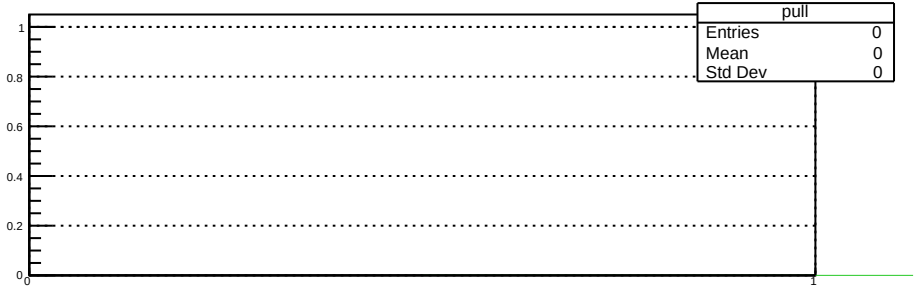

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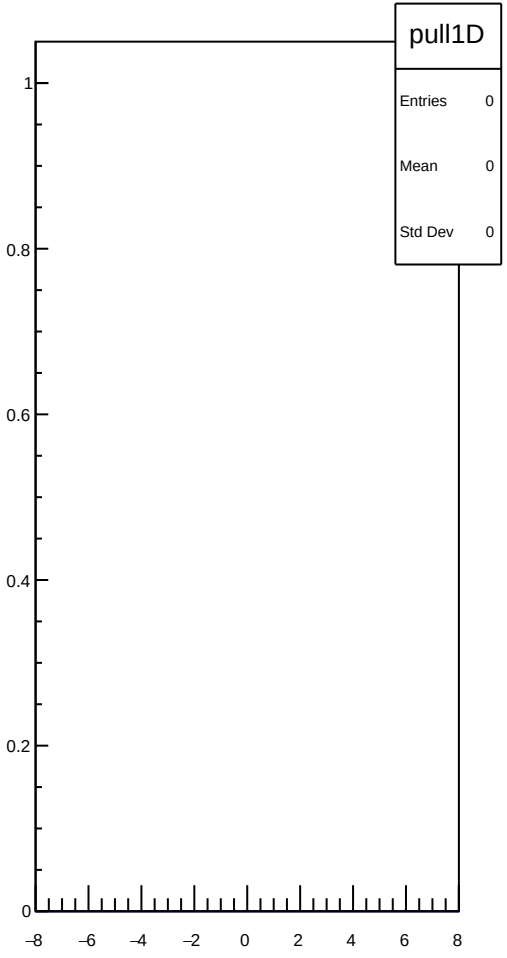

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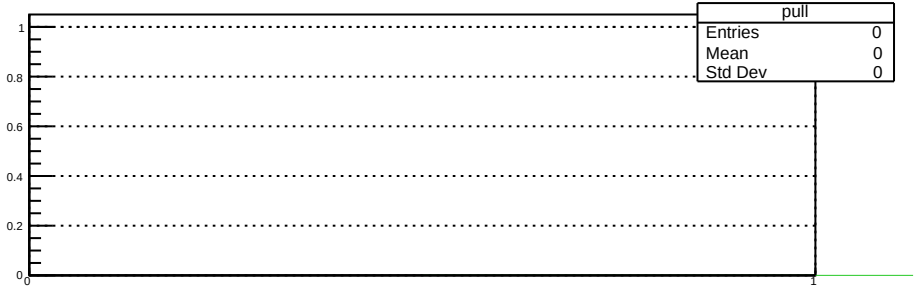

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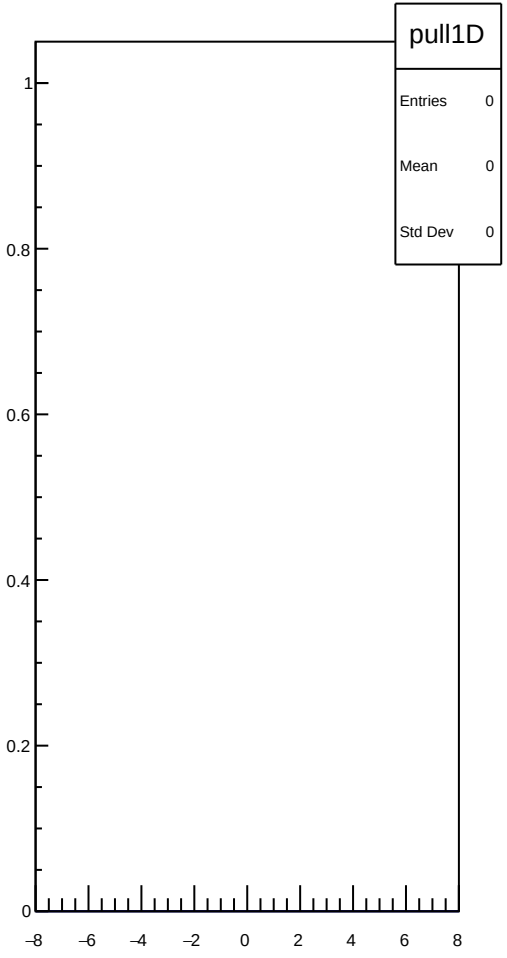

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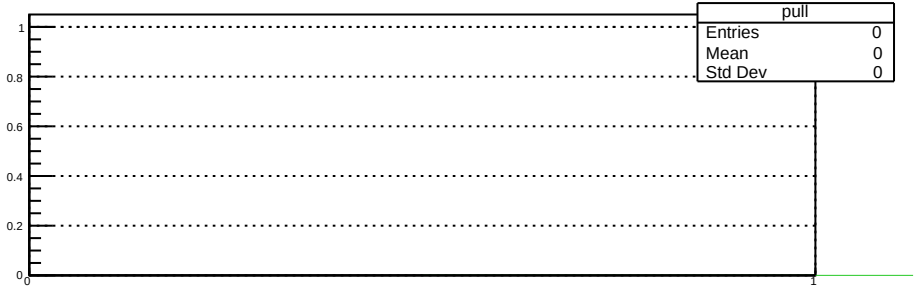

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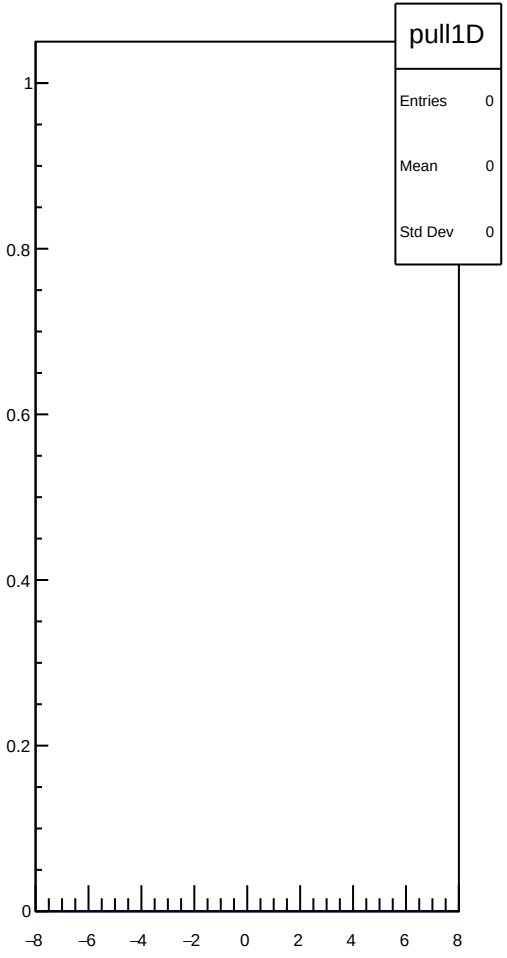

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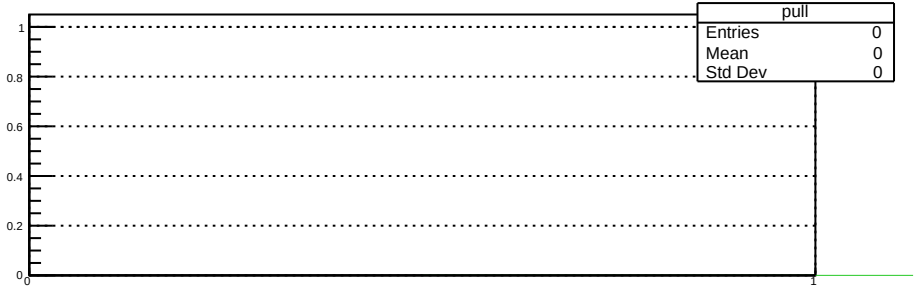

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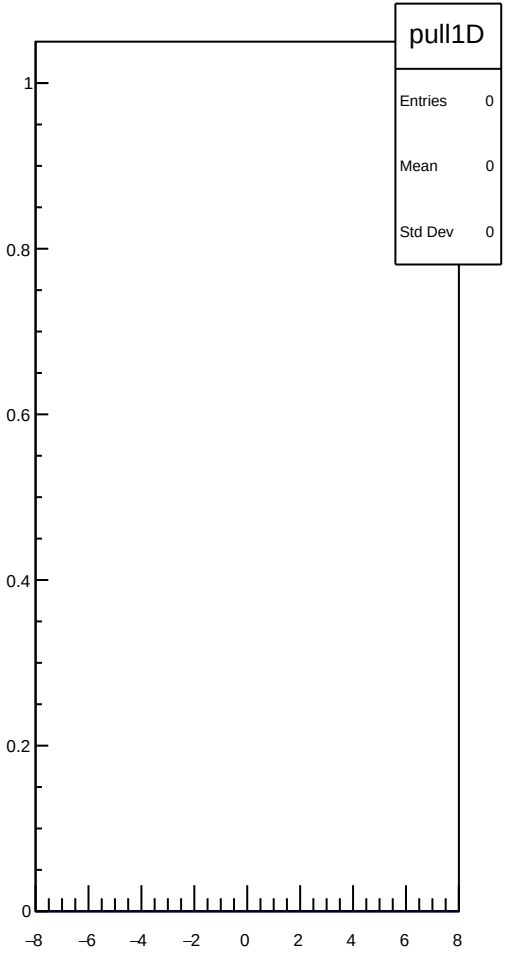

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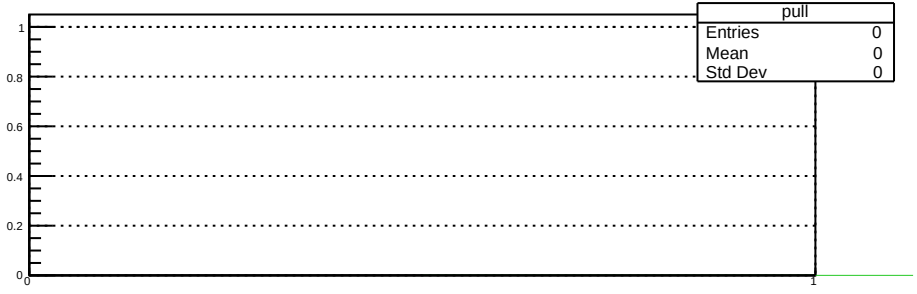

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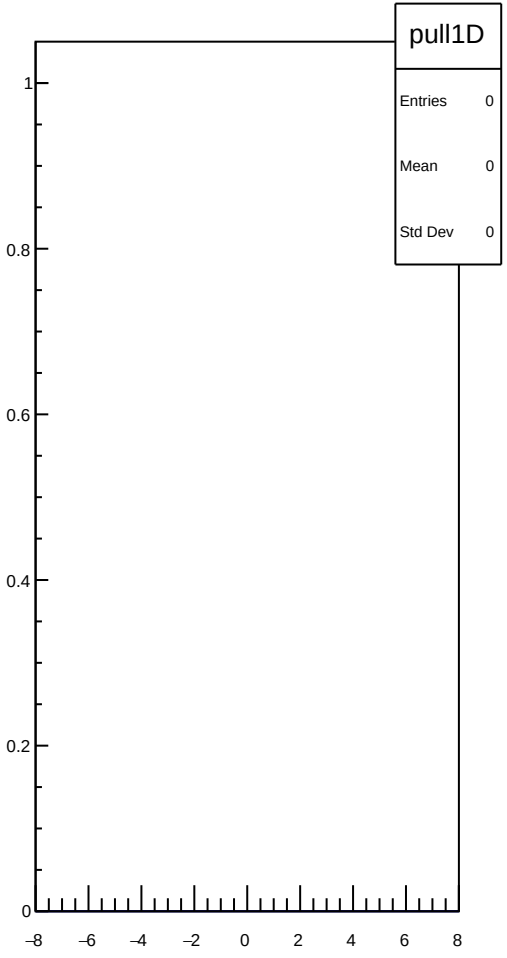

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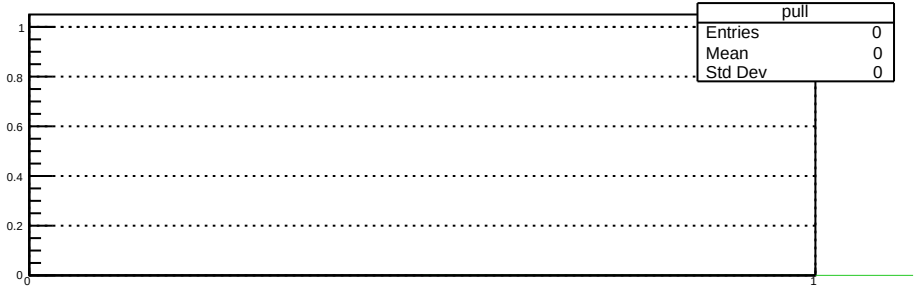

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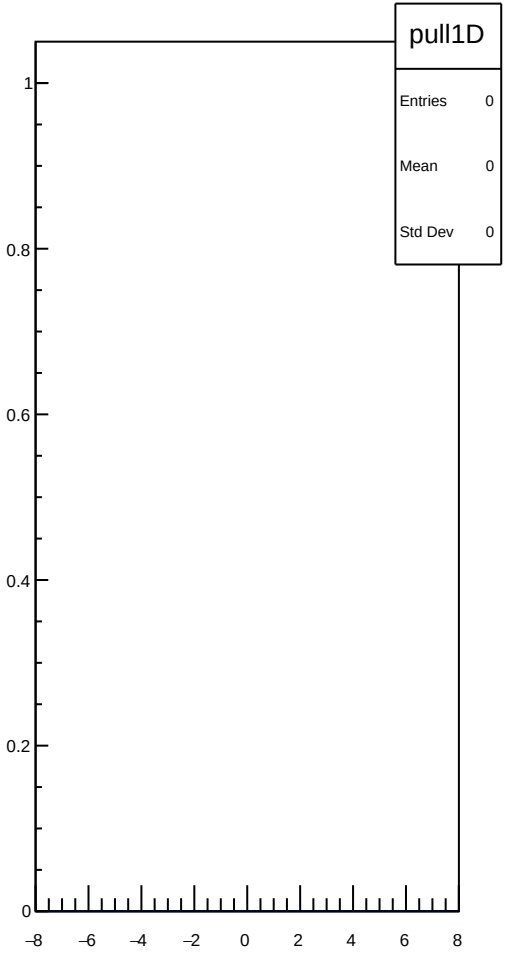

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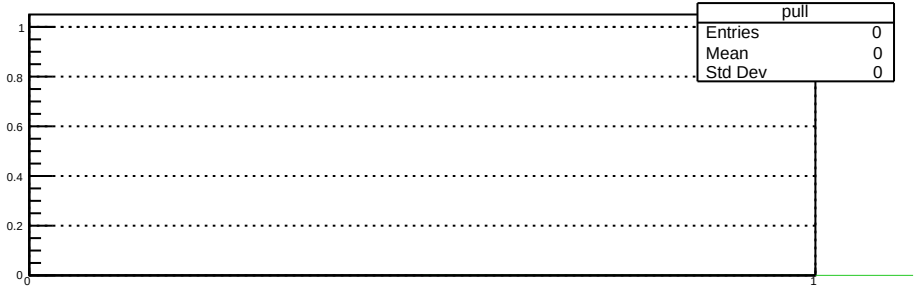

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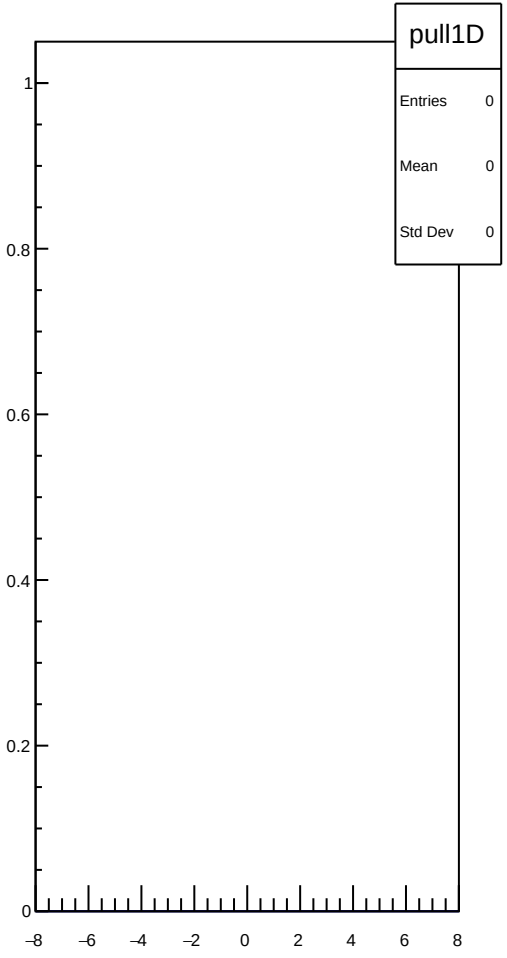

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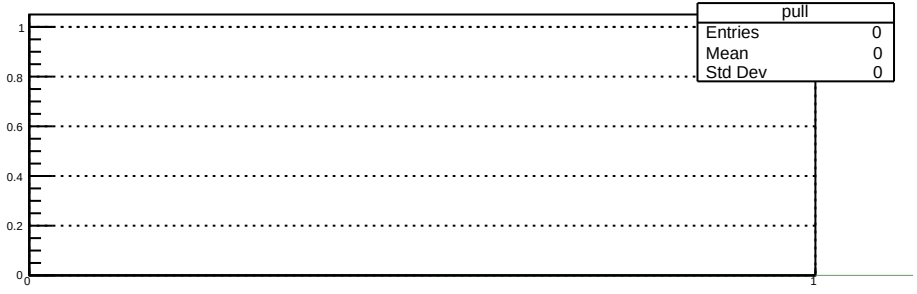

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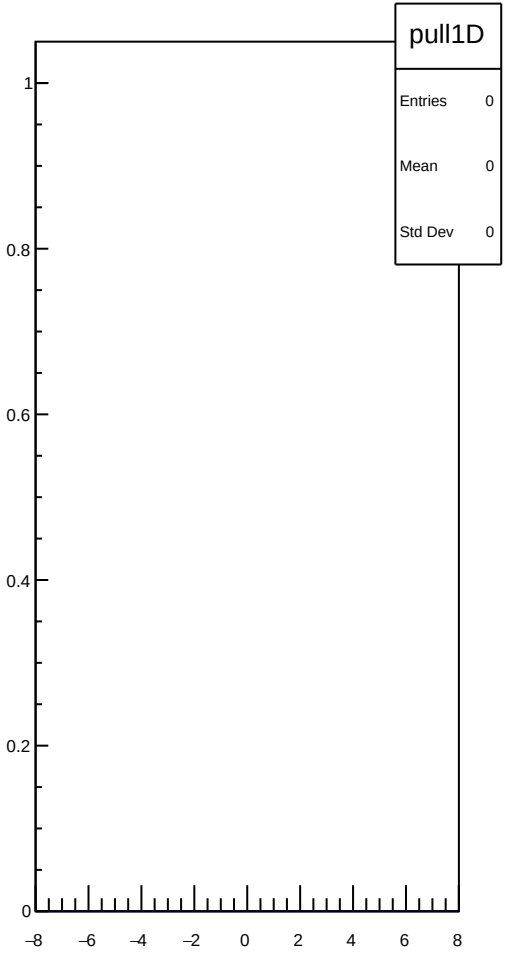

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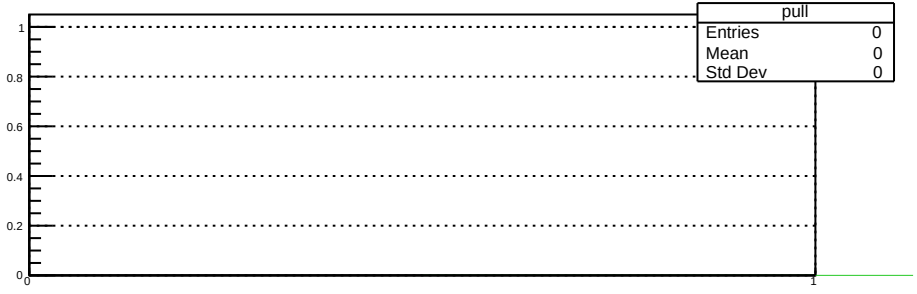

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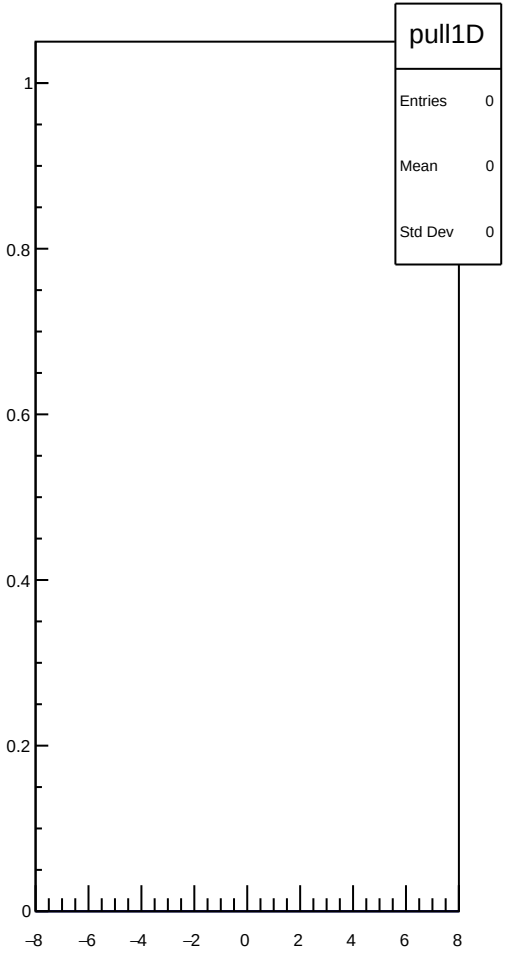

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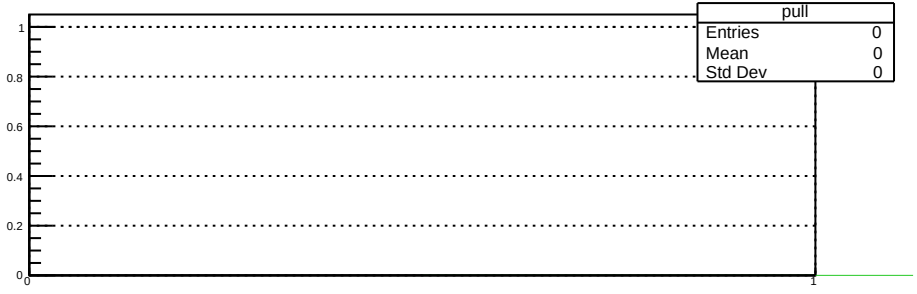

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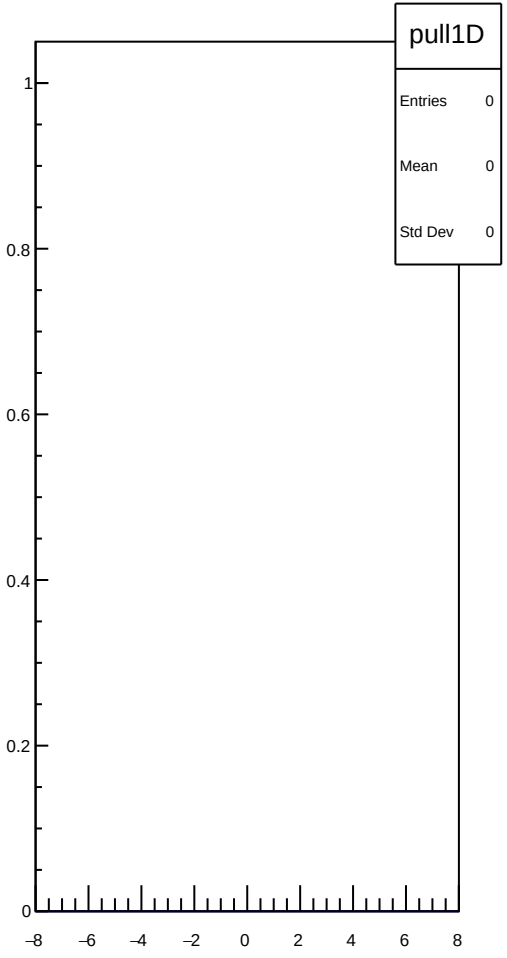

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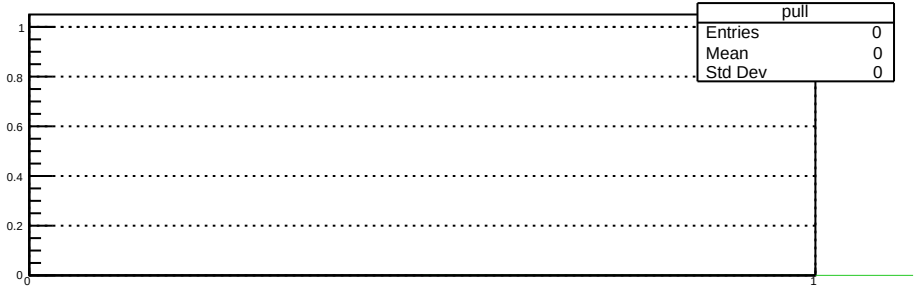

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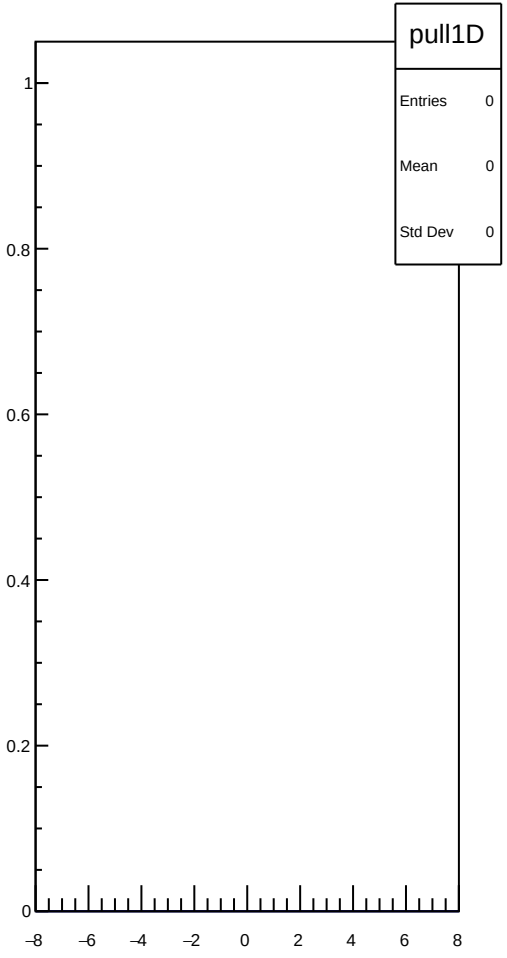

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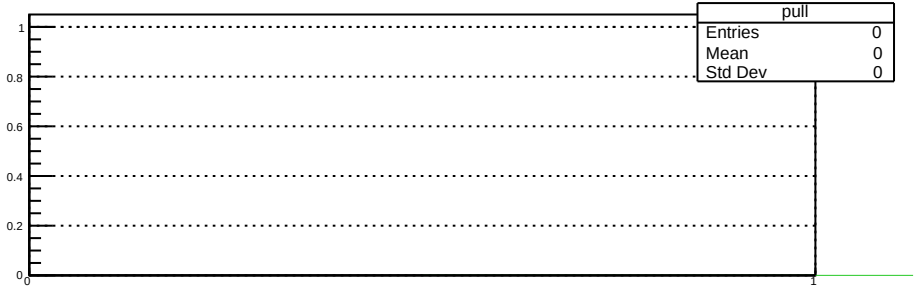

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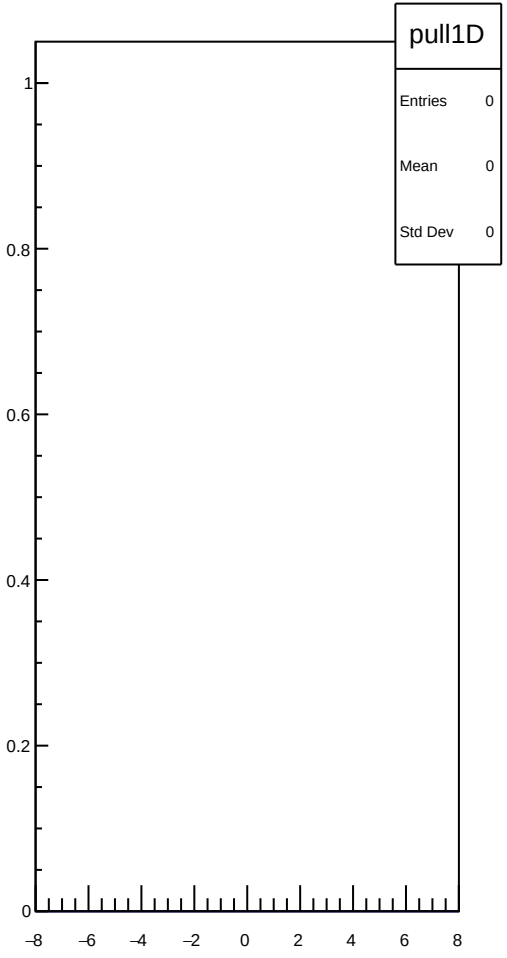

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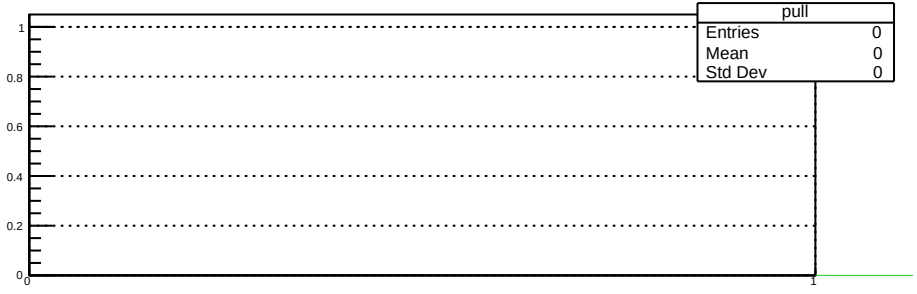

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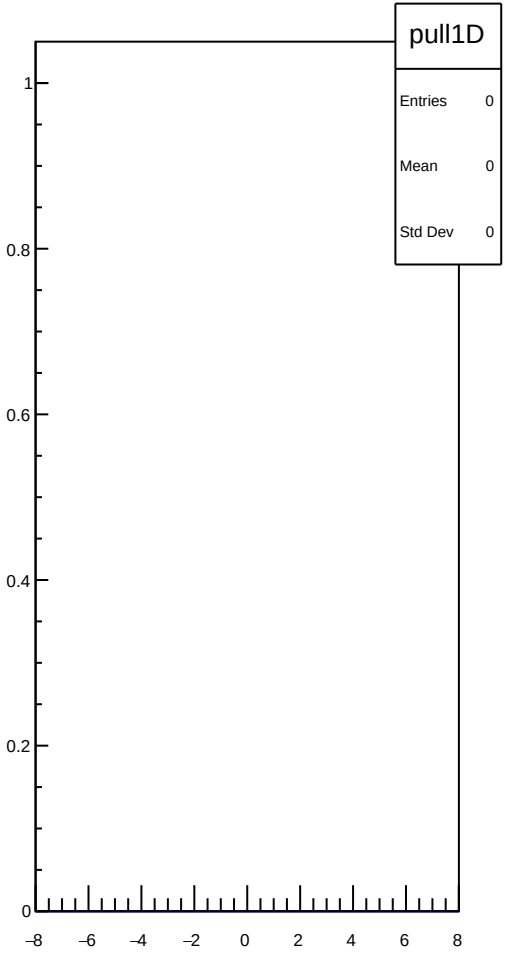

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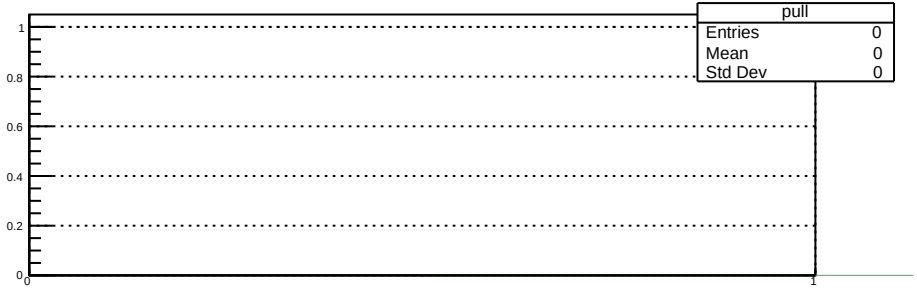

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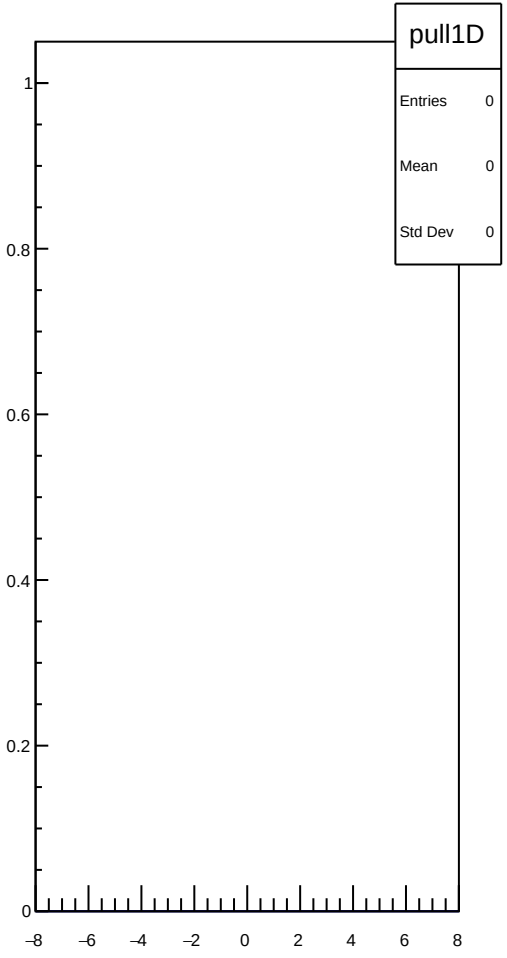

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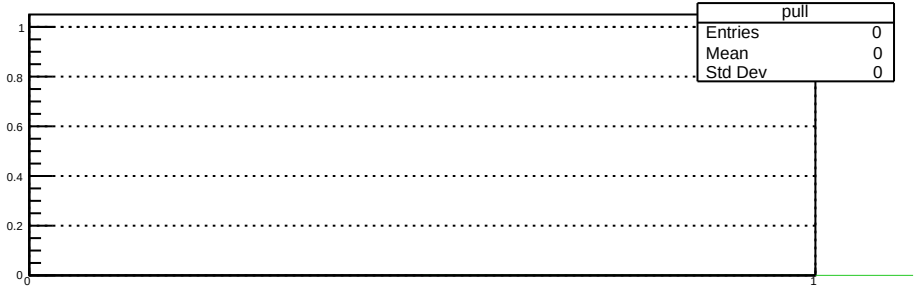

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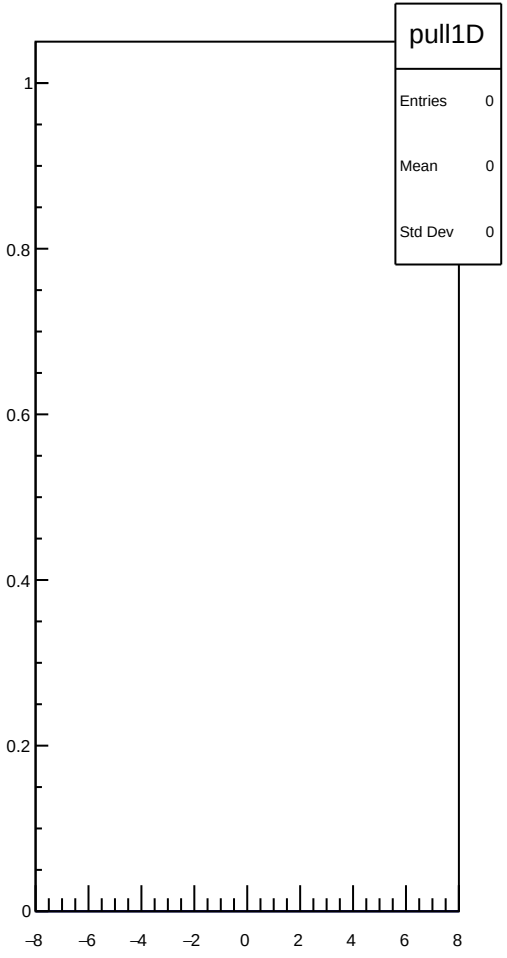

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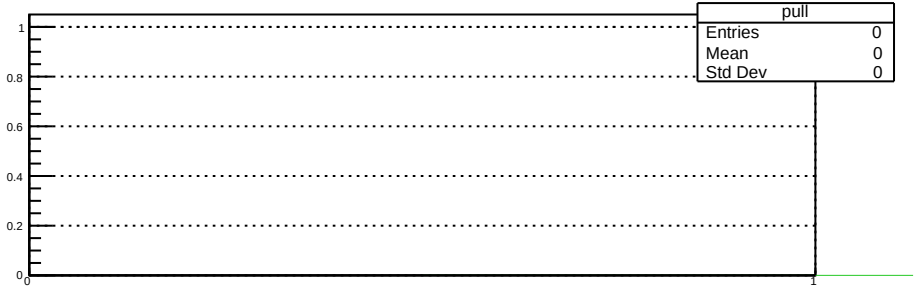

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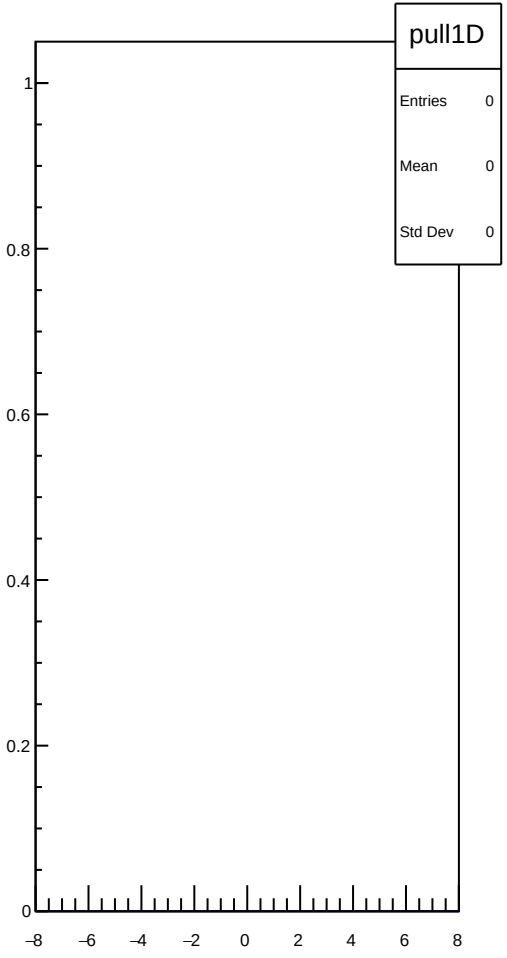

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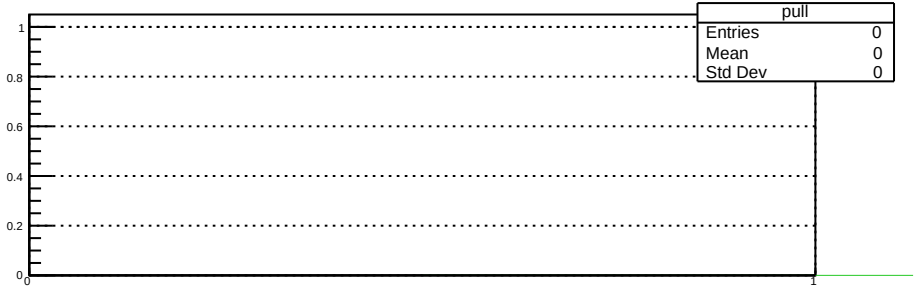

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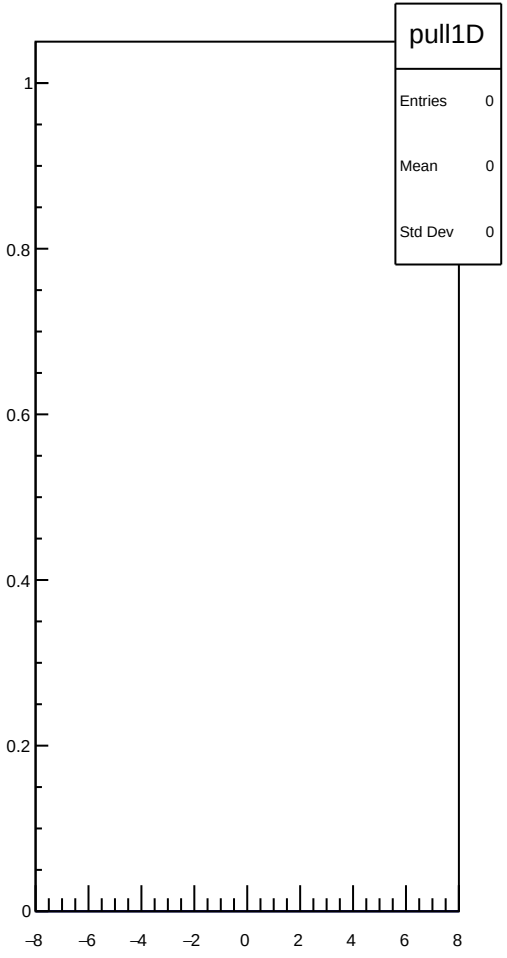

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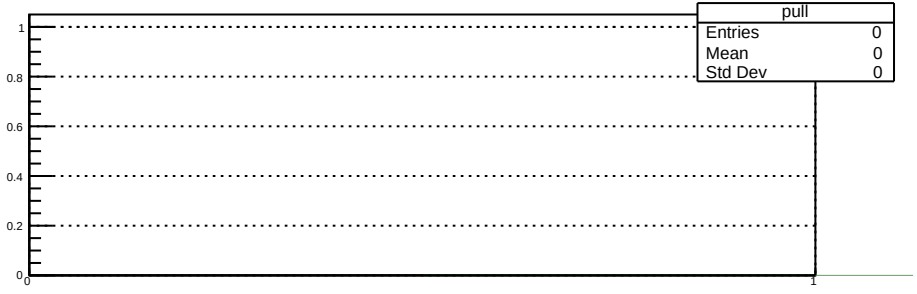

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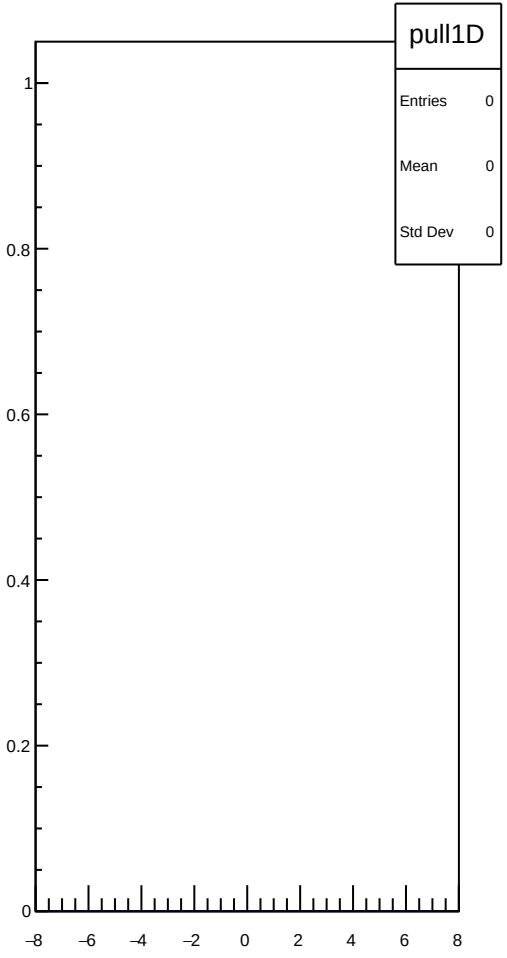

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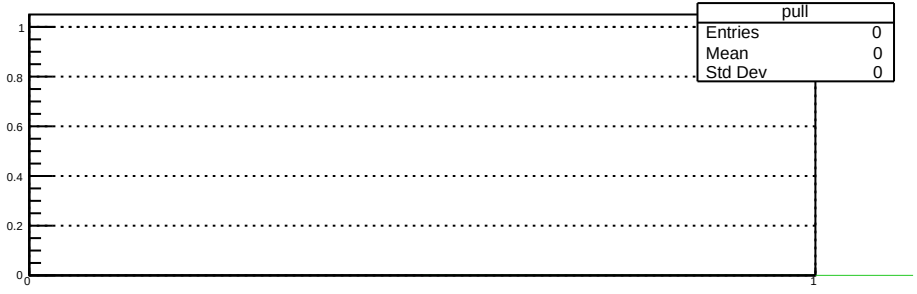

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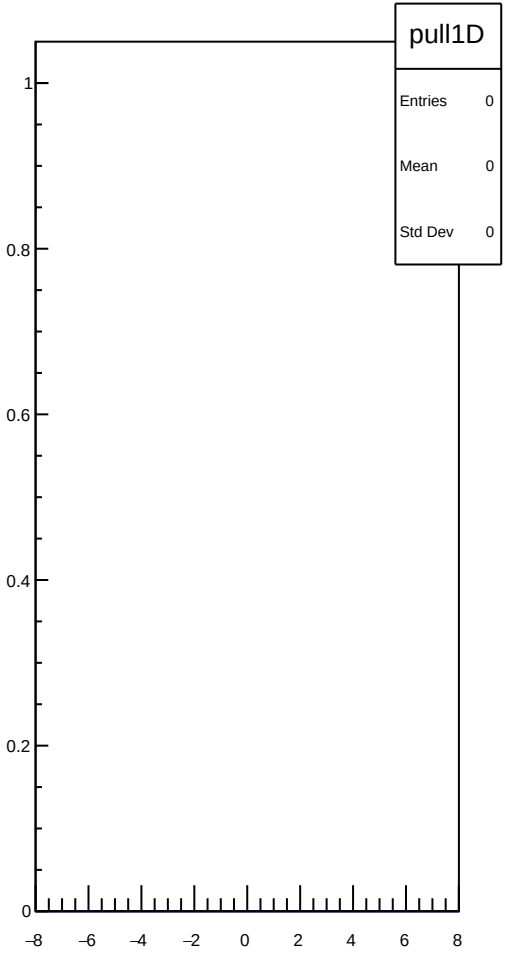

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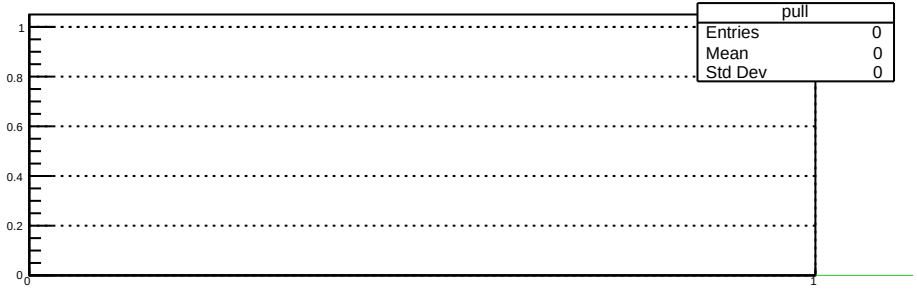

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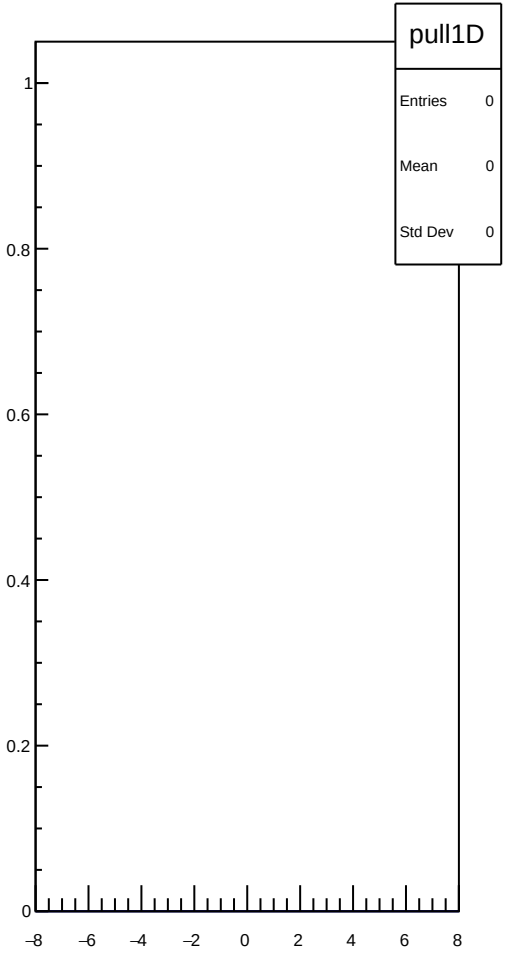

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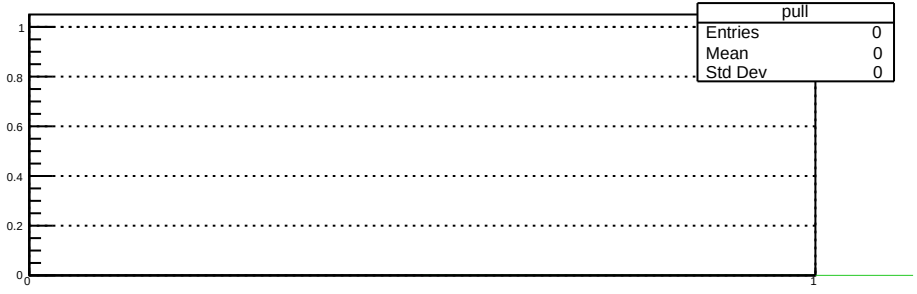

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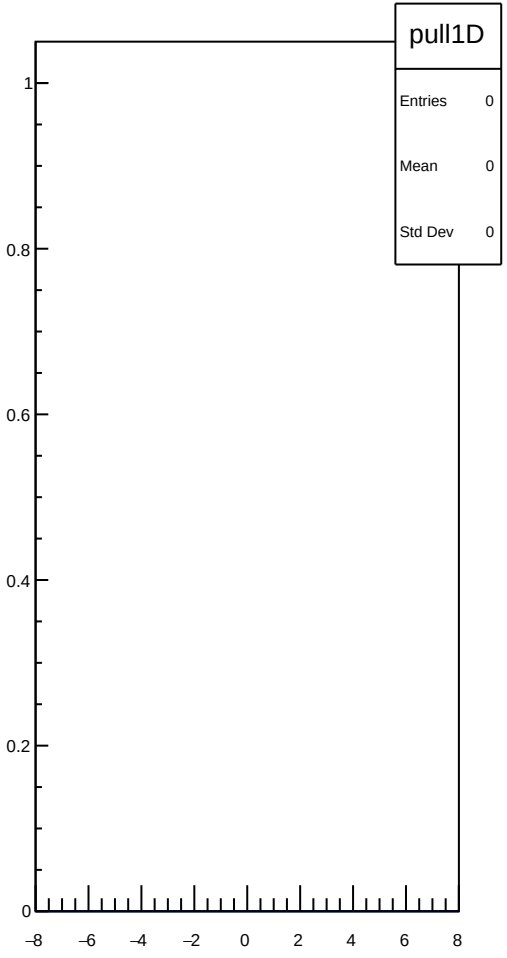

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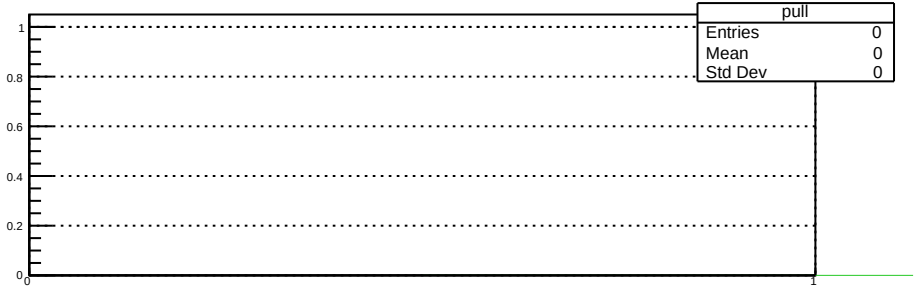

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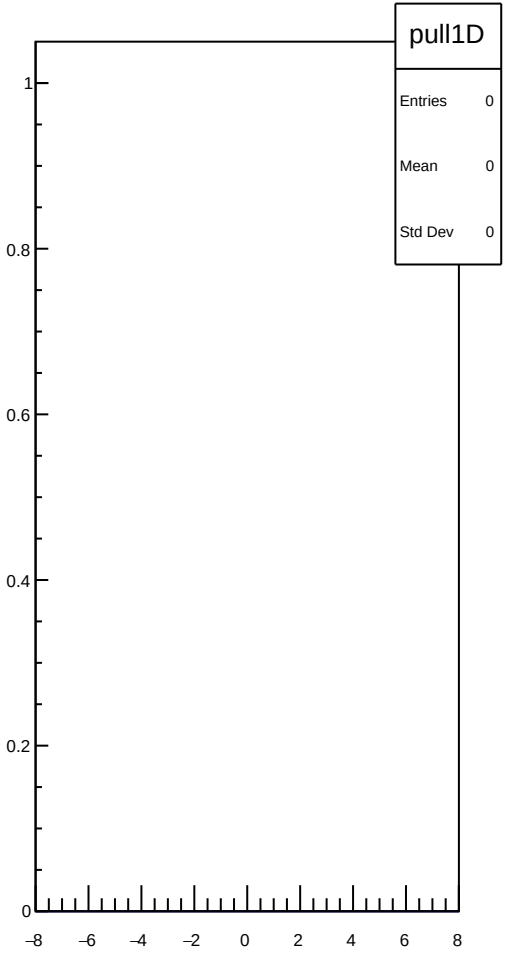

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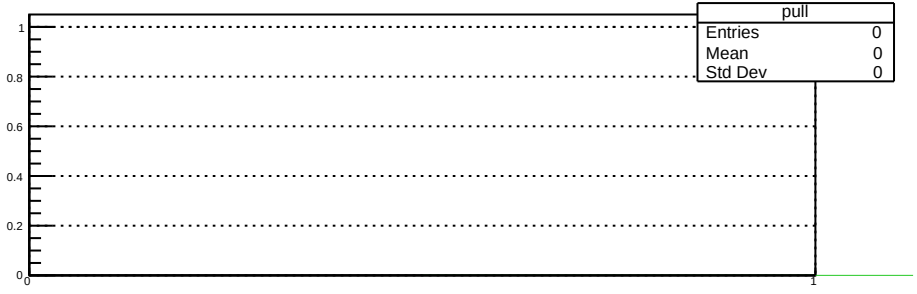

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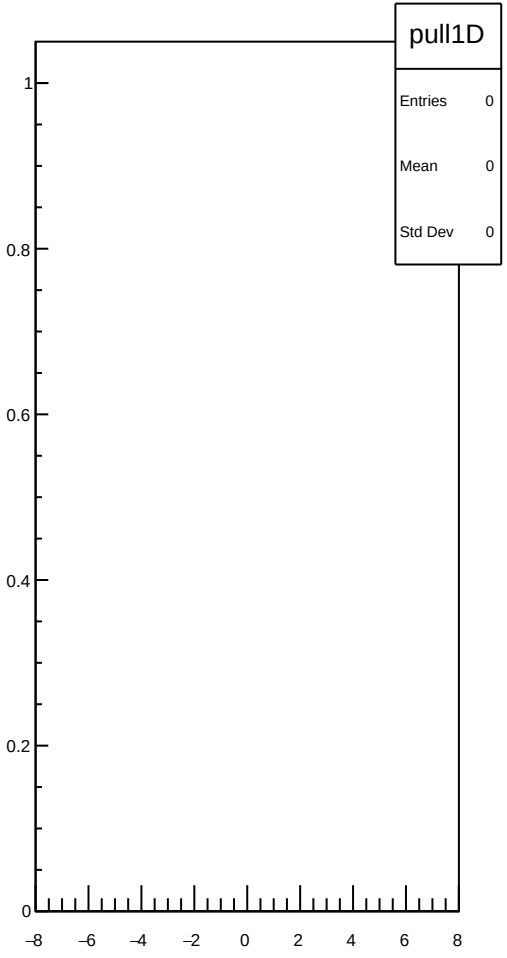

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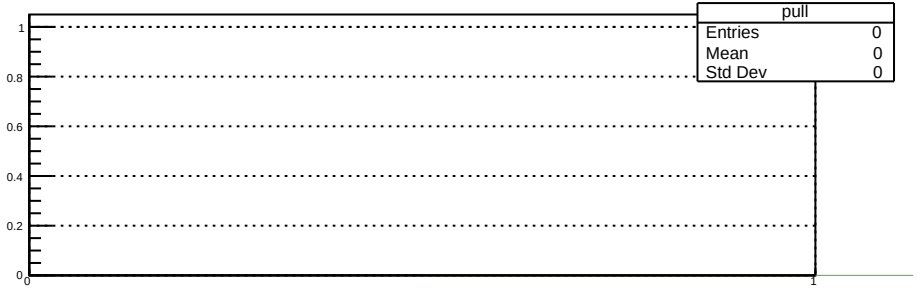

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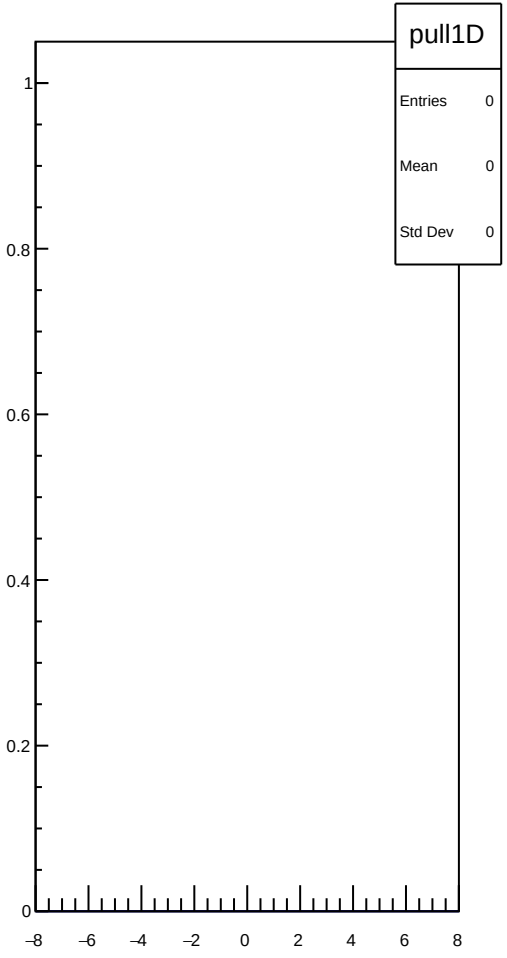

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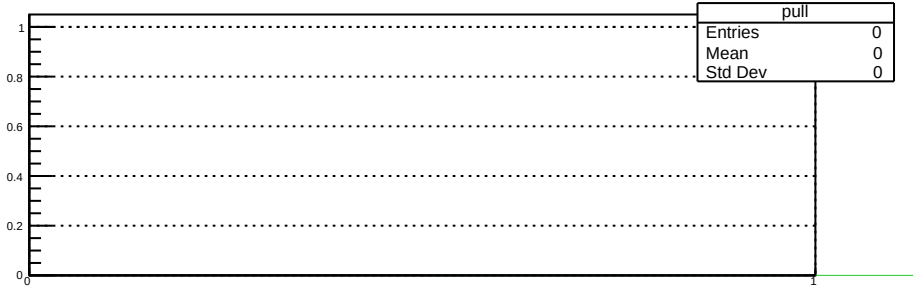

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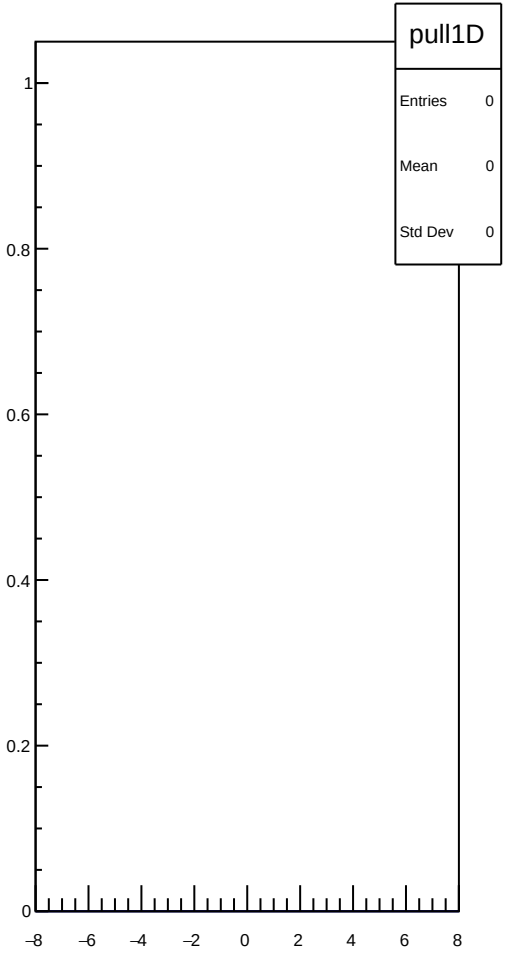

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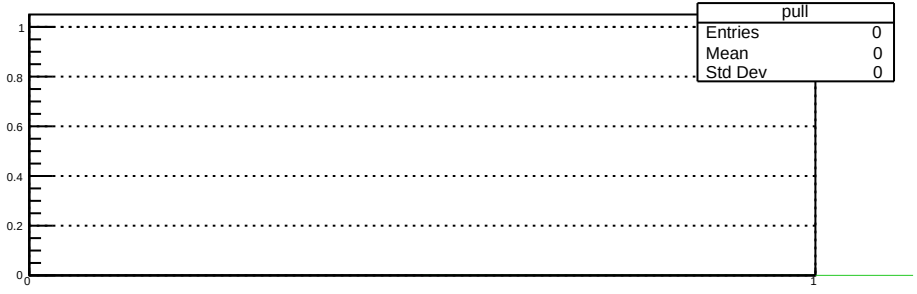

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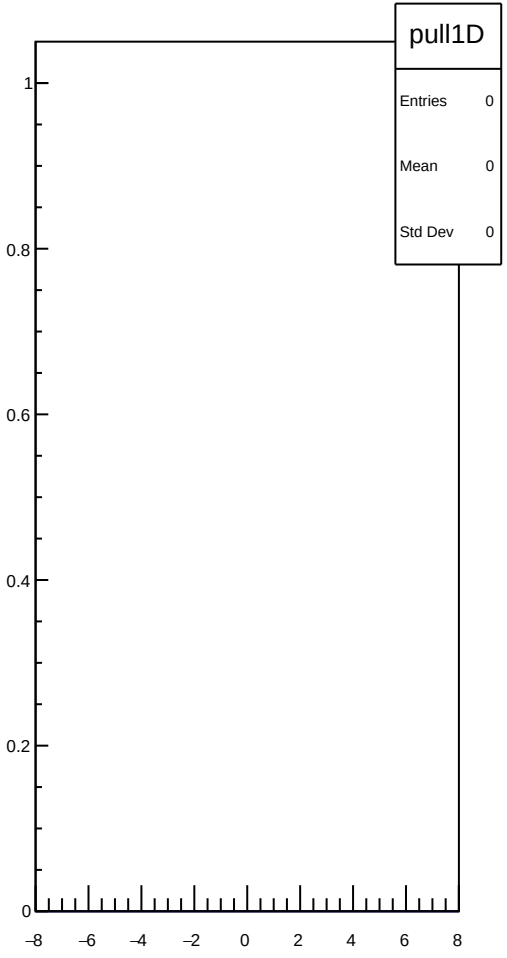

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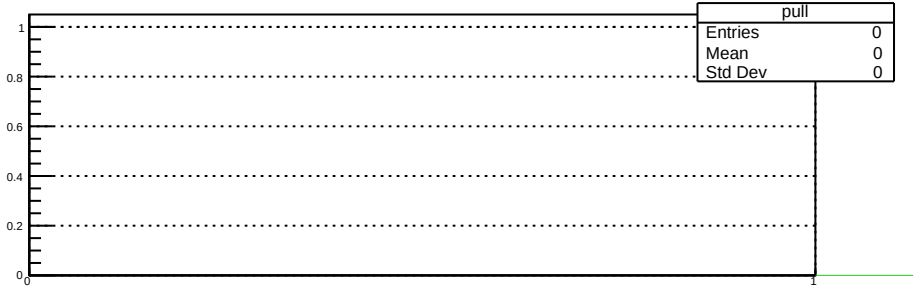

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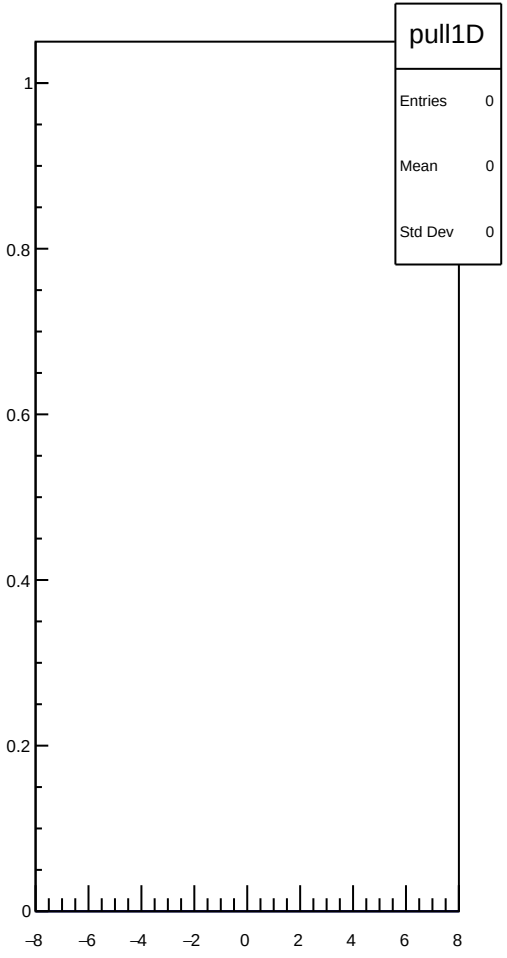

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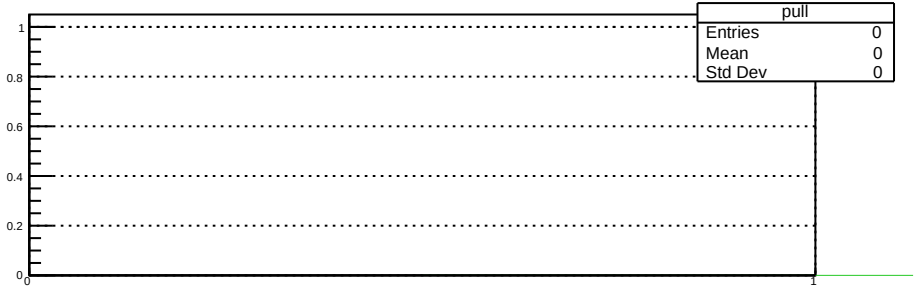

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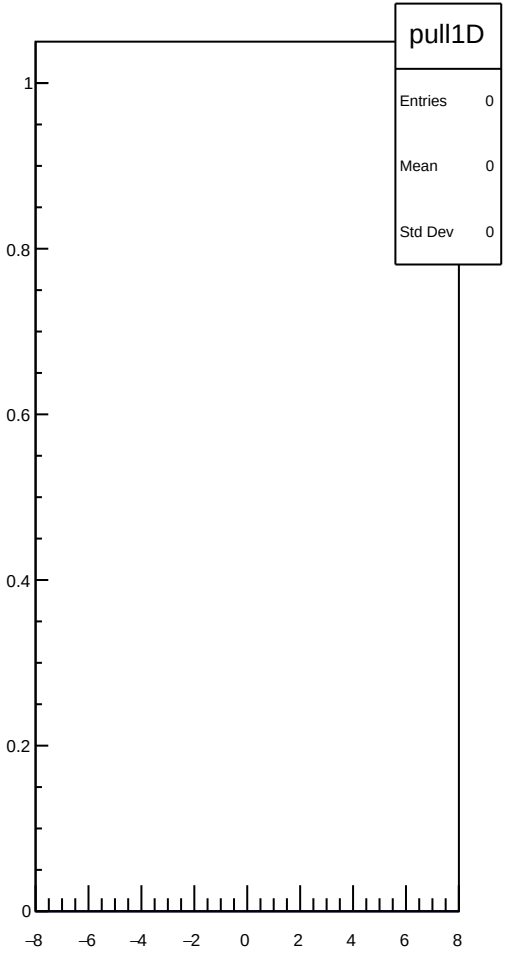

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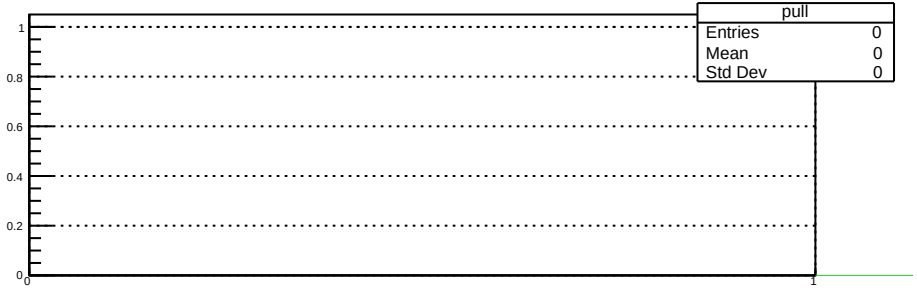

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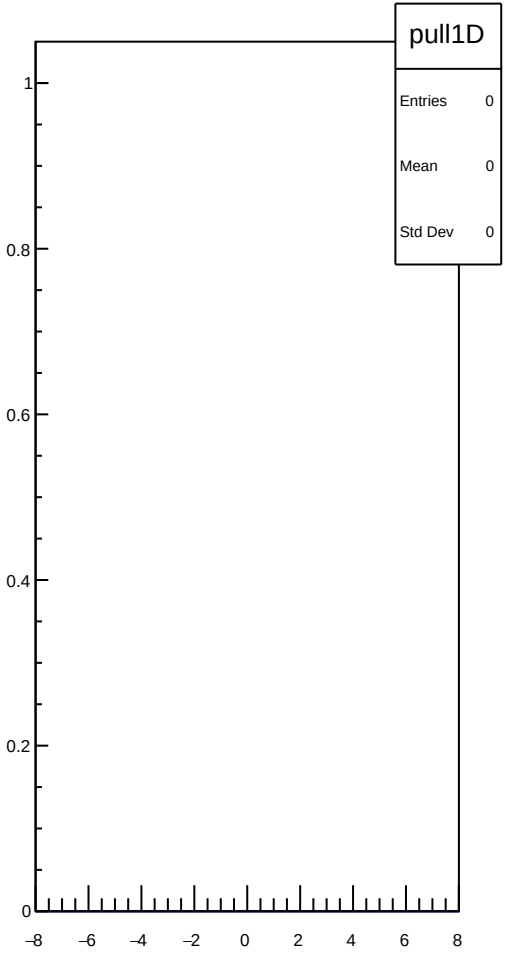

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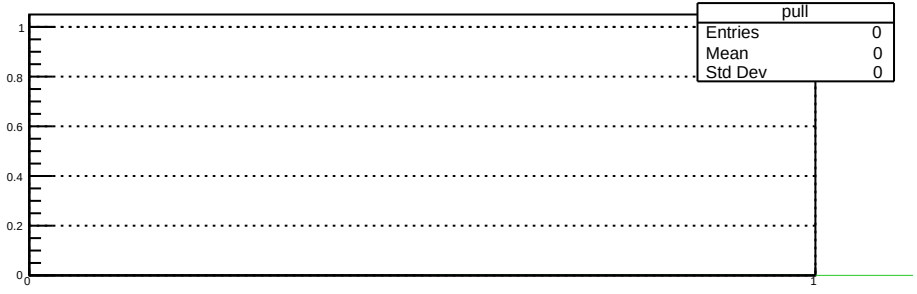

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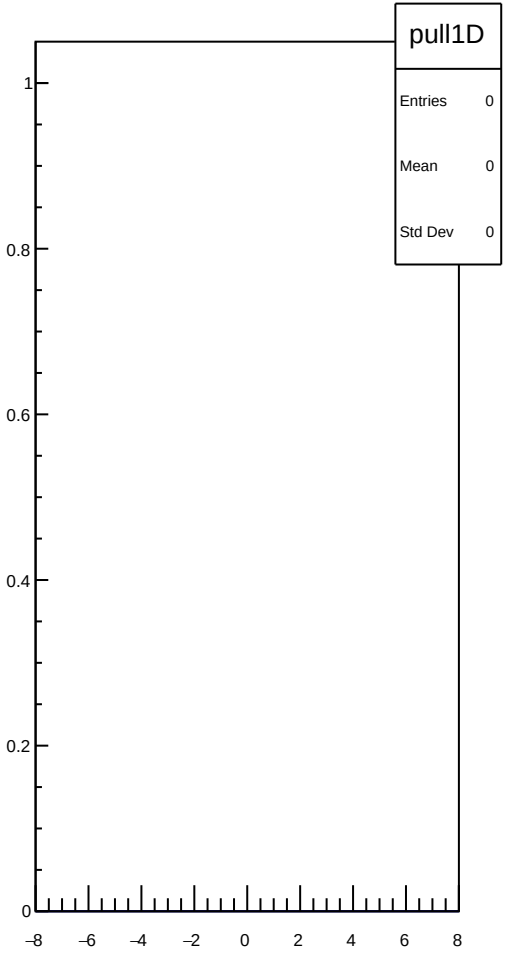

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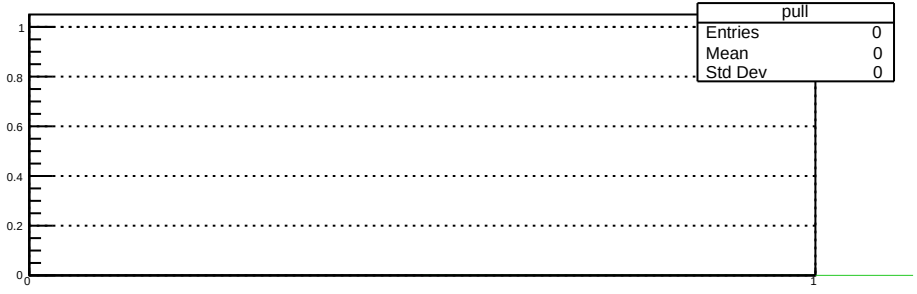

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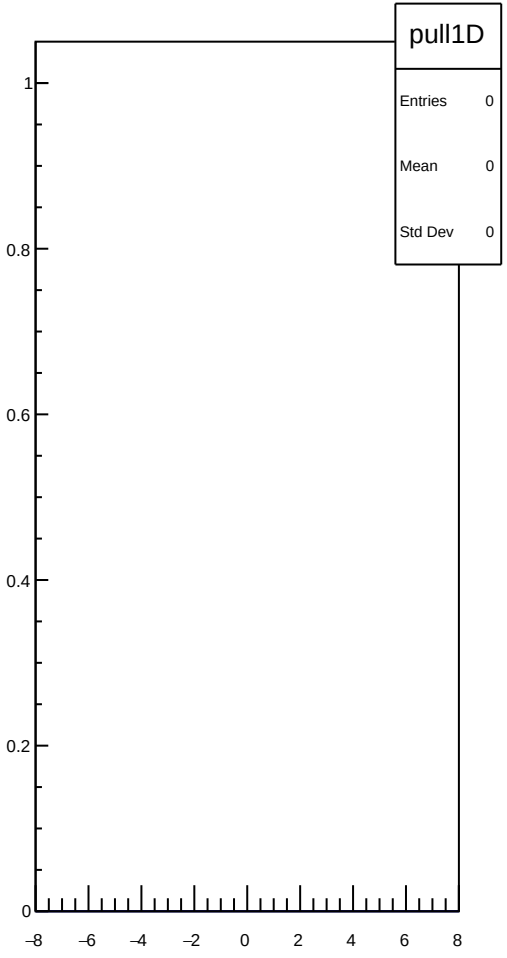

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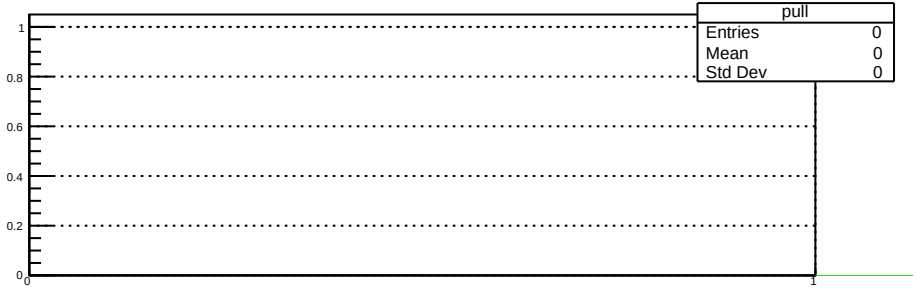

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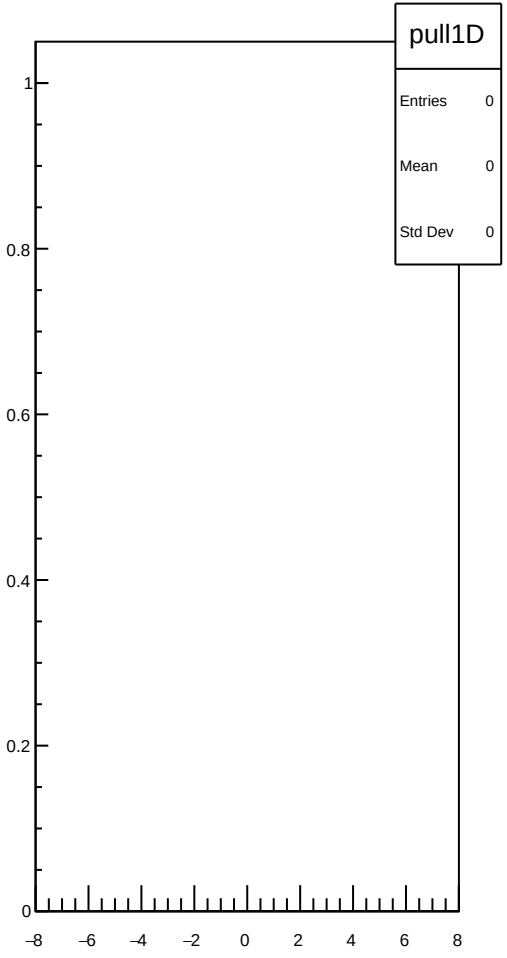

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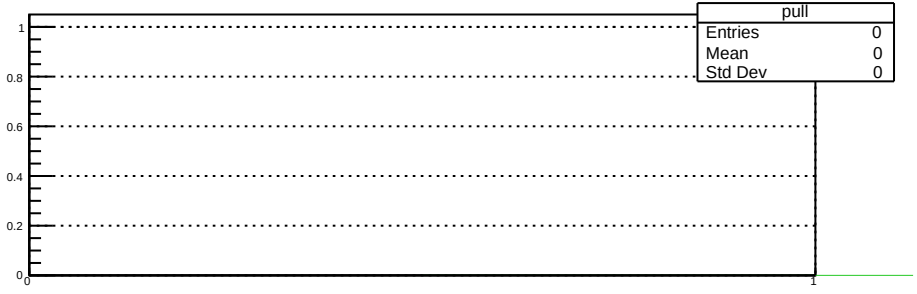

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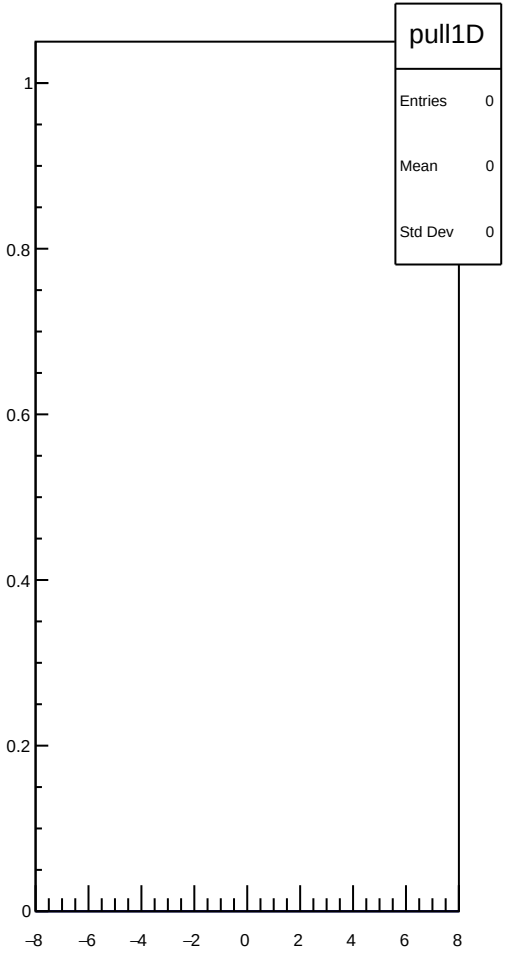

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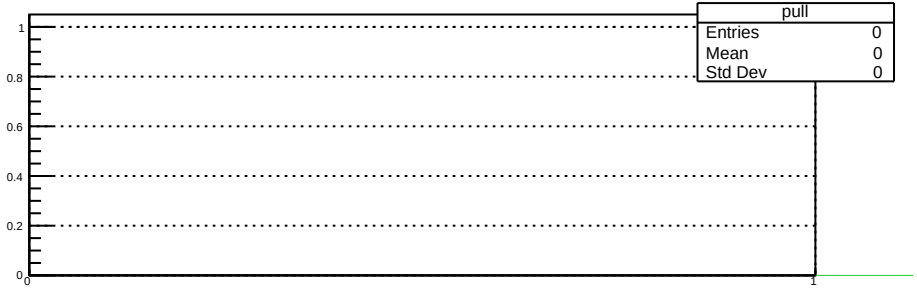

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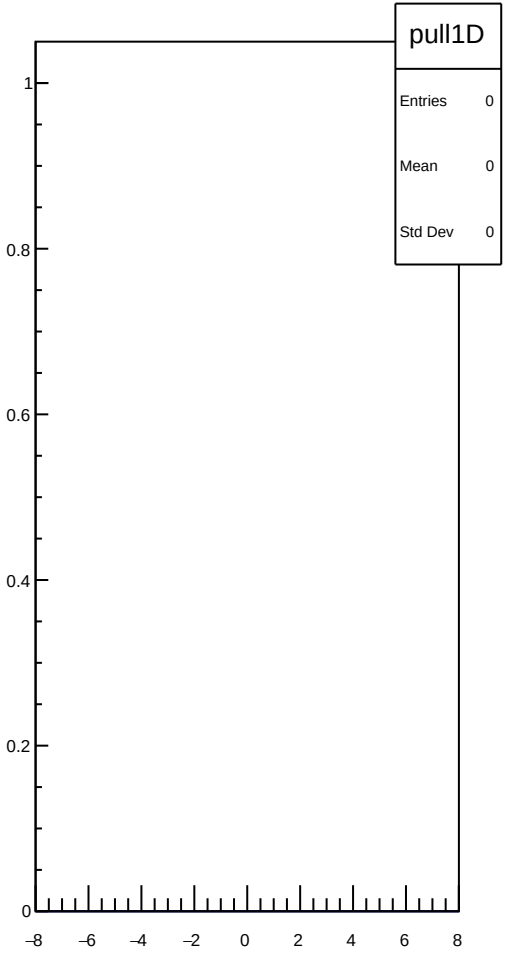

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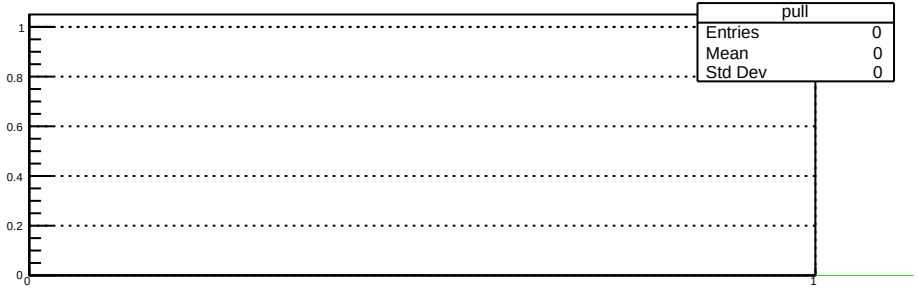

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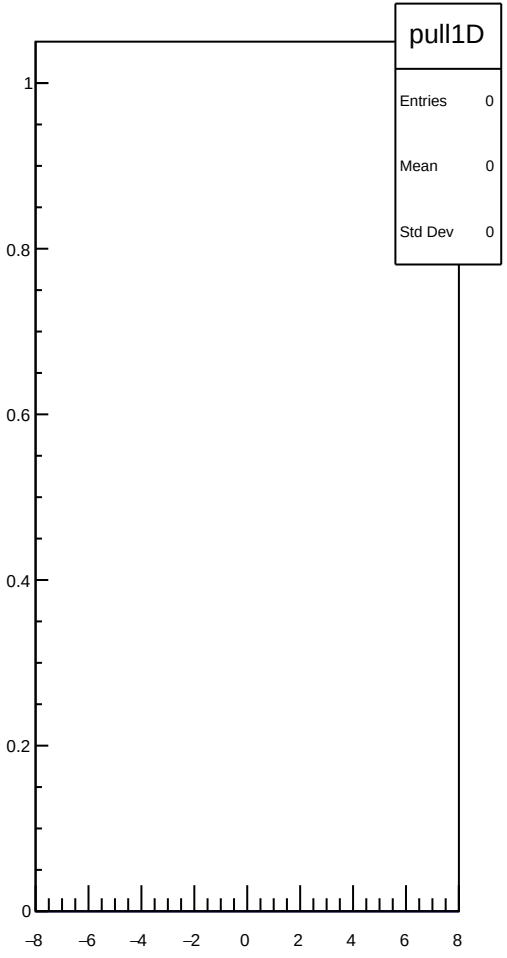

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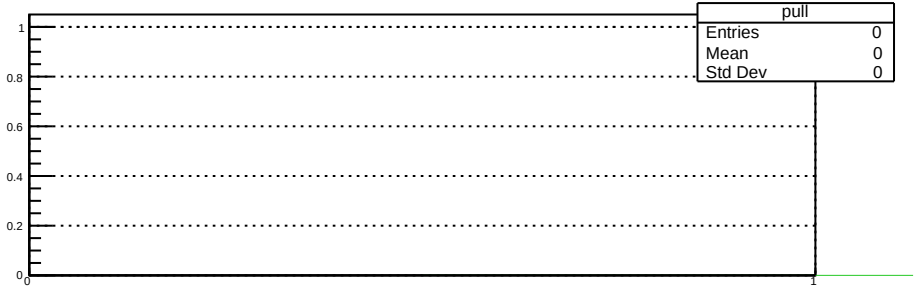

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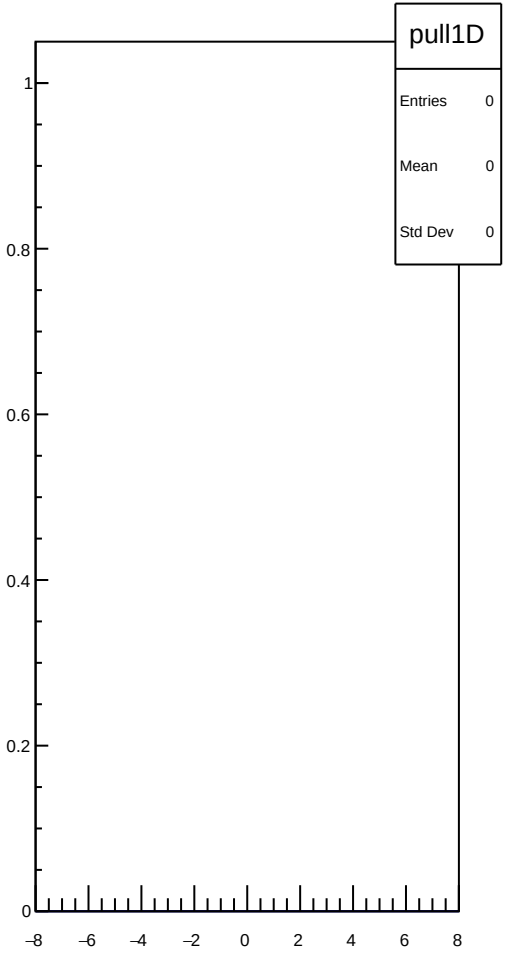

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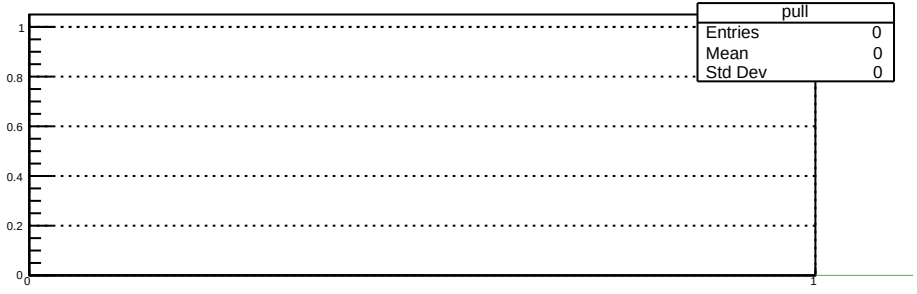

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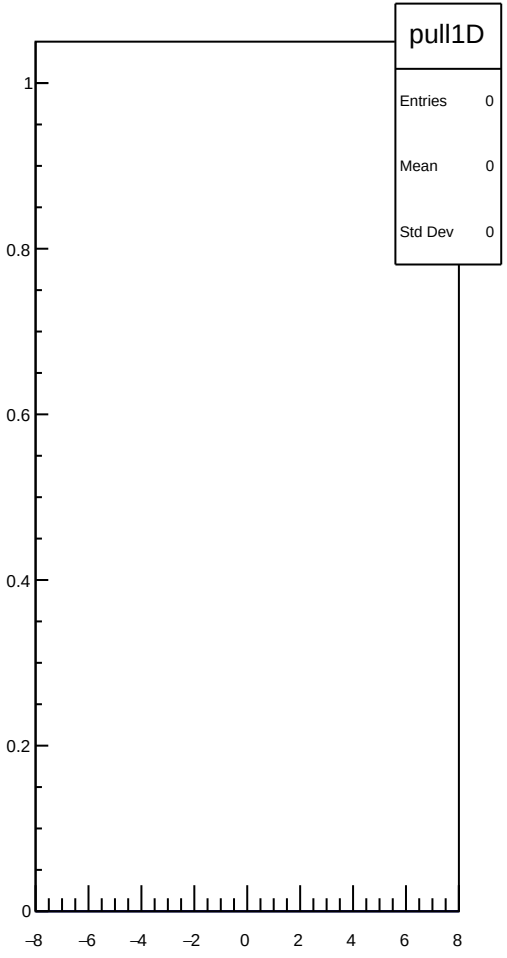

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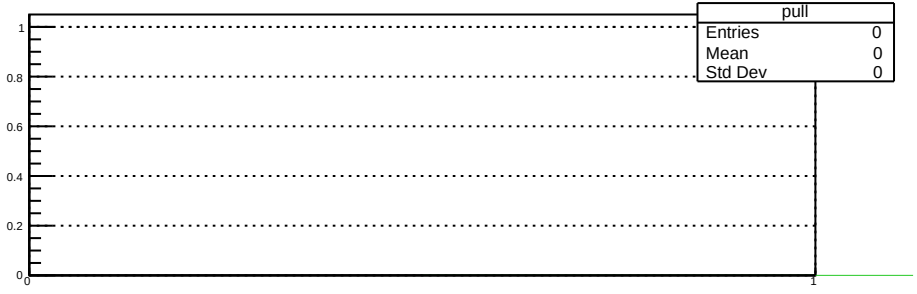

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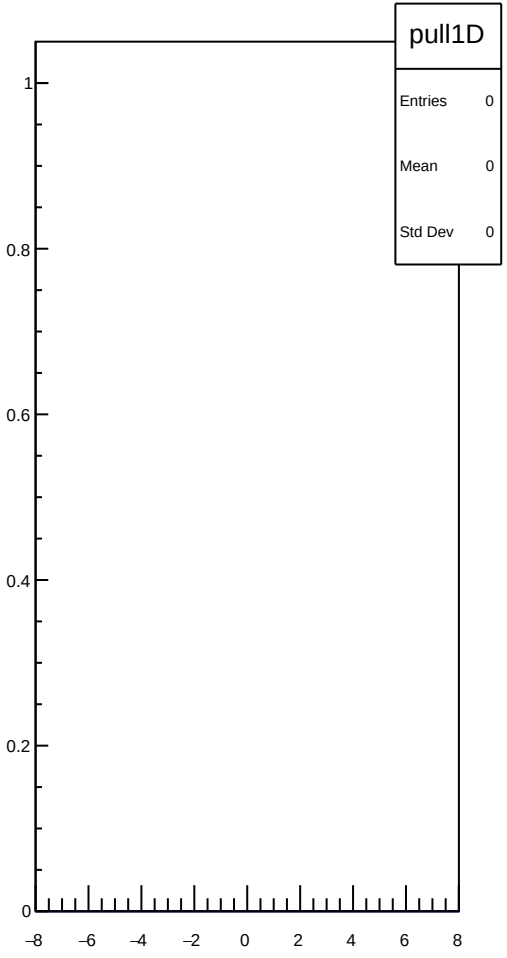

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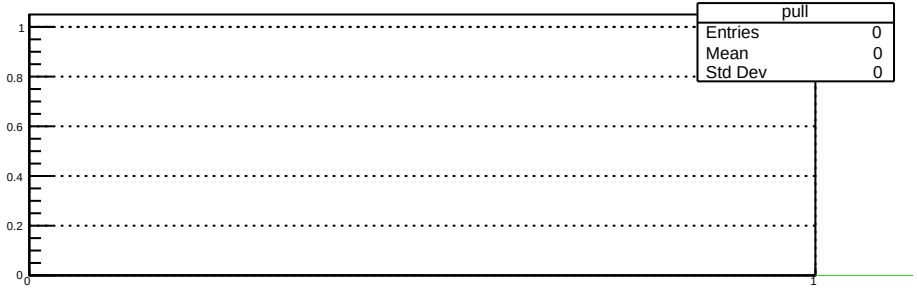

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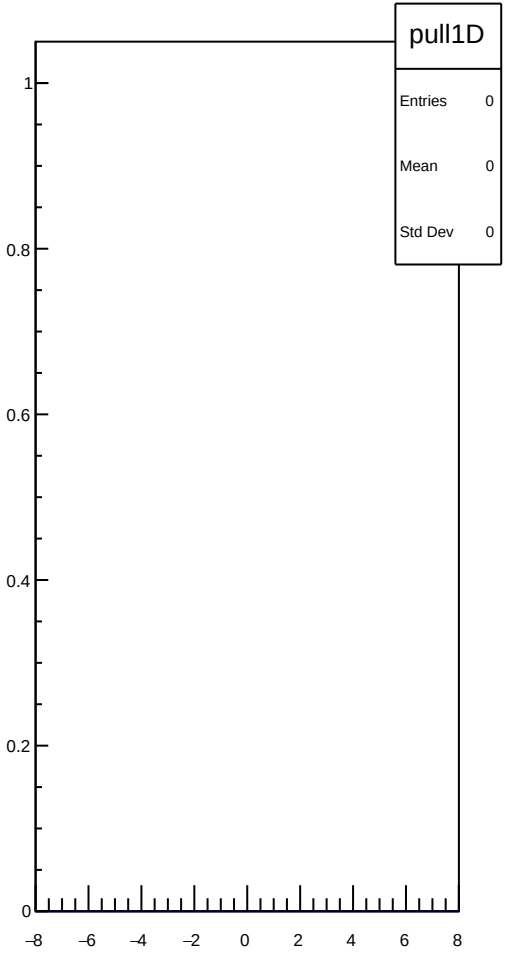

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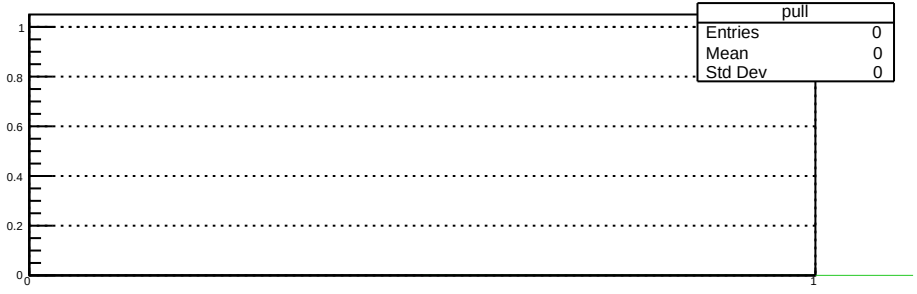

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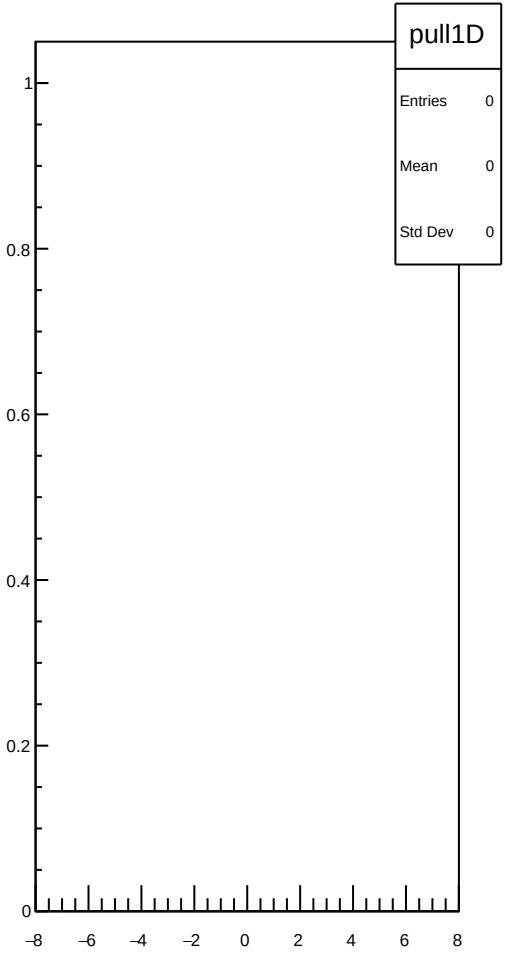

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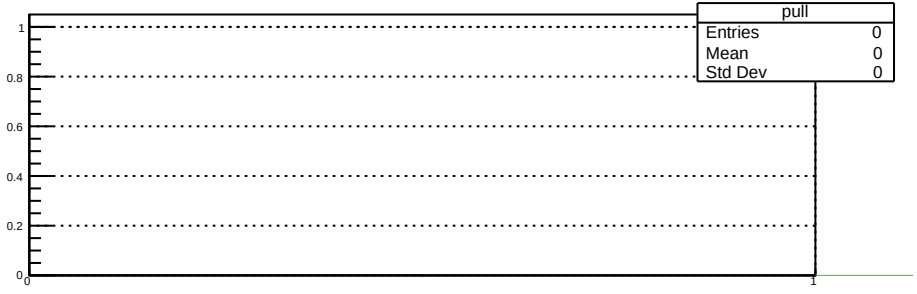

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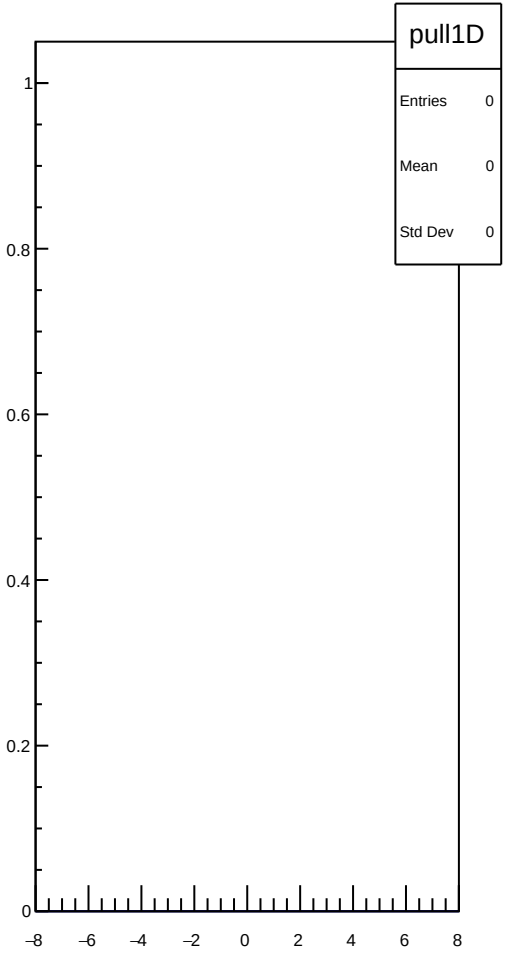

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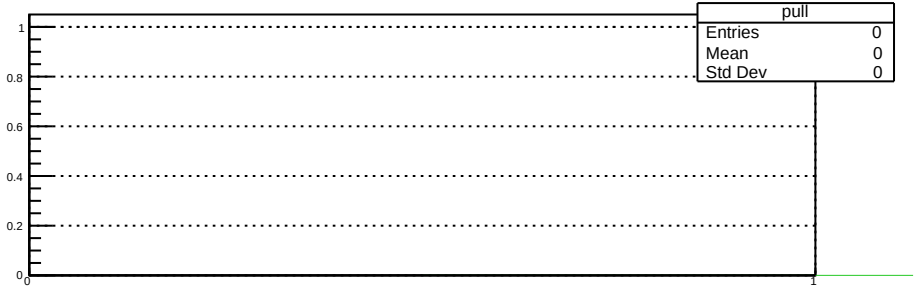

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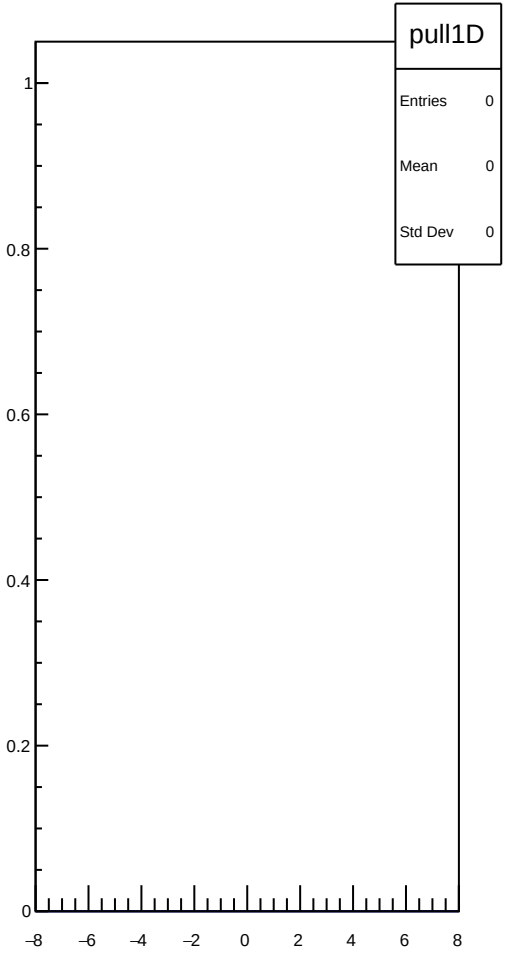

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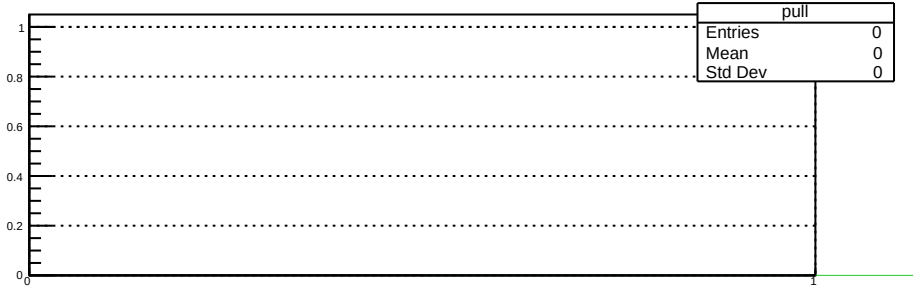

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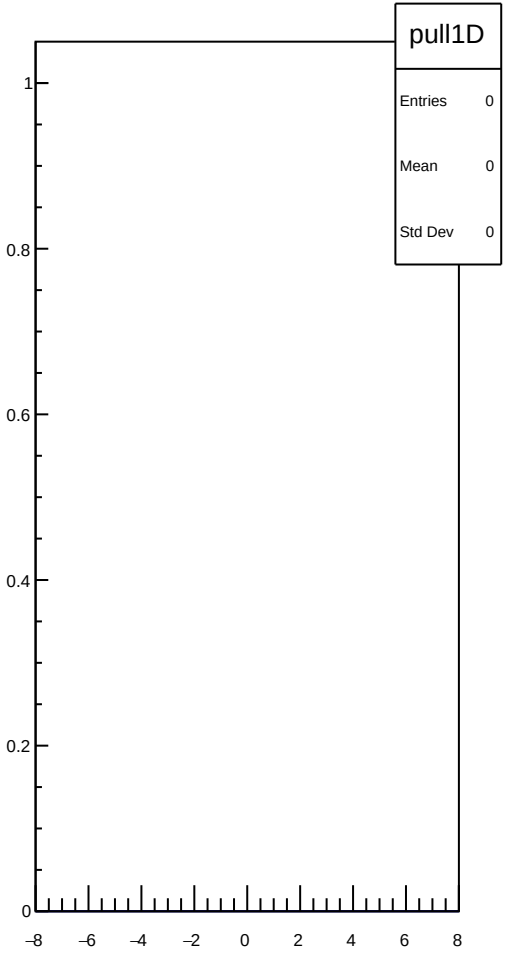

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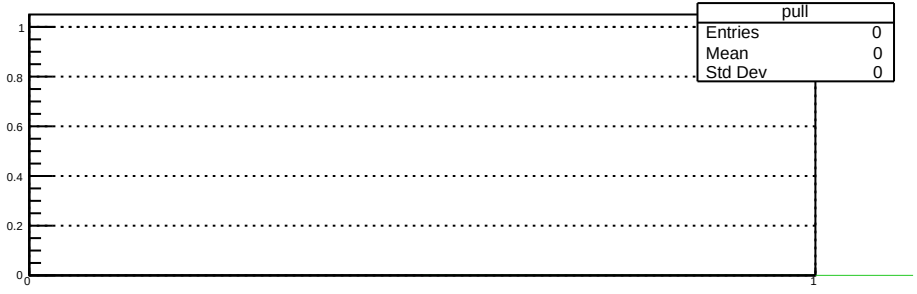

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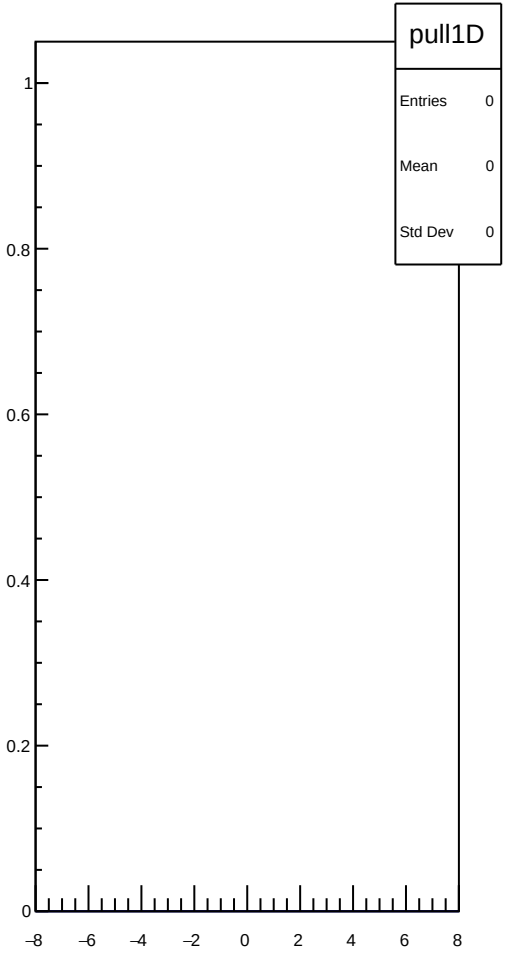

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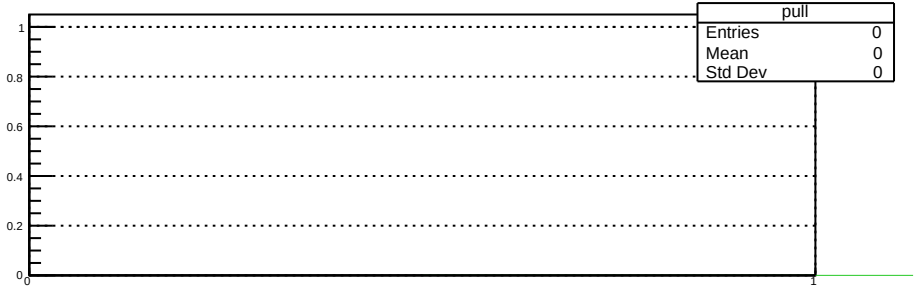

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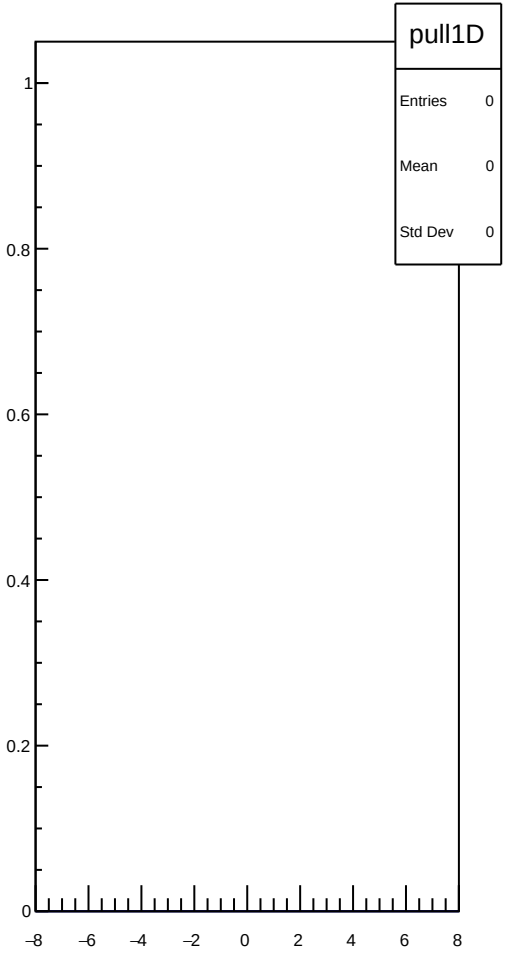

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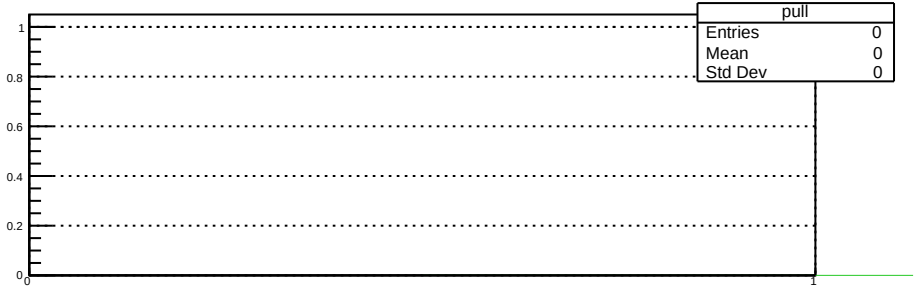

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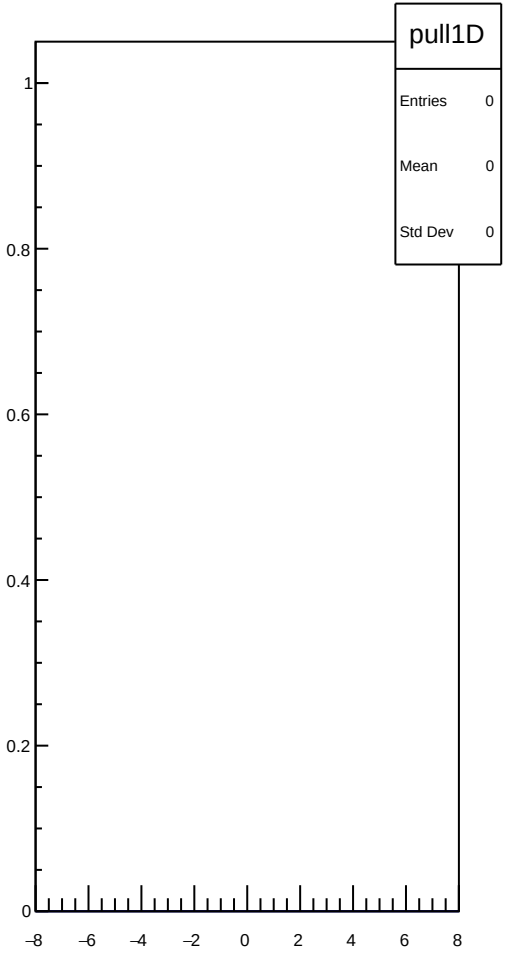

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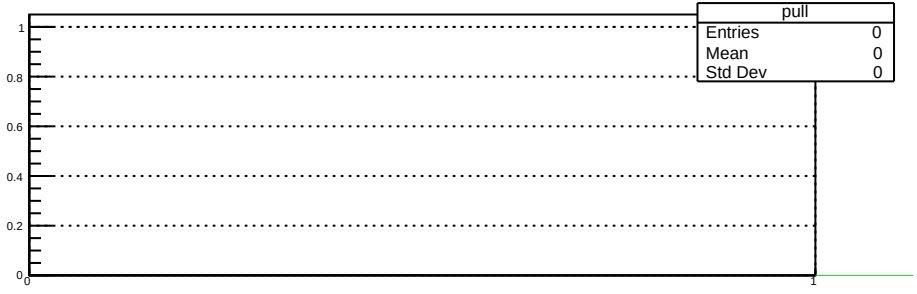

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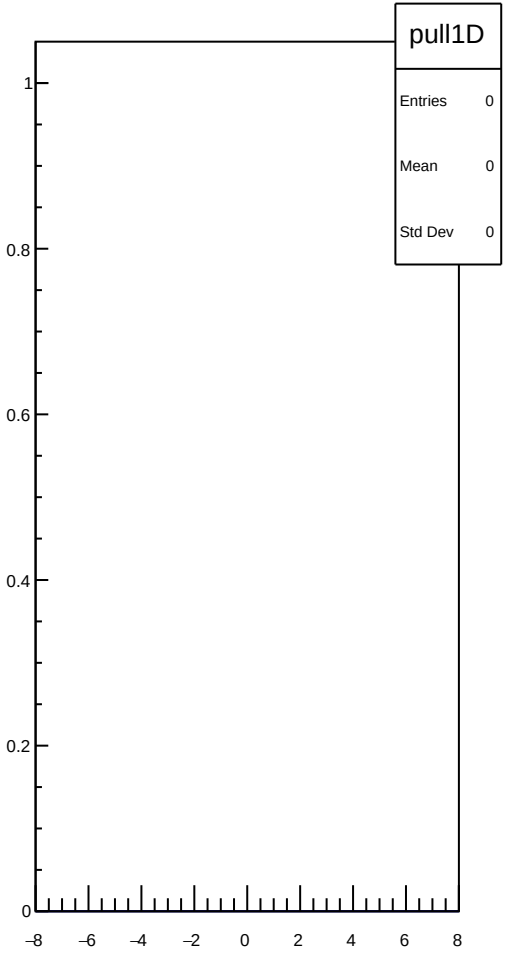

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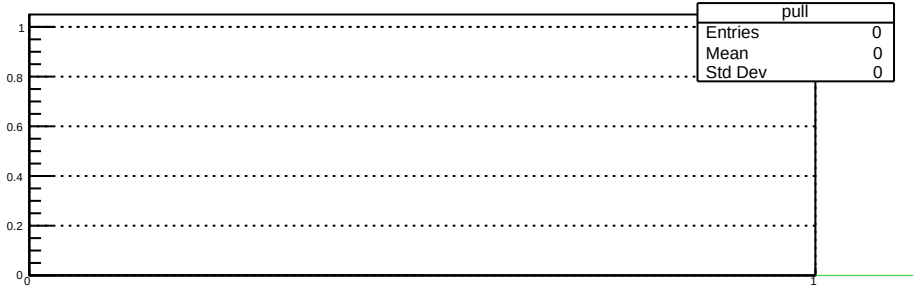

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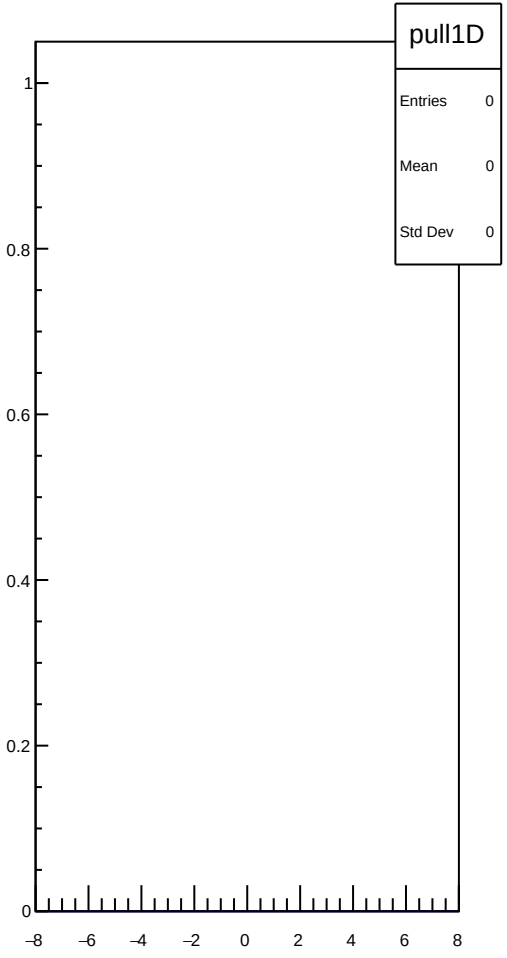

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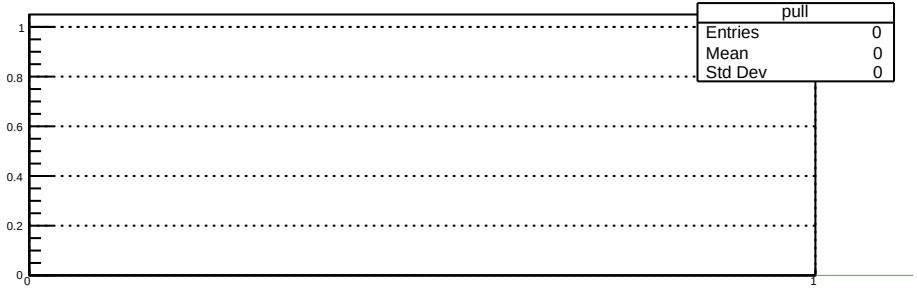

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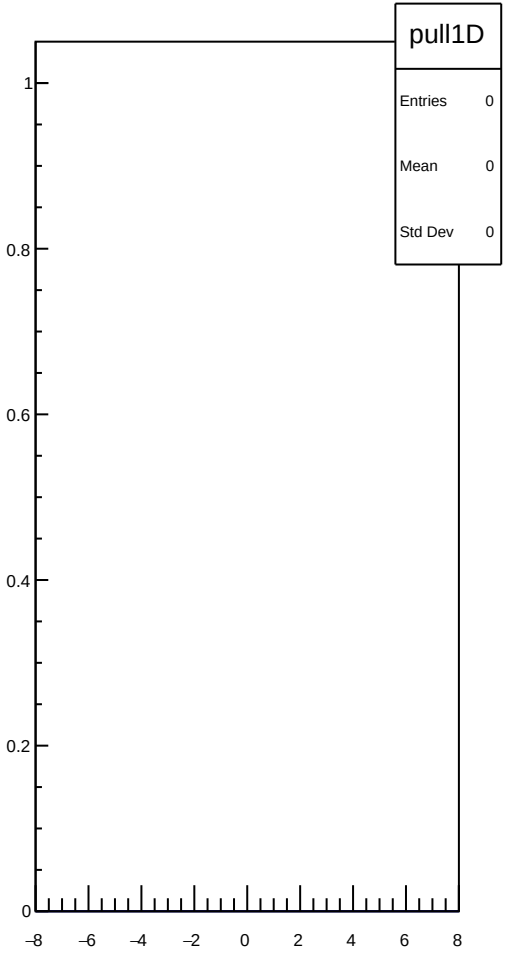

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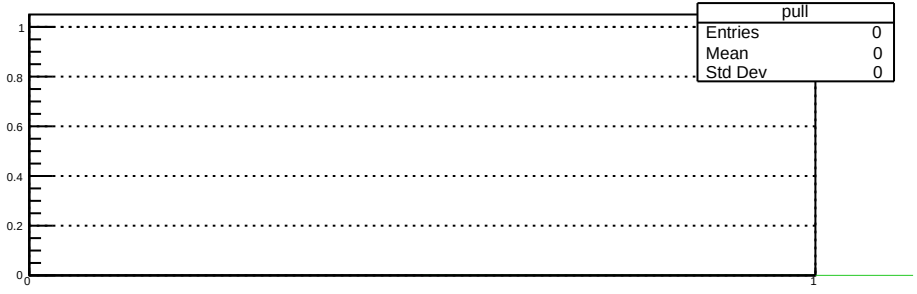

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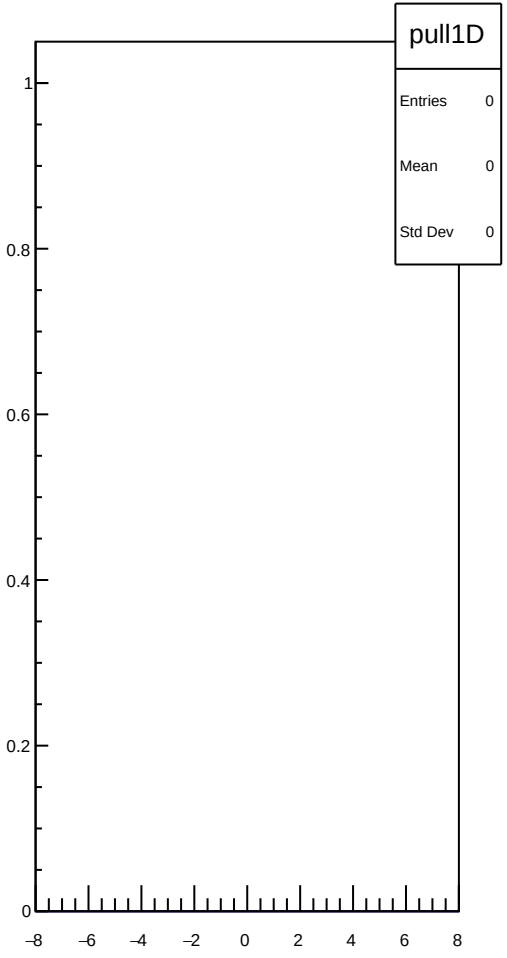

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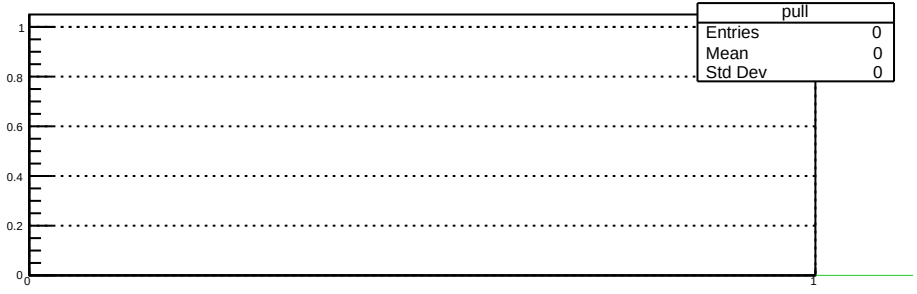

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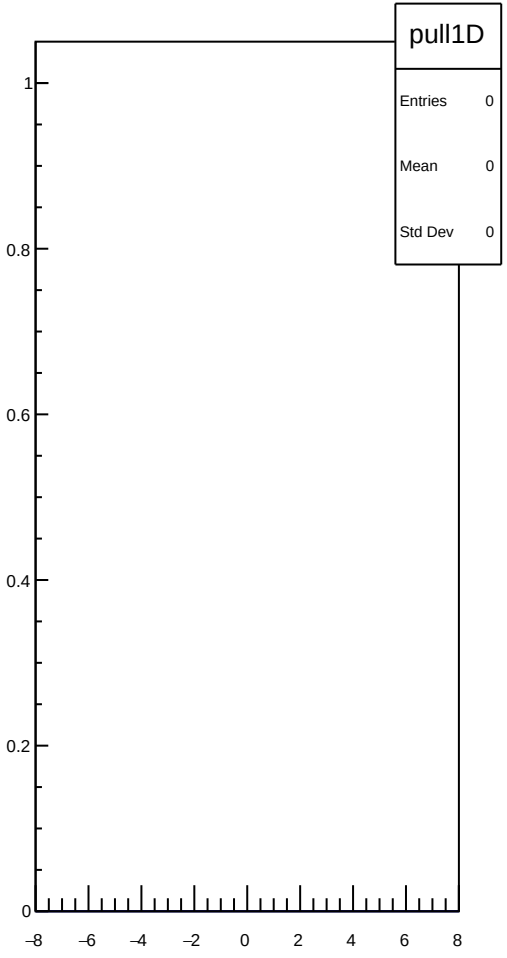

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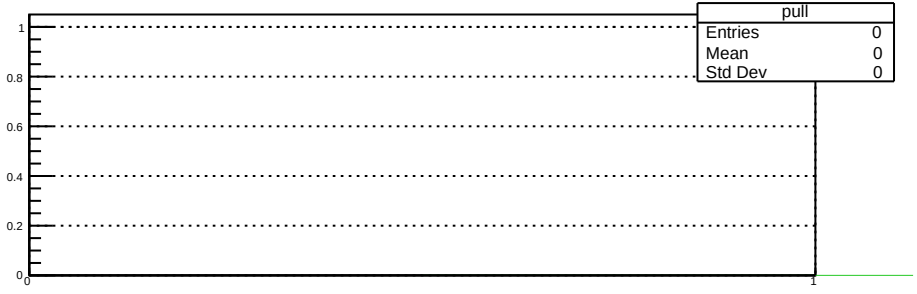

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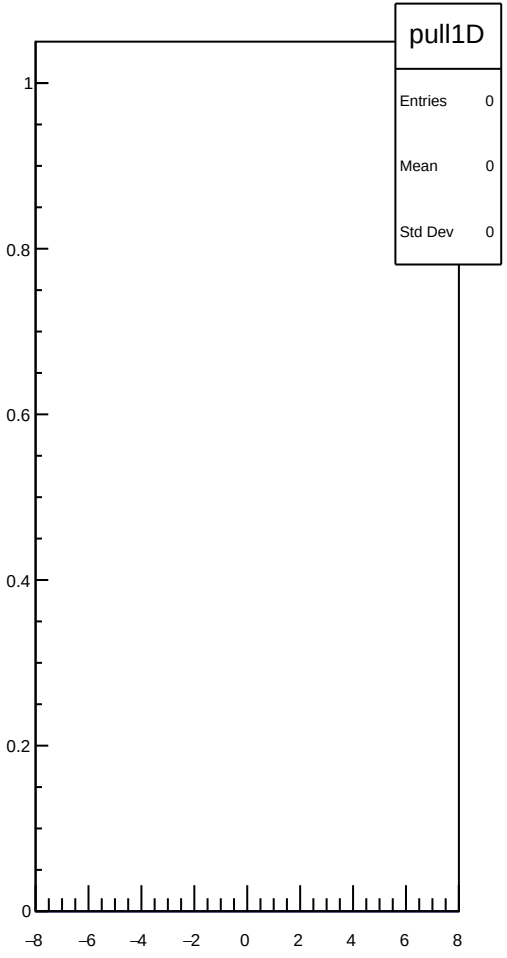

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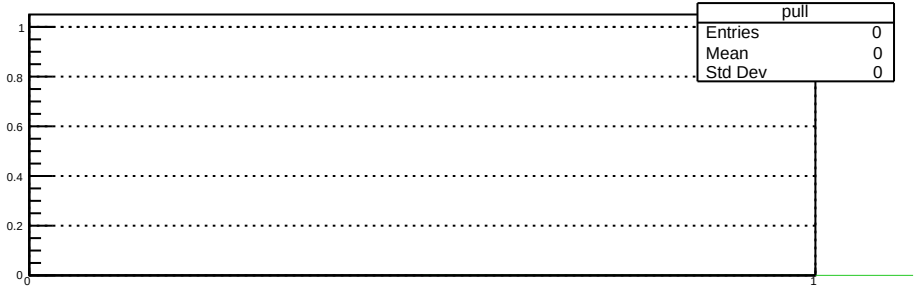

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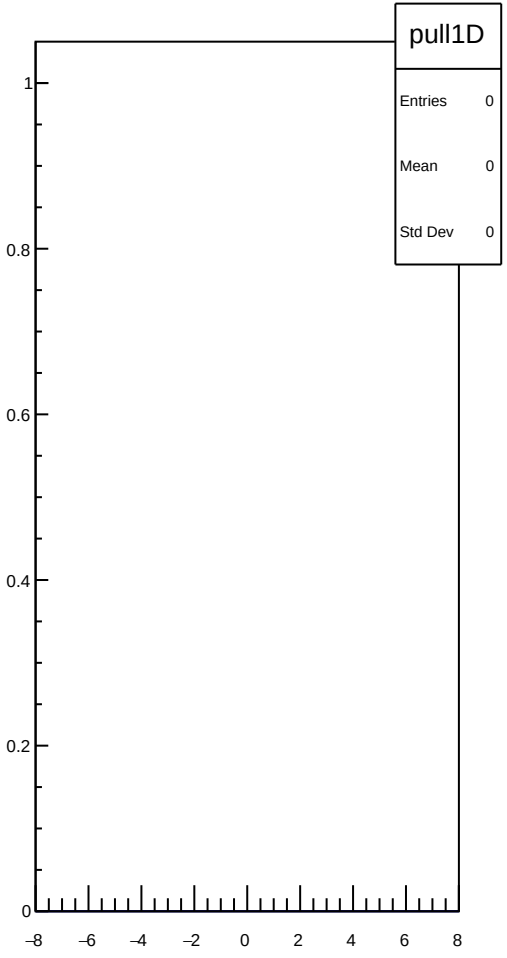

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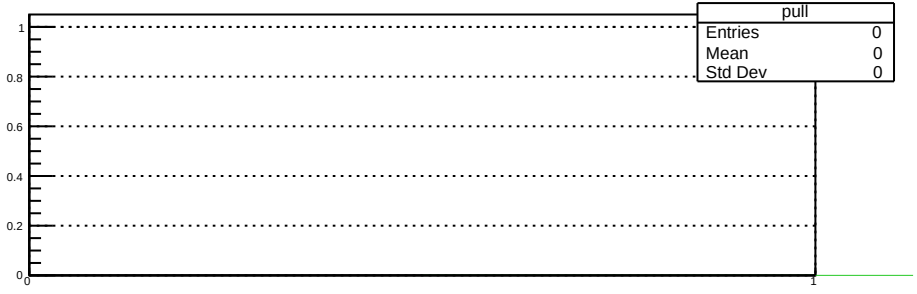

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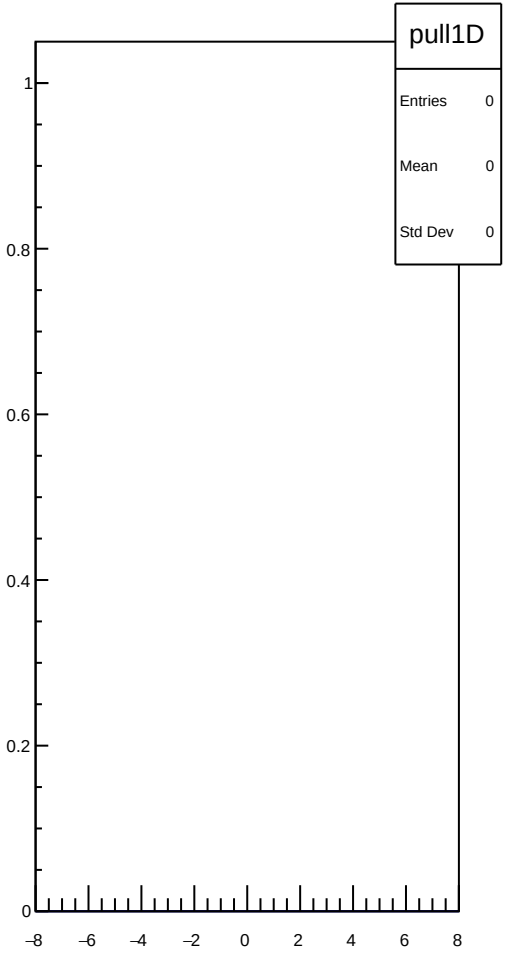

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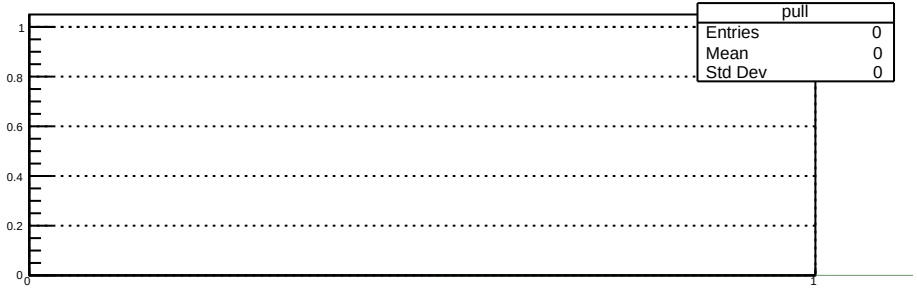

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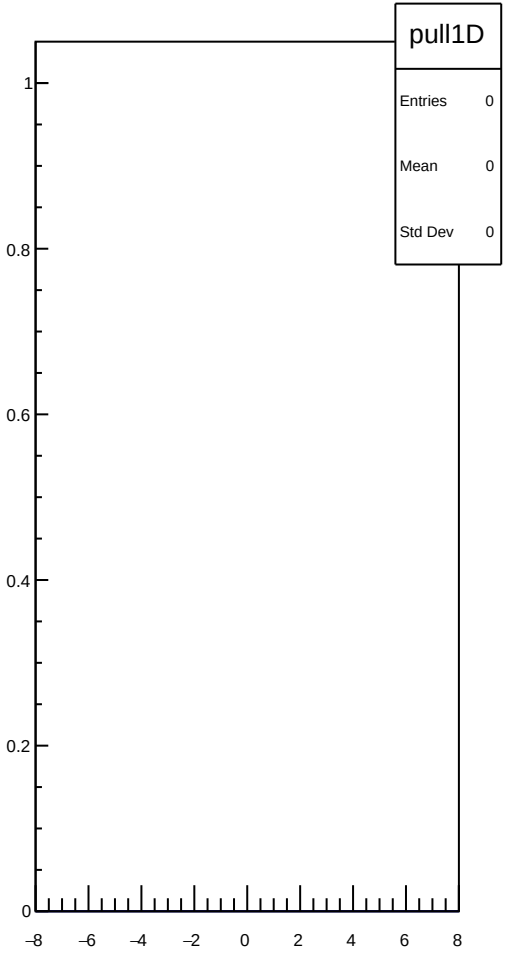

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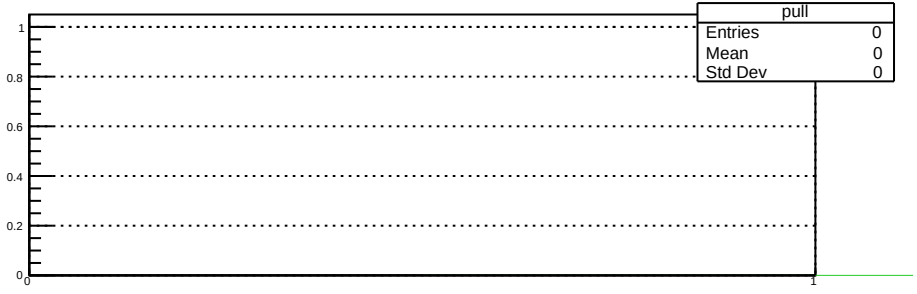

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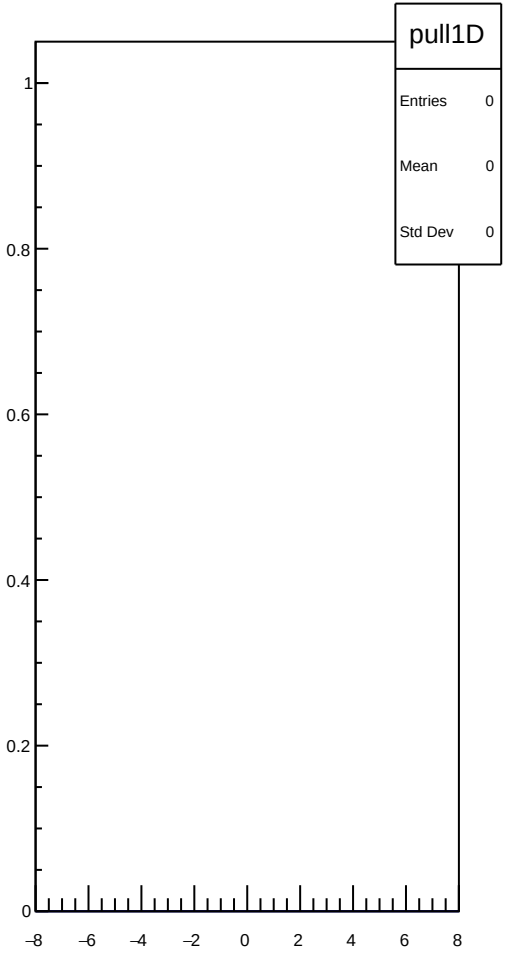

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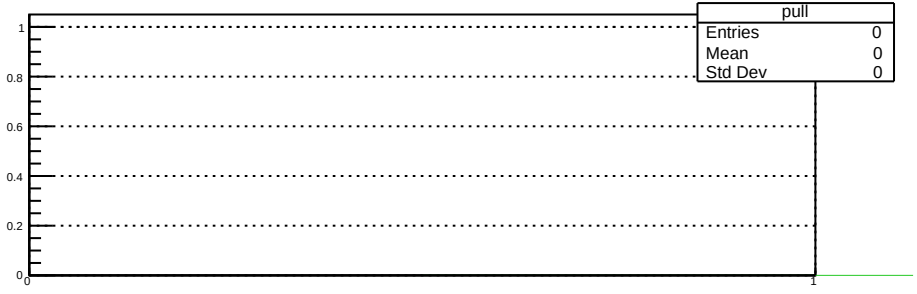

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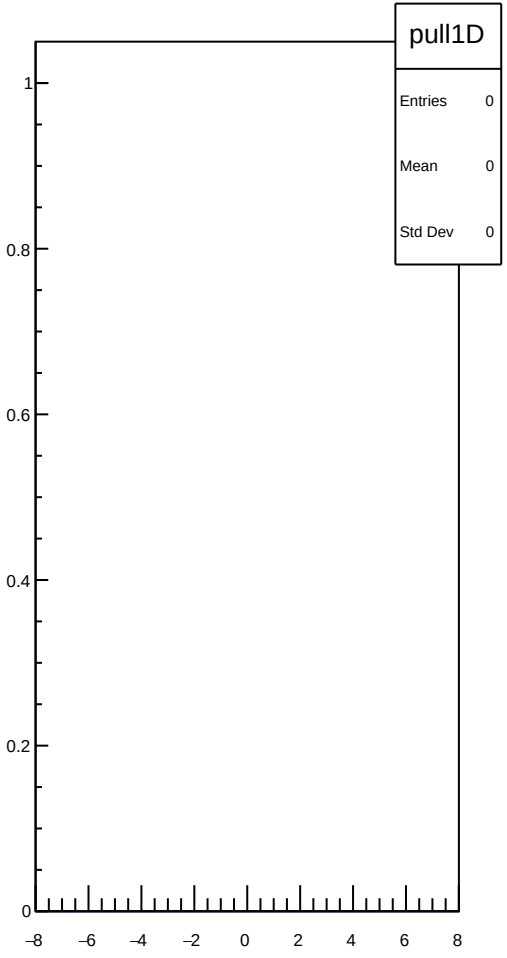

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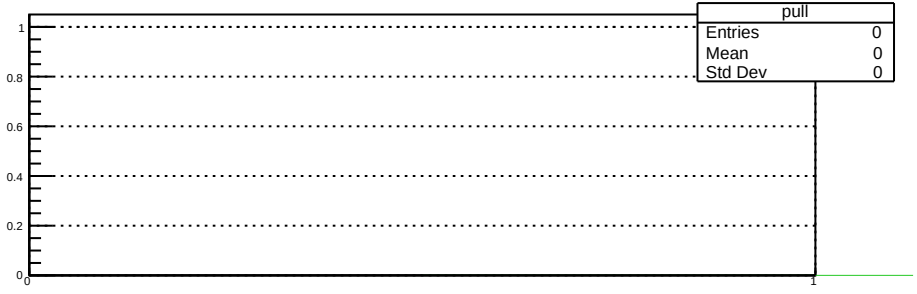

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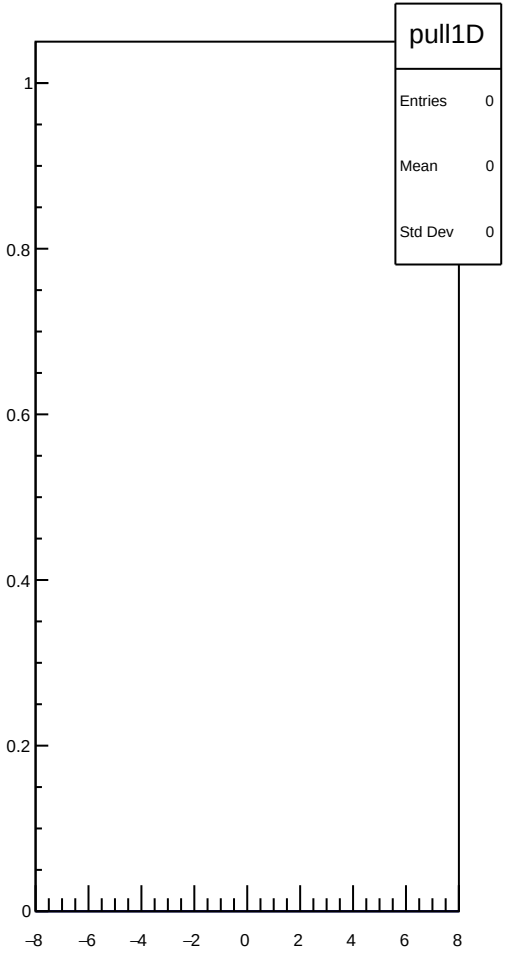

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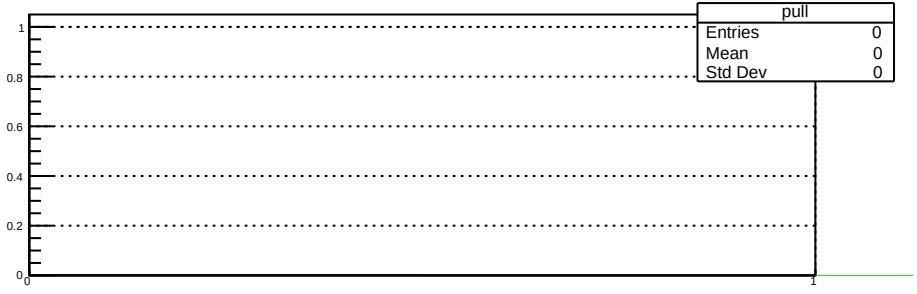

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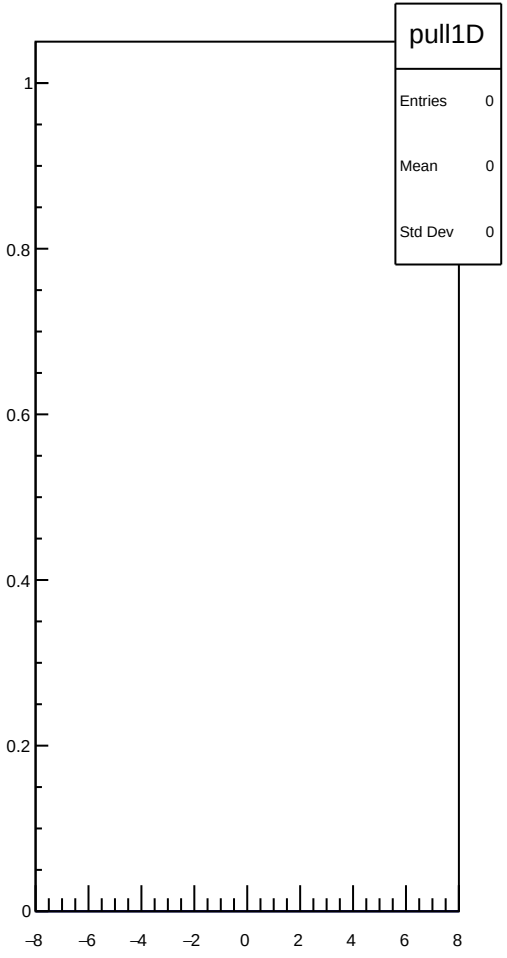

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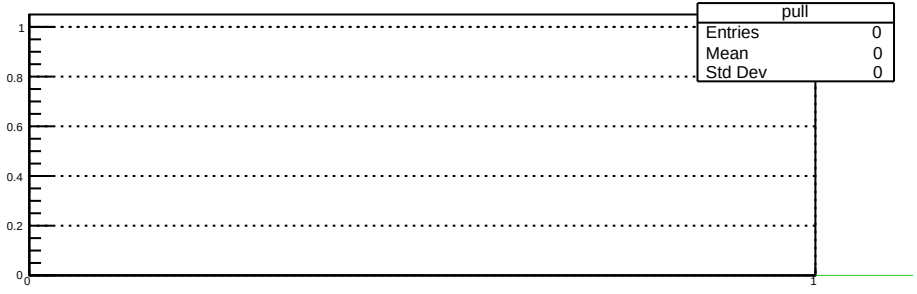

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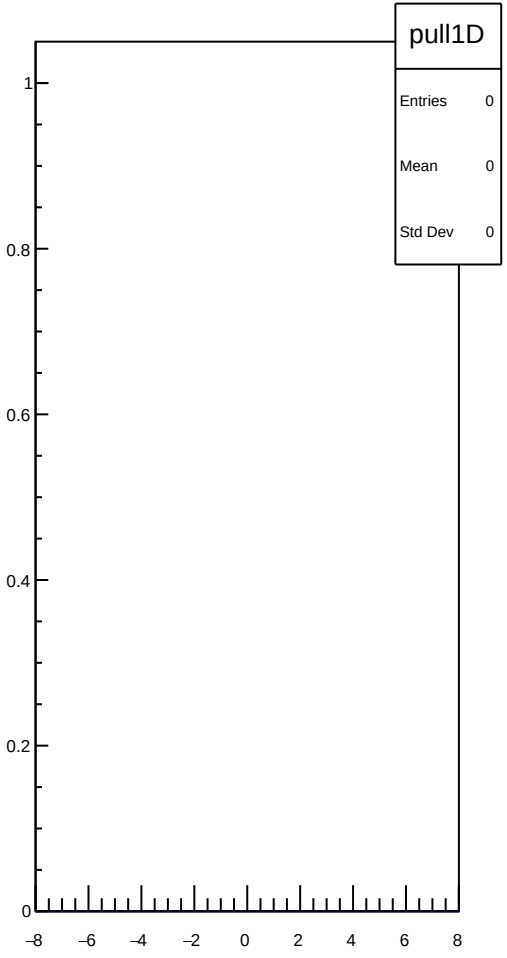

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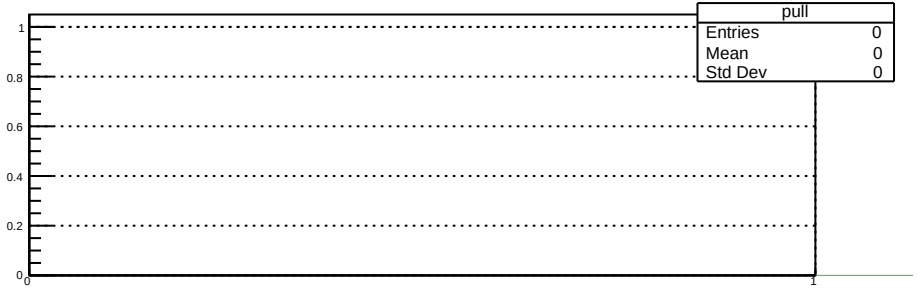

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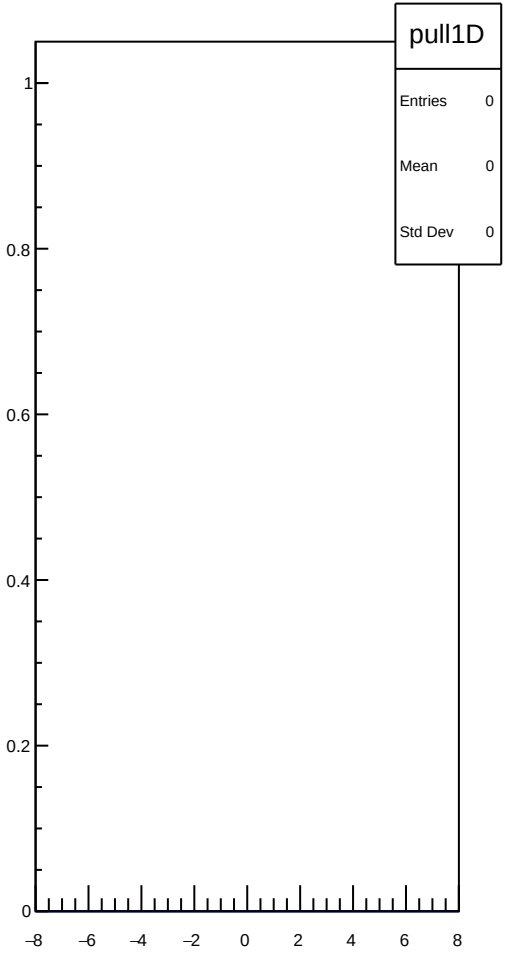

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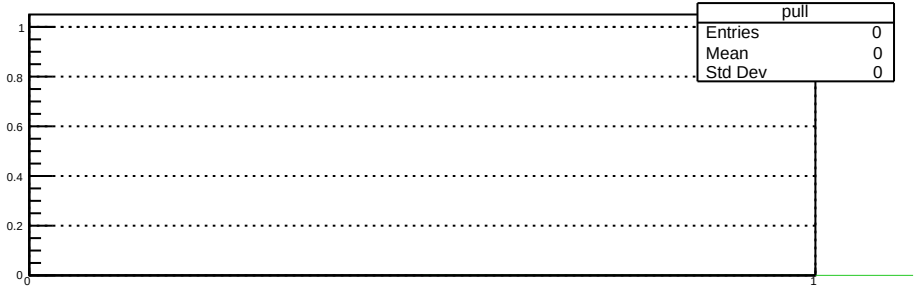

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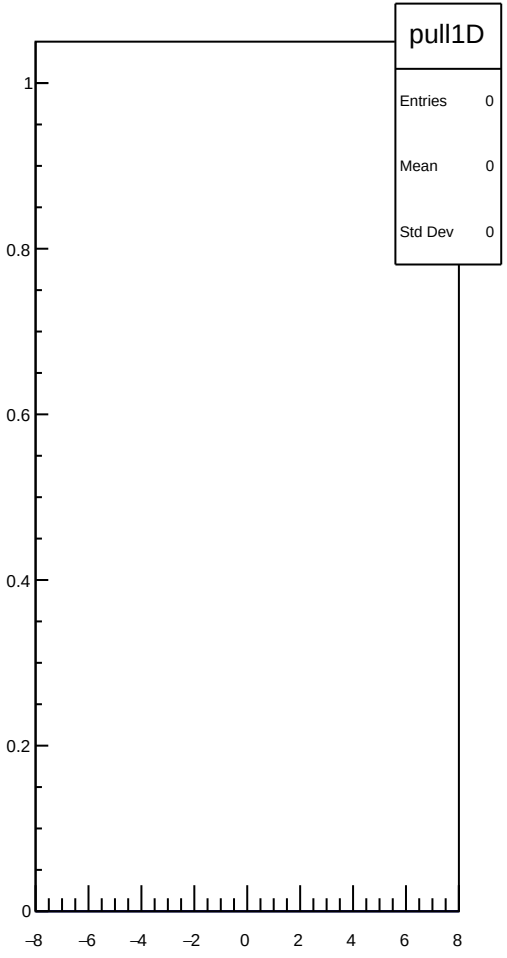

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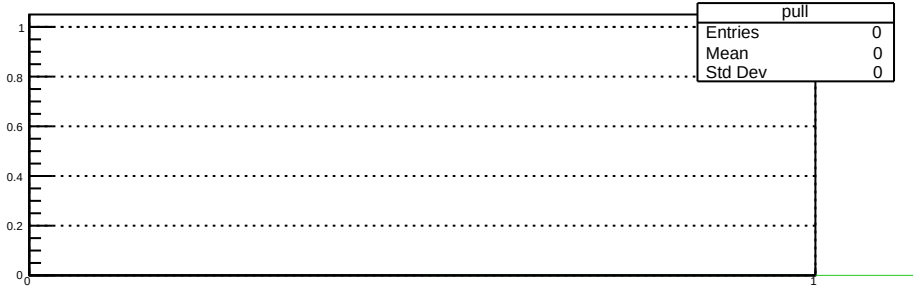

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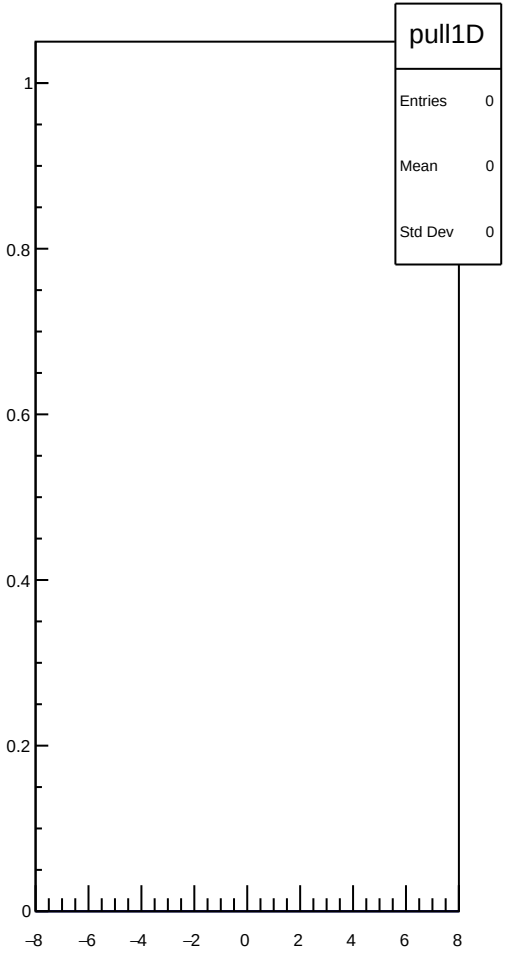

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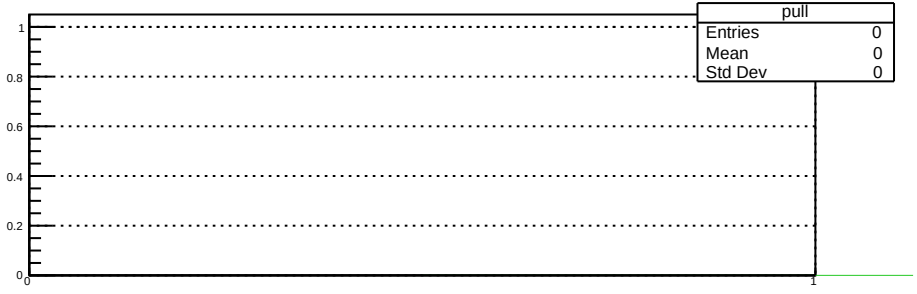

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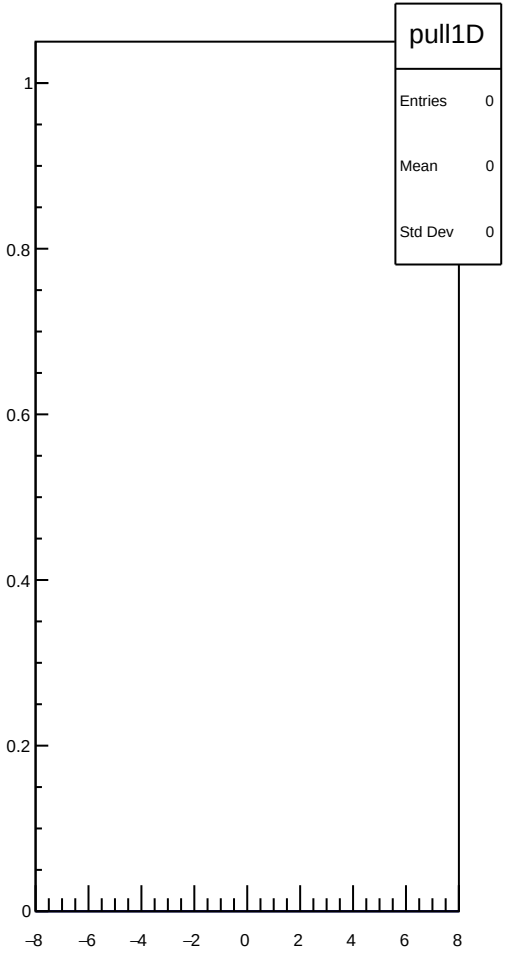

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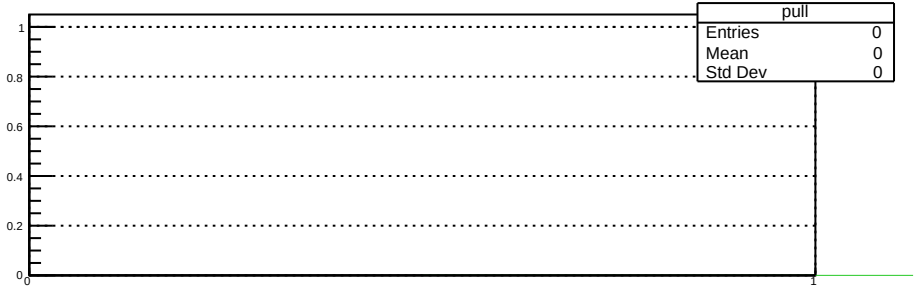

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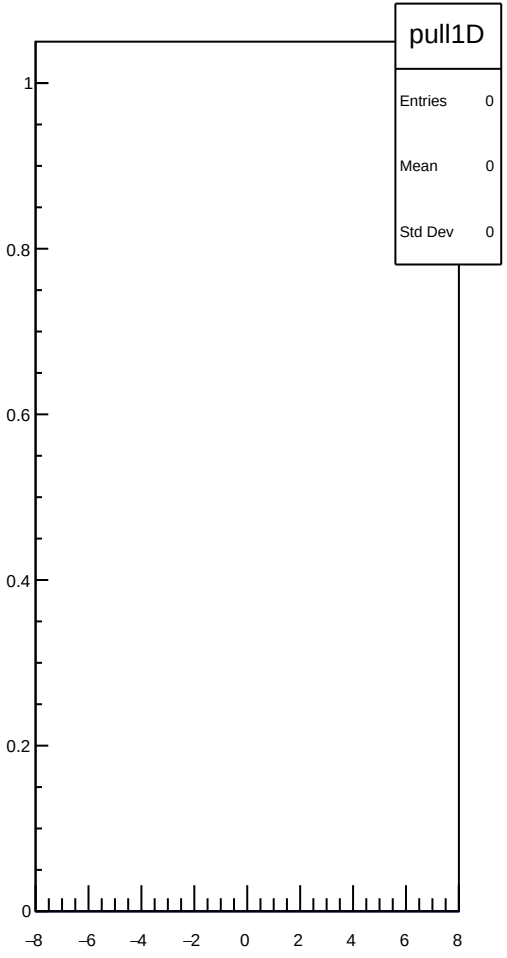

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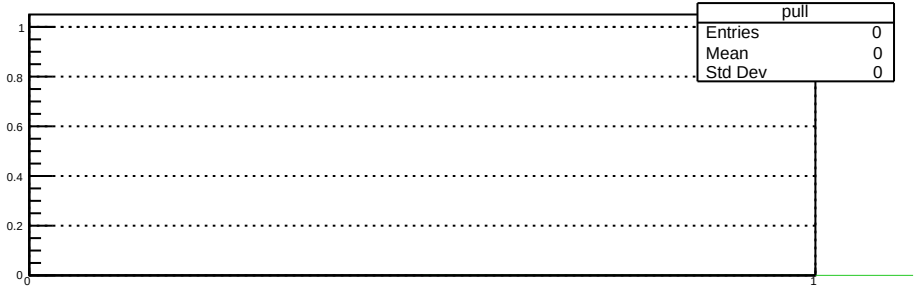

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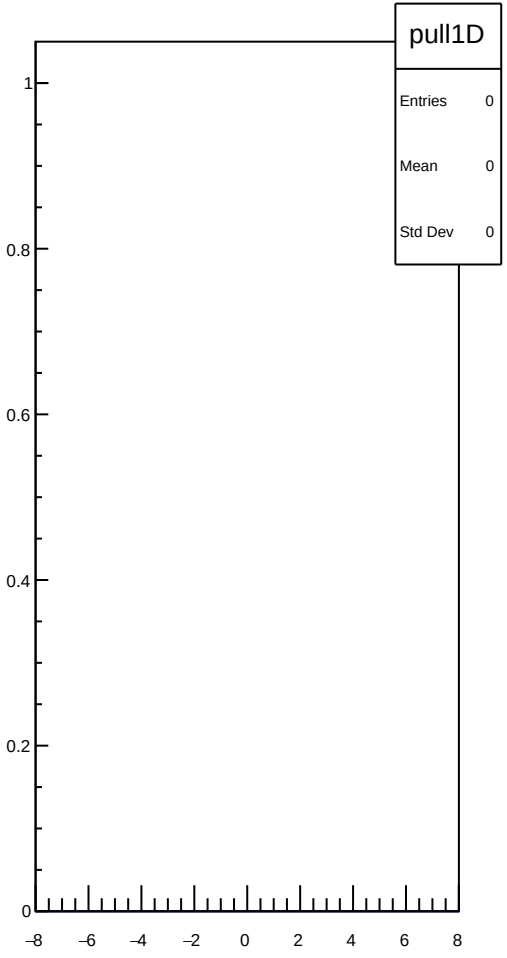

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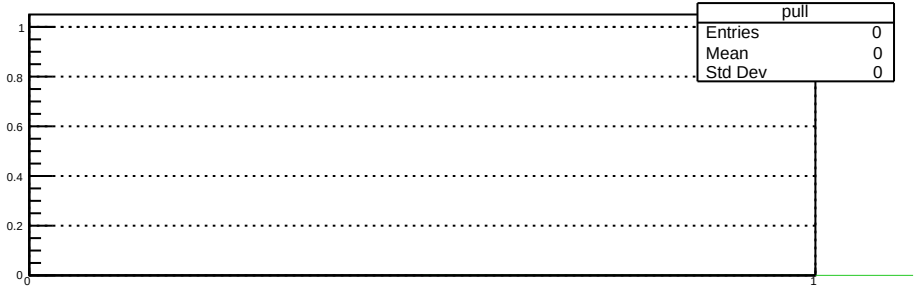

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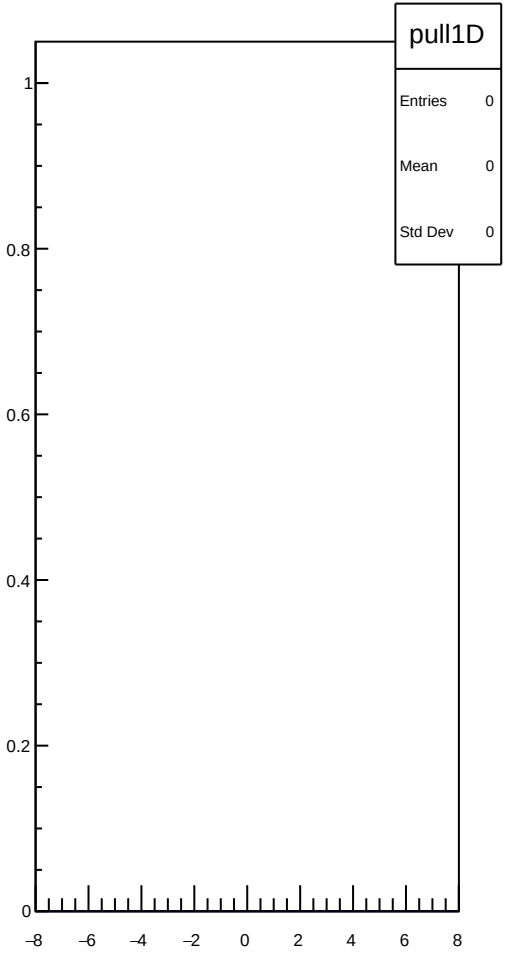

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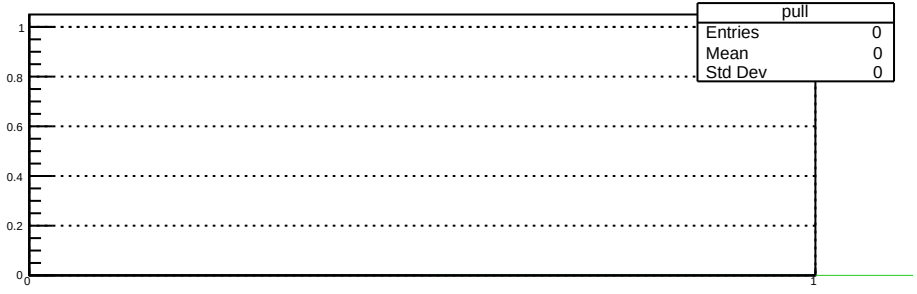

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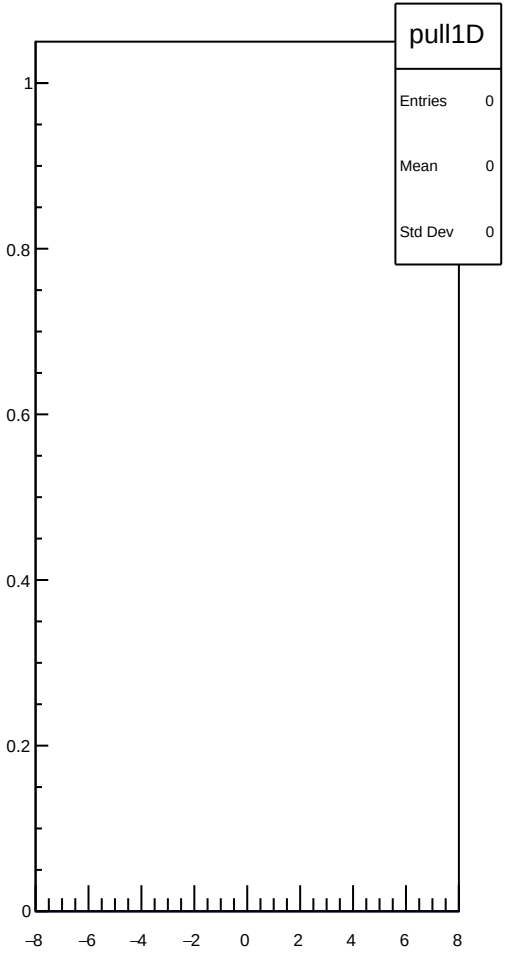

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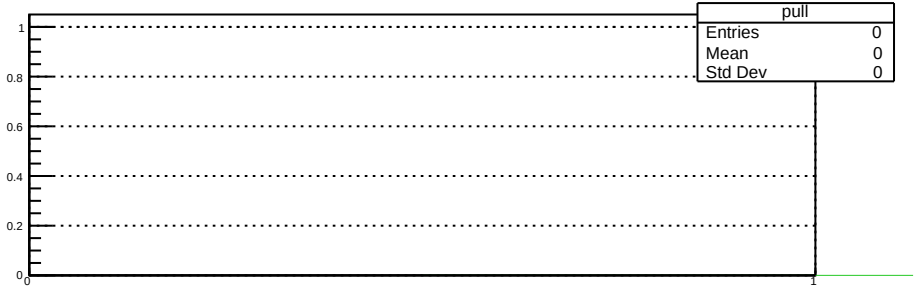

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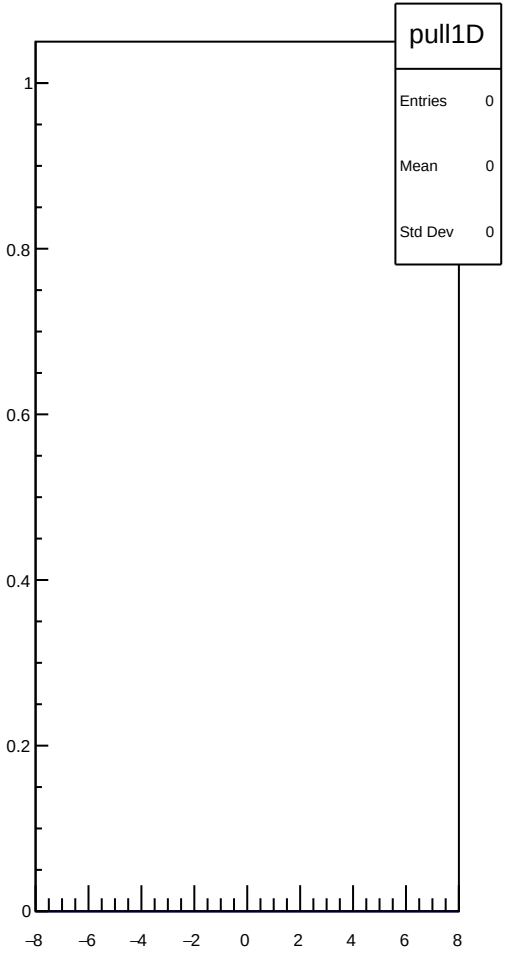

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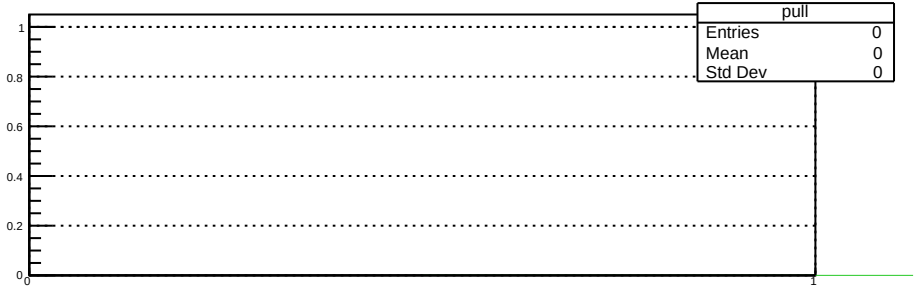

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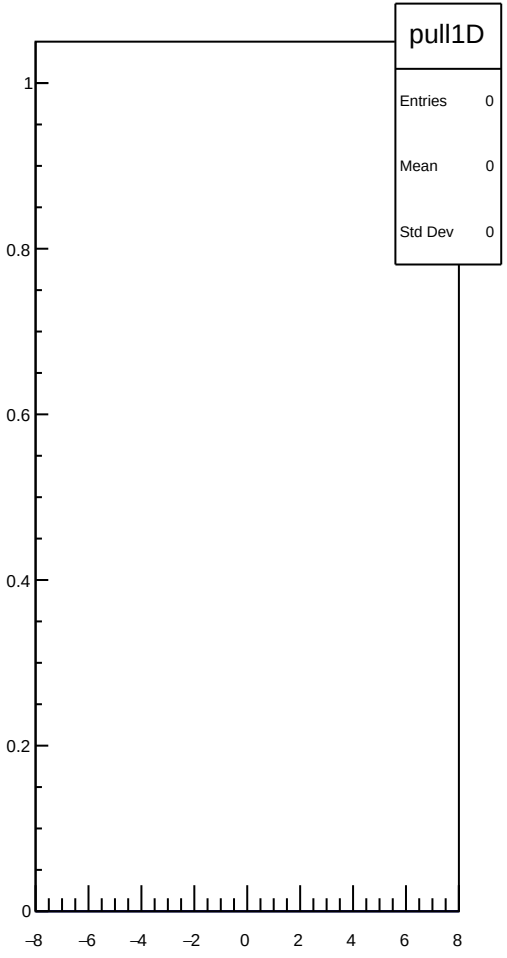

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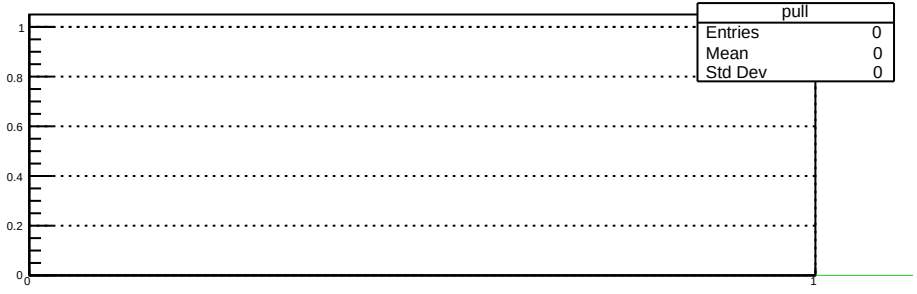

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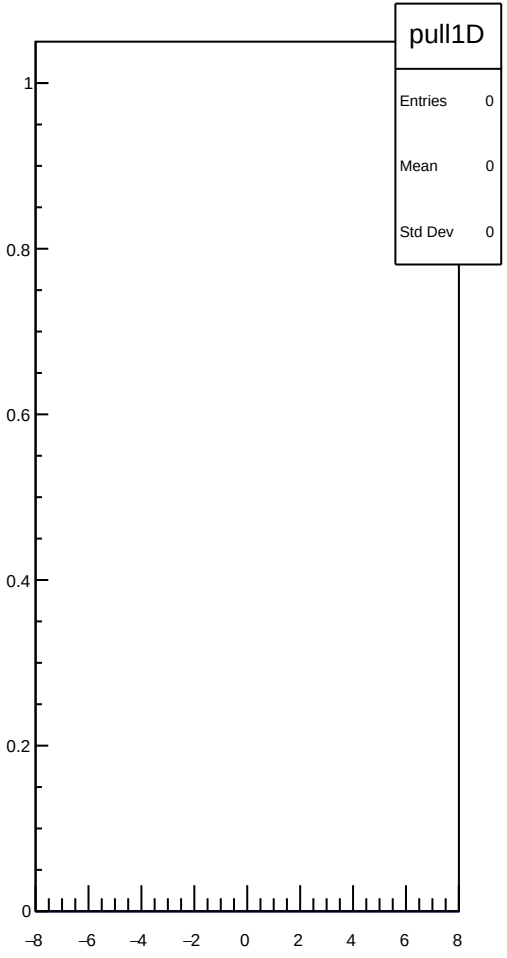

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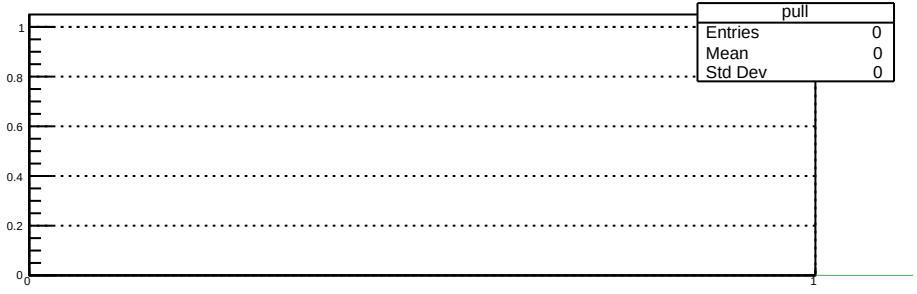

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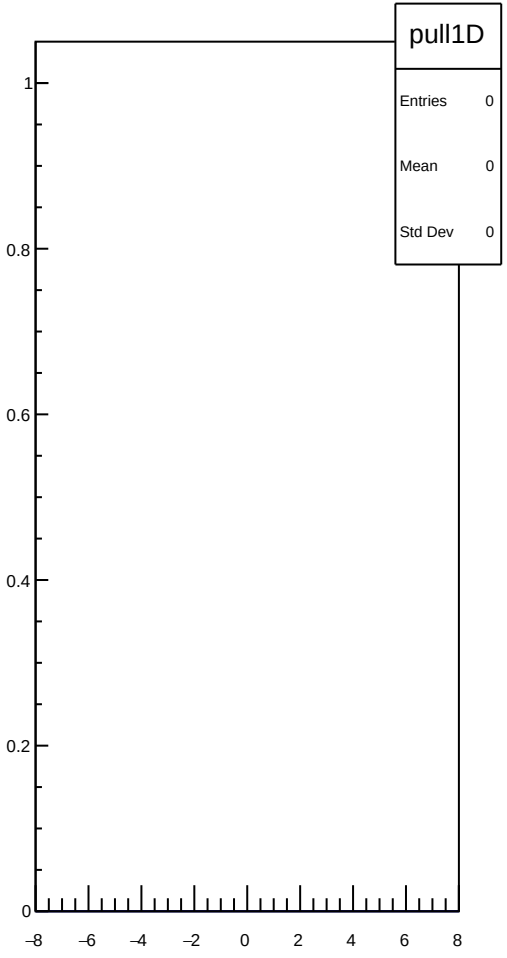

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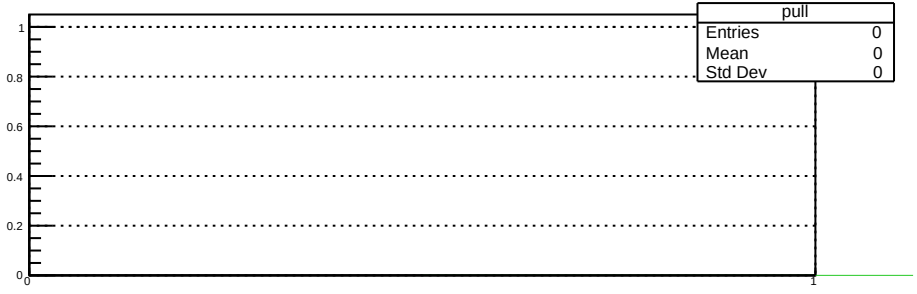

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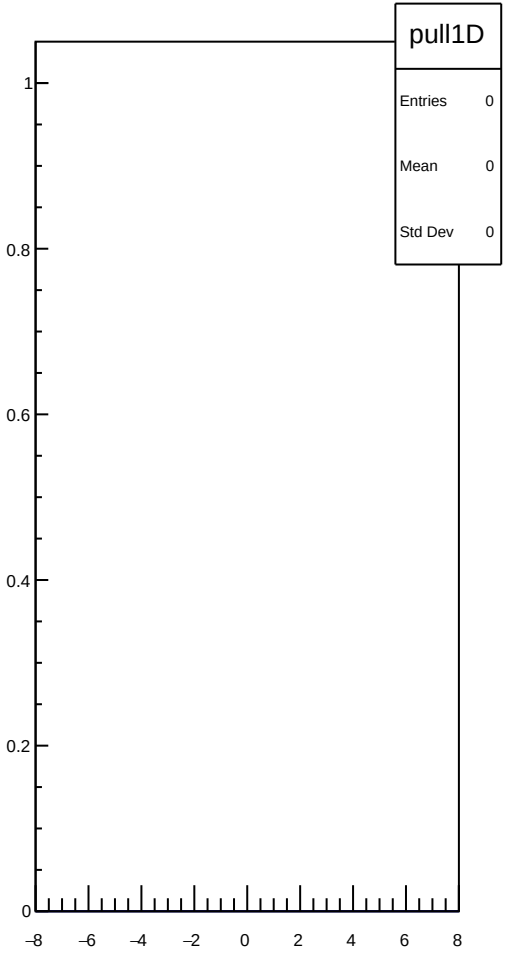

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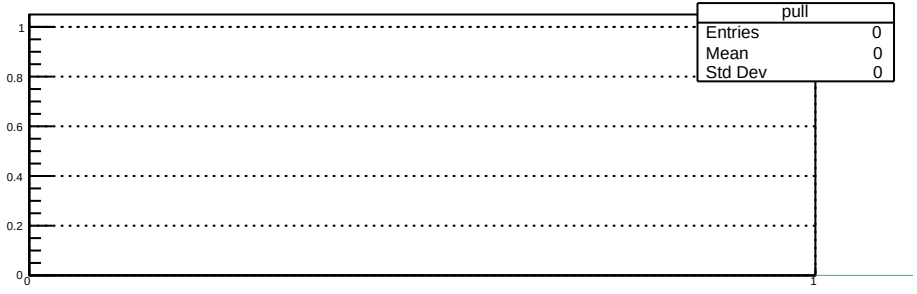

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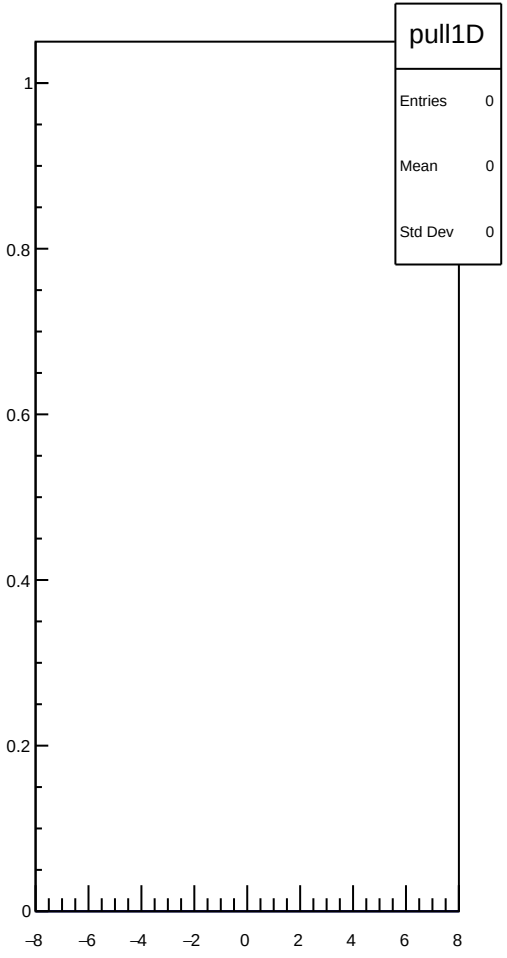

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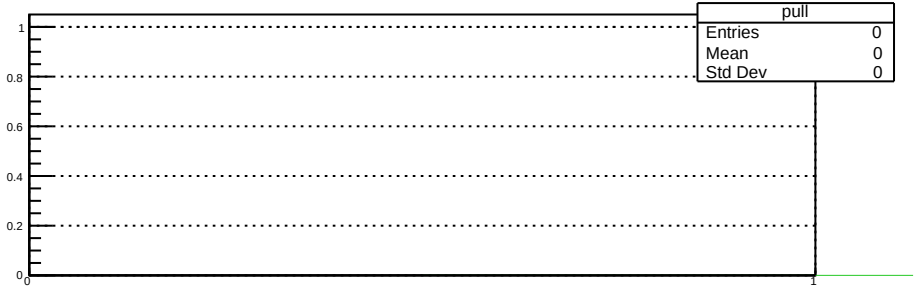

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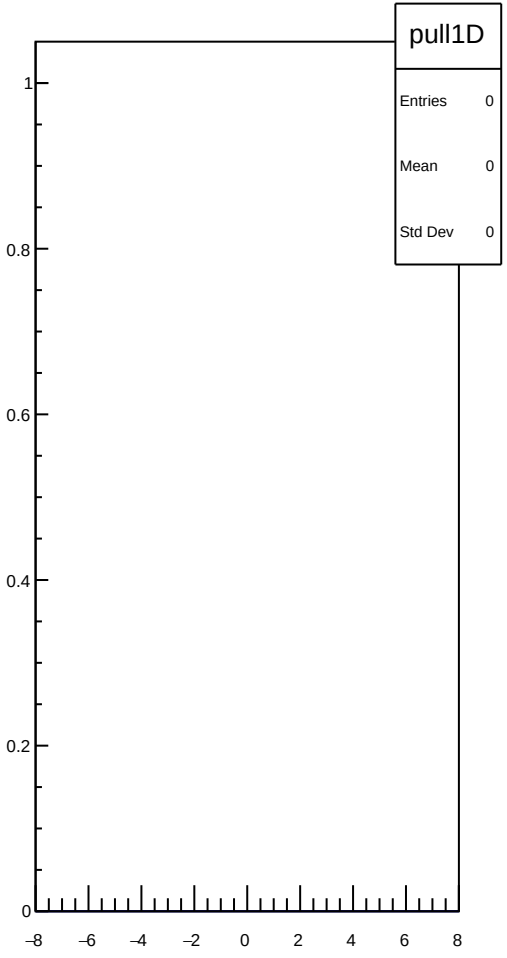

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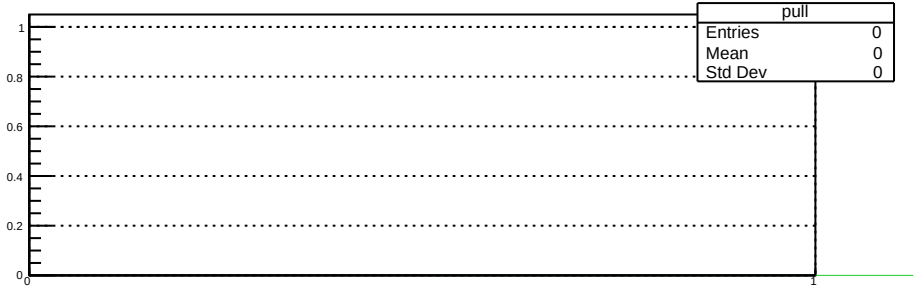

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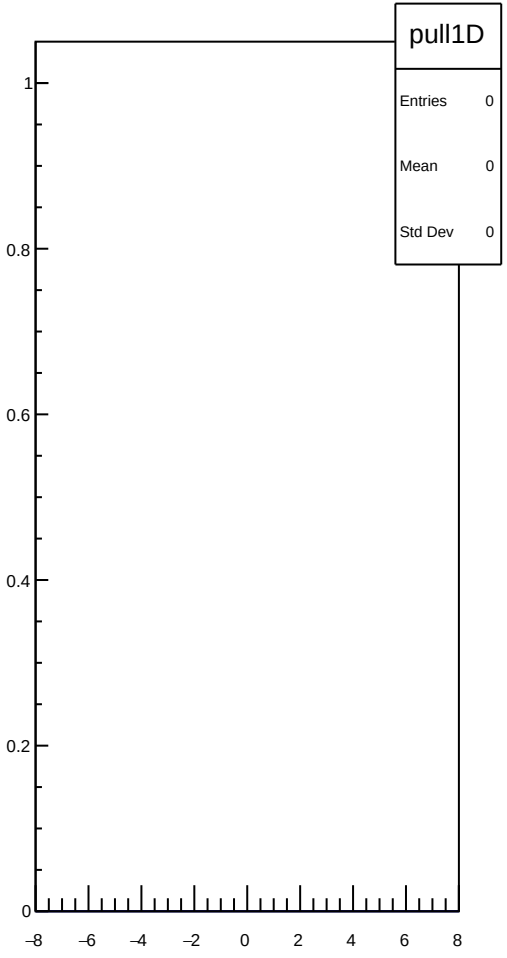

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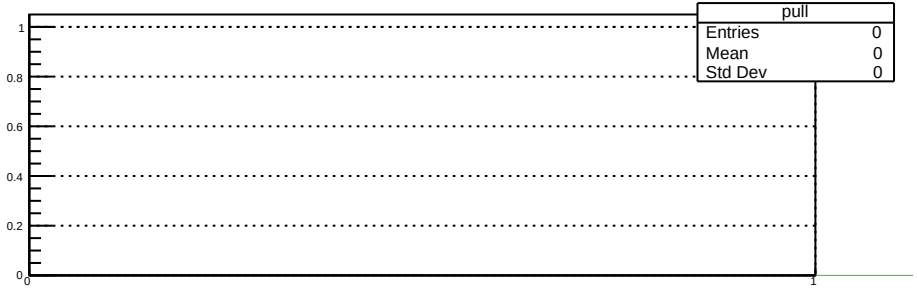

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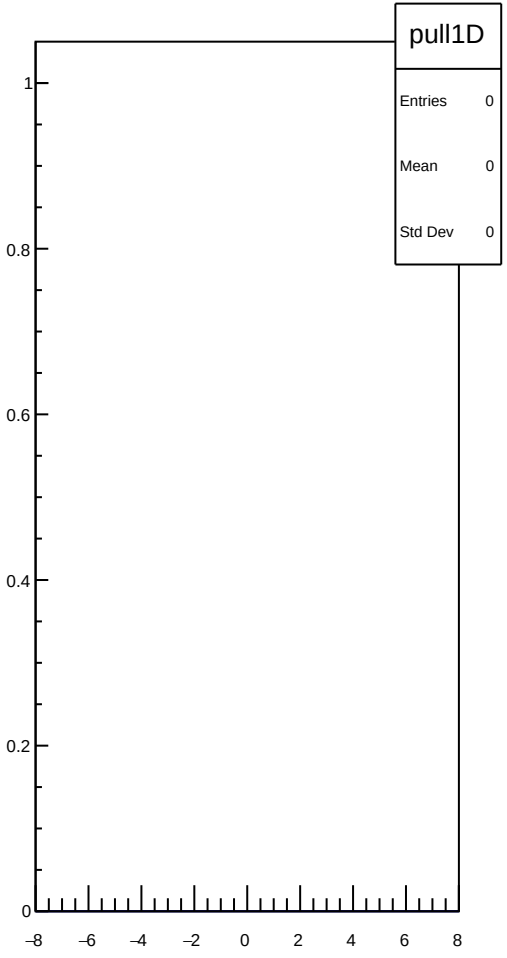

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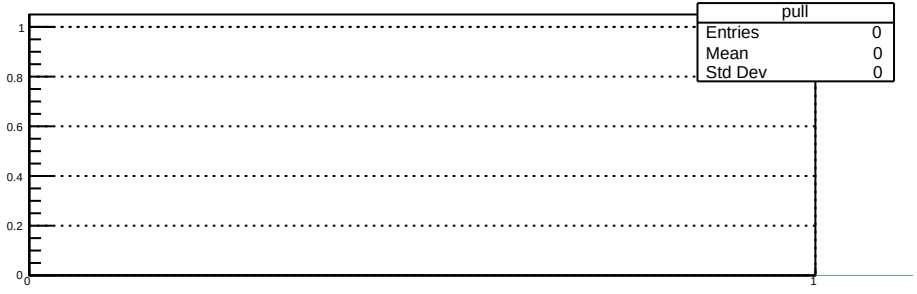

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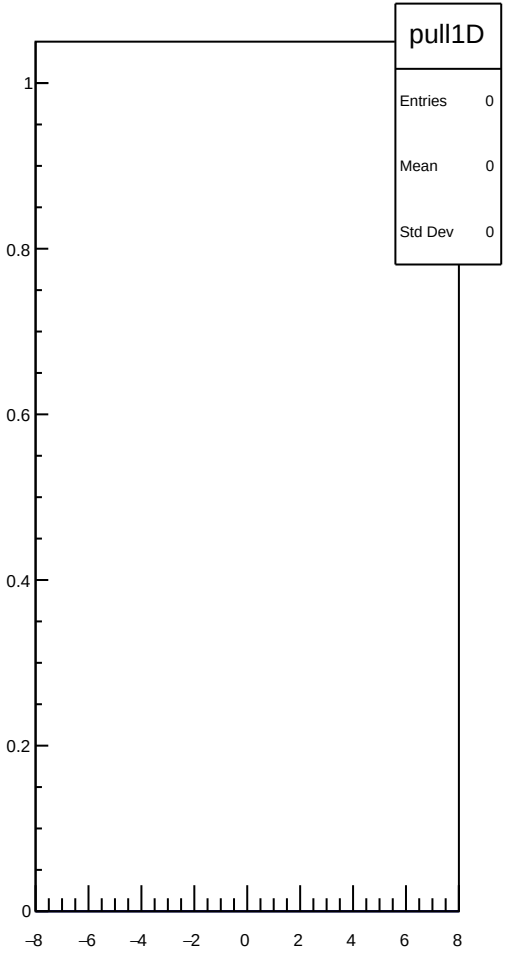

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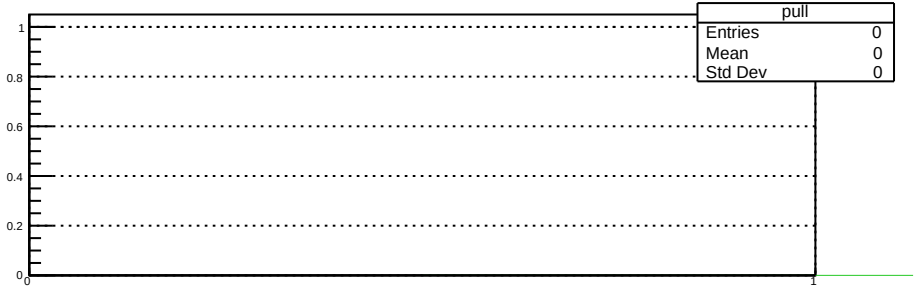

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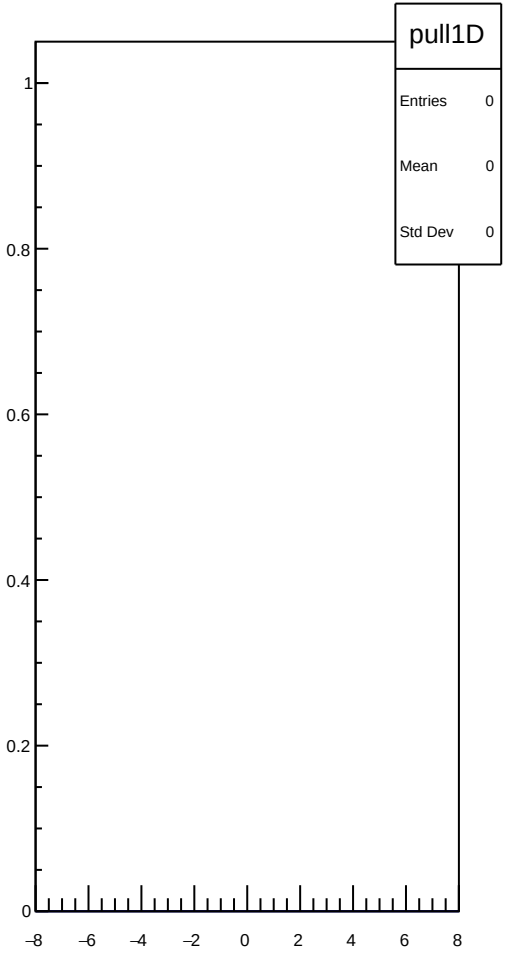

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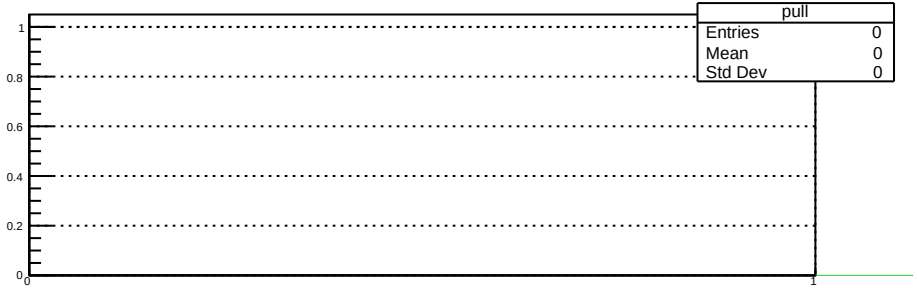

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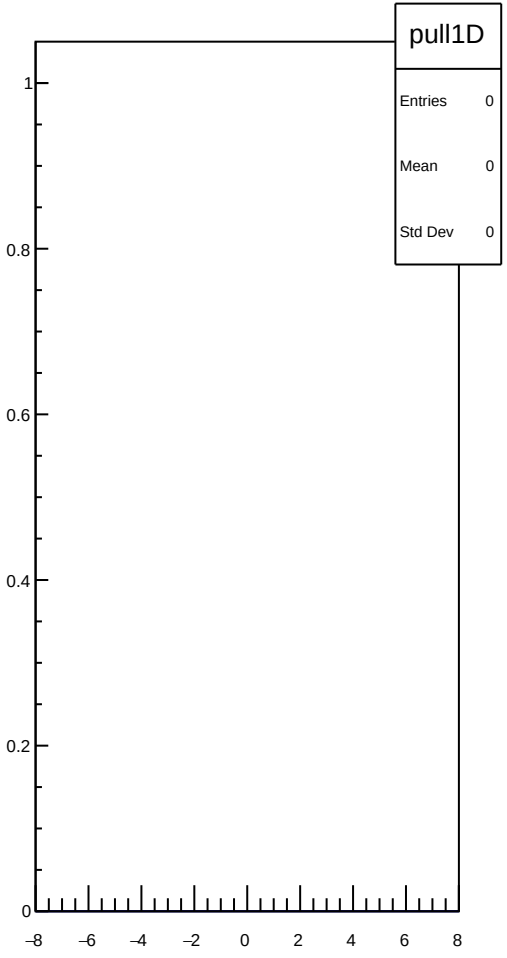

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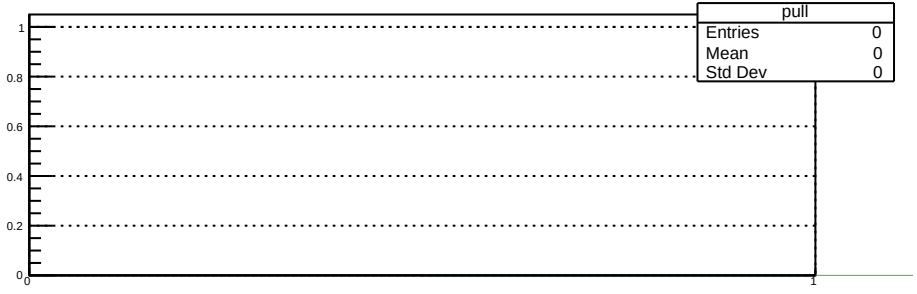

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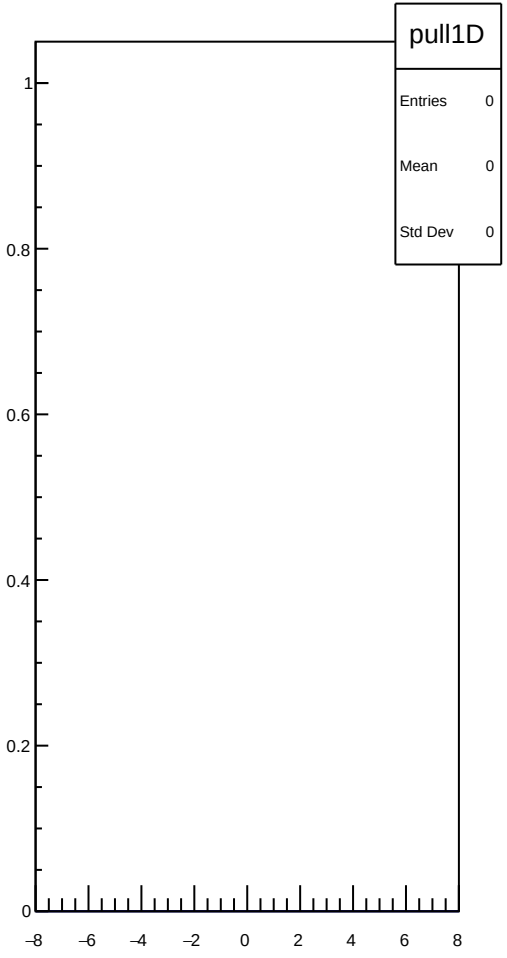

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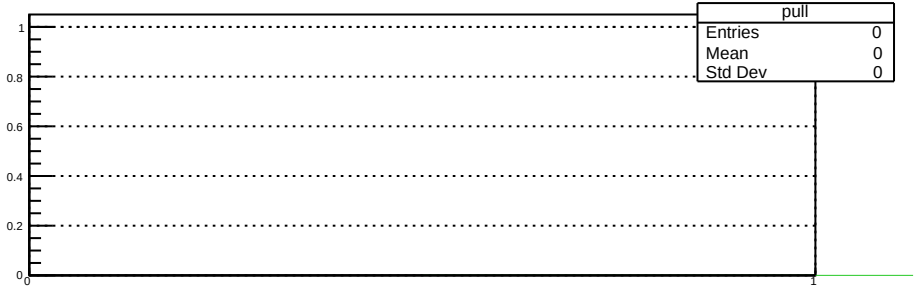

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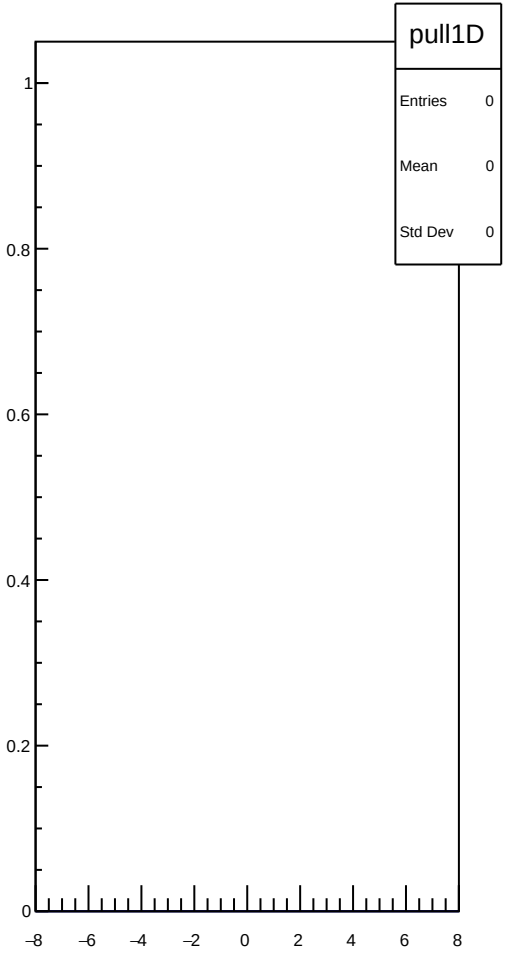

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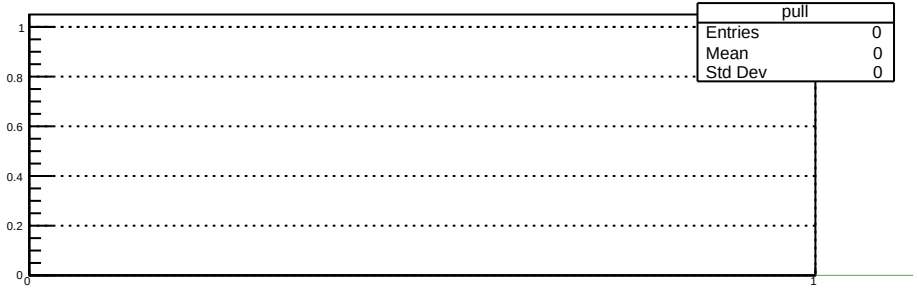

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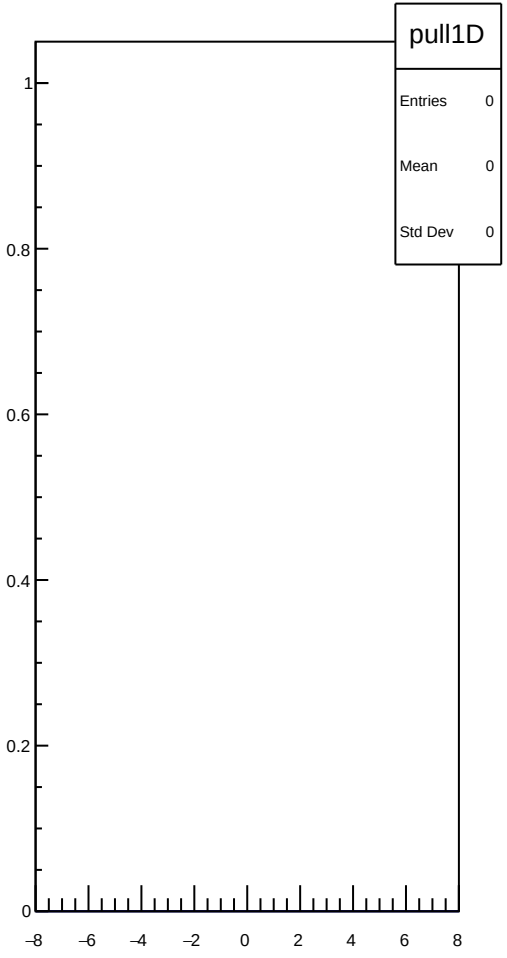

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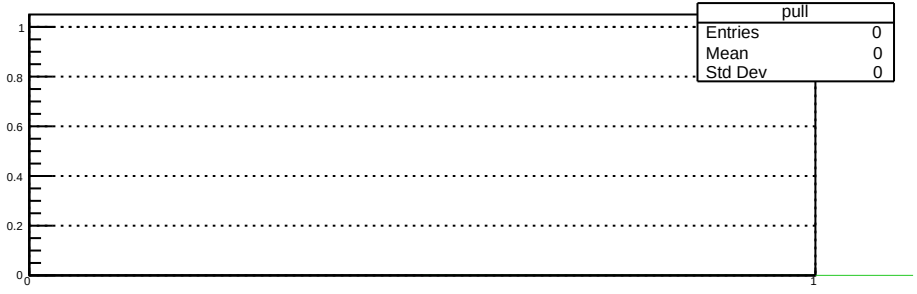

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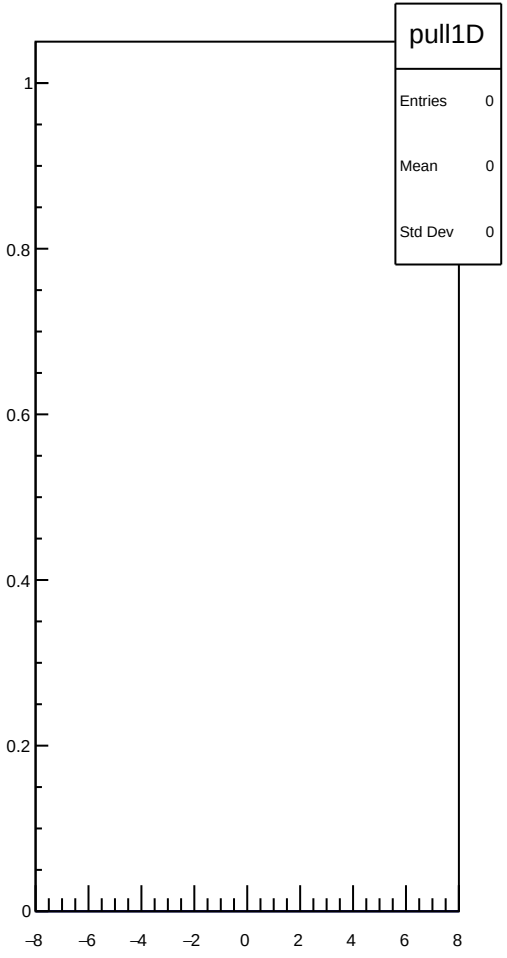

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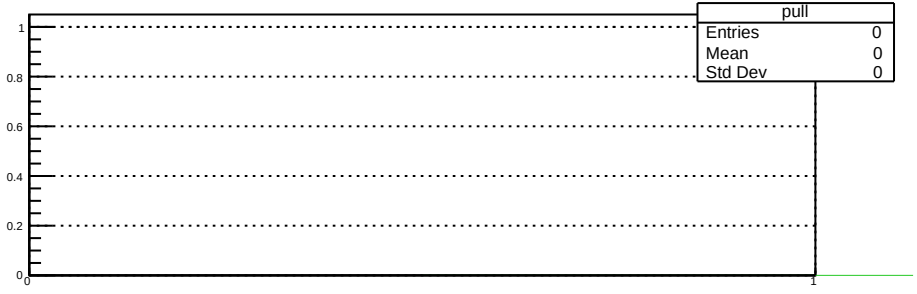

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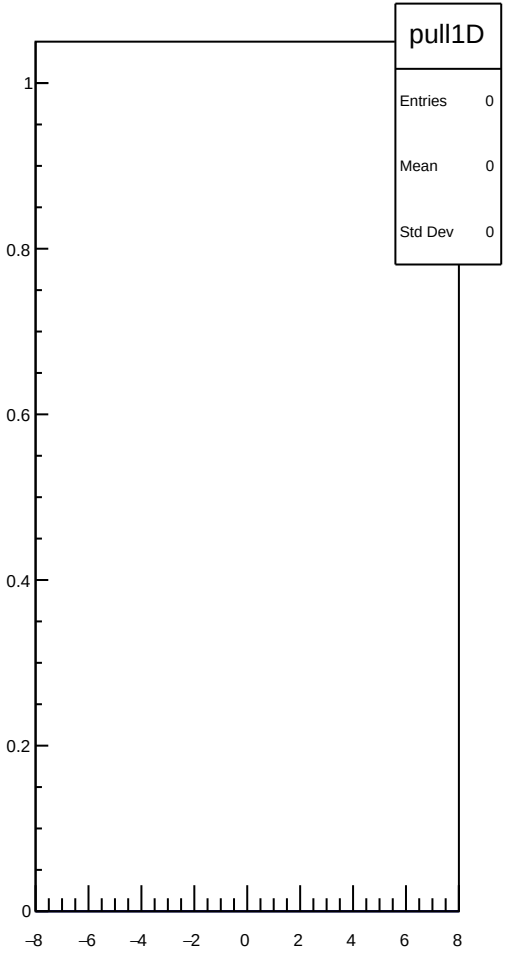

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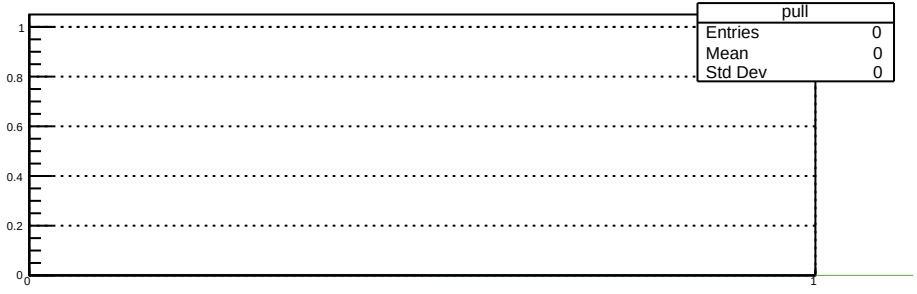

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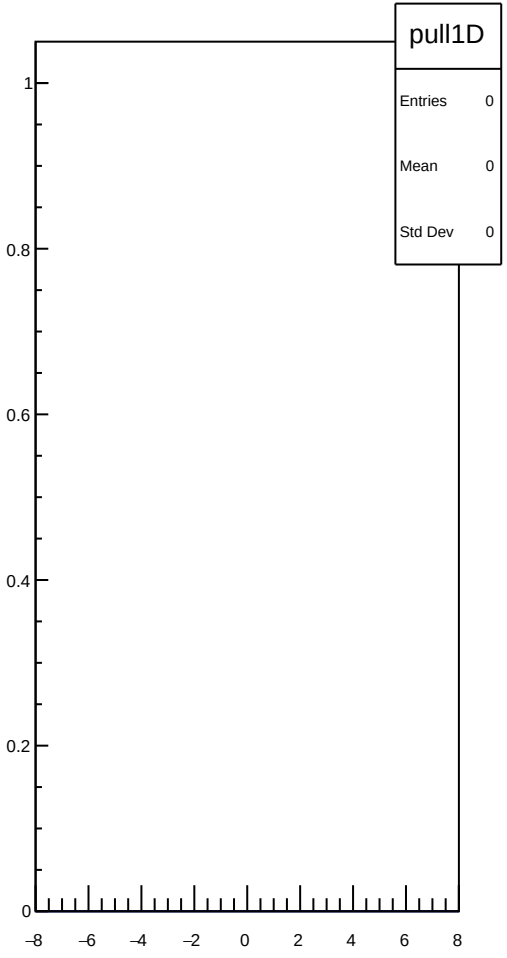

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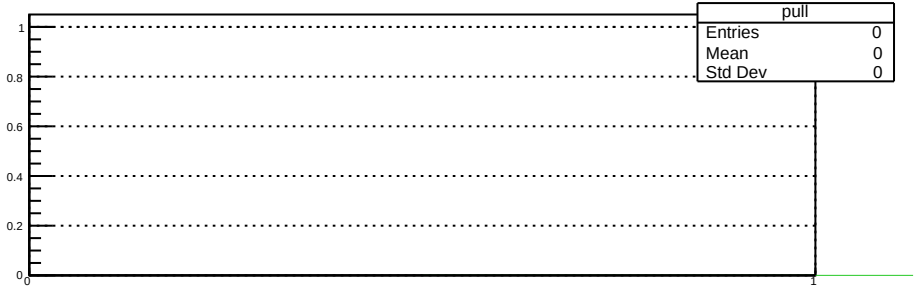

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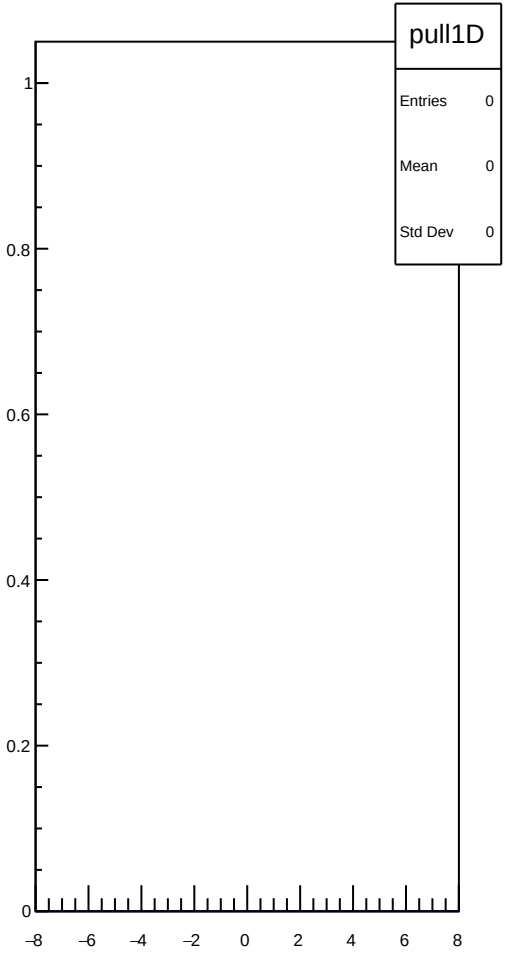

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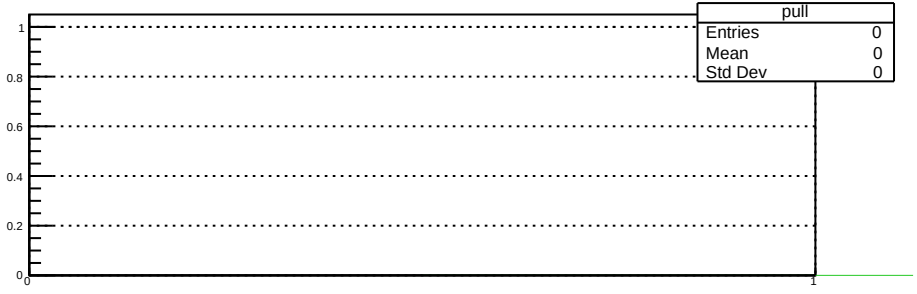

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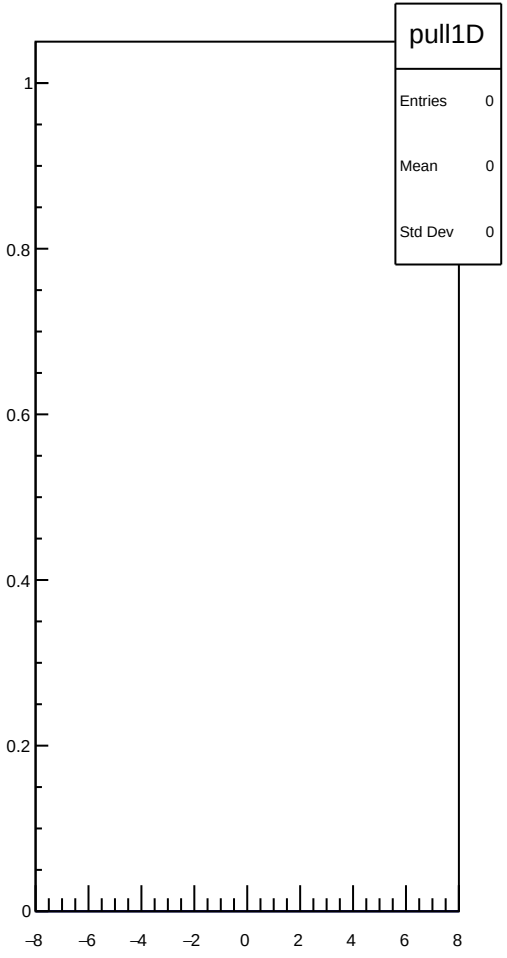

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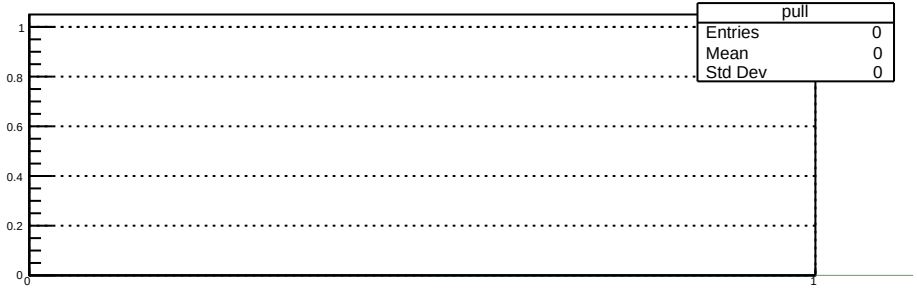

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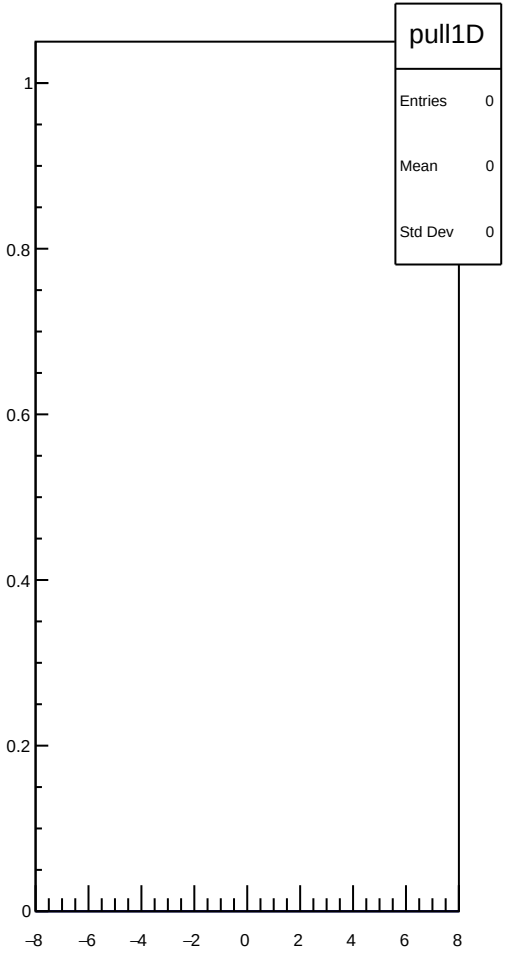

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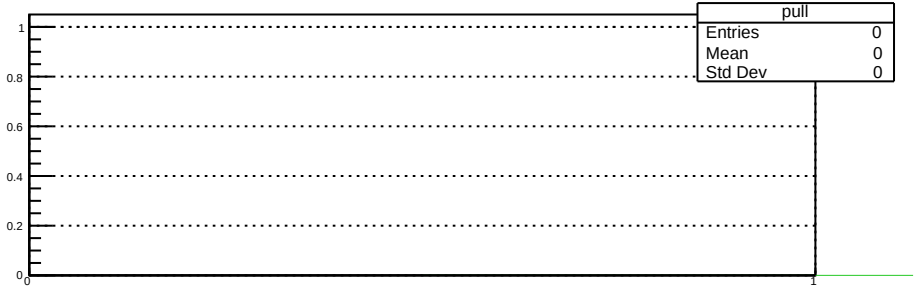

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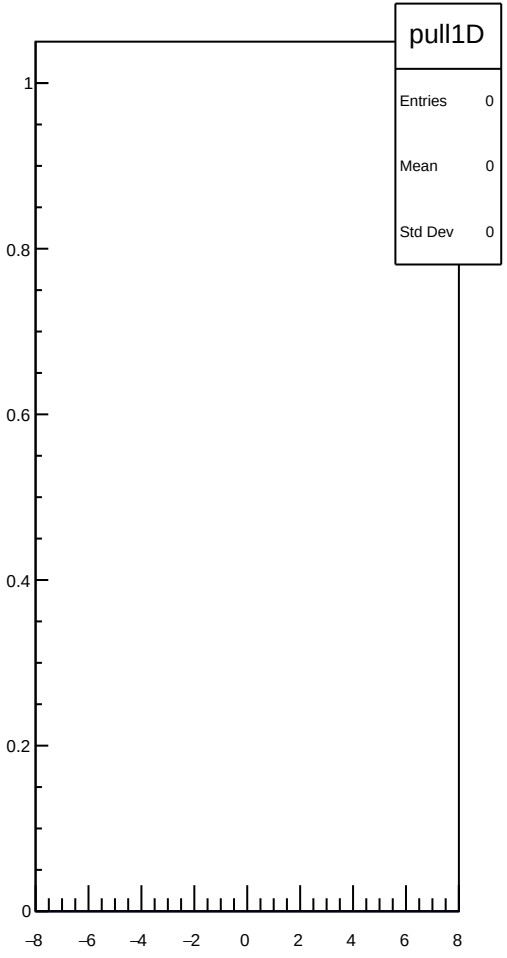

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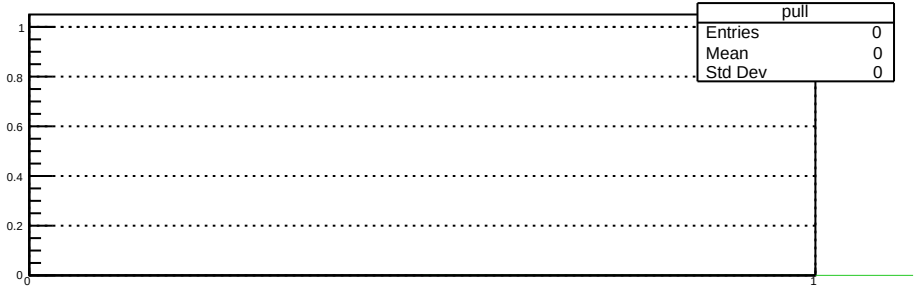

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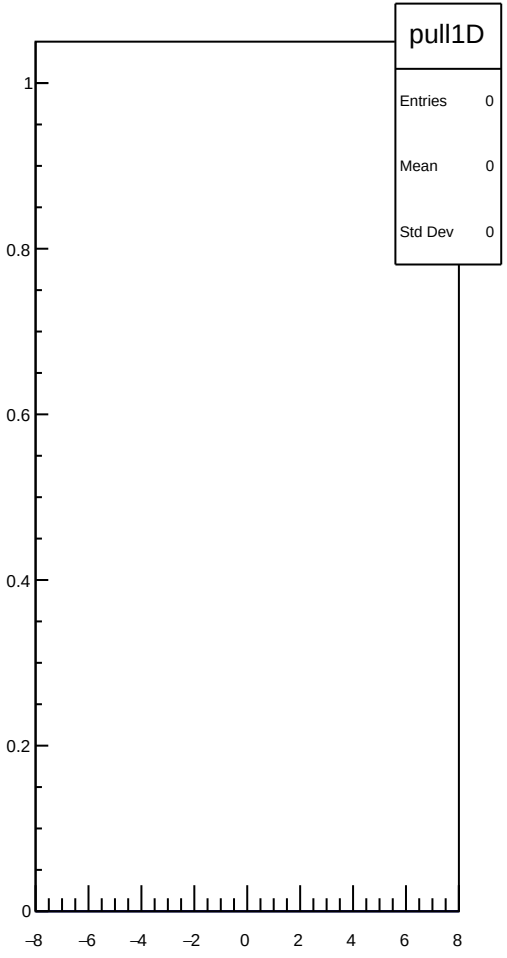

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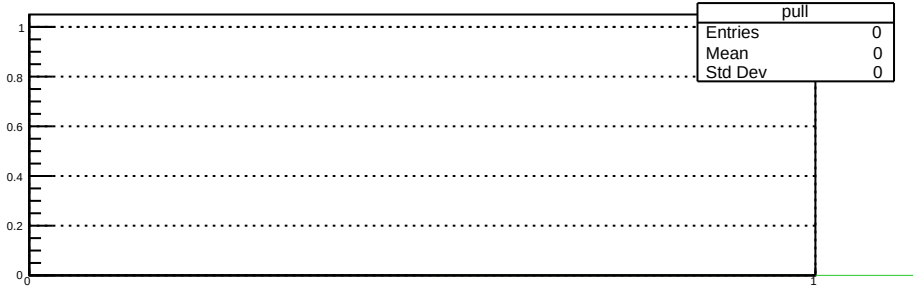

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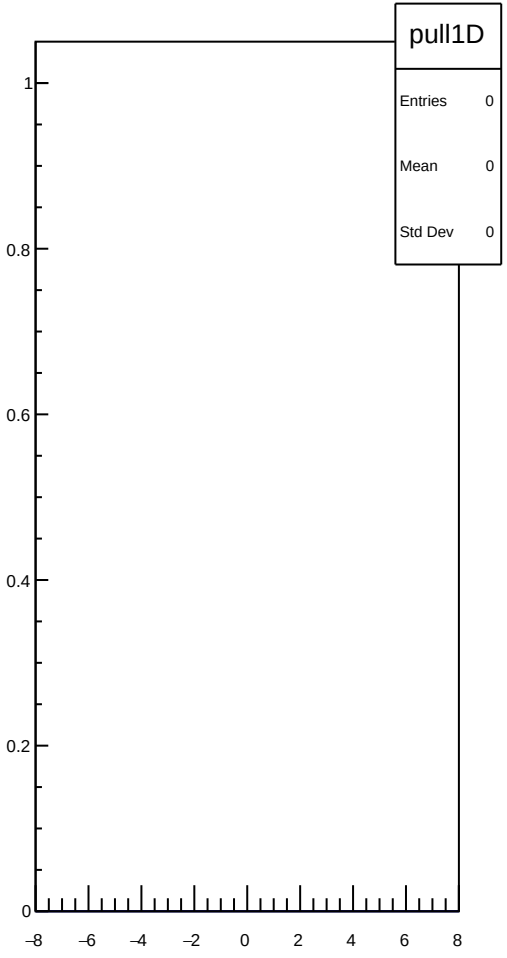

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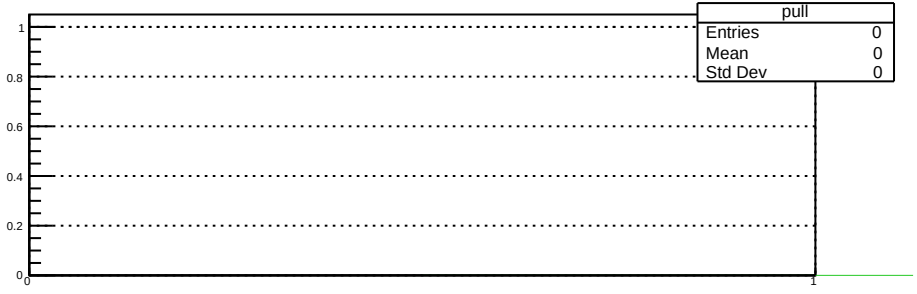

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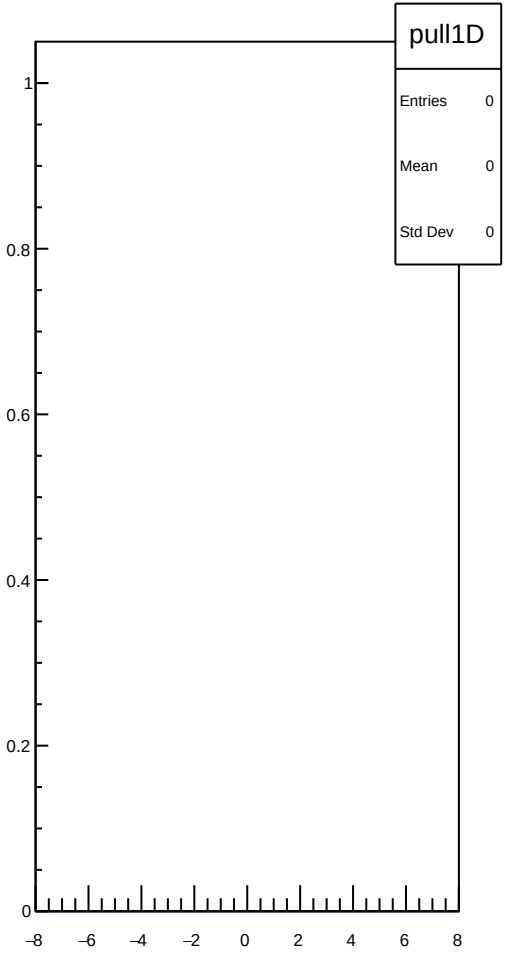

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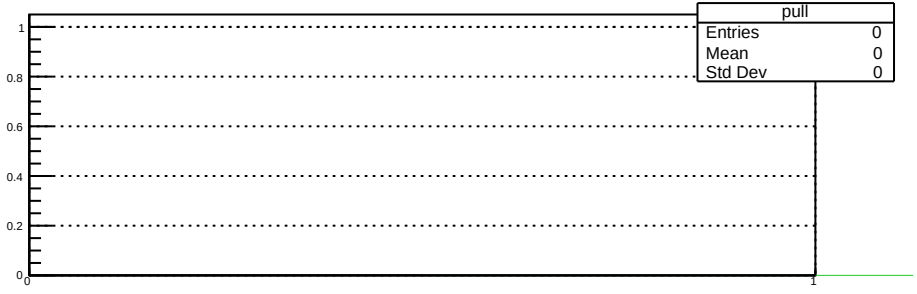

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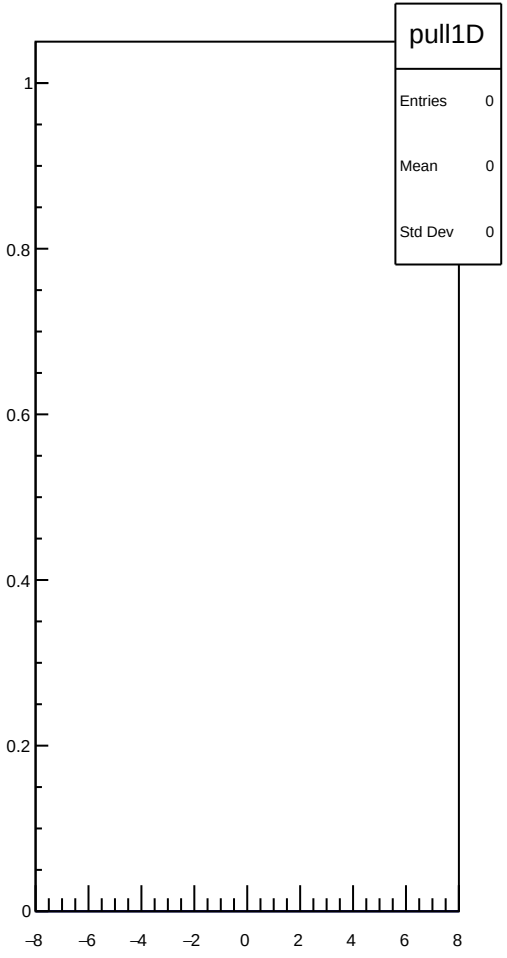

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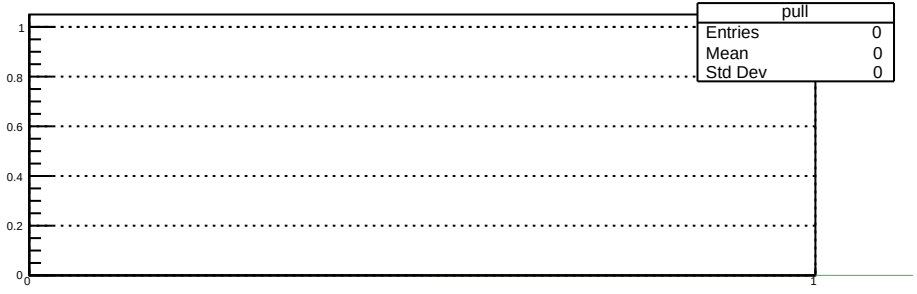

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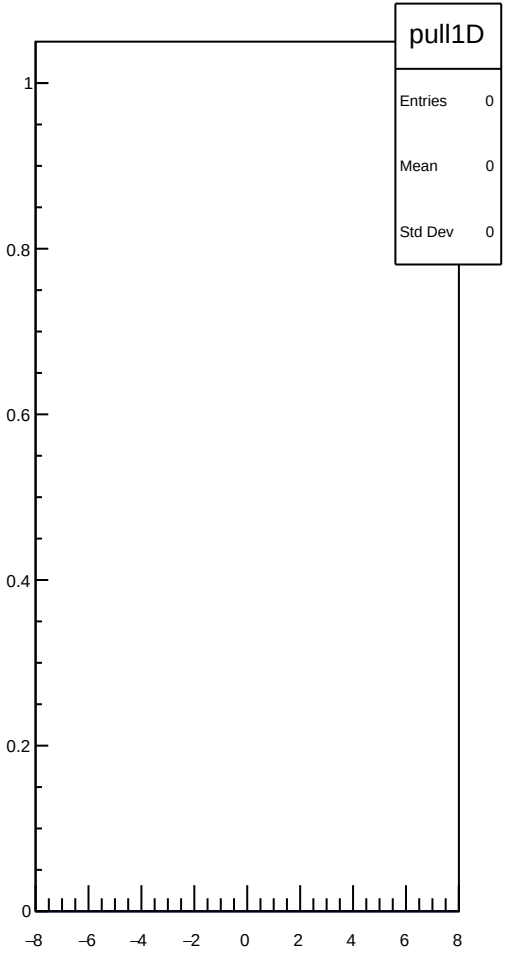

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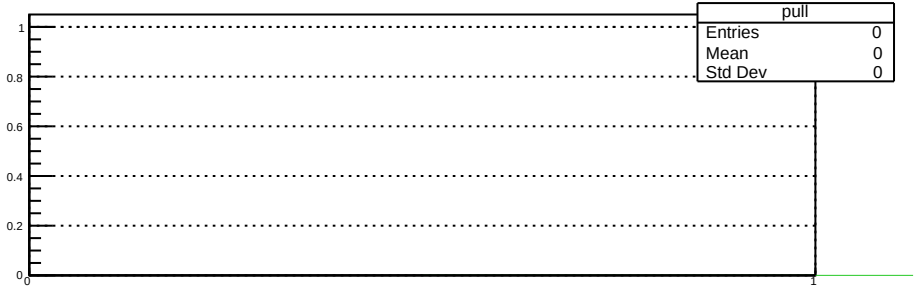

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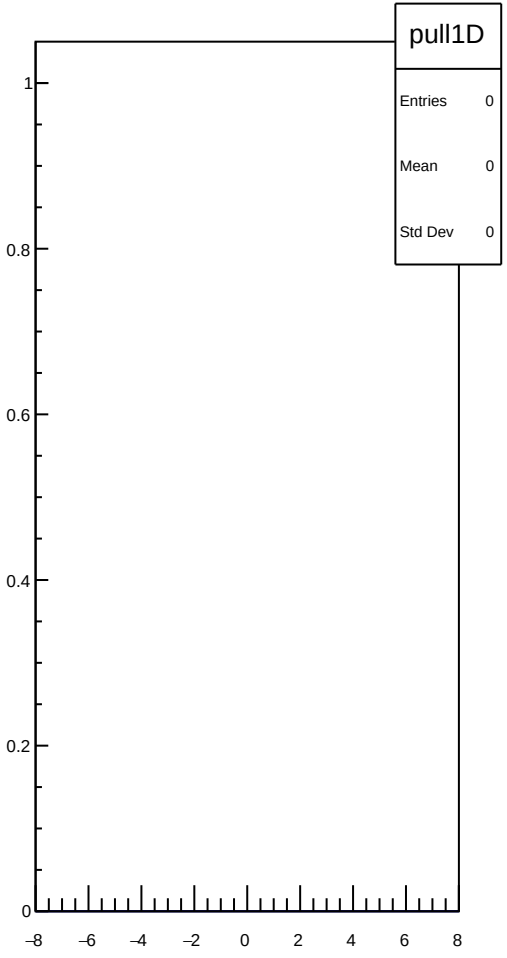

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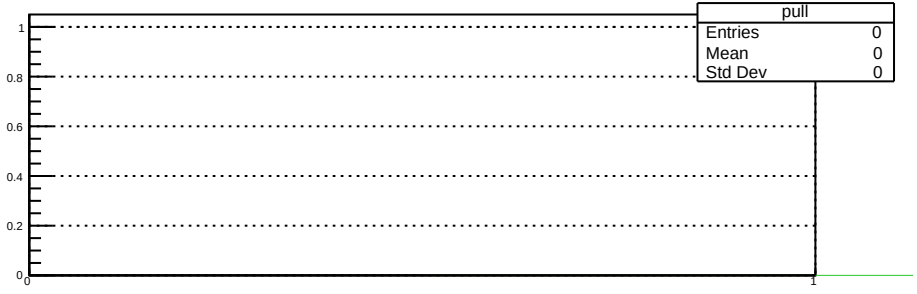

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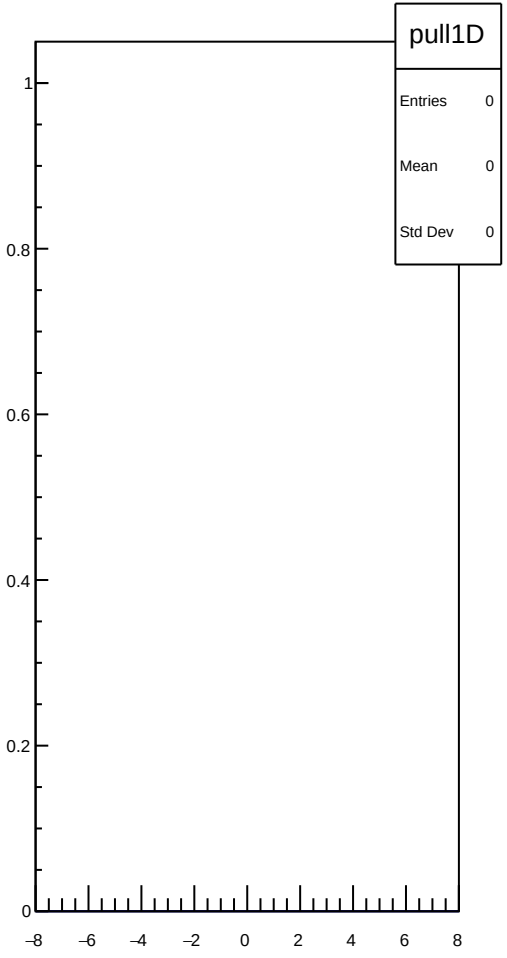

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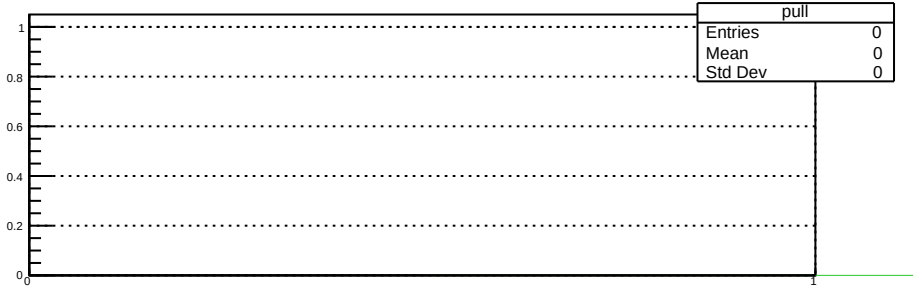

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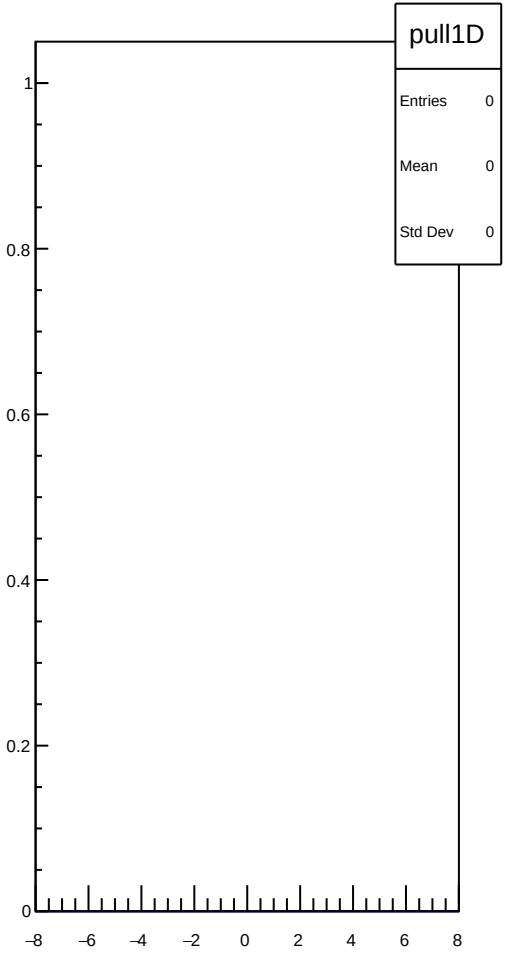

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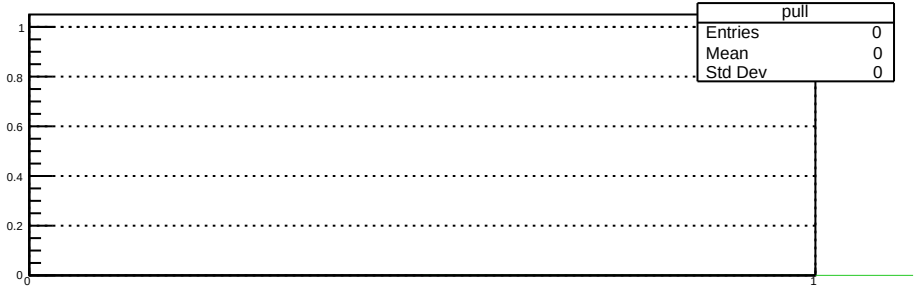

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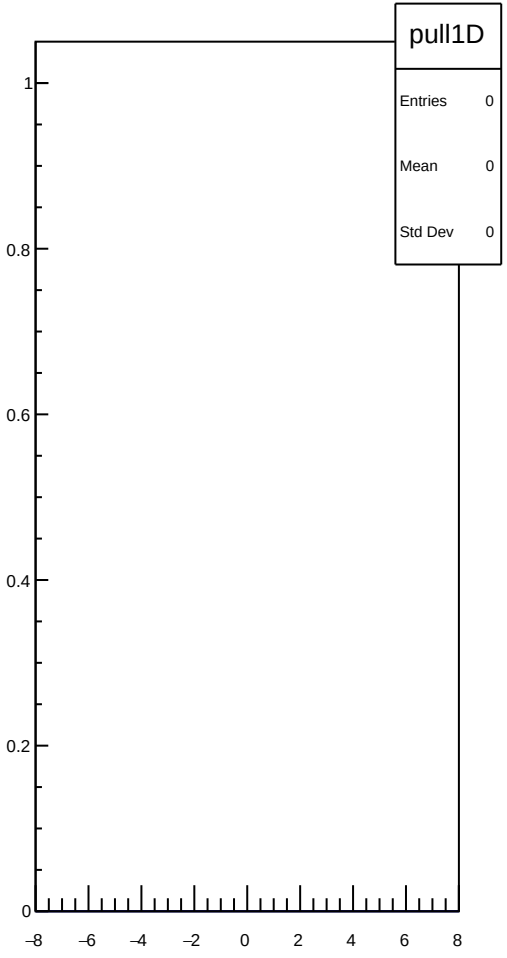

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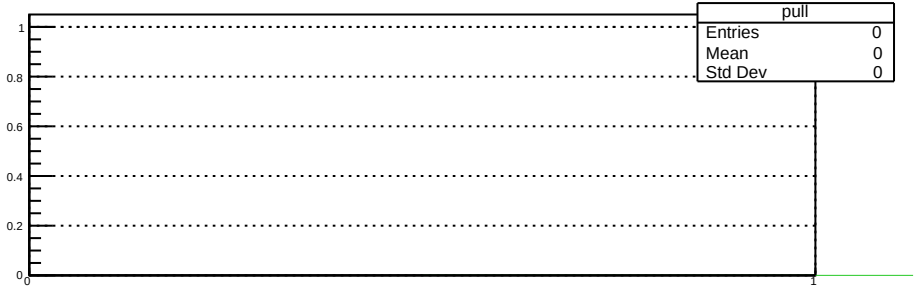

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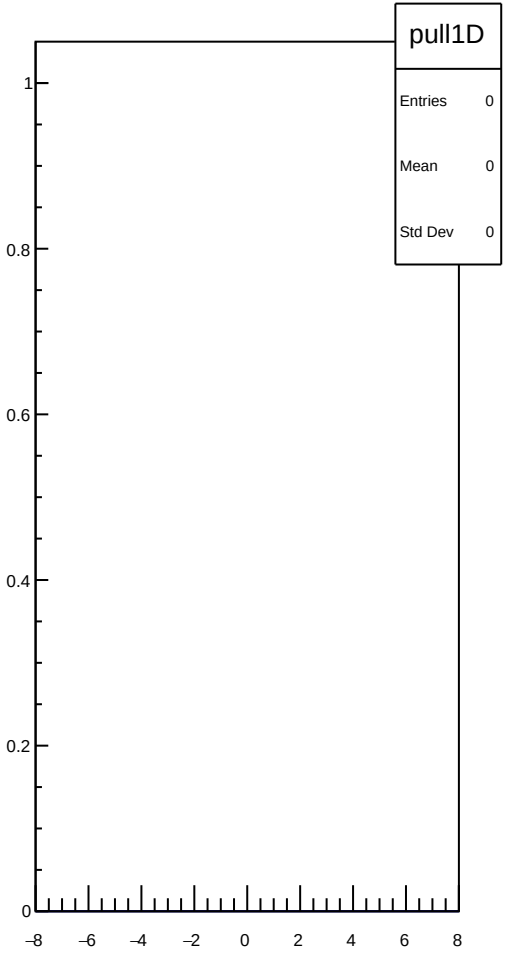

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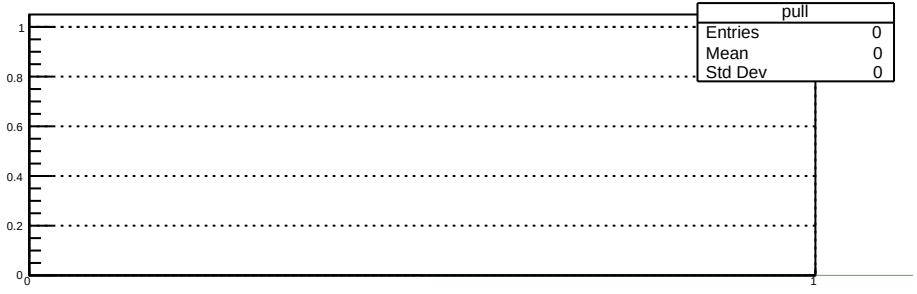

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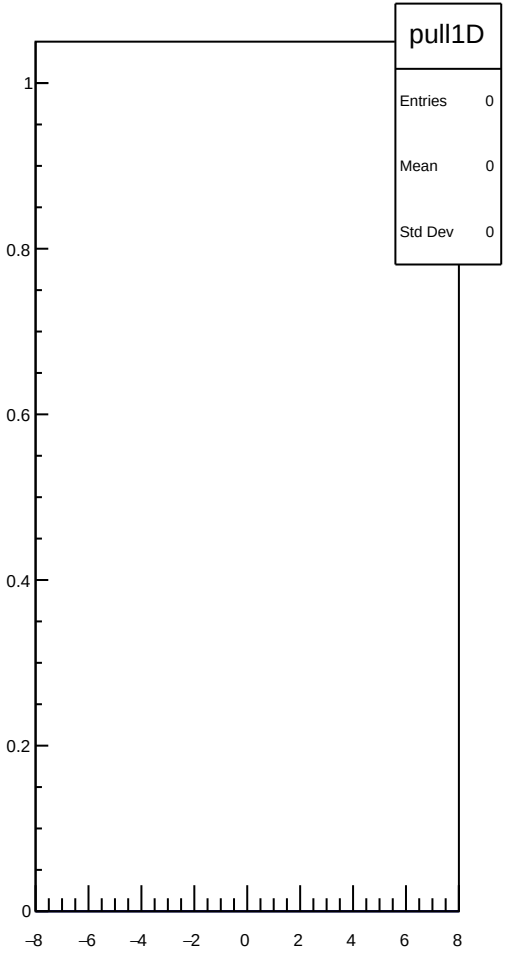

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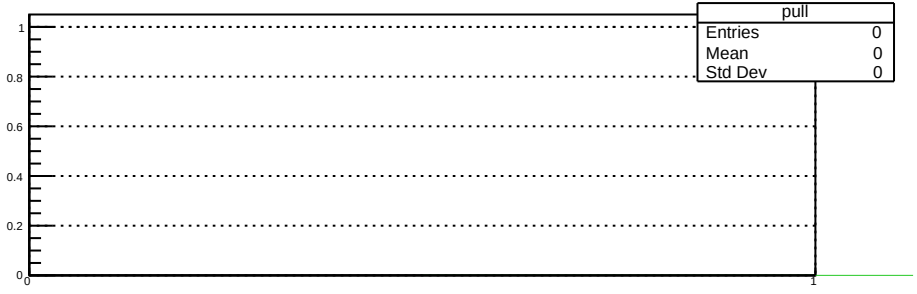

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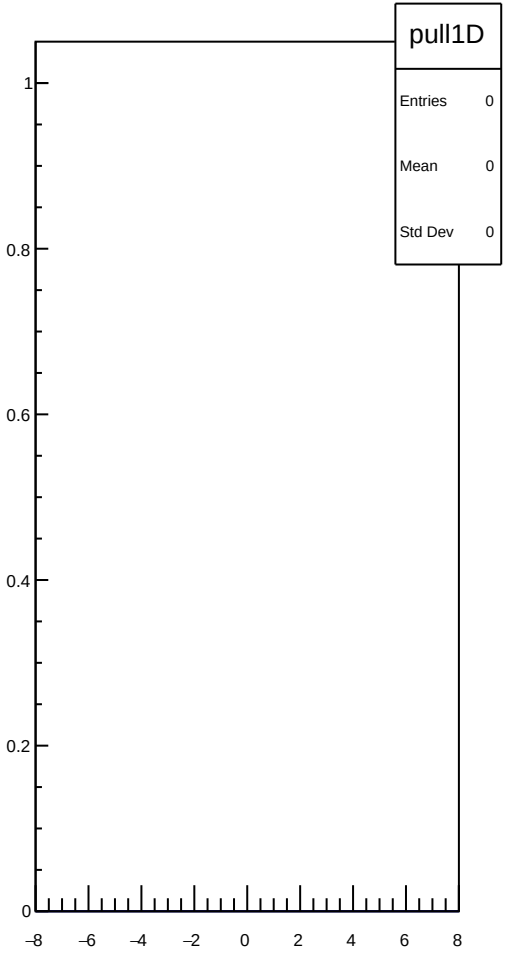

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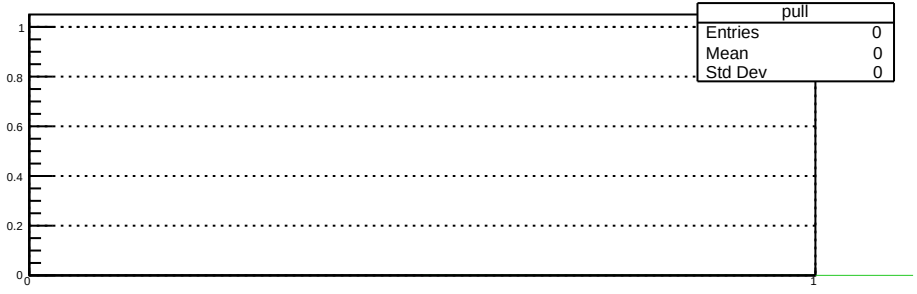

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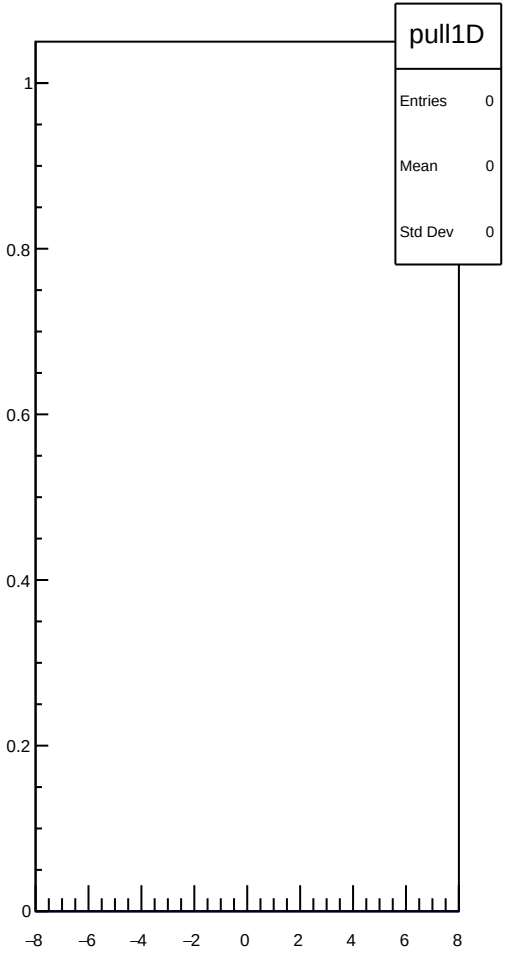

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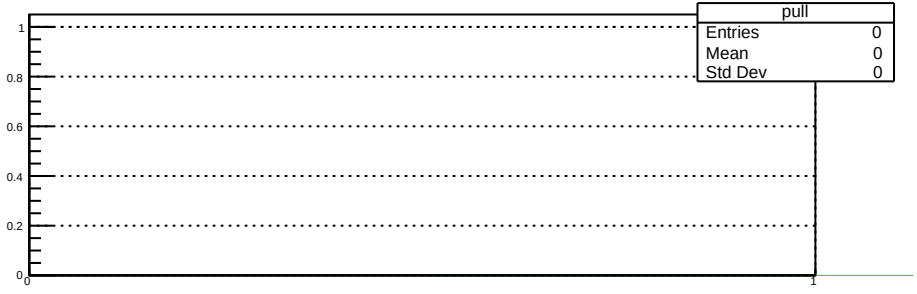

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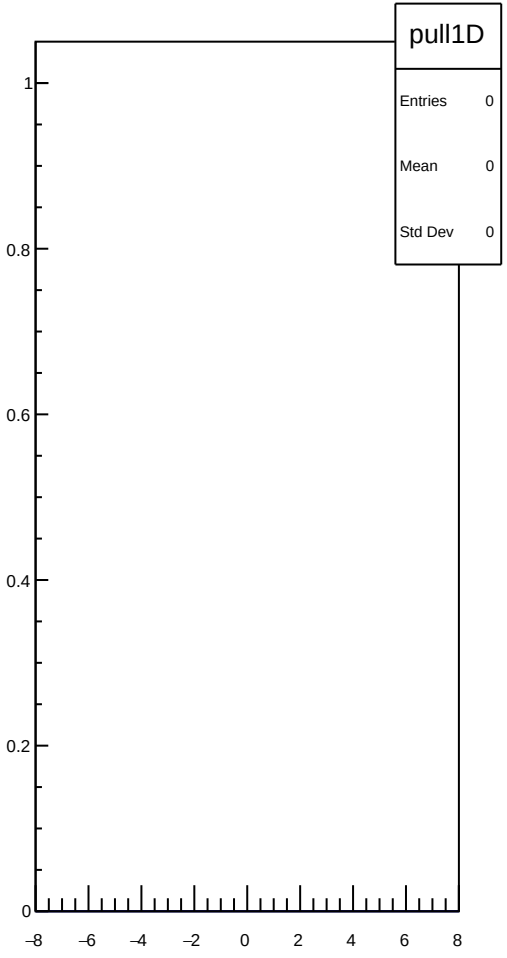

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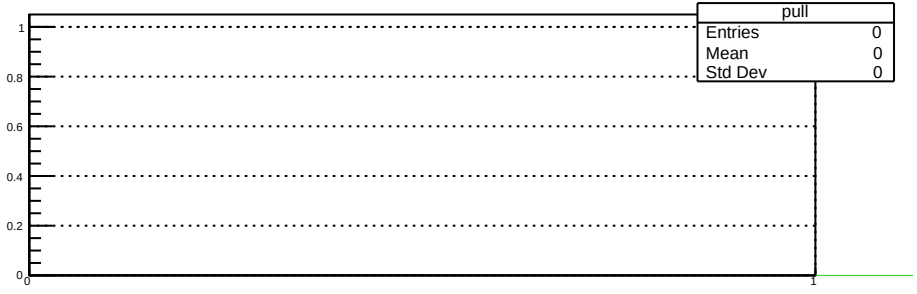

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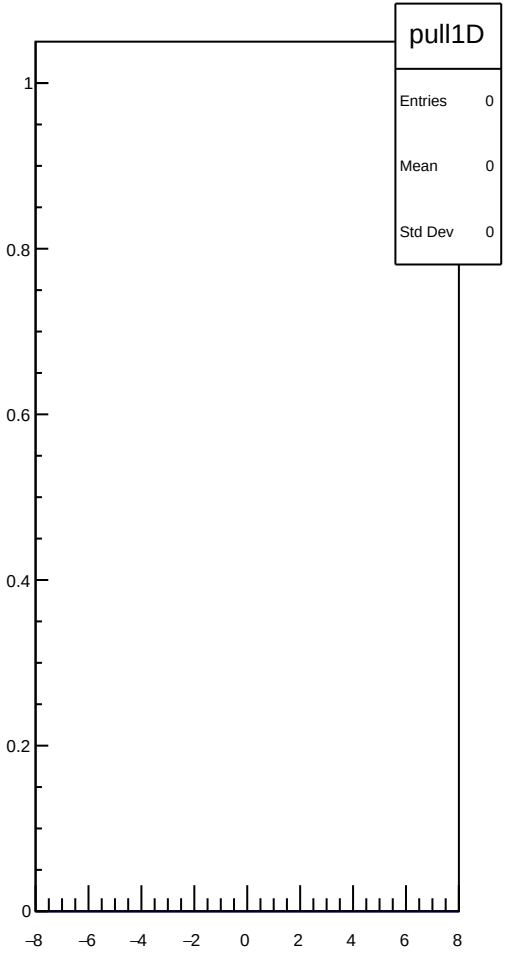

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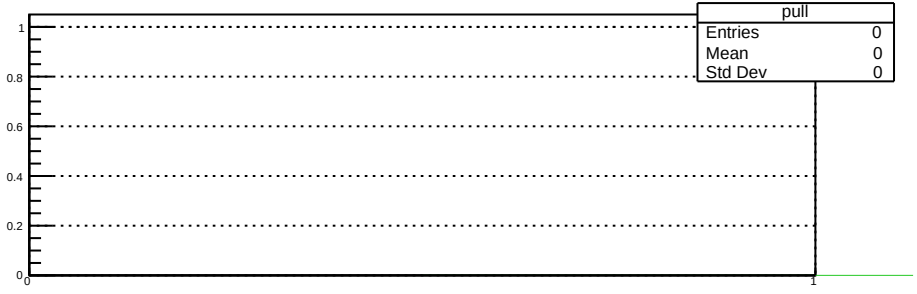

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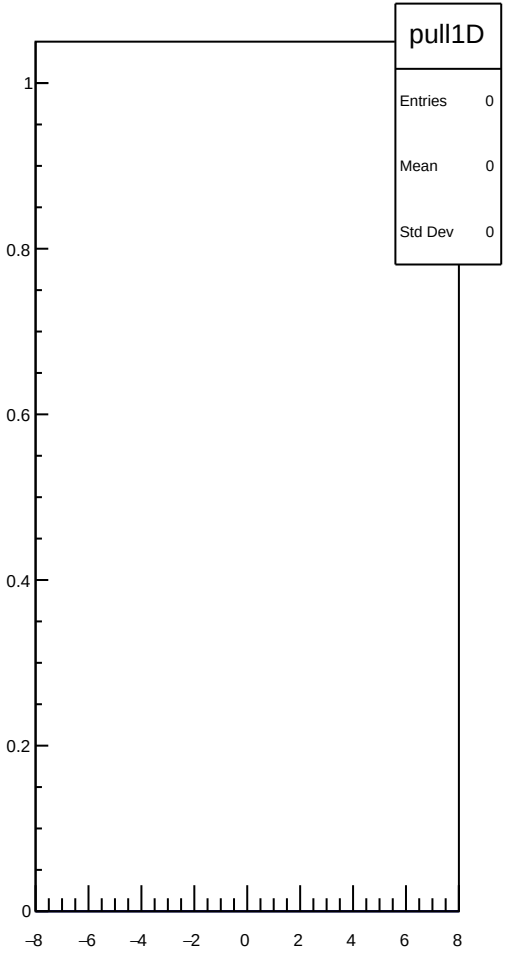

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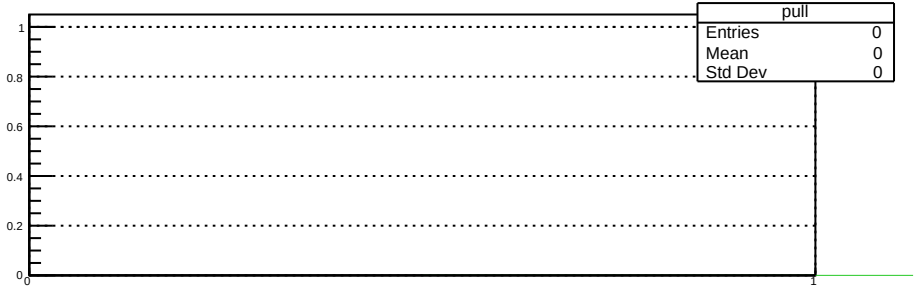

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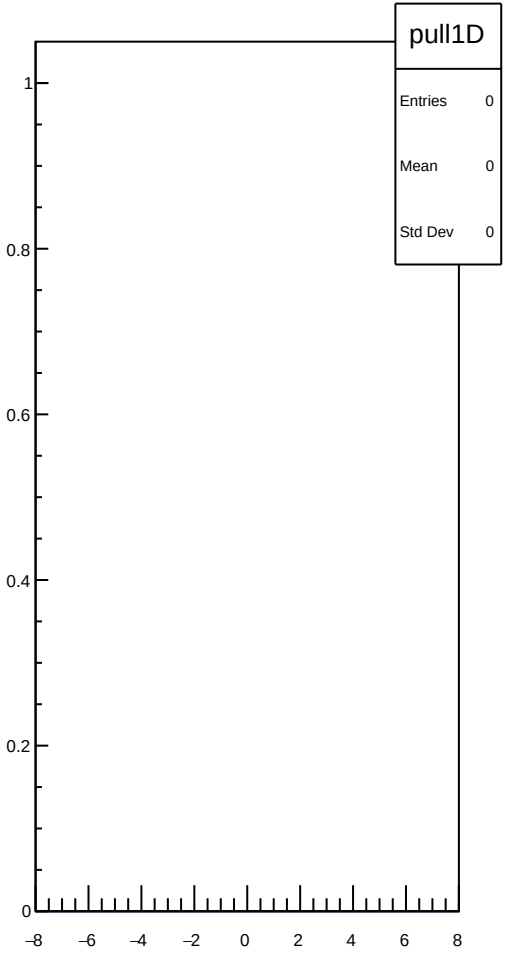

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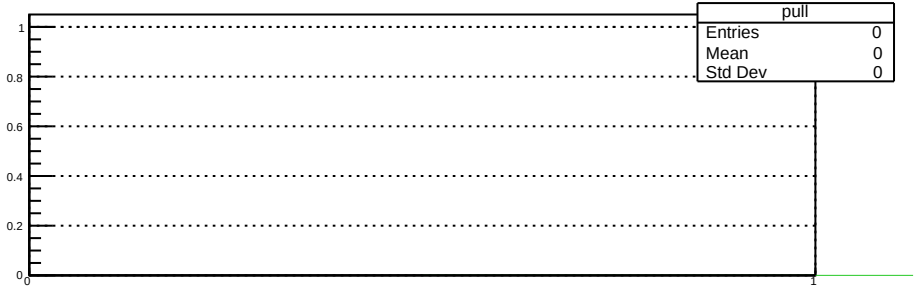

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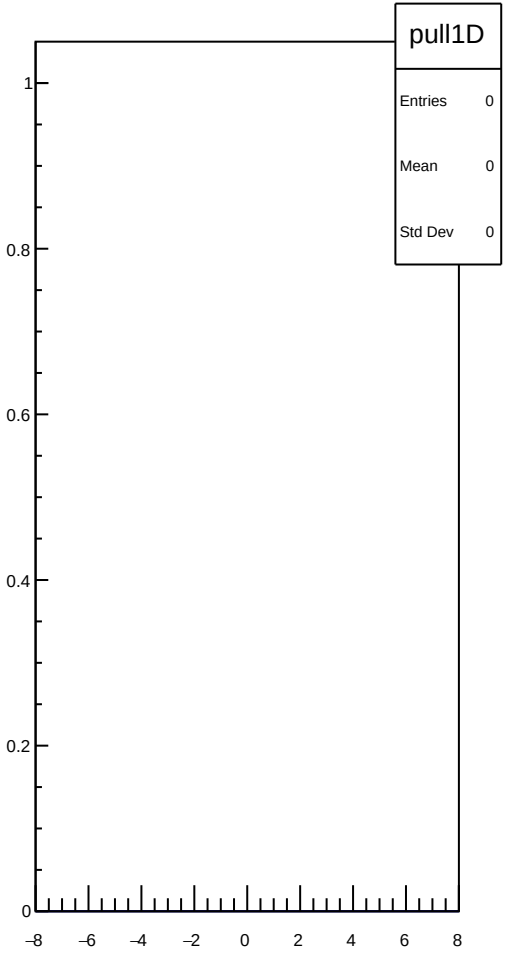

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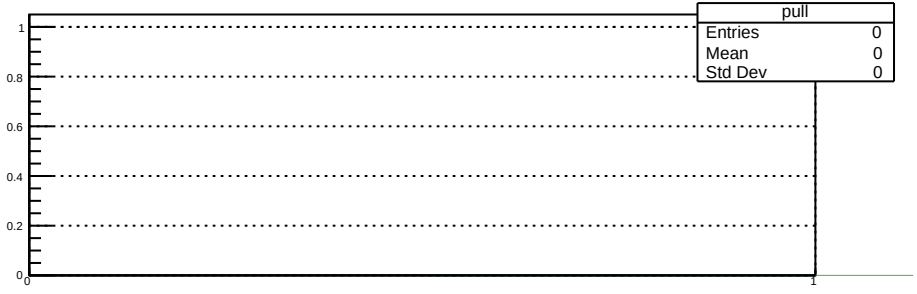

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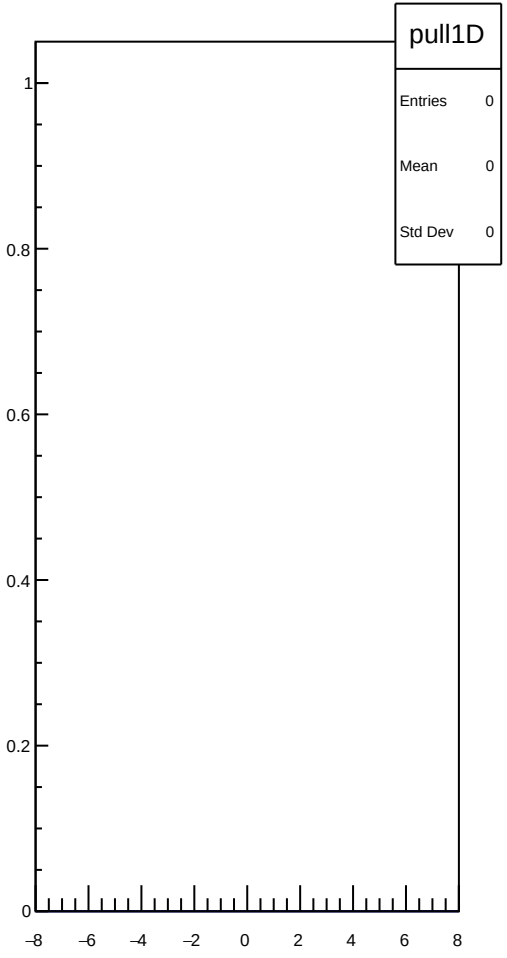

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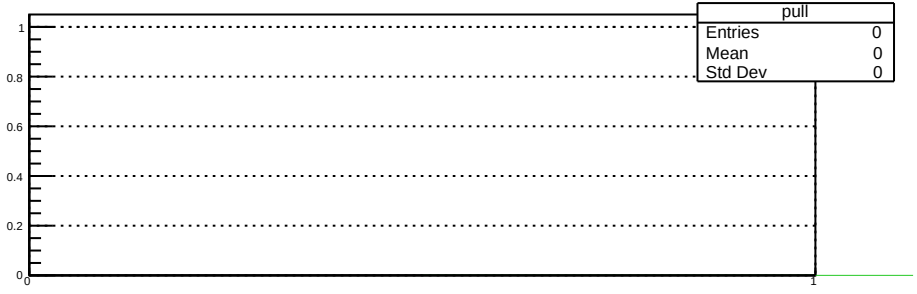

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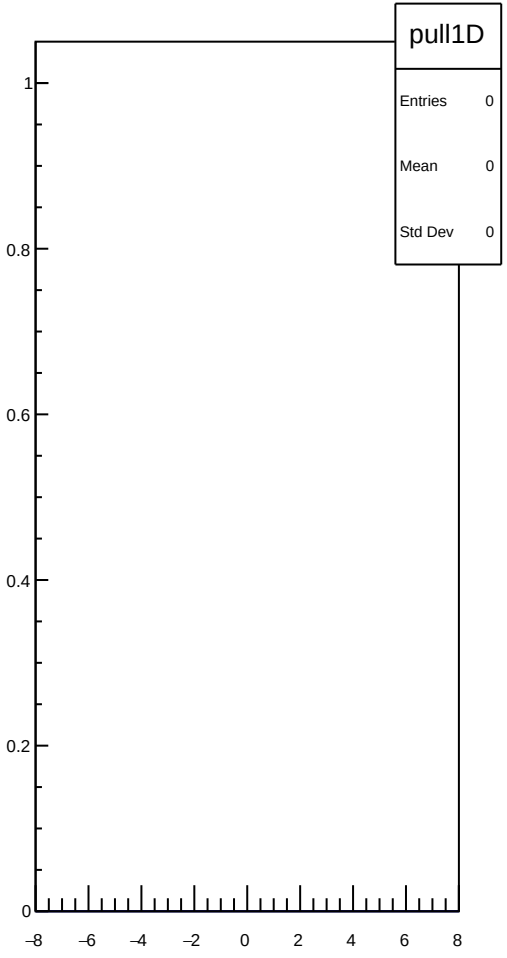

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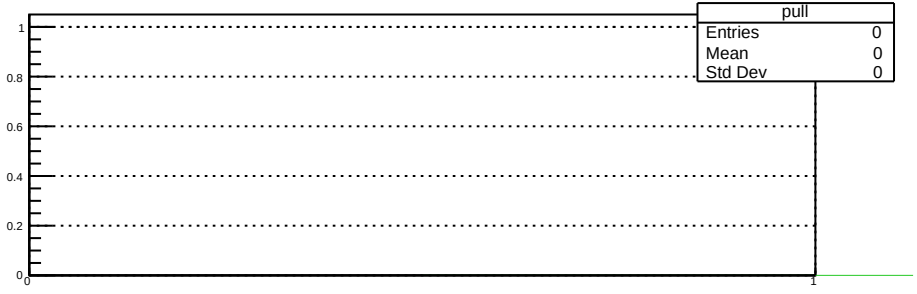

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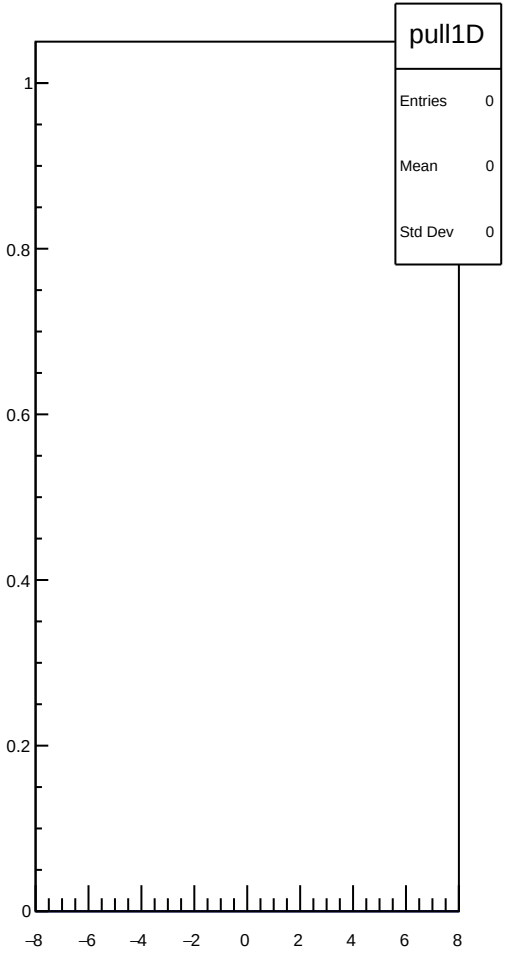

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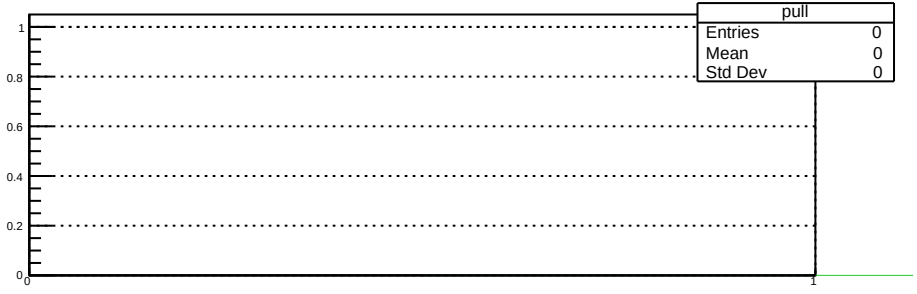

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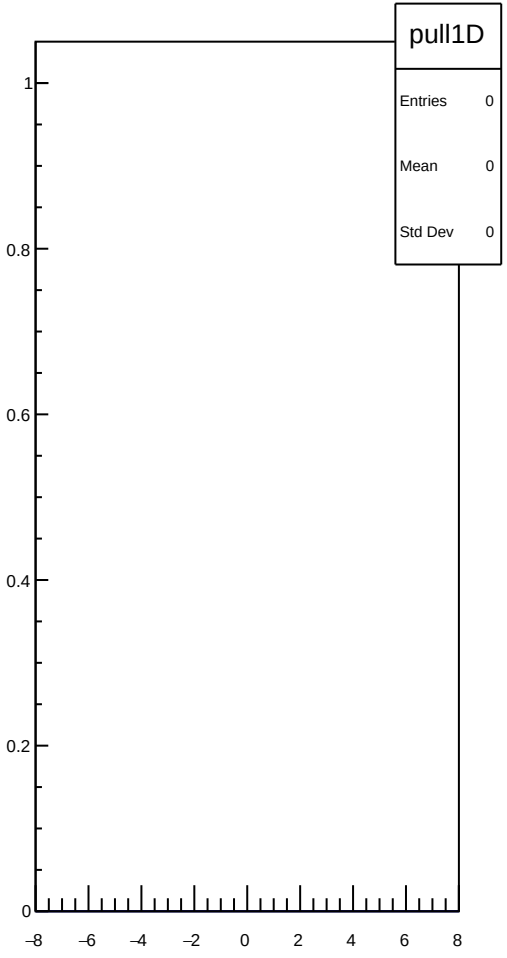

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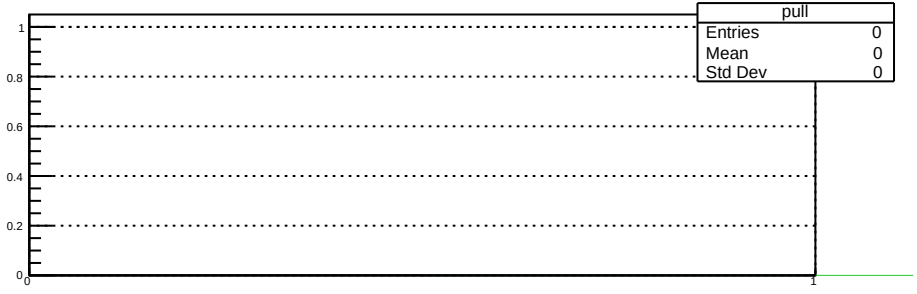

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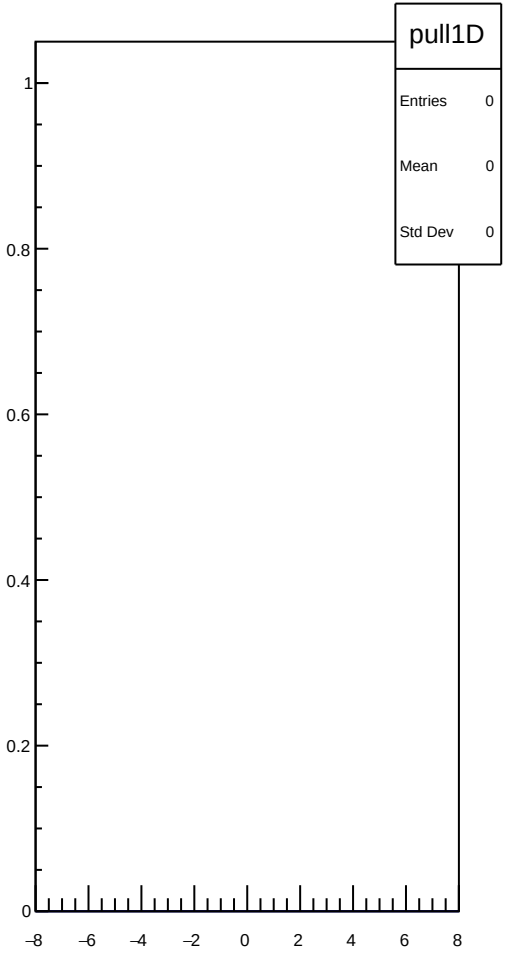

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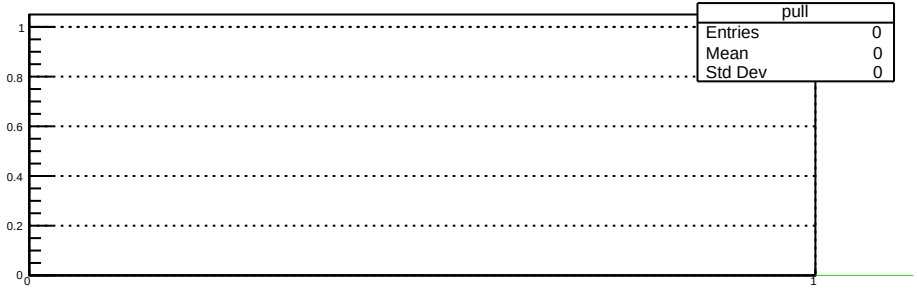

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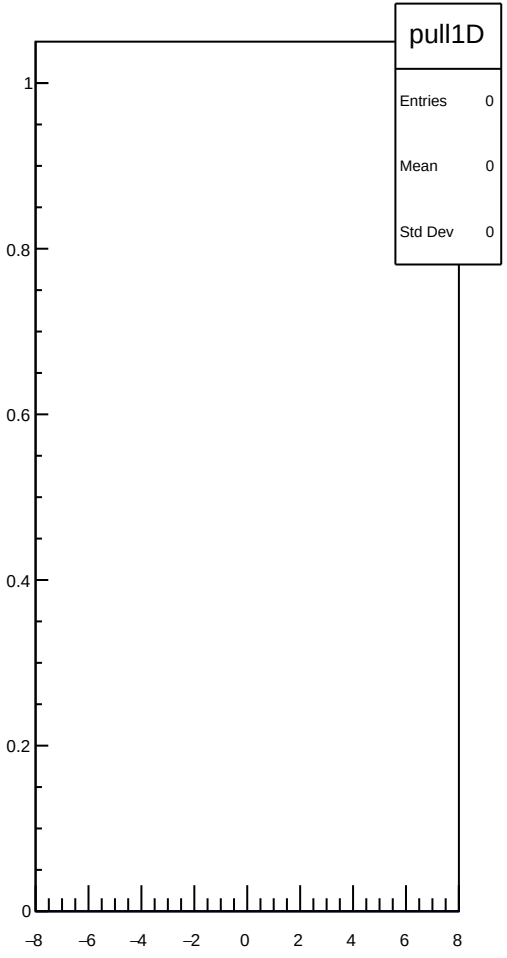

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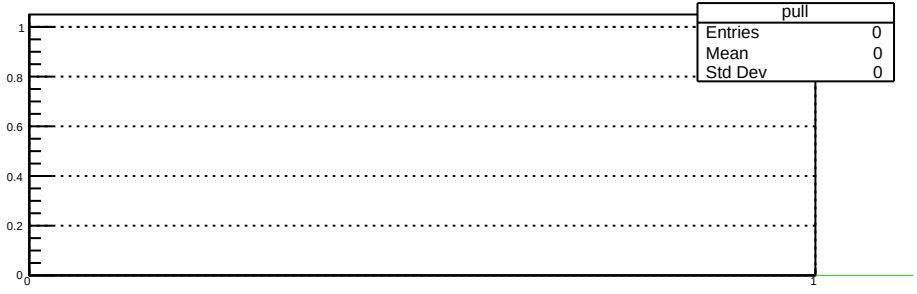

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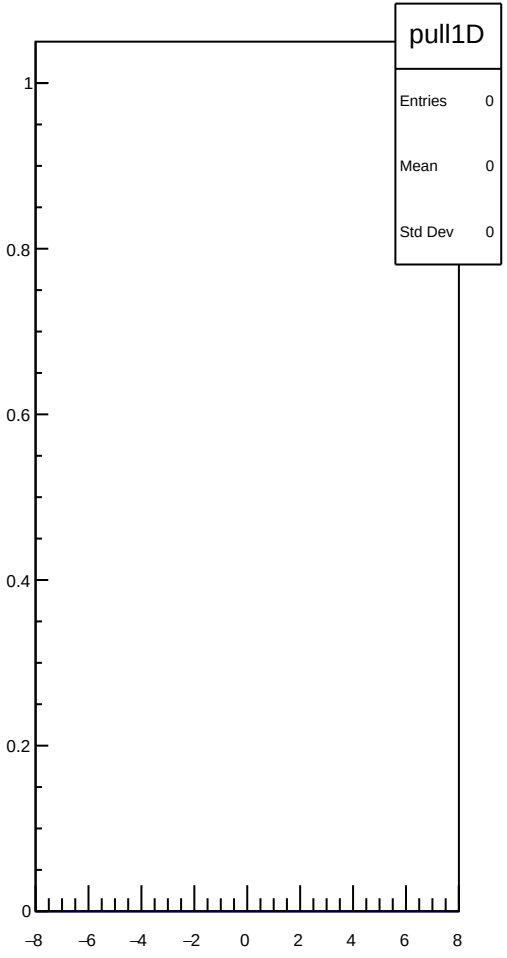

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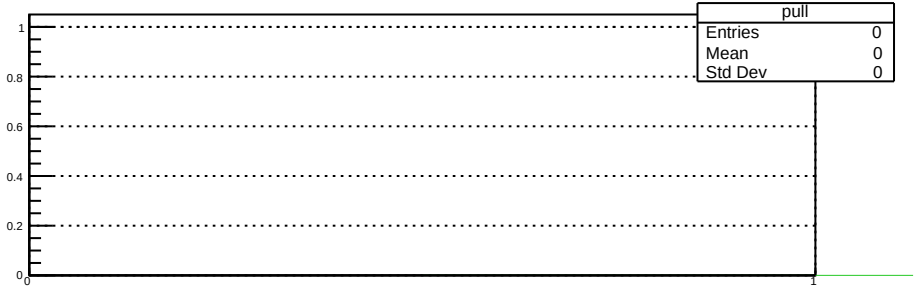

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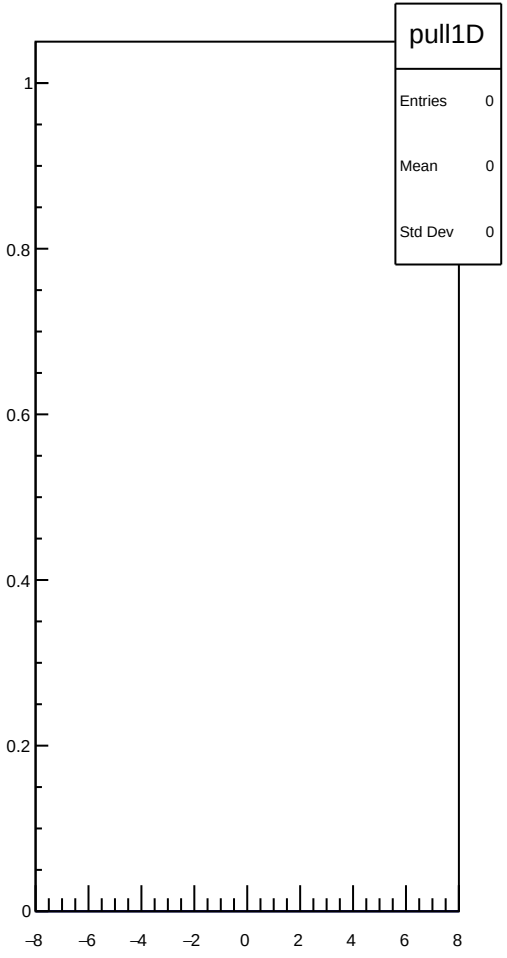

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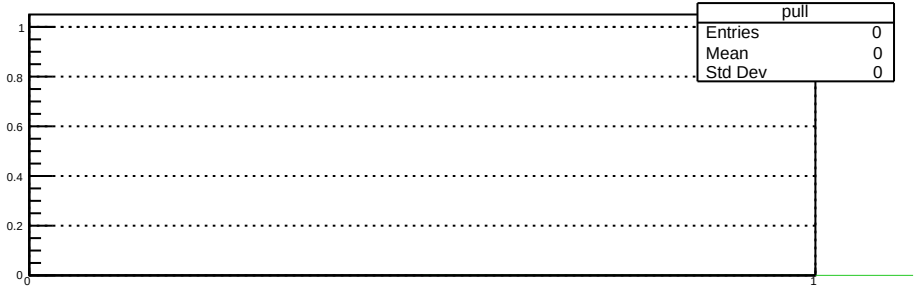

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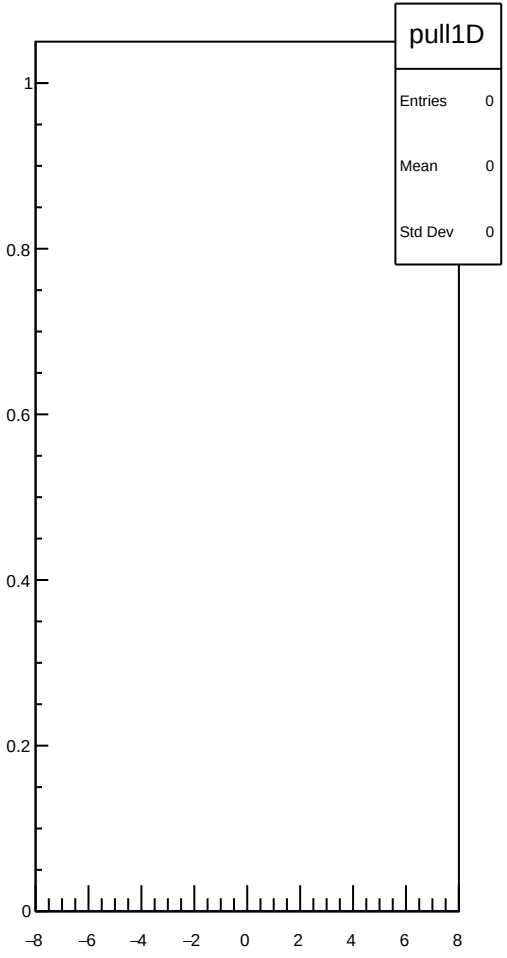

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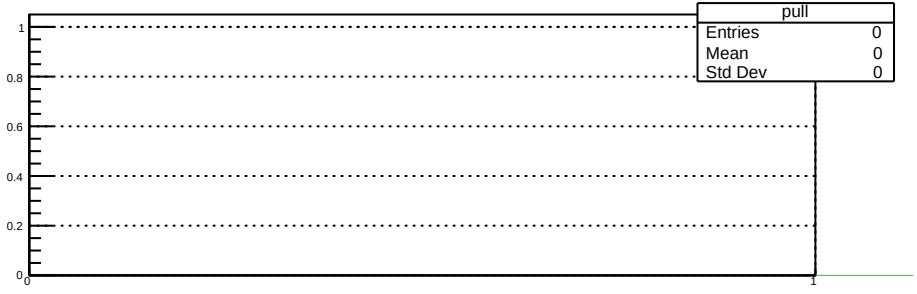

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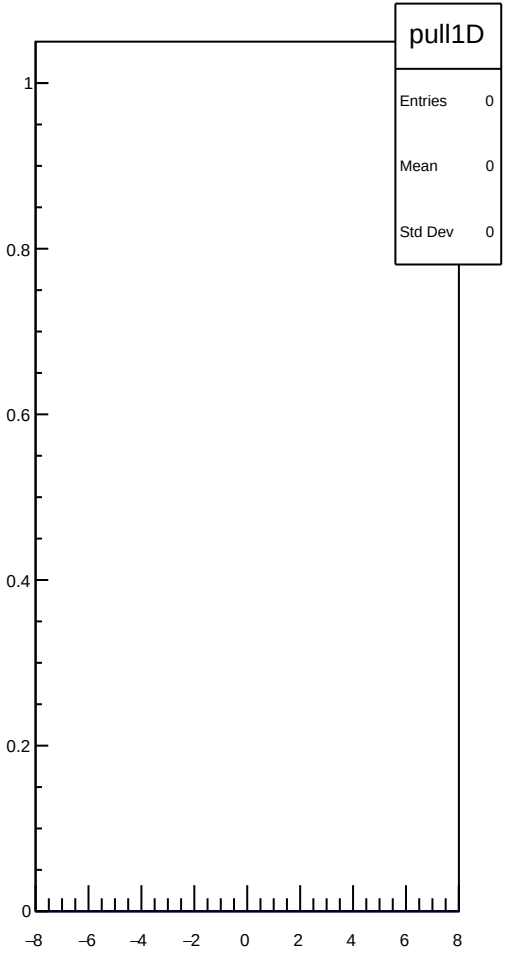

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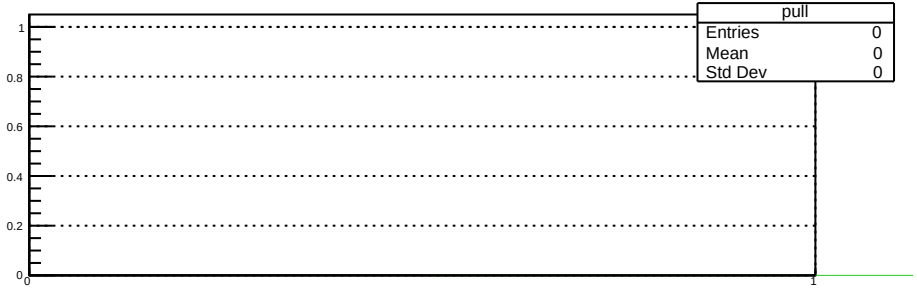

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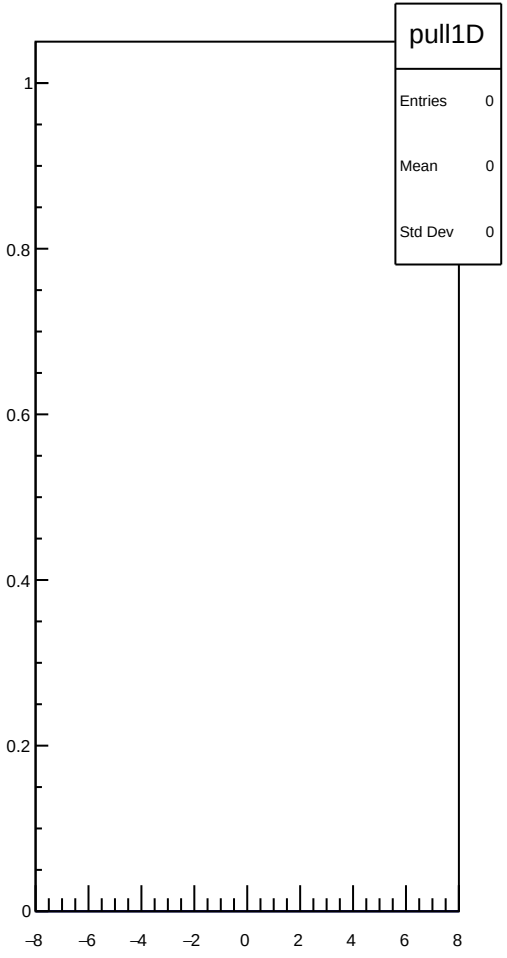

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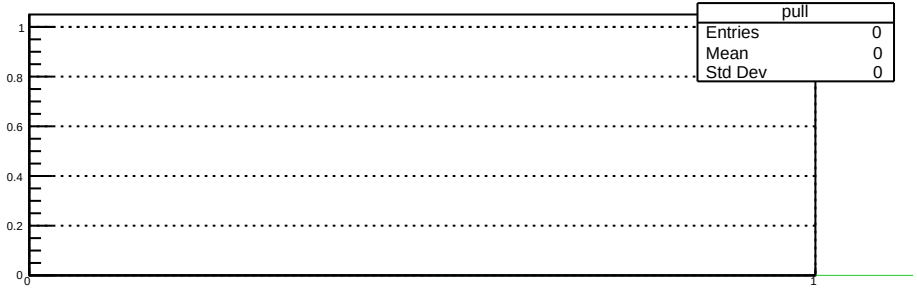

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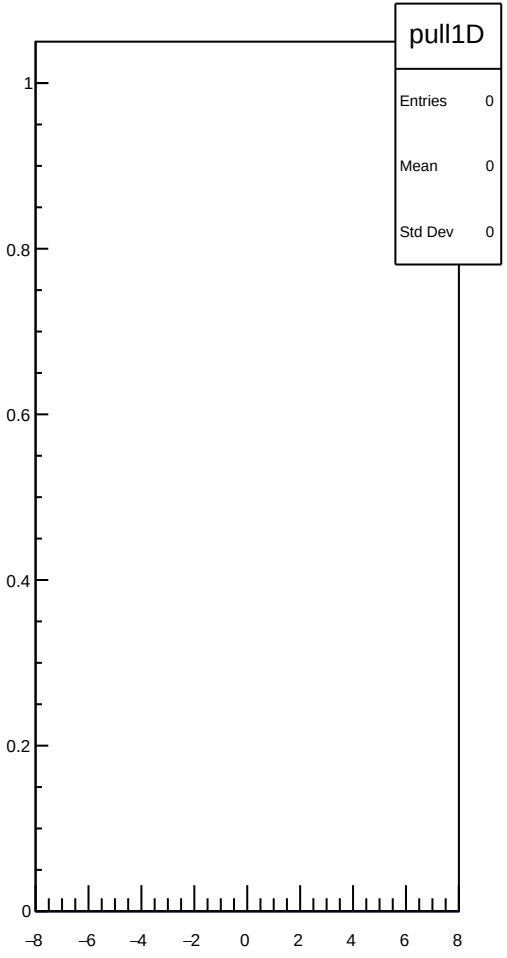

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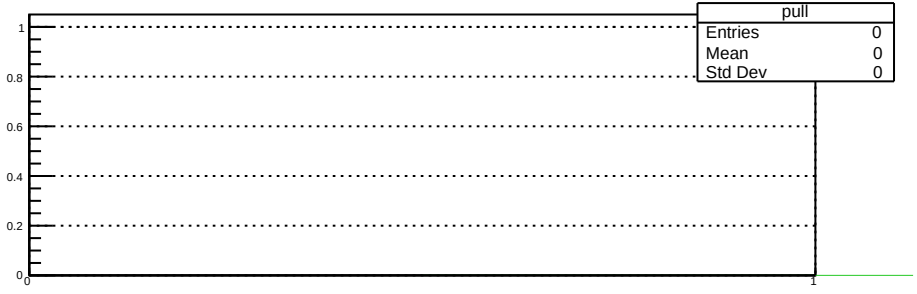

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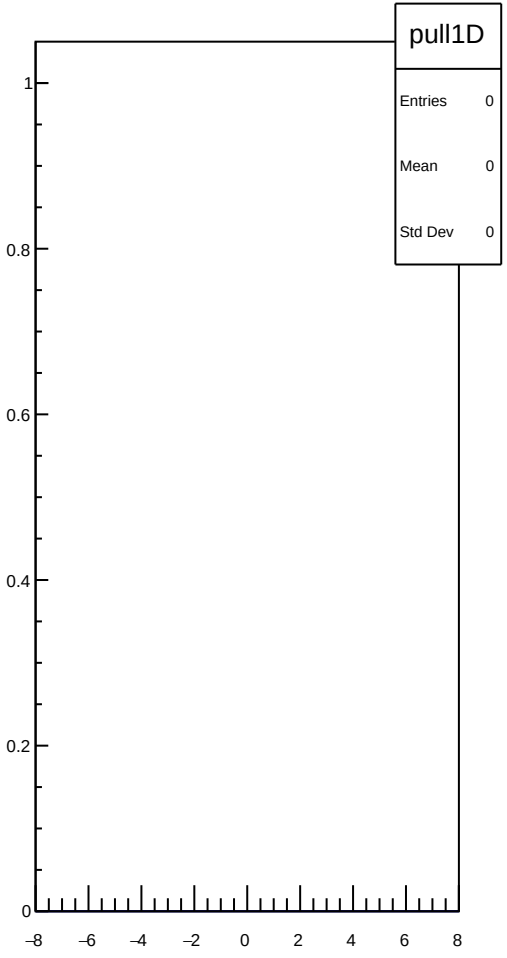

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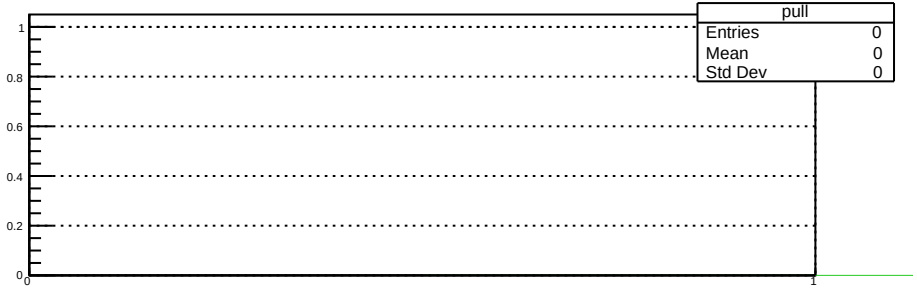

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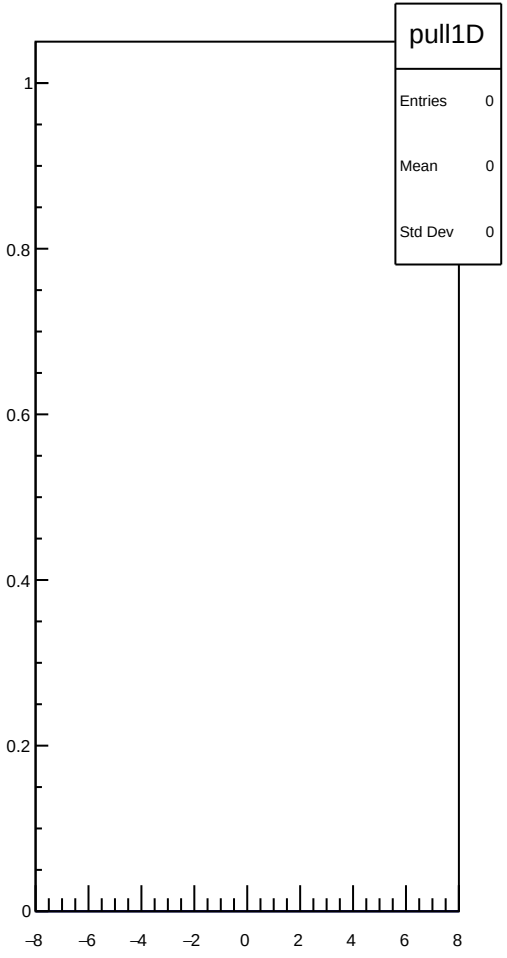

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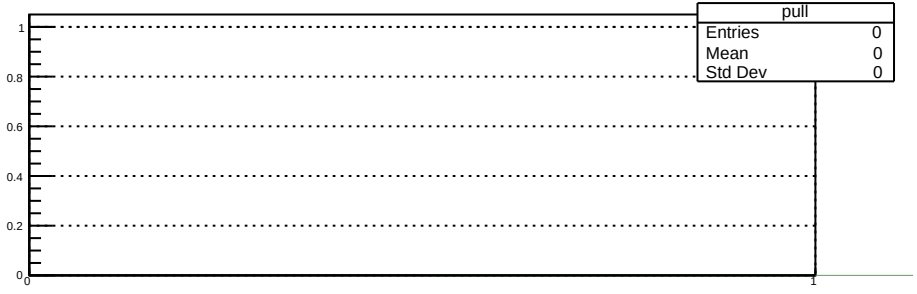

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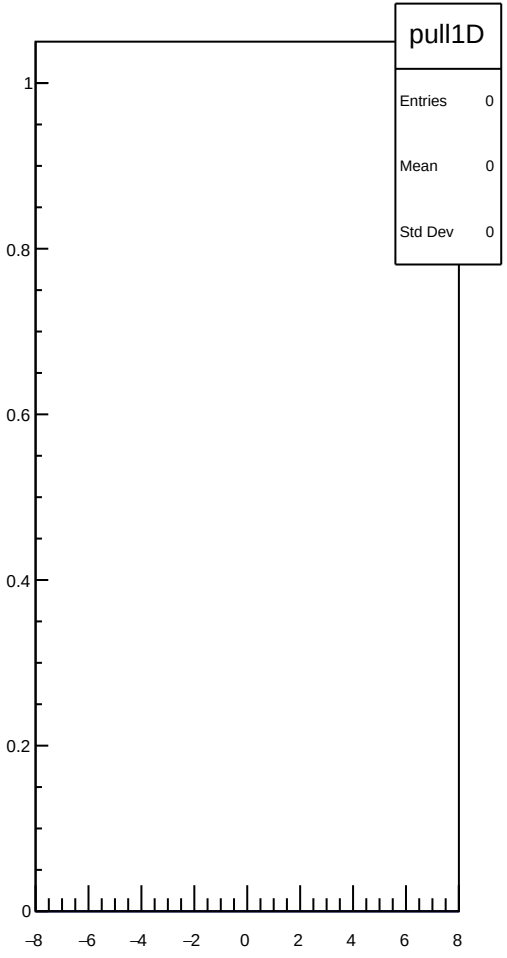

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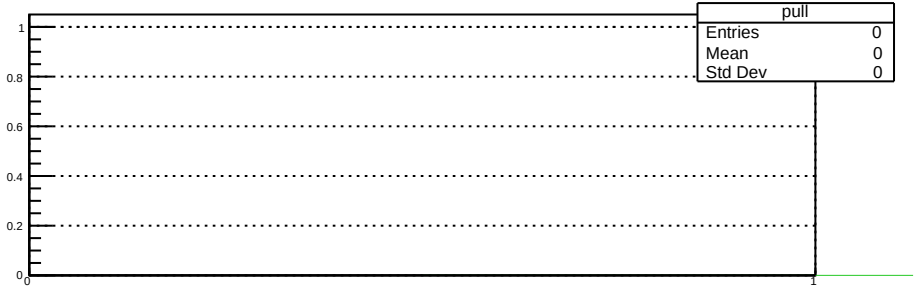

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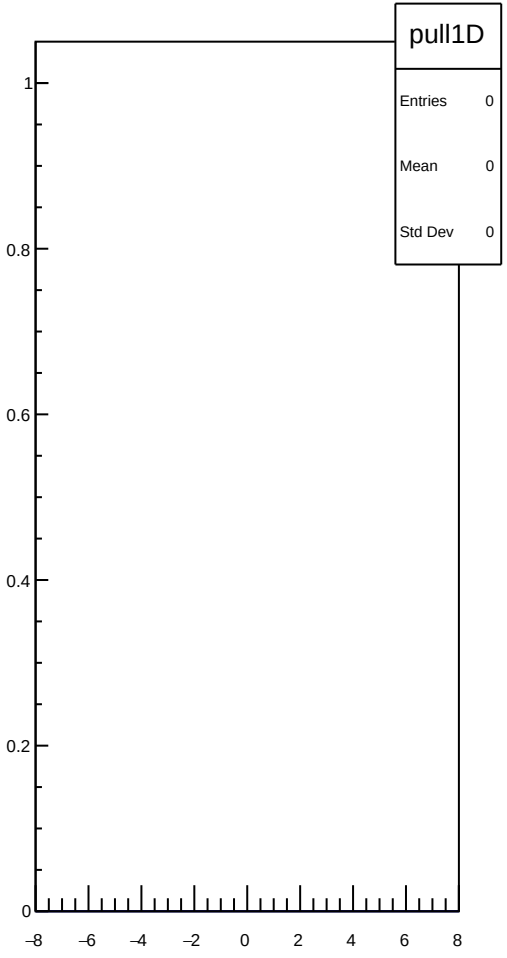

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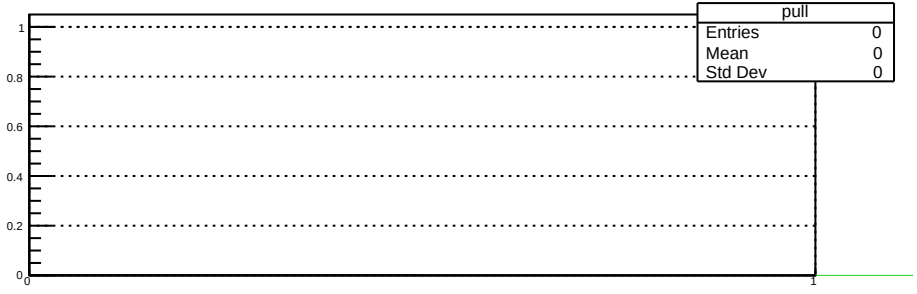

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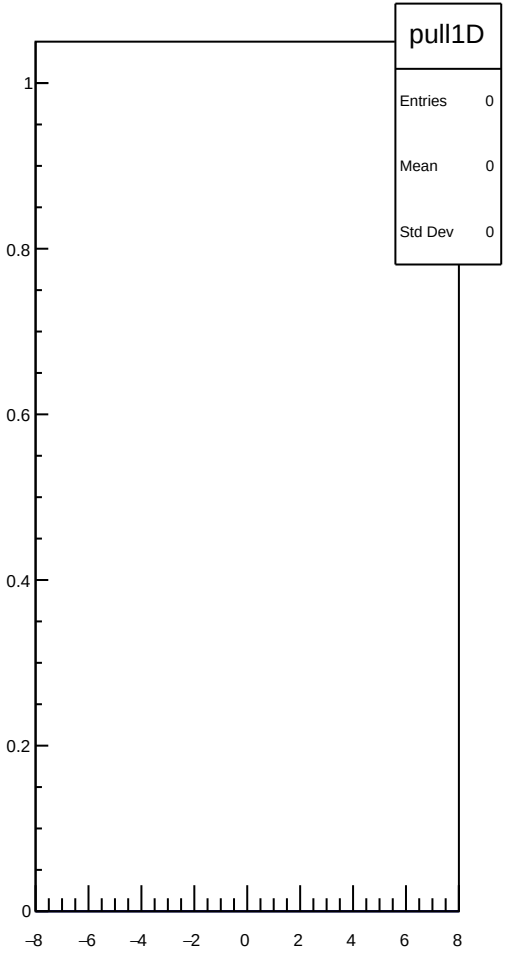

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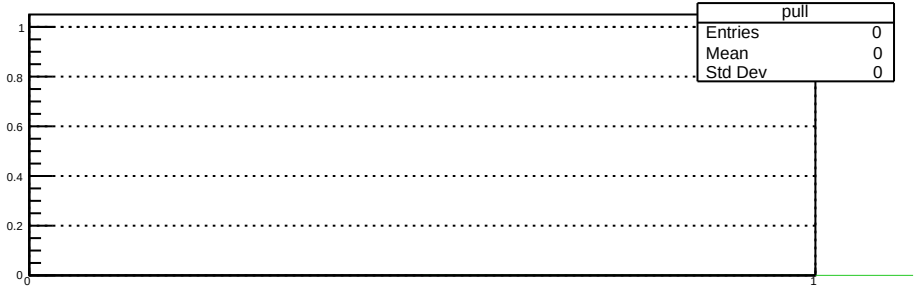

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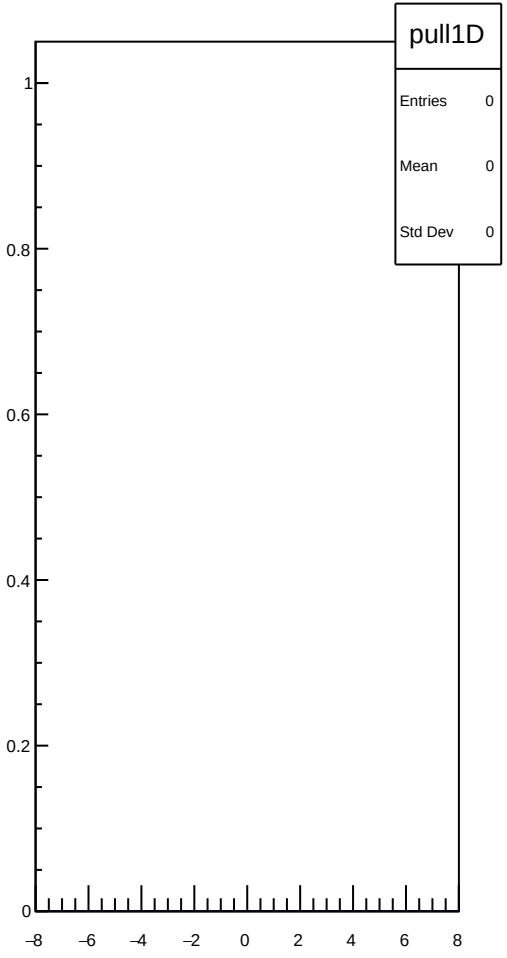

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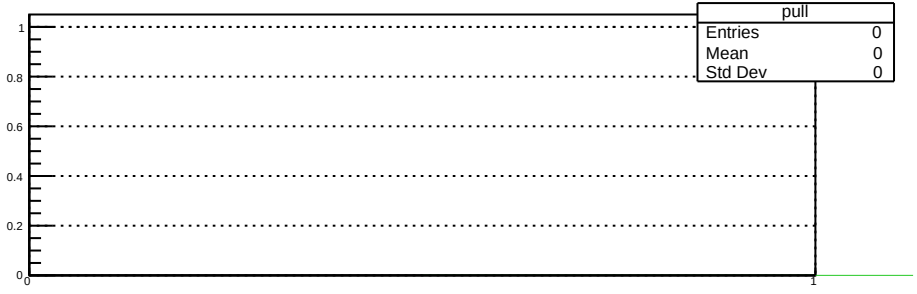

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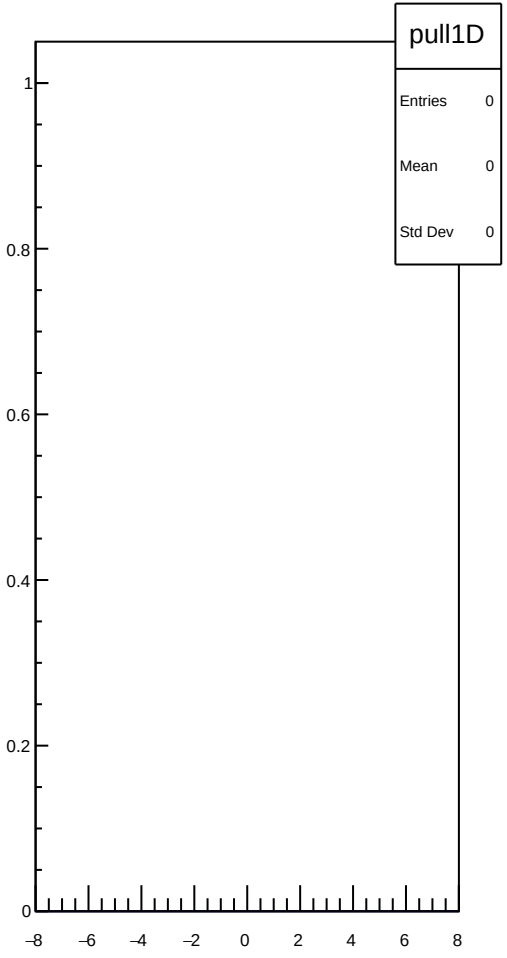

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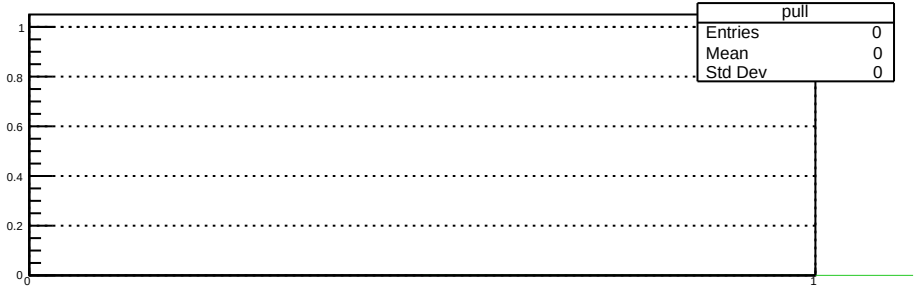

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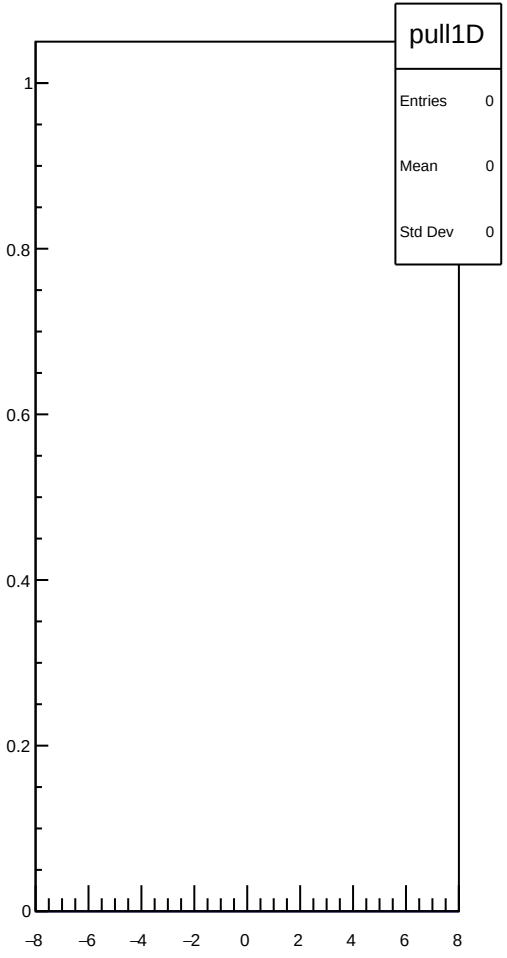

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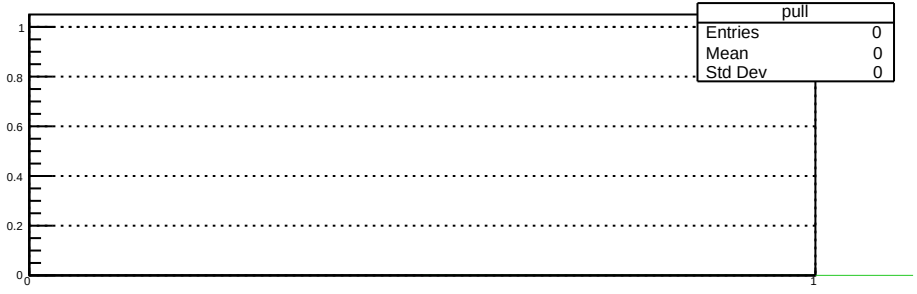

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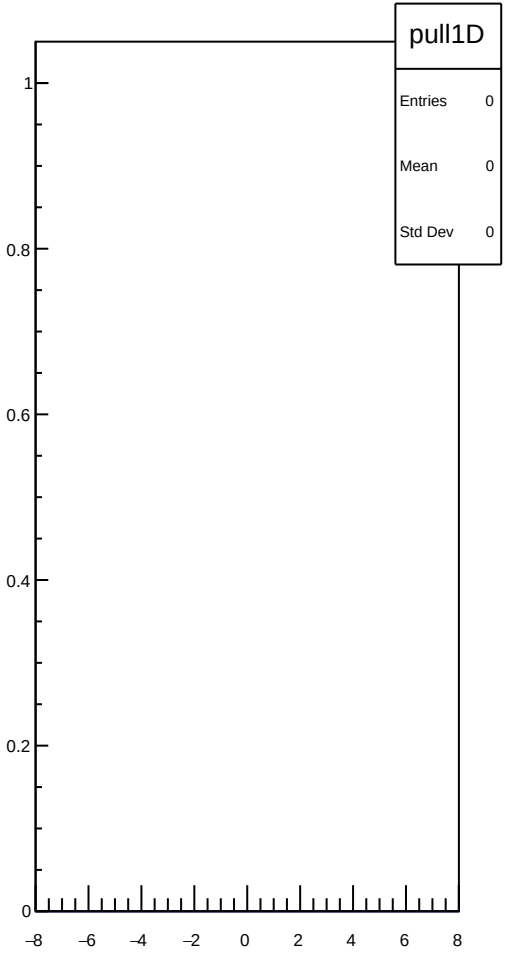

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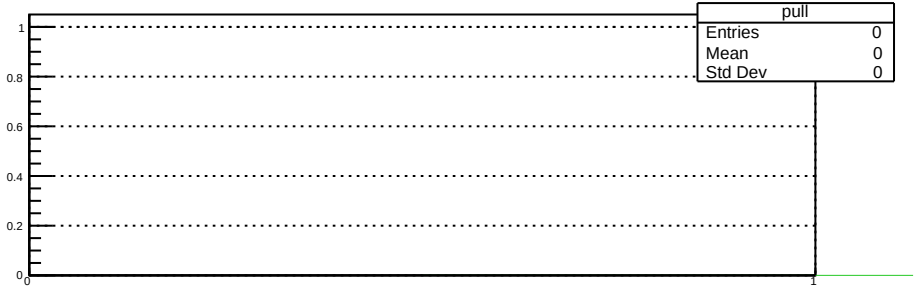

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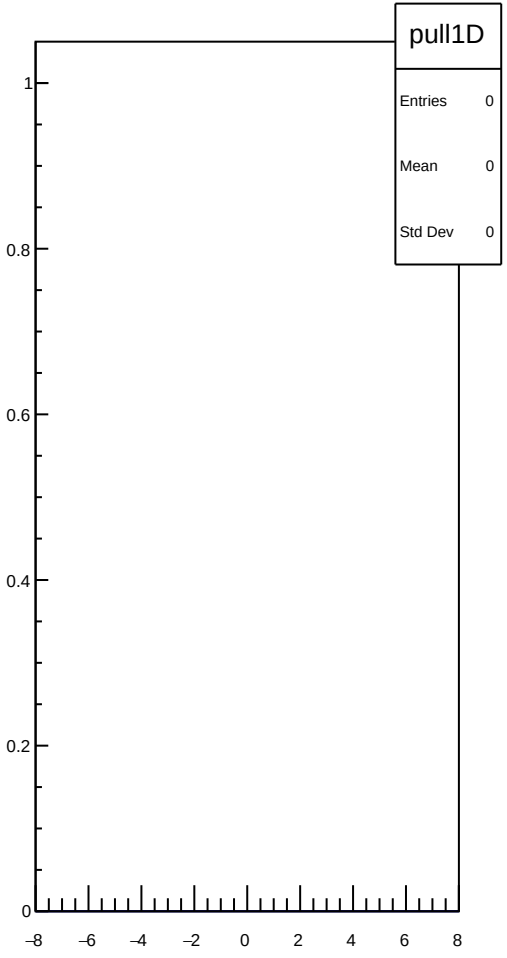

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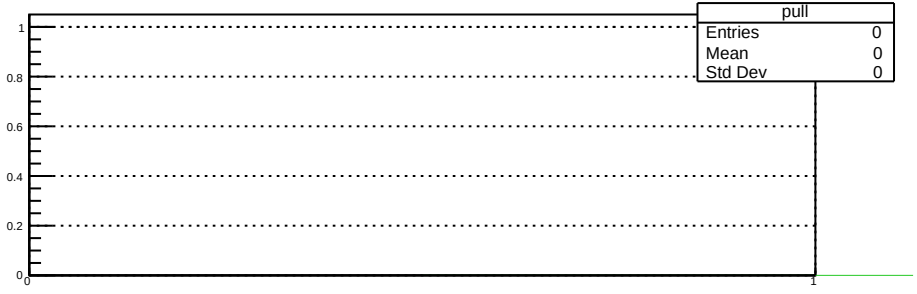

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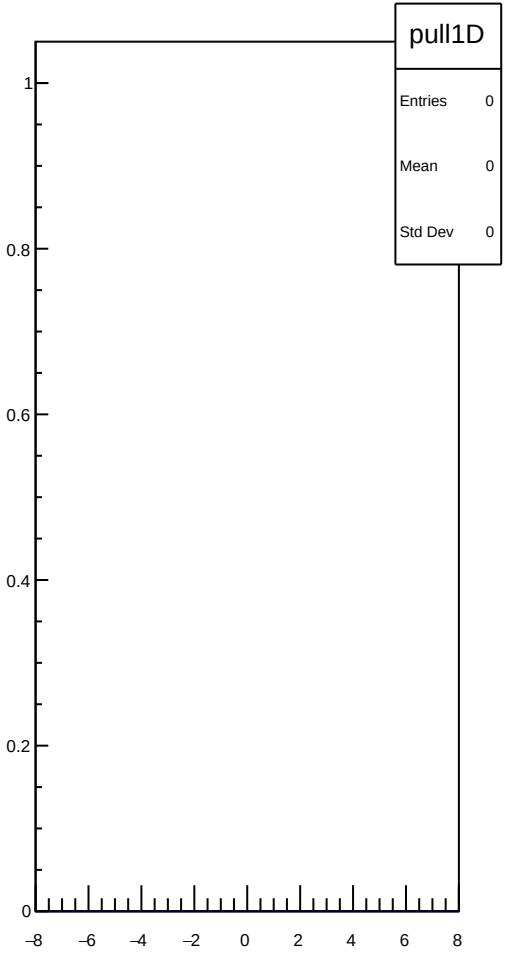

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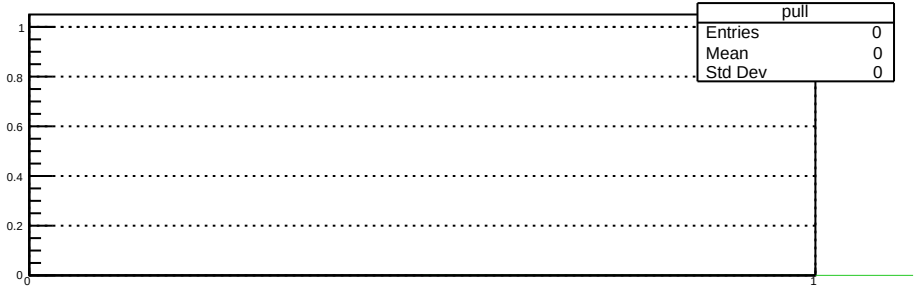

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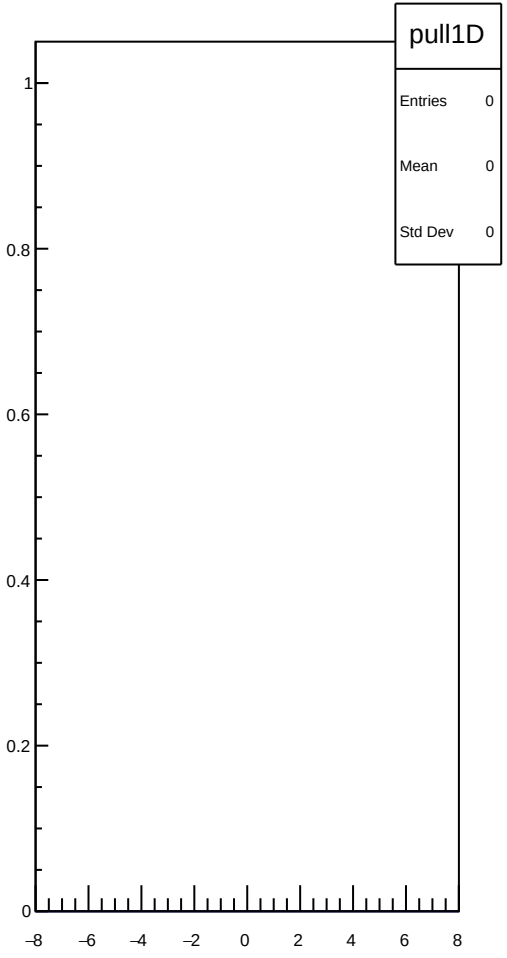

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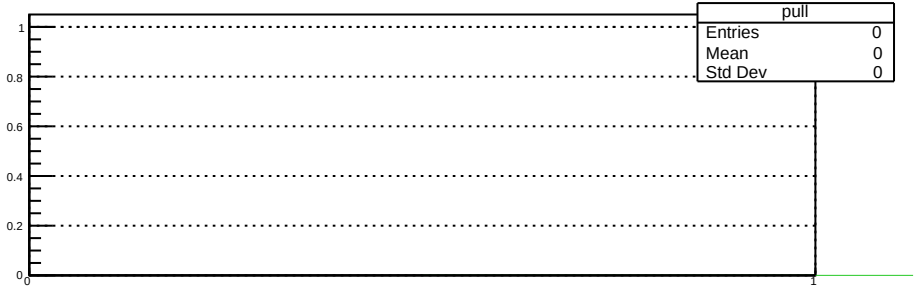

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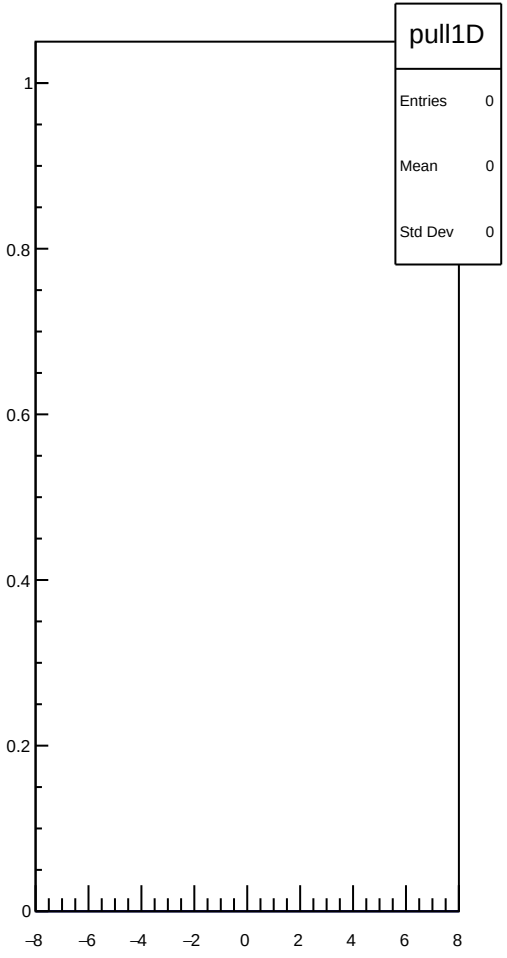

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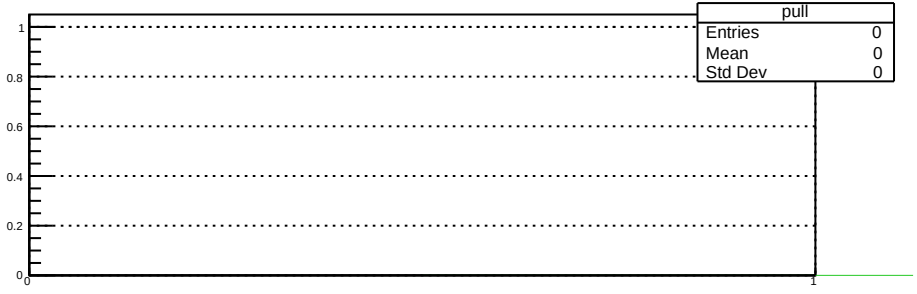

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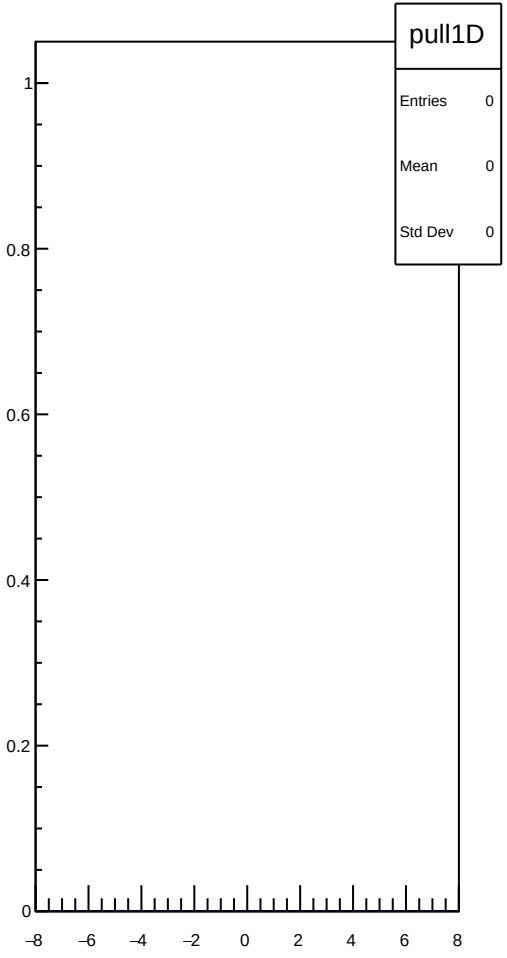

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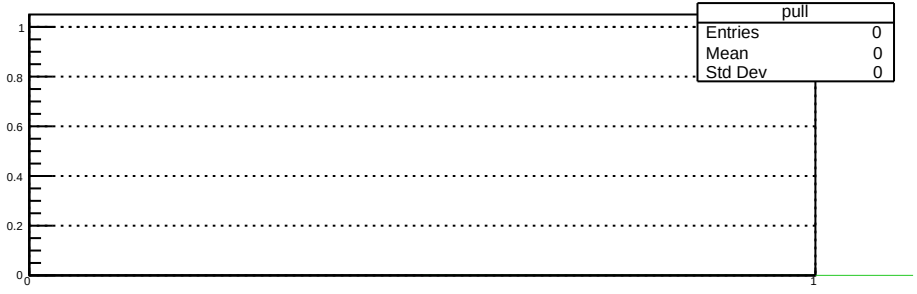

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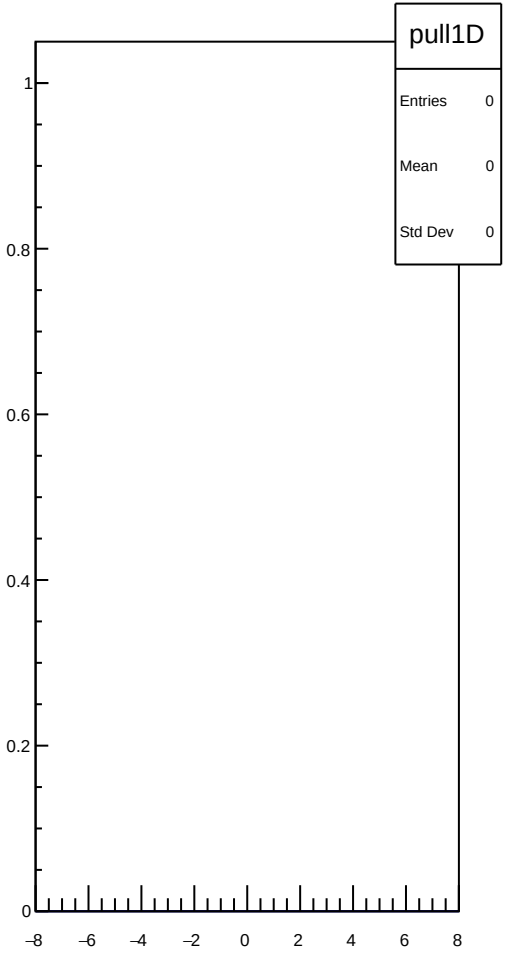

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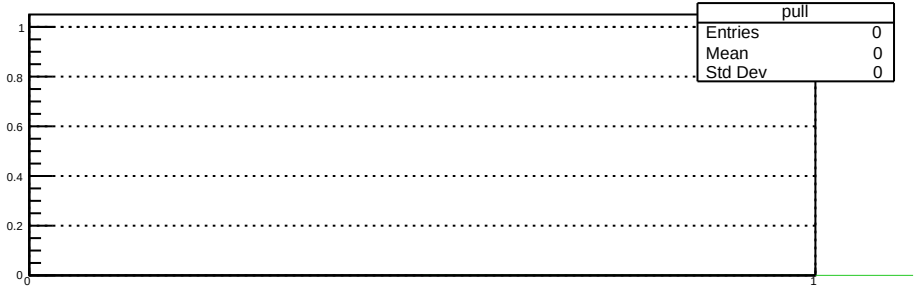

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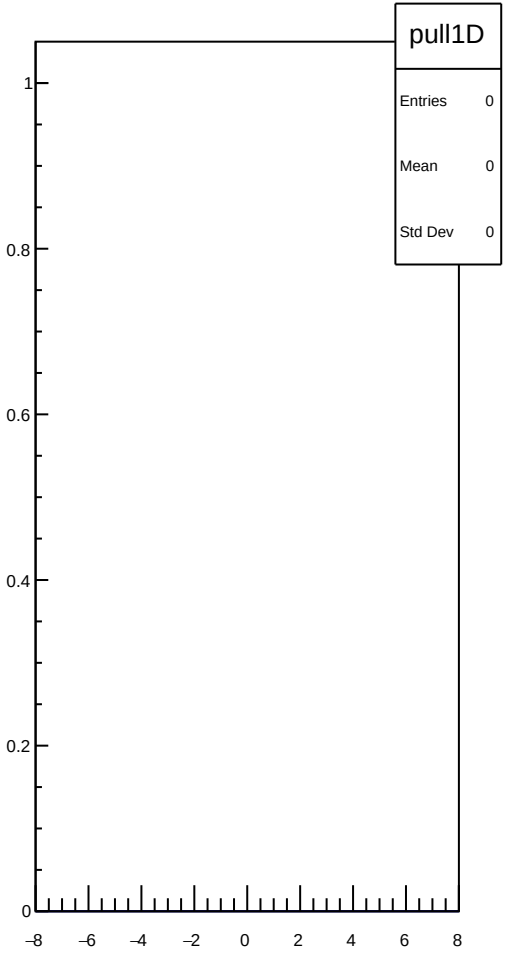

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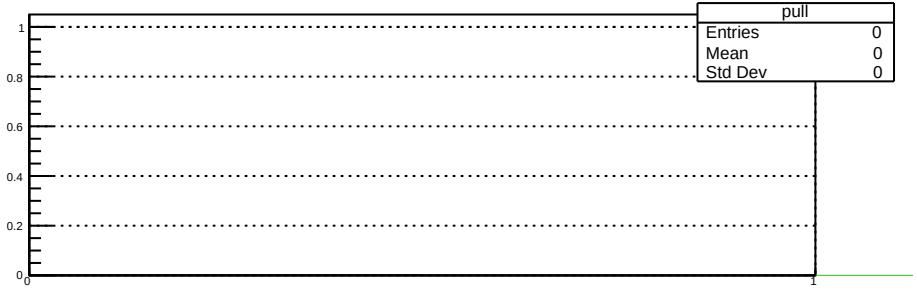

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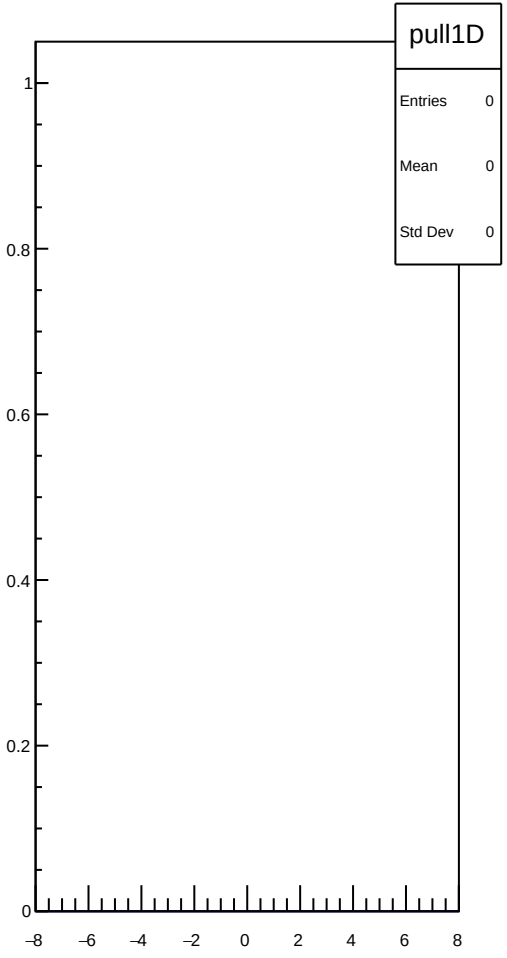

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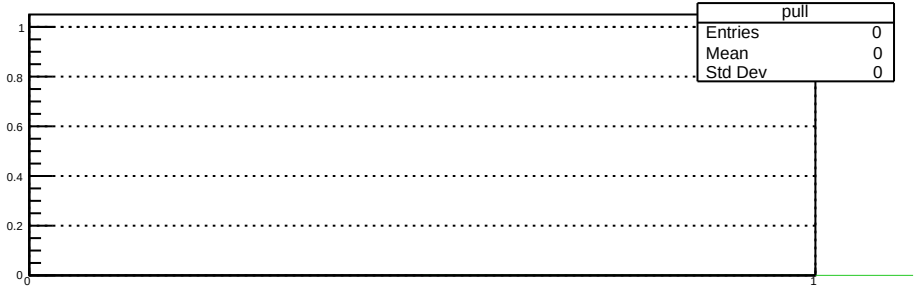

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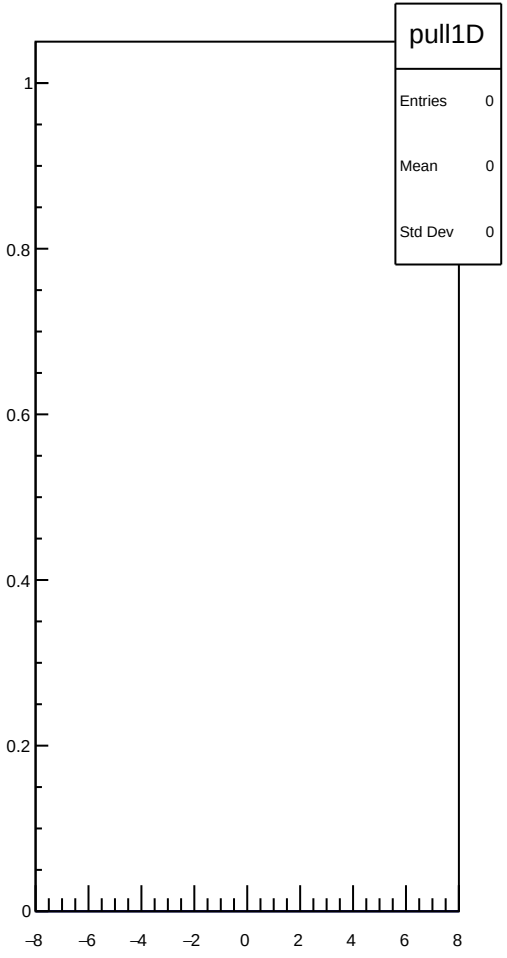

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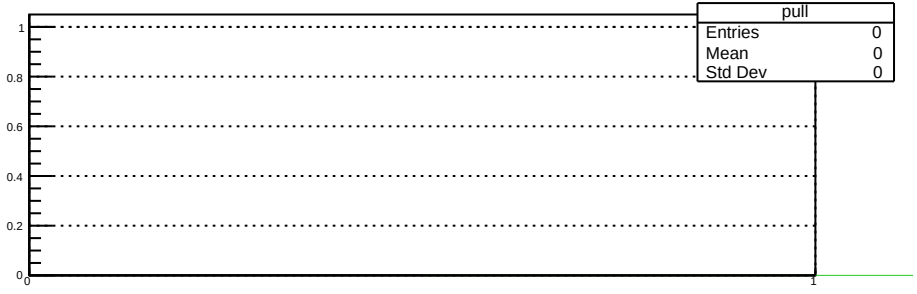

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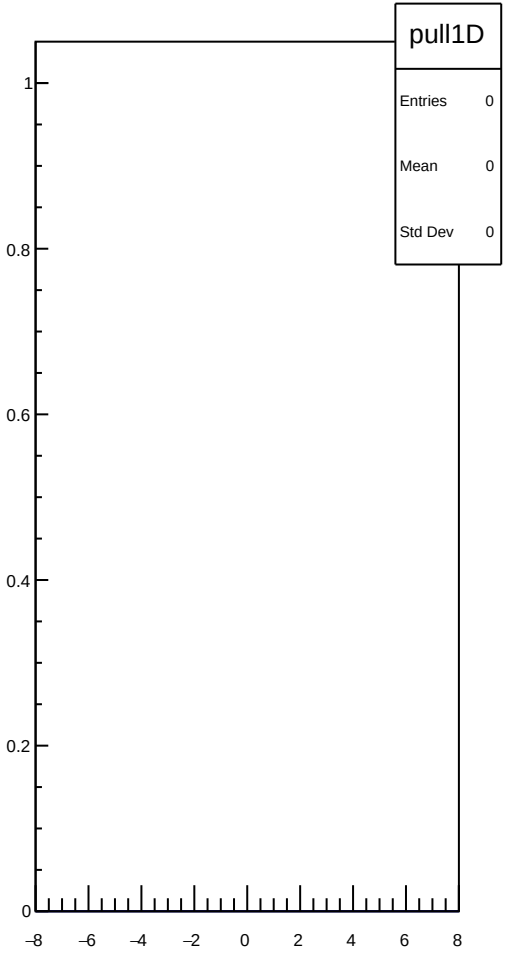

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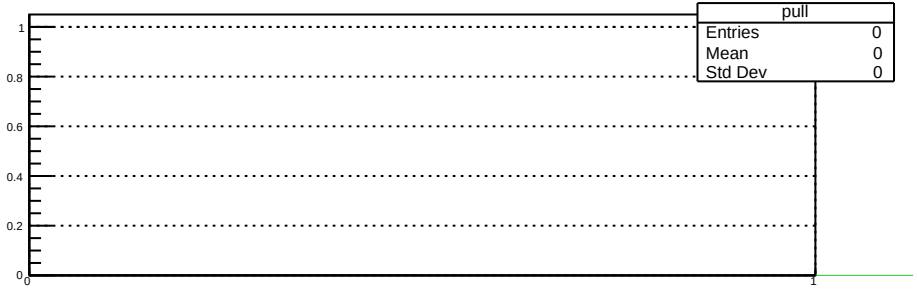

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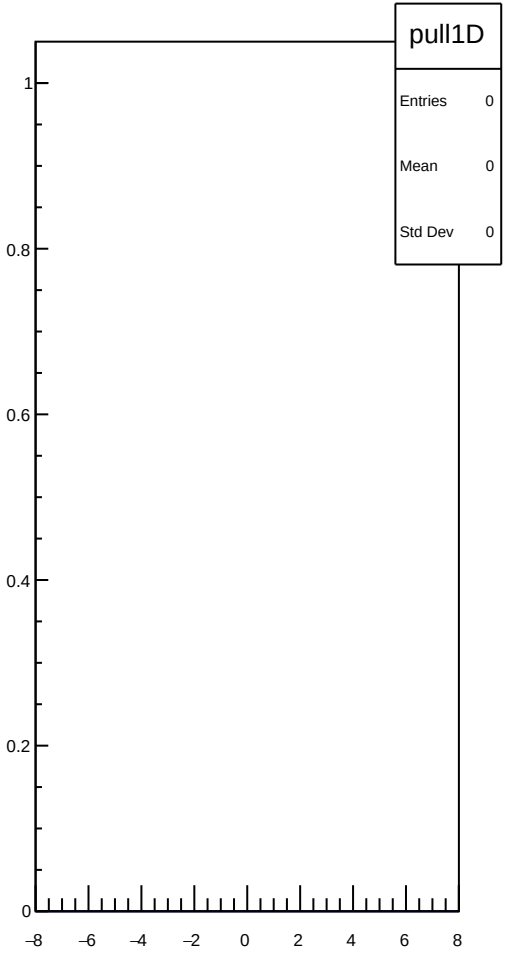

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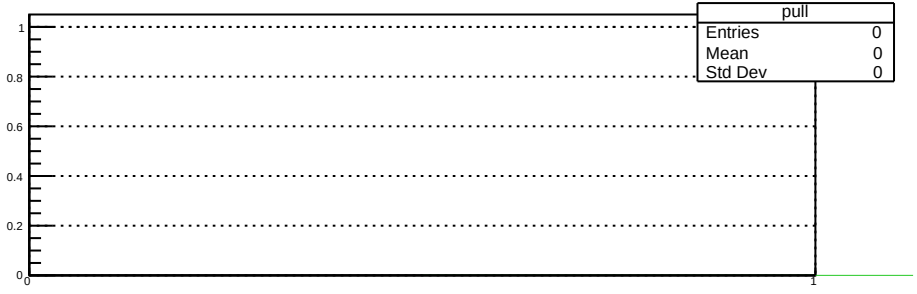

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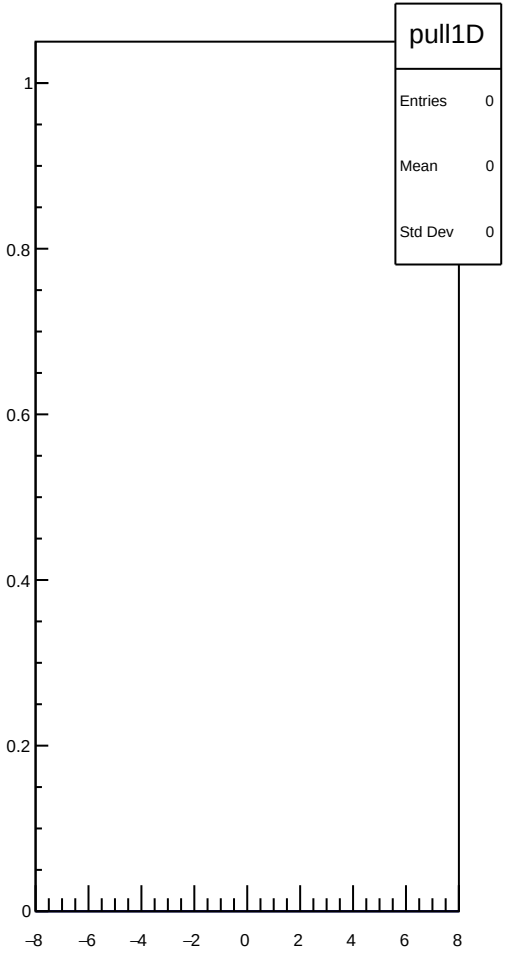

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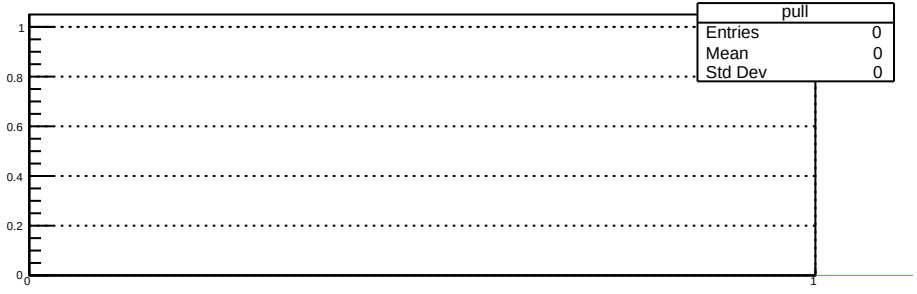

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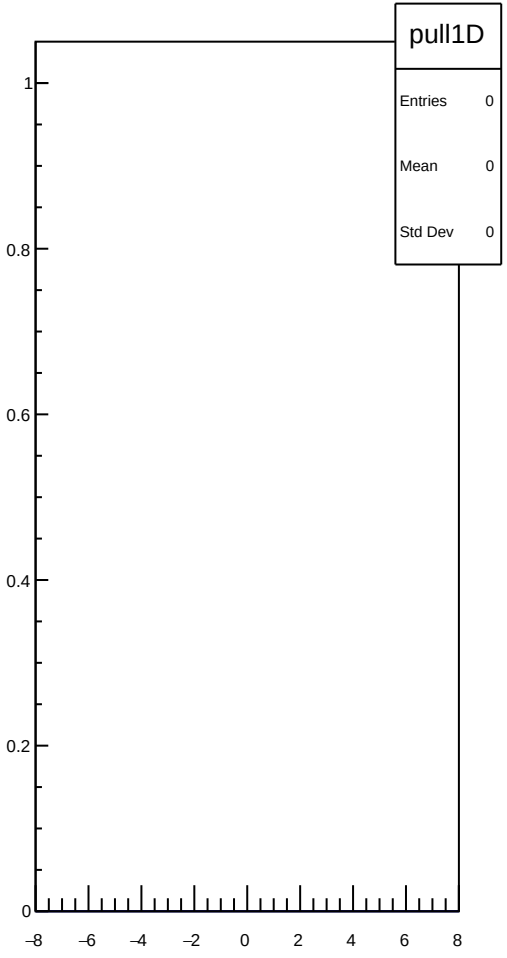

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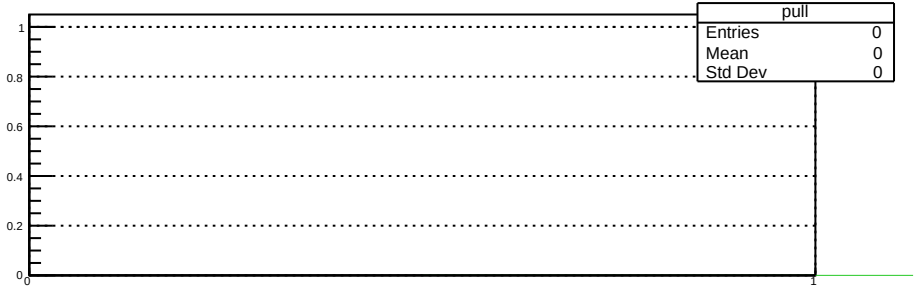

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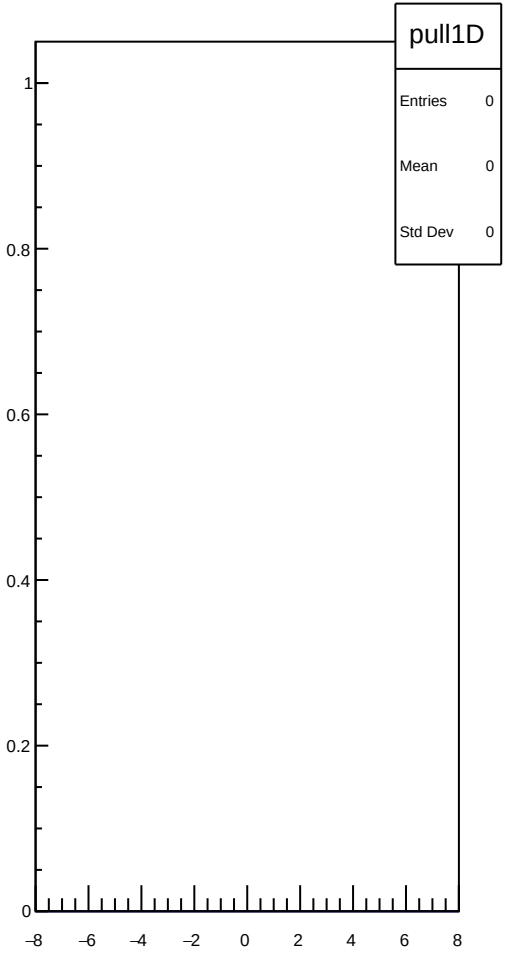

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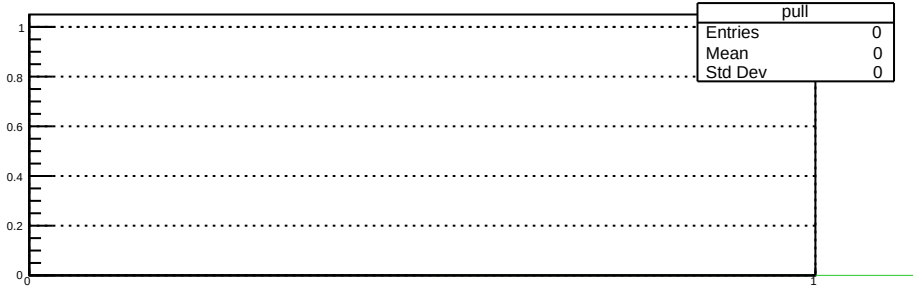

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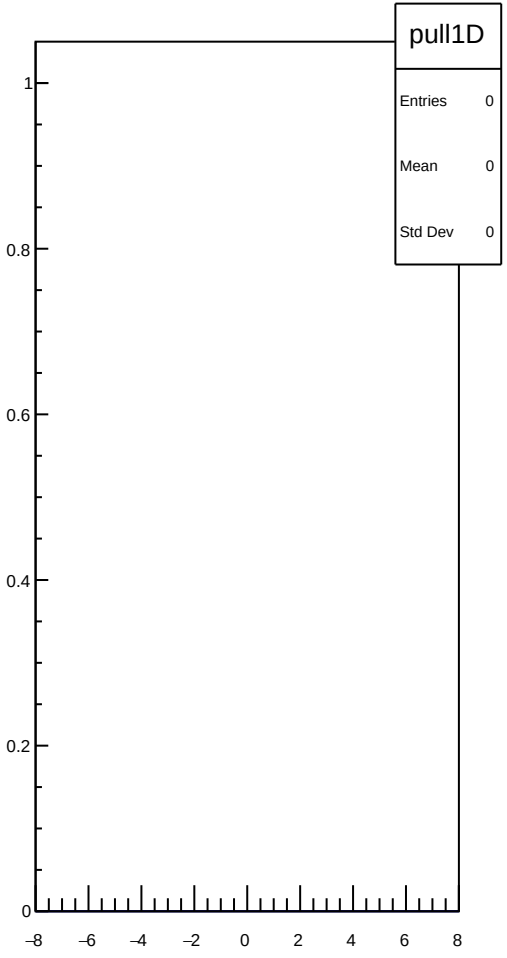

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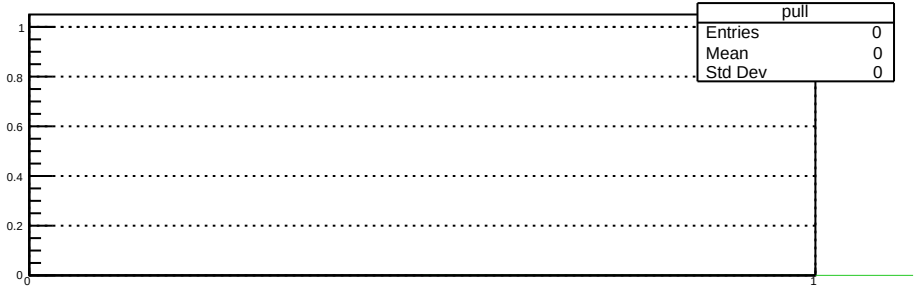

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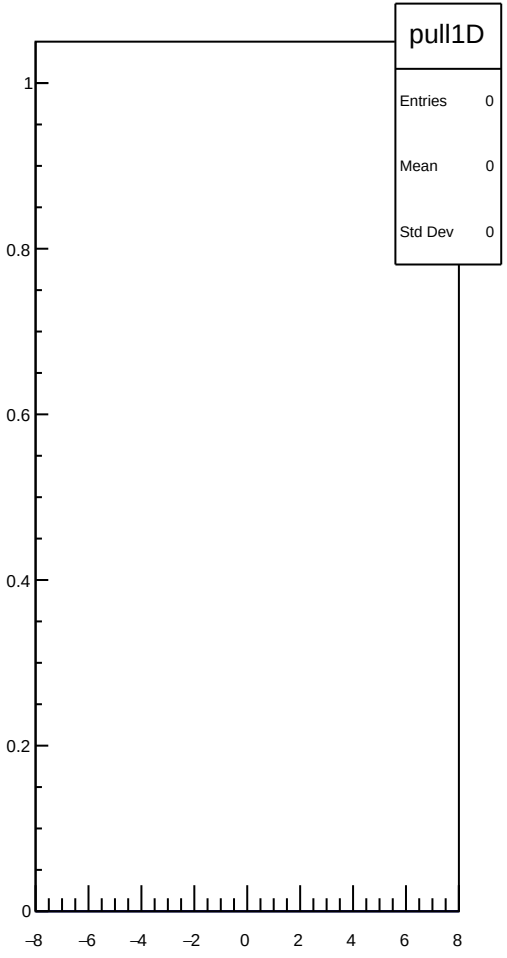

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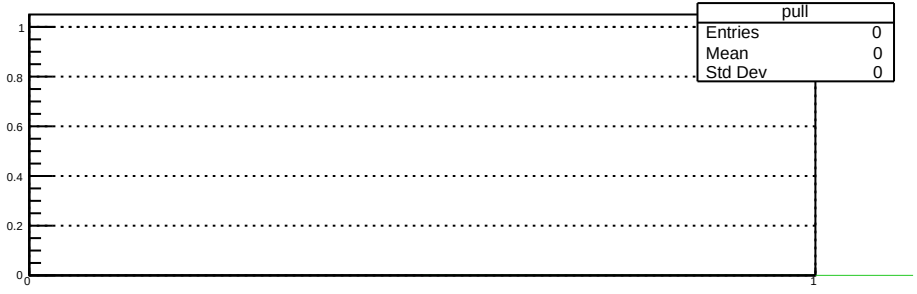

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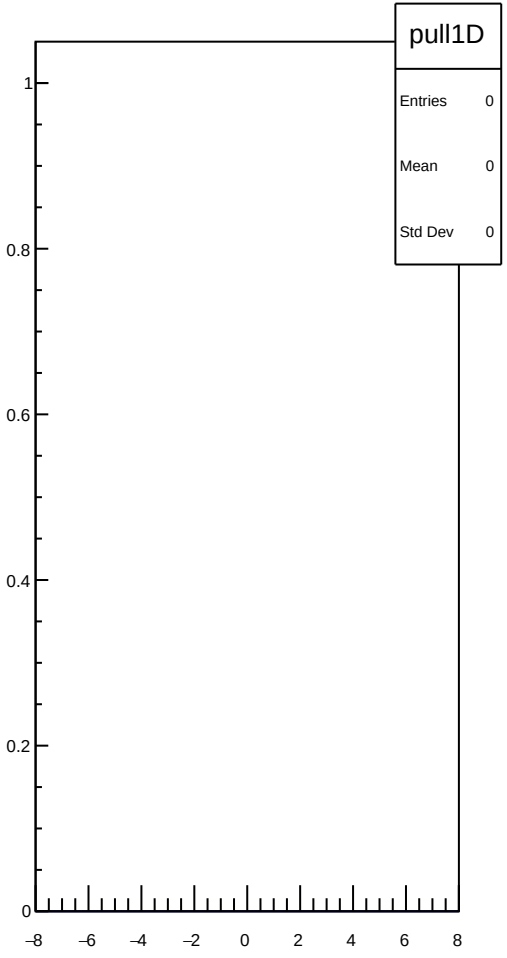

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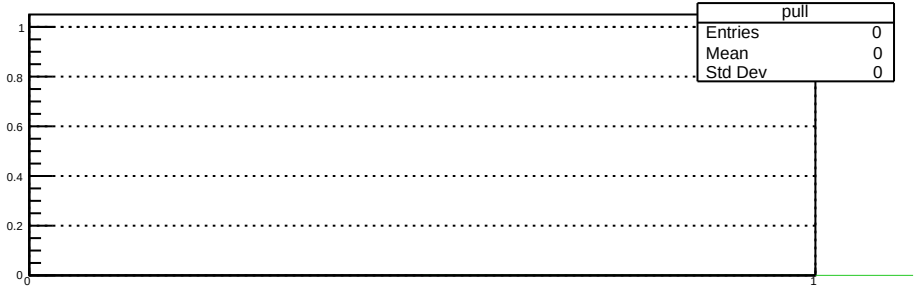

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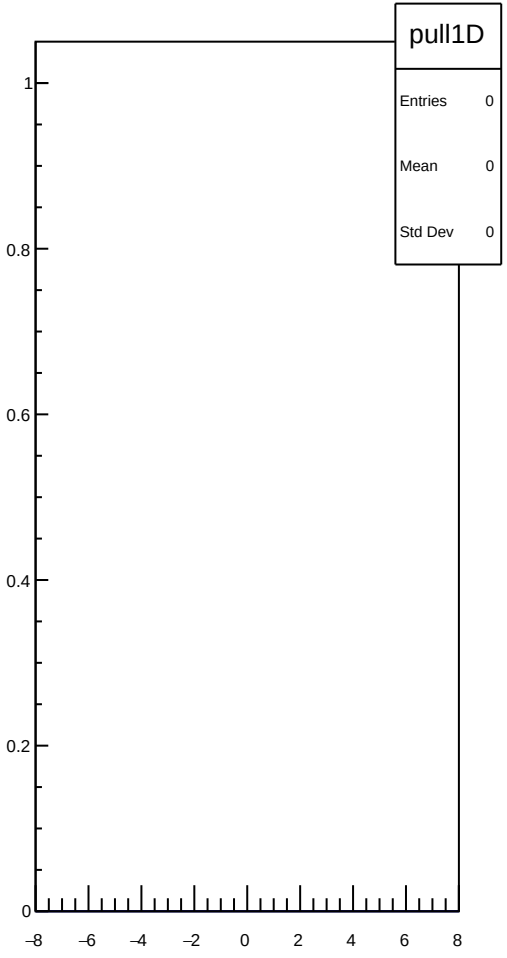

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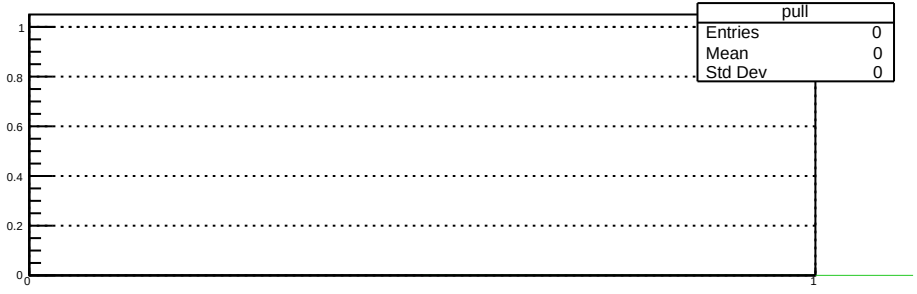

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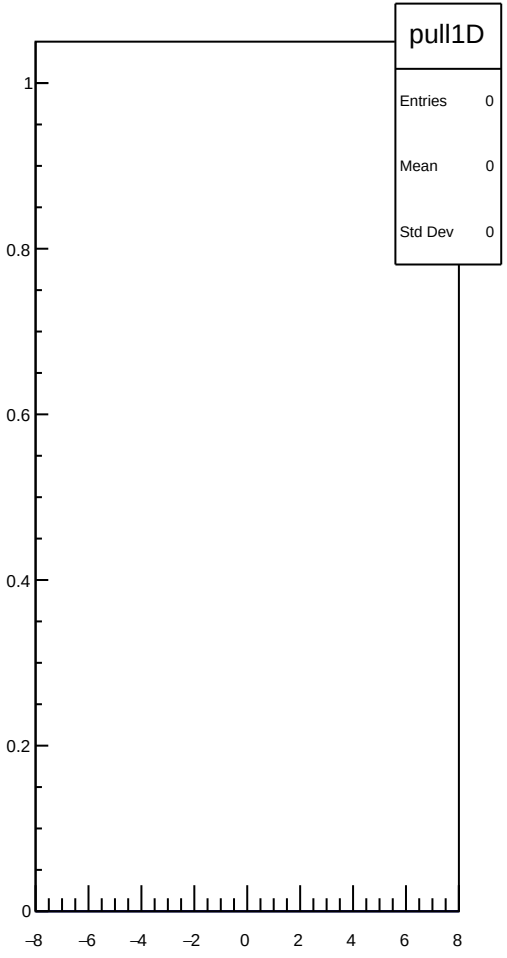

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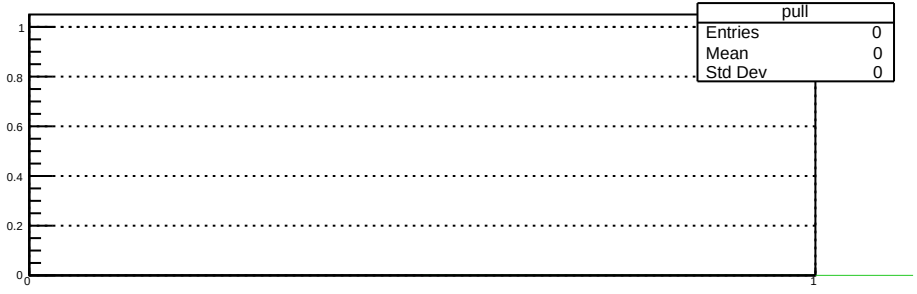

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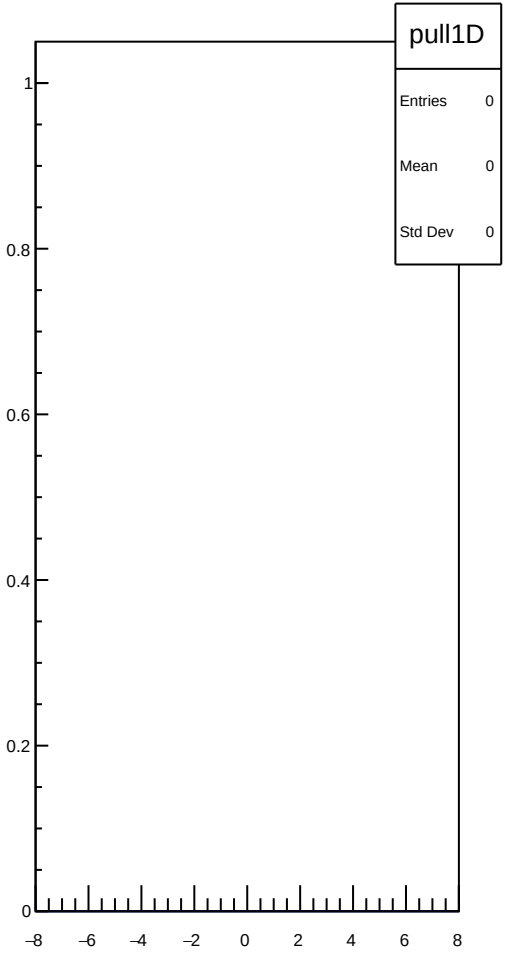

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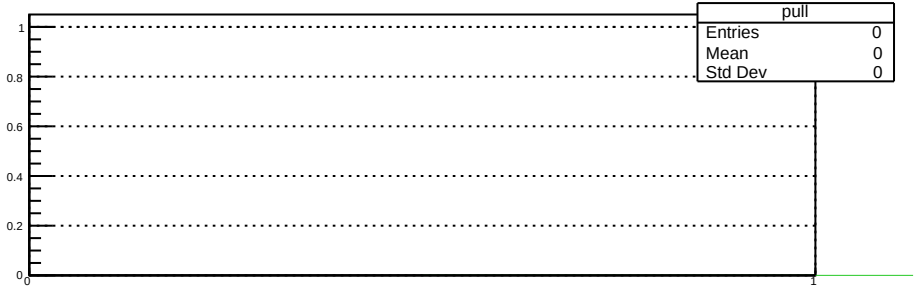

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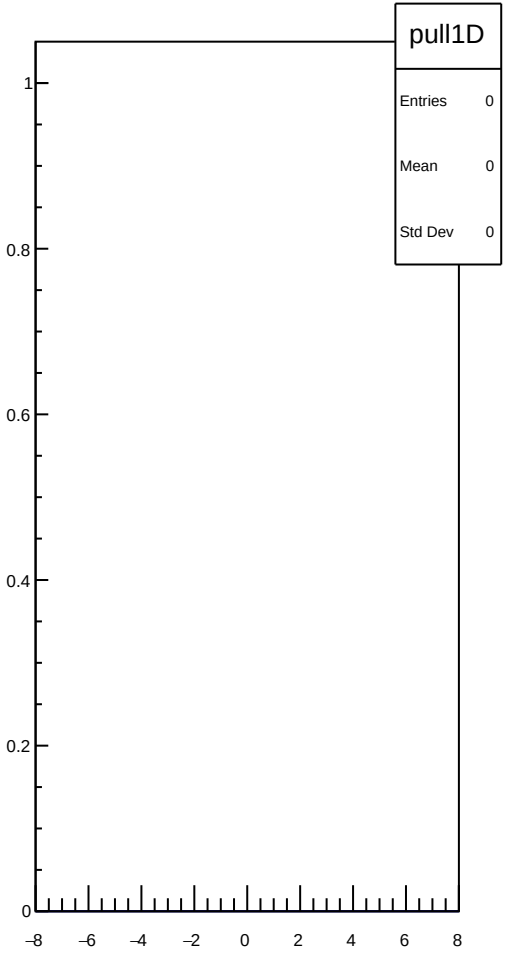

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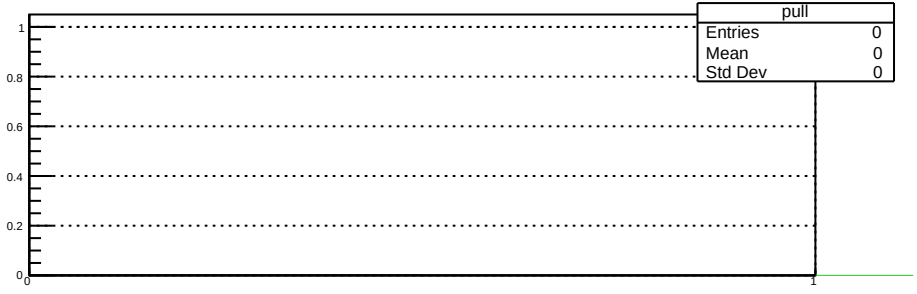

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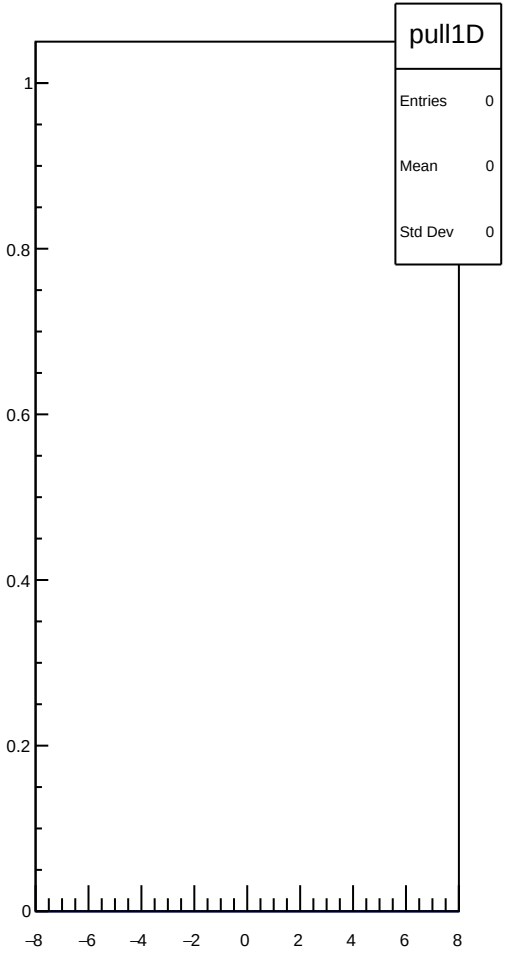

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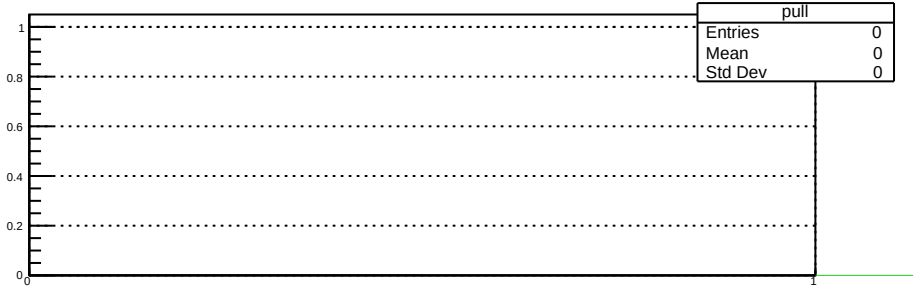

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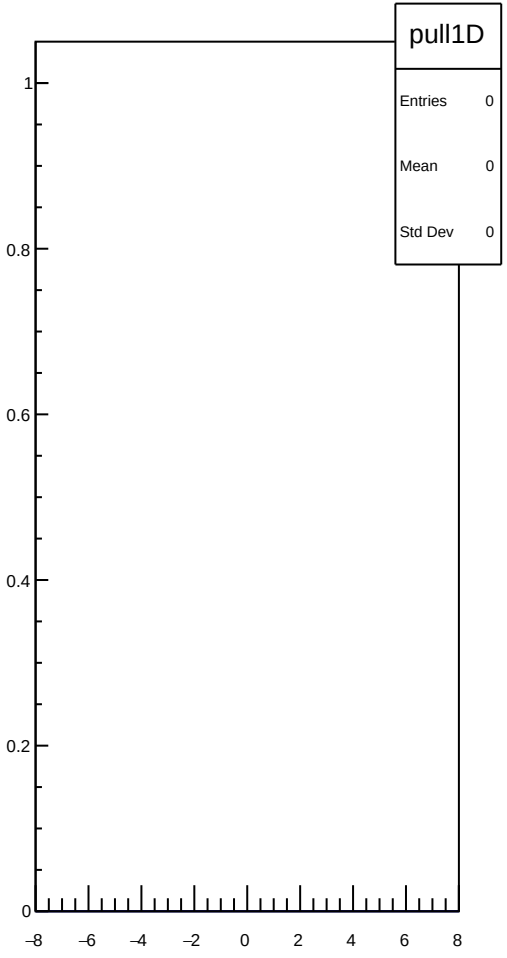

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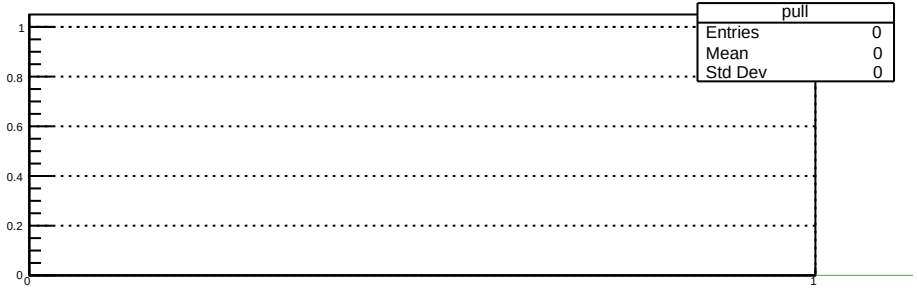

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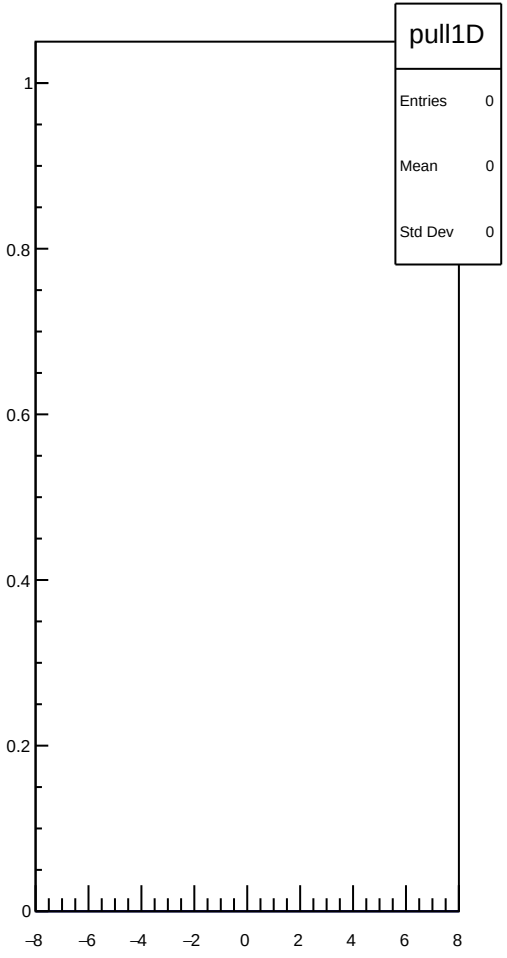

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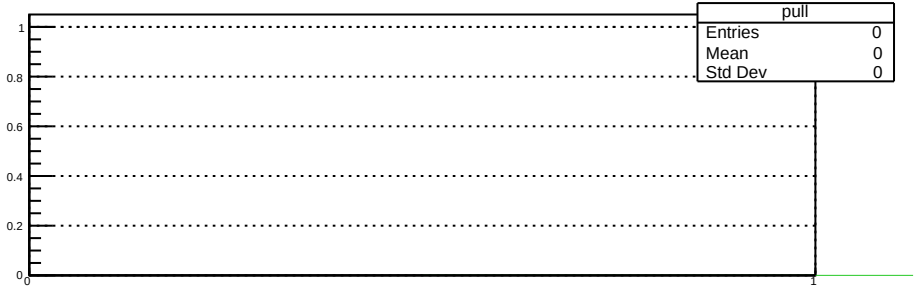

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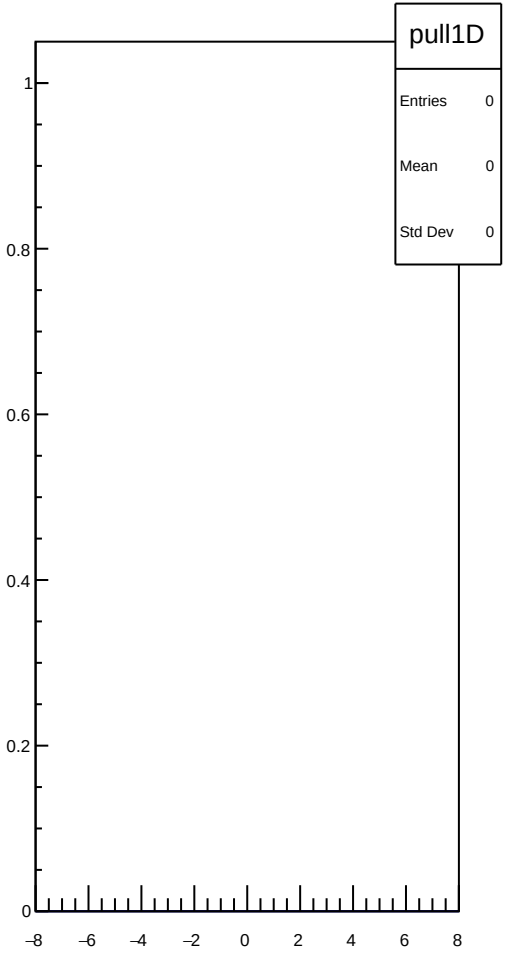

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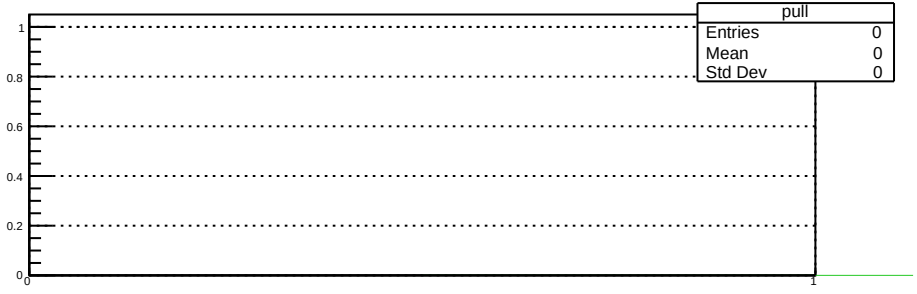

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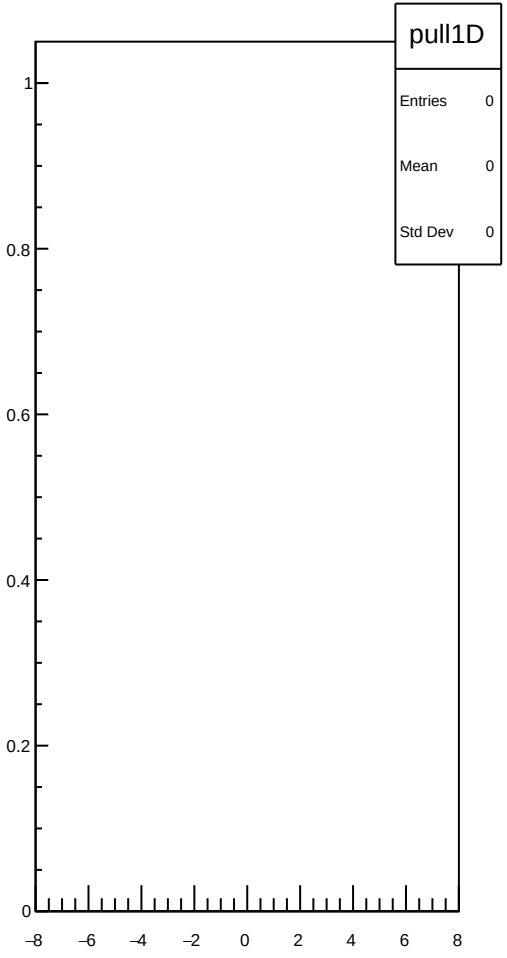

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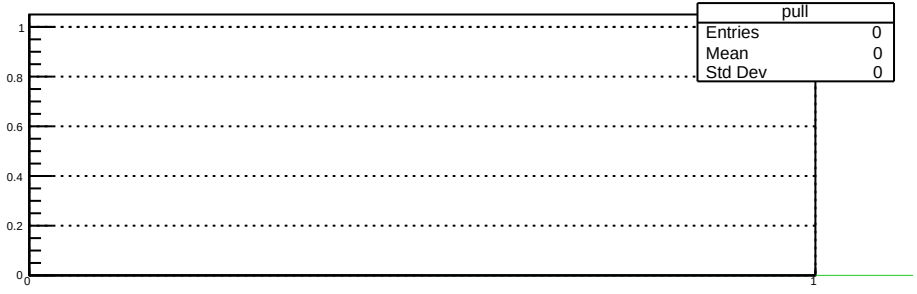

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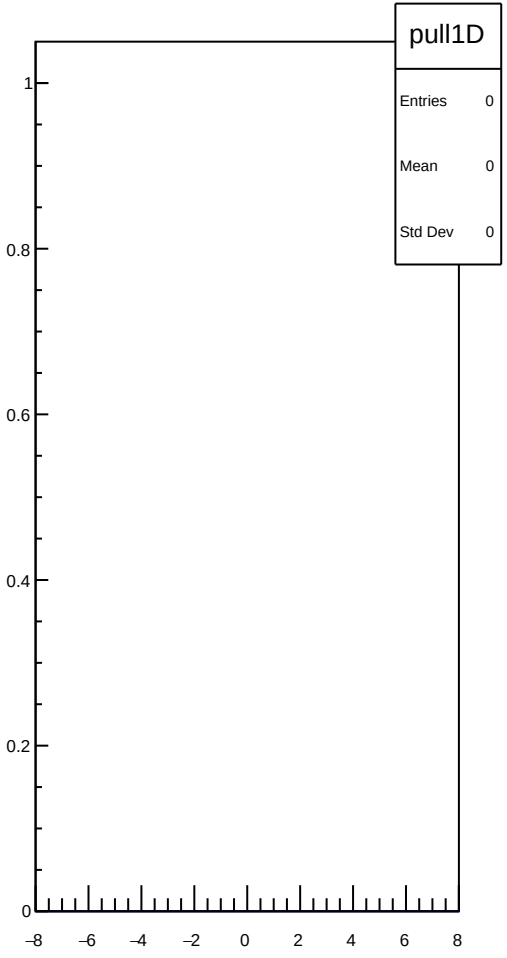

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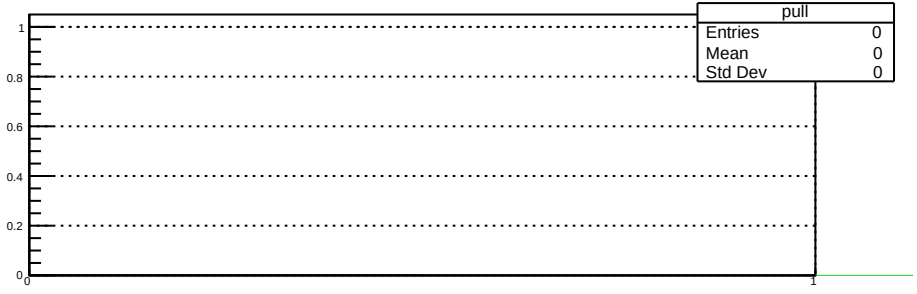

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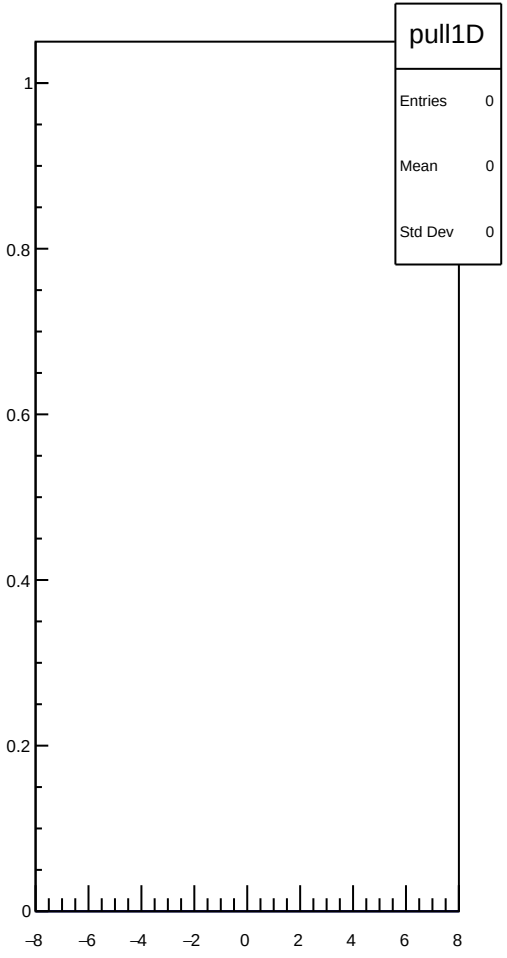

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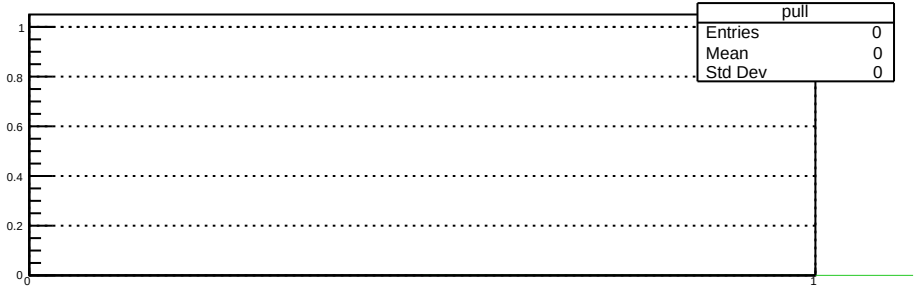

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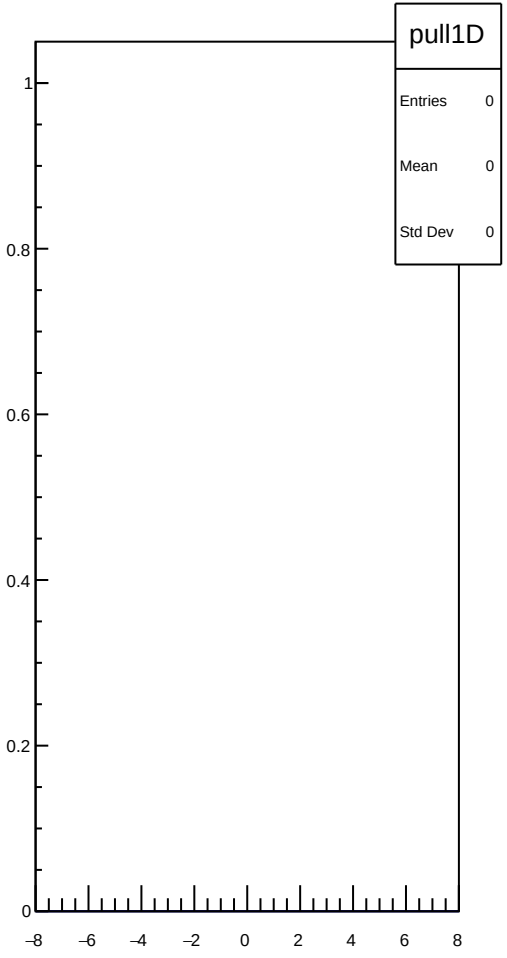

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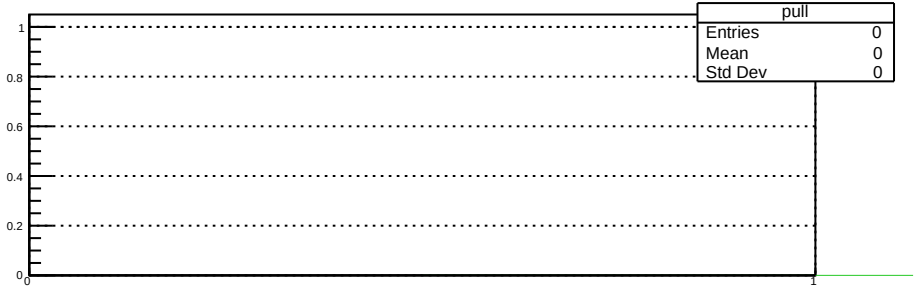

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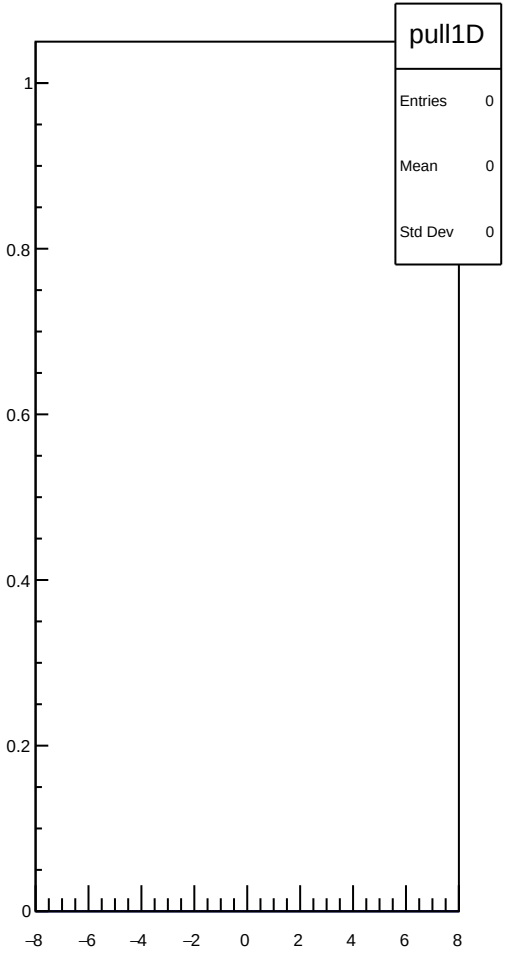

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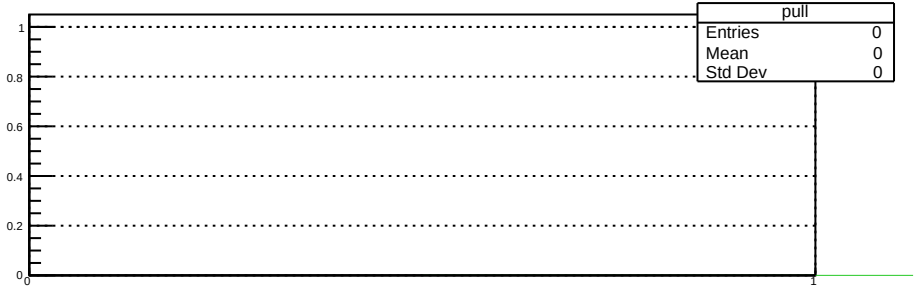

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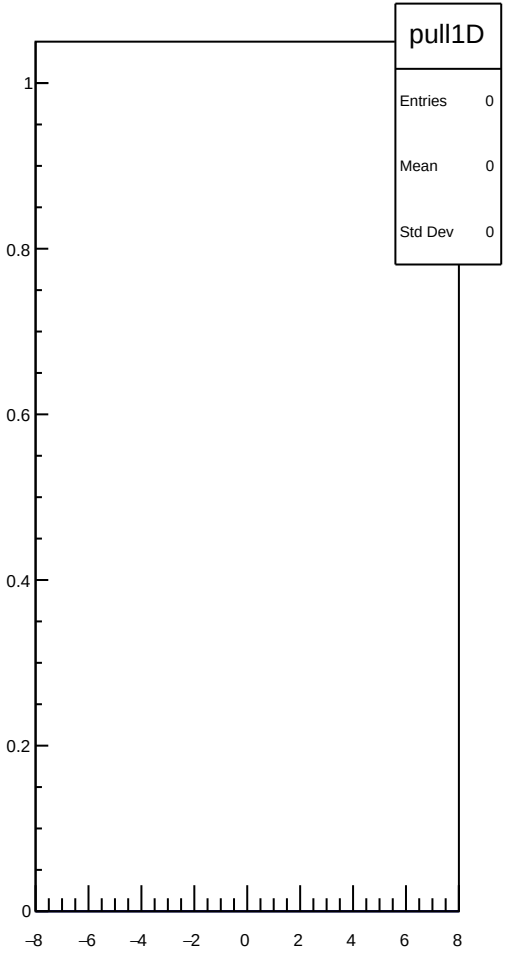

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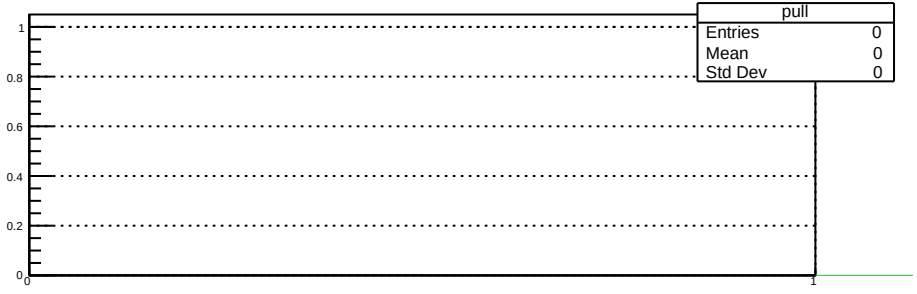

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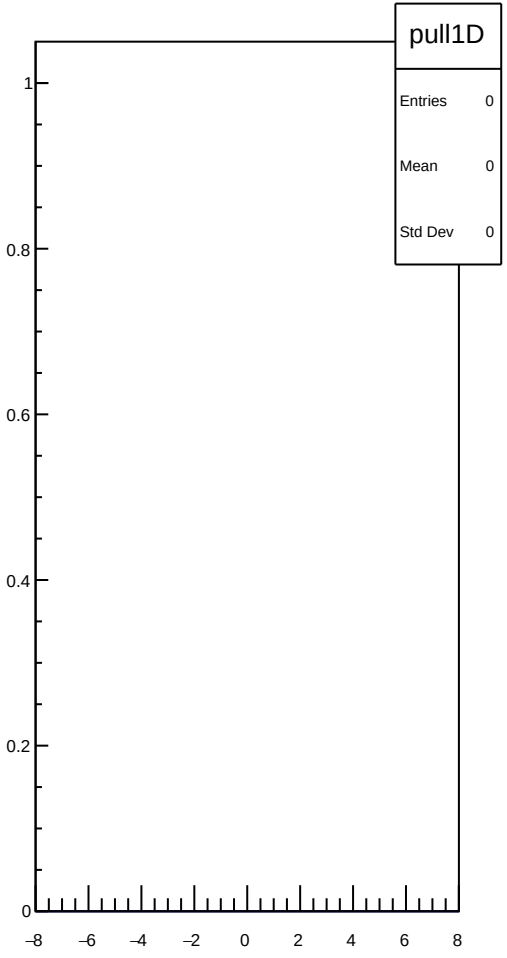

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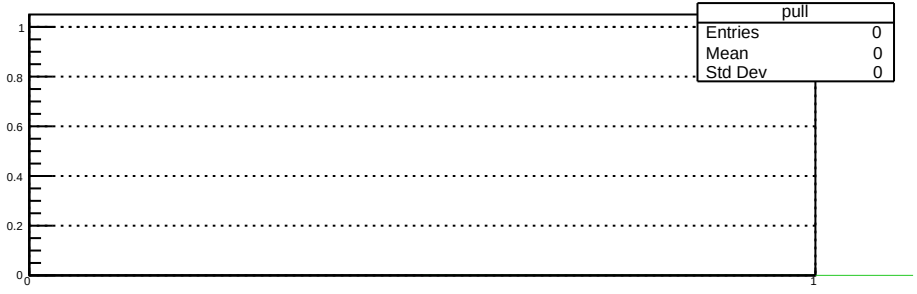

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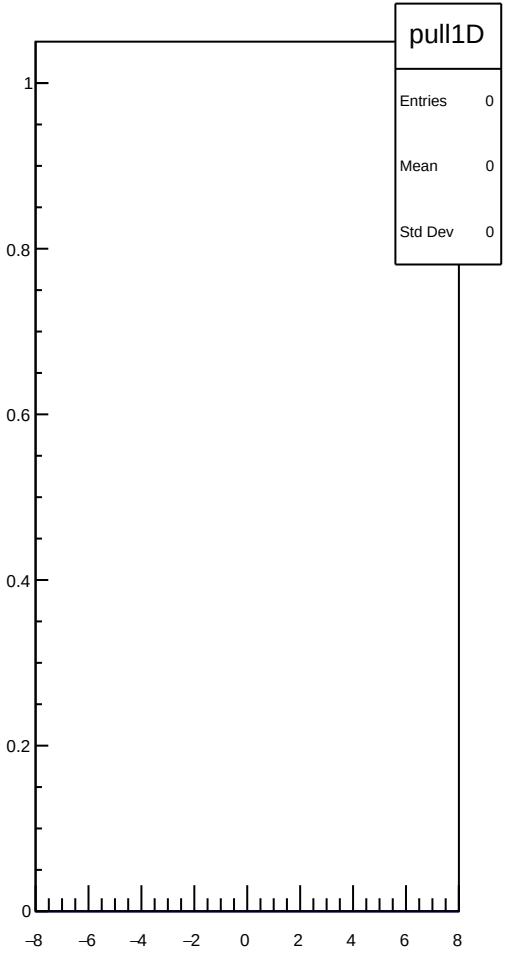

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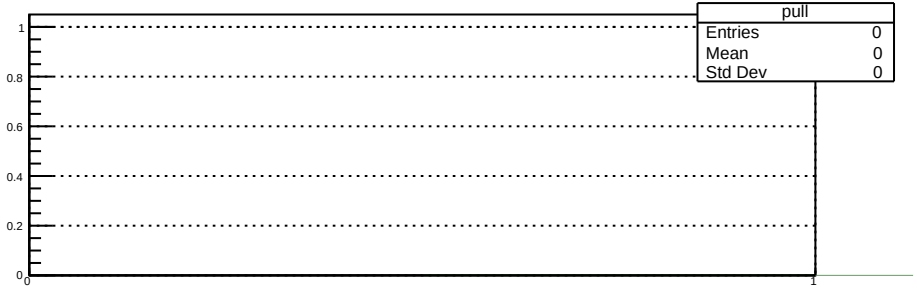

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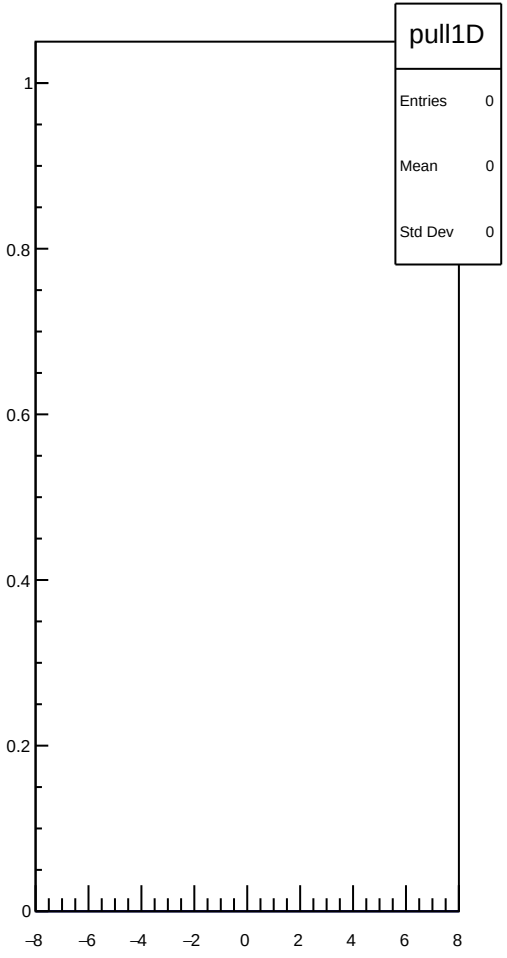

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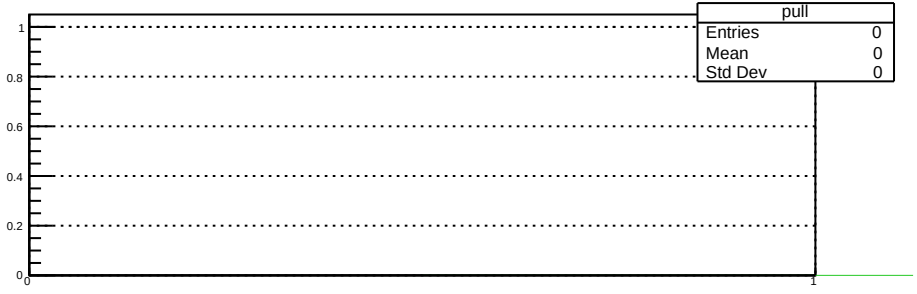

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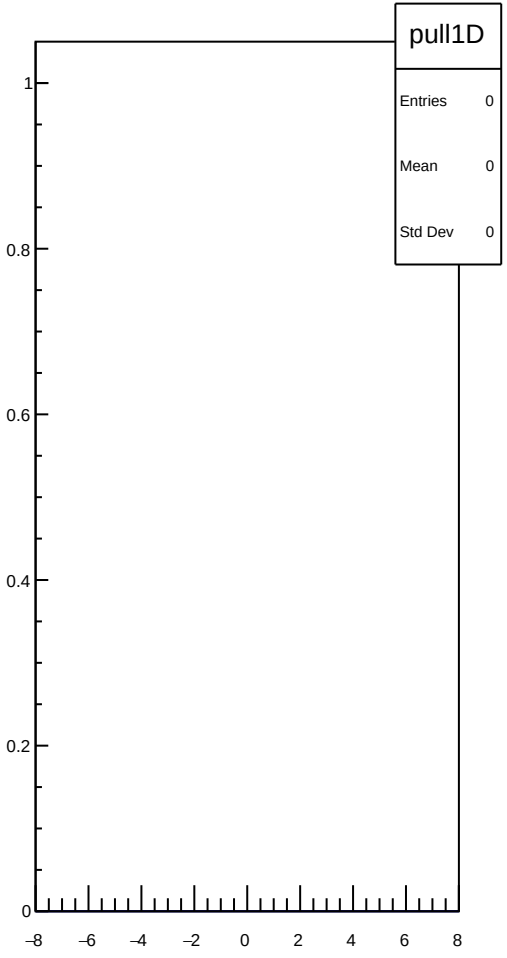

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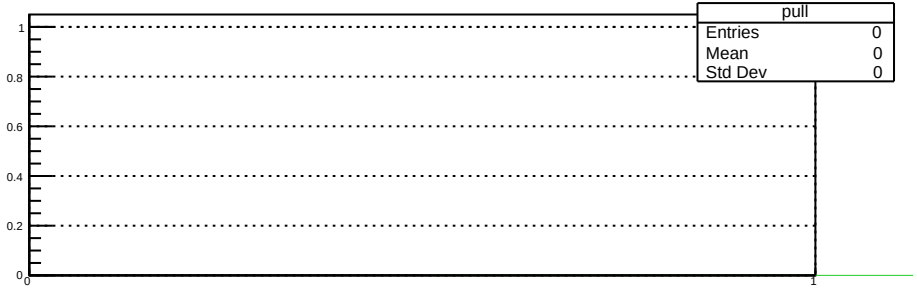

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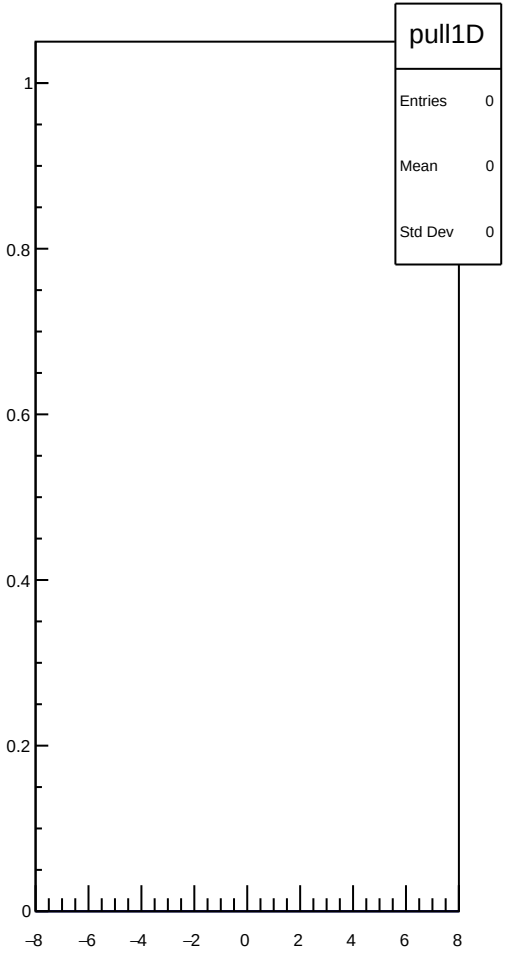

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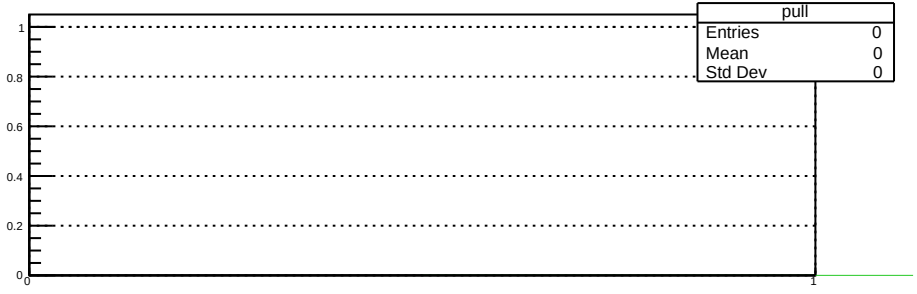

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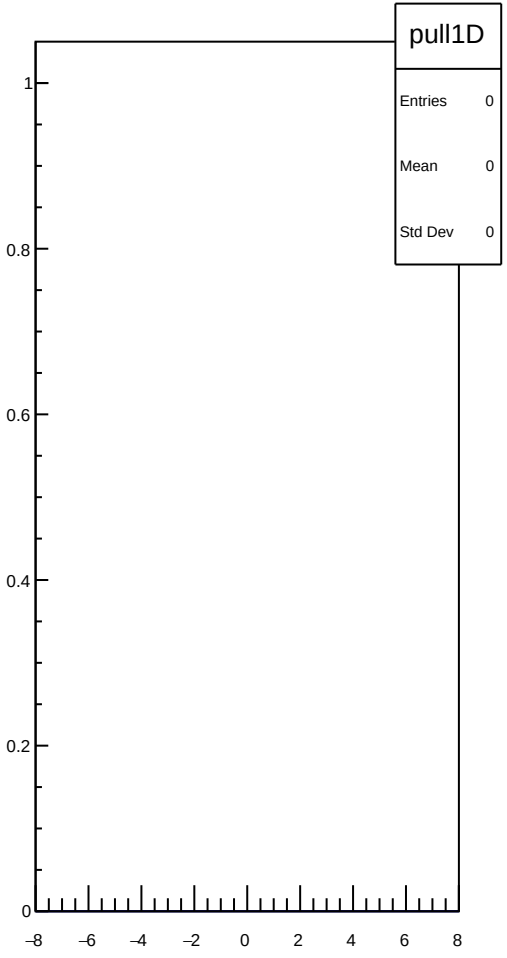

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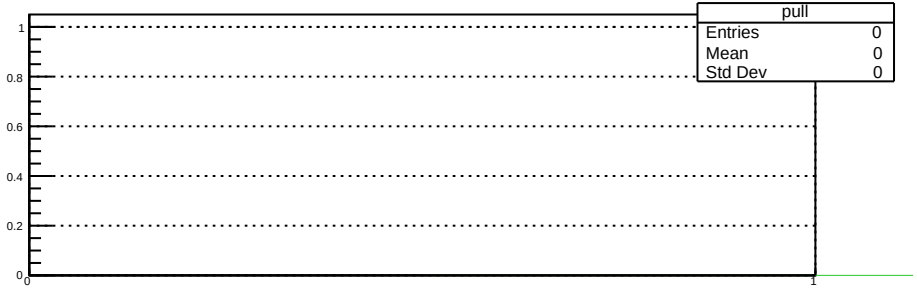

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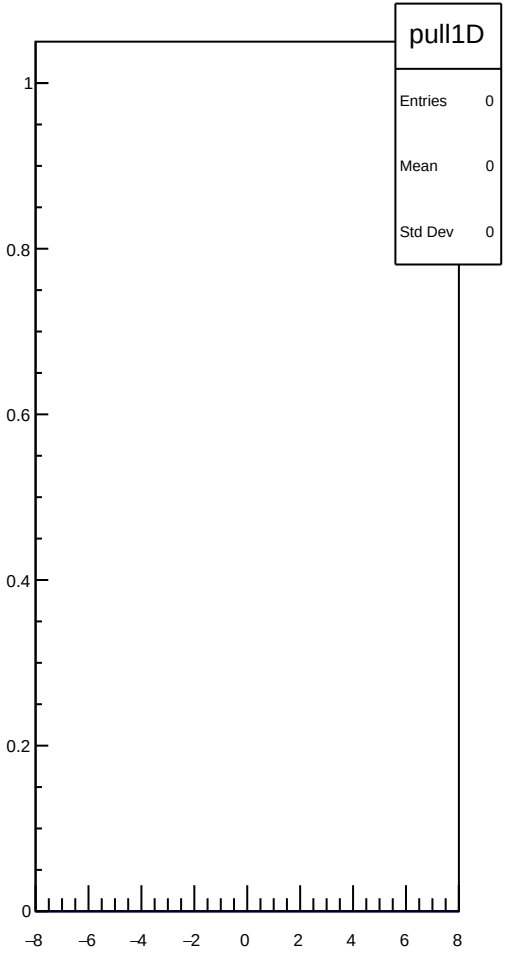

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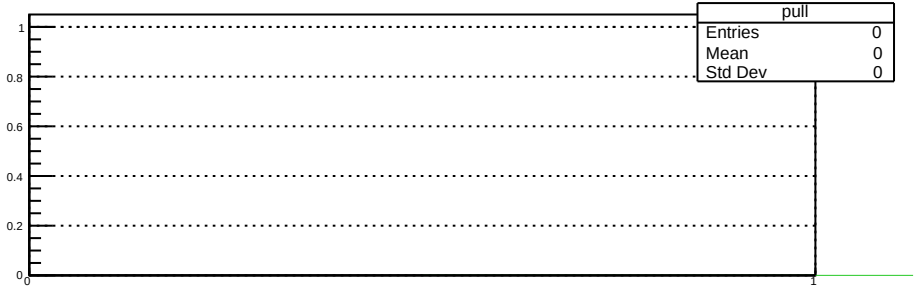

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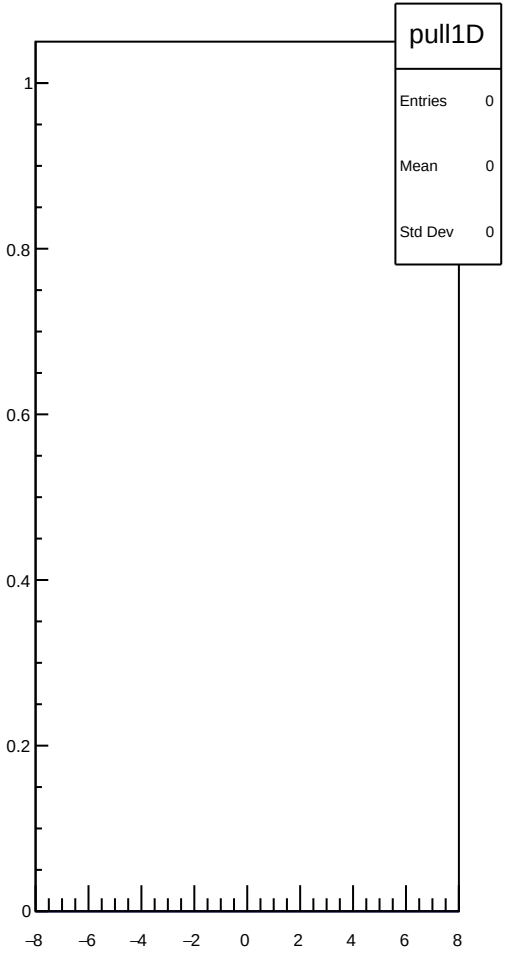

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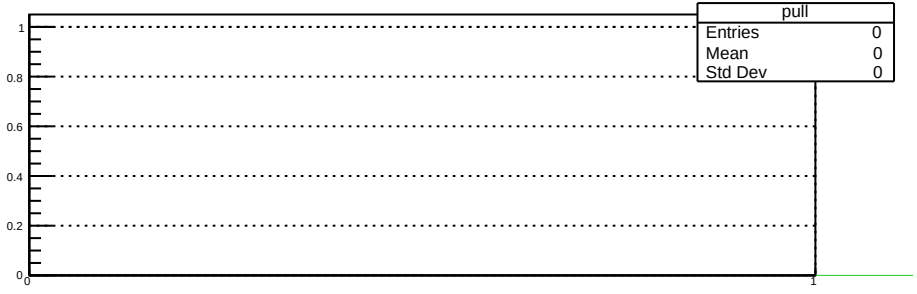

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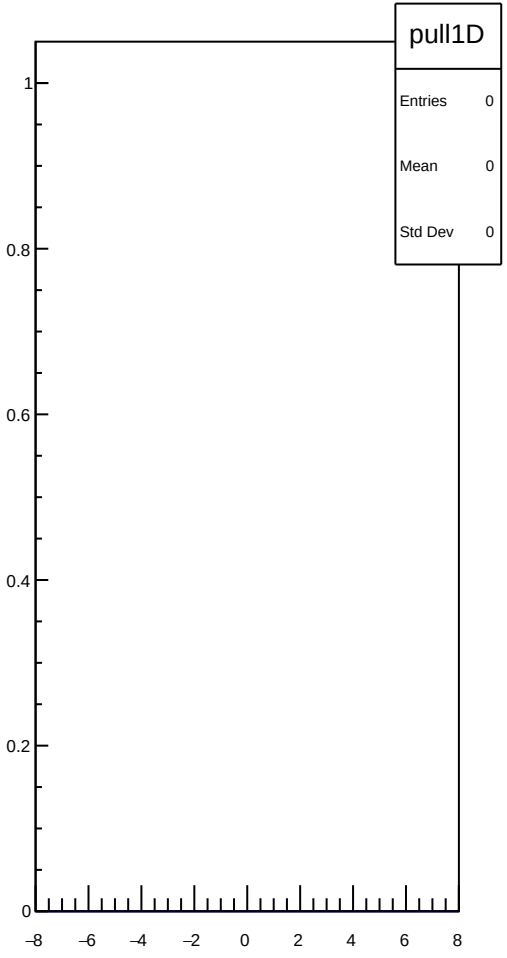

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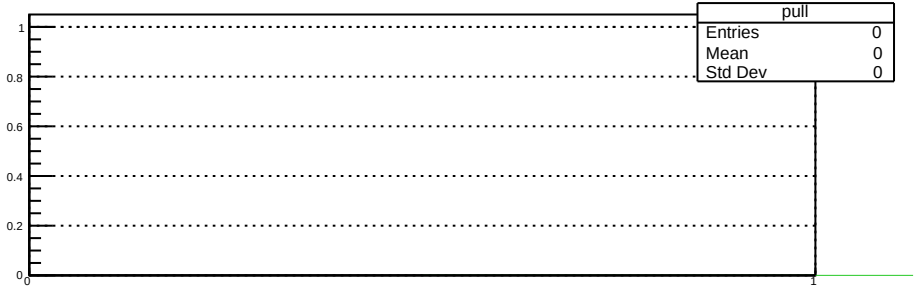

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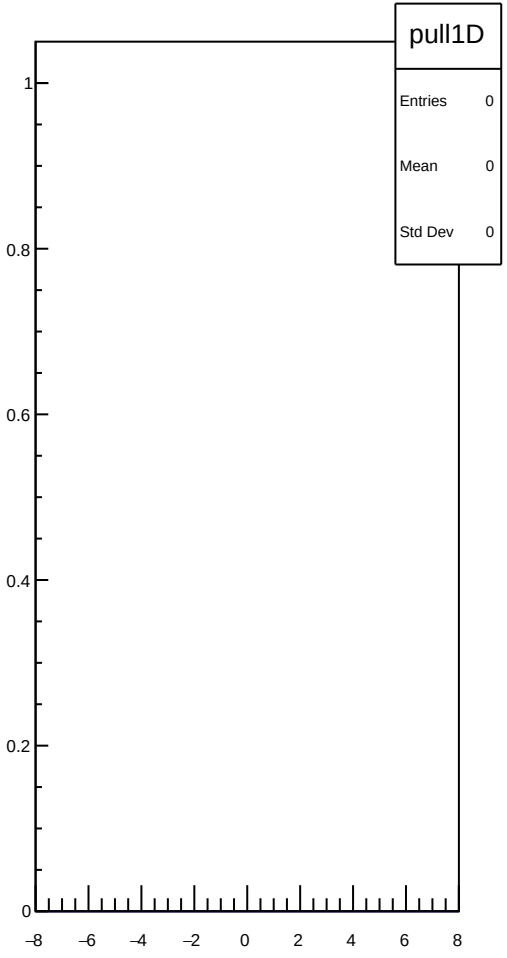

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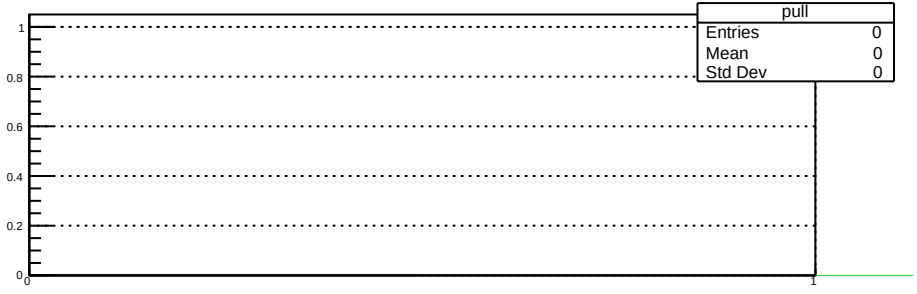

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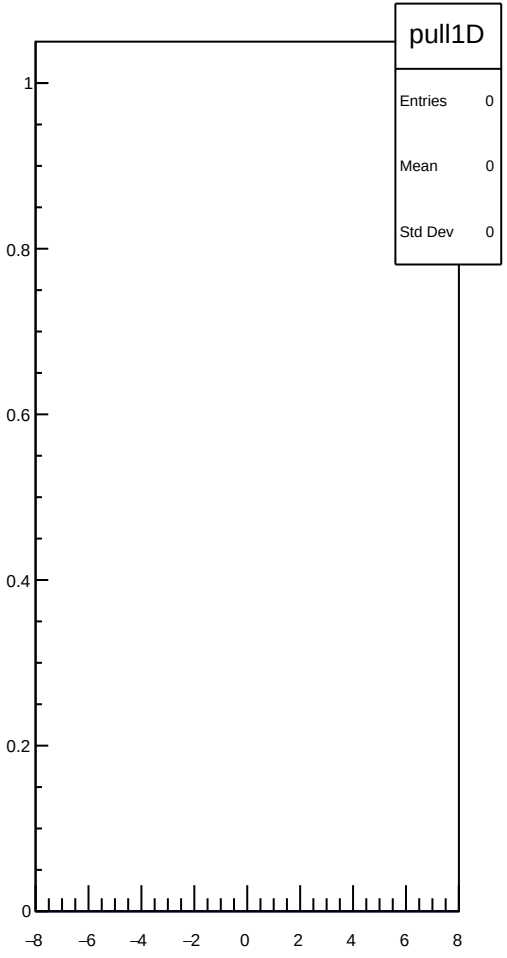

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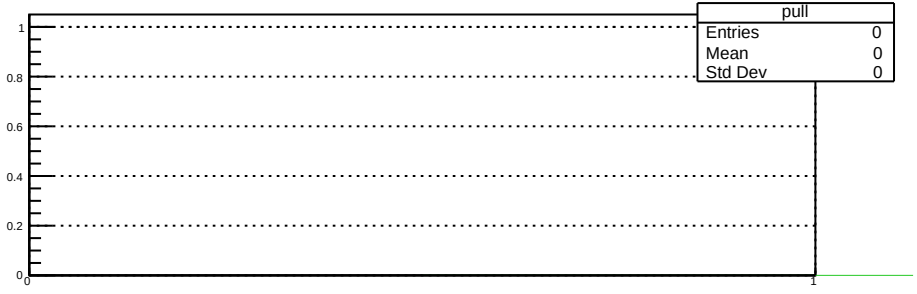

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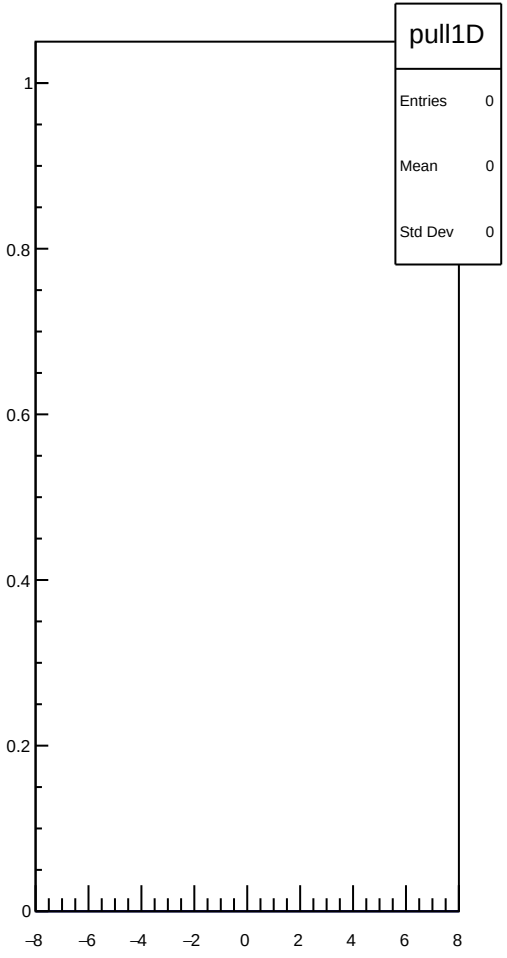

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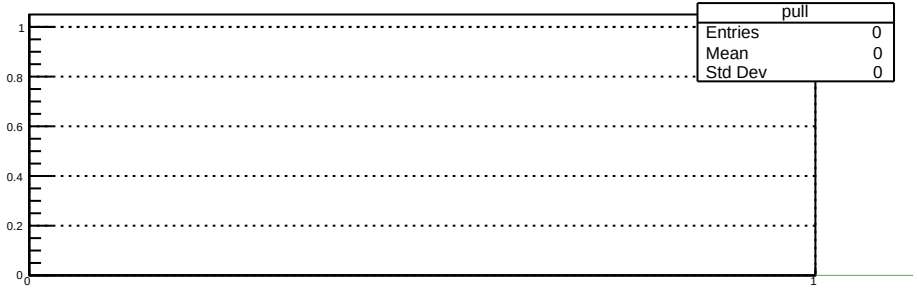

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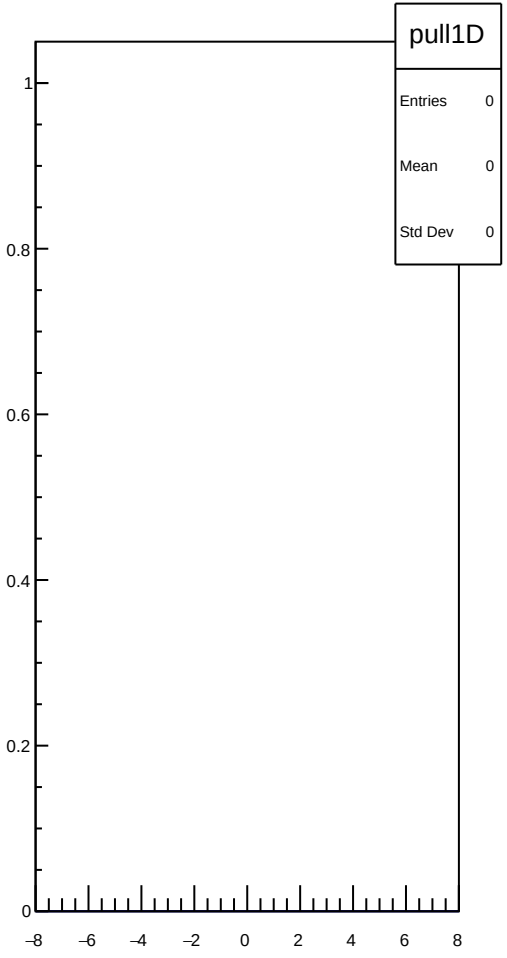

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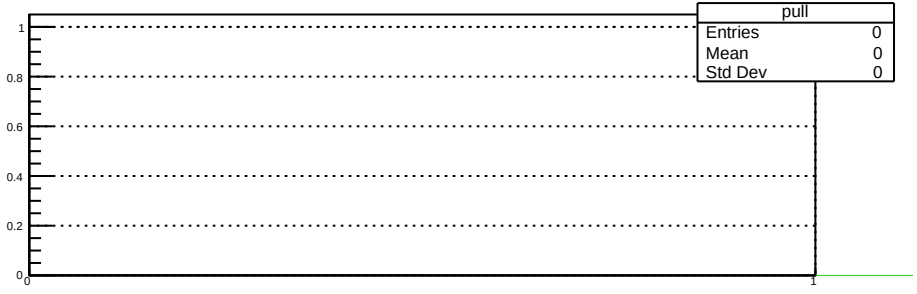

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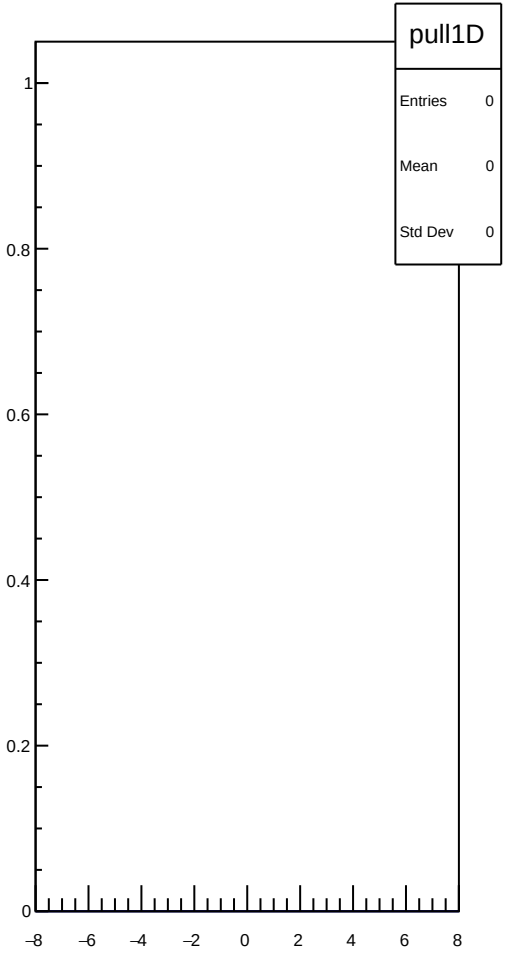

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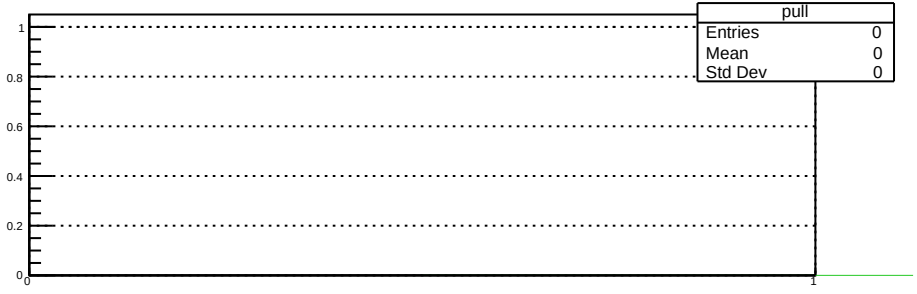

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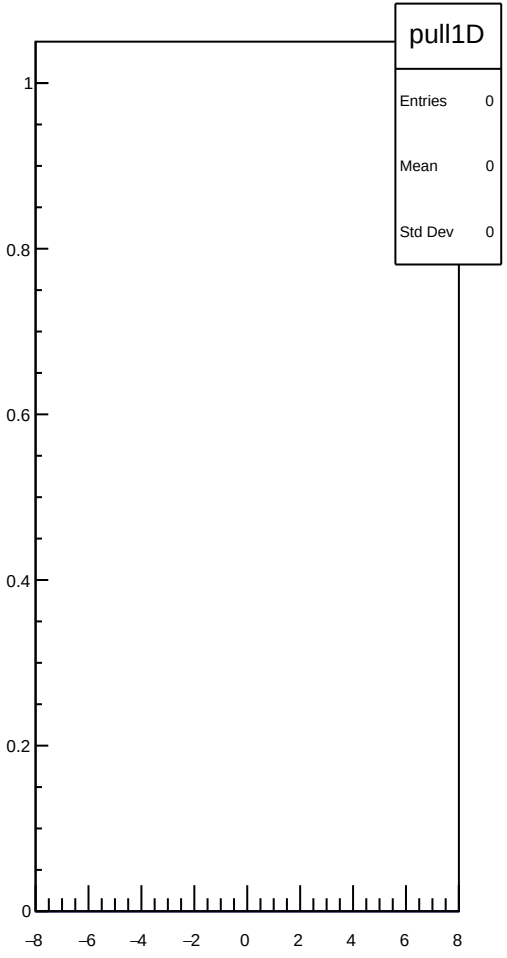

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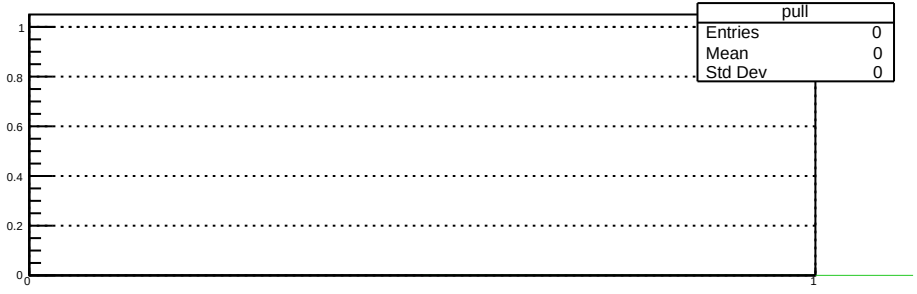

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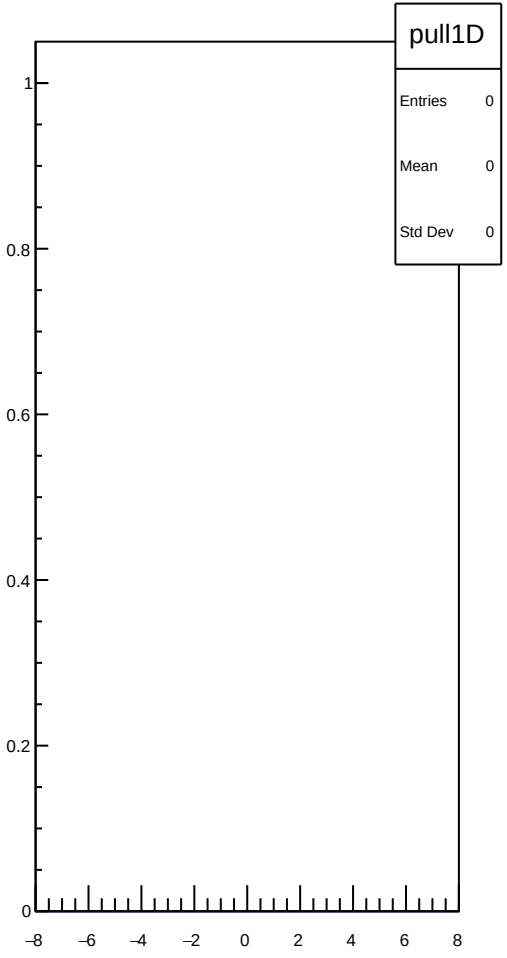

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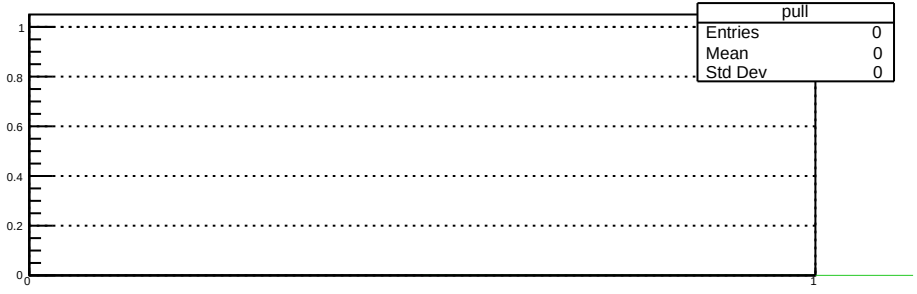

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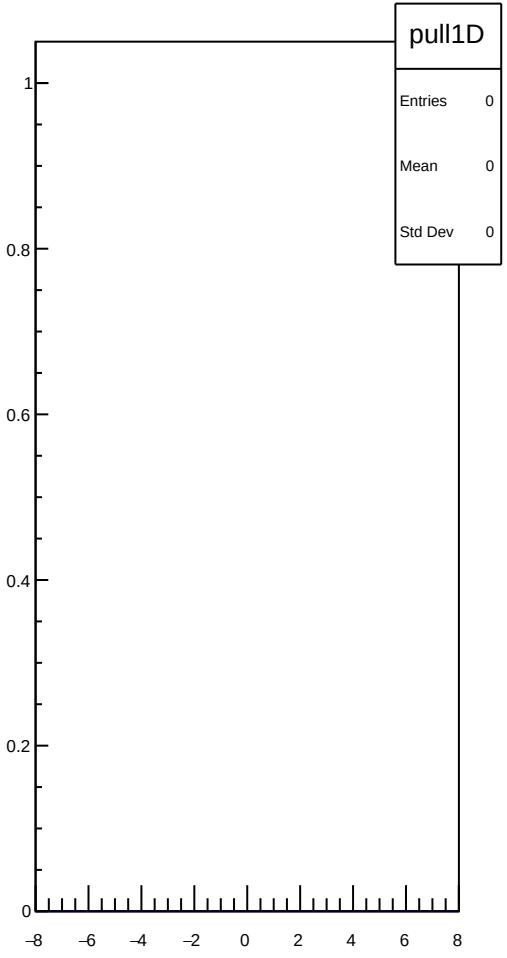

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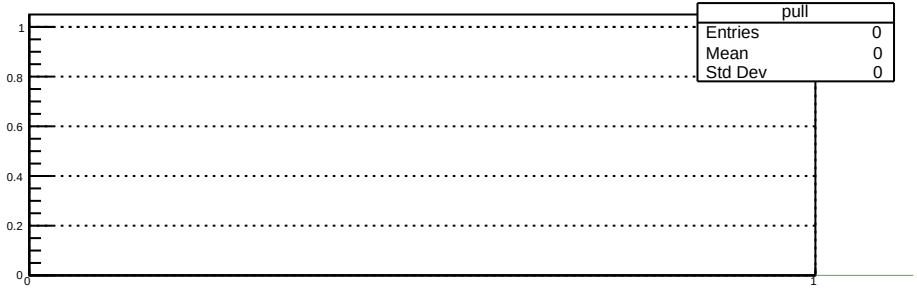

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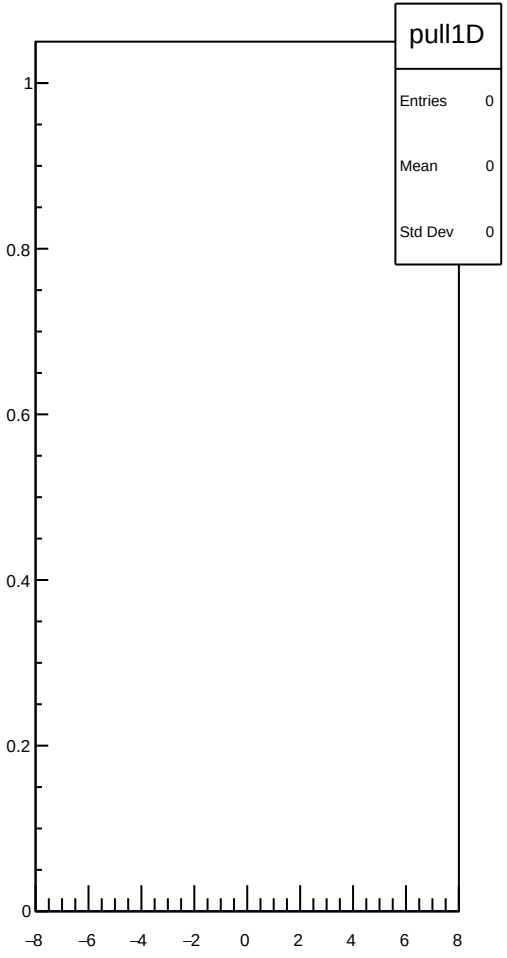

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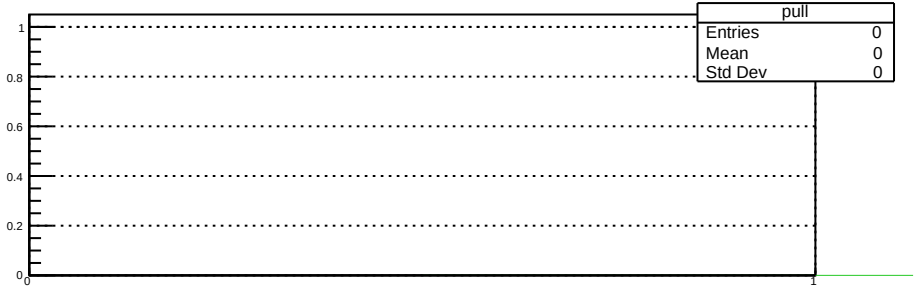

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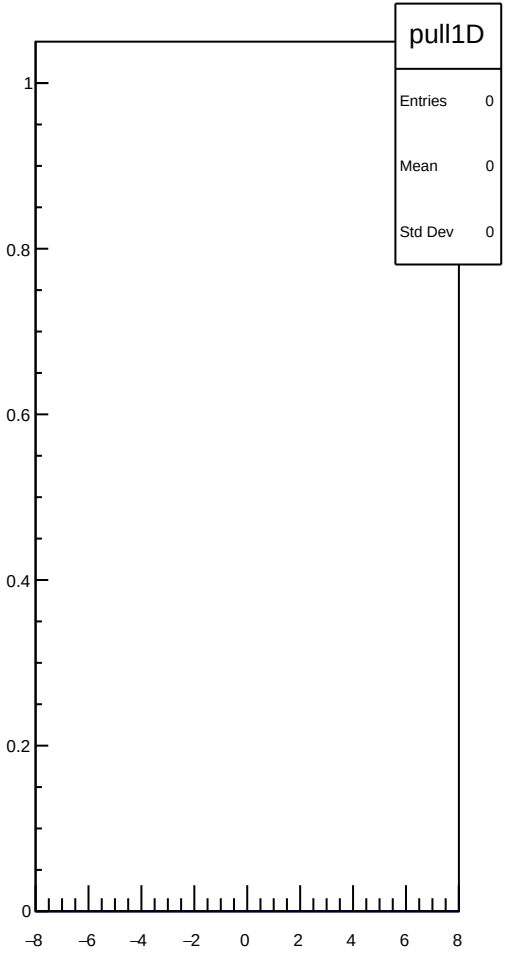

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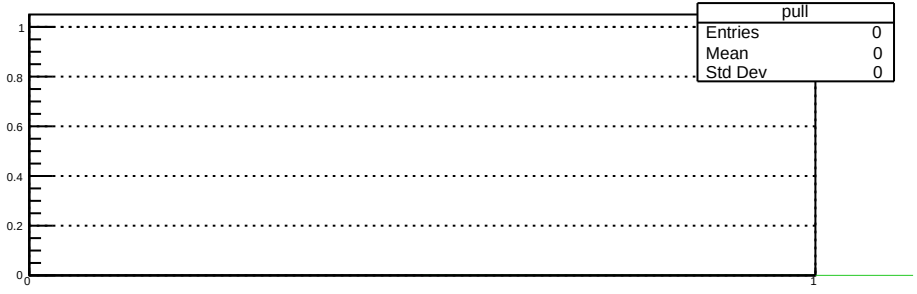

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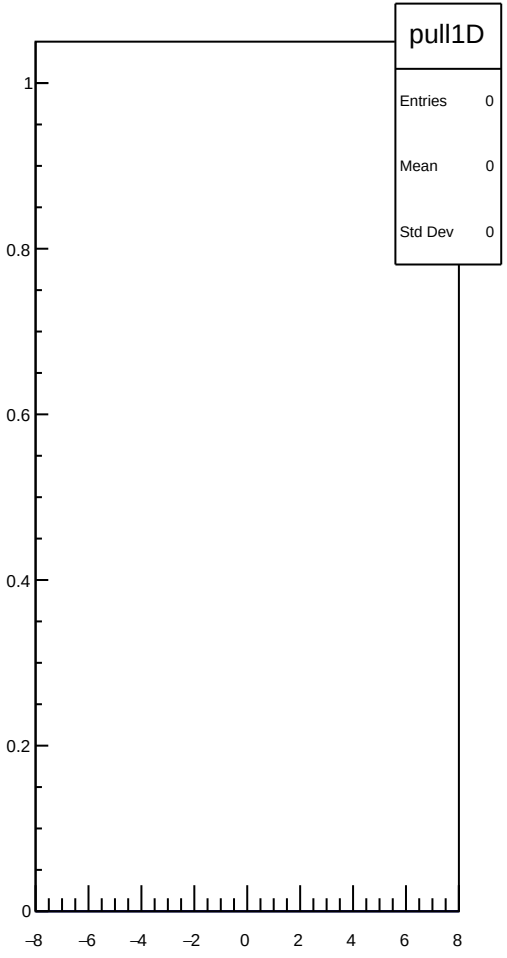

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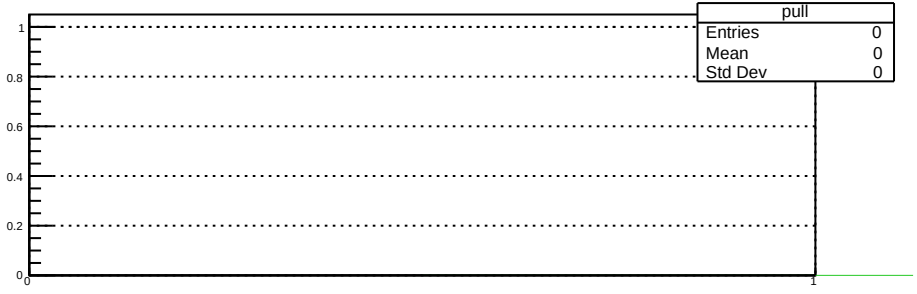

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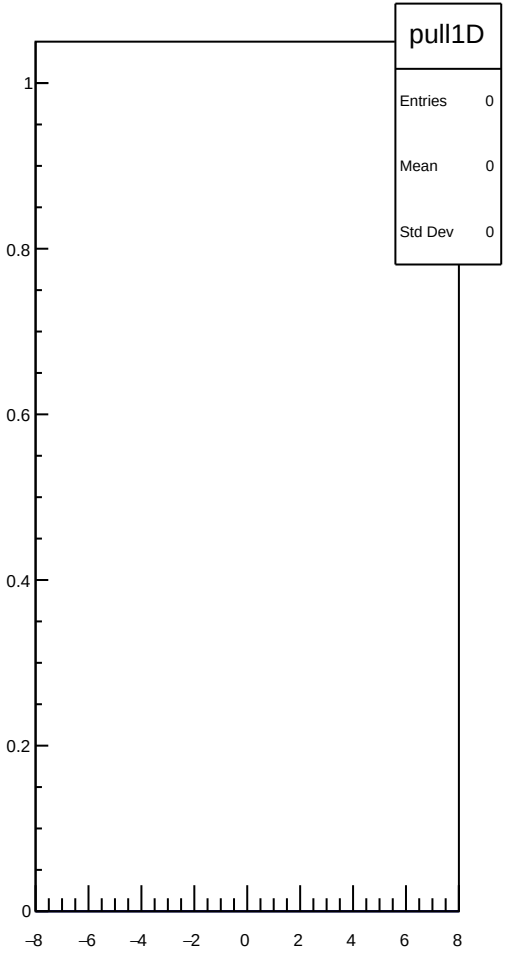

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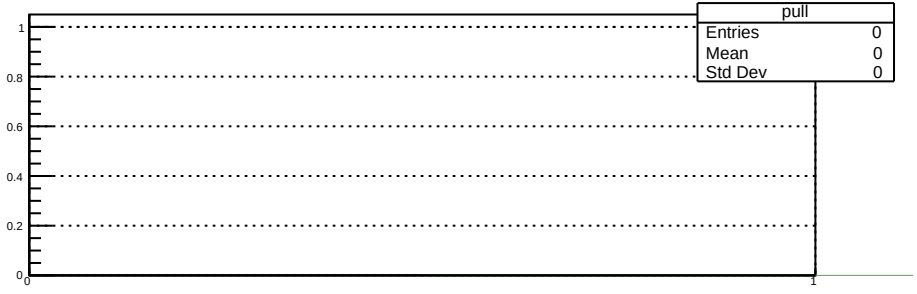

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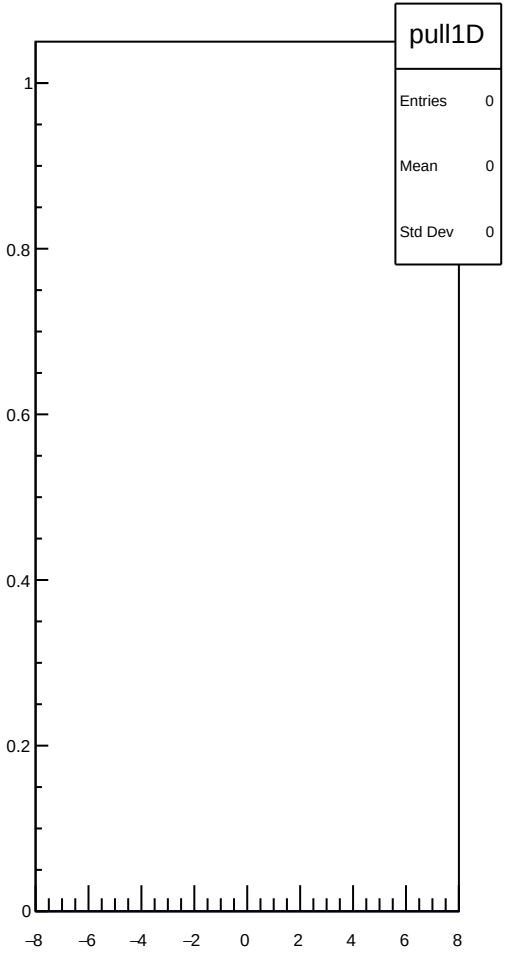

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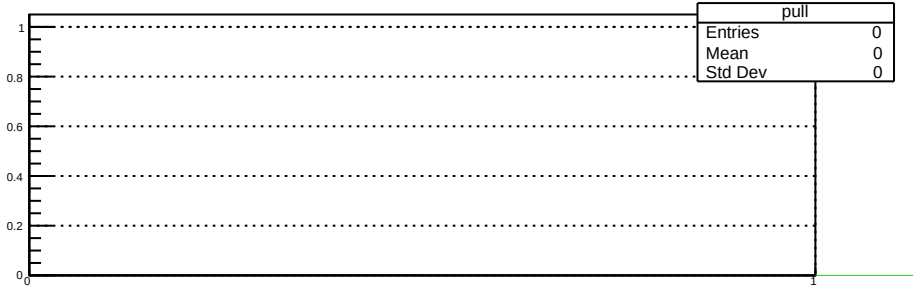

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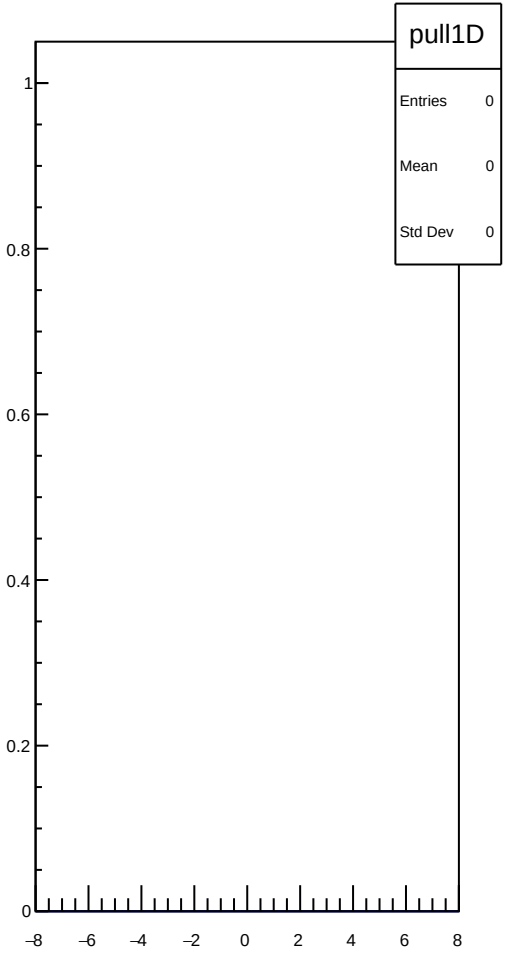

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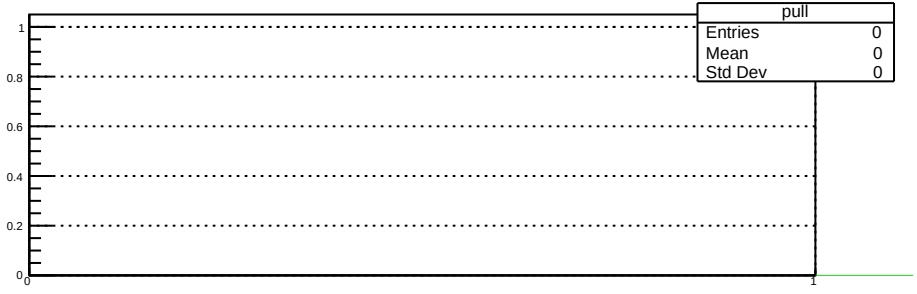

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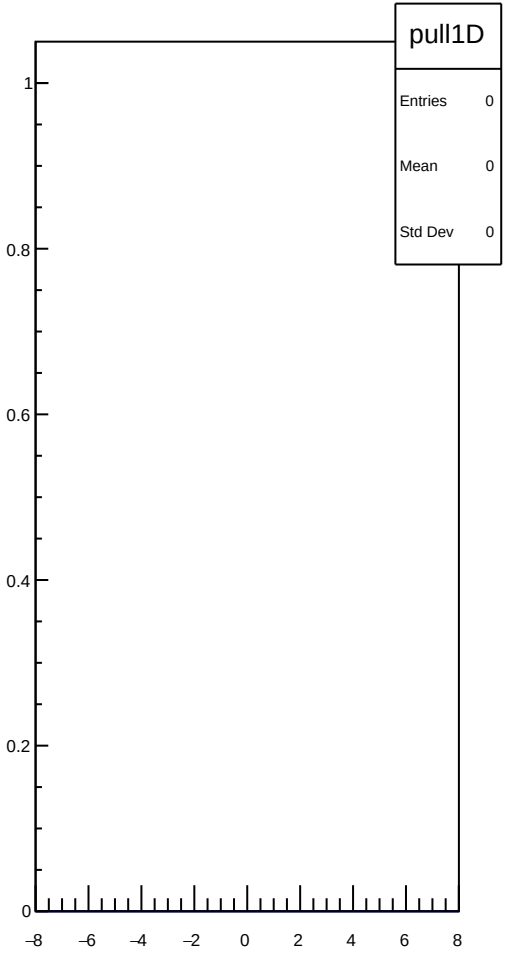

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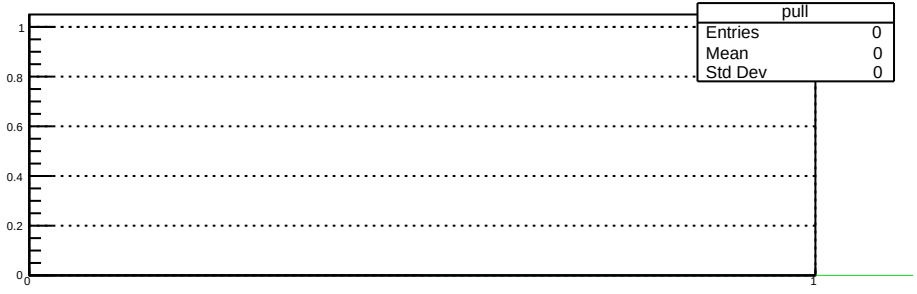

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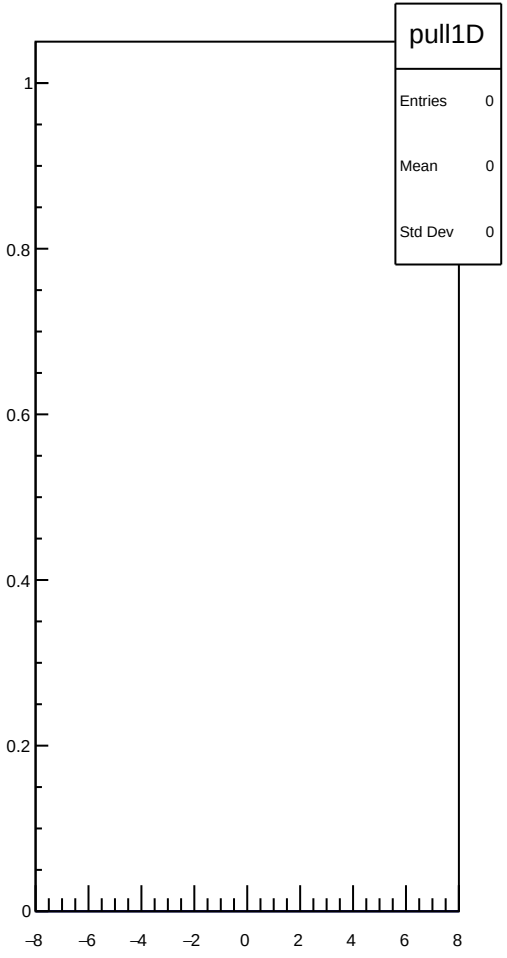

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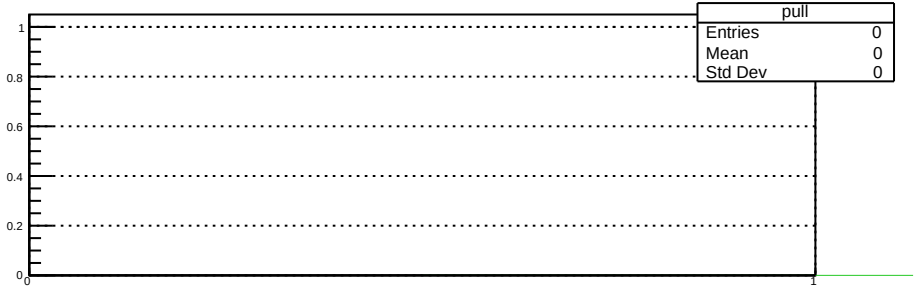

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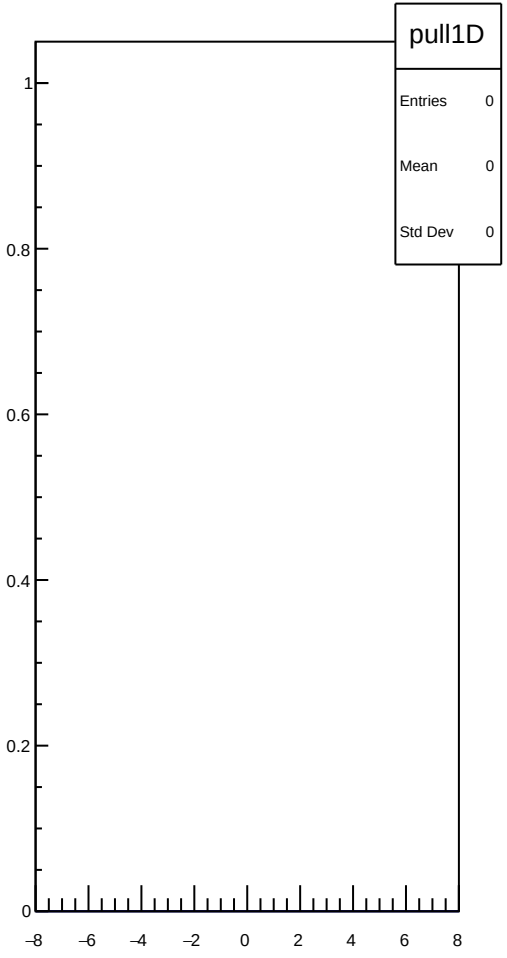

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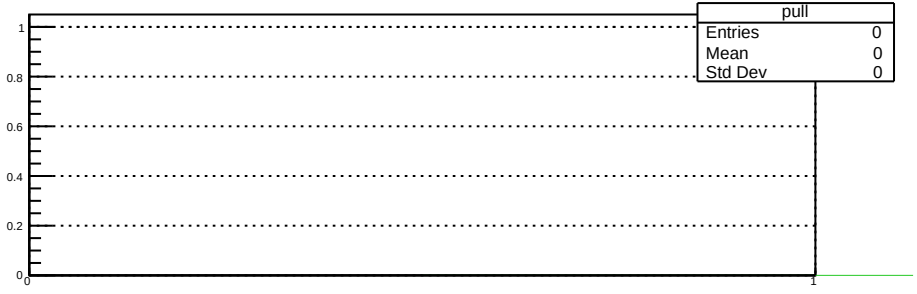

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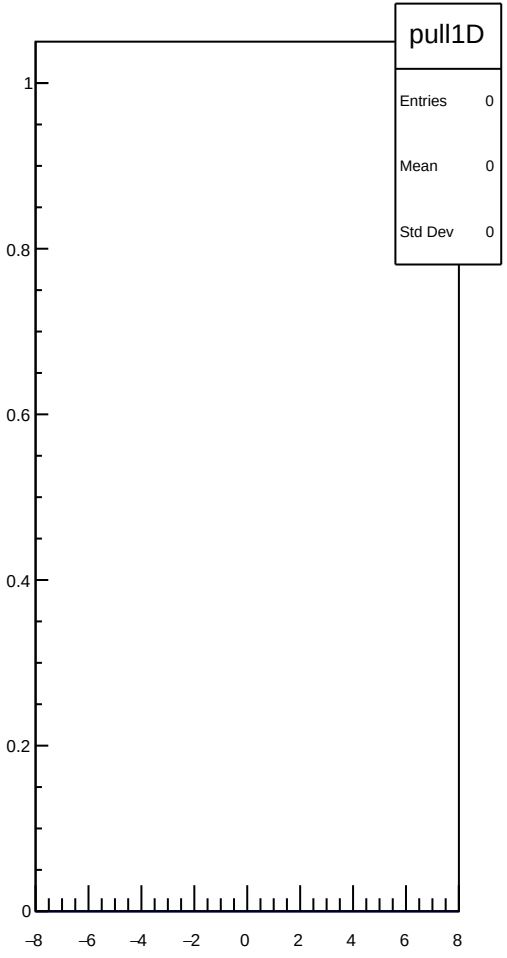

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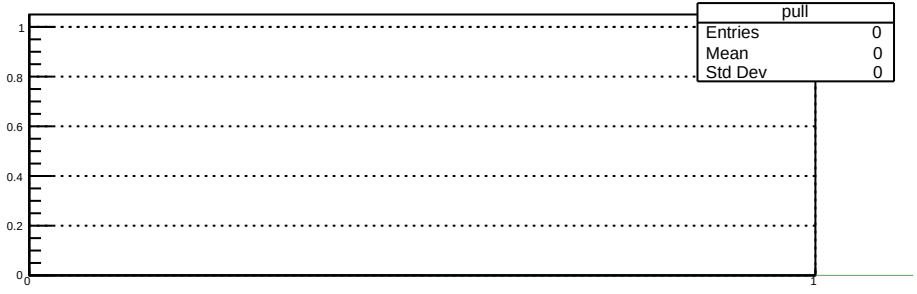

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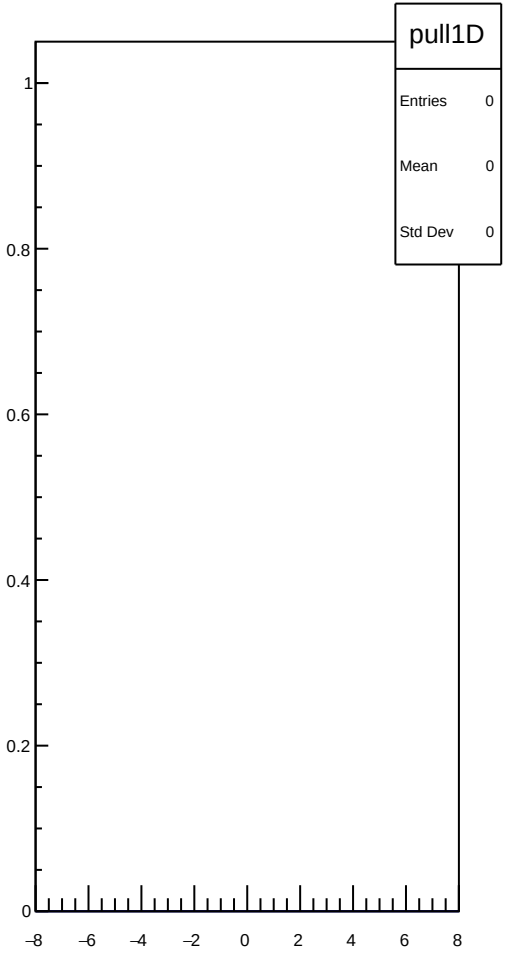

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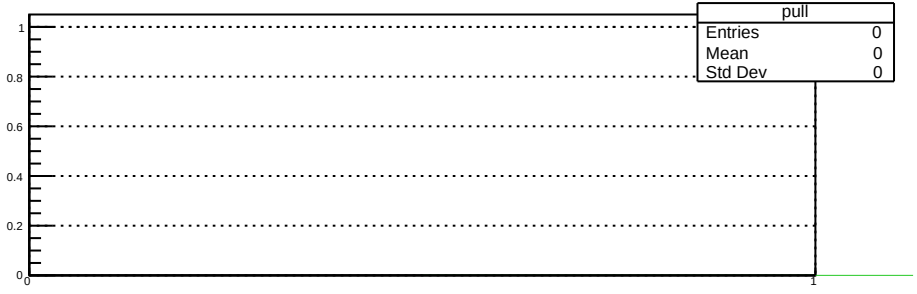

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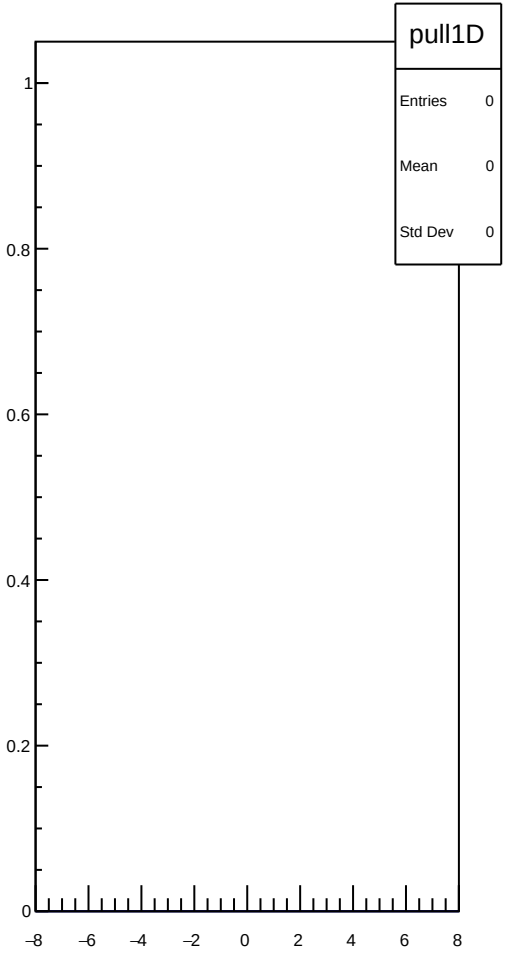

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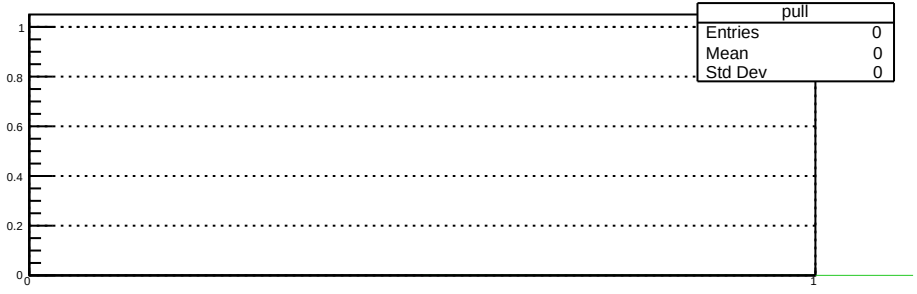

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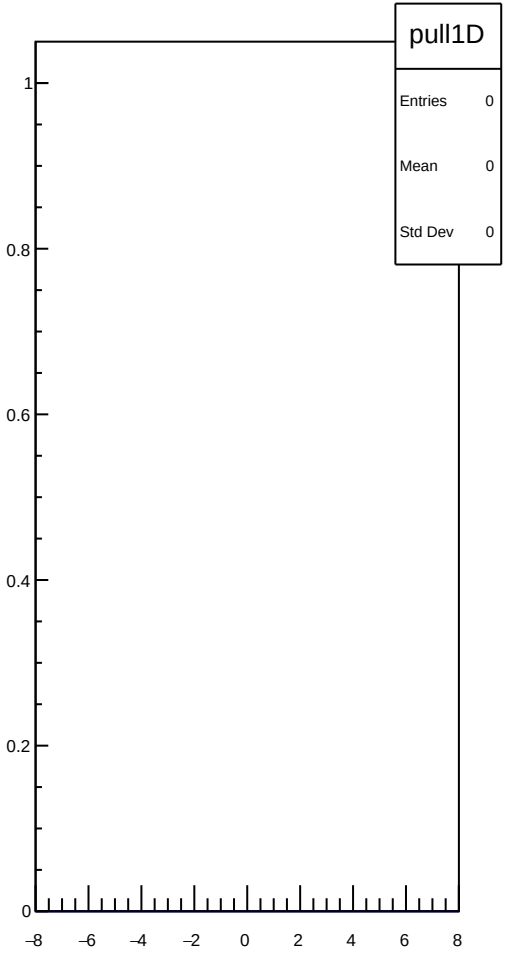

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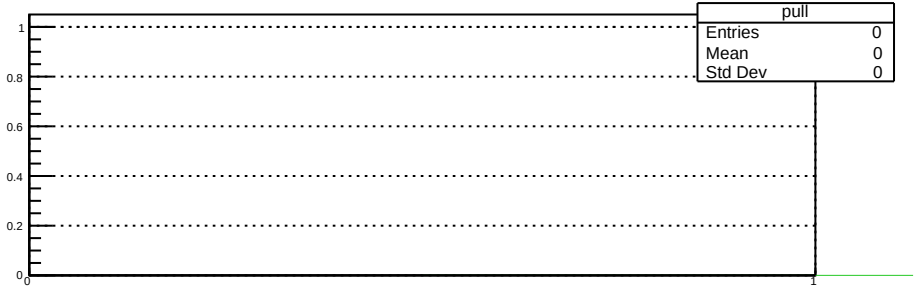

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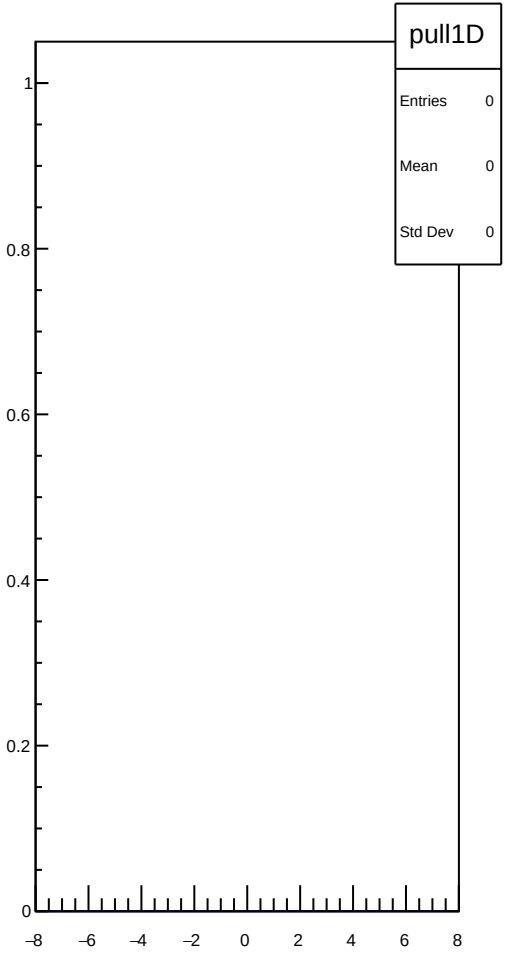

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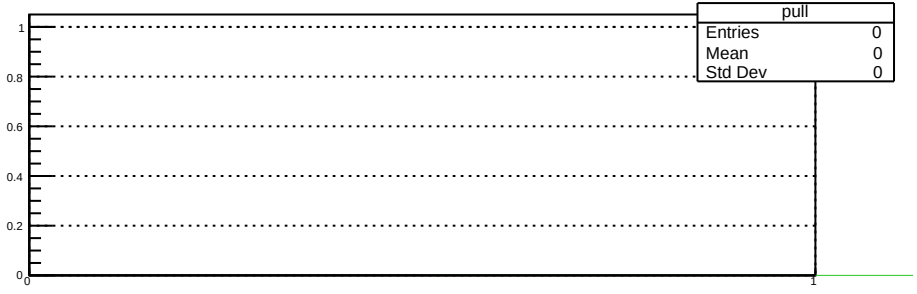

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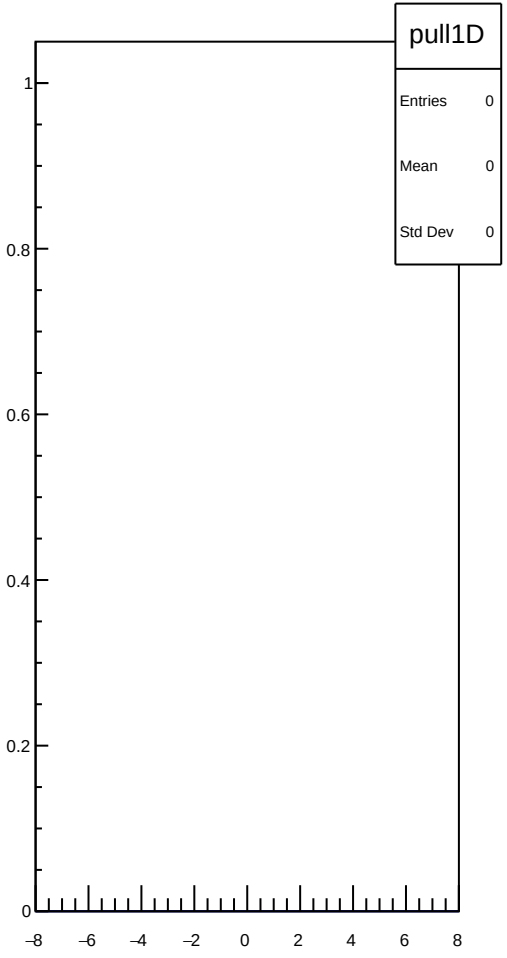

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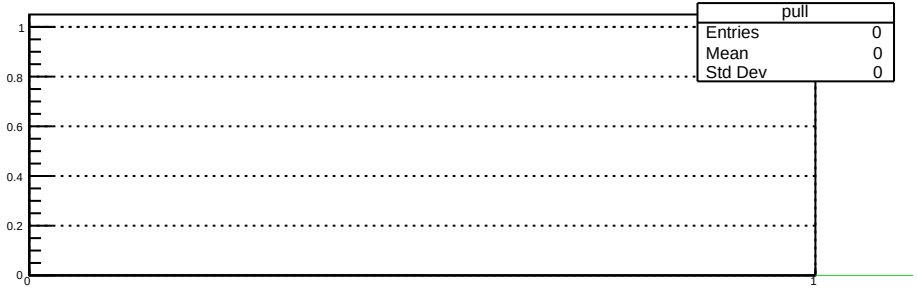

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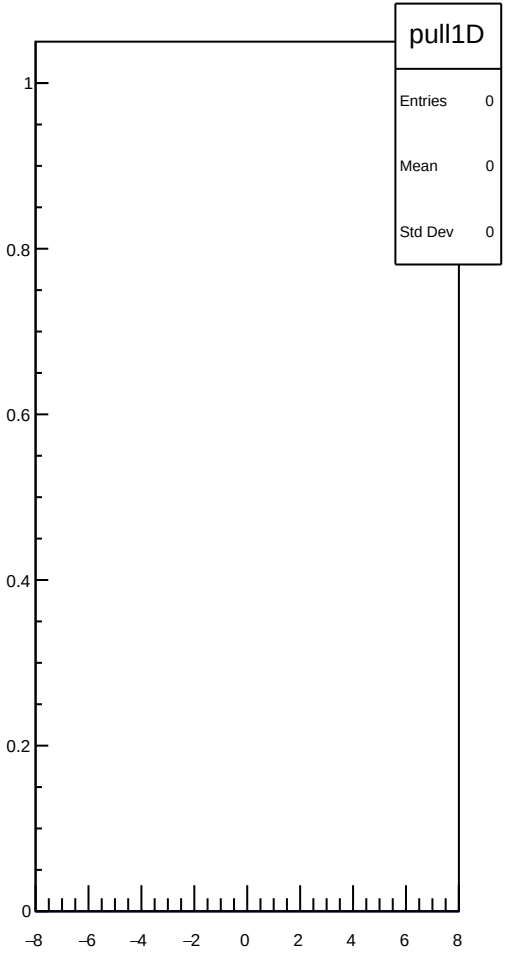

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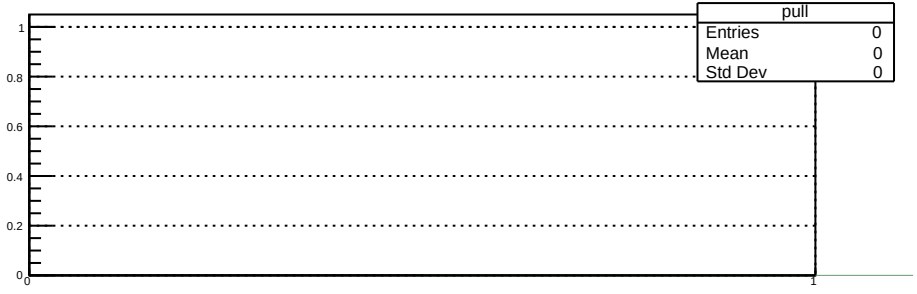

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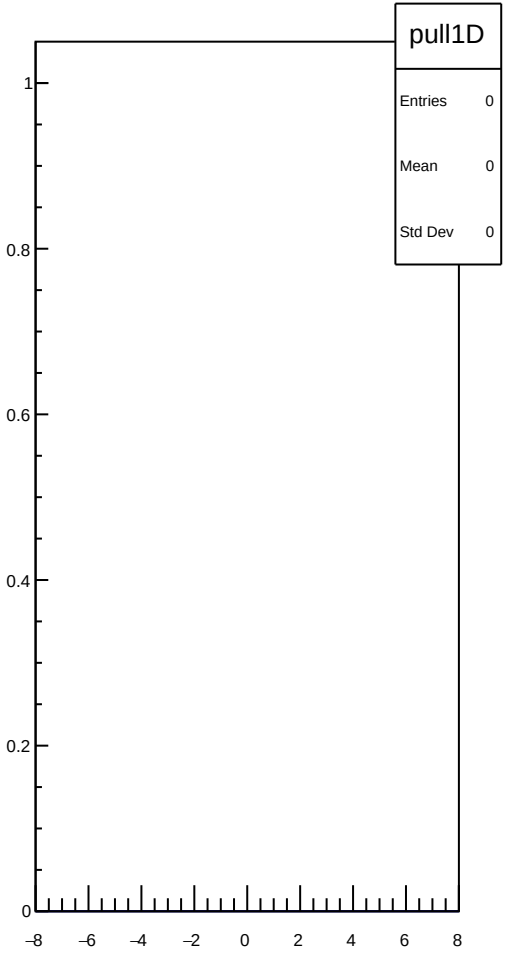

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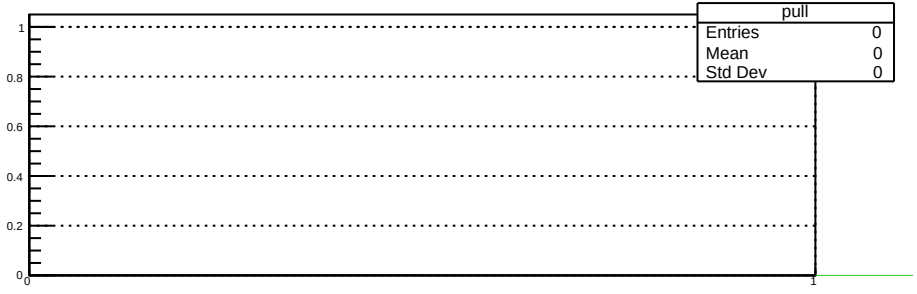

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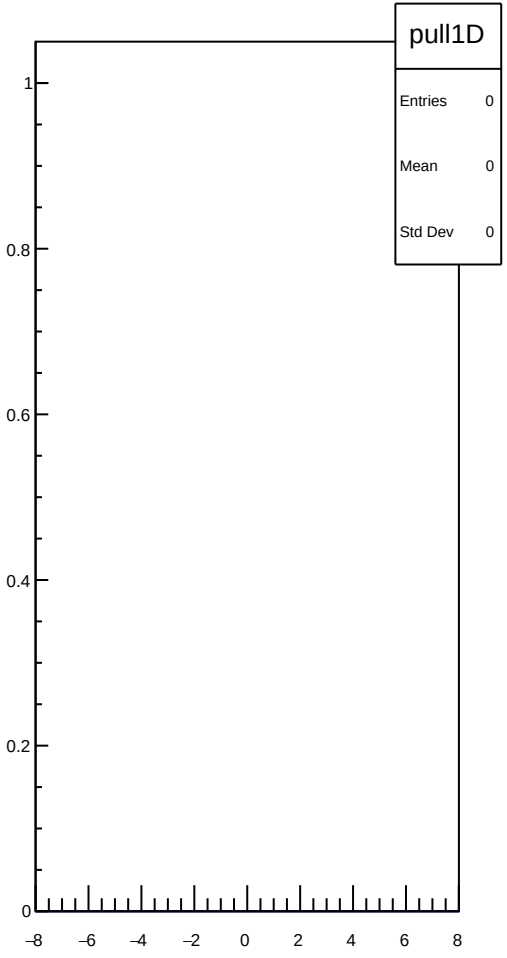

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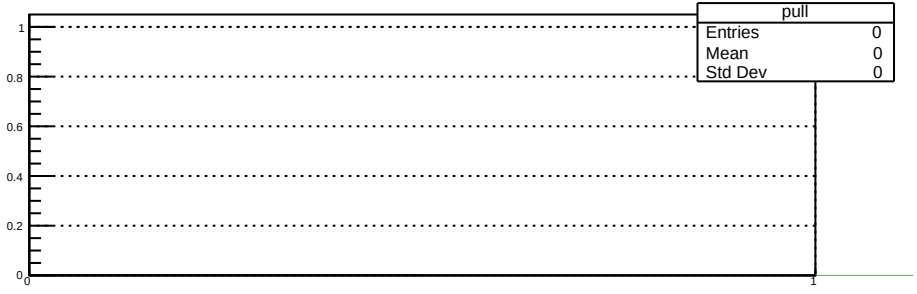

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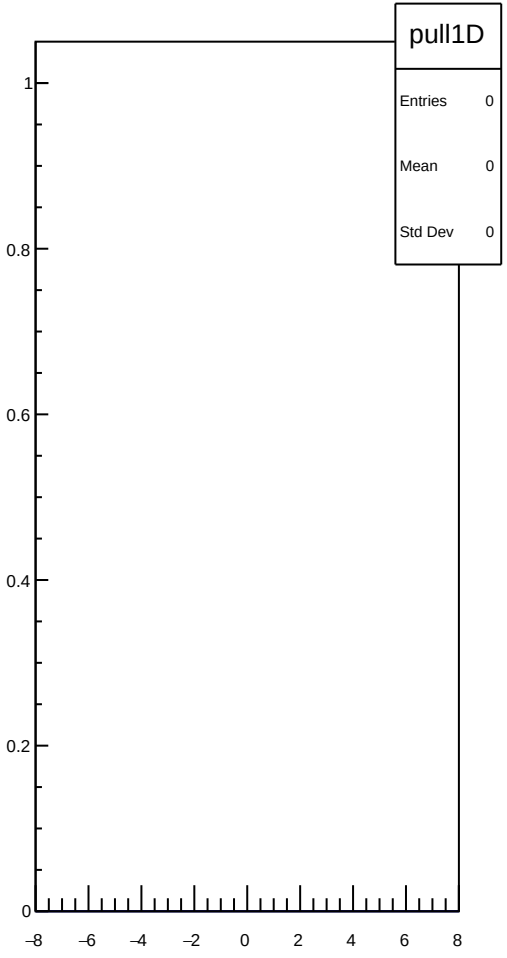

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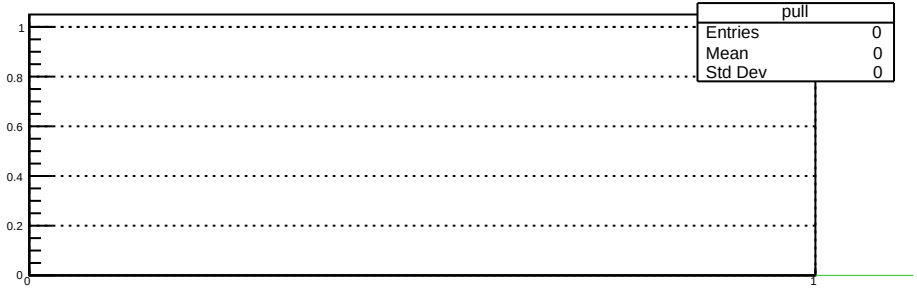

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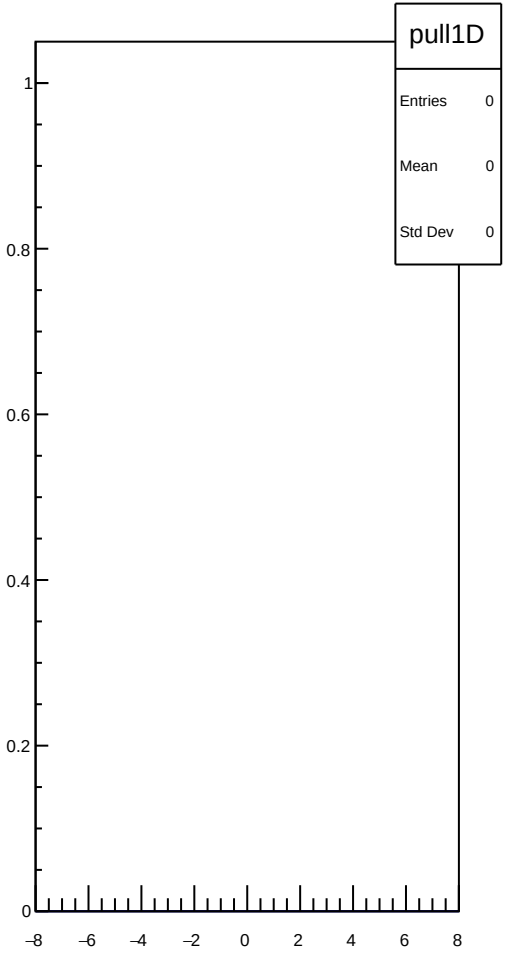

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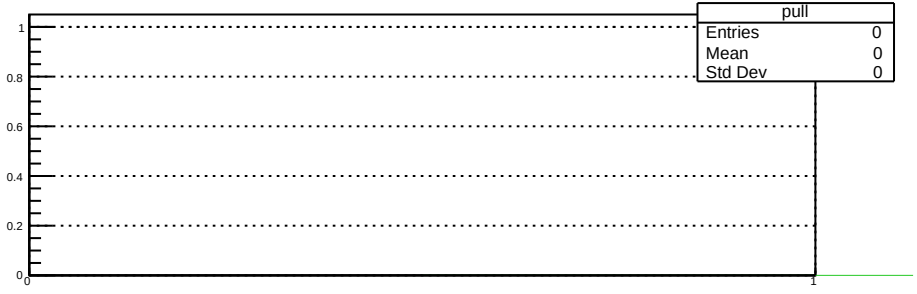

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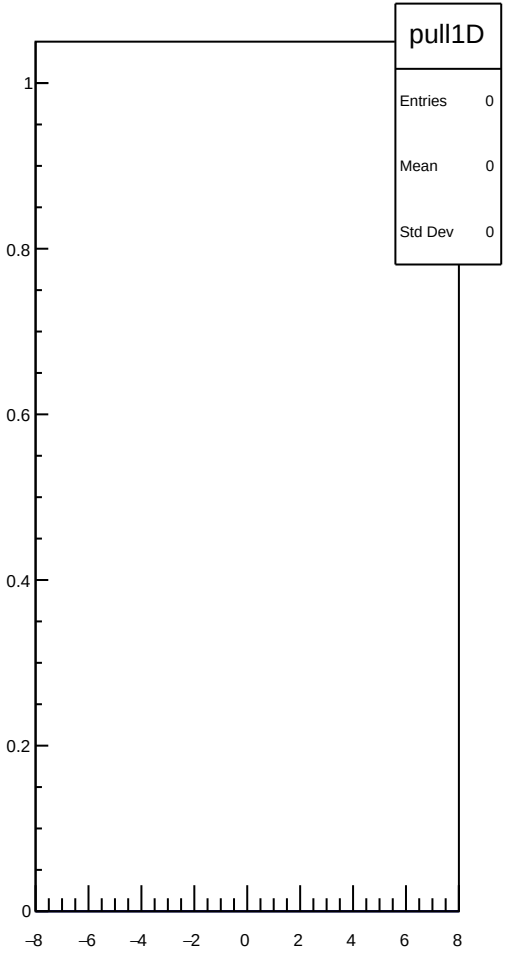

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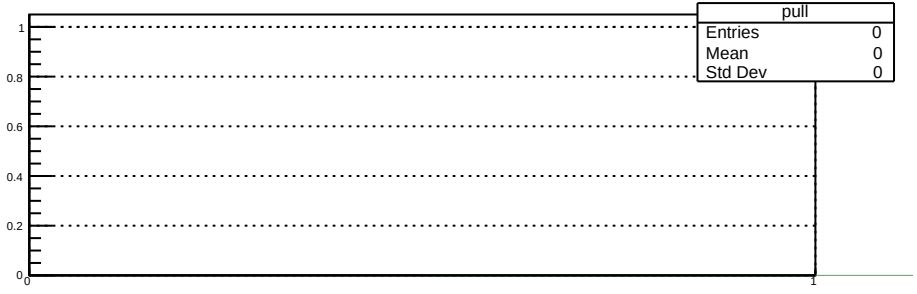

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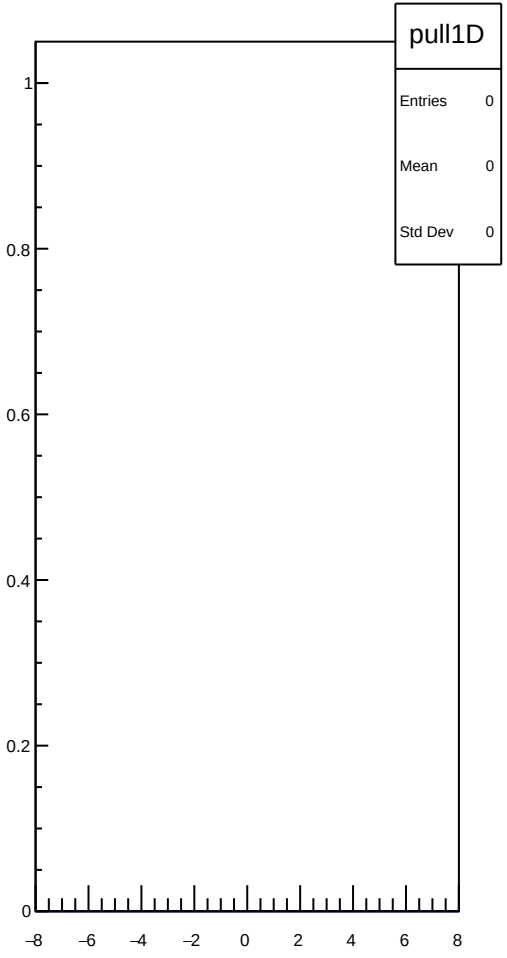

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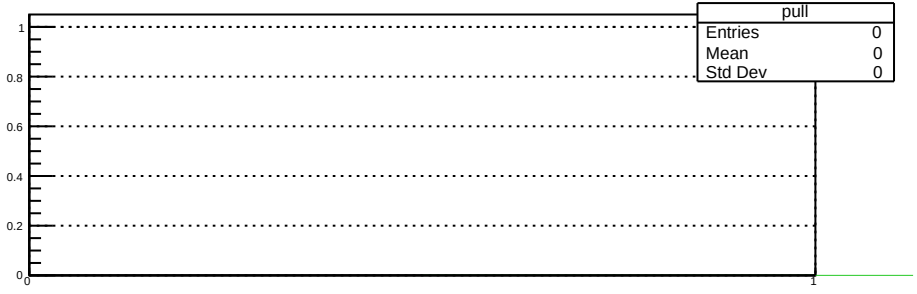

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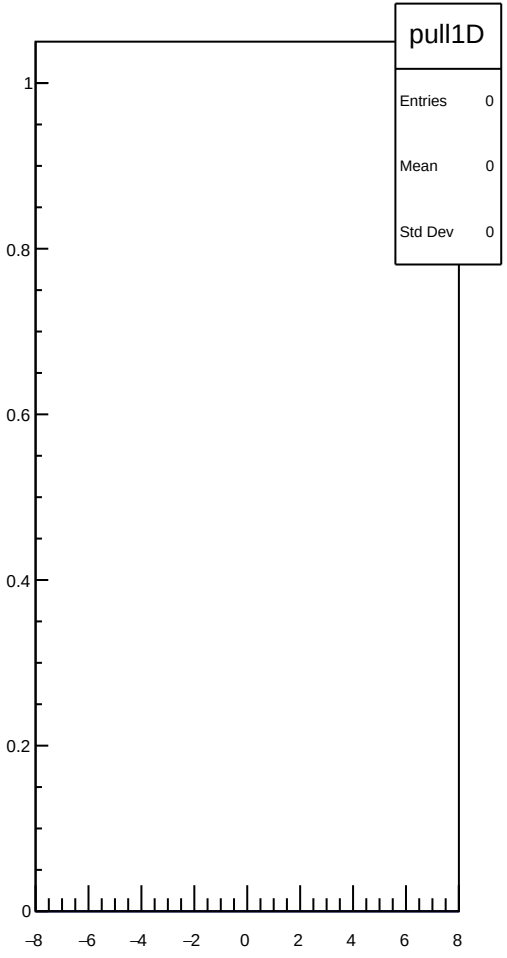

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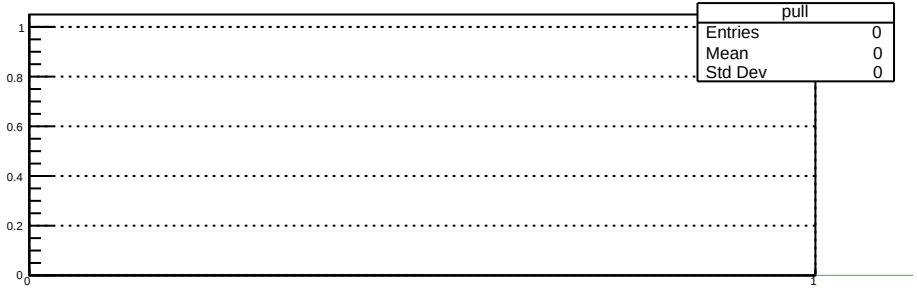

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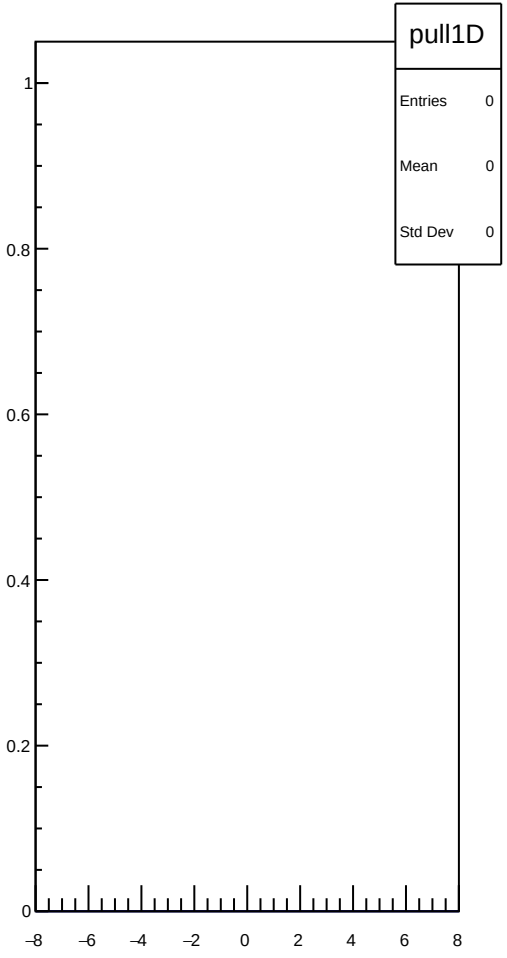

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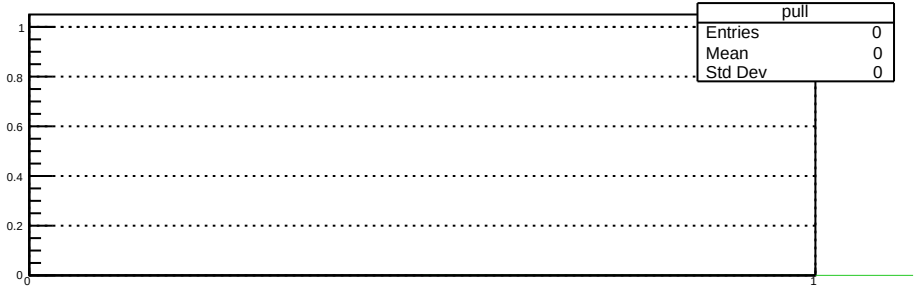

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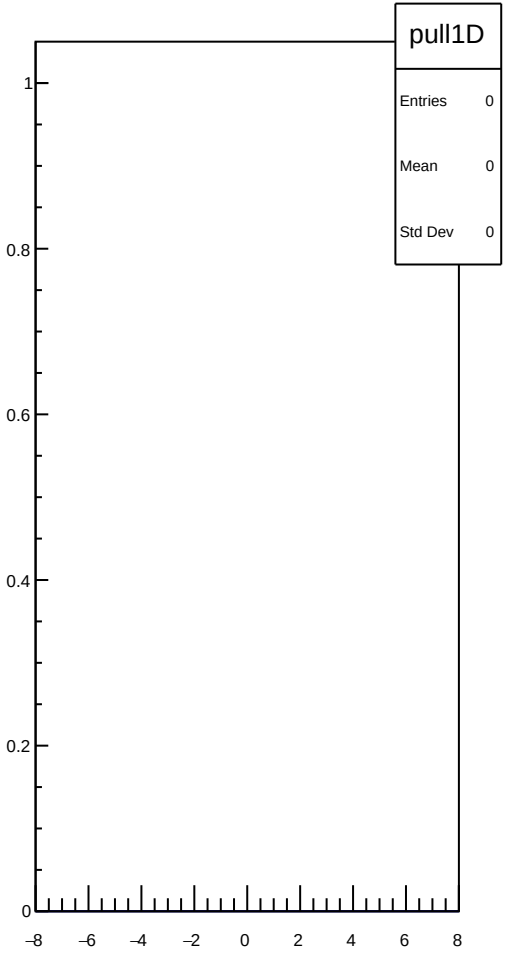

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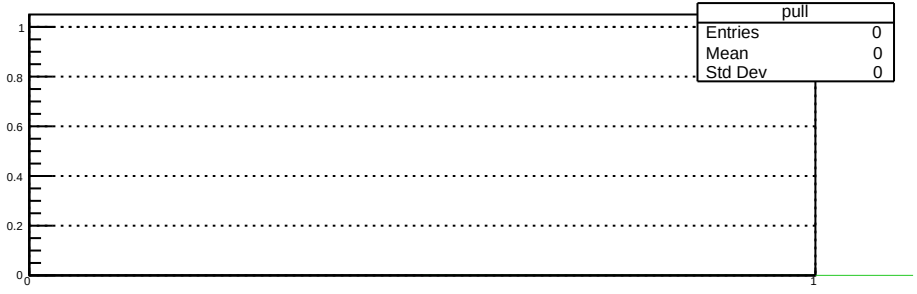

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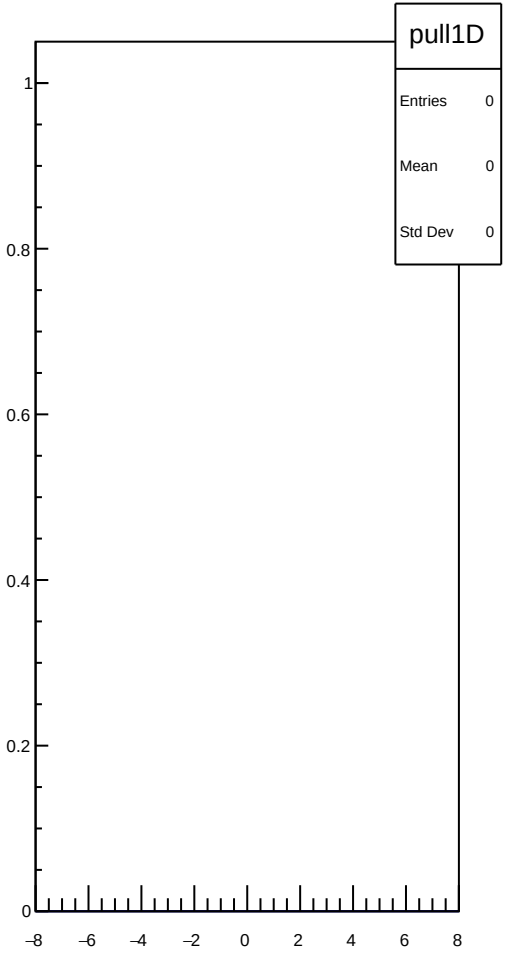

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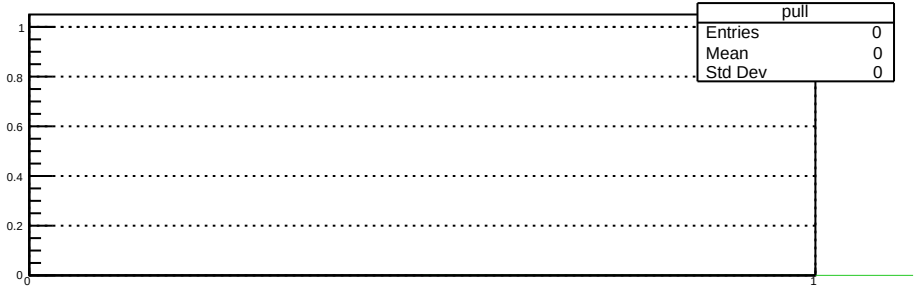

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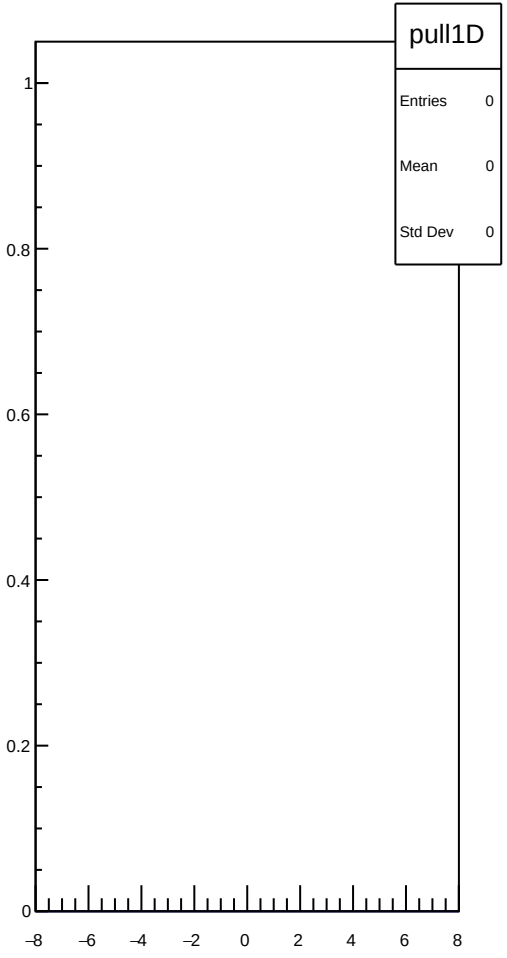

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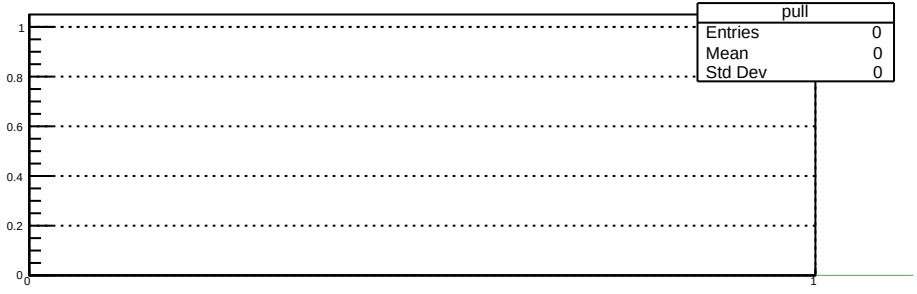

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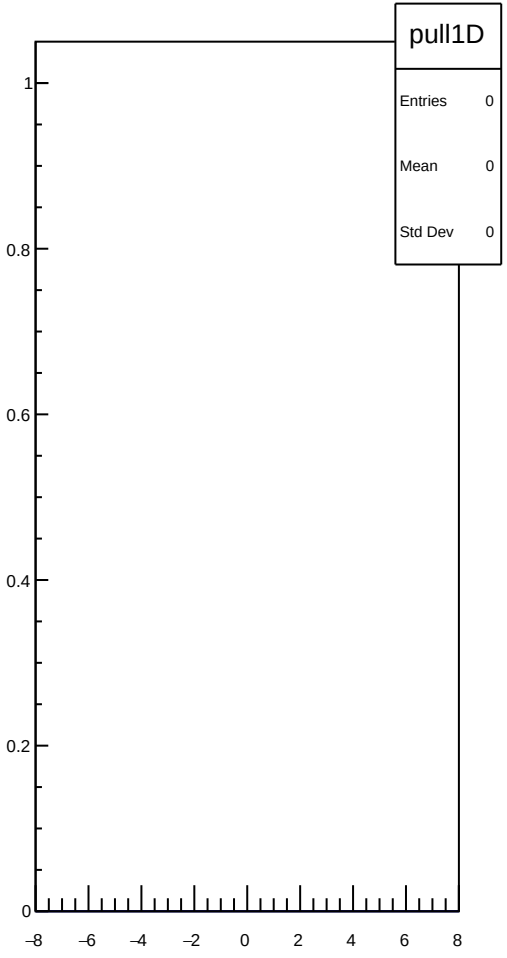

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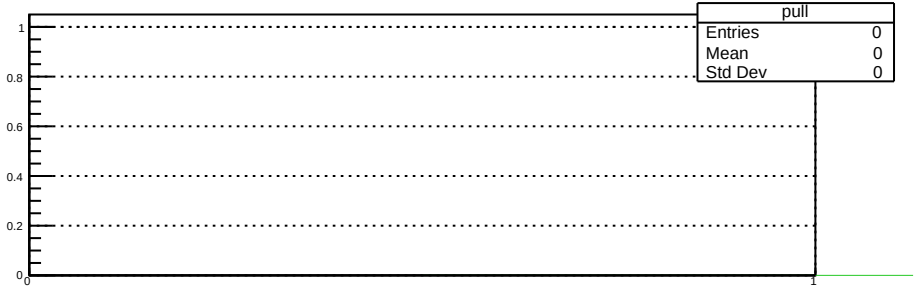

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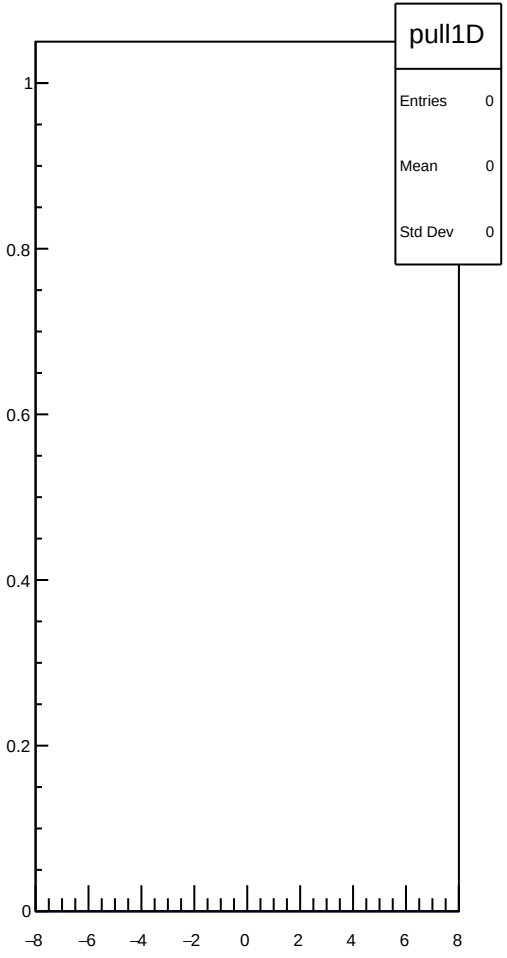

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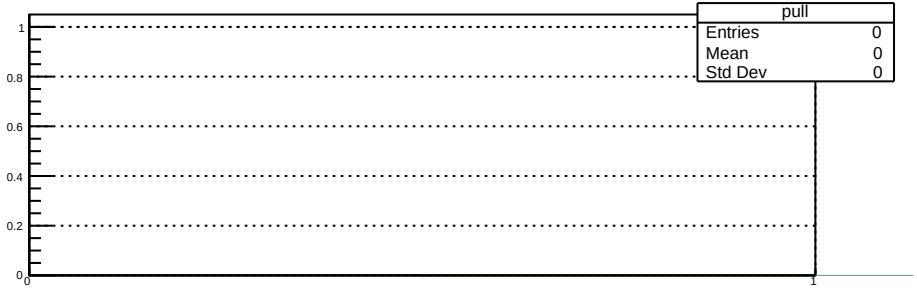

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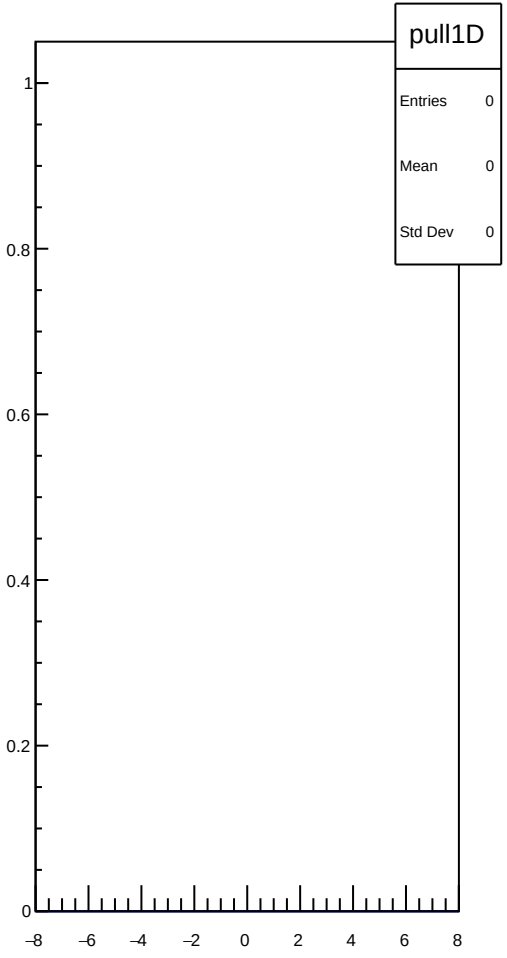

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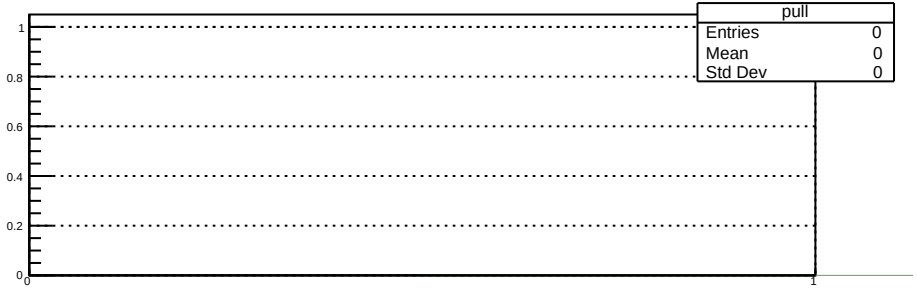

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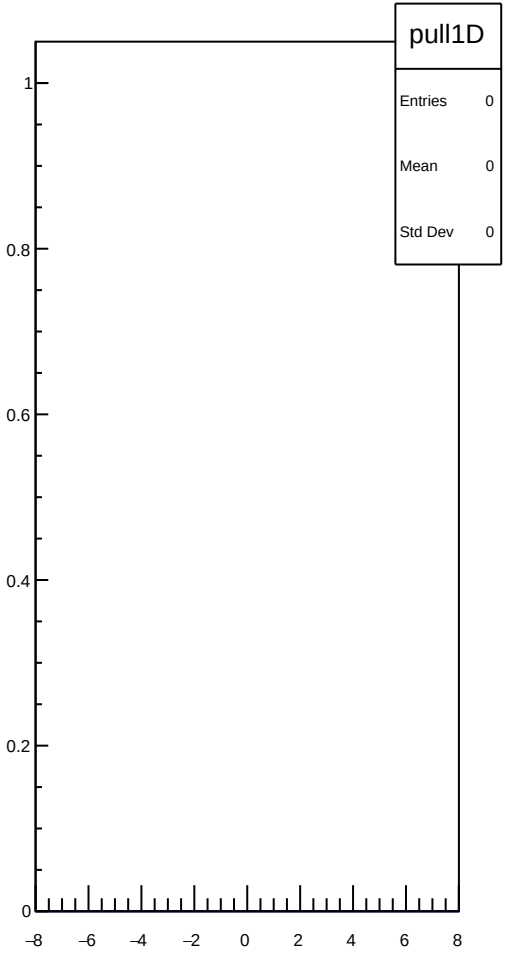

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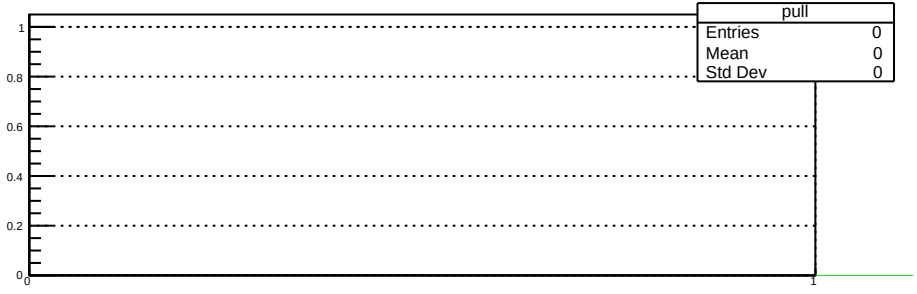

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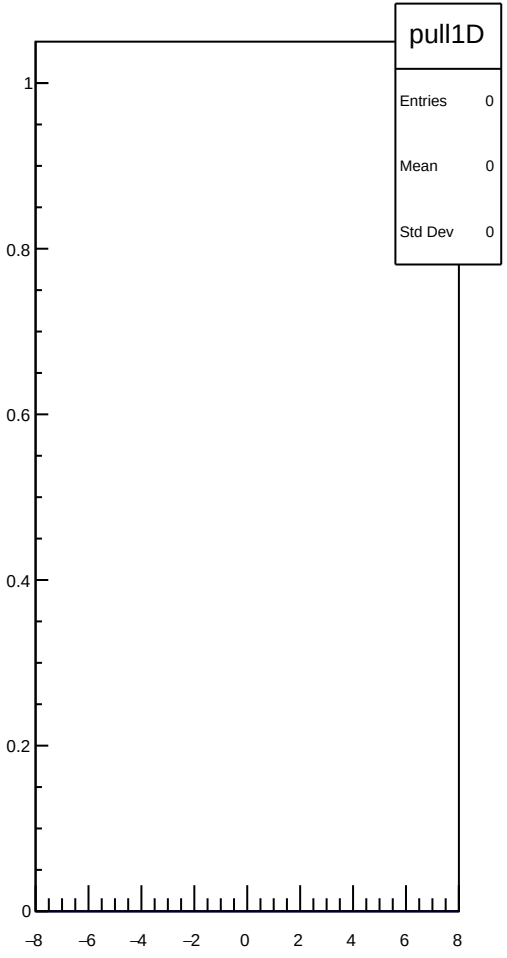

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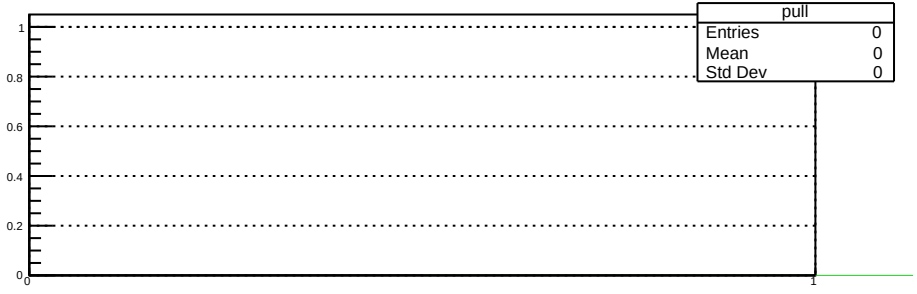

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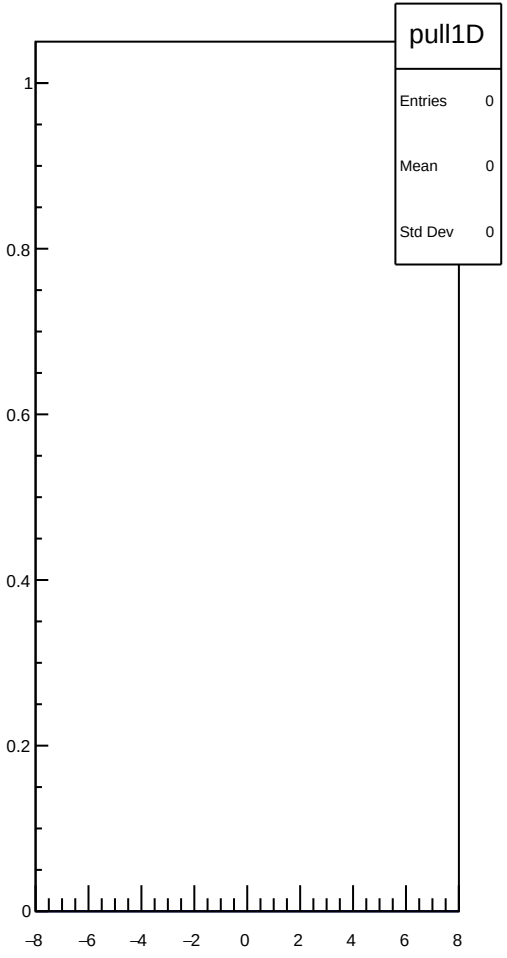

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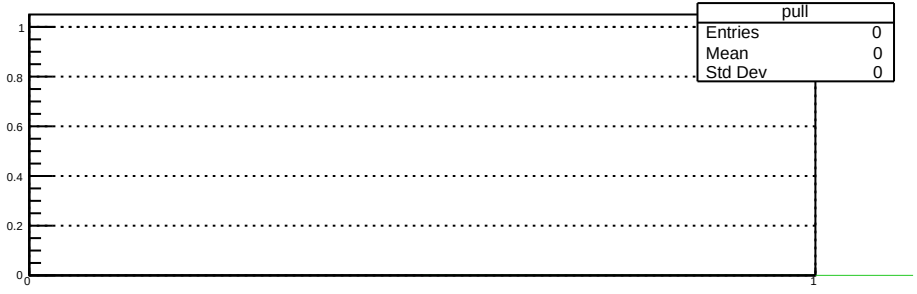

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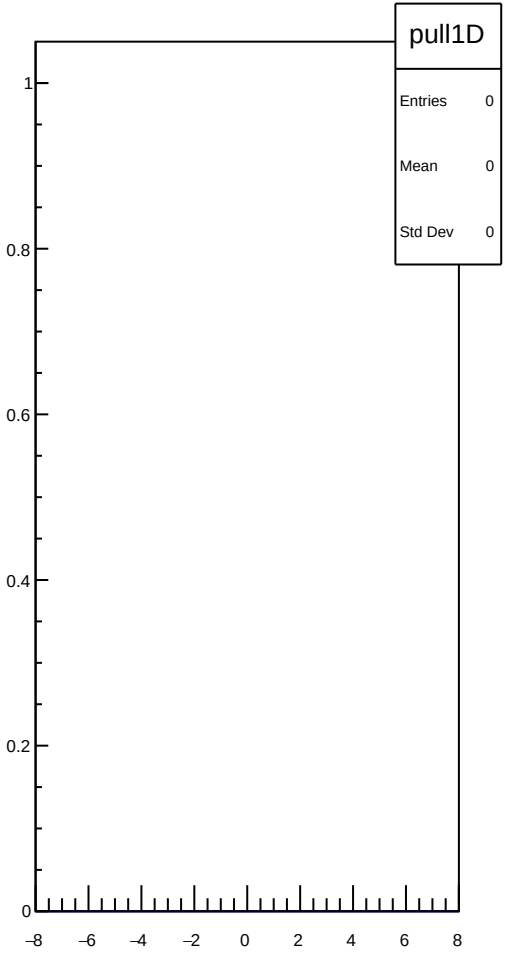

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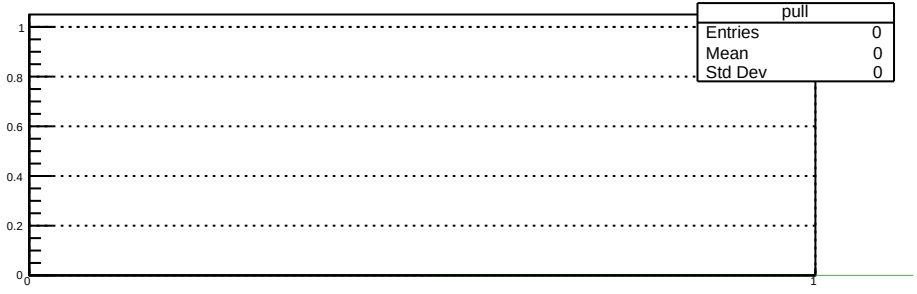

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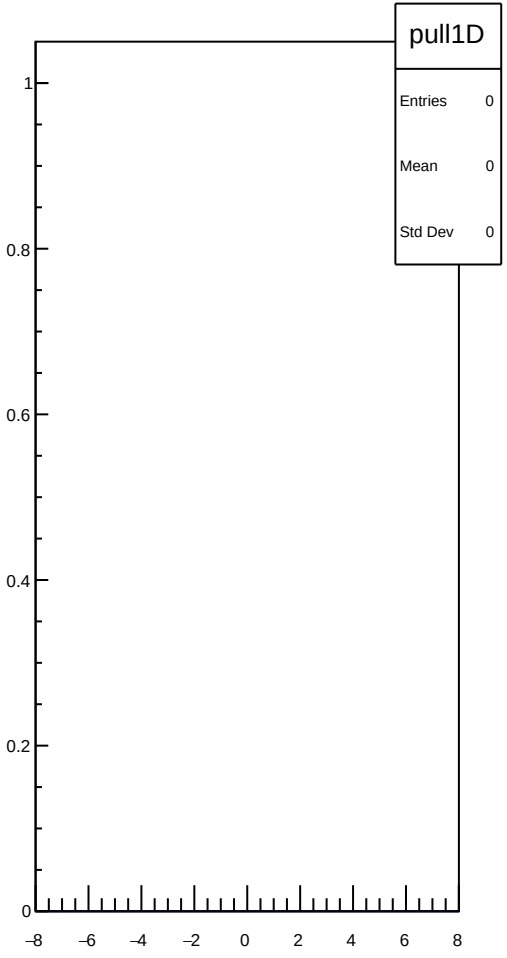

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Std Dev 0
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0.6
0.4
0.2
0
0
1

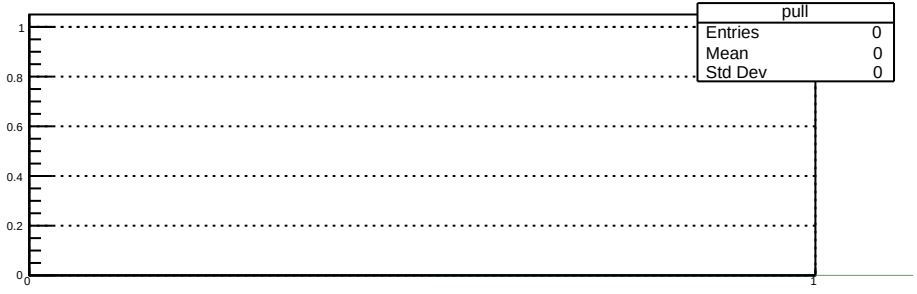

pull1D
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Mean 0
Std Dev 0
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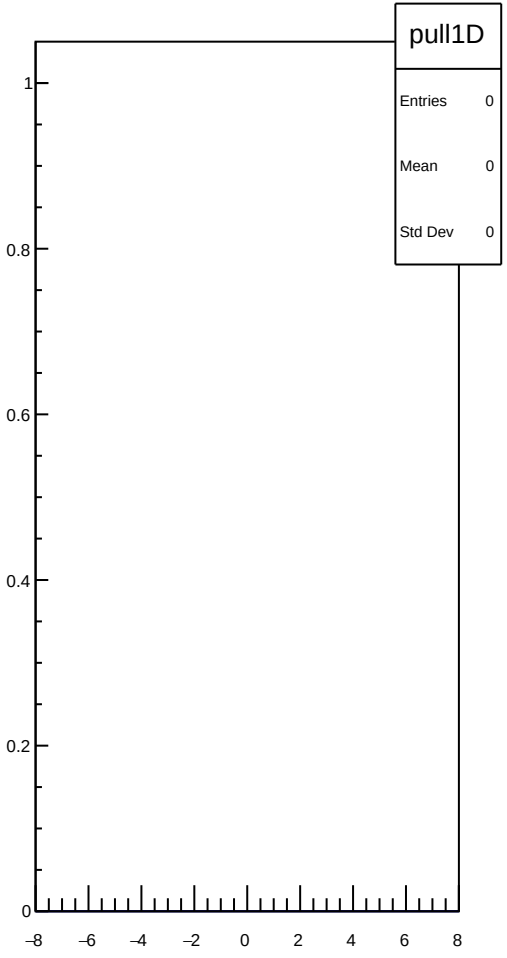

pull
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Std Dev 0
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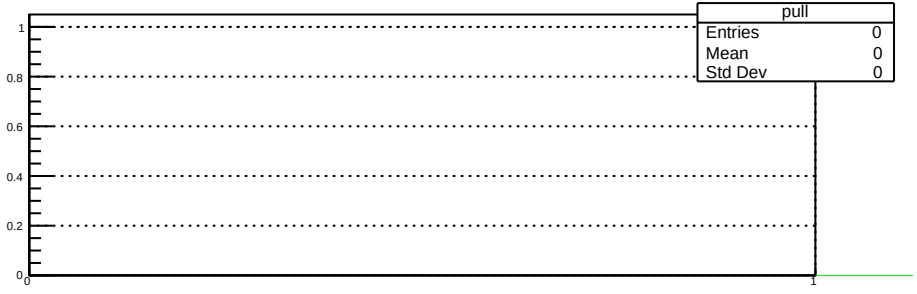

pull1D
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Std Dev 0
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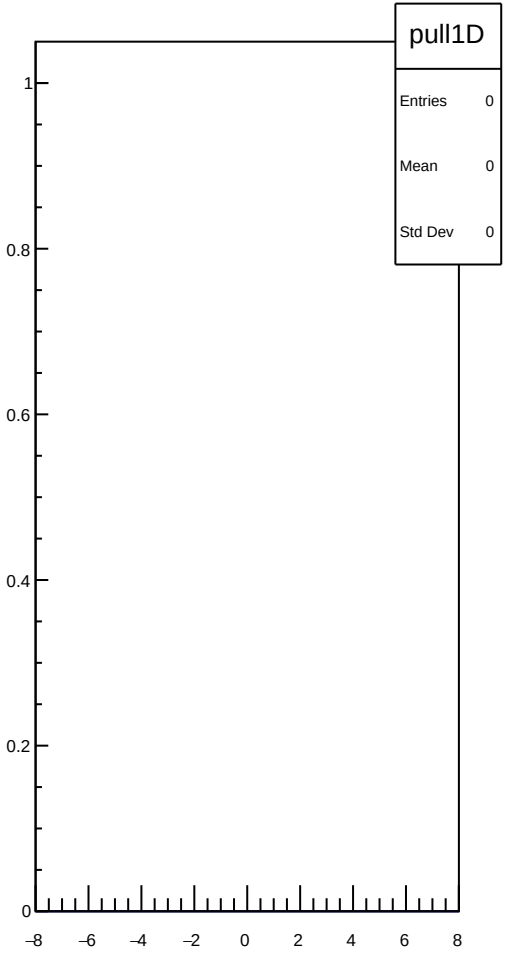

pull
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Std Dev 0
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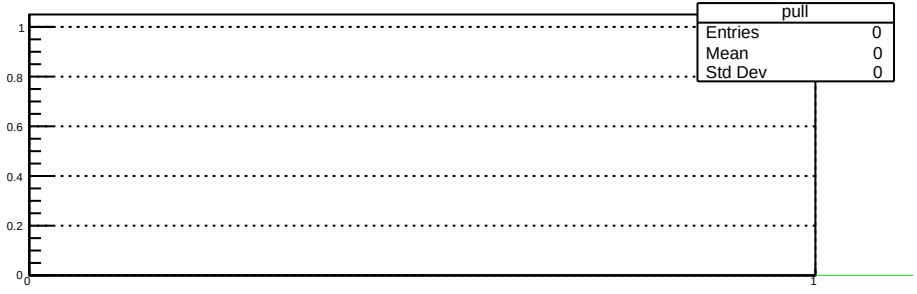

pull1D
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Std Dev 0
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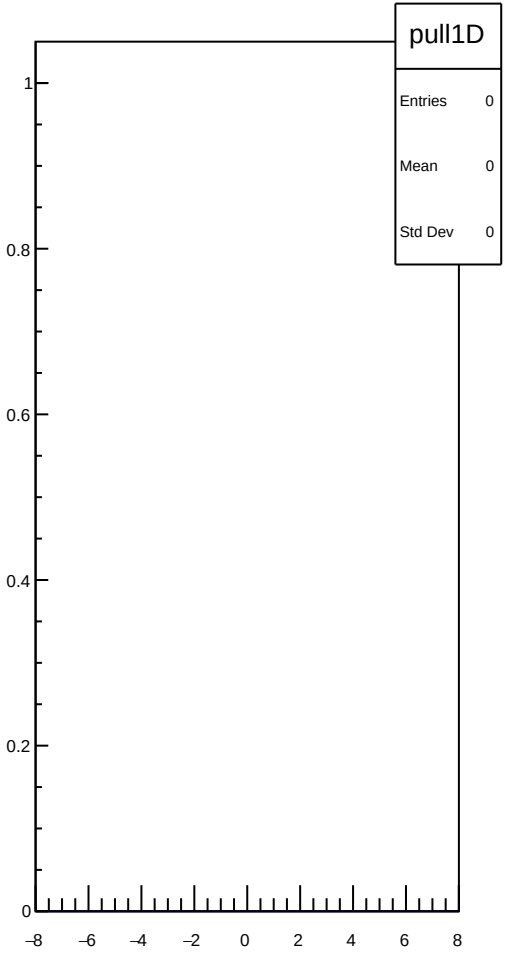

pull
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Std Dev 0
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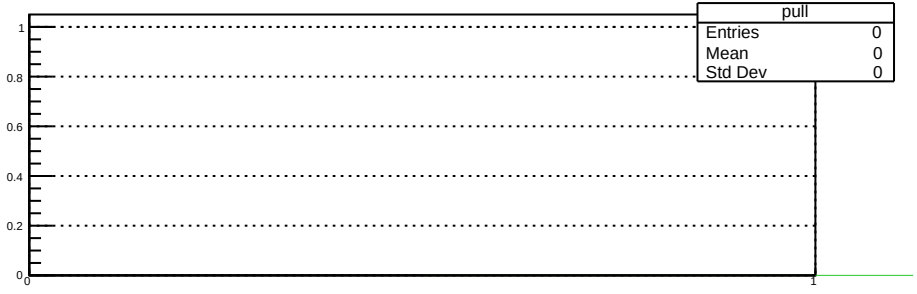

pull1D
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Std Dev 0
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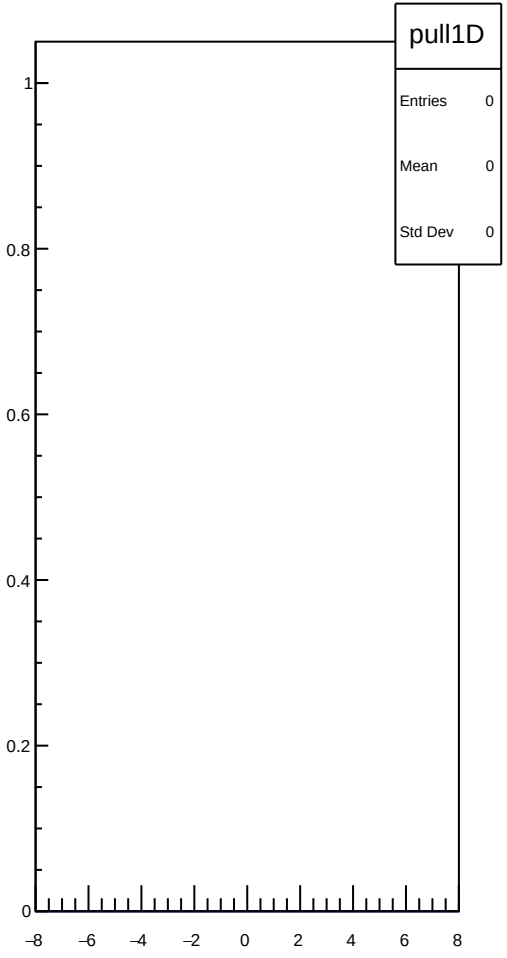

pull
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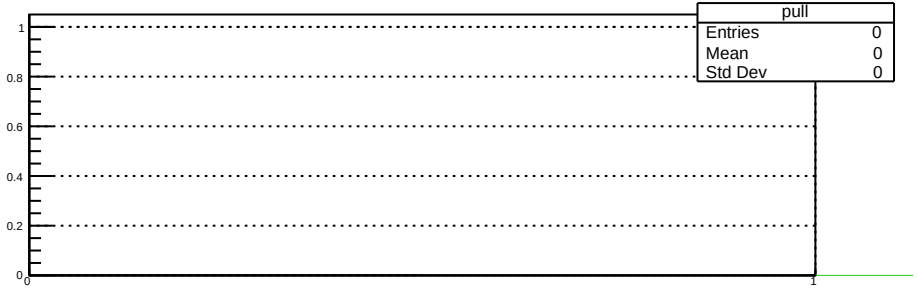

pull1D
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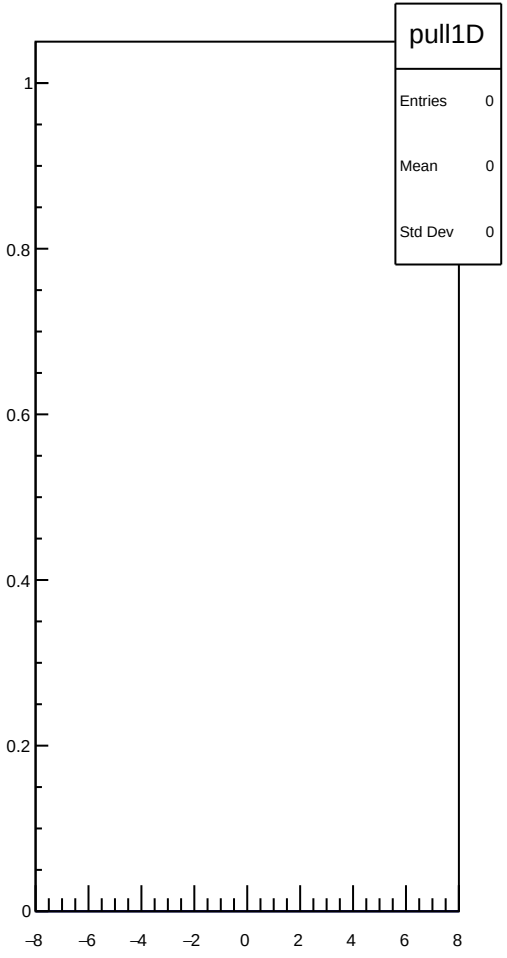

pull
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Std Dev 0
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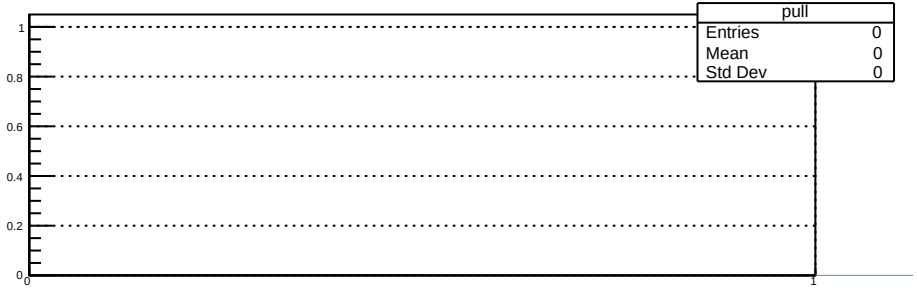

pull1D
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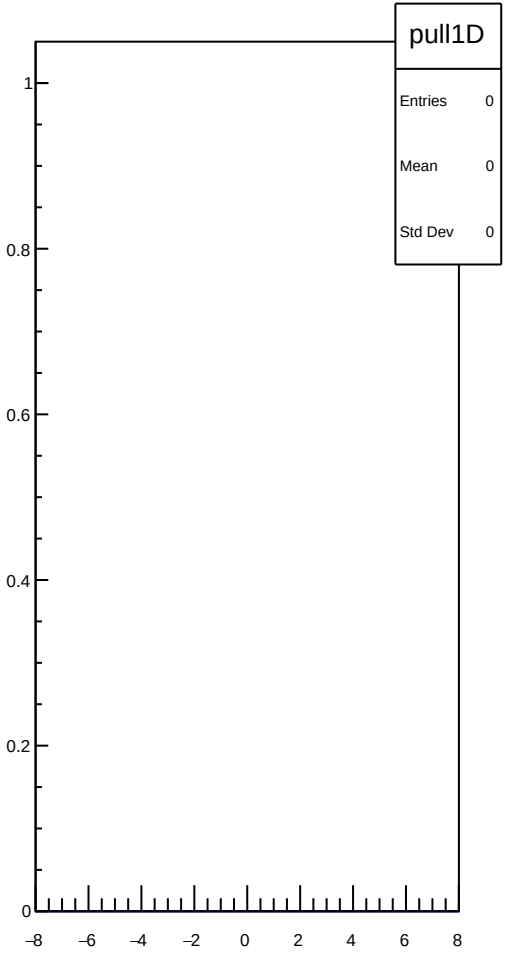

pull
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Std Dev 0
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0.6
0.4
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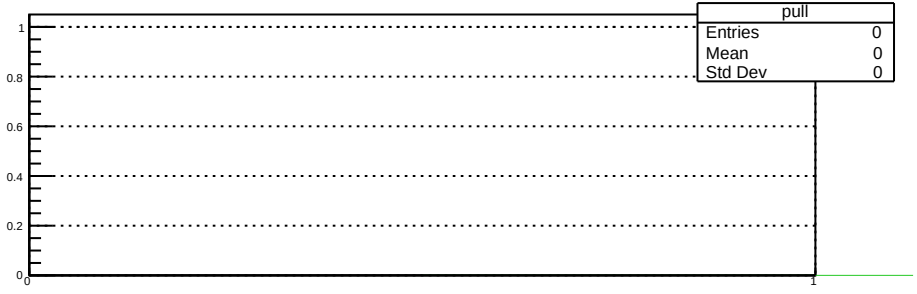

pull1D
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Mean 0
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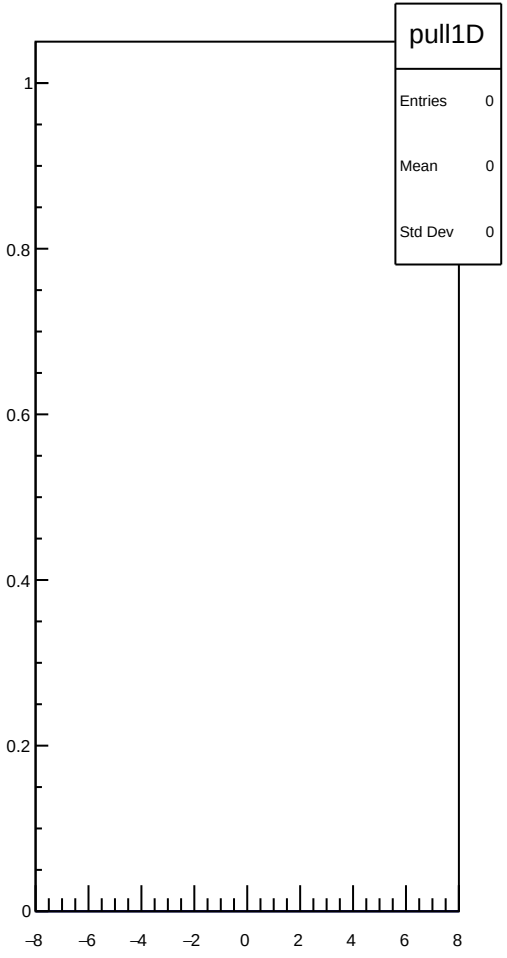

pull
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Std Dev 0
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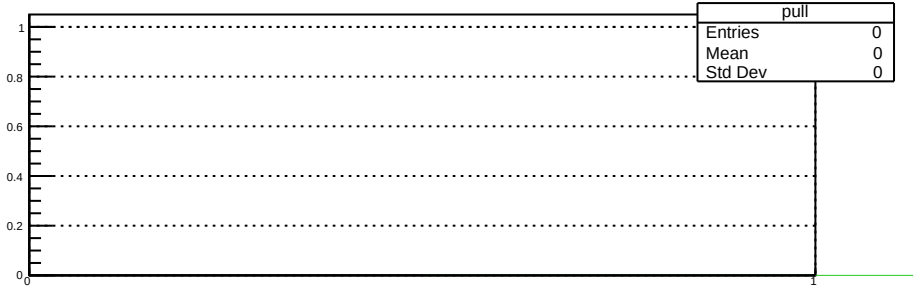

pull1D
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Std Dev 0
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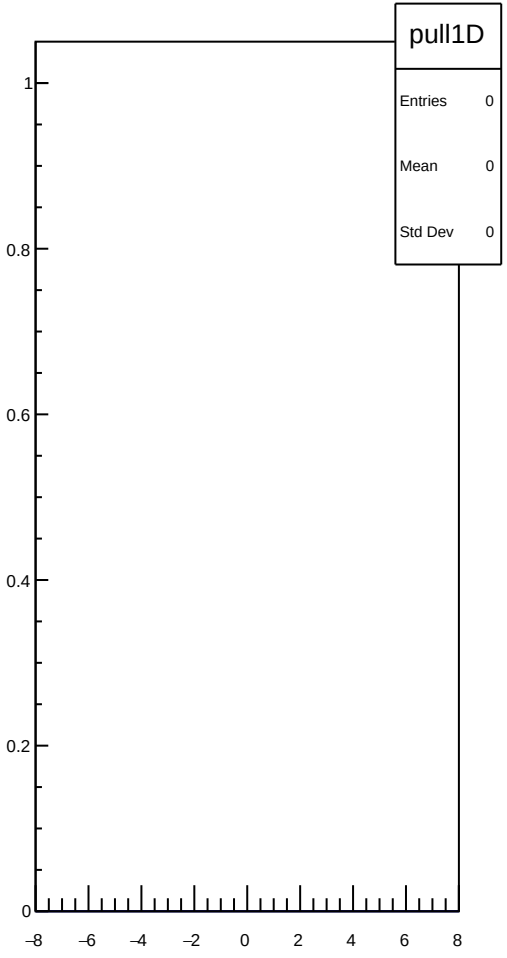

pull
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Std Dev 0
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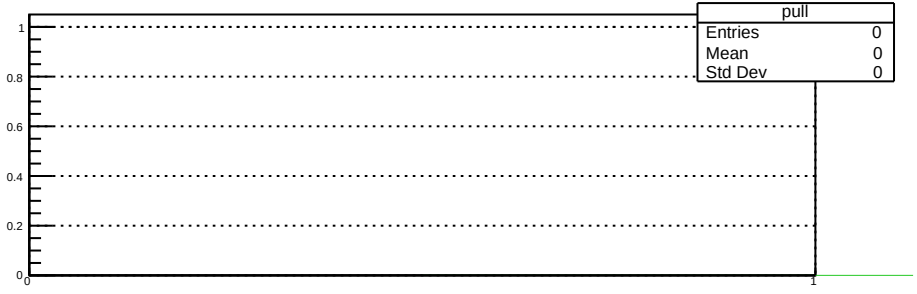

pull1D
Entries 0
Mean 0
Std Dev 0
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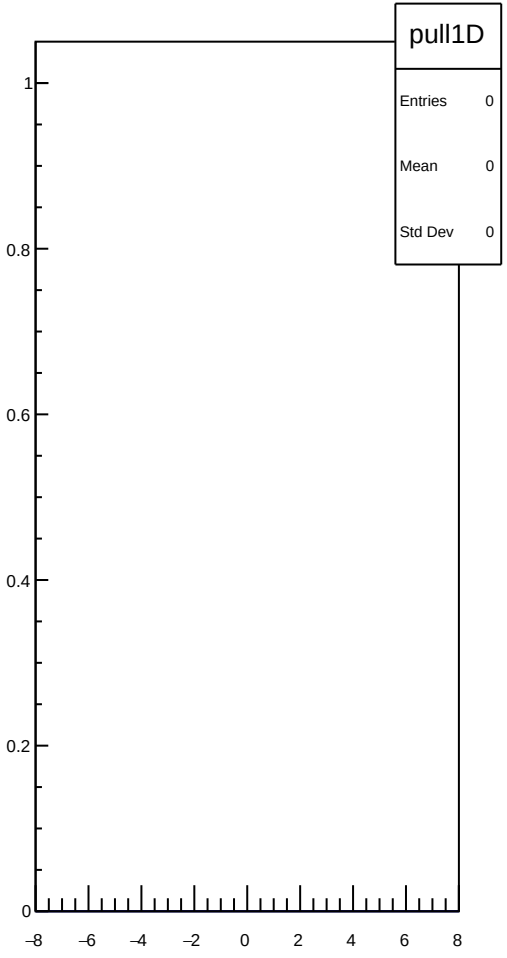

pull
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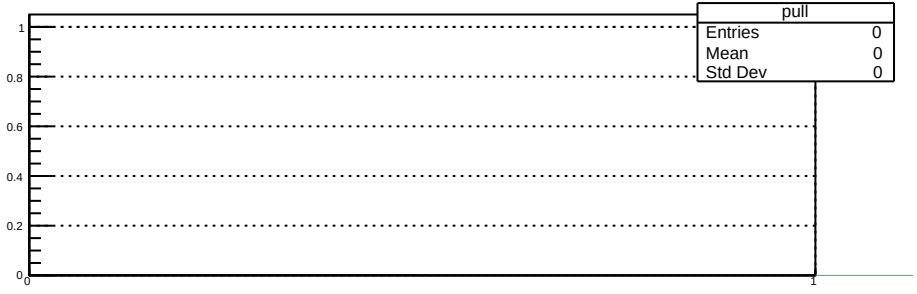

pull1D
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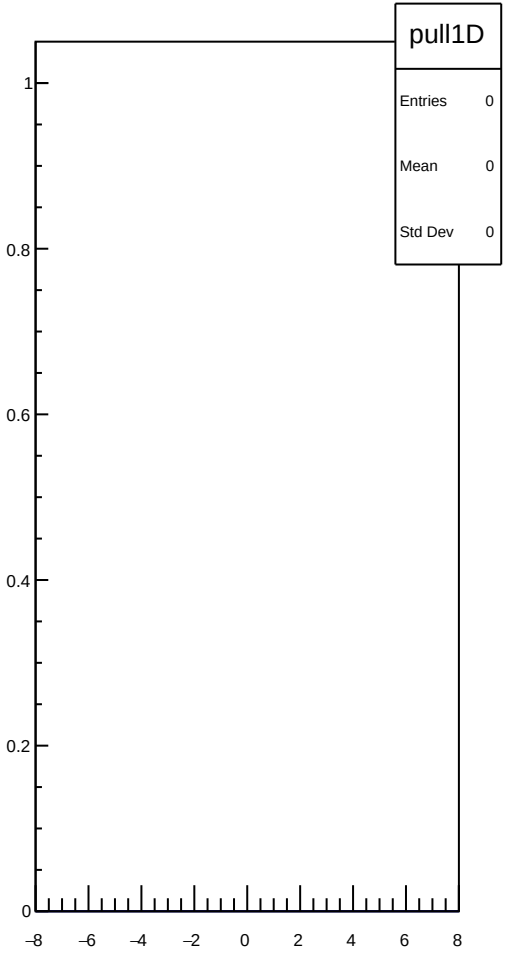

pull
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Std Dev 0
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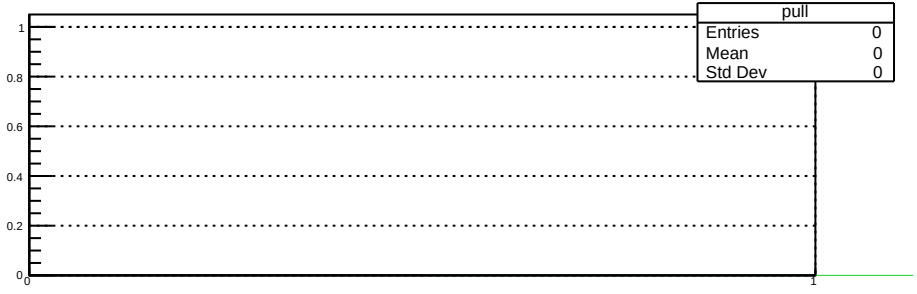

pull1D
Entries 0
Mean 0
Std Dev 0
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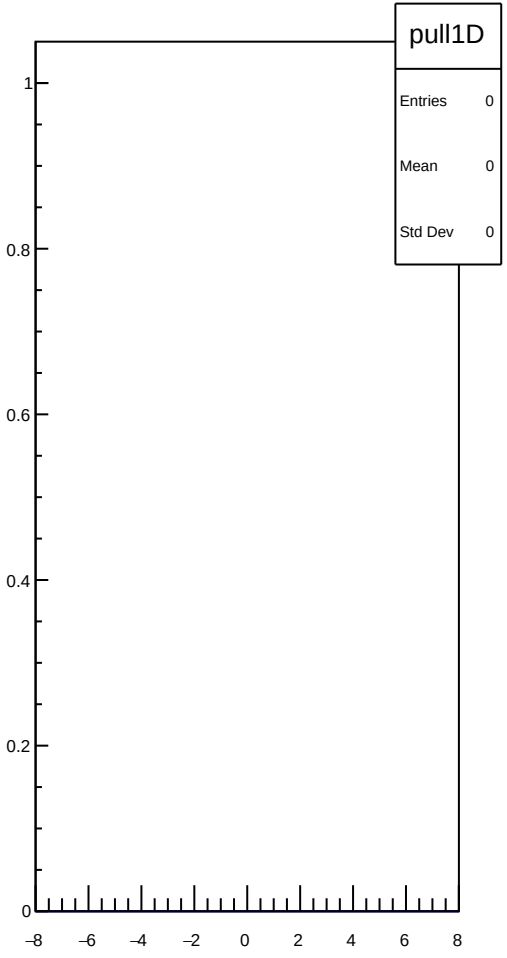

pull
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Mean 0
Std Dev 0
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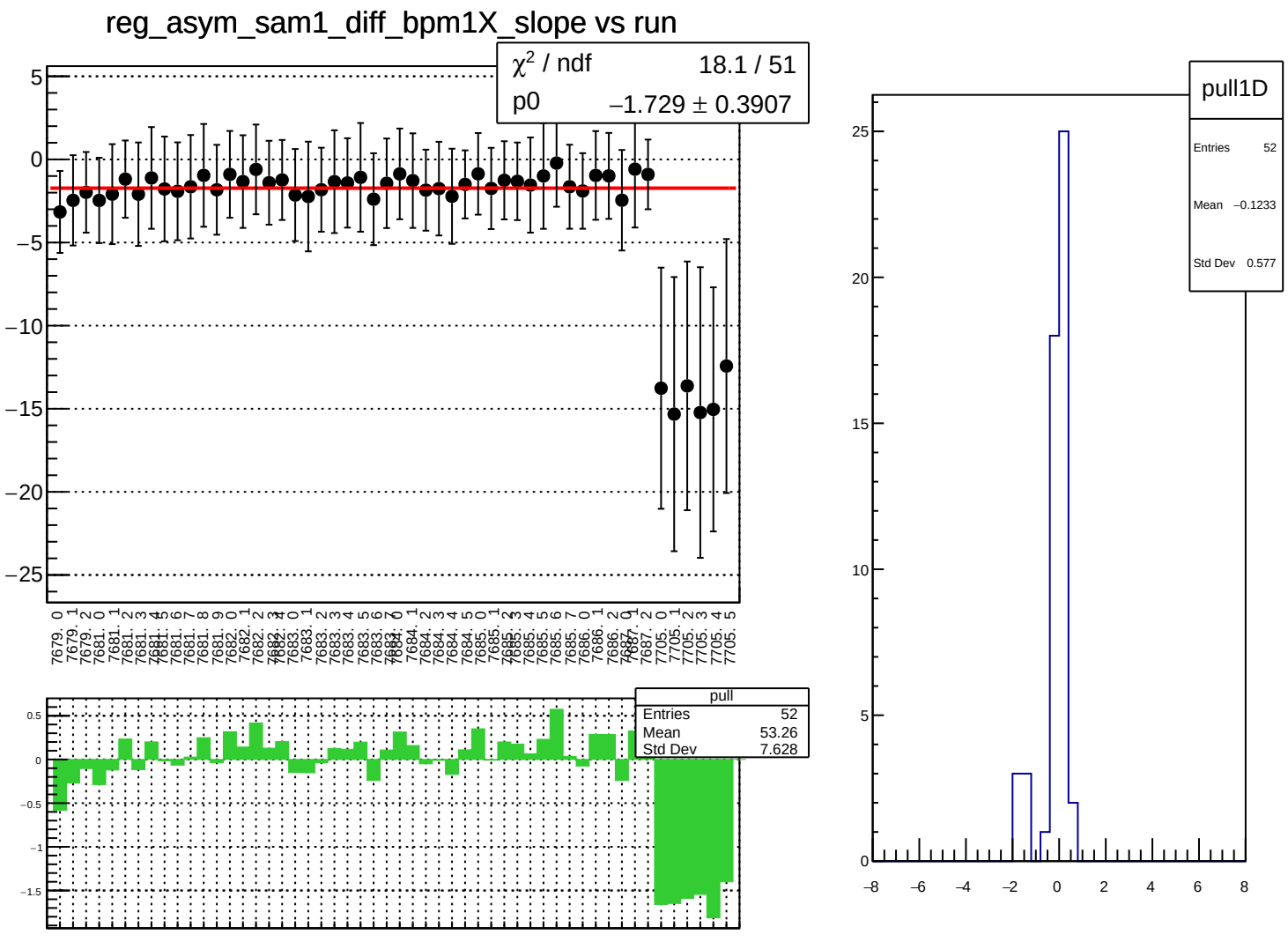

pull1D
Entries 0
Mean 0
Std Dev 0
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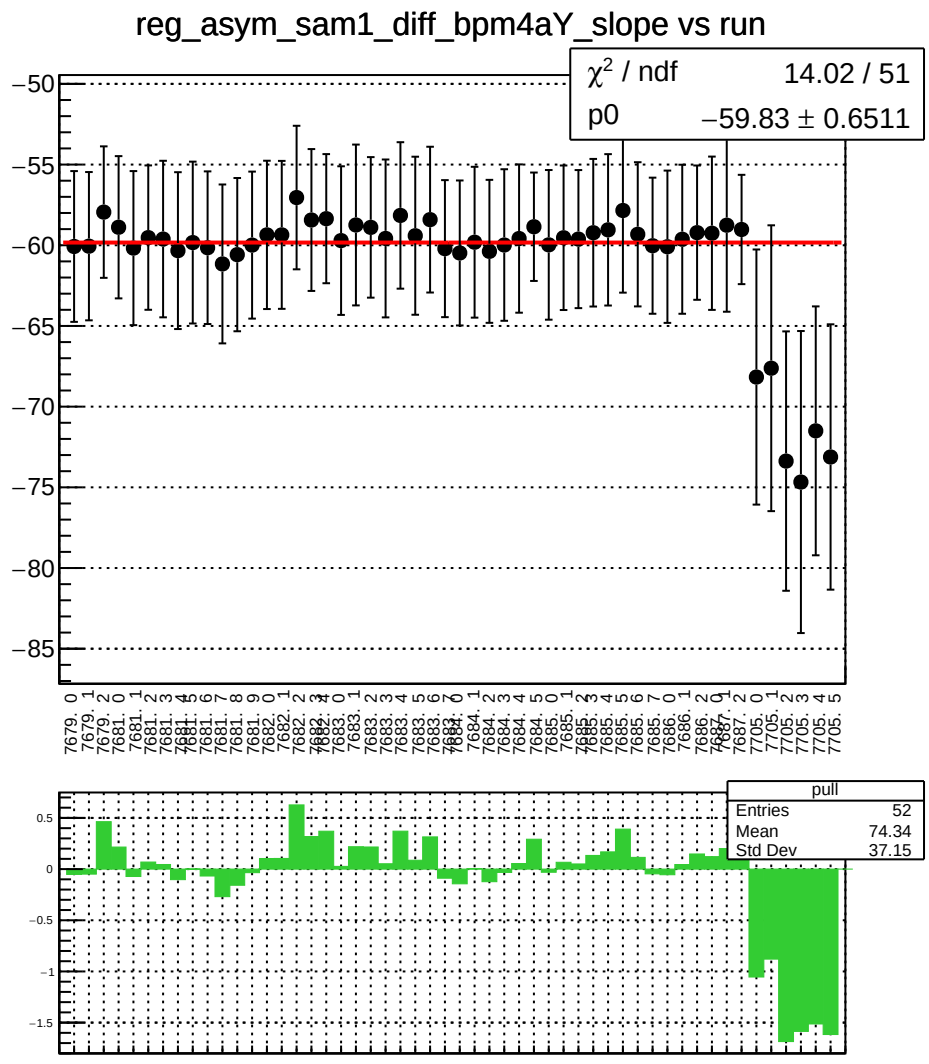

pull
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Mean 0
Std Dev 0
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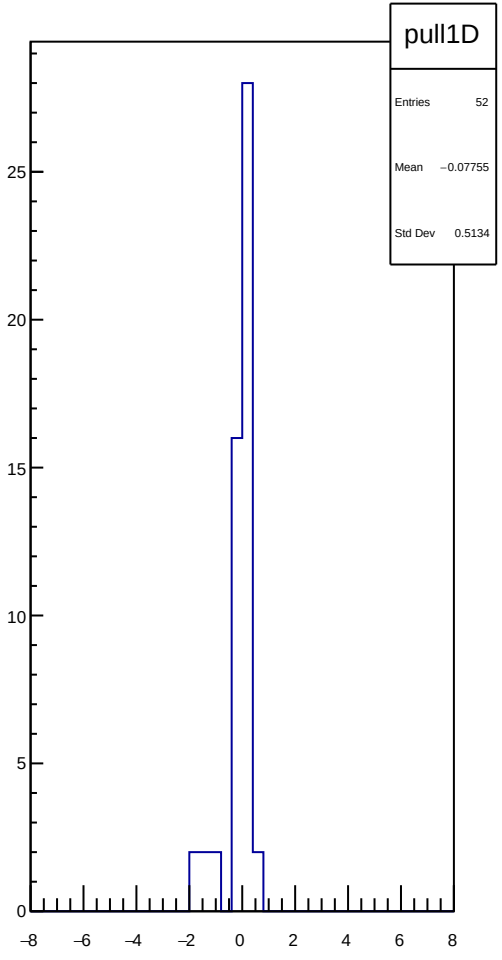

pull1D
Entries 0
Mean 0
Std Dev 0
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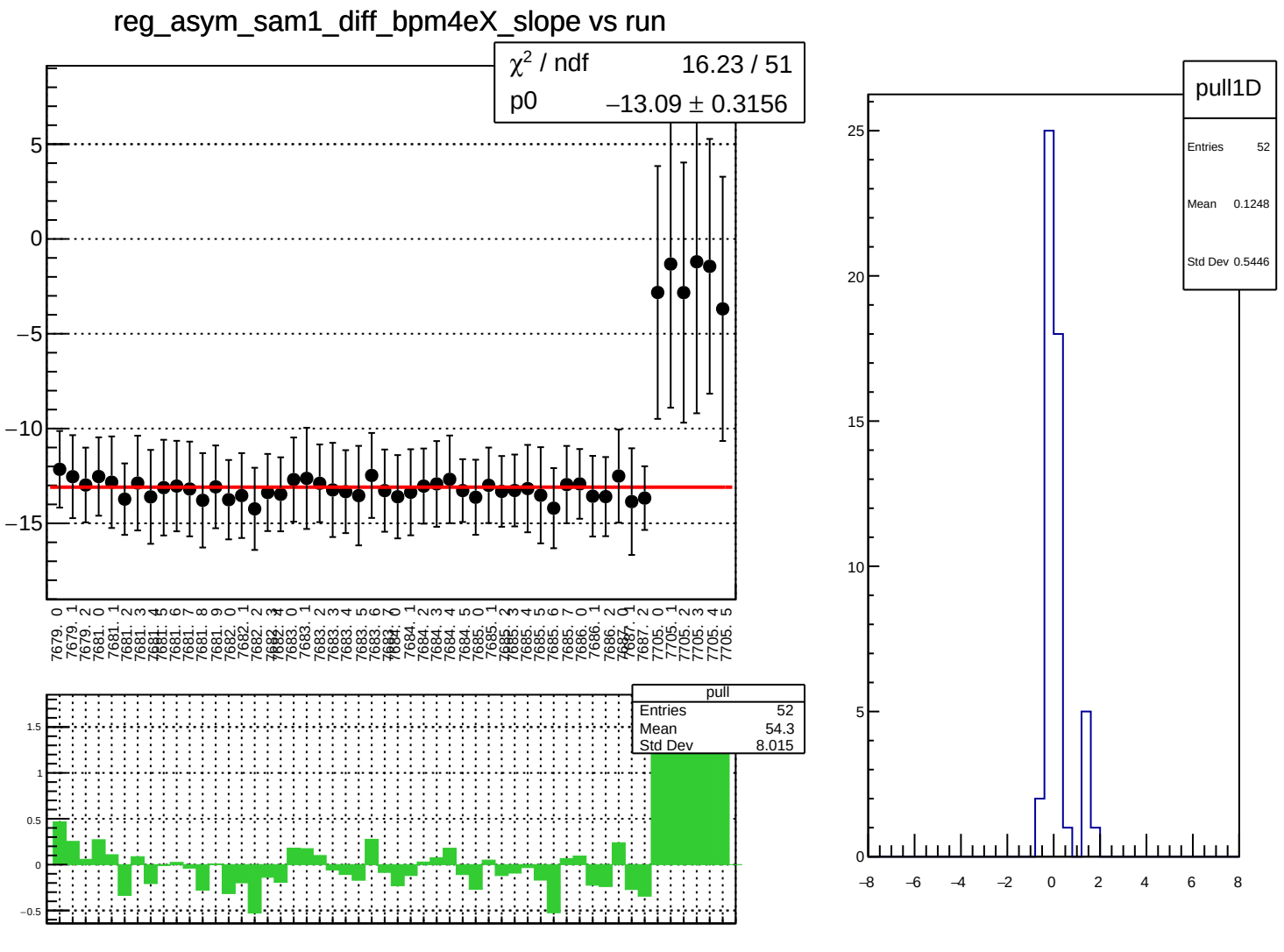

pull
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Mean 0
Std Dev 0
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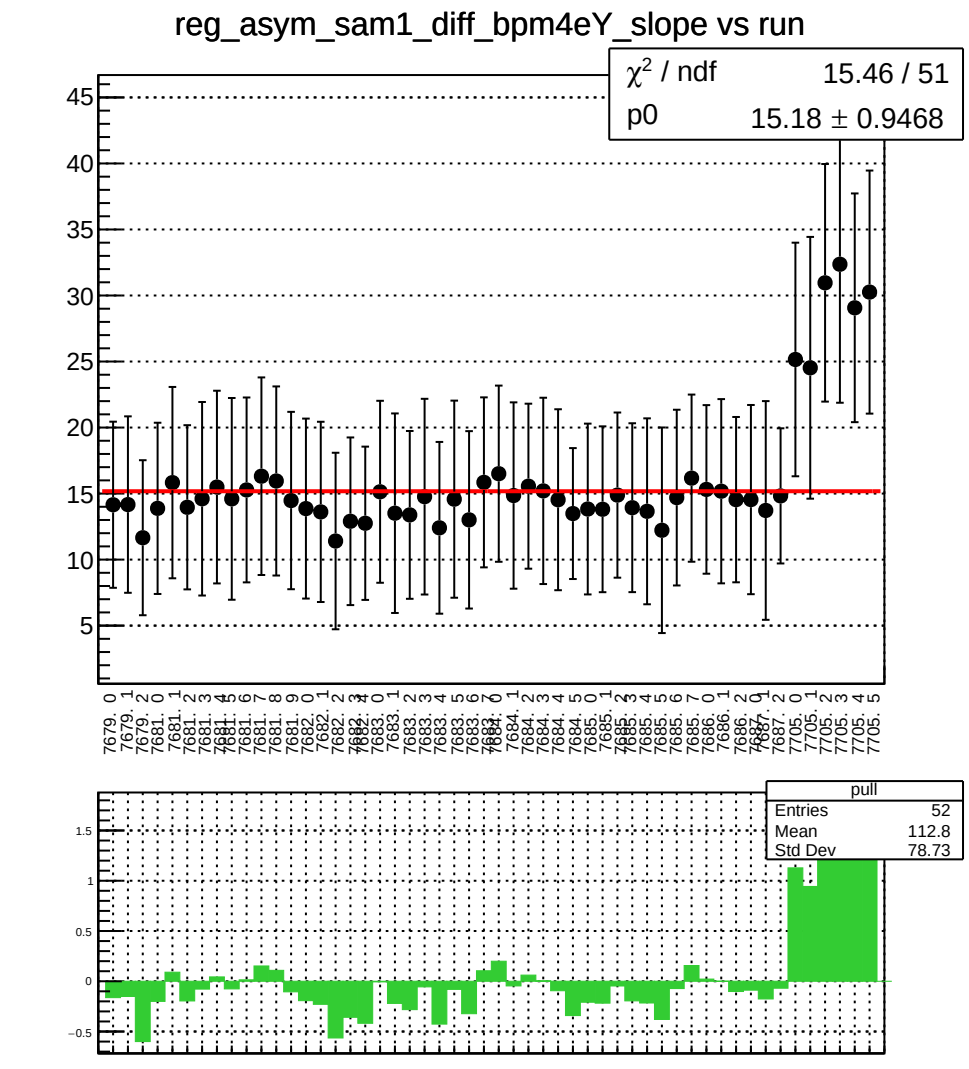

pull1D
Entries 0
Mean 0
Std Dev 0
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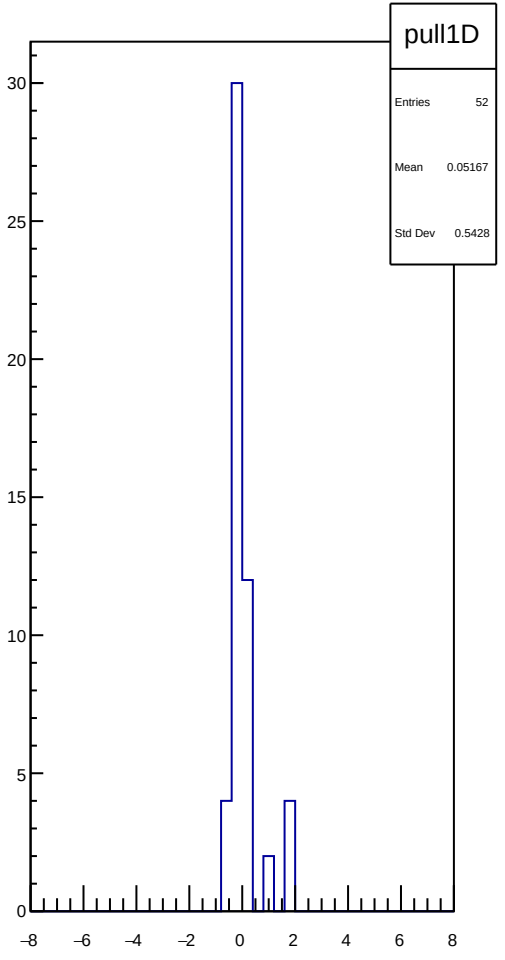

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 18.1 / 51
p0 −1.729 ± 0.3907
pull
Entries 52
Mean 53.26
Std Dev 7.628
pull1D
Entries 52
Mean −0.1233
Std Dev 0.577

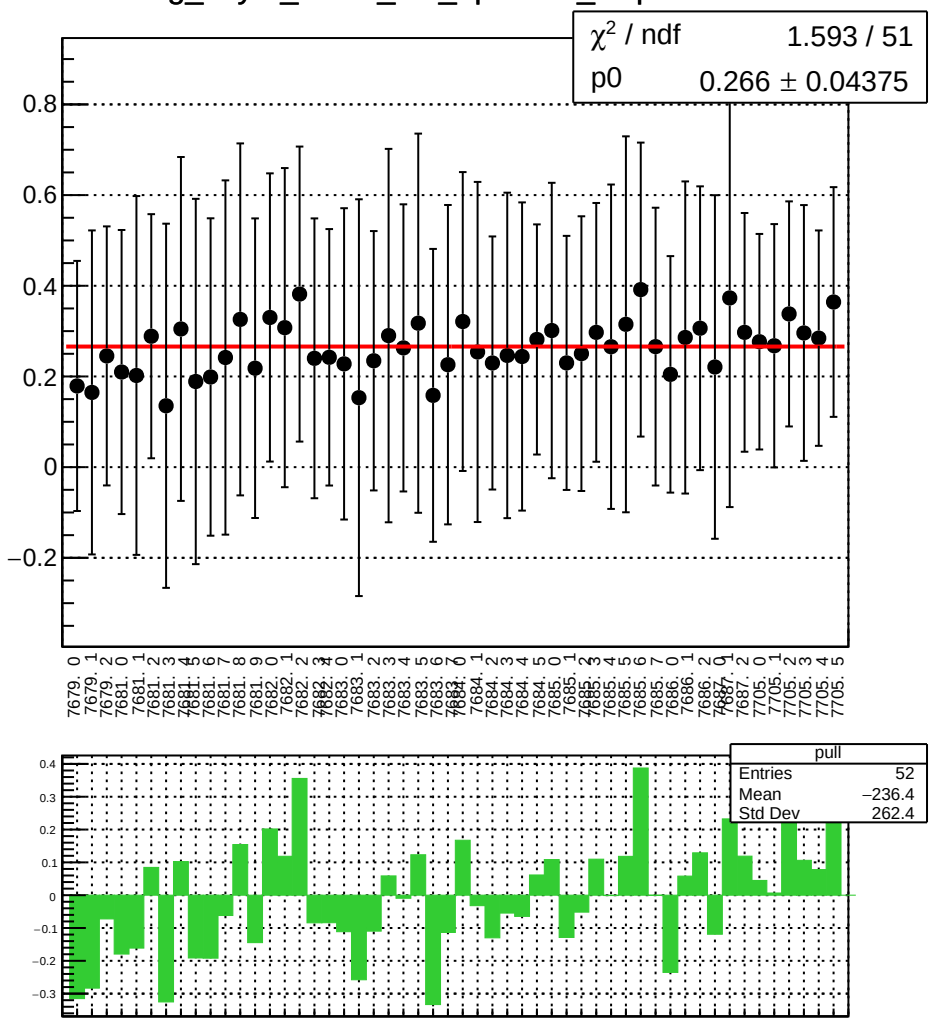

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 14.02 / 51
p0 −59.83 ± 0.6511
pull
Entries 52
Mean 74.34
Std Dev 37.15

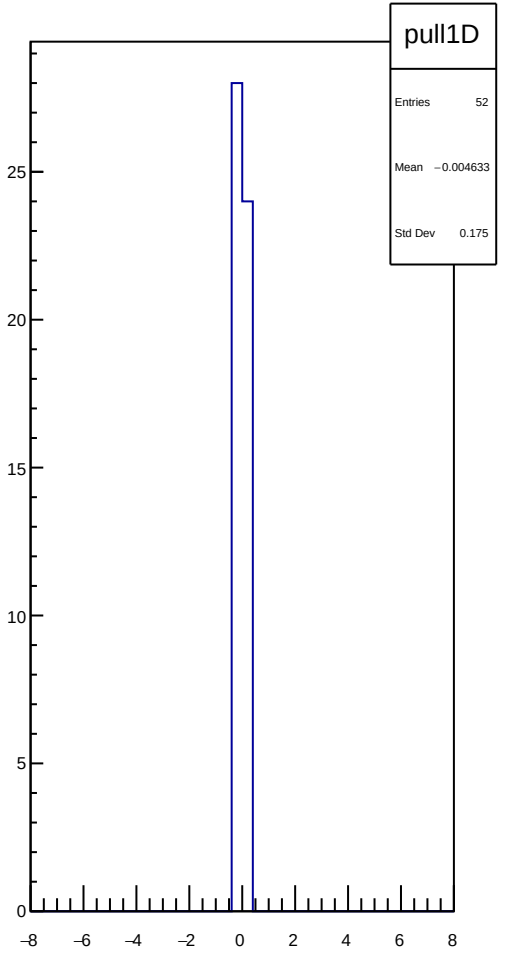

pull1D
Entries 52
Mean −0.07755
Std Dev 0.5134

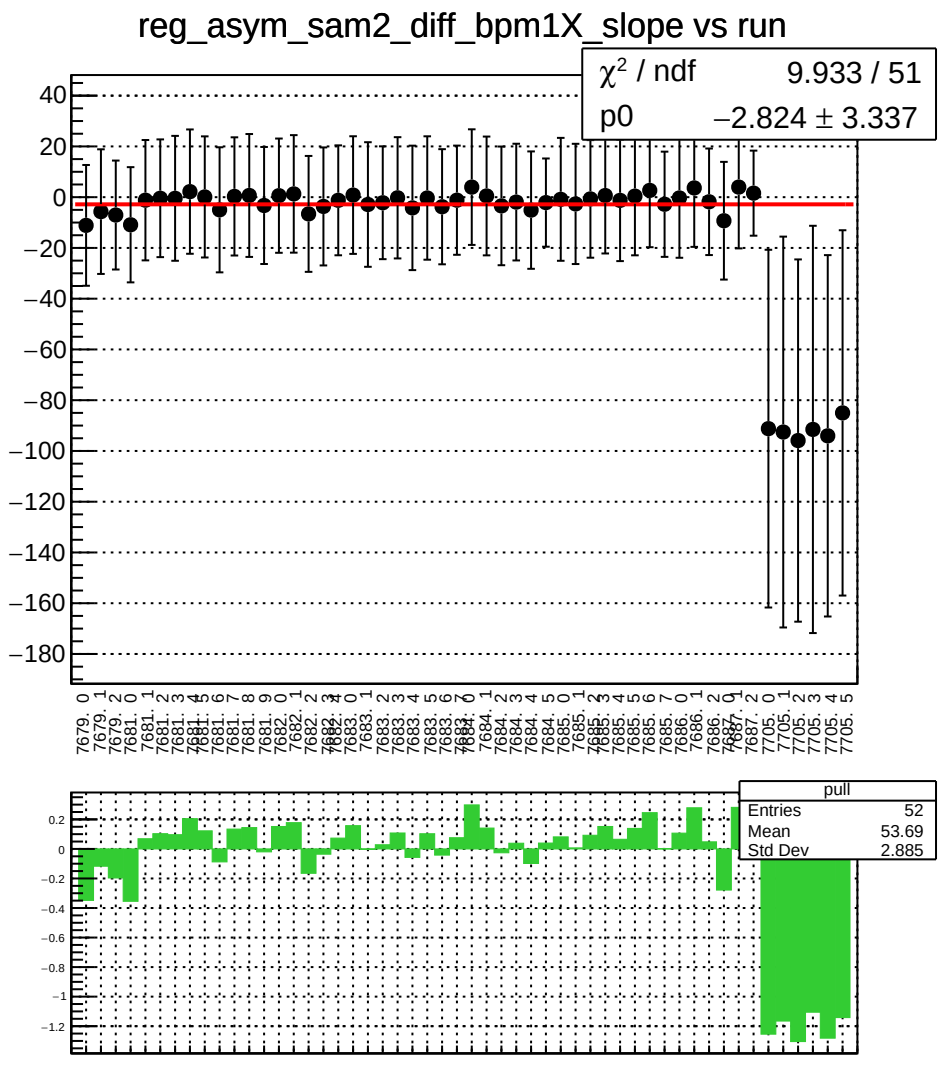

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 16.23 / 51
p0 −13.09 ± 0.3156
pull
Entries 52
Mean 54.3
Std Dev 8.015
pull1D
Entries 52
Mean 0.1248
Std Dev 0.5446

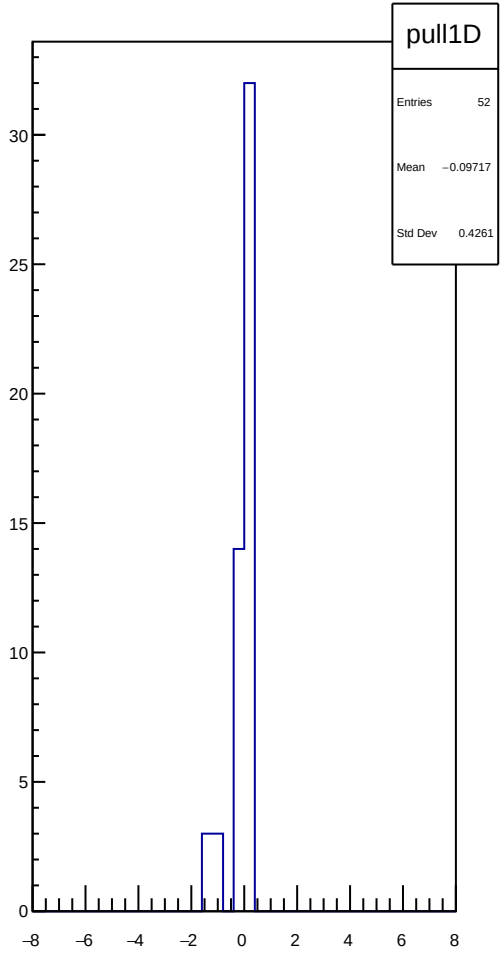

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 15.46 / 51
p0 15.18 ± 0.9468
pull
Entries 52
Mean 112.8
Std Dev 78.73

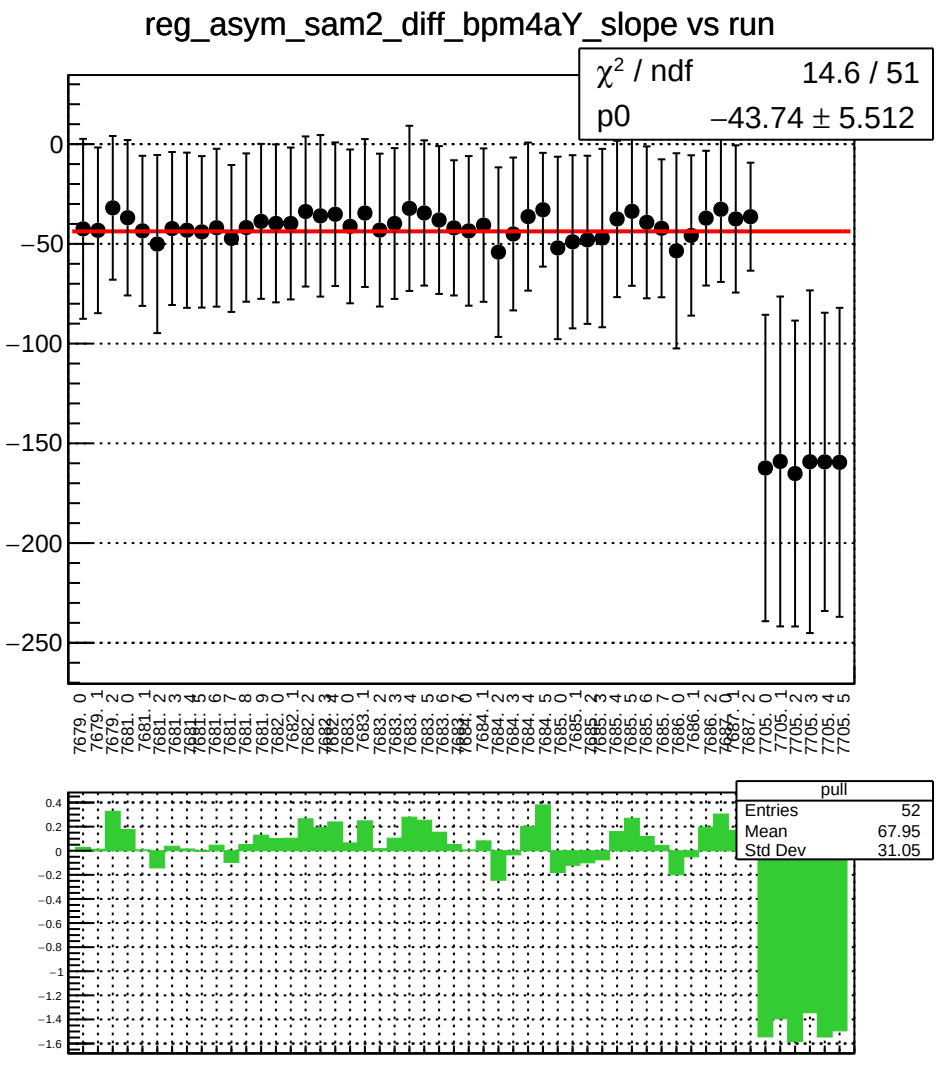

pull1D
Entries 52
Mean 0.05167
Std Dev 0.5428

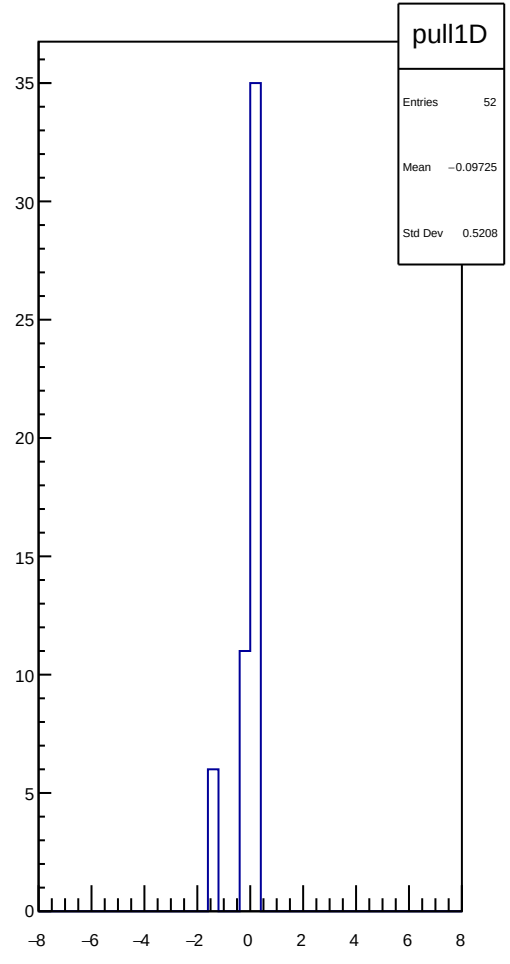

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 1.593 / 51
p0 0.266 ± 0.04375
pull
Entries 52
Mean −236.4
Std Dev 262.4

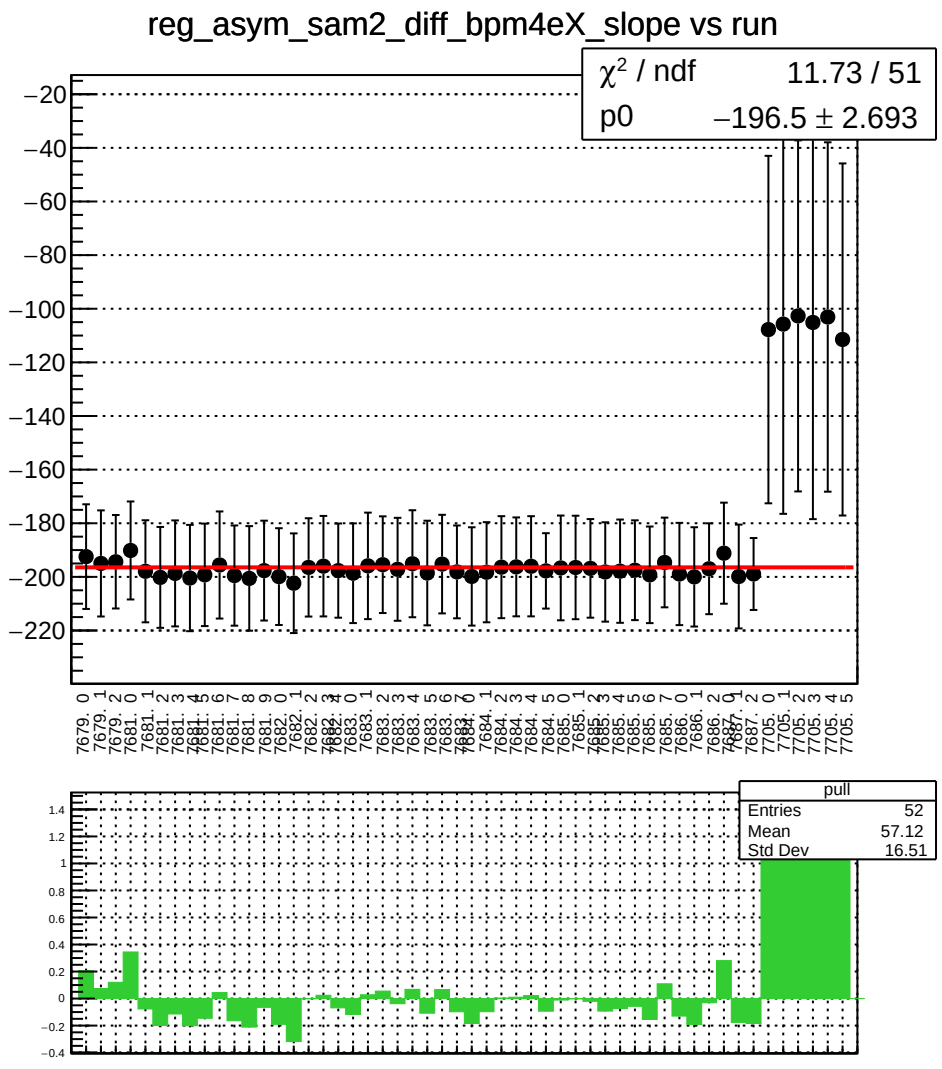

pull1D
Entries 52
Mean −0.004633
Std Dev 0.175

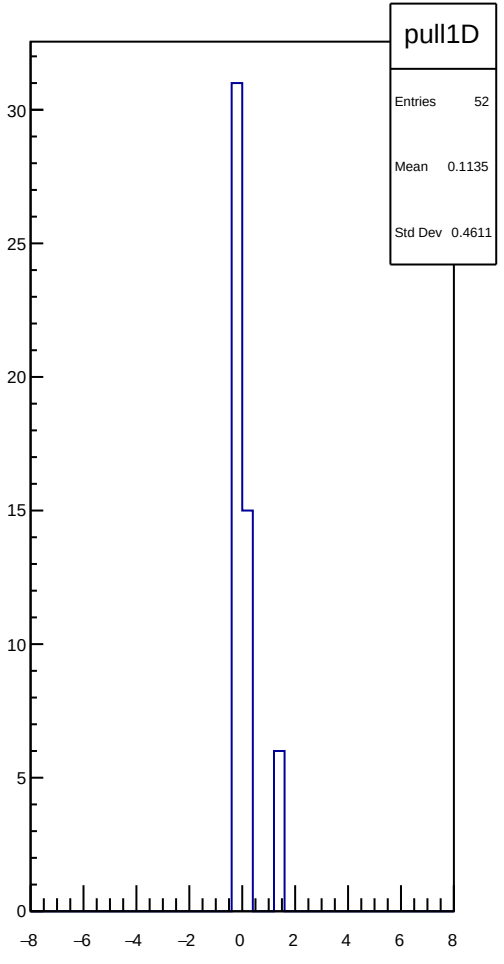

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 9.933 / 51
p0 −2.824 ± 3.337
pull
Entries 52
Mean 53.69
Std Dev 2.885

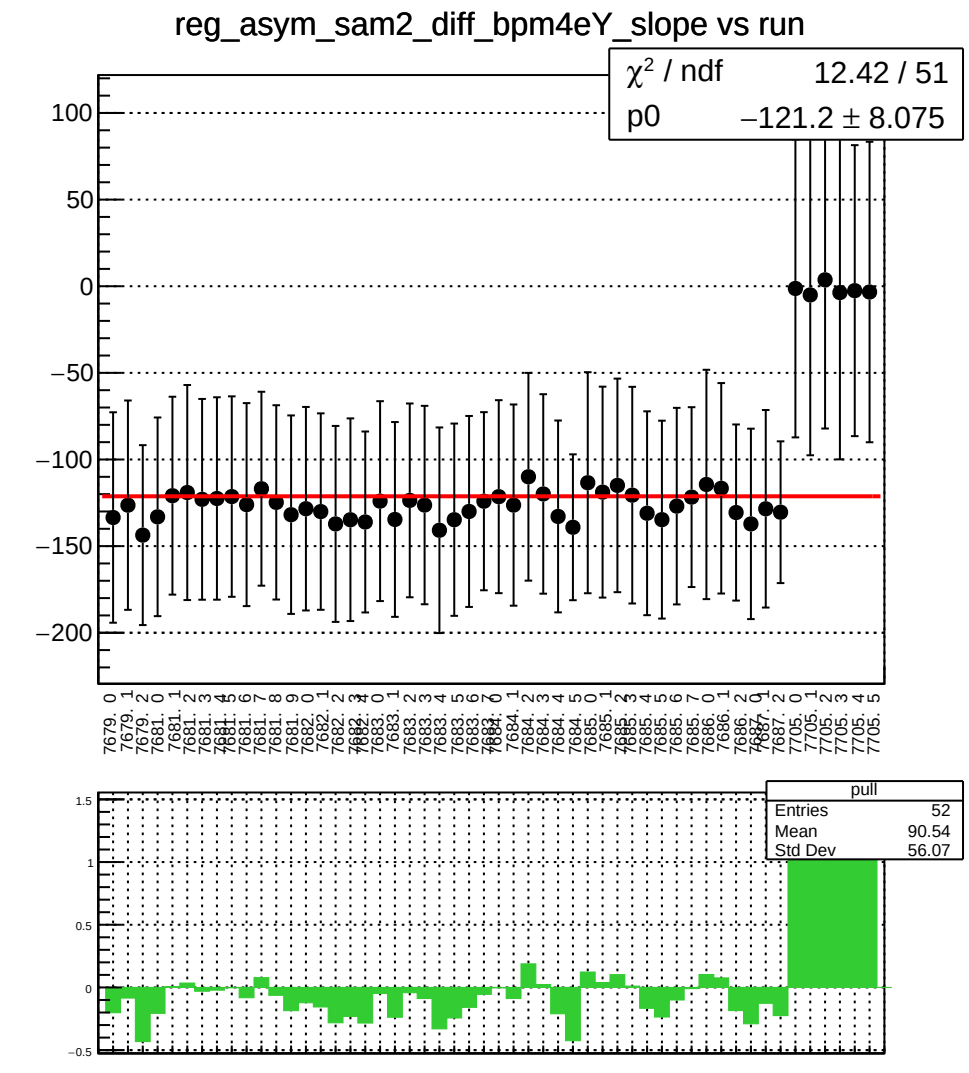

pull1D
Entries 52
Mean −0.09717
Std Dev 0.4261

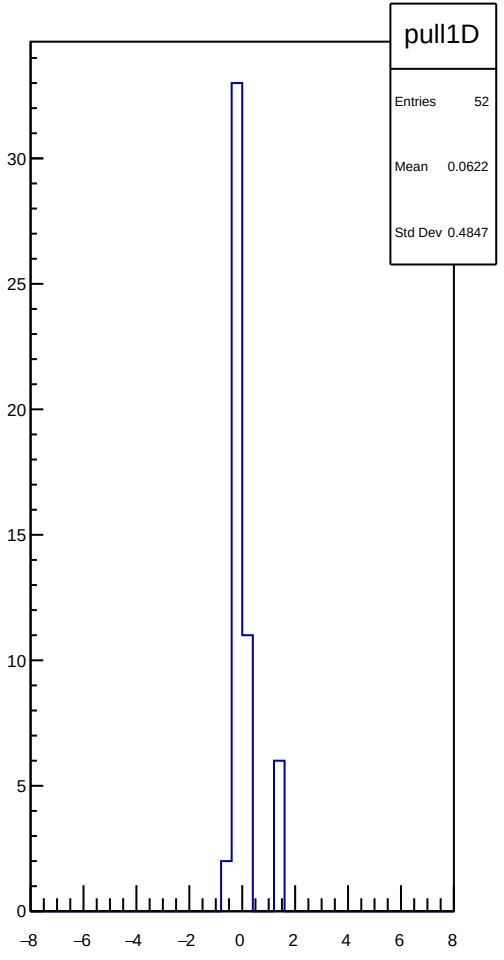

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 14.6 / 51
p0 −43.74 ± 5.512
pull
Entries 52
Mean 67.95
Std Dev 31.05

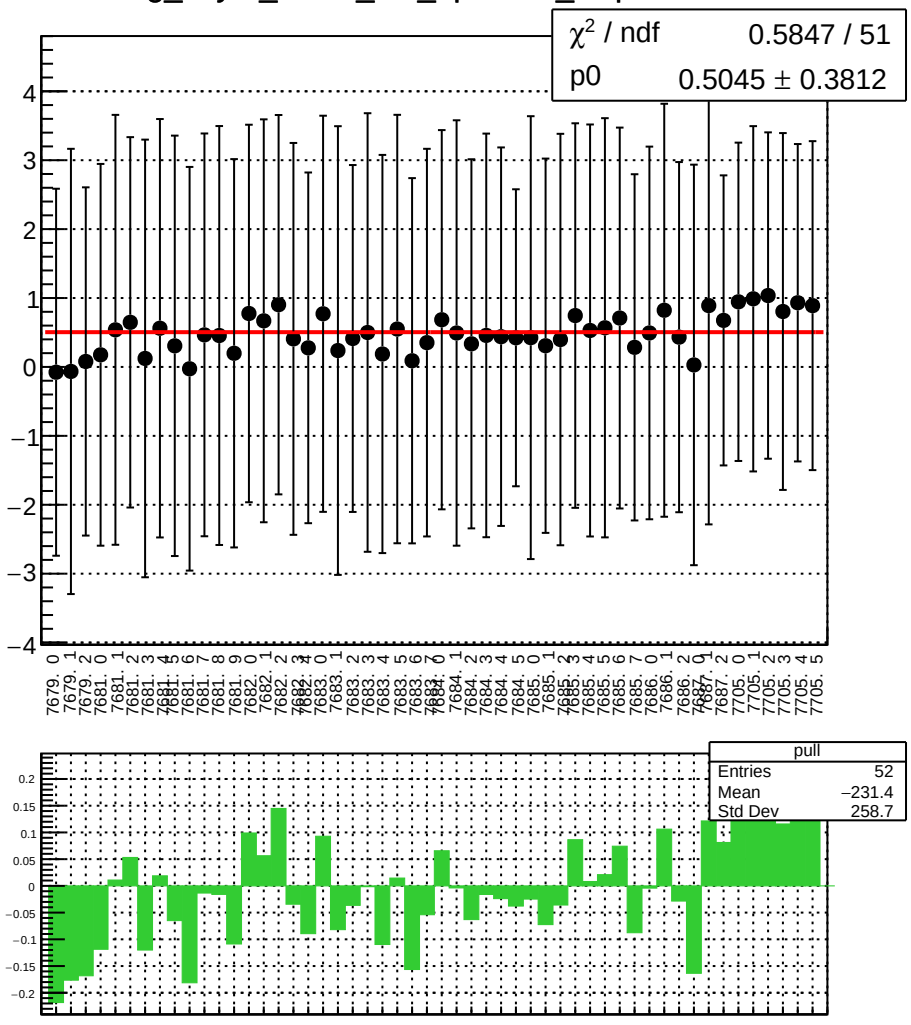

pull1D
Entries 52
Mean −0.09725
Std Dev 0.5208

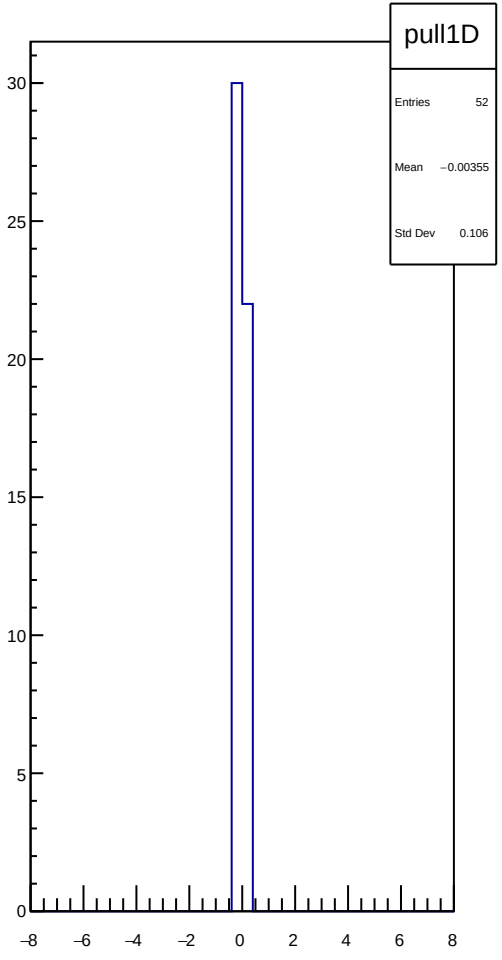

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 11.73 / 51
p0 −196.5 ± 2.693
pull
Entries 52
Mean 57.12
Std Dev 16.51

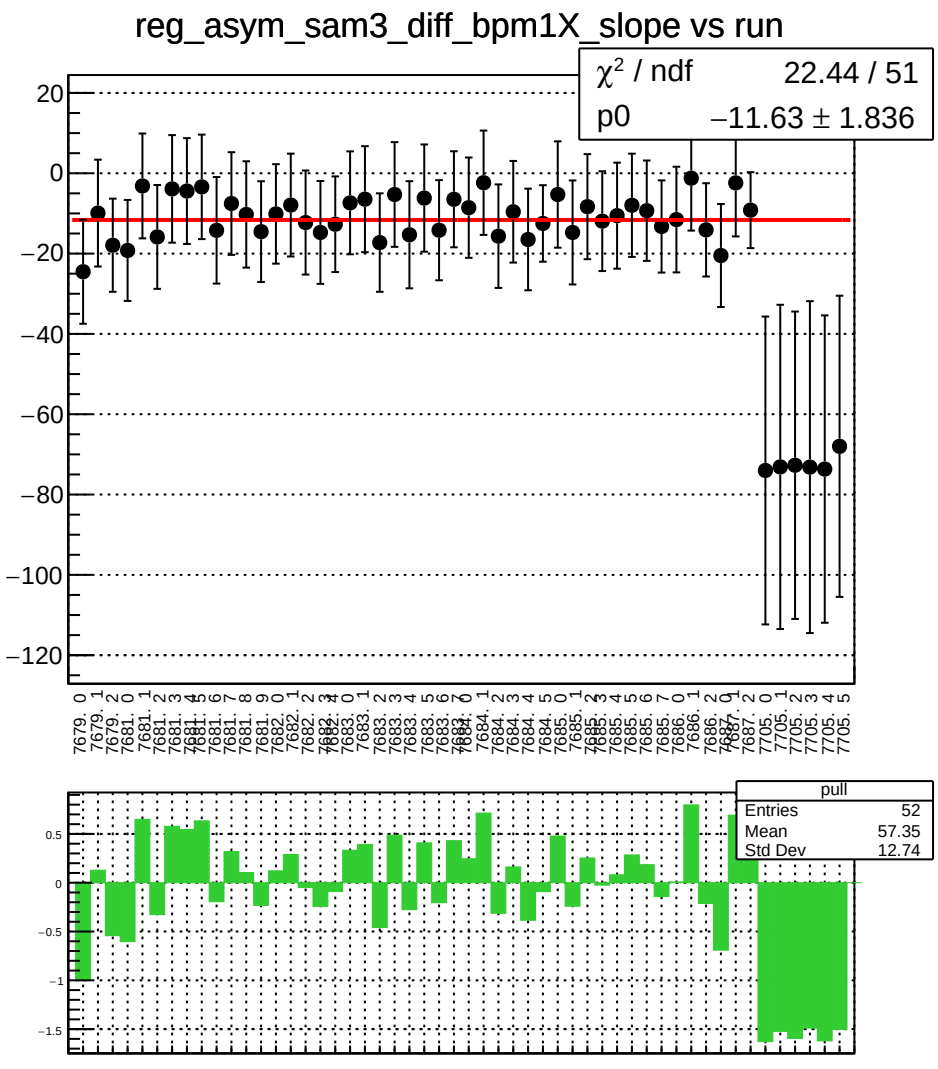

pull1D
Entries 52
Mean 0.1135
Std Dev 0.4611

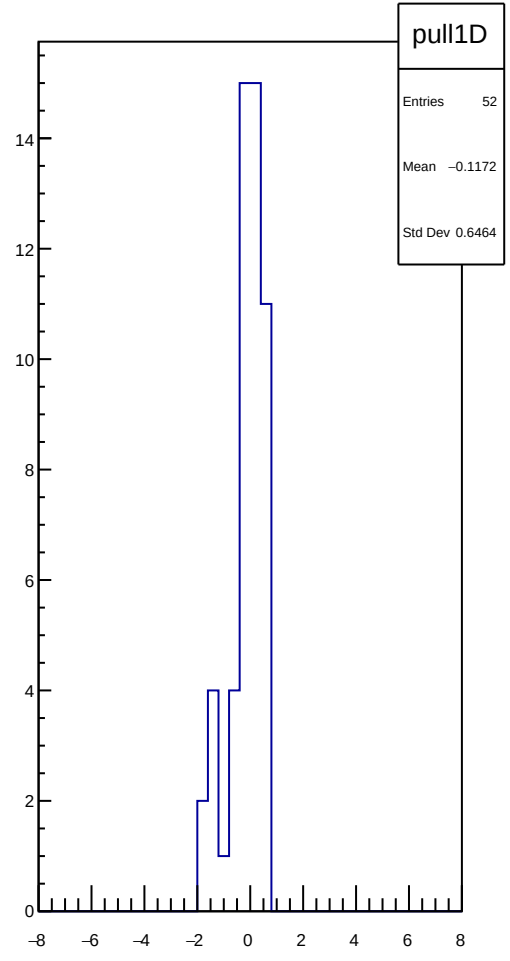

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 12.42 / 51
p0 −121.2 ± 8.075
pull
Entries 52
Mean 90.54
Std Dev 56.07

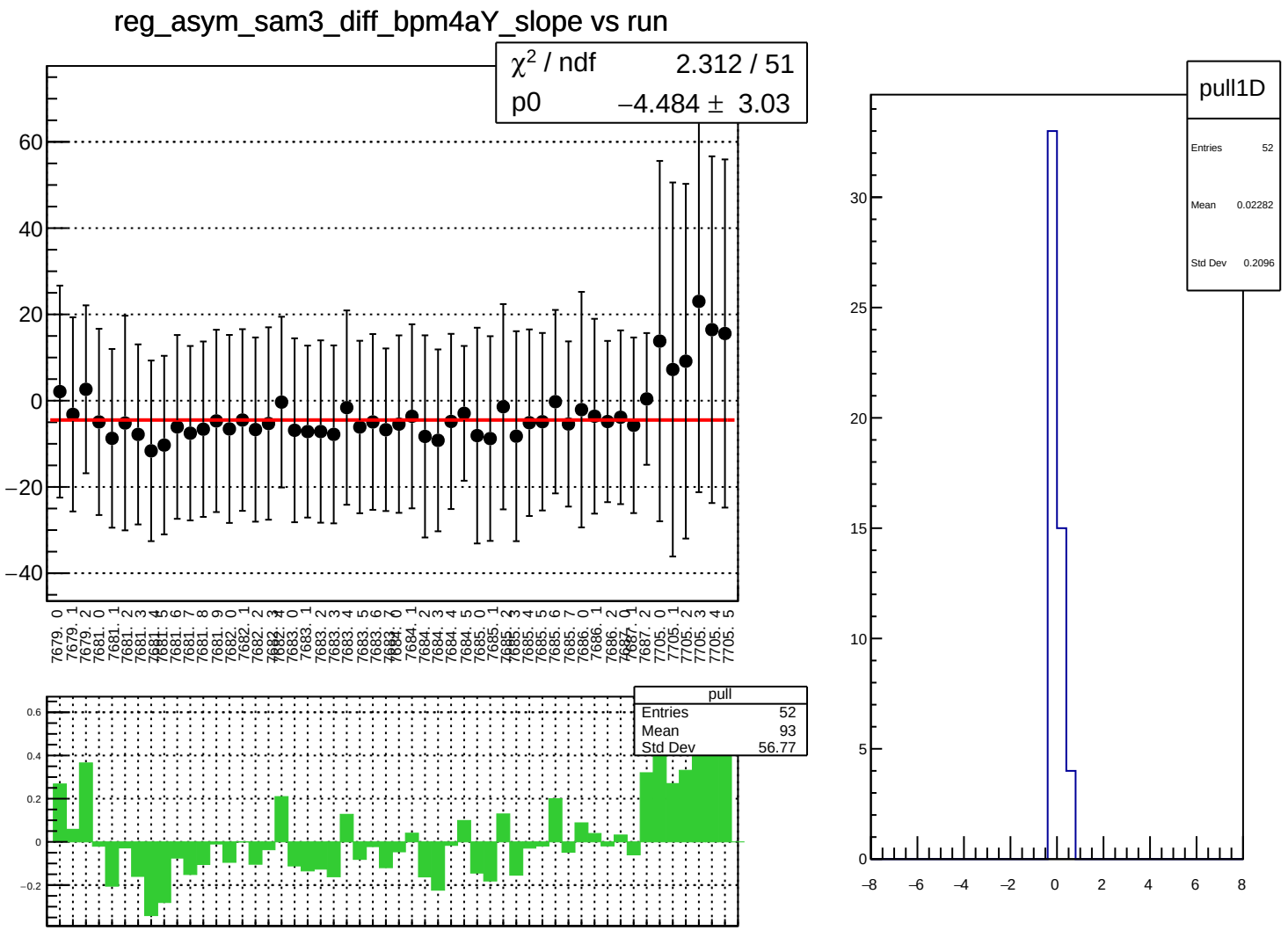

pull1D
Entries 52
Mean 0.0622
Std Dev 0.4847

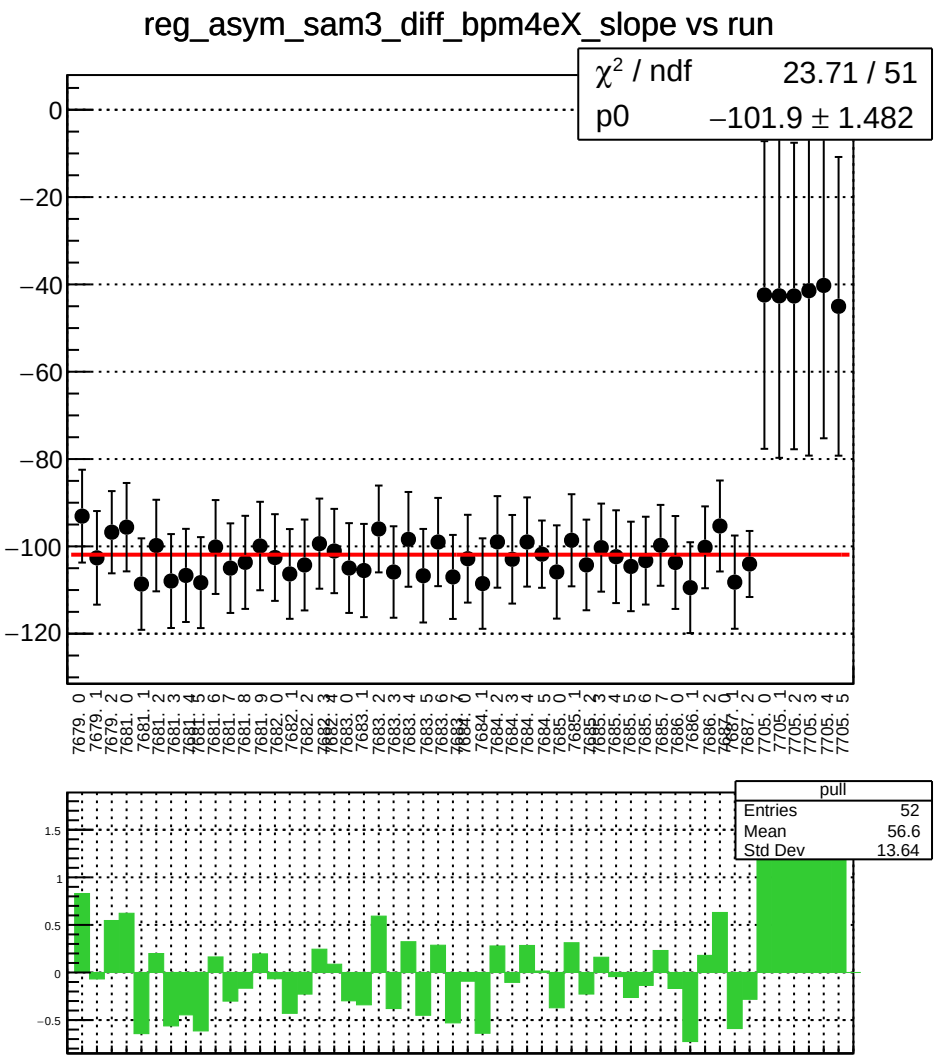

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.5847 / 51
p0 0.5045 ± 0.3812
pull
Entries 52
Mean −231.4
Std Dev 258.7

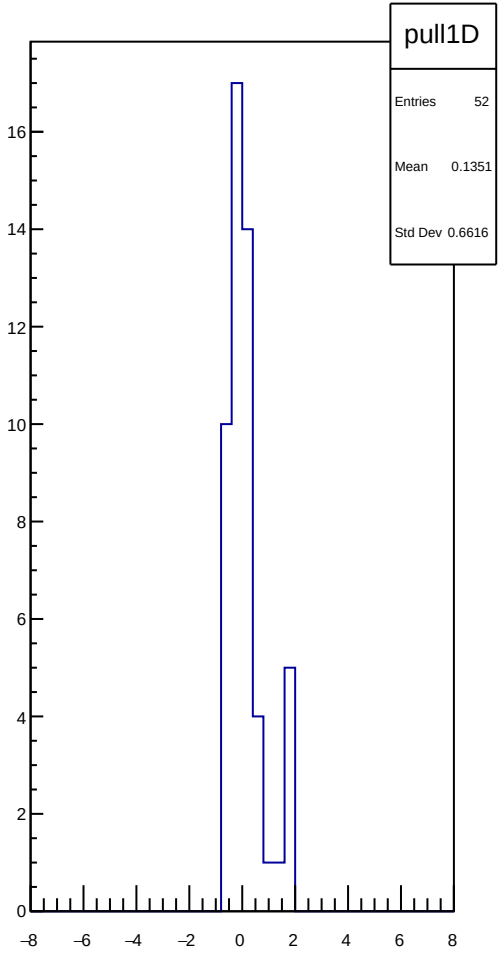

pull1D
Entries 52
Mean −0.00355
Std Dev 0.106

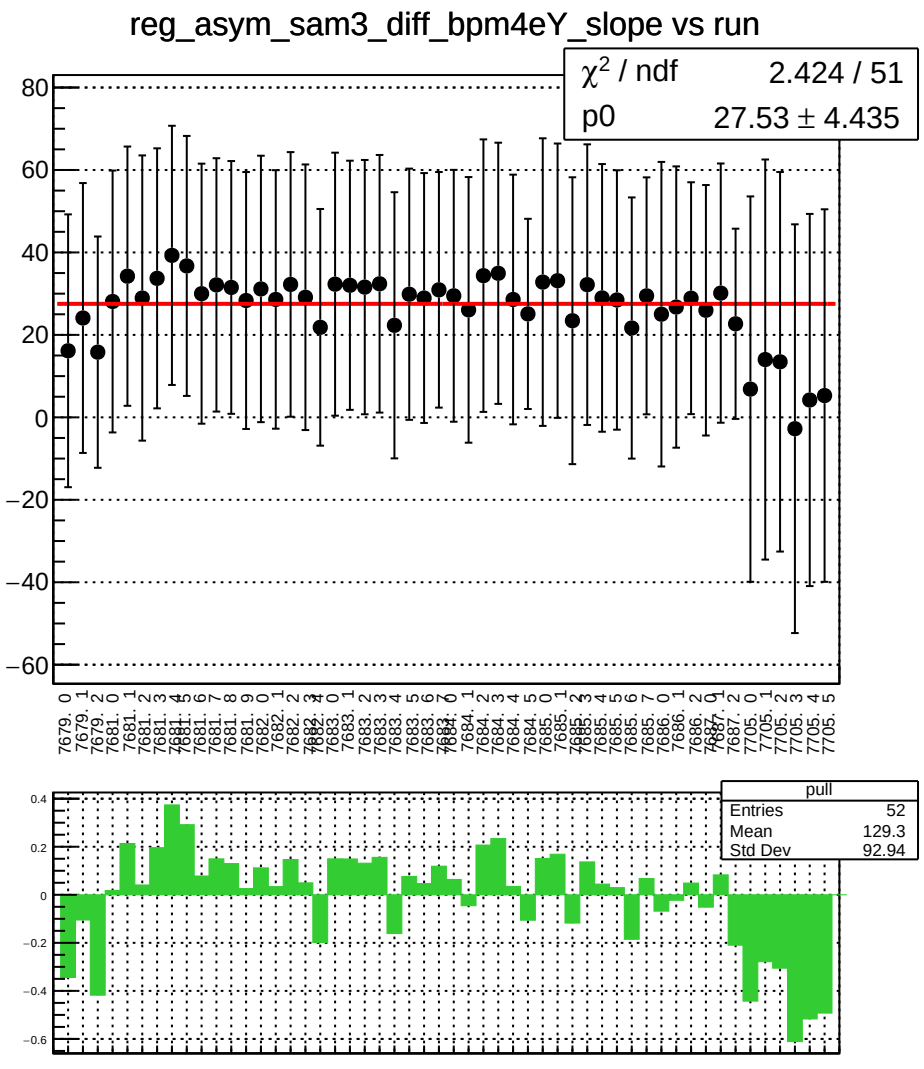

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 22.44 / 51
p0 −11.63 ± 1.836
pull
Entries 52
Mean 57.35
Std Dev 12.74

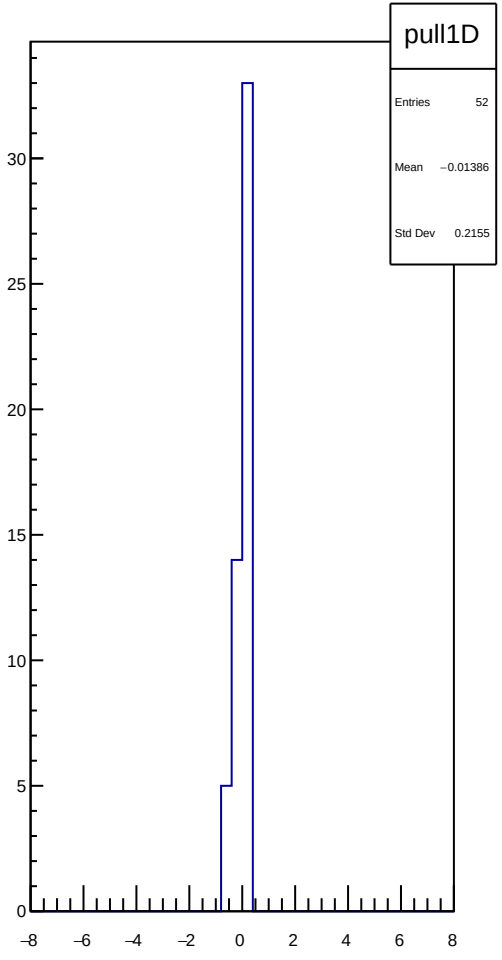

pull1D
Entries 52
Mean −0.1172
Std Dev 0.6464

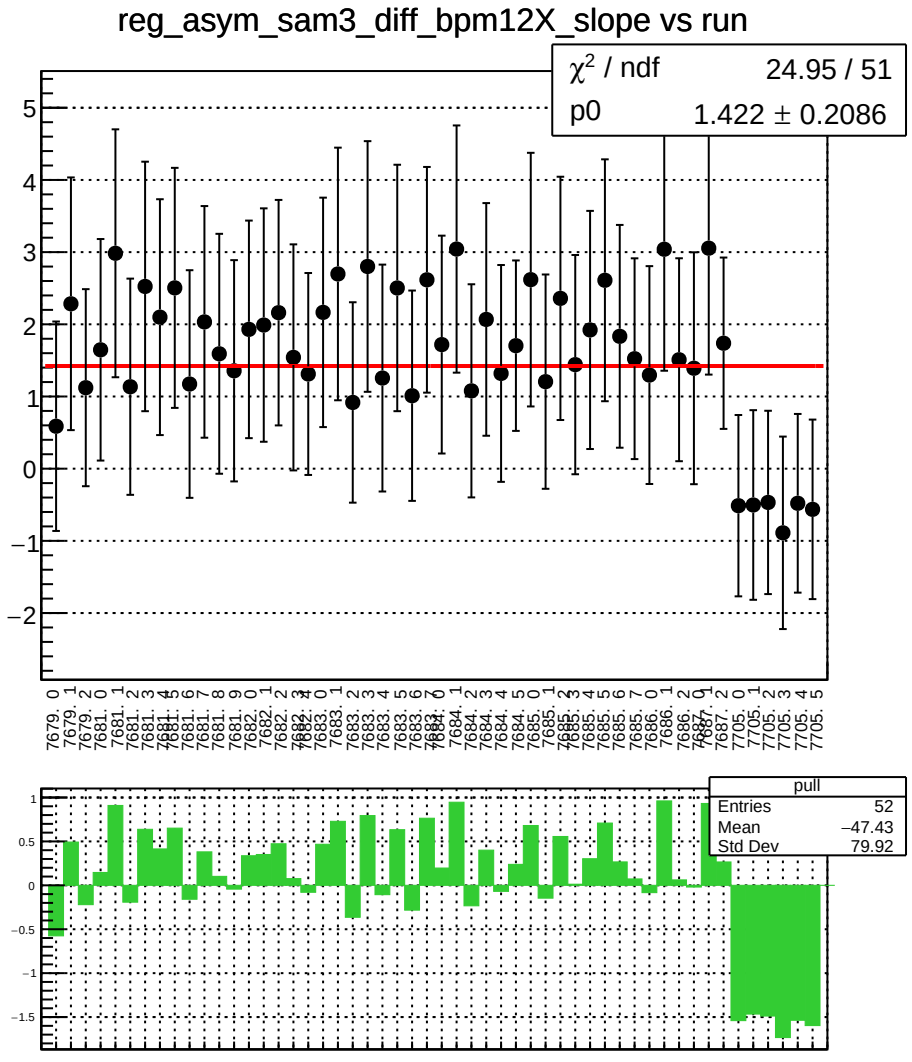

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 2.312 / 51
p0 −4.484 ± 3.03
pull
Entries 52
Mean 93
Std Dev 56.77
pull1D
Entries 52
Mean 0.02282
Std Dev 0.2096

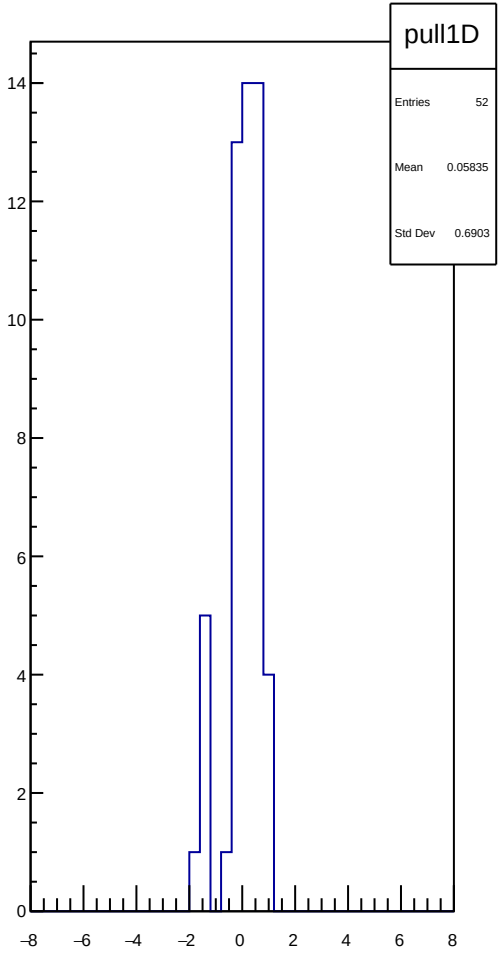

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 23.71 / 51
p0 −101.9 ± 1.482
pull
Entries 52
Mean 56.6
Std Dev 13.64

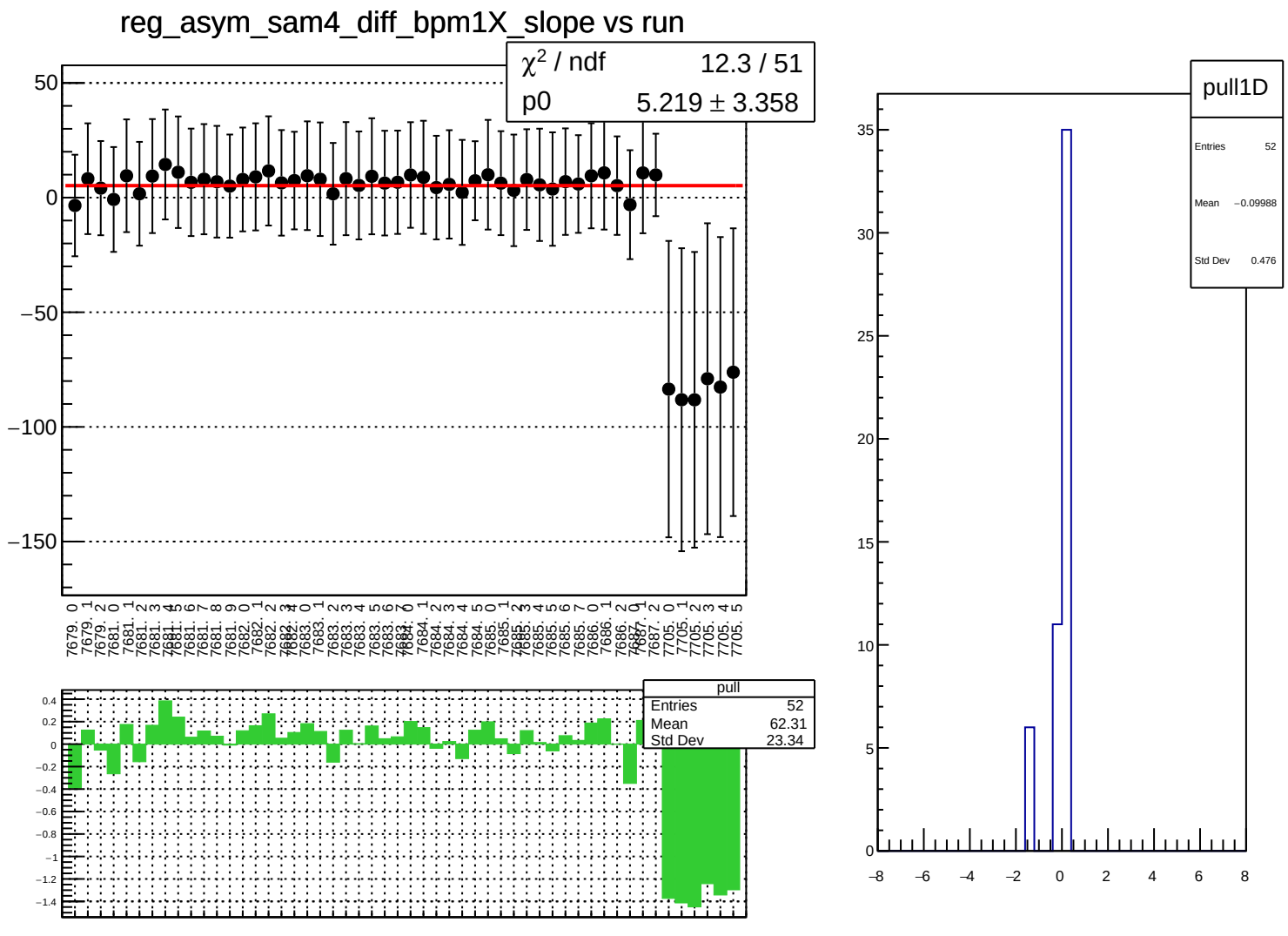

pull1D
Entries 52
Mean 0.1351
Std Dev 0.6616

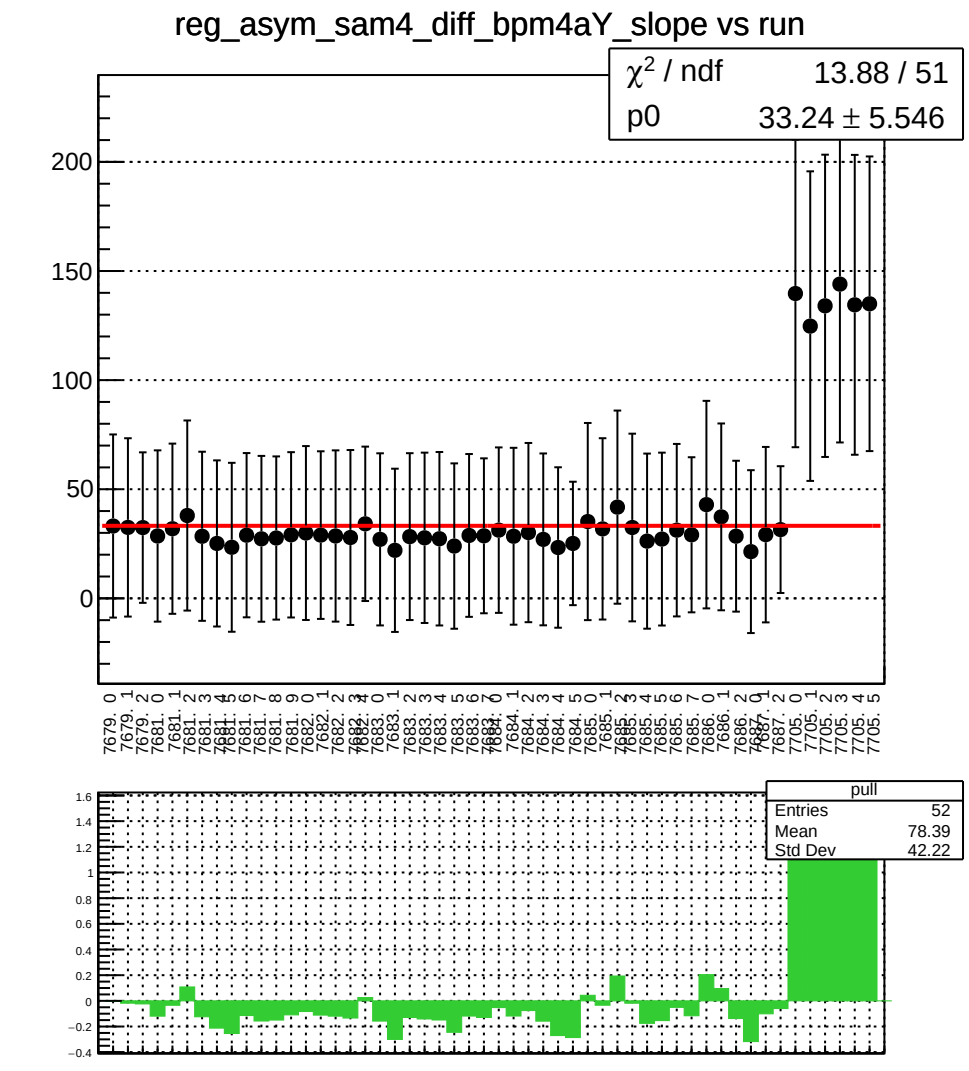

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.424 / 51
p0 27.53 ± 4.435
pull
Entries 52
Mean 129.3
Std Dev 92.94

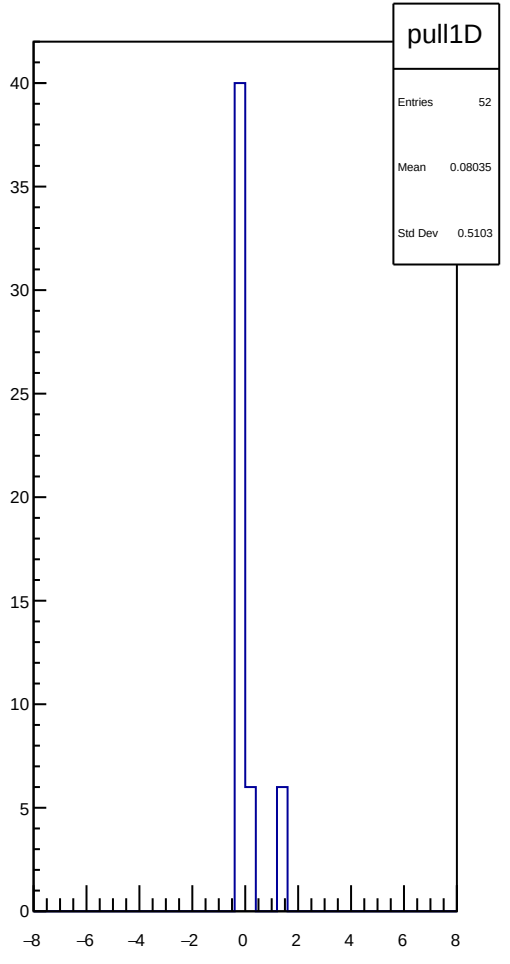

pull1D
Entries 52
Mean −0.01386
Std Dev 0.2155

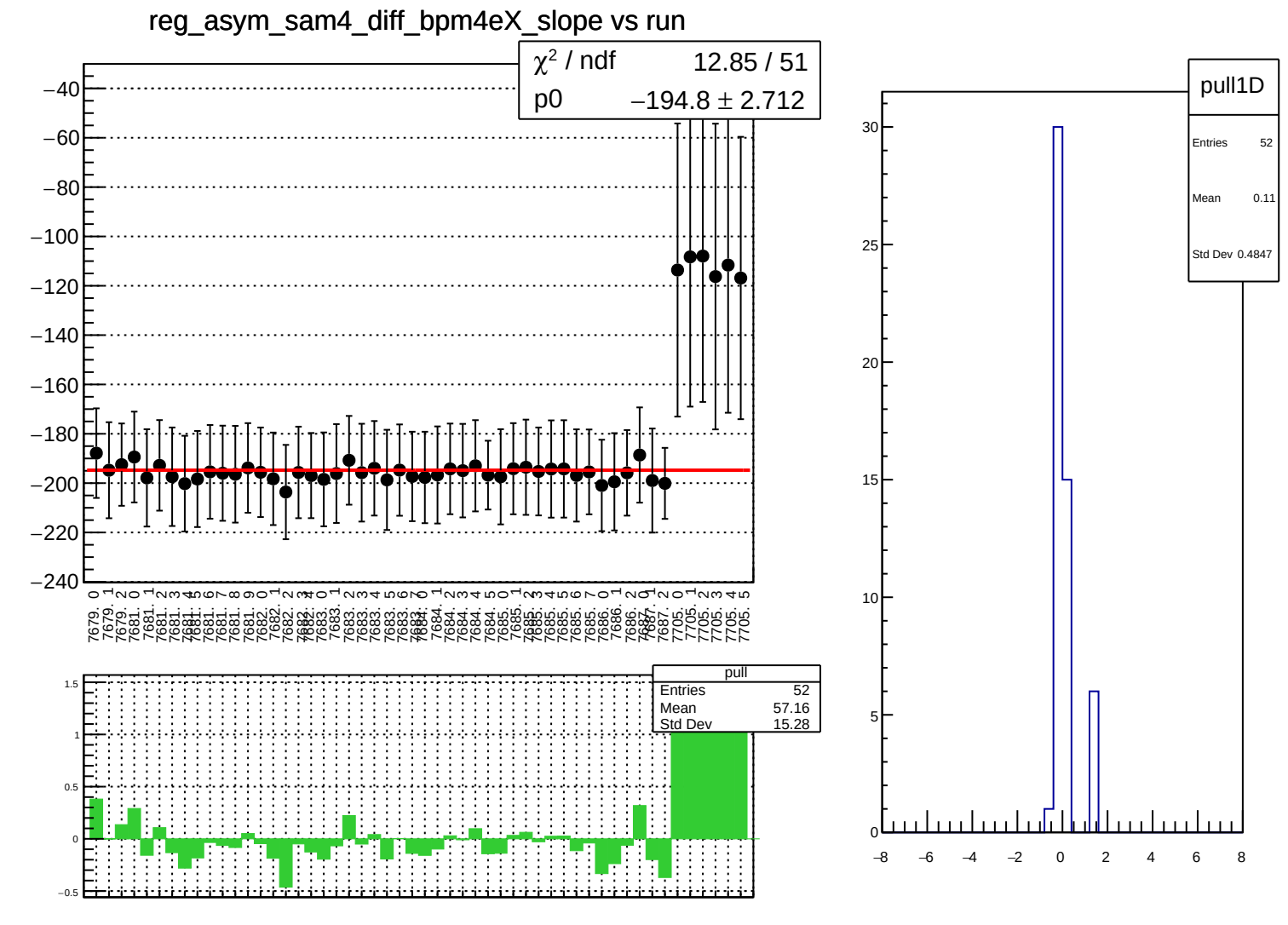

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 24.95 / 51
p0 1.422 ± 0.2086
pull
Entries 52
Mean −47.43
Std Dev 79.92

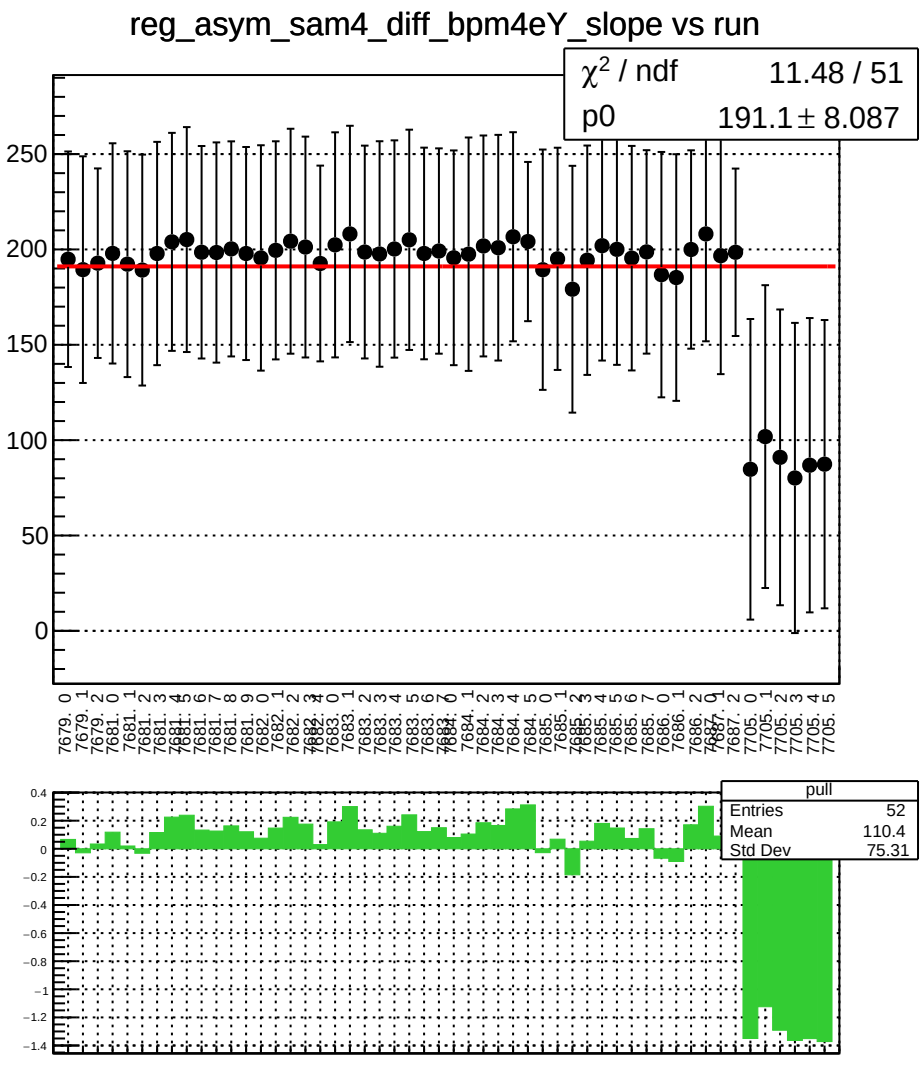

pull1D
Entries 52
Mean 0.05835
Std Dev 0.6903

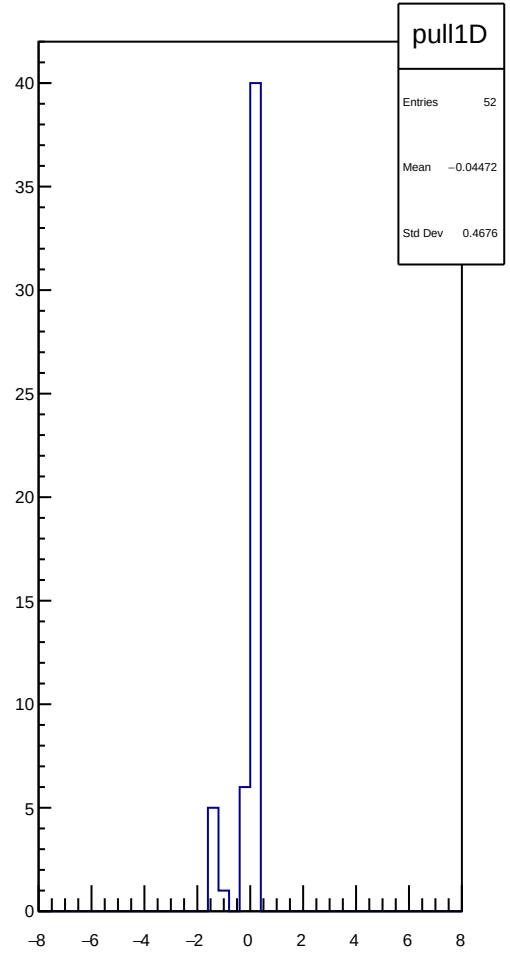

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 12.3 / 51
p0 5.219 ± 3.358
pull
Entries 52
Mean 62.31
Std Dev 23.34
pull1D
Entries 52
Mean −0.09988
Std Dev 0.476

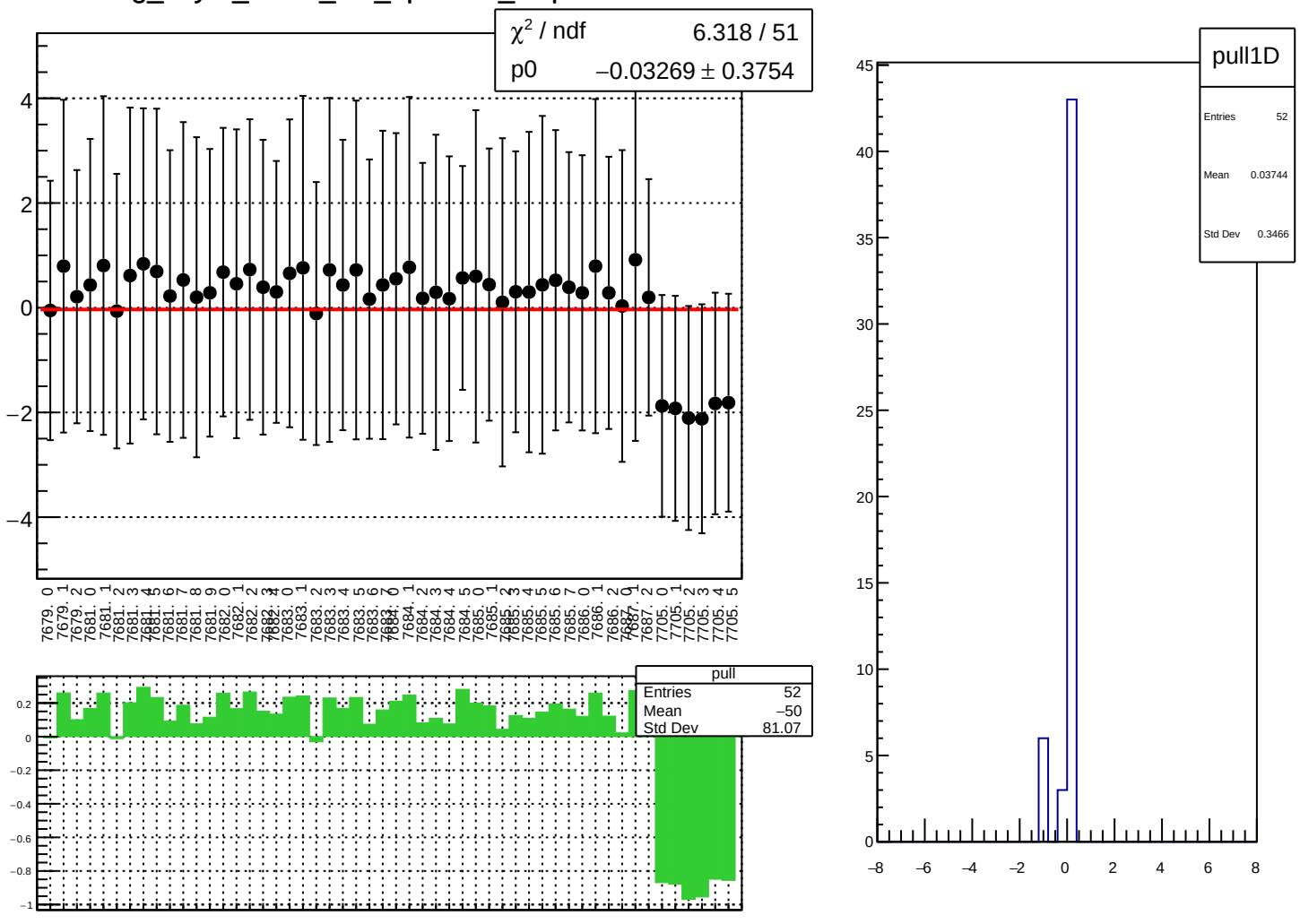

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 13.88 / 51
p0 33.24 ± 5.546
200
150
100
50
0
pull
Entries 52
Mean 78.39
Std Dev 42.22
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

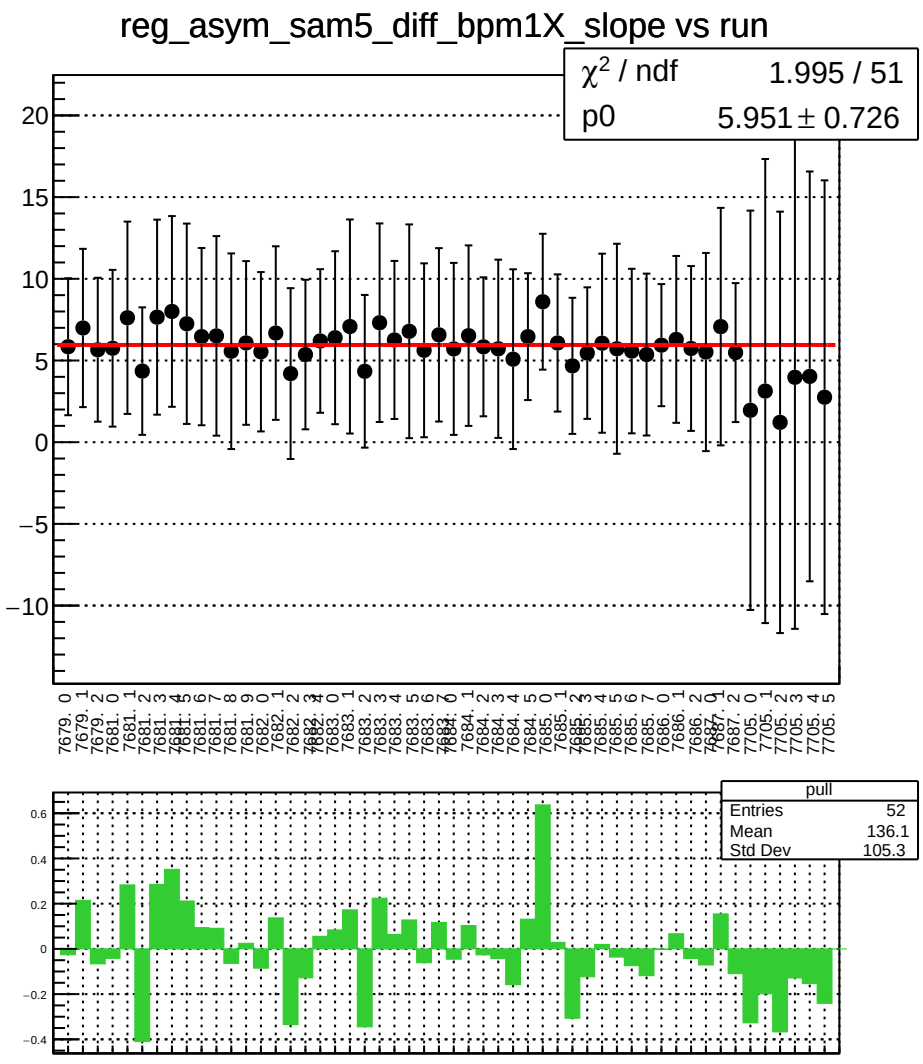

pull1D
Entries 52
Mean 0.08035
Std Dev 0.5103
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

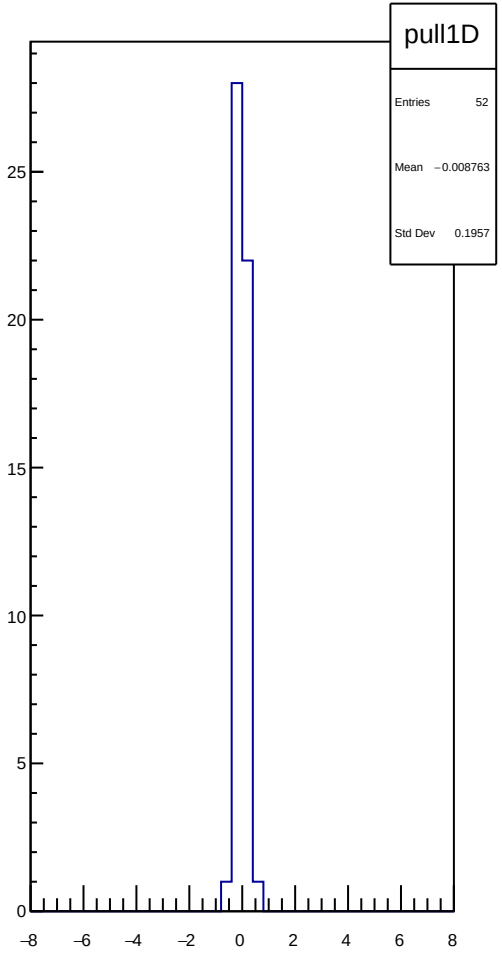

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 12.85 / 51
p0 −194.8 ± 2.712
pull
Entries 52
Mean 57.16
Std Dev 15.28
pull1D
Entries 52
Mean 0.11
Std Dev 0.4847

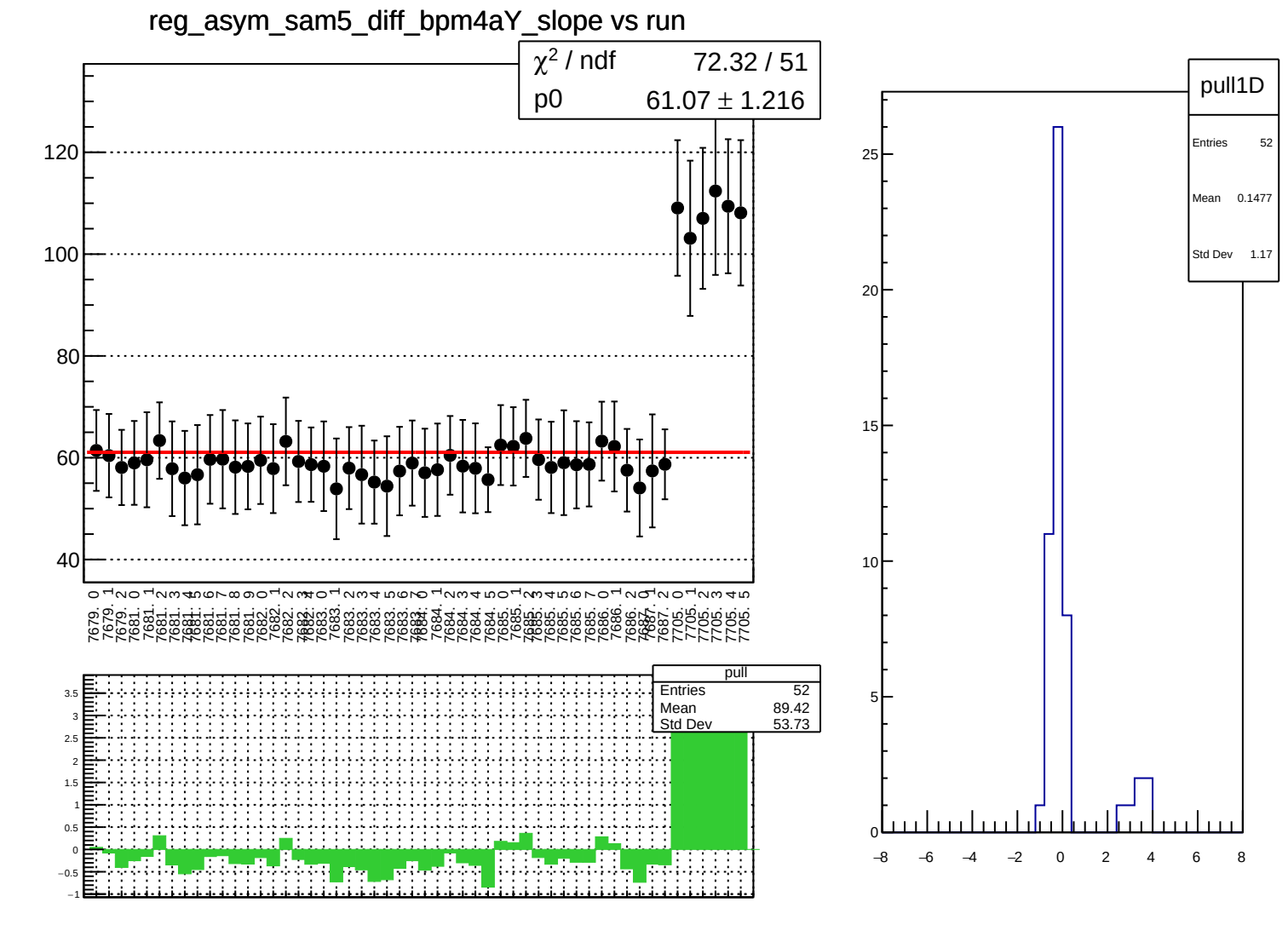

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 11.48 / 51
p0 191.1 ± 8.087
pull
Entries 52
Mean 110.4
Std Dev 75.31

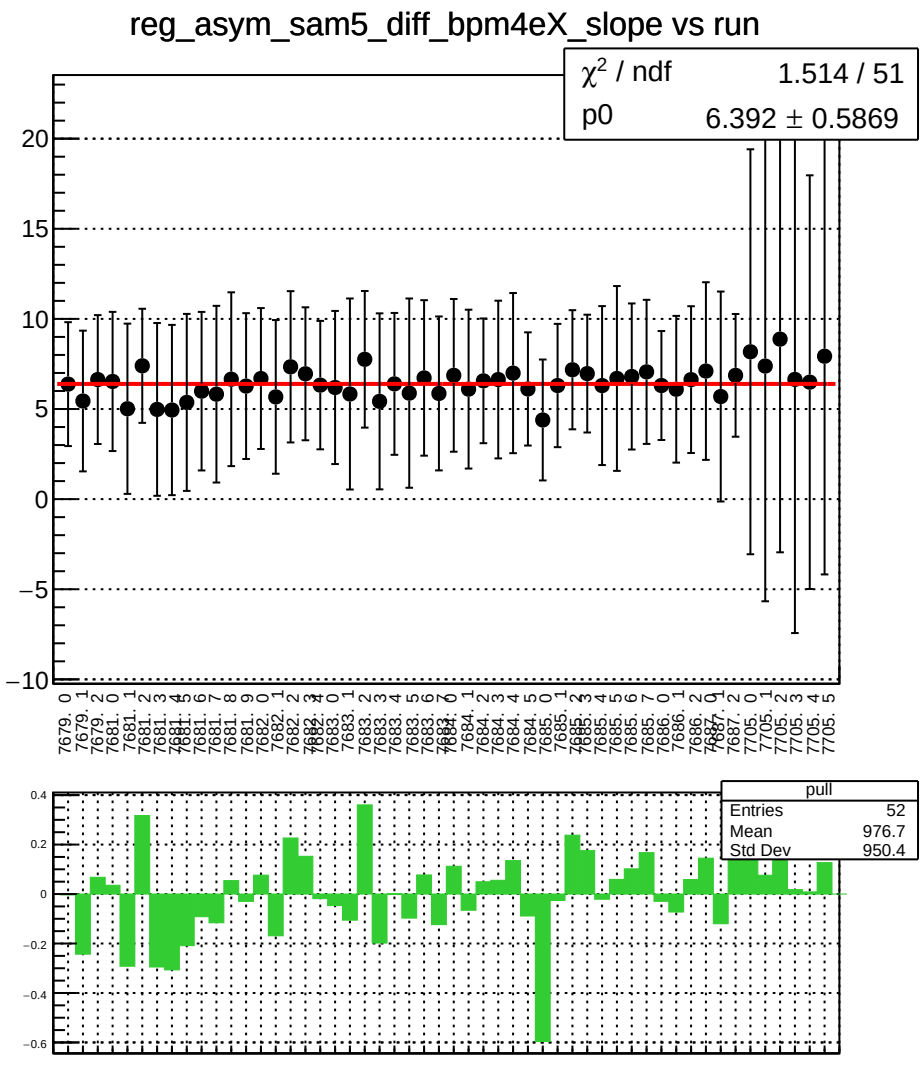

pull1D
Entries 52
Mean −0.04472
Std Dev 0.4676

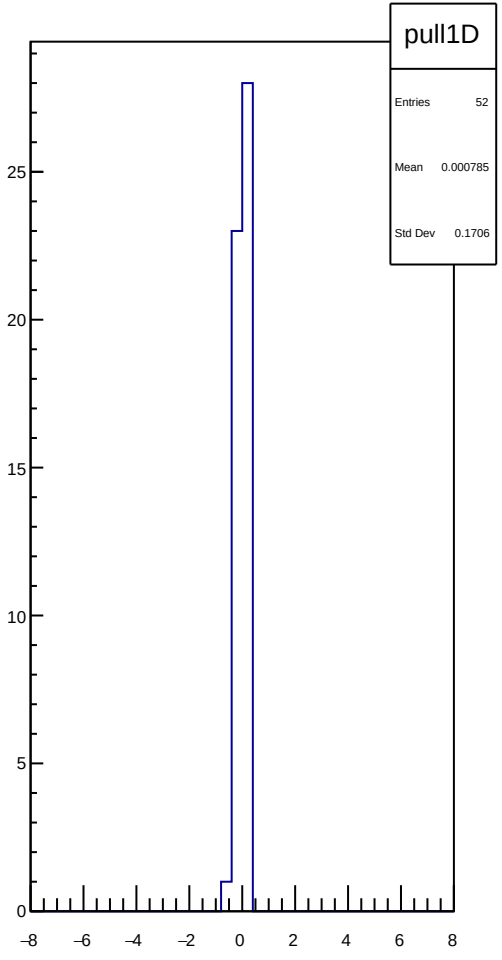

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 6.318 / 51
p0 −0.03269 ± 0.3754
pull
Entries 52
Mean −50
Std Dev 81.07
pull1D
Entries 52
Mean 0.03744
Std Dev 0.3466

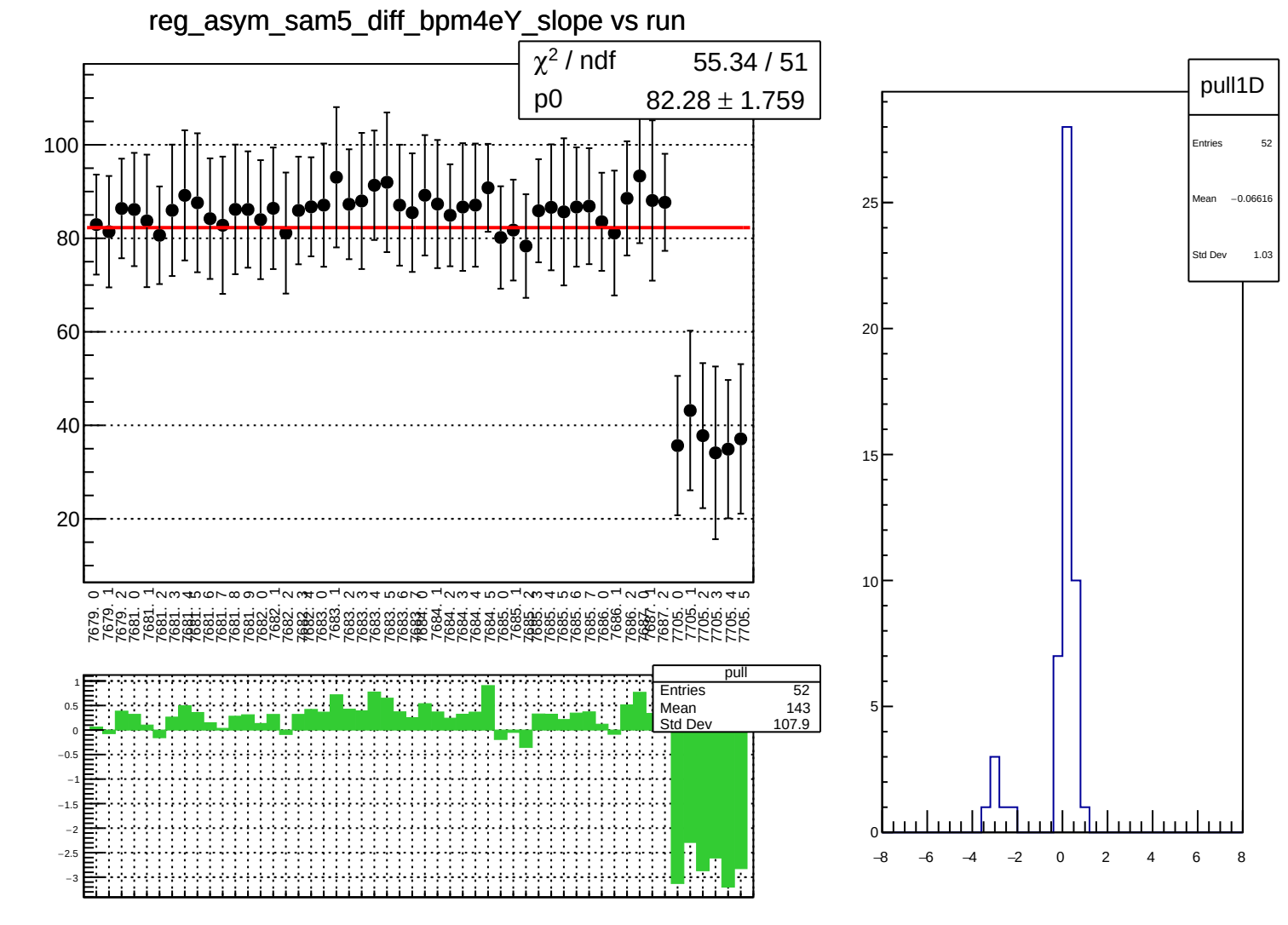

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 1.995 / 51
p0 5.951 ± 0.726
pull
Entries 52
Mean 136.1
Std Dev 105.3

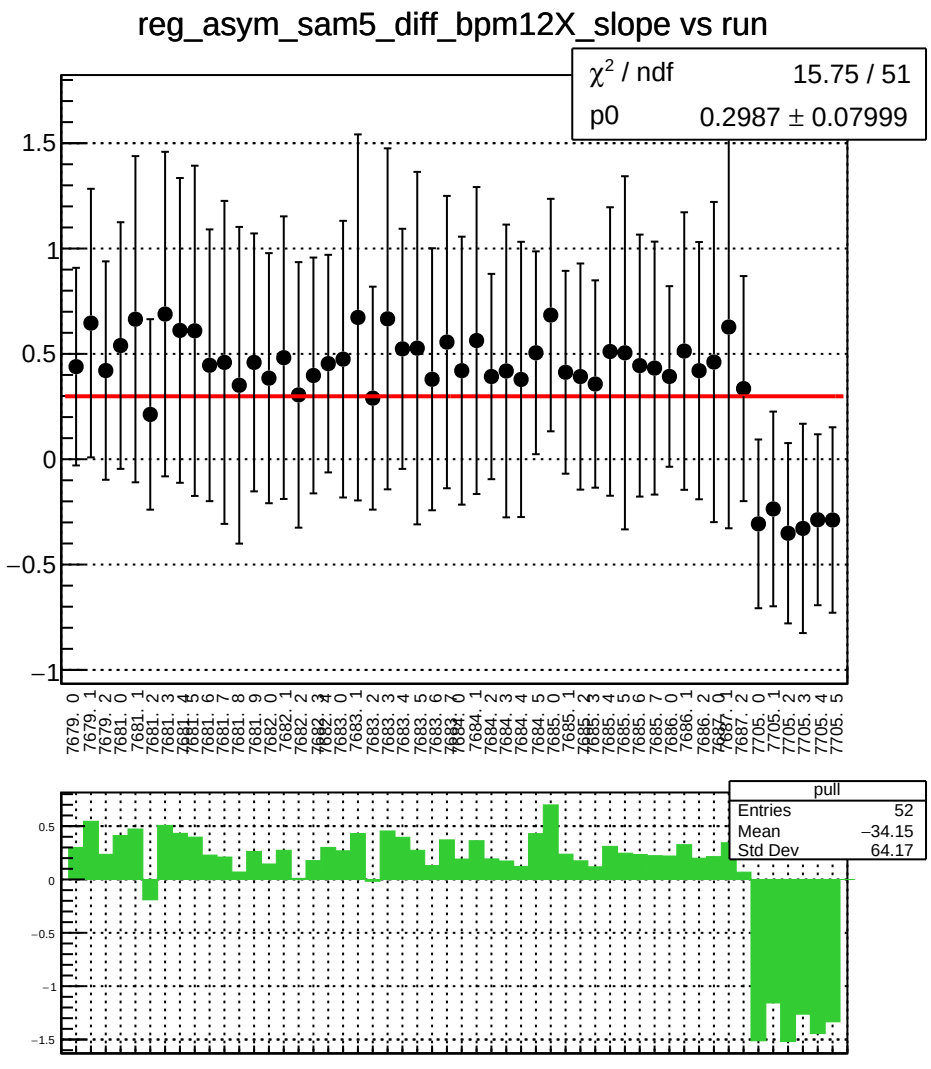

pull1D
Entries 52
Mean −0.008763
Std Dev 0.1957

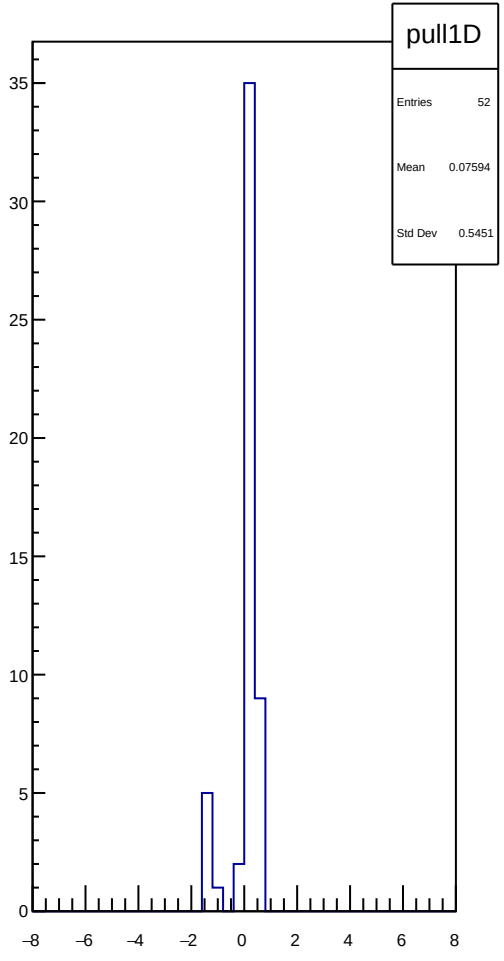

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 72.32 / 51
p0 61.07 ± 1.216
pull
Entries 52
Mean 89.42
Std Dev 53.73
pull1D
Entries 52
Mean 0.1477
Std Dev 1.17

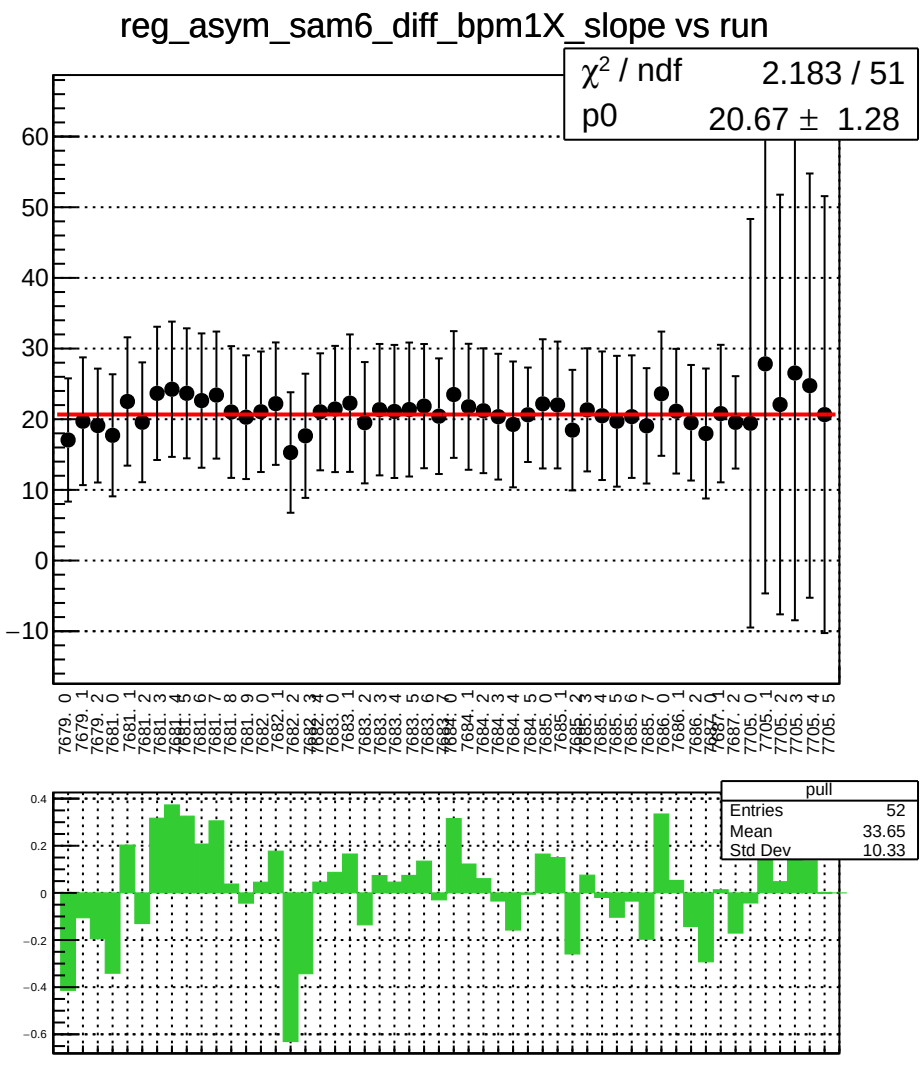

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.514 / 51
p0 6.392 ± 0.5869
pull
Entries 52
Mean 976.7
Std Dev 950.4

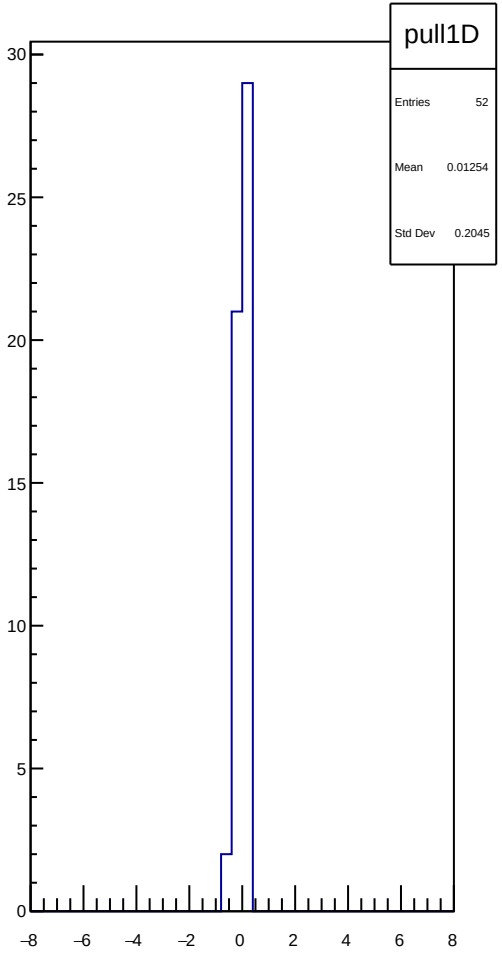

pull1D
Entries 52
Mean 0.000785
Std Dev 0.1706

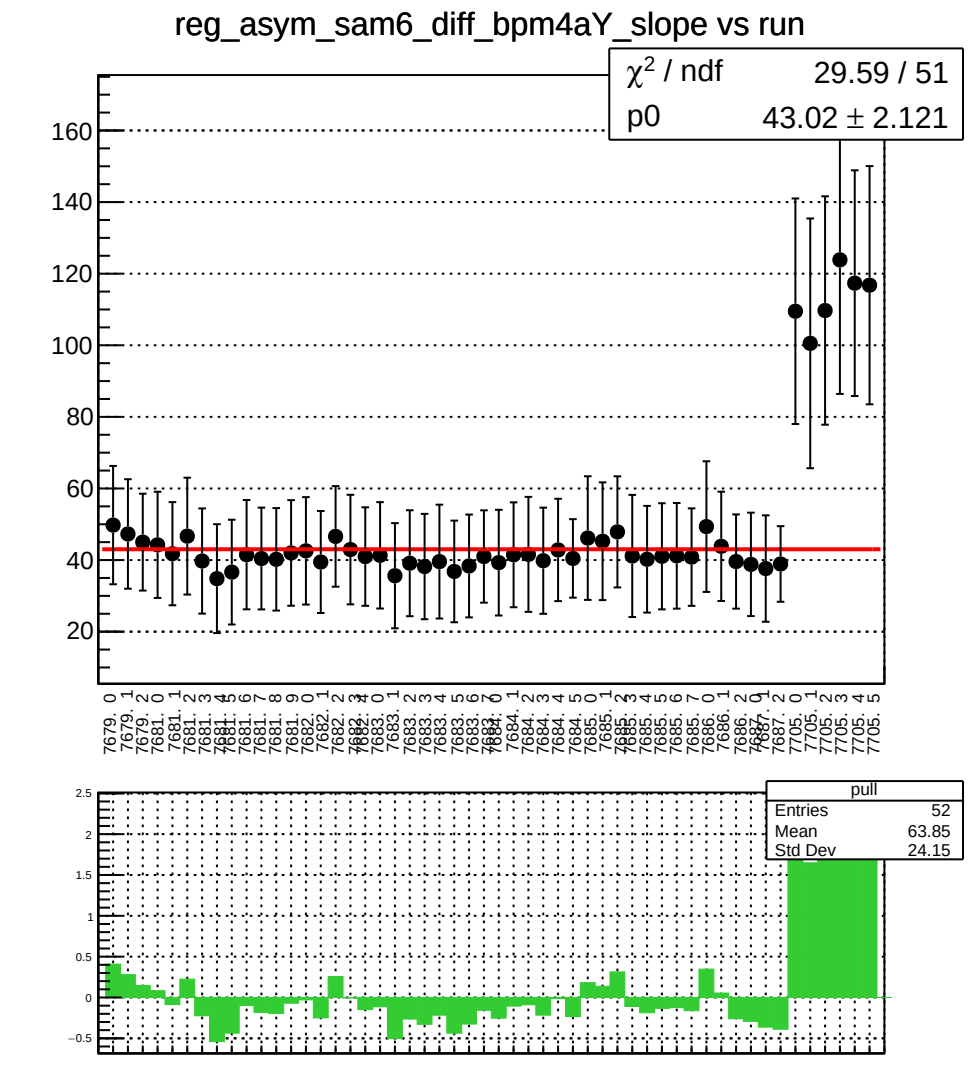

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 55.34 / 51
p0 82.28 ± 1.759
pull
Entries 52
Mean 143
Std Dev 107.9
pull1D
Entries 52
Mean −0.06616
Std Dev 1.03

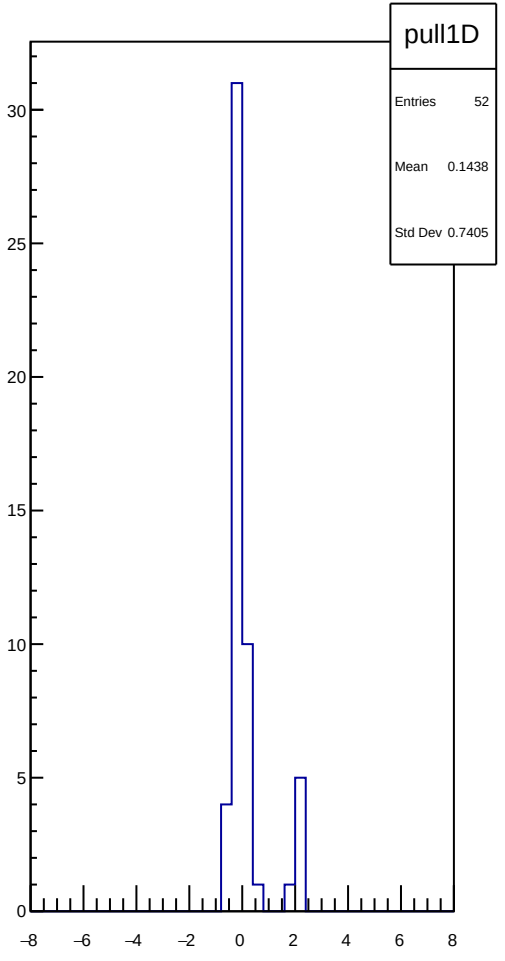

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 15.75 / 51
p0 0.2987 ± 0.07999
pull
Entries 52
Mean −34.15
Std Dev 64.17

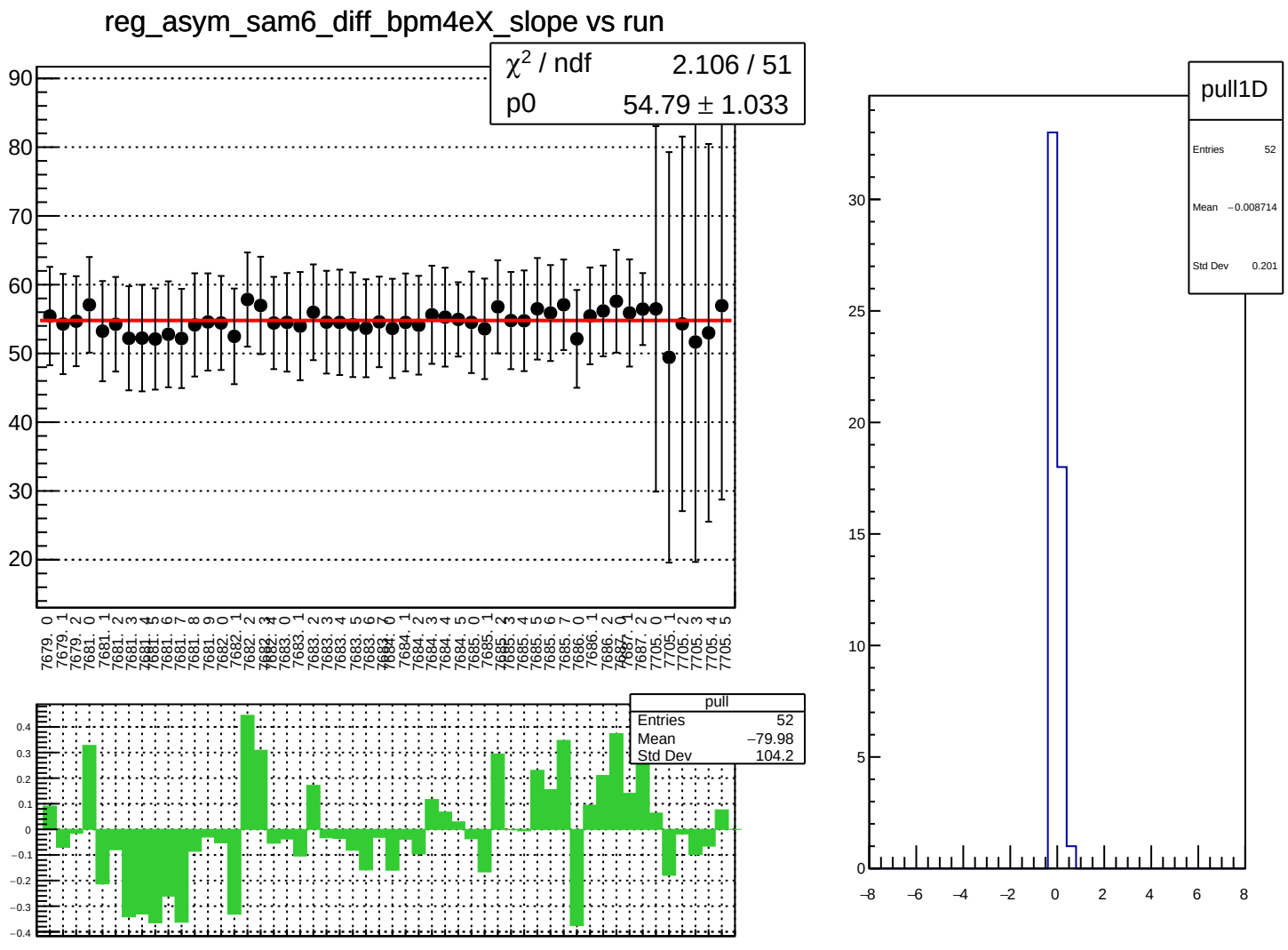

pull1D
Entries 52
Mean 0.07594
Std Dev 0.5451

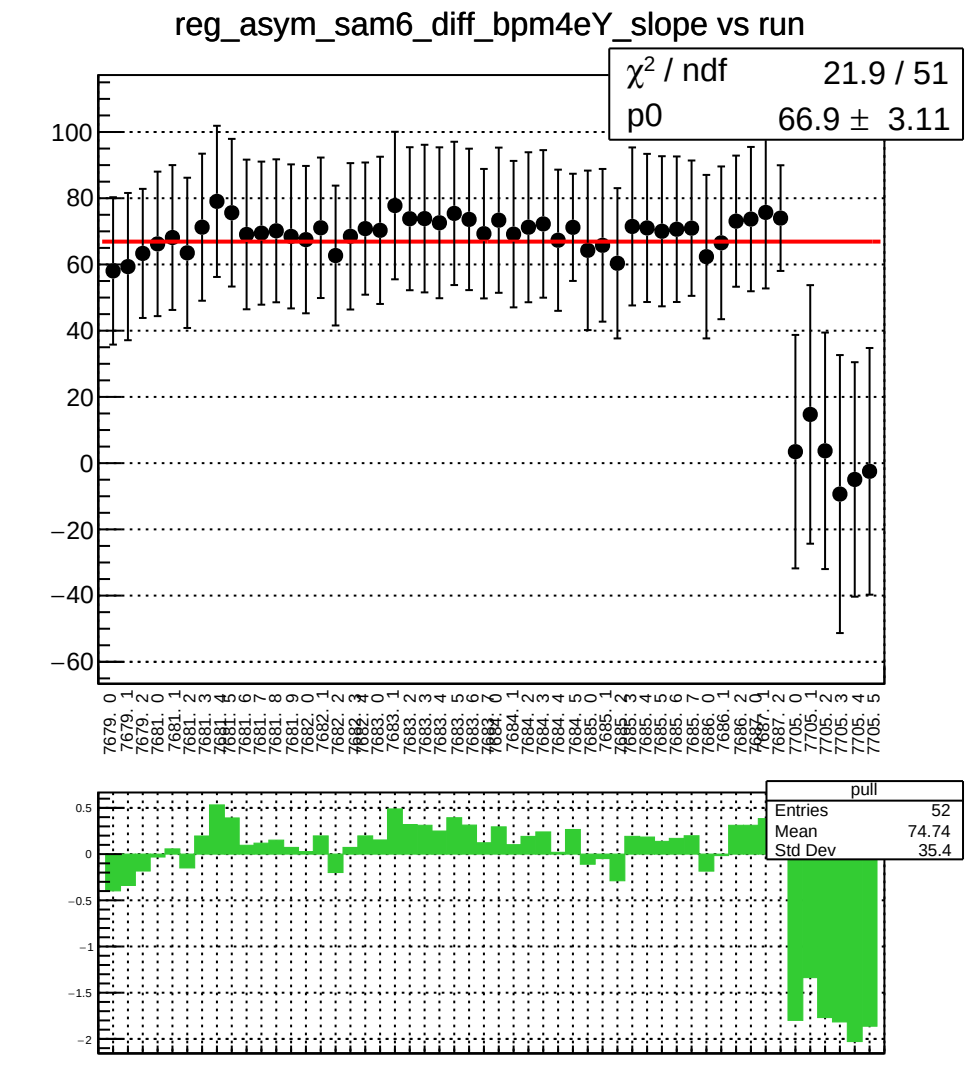

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.183 / 51
p0 20.67 ± 1.28
pull
Entries 52
Mean 33.65
Std Dev 10.33

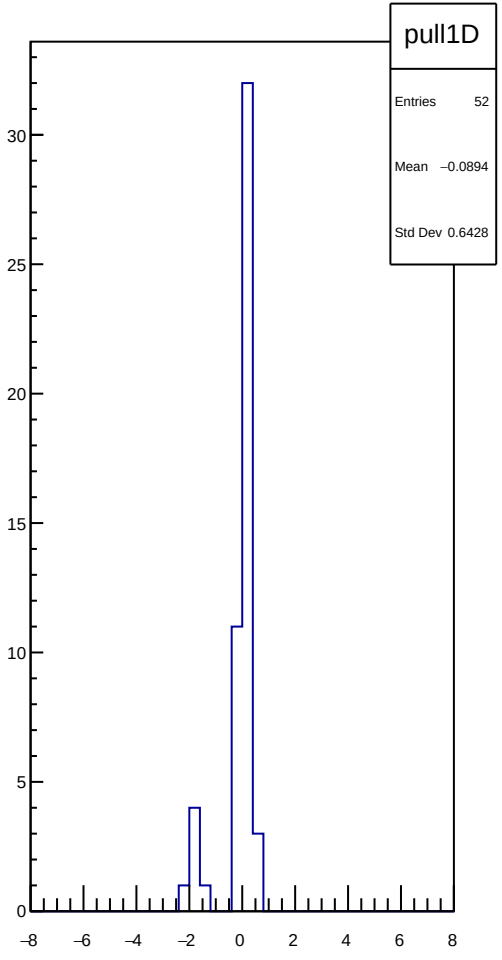

pull1D
Entries 52
Mean 0.01254
Std Dev 0.2045

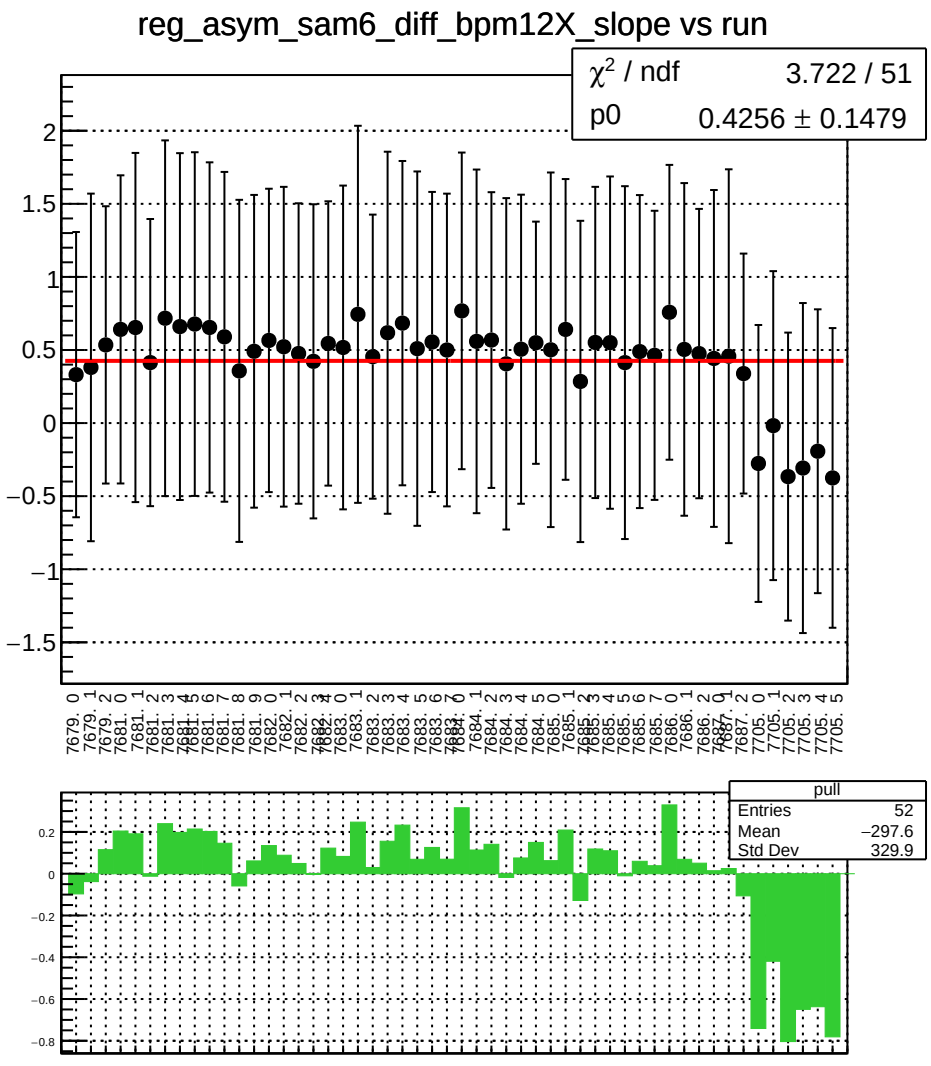

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 29.59 / 51
p0 43.02 ± 2.121
pull
Entries 52
Mean 63.85
Std Dev 24.15

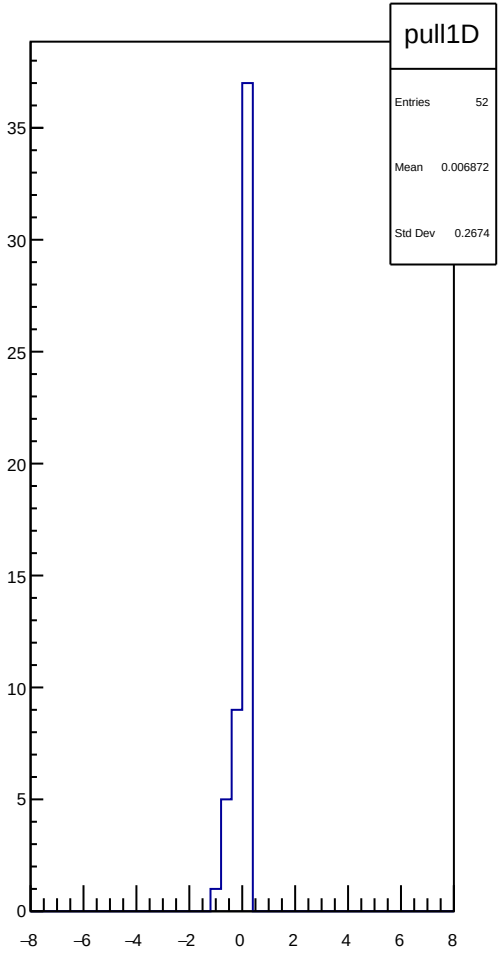

pull1D
Entries 52
Mean 0.1438
Std Dev 0.7405

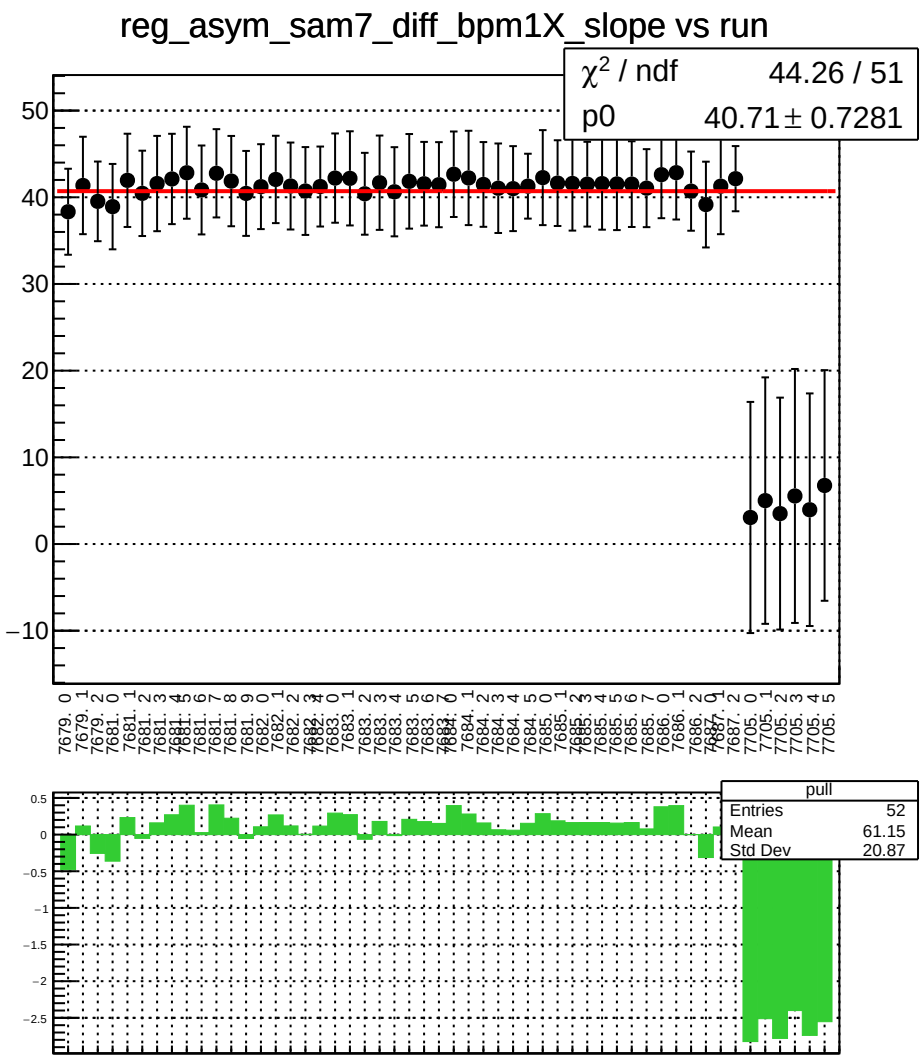

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.106 / 51
p0 54.79 ± 1.033
pull
Entries 52
Mean −79.98
Std Dev 104.2
pull1D
Entries 52
Mean −0.008714
Std Dev 0.201

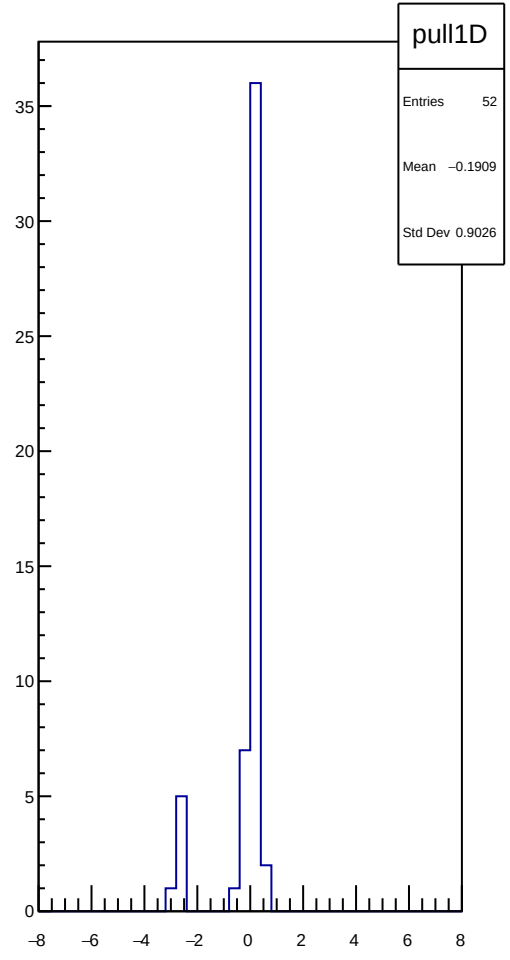

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 21.9 / 51
p0 66.9 ± 3.11
pull
Entries 52
Mean 74.74
Std Dev 35.4

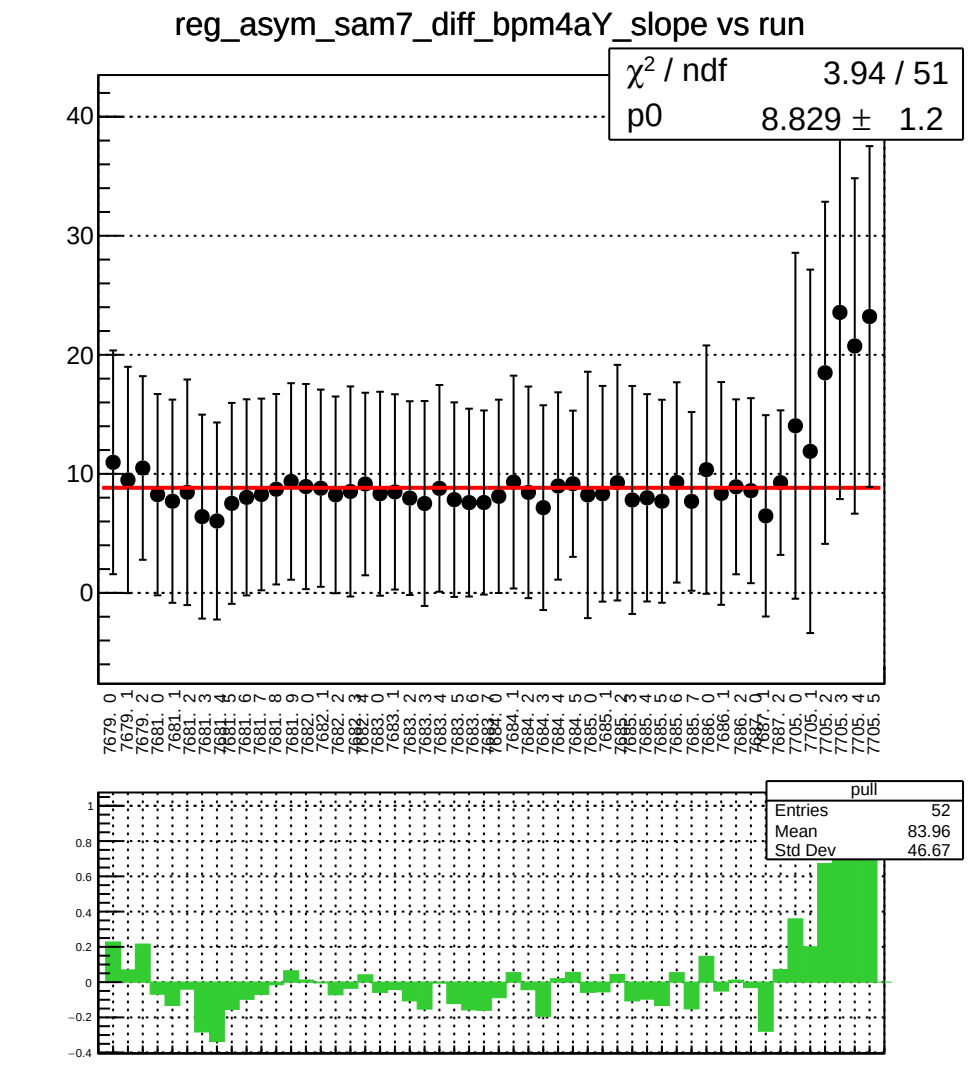

pull1D
Entries 52
Mean −0.0894
Std Dev 0.6428

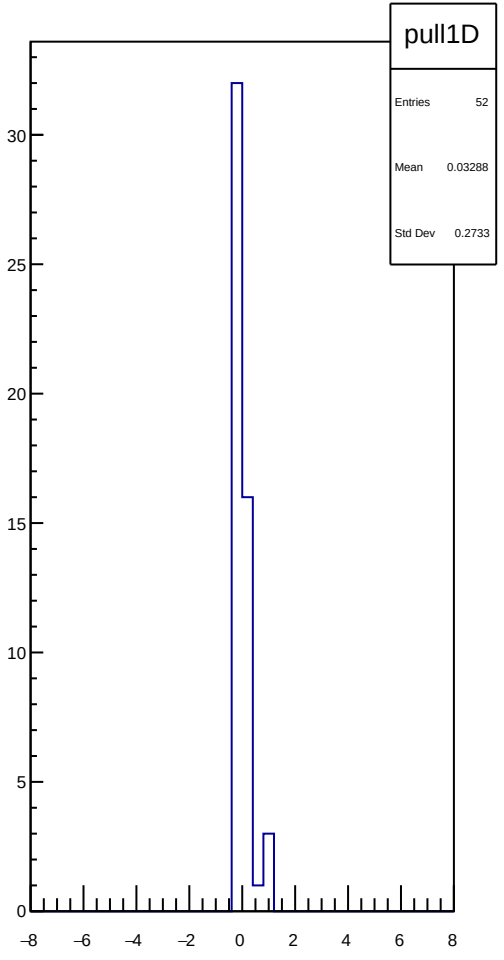

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 3.722 / 51
p0 0.4256 ± 0.1479
pull
Entries 52
Mean −297.6
Std Dev 329.9

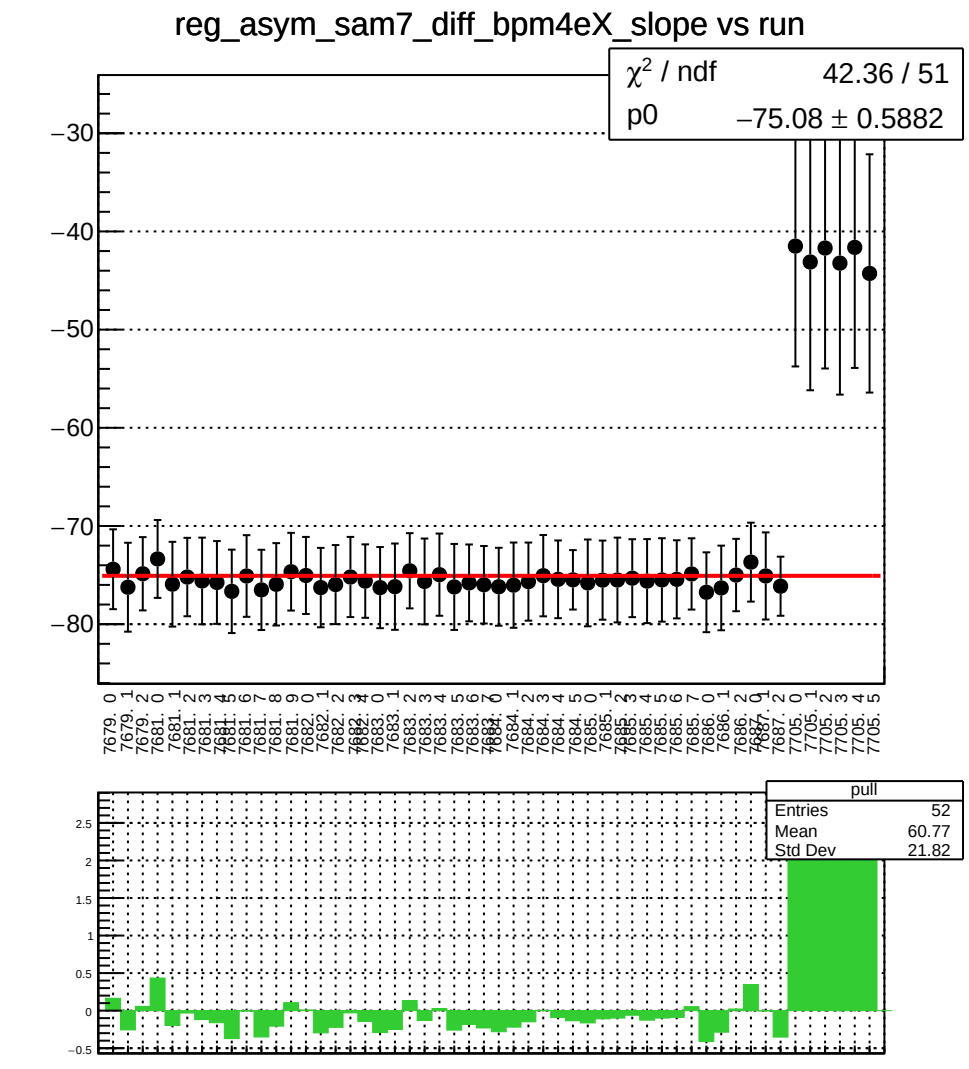

pull1D
Entries 52
Mean 0.006872
Std Dev 0.2674

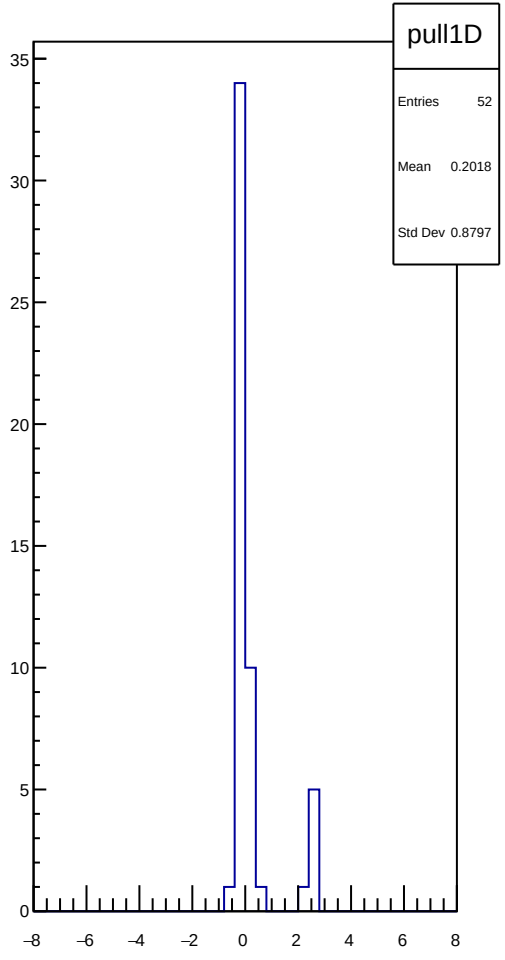

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 44.26 / 51
p0 40.71 ± 0.7281
pull
Entries 52
Mean 61.15
Std Dev 20.87

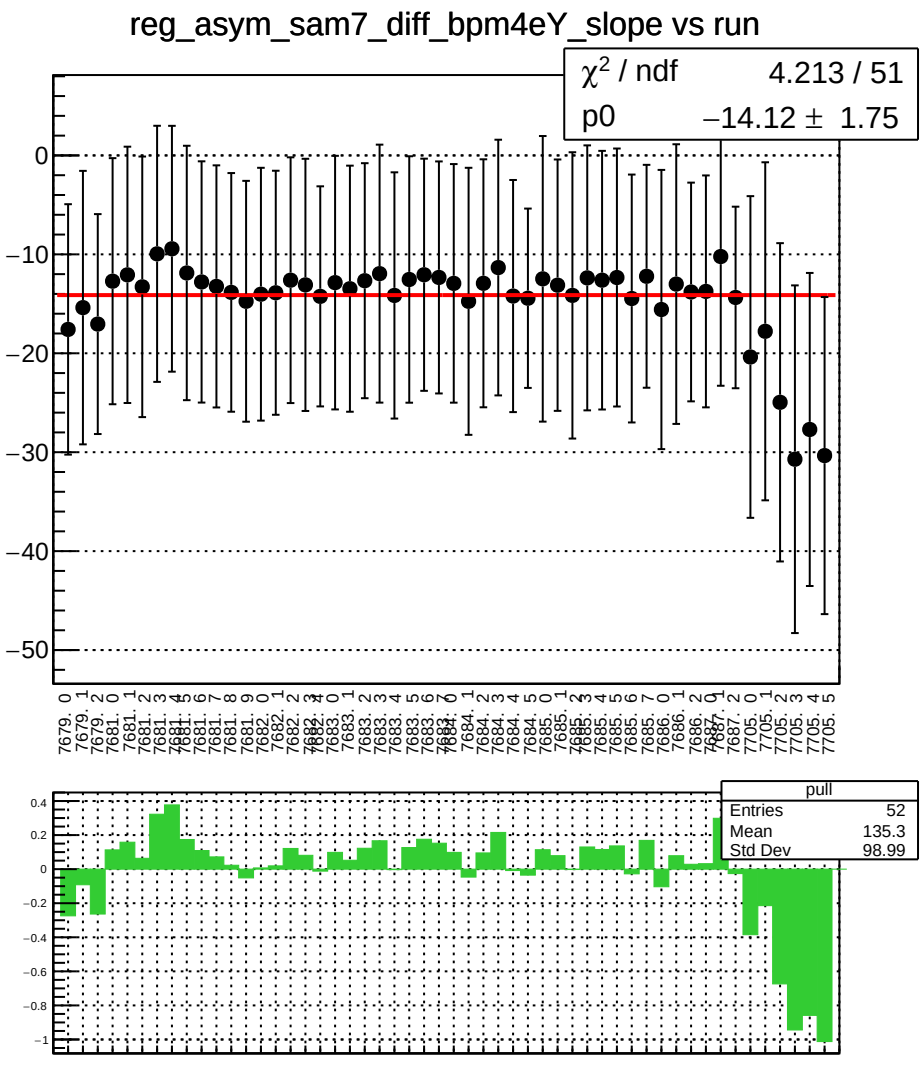

pull1D
Entries 52
Mean −0.1909
Std Dev 0.9026

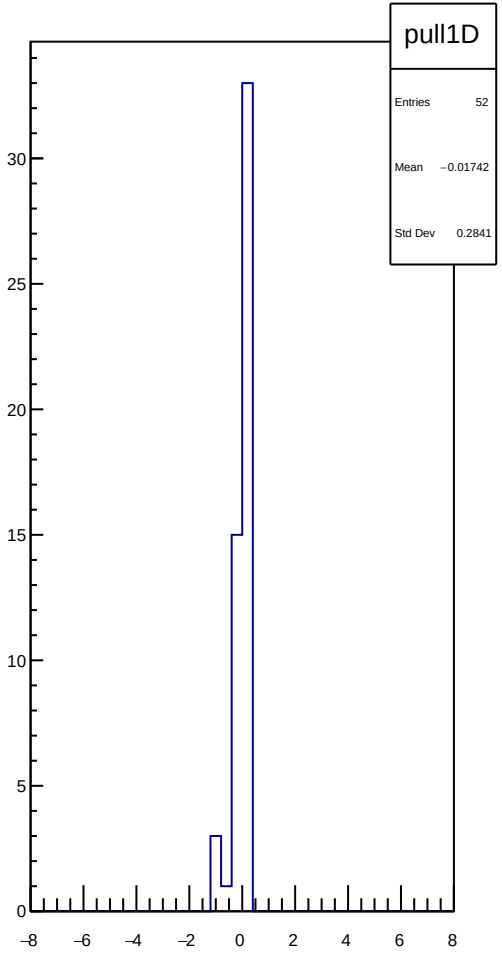

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.94 / 51
p0 8.829 ± 1.2
pull
Entries 52
Mean 83.96
Std Dev 46.67

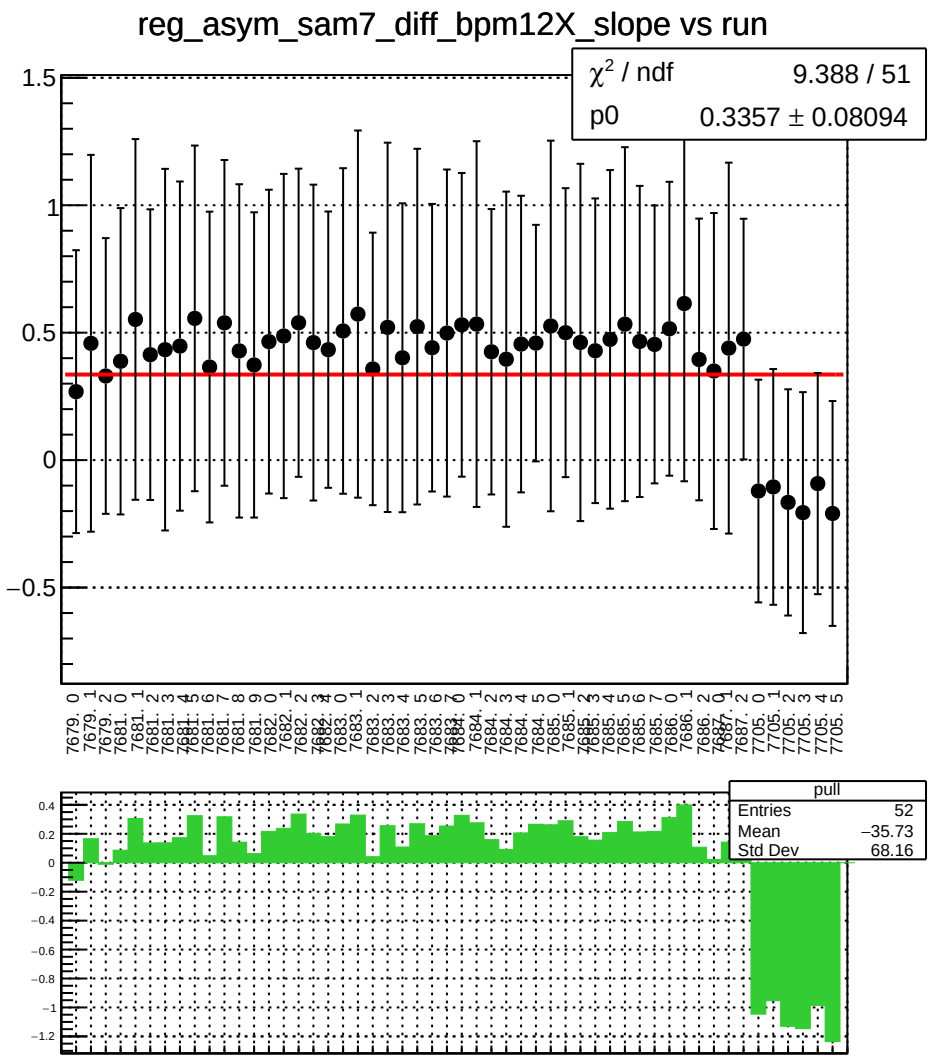

pull1D
Entries 52
Mean 0.03288
Std Dev 0.2733

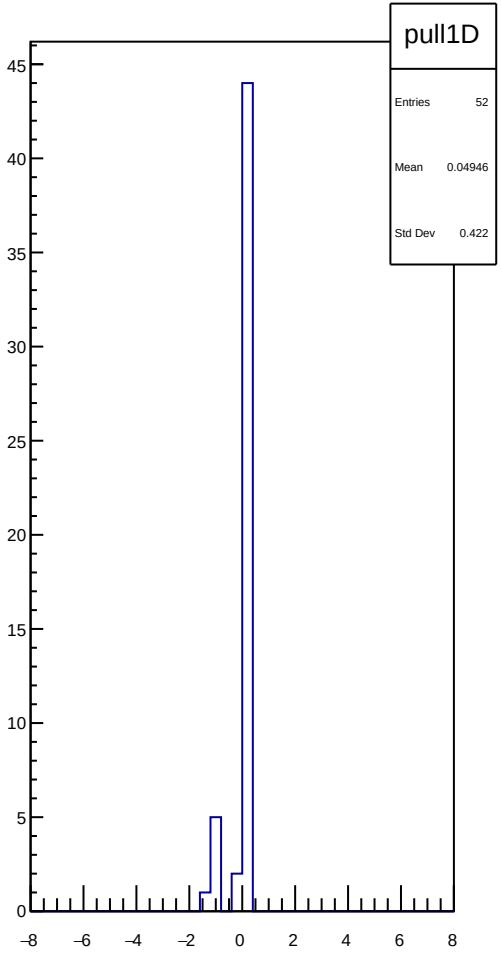

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 42.36 / 51
p0 −75.08 ± 0.5882
pull
Entries 52
Mean 60.77
Std Dev 21.82

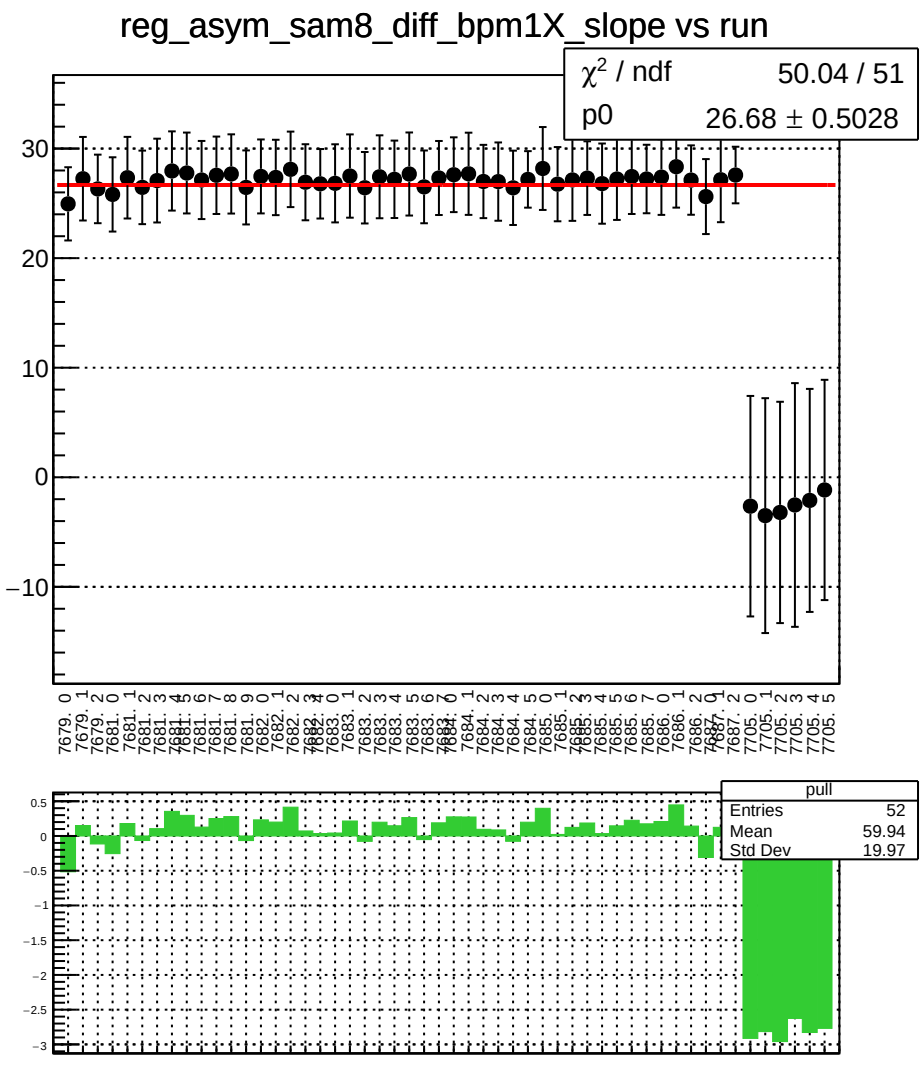

pull1D
Entries 52
Mean 0.2018
Std Dev 0.8797

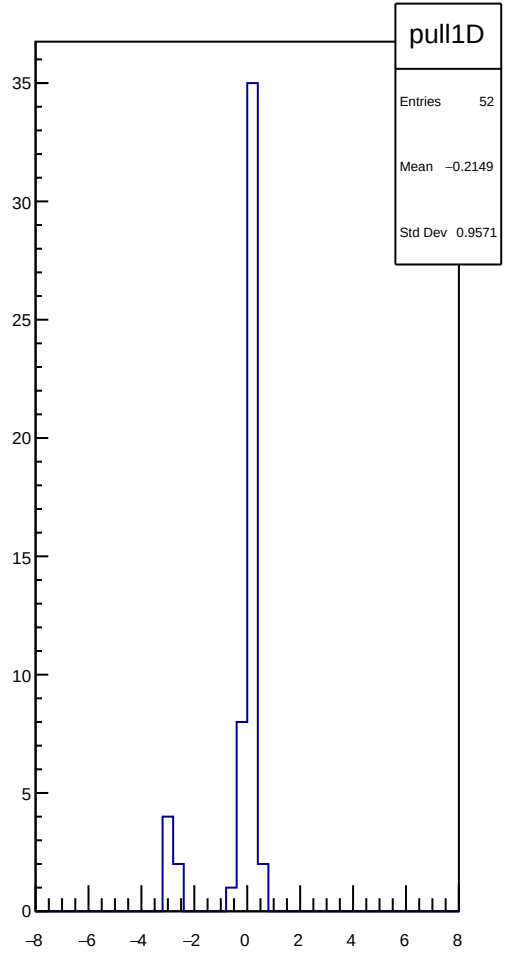

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 4.213 / 51
p0 −14.12 ± 1.75
pull
Entries 52
Mean 135.3
Std Dev 98.99

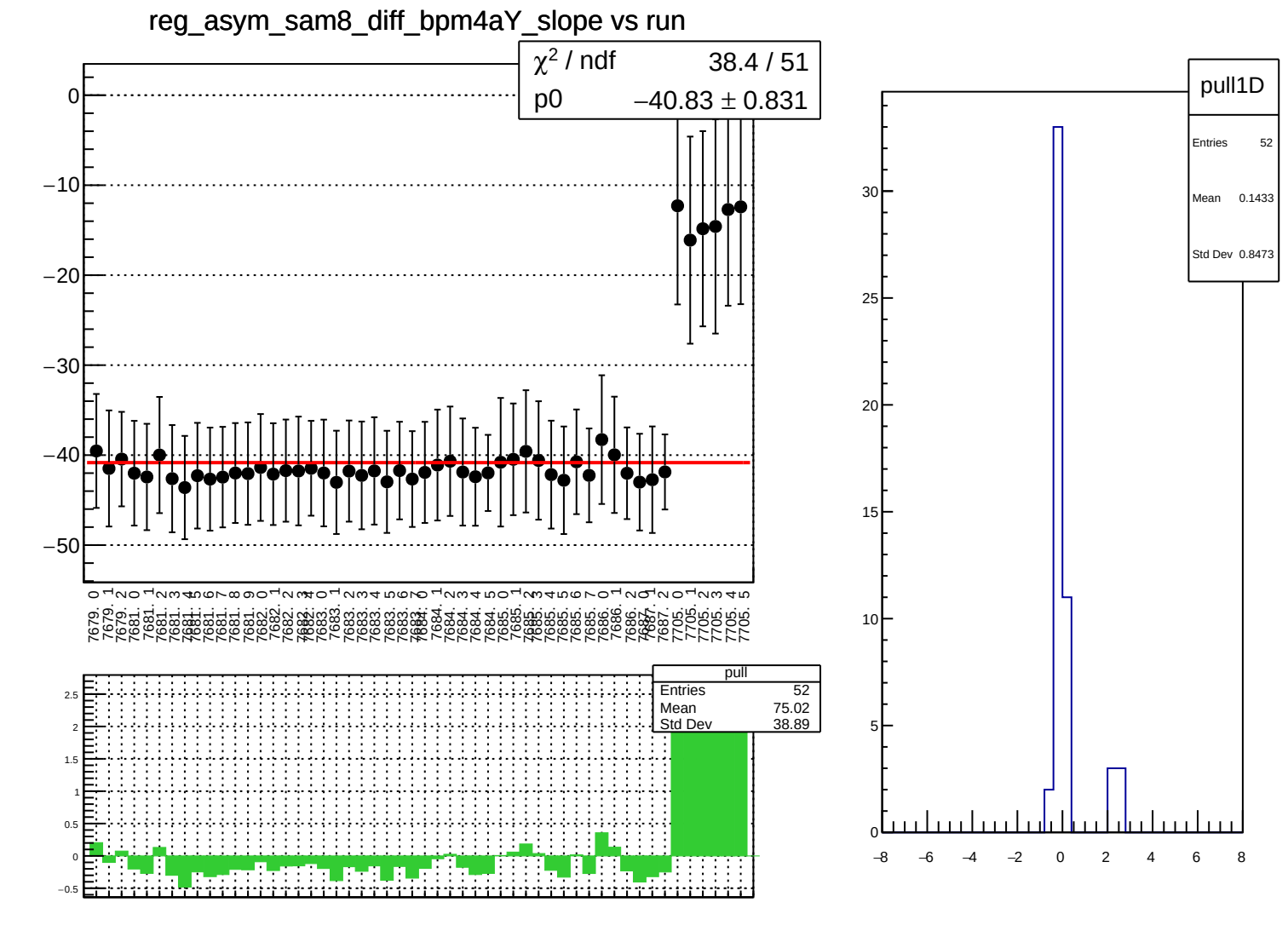

pull1D
Entries 52
Mean −0.01742
Std Dev 0.2841

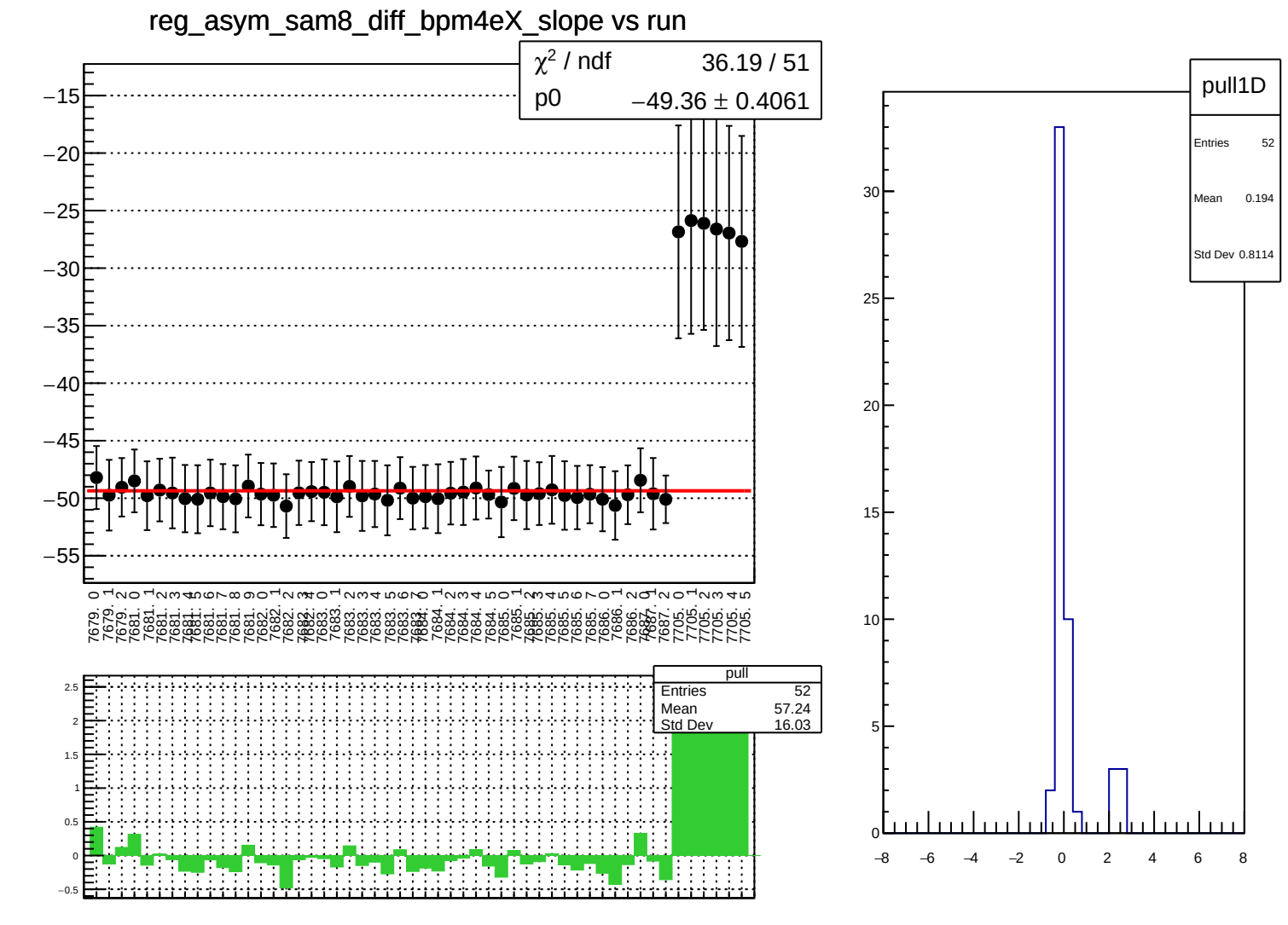

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 9.388 / 51
p0 0.3357 ± 0.08094
pull
Entries 52
Mean −35.73
Std Dev 68.16

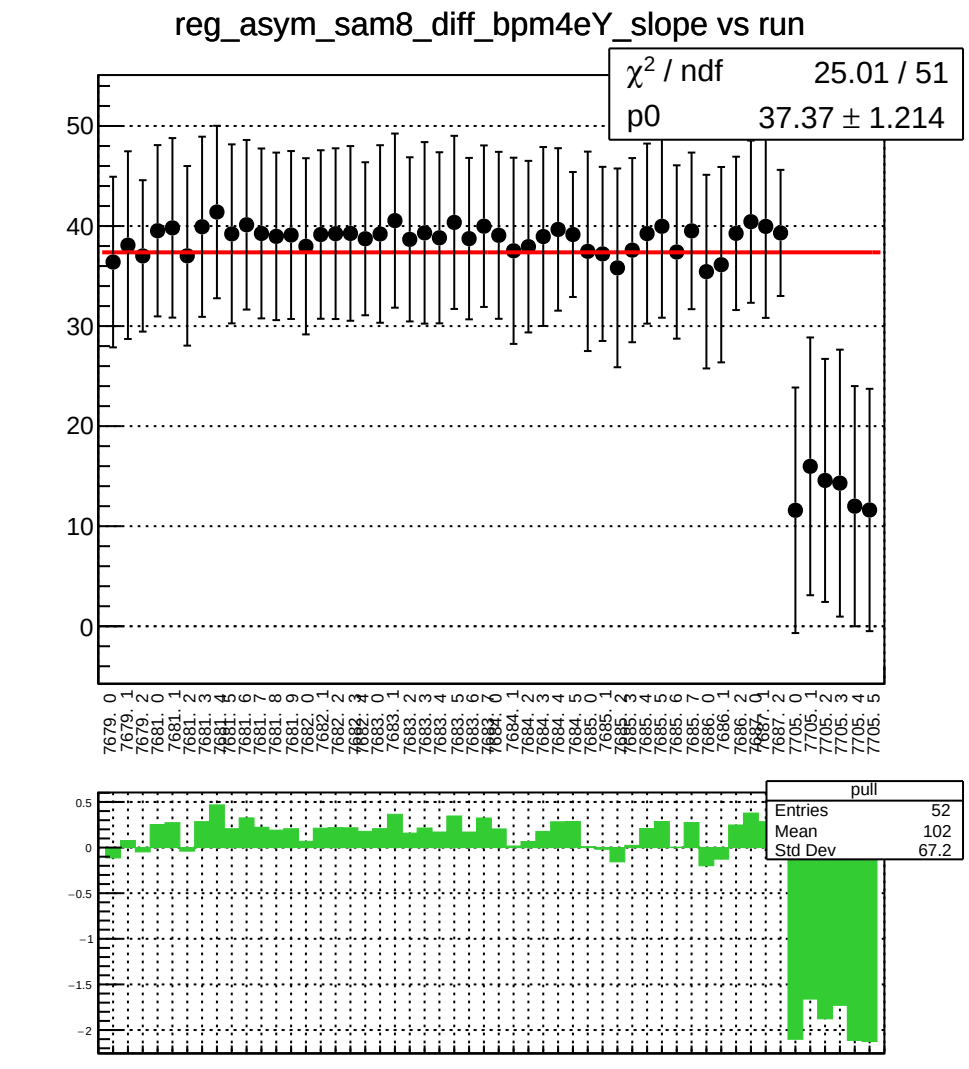

pull1D
Entries 52
Mean 0.04946
Std Dev 0.422

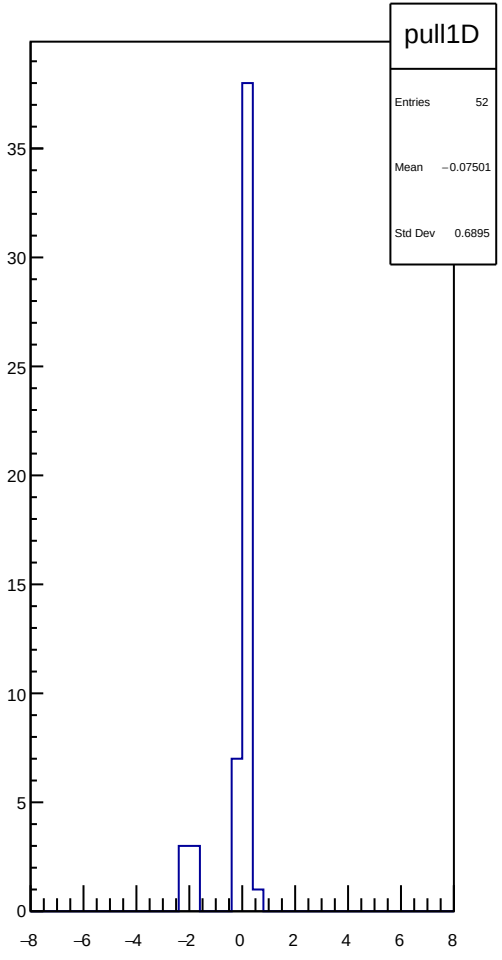

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 50.04 / 51
p0 26.68 ± 0.5028
pull
Entries 52
Mean 59.94
Std Dev 19.97

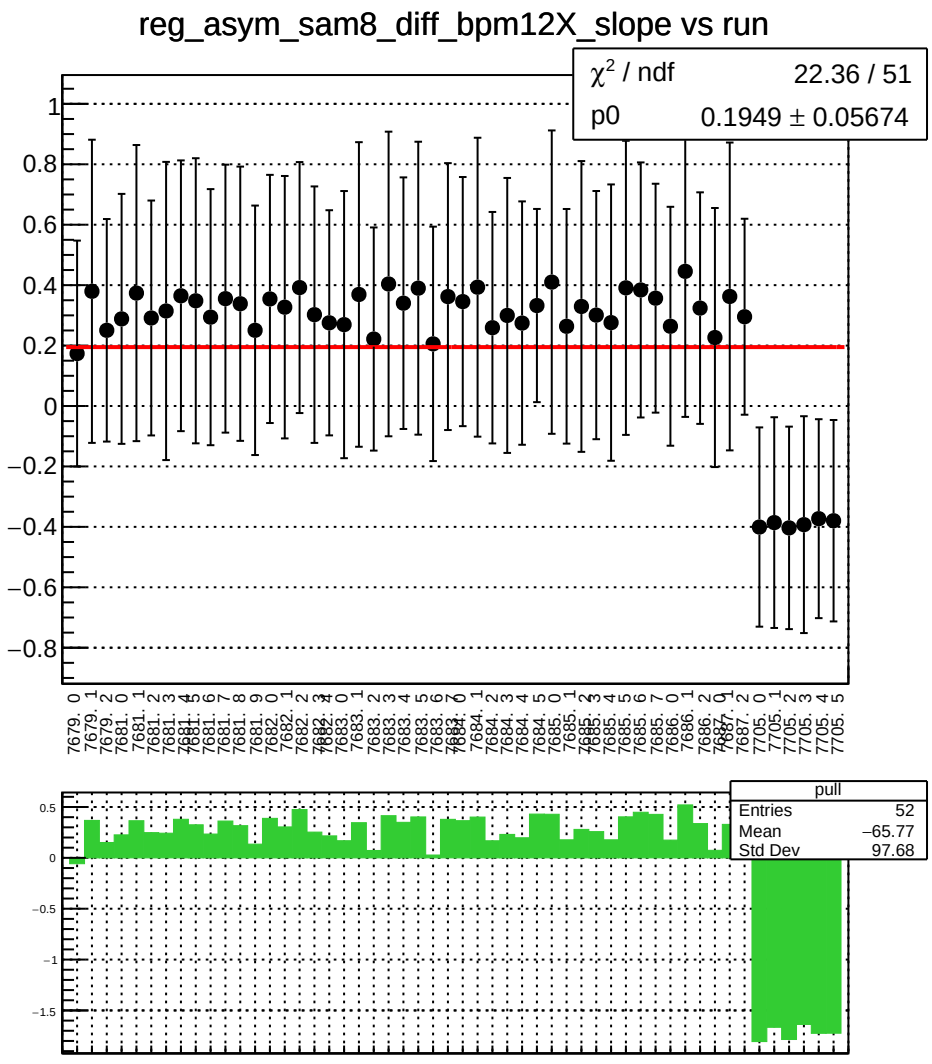

pull1D
Entries 52
Mean −0.2149
Std Dev 0.9571

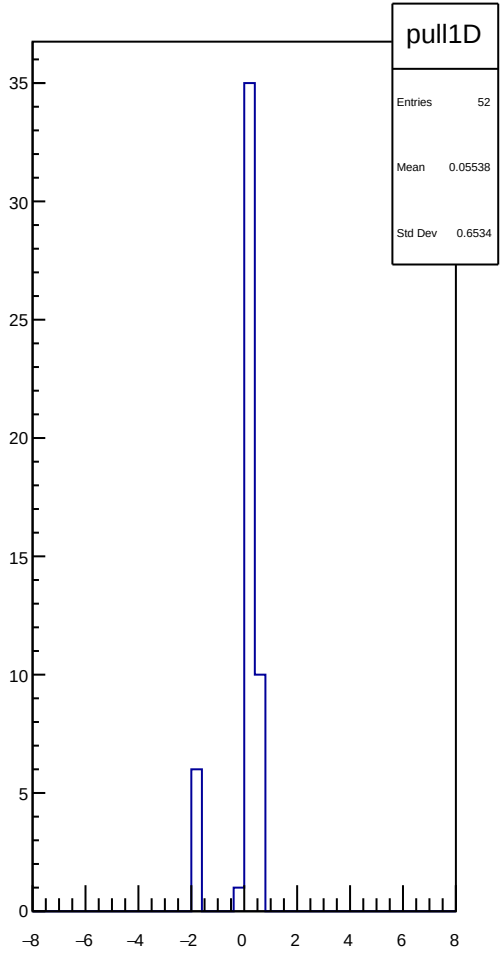

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 38.4 / 51
p0 −40.83 ± 0.831
pull
Entries 52
Mean 75.02
Std Dev 38.89
pull1D
Entries 52
Mean 0.1433
Std Dev 0.8473

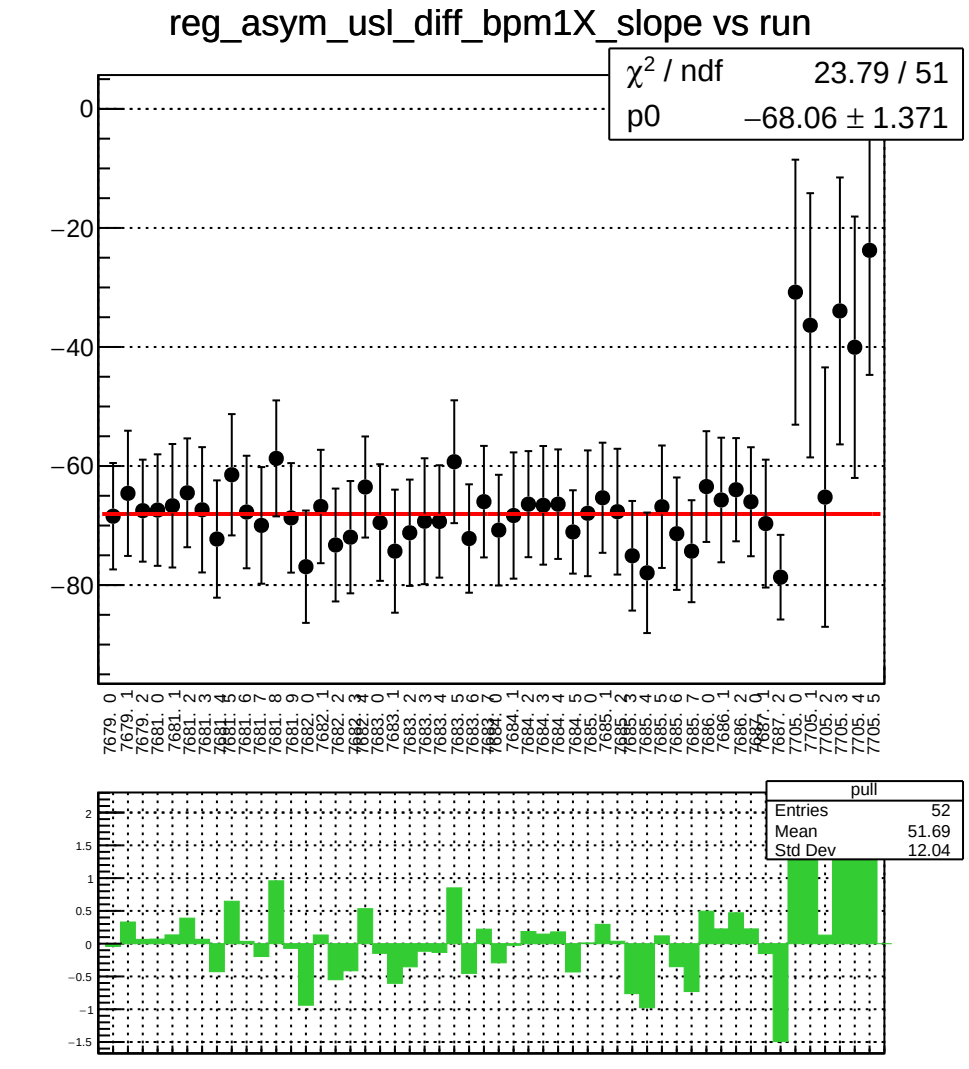

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 36.19 / 51
p0 −49.36 ± 0.4061
pull
Entries 52
Mean 57.24
Std Dev 16.03
pull1D
Entries 52
Mean 0.194
Std Dev 0.8114

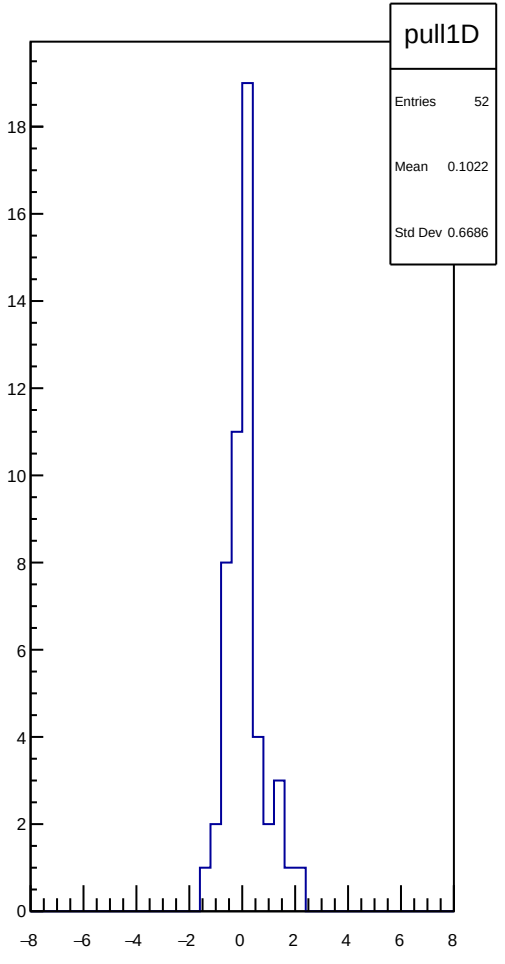

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 25.01 / 51
p0 37.37 ± 1.214
pull
Entries 52
Mean 102
Std Dev 67.2

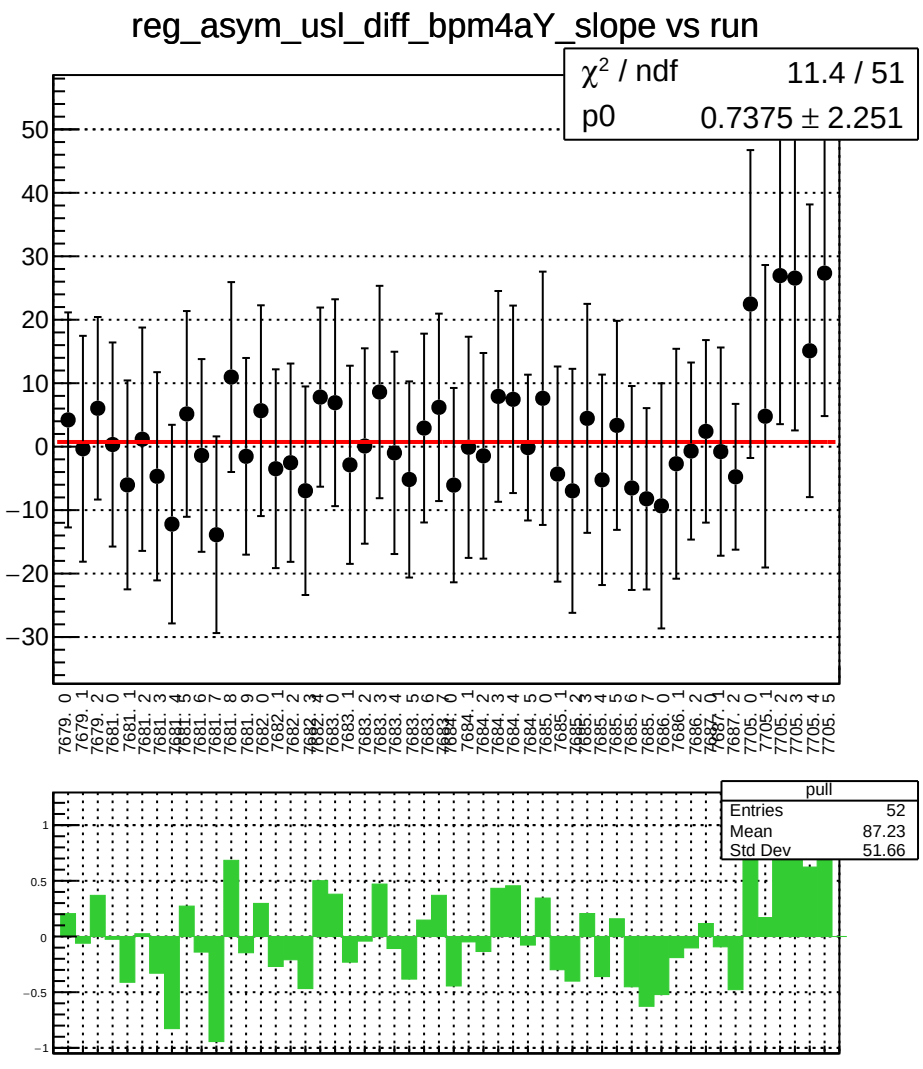

pull1D
Entries 52
Mean −0.07501
Std Dev 0.6895

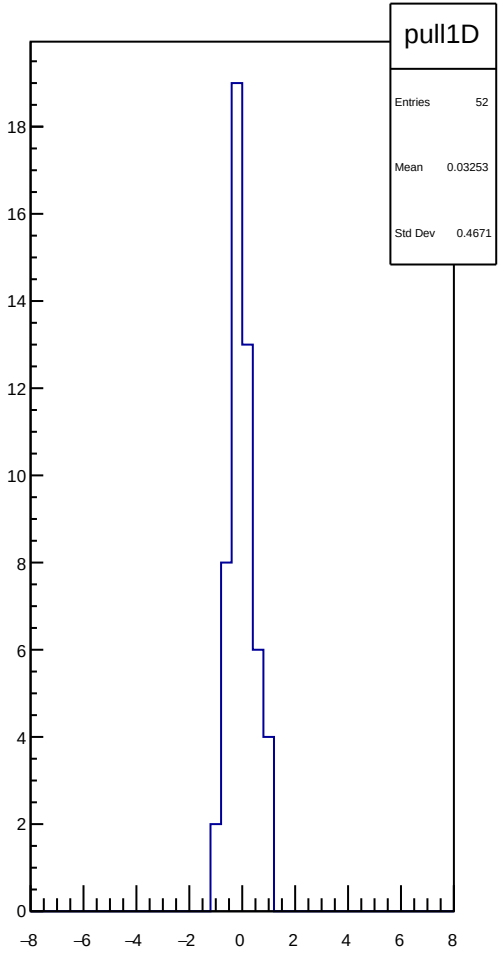

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 22.36 / 51
p0 0.1949 ± 0.05674
pull
Entries 52
Mean −65.77
Std Dev 97.68

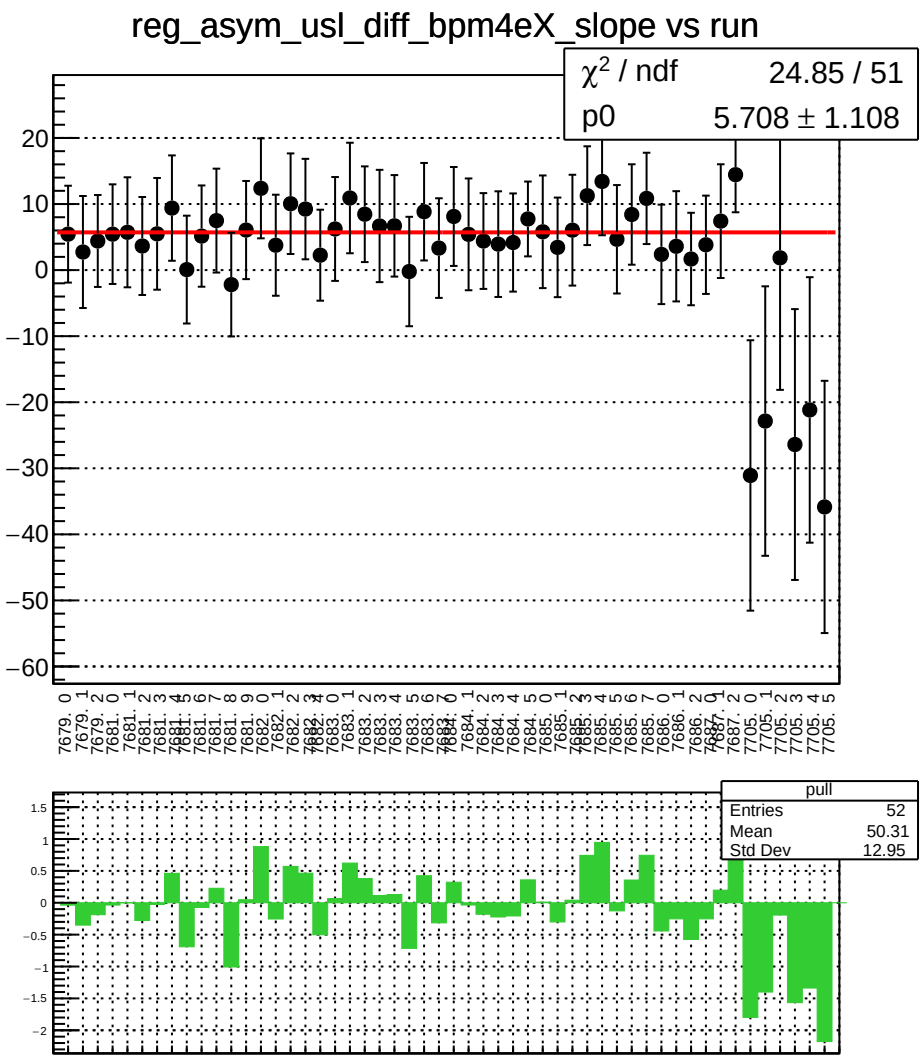

pull1D
Entries 52
Mean 0.05538
Std Dev 0.6534

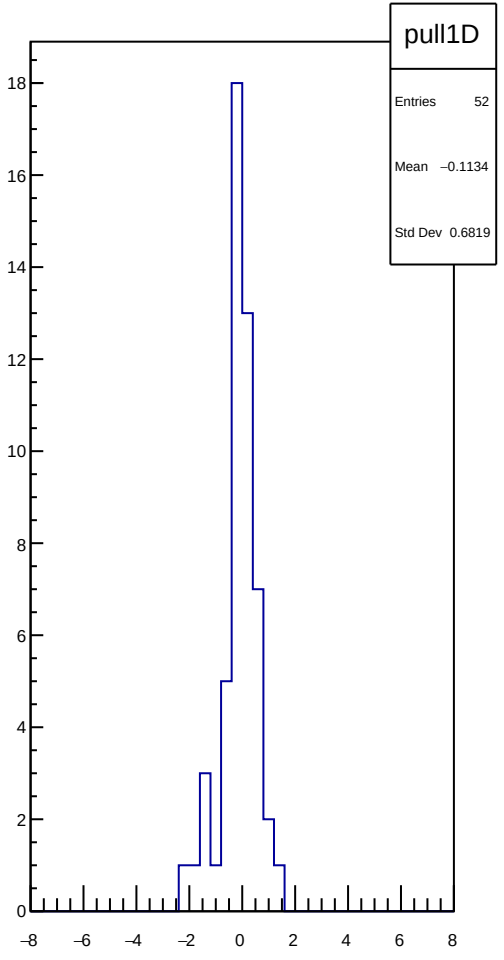

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 23.79 / 51
p0 −68.06 ± 1.371
pull
Entries 52
Mean 51.69
Std Dev 12.04

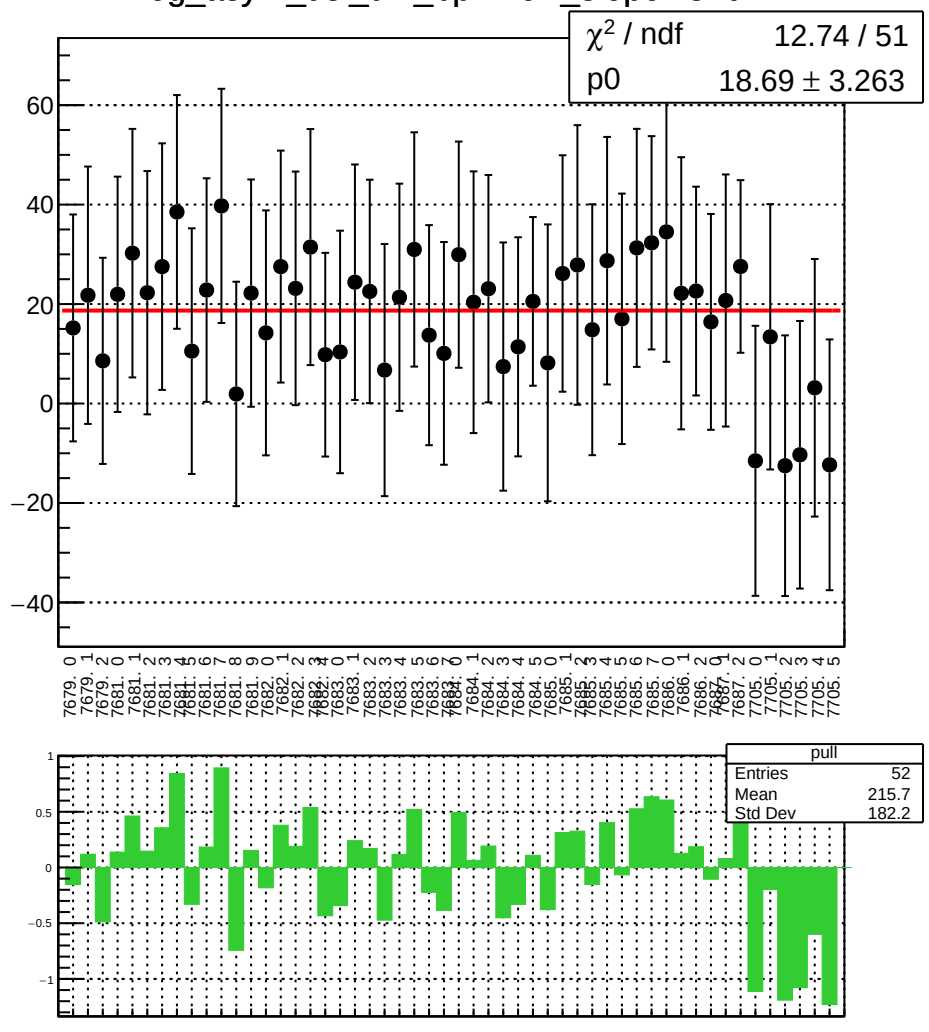

pull1D
Entries 52
Mean 0.1022
Std Dev 0.6686

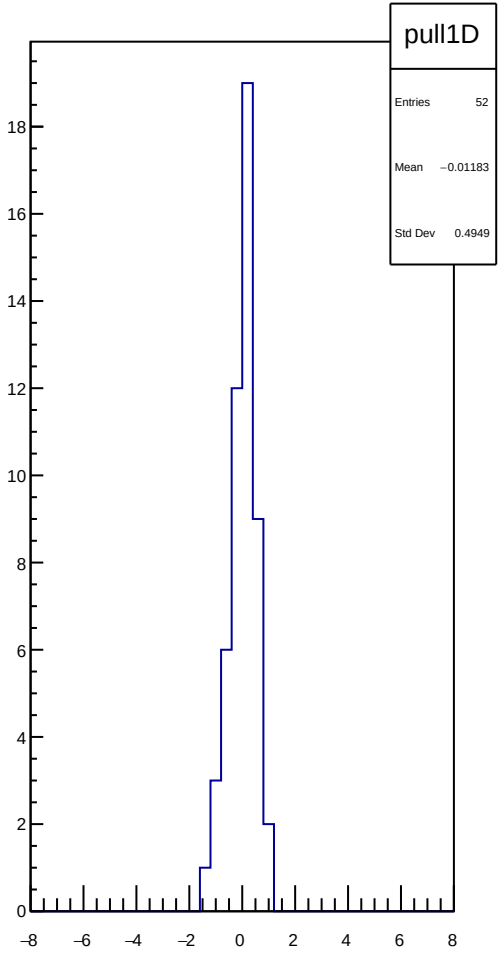

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 11.4 / 51
p0 0.7375 ± 2.251
pull
Entries 52
Mean 87.23
Std Dev 51.66

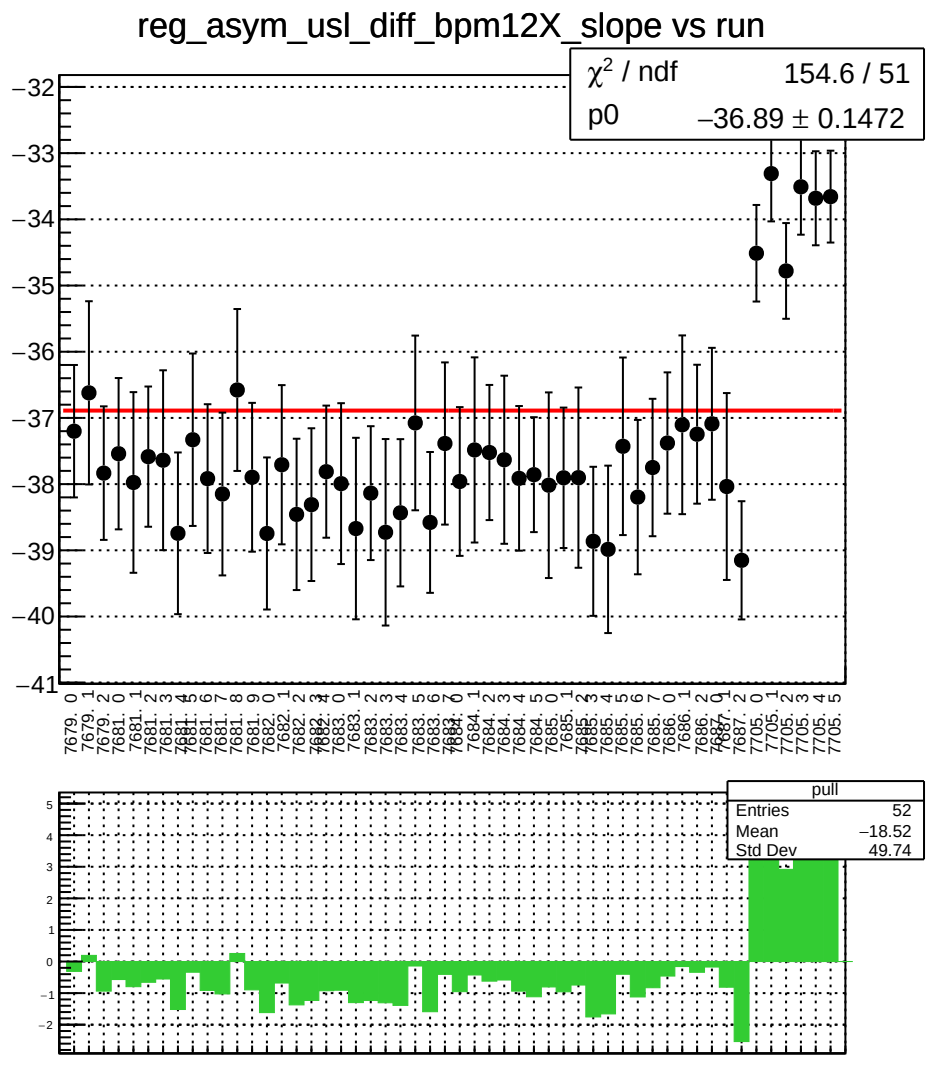

pull1D
Entries 52
Mean 0.03253
Std Dev 0.4671

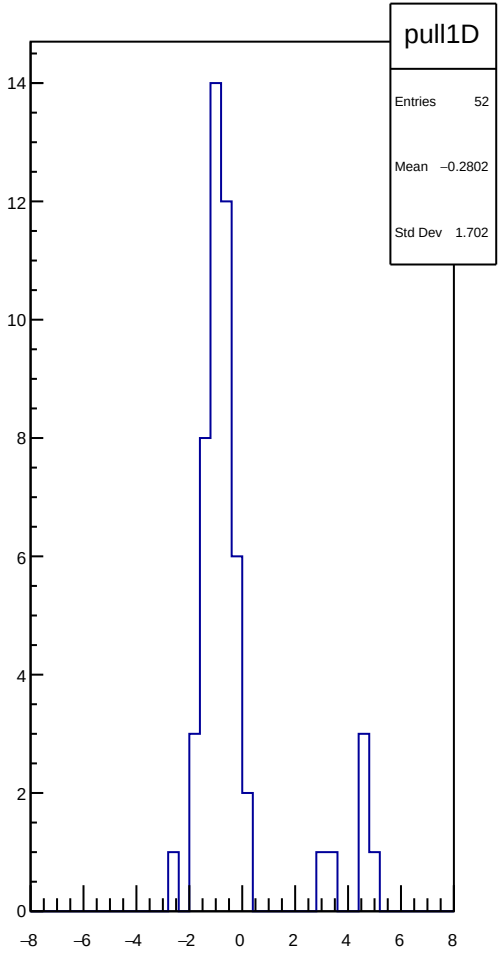

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 24.85 / 51
p0 5.708 ± 1.108
pull
Entries 52
Mean 50.31
Std Dev 12.95

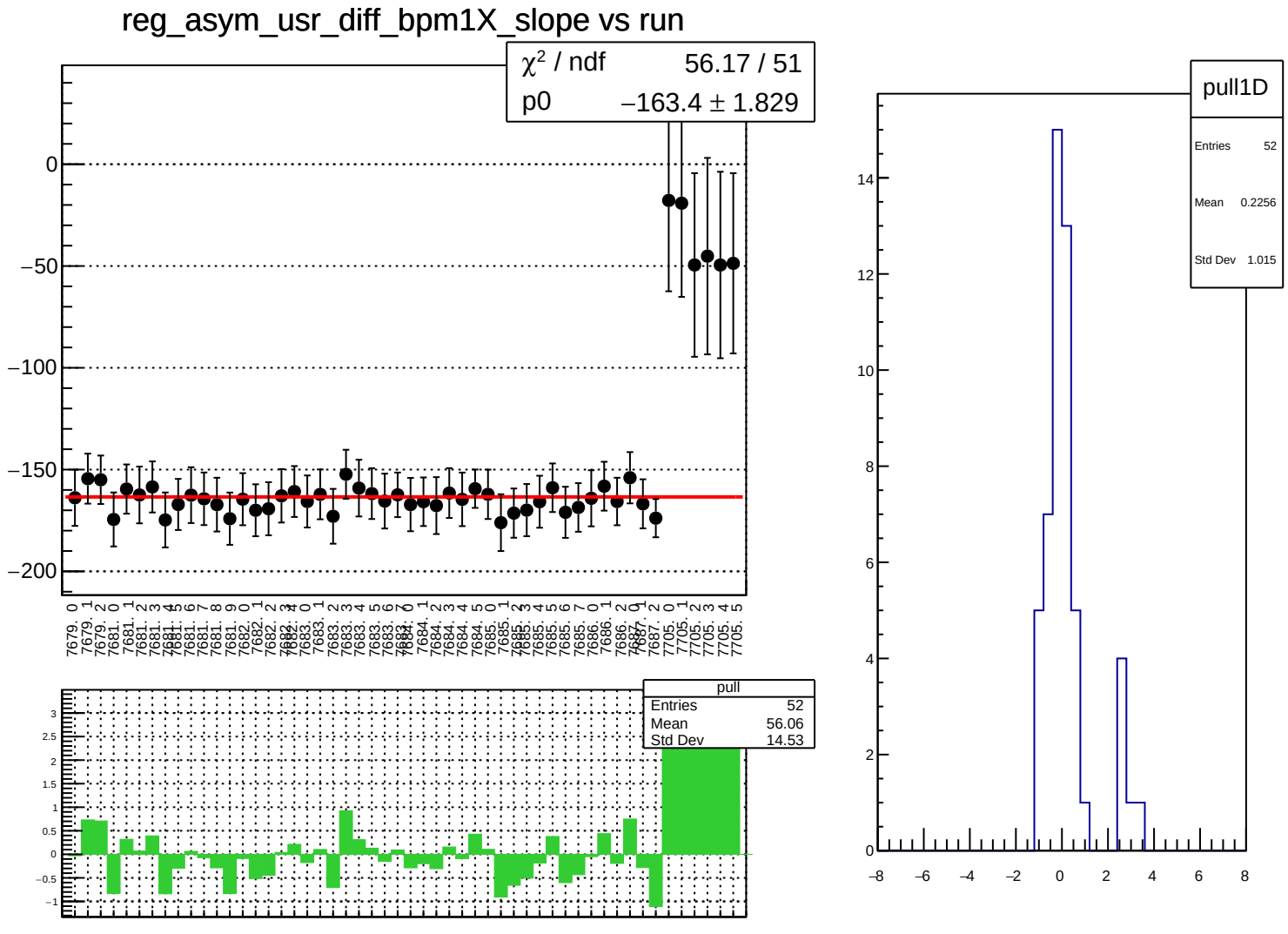

pull1D
Entries 52
Mean −0.1134
Std Dev 0.6819

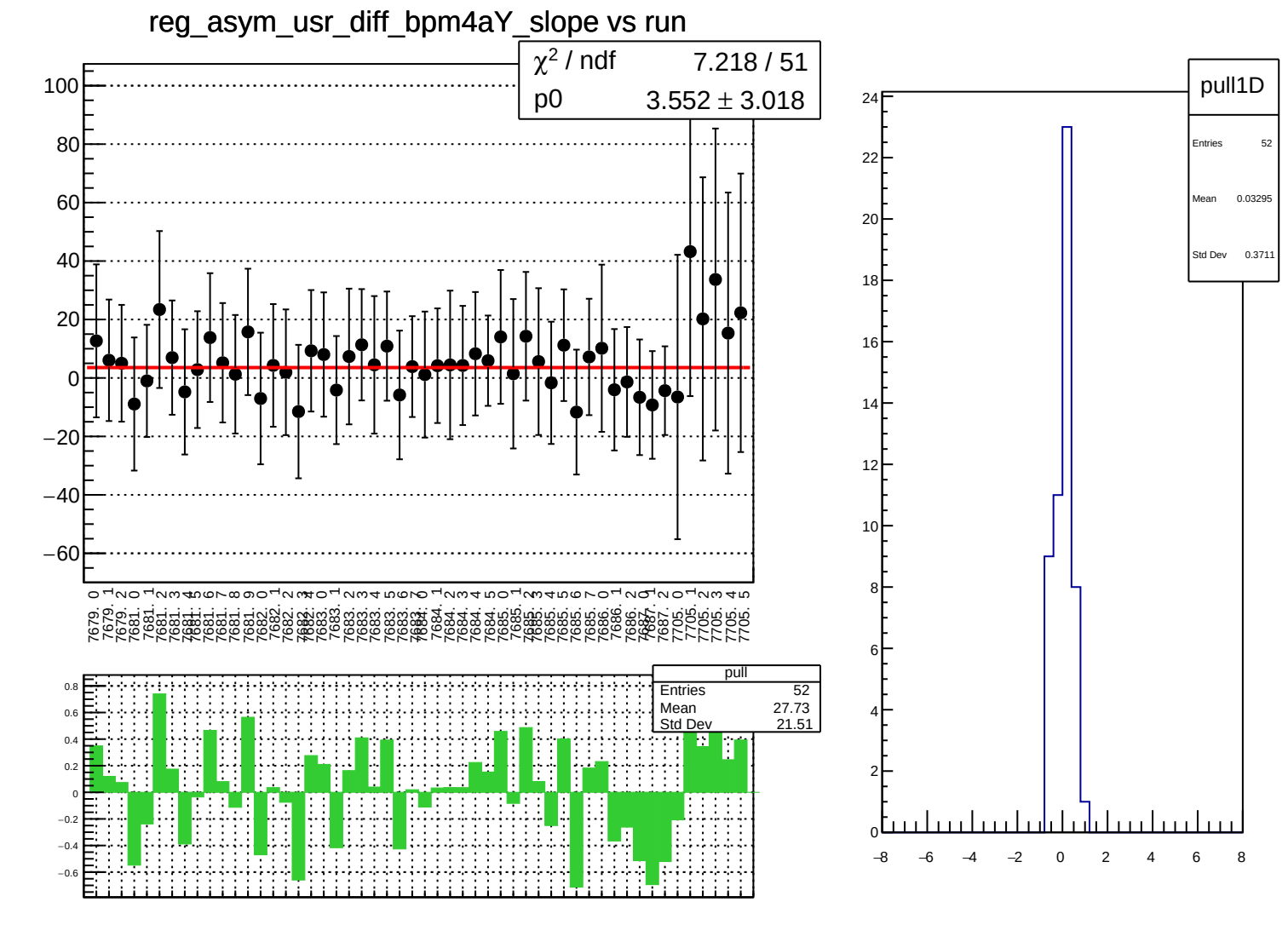

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 12.74 / 51
p0 18.69 ± 3.263
pull
Entries 52
Mean 215.7
Std Dev 182.2

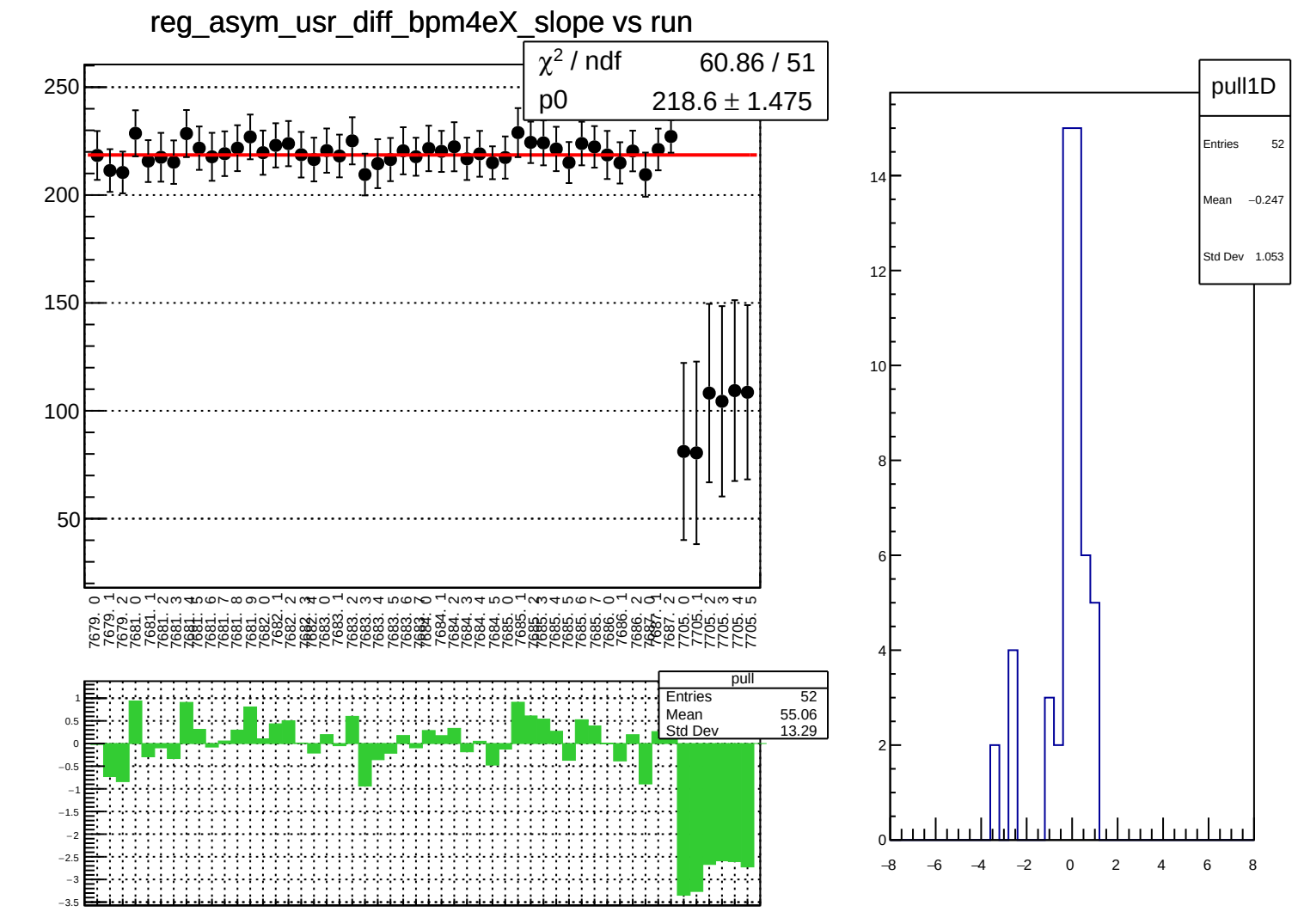

pull1D
Entries 52
Mean −0.01183
Std Dev 0.4949

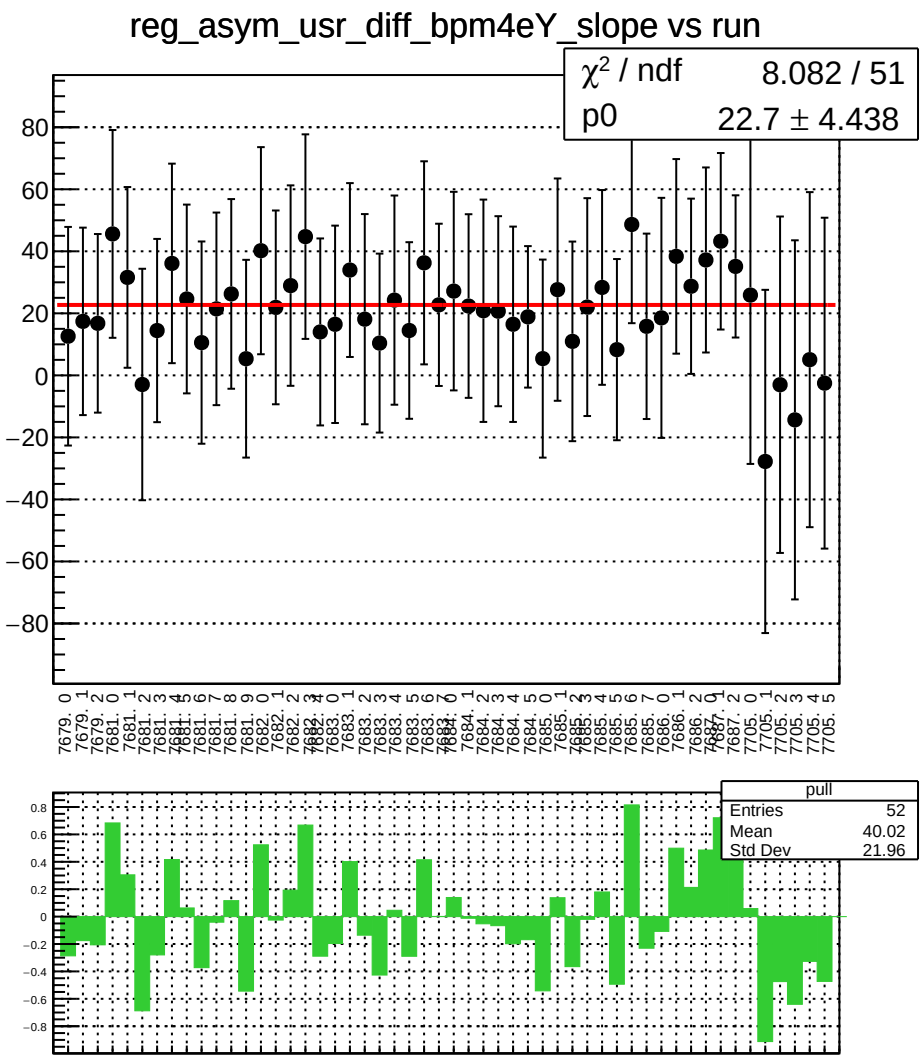

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 154.6 / 51
p0 −36.89 ± 0.1472
pull
Entries 52
Mean −18.52
Std Dev 49.74

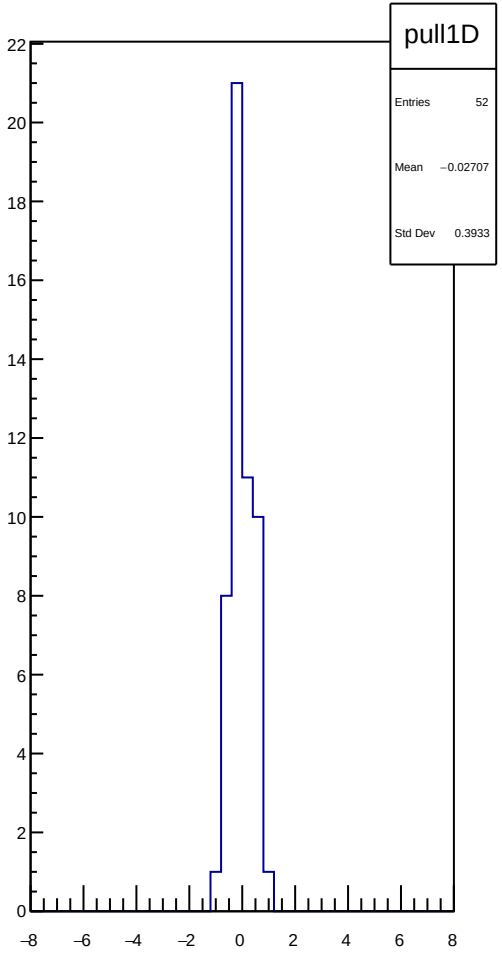

pull1D
Entries 52
Mean −0.2802
Std Dev 1.702

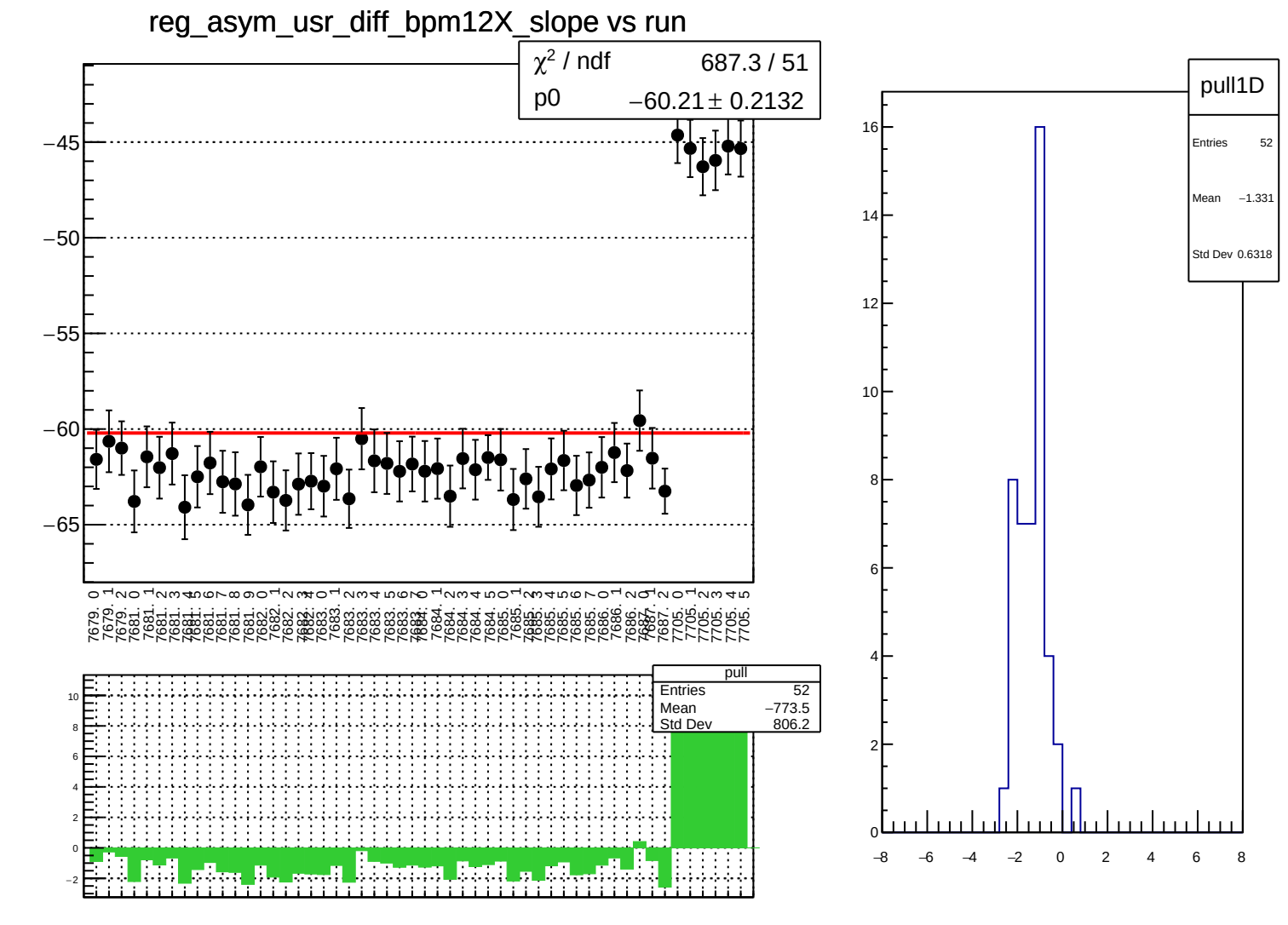

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 56.17 / 51
p0 −163.4 ± 1.829
pull
Entries 52
Mean 56.06
Std Dev 14.53
pull1D
Entries 52
Mean 0.2256
Std Dev 1.015

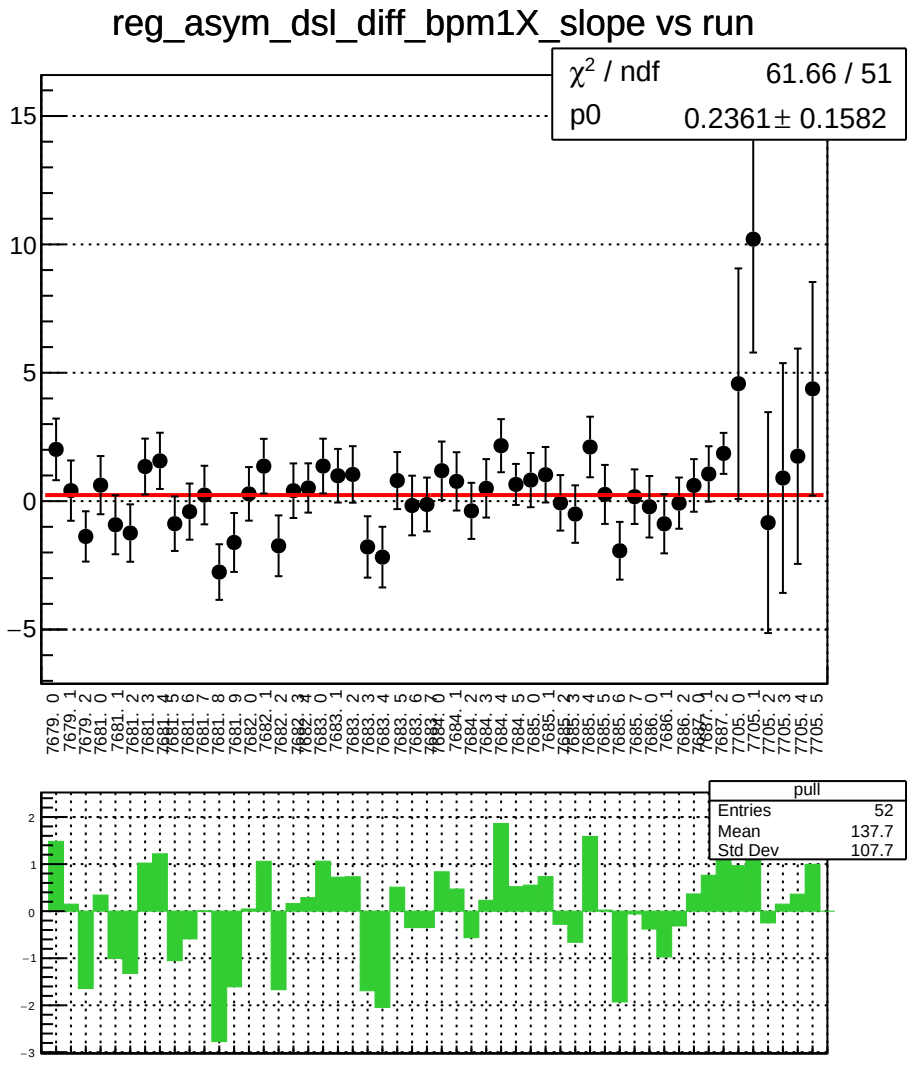

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 7.218 / 51
p0 3.552 ± 3.018
pull
Entries 52
Mean 27.73
Std Dev 21.51
pull1D
Entries 52
Mean 0.03295
Std Dev 0.3711

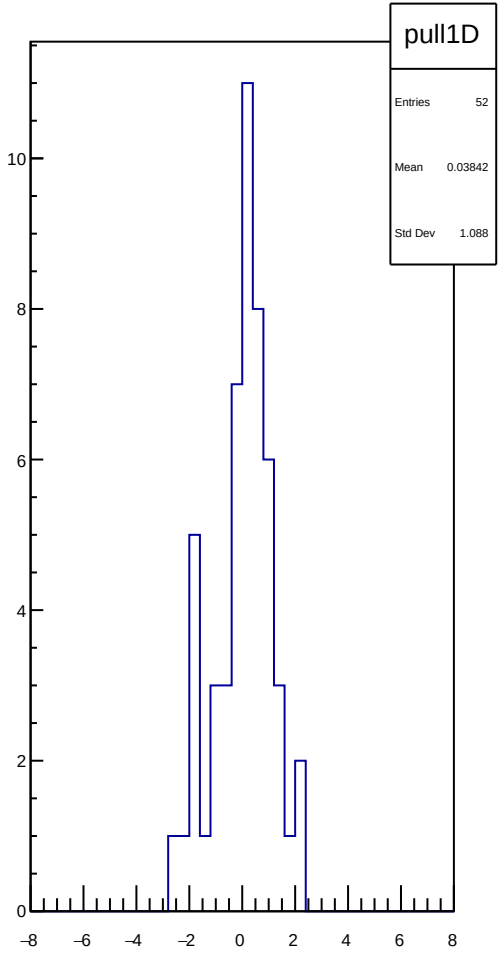

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 60.86 / 51
p0 218.6 ± 1.475
250
200
150
100
50
pull
Entries 52
Mean 55.06
Std Dev 13.29
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 52
Mean −0.247
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

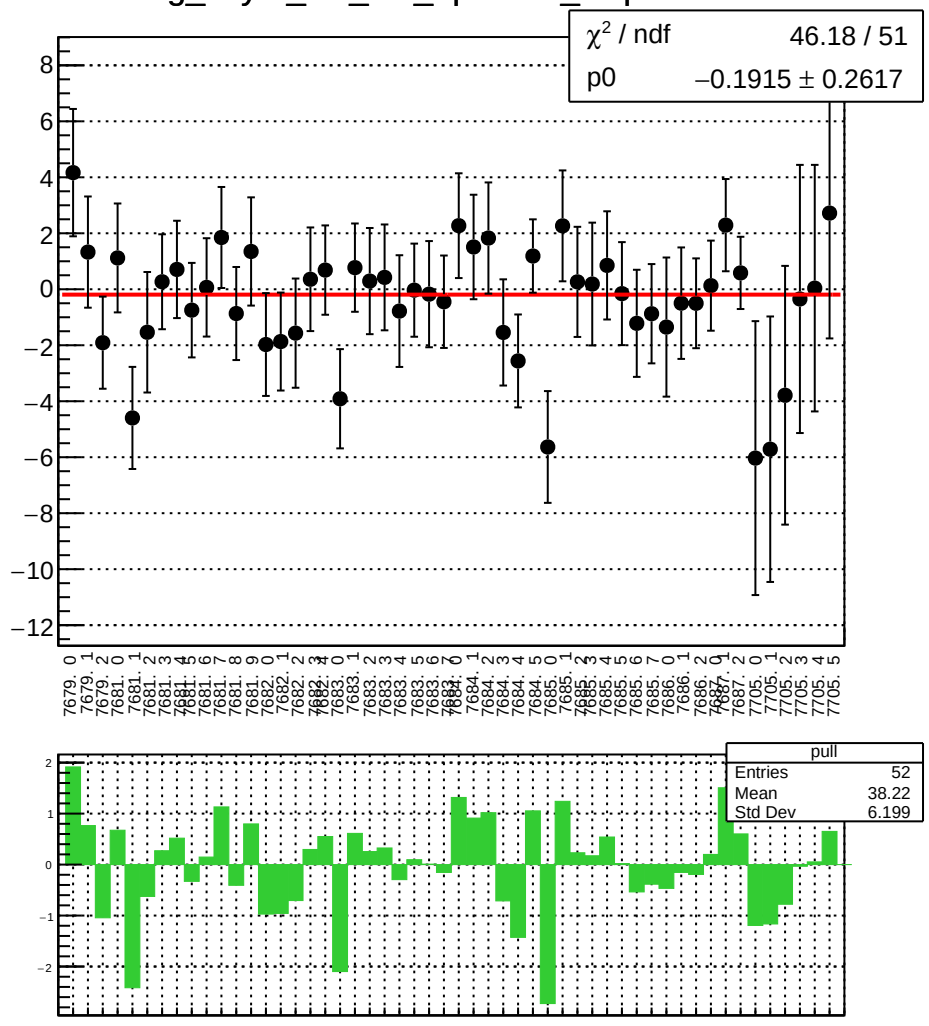

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 8.082 / 51
p0 22.7 ± 4.438
pull
Entries 52
Mean 40.02
Std Dev 21.96

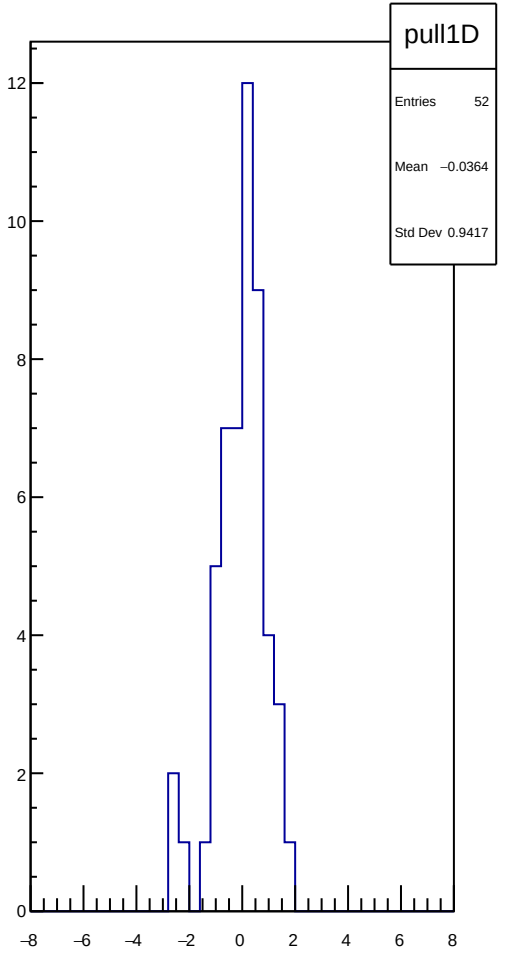

pull1D
Entries 52
Mean −0.02707
Std Dev 0.3933

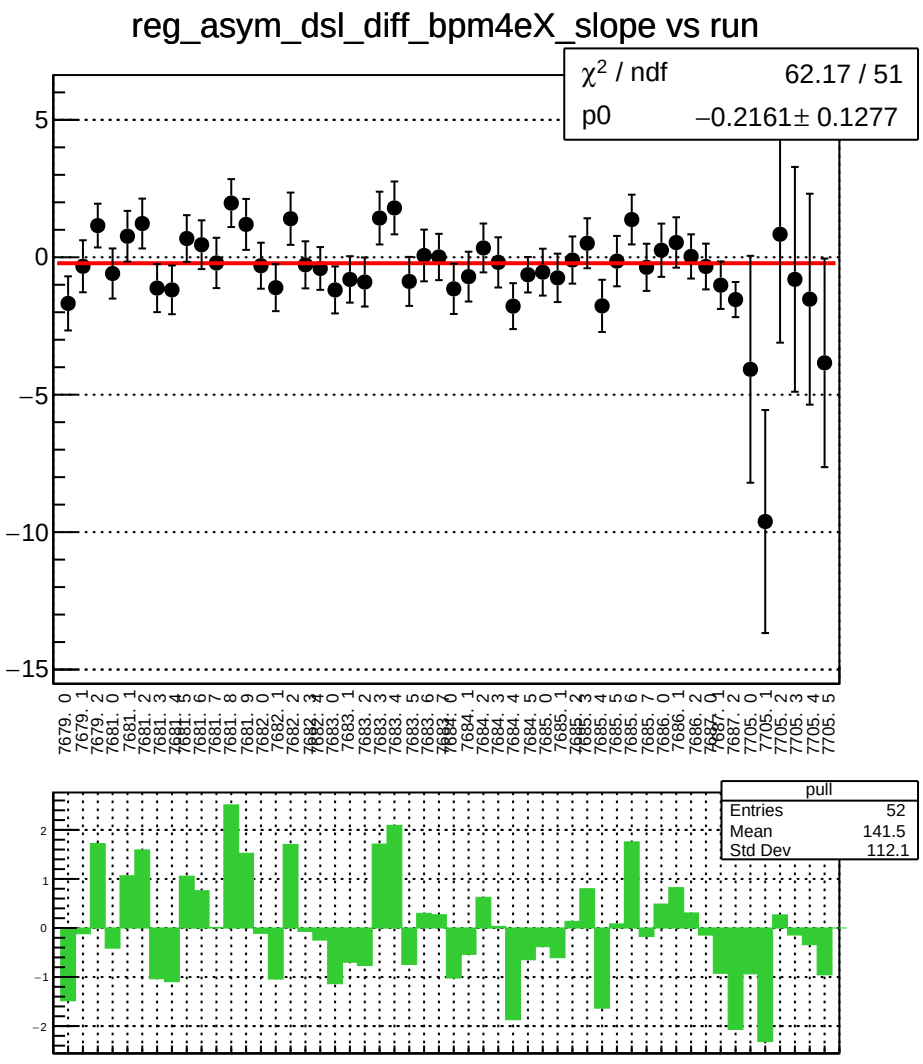

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 687.3 / 51
p0 −60.21 ± 0.2132
pull
Entries 52
Mean −773.5
Std Dev 806.2
pull1D
Entries 52
Mean −1.331
Std Dev 0.6318

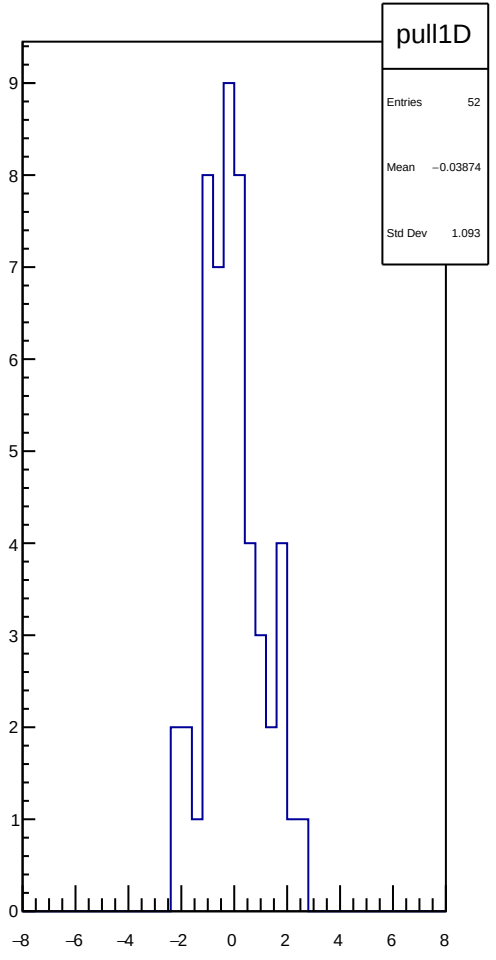

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 61.66 / 51
p0 0.2361± 0.1582
pull
Entries 52
Mean 137.7
Std Dev 107.7

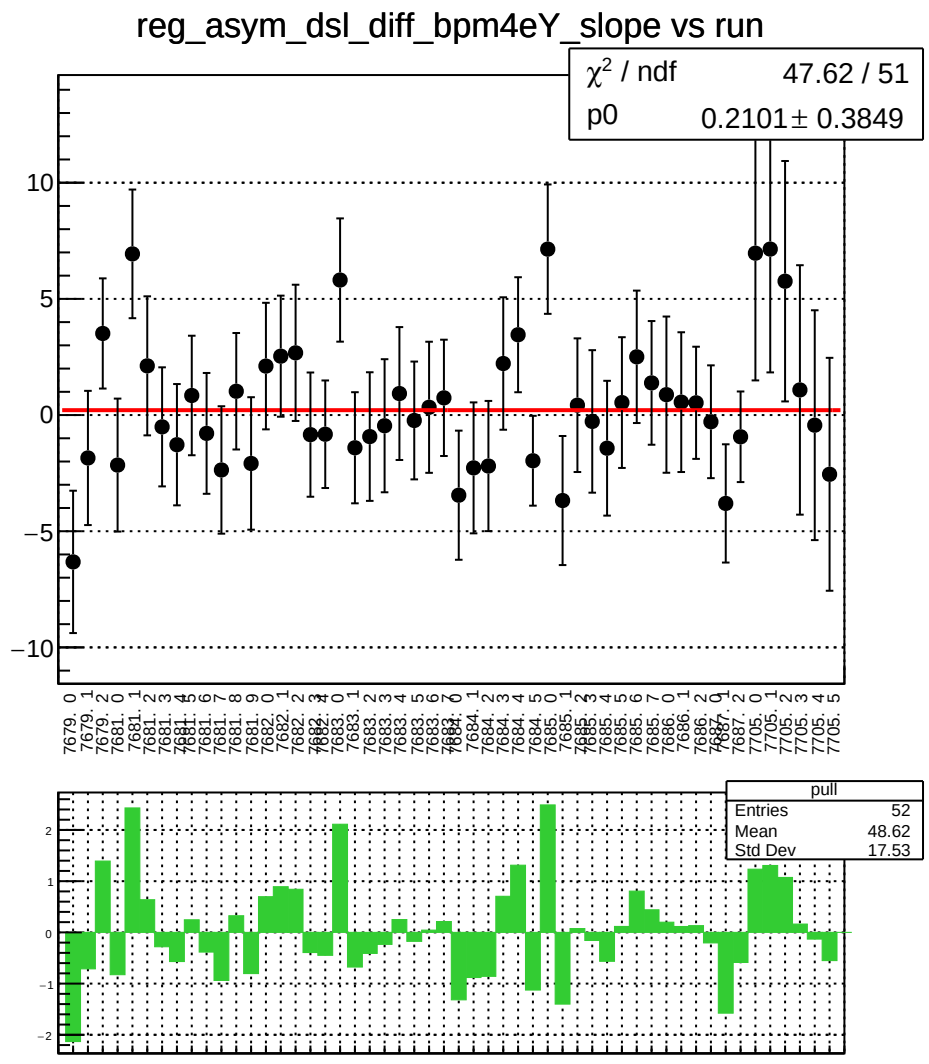

pull1D
Entries 52
Mean 0.03842
Std Dev 1.088

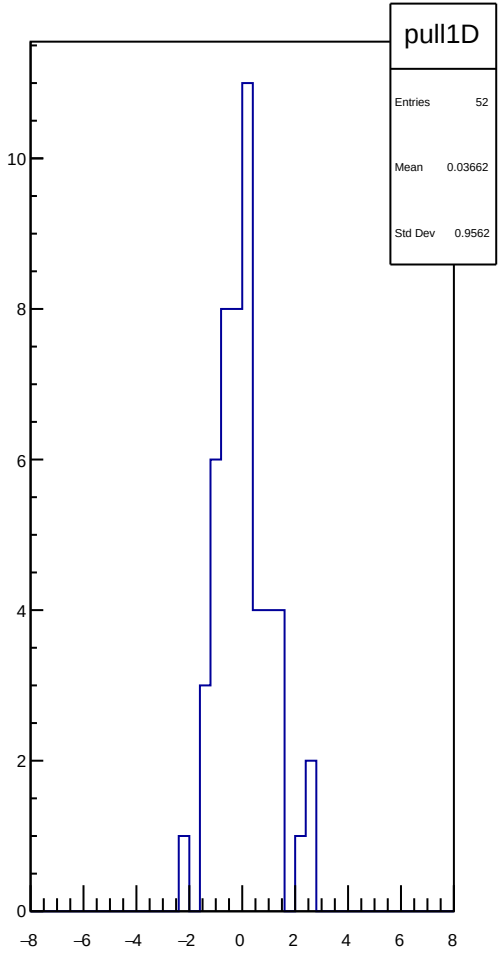

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 46.18 / 51
p0 −0.1915 ± 0.2617
pull
Entries 52
Mean 38.22
Std Dev 6.199

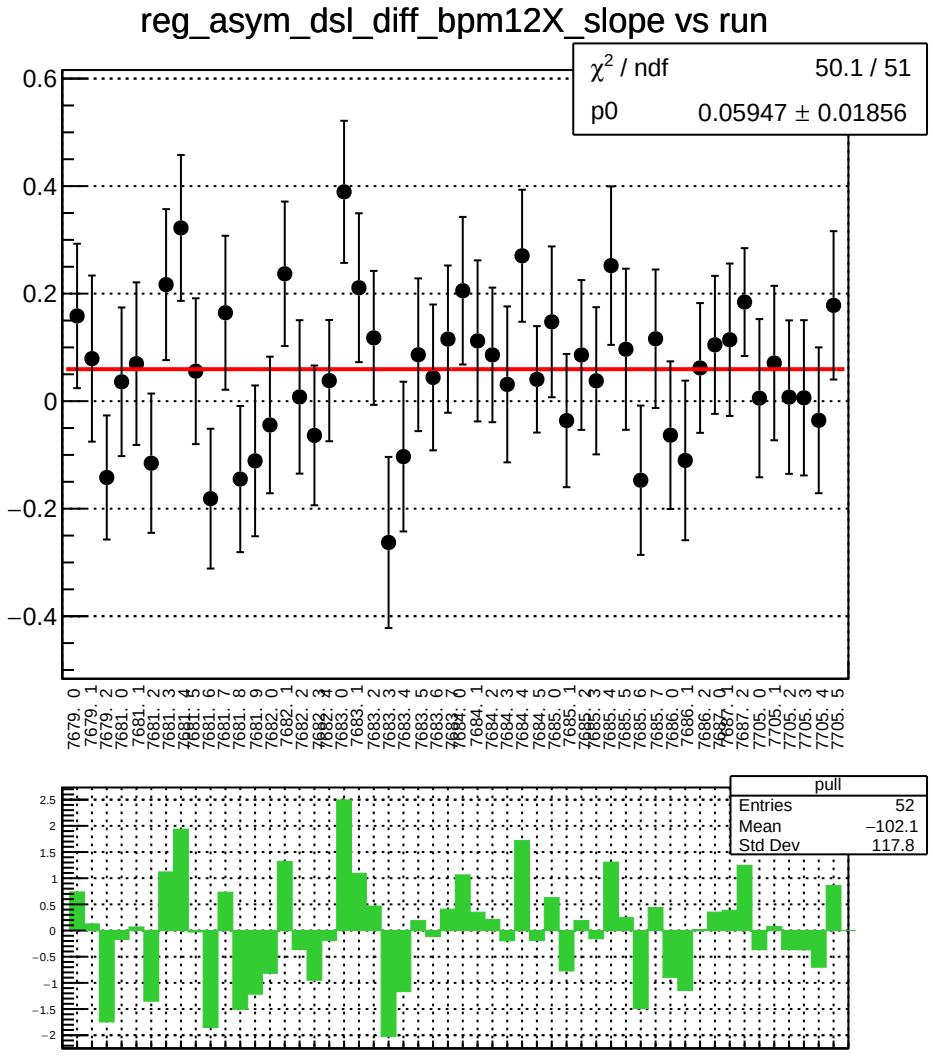

pull1D
Entries 52
Mean −0.0364
Std Dev 0.9417

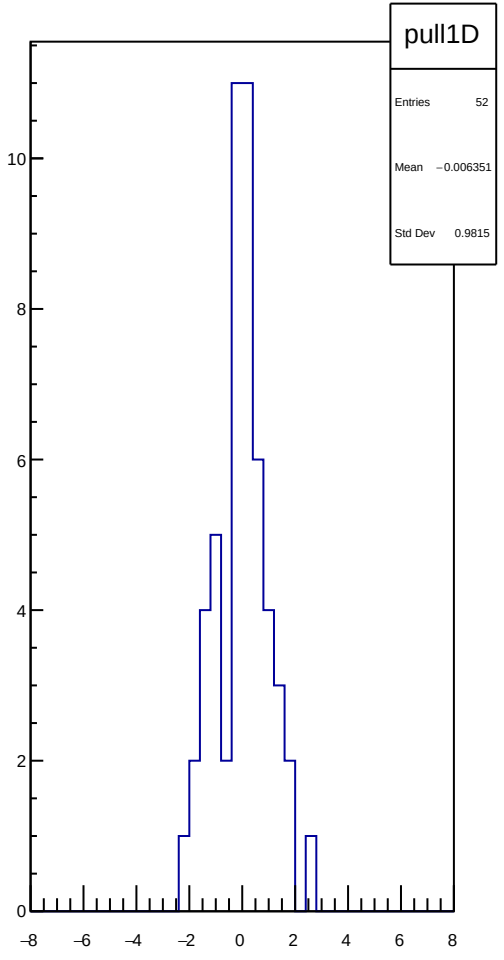

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 62.17 / 51
p0 −0.2161± 0.1277
pull
Entries 52
Mean 141.5
Std Dev 112.1

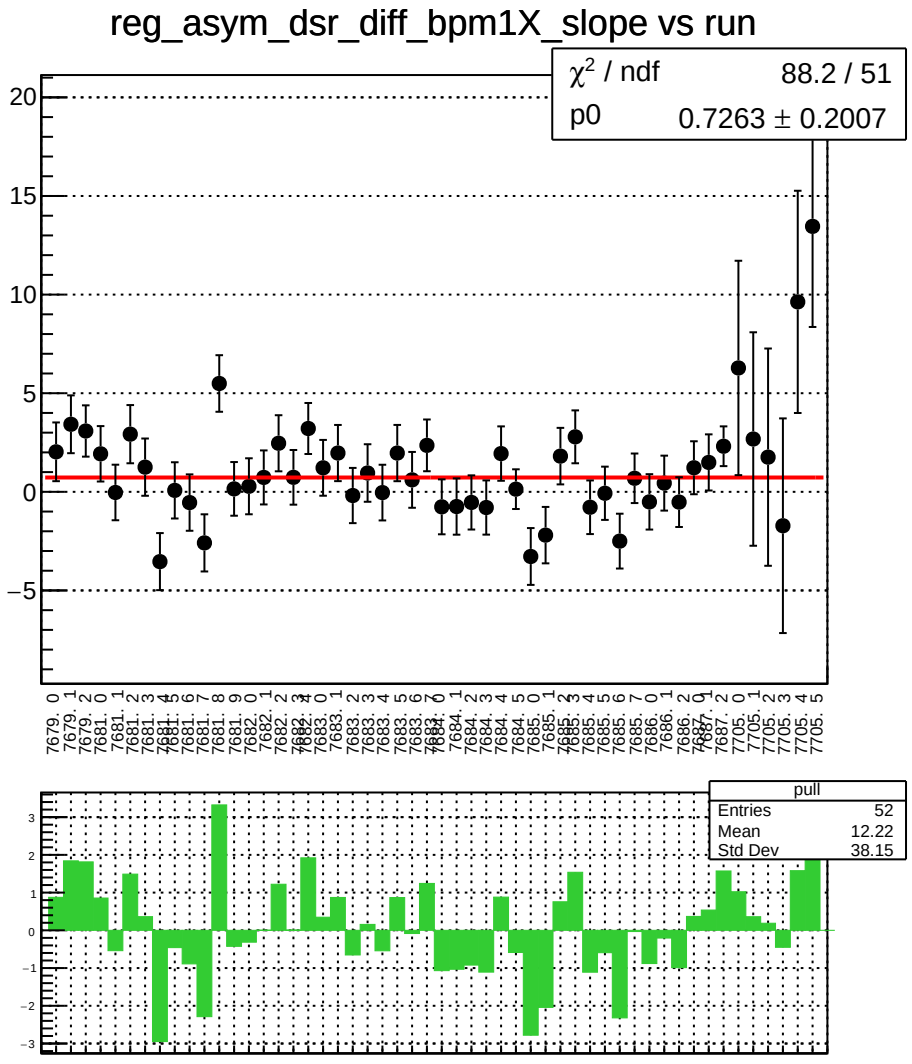

pull1D
Entries 52
Mean −0.03874
Std Dev 1.093

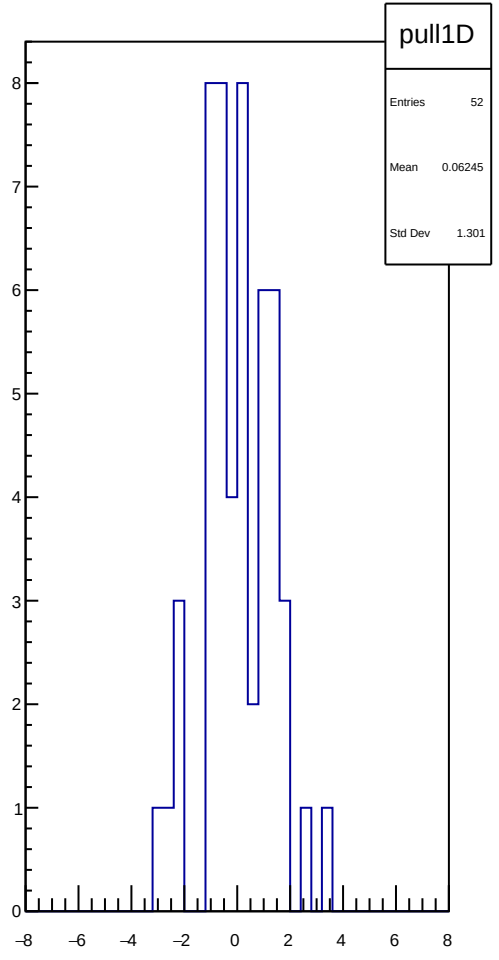

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 47.62 / 51
p0 0.2101± 0.3849
pull
Entries 52
Mean 48.62
Std Dev 17.53

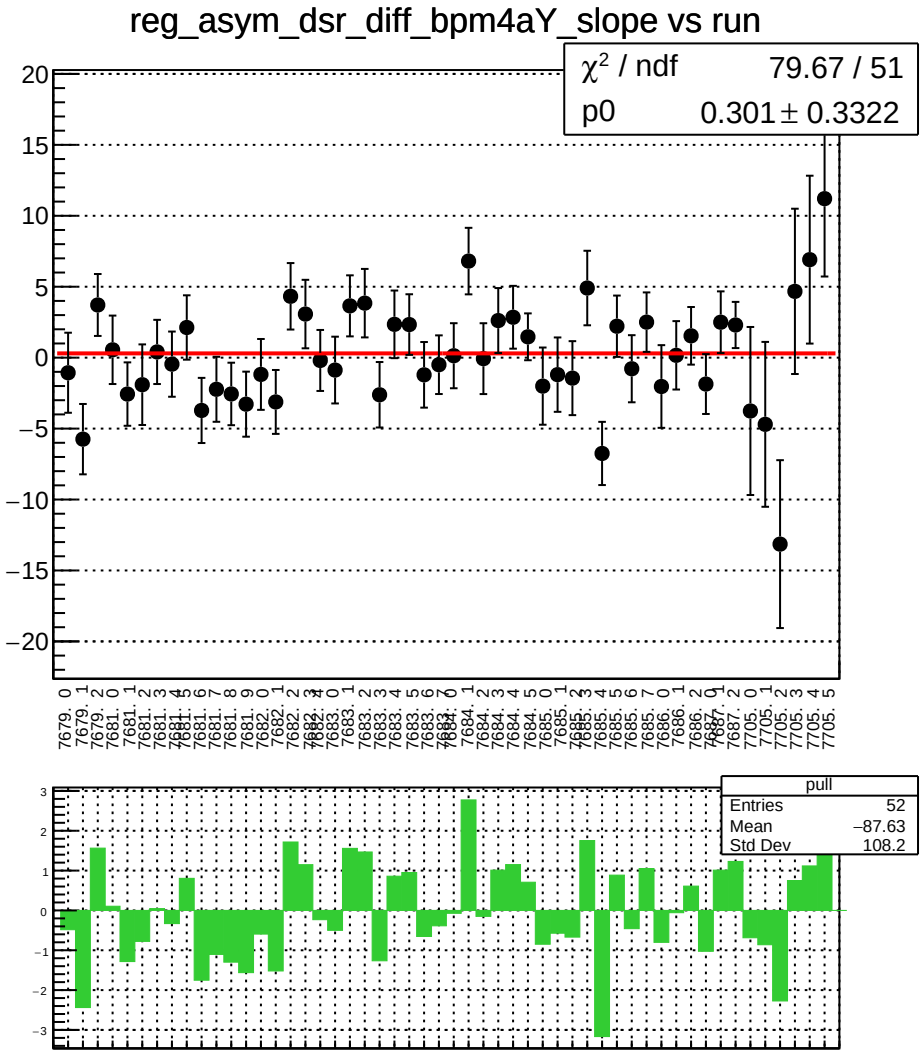

pull1D
Entries 52
Mean 0.03662
Std Dev 0.9562

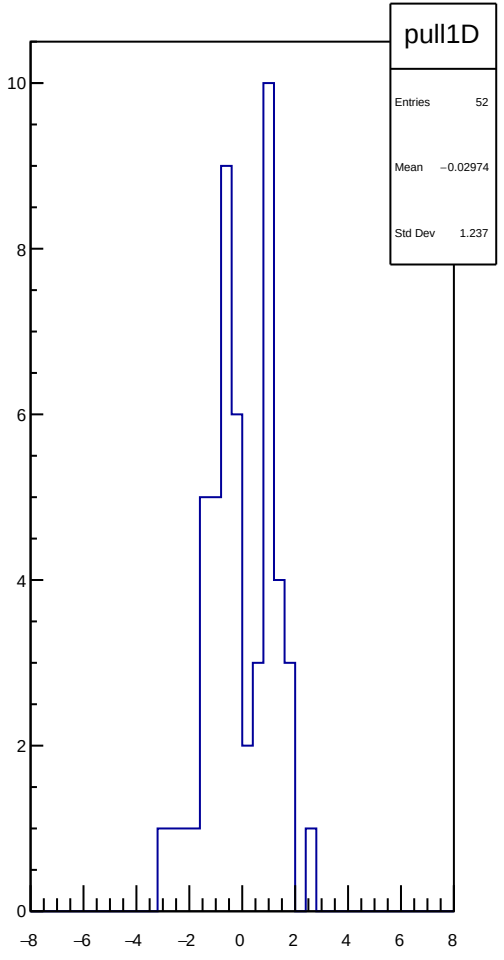

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 50.1 / 51
p0 0.05947 ± 0.01856
pull
Entries 52
Mean −102.1
Std Dev 117.8

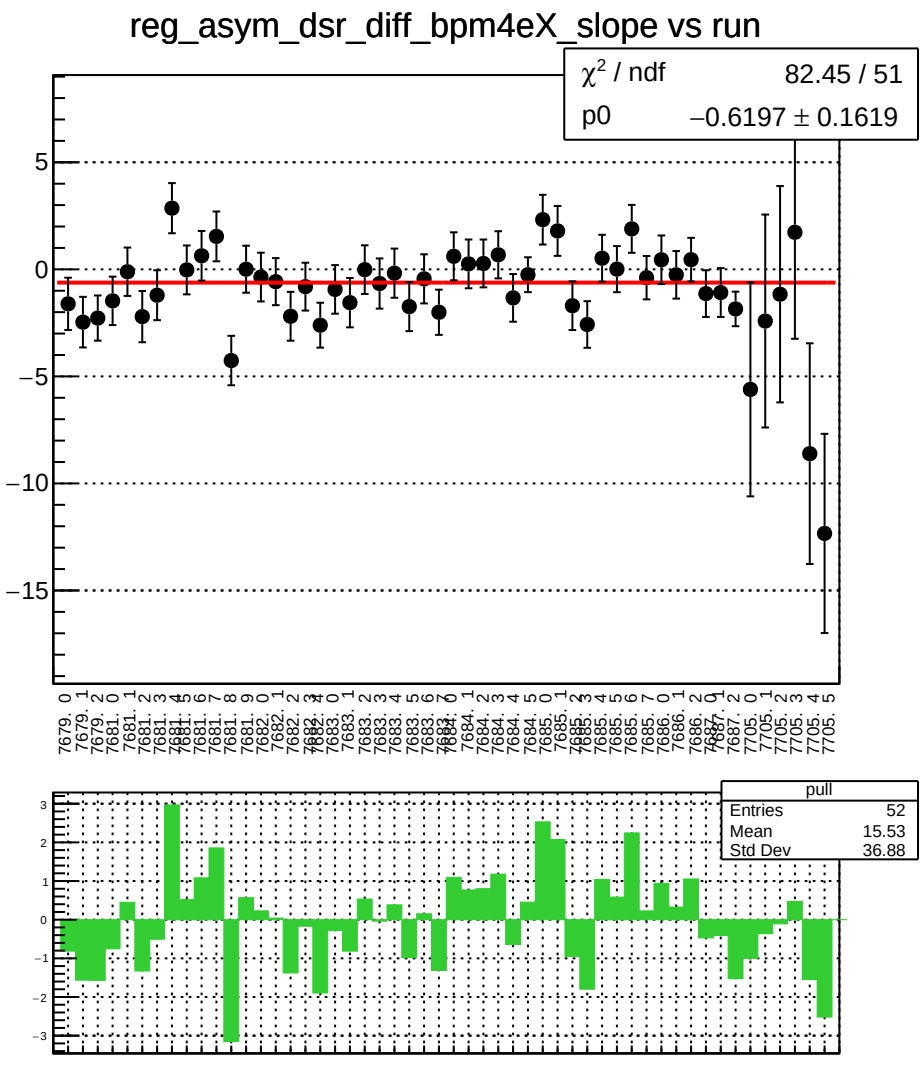

pull1D
Entries 52
Mean −0.006351
Std Dev 0.9815

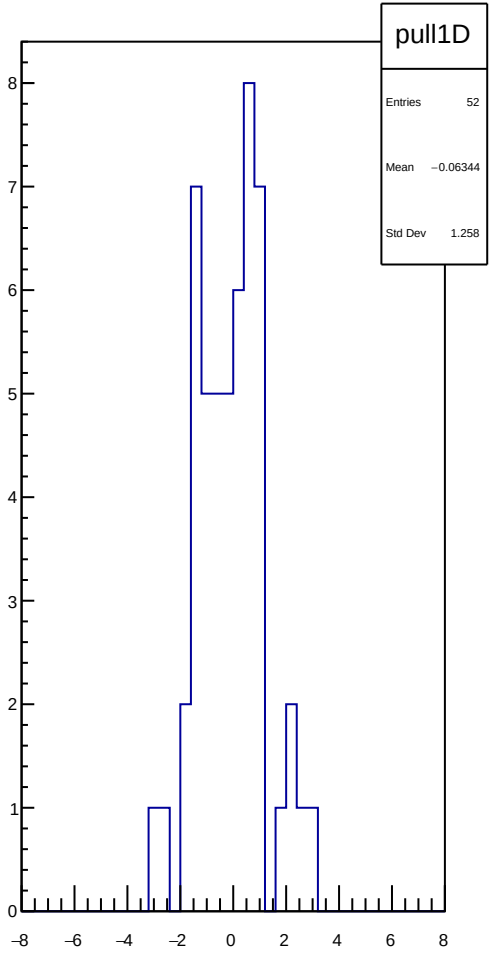

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 88.2 / 51
p0 0.7263 ± 0.2007
pull
Entries 52
Mean 12.22
Std Dev 38.15

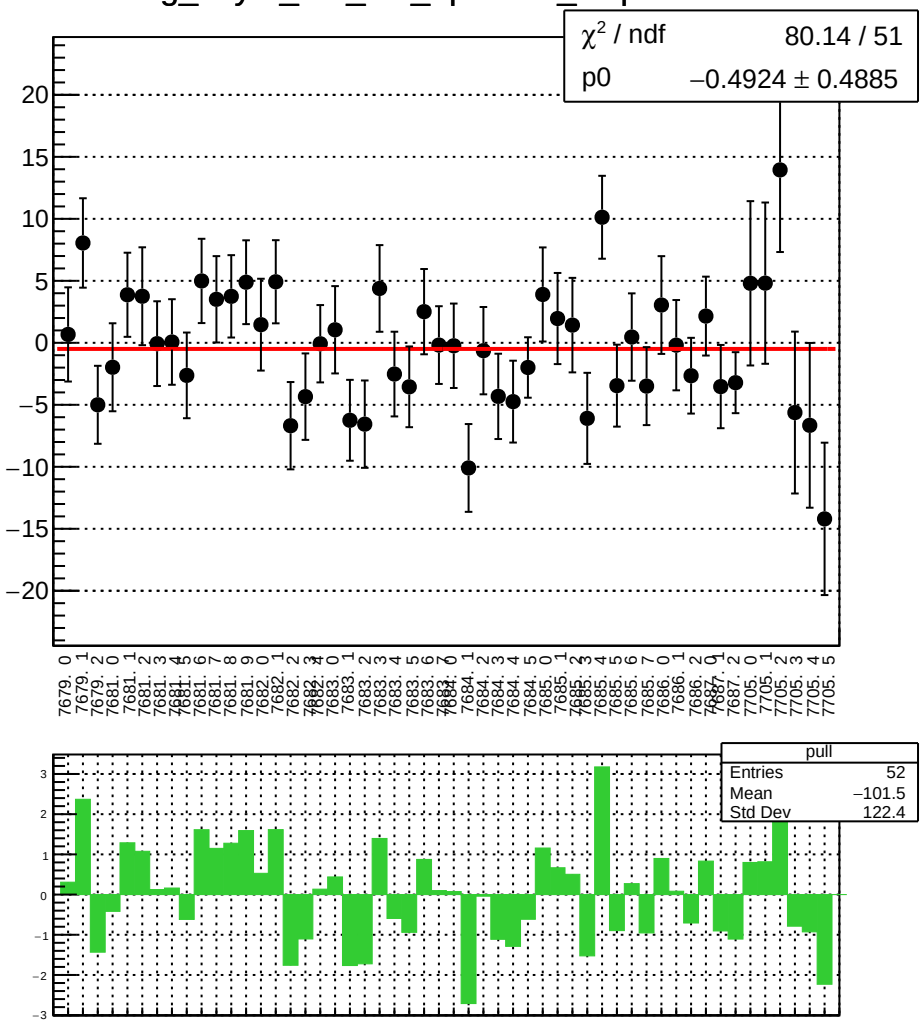

pull1D
Entries 52
Mean 0.06245
Std Dev 1.301

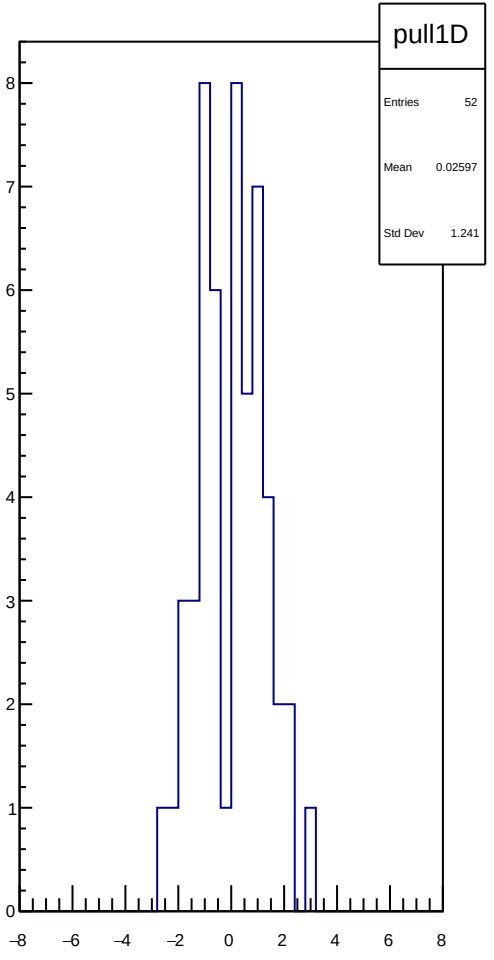

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 79.67 / 51
p0 0.301 ± 0.3322
pull
Entries 52
Mean −87.63
Std Dev 108.2

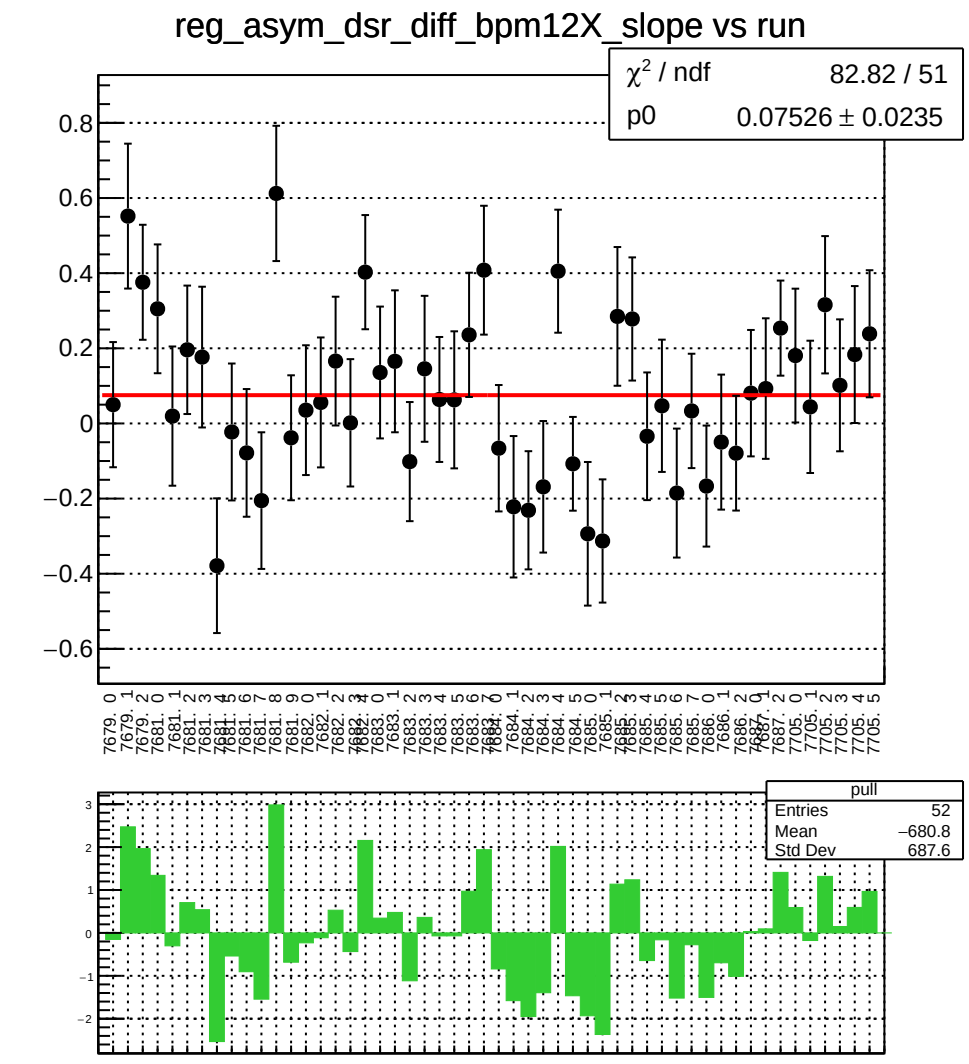

pull1D
Entries 52
Mean −0.02974
Std Dev 1.237

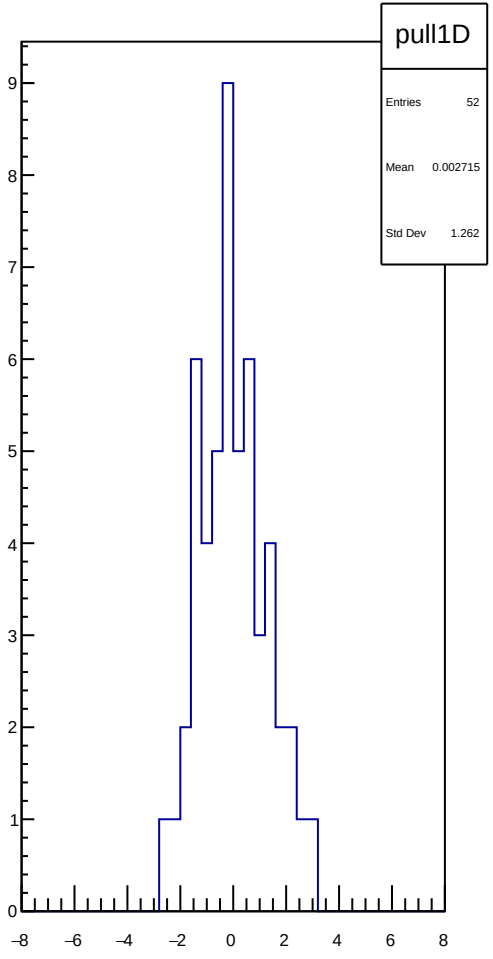

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 82.45 / 51
p0 −0.6197 ± 0.1619
pull
Entries 52
Mean 15.53
Std Dev 36.88

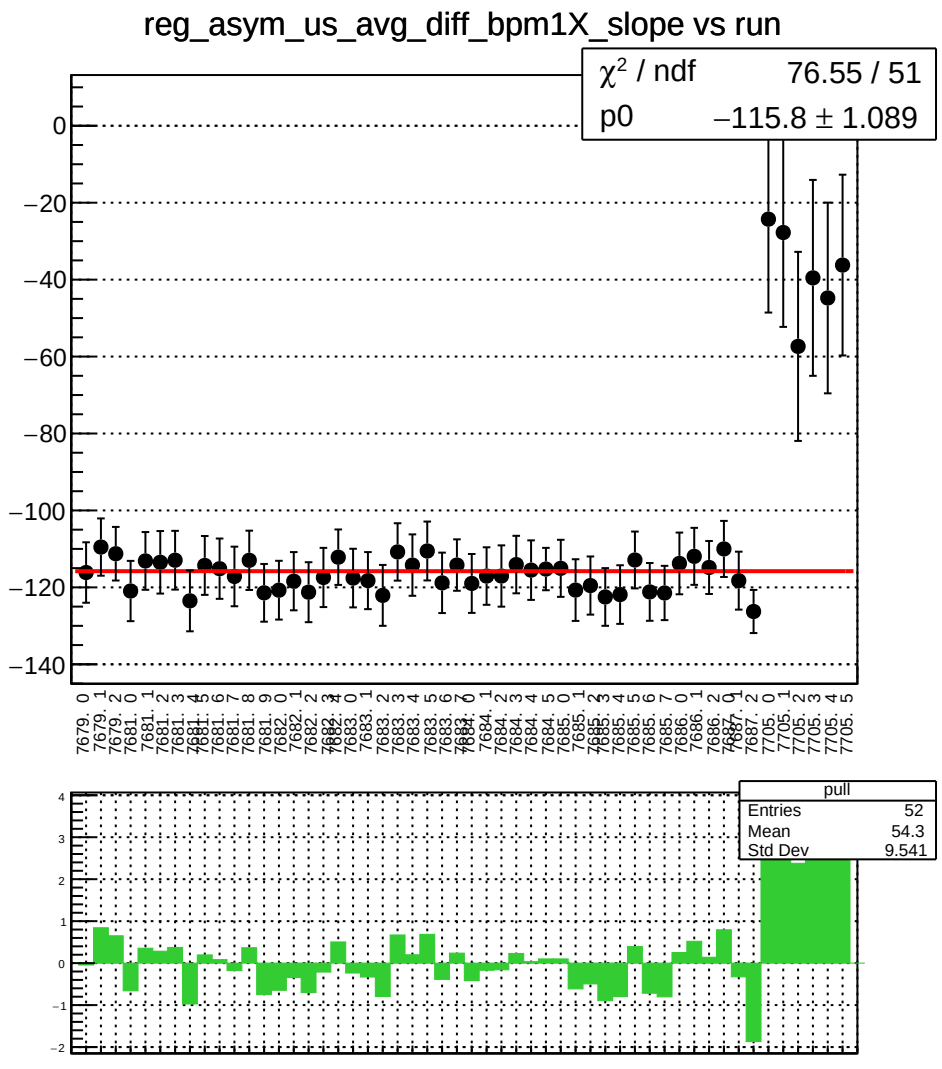

pull1D
Entries 52
Mean −0.06344
Std Dev 1.258

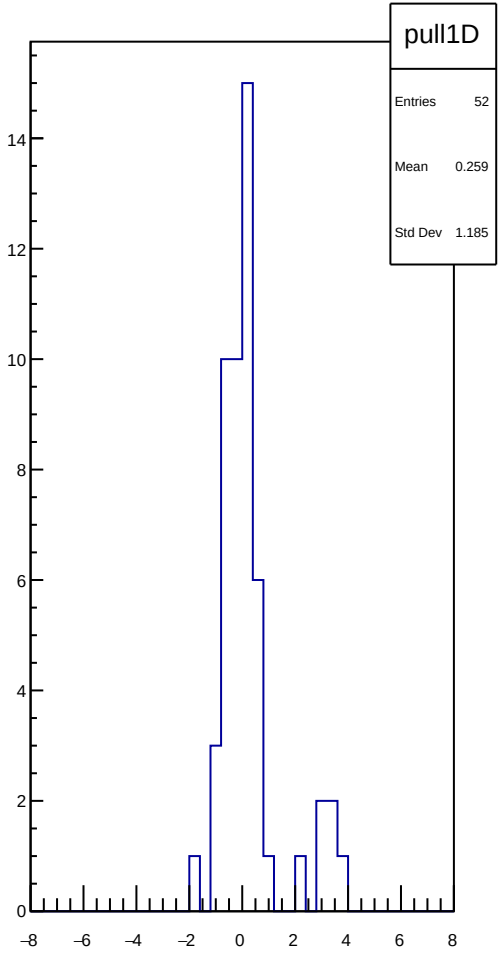

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 80.14 / 51
p0 −0.4924 ± 0.4885
pull
Entries 52
Mean −101.5
Std Dev 122.4

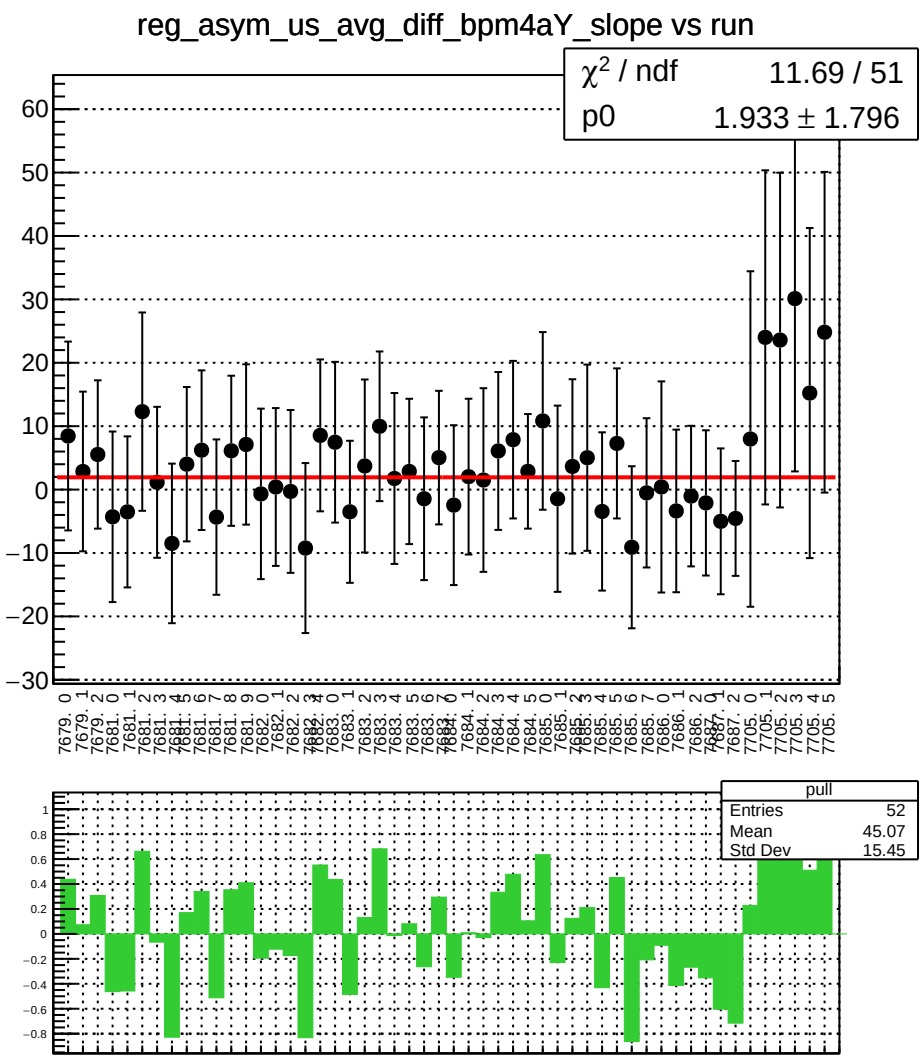

pull1D
Entries 52
Mean 0.02597
Std Dev 1.241

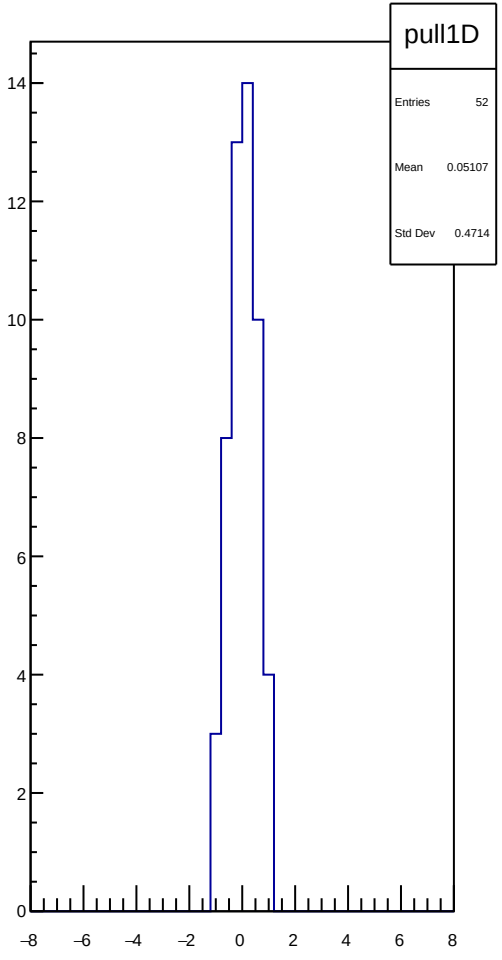

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 82.82 / 51
p0 0.07526 ± 0.0235
pull
Entries 52
Mean −680.8
Std Dev 687.6

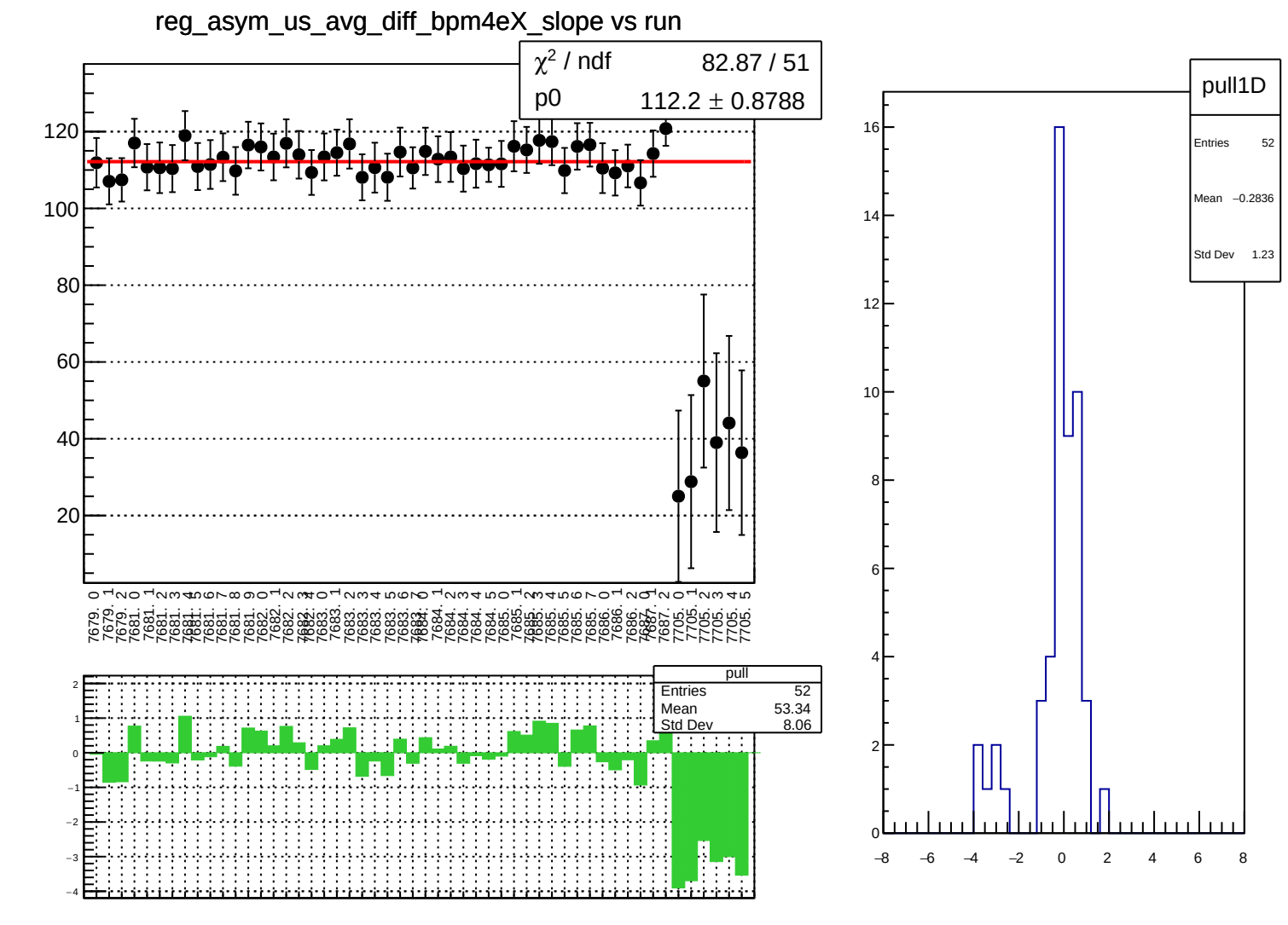

pull1D
Entries 52
Mean 0.002715
Std Dev 1.262

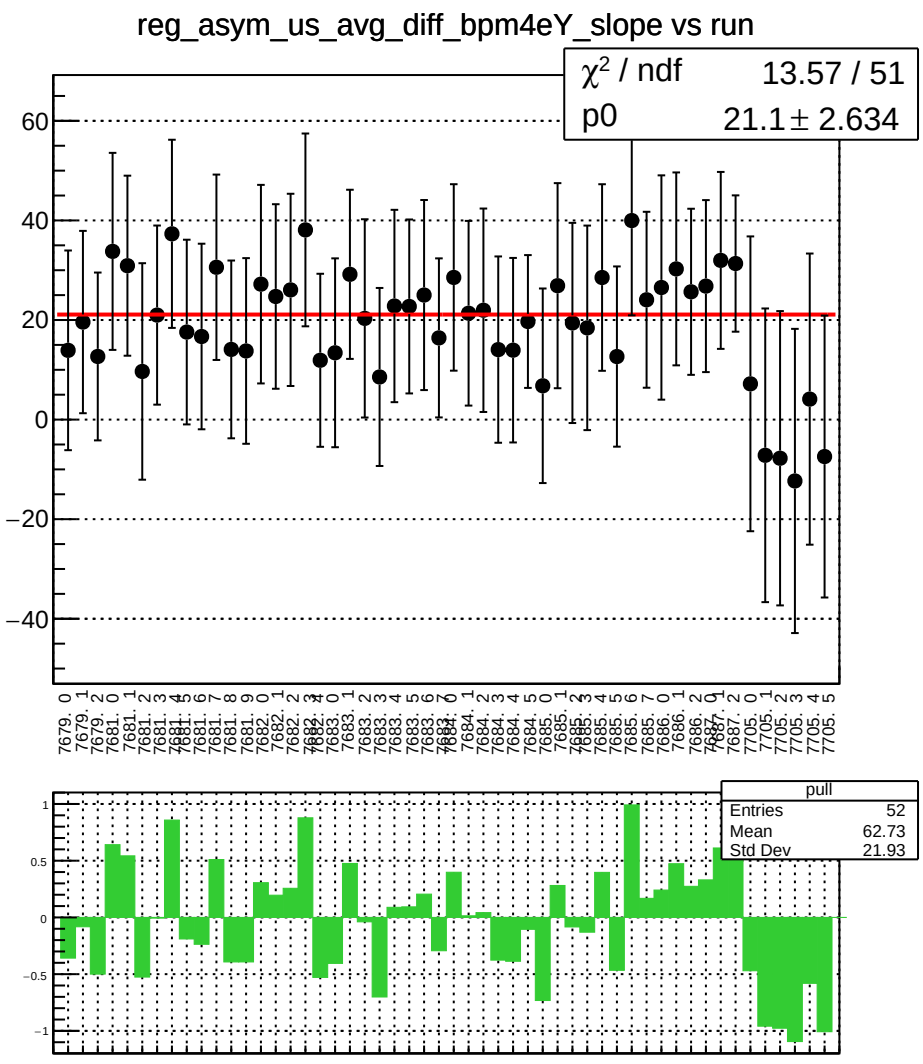

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 76.55 / 51
p0 −115.8 ± 1.089
pull
Entries 52
Mean 54.3
Std Dev 9.541

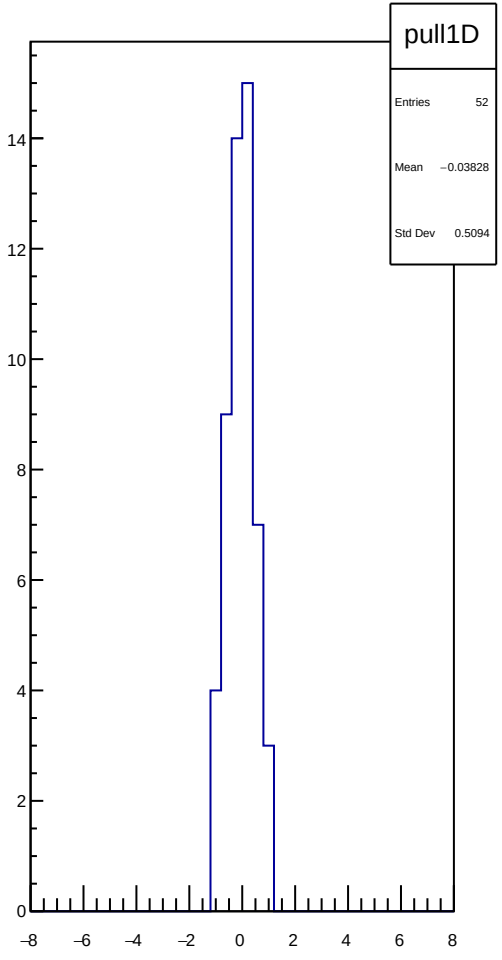

pull1D
Entries 52
Mean 0.259
Std Dev 1.185

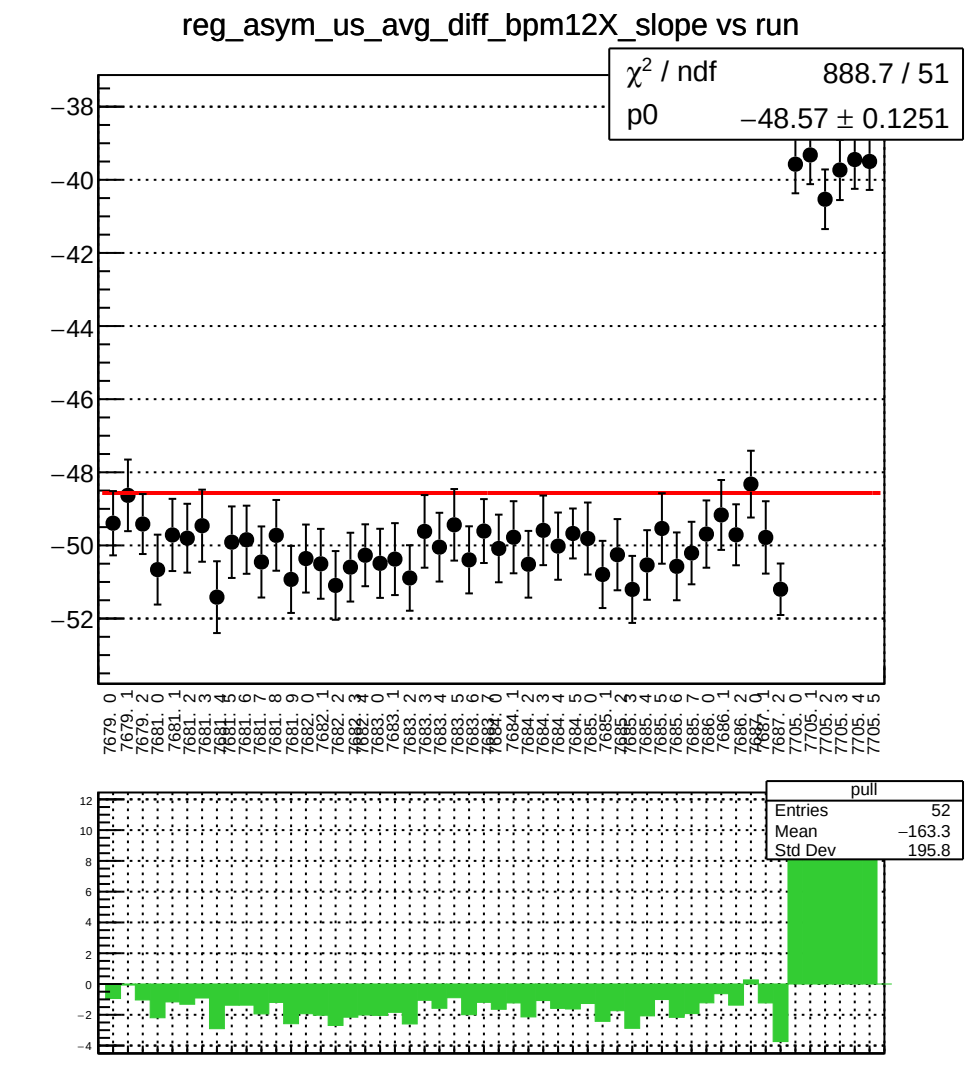

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.69 / 51
p0 1.933 ± 1.796
pull
Entries 52
Mean 45.07
Std Dev 15.45

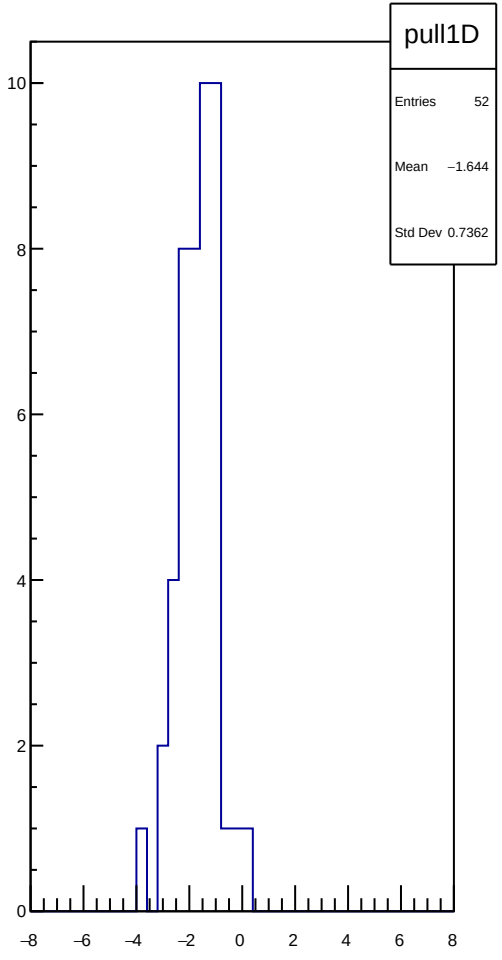

pull1D
Entries 52
Mean 0.05107
Std Dev 0.4714

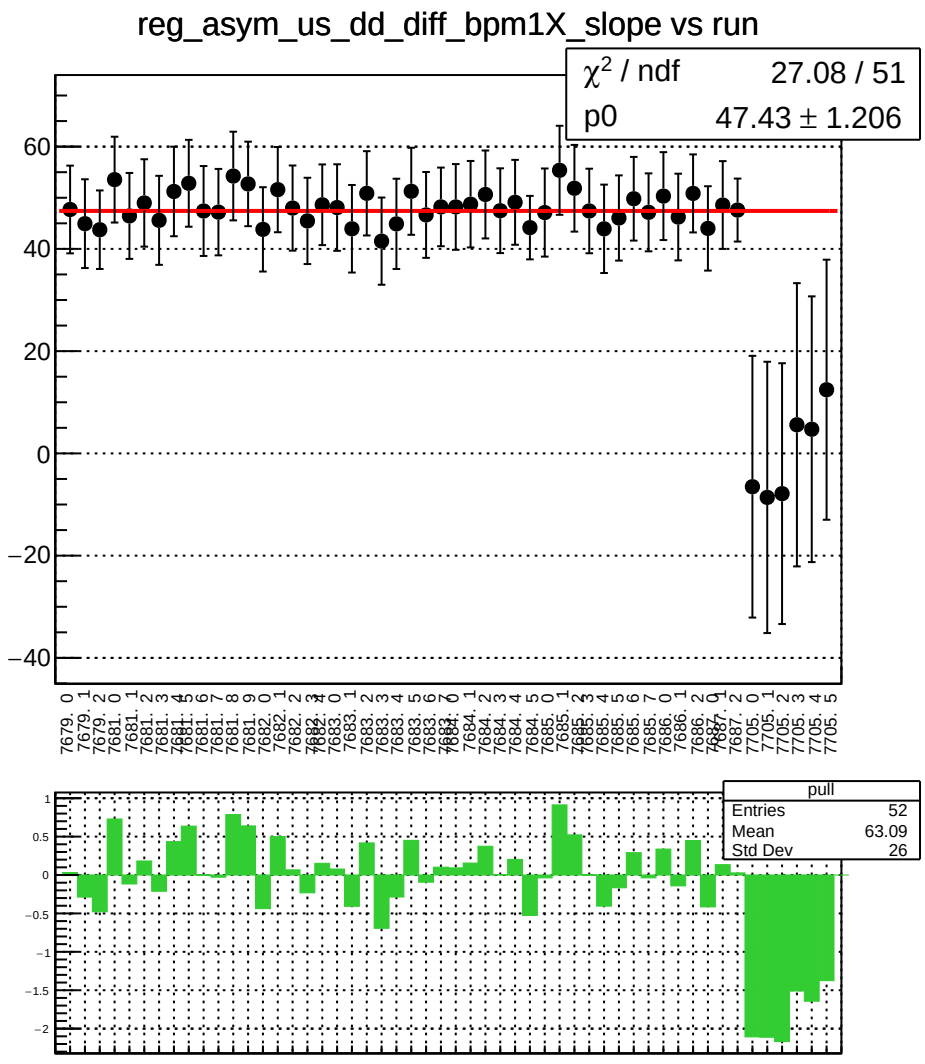

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 82.87 / 51
p0 112.2 ± 0.8788
pull
Entries 52
Mean 53.34
Std Dev 8.06
pull1D
Entries 52
Mean −0.2836
Std Dev 1.23

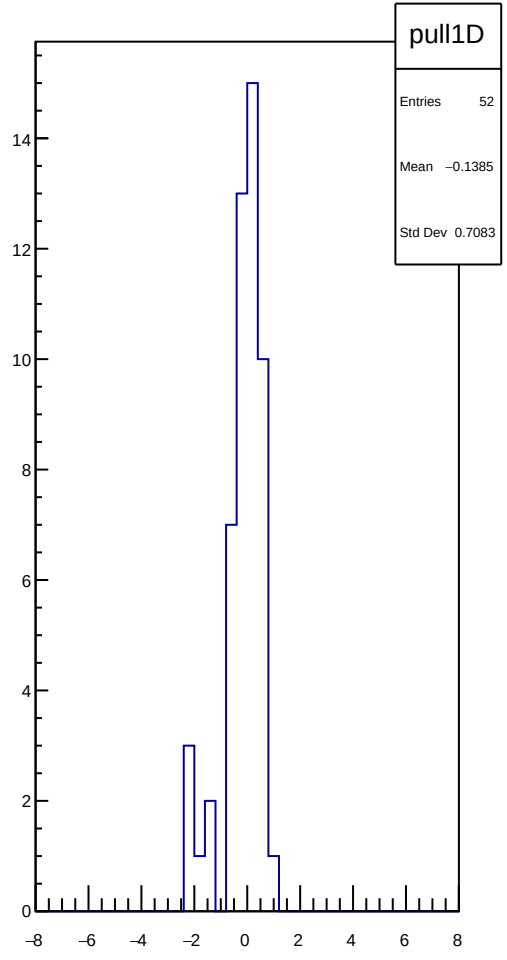

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.57 / 51
p0 21.1 ± 2.634
pull
Entries 52
Mean 62.73
Std Dev 21.93

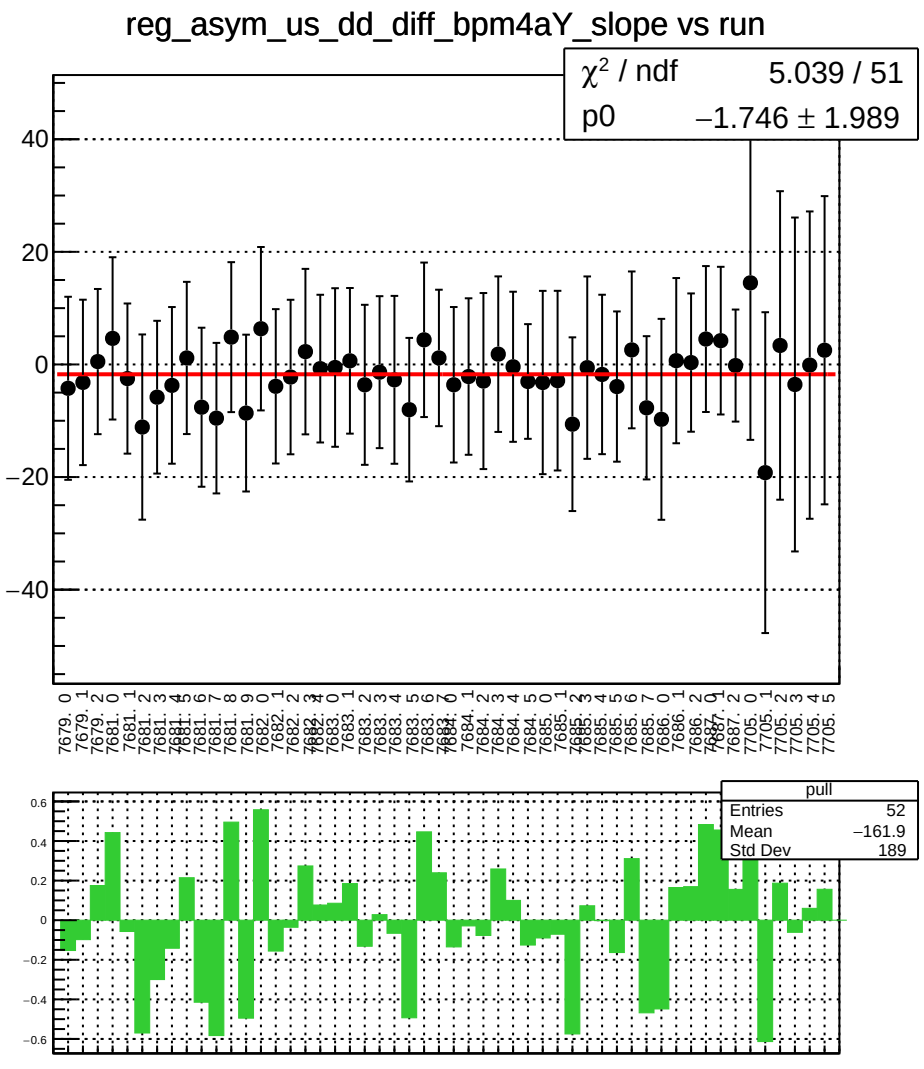

pull1D
Entries 52
Mean −0.03828
Std Dev 0.5094

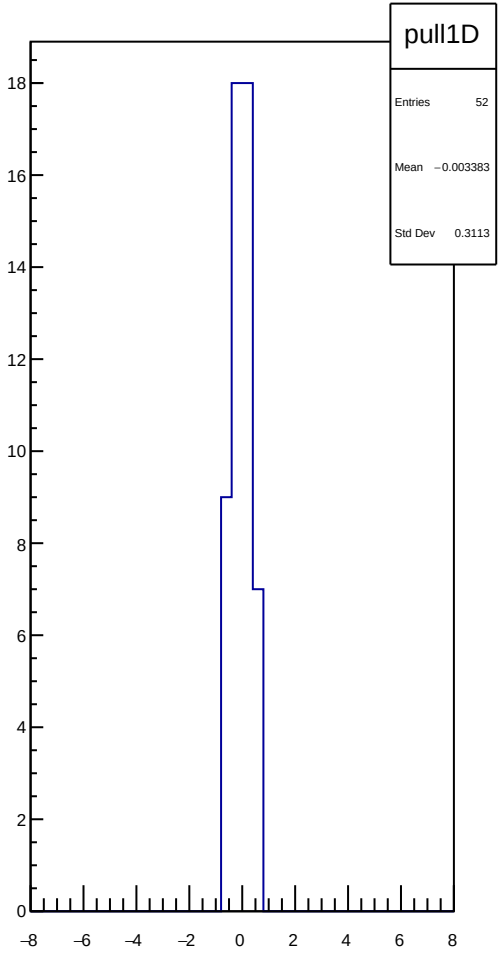

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 888.7 / 51
p0 −48.57 ± 0.1251
pull
Entries 52
Mean −163.3
Std Dev 195.8

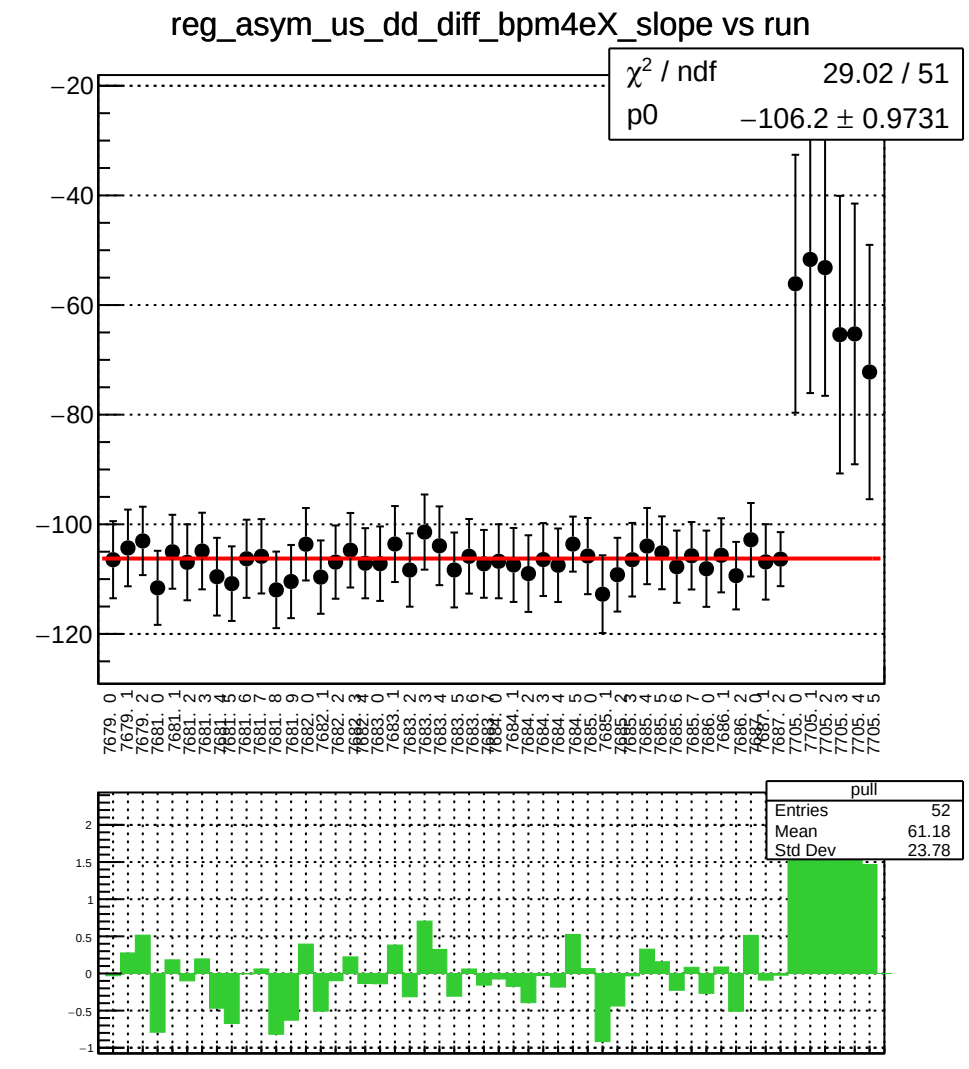

pull1D
Entries 52
Mean −1.644
Std Dev 0.7362

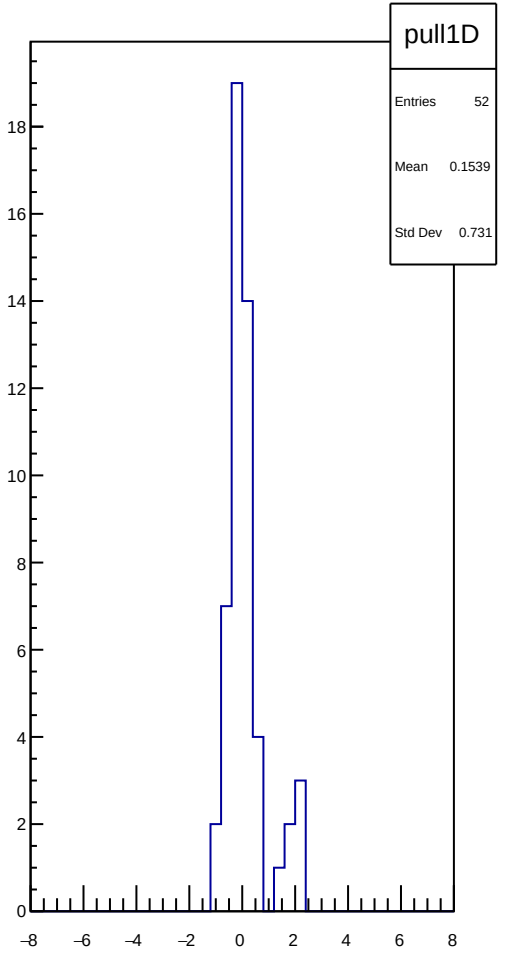

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 27.08 / 51
p0 47.43 ± 1.206
pull
Entries 52
Mean 63.09
Std Dev 26

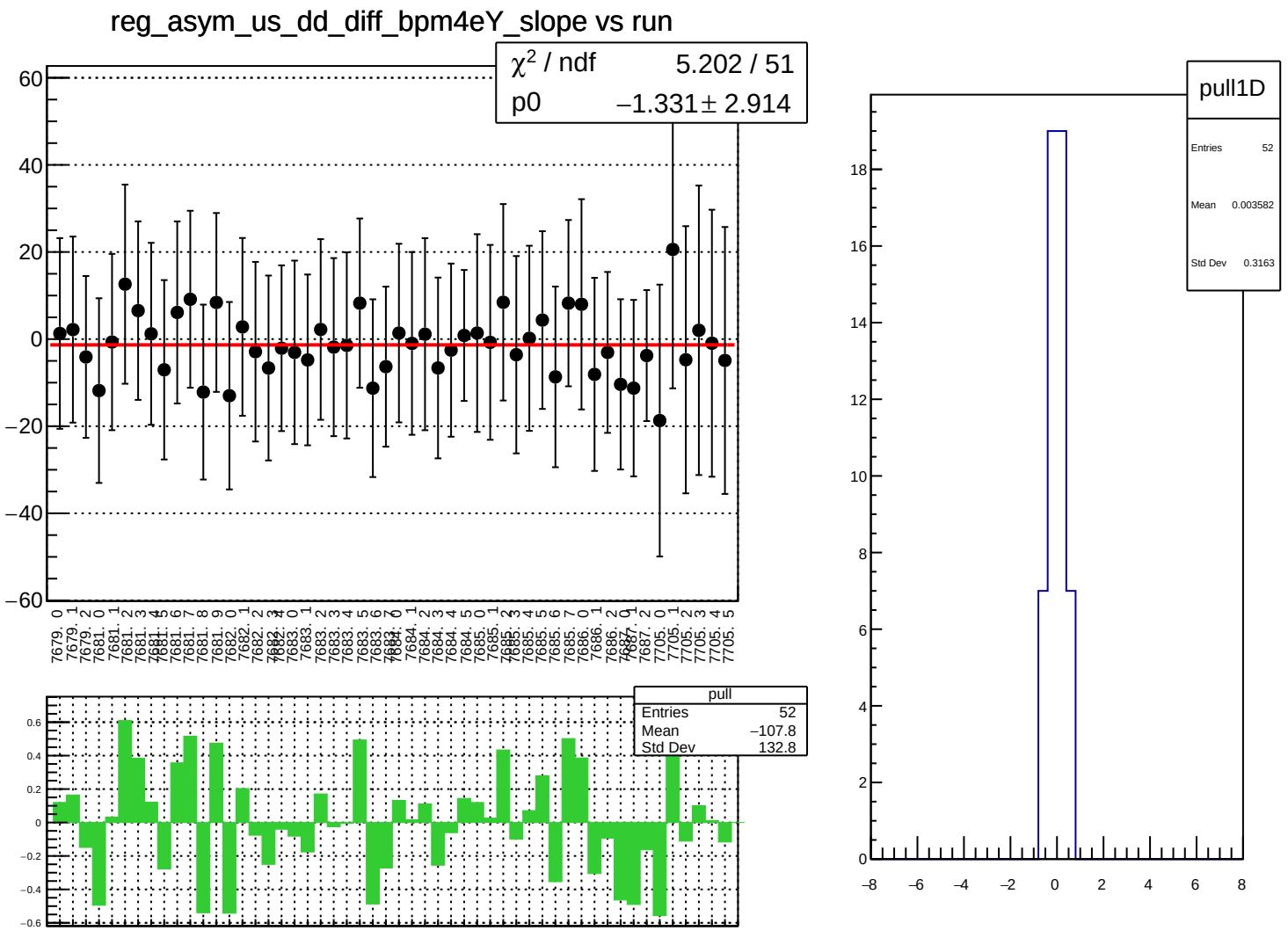

pull1D
Entries 52
Mean −0.1385
Std Dev 0.7083

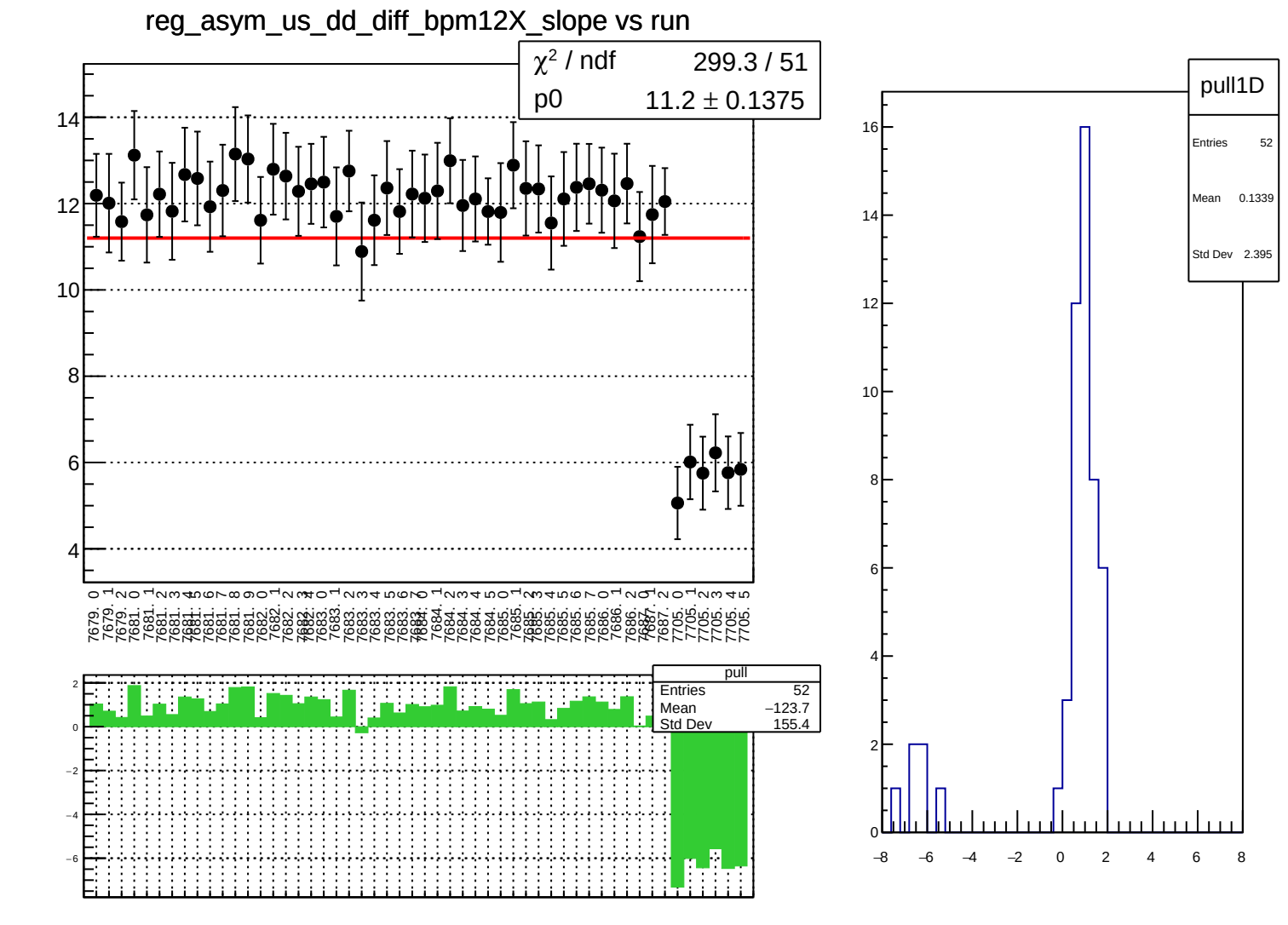

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.039 / 51
p0 −1.746 ± 1.989
pull
Entries 52
Mean −161.9
Std Dev 189

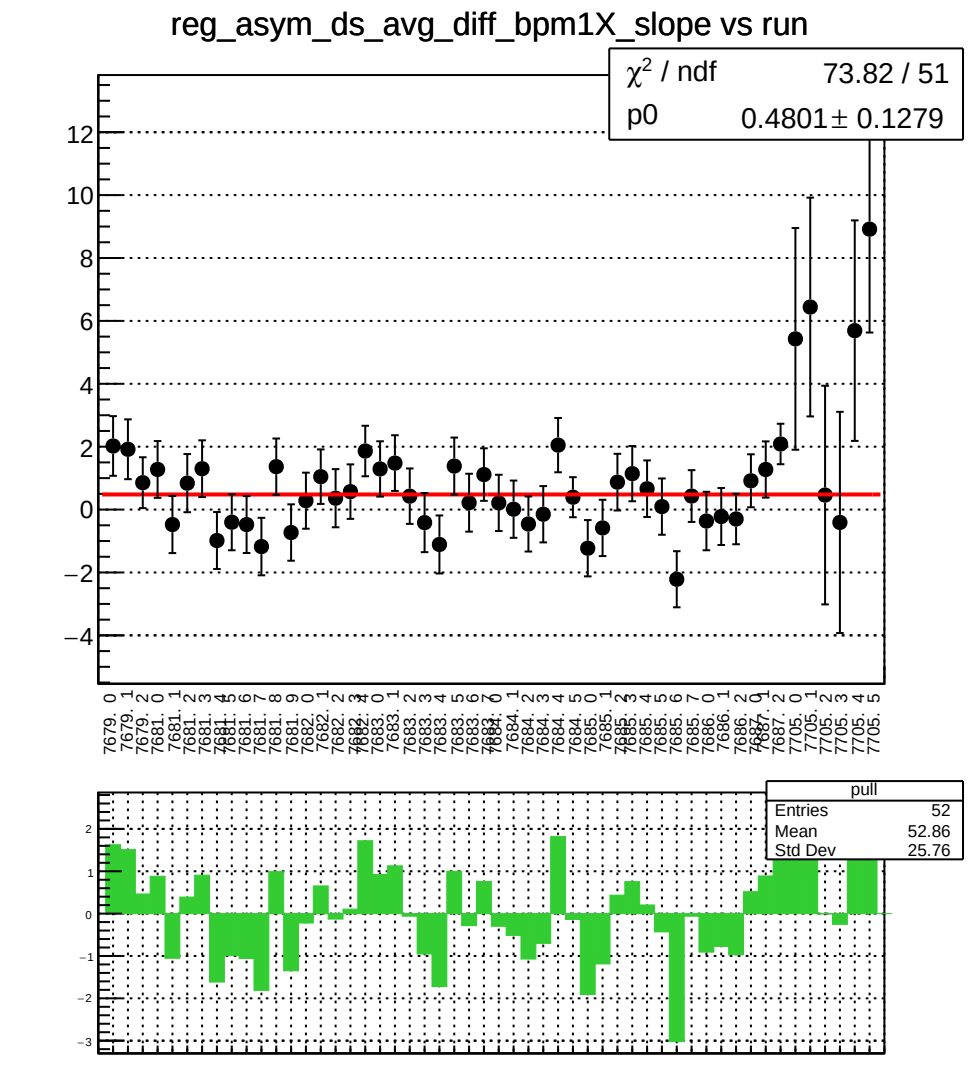

pull1D
Entries 52
Mean −0.003383
Std Dev 0.3113

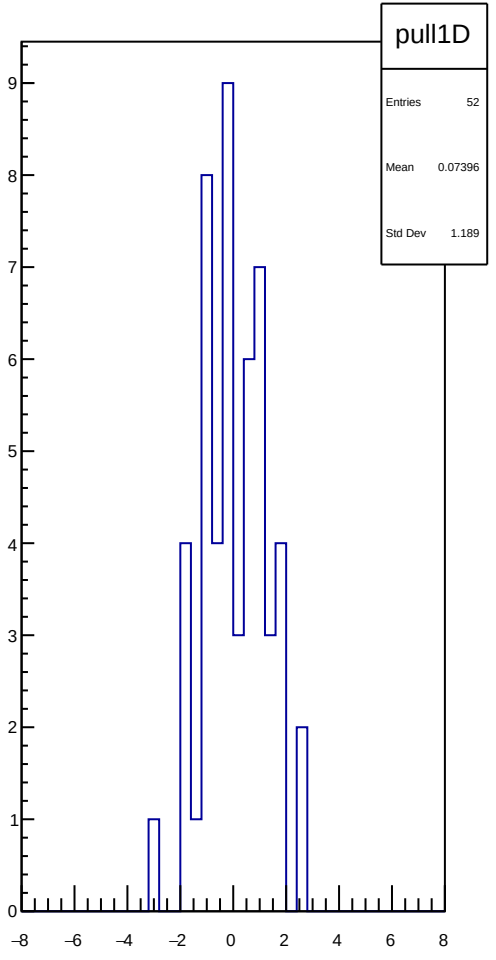

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.02 / 51
p0 −106.2 ± 0.9731
pull
Entries 52
Mean 61.18
Std Dev 23.78

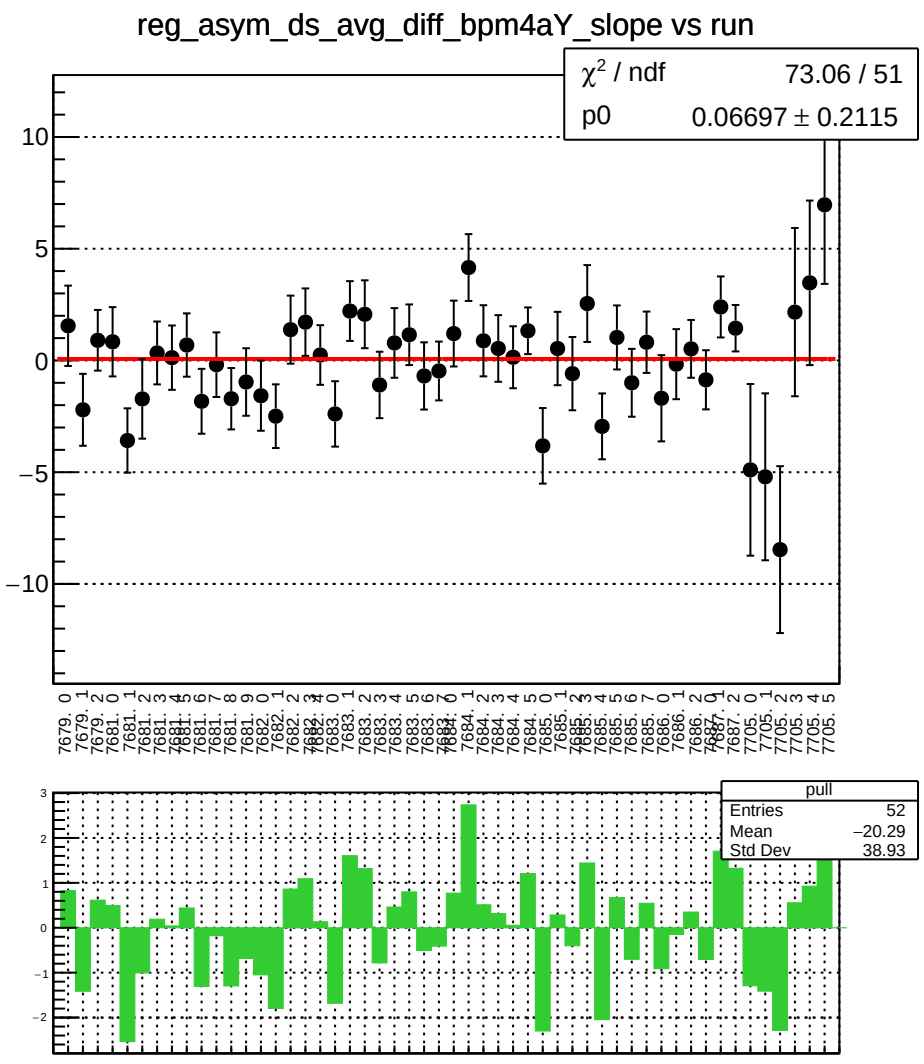

pull1D
Entries 52
Mean 0.1539
Std Dev 0.731

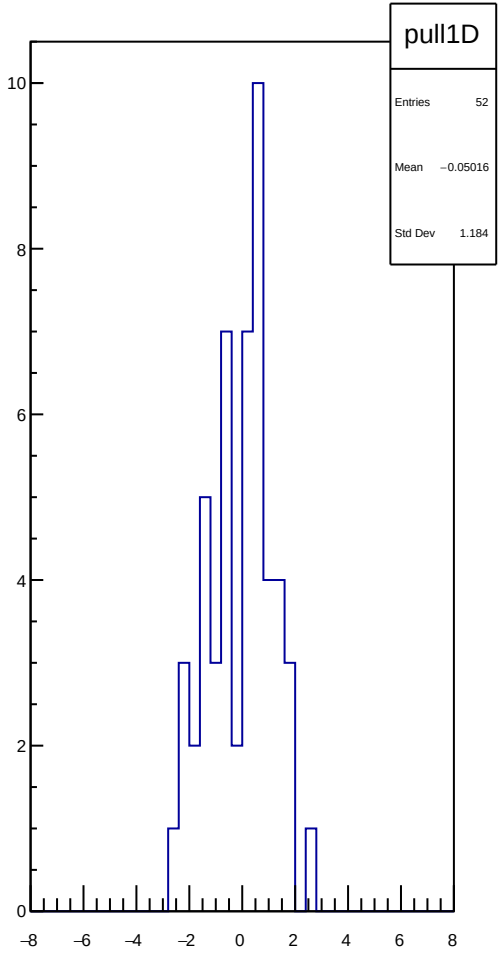

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.202 / 51
p0 −1.331 ± 2.914
pull
Entries 52
Mean −107.8
Std Dev 132.8
pull1D
Entries 52
Mean 0.003582
Std Dev 0.3163

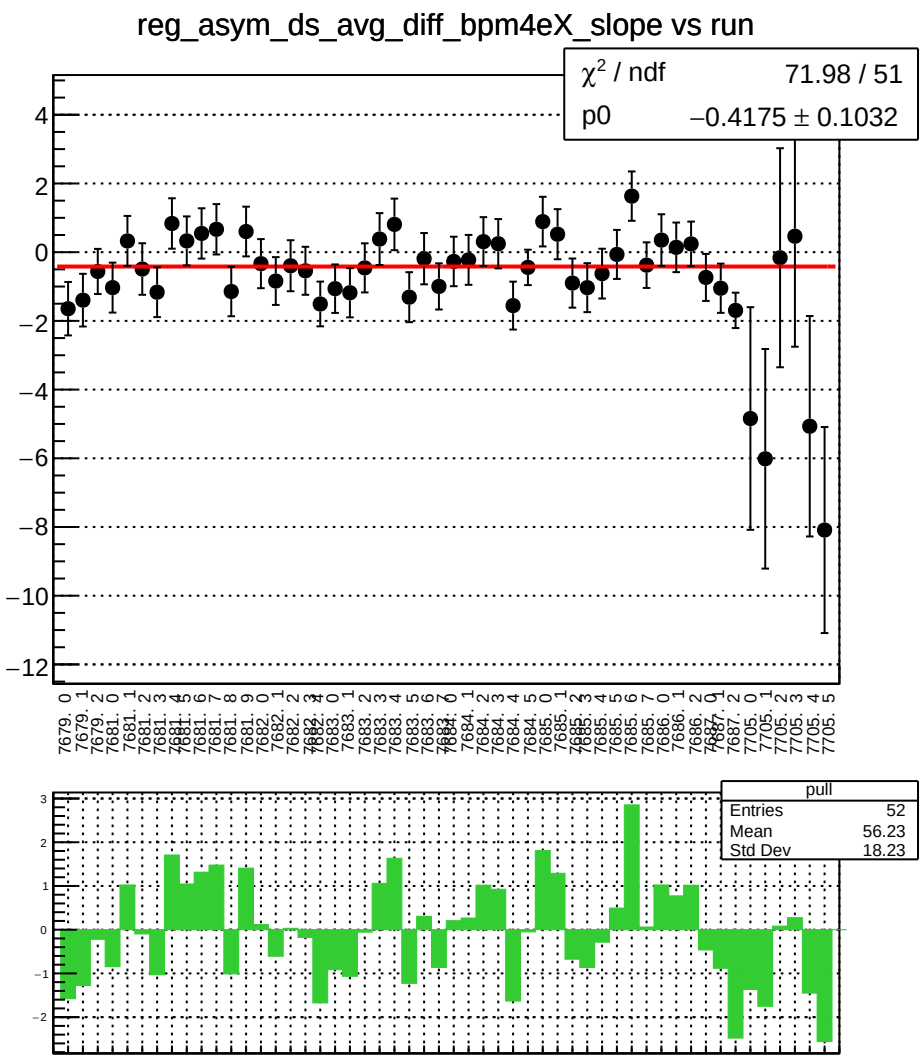

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 299.3 / 51
p0 11.2 ± 0.1375
pull
Entries 52
Mean −123.7
Std Dev 155.4
pull1D
Entries 52
Mean 0.1339
Std Dev 2.395

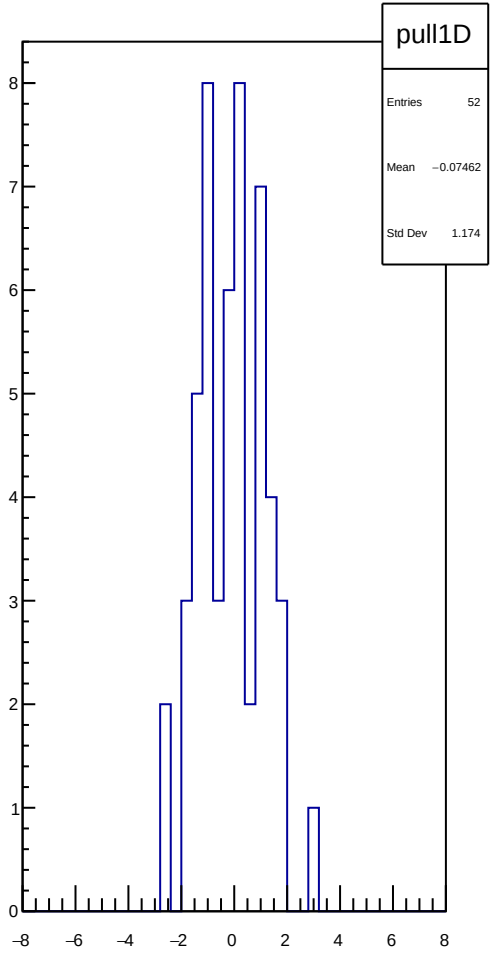

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 73.82 / 51
p0 0.4801± 0.1279
pull
Entries 52
Mean 52.86
Std Dev 25.76

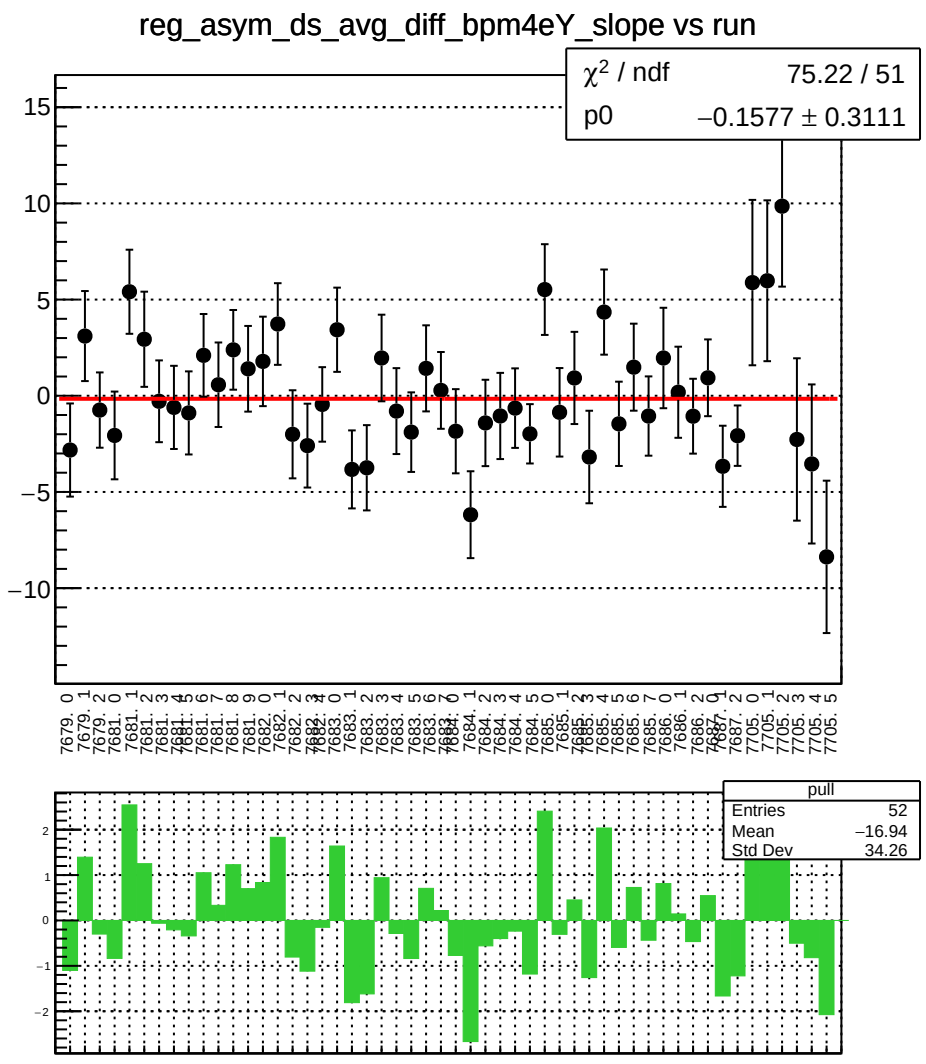

pull1D
Entries 52
Mean 0.07396
Std Dev 1.189

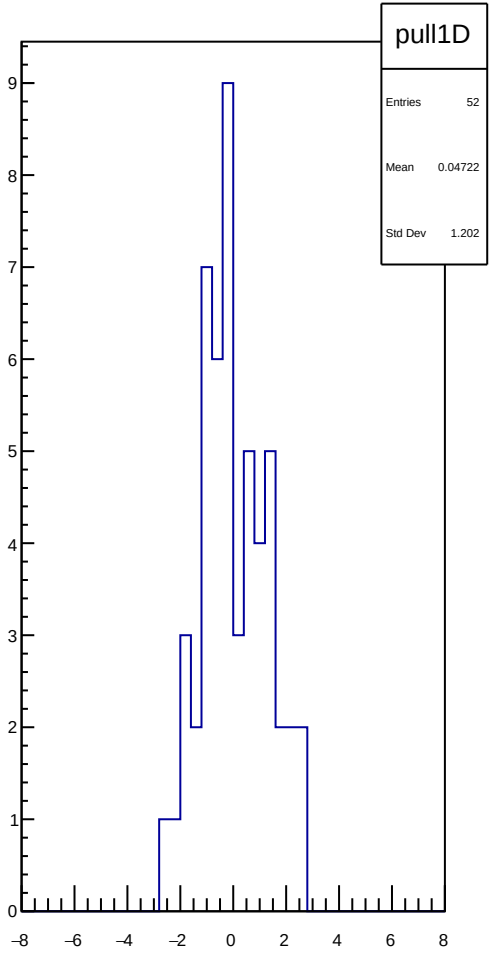

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.06 / 51
p0 0.06697 ± 0.2115
pull
Entries 52
Mean −20.29
Std Dev 38.93

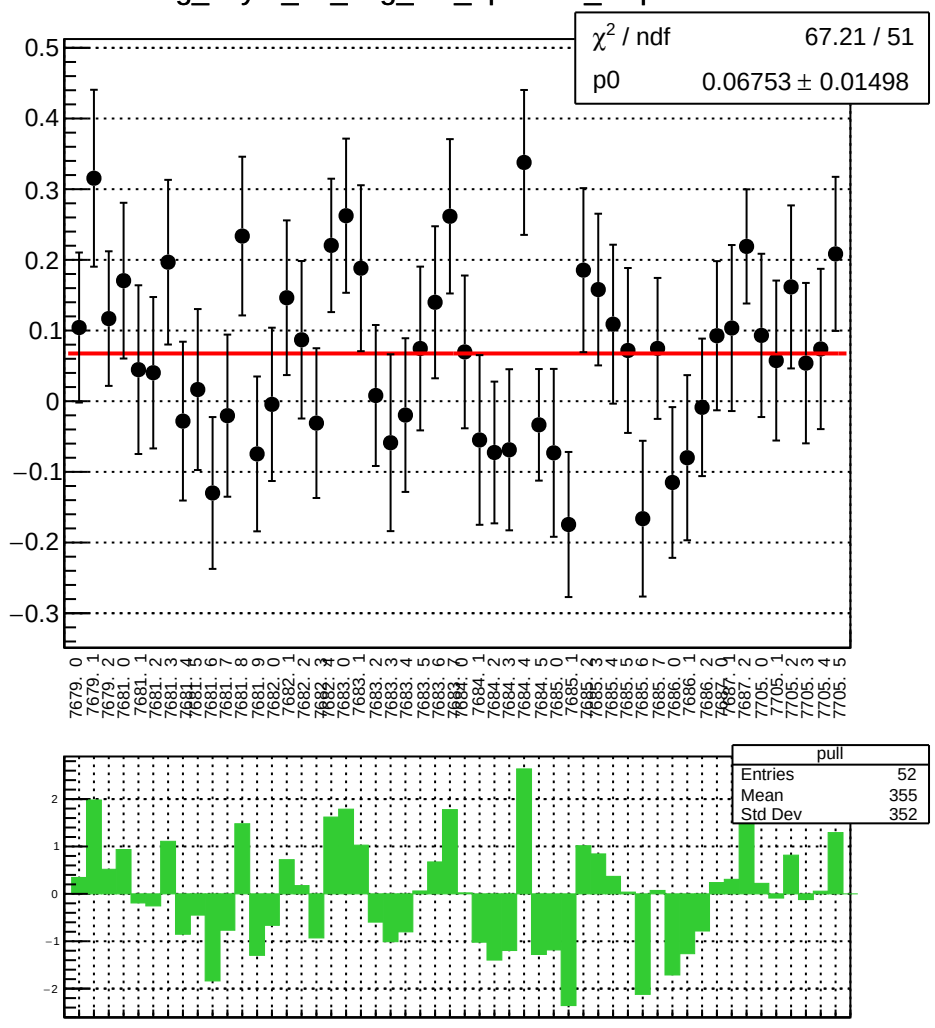

pull1D
Entries 52
Mean −0.05016
Std Dev 1.184

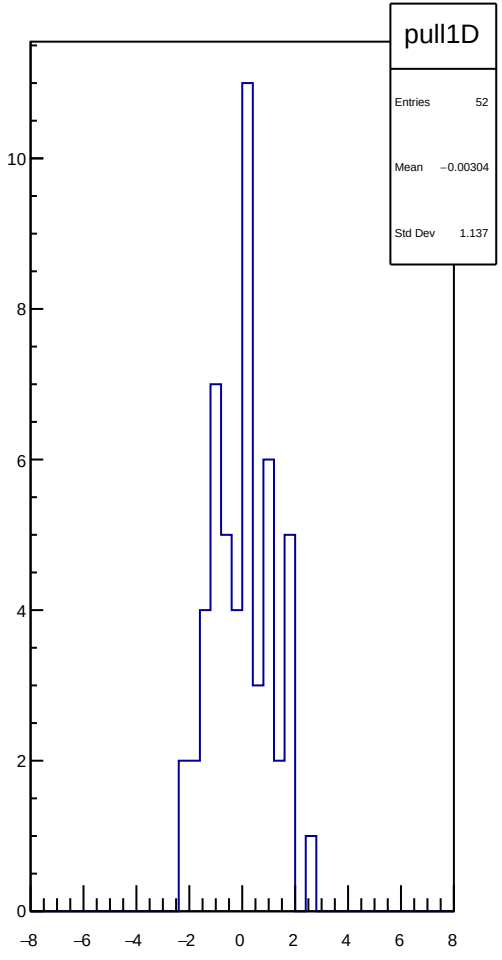

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.98 / 51
p0 −0.4175 ± 0.1032
pull
Entries 52
Mean 56.23
Std Dev 18.23

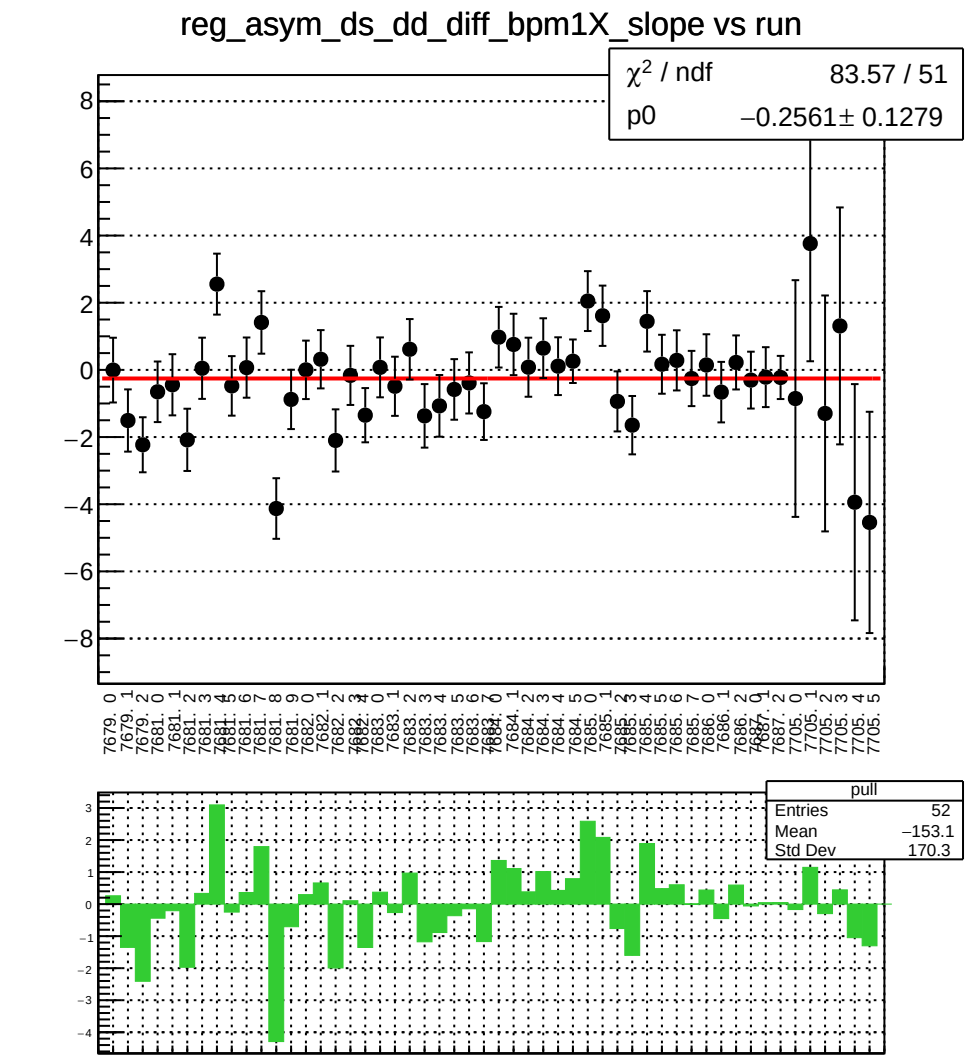

pull1D
Entries 52
Mean −0.07462
Std Dev 1.174

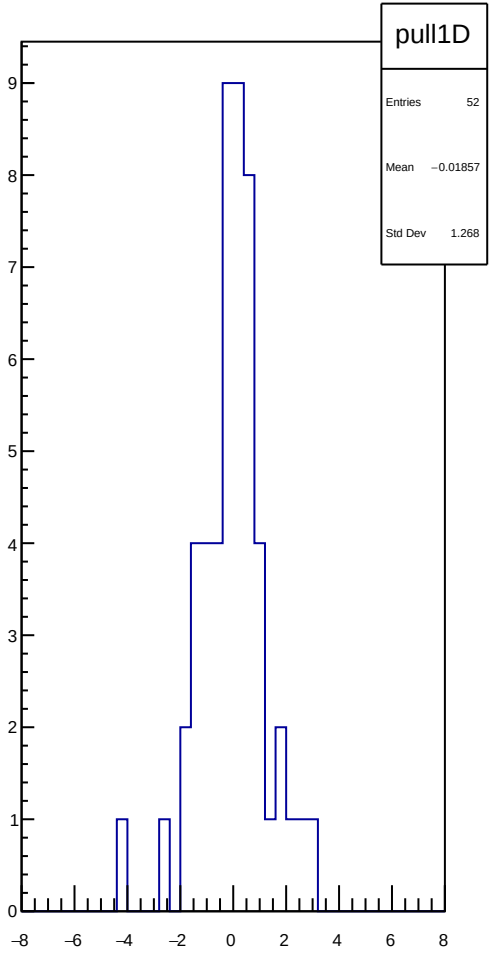

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 75.22 / 51
p0 −0.1577 ± 0.3111
pull
Entries 52
Mean −16.94
Std Dev 34.26

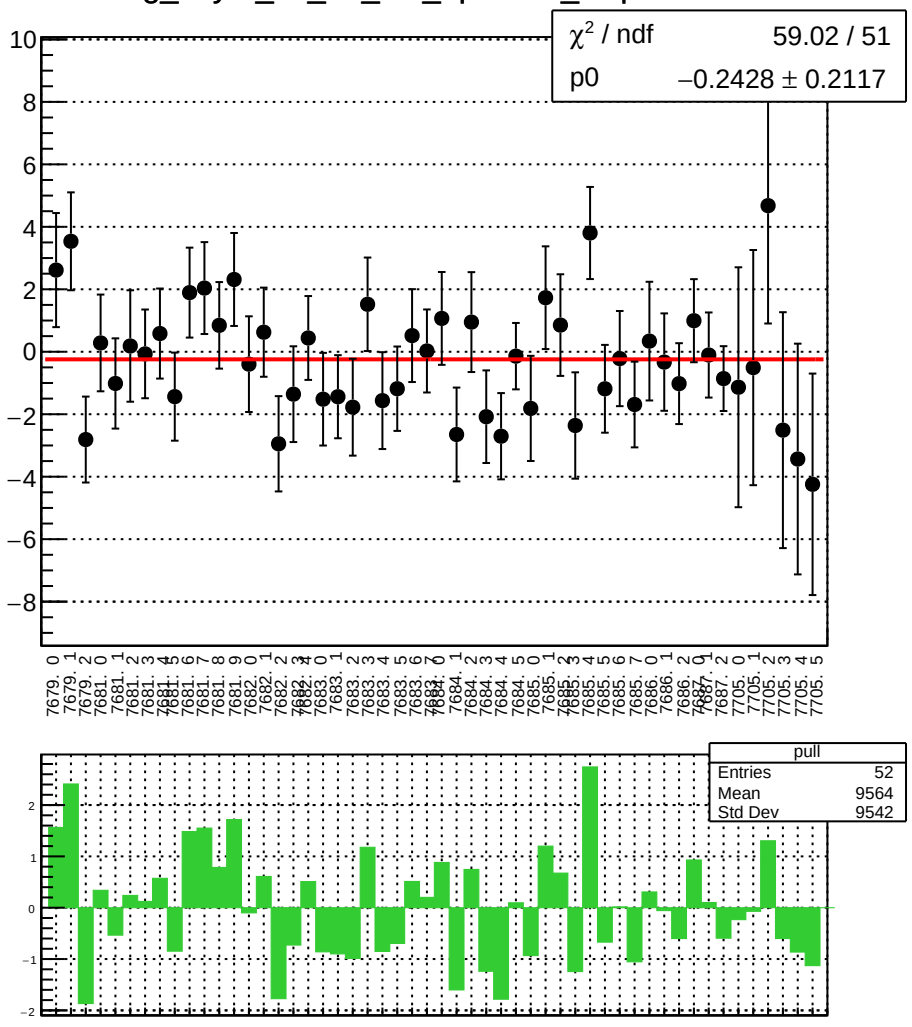

pull1D
Entries 52
Mean 0.04722
Std Dev 1.202

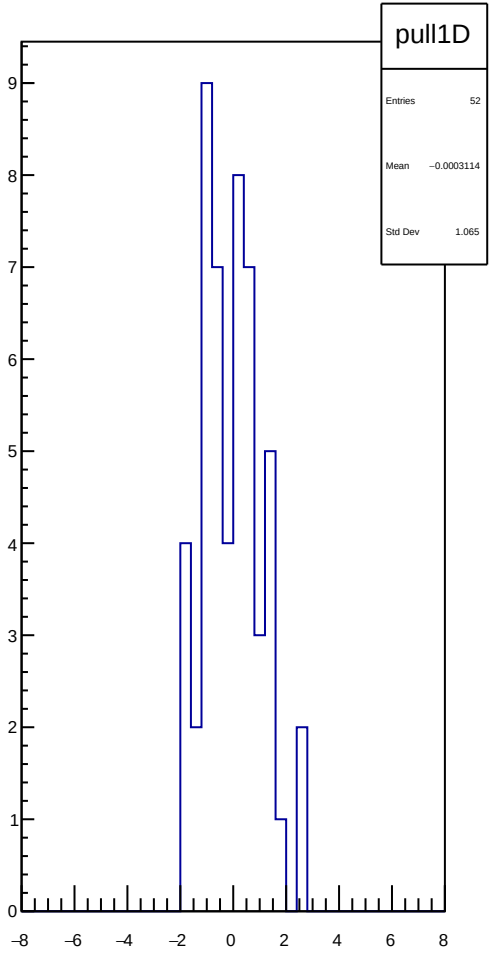

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 67.21 / 51
p0 0.06753 ± 0.01498
pull
Entries 52
Mean 355
Std Dev 352

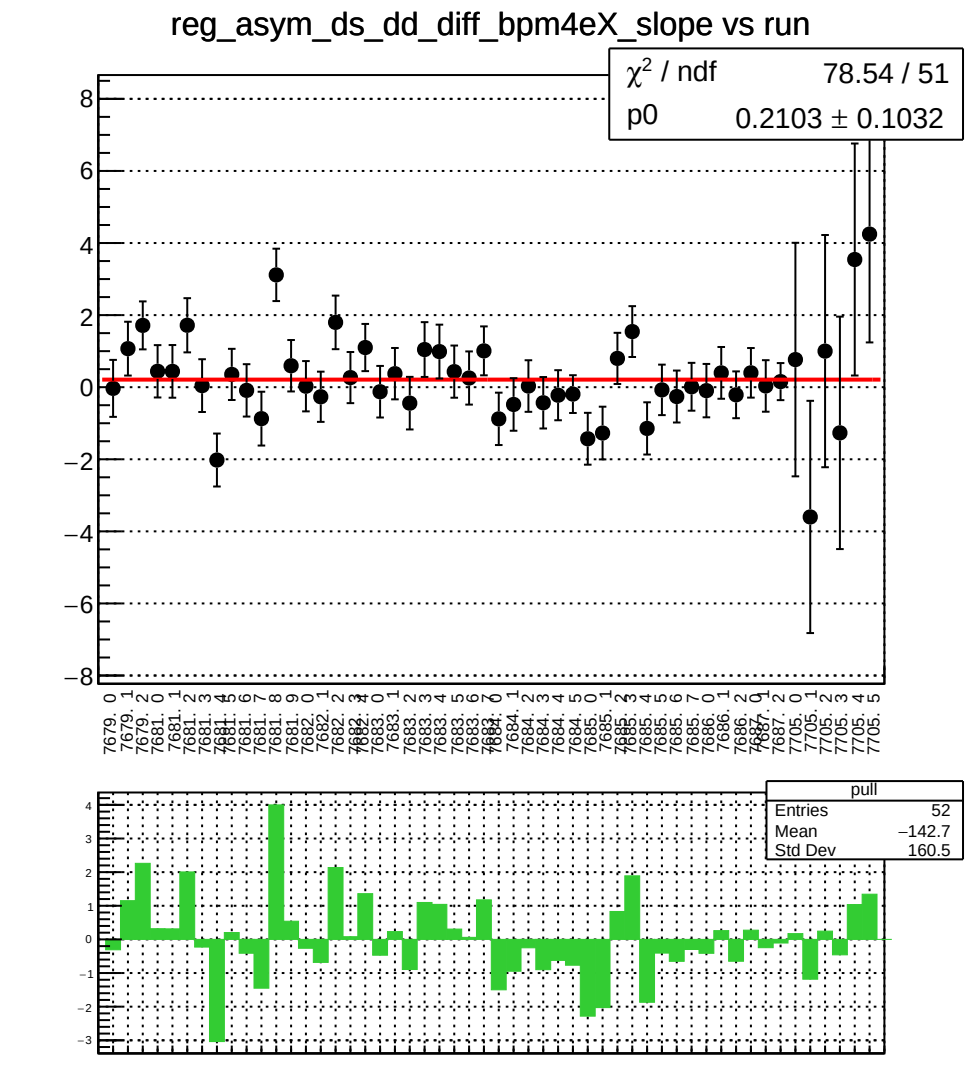

pull1D
Entries 52
Mean −0.00304
Std Dev 1.137

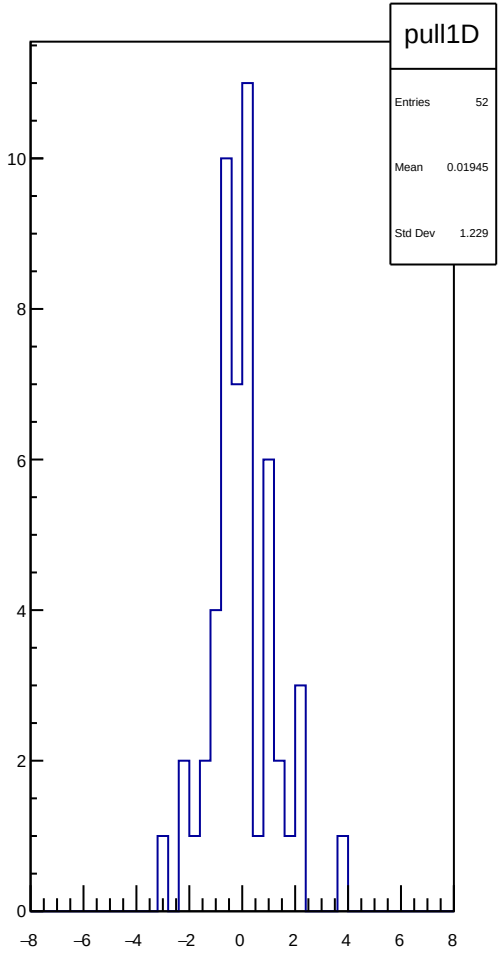

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 83.57 / 51
p0 −0.2561± 0.1279
pull
Entries 52
Mean −153.1
Std Dev 170.3

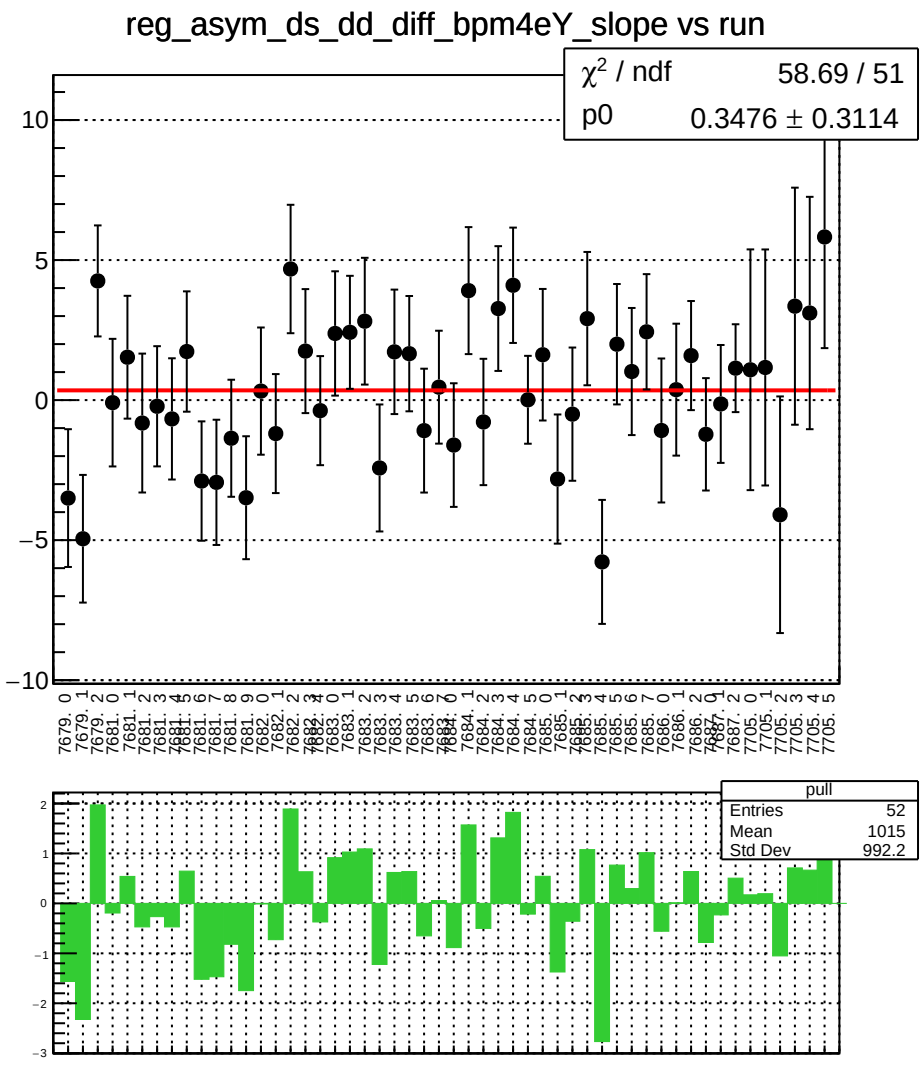

pull1D
Entries 52
Mean −0.01857
Std Dev 1.268

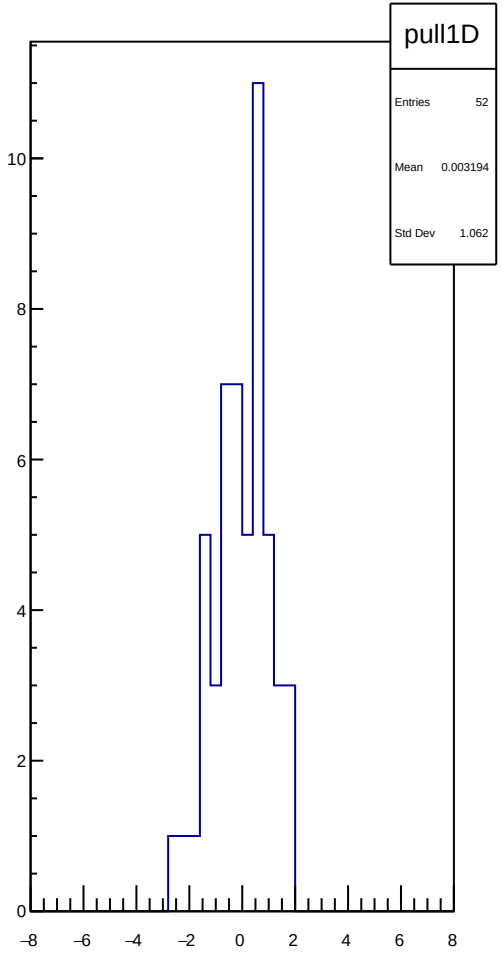

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.02 / 51
p0 −0.2428 ± 0.2117
pull
Entries 52
Mean 9564
Std Dev 9542

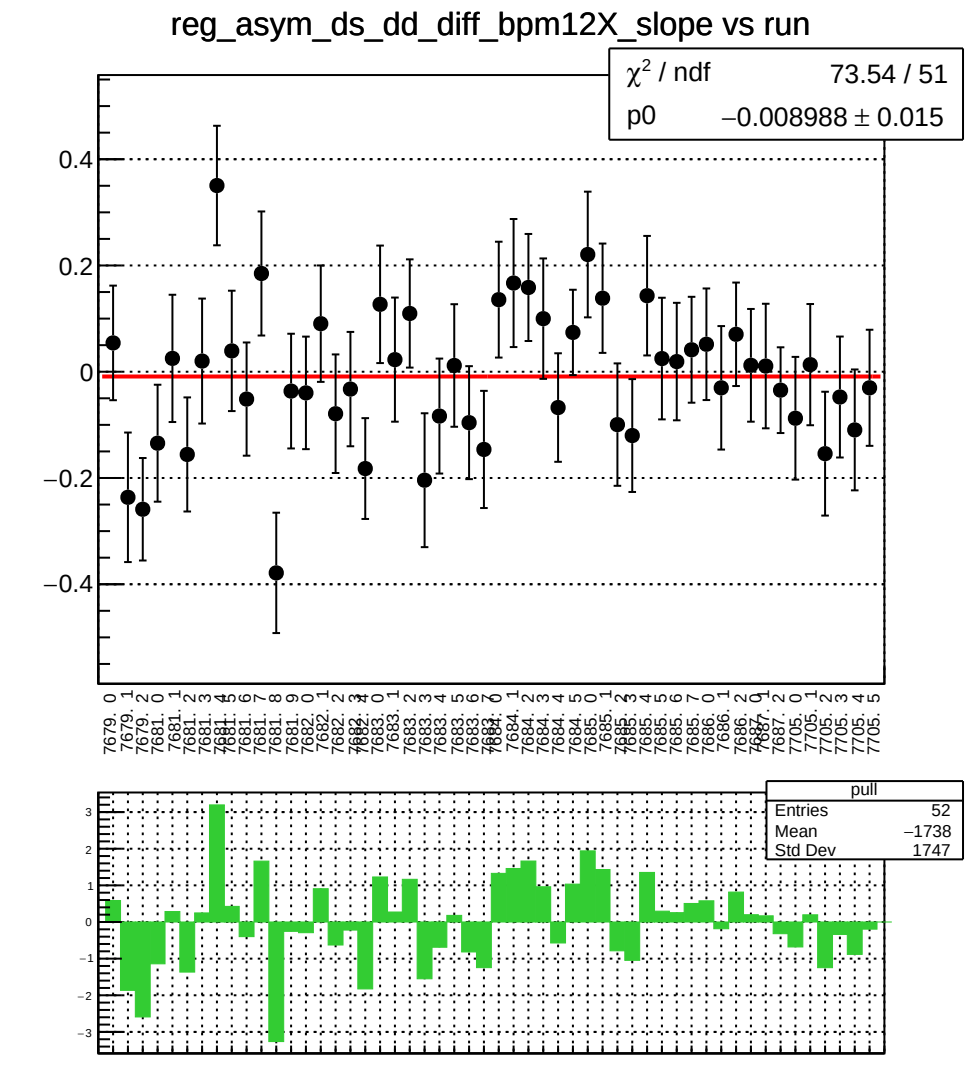

pull1D
Entries 52
Mean −0.0003114
Std Dev 1.065

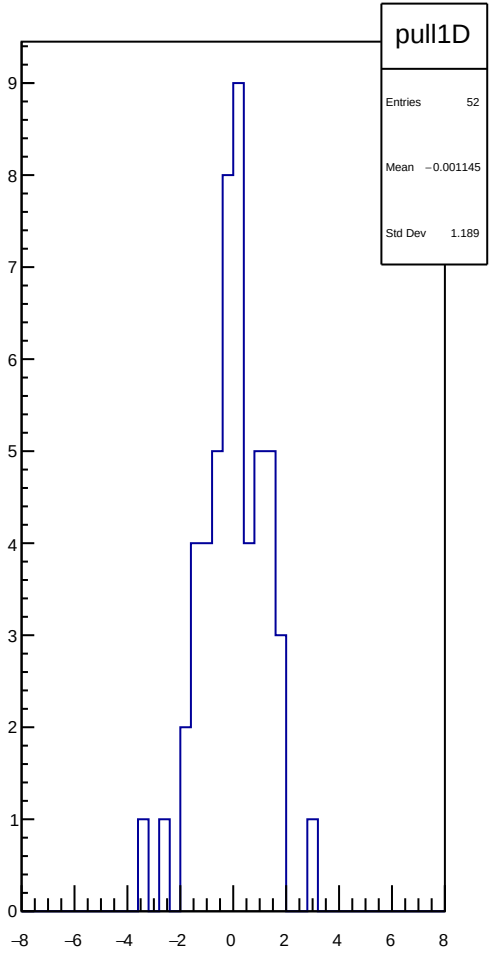

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 78.54 / 51
p0 0.2103 ± 0.1032
pull
Entries 52
Mean −142.7
Std Dev 160.5

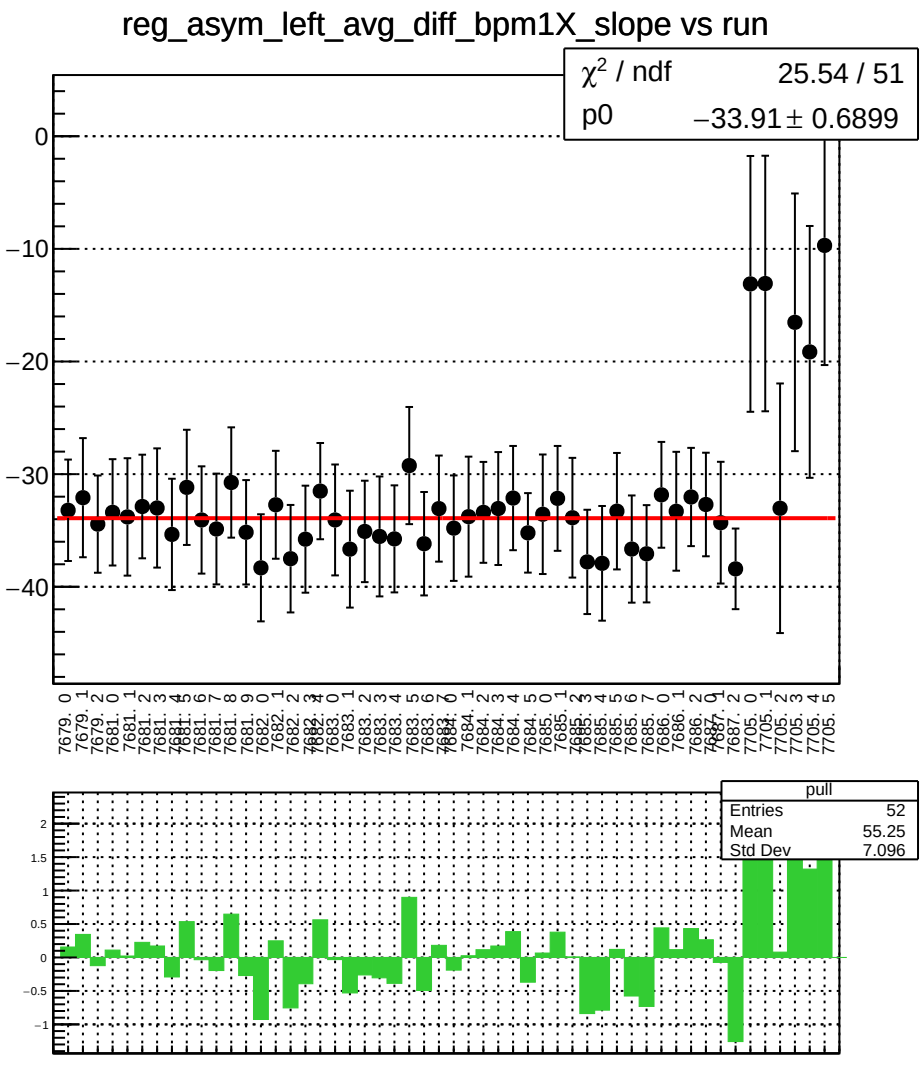

pull1D
Entries 52
Mean 0.01945
Std Dev 1.229

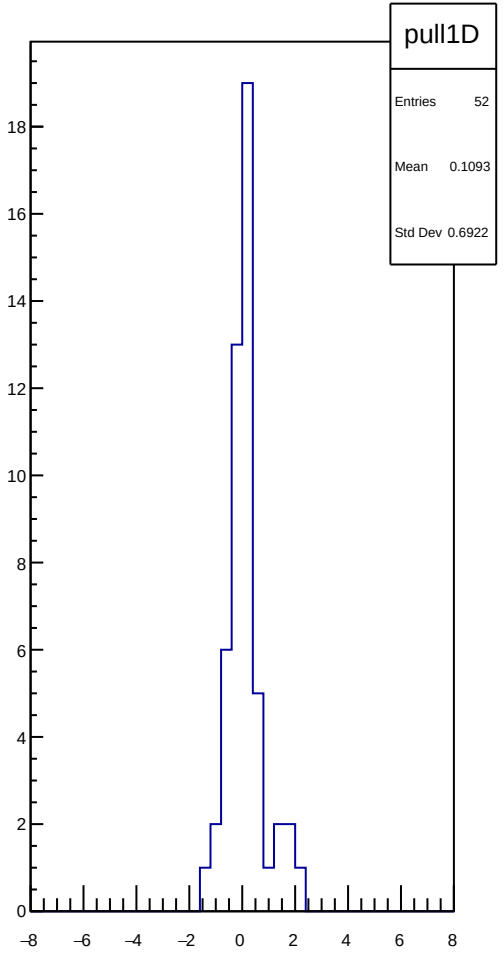

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.69 / 51
p0 0.3476 ± 0.3114
pull
Entries 52
Mean 1015
Std Dev 992.2

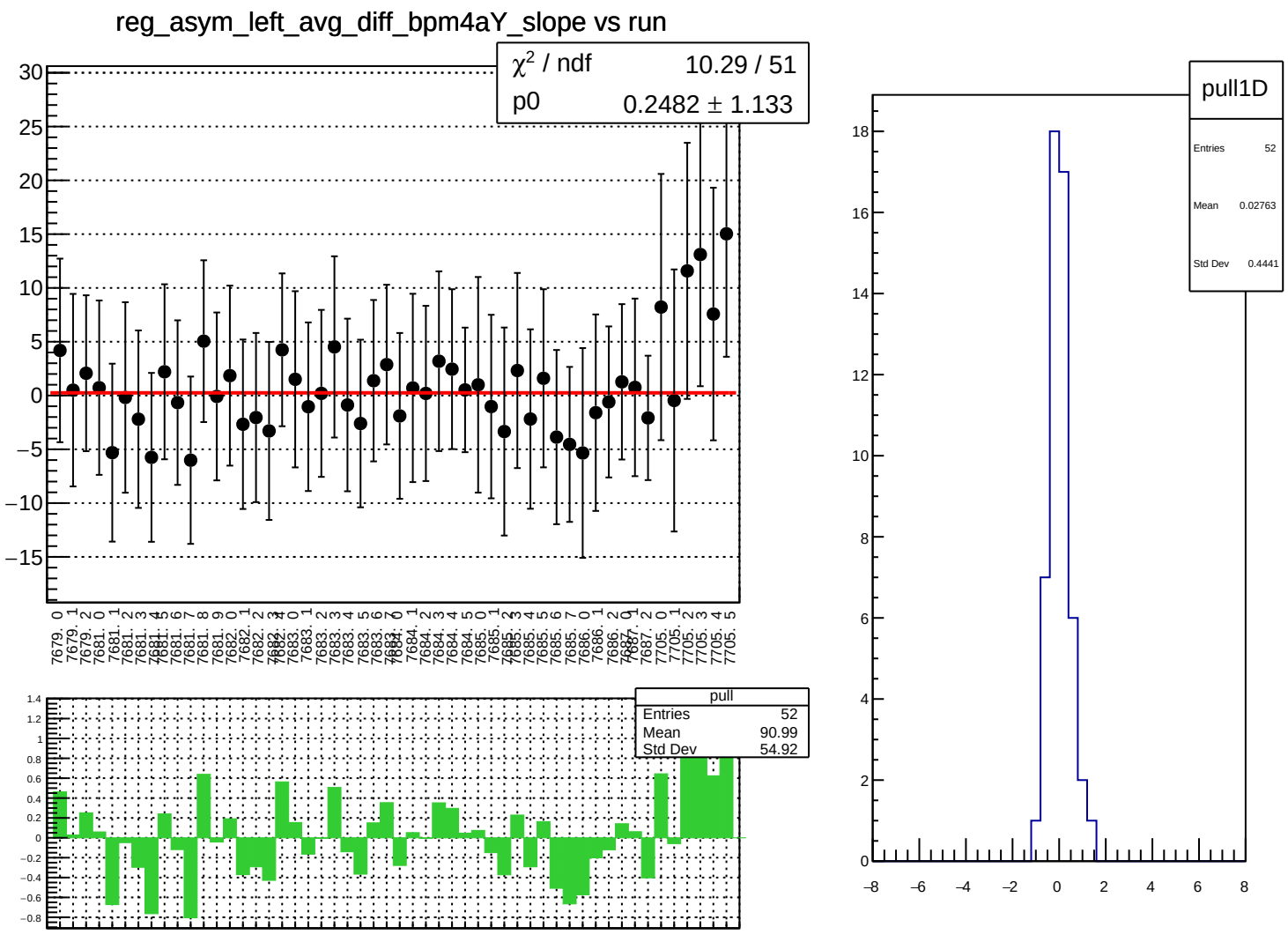

pull1D
Entries 52
Mean 0.003194
Std Dev 1.062

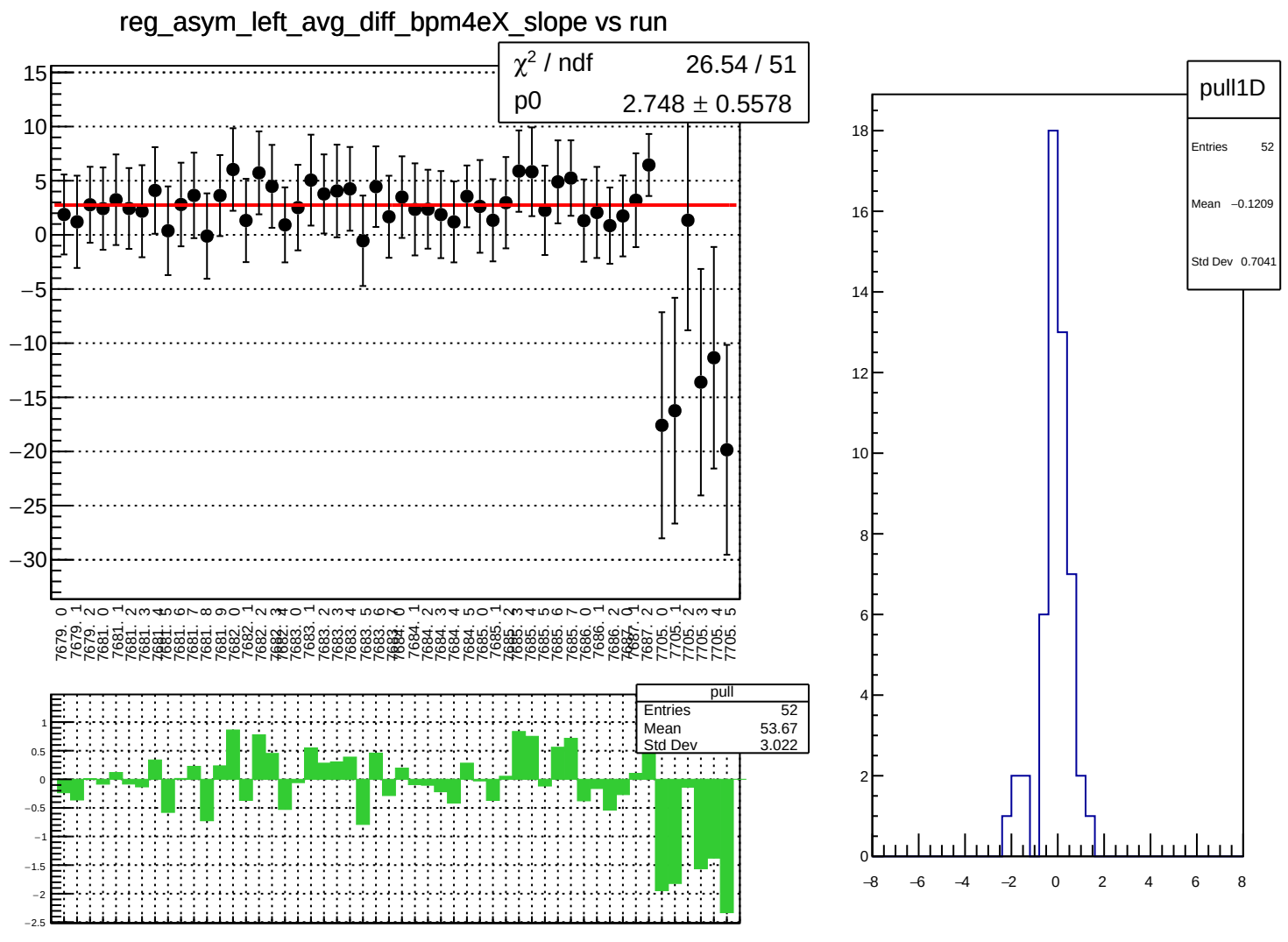

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 73.54 / 51
p0 −0.008988 ± 0.015
pull
Entries 52
Mean −1738
Std Dev 1747

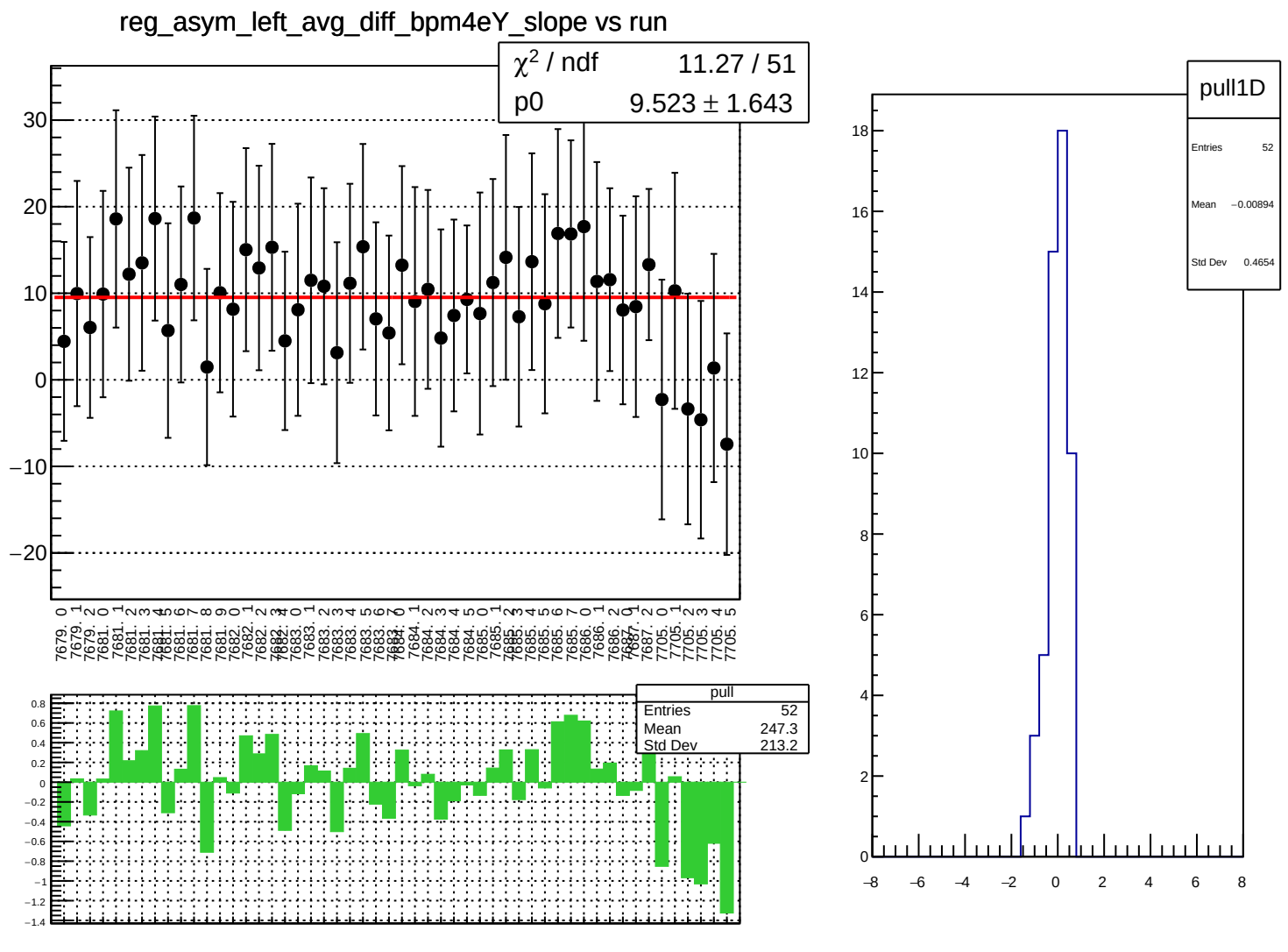

pull1D
Entries 52
Mean −0.001145
Std Dev 1.189

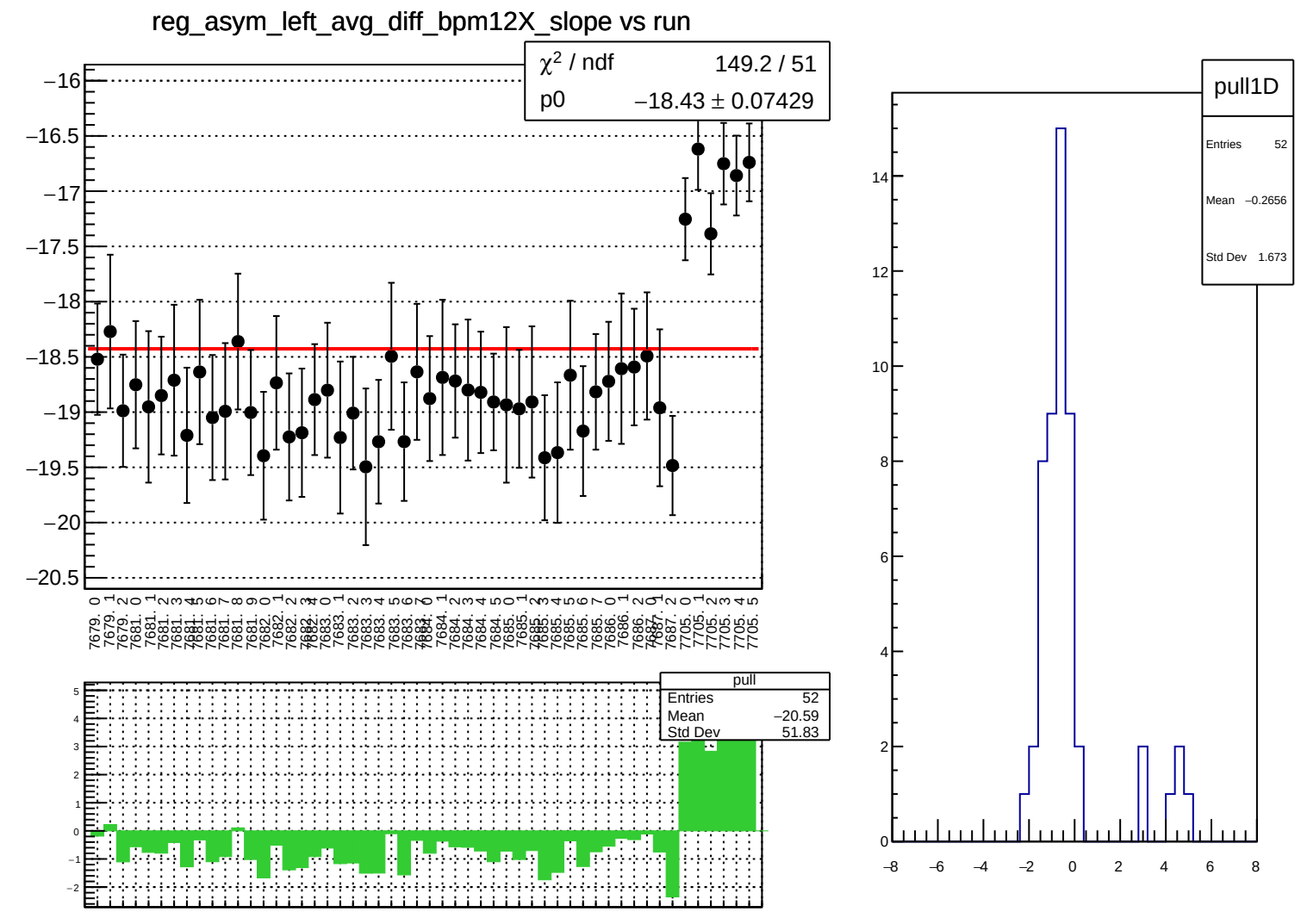

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 25.54 / 51
p0 −33.91 ± 0.6899
pull
Entries 52
Mean 55.25
Std Dev 7.096

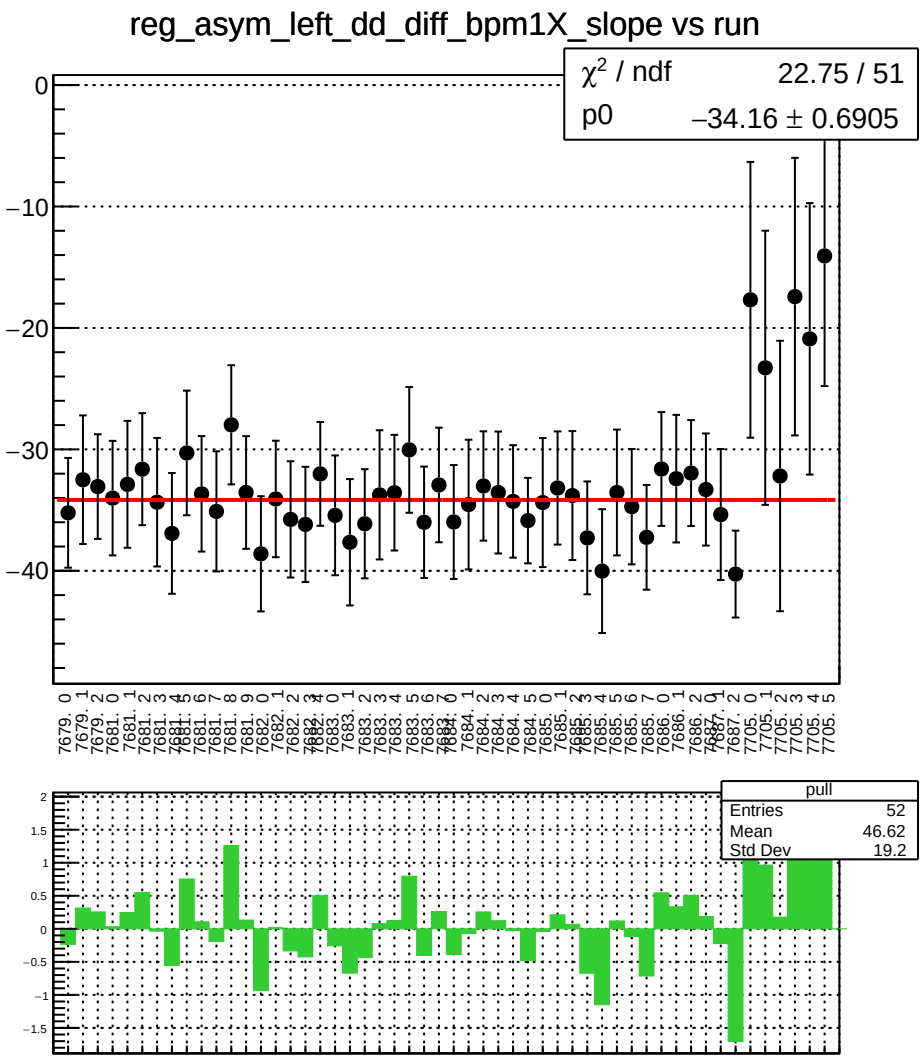

pull1D
Entries 52
Mean 0.1093
Std Dev 0.6922

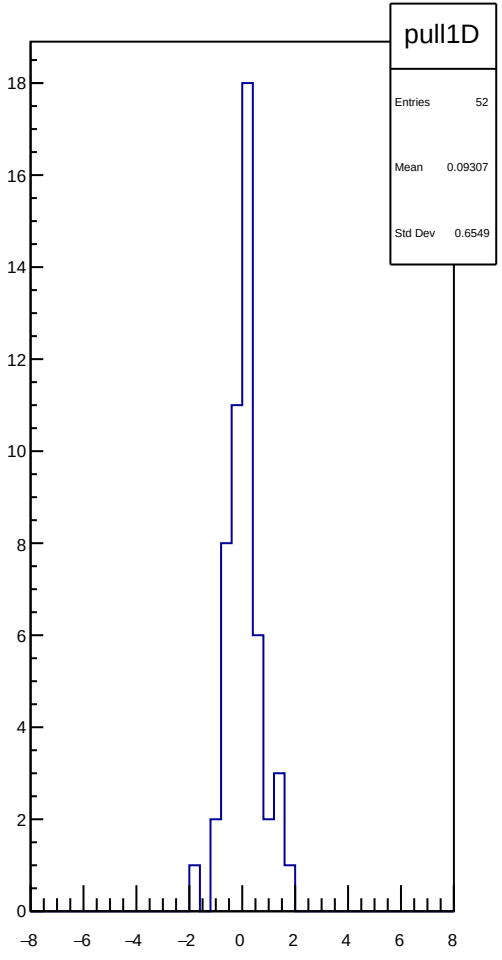

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.29 / 51
p0 0.2482 ± 1.133
pull
Entries 52
Mean 90.99
Std Dev 54.92
pull1D
Entries 52
Mean 0.02763
Std Dev 0.4441

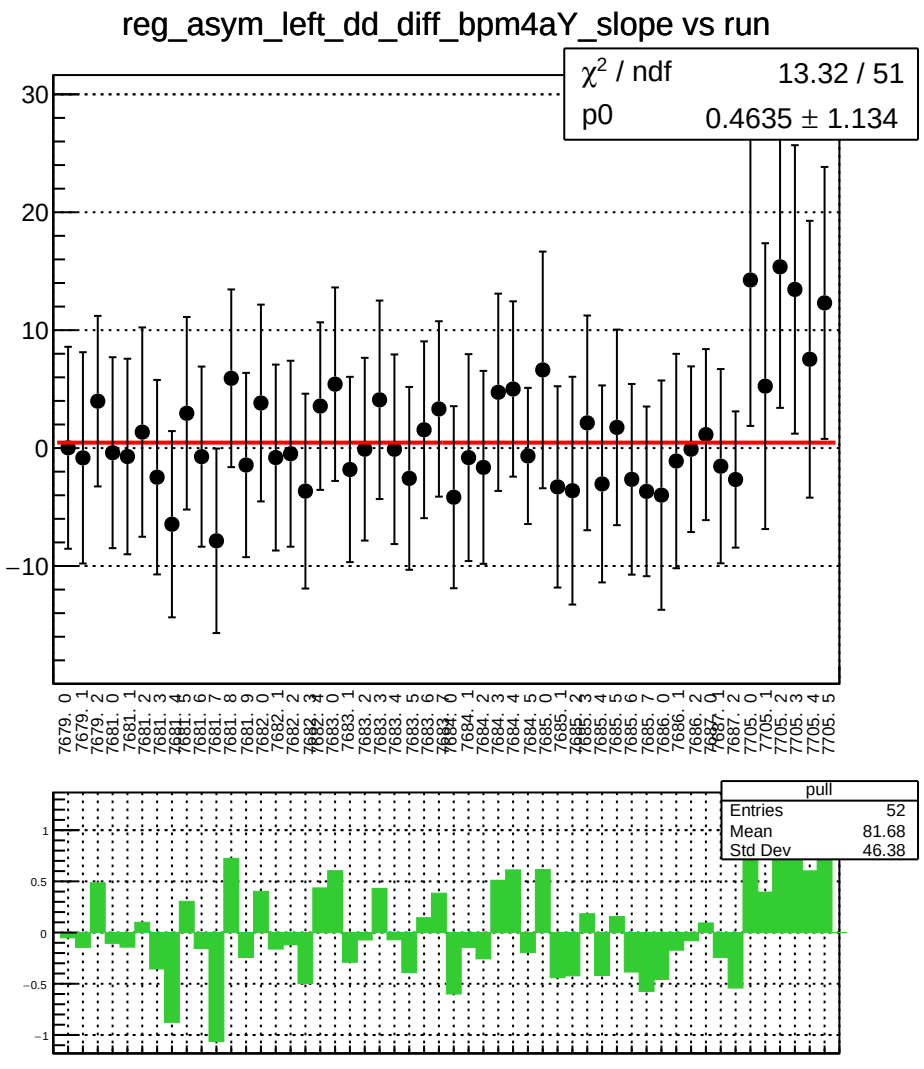

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.54 / 51
p0 2.748 ± 0.5578
pull
Entries 52
Mean 53.67
Std Dev 3.022
pull1D
Entries 52
Mean −0.1209
Std Dev 0.7041

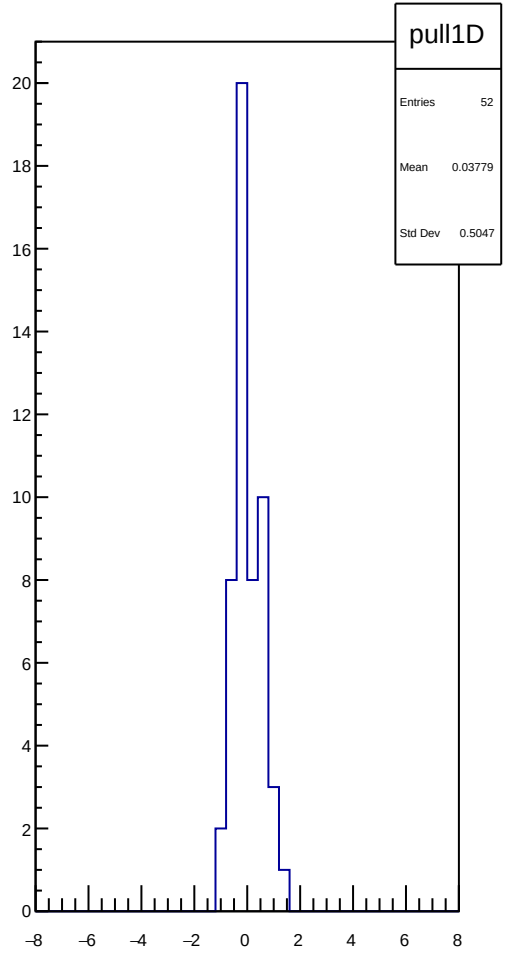

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.27 / 51
p0 9.523 ± 1.643
pull
Entries 52
Mean 247.3
Std Dev 213.2
pull1D
Entries 52
Mean −0.00894
Std Dev 0.4654

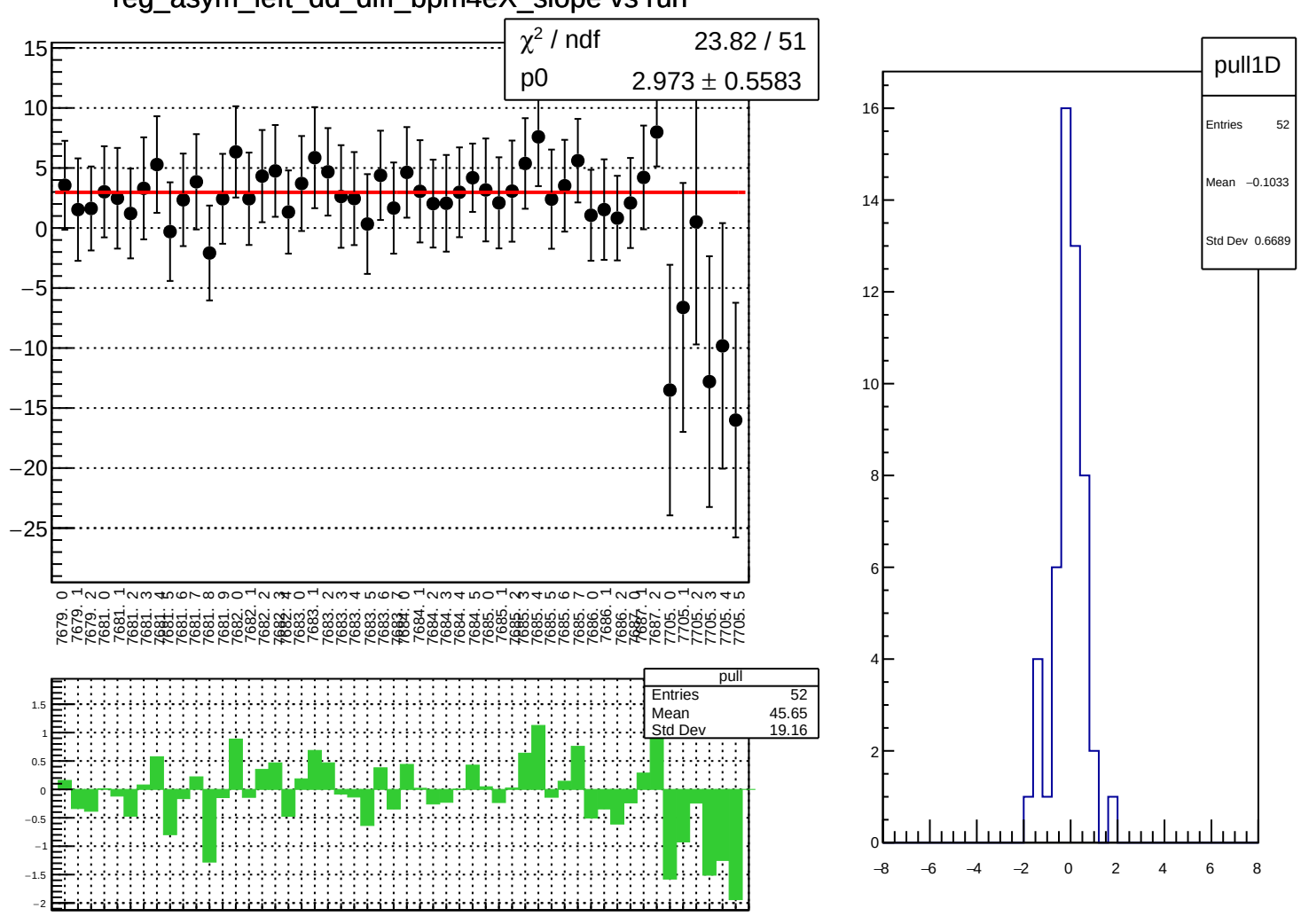

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 149.2 / 51
p0 −18.43 ± 0.07429
pull
Entries 52
Mean −20.59
Std Dev 51.83
pull1D
Entries 52
Mean −0.2656
Std Dev 1.673

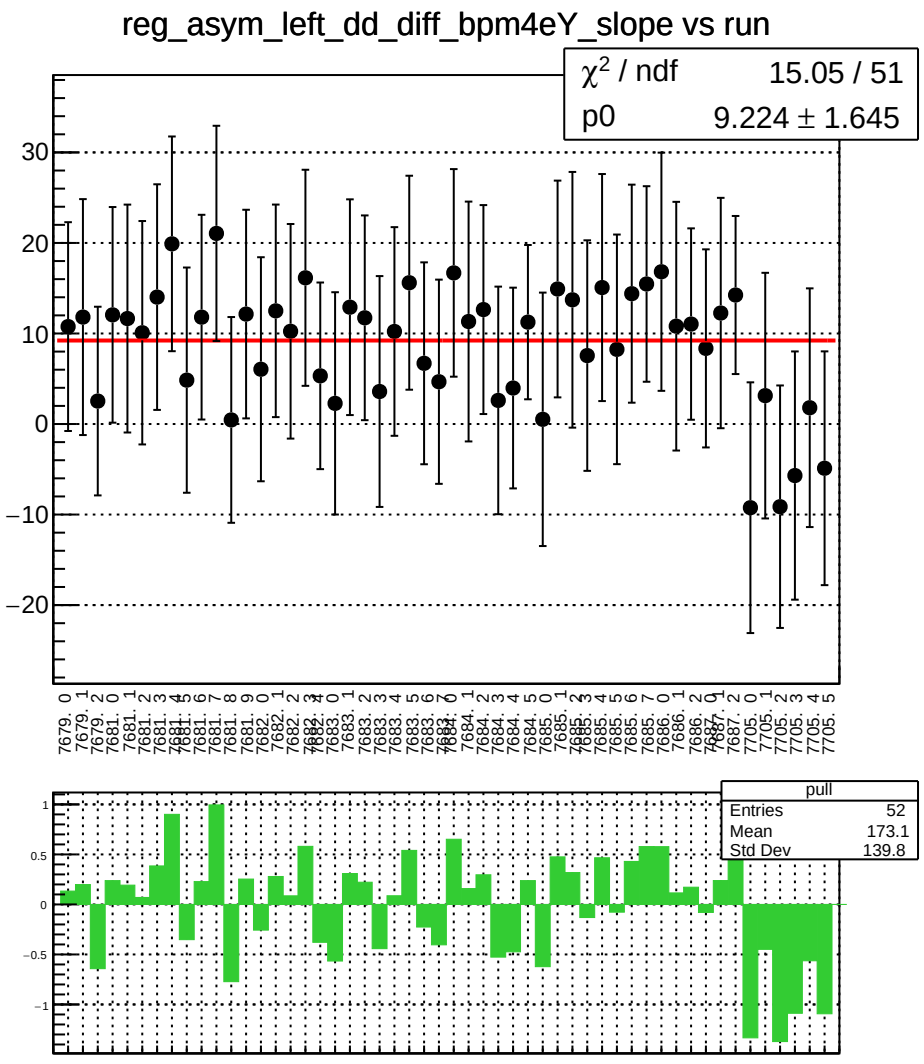

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 22.75 / 51
p0 −34.16 ± 0.6905
pull
Entries 52
Mean 46.62
Std Dev 19.2

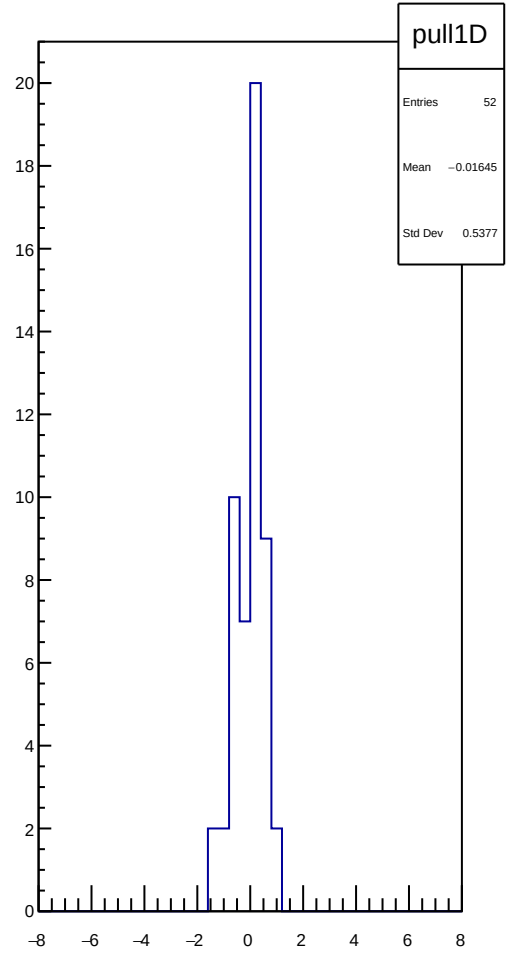

pull1D
Entries 52
Mean 0.09307
Std Dev 0.6549

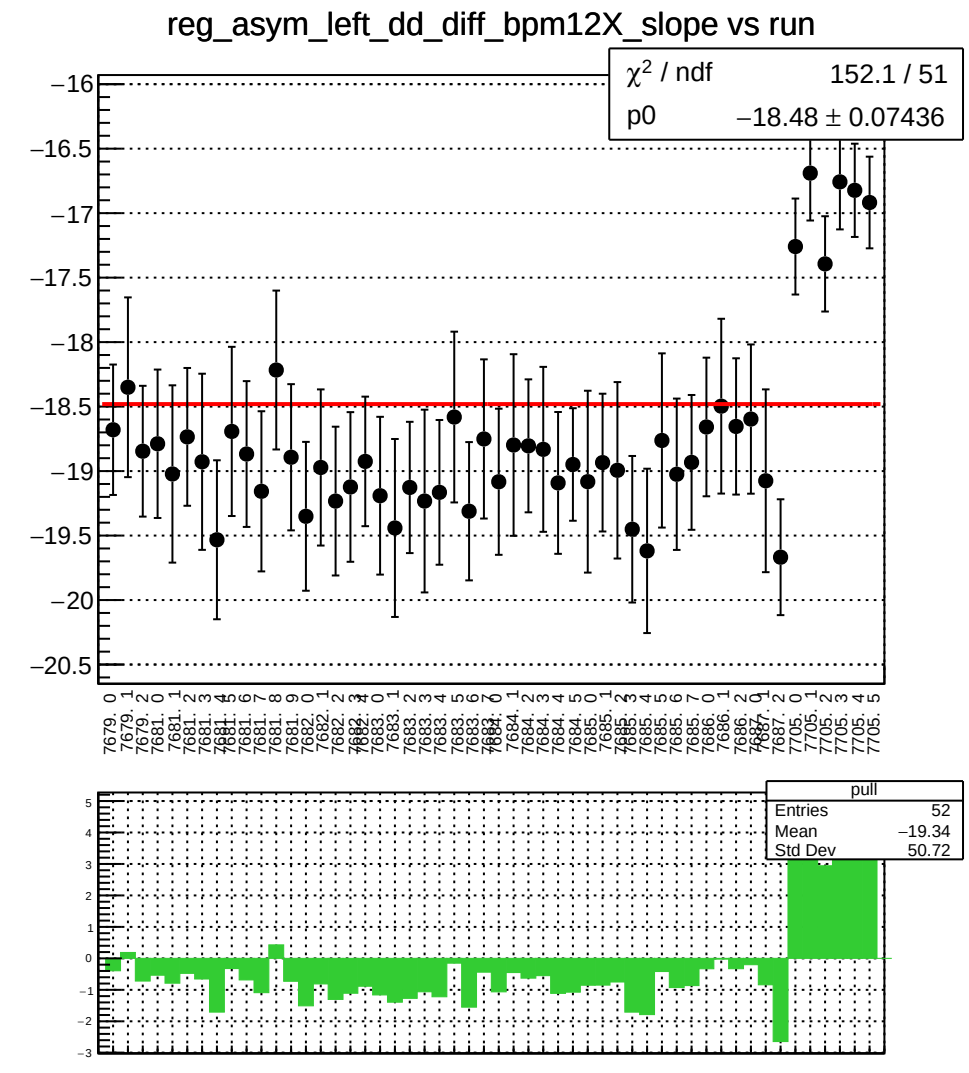

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 51
p0 0.4635 ± 1.134
pull
Entries 52
Mean 81.68
Std Dev 46.38

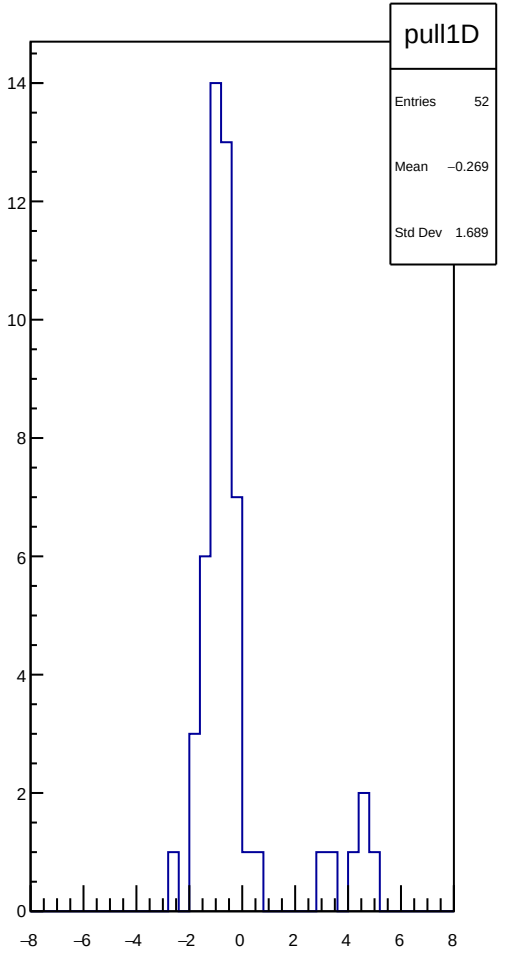

pull1D
Entries 52
Mean 0.03779
Std Dev 0.5047

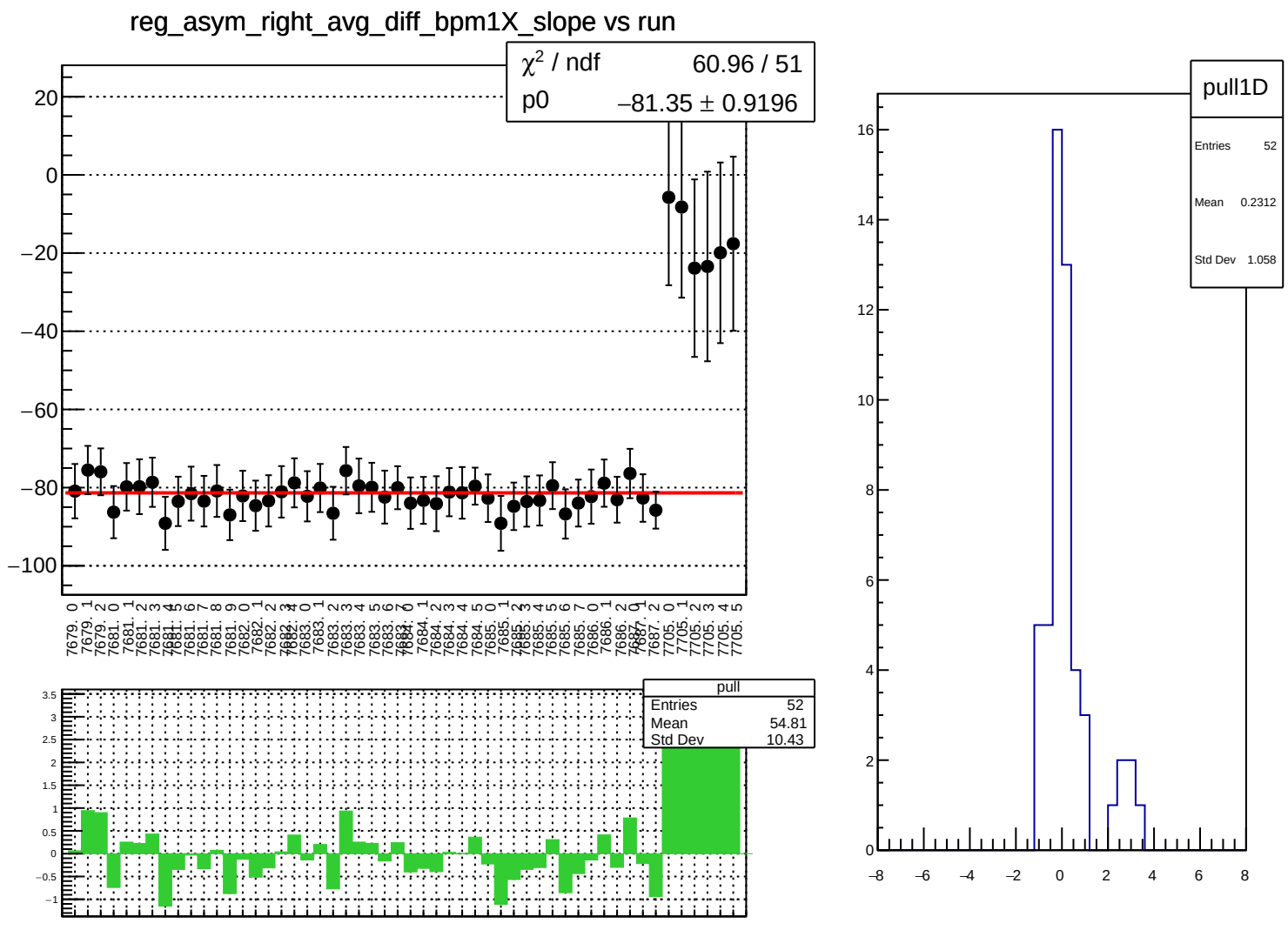

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.82 / 51
p0 2.973 ± 0.5583
pull
Entries 52
Mean 45.65
Std Dev 19.16
pull1D
Entries 52
Mean −0.1033
Std Dev 0.6689

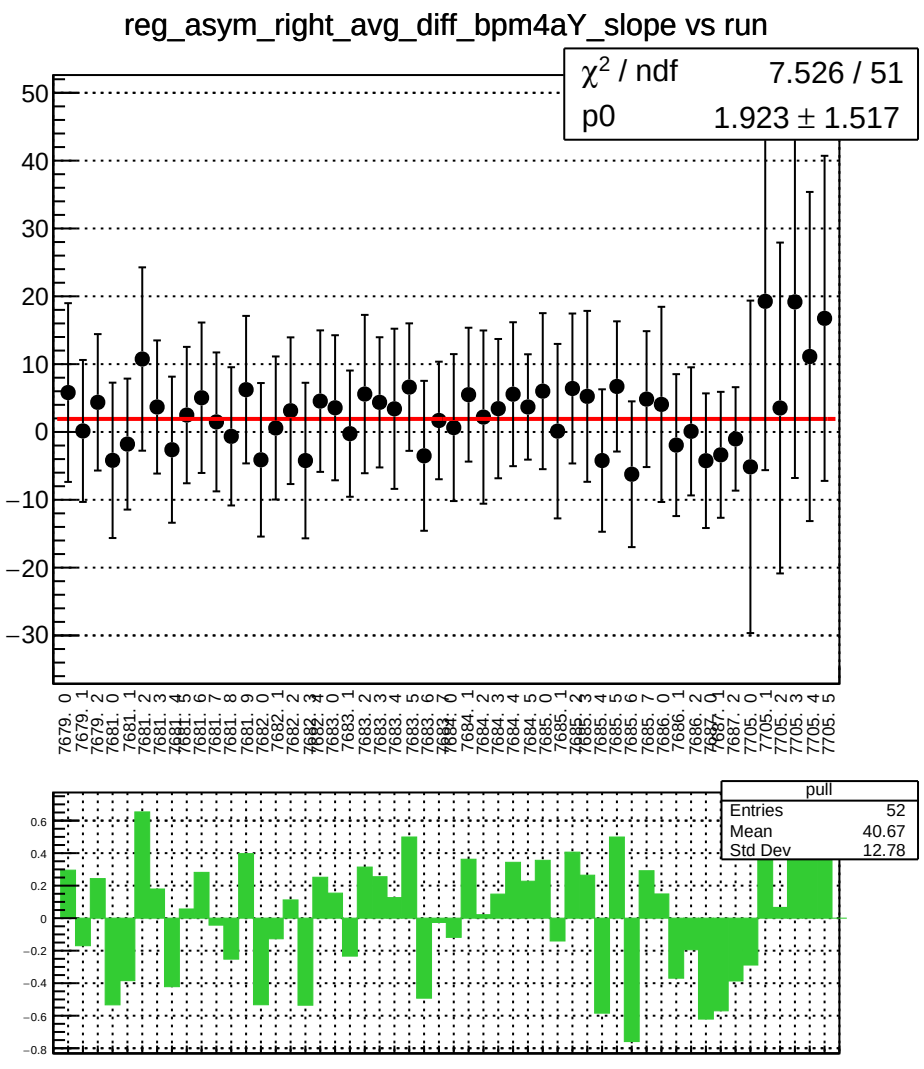

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.05 / 51
p0 9.224 ± 1.645
pull
Entries 52
Mean 173.1
Std Dev 139.8

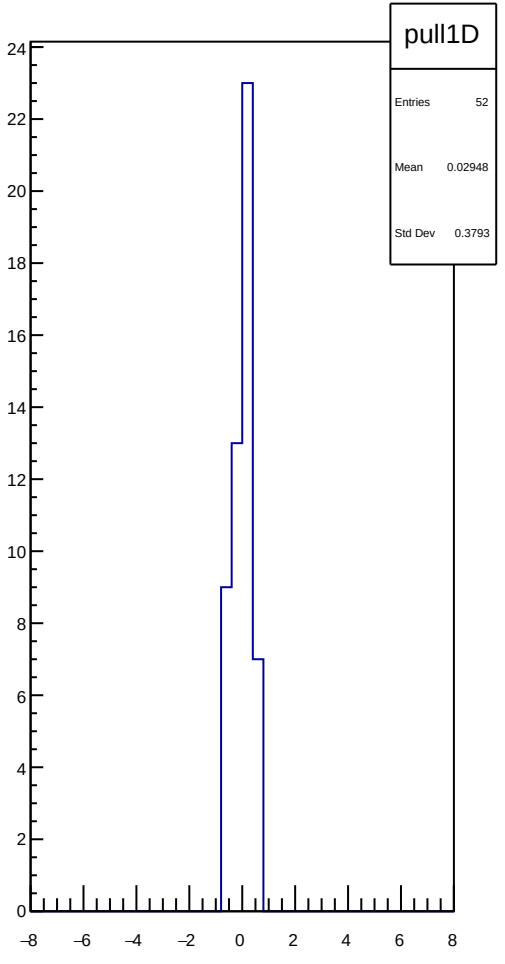

pull1D
Entries 52
Mean −0.01645
Std Dev 0.5377

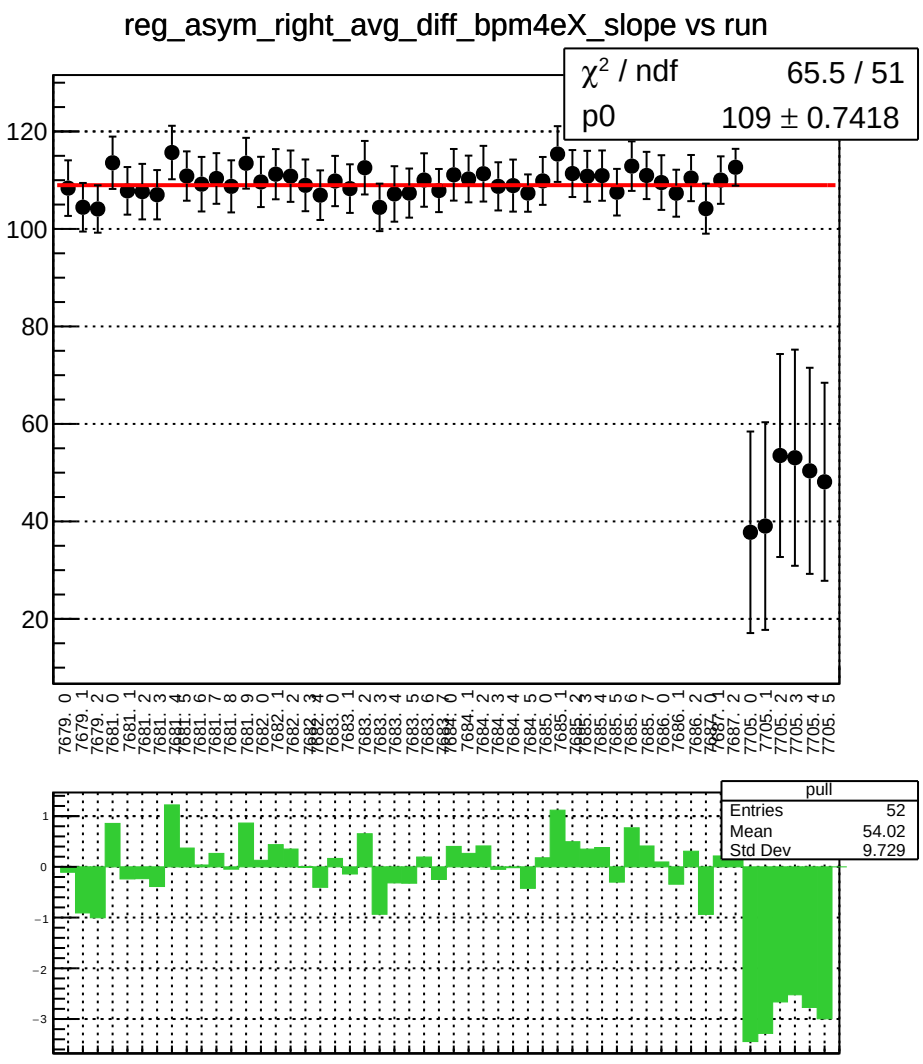

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 152.1 / 51
p0 −18.48 ± 0.07436
pull
Entries 52
Mean −19.34
Std Dev 50.72

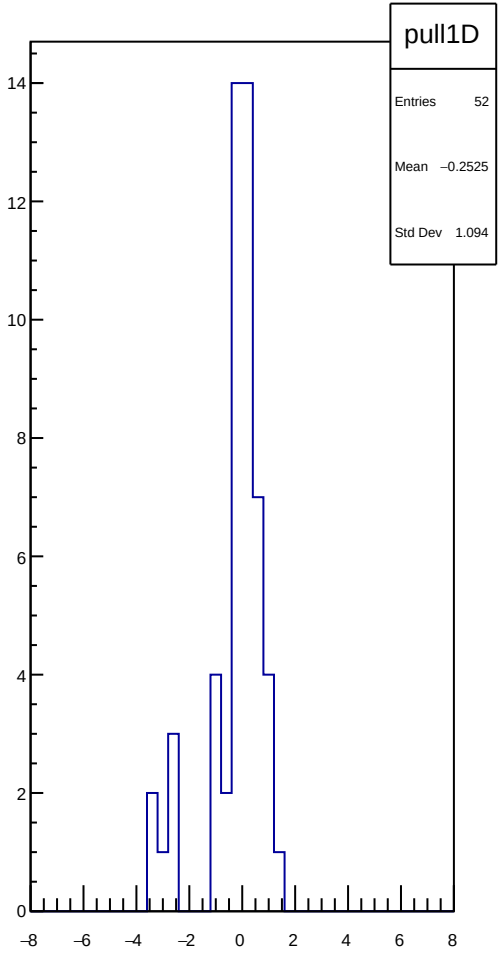

pull1D
Entries 52
Mean −0.269
Std Dev 1.689

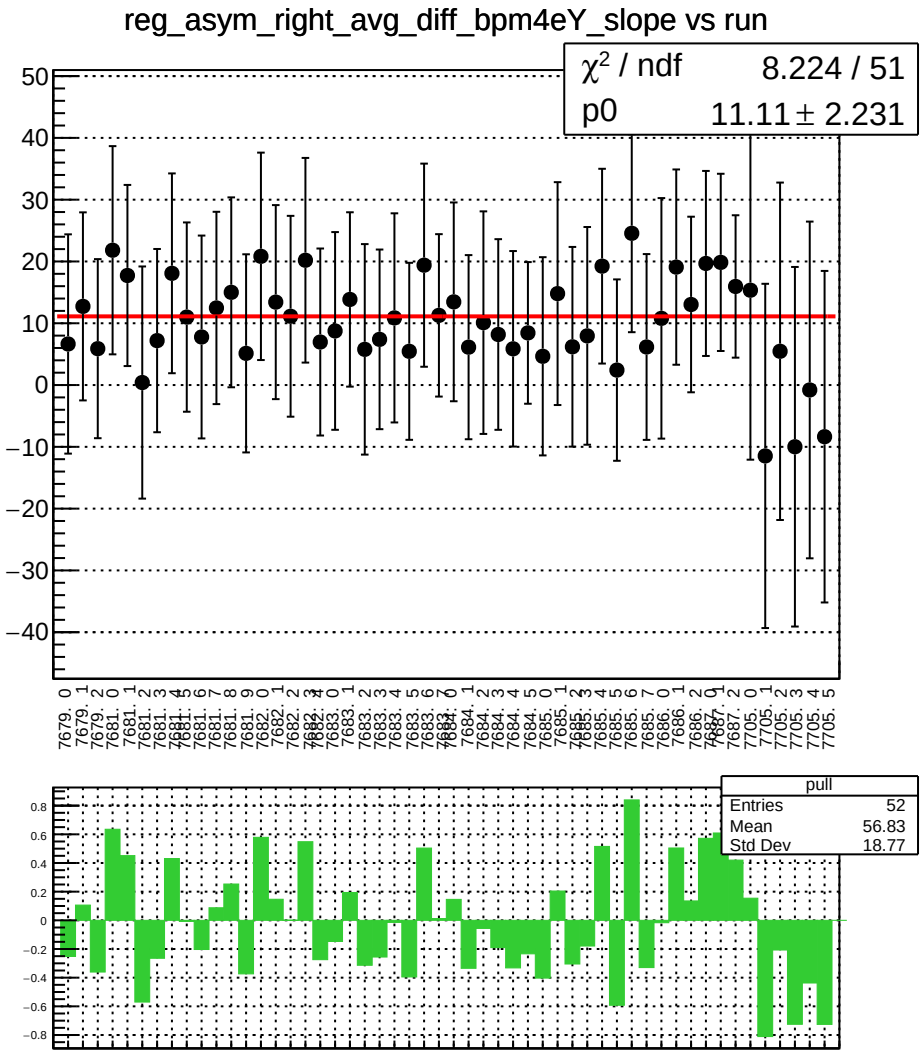

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 60.96 / 51
p0 −81.35 ± 0.9196
pull
Entries 52
Mean 54.81
Std Dev 10.43
pull1D
Entries 52
Mean 0.2312
Std Dev 1.058

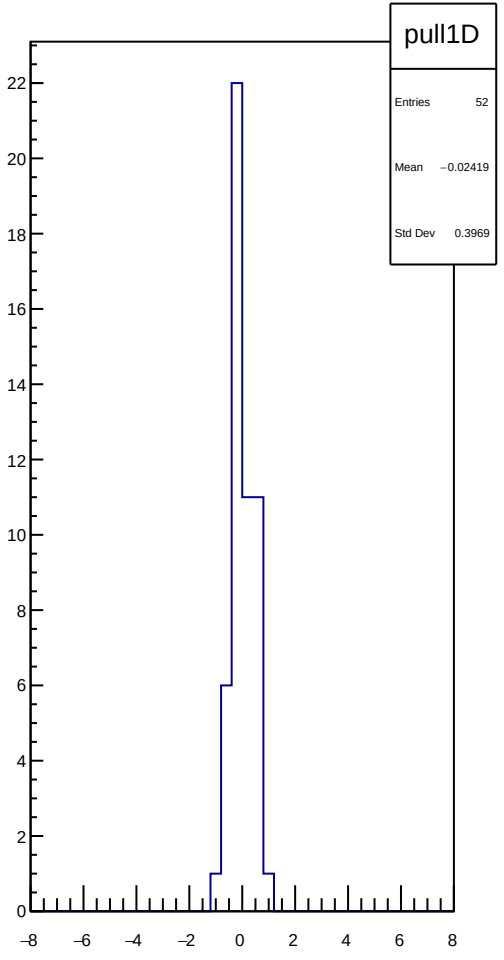

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.526 / 51
p0 1.923 ± 1.517
pull
Entries 52
Mean 40.67
Std Dev 12.78

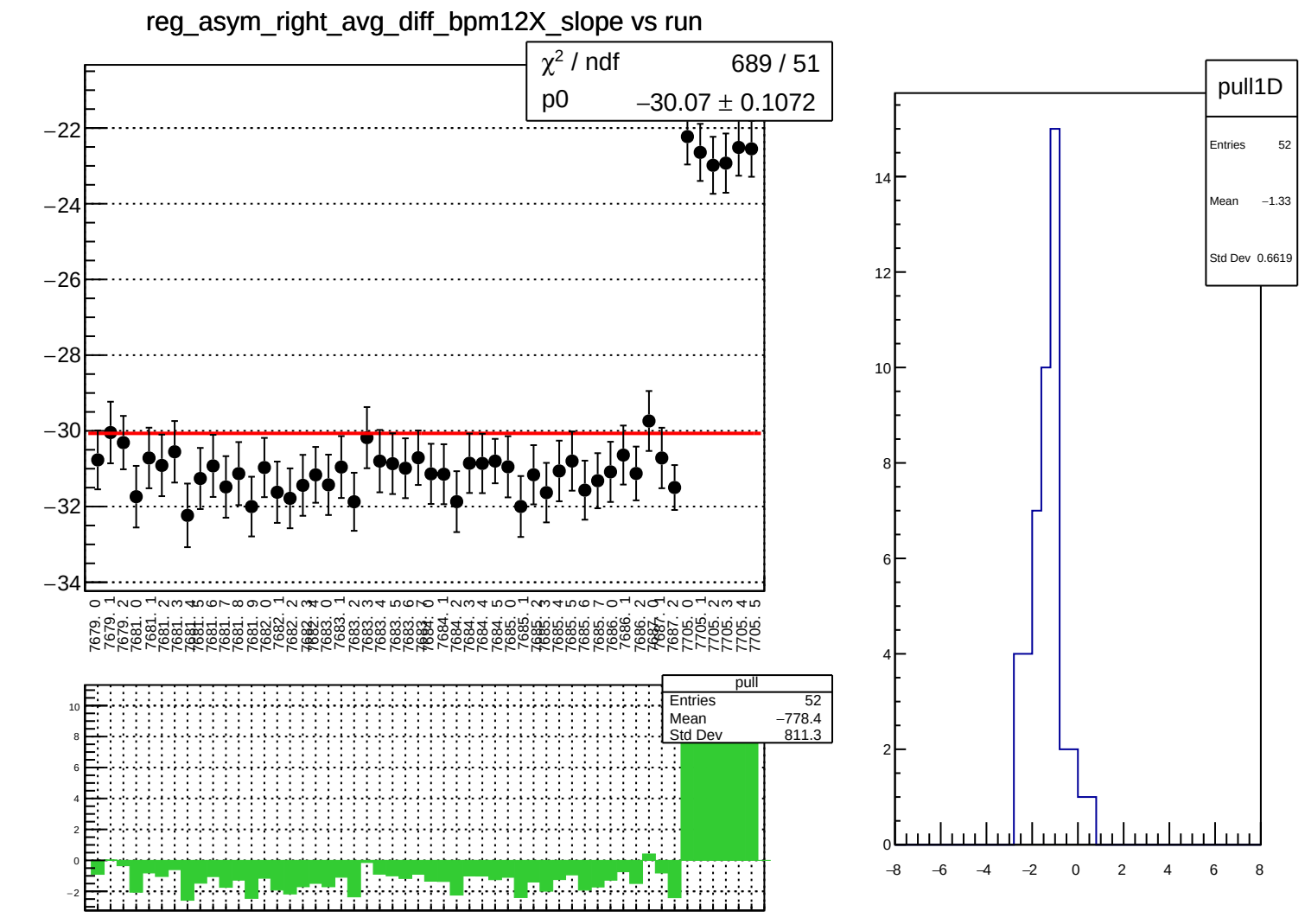

pull1D
Entries 52
Mean 0.02948
Std Dev 0.3793

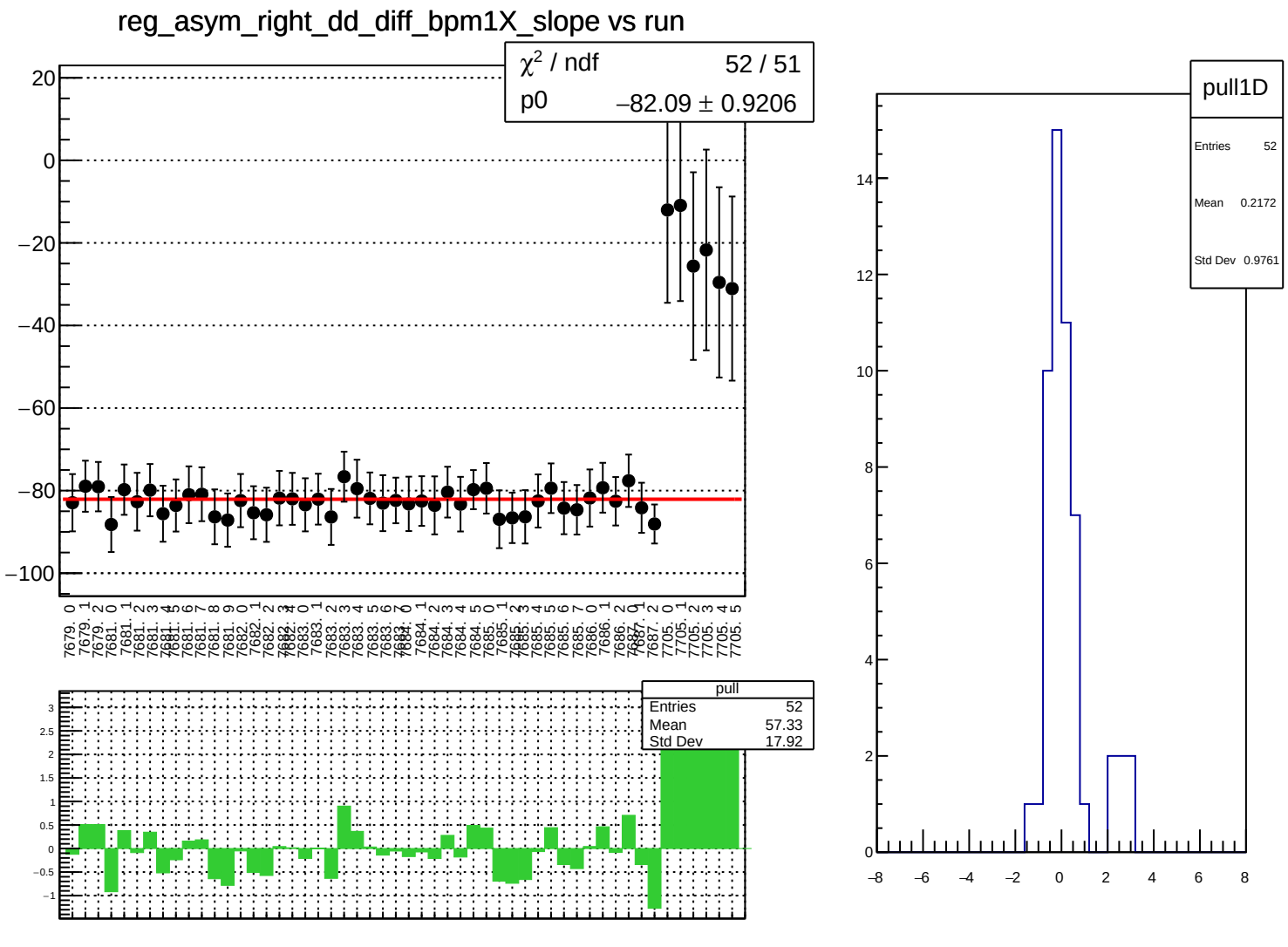

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.5 / 51
p0 109 ± 0.7418
pull
Entries 52
Mean 54.02
Std Dev 9.729

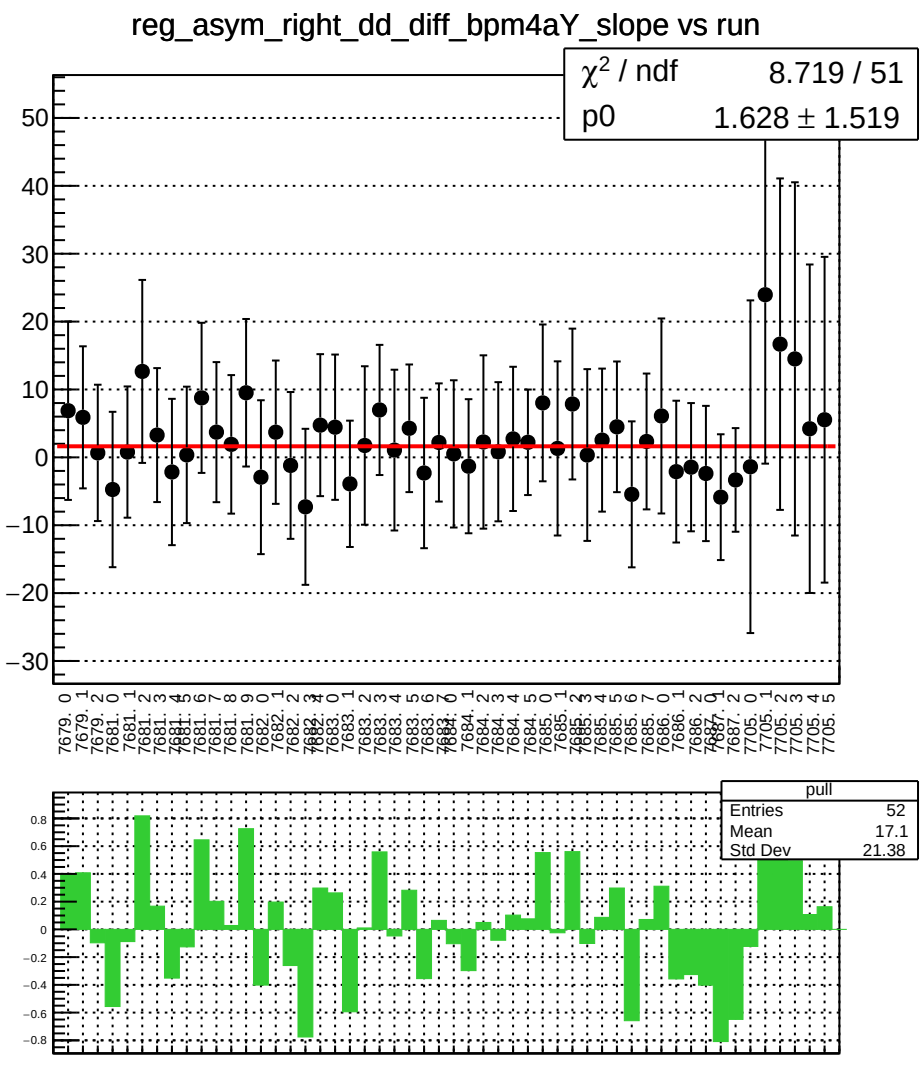

pull1D
Entries 52
Mean −0.2525
Std Dev 1.094

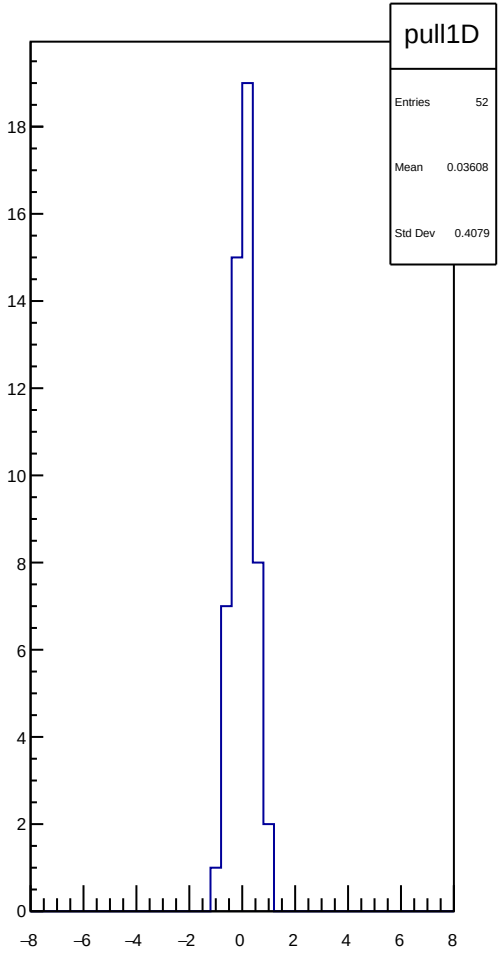

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.224 / 51
p0 11.11 ± 2.231
pull
Entries 52
Mean 56.83
Std Dev 18.77

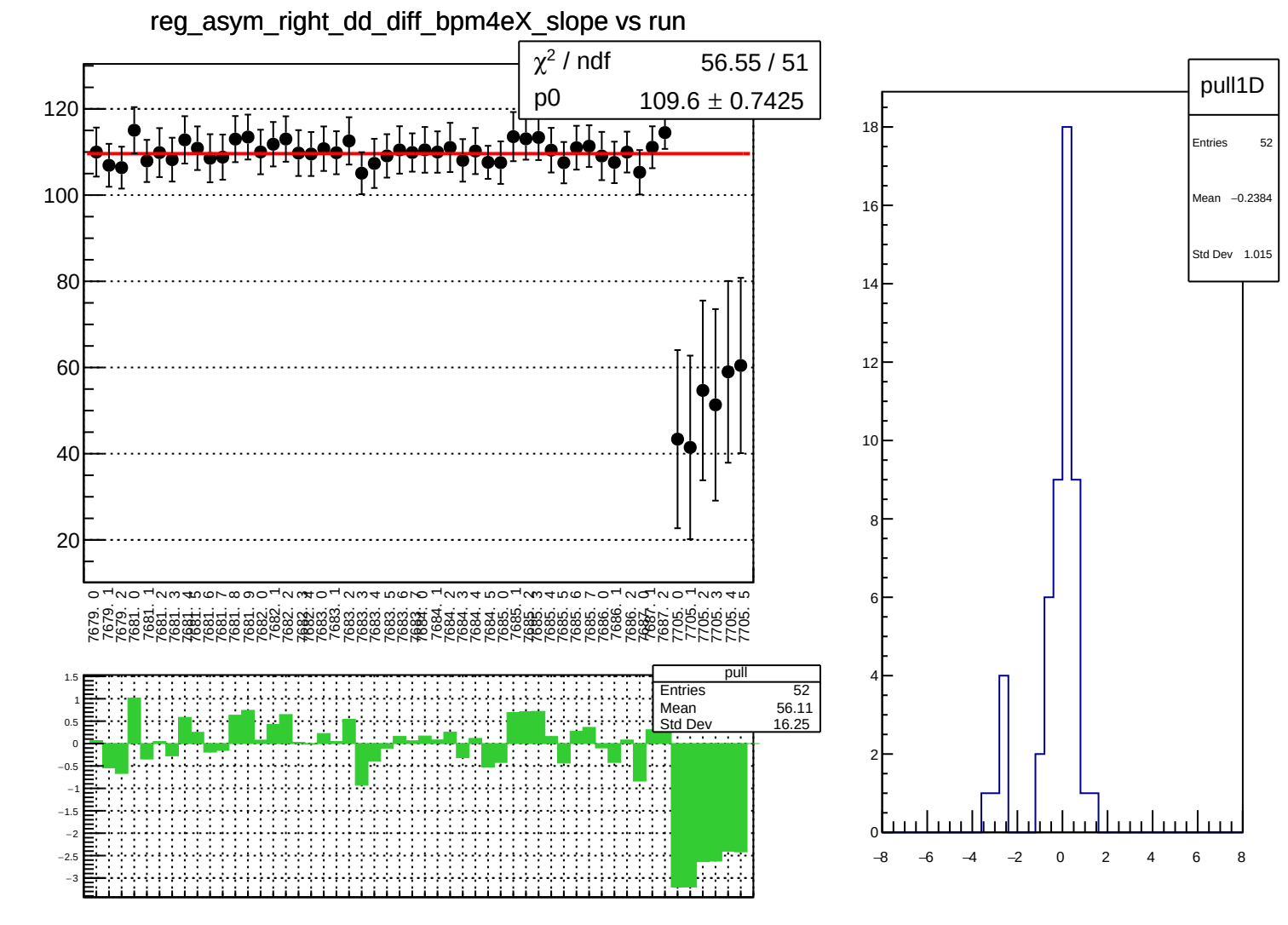

pull1D
Entries 52
Mean −0.02419
Std Dev 0.3969

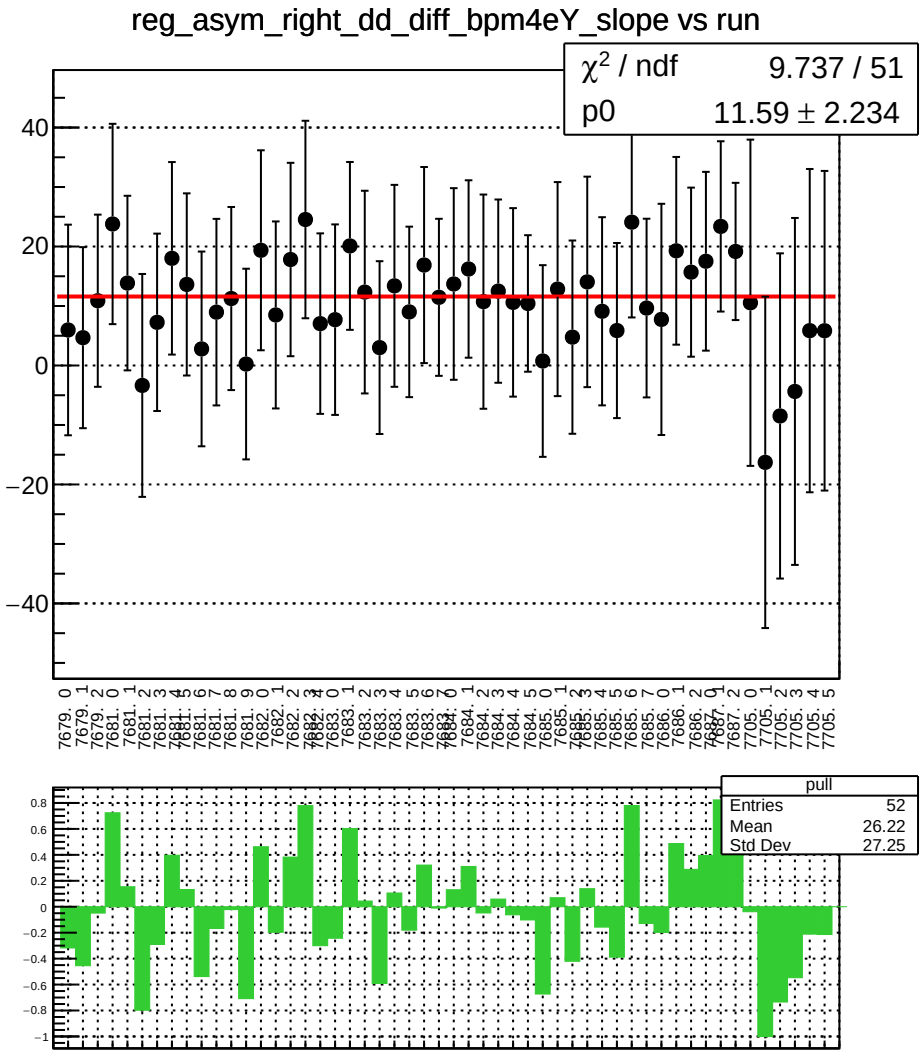

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 689 / 51
p0 −30.07 ± 0.1072
pull
Entries 52
Mean −778.4
Std Dev 811.3
pull1D
Entries 52
Mean −1.33
Std Dev 0.6619

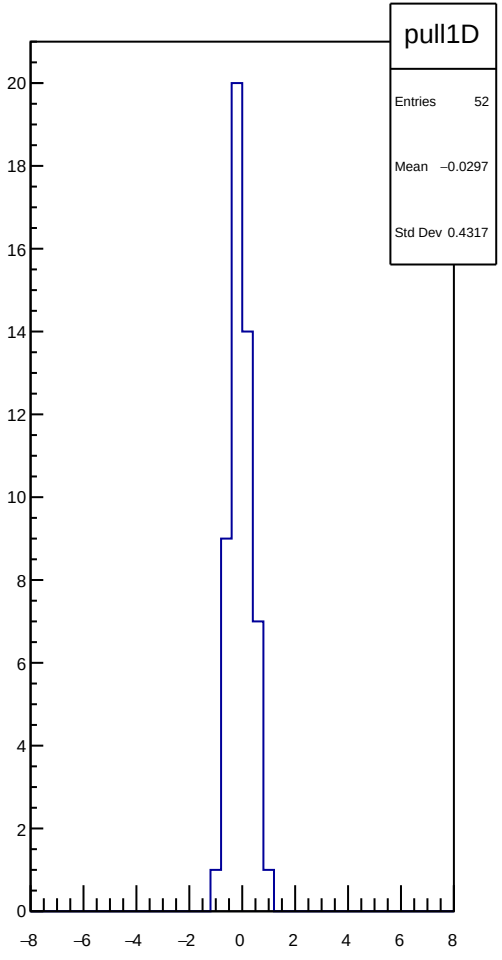

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 52 / 51
p0 −82.09 ± 0.9206
pull
Entries 52
Mean 57.33
Std Dev 17.92
pull1D
Entries 52
Mean 0.2172
Std Dev 0.9761

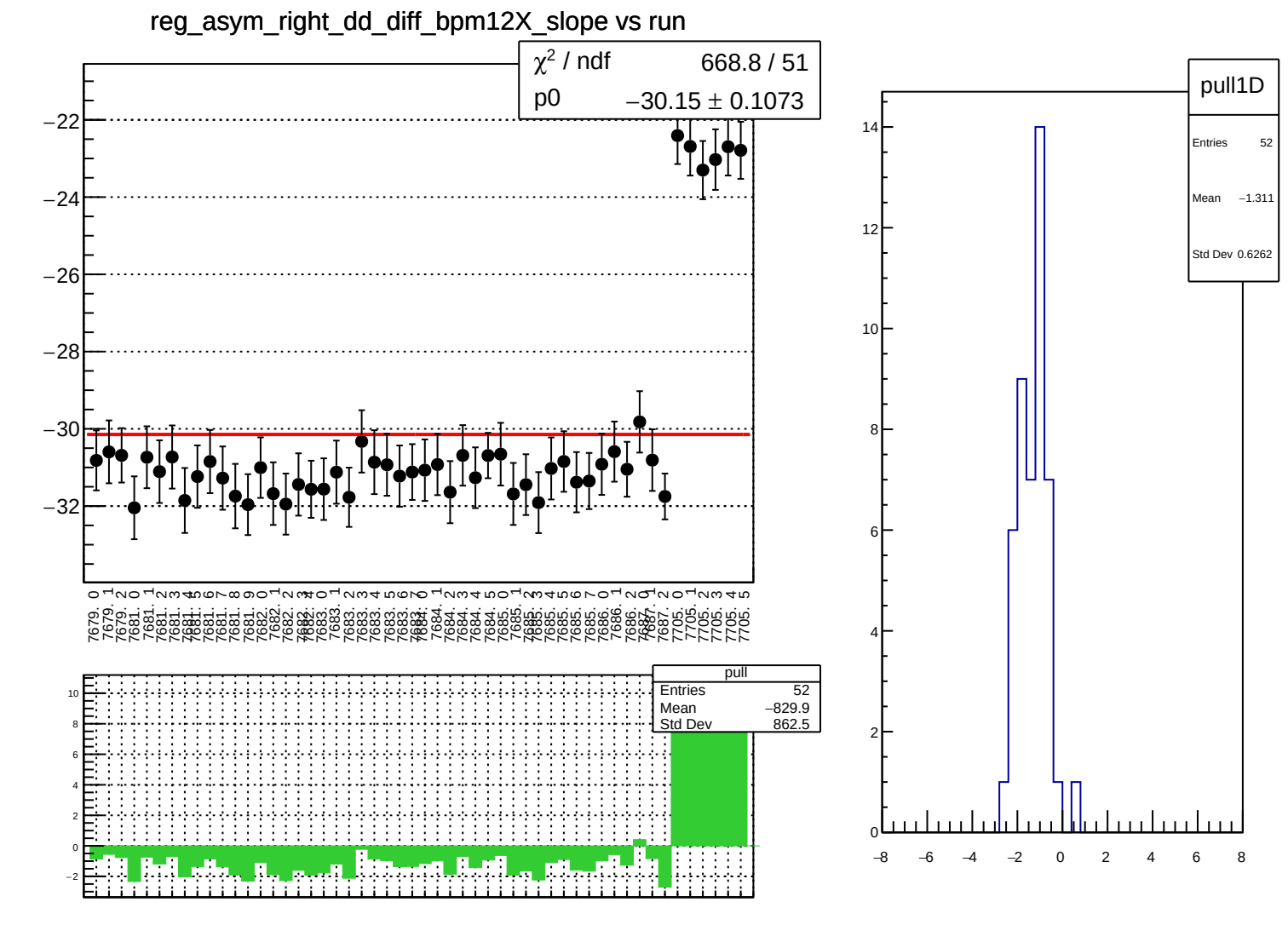

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.719 / 51
p0 1.628 ± 1.519
pull
Entries 52
Mean 17.1
Std Dev 21.38

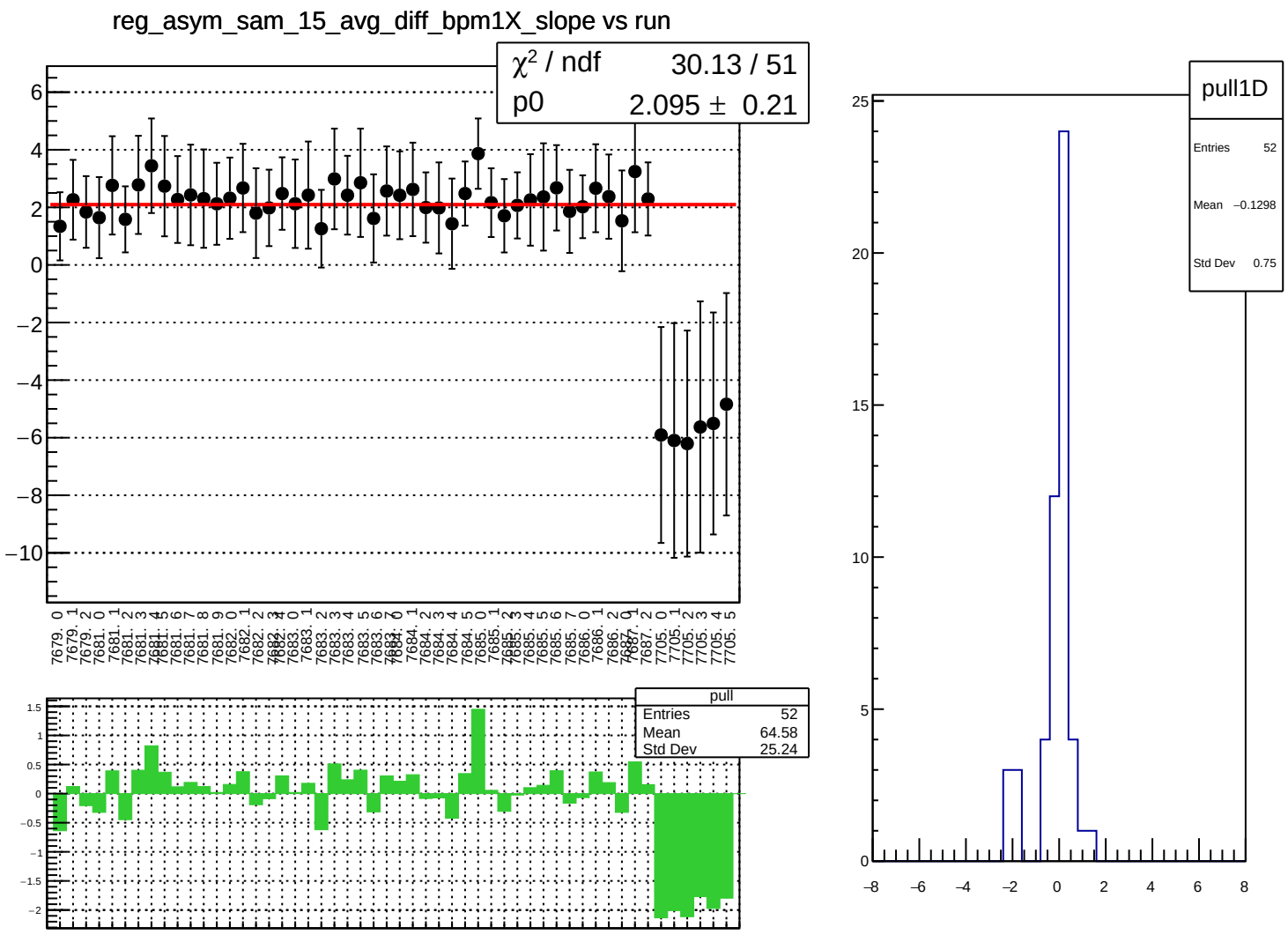

pull1D
Entries 52
Mean 0.03608
Std Dev 0.4079

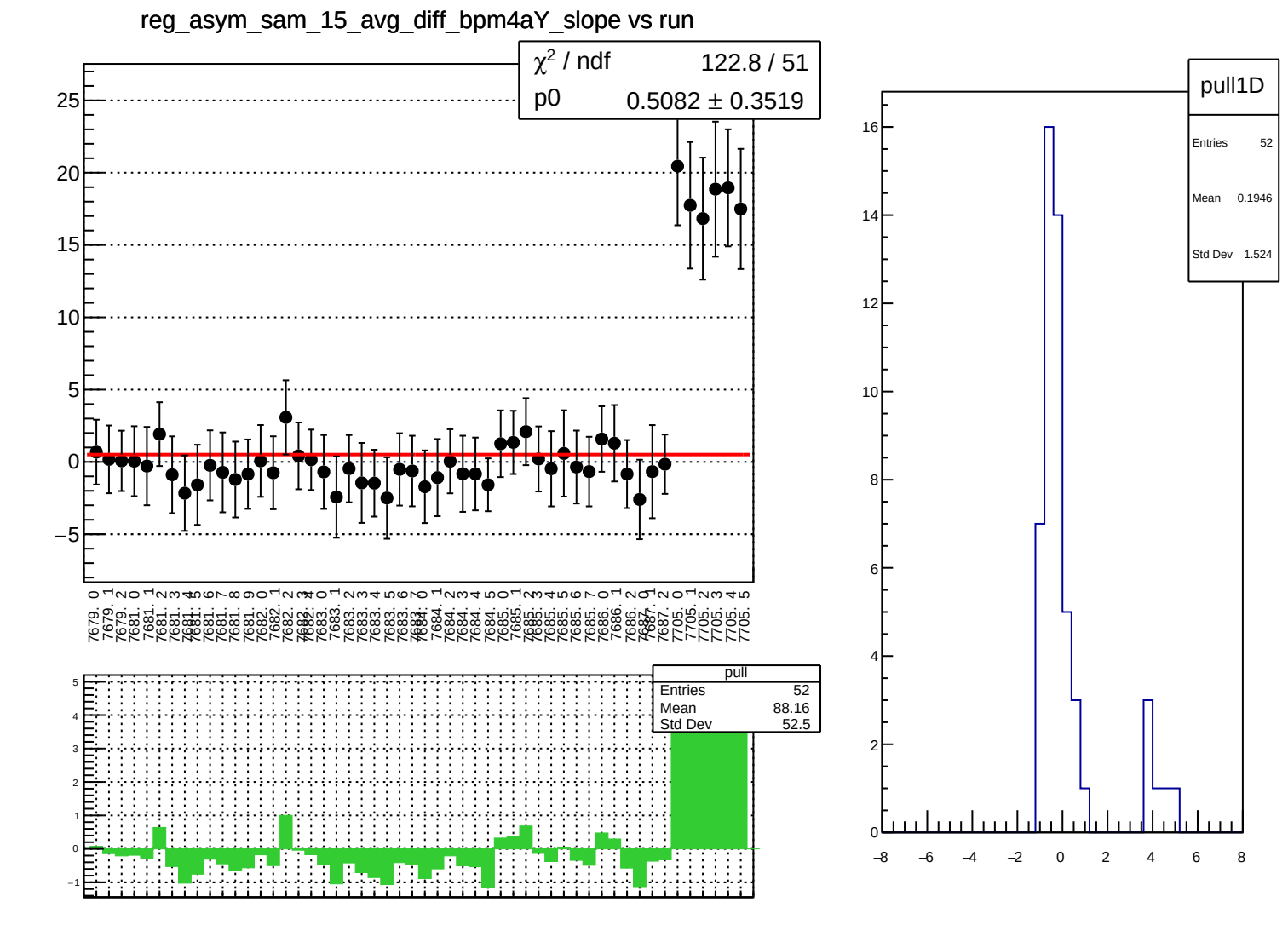

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.55 / 51
p0 109.6 ± 0.7425
pull
Entries 52
Mean 56.11
Std Dev 16.25
pull1D
Entries 52
Mean −0.2384
Std Dev 1.015

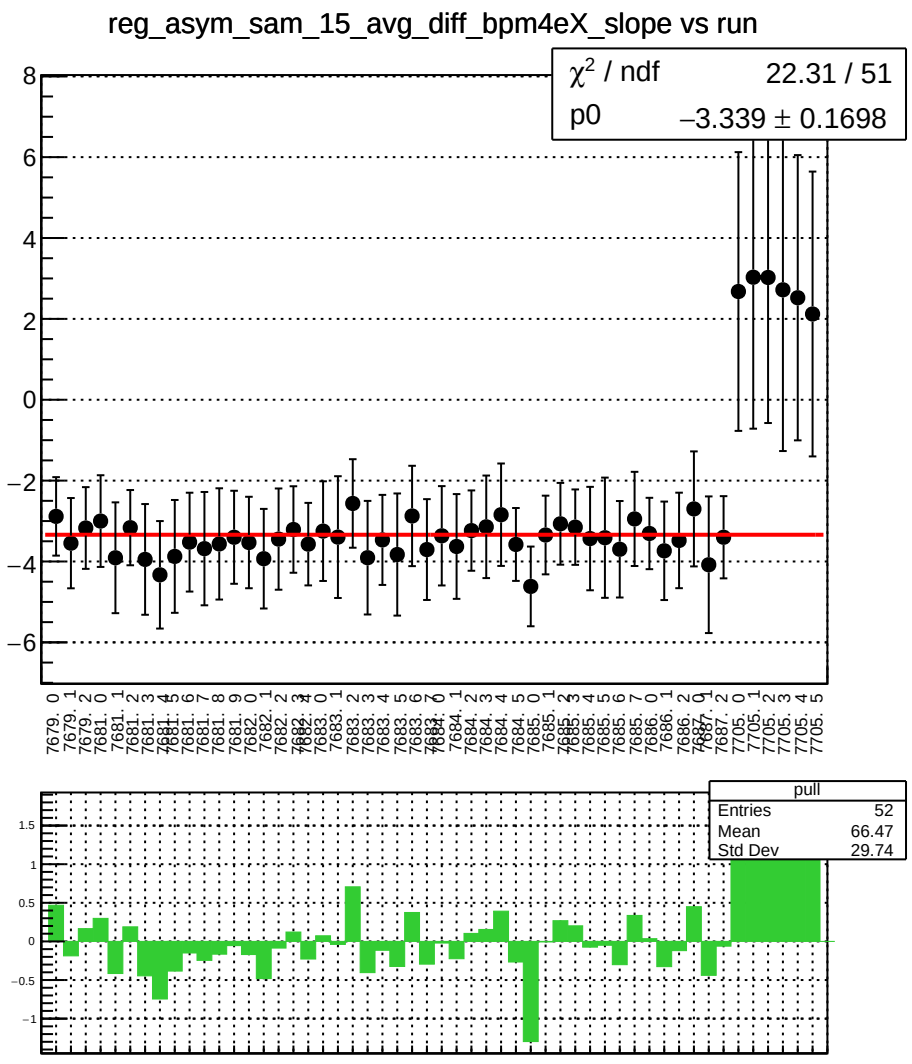

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.737 / 51
p0 11.59 ± 2.234
pull
Entries 52
Mean 26.22
Std Dev 27.25

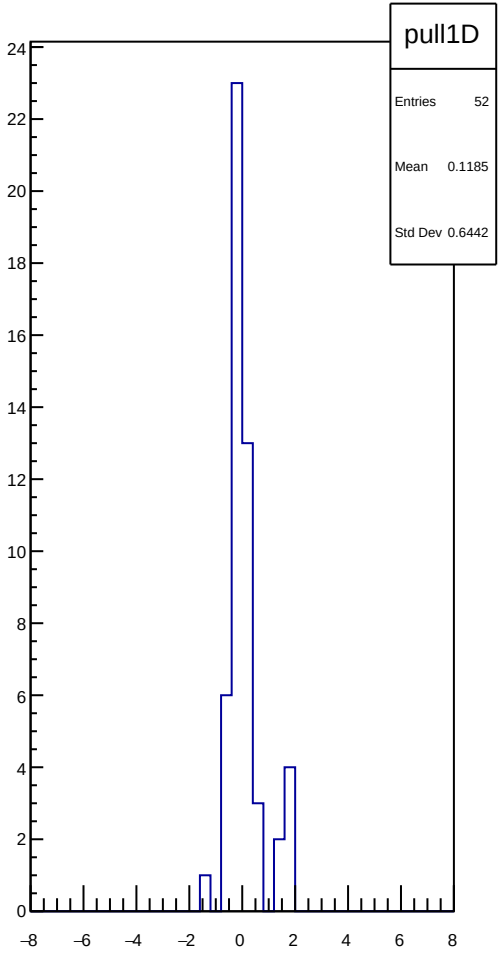

pull1D
Entries 52
Mean −0.0297
Std Dev 0.4317

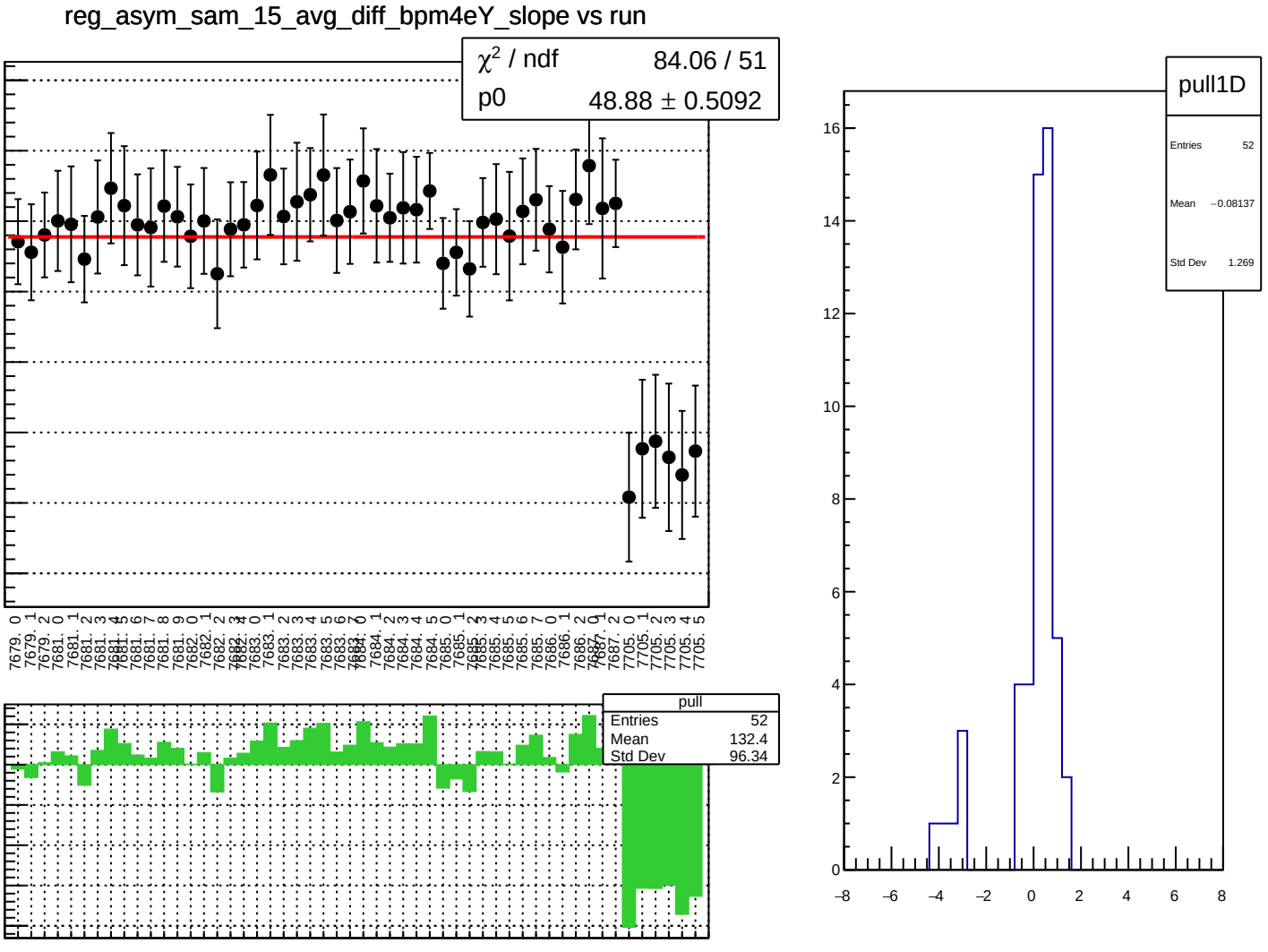

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 668.8 / 51
p0 −30.15 ± 0.1073
pull
Entries 52
Mean −829.9
Std Dev 862.5
pull1D
Entries 52
Mean −1.311
Std Dev 0.6262

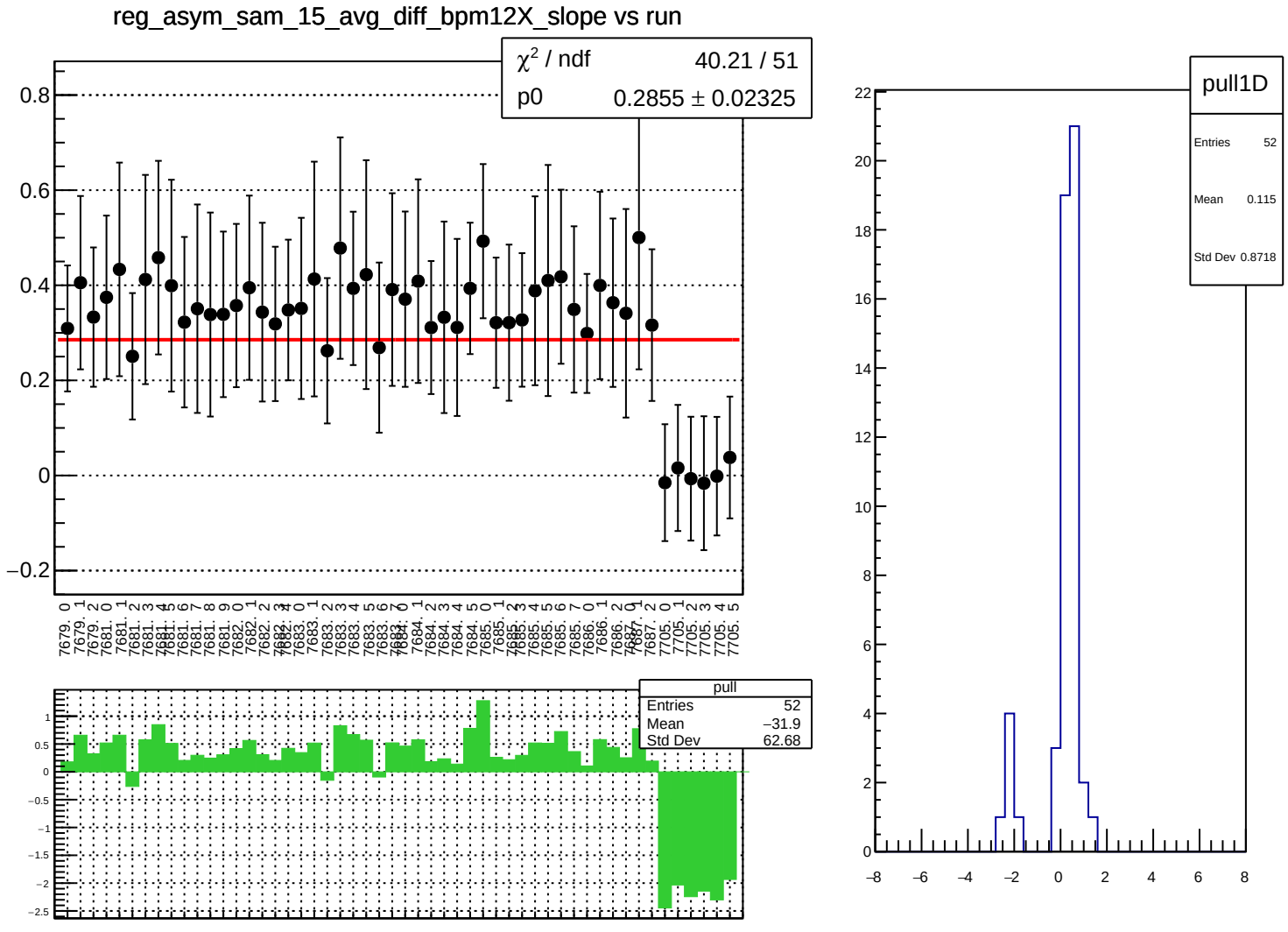

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 30.13 / 51
p0 2.095 ± 0.21
pull
Entries 52
Mean 64.58
Std Dev 25.24
pull1D
Entries 52
Mean −0.1298
Std Dev 0.75

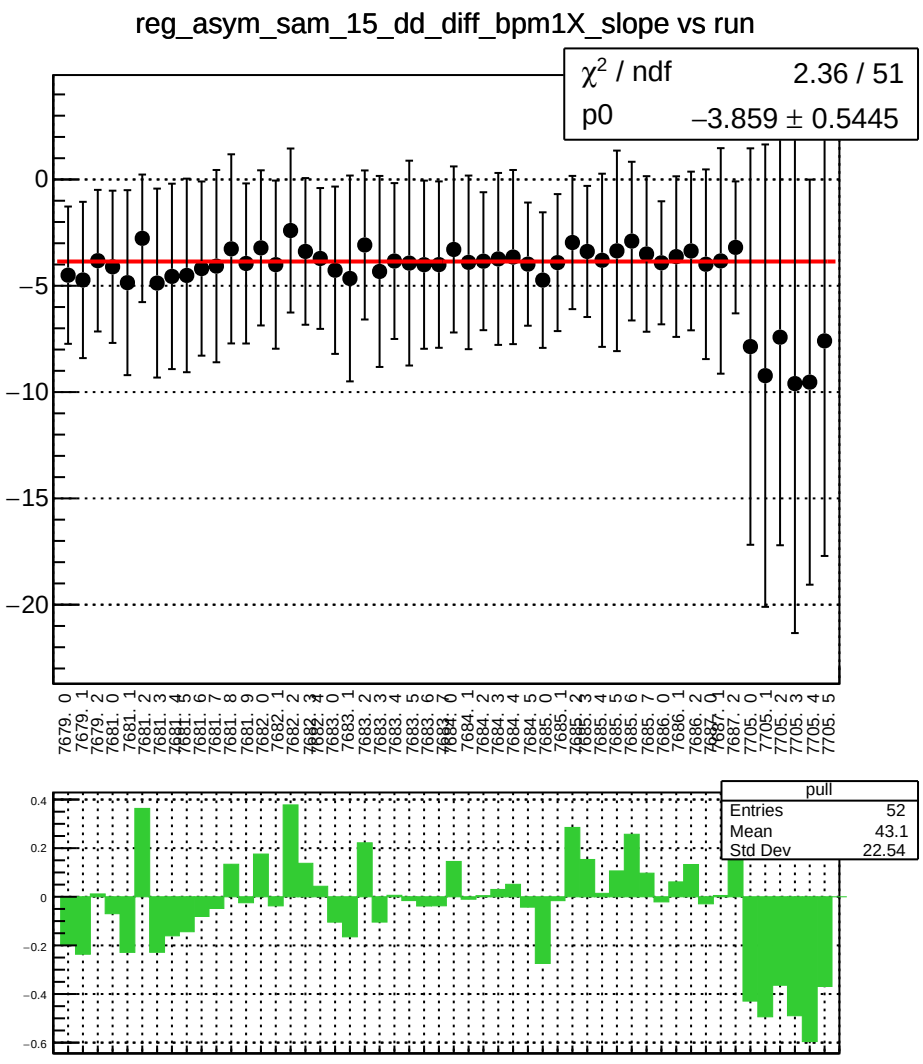

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 122.8 / 51
p0 0.5082 ± 0.3519
pull
Entries 52
Mean 88.16
Std Dev 52.5
pull1D
Entries 52
Mean 0.1946
Std Dev 1.524

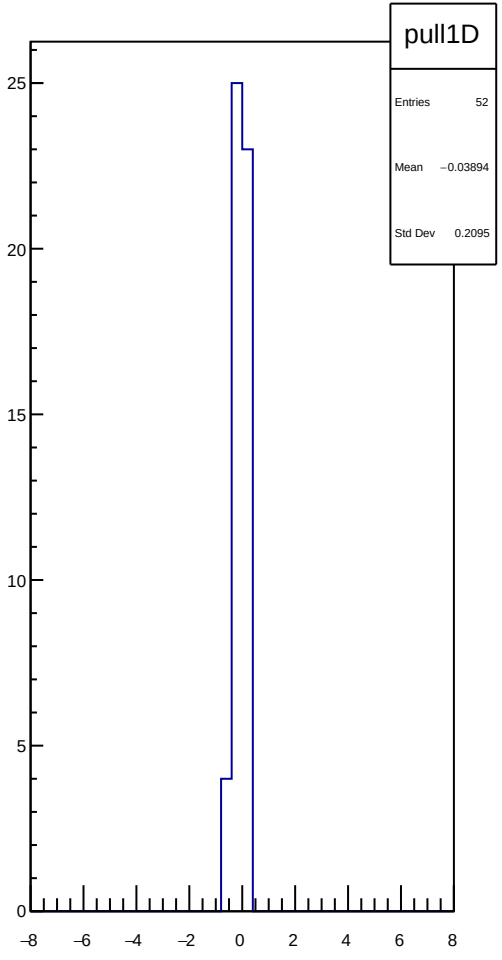

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.31 / 51
p0 −3.339 ± 0.1698
pull
Entries 52
Mean 66.47
Std Dev 29.74

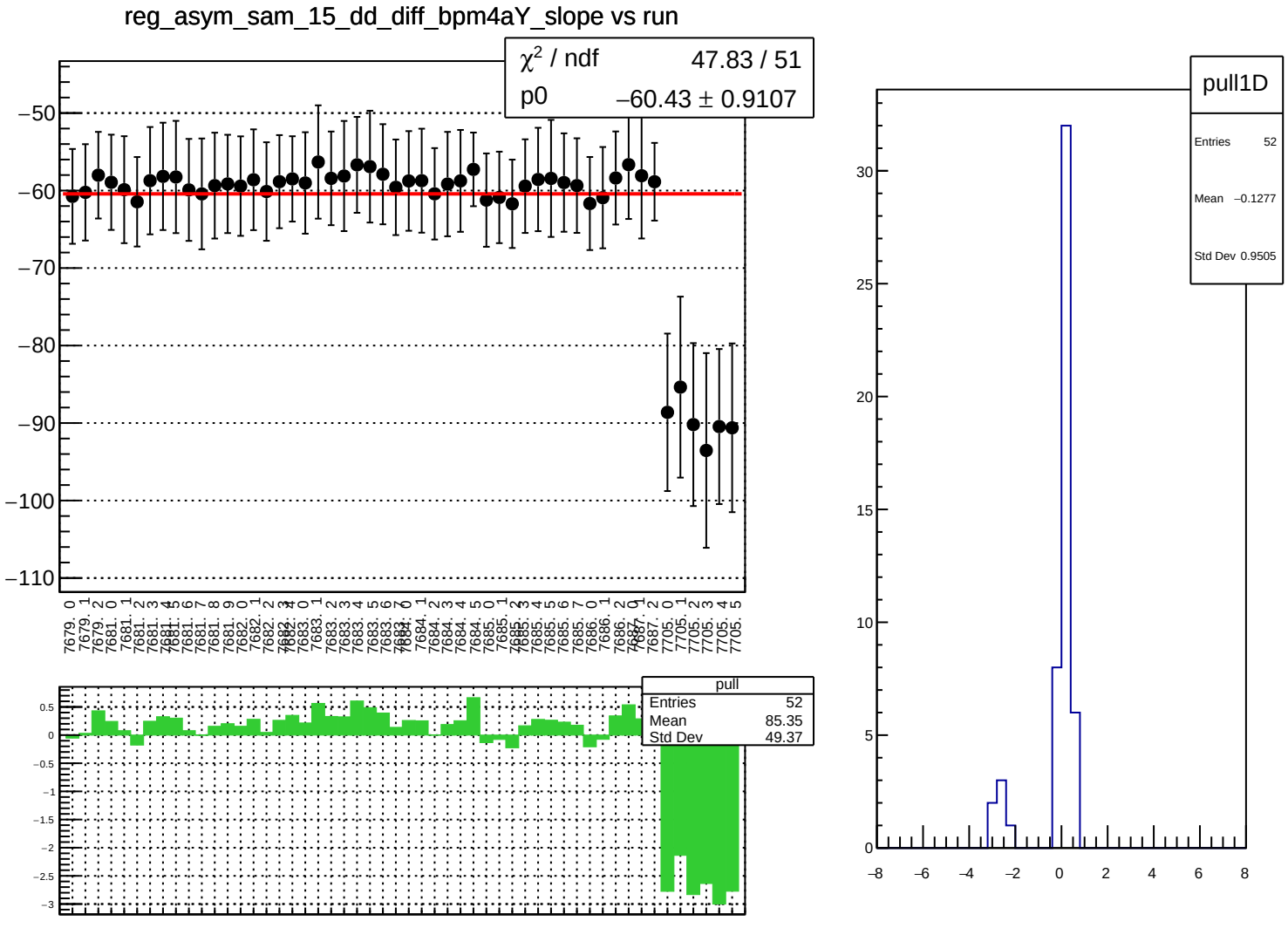

pull1D
Entries 52
Mean 0.1185
Std Dev 0.6442

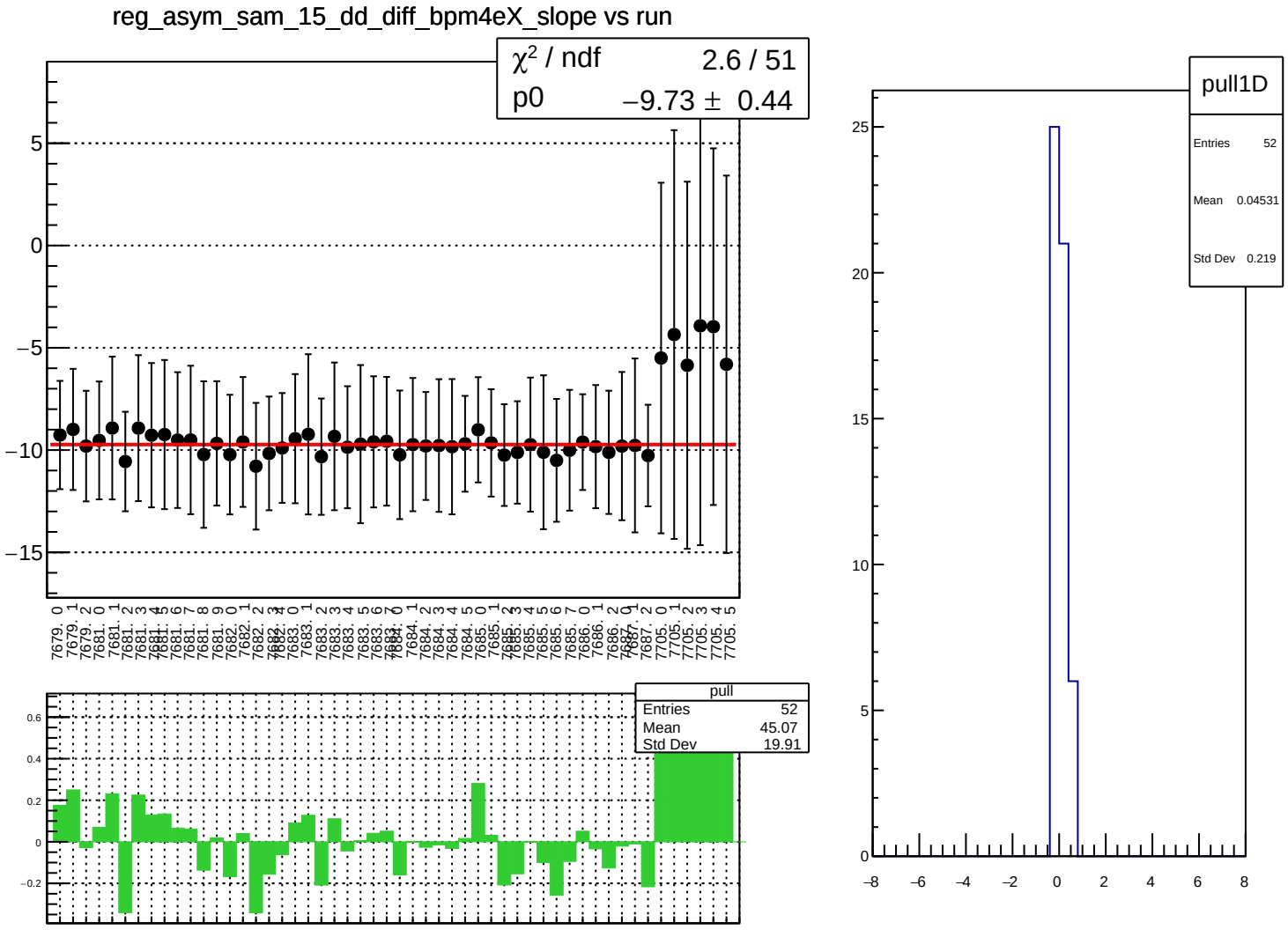

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 84.06 / 51
p0 48.88 ± 0.5092
pull
Entries 52
Mean 132.4
Std Dev 96.34
pull1D
Entries 52
Mean −0.08137
Std Dev 1.269

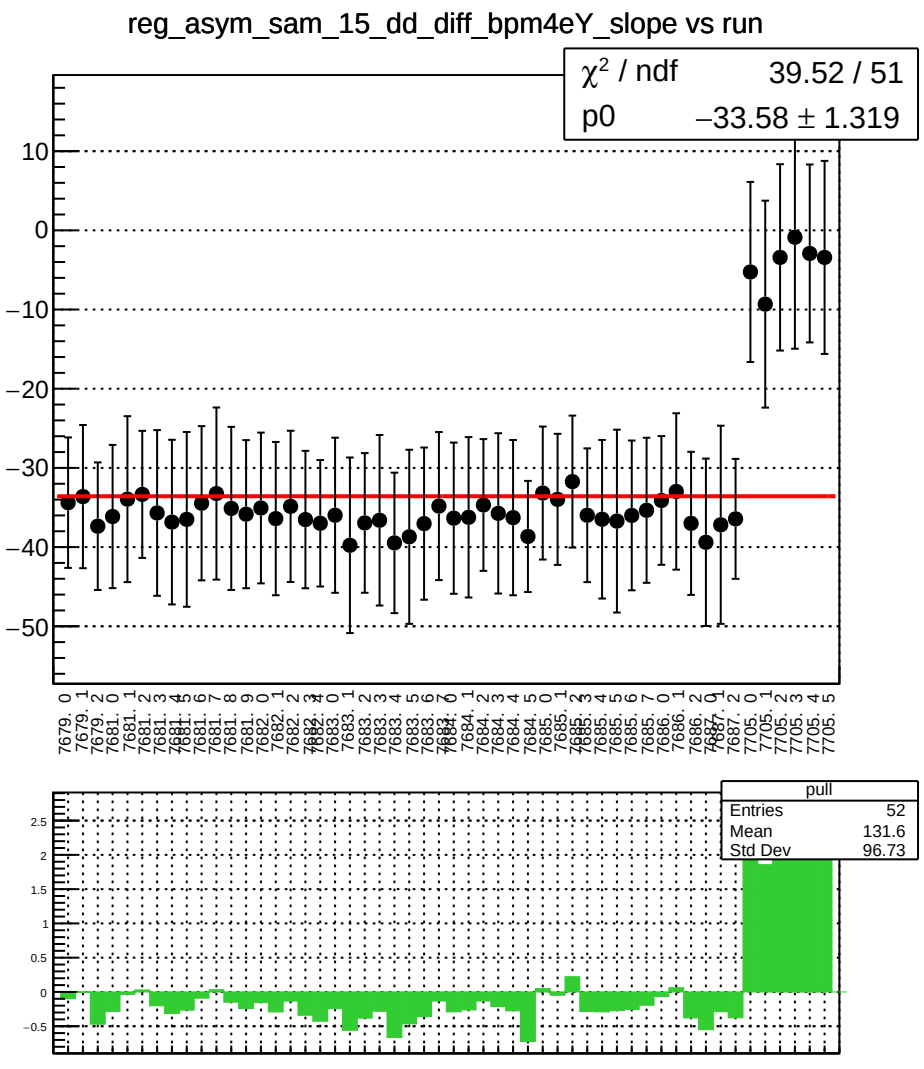

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 40.21 / 51
p0 0.2855 ± 0.02325
pull
Entries 52
Mean −31.9
Std Dev 62.68
pull1D
Entries 52
Mean 0.115
Std Dev 0.8718

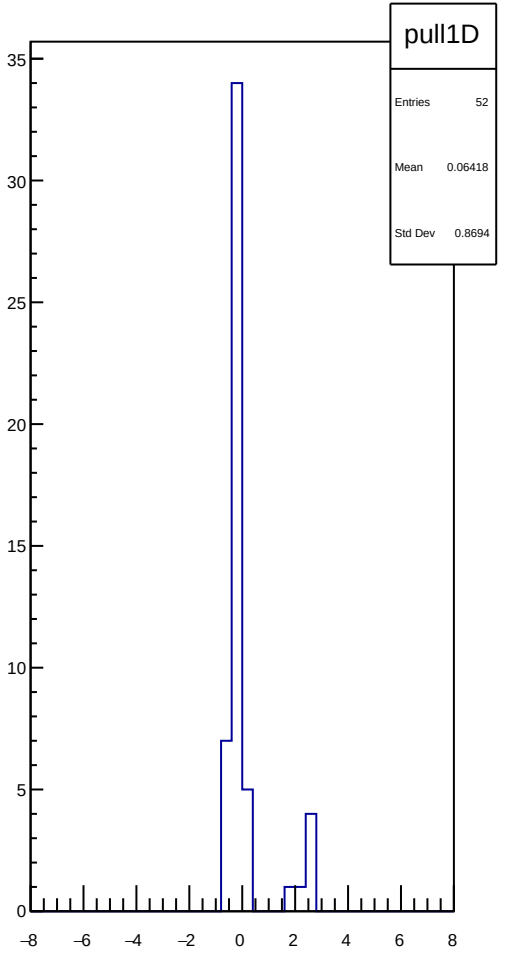

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.36 / 51
p0 −3.859 ± 0.5445
pull
Entries 52
Mean 43.1
Std Dev 22.54

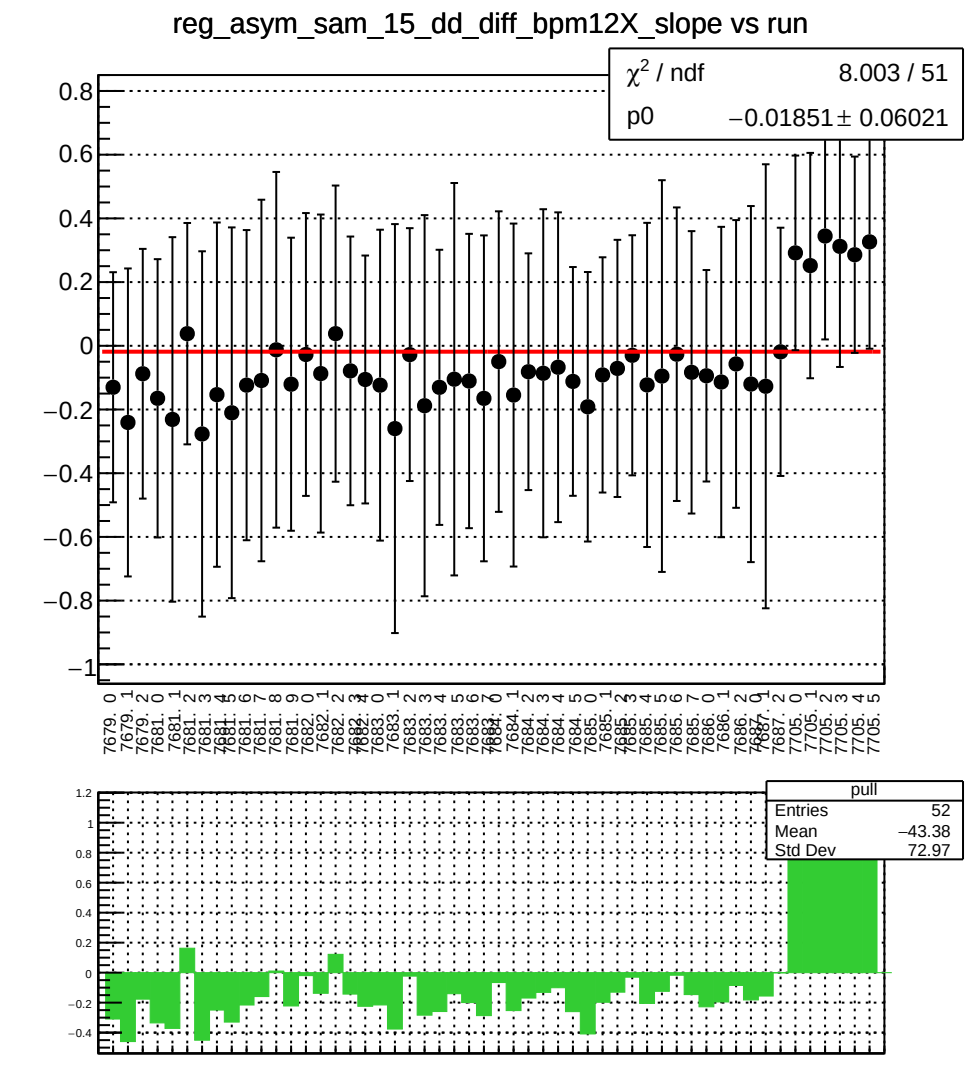

pull1D
Entries 52
Mean −0.03894
Std Dev 0.2095

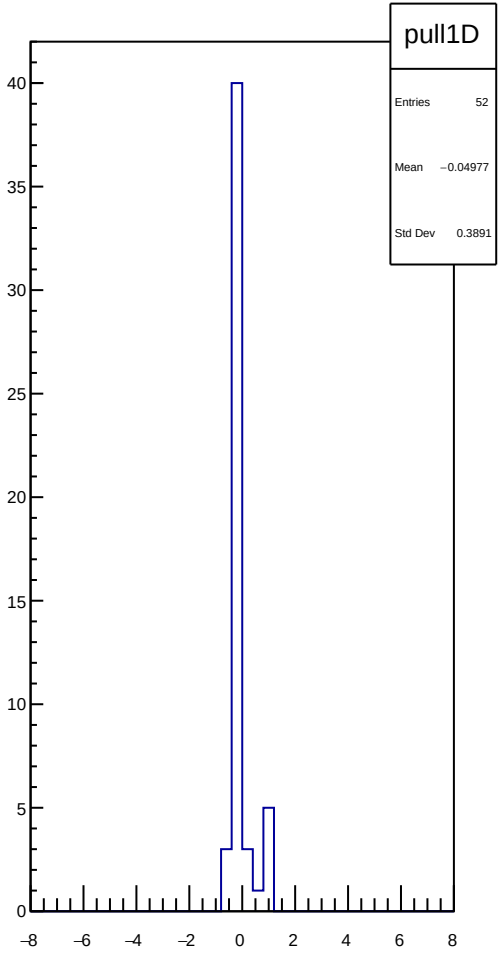

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.83 / 51
p0 −60.43 ± 0.9107
pull
Entries 52
Mean 85.35
Std Dev 49.37
pull1D
Entries 52
Mean −0.1277
Std Dev 0.9505

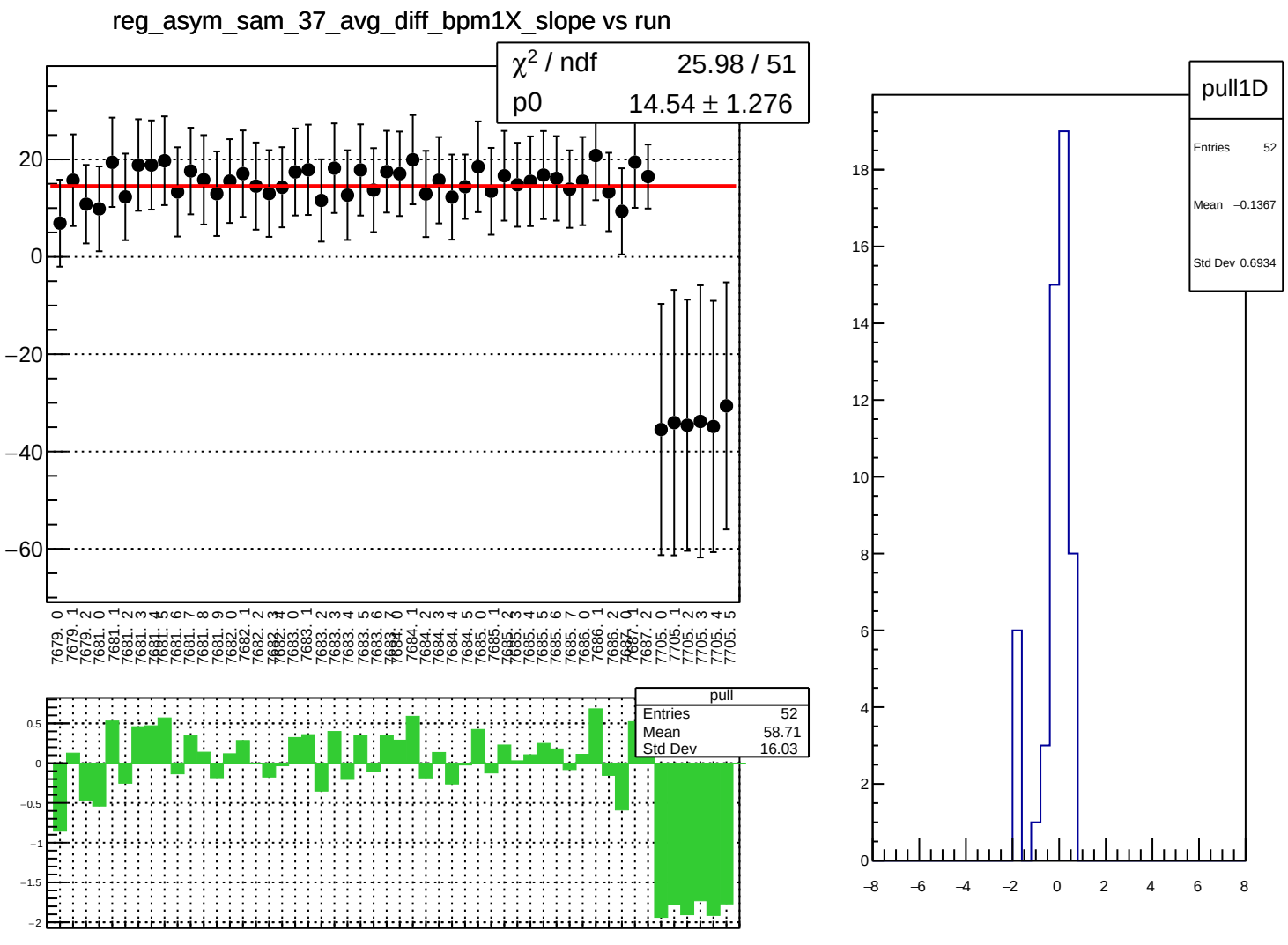

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.6 / 51
p0 −9.73 ± 0.44
pull
Entries 52
Mean 45.07
Std Dev 19.91
pull1D
Entries 52
Mean 0.04531
Std Dev 0.219

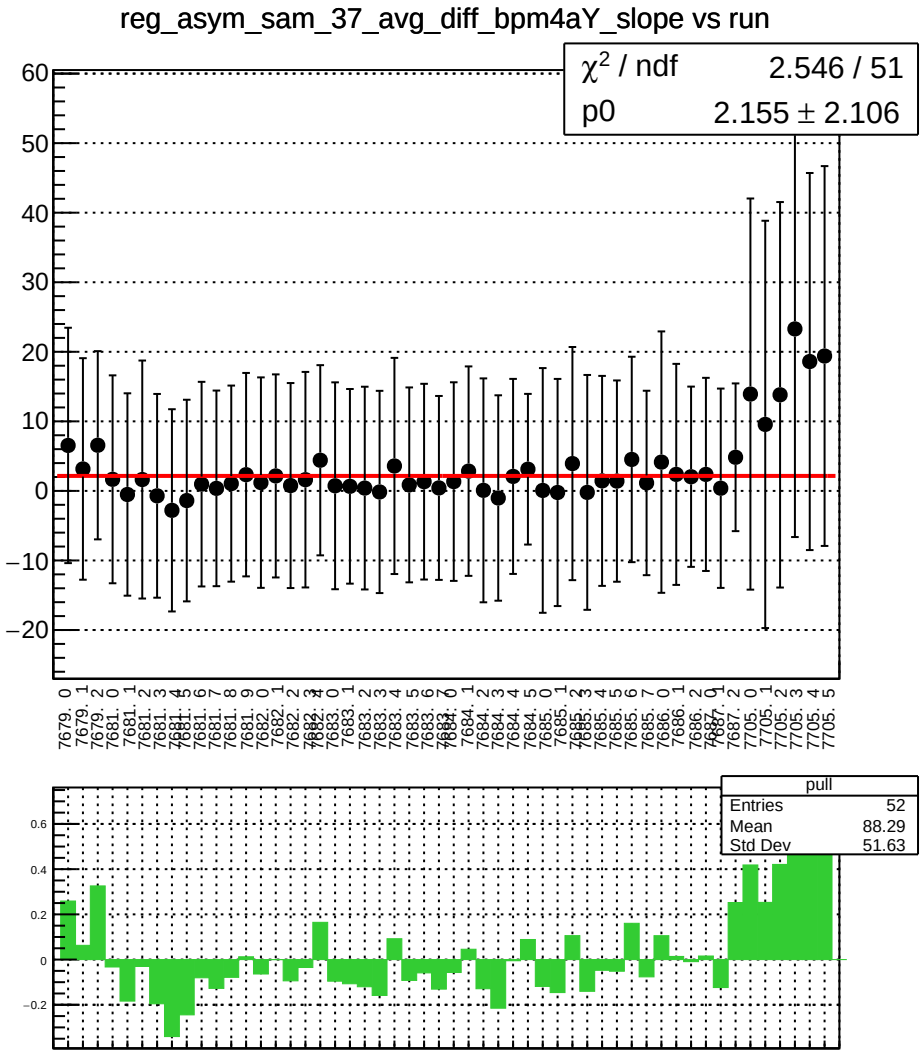

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.52 / 51
p0 −33.58 ± 1.319
pull
Entries 52
Mean 131.6
Std Dev 96.73

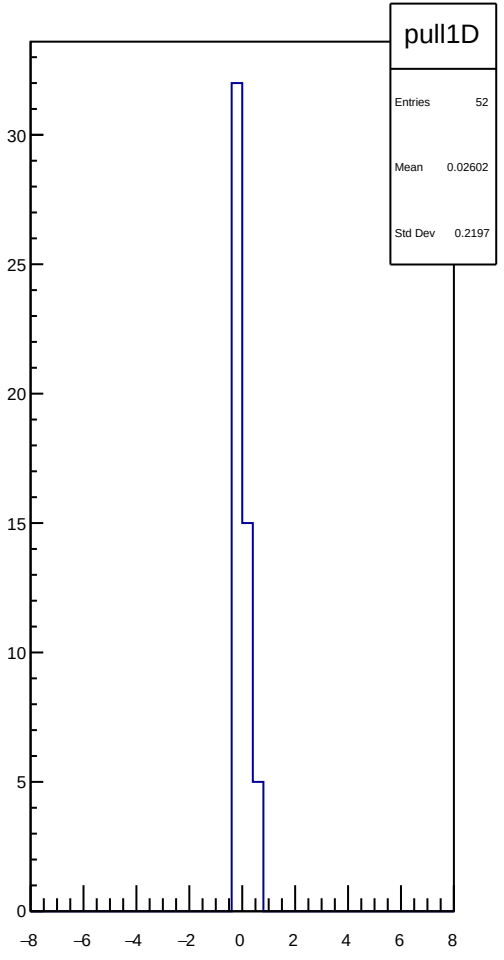

pull1D
Entries 52
Mean 0.06418
Std Dev 0.8694

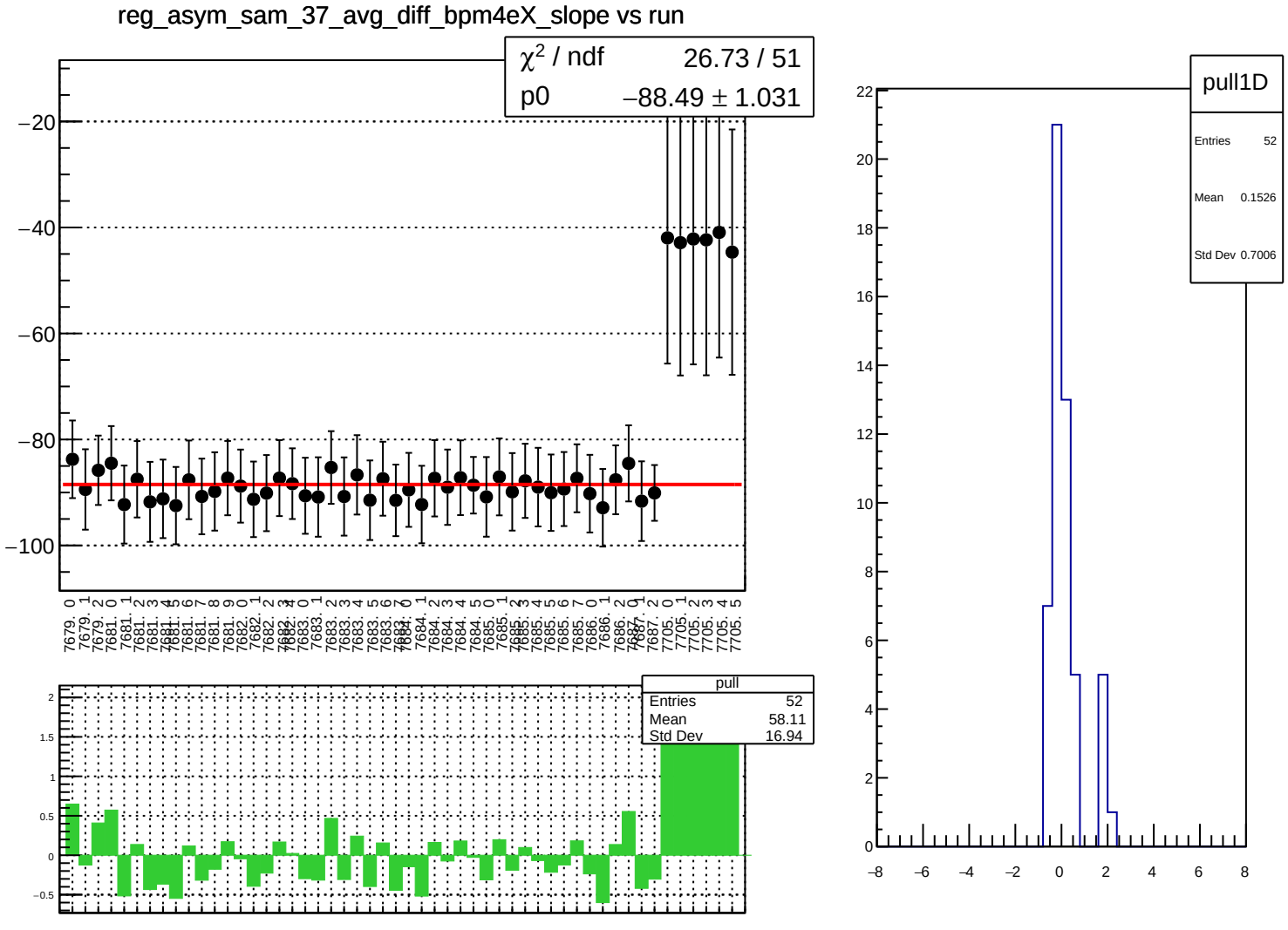

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 8.003 / 51
p0 −0.01851 ± 0.06021
pull
Entries 52
Mean −43.38
Std Dev 72.97

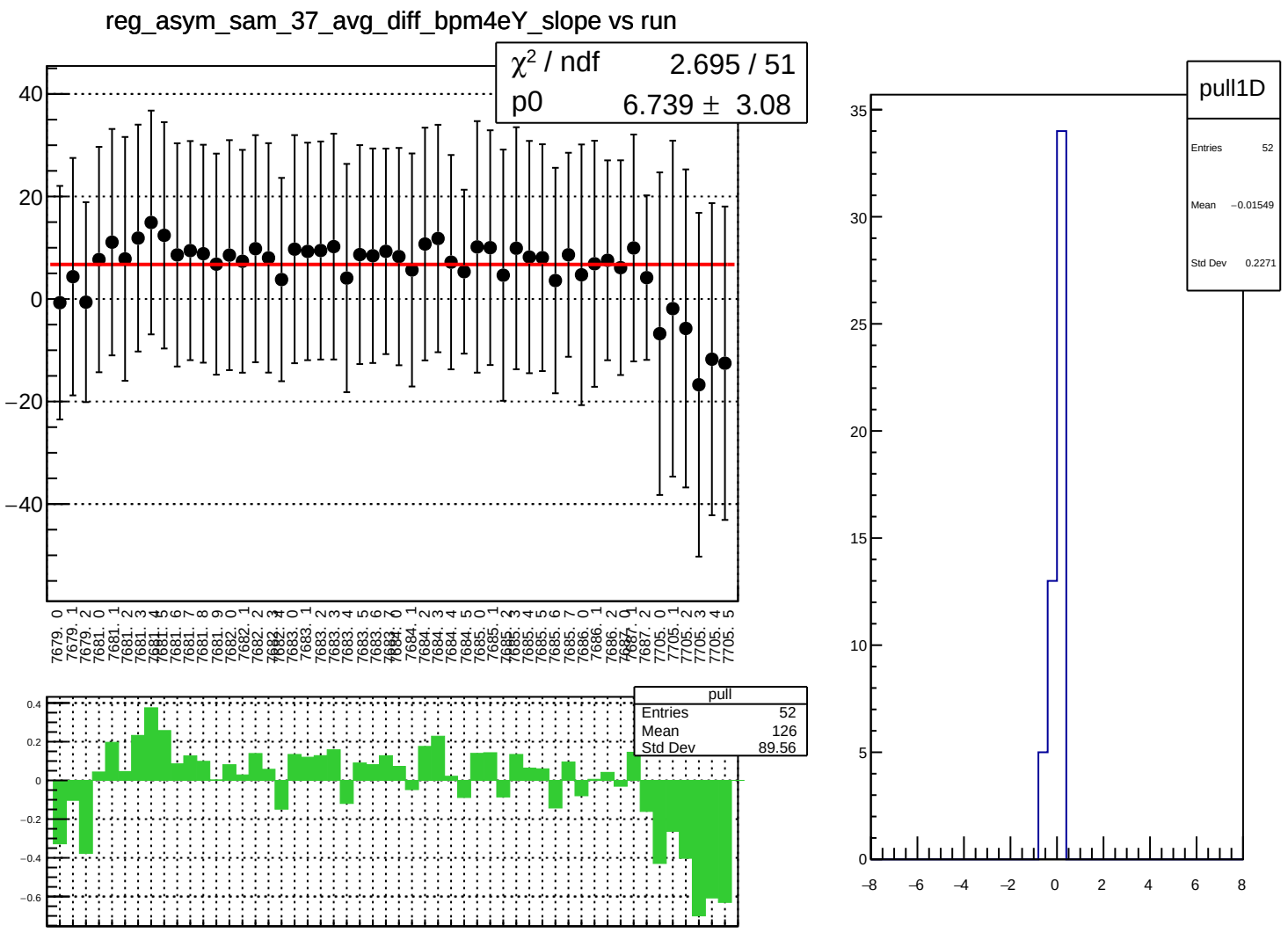

pull1D
Entries 52
Mean −0.04977
Std Dev 0.3891

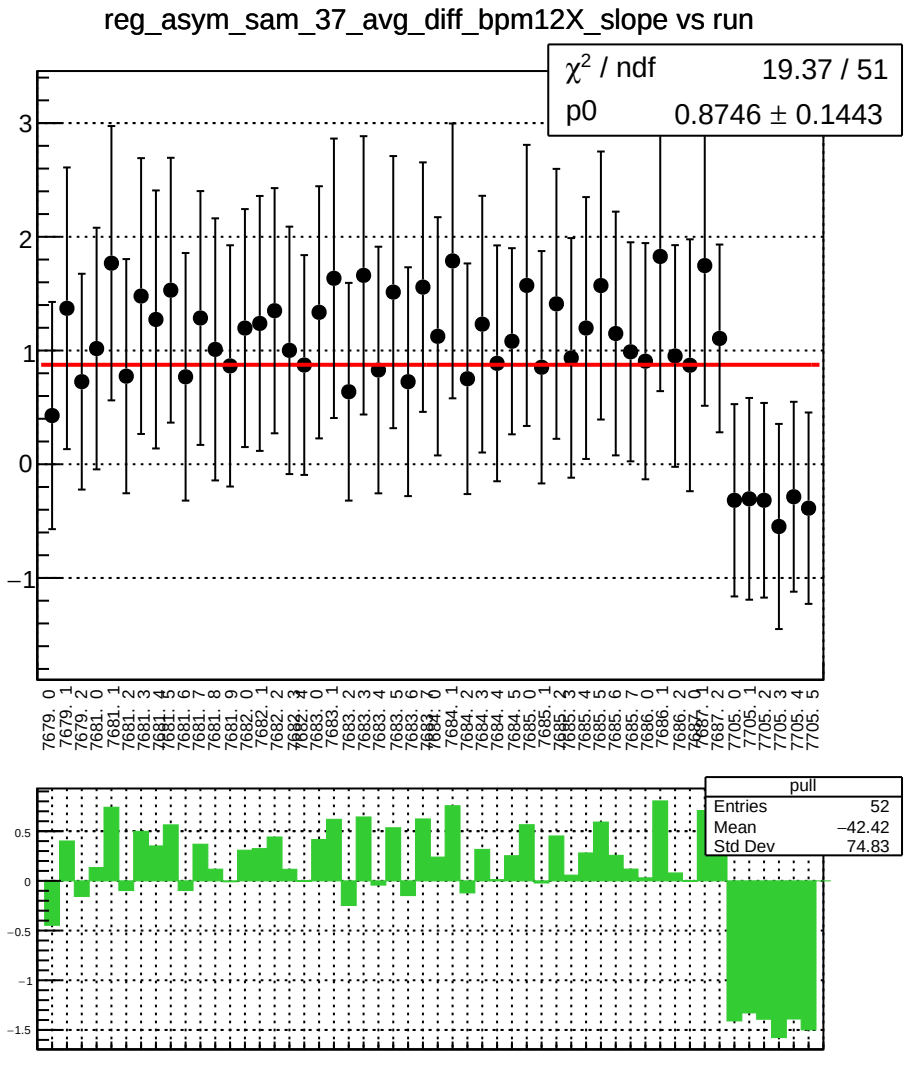

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 25.98 / 51
p0 14.54 ± 1.276
pull
Entries 52
Mean 58.71
Std Dev 16.03
pull1D
Entries 52
Mean −0.1367
Std Dev 0.6934

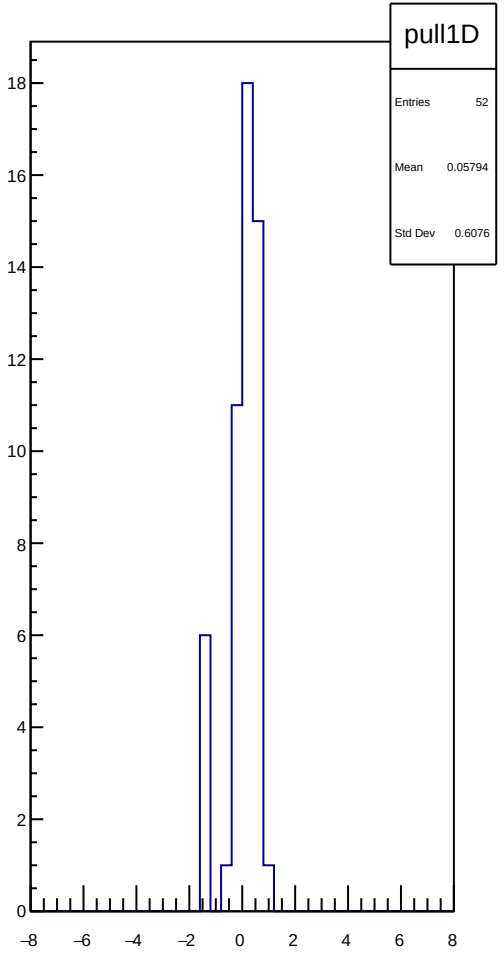

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.546 / 51
p0 2.155 ± 2.106
pull
Entries 52
Mean 88.29
Std Dev 51.63

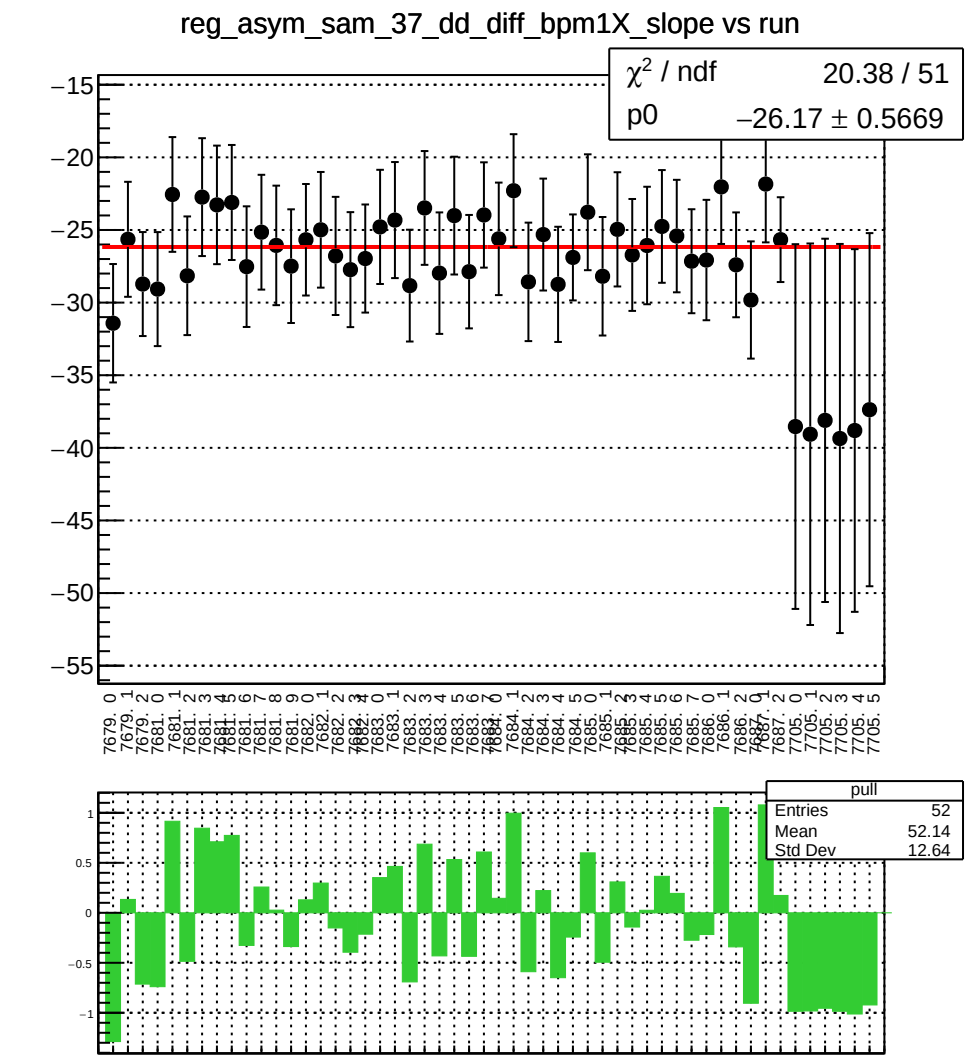

pull1D
Entries 52
Mean 0.02602
Std Dev 0.2197

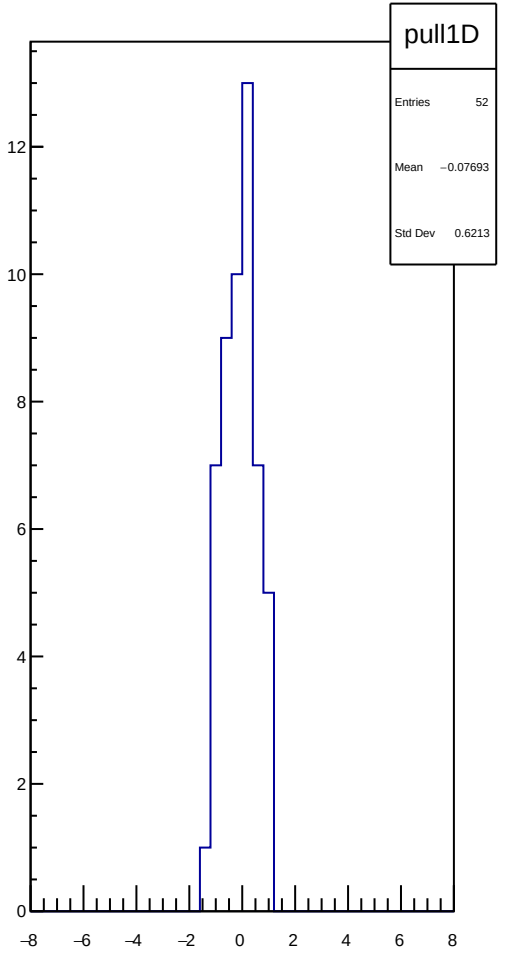

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.73 / 51
p0 −88.49 ± 1.031
pull
Entries 52
Mean 58.11
Std Dev 16.94
pull1D
Entries 52
Mean 0.1526
Std Dev 0.7006

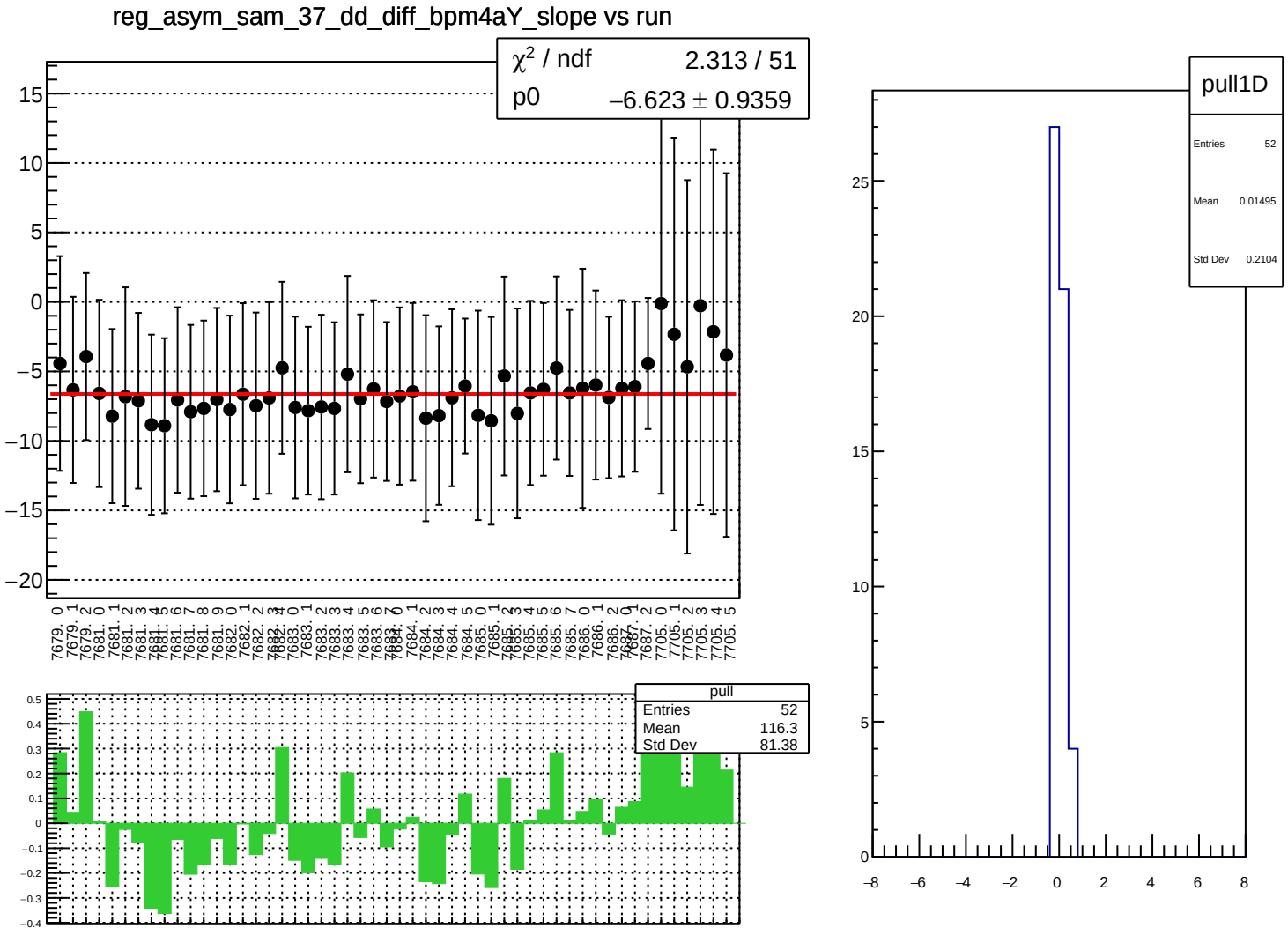

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.695 / 51
p0 6.739 ± 3.08
pull
Entries 52
Mean 126
Std Dev 89.56
pull1D
Entries 52
Mean −0.01549
Std Dev 0.2271

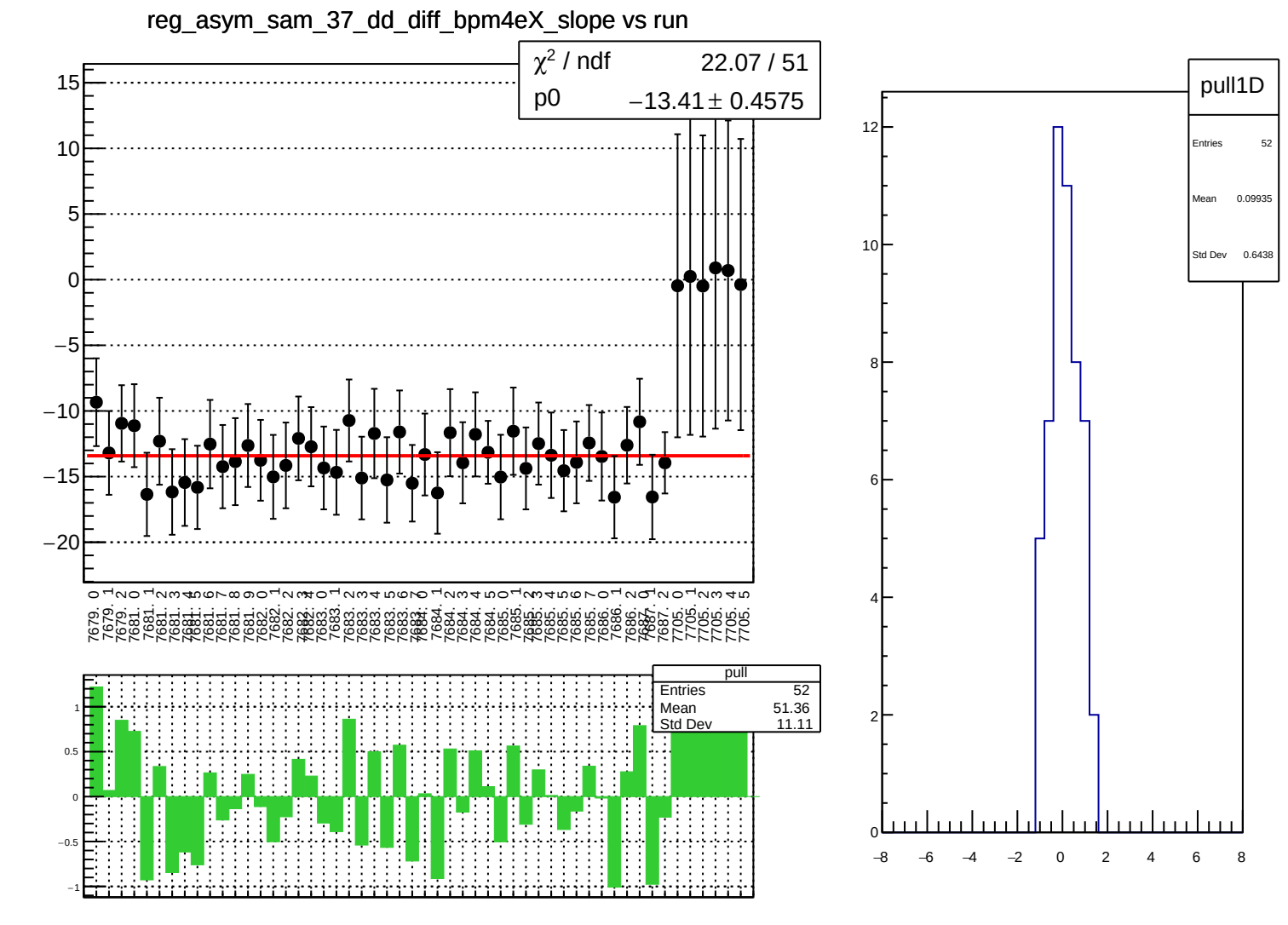

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 19.37 / 51
p0 0.8746 ± 0.1443
pull
Entries 52
Mean −42.42
Std Dev 74.83

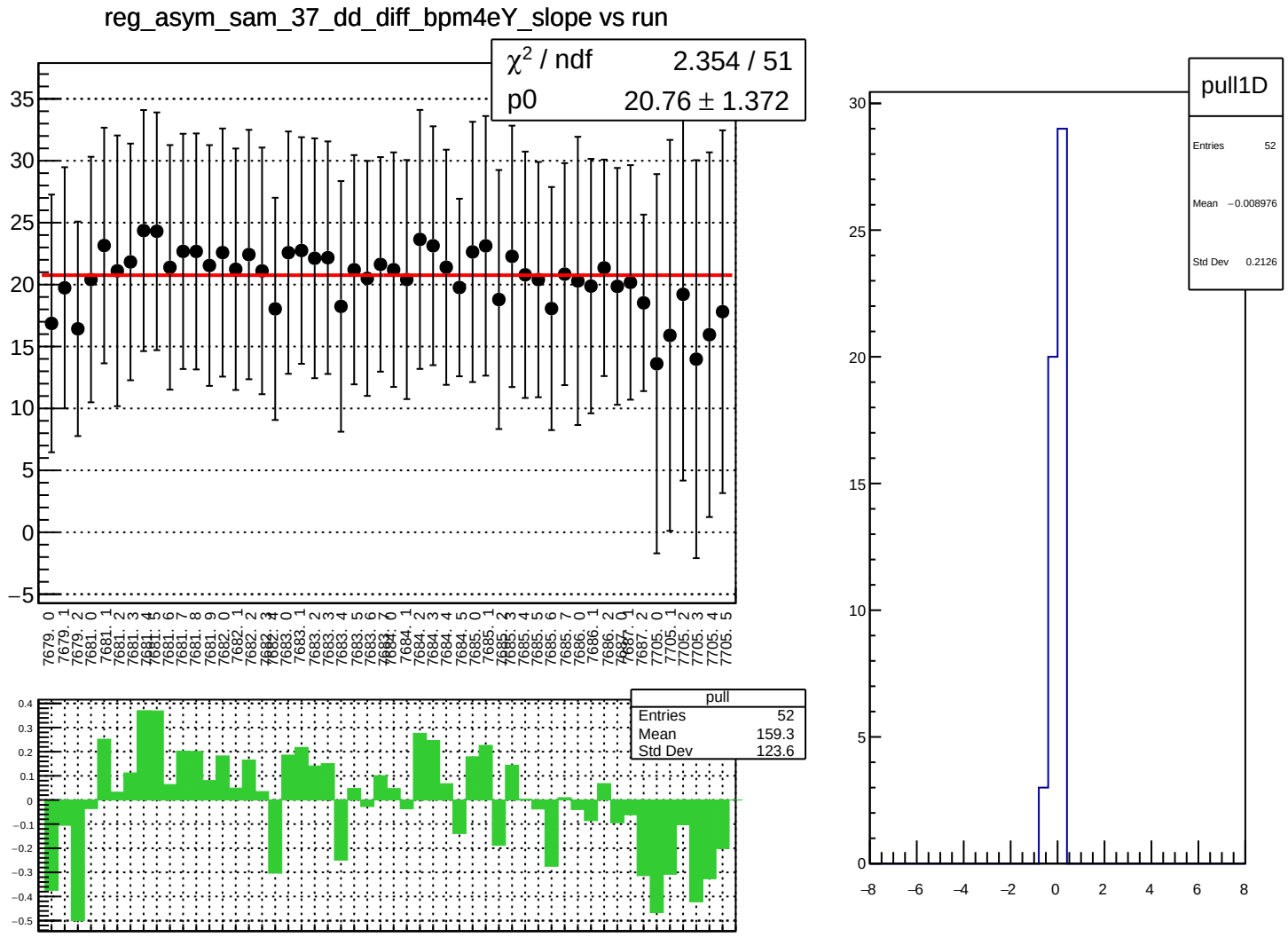

pull1D
Entries 52
Mean 0.05794
Std Dev 0.6076

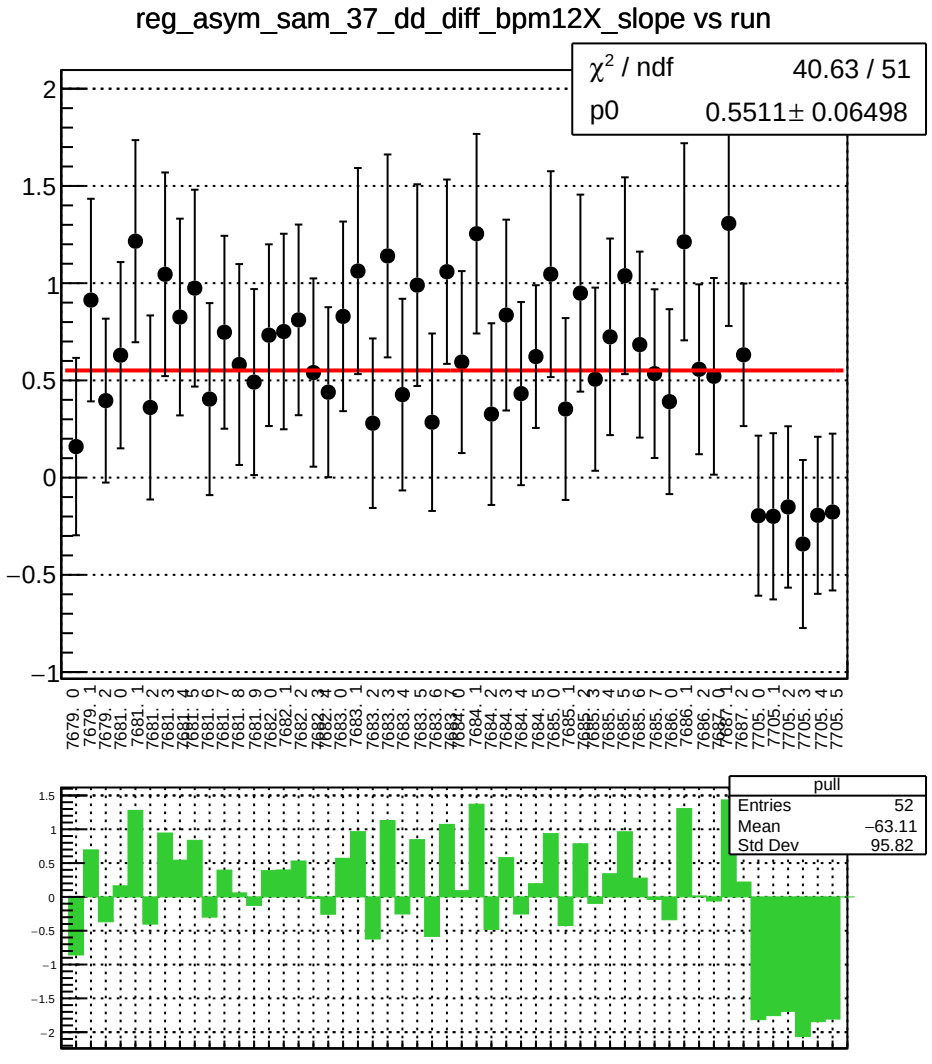

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 20.38 / 51
p0 −26.17 ± 0.5669
pull
Entries 52
Mean 52.14
Std Dev 12.64

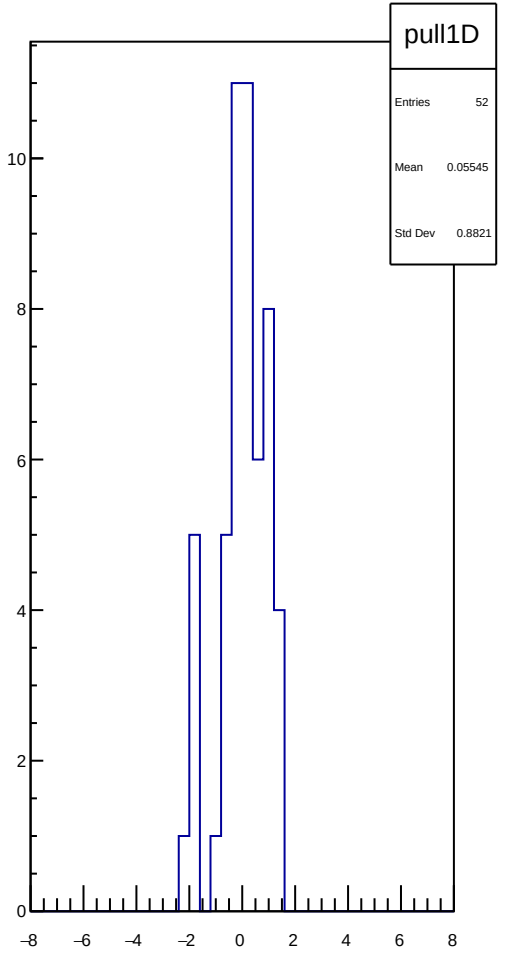

pull1D
Entries 52
Mean −0.07693
Std Dev 0.6213

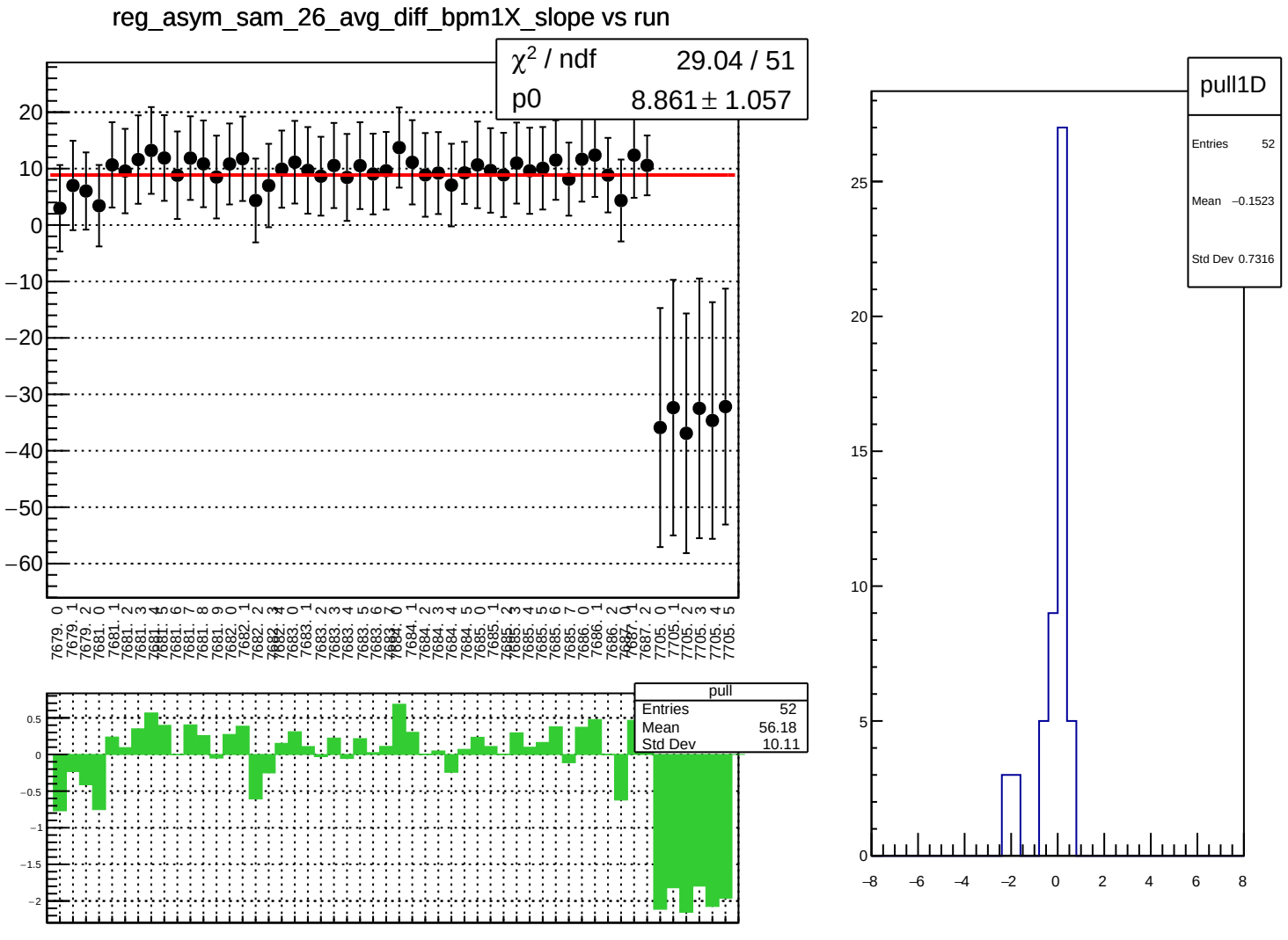

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.313 / 51
p0 −6.623 ± 0.9359
pull
Entries 52
Mean 116.3
Std Dev 81.38
pull1D
Entries 52
Mean 0.01495
Std Dev 0.2104

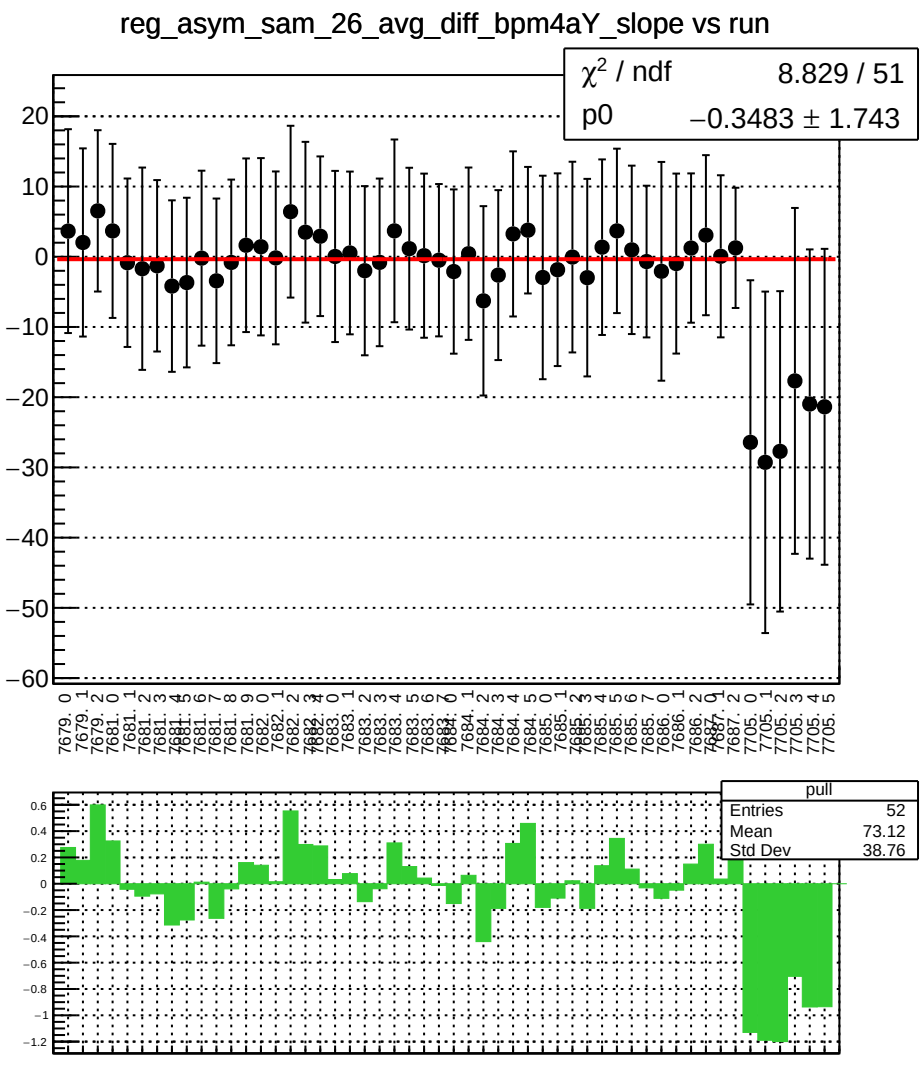

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.07 / 51
p0 −13.41 ± 0.4575
pull
Entries 52
Mean 51.36
Std Dev 11.11
pull1D
Entries 52
Mean 0.09935
Std Dev 0.6438

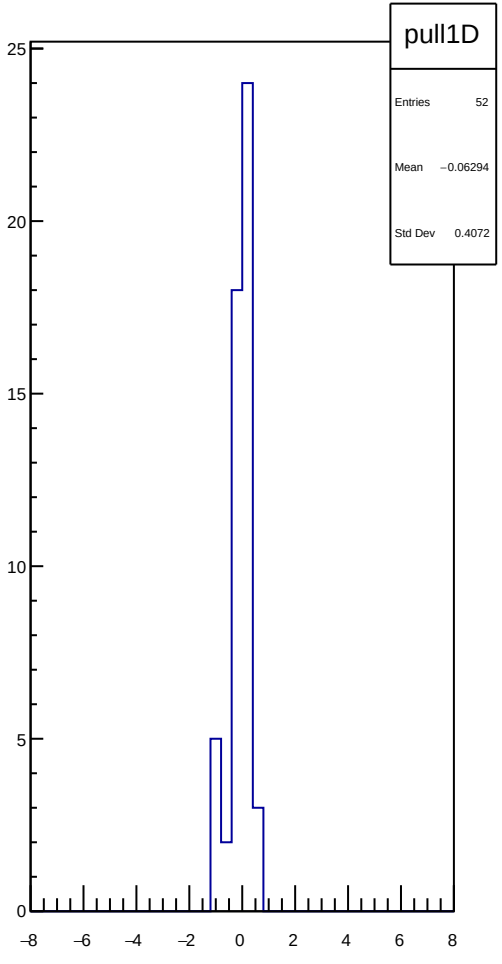

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.354 / 51
p0 20.76 ± 1.372
pull
Entries 52
Mean 159.3
Std Dev 123.6
pull1D
Entries 52
Mean −0.008976
Std Dev 0.2126

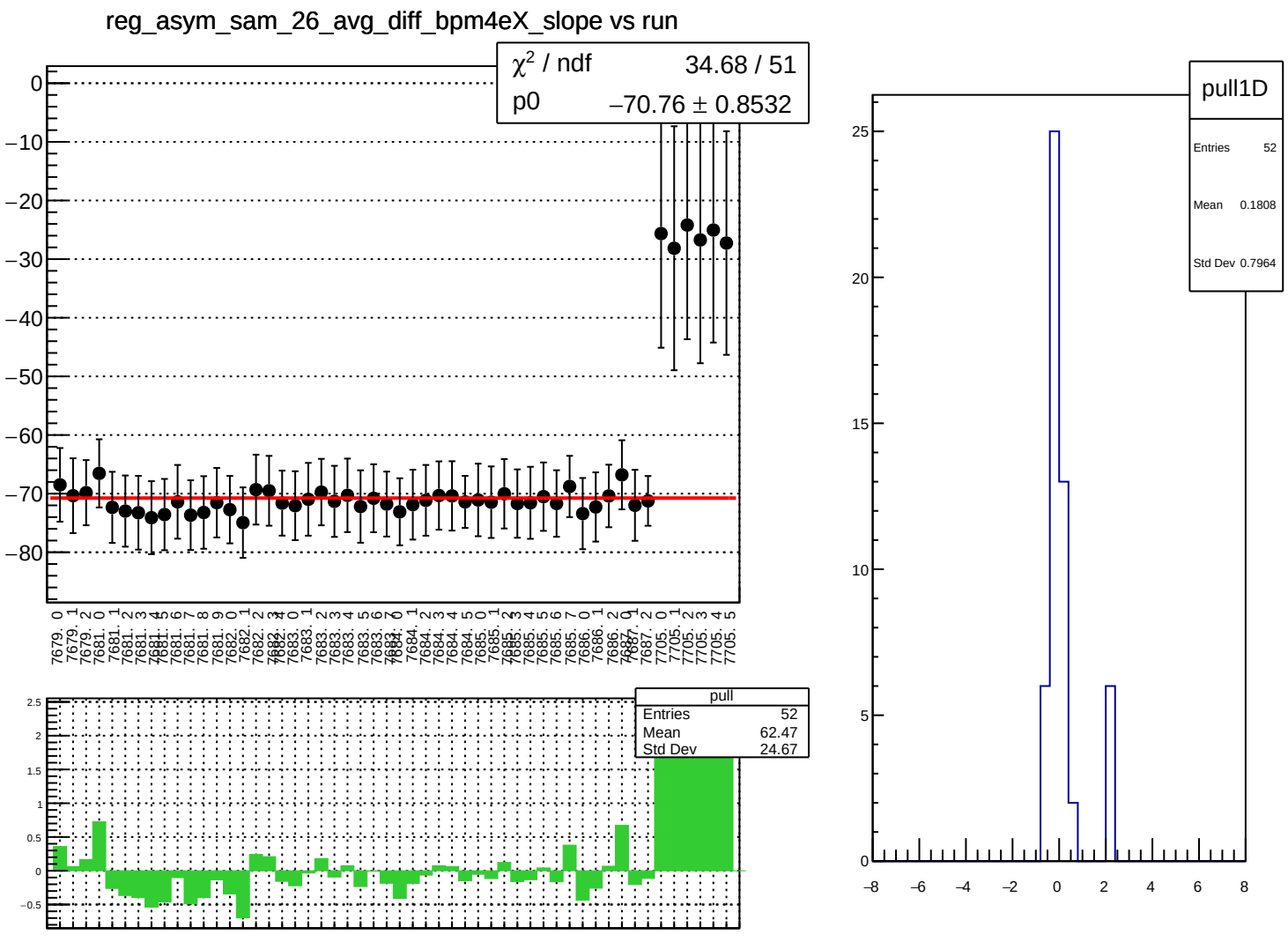

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 40.63 / 51
p0 0.5511± 0.06498
pull
Entries 52
Mean −63.11
Std Dev 95.82

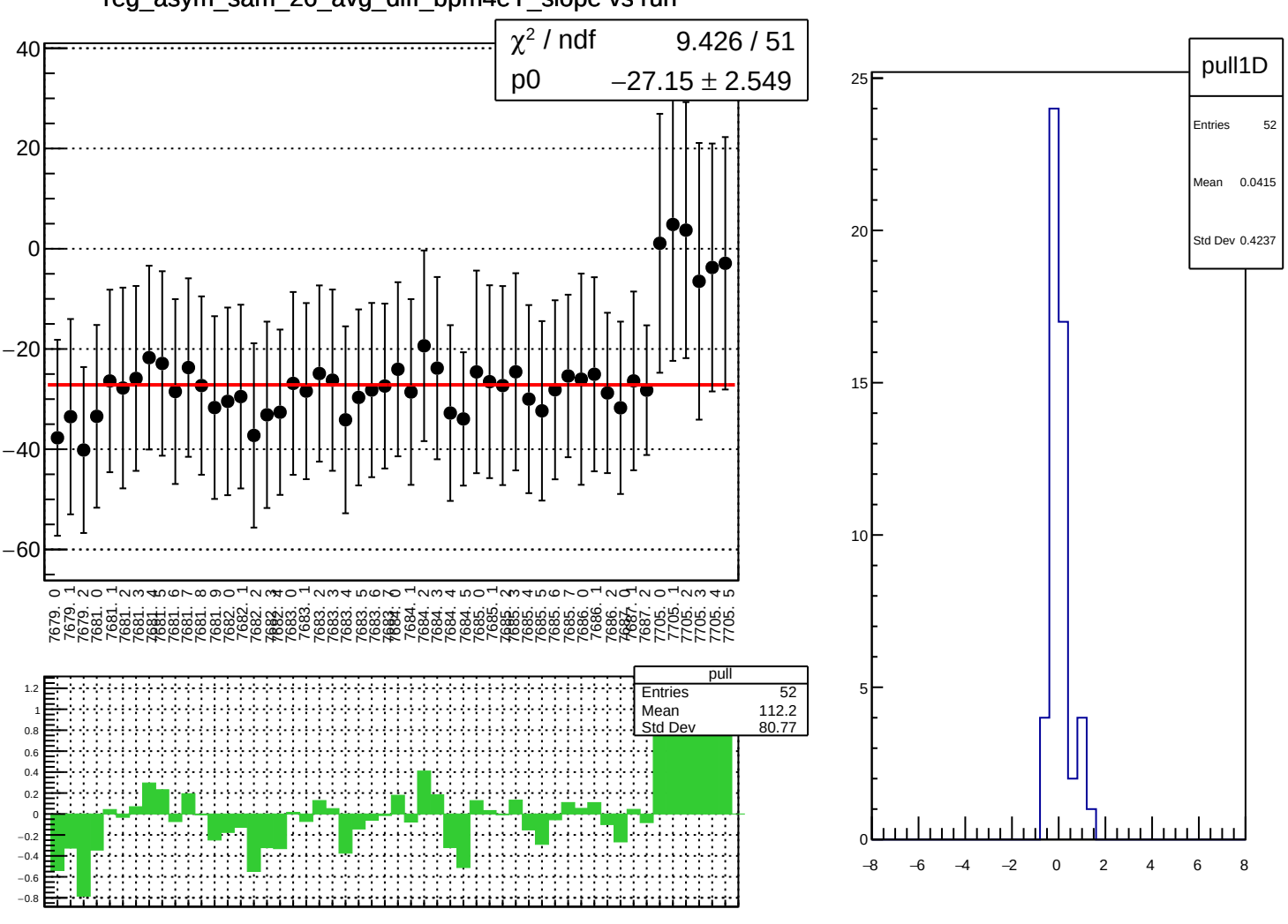

pull1D
Entries 52
Mean 0.05545
Std Dev 0.8821

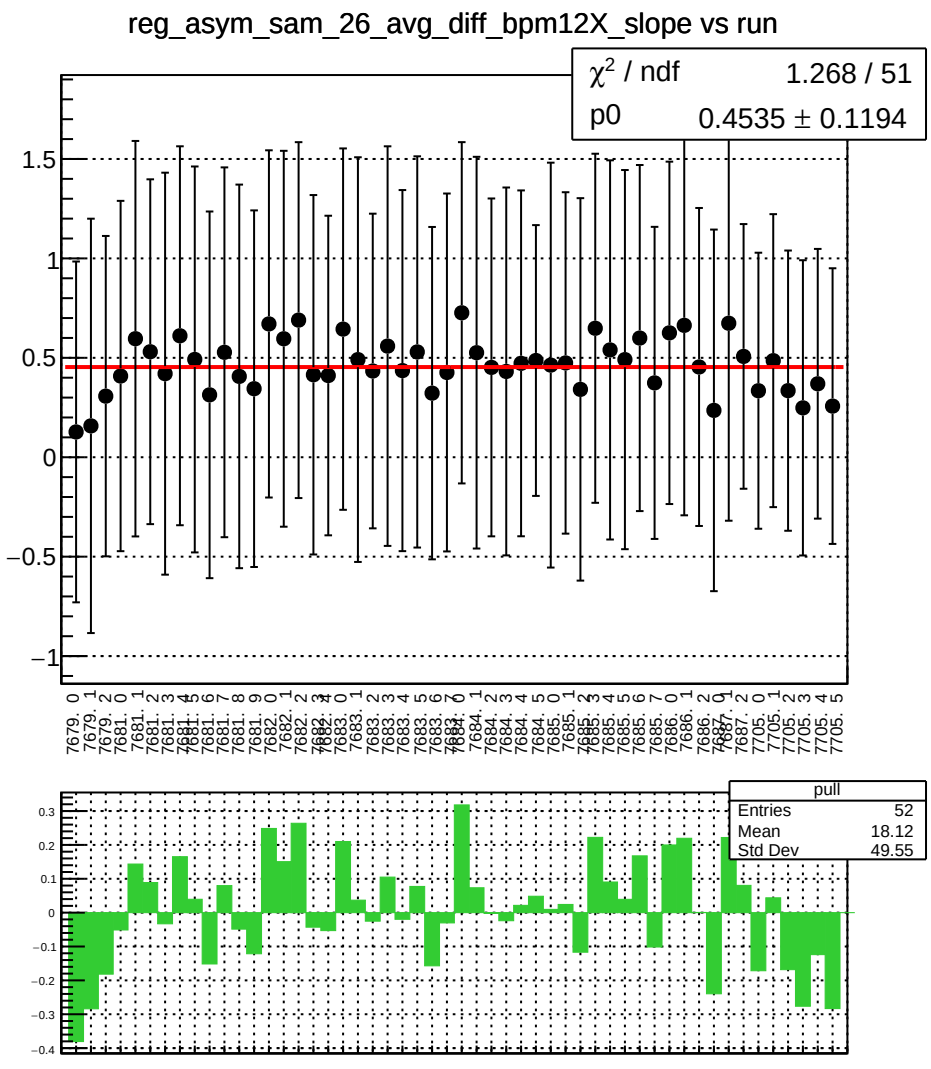

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 29.04 / 51
p0 8.861 ± 1.057
pull
Entries 52
Mean 56.18
Std Dev 10.11
pull1D
Entries 52
Mean −0.1523
Std Dev 0.7316

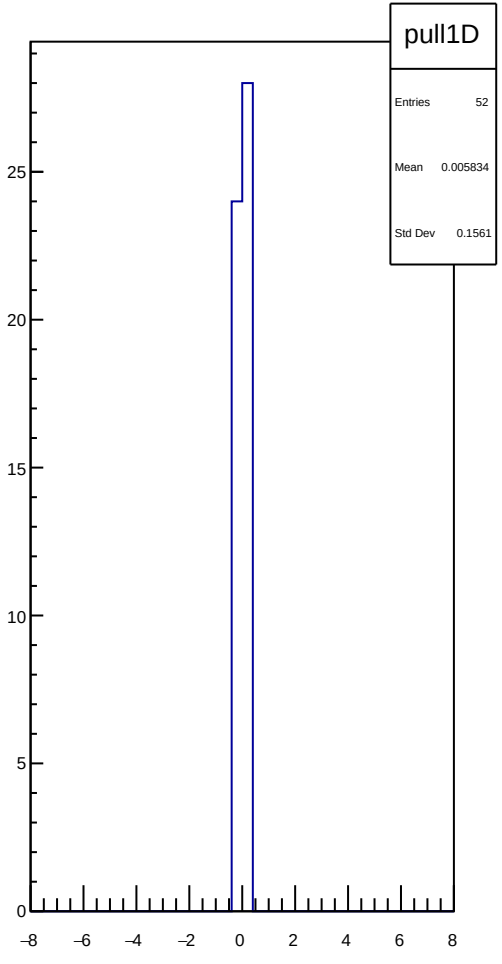

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.829 / 51
p0 −0.3483 ± 1.743
pull
Entries 52
Mean 73.12
Std Dev 38.76

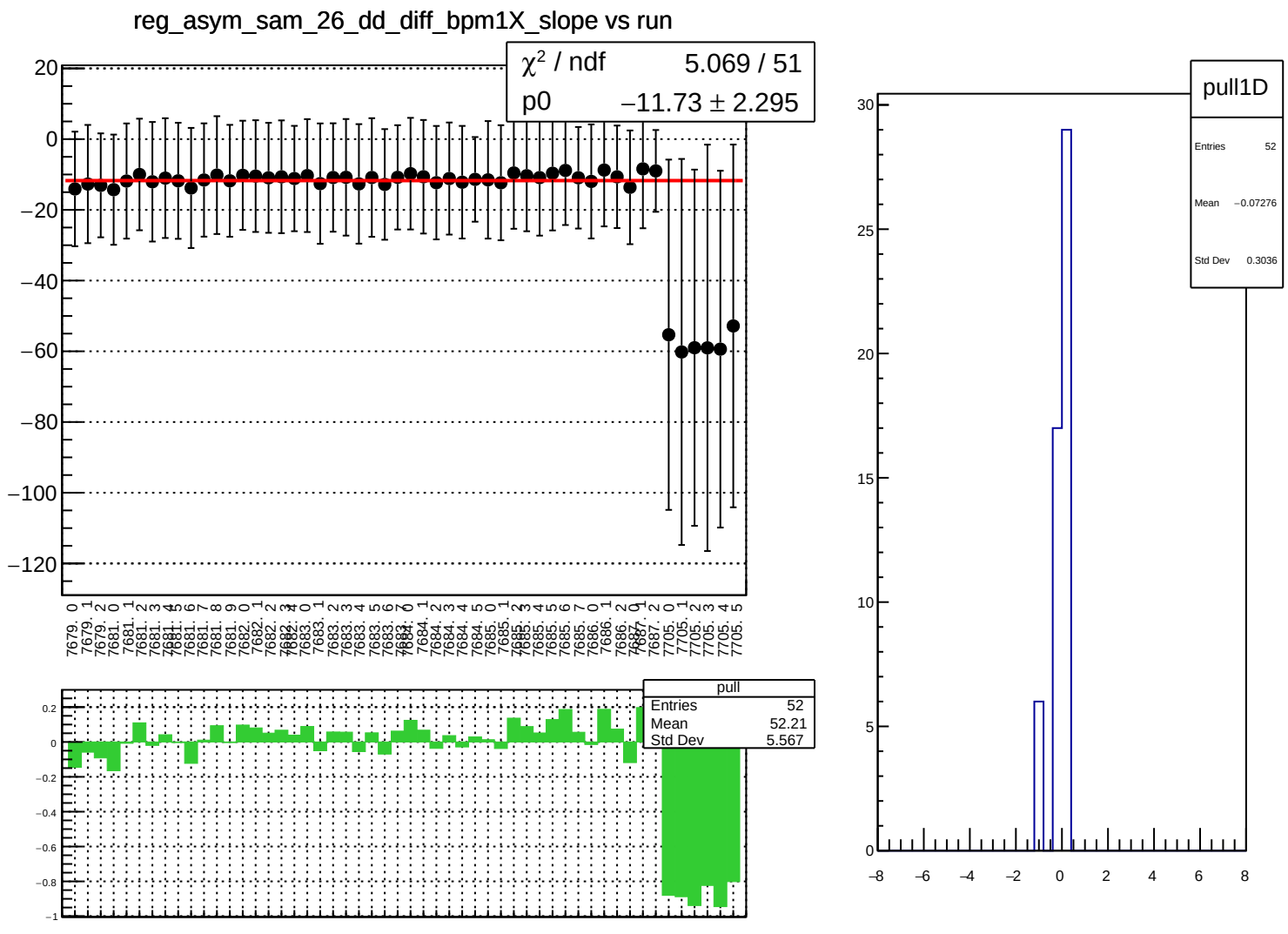

pull1D
Entries 52
Mean −0.06294
Std Dev 0.4072

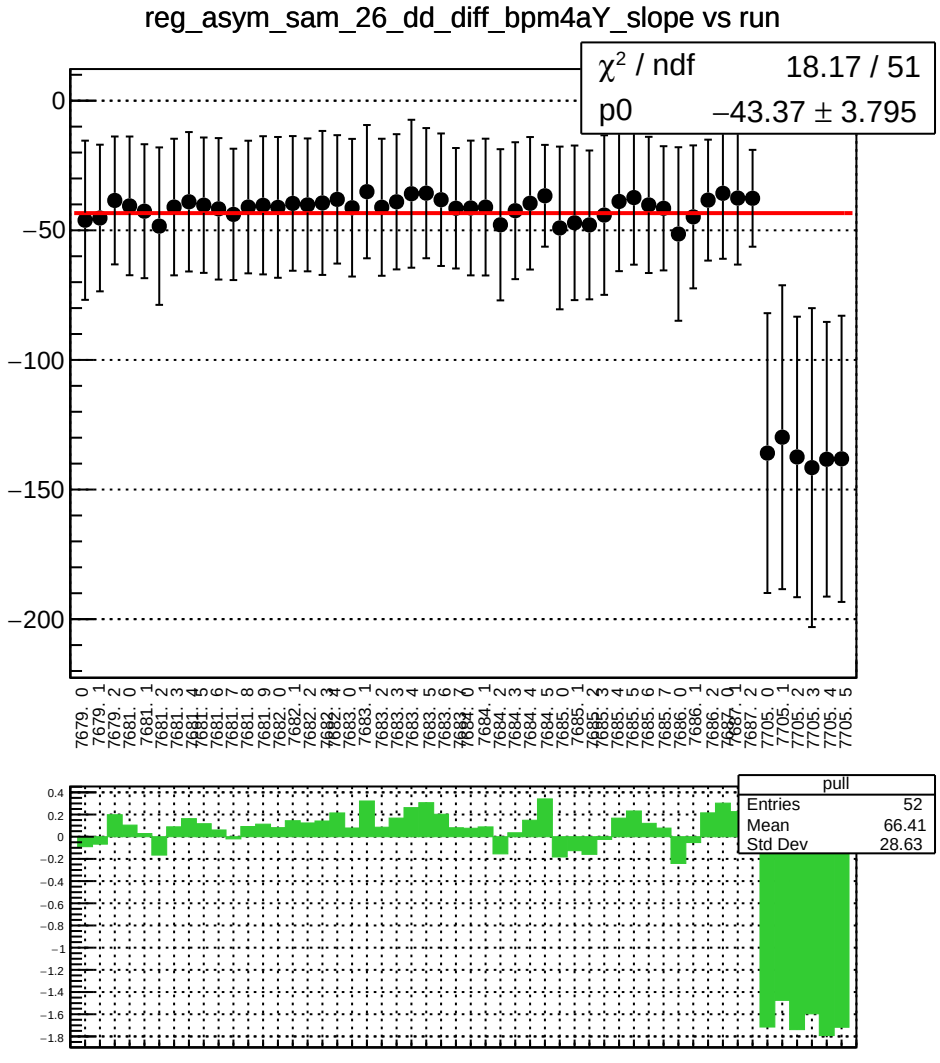

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.68 / 51
p0 −70.76 ± 0.8532
pull
Entries 52
Mean 62.47
Std Dev 24.67
pull1D
Entries 52
Mean 0.1808
Std Dev 0.7964

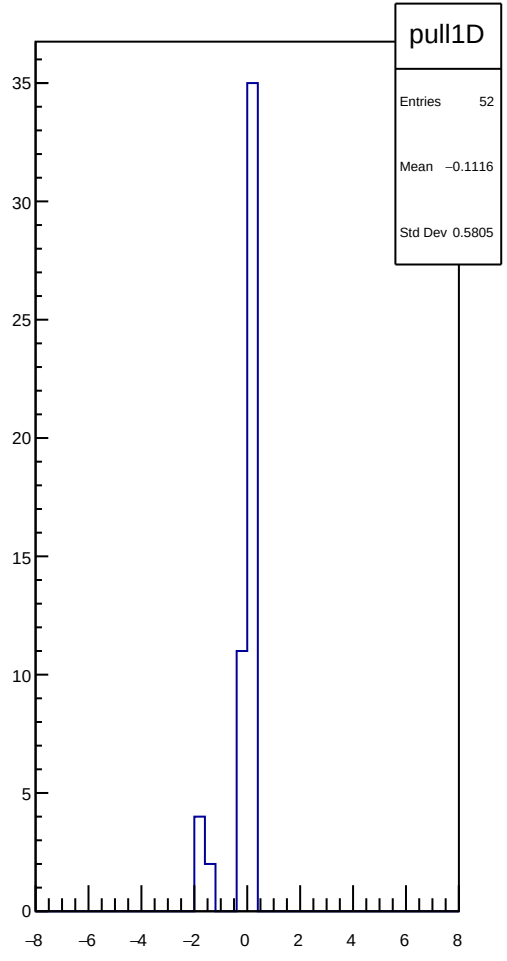

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.426 / 51
p0 −27.15 ± 2.549
pull
Entries 52
Mean 112.2
Std Dev 80.77
pull1D
Entries 52
Mean 0.0415
Std Dev 0.4237

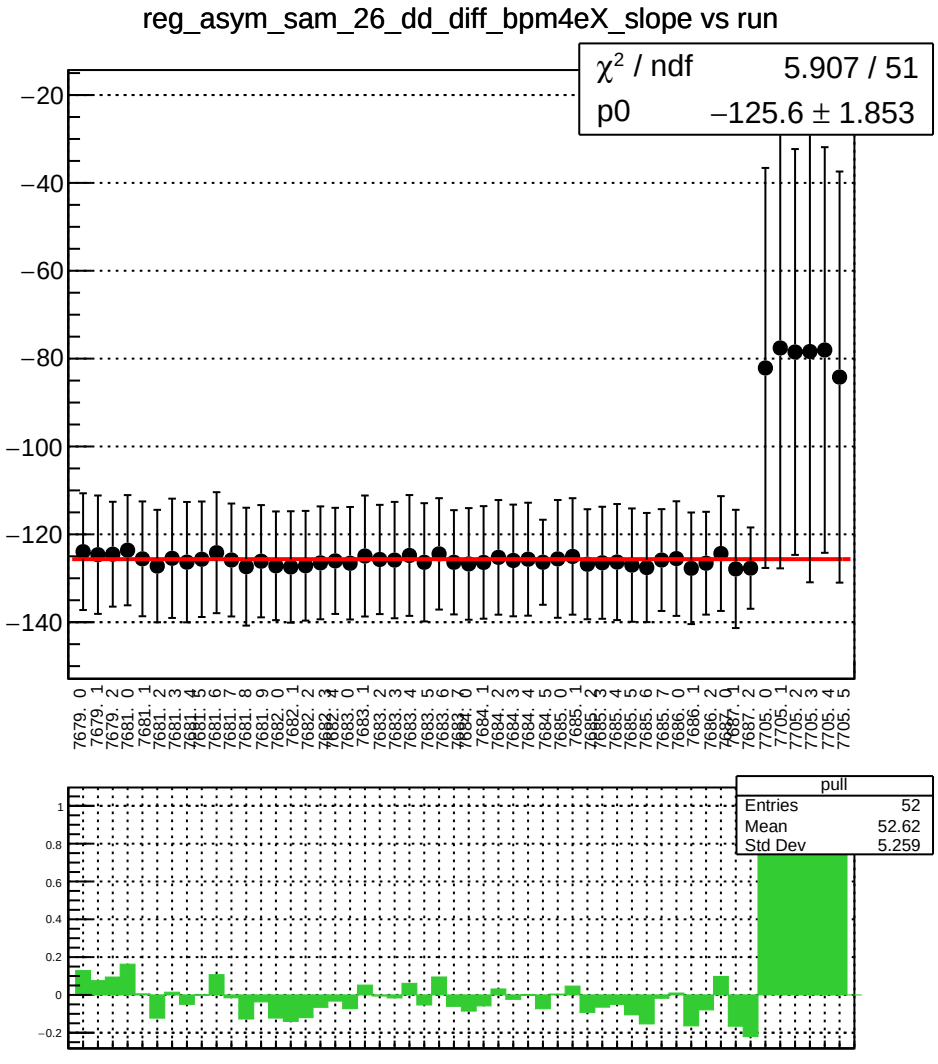

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.268 / 51
p0 0.4535 ± 0.1194
pull
Entries 52
Mean 18.12
Std Dev 49.55

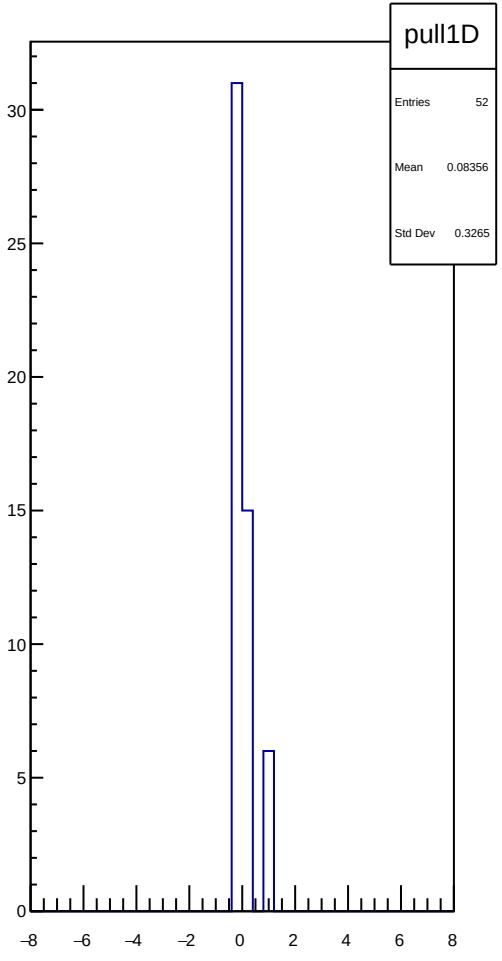

pull1D
Entries 52
Mean 0.005834
Std Dev 0.1561

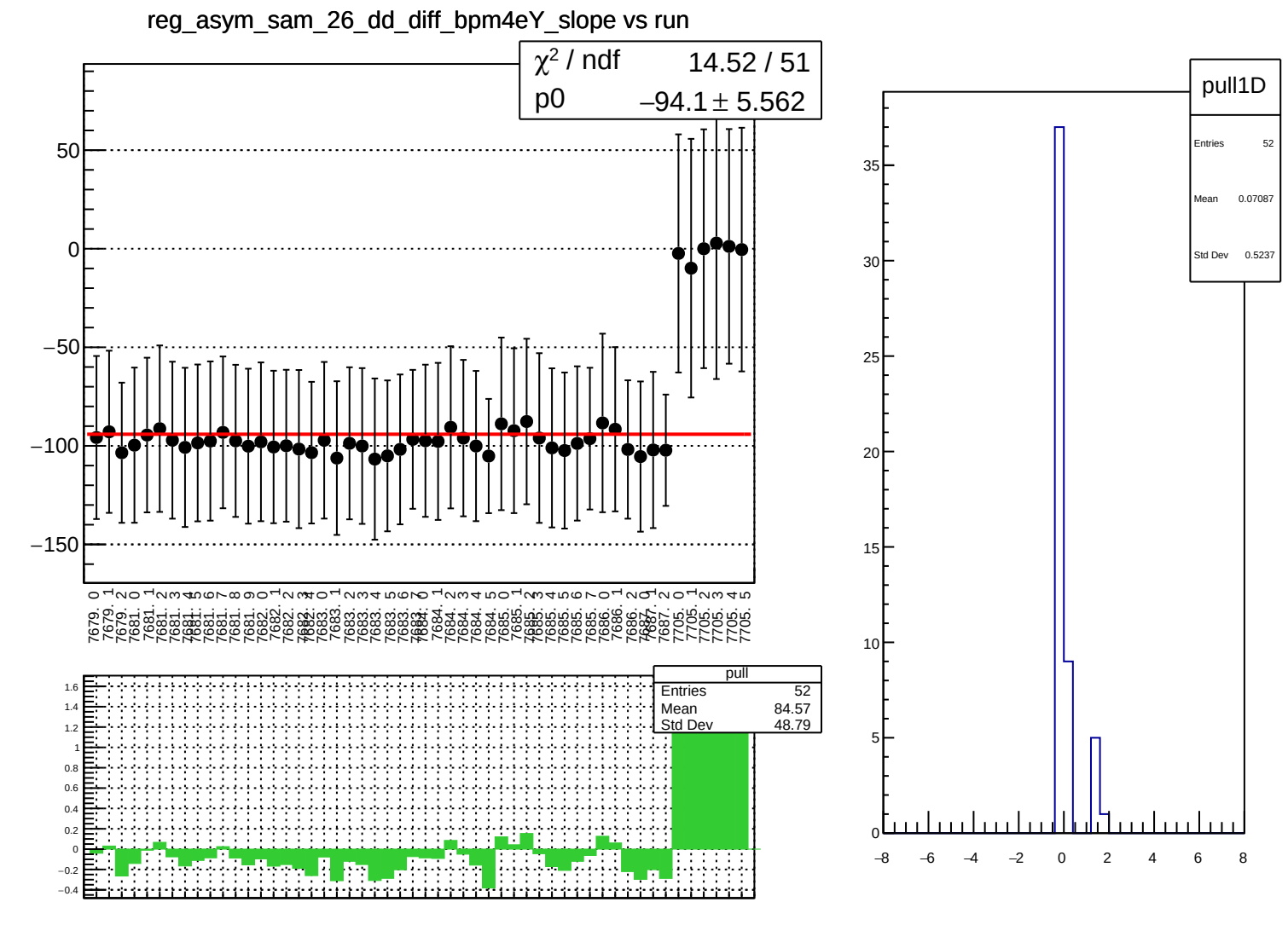

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.069 / 51
p0 −11.73 ± 2.295
pull
Entries 52
Mean 52.21
Std Dev 5.567
pull1D
Entries 52
Mean −0.07276
Std Dev 0.3036

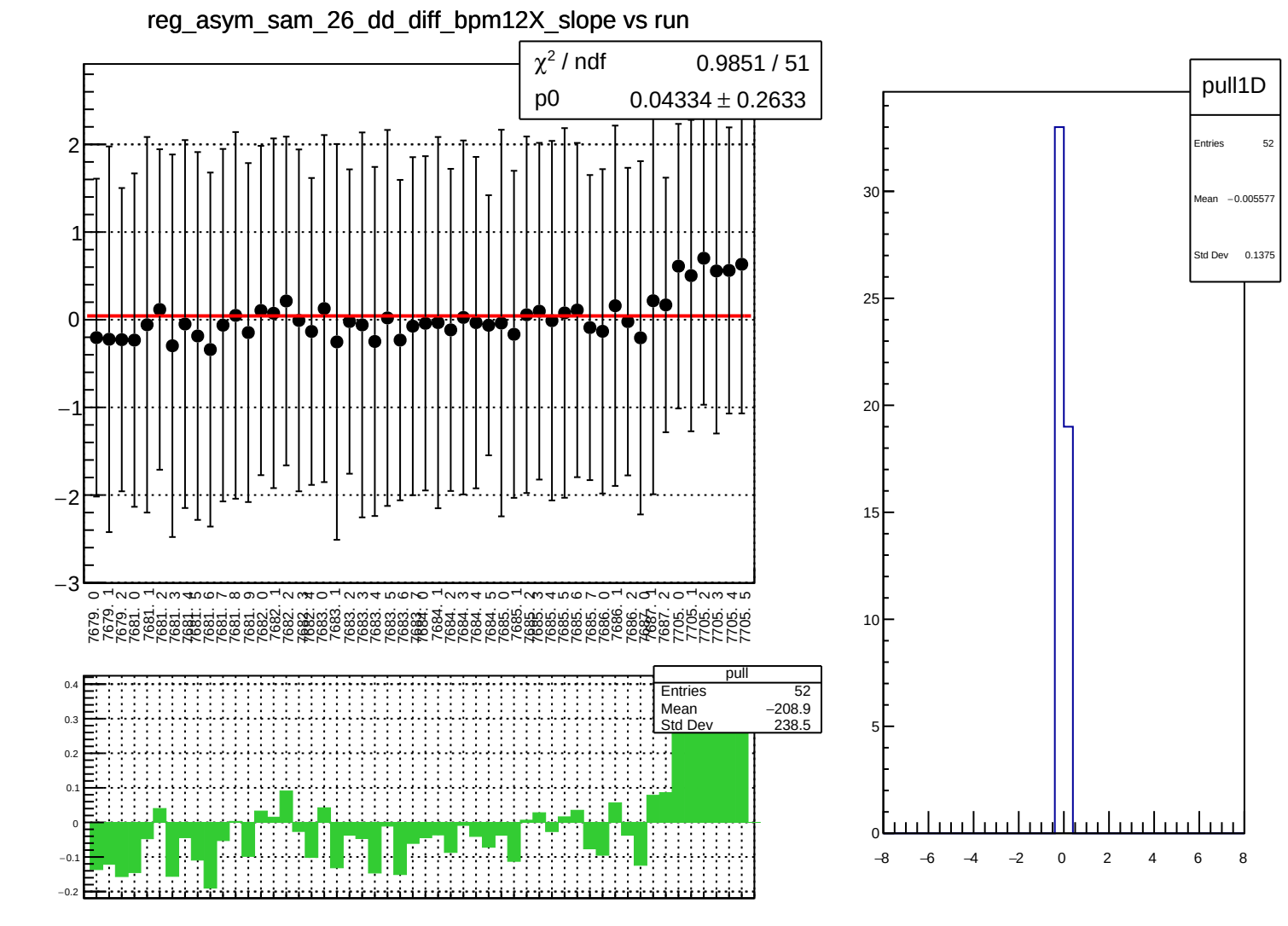

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.17 / 51
p0 −43.37 ± 3.795
pull
Entries 52
Mean 66.41
Std Dev 28.63

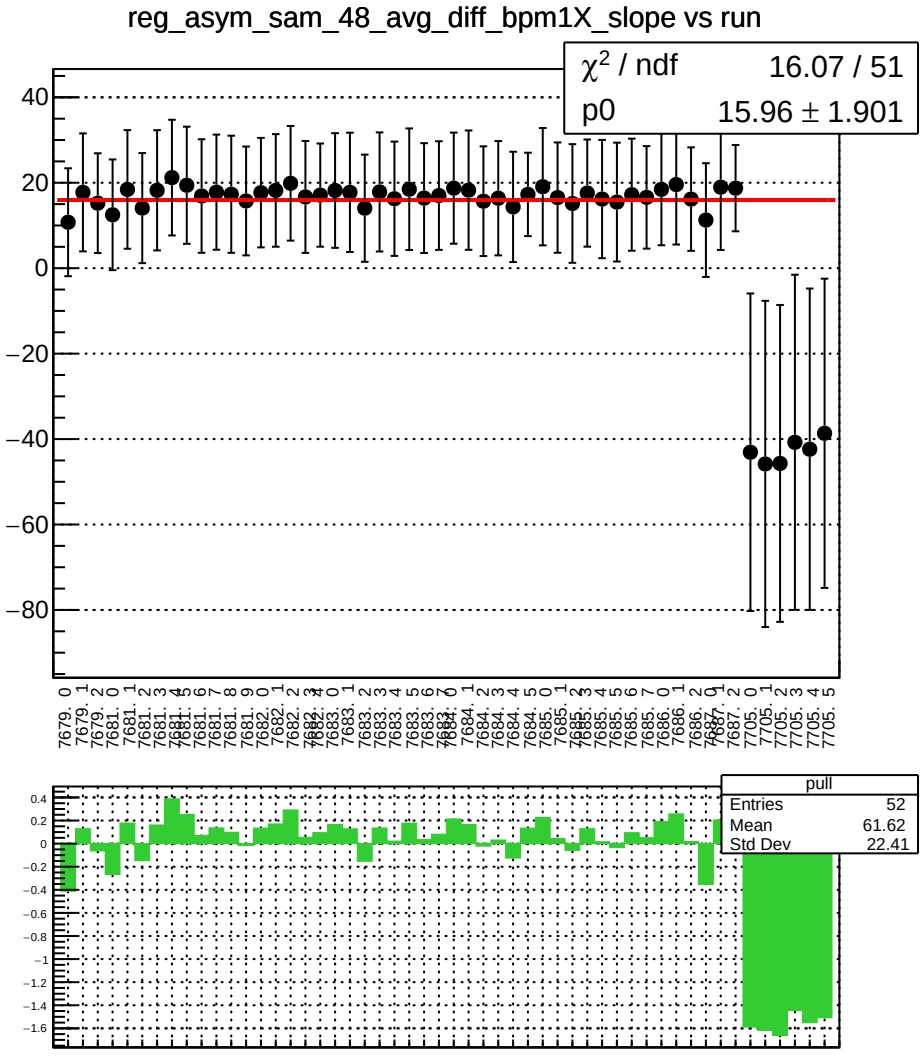

pull1D
Entries 52
Mean −0.1116
Std Dev 0.5805

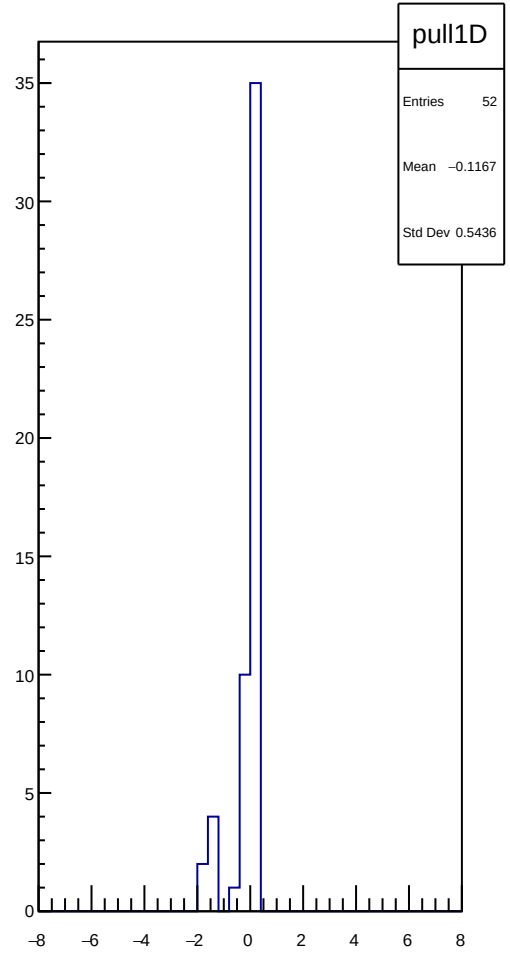

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.907 / 51
p0 −125.6 ± 1.853
pull
Entries 52
Mean 52.62
Std Dev 5.259

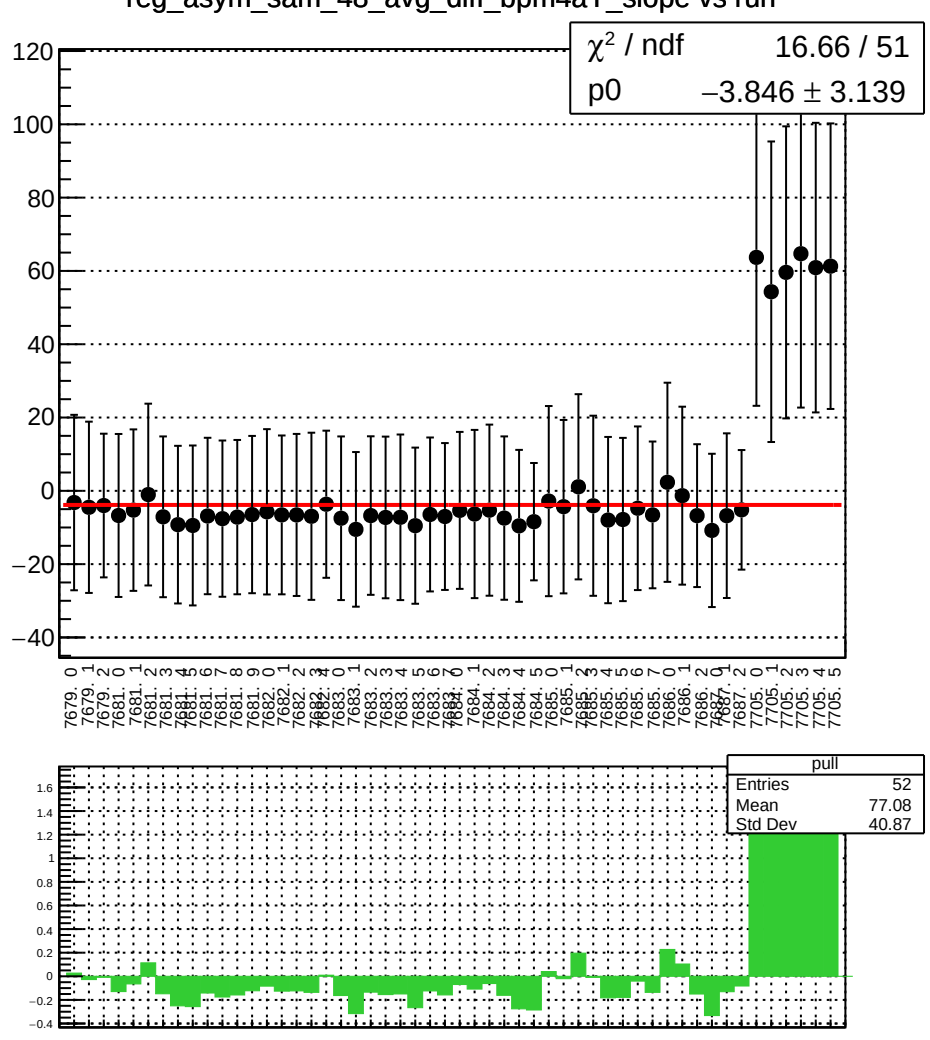

pull1D
Entries 52
Mean 0.08356
Std Dev 0.3265

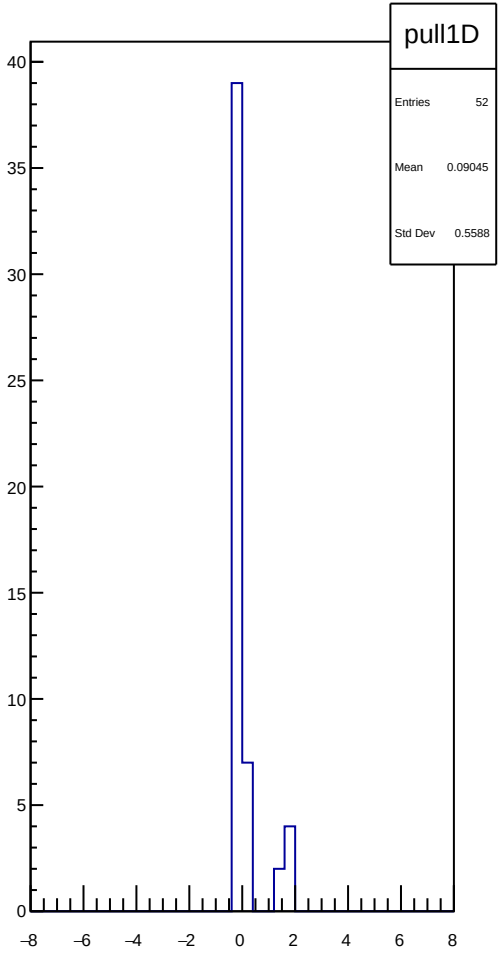

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.52 / 51
p0 −94.1 ± 5.562
pull
Entries 52
Mean 84.57
Std Dev 48.79
pull1D
Entries 52
Mean 0.07087
Std Dev 0.5237

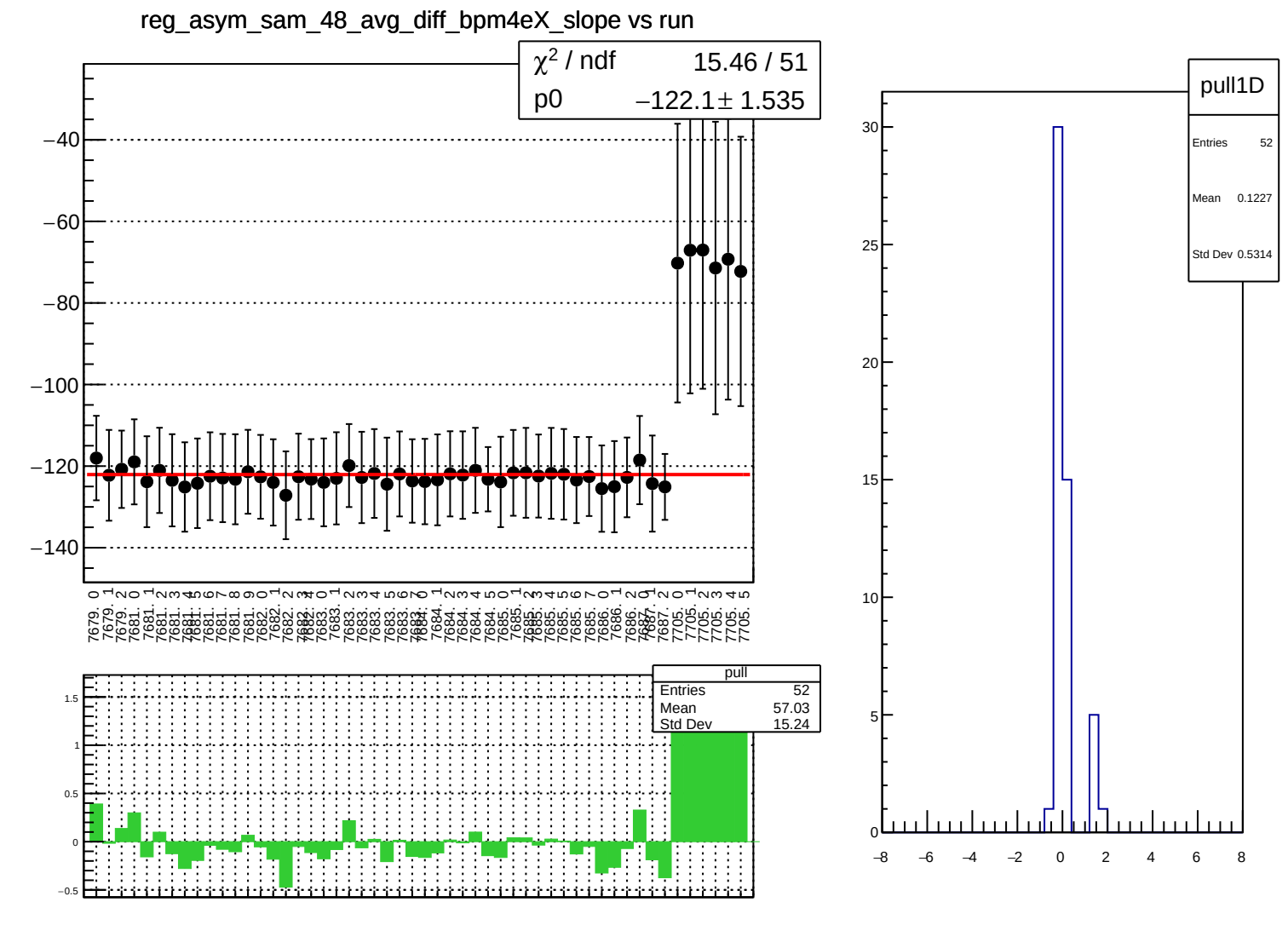

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9851 / 51
p0 0.04334 ± 0.2633
pull
Entries 52
Mean −208.9
Std Dev 238.5
pull1D
Entries 52
Mean −0.005577
Std Dev 0.1375

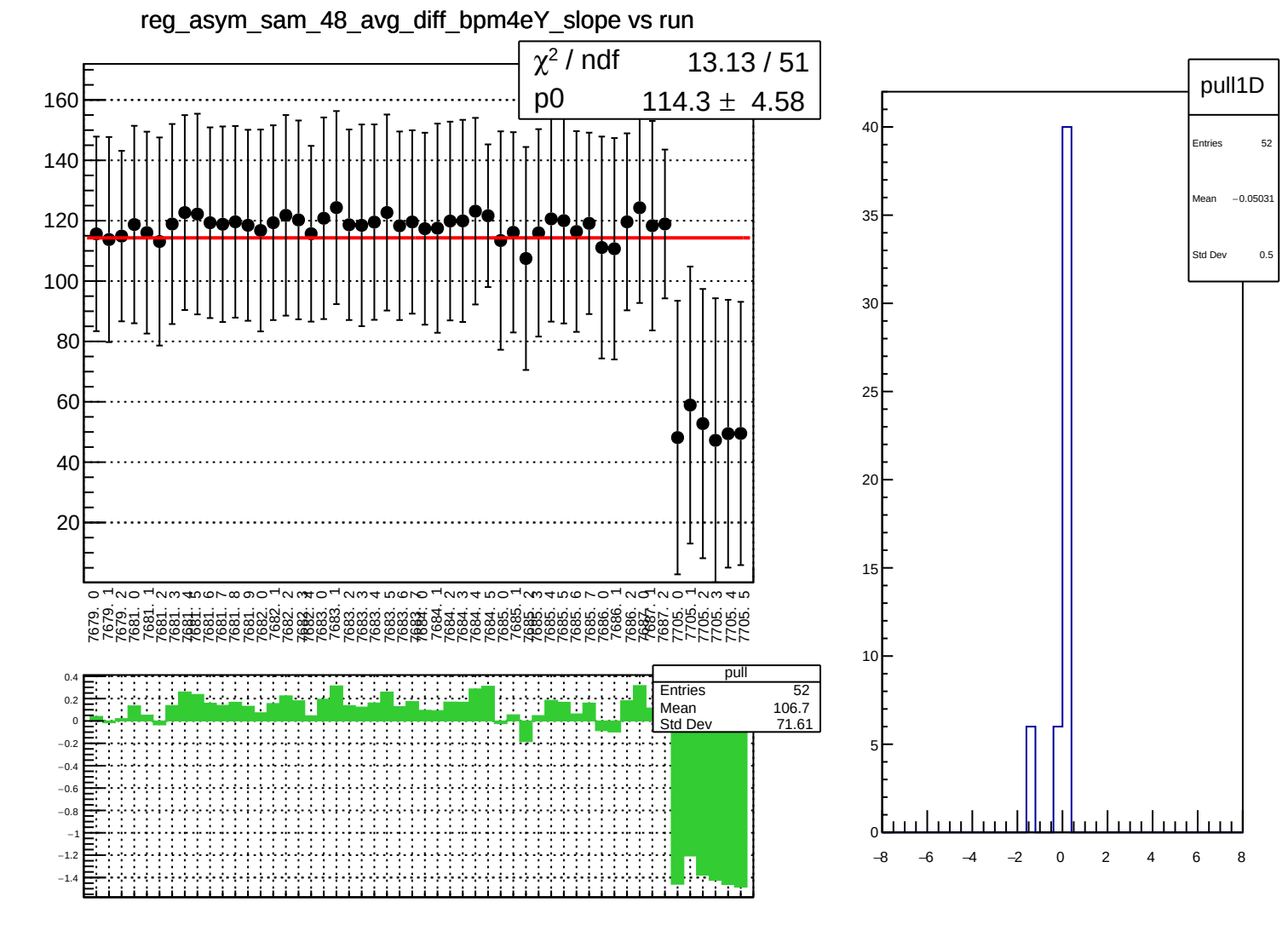

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 16.07 / 51
p0 15.96 ± 1.901
pull
Entries 52
Mean 61.62
Std Dev 22.41

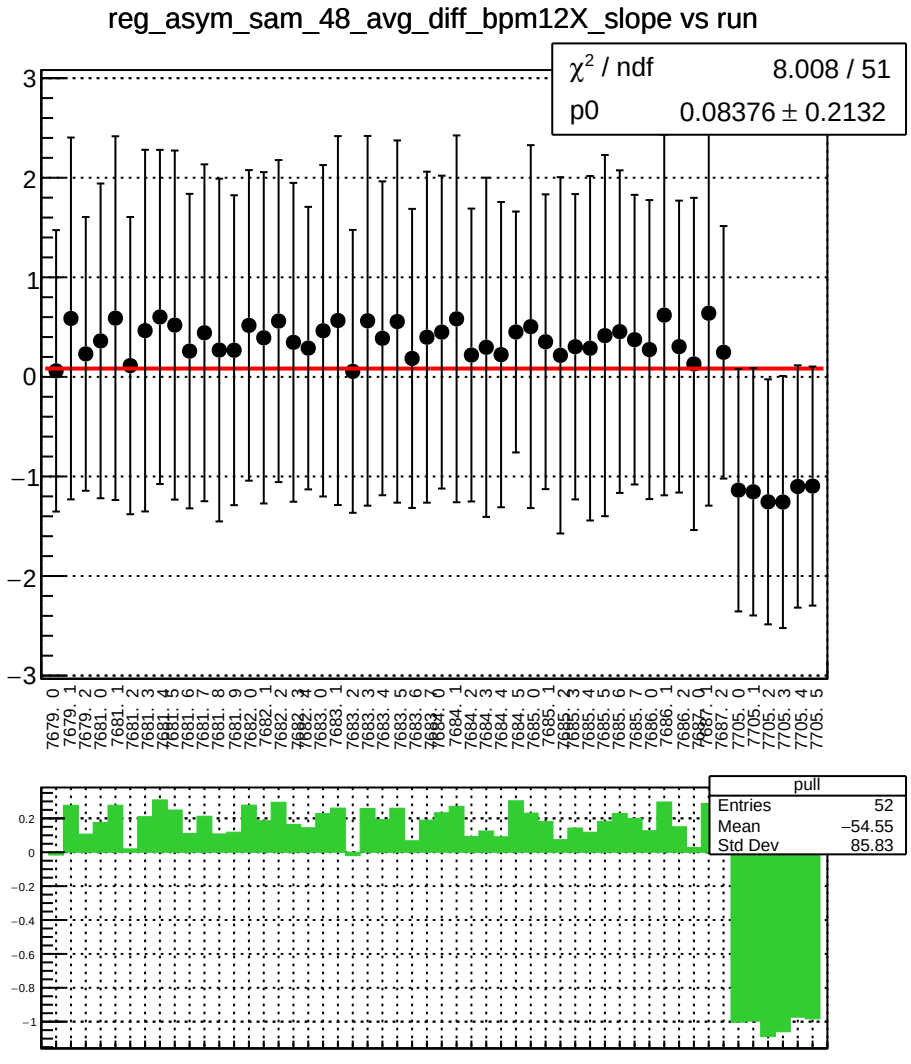

pull1D
Entries 52
Mean −0.1167
Std Dev 0.5436

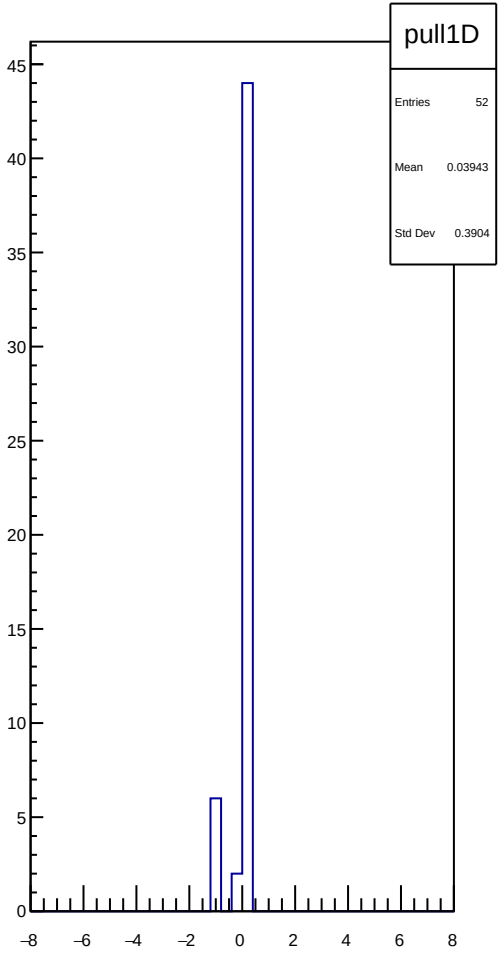

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.66 / 51
p0 −3.846 ± 3.139
pull
Entries 52
Mean 77.08
Std Dev 40.87

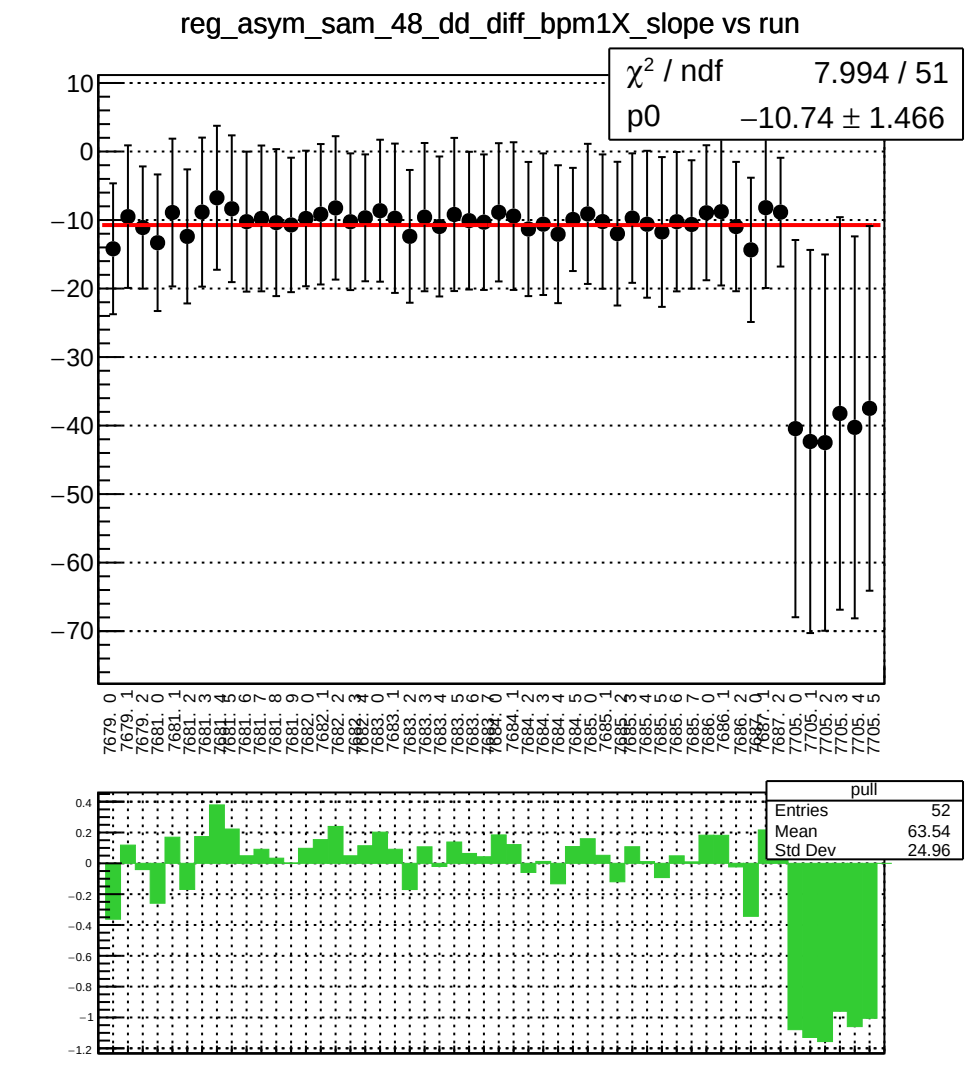

pull1D
Entries 52
Mean 0.09045
Std Dev 0.5588

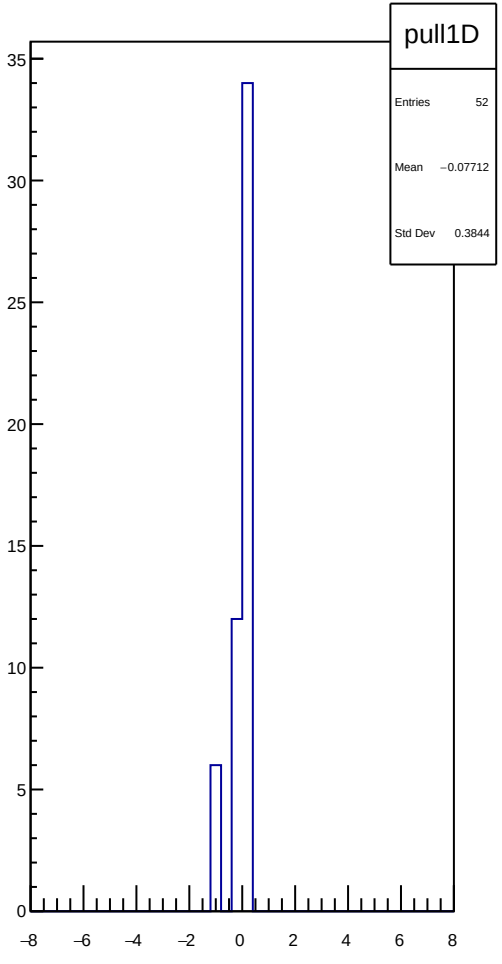

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.46 / 51
p0 −122.1± 1.535
pull
Entries 52
Mean 57.03
Std Dev 15.24
pull1D
Entries 52
Mean 0.1227
Std Dev 0.5314

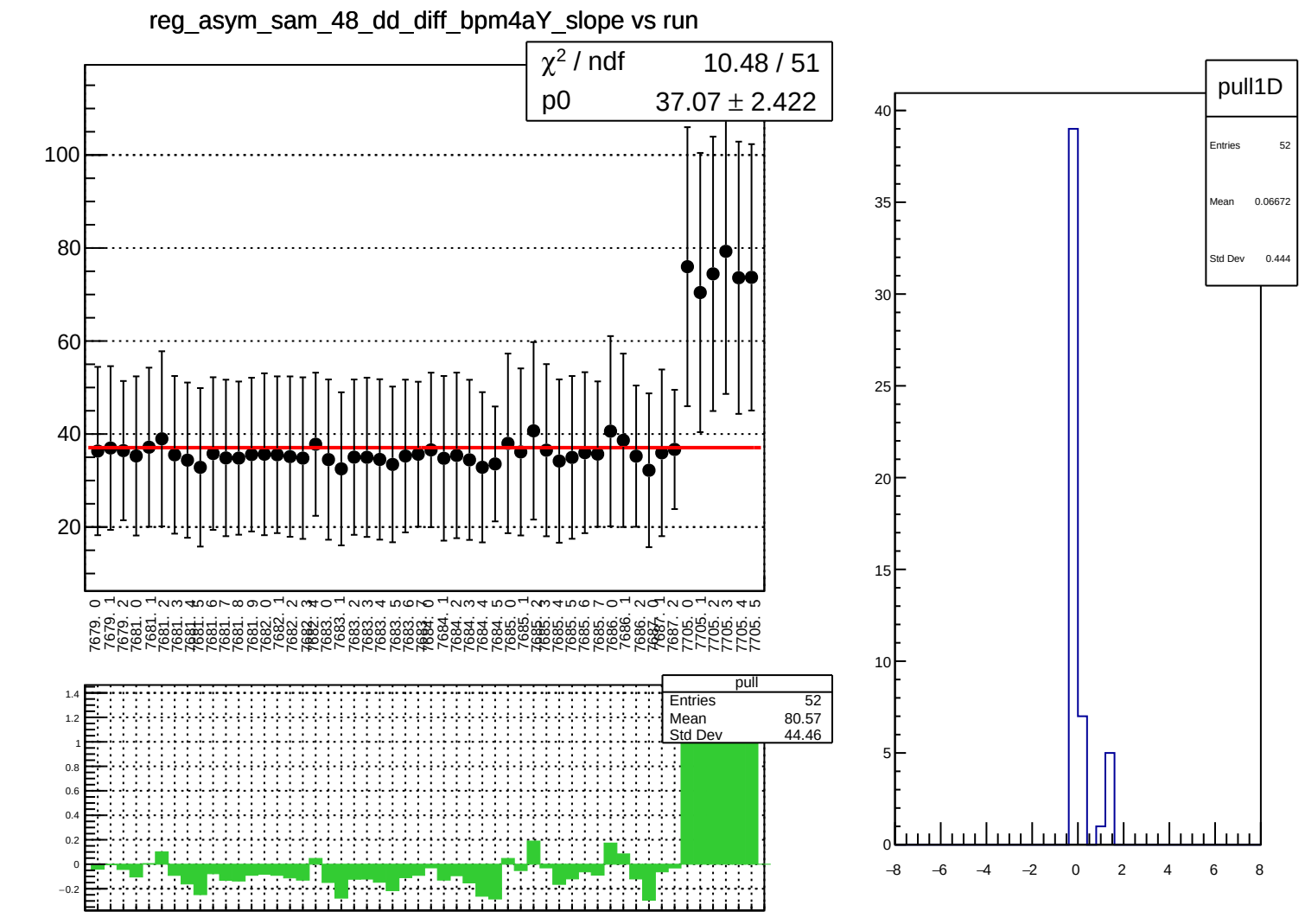

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.13 / 51
p0 114.3 ± 4.58
pull
Entries 52
Mean 106.7
Std Dev 71.61
pull1D
Entries 52
Mean −0.05031
Std Dev 0.5

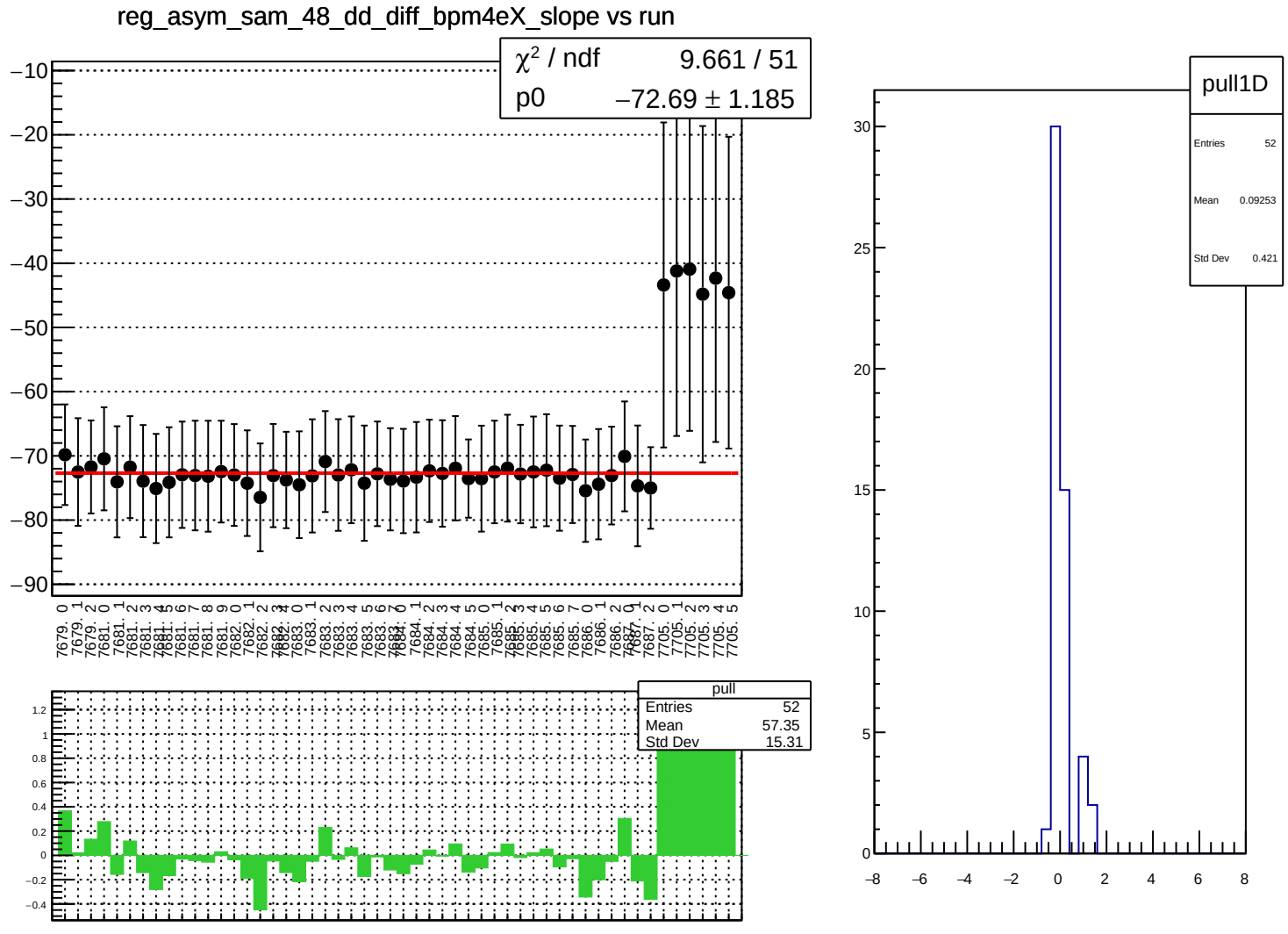

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 8.008 / 51
p0 0.08376 ± 0.2132
pull
Entries 52
Mean −54.55
Std Dev 85.83

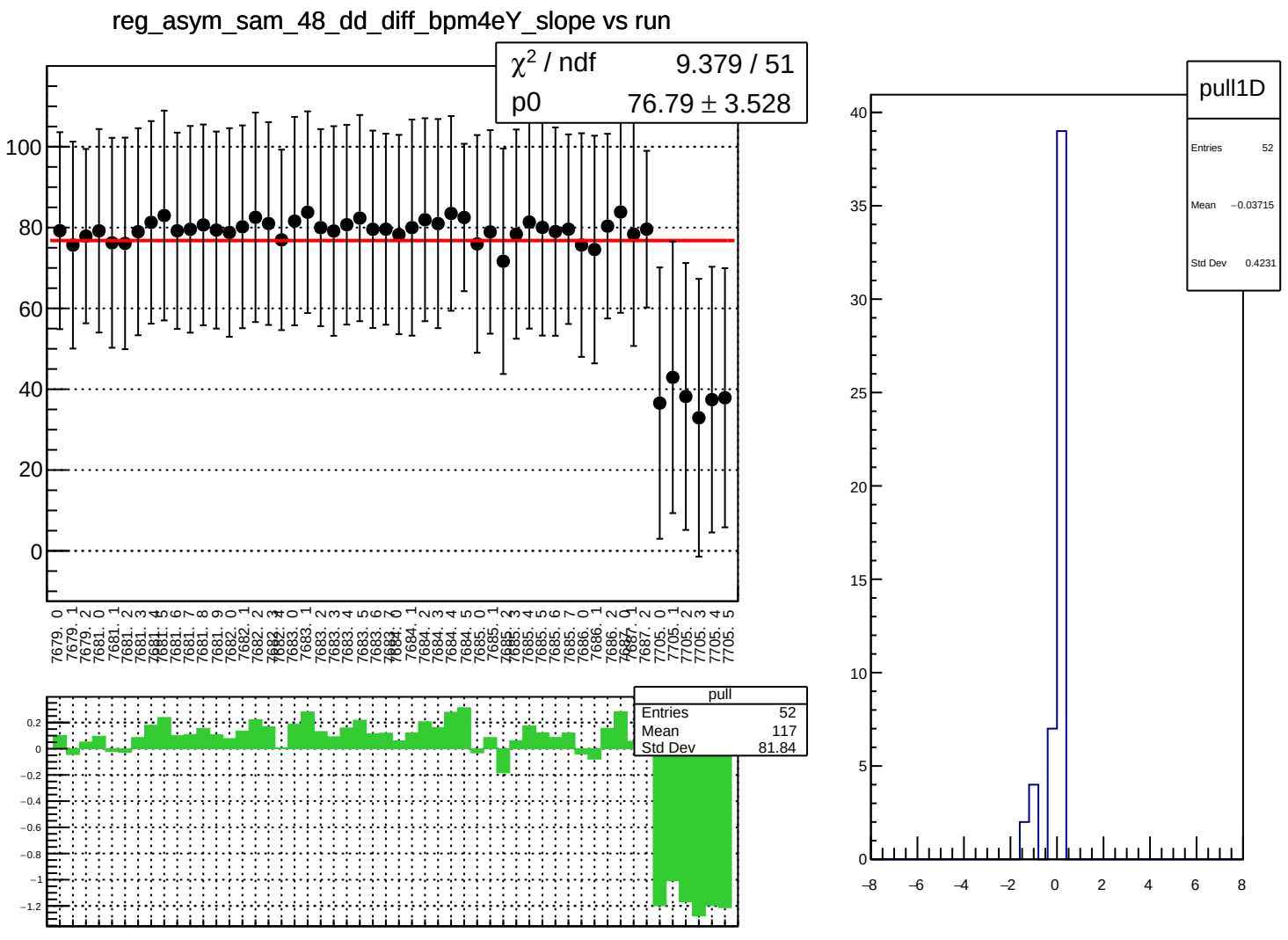

pull1D
Entries 52
Mean 0.03943
Std Dev 0.3904

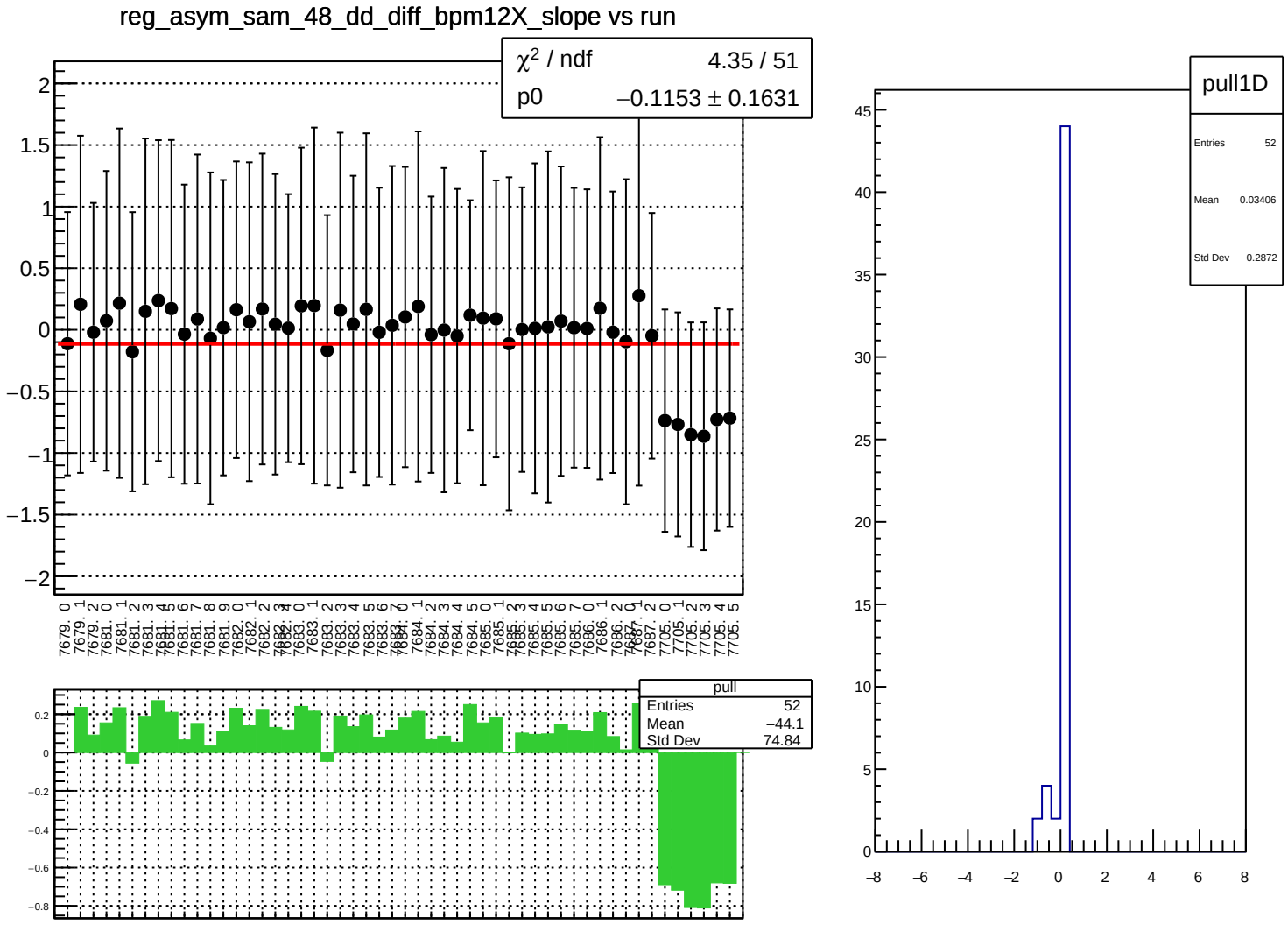

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 7.994 / 51
p0 −10.74 ± 1.466
pull
Entries 52
Mean 63.54
Std Dev 24.96

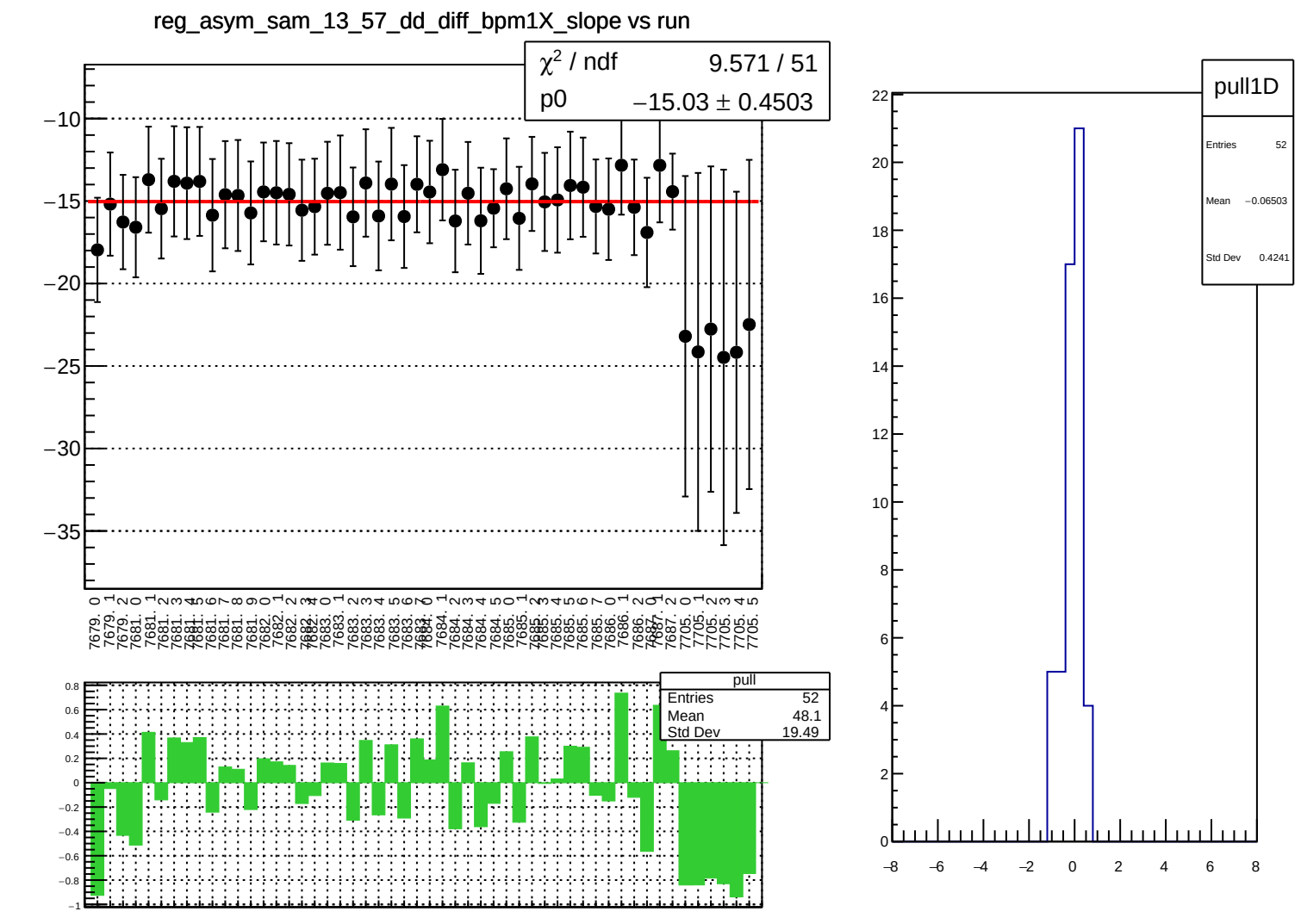

pull1D
Entries 52
Mean −0.07712
Std Dev 0.3844

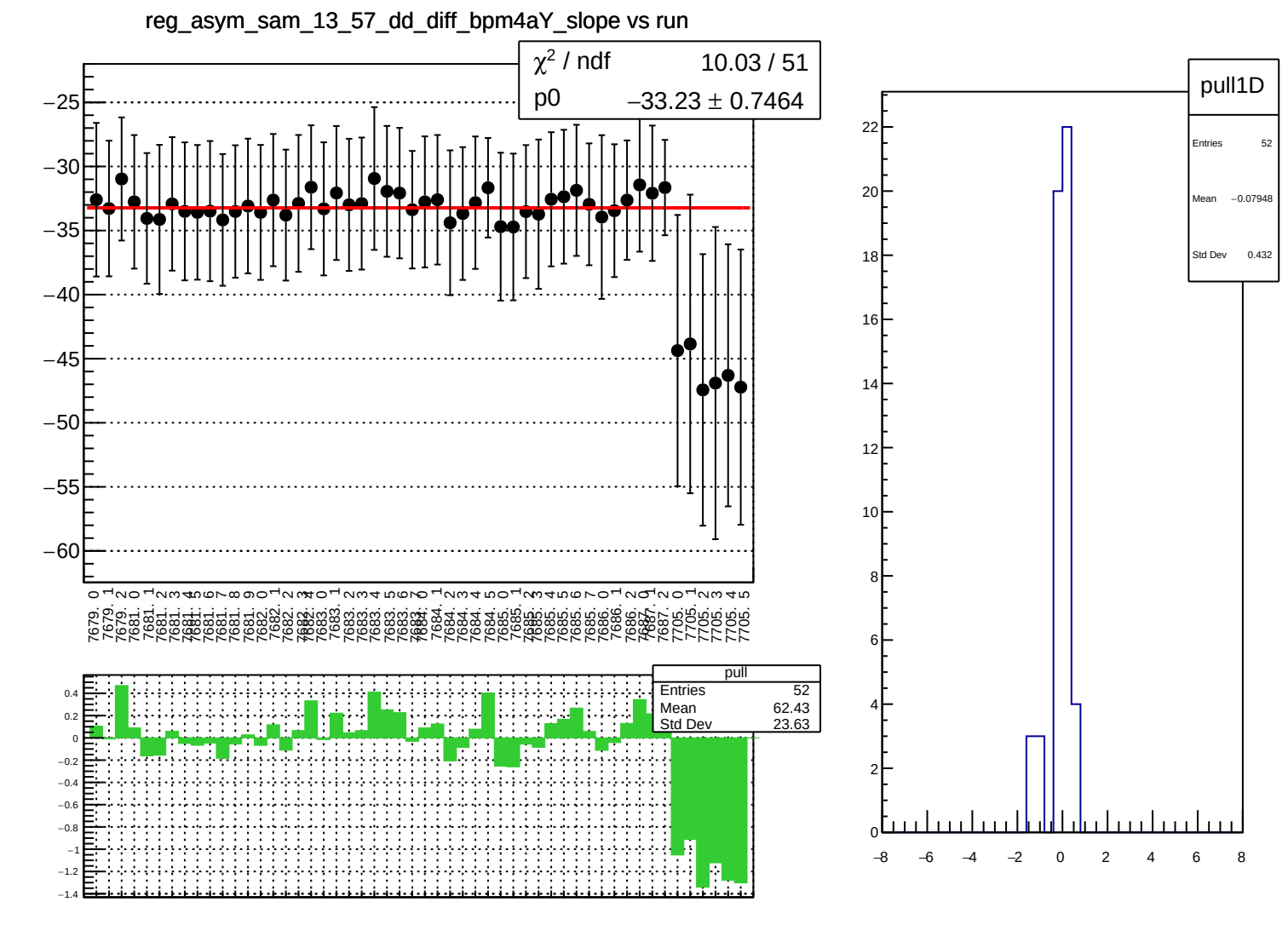

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.48 / 51
p0 37.07 ± 2.422
pull
Entries 52
Mean 80.57
Std Dev 44.46
pull1D
Entries 52
Mean 0.06672
Std Dev 0.444

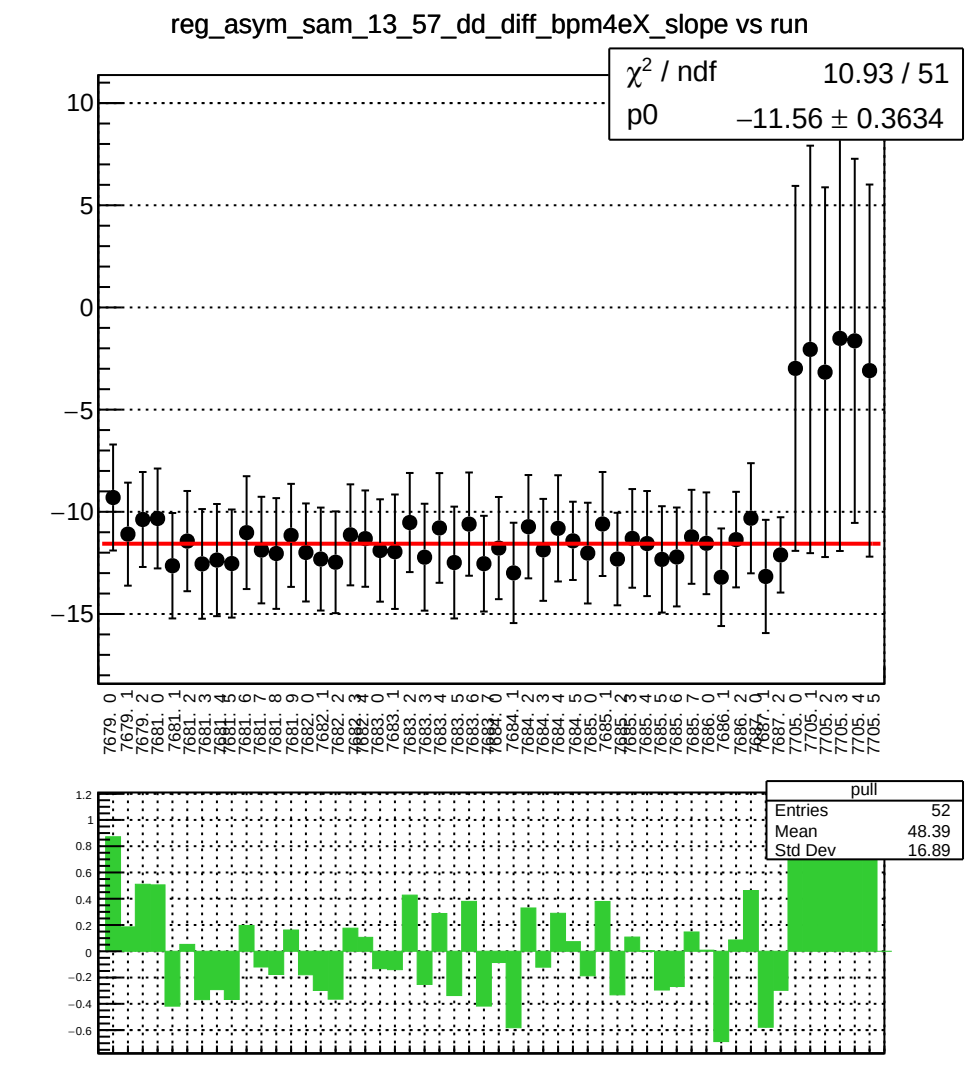

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.661 / 51
p0 −72.69 ± 1.185
pull
Entries 52
Mean 57.35
Std Dev 15.31
pull1D
Entries 52
Mean 0.09253
Std Dev 0.421

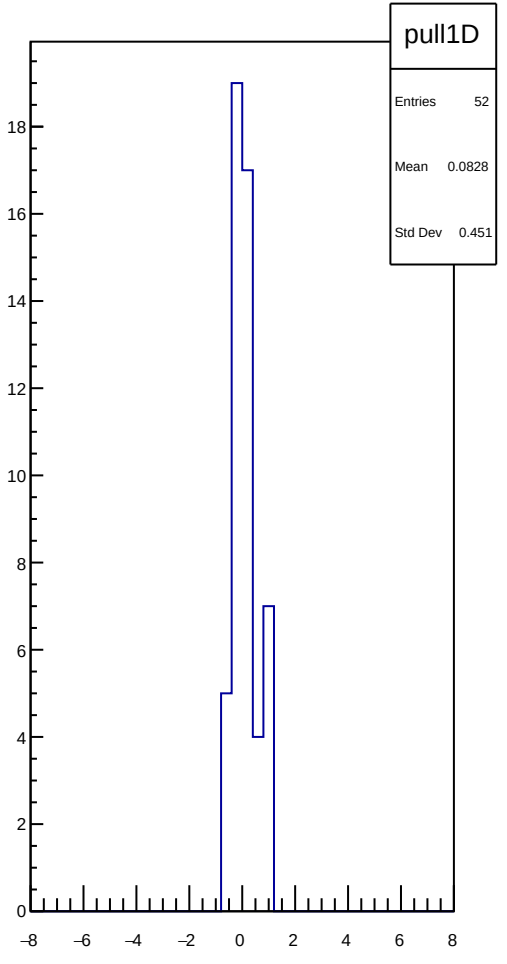

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.379 / 51
p0 76.79 ± 3.528
pull
Entries 52
Mean 117
Std Dev 81.84
pull1D
Entries 52
Mean −0.03715
Std Dev 0.4231

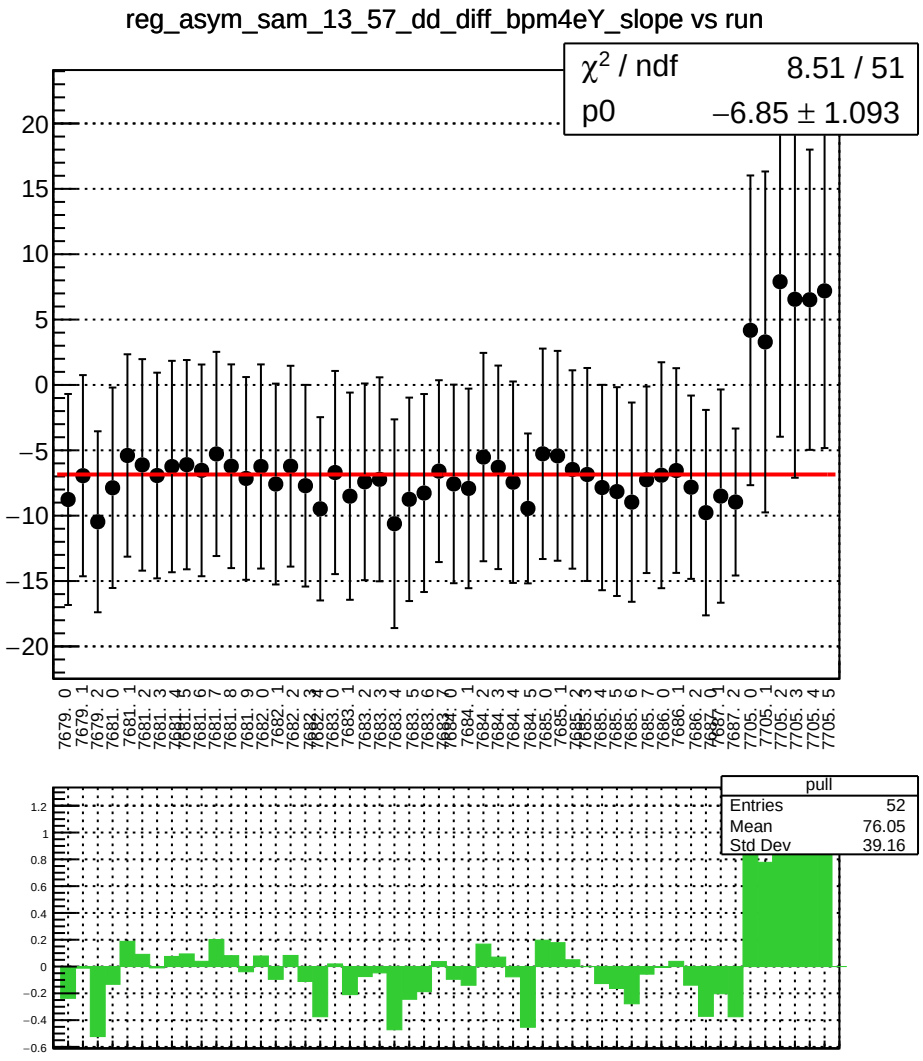

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.35 / 51
p0 −0.1153 ± 0.1631
pull
Entries 52
Mean −44.1
Std Dev 74.84
pull1D
Entries 52
Mean 0.03406
Std Dev 0.2872

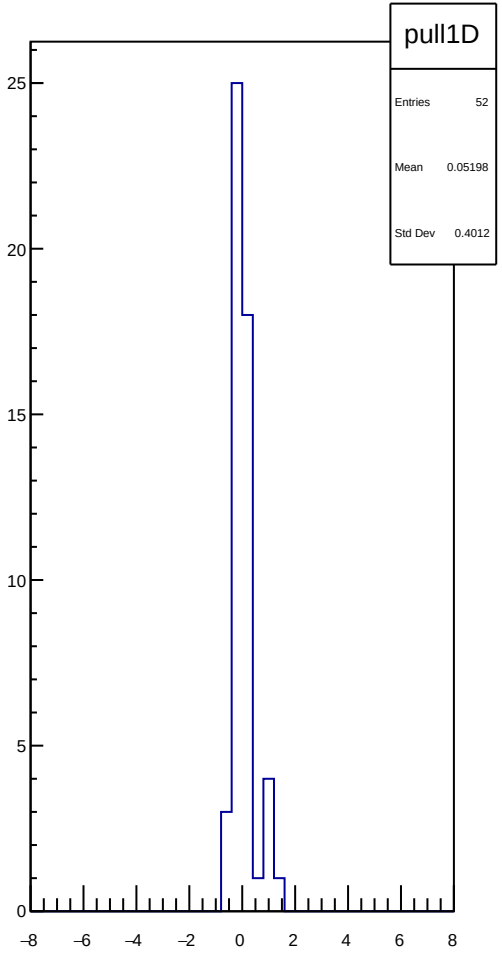

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 9.571 / 51
p0 −15.03 ± 0.4503
pull
Entries 52
Mean 48.1
Std Dev 19.49
pull1D
Entries 52
Mean −0.06503
Std Dev 0.4241

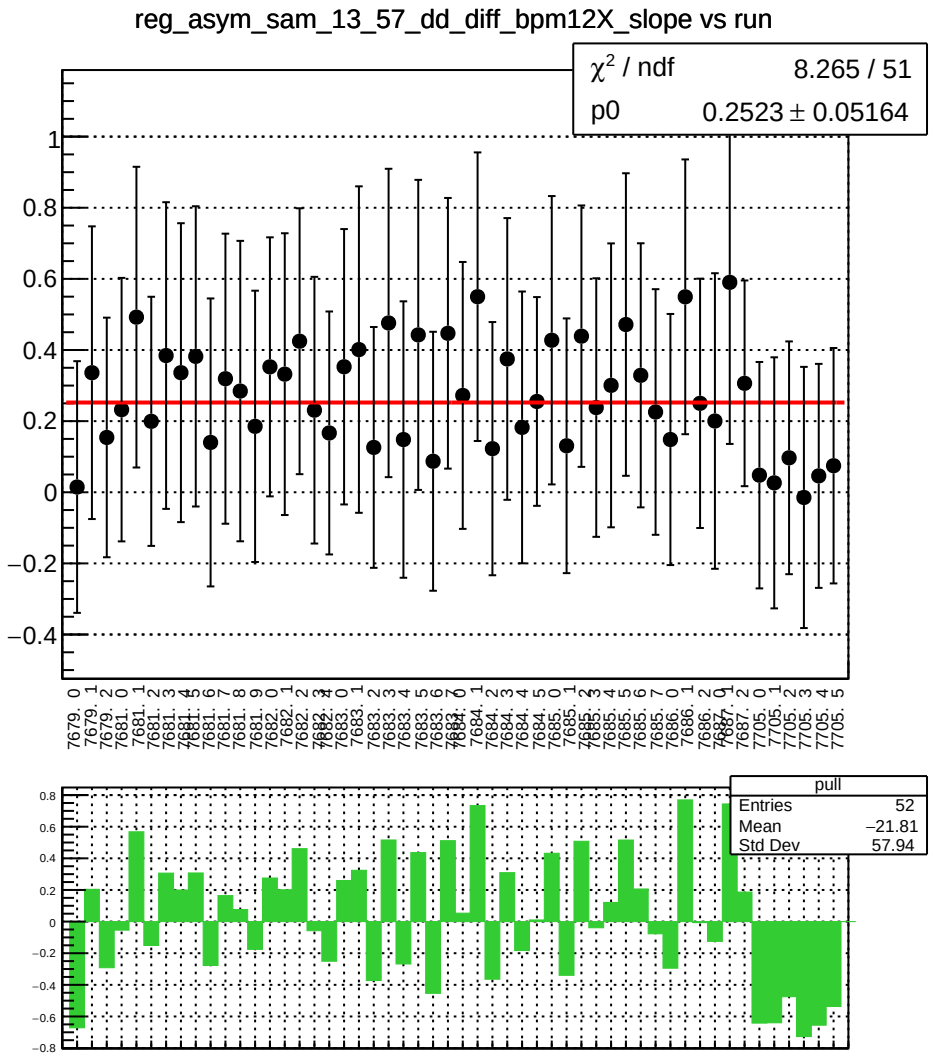

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.03 / 51
p0 −33.23 ± 0.7464
pull
Entries 52
Mean 62.43
Std Dev 23.63
pull1D
Entries 52
Mean −0.07948
Std Dev 0.432

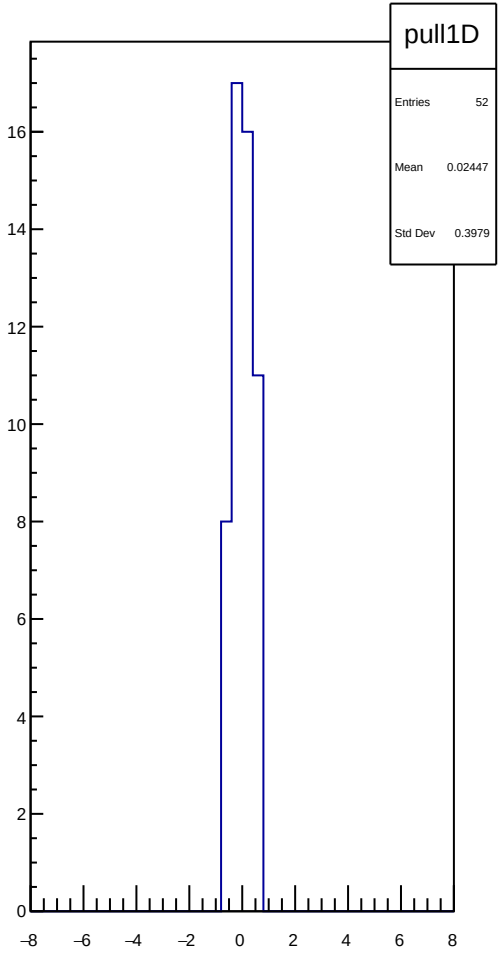

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.93 / 51
p0 −11.56 ± 0.3634
pull
Entries 52
Mean 48.39
Std Dev 16.89

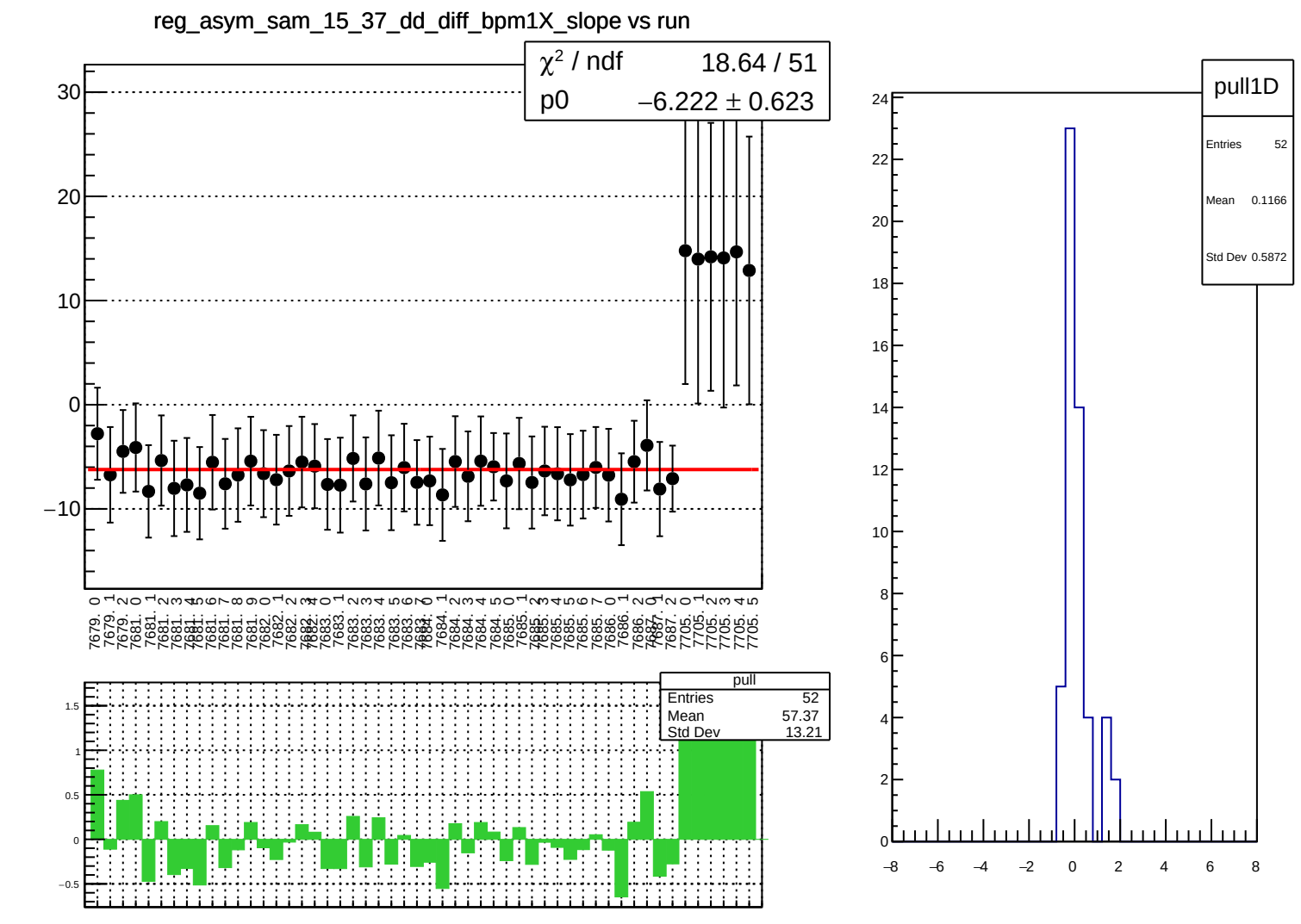

pull1D
Entries 52
Mean 0.0828
Std Dev 0.451

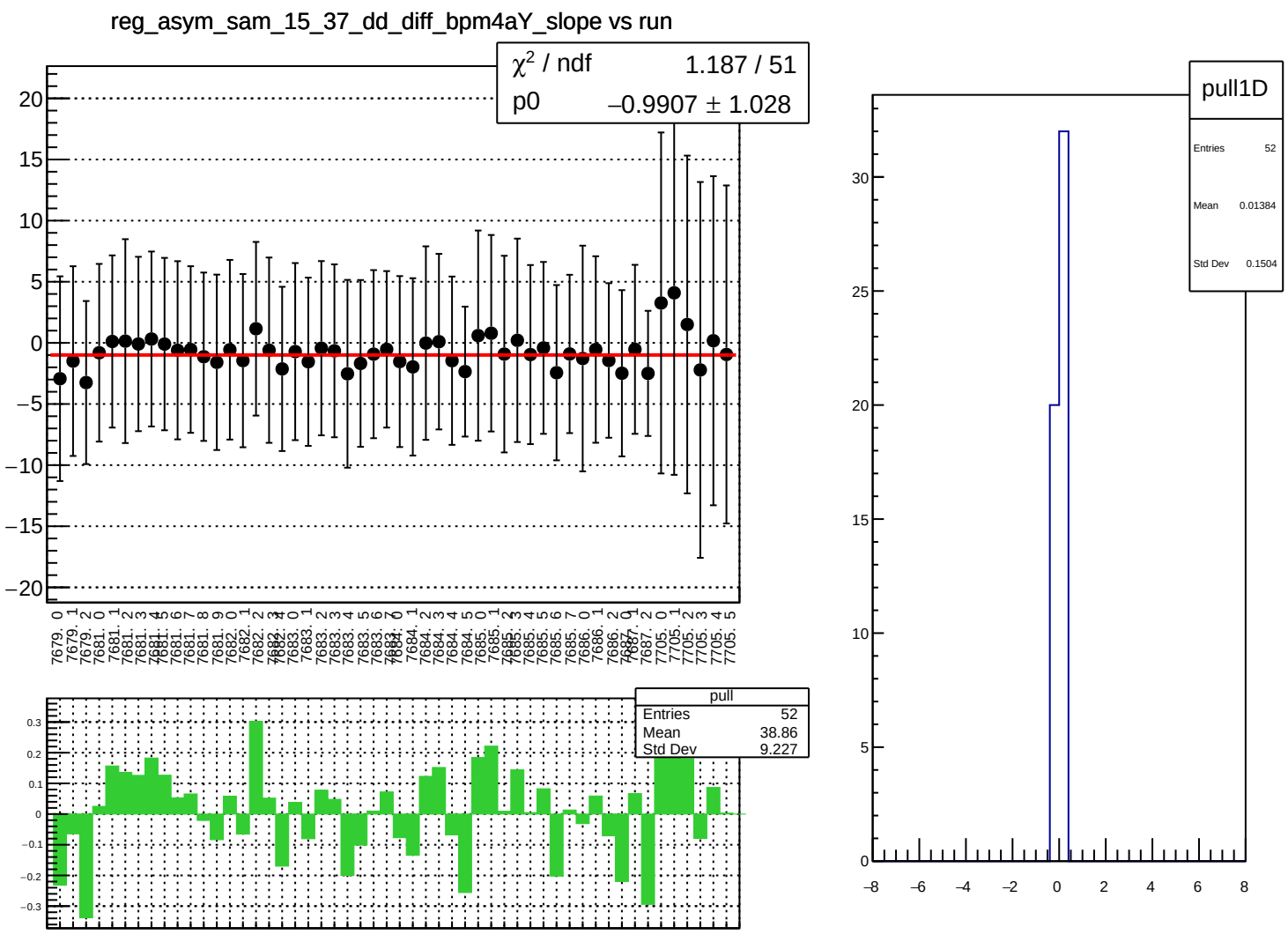

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.51 / 51
p0 −6.85 ± 1.093
pull
Entries 52
Mean 76.05
Std Dev 39.16

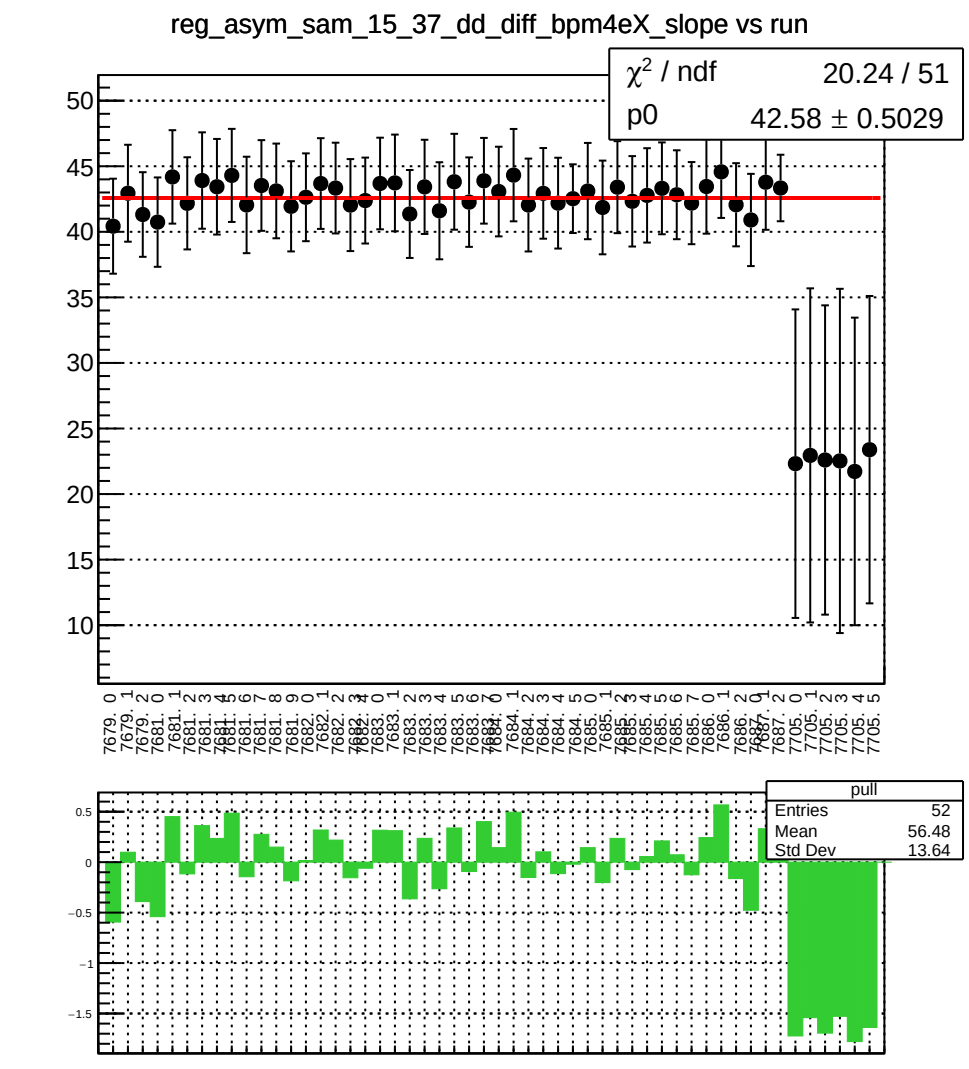

pull1D
Entries 52
Mean 0.05198
Std Dev 0.4012

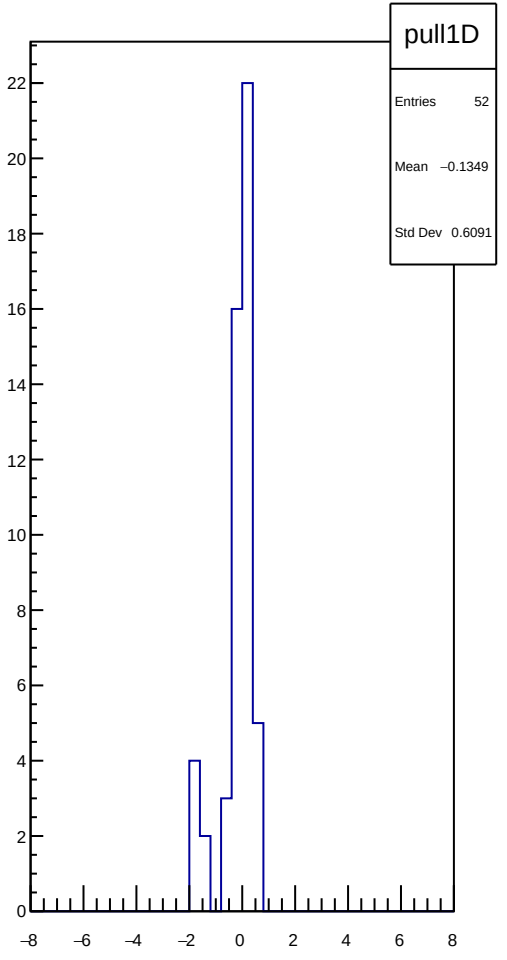

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 8.265 / 51
p0 0.2523 ± 0.05164
pull
Entries 52
Mean −21.81
Std Dev 57.94

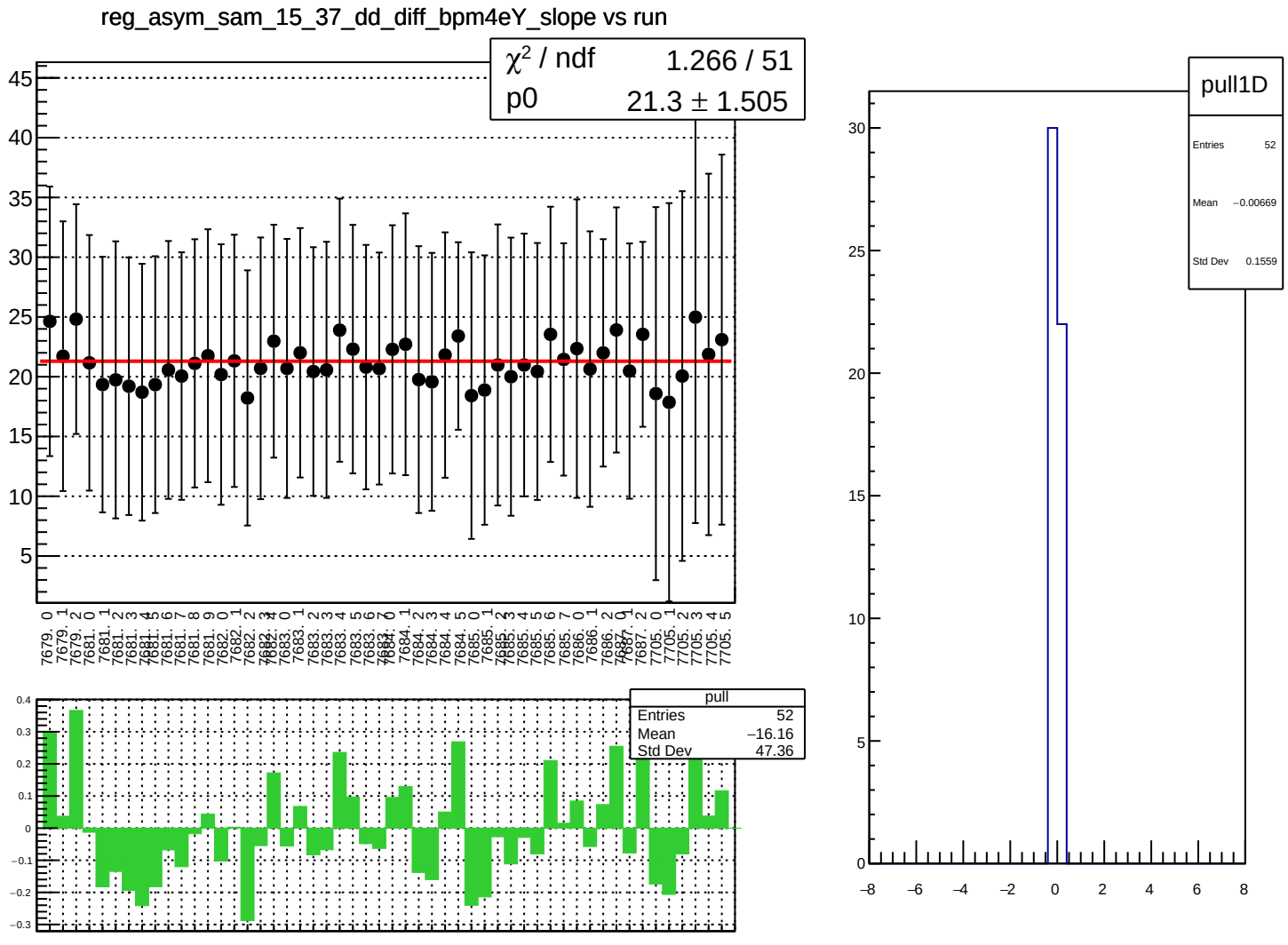

pull1D
Entries 52
Mean 0.02447
Std Dev 0.3979

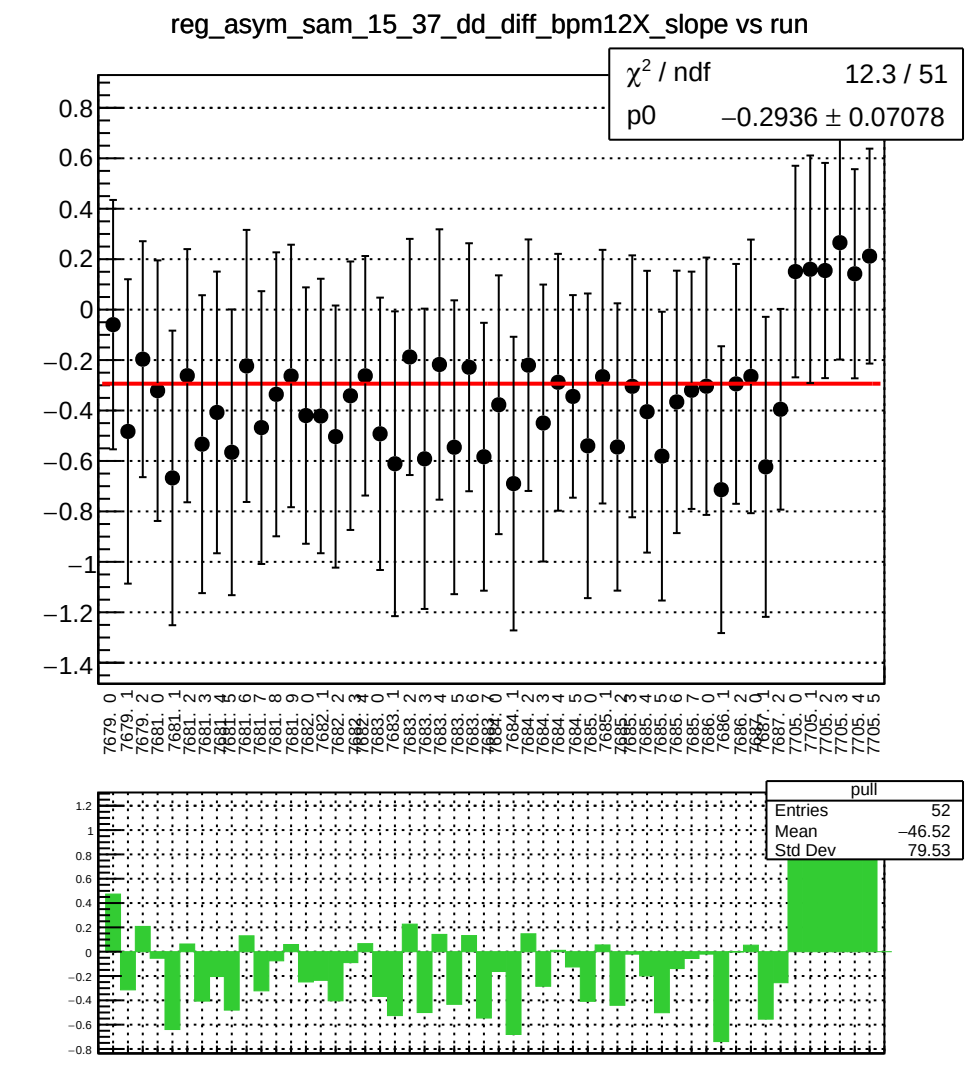

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 18.64 / 51
p0 −6.222 ± 0.623
pull
Entries 52
Mean 57.37
Std Dev 13.21
pull1D
Entries 52
Mean 0.1166
Std Dev 0.5872

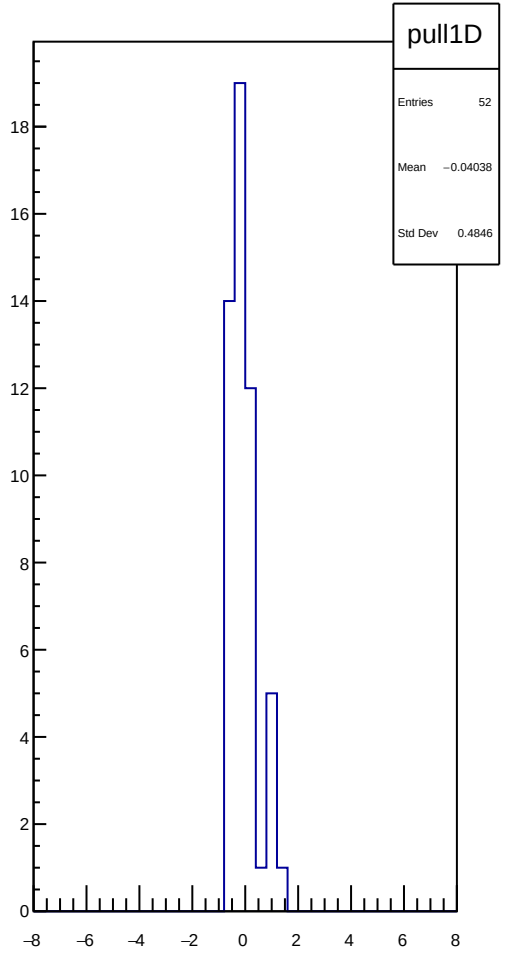

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.187 / 51
p0 −0.9907 ± 1.028
pull
Entries 52
Mean 38.86
Std Dev 9.227
pull1D
Entries 52
Mean 0.01384
Std Dev 0.1504

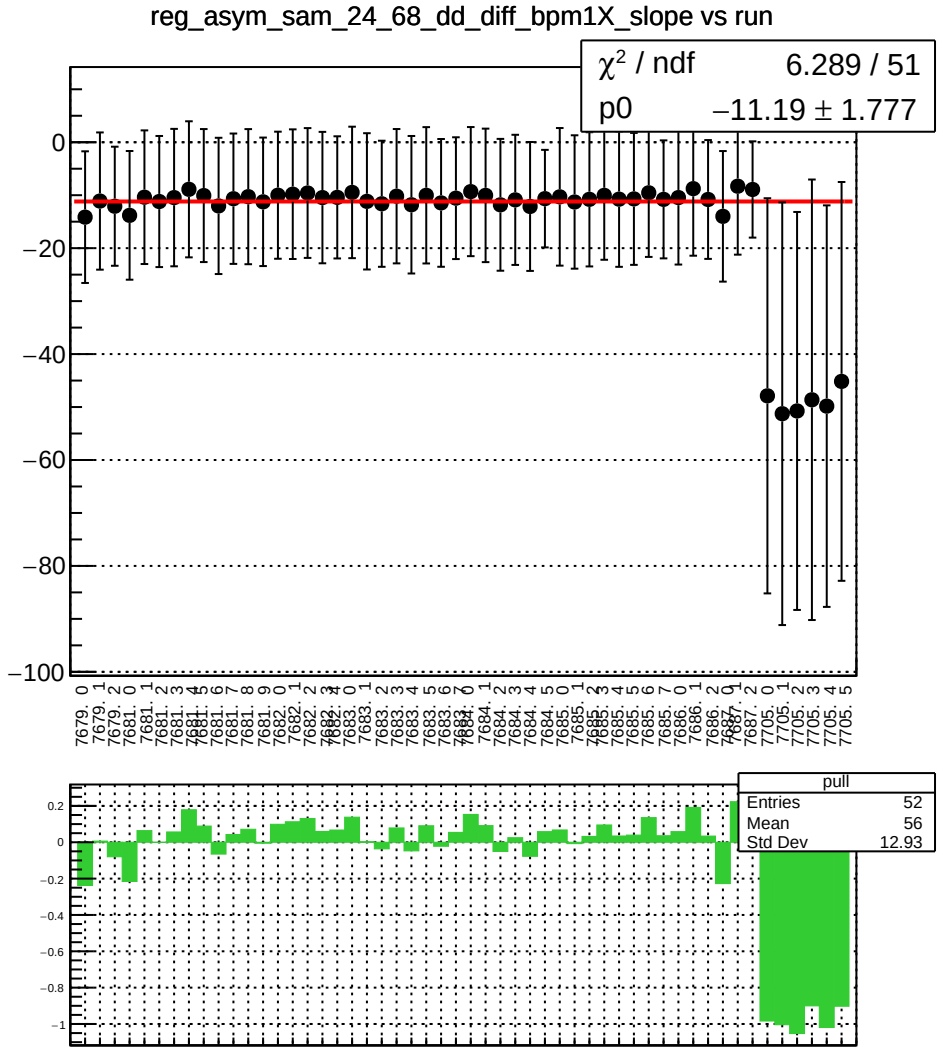

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.24 / 51
p0 42.58 ± 0.5029
pull
Entries 52
Mean 56.48
Std Dev 13.64

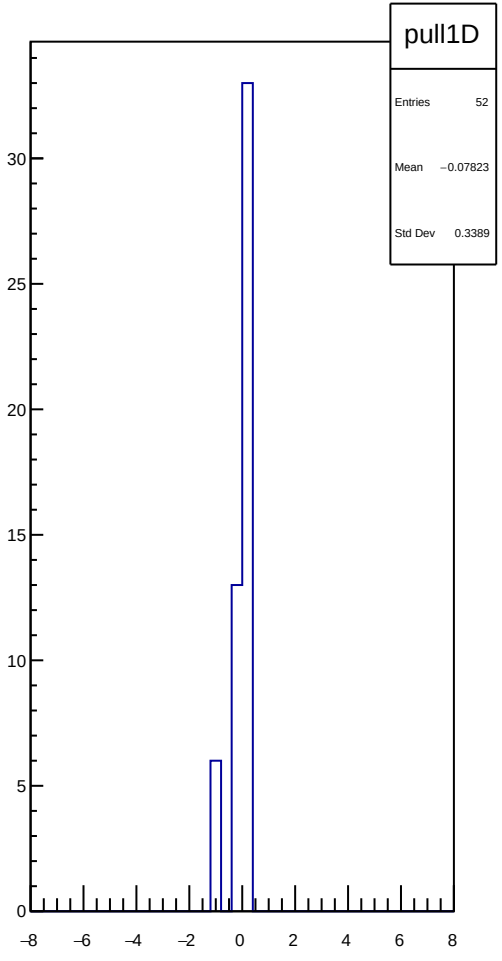

pull1D
Entries 52
Mean −0.1349
Std Dev 0.6091

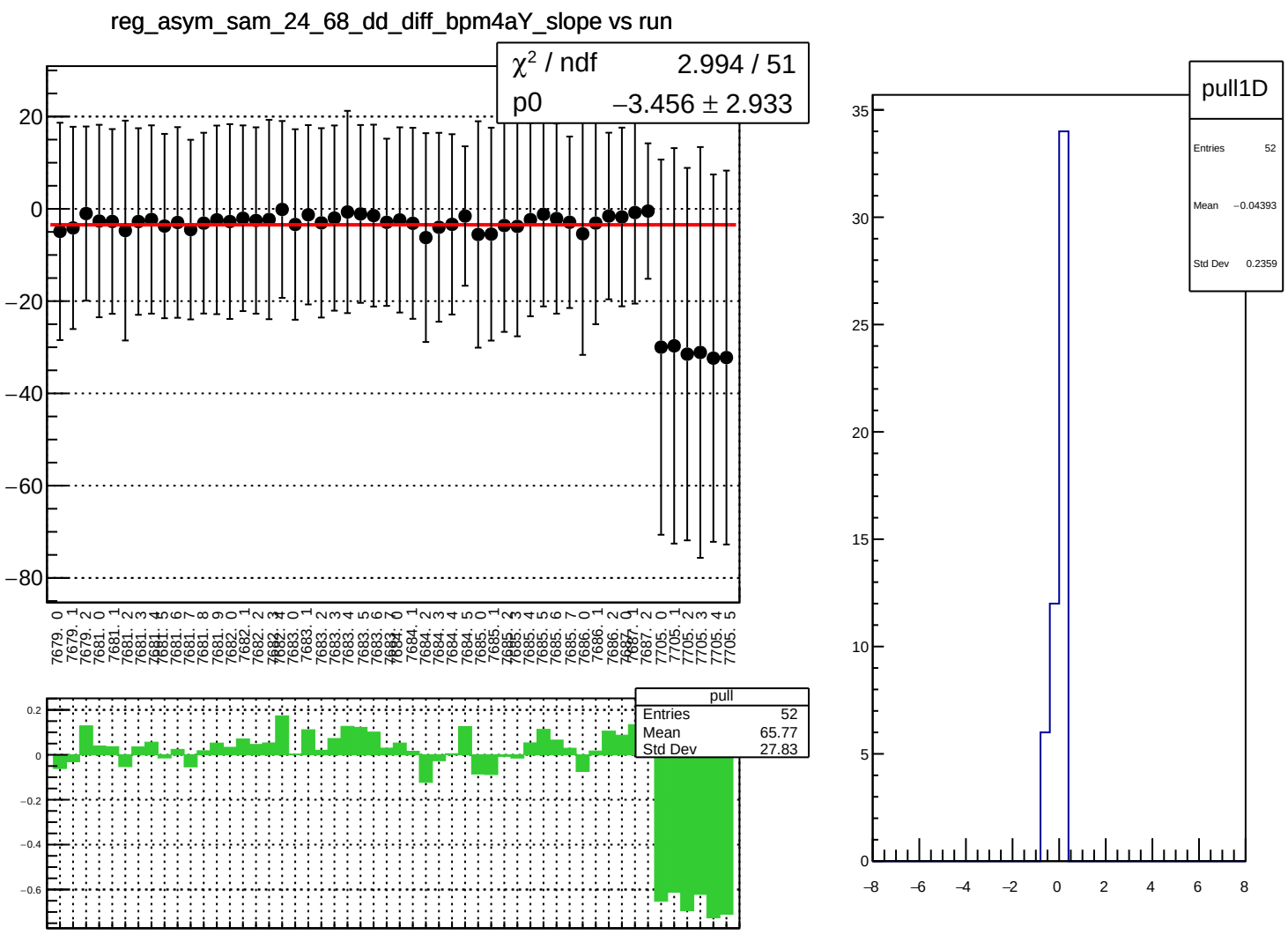

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.266 / 51
p0 21.3 ± 1.505
pull
Entries 52
Mean −16.16
Std Dev 47.36
pull1D
Entries 52
Mean −0.00669
Std Dev 0.1559

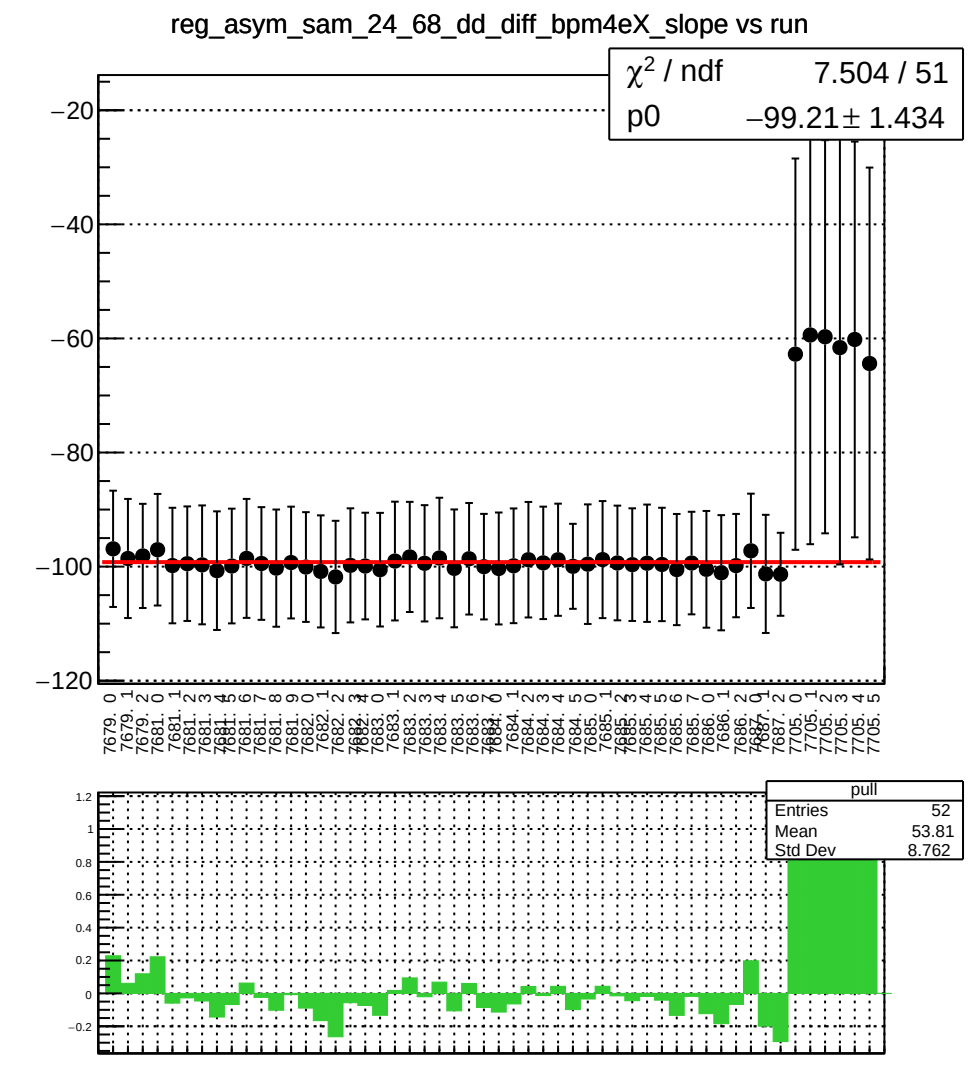

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 12.3 / 51
p0 −0.2936 ± 0.07078
pull
Entries 52
Mean −46.52
Std Dev 79.53

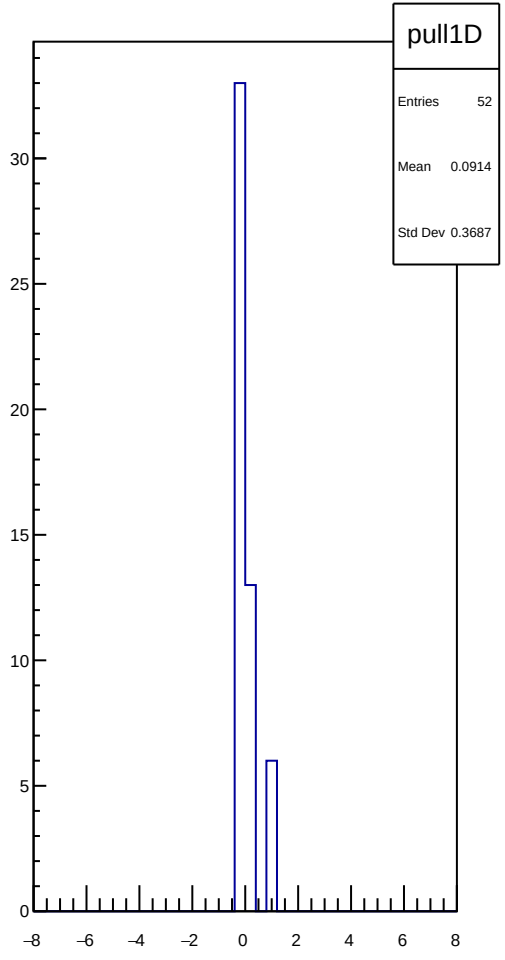

pull1D
Entries 52
Mean −0.04038
Std Dev 0.4846

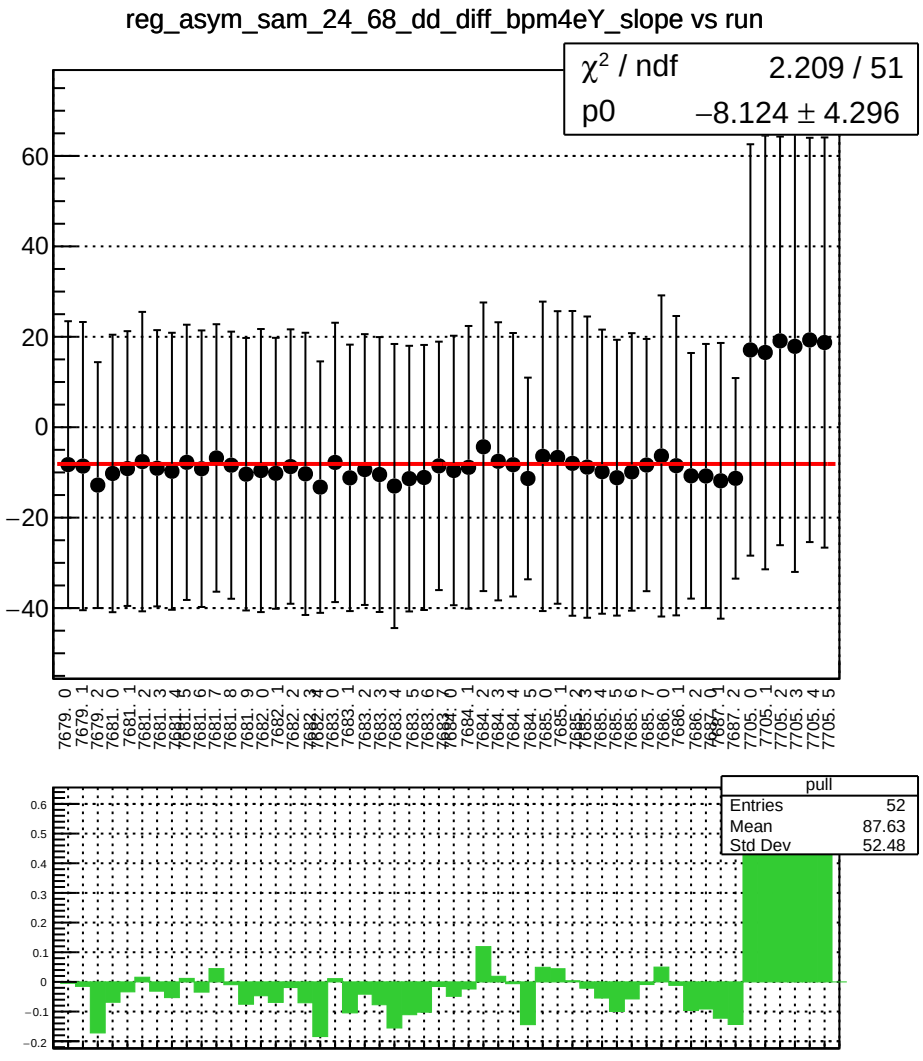

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 6.289 / 51
p0 −11.19 ± 1.777
pull
Entries 52
Mean 56
Std Dev 12.93

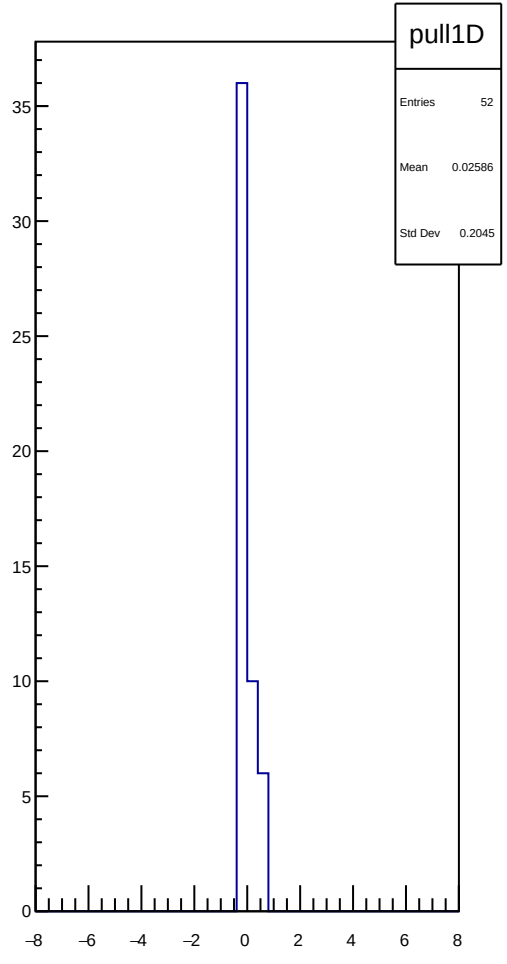

pull1D
Entries 52
Mean −0.07823
Std Dev 0.3389

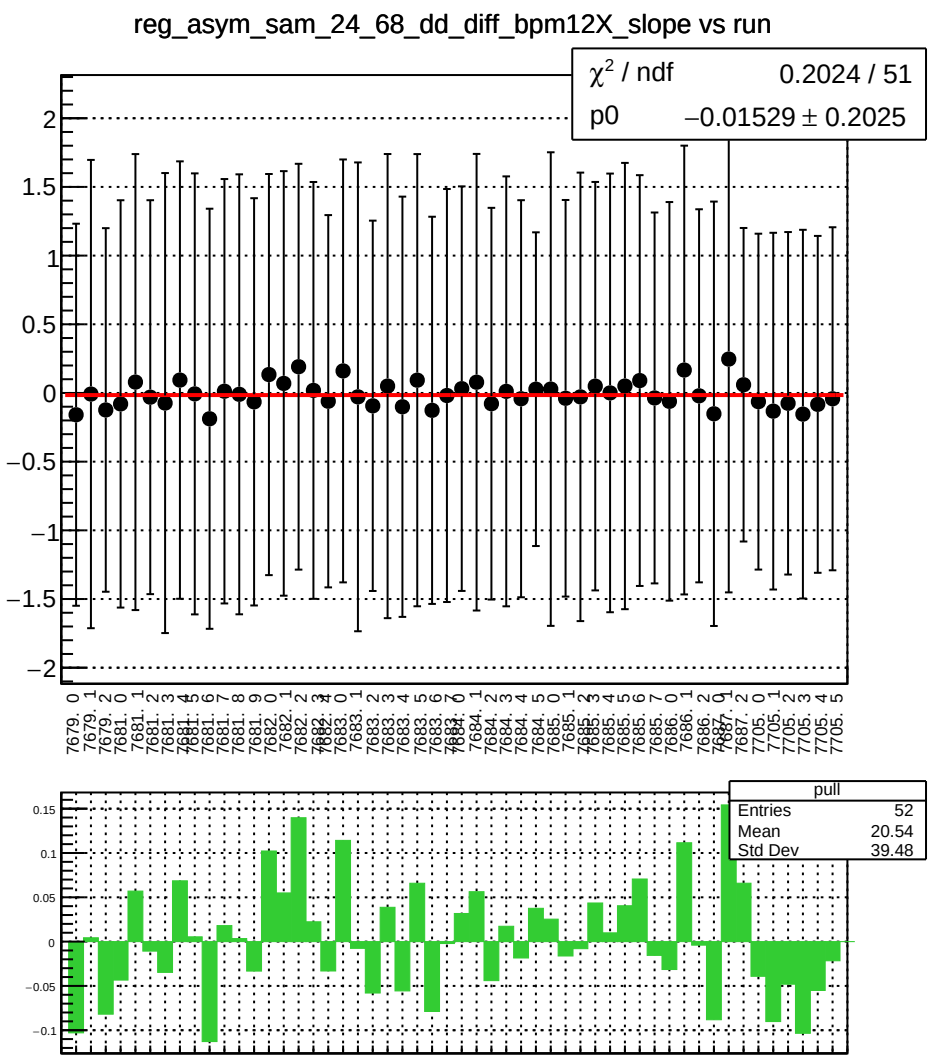

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.994 / 51
p0 −3.456 ± 2.933
pull
Entries 52
Mean 65.77
Std Dev 27.83
pull1D
Entries 52
Mean −0.04393
Std Dev 0.2359

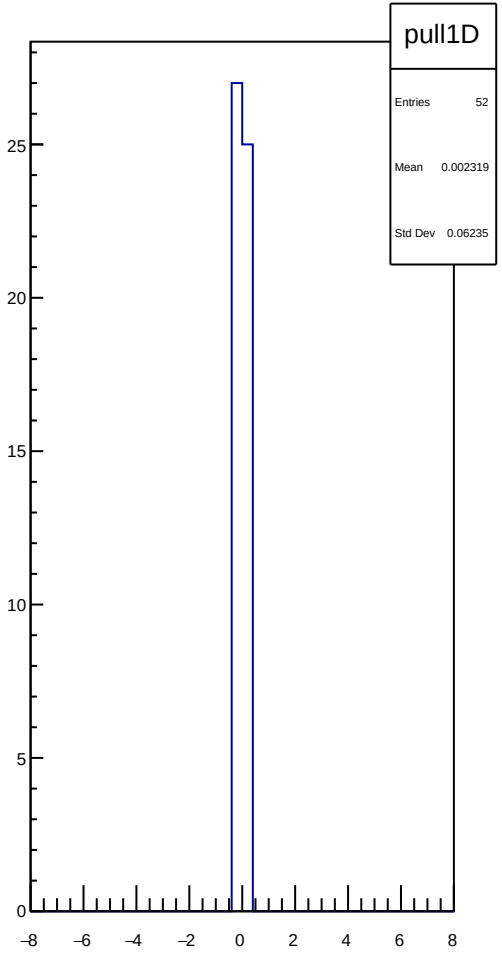

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.504 / 51
p0 −99.21 ± 1.434
pull
Entries 52
Mean 53.81
Std Dev 8.762

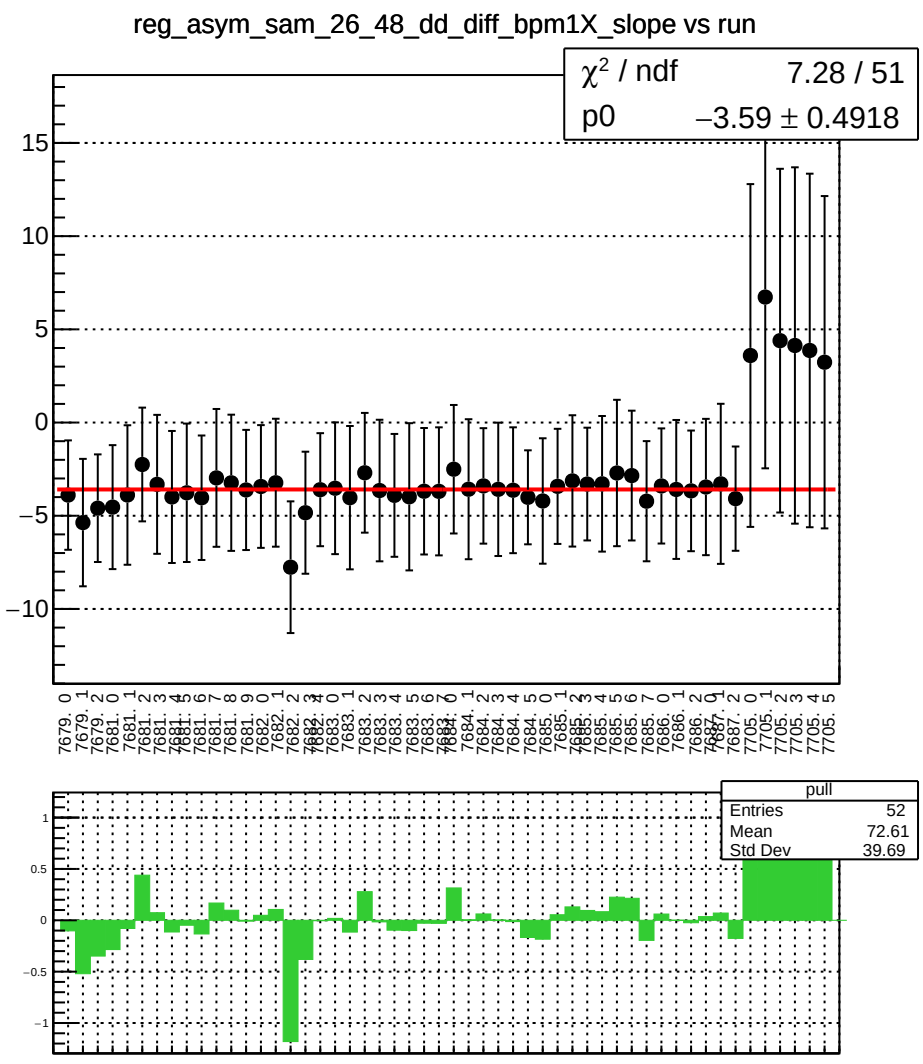

pull1D
Entries 52
Mean 0.0914
Std Dev 0.3687

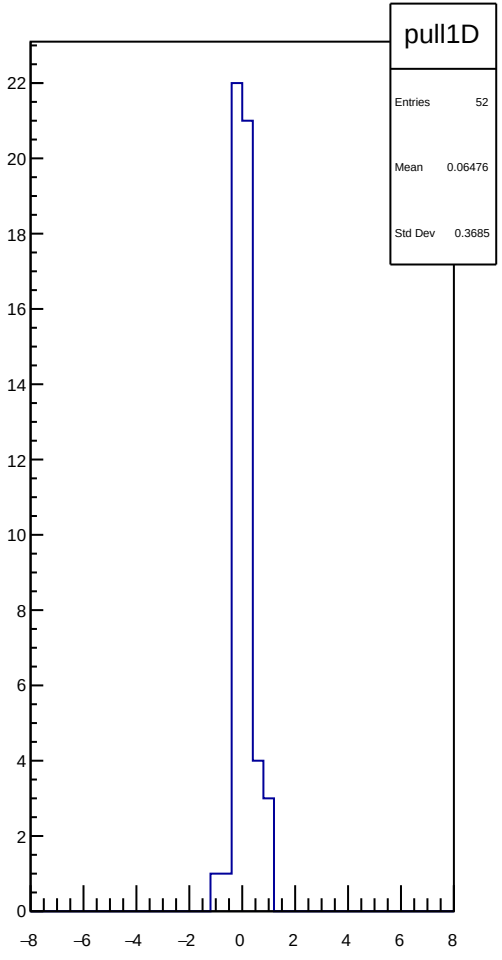

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.209 / 51
p0 −8.124 ± 4.296
pull
Entries 52
Mean 87.63
Std Dev 52.48

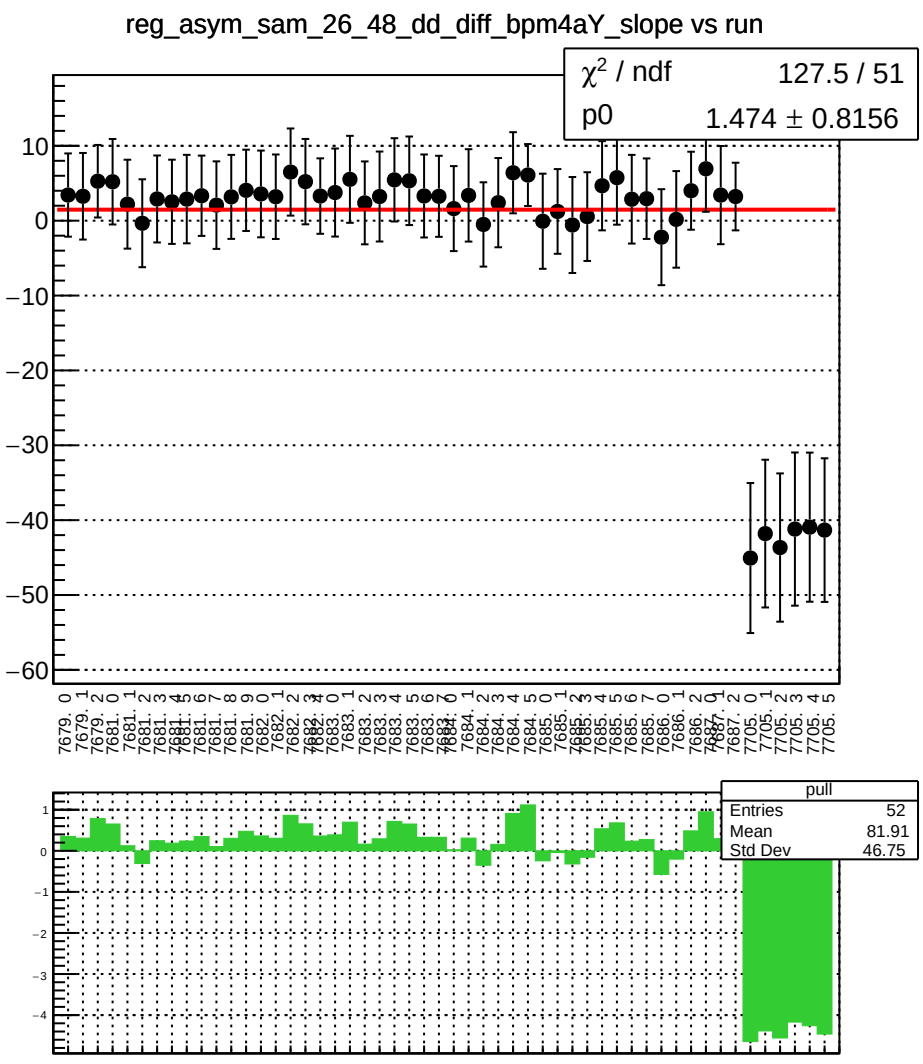

pull1D
Entries 52
Mean 0.02586
Std Dev 0.2045

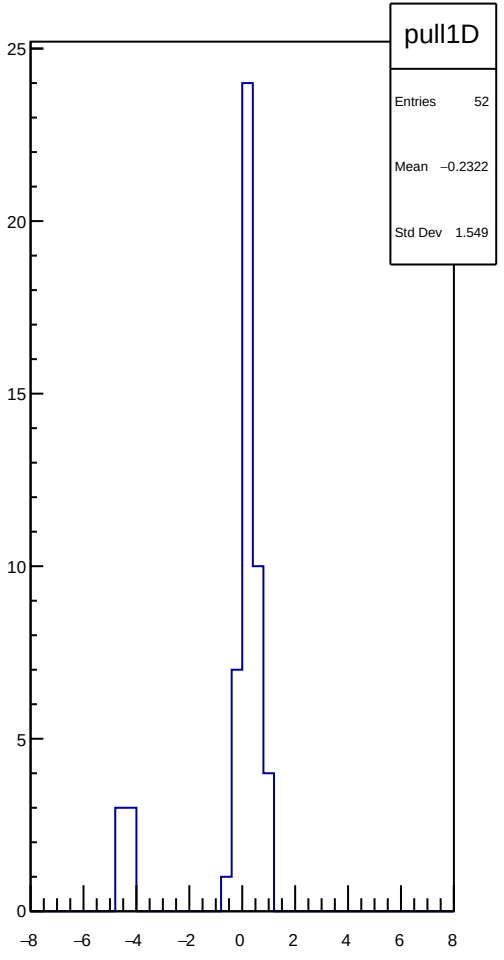

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.2024 / 51
p0 −0.01529 ± 0.2025
pull
Entries 52
Mean 20.54
Std Dev 39.48

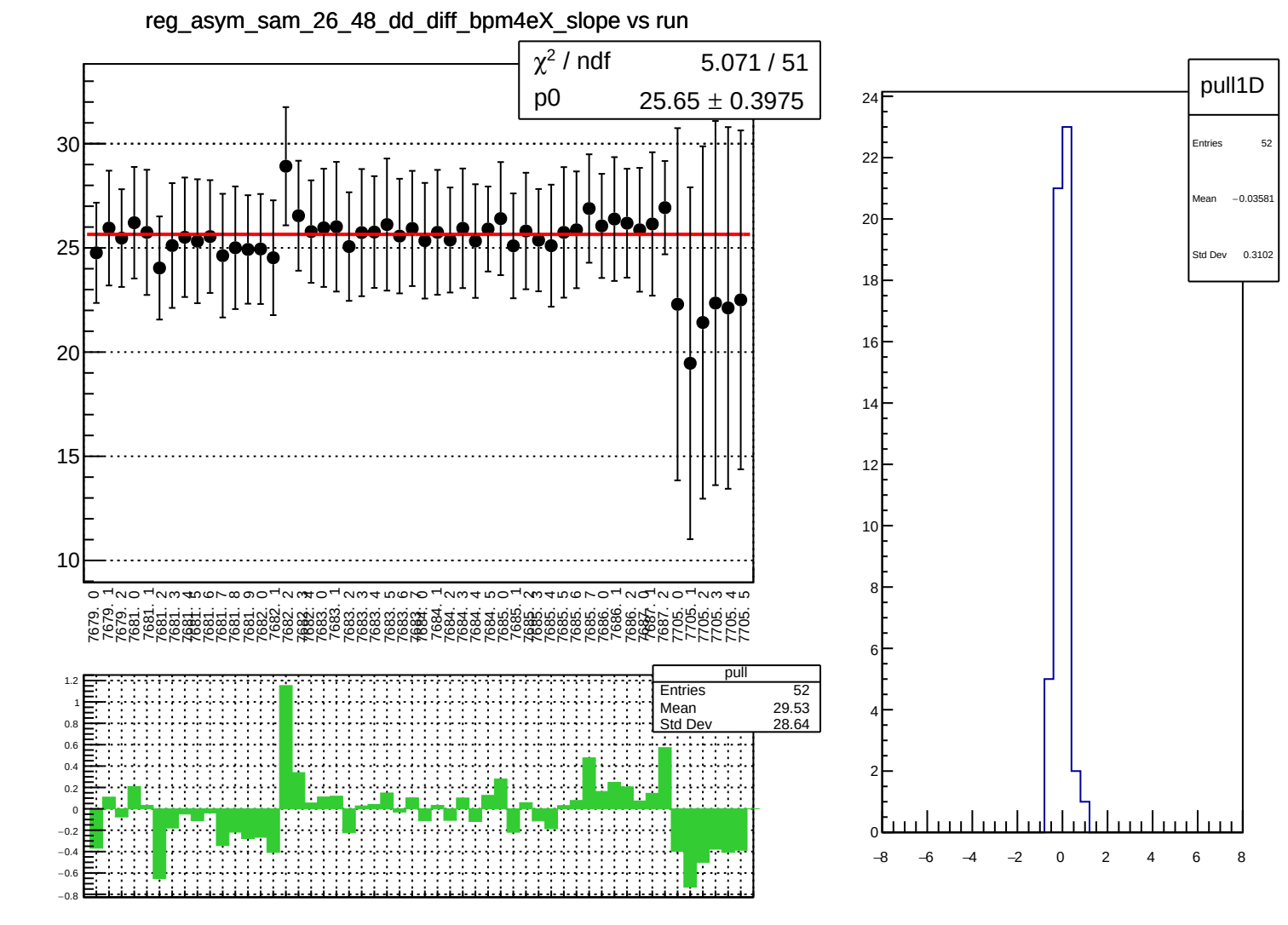

pull1D
Entries 52
Mean 0.002319
Std Dev 0.06235

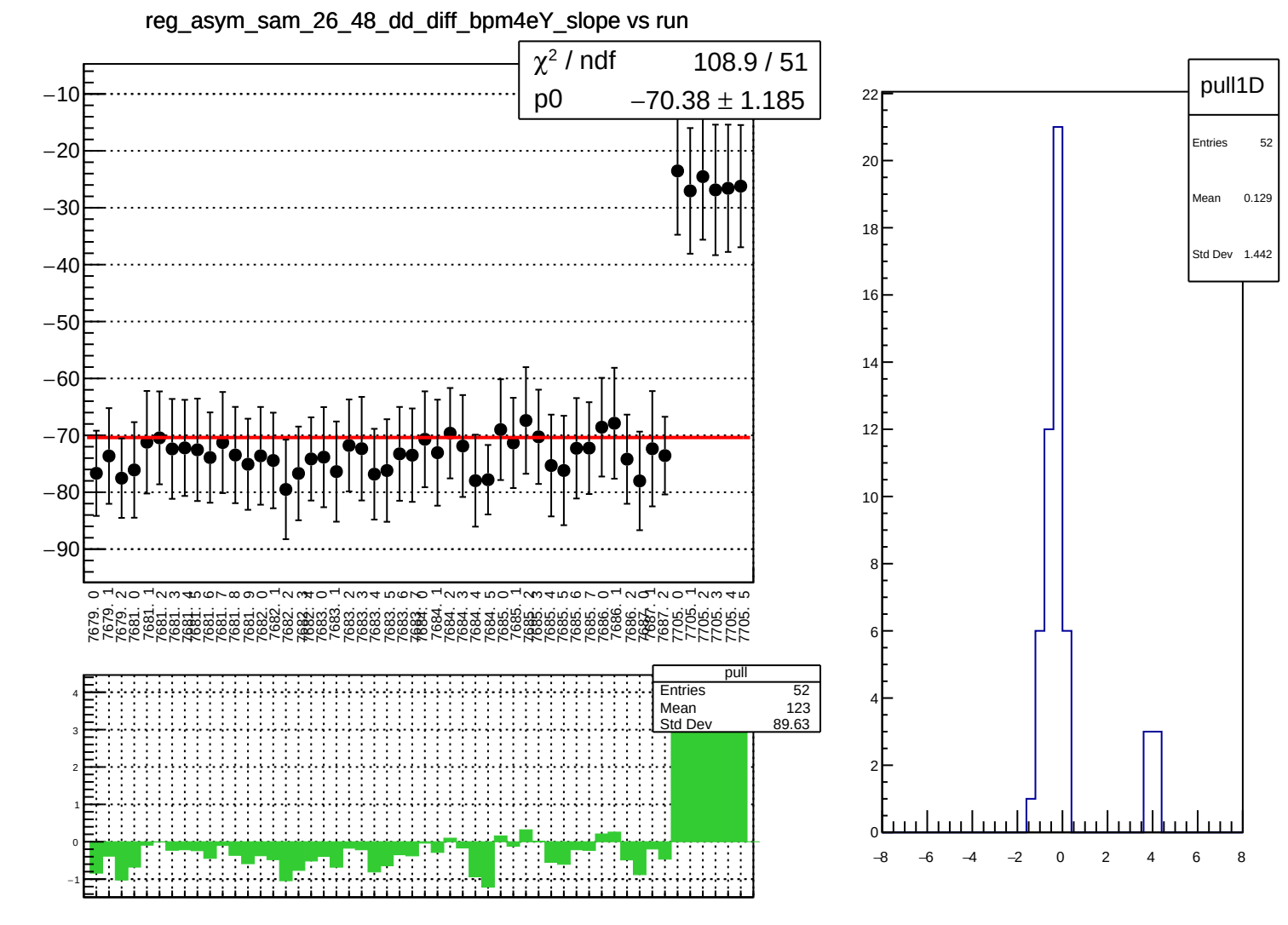

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 7.28 / 51
p0 −3.59 ± 0.4918
pull
Entries 52
Mean 72.61
Std Dev 39.69

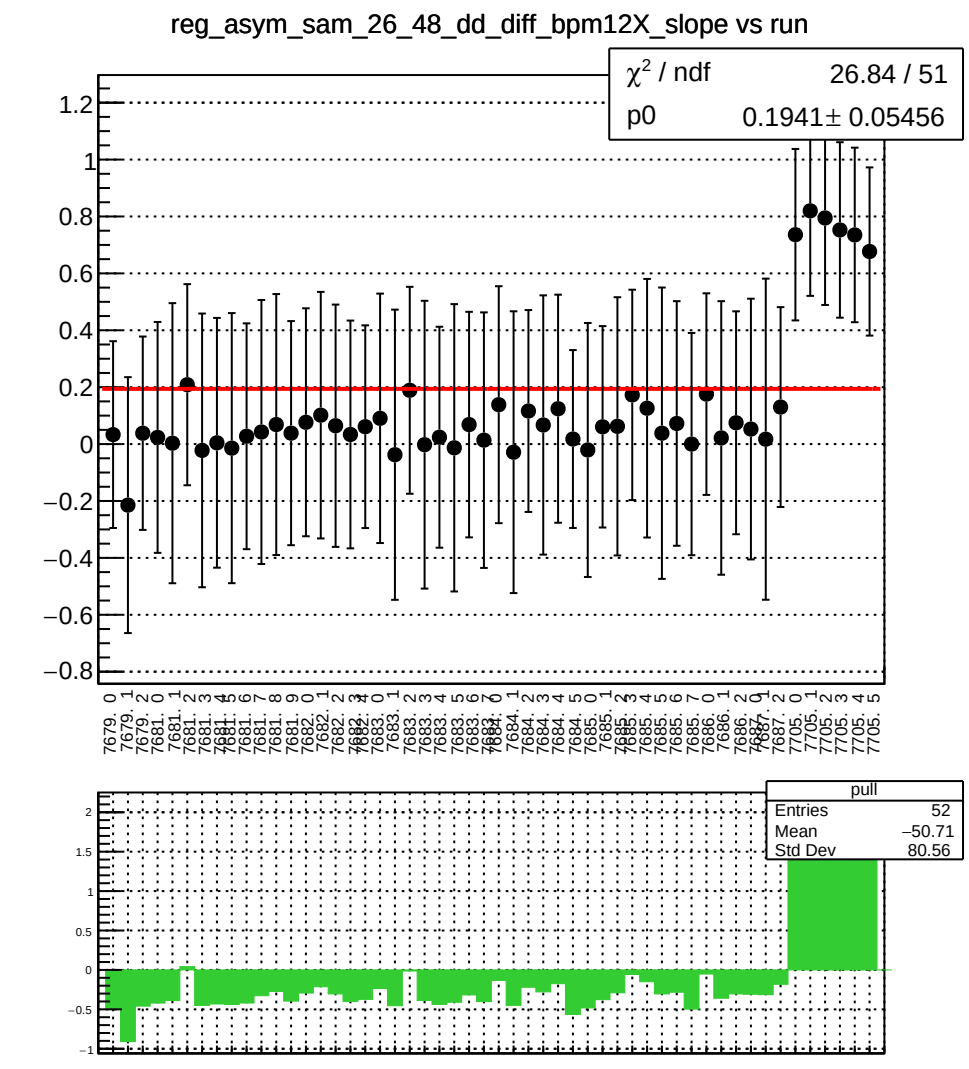

pull1D
Entries 52
Mean 0.06476
Std Dev 0.3685

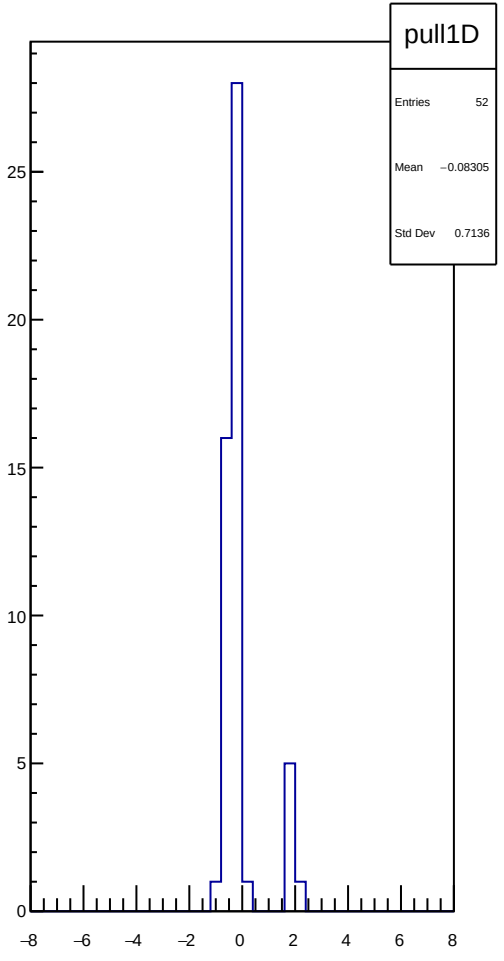

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 127.5 / 51
p0 1.474 ± 0.8156
pull
Entries 52
Mean 81.91
Std Dev 46.75

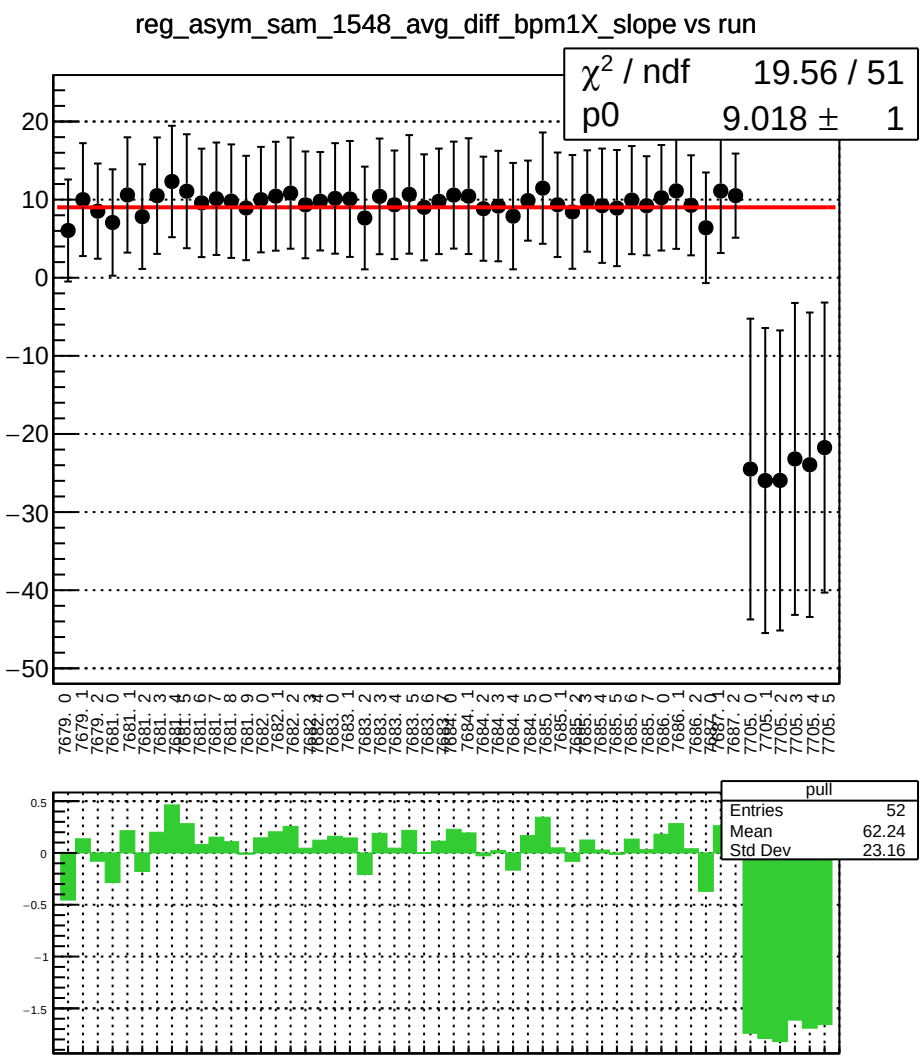

pull1D
Entries 52
Mean −0.2322
Std Dev 1.549

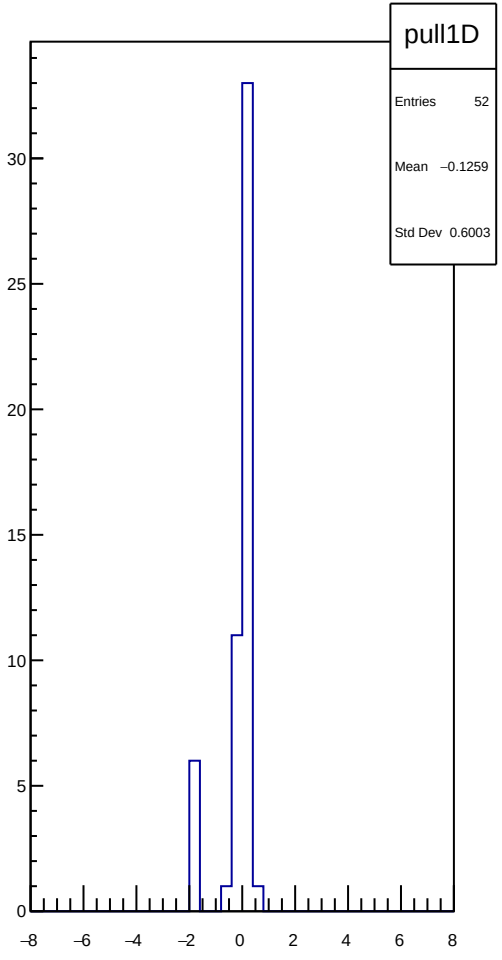

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.071 / 51
p0 25.65 ± 0.3975
pull
Entries 52
Mean 29.53
Std Dev 28.64
pull1D
Entries 52
Mean −0.03581
Std Dev 0.3102

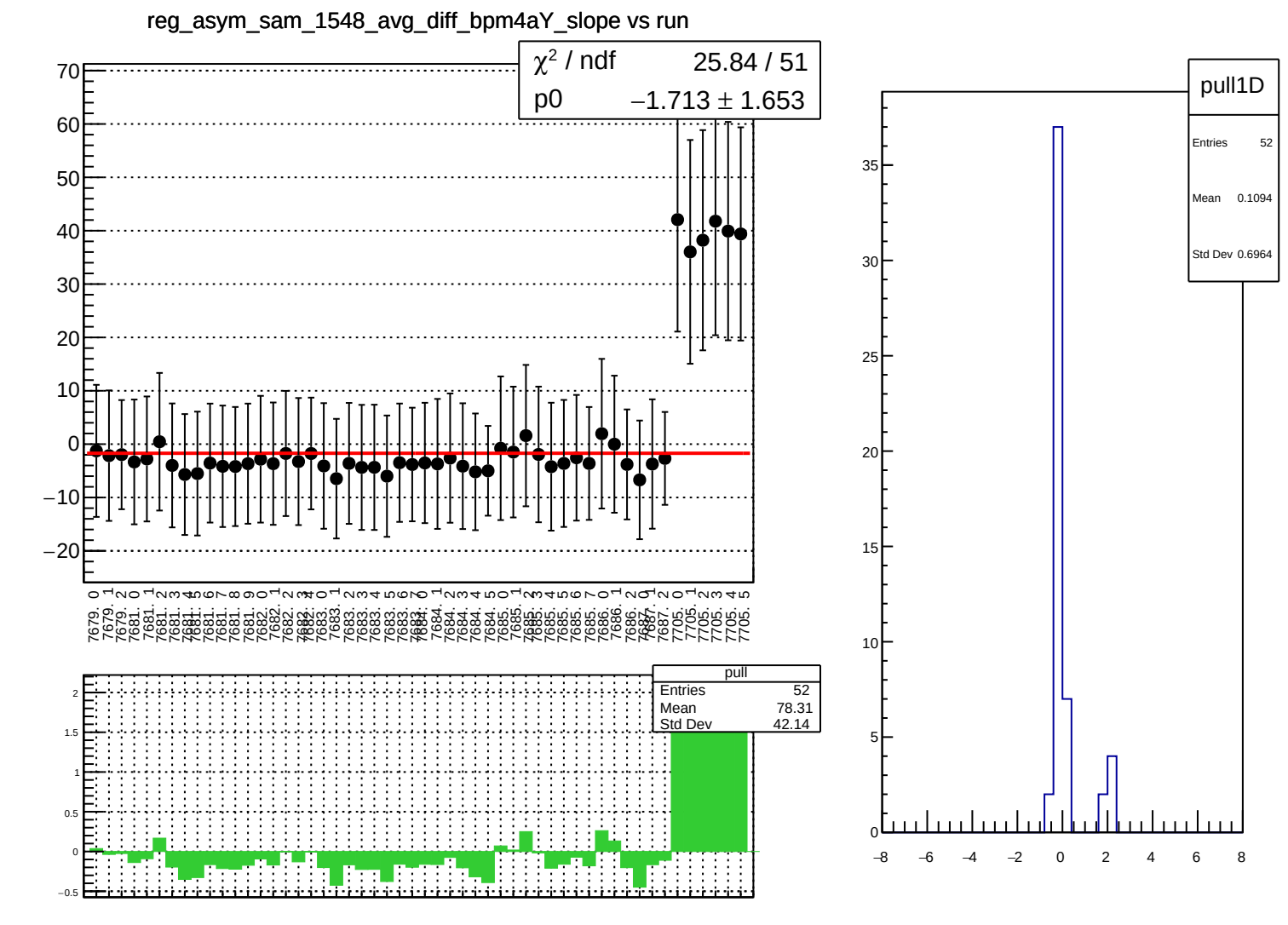

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 108.9 / 51
p0 −70.38 ± 1.185
pull
Entries 52
Mean 123
Std Dev 89.63
pull1D
Entries 52
Mean 0.129
Std Dev 1.442

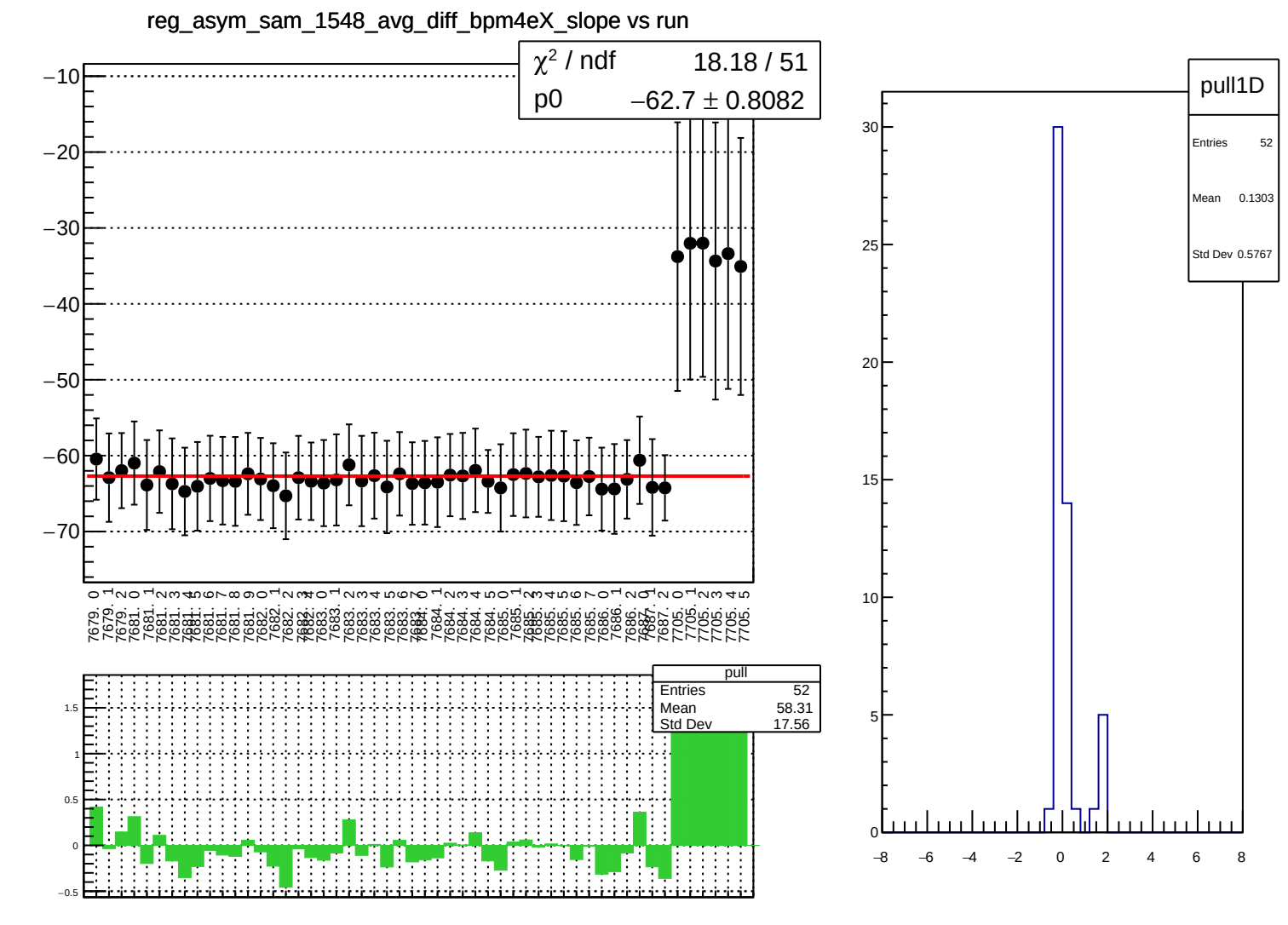

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 26.84 / 51
p0 0.1941± 0.05456
pull
Entries 52
Mean −50.71
Std Dev 80.56

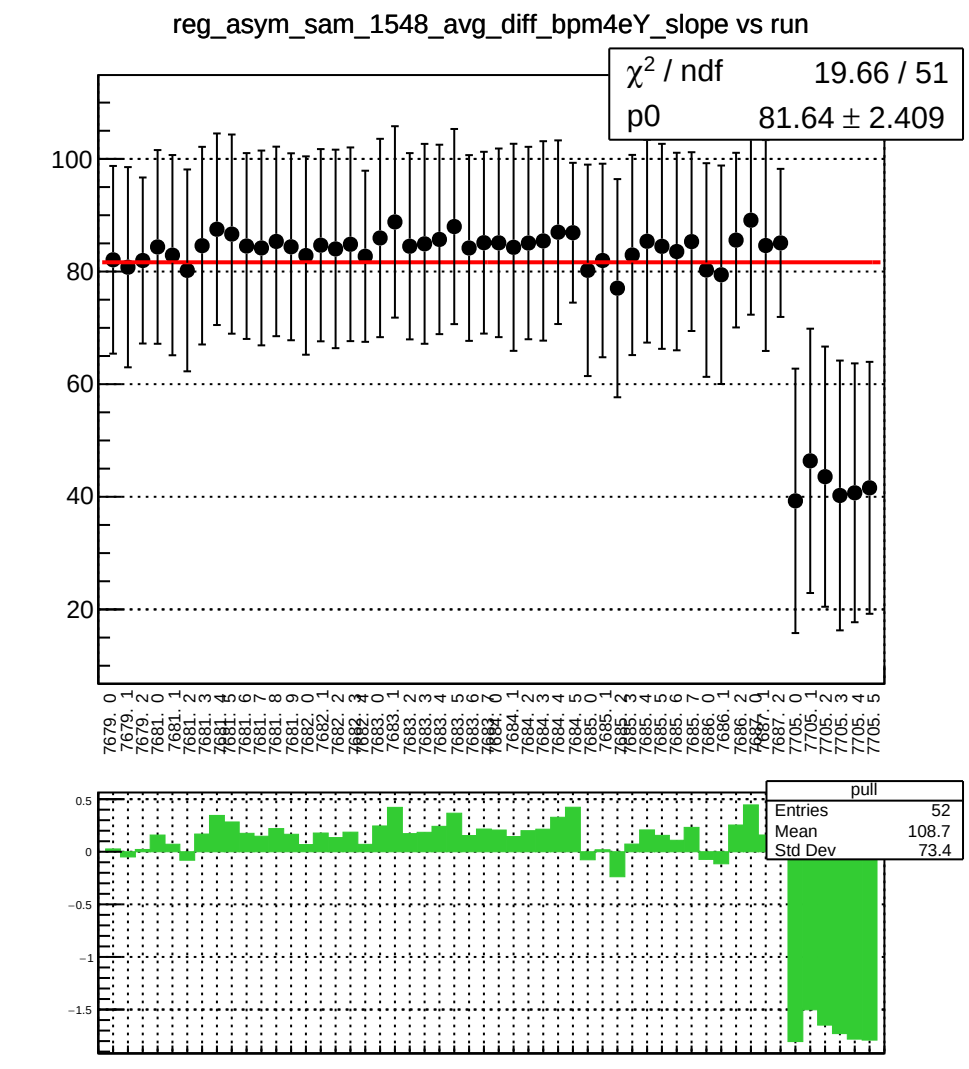

pull1D
Entries 52
Mean −0.08305
Std Dev 0.7136

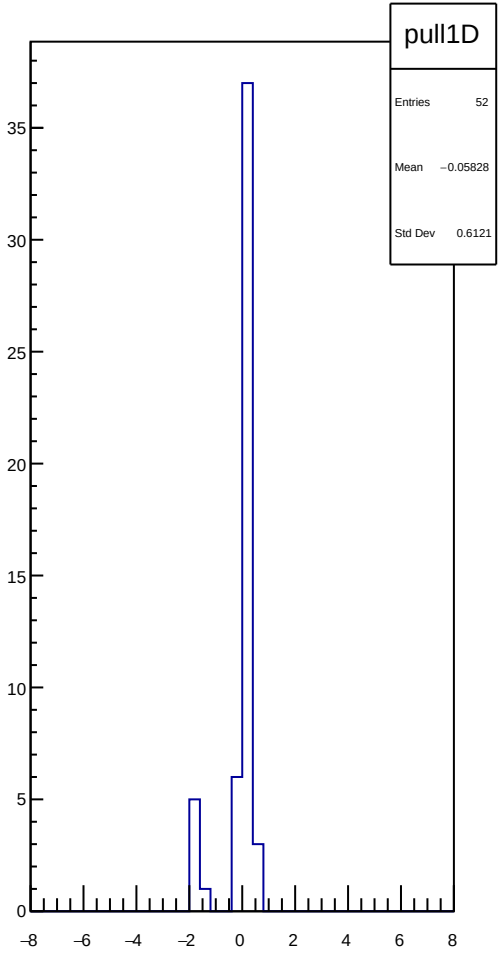

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 19.56 / 51
p0 9.018 ± 1
pull
Entries 52
Mean 62.24
Std Dev 23.16

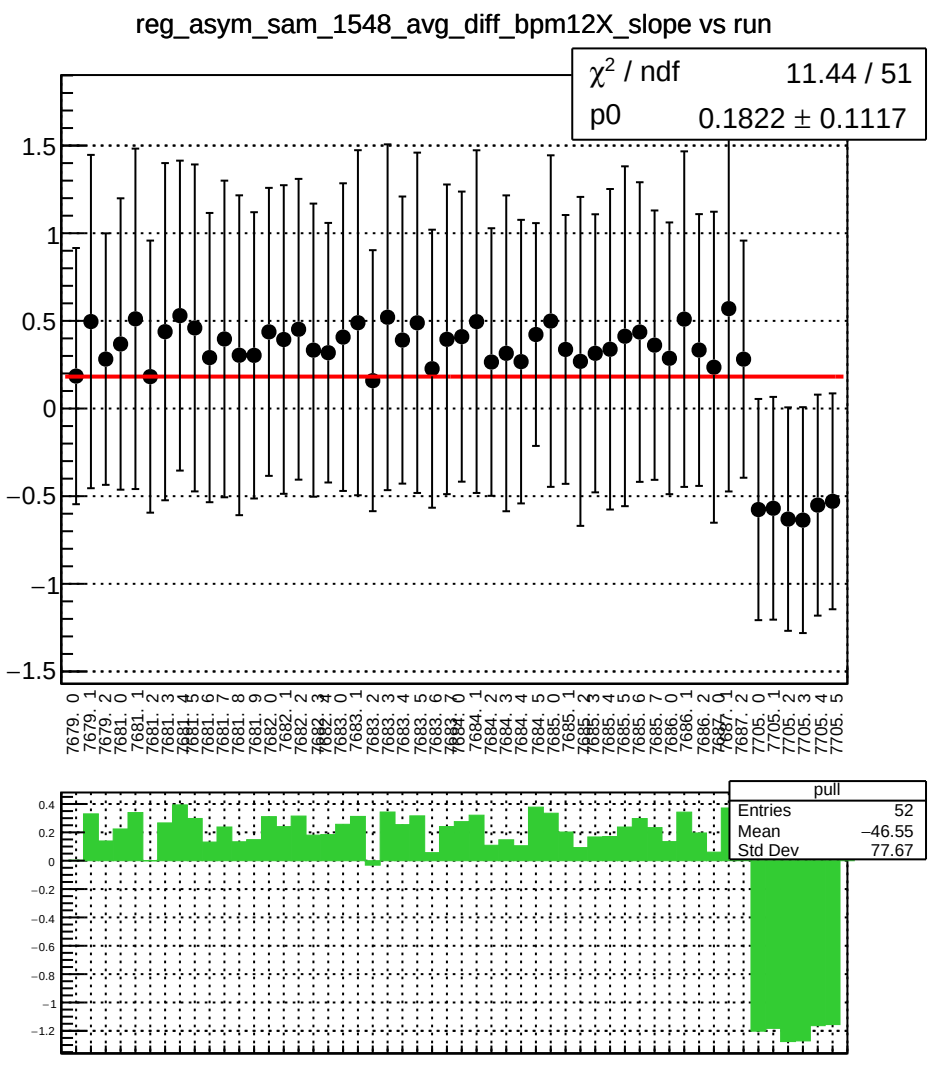

pull1D
Entries 52
Mean −0.1259
Std Dev 0.6003

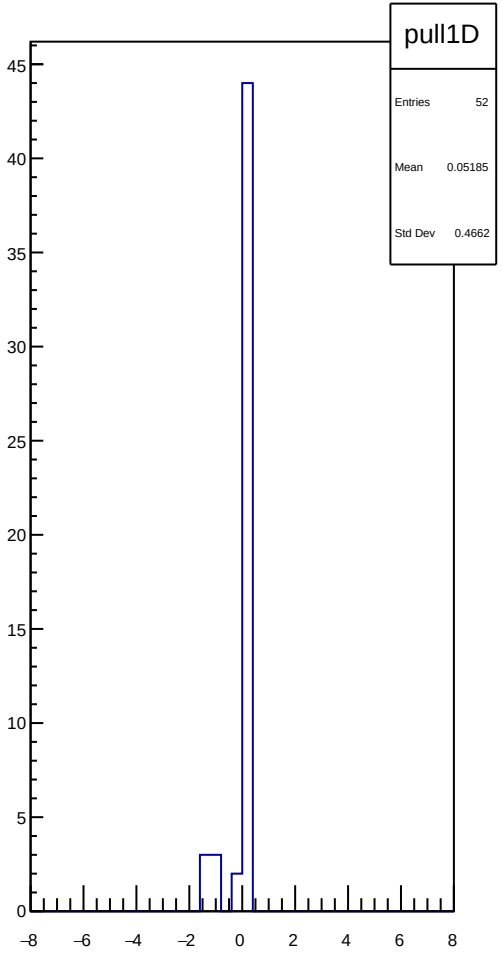

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.84 / 51
p0 −1.713 ± 1.653
pull
Entries 52
Mean 78.31
Std Dev 42.14
pull1D
Entries 52
Mean 0.1094
Std Dev 0.6964

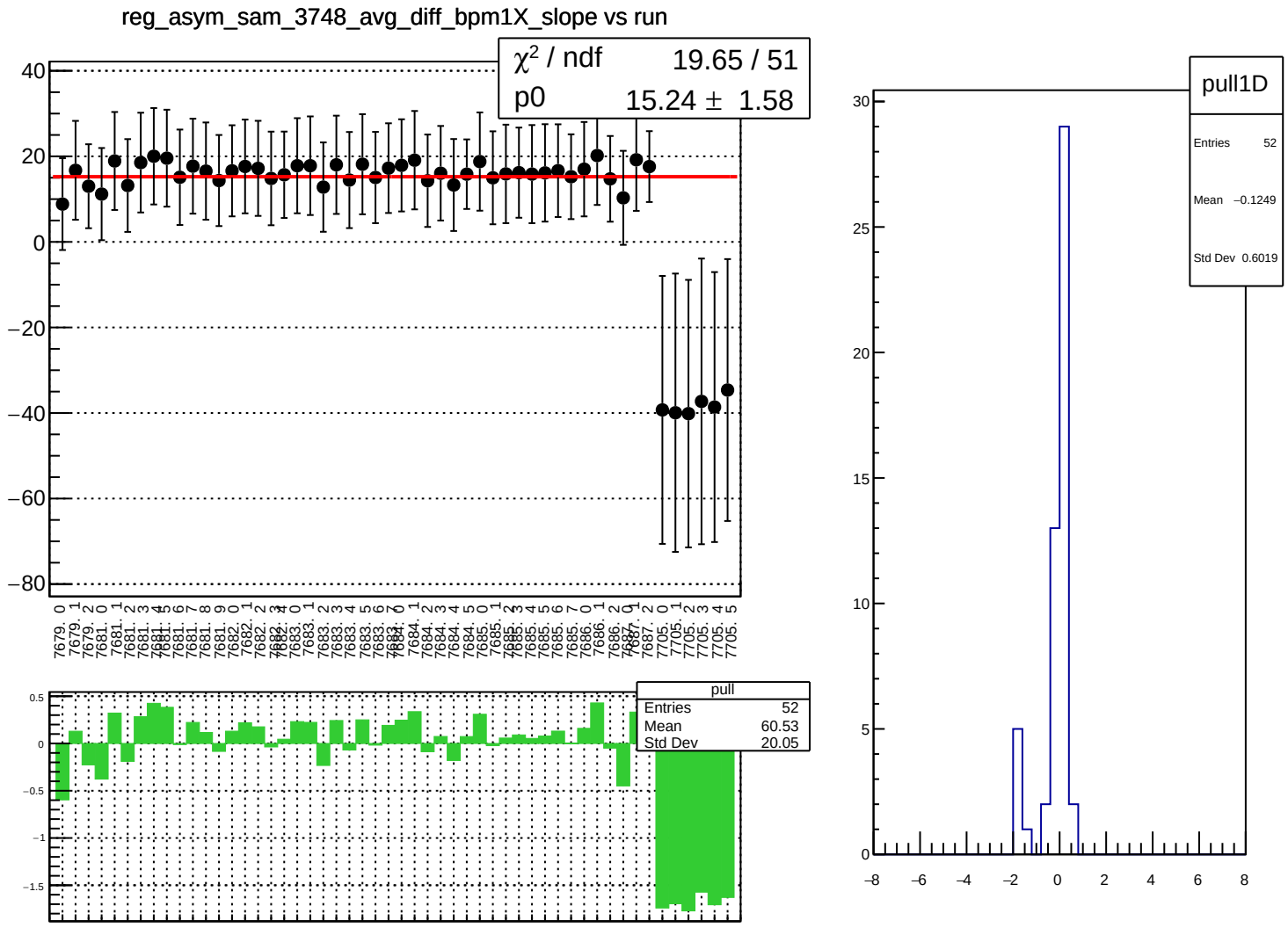

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.18 / 51
p0 −62.7 ± 0.8082
pull
Entries 52
Mean 58.31
Std Dev 17.56
pull1D
Entries 52
Mean 0.1303
Std Dev 0.5767

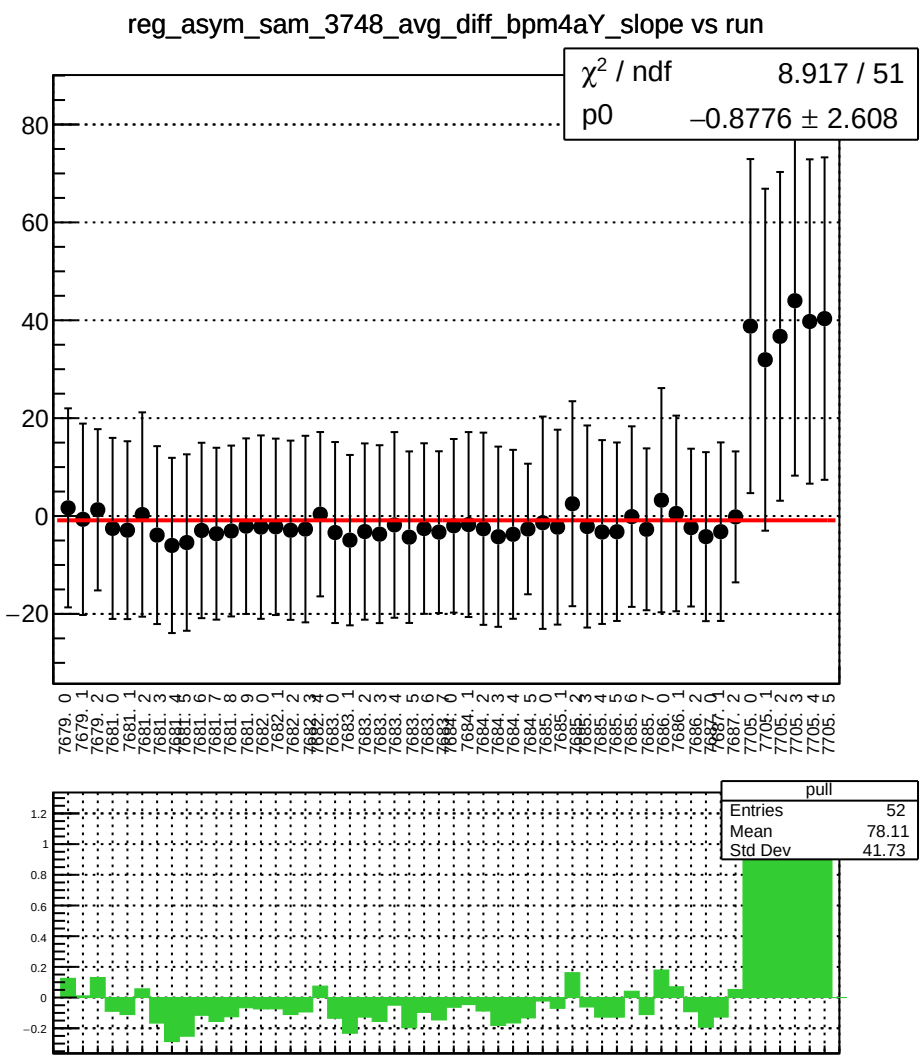

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.66 / 51
p0 81.64 ± 2.409
pull
Entries 52
Mean 108.7
Std Dev 73.4

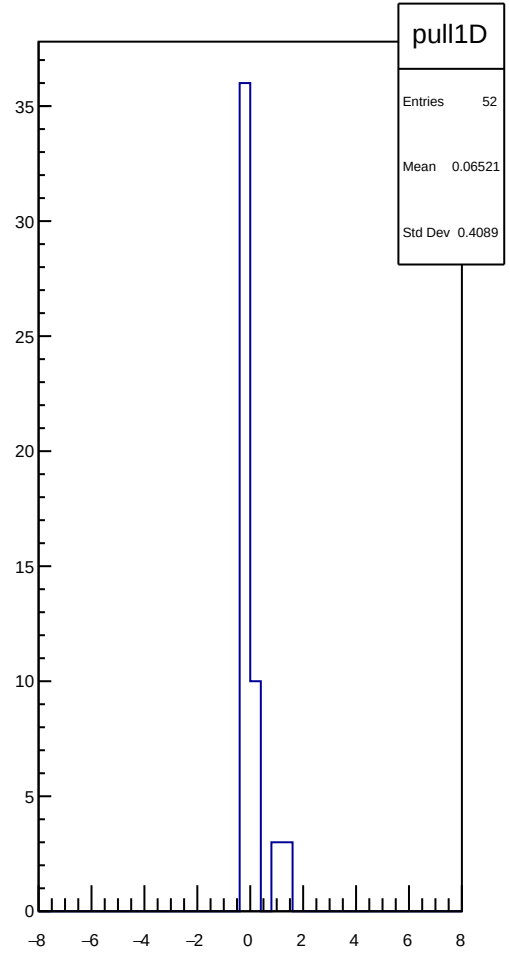

pull1D
Entries 52
Mean −0.05828
Std Dev 0.6121

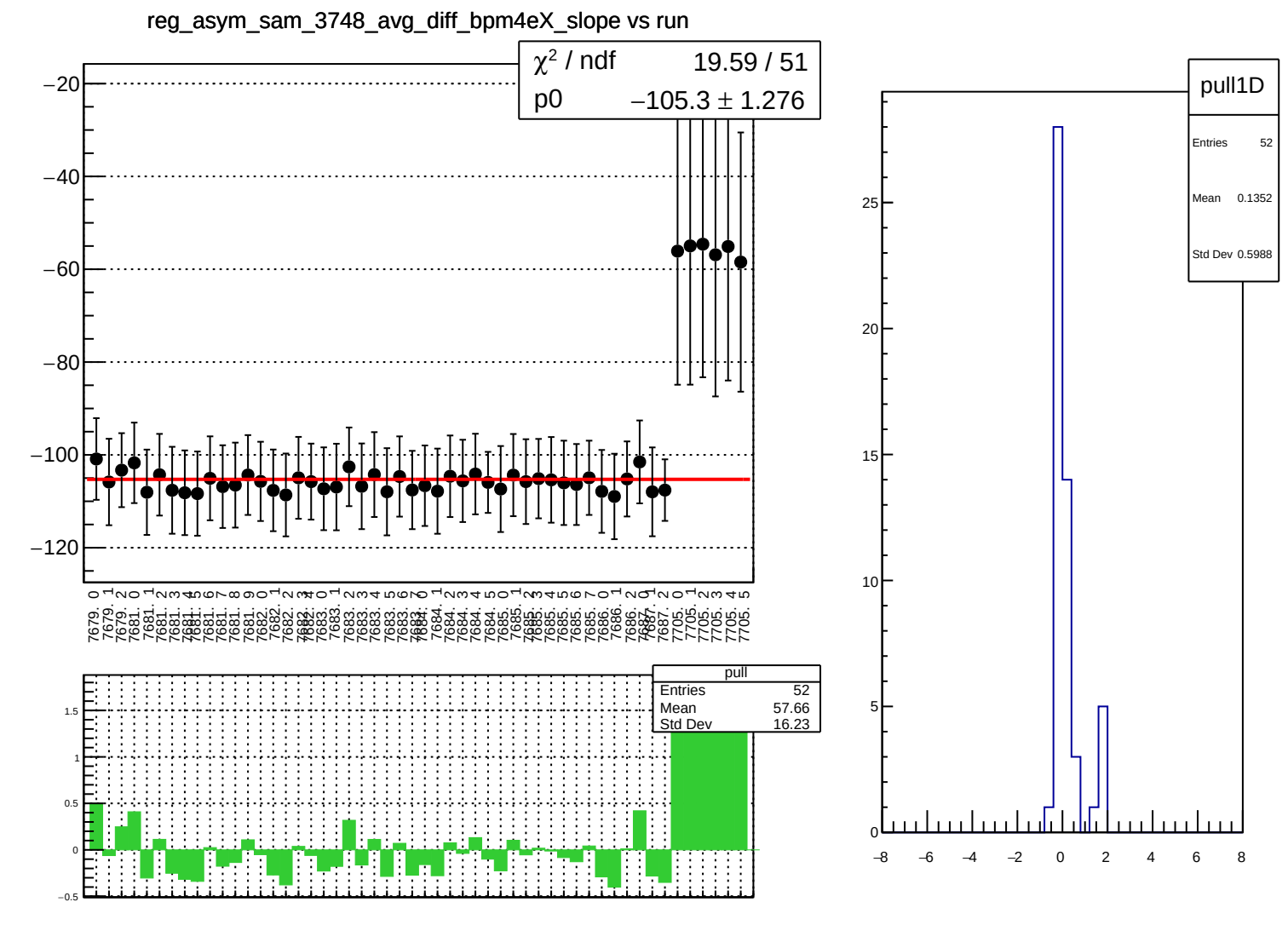

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 11.44 / 51
p0 0.1822 ± 0.1117
pull
Entries 52
Mean −46.55
Std Dev 77.67

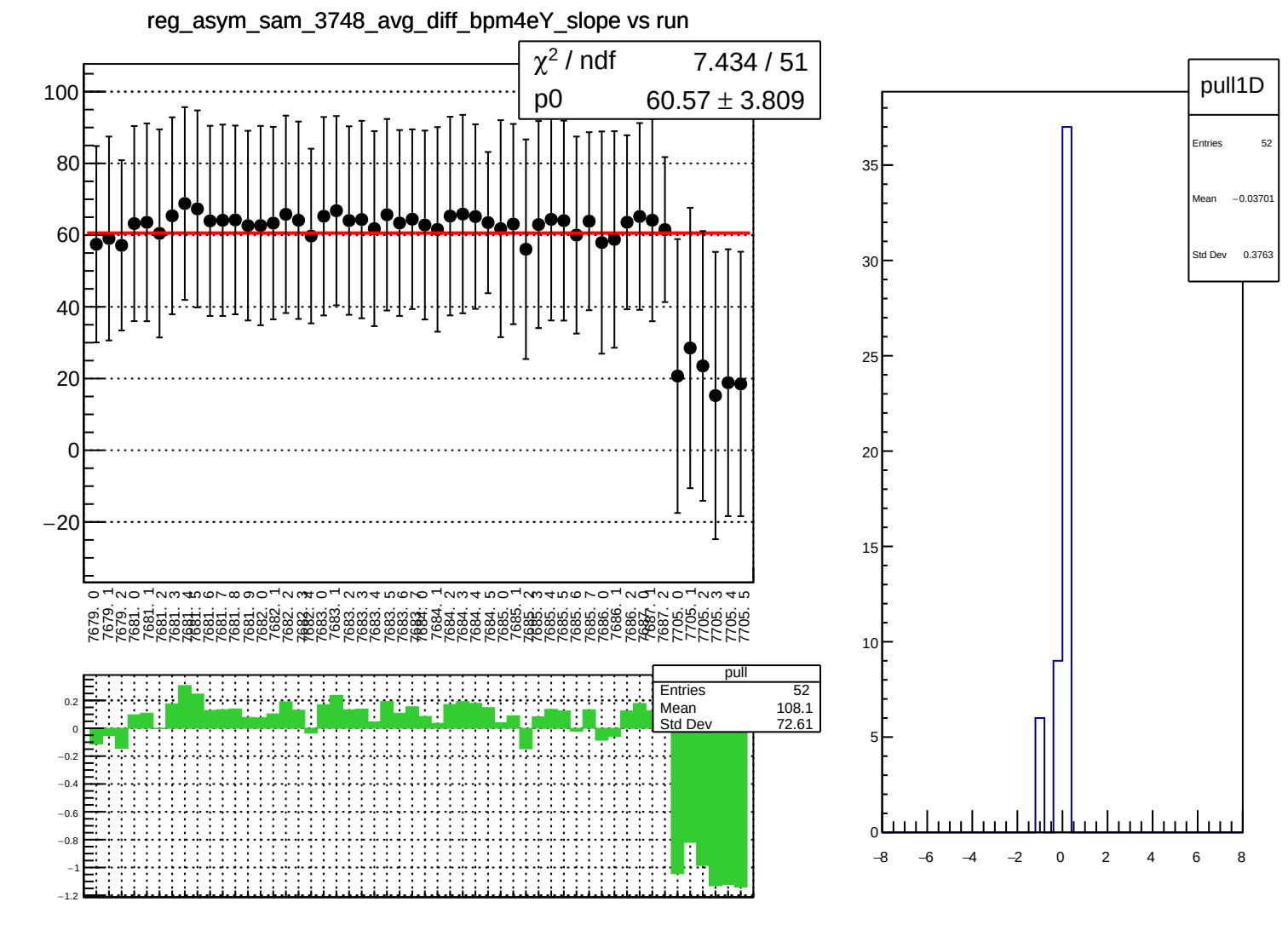

pull1D
Entries 52
Mean 0.05185
Std Dev 0.4662

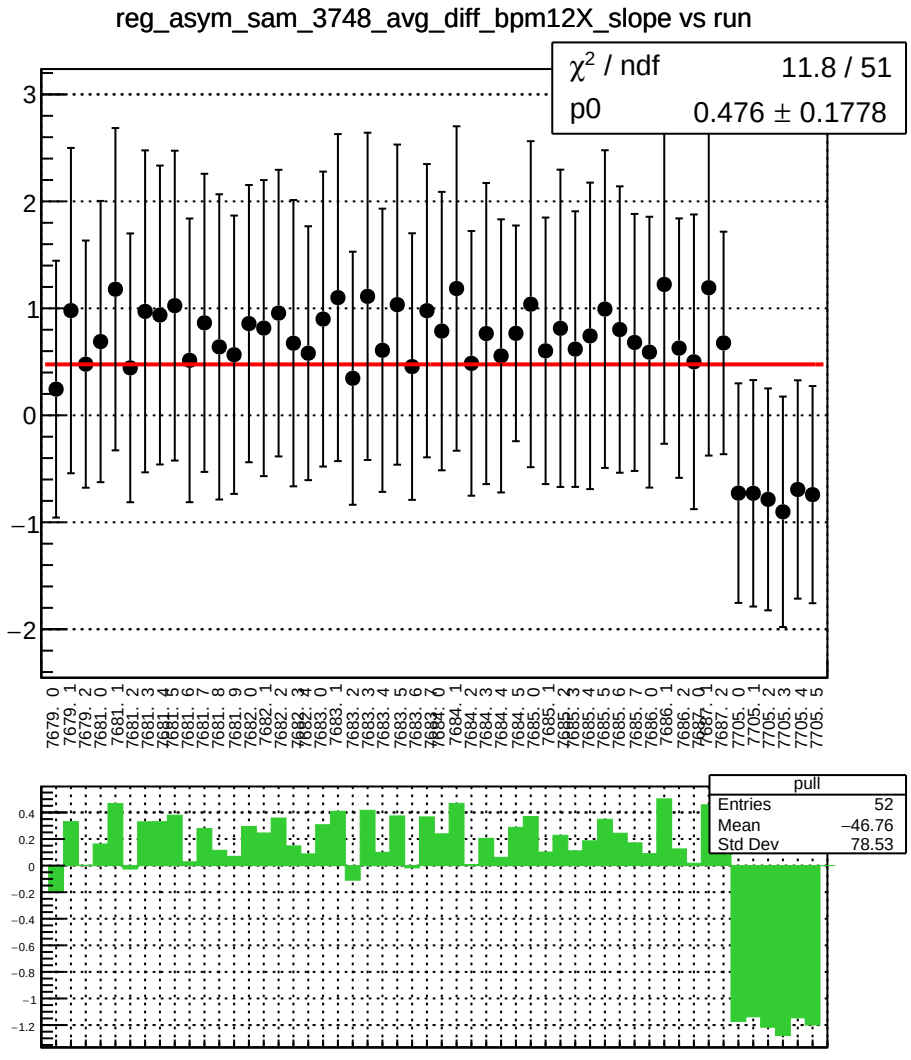

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 19.65 / 51
p0 15.24 ± 1.58
pull
Entries 52
Mean 60.53
Std Dev 20.05
pull1D
Entries 52
Mean −0.1249
Std Dev 0.6019

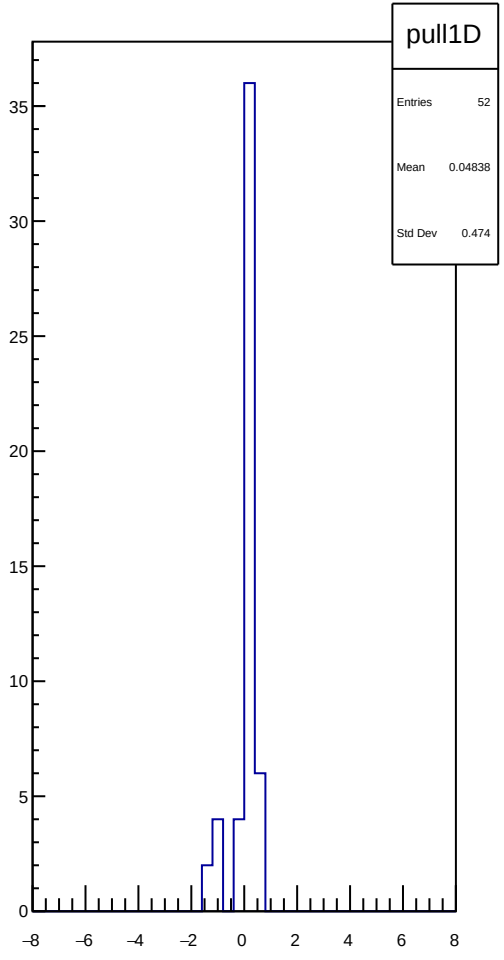

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.917 / 51
p0 −0.8776 ± 2.608
pull
Entries 52
Mean 78.11
Std Dev 41.73

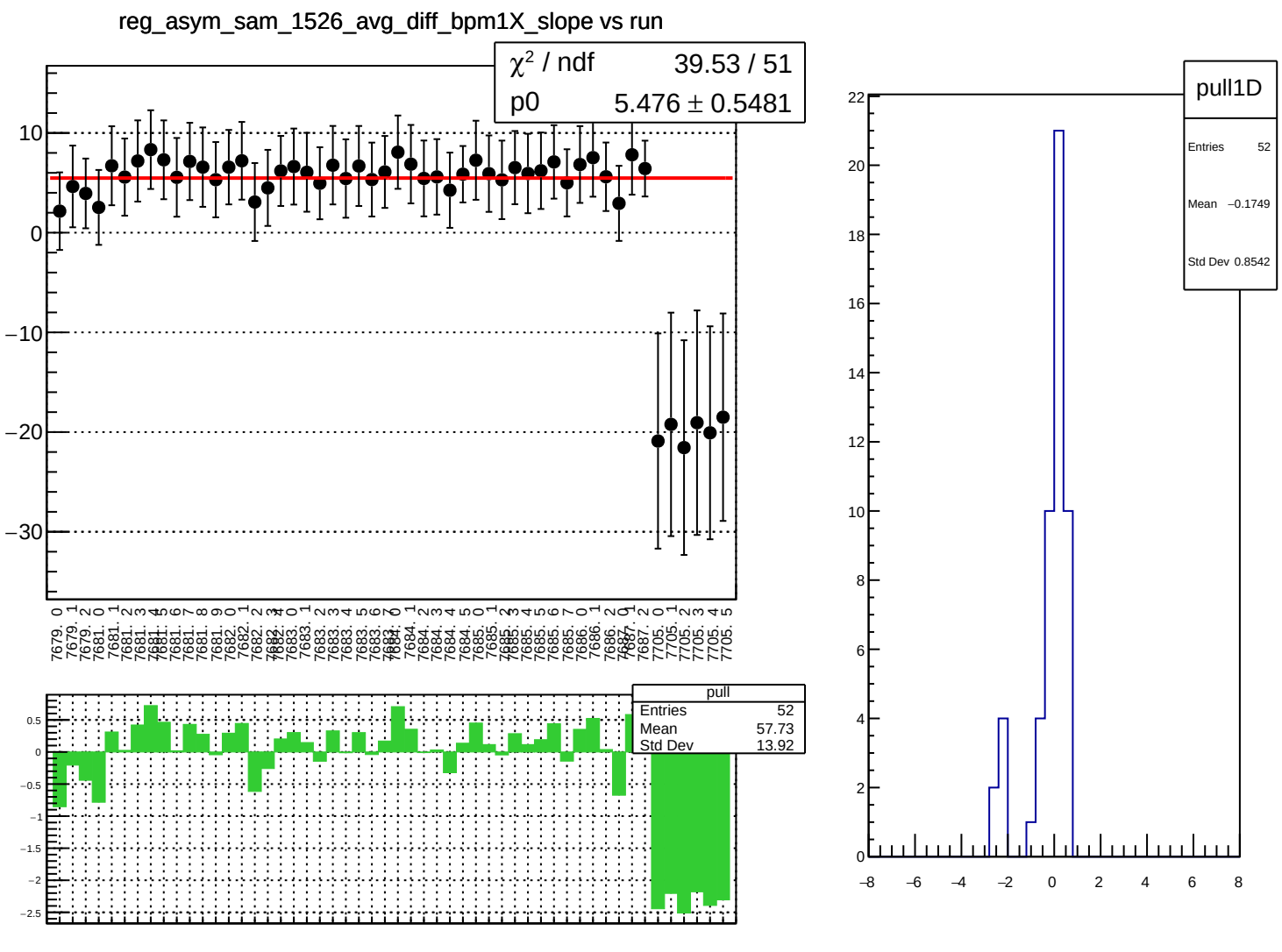

pull1D
Entries 52
Mean 0.06521
Std Dev 0.4089

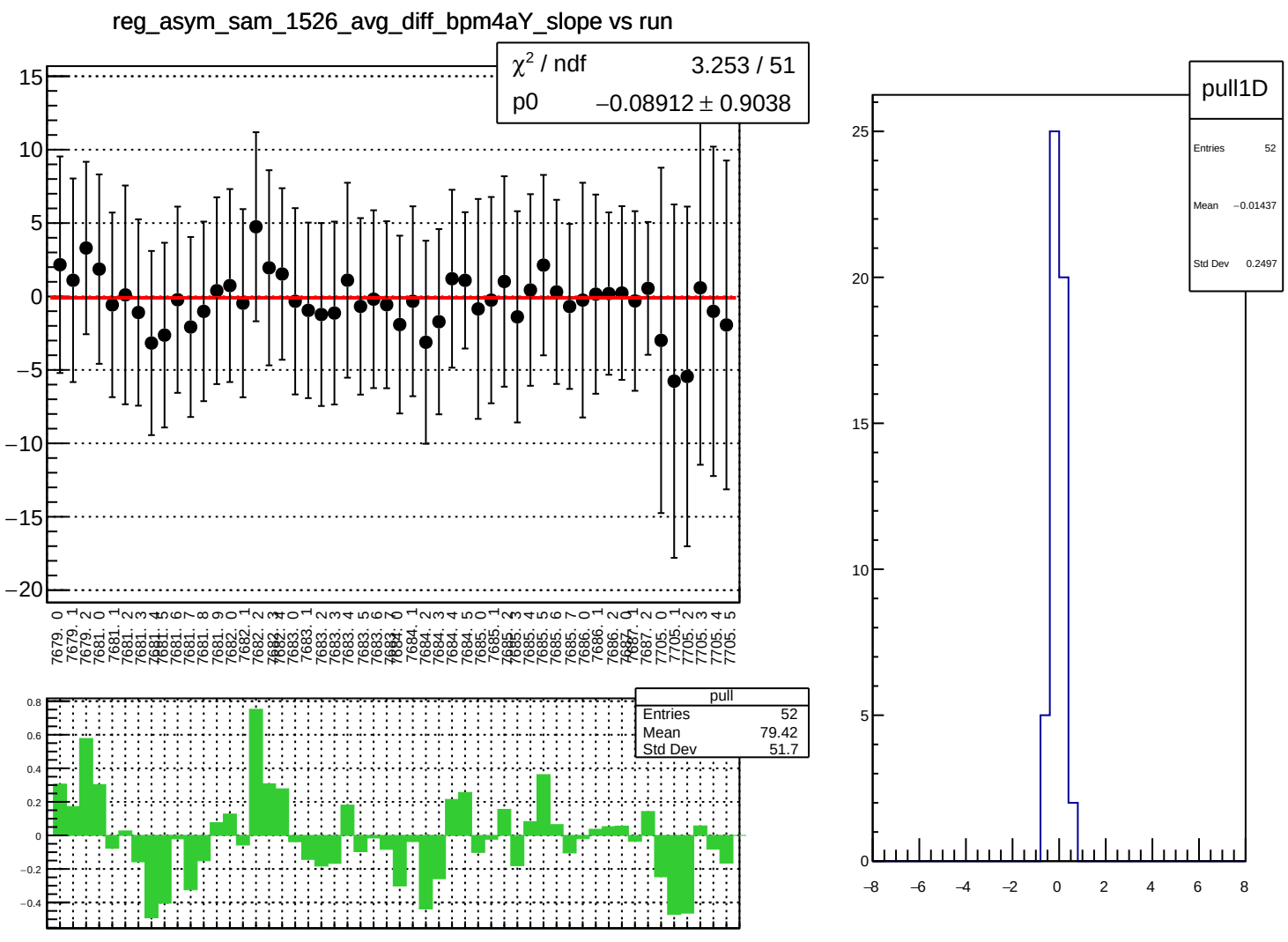

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.59 / 51
p0 −105.3 ± 1.276
pull
Entries 52
Mean 57.66
Std Dev 16.23
pull1D
Entries 52
Mean 0.1352
Std Dev 0.5988

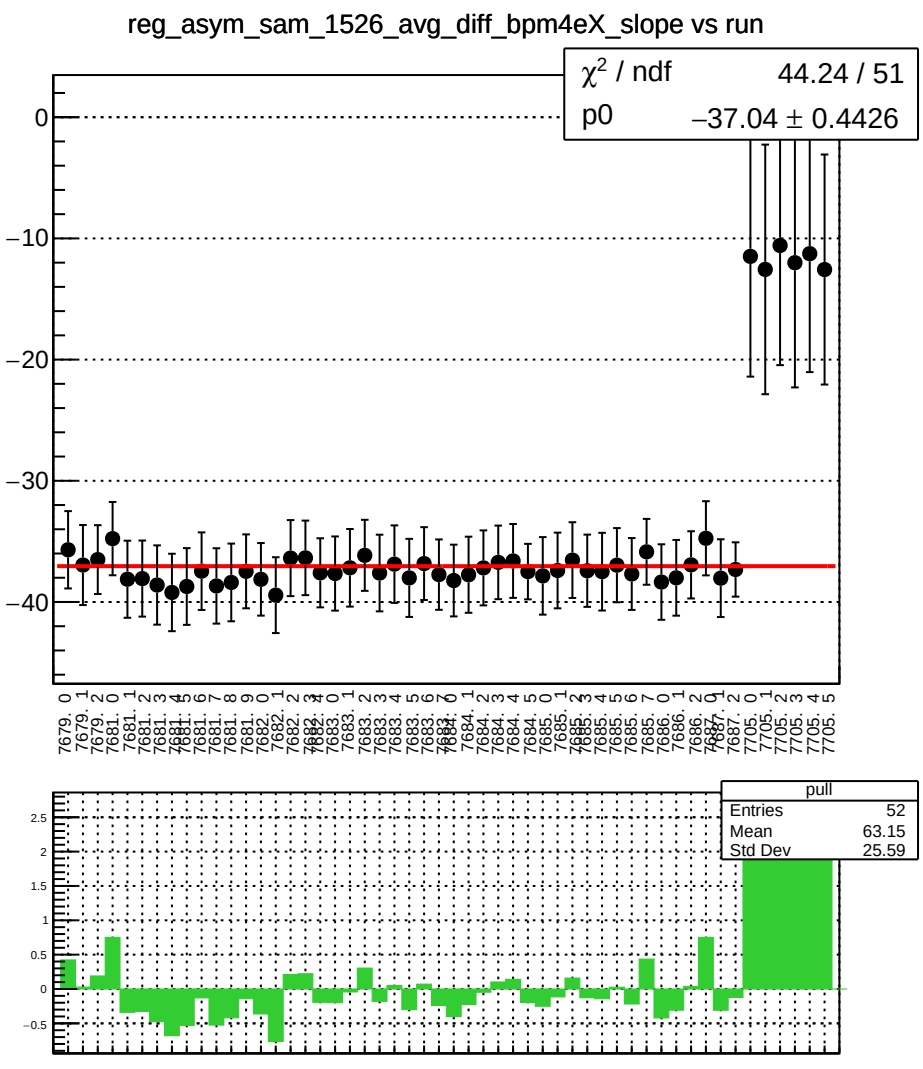

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.434 / 51
p0 60.57 ± 3.809
pull
Entries 52
Mean 108.1
Std Dev 72.61
pull1D
Entries 52
Mean −0.03701
Std Dev 0.3763

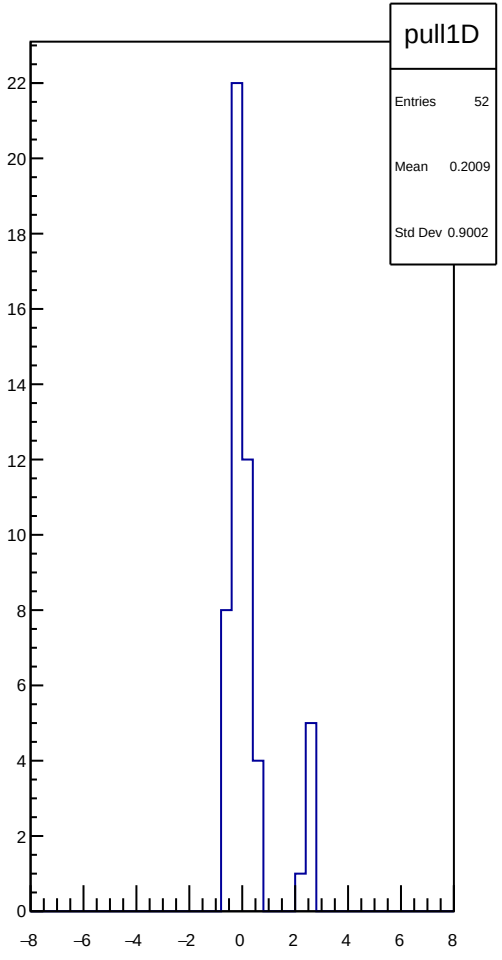

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 11.8 / 51
p0 0.476 ± 0.1778
pull
Entries 52
Mean −46.76
Std Dev 78.53

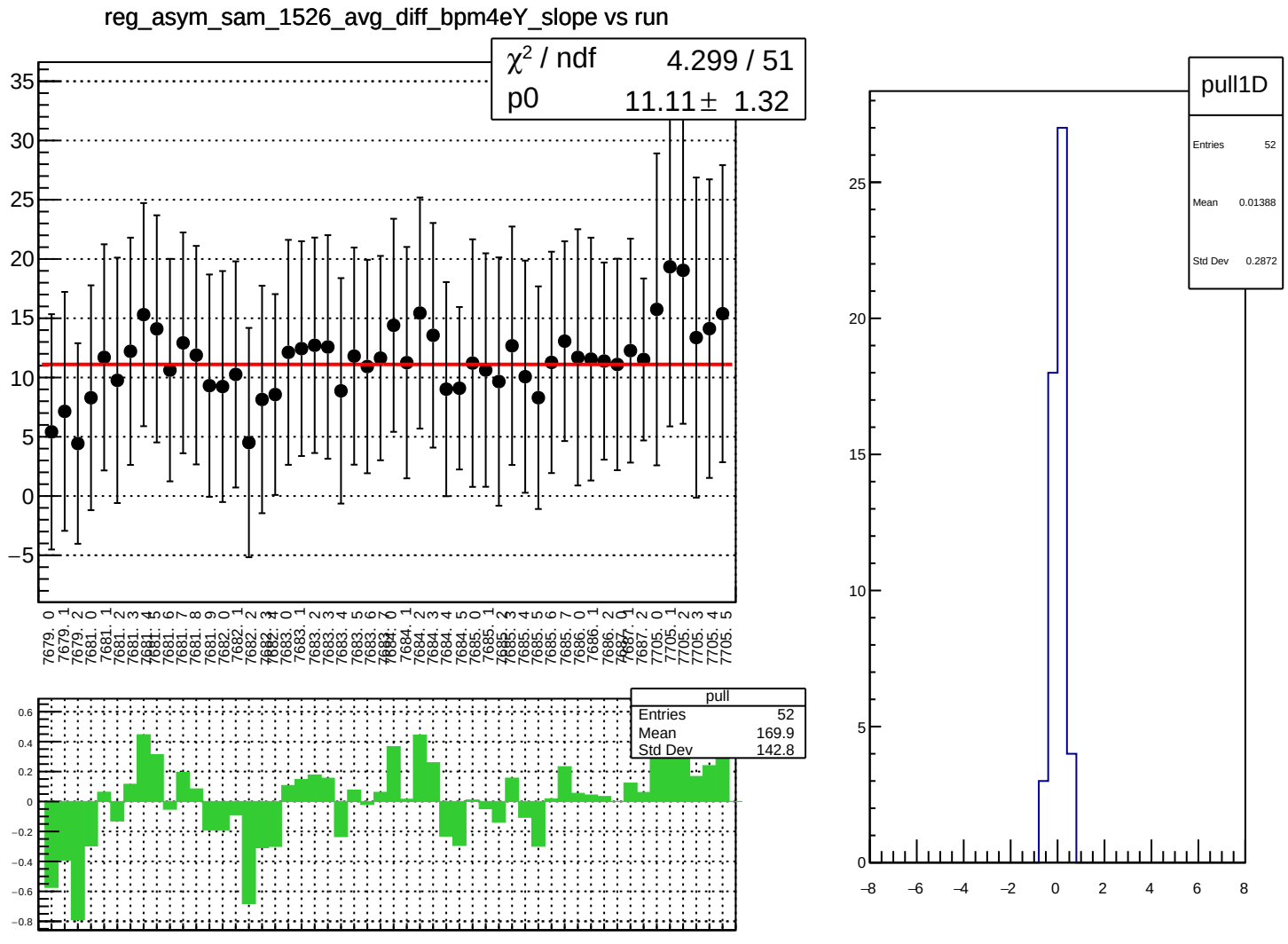

pull1D
Entries 52
Mean 0.04838
Std Dev 0.474

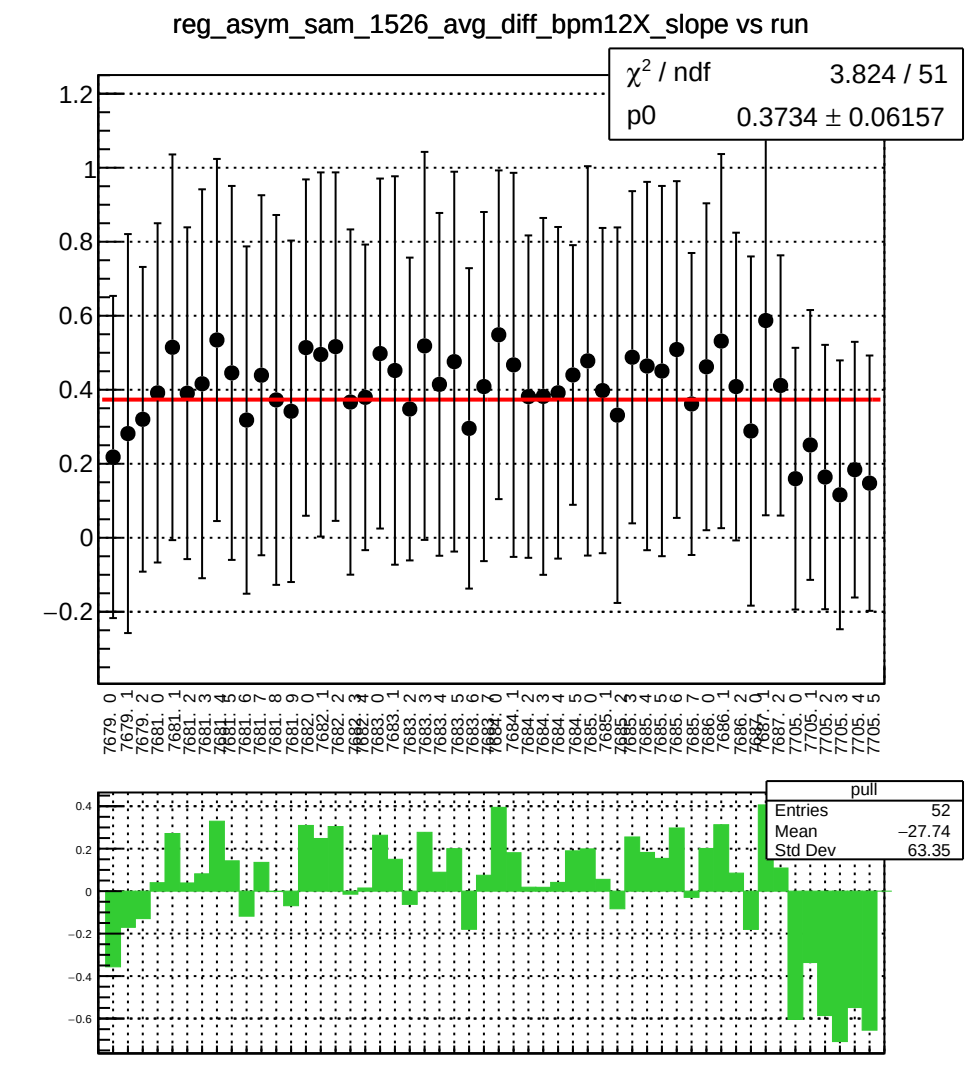

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 39.53 / 51
p0 5.476 ± 0.5481
pull
Entries 52
Mean 57.73
Std Dev 13.92
pull1D
Entries 52
Mean −0.1749
Std Dev 0.8542

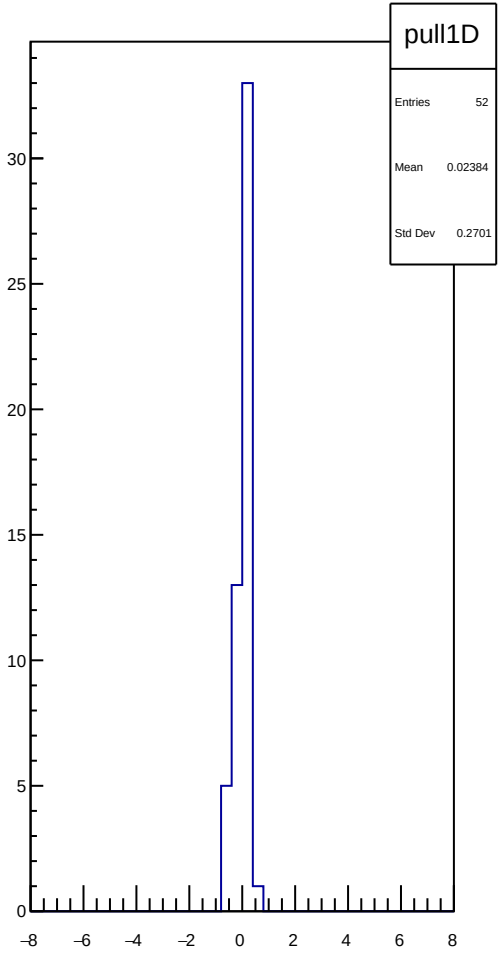

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.253 / 51
p0 −0.08912 ± 0.9038
pull
Entries 52
Mean 79.42
Std Dev 51.7
pull1D
Entries 52
Mean −0.01437
Std Dev 0.2497

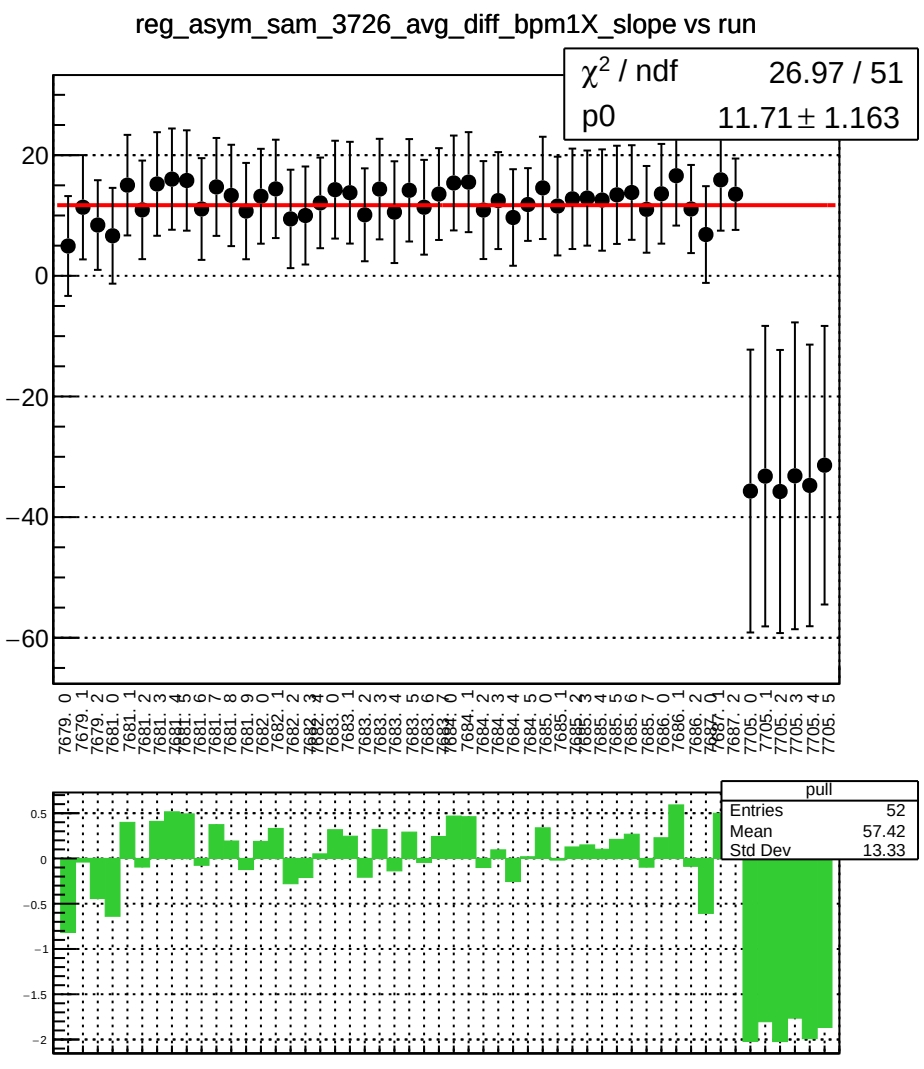

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.24 / 51
p0 −37.04 ± 0.4426
pull
Entries 52
Mean 63.15
Std Dev 25.59

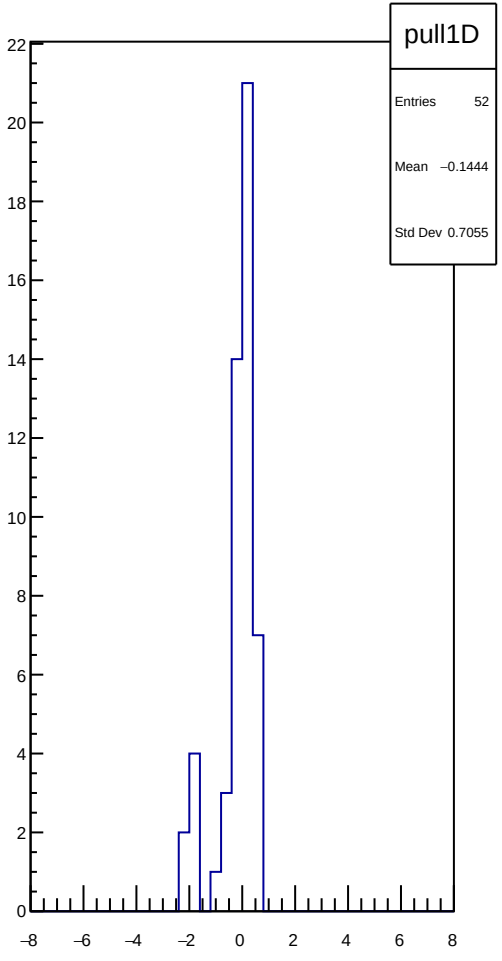

pull1D
Entries 52
Mean 0.2009
Std Dev 0.9002

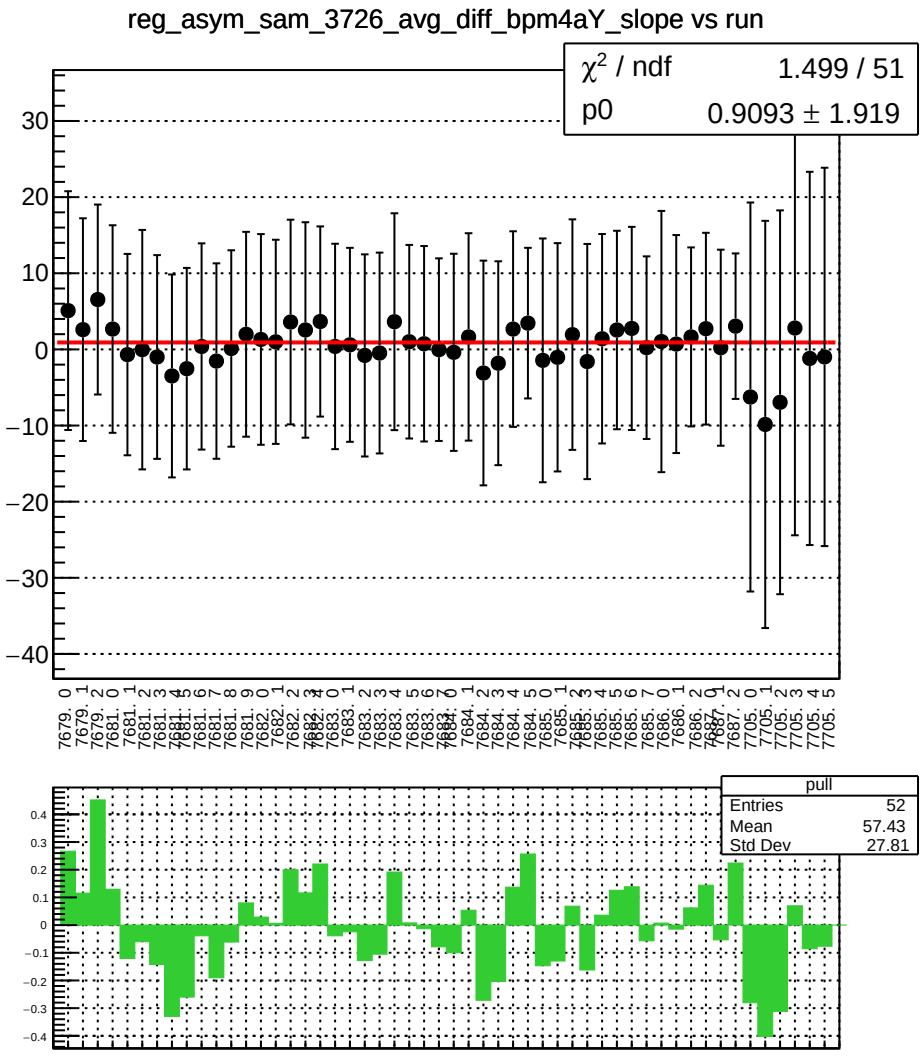

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.299 / 51
p0 11.11 ± 1.32
pull
Entries 52
Mean 169.9
Std Dev 142.8
pull1D
Entries 52
Mean 0.01388
Std Dev 0.2872

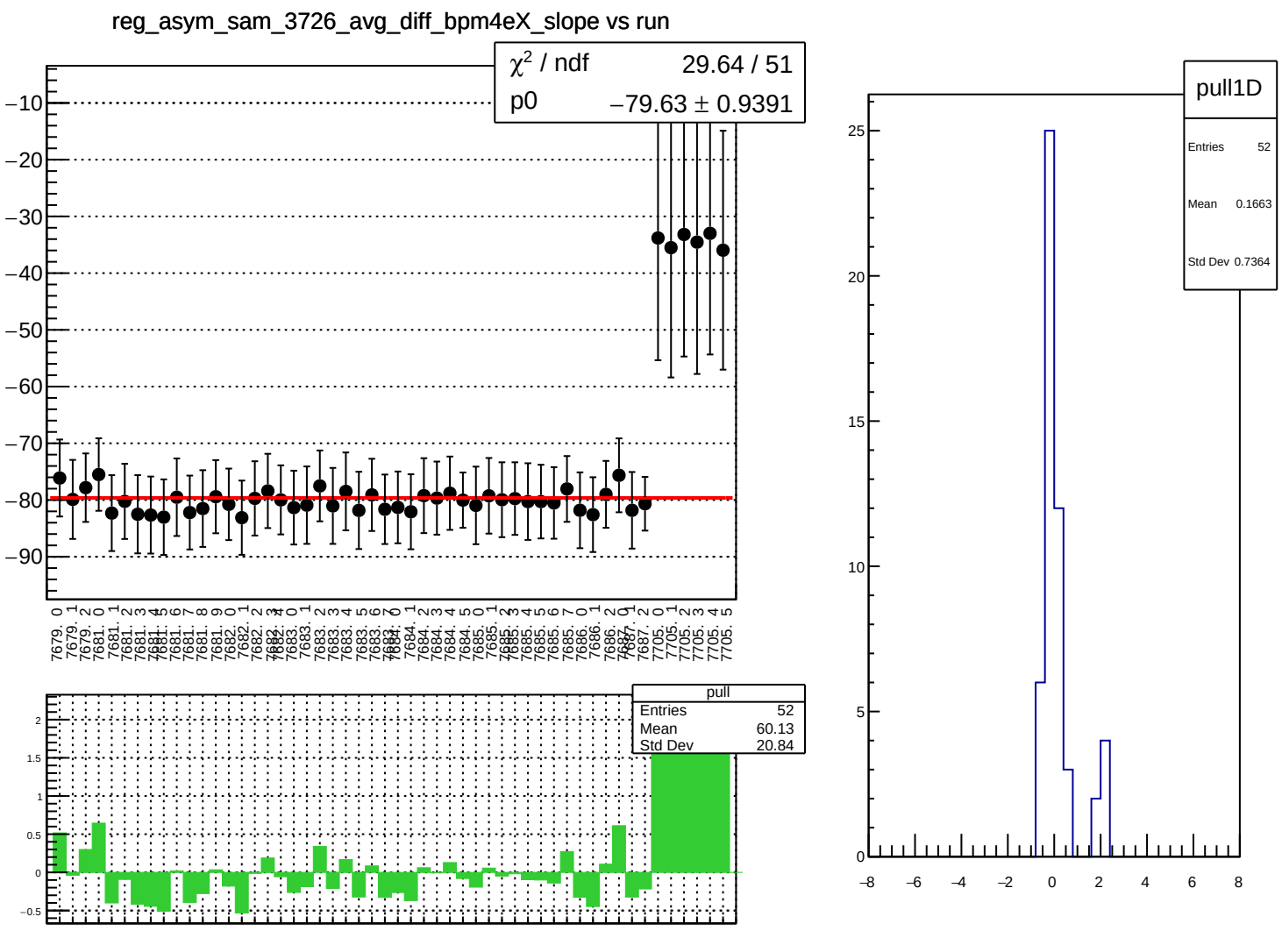

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 3.824 / 51
p0 0.3734 ± 0.06157
pull
Entries 52
Mean −27.74
Std Dev 63.35

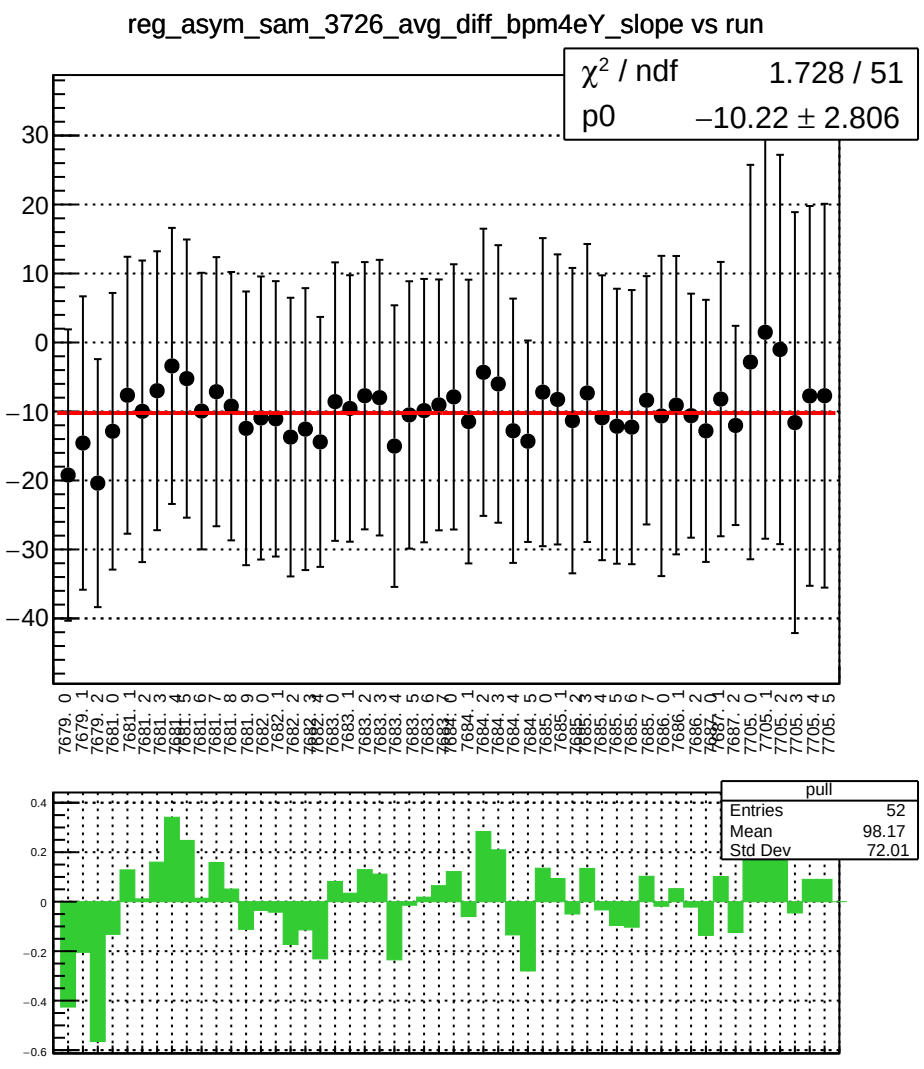

pull1D
Entries 52
Mean 0.02384
Std Dev 0.2701

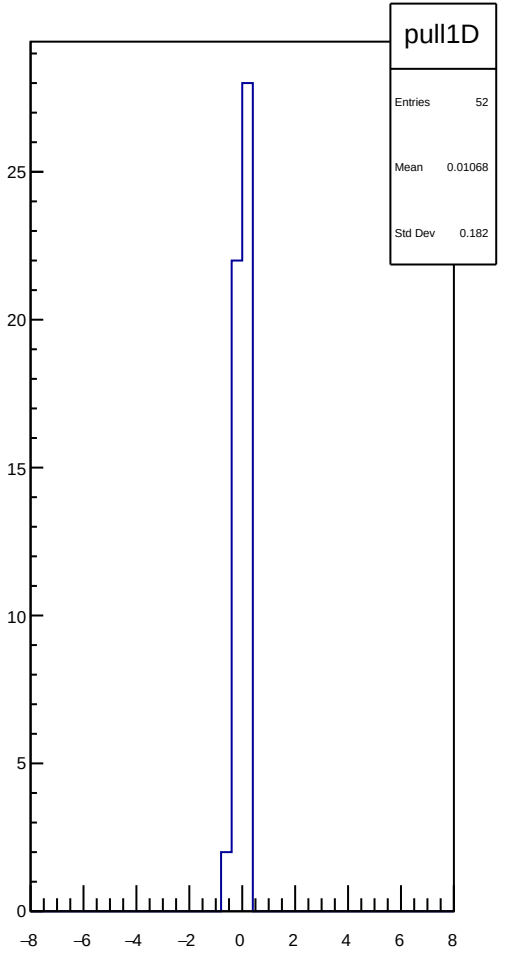

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 26.97 / 51
p0 11.71 ± 1.163
pull
Entries 52
Mean 57.42
Std Dev 13.33

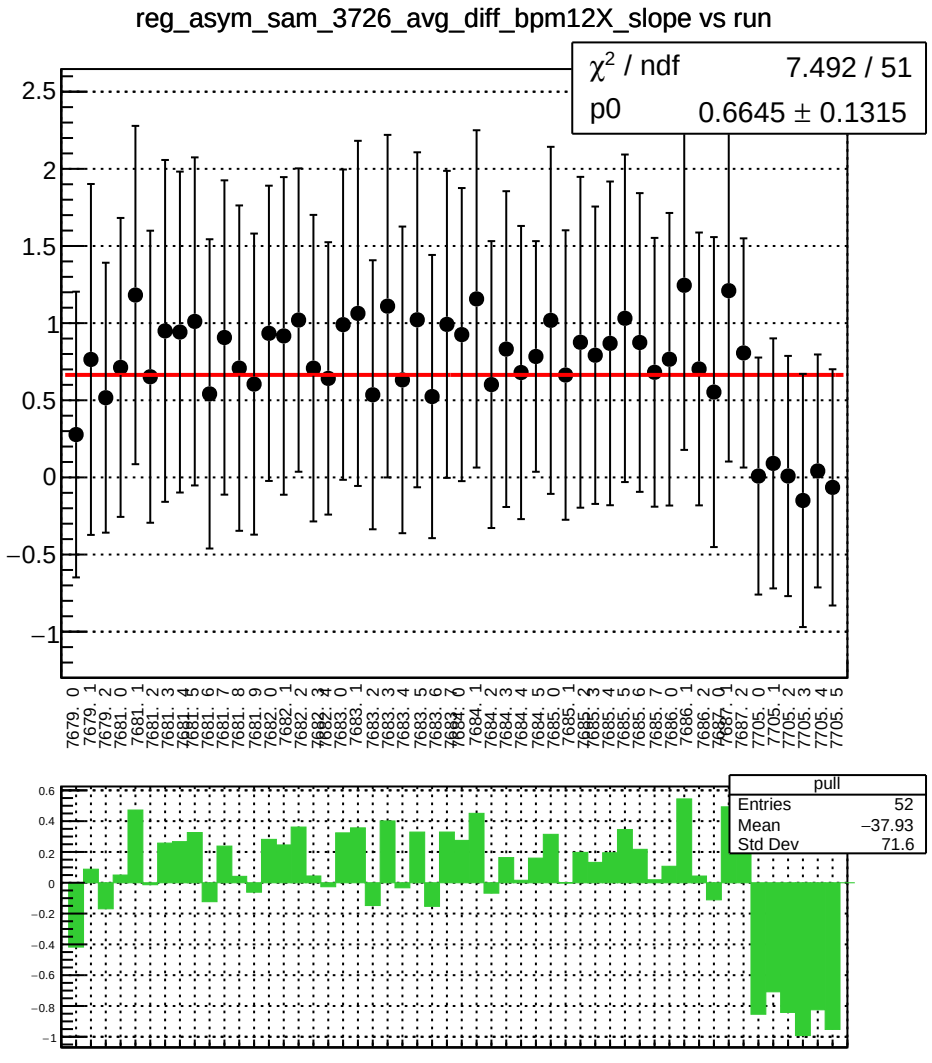

pull1D
Entries 52
Mean −0.1444
Std Dev 0.7055

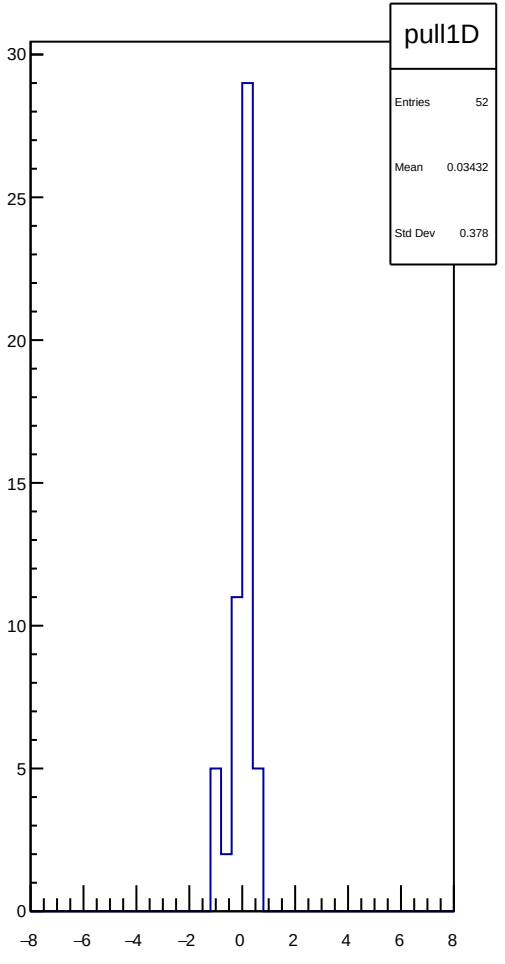

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.499 / 51
p0 0.9093 ± 1.919
pull
Entries 52
Mean 57.43
Std Dev 27.81
pull1D
Entries 52
Mean −0.01437
Std Dev 0.1692

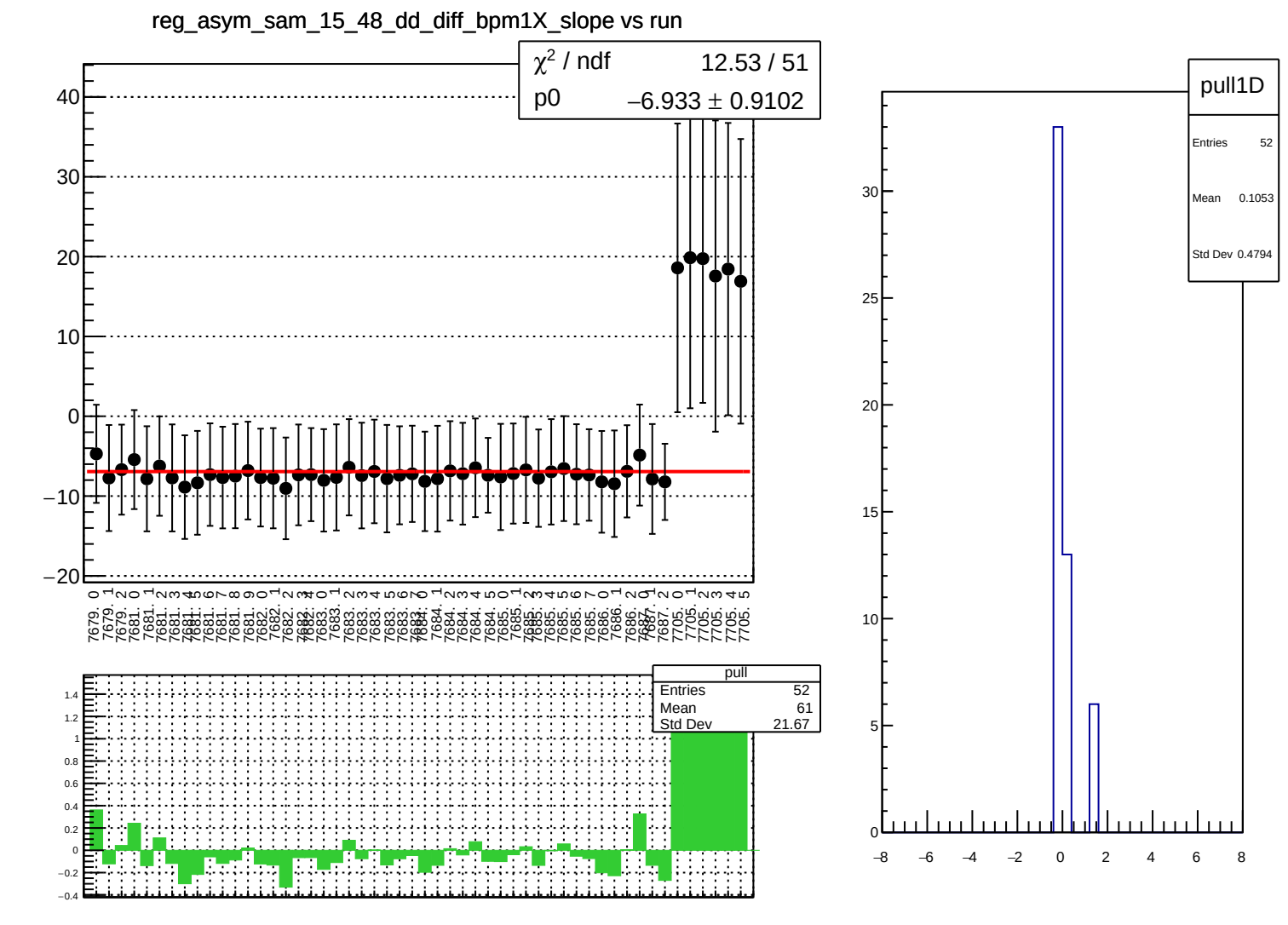

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.64 / 51
p0 −79.63 ± 0.9391
pull
Entries 52
Mean 60.13
Std Dev 20.84
pull1D
Entries 52
Mean 0.1663
Std Dev 0.7364

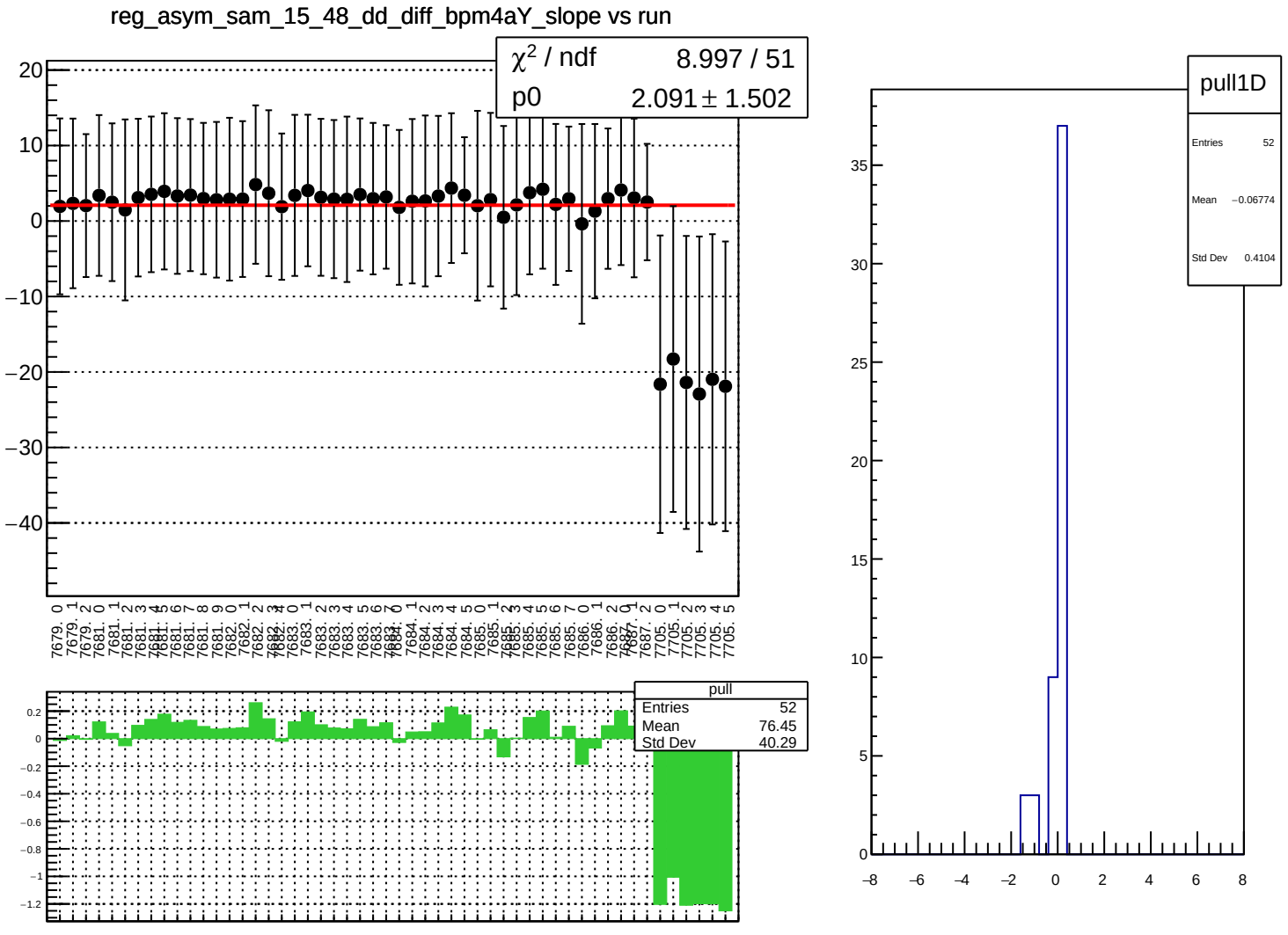

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.728 / 51
p0 −10.22 ± 2.806
pull
Entries 52
Mean 98.17
Std Dev 72.01

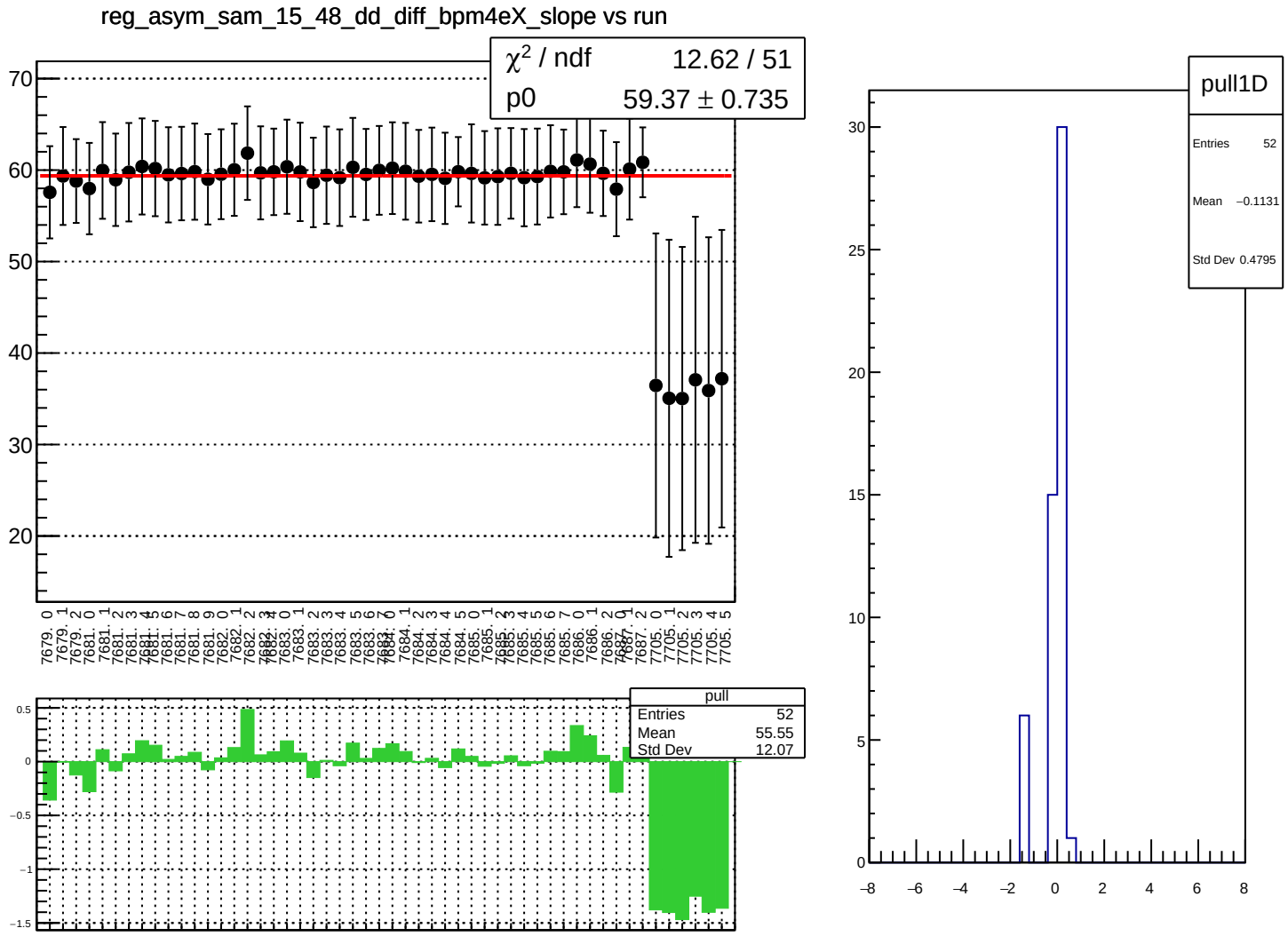

pull1D
Entries 52
Mean 0.01068
Std Dev 0.182

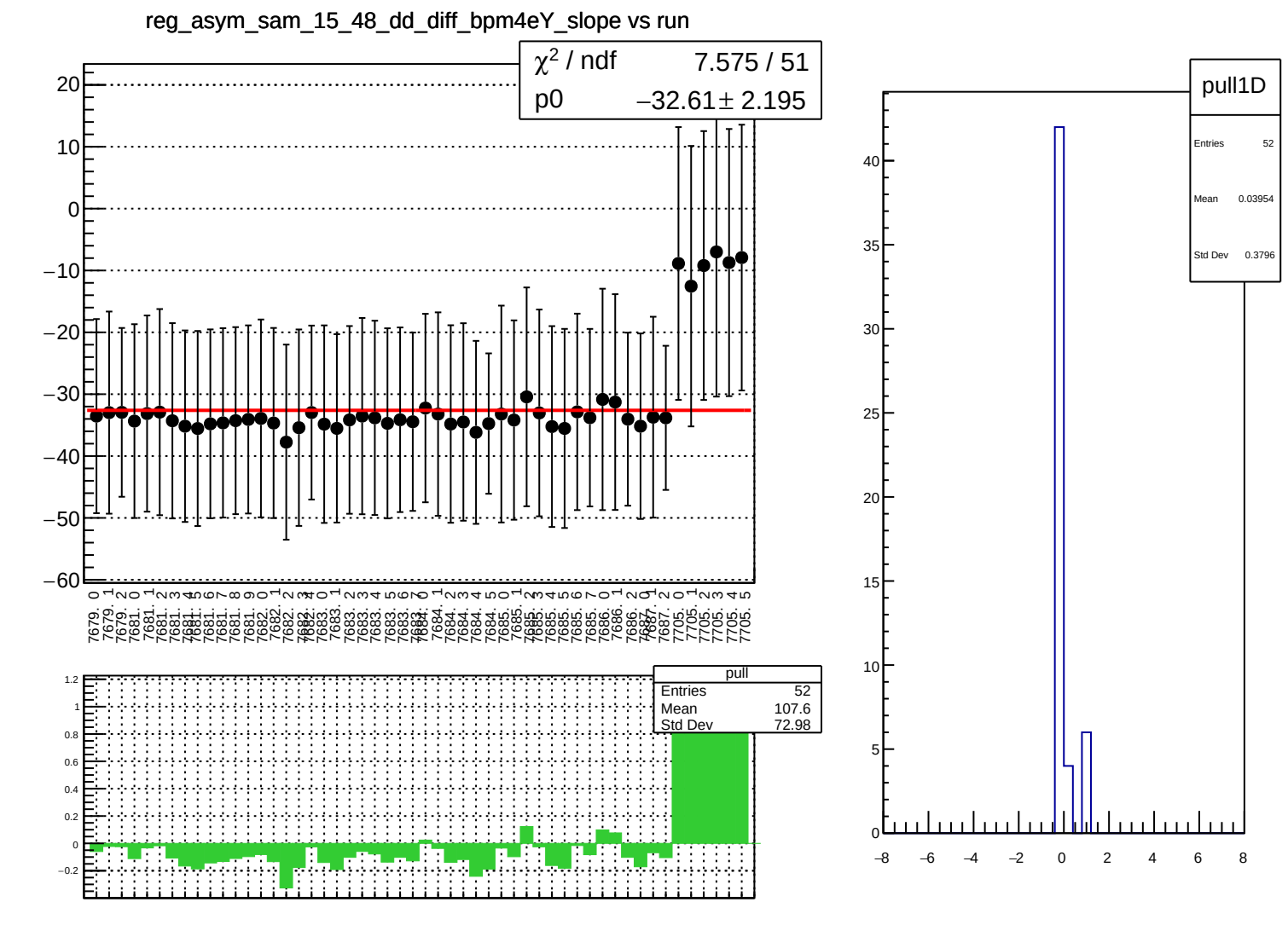

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 7.492 / 51
p0 0.6645 ± 0.1315
pull
Entries 52
Mean −37.93
Std Dev 71.6

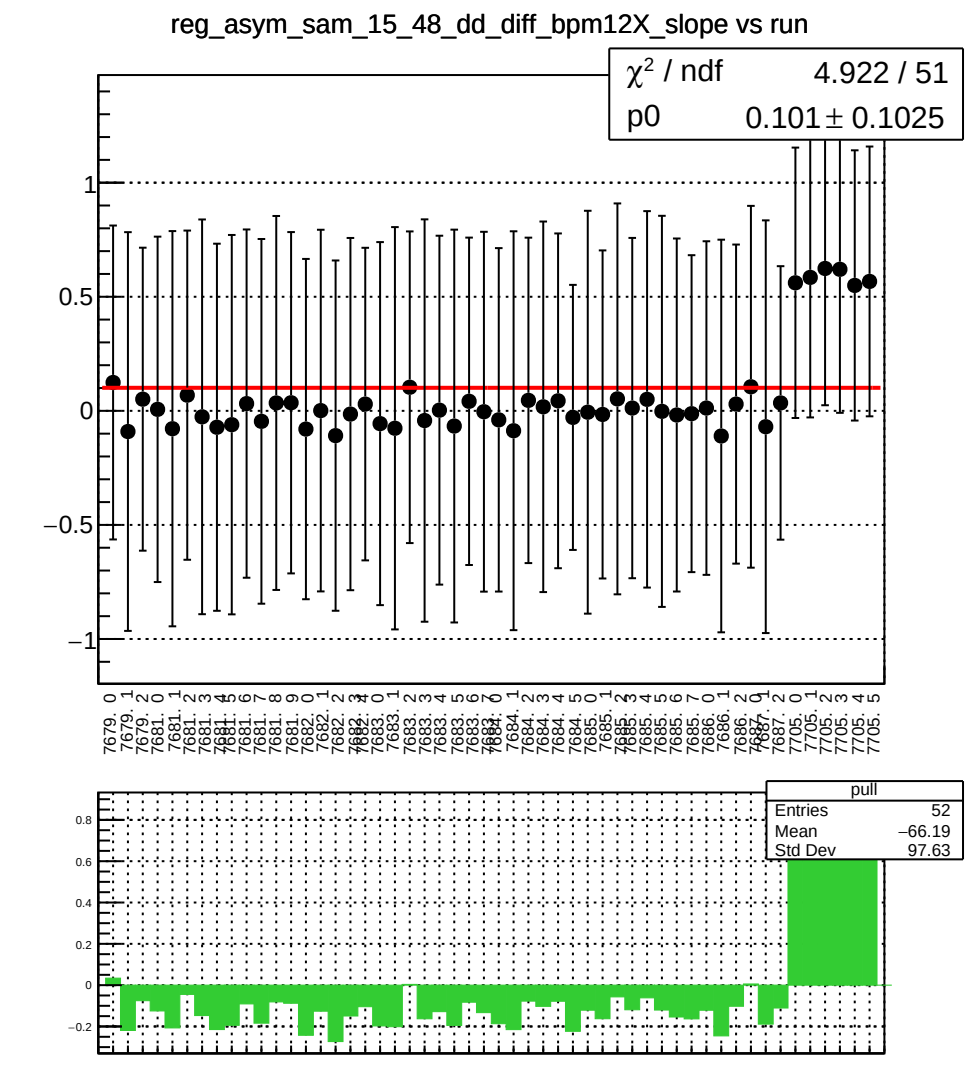

pull1D
Entries 52
Mean 0.03432
Std Dev 0.378

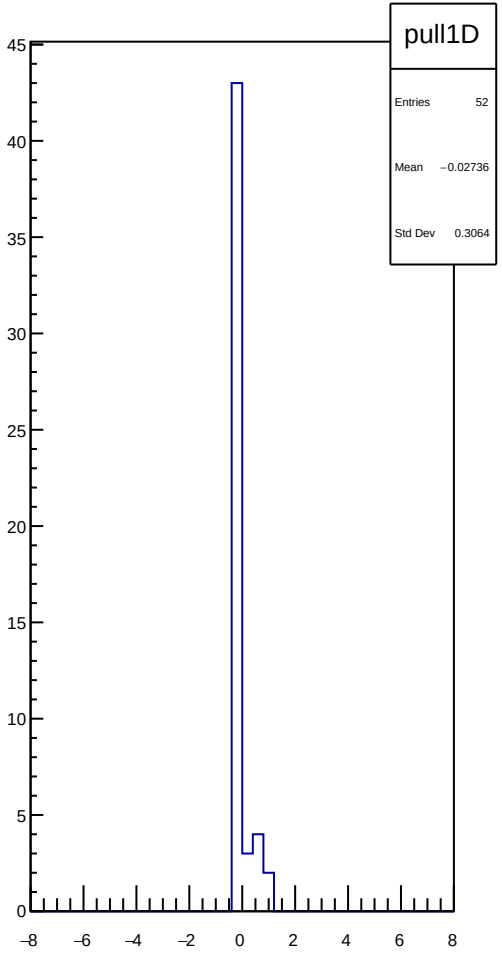

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 12.53 / 51
p0 −6.933 ± 0.9102
pull
Entries 52
Mean 61
Std Dev 21.67
pull1D
Entries 52
Mean 0.1053
Std Dev 0.4794

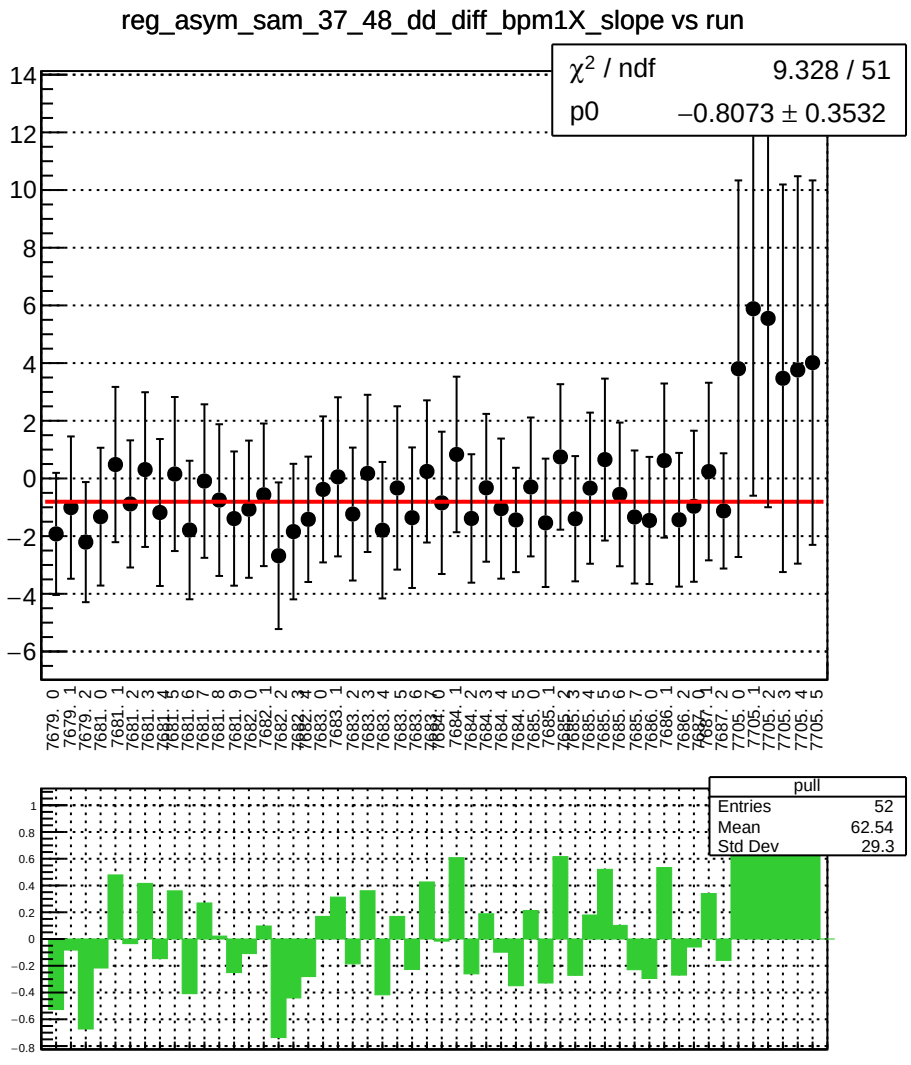

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.997 / 51
p0 2.091 ± 1.502
pull
Entries 52
Mean 76.45
Std Dev 40.29
pull1D
Entries 52
Mean −0.06774
Std Dev 0.4104

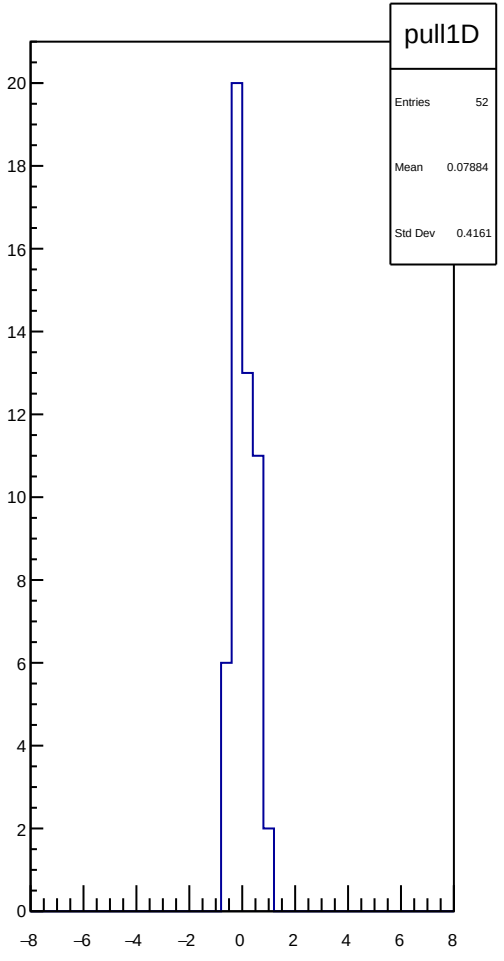

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.62 / 51
p0 59.37 ± 0.735
pull
Entries 52
Mean 55.55
Std Dev 12.07
pull1D
Entries 52
Mean −0.1131
Std Dev 0.4795

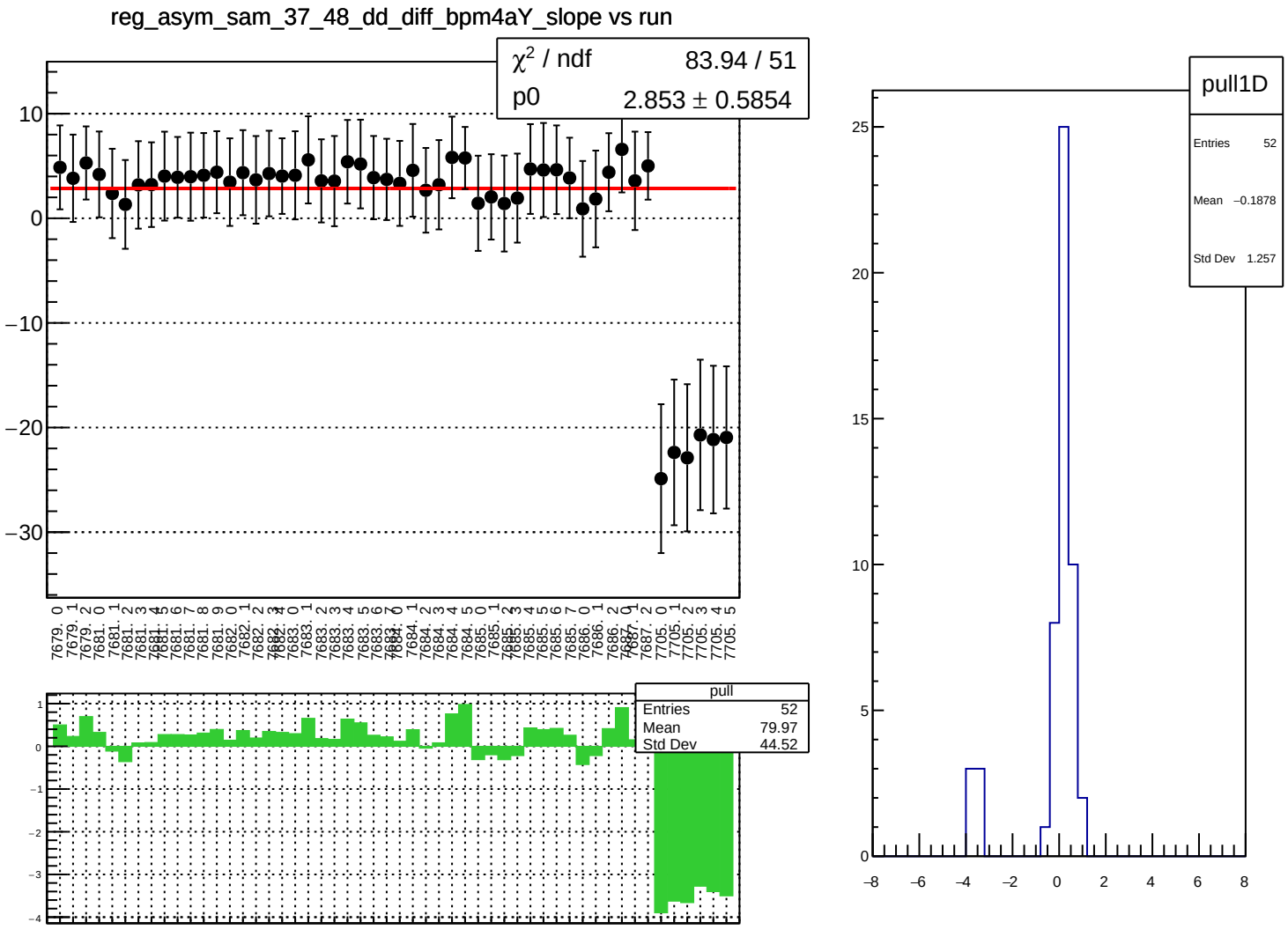

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.575 / 51
p0 −32.61 ± 2.195
pull
Entries 52
Mean 107.6
Std Dev 72.98
pull1D
Entries 52
Mean 0.03954
Std Dev 0.3796

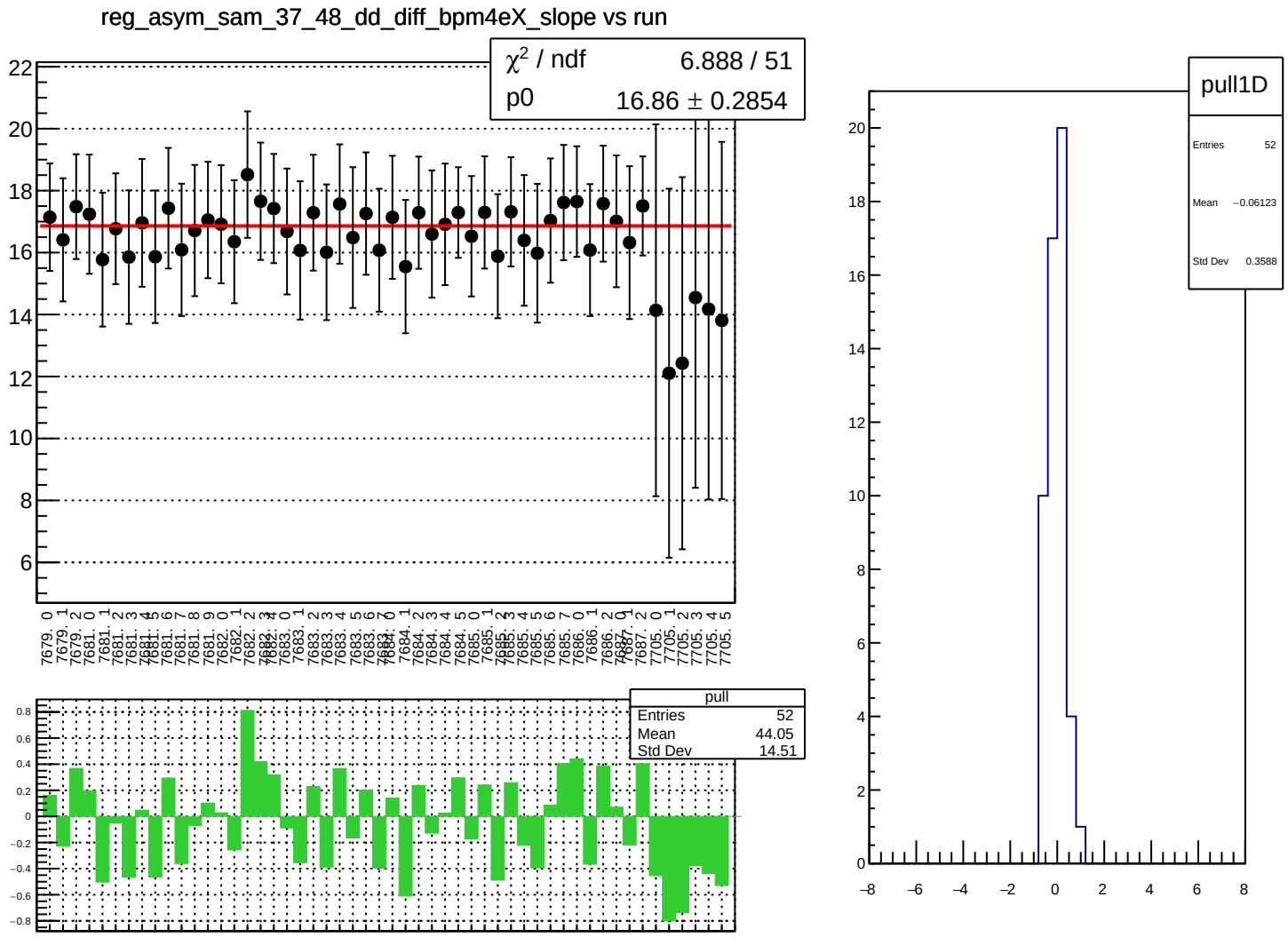

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.922 / 51
p0 0.101 ± 0.1025
pull
Entries 52
Mean −66.19
Std Dev 97.63

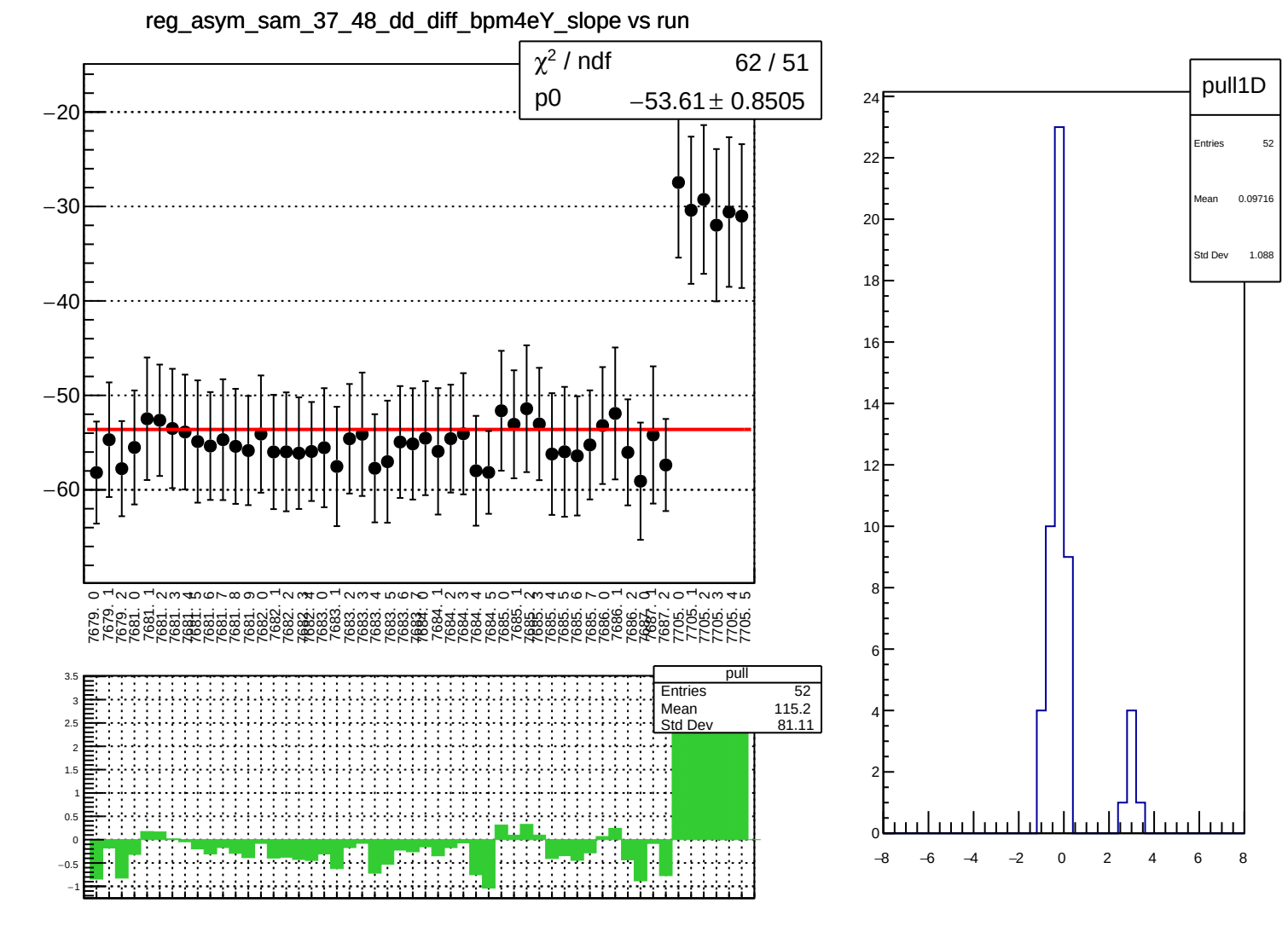

pull1D
Entries 52
Mean −0.02736
Std Dev 0.3064

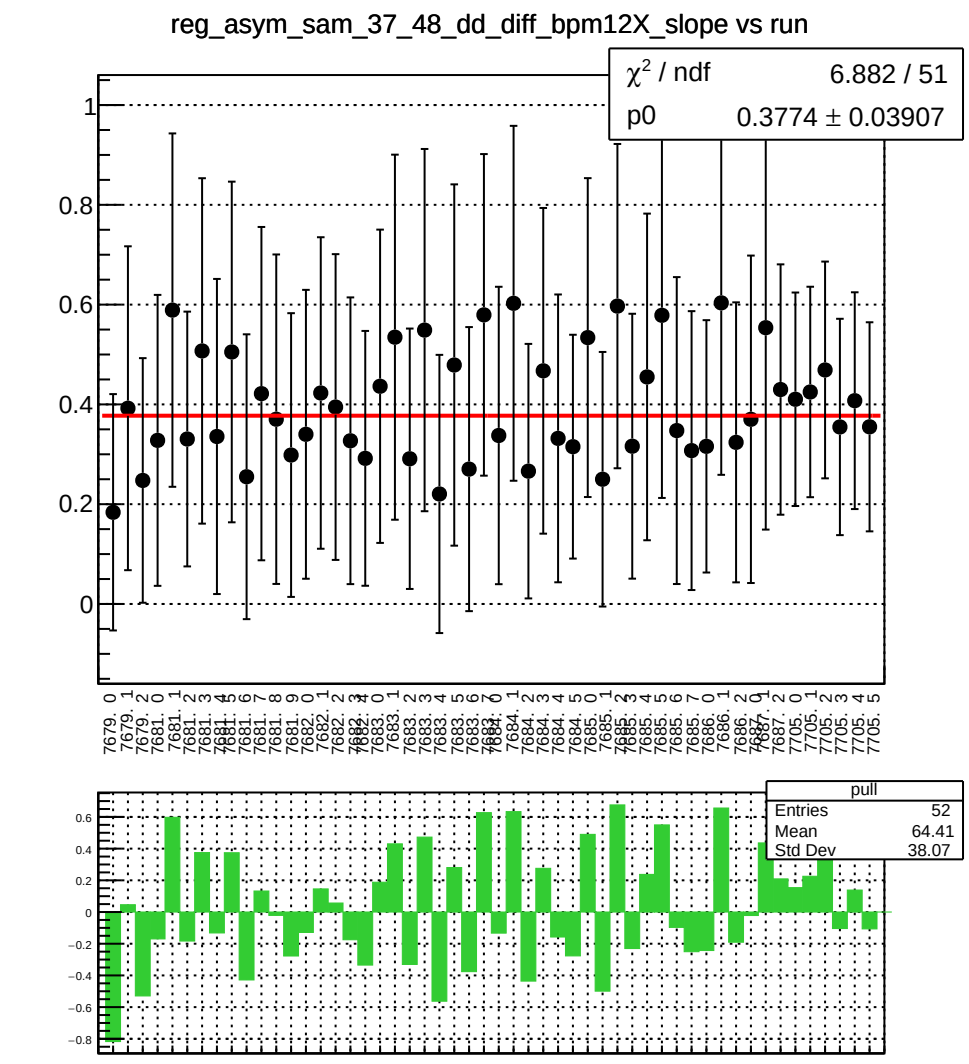

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.328 / 51
p0 −0.8073 ± 0.3532
pull
Entries 52
Mean 62.54
Std Dev 29.3

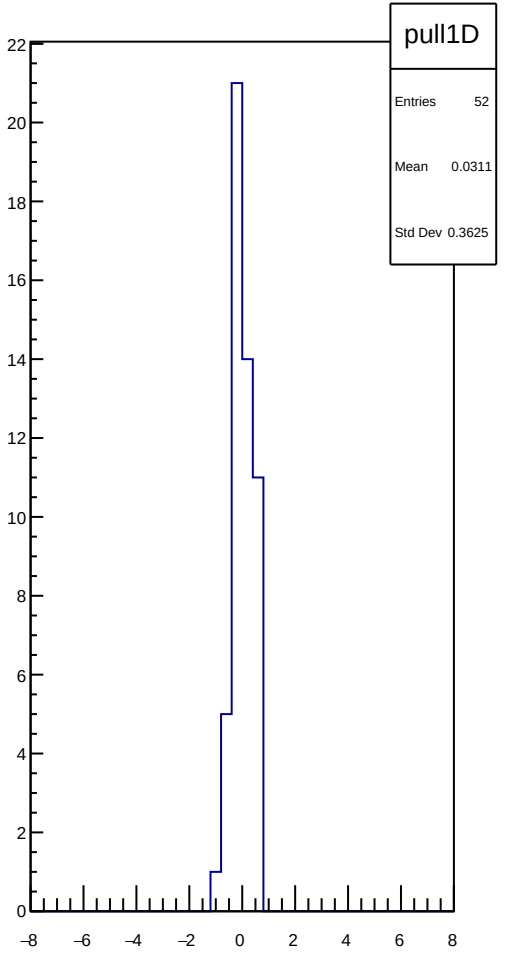

pull1D
Entries 52
Mean 0.07884
Std Dev 0.4161

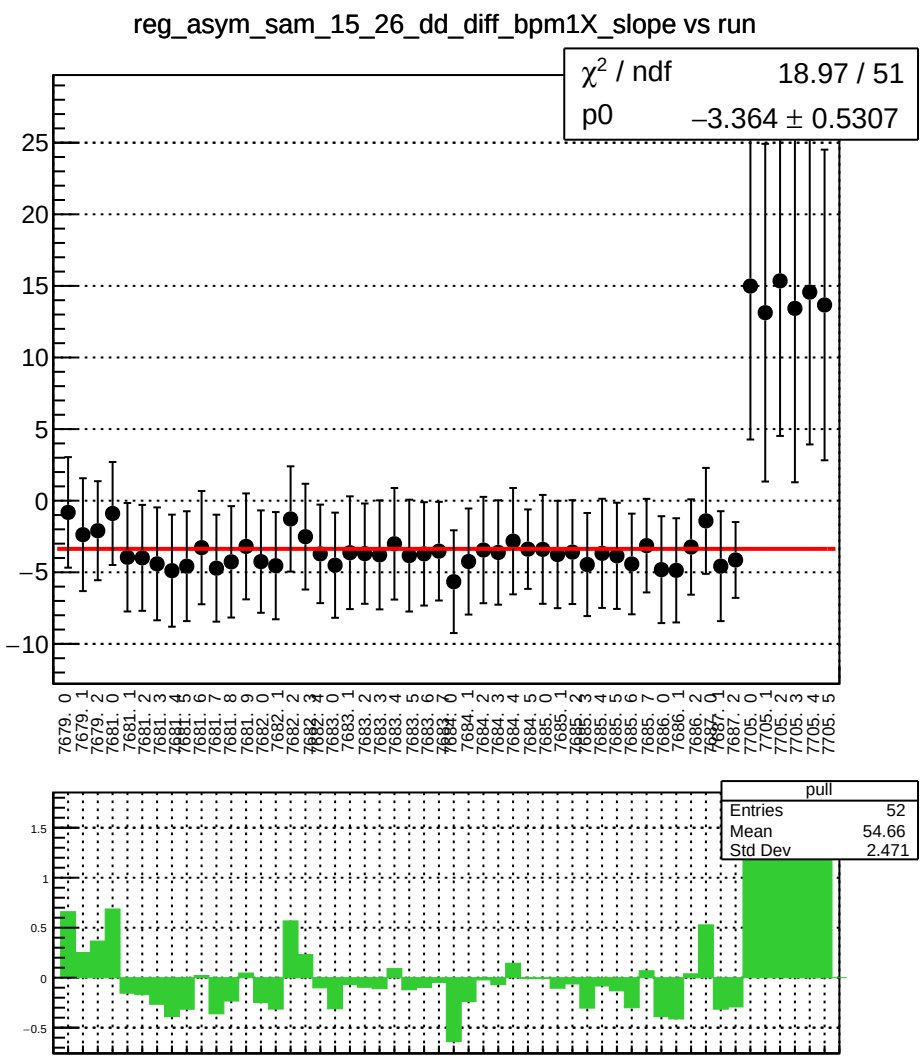

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 83.94 / 51
p0 2.853 ± 0.5854
pull
Entries 52
Mean 79.97
Std Dev 44.52
pull1D
Entries 52
Mean −0.1878
Std Dev 1.257

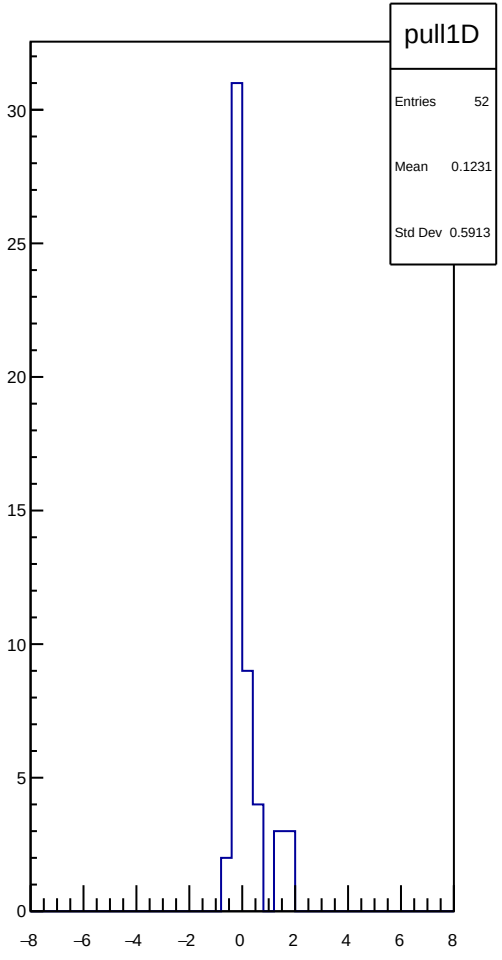

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.888 / 51
p0 16.86 ± 0.2854
pull
Entries 52
Mean 44.05
Std Dev 14.51
pull1D
Entries 52
Mean −0.06123
Std Dev 0.3588

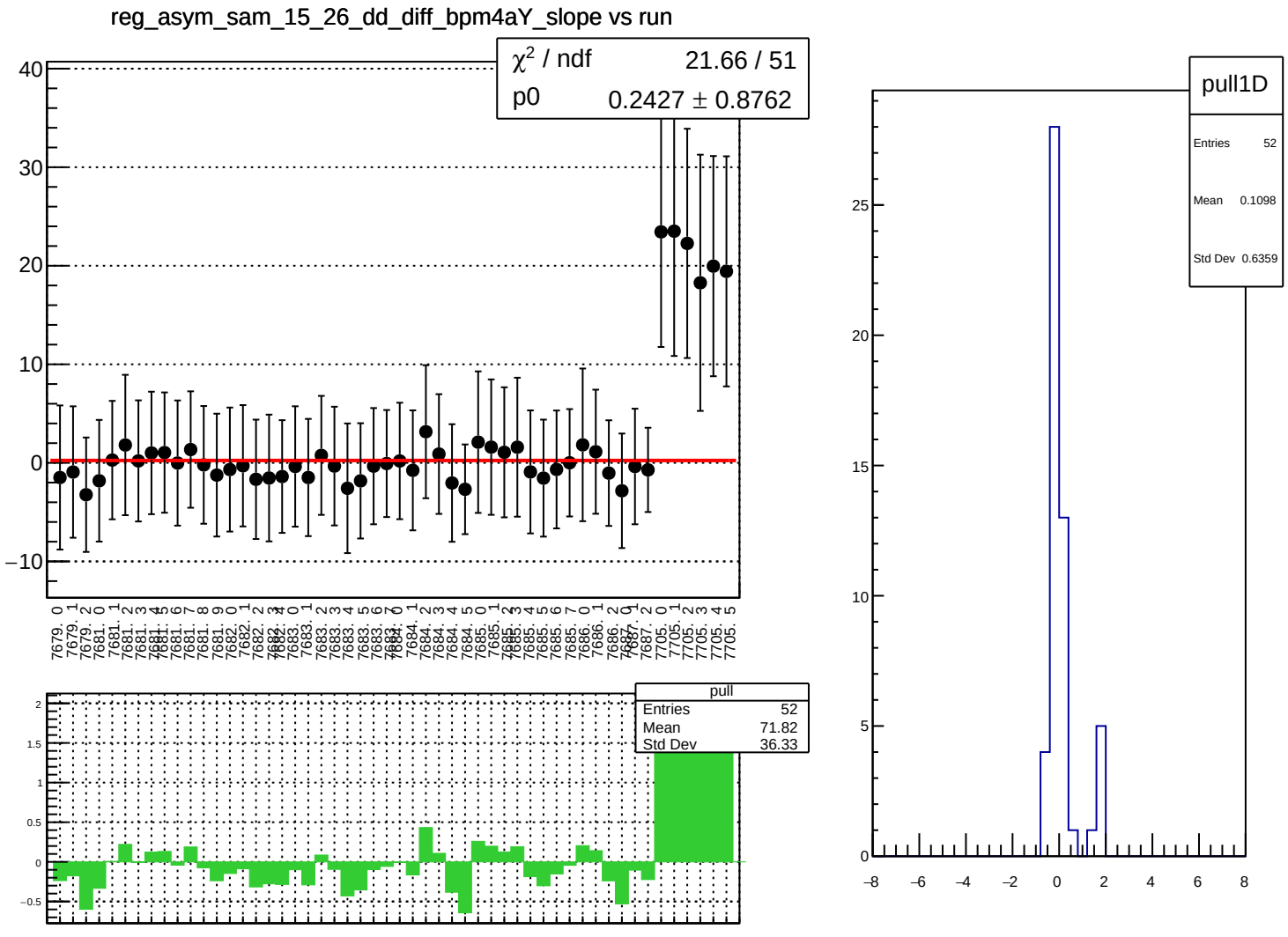

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 62 / 51
p0 −53.61 ± 0.8505
pull
Entries 52
Mean 115.2
Std Dev 81.11
pull1D
Entries 52
Mean 0.09716
Std Dev 1.088

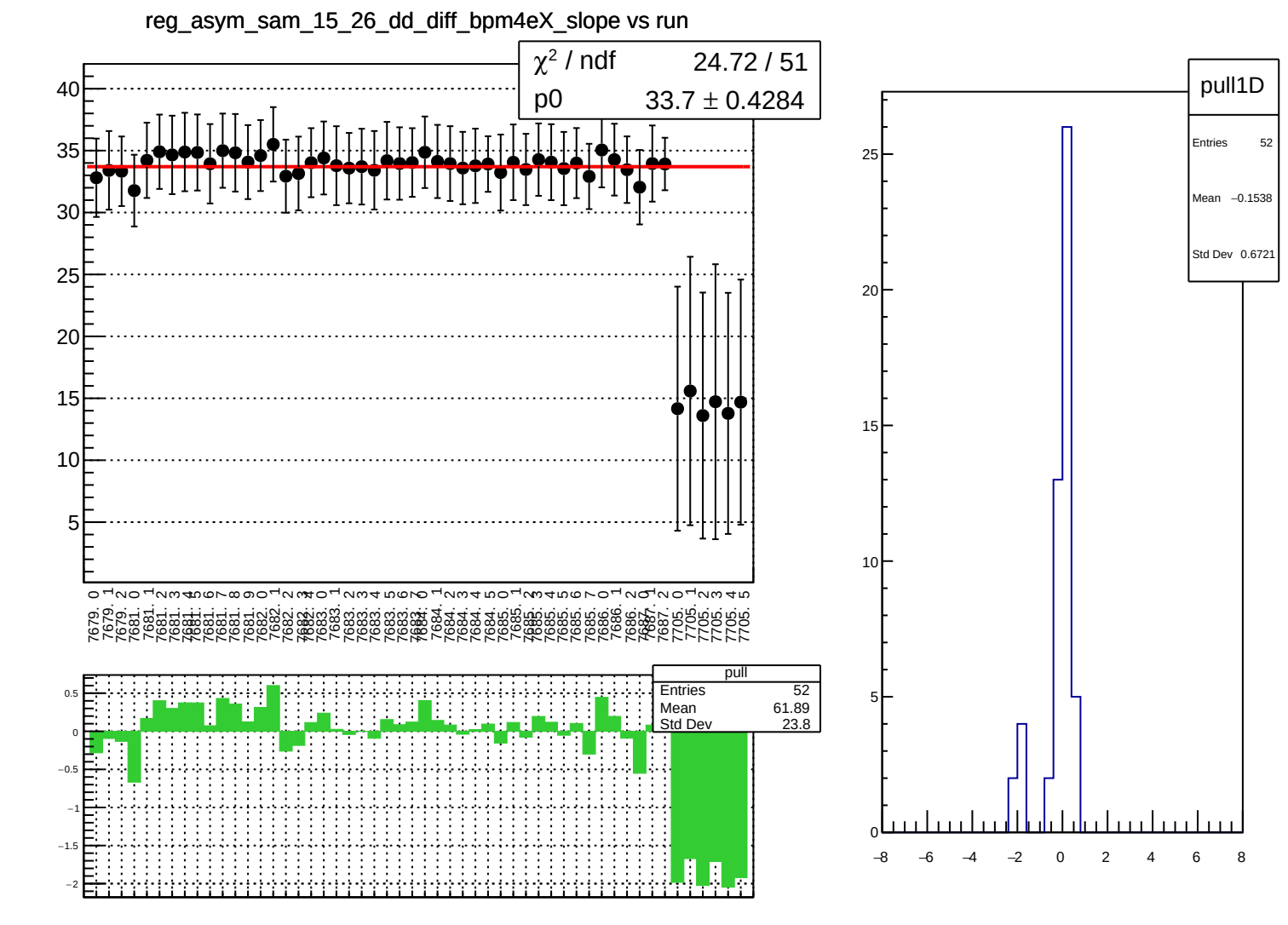

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 6.882 / 51
p0 0.3774 ± 0.03907
pull
Entries 52
Mean 64.41
Std Dev 38.07

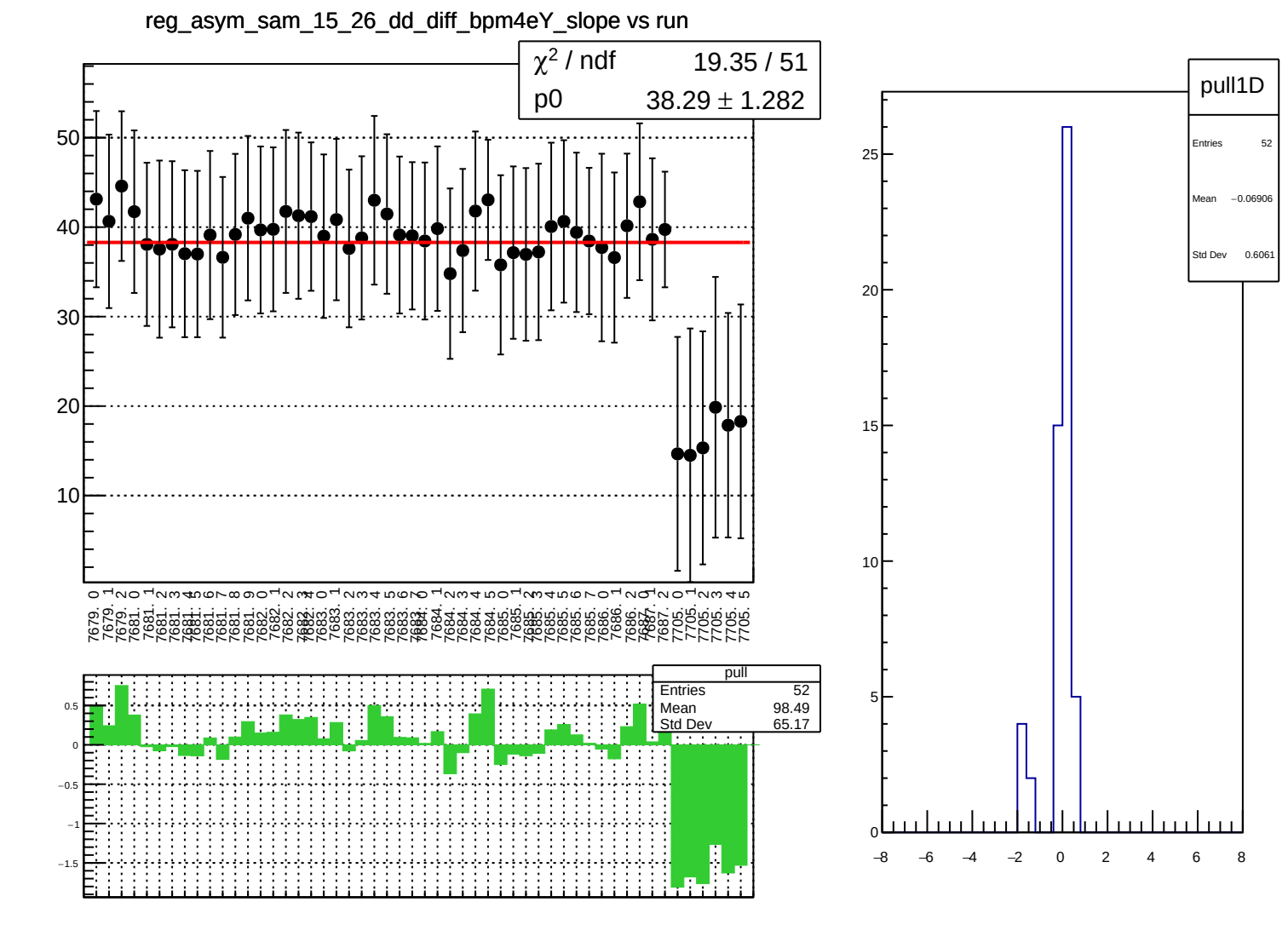

pull1D
Entries 52
Mean 0.0311
Std Dev 0.3625

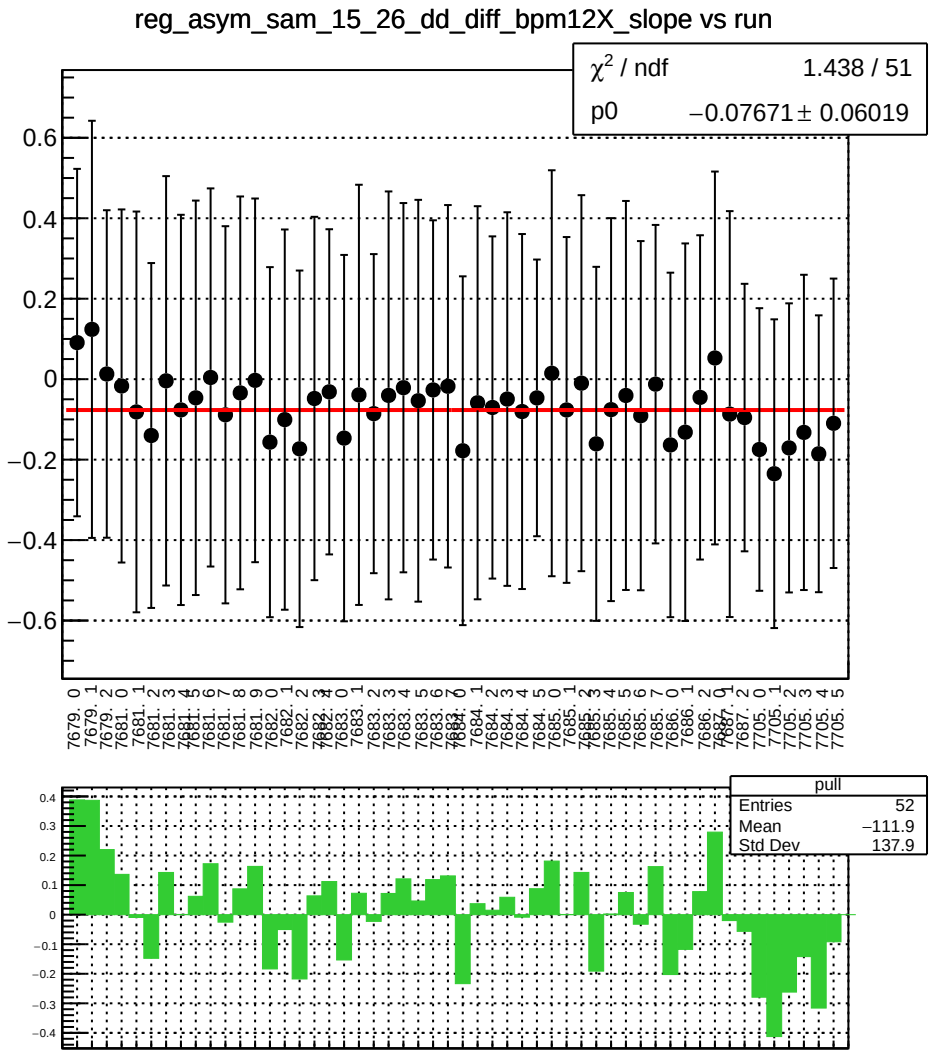

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 18.97 / 51
p0 −3.364 ± 0.5307
pull
Entries 52
Mean 54.66
Std Dev 2.471

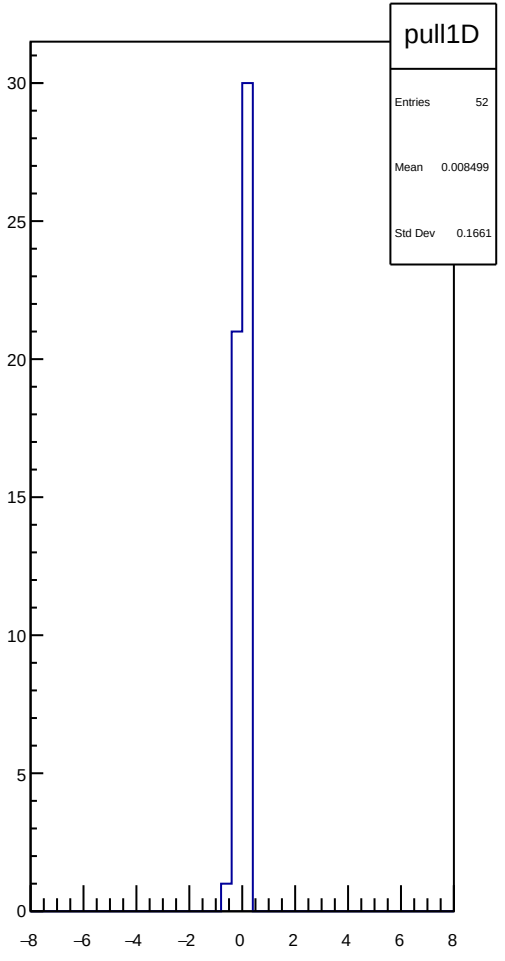

pull1D
Entries 52
Mean 0.1231
Std Dev 0.5913

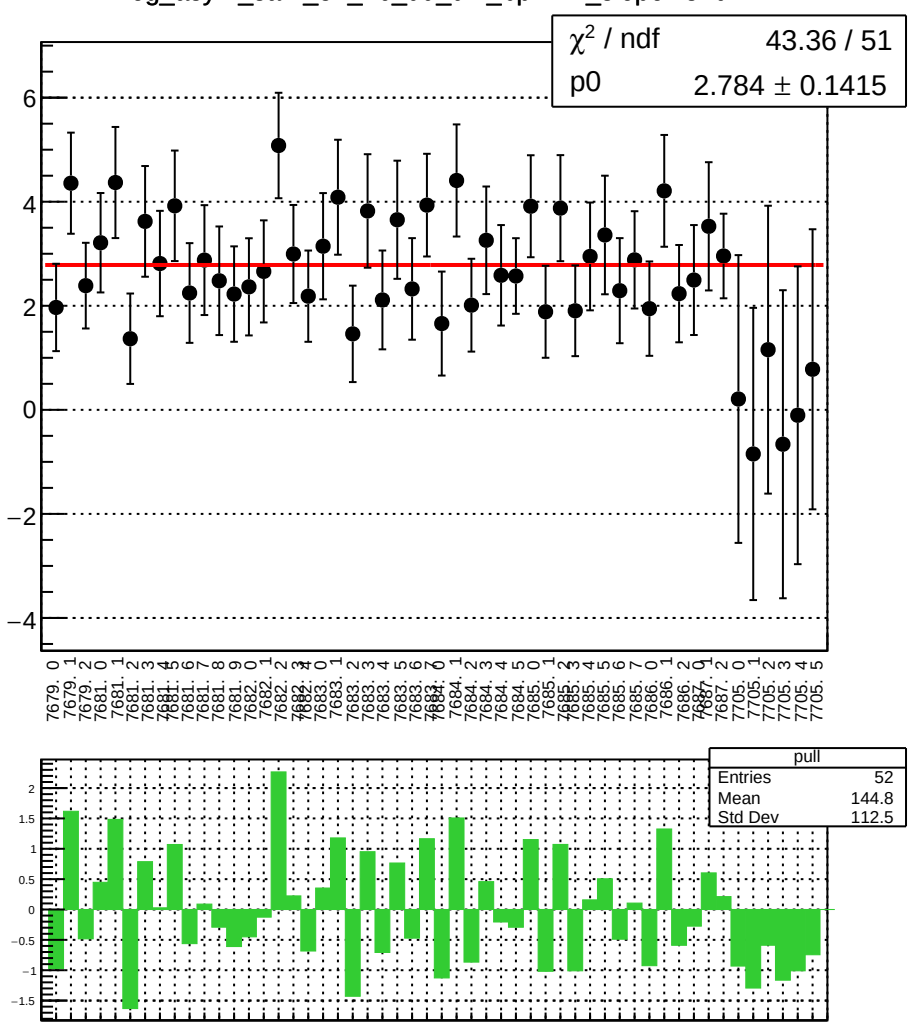

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.66 / 51
p0 0.2427 ± 0.8762
pull
Entries 52
Mean 71.82
Std Dev 36.33
pull1D
Entries 52
Mean 0.1098
Std Dev 0.6359

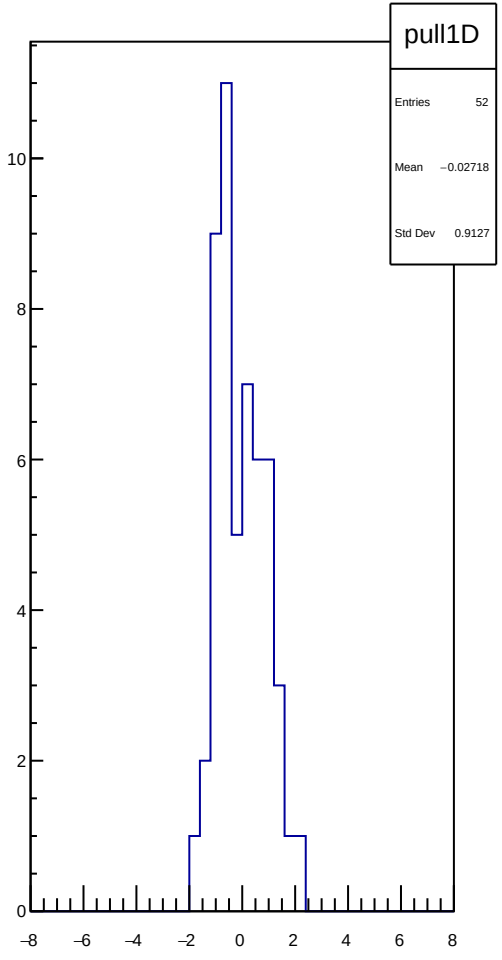

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.72 / 51
p0 33.7 ± 0.4284
pull
Entries 52
Mean 61.89
Std Dev 23.8
pull1D
Entries 52
Mean −0.1538
Std Dev 0.6721

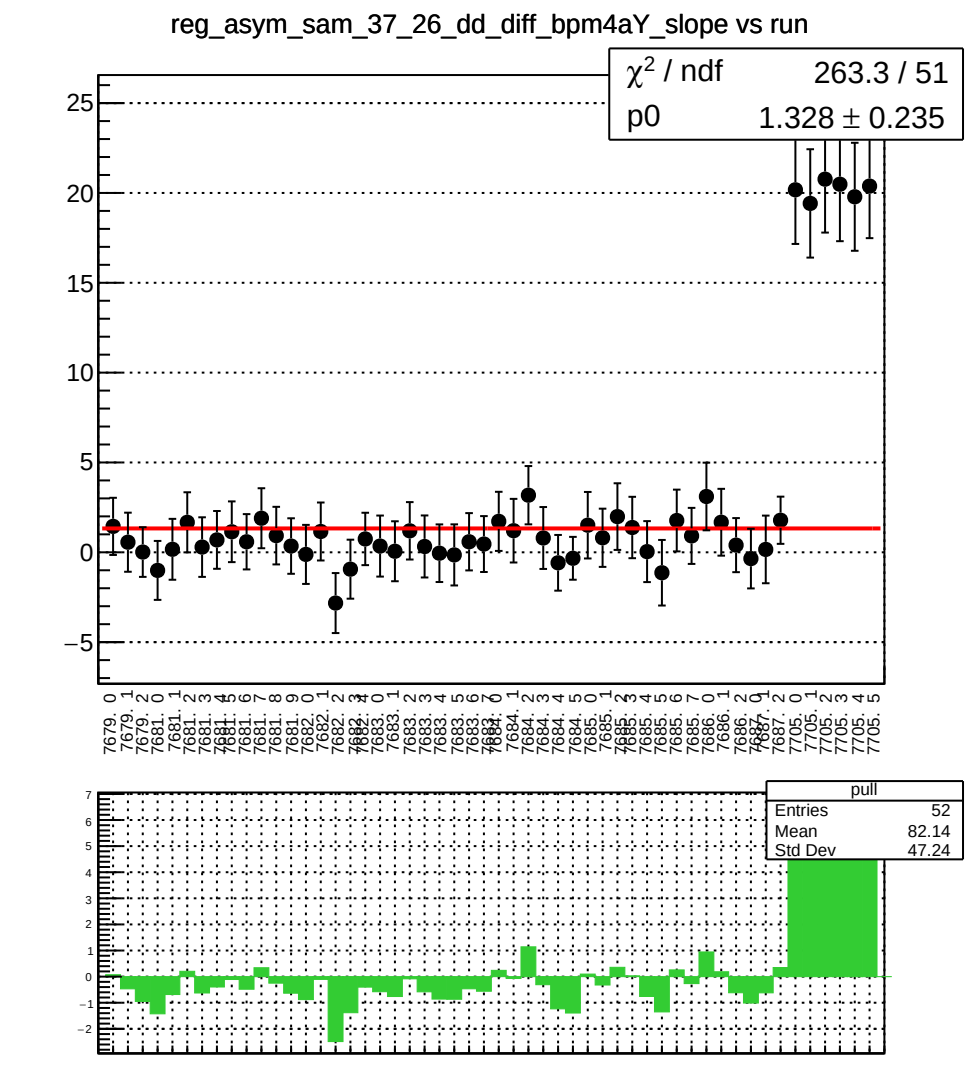

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.35 / 51
p0 38.29 ± 1.282
pull
Entries 52
Mean 98.49
Std Dev 65.17
pull1D
Entries 52
Mean −0.06906
Std Dev 0.6061

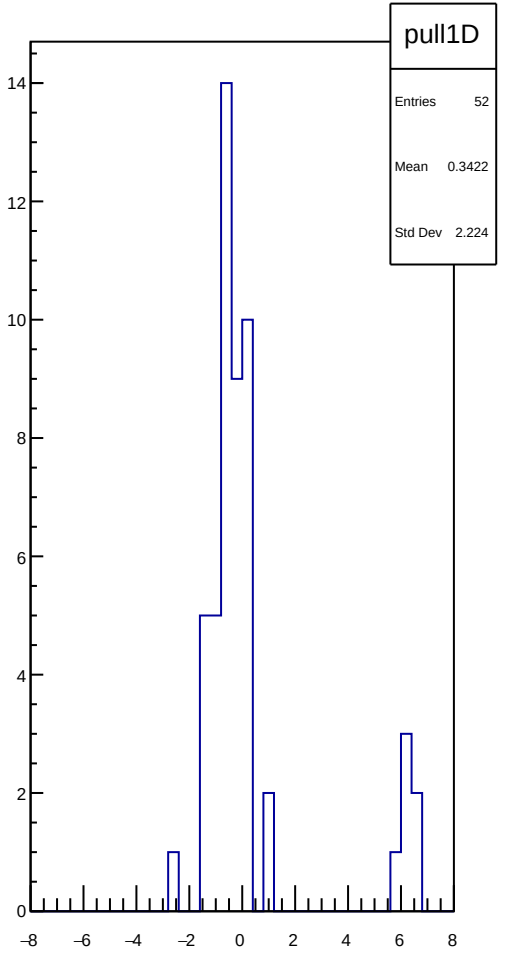

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.438 / 51
p0 −0.07671 ± 0.06019
pull
Entries 52
Mean −111.9
Std Dev 137.9

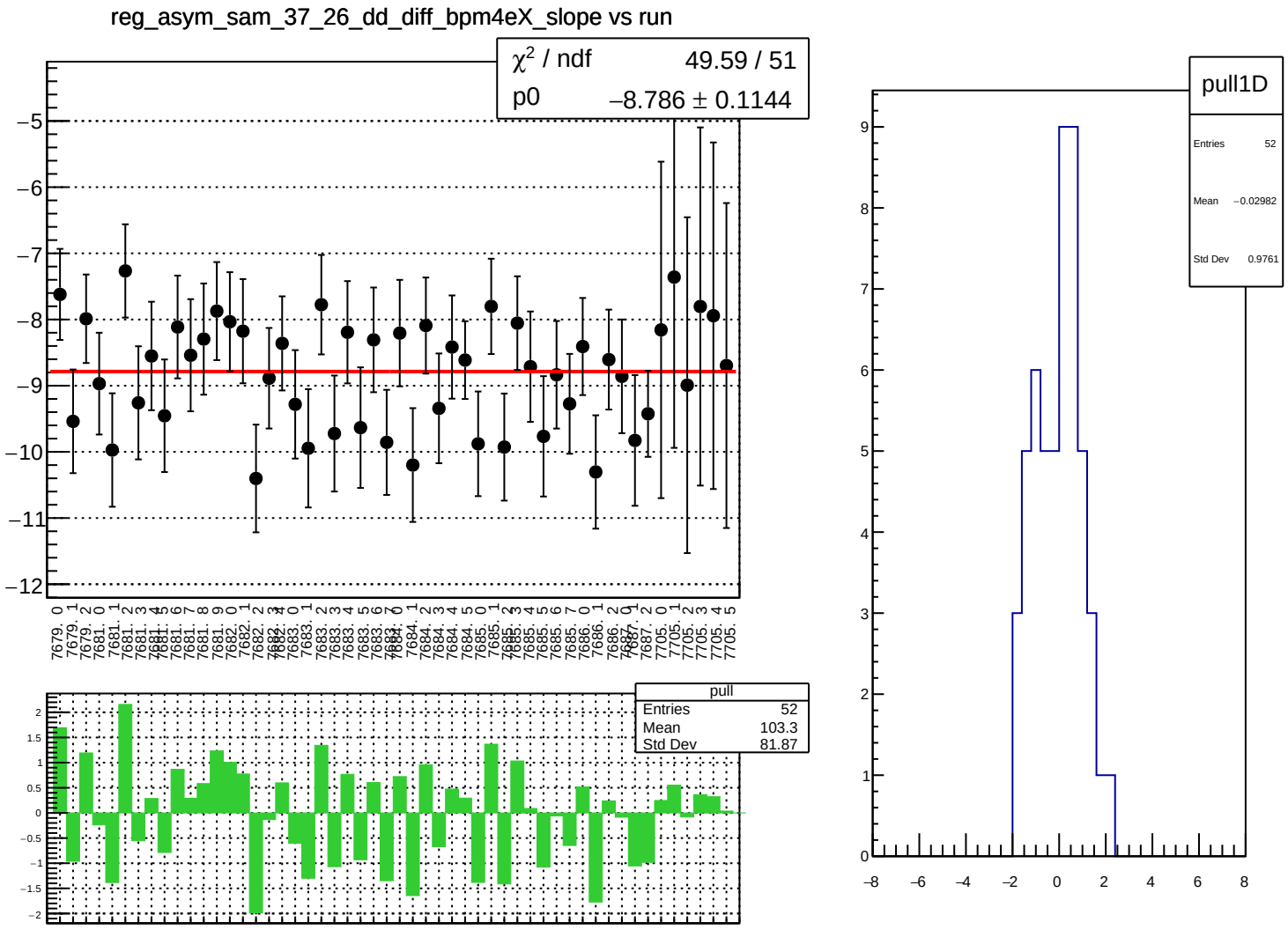

pull1D
Entries 52
Mean 0.008499
Std Dev 0.1661

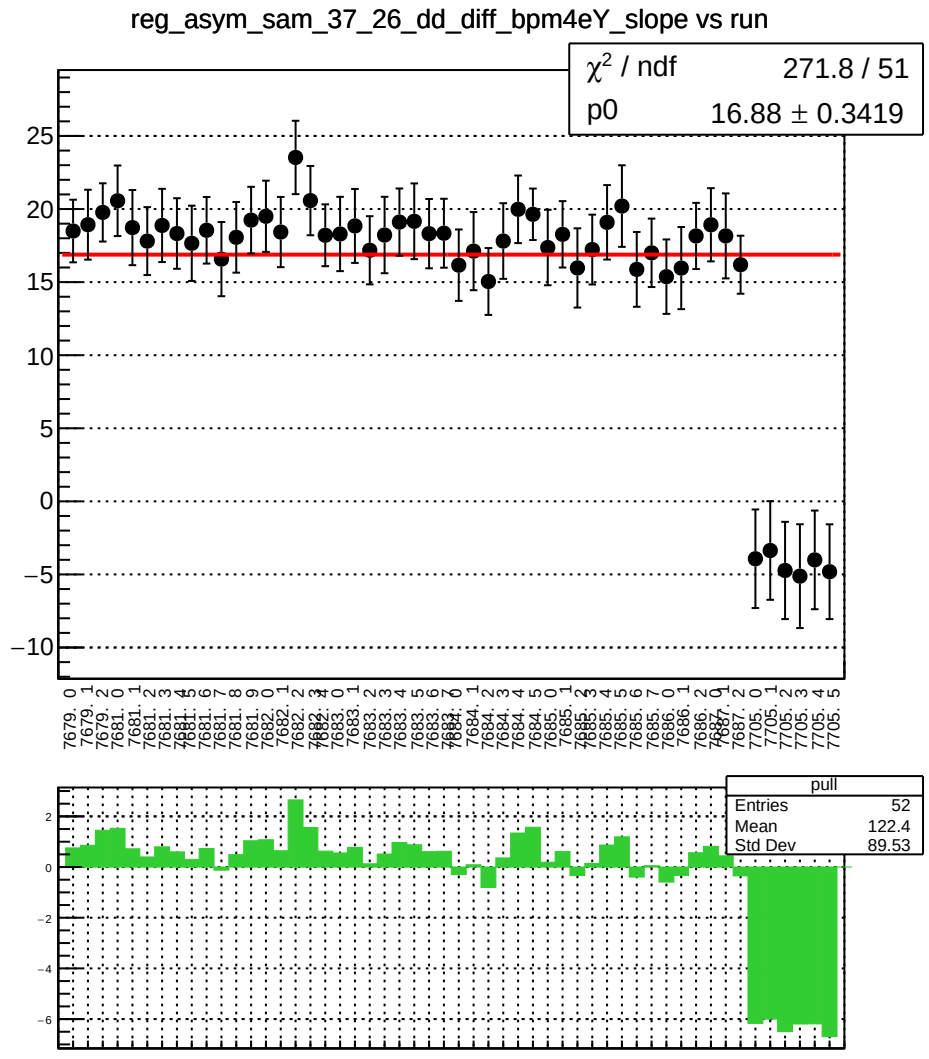

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 43.36 / 51
p0 2.784 ± 0.1415
pull
Entries 52
Mean 144.8
Std Dev 112.5

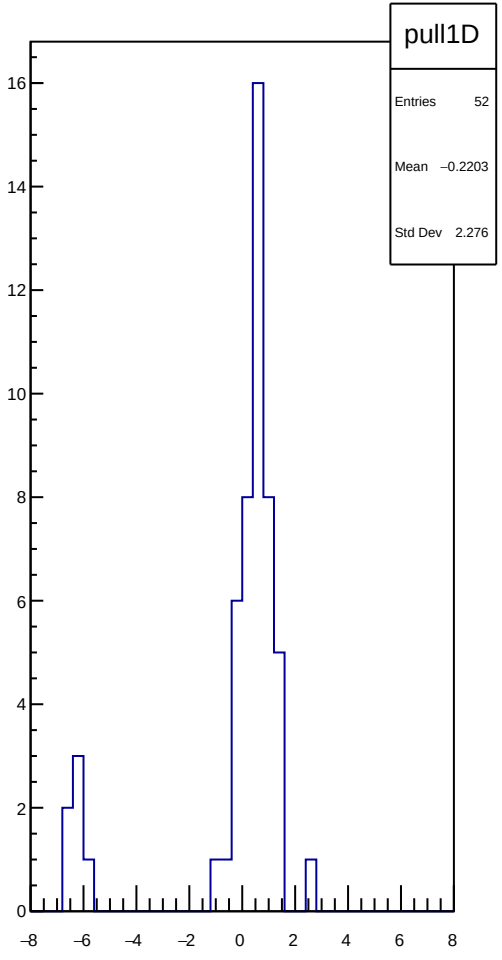

pull1D
Entries 52
Mean −0.02718
Std Dev 0.9127

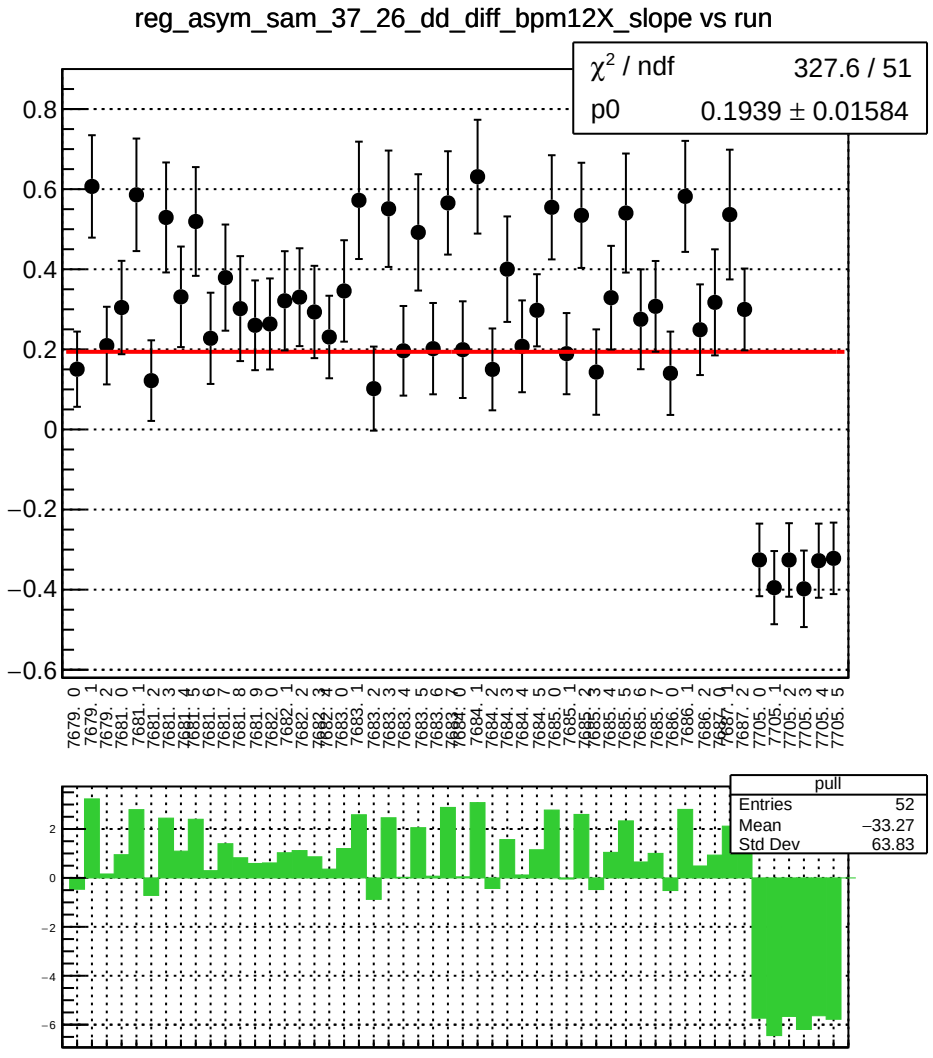

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 263.3 / 51
p0 1.328 ± 0.235
pull
Entries 52
Mean 82.14
Std Dev 47.24

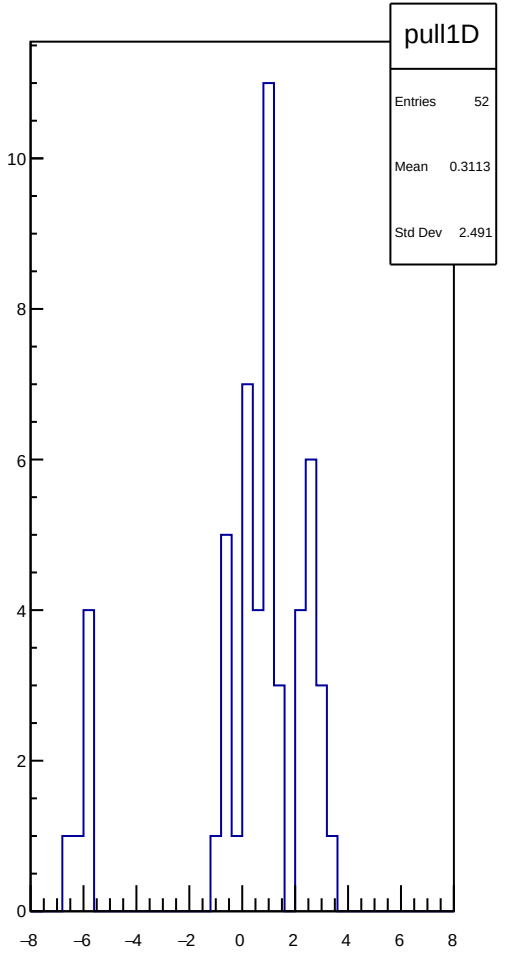

pull1D
Entries 52
Mean 0.3422
Std Dev 2.224

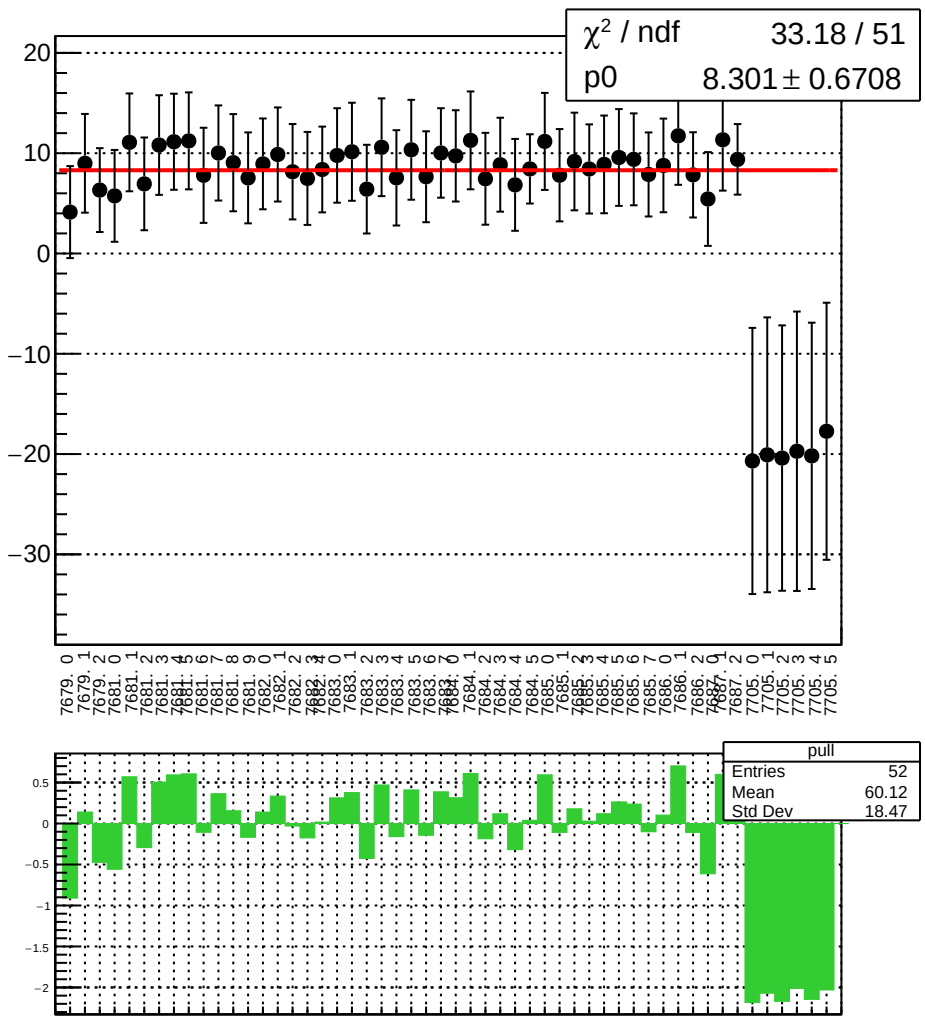

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.59 / 51
p0 −8.786 ± 0.1144
pull
Entries 52
Mean 103.3
Std Dev 81.87
pull1D
Entries 52
Mean −0.02982
Std Dev 0.9761

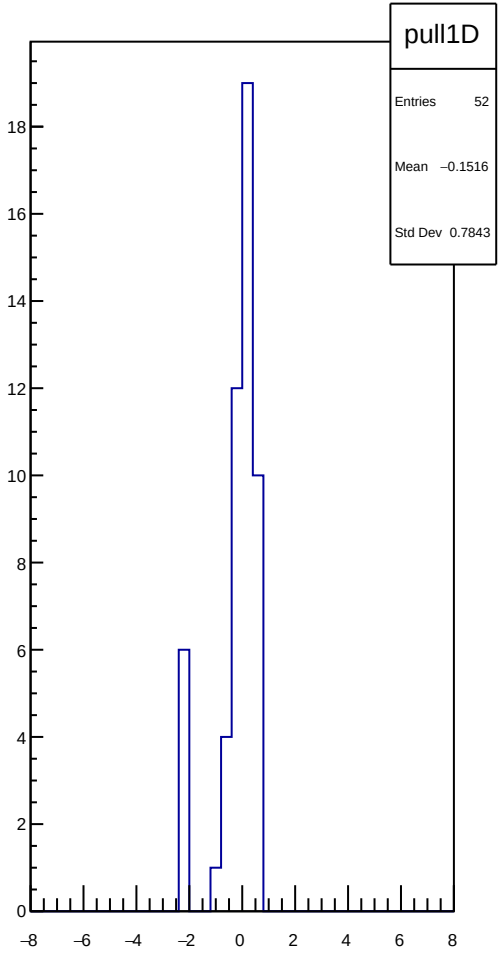

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 271.8 / 51
p0 16.88 ± 0.3419
pull
Entries 52
Mean 122.4
Std Dev 89.53

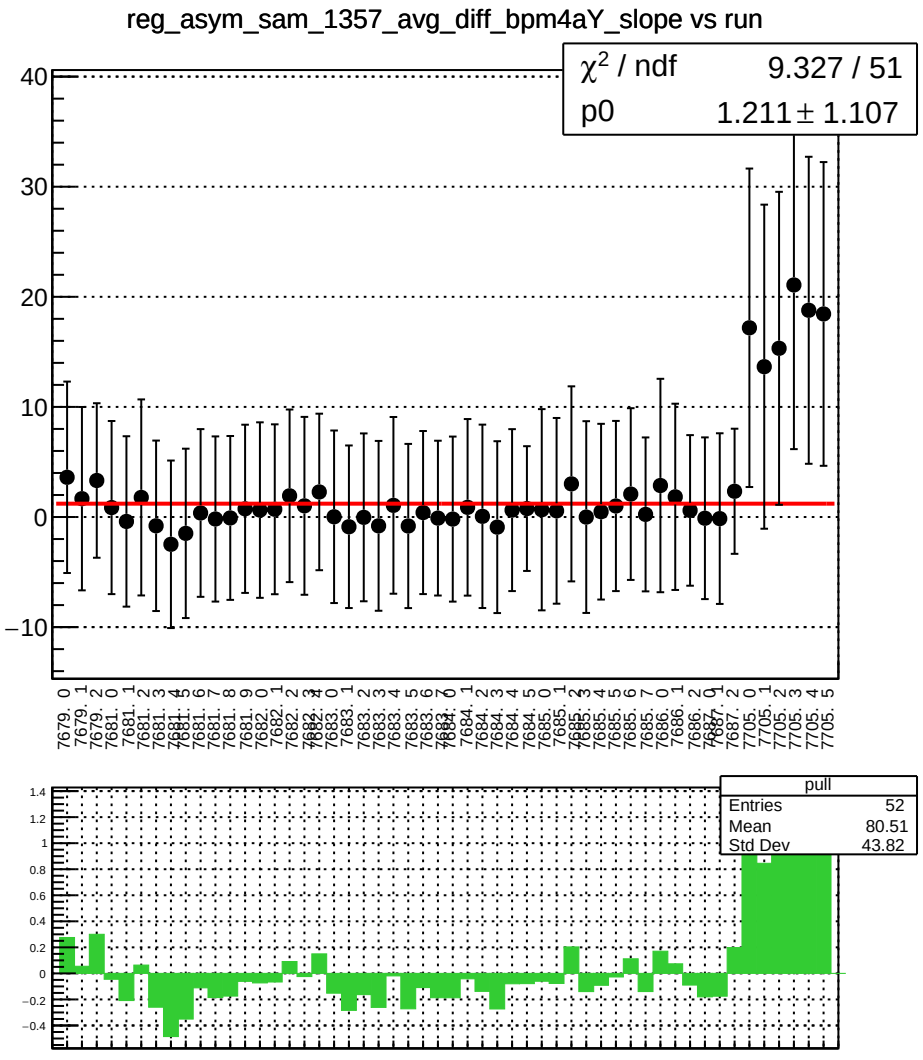

pull1D
Entries 52
Mean −0.2203
Std Dev 2.276

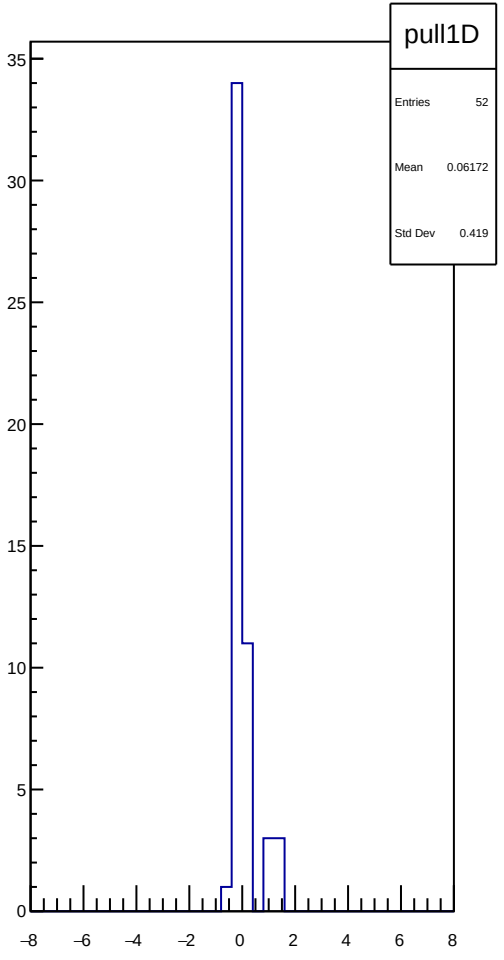

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 327.6 / 51
p0 0.1939 ± 0.01584
pull
Entries 52
Mean −33.27
Std Dev 63.83

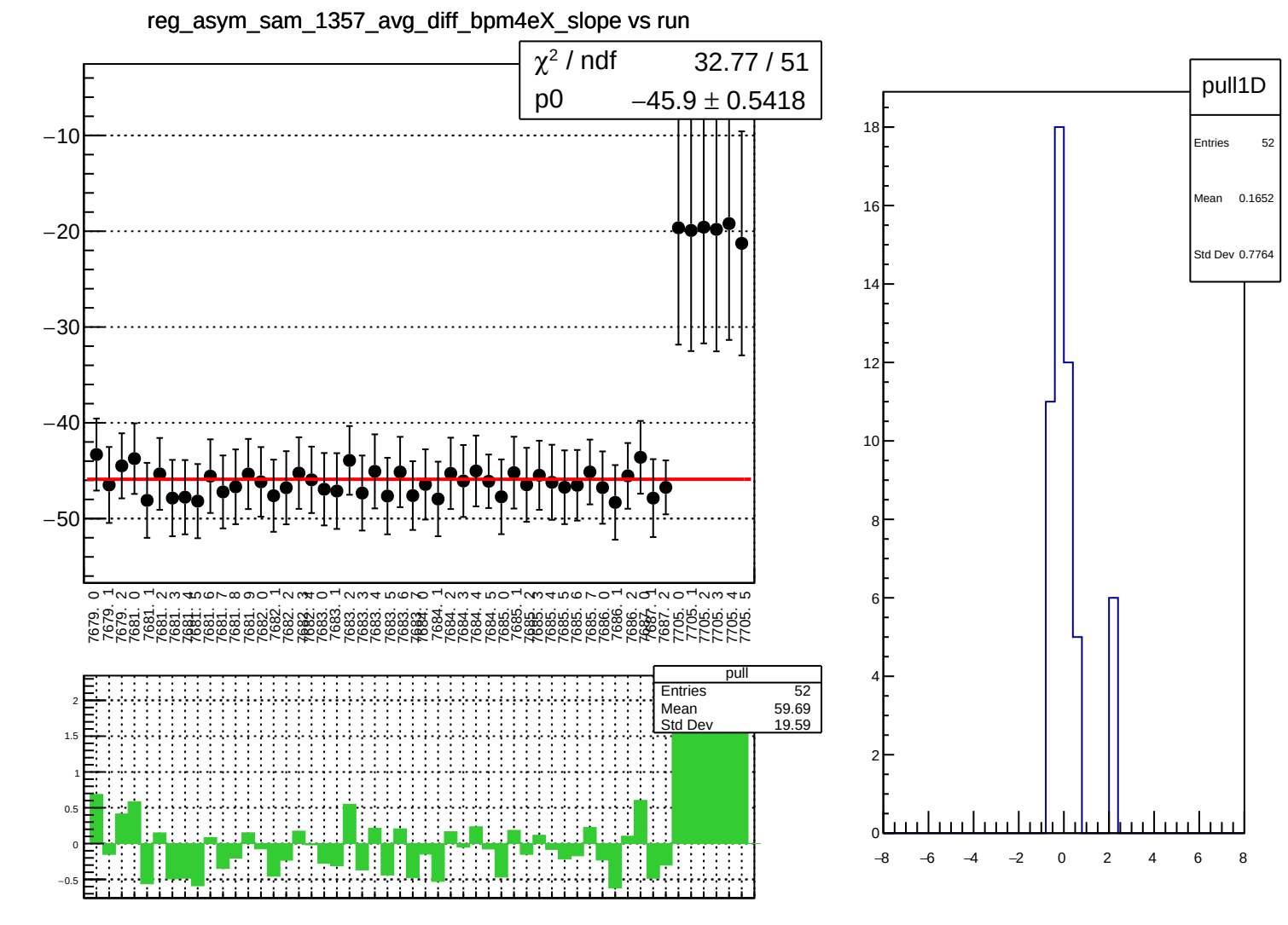

pull1D
Entries 52
Mean 0.3113
Std Dev 2.491

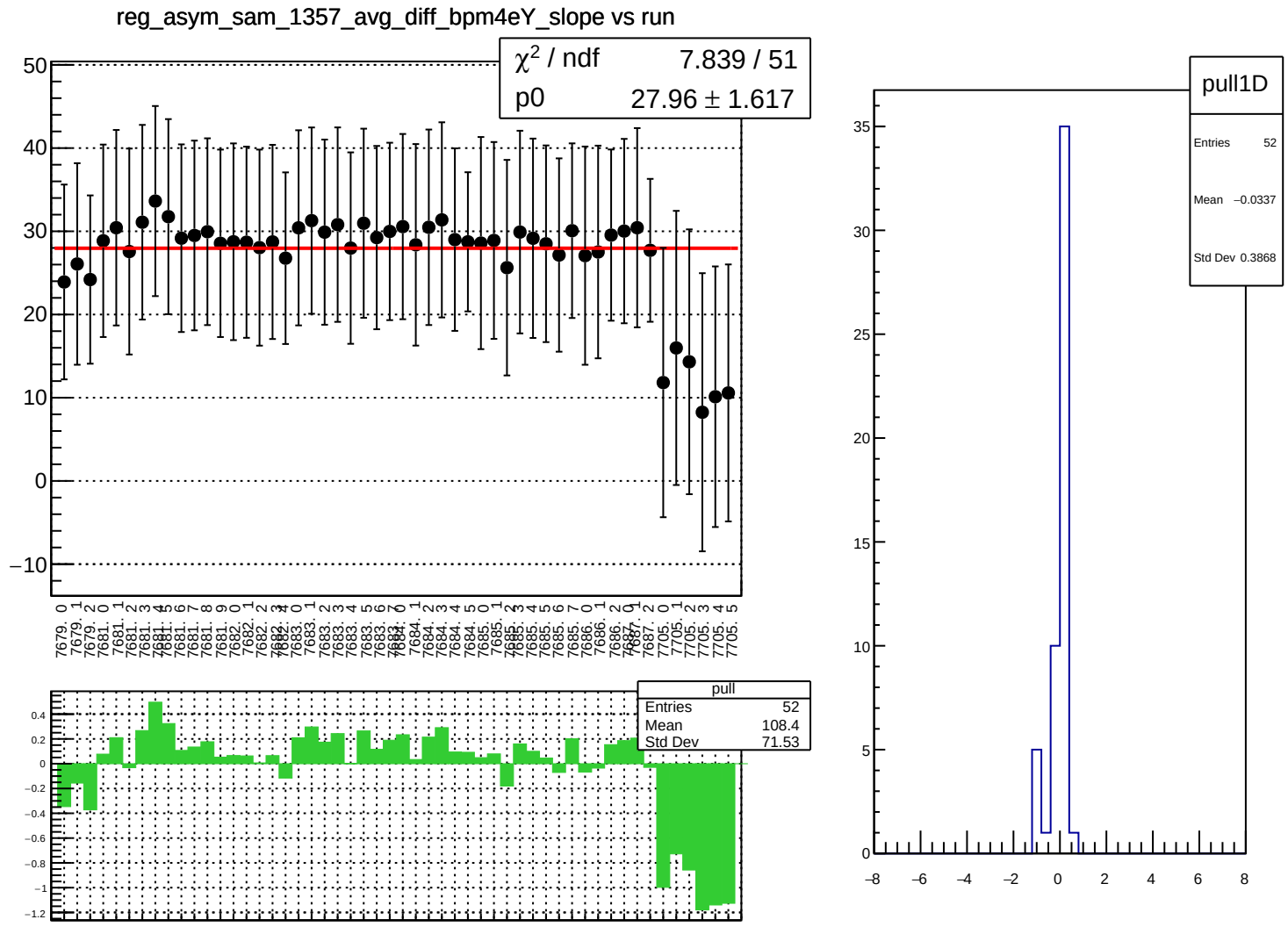

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 33.18 / 51
p0 8.301 ± 0.6708
pull
Entries 52
Mean 60.12
Std Dev 18.47

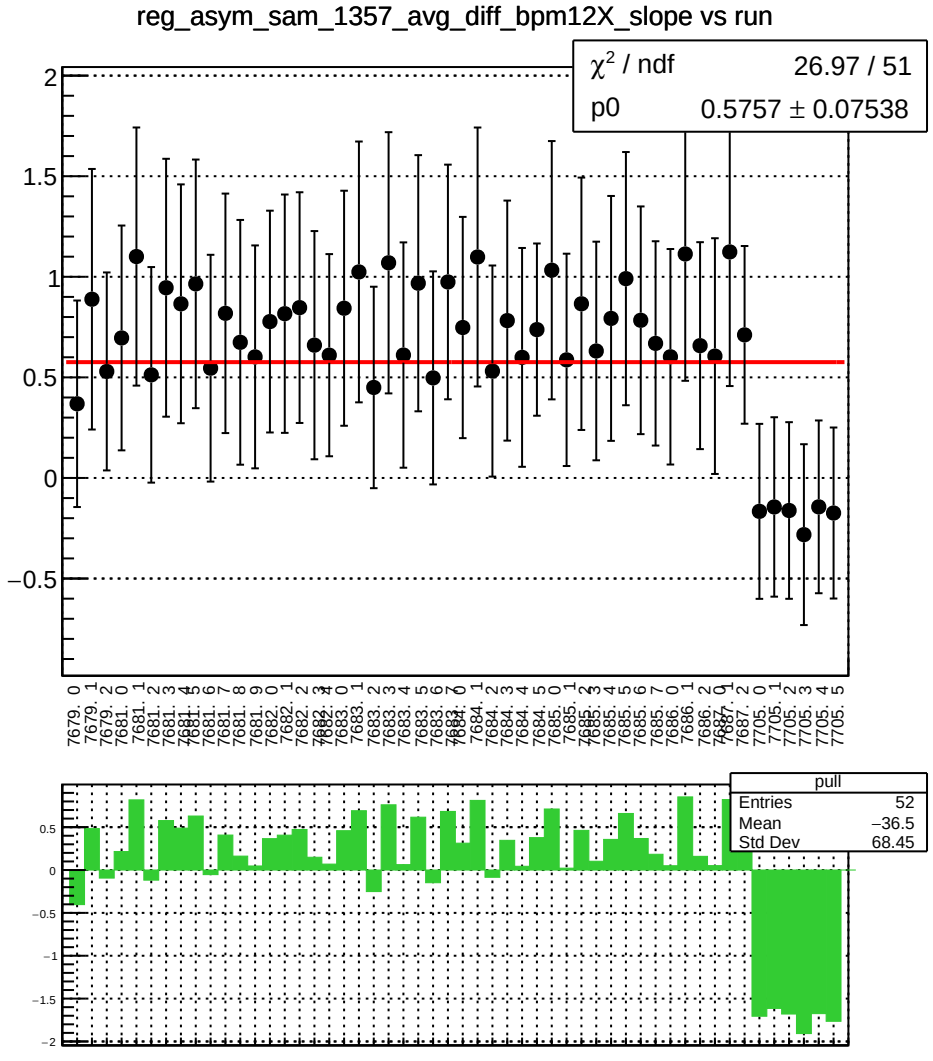

pull1D
Entries 52
Mean −0.1516
Std Dev 0.7843

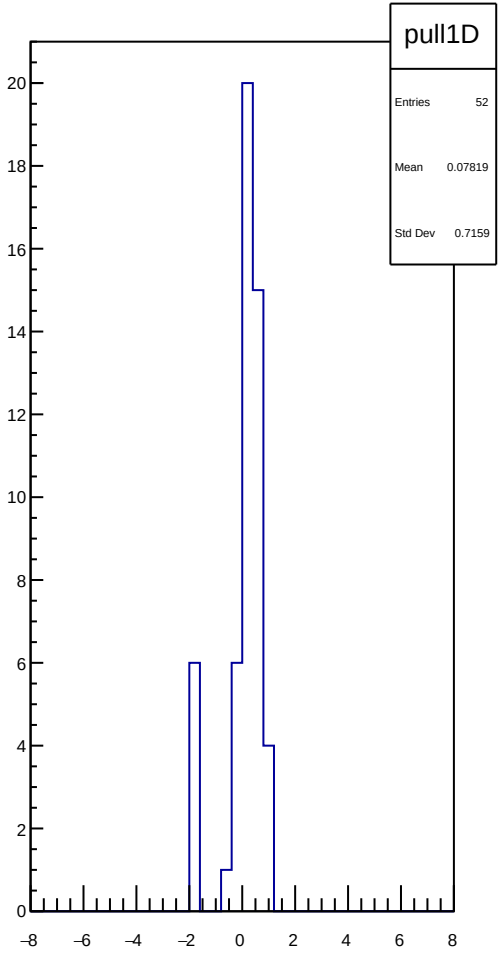

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.327 / 51
p0 1.211 ± 1.107
pull
Entries 52
Mean 80.51
Std Dev 43.82

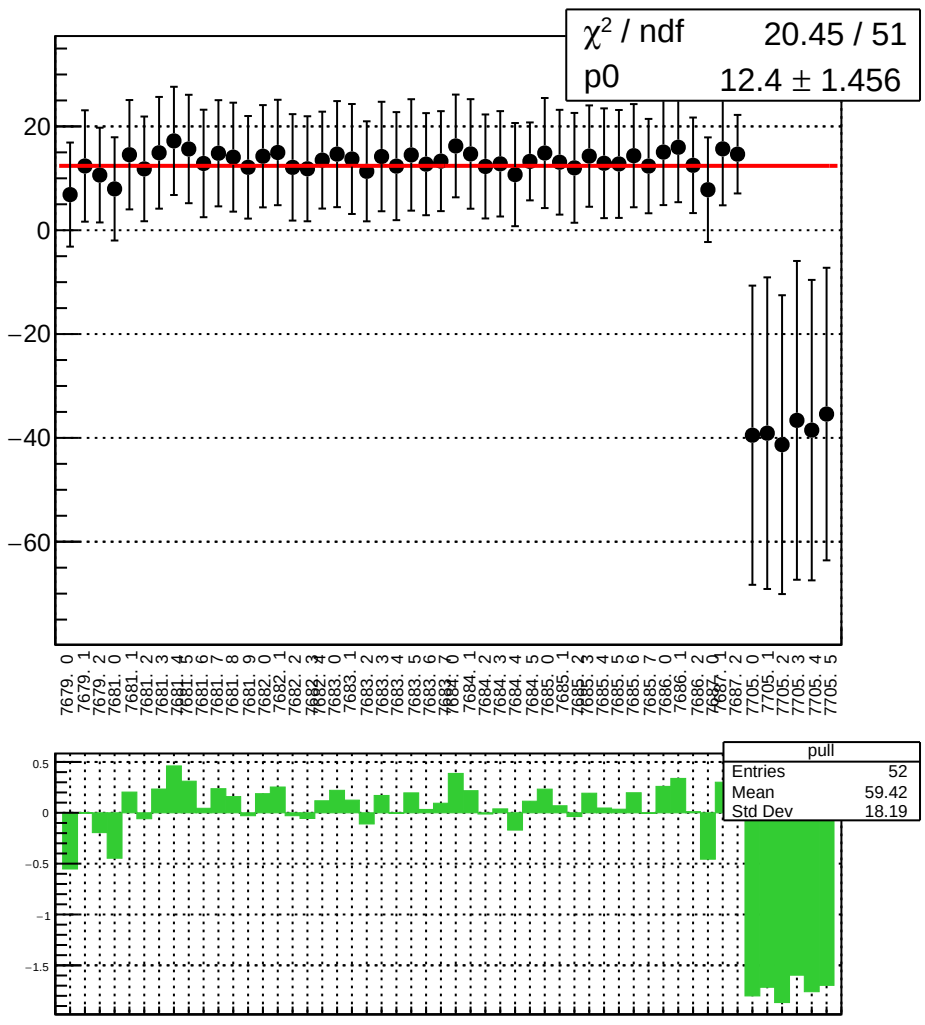

pull1D
Entries 52
Mean 0.06172
Std Dev 0.419

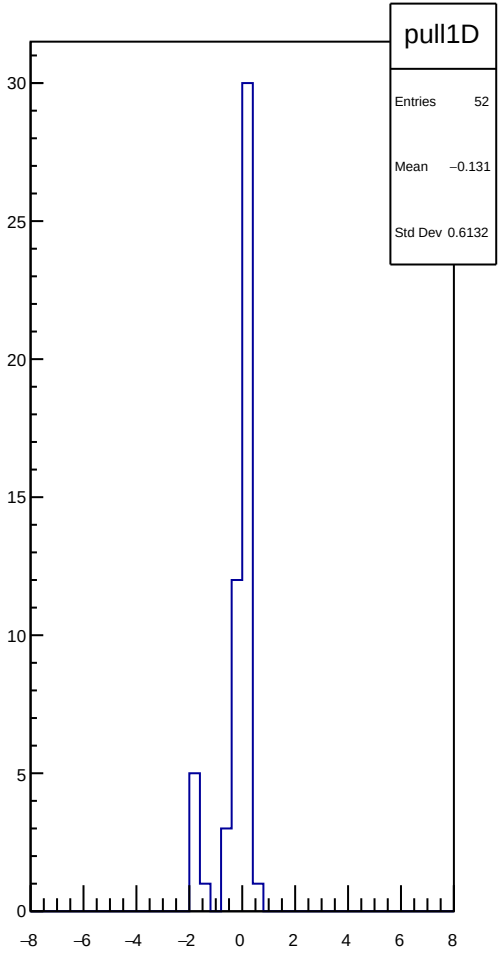

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.77 / 51
p0 −45.9 ± 0.5418
pull
Entries 52
Mean 59.69
Std Dev 19.59
pull1D
Entries 52
Mean 0.1652
Std Dev 0.7764

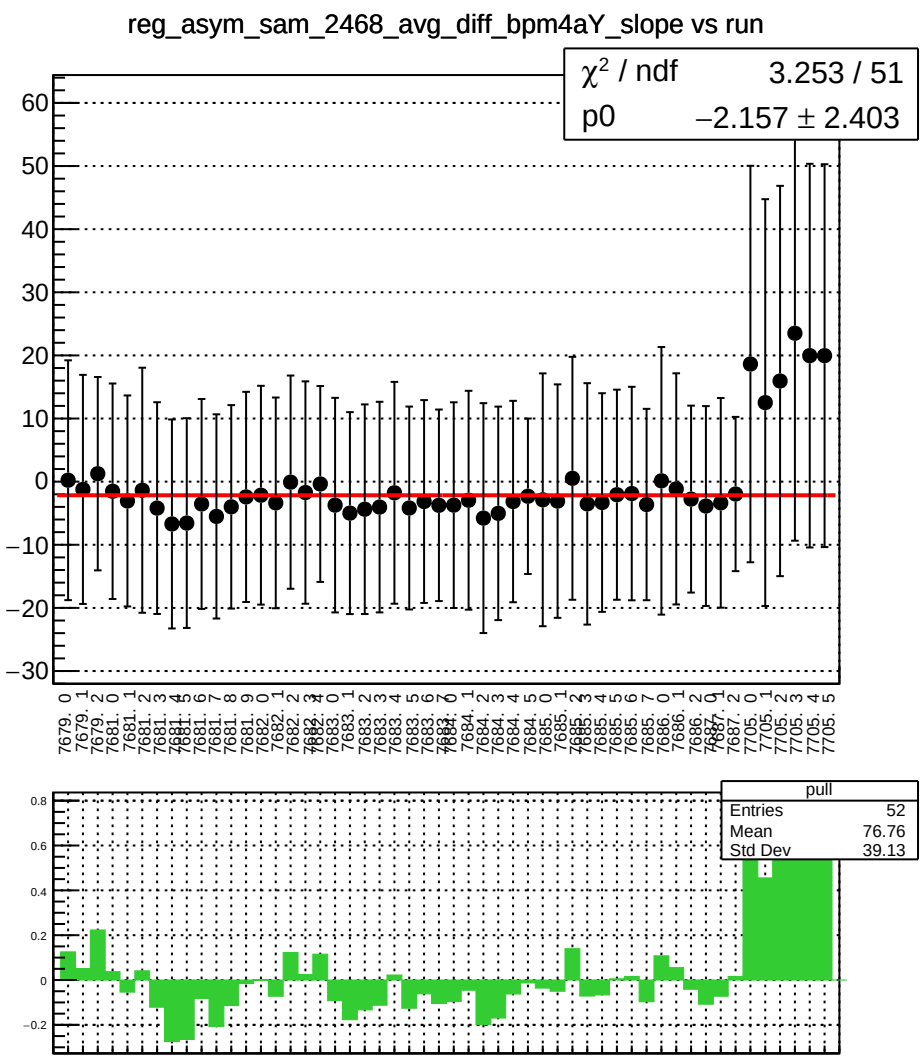

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.839 / 51
p0 27.96 ± 1.617
pull
Entries 52
Mean 108.4
Std Dev 71.53
pull1D
Entries 52
Mean −0.0337
Std Dev 0.3868

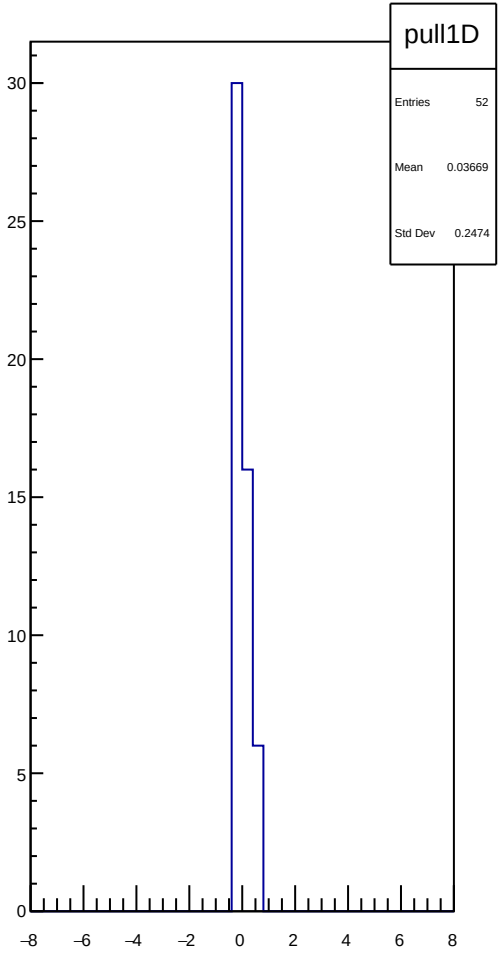

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 26.97 / 51
p0 0.5757 ± 0.07538
pull
Entries 52
Mean −36.5
Std Dev 68.45

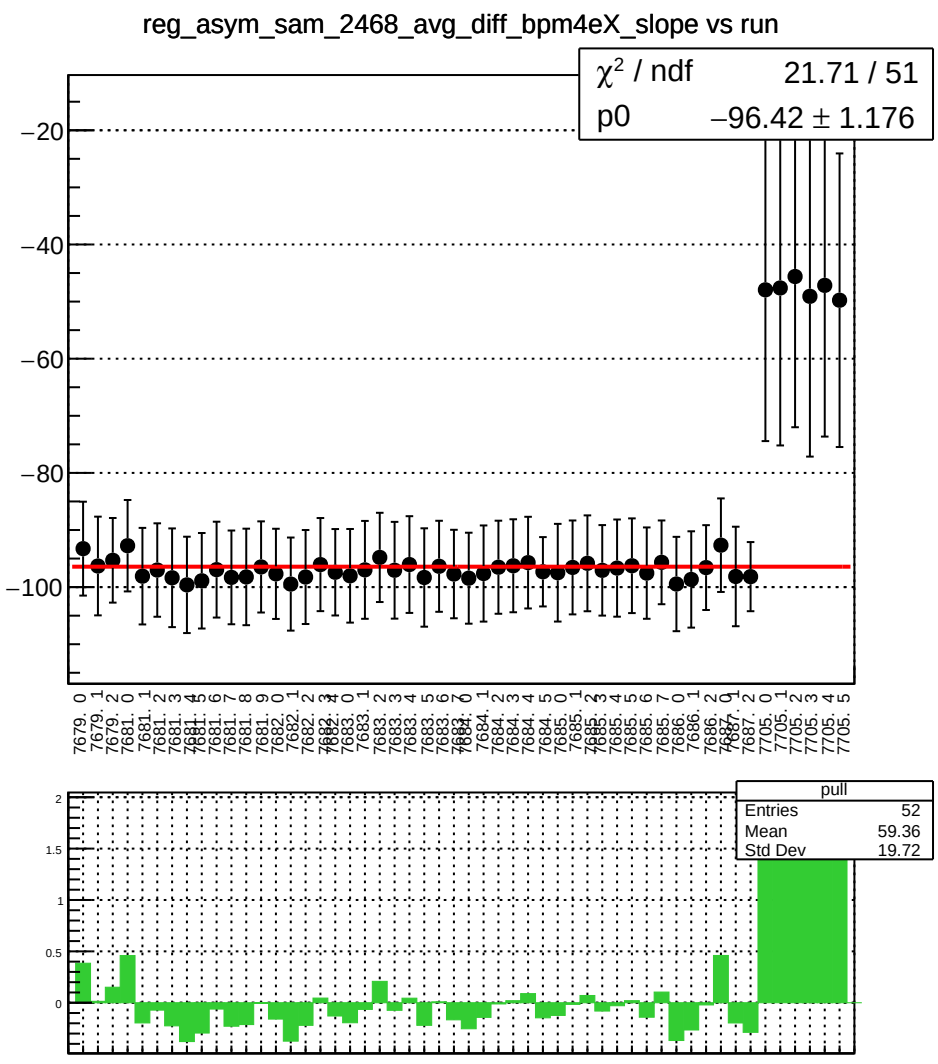

pull1D
Entries 52
Mean 0.07819
Std Dev 0.7159

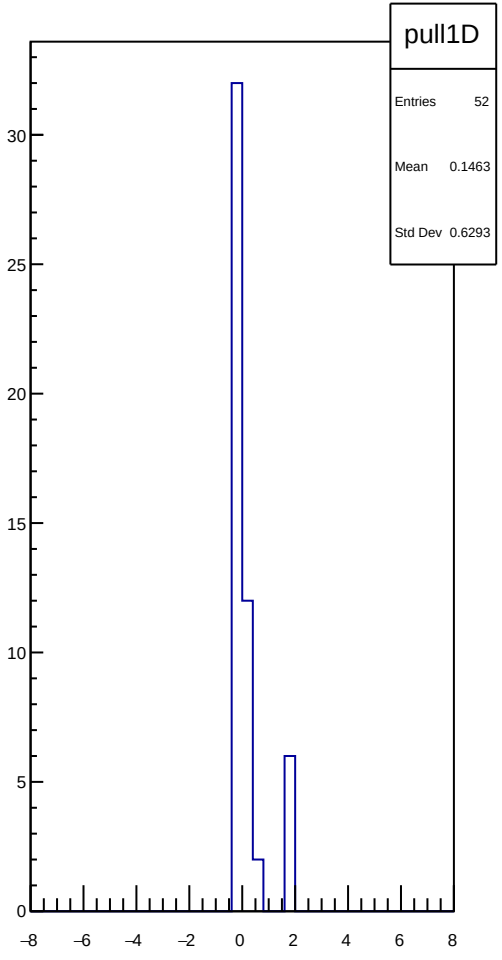

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 20.45 / 51
p0 12.4 ± 1.456
pull
Entries 52
Mean 59.42
Std Dev 18.19

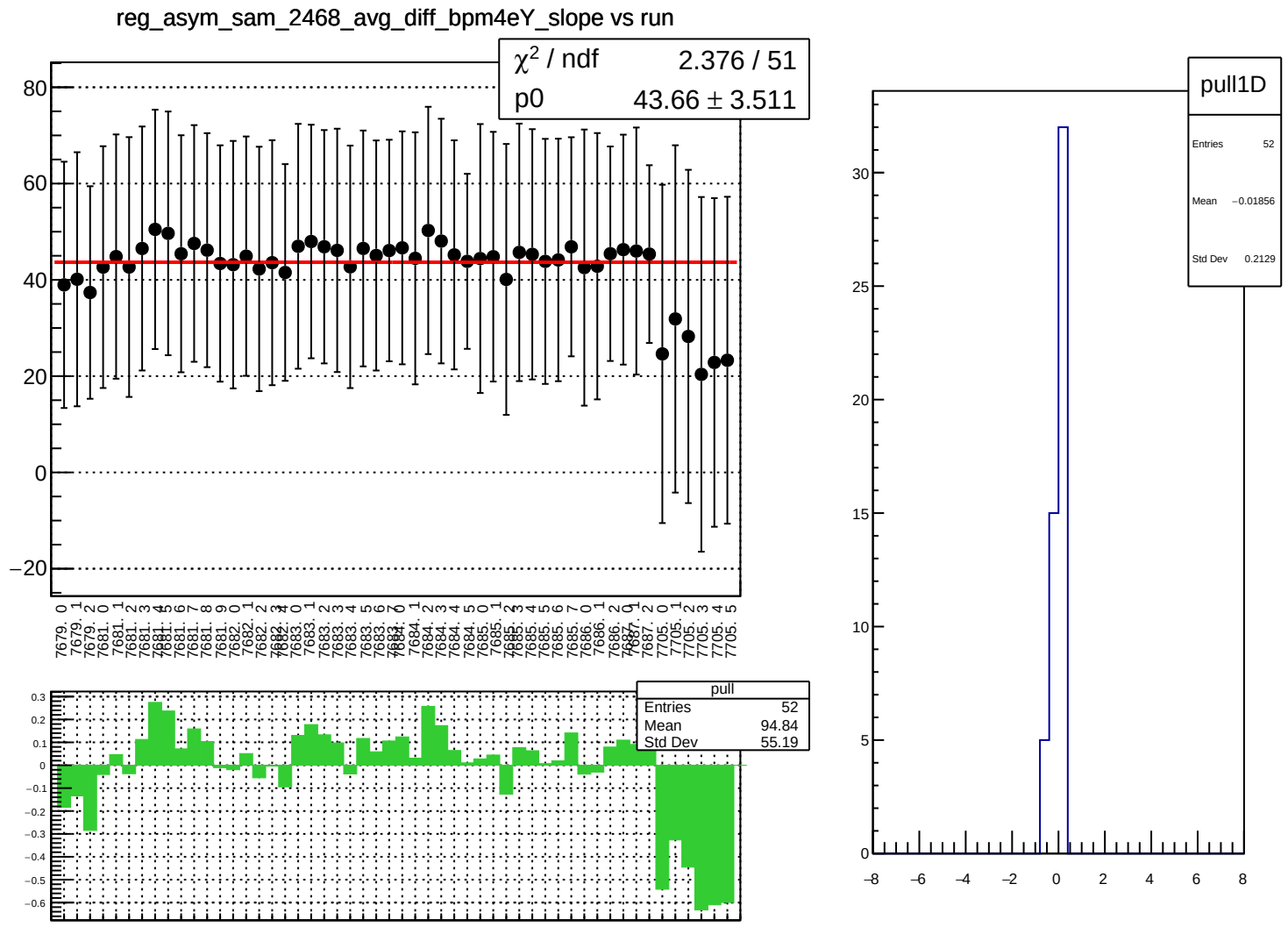

pull1D
Entries 52
Mean −0.131
Std Dev 0.6132

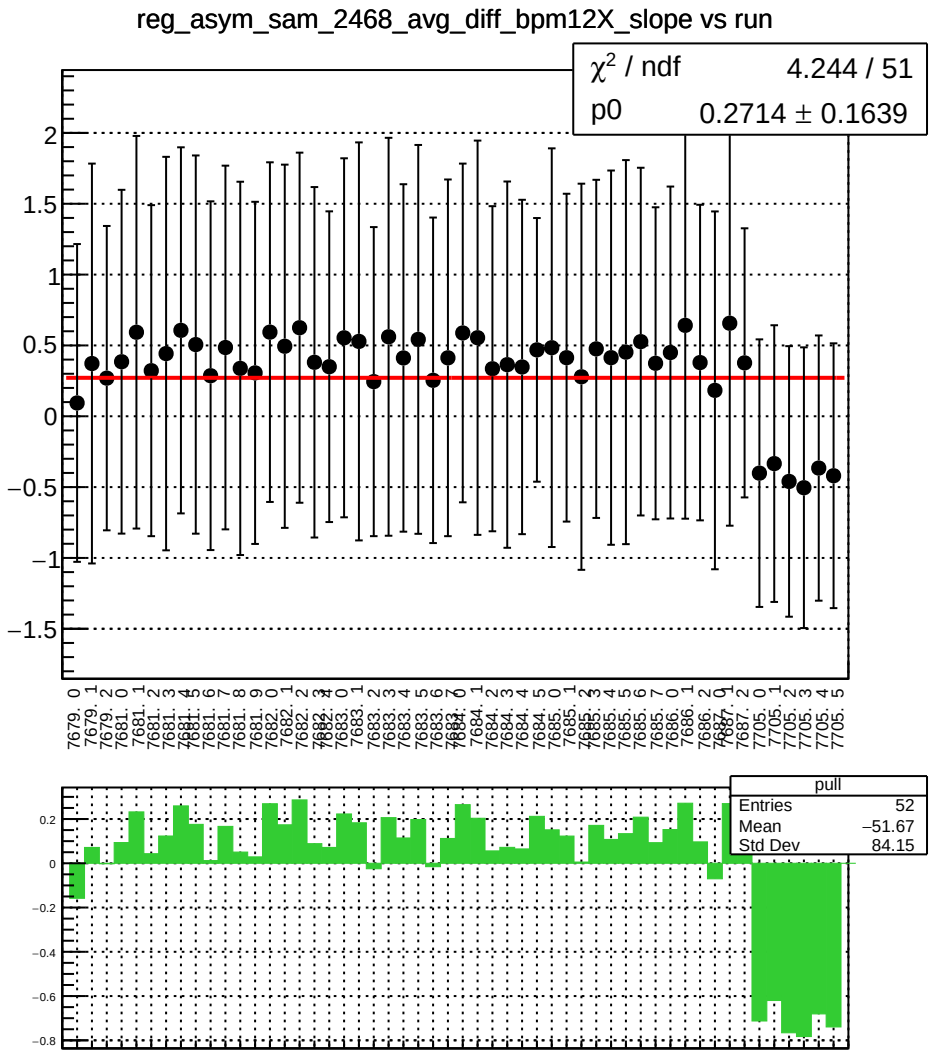

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.253 / 51
p0 −2.157 ± 2.403
pull
Entries 52
Mean 76.76
Std Dev 39.13

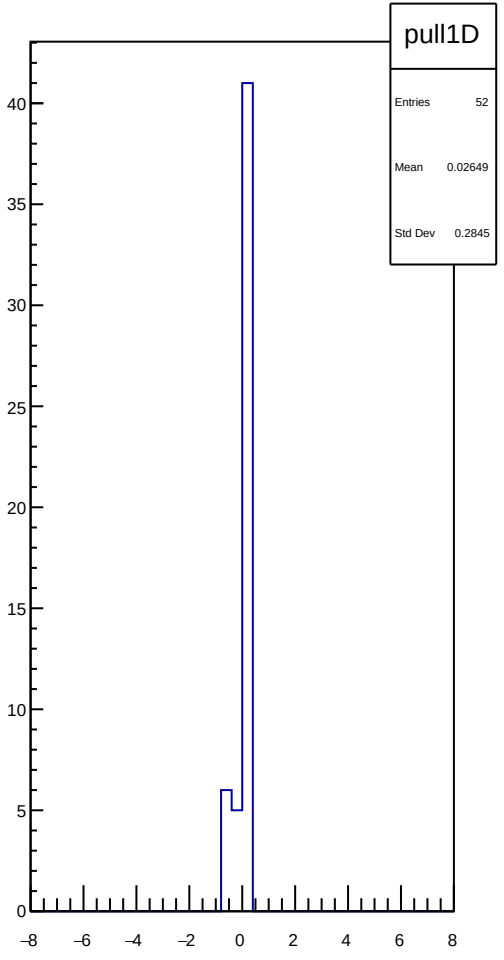

pull1D
Entries 52
Mean 0.03669
Std Dev 0.2474

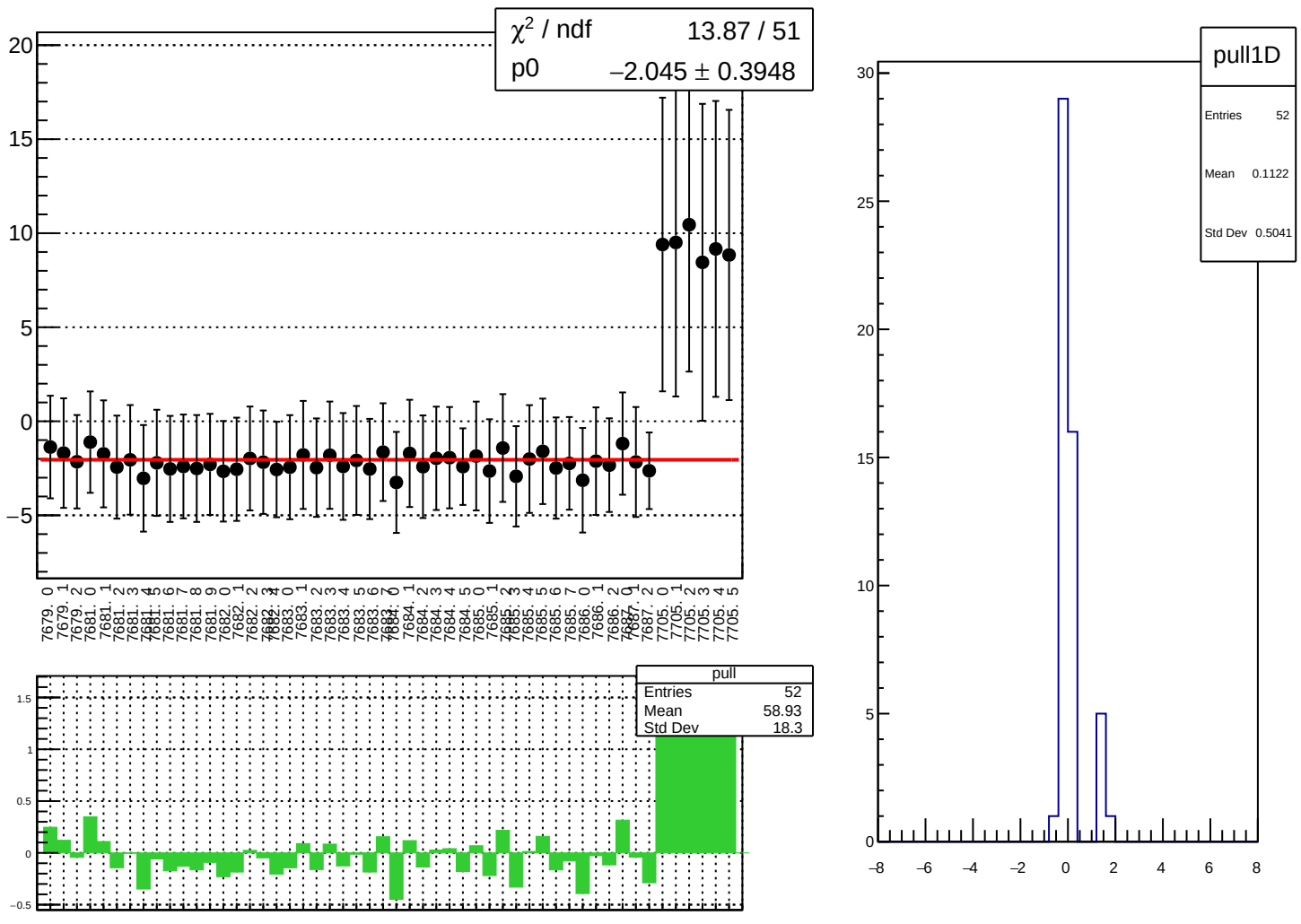

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.71 / 51
p0 −96.42 ± 1.176
pull
Entries 52
Mean 59.36
Std Dev 19.72

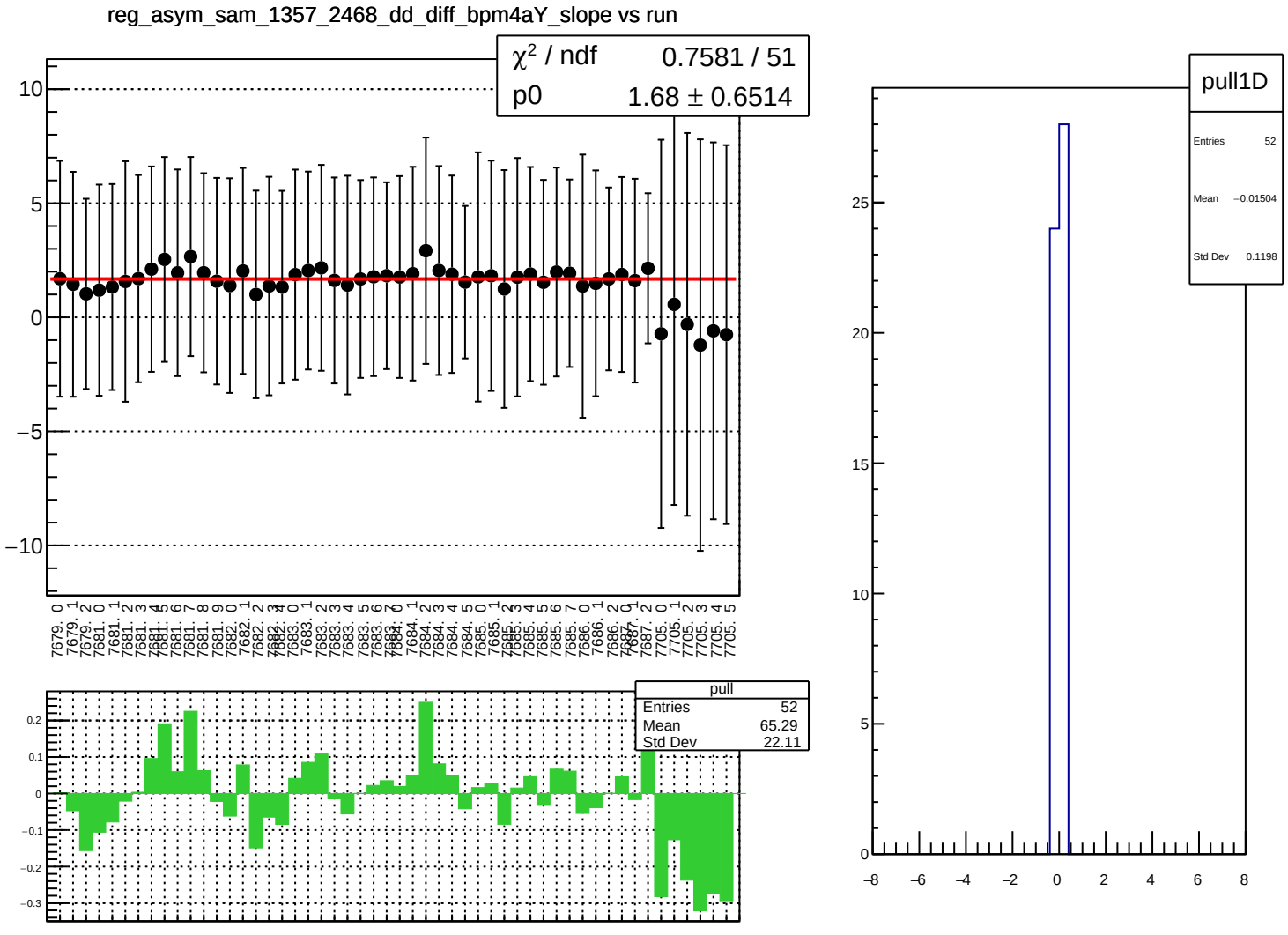

pull1D
Entries 52
Mean 0.1463
Std Dev 0.6293

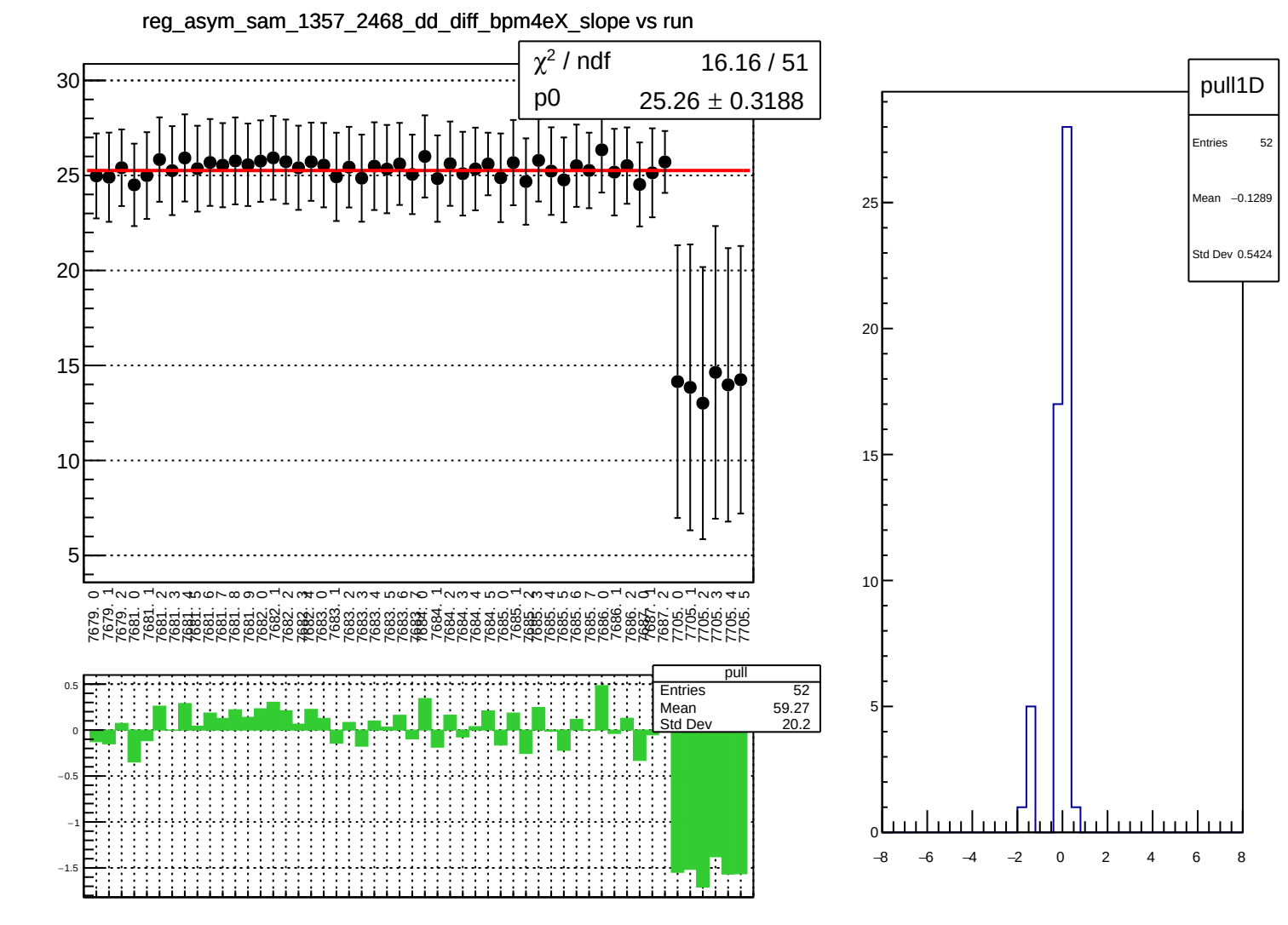

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.376 / 51
p0 43.66 ± 3.511
pull
Entries 52
Mean 94.84
Std Dev 55.19
pull1D
Entries 52
Mean −0.01856
Std Dev 0.2129

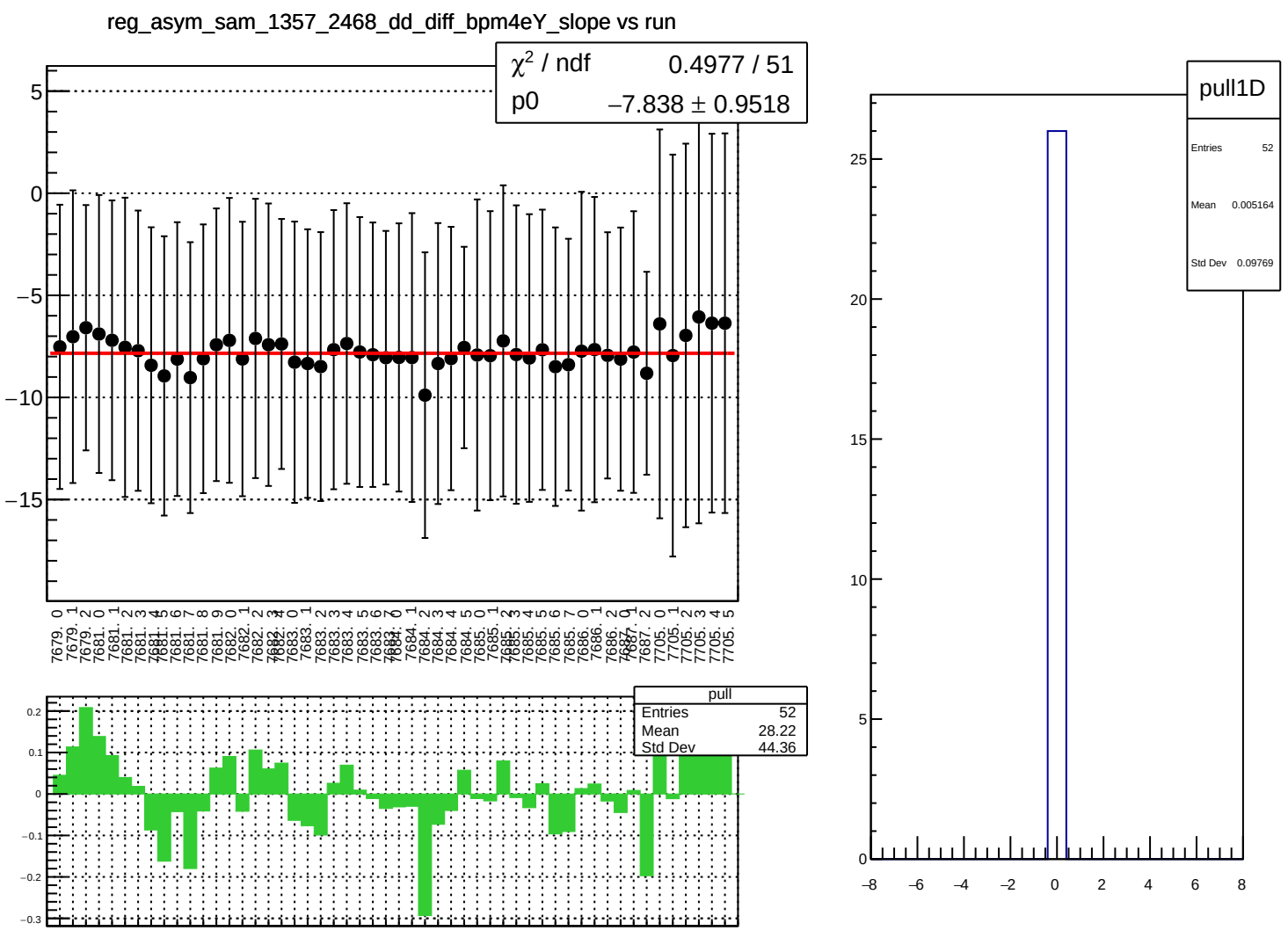

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 4.244 / 51
p0 0.2714 ± 0.1639
pull
Entries 52
Mean −51.67
Std Dev 84.15

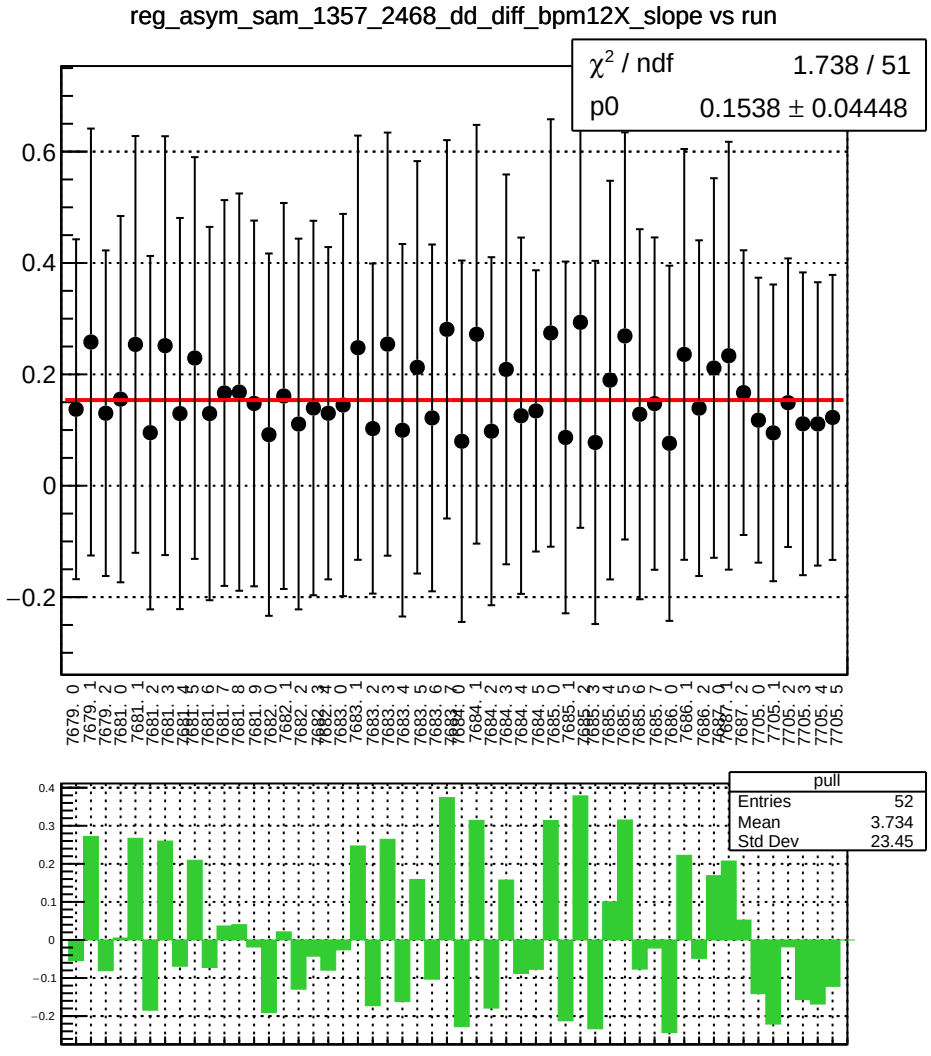

pull1D
Entries 52
Mean 0.02649
Std Dev 0.2845

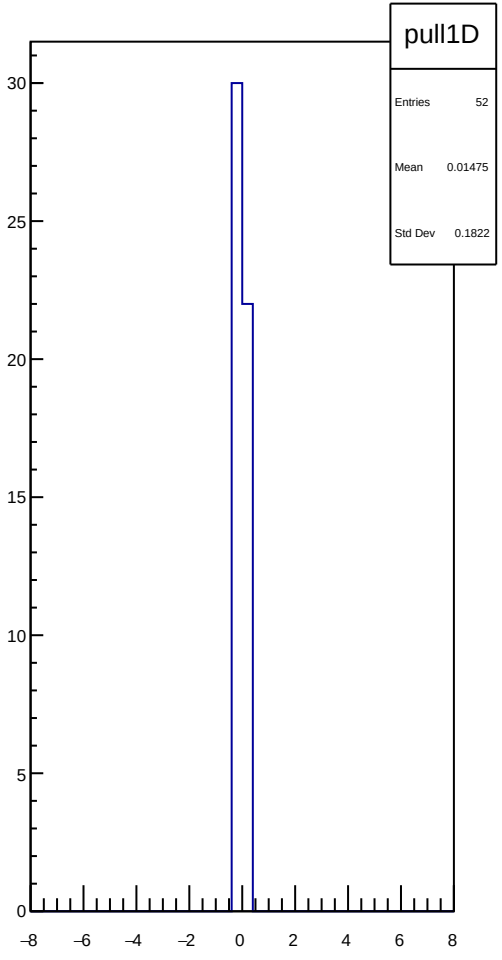

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 13.87 / 51
p0 −2.045 ± 0.3948
pull
Entries 52
Mean 58.93
Std Dev 18.3
pull1D
Entries 52
Mean 0.1122
Std Dev 0.5041

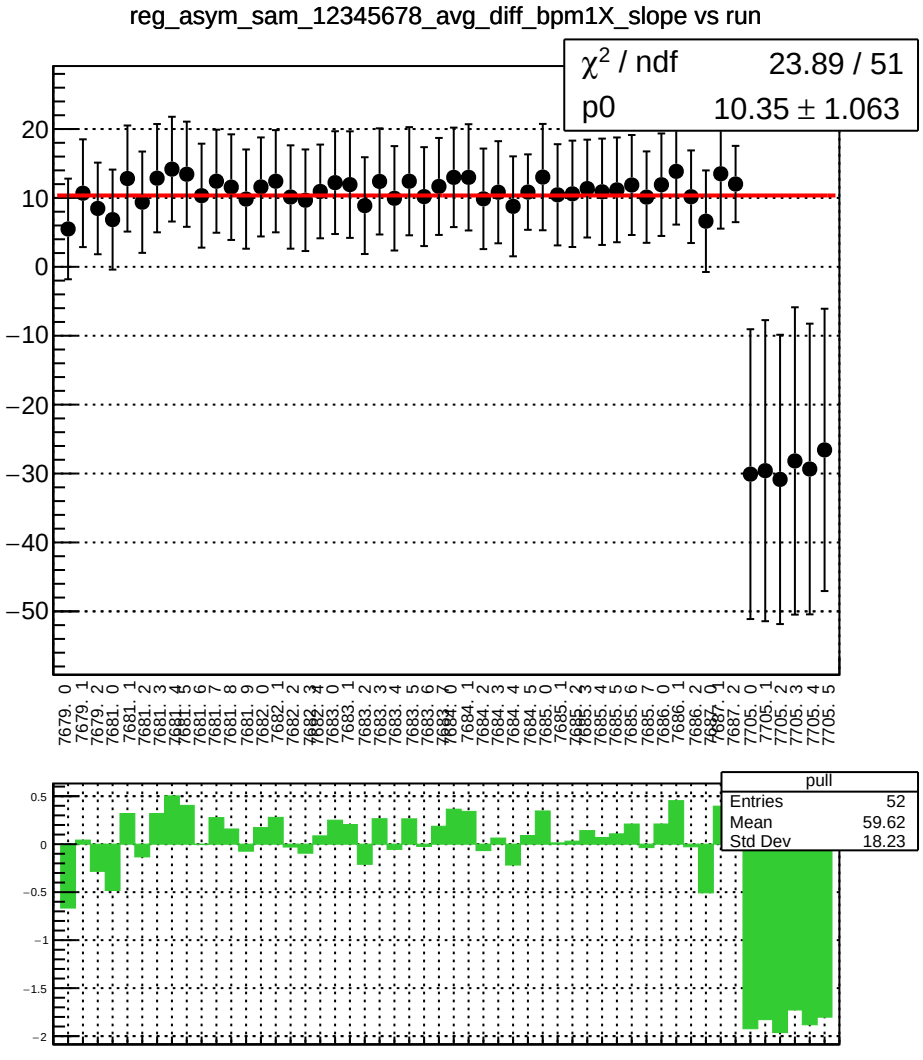

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7581 / 51
p0 1.68 ± 0.6514
pull
Entries 52
Mean 65.29
Std Dev 22.11
pull1D
Entries 52
Mean −0.01504
Std Dev 0.1198

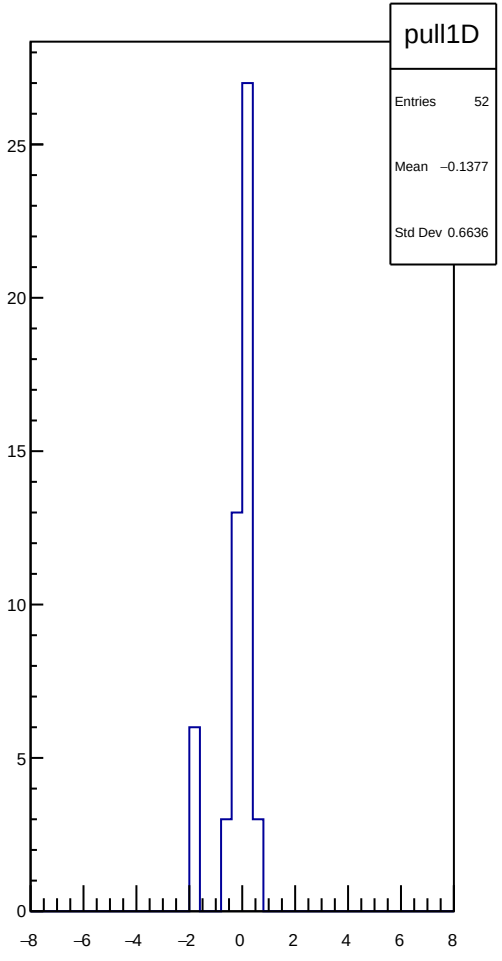

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.16 / 51
p0 25.26 ± 0.3188
pull
Entries 52
Mean 59.27
Std Dev 20.2
pull1D
Entries 52
Mean −0.1289
Std Dev 0.5424

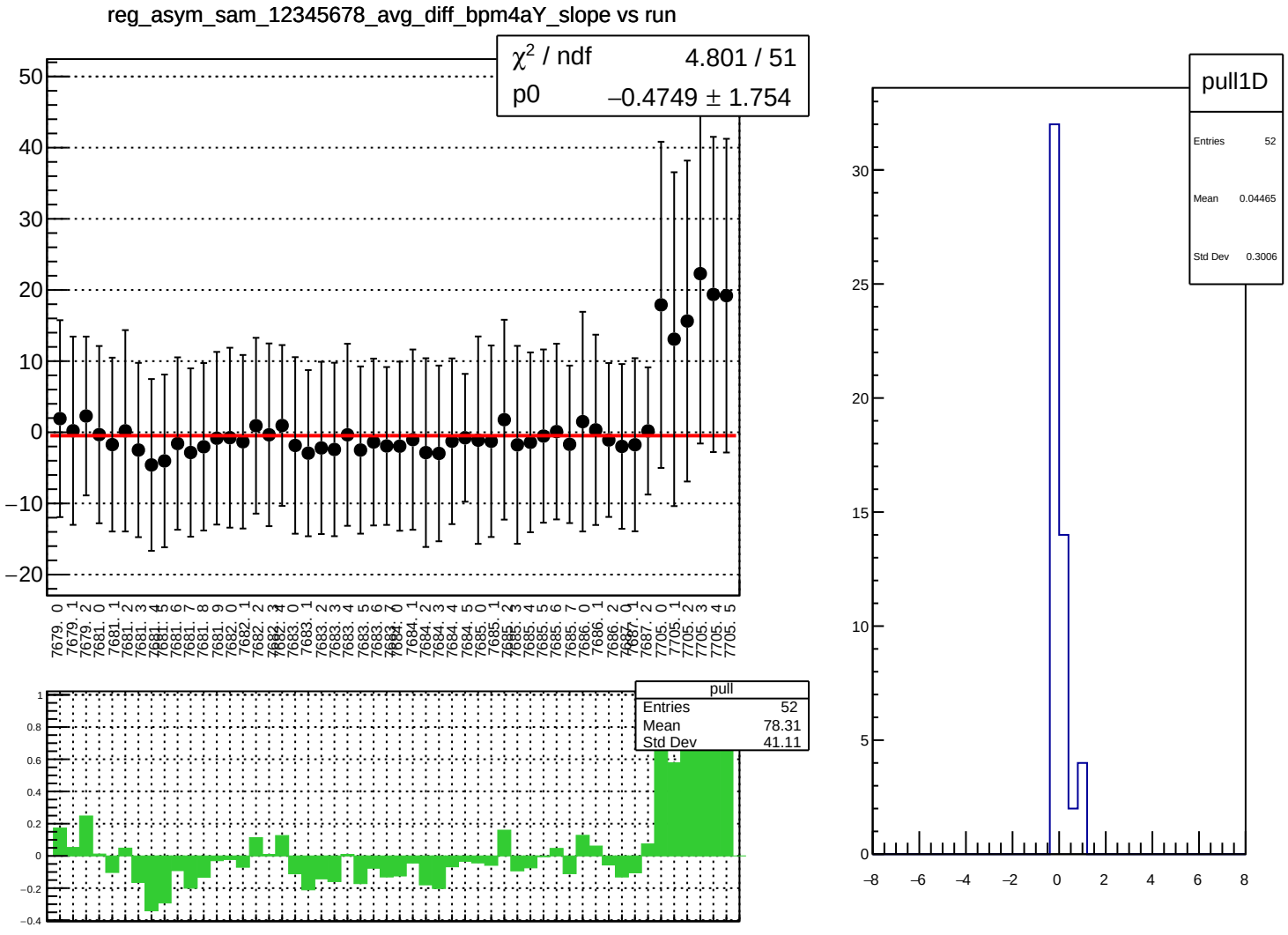

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.4977 / 51
p0 −7.838 ± 0.9518
pull
Entries 52
Mean 28.22
Std Dev 44.36
pull1D
Entries 52
Mean 0.005164
Std Dev 0.09769

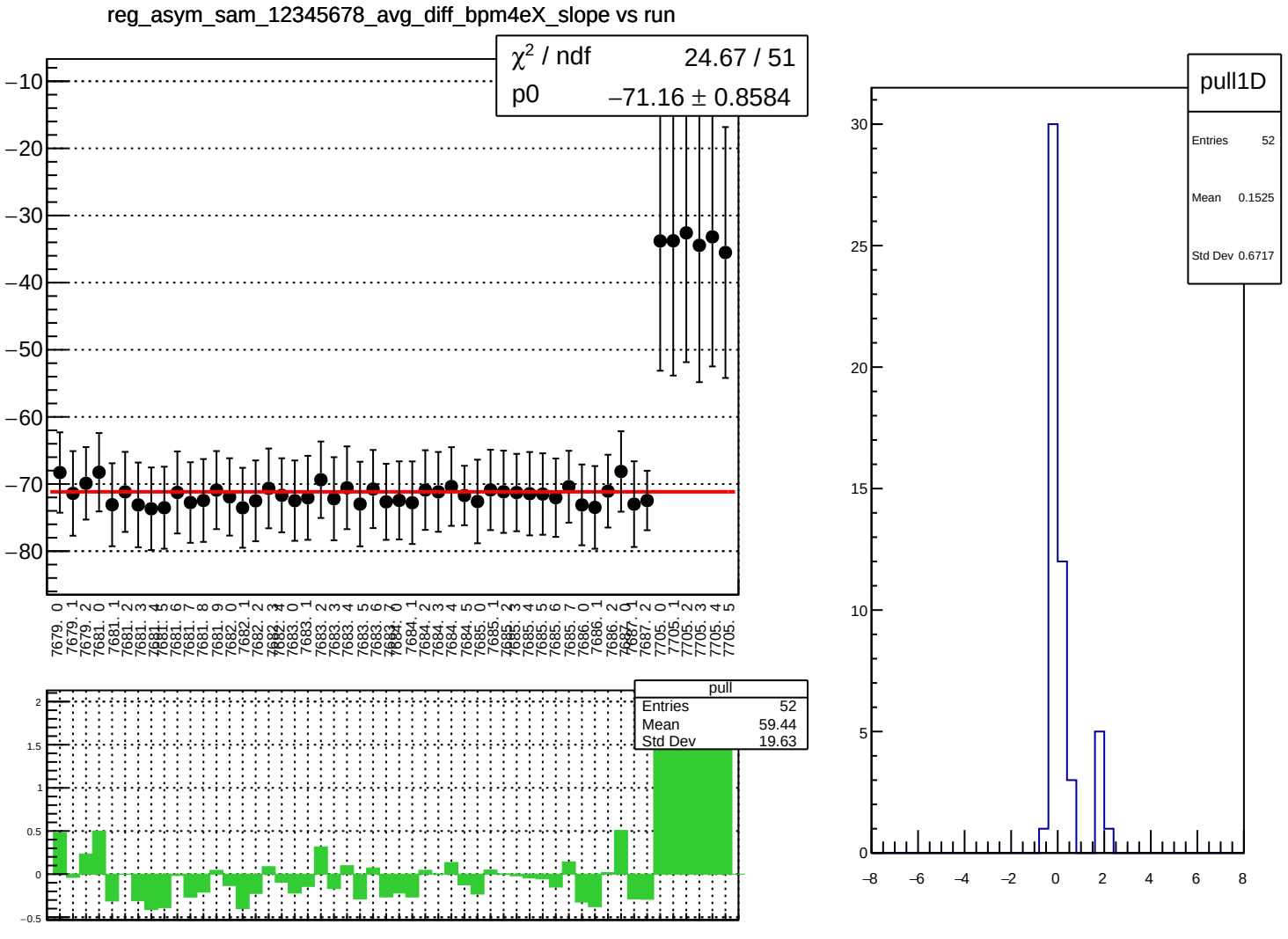

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.738 / 51
p0 0.1538 ± 0.04448
pull
Entries 52
Mean 3.734
Std Dev 23.45

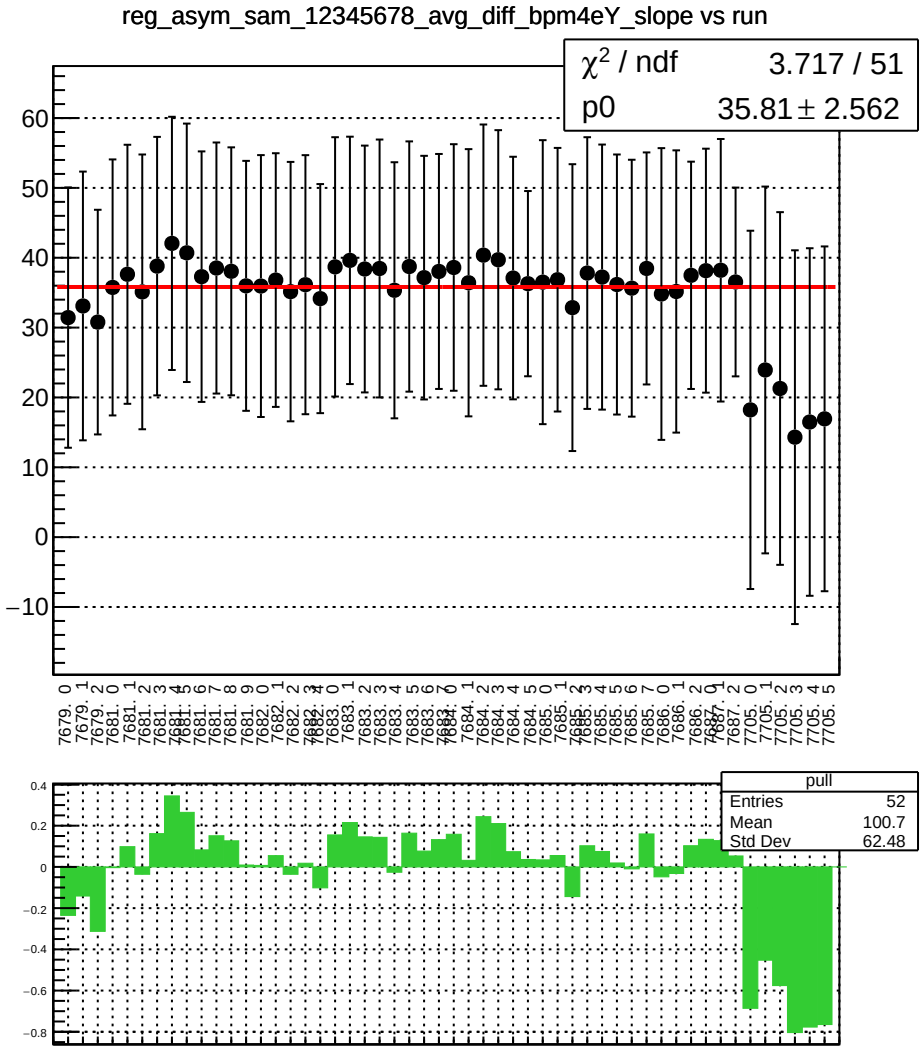

pull1D
Entries 52
Mean 0.01475
Std Dev 0.1822

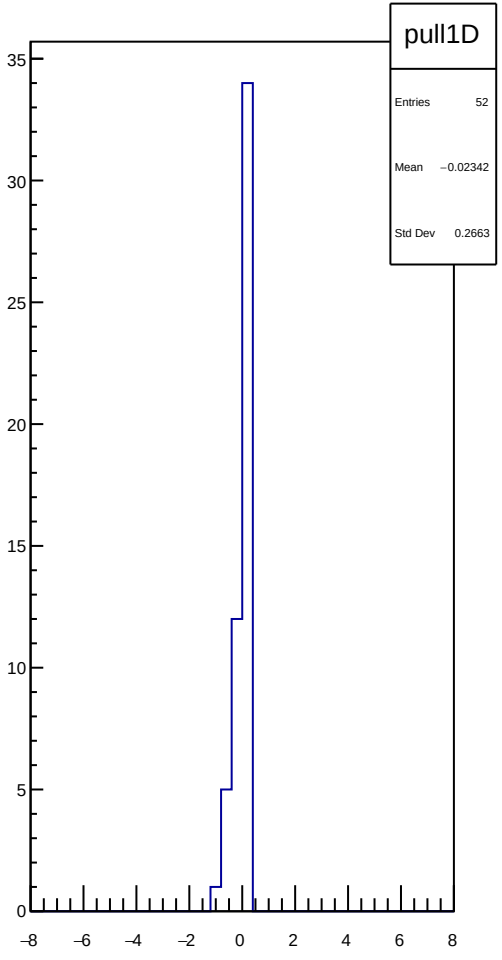

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 23.89 / 51
p0 10.35 ± 1.063
pull
Entries 52
Mean 59.62
Std Dev 18.23

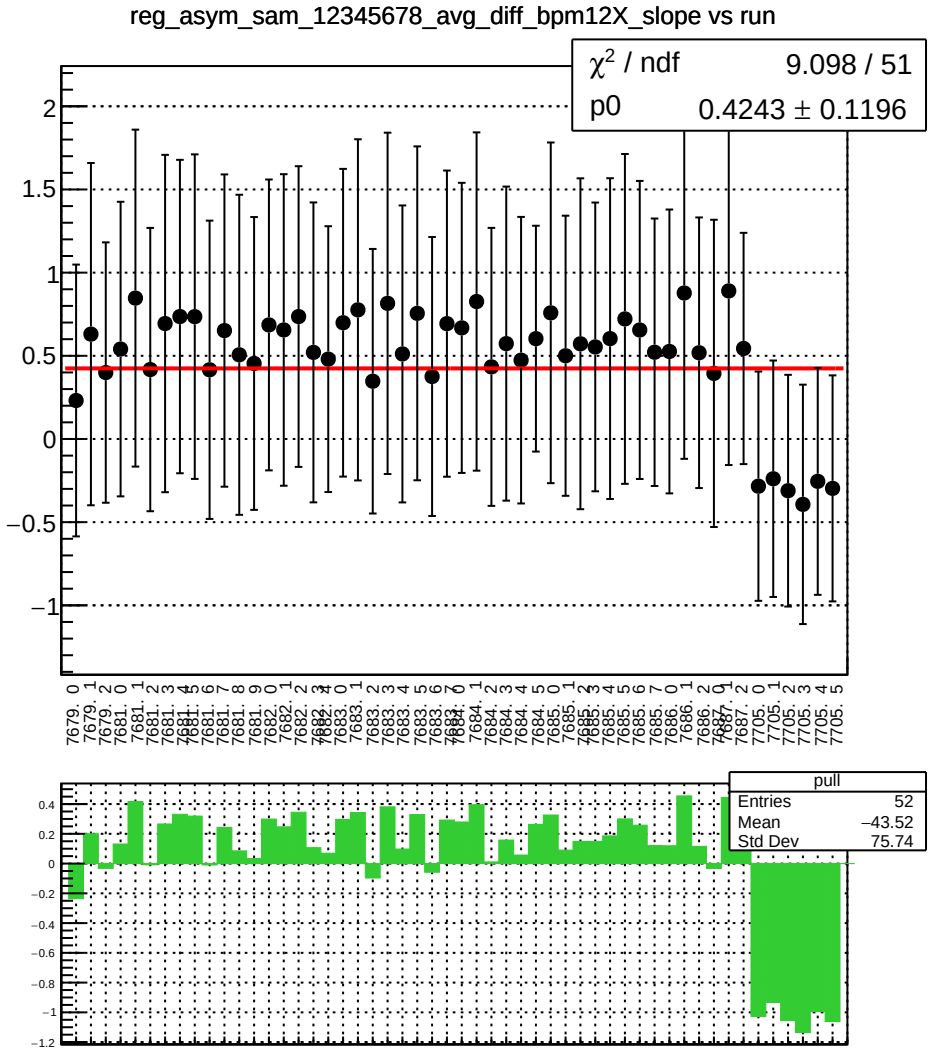

pull1D
Entries 52
Mean −0.1377
Std Dev 0.6636

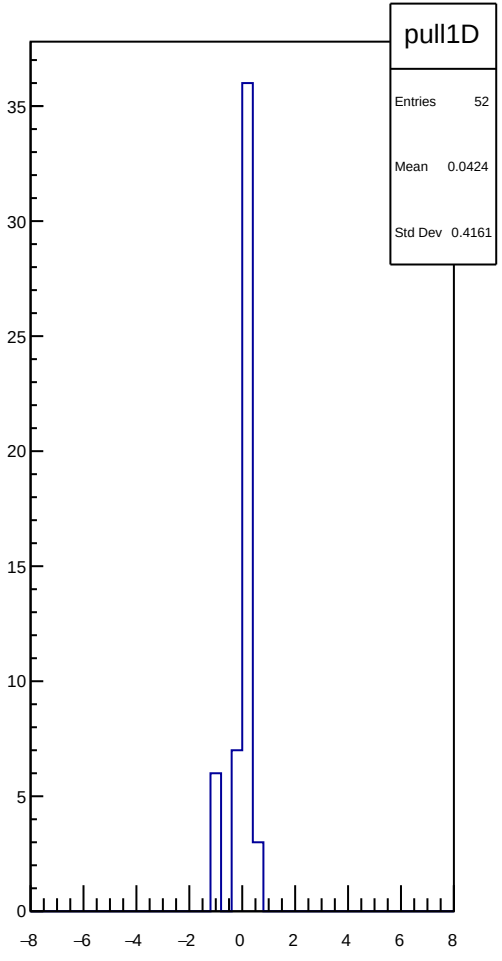

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.801 / 51
p0 −0.4749 ± 1.754
pull
Entries 52
Mean 78.31
Std Dev 41.11
pull1D
Entries 52
Mean 0.04465
Std Dev 0.3006

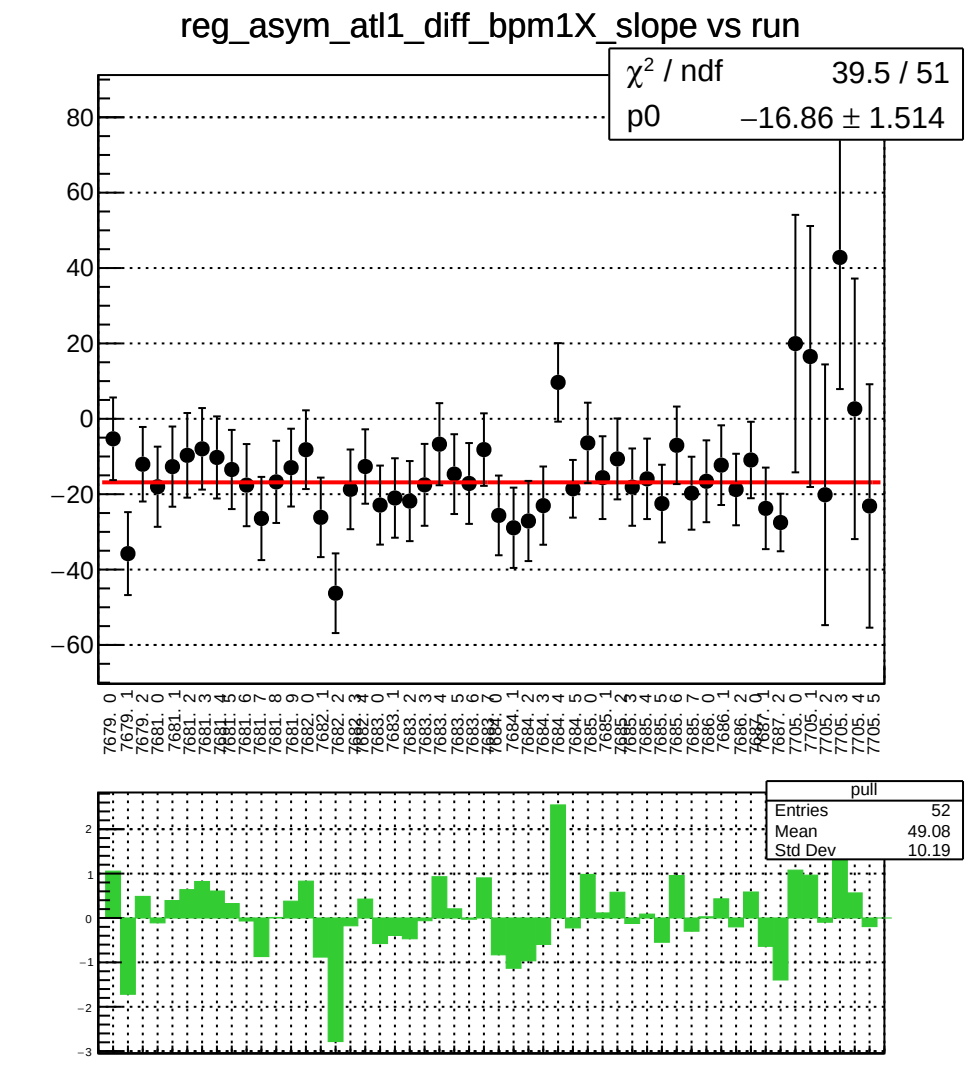

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.67 / 51
p0 −71.16 ± 0.8584
pull
Entries 52
Mean 59.44
Std Dev 19.63
pull1D
Entries 52
Mean 0.1525
Std Dev 0.6717

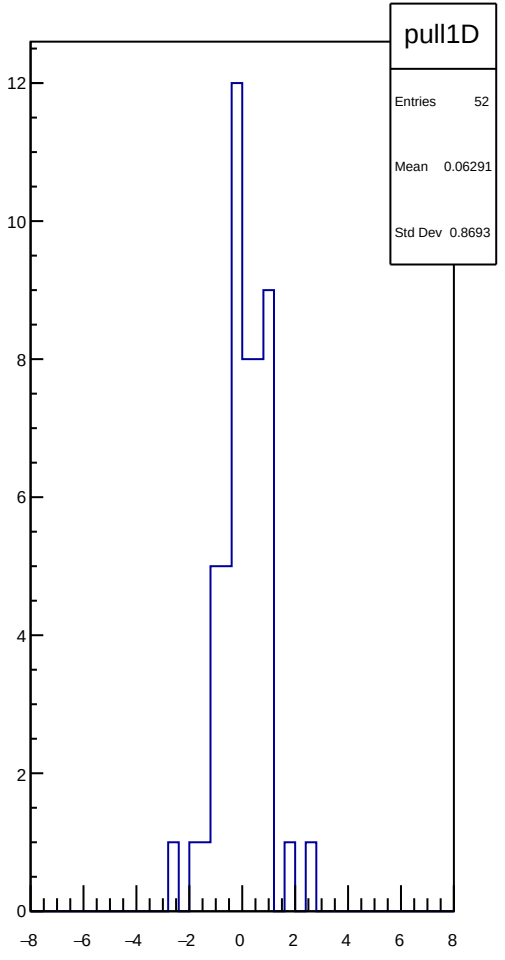

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.717 / 51
p0 35.81 ± 2.562
pull
Entries 52
Mean 100.7
Std Dev 62.48

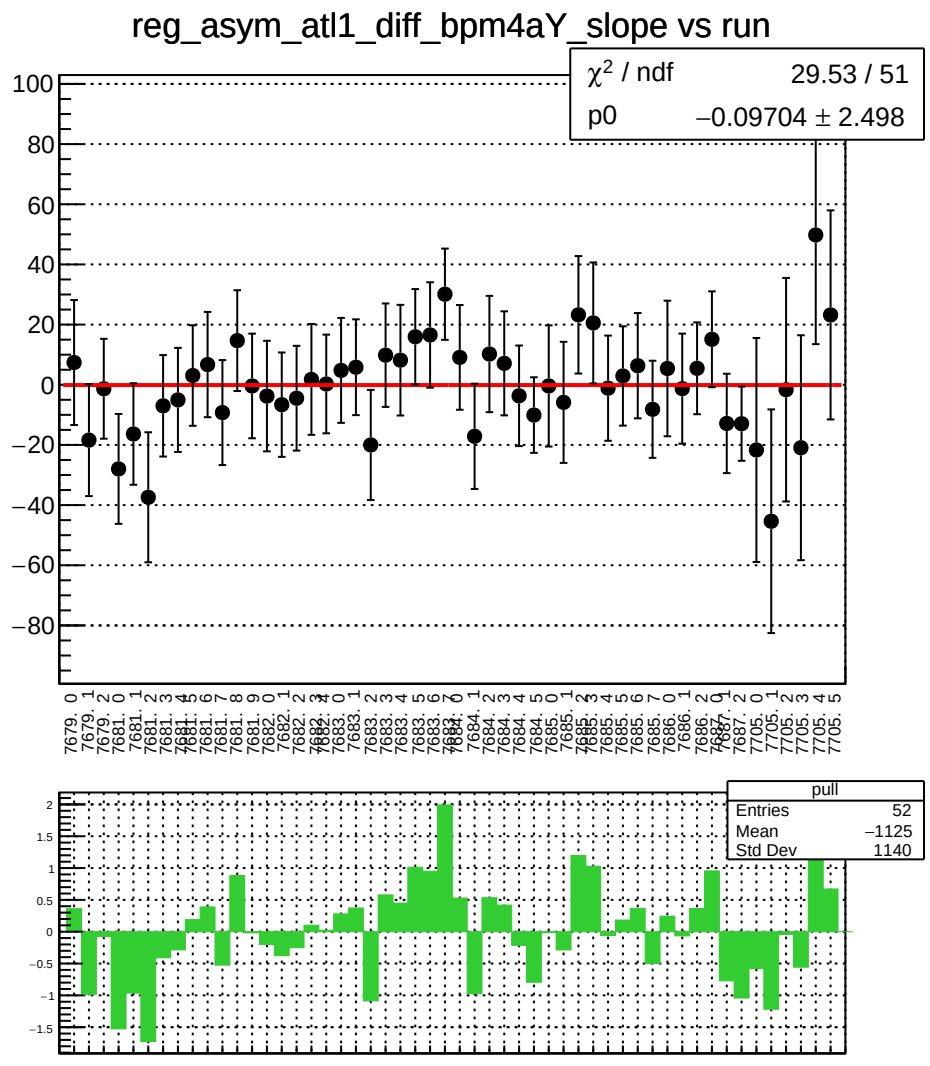

pull1D
Entries 52
Mean −0.02342
Std Dev 0.2663

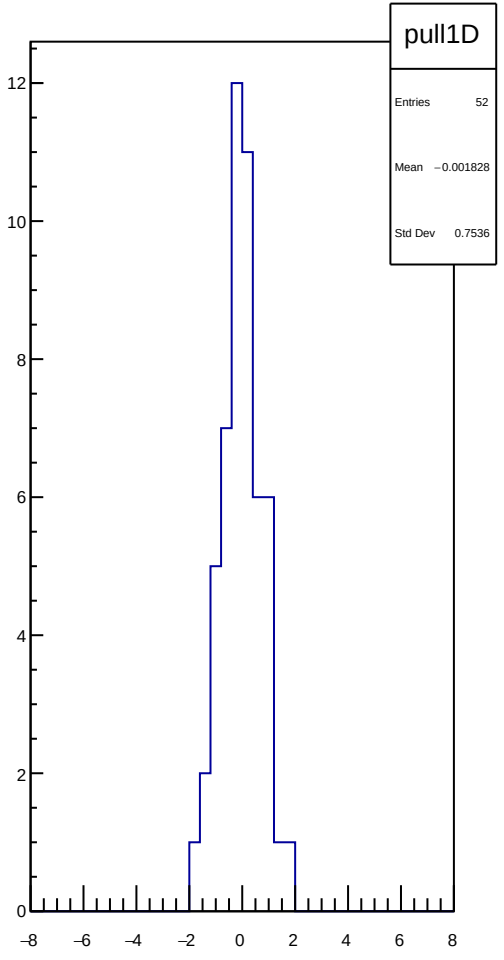

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 9.098 / 51
p0 0.4243 ± 0.1196
pull
Entries 52
Mean −43.52
Std Dev 75.74

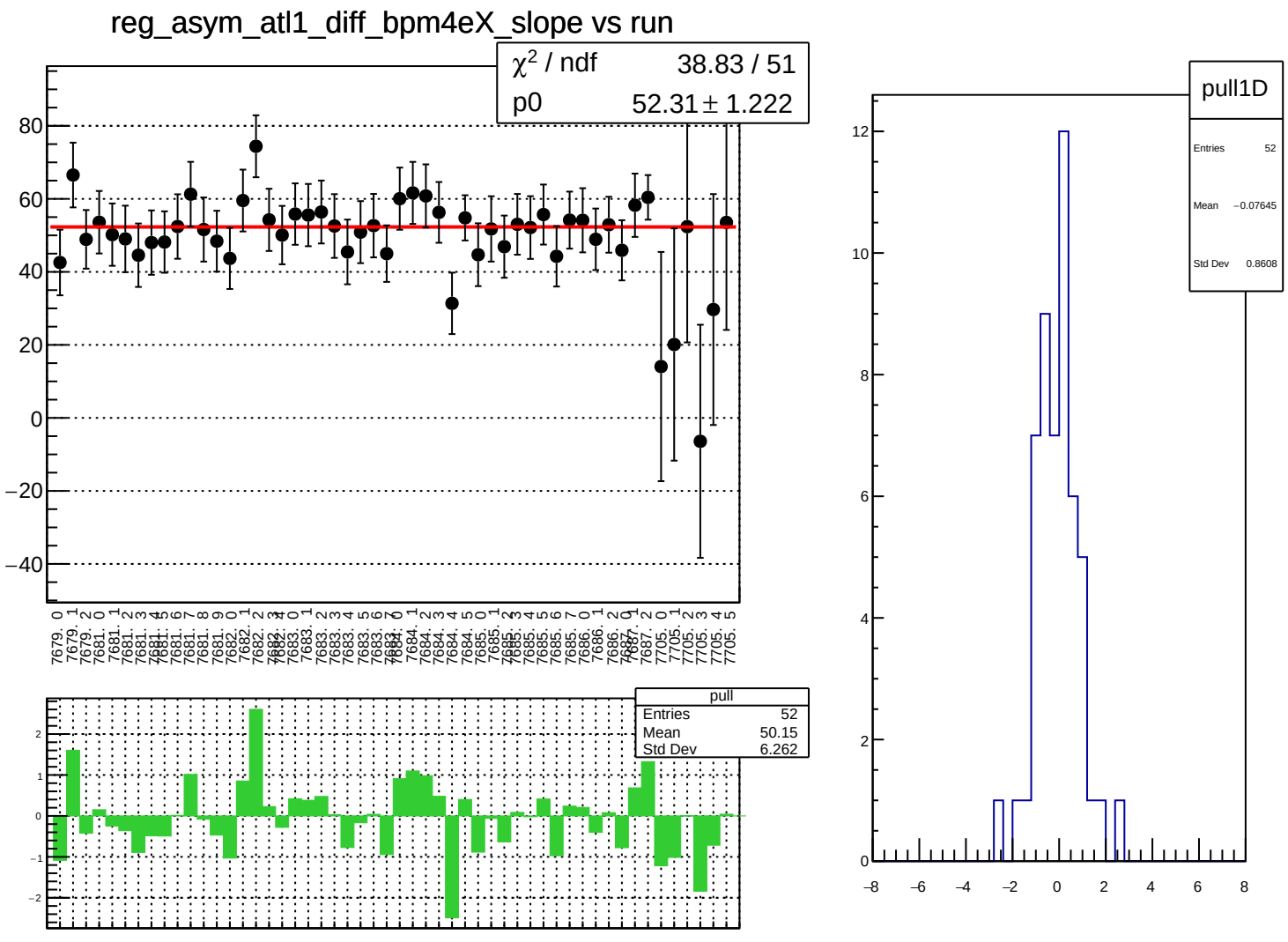

pull1D
Entries 52
Mean 0.0424
Std Dev 0.4161

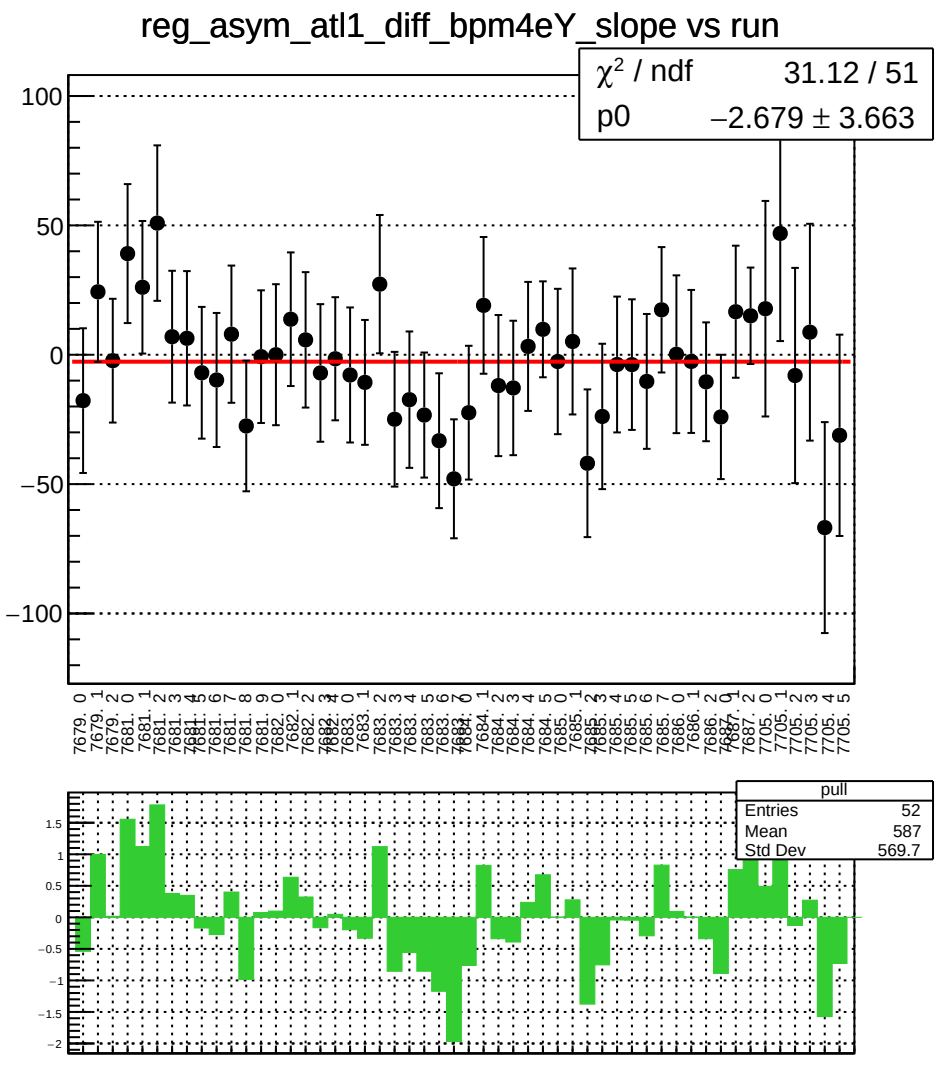

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 39.5 / 51
p0 −16.86 ± 1.514
pull
Entries 52
Mean 49.08
Std Dev 10.19

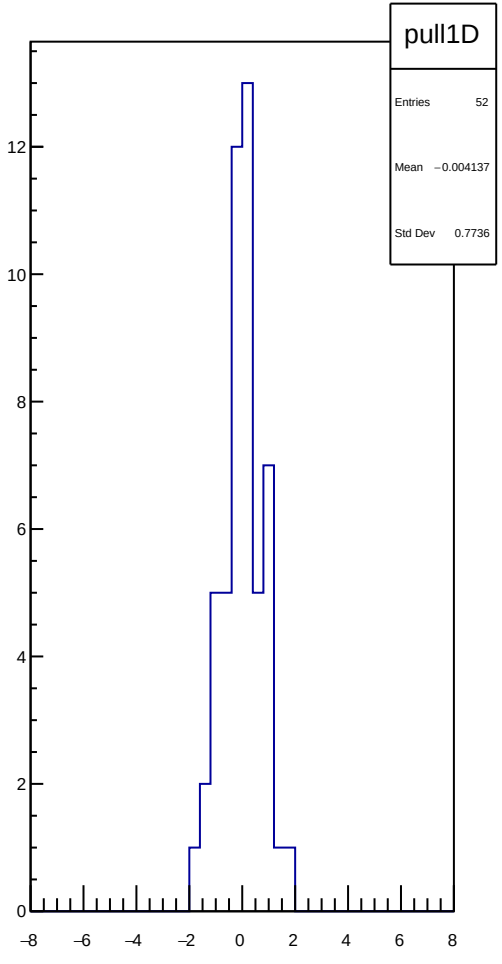

pull1D
Entries 52
Mean 0.06291
Std Dev 0.8693

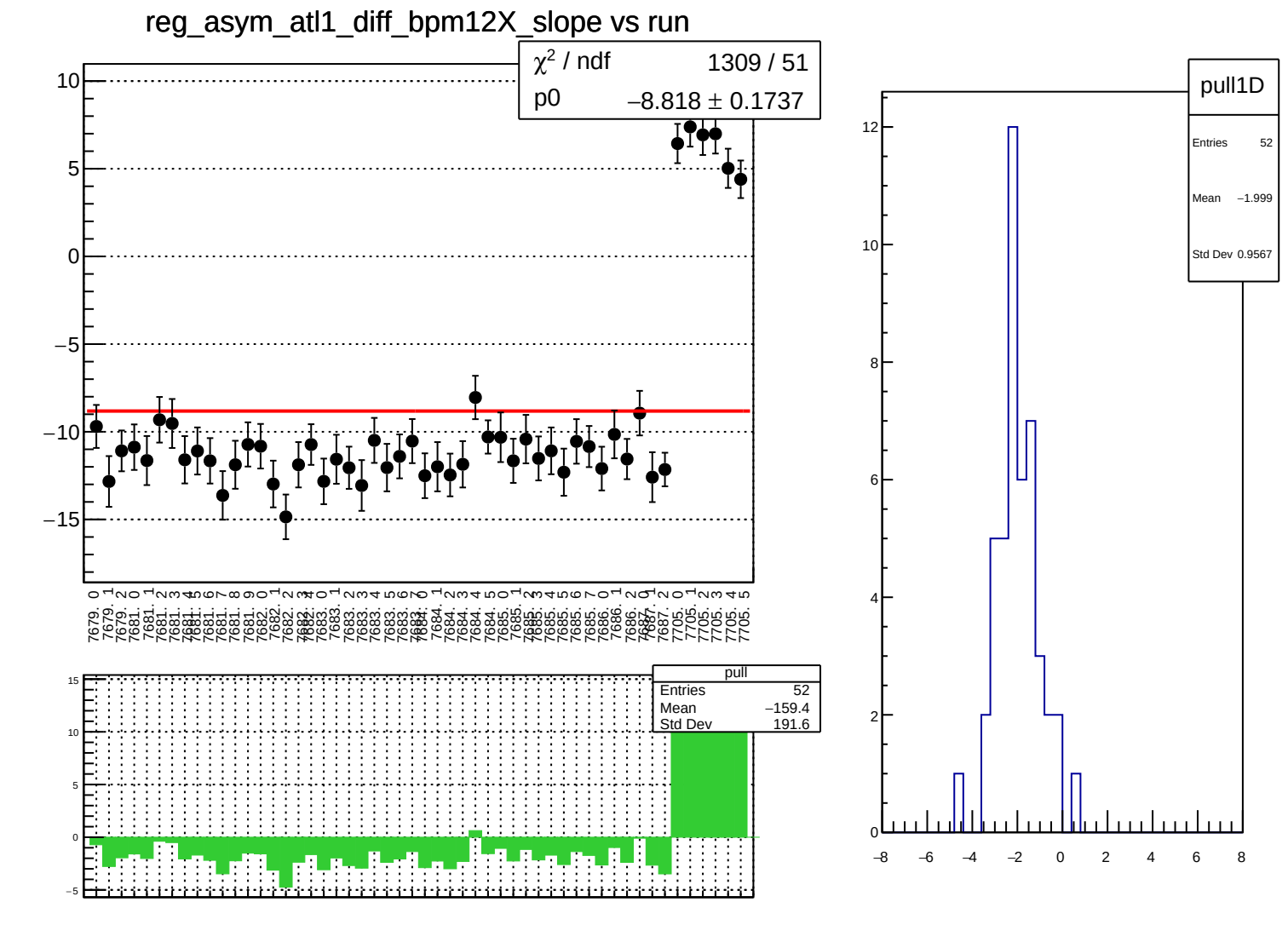

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 29.53 / 51
p0 −0.09704 ± 2.498
pull
Entries 52
Mean −1125
Std Dev 1140

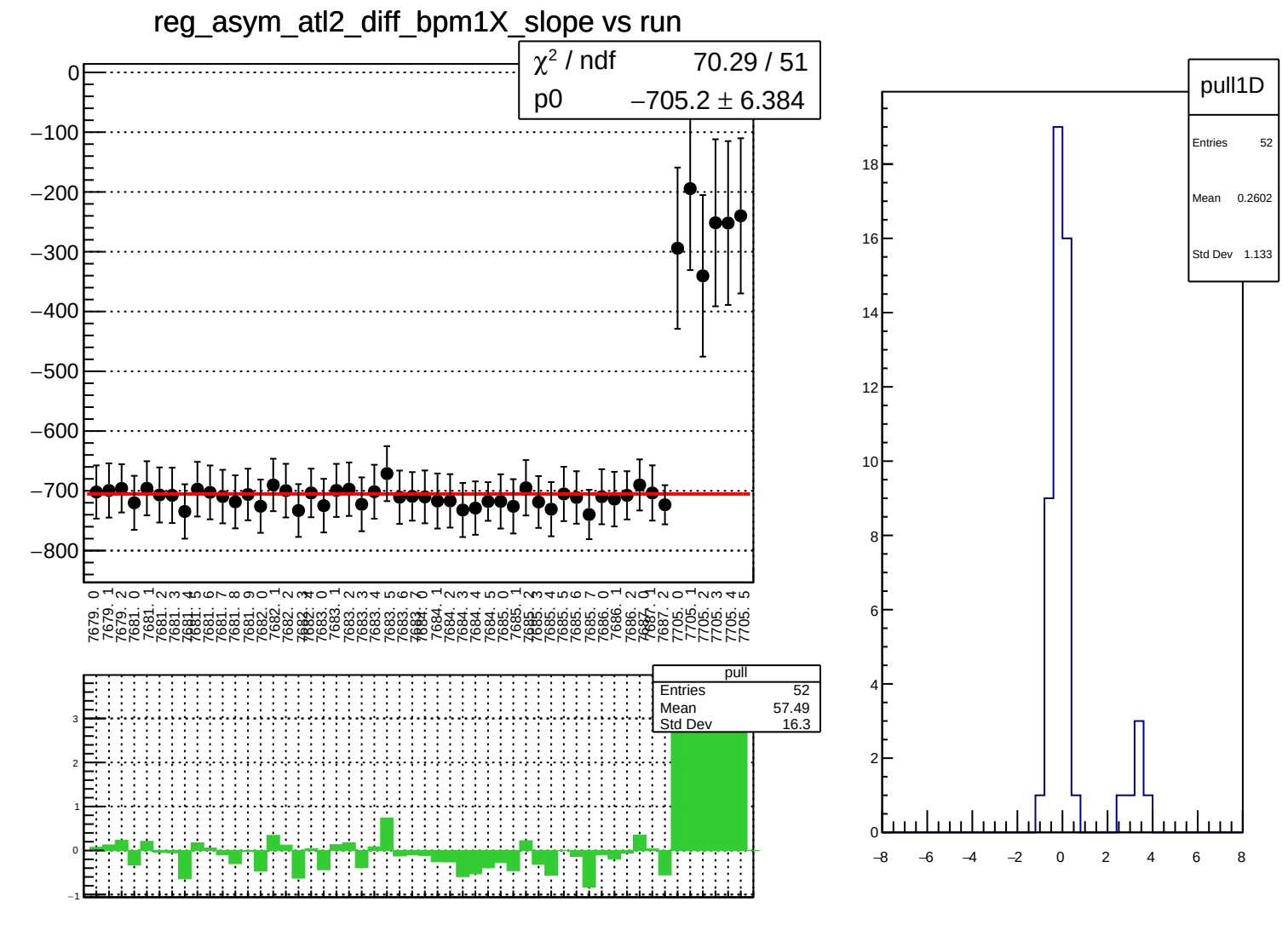

pull1D
Entries 52
Mean −0.001828
Std Dev 0.7536

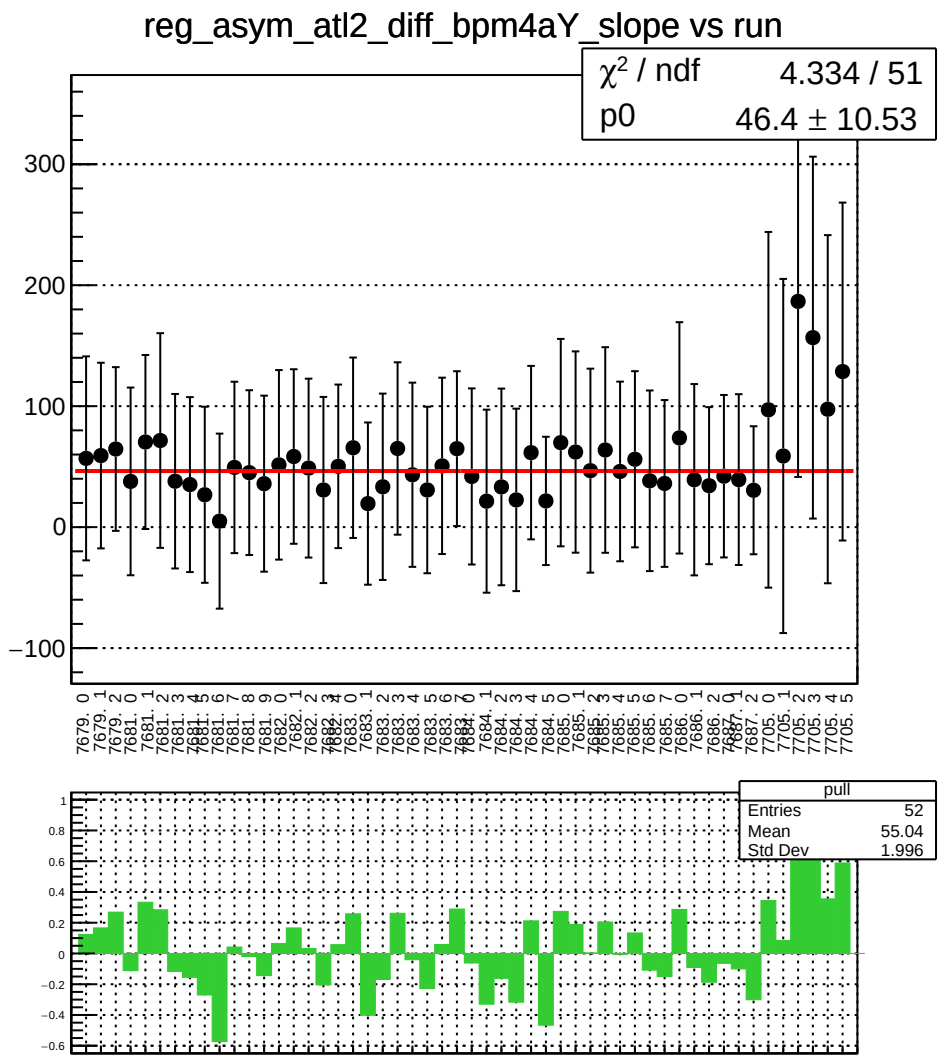

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 38.83 / 51
p0 52.31 ± 1.222
pull
Entries 52
Mean 50.15
Std Dev 6.262
pull1D
Entries 52
Mean −0.07645
Std Dev 0.8608

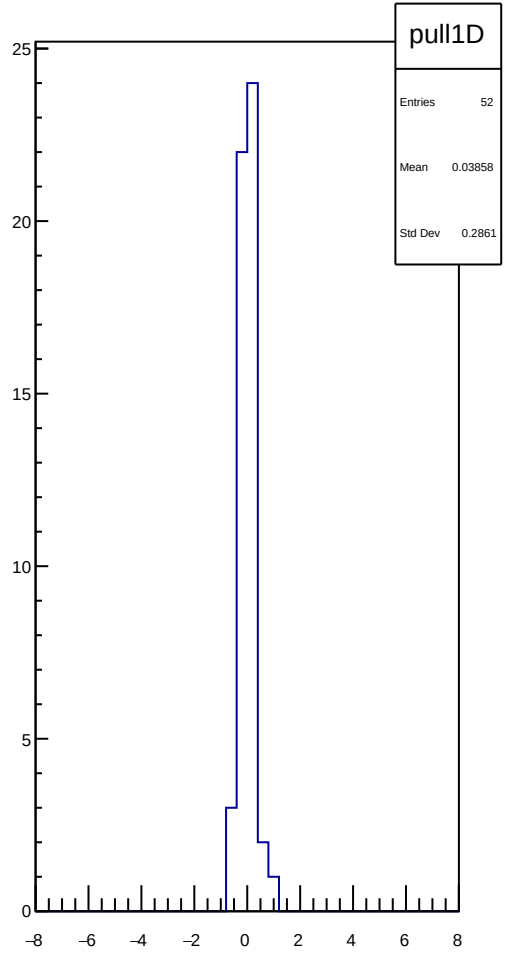

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 31.12 / 51
p0 −2.679 ± 3.663
pull
Entries 52
Mean 587
Std Dev 569.7

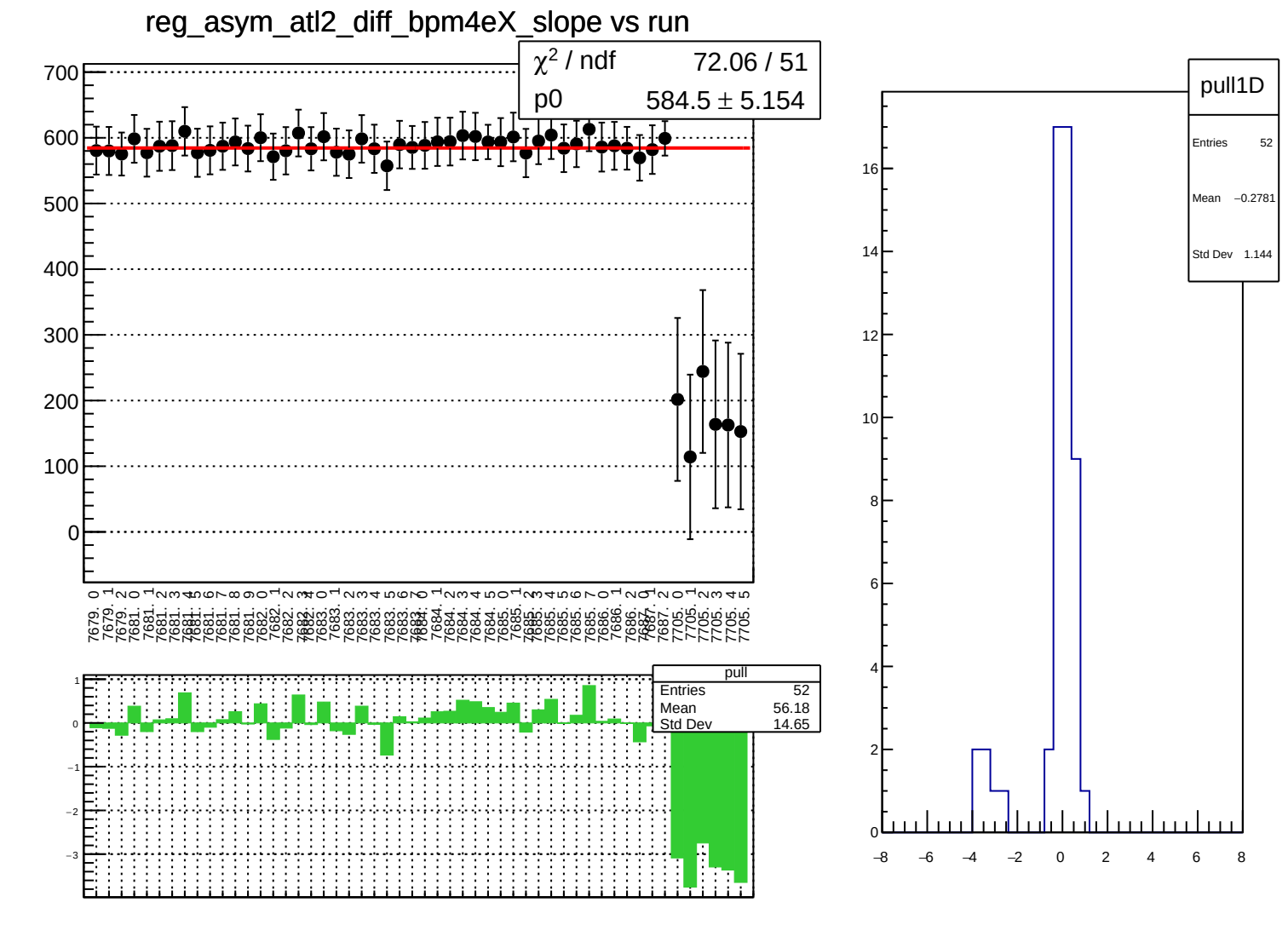

pull1D
Entries 52
Mean −0.004137
Std Dev 0.7736

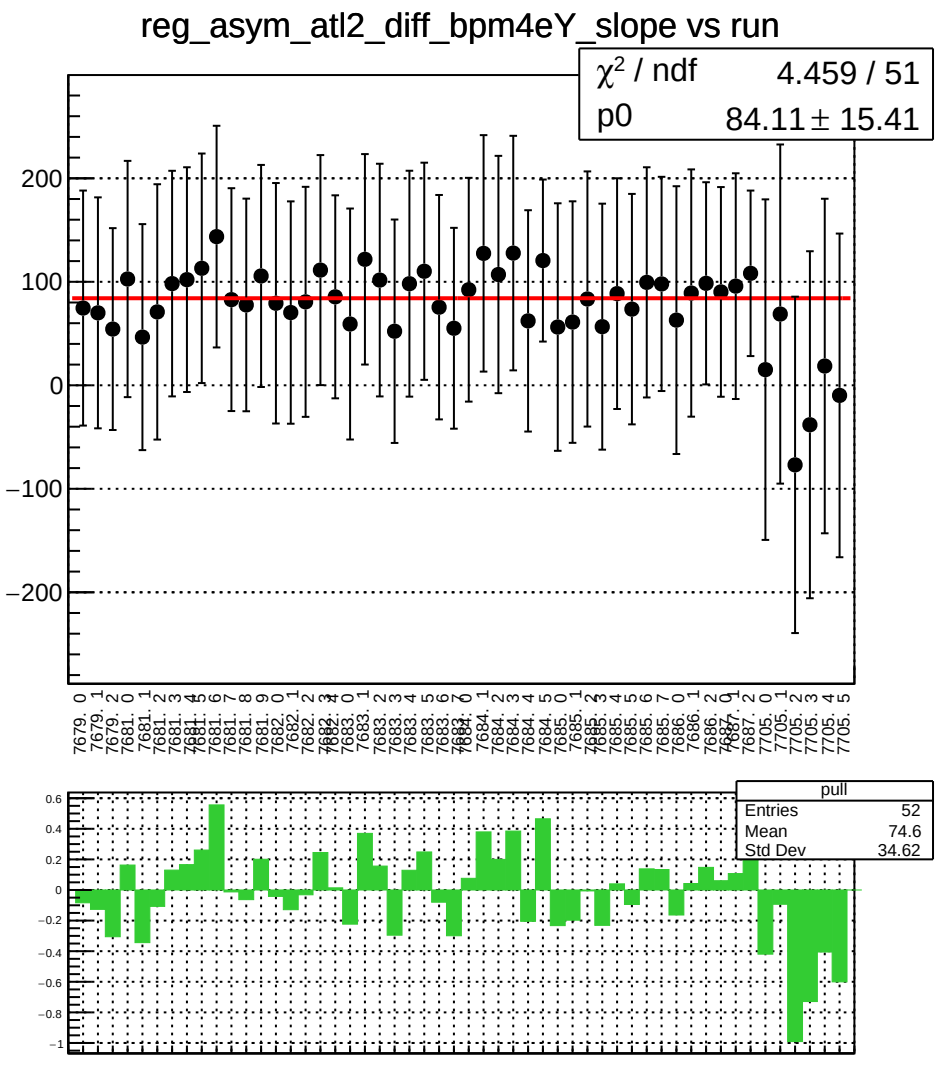

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 1309 / 51
p0 −8.818 ± 0.1737
pull
Entries 52
Mean −159.4
Std Dev 191.6
pull1D
Entries 52
Mean −1.999
Std Dev 0.9567

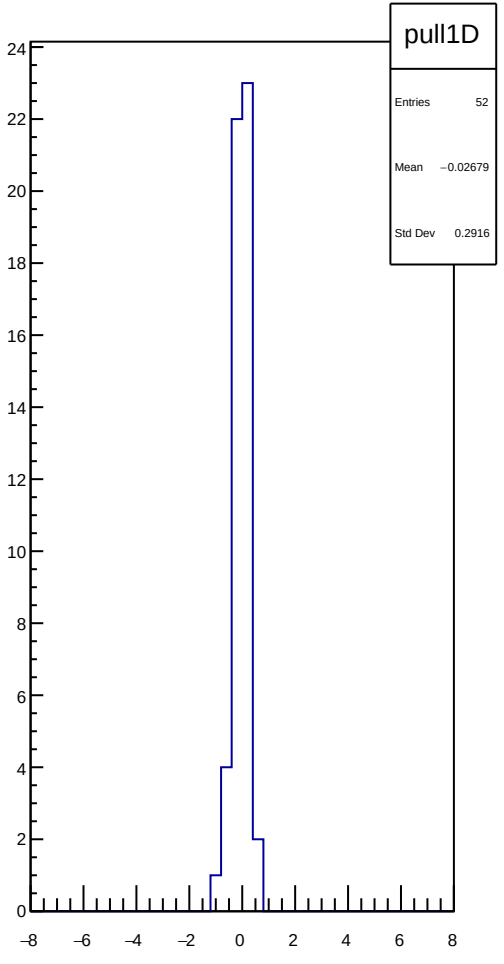

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 70.29 / 51
p0 −705.2 ± 6.384
pull
Entries 52
Mean 57.49
Std Dev 16.3
pull1D
Entries 52
Mean 0.2602
Std Dev 1.133

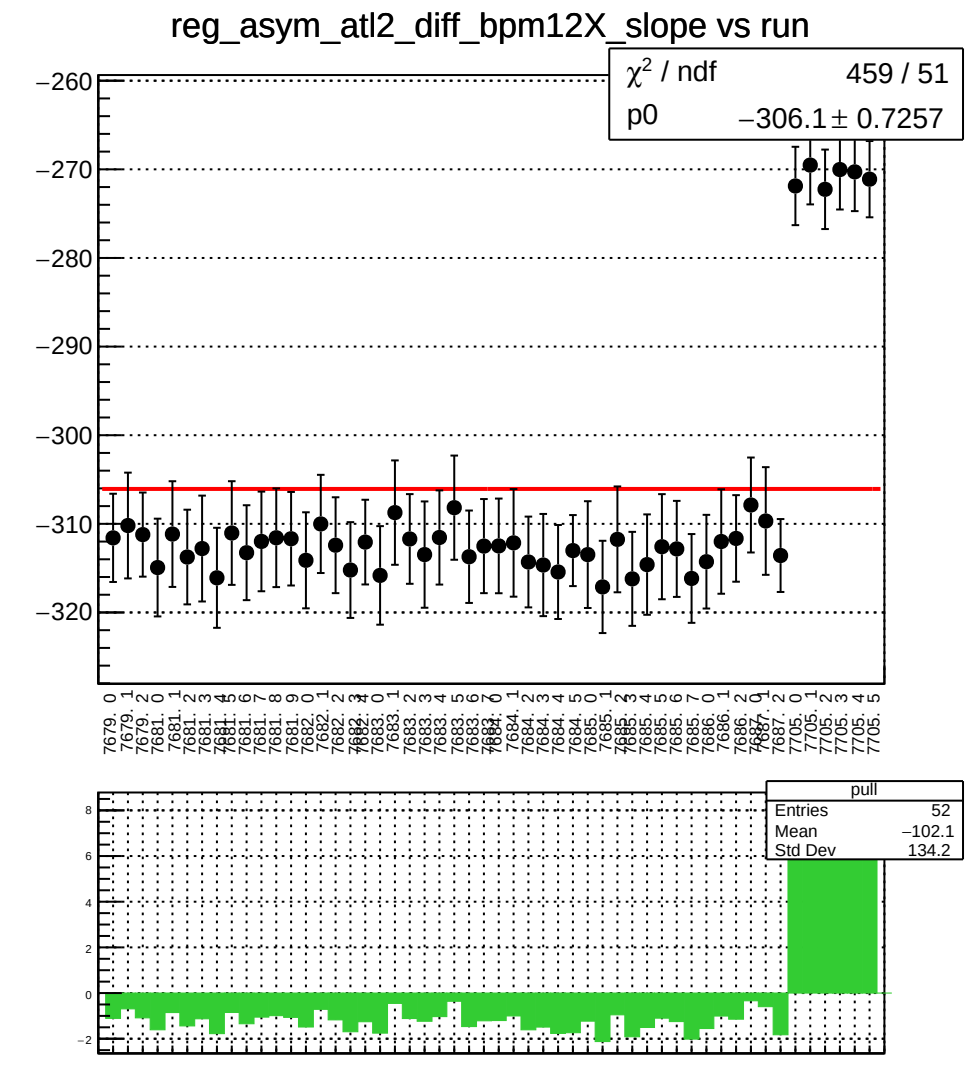

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.334 / 51
p0 46.4 ± 10.53
300
200
100
0
−100
pull
Entries 52
Mean 55.04
Std Dev 1.996
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

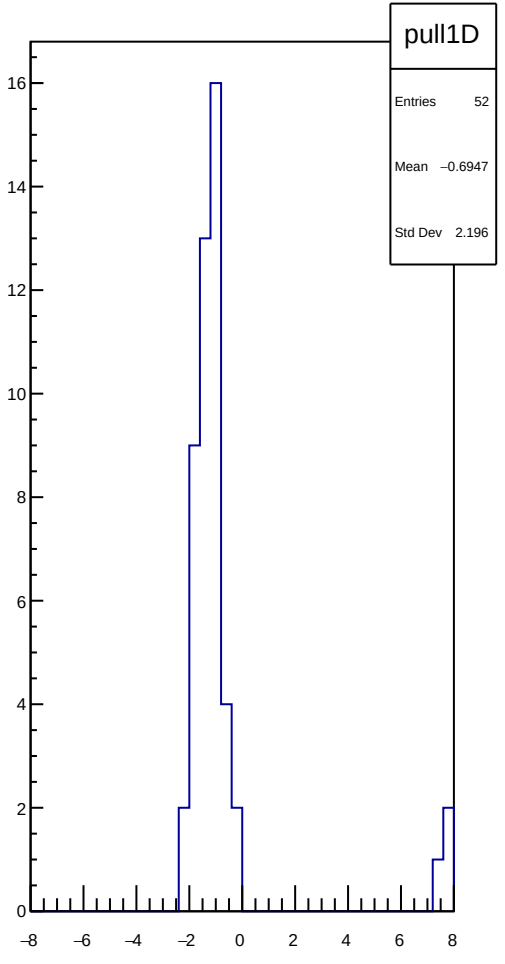

pull1D
Entries 52
Mean 0.03858
Std Dev 0.2861
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

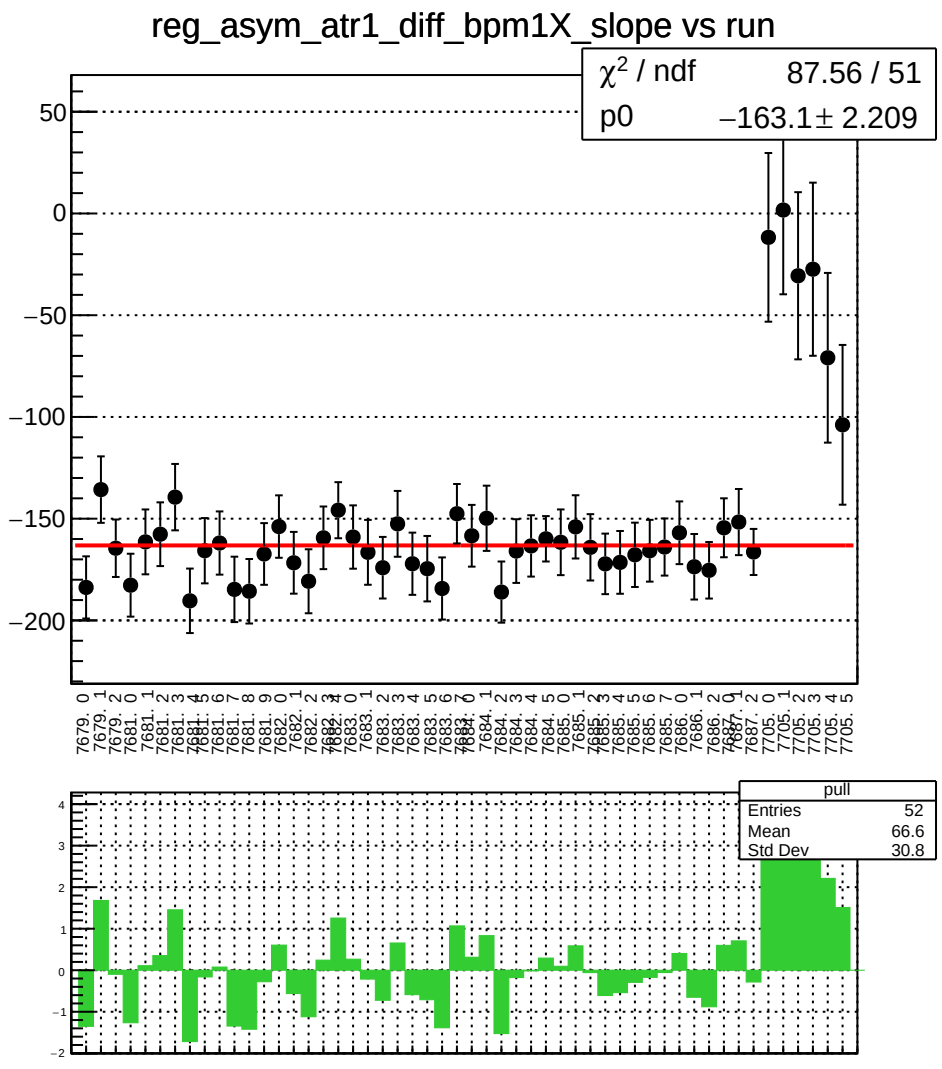

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 72.06 / 51
p0 584.5 ± 5.154
pull
Entries 52
Mean 56.18
Std Dev 14.65
pull1D
Entries 52
Mean −0.2781
Std Dev 1.144

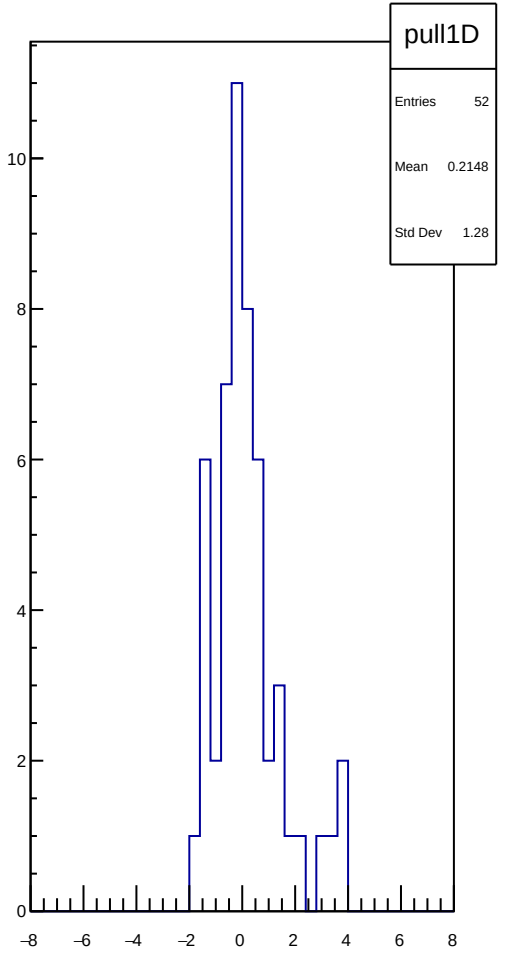

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.459 / 51
p0 84.11 ± 15.41
pull
Entries 52
Mean 74.6
Std Dev 34.62

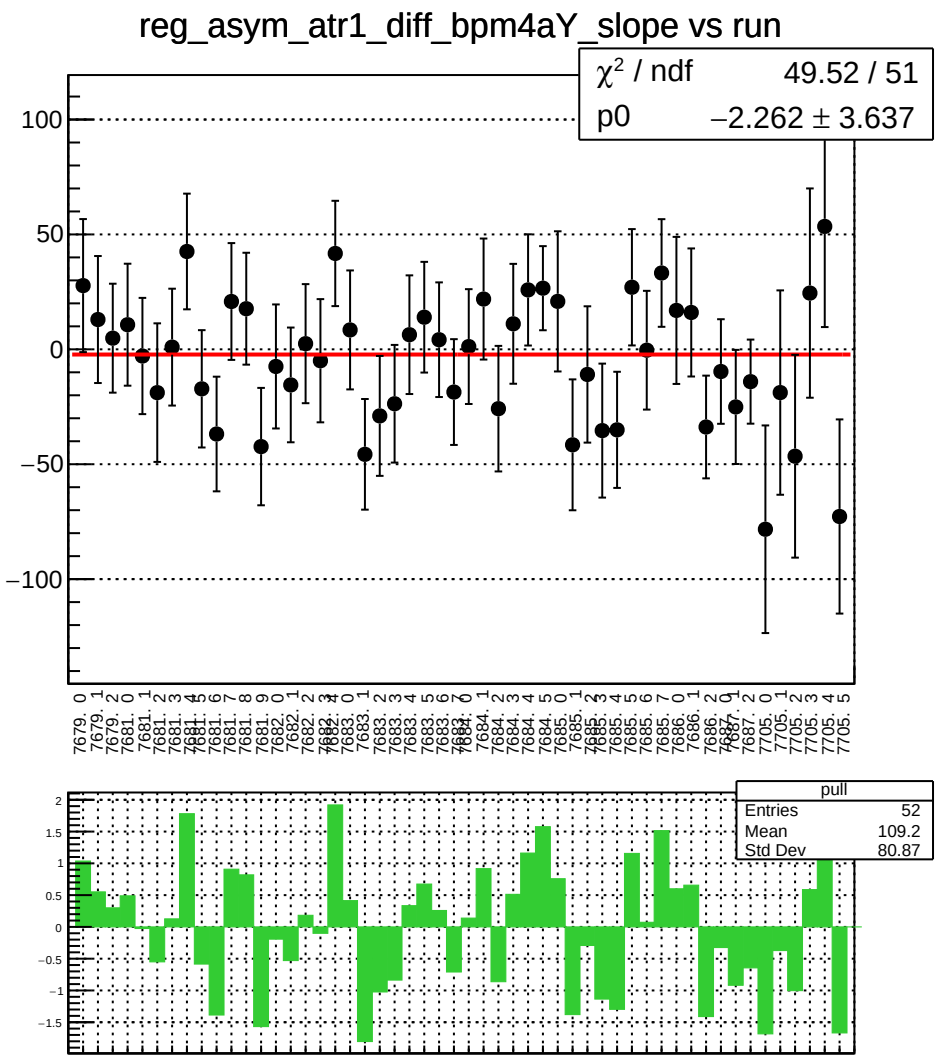

pull1D
Entries 52
Mean −0.02679
Std Dev 0.2916

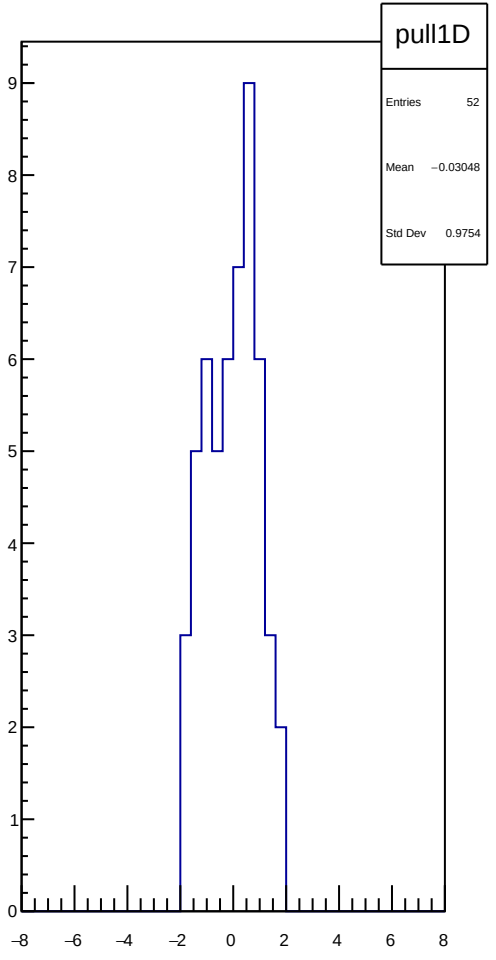

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 459 / 51
p0 −306.1 ± 0.7257
pull
Entries 52
Mean −102.1
Std Dev 134.2

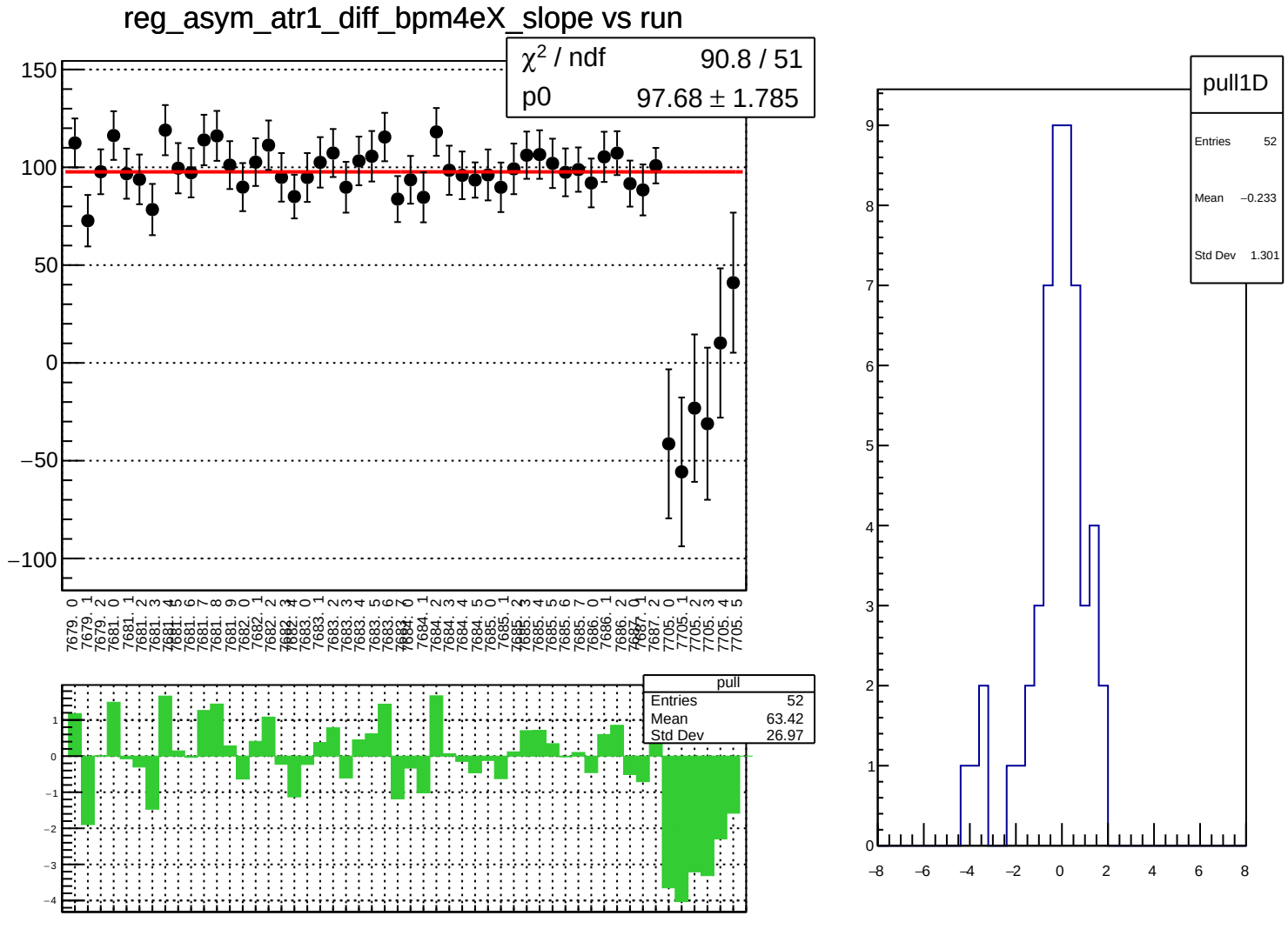

pull1D
Entries 52
Mean −0.6947
Std Dev 2.196

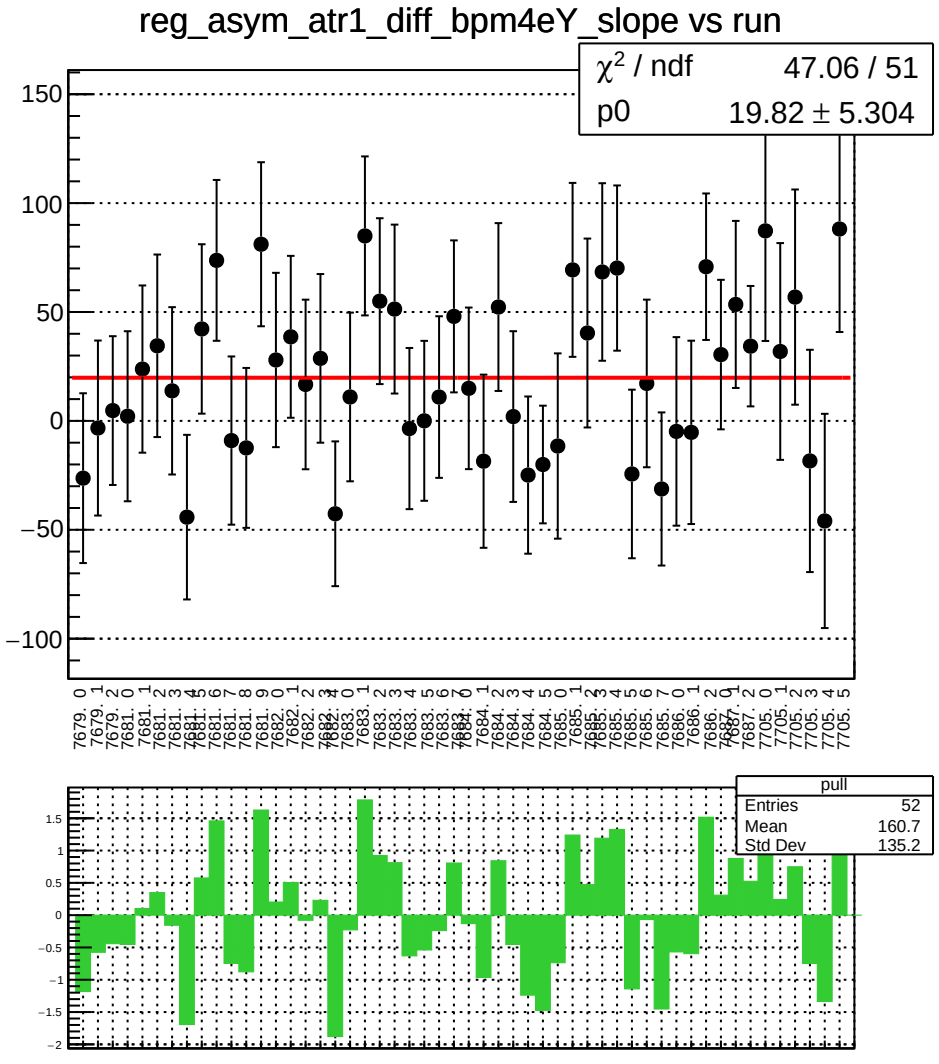

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 87.56 / 51
p0 −163.1± 2.209
pull
Entries 52
Mean 66.6
Std Dev 30.8

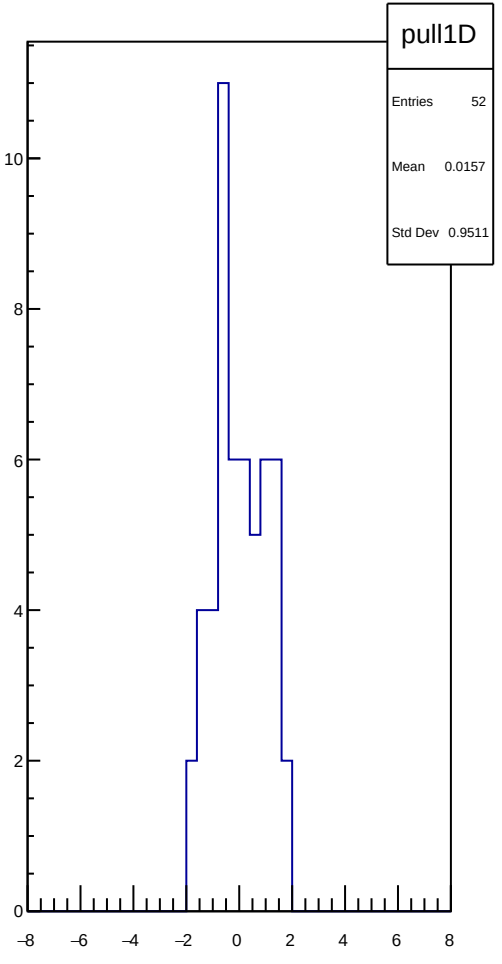

pull1D
Entries 52
Mean 0.2148
Std Dev 1.28

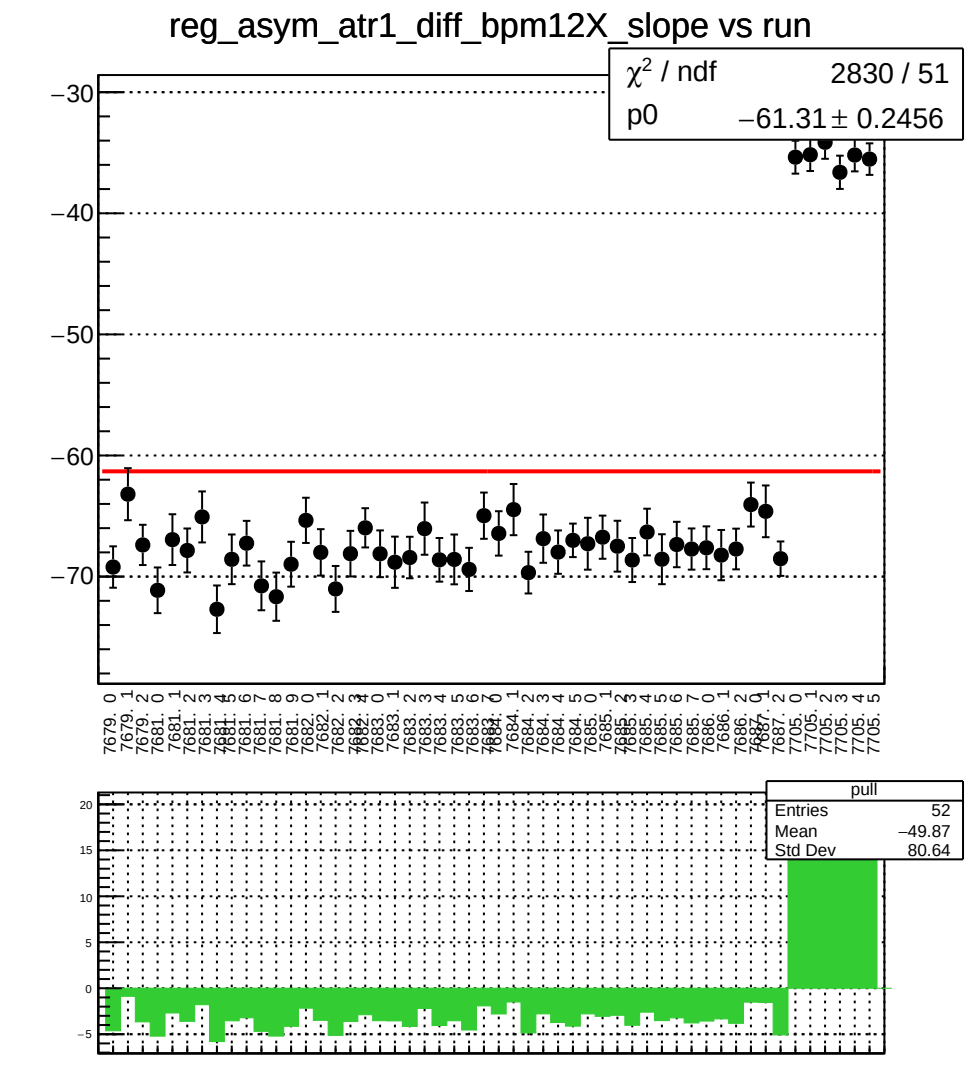

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 49.52 / 51
p0 −2.262 ± 3.637
pull
Entries 52
Mean 109.2
Std Dev 80.87

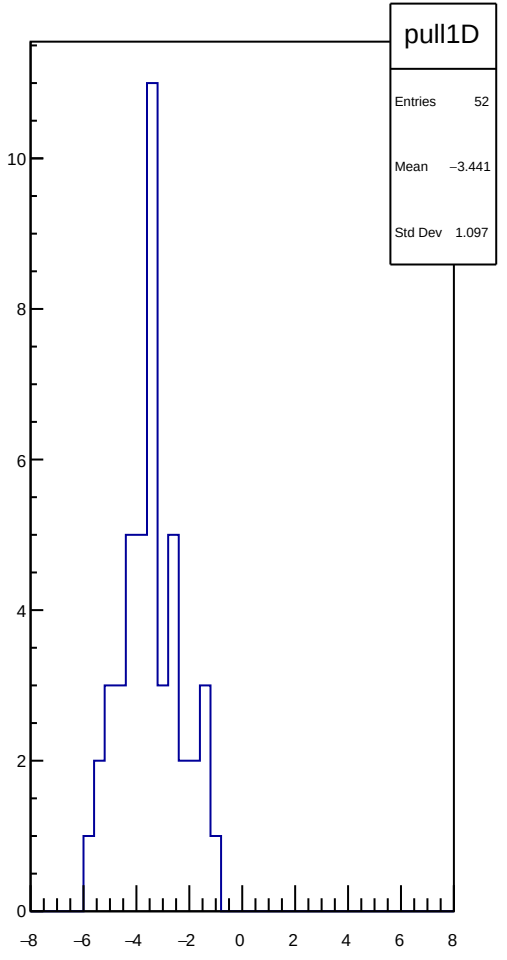

pull1D
Entries 52
Mean −0.03048
Std Dev 0.9754

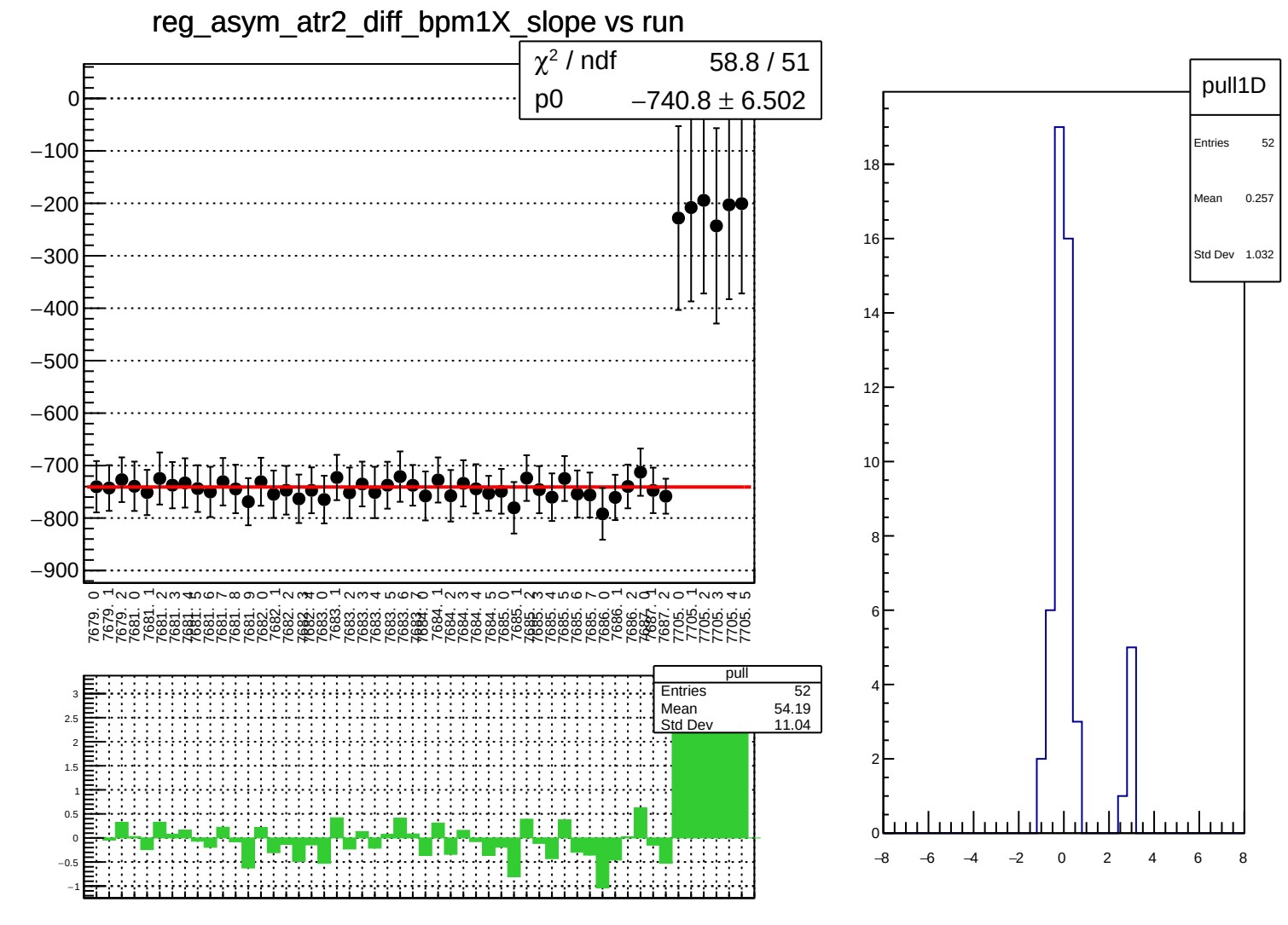

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 90.8 / 51
p0 97.68 ± 1.785
150
100
50
0
−50
−100
pull
Entries 52
Mean 63.42
Std Dev 26.97
pull1D
Entries 52
Mean −0.233
Std Dev 1.301
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

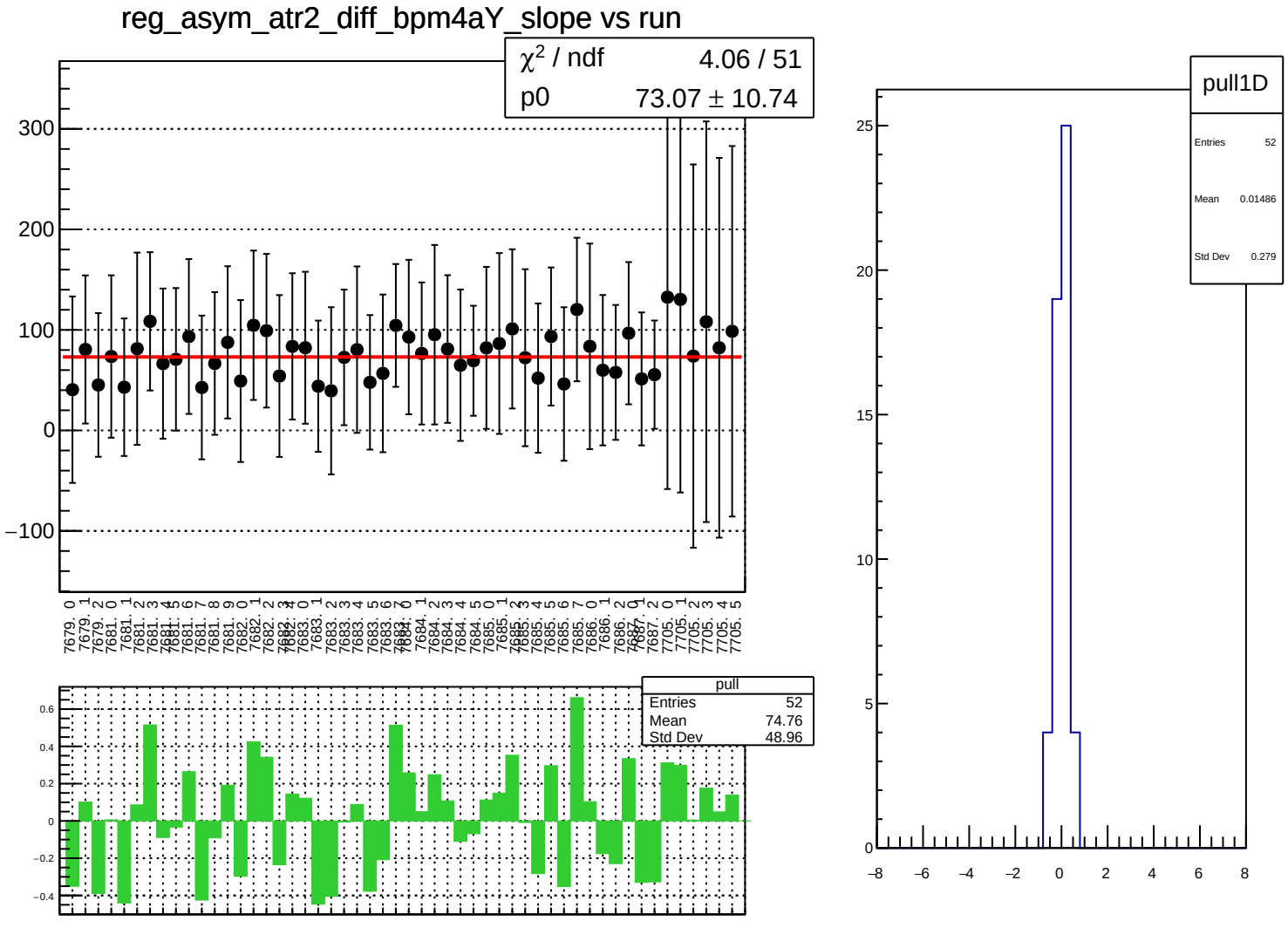

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 47.06 / 51
p0 19.82 ± 5.304
pull
Entries 52
Mean 160.7
Std Dev 135.2

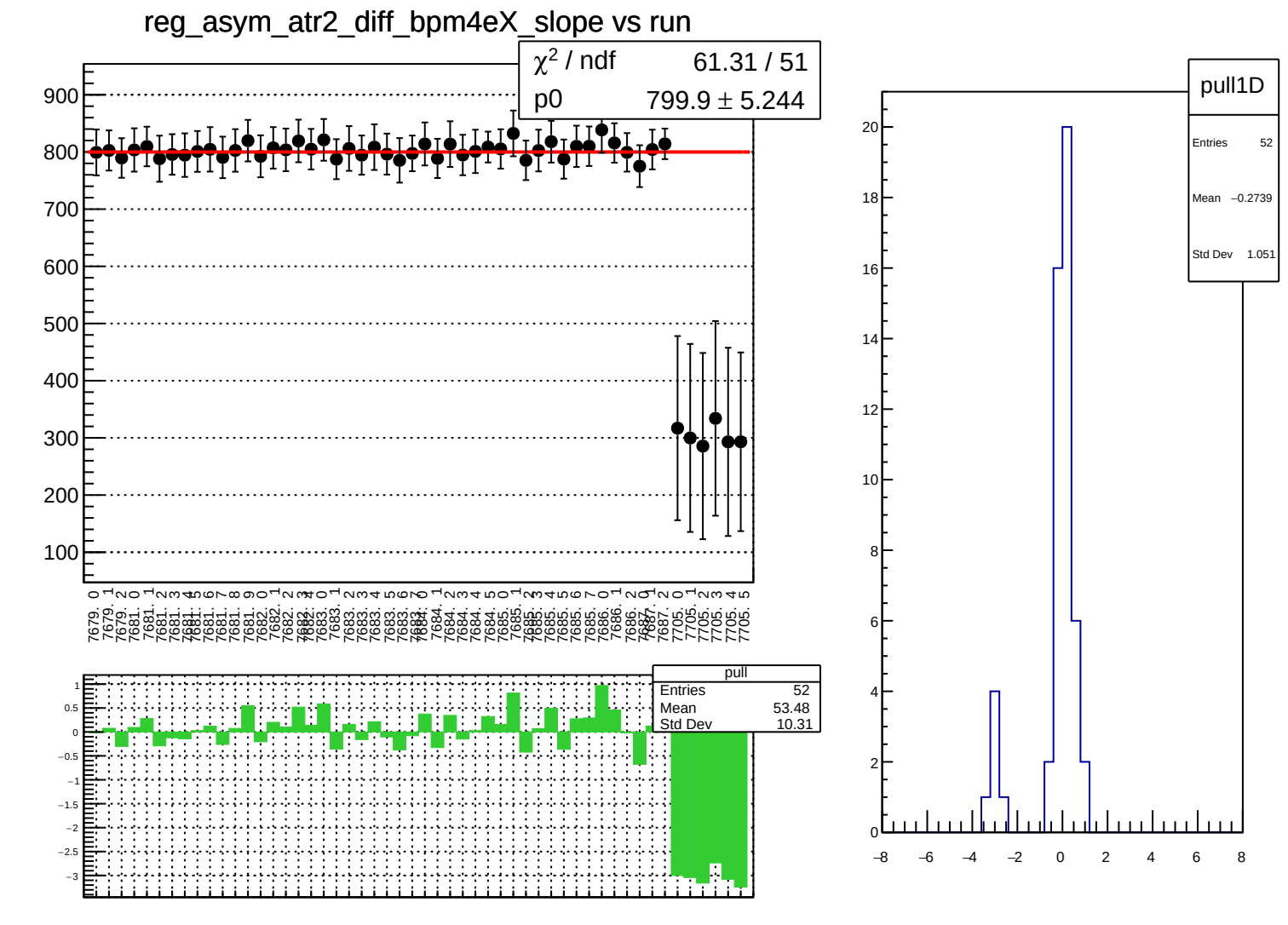

pull1D
Entries 52
Mean 0.0157
Std Dev 0.9511

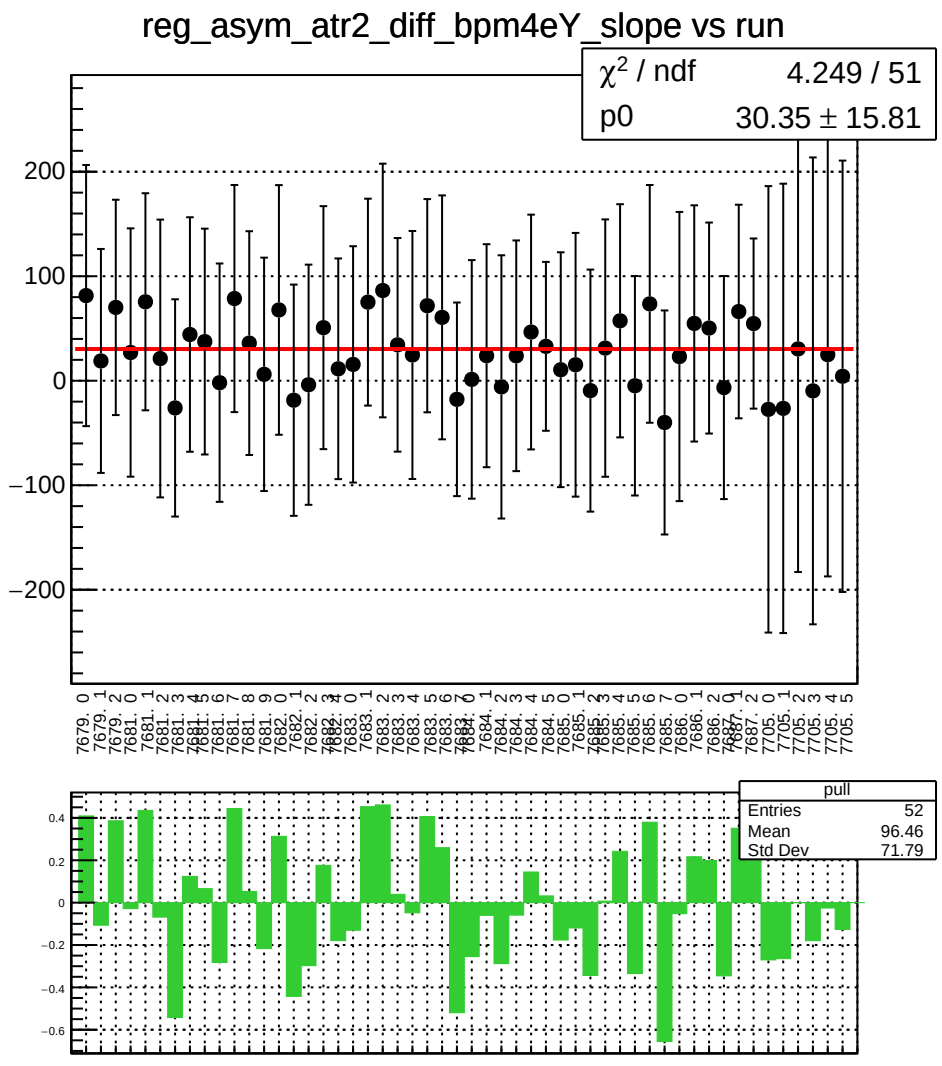

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 2830 / 51
p0 −61.31 ± 0.2456
pull
Entries 52
Mean −49.87
Std Dev 80.64

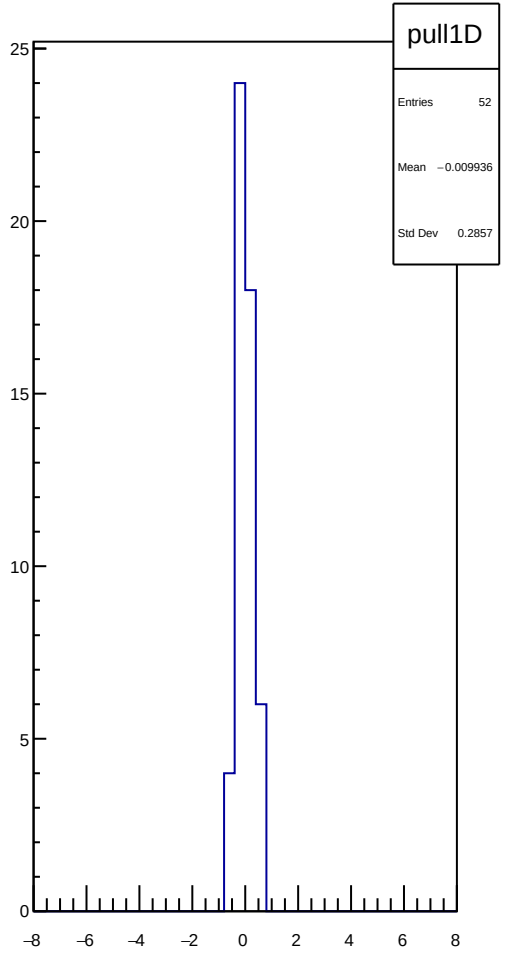

pull1D
Entries 52
Mean −3.441
Std Dev 1.097

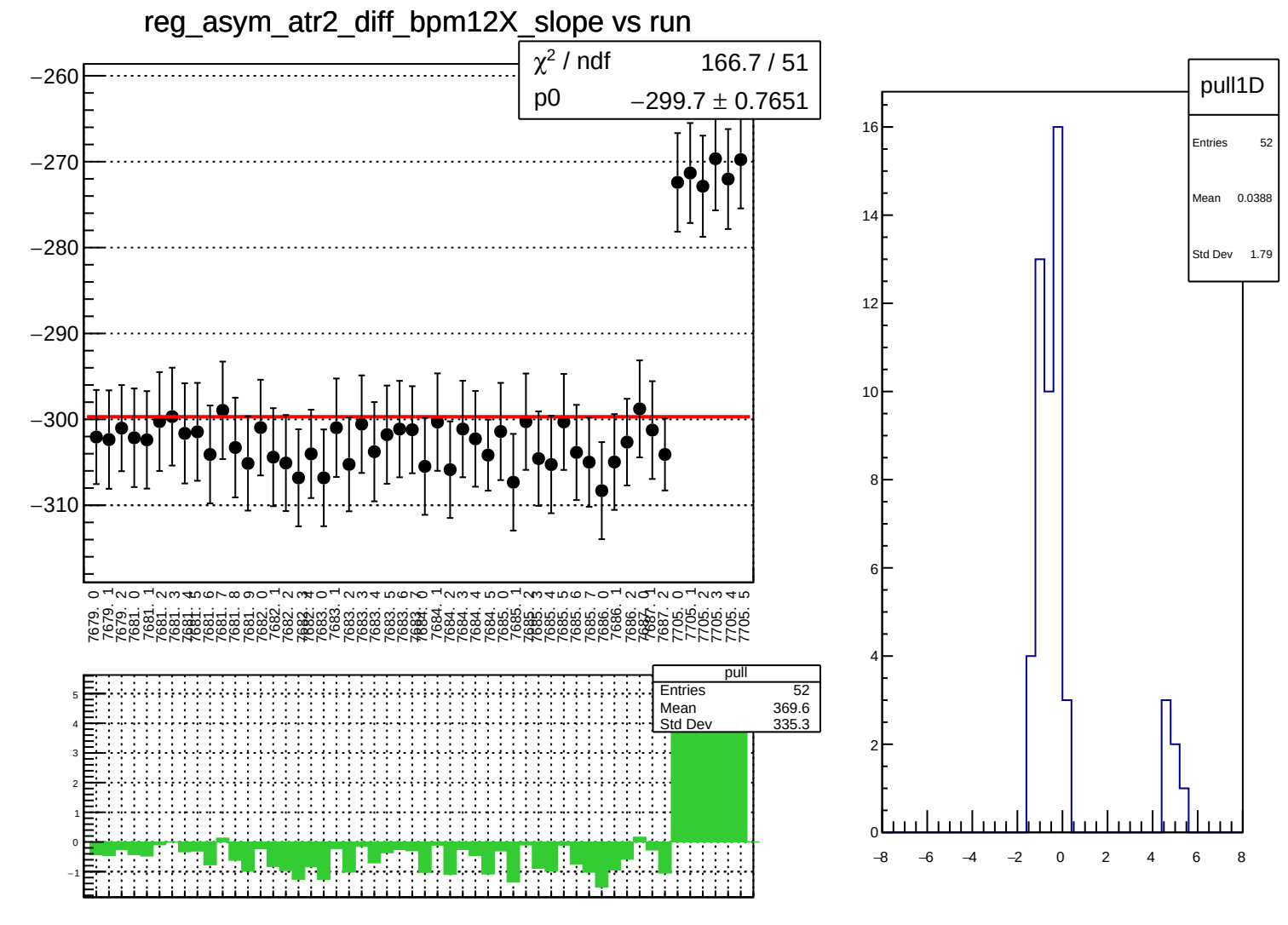

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 58.8 / 51
p0 −740.8 ± 6.502
pull
Entries 52
Mean 54.19
Std Dev 11.04
pull1D
Entries 52
Mean 0.257
Std Dev 1.032

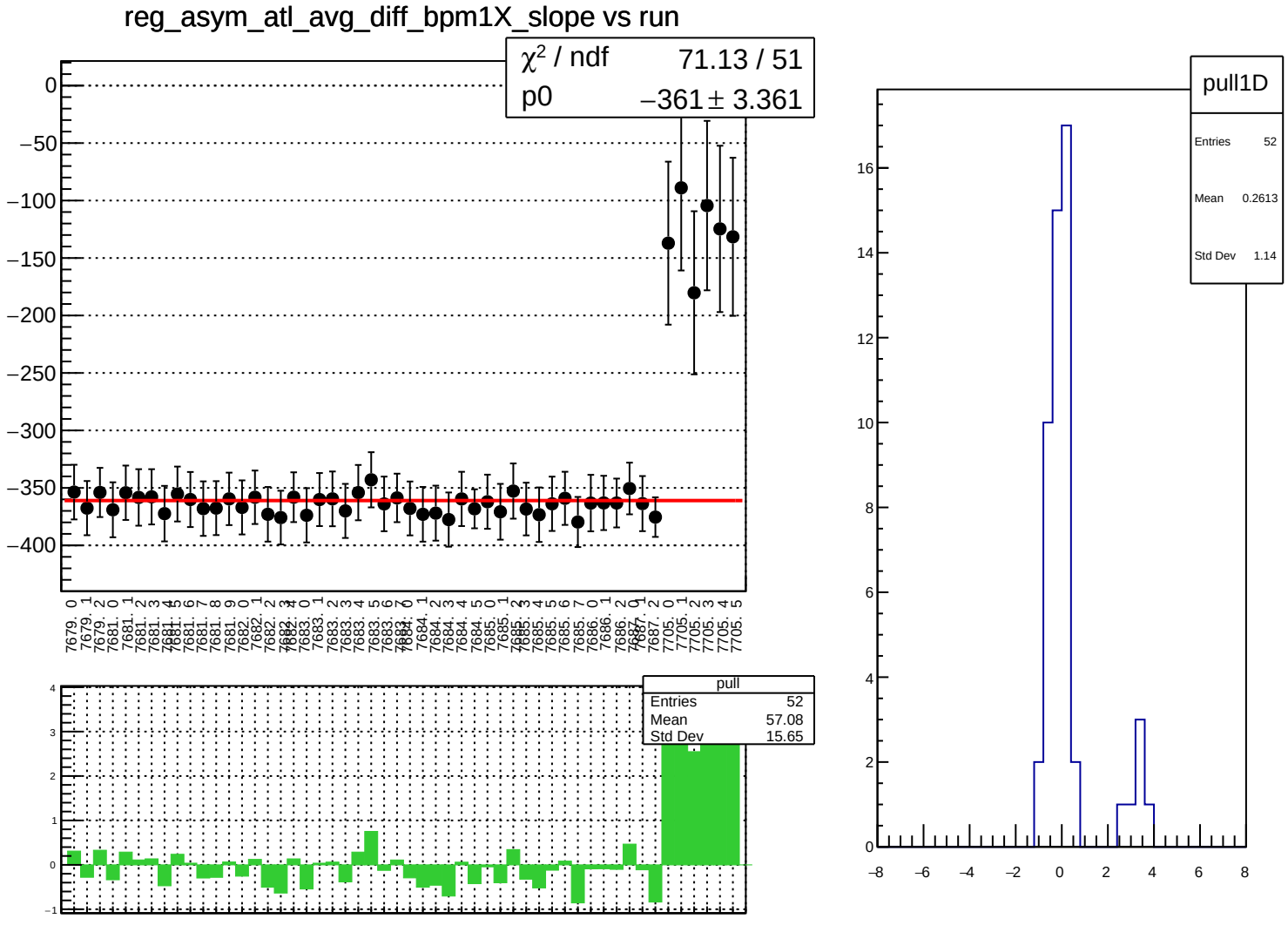

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.06 / 51
p0 73.07 ± 10.74
pull
Entries 52
Mean 74.76
Std Dev 48.96
pull1D
Entries 52
Mean 0.01486
Std Dev 0.279

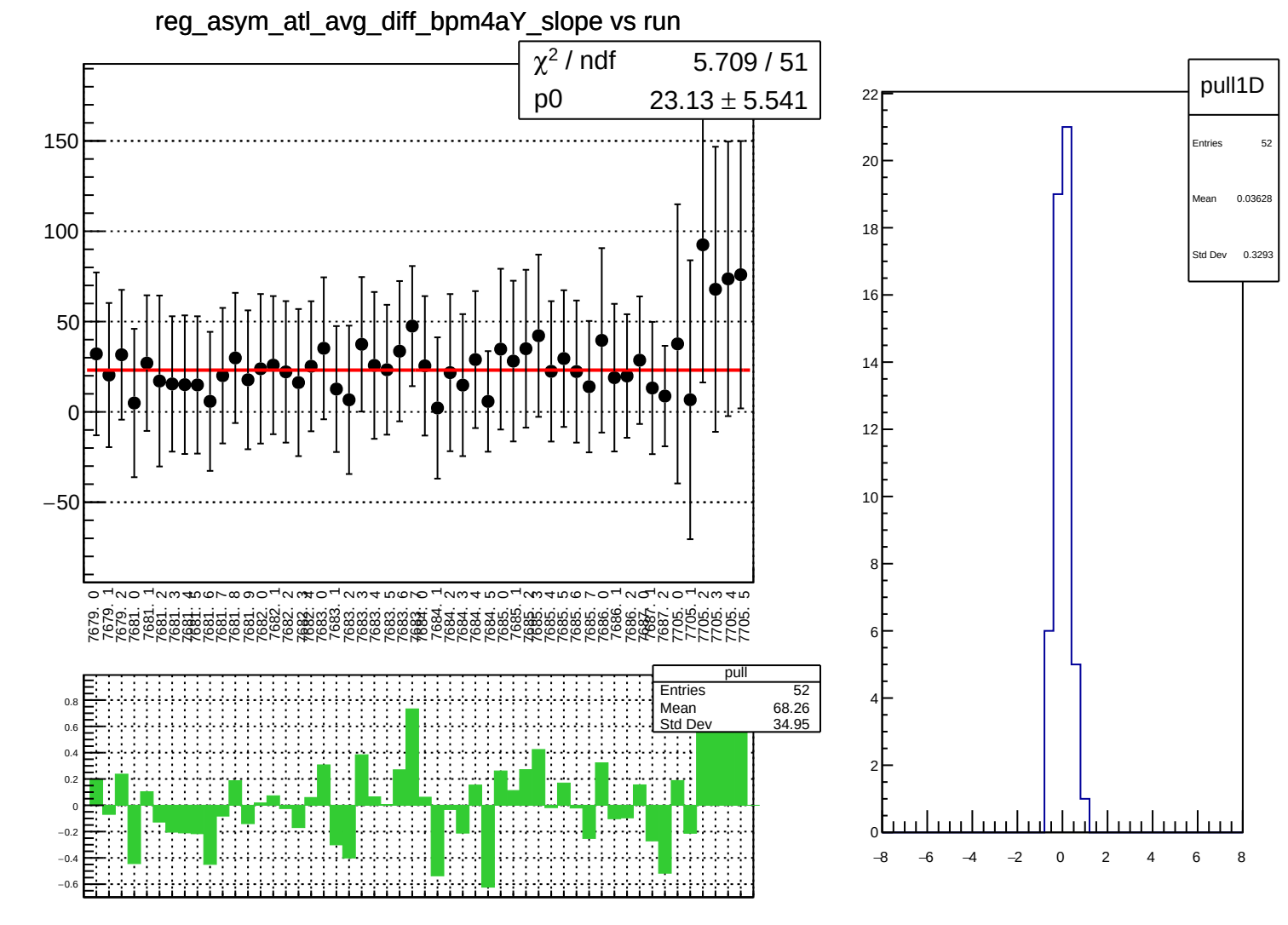

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 61.31 / 51
p0 799.9 ± 5.244
pull
Entries 52
Mean 53.48
Std Dev 10.31
pull1D
Entries 52
Mean −0.2739
Std Dev 1.051

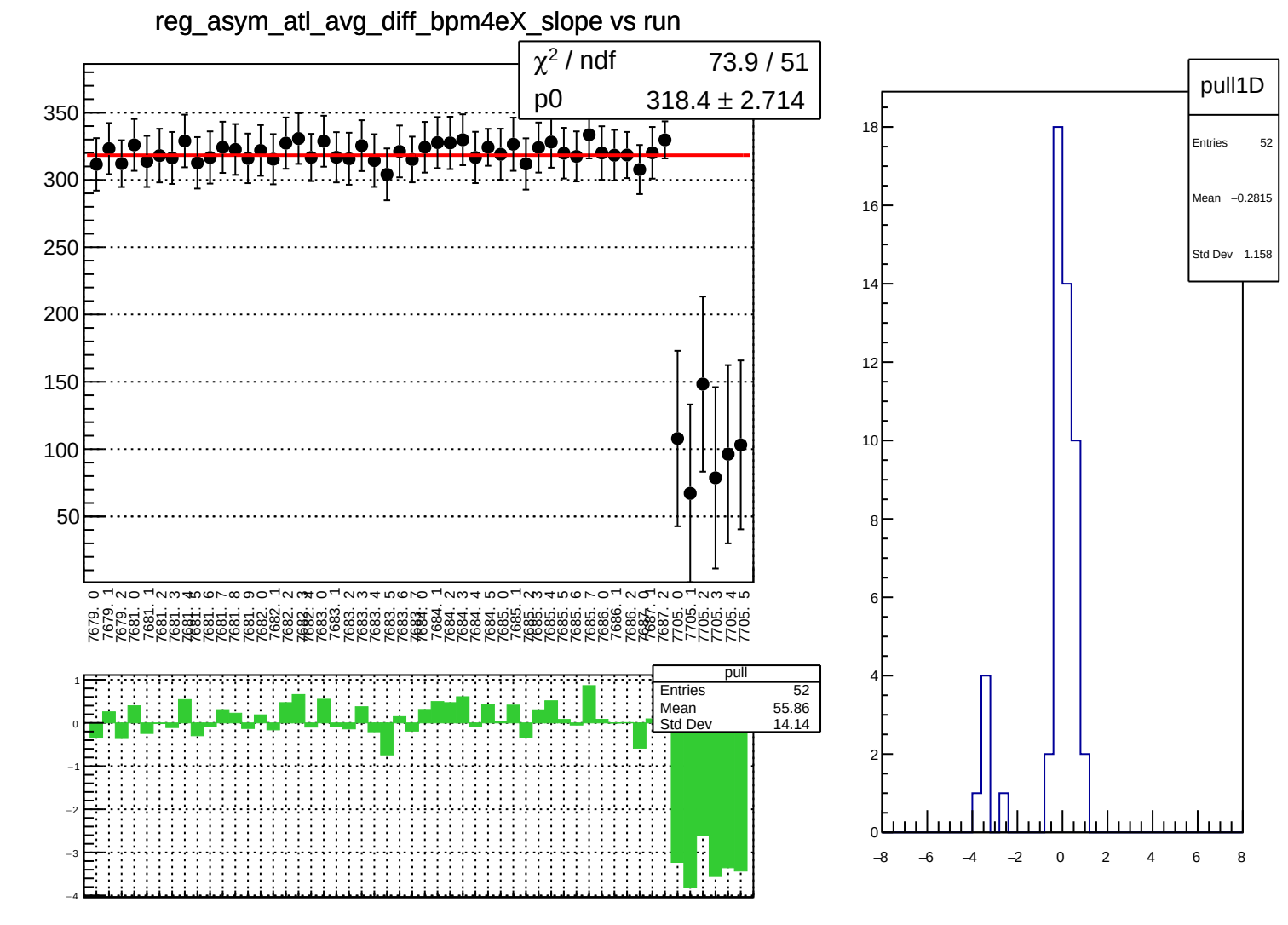

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.249 / 51
p0 30.35 ± 15.81
200
100
0
−100
−200
pull
Entries 52
Mean 96.46
Std Dev 71.79
0.4
0.2
0
−0.2
−0.4
−0.6

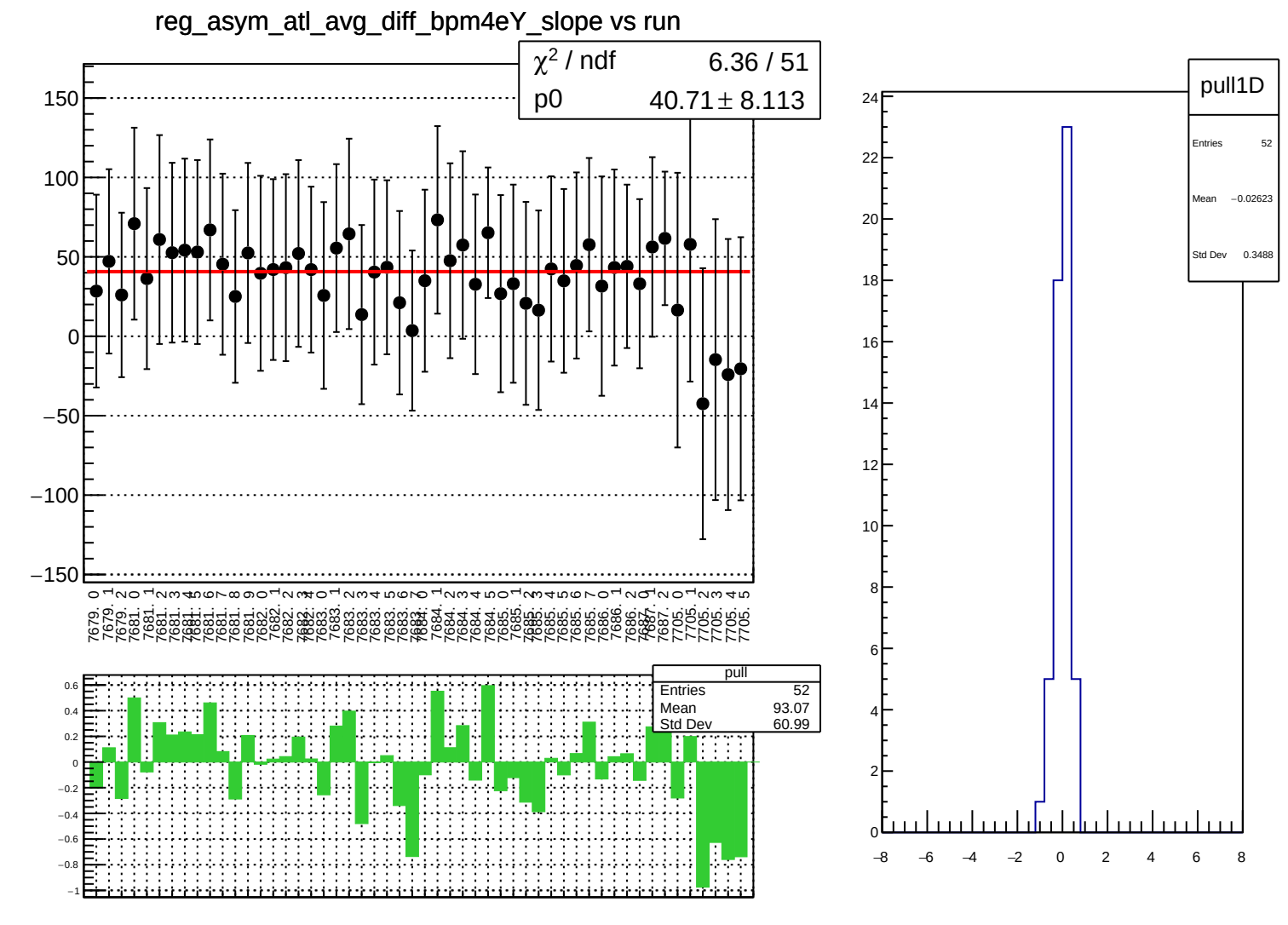

pull1D
Entries 52
Mean −0.009936
Std Dev 0.2857
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

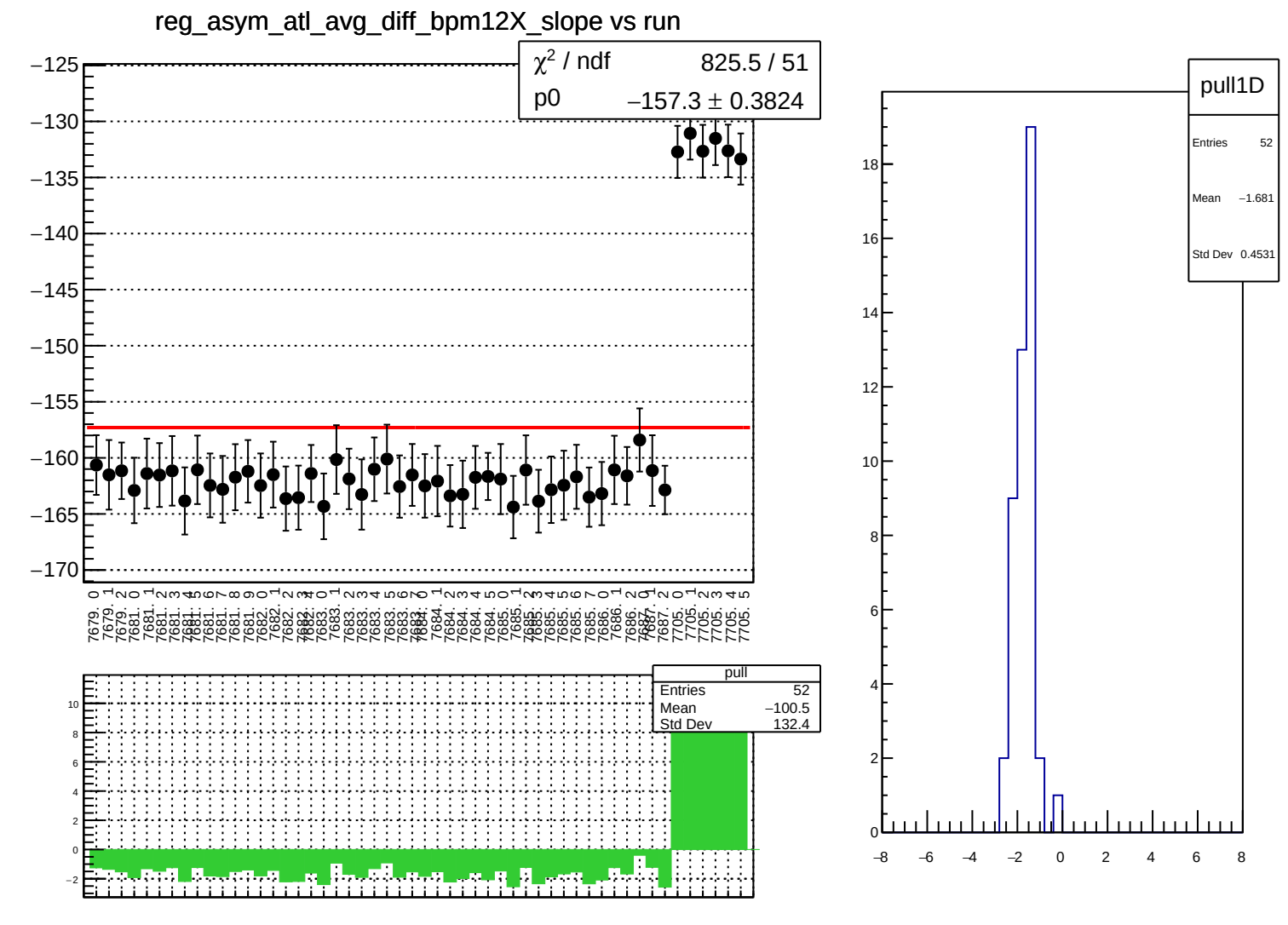

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 166.7 / 51
p0 −299.7 ± 0.7651
pull
Entries 52
Mean 369.6
Std Dev 335.3
pull1D
Entries 52
Mean 0.0388
Std Dev 1.79

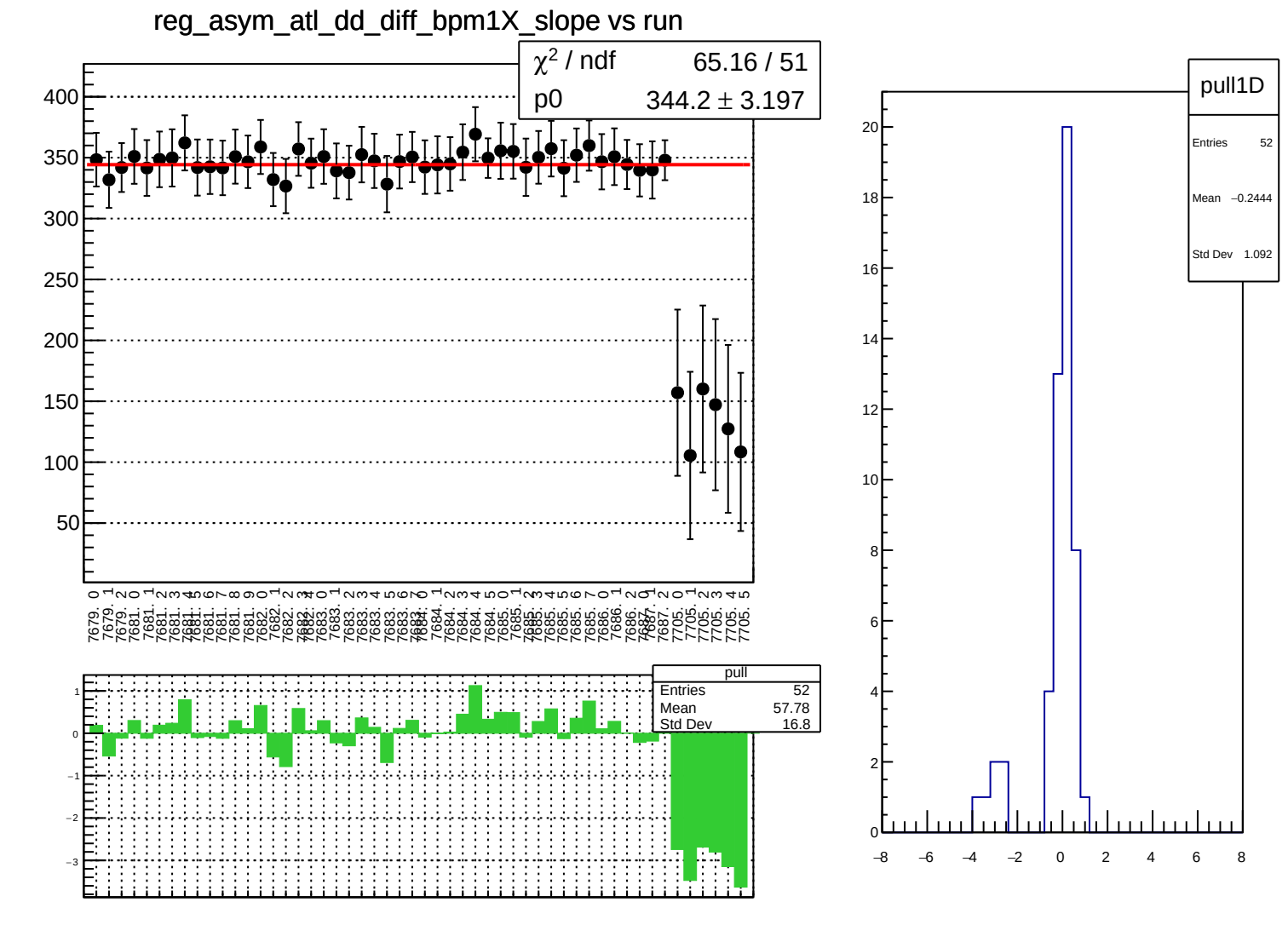

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 71.13 / 51
p0 −361 ± 3.361
pull
Entries 52
Mean 57.08
Std Dev 15.65
pull1D
Entries 52
Mean 0.2613
Std Dev 1.14

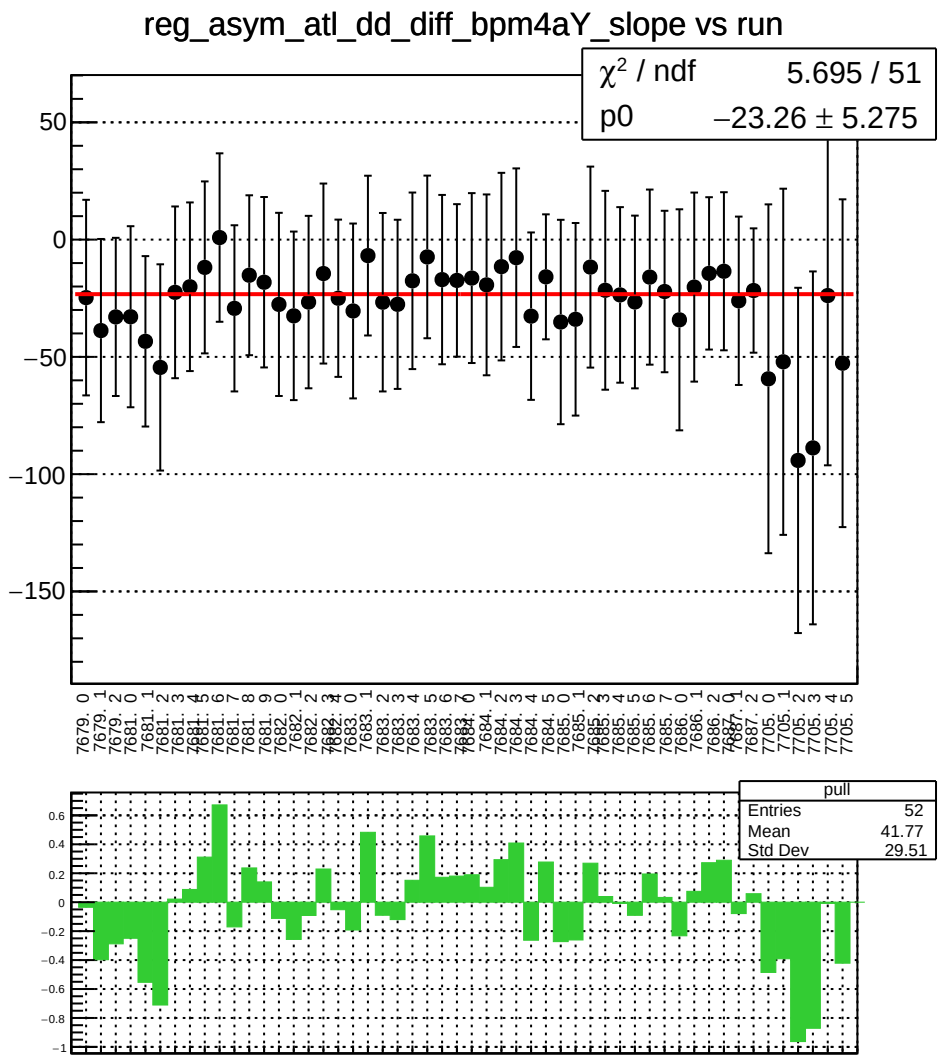

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.709 / 51
p0 23.13 ± 5.541
pull
Entries 52
Mean 68.26
Std Dev 34.95
pull1D
Entries 52
Mean 0.03628
Std Dev 0.3293

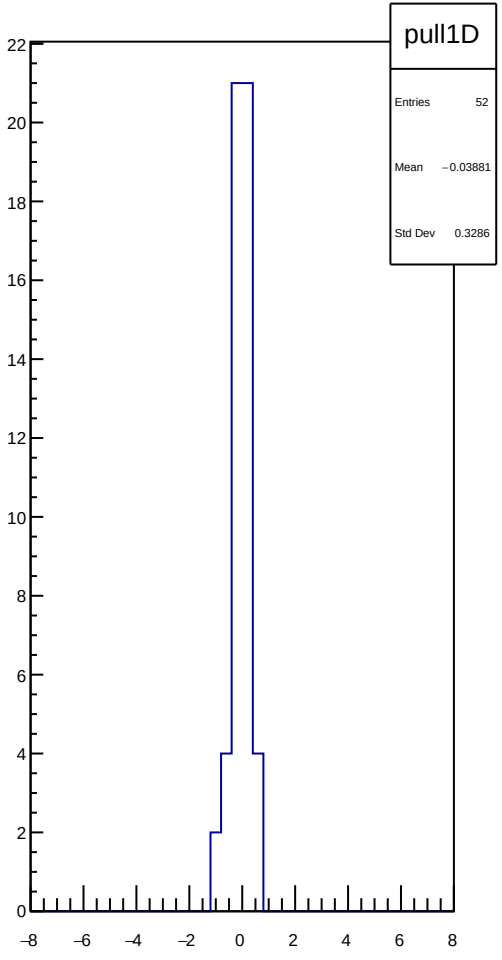

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.9 / 51
p0 318.4 ± 2.714
pull
Entries 52
Mean 55.86
Std Dev 14.14
pull1D
Entries 52
Mean −0.2815
Std Dev 1.158

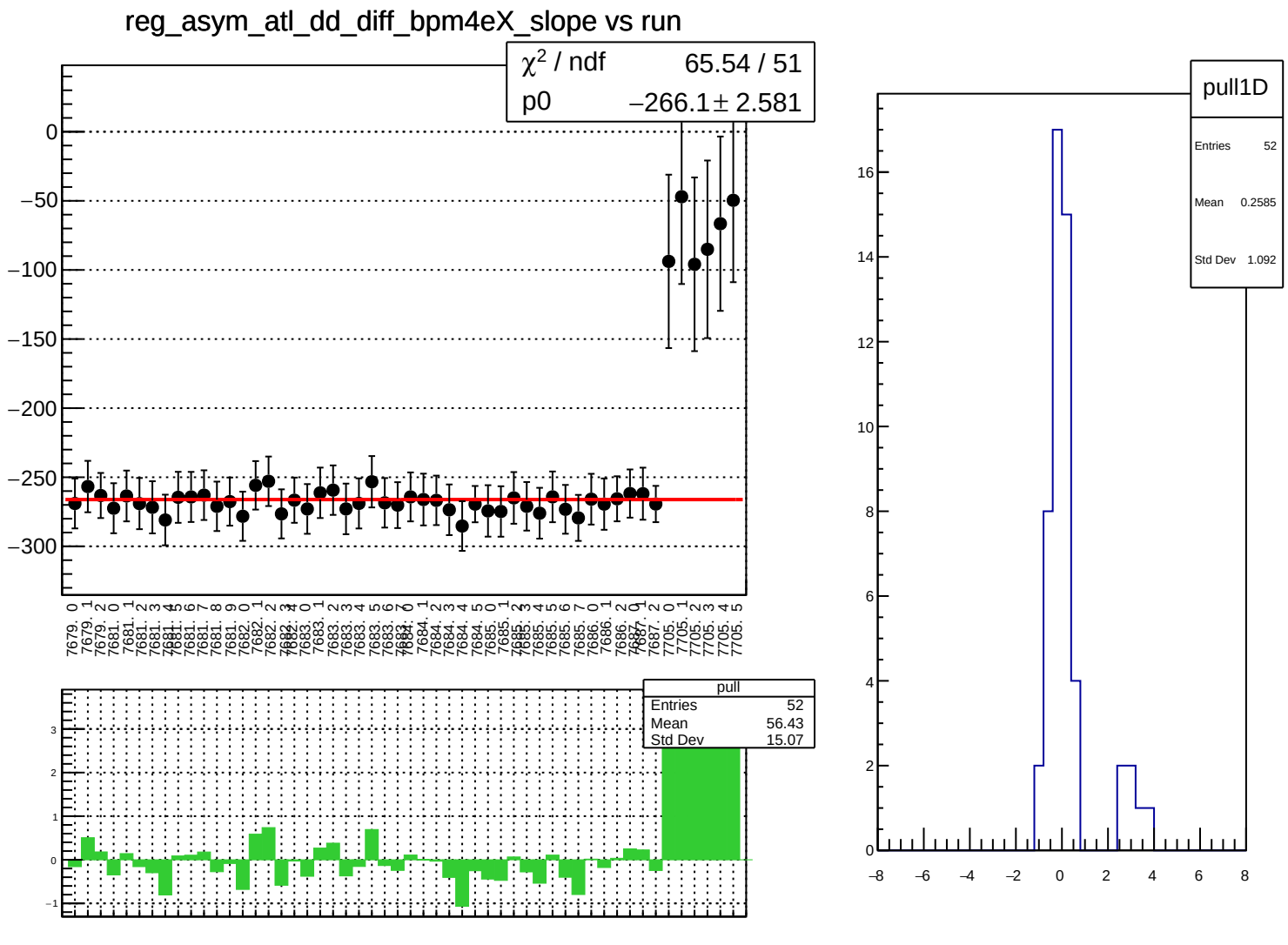

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.36 / 51
p0 40.71 ± 8.113
pull
Entries 52
Mean 93.07
Std Dev 60.99
pull1D
Entries 52
Mean −0.02623
Std Dev 0.3488

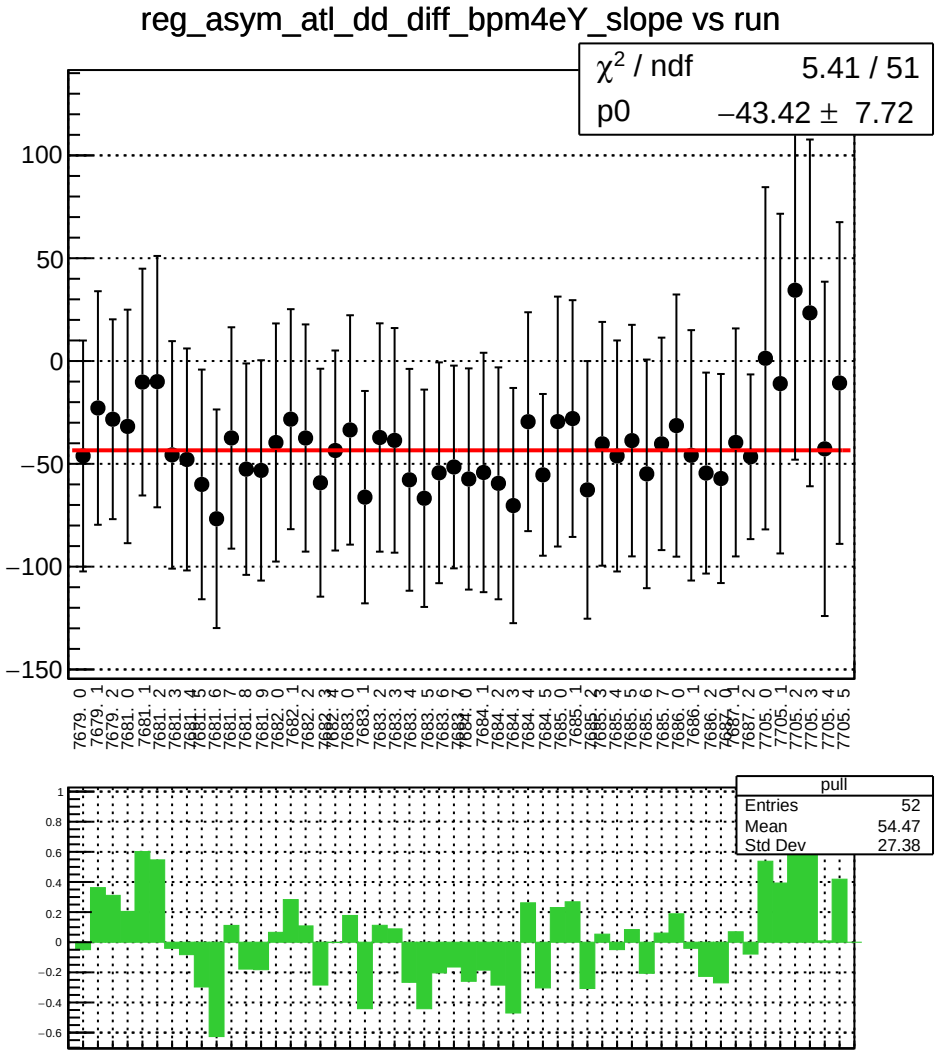

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 825.5 / 51
p0 −157.3 ± 0.3824
pull
Entries 52
Mean −100.5
Std Dev 132.4
pull1D
Entries 52
Mean −1.681
Std Dev 0.4531

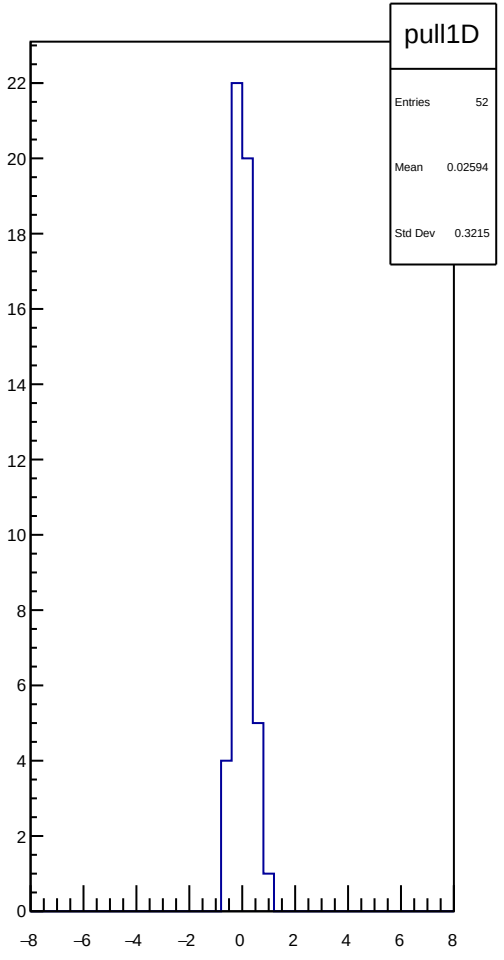

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 65.16 / 51
p0 344.2 ± 3.197
pull
Entries 52
Mean 57.78
Std Dev 16.8
pull1D
Entries 52
Mean −0.2444
Std Dev 1.092

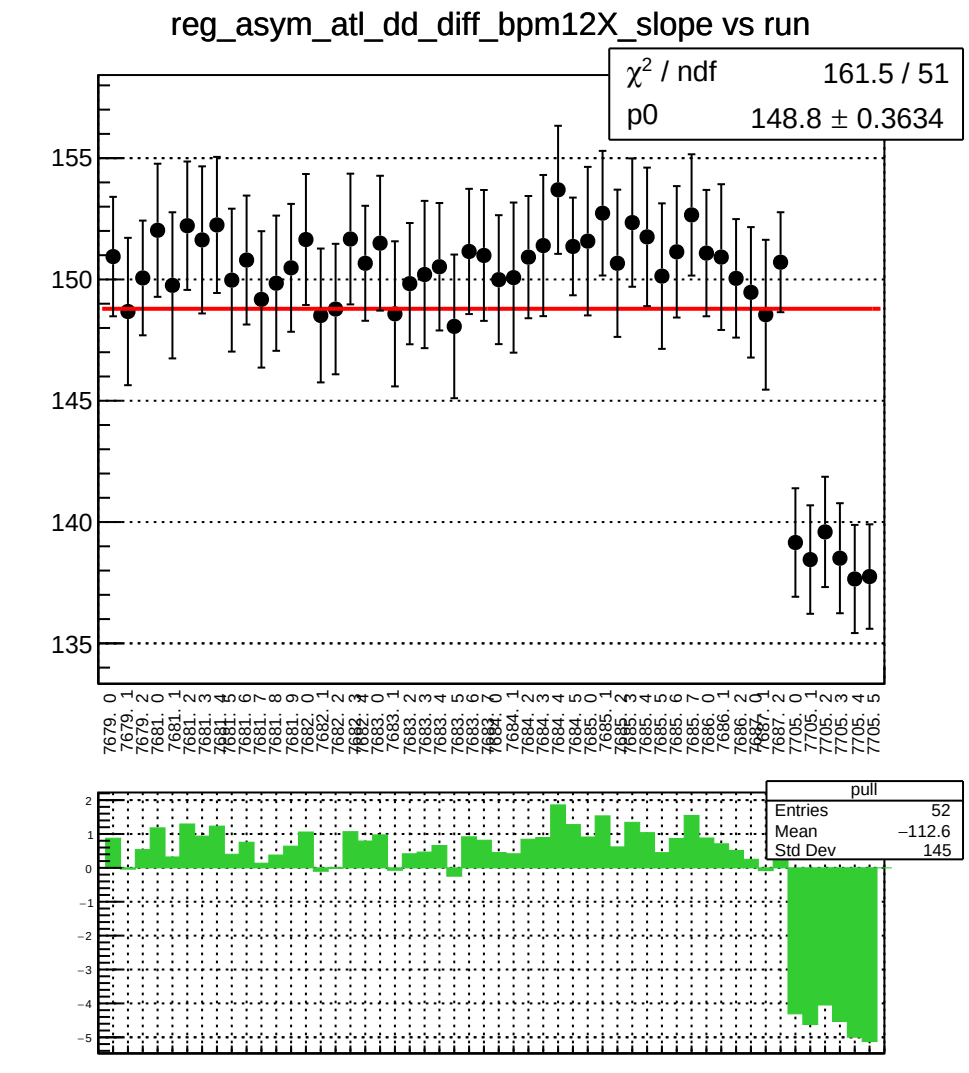

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.695 / 51
p0 −23.26 ± 5.275
pull
Entries 52
Mean 41.77
Std Dev 29.51

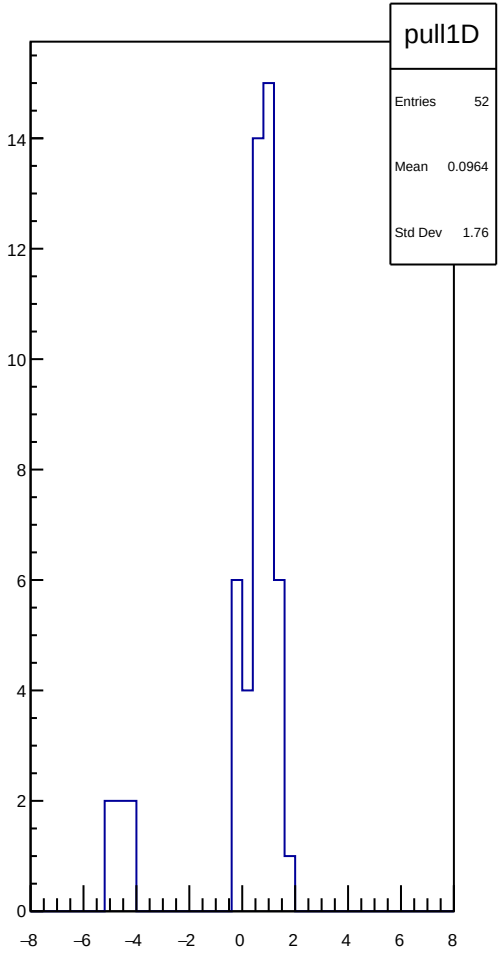

pull1D
Entries 52
Mean −0.03881
Std Dev 0.3286

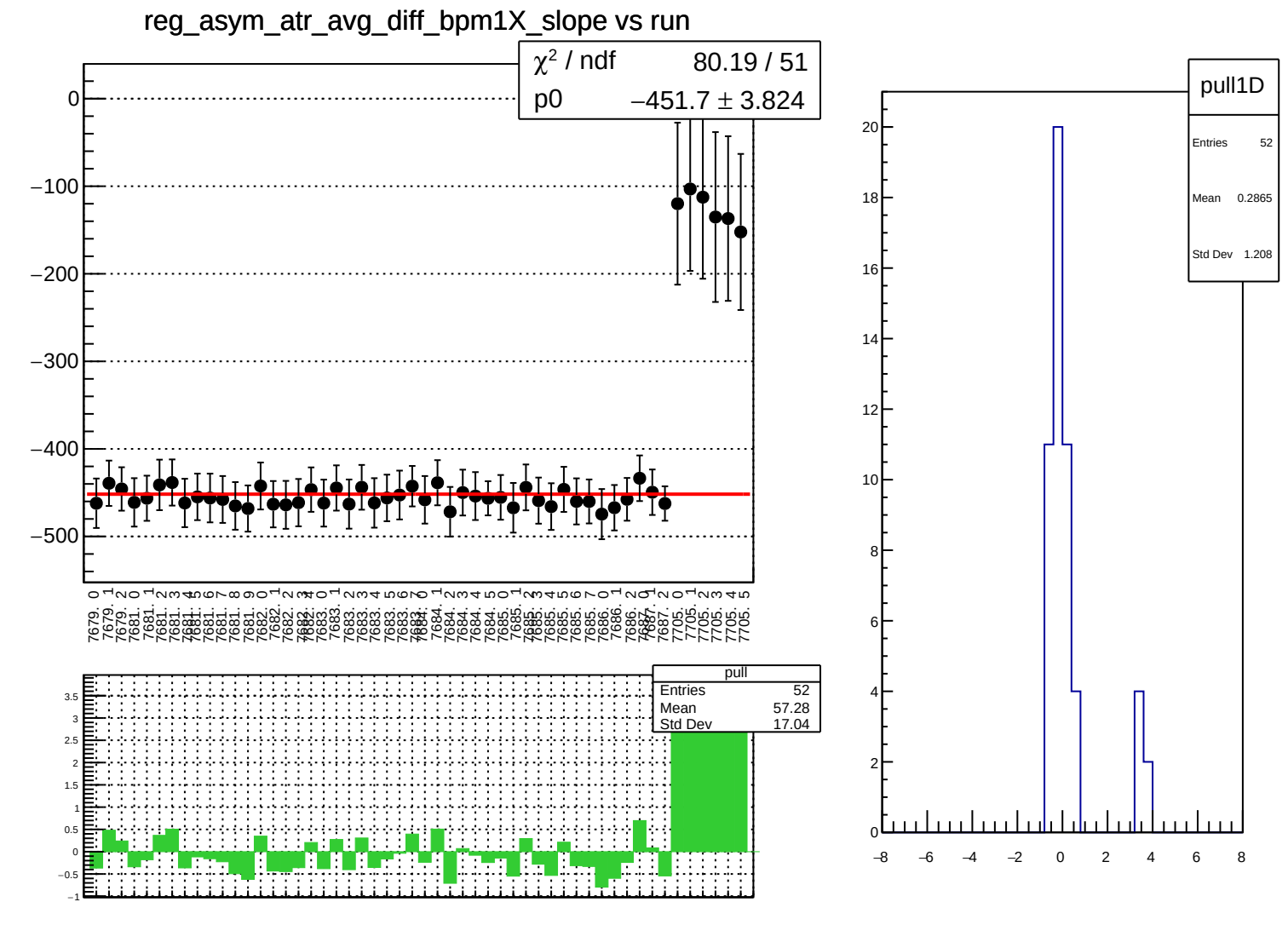

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.54 / 51
p0 −266.1 ± 2.581
pull
Entries 52
Mean 56.43
Std Dev 15.07
pull1D
Entries 52
Mean 0.2585
Std Dev 1.092

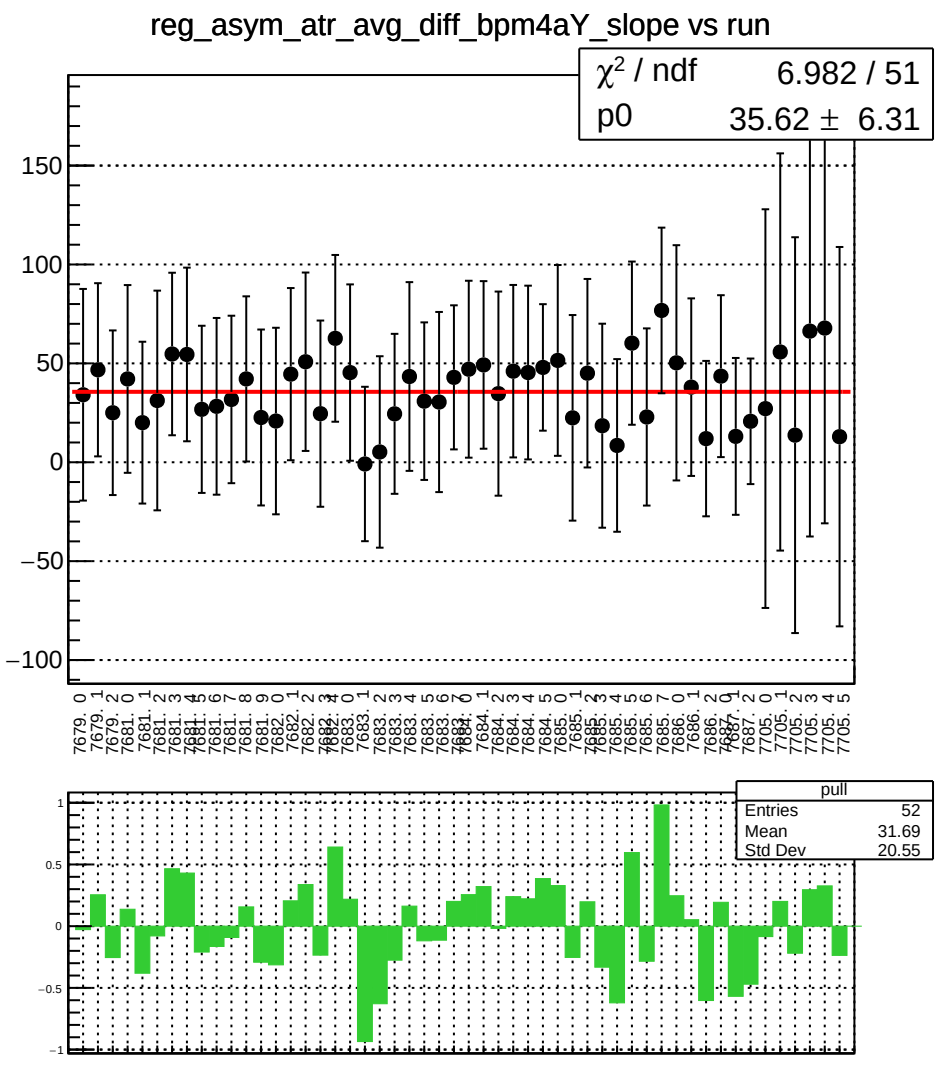

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.41 / 51
p0 −43.42 ± 7.72
pull
Entries 52
Mean 54.47
Std Dev 27.38

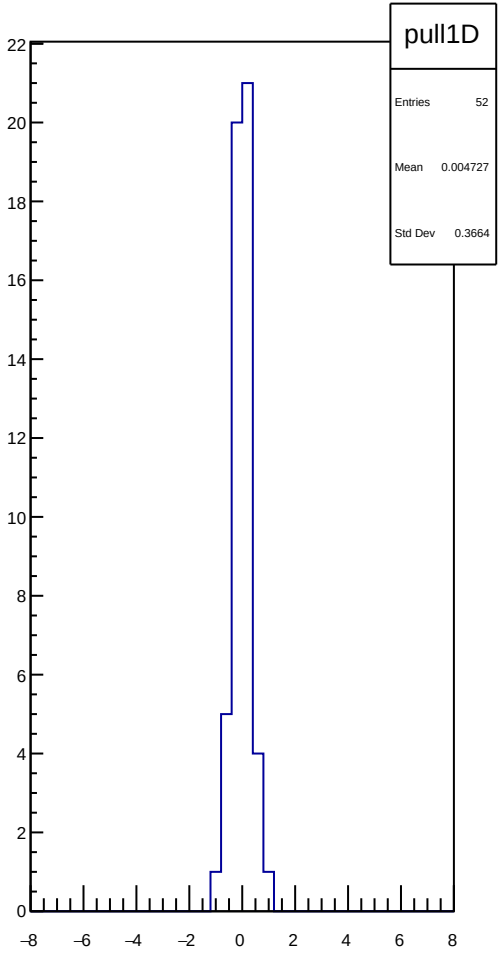

pull1D
Entries 52
Mean 0.02594
Std Dev 0.3215

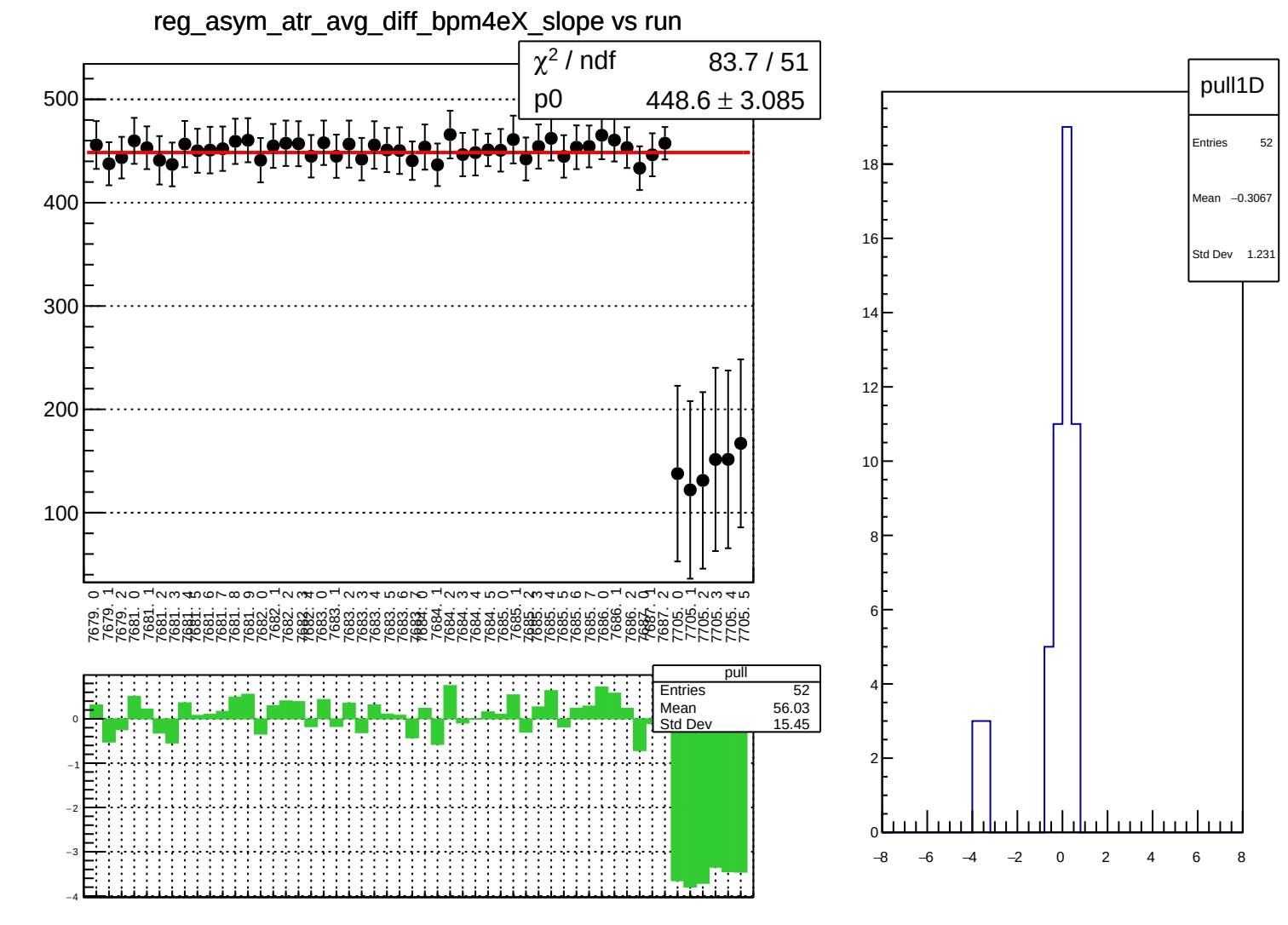

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 161.5 / 51
p0 148.8 ± 0.3634
155
150
145
140
135
pull
Entries 52
Mean −112.6
Std Dev 145
2
1
0
−1
−2
−3
−4
−5

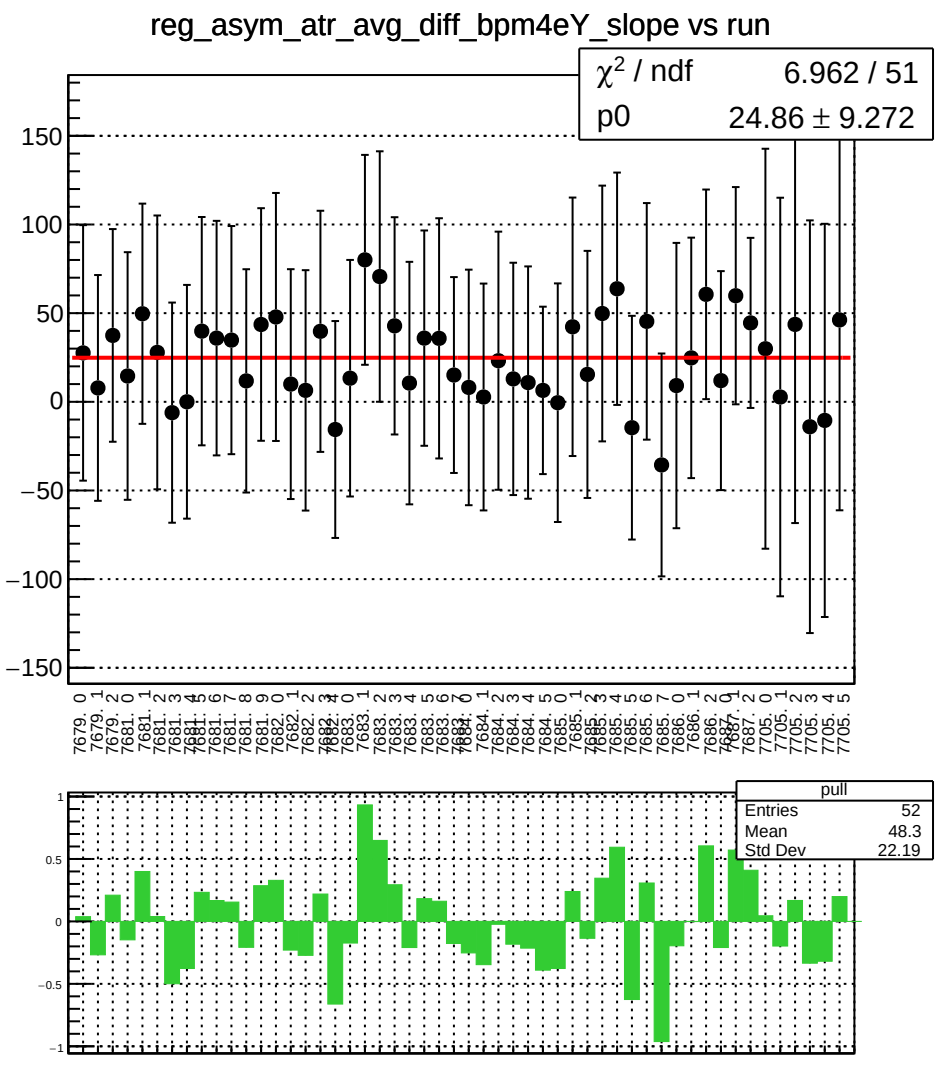

pull1D
Entries 52
Mean 0.0964
Std Dev 1.76
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

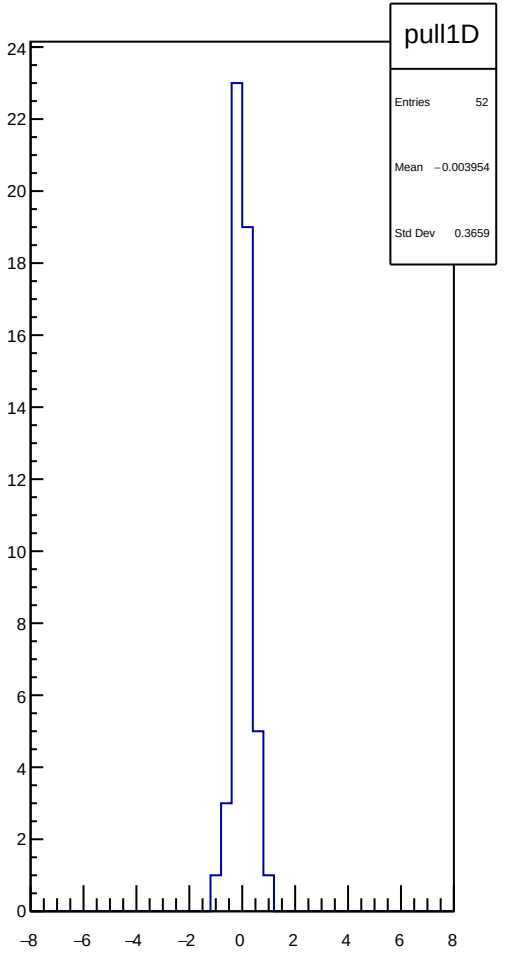

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 80.19 / 51
p0 −451.7 ± 3.824
pull
Entries 52
Mean 57.28
Std Dev 17.04
pull1D
Entries 52
Mean 0.2865
Std Dev 1.208

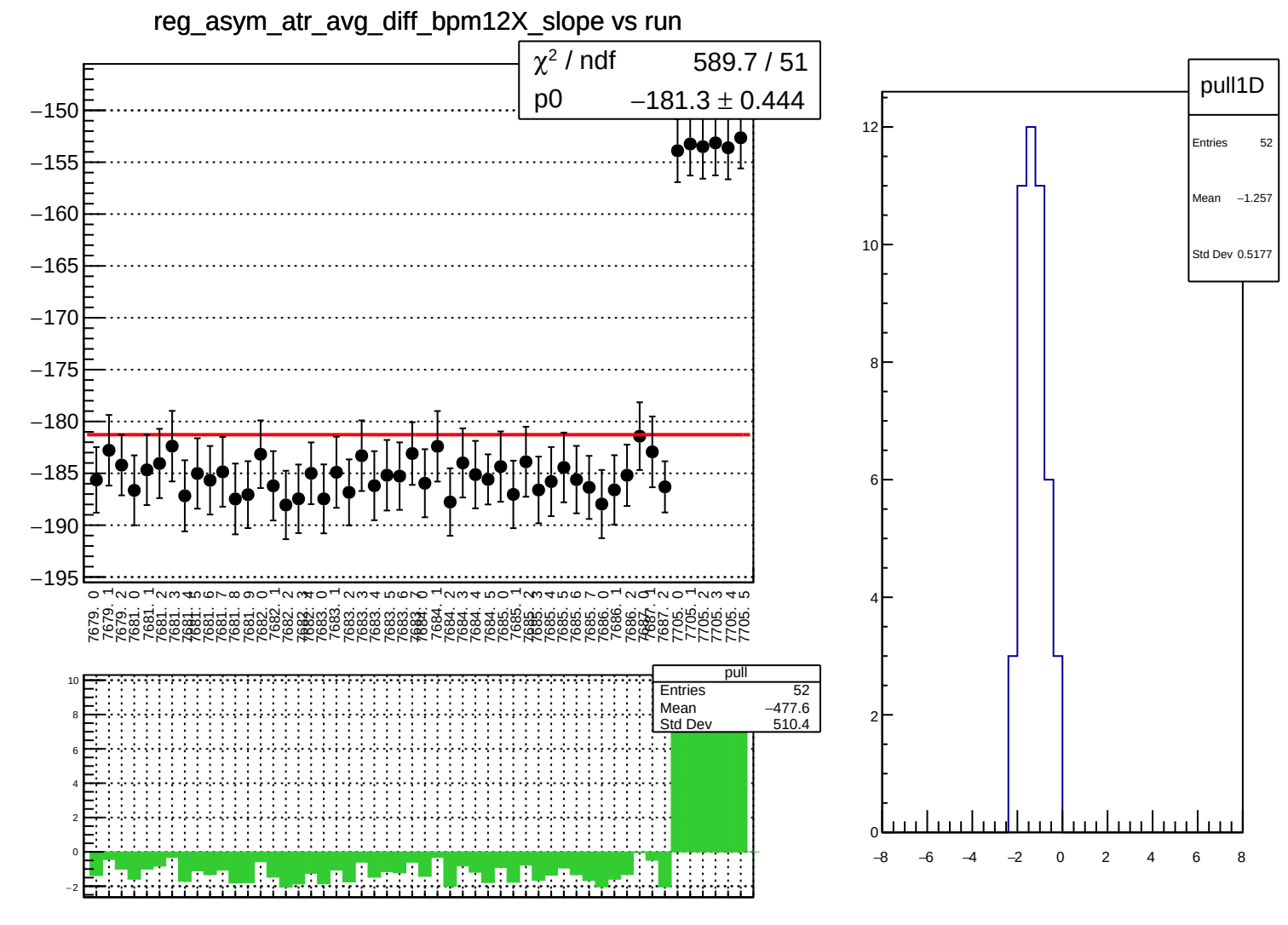

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.982 / 51
p0 35.62 ± 6.31
pull
Entries 52
Mean 31.69
Std Dev 20.55

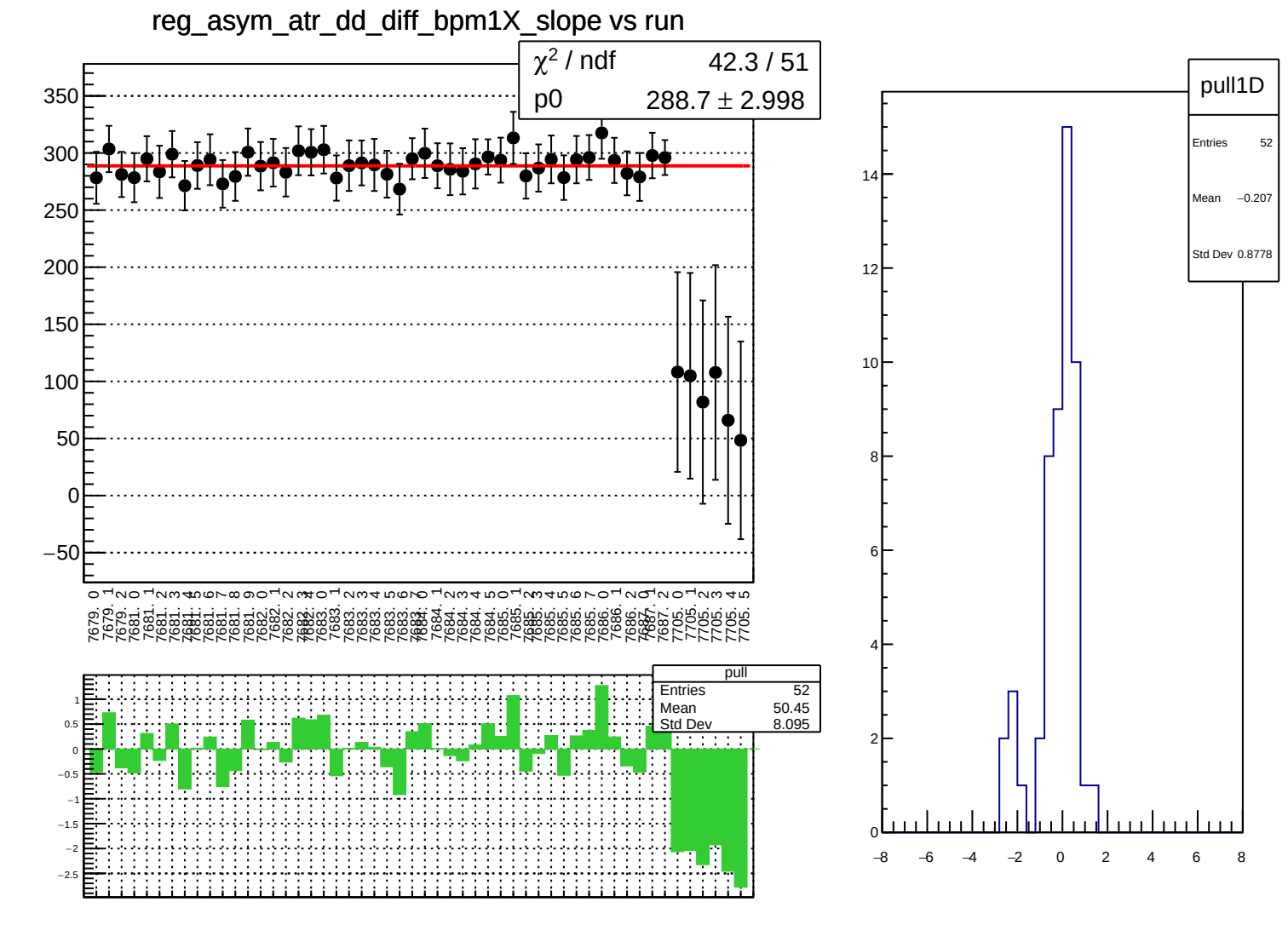

pull1D
Entries 52
Mean 0.004727
Std Dev 0.3664

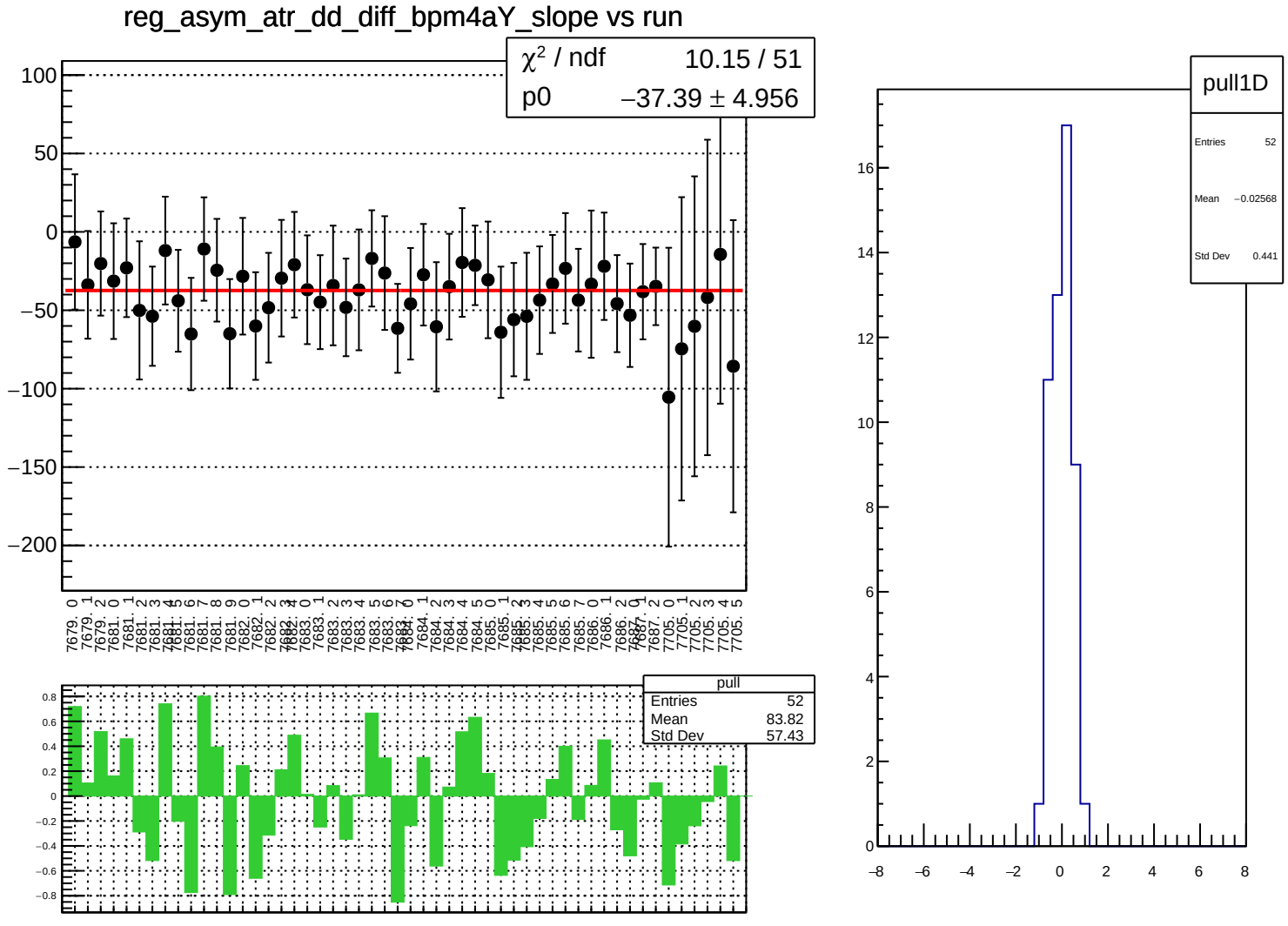

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.7 / 51
p0 448.6 ± 3.085
pull
Entries 52
Mean 56.03
Std Dev 15.45
pull1D
Entries 52
Mean −0.3067
Std Dev 1.231

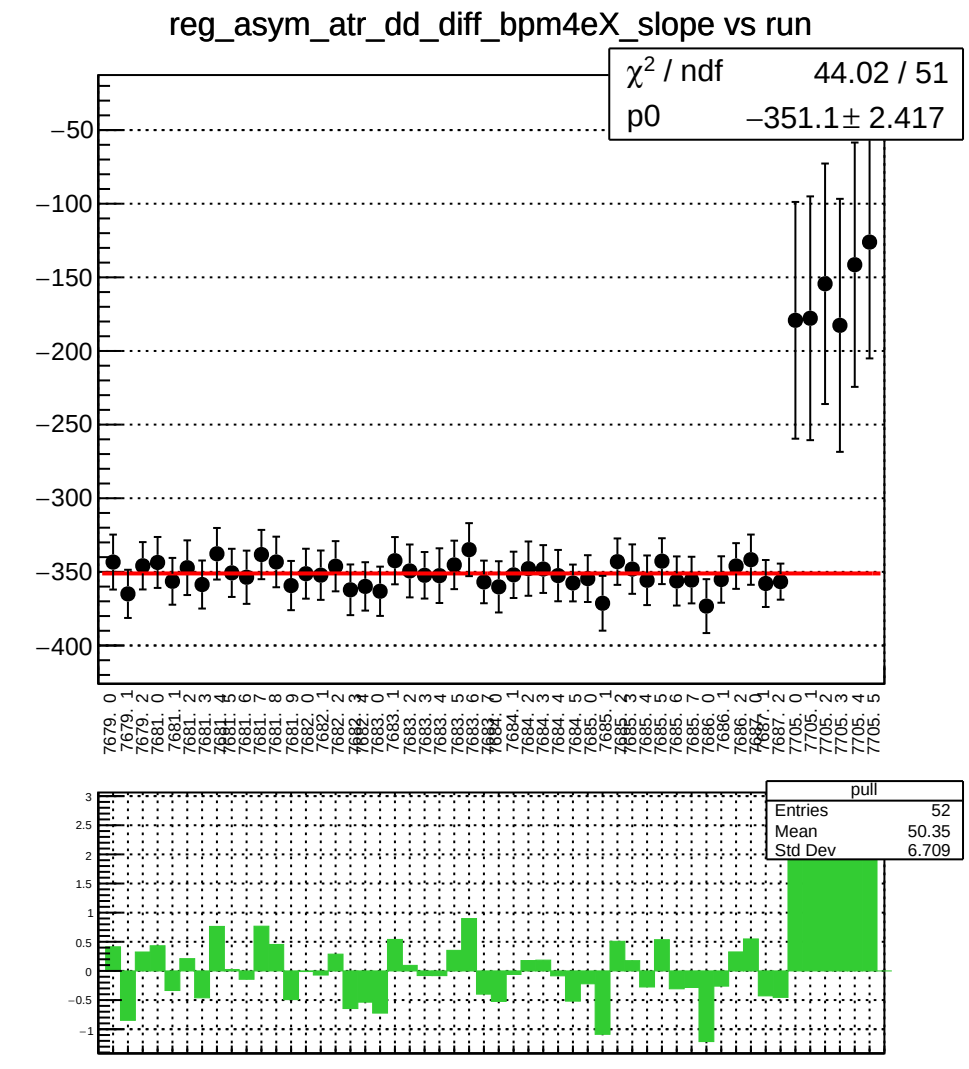

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.962 / 51
p0 24.86 ± 9.272
pull
Entries 52
Mean 48.3
Std Dev 22.19

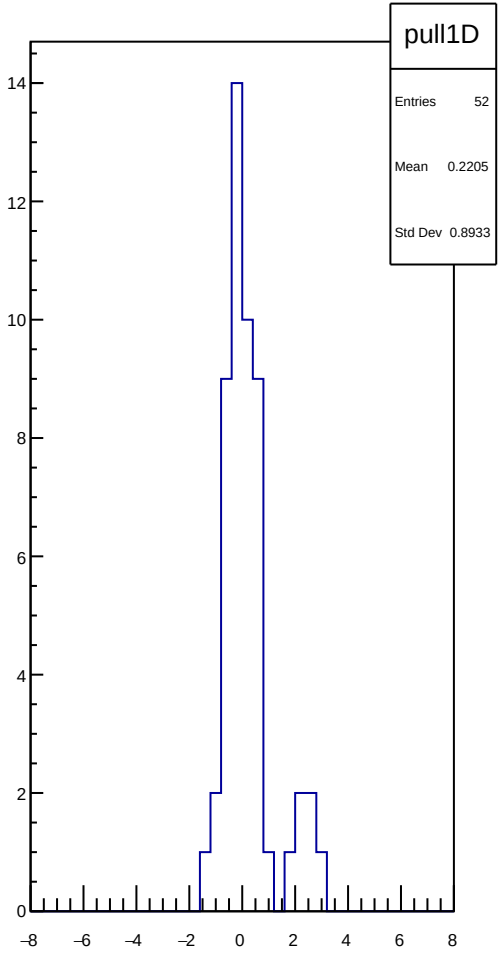

pull1D
Entries 52
Mean −0.003954
Std Dev 0.3659

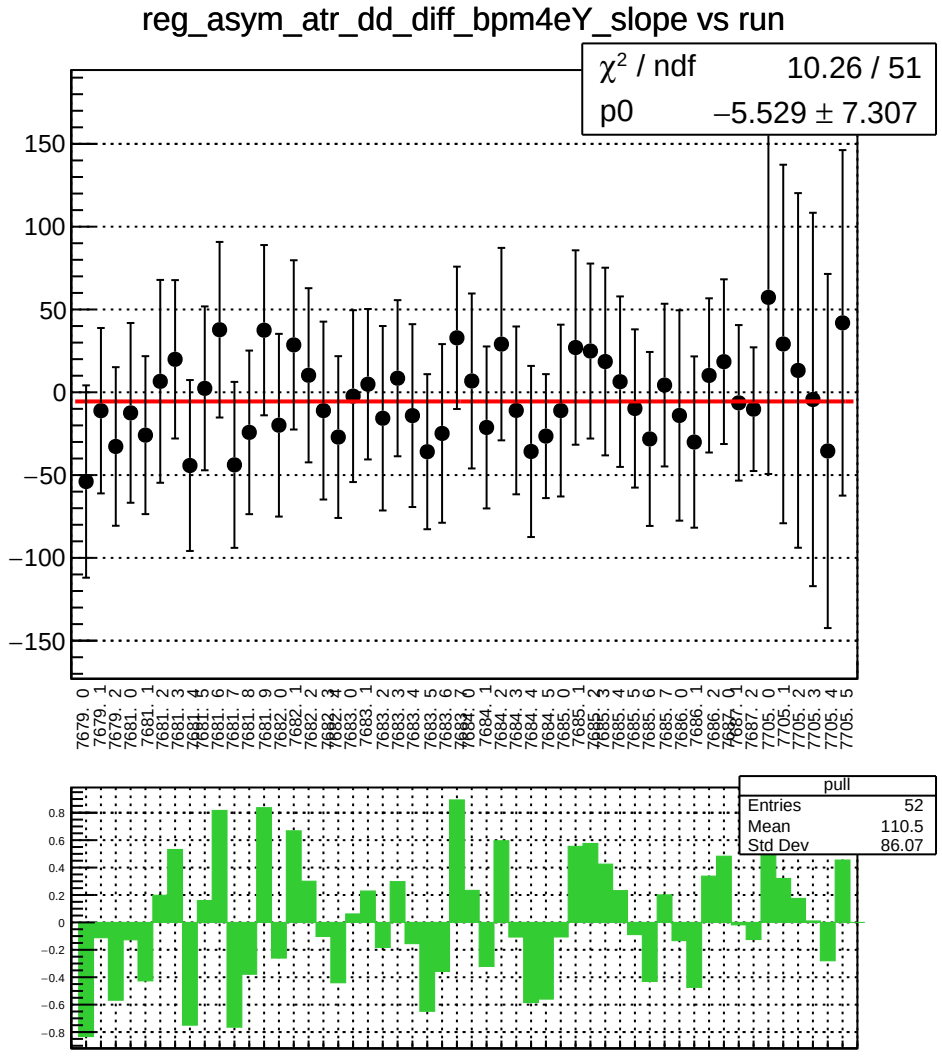

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 589.7 / 51
p0 −181.3 ± 0.444
pull
Entries 52
Mean −477.6
Std Dev 510.4
pull1D
Entries 52
Mean −1.257
Std Dev 0.5177

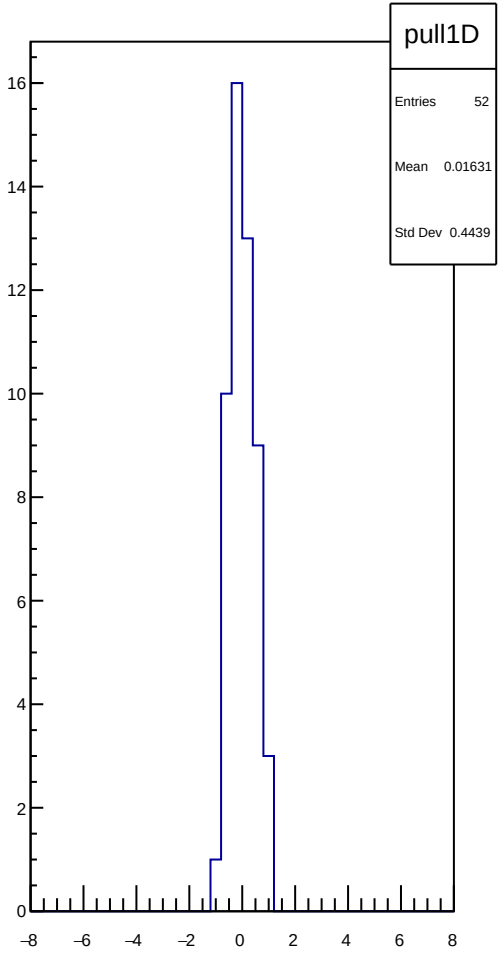

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 42.3 / 51
p0 288.7 ± 2.998
pull
Entries 52
Mean 50.45
Std Dev 8.095
pull1D
Entries 52
Mean −0.207
Std Dev 0.8778

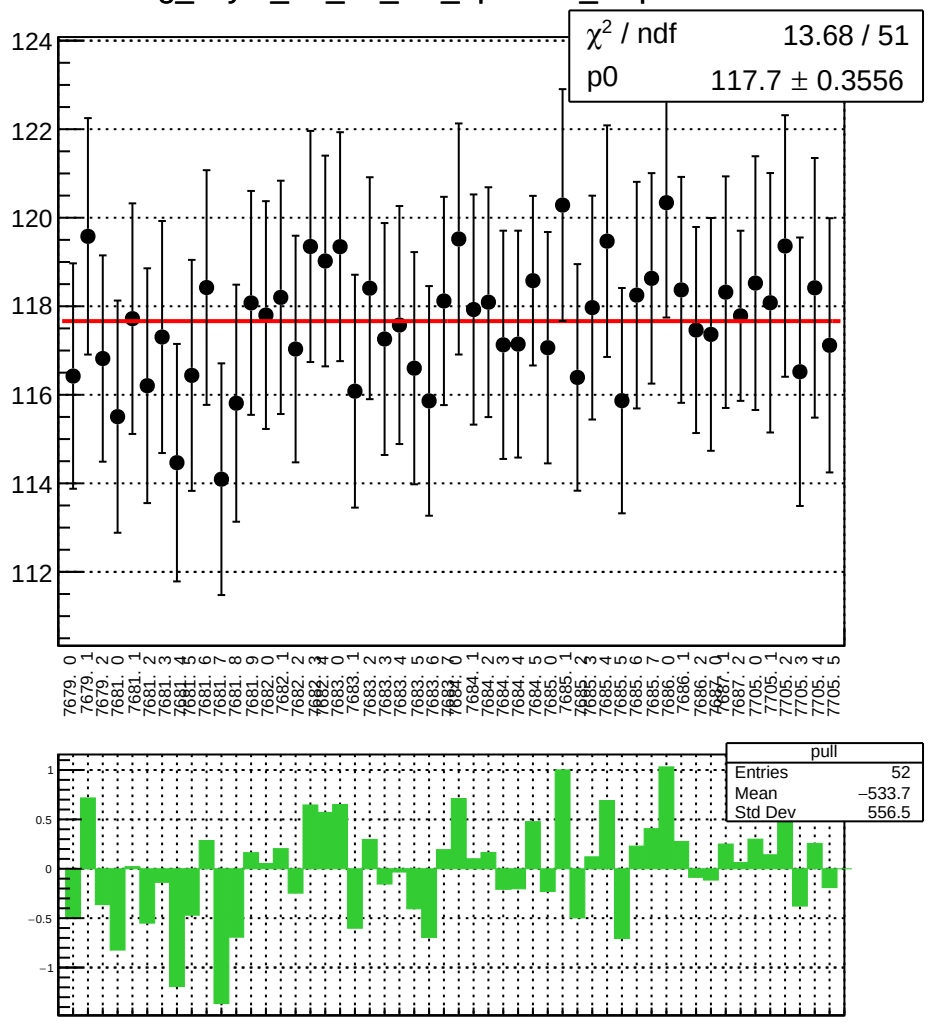

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.15 / 51
p0 −37.39 ± 4.956
pull
Entries 52
Mean 83.82
Std Dev 57.43
pull1D
Entries 52
Mean −0.02568
Std Dev 0.441

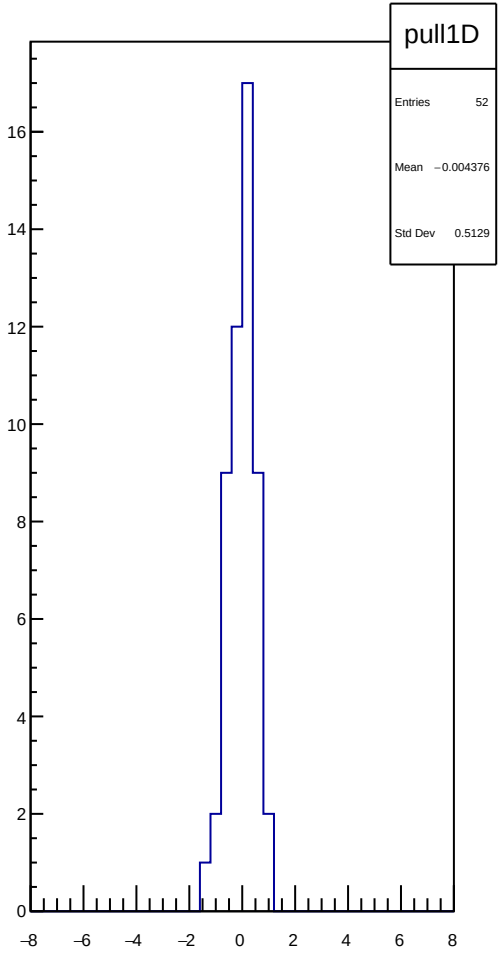

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.02 / 51
p0 −351.1± 2.417
pull
Entries 52
Mean 50.35
Std Dev 6.709

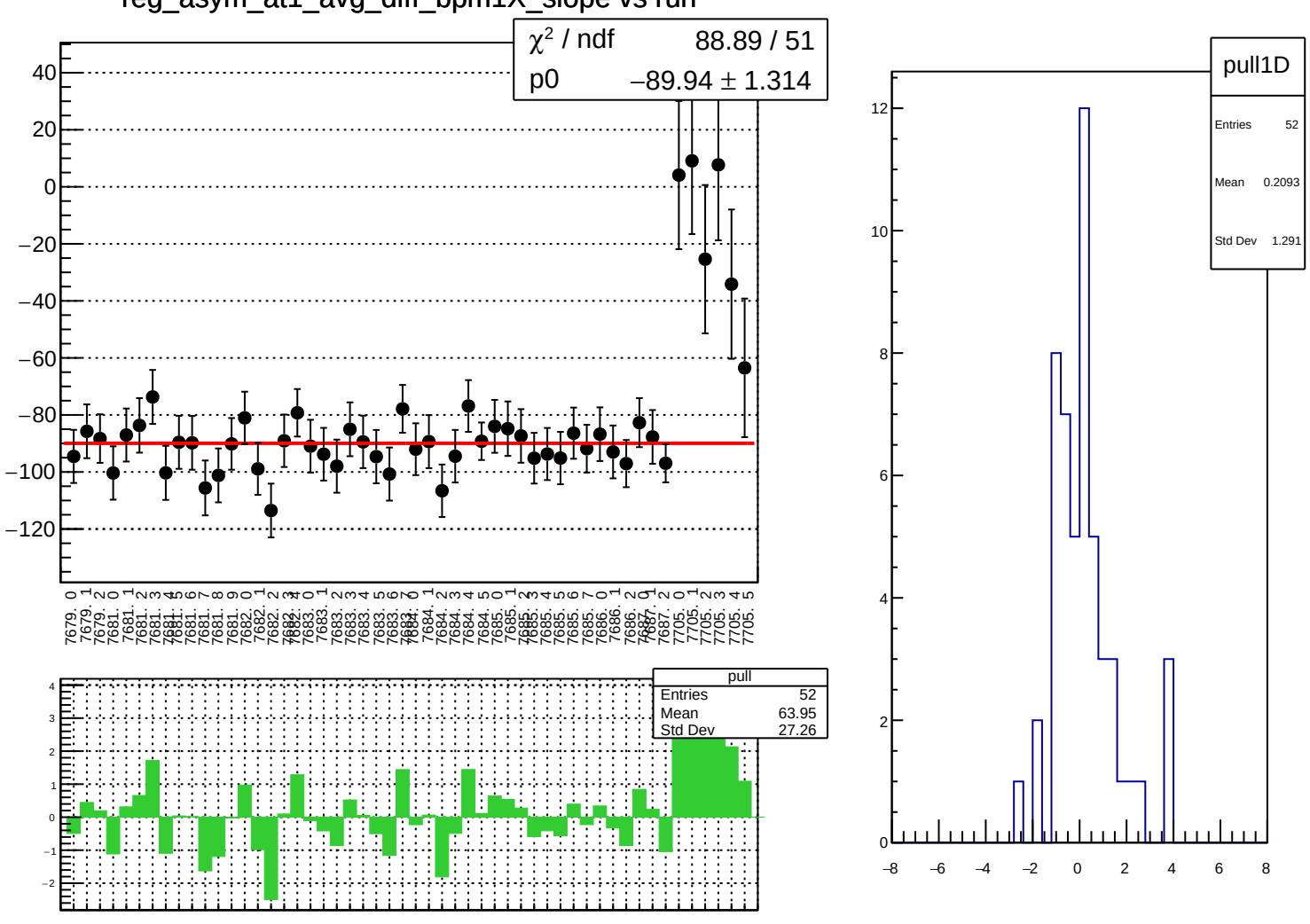

pull1D
Entries 52
Mean 0.2205
Std Dev 0.8933

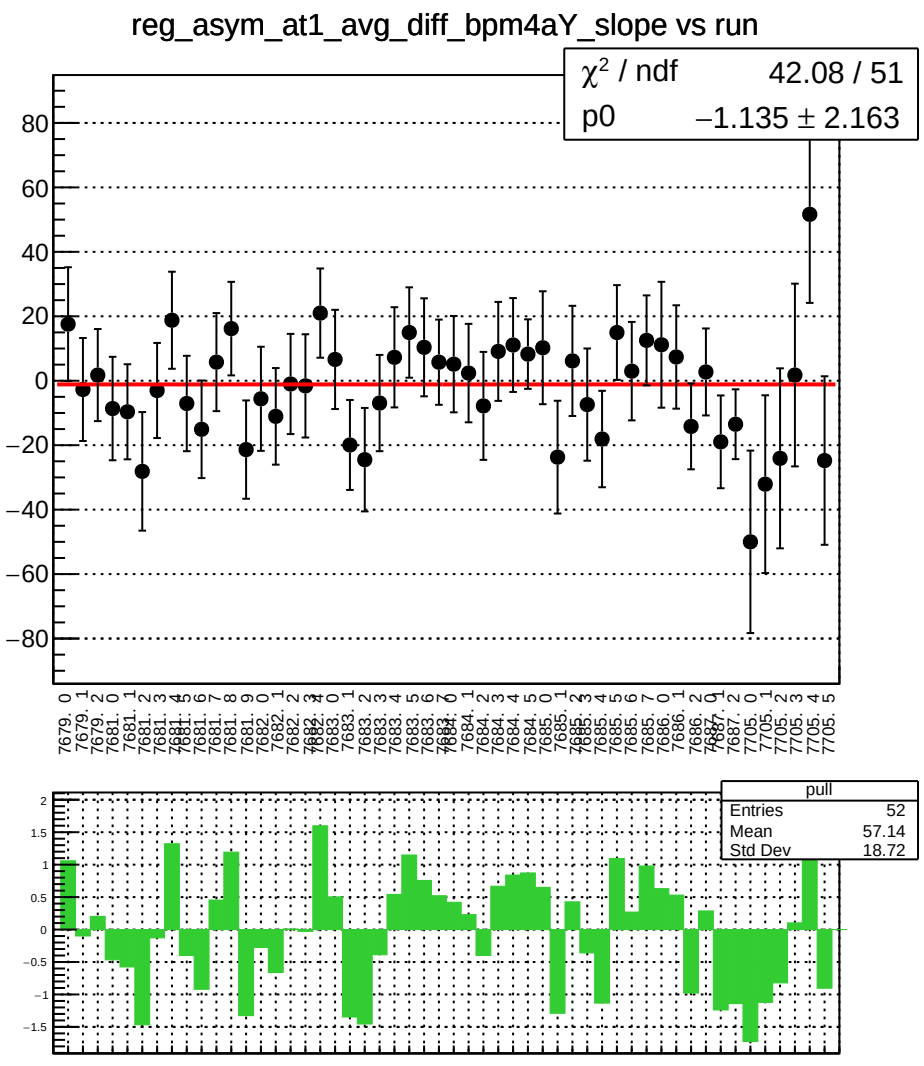

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.26 / 51
p0 −5.529 ± 7.307
pull
Entries 52
Mean 110.5
Std Dev 86.07

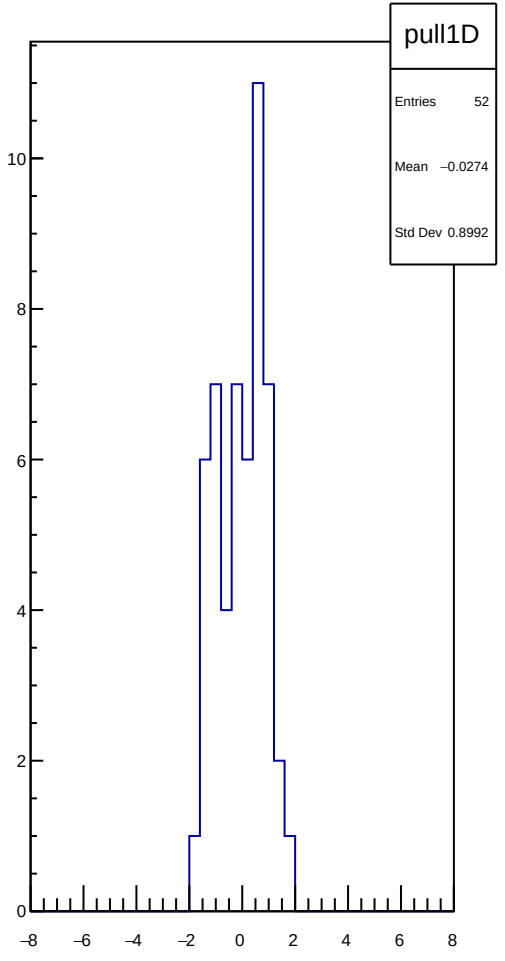

pull1D
Entries 52
Mean 0.01631
Std Dev 0.4439

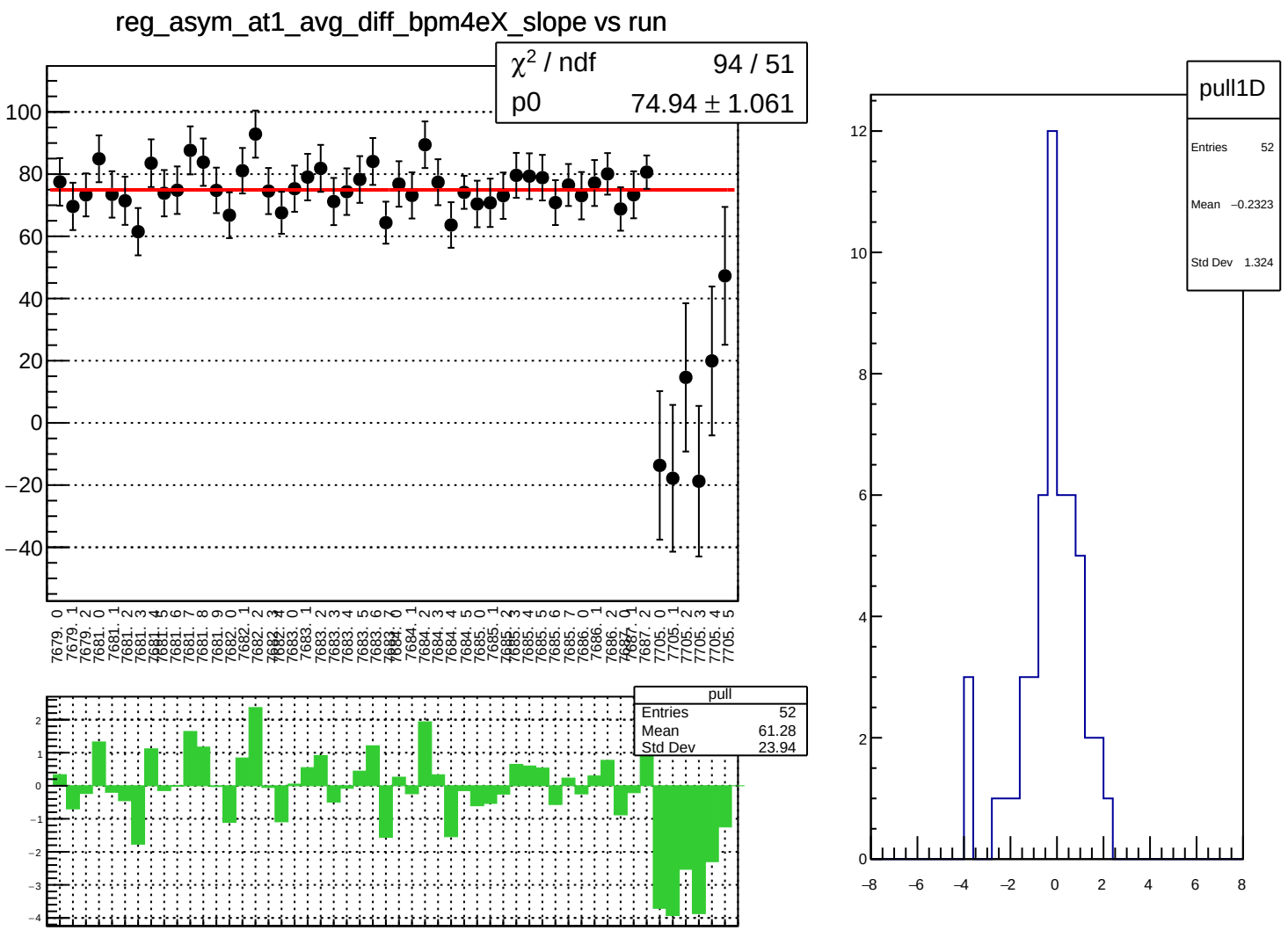

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.68 / 51
p0 117.7 ± 0.3556
pull
Entries 52
Mean −533.7
Std Dev 556.5

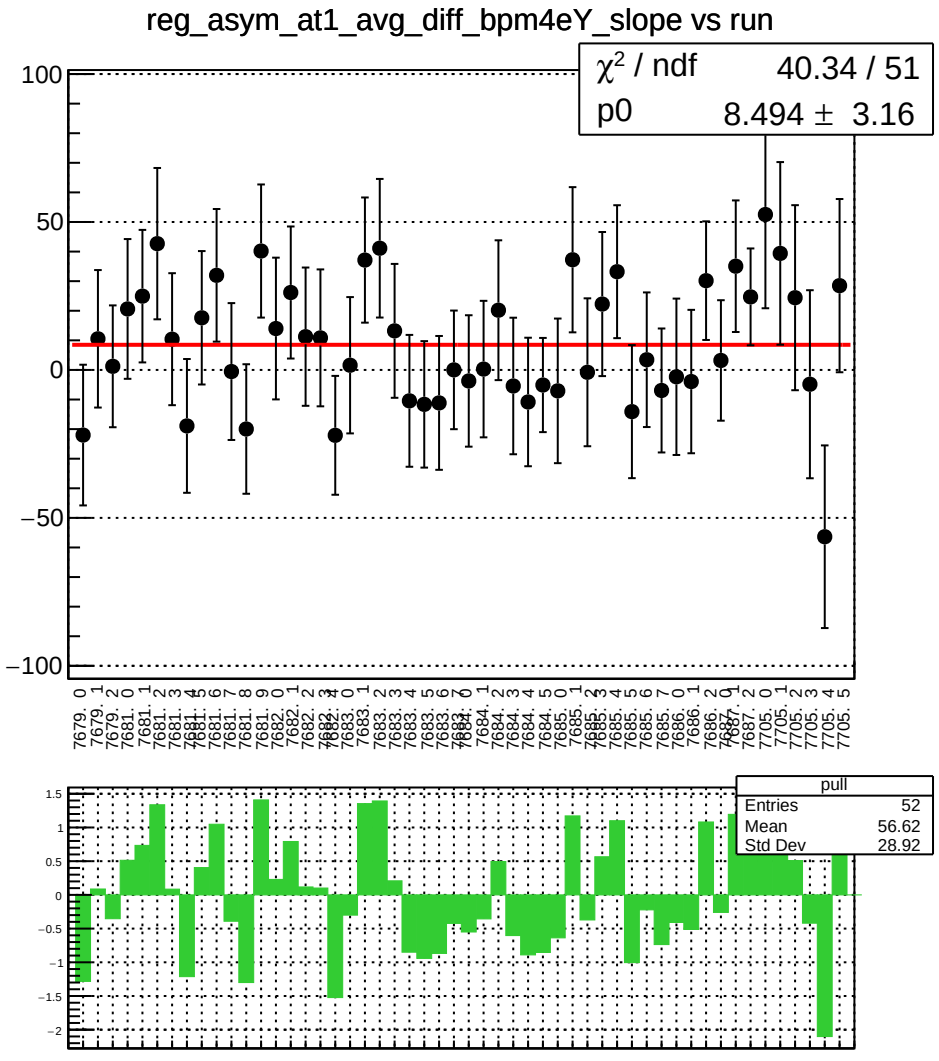

pull1D
Entries 52
Mean −0.004376
Std Dev 0.5129

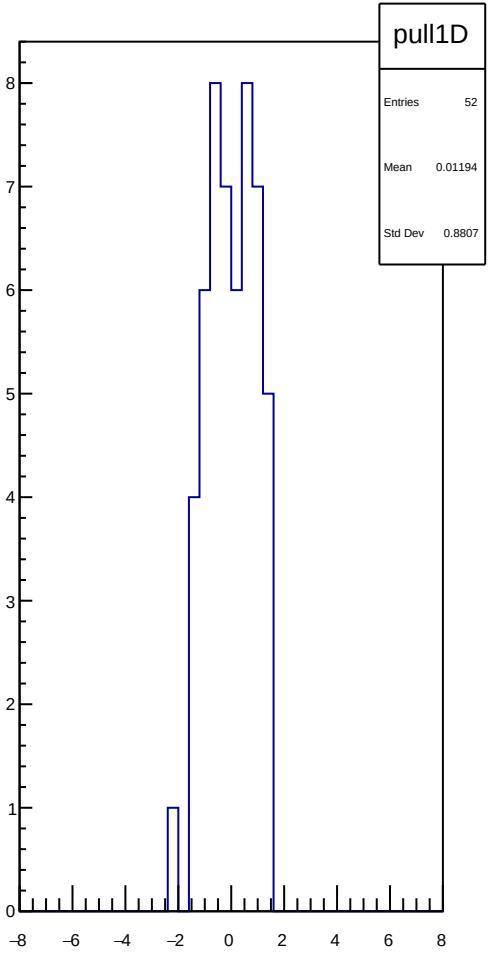

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 88.89 / 51
p0 −89.94 ± 1.314
pull
Entries 52
Mean 63.95
Std Dev 27.26
pull1D
Entries 52
Mean 0.2093
Std Dev 1.291

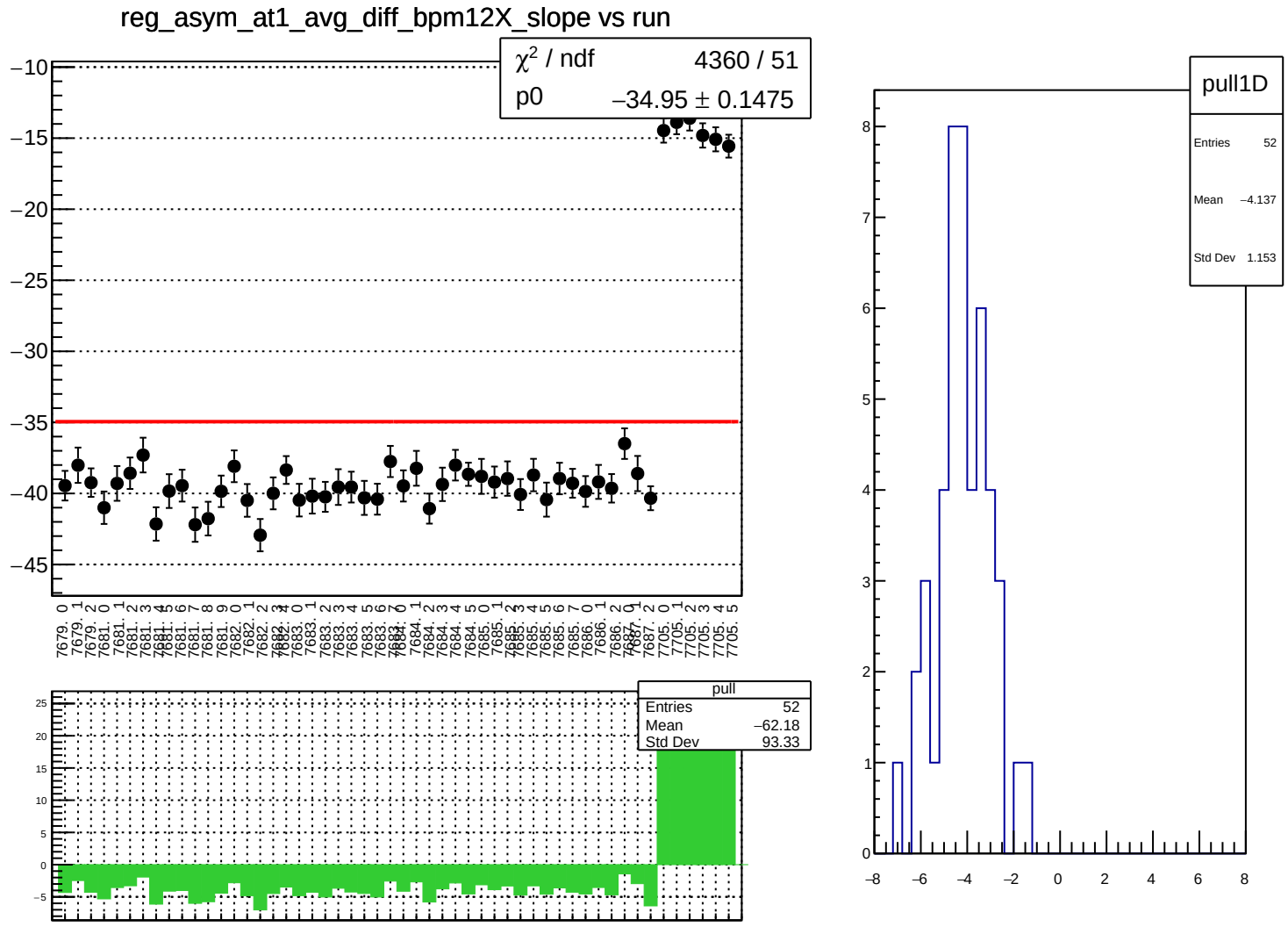

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.08 / 51
p0 −1.135 ± 2.163
pull
Entries 52
Mean 57.14
Std Dev 18.72

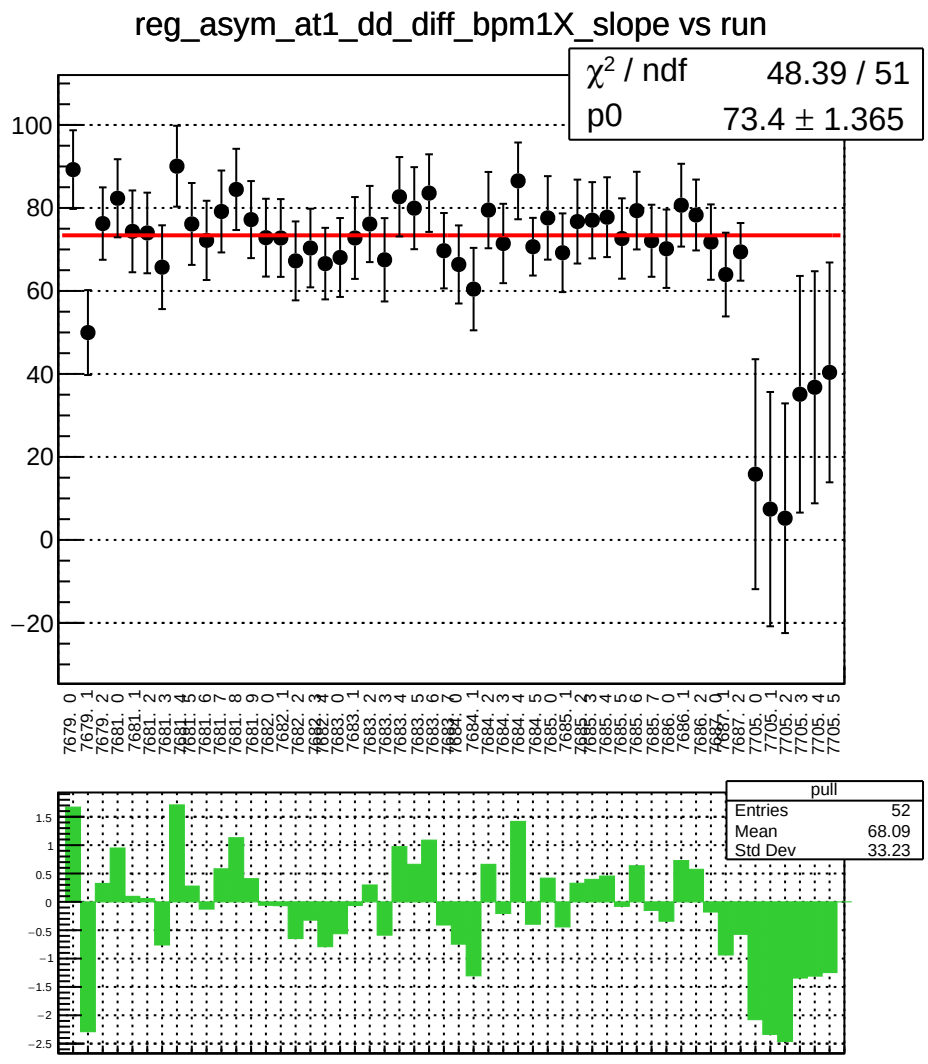

pull1D
Entries 52
Mean −0.0274
Std Dev 0.8992

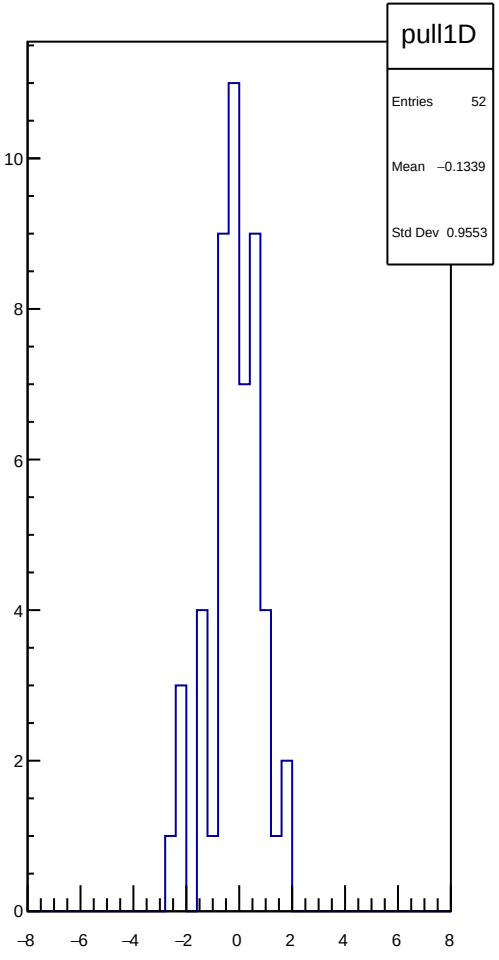

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 94 / 51
p0 74.94 ± 1.061
pull
Entries 52
Mean 61.28
Std Dev 23.94
pull1D
Entries 52
Mean −0.2323
Std Dev 1.324

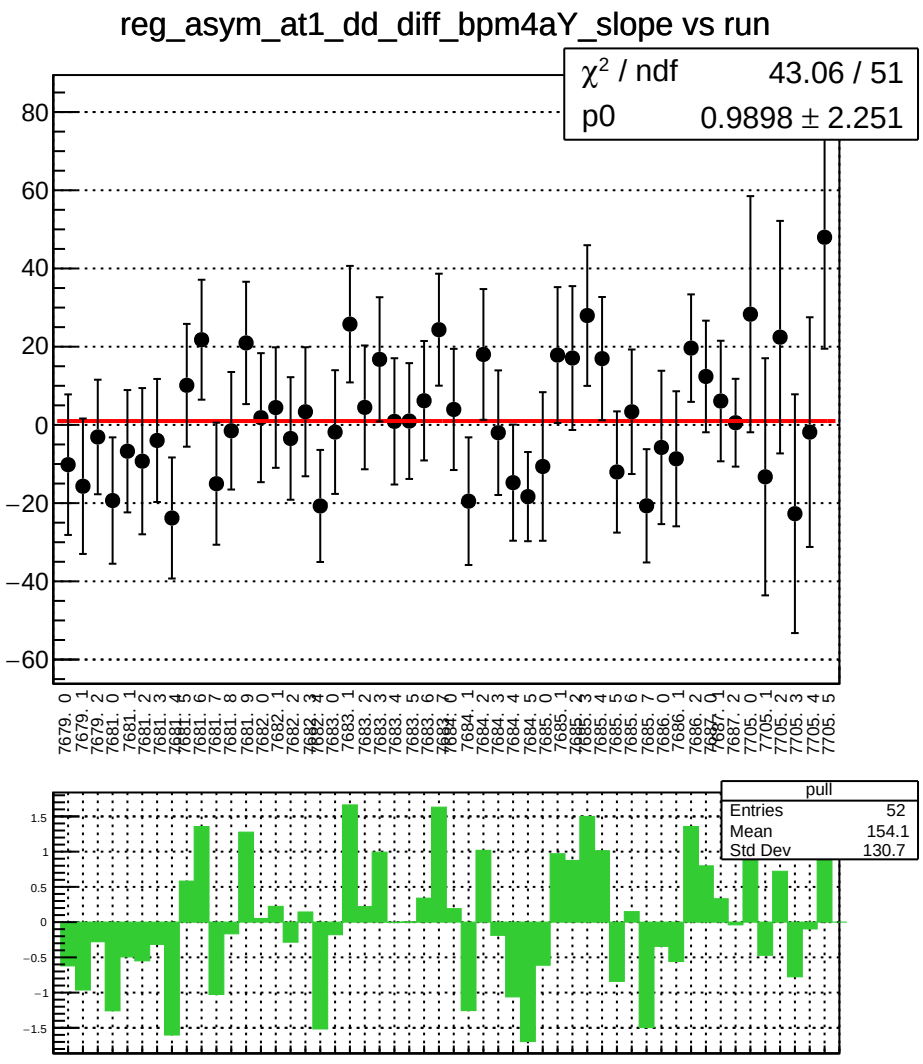

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.34 / 51
p0 8.494 ± 3.16
pull
Entries 52
Mean 56.62
Std Dev 28.92

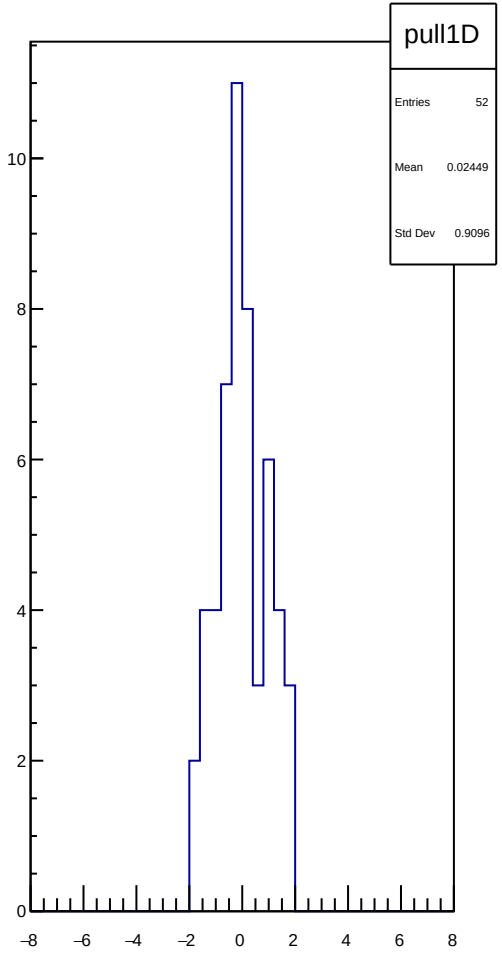

pull1D
Entries 52
Mean 0.01194
Std Dev 0.8807

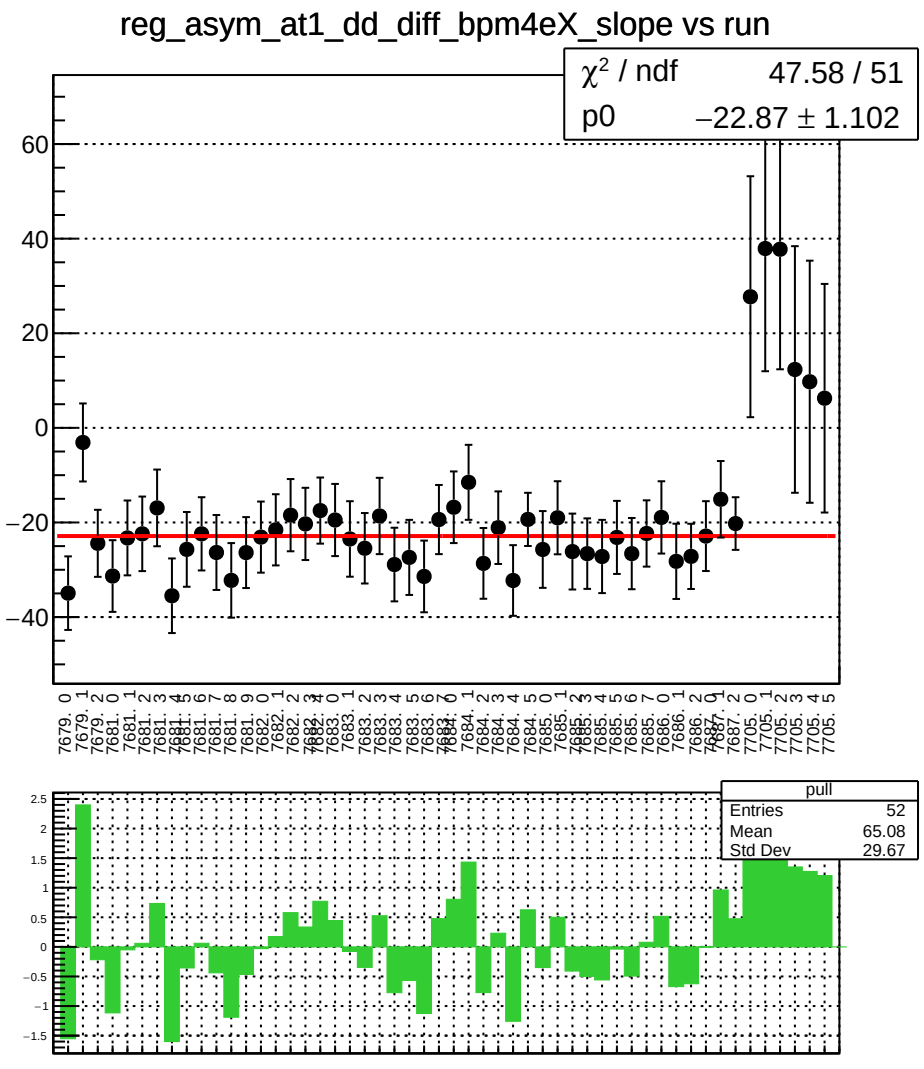

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 4360 / 51
p0 −34.95 ± 0.1475
pull
Entries 52
Mean −62.18
Std Dev 93.33
pull1D
Entries 52
Mean −4.137
Std Dev 1.153

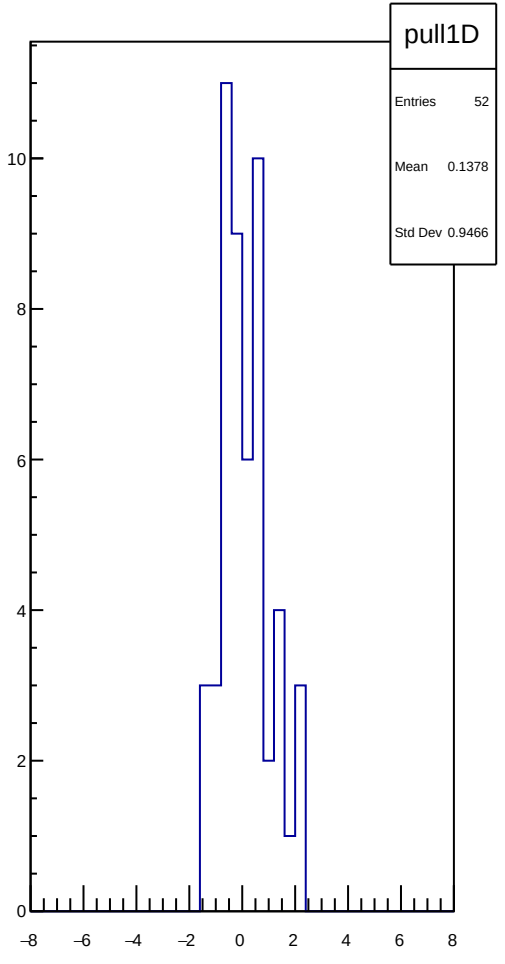

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 48.39 / 51
p0 73.4 ± 1.365
pull
Entries 52
Mean 68.09
Std Dev 33.23

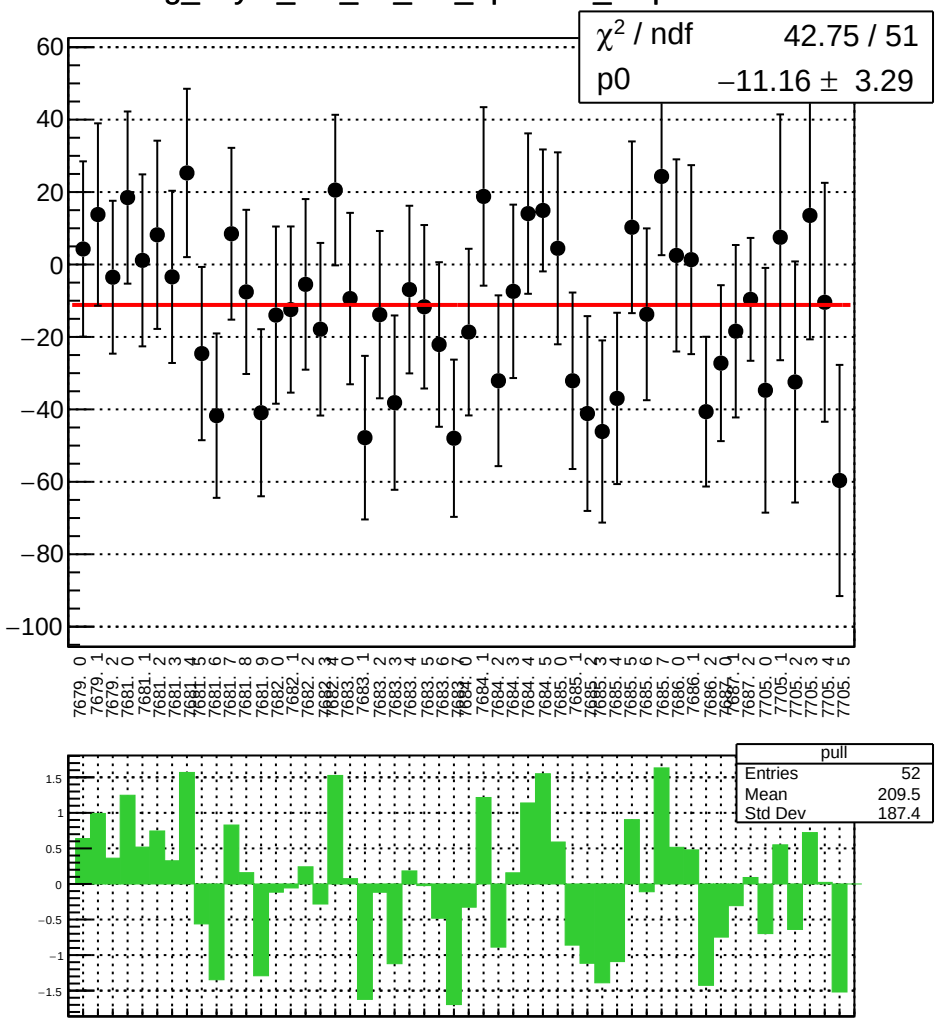

pull1D
Entries 52
Mean −0.1339
Std Dev 0.9553

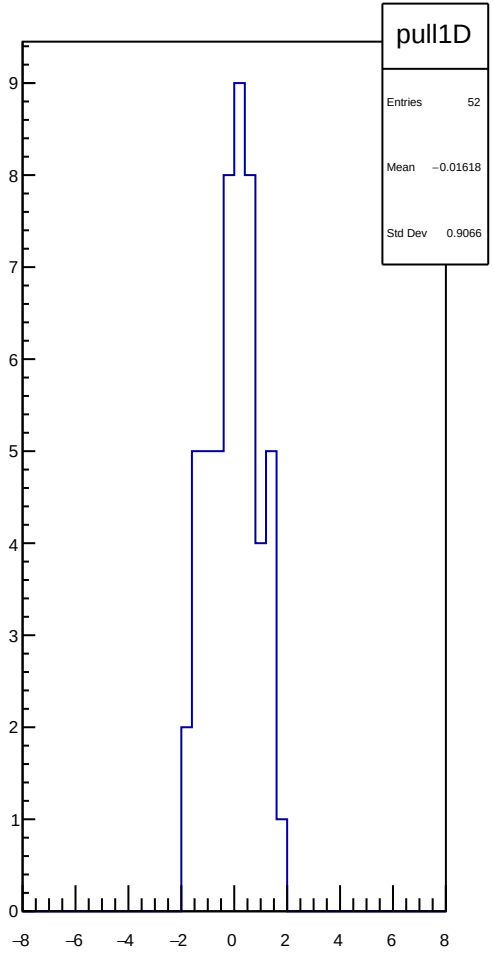

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.06 / 51
p0 0.9898 ± 2.251
pull
Entries 52
Mean 154.1
Std Dev 130.7

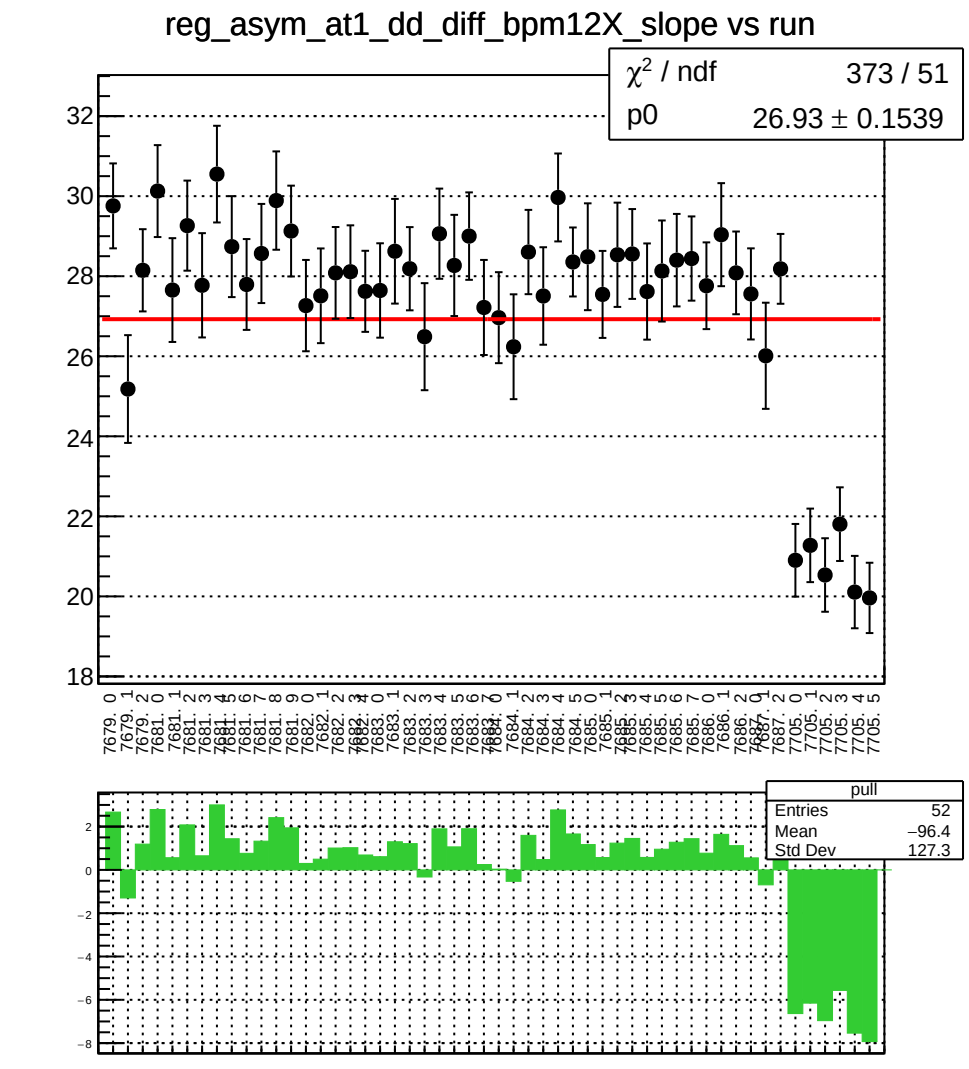

pull1D
Entries 52
Mean 0.02449
Std Dev 0.9096

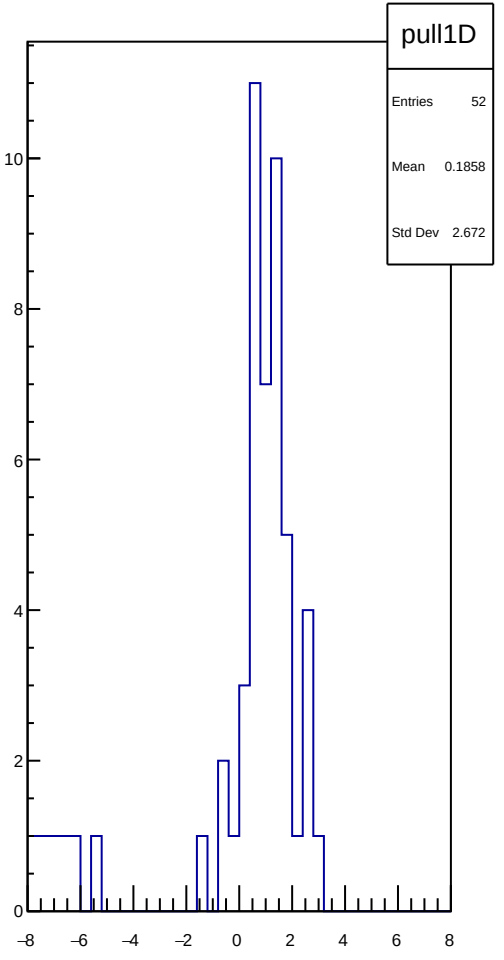

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.58 / 51
p0 −22.87 ± 1.102
pull
Entries 52
Mean 65.08
Std Dev 29.67

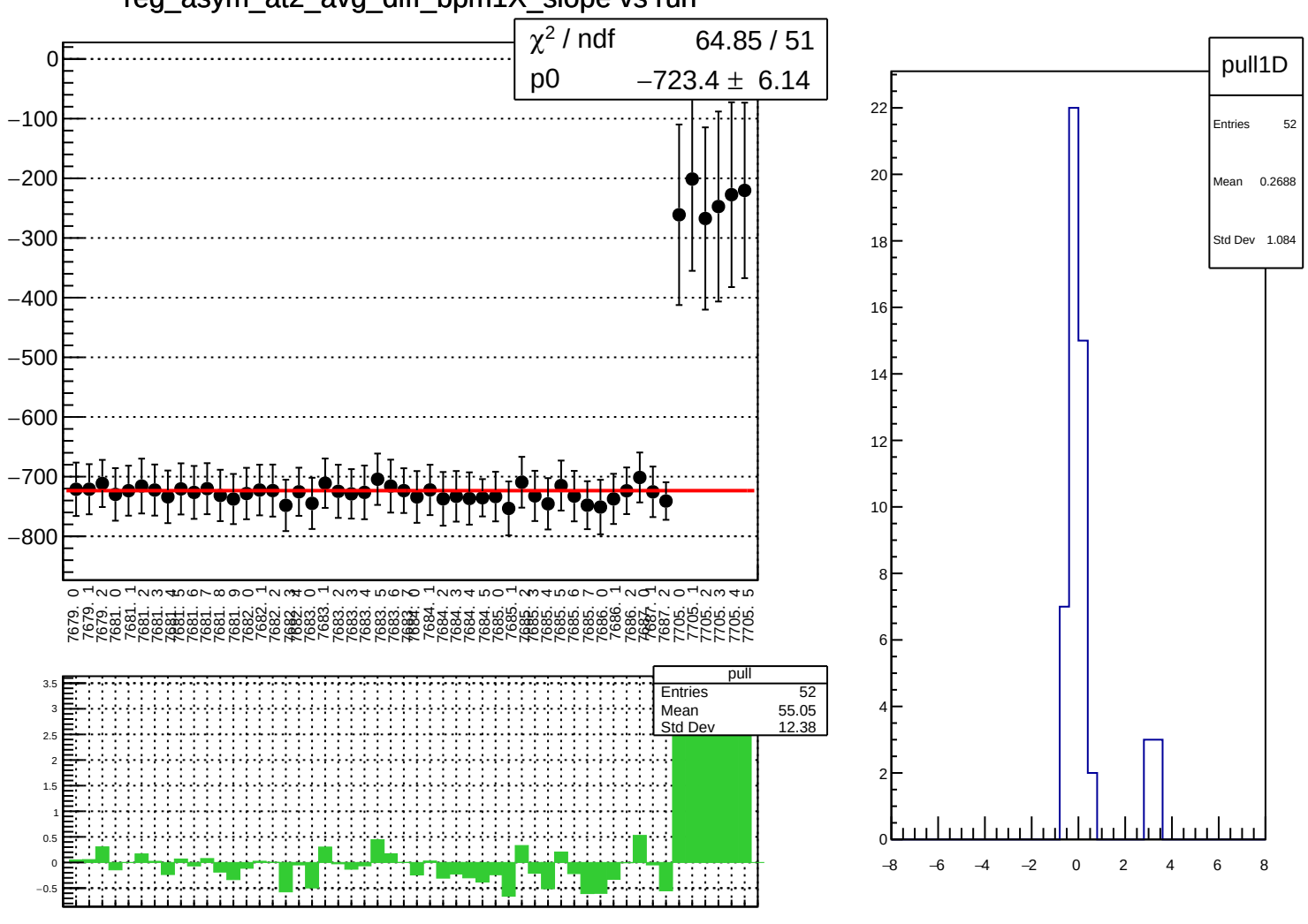

pull1D
Entries 52
Mean 0.1378
Std Dev 0.9466

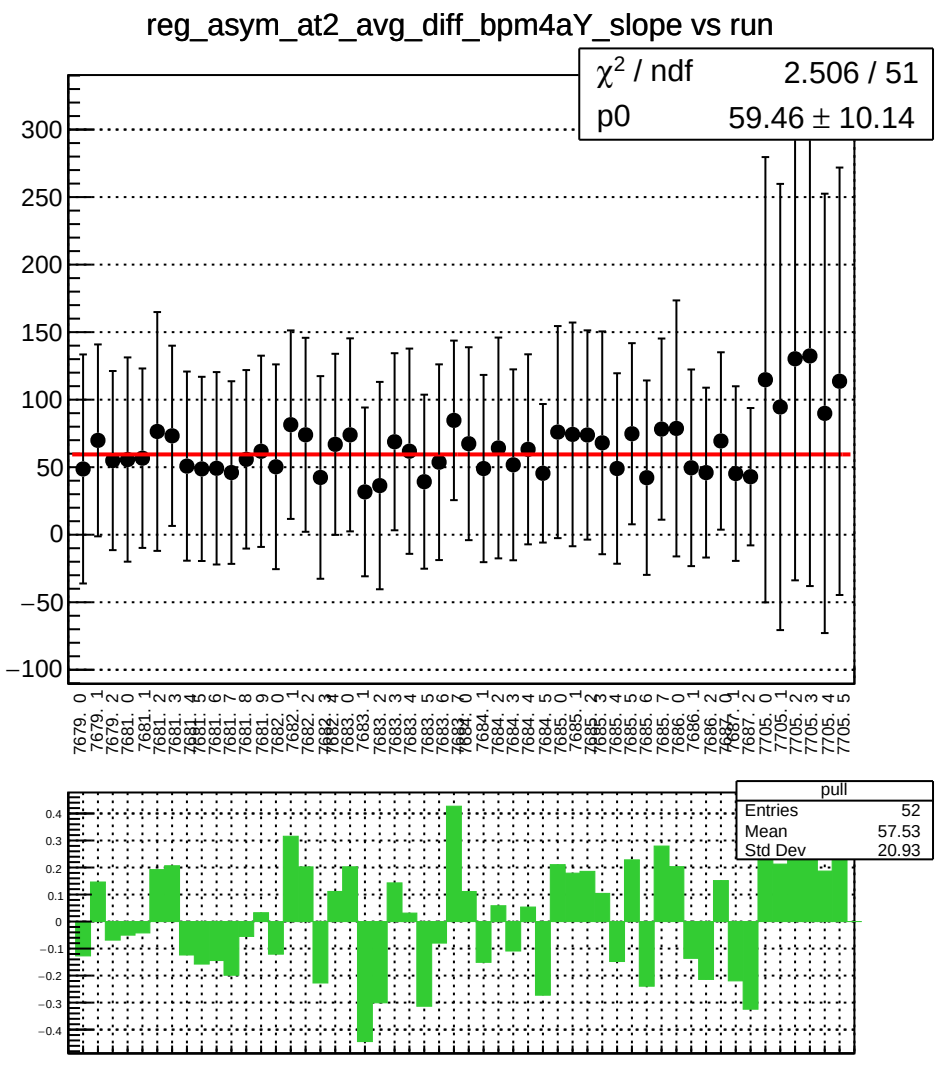

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.75 / 51
p0 −11.16 ± 3.29
pull
Entries 52
Mean 209.5
Std Dev 187.4

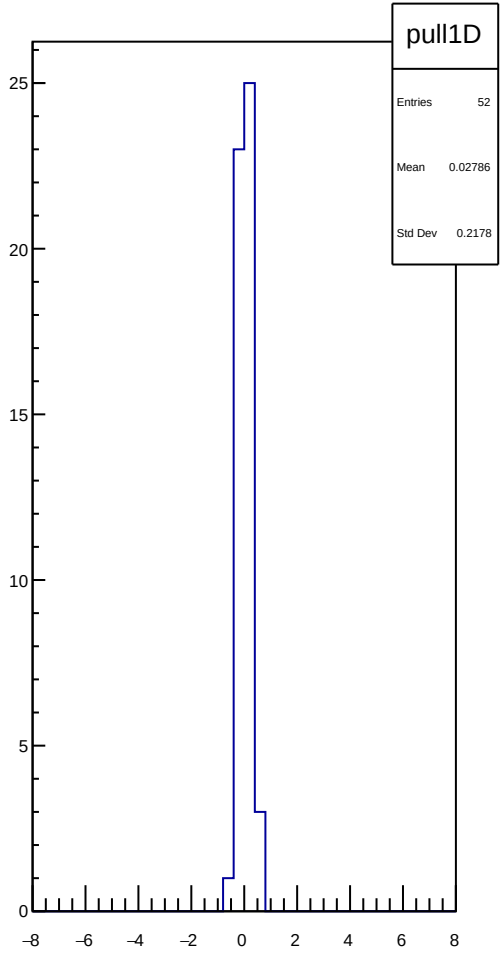

pull1D
Entries 52
Mean −0.01618
Std Dev 0.9066

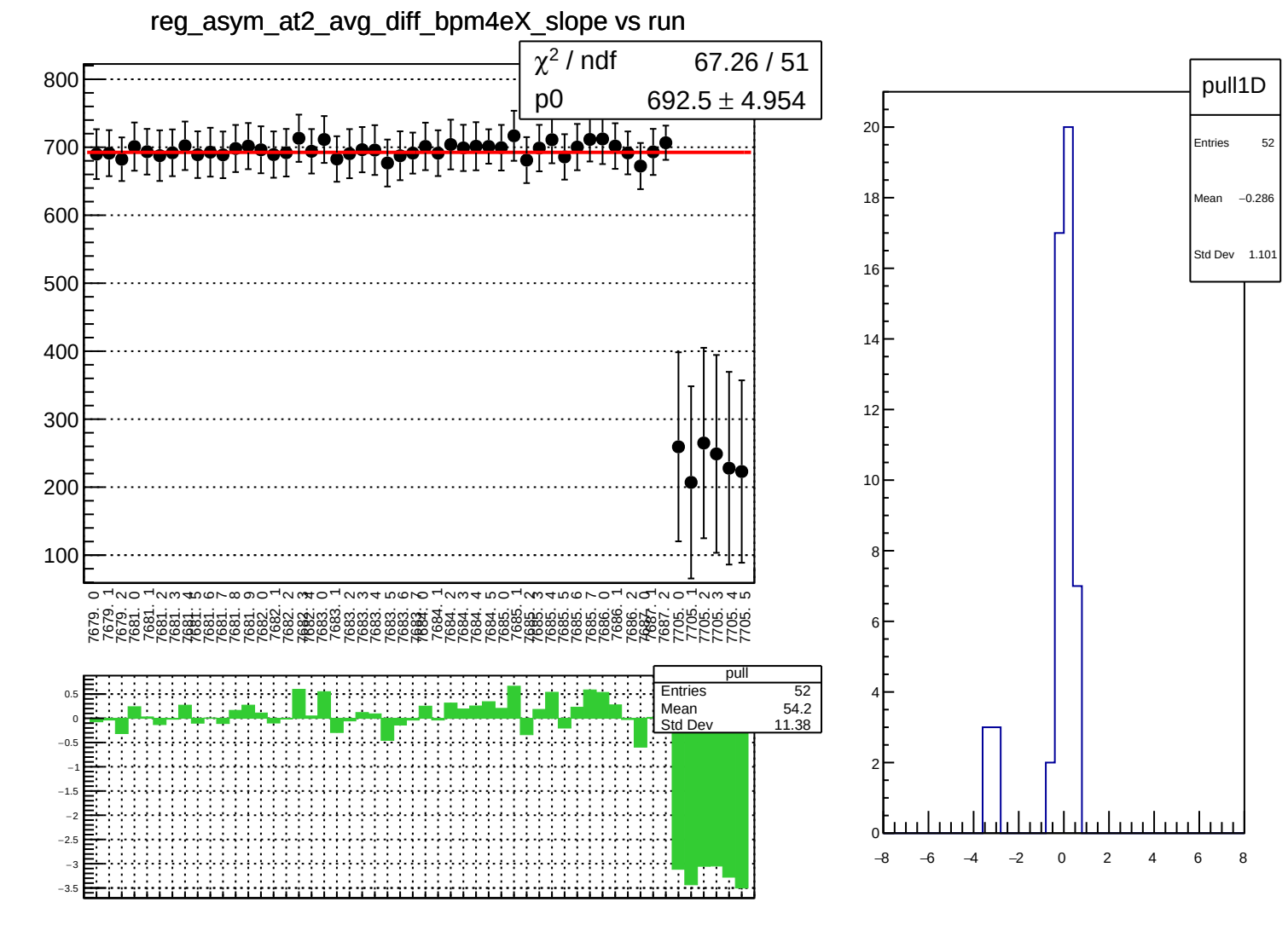

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 373 / 51
p0 26.93 ± 0.1539
pull
Entries 52
Mean −96.4
Std Dev 127.3

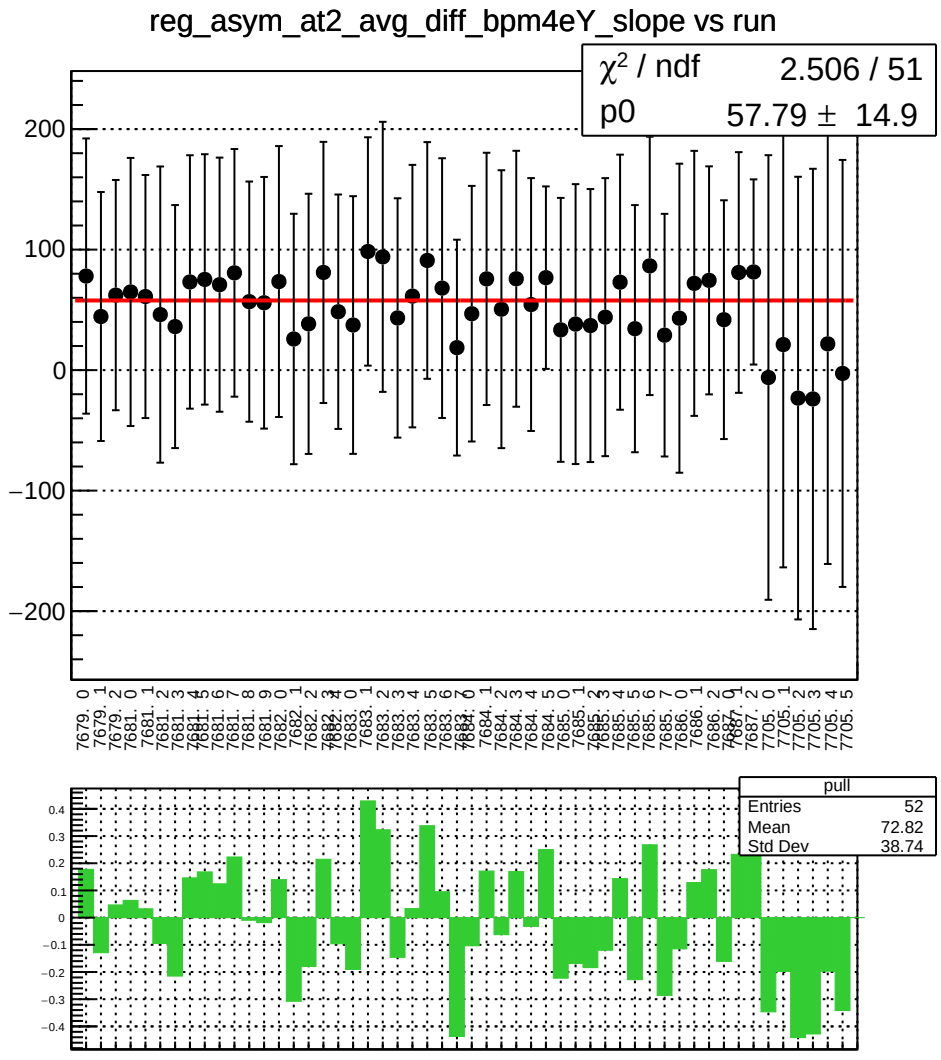

pull1D
Entries 52
Mean 0.1858
Std Dev 2.672

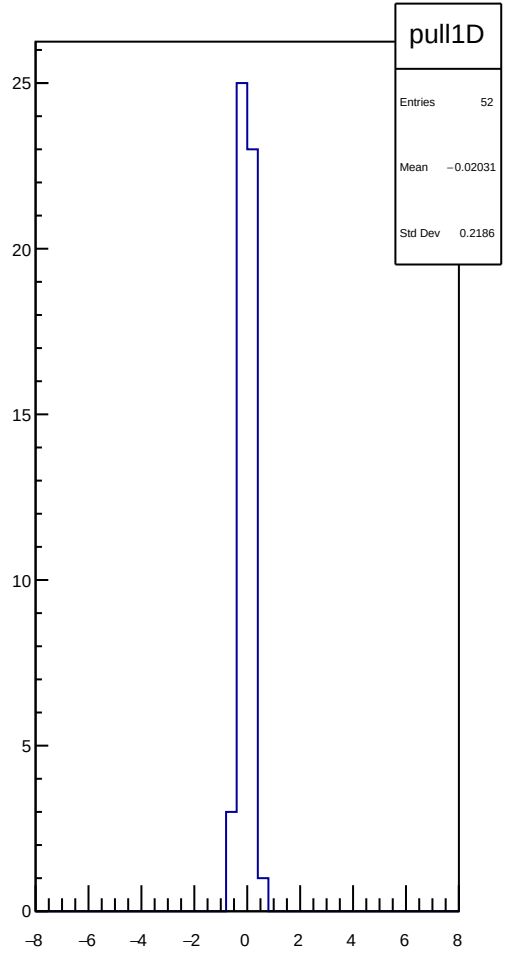

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 64.85 / 51
p0 −723.4 ± 6.14
pull
Entries 52
Mean 55.05
Std Dev 12.38
pull1D
Entries 52
Mean 0.2688
Std Dev 1.084

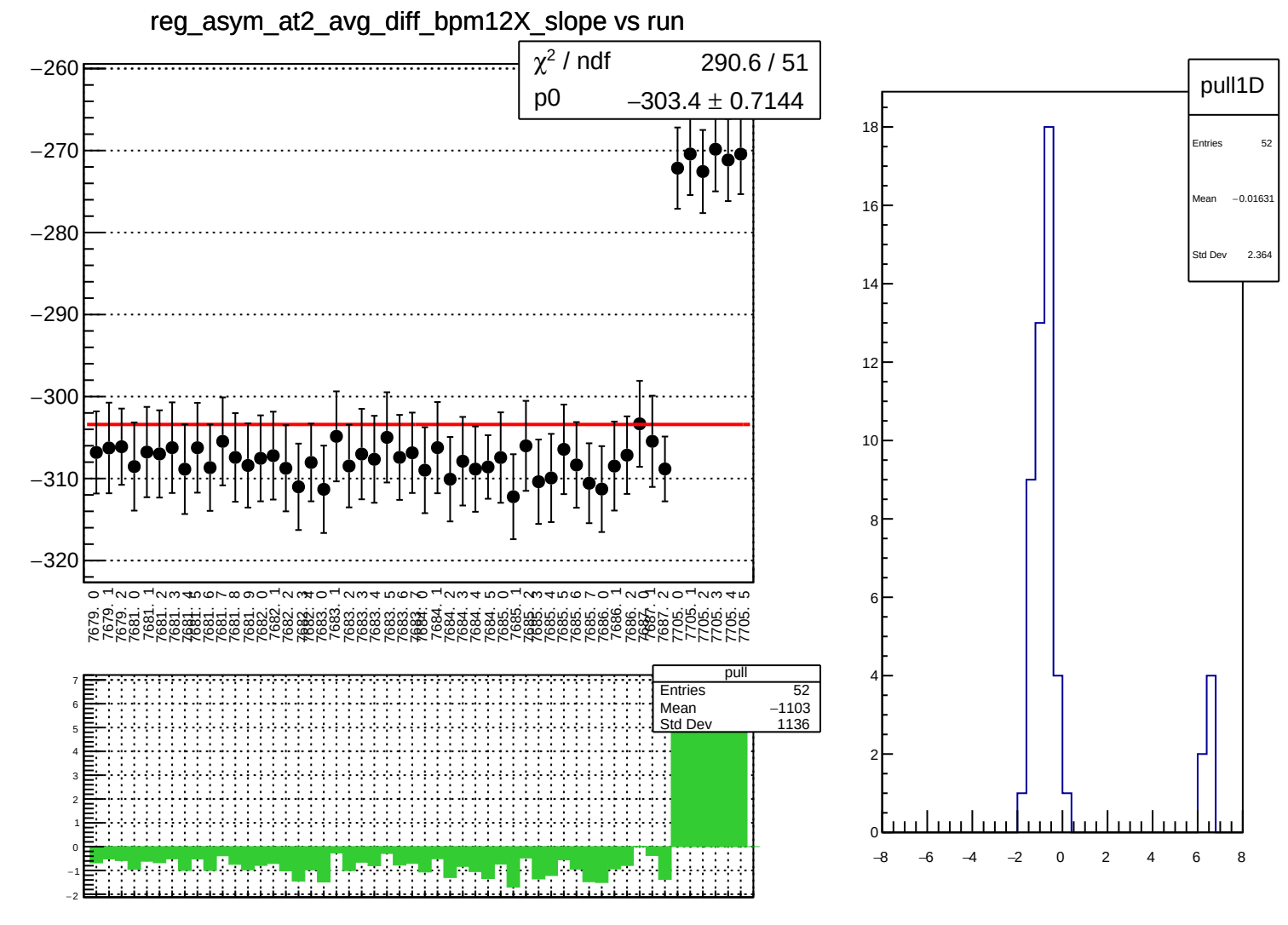

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.506 / 51
p0 59.46 ± 10.14
pull
Entries 52
Mean 57.53
Std Dev 20.93

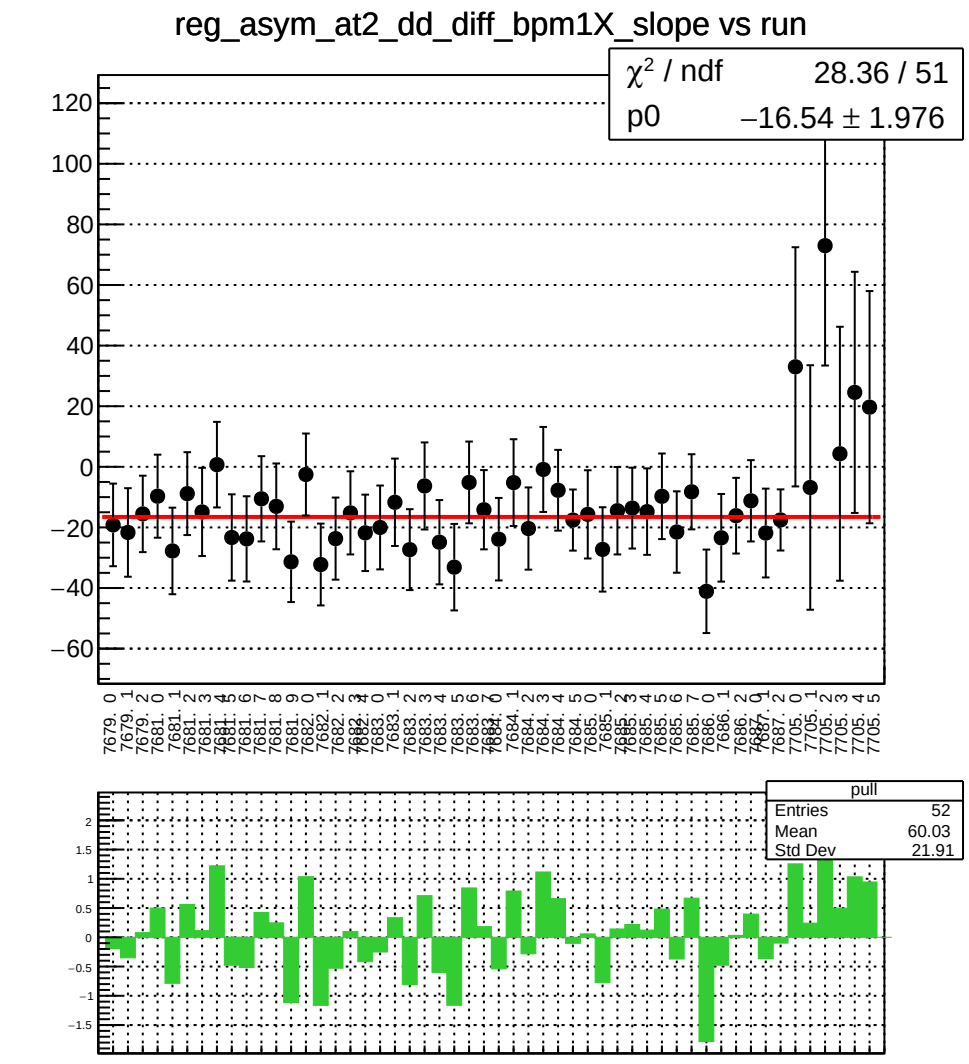

pull1D
Entries 52
Mean 0.02786
Std Dev 0.2178

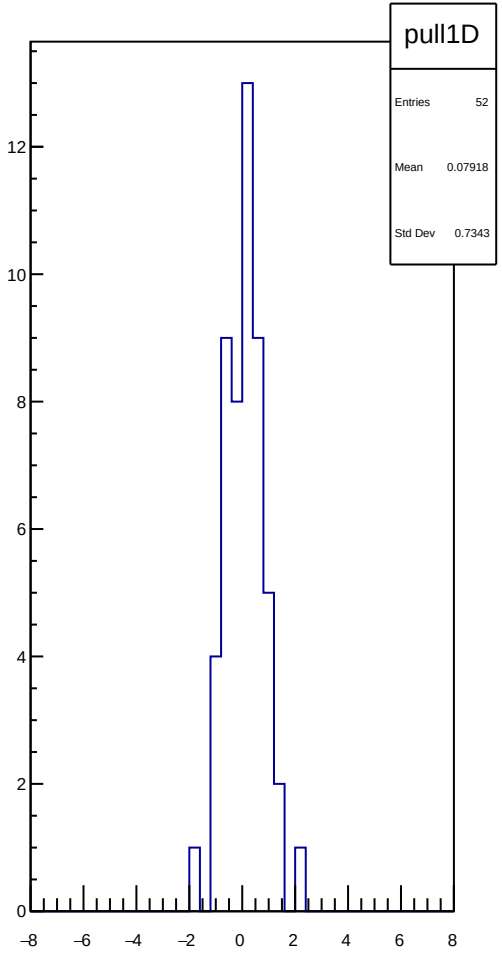

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.26 / 51
p0 692.5 ± 4.954
pull
Entries 52
Mean 54.2
Std Dev 11.38
pull1D
Entries 52
Mean −0.286
Std Dev 1.101

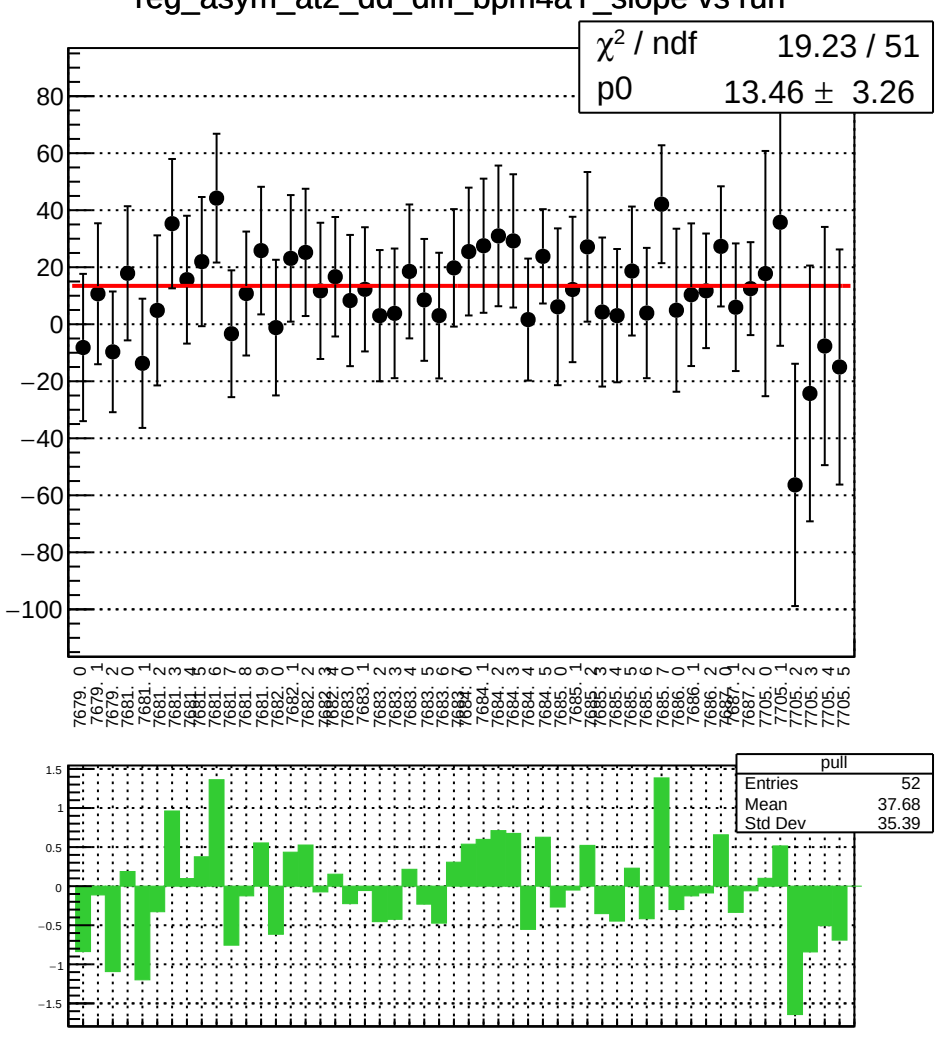

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.506 / 51
p0 57.79 ± 14.9
200
100
0
−100
−200
pull
Entries 52
Mean 72.82
Std Dev 38.74
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

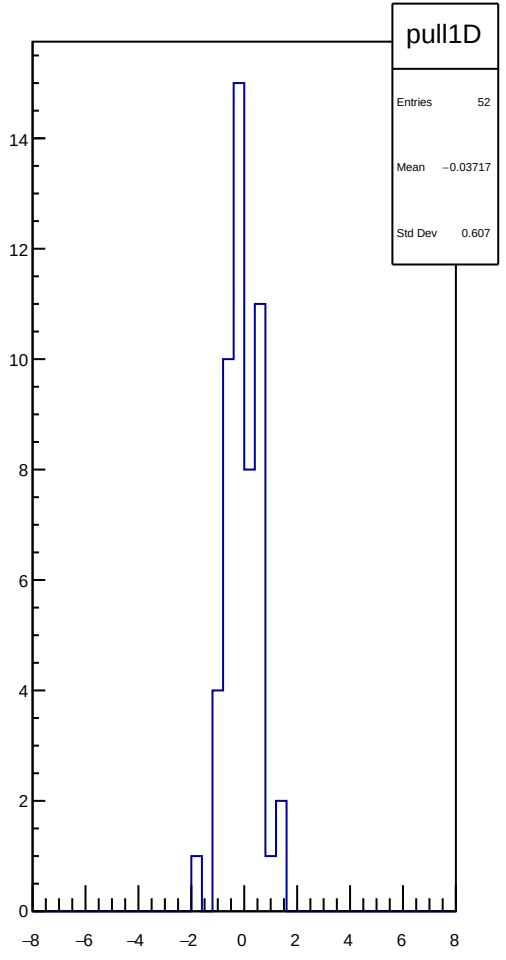

pull1D
Entries 52
Mean −0.02031
Std Dev 0.2186
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

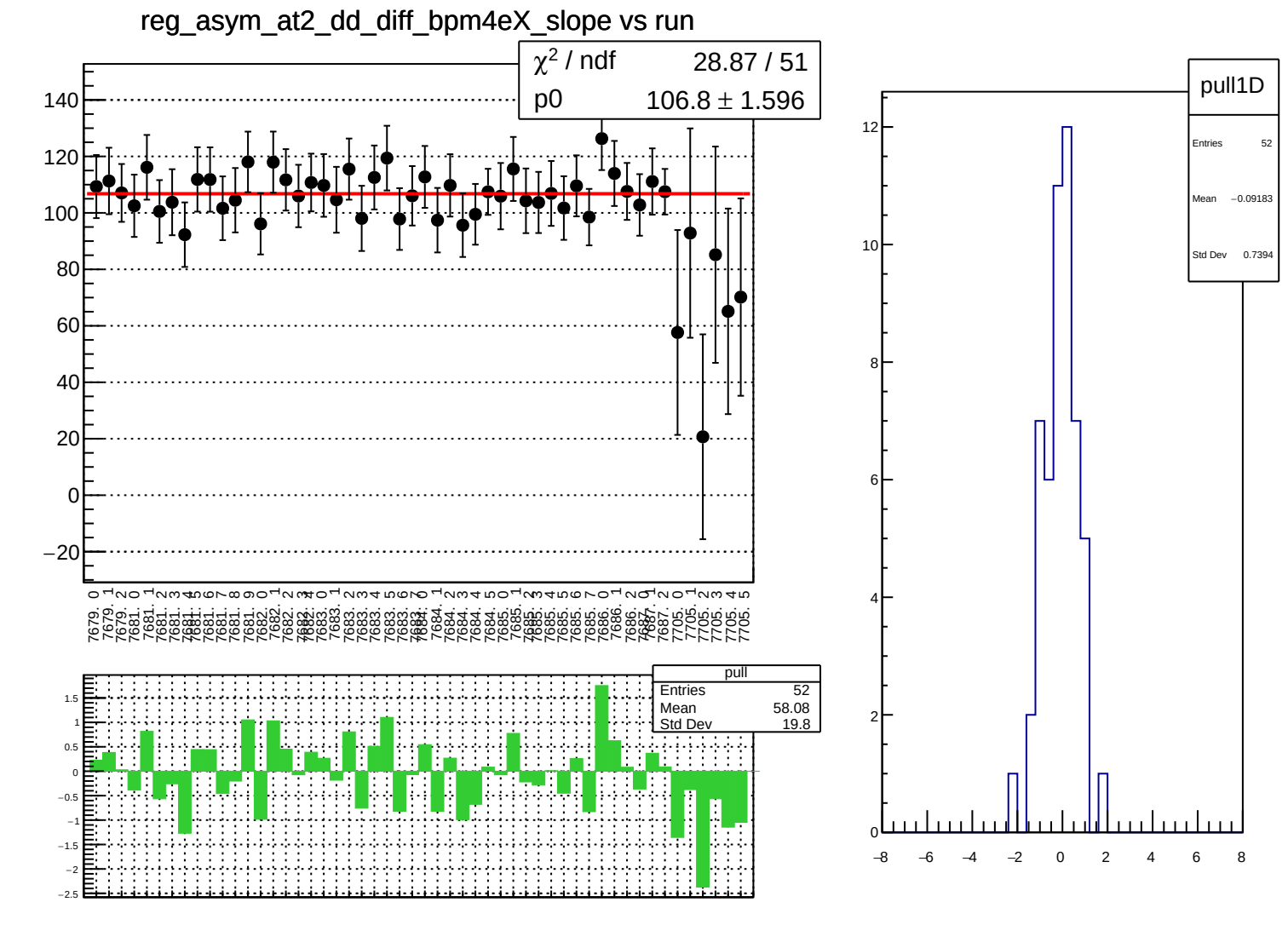

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 290.6 / 51
p0 −303.4 ± 0.7144
pull
Entries 52
Mean −1103
Std Dev 1136
pull1D
Entries 52
Mean −0.01631
Std Dev 2.364

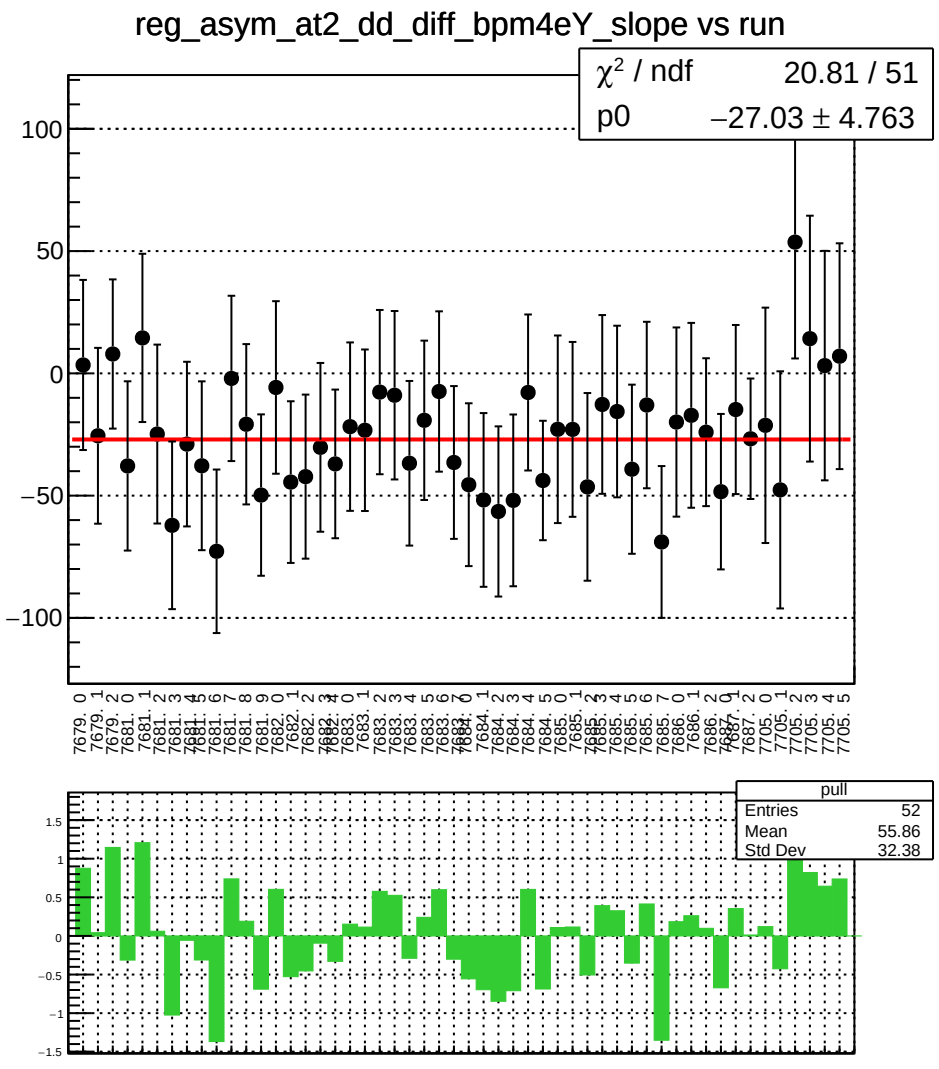

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 28.36 / 51
p0 −16.54 ± 1.976
pull
Entries 52
Mean 60.03
Std Dev 21.91

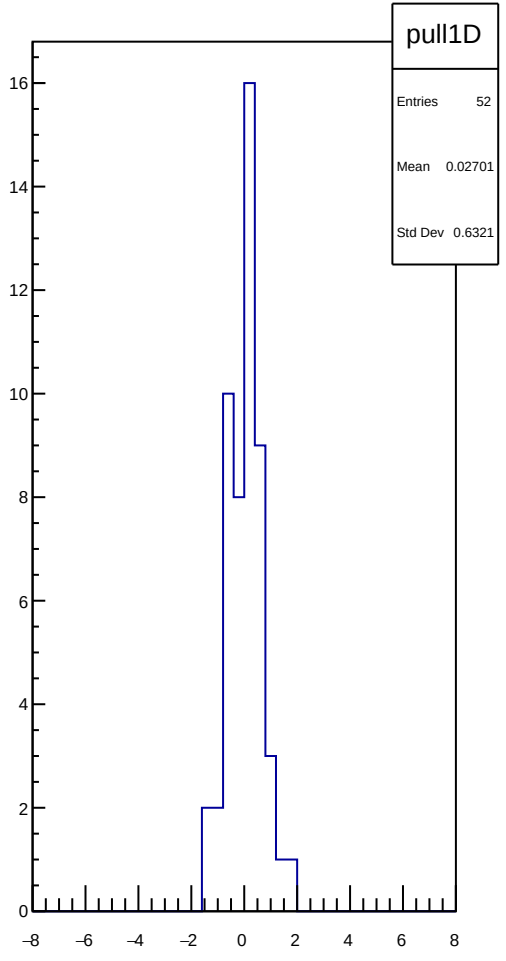

pull1D
Entries 52
Mean 0.07918
Std Dev 0.7343

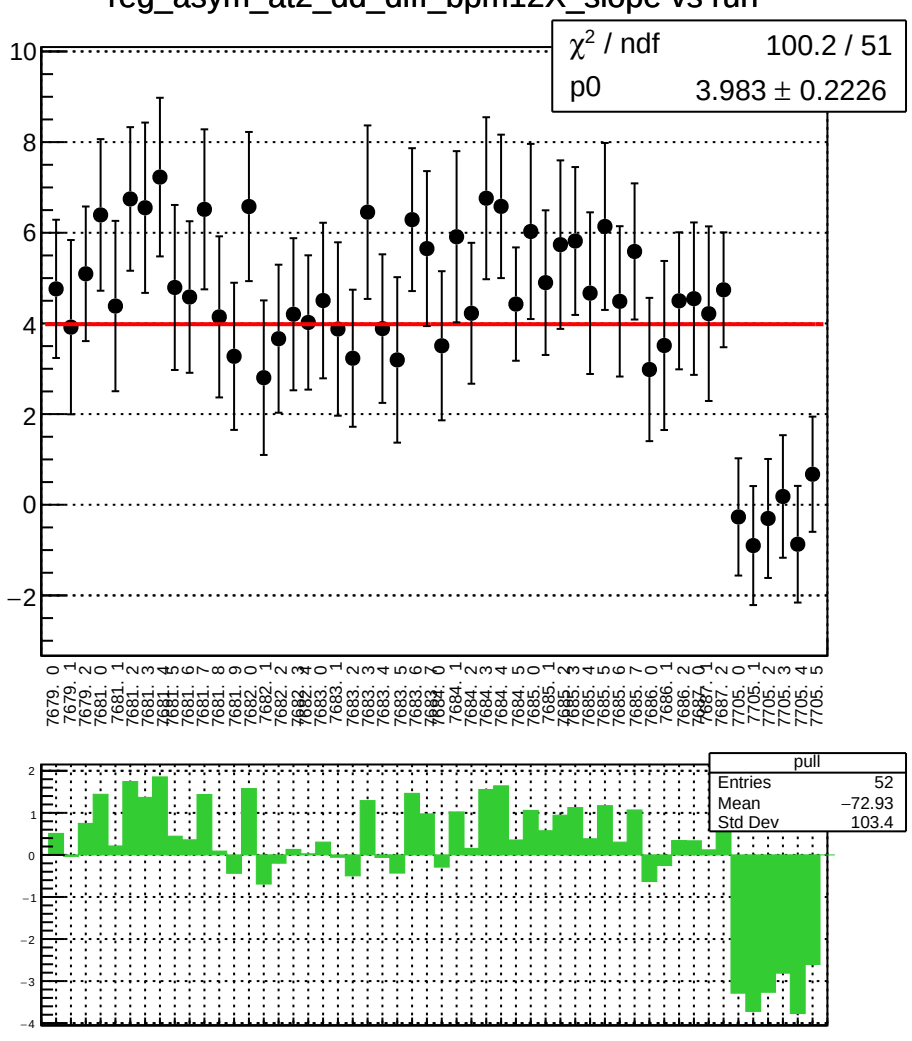

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.23 / 51
p0 13.46 ± 3.26
pull
Entries 52
Mean 37.68
Std Dev 35.39

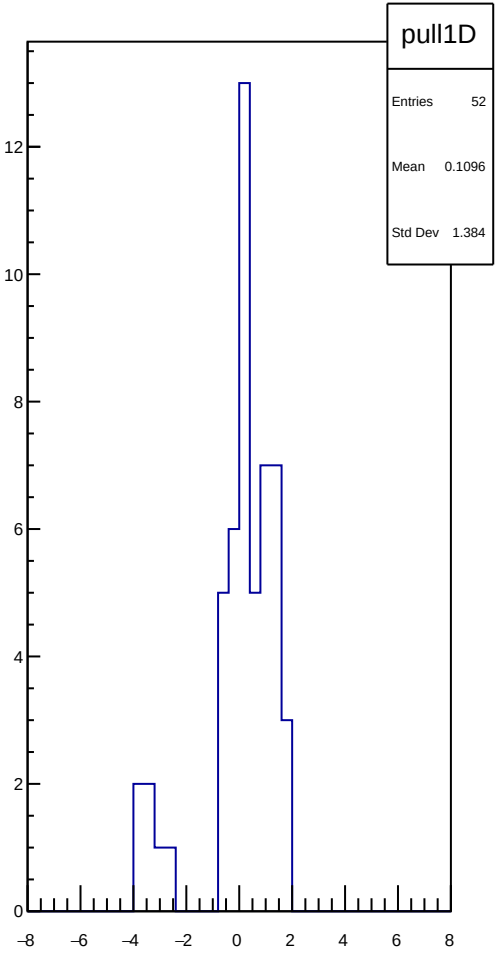

pull1D
Entries 52
Mean −0.03717
Std Dev 0.607

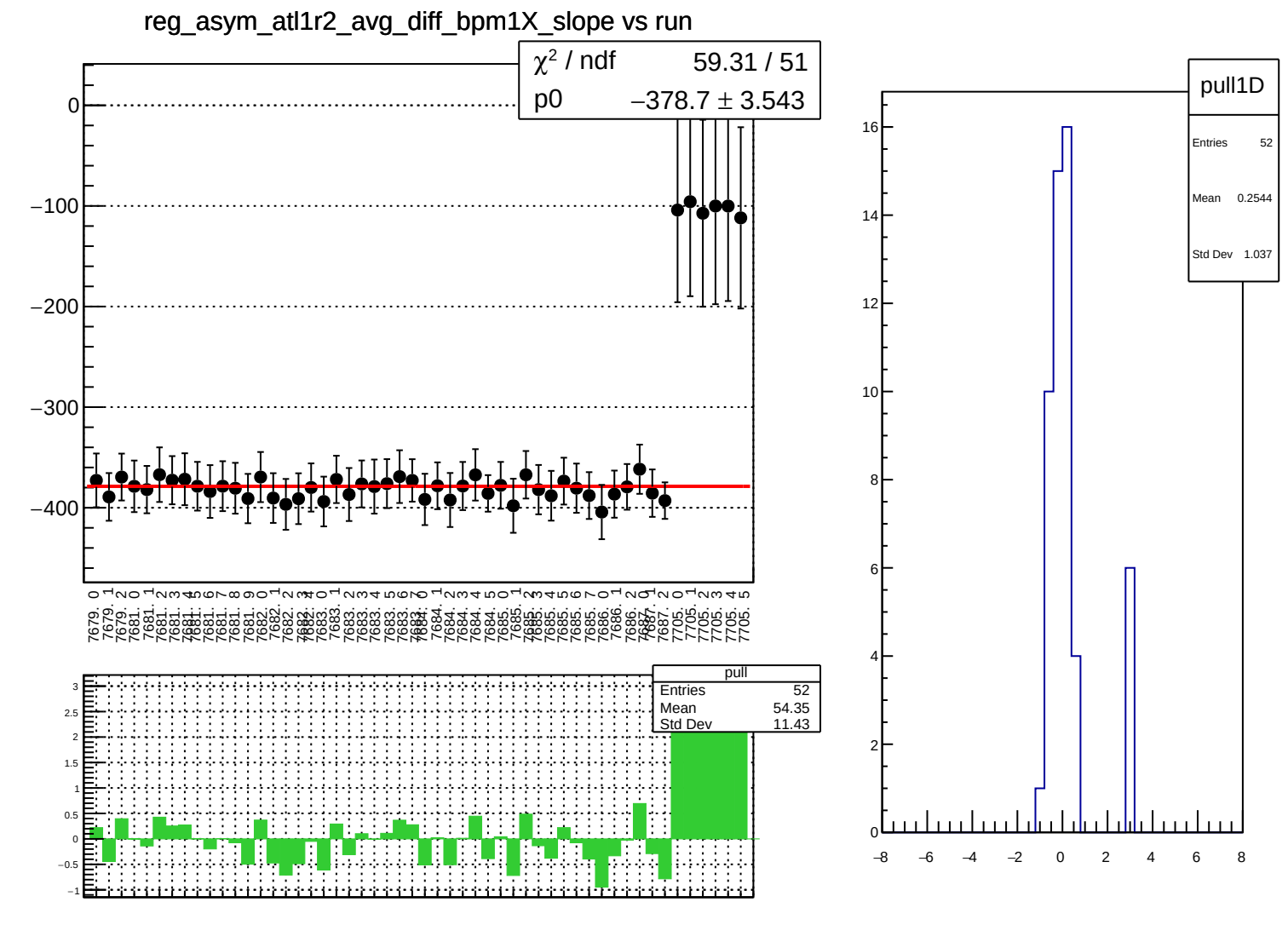

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.87 / 51
p0 106.8 ± 1.596
pull
Entries 52
Mean 58.08
Std Dev 19.8
pull1D
Entries 52
Mean −0.09183
Std Dev 0.7394

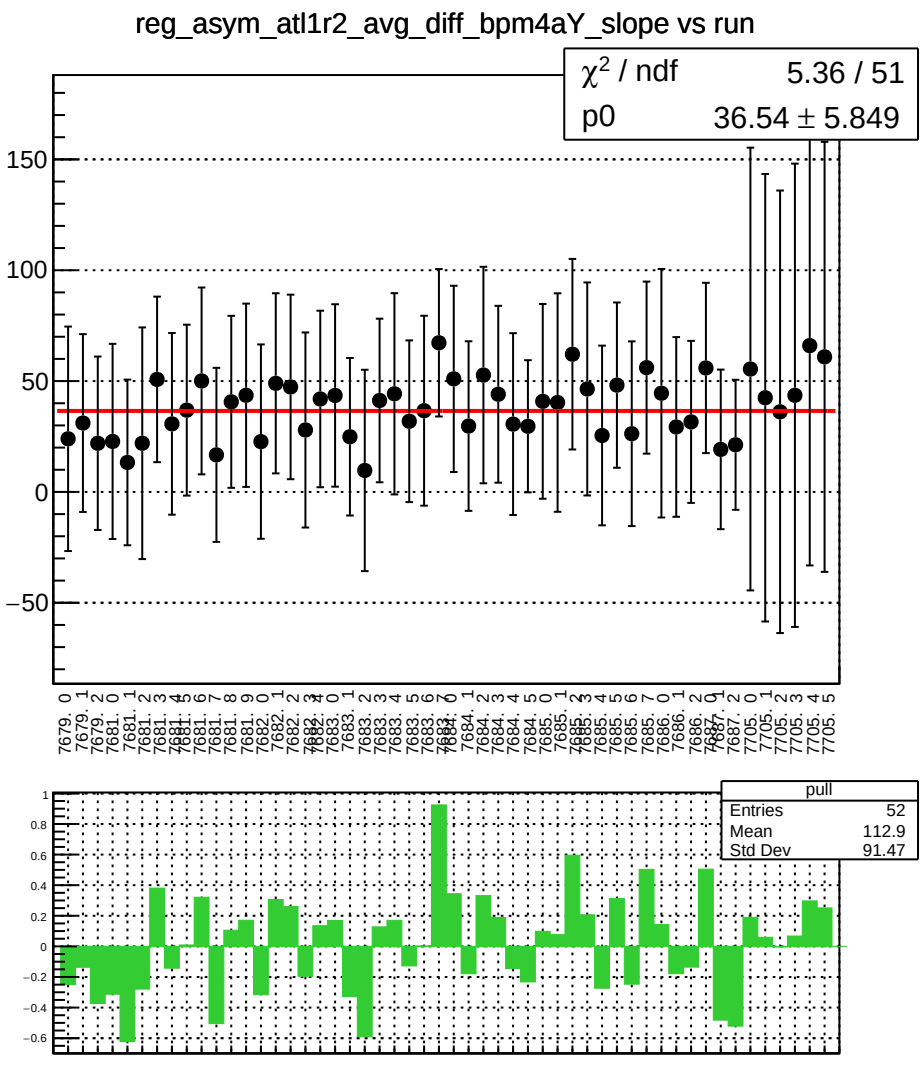

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.81 / 51
p0 −27.03 ± 4.763
100
50
0
−50
−100
pull
Entries 52
Mean 55.86
Std Dev 32.38
1.5
1
0.5
0
−0.5
−1
−1.5

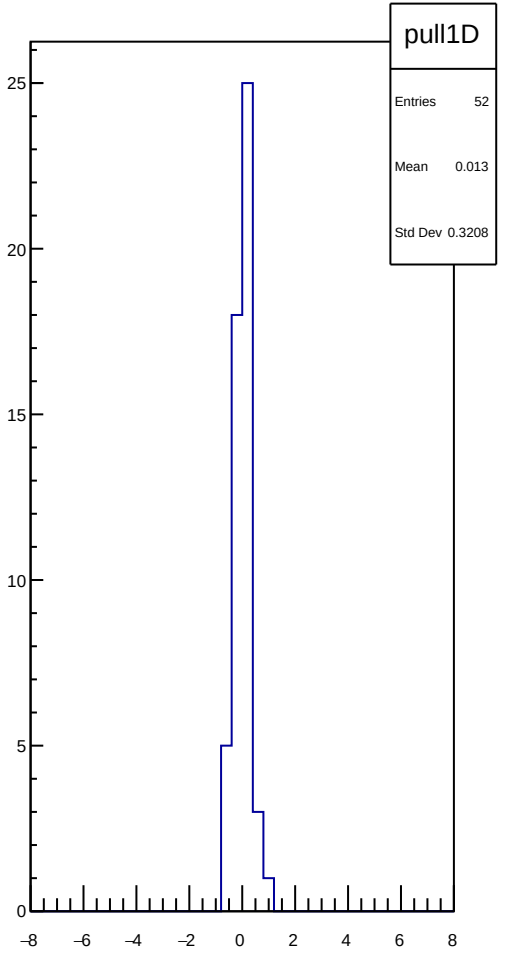

pull1D
Entries 52
Mean 0.02701
Std Dev 0.6321
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

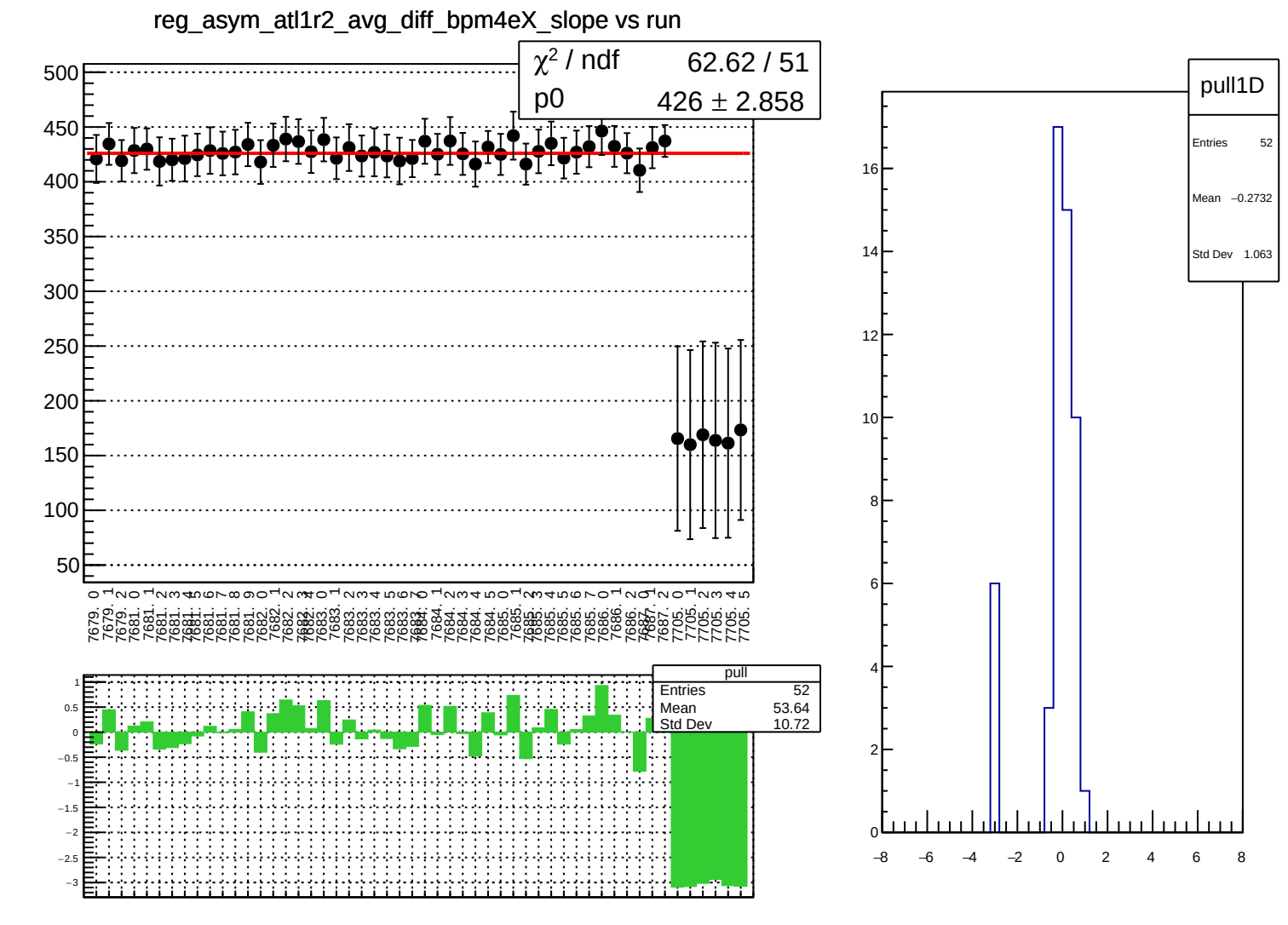

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 100.2 / 51
p0 3.983 ± 0.2226
pull
Entries 52
Mean −72.93
Std Dev 103.4

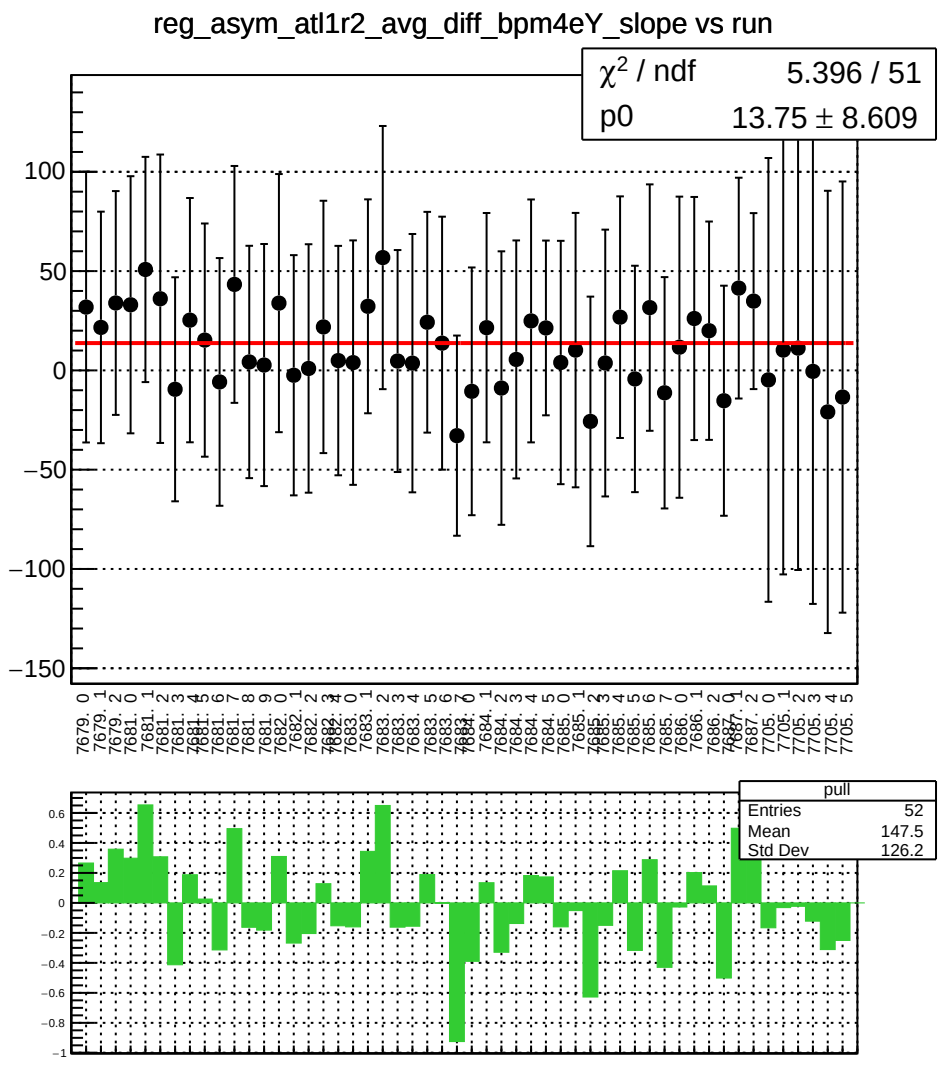

pull1D
Entries 52
Mean 0.1096
Std Dev 1.384

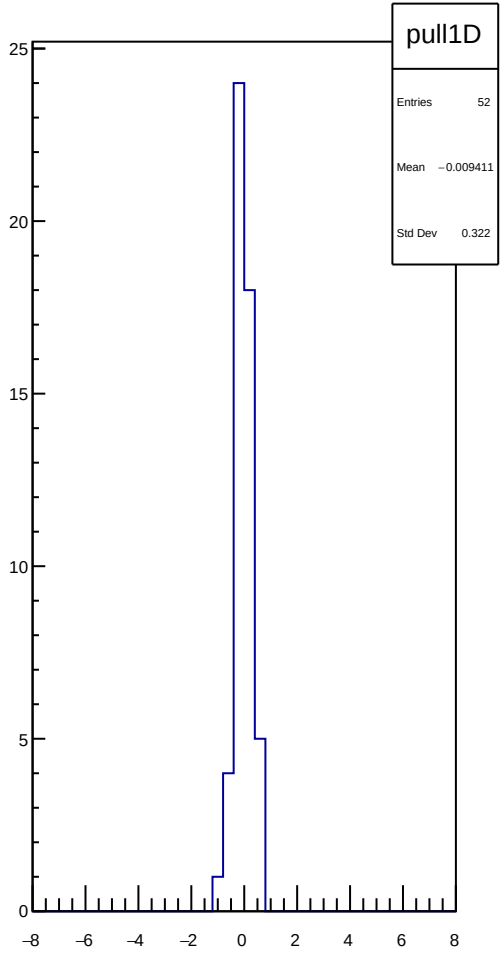

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 59.31 / 51
p0 −378.7 ± 3.543
pull
Entries 52
Mean 54.35
Std Dev 11.43
pull1D
Entries 52
Mean 0.2544
Std Dev 1.037

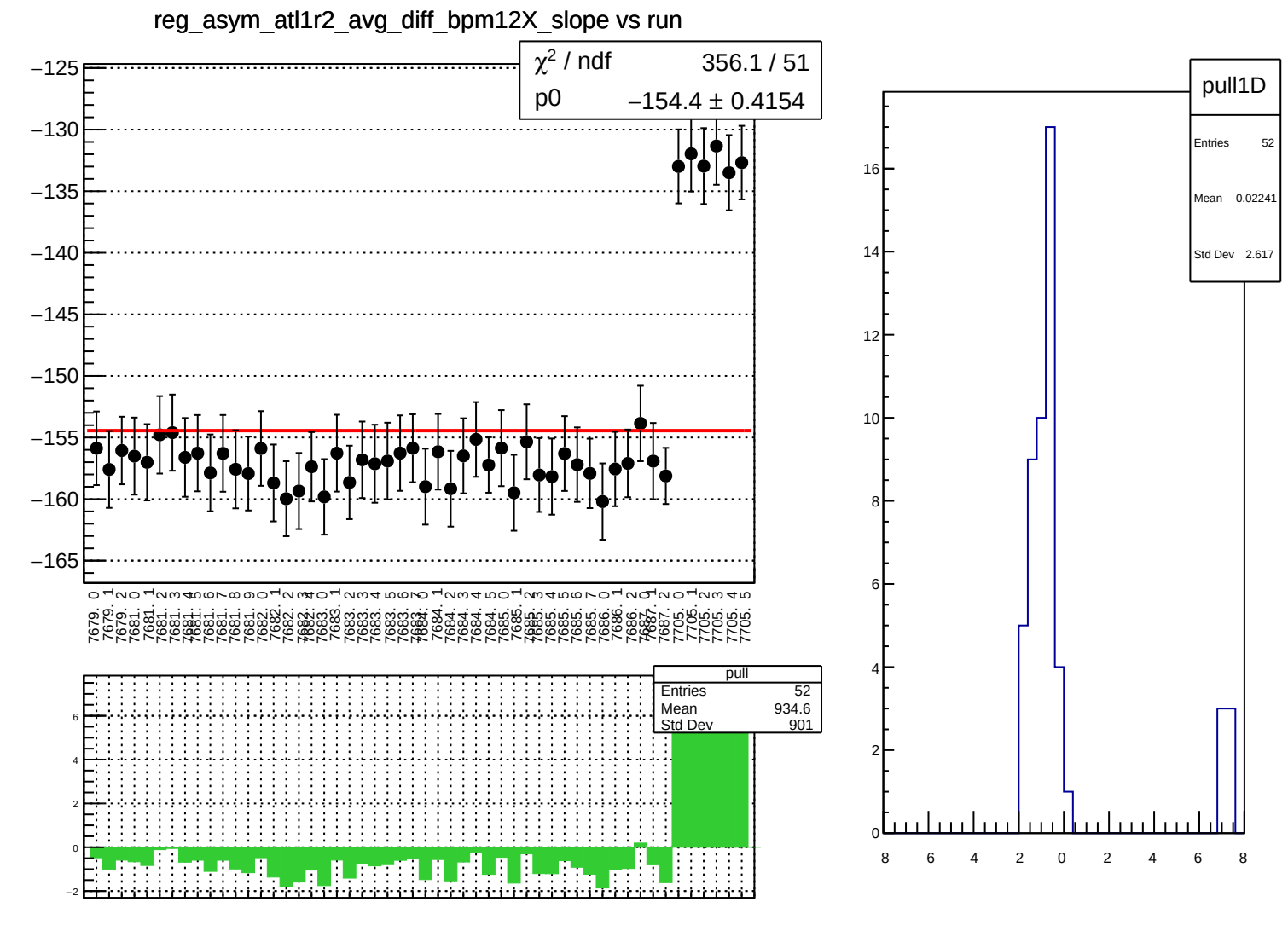

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.36 / 51
p0 36.54 ± 5.849
150
100
50
0
−50
pull
Entries 52
Mean 112.9
Std Dev 91.47
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

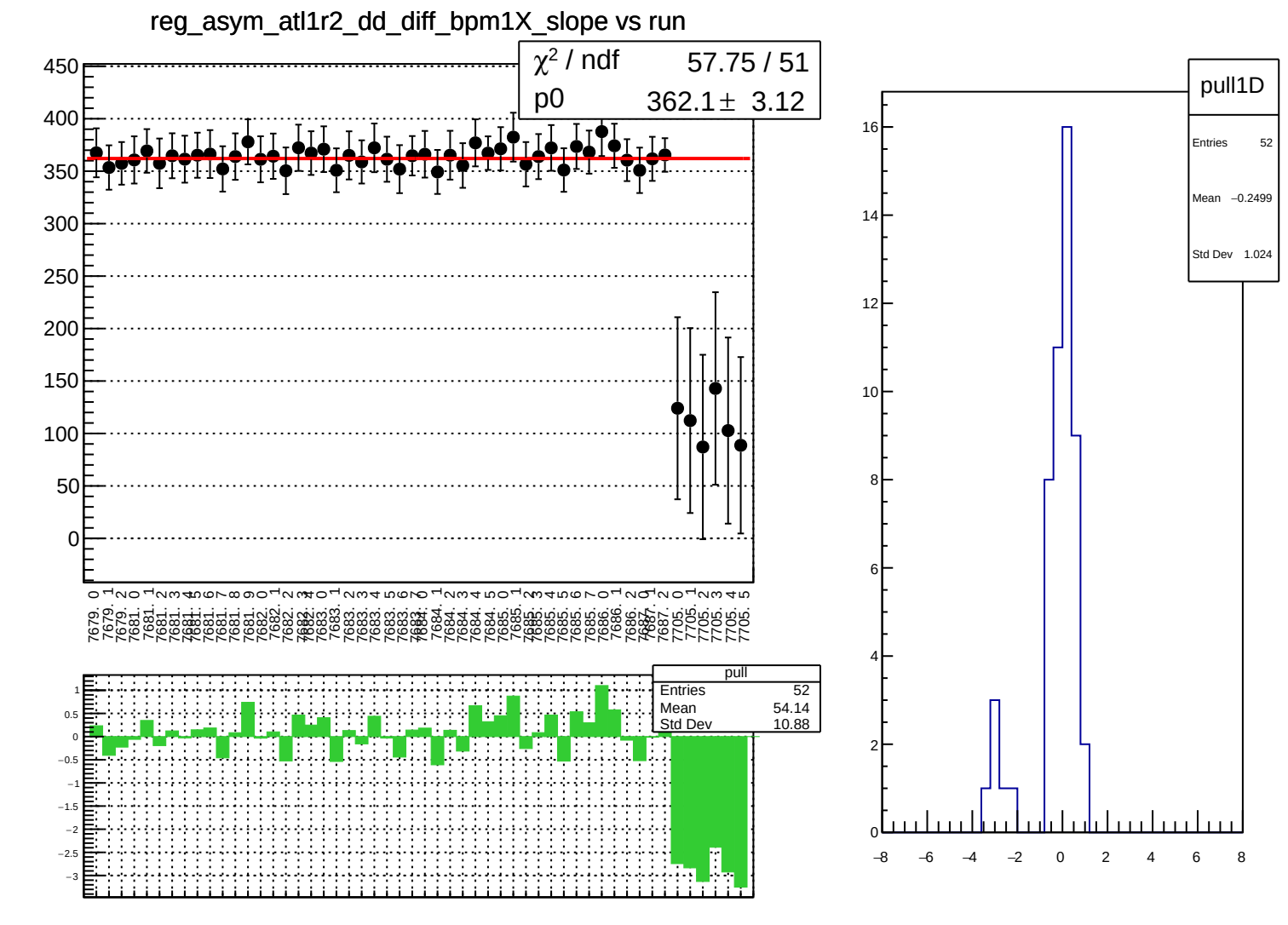

pull1D
Entries 52
Mean 0.013
Std Dev 0.3208
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

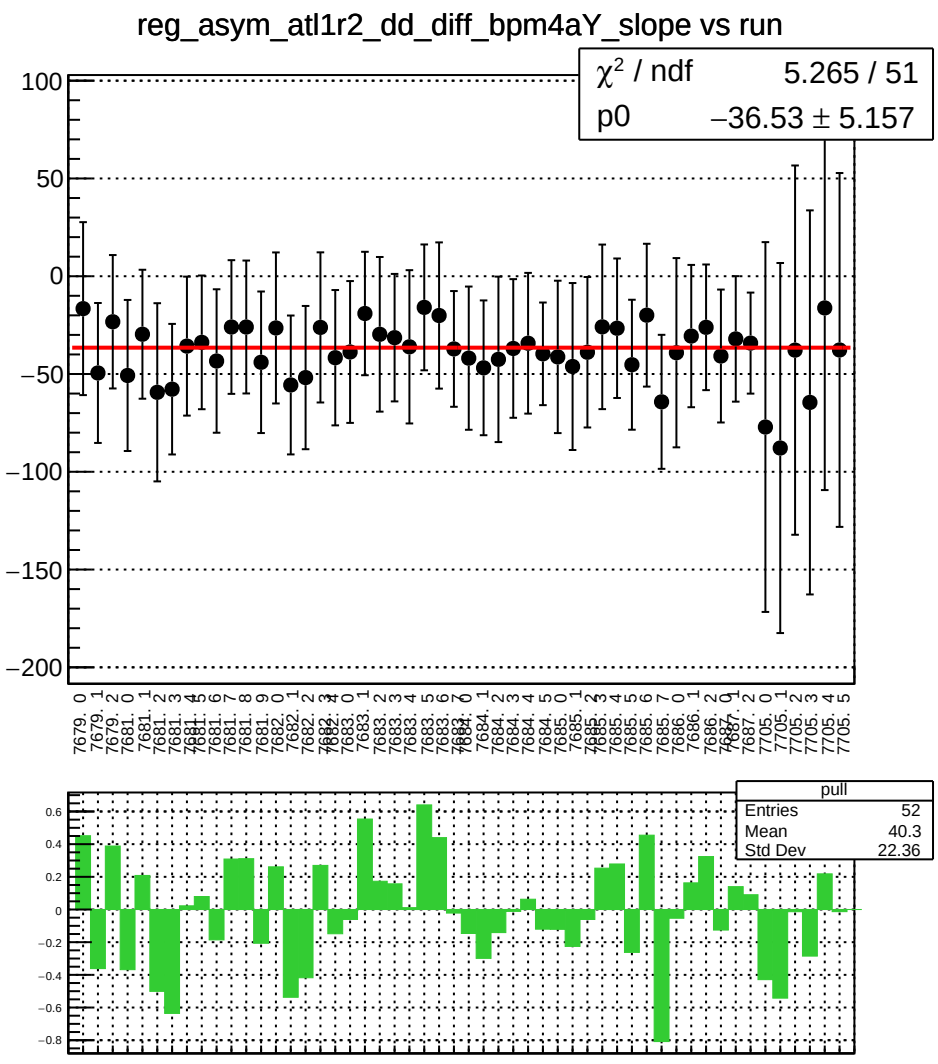

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.62 / 51
p0 426 ± 2.858
pull
Entries 52
Mean 53.64
Std Dev 10.72
pull1D
Entries 52
Mean −0.2732
Std Dev 1.063

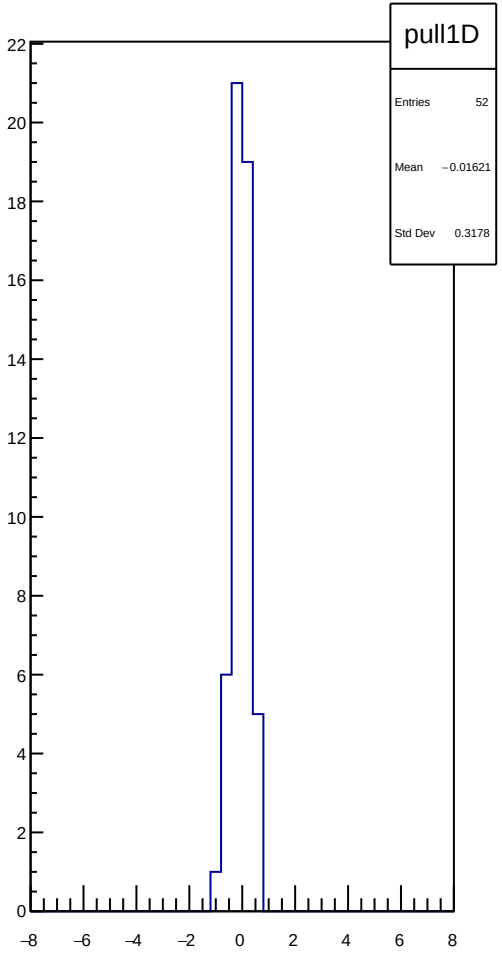

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.396 / 51
p0 13.75 ± 8.609
pull
Entries 52
Mean 147.5
Std Dev 126.2

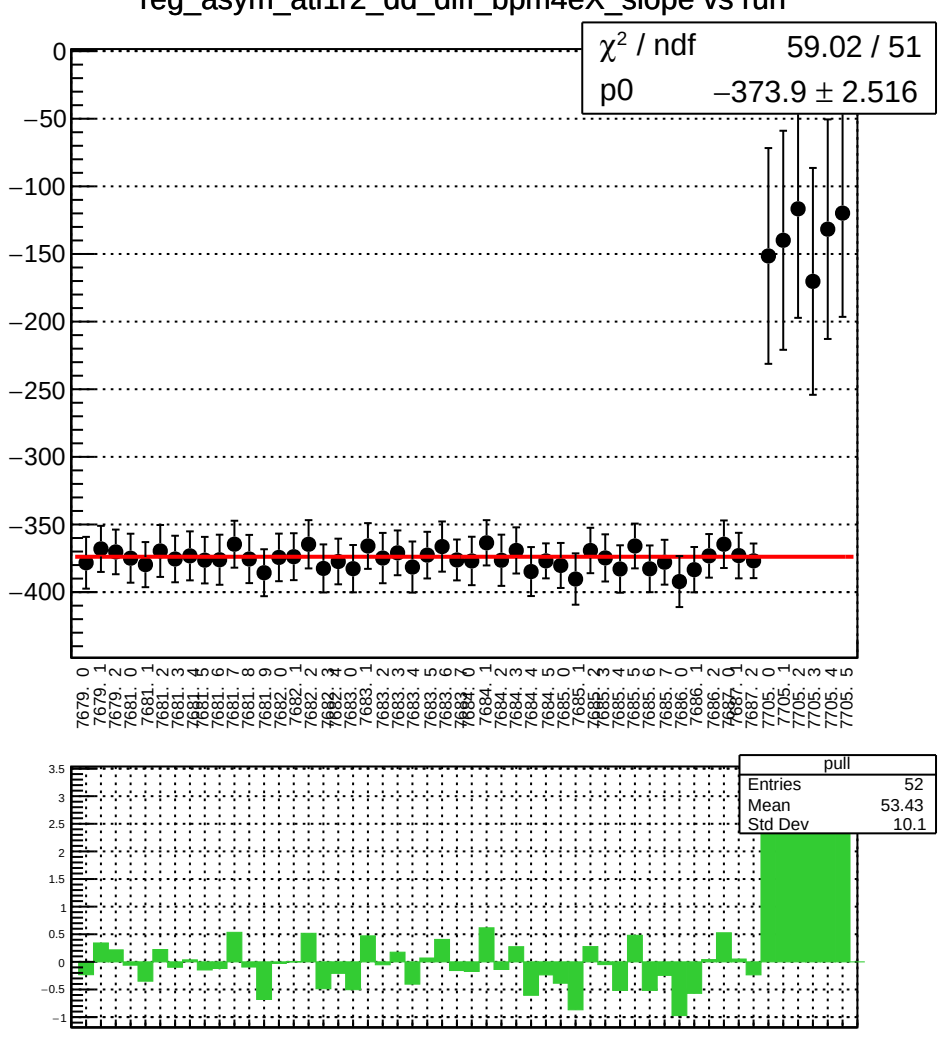

pull1D
Entries 52
Mean −0.009411
Std Dev 0.322

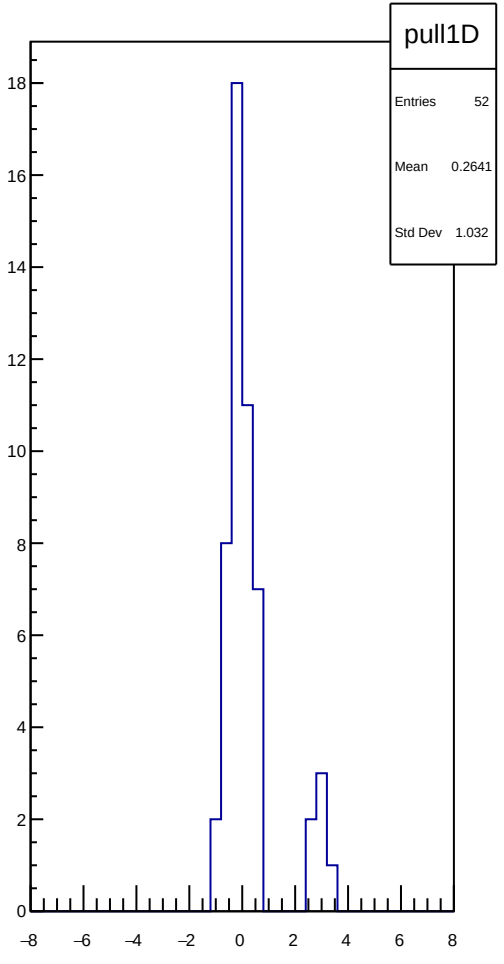

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 356.1 / 51
p0 −154.4 ± 0.4154
pull
Entries 52
Mean 934.6
Std Dev 901
pull1D
Entries 52
Mean 0.02241
Std Dev 2.617

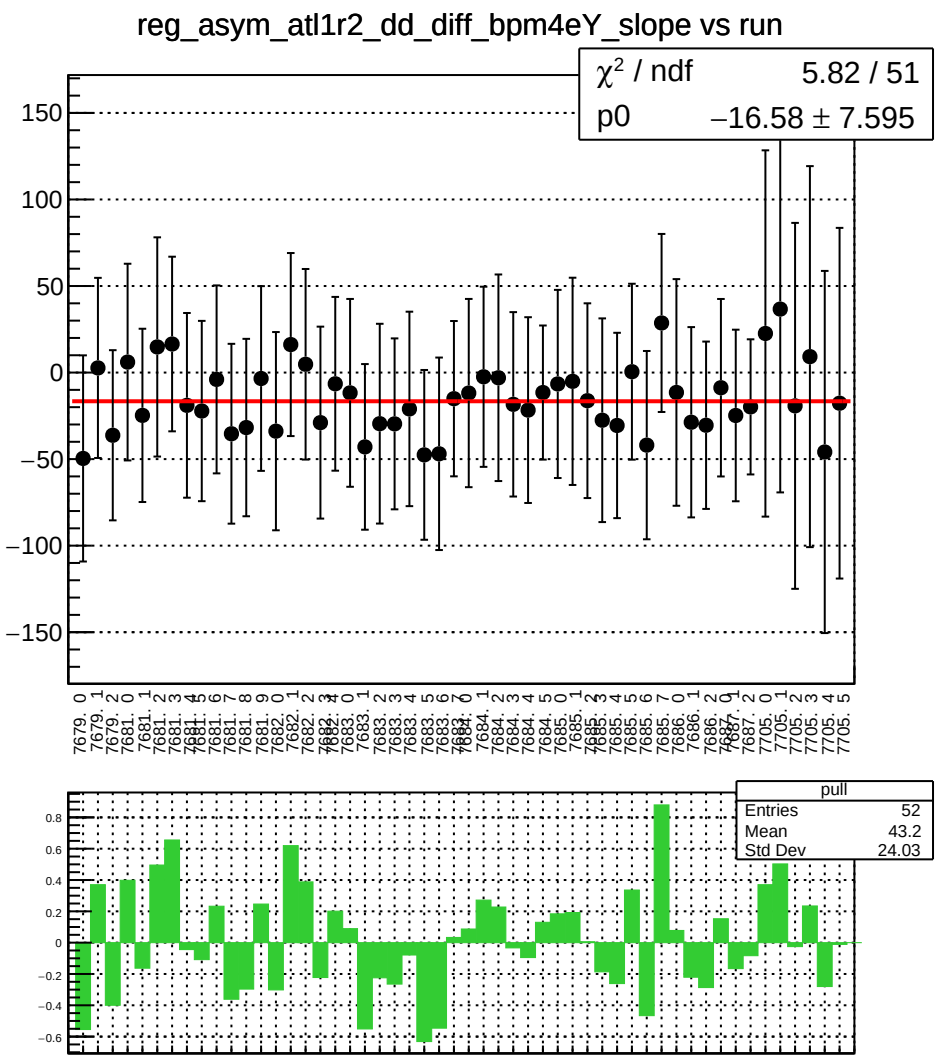

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 57.75 / 51
p0 362.1 ± 3.12
pull
Entries 52
Mean 54.14
Std Dev 10.88
pull1D
Entries 52
Mean −0.2499
Std Dev 1.024

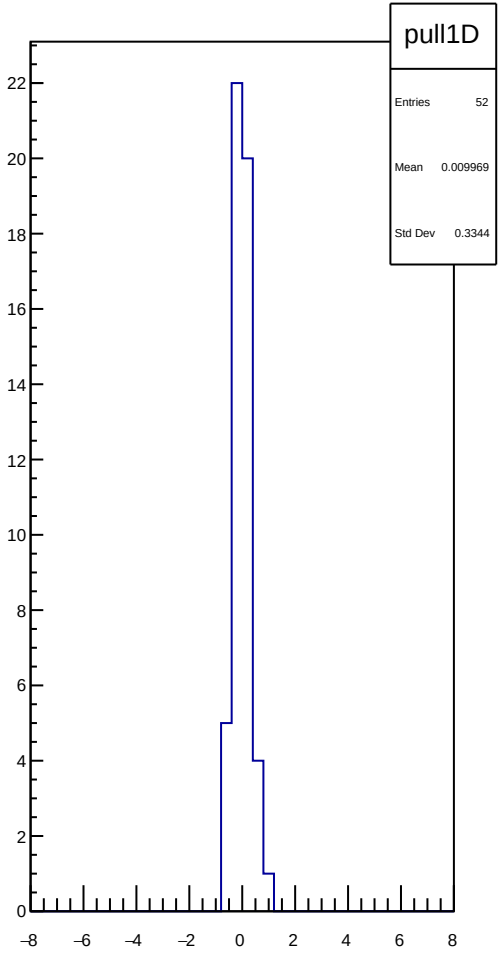

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.265 / 51
p0 −36.53 ± 5.157
pull
Entries 52
Mean 40.3
Std Dev 22.36

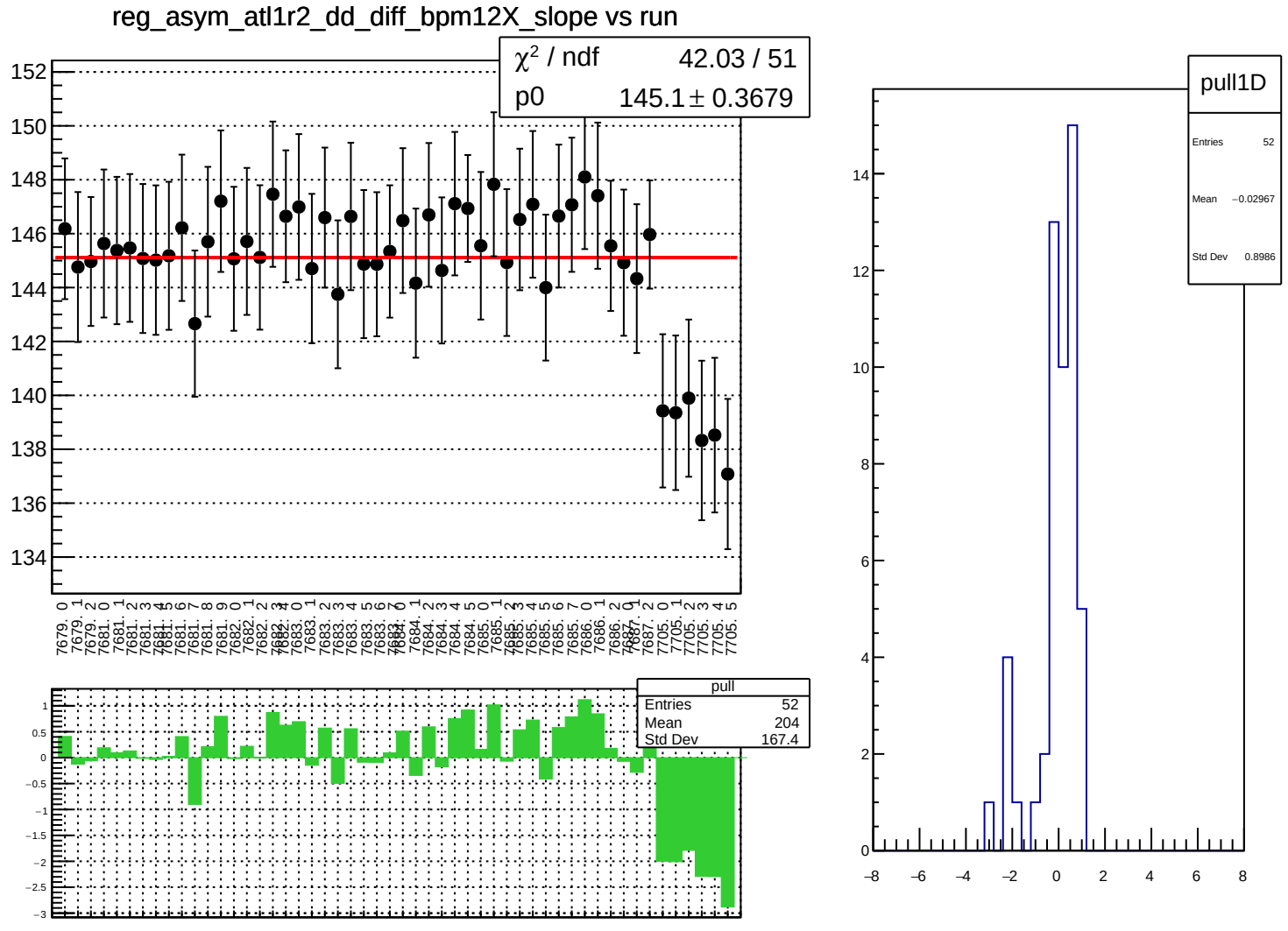

pull1D
Entries 52
Mean −0.01621
Std Dev 0.3178

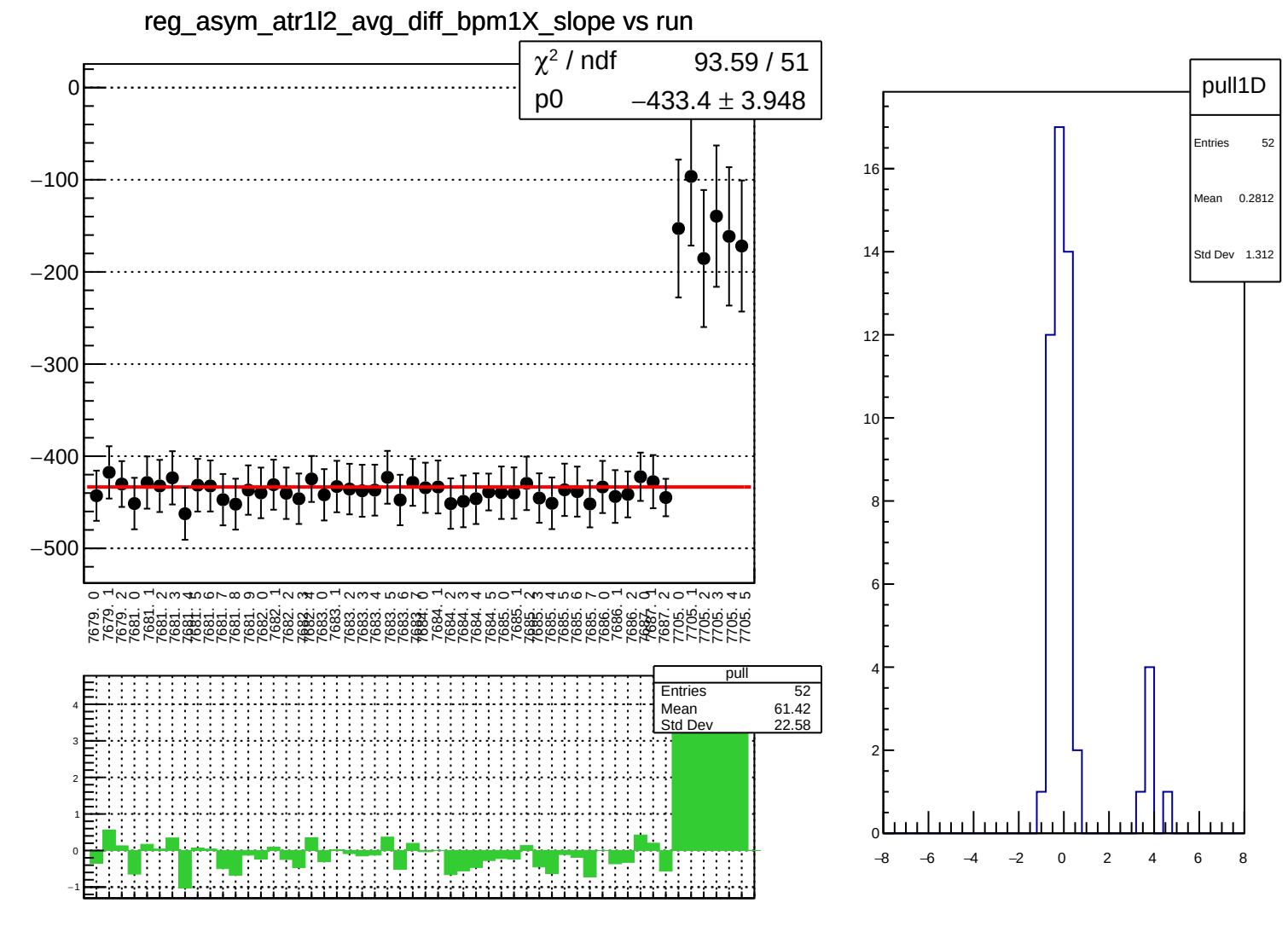

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.02 / 51
p0 −373.9 ± 2.516
pull
Entries 52
Mean 53.43
Std Dev 10.1

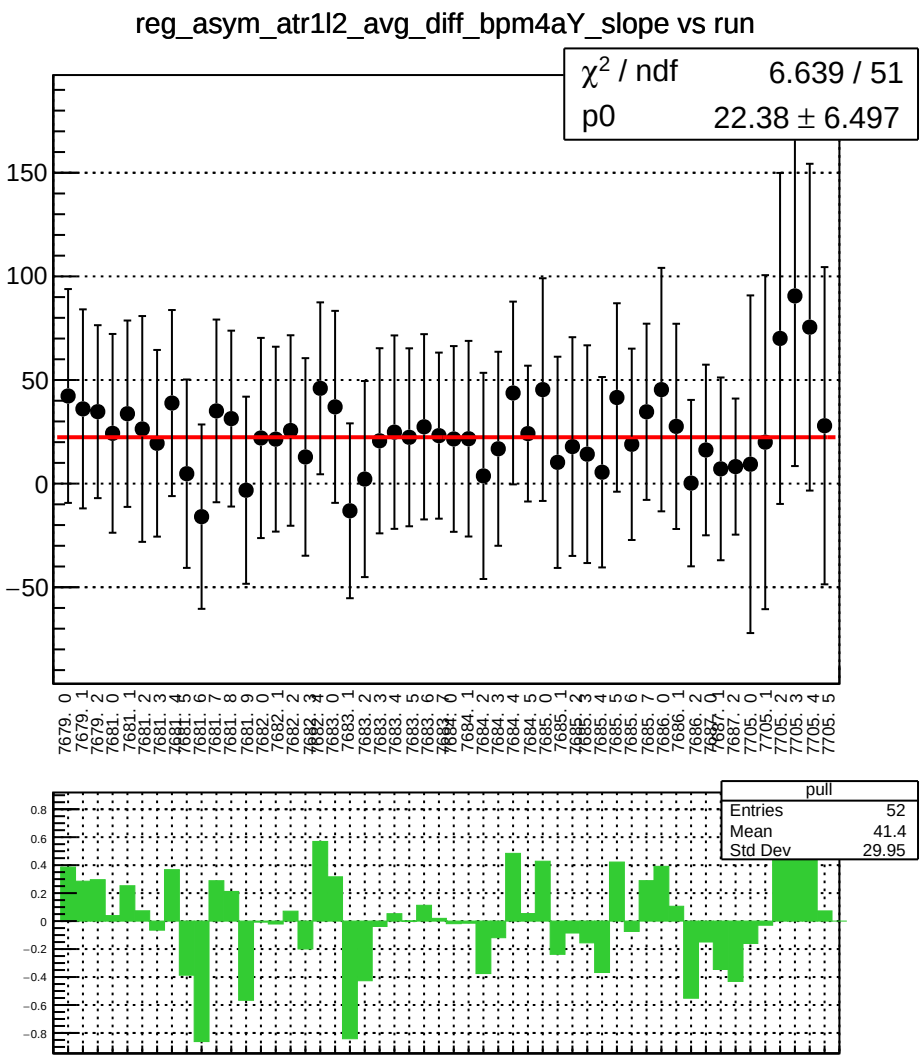

pull1D
Entries 52
Mean 0.2641
Std Dev 1.032

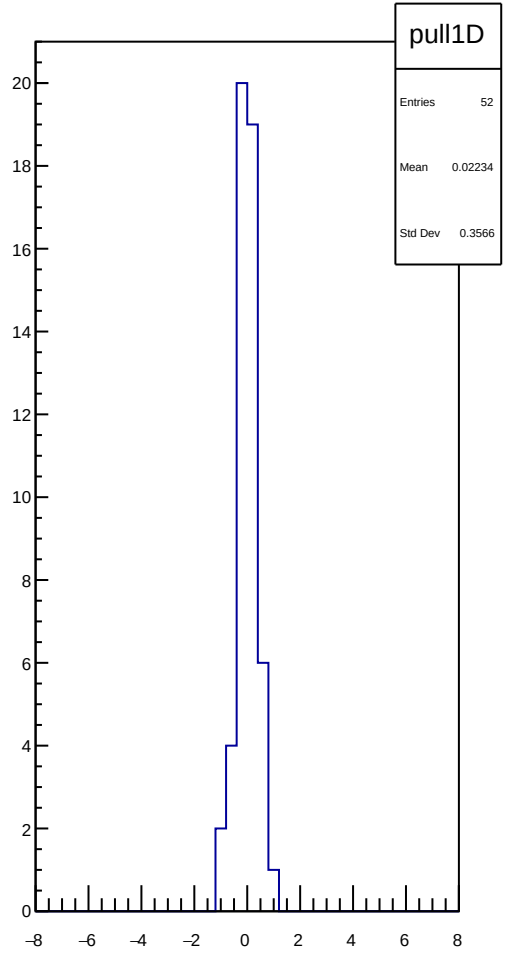

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.82 / 51
p0 −16.58 ± 7.595
pull
Entries 52
Mean 43.2
Std Dev 24.03

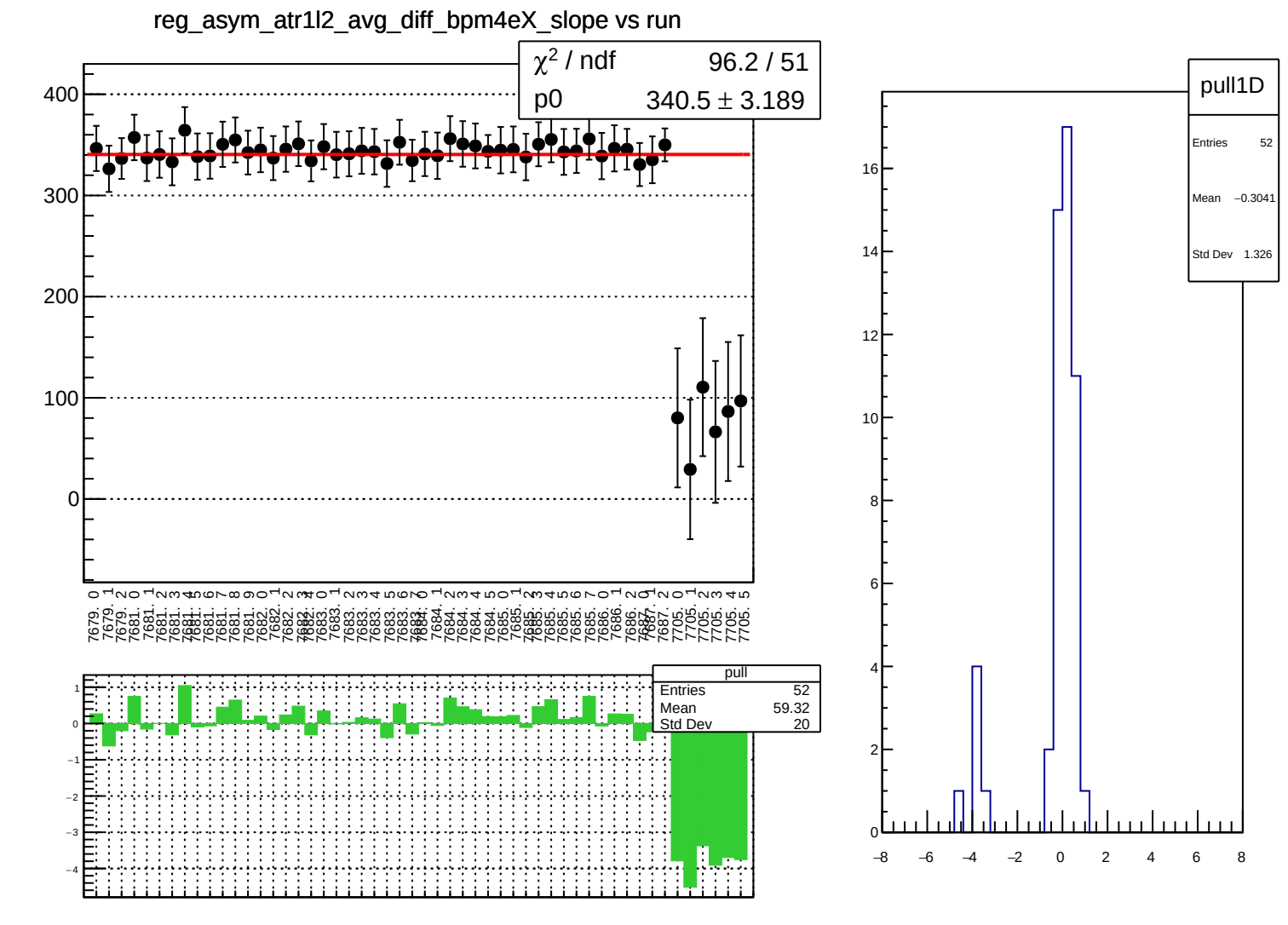

pull1D
Entries 52
Mean 0.009969
Std Dev 0.3344

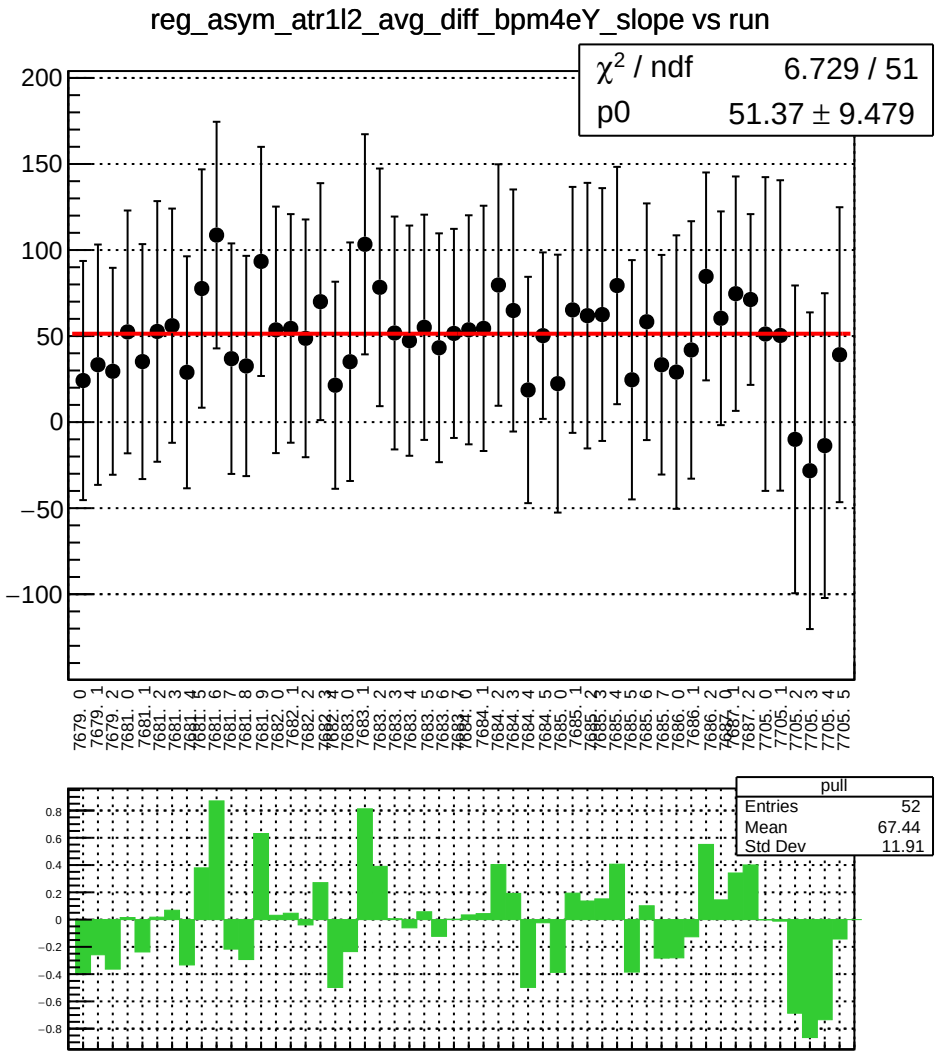

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 42.03 / 51
p0 145.1 ± 0.3679
pull
Entries 52
Mean 204
Std Dev 167.4
pull1D
Entries 52
Mean −0.02967
Std Dev 0.8986

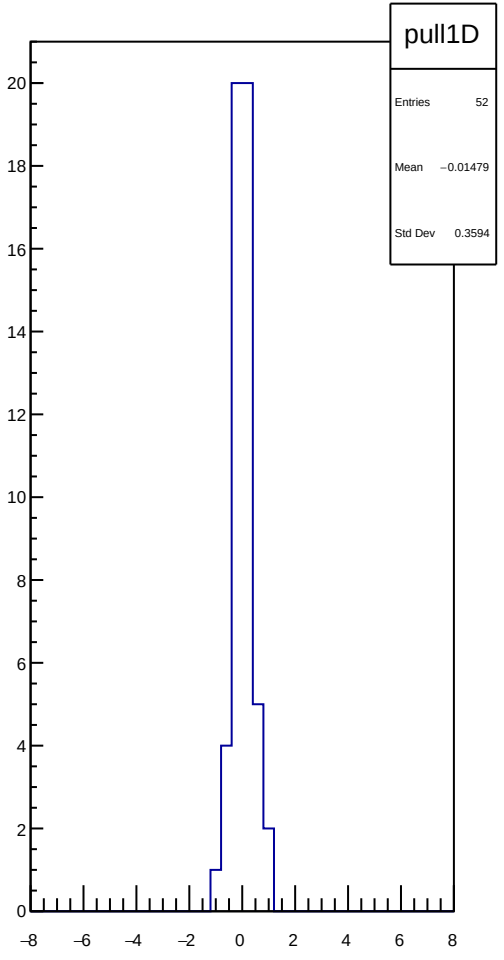

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 93.59 / 51
p0 −433.4 ± 3.948
pull
Entries 52
Mean 61.42
Std Dev 22.58
pull1D
Entries 52
Mean 0.2812
Std Dev 1.312

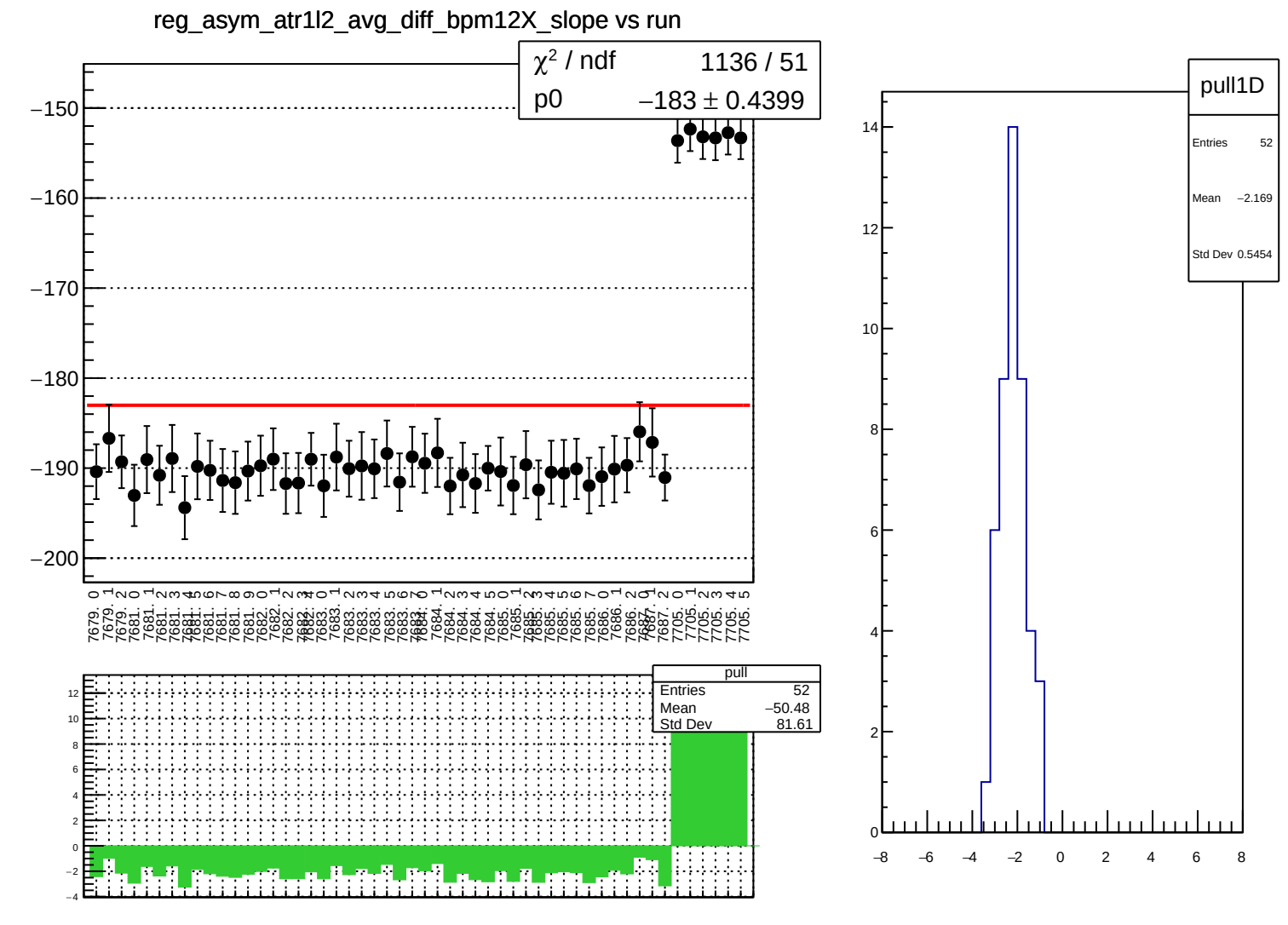

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.639 / 51
p0 22.38 ± 6.497
150
100
50
0
−50
pull
Entries 52
Mean 41.4
Std Dev 29.95
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

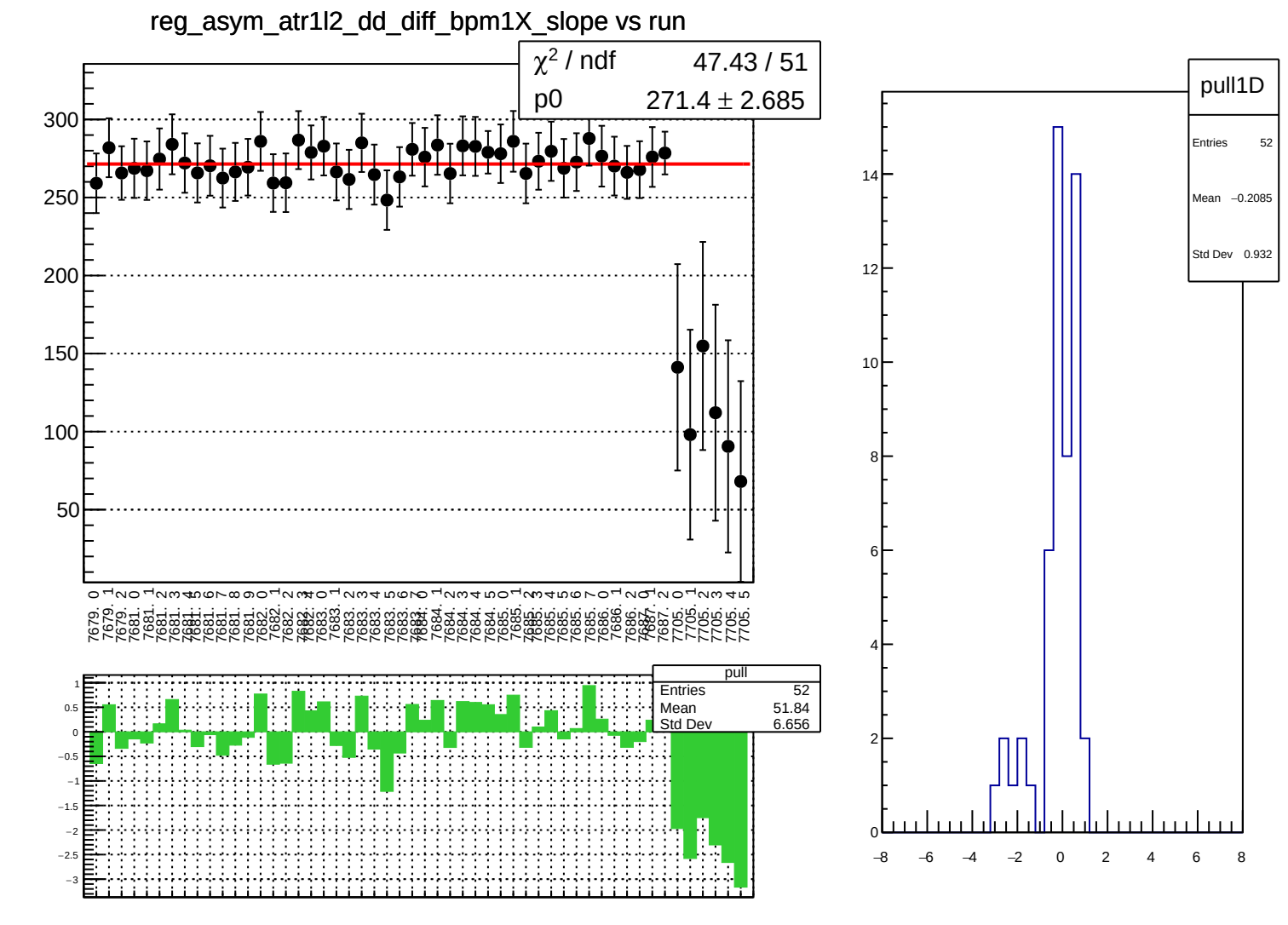

pull1D
Entries 52
Mean 0.02234
Std Dev 0.3566
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

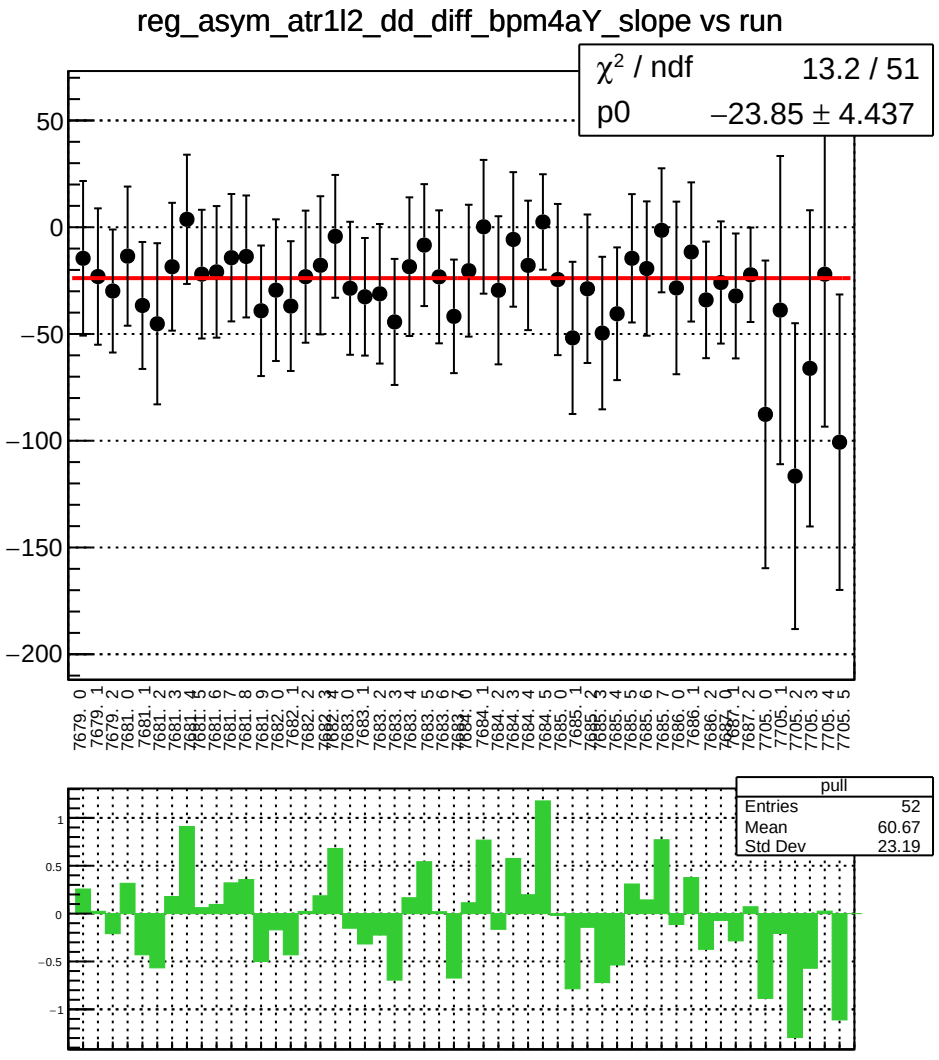

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 96.2 / 51
p0 340.5 ± 3.189
pull
Entries 52
Mean 59.32
Std Dev 20
pull1D
Entries 52
Mean −0.3041
Std Dev 1.326

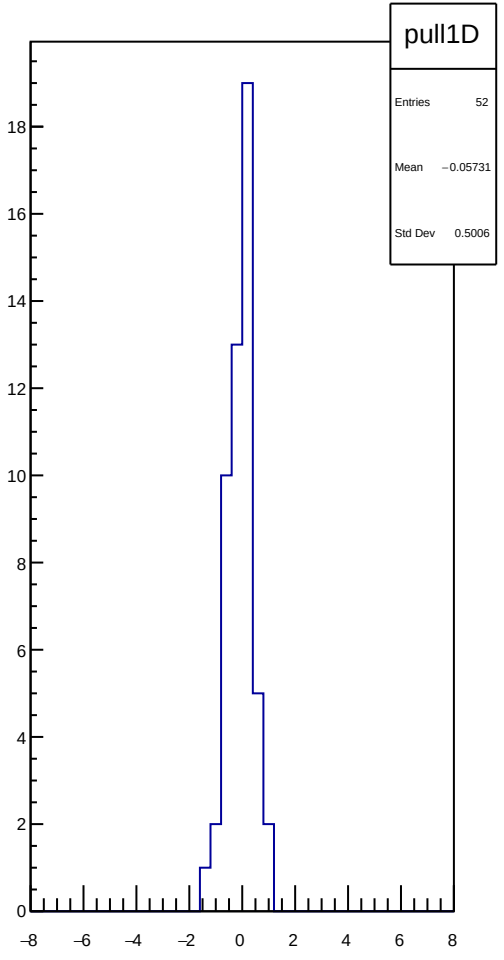

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.729 / 51
p0 51.37 ± 9.479
pull
Entries 52
Mean 67.44
Std Dev 11.91

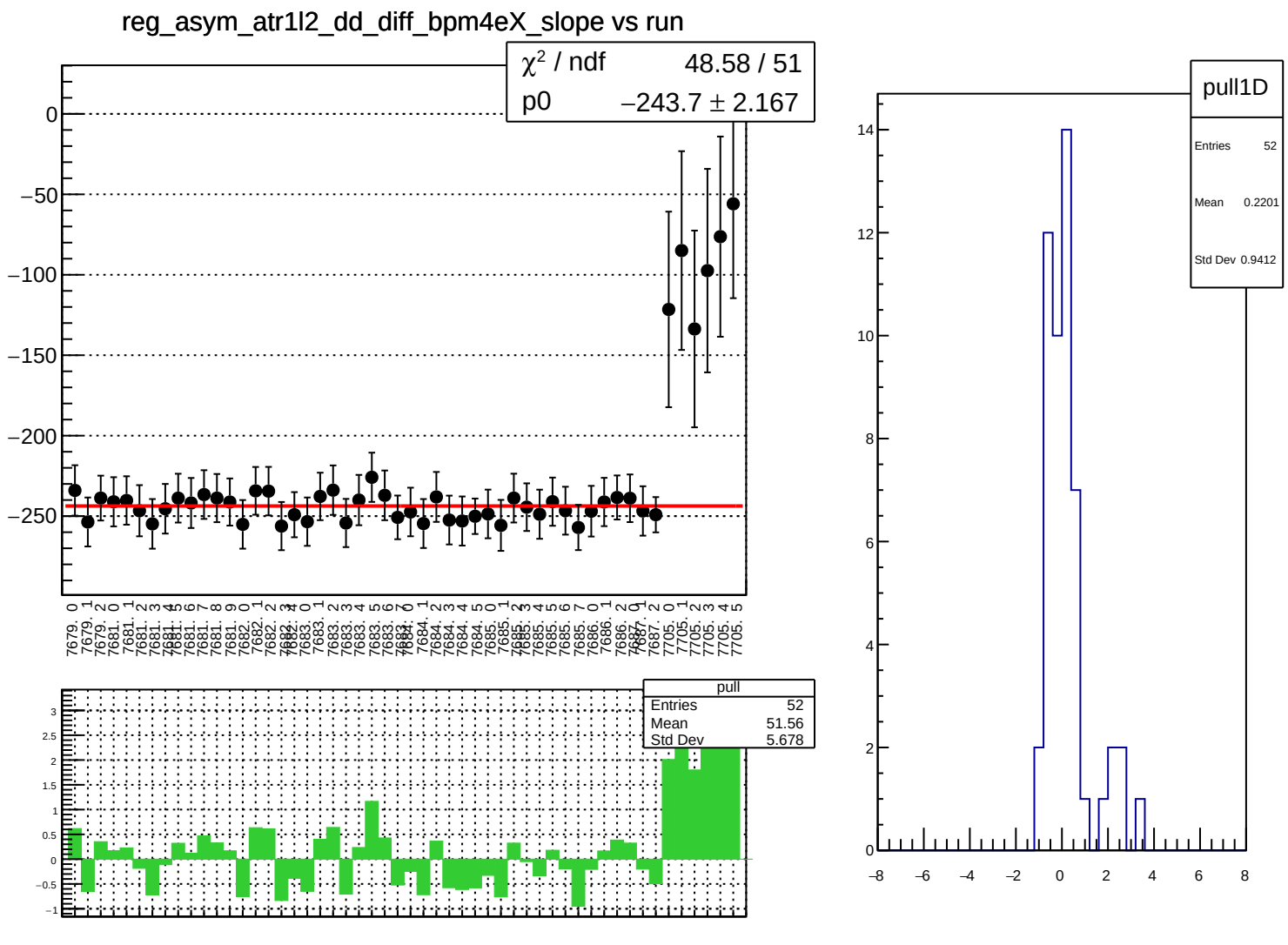

pull1D
Entries 52
Mean −0.01479
Std Dev 0.3594

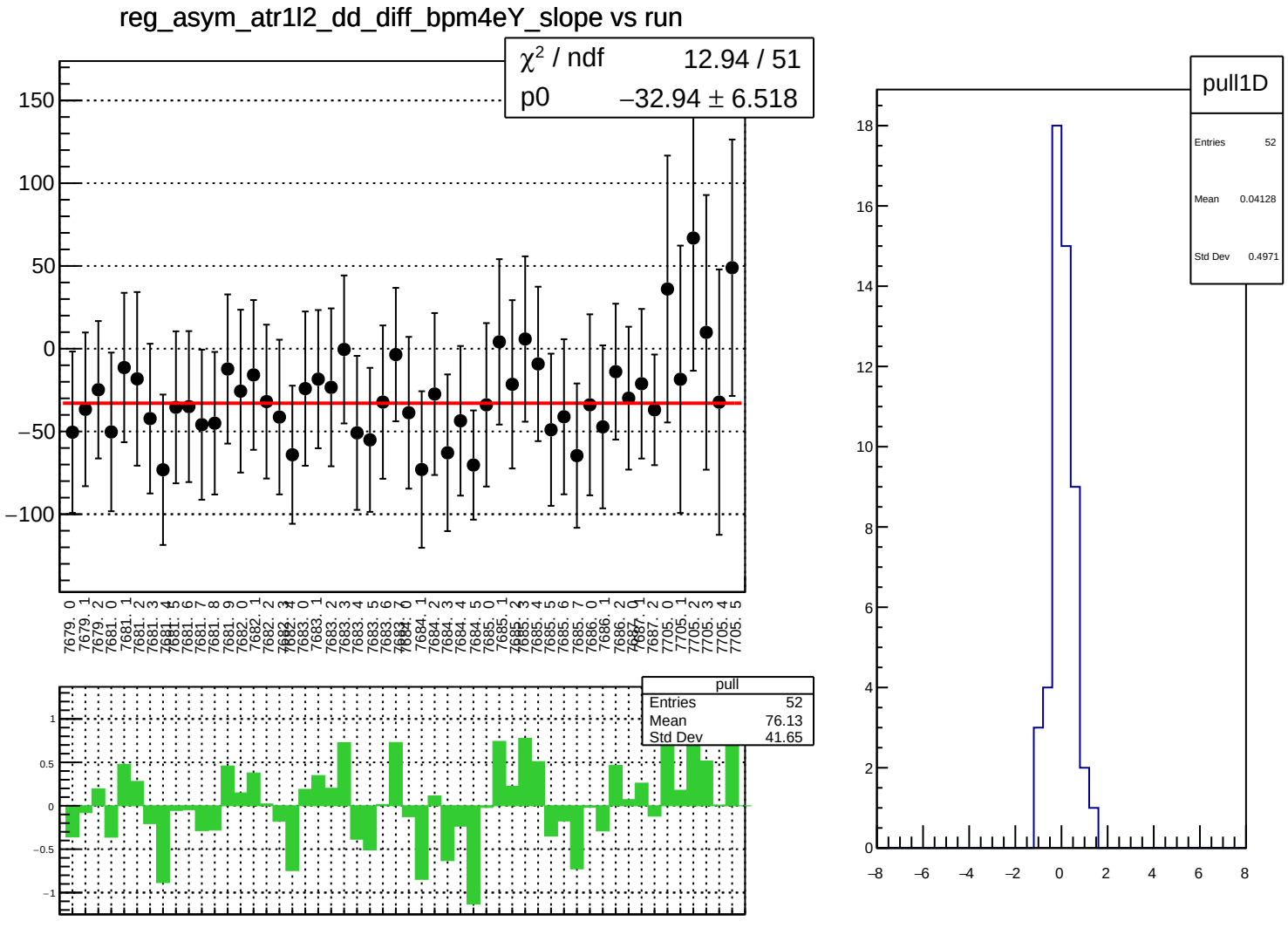

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 1136 / 51
p0 −183 ± 0.4399
pull
Entries 52
Mean −50.48
Std Dev 81.61
pull1D
Entries 52
Mean −2.169
Std Dev 0.5454

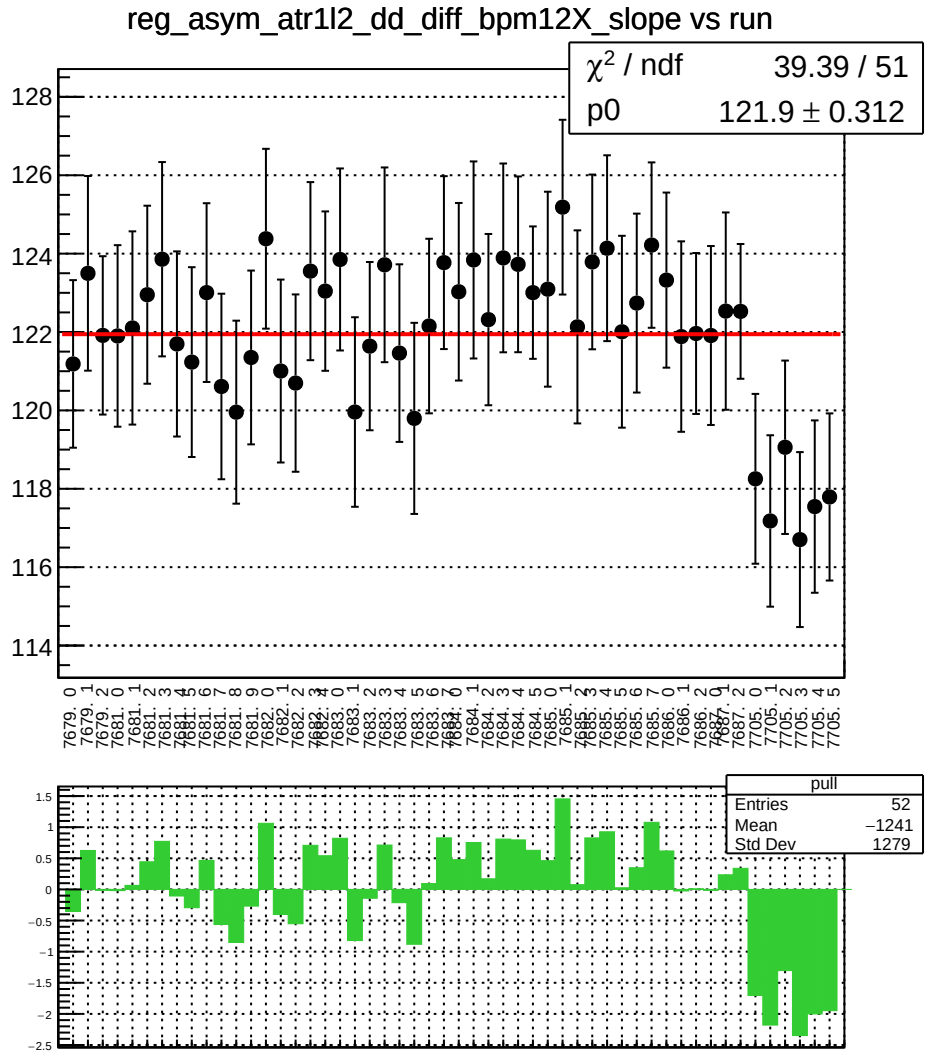

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 47.43 / 51
p0 271.4 ± 2.685
pull
Entries 52
Mean 51.84
Std Dev 6.656
pull1D
Entries 52
Mean −0.2085
Std Dev 0.932

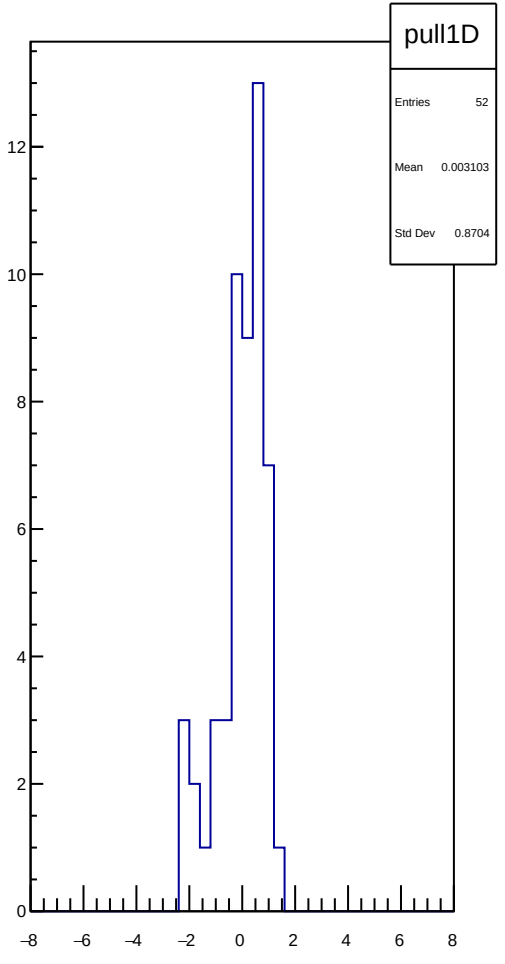

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.2 / 51
p0 −23.85 ± 4.437
pull
Entries 52
Mean 60.67
Std Dev 23.19

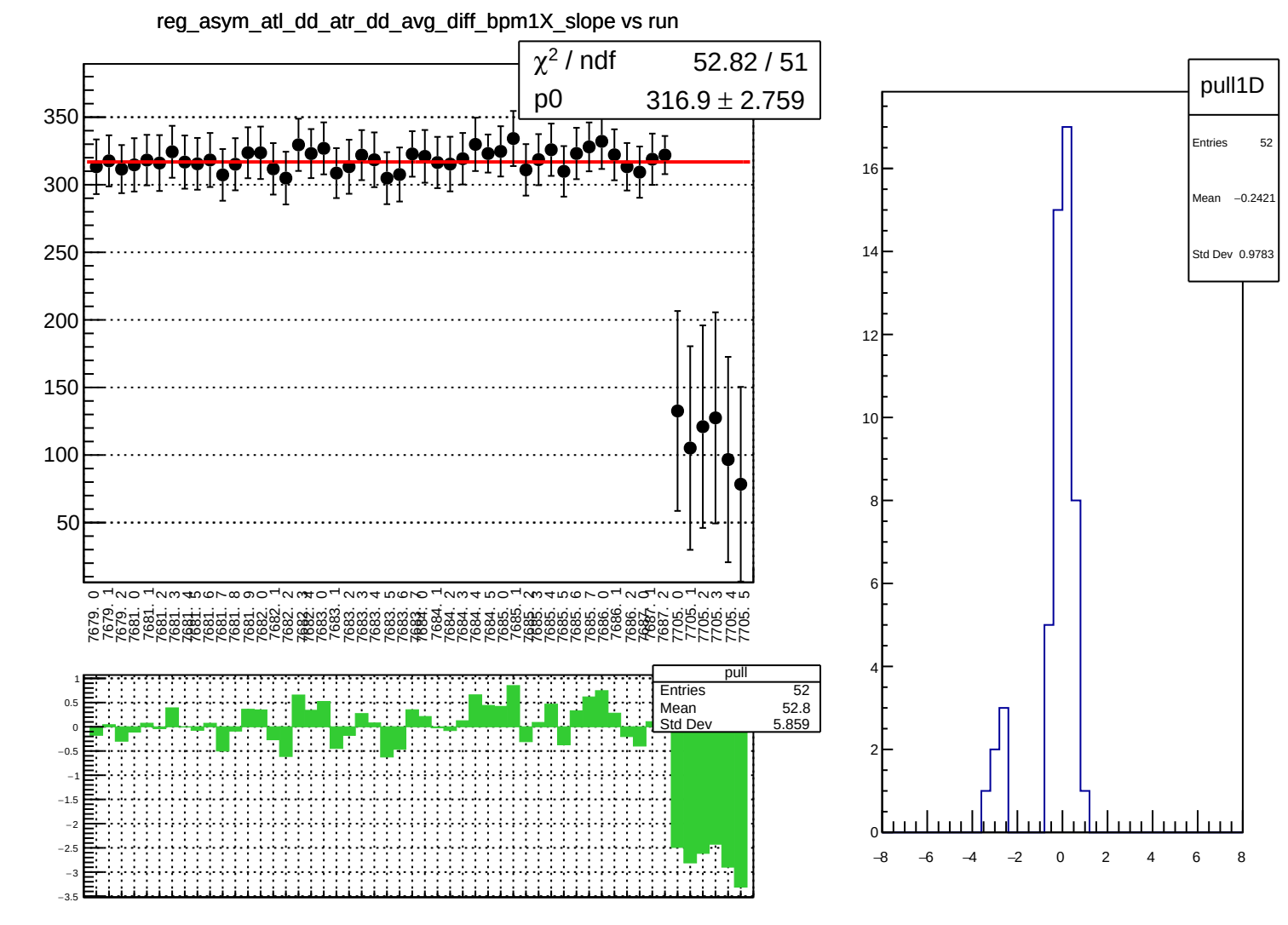

pull1D
Entries 52
Mean −0.05731
Std Dev 0.5006

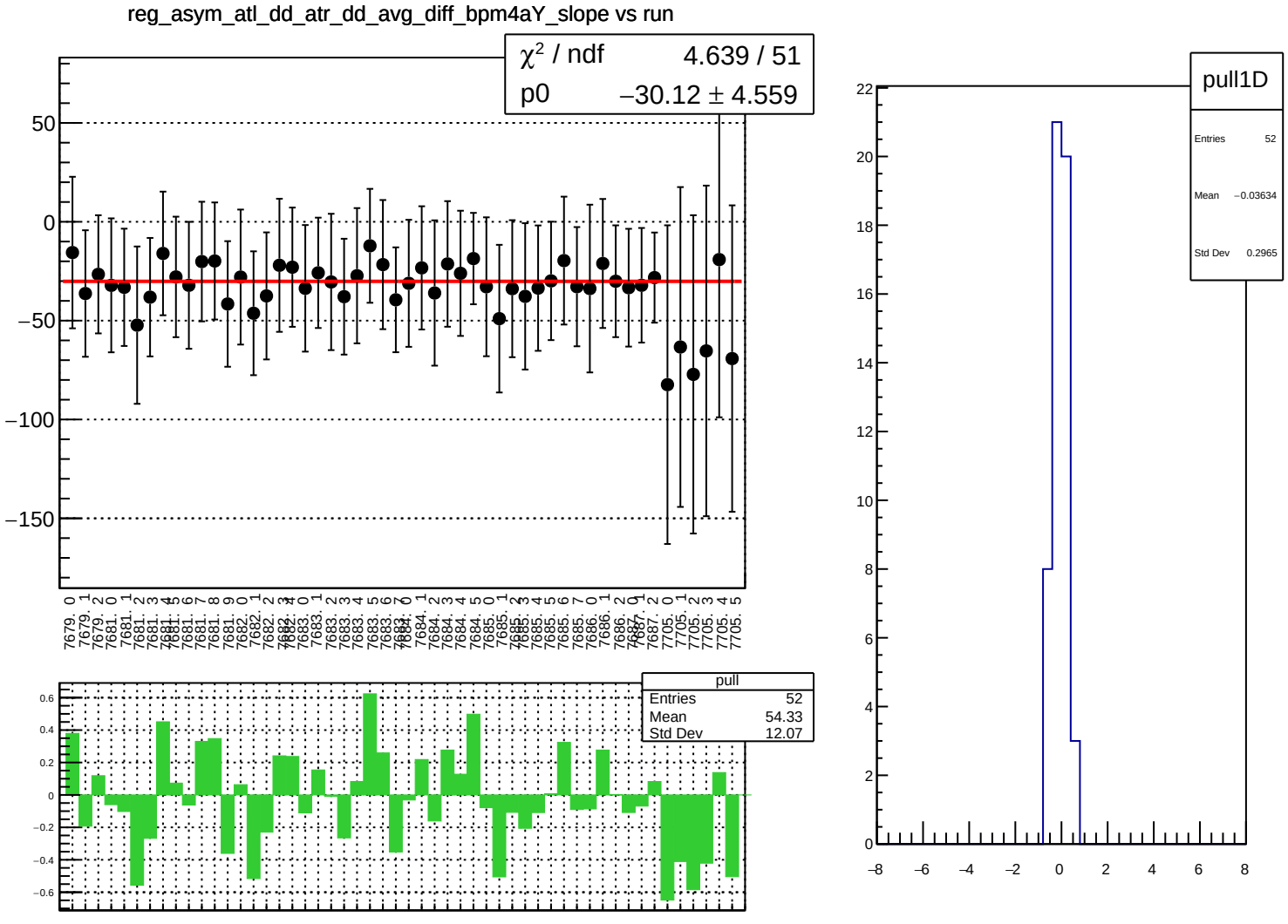

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.58 / 51
p0 −243.7 ± 2.167
pull
Entries 52
Mean 51.56
Std Dev 5.678
pull1D
Entries 52
Mean 0.2201
Std Dev 0.9412

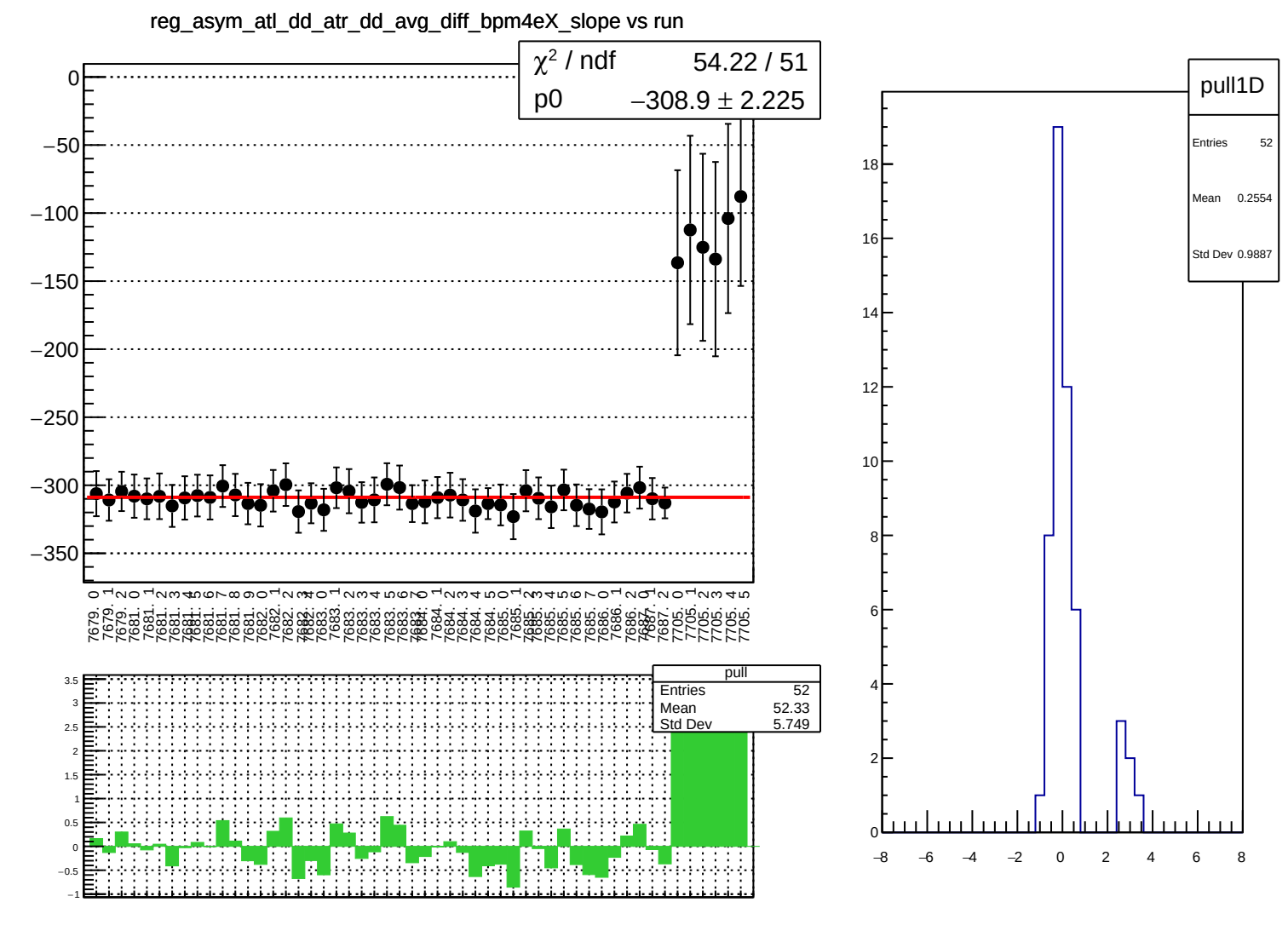

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.94 / 51
p0 −32.94 ± 6.518
150
100
50
0
−50
−100
pull
Entries 52
Mean 76.13
Std Dev 41.65
pull1D
Entries 52
Mean 0.04128
Std Dev 0.4971

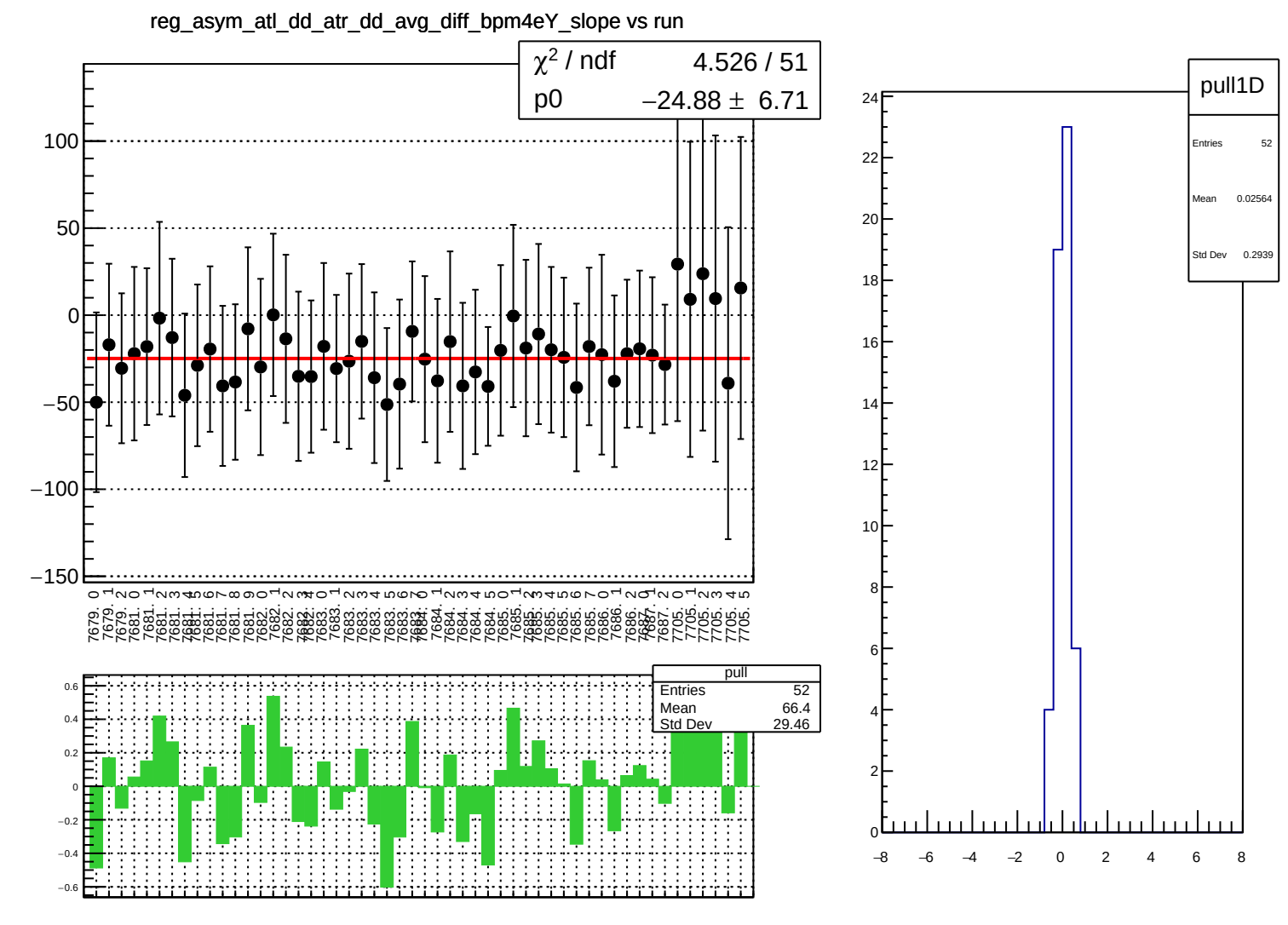

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 39.39 / 51
p0 121.9 ± 0.312
pull
Entries 52
Mean −1241
Std Dev 1279

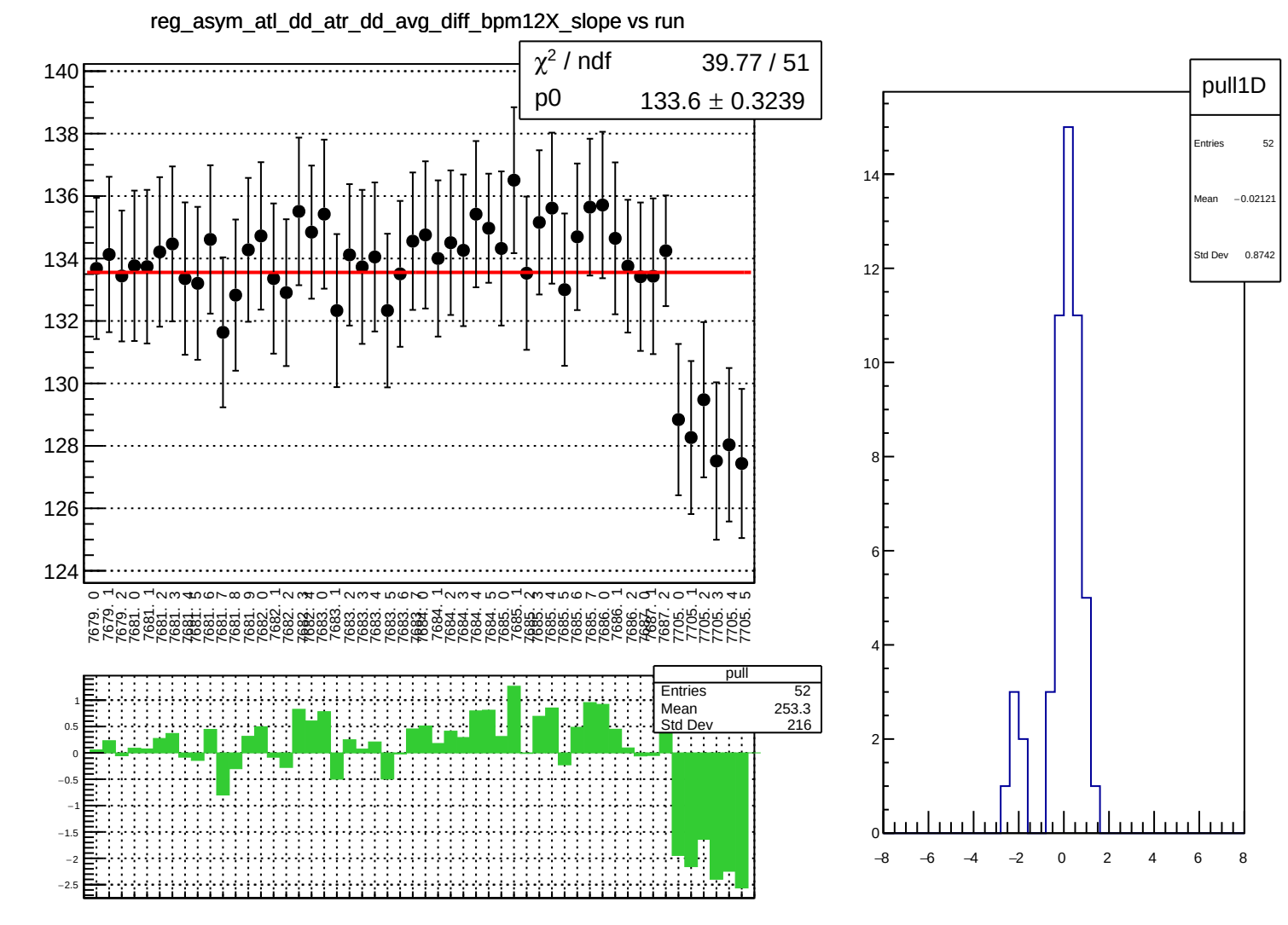

pull1D
Entries 52
Mean 0.003103
Std Dev 0.8704

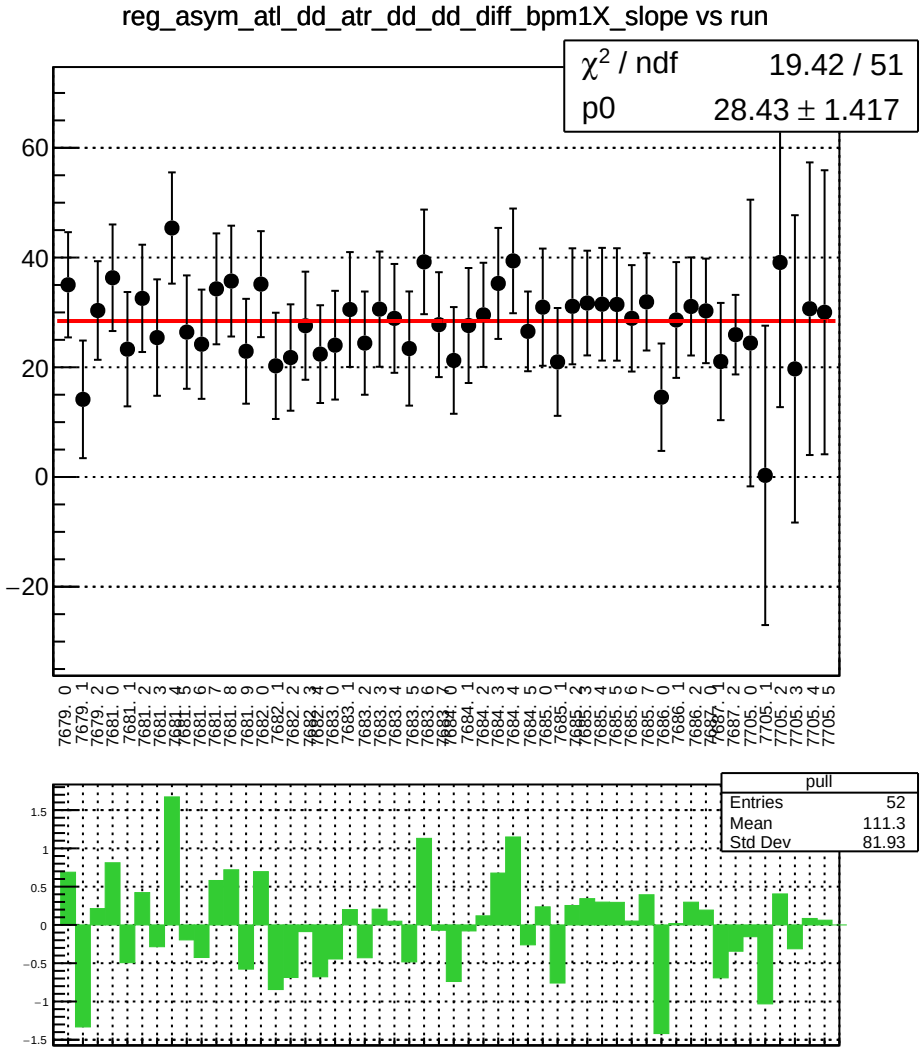

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 52.82 / 51
p0 316.9 ± 2.759
pull
Entries 52
Mean 52.8
Std Dev 5.859
pull1D
Entries 52
Mean −0.2421
Std Dev 0.9783

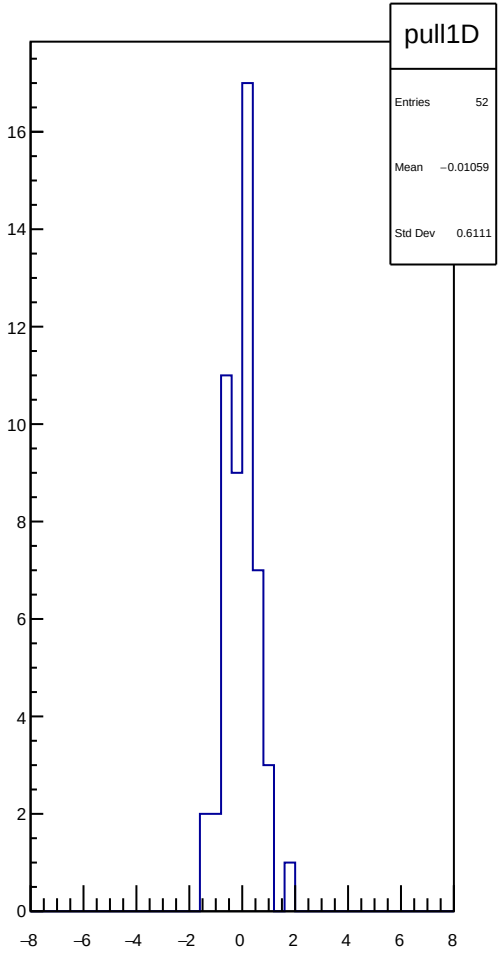

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.639 / 51
p0 −30.12 ± 4.559
50
0
−50
−100
−150
pull
Entries 52
Mean 54.33
Std Dev 12.07
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 52
Mean −0.03634
Std Dev 0.2965
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

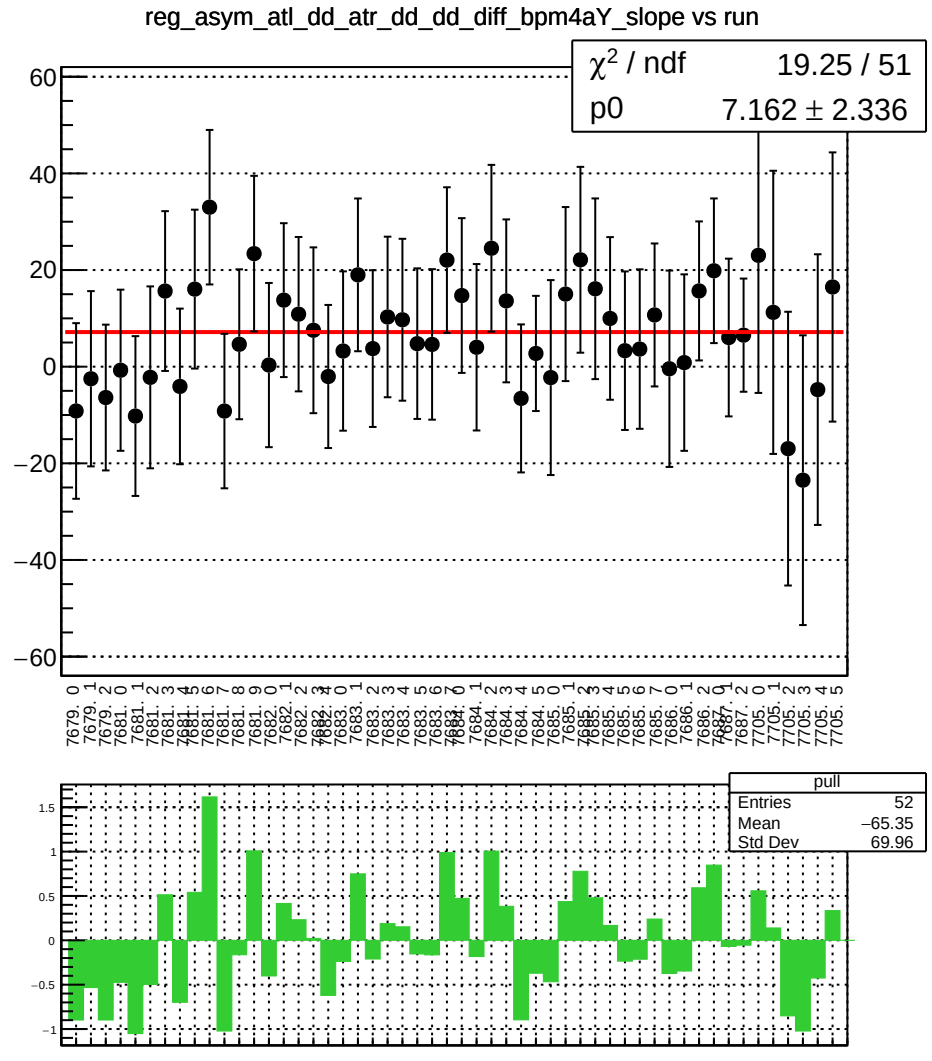

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.22 / 51
p0 −308.9 ± 2.225
pull
Entries 52
Mean 52.33
Std Dev 5.749
pull1D
Entries 52
Mean 0.2554
Std Dev 0.9887

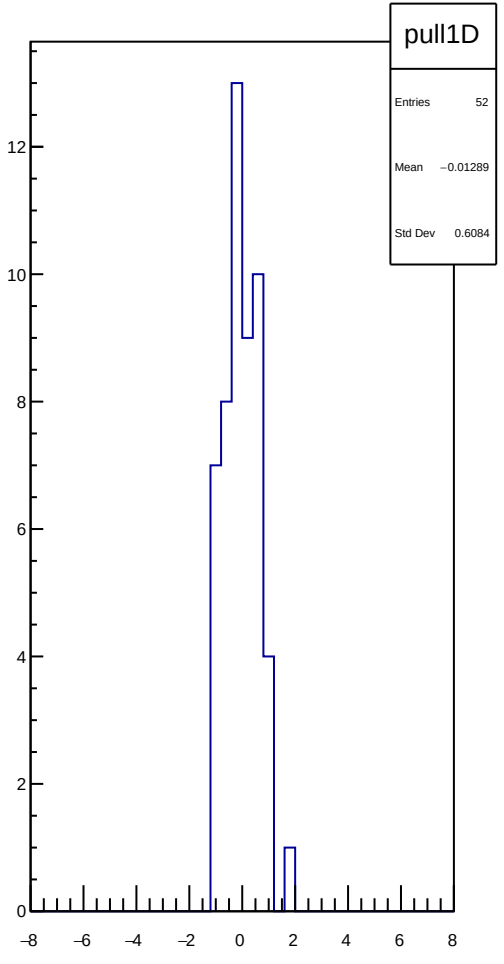

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.526 / 51
p0 −24.88 ± 6.71
pull
Entries 52
Mean 66.4
Std Dev 29.46
pull1D
Entries 52
Mean 0.02564
Std Dev 0.2939

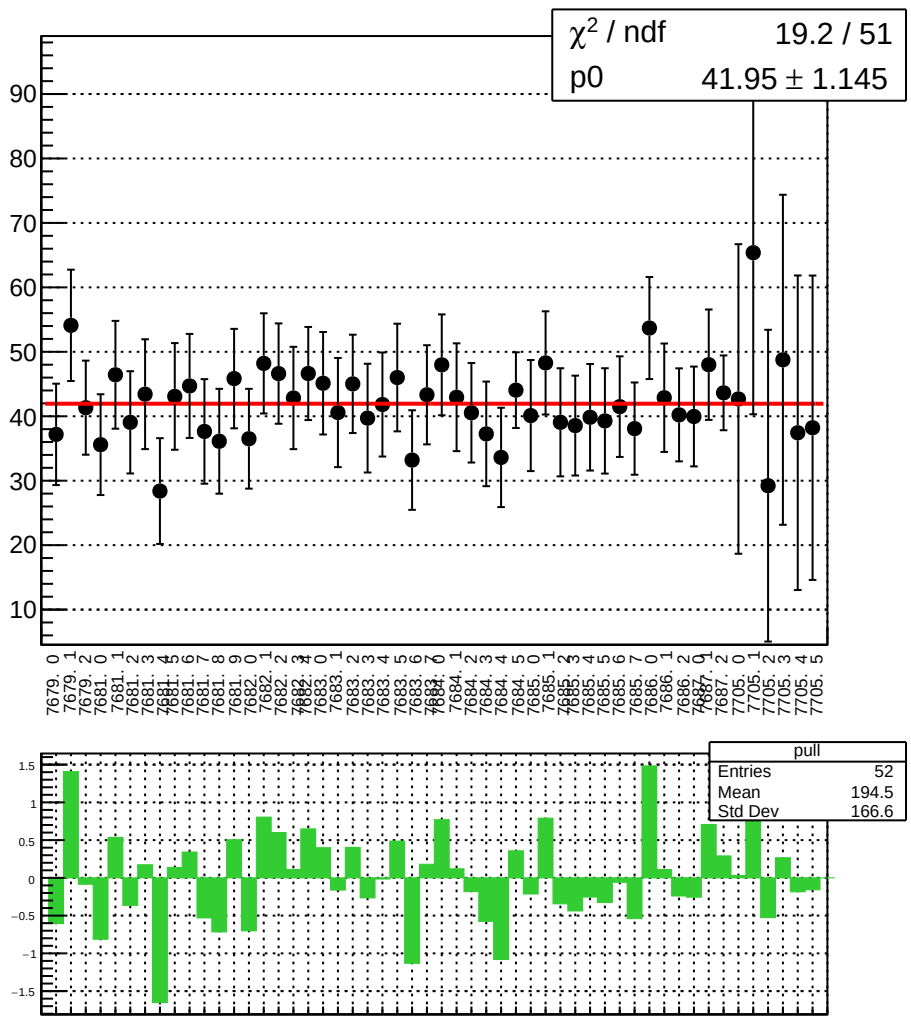

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 39.77 / 51
p0 133.6 ± 0.3239
pull
Entries 52
Mean 253.3
Std Dev 216
pull1D
Entries 52
Mean −0.02121
Std Dev 0.8742

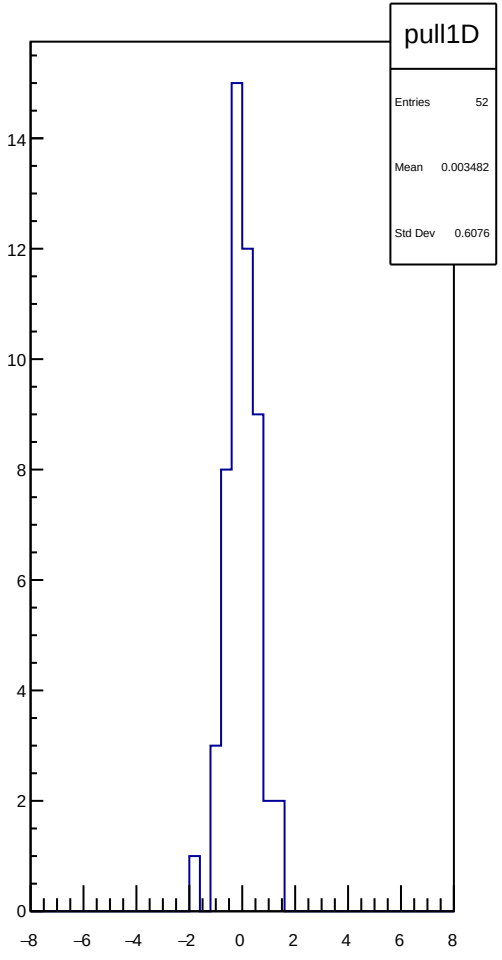

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 19.42 / 51
p0 28.43 ± 1.417
pull
Entries 52
Mean 111.3
Std Dev 81.93

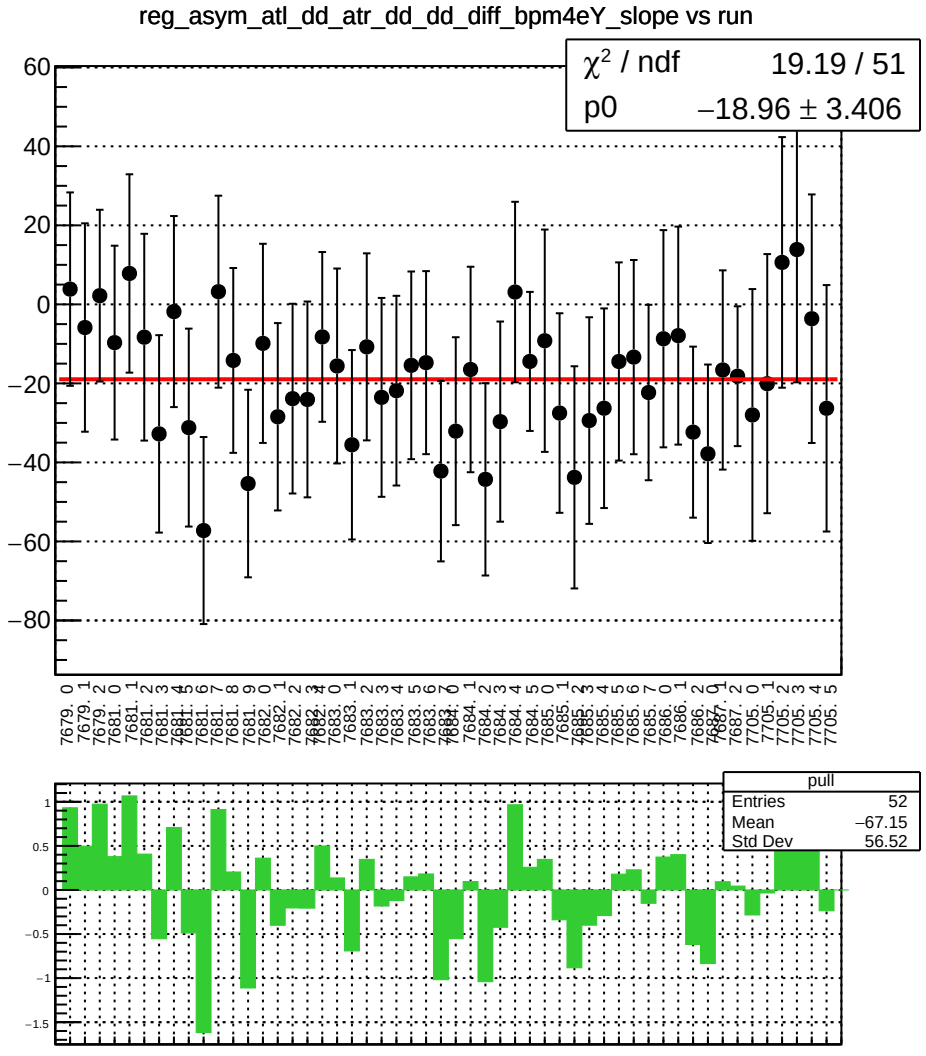

pull1D
Entries 52
Mean −0.01059
Std Dev 0.6111

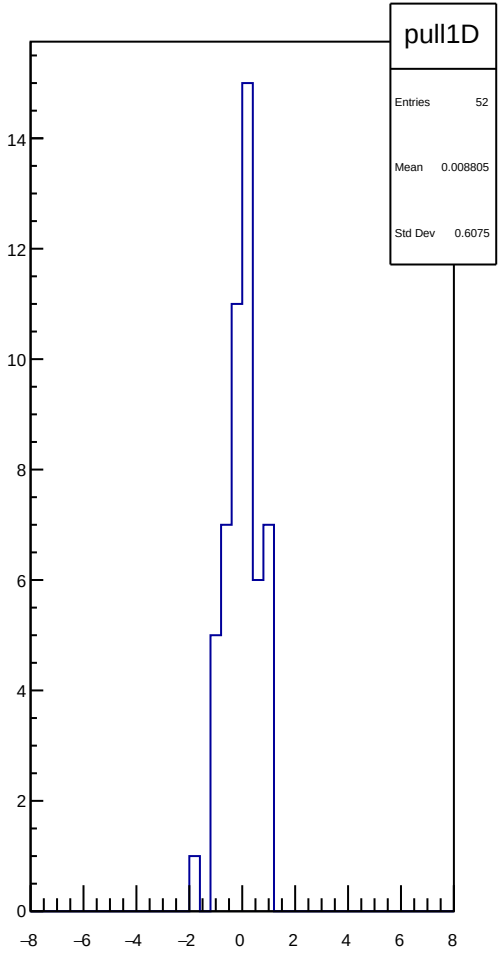

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.25 / 51
p0 7.162 ± 2.336
pull
Entries 52
Mean −65.35
Std Dev 69.96

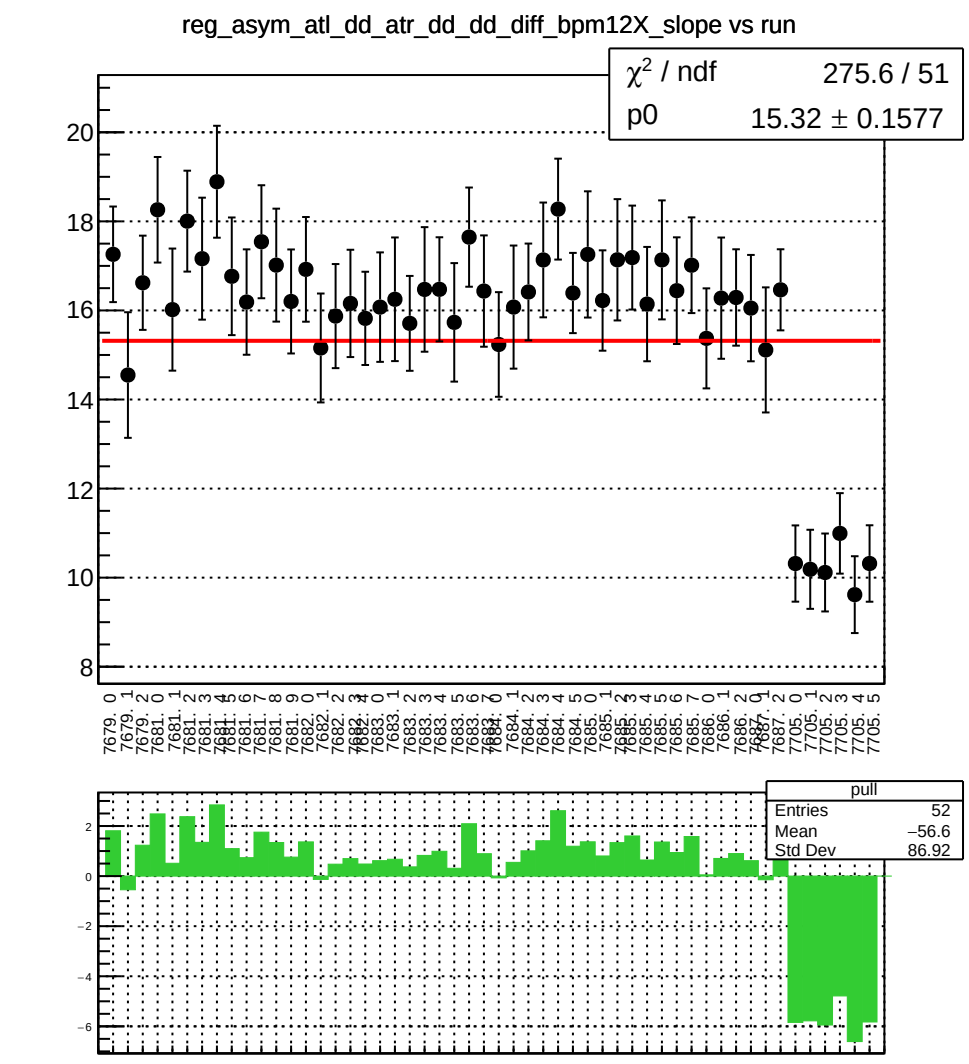

pull1D
Entries 52
Mean −0.01289
Std Dev 0.6084

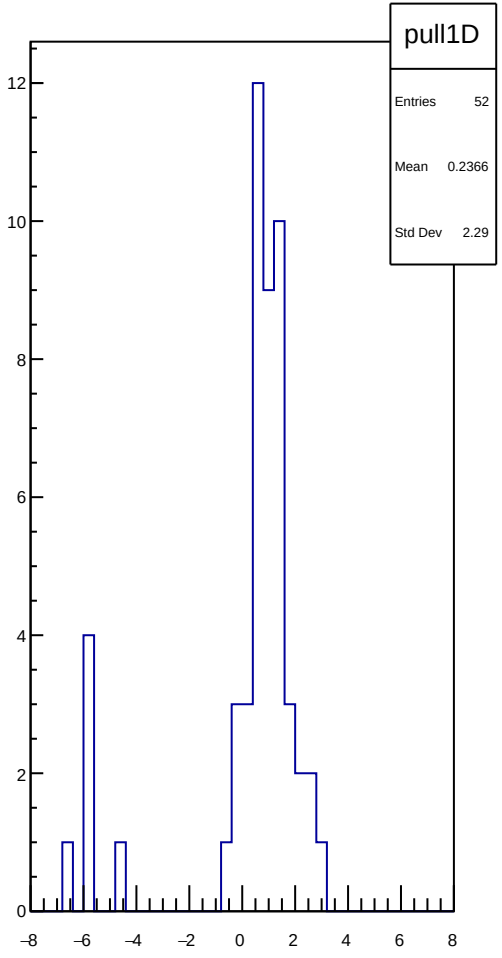

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.2 / 51
p0 41.95 ± 1.145
pull
Entries 52
Mean 194.5
Std Dev 166.6

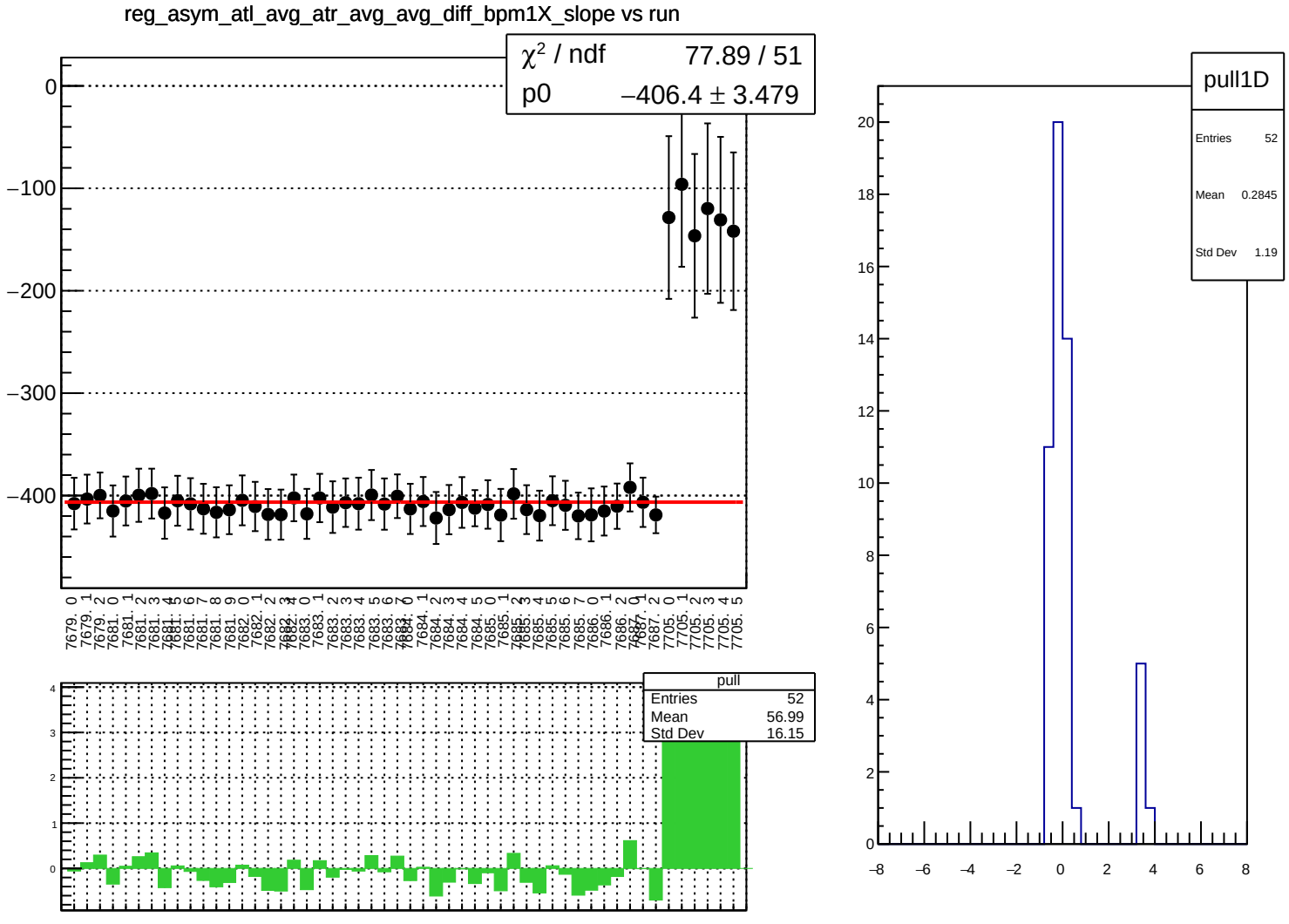

pull1D
Entries 52
Mean 0.003482
Std Dev 0.6076

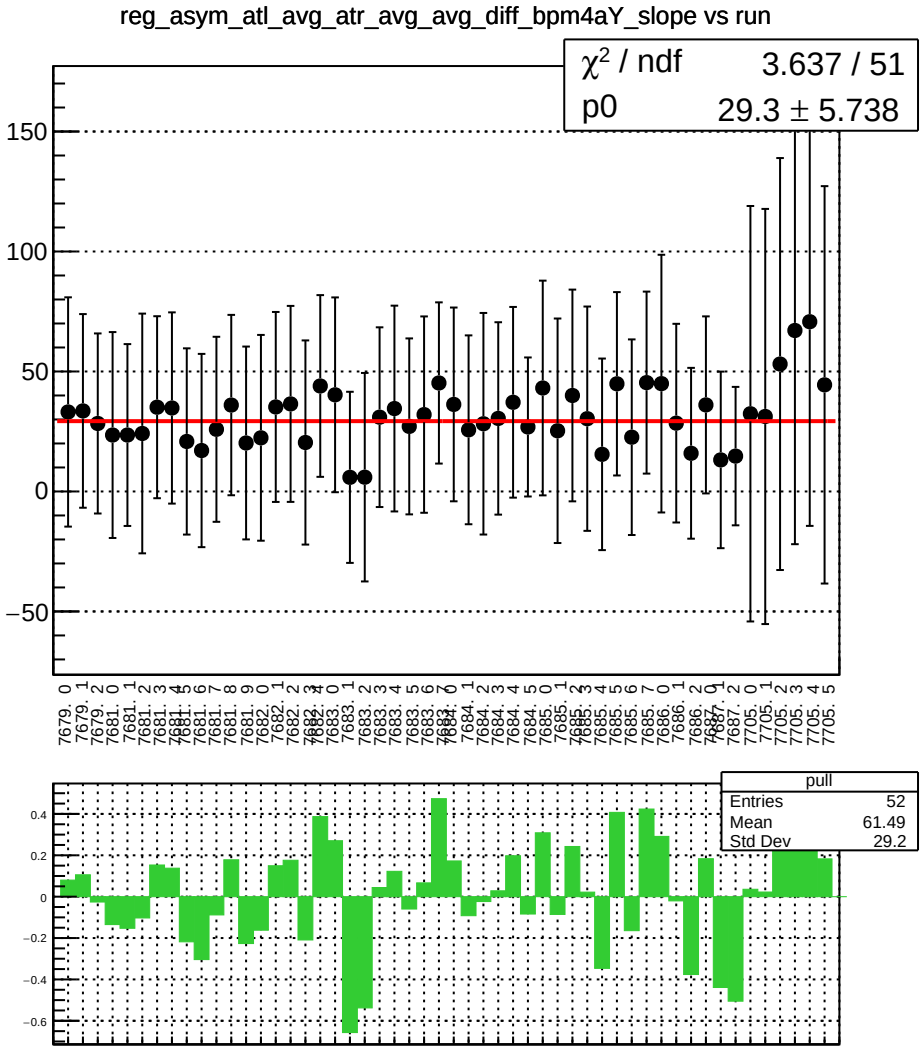

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.19 / 51
p0 −18.96 ± 3.406
pull
Entries 52
Mean −67.15
Std Dev 56.52

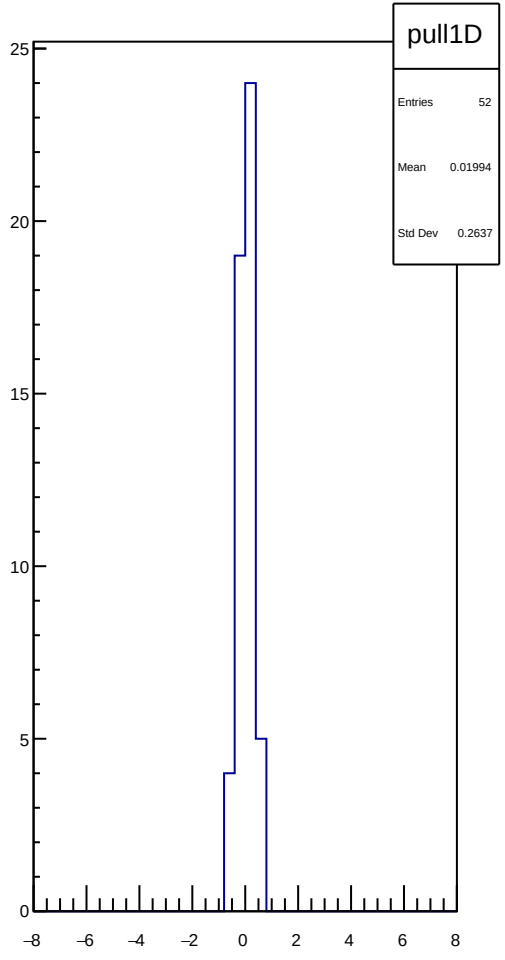

pull1D
Entries 52
Mean 0.008805
Std Dev 0.6075

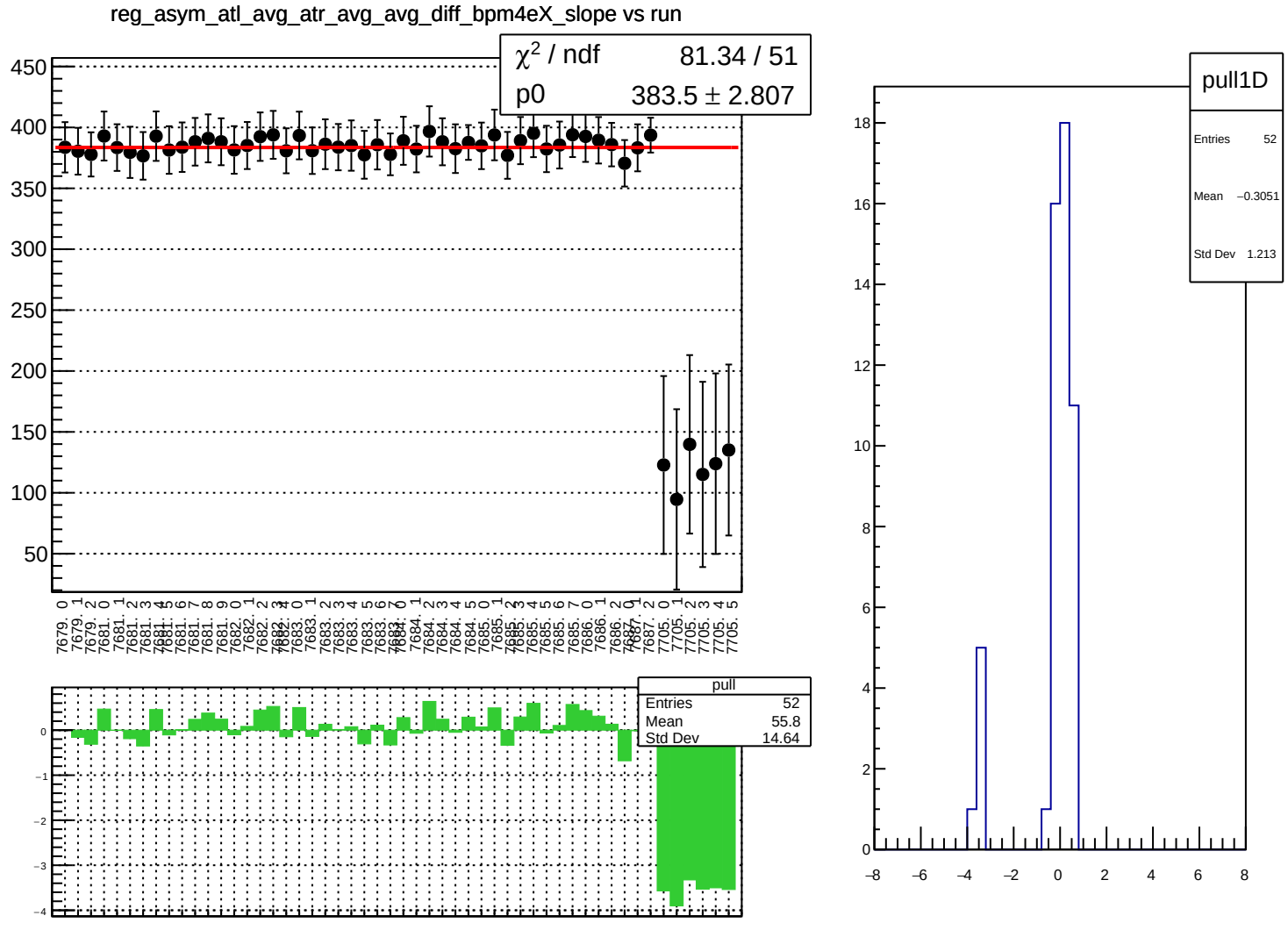

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 275.6 / 51
p0 15.32 ± 0.1577
pull
Entries 52
Mean −56.6
Std Dev 86.92

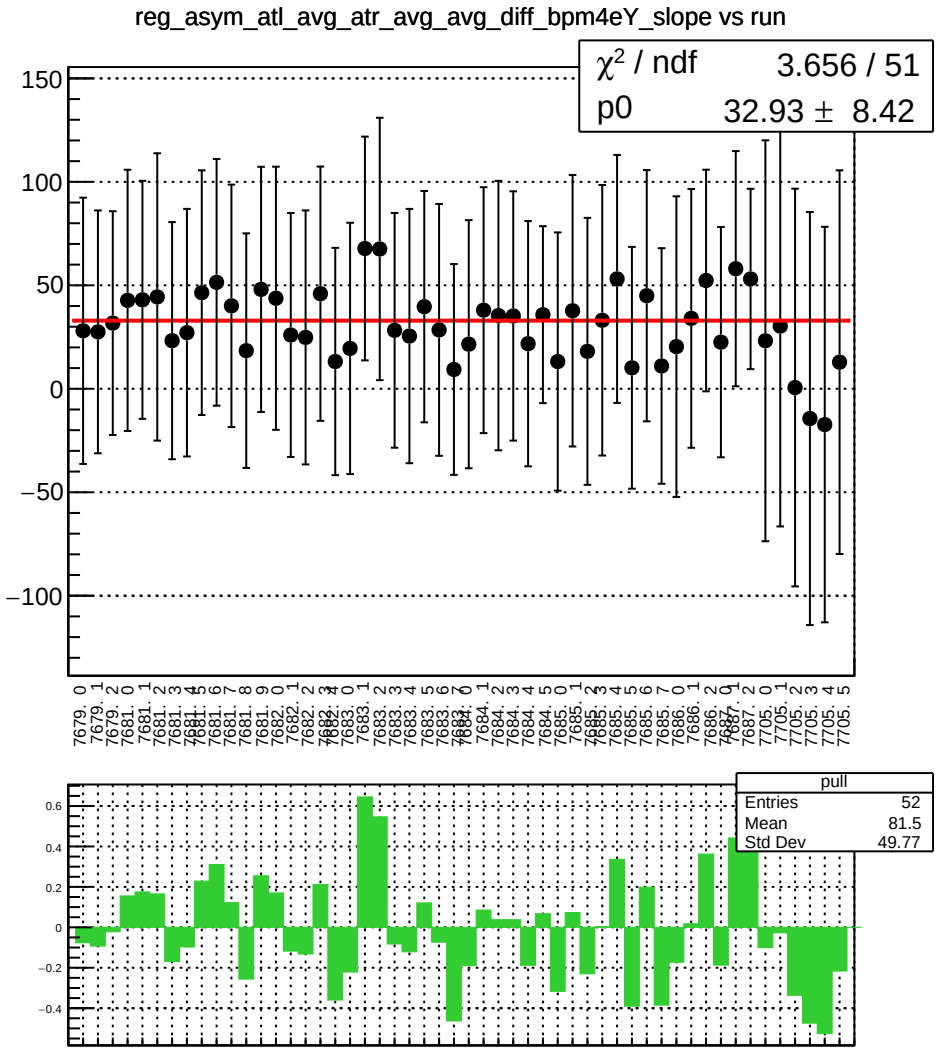

pull1D
Entries 52
Mean 0.2366
Std Dev 2.29

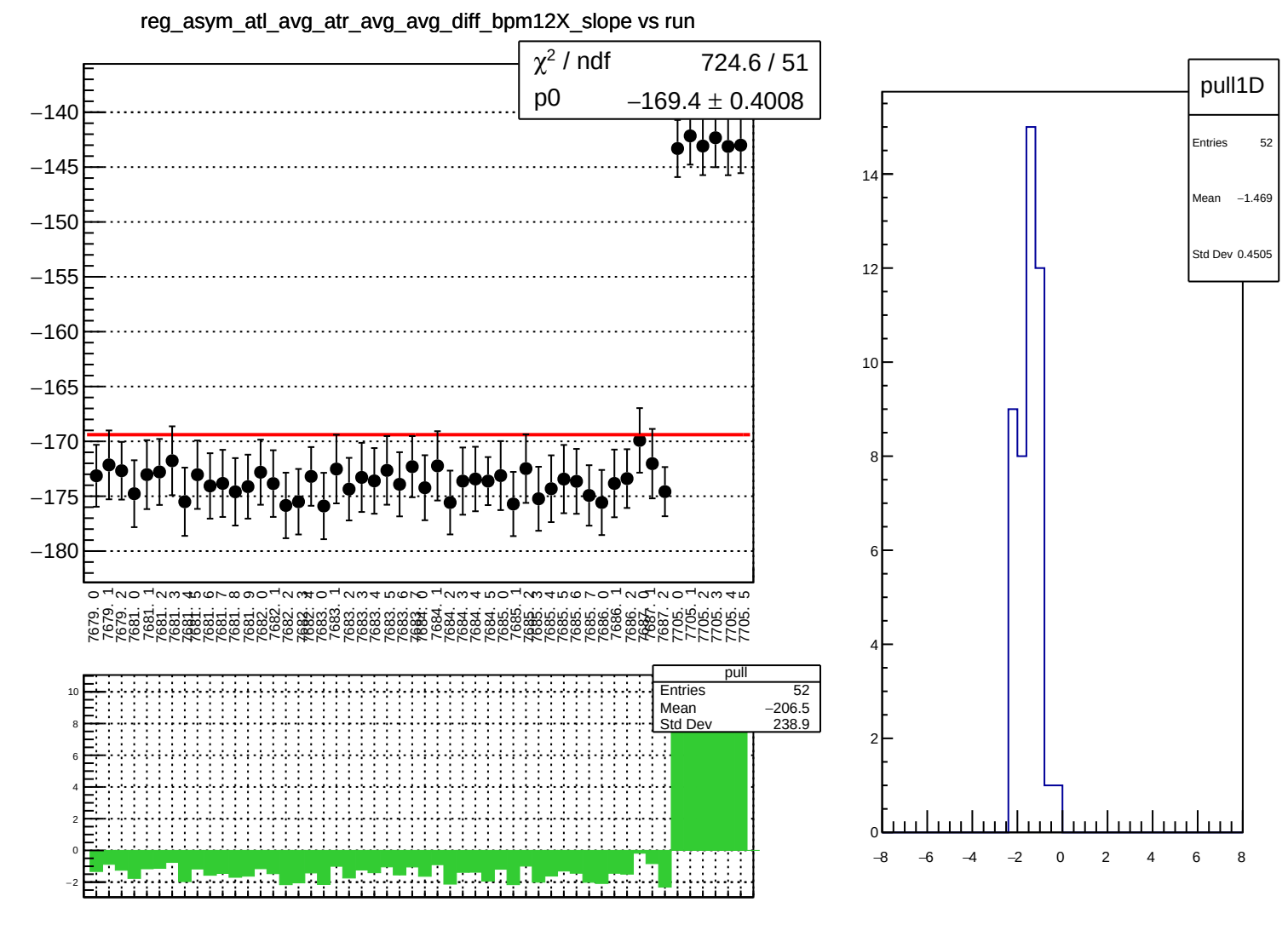

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 77.89 / 51
p0 −406.4 ± 3.479
pull
Entries 52
Mean 56.99
Std Dev 16.15
pull1D
Entries 52
Mean 0.2845
Std Dev 1.19

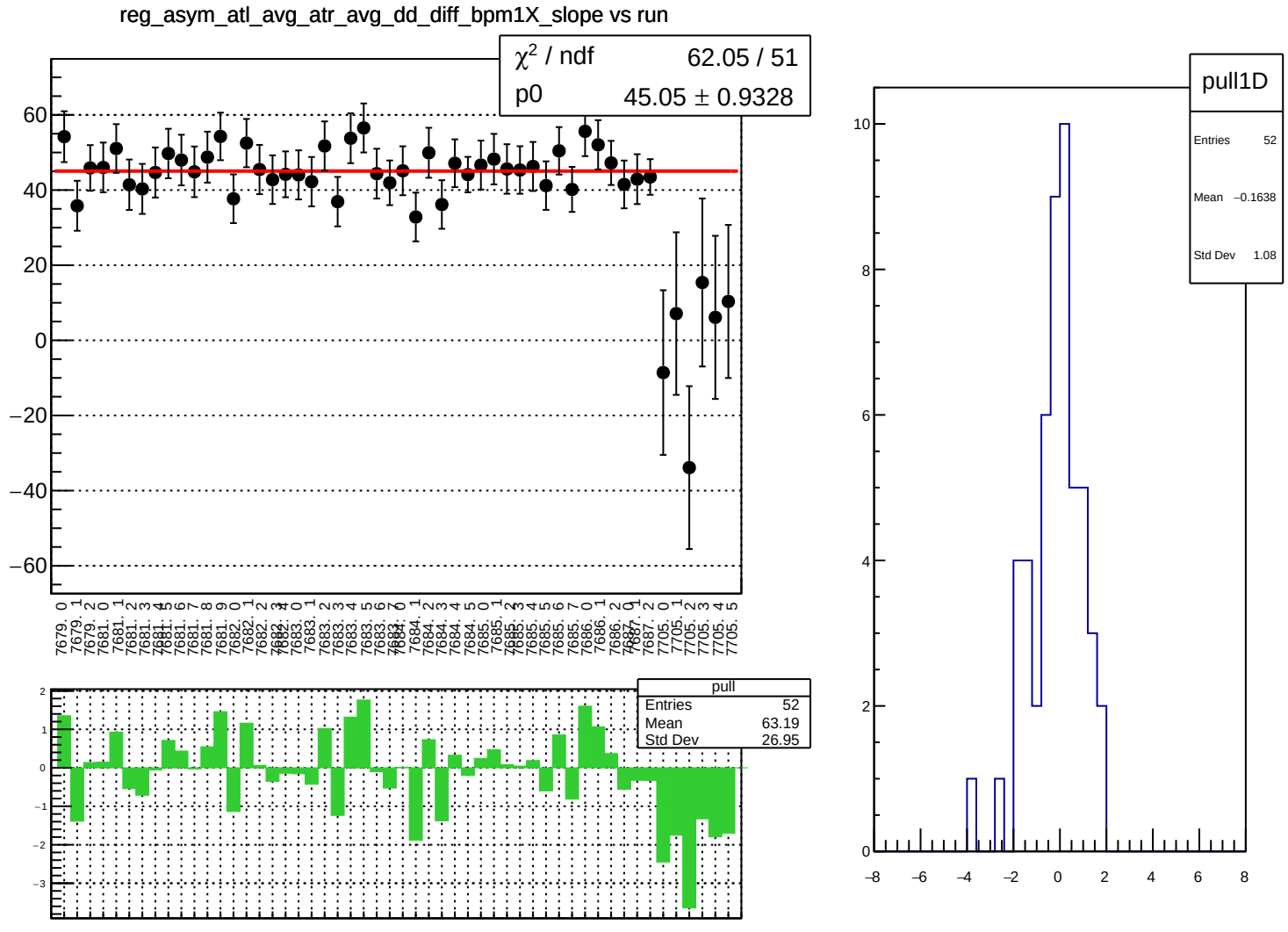

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.637 / 51
p0 29.3 ± 5.738
150
100
50
0
−50
pull
Entries 52
Mean 61.49
Std Dev 29.2
0.4
0.2
0
−0.2
−0.4
−0.6

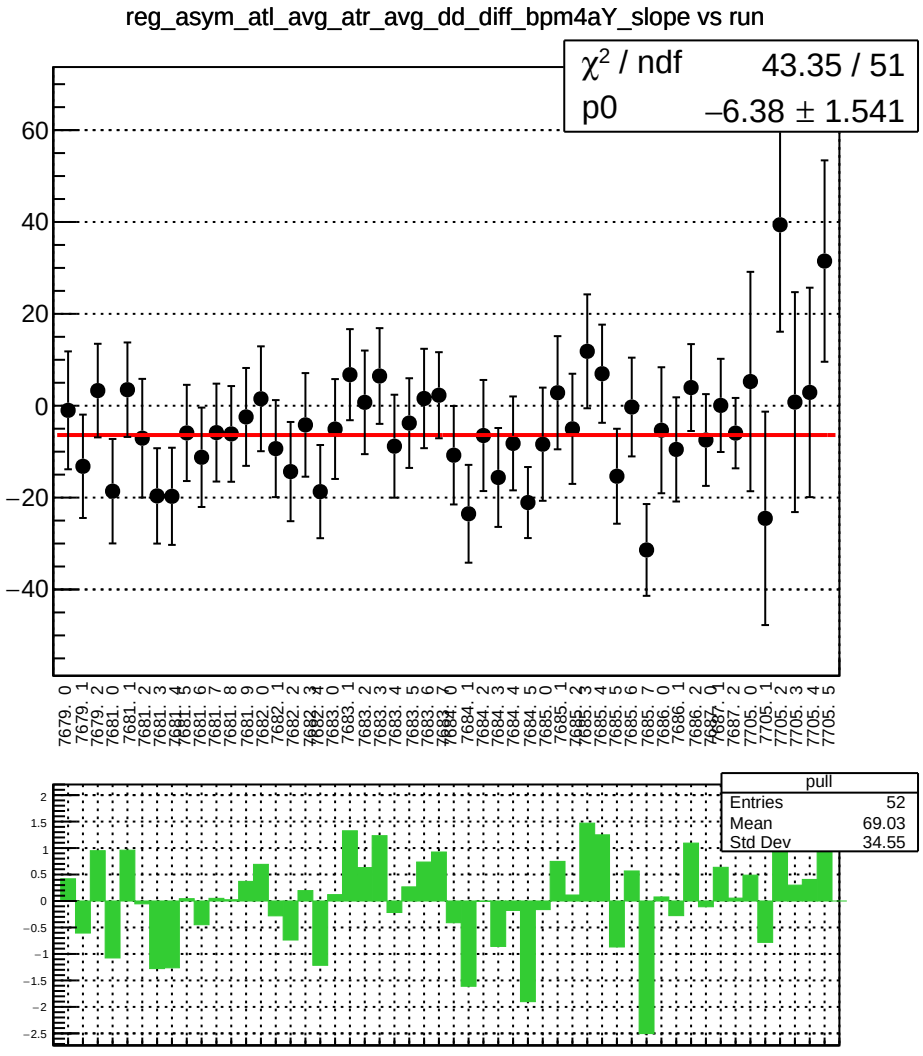

pull1D
Entries 52
Mean 0.01994
Std Dev 0.2637
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

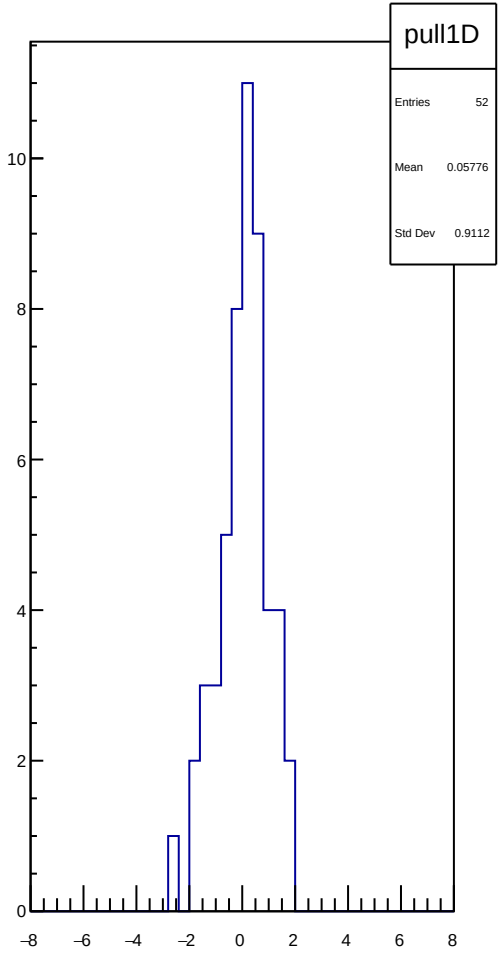

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.34 / 51
p0 383.5 ± 2.807
pull
Entries 52
Mean 55.8
Std Dev 14.64
pull1D
Entries 52
Mean −0.3051
Std Dev 1.213

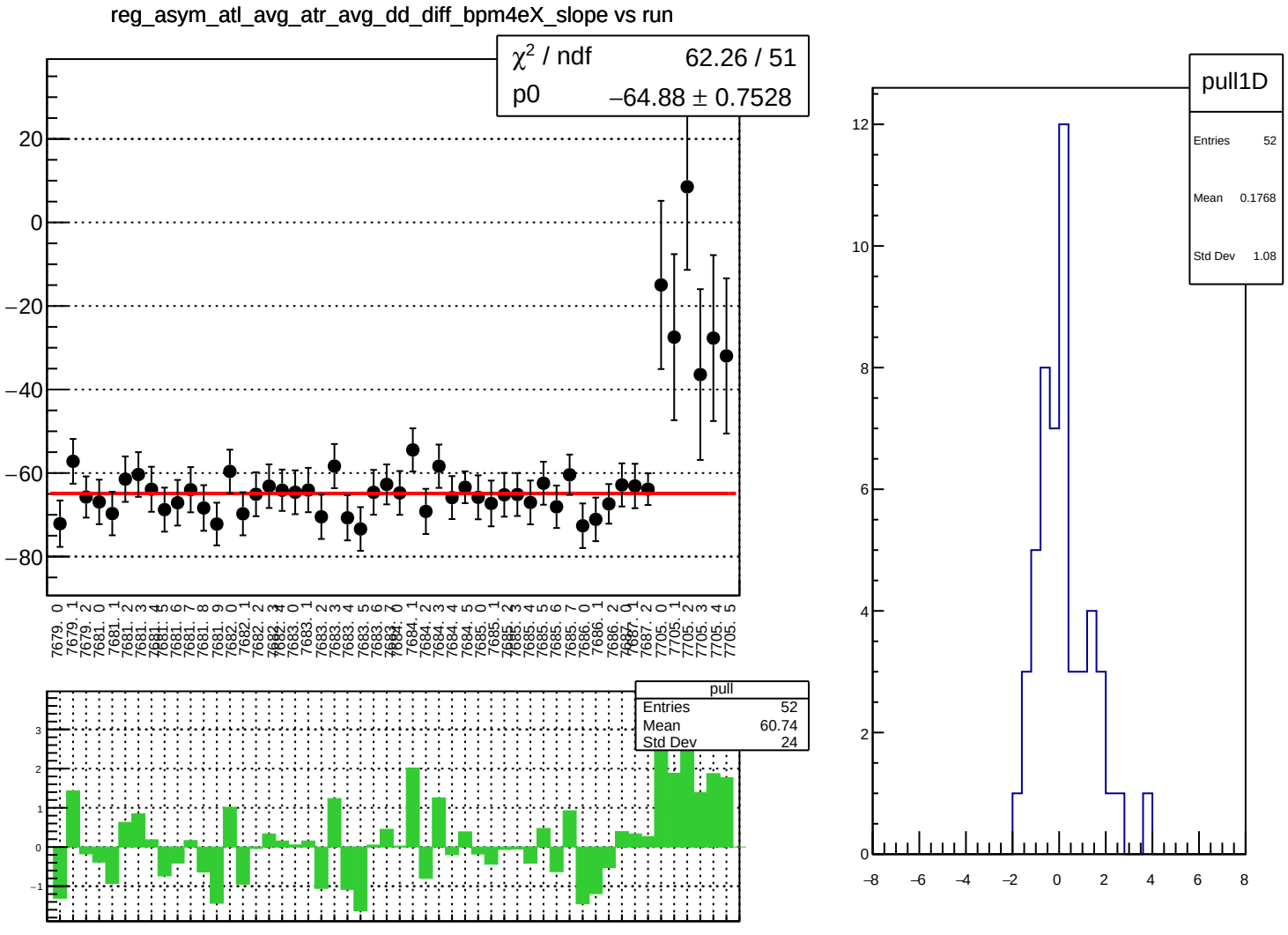

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.656 / 51
p0 32.93 ± 8.42
150
100
50
0
−50
−100
pull
Entries 52
Mean 81.5
Std Dev 49.77
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 52
Mean −0.01526
Std Dev 0.2647
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

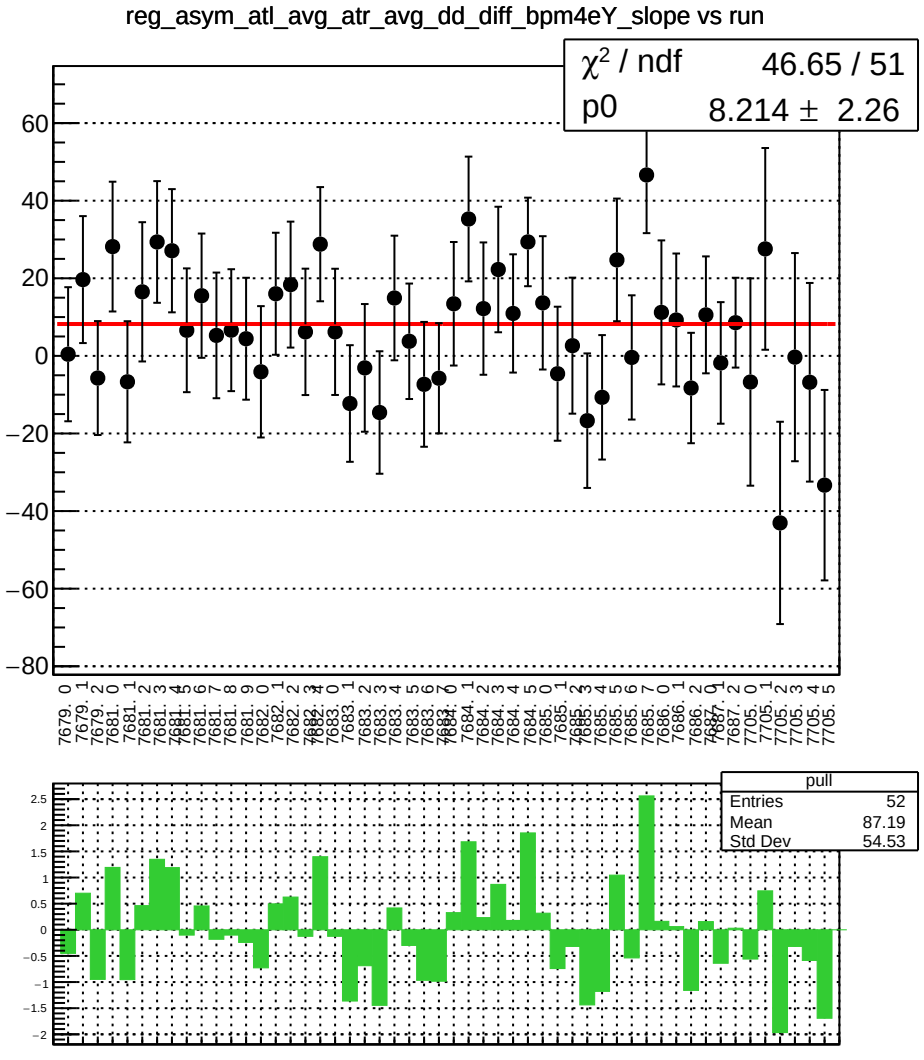

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 724.6 / 51
p0 −169.4 ± 0.4008
pull
Entries 52
Mean −206.5
Std Dev 238.9
pull1D
Entries 52
Mean −1.469
Std Dev 0.4505

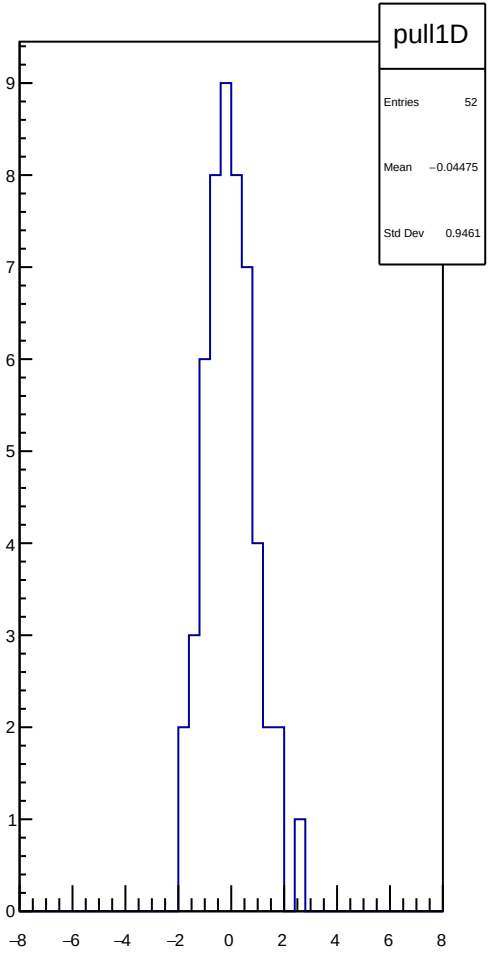

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 62.05 / 51
p0 45.05 ± 0.9328
pull
Entries 52
Mean 63.19
Std Dev 26.95
pull1D
Entries 52
Mean −0.1638
Std Dev 1.08

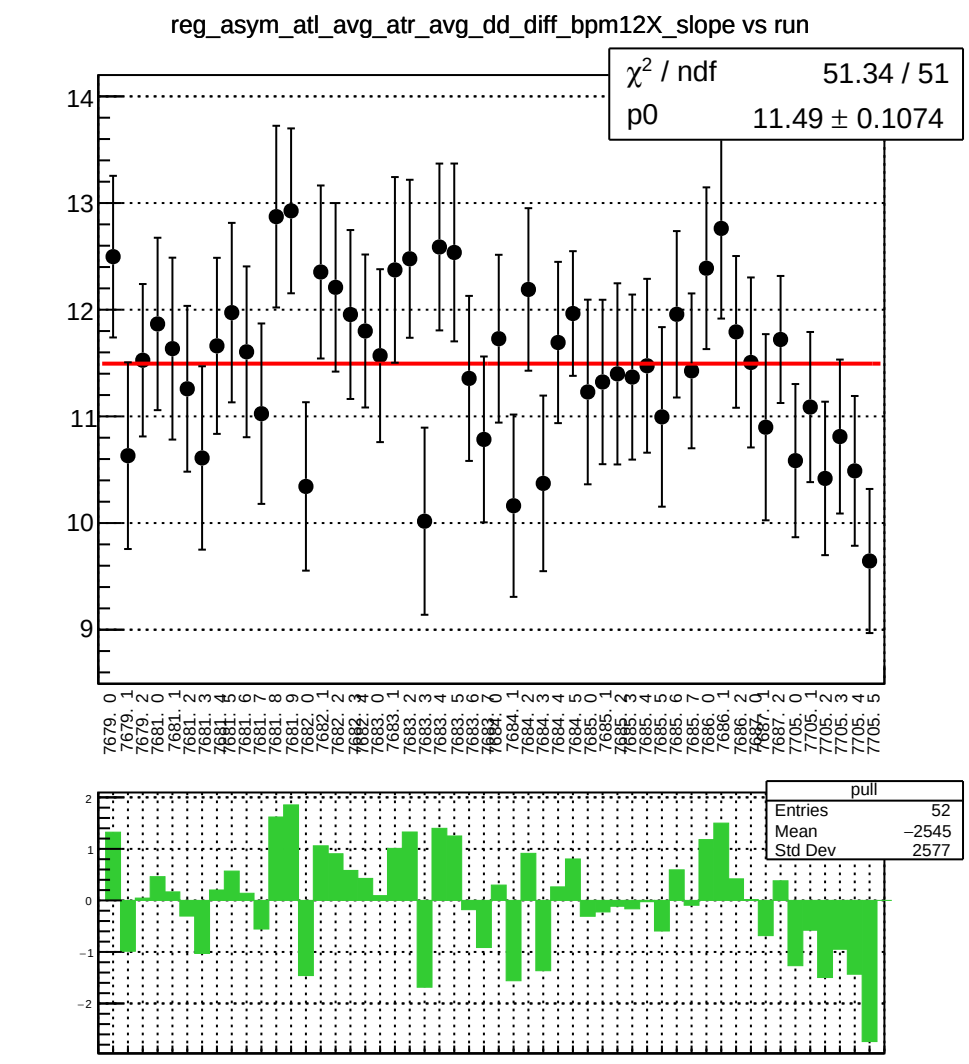

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.35 / 51
p0 −6.38 ± 1.541
pull
Entries 52
Mean 69.03
Std Dev 34.55

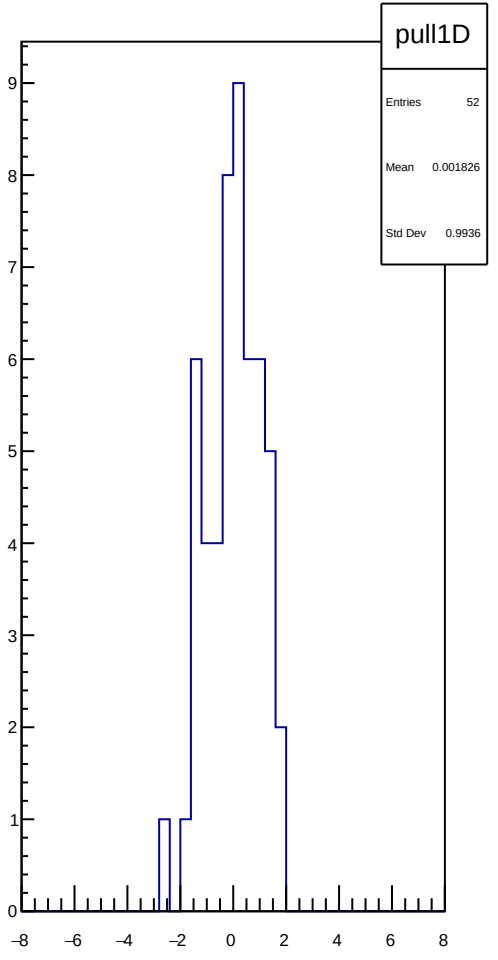

pull1D
Entries 52
Mean 0.05776
Std Dev 0.9112

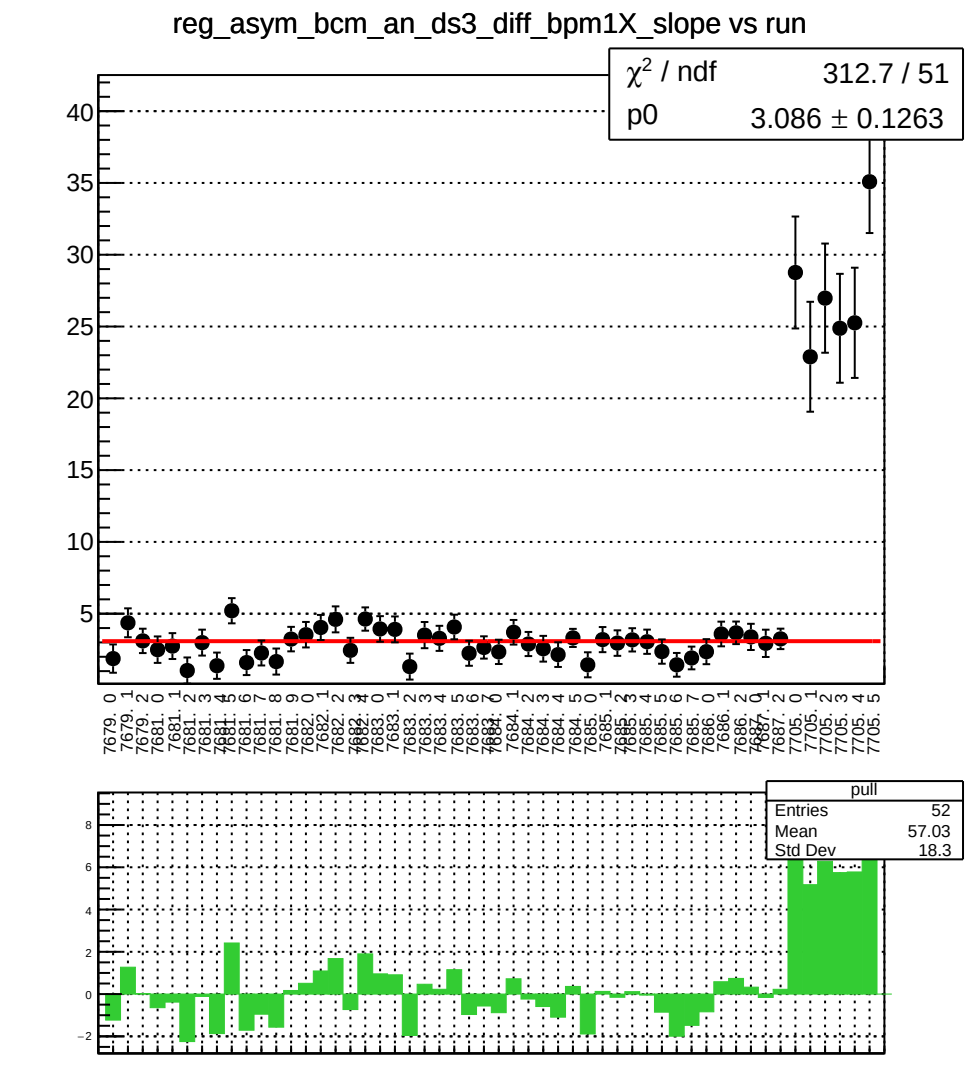

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.26 / 51
p0 −64.88 ± 0.7528
pull
Entries 52
Mean 60.74
Std Dev 24
pull1D
Entries 52
Mean 0.1768
Std Dev 1.08

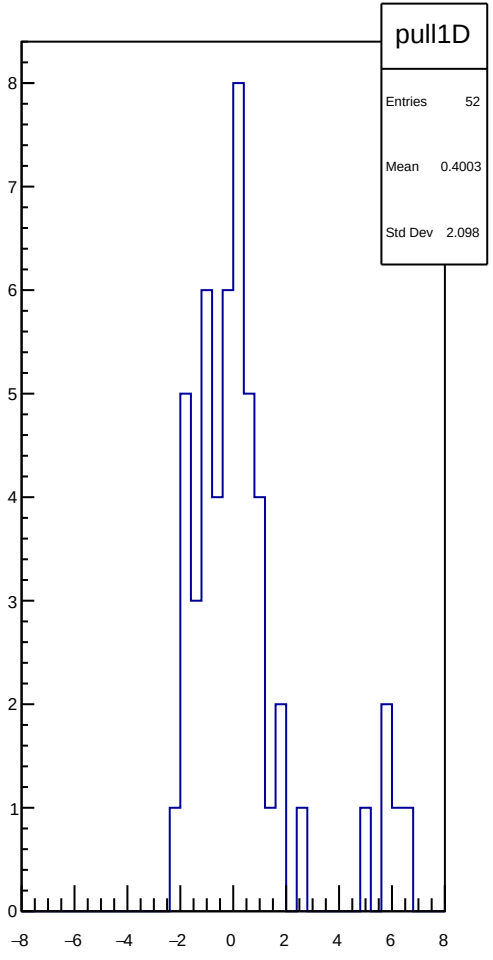

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.65 / 51
p0 8.214 ± 2.26
pull
Entries 52
Mean 87.19
Std Dev 54.53

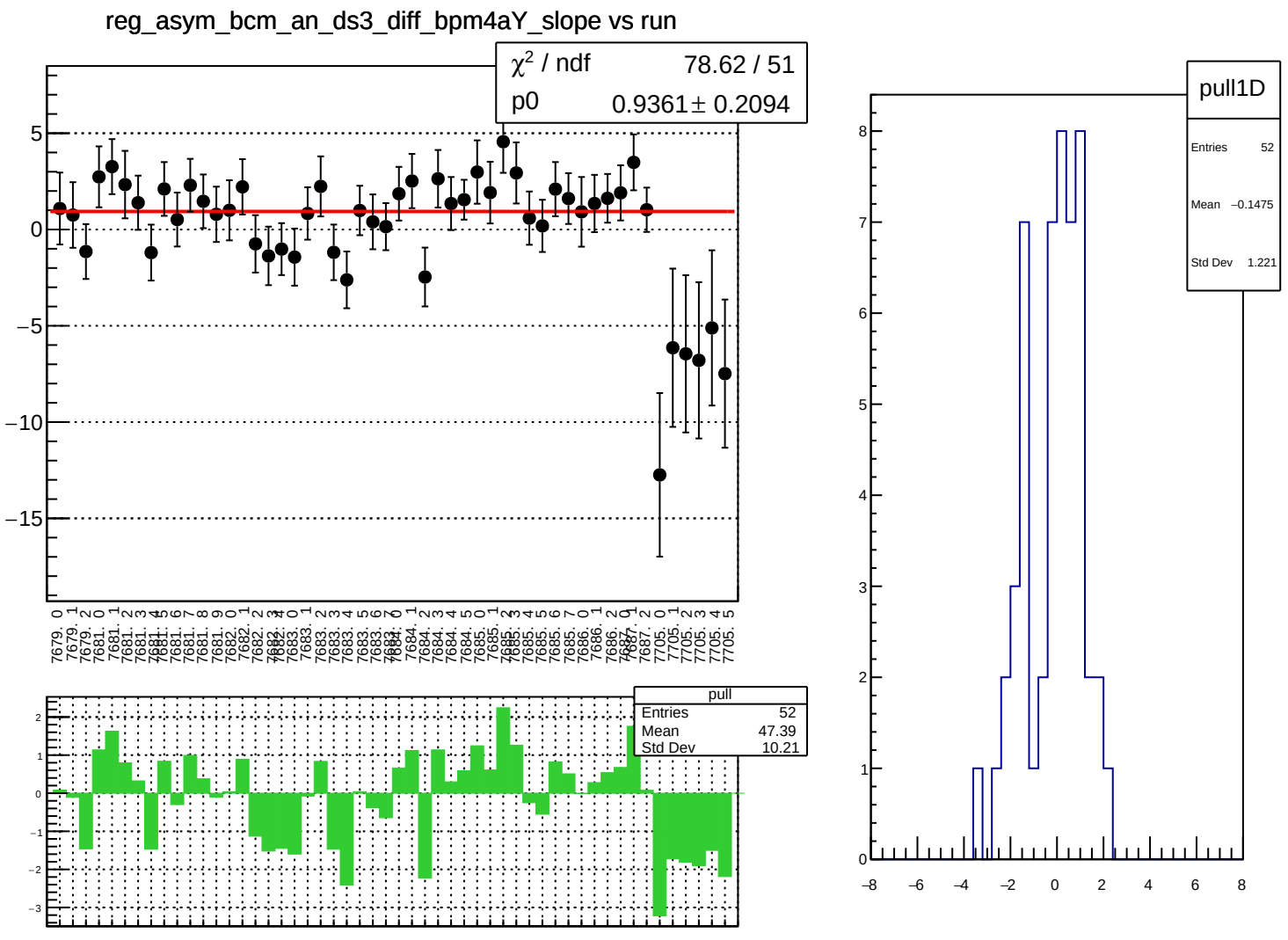

pull1D
Entries 52
Mean −0.04475
Std Dev 0.9461

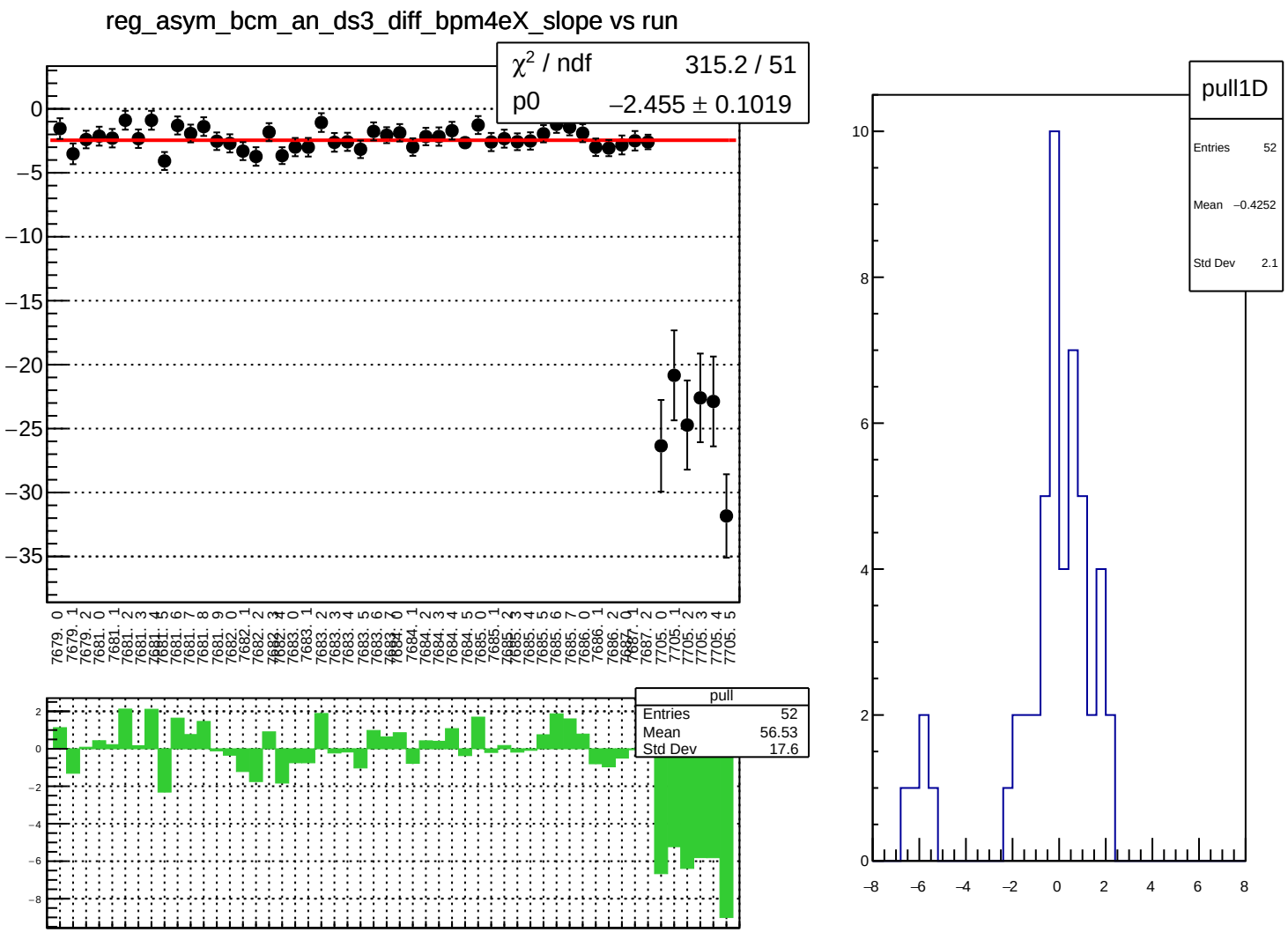

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 51.34 / 51
p0 11.49 ± 0.1074
pull
Entries 52
Mean −2545
Std Dev 2577

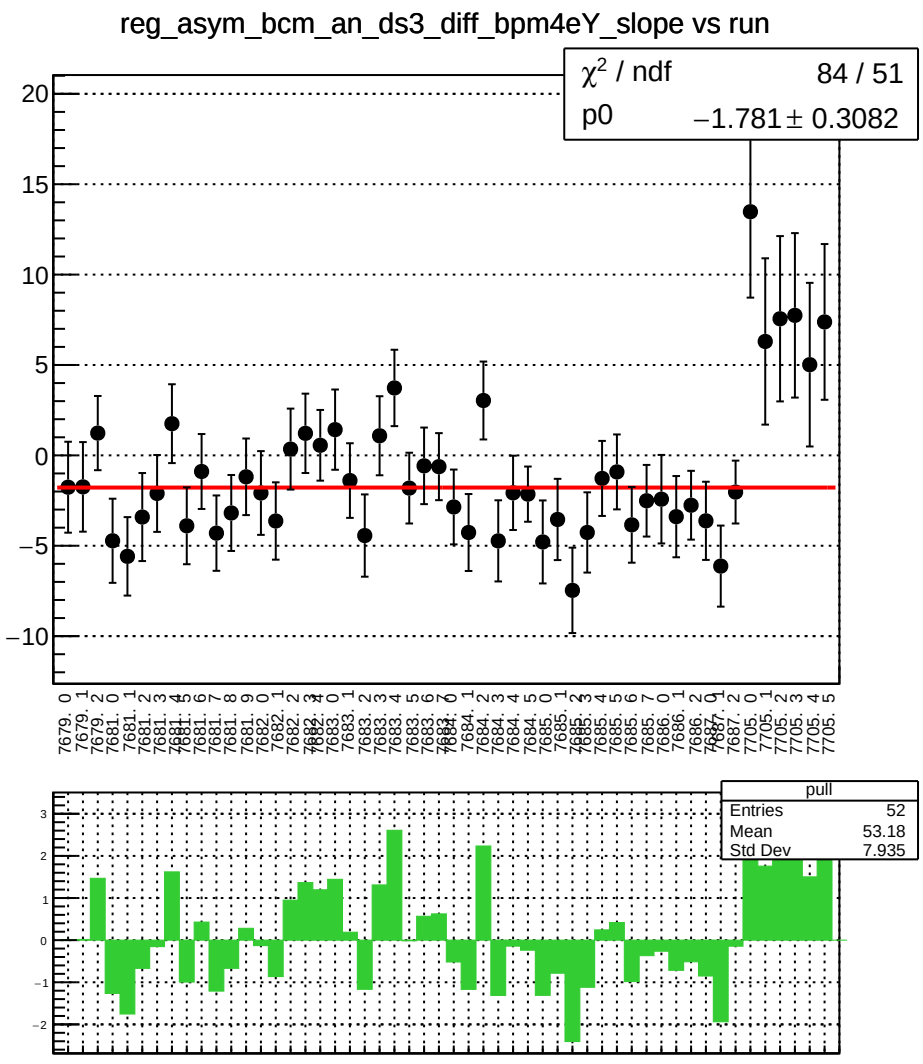

pull1D
Entries 52
Mean 0.001826
Std Dev 0.9936

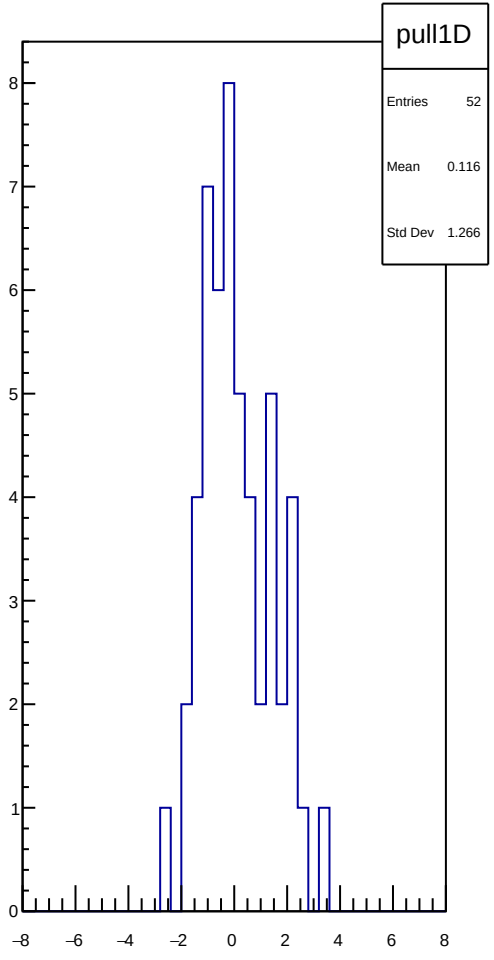

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 312.7 / 51
p0 3.086 ± 0.1263
pull
Entries 52
Mean 57.03
Std Dev 18.3

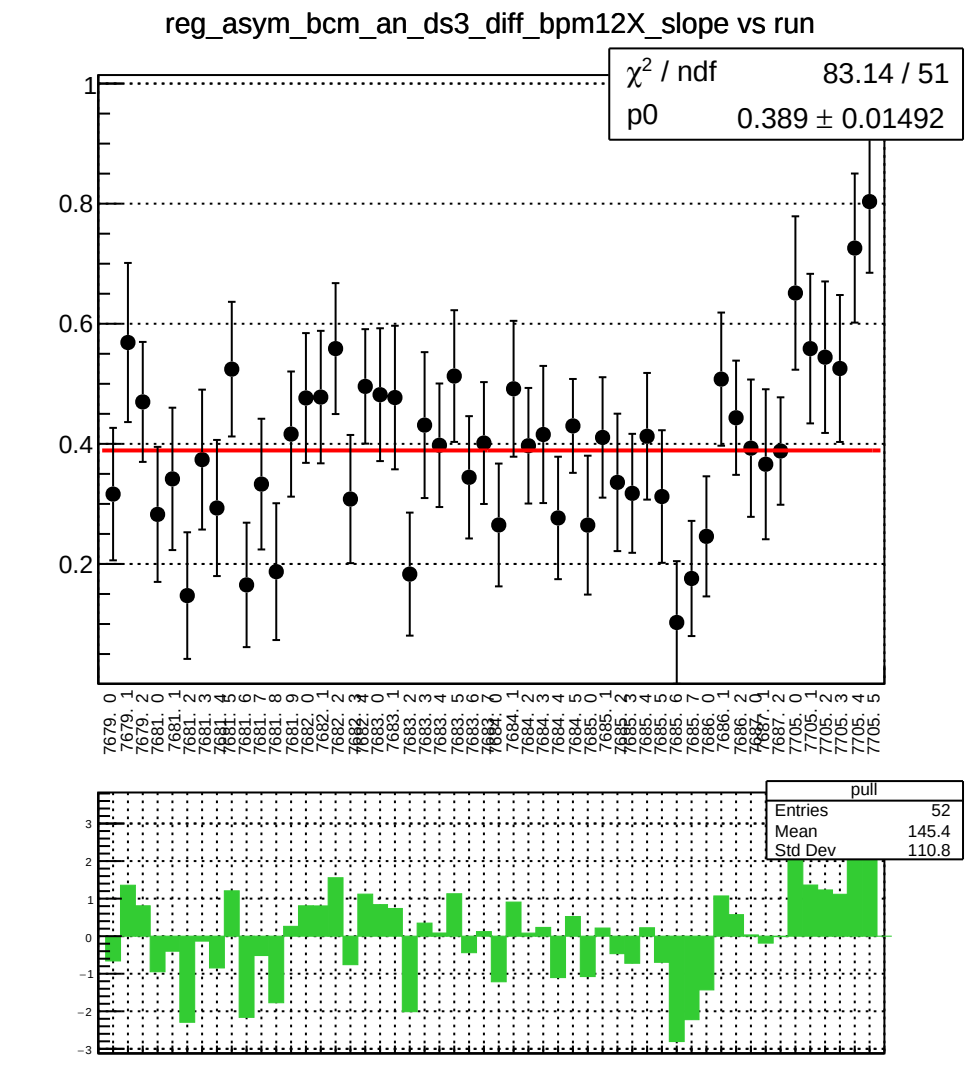

pull1D
Entries 52
Mean 0.4003
Std Dev 2.098

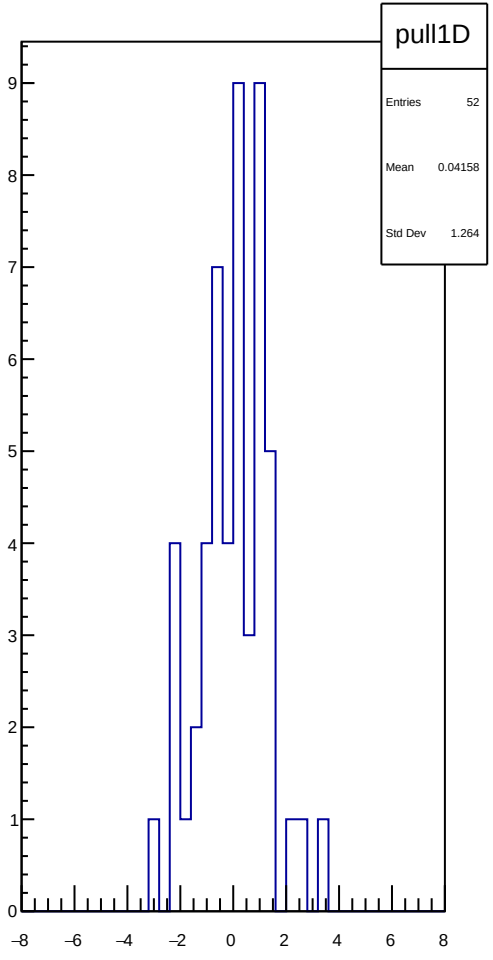

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 78.62 / 51
p0 0.9361± 0.2094
pull
Entries 52
Mean 47.39
Std Dev 10.21
pull1D
Entries 52
Mean −0.1475
Std Dev 1.221

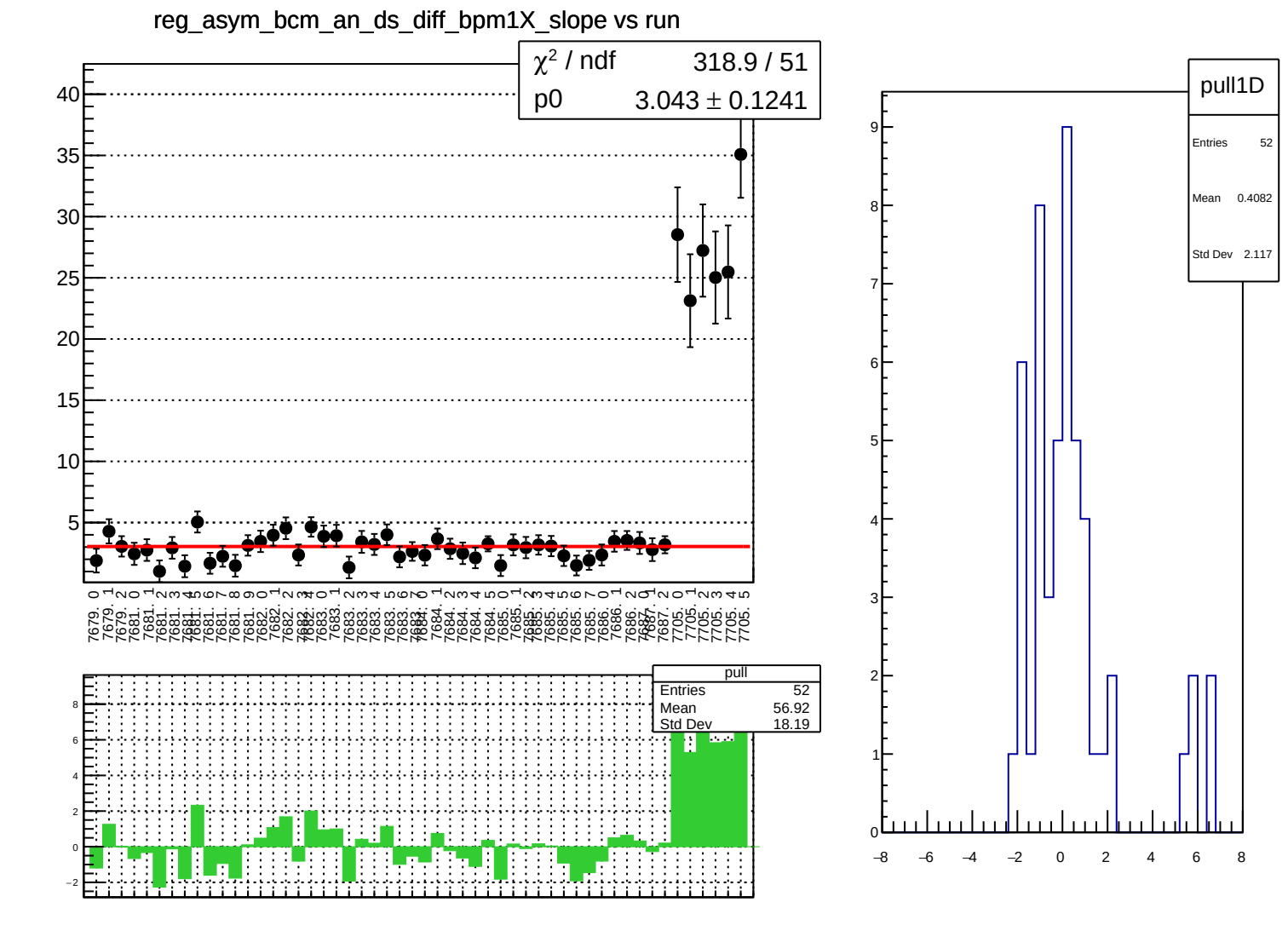

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 315.2 / 51
p0 −2.455 ± 0.1019
pull
Entries 52
Mean 56.53
Std Dev 17.6
pull1D
Entries 52
Mean −0.4252
Std Dev 2.1

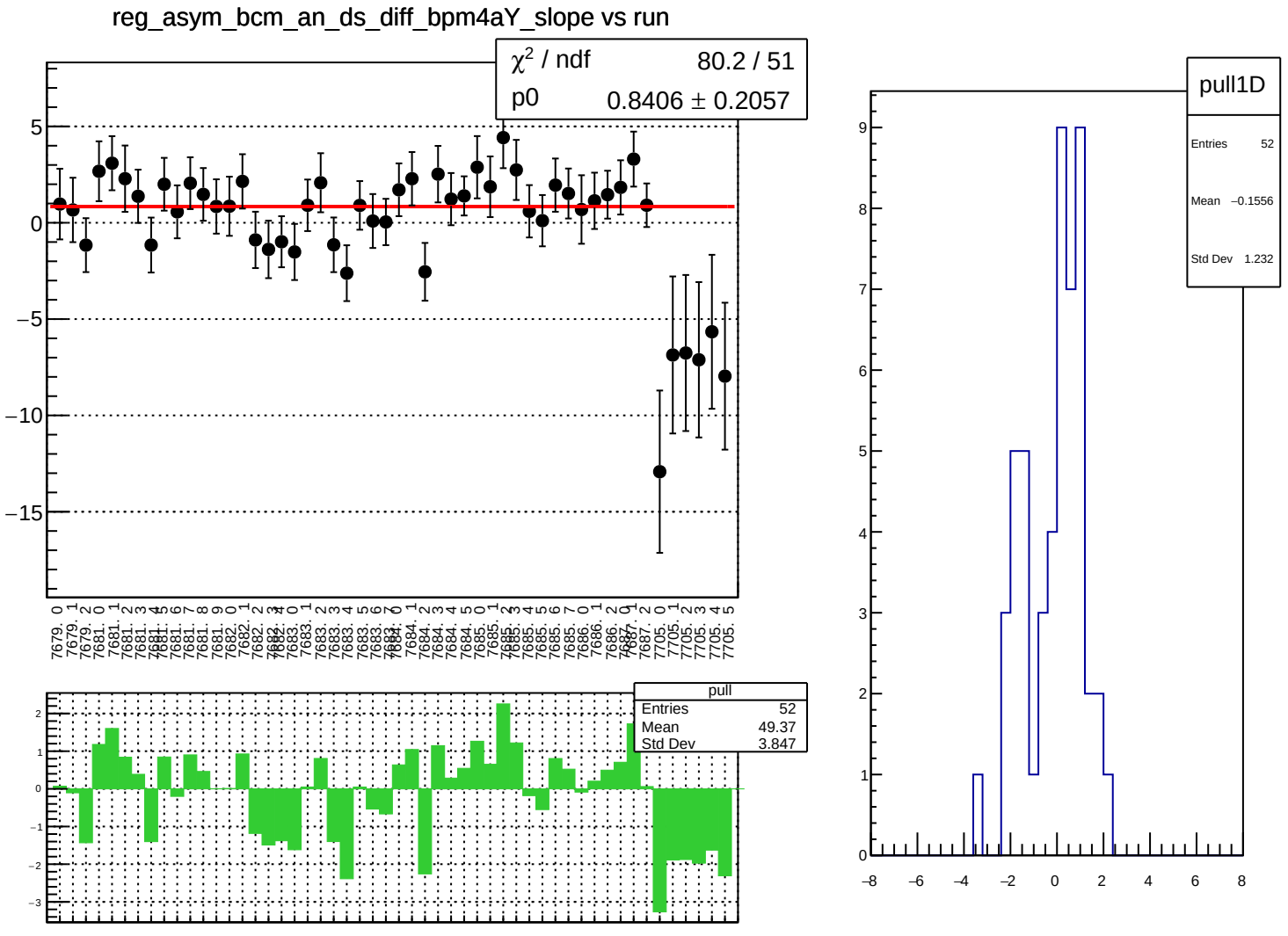

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 84 / 51
p0 −1.781 ± 0.3082
pull
Entries 52
Mean 53.18
Std Dev 7.935

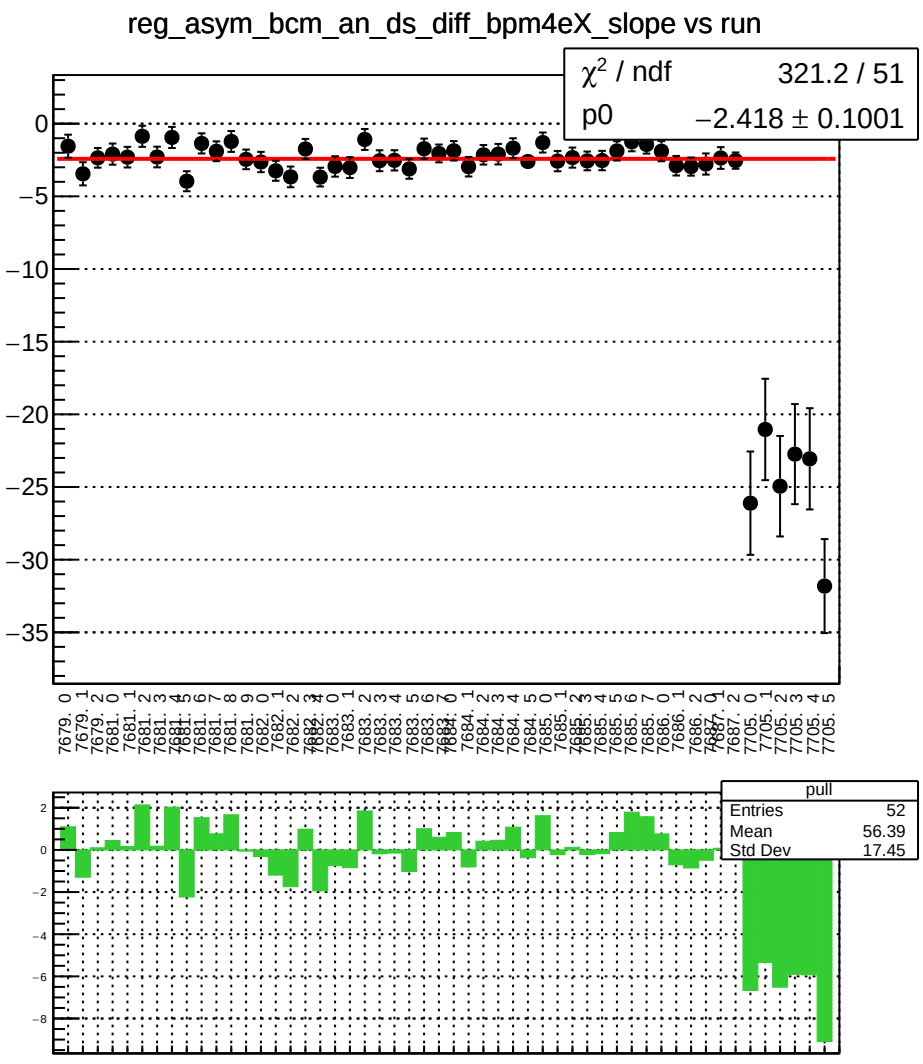

pull1D
Entries 52
Mean 0.116
Std Dev 1.266

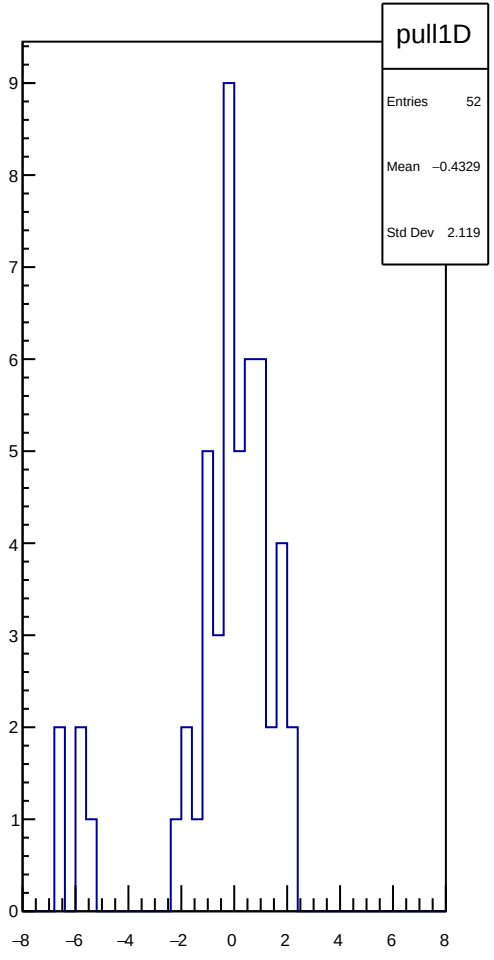

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 83.14 / 51
p0 0.389 ± 0.01492
pull
Entries 52
Mean 145.4
Std Dev 110.8

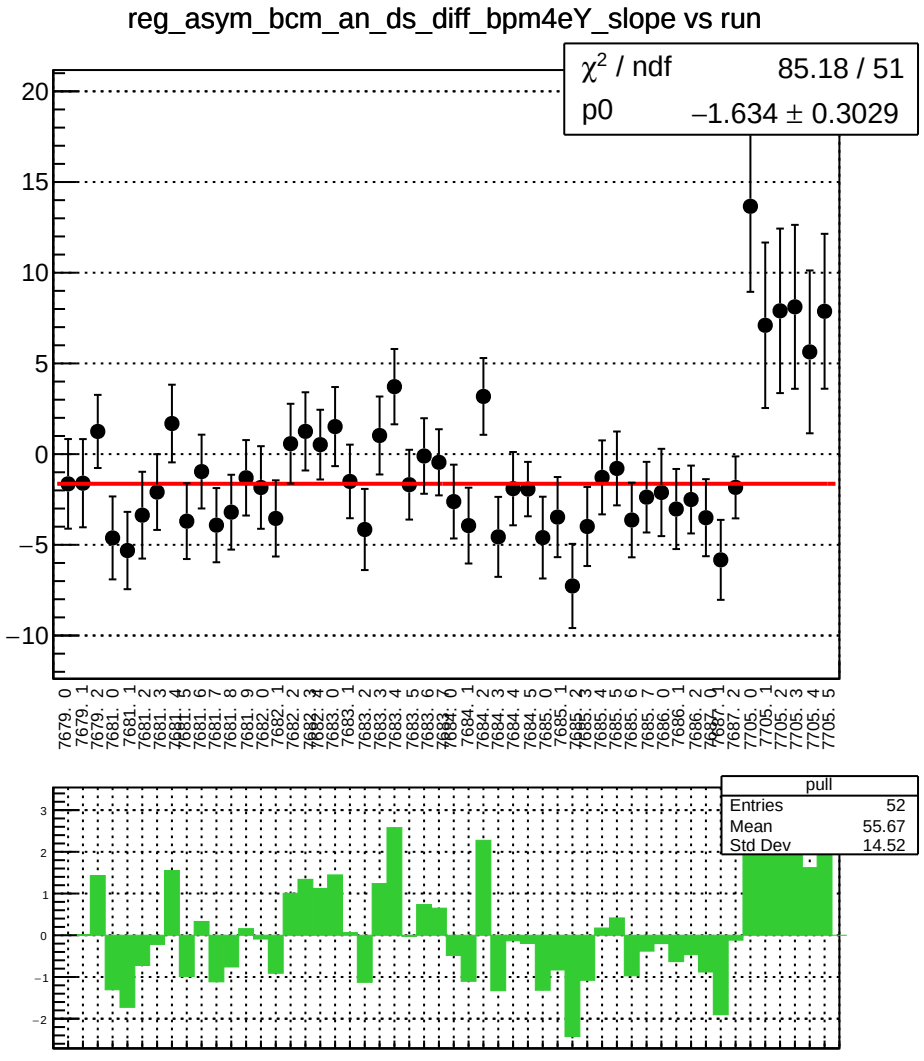

pull1D
Entries 52
Mean 0.04158
Std Dev 1.264

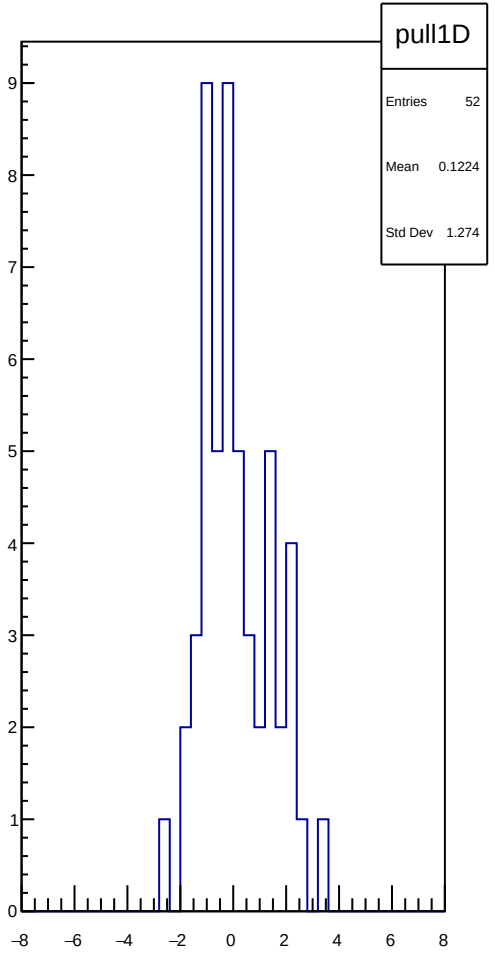

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 318.9 / 51
p0 3.043 ± 0.1241
pull
Entries 52
Mean 56.92
Std Dev 18.19
pull1D
Entries 52
Mean 0.4082
Std Dev 2.117

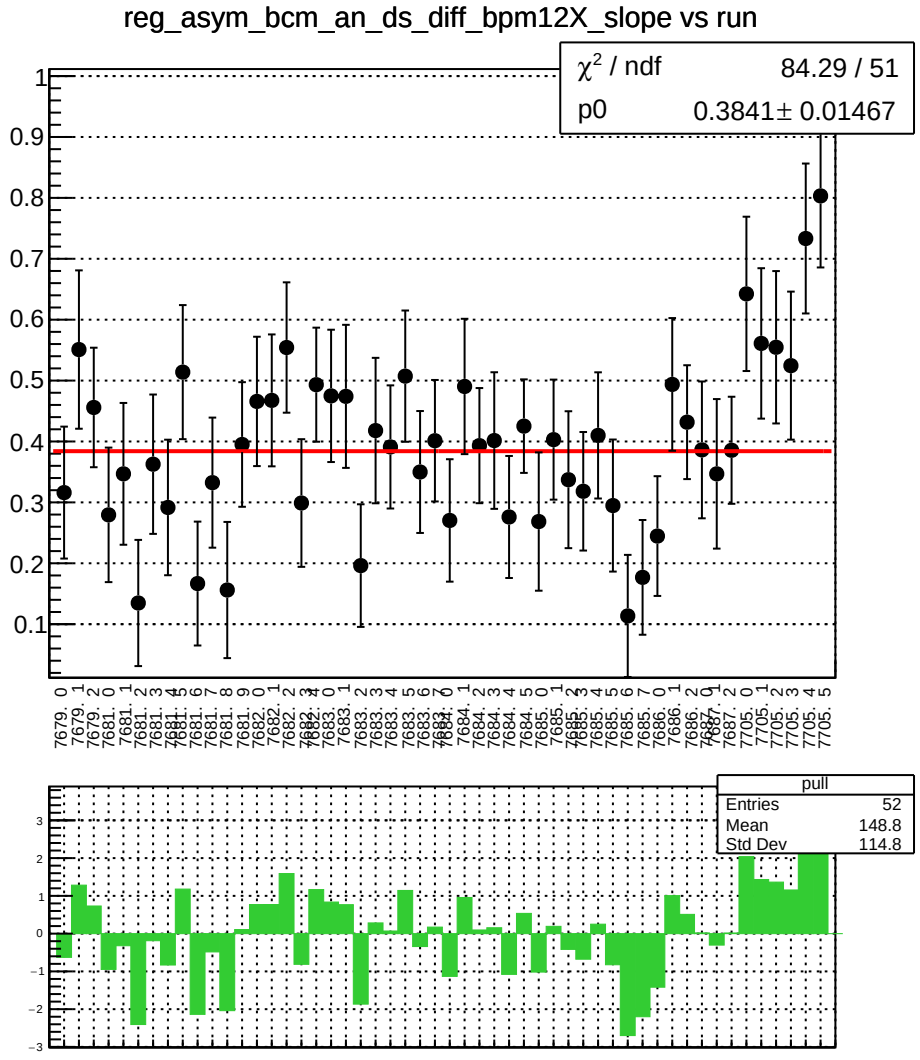

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 80.2 / 51
p0 0.8406 ± 0.2057
pull
Entries 52
Mean 49.37
Std Dev 3.847
pull1D
Entries 52
Mean −0.1556
Std Dev 1.232

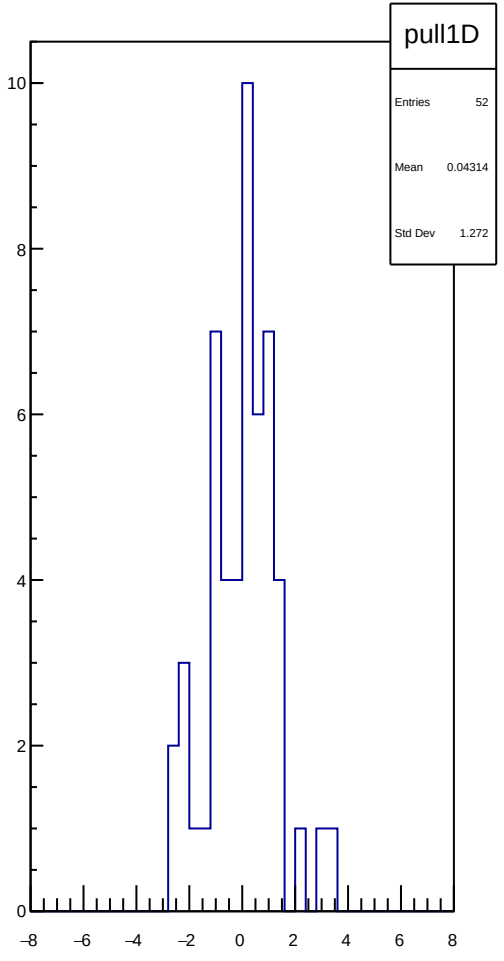

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 321.2 / 51
p0 −2.418 ± 0.1001
pull
Entries 52
Mean 56.39
Std Dev 17.45

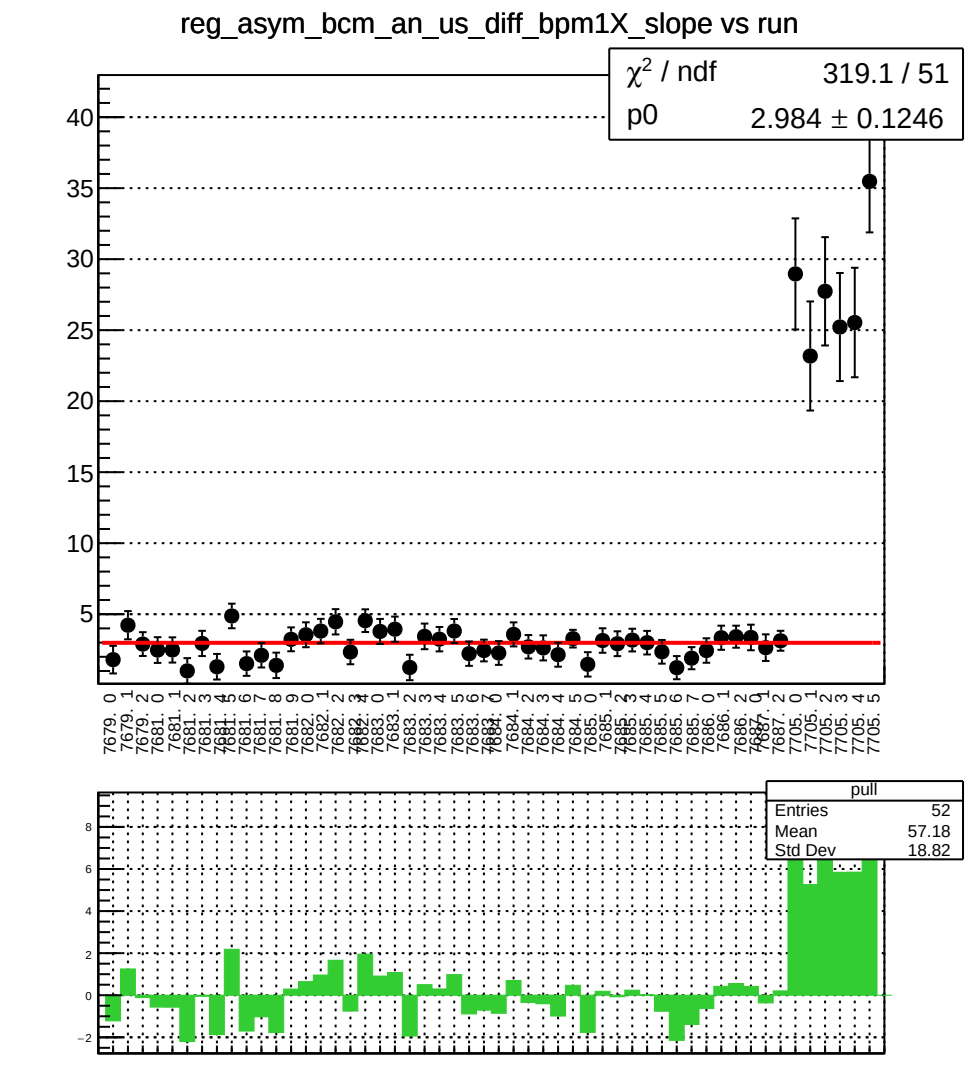

pull1D
Entries 52
Mean −0.4329
Std Dev 2.119

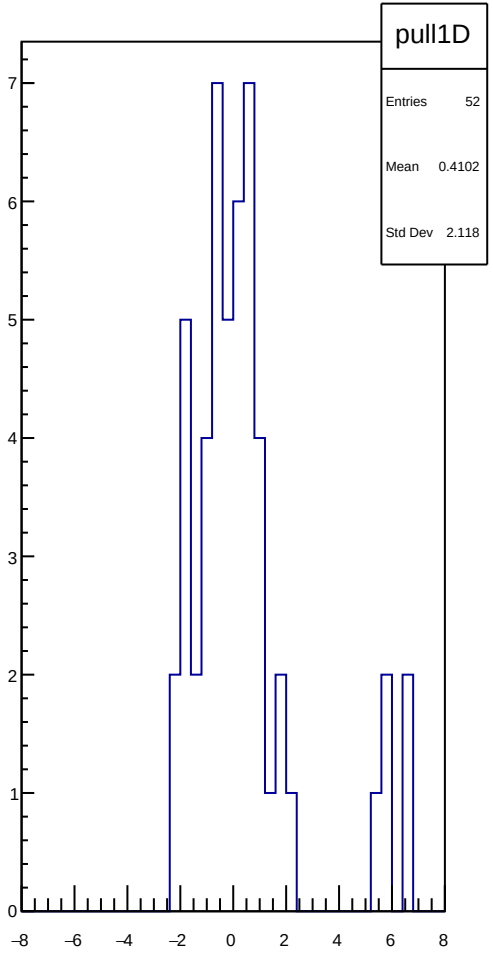

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 85.18 / 51
p0 −1.634 ± 0.3029
pull
Entries 52
Mean 55.67
Std Dev 14.52

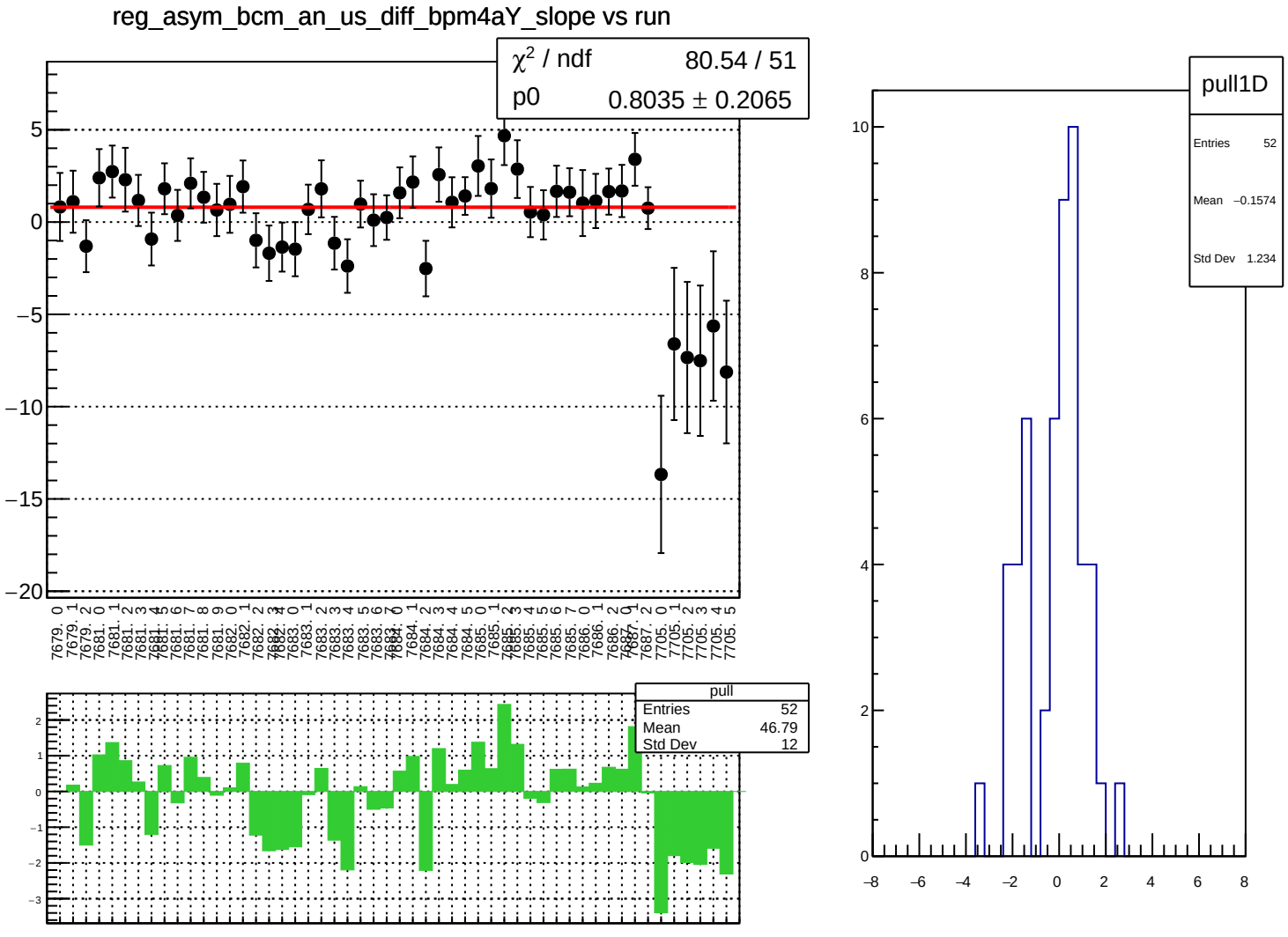

pull1D
Entries 52
Mean 0.1224
Std Dev 1.274

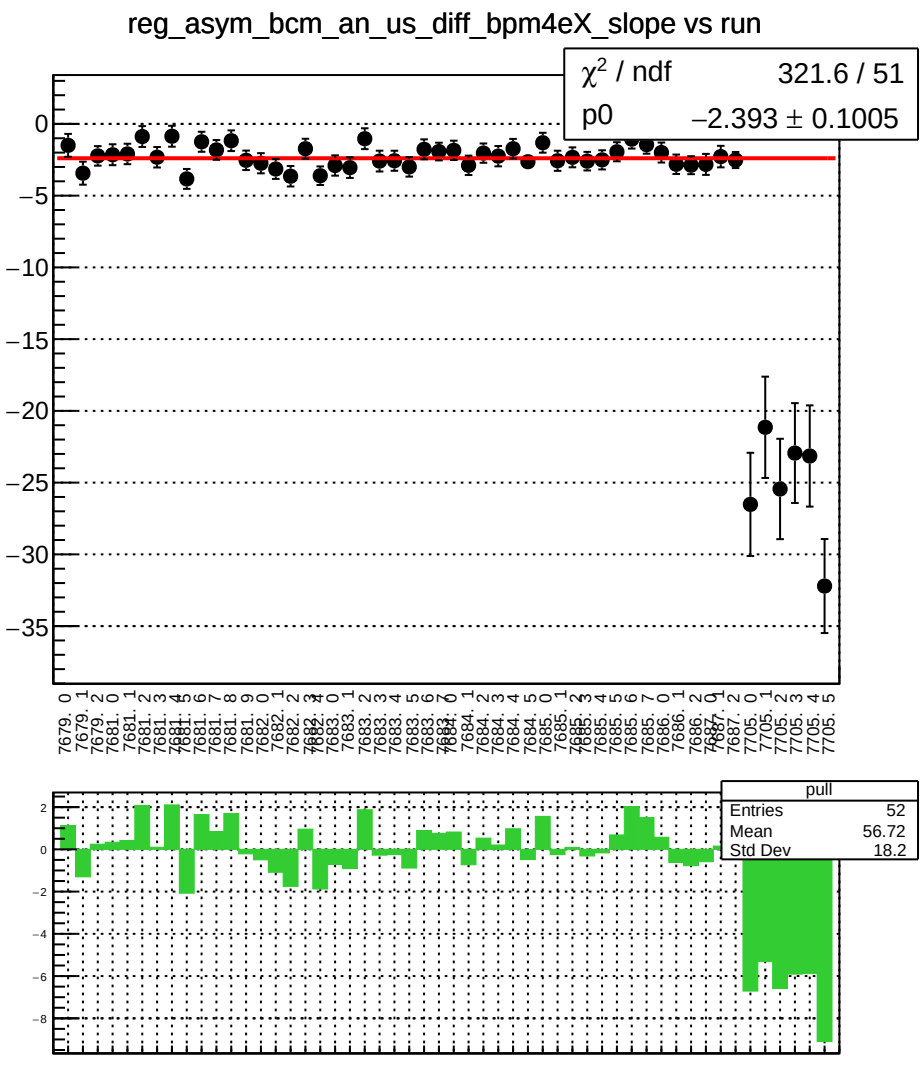

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 84.29 / 51
p0 0.3841± 0.01467
pull
Entries 52
Mean 148.8
Std Dev 114.8

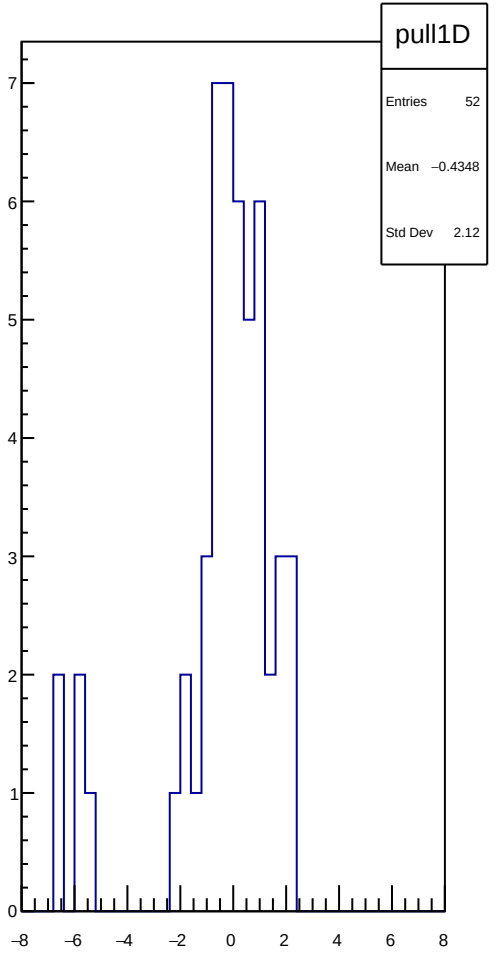

pull1D
Entries 52
Mean 0.04314
Std Dev 1.272

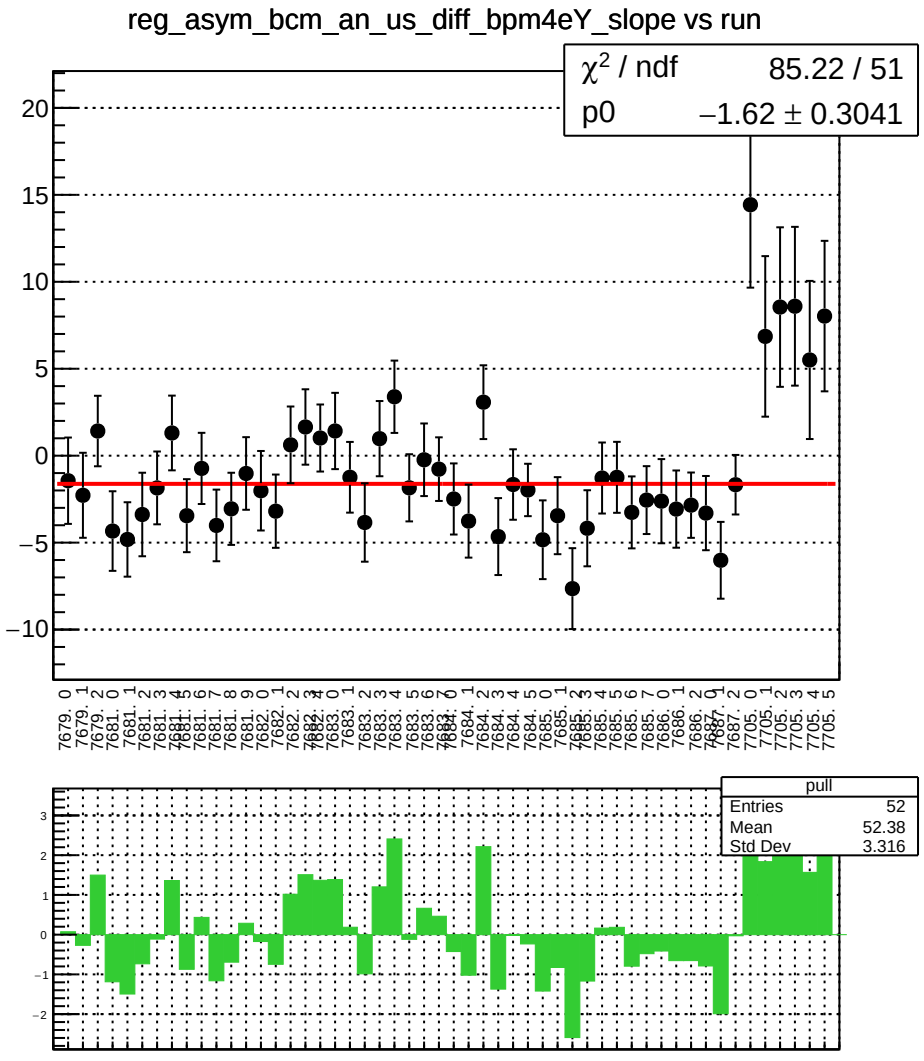

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 319.1 / 51
p0 2.984 ± 0.1246
pull
Entries 52
Mean 57.18
Std Dev 18.82

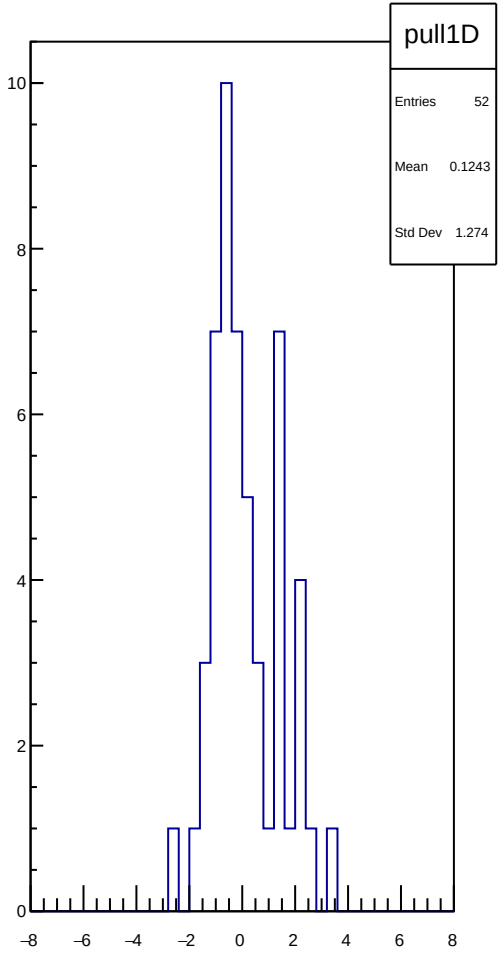

pull1D
Entries 52
Mean 0.4102
Std Dev 2.118

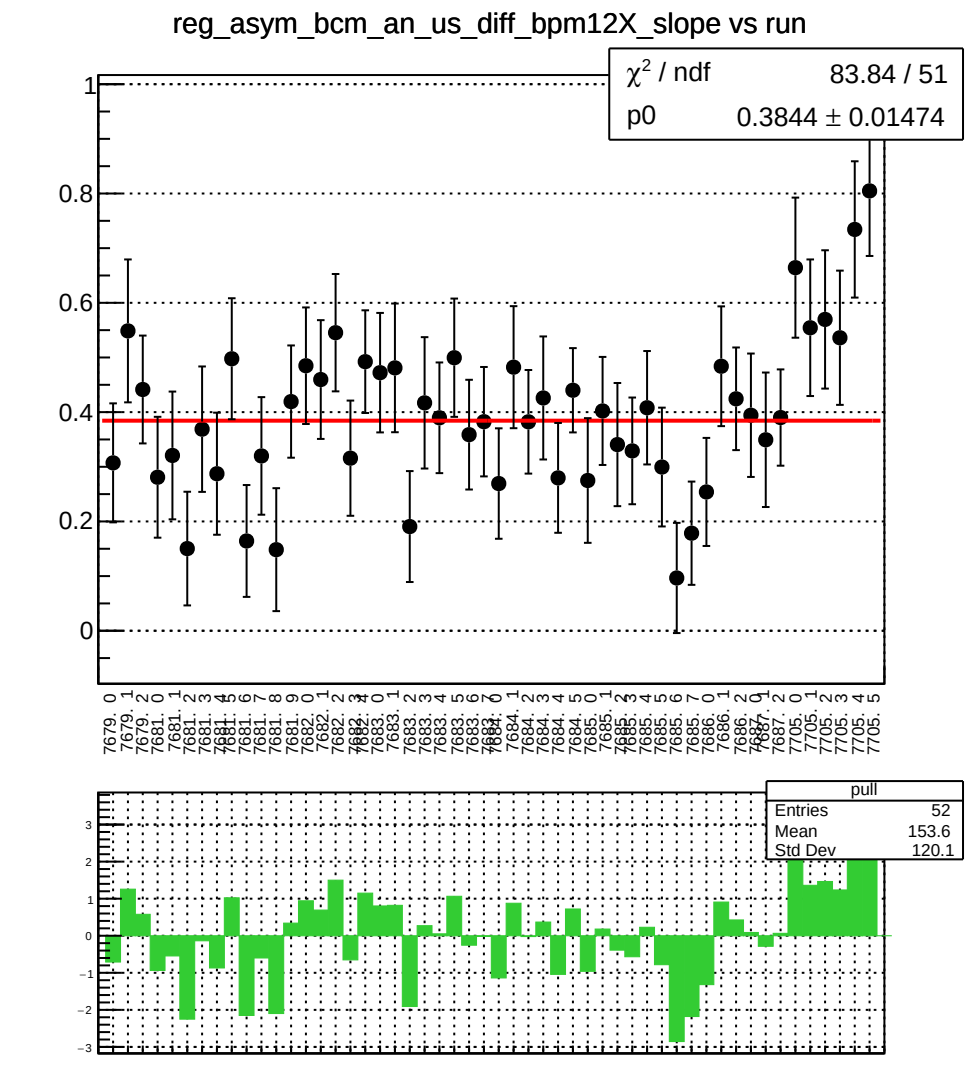

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 80.54 / 51
p0 0.8035 ± 0.2065
pull
Entries 52
Mean 46.79
Std Dev 12
pull1D
Entries 52
Mean −0.1574
Std Dev 1.234

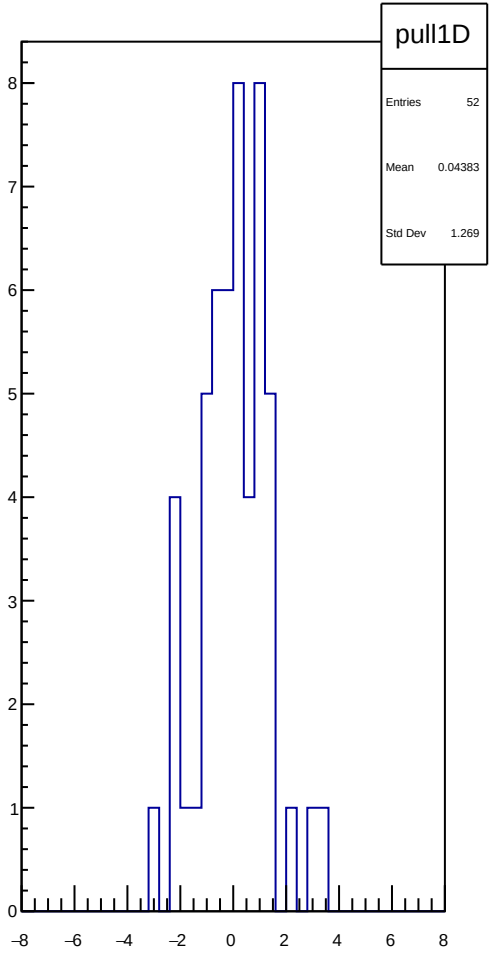

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 321.6 / 51
p0 −2.393 ± 0.1005
pull
Entries 52
Mean 56.72
Std Dev 18.2

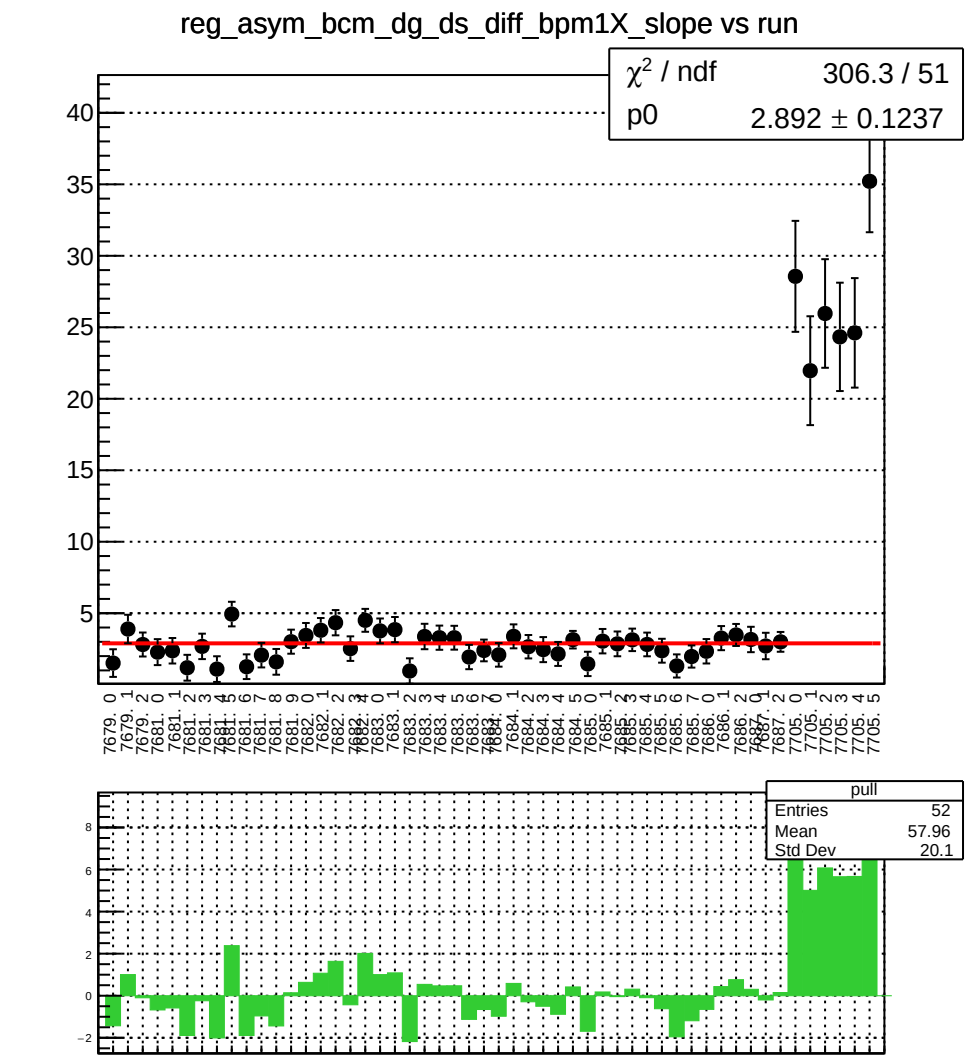

pull1D
Entries 52
Mean −0.4348
Std Dev 2.12

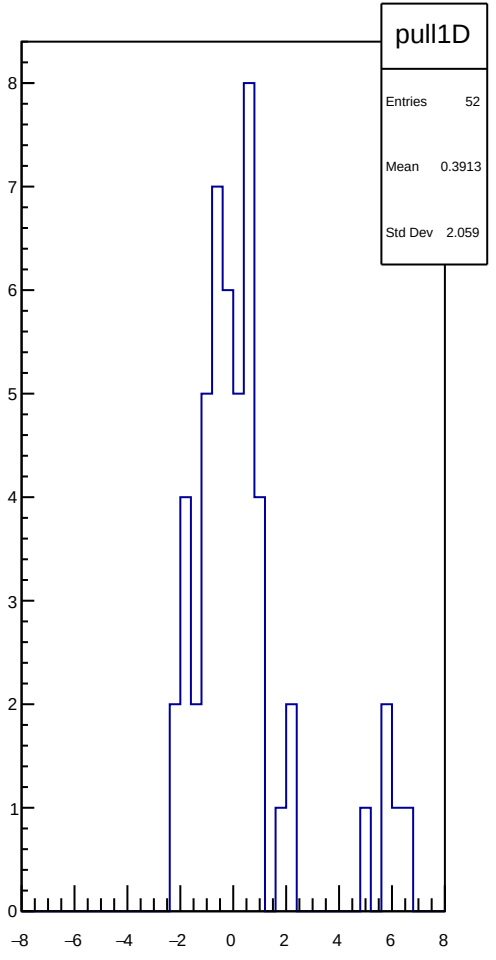

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 85.22 / 51
p0 −1.62 ± 0.3041
pull
Entries 52
Mean 52.38
Std Dev 3.316

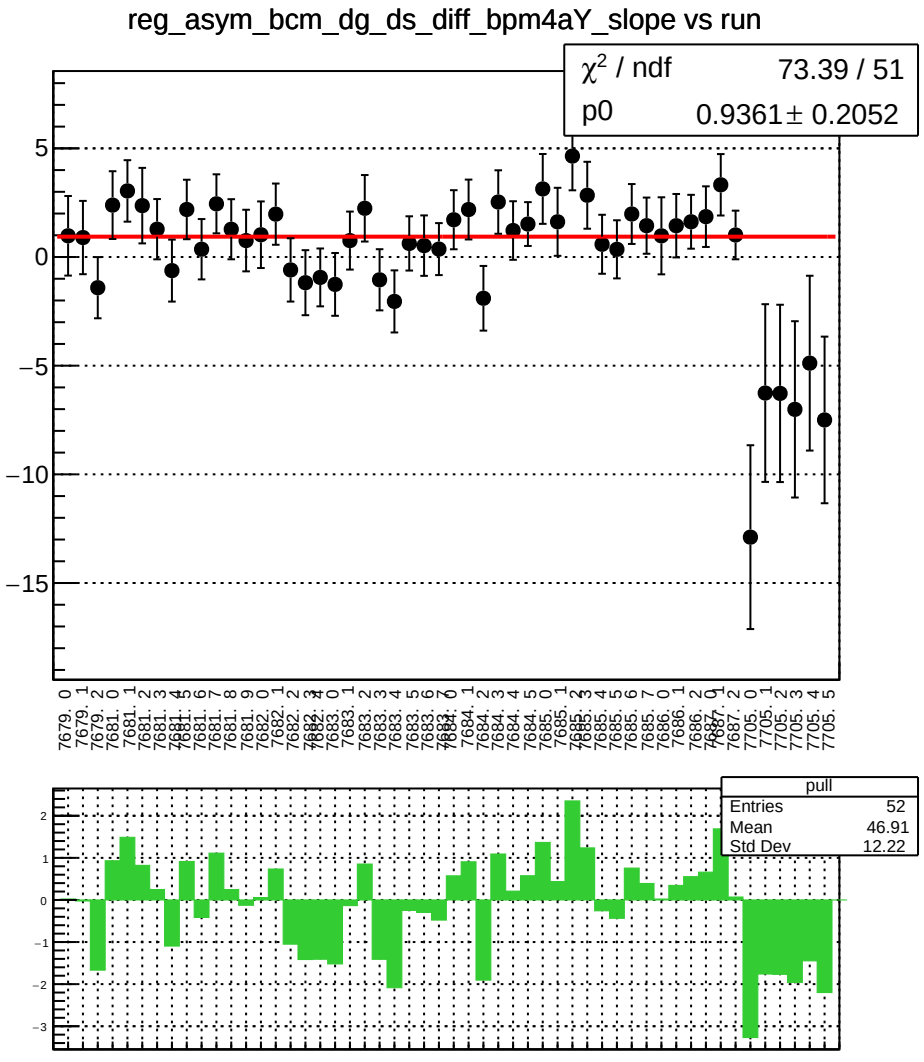

pull1D
Entries 52
Mean 0.1243
Std Dev 1.274

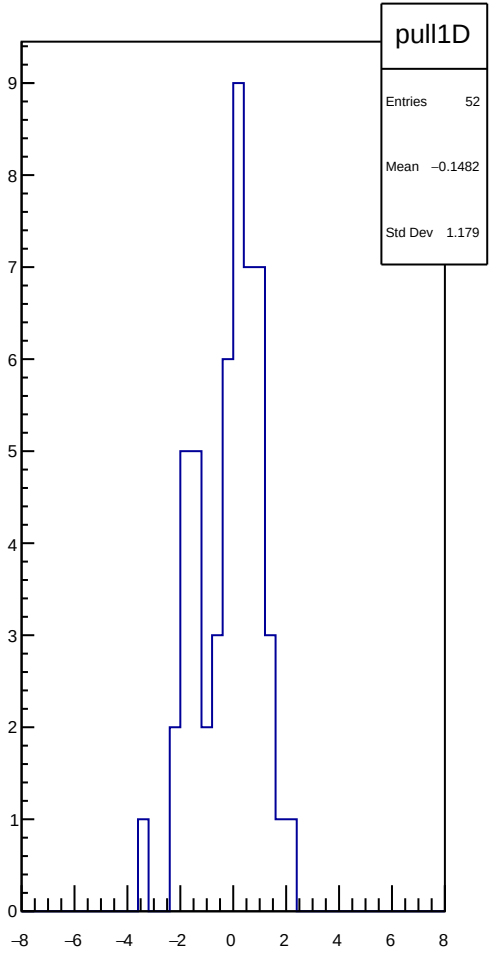

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 83.84 / 51
p0 0.3844 ± 0.01474
pull
Entries 52
Mean 153.6
Std Dev 120.1


pull1D
Entries 52
Mean 0.04383
Std Dev 1.269

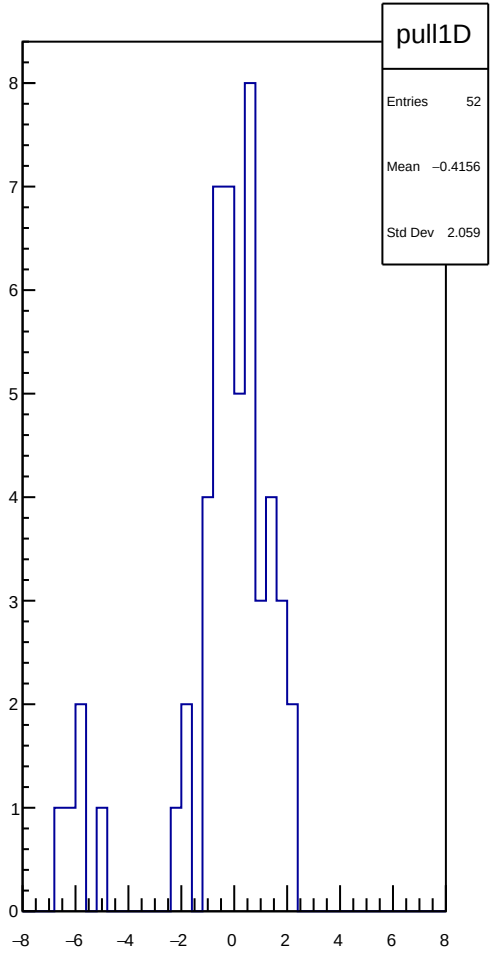

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 306.3 / 51
p0 2.892 ± 0.1237
pull
Entries 52
Mean 57.96
Std Dev 20.1

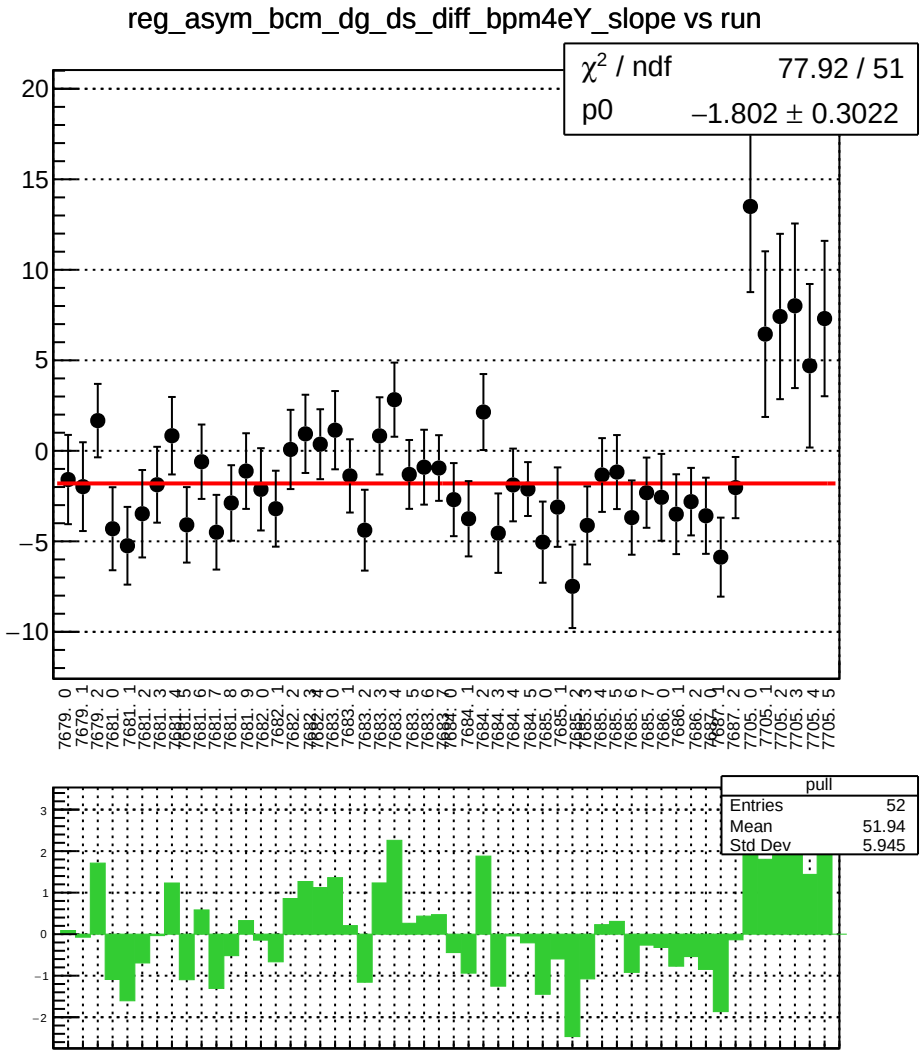

pull1D
Entries 52
Mean 0.3913
Std Dev 2.059

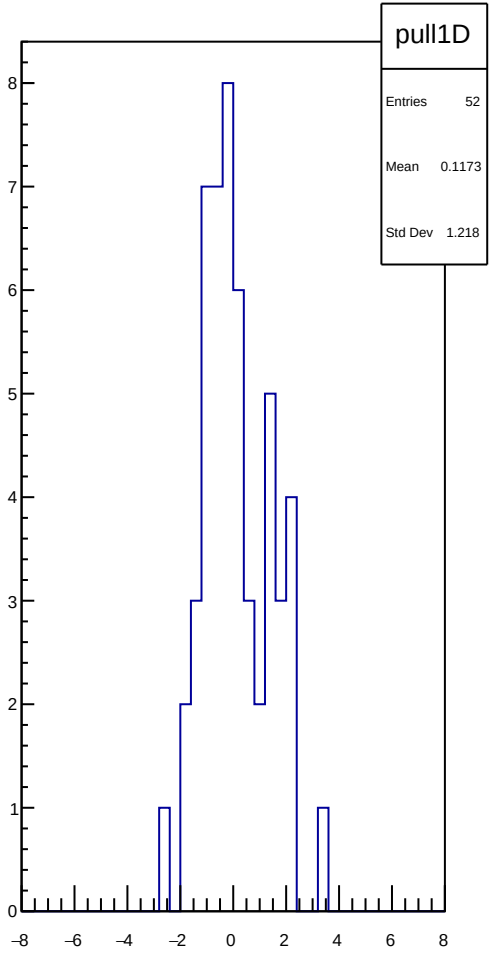

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 73.39 / 51
p0 0.9361± 0.2052
pull
Entries 52
Mean 46.91
Std Dev 12.22

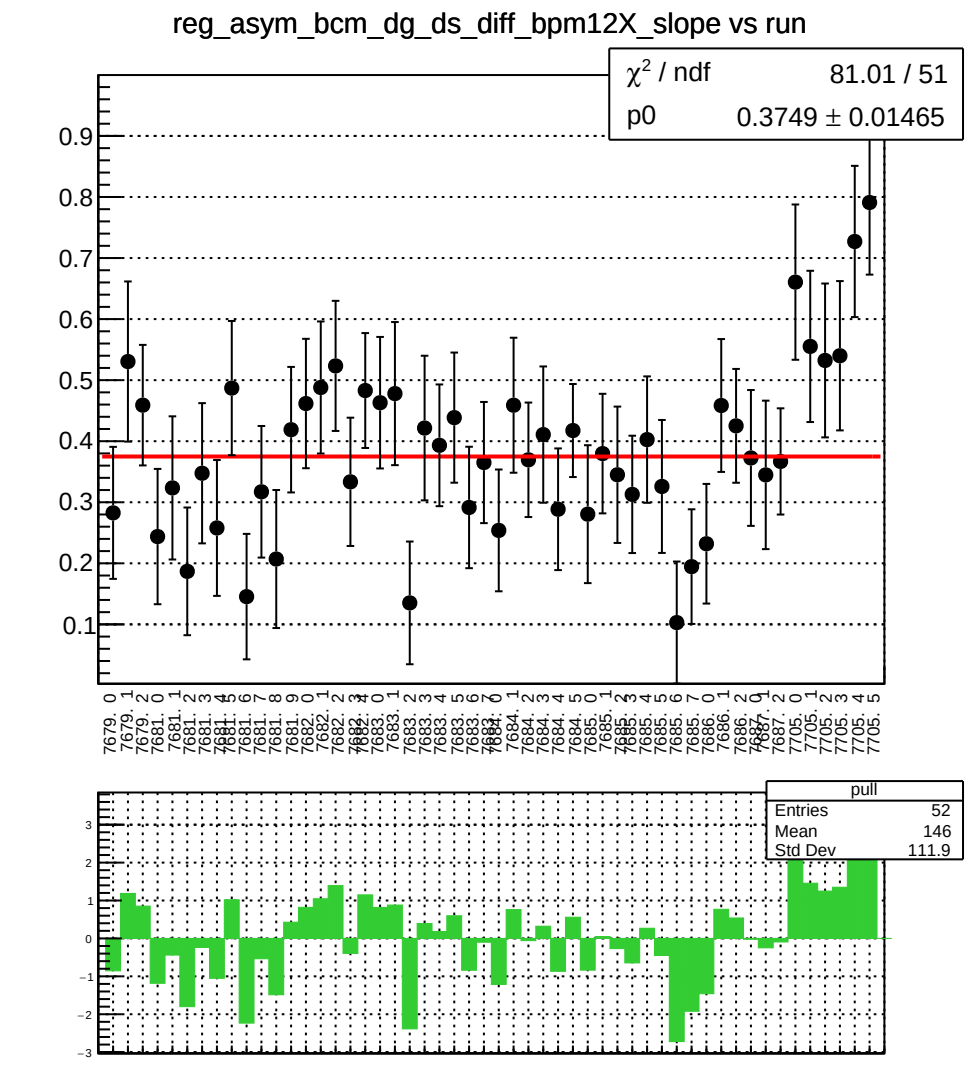

pull1D
Entries 52
Mean −0.1482
Std Dev 1.179

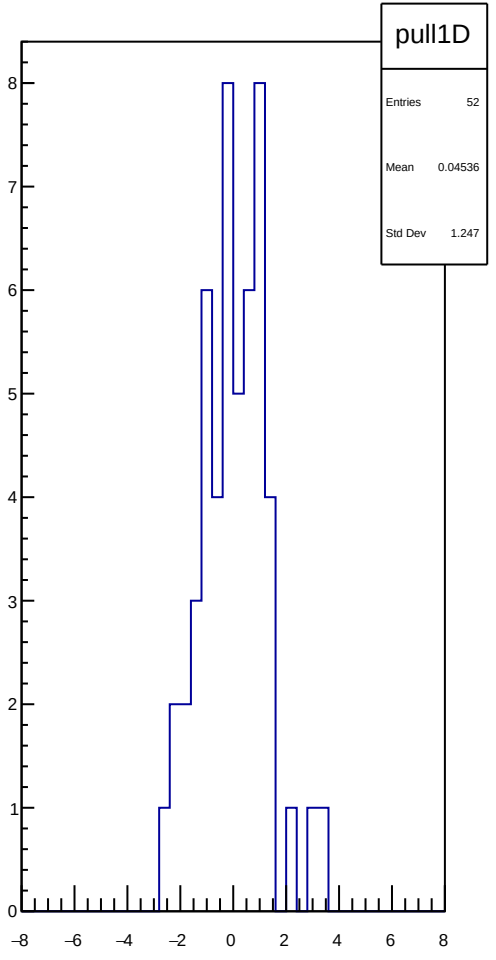

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 308.3 / 51
p0 −2.324 ± 0.09982
pull
Entries 52
Mean 57.38
Std Dev 19.29

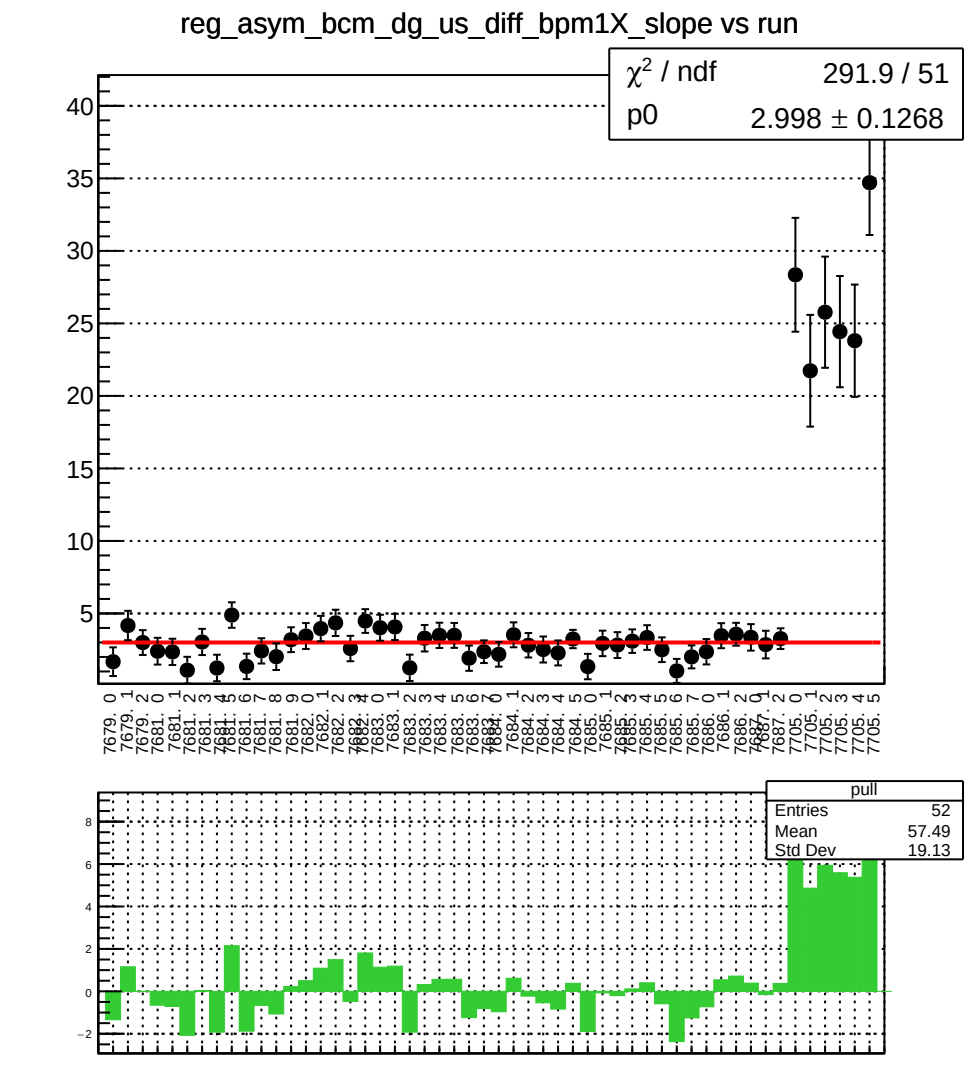

pull1D
Entries 52
Mean −0.4156
Std Dev 2.059

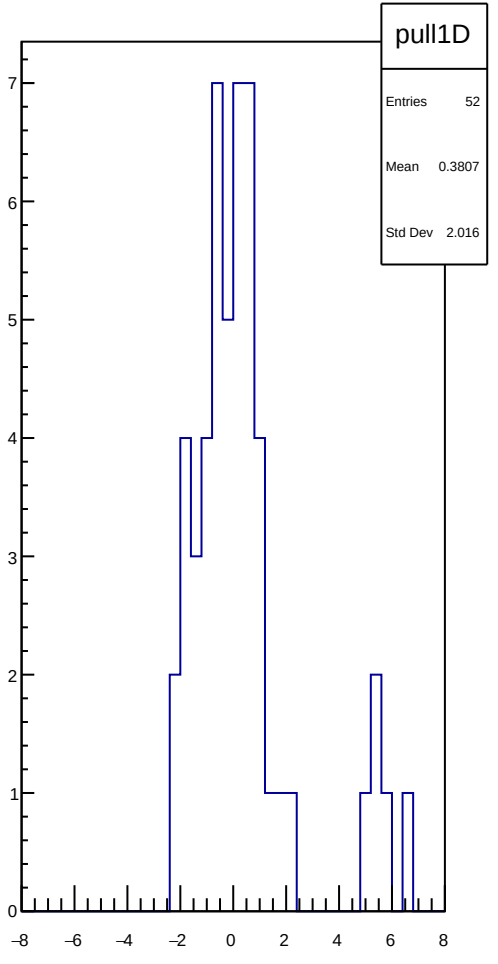

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 77.92 / 51
p0 −1.802 ± 0.3022
pull
Entries 52
Mean 51.94
Std Dev 5.945

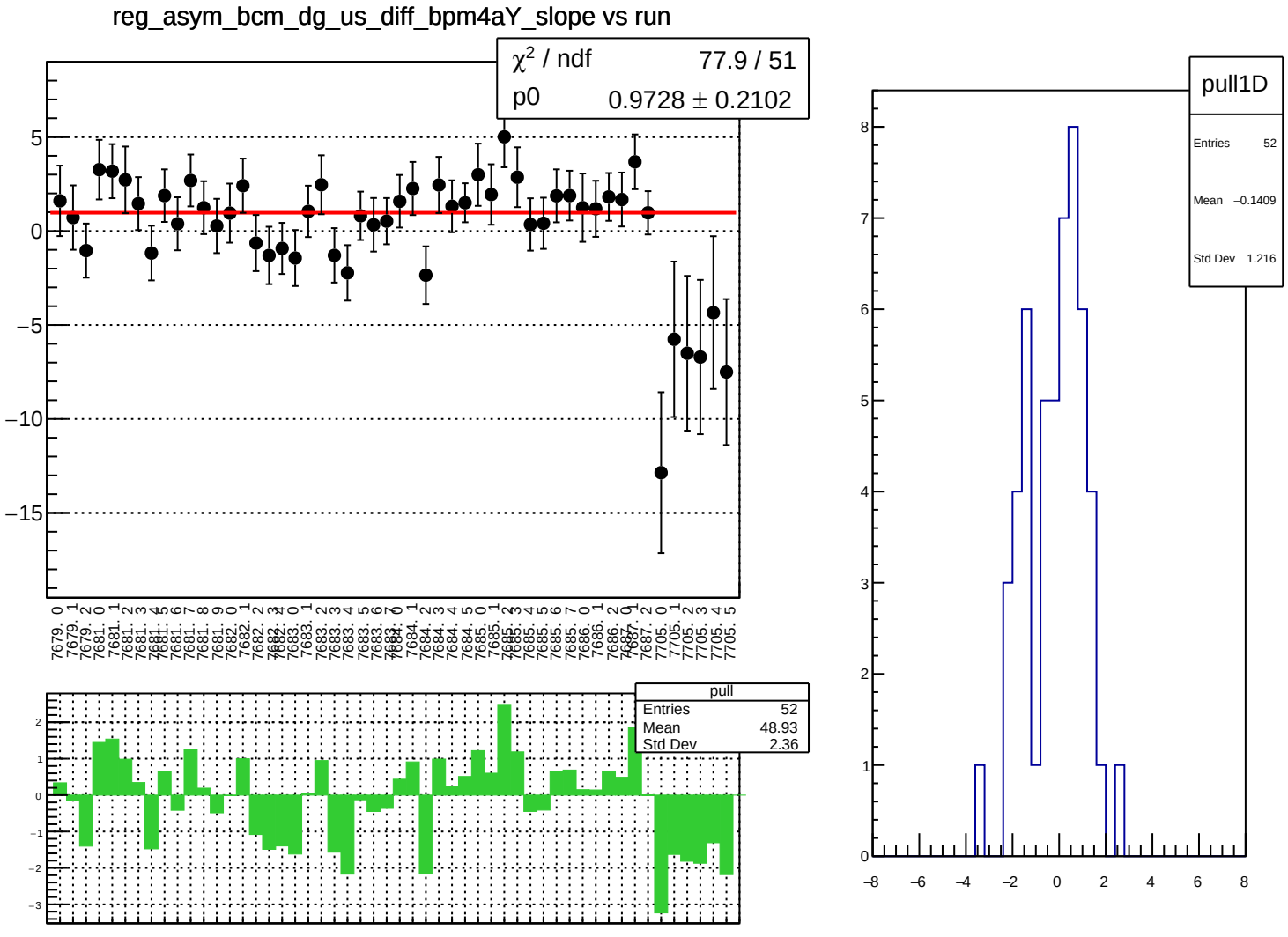

pull1D
Entries 52
Mean 0.1173
Std Dev 1.218

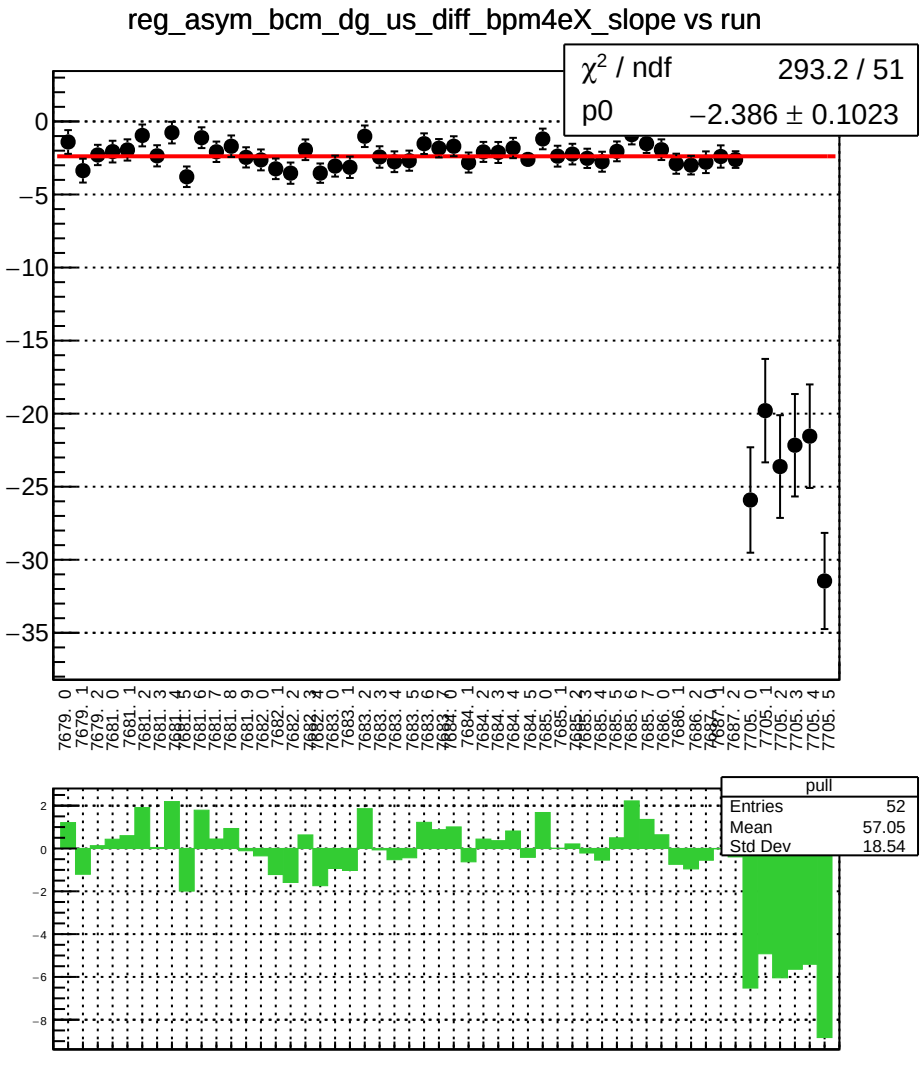

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 81.01 / 51
p0 0.3749 ± 0.01465
pull
Entries 52
Mean 146
Std Dev 111.9

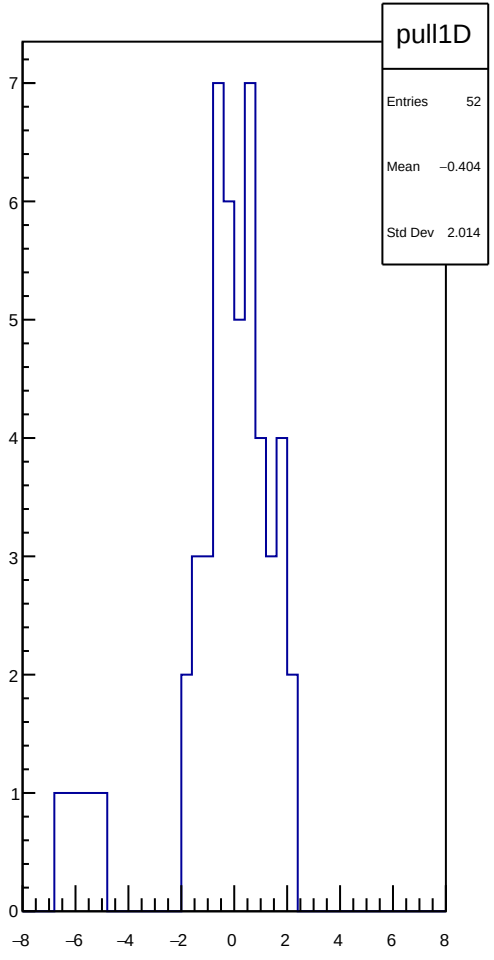

pull1D
Entries 52
Mean 0.04536
Std Dev 1.247

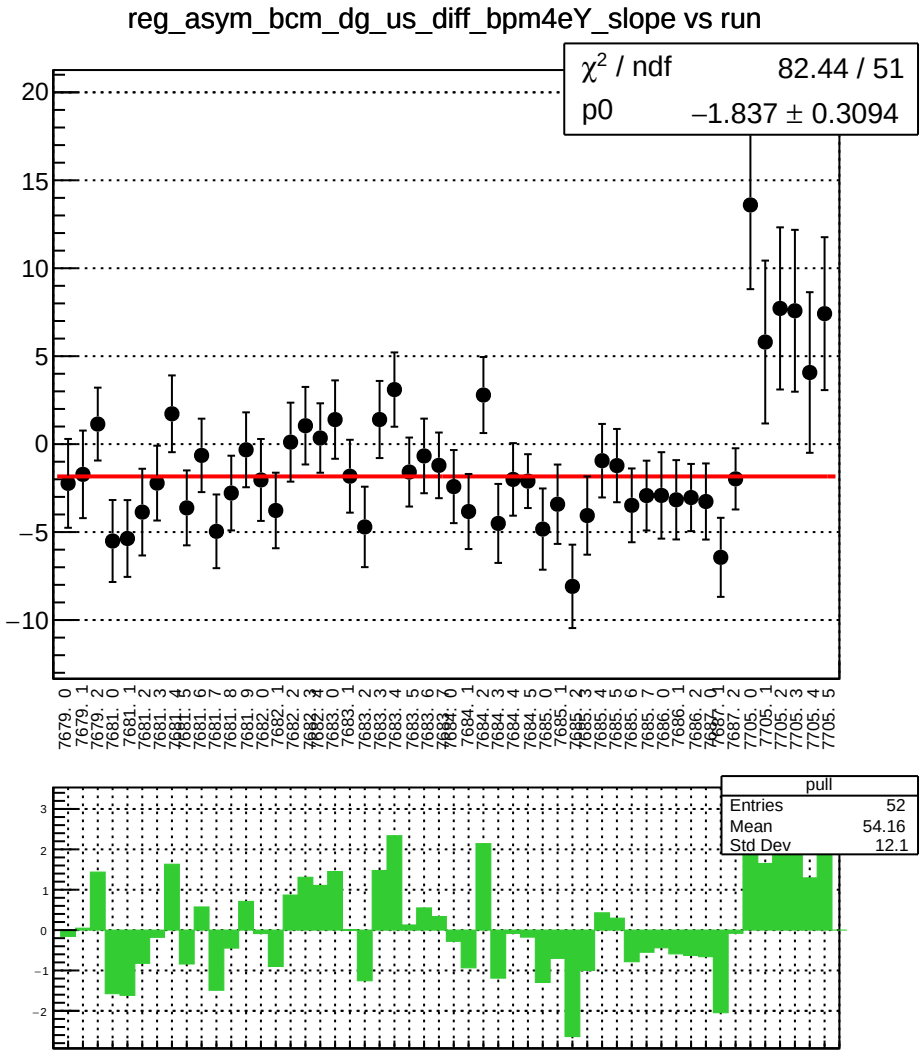

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 291.9 / 51
p0 2.998 ± 0.1268
pull
Entries 52
Mean 57.49
Std Dev 19.13

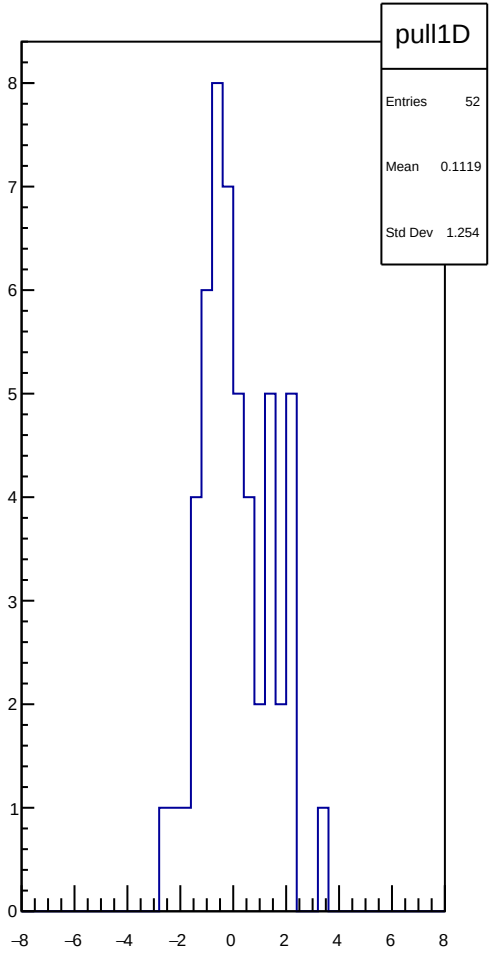

pull1D
Entries 52
Mean 0.3807
Std Dev 2.016

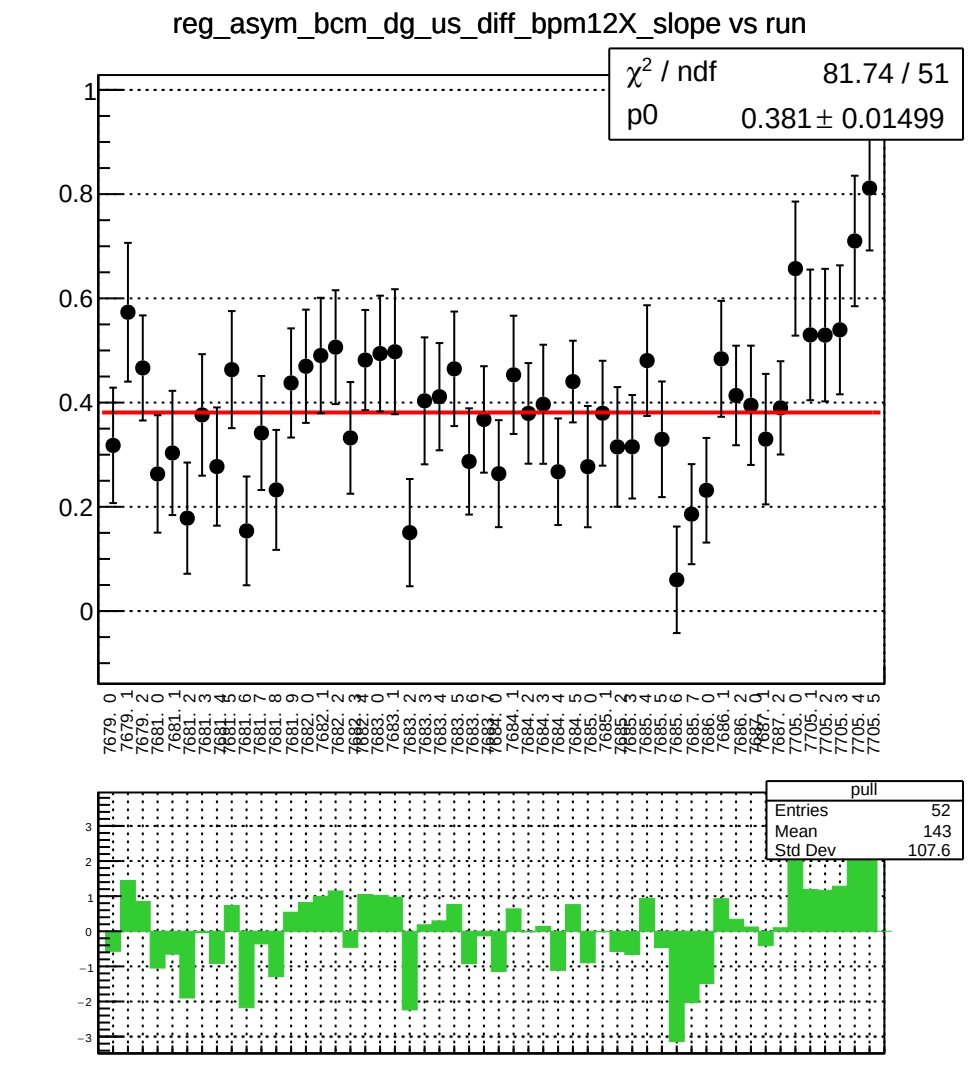

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 77.9 / 51
p0 0.9728 ± 0.2102
pull
Entries 52
Mean 48.93
Std Dev 2.36
pull1D
Entries 52
Mean −0.1409
Std Dev 1.216

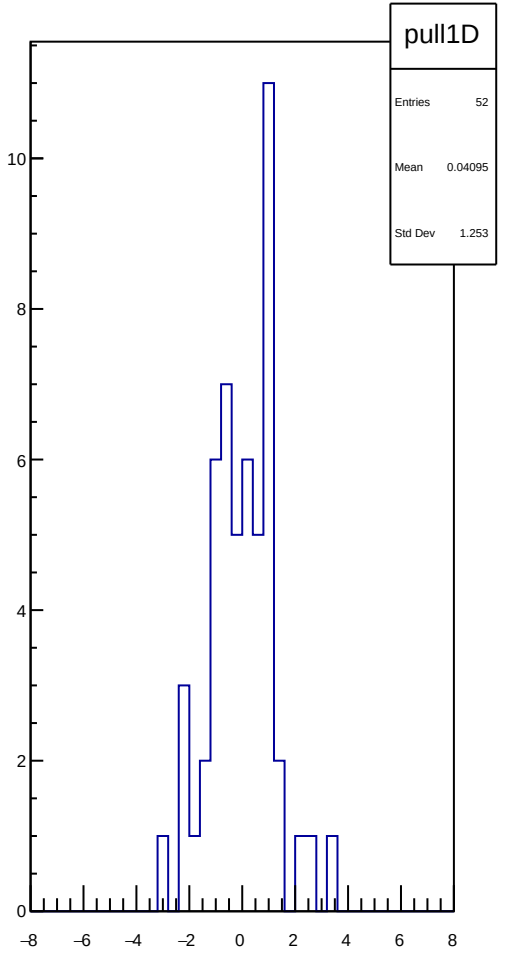

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 293.2 / 51
p0 −2.386 ± 0.1023
pull
Entries 52
Mean 57.05
Std Dev 18.54


pull1D
Entries 52
Mean −0.404
Std Dev 2.014


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 82.44 / 51
p0 −1.837 ± 0.3094
pull
Entries 52
Mean 54.16
Std Dev 12.1


pull1D
Entries 52
Mean 0.1119
Std Dev 1.254


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 81.74 / 51
p0 0.381 ± 0.01499
pull
Entries 52
Mean 143
Std Dev 107.6


pull1D
Entries 52
Mean 0.04095
Std Dev 1.253