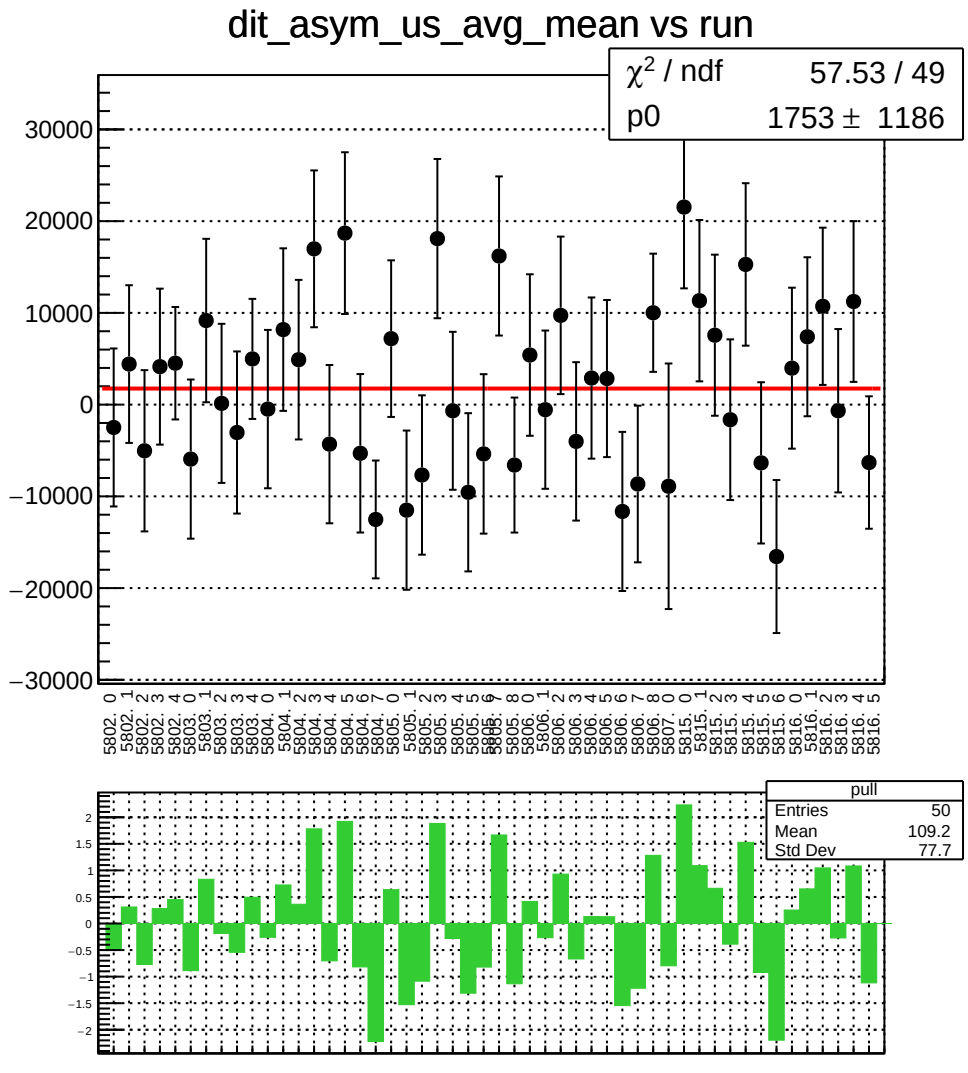
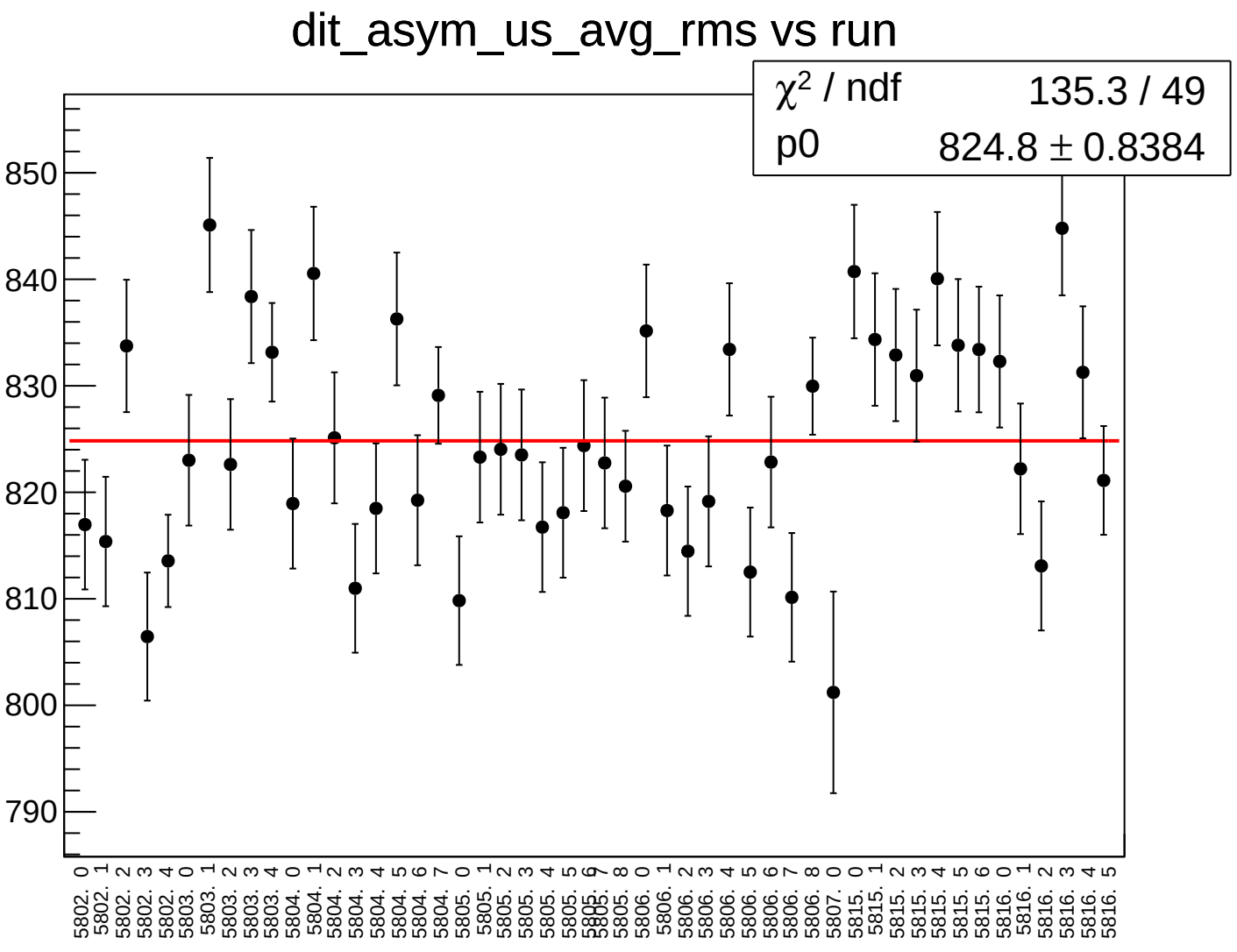
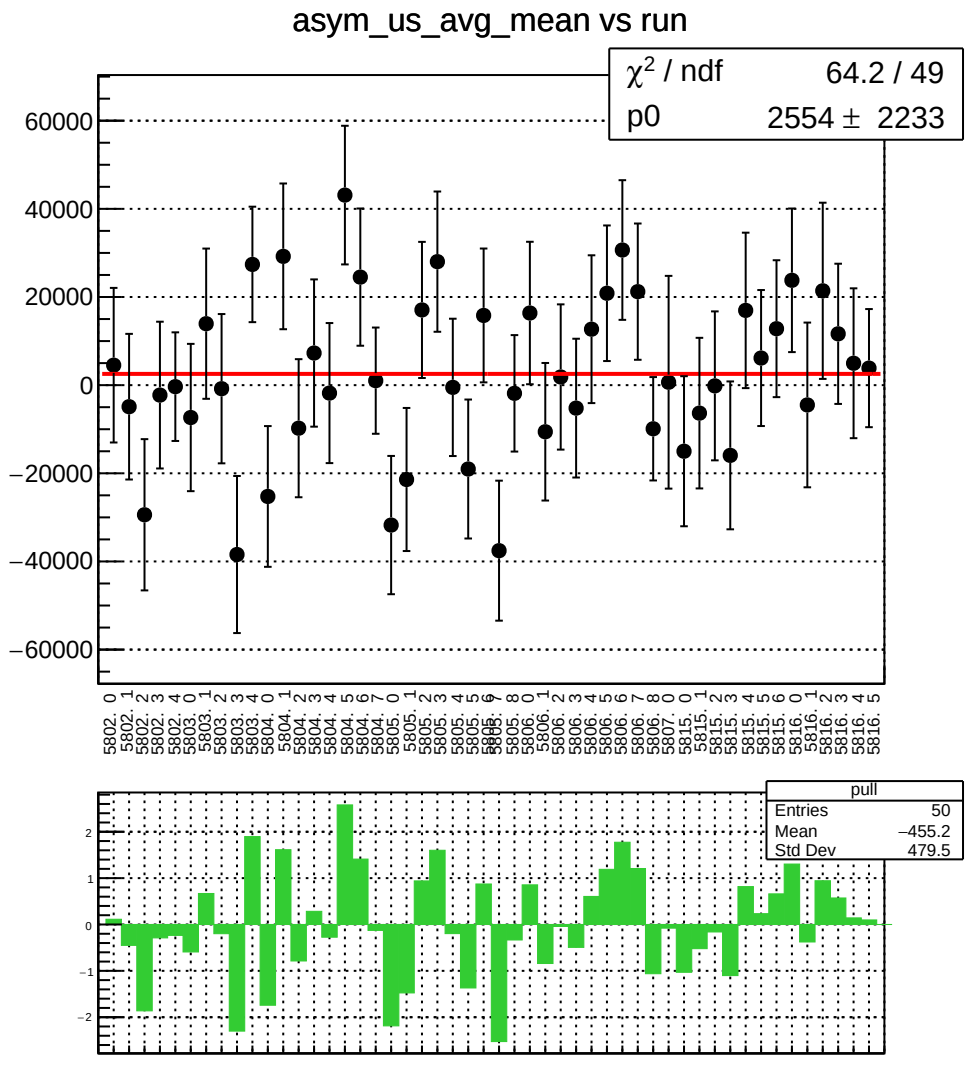
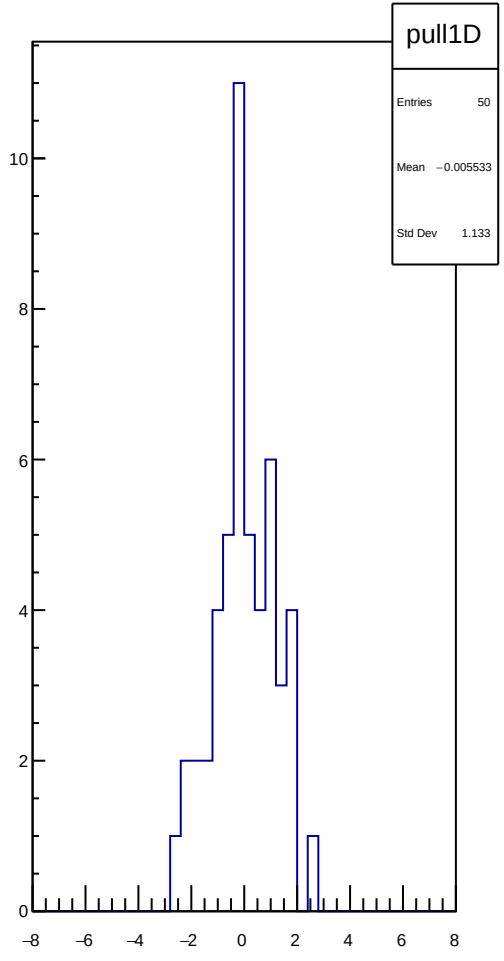
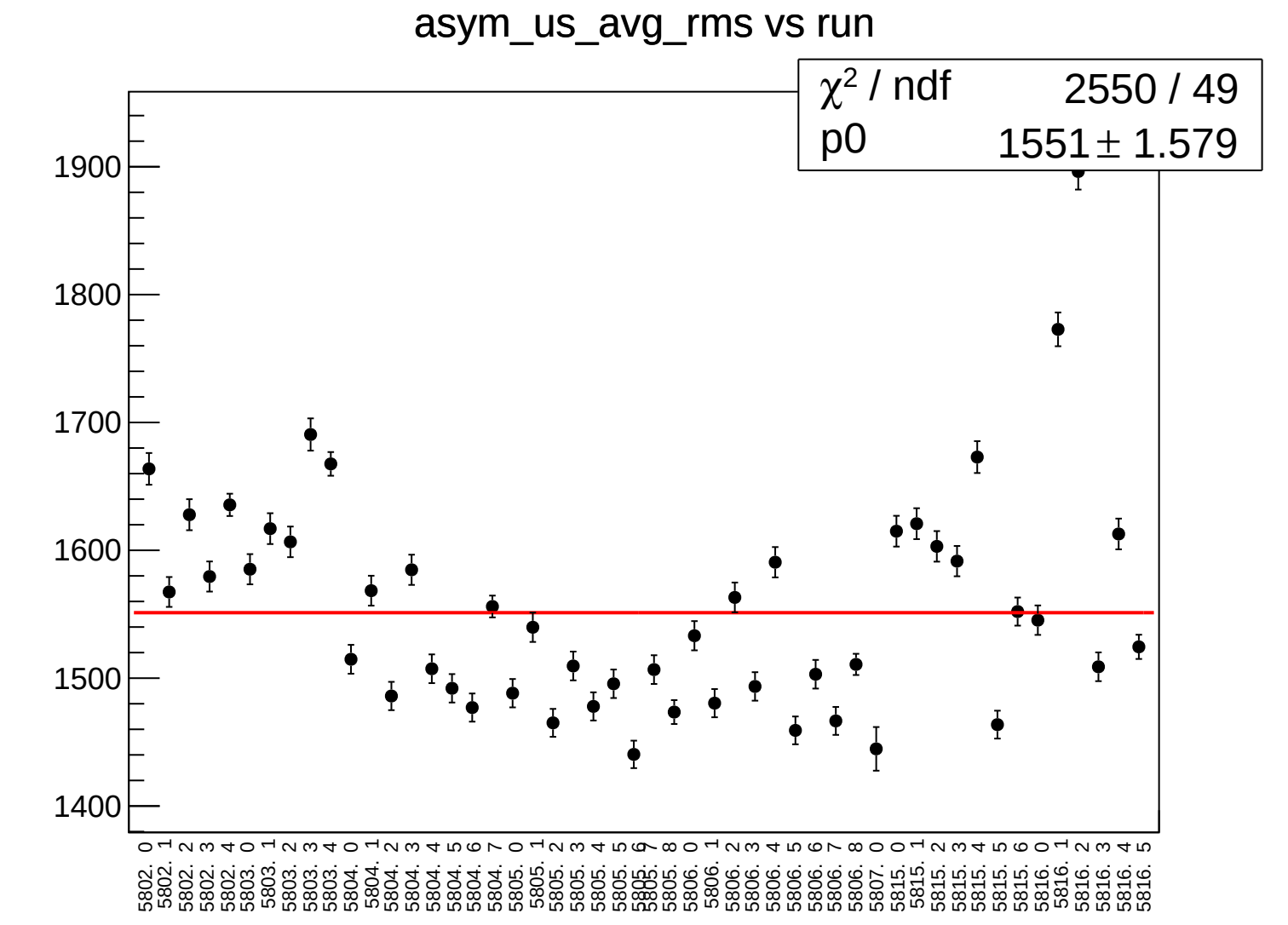
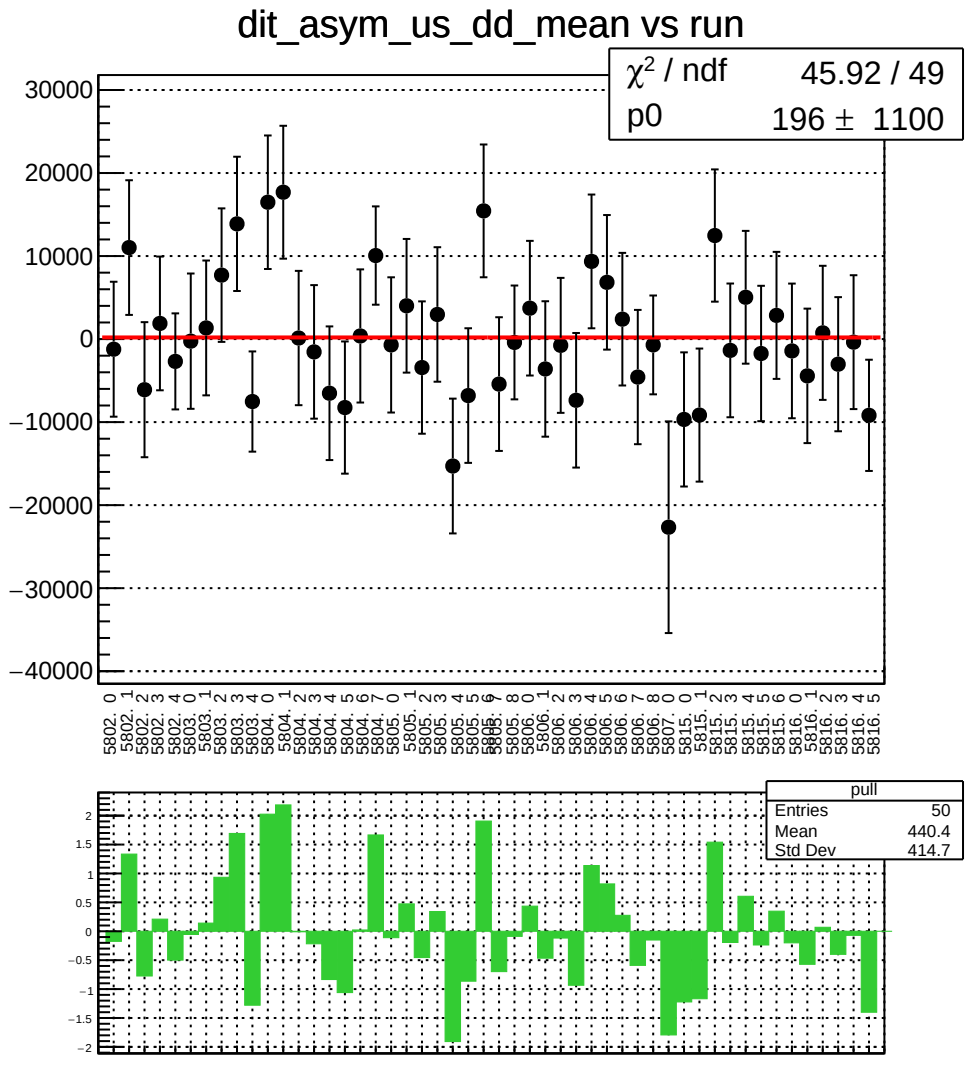

dit_asym_us_avg_mean vs run
χ² / ndf 57.53 / 49
p0 1753 ± 1186
30000
20000
10000
0
−10000
−20000
−30000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 109.2
Std Dev 77.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.006929
Std Dev 1.073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

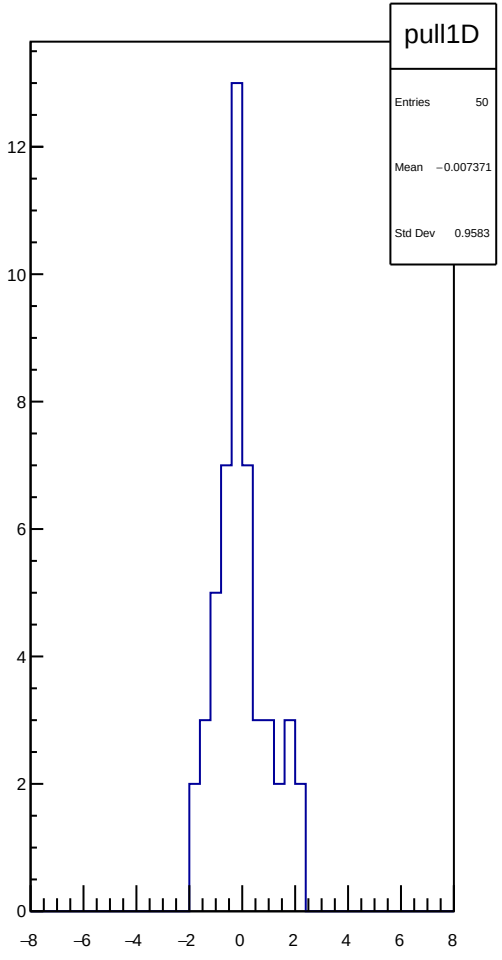

dit_asym_us_avg_rms vs run
χ² / ndf 135.3 / 49
p0 824.8 ± 0.8384
850
840
830
820
810
800
790
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

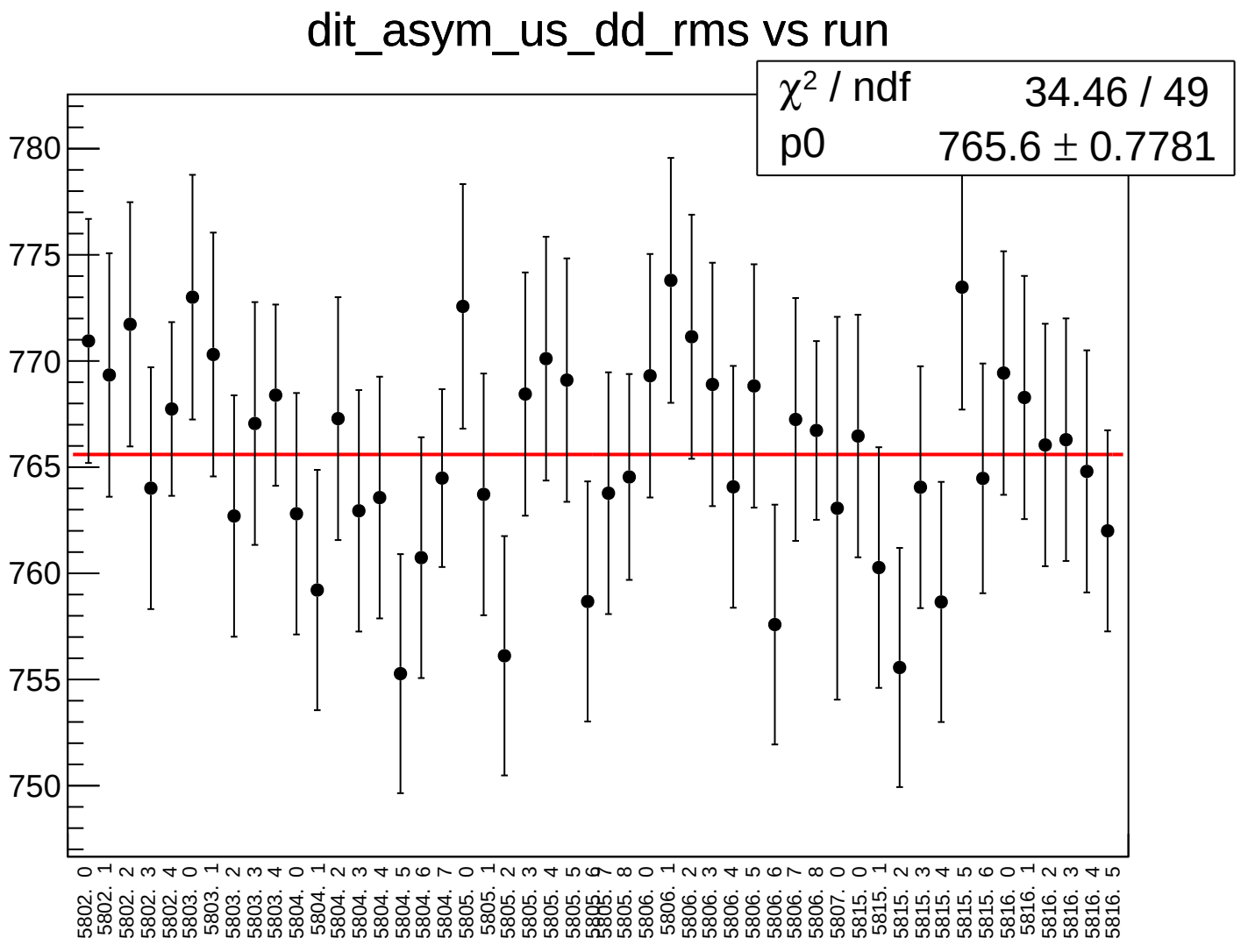

asym_us_avg_mean vs run
χ² / ndf 64.2 / 49
p0 2554 ± 2233
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −455.2
Std Dev 479.5
2
1
0
−1
−2

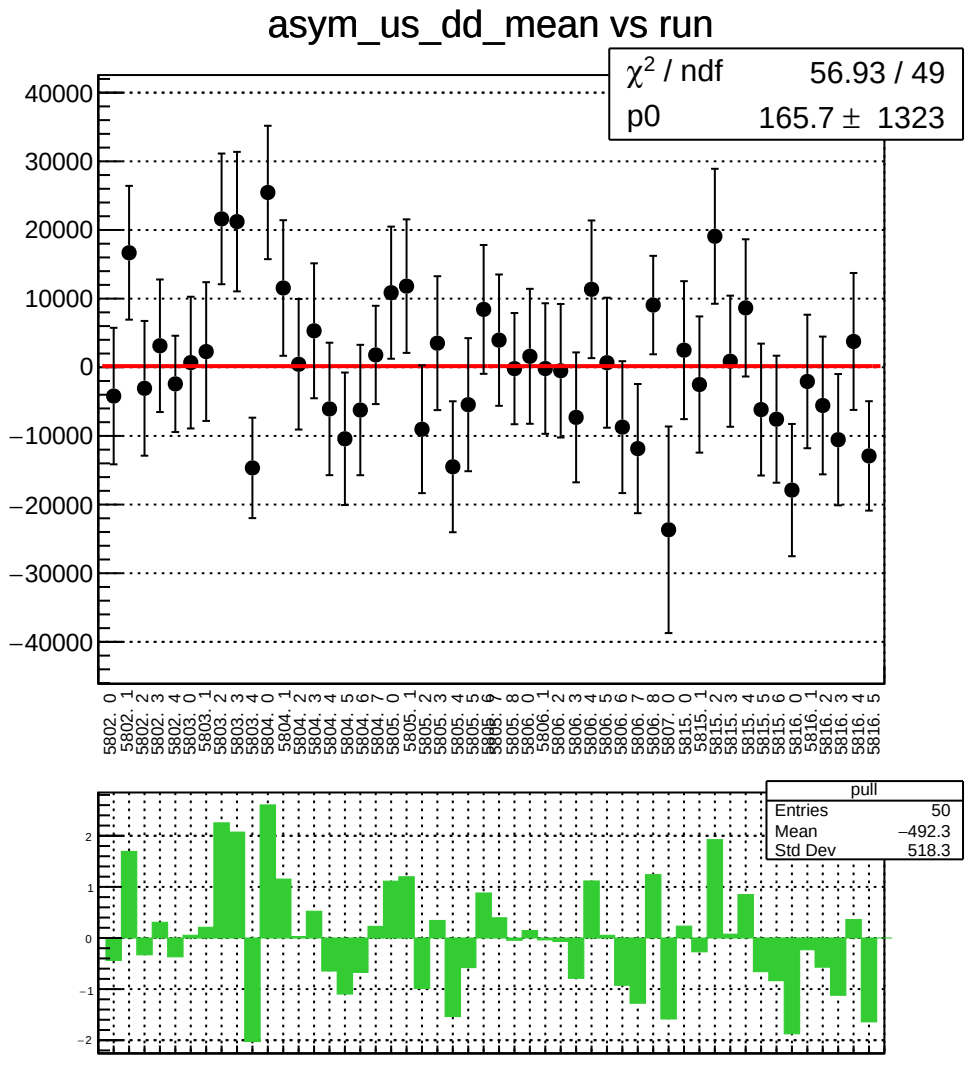

pull1D
Entries 50
Mean −0.005533
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

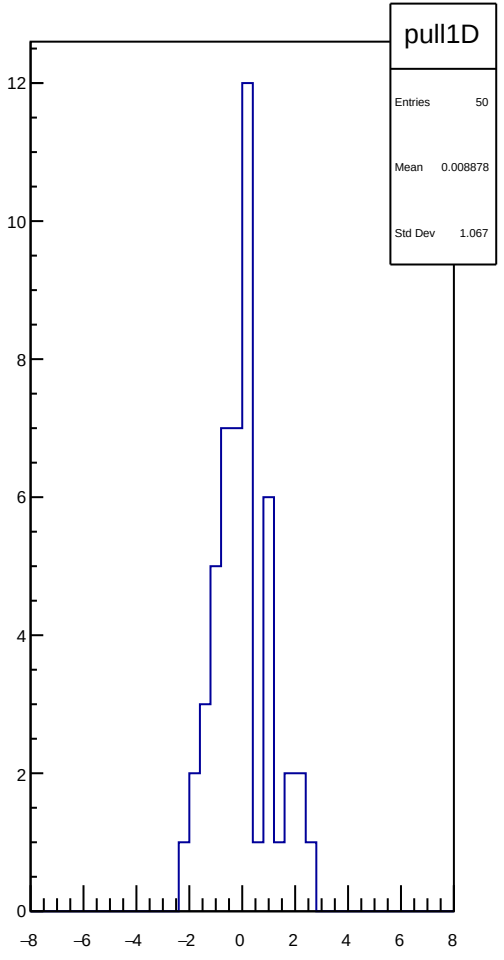

asym_us_avg_rms vs run
χ² / ndf 2550 / 49
p0 1551 ± 1.579
1900
1800
1700
1600
1500
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

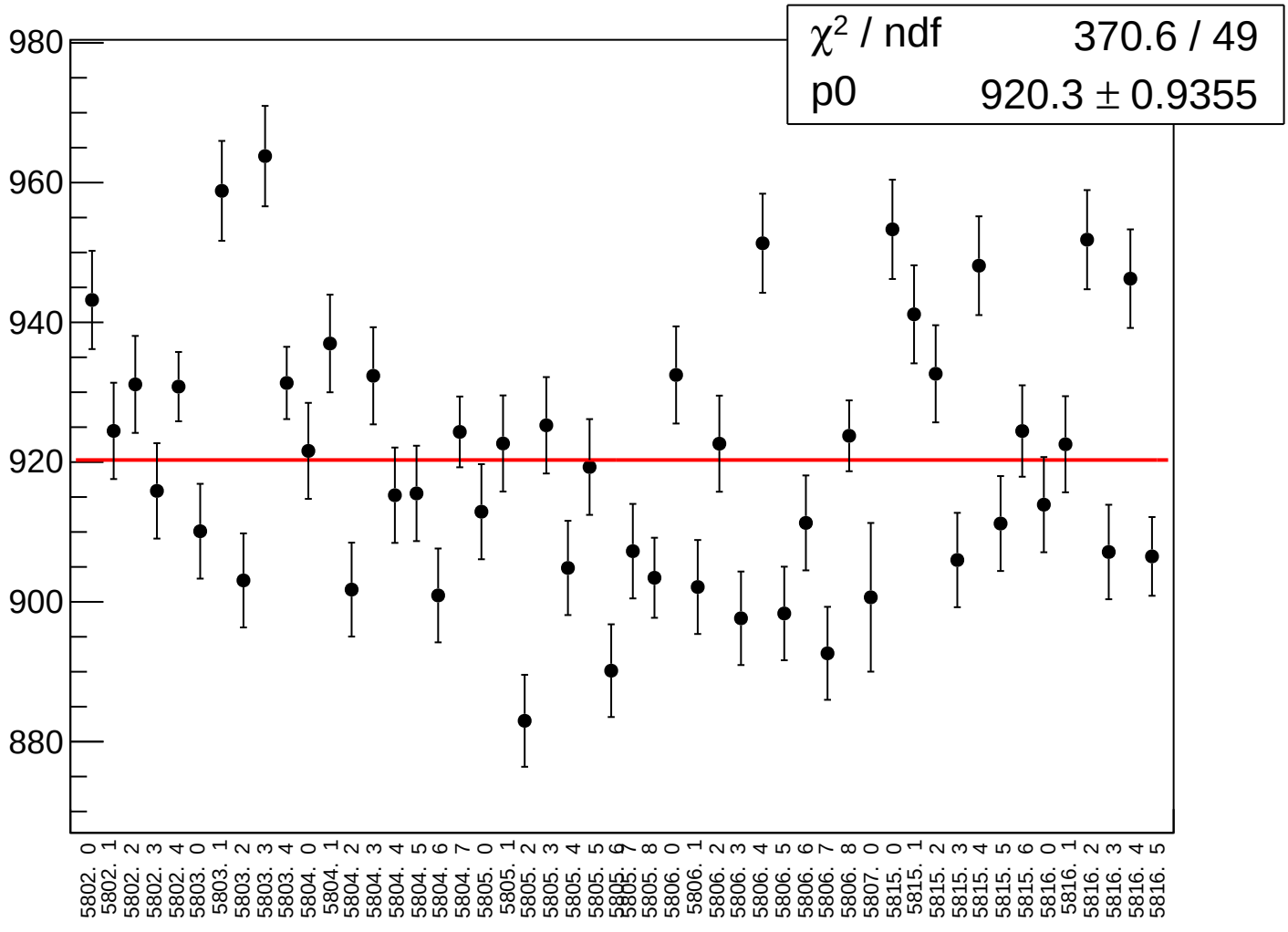

dit_asym_us_dd_mean vs run
χ² / ndf 45.92 / 49
p0 196 ± 1100
pull
Entries 50
Mean 440.4
Std Dev 414.7

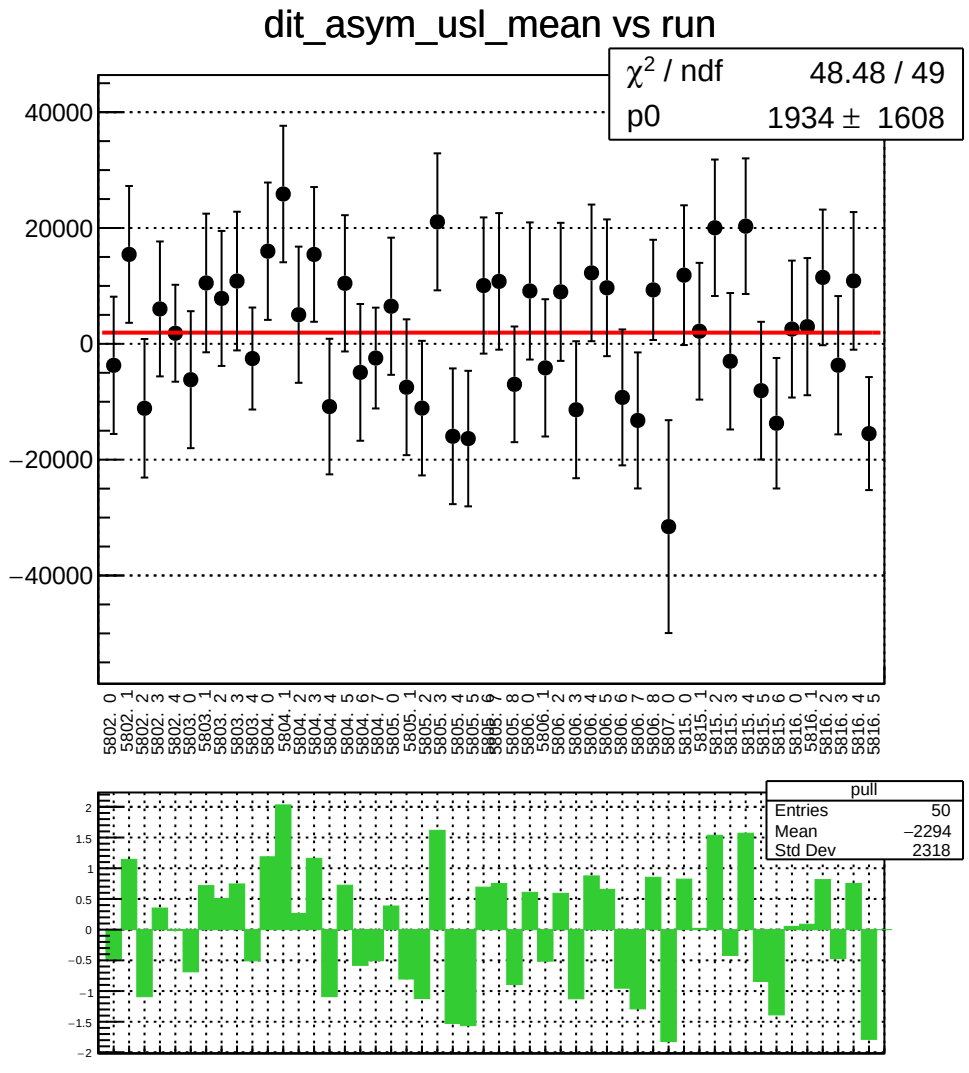

pull1D
Entries 50
Mean −0.007371
Std Dev 0.9583

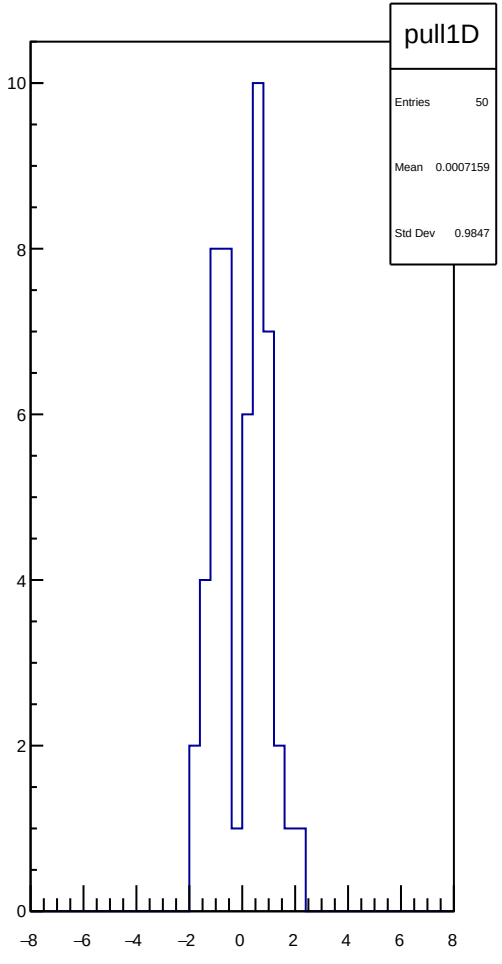

dit_asym_us_dd_rms vs run
χ² / ndf 34.46 / 49
p0 765.6 ± 0.7781
780
775
770
765
760
755
750
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

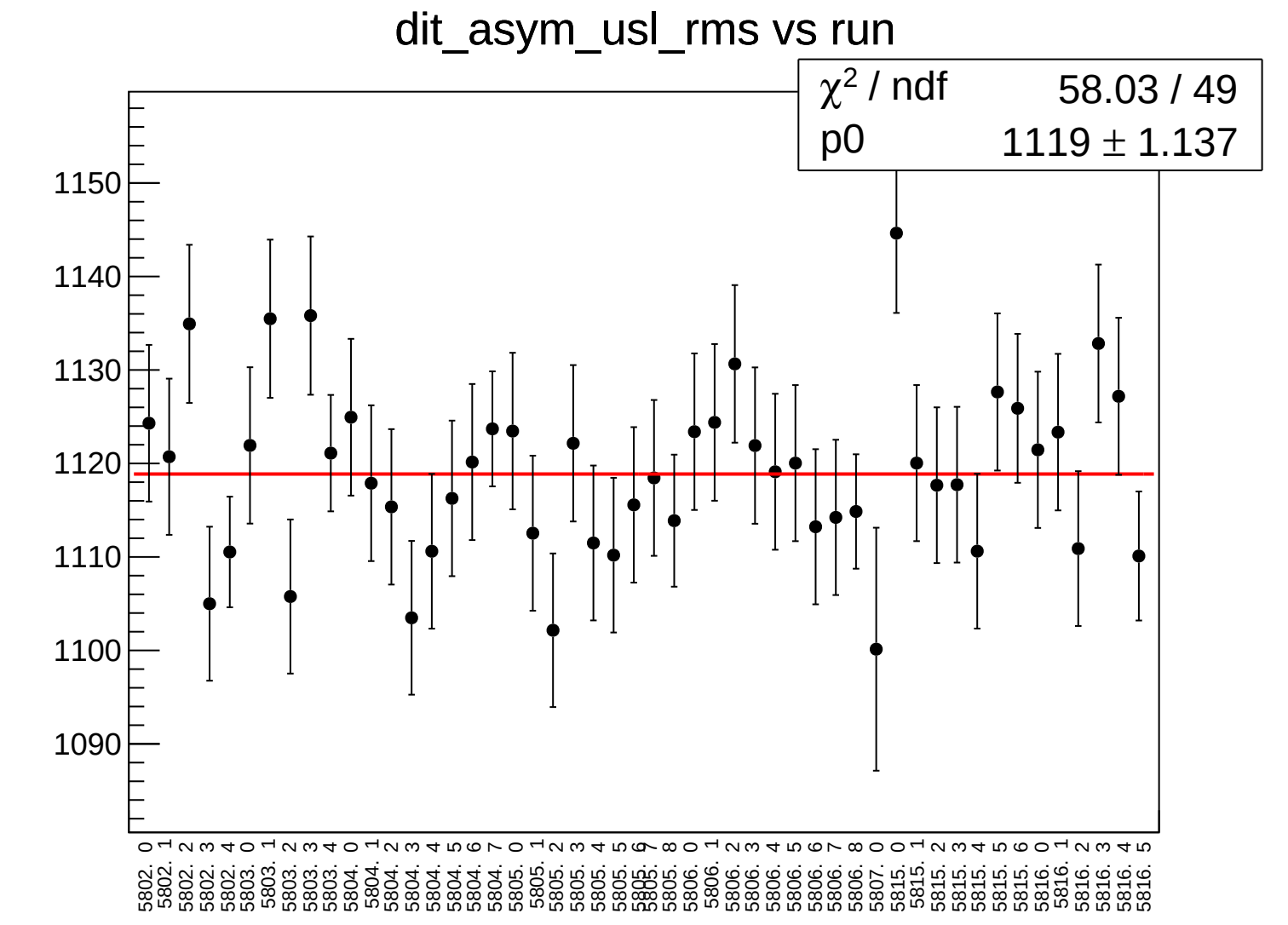

asym_us_dd_mean vs run
χ² / ndf 56.93 / 49
p0 165.7 ± 1323
pull
Entries 50
Mean −492.3
Std Dev 518.3

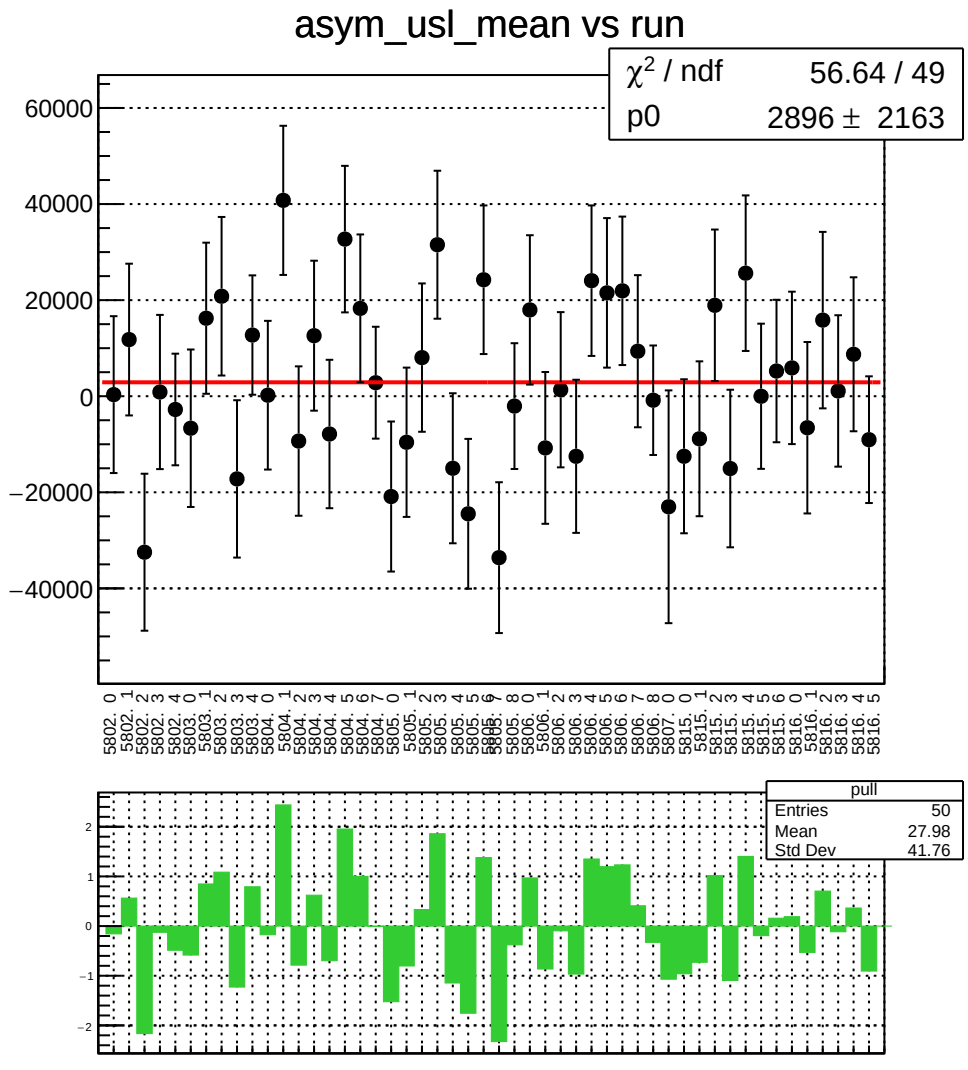

pull1D
Entries 50
Mean 0.008878
Std Dev 1.067

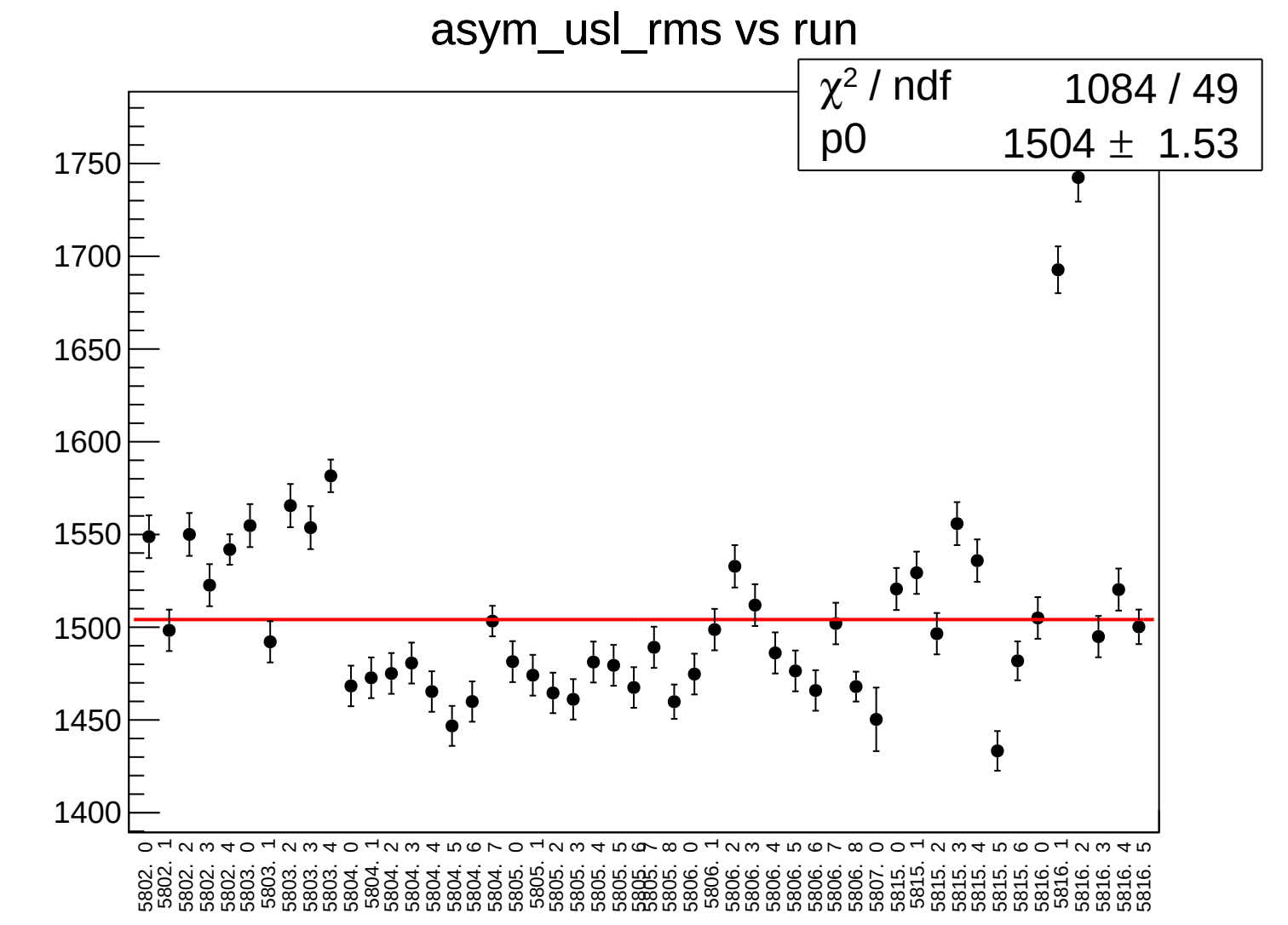

asym_us_dd_rms vs run
χ² / ndf 370.6 / 49
p0 920.3 ± 0.9355
980
960
940
920
900
880
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

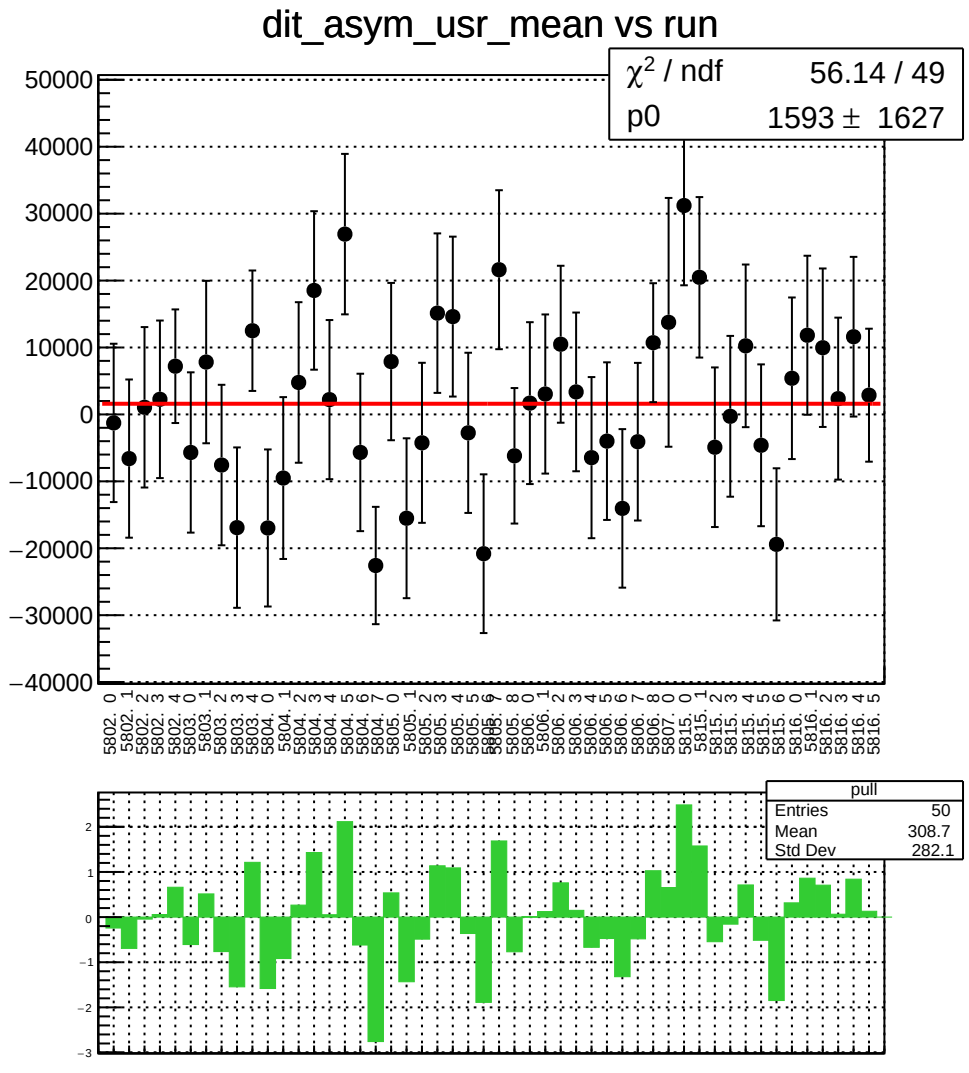

dit_asym_usl_mean vs run
χ² / ndf 48.48 / 49
p0 1934 ± 1608
40000
20000
0
−20000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean −2294
Std Dev 2318
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

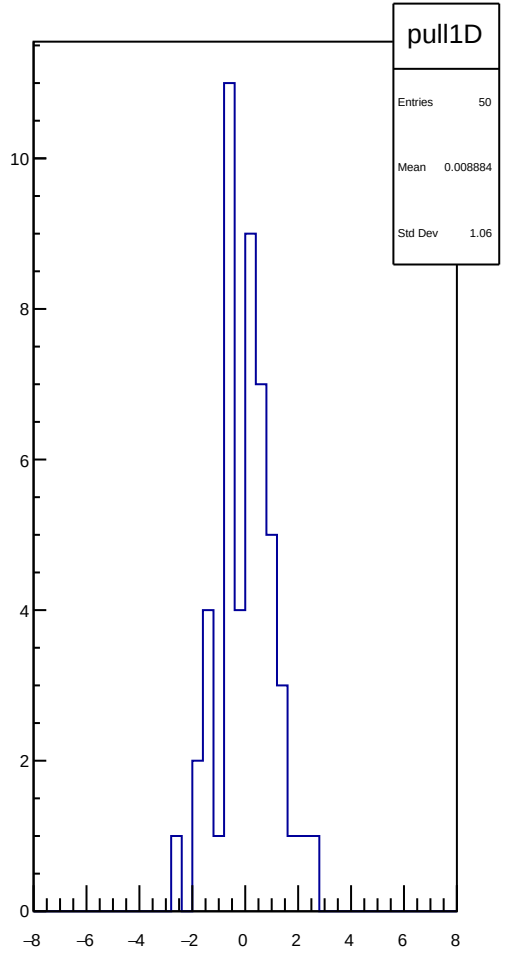

pull1D
Entries 50
Mean 0.0007159
Std Dev 0.9847
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

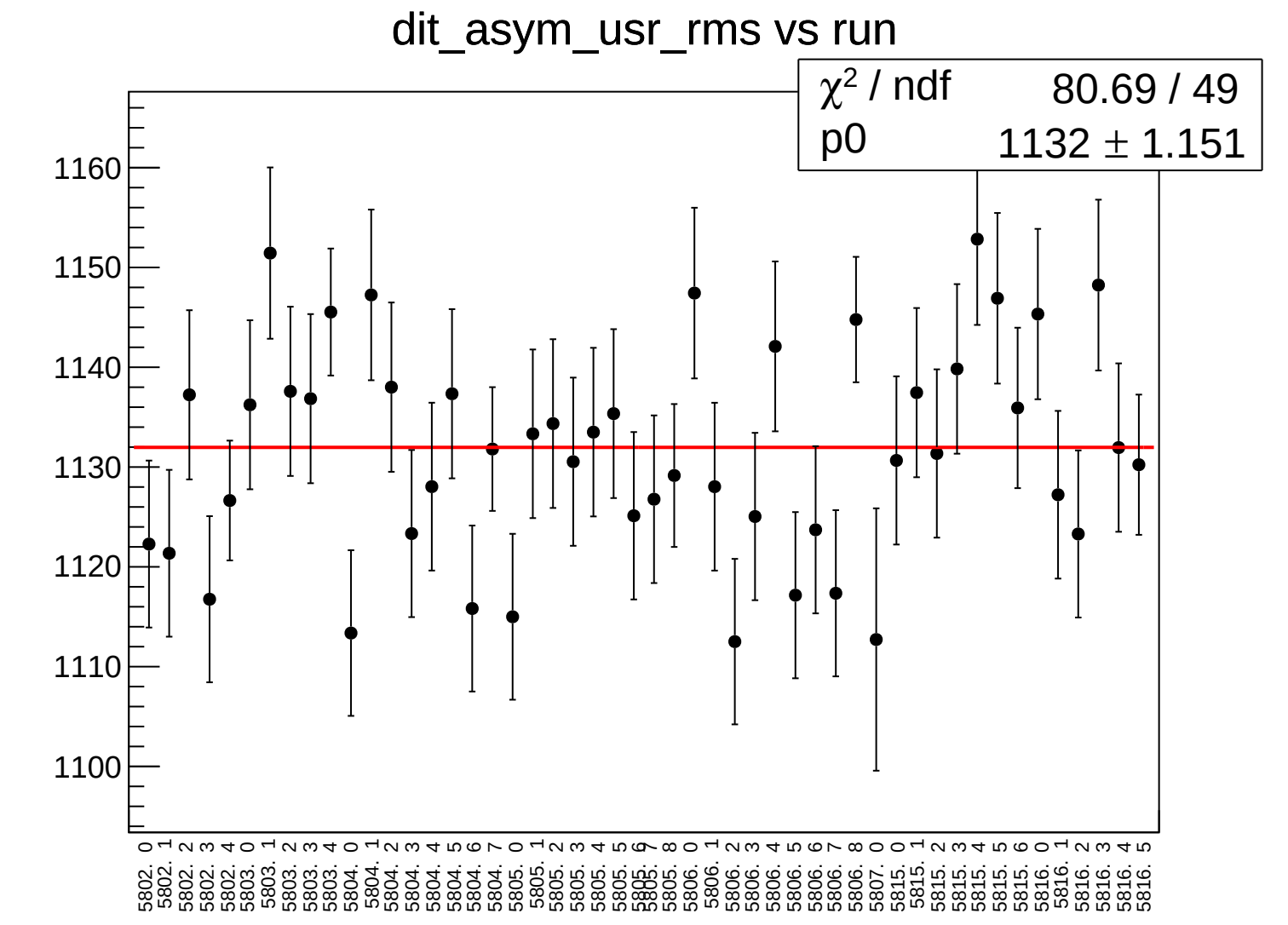

dit_asym_usl_rms vs run
χ² / ndf 58.03 / 49
p0 1119 ± 1.137
1150
1140
1130
1120
1110
1100
1090
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

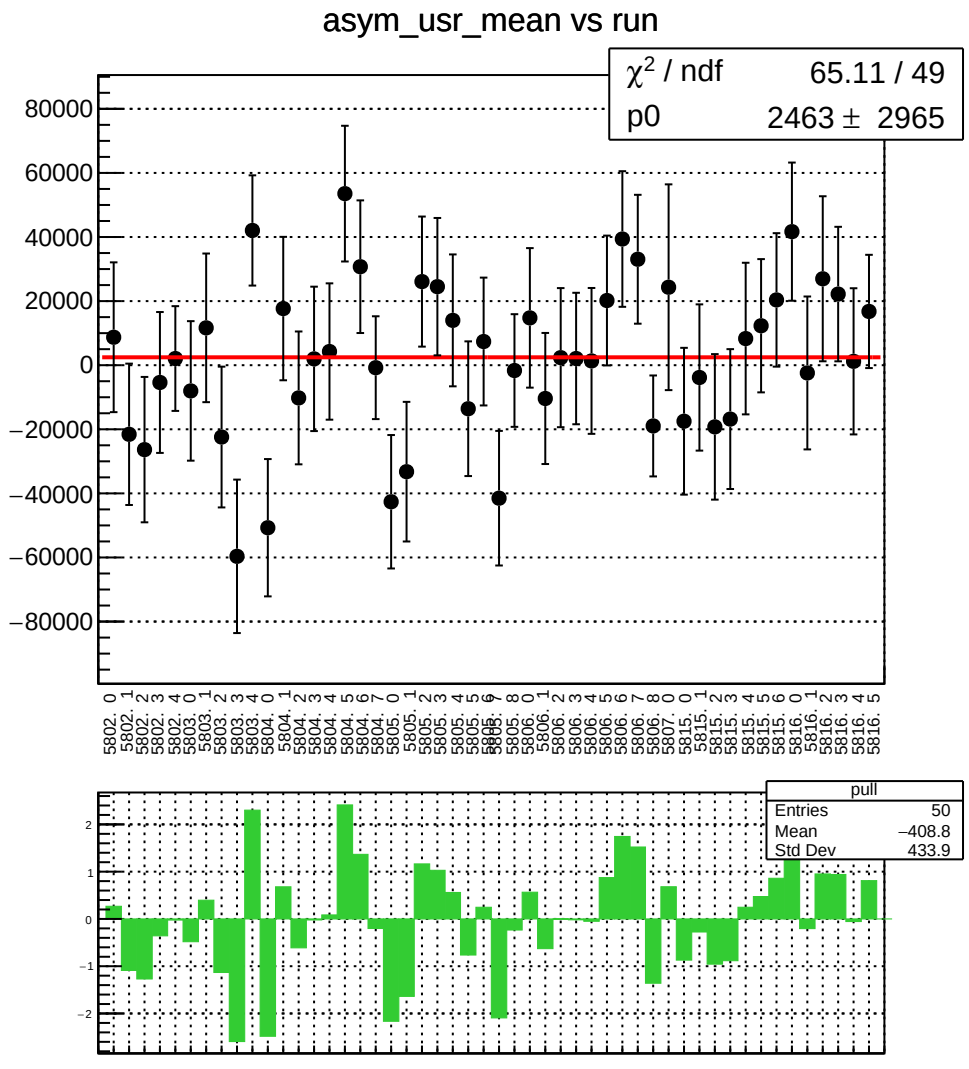

asym_usl_mean vs run
χ^2 / ndf 56.64 / 49
p0 2896 ± 2163
60000
40000
20000
0
−20000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 27.98
Std Dev 41.76
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.0064
Std Dev 1.064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

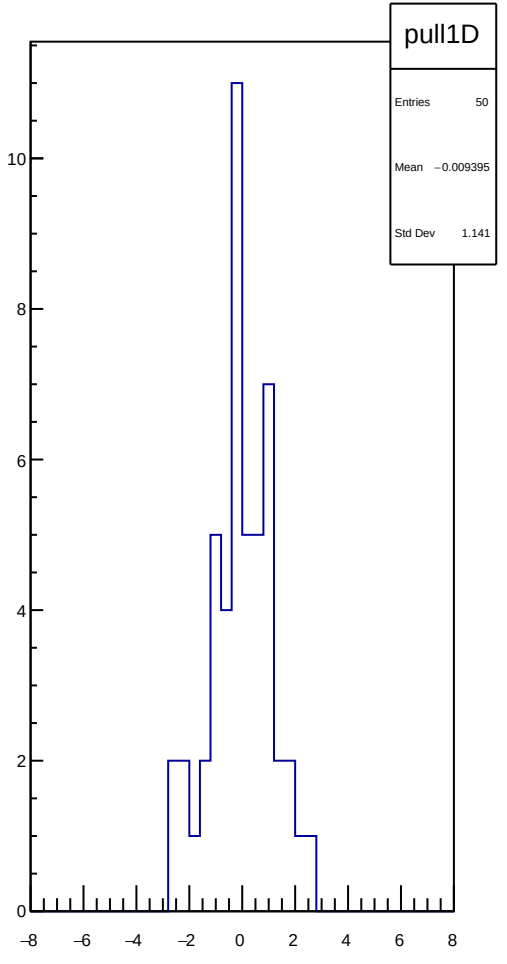

asym_usl_rms vs run
χ² / ndf 1084 / 49
p0 1504 ± 1.53
1750
1700
1650
1600
1550
1500
1450
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

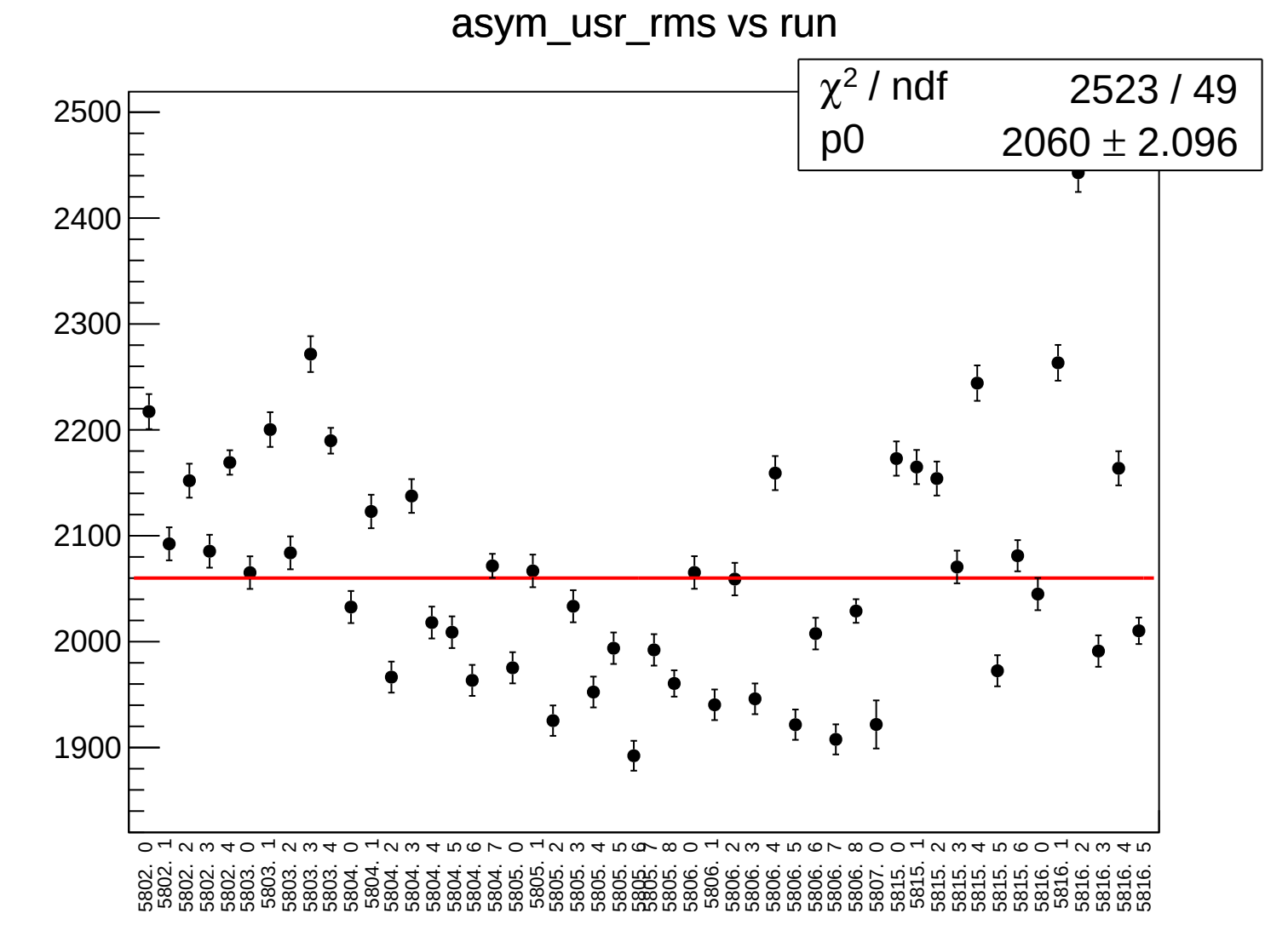

dit_asym_usr_mean vs run
χ² / ndf 56.14 / 49
p0 1593 ± 1627
pull
Entries 50
Mean 308.7
Std Dev 282.1

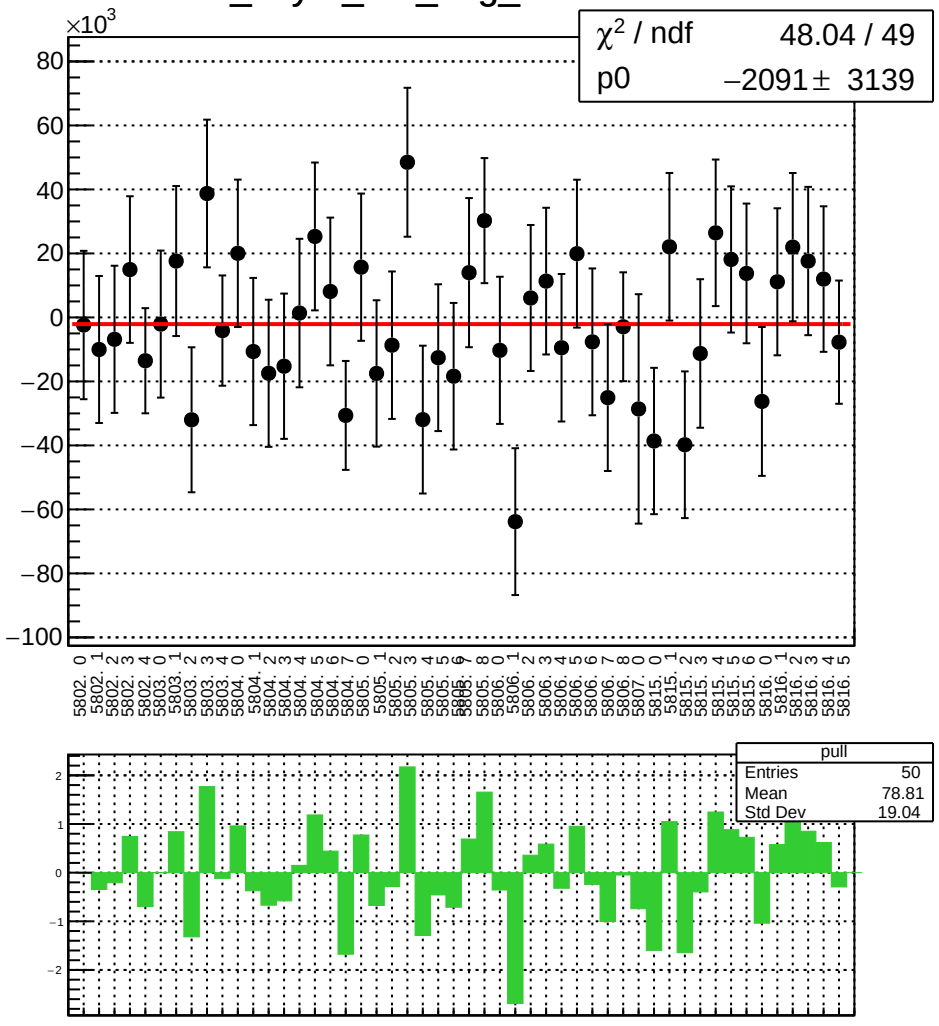

pull1D
Entries 50
Mean 0.008884
Std Dev 1.06

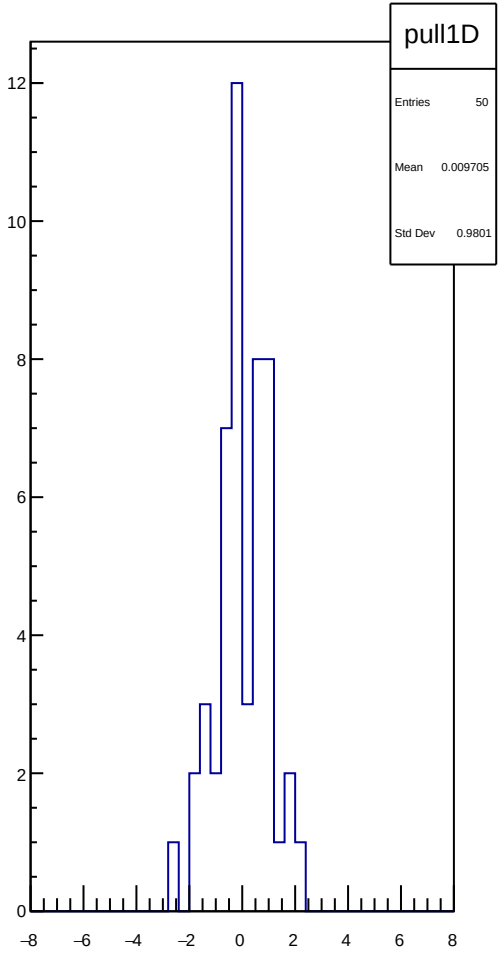

dit_asym_usr_rms vs run
χ² / ndf 80.69 / 49
p0 1132 ± 1.151
1160
1150
1140
1130
1120
1110
1100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

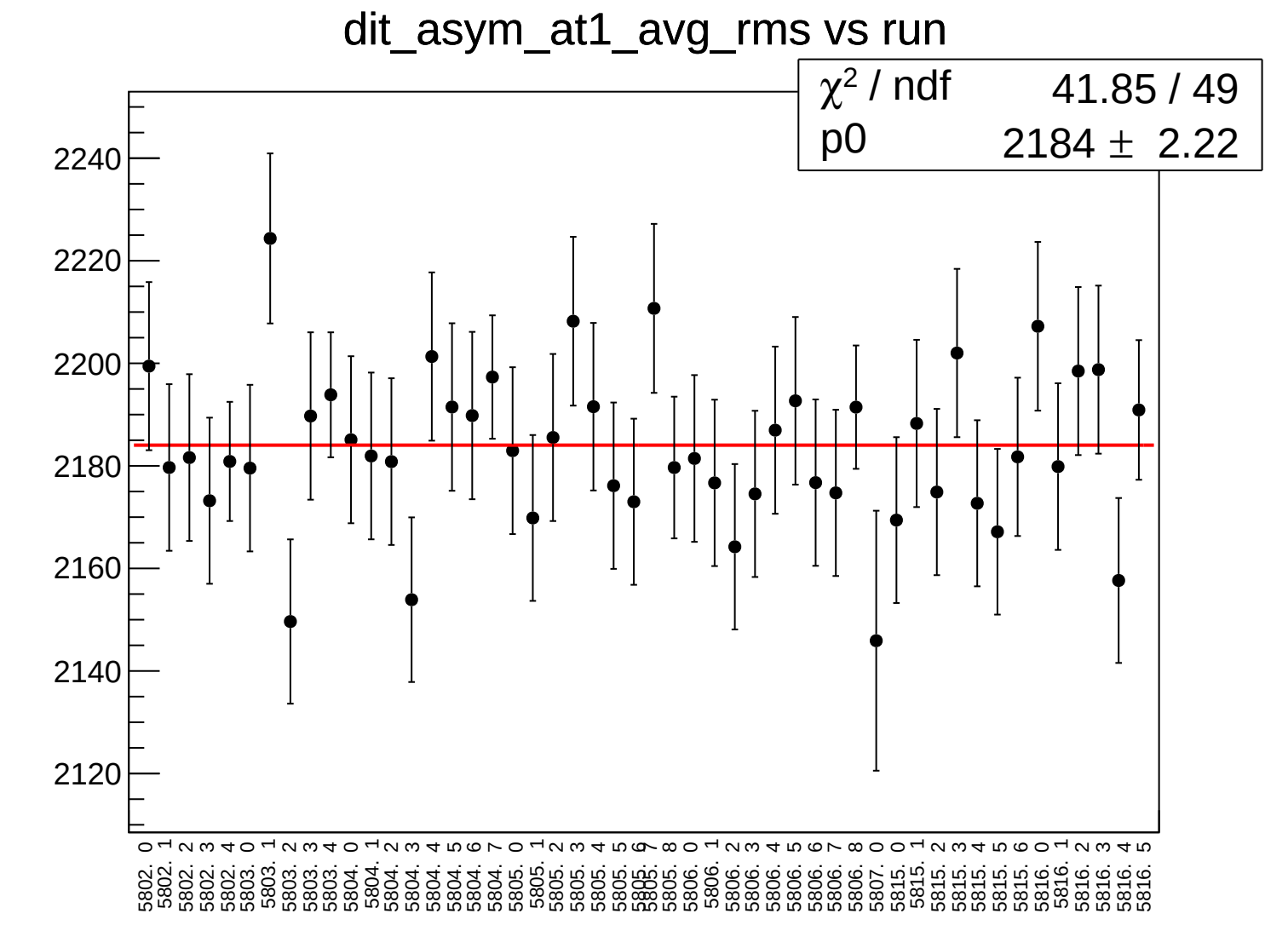

asym_usr_mean vs run
χ² / ndf 65.11 / 49
p0 2463 ± 2965
pull
Entries 50
Mean −408.8
Std Dev 433.9

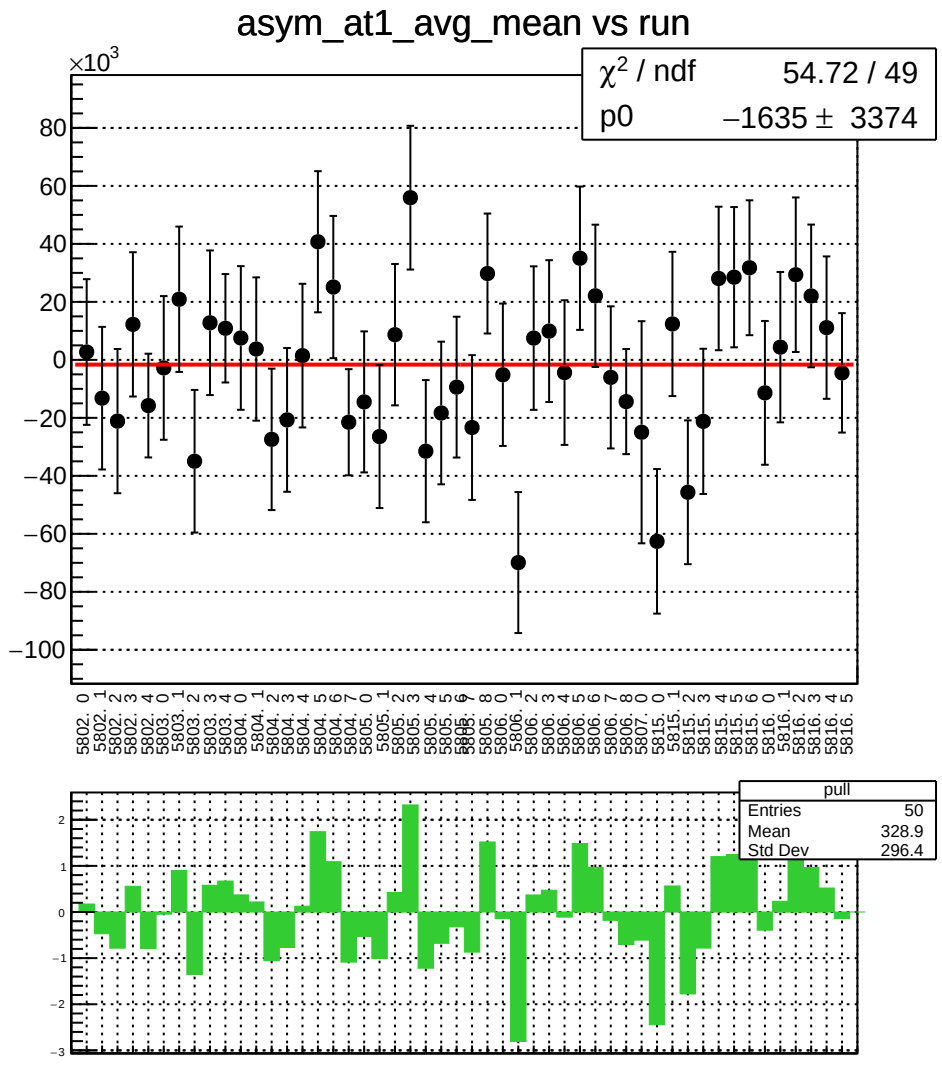

pull1D
Entries 50
Mean −0.009395
Std Dev 1.141

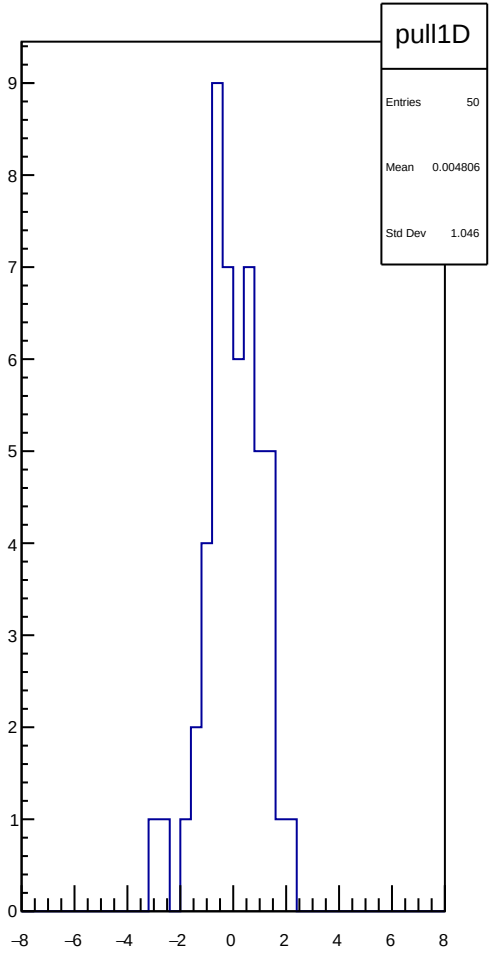

asym_usr_rms vs run
χ² / ndf 2523 / 49
p0 2060 ± 2.096
2500
2400
2300
2200
2100
2000
1900
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

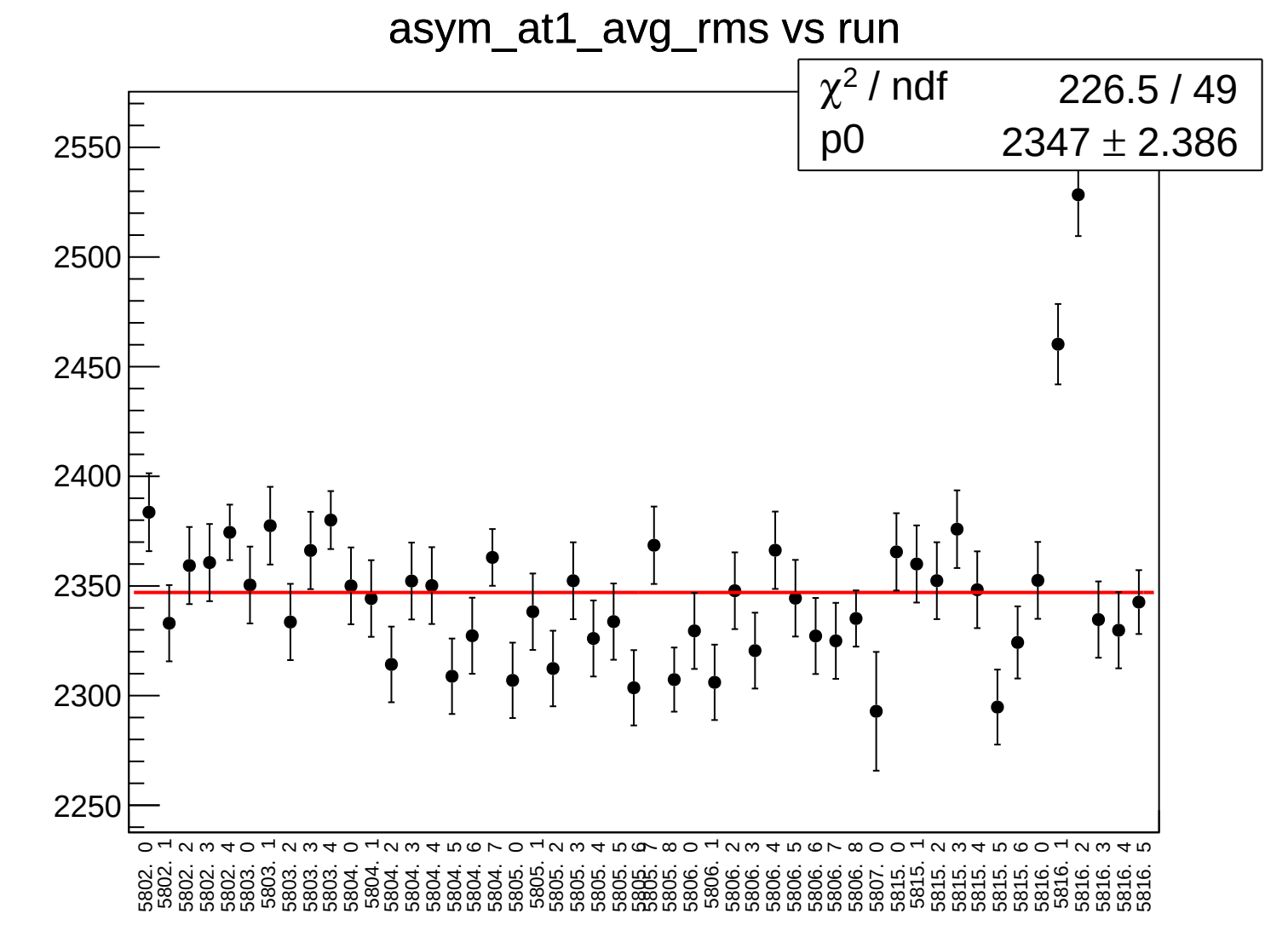

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 48.04 / 49
p0 −2091 ± 3139
pull
Entries 50
Mean 78.81
Std Dev 19.04

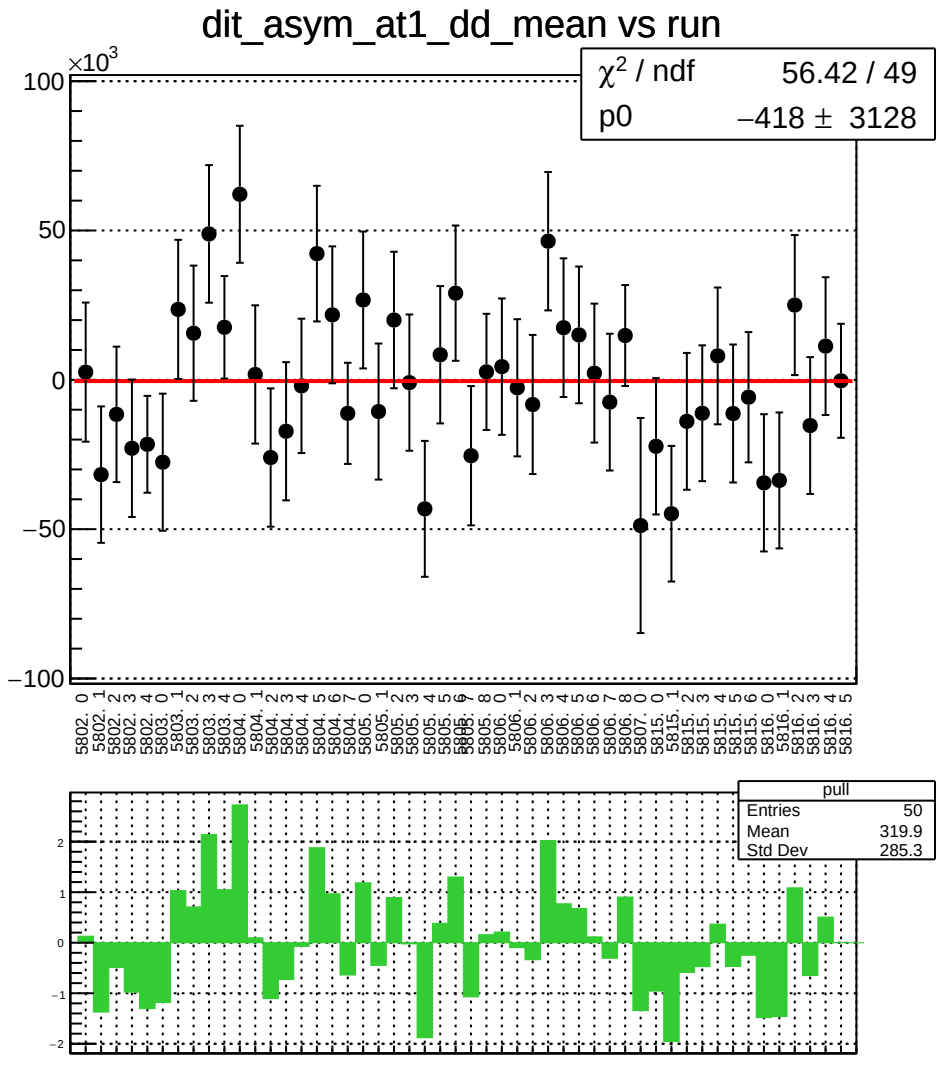

pull1D
Entries 50
Mean 0.009705
Std Dev 0.9801

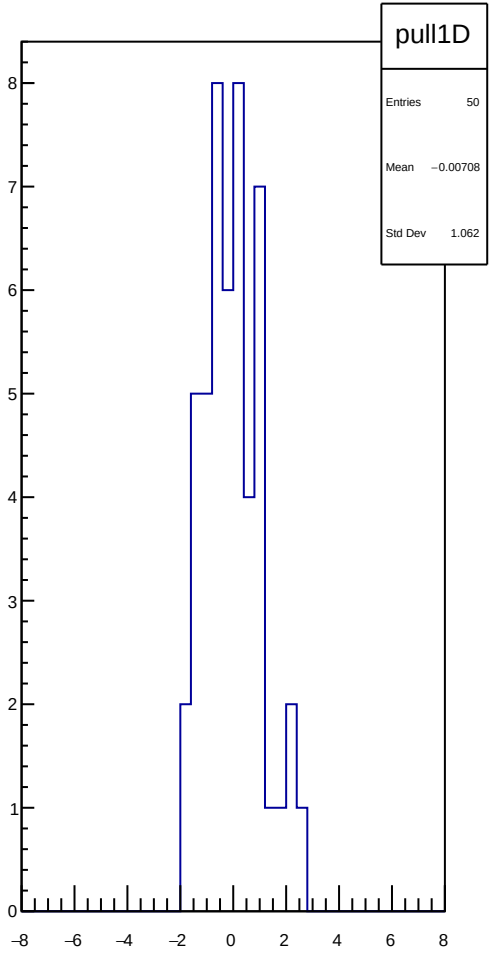

dit_asym_at1_avg_rms vs run
χ² / ndf 41.85 / 49
p0 2184 ± 2.22
2240
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

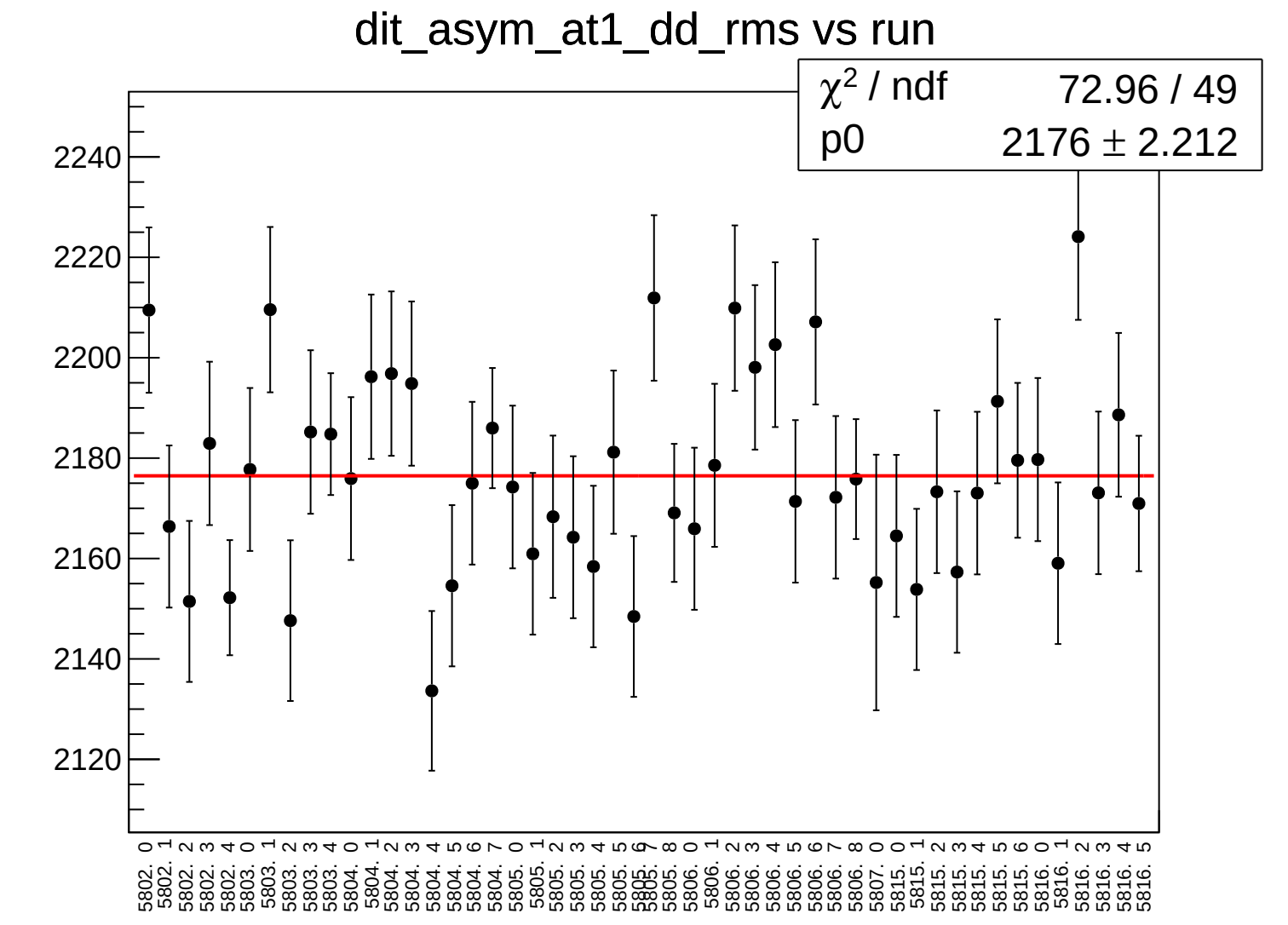

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 54.72 / 49
p0 −1635 ± 3374
80
60
40
20
0
−20
−40
−60
−80
−100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 328.9
Std Dev 296.4
2
1
0
−1
−2
−3

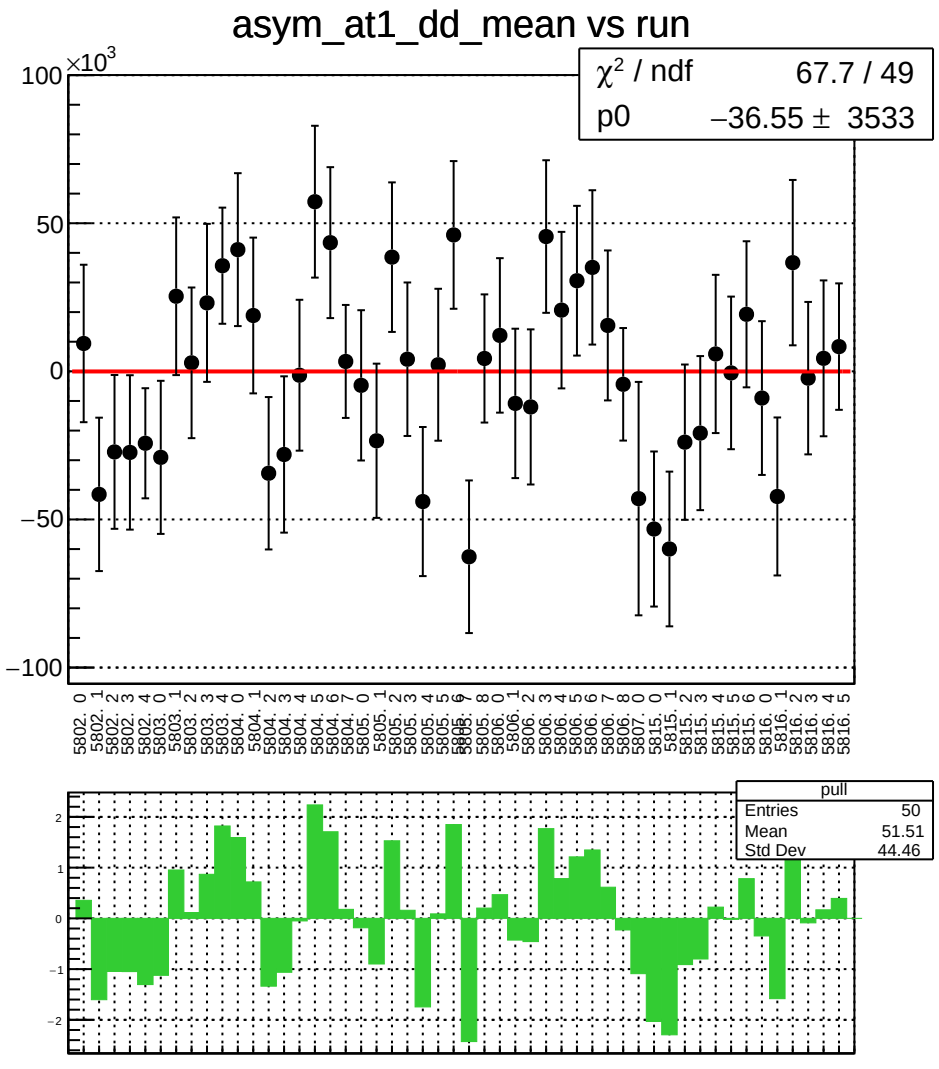

pull1D
Entries 50
Mean 0.004806
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

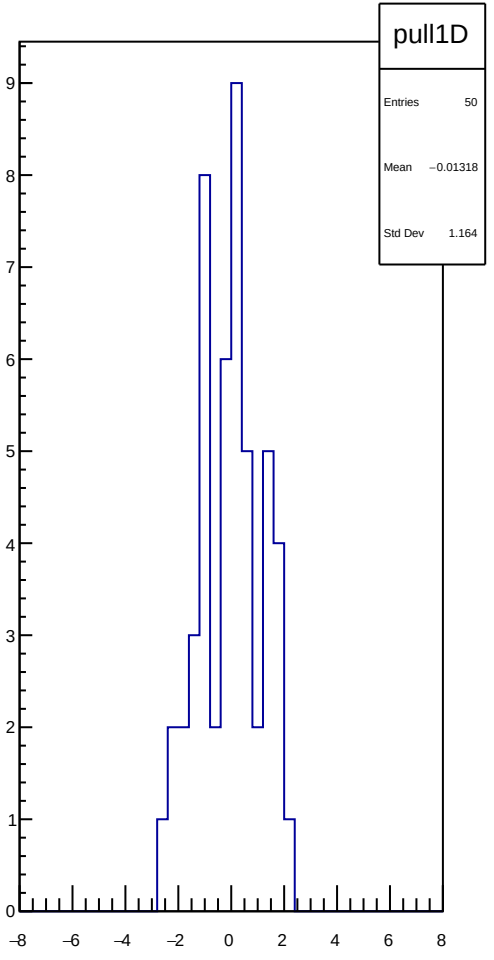

asym_at1_avg_rms vs run
χ^2 / ndf 226.5 / 49
p0 2347 ± 2.386
2550
2500
2450
2400
2350
2300
2250
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

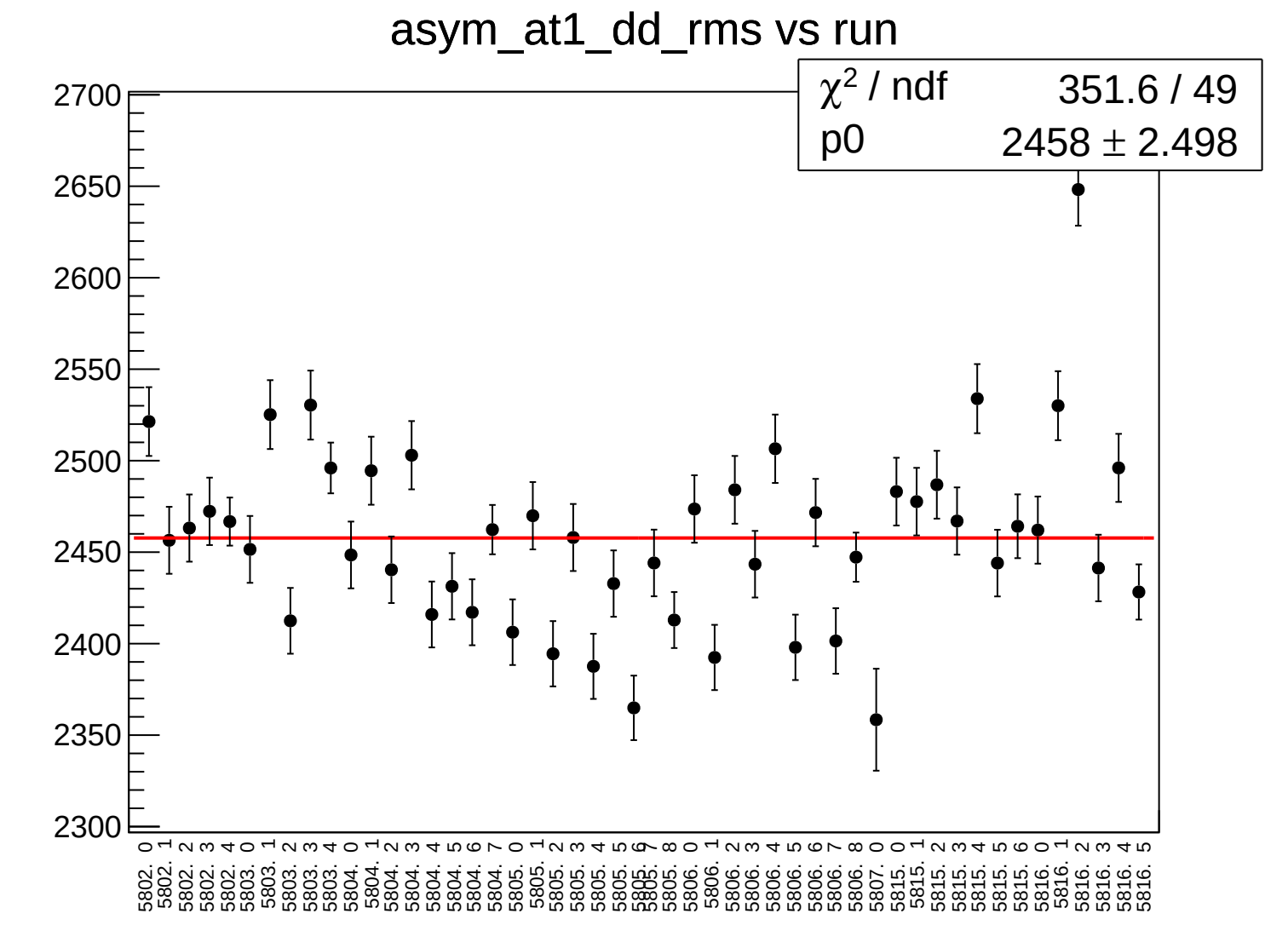

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 56.42 / 49
p0 −418 ± 3128
pull
Entries 50
Mean 319.9
Std Dev 285.3

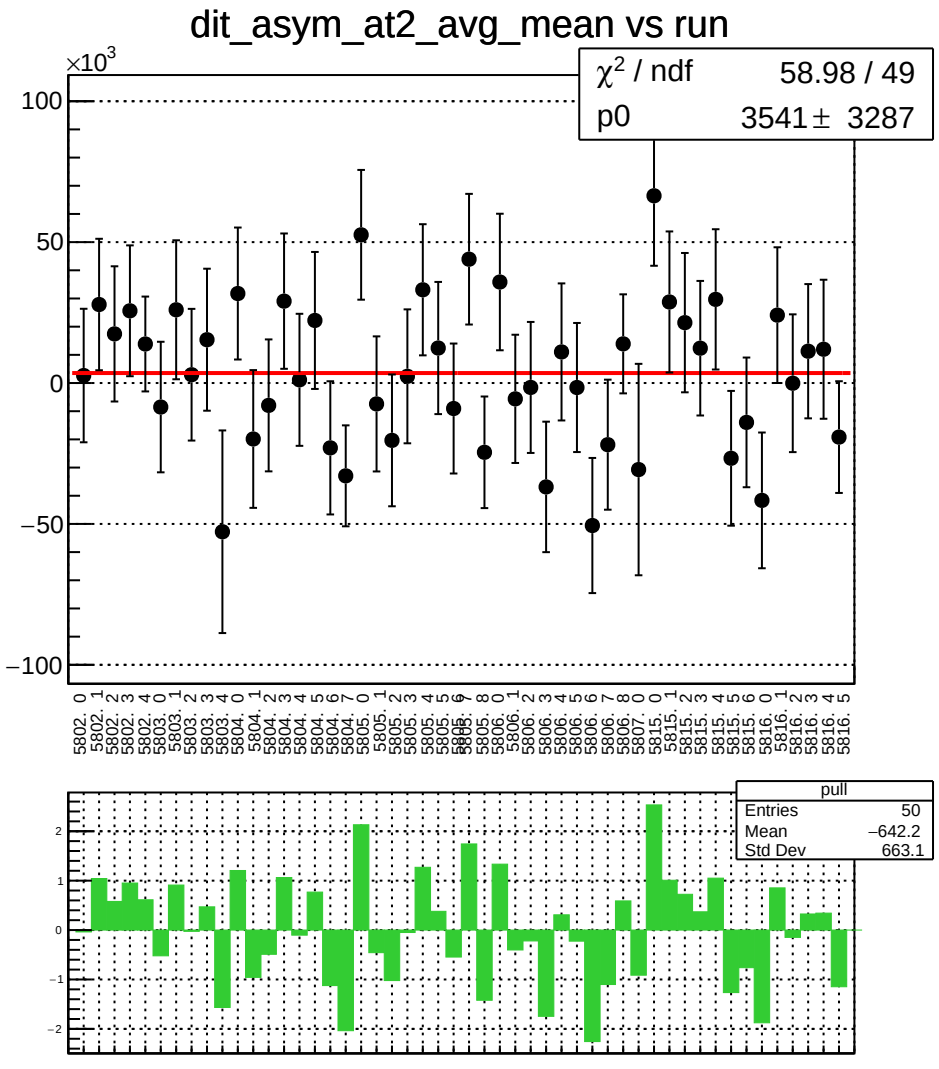

pull1D
Entries 50
Mean −0.00708
Std Dev 1.062

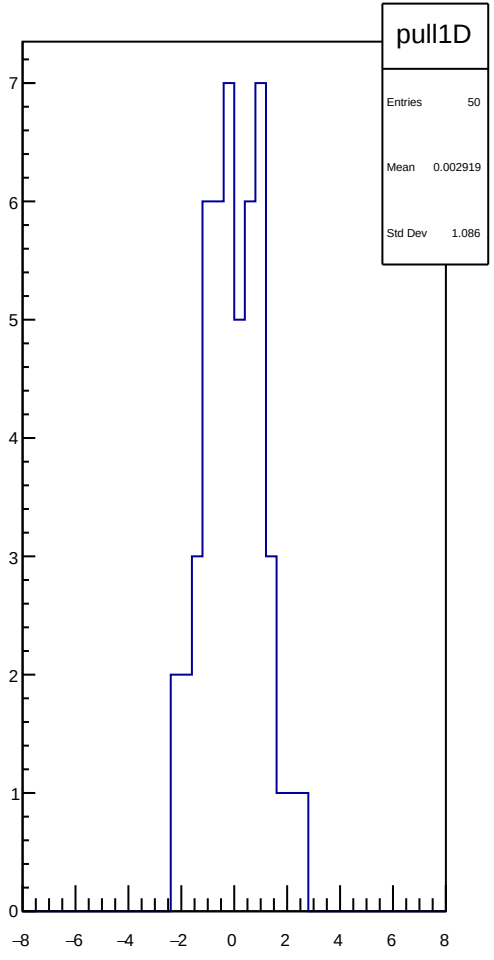

dit_asym_at1_dd_rms vs run
χ² / ndf 72.96 / 49
p0 2176 ± 2.212
2240
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

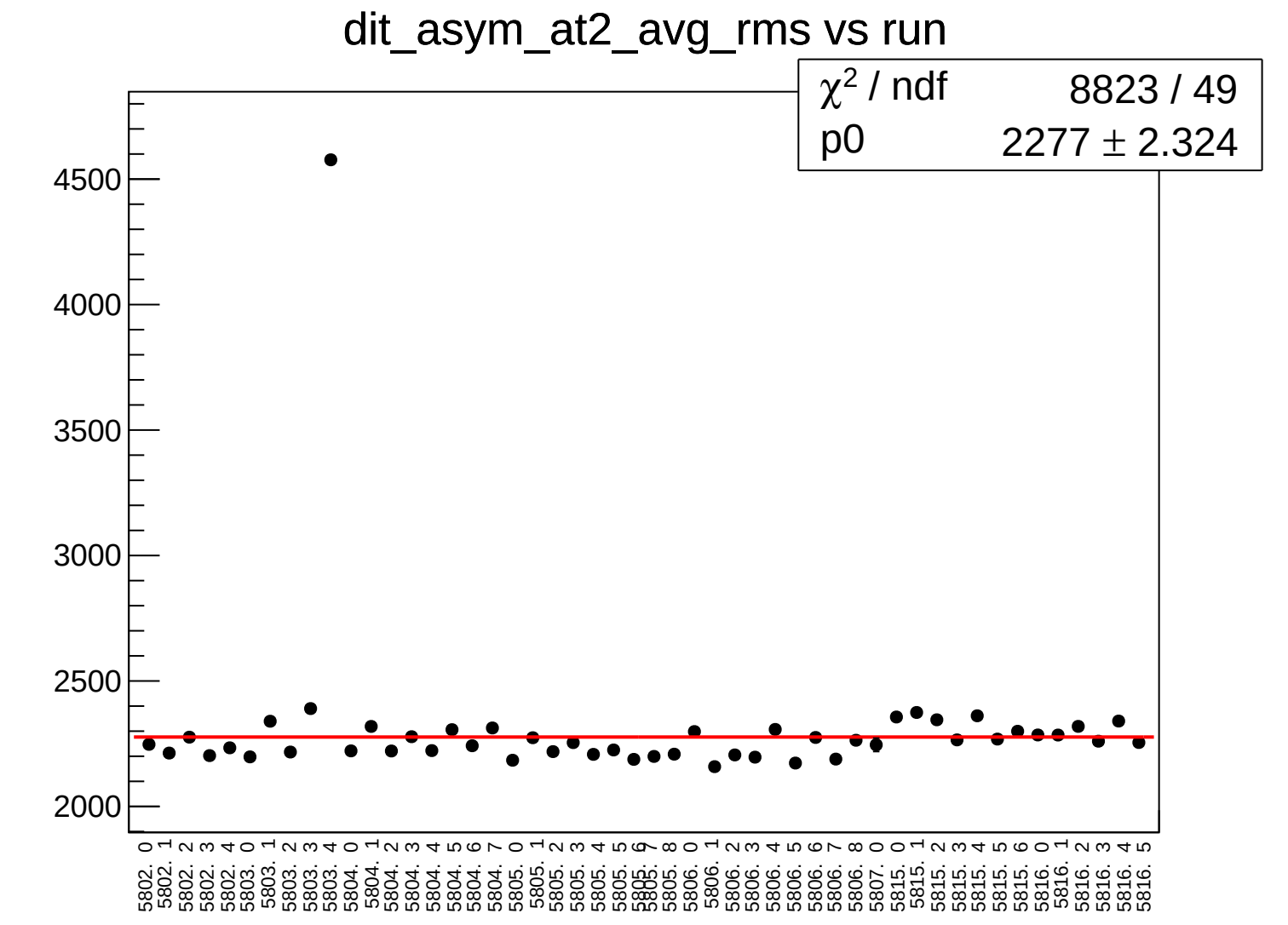

asym_at1_dd_mean vs run
χ² / ndf 67.7 / 49
p0 −36.55 ± 3533
×10³
100
50
0
−50
−100
pull
Entries 50
Mean 51.51
Std Dev 44.46
2
1
0
−1
−2

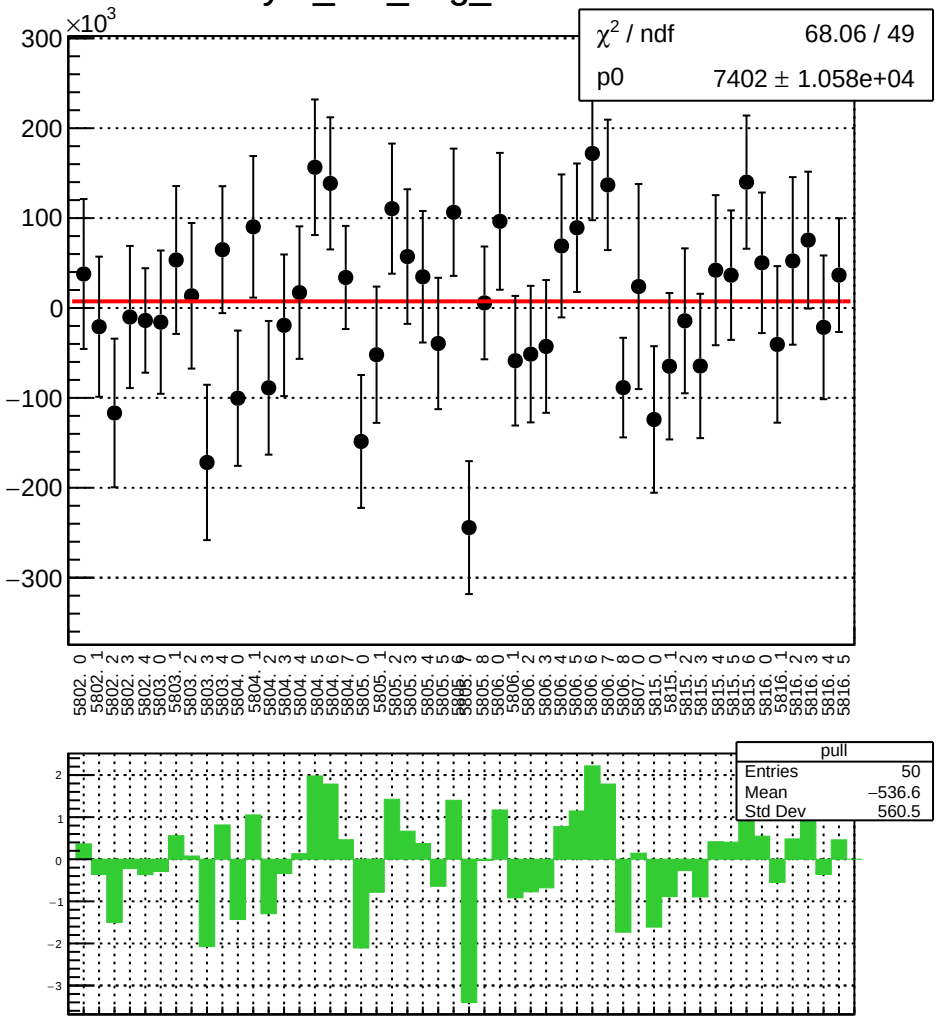

pull1D
Entries 50
Mean −0.01318
Std Dev 1.164
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

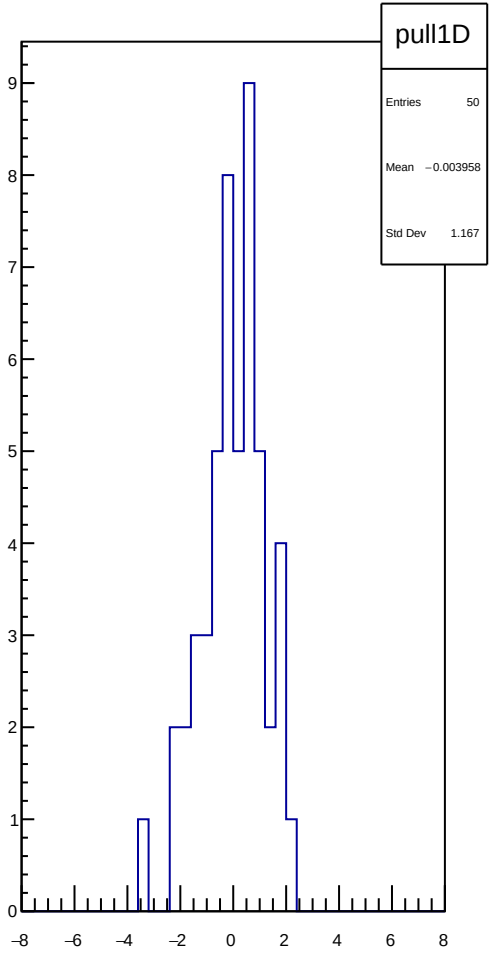

asym_at1_dd_rms vs run
χ² / ndf 351.6 / 49
p0 2458 ± 2.498
2700
2650
2600
2550
2500
2450
2400
2350
2300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

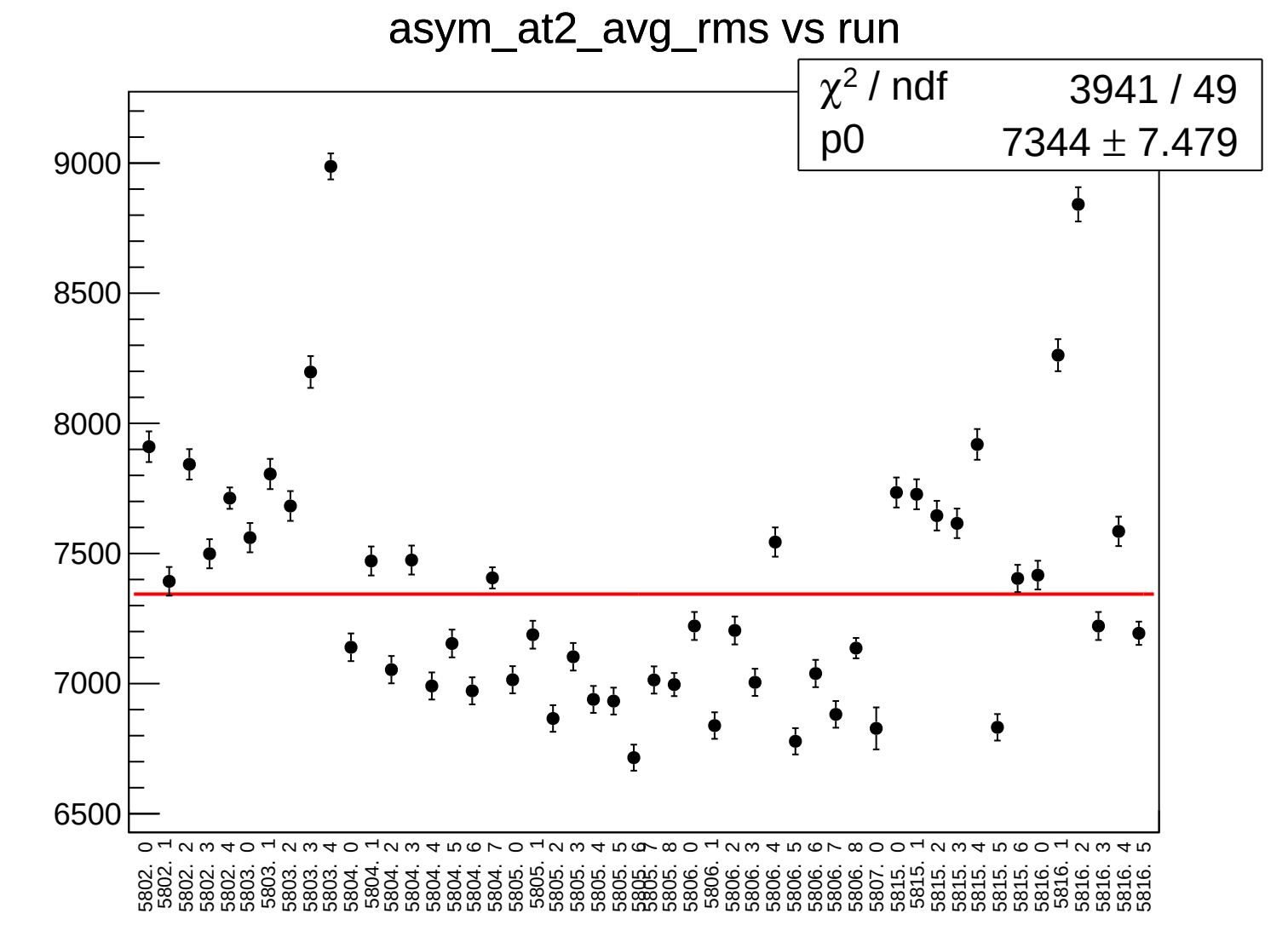

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 58.98 / 49
p0 3541 ± 3287
100
50
0
−50
−100
pull
Entries 50
Mean −642.2
Std Dev 663.1

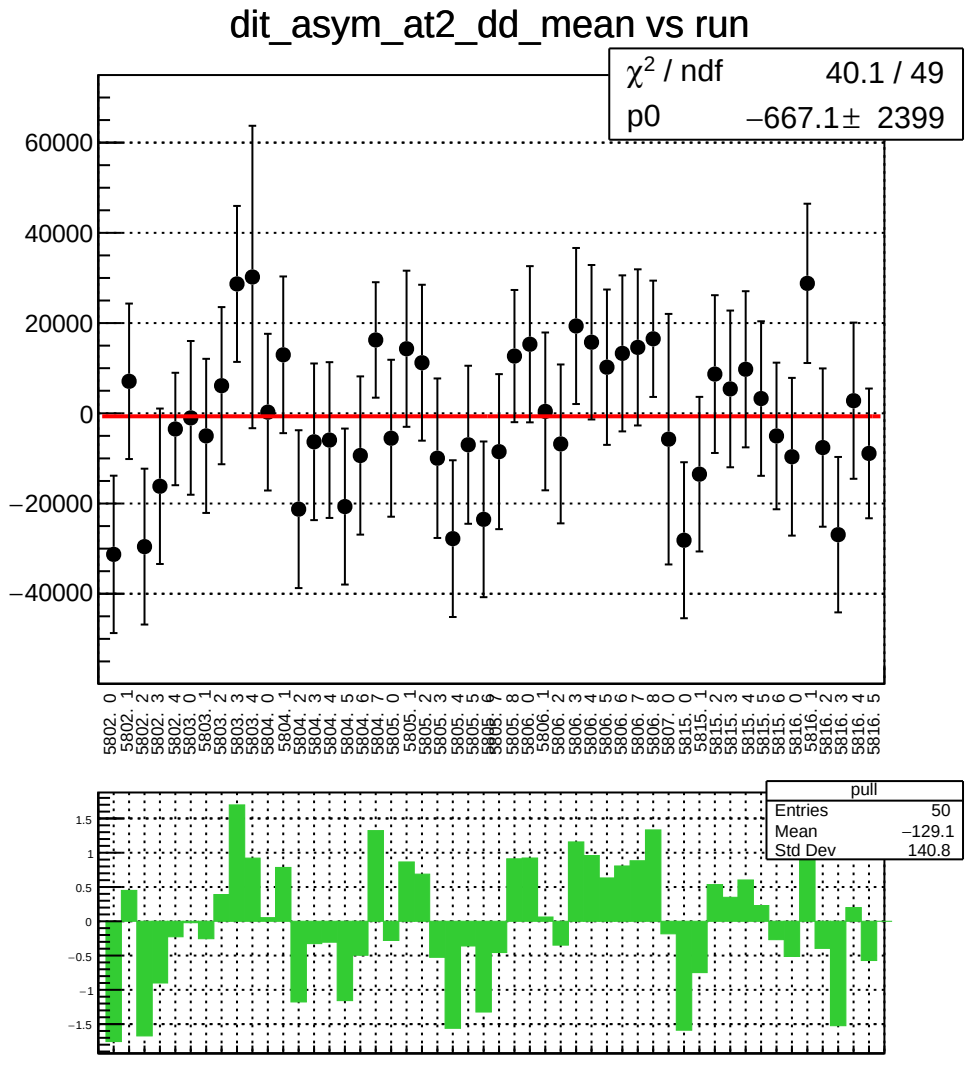

pull1D
Entries 50
Mean 0.002919
Std Dev 1.086

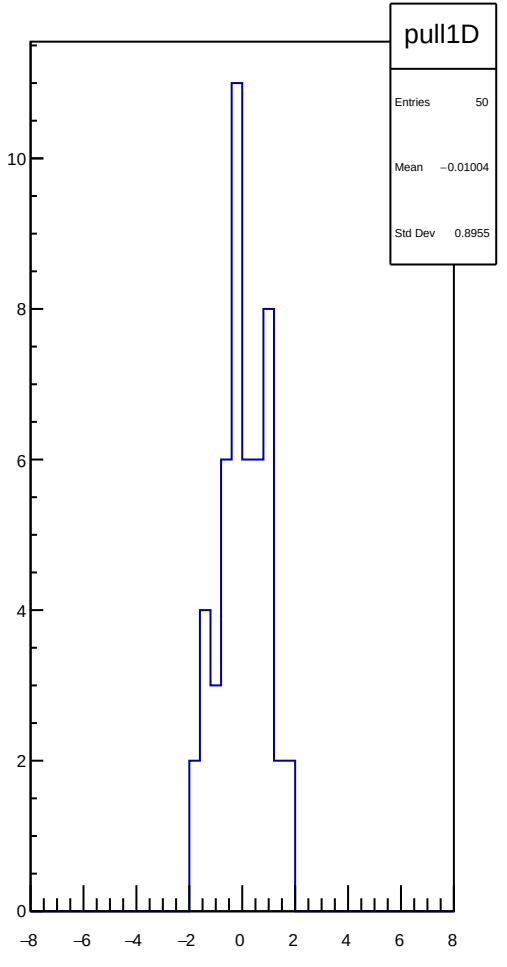

dit_asym_at2_avg_rms vs run
χ² / ndf 8823 / 49
p0 2277 ± 2.324
4500
4000
3500
3000
2500
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

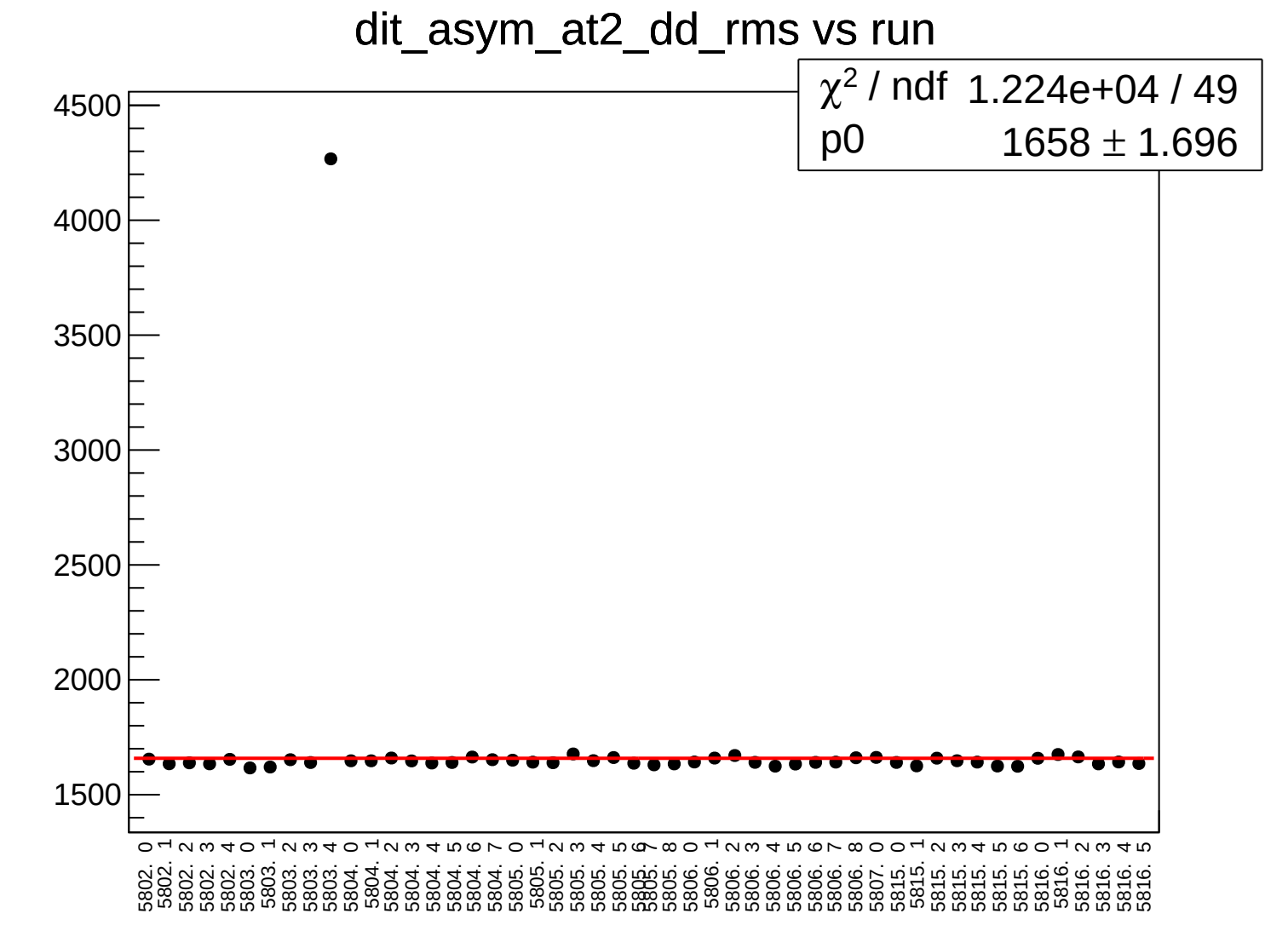

asym_at2_avg_mean vs run
×10^3
χ² / ndf 68.06 / 49
p0 7402 ± 1.058e+04
pull
Entries 50
Mean −536.6
Std Dev 560.5


pull1D
Entries 50
Mean −0.003958
Std Dev 1.167


asym_at2_avg_rms vs run
χ² / ndf 3941 / 49
p0 7344 ± 7.479
9000
8500
8000
7500
7000
6500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_asym_at2_dd_mean vs run
χ² / ndf 40.1 / 49
p0 −667.1± 2399
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −129.1
Std Dev 140.8
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean −0.01004
Std Dev 0.8955
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at2_dd_rms vs run
χ^2 / ndf 1.224e+04 / 49
p0 1658 ± 1.696
4500
4000
3500
3000
2500
2000
1500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
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5816. 2
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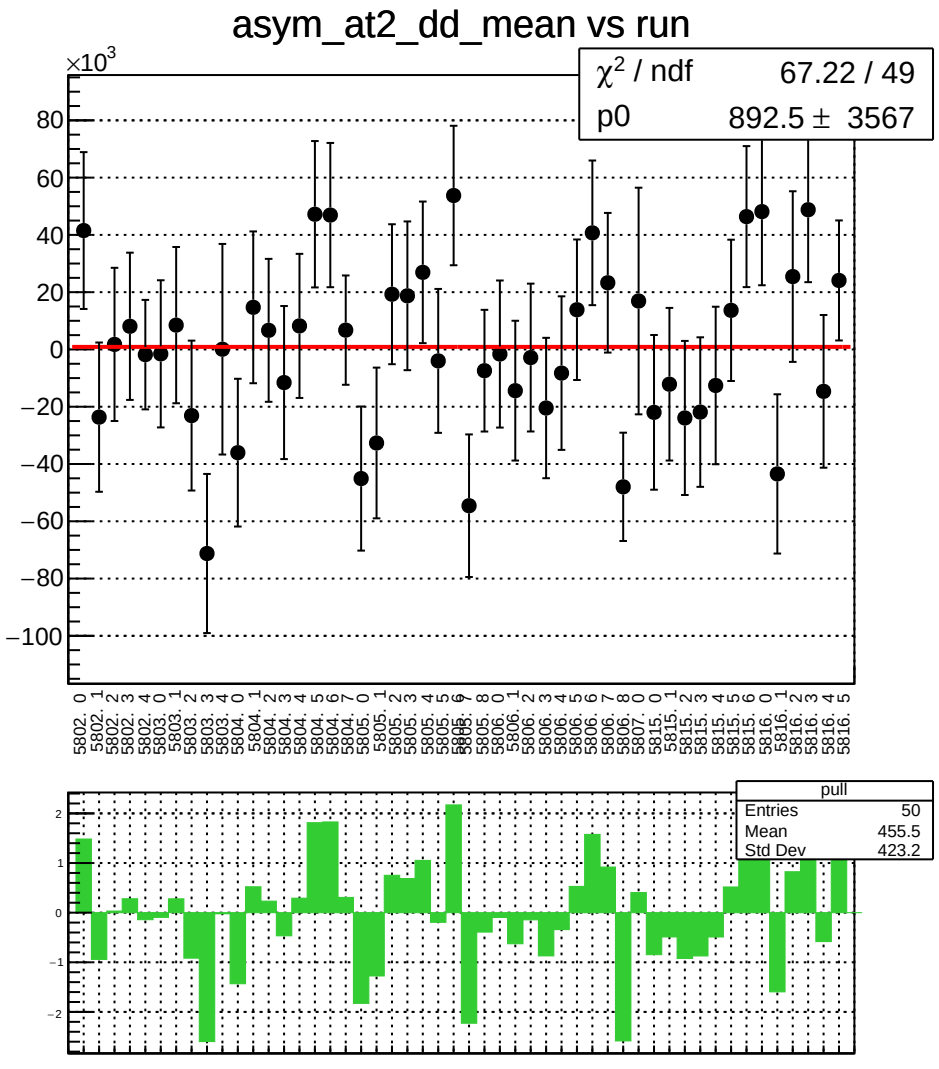
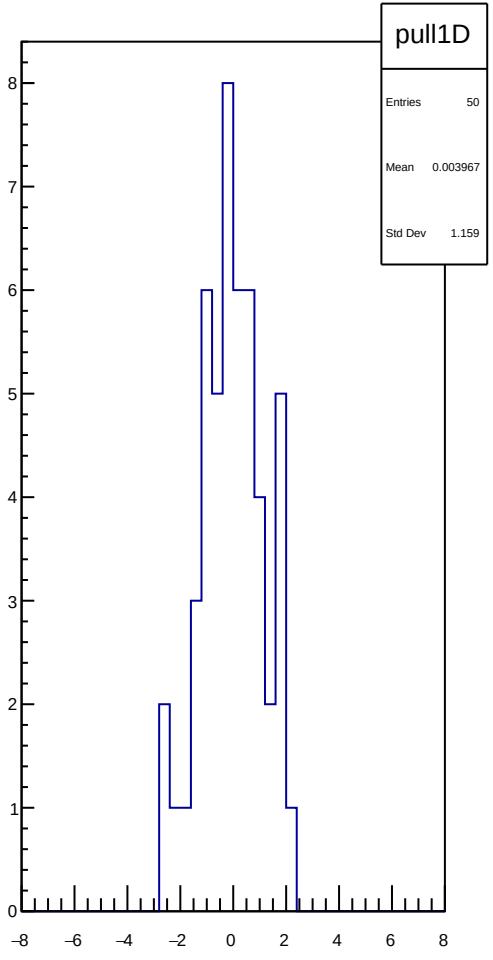
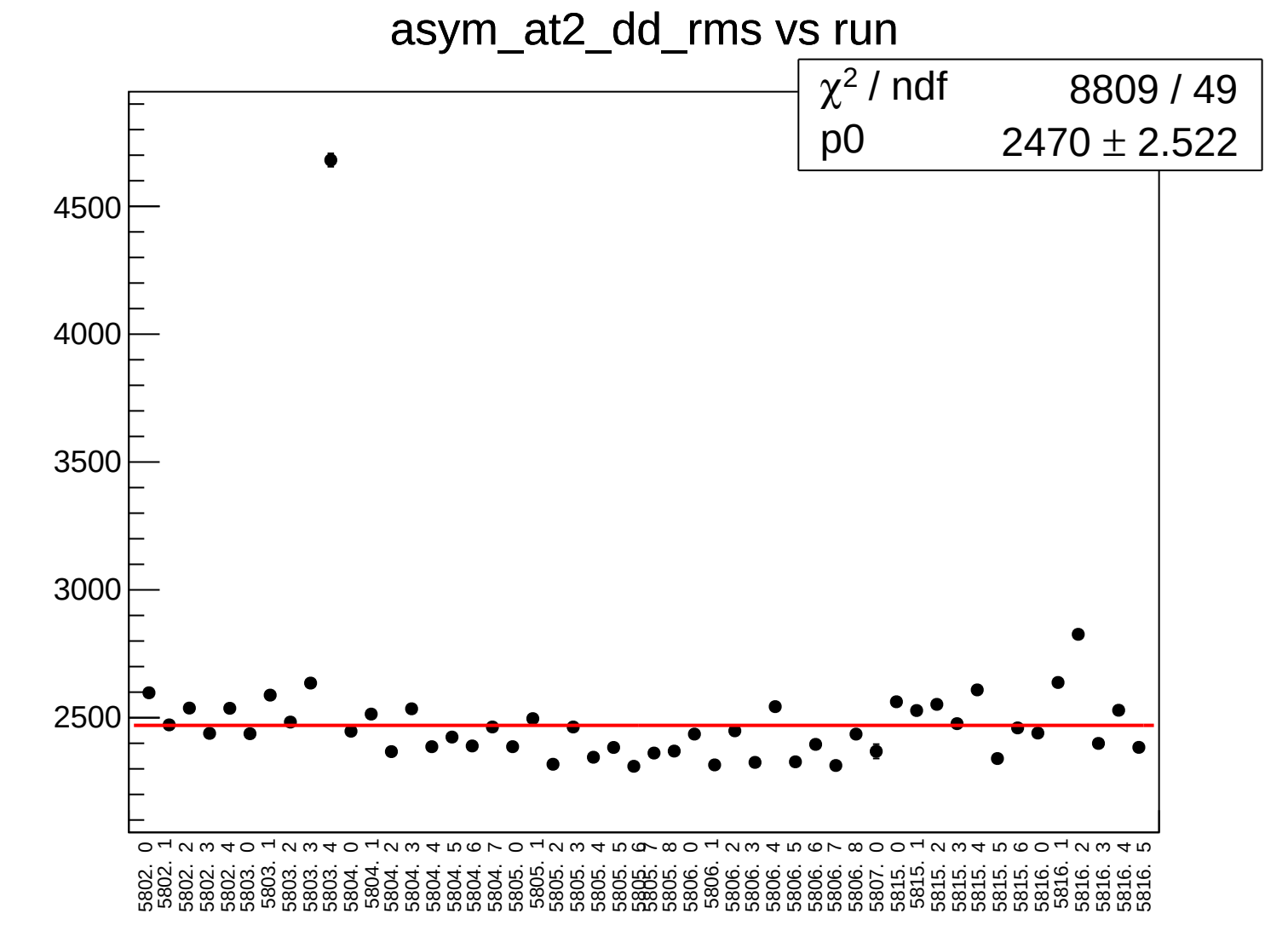
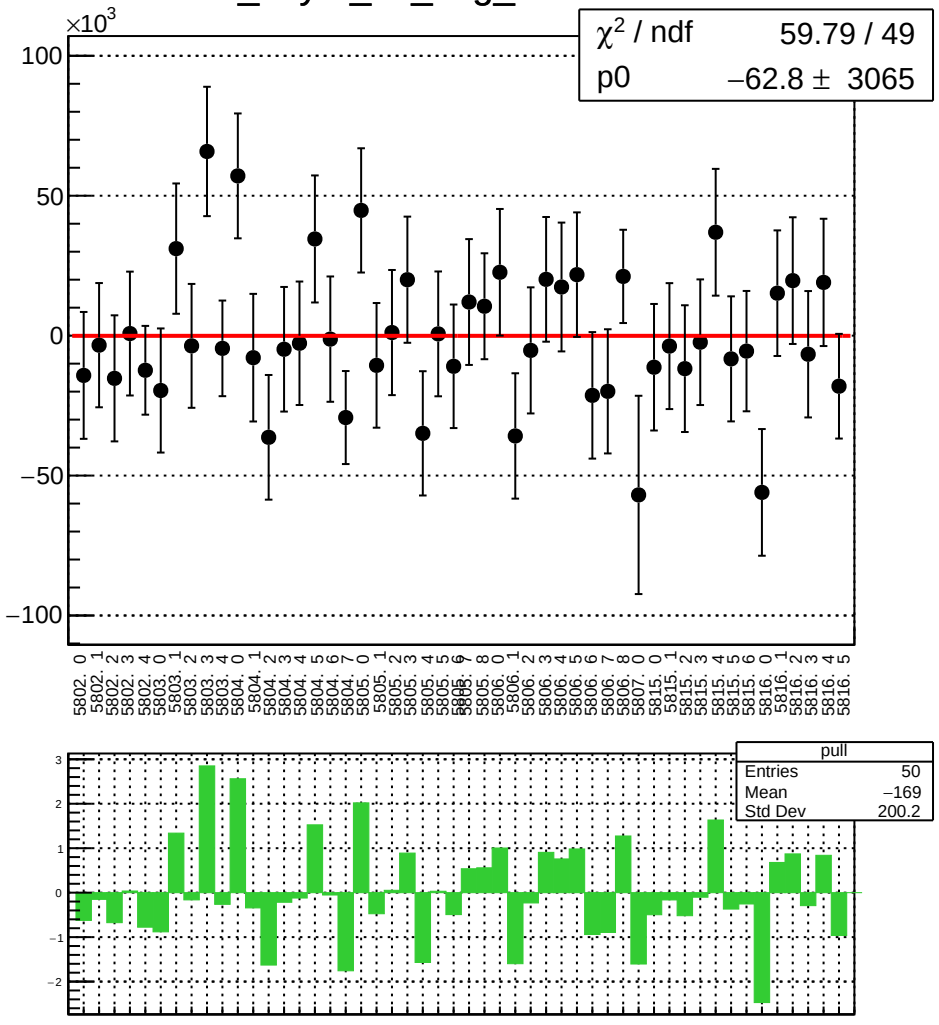
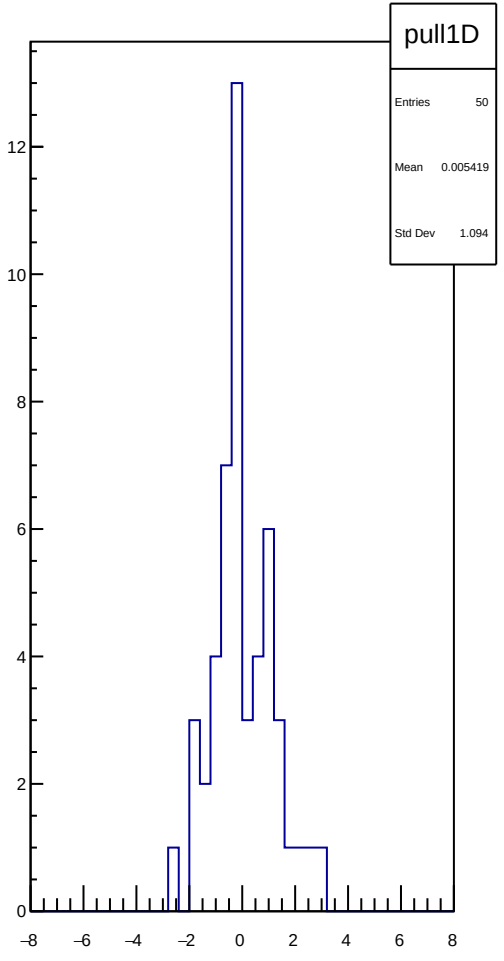
5816. 4
5816. 5

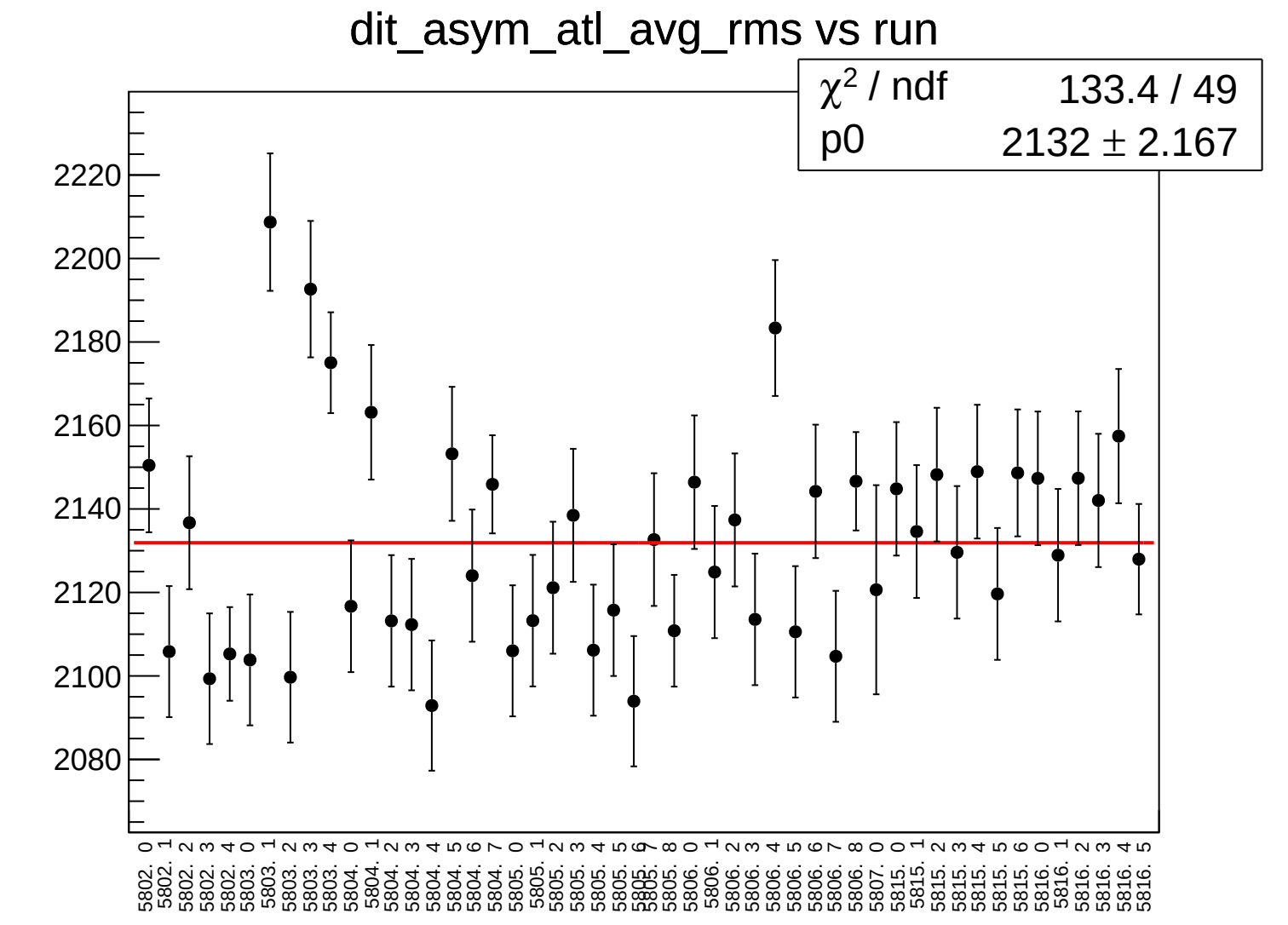

asym_at2_dd_mean vs run
×10^3
χ² / ndf 67.22 / 49
p0 892.5 ± 3567
pull
Entries 50
Mean 455.5
Std Dev 423.2


pull1D
Entries 50
Mean 0.003967
Std Dev 1.159


asym_at2_dd_rms vs run
χ² / ndf 8809 / 49
p0 2470 ± 2.522
4500
4000
3500
3000
2500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 59.79 / 49
p0 −62.8 ± 3065
100
50
0
−50
−100
pull
Entries 50
Mean −169
Std Dev 200.2
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.005419
Std Dev 1.094
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_rms vs run
χ² / ndf 133.4 / 49
p0 2132 ± 2.167
2220
2200
2180
2160
2140
2120
2100
2080
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
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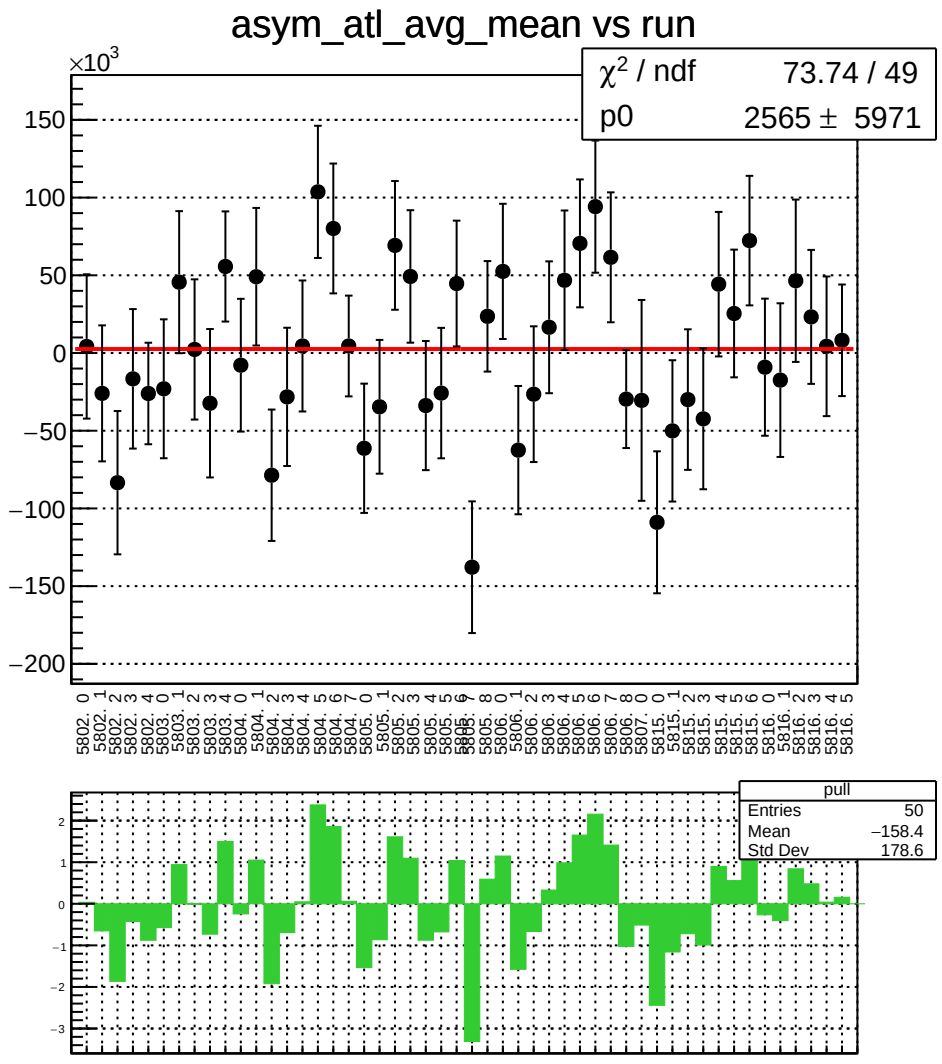
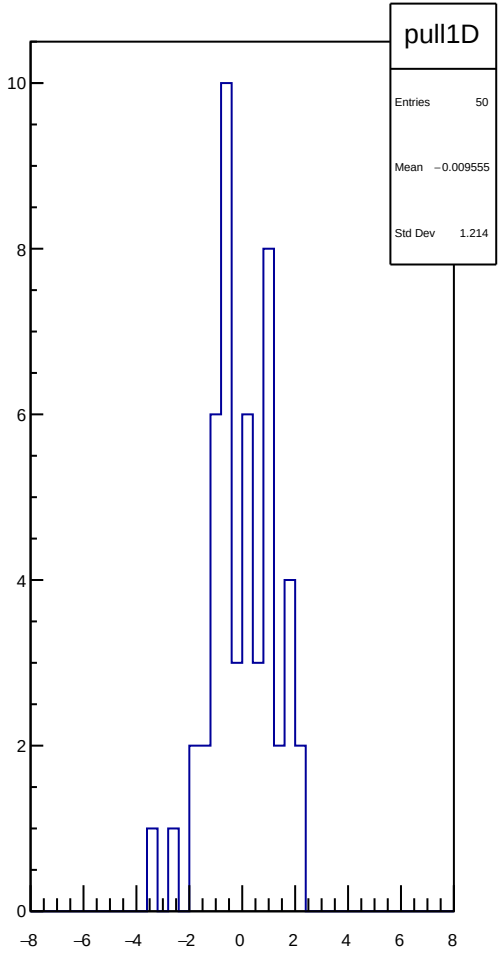
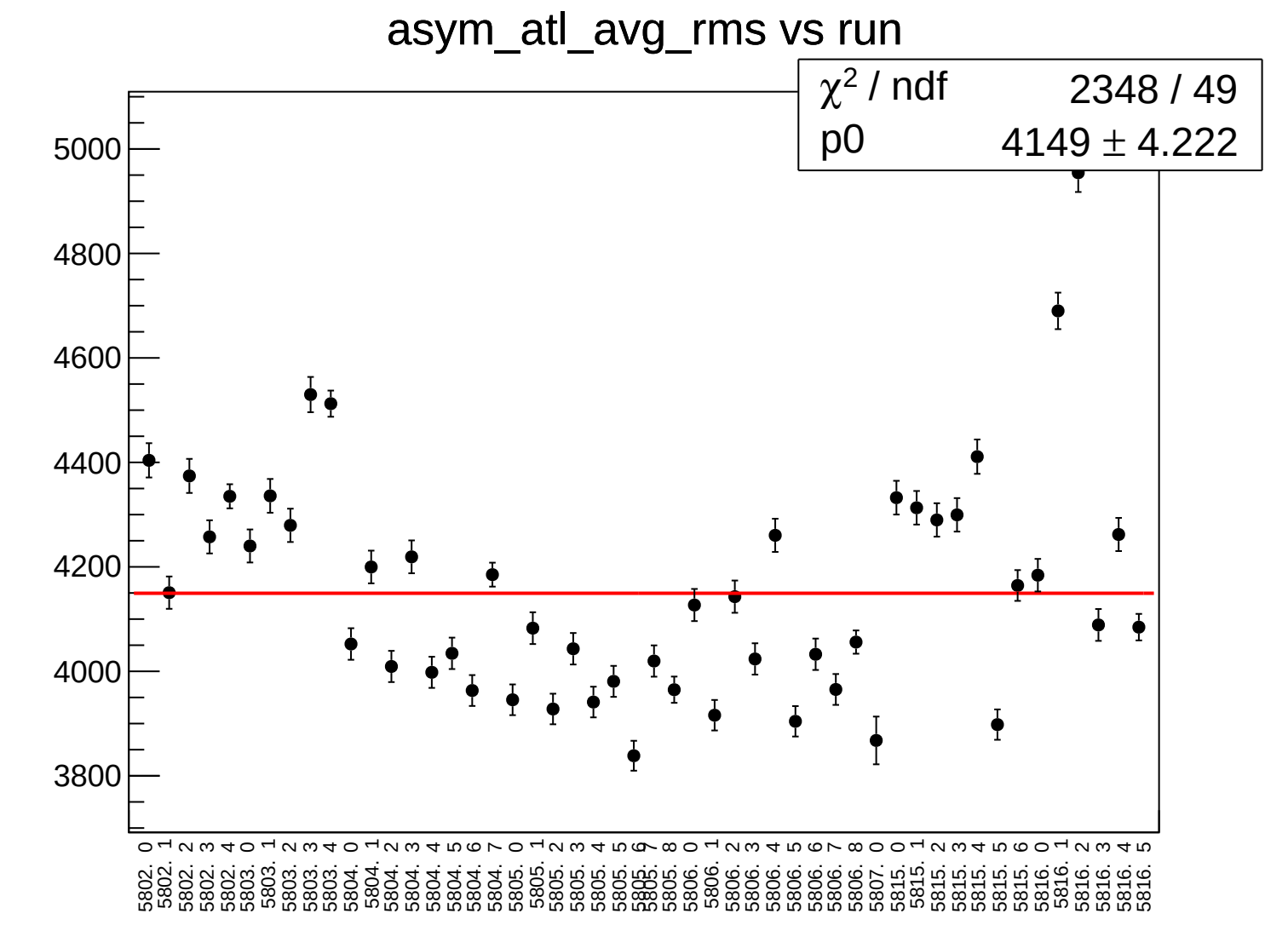
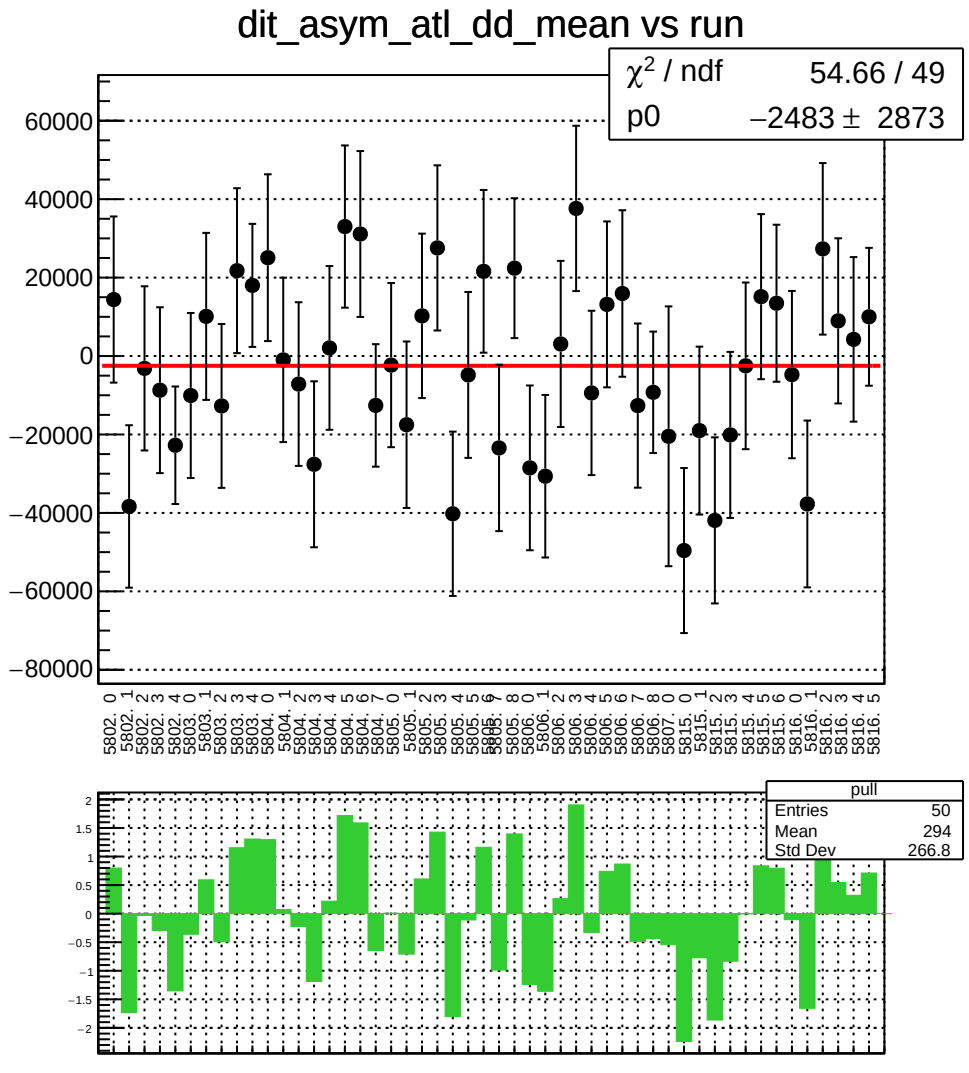
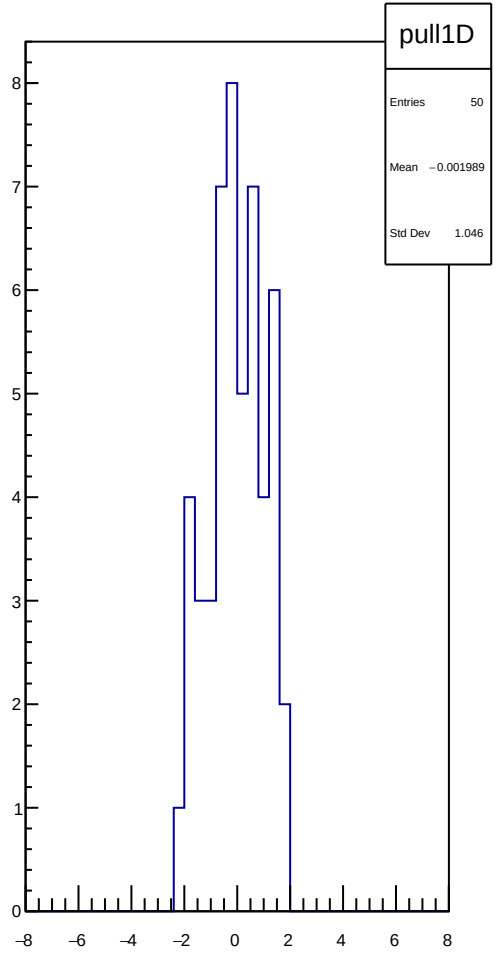
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

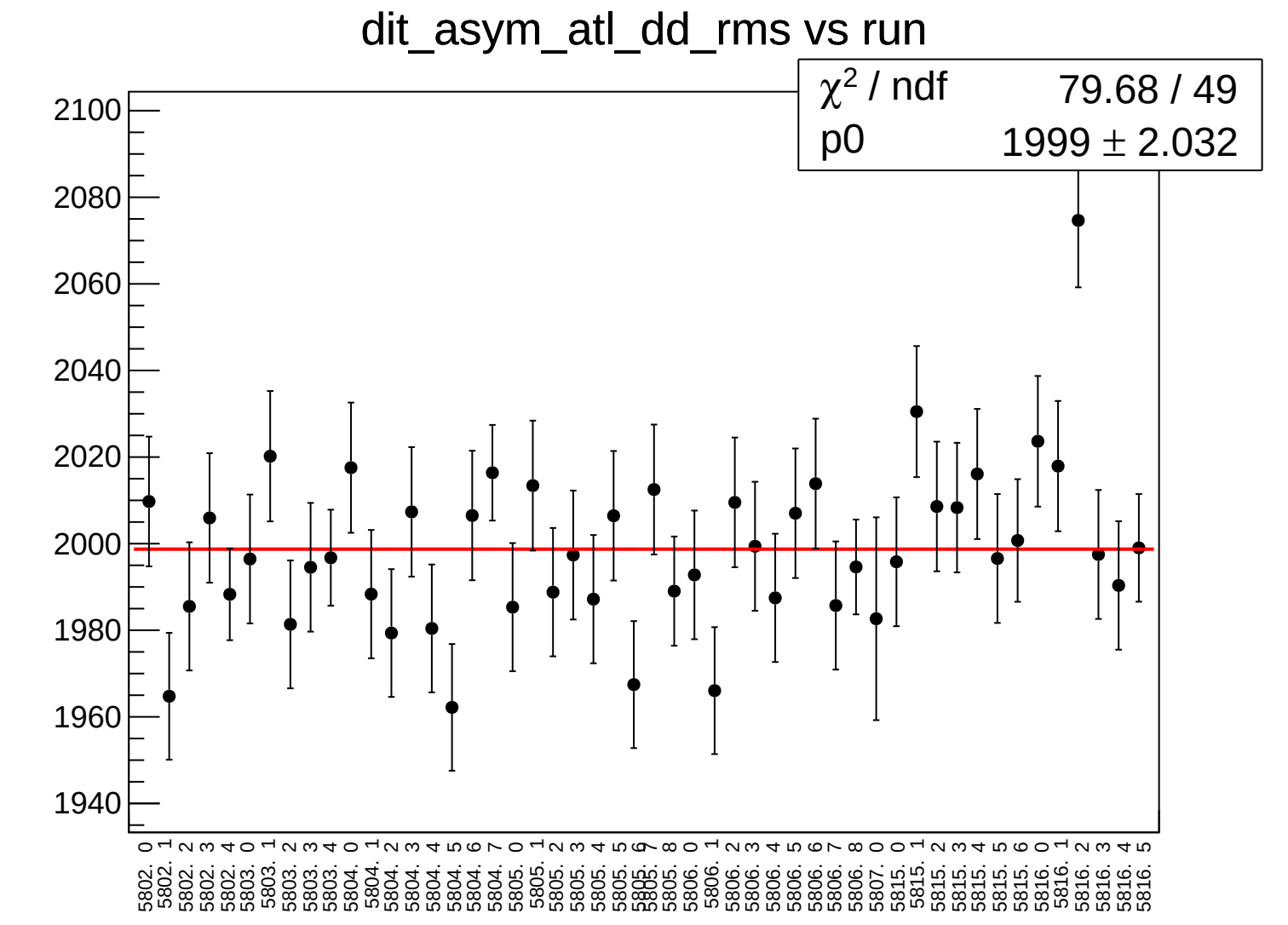

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 73.74 / 49
p0 2565 ± 5971
150
100
50
0
−50
−100
−150
−200
pull
Entries 50
Mean −158.4
Std Dev 178.6
2
1
0
−1
−2
−3

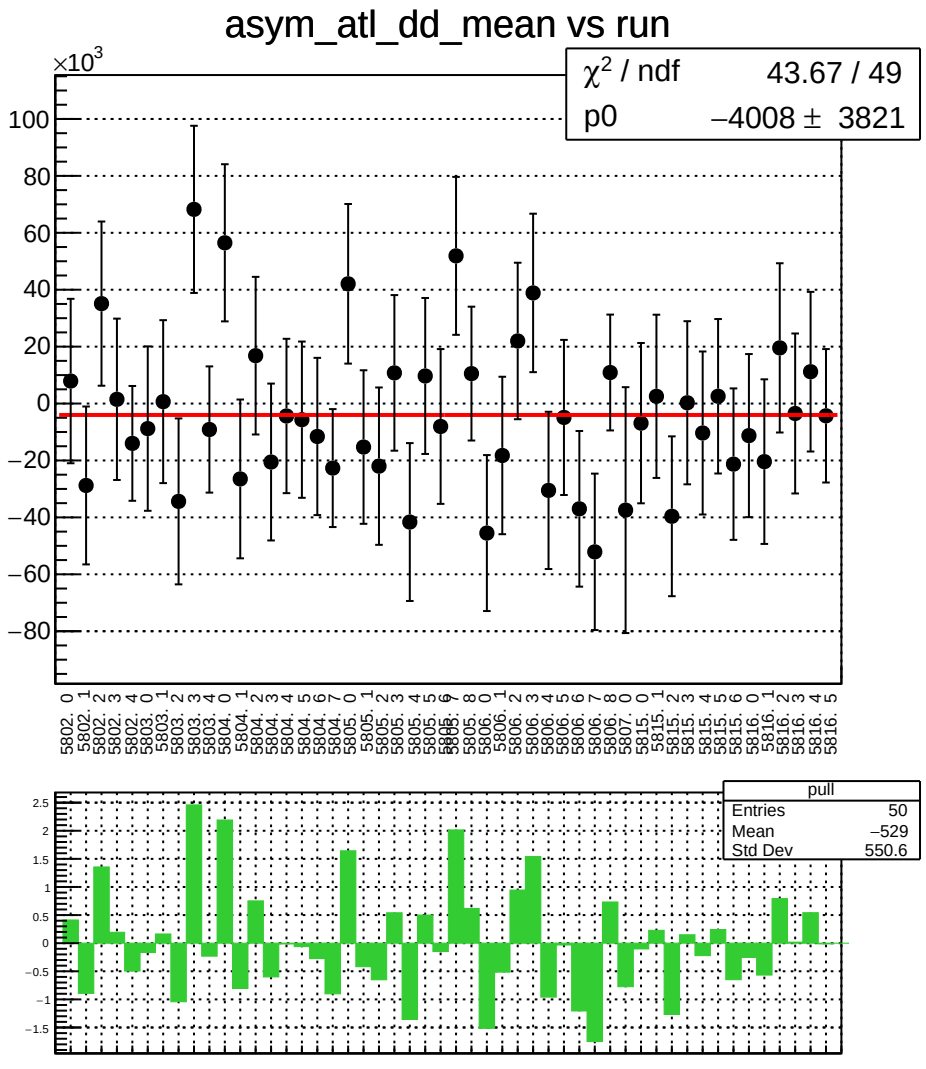

pull1D
Entries 50
Mean −0.009555
Std Dev 1.214
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

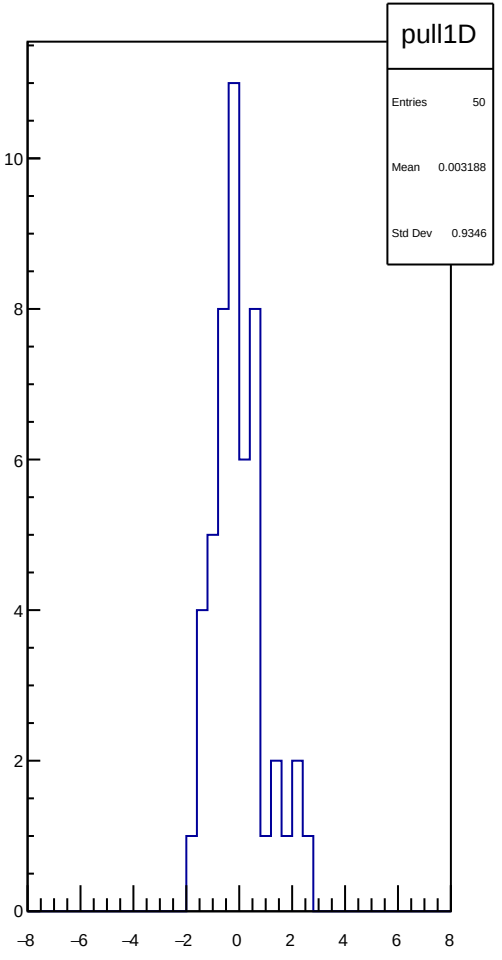

asym_atl_avg_rms vs run
χ² / ndf 2348 / 49
p0 4149 ± 4.222
5000
4800
4600
4400
4200
4000
3800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

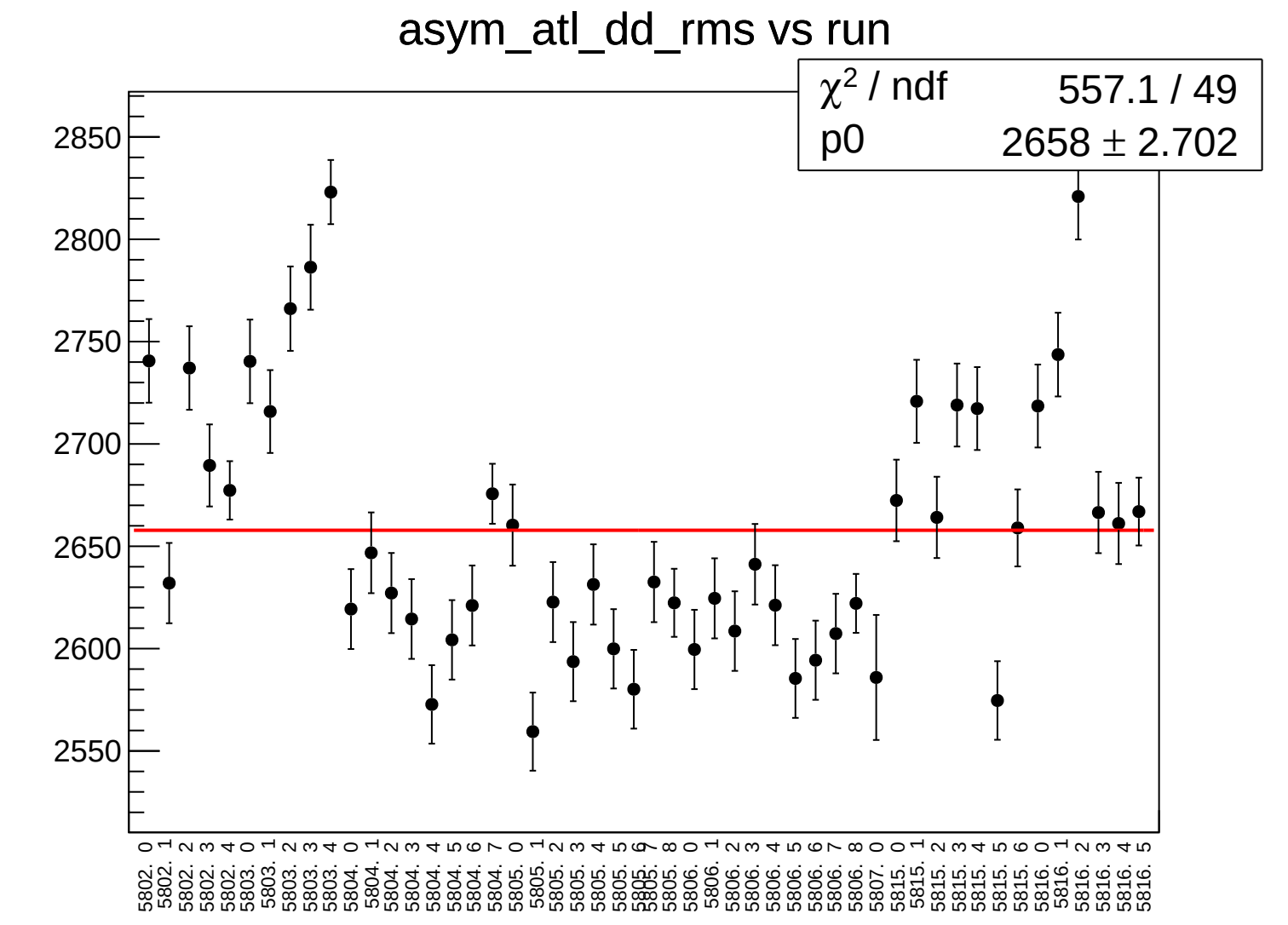

dit_asym_atl_dd_mean vs run
χ² / ndf 54.66 / 49
p0 −2483 ± 2873
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean 294
Std Dev 266.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

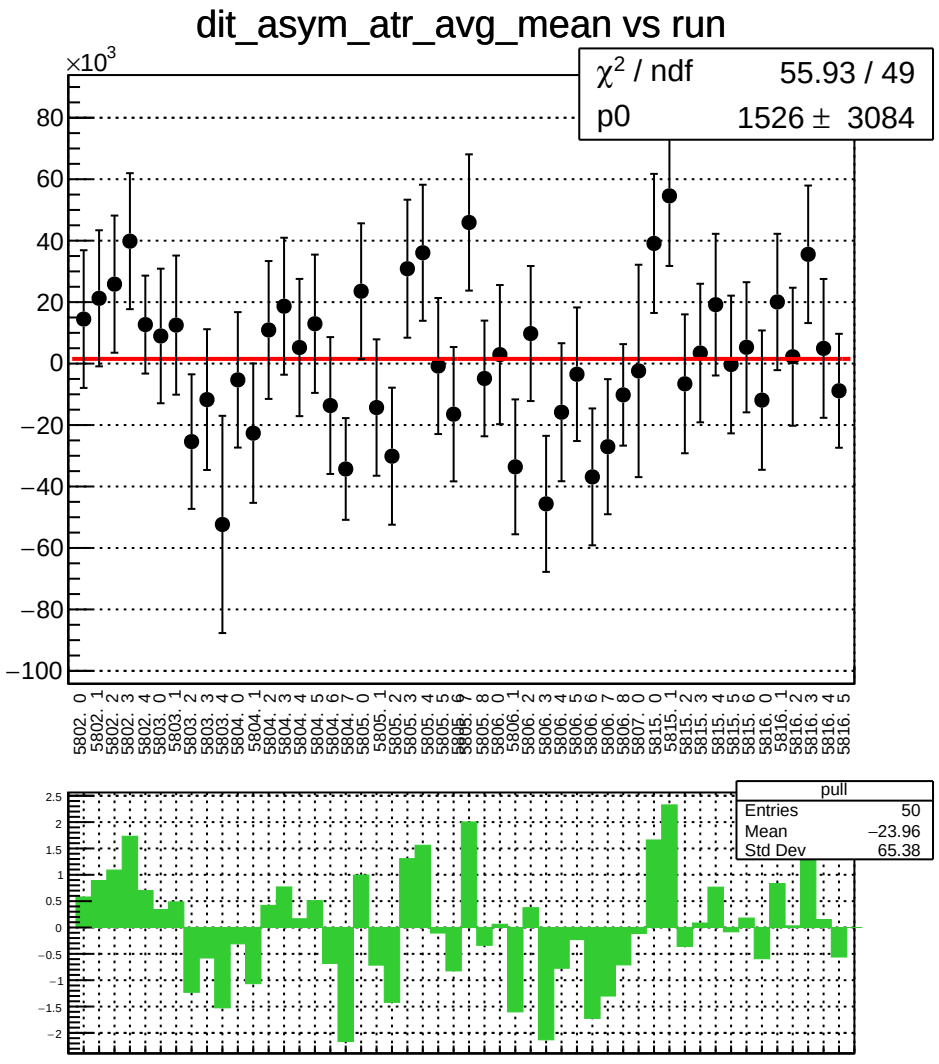

pull1D
Entries 50
Mean −0.001989
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

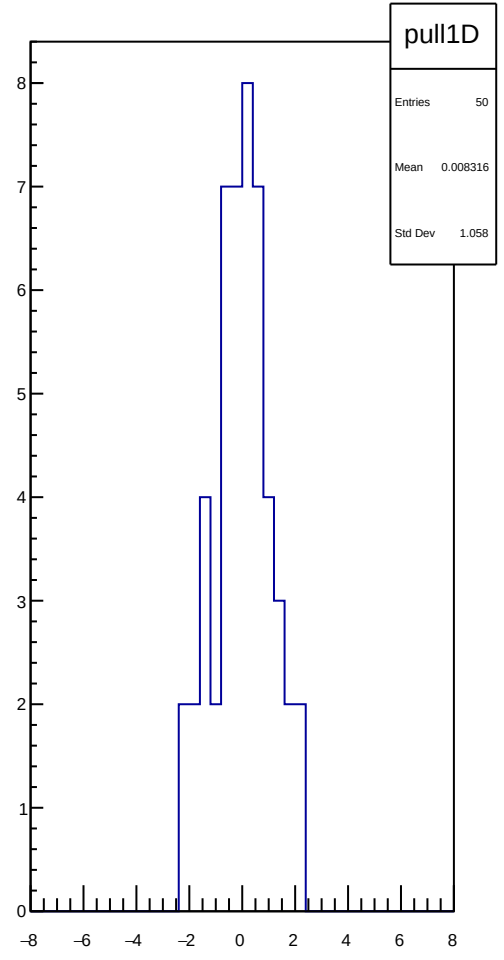

dit_asym_atl_dd_rms vs run
χ² / ndf 79.68 / 49
p0 1999 ± 2.032
2100
2080
2060
2040
2020
2000
1980
1960
1940
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

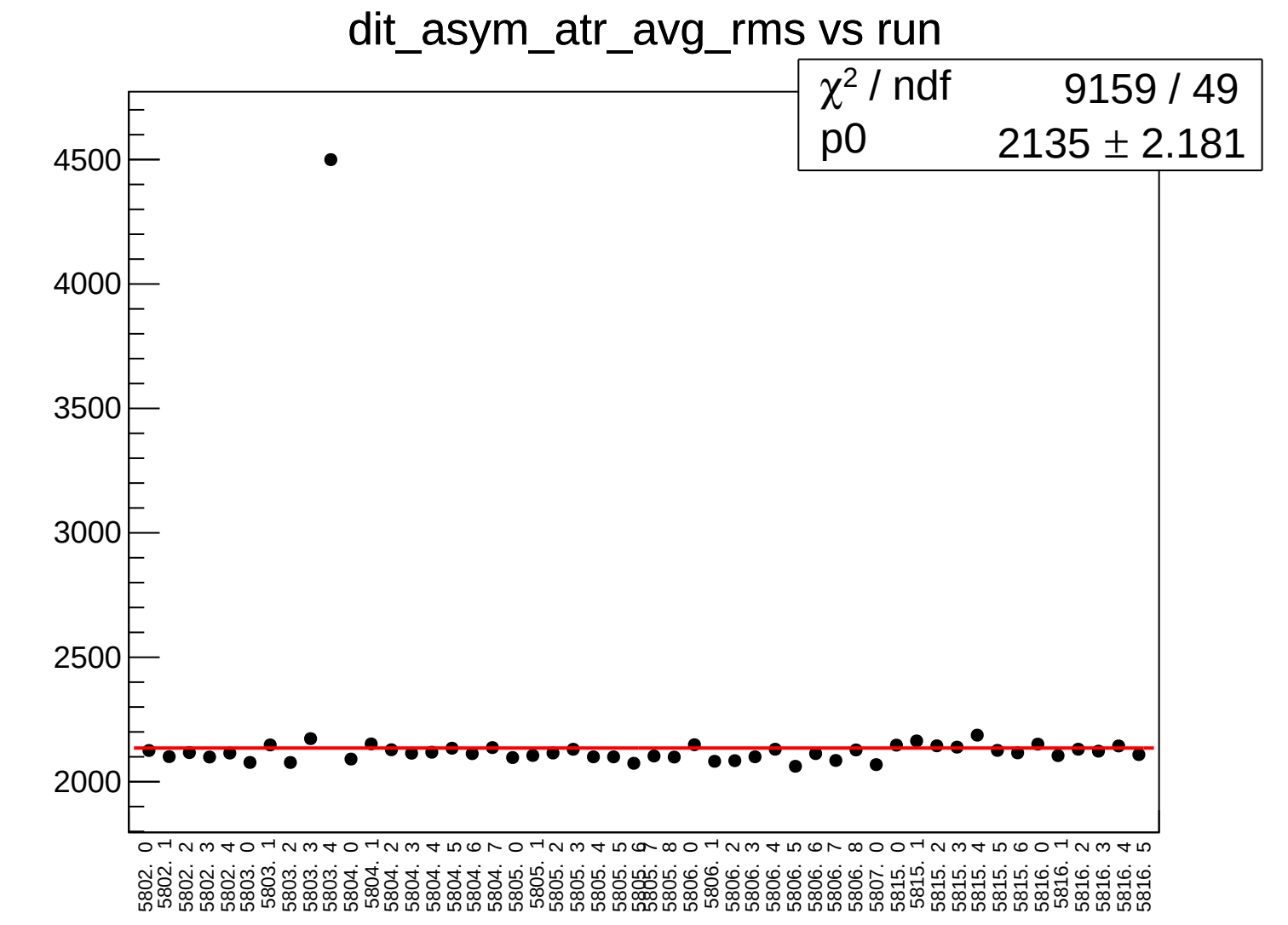

asym_atl_dd_mean vs run
×10^3
χ² / ndf 43.67 / 49
p0 −4008 ± 3821
pull
Entries 50
Mean −529
Std Dev 550.6

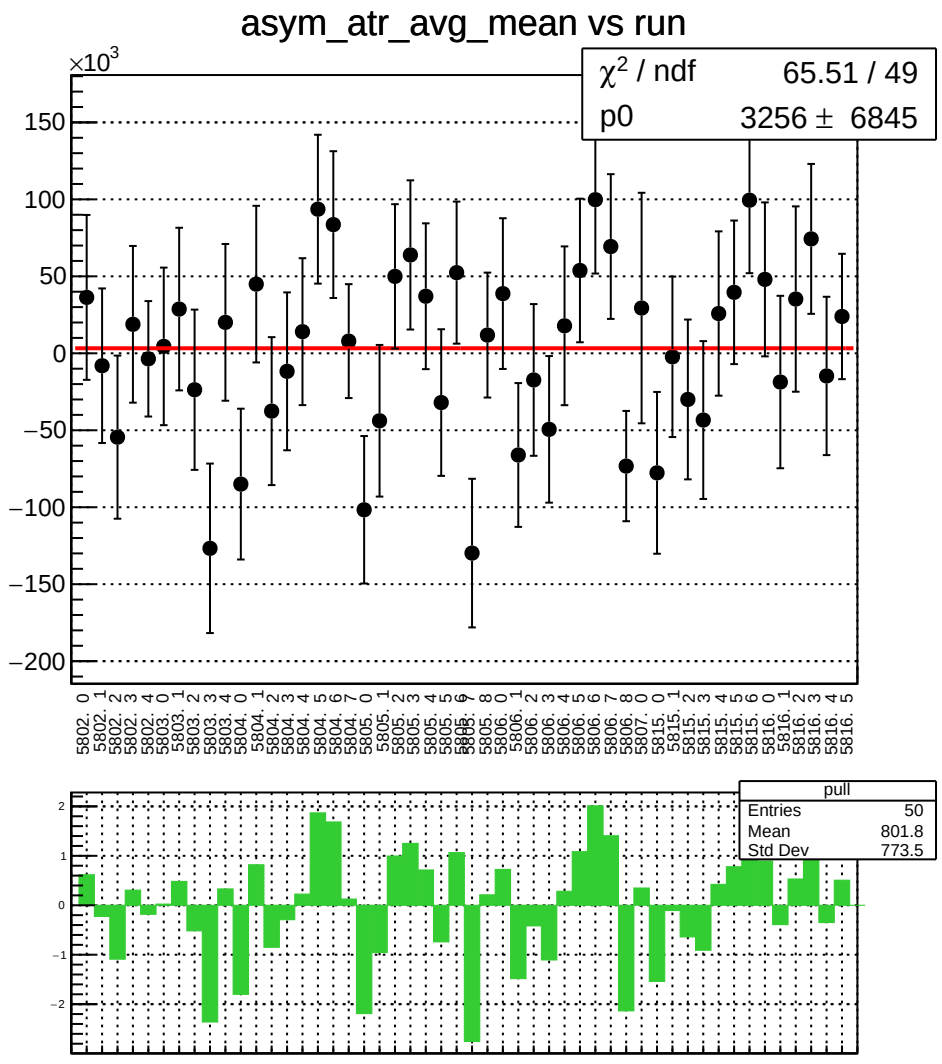

pull1D
Entries 50
Mean 0.003188
Std Dev 0.9346

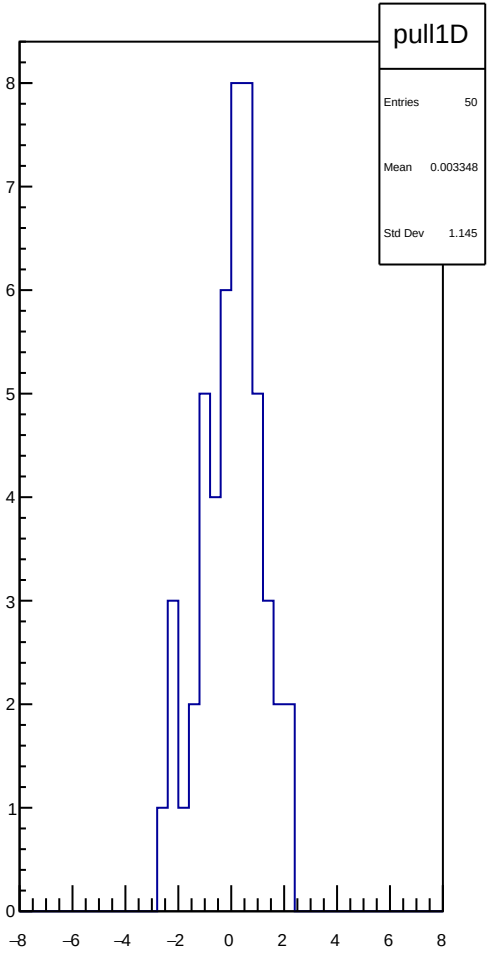

asym_atl_dd_rms vs run
χ² / ndf 557.1 / 49
p0 2658 ± 2.702
2850
2800
2750
2700
2650
2600
2550
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

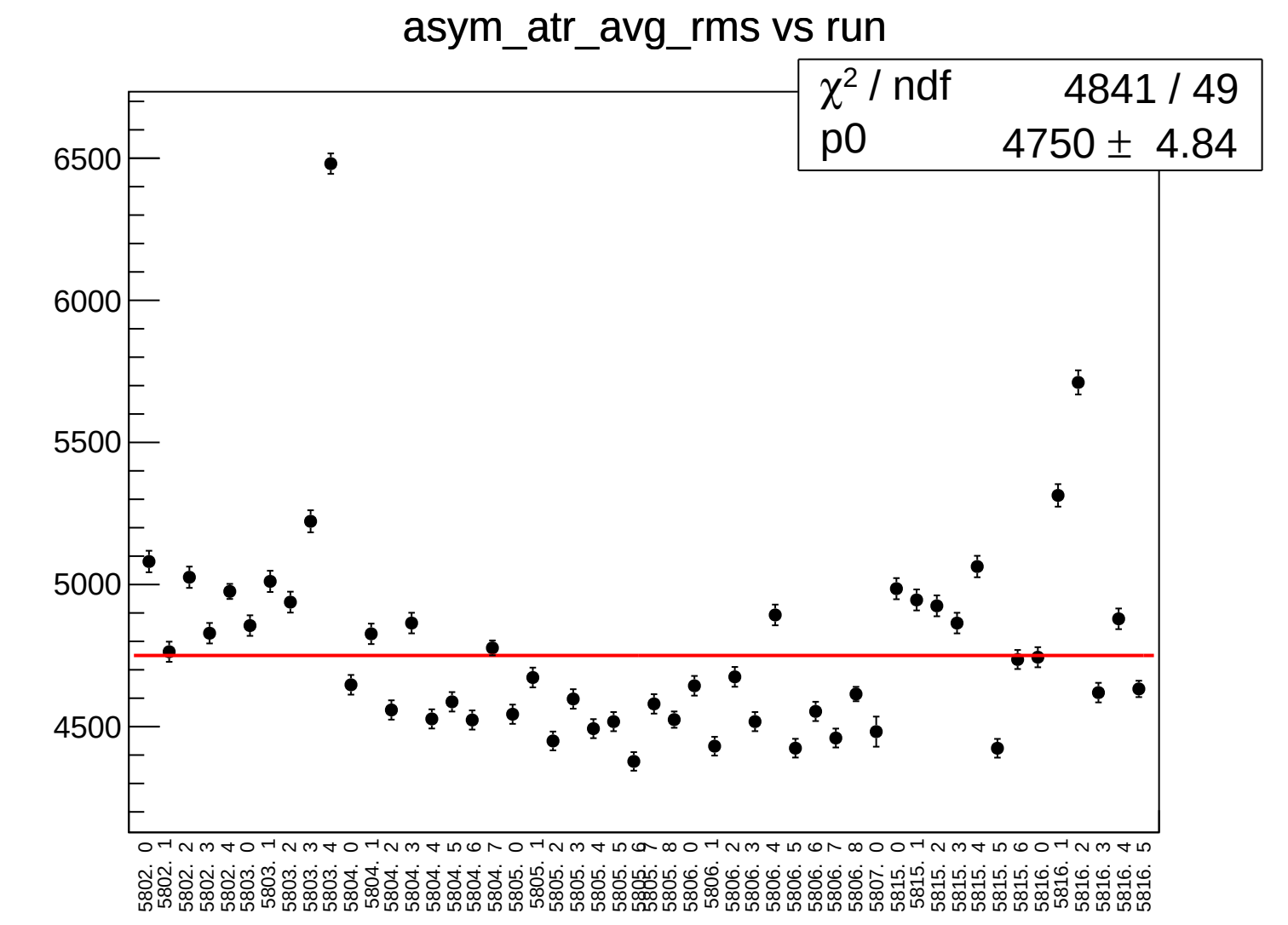

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 55.93 / 49
p0 1526 ± 3084
pull
Entries 50
Mean −23.96
Std Dev 65.38


pull1D
Entries 50
Mean 0.008316
Std Dev 1.058


dit_asym_atr_avg_rms vs run
χ² / ndf 9159 / 49
p0 2135 ± 2.181
4500
4000
3500
3000
2500
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_atr_avg_mean vs run
×10^3
χ² / ndf 65.51 / 49
p0 3256 ± 6845
150
100
50
0
−50
−100
−150
−200
pull
Entries 50
Mean 801.8
Std Dev 773.5
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.003348
Std Dev 1.145
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_rms vs run
χ² / ndf 4841 / 49
p0 4750 ± 4.84
6500
6000
5500
5000
4500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
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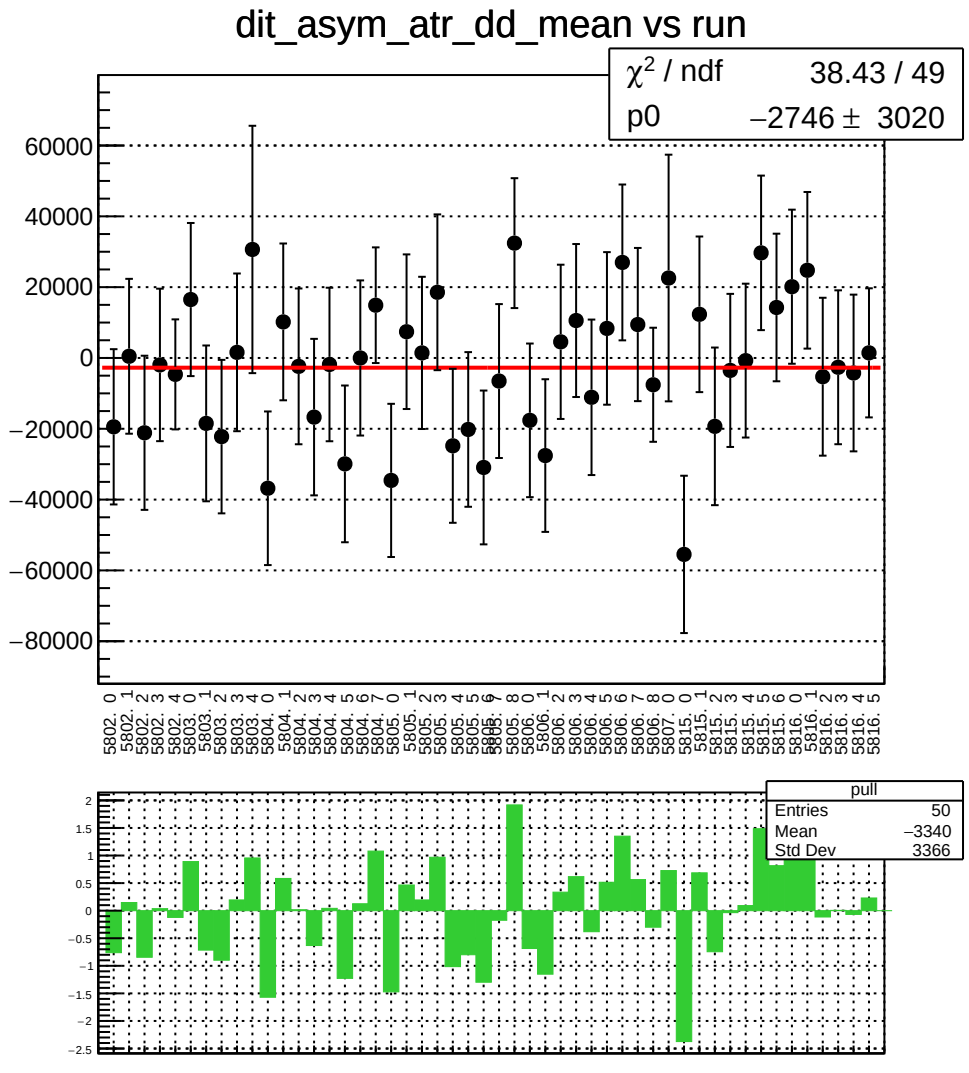
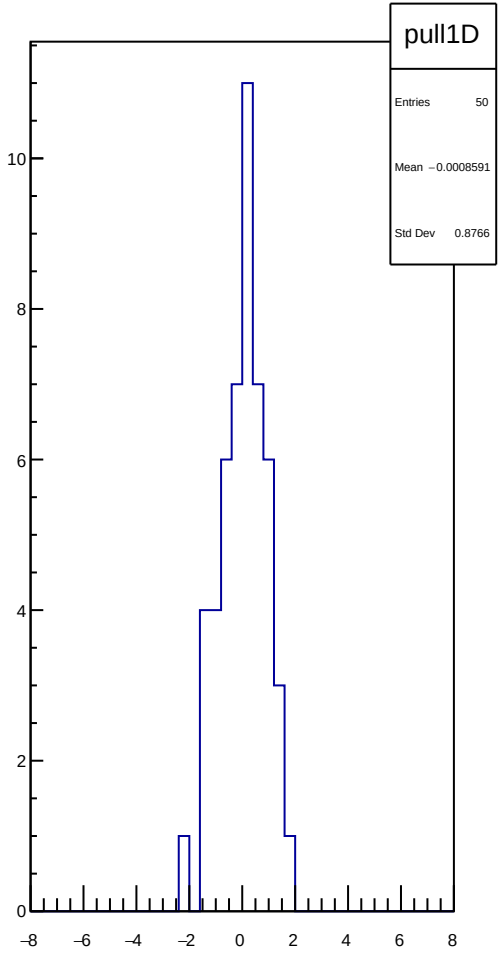
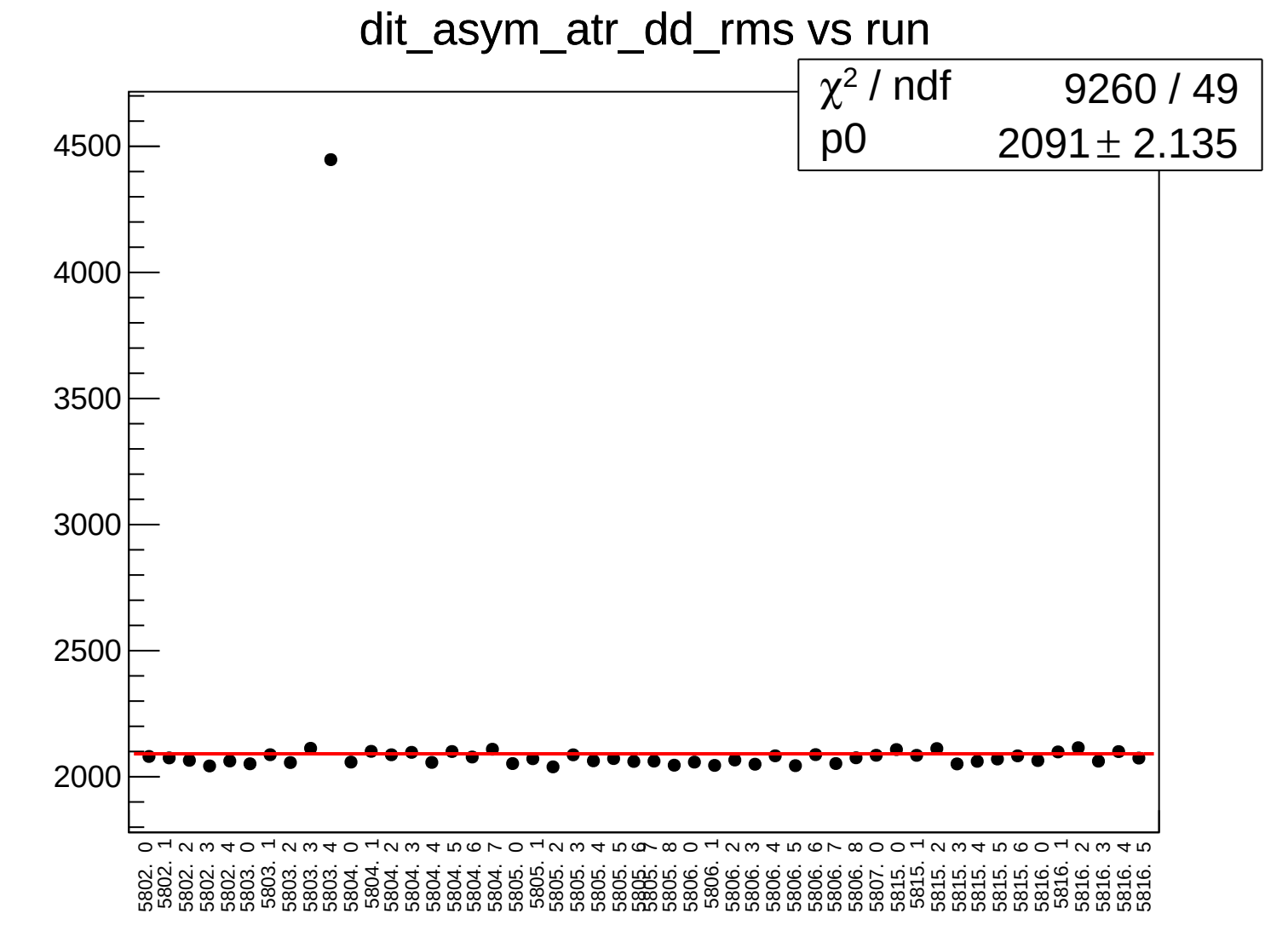
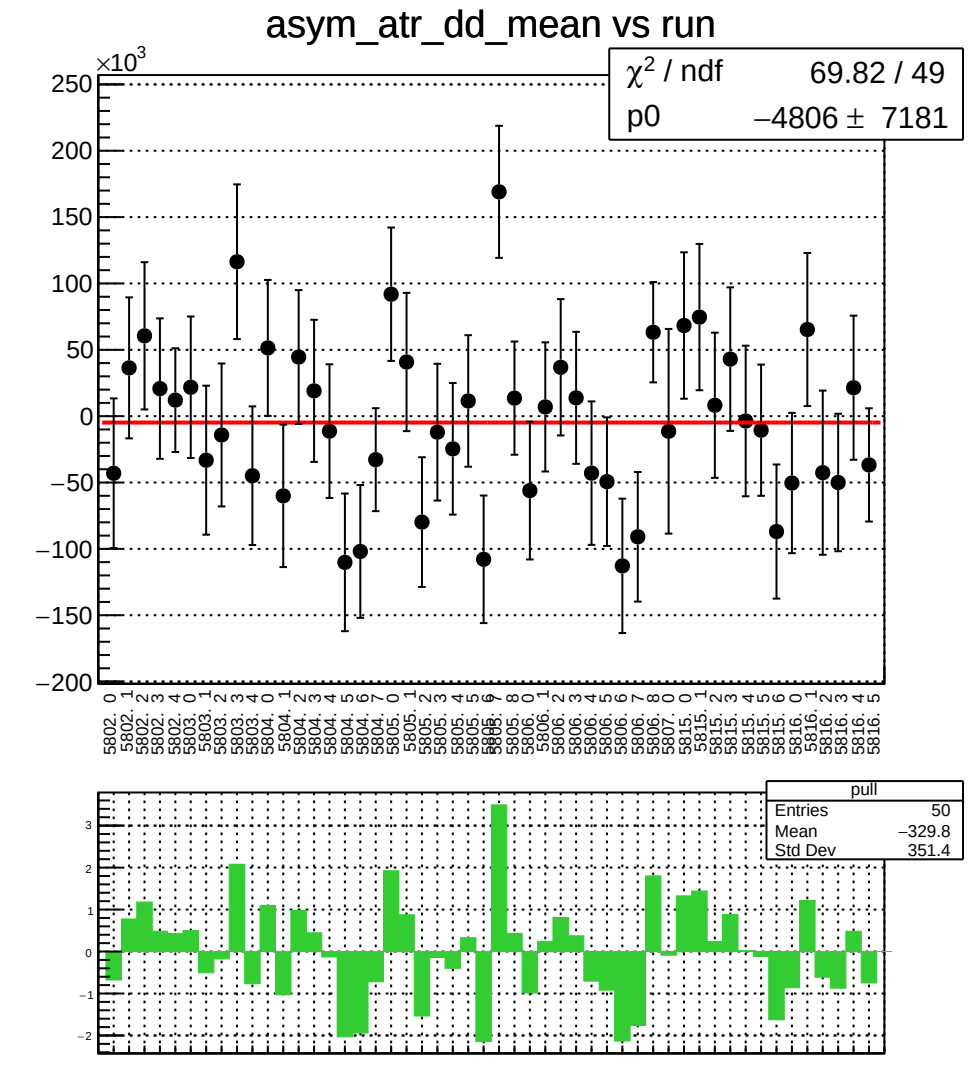
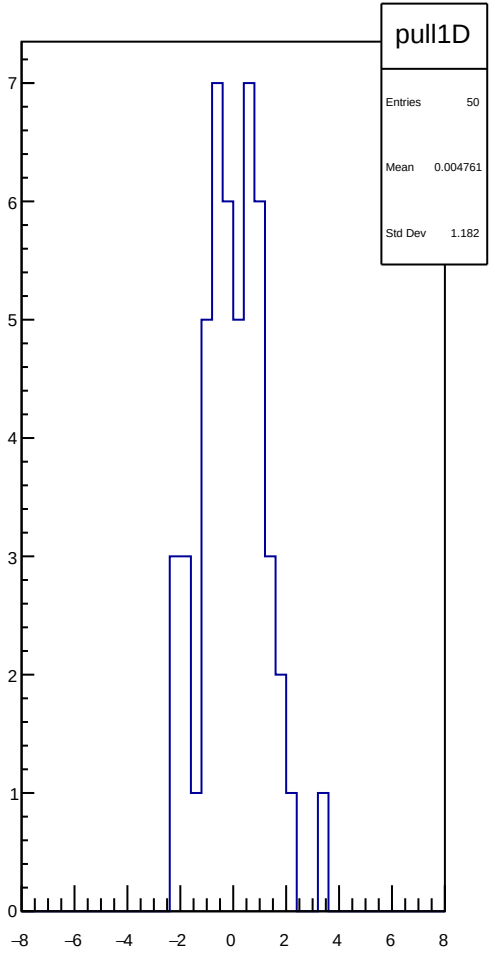
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

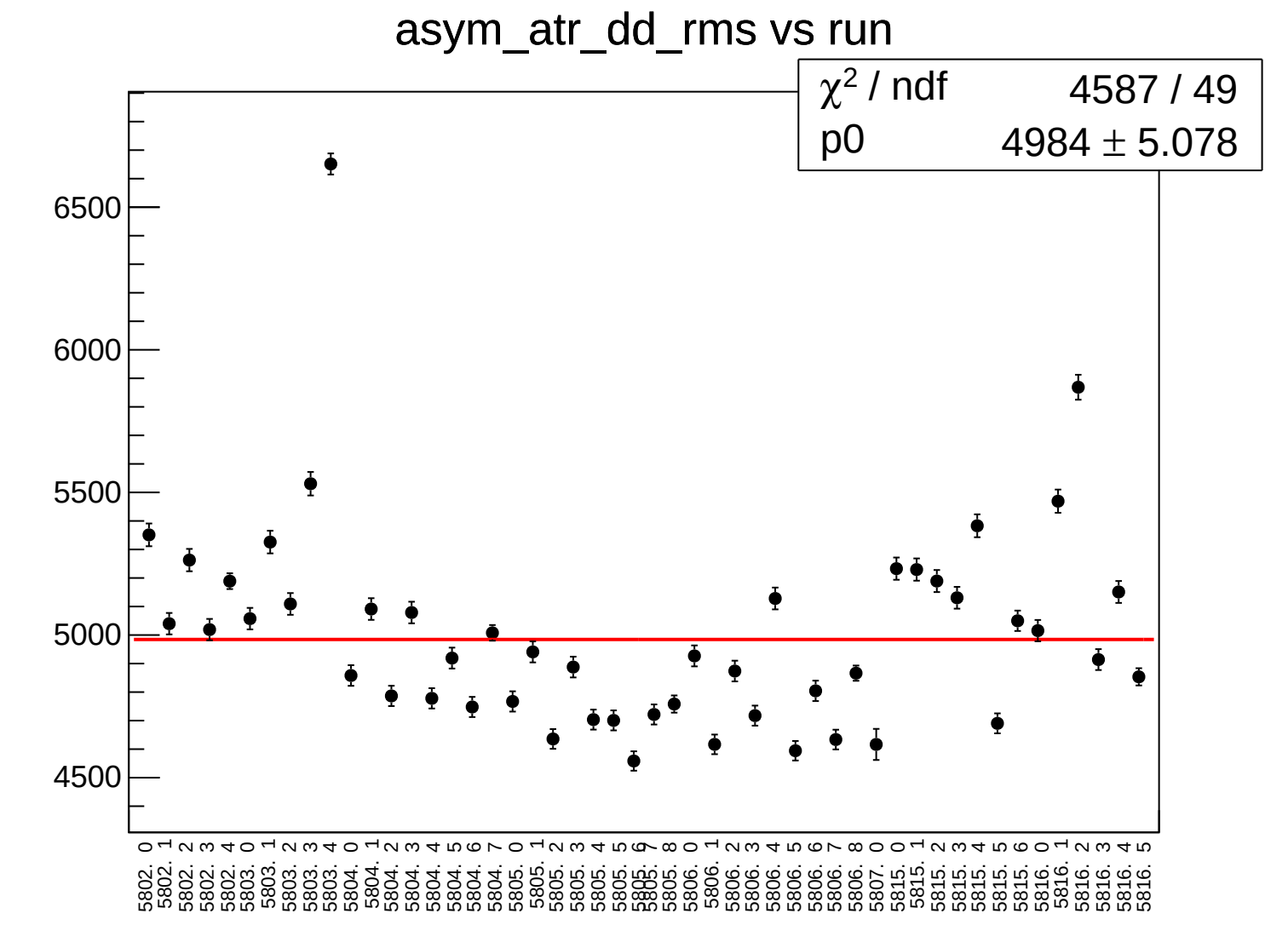

dit_asym_atr_dd_mean vs run
χ² / ndf 38.43 / 49
p0 −2746 ± 3020
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −3340
Std Dev 3366
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

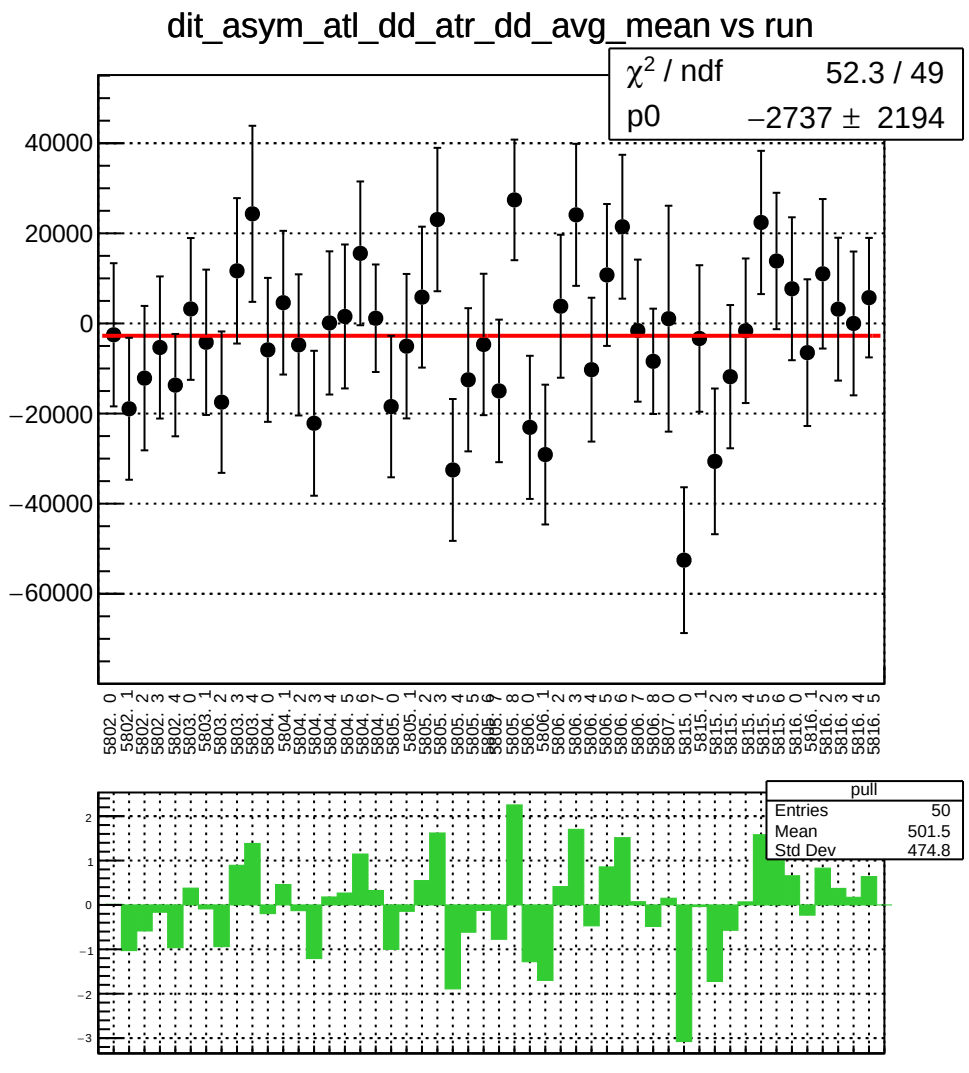

pull1D
Entries 50
Mean −0.0008591
Std Dev 0.8766
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

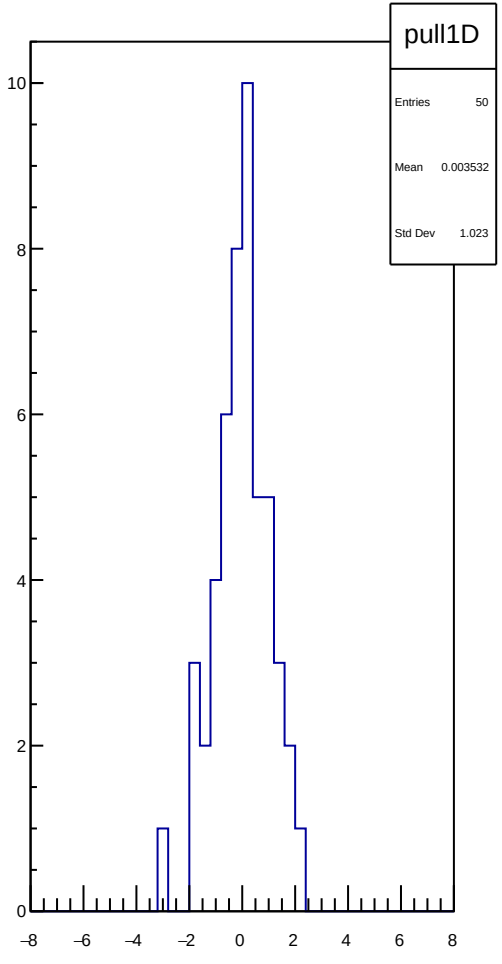

dit_asym_atr_dd_rms vs run
χ² / ndf 9260 / 49
p0 2091 ± 2.135
4500
4000
3500
3000
2500
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

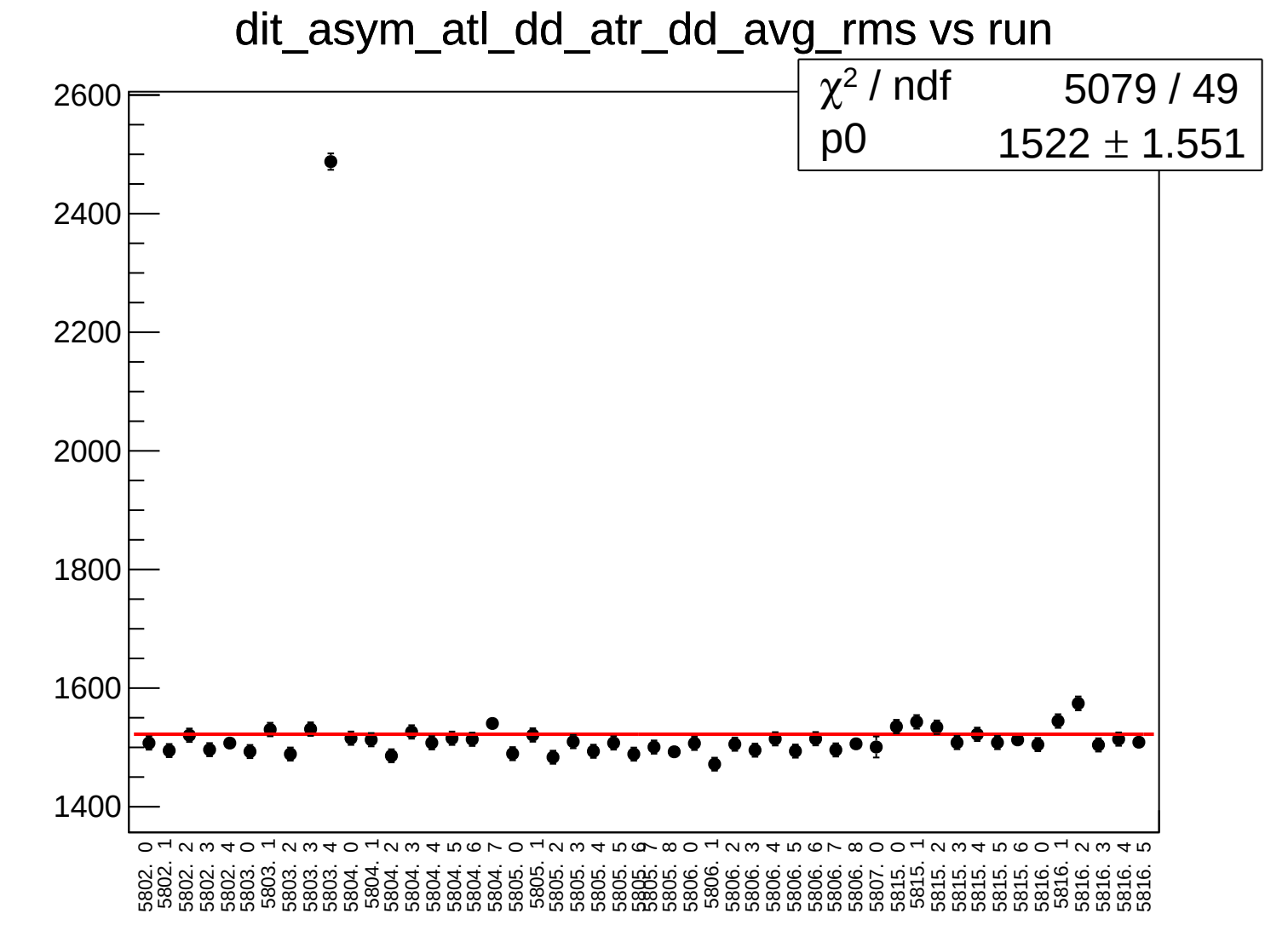

asym_atr_dd_mean vs run
×10^3
χ² / ndf 69.82 / 49
p0 −4806 ± 7181
pull
Entries 50
Mean −329.8
Std Dev 351.4


pull1D
Entries 50
Mean 0.004761
Std Dev 1.182


asym_atr_dd_rms vs run
χ² / ndf 4587 / 49
p0 4984 ± 5.078
6500
6000
5500
5000
4500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 52.3 / 49
p0 −2737 ± 2194
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 501.5
Std Dev 474.8
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.003532
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5079 / 49
p0 1522 ± 1.551
2600
2400
2200
2000
1800
1600
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
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5815. 5
5815. 6
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5816. 2
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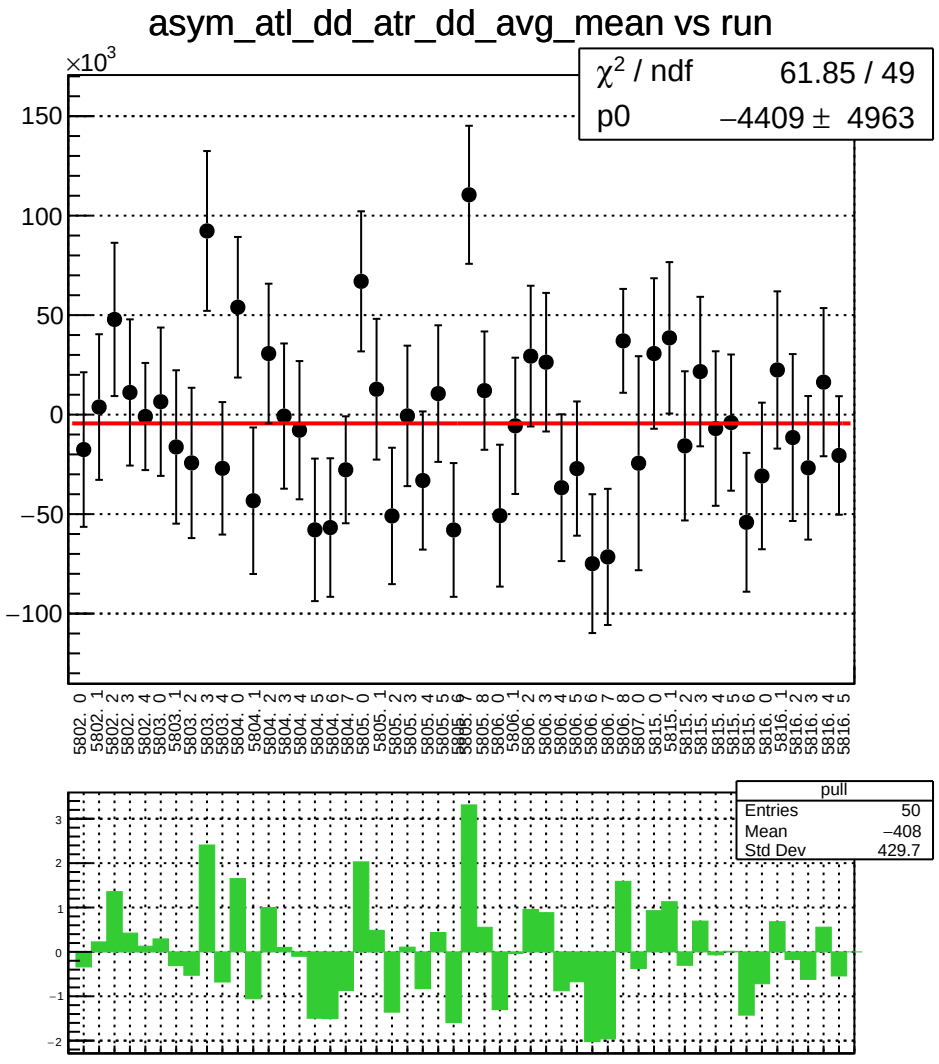
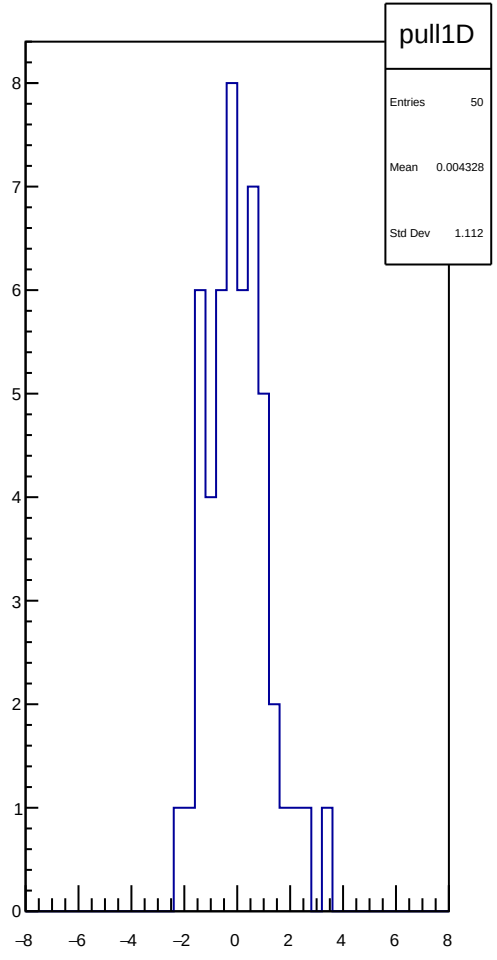
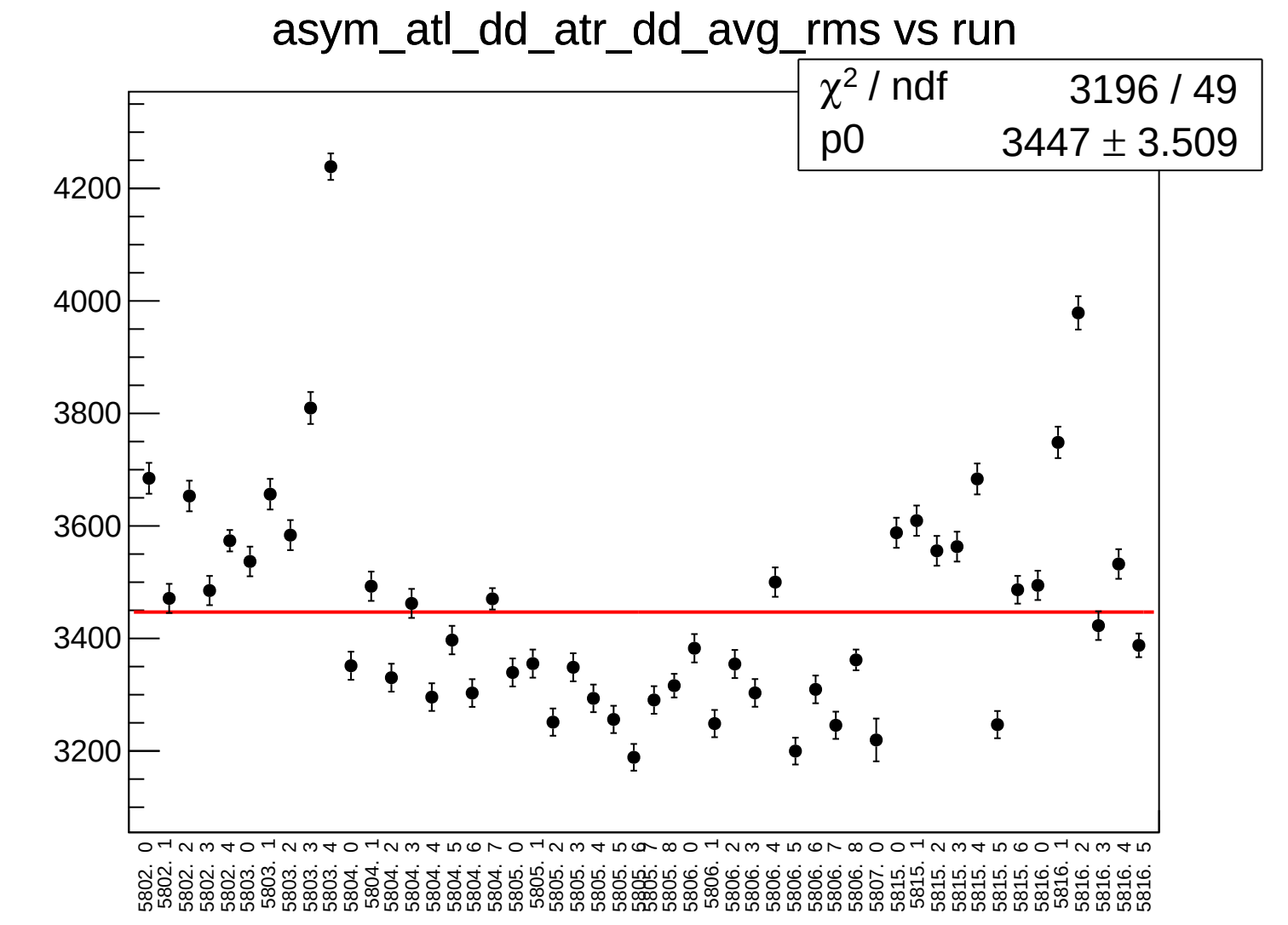
5816. 5


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 61.85 / 49
p0 −4409 ± 4963
150
100
50
0
−50
−100
pull
Entries 50
Mean −408
Std Dev 429.7
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.004328
Std Dev 1.112
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3196 / 49
p0 3447 ± 3.509
4200
4000
3800
3600
3400
3200
5802. 0
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5802. 2
5802. 3
5802. 4
5803. 0
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5803. 2
5803. 3
5803. 4
5804. 0
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5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
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5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
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5815. 5
5815. 6
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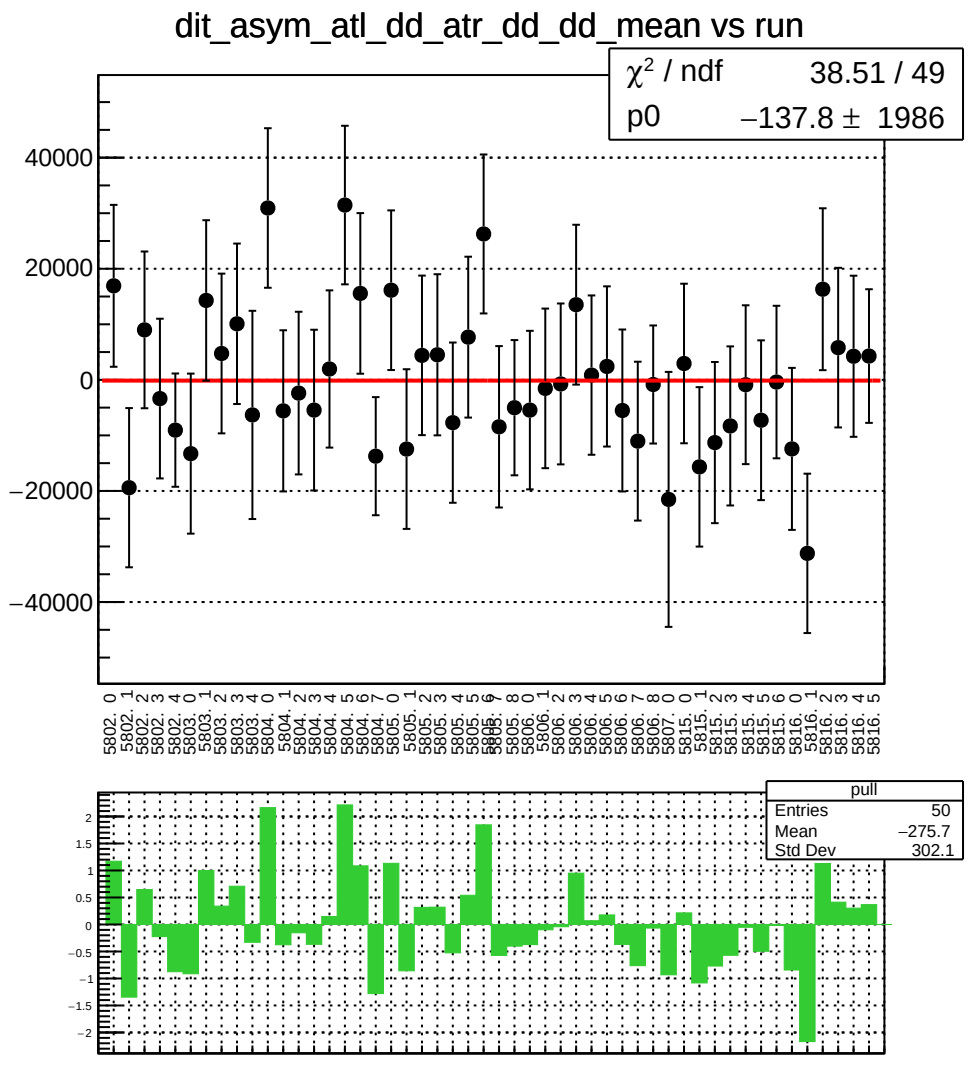
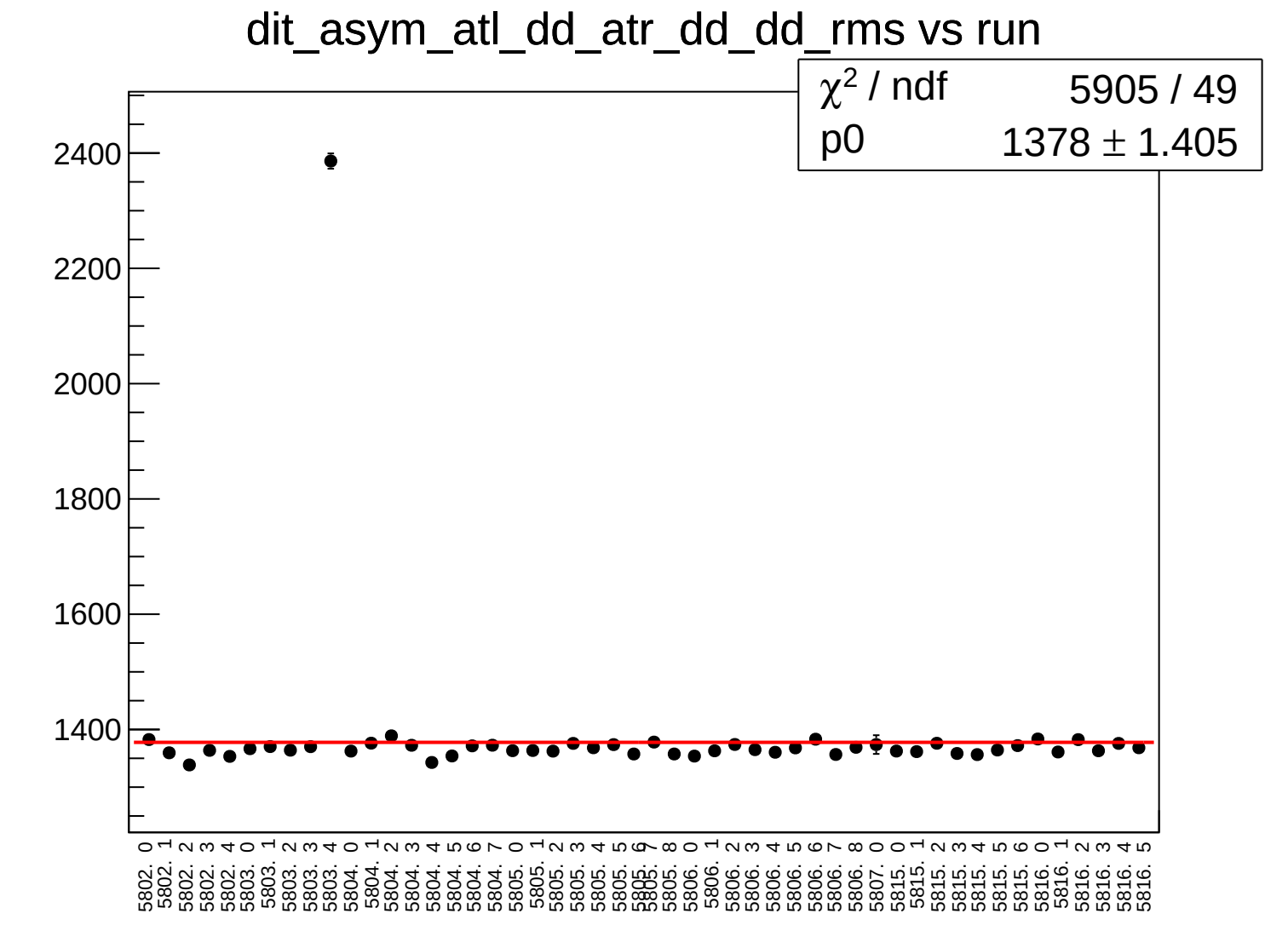
5816. 2
5816. 3
5816. 4
5816. 5


dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 38.51 / 49
p0 −137.8 ± 1986
40000
20000
0
−20000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean −275.7
Std Dev 302.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.007996
Std Dev 0.8776
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5905 / 49
p0 1378 ± 1.405
2400
2200
2000
1800
1600
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
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5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
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5815. 5
5815. 6
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5816. 2
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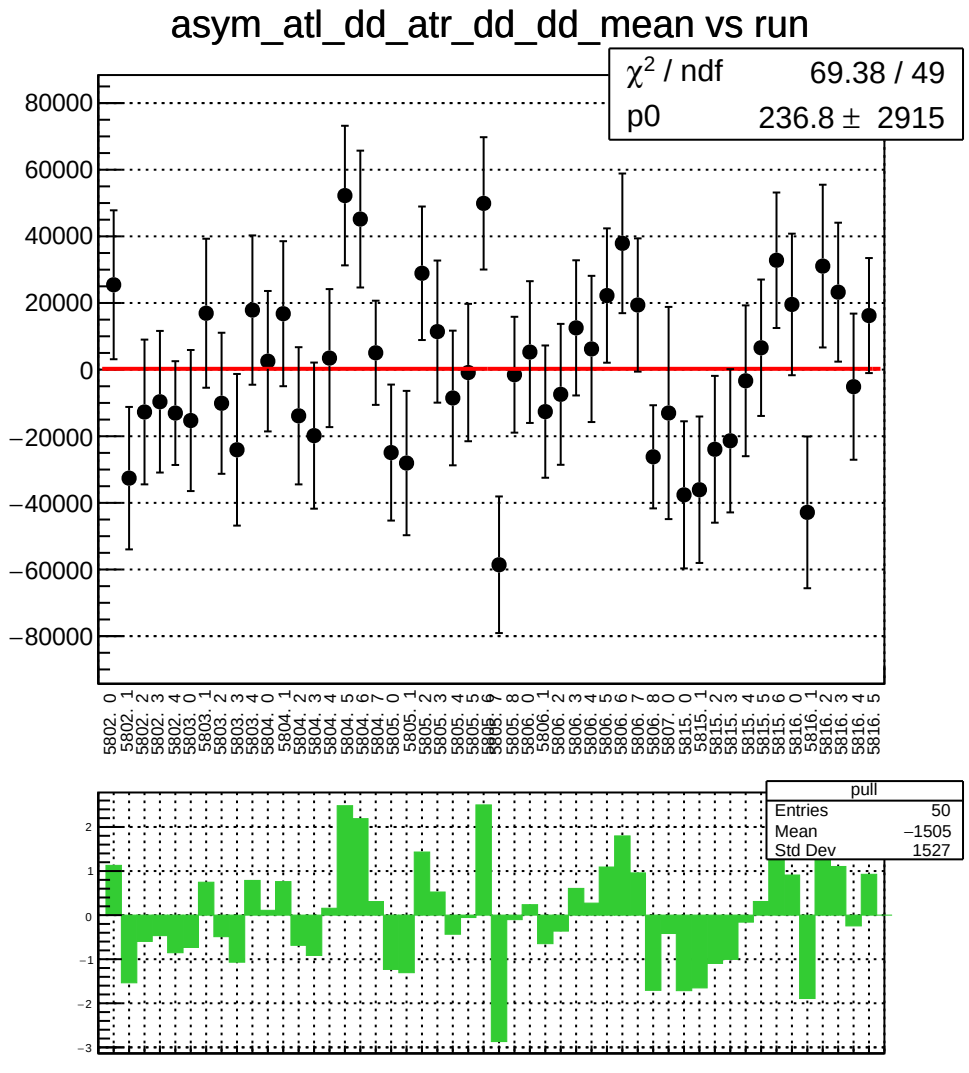
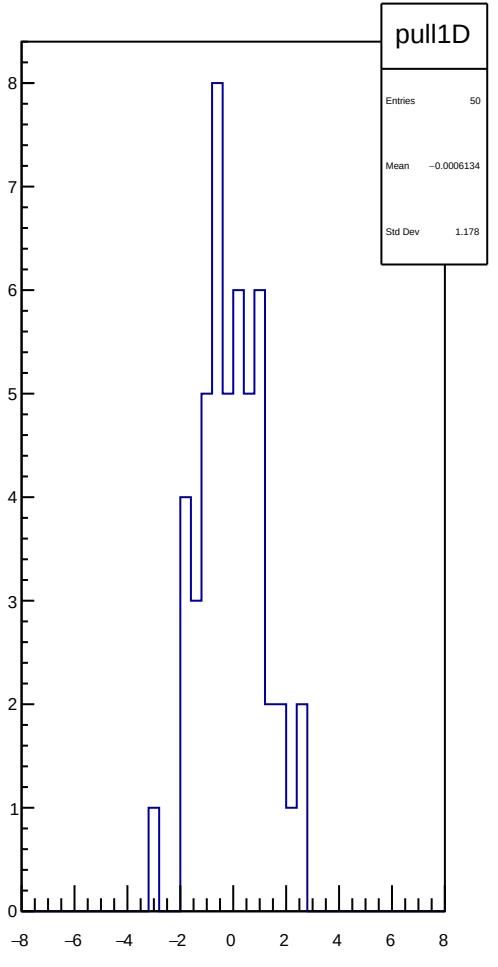
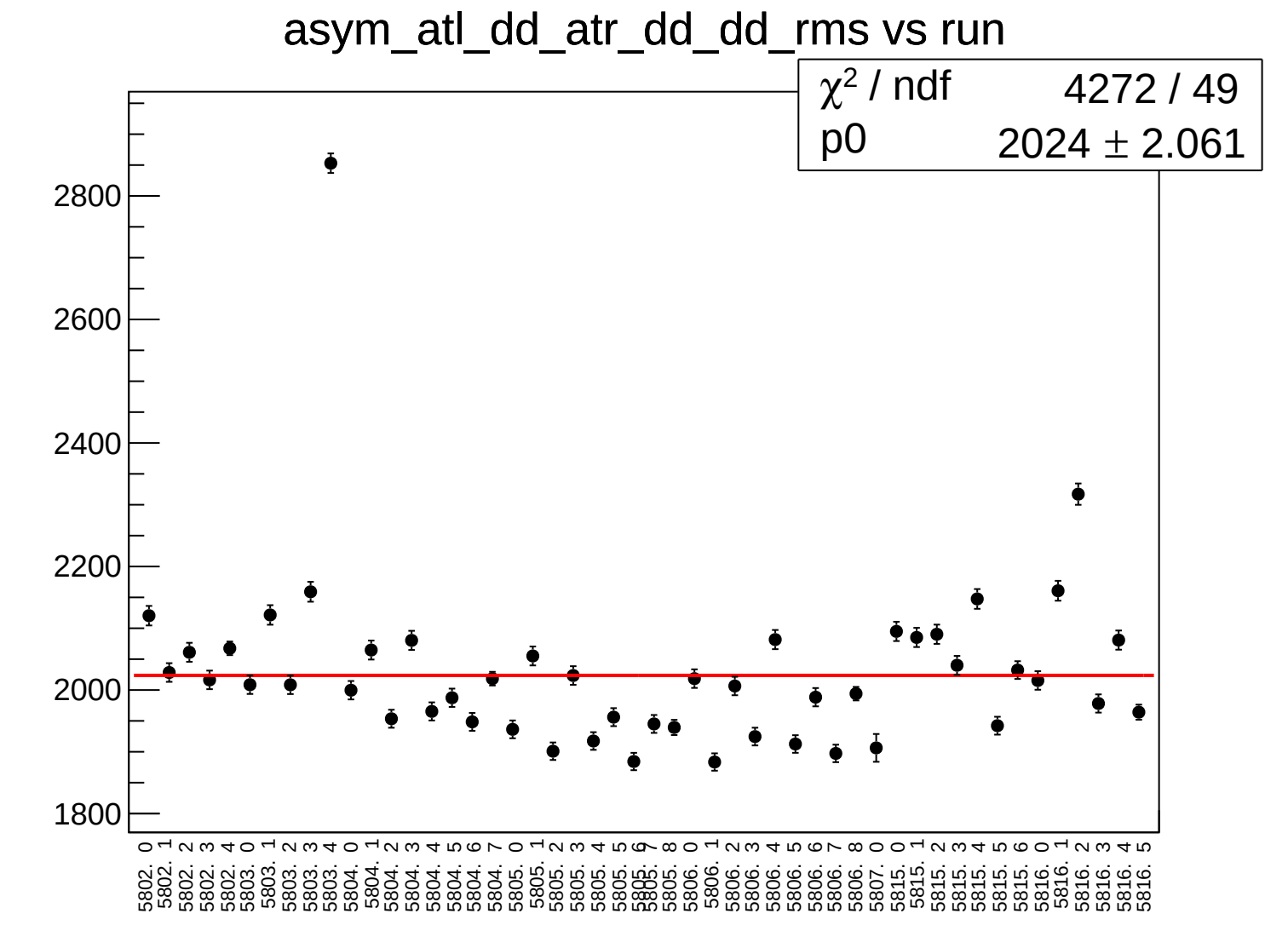
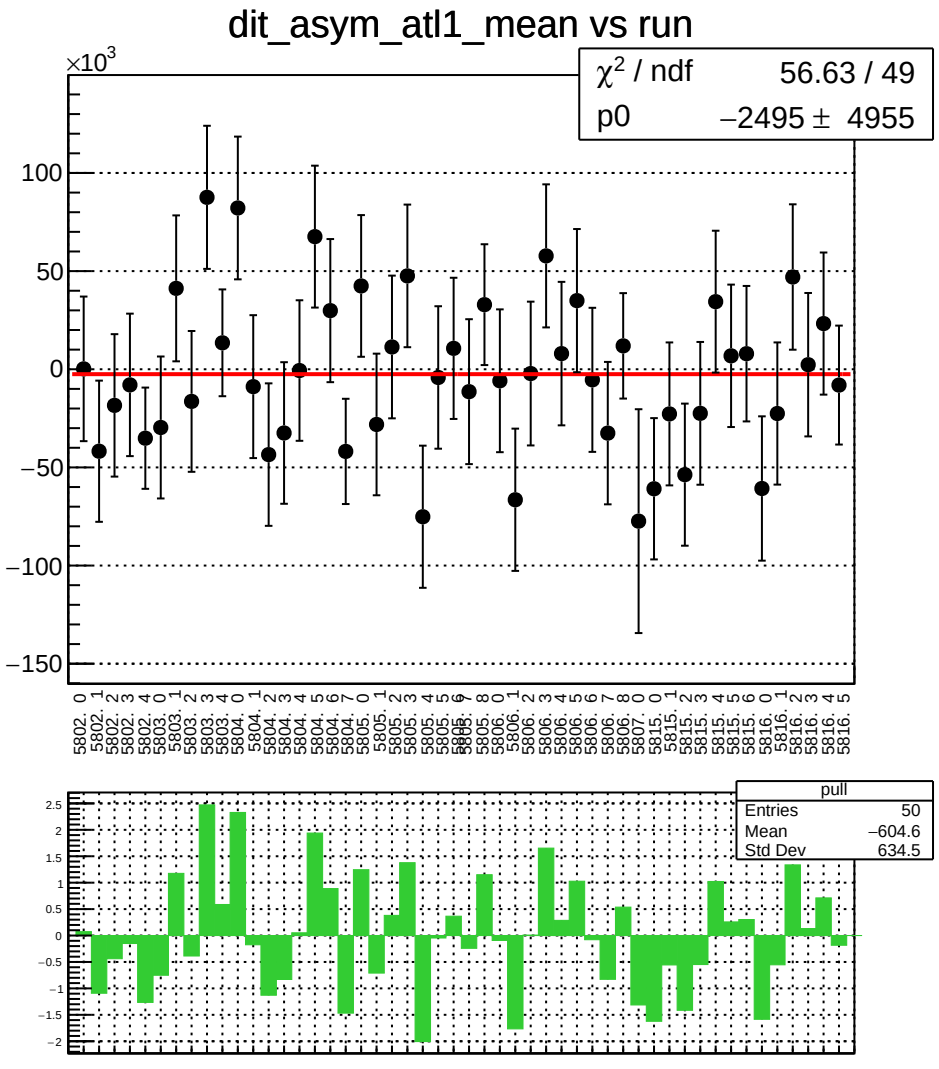
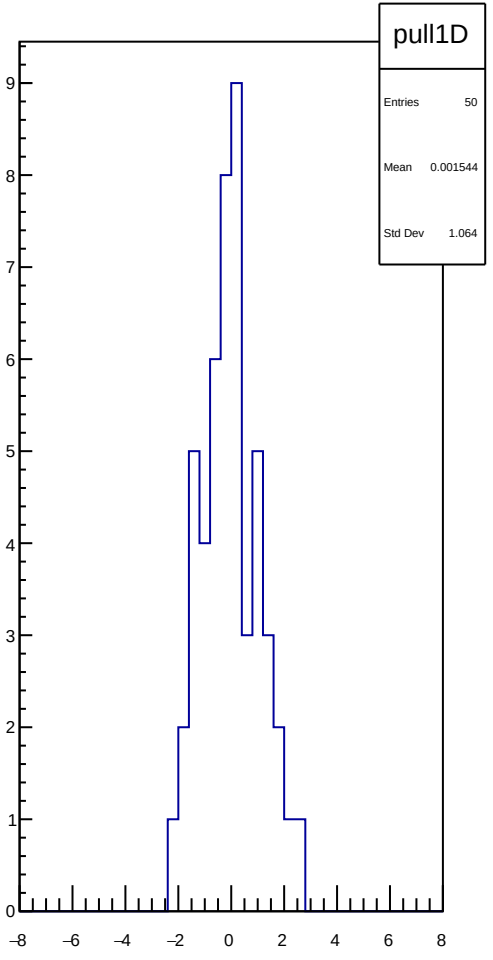
5816. 4
5816. 5

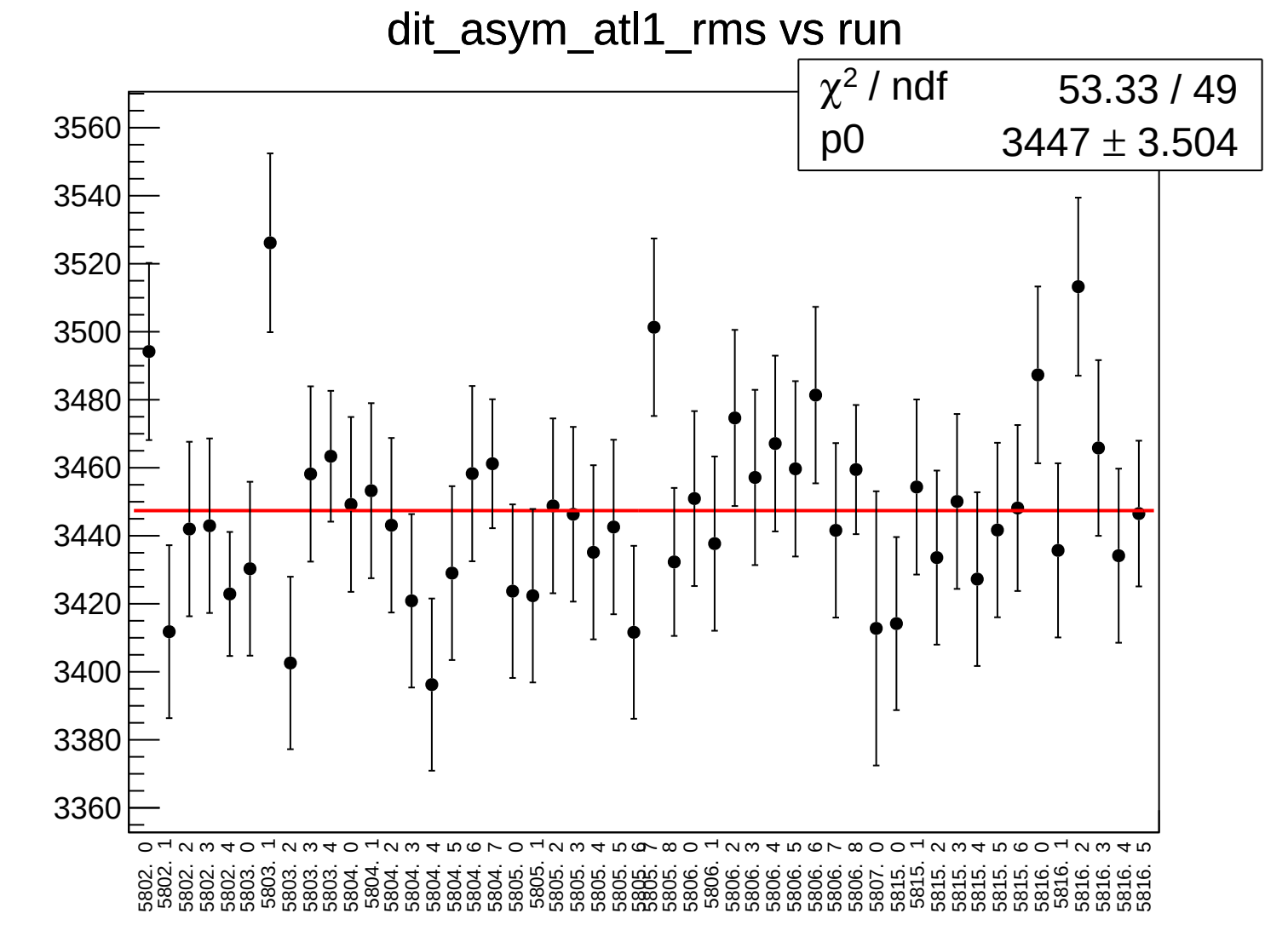

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 69.38 / 49
p0 236.8 ± 2915
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −1505
Std Dev 1527
2
1
0
−1
−2
−3

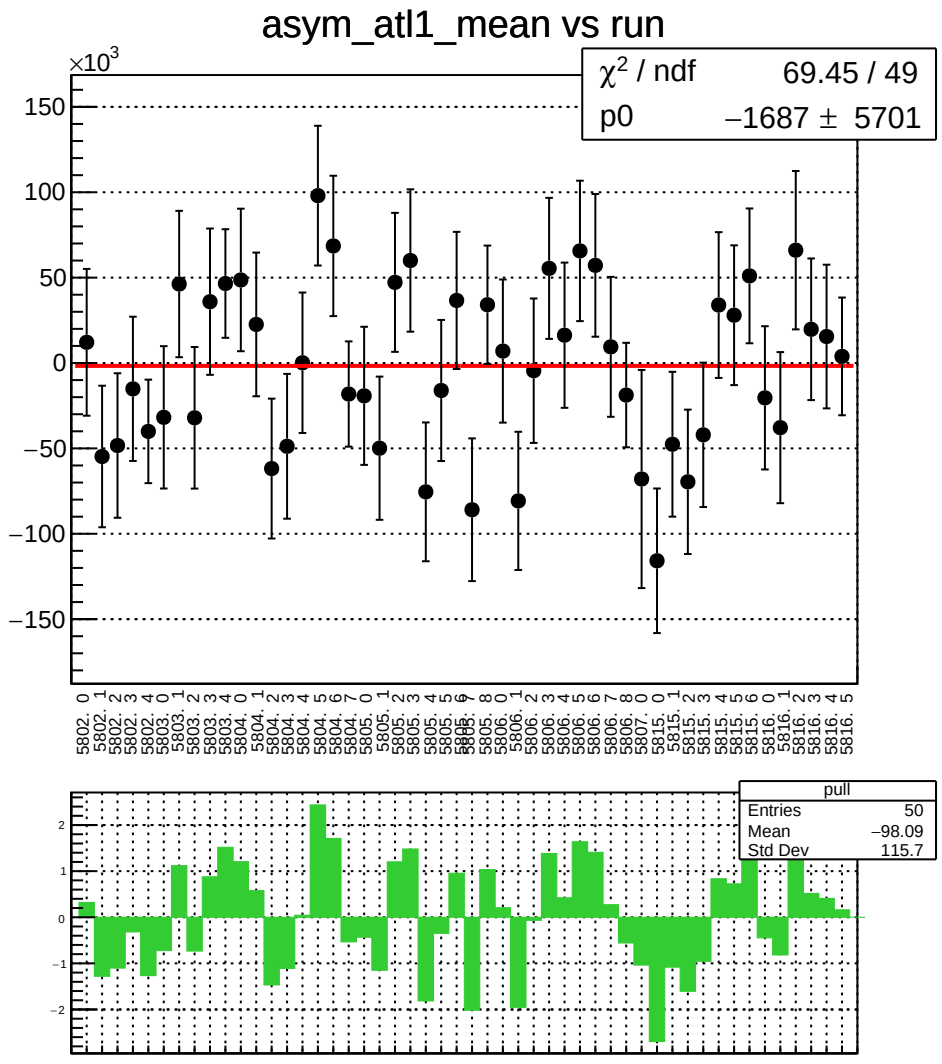

pull1D
Entries 50
Mean −0.0006134
Std Dev 1.178
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

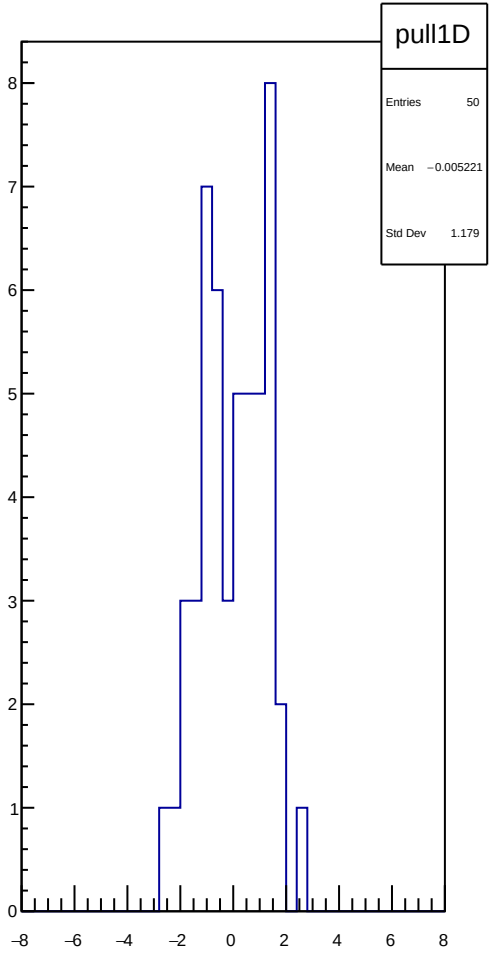

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4272 / 49
p0 2024 ± 2.061
2800
2600
2400
2200
2000
1800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

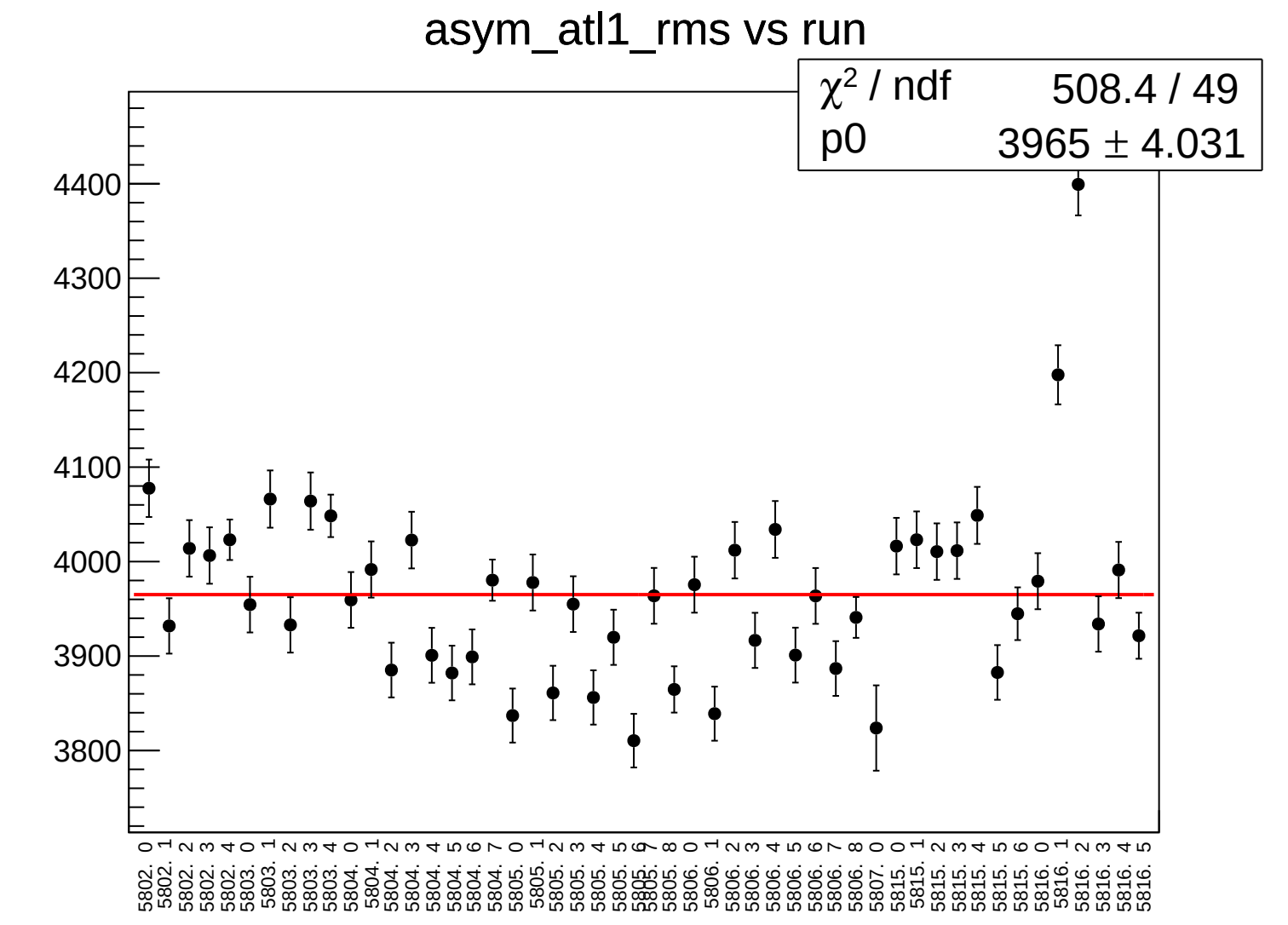

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 56.63 / 49
p0 −2495 ± 4955
100
50
0
−50
−100
−150
pull
Entries 50
Mean −604.6
Std Dev 634.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

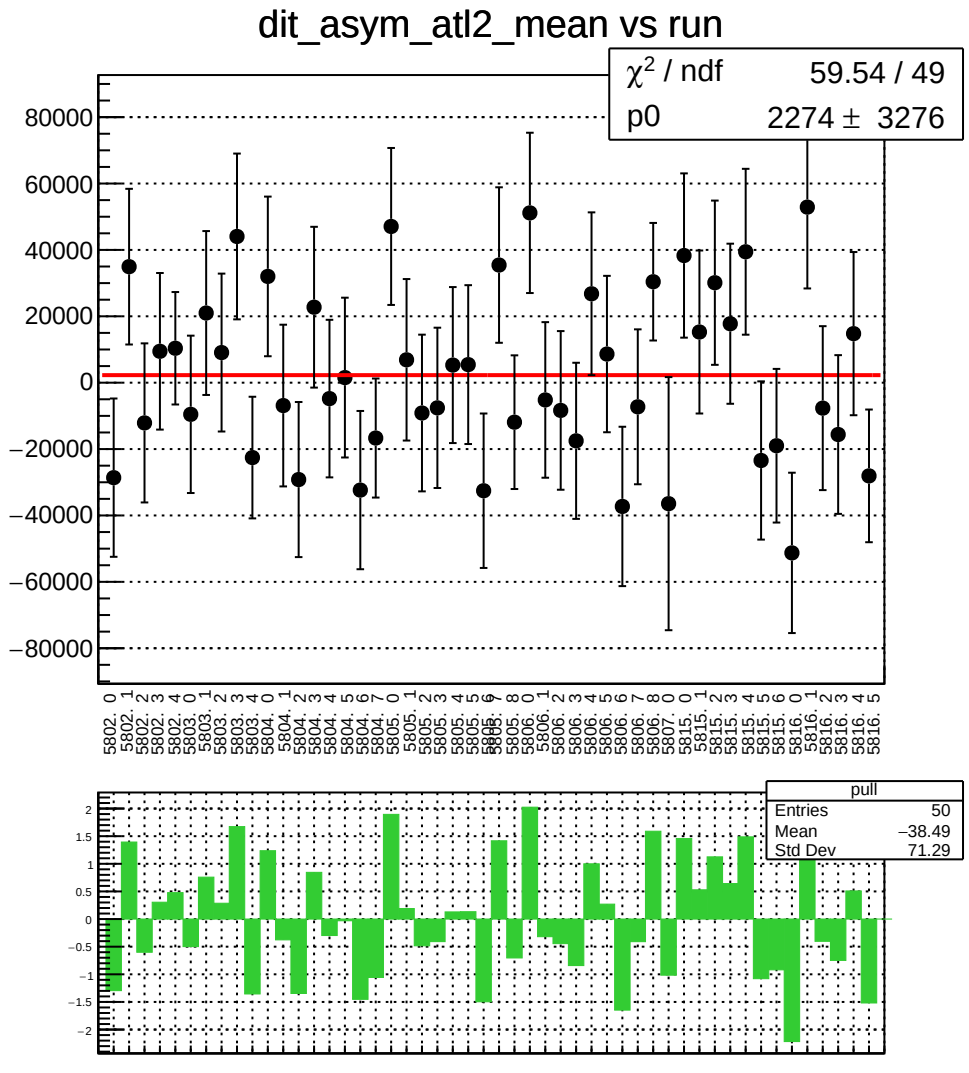

pull1D
Entries 50
Mean 0.001544
Std Dev 1.064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

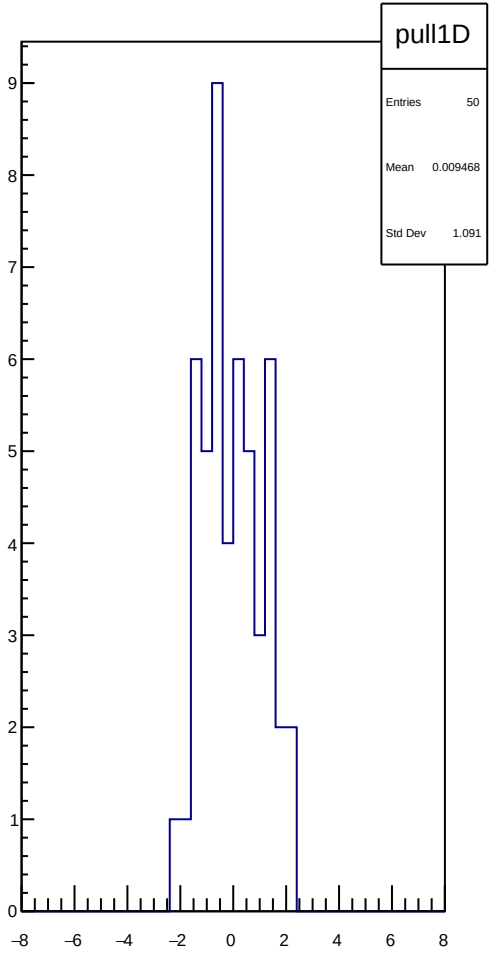

dit_asym_atl1_rms vs run
χ² / ndf 53.33 / 49
p0 3447 ± 3.504
3560
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

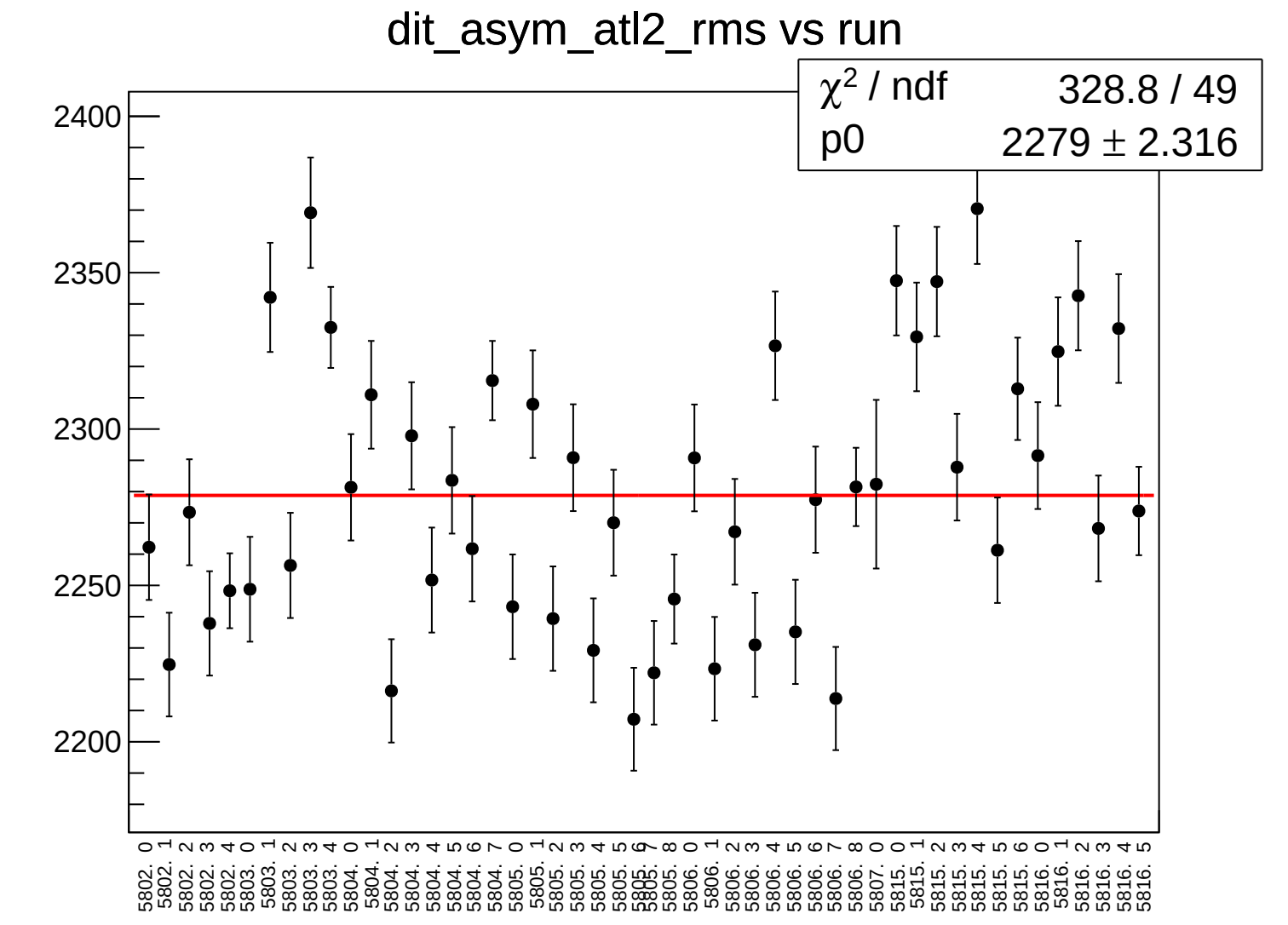

asym_atl1_mean vs run
×10^3
χ² / ndf 69.45 / 49
p0 −1687 ± 5701
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −98.09
Std Dev 115.7
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.005221
Std Dev 1.179
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_rms vs run
χ² / ndf 508.4 / 49
p0 3965 ± 4.031
4400
4300
4200
4100
4000
3900
3800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_asym_atl2_mean vs run
χ² / ndf 59.54 / 49
p0 2274 ± 3276
pull
Entries 50
Mean −38.49
Std Dev 71.29


pull1D
Entries 50
Mean 0.009468
Std Dev 1.091


dit_asym_atl2_rms vs run
χ² / ndf 328.8 / 49
p0 2279 ± 2.316
2400
2350
2300
2250
2200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
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5815. 5
5815. 6
5816. 0
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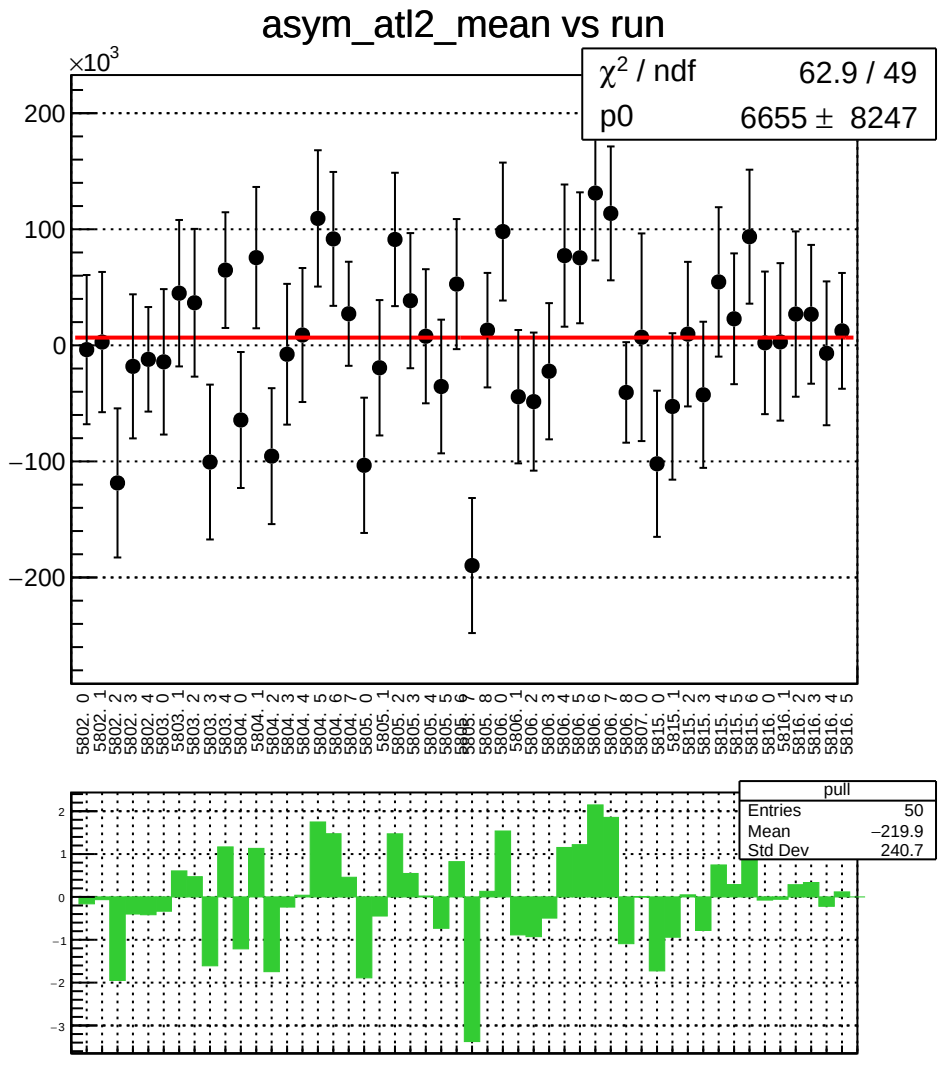
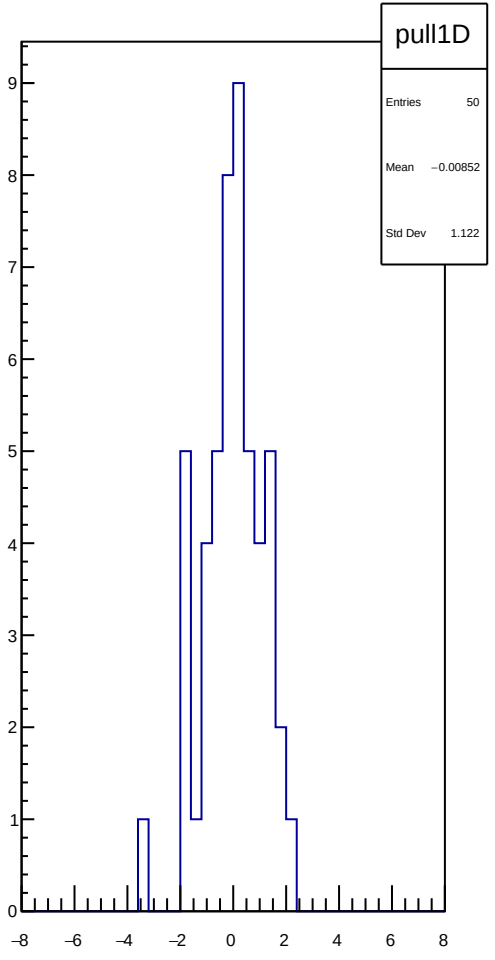
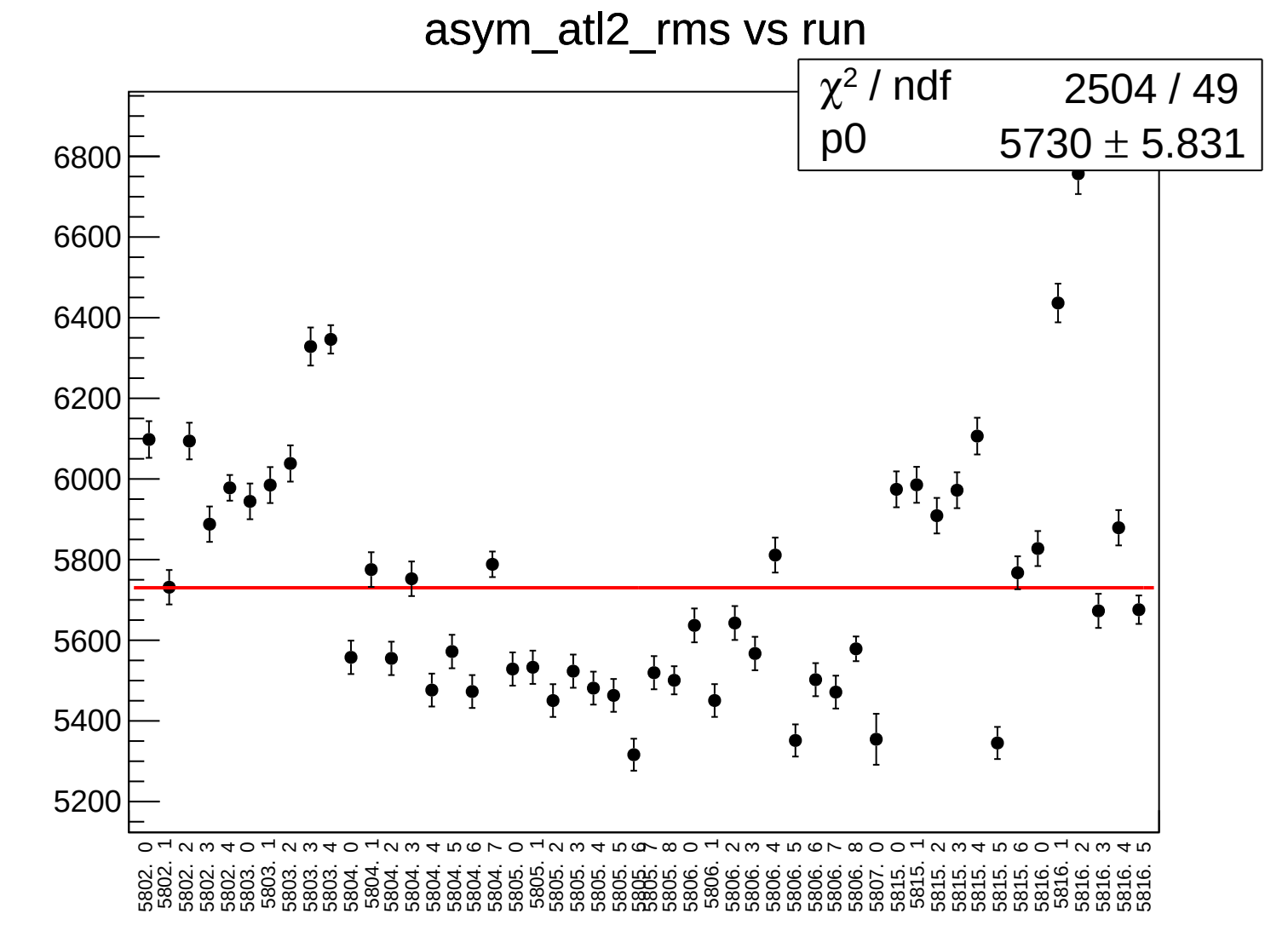
5816. 2
5816. 3
5816. 4
5816. 5


asym_atl2_mean vs run
×10^3
χ² / ndf 62.9 / 49
p0 6655 ± 8247
200
100
0
−100
−200
pull
Entries 50
Mean −219.9
Std Dev 240.7


pull1D
Entries 50
Mean −0.00852
Std Dev 1.122


asym_atl2_rms vs run
χ² / ndf 2504 / 49
p0 5730 ± 5.831
6800
6600
6400
6200
6000
5800
5600
5400
5200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
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5804. 5
5804. 6
5804. 7
5805. 0
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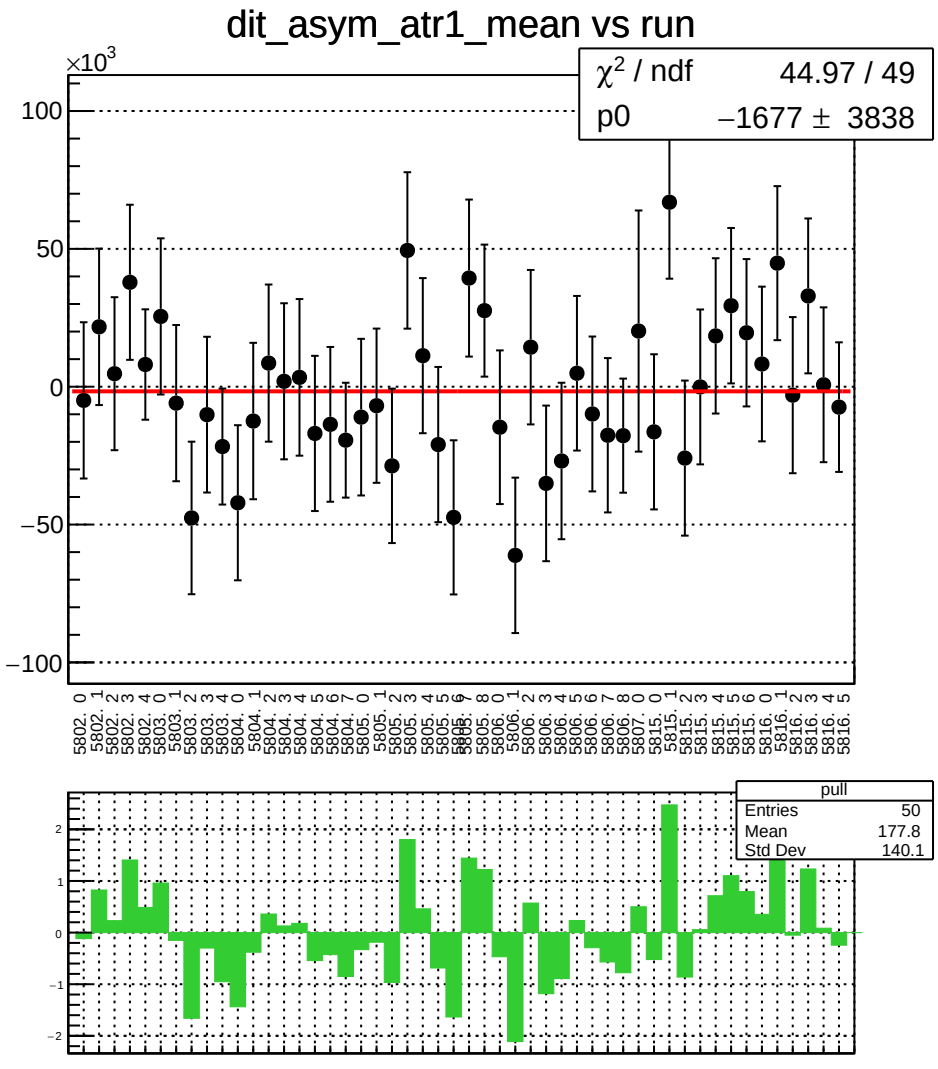
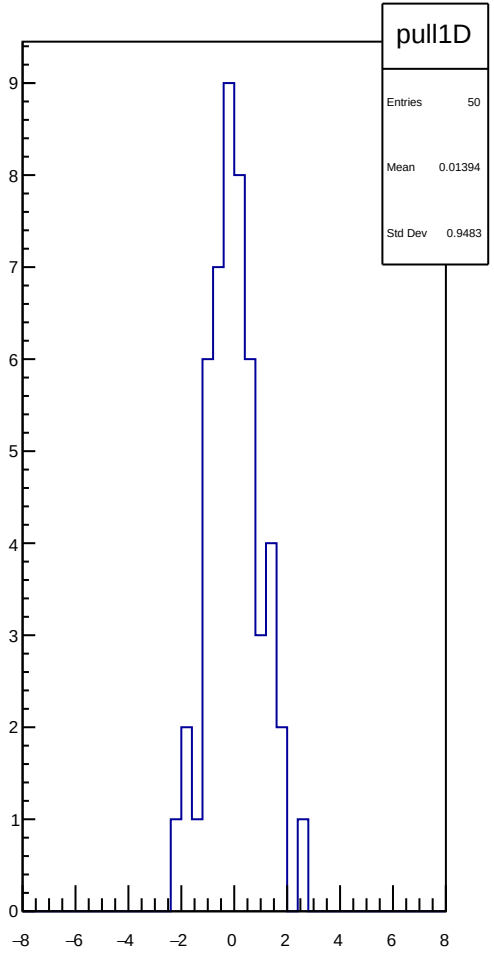
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_asym_atr1_mean vs run
×10^3
χ² / ndf 44.97 / 49
p0 −1677 ± 3838
100
50
0
−50
−100
pull
Entries 50
Mean 177.8
Std Dev 140.1
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01394
Std Dev 0.9483
9
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5
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3
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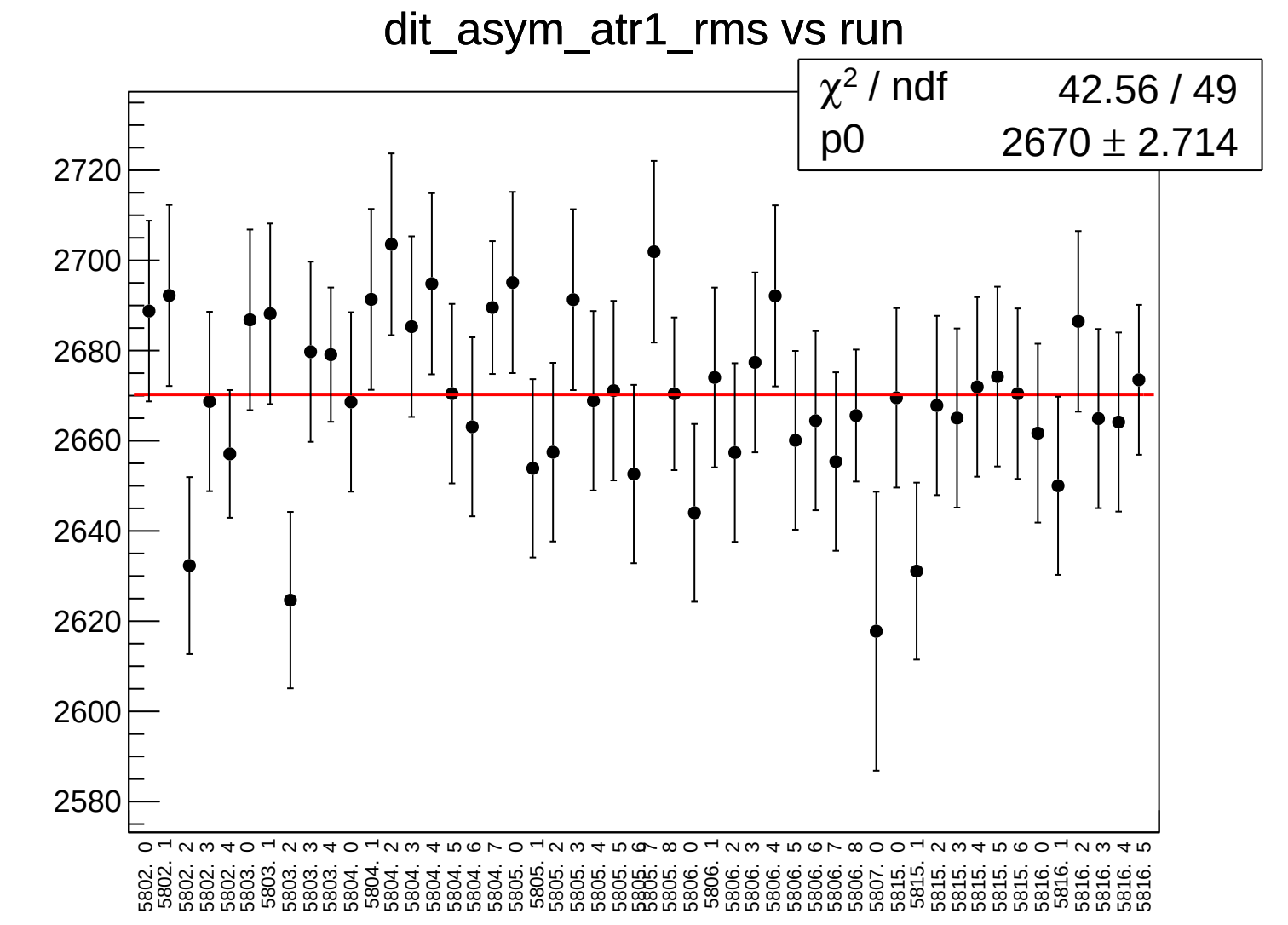
−4
−2
0
2
4
6
8


dit_asym_atr1_rms vs run
χ² / ndf 42.56 / 49
p0 2670 ± 2.714
2720
2700
2680
2660
2640
2620
2600
2580
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
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5803. 2
5803. 3
5803. 4
5804. 0
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5804. 2
5804. 3
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5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
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5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
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5815. 2
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5815. 5
5815. 6
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5816. 2
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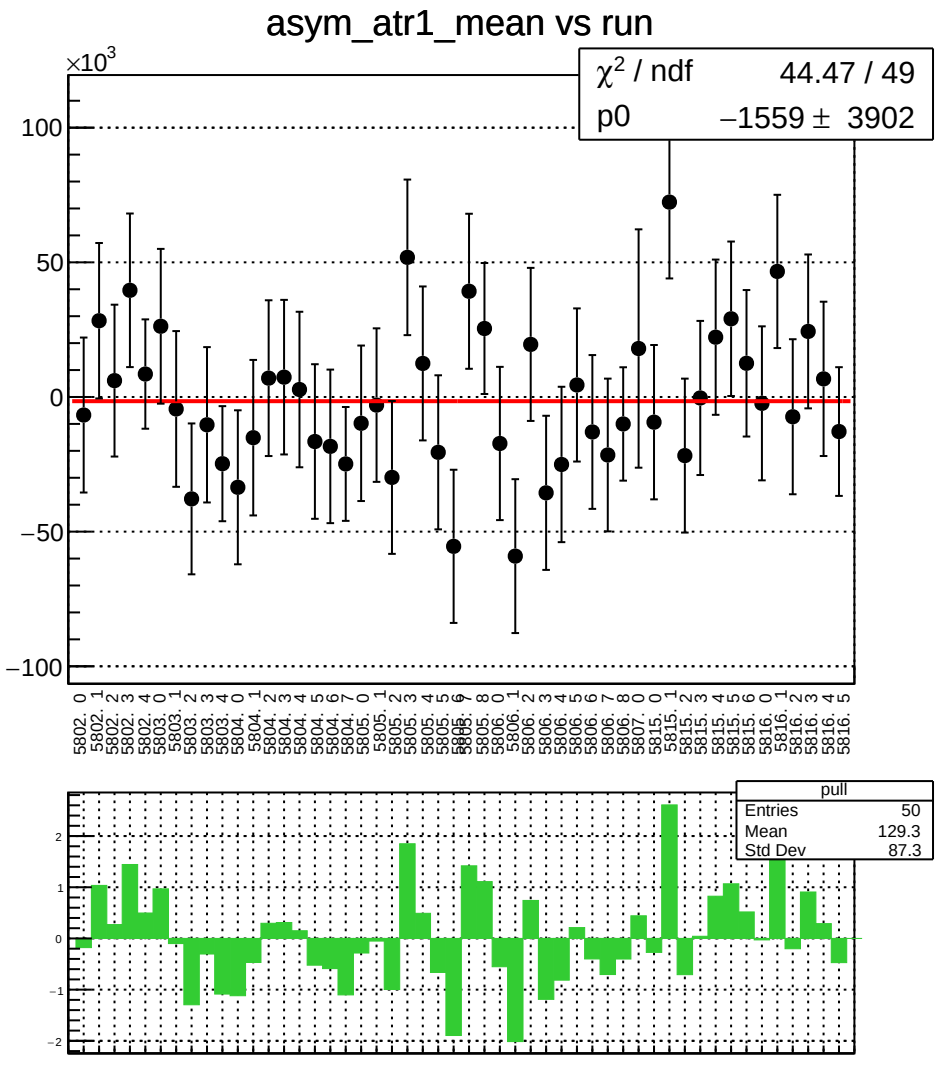
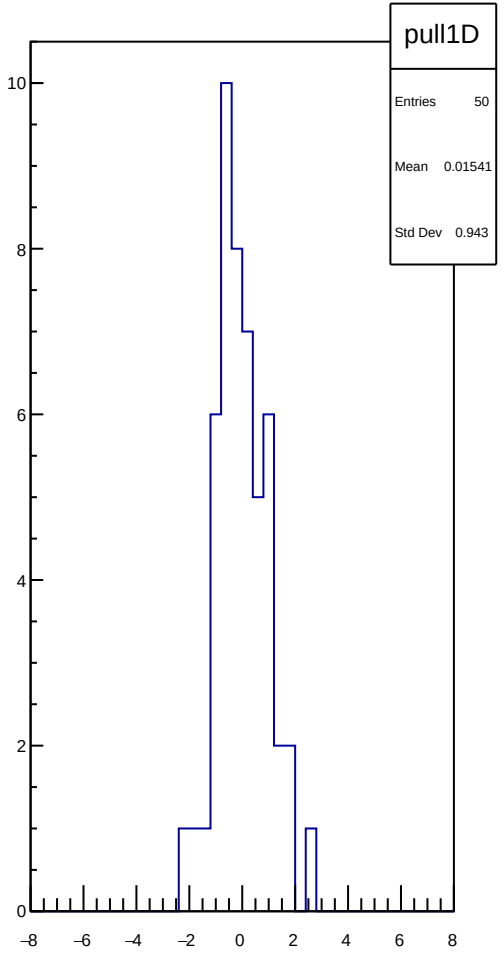
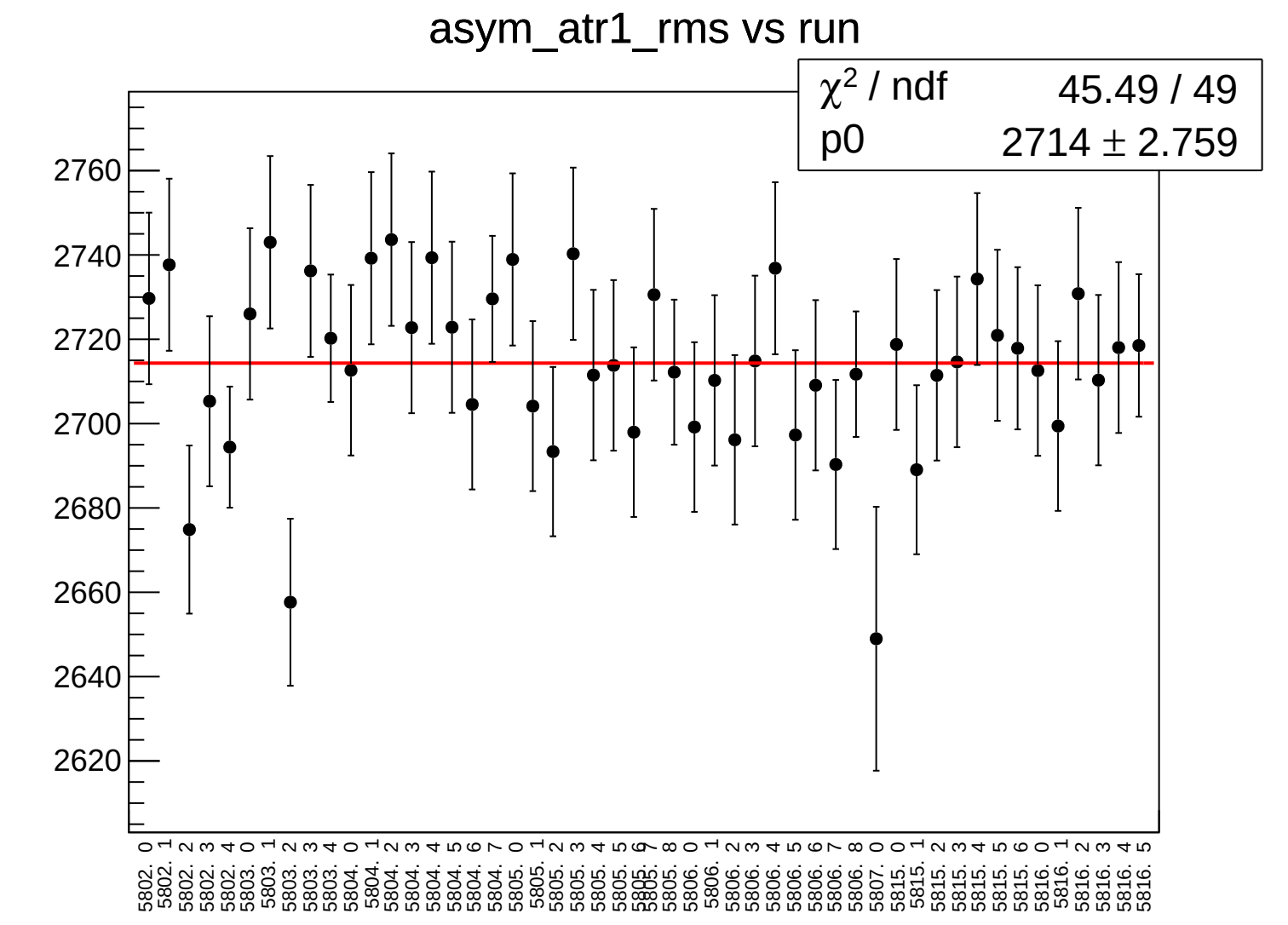
5816. 5


asym_atr1_mean vs run
×10^3
χ² / ndf 44.47 / 49
p0 −1559 ± 3902
100
50
0
−50
−100
pull
Entries 50
Mean 129.3
Std Dev 87.3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01541
Std Dev 0.943
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_rms vs run
χ² / ndf 45.49 / 49
p0 2714 ± 2.759
2760
2740
2720
2700
2680
2660
2640
2620
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
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5804. 0
5804. 1
5804. 2
5804. 3
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5804. 5
5804. 6
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5805. 0
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5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
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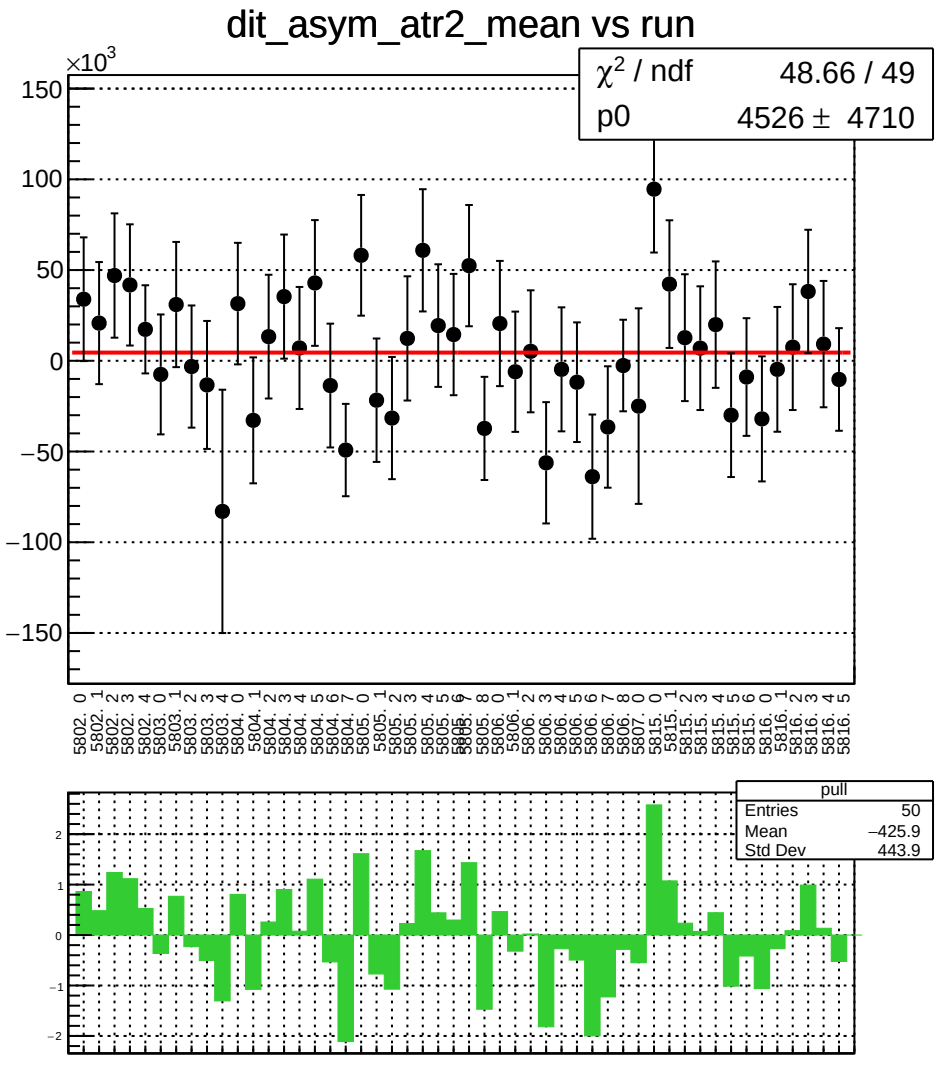
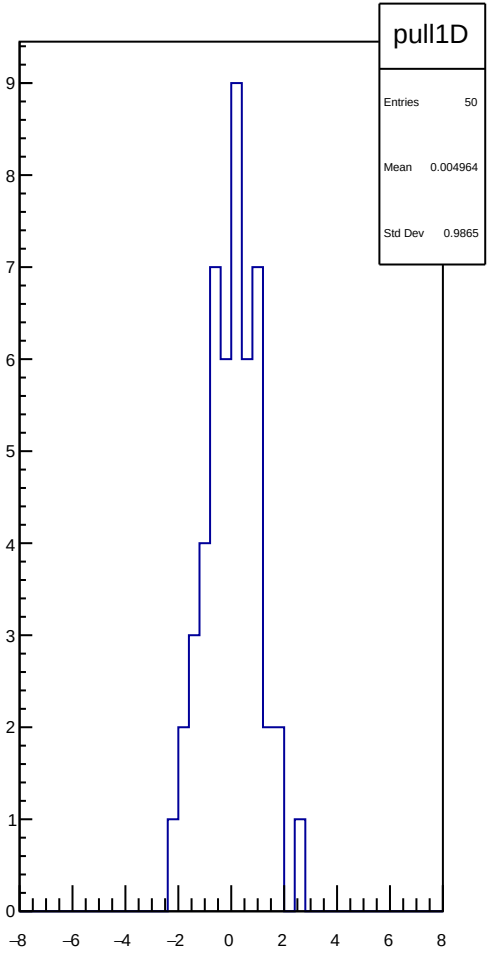
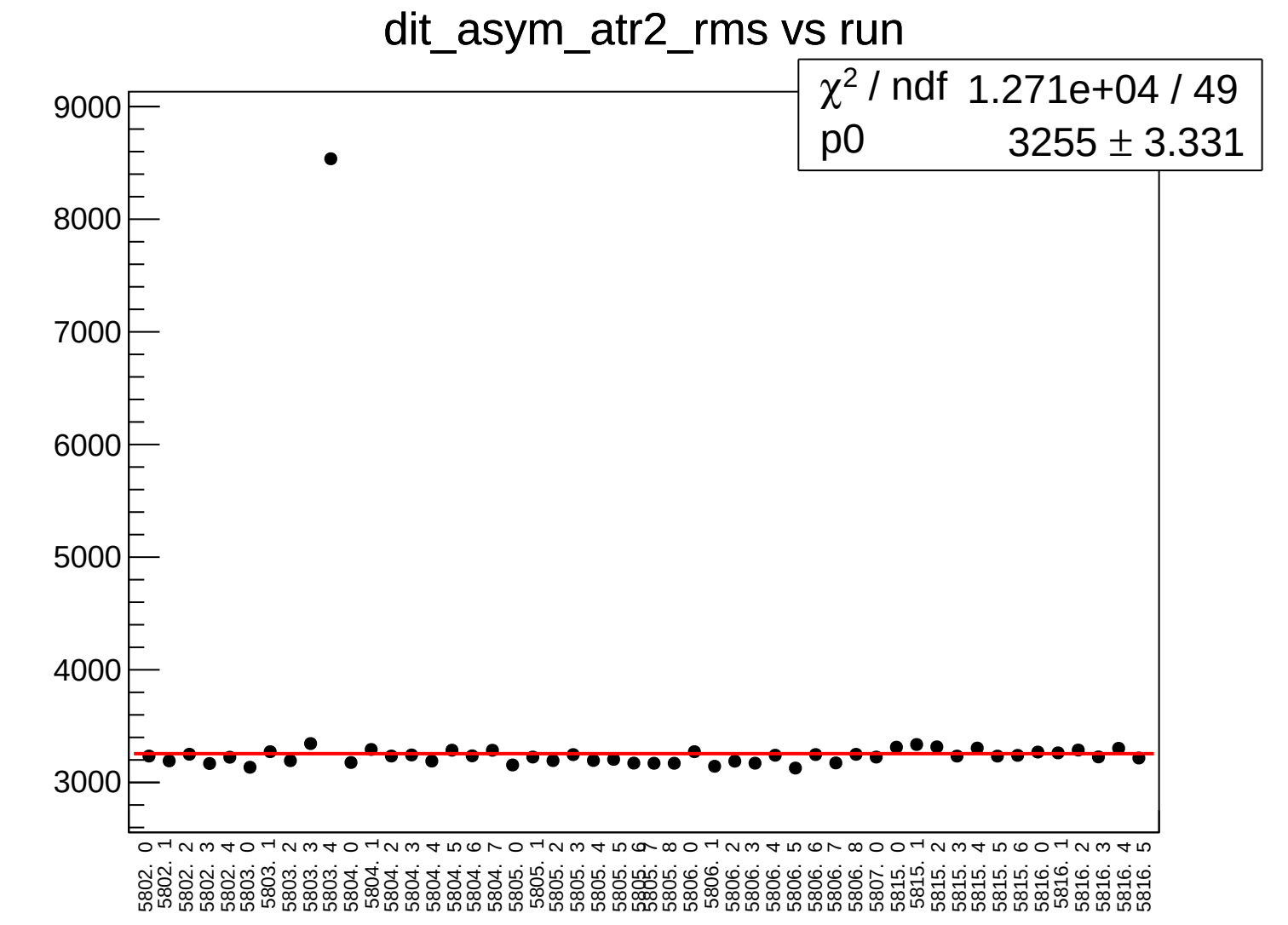
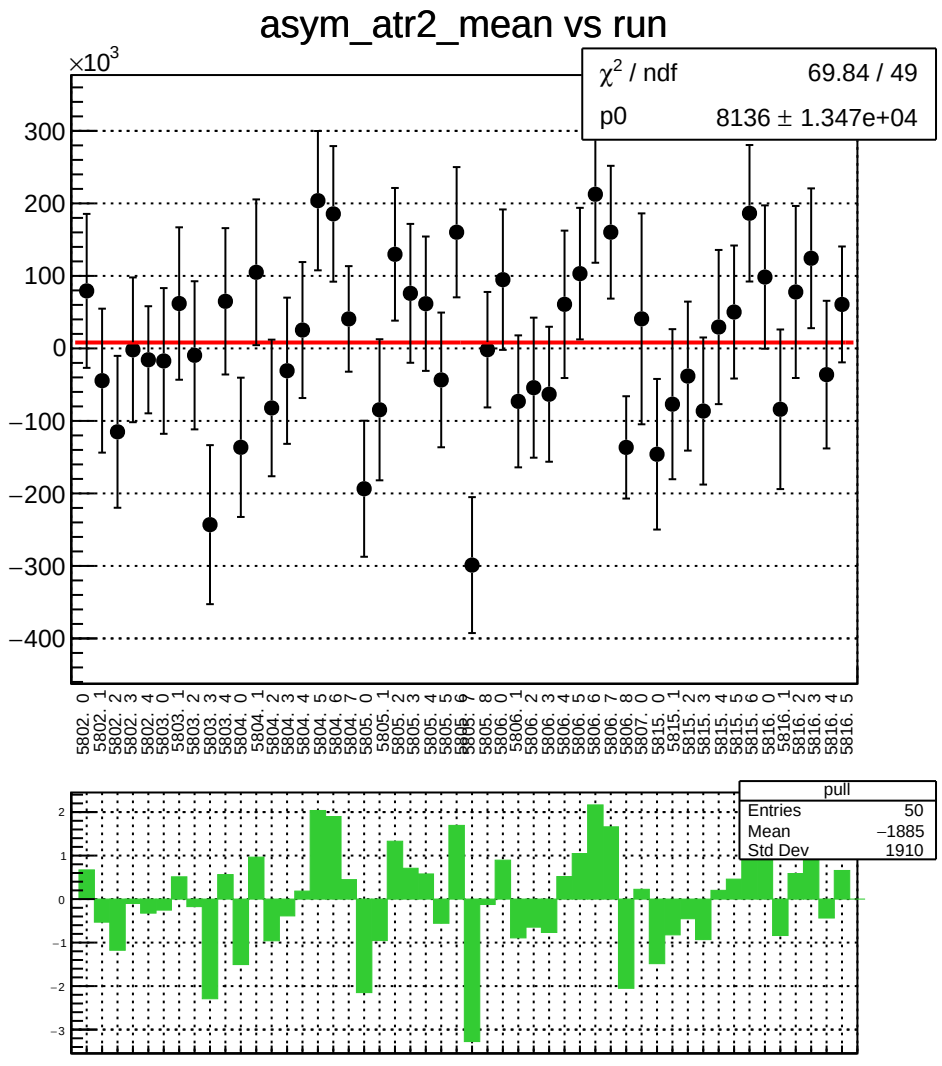
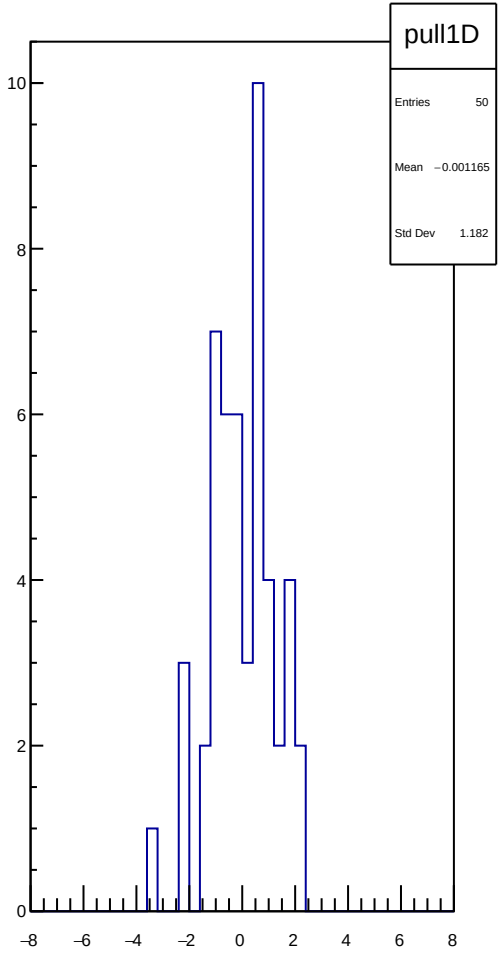
5816. 4
5816. 5

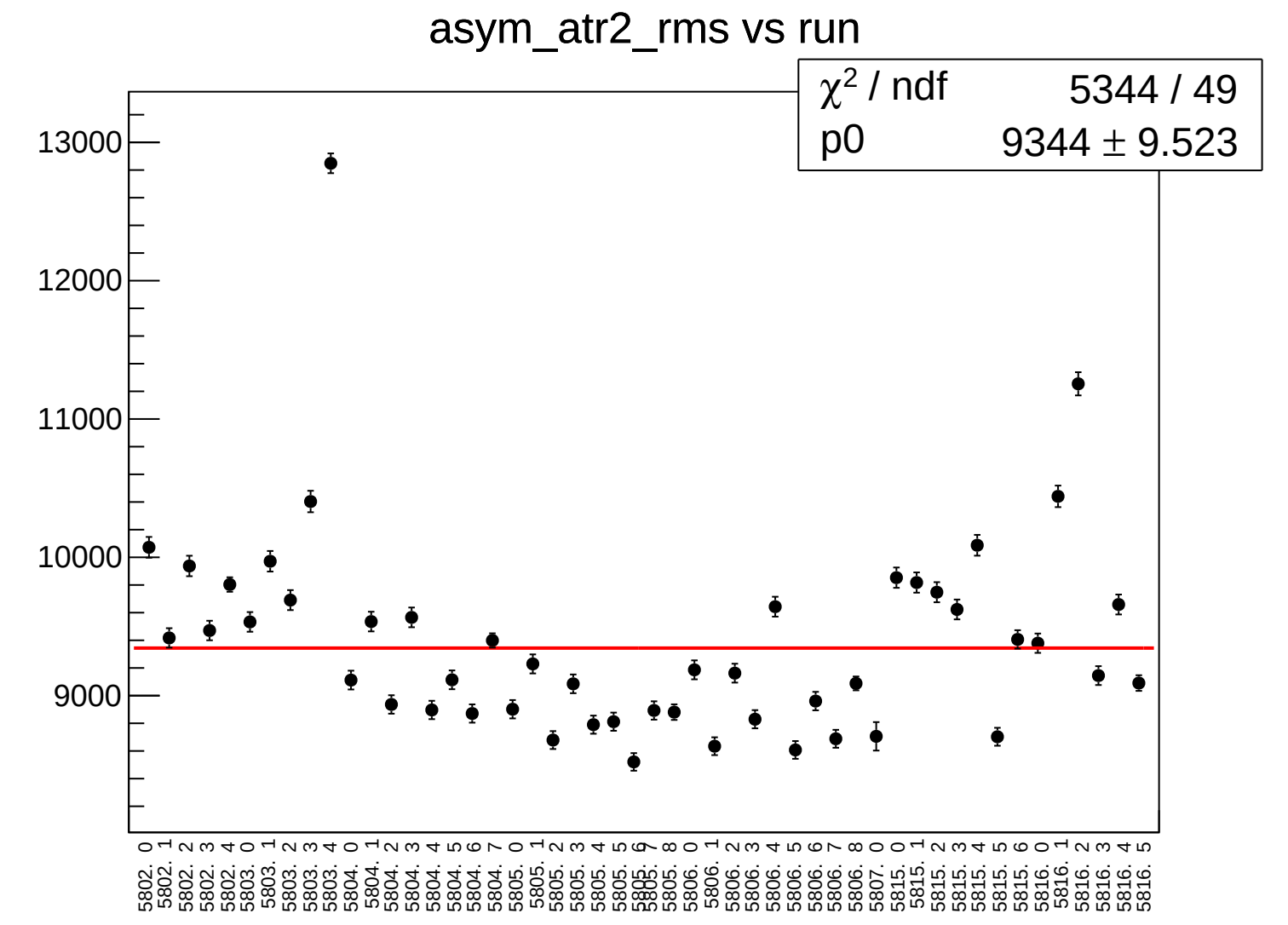

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 48.66 / 49
p0 4526 ± 4710
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −425.9
Std Dev 443.9
2
1
0
−1
−2

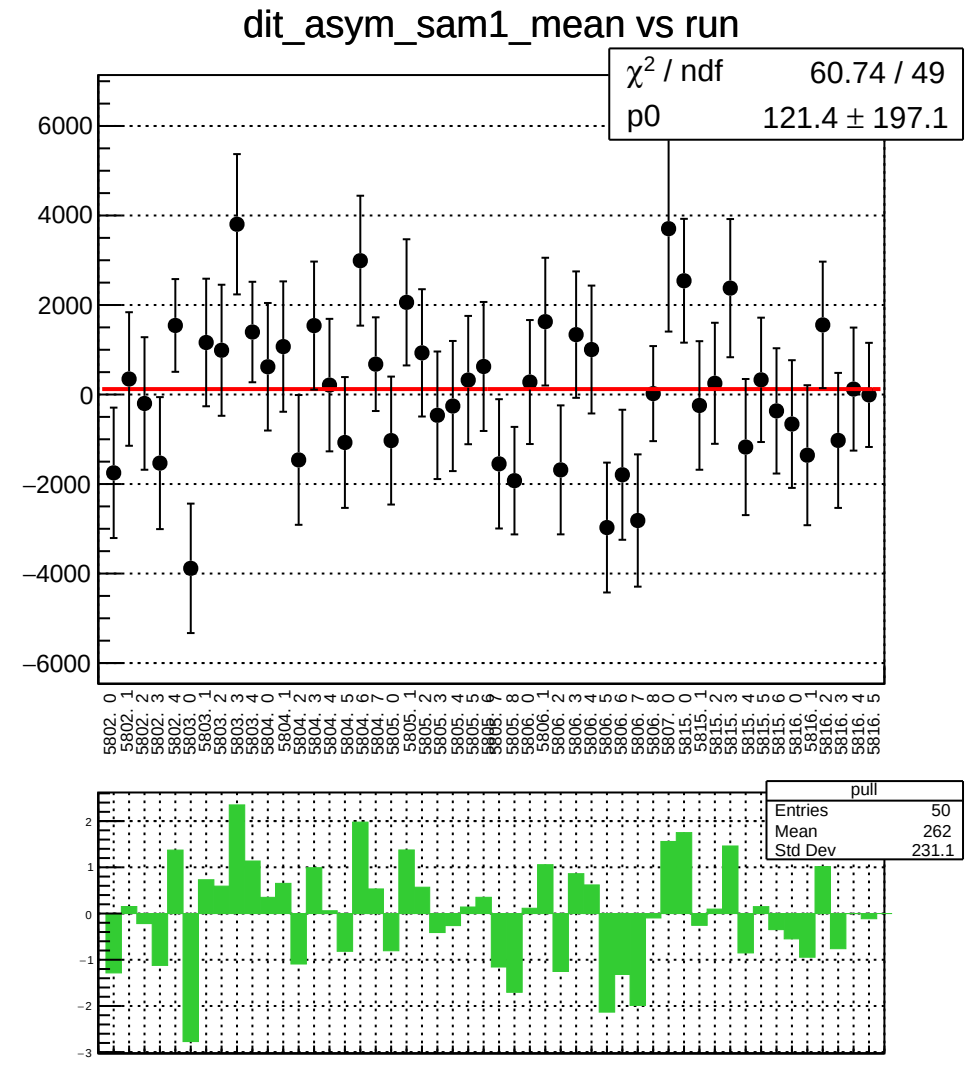

pull1D
Entries 50
Mean 0.004964
Std Dev 0.9865
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

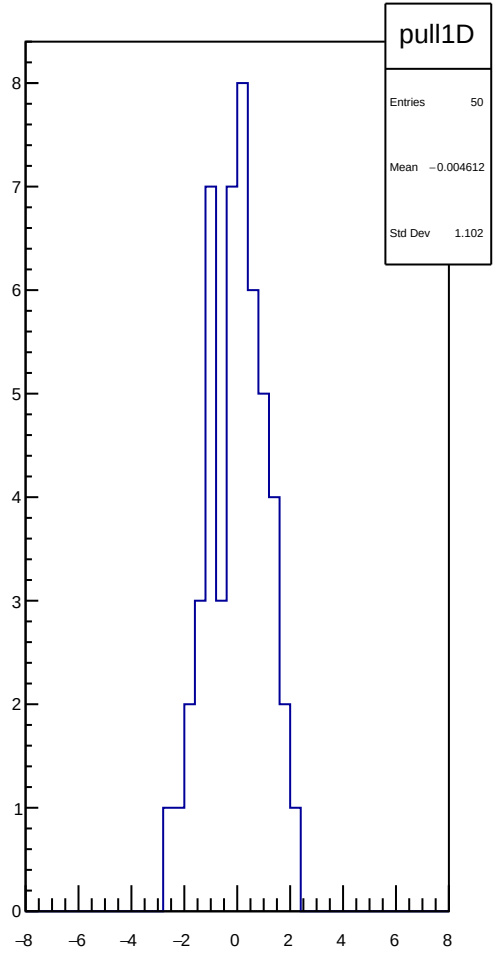

dit_asym_atr2_rms vs run
χ² / ndf 1.271e+04 / 49
p0 3255 ± 3.331
9000
8000
7000
6000
5000
4000
3000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

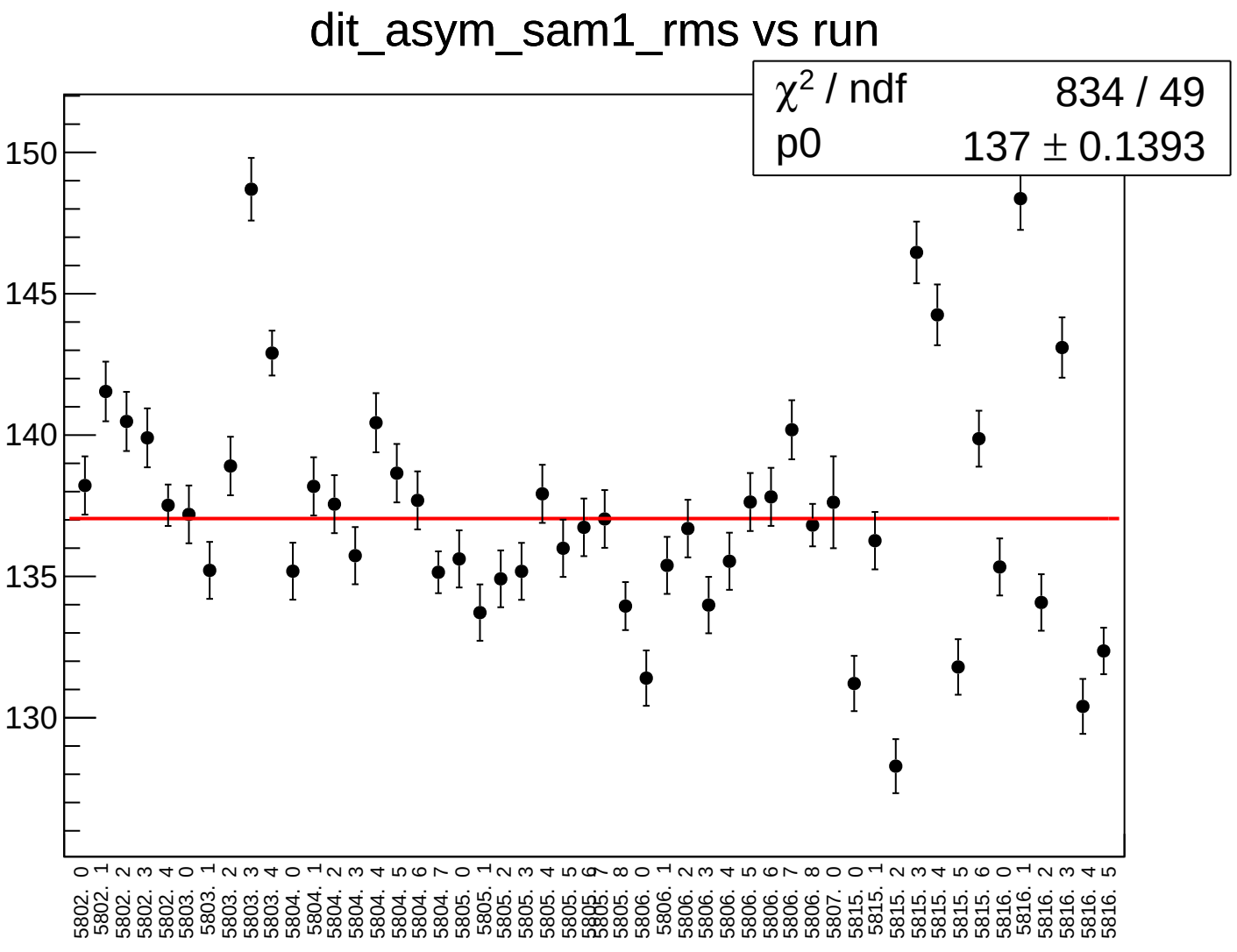

asym_atr2_mean vs run
×10^3
χ² / ndf 69.84 / 49
p0 8136 ± 1.347e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 50
Mean −1885
Std Dev 1910
2
1
0
−1
−2
−3

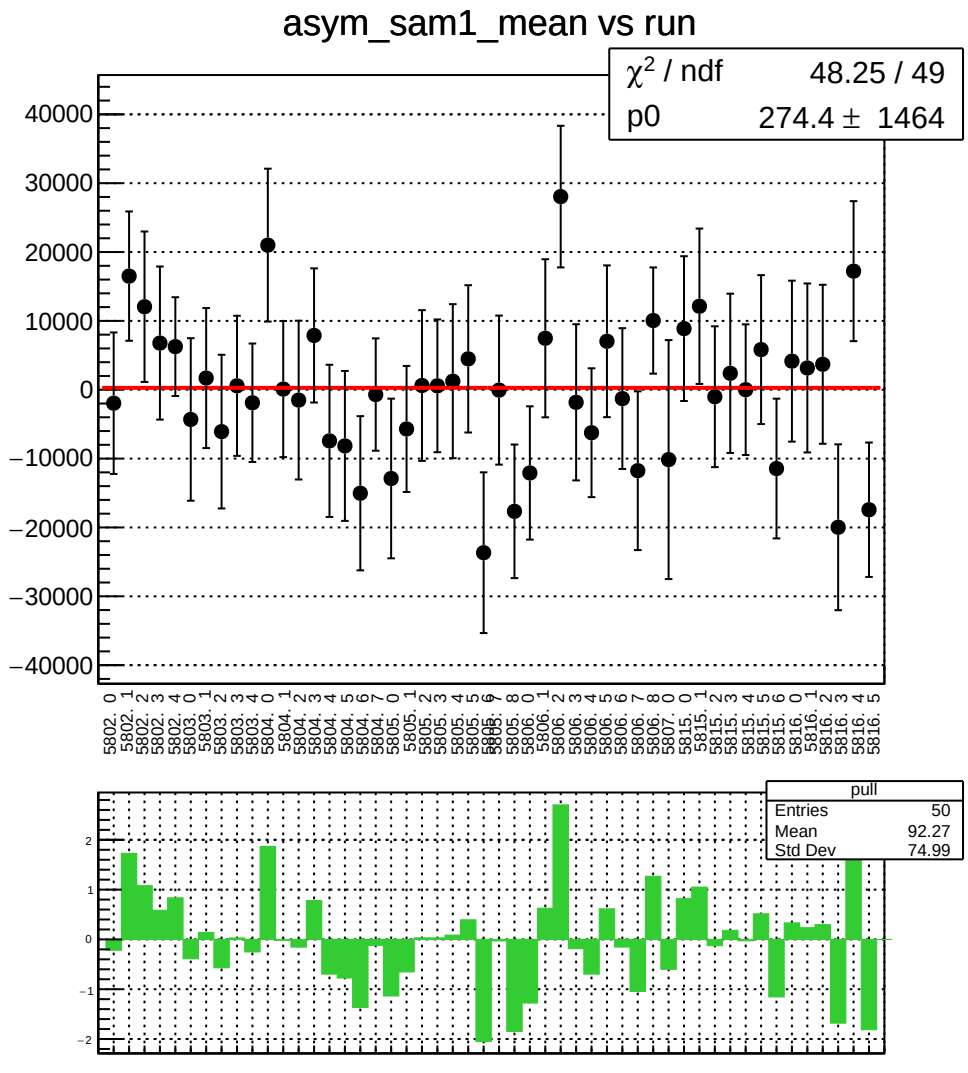

pull1D
Entries 50
Mean −0.001165
Std Dev 1.182
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

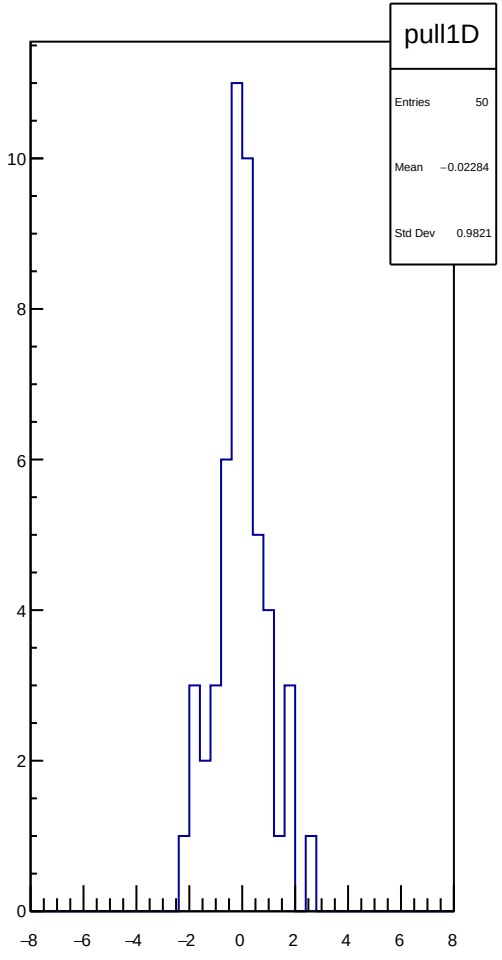

asym_atr2_rms vs run
χ² / ndf 5344 / 49
p0 9344 ± 9.523
13000
12000
11000
10000
9000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

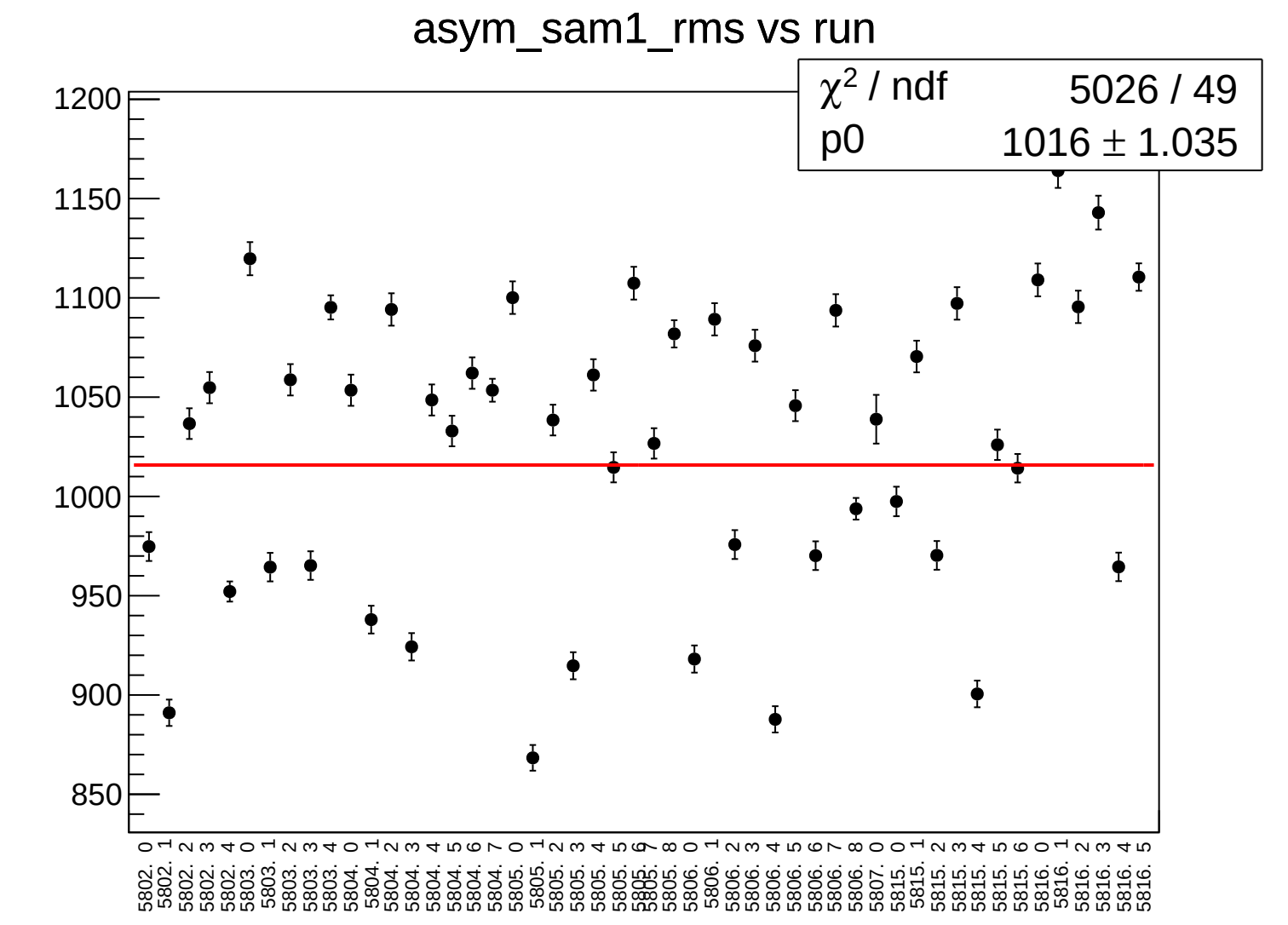

dit_asym_sam1_mean vs run
χ^2 / ndf 60.74 / 49
p0 121.4 ± 197.1
6000
4000
2000
0
−2000
−4000
−6000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 262
Std Dev 231.1
2
1
0
−1
−2
−3

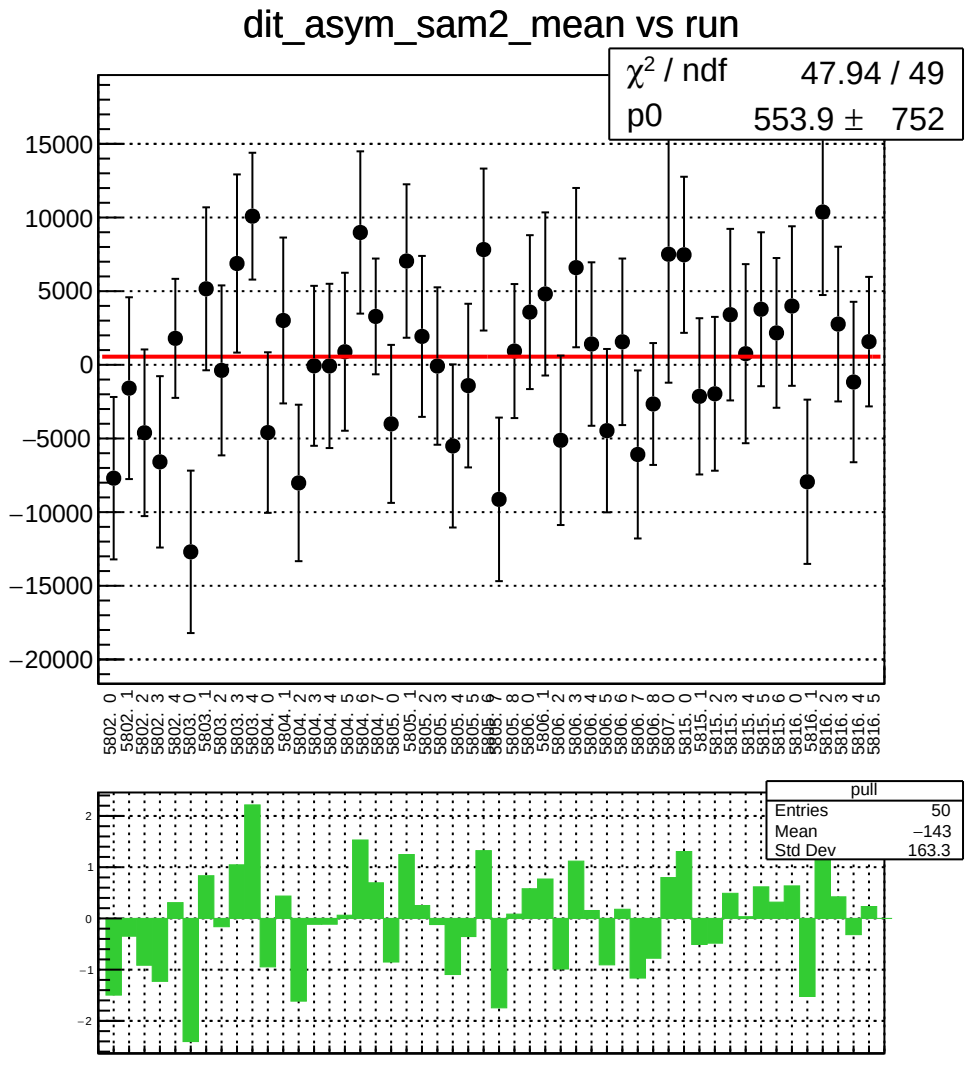

pull1D
Entries 50
Mean −0.004612
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

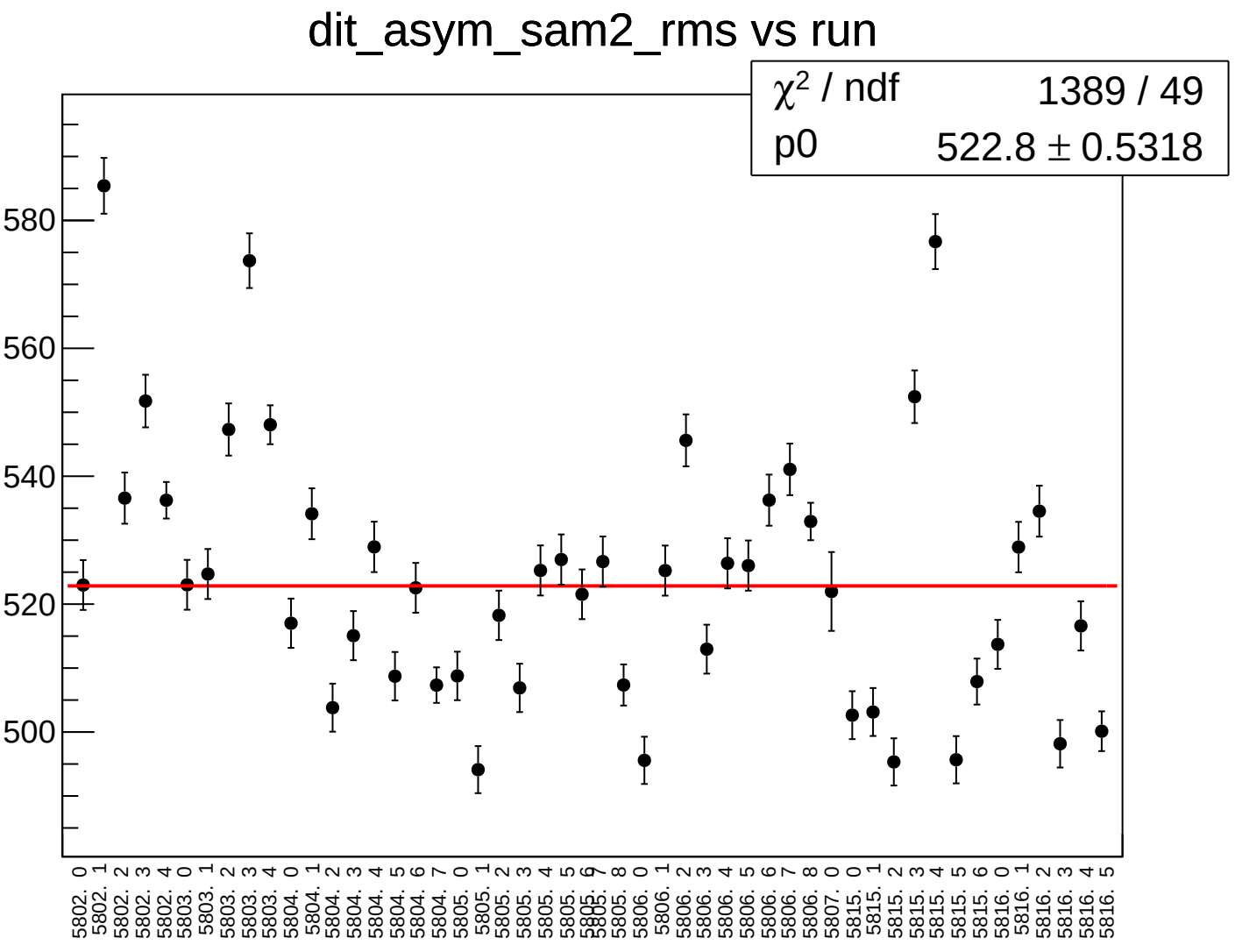

dit_asym_sam1_rms vs run
χ² / ndf 834 / 49
p0 137 ± 0.1393
150
145
140
135
130
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

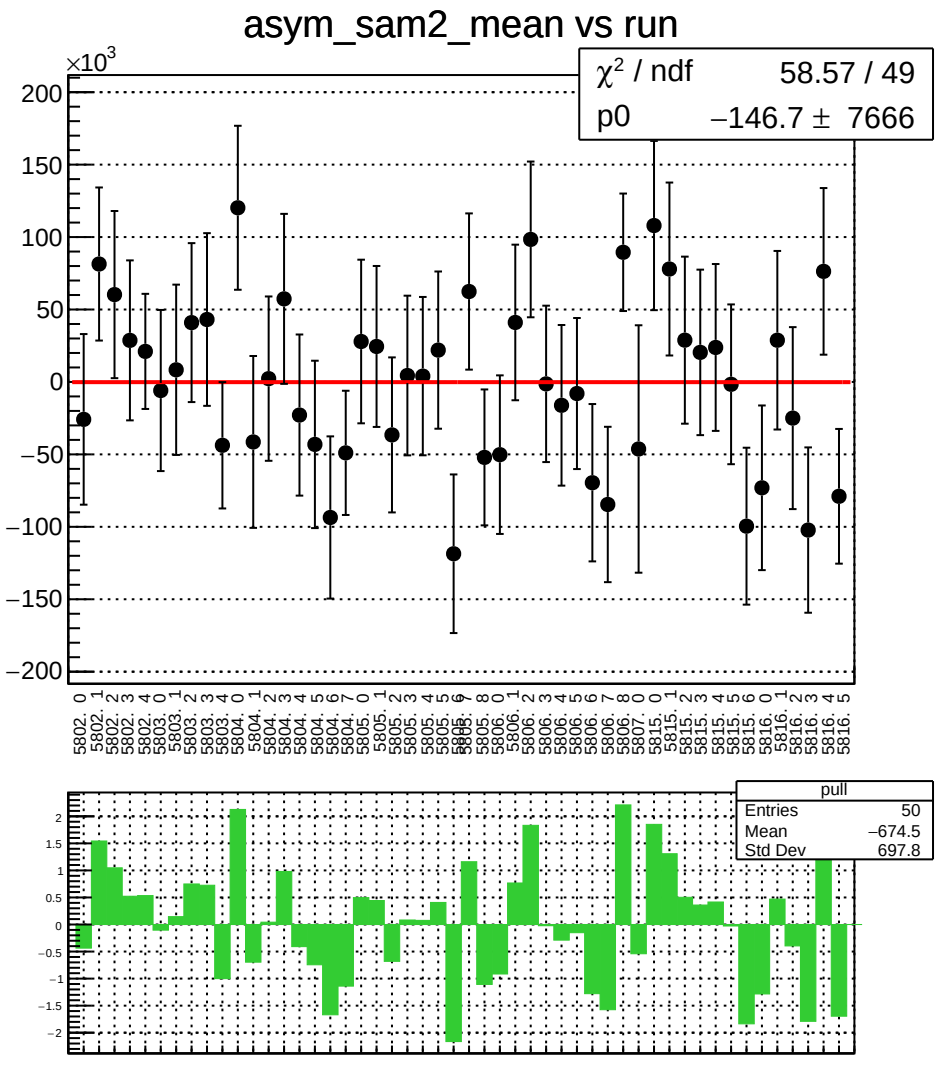

asym_sam1_mean vs run
χ² / ndf 48.25 / 49
p0 274.4 ± 1464
pull
Entries 50
Mean 92.27
Std Dev 74.99

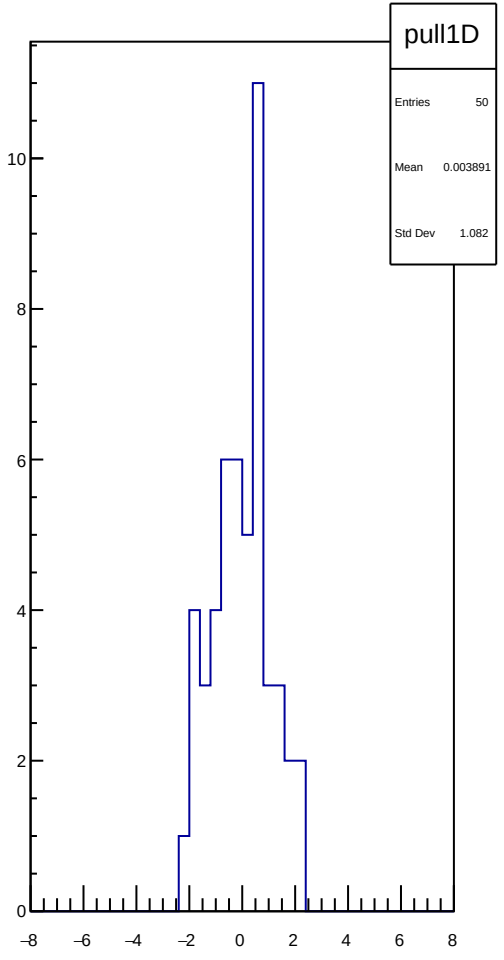

pull1D
Entries 50
Mean −0.02284
Std Dev 0.9821

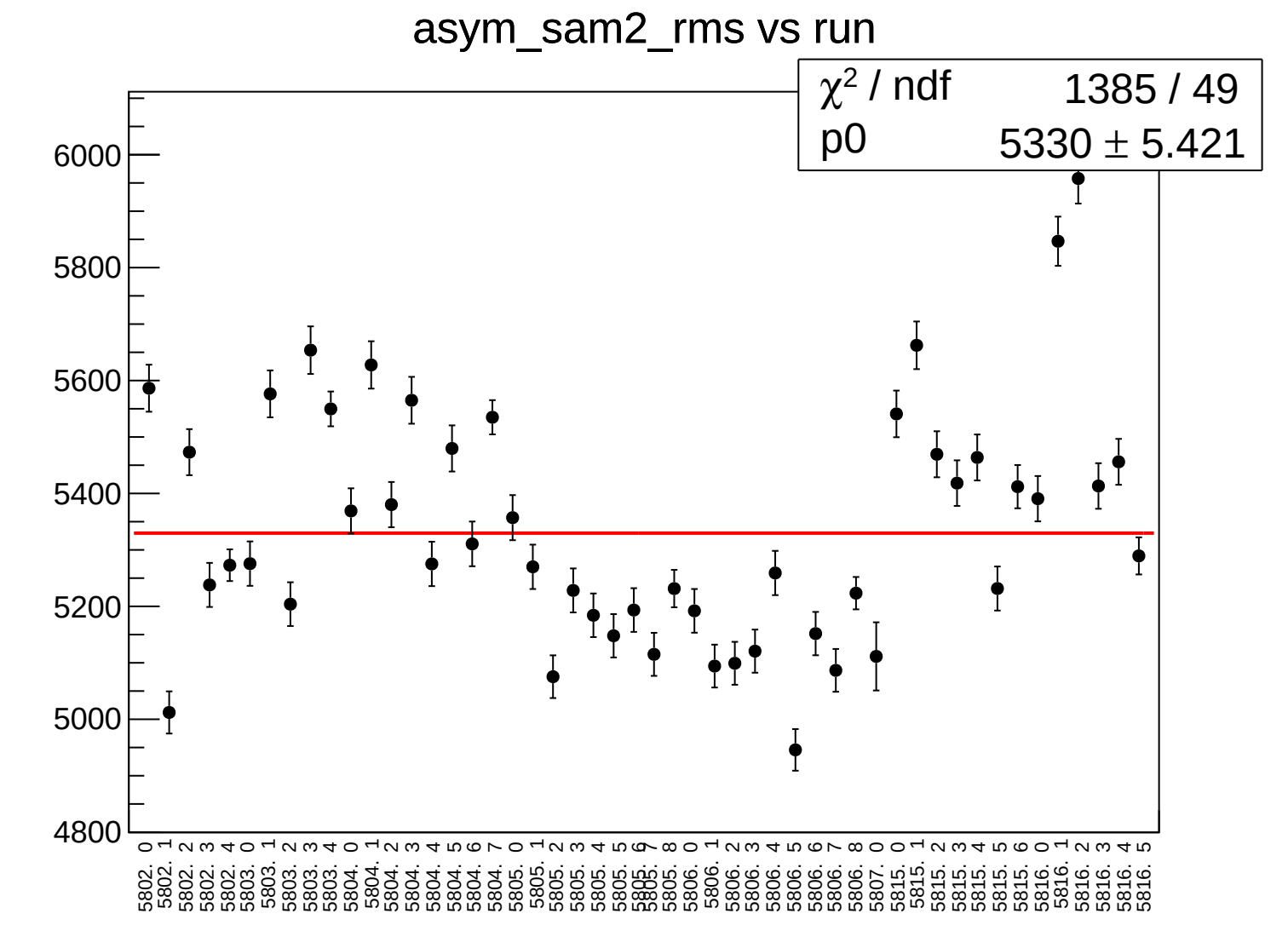

asym_sam1_rms vs run
χ² / ndf 5026 / 49
p0 1016 ± 1.035
1200
1150
1100
1050
1000
950
900
850
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

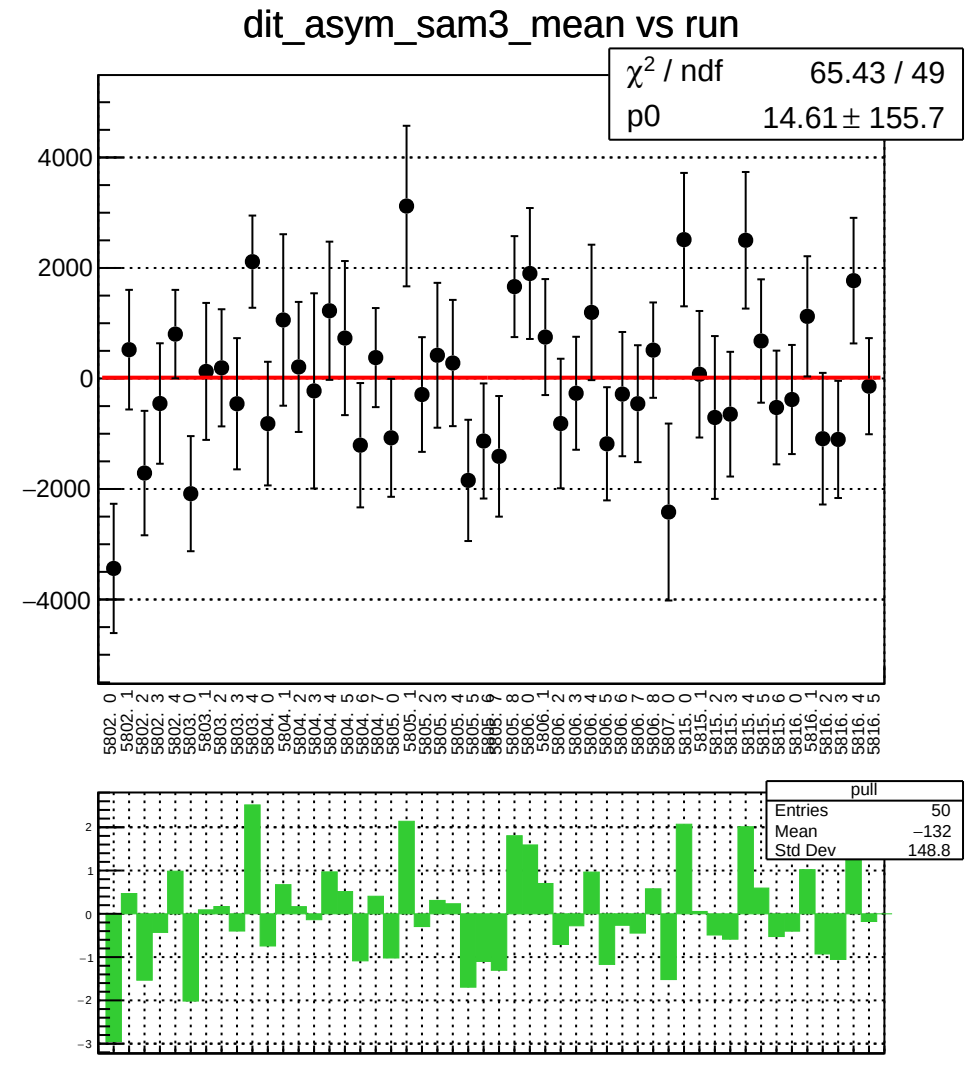

dit_asym_sam2_mean vs run
χ² / ndf 47.94 / 49
p0 553.9 ± 752
15000
10000
5000
0
−5000
−10000
−15000
−20000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean −143
Std Dev 163.3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.01485
Std Dev 0.9791
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

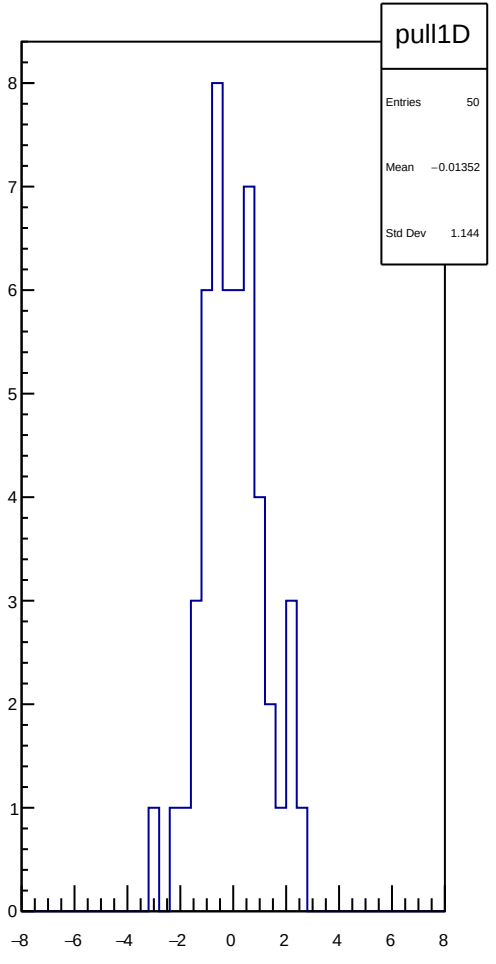

dit_asym_sam2_rms vs run
χ² / ndf 1389 / 49
p0 522.8 ± 0.5318
580
560
540
520
500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

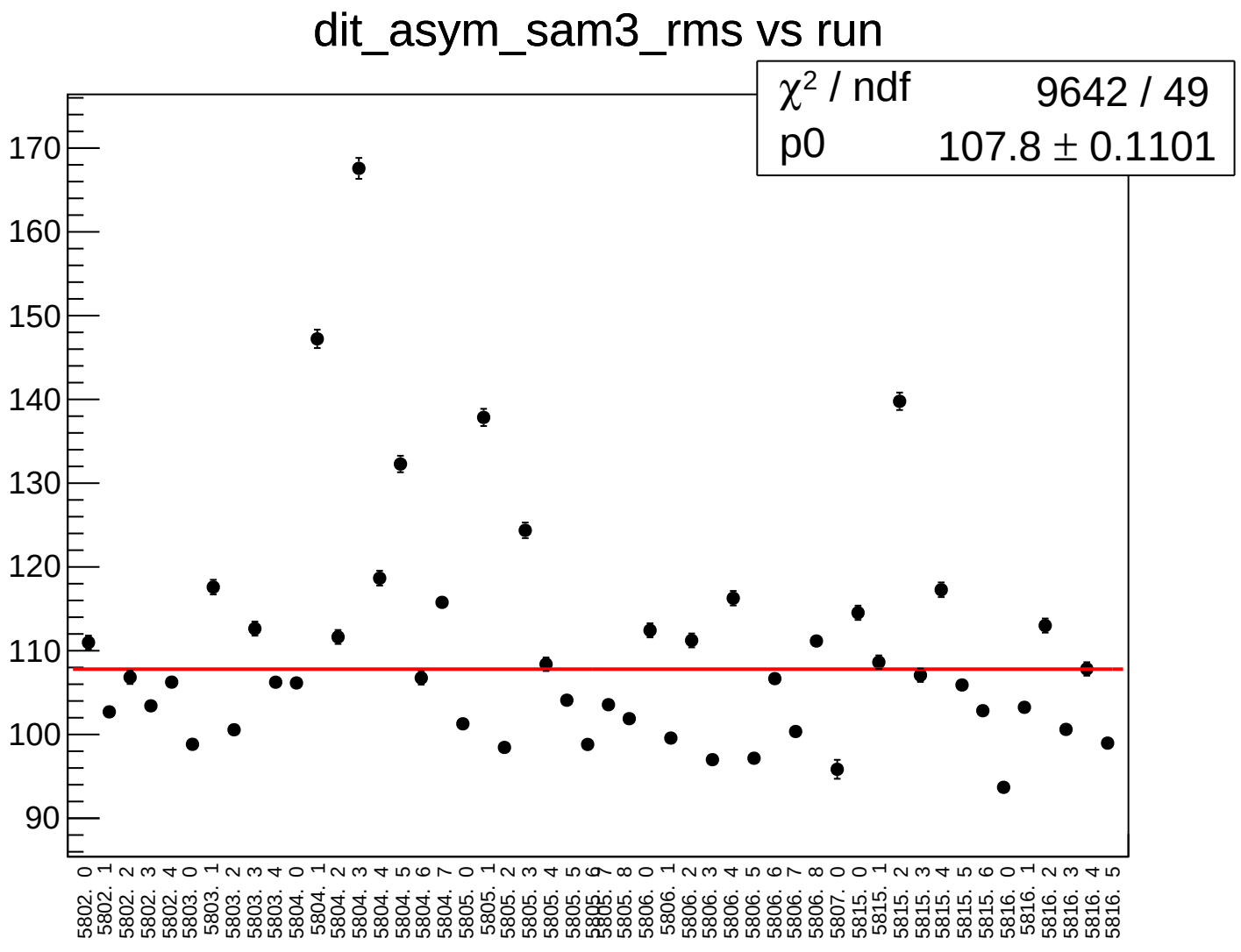

asym_sam2_mean vs run
×10^3
χ² / ndf 58.57 / 49
p0 −146.7 ± 7666
pull
Entries 50
Mean −674.5
Std Dev 697.8

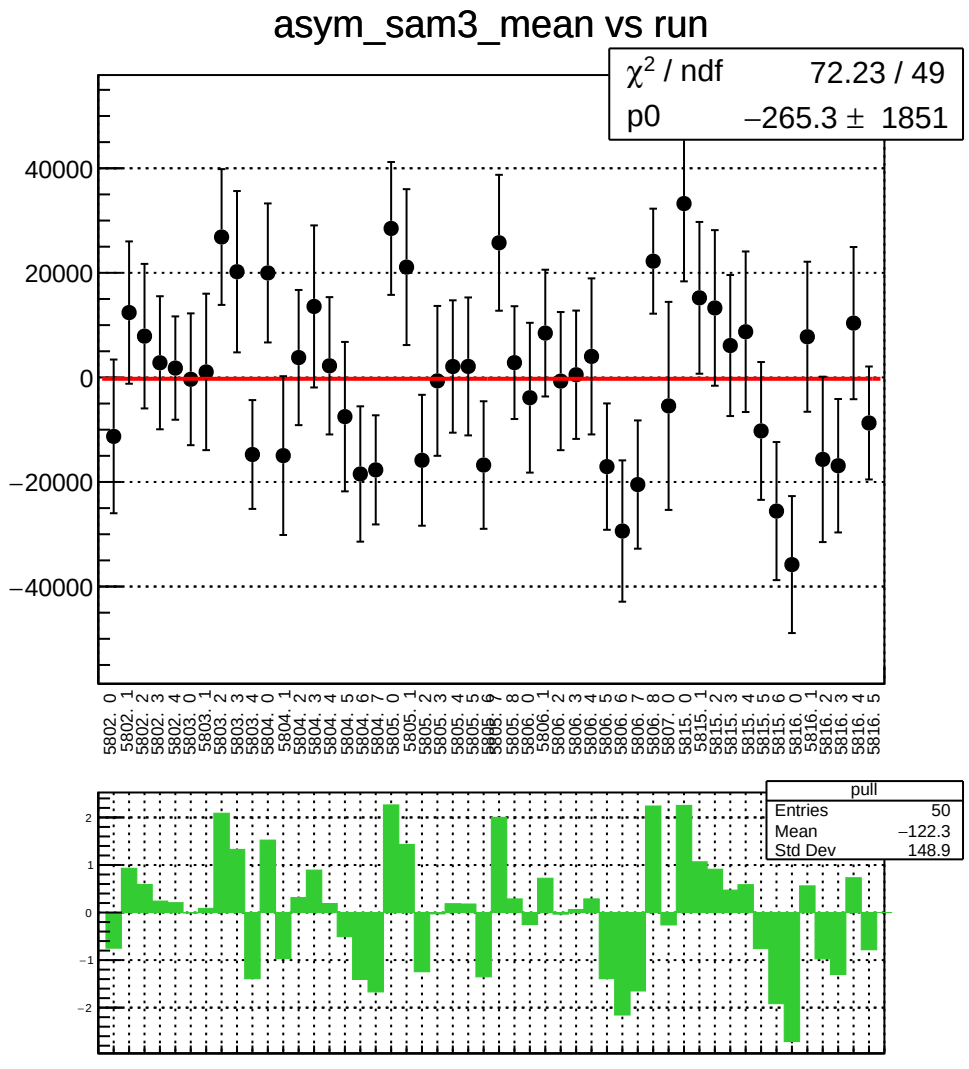

pull1D
Entries 50
Mean 0.003891
Std Dev 1.082

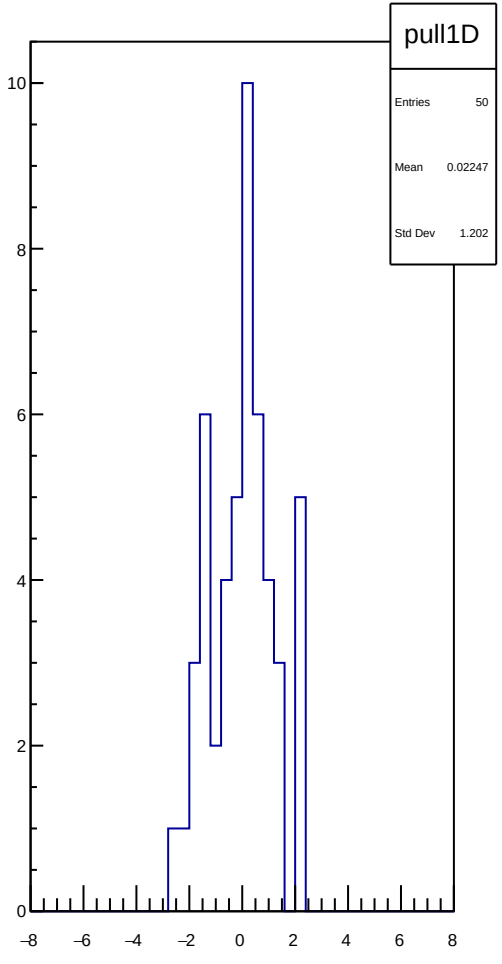

asym_sam2_rms vs run
χ² / ndf 1385 / 49
p0 5330 ± 5.421
6000
5800
5600
5400
5200
5000
4800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

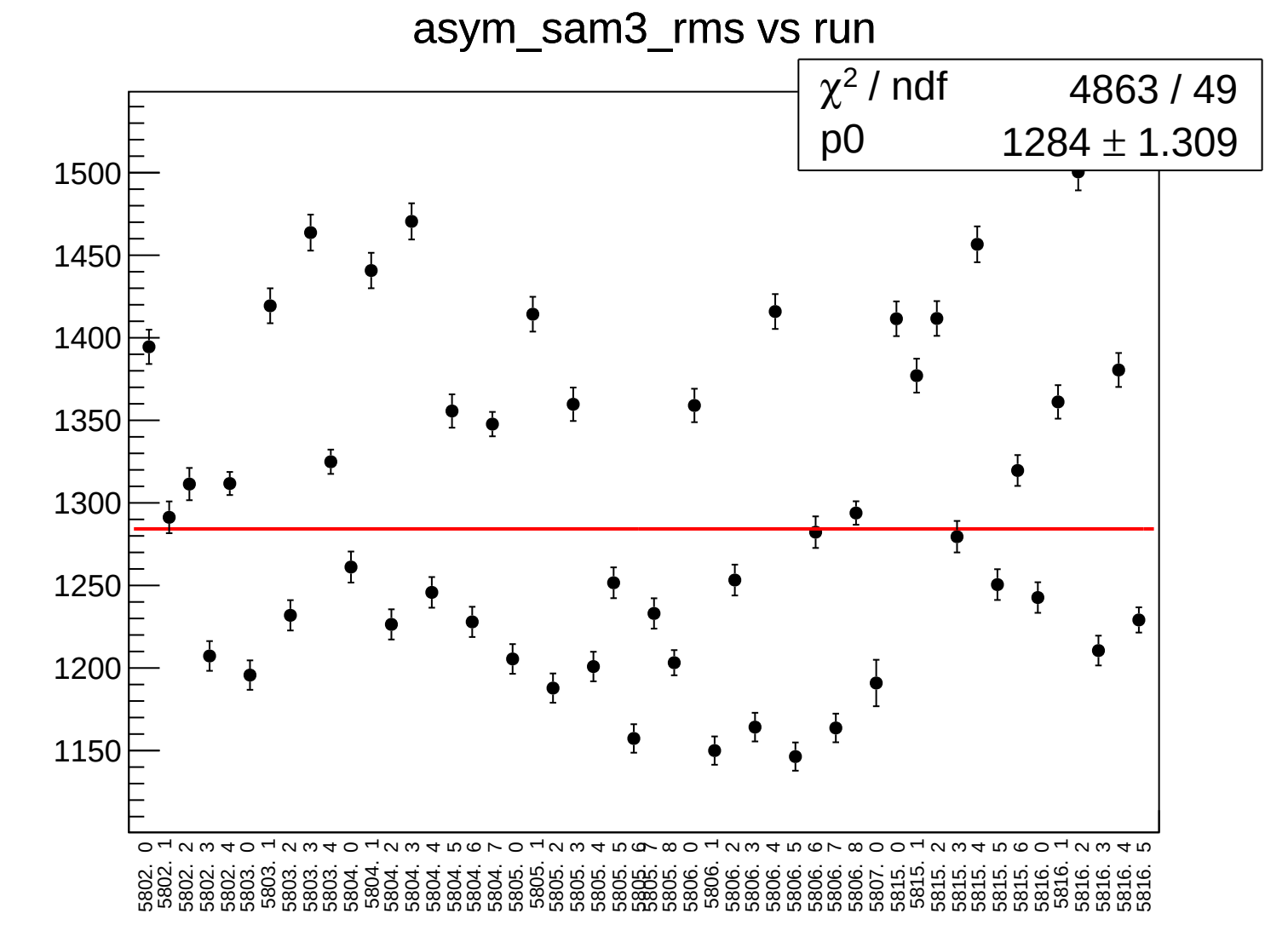

dit_asym_sam3_mean vs run
χ² / ndf 65.43 / 49
p0 14.61 ± 155.7
4000
2000
0
−2000
−4000
pull
Entries 50
Mean −132
Std Dev 148.8
2
1
0
−1
−2
−3

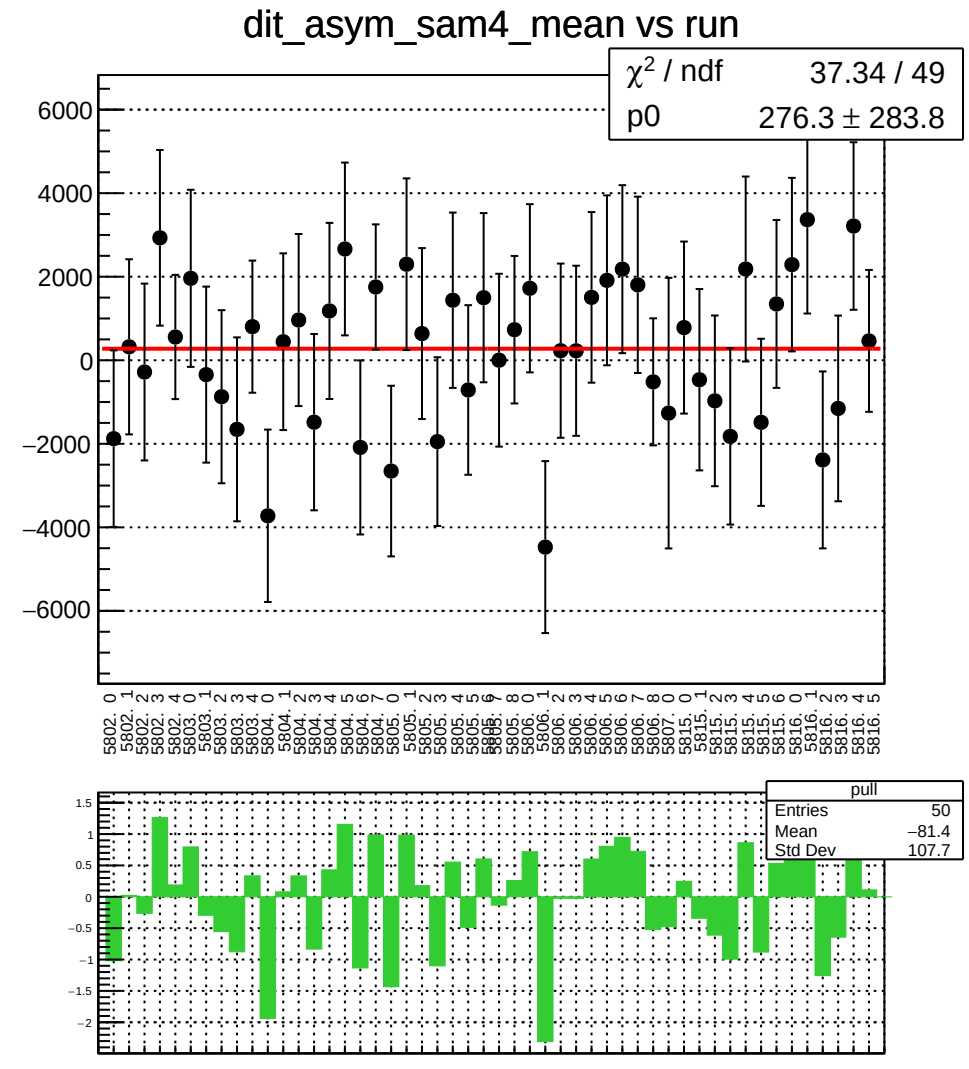

pull1D
Entries 50
Mean −0.01352
Std Dev 1.144
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

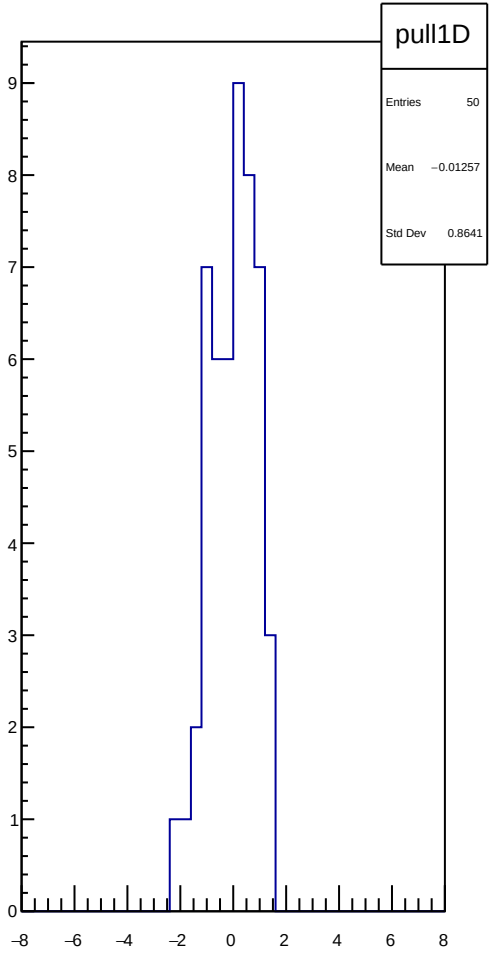

dit_asym_sam3_rms vs run
χ² / ndf 9642 / 49
p0 107.8 ± 0.1101
170
160
150
140
130
120
110
100
90
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

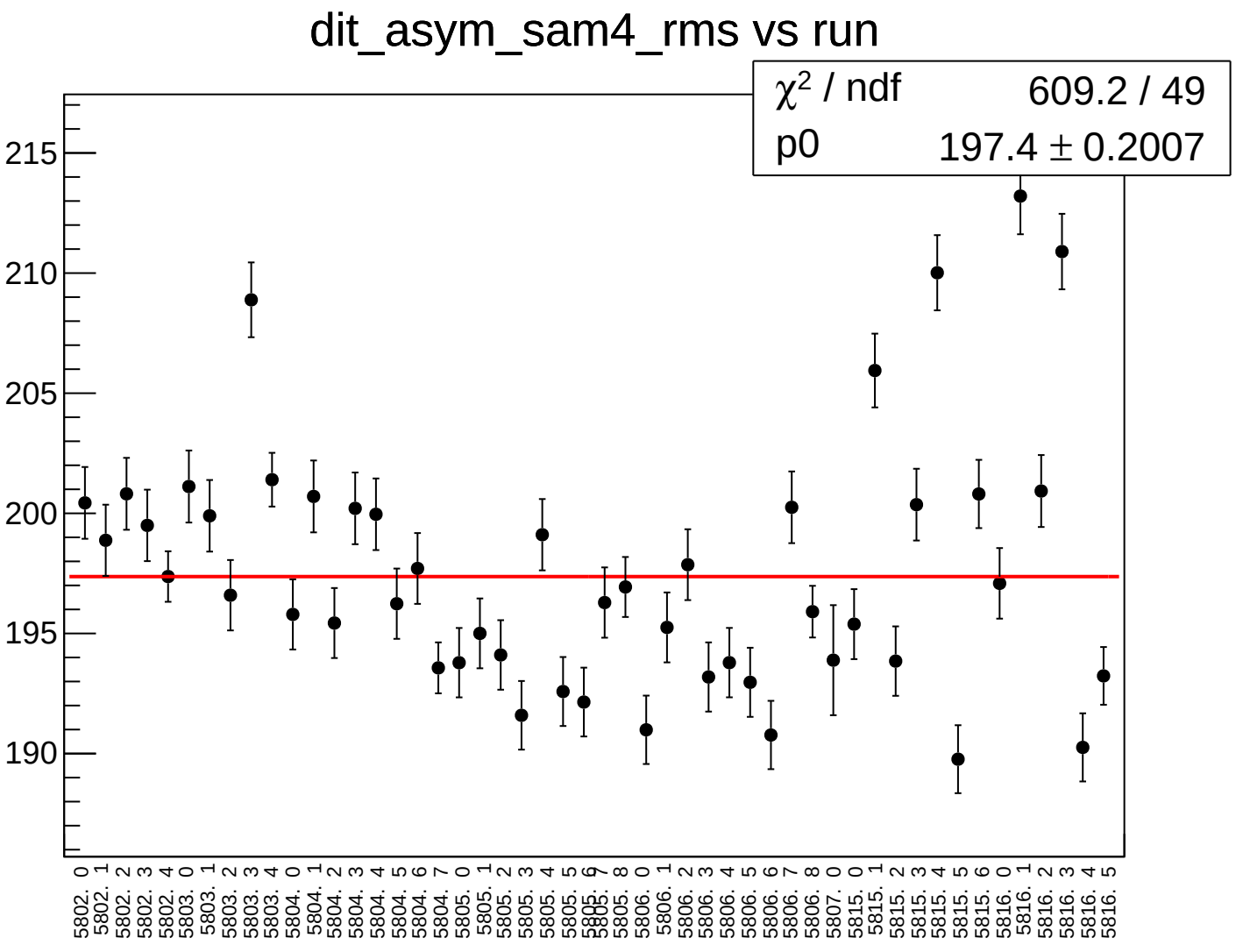

asym_sam3_mean vs run
χ² / ndf 72.23 / 49
p0 −265.3 ± 1851
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −122.3
Std Dev 148.9
2
1
0
−1
−2

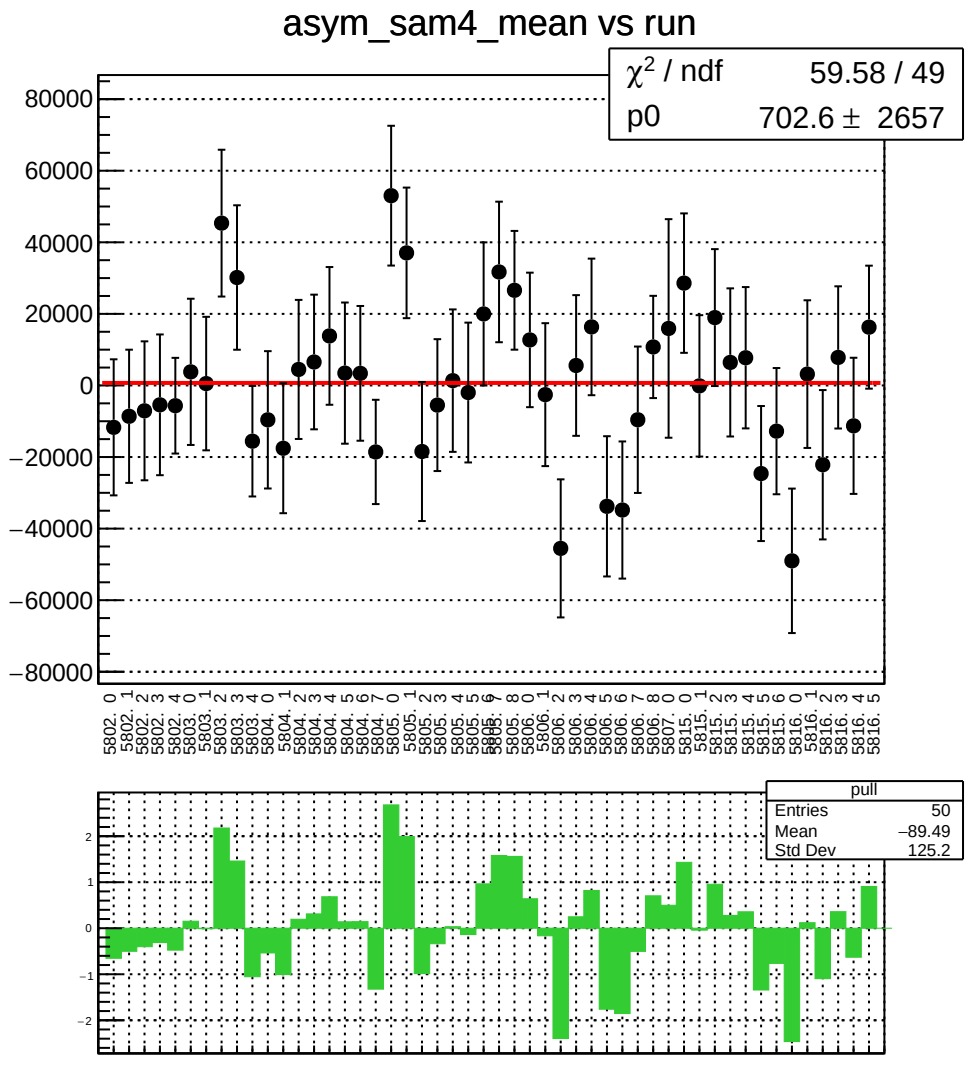

pull1D
Entries 50
Mean 0.02247
Std Dev 1.202
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

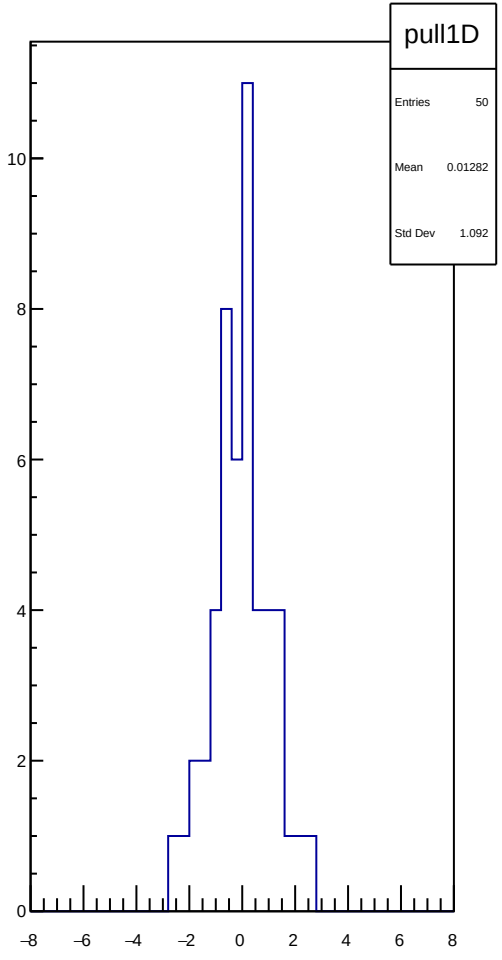

asym_sam3_rms vs run
χ² / ndf 4863 / 49
p0 1284 ± 1.309
1500
1450
1400
1350
1300
1250
1200
1150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

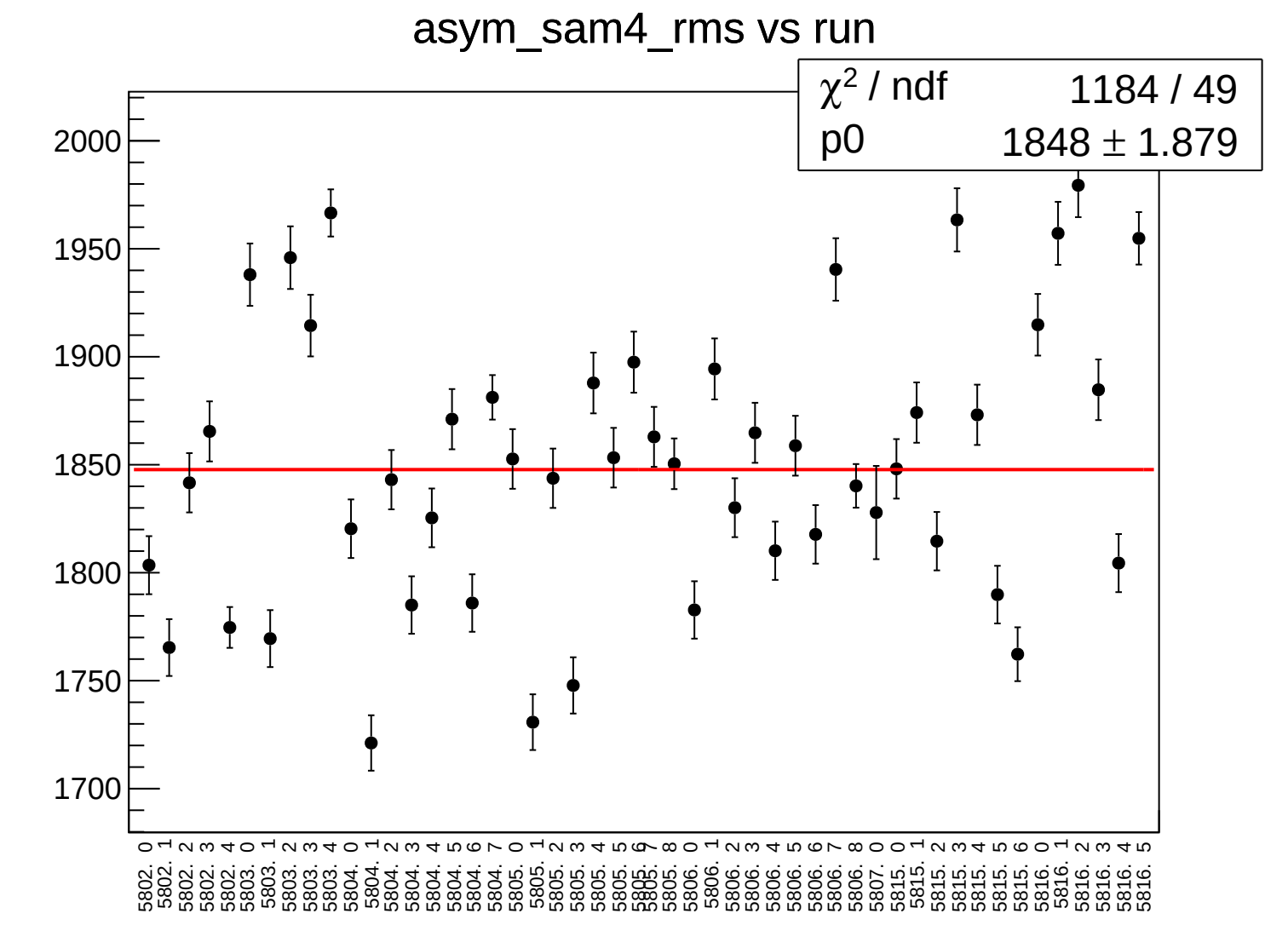

dit_asym_sam4_mean vs run
χ² / ndf 37.34 / 49
p0 276.3 ± 283.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −81.4
Std Dev 107.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

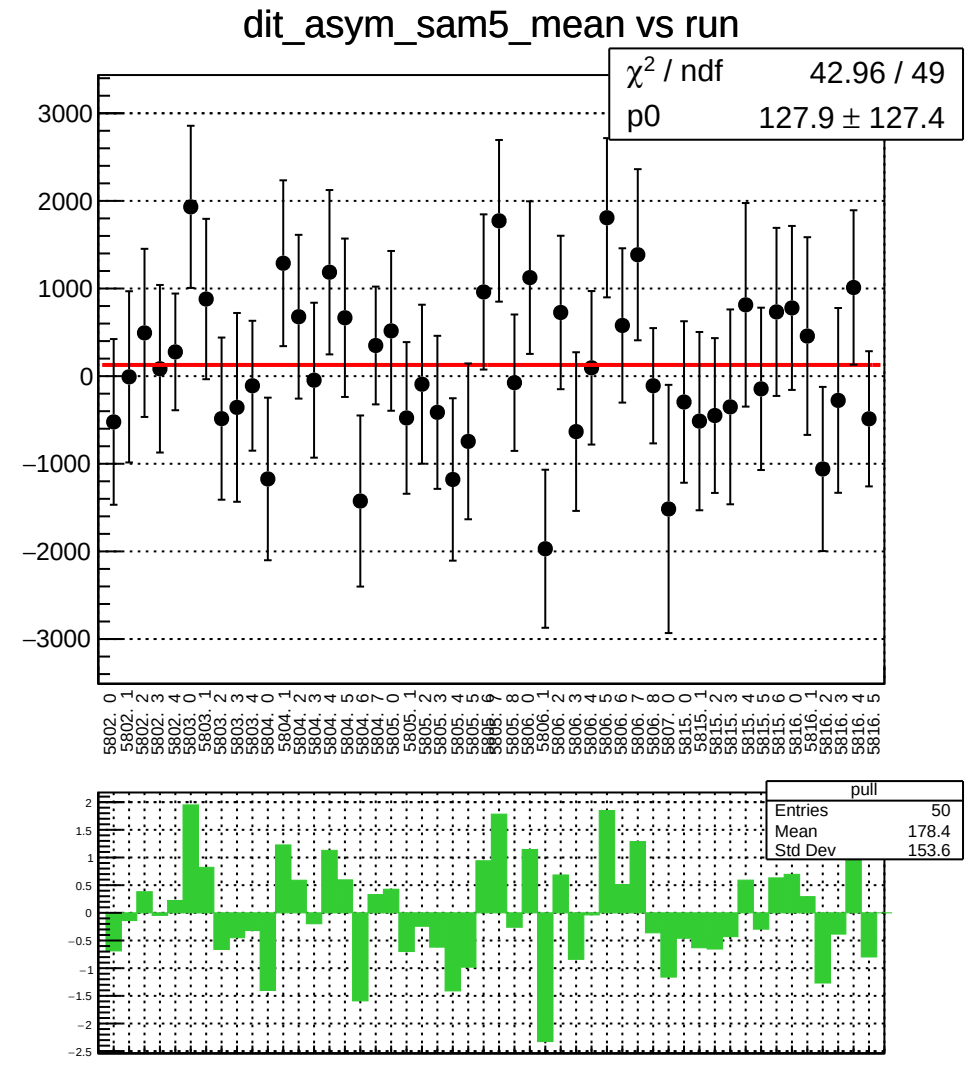

pull1D
Entries 50
Mean −0.01257
Std Dev 0.8641
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

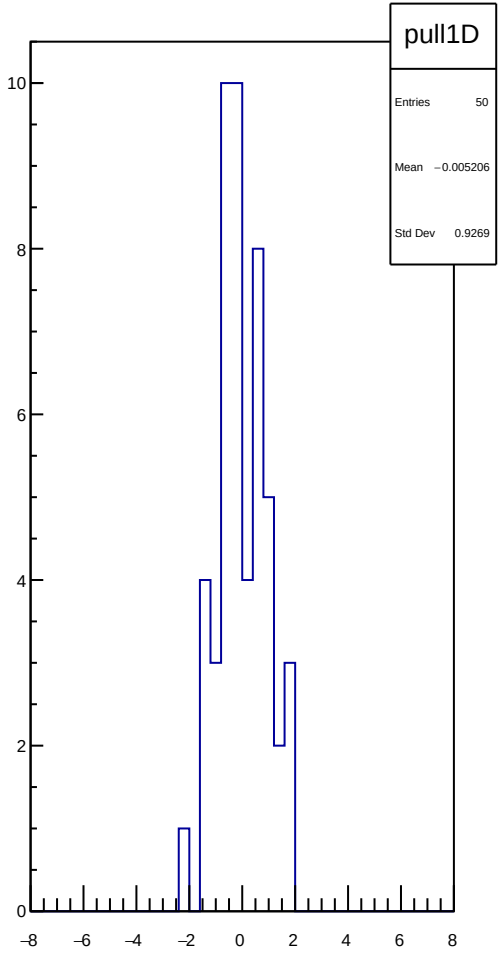

dit_asym_sam4_rms vs run
χ² / ndf 609.2 / 49
p0 197.4 ± 0.2007
215
210
205
200
195
190
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

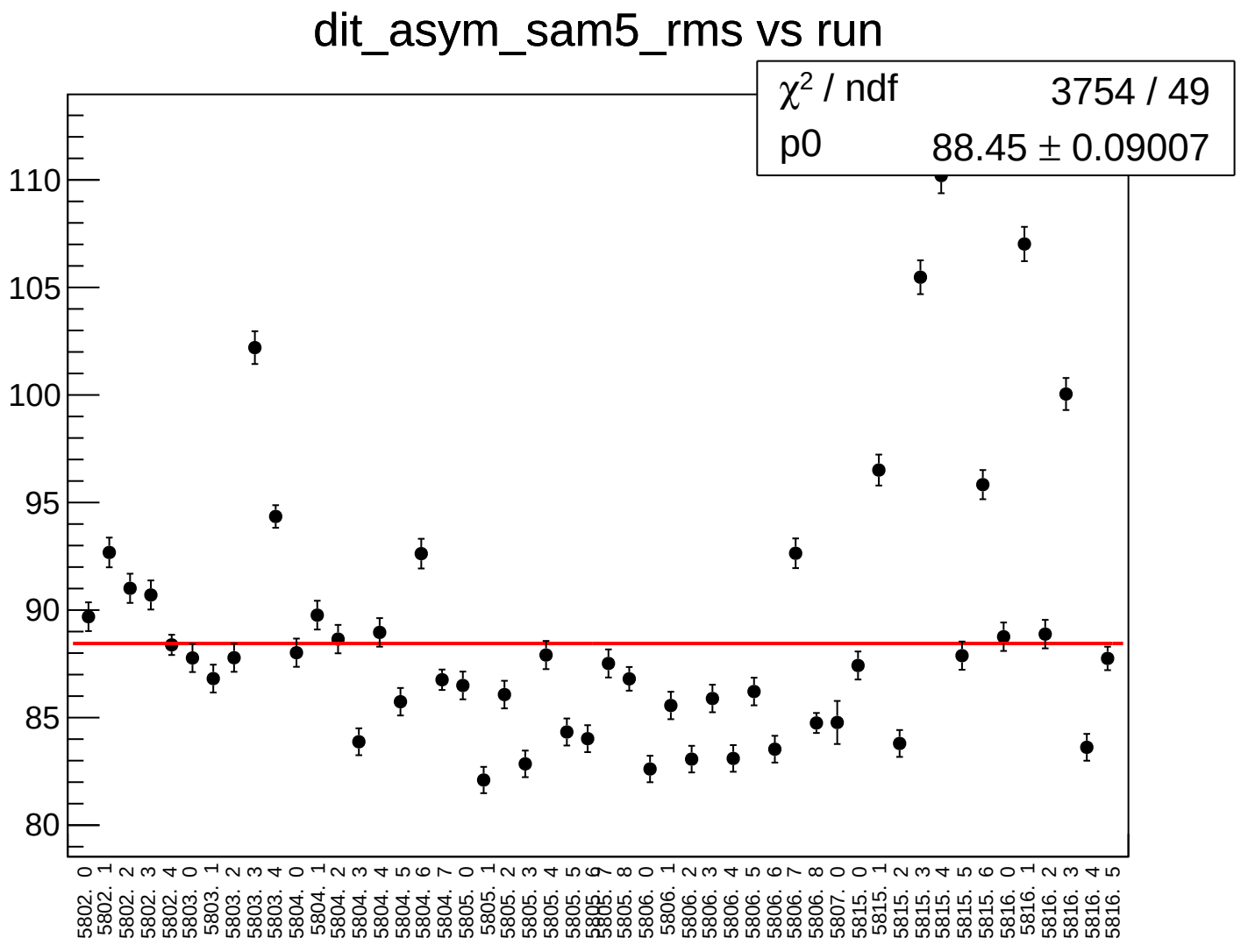

asym_sam4_mean vs run
χ² / ndf 59.58 / 49
p0 702.6 ± 2657
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −89.49
Std Dev 125.2
2
1
0
−1
−2

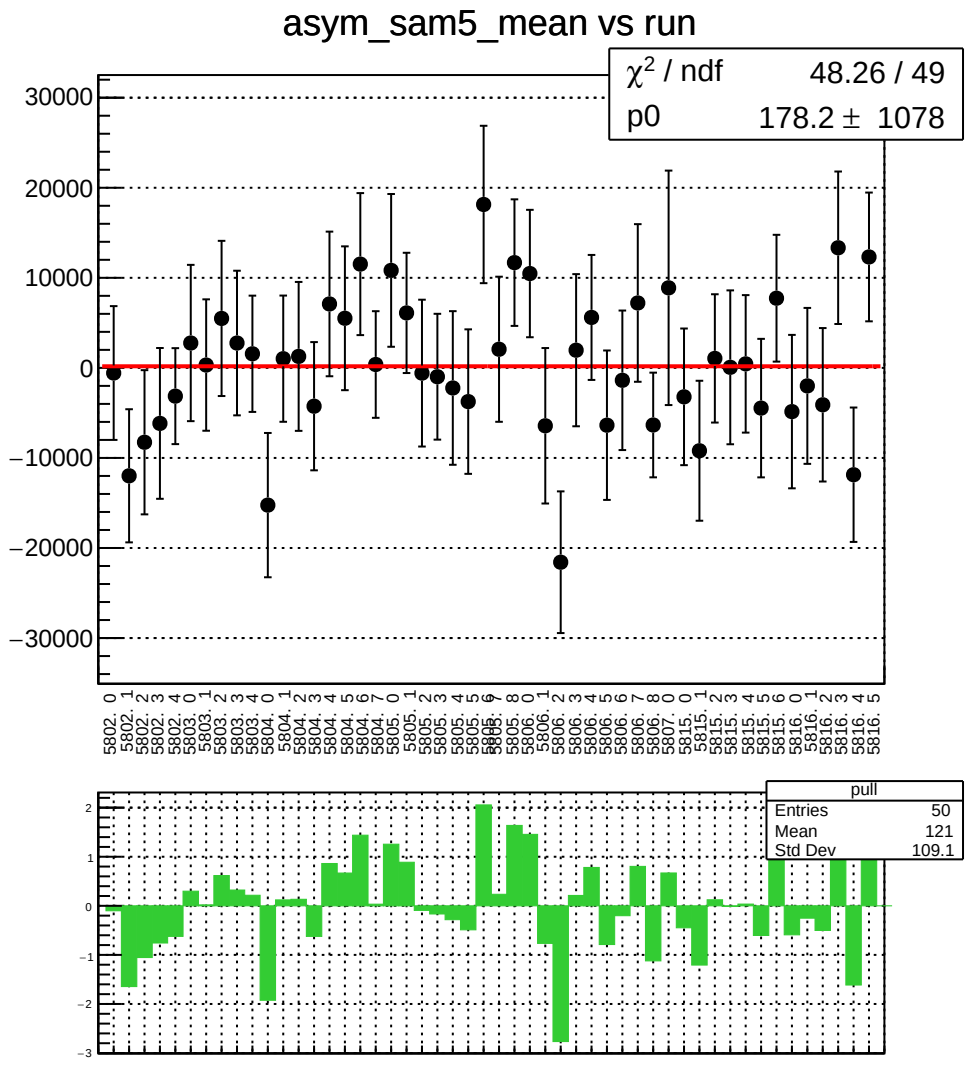

pull1D
Entries 50
Mean 0.01282
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

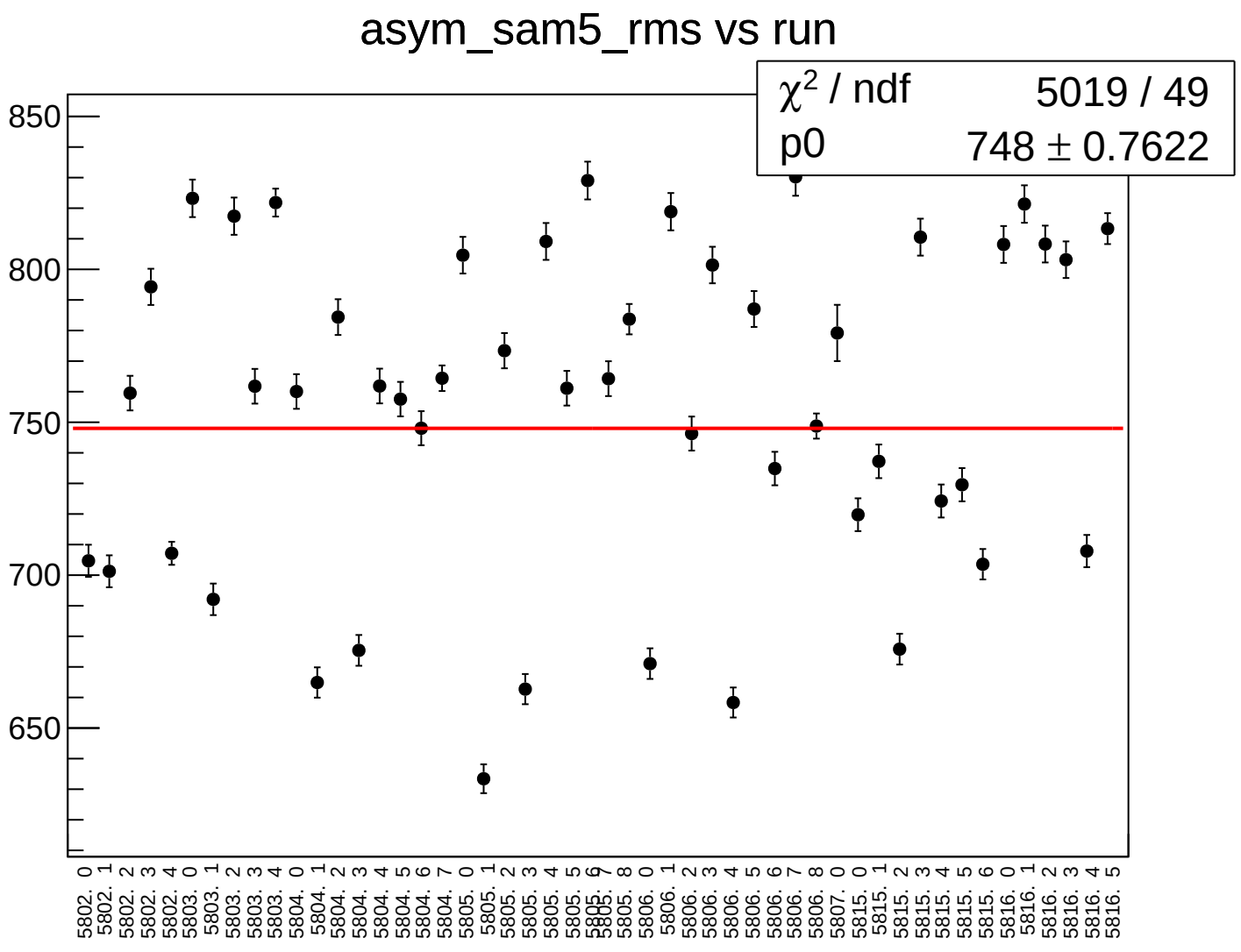

asym_sam4_rms vs run
χ² / ndf 1184 / 49
p0 1848 ± 1.879
2000
1950
1900
1850
1800
1750
1700
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

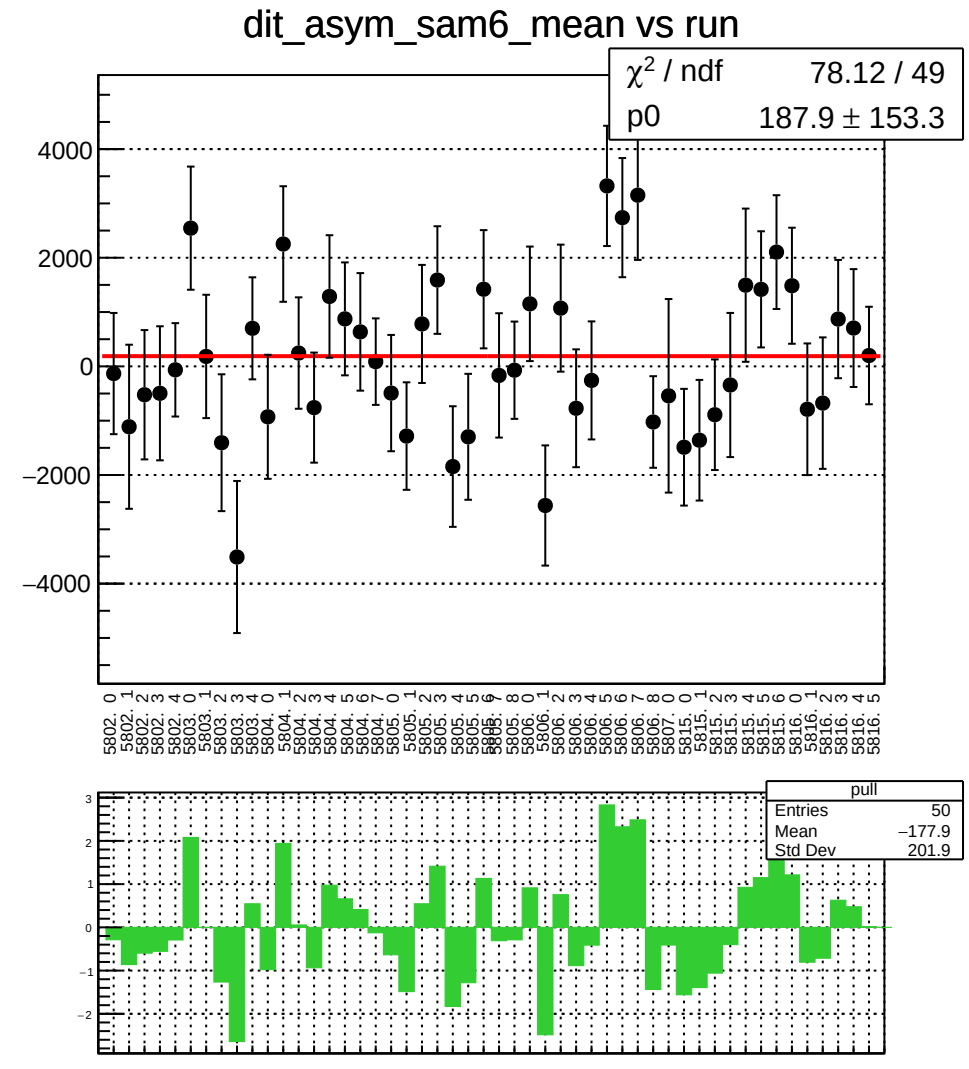

dit_asym_sam5_mean vs run
χ^2 / ndf 42.96 / 49
p0 127.9 ± 127.4
pull
Entries 50
Mean 178.4
Std Dev 153.6

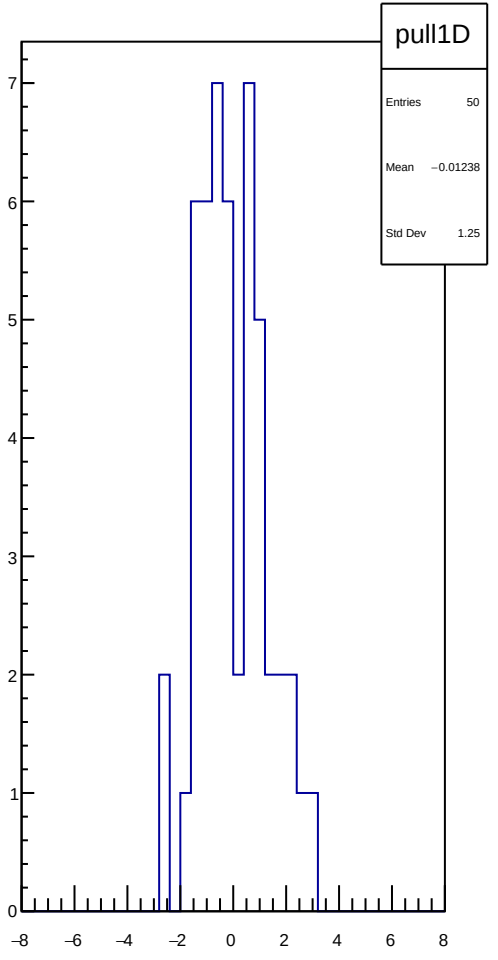

pull1D
Entries 50
Mean −0.005206
Std Dev 0.9269

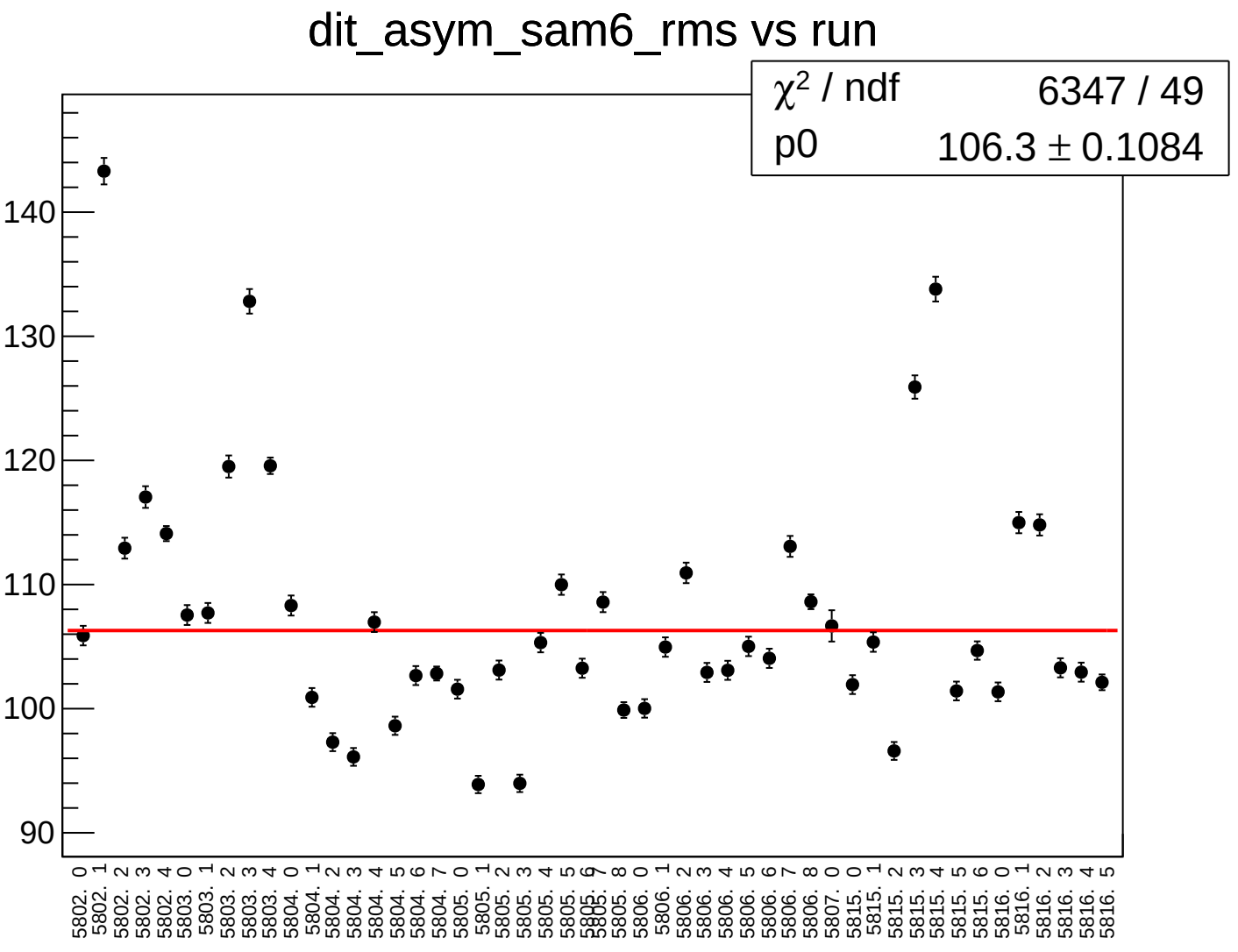

dit_asym_sam5_rms vs run
χ² / ndf 3754 / 49
p0 88.45 ± 0.09007
110
105
100
95
90
85
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

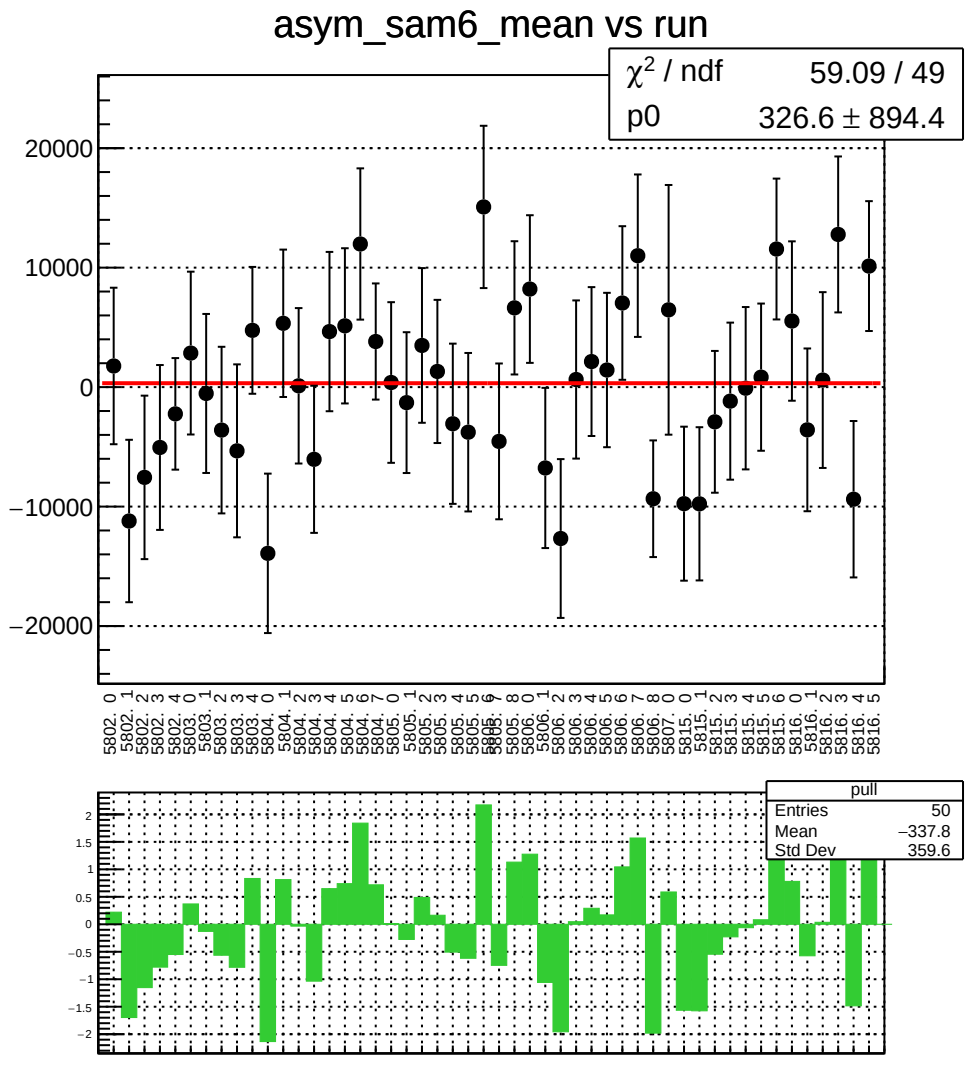

asym_sam5_mean vs run
χ² / ndf 48.26 / 49
p0 178.2 ± 1078
30000
20000
10000
0
−10000
−20000
−30000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 121
Std Dev 109.1
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01137
Std Dev 0.9824
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

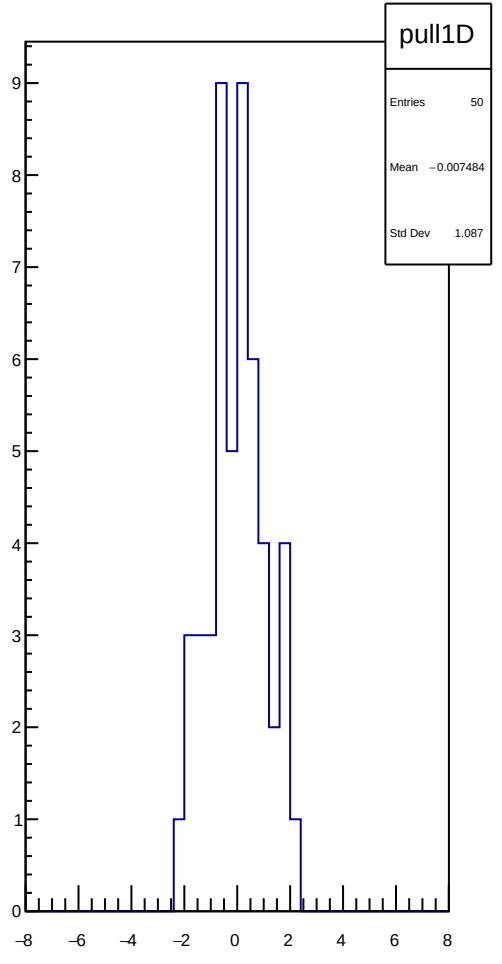

asym_sam5_rms vs run
χ² / ndf 5019 / 49
p0 748 ± 0.7622
850
800
750
700
650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

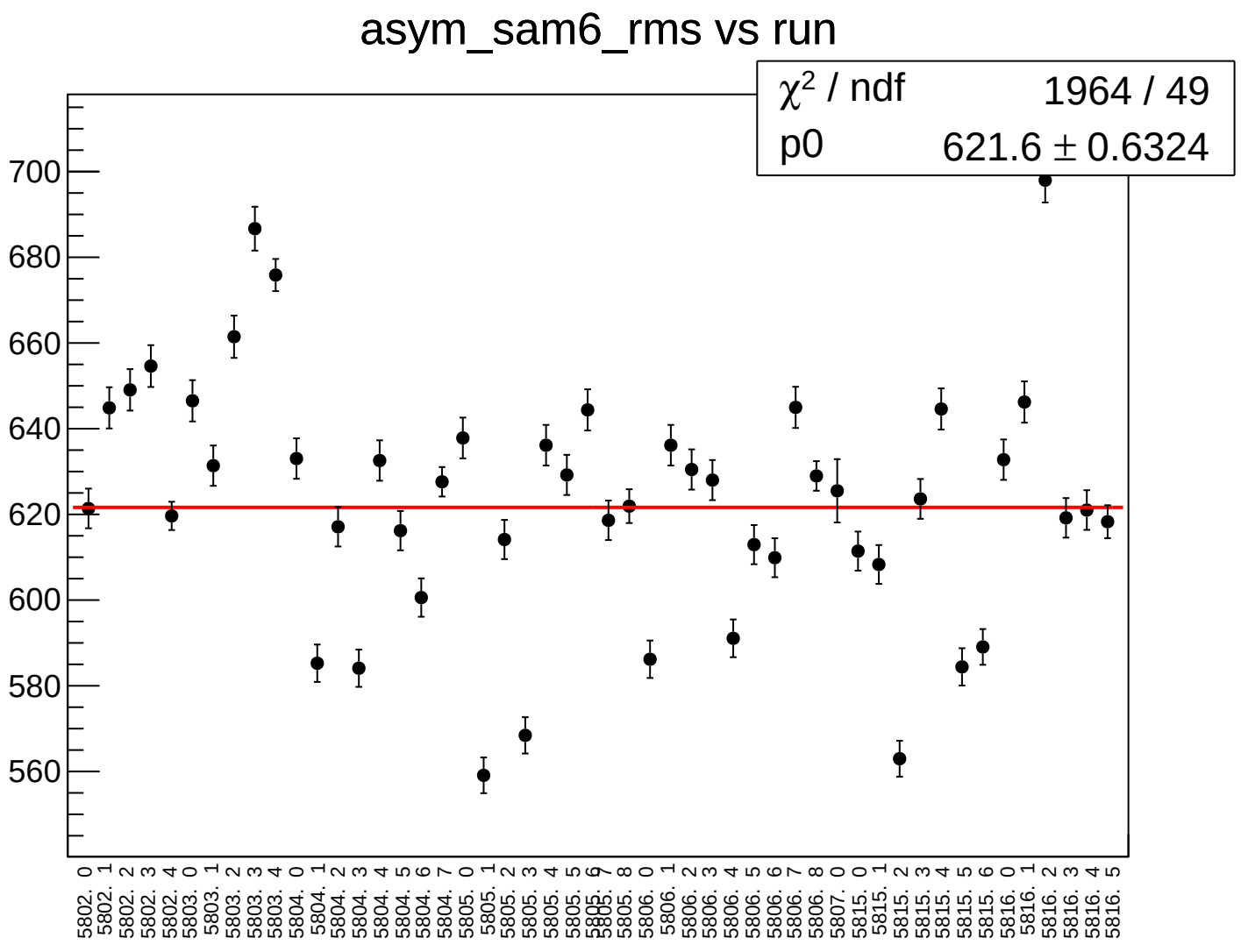

dit_asym_sam6_mean vs run
χ² / ndf 78.12 / 49
p0 187.9 ± 153.3
4000
2000
0
−2000
−4000
pull
Entries 50
Mean −177.9
Std Dev 201.9
3
2
1
0
−1
−2

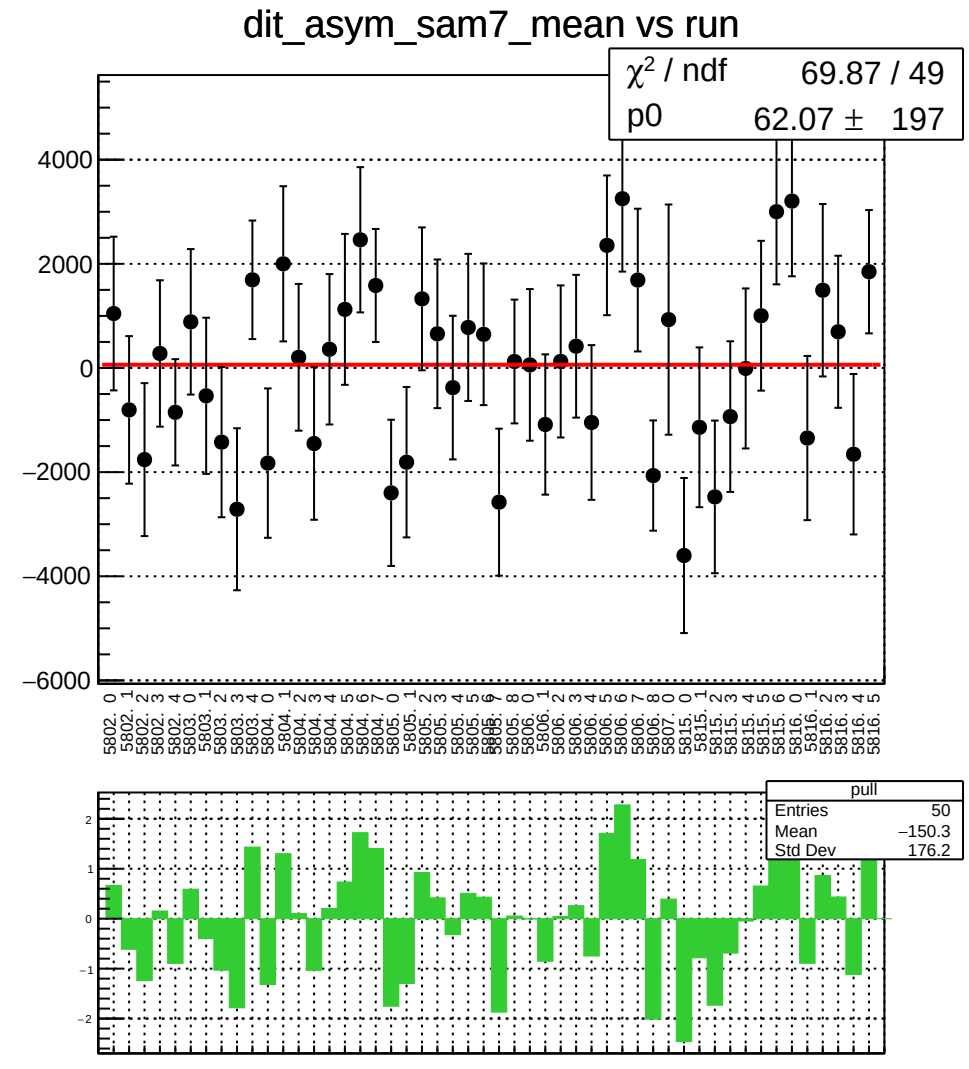

pull1D
Entries 50
Mean −0.01238
Std Dev 1.25
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

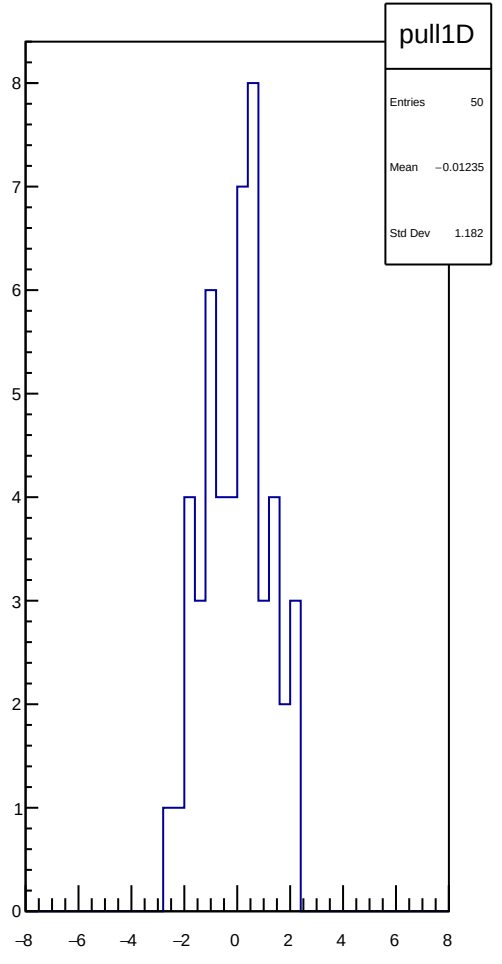

dit_asym_sam6_rms vs run
χ² / ndf 6347 / 49
p0 106.3 ± 0.1084
140
130
120
110
100
90
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

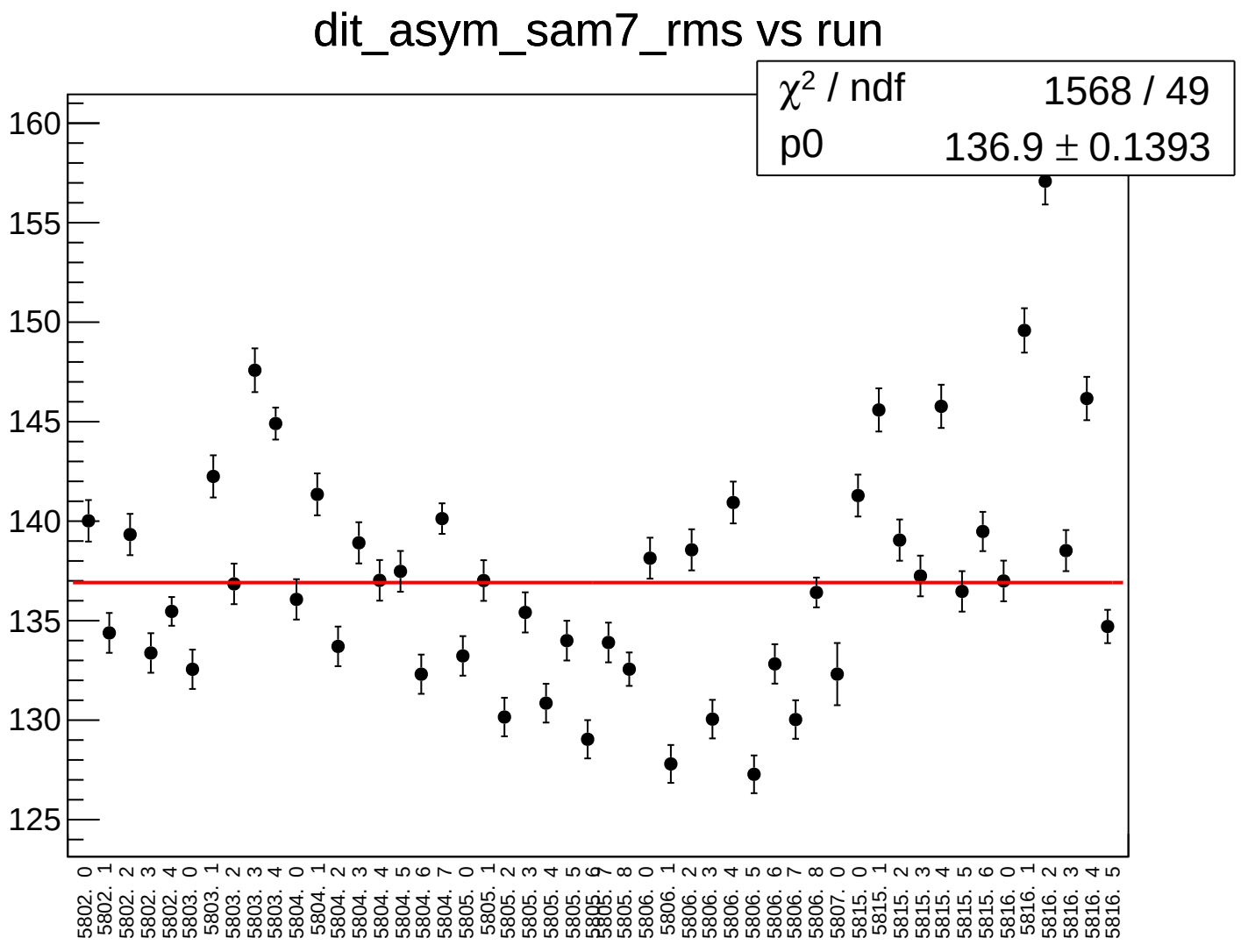

asym_sam6_mean vs run
χ² / ndf 59.09 / 49
p0 326.6 ± 894.4
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −337.8
Std Dev 359.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

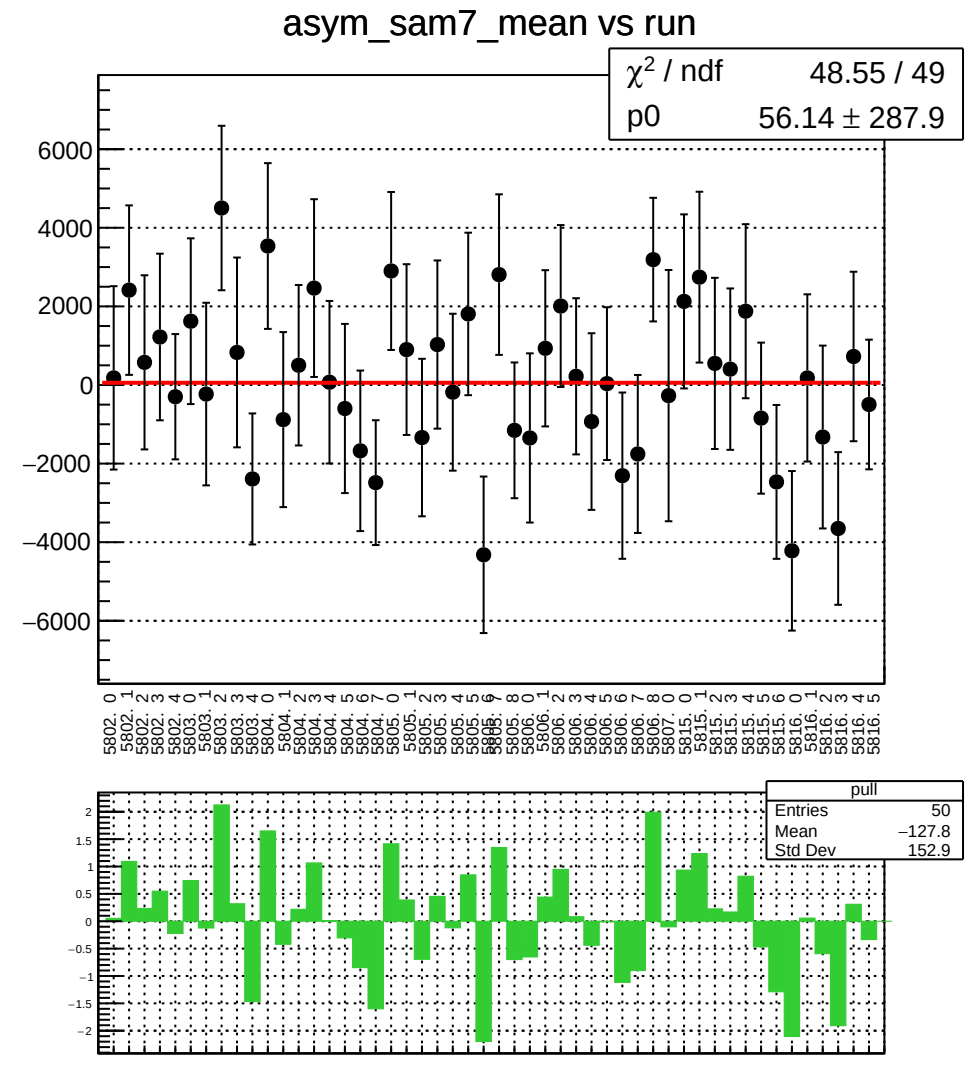

pull1D
Entries 50
Mean −0.007484
Std Dev 1.087
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

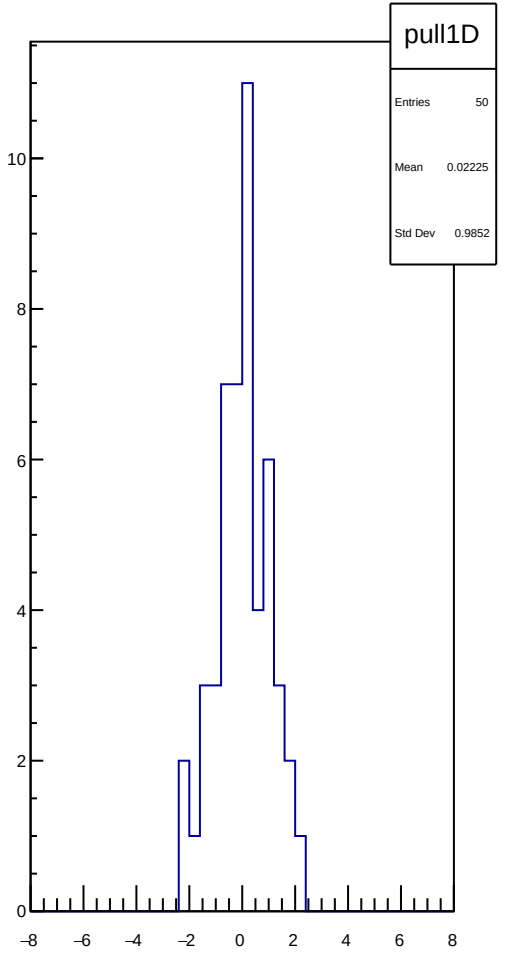

asym_sam6_rms vs run
χ² / ndf 1964 / 49
p0 621.6 ± 0.6324
700
680
660
640
620
600
580
560
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

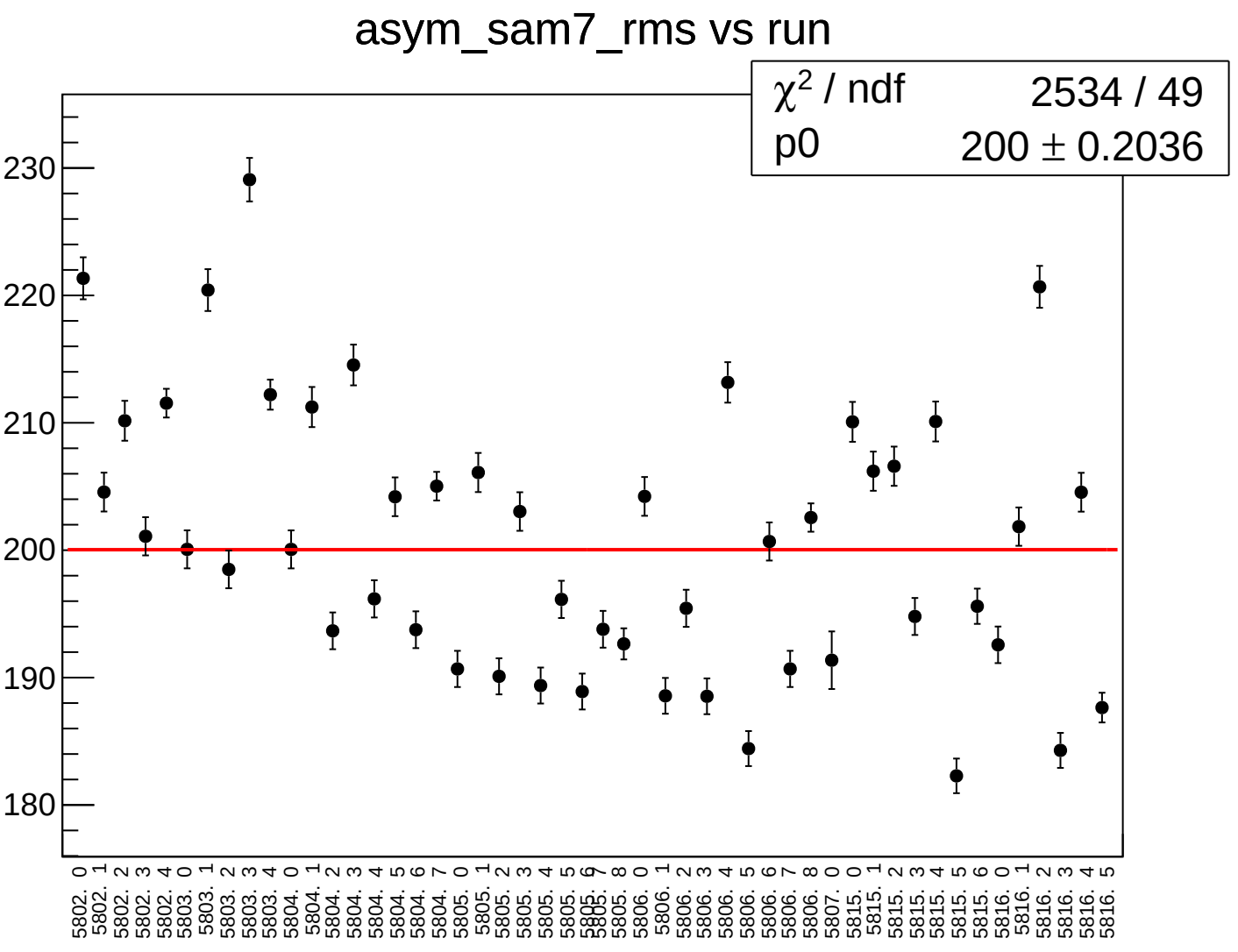

dit_asym_sam7_mean vs run
χ² / ndf 69.87 / 49
p0 62.07 ± 197
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −150.3
Std Dev 176.2
2
1
0
−1
−2

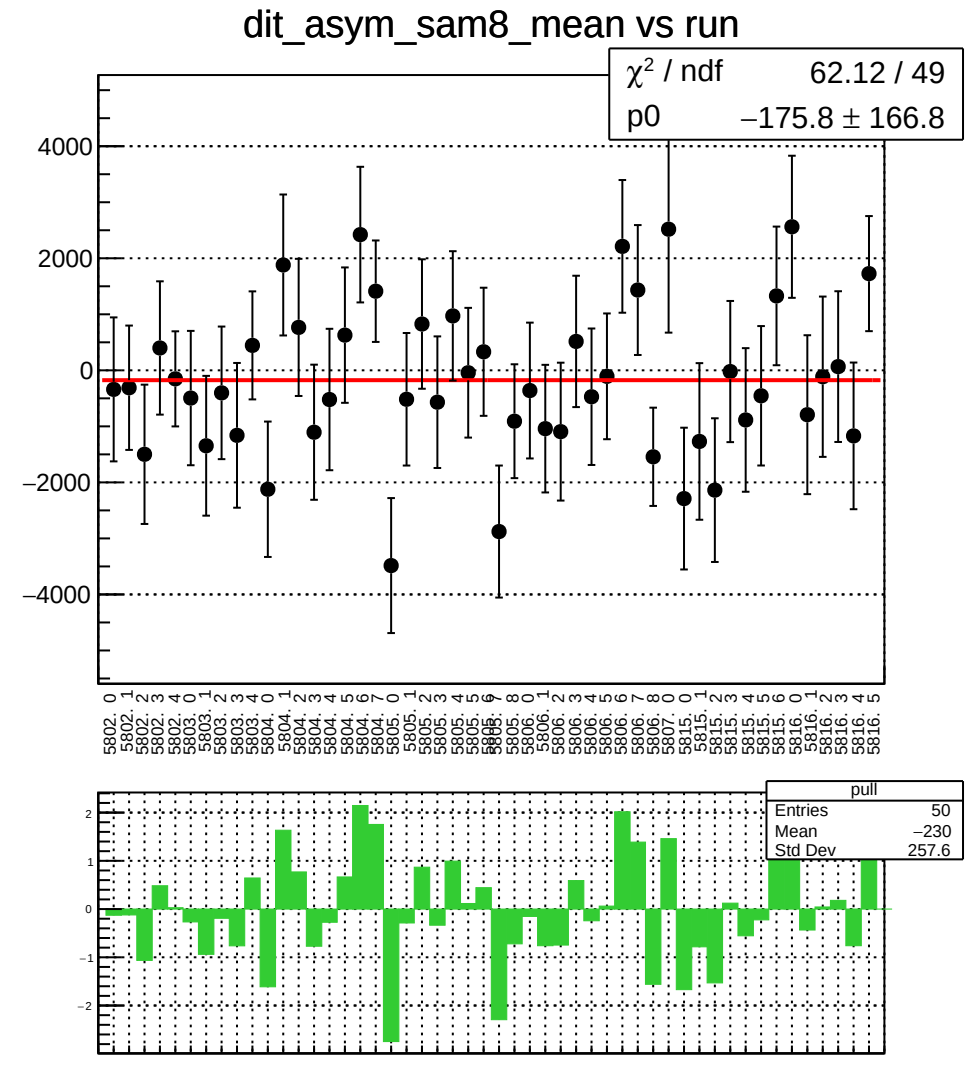

pull1D
Entries 50
Mean −0.01235
Std Dev 1.182
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

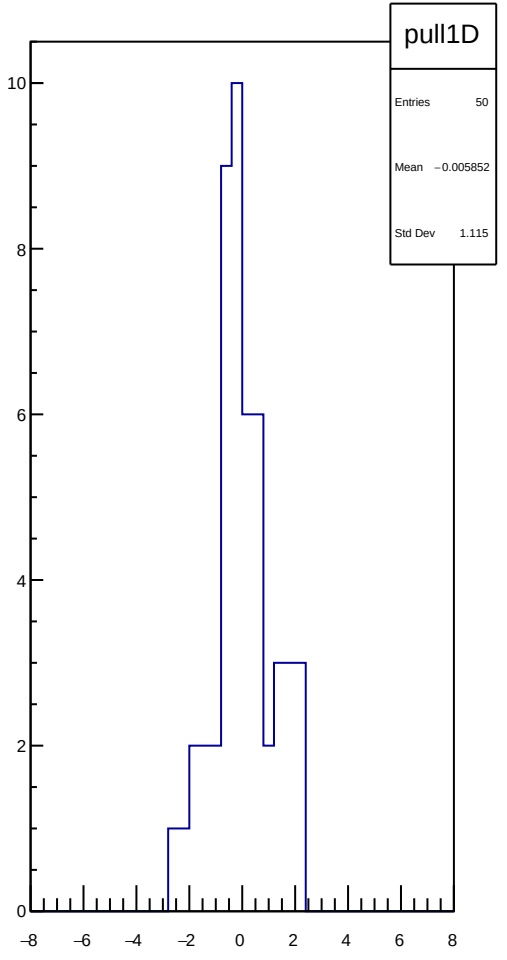

dit_asym_sam7_rms vs run
χ² / ndf 1568 / 49
p0 136.9 ± 0.1393
160
155
150
145
140
135
130
125
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

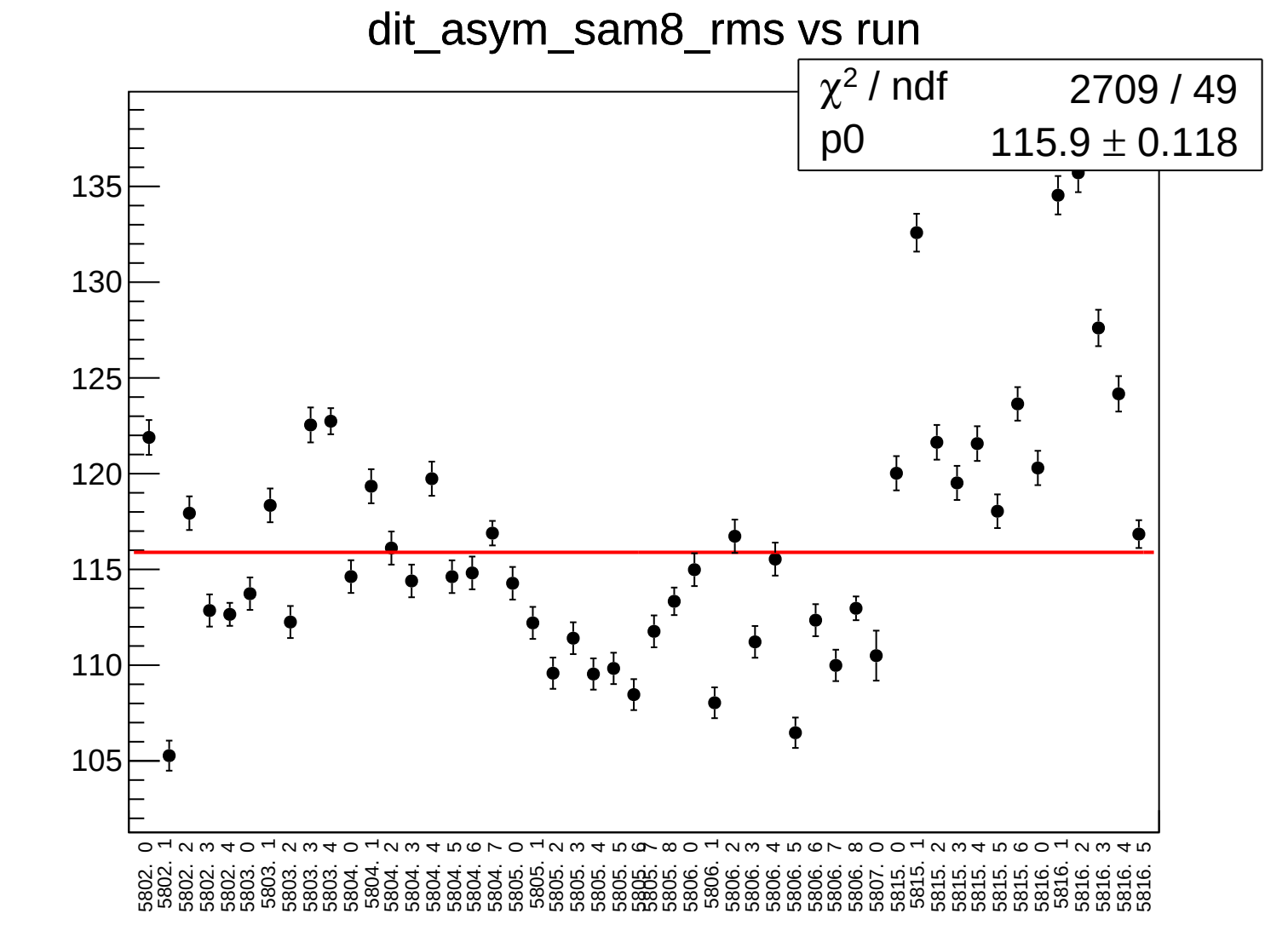

asym_sam7_mean vs run
χ² / ndf 48.55 / 49
p0 56.14 ± 287.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −127.8
Std Dev 152.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

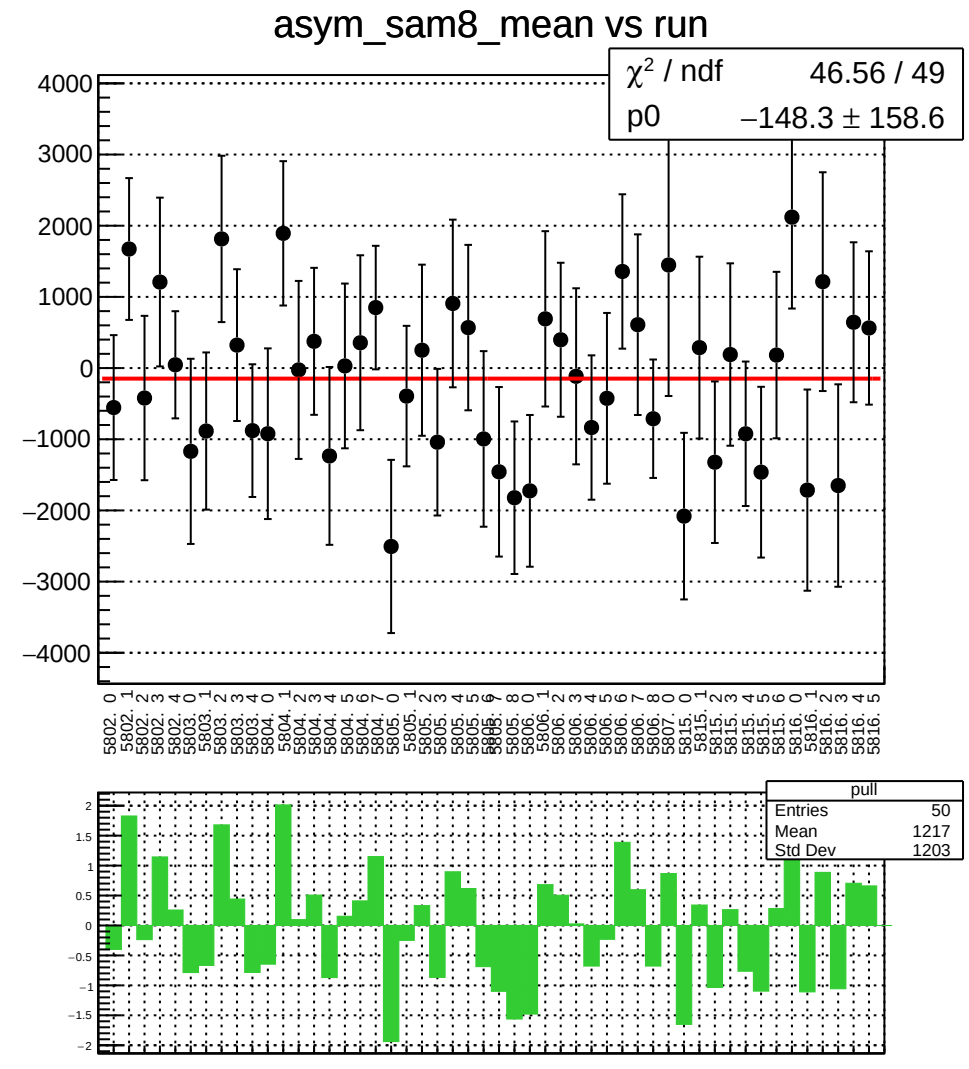

pull1D
Entries 50
Mean 0.02225
Std Dev 0.9852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

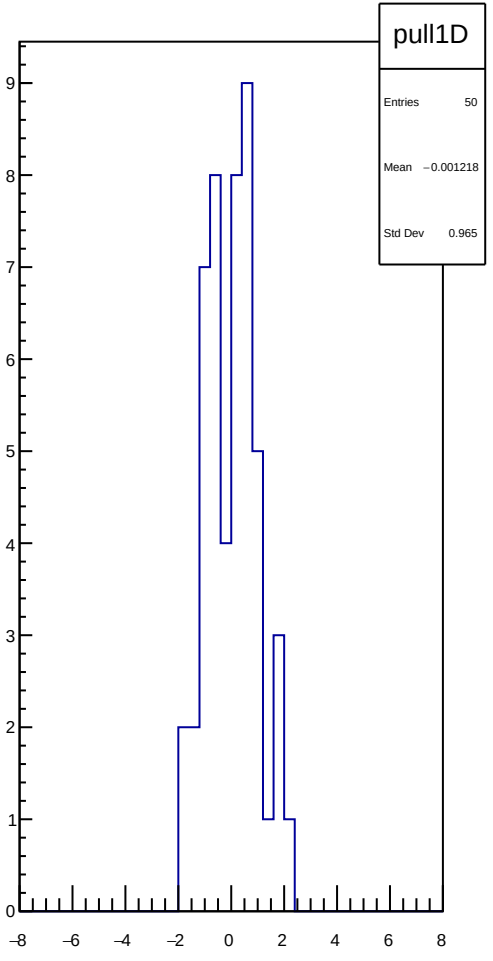

asym_sam7_rms vs run
χ^2 / ndf 2534 / 49
p0 200 ± 0.2036
230
220
210
200
190
180
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

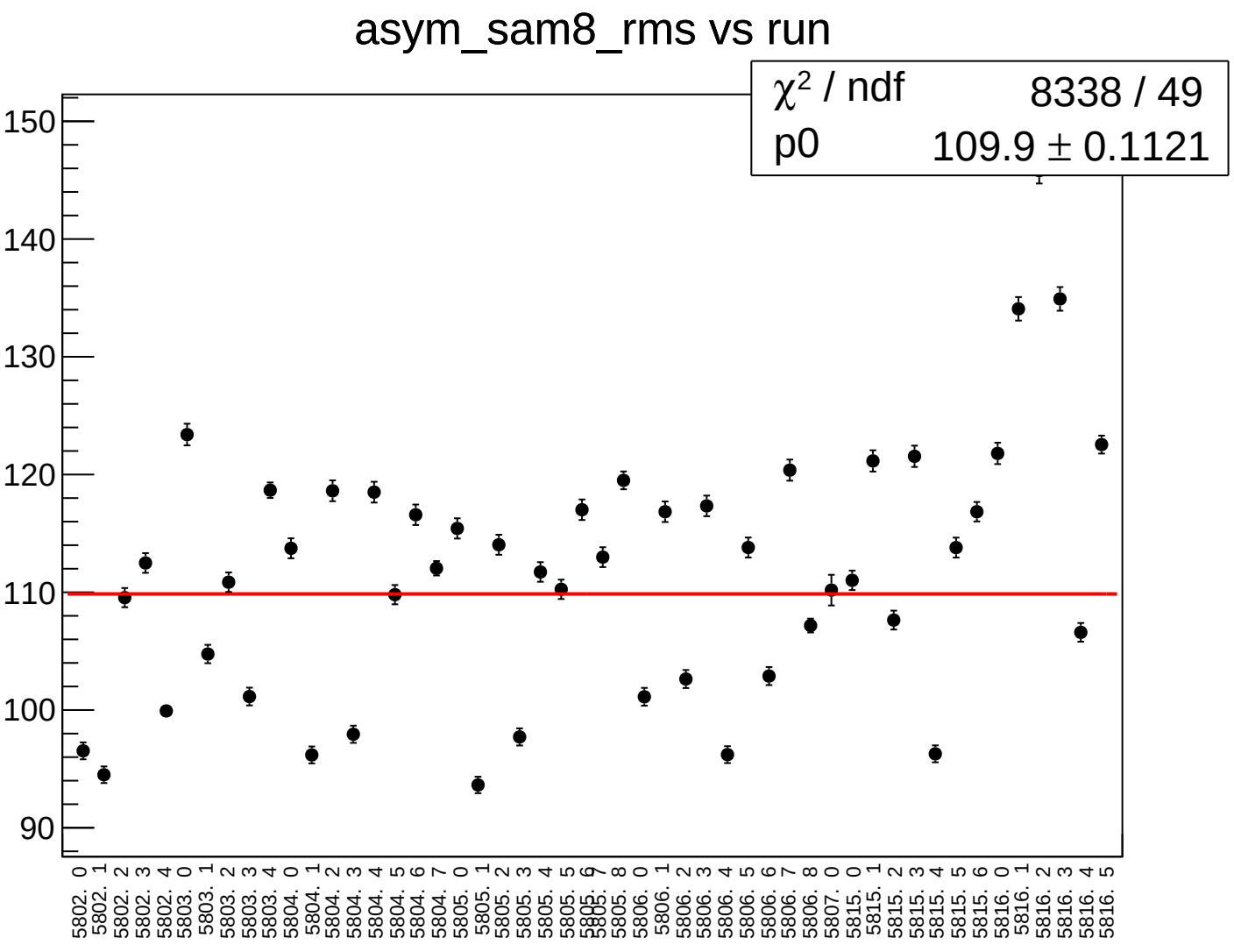

dit_asym_sam8_mean vs run
χ² / ndf 62.12 / 49
p0 −175.8 ± 166.8
4000
2000
0
−2000
−4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean −230
Std Dev 257.6
2
1
0
−1
−2

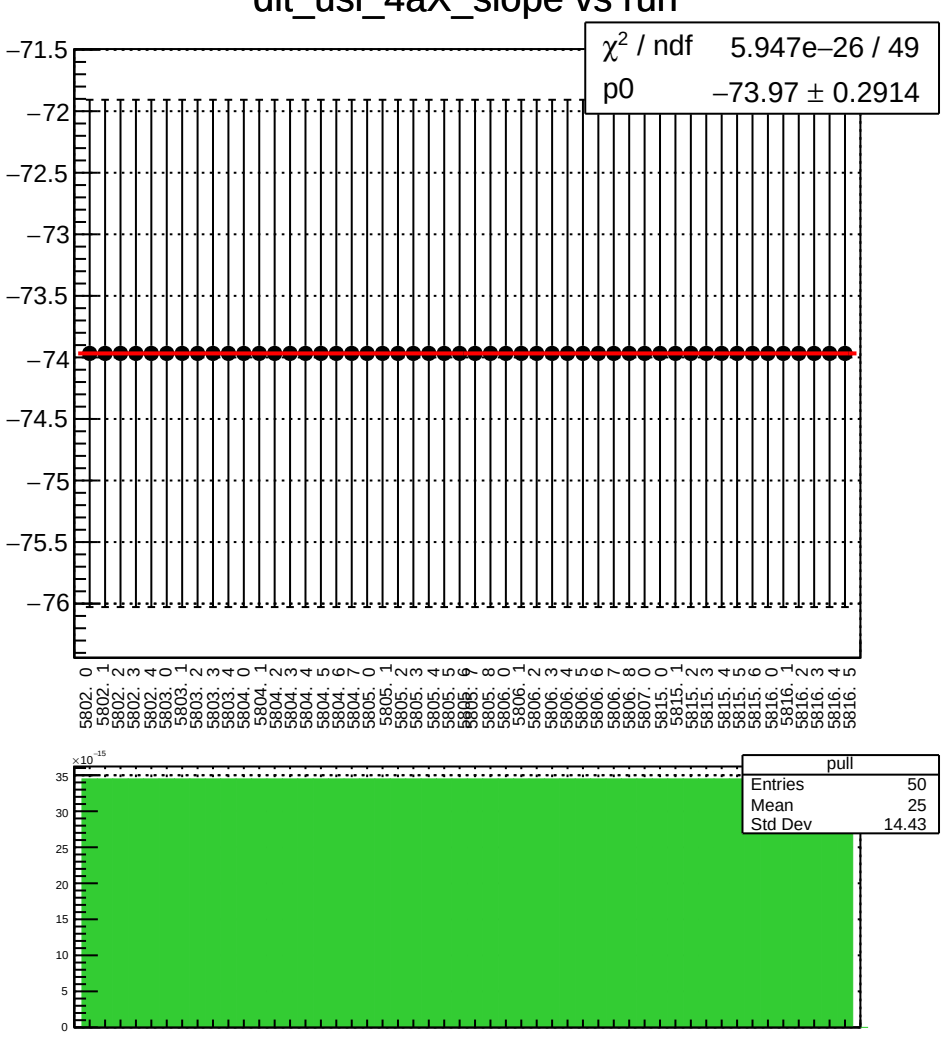

pull1D
Entries 50
Mean −0.005852
Std Dev 1.115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

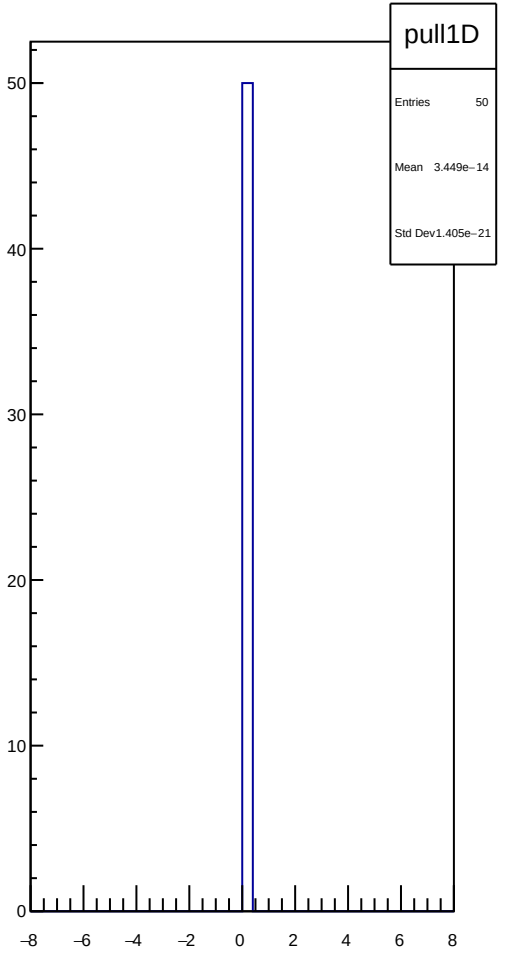

dit_asym_sam8_rms vs run
χ² / ndf 2709 / 49
p0 115.9 ± 0.118
135
130
125
120
115
110
105
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

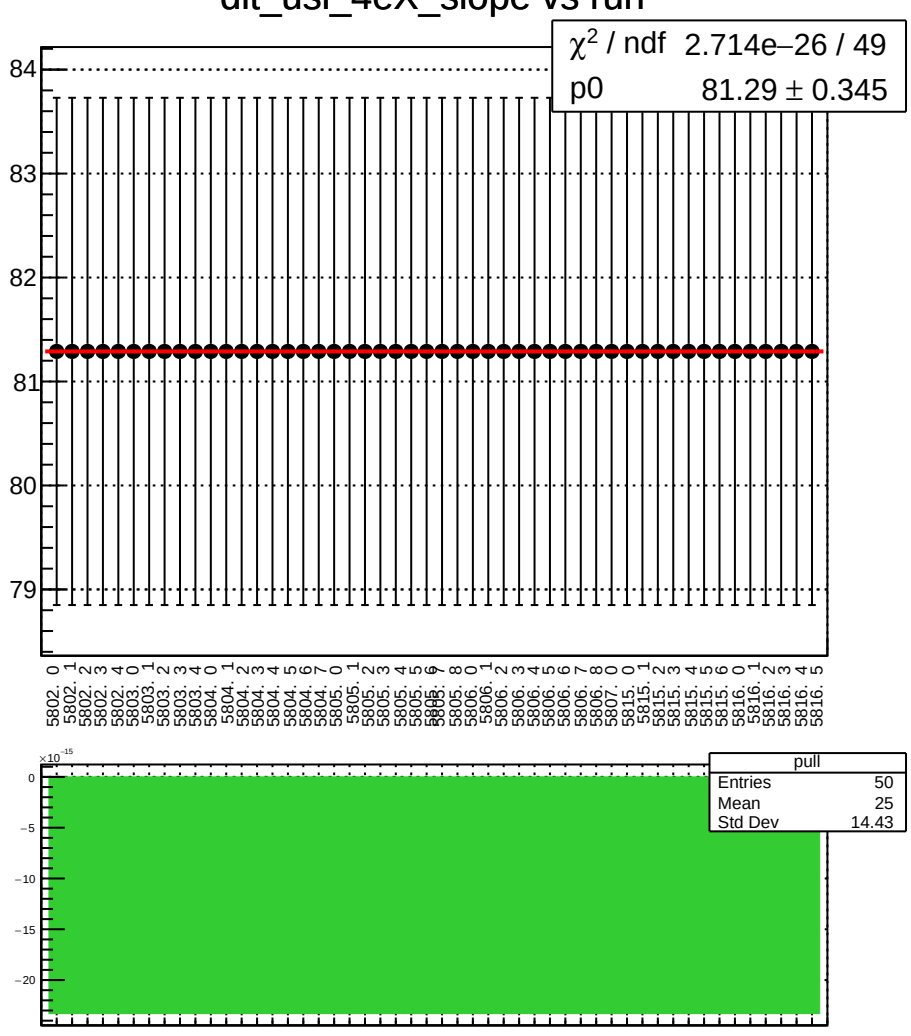

asym_sam8_mean vs run
χ² / ndf 46.56 / 49
p0 −148.3 ± 158.6
pull
Entries 50
Mean 1217
Std Dev 1203

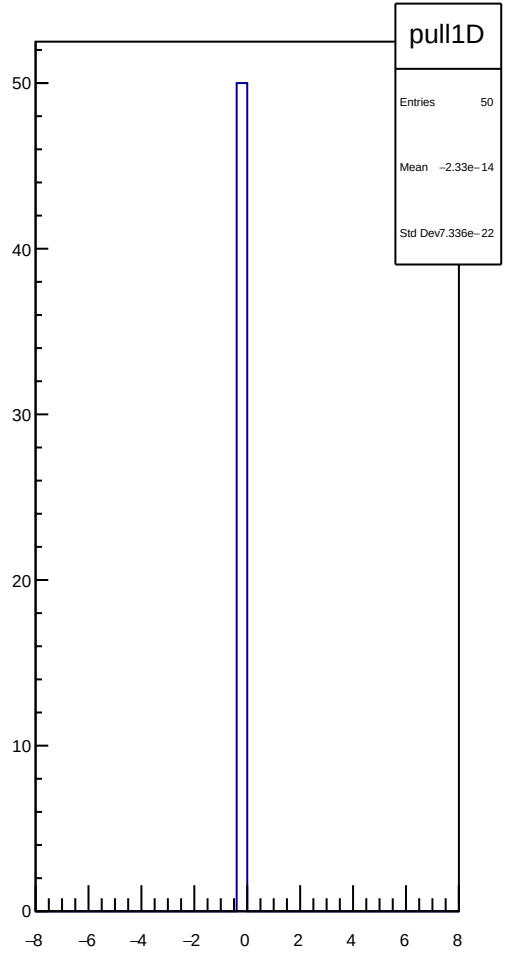

pull1D
Entries 50
Mean −0.001218
Std Dev 0.965

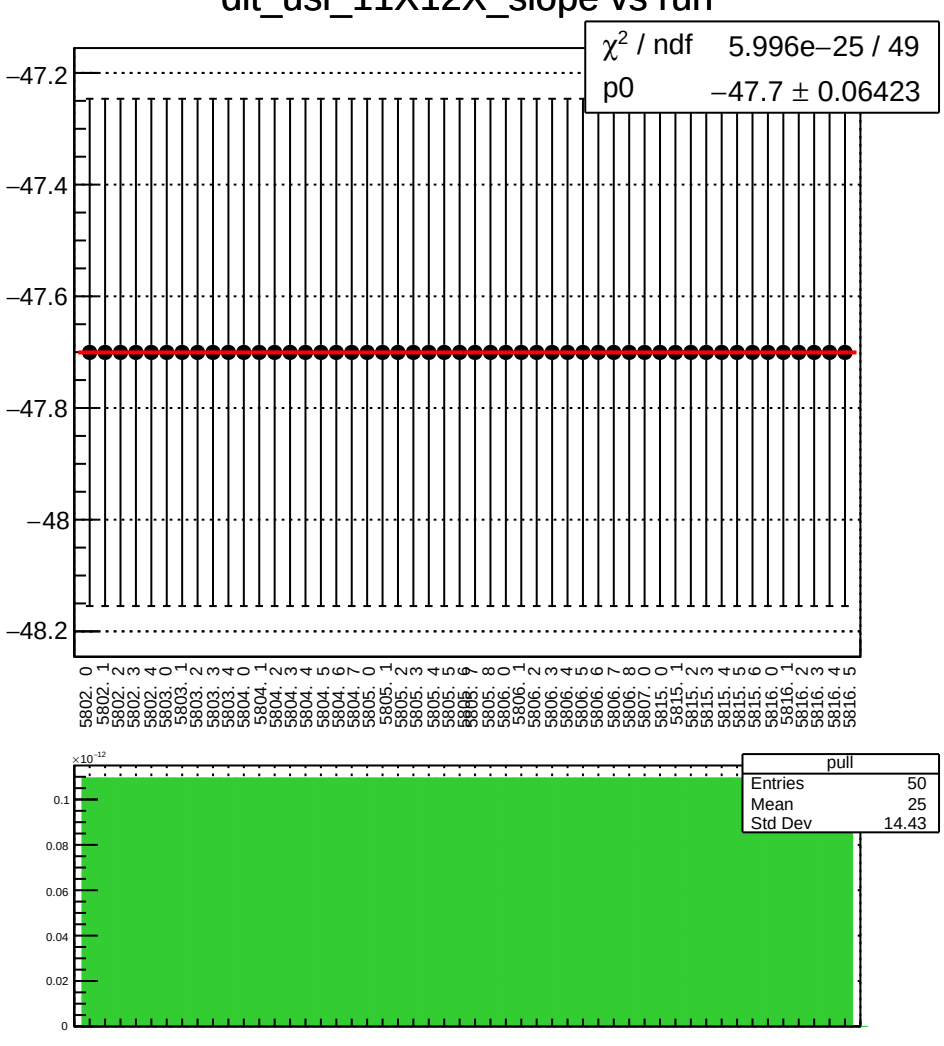

asym_sam8_rms vs run
χ² / ndf 8338 / 49
p0 109.9 ± 0.1121
150
140
130
120
110
100
90
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

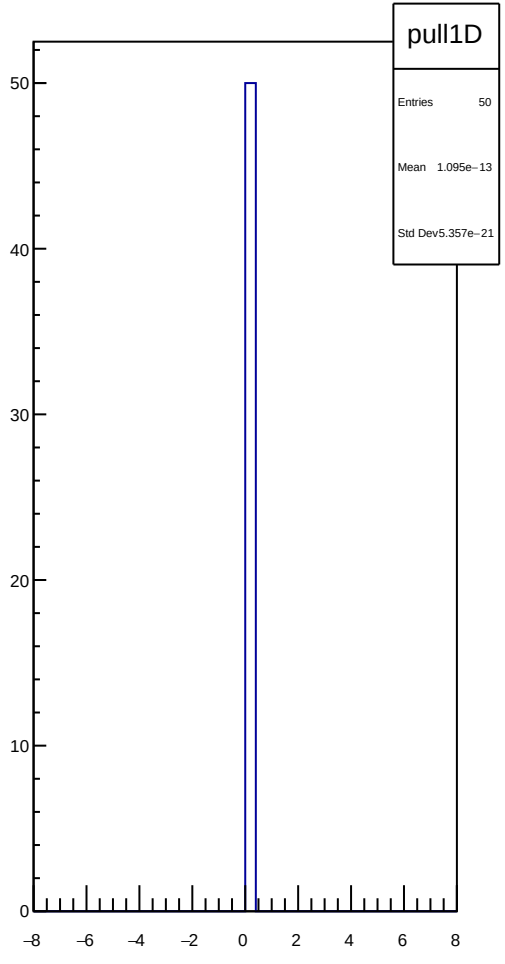

dit_usl_4aX_slope vs run
χ² / ndf 5.947e−26 / 49
p0 −73.97 ± 0.2914
−71.5
−72
−72.5
−73
−73.5
−74
−74.5
−75
−75.5
−76
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
35
30
25
20
15
10
5
0

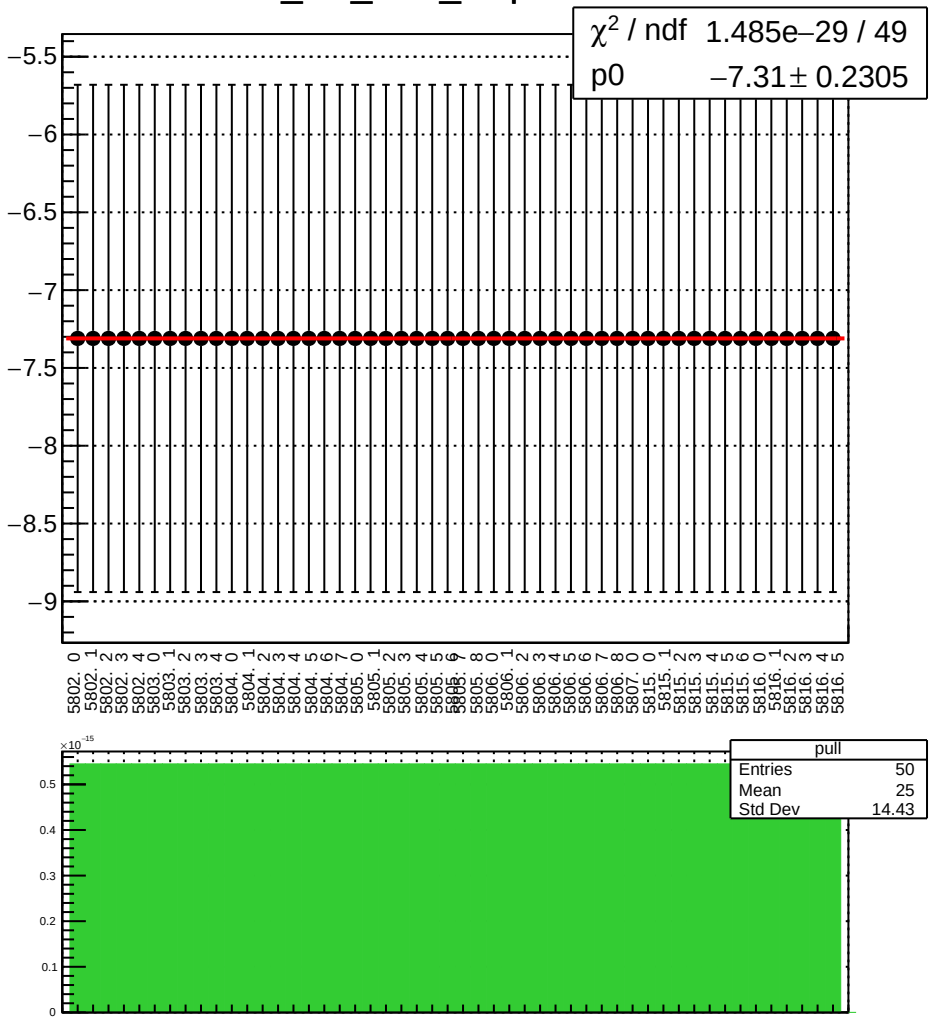

pull1D
Entries 50
Mean 3.449e−14
Std Dev1.405e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

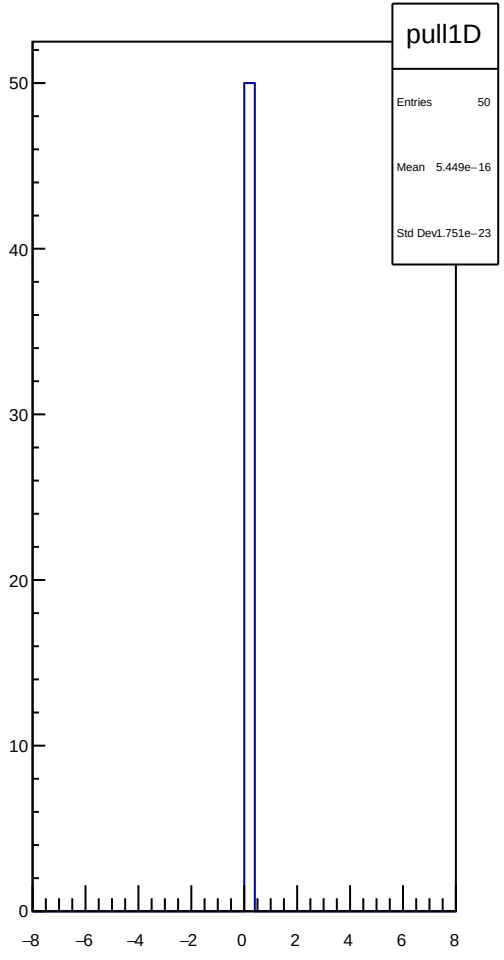

dit_usl_4eX_slope vs run
χ² / ndf 2.714e−26 / 49
p0 81.29 ± 0.345
84
83
82
81
80
79
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 50
Mean 25
Std Dev 14.43

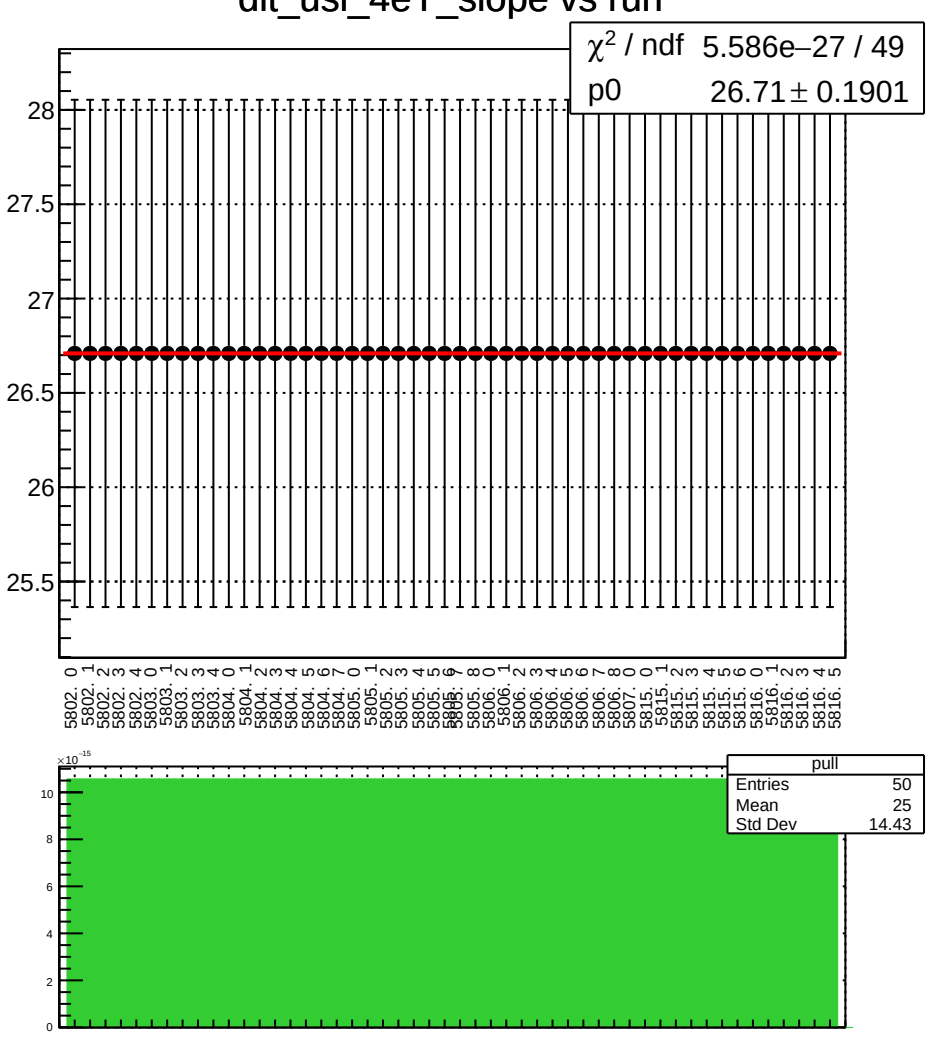

pull1D
Entries 50
Mean −2.33e−14
Std Dev7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

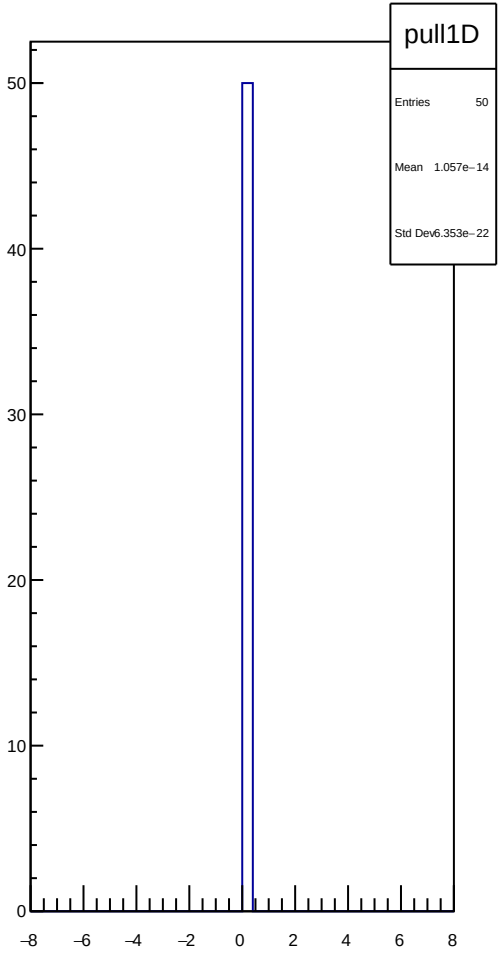

dit_usl_11X12X_slope vs run
χ² / ndf 5.996e−25 / 49
p0 −47.7 ± 0.06423
−47.2
−47.4
−47.6
−47.8
−48
−48.2
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

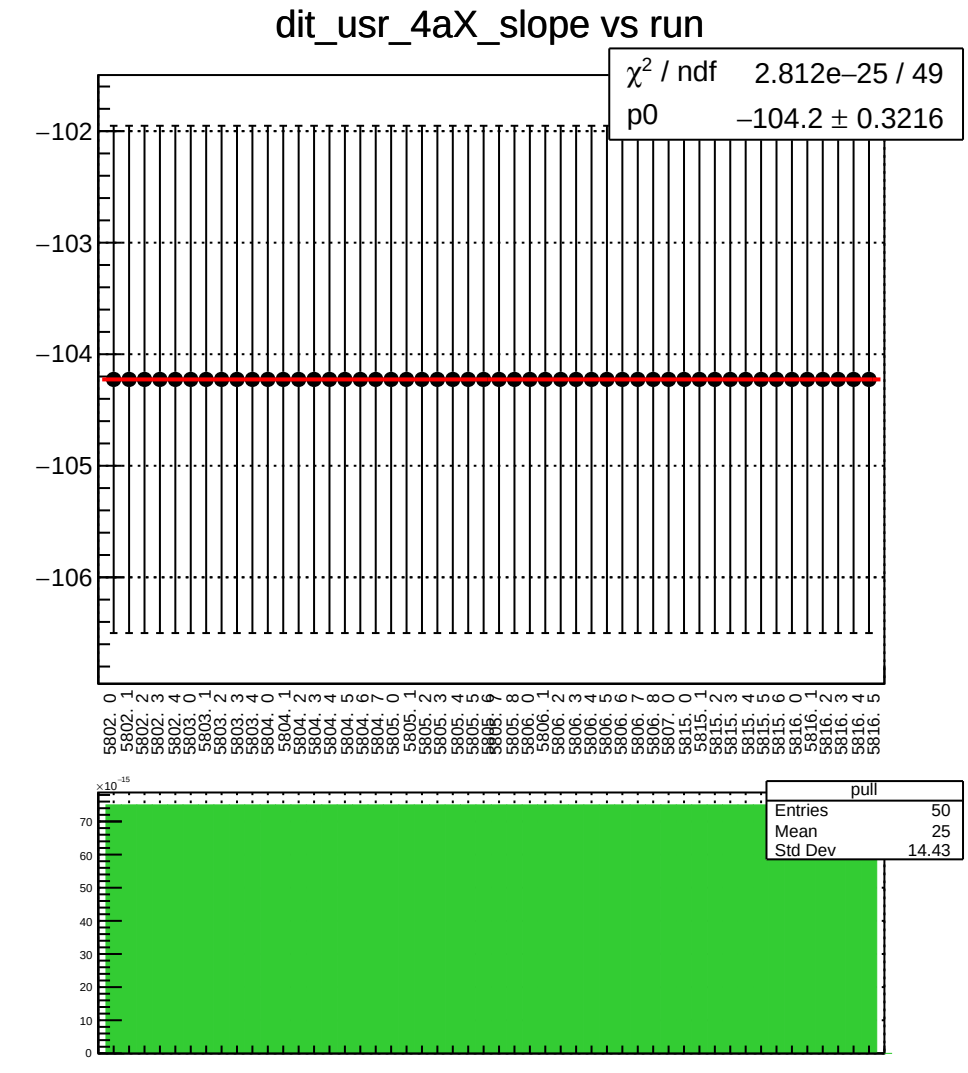

pull1D
Entries 50
Mean 1.095e−13
Std Dev 5.357e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

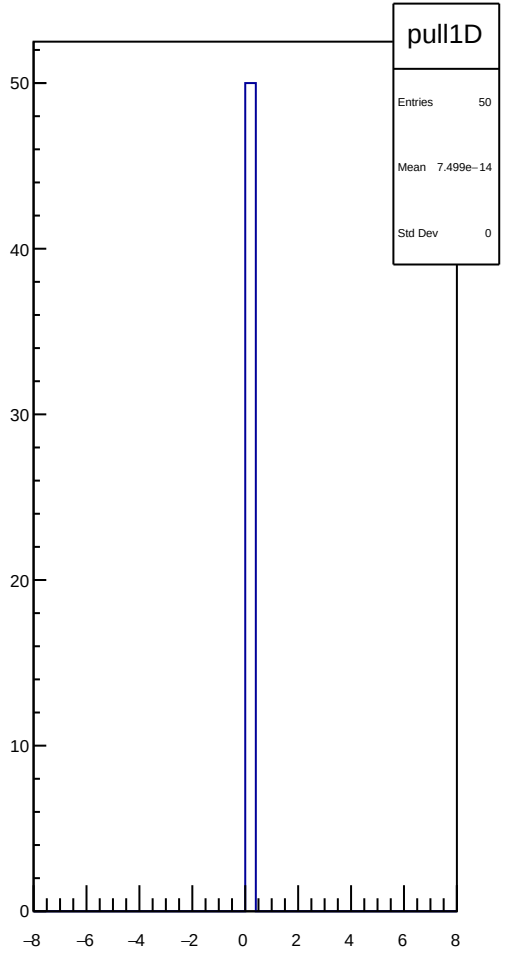

dit_usl_4aY_slope vs run
χ² / ndf 1.485e−29 / 49
p0 −7.31 ± 0.2305
−5.5
−6
−6.5
−7
−7.5
−8
−8.5
−9
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 50
Mean 25
Std Dev 14.43

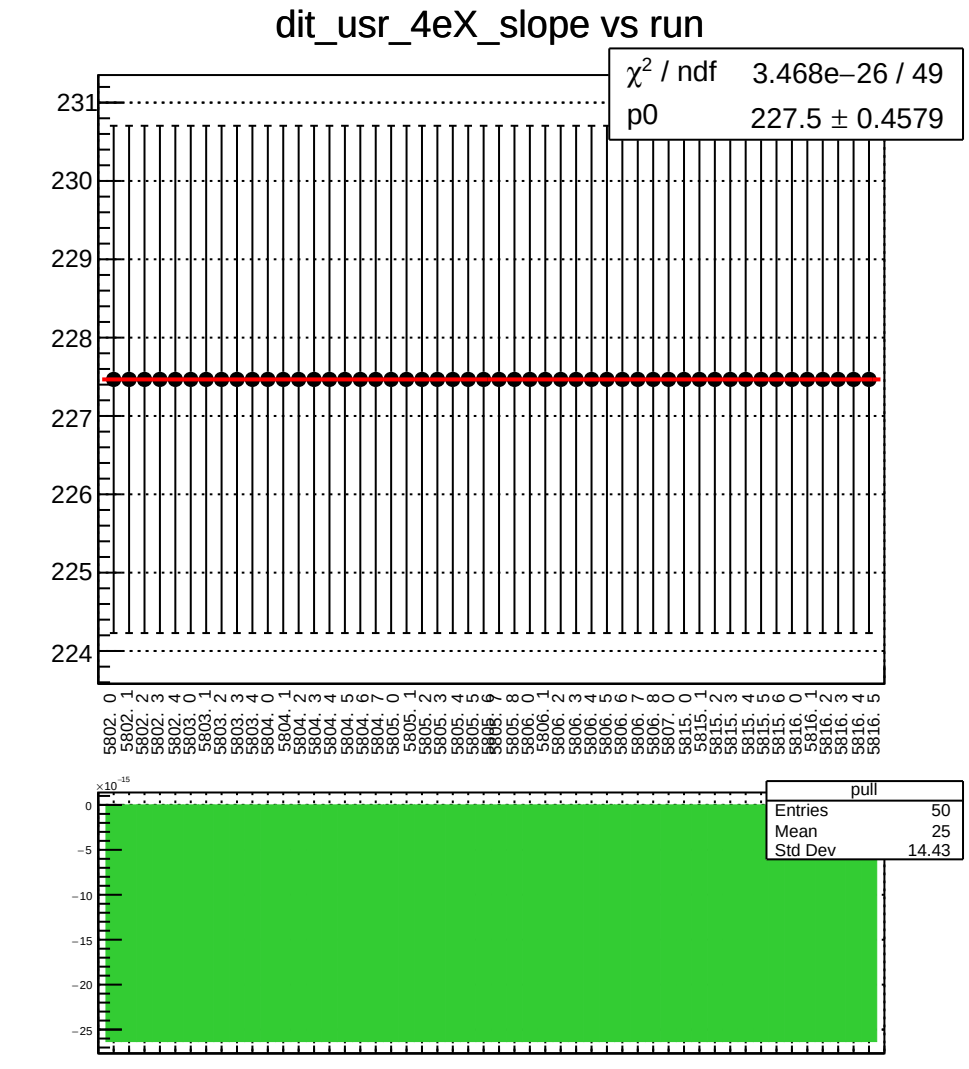

pull1D
Entries 50
Mean 5.449e−16
Std Dev1.751e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

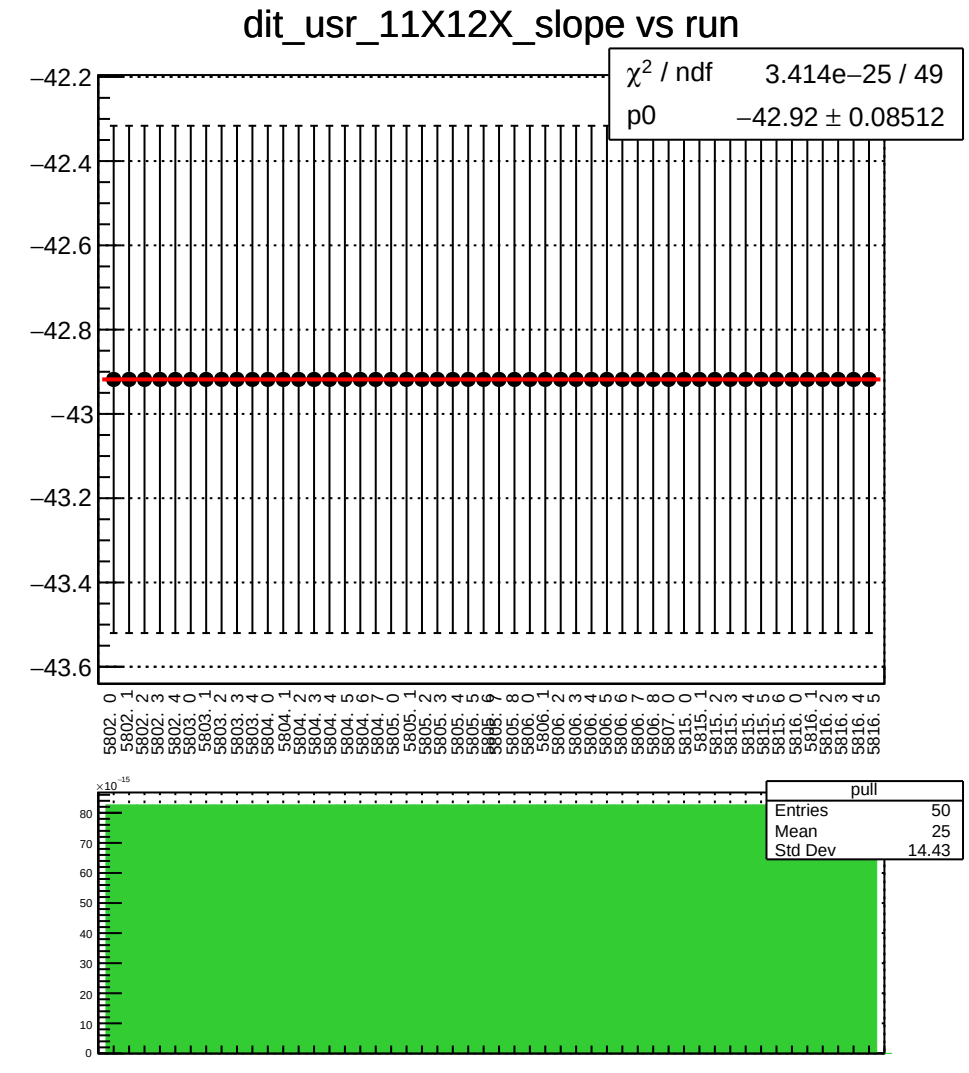

dit_usl_4eY_slope vs run
χ² / ndf 5.586e−27 / 49
p0 26.71 ± 0.1901
28
27.5
27
26.5
26
25.5
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43

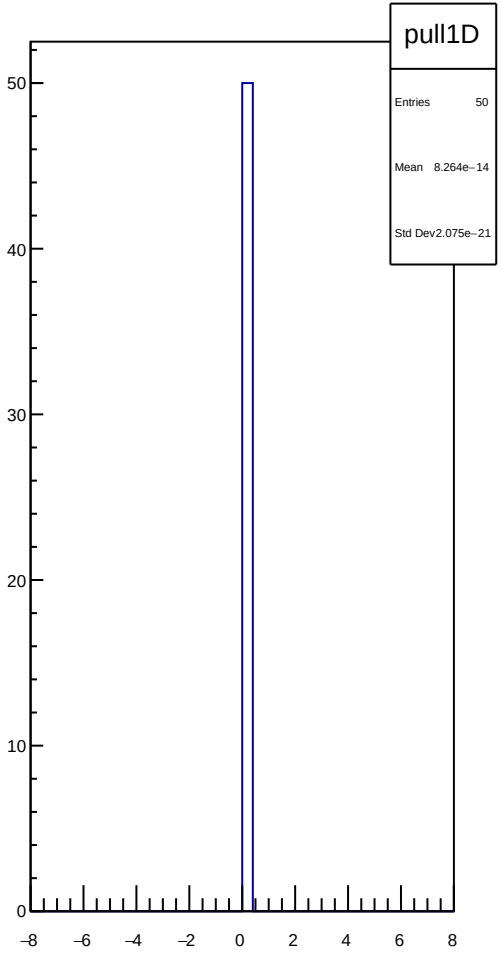

pull1D
Entries 50
Mean 1.057e−14
Std Dev 6.353e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

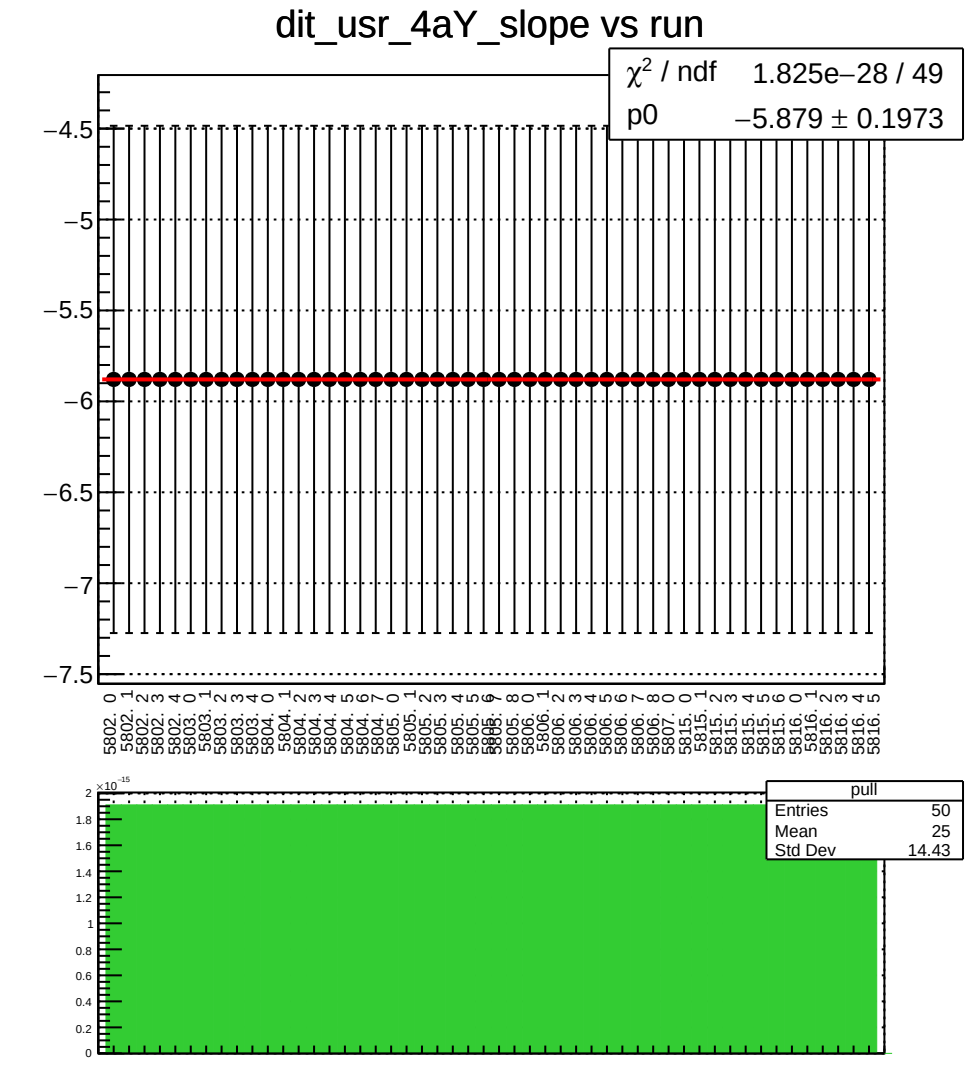

dit_usr_4aX_slope vs run
χ² / ndf 2.812e−25 / 49
p0 −104.2 ± 0.3216
−102
−103
−104
−105
−106
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
70
60
50
40
30
20
10
0

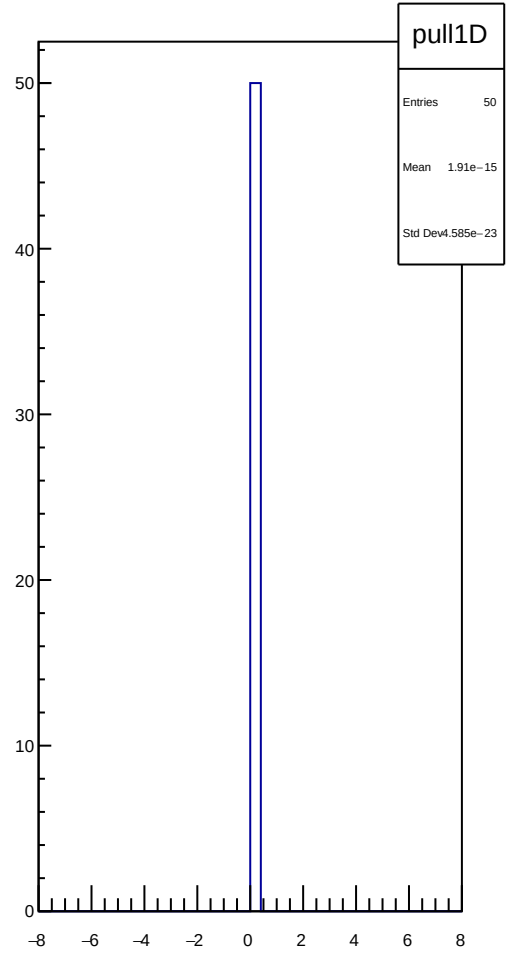

pull1D
Entries 50
Mean 7.499e−14
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

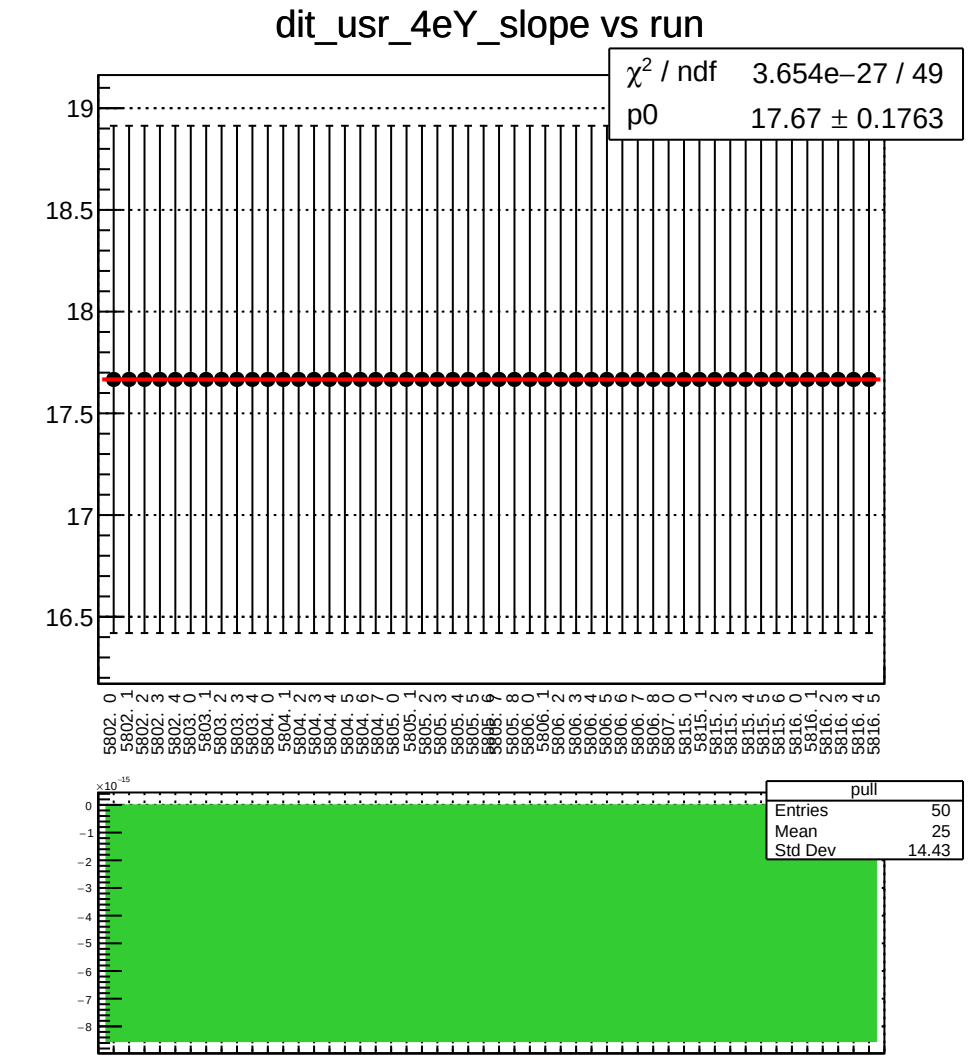

dit_usr_4eX_slope vs run
χ² / ndf 3.468e−26 / 49
p0 227.5 ± 0.4579
231
230
229
228
227
226
225
224
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −2.633e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_11X12X_slope vs run
χ² / ndf 3.414e−25 / 49
p0 −42.92 ± 0.08512
−42.2
−42.4
−42.6
−42.8
−43
−43.2
−43.4
−43.6
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵


pull1D
Entries 50
Mean 8.264e−14
Std Dev2.075e−21


dit_usr_4aY_slope vs run
χ² / ndf 1.825e−28 / 49
p0 −5.879 ± 0.1973
−4.5
−5
−5.5
−6
−6.5
−7
−7.5
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 50
Mean 1.91e−15
Std Dev 4.585e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_4eY_slope vs run
χ^2 / ndf 3.654e−27 / 49
p0 17.67 ± 0.1763
19
18.5
18
17.5
17
16.5
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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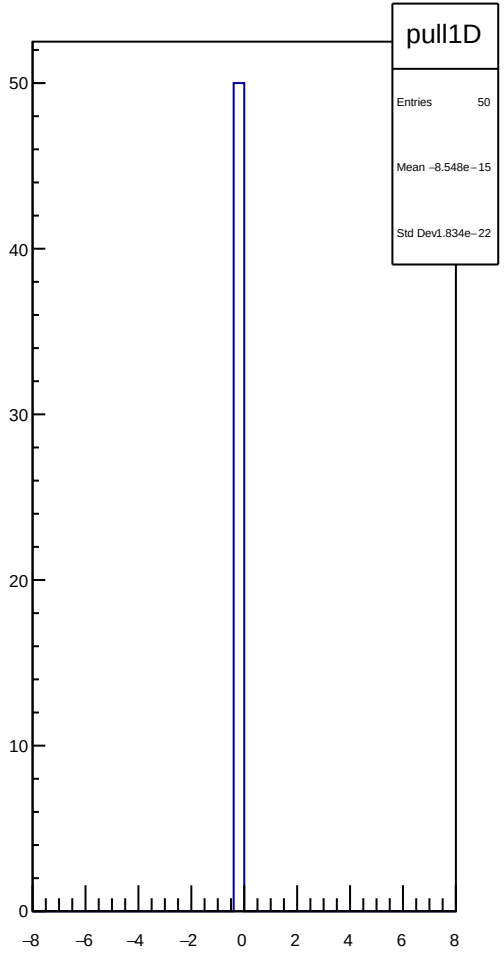
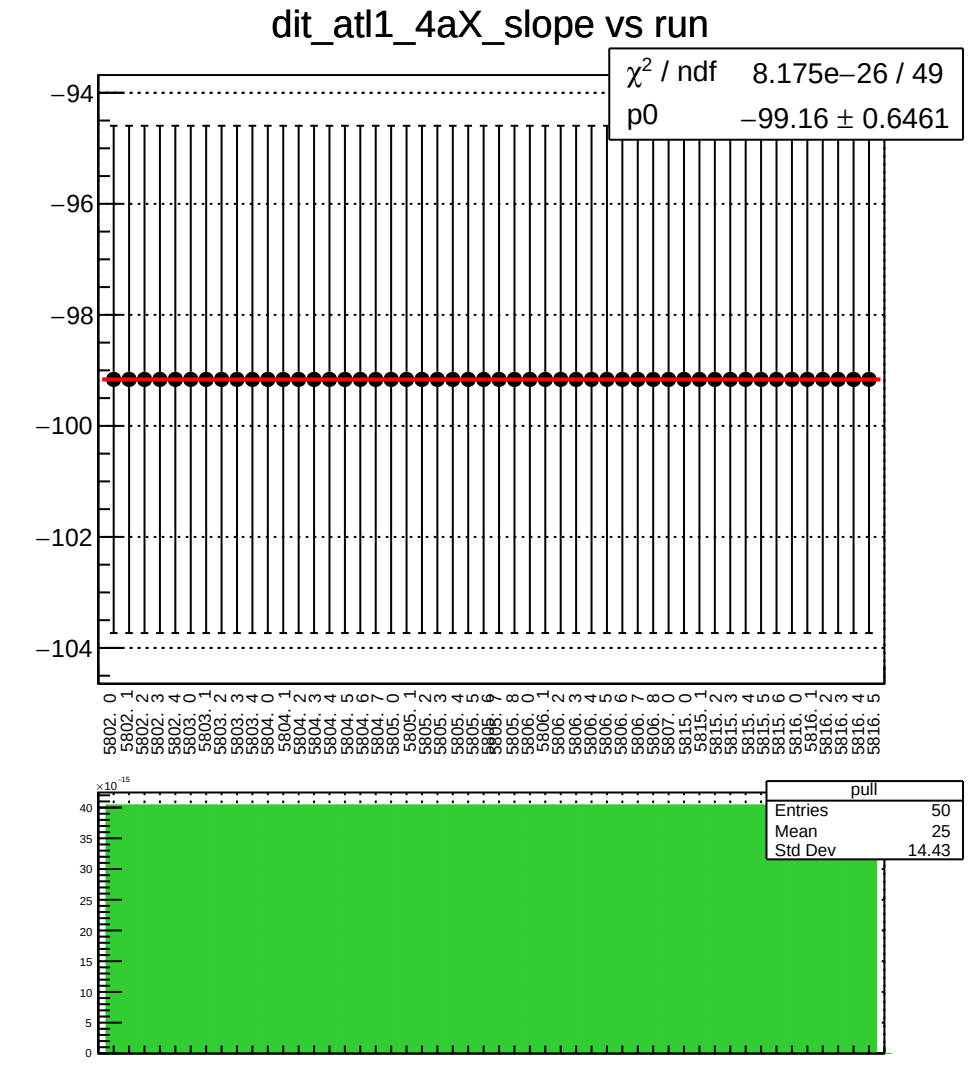
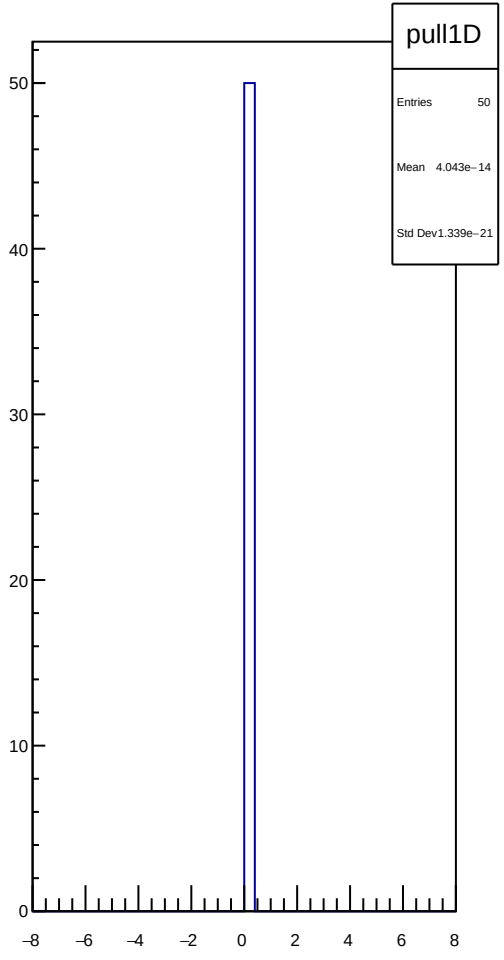
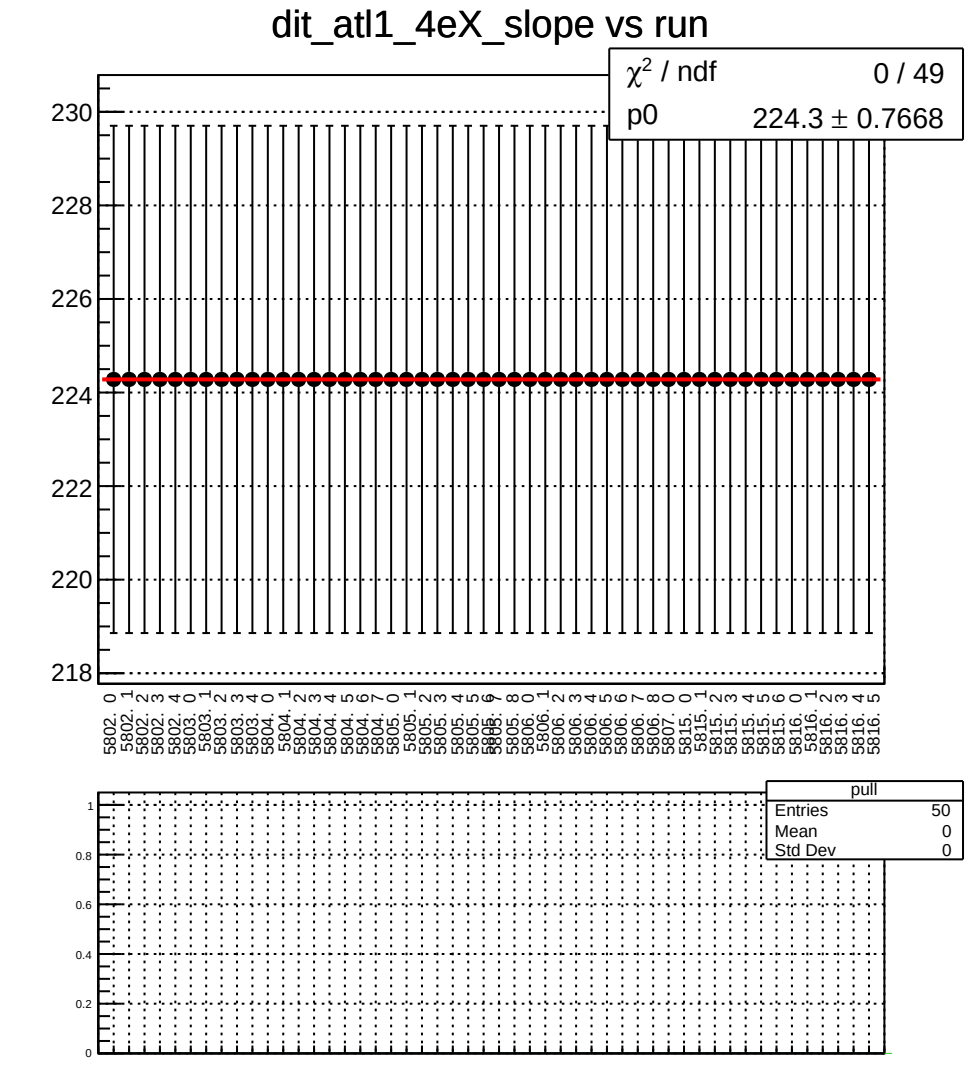
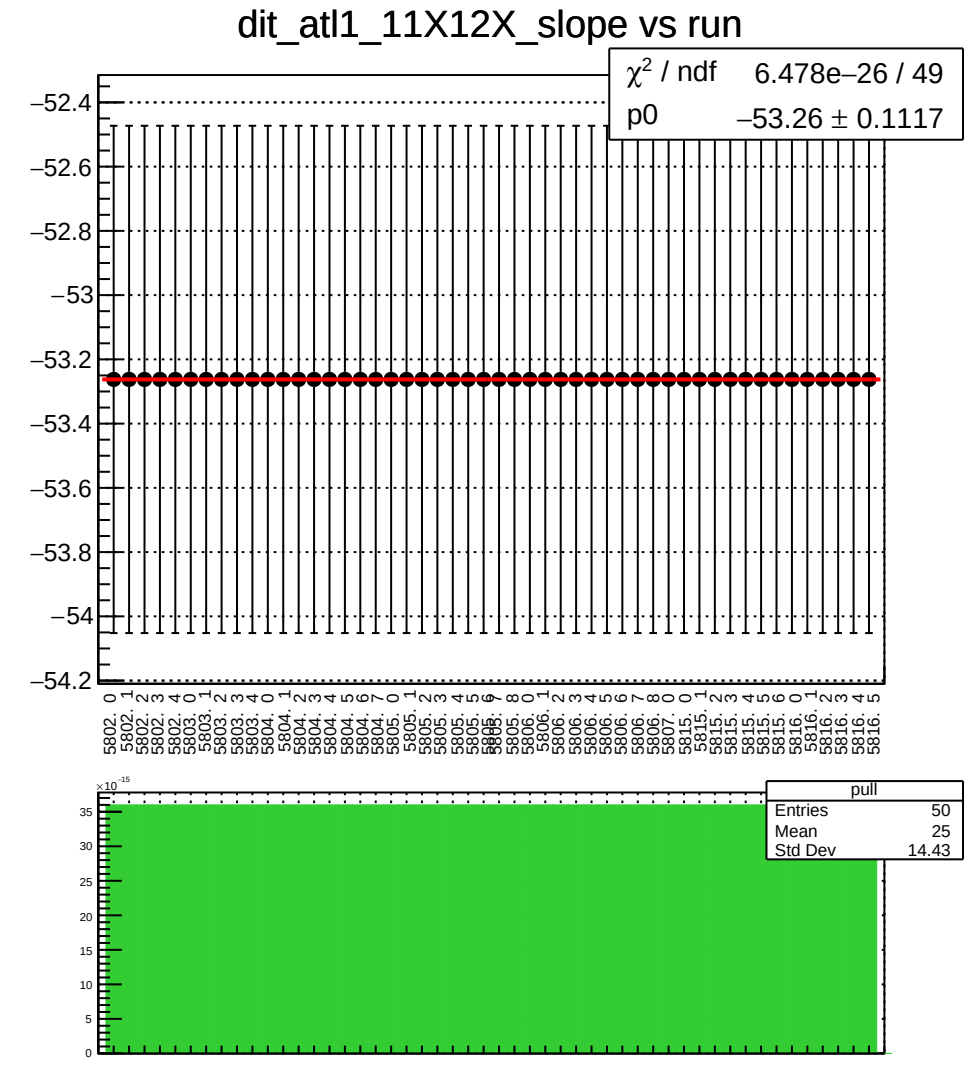
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10 -15
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 50
Mean 25
Std Dev 14.43

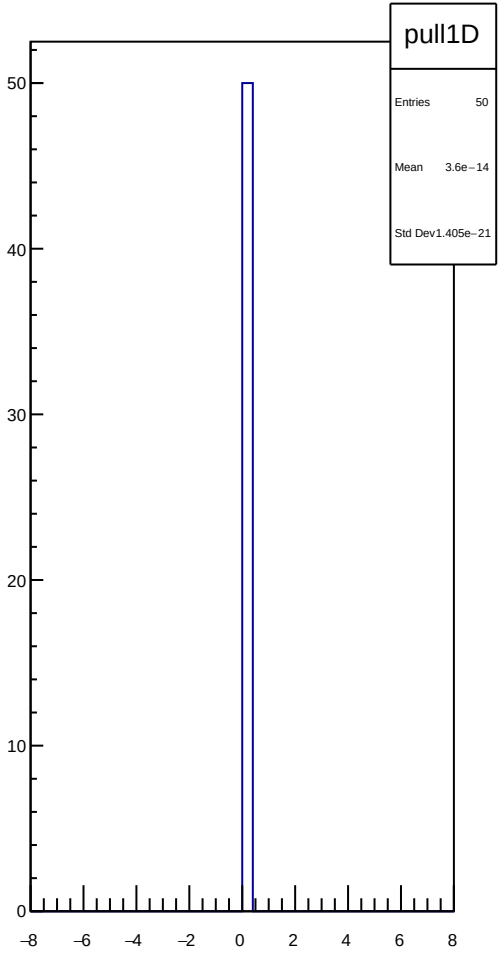

pull1D
Entries 50
Mean −8.548e−15
Std Dev1.834e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

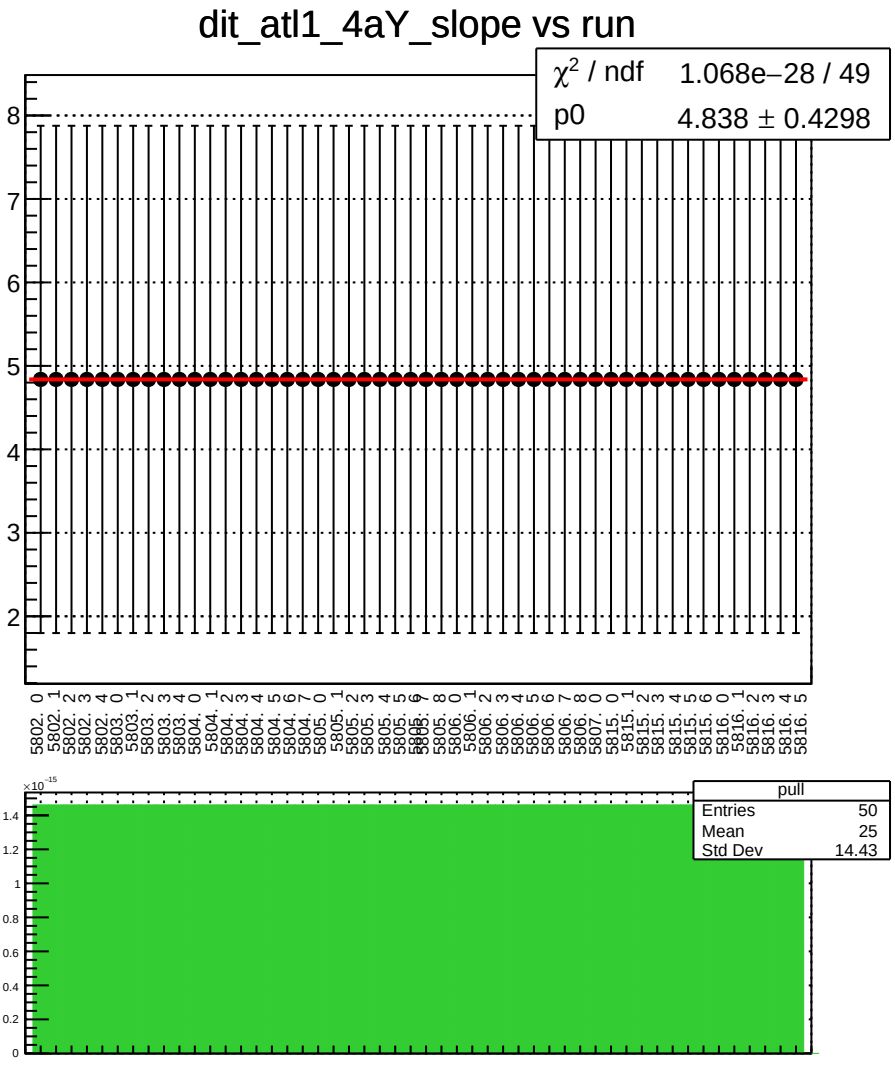

dit_atl1_4aX_slope vs run
χ² / ndf 8.175e−26 / 49
p0 −99.16 ± 0.6461
−94
−96
−98
−100
−102
−104
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 50
Mean 25
Std Dev 14.43

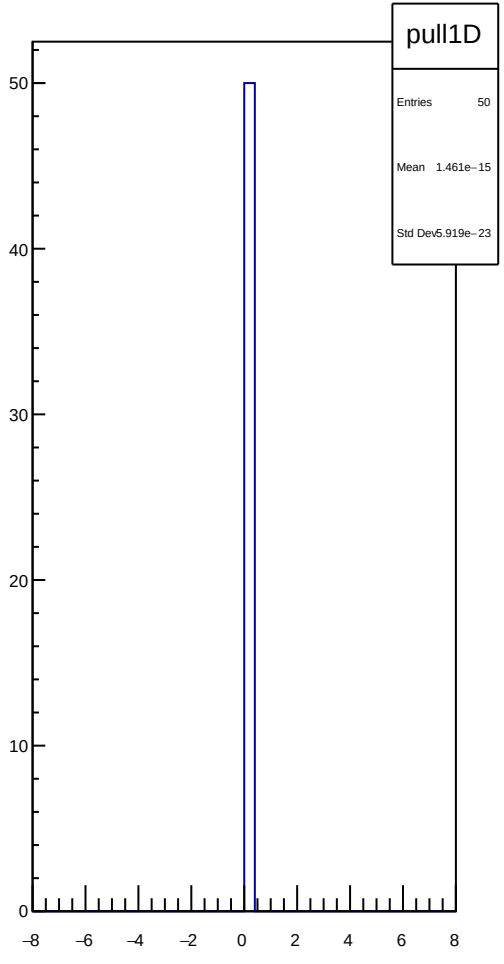

pull1D
Entries 50
Mean 4.043e−14
Std Dev 1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

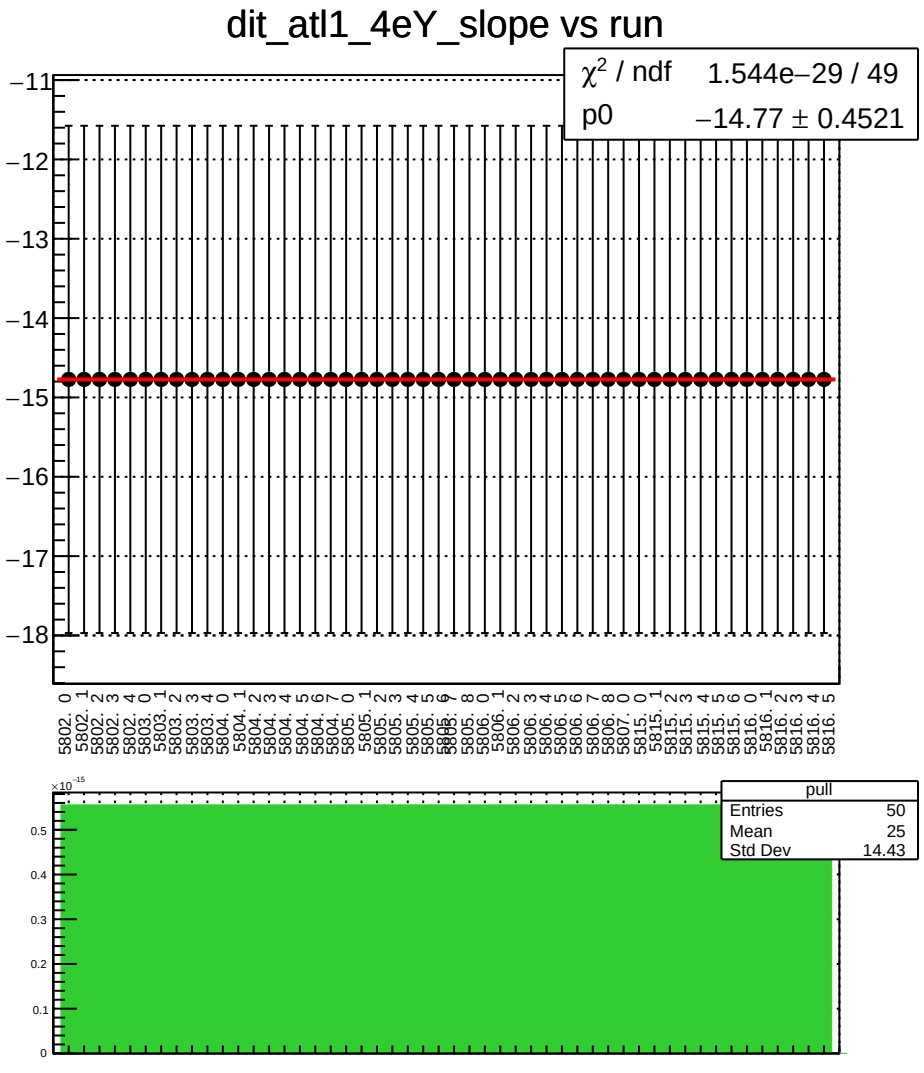

dit_atl1_4eX_slope vs run
χ² / ndf 0 / 49
p0 224.3 ± 0.7668
230
228
226
224
222
220
218
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

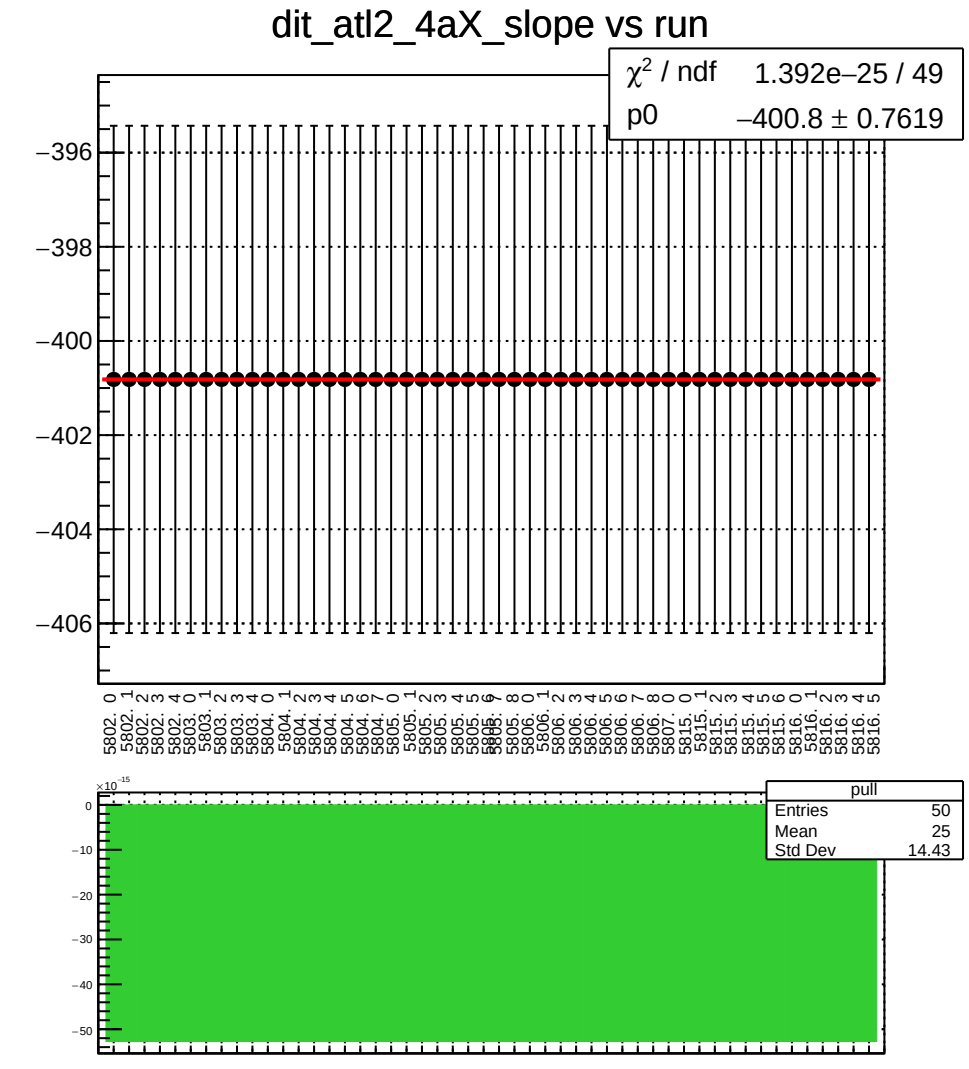

dit_atl1_11X12X_slope vs run
χ² / ndf 6.478e−26 / 49
p0 −53.26 ± 0.1117
−52.4
−52.6
−52.8
−53
−53.2
−53.4
−53.6
−53.8
−54
−54.2
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
35
30
25
20
15
10
5
0

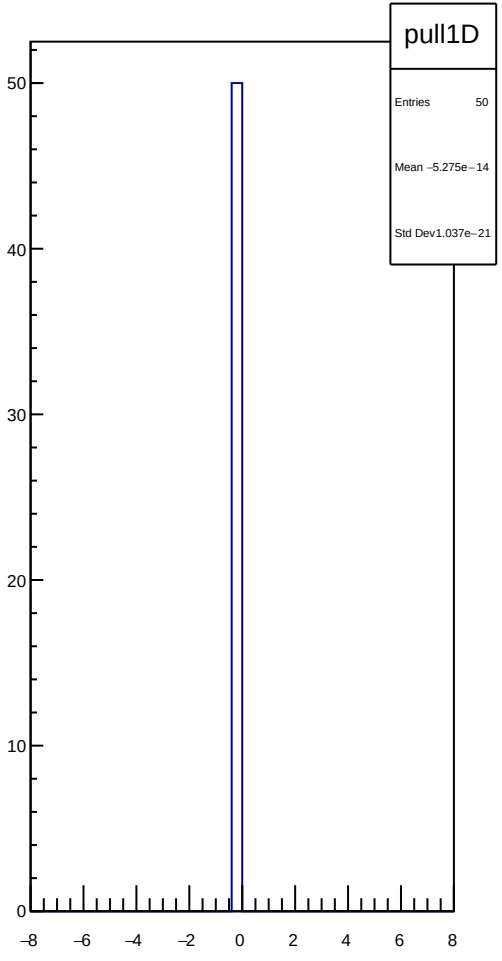

pull1D
Entries 50
Mean 3.6e−14
Std Dev 1.405e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

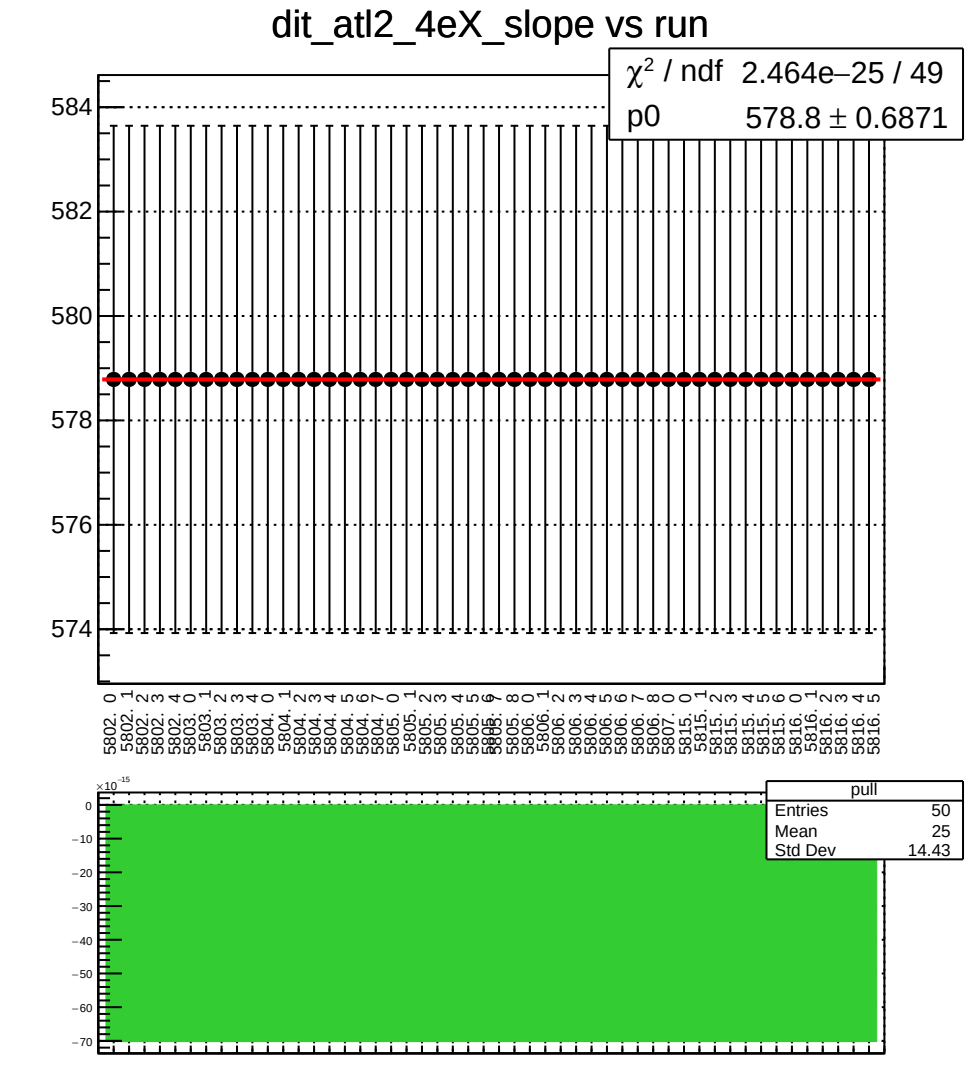

dit_atl1_4aY_slope vs run
χ² / ndf 1.068e−28 / 49
p0 4.838 ± 0.4298
pull
Entries 50
Mean 25
Std Dev 14.43

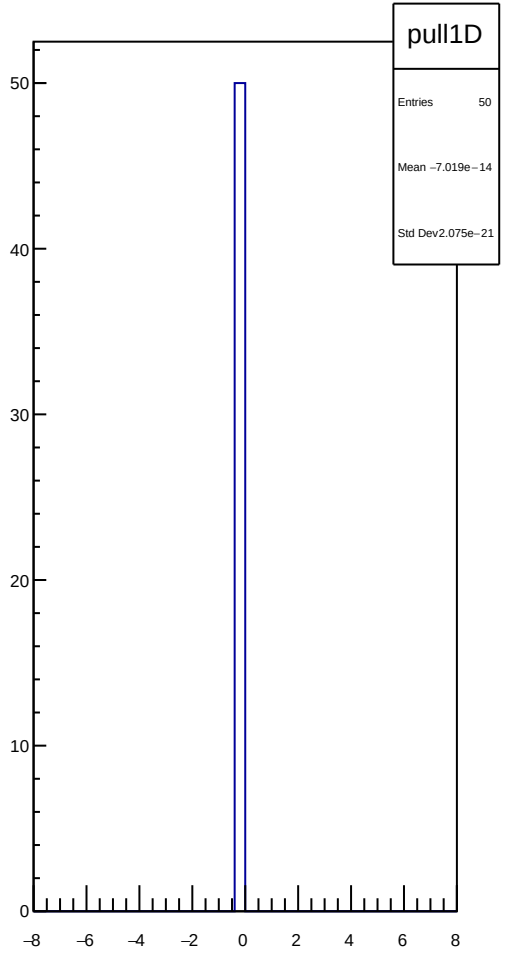

pull1D
Entries 50
Mean 1.461e−15
Std Dev 5.919e−23

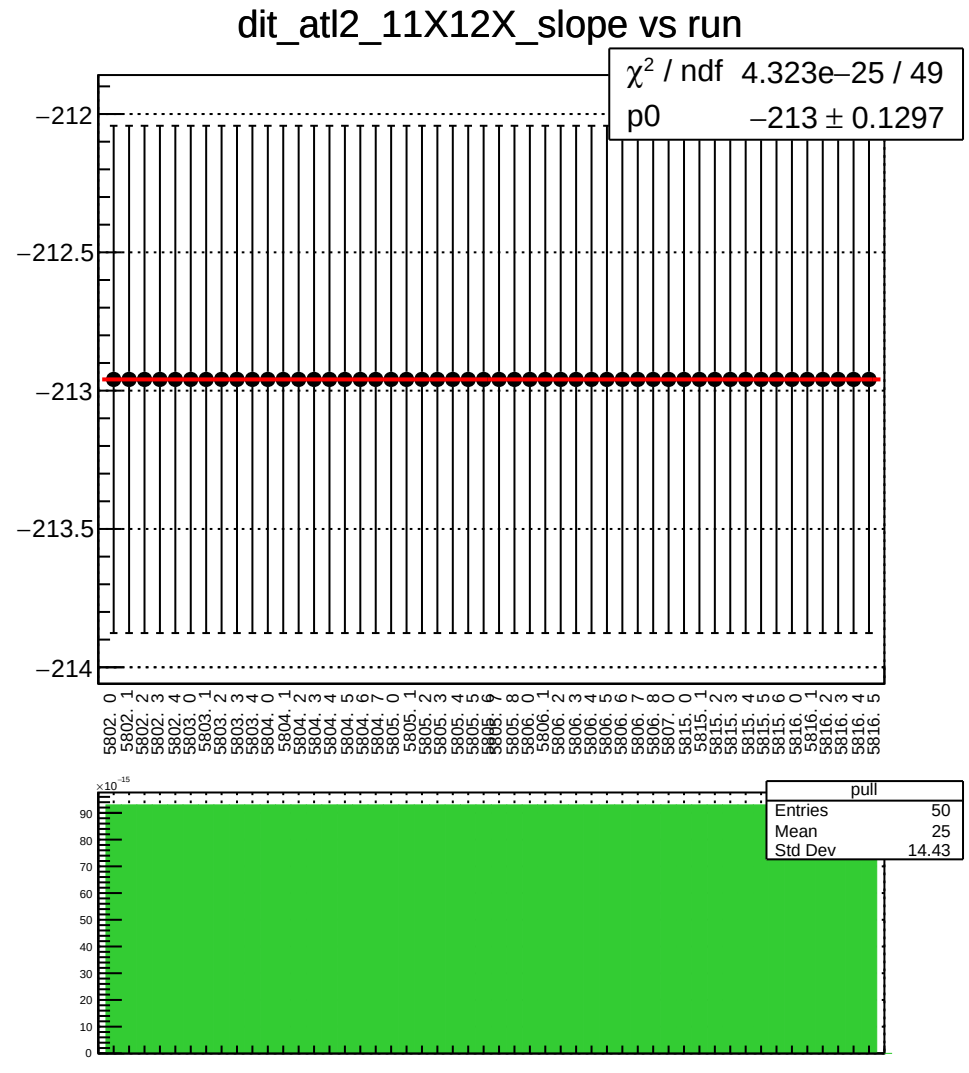

dit_atl1_4eY_slope vs run
χ² / ndf 1.544e−29 / 49
p0 −14.77 ± 0.4521
−11
−12
−13
−14
−15
−16
−17
−18
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 5.557e−16
Std Dev1.146e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

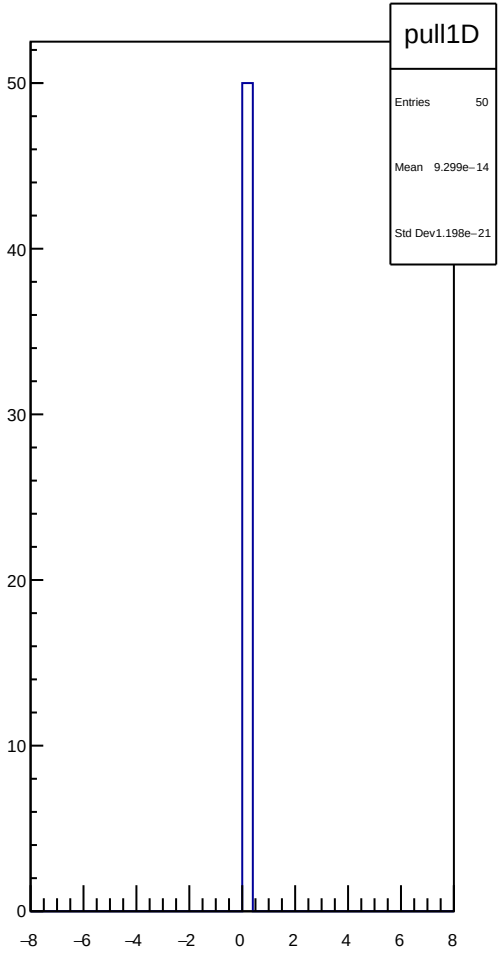

dit_atl2_4aX_slope vs run
χ² / ndf 1.392e−25 / 49
p0 −400.8 ± 0.7619
−396
−398
−400
−402
−404
−406
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−10
−20
−30
−40
−50

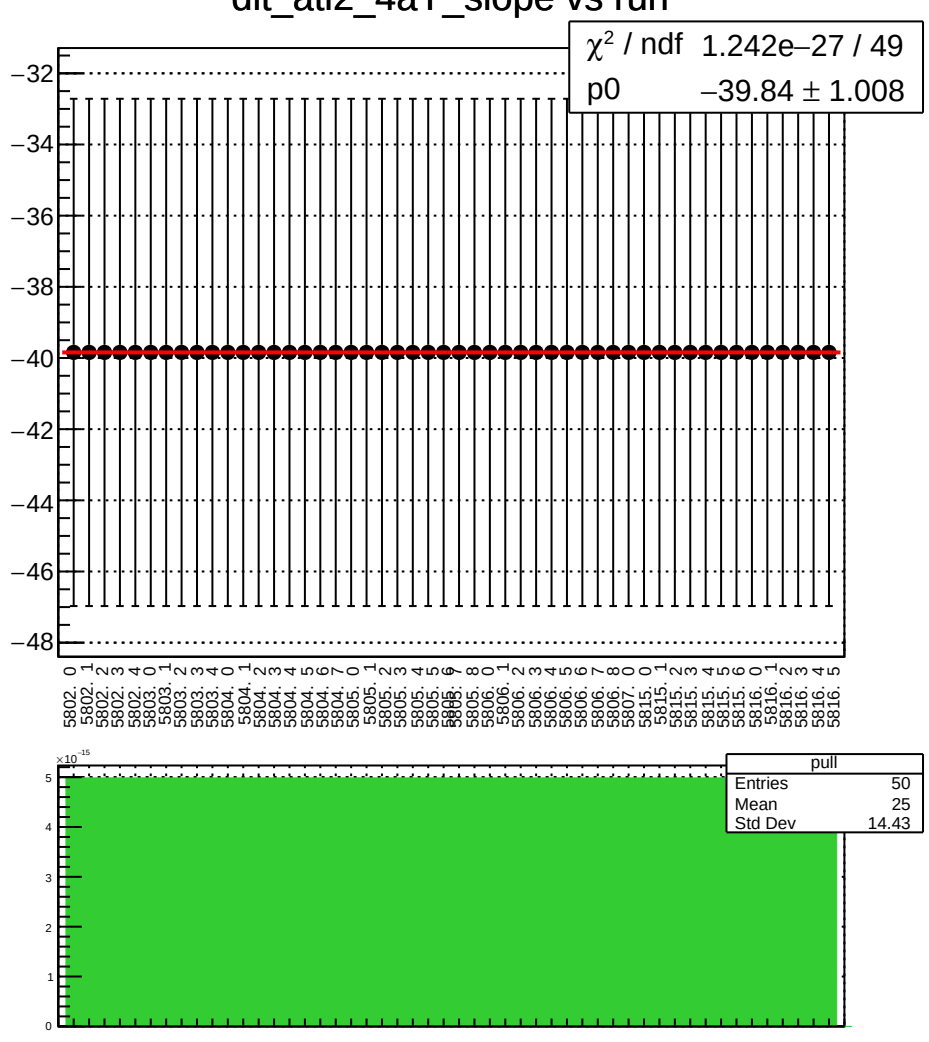

pull1D
Entries 50
Mean −5.275e−14
Std Dev1.037e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

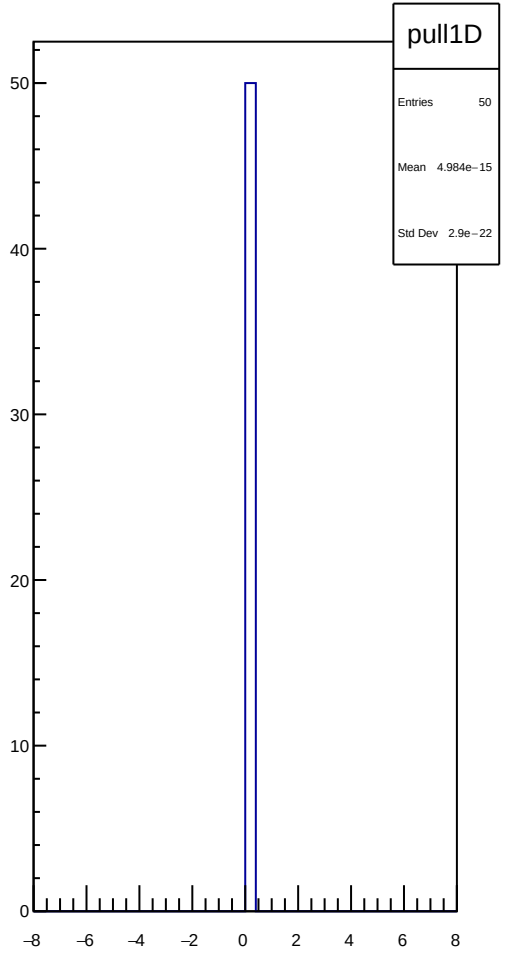

dit_atl2_4eX_slope vs run
χ² / ndf 2.464e−25 / 49
p0 578.8 ± 0.6871
584
582
580
578
576
574
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

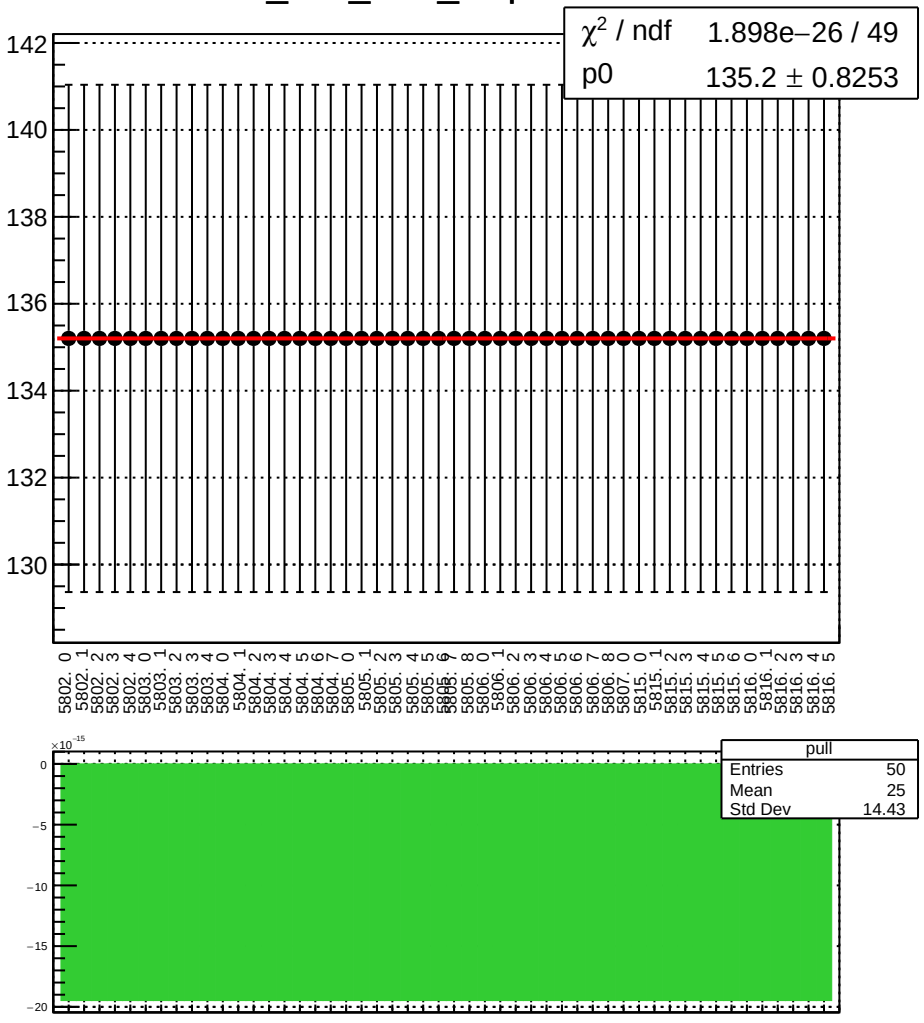

pull1D
Entries 50
Mean −7.019e−14
Std Dev2.075e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

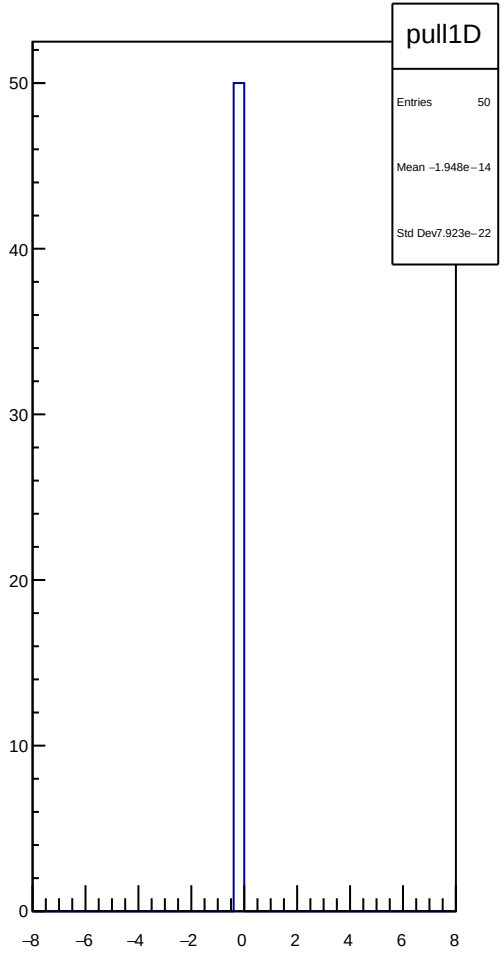

dit_atl2_11X12X_slope vs run
χ² / ndf 4.323e−25 / 49
p0 −213 ± 0.1297
−212
−212.5
−213
−213.5
−214
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵

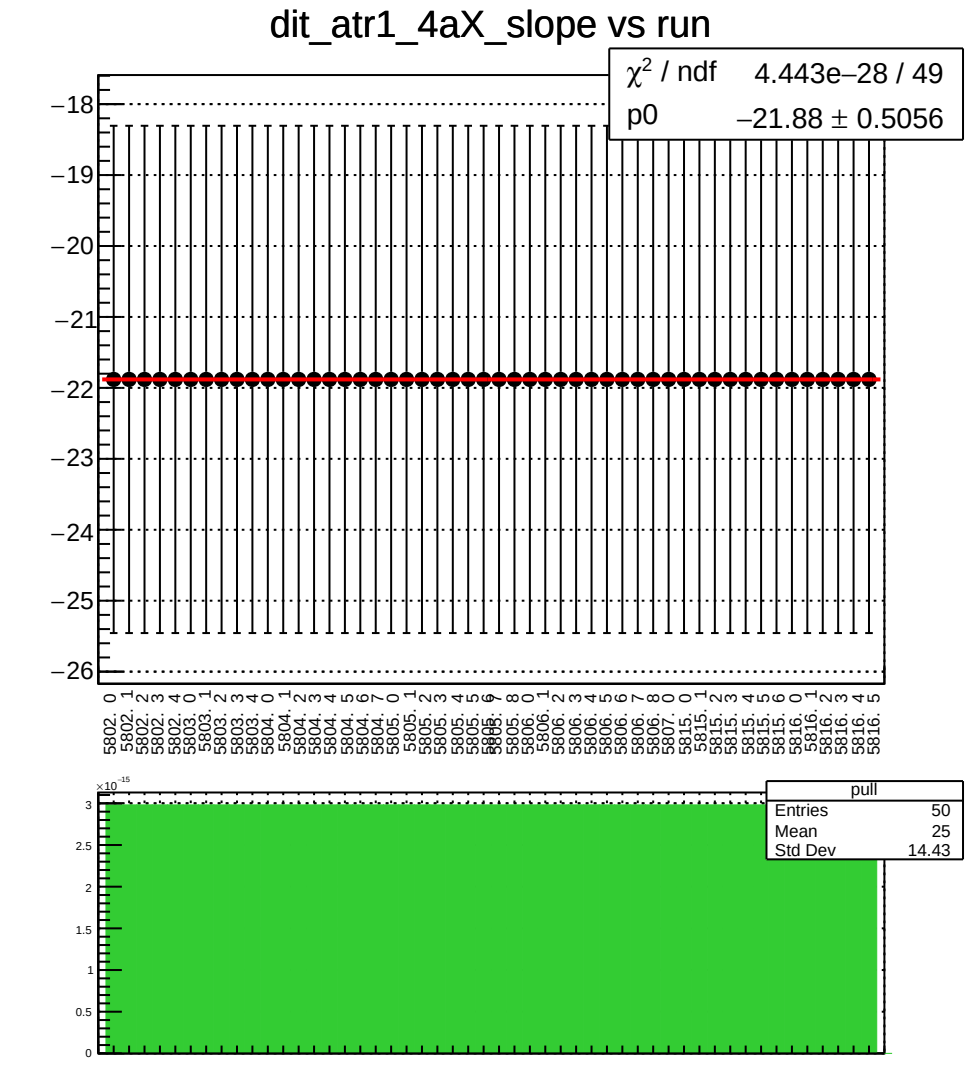

pull1D
Entries 50
Mean 9.299e−14
Std Dev1.198e−21

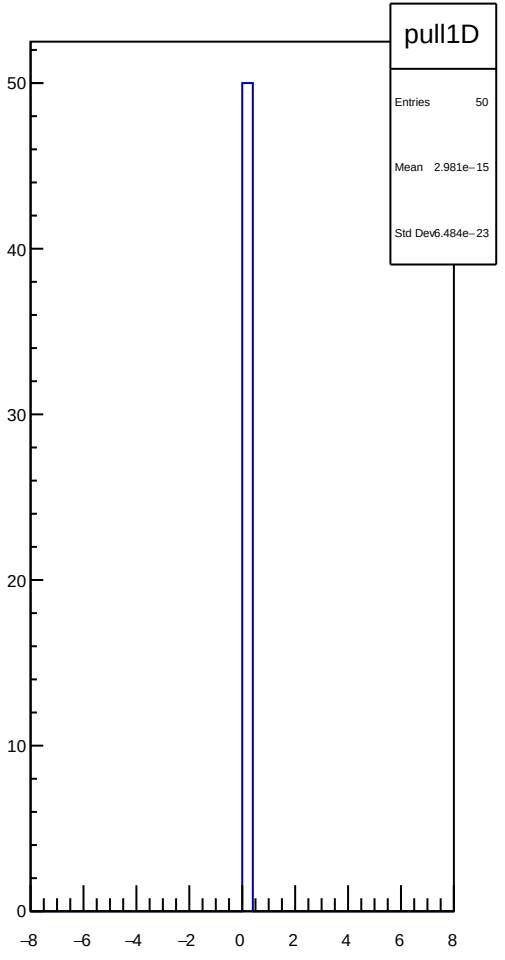

dit_atl2_4aY_slope vs run
χ² / ndf 1.242e−27 / 49
p0 −39.84 ± 1.008
pull
Entries 50
Mean 25
Std Dev 14.43

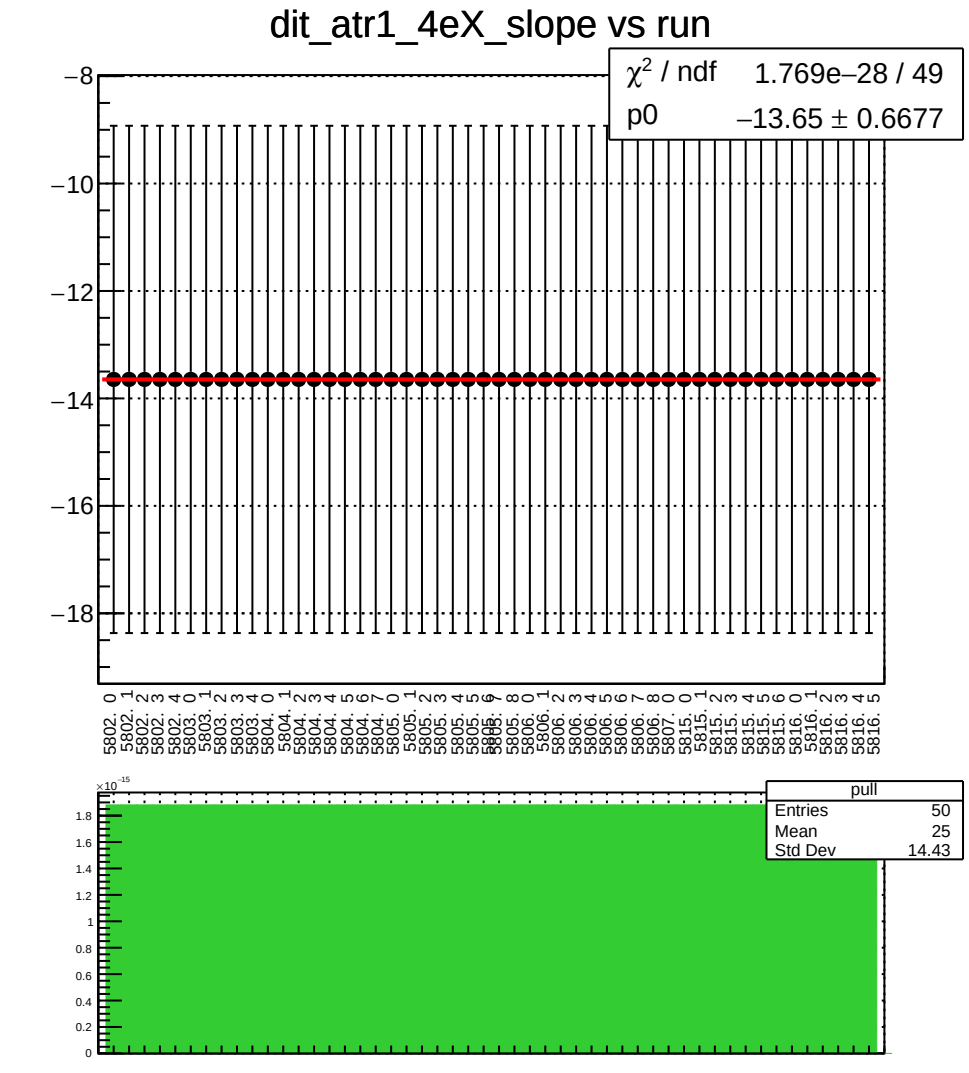

pull1D
Entries 50
Mean 4.984e−15
Std Dev 2.9e−22

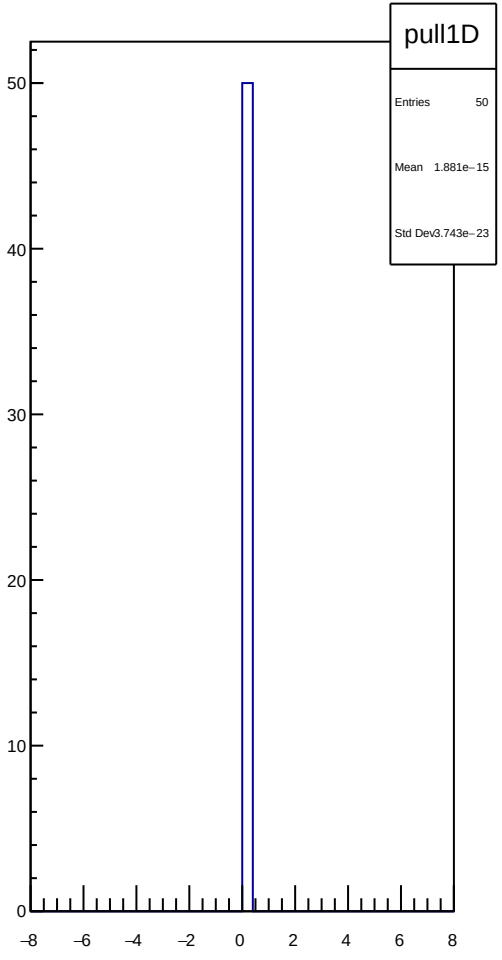

dit_atl2_4eY_slope vs run
χ² / ndf 1.898e−26 / 49
p0 135.2 ± 0.8253
142
140
138
136
134
132
130
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 50
Mean 25
Std Dev 14.43

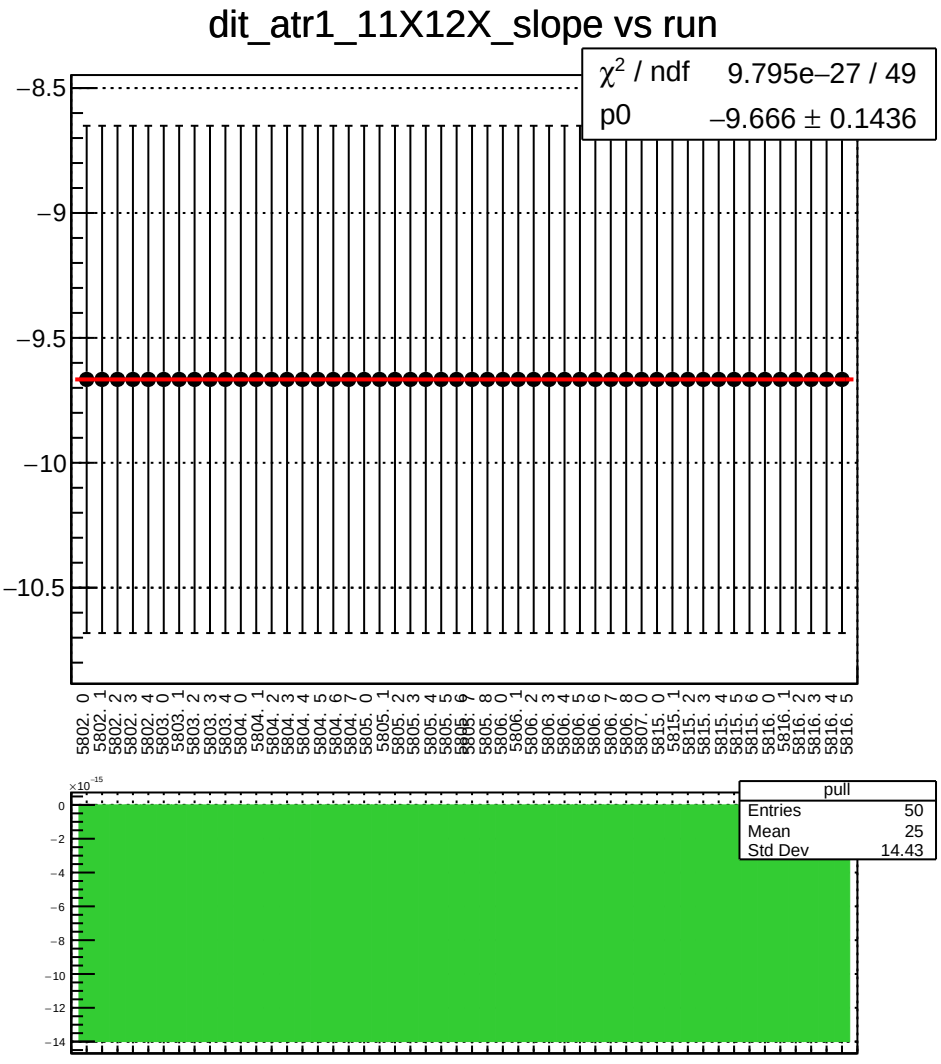

pull1D
Entries 50
Mean −1.948e−14
Std Dev7.923e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

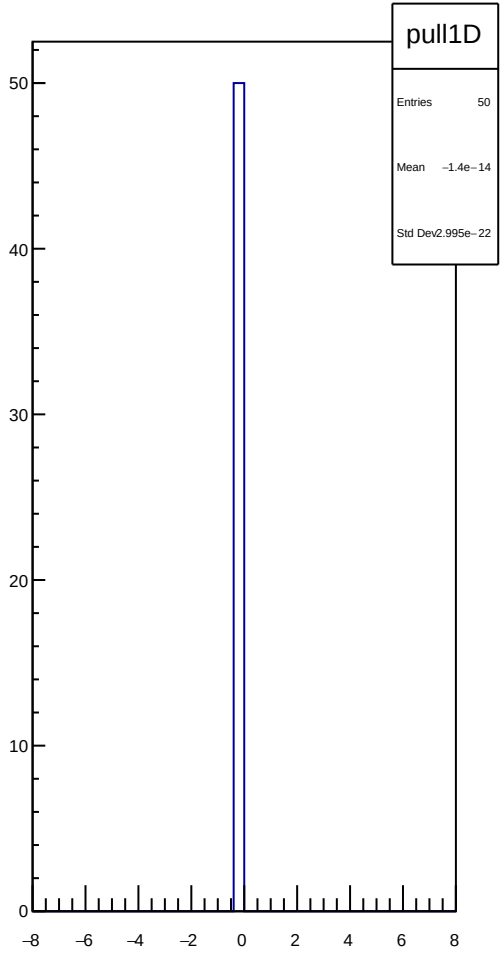

dit_atr1_4aX_slope vs run
χ² / ndf 4.443e−28 / 49
p0 −21.88 ± 0.5056
pull
Entries 50
Mean 25
Std Dev 14.43

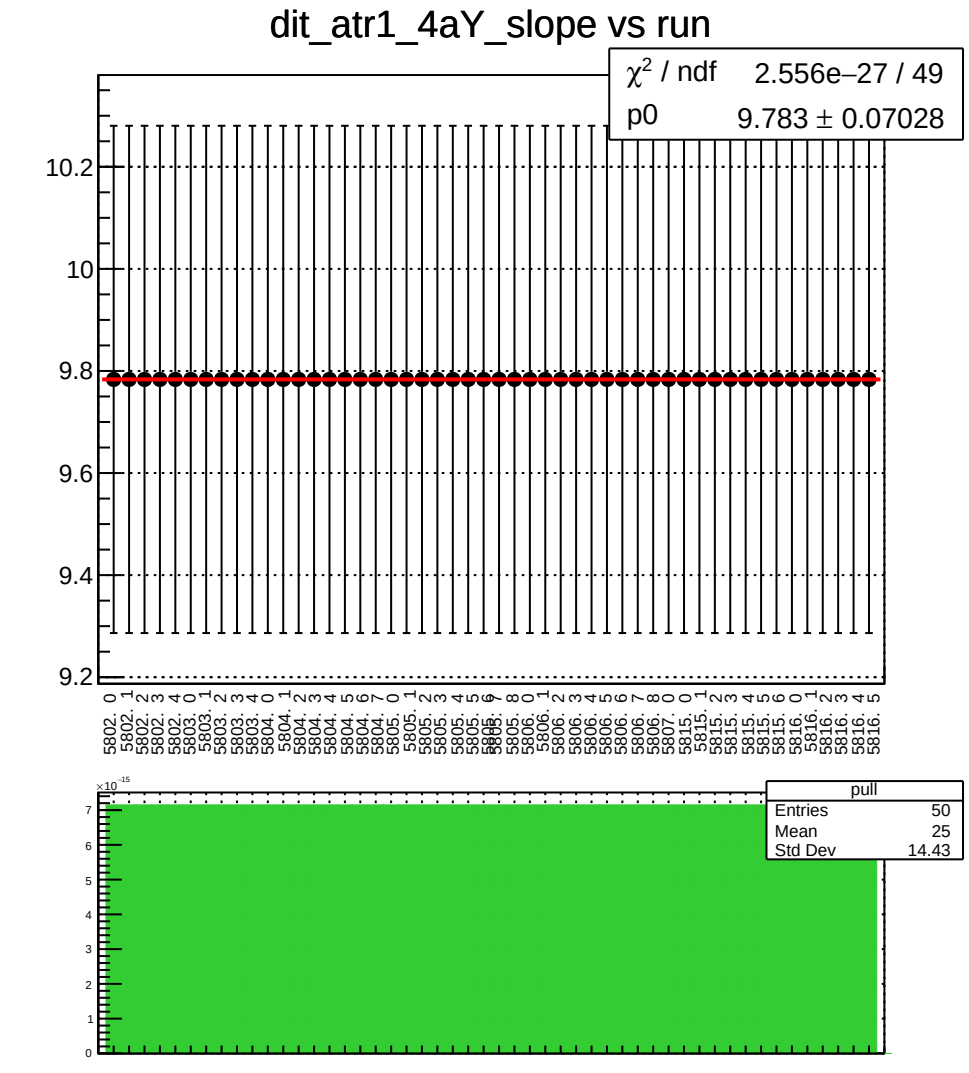

pull1D
Entries 50
Mean 2.981e−15
Std Dev 6.484e−23

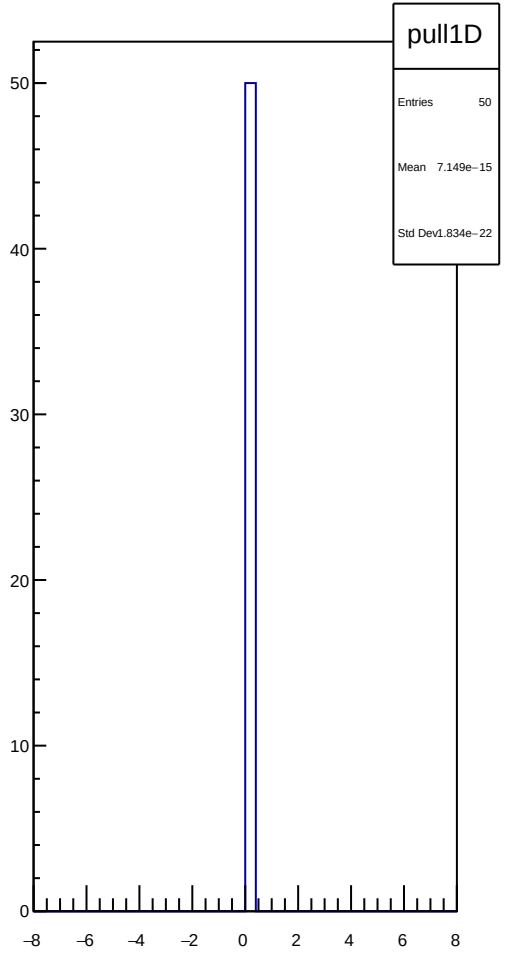

dit_atr1_4eX_slope vs run
χ² / ndf 1.769e−28 / 49
p0 −13.65 ± 0.6677
−8
−10
−12
−14
−16
−18
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 50
Mean 25
Std Dev 14.43

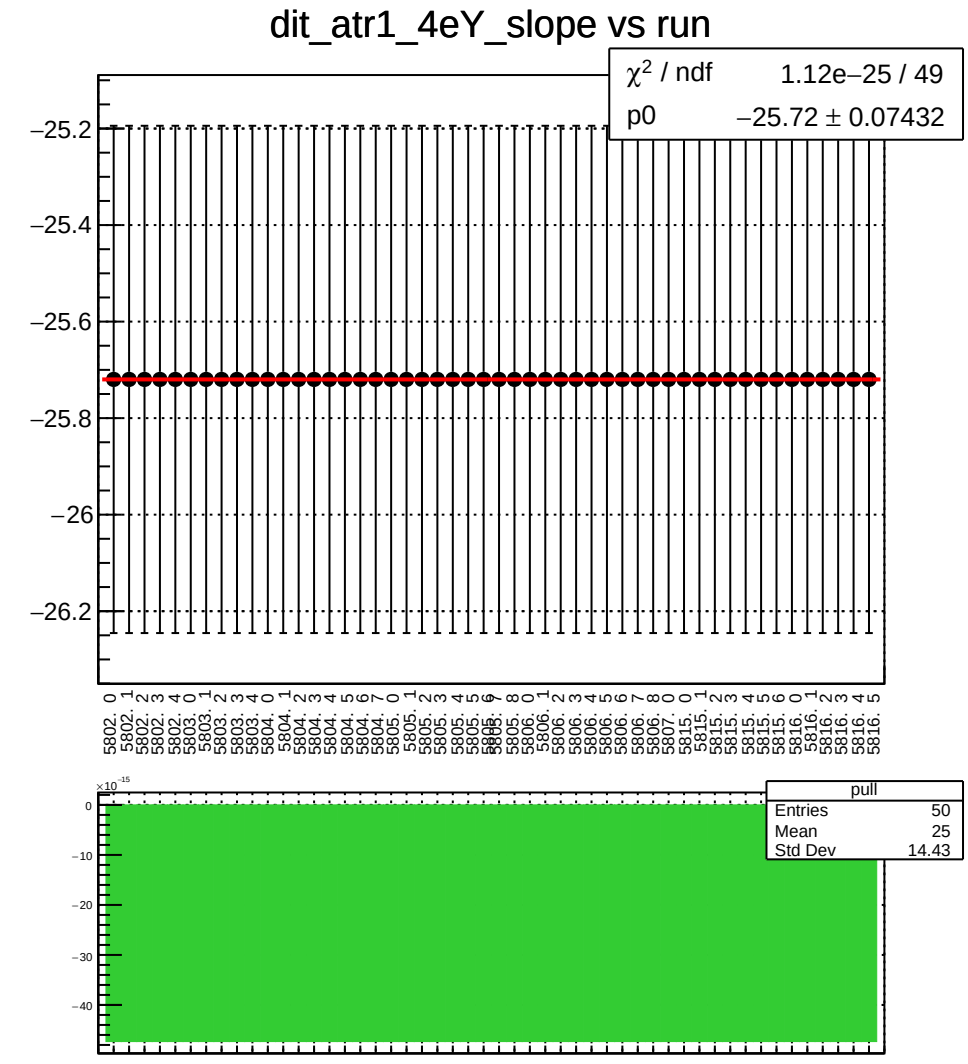

pull1D
Entries 50
Mean 1.881e−15
Std Dev3.743e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

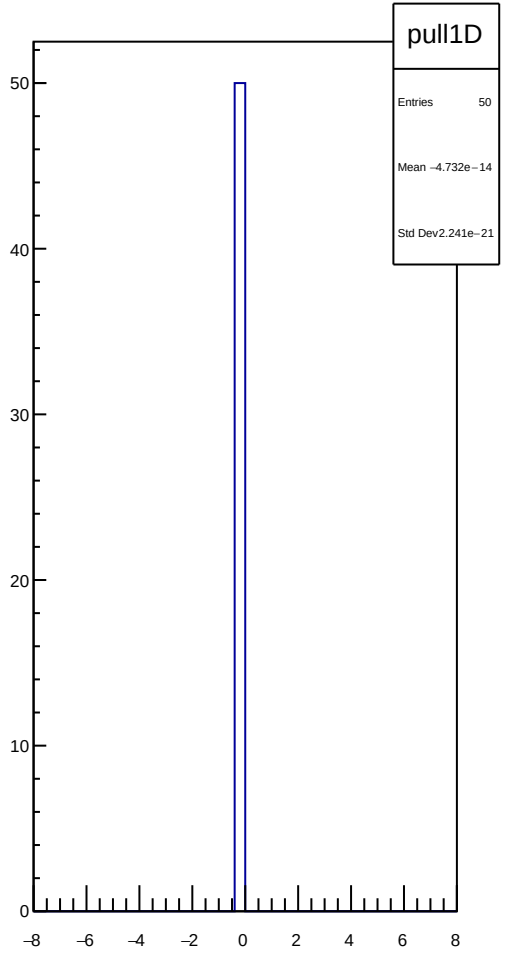

dit_atr1_11X12X_slope vs run
χ² / ndf 9.795e−27 / 49
p0 −9.666 ± 0.1436
−8.5
−9
−9.5
−10
−10.5
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 50
Mean 25
Std Dev 14.43

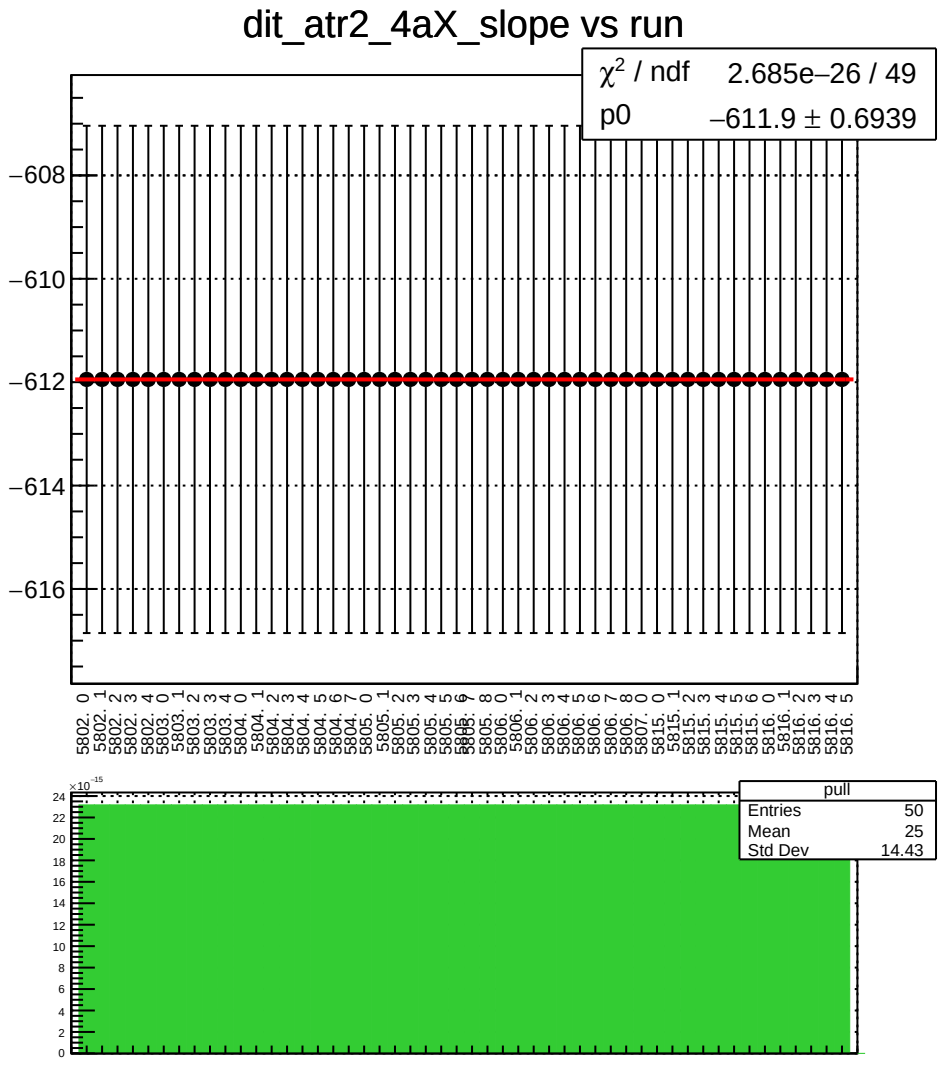

pull1D
Entries 50
Mean −1.4e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

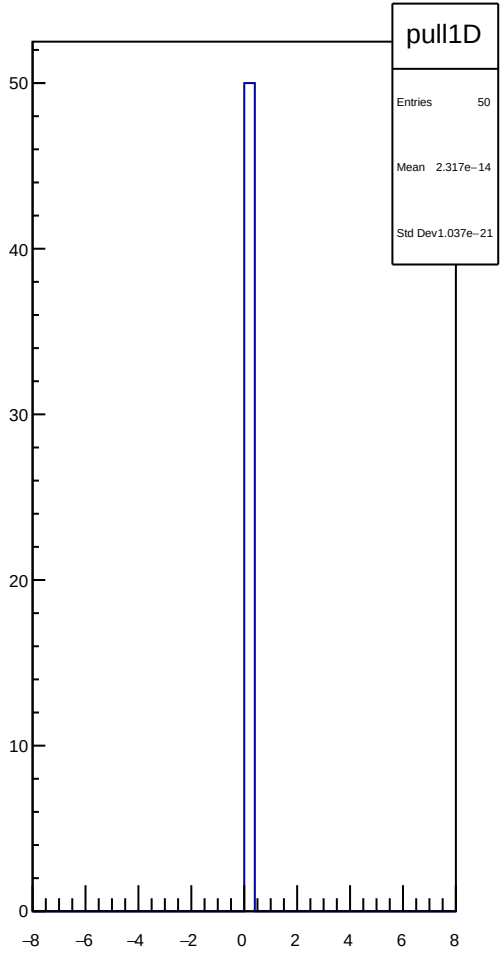

dit_atr1_4aY_slope vs run
χ² / ndf 2.556e−27 / 49
p0 9.783 ± 0.07028
10.2
10
9.8
9.6
9.4
9.2
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
7
6
5
4
3
2
1
0

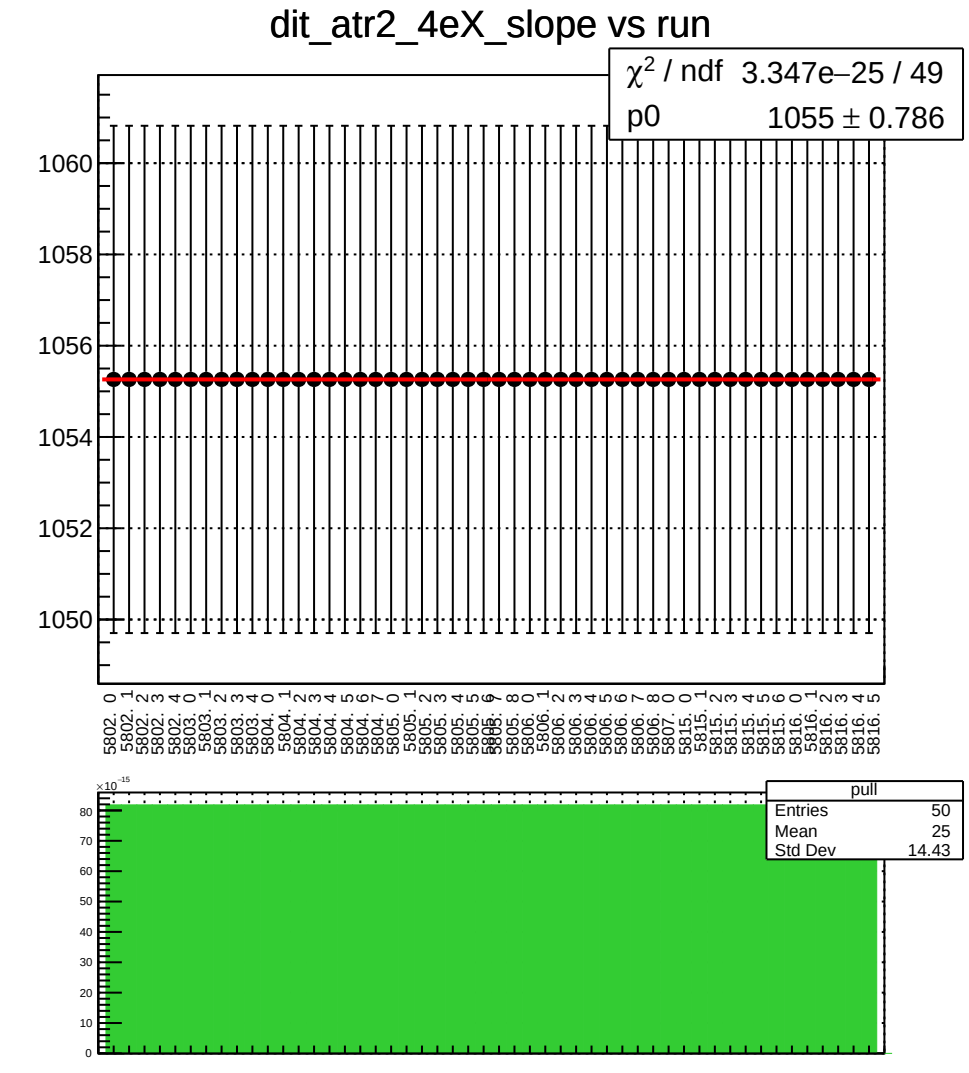

pull1D
Entries 50
Mean 7.149e−15
Std Dev1.834e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

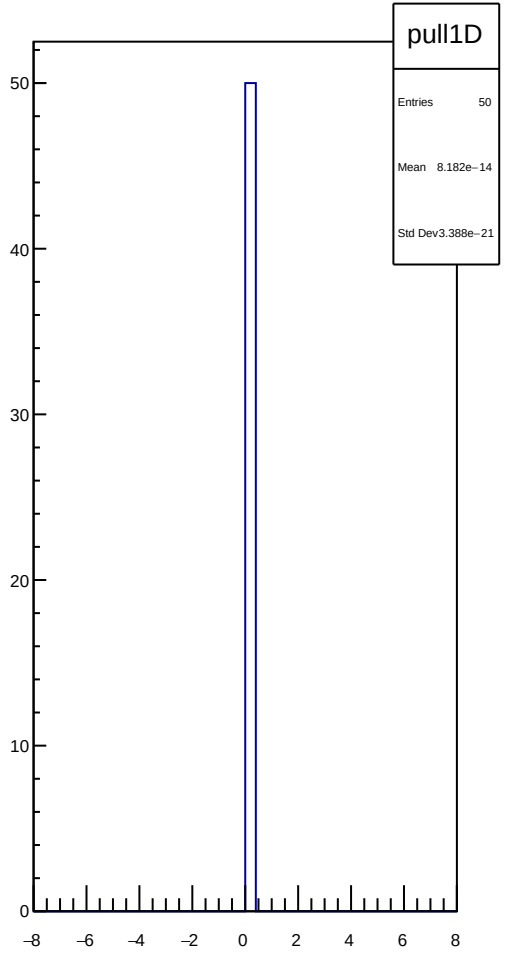

dit_atr1_4eY_slope vs run
χ² / ndf 1.12e−25 / 49
p0 −25.72 ± 0.07432
−25.2
−25.4
−25.6
−25.8
−26
−26.2
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−10
−20
−30
−40

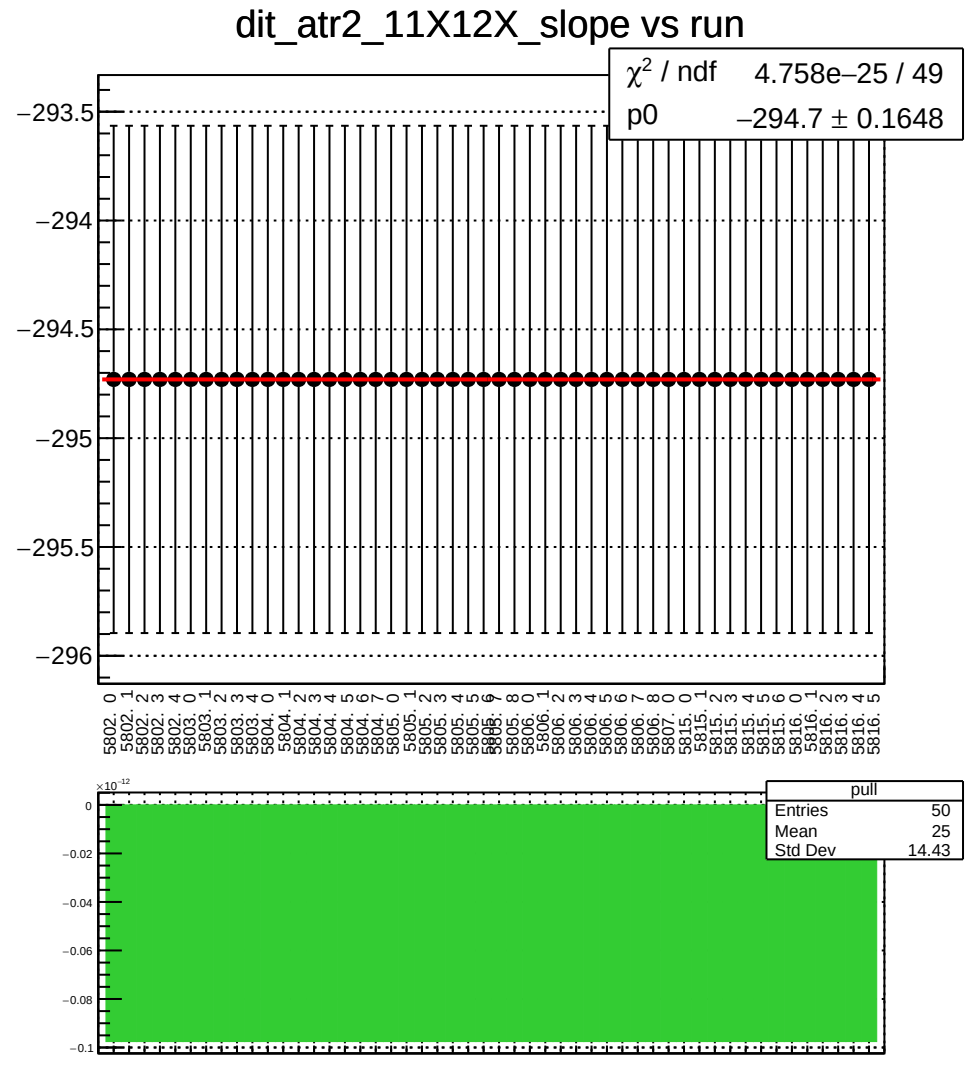

pull1D
Entries 50
Mean −4.732e−14
Std Dev2.241e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

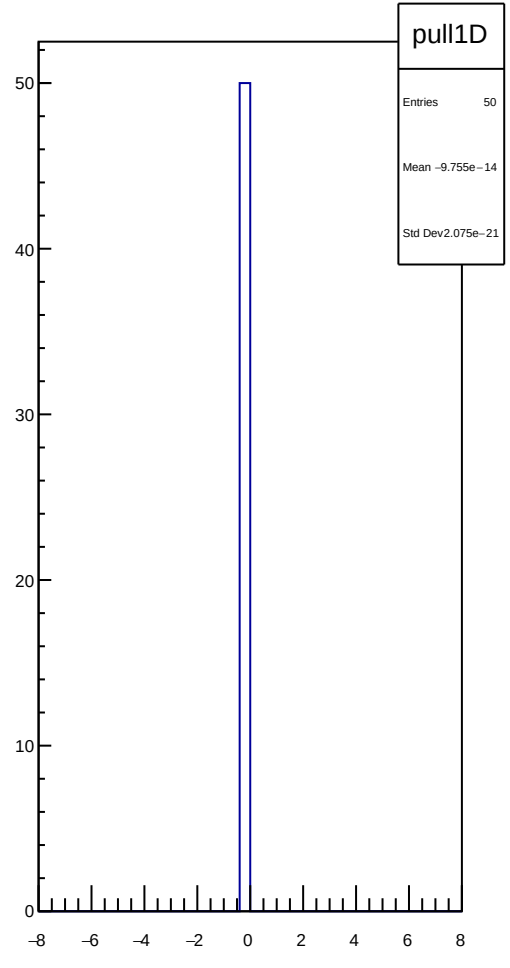

dit_atr2_4aX_slope vs run
χ² / ndf 2.685e−26 / 49
p0 −611.9 ± 0.6939
−608
−610
−612
−614
−616
pull
Entries 50
Mean 25
Std Dev 14.43

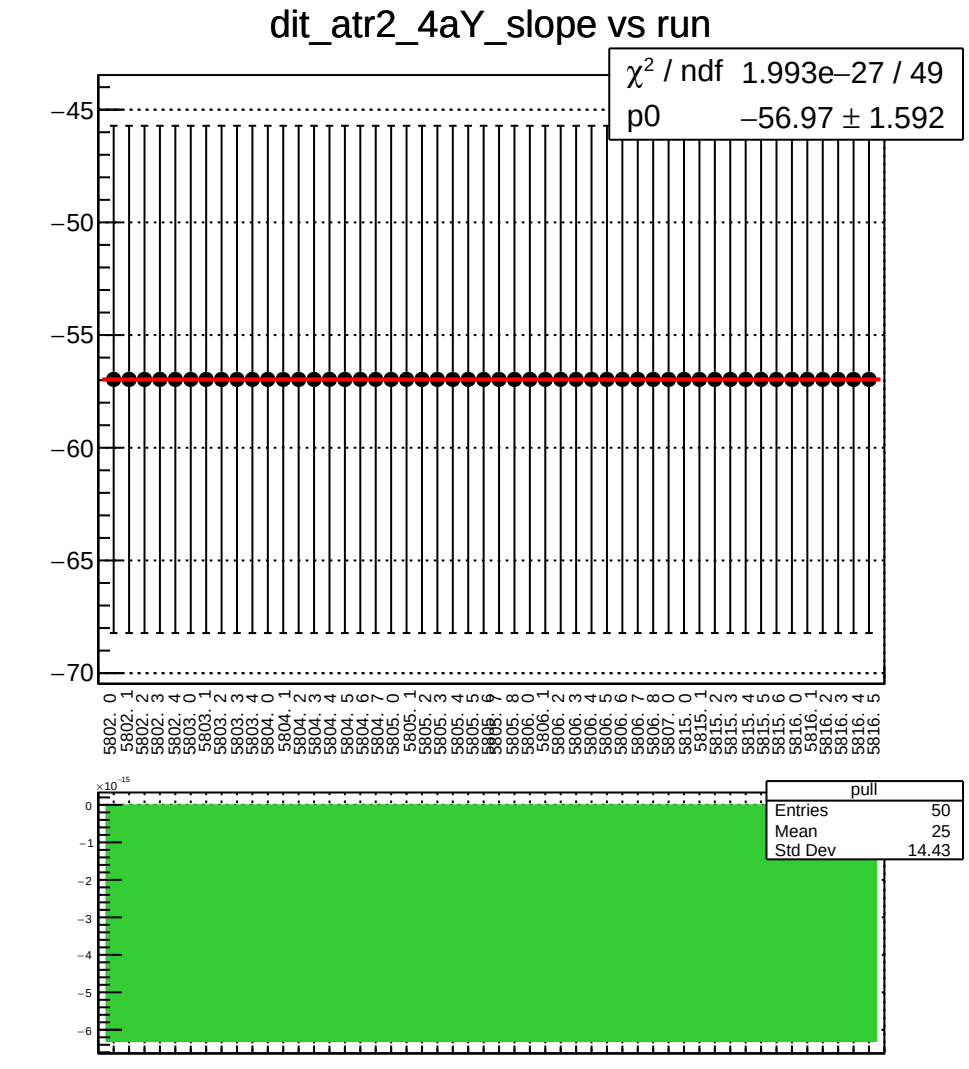

pull1D
Entries 50
Mean 2.317e−14
Std Dev 1.037e−21

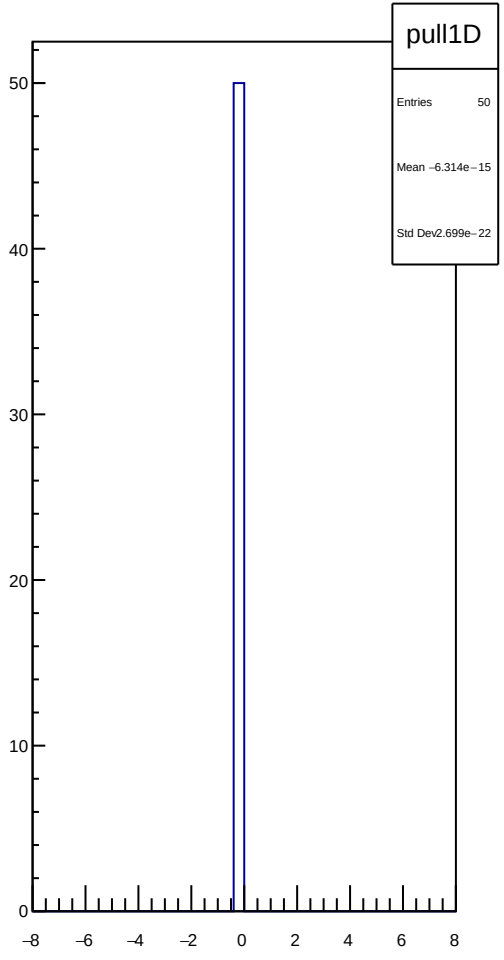

dit_atr2_4eX_slope vs run
χ² / ndf 3.347e−25 / 49
p0 1055 ± 0.786
1060
1058
1056
1054
1052
1050
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

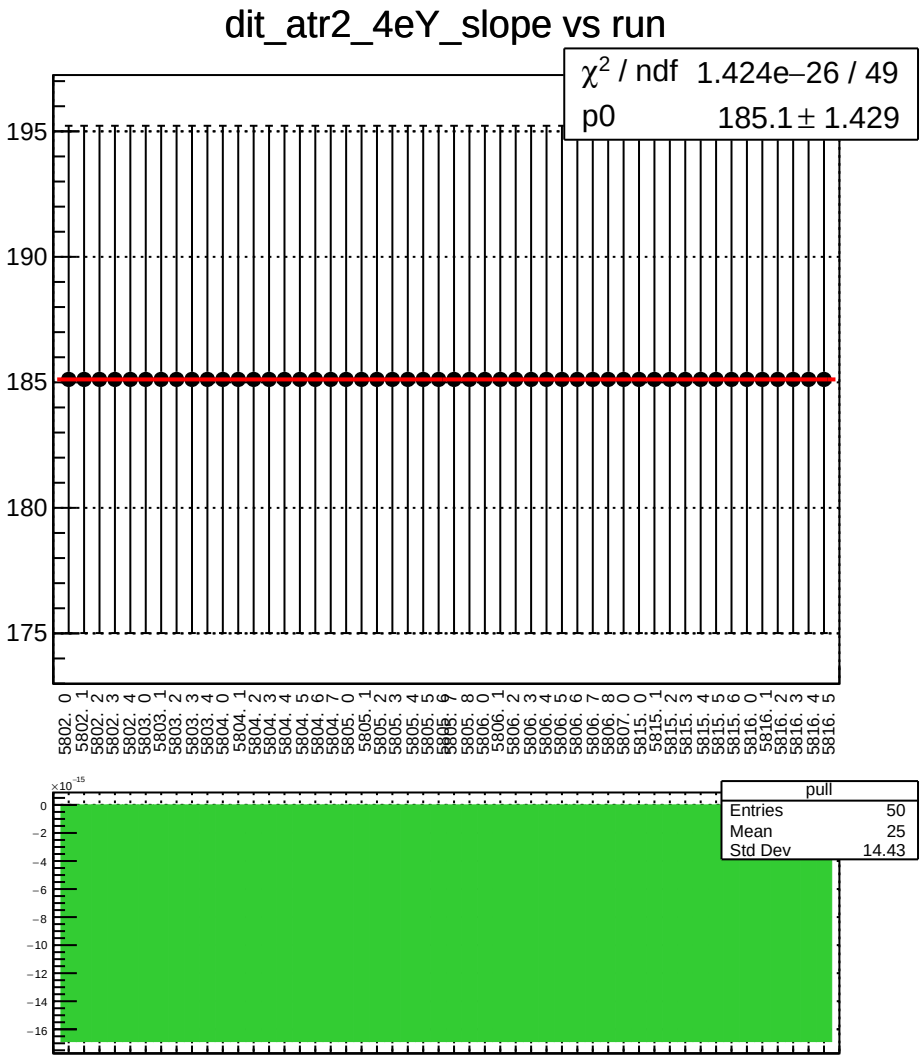

pull1D
Entries 50
Mean 8.182e−14
Std Dev3.388e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

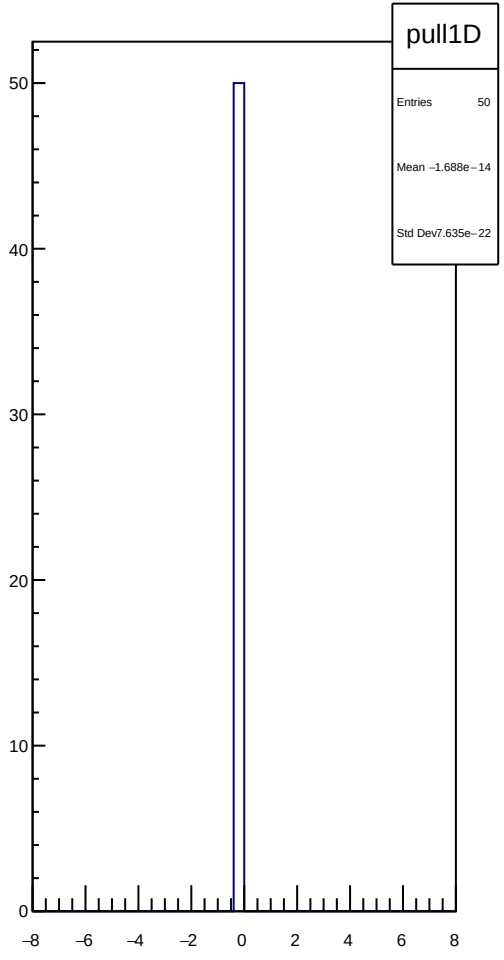

dit_atr2_11X12X_slope vs run
χ² / ndf 4.758e−25 / 49
p0 −294.7 ± 0.1648
−293.5
−294
−294.5
−295
−295.5
−296
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

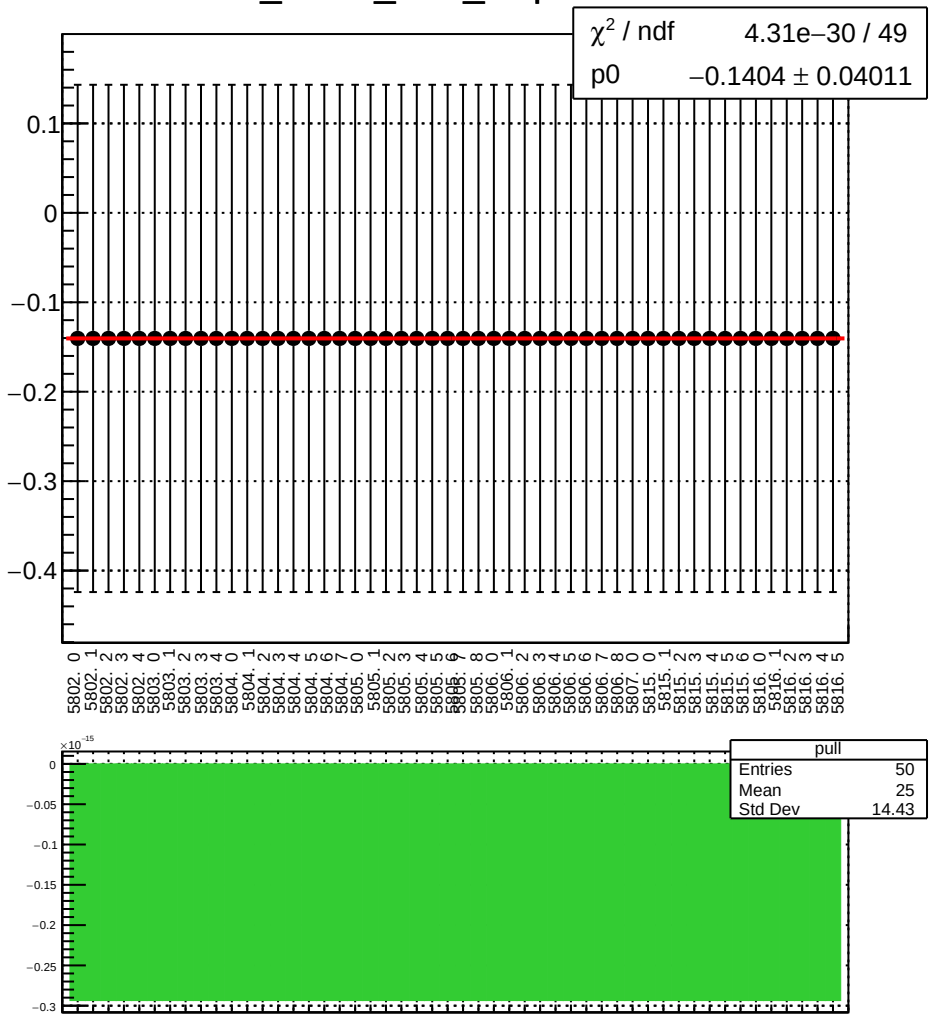

pull1D
Entries 50
Mean −9.755e−14
Std Dev2.075e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

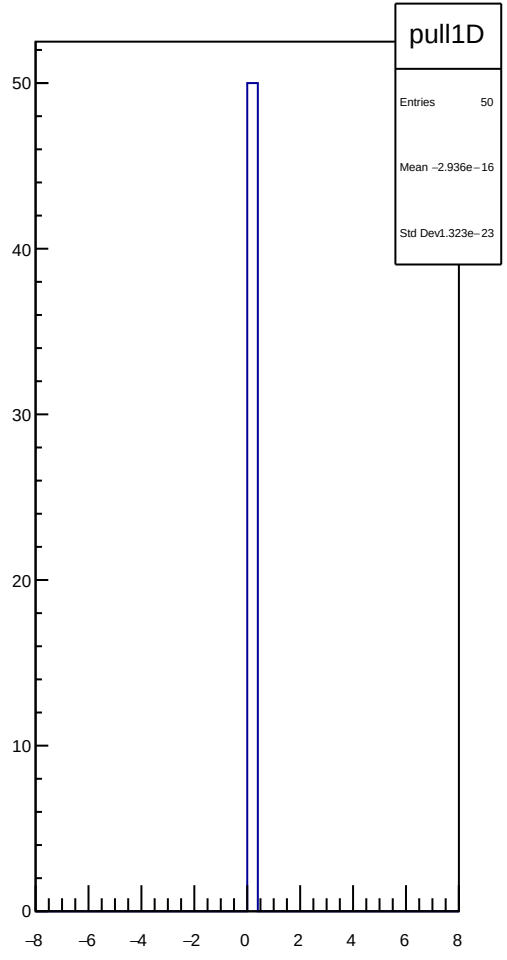

dit_atr2_4aY_slope vs run
χ² / ndf 1.993e−27 / 49
p0 −56.97 ± 1.592
−45
−50
−55
−60
−65
−70
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 50
Mean 25
Std Dev 14.43

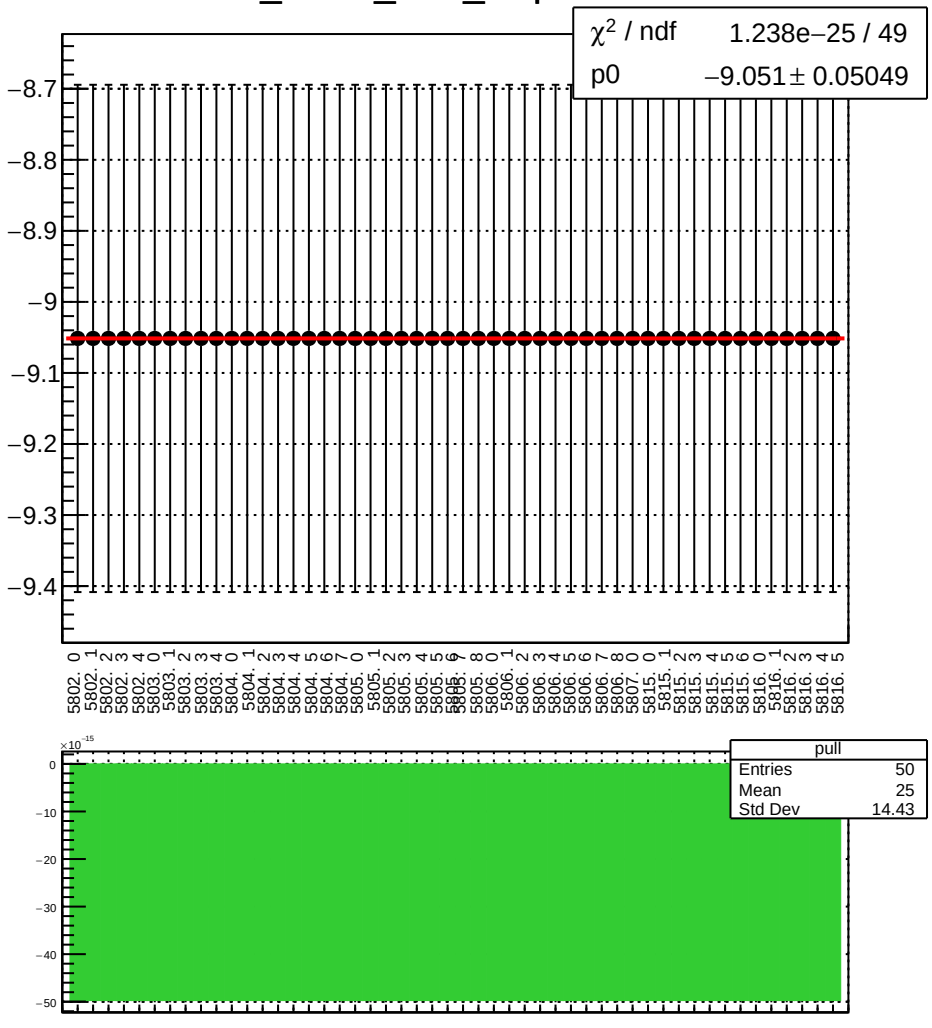

pull1D
Entries 50
Mean −6.314e−15
Std Dev 2.699e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

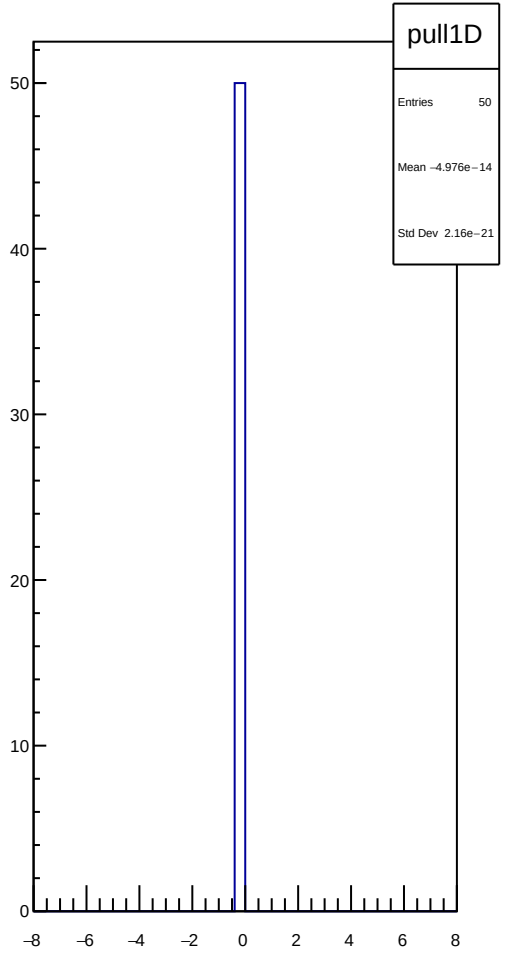

dit_atr2_4eY_slope vs run
χ² / ndf 1.424e−26 / 49
p0 185.1 ± 1.429
195
190
185
180
175
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

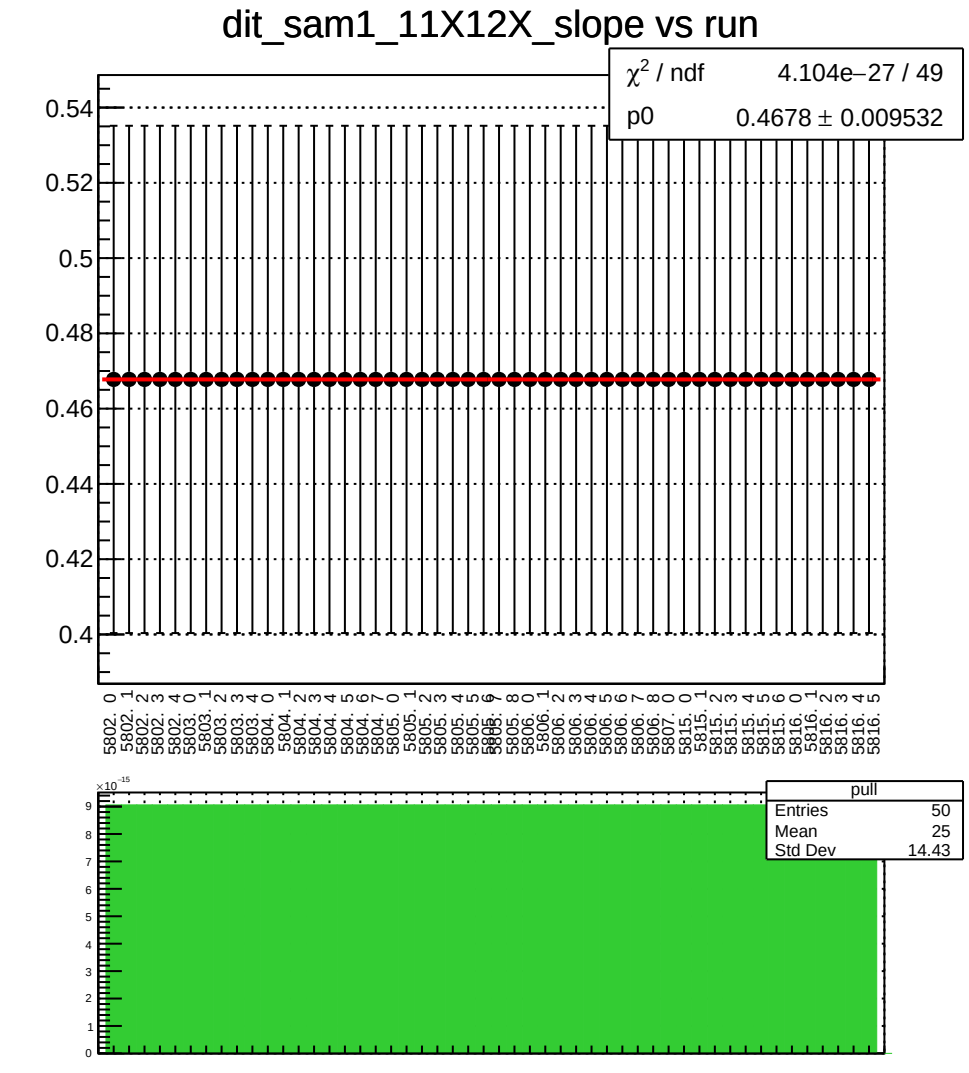

pull1D
Entries 50
Mean −1.688e−14
Std Dev7.635e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

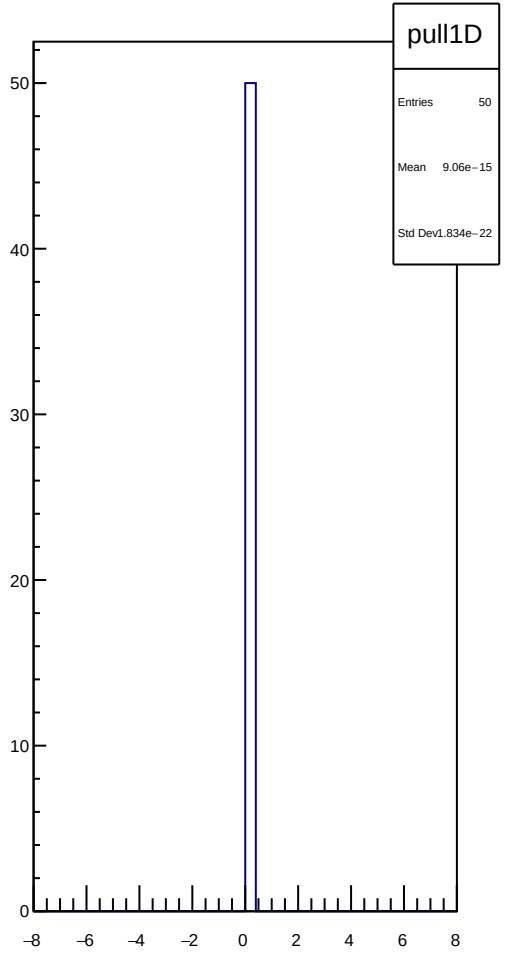

dit_sam1_4aX_slope vs run
χ² / ndf 4.31e−30 / 49
p0 −0.1404 ± 0.04011
pull
Entries 50
Mean 25
Std Dev 14.43

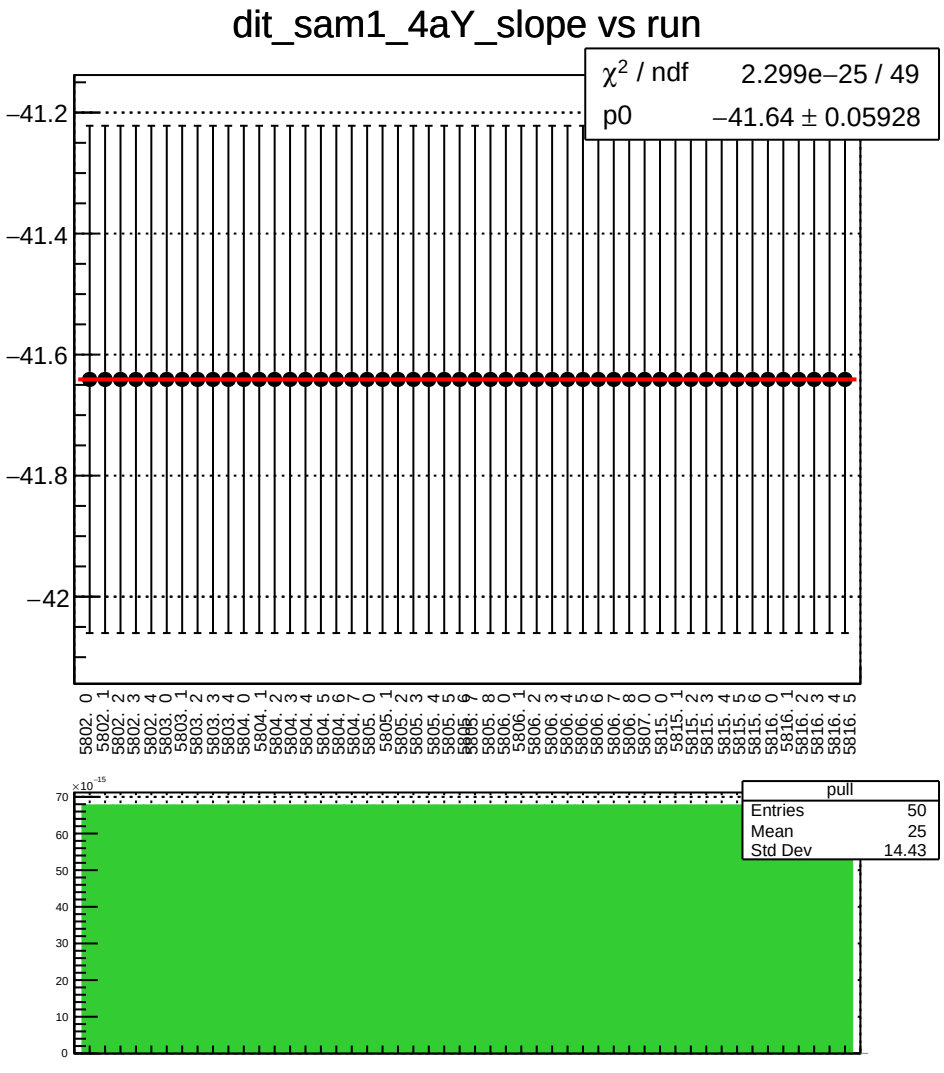

pull1D
Entries 50
Mean −2.936e−16
Std Dev1.323e−23

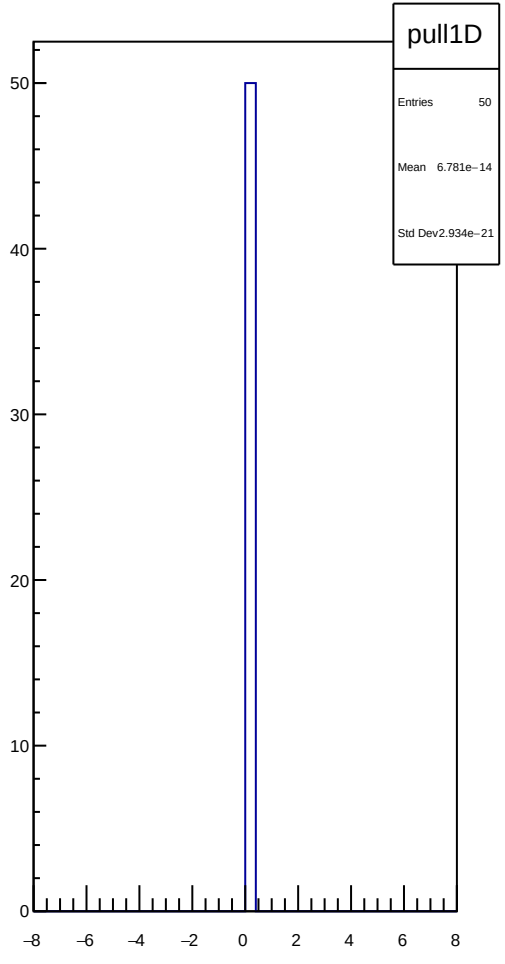

dit_sam1_4eX_slope vs run
χ² / ndf 1.238e−25 / 49
p0 −9.051 ± 0.05049
−8.7
−8.8
−8.9
−9
−9.1
−9.2
−9.3
−9.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−10
−20
−30
−40
−50

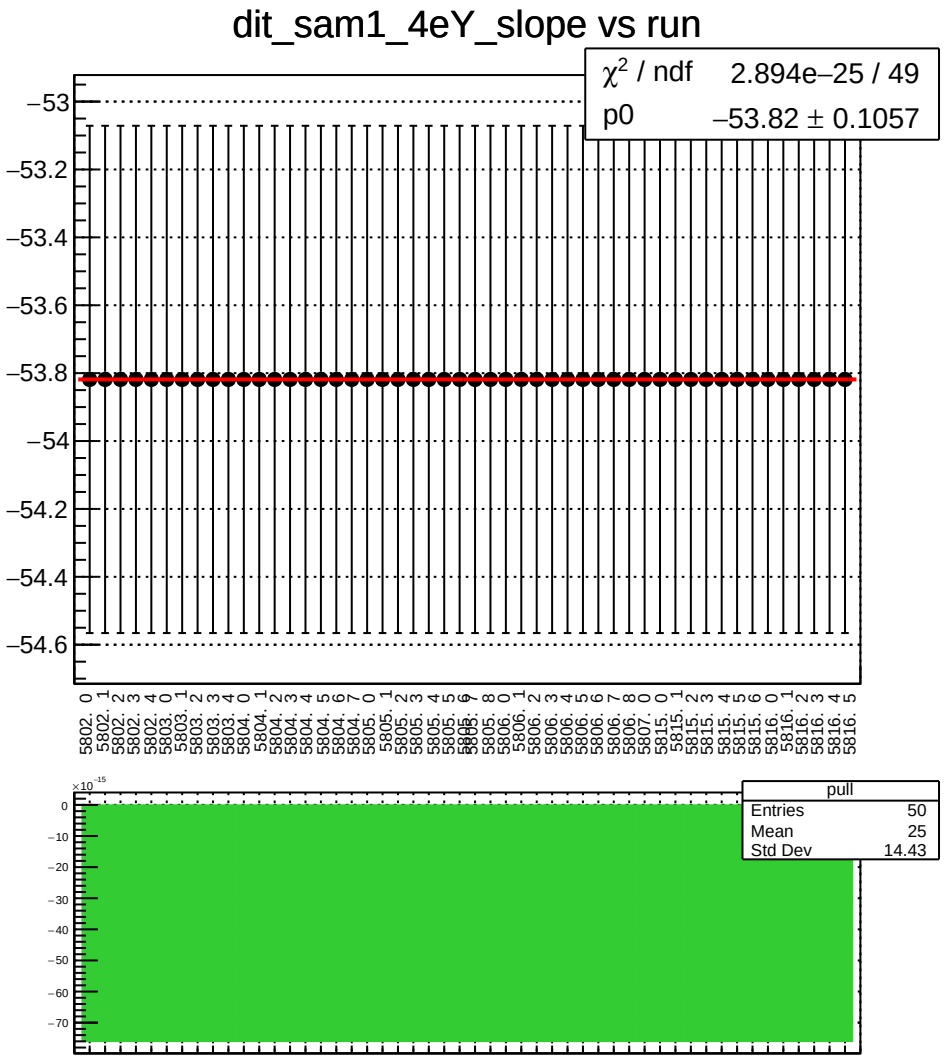

pull1D
Entries 50
Mean −4.976e−14
Std Dev 2.16e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

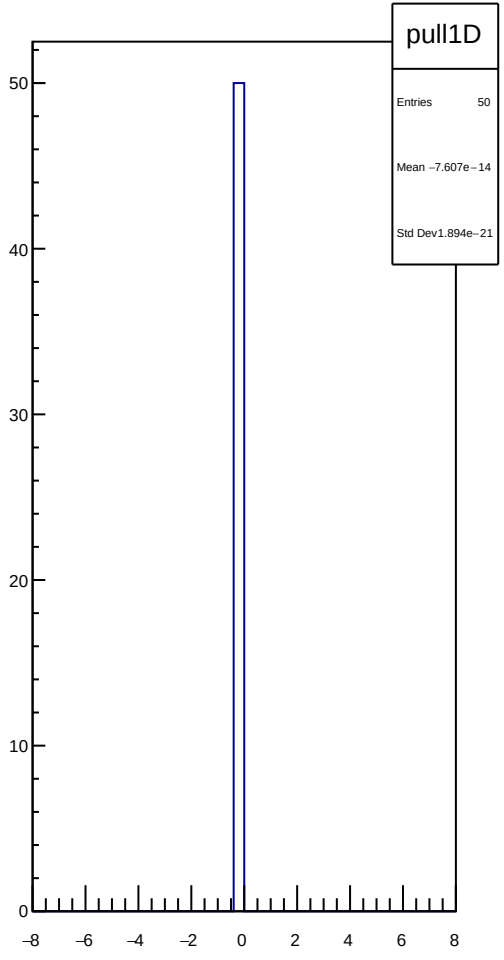

dit_sam1_11X12X_slope vs run
χ² / ndf 4.104e−27 / 49
p0 0.4678 ± 0.009532
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵

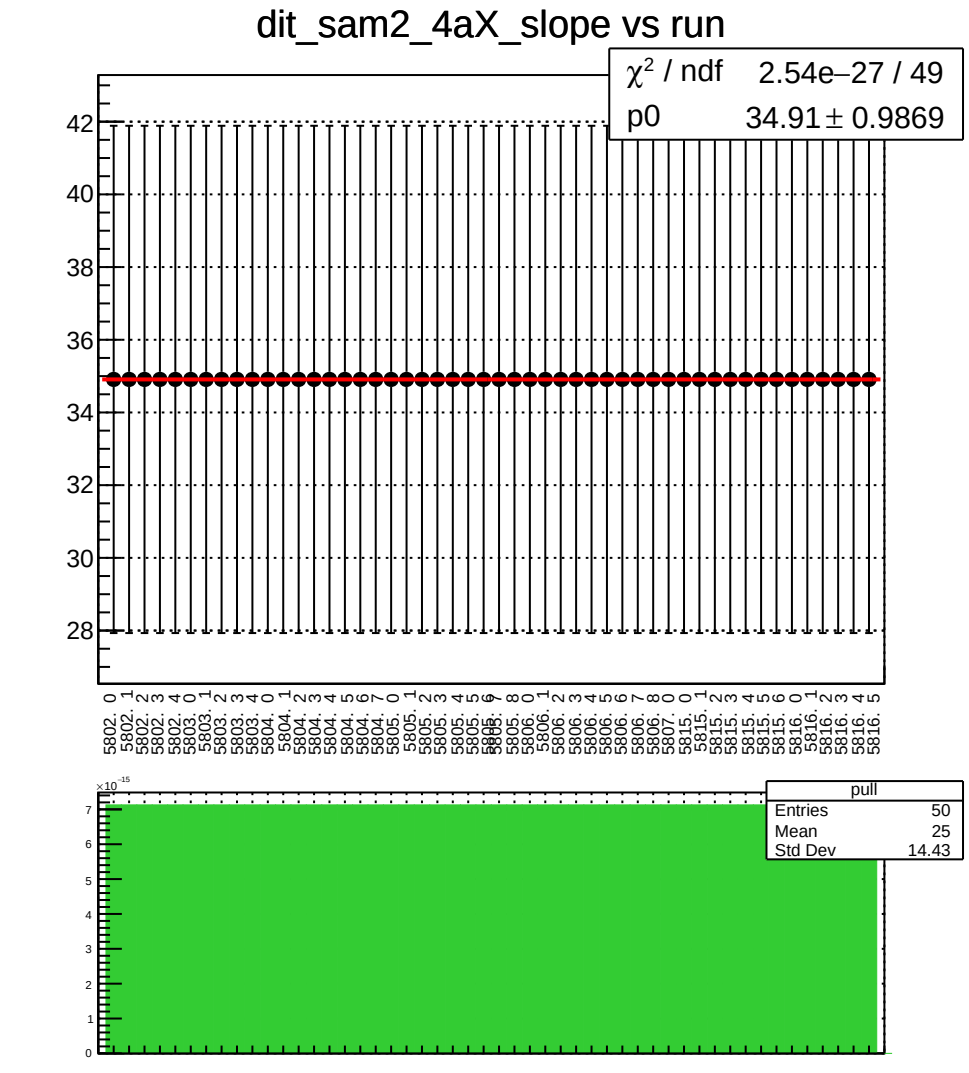

pull1D
Entries 50
Mean 9.06e−15
Std Dev1.834e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

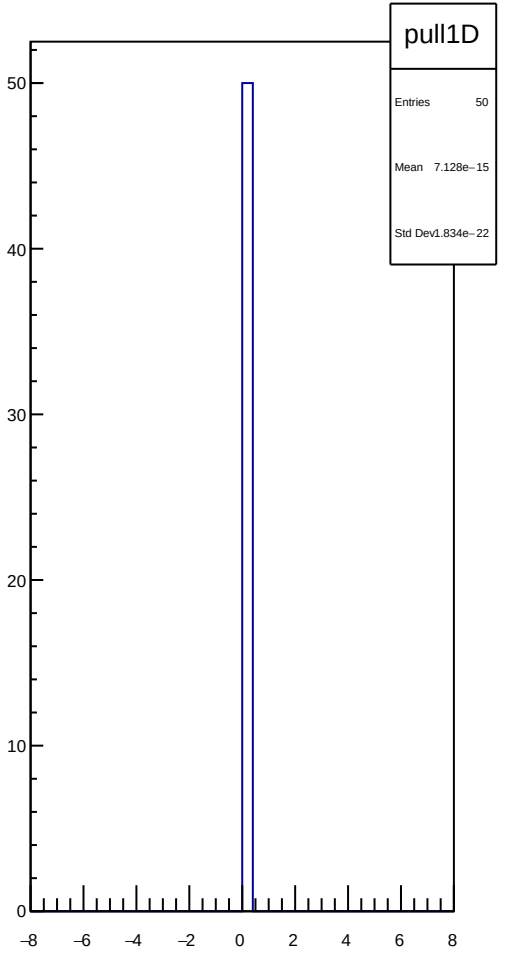

dit_sam1_4aY_slope vs run
χ² / ndf 2.299e−25 / 49
p0 −41.64 ± 0.05928
−41.2
−41.4
−41.6
−41.8
−42
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
70
60
50
40
30
20
10
0

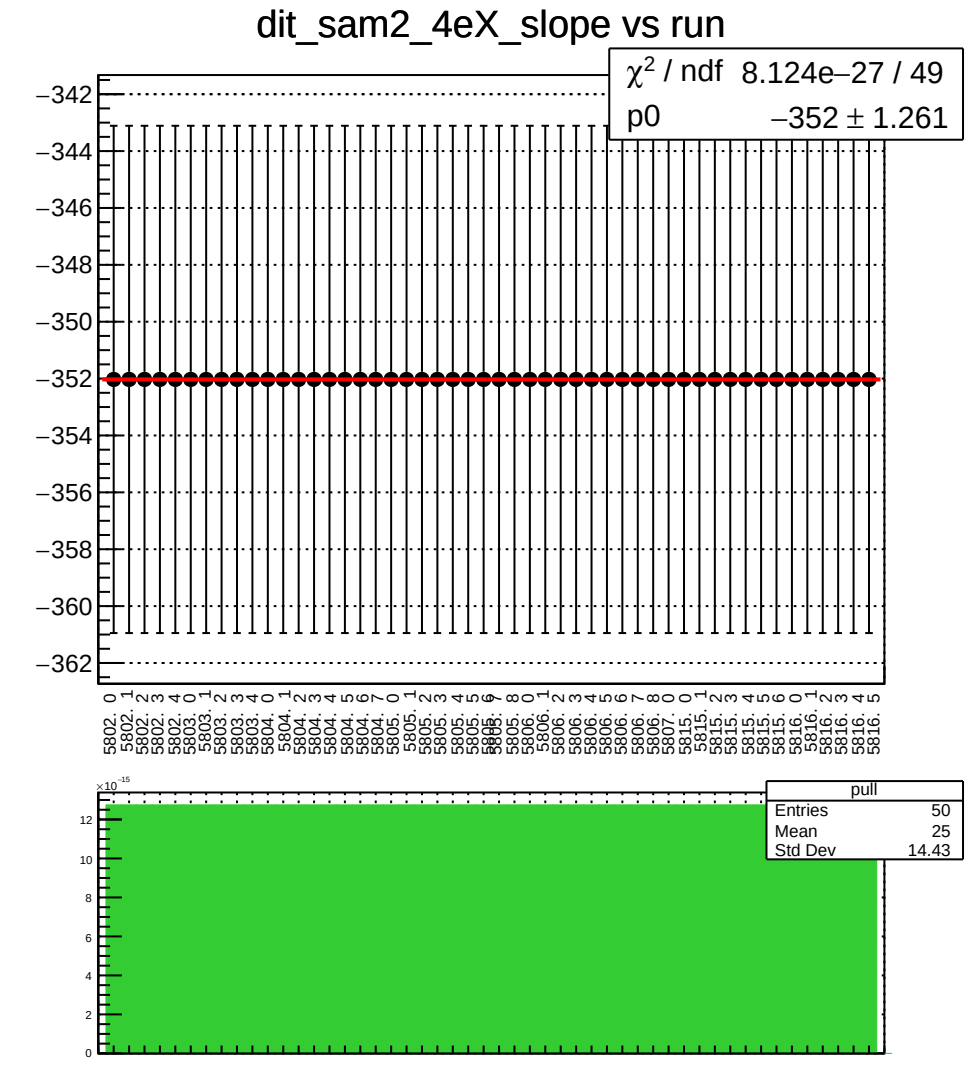

pull1D
Entries 50
Mean 6.781e−14
Std Dev2.934e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

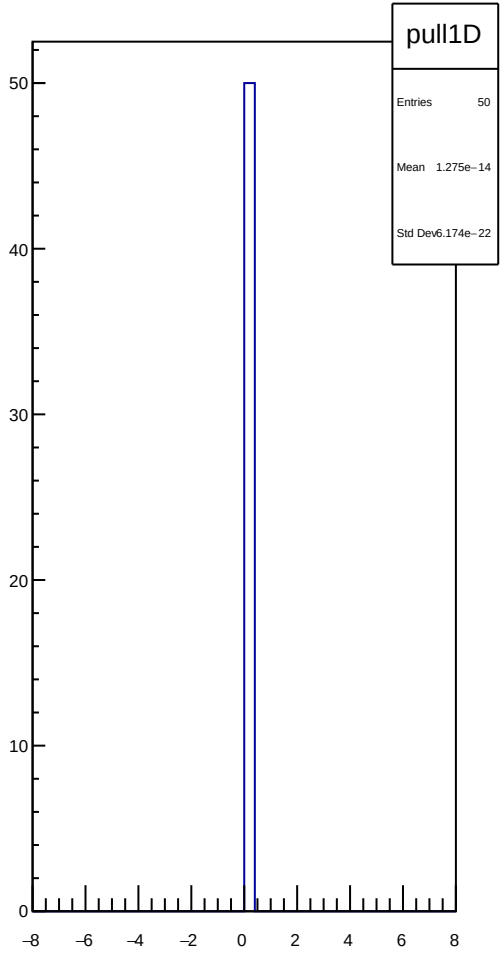

dit_sam1_4eY_slope vs run
χ² / ndf 2.894e−25 / 49
p0 −53.82 ± 0.1057
−53
−53.2
−53.4
−53.6
−53.8
−54
−54.2
−54.4
−54.6
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

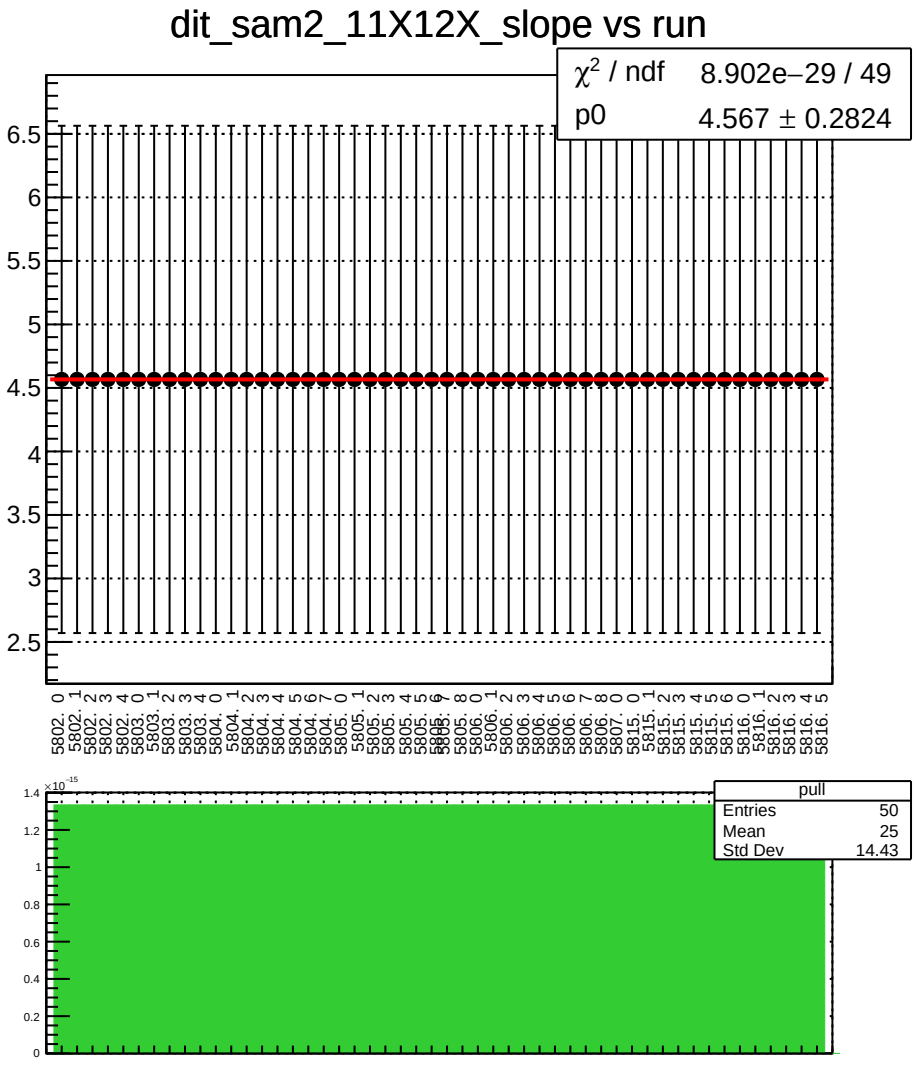

pull1D
Entries 50
Mean −7.607e−14
Std Dev 1.894e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

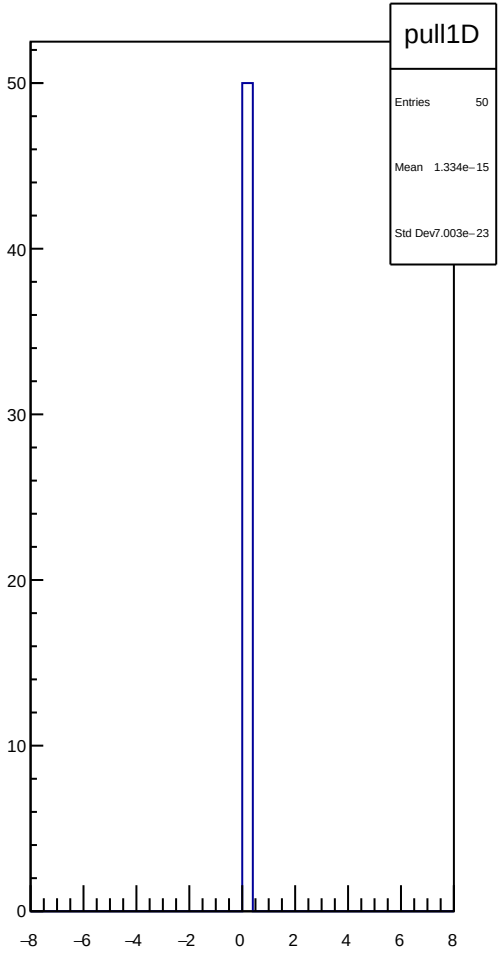

dit_sam2_4aX_slope vs run
χ² / ndf 2.54e−27 / 49
p0 34.91 ± 0.9869
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵

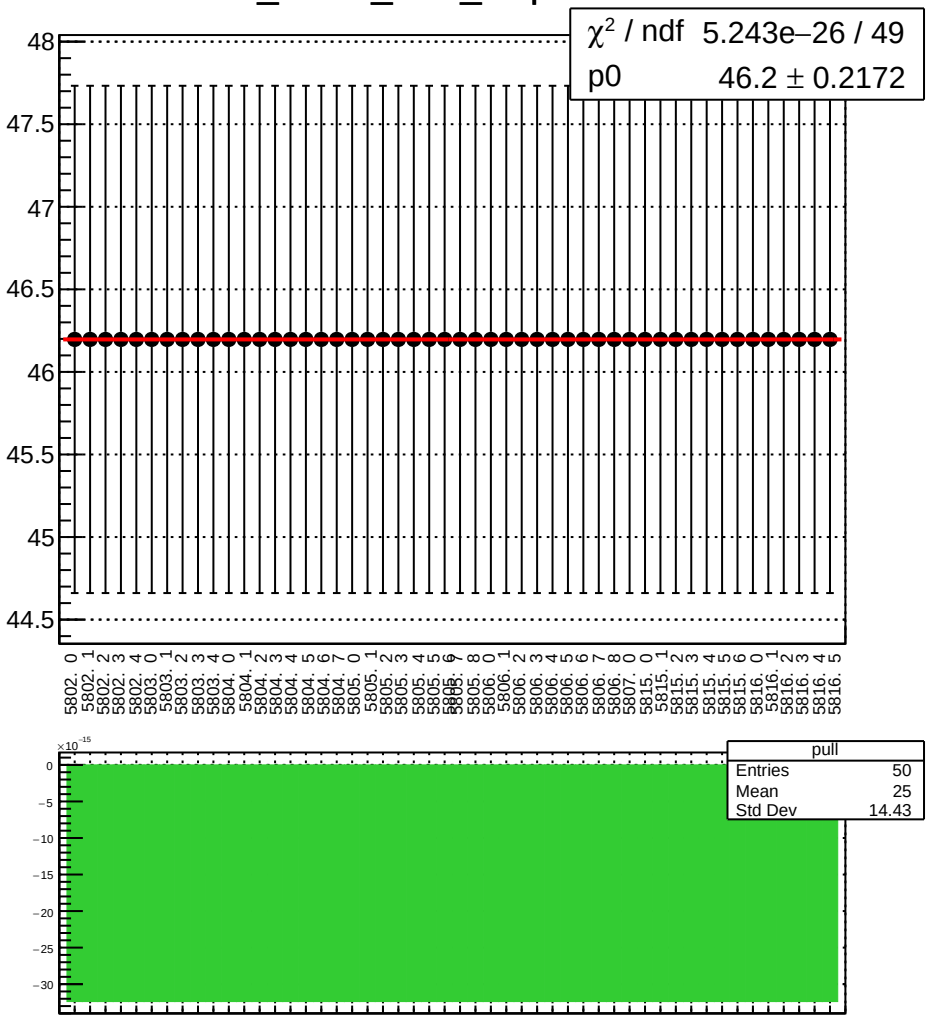

pull1D
Entries 50
Mean 7.128e−15
Std Dev 1.834e−22

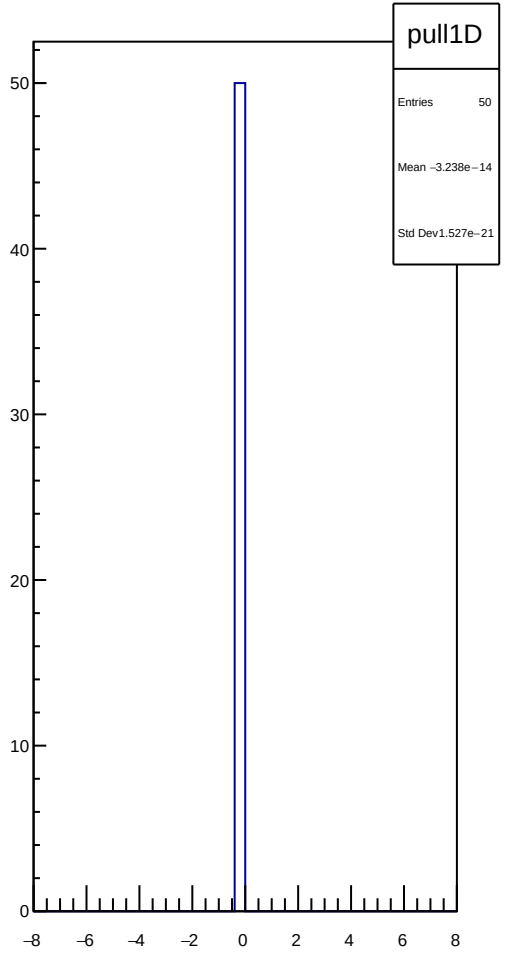

dit_sam2_4eX_slope vs run
χ² / ndf 8.124e−27 / 49
p0 −352 ± 1.261
−342
−344
−346
−348
−350
−352
−354
−356
−358
−360
−362
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
12
10
8
6
4
2
0

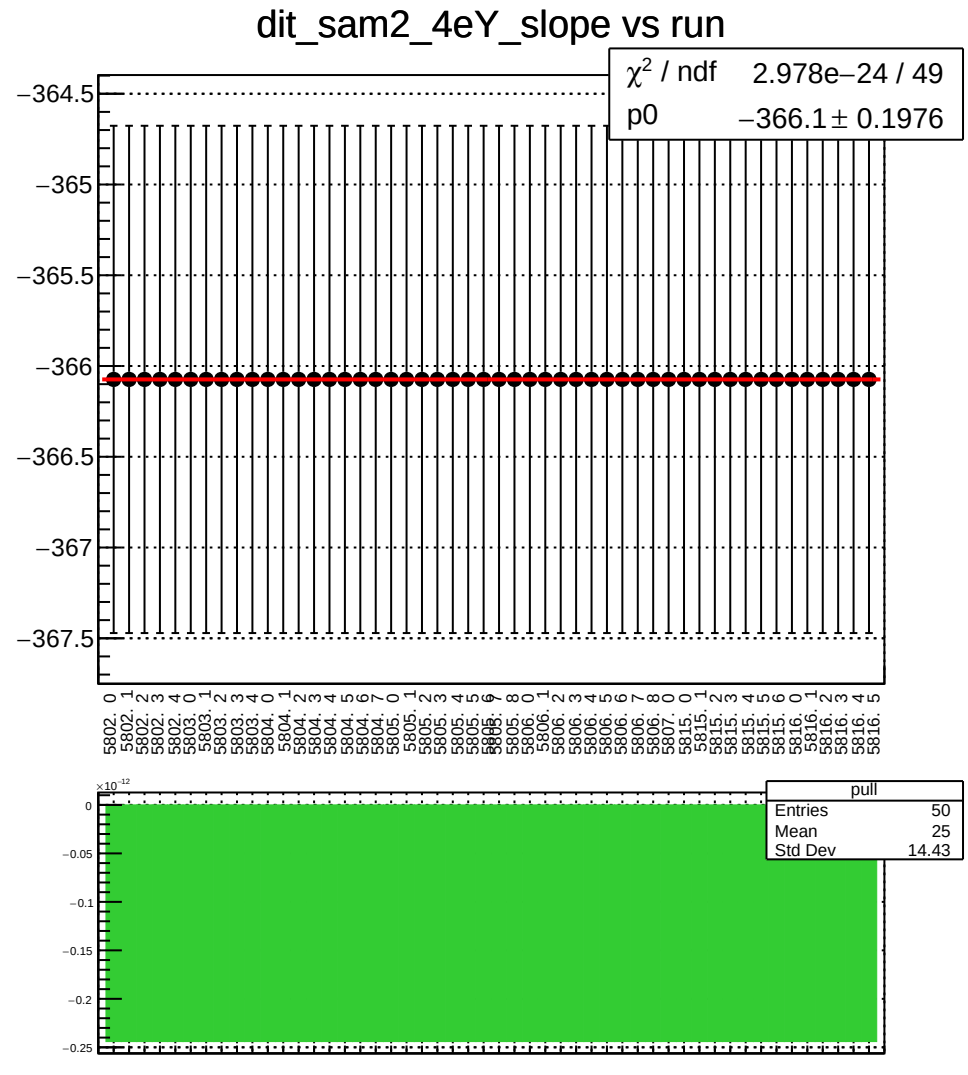

pull1D
Entries 50
Mean 1.275e−14
Std Dev 6.174e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

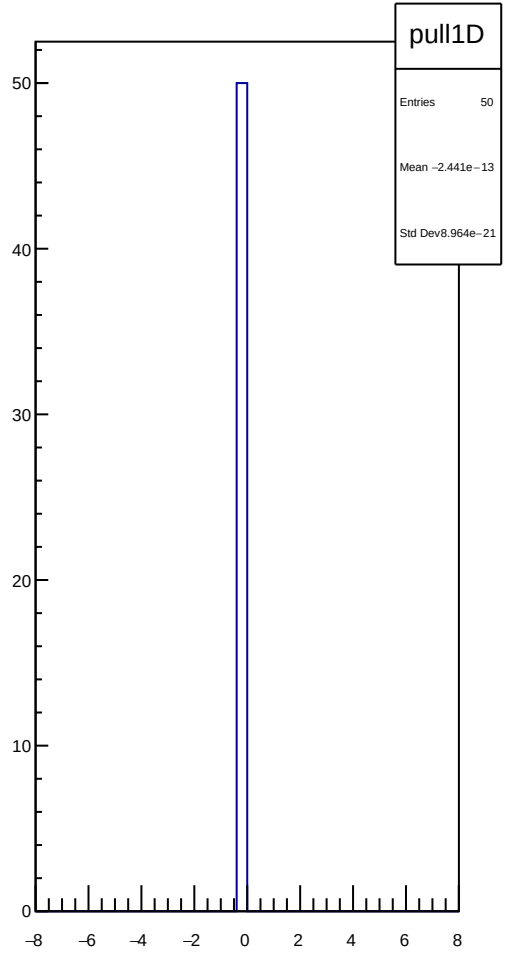

dit_sam2_11X12X_slope vs run
χ² / ndf 8.902e−29 / 49
p0 4.567 ± 0.2824
pull
Entries 50
Mean 25
Std Dev 14.43

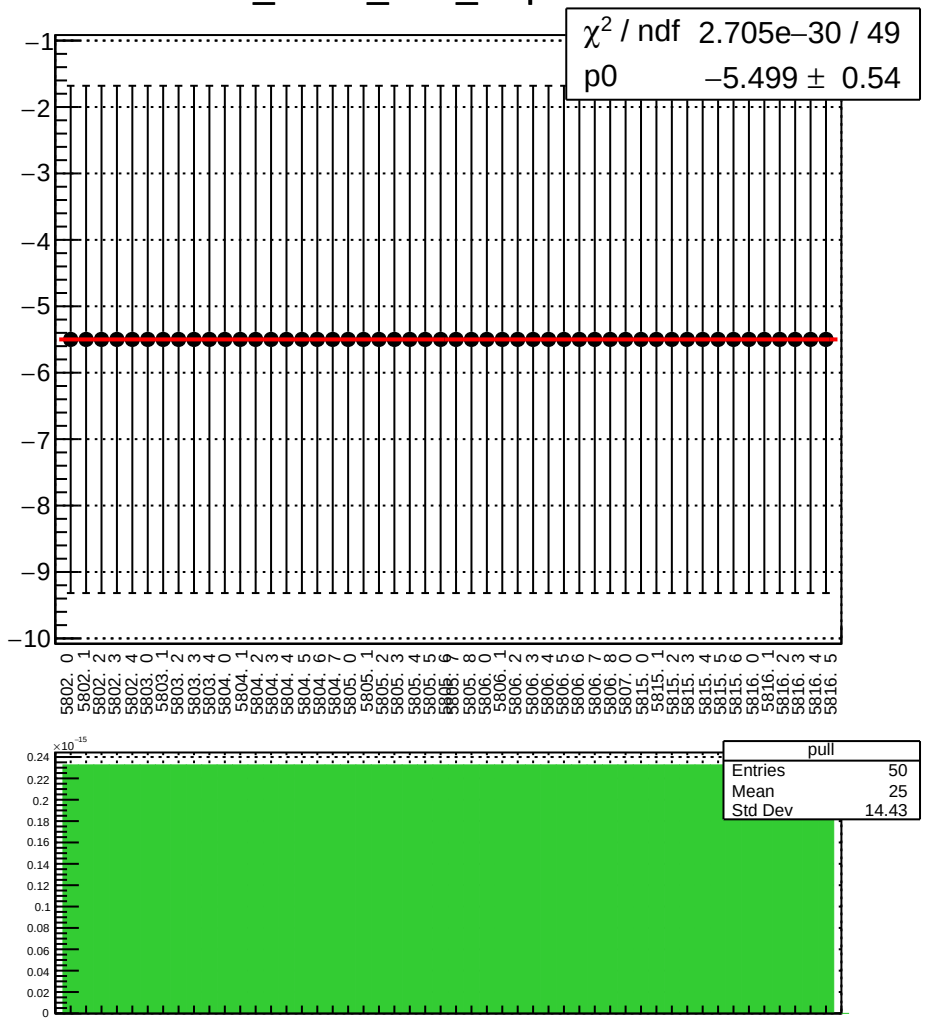

pull1D
Entries 50
Mean 1.334e−15
Std Dev7.003e−23

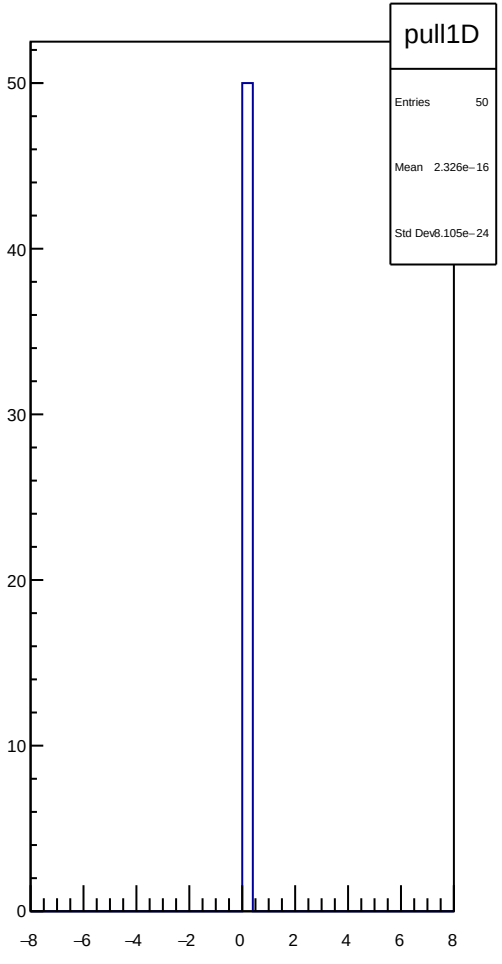

dit_sam2_4aY_slope vs run
χ² / ndf 5.243e−26 / 49
p0 46.2 ± 0.2172
48
47.5
47
46.5
46
45.5
45
44.5
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

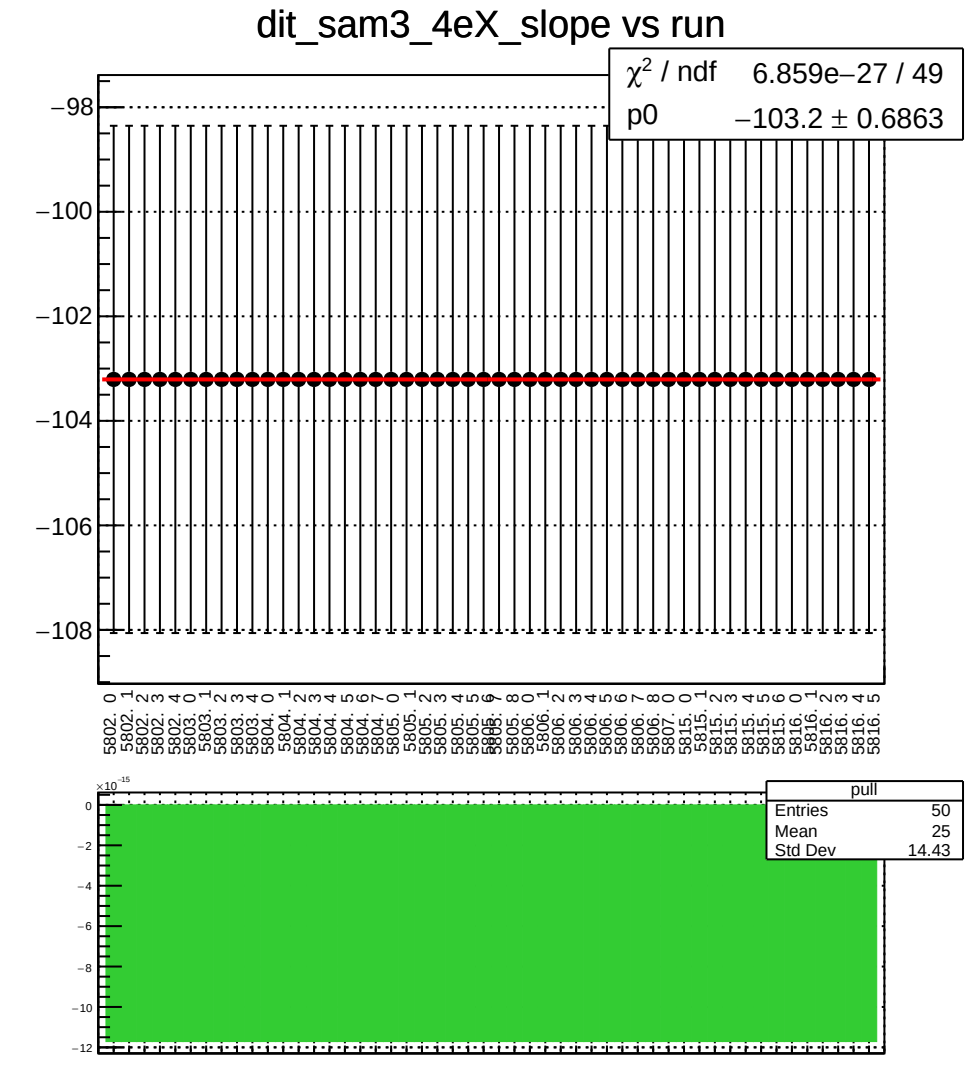

pull1D
Entries 50
Mean −3.238e−14
Std Dev1.527e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

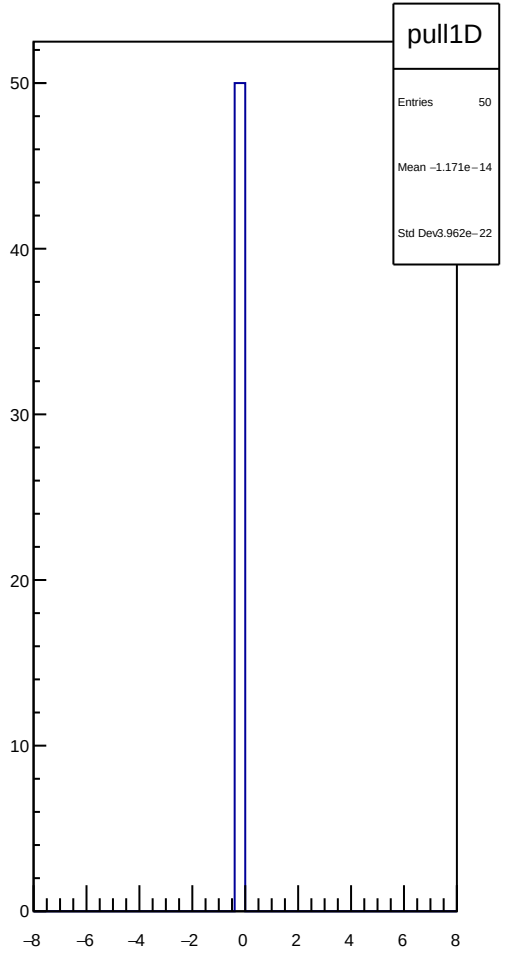

dit_sam2_4eY_slope vs run
χ² / ndf 2.978e−24 / 49
p0 −366.1 ± 0.1976
−364.5
−365
−365.5
−366
−366.5
−367
−367.5
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25

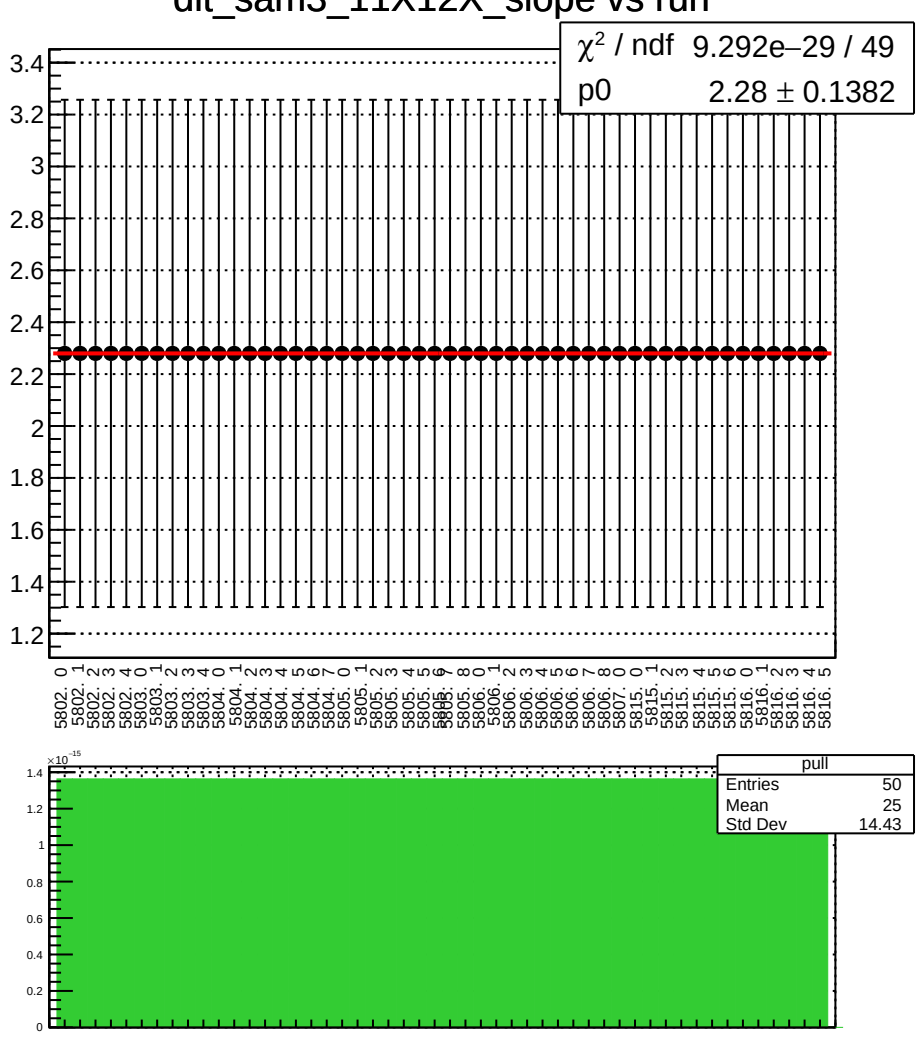

pull1D
Entries 50
Mean −2.441e−13
Std Dev 8.964e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

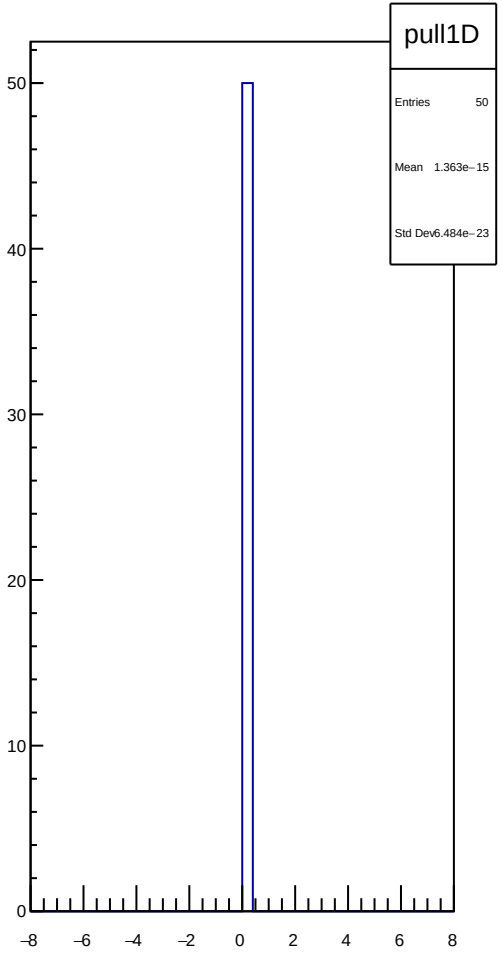

dit_sam3_4aX_slope vs run
χ² / ndf 2.705e−30 / 49
p0 −5.499 ± 0.54
pull
Entries 50
Mean 25
Std Dev 14.43

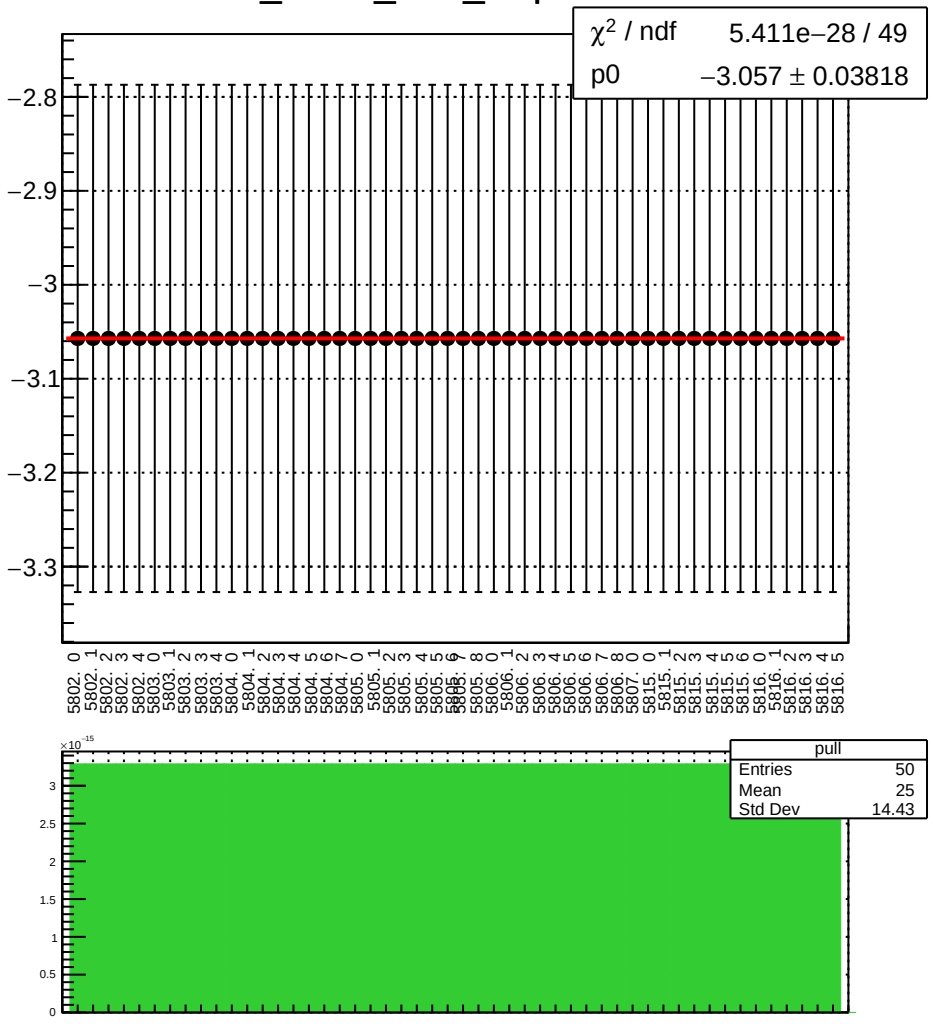

pull1D
Entries 50
Mean 2.326e−16
Std Dev 8.105e−24

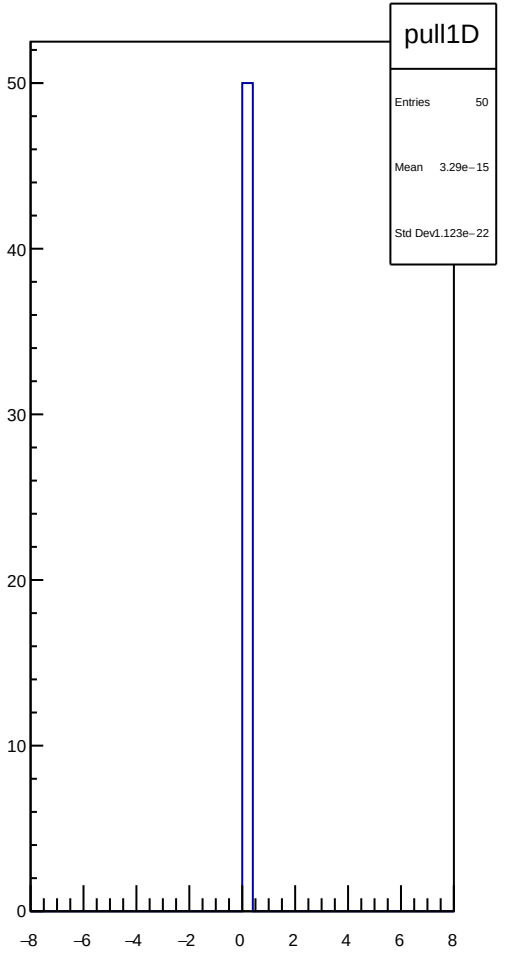

dit_sam3_4eX_slope vs run
χ² / ndf 6.859e−27 / 49
p0 −103.2 ± 0.6863
−98
−100
−102
−104
−106
−108
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 50
Mean 25
Std Dev 14.43

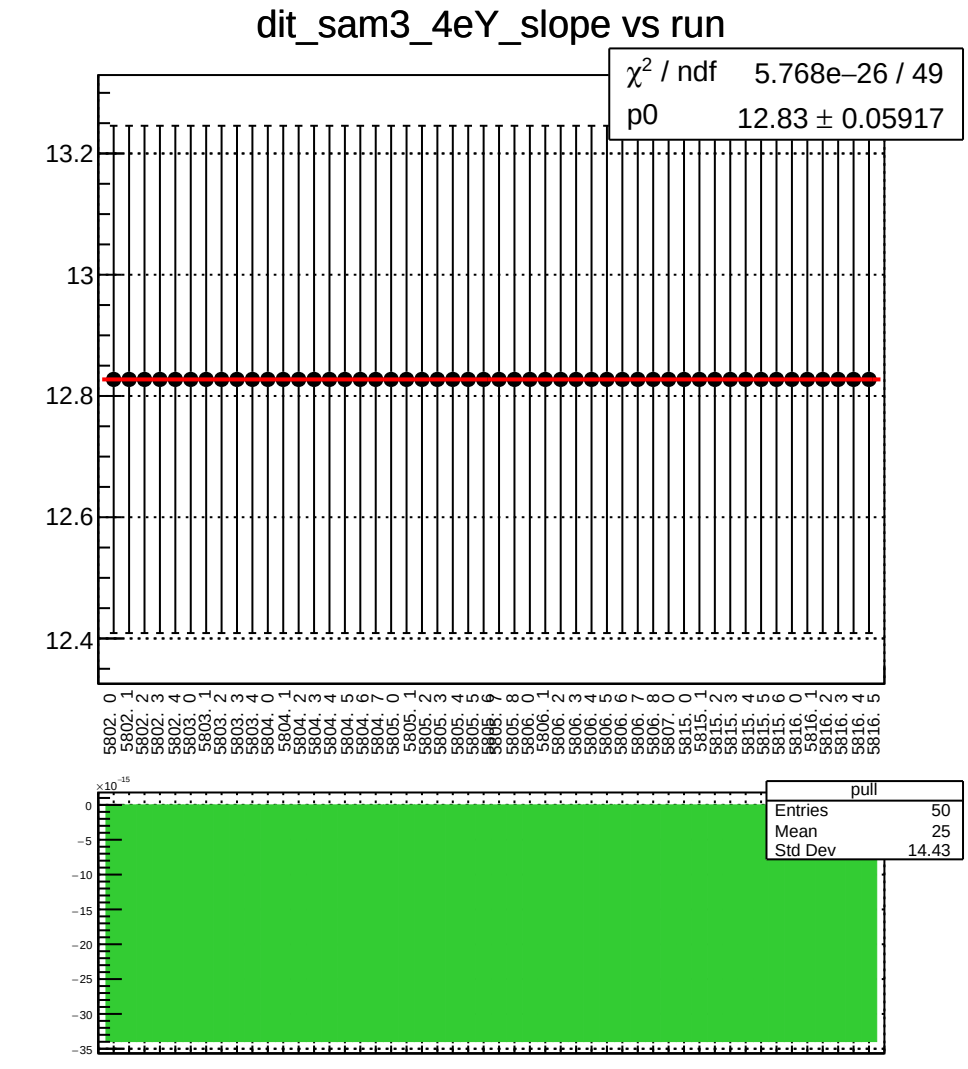

pull1D
Entries 50
Mean −1.171e−14
Std Dev 3.962e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

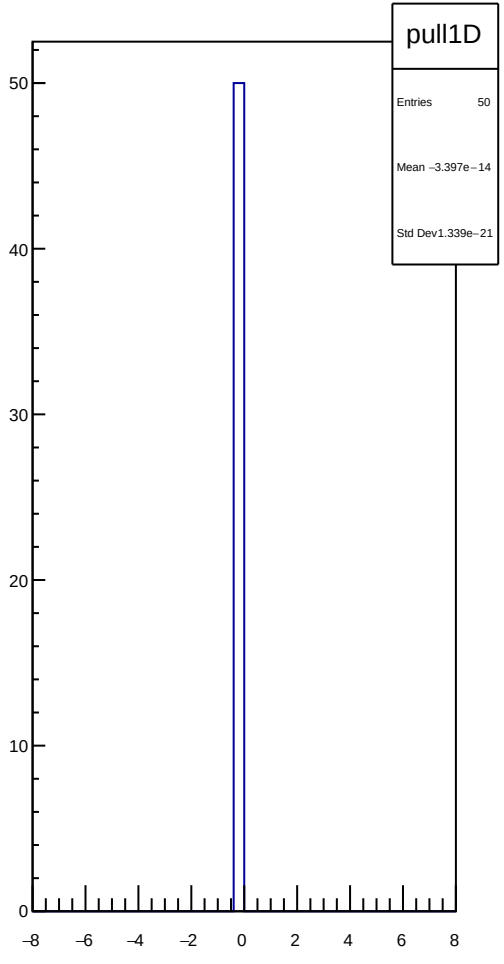

dit_sam3_11X12X_slope vs run
χ^2 / ndf 9.292e−29 / 49
p0 2.28 ± 0.1382
pull
Entries 50
Mean 25
Std Dev 14.43

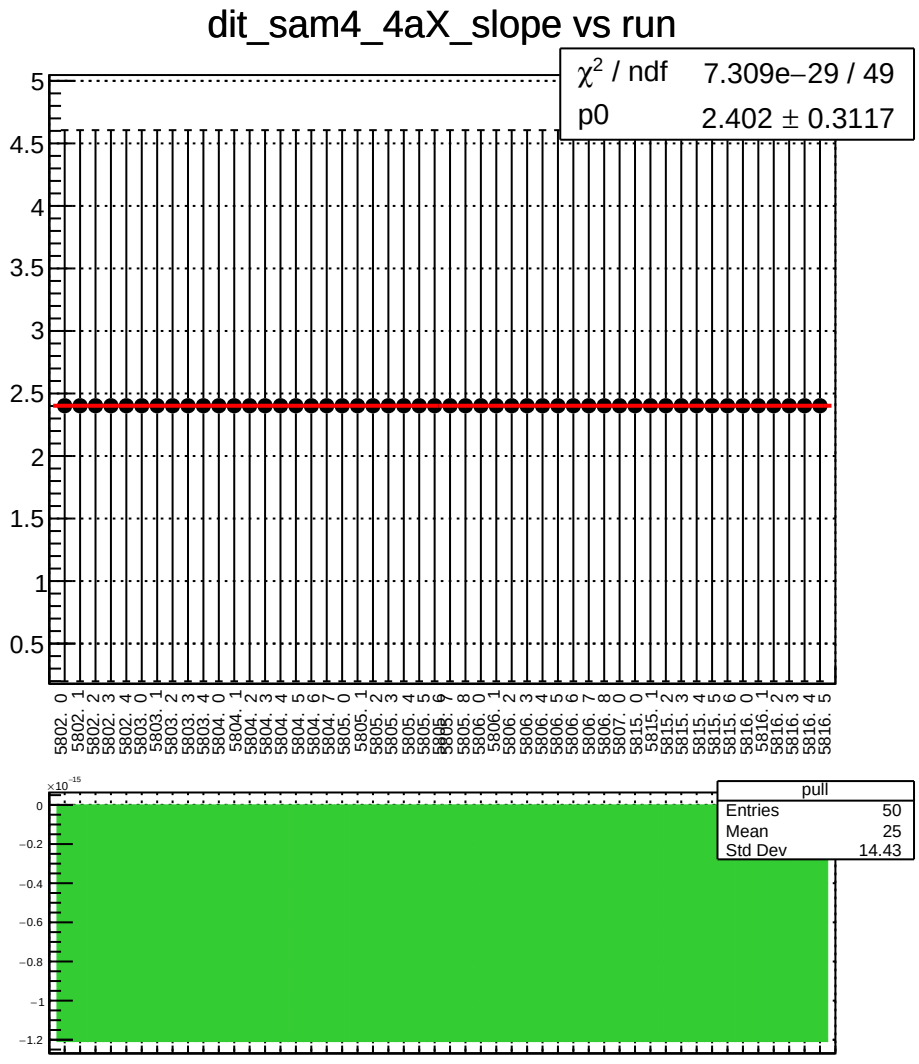

pull1D
Entries 50
Mean 1.363e−15
Std Dev 6.484e−23

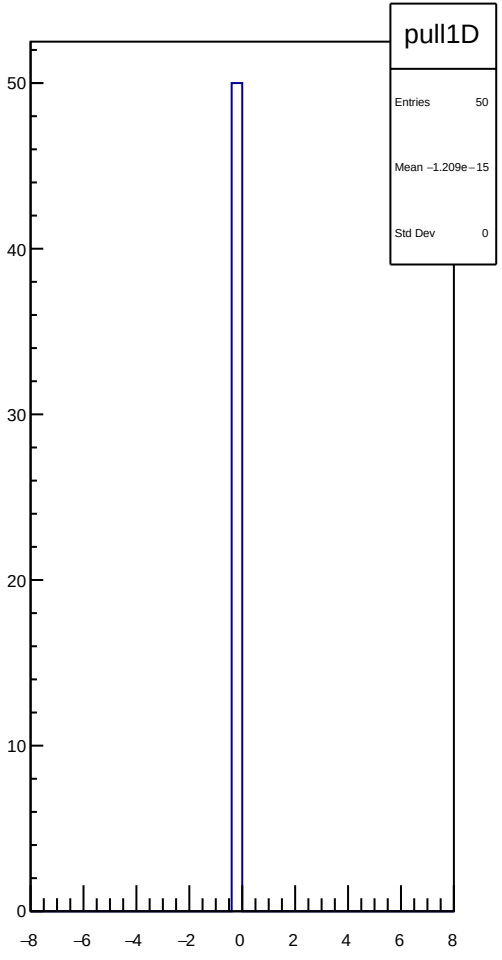

dit_sam3_4aY_slope vs run
χ² / ndf 5.411e−28 / 49
p0 −3.057 ± 0.03818
−2.8
−2.9
−3
−3.1
−3.2
−3.3
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0

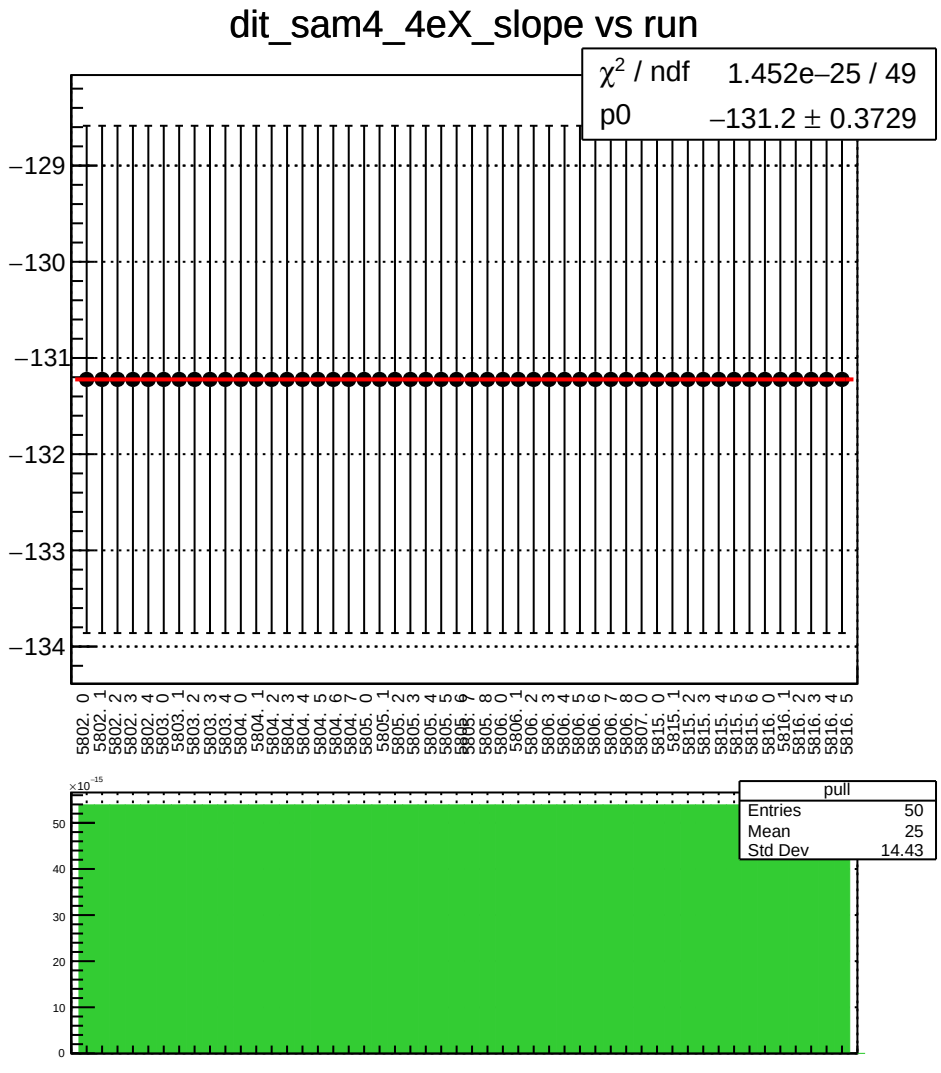

pull1D
Entries 50
Mean 3.29e−15
Std Dev1.123e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

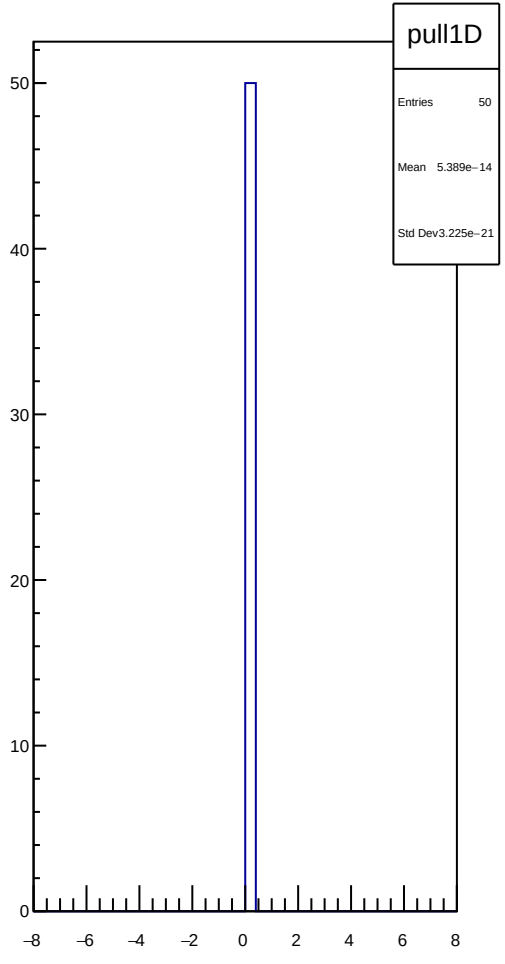

dit_sam3_4eY_slope vs run
χ² / ndf 5.768e−26 / 49
p0 12.83 ± 0.05917
13.2
13
12.8
12.6
12.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

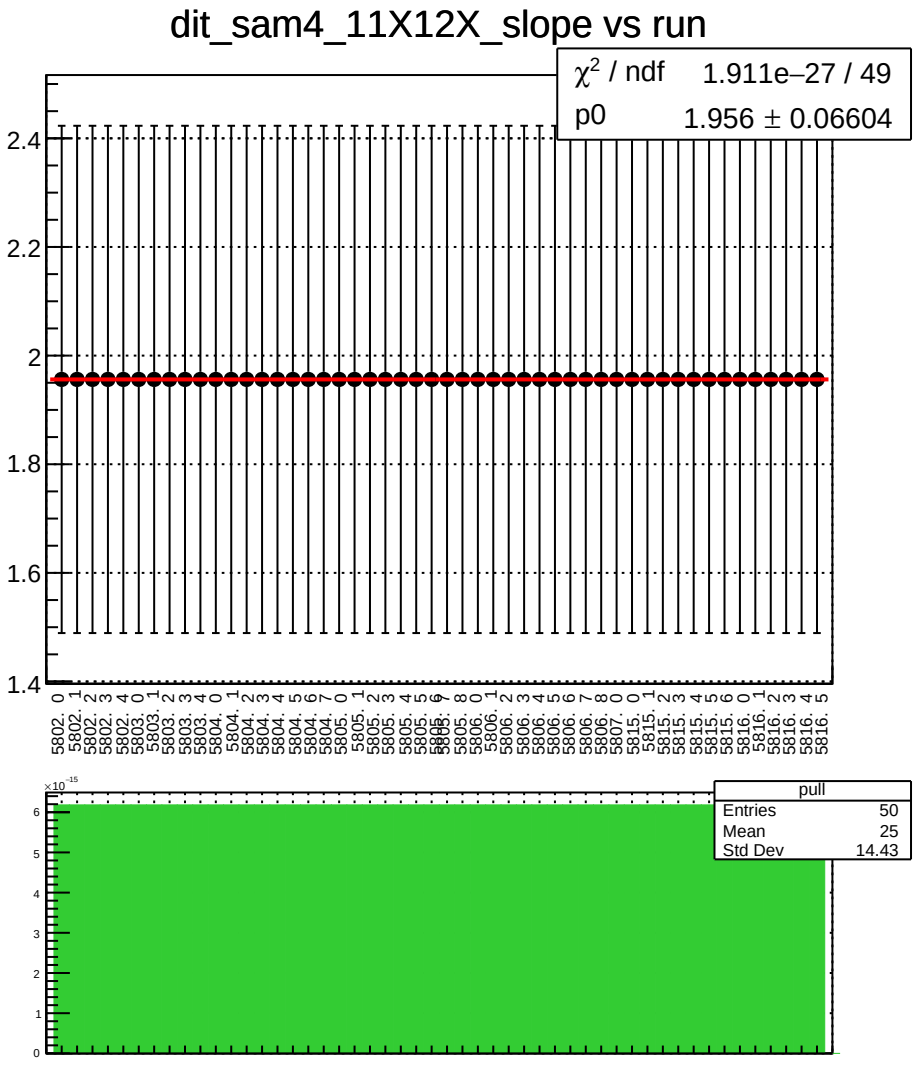

pull1D
Entries 50
Mean −3.397e−14
Std Dev1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

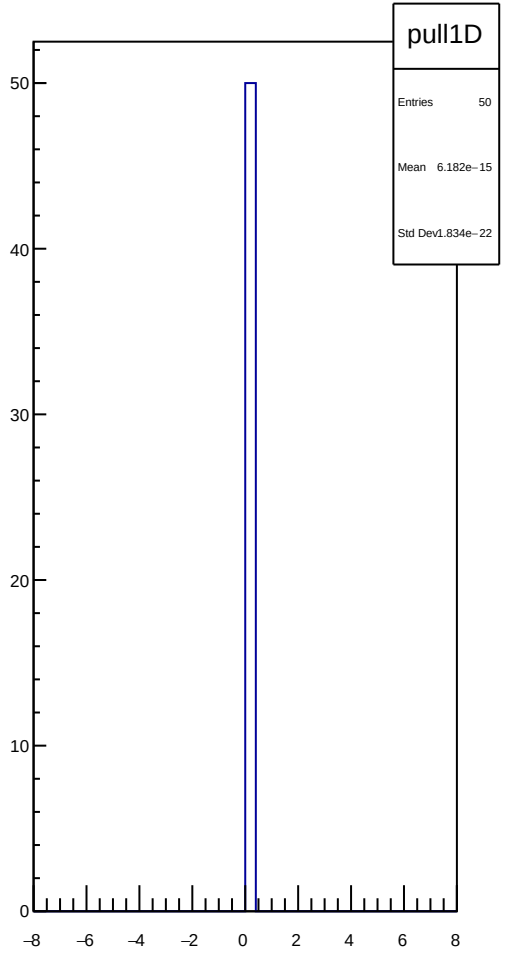

dit_sam4_4aX_slope vs run
χ² / ndf 7.309e−29 / 49
p0 2.402 ± 0.3117
pull
Entries 50
Mean 25
Std Dev 14.43

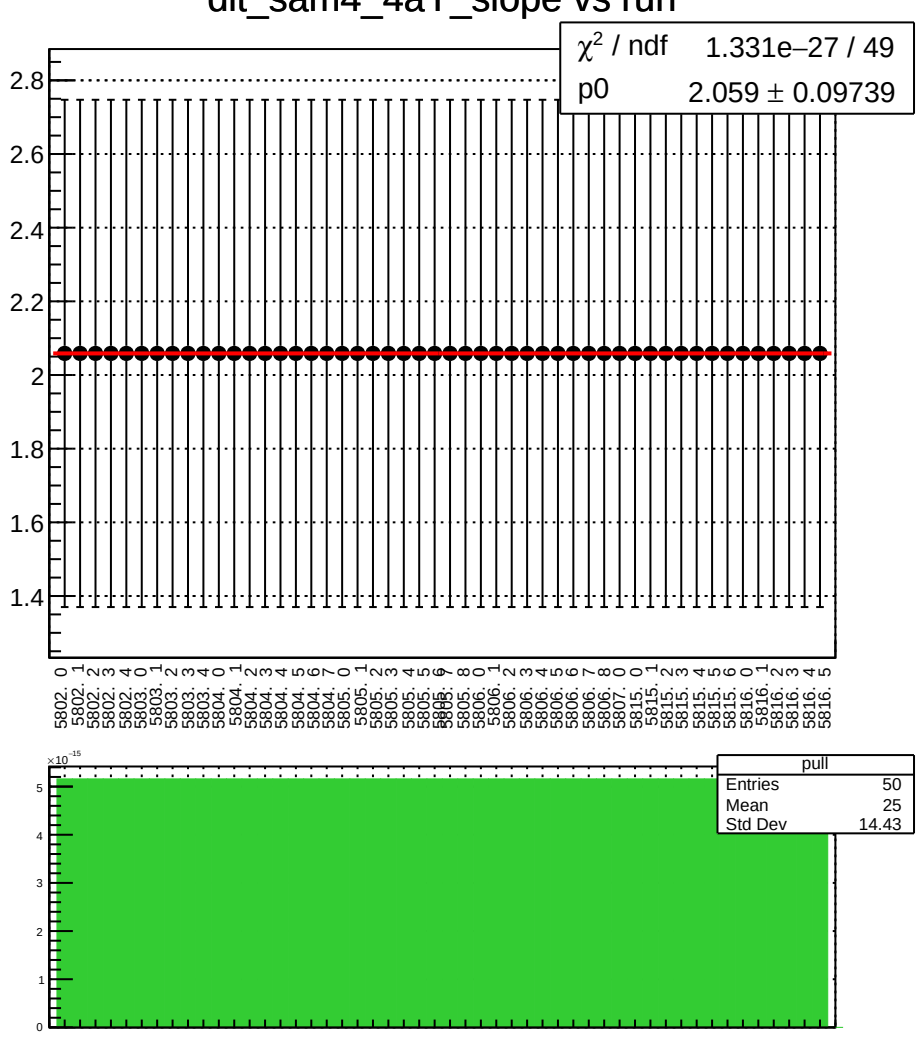

pull1D
Entries 50
Mean −1.209e−15
Std Dev 0

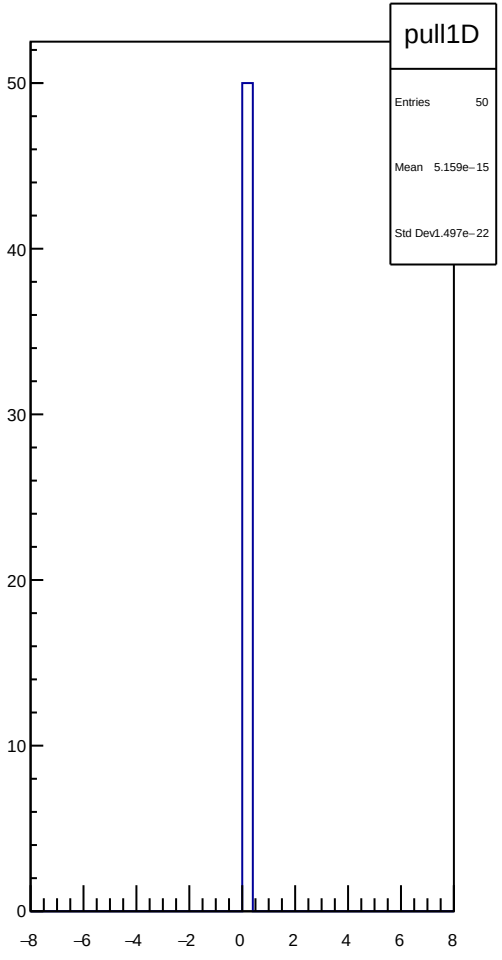

dit_sam4_4eX_slope vs run
χ² / ndf 1.452e−25 / 49
p0 −131.2 ± 0.3729
−129
−130
−131
−132
−133
−134
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
50
40
30
20
10
0

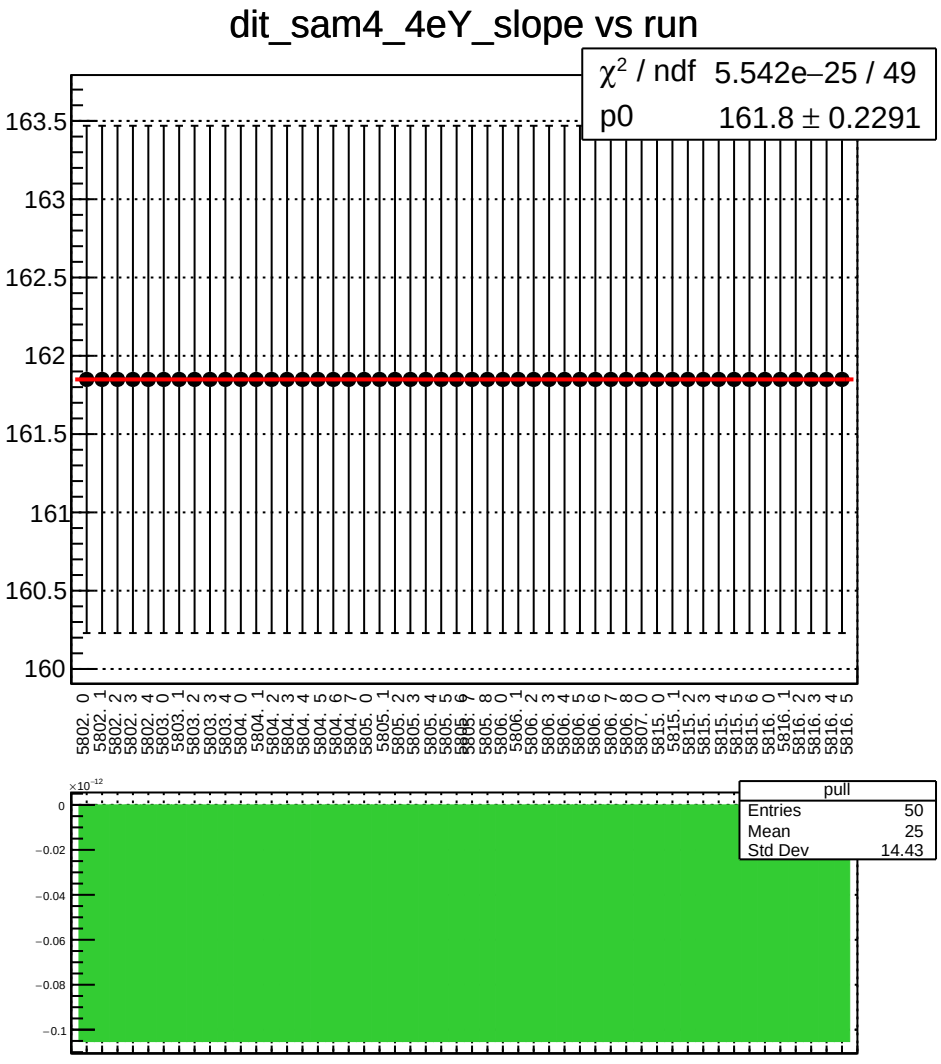

pull1D
Entries 50
Mean 5.389e−14
Std Dev3.225e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

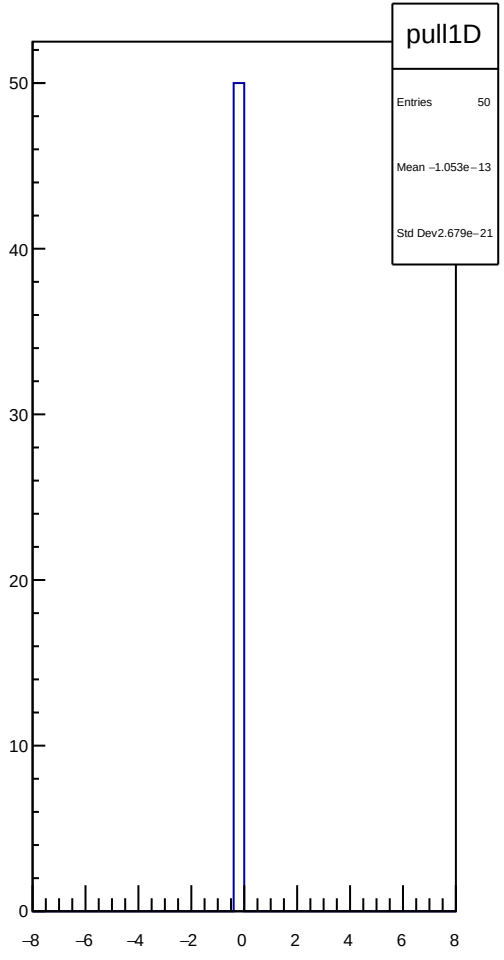

dit_sam4_11X12X_slope vs run
χ² / ndf 1.911e−27 / 49
p0 1.956 ± 0.06604
pull
Entries 50
Mean 25
Std Dev 14.43

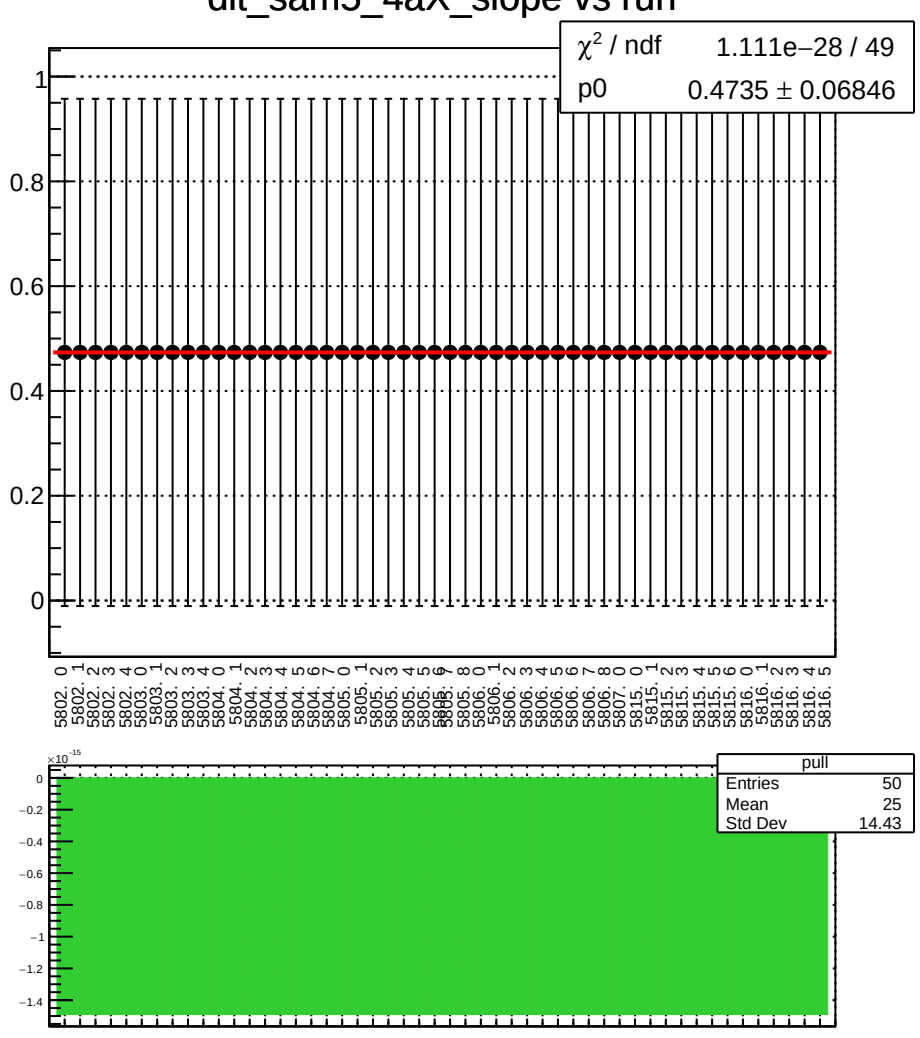

pull1D
Entries 50
Mean 6.182e−15
Std Dev1.834e−22

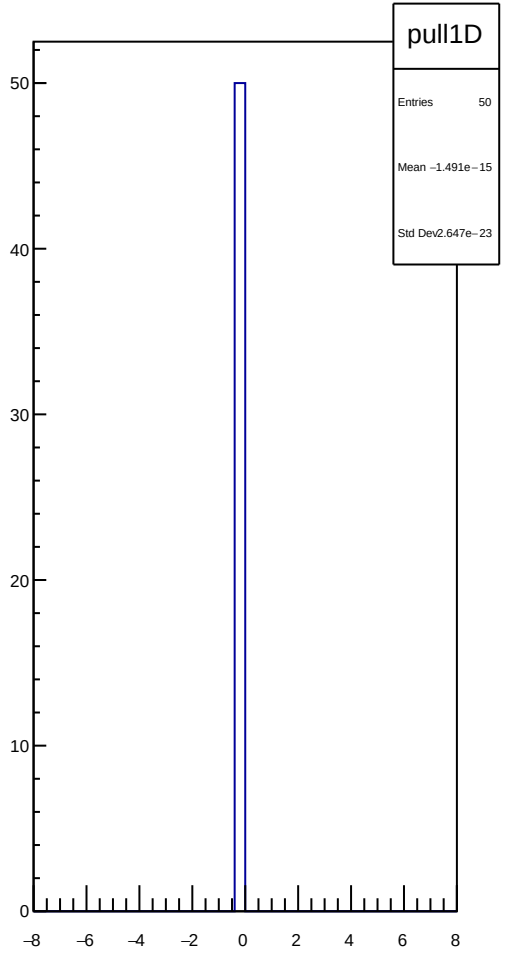

dit_sam4_4aY_slope vs run
χ² / ndf 1.331e−27 / 49
p0 2.059 ± 0.09739
pull
Entries 50
Mean 25
Std Dev 14.43

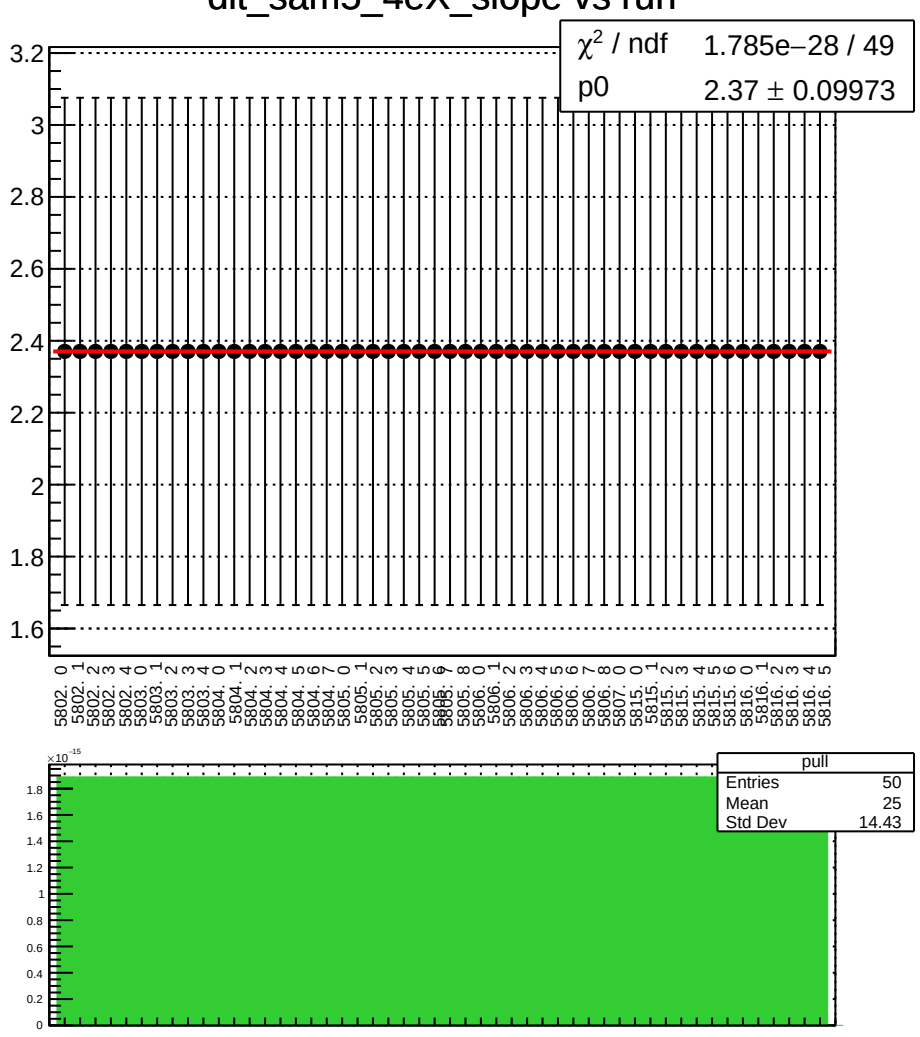

pull1D
Entries 50
Mean 5.159e−15
Std Dev1.497e−22

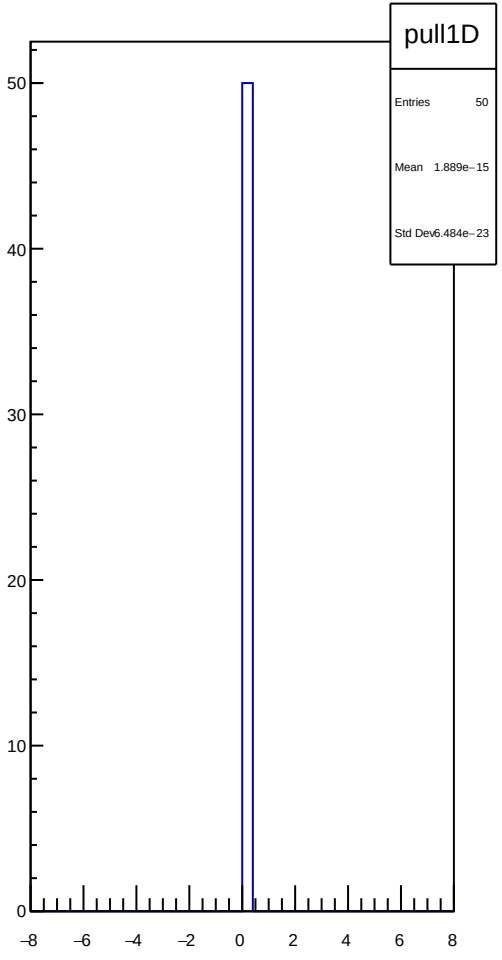

dit_sam4_4eY_slope vs run
χ² / ndf 5.542e−25 / 49
p0 161.8 ± 0.2291
163.5
163
162.5
162
161.5
161
160.5
160
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 50
Mean 25
Std Dev 14.43

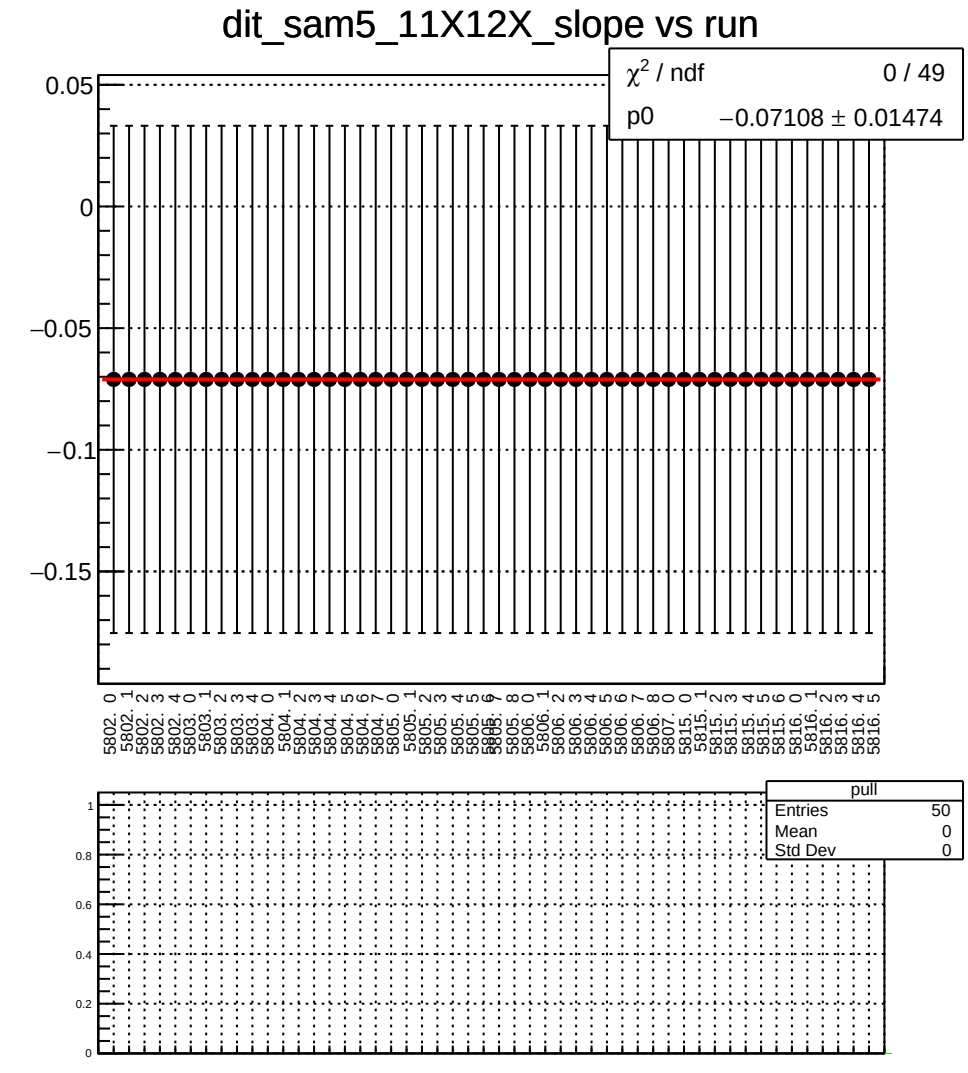

pull1D
Entries 50
Mean −1.053e−13
Std Dev2.679e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

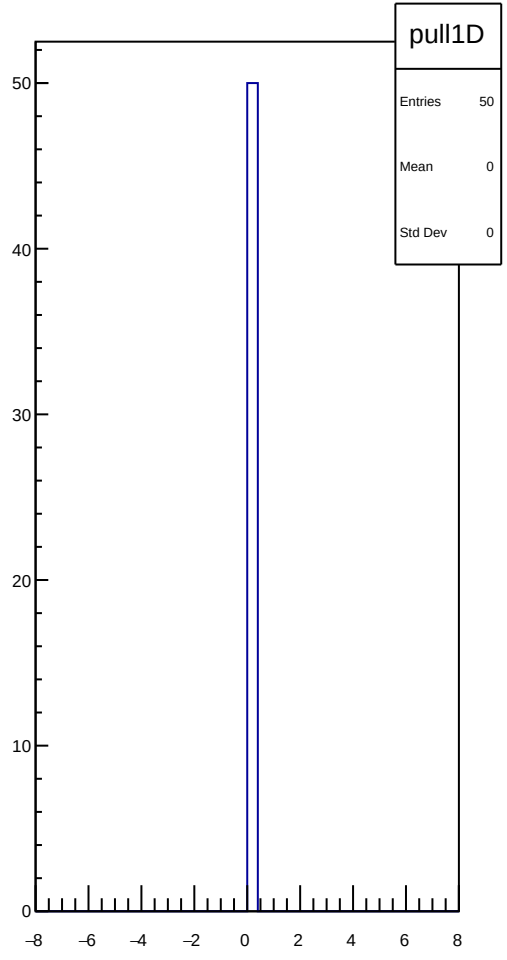

dit_sam5_4aX_slope vs run
χ² / ndf 1.111e−28 / 49
p0 0.4735 ± 0.06846
pull
Entries 50
Mean 25
Std Dev 14.43

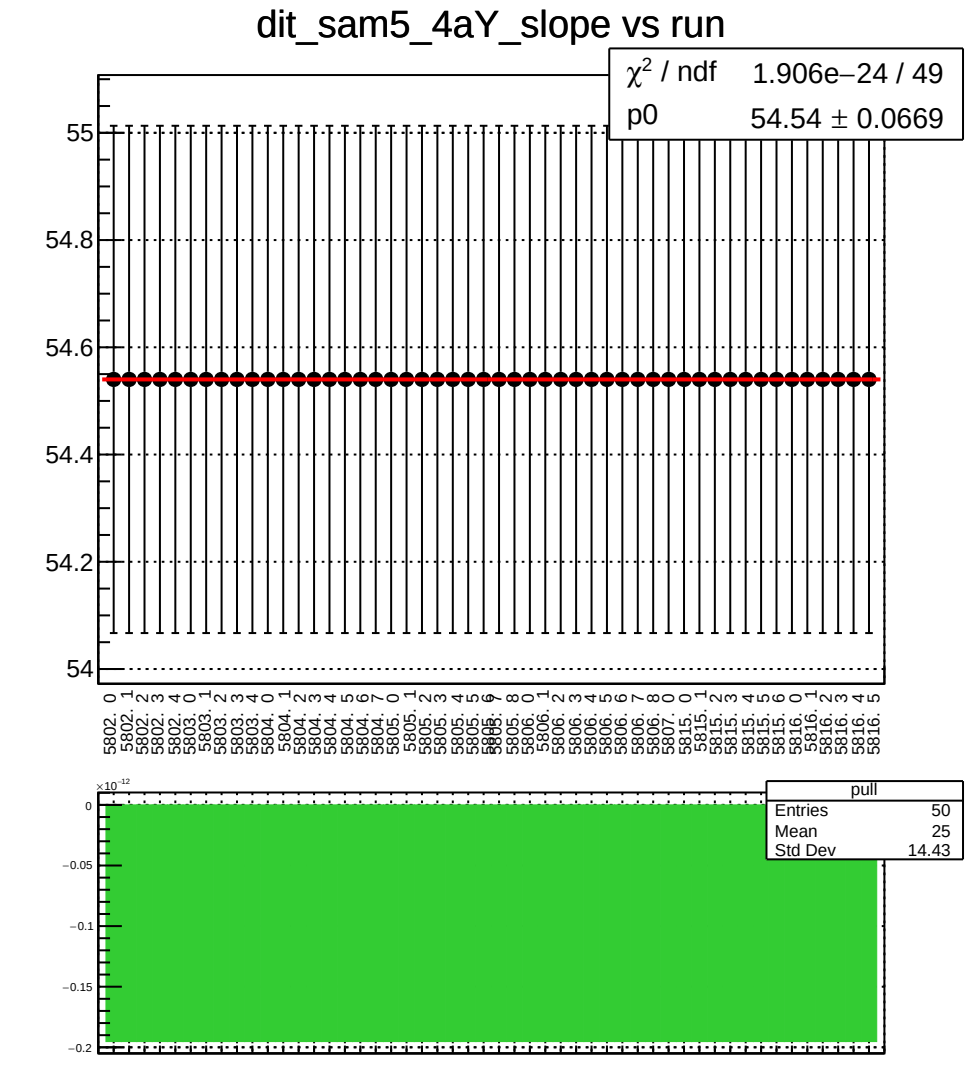

pull1D
Entries 50
Mean −1.491e−15
Std Dev 2.647e−23

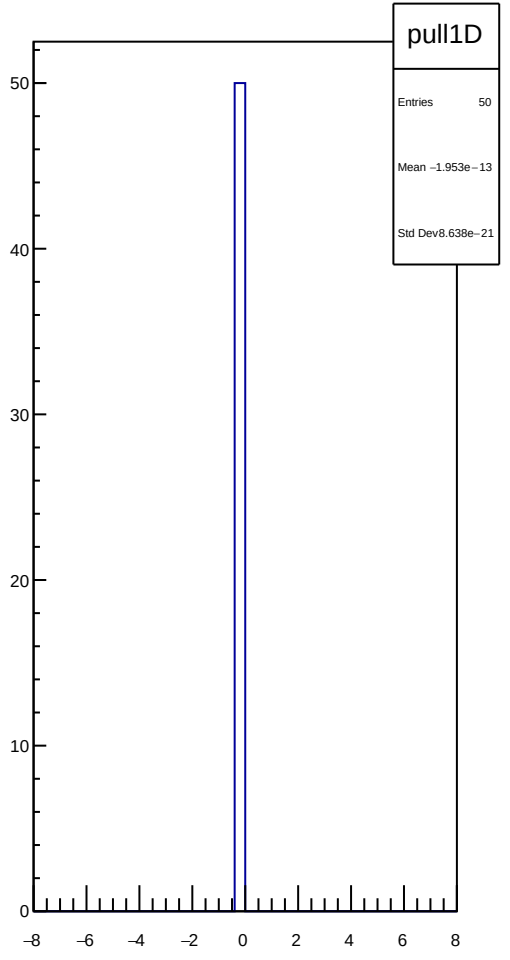

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.785e−28 / 49
p0 2.37 ± 0.09973
pull
Entries 50
Mean 25
Std Dev 14.43

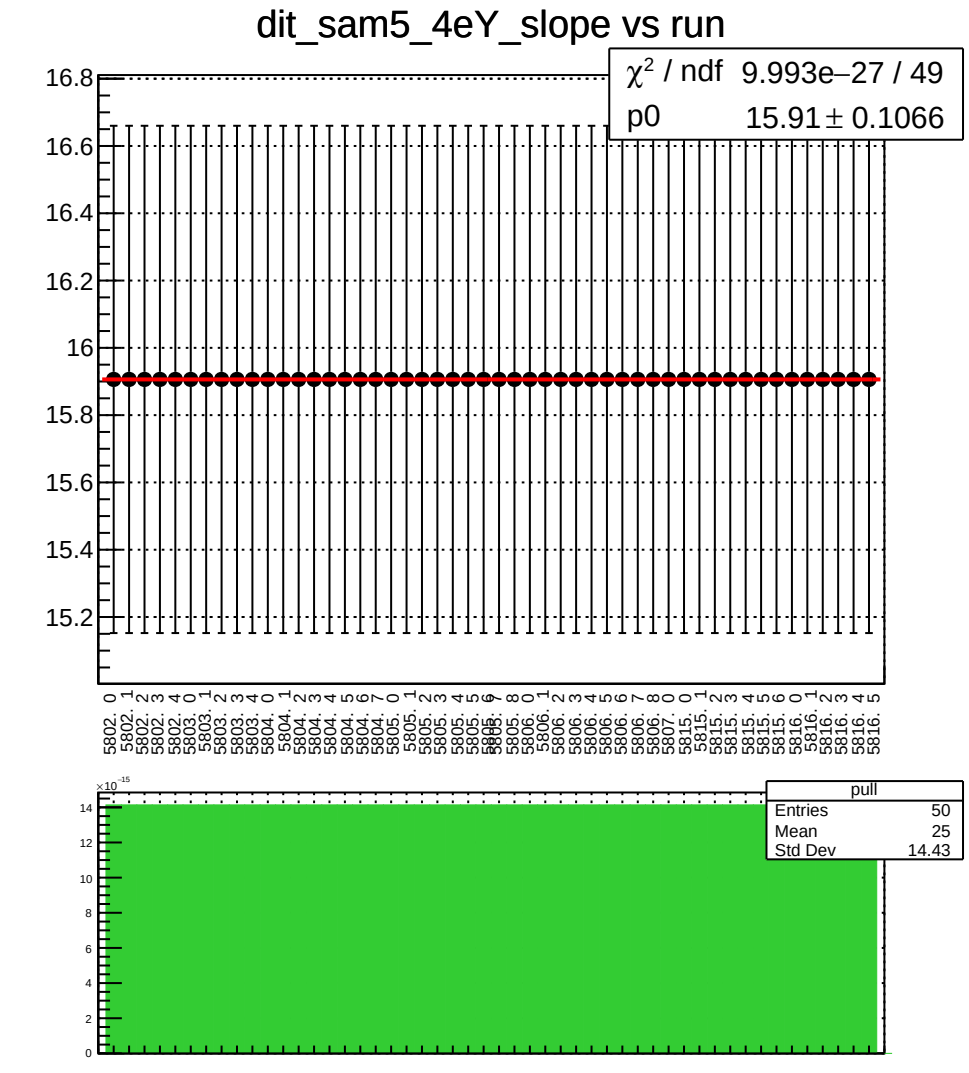

pull1D
Entries 50
Mean 1.889e−15
Std Dev 6.484e−23

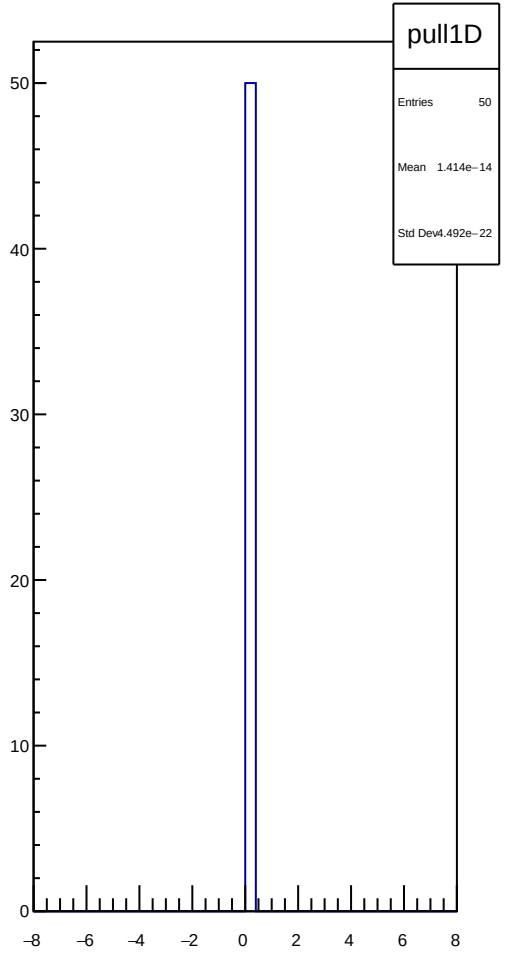

dit_sam5_11X12X_slope vs run
χ² / ndf 0 / 49
p0 −0.07108 ± 0.01474
0.05
0
−0.05
−0.1
−0.15
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

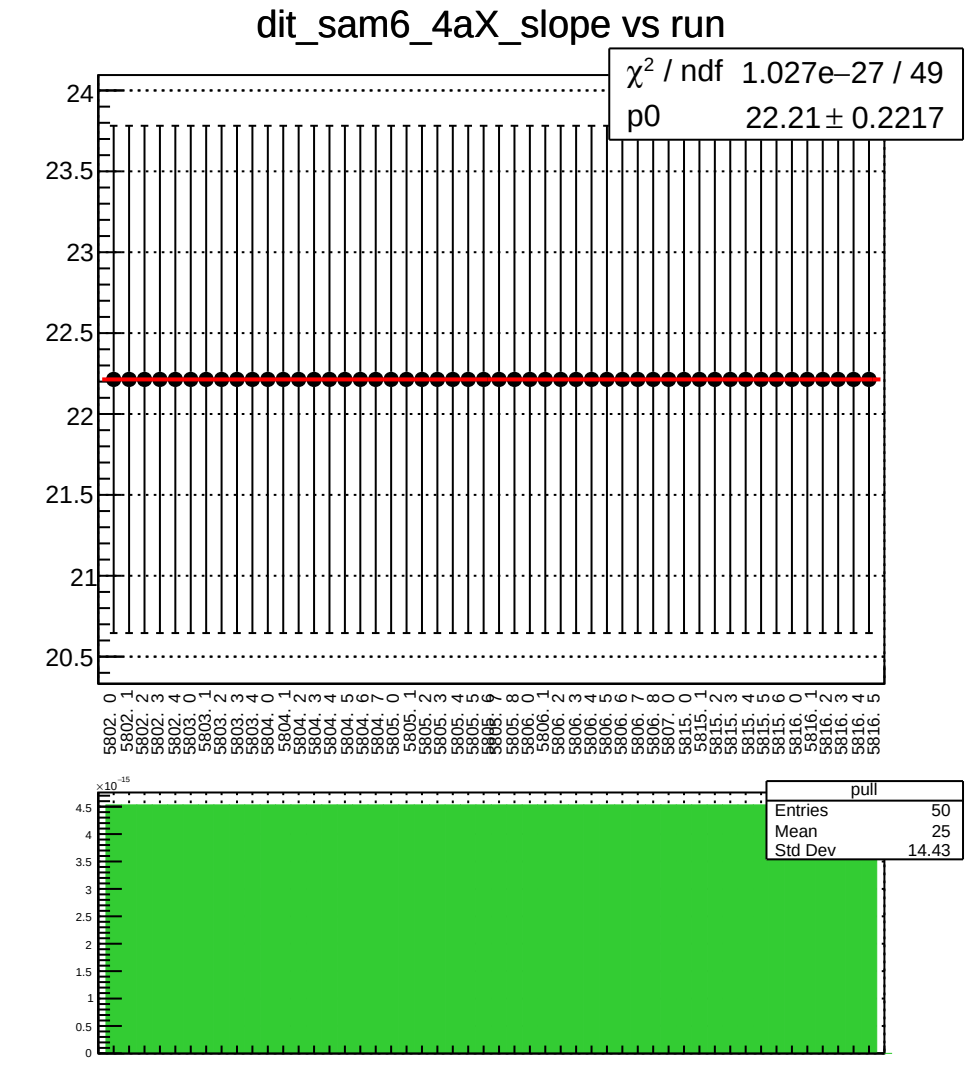

pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_4aY_slope vs run
χ² / ndf 1.906e−24 / 49
p0 54.54 ± 0.0669
55
54.8
54.6
54.4
54.2
54
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 50
Mean 25
Std Dev 14.43


pull1D
Entries 50
Mean −1.953e−13
Std Dev8.638e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_4eY_slope vs run
χ² / ndf 9.993e−27 / 49
p0 15.91 ± 0.1066
16.8
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43


pull1D
Entries 50
Mean 1.414e−14
Std Dev 4.492e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_4aX_slope vs run
χ² / ndf 1.027e−27 / 49
p0 22.21 ± 0.2217
24
23.5
23
22.5
22
21.5
21
20.5
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
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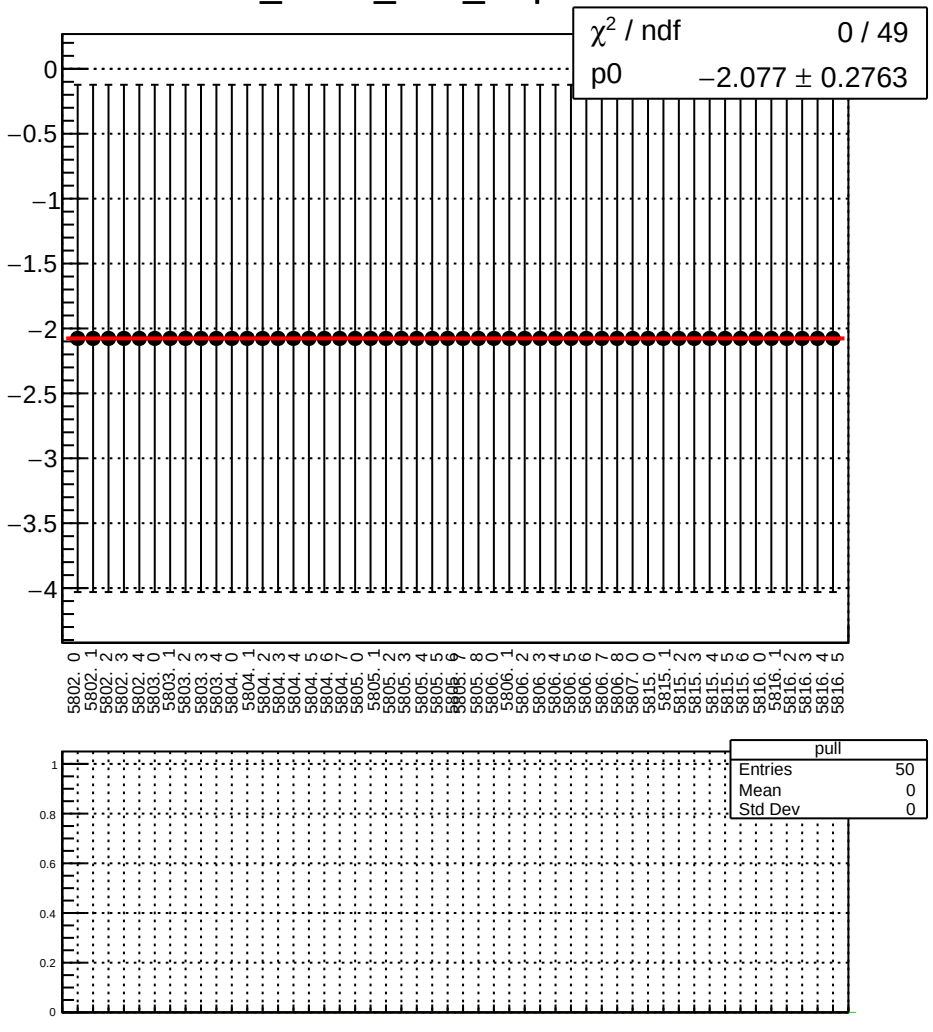
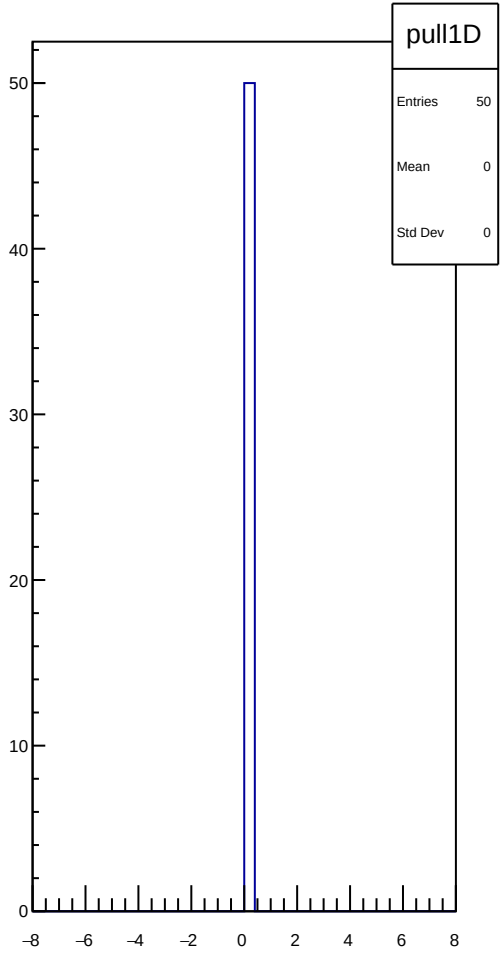
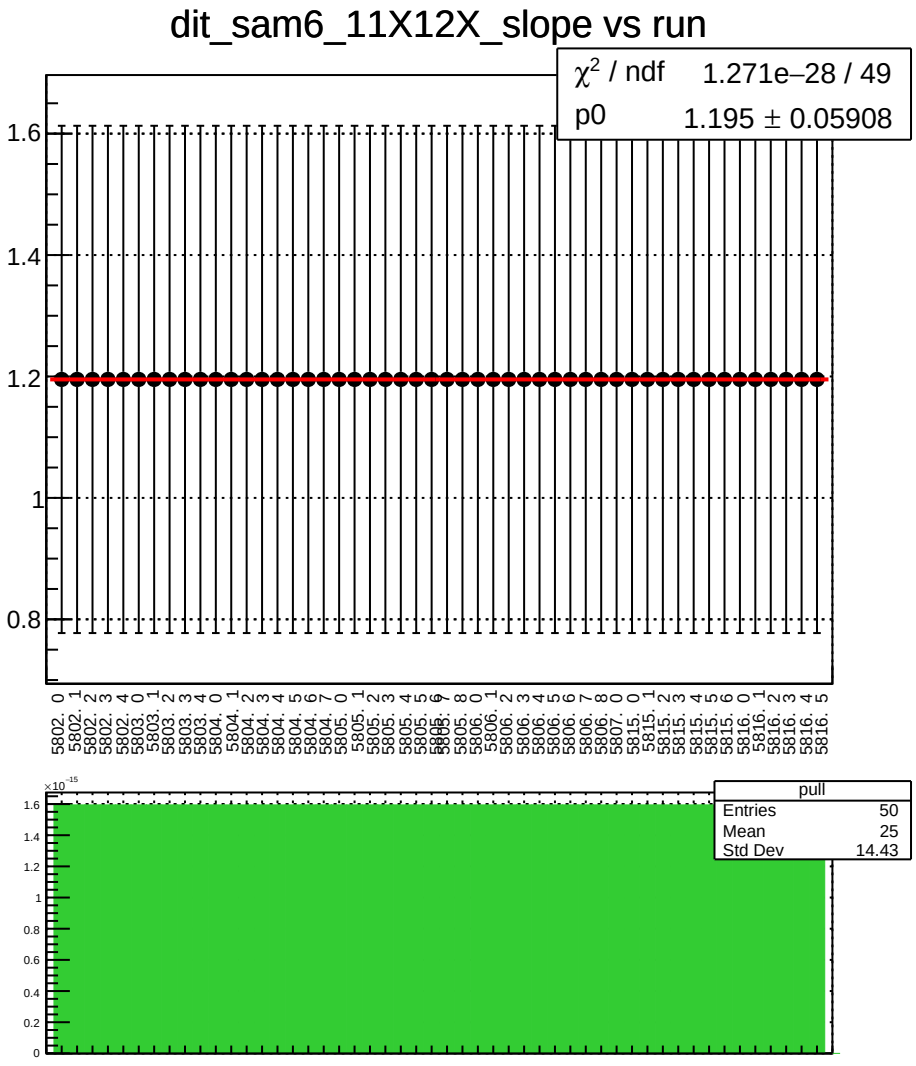
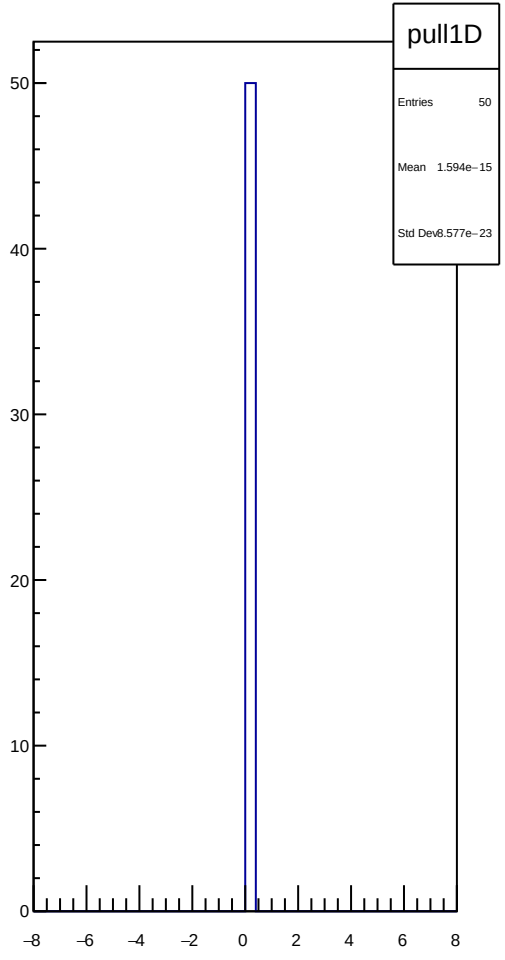
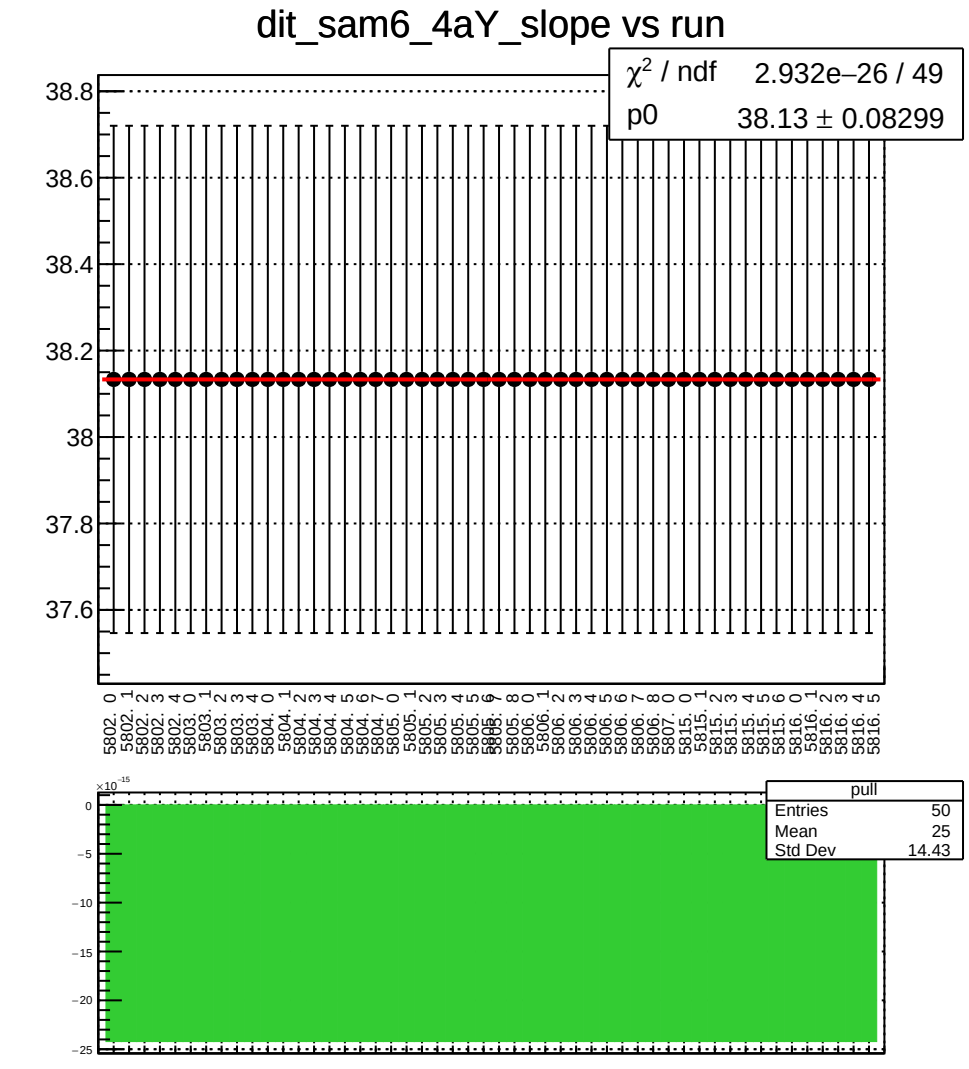
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 4.532e−15
Std Dev 1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

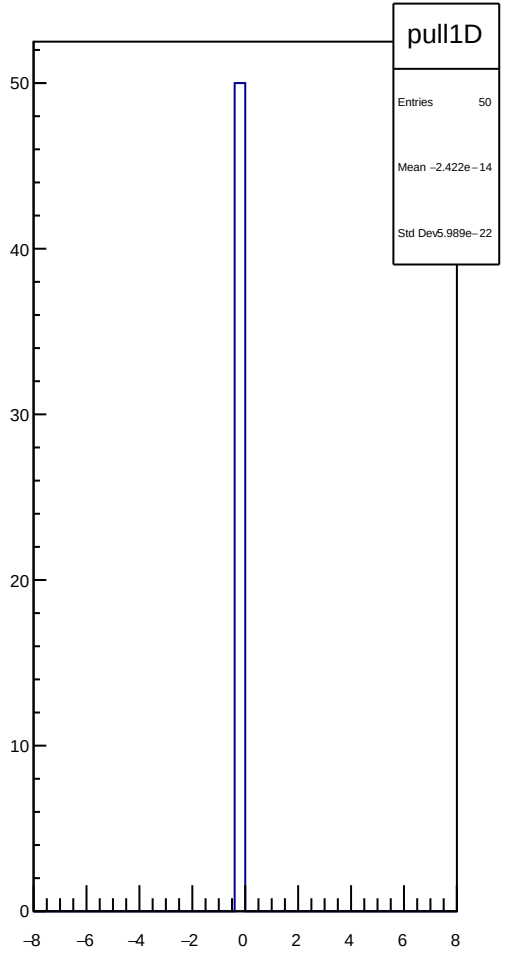

dit_sam6_4eX_slope vs run
χ² / ndf 0 / 49
p0 −2.077 ± 0.2763
pull
Entries 50
Mean 0
Std Dev 0

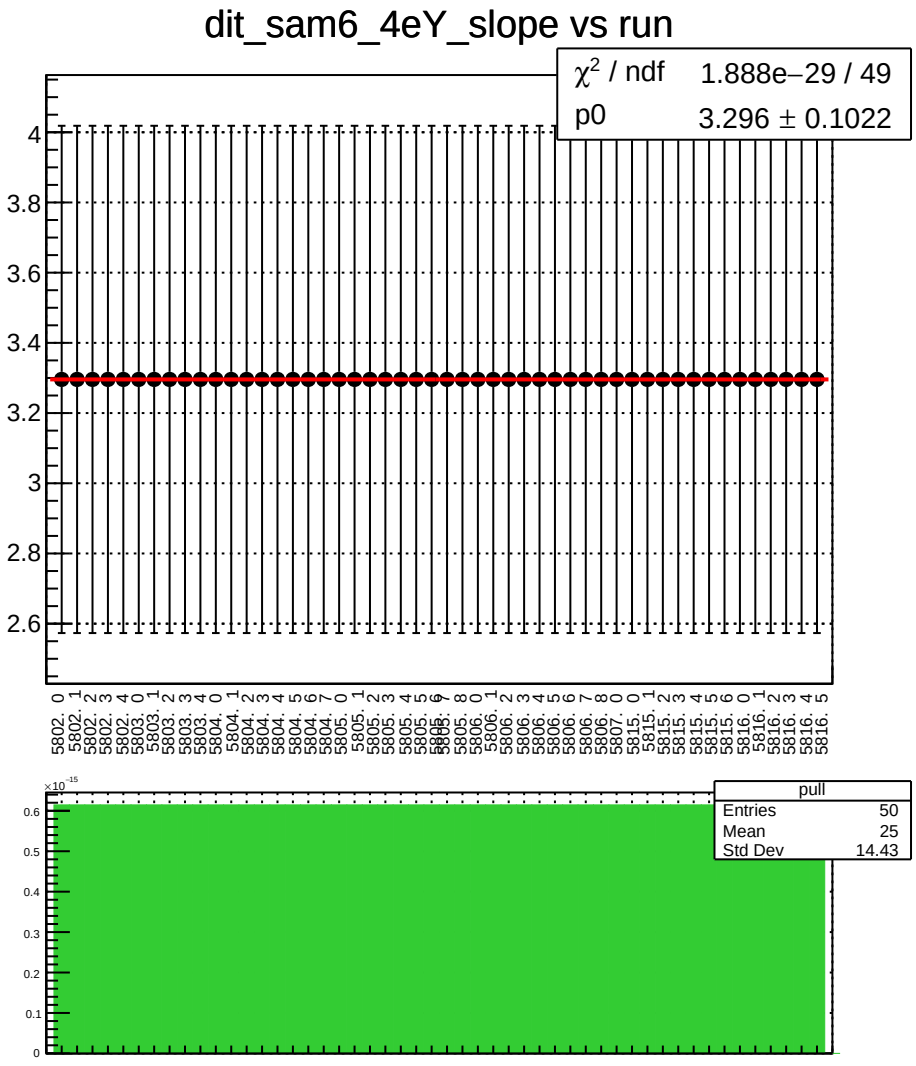

pull1D
Entries 50
Mean 0
Std Dev 0

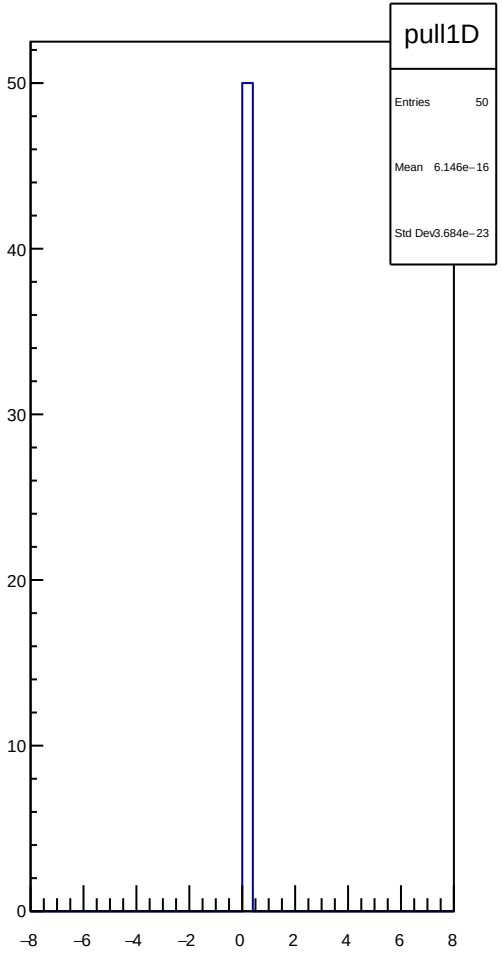

dit_sam6_11X12X_slope vs run
χ² / ndf 1.271e−28 / 49
p0 1.195 ± 0.05908
1.6
1.4
1.2
1
0.8
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

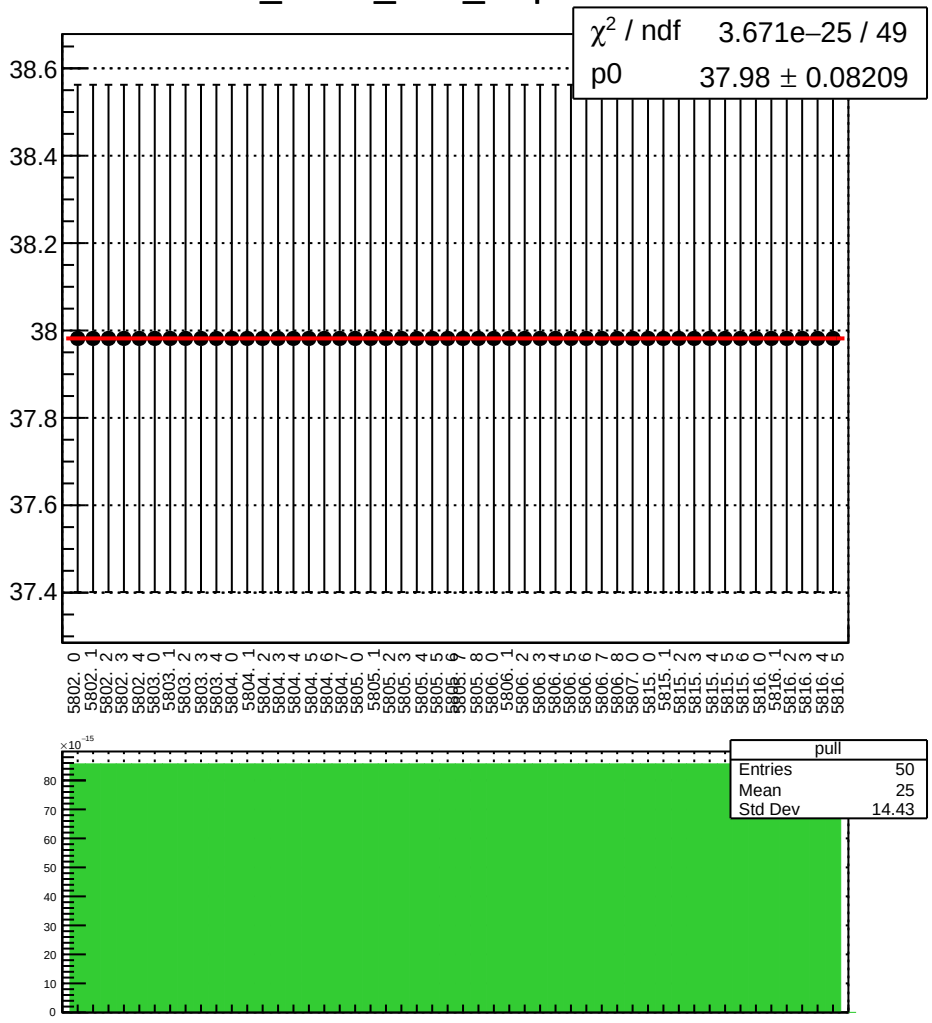

pull1D
Entries 50
Mean 1.594e−15
Std Dev 8.577e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

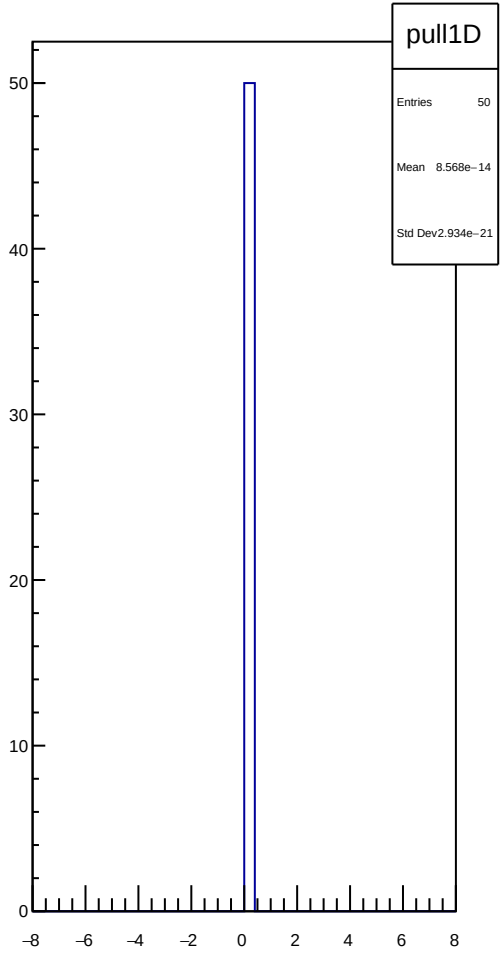

dit_sam6_4aY_slope vs run
χ² / ndf 2.932e−26 / 49
p0 38.13 ± 0.08299
38.8
38.6
38.4
38.2
38
37.8
37.6
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−5
−10
−15
−20
−25

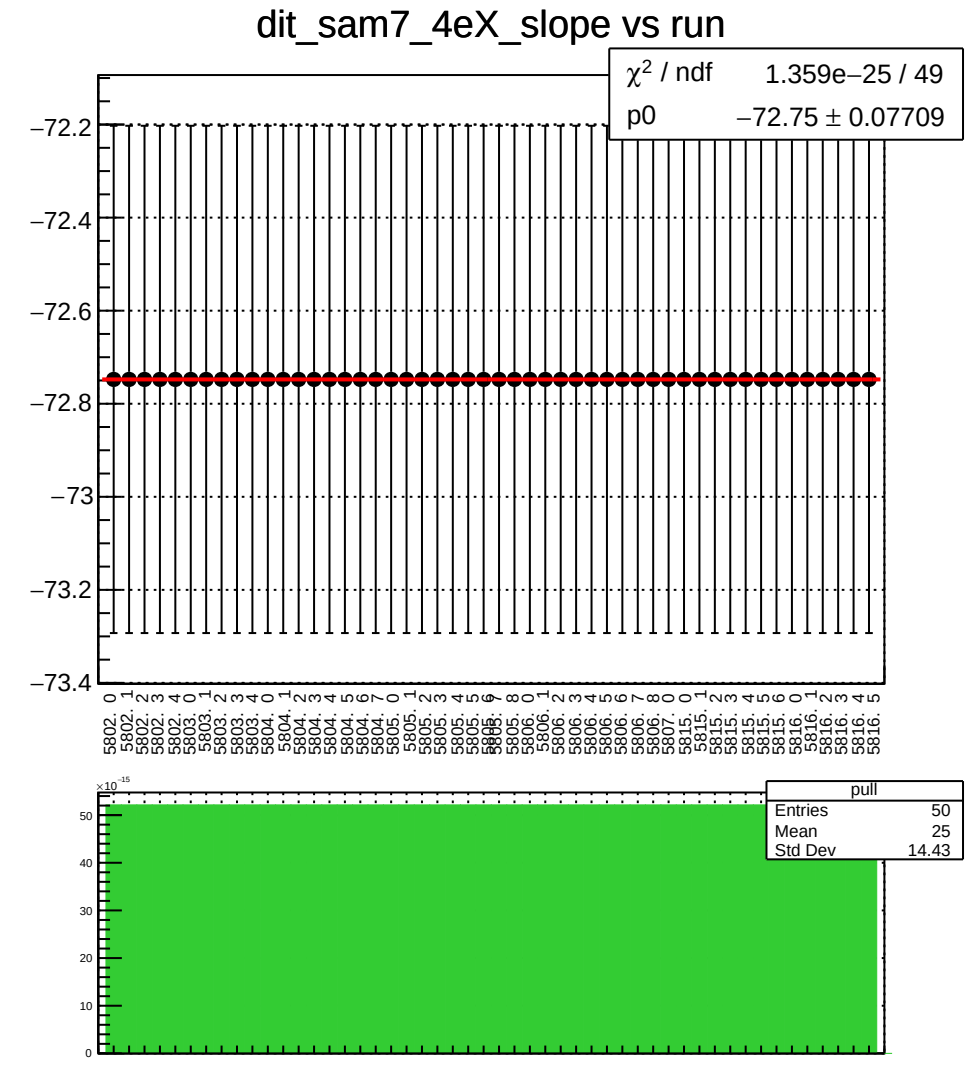

pull1D
Entries 50
Mean −2.422e−14
Std Dev5.989e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

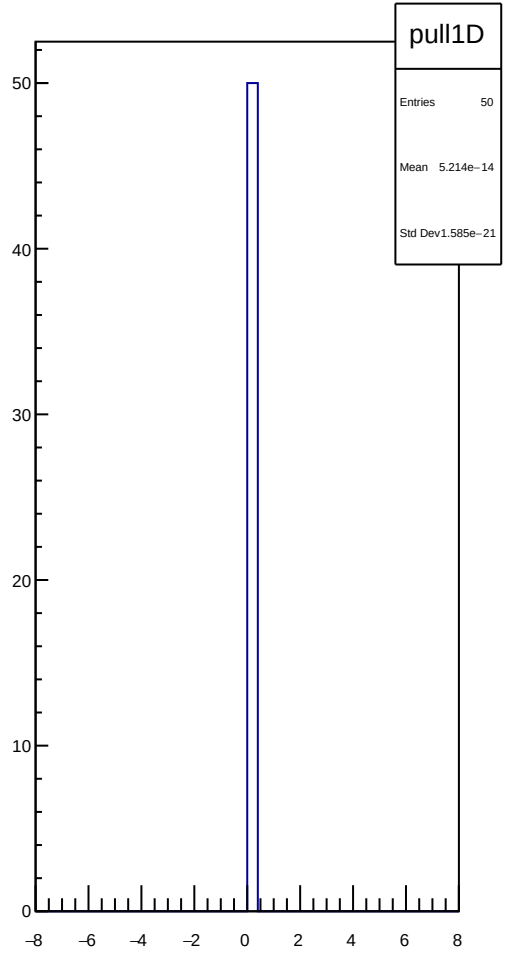

dit_sam6_4eY_slope vs run
χ² / ndf 1.888e−29 / 49
p0 3.296 ± 0.1022
pull
Entries 50
Mean 25
Std Dev 14.43

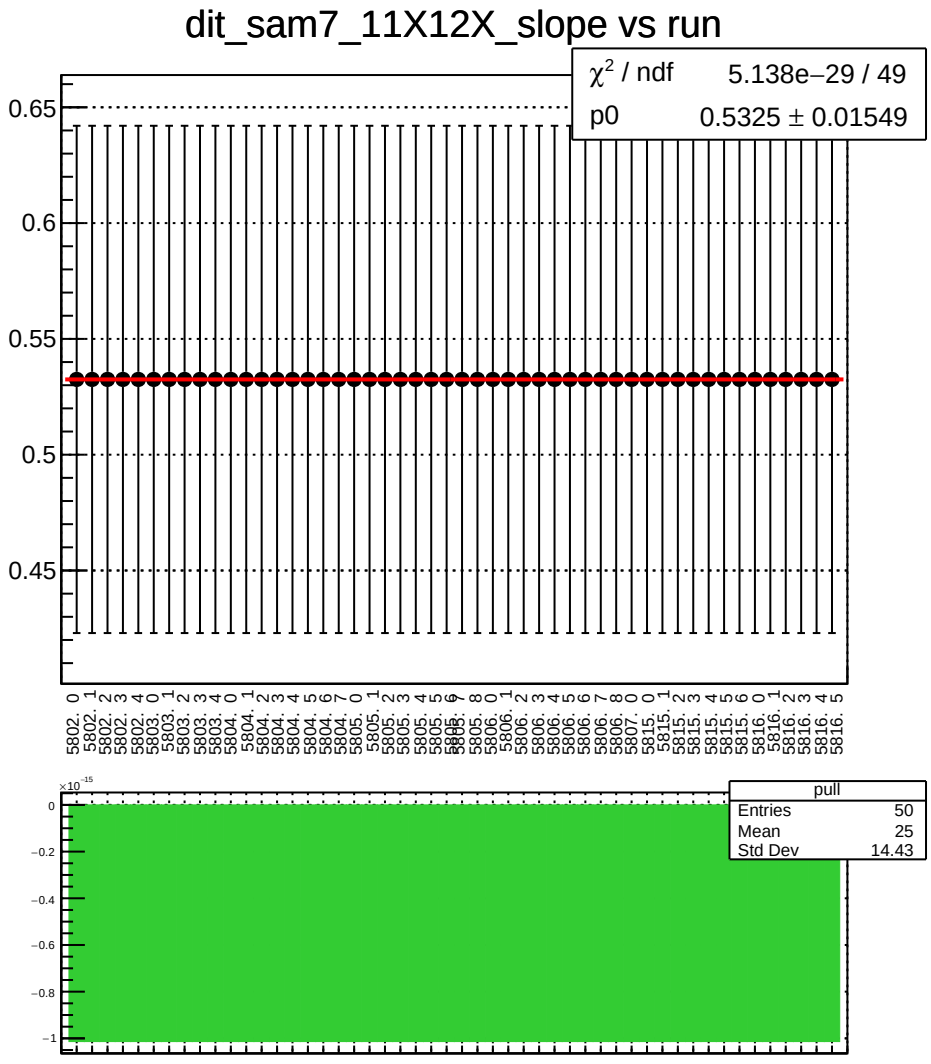

pull1D
Entries 50
Mean 6.146e−16
Std Dev 3.684e−23

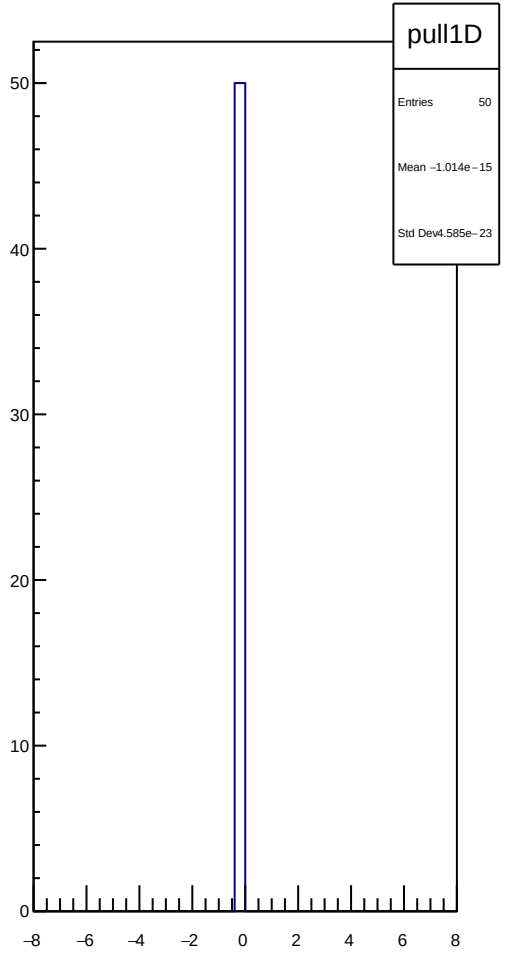

dit_sam7_4aX_slope vs run
χ² / ndf 3.671e−25 / 49
p0 37.98 ± 0.08209
38.6
38.4
38.2
38
37.8
37.6
37.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

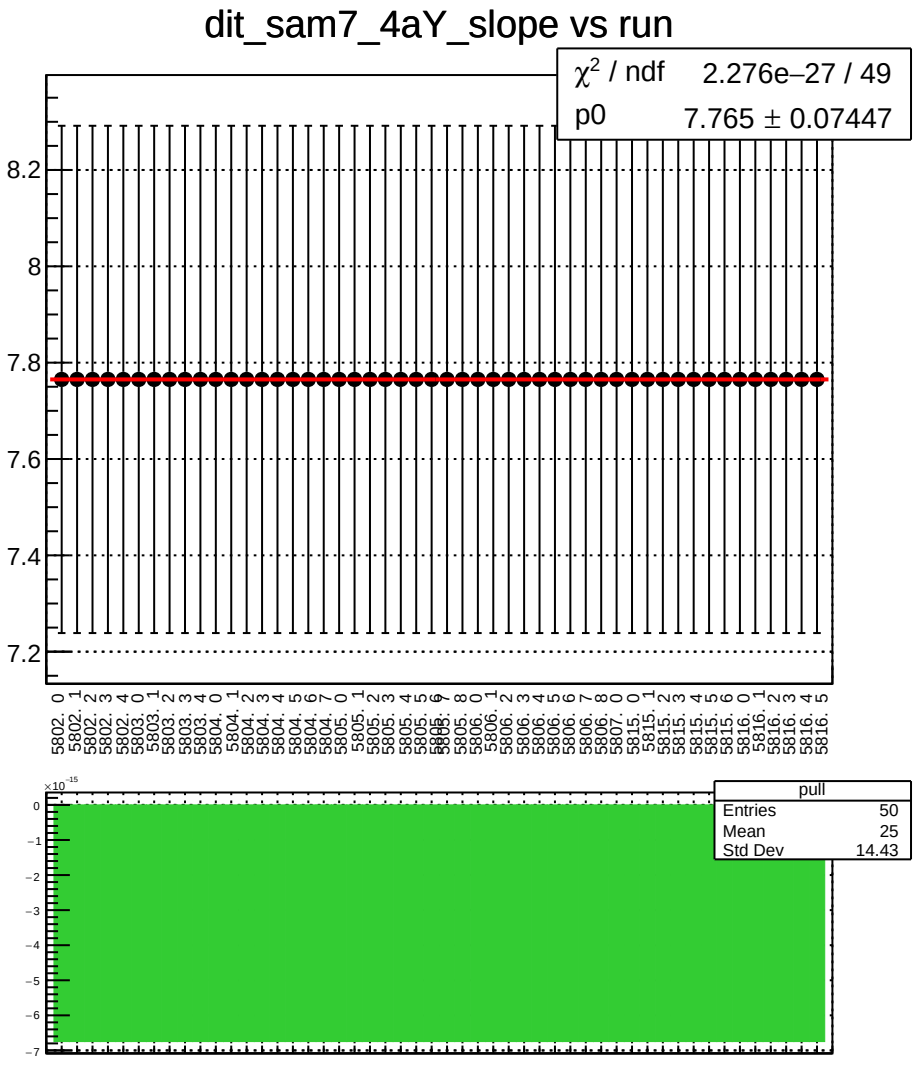

pull1D
Entries 50
Mean 8.568e−14
Std Dev2.934e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

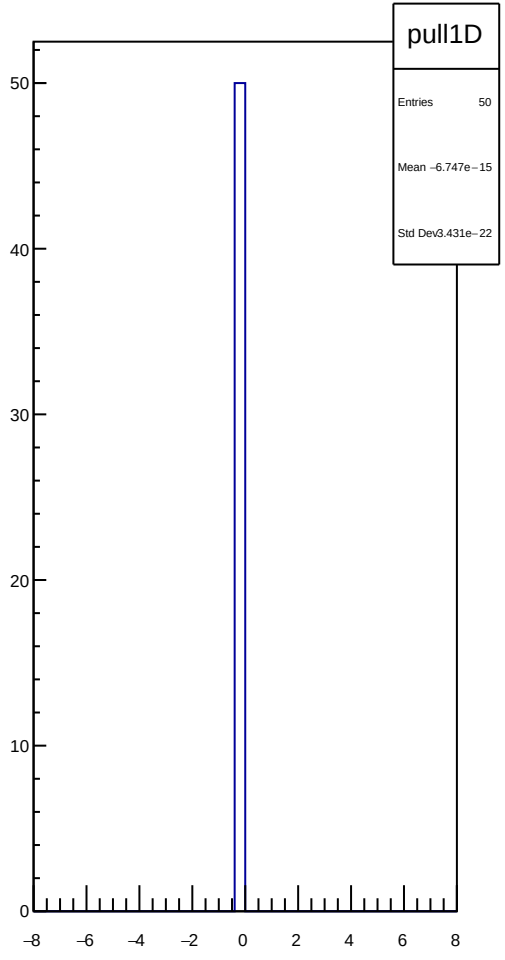

dit_sam7_4eX_slope vs run
χ² / ndf 1.359e−25 / 49
p0 −72.75 ± 0.07709
−72.2
−72.4
−72.6
−72.8
−73
−73.2
−73.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
50
40
30
20
10
0

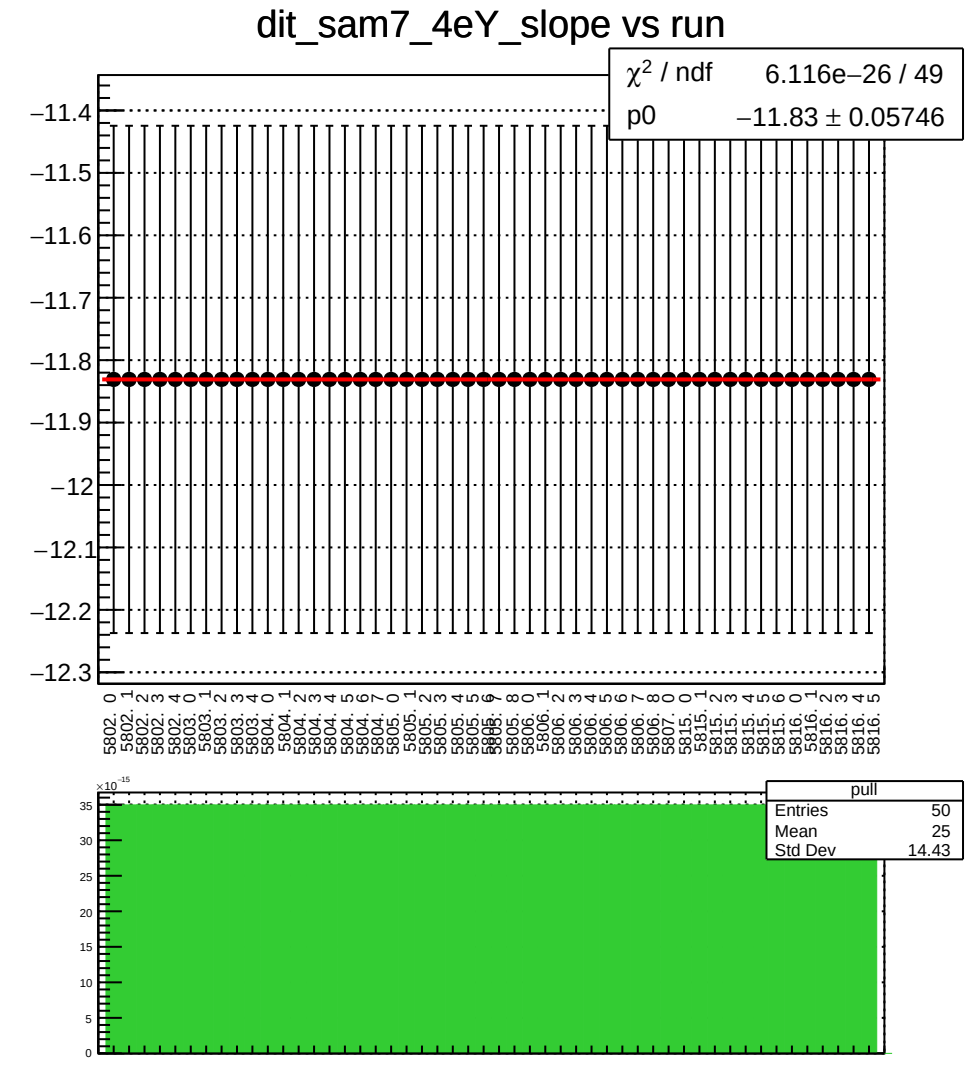

pull1D
Entries 50
Mean 5.214e−14
Std Dev 1.585e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

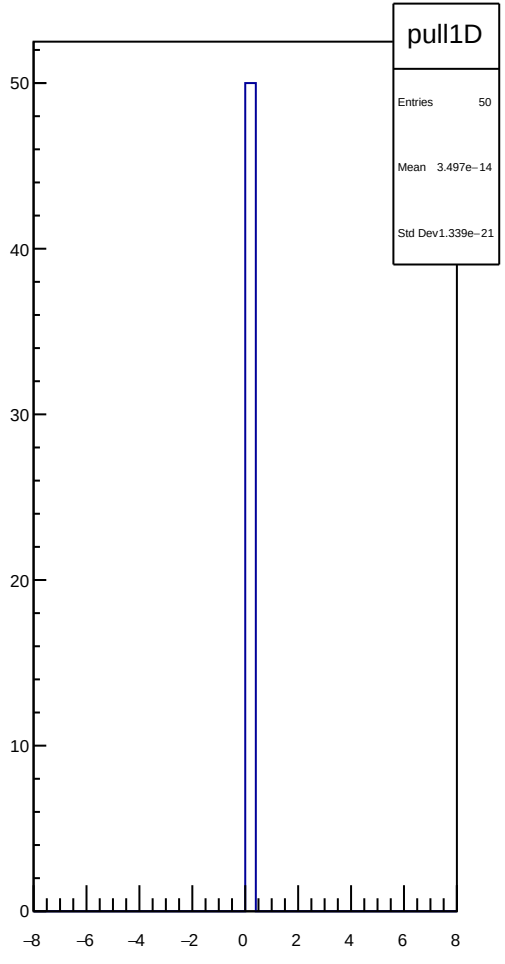

dit_sam7_11X12X_slope vs run
χ² / ndf 5.138e−29 / 49
p0 0.5325 ± 0.01549
0.65
0.6
0.55
0.5
0.45
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1

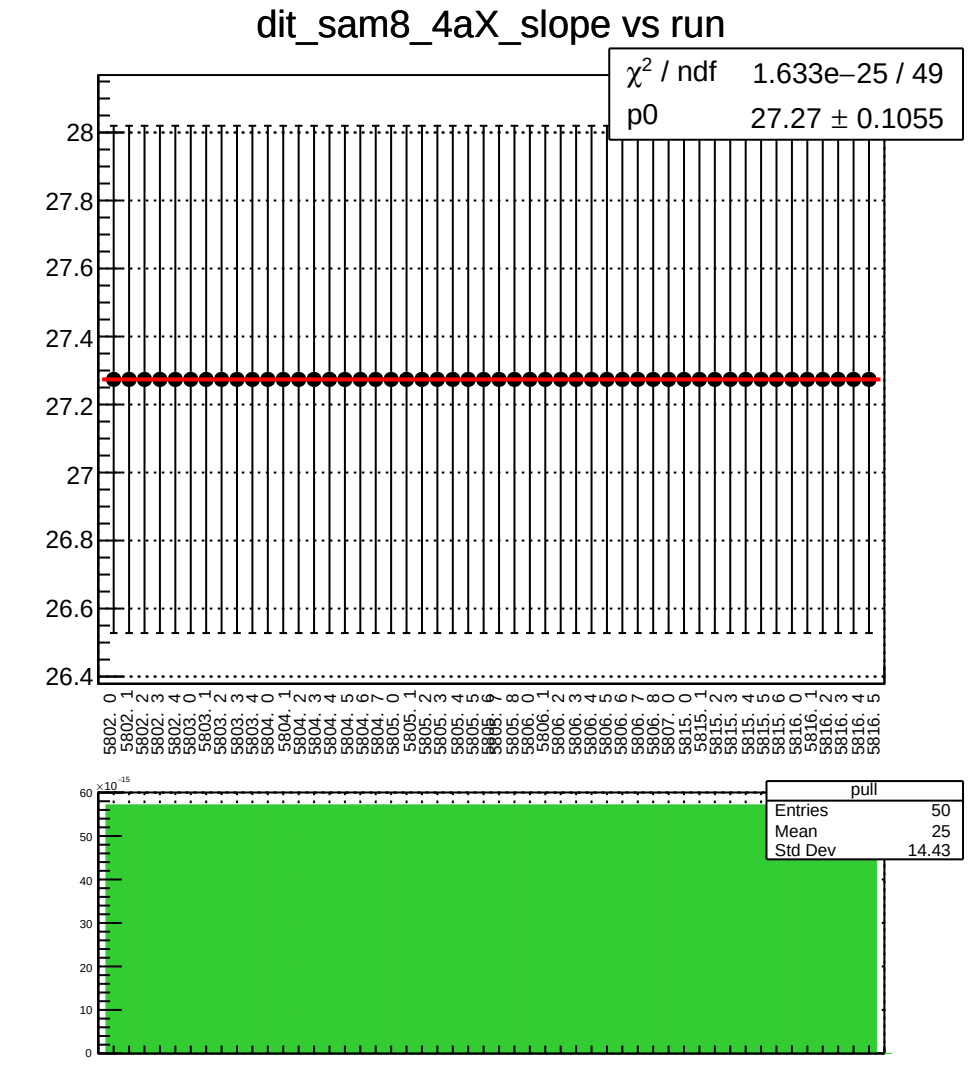

pull1D
Entries 50
Mean −1.014e−15
Std Dev4.585e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

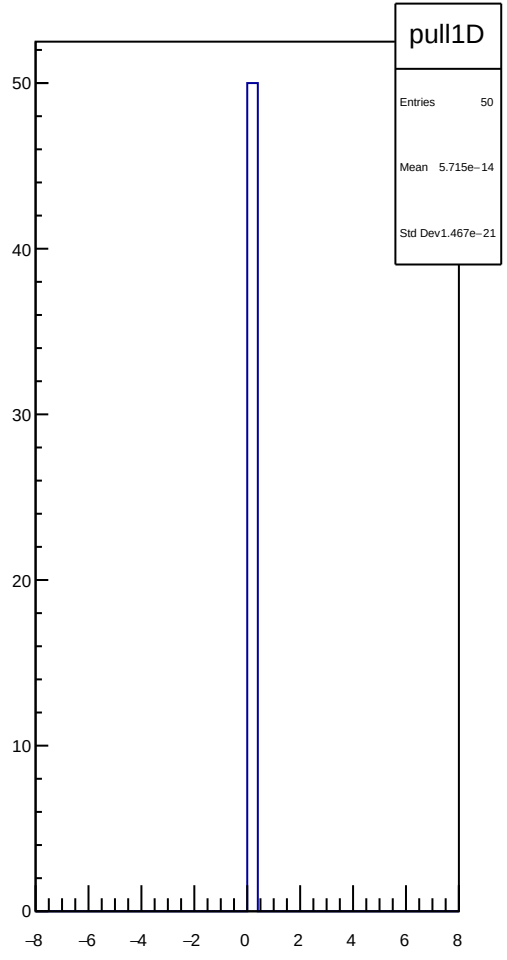

dit_sam7_4aY_slope vs run
χ² / ndf 2.276e−27 / 49
p0 7.765 ± 0.07447
8.2
8
7.8
7.6
7.4
7.2
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

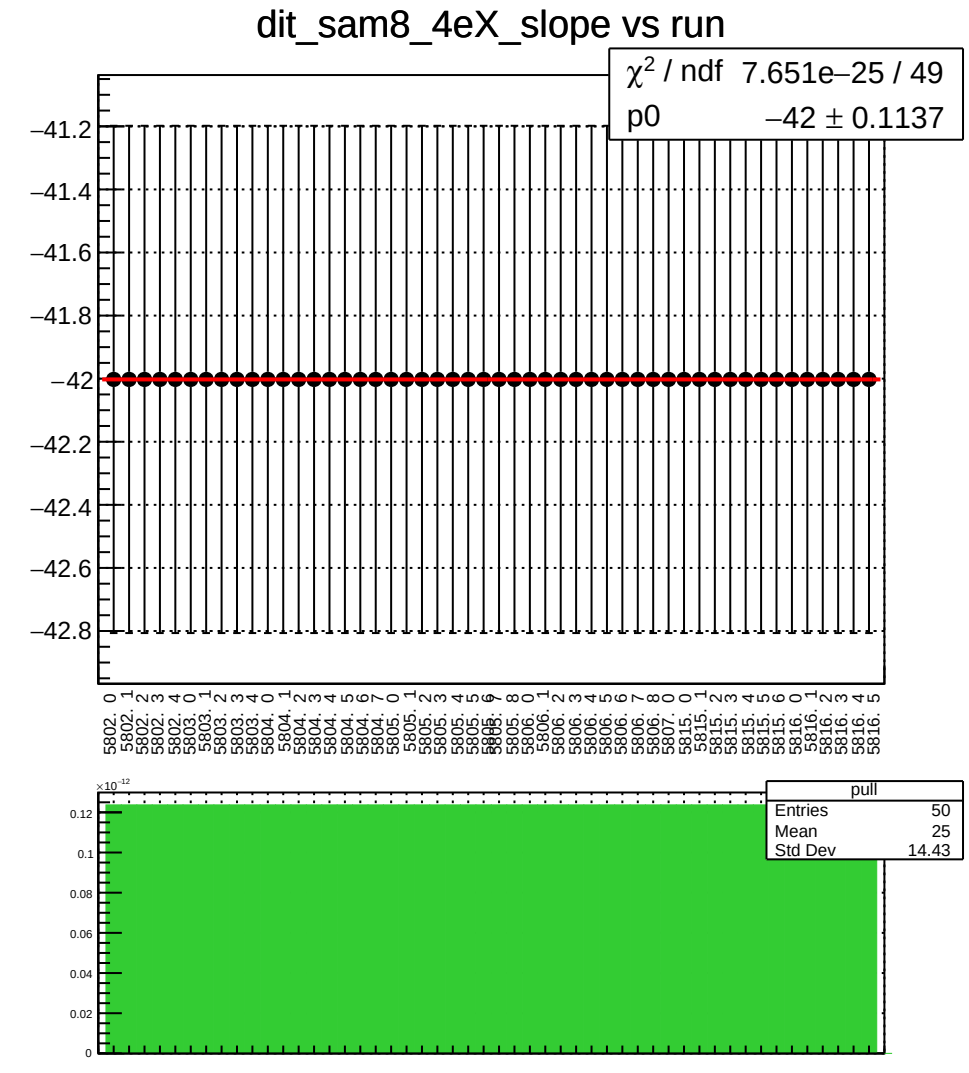

pull1D
Entries 50
Mean −6.747e−15
Std Dev3.431e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

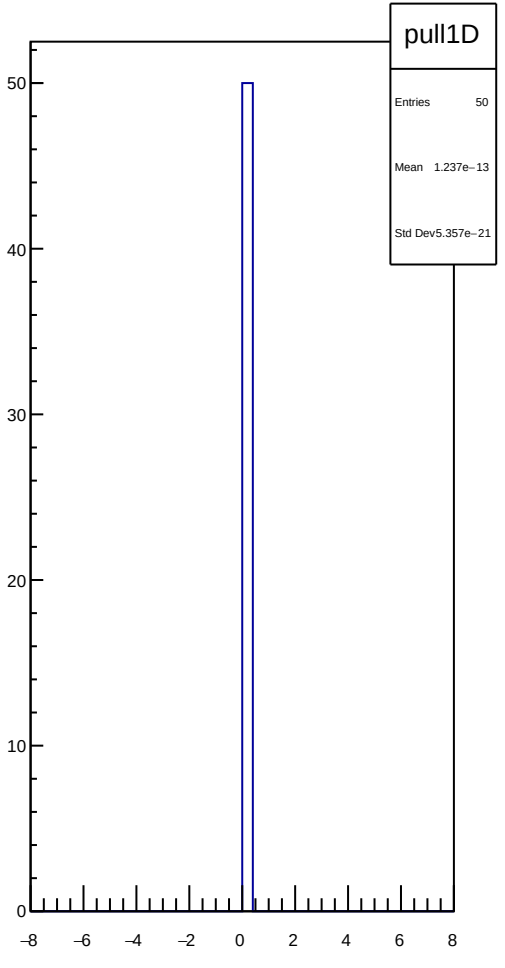

dit_sam7_4eY_slope vs run
χ² / ndf 6.116e−26 / 49
p0 −11.83 ± 0.05746
−11.4
−11.5
−11.6
−11.7
−11.8
−11.9
−12
−12.1
−12.2
−12.3
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
35
30
25
20
15
10
5
0

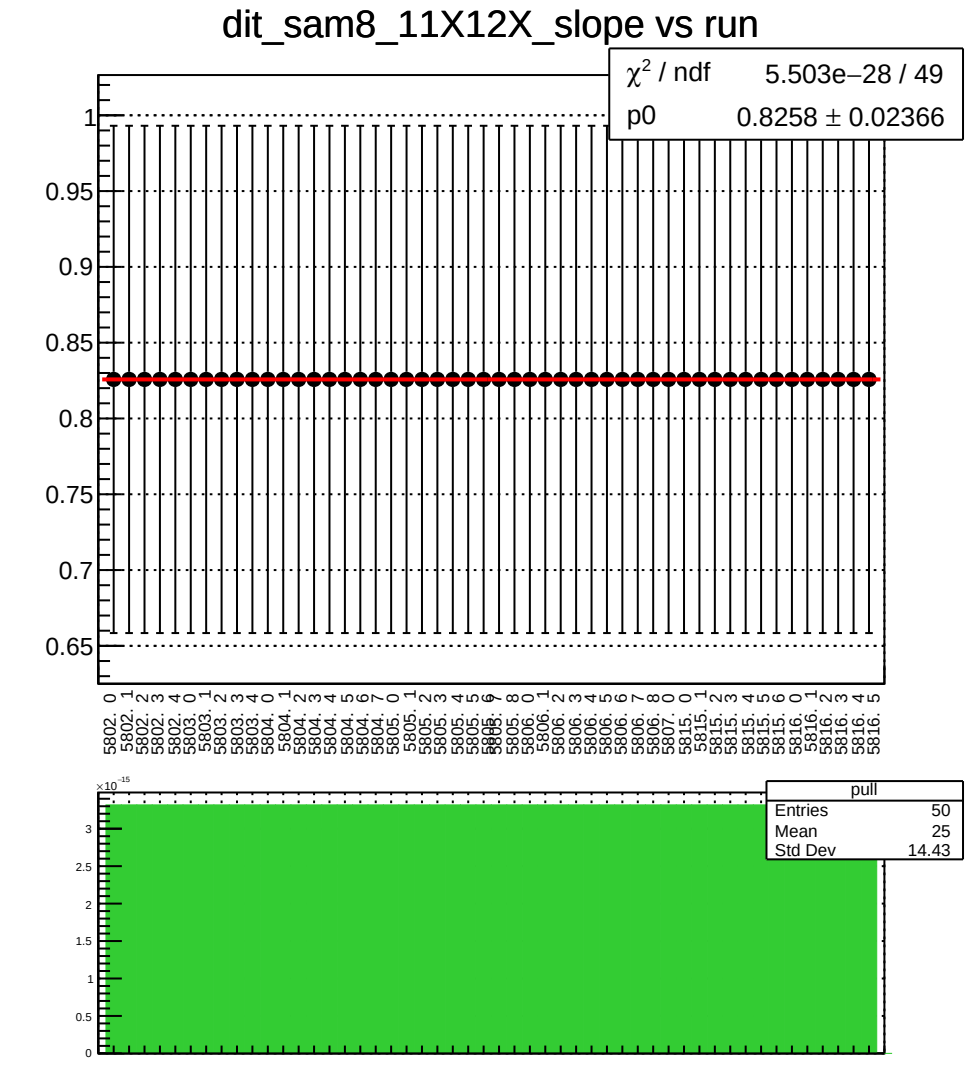

pull1D
Entries 50
Mean 3.497e−14
Std Dev1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

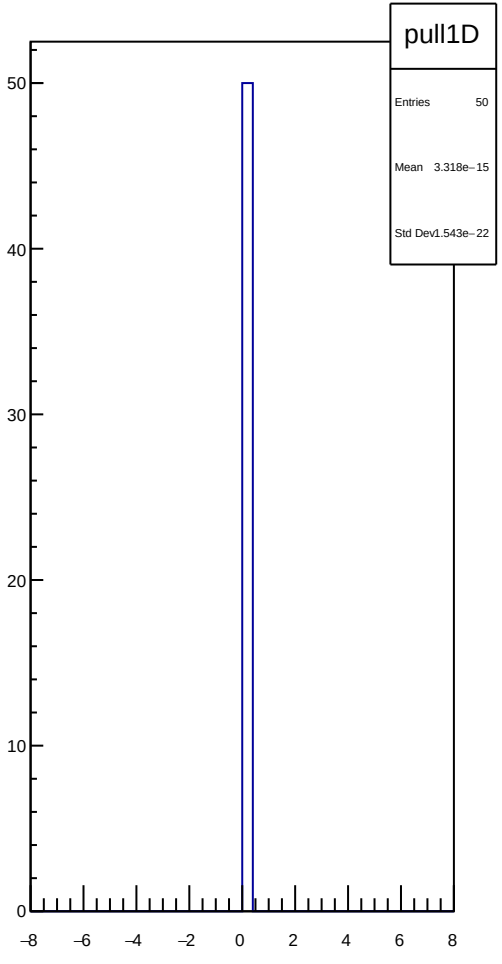

dit_sam8_4aX_slope vs run
χ² / ndf 1.633e−25 / 49
p0 27.27 ± 0.1055
28
27.8
27.6
27.4
27.2
27
26.8
26.6
26.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
60
50
40
30
20
10
0

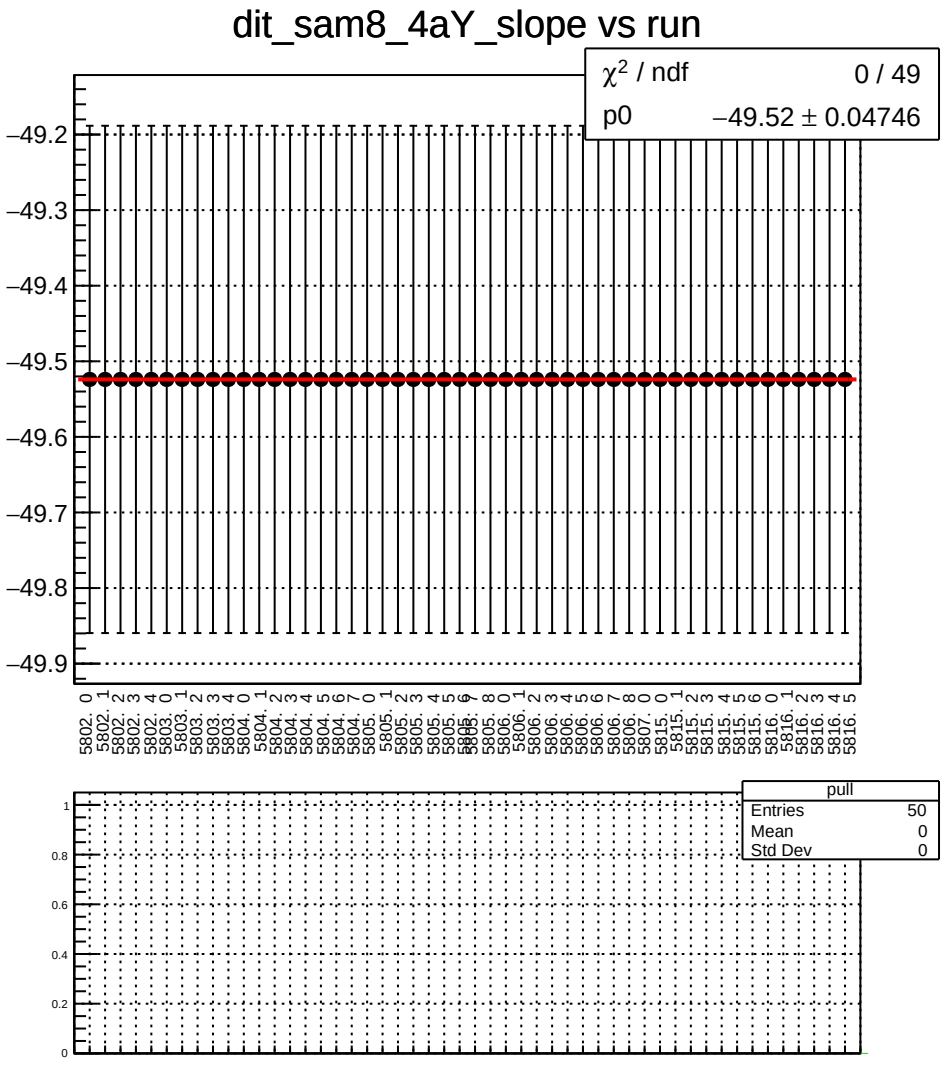

pull1D
Entries 50
Mean 5.715e−14
Std Dev1.467e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

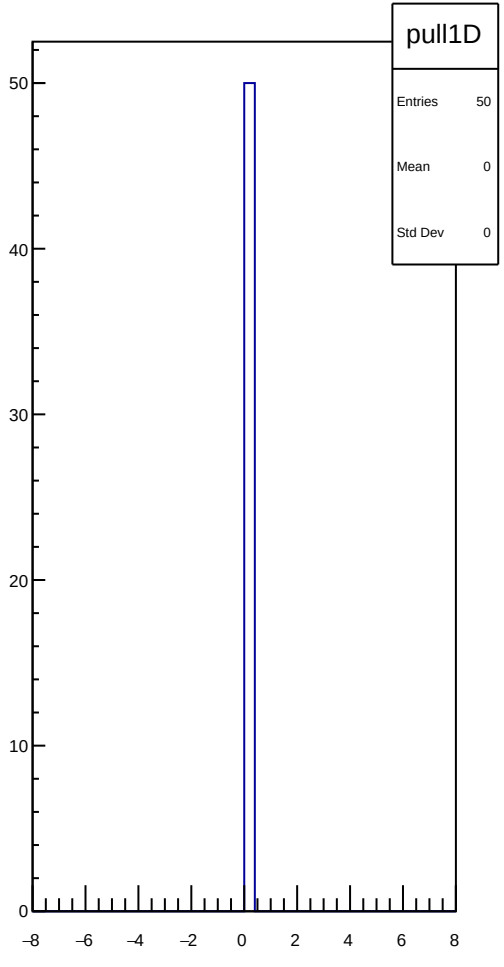

dit_sam8_4eX_slope vs run
χ² / ndf 7.651e−25 / 49
p0 −42 ± 0.1137
−41.2
−41.4
−41.6
−41.8
−42
−42.2
−42.4
−42.6
−42.8
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

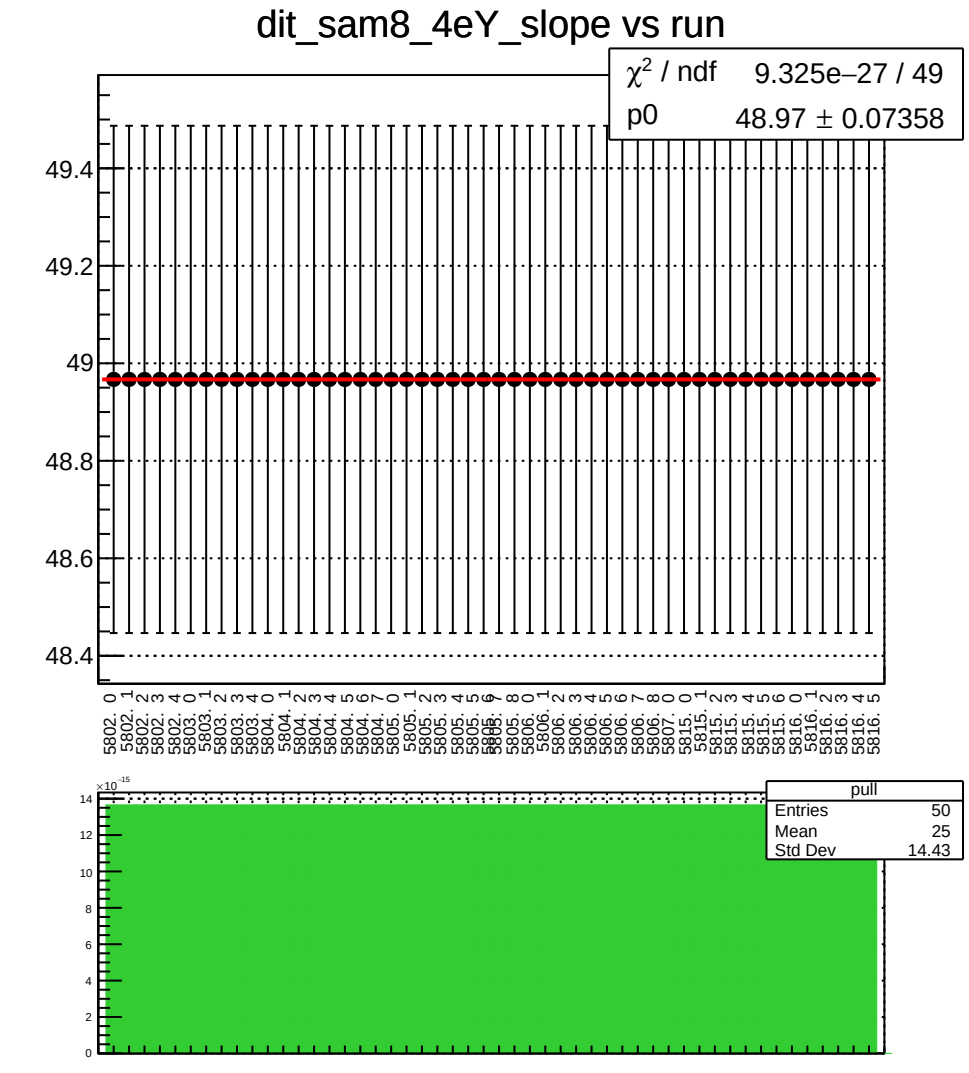

pull1D
Entries 50
Mean 1.237e−13
Std Dev5.357e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

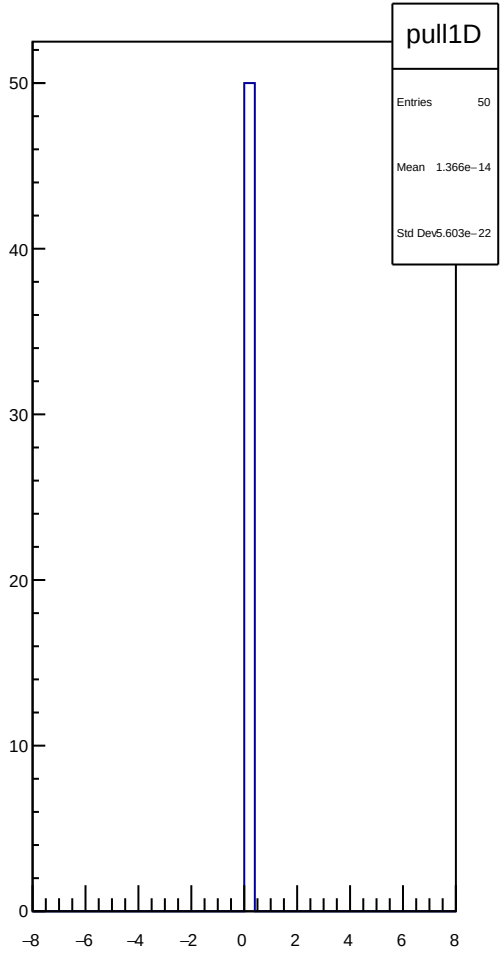

dit_sam8_11X12X_slope vs run
χ² / ndf 5.503e−28 / 49
p0 0.8258 ± 0.02366
pull
Entries 50
Mean 25
Std Dev 14.43

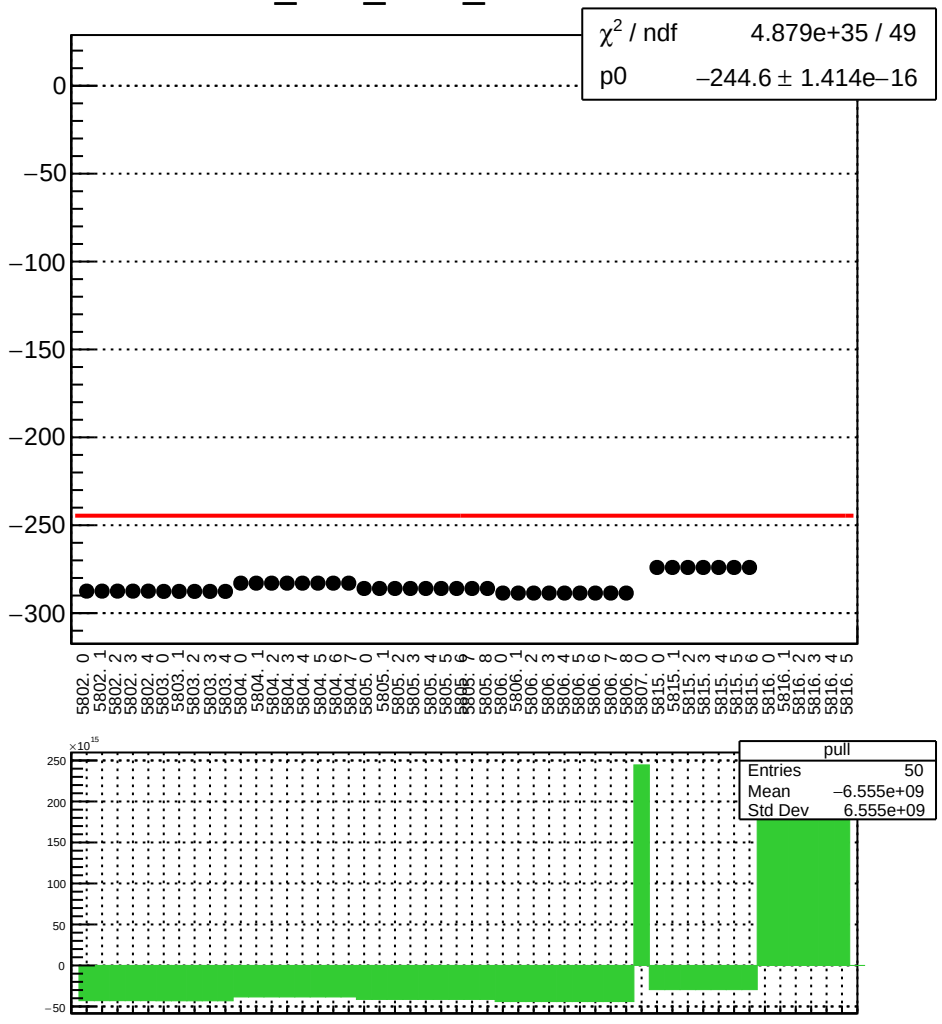

pull1D
Entries 50
Mean 3.318e−15
Std Dev1.543e−22

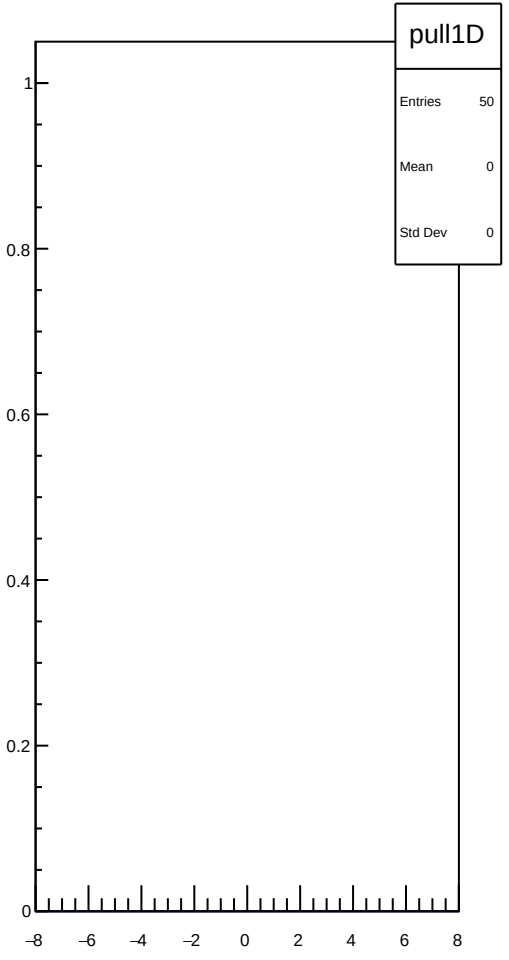

dit_sam8_4aY_slope vs run
χ² / ndf 0 / 49
p0 −49.52 ± 0.04746
−49.2
−49.3
−49.4
−49.5
−49.6
−49.7
−49.8
−49.9
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

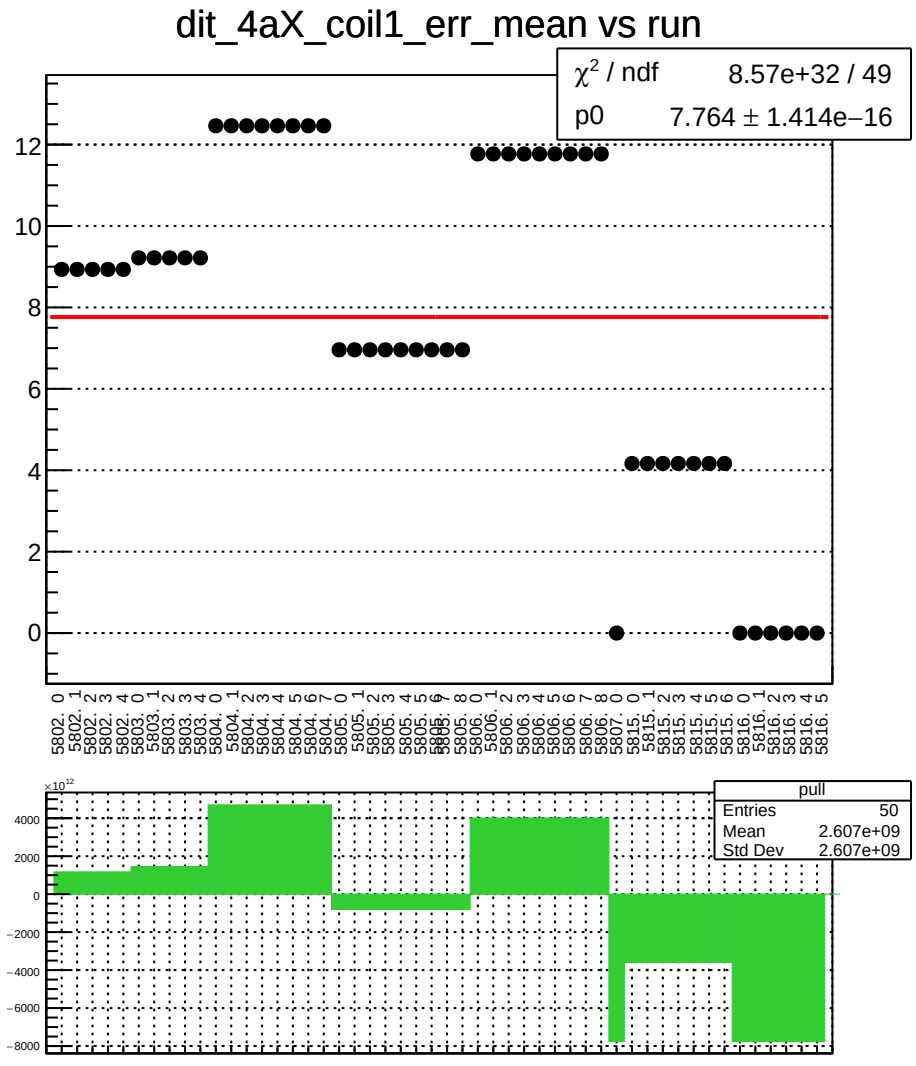

pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

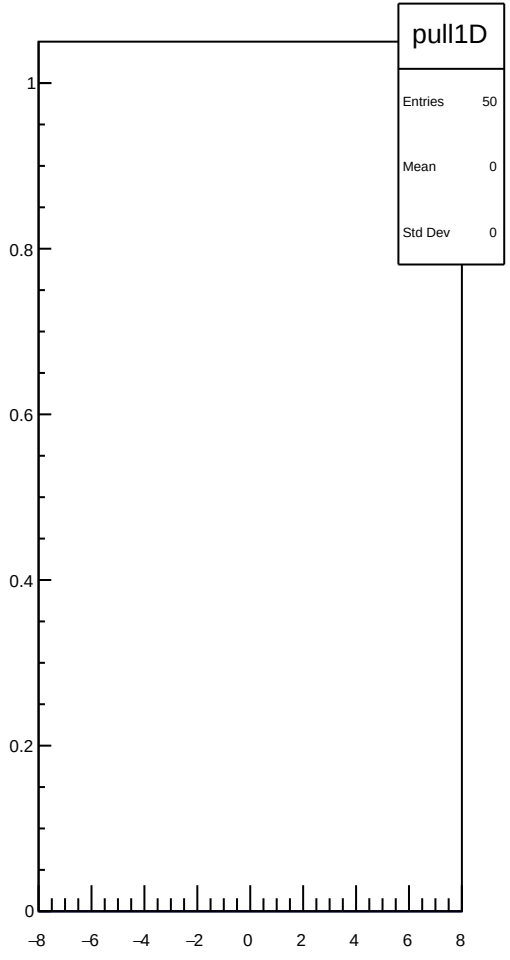

dit_sam8_4eY_slope vs run
χ² / ndf 9.325e−27 / 49
p0 48.97 ± 0.07358
49.4
49.2
49
48.8
48.6
48.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
14
12
10
8
6
4
2
0

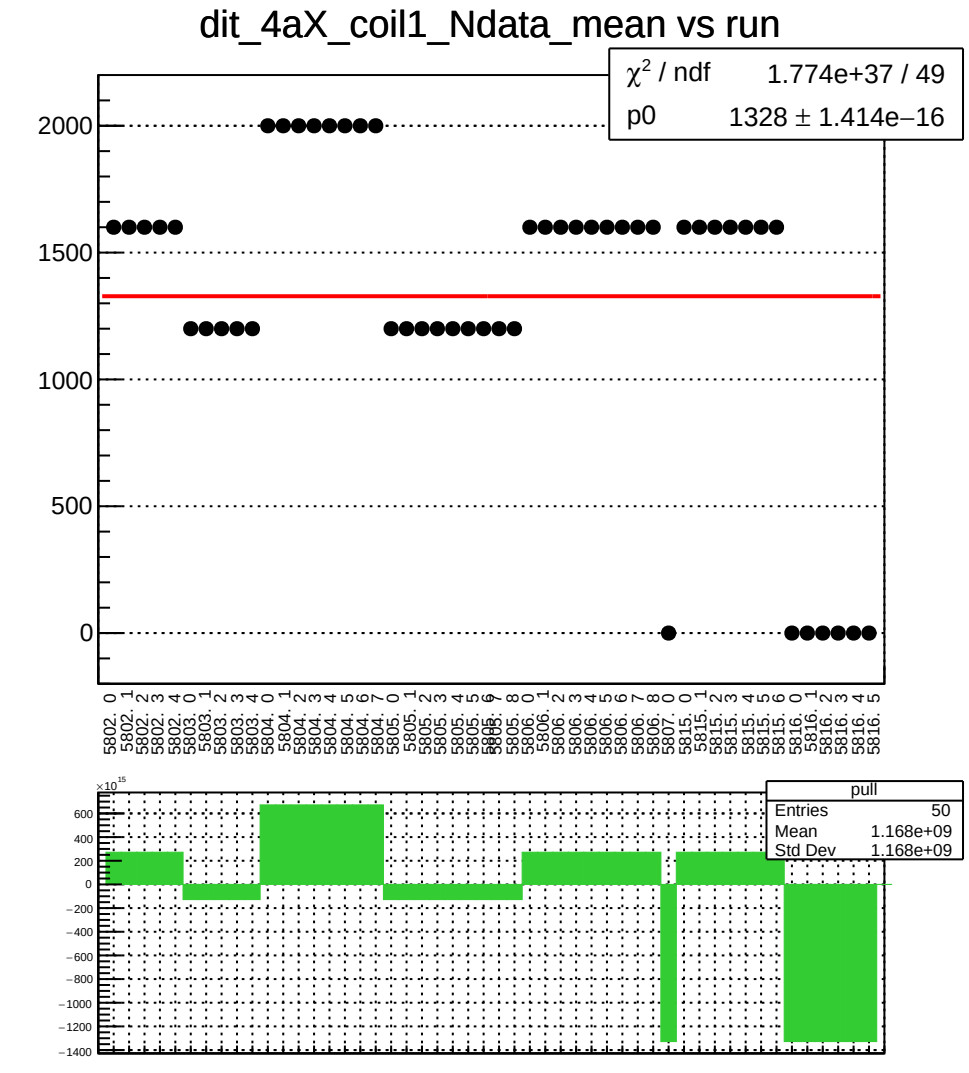

pull1D
Entries 50
Mean 1.366e−14
Std Dev 5.603e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

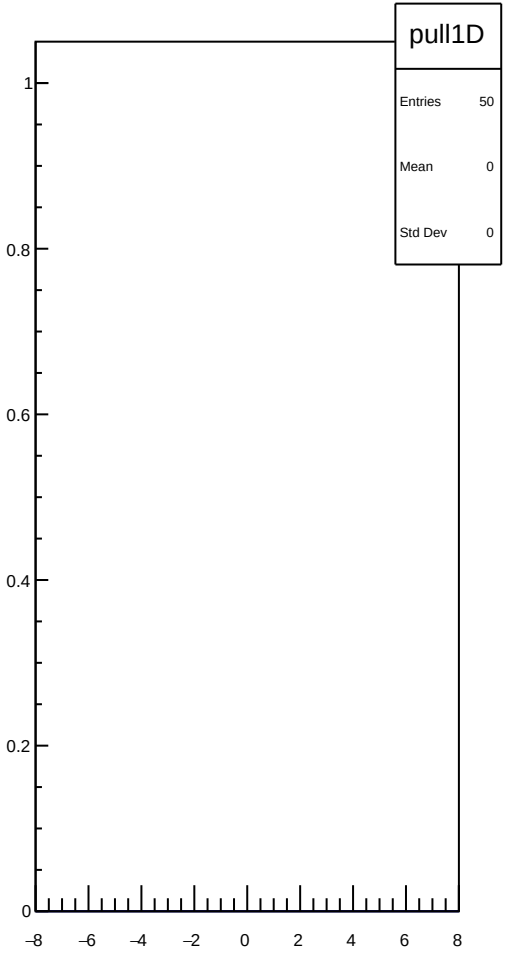

dit_4aX_coil1_mean vs run
χ² / ndf 4.879e+35 / 49
p0 −244.6 ± 1.414e−16
pull
Entries 50
Mean −6.555e+09
Std Dev 6.555e+09

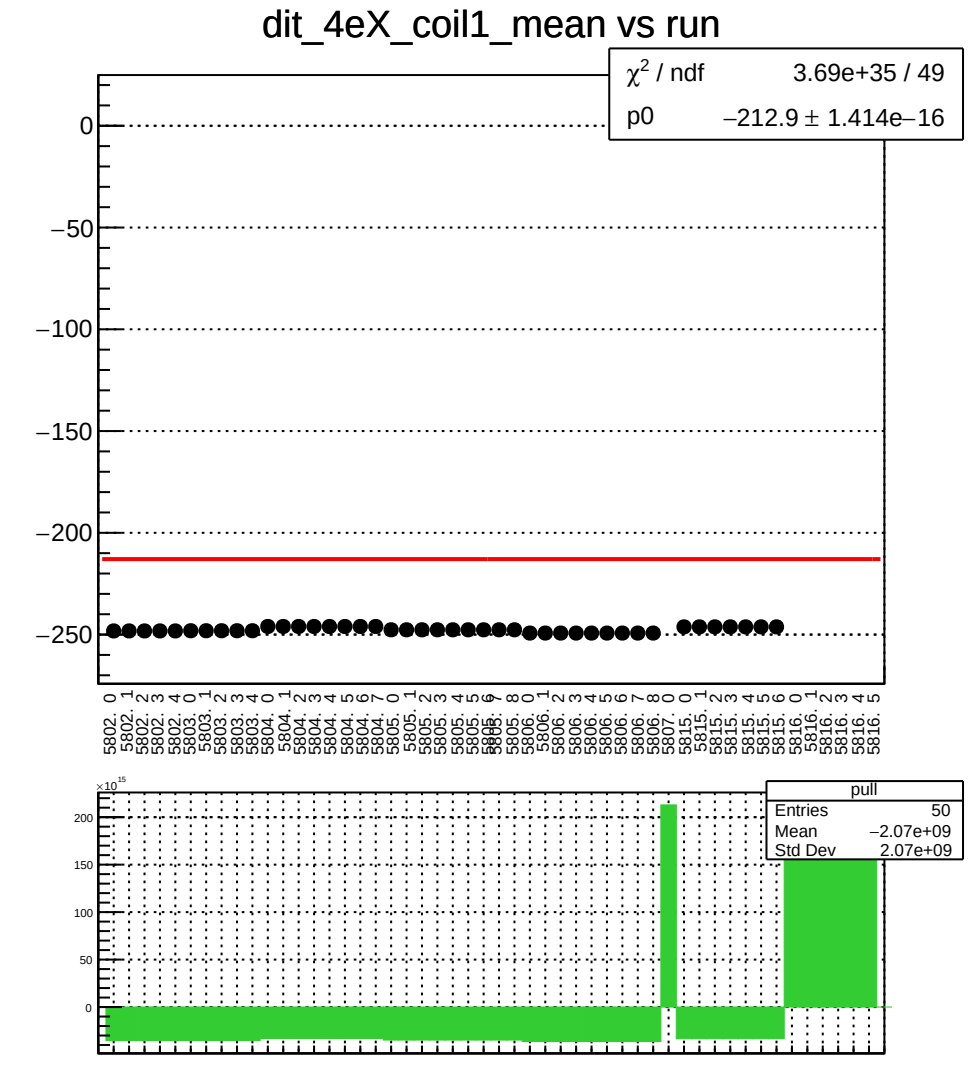

pull1D
Entries 50
Mean 0
Std Dev 0

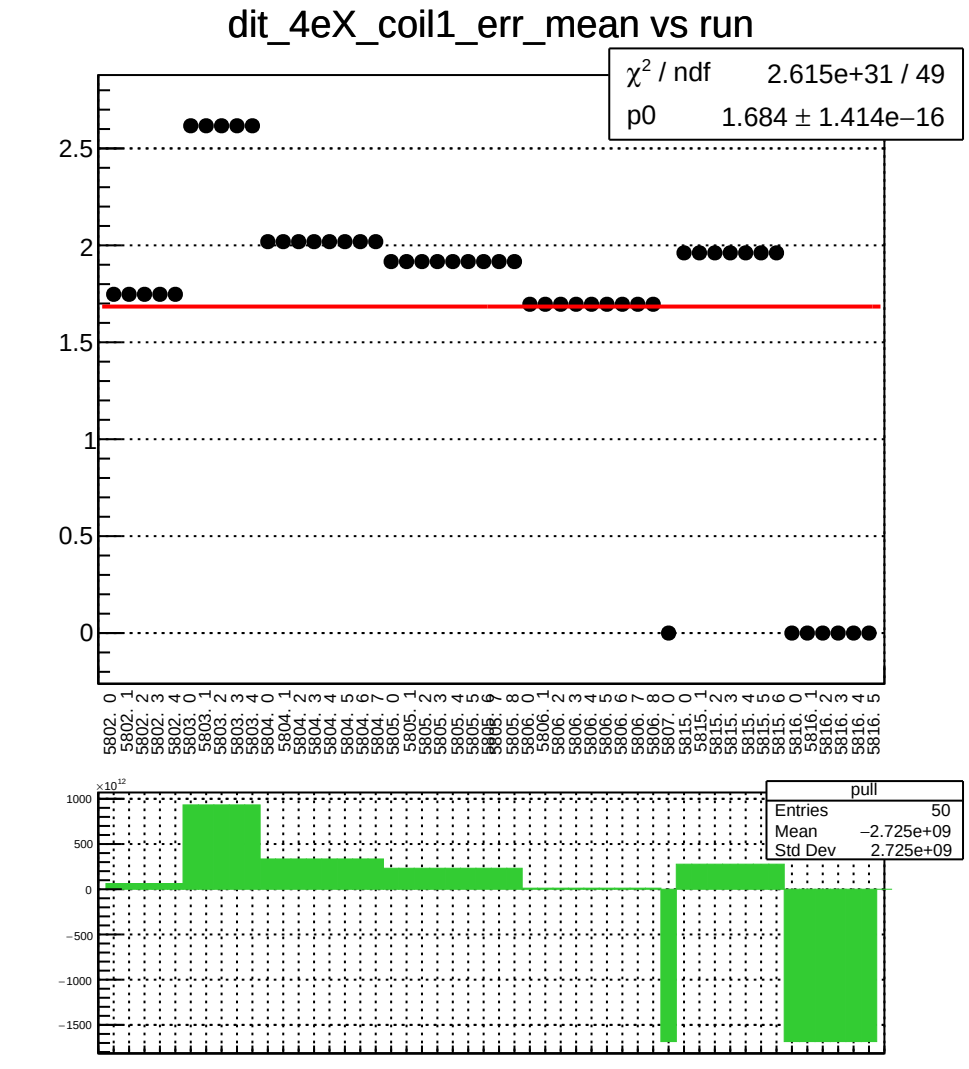

dit_4aX_coil1_err_mean vs run
χ² / ndf 8.57e+32 / 49
p0 7.764 ± 1.414e−16
pull
Entries 50
Mean 2.607e+09
Std Dev 2.607e+09

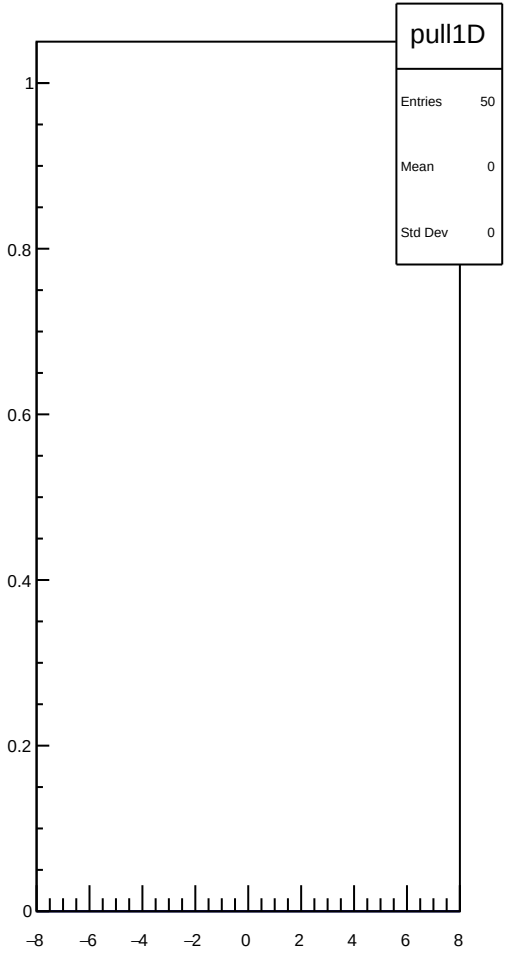

pull1D
Entries 50
Mean 0
Std Dev 0

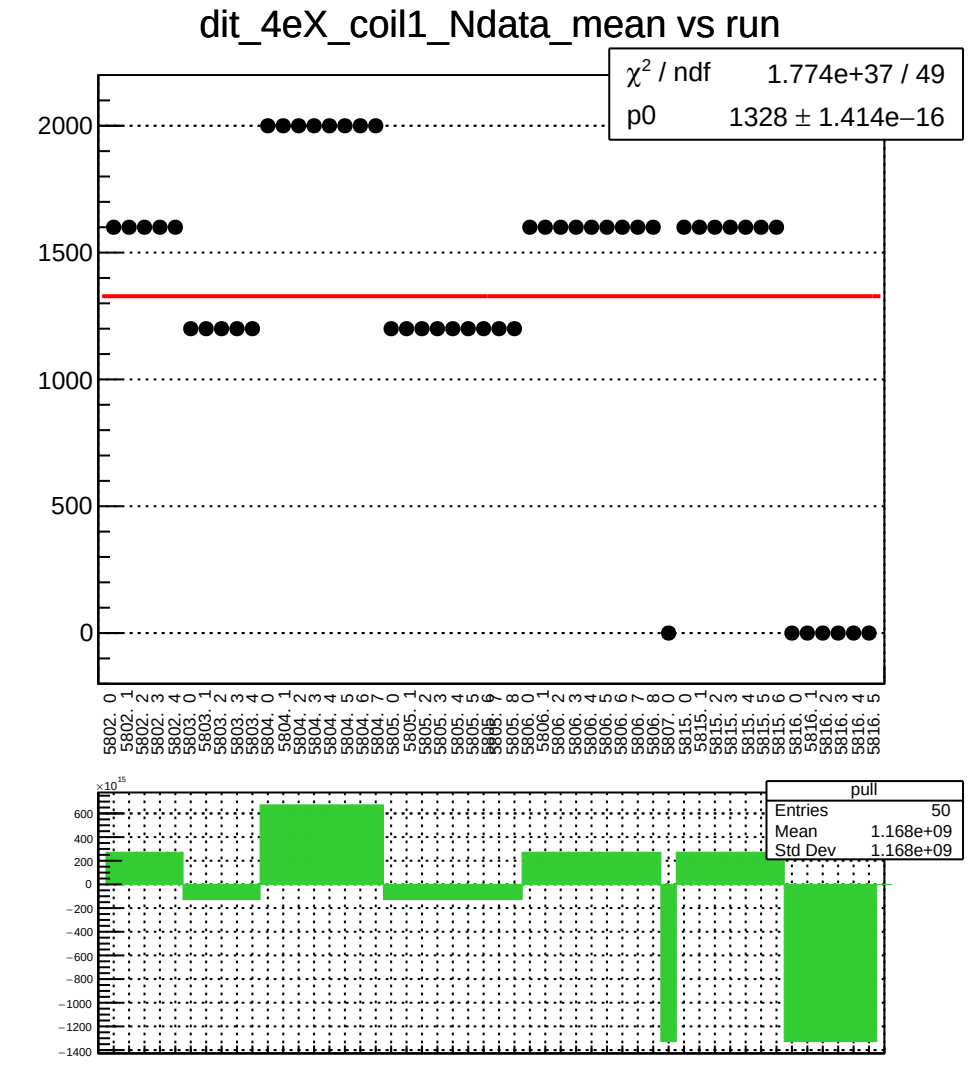

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

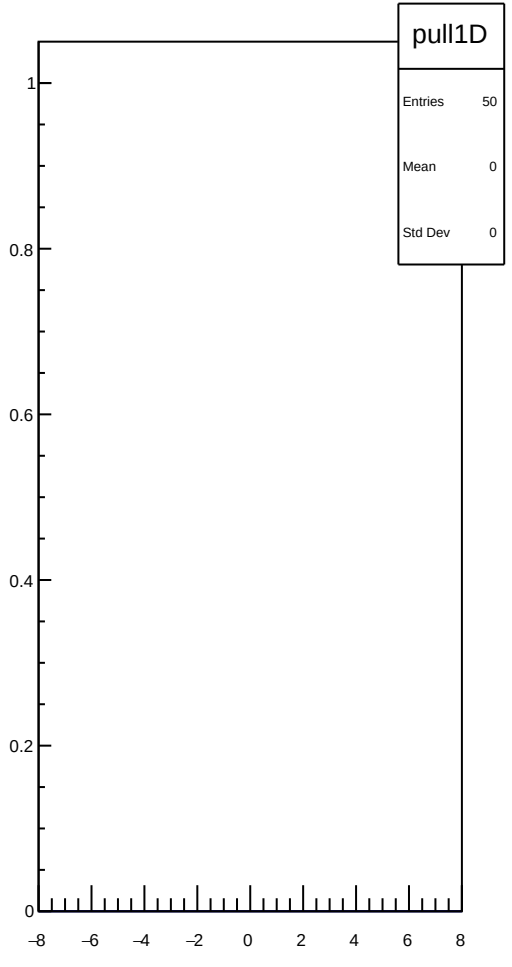

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

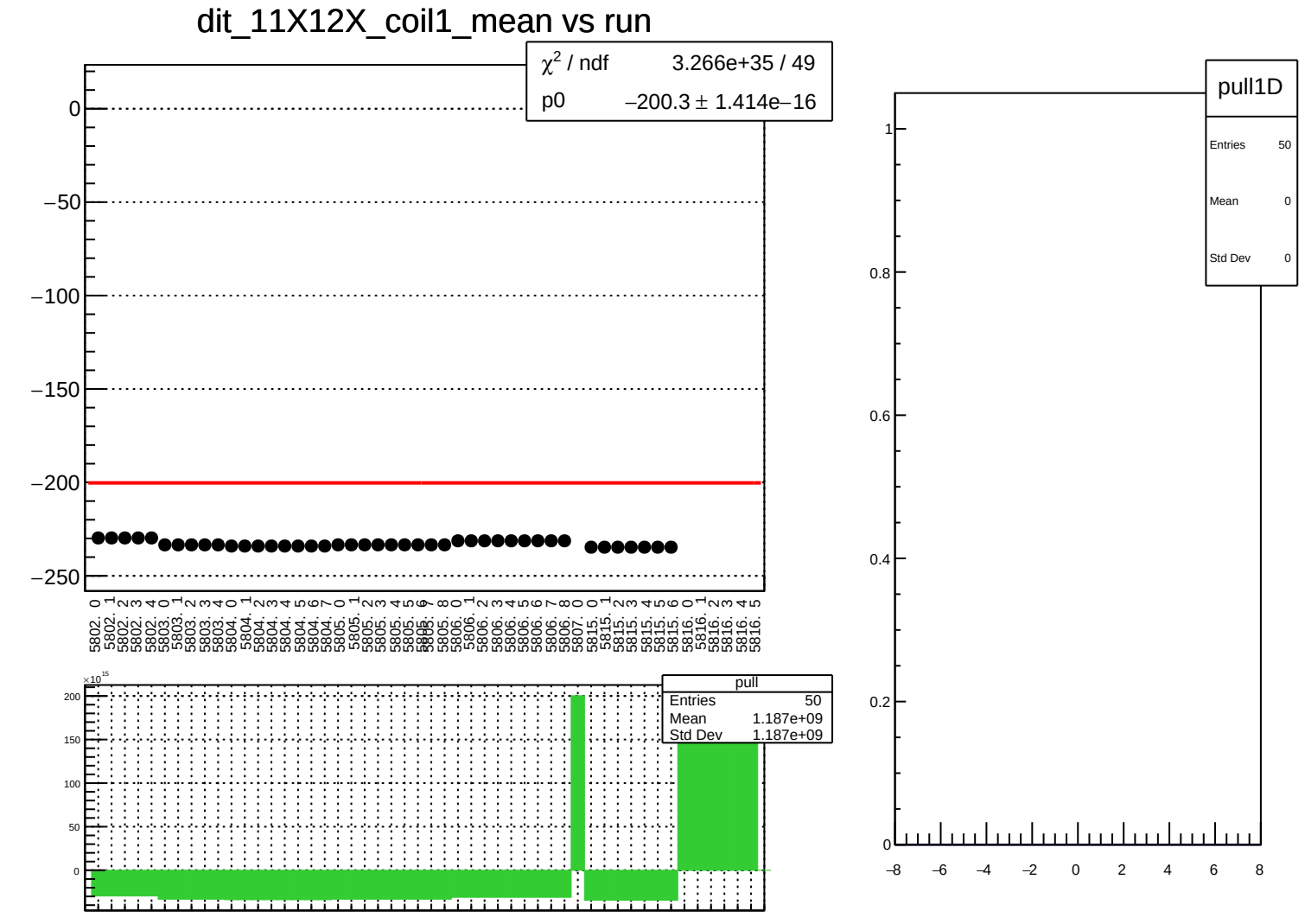

dit_4eX_coil1_mean vs run
χ² / ndf 3.69e+35 / 49
p0 −212.9 ± 1.414e−16
0
−50
−100
−150
−200
−250
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
200
150
100
50
0
pull
Entries 50
Mean −2.07e+09
Std Dev 2.07e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

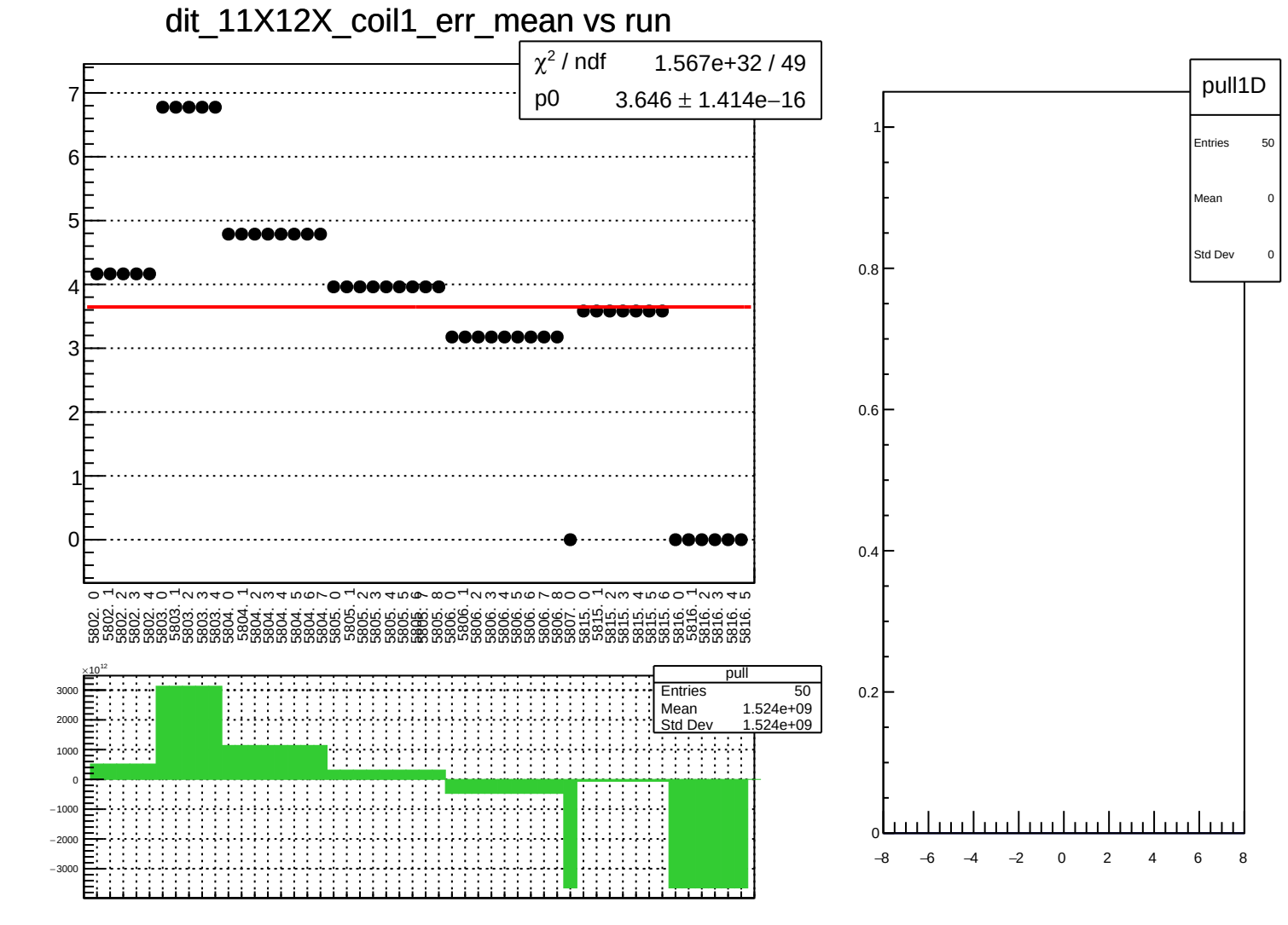

dit_4eX_coil1_err_mean vs run
χ² / ndf 2.615e+31 / 49
p0 1.684 ± 1.414e−16
pull
Entries 50
Mean −2.725e+09
Std Dev 2.725e+09

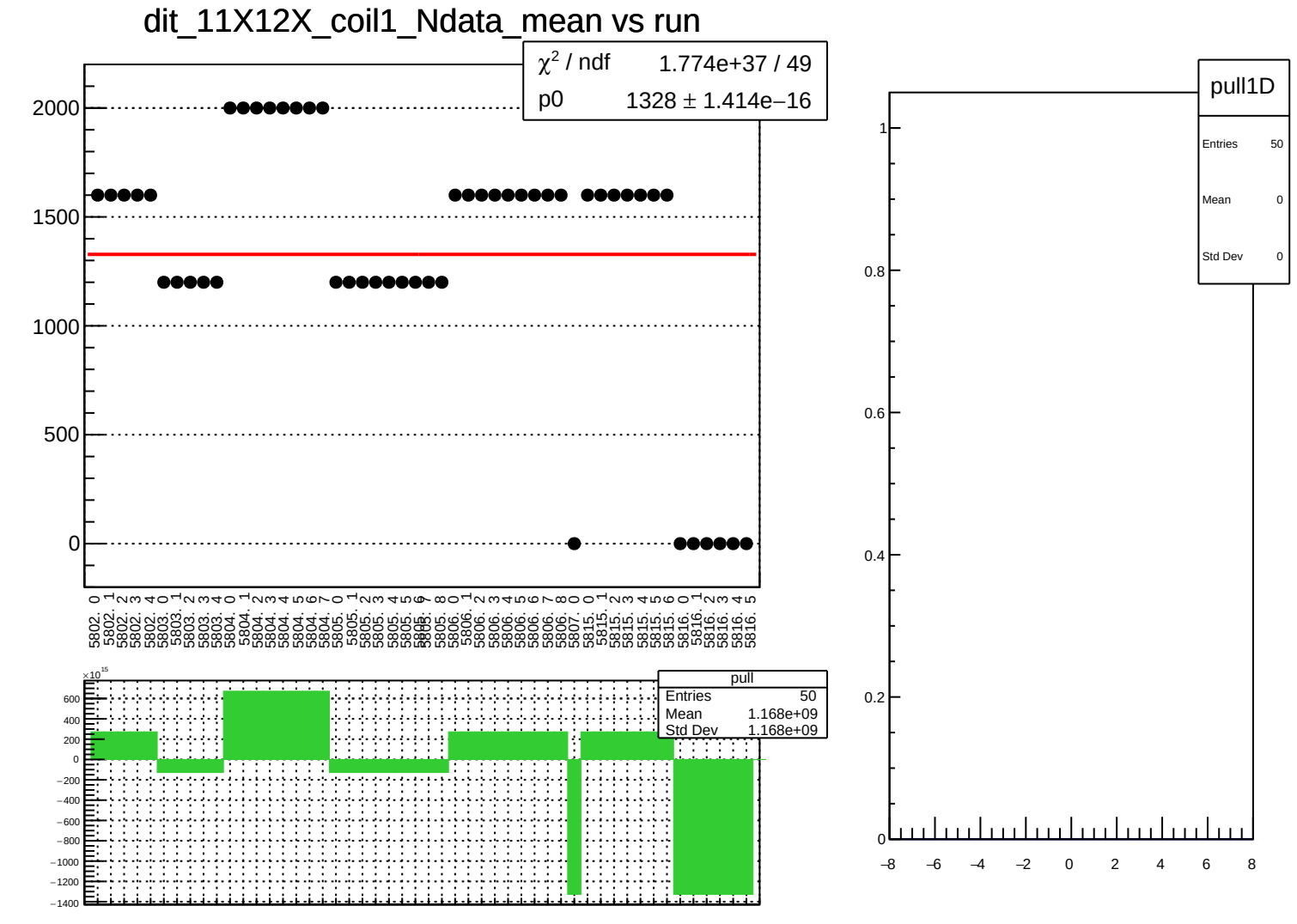

pull1D
Entries 50
Mean 0
Std Dev 0

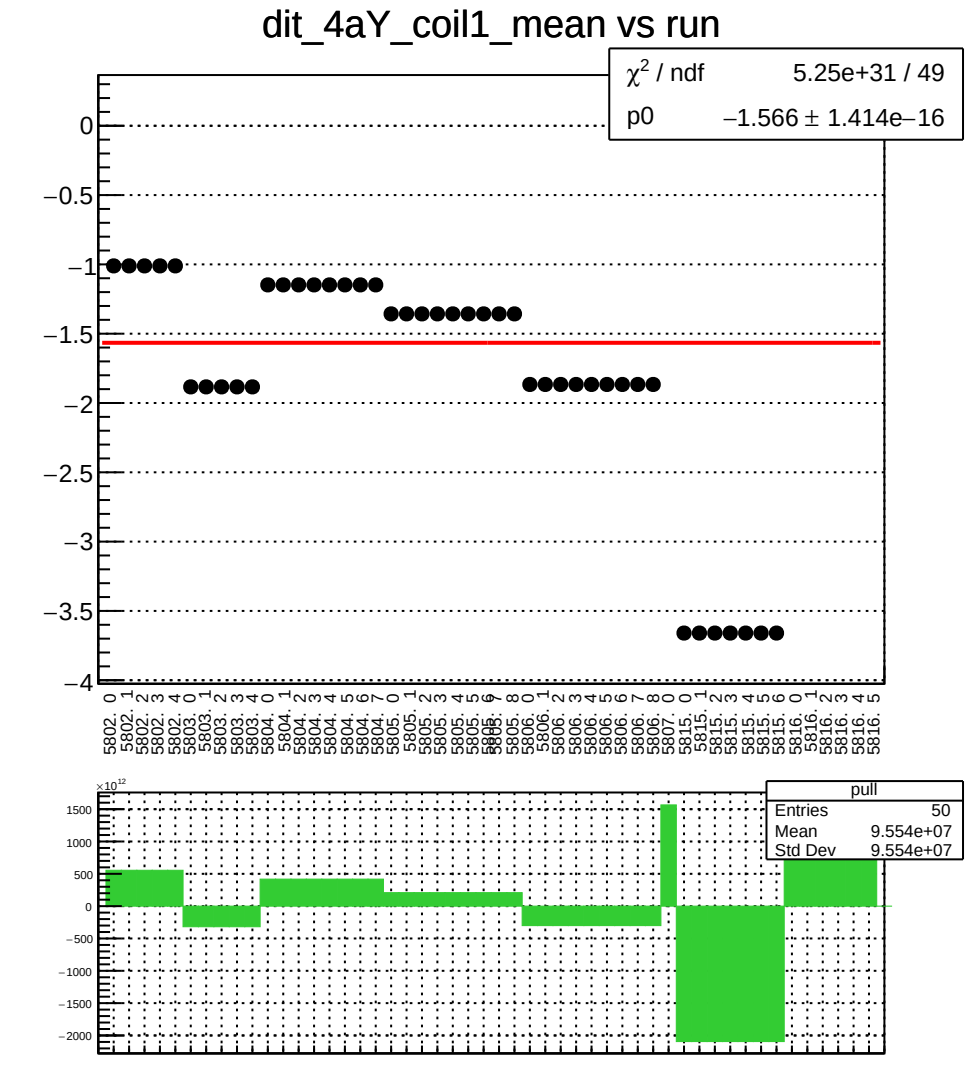

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

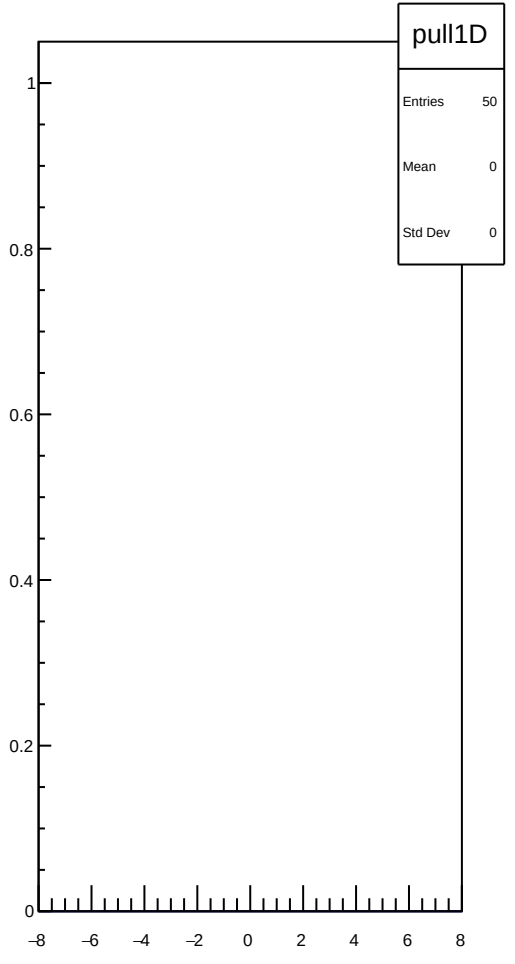

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

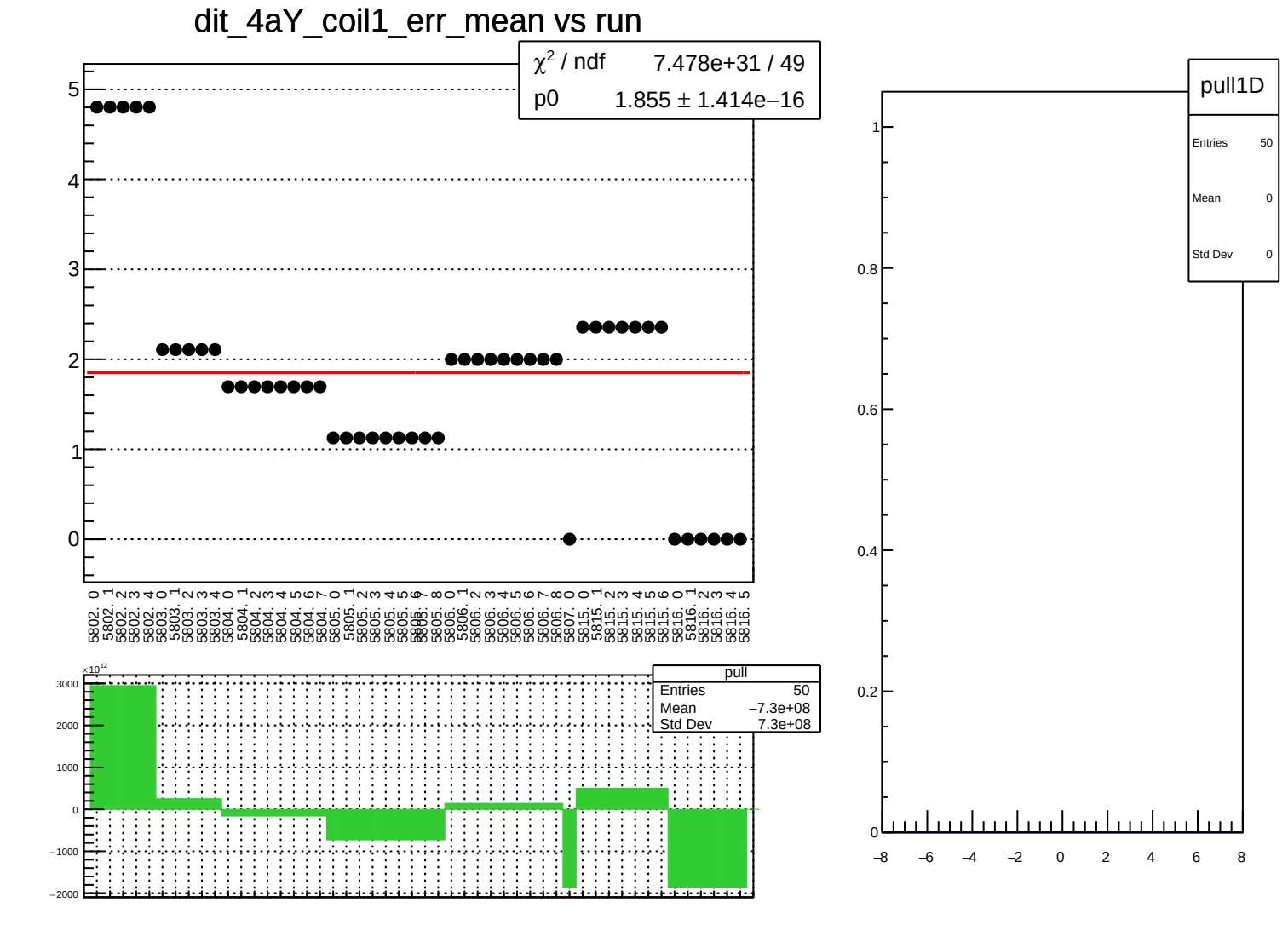

dit_11X12X_coil1_mean vs run
χ² / ndf 3.266e+35 / 49
p0 −200.3 ± 1.414e−16
0
−50
−100
−150
−200
−250
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
200
150
100
50
0
pull
Entries 50
Mean 1.187e+09
Std Dev 1.187e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

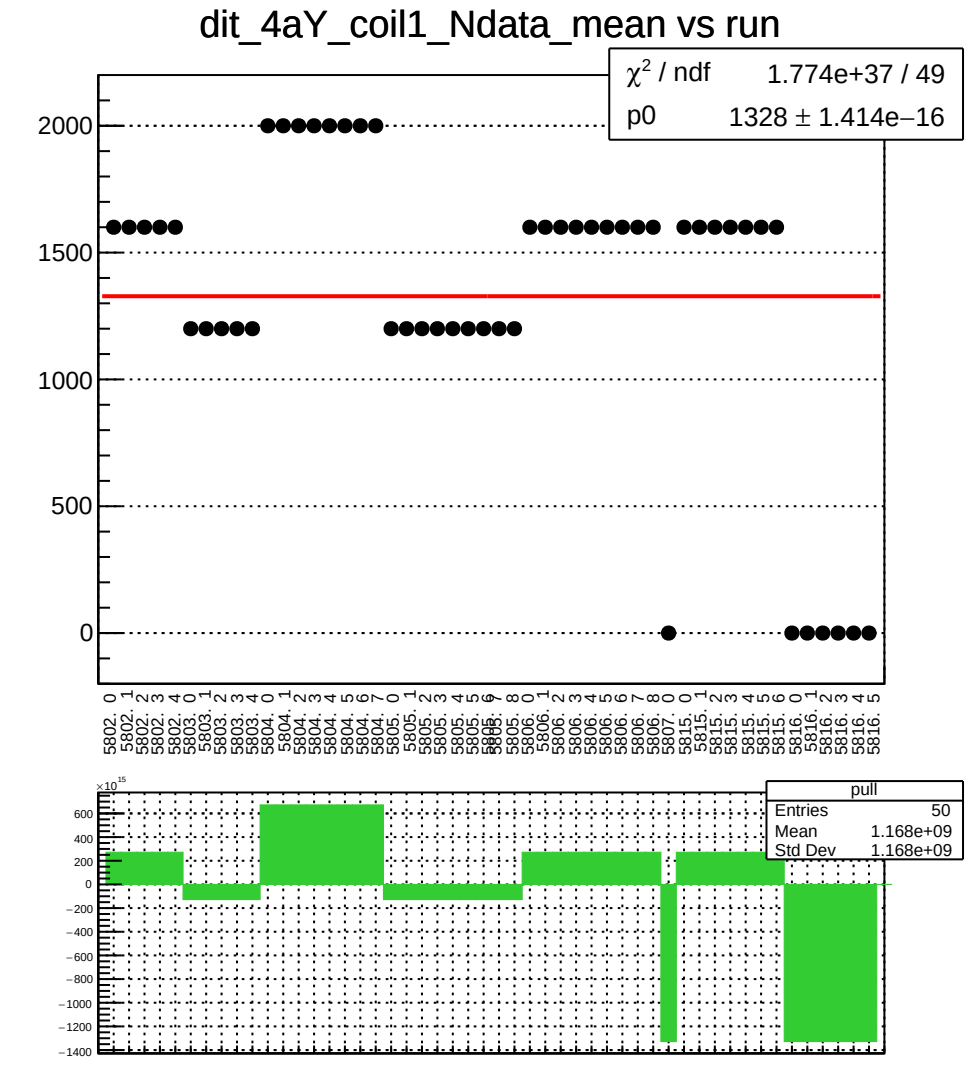

dit_11X12X_coil1_err_mean vs run
χ² / ndf 1.567e+32 / 49
p0 3.646 ± 1.414e−16
pull
Entries 50
Mean 1.524e+09
Std Dev 1.524e+09
pull1D
Entries 50
Mean 0
Std Dev 0

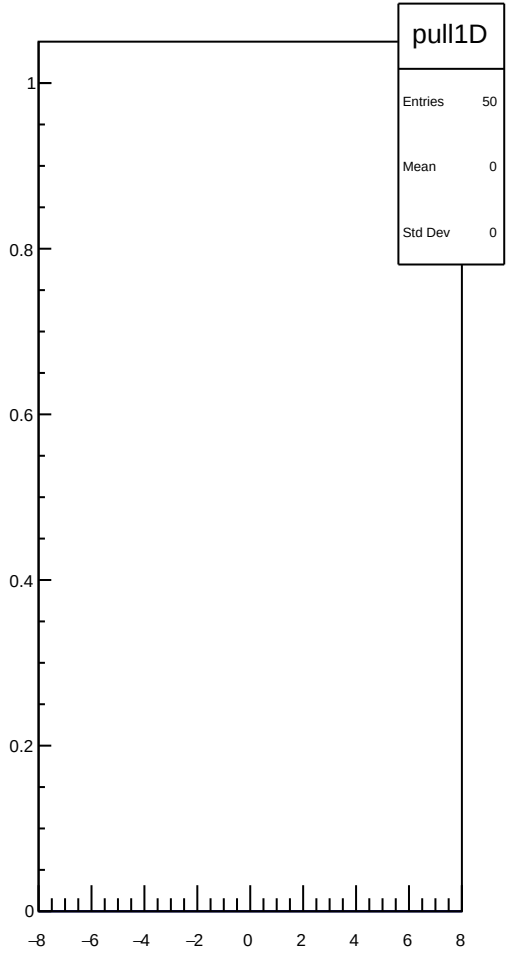

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

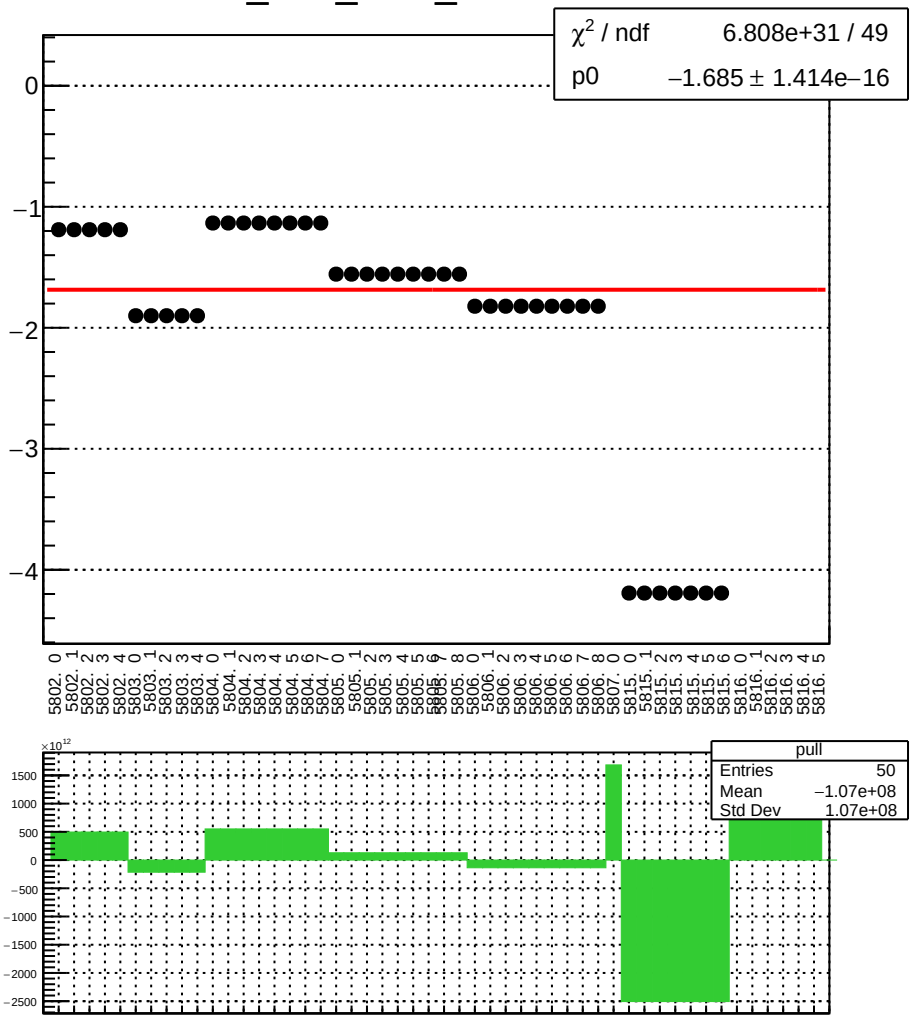

dit_4aY_coil1_mean vs run
χ² / ndf 5.25e+31 / 49
p0 −1.566 ± 1.414e−16
pull
Entries 50
Mean 9.554e+07
Std Dev 9.554e+07

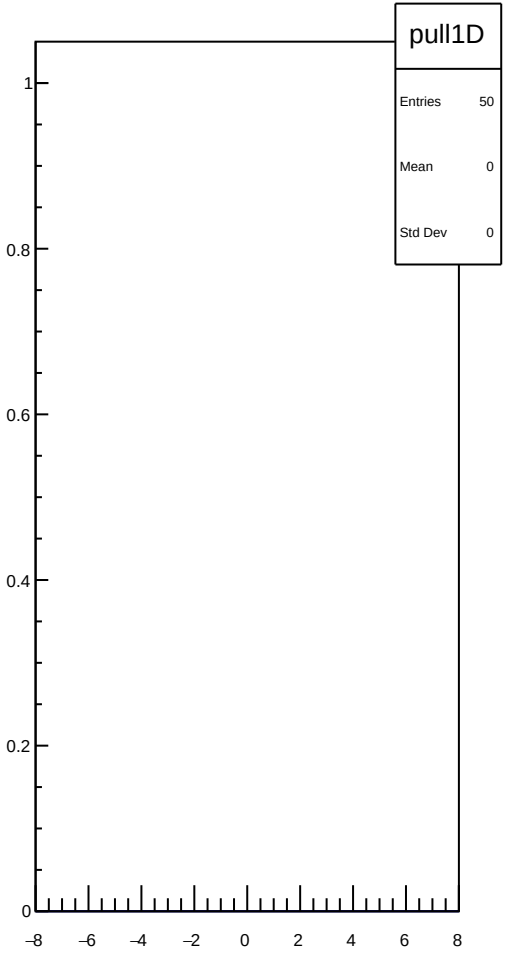

pull1D
Entries 50
Mean 0
Std Dev 0

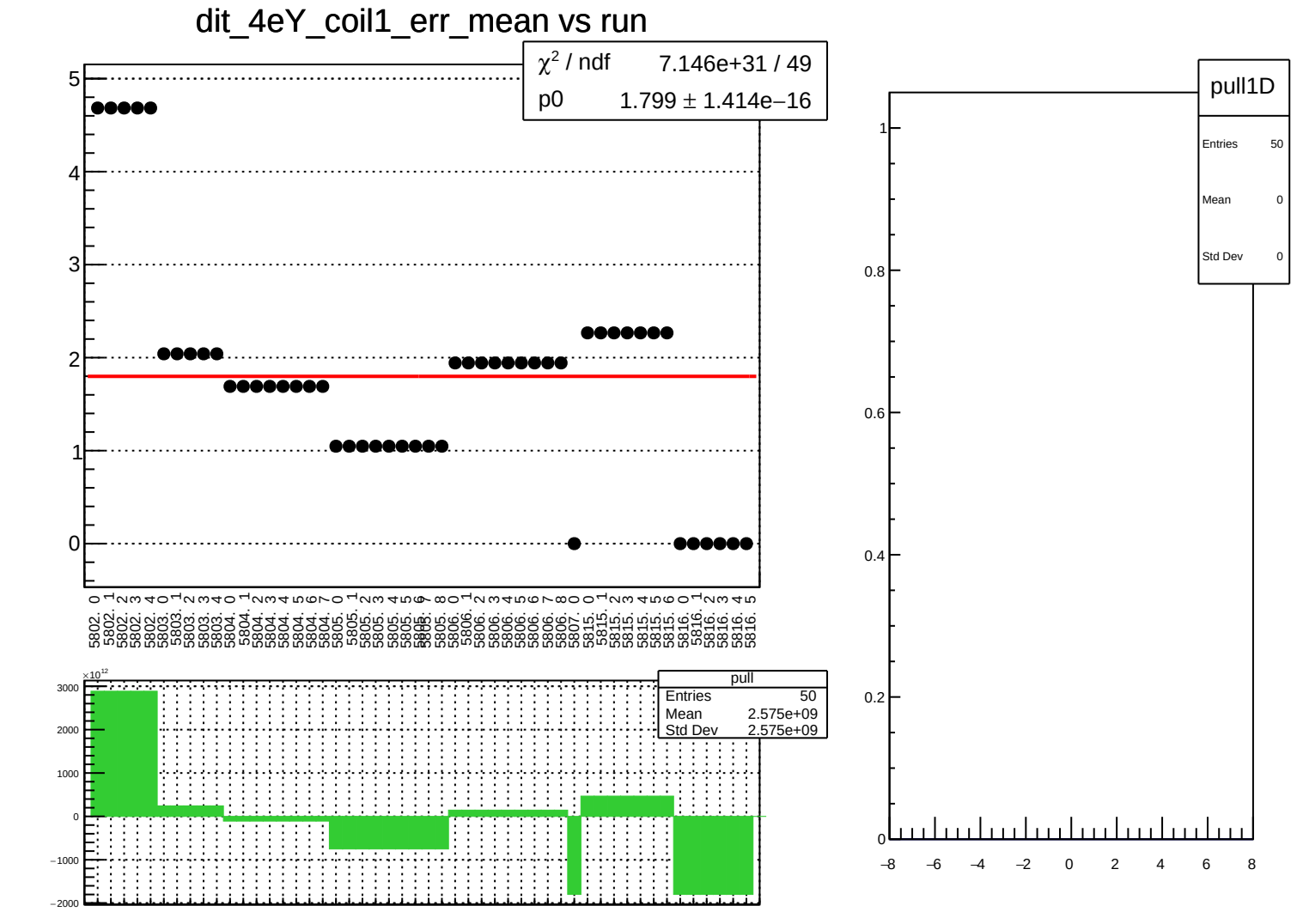

dit_4aY_coil1_err_mean vs run
χ² / ndf 7.478e+31 / 49
p0 1.855 ± 1.414e−16
pull
Entries 50
Mean −7.3e+08
Std Dev 7.3e+08
pull1D
Entries 50
Mean 0
Std Dev 0

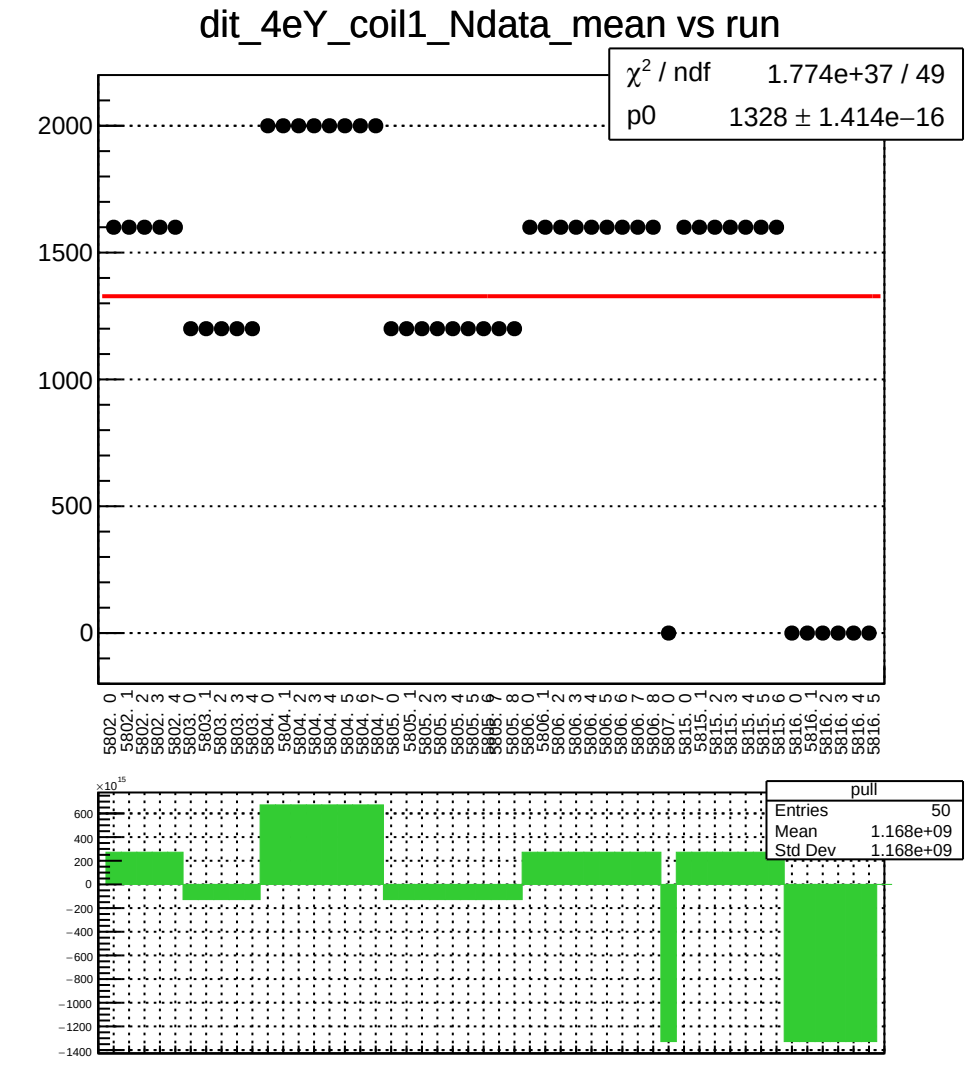

dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

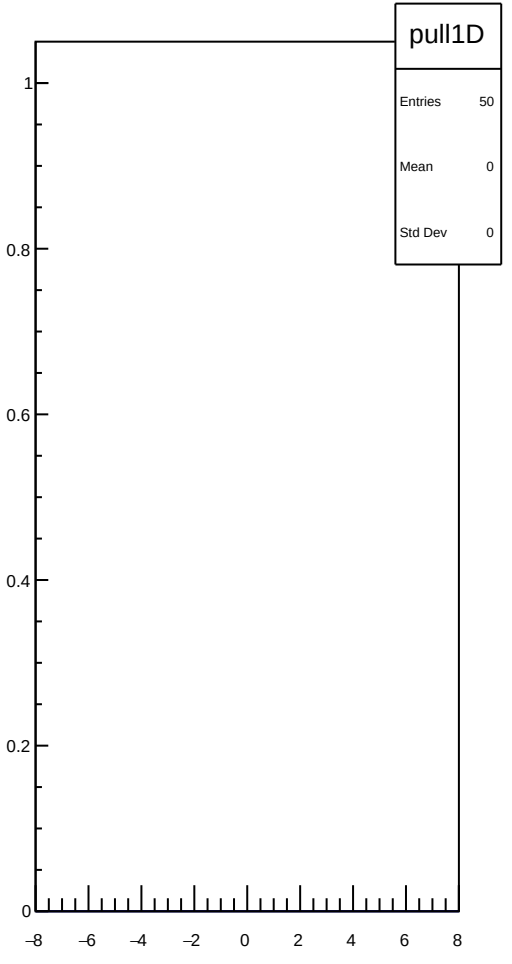

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

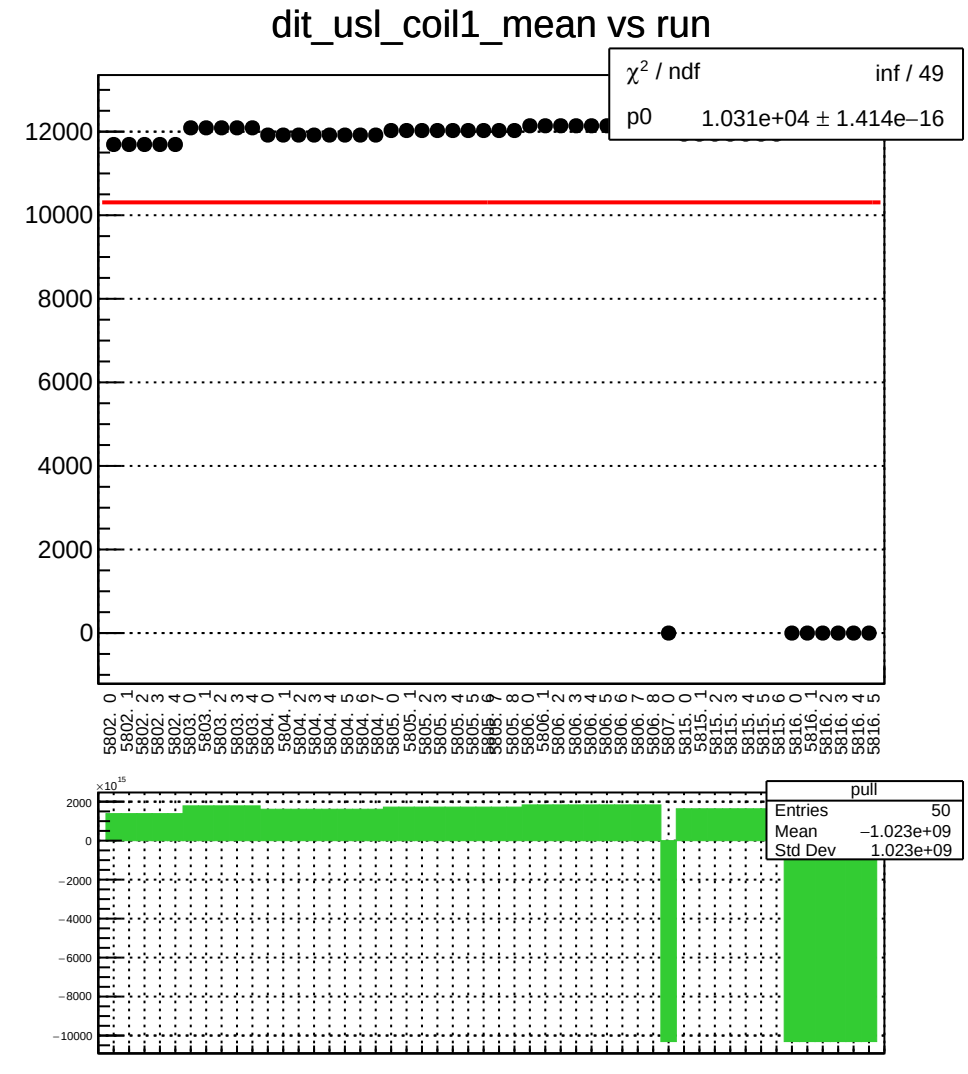

dit_4eY_coil1_mean vs run
χ² / ndf 6.808e+31 / 49
p0 −1.685 ± 1.414e−16
pull
Entries 50
Mean −1.07e+08
Std Dev 1.07e+08

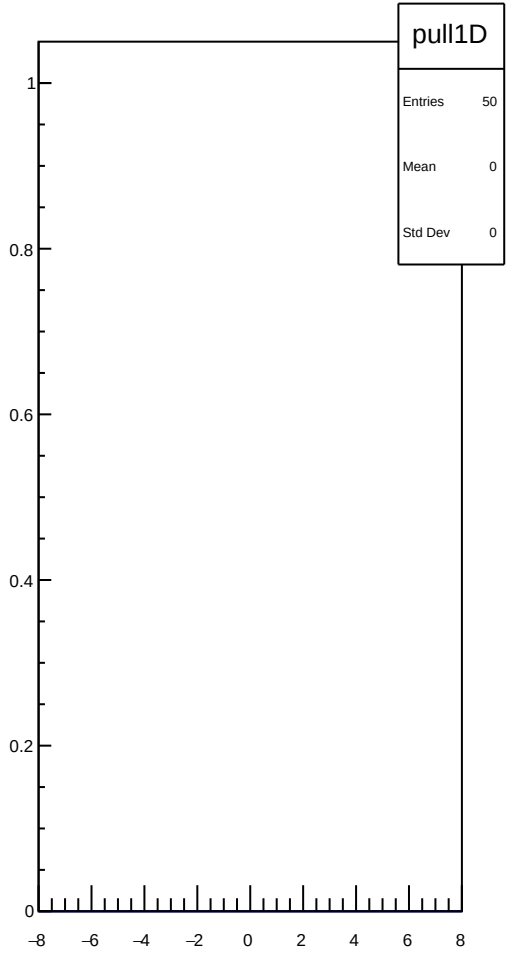

pull1D
Entries 50
Mean 0
Std Dev 0

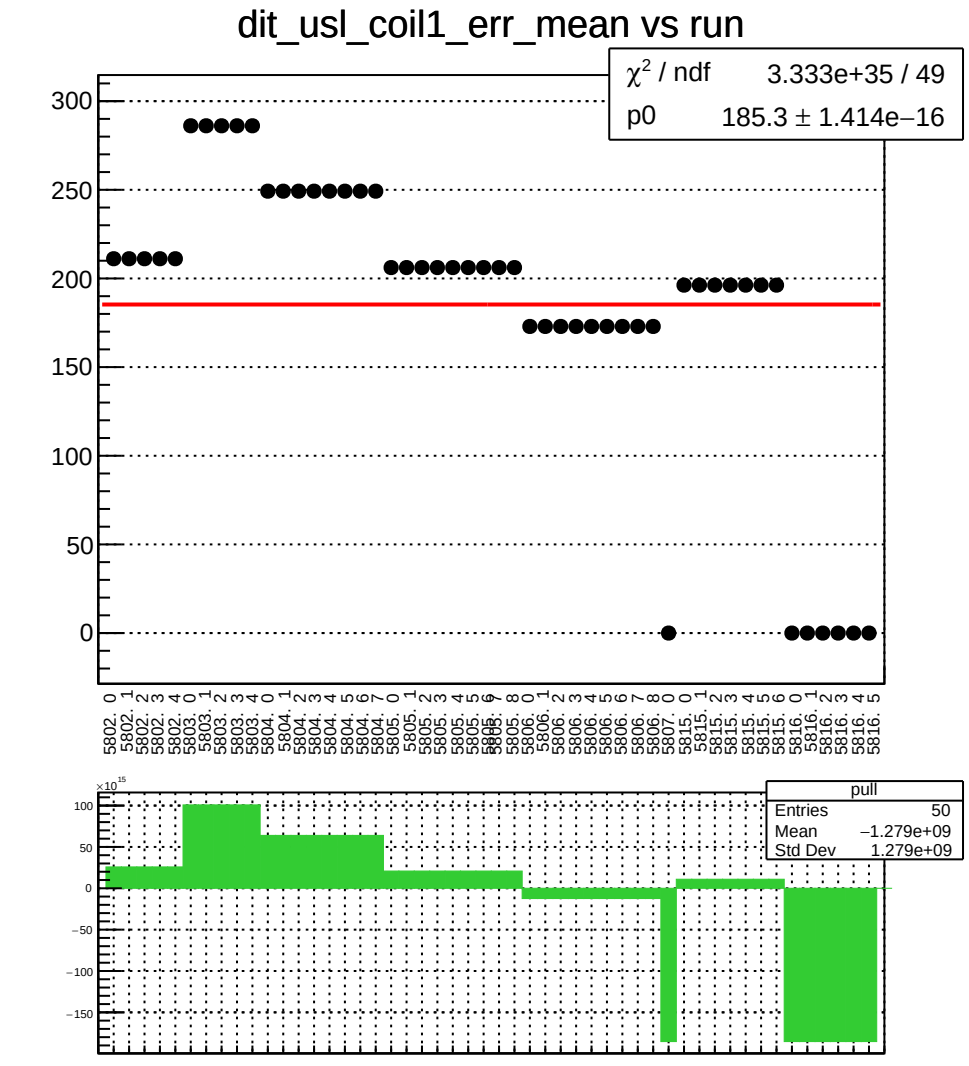

dit_4eY_coil1_err_mean vs run
χ² / ndf 7.146e+31 / 49
p0 1.799 ± 1.414e−16
pull
Entries 50
Mean 2.575e+09
Std Dev 2.575e+09
pull1D
Entries 50
Mean 0
Std Dev 0

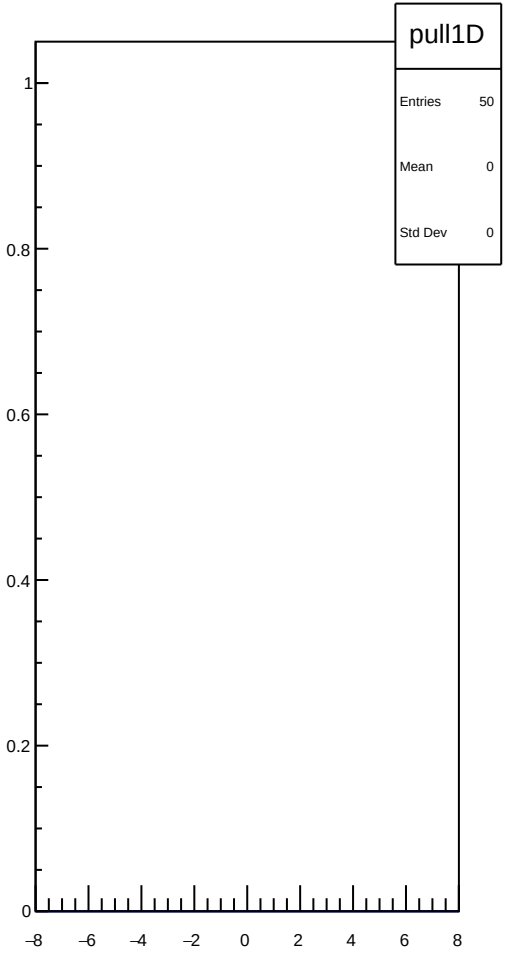

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09

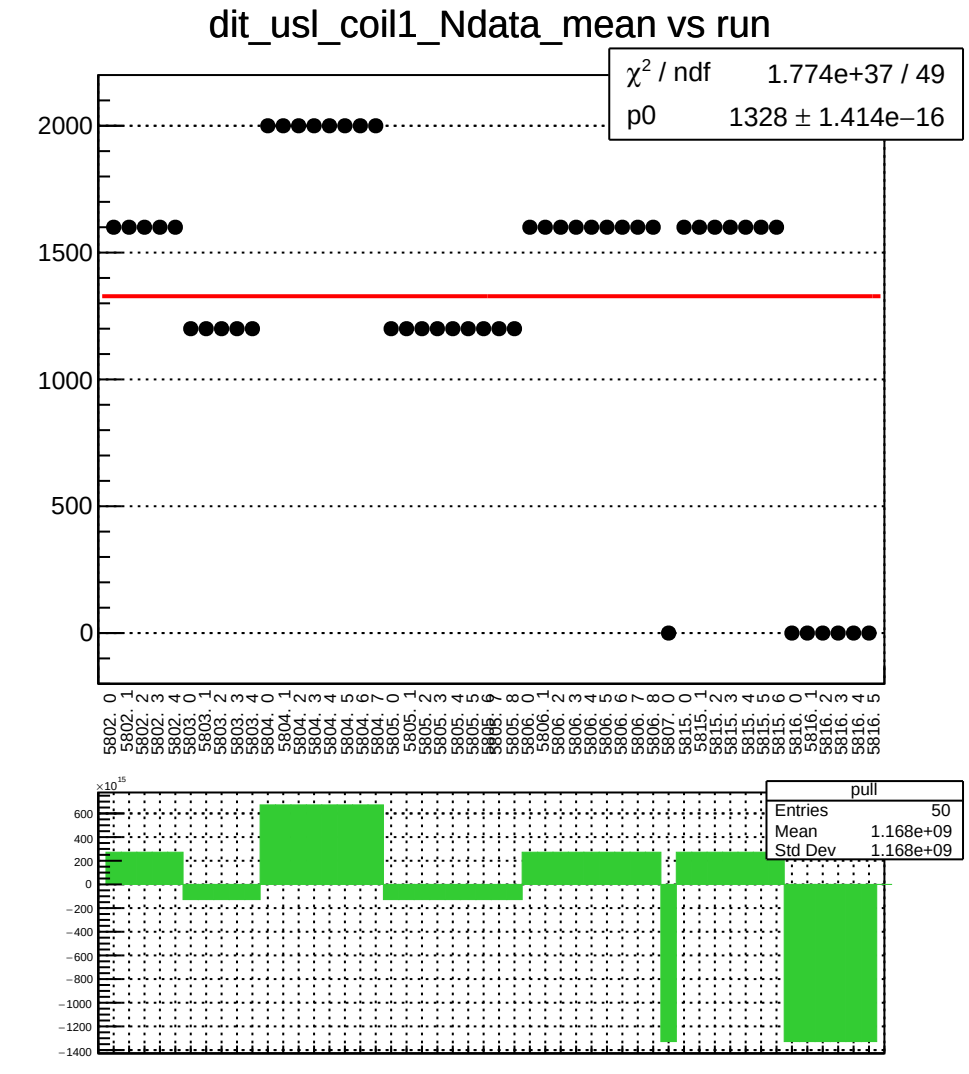

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

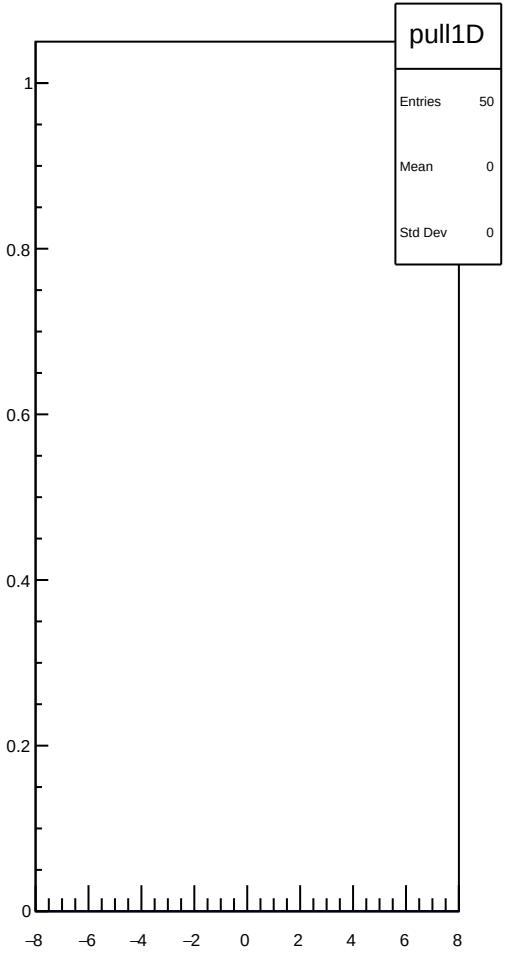

dit_usl_coil1_mean vs run
χ² / ndf inf / 49
p0 1.031e+04 ± 1.414e−16
12000
10000
8000
6000
4000
2000
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10^15
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 50
Mean −1.023e+09
Std Dev 1.023e+09

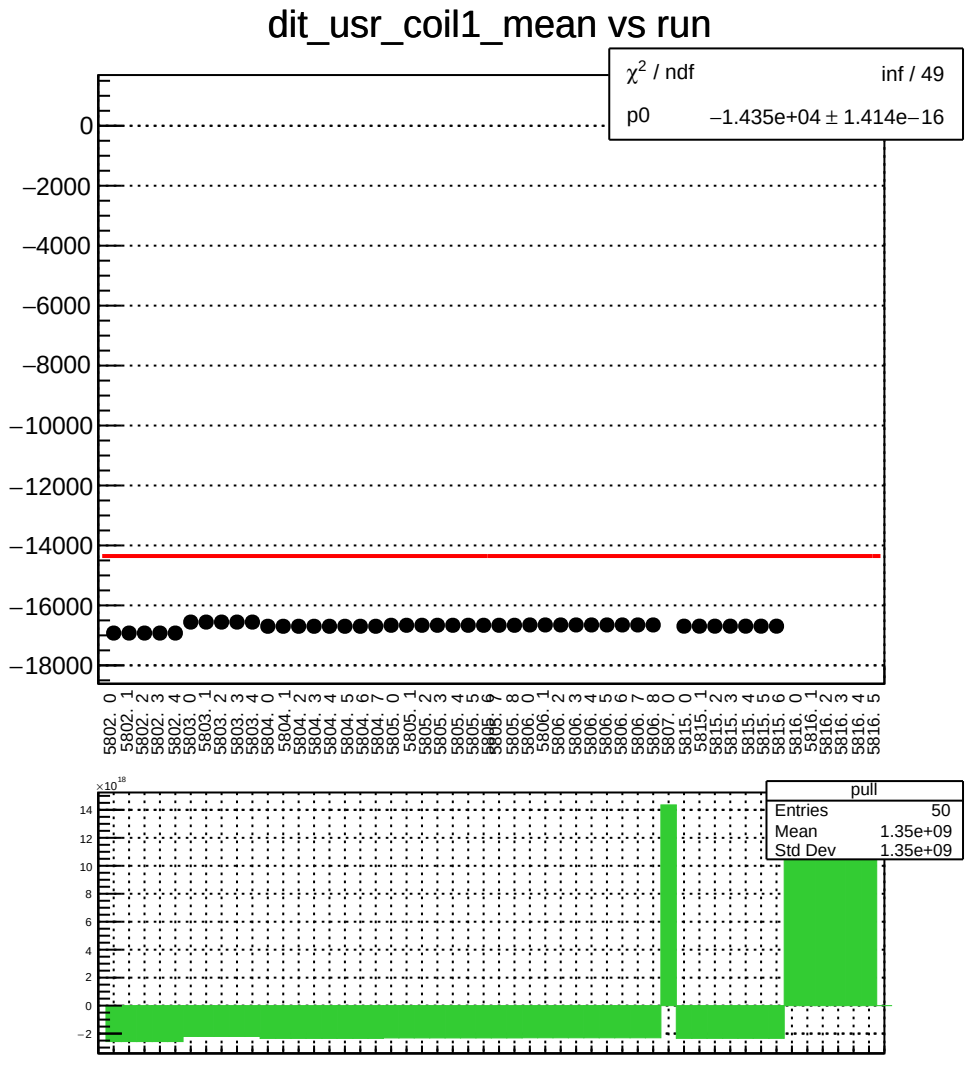

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usl_coil1_err_mean vs run
χ² / ndf 3.333e+35 / 49
p0 185.3 ± 1.414e−16
300
250
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
100
50
0
−50
−100
−150
pull
Entries 50
Mean −1.279e+09
Std Dev 1.279e+09


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usl_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil1_mean vs run
χ² / ndf inf / 49
p0 −1.435e+04 ± 1.414e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
−18000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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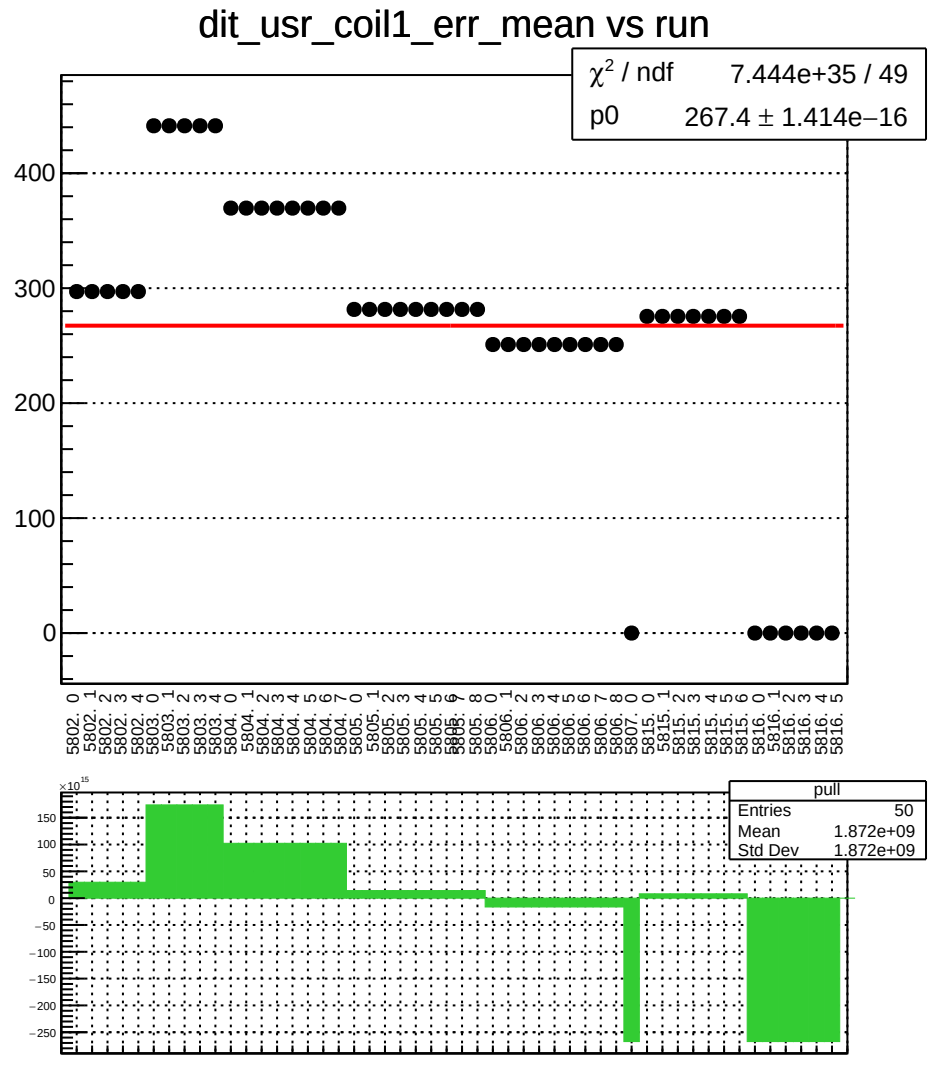
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁸
14
12
10
8
6
4
2
0
−2
pull
Entries 50
Mean 1.35e+09
Std Dev 1.35e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil1_err_mean vs run
χ² / ndf 7.444e+35 / 49
p0 267.4 ± 1.414e−16
400
300
200
100
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
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5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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5805. 2
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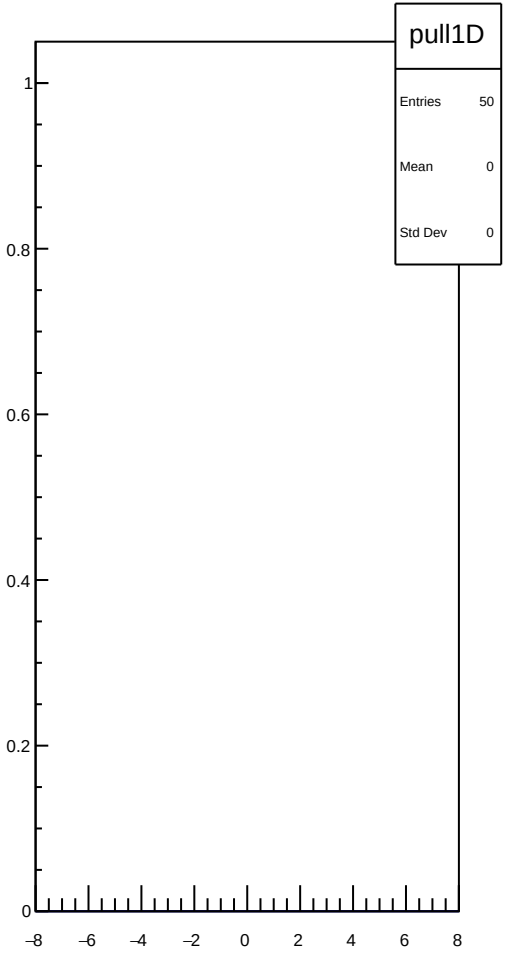
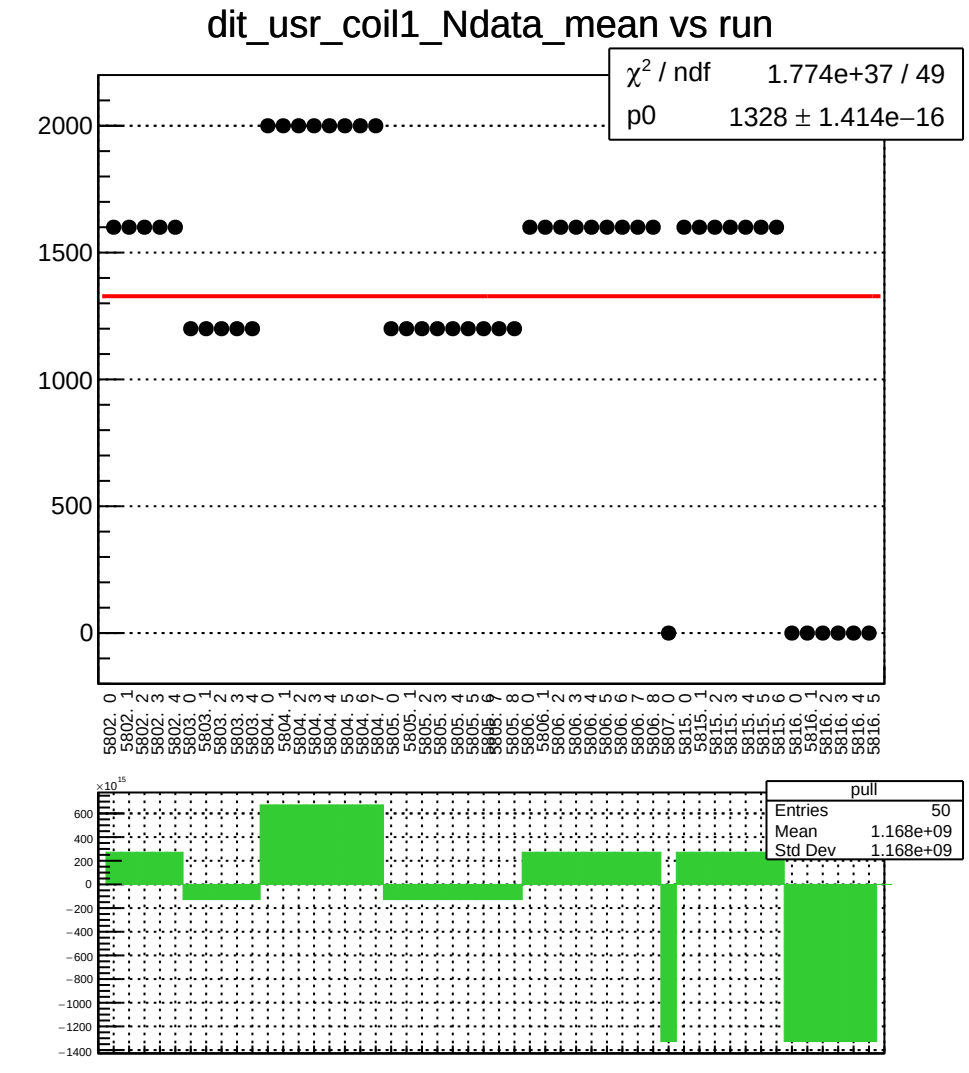
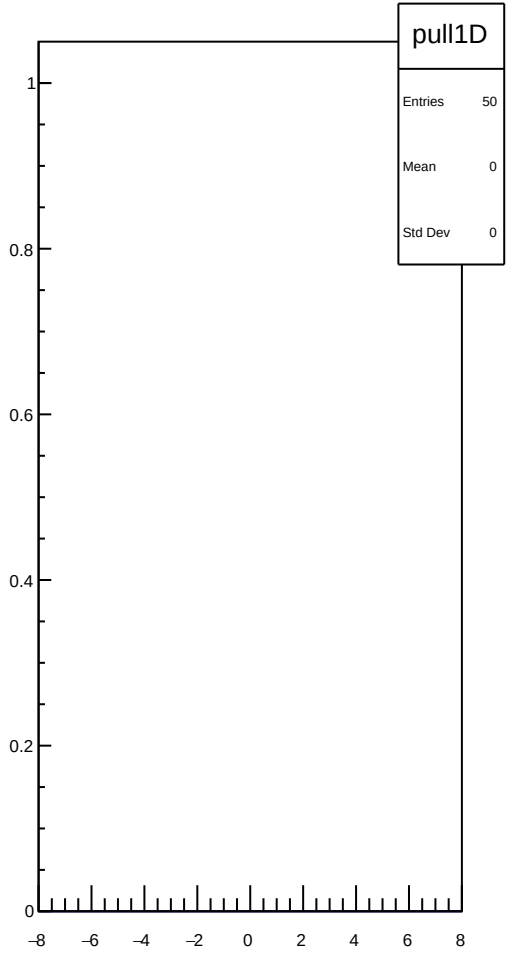
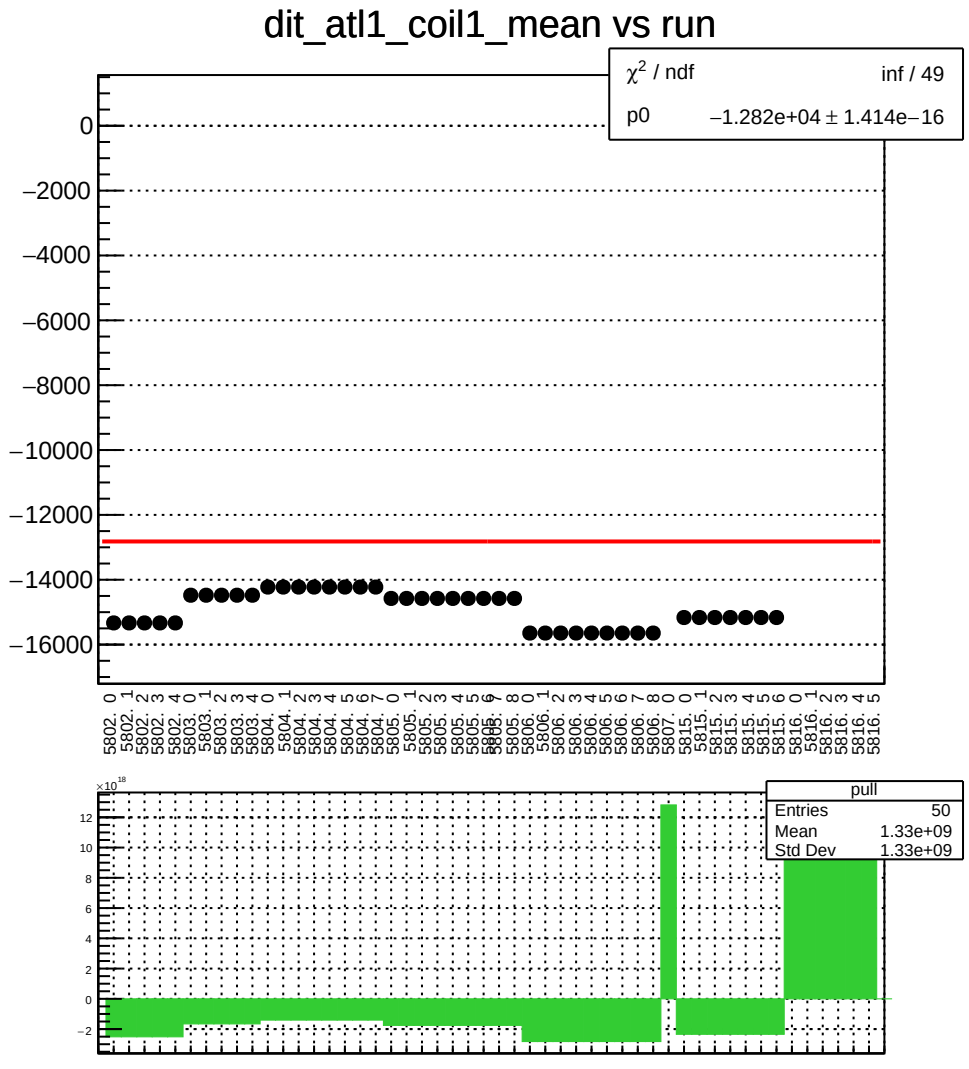
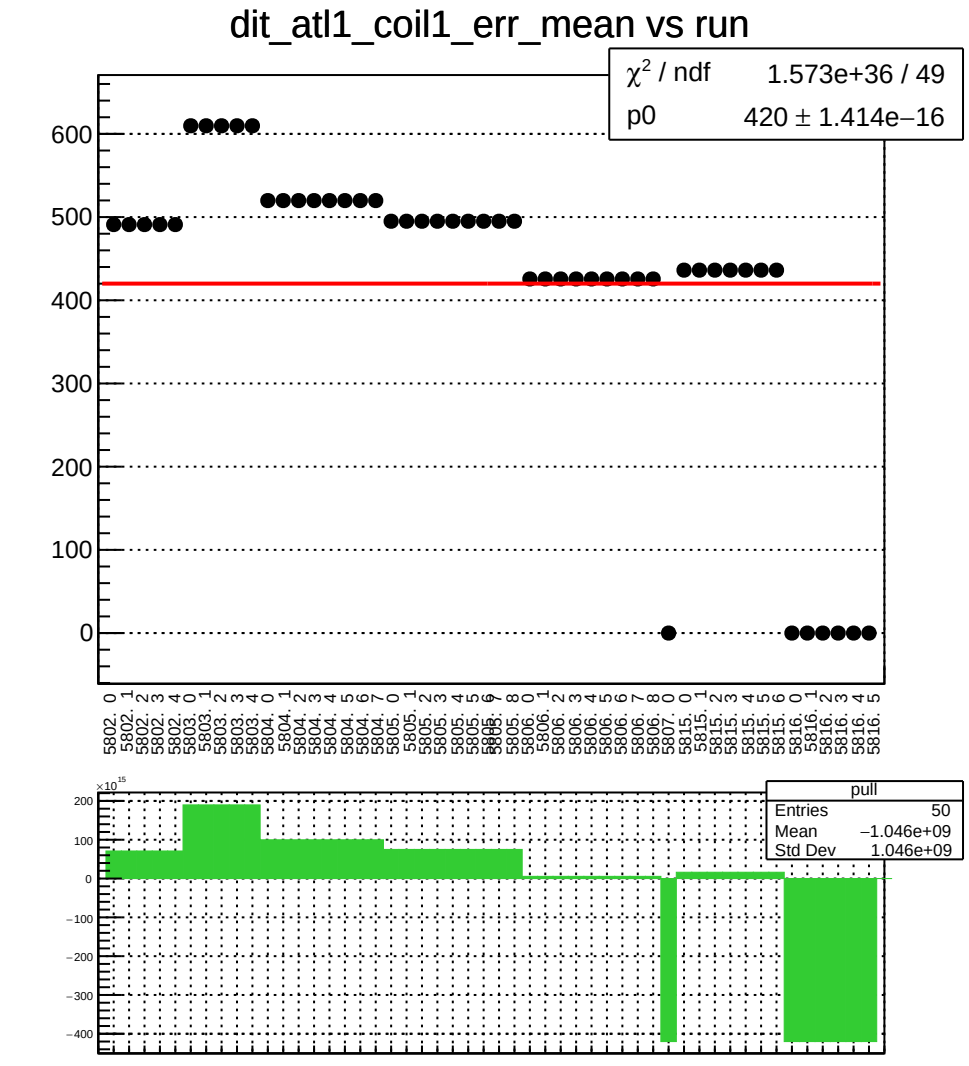
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 50
Mean 1.872e+09
Std Dev 1.872e+09

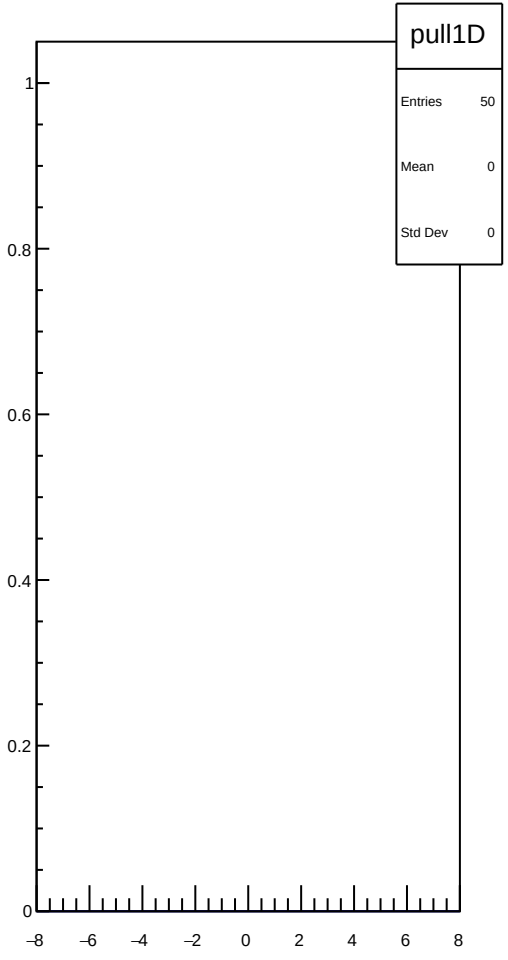

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

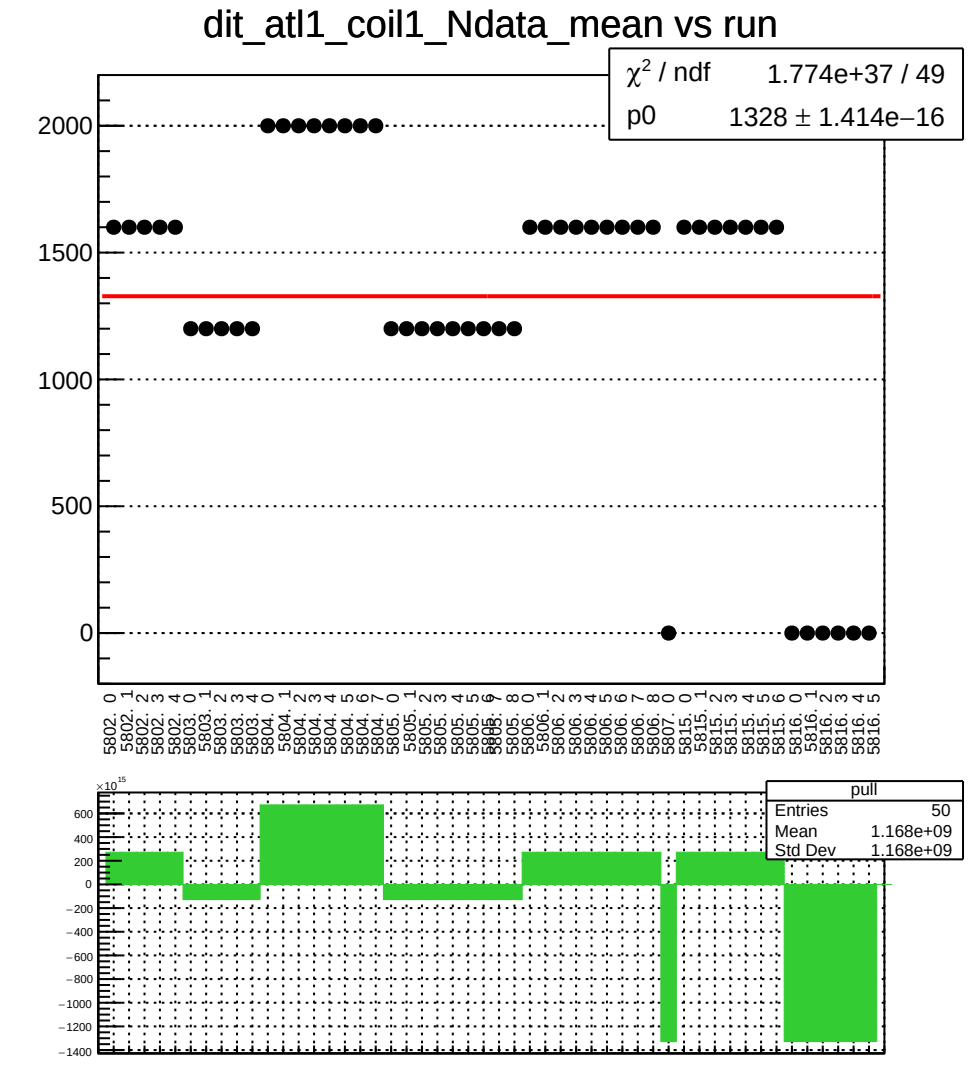

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil1_mean vs run
χ² / ndf inf / 49
p0 −1.282e+04 ± 1.414e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁸
12
10
8
6
4
2
0
−2
pull
Entries 50
Mean 1.33e+09
Std Dev 1.33e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil1_err_mean vs run
χ² / ndf 1.573e+36 / 49
p0 420 ± 1.414e−16
pull
Entries 50
Mean −1.046e+09
Std Dev 1.046e+09


pull1D
Entries 50
Mean 0
Std Dev 0


dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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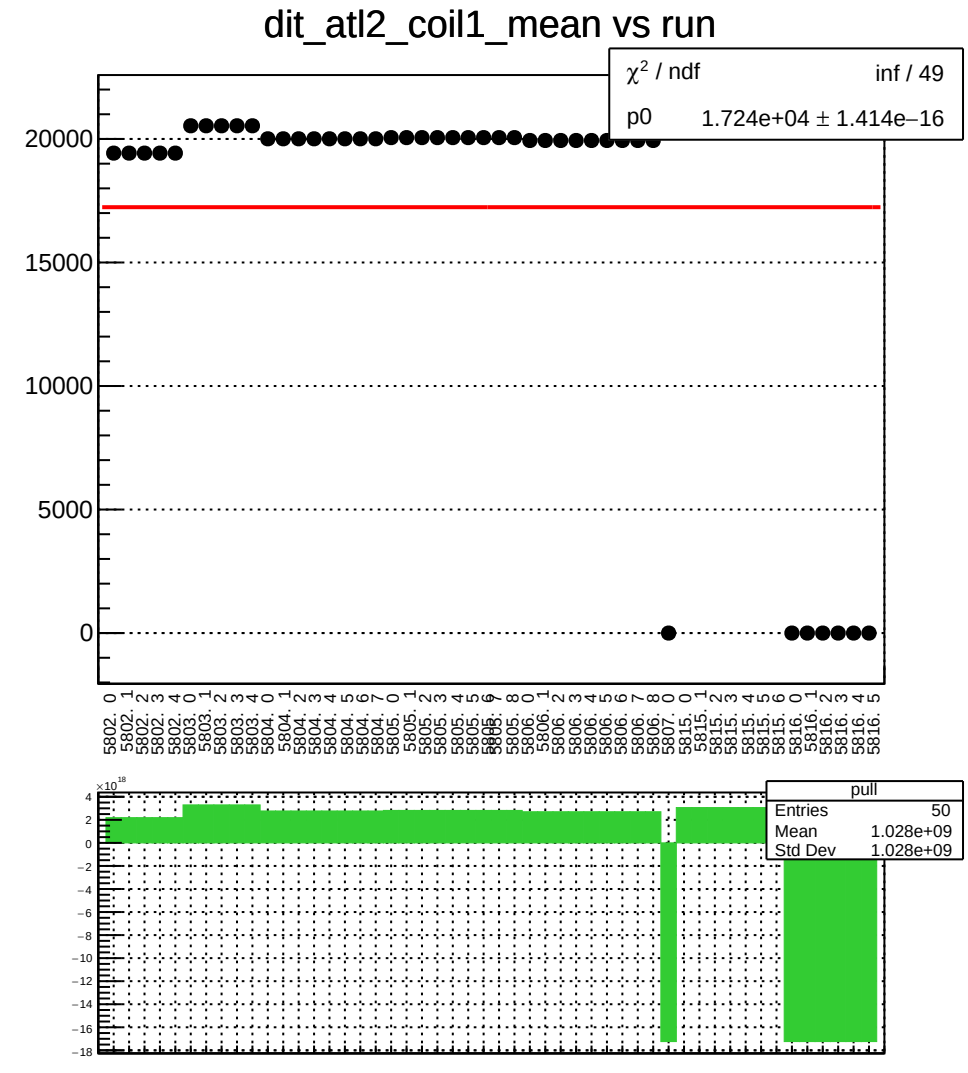
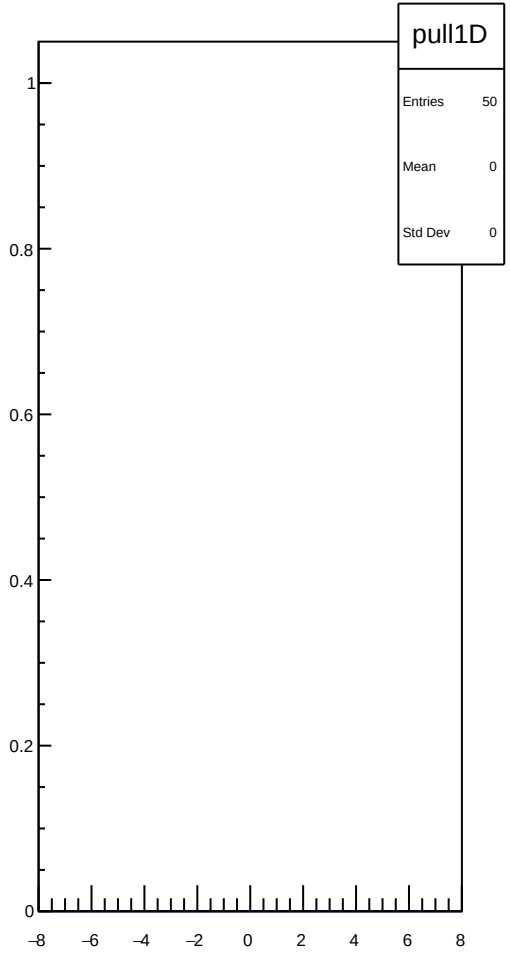
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil1_mean vs run
χ² / ndf inf / 49
p0 1.724e+04 ± 1.414e−16
20000
15000
10000
5000
0
pull
Entries 50
Mean 1.028e+09
Std Dev 1.028e+09
×10¹⁸


pull1D
Entries 50
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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−6
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−2
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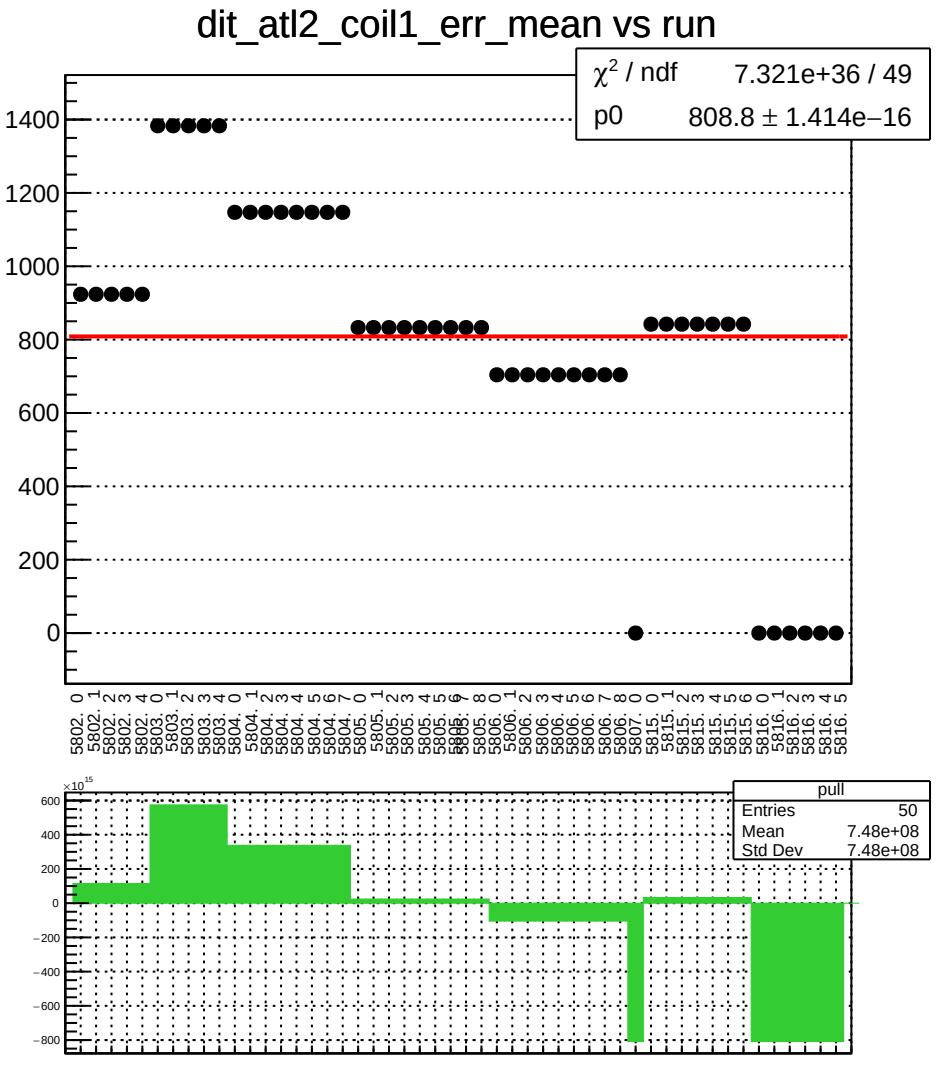
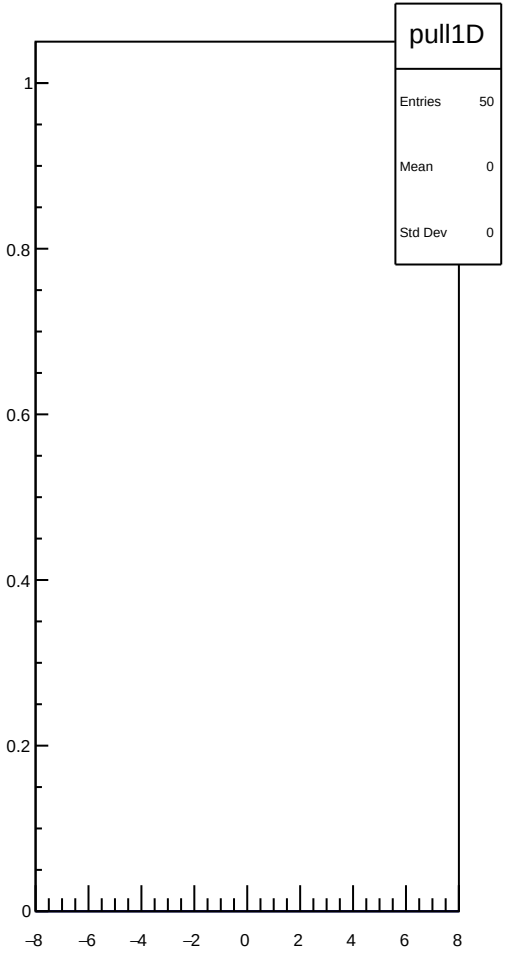
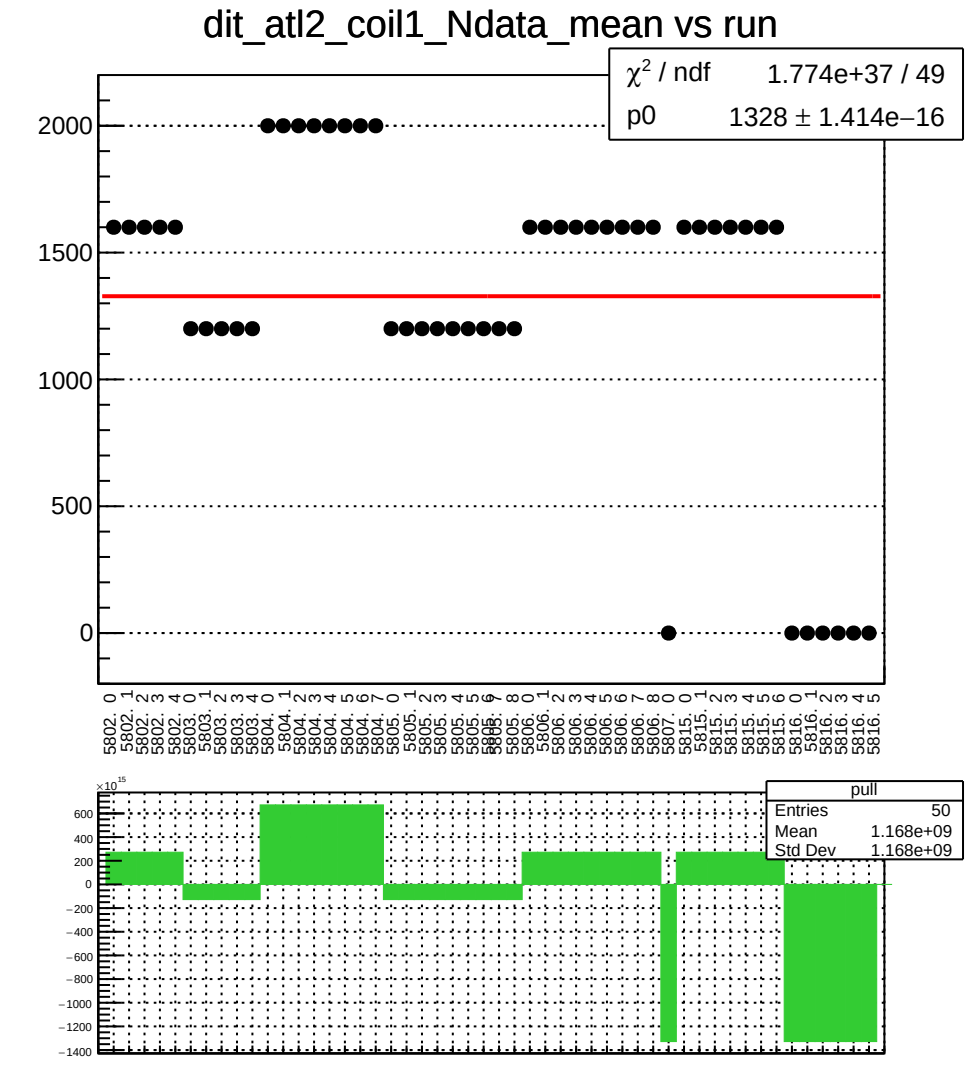
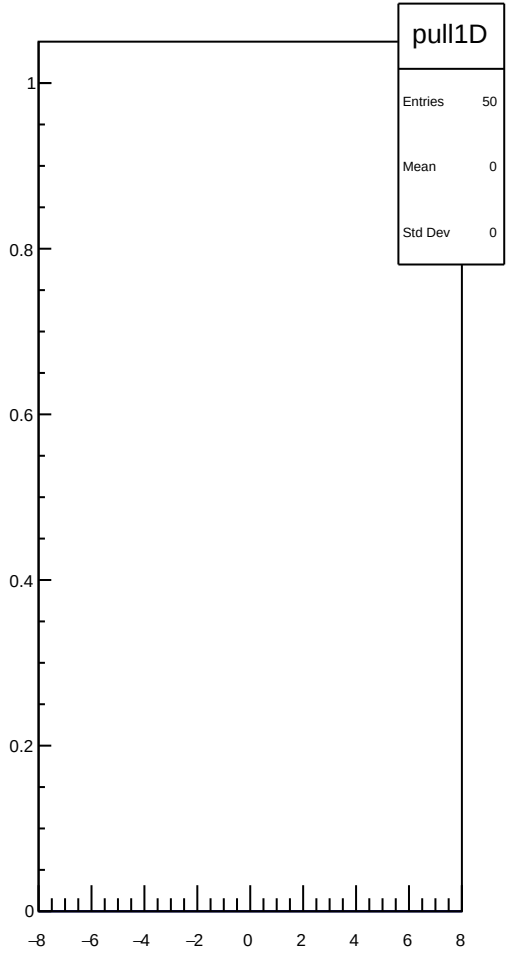
2
4
6
8


dit_atl2_coil1_err_mean vs run
χ² / ndf 7.321e+36 / 49
p0 808.8 ± 1.414e−16
pull
Entries 50
Mean 7.48e+08
Std Dev 7.48e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400


pull1D
Entries 50
Mean 0
Std Dev 0
1
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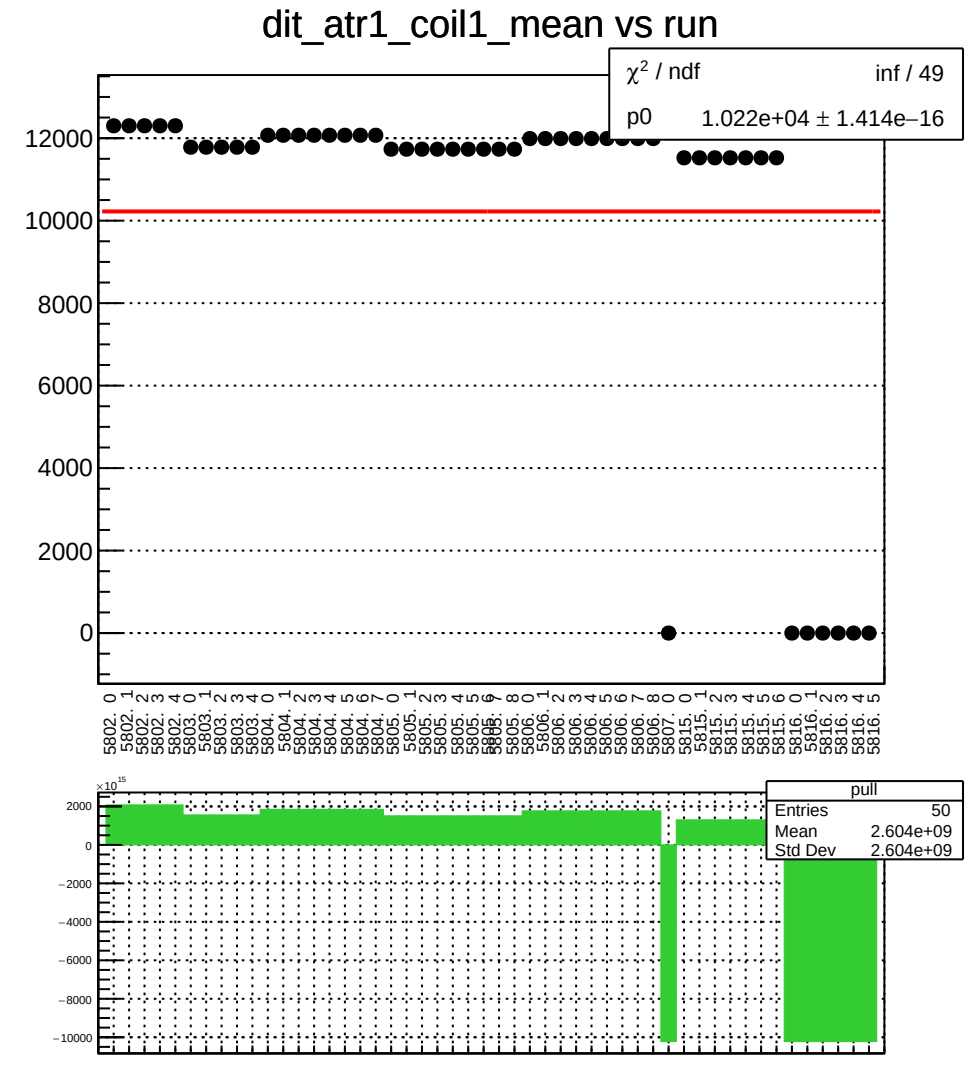
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil1_mean vs run
χ² / ndf inf / 49
p0 1.022e+04 ± 1.414e−16
12000
10000
8000
6000
4000
2000
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
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5803. 4
5804. 0
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5804. 3
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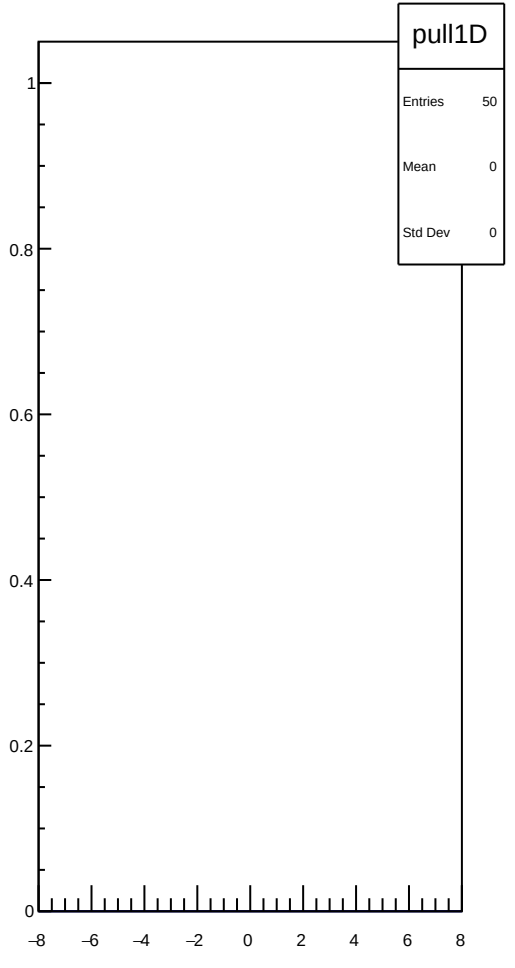
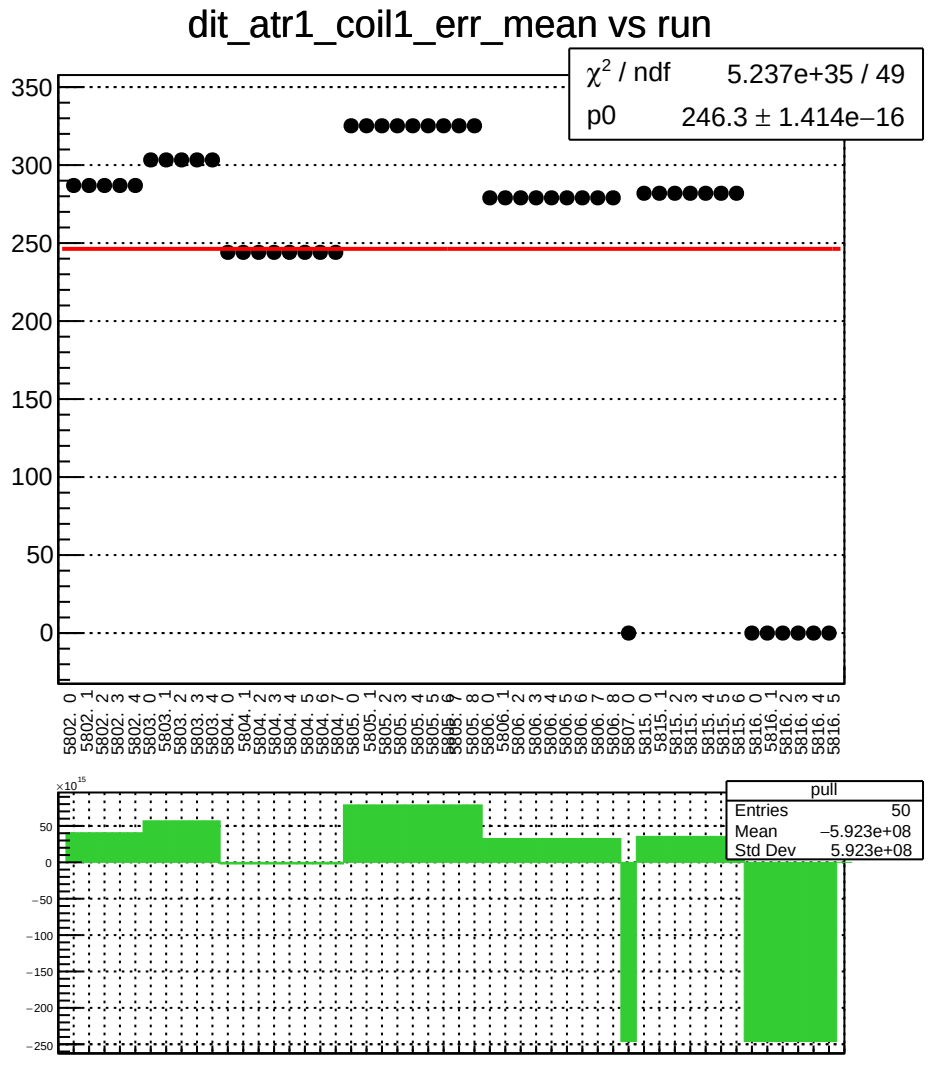
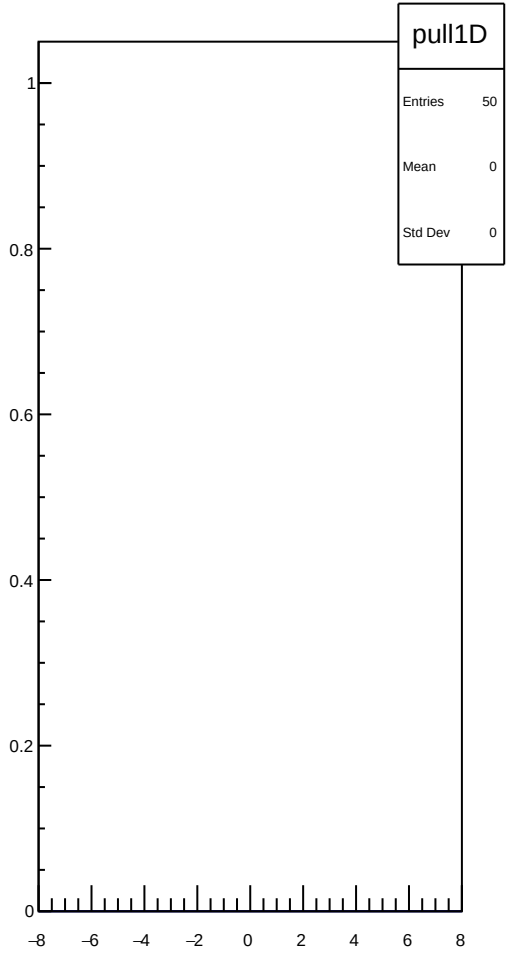
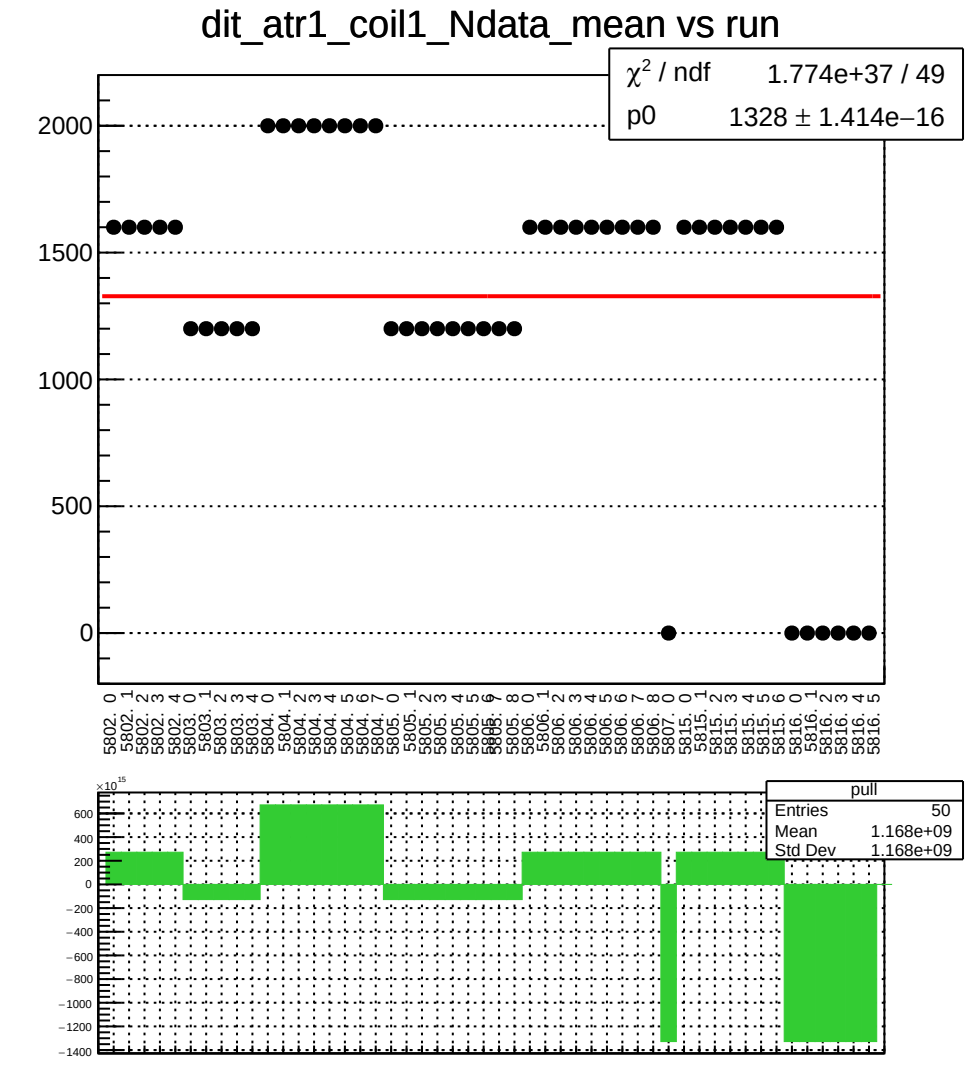
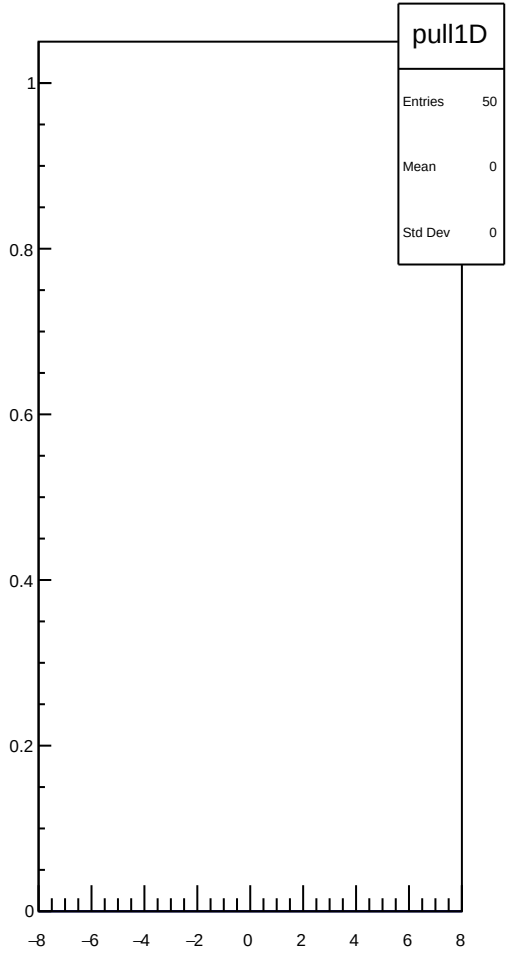
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 50
Mean 2.604e+09
Std Dev 2.604e+09


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil1_err_mean vs run
χ² / ndf 5.237e+35 / 49
p0 246.3 ± 1.414e−16
pull
Entries 50
Mean −5.923e+08
Std Dev 5.923e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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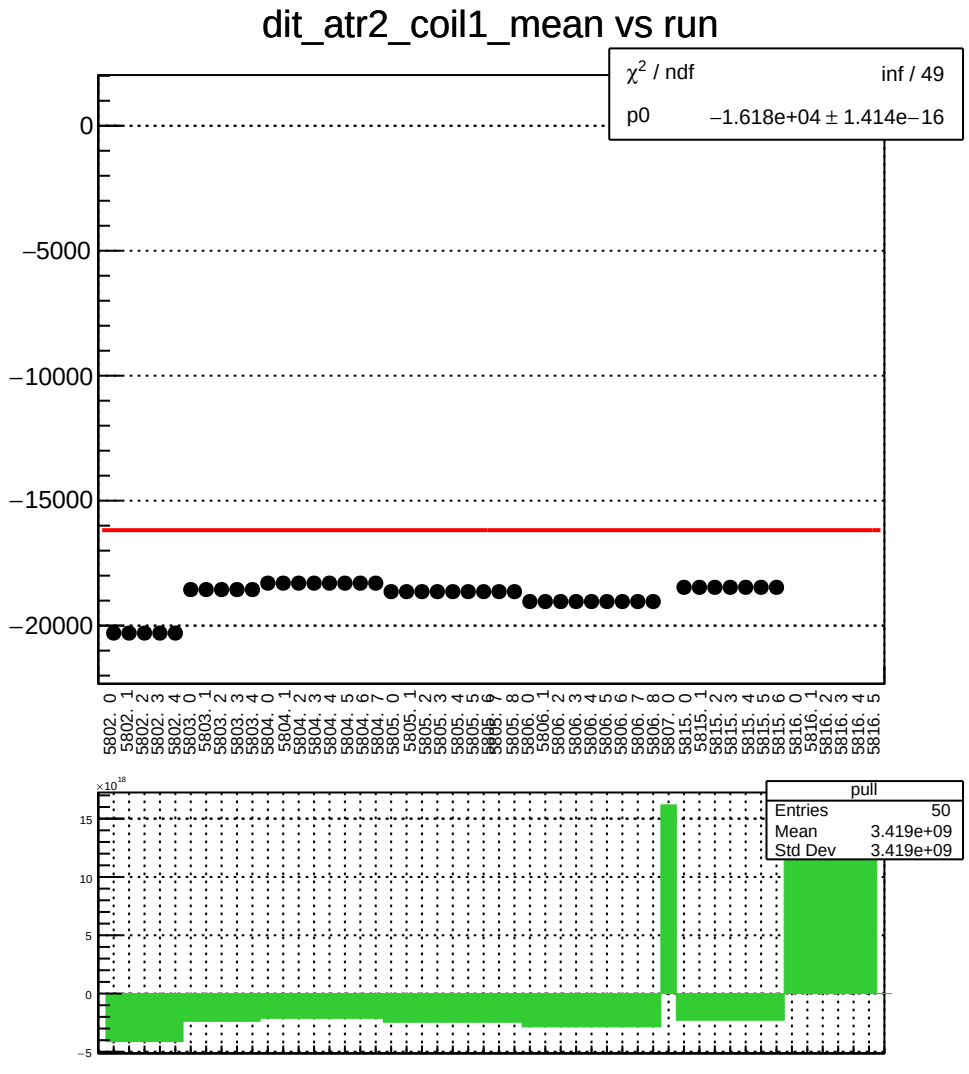
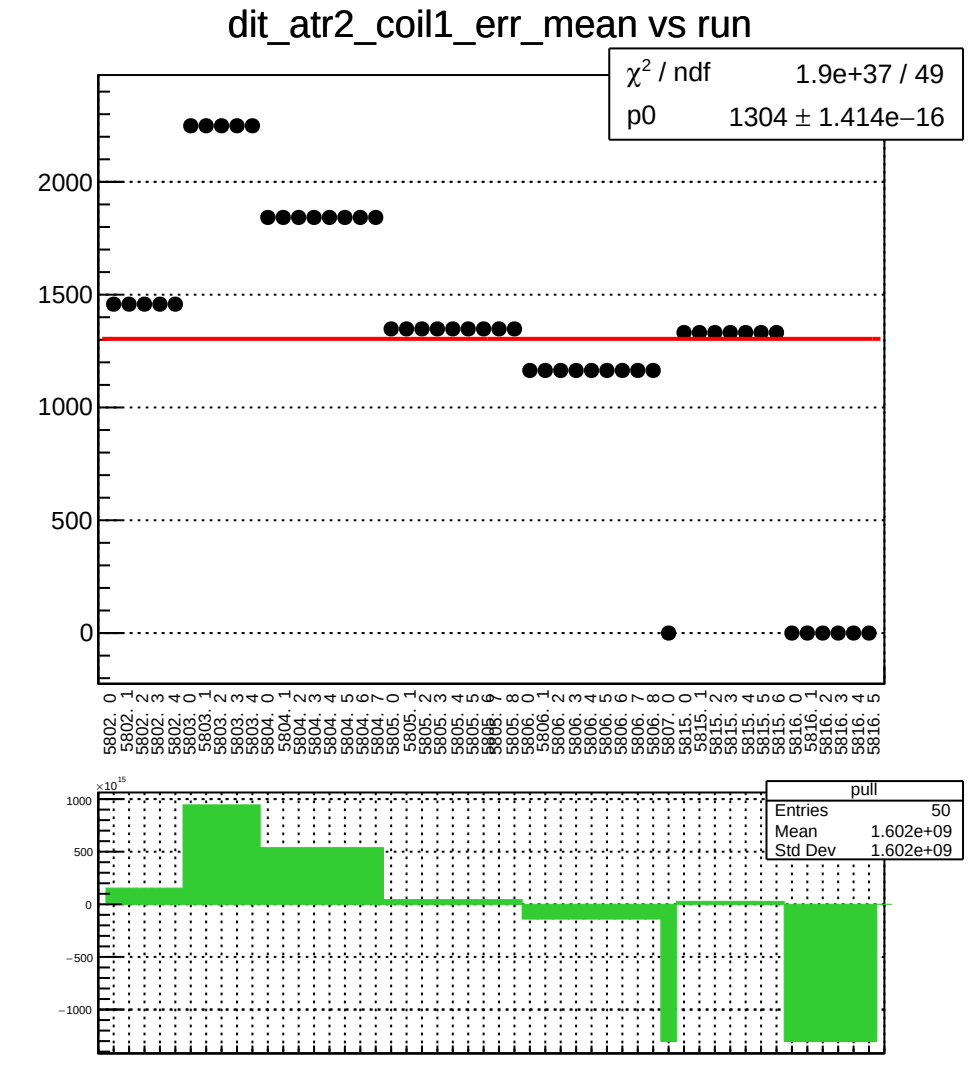
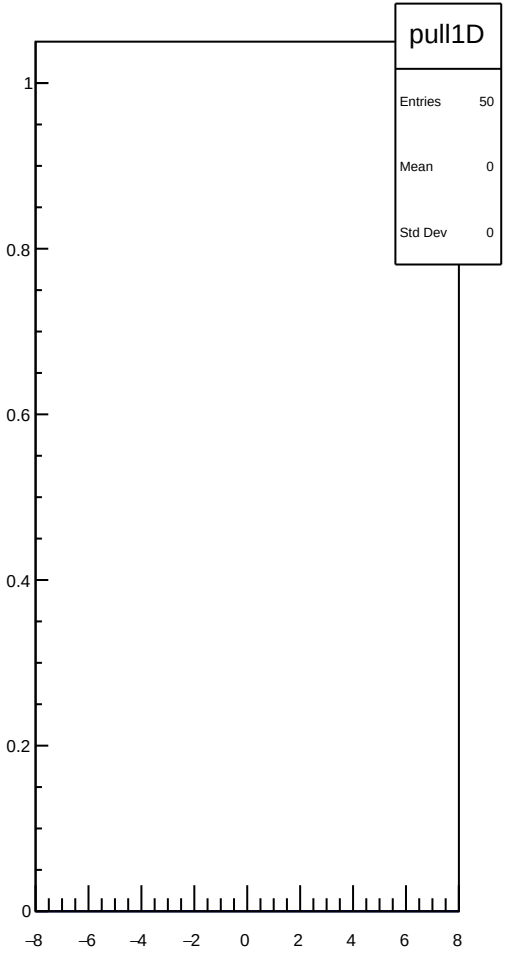
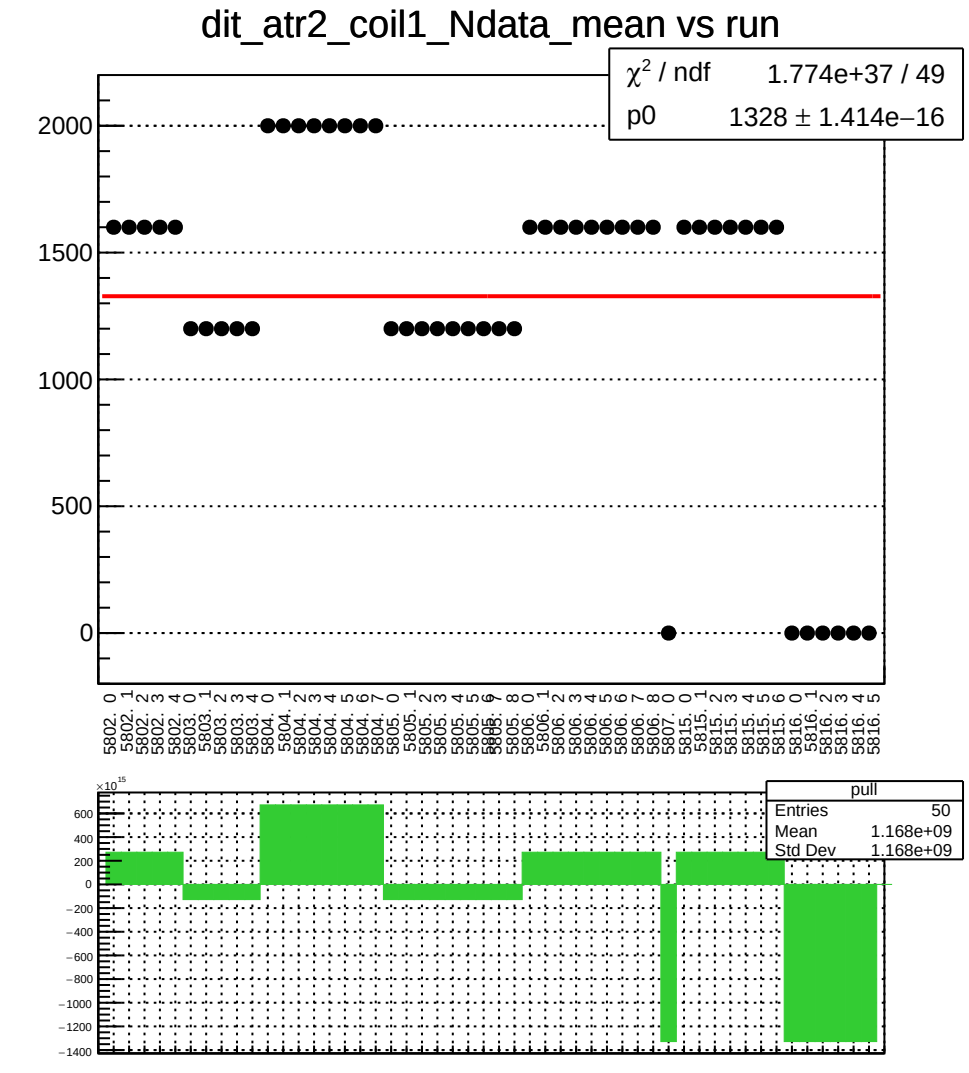
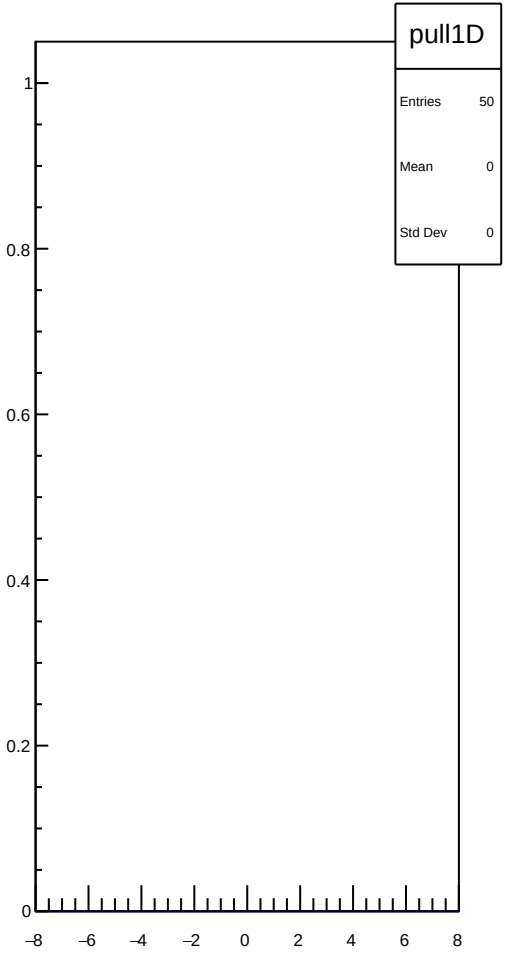
2
4
6
8

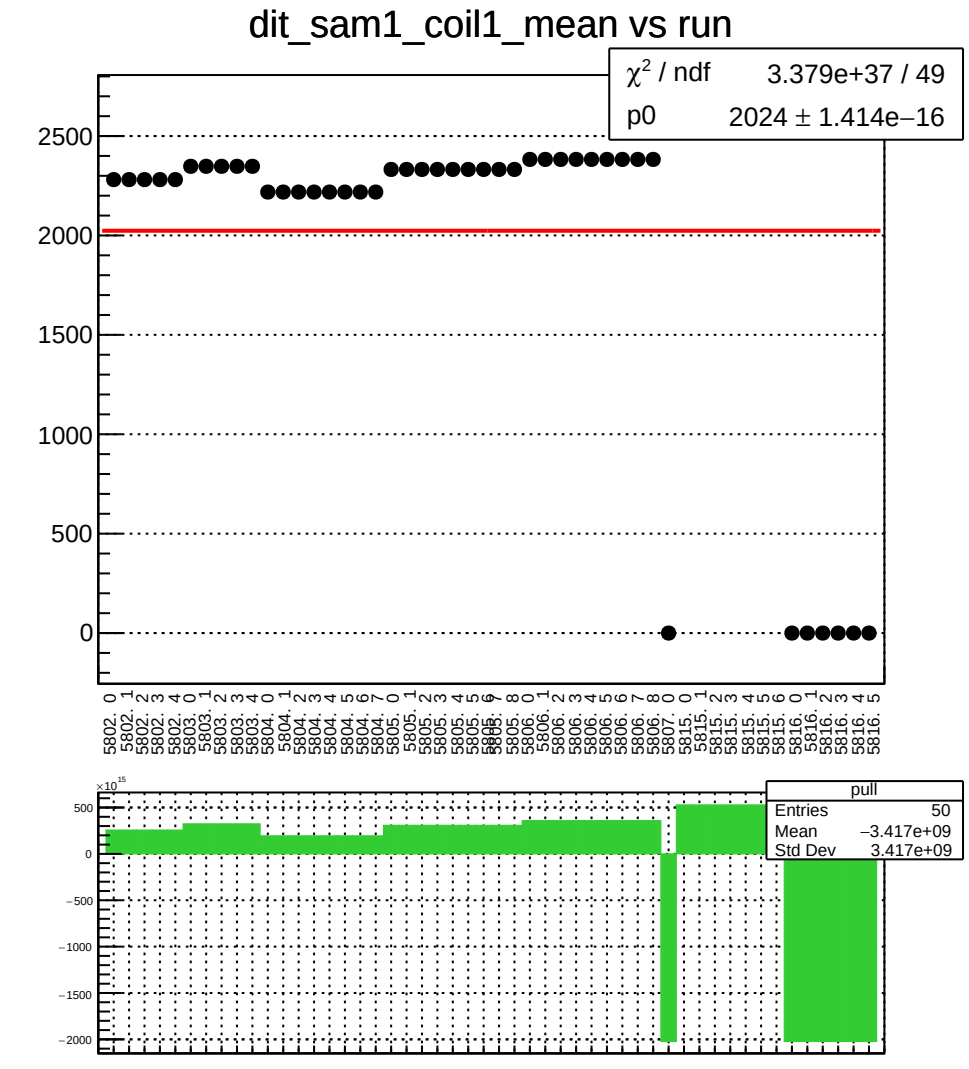

dit_atr2_coil1_mean vs run
χ² / ndf inf / 49
p0 −1.618e+04 ± 1.414e−16
0
−5000
−10000
−15000
−20000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁸
15
10
5
0
−5
pull
Entries 50
Mean 3.419e+09
Std Dev 3.419e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

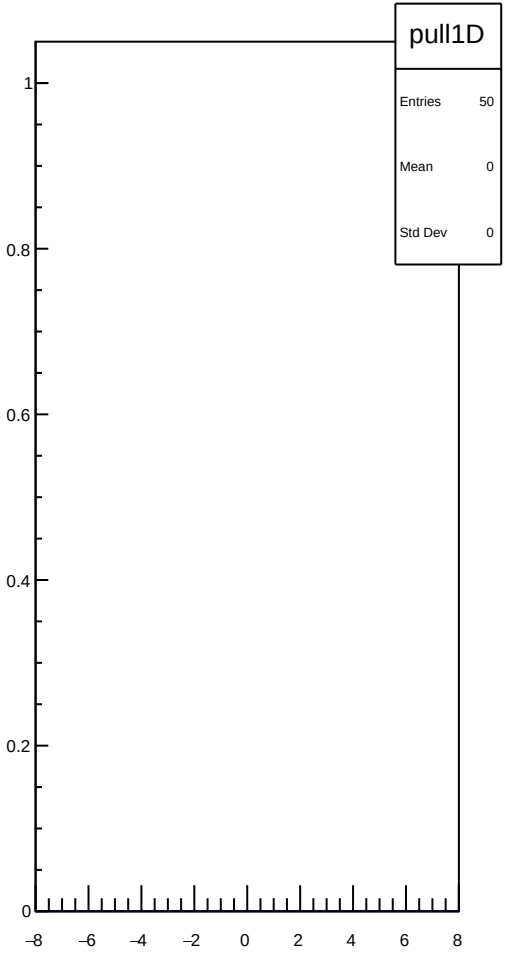

dit_atr2_coil1_err_mean vs run
χ² / ndf 1.9e+37 / 49
p0 1304 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.602e+09
Std Dev 1.602e+09


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_coil1_mean vs run
χ² / ndf 3.379e+37 / 49
p0 2024 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean −3.417e+09
Std Dev 3.417e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
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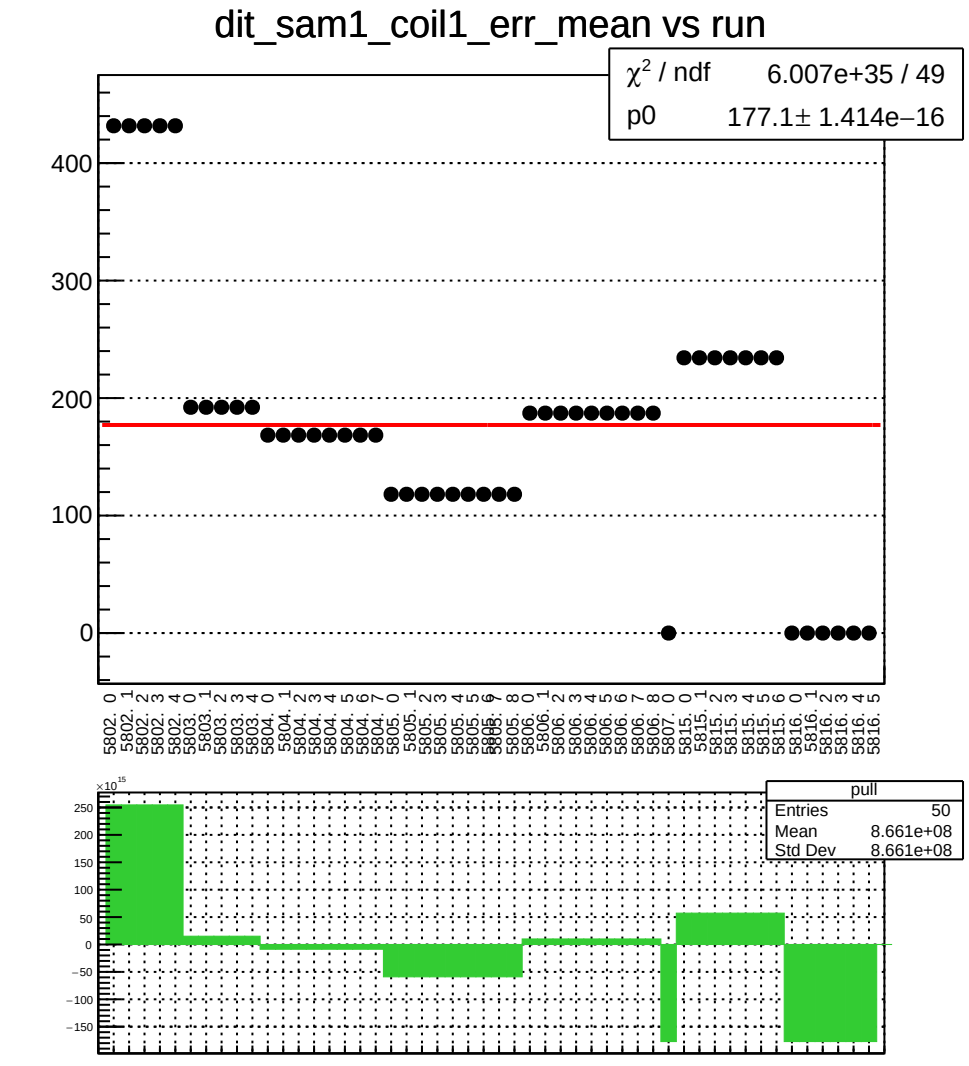
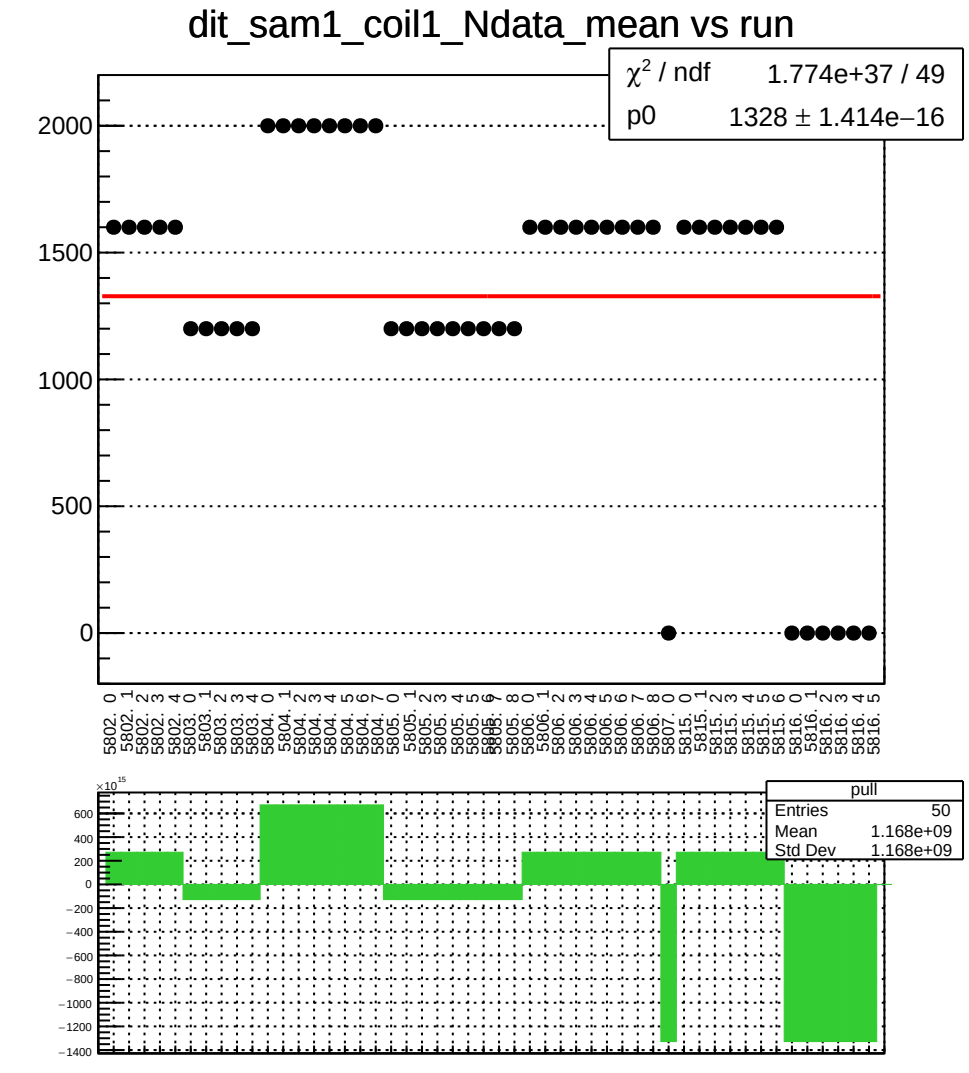
2
4
6
8


dit_sam1_coil1_err_mean vs run
χ² / ndf 6.007e+35 / 49
p0 177.1± 1.414e−16
400
300
200
100
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
250
200
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean 8.661e+08
Std Dev 8.661e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
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5804. 2
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5804. 7
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5805. 2
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5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
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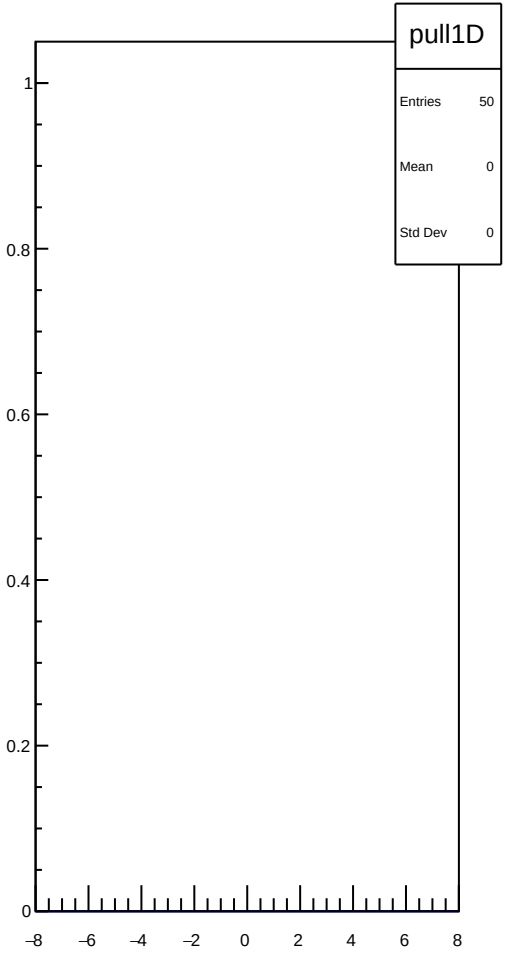
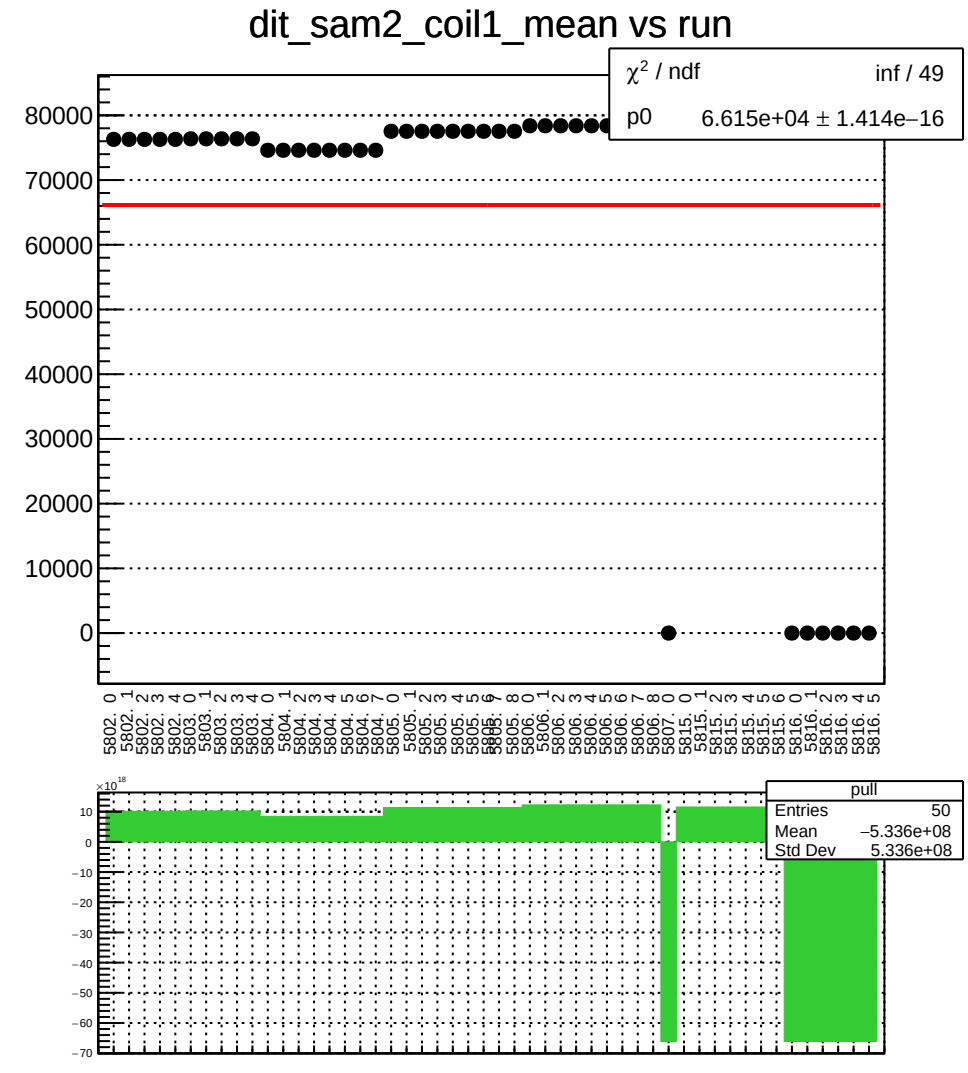
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_coil1_mean vs run
χ² / ndf inf / 49
p0 6.615e+04 ± 1.414e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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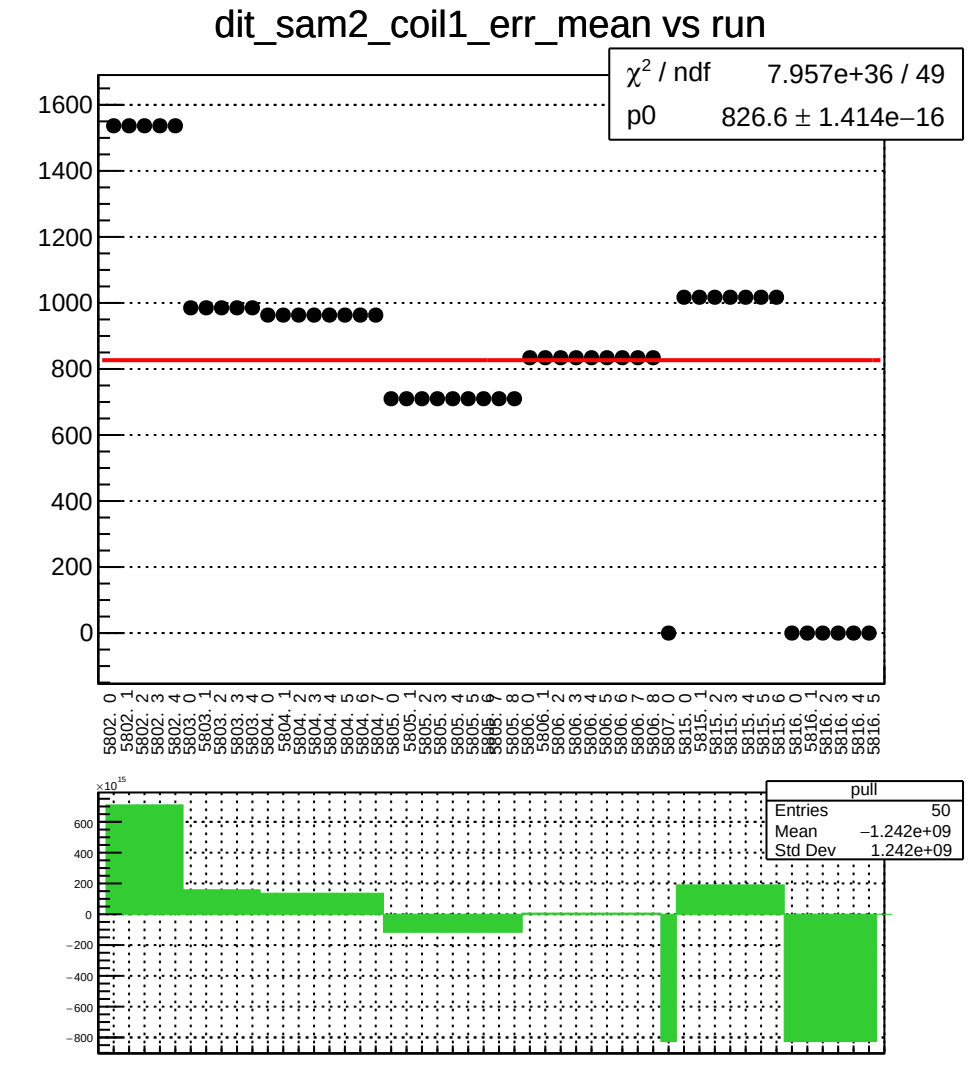
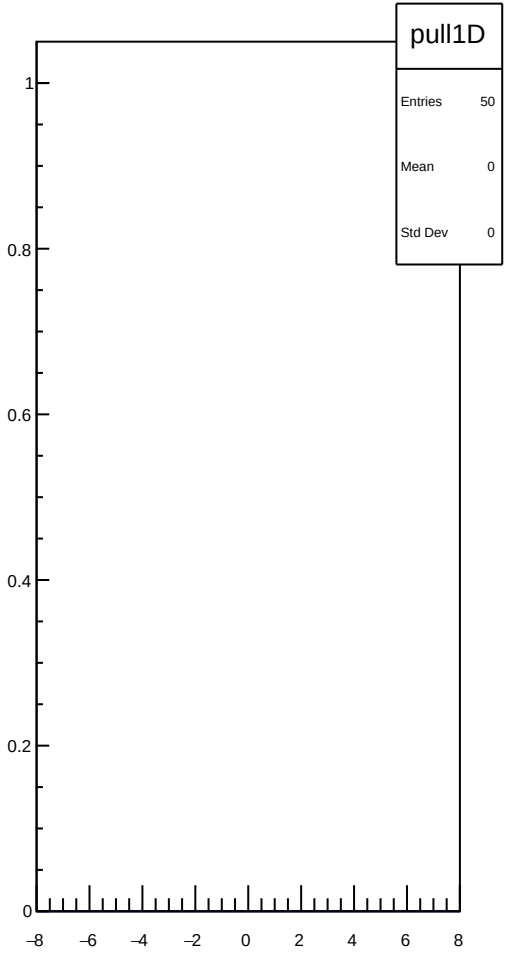
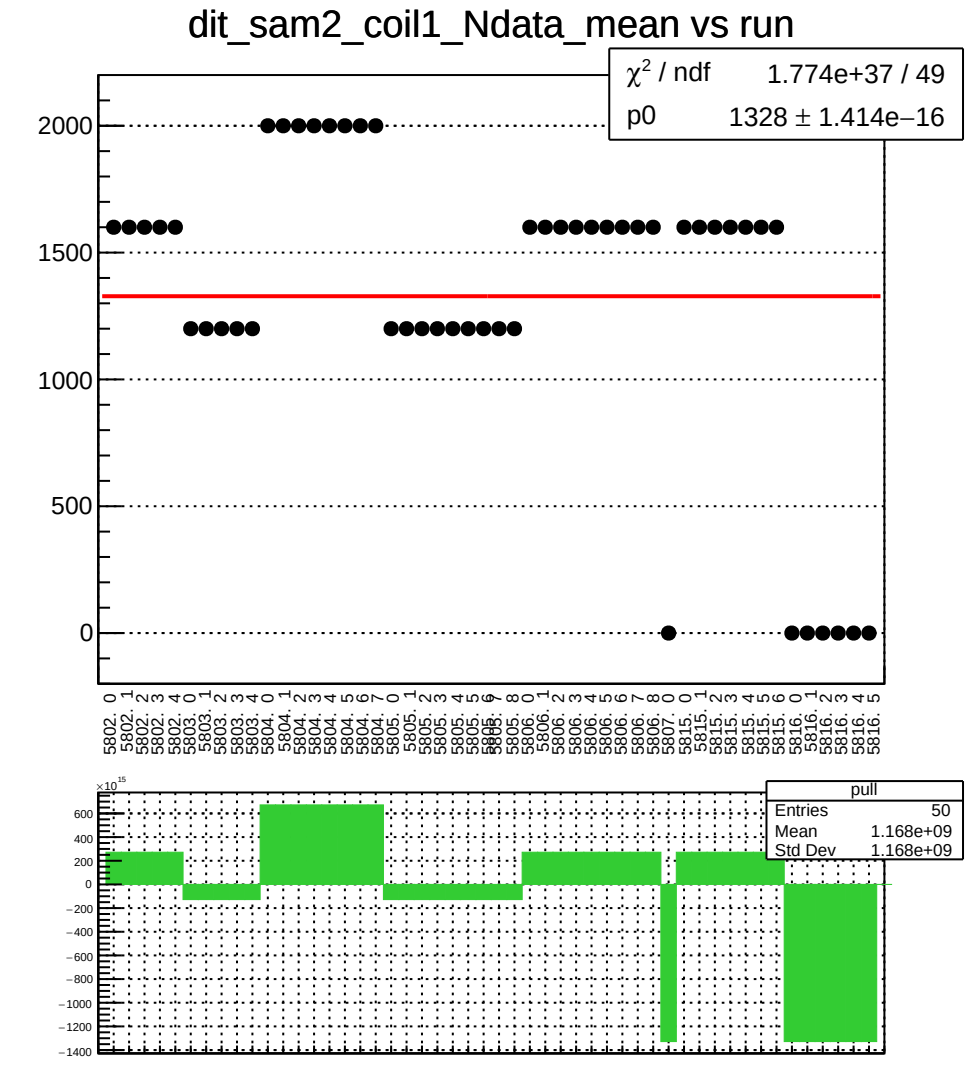
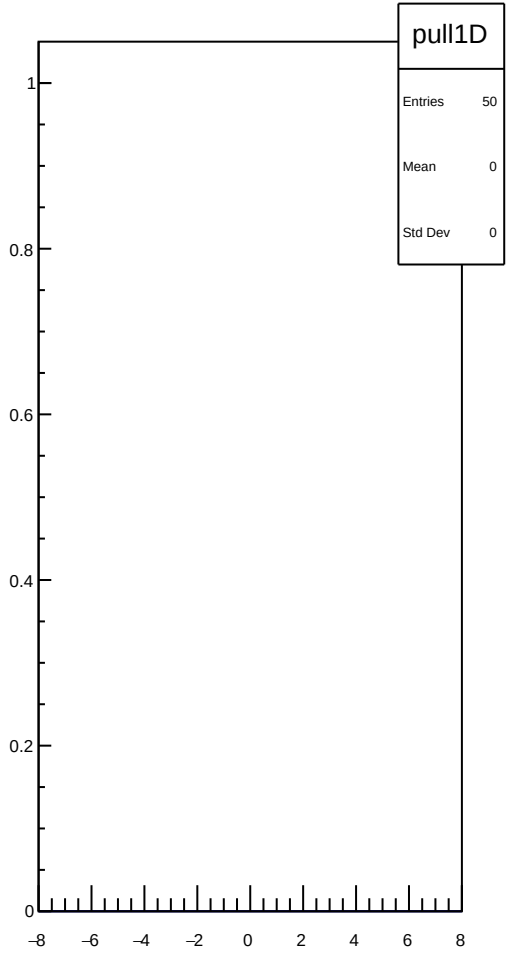
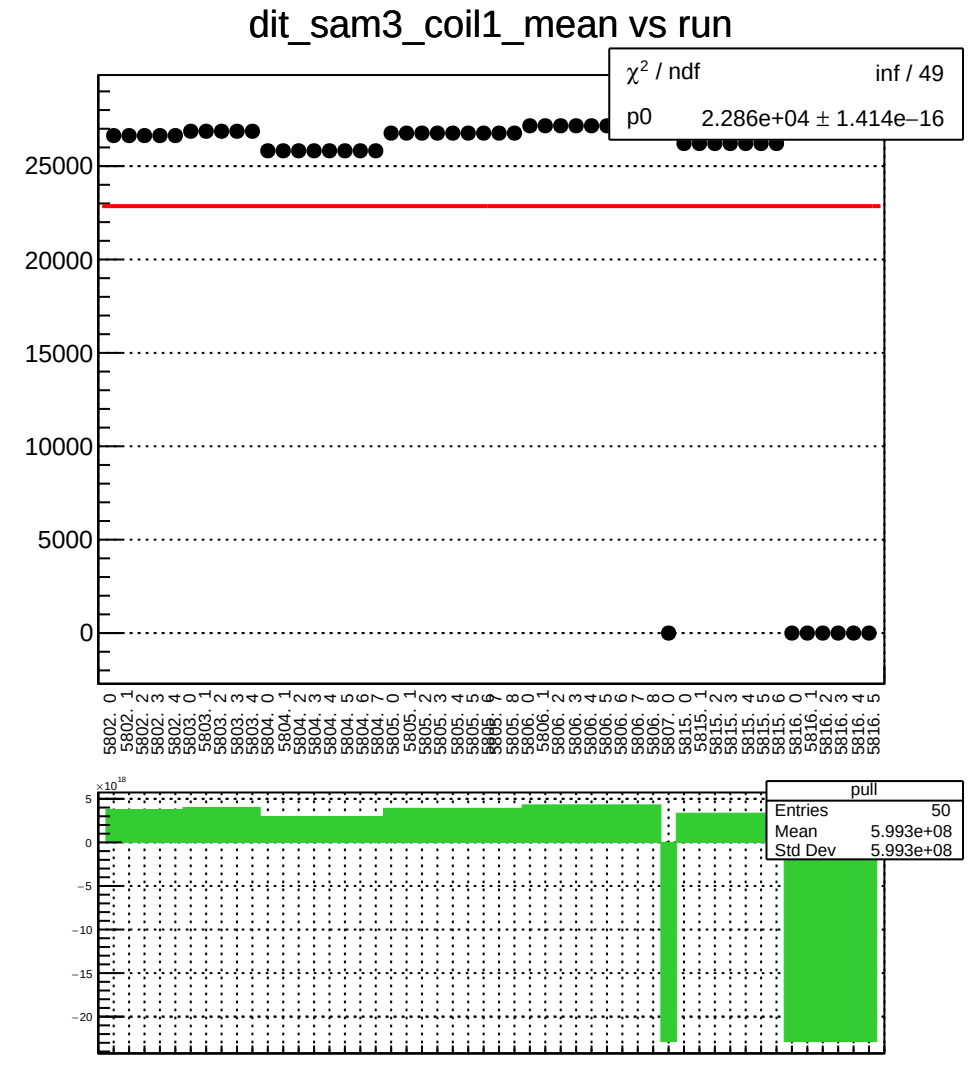
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁸
10
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 50
Mean −5.336e+08
Std Dev 5.336e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

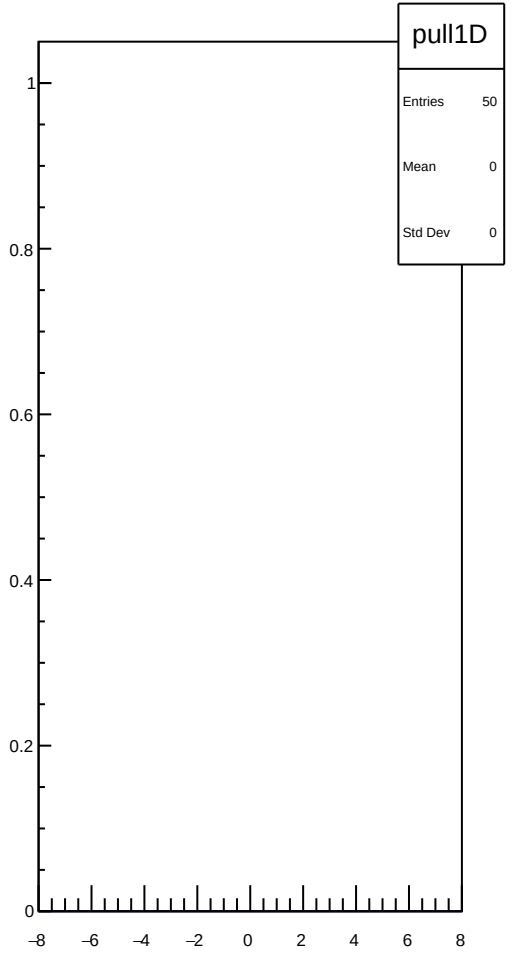

dit_sam2_coil1_err_mean vs run
χ² / ndf 7.957e+36 / 49
p0 826.6 ± 1.414e−16
pull
Entries 50
Mean −1.242e+09
Std Dev 1.242e+09

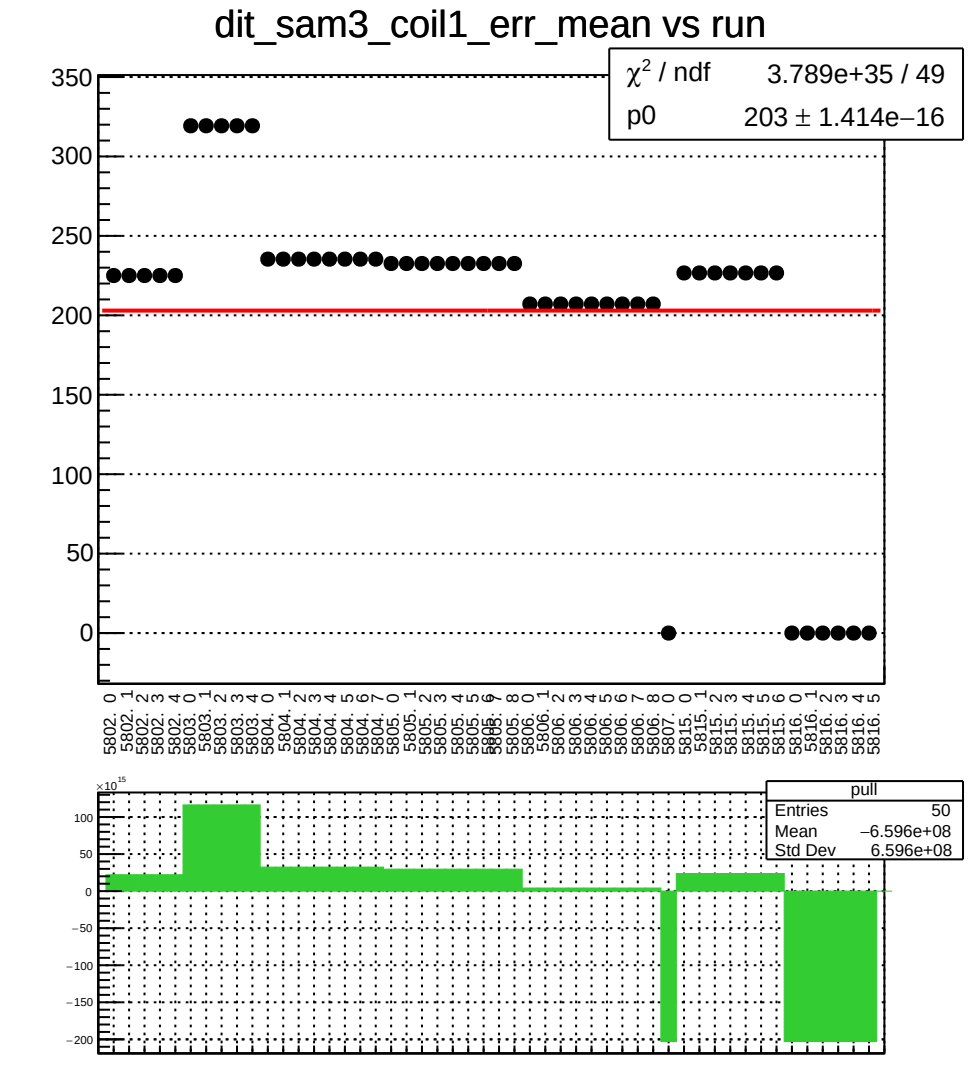

pull1D
Entries 50
Mean 0
Std Dev 0

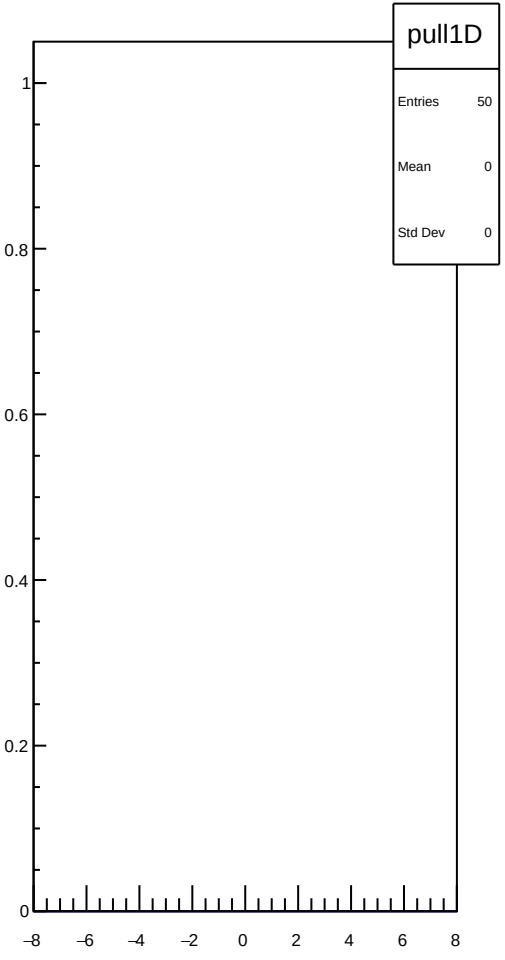

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

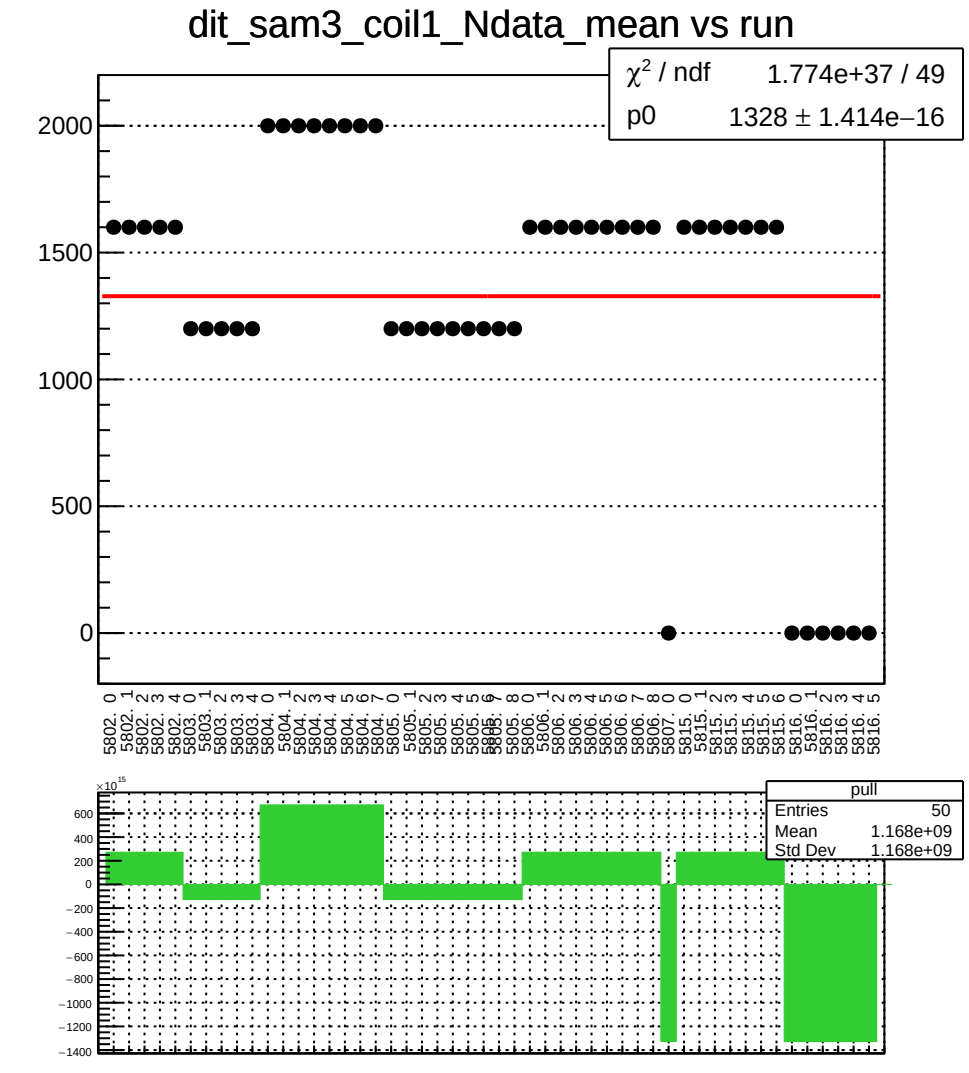

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

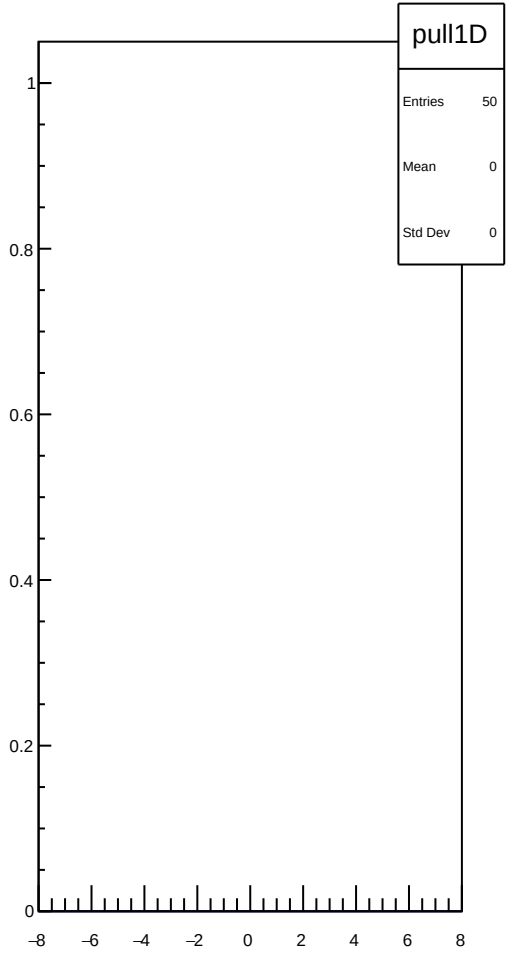

dit_sam3_coil1_mean vs run
χ² / ndf inf / 49
p0 2.286e+04 ± 1.414e−16
25000
20000
15000
10000
5000
0
pull
Entries 50
Mean 5.993e+08
Std Dev 5.993e+08


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_coil1_err_mean vs run
χ² / ndf 3.789e+35 / 49
p0 203 ± 1.414e−16
pull
Entries 50
Mean −6.596e+08
Std Dev 6.596e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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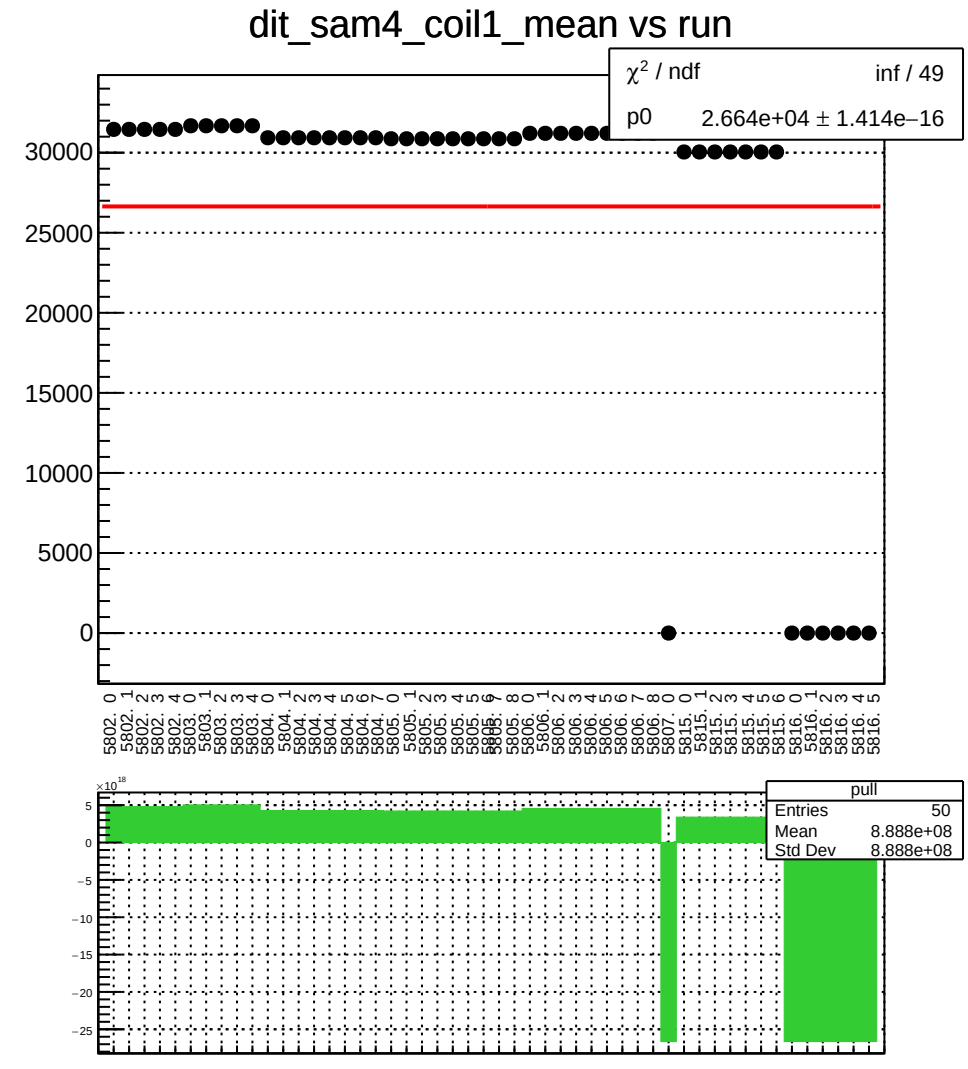
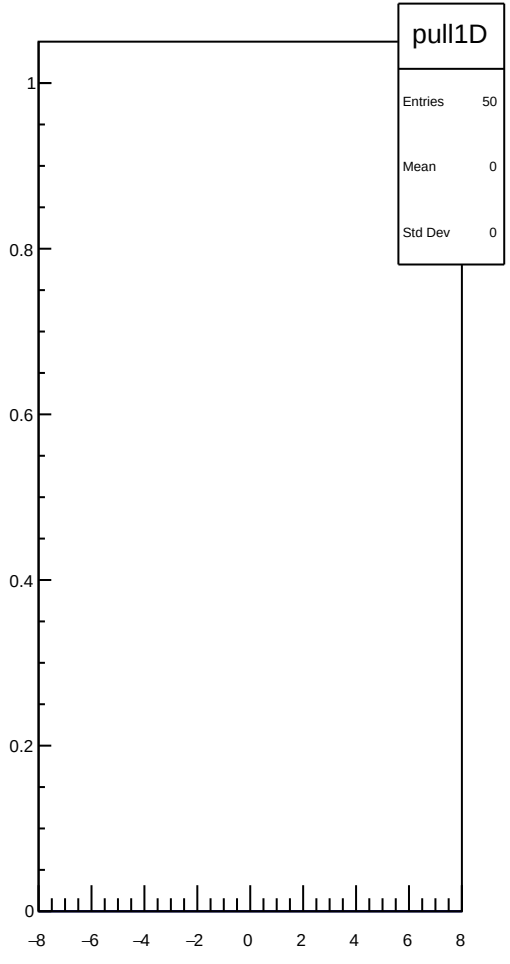
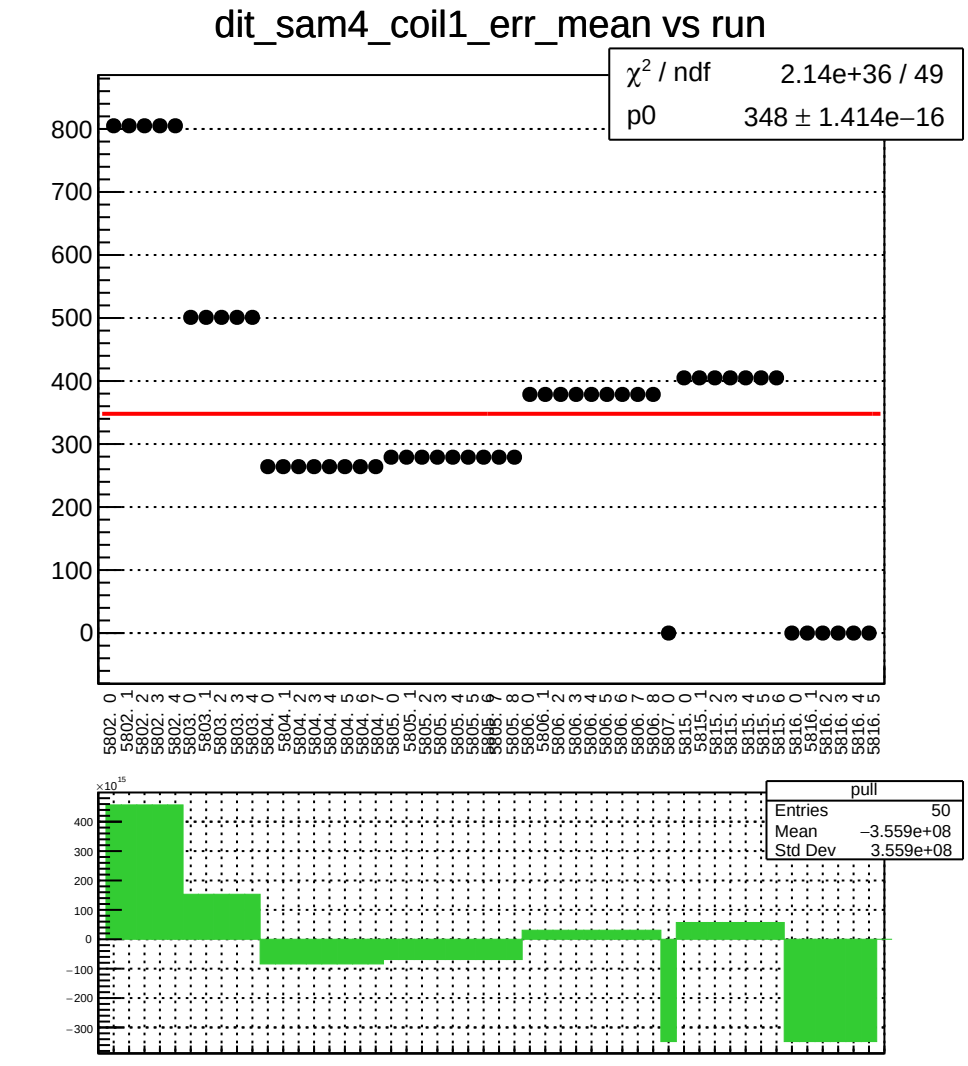
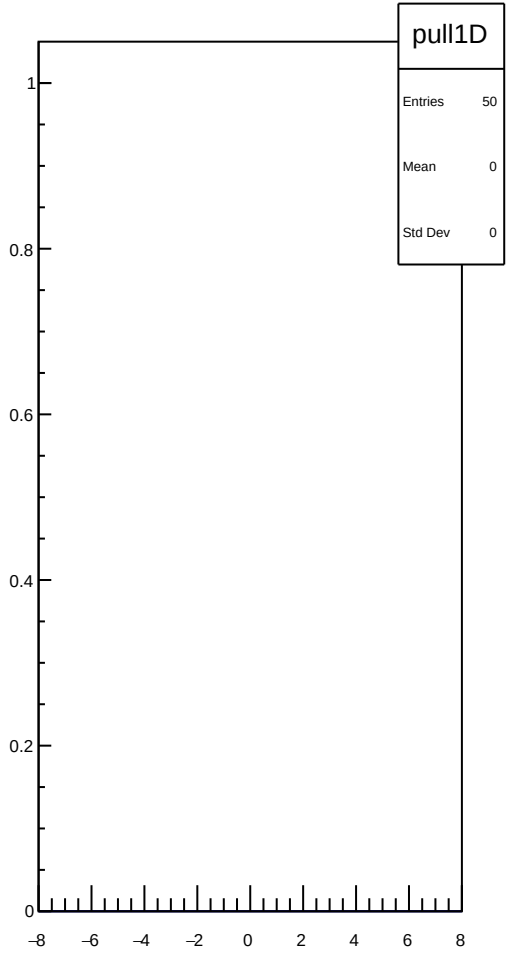
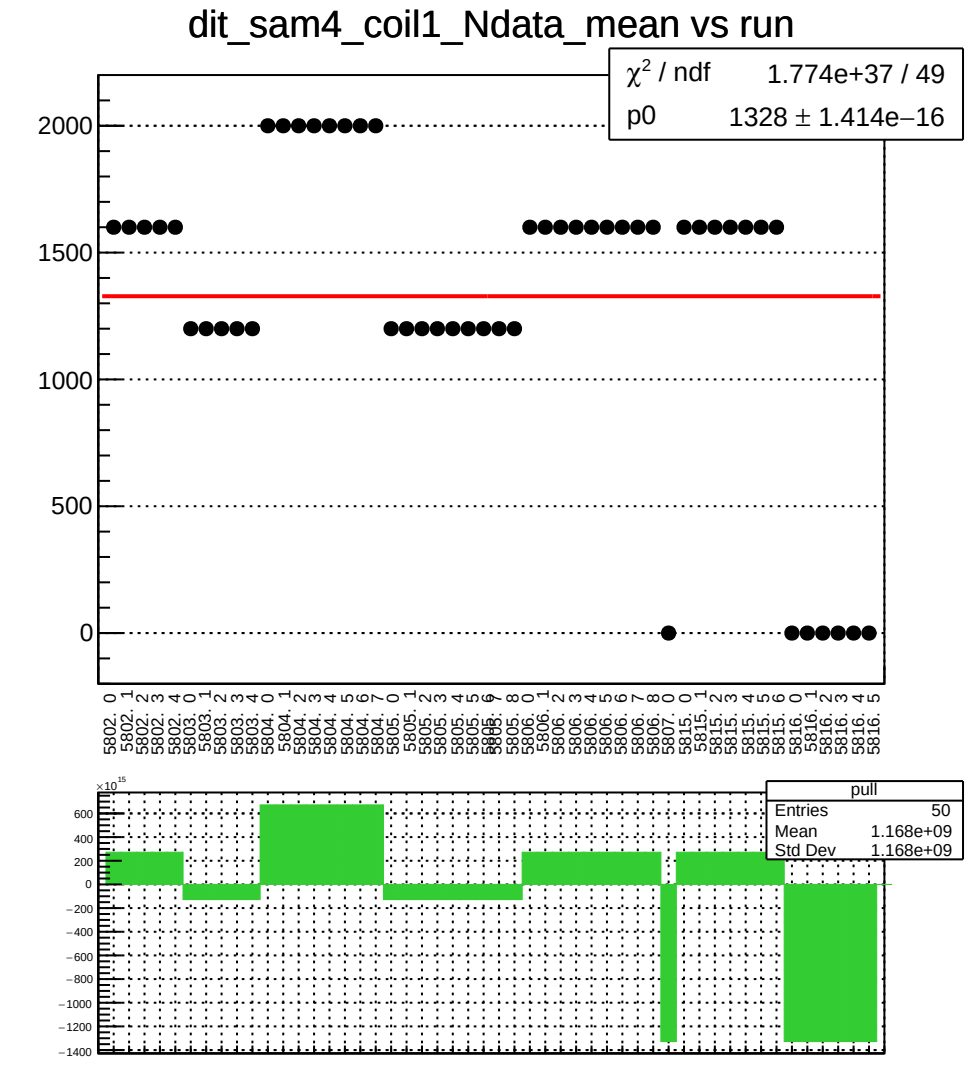
2
4
6
8

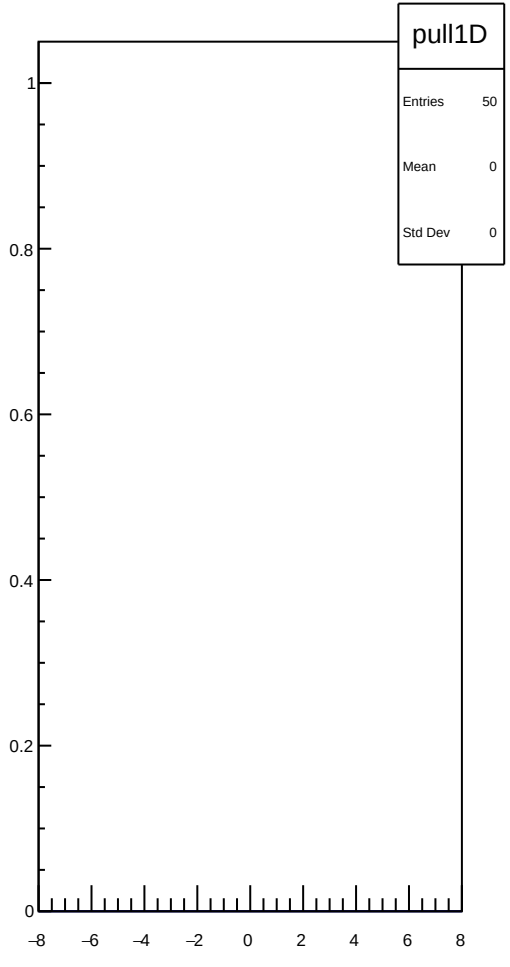

dit_sam4_coil1_mean vs run
χ² / ndf inf / 49
p0 2.664e+04 ± 1.414e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 50
Mean 8.888e+08
Std Dev 8.888e+08

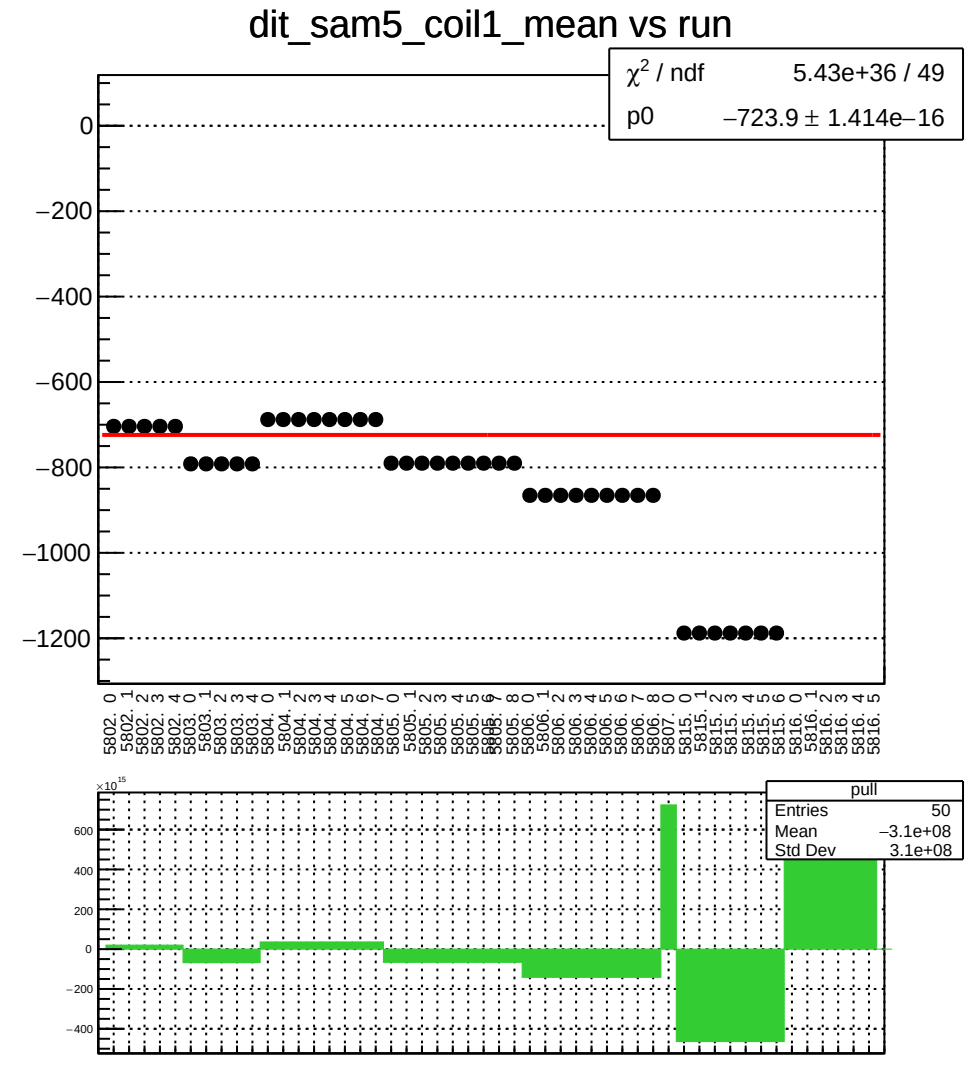

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

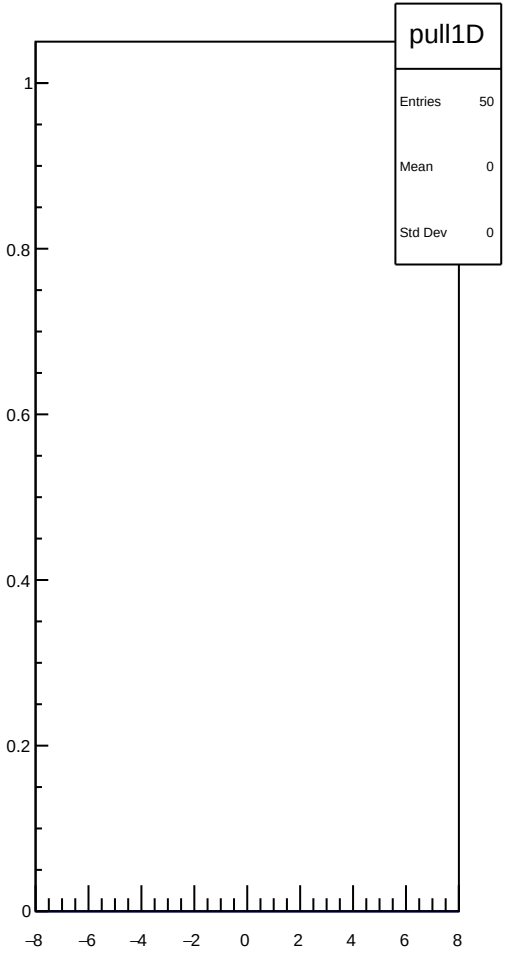

dit_sam4_coil1_err_mean vs run
χ² / ndf 2.14e+36 / 49
p0 348 ± 1.414e−16
pull
Entries 50
Mean −3.559e+08
Std Dev 3.559e+08
×10¹⁵

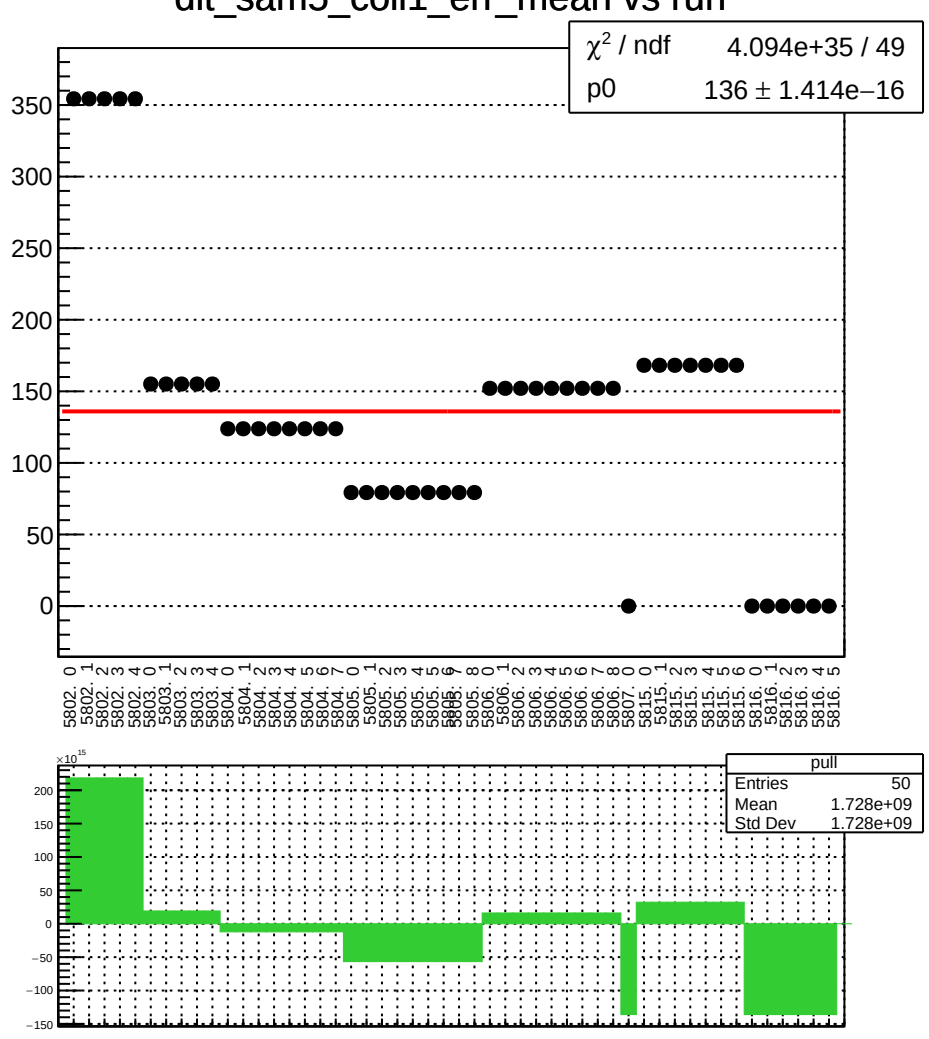

pull1D
Entries 50
Mean 0
Std Dev 0

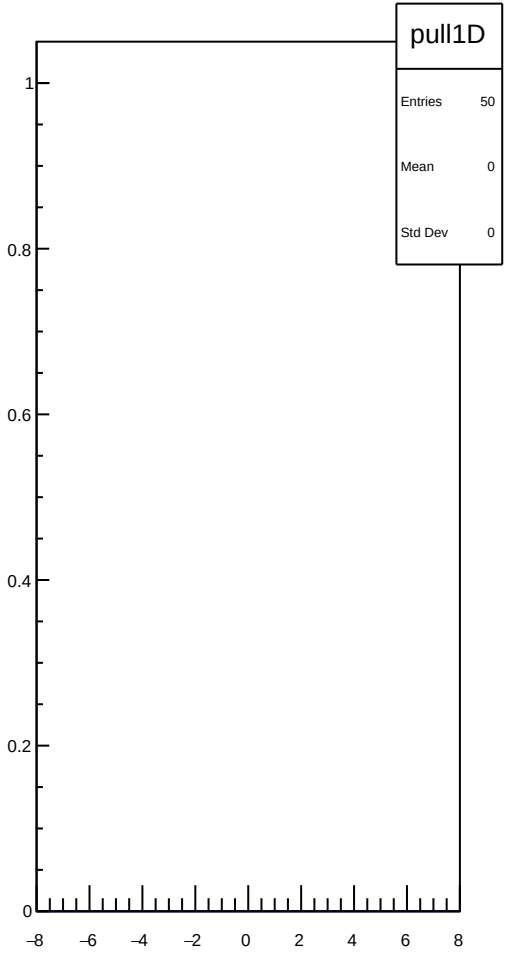

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

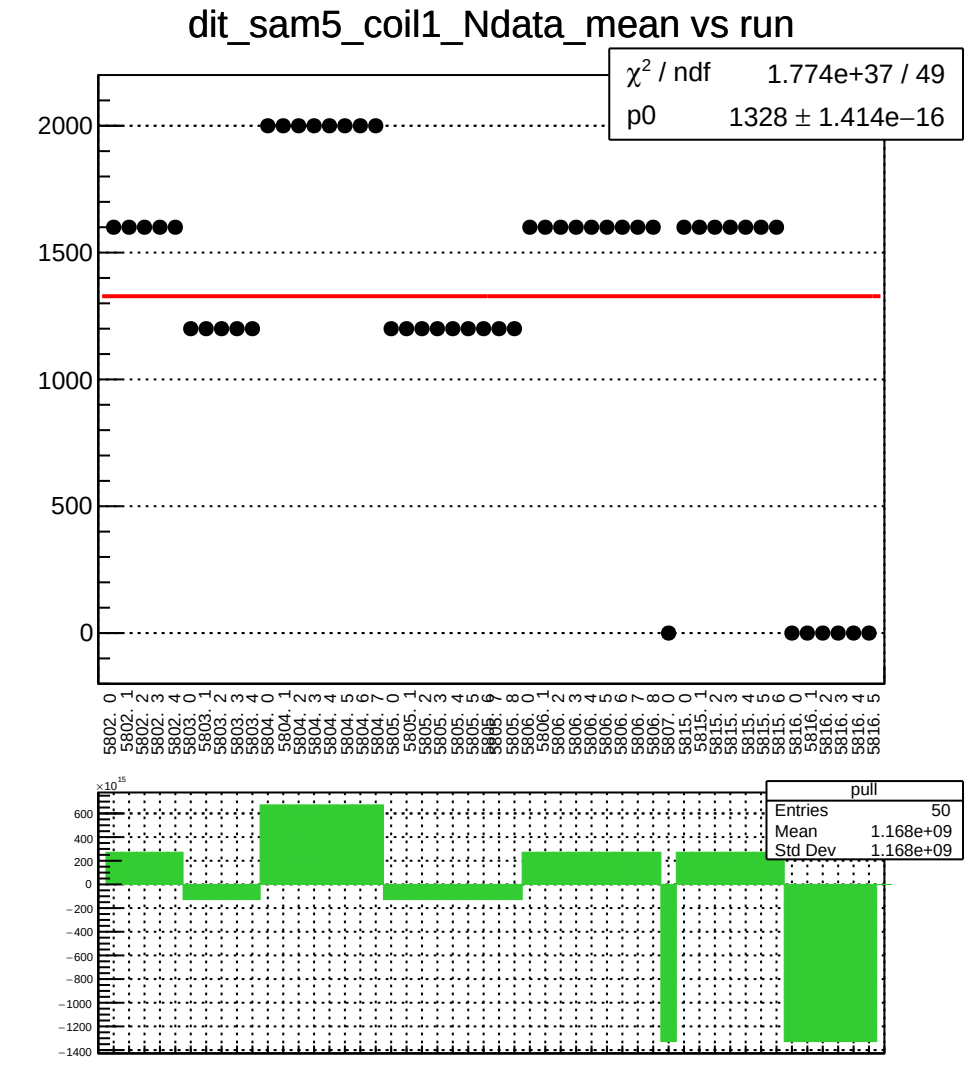

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

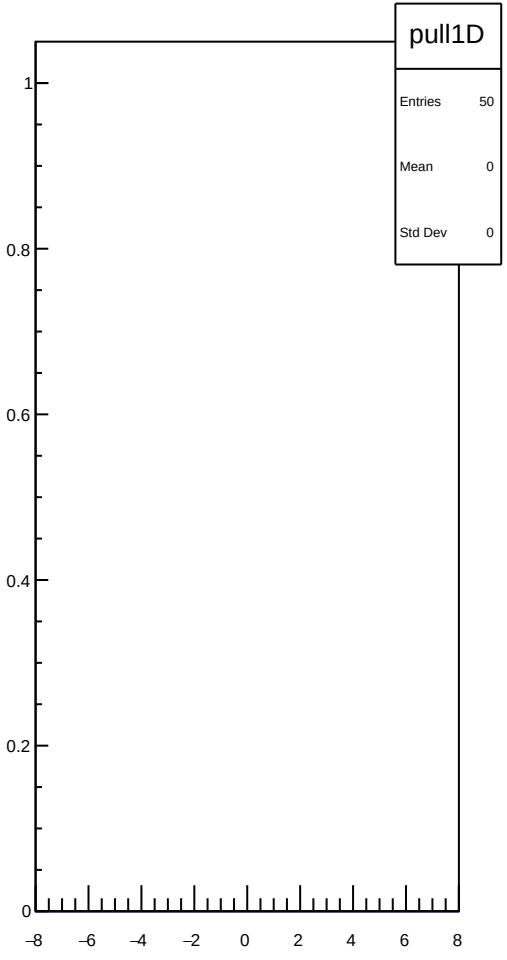

dit_sam5_coil1_mean vs run
χ² / ndf 5.43e+36 / 49
p0 −723.9 ± 1.414e−16
0
−200
−400
−600
−800
−1000
−1200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
600
400
200
0
−200
−400
pull
Entries 50
Mean −3.1e+08
Std Dev 3.1e+08

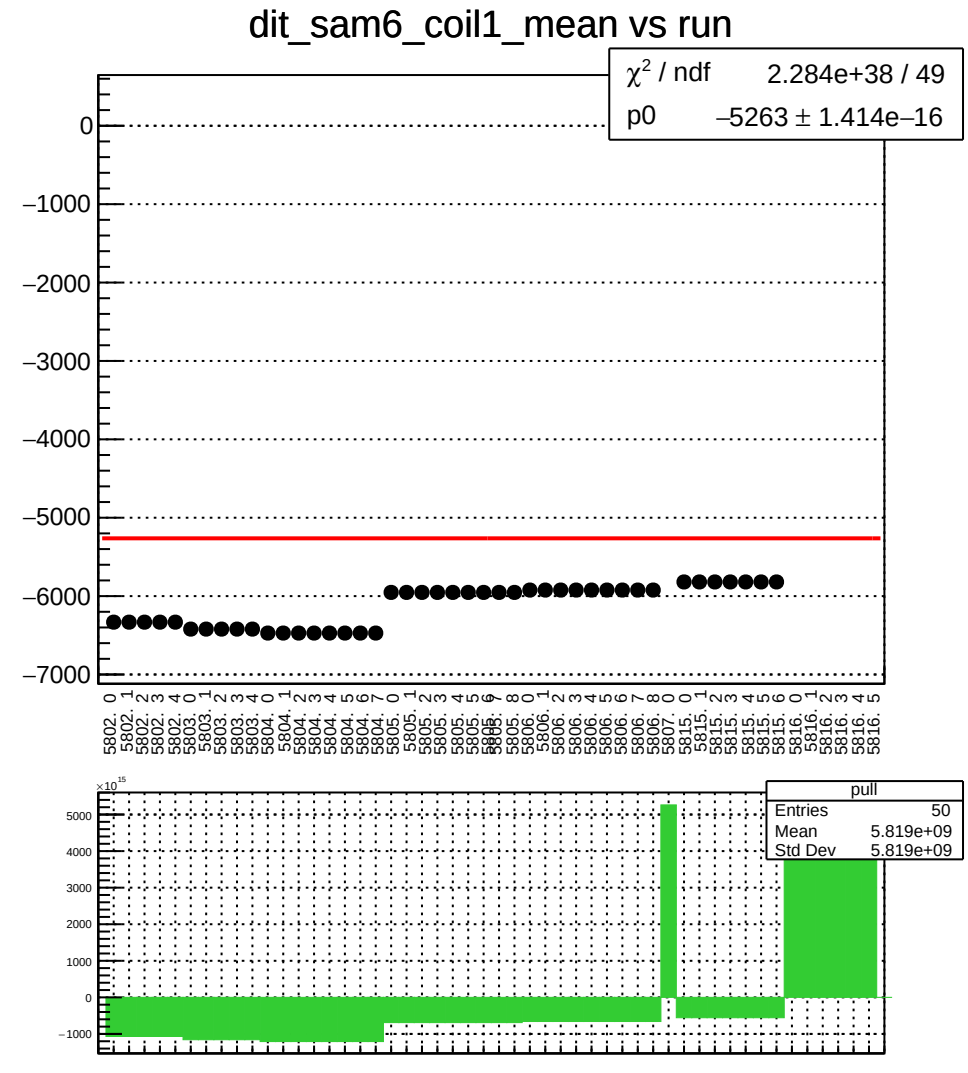

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

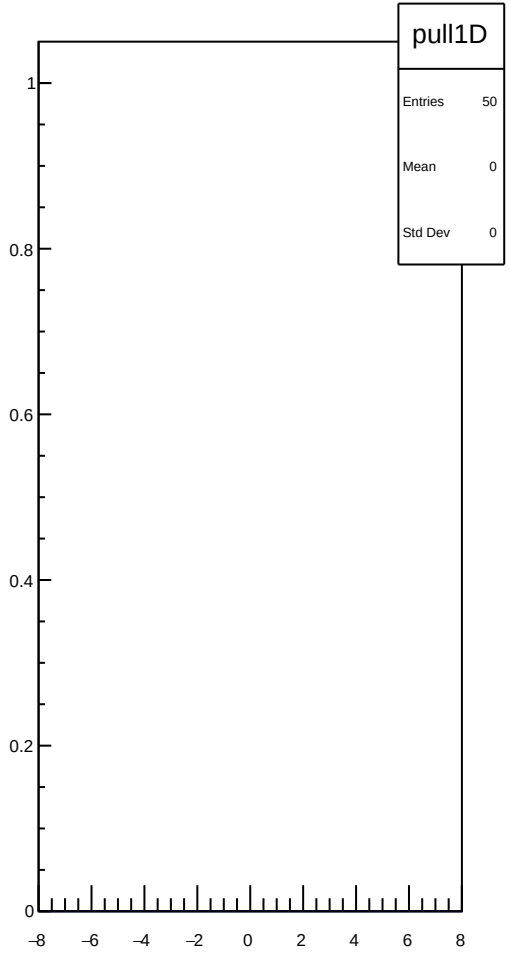

dit_sam5_coil1_err_mean vs run
χ² / ndf 4.094e+35 / 49
p0 136 ± 1.414e−16
pull
Entries 50
Mean 1.728e+09
Std Dev 1.728e+09

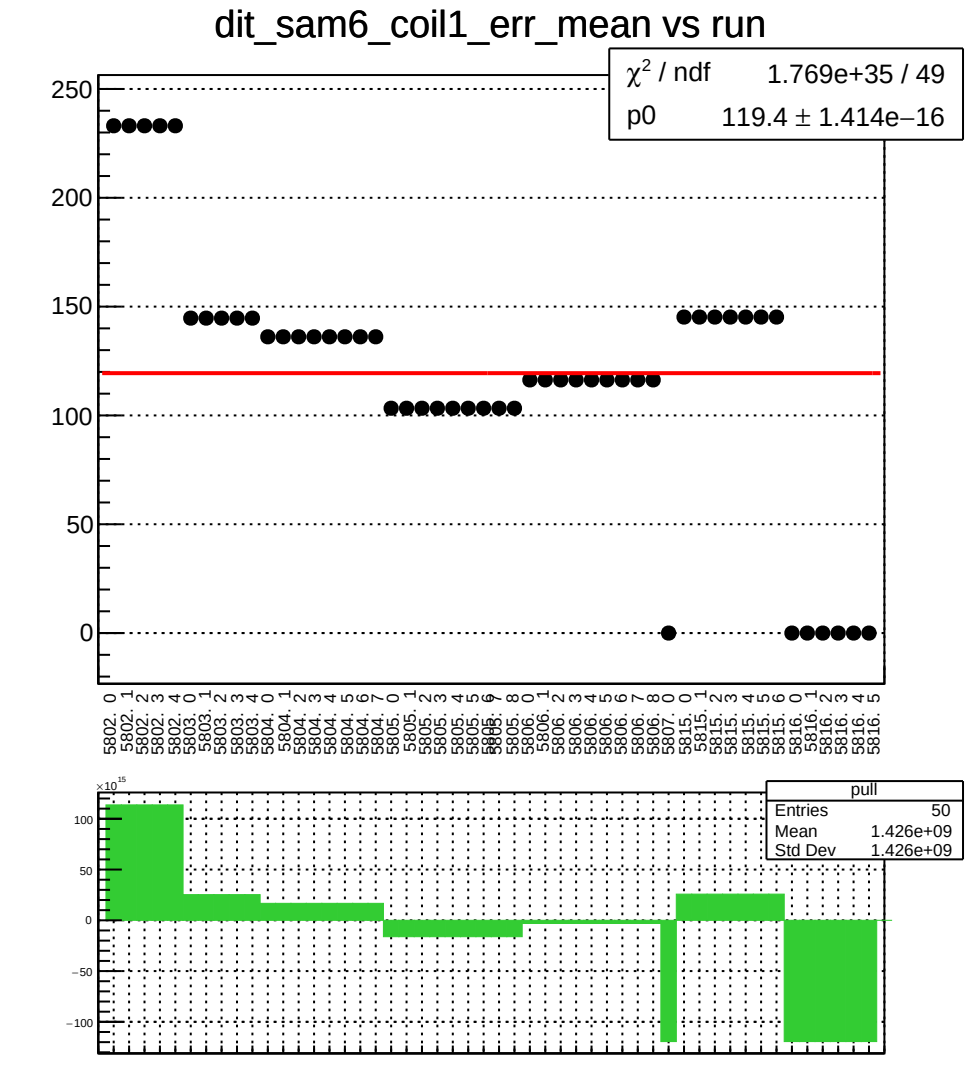

pull1D
Entries 50
Mean 0
Std Dev 0

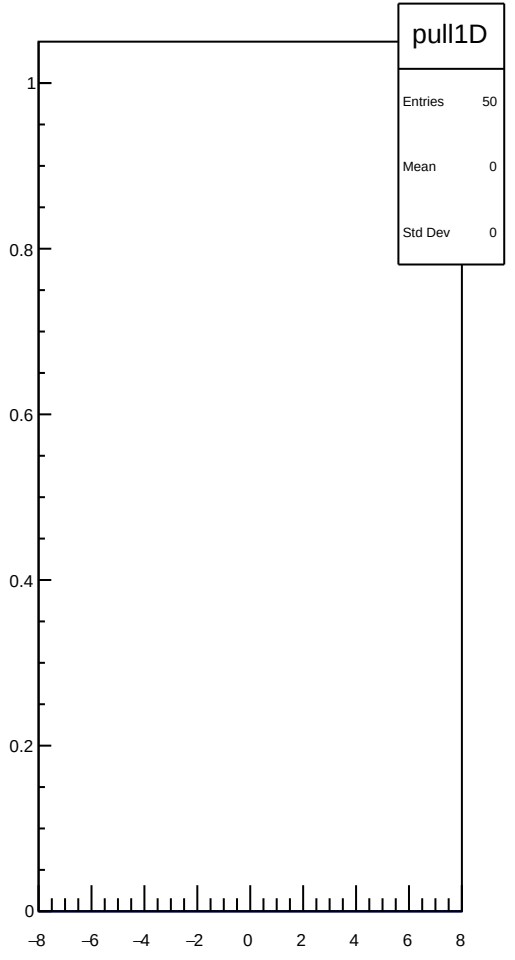

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

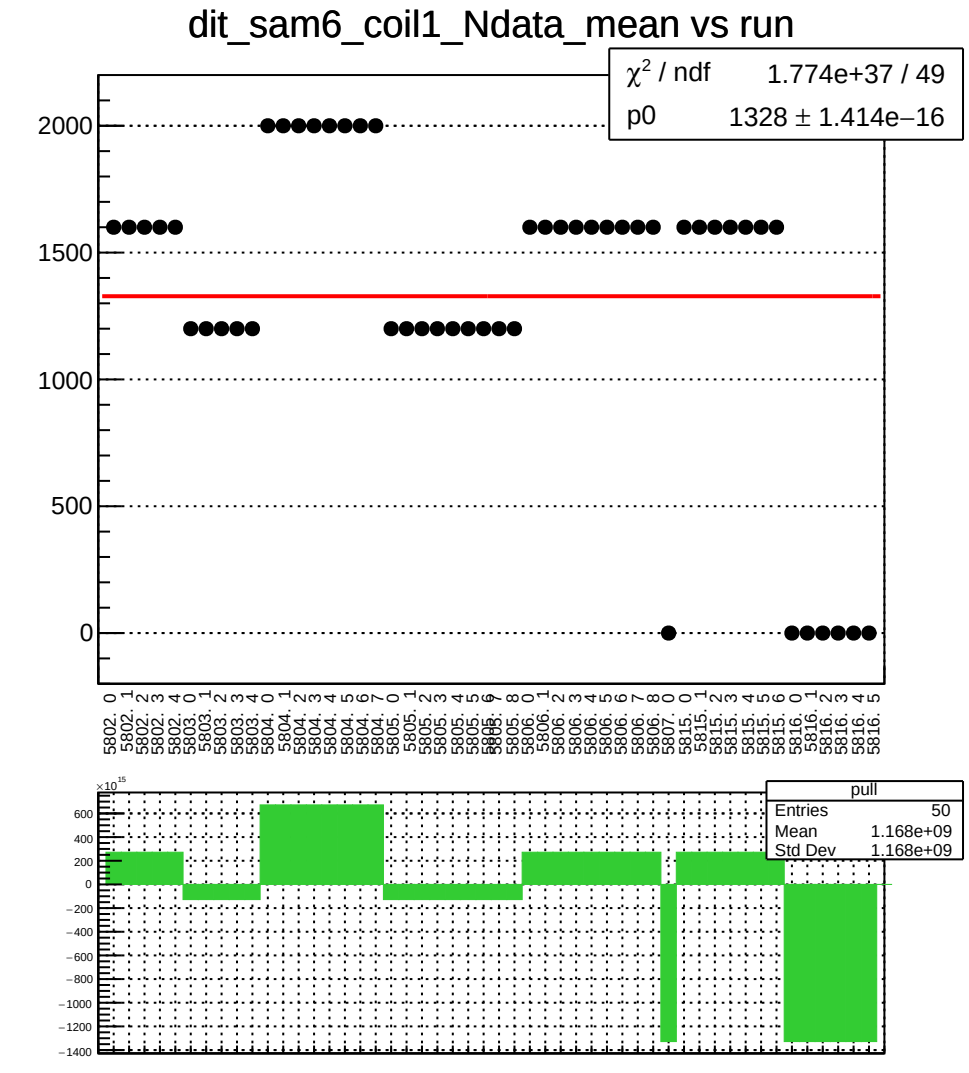

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

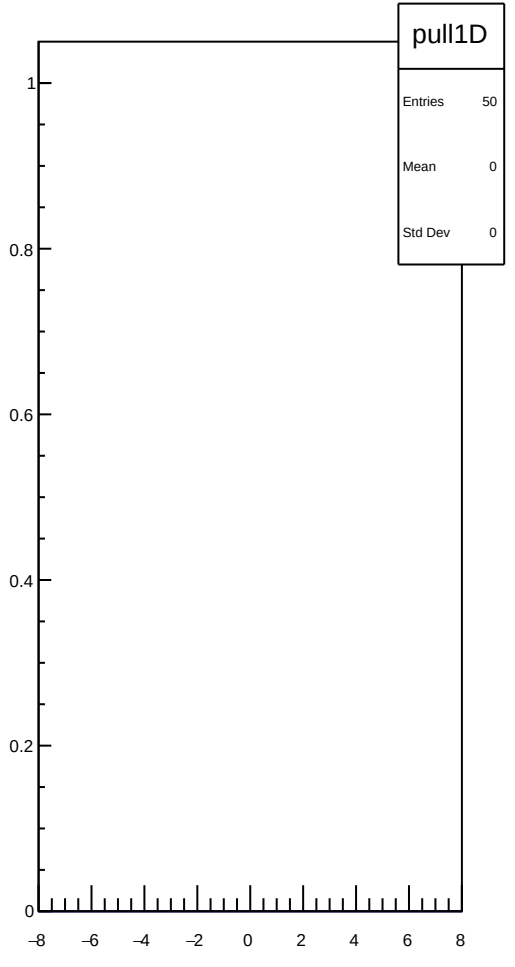

dit_sam6_coil1_mean vs run
χ² / ndf 2.284e+38 / 49
p0 −5263 ± 1.414e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
5000
4000
3000
2000
1000
0
−1000
pull
Entries 50
Mean 5.819e+09
Std Dev 5.819e+09

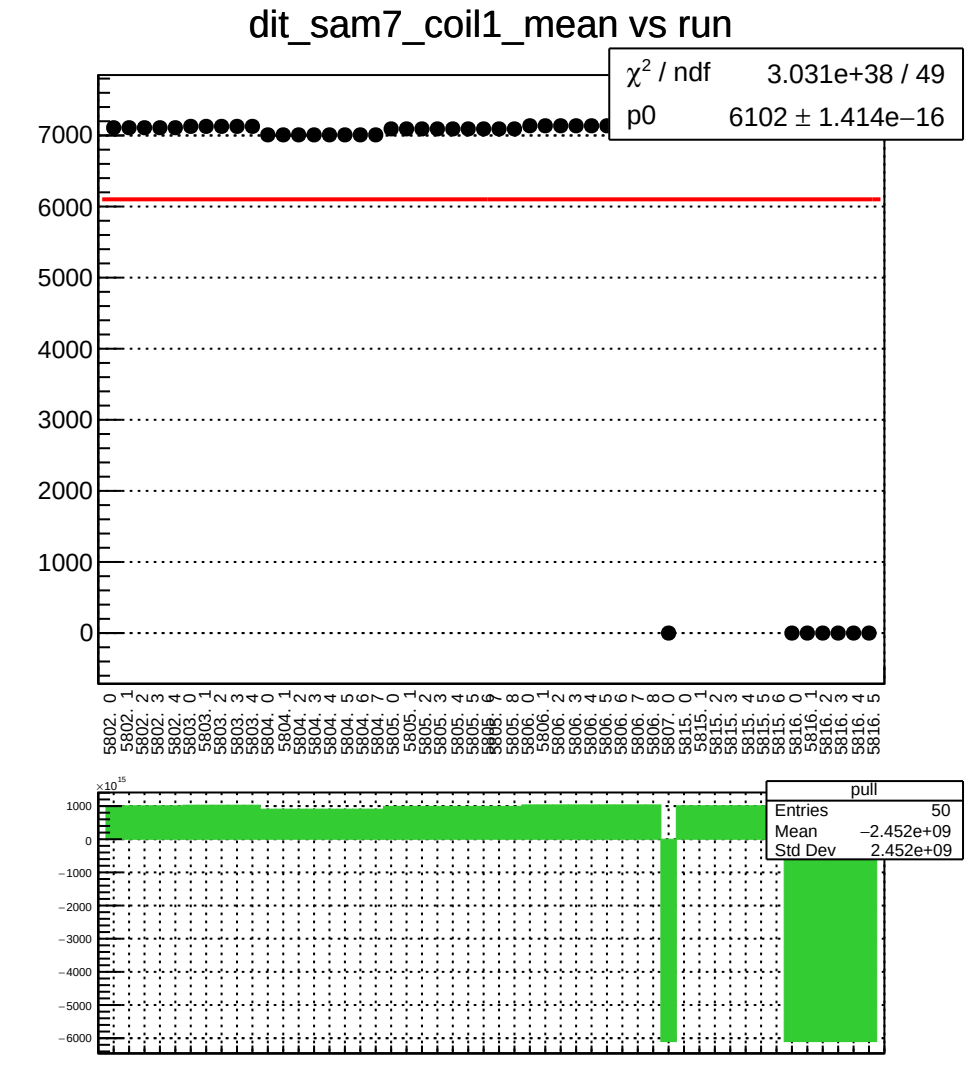

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

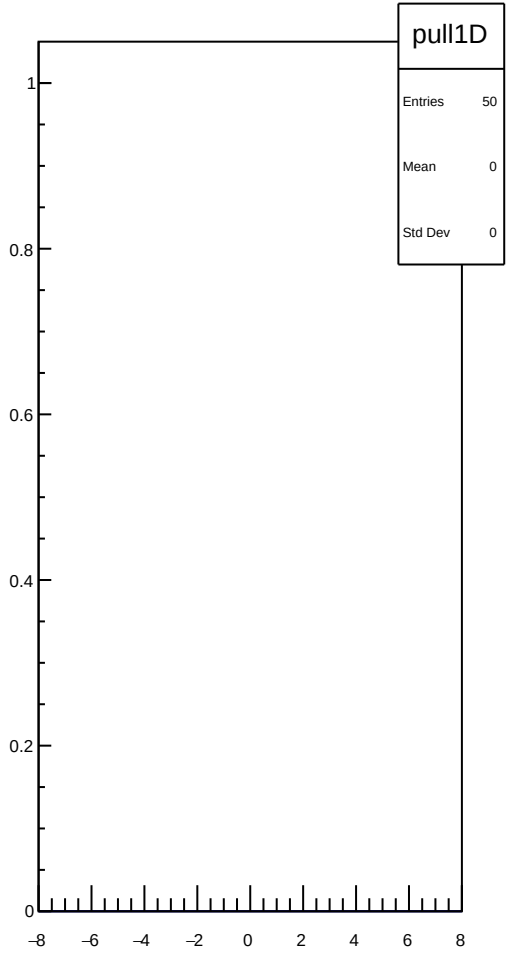

dit_sam6_coil1_err_mean vs run
χ² / ndf 1.769e+35 / 49
p0 119.4 ± 1.414e−16
250
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
100
50
0
−50
−100
pull
Entries 50
Mean 1.426e+09
Std Dev 1.426e+09

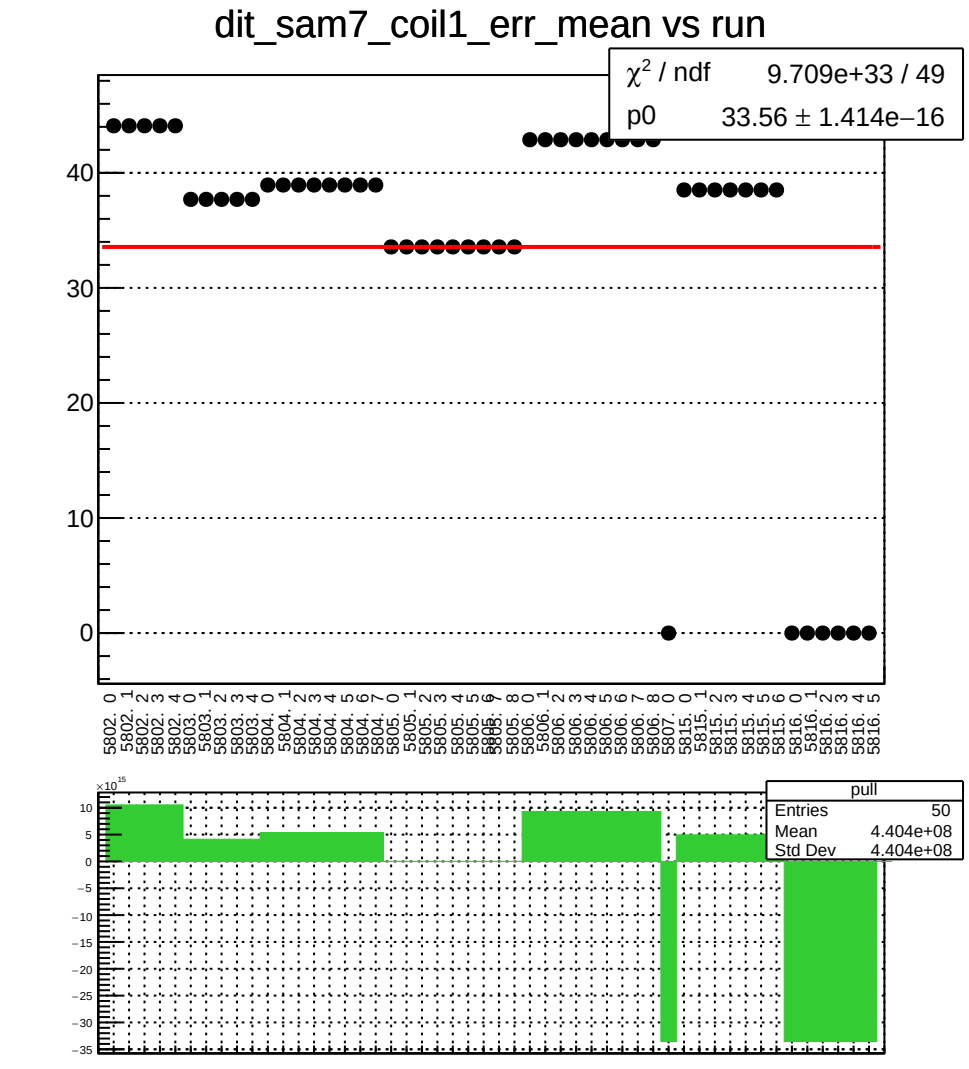

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

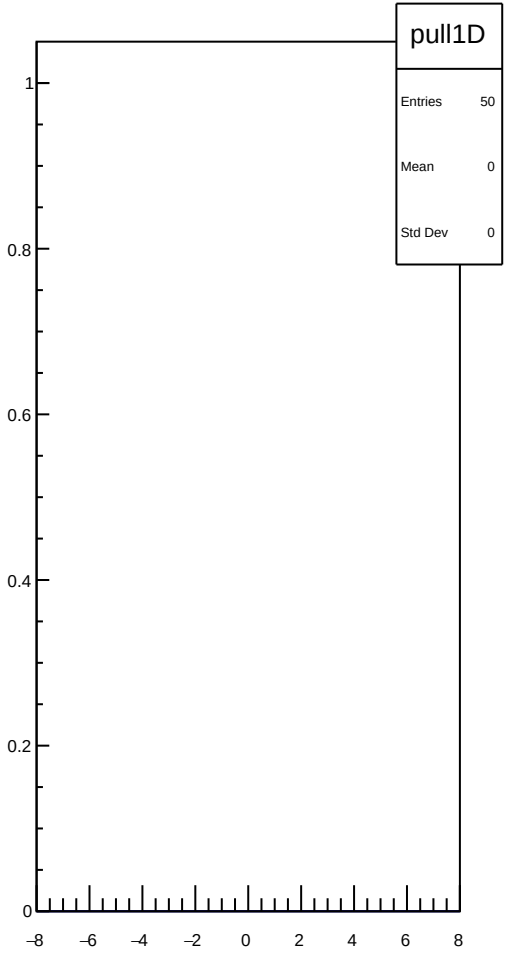

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

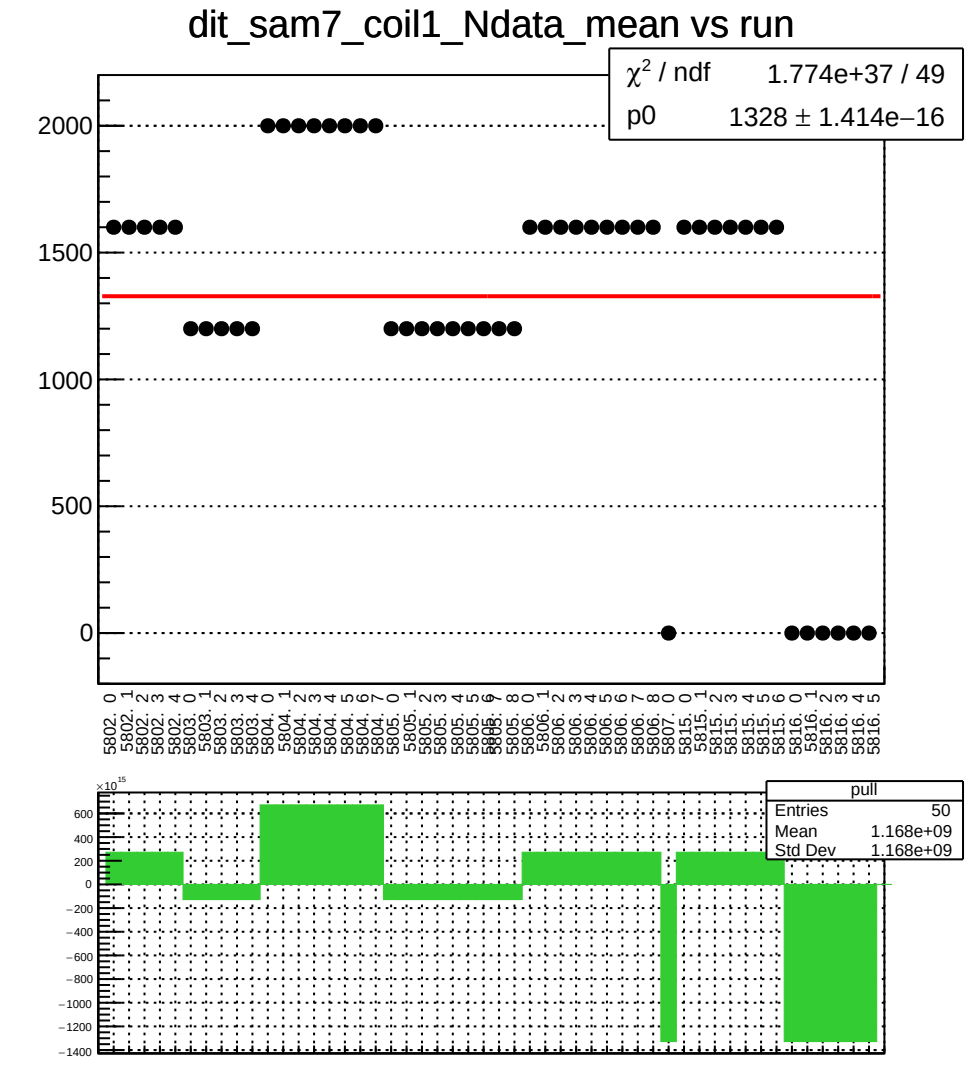

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

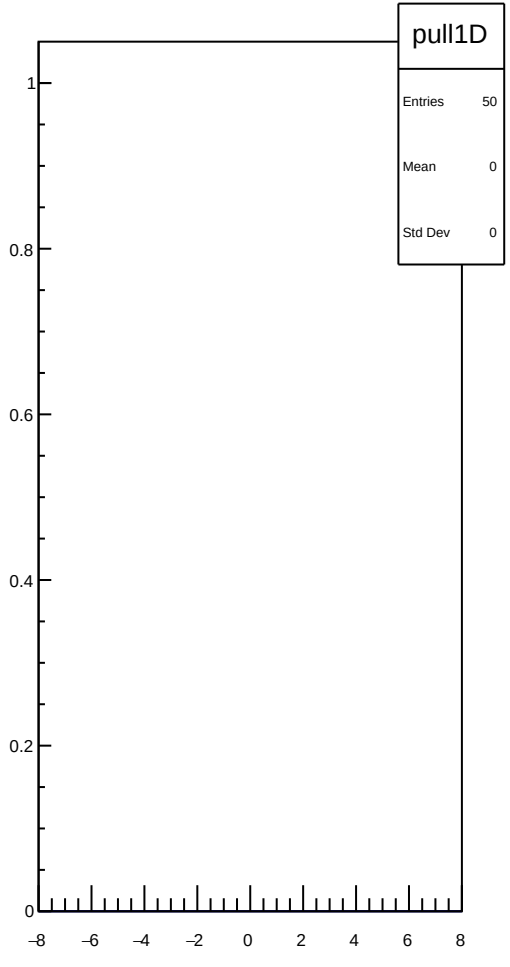

dit_sam7_coil1_mean vs run
χ² / ndf 3.031e+38 / 49
p0 6102 ± 1.414e−16
pull
Entries 50
Mean −2.452e+09
Std Dev 2.452e+09

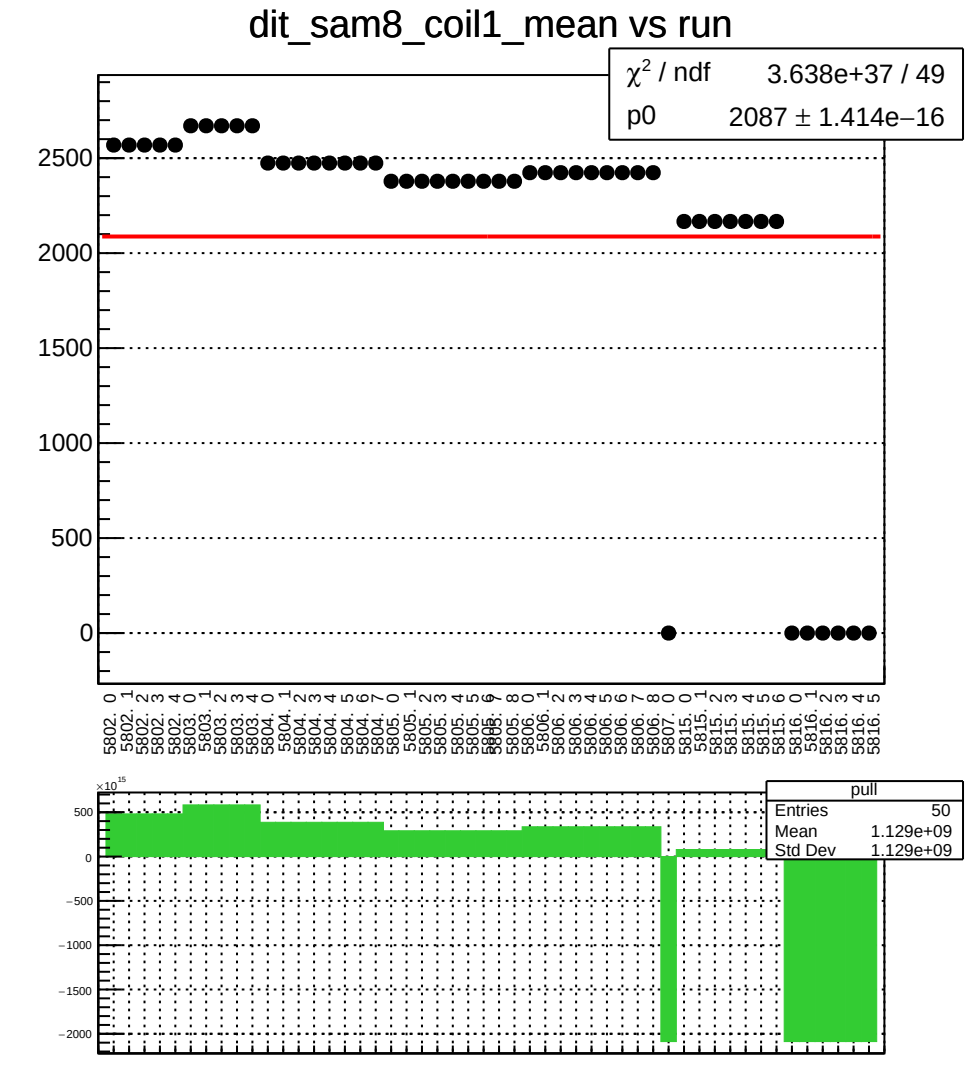

pull1D
Entries 50
Mean 0
Std Dev 0

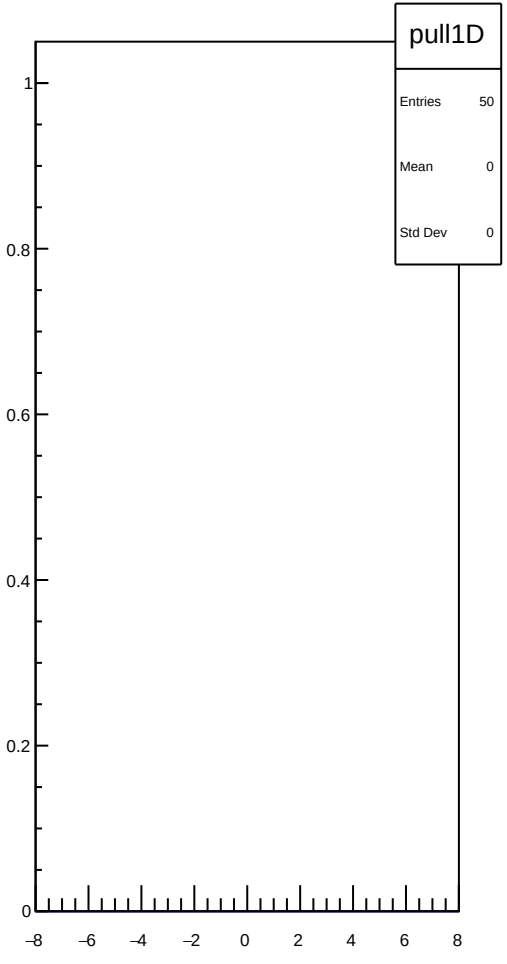

dit_sam7_coil1_err_mean vs run
χ² / ndf 9.709e+33 / 49
p0 33.56 ± 1.414e−16
pull
Entries 50
Mean 4.404e+08
Std Dev 4.404e+08

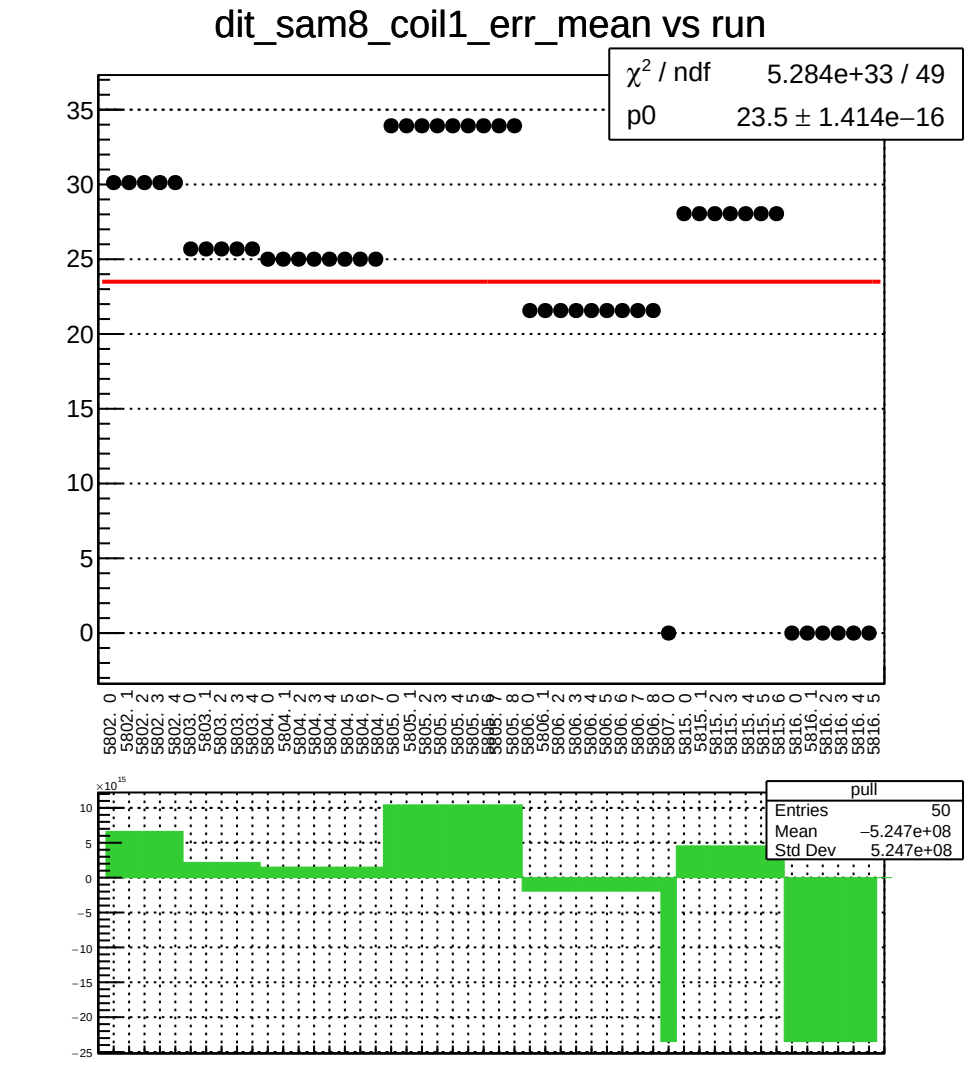

pull1D
Entries 50
Mean 0
Std Dev 0

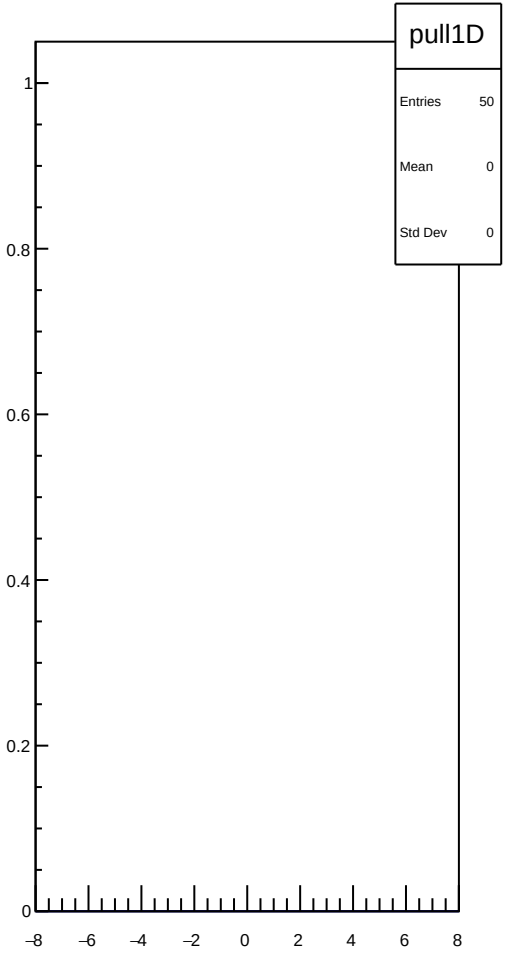

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

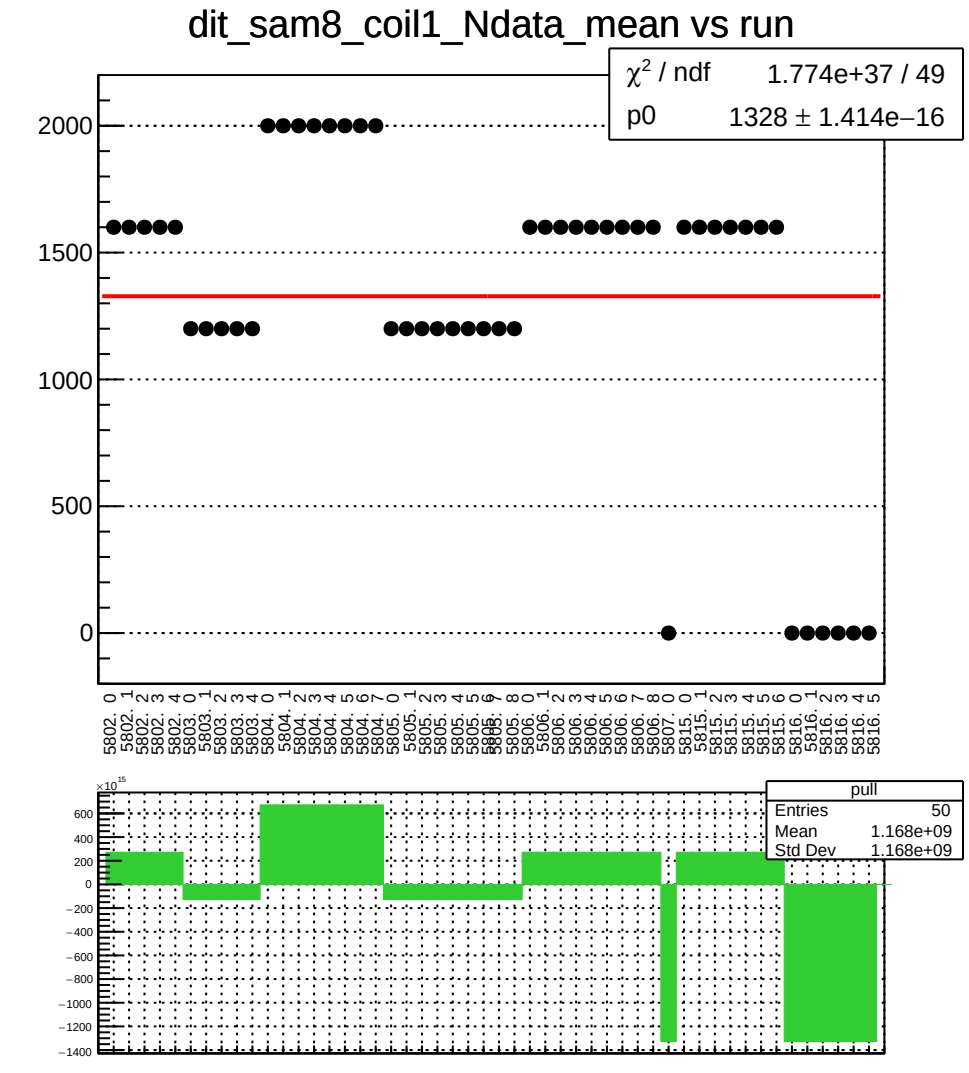

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

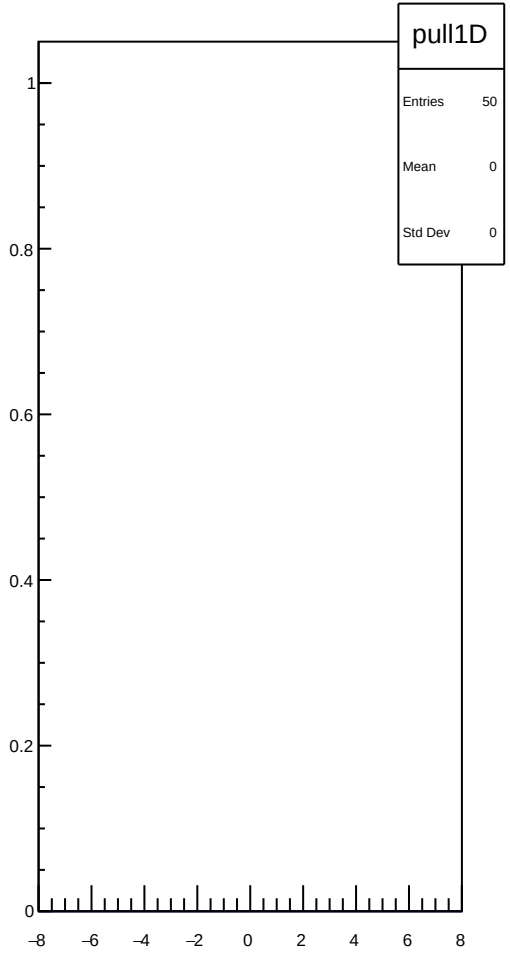

dit_sam8_coil1_mean vs run
χ² / ndf 3.638e+37 / 49
p0 2087 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 1.129e+09
Std Dev 1.129e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000

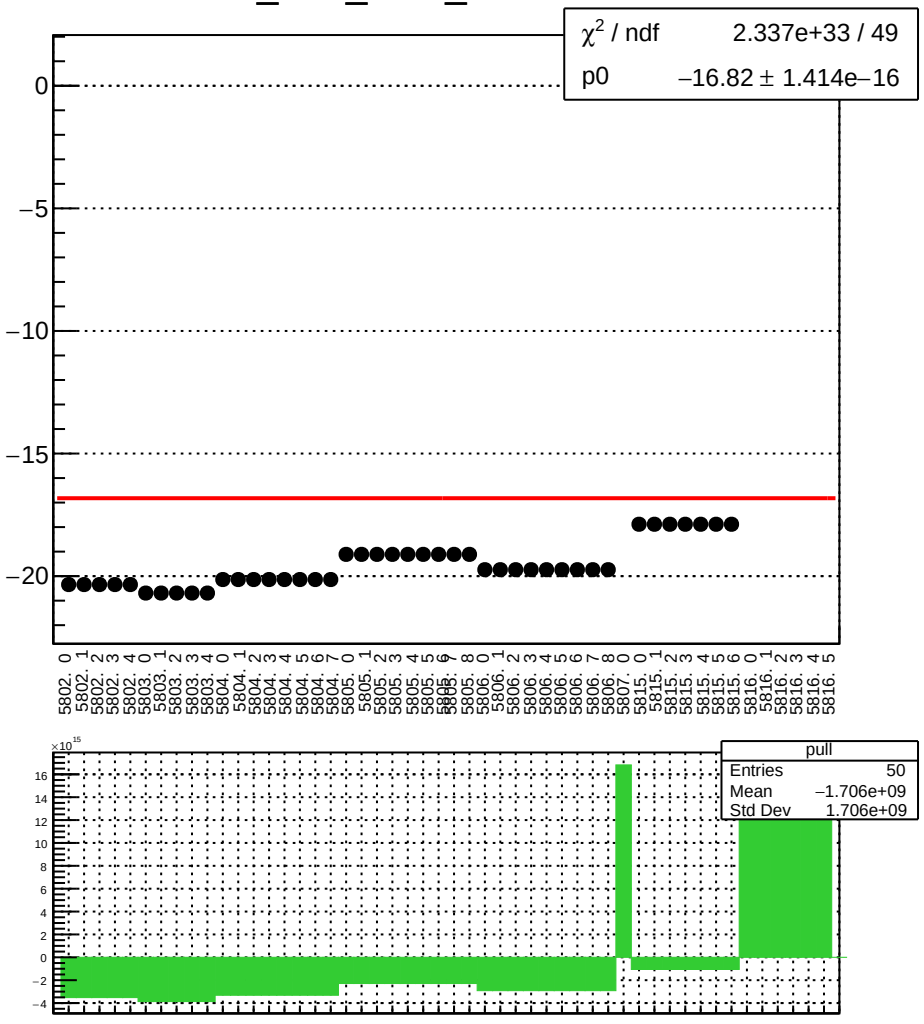

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

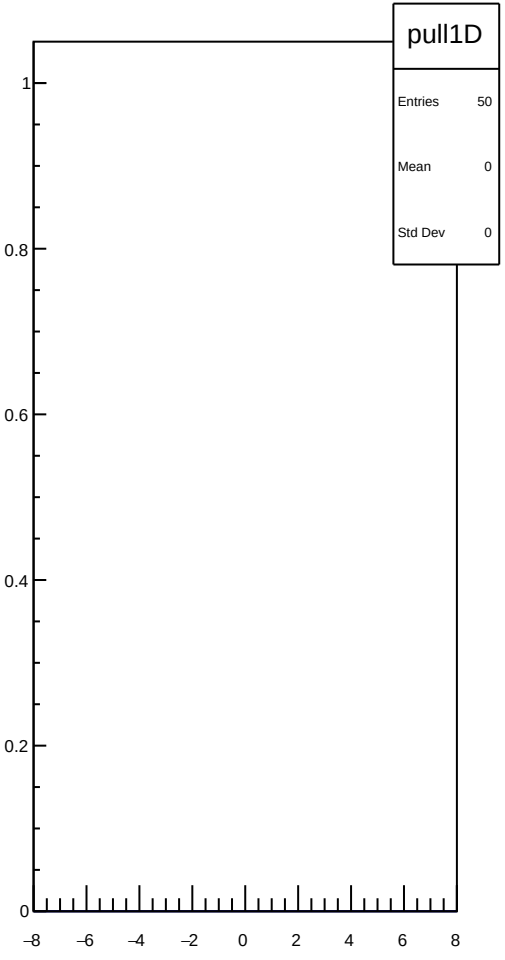

dit_sam8_coil1_err_mean vs run
χ² / ndf 5.284e+33 / 49
p0 23.5 ± 1.414e−16
pull
Entries 50
Mean −5.247e+08
Std Dev 5.247e+08

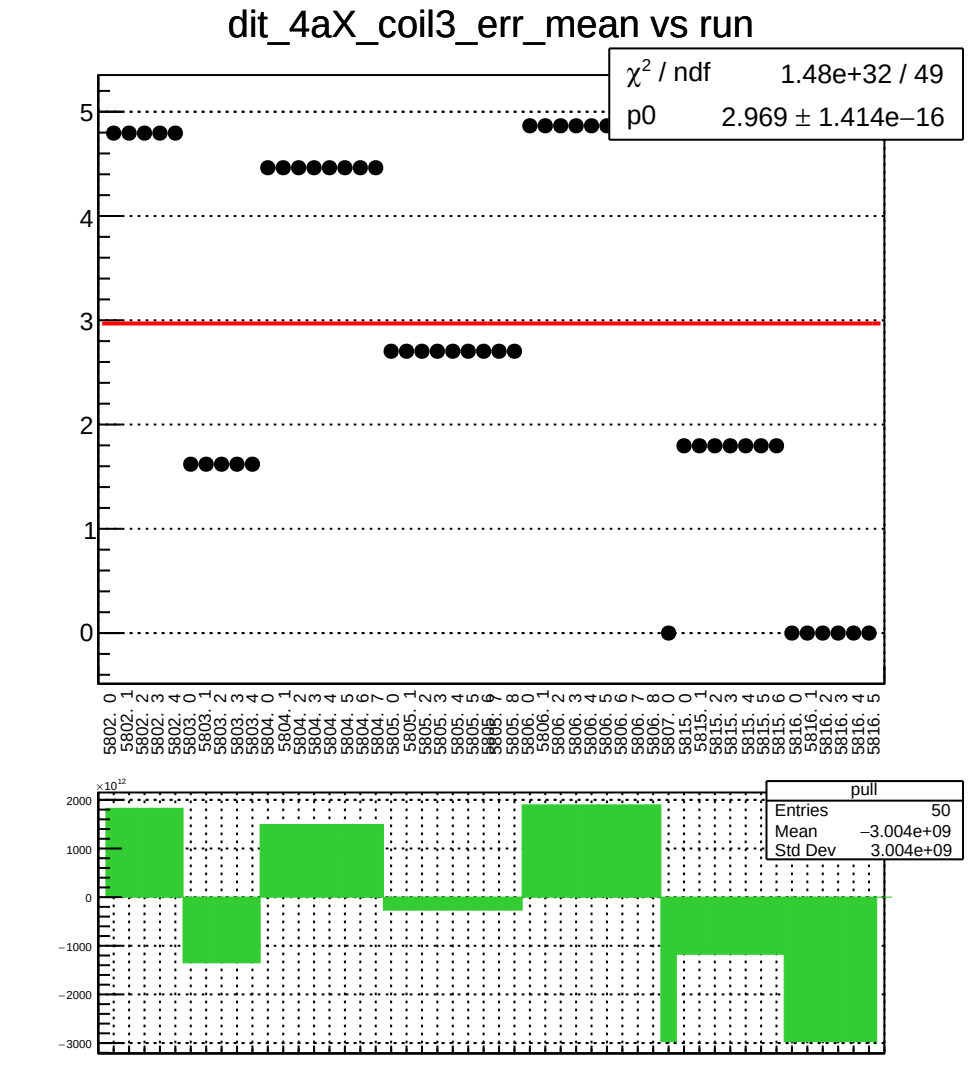

pull1D
Entries 50
Mean 0
Std Dev 0

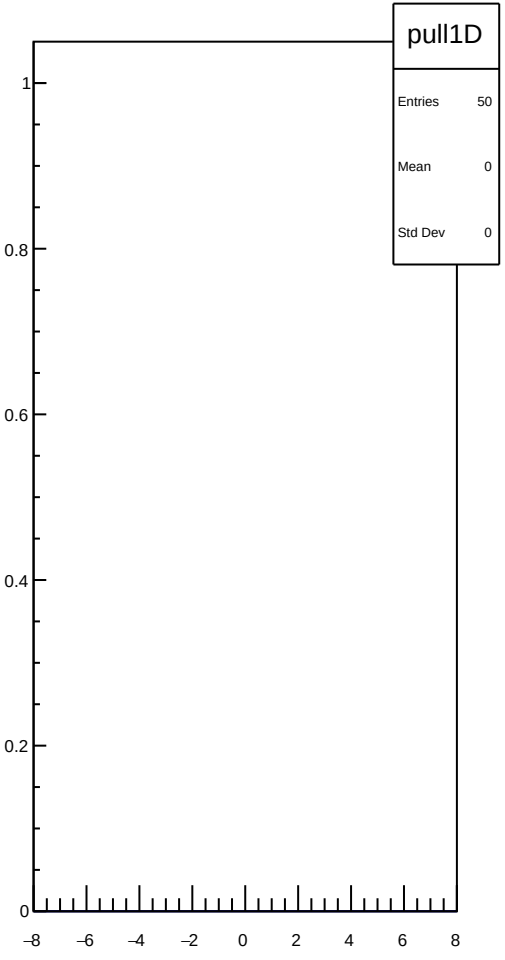

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 1.774e+37 / 49
p0 1328 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.168e+09
Std Dev 1.168e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

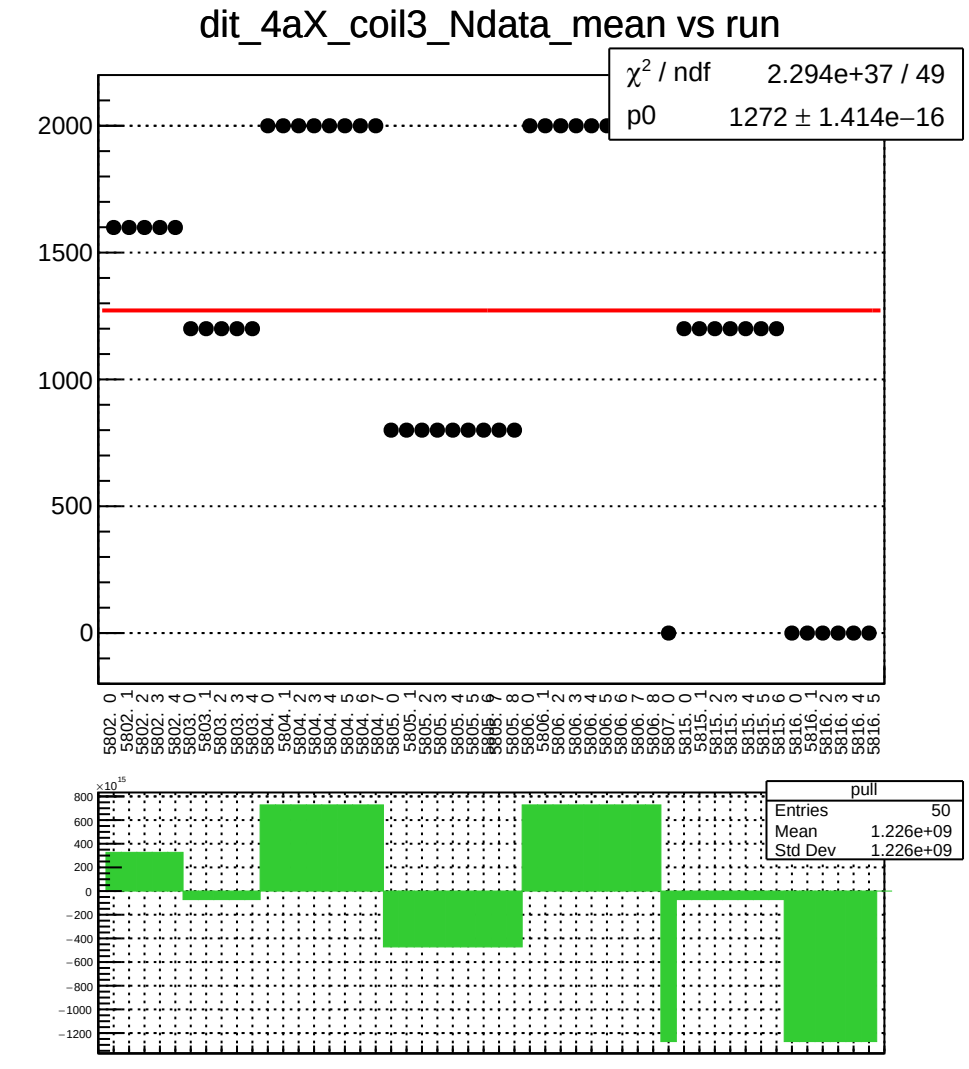

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

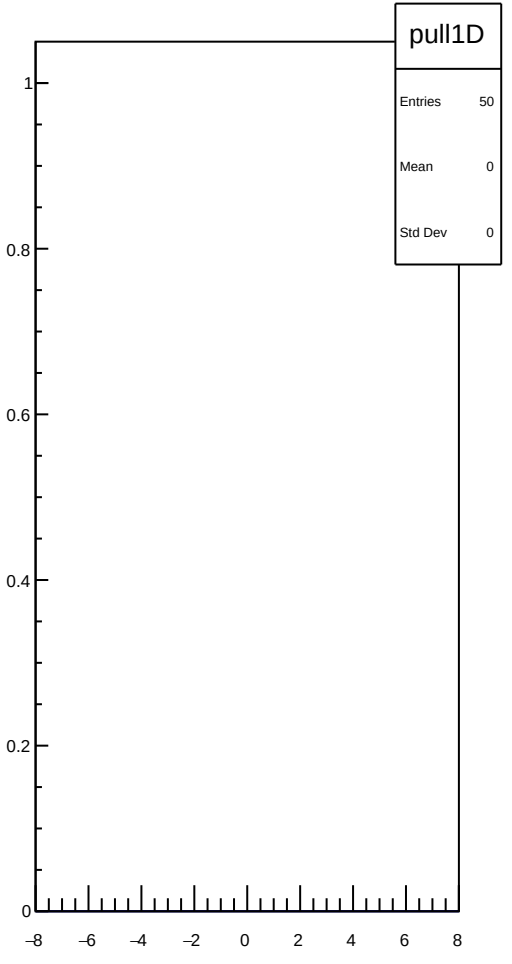

dit_4aX_coil3_mean vs run
χ² / ndf 2.337e+33 / 49
p0 −16.82 ± 1.414e−16
0
−5
−10
−15
−20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
16
14
12
10
8
6
4
2
0
−2
−4
pull
Entries 50
Mean −1.706e+09
Std Dev 1.706e+09

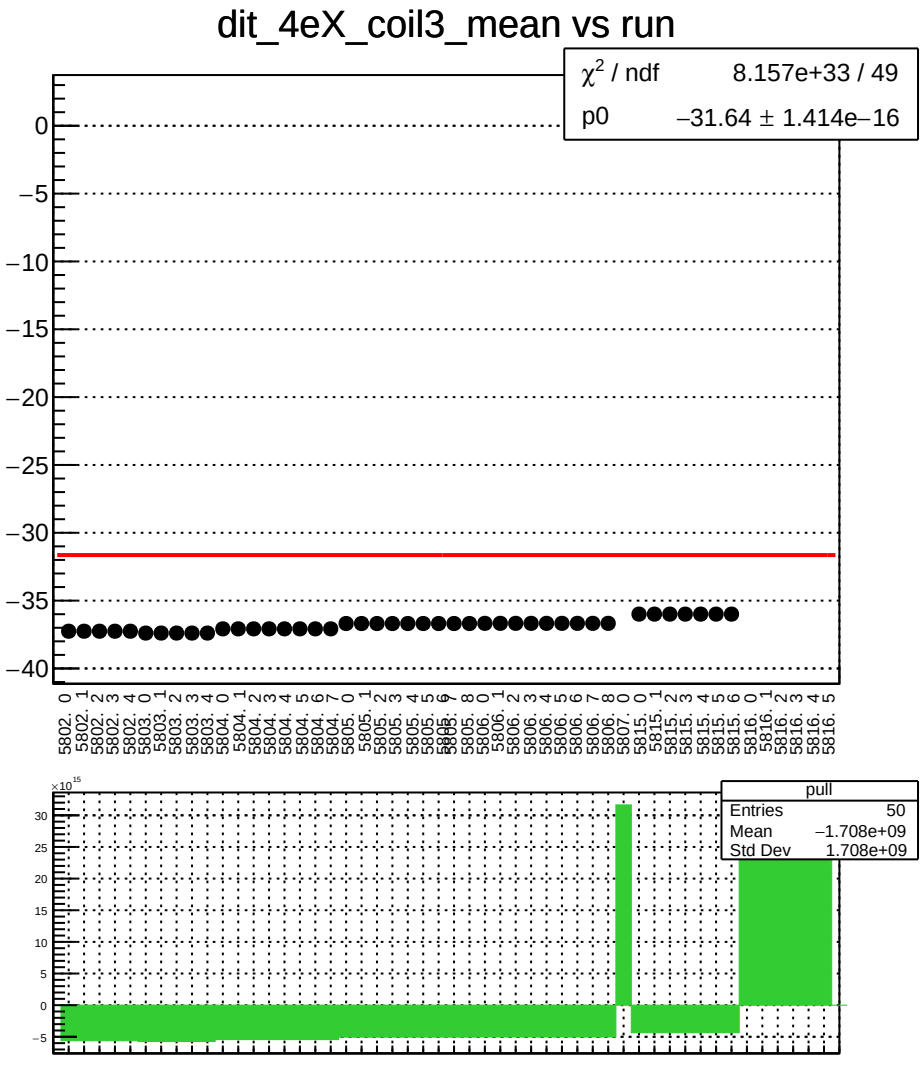

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

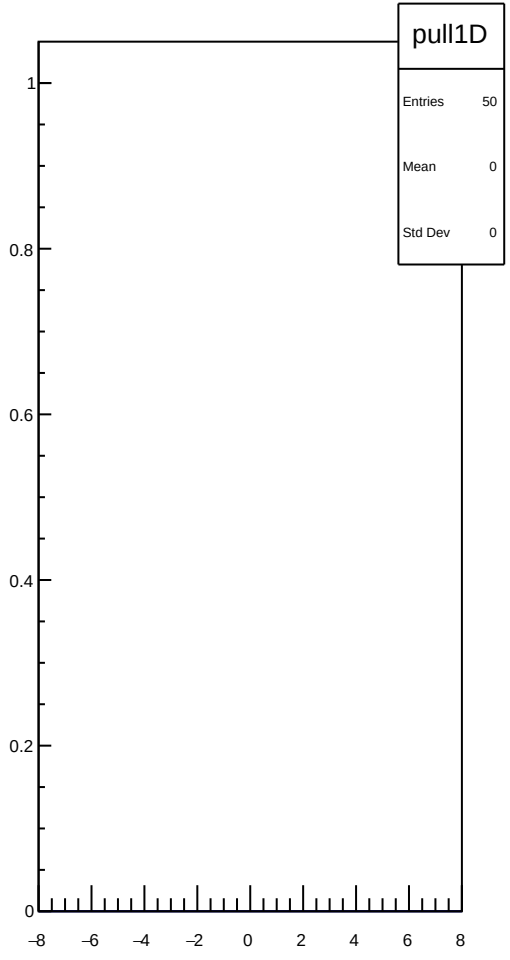

dit_4aX_coil3_err_mean vs run
χ² / ndf 1.48e+32 / 49
p0 2.969 ± 1.414e−16
pull
Entries 50
Mean −3.004e+09
Std Dev 3.004e+09
×10¹²

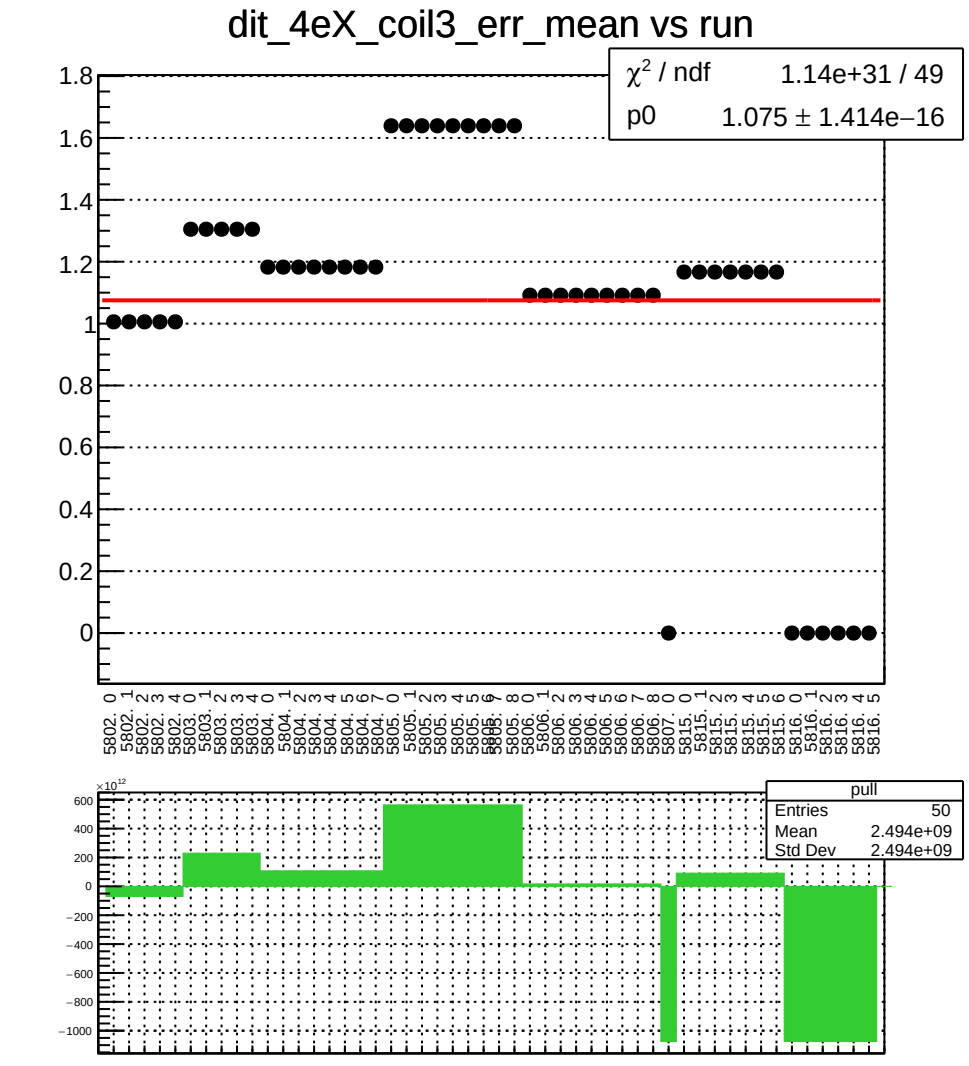

pull1D
Entries 50
Mean 0
Std Dev 0

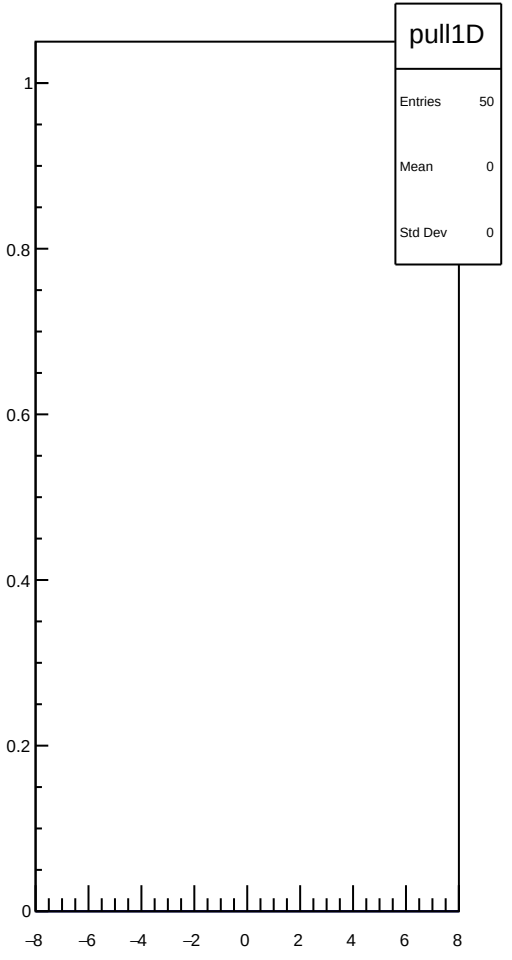

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

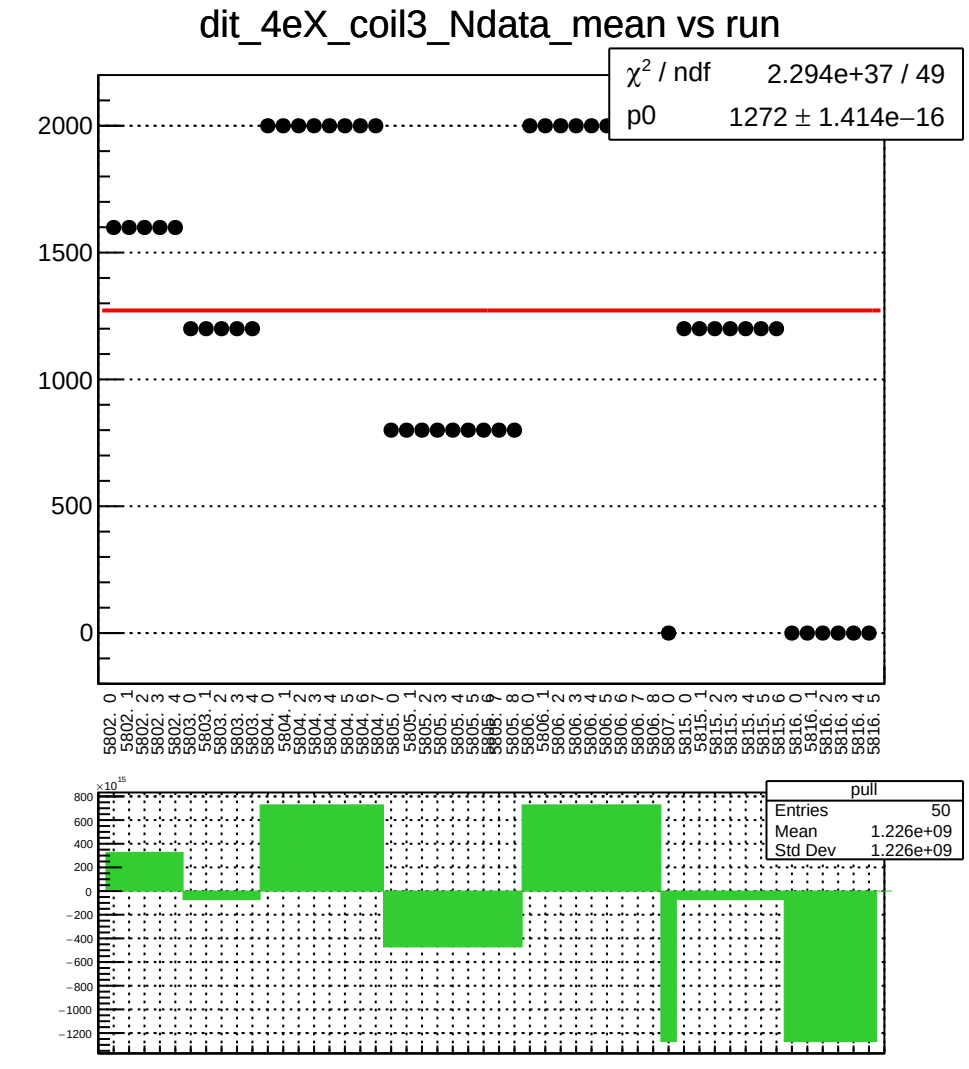

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

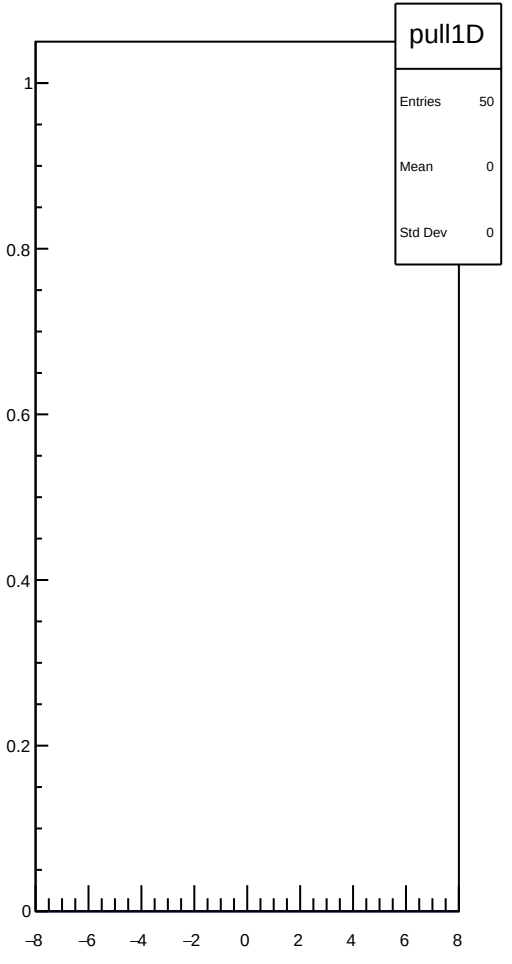

dit_4eX_coil3_mean vs run
χ² / ndf 8.157e+33 / 49
p0 −31.64 ± 1.414e−16
pull
Entries 50
Mean −1.708e+09
Std Dev 1.708e+09

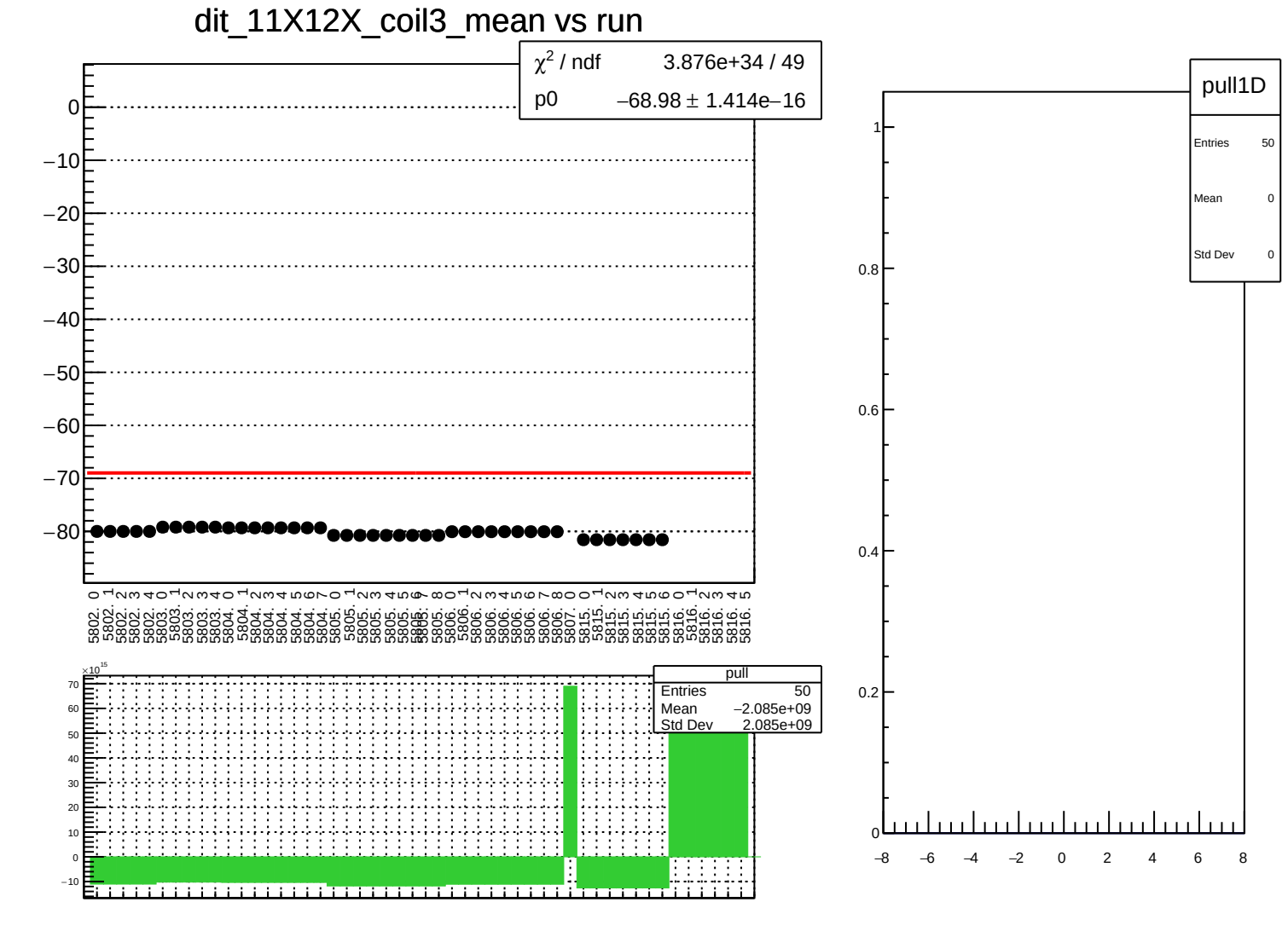

pull1D
Entries 50
Mean 0
Std Dev 0

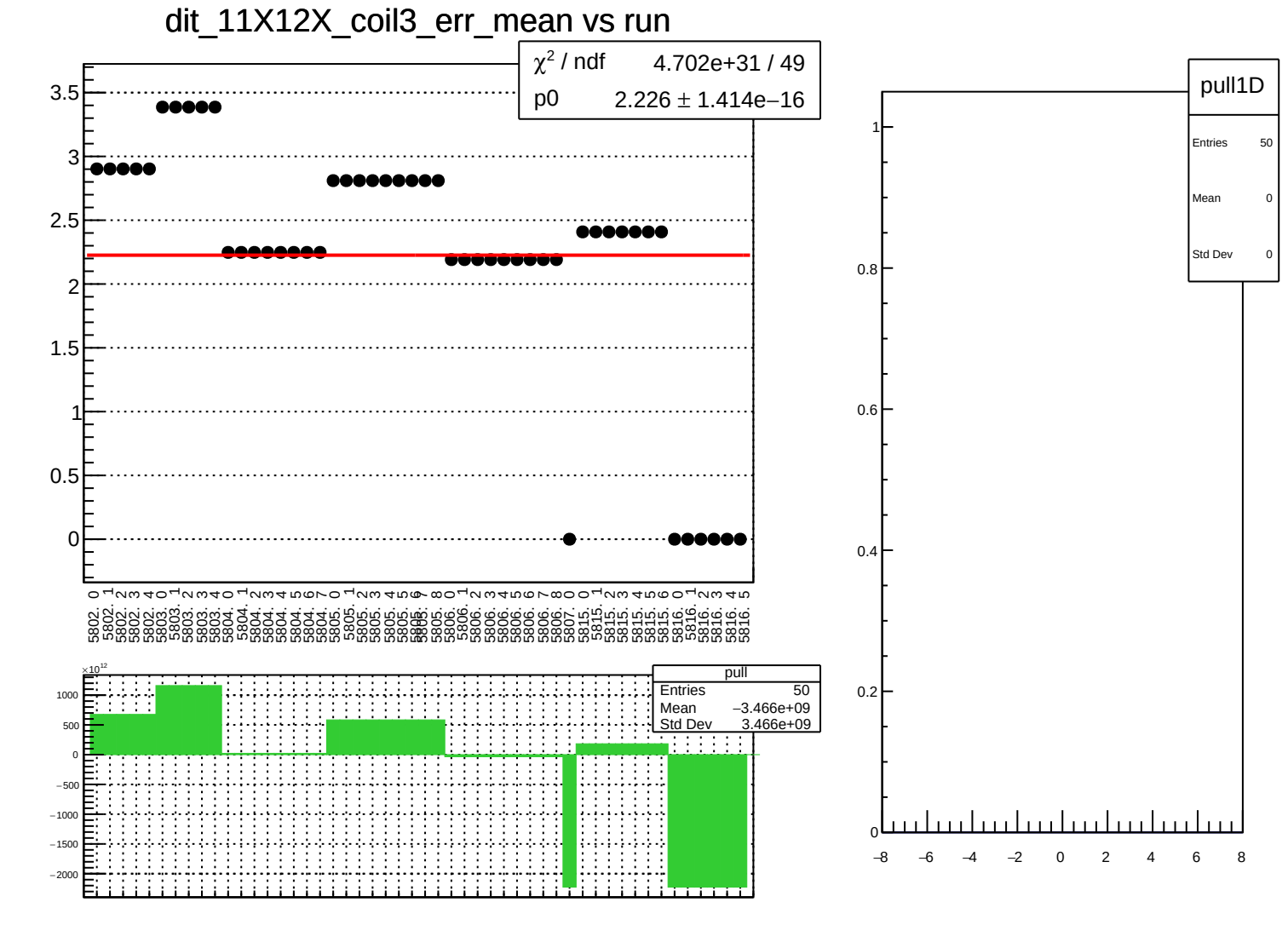

dit_4eX_coil3_err_mean vs run
χ² / ndf 1.14e+31 / 49
p0 1.075 ± 1.414e−16
pull
Entries 50
Mean 2.494e+09
Std Dev 2.494e+09

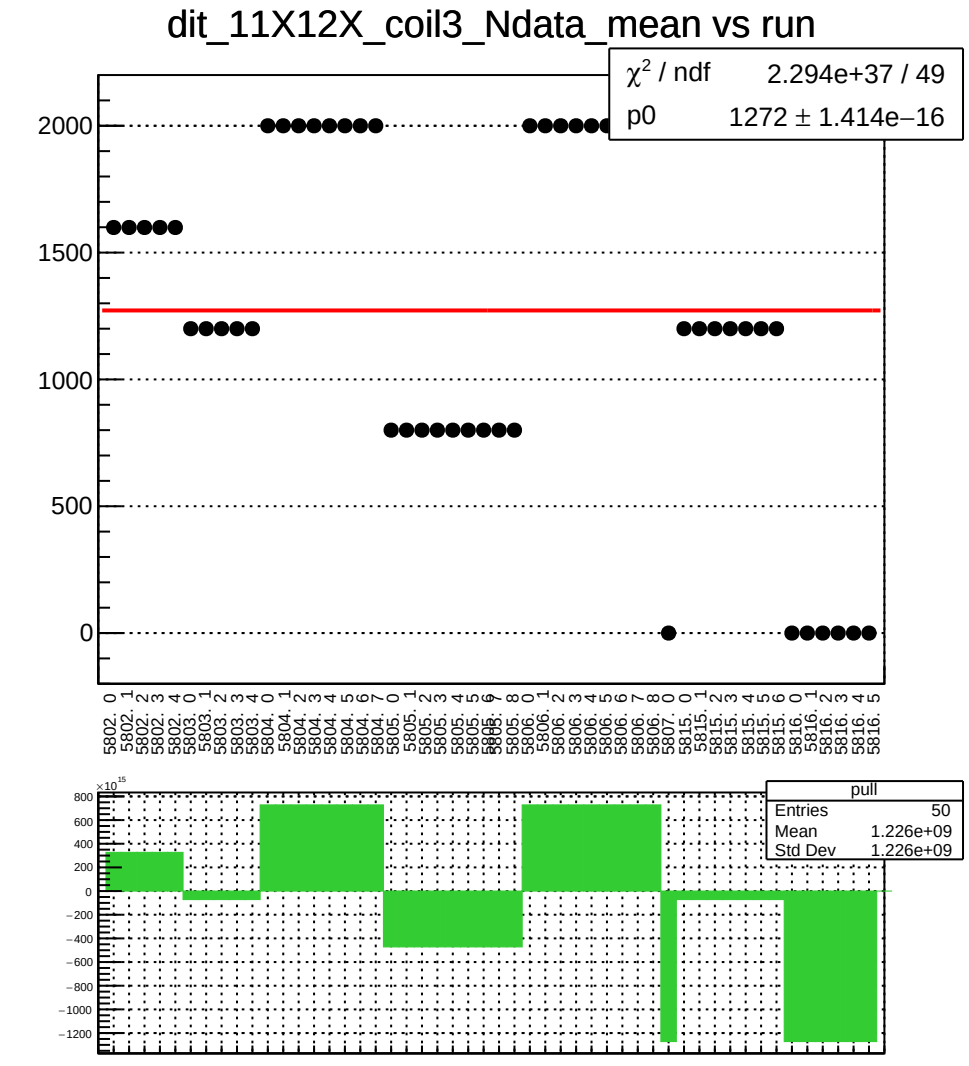

pull1D
Entries 50
Mean 0
Std Dev 0

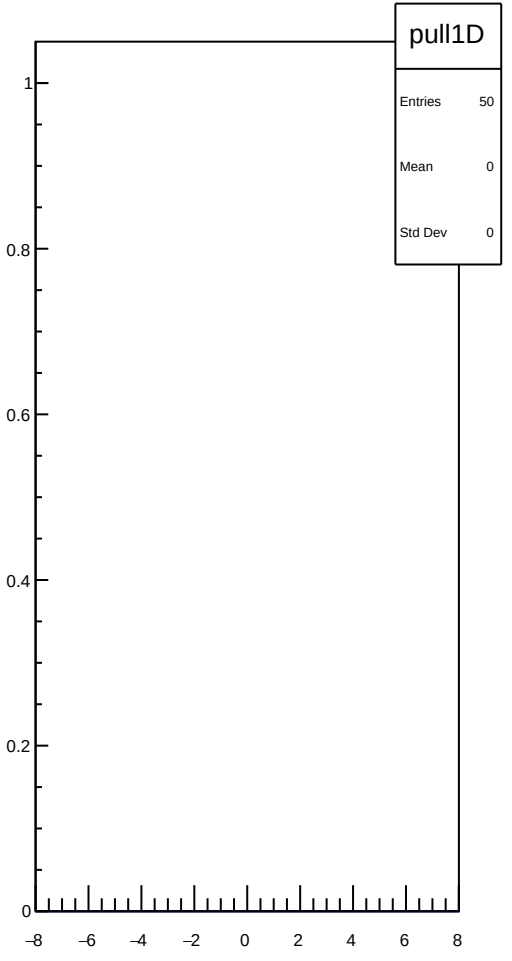

dit_4eX_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

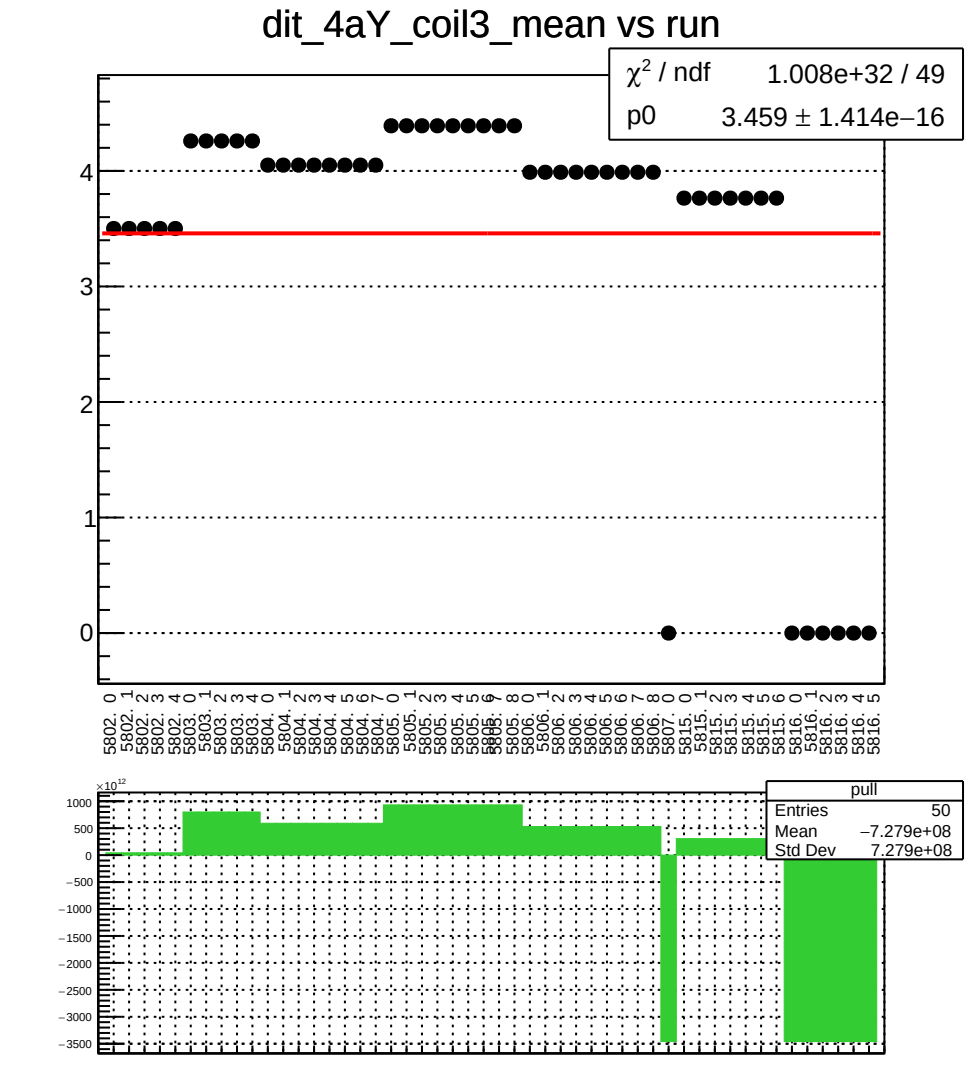

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

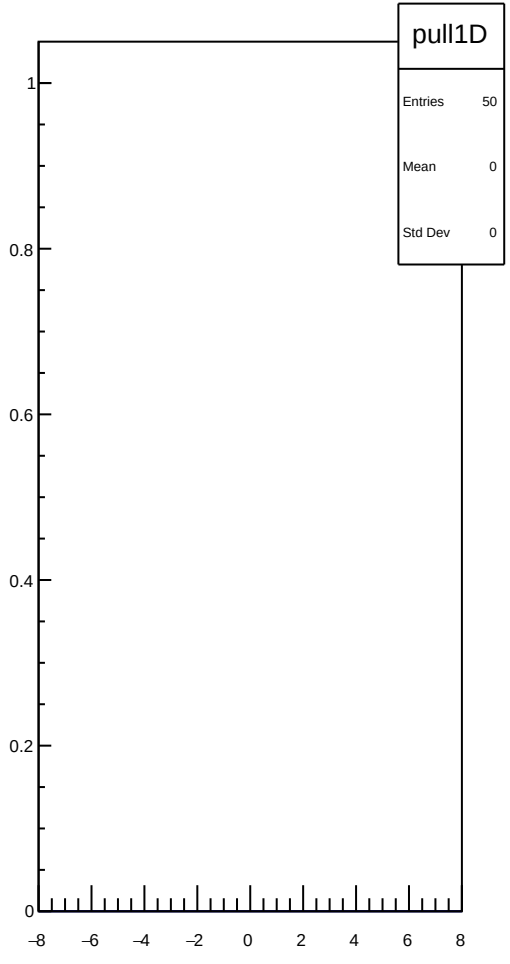

dit_11X12X_coil3_mean vs run
χ² / ndf 3.876e+34 / 49
p0 −68.98 ± 1.414e−16
pull
Entries 50
Mean −2.085e+09
Std Dev 2.085e+09
pull1D
Entries 50
Mean 0
Std Dev 0

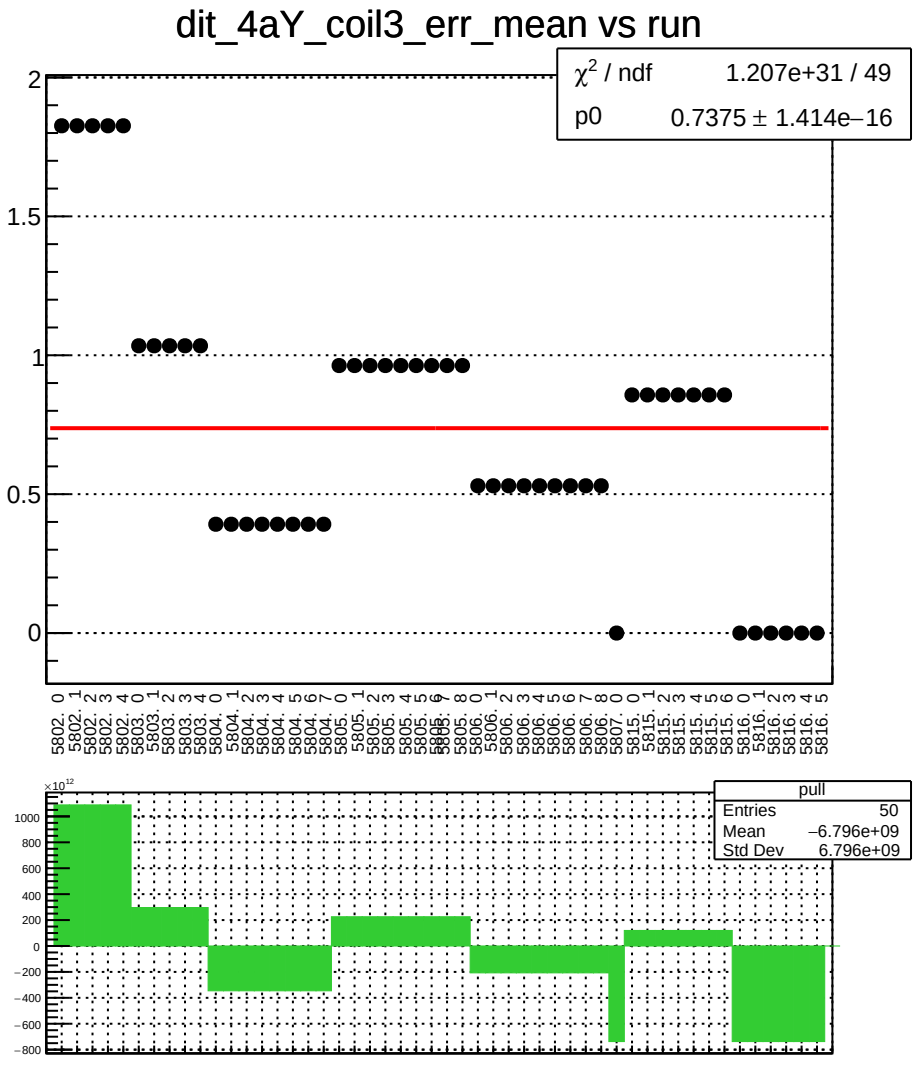

dit_11X12X_coil3_err_mean vs run
χ² / ndf 4.702e+31 / 49
p0 2.226 ± 1.414e−16
pull
Entries 50
Mean −3.466e+09
Std Dev 3.466e+09
pull1D
Entries 50
Mean 0
Std Dev 0

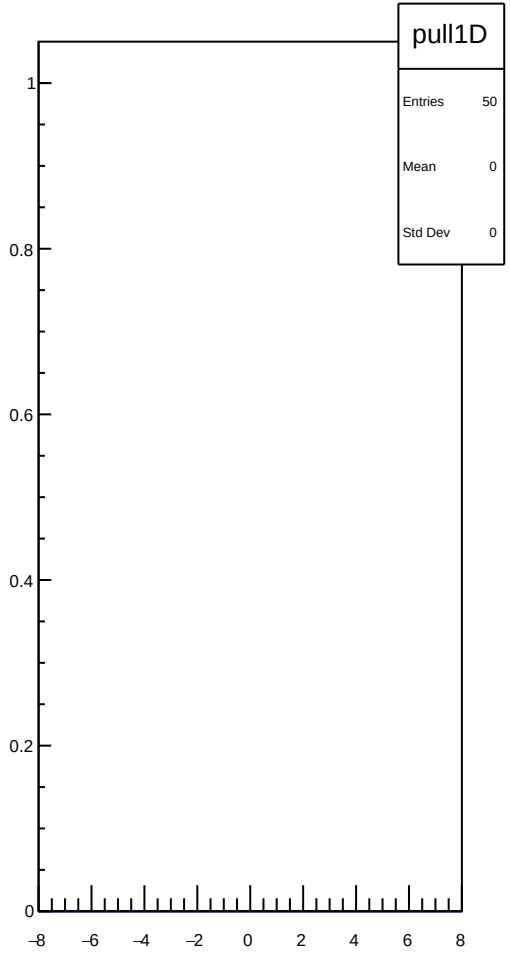

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

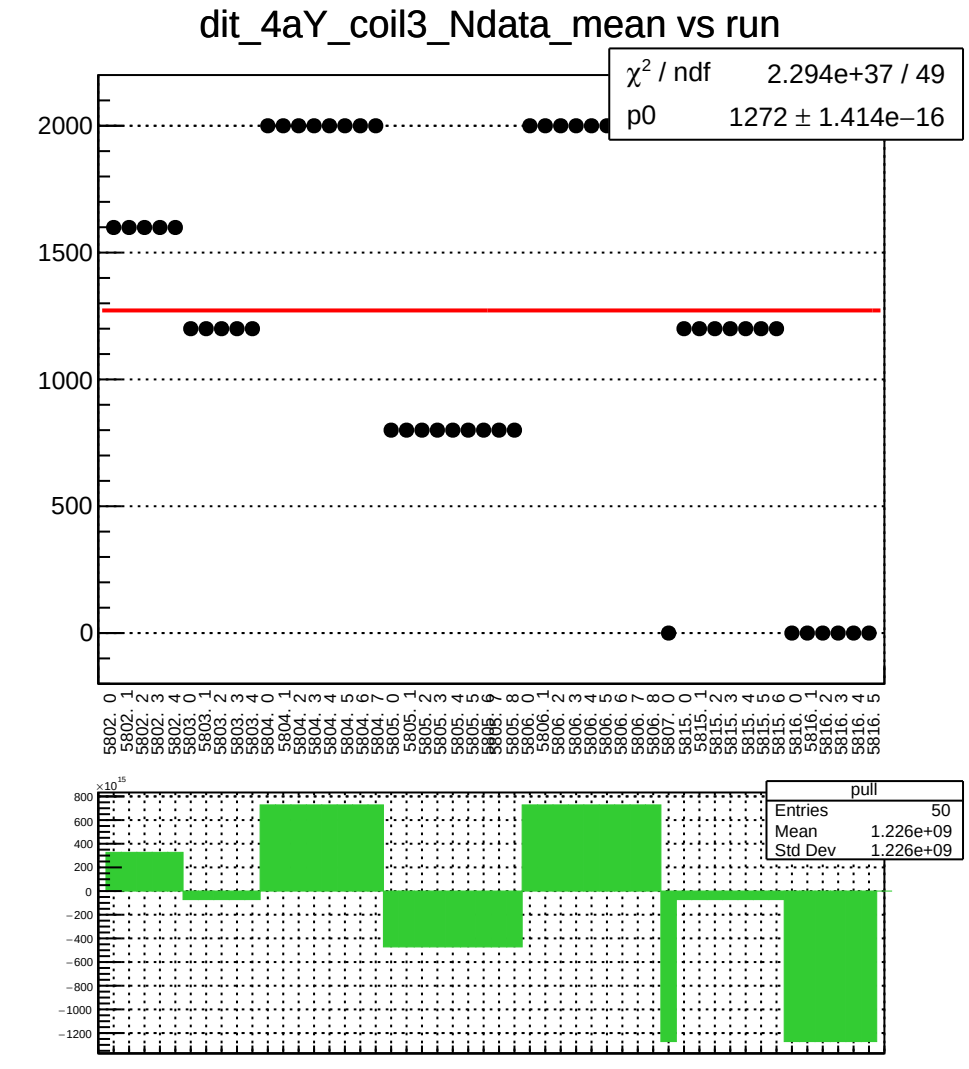

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

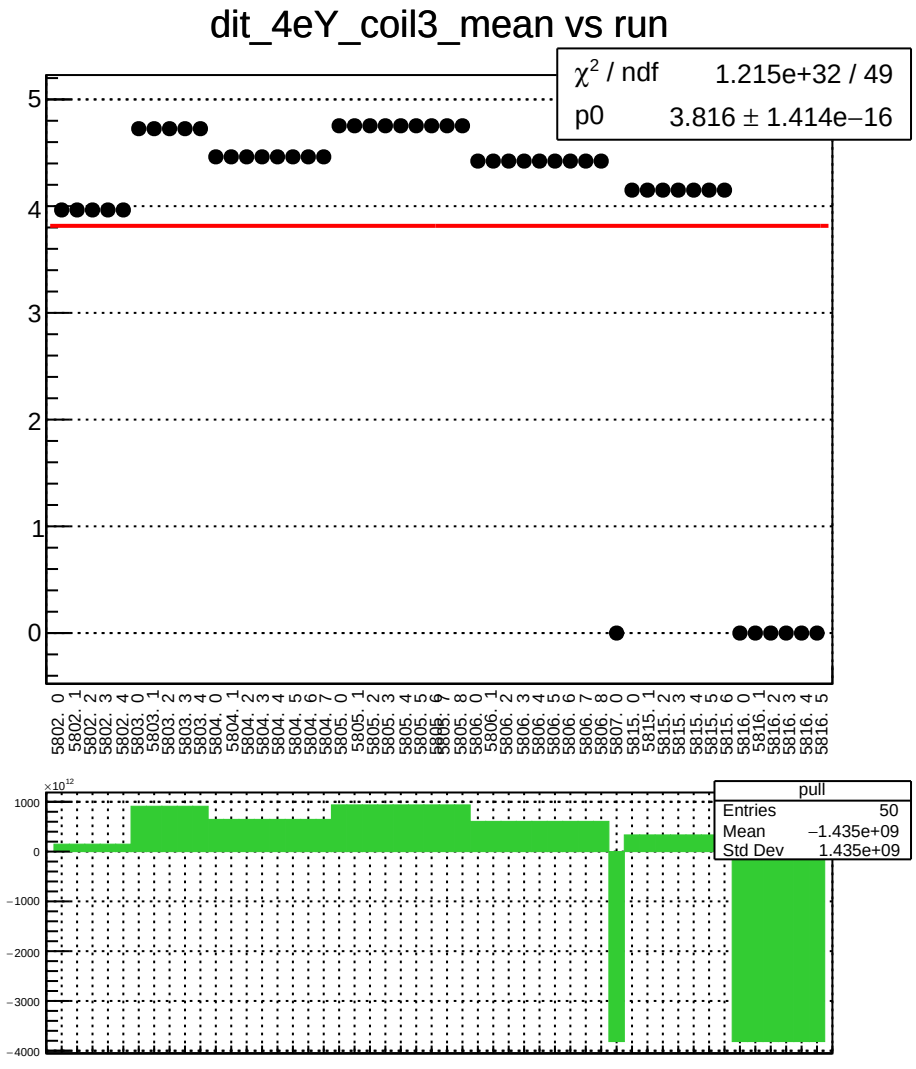

dit_4aY_coil3_mean vs run
χ^2 / ndf 1.008e+32 / 49
p0 3.459 ± 1.414e−16
pull
Entries 50
Mean −7.279e+08
Std Dev 7.279e+08

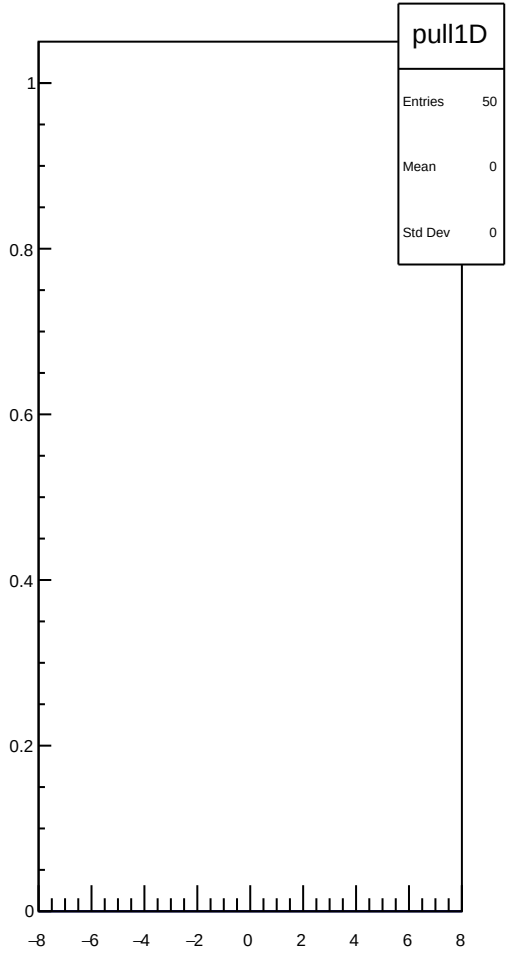

pull1D
Entries 50
Mean 0
Std Dev 0

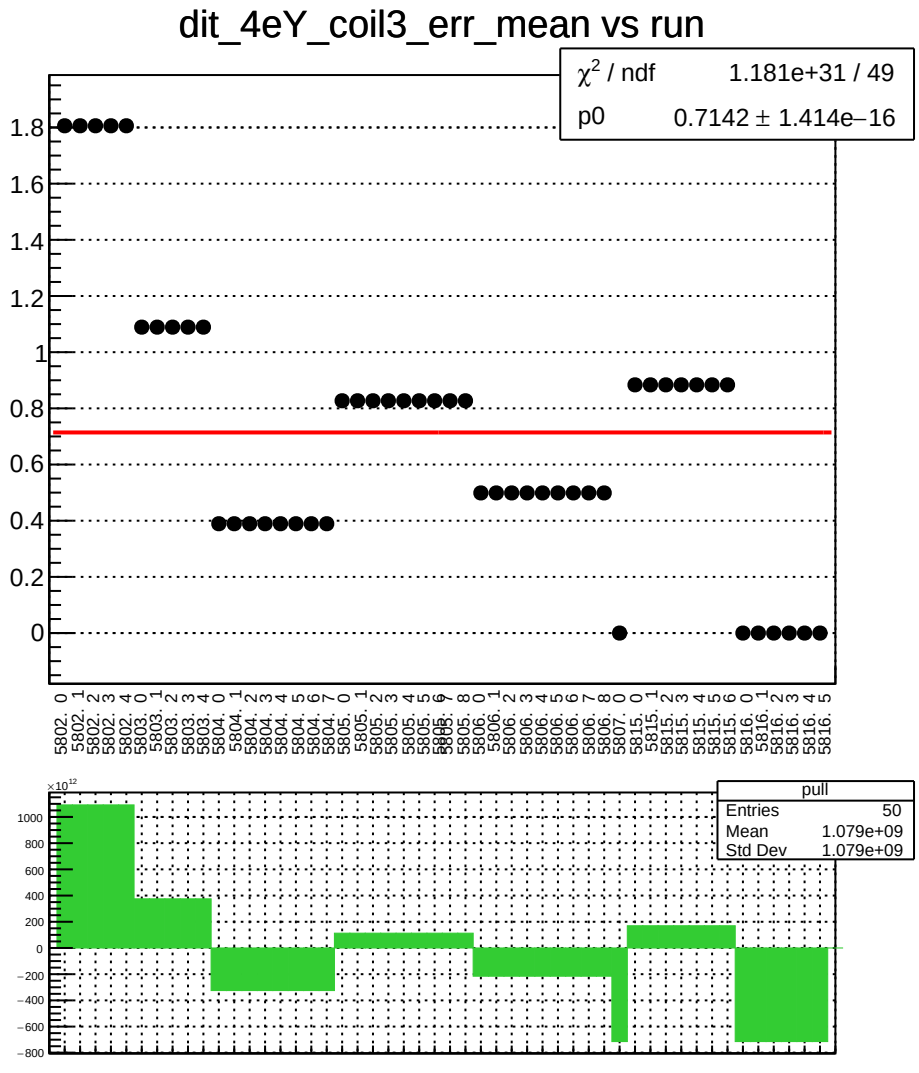

dit_4aY_coil3_err_mean vs run
χ² / ndf 1.207e+31 / 49
p0 0.7375 ± 1.414e−16
pull
Entries 50
Mean −6.796e+09
Std Dev 6.796e+09

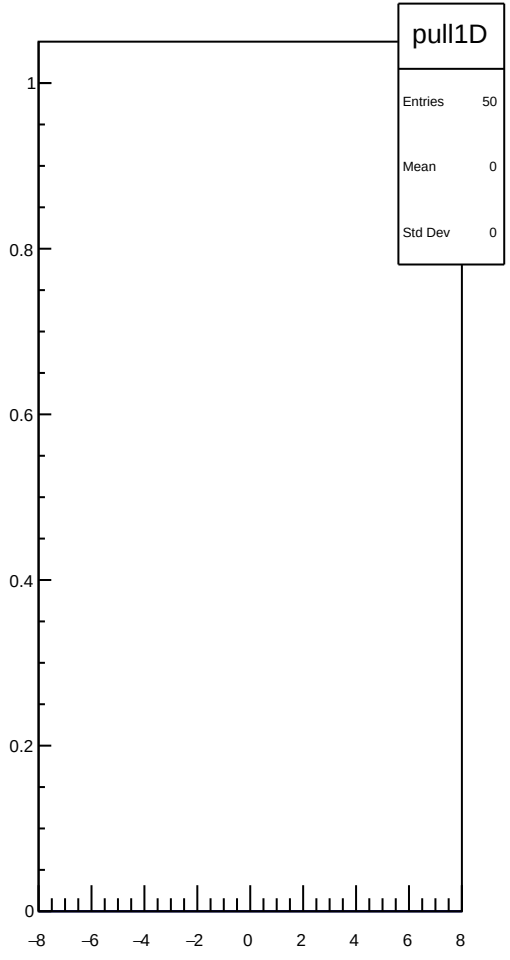

pull1D
Entries 50
Mean 0
Std Dev 0

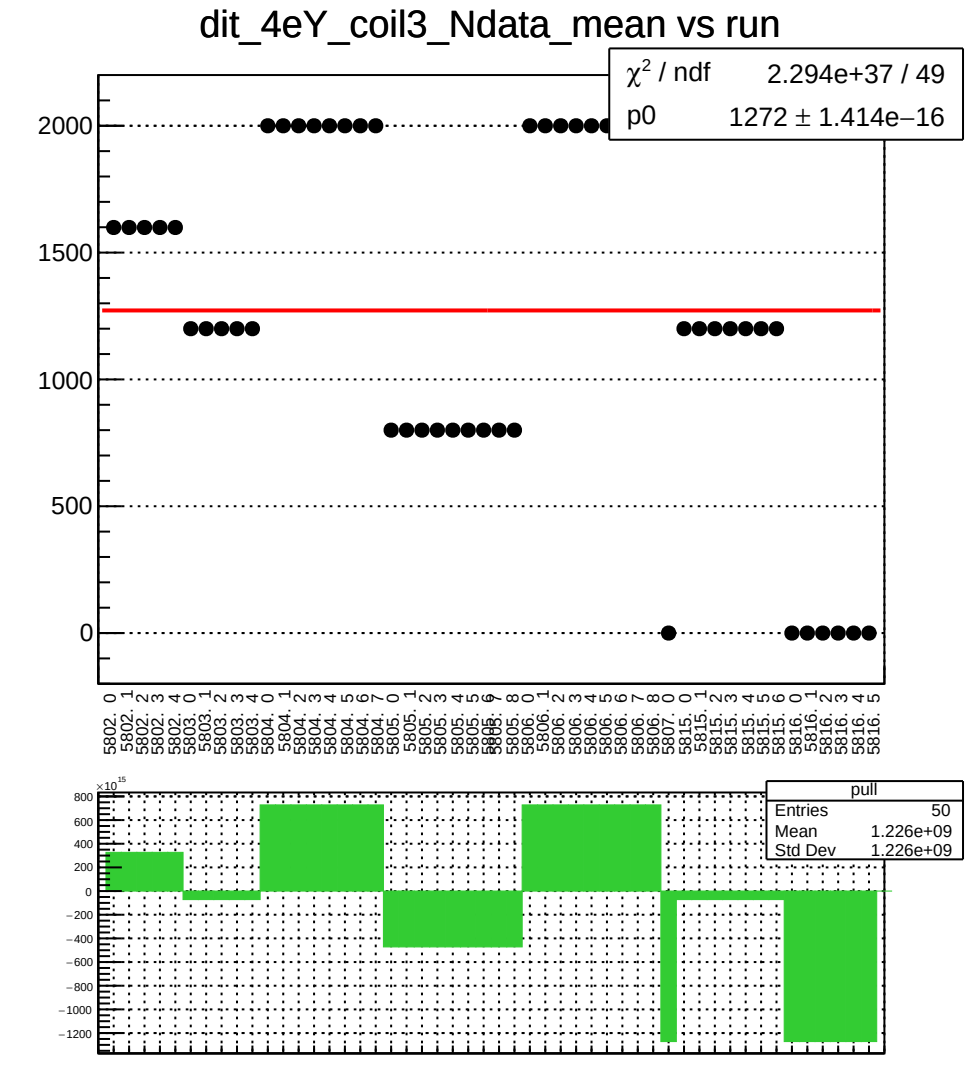

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

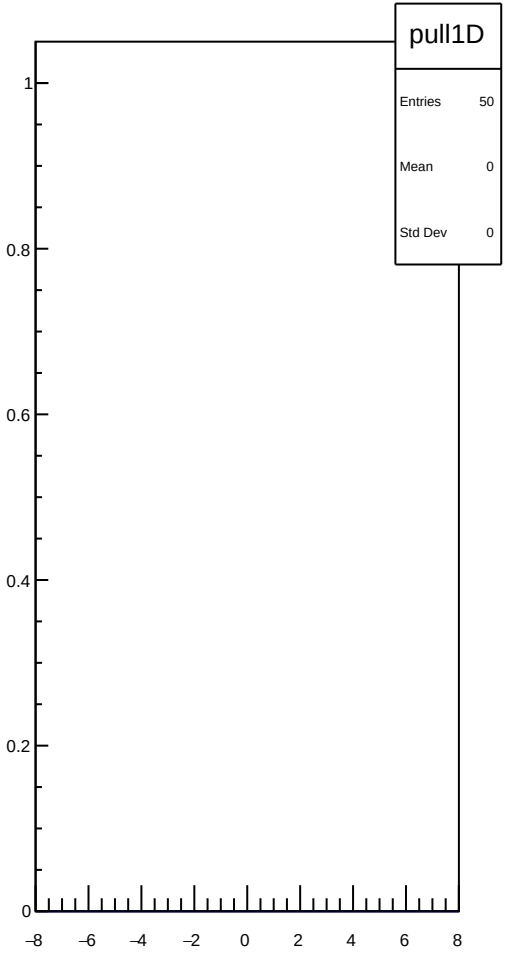

dit_4eY_coil3_mean vs run
χ² / ndf 1.215e+32 / 49
p0 3.816 ± 1.414e−16
pull
Entries 50
Mean −1.435e+09
Std Dev 1.435e+09

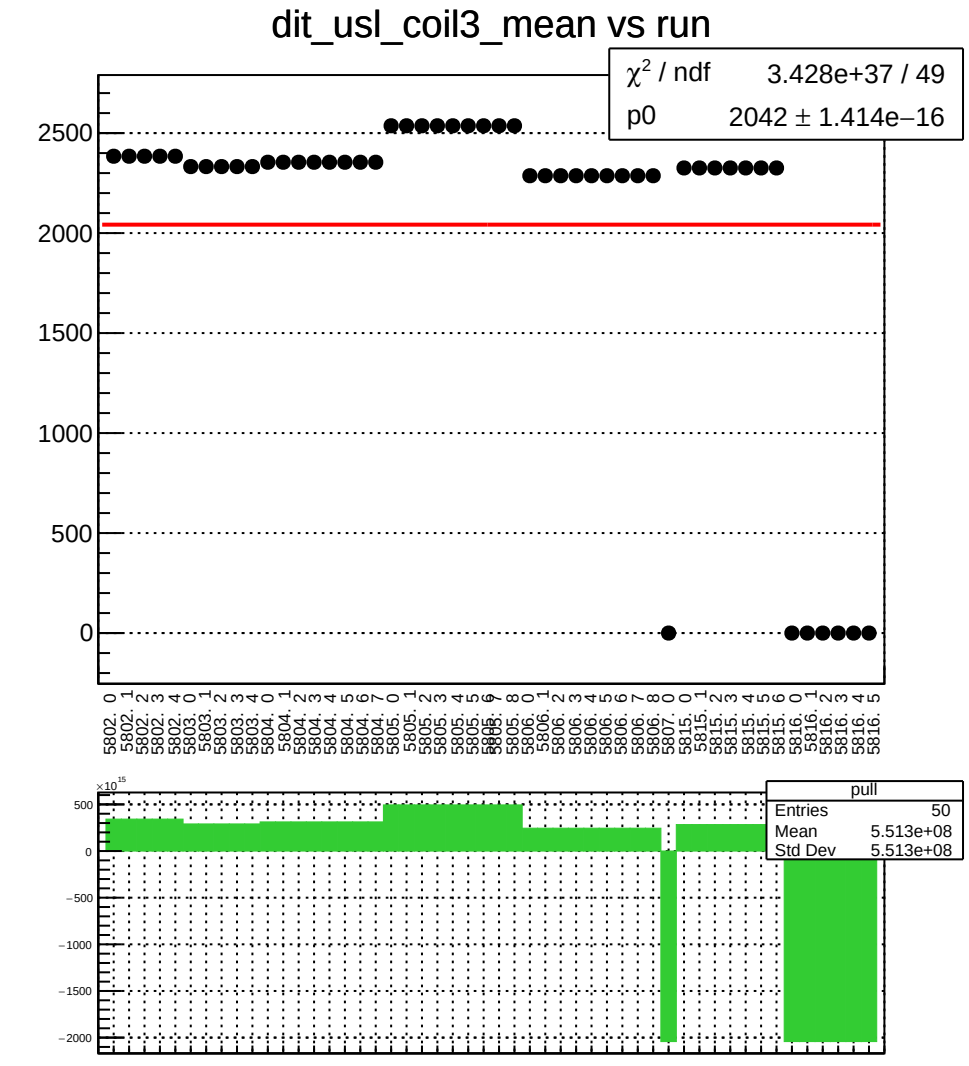

pull1D
Entries 50
Mean 0
Std Dev 0

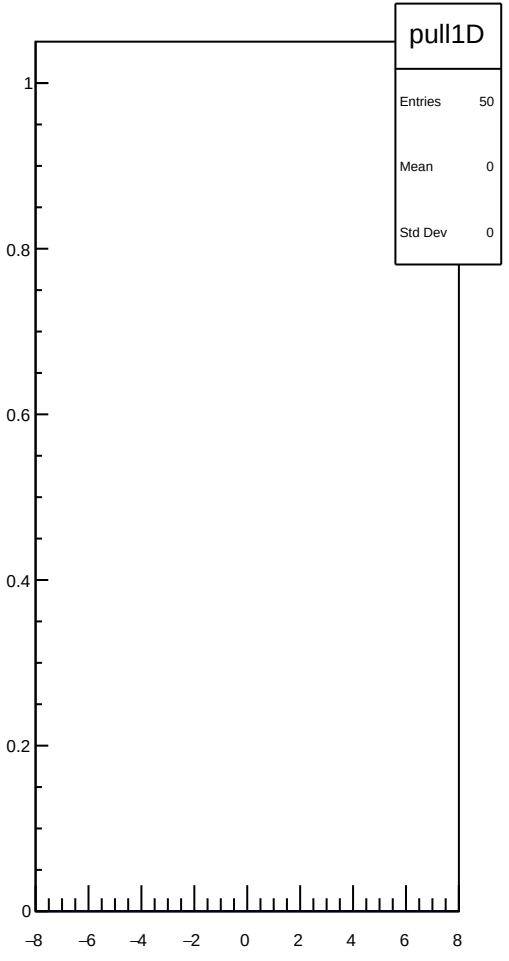

dit_4eY_coil3_err_mean vs run
χ² / ndf 1.181e+31 / 49
p0 0.7142 ± 1.414e−16
pull
Entries 50
Mean 1.079e+09
Std Dev 1.079e+09

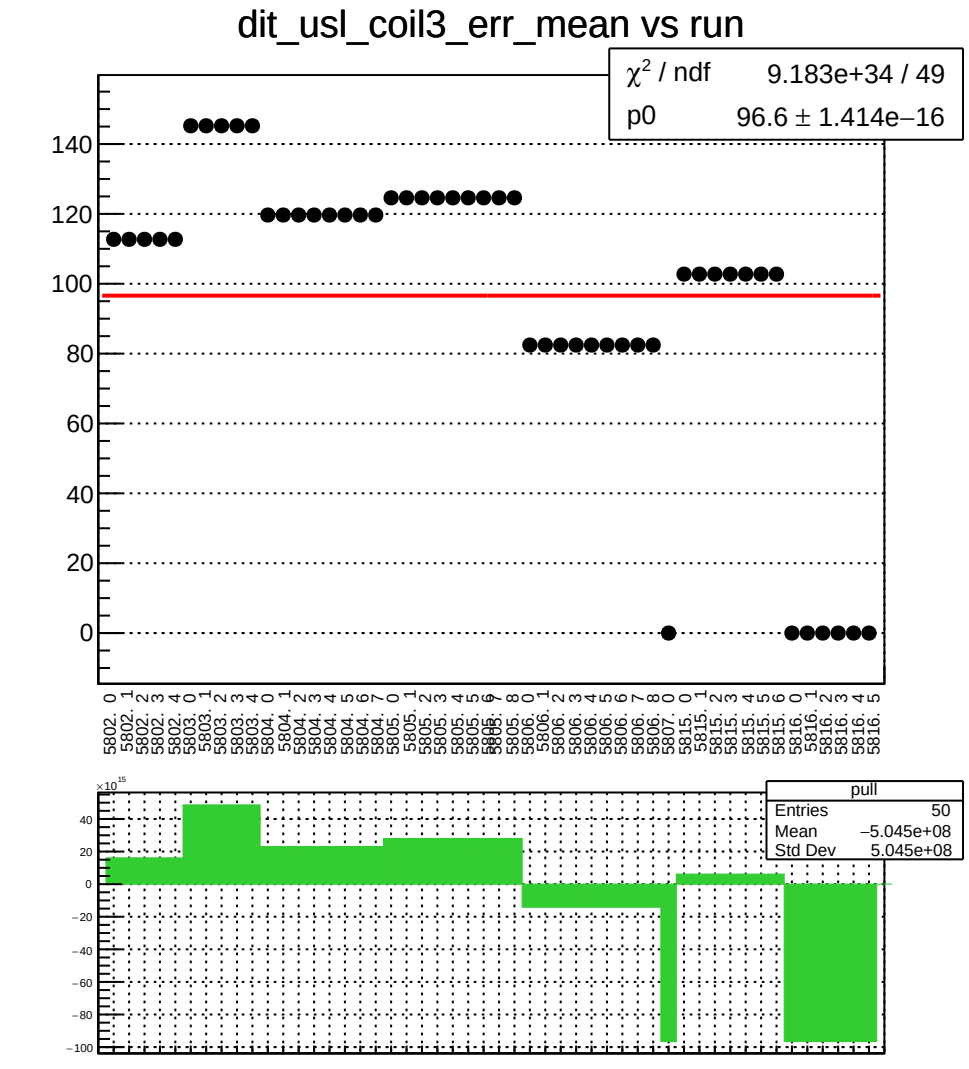

pull1D
Entries 50
Mean 0
Std Dev 0

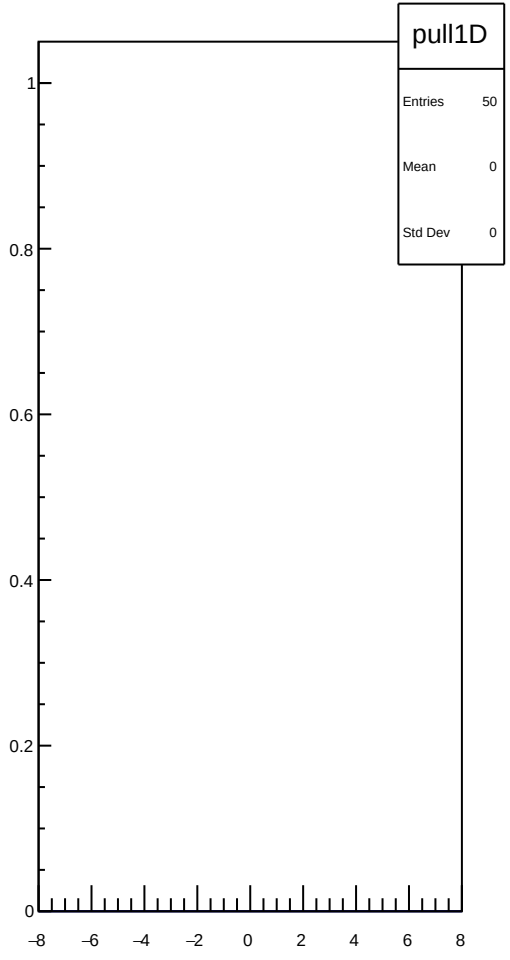

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

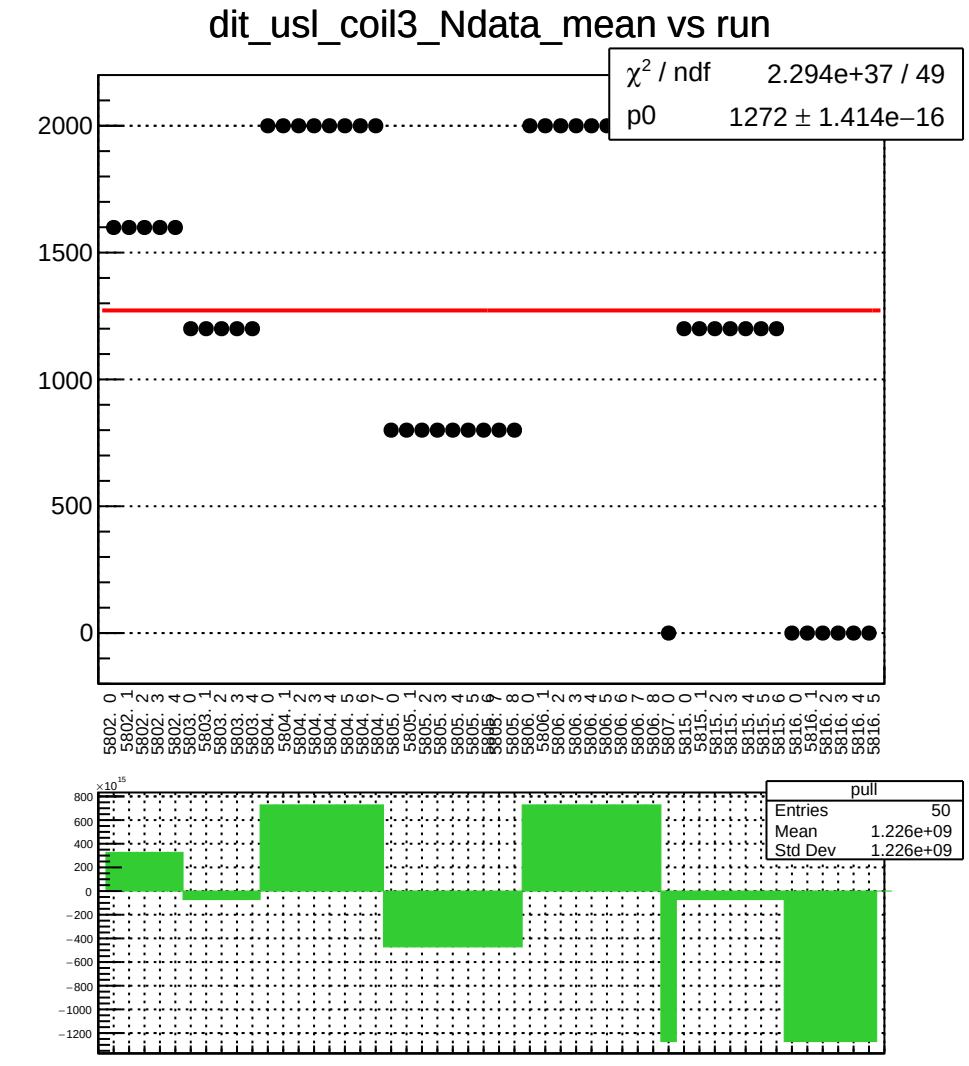

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

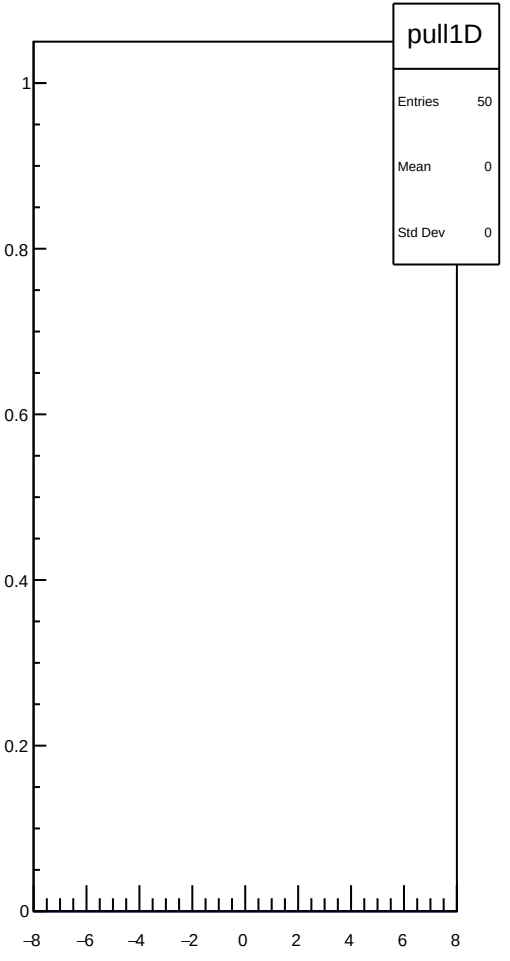

dit_usl_coil3_mean vs run
χ² / ndf 3.428e+37 / 49
p0 2042 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 5.513e+08
Std Dev 5.513e+08
×10¹⁵
500
0
−500
−1000
−1500
−2000

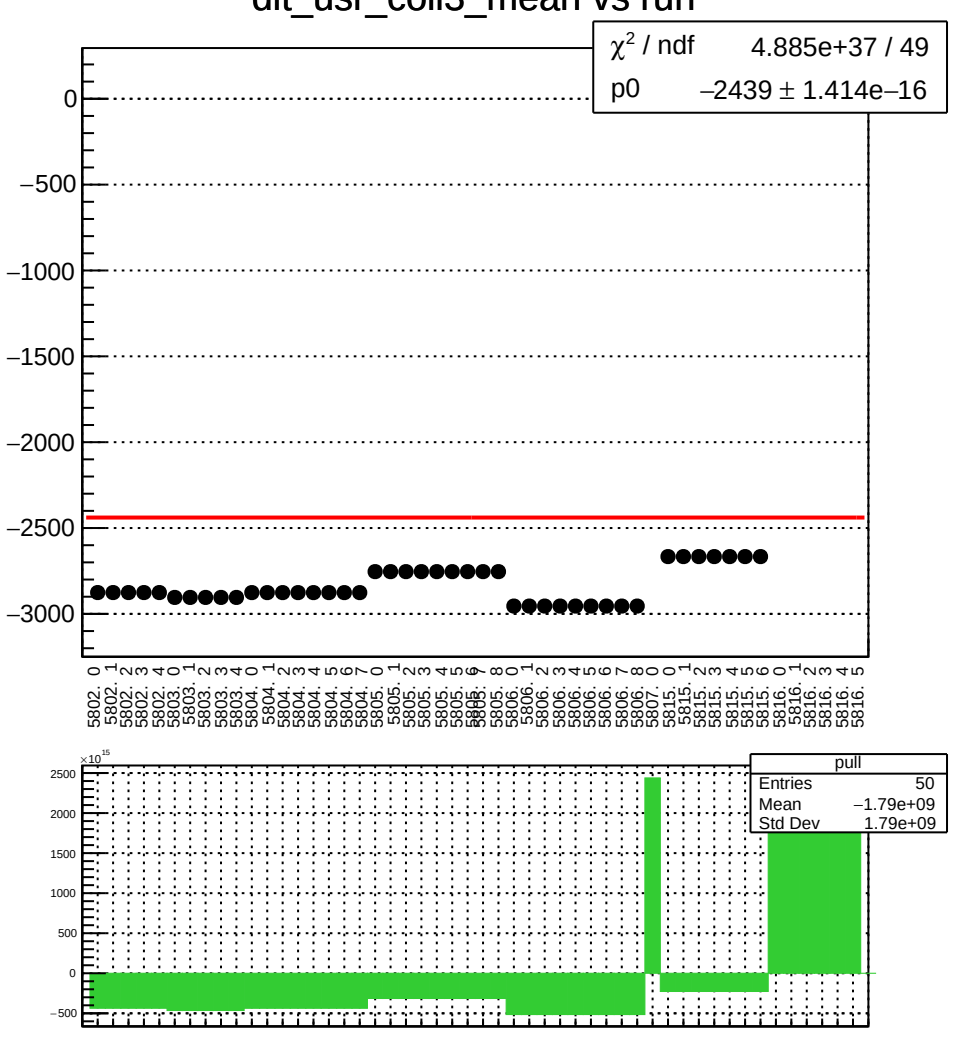

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

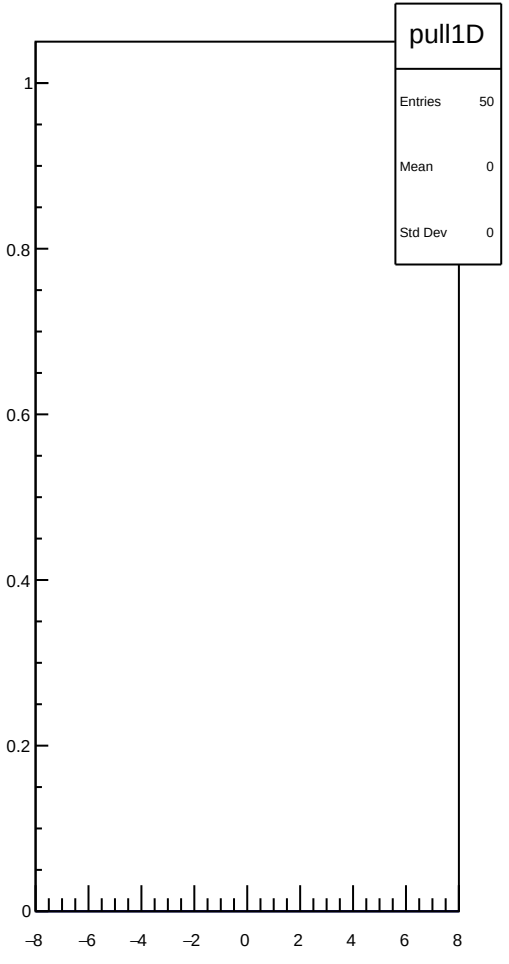

dit_usl_coil3_err_mean vs run
χ² / ndf 9.183e+34 / 49
p0 96.6 ± 1.414e−16
pull
Entries 50
Mean −5.045e+08
Std Dev 5.045e+08

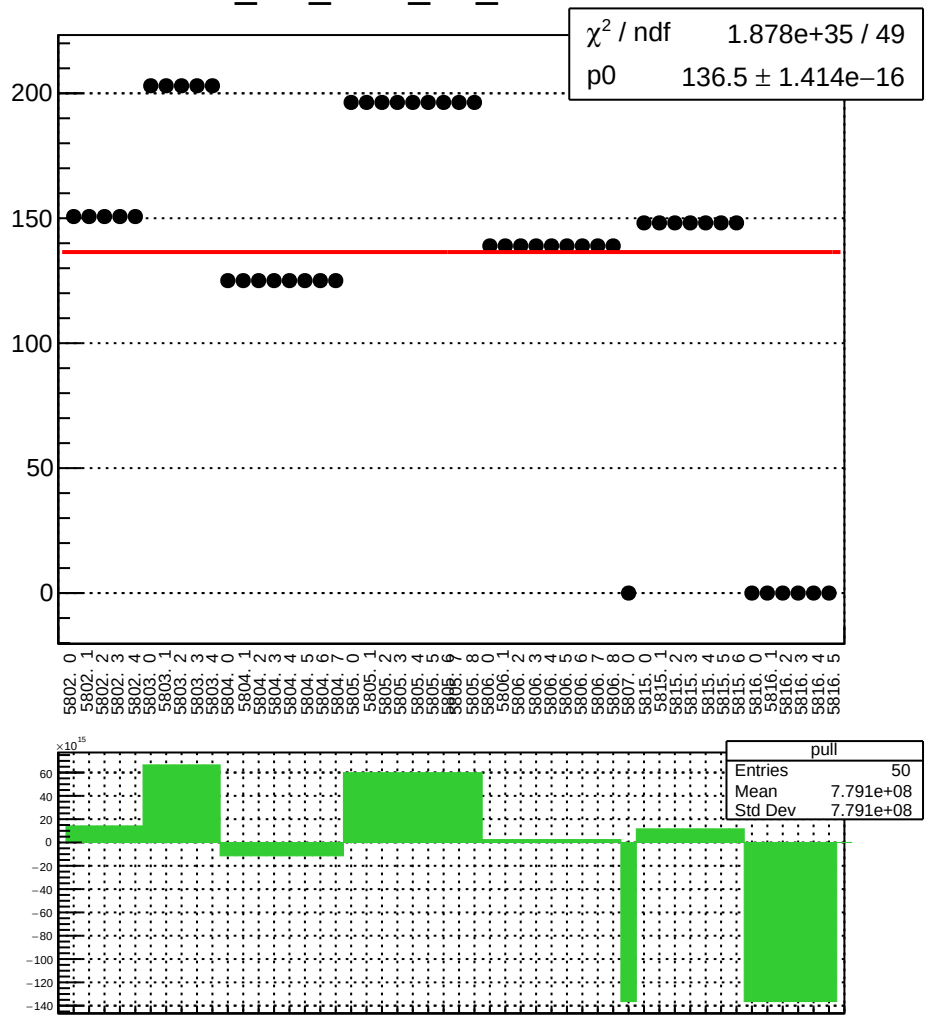

pull1D
Entries 50
Mean 0
Std Dev 0

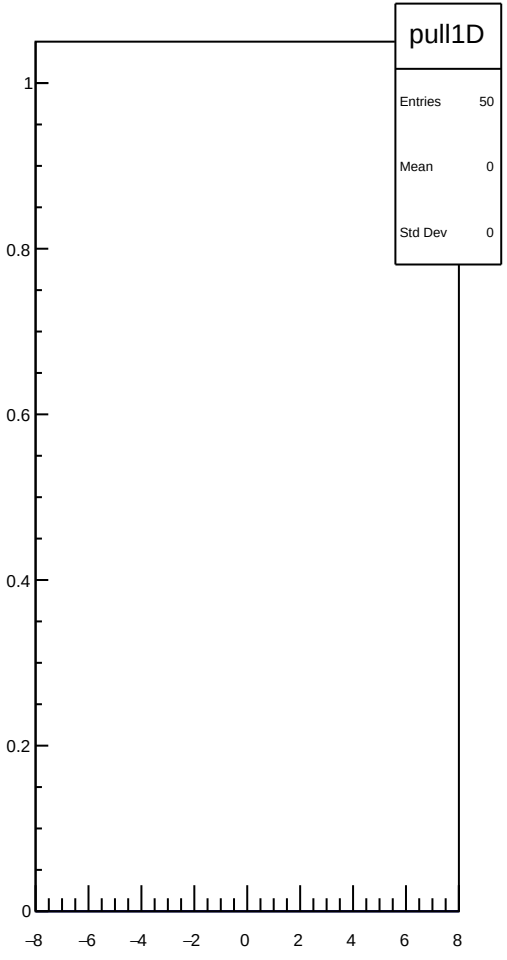

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil3_mean vs run
χ² / ndf 4.885e+37 / 49
p0 −2439 ± 1.414e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 50
Mean −1.79e+09
Std Dev 1.79e+09
×10¹⁵
2500
2000
1500
1000
500
0
−500


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil3_err_mean vs run
χ² / ndf 1.878e+35 / 49
p0 136.5 ± 1.414e−16
200
150
100
50
0
pull
Entries 50
Mean 7.791e+08
Std Dev 7.791e+08
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100
−120
−140


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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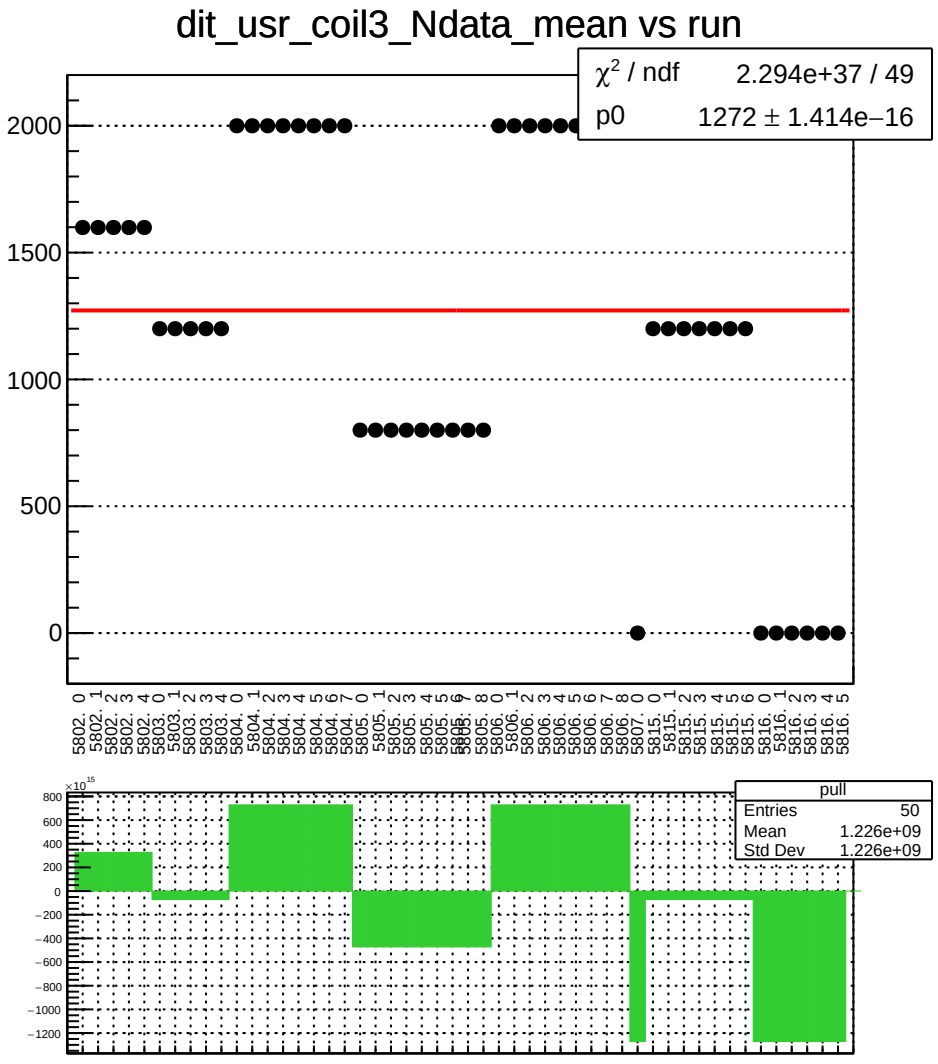
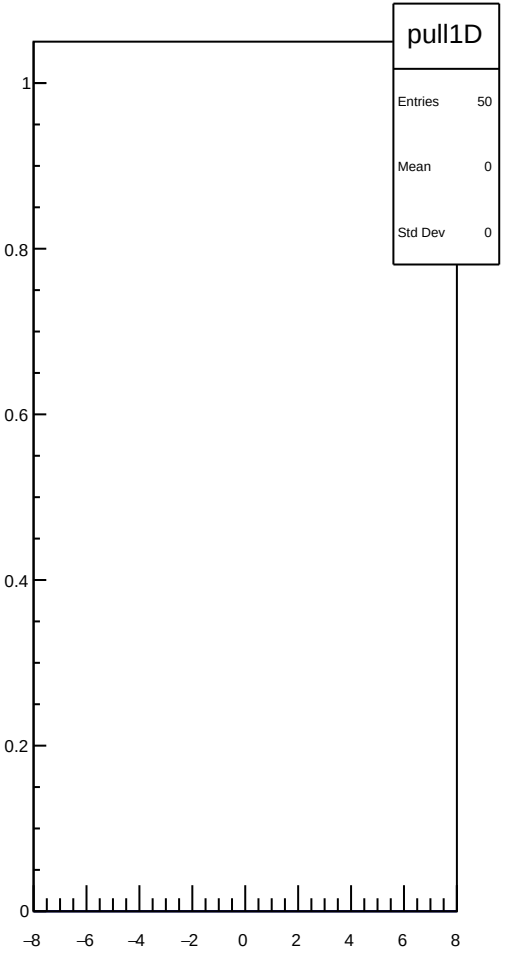
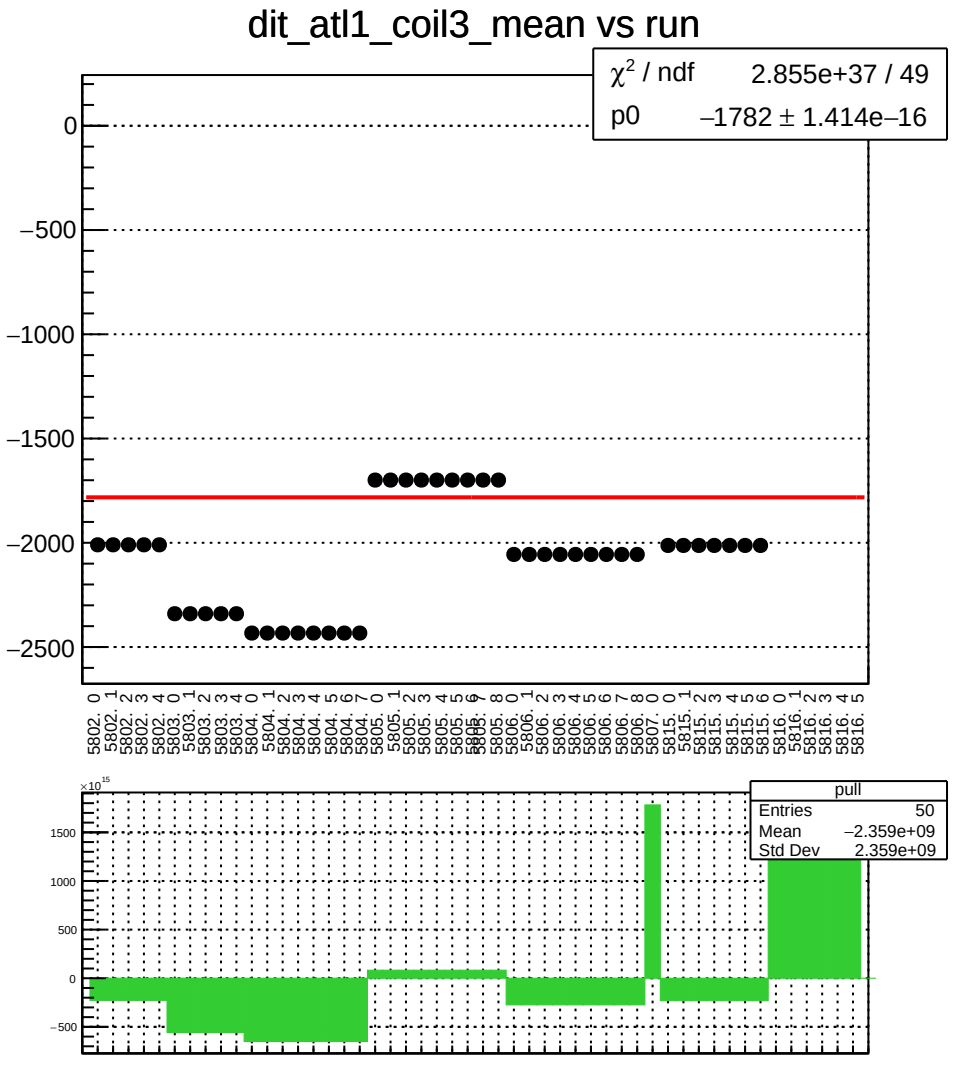
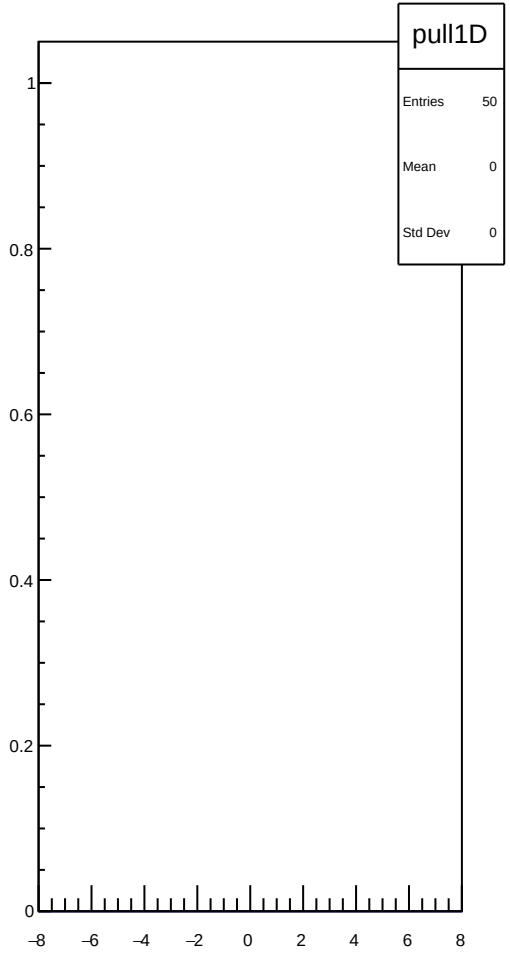
0
2
4
6
8


dit_usr_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil3_mean vs run
χ² / ndf 2.855e+37 / 49
p0 –1782 ± 1.414e–16
0
–500
–1000
–1500
–2000
–2500
pull
Entries 50
Mean –2.359e+09
Std Dev 2.359e+09
×10¹⁵
1500
1000
500
0
–500


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
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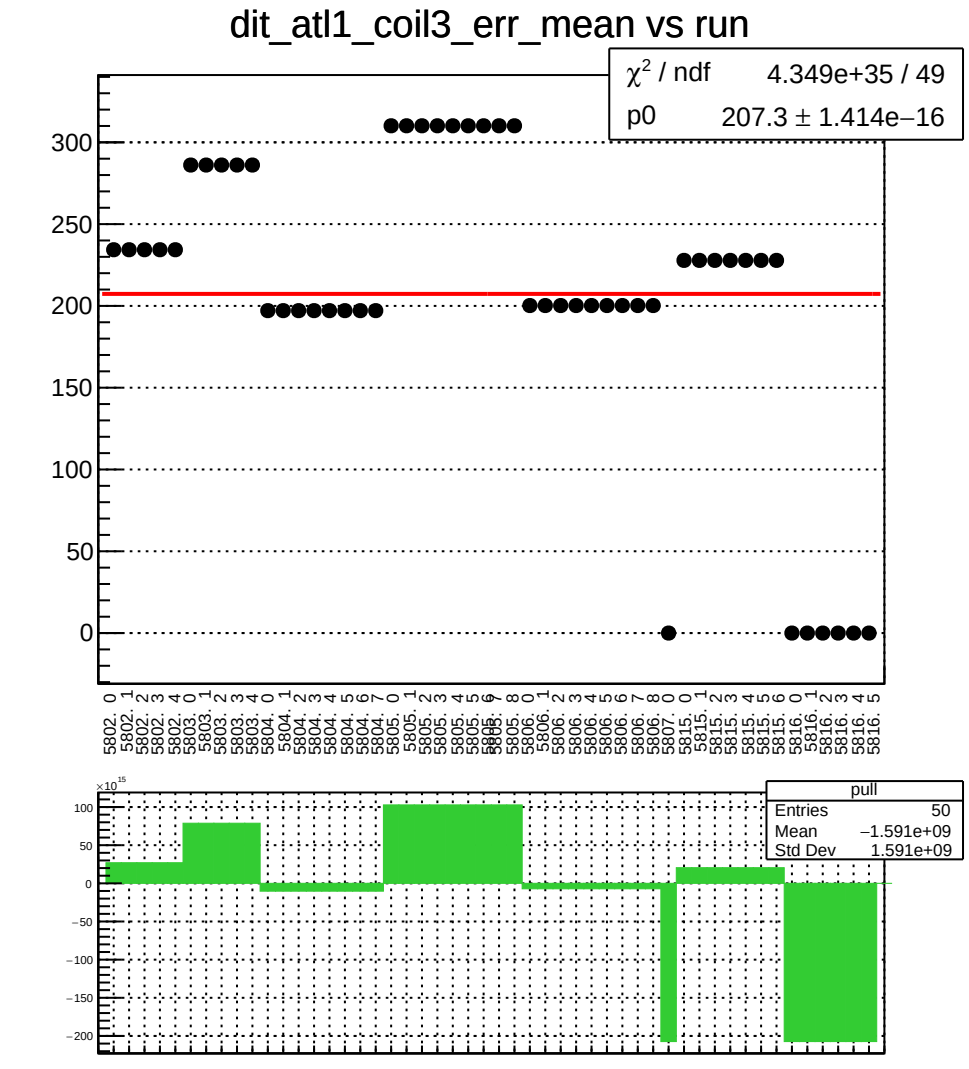
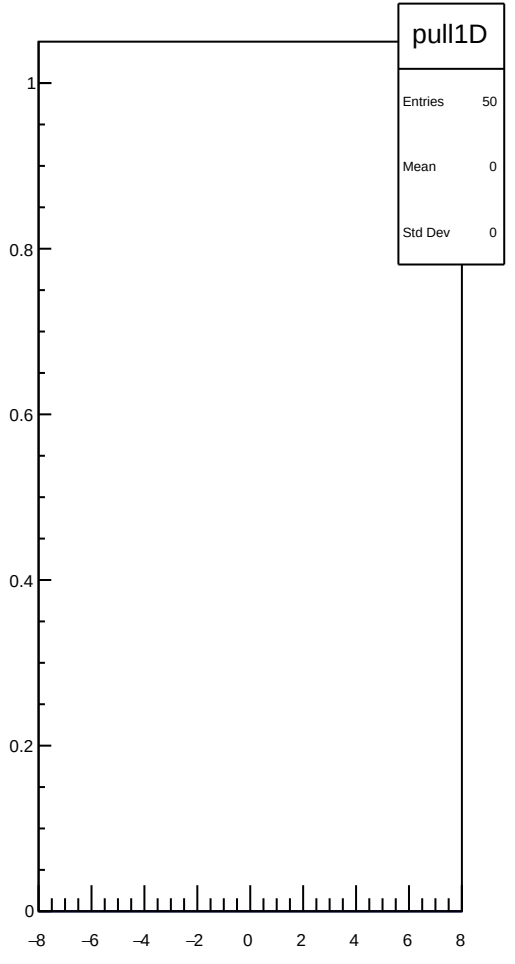
2
4
6
8


dit_atl1_coil3_err_mean vs run
χ² / ndf 4.349e+35 / 49
p0 207.3 ± 1.414e−16
300
250
200
150
100
50
0
pull
Entries 50
Mean −1.591e+09
Std Dev 1.591e+09
×10¹⁵
100
50
0
−50
−100
−150
−200


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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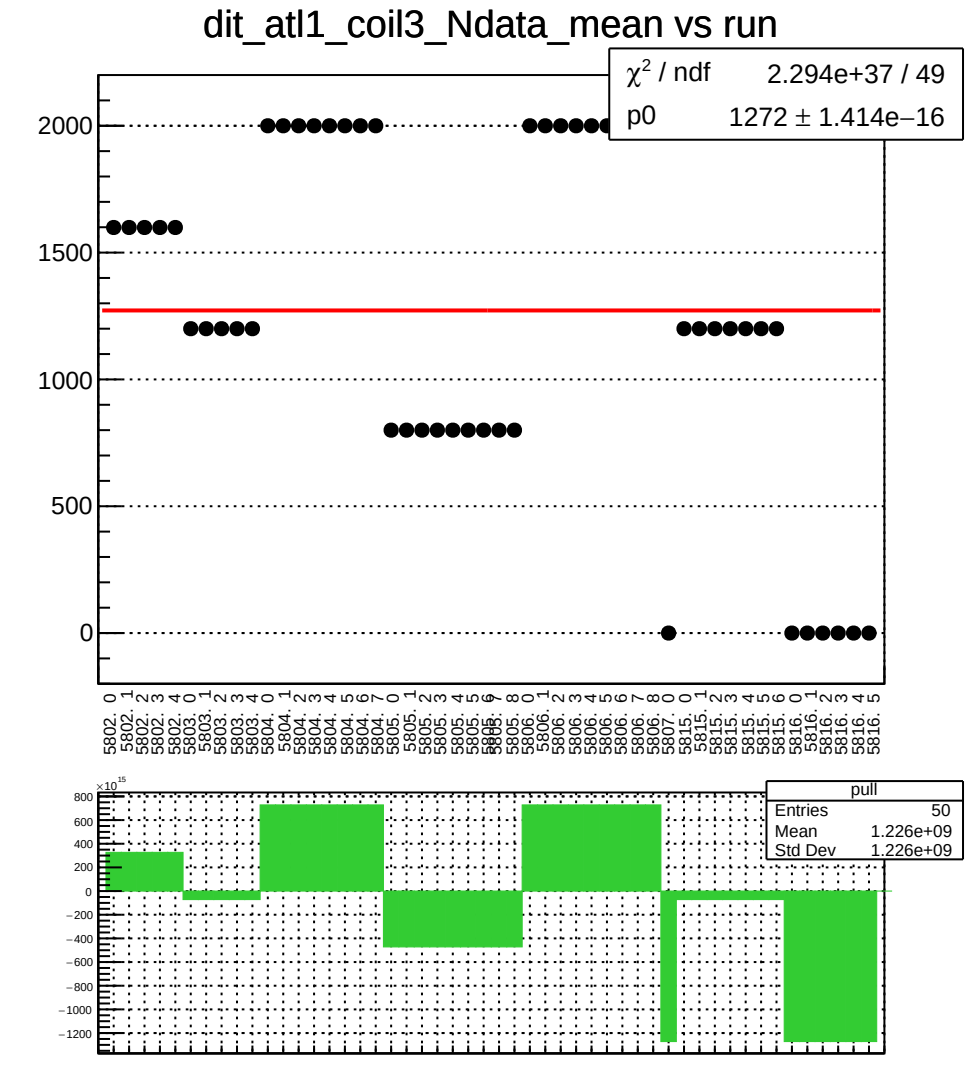
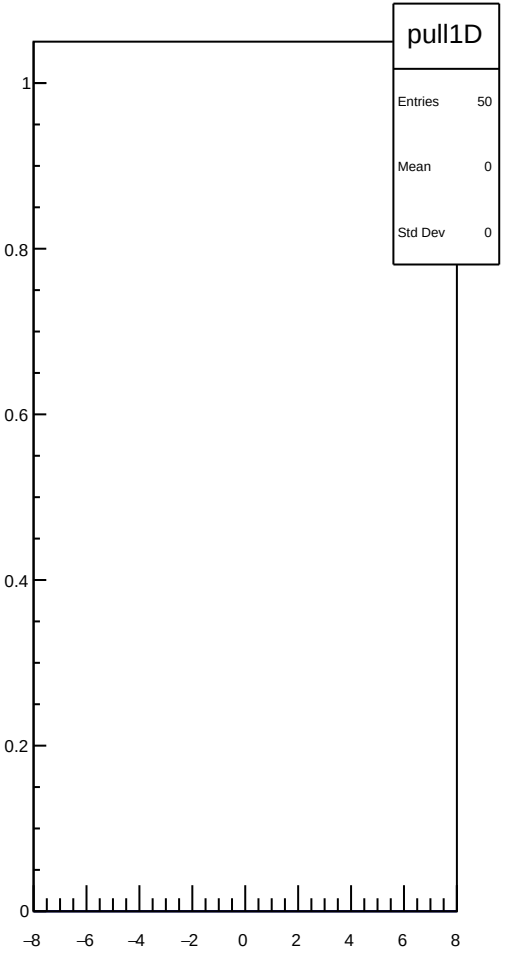
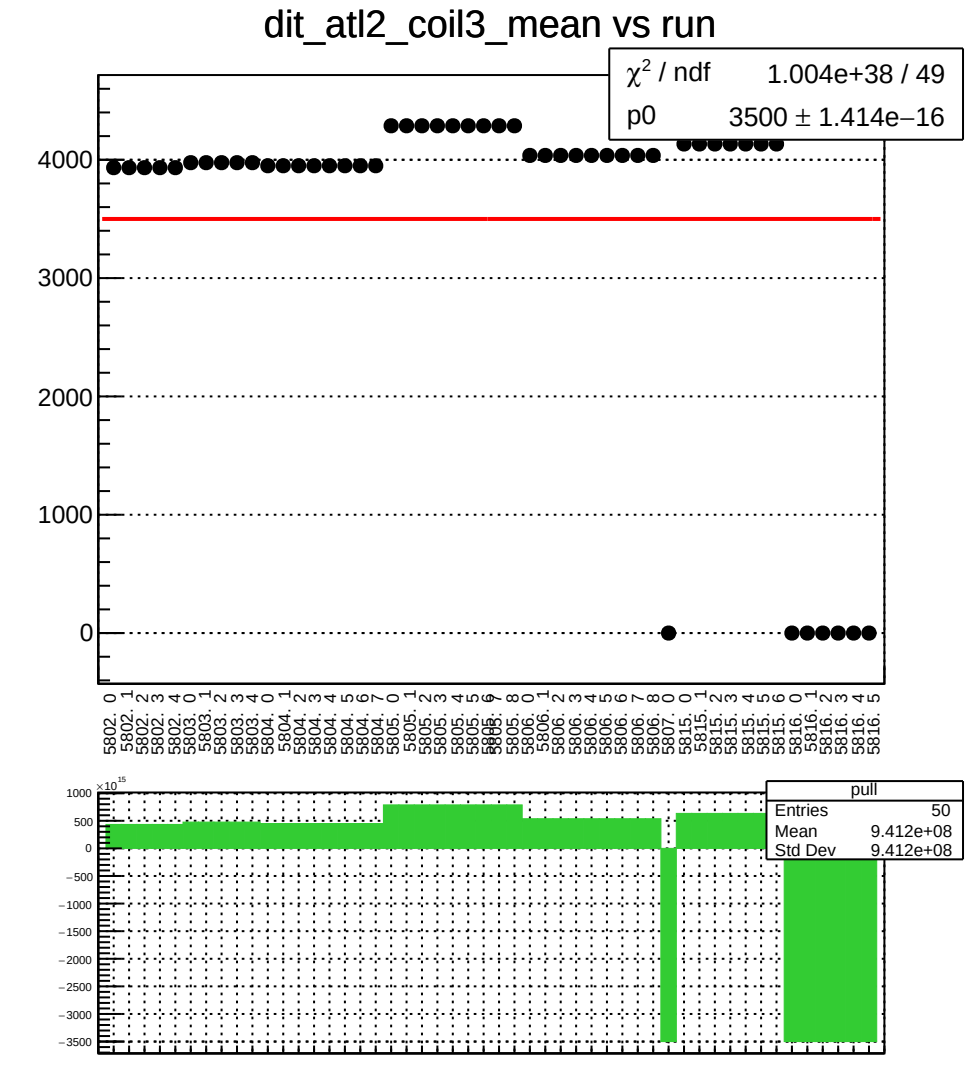
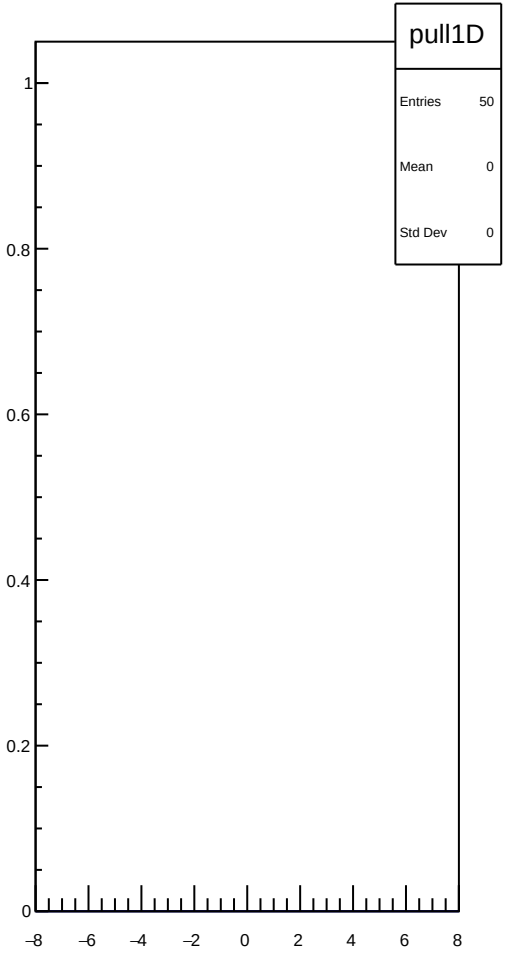
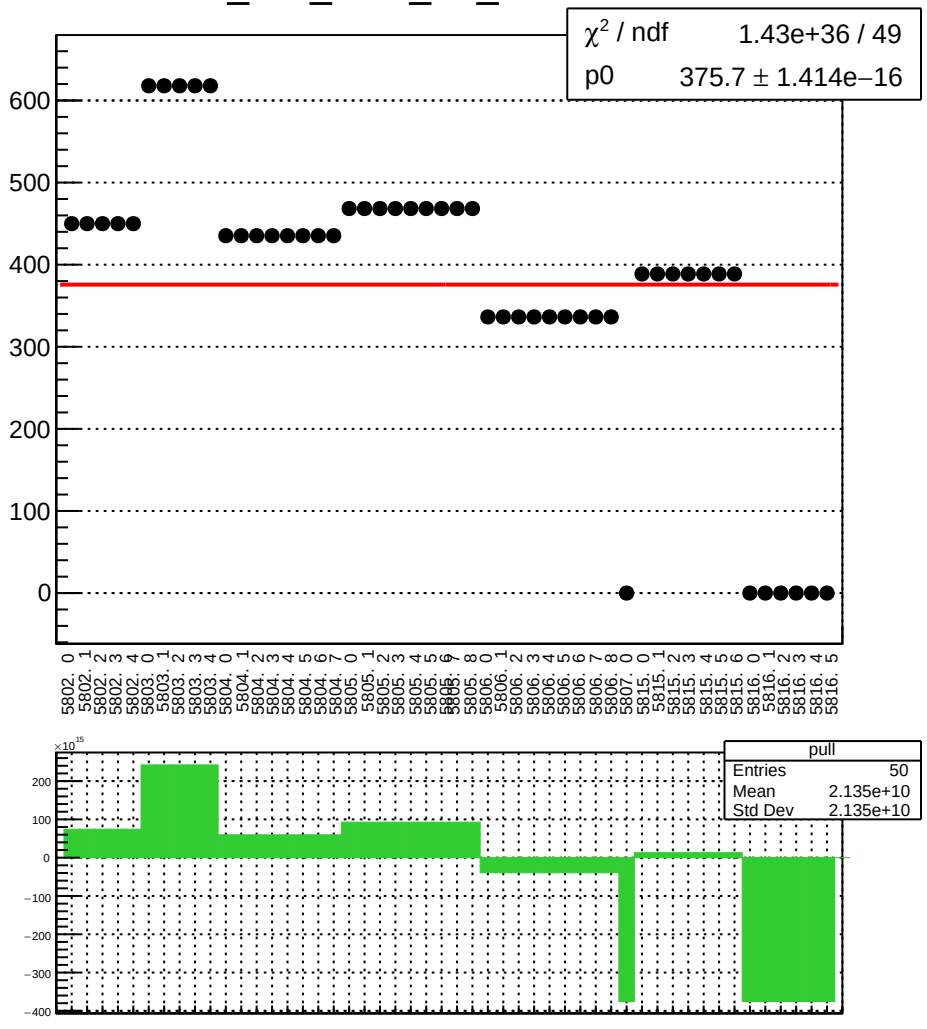
2
4
6
8

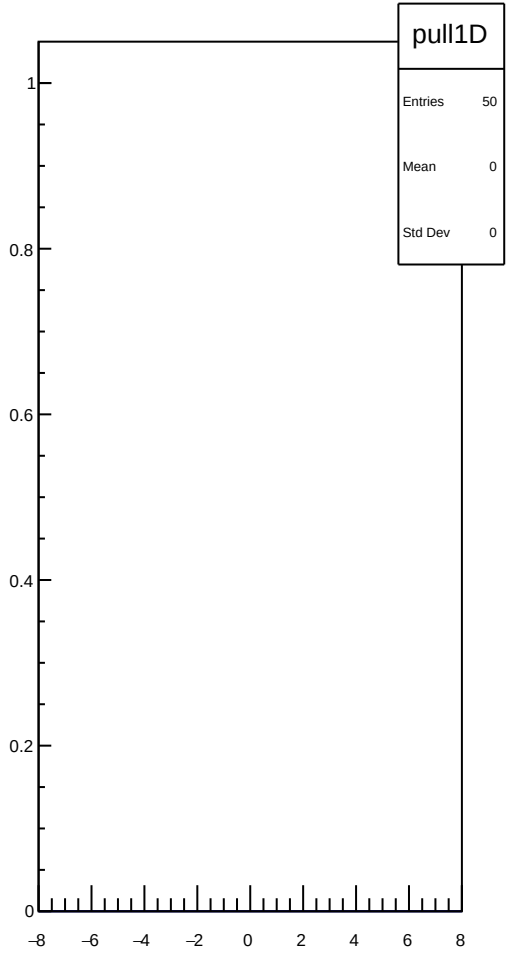

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

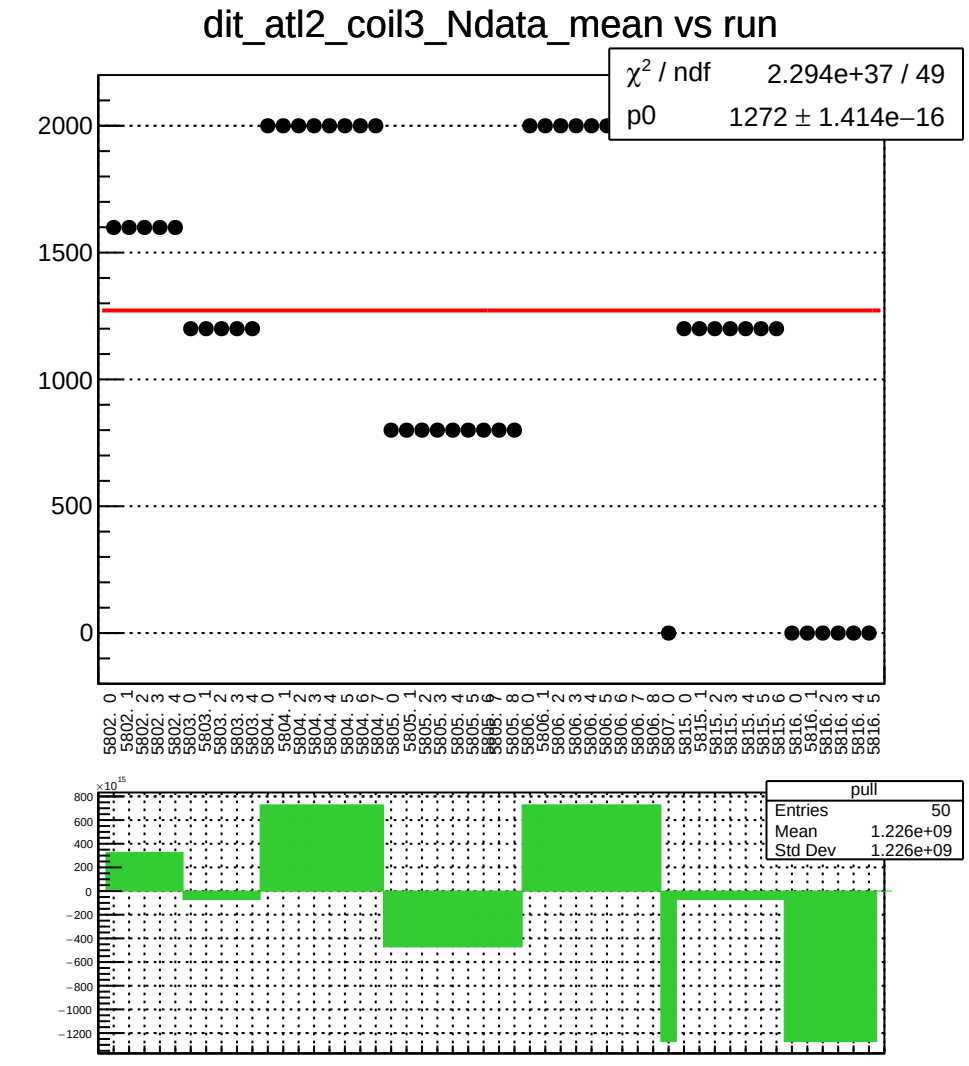

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

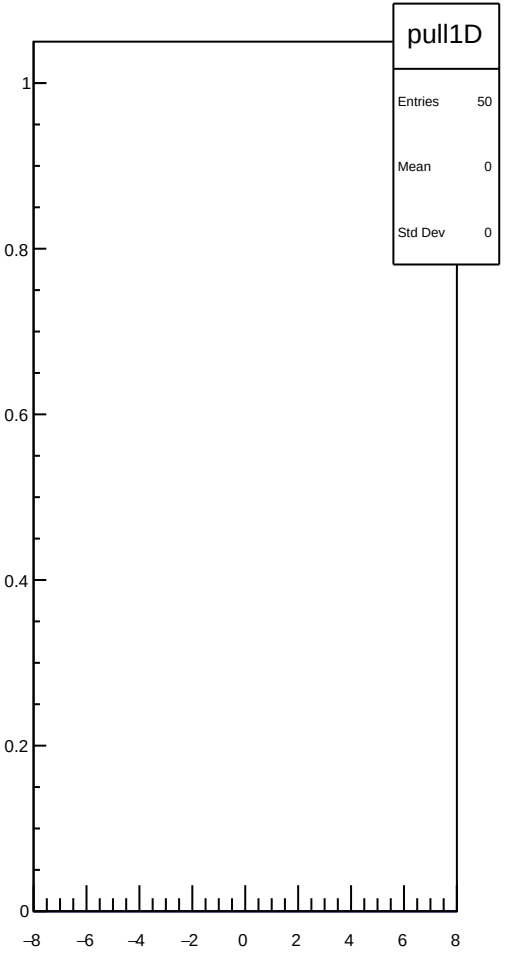

dit_atl2_coil3_mean vs run
χ² / ndf 1.004e+38 / 49
p0 3500 ± 1.414e−16
4000
3000
2000
1000
0
pull
Entries 50
Mean 9.412e+08
Std Dev 9.412e+08
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

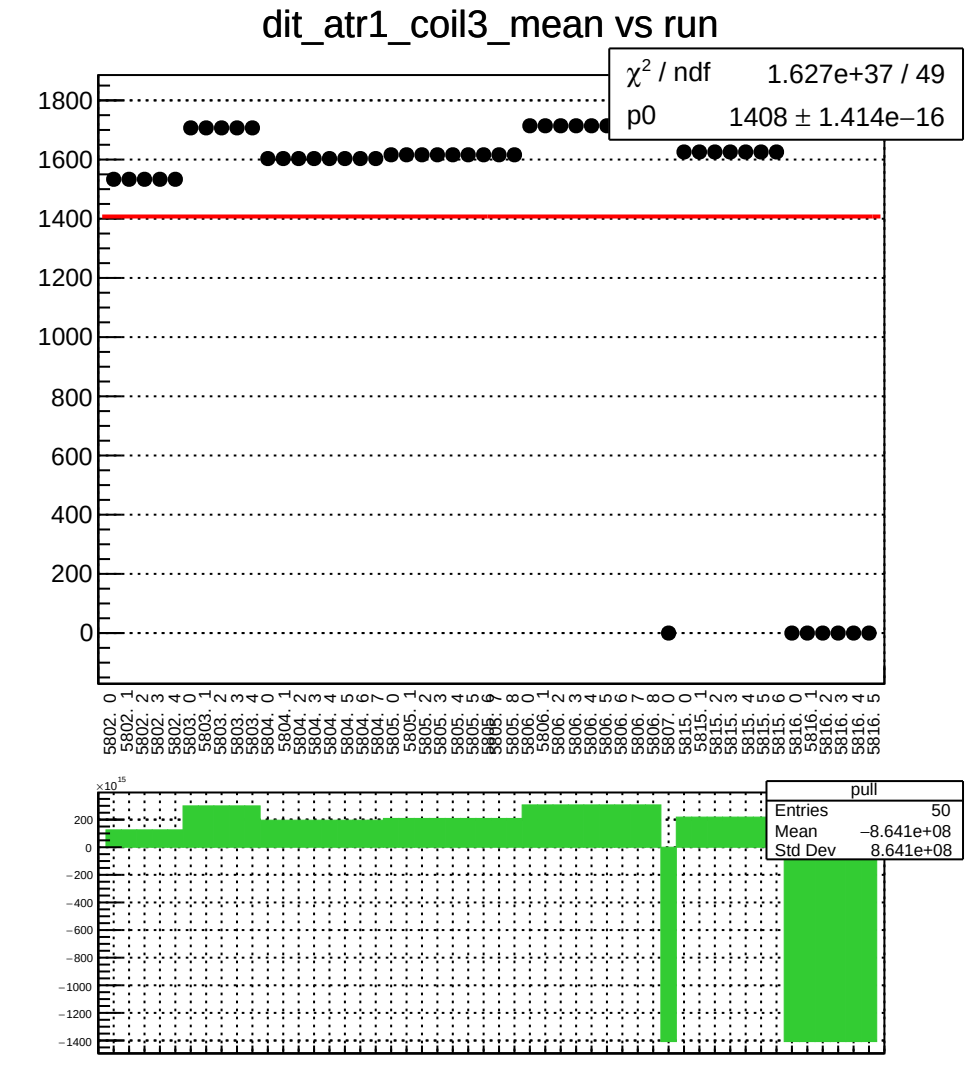

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

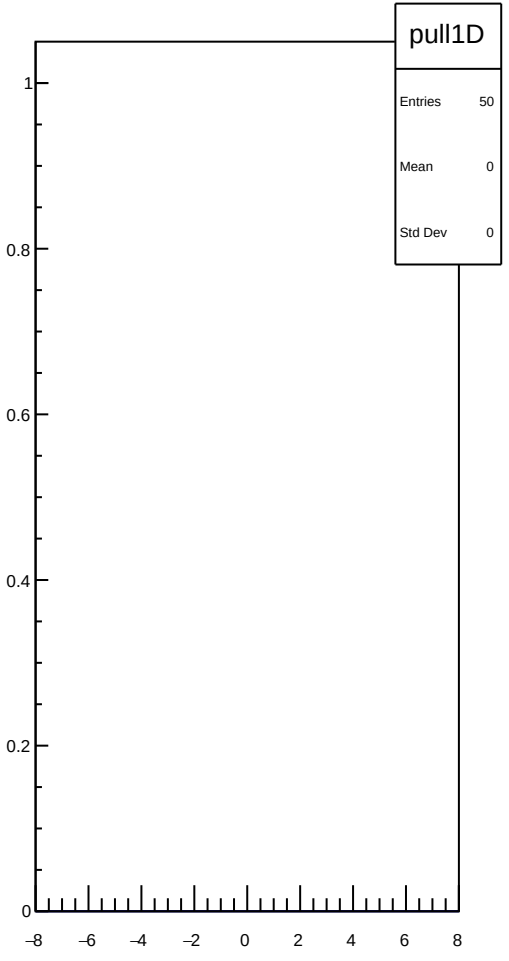

dit_atl2_coil3_err_mean vs run
χ² / ndf 1.43e+36 / 49
p0 375.7 ± 1.414e−16
pull
Entries 50
Mean 2.135e+10
Std Dev 2.135e+10

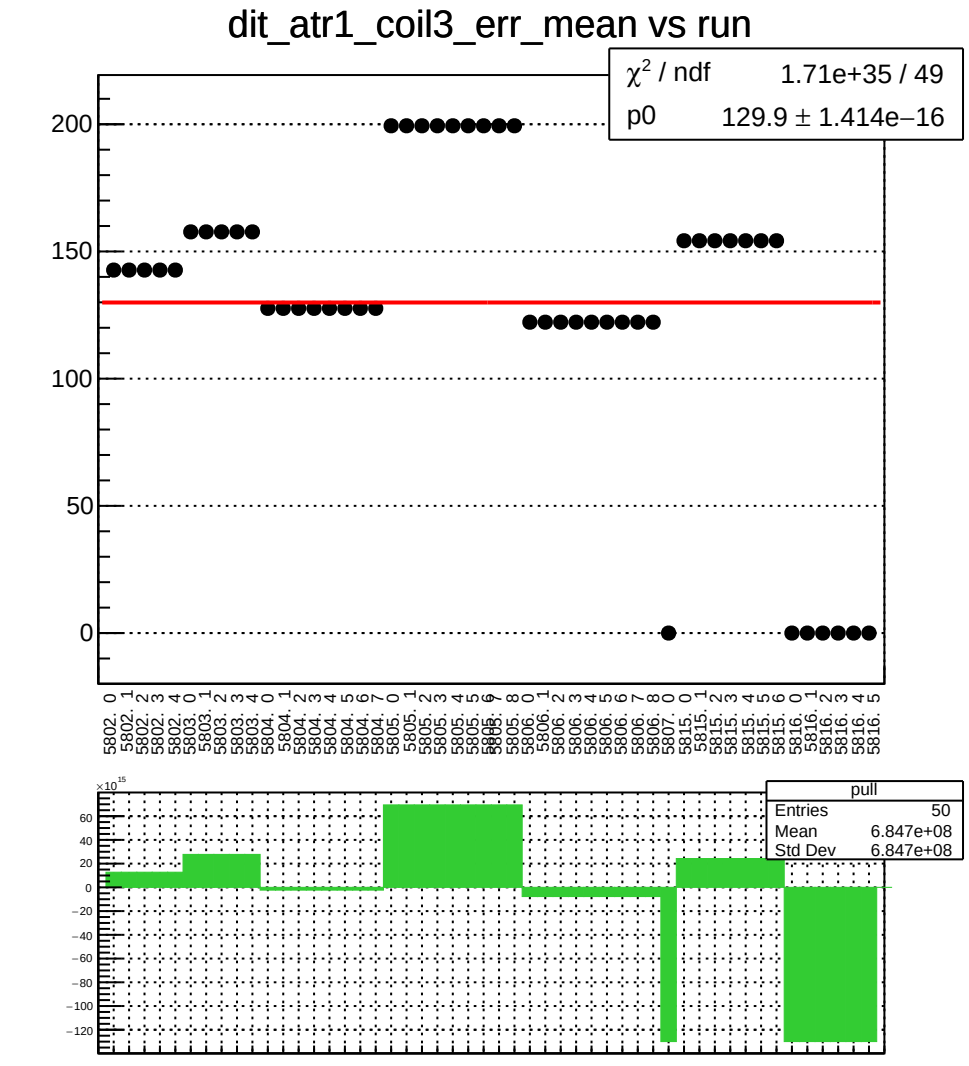

pull1D
Entries 50
Mean 0
Std Dev 0

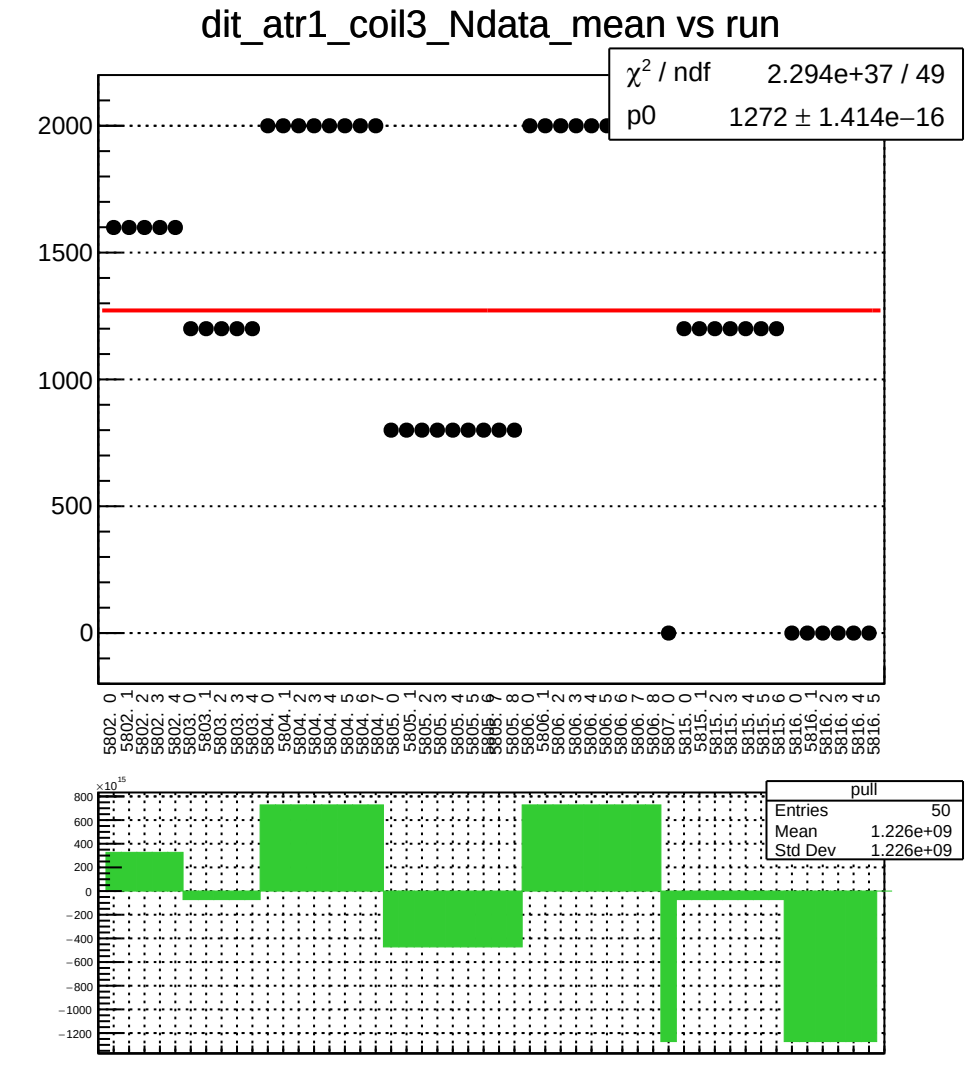

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

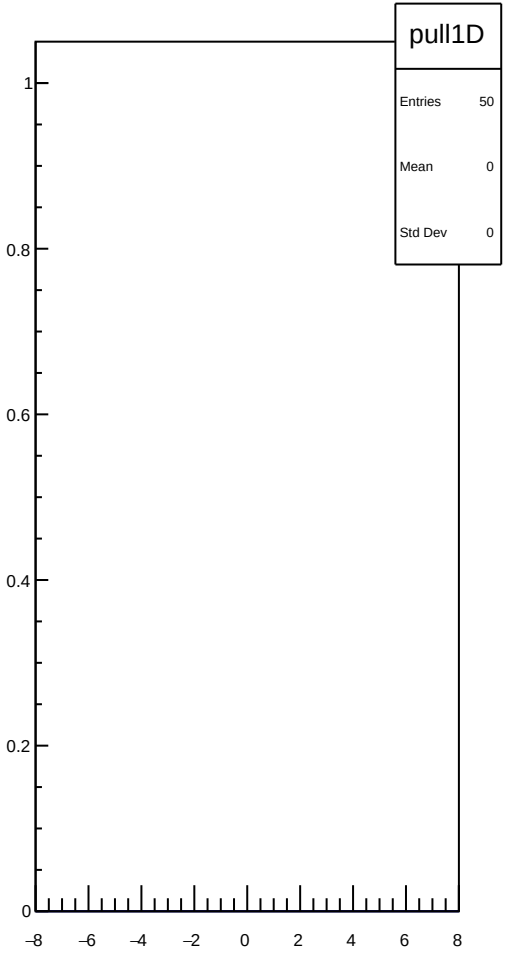

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil3_mean vs run
χ² / ndf 1.627e+37 / 49
p0 1408 ± 1.414e−16
pull
Entries 50
Mean −8.641e+08
Std Dev 8.641e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_atr1_coil3_err_mean vs run
χ² / ndf 1.71e+35 / 49
p0 129.9 ± 1.414e−16
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 50
Mean 6.847e+08
Std Dev 6.847e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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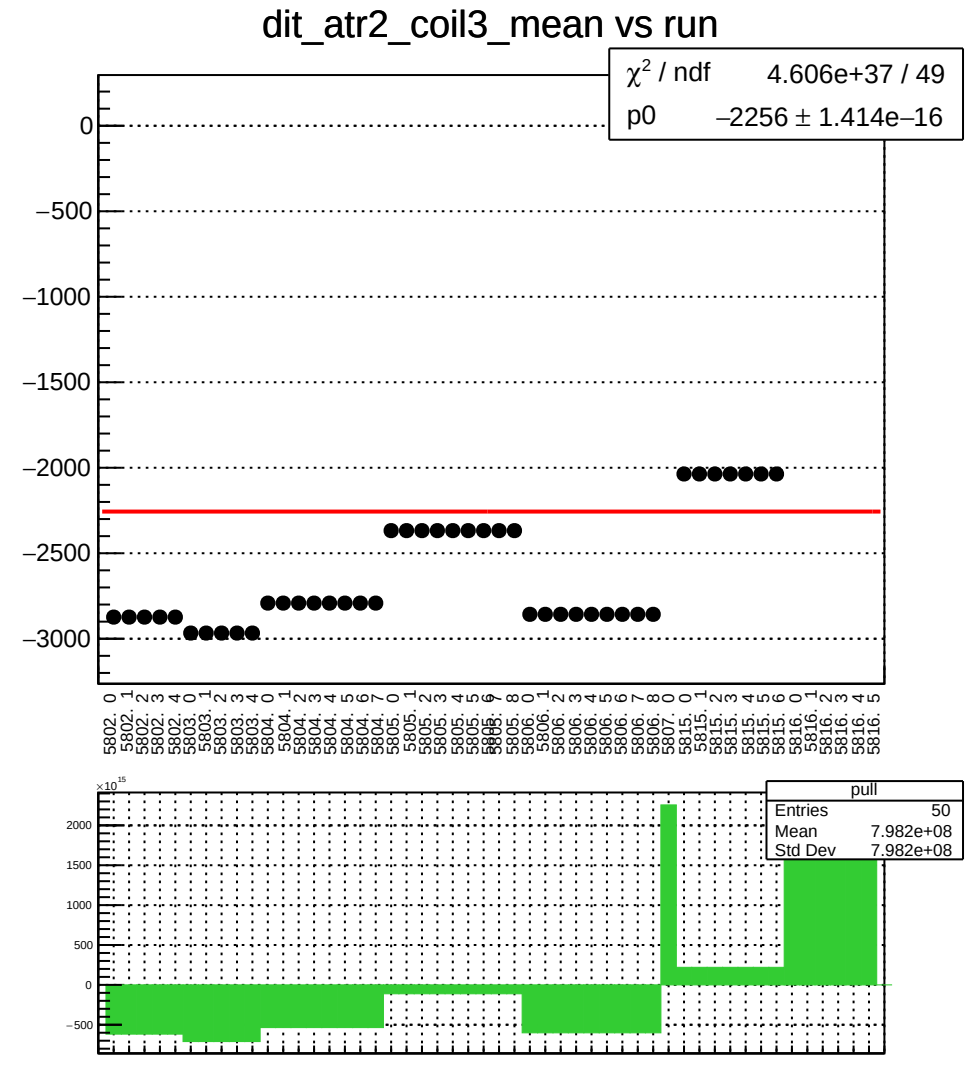
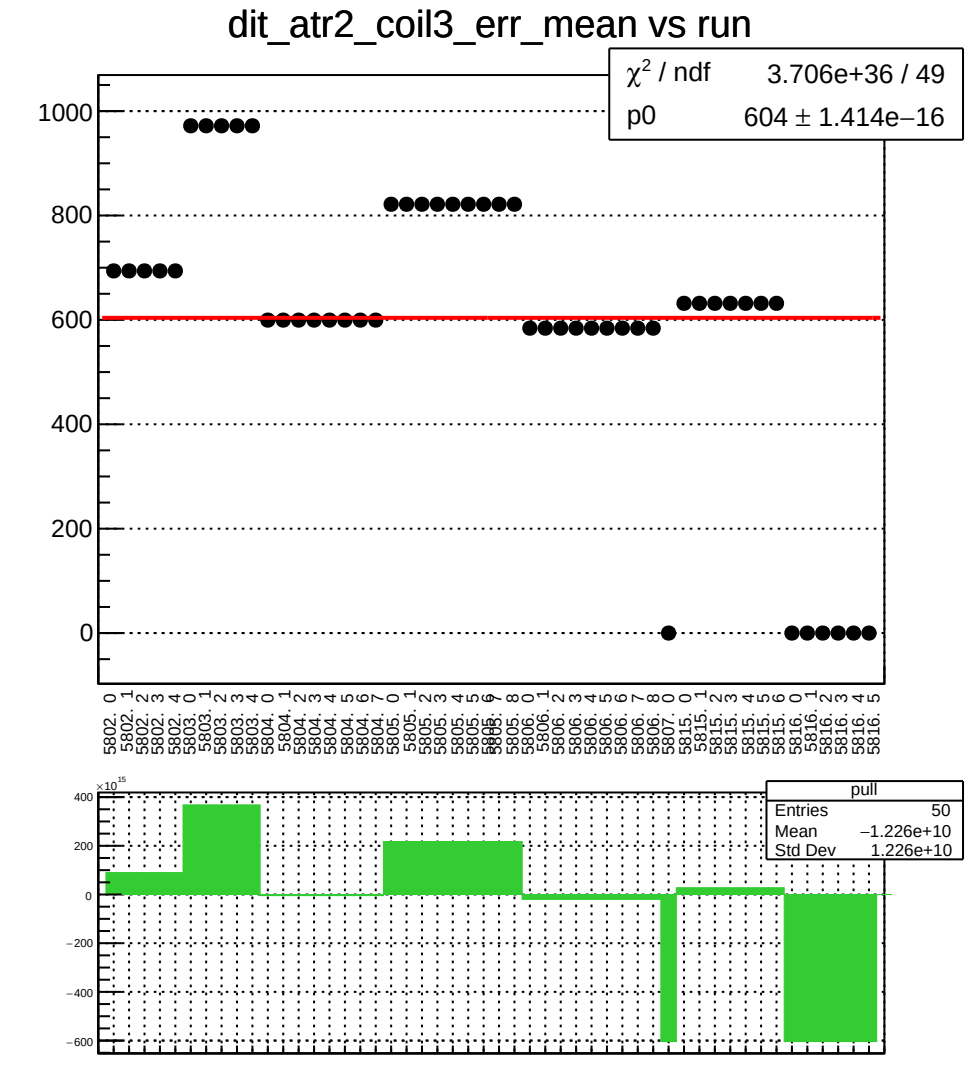
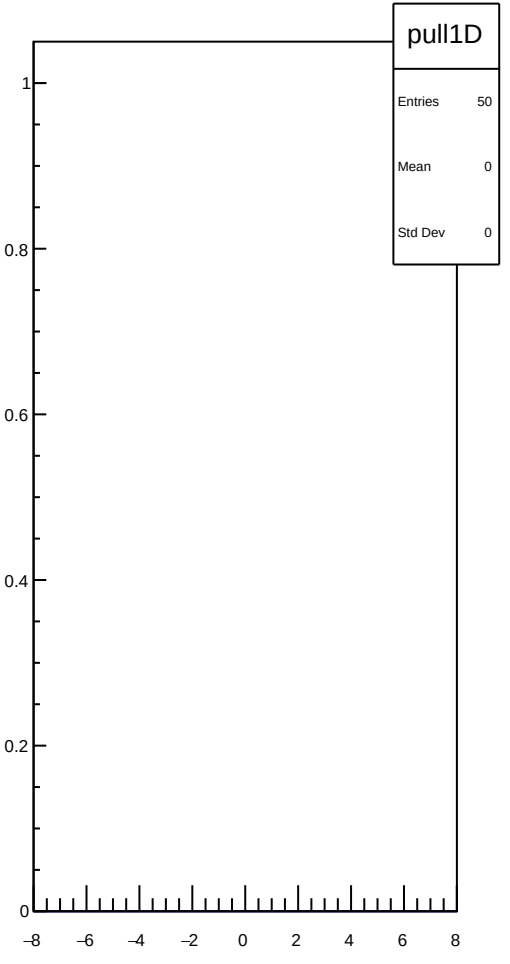
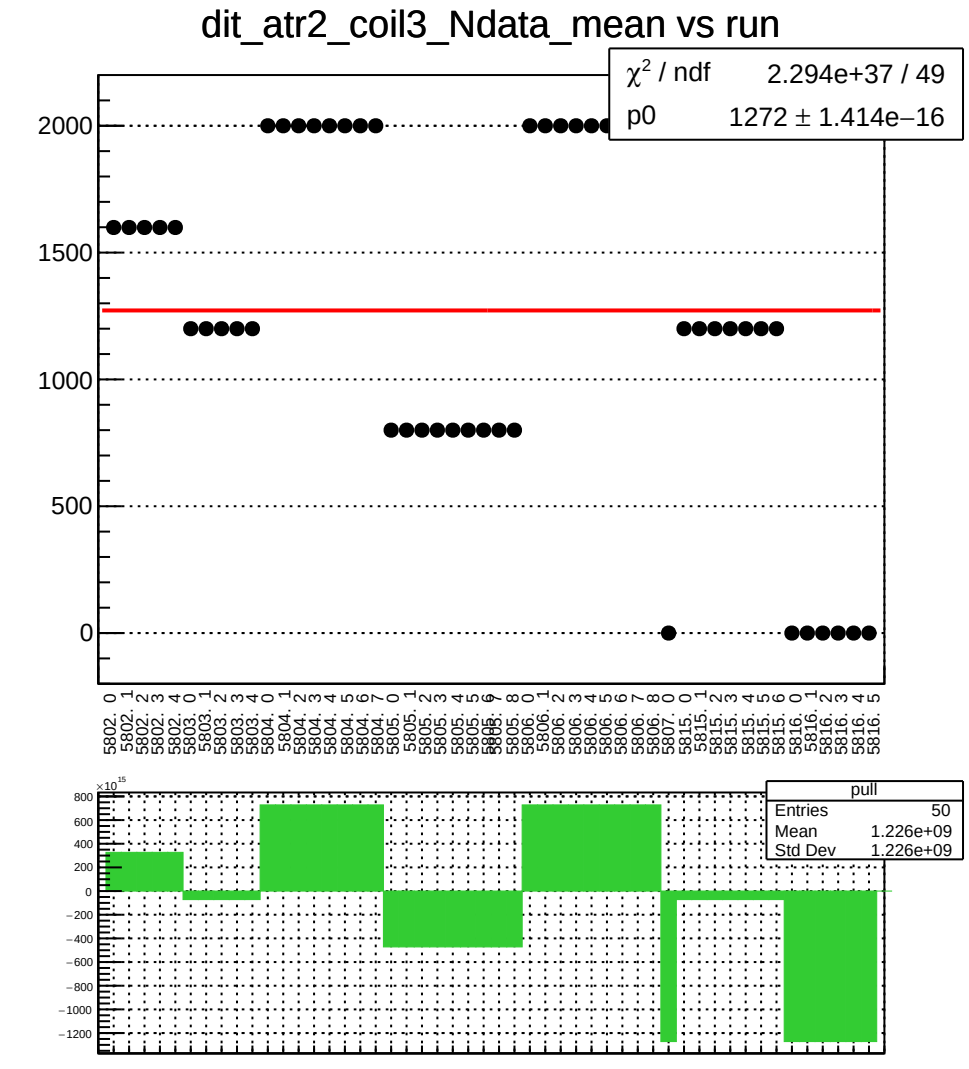
0
2
4
6
8


dit_atr2_coil3_mean vs run
χ² / ndf 4.606e+37 / 49
p0 −2256 ± 1.414e−16
0
−500
−1000
−1500
−2000
−2500
−3000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
2000
1500
1000
500
0
−500
pull
Entries 50
Mean 7.982e+08
Std Dev 7.982e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil3_err_mean vs run
χ² / ndf 3.706e+36 / 49
p0 604 ± 1.414e−16
1000
800
600
400
200
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 50
Mean −1.226e+10
Std Dev 1.226e+10


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
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5806. 2
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5807. 0
5815. 0
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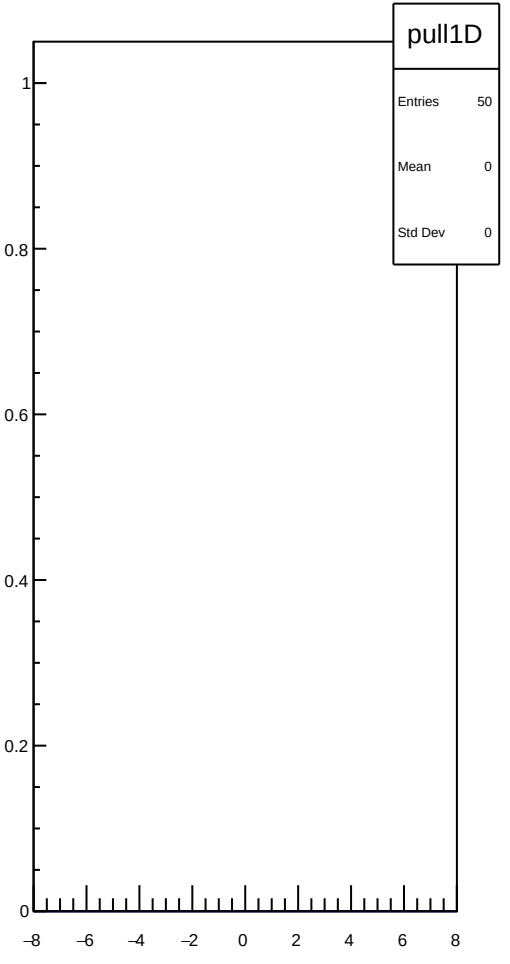
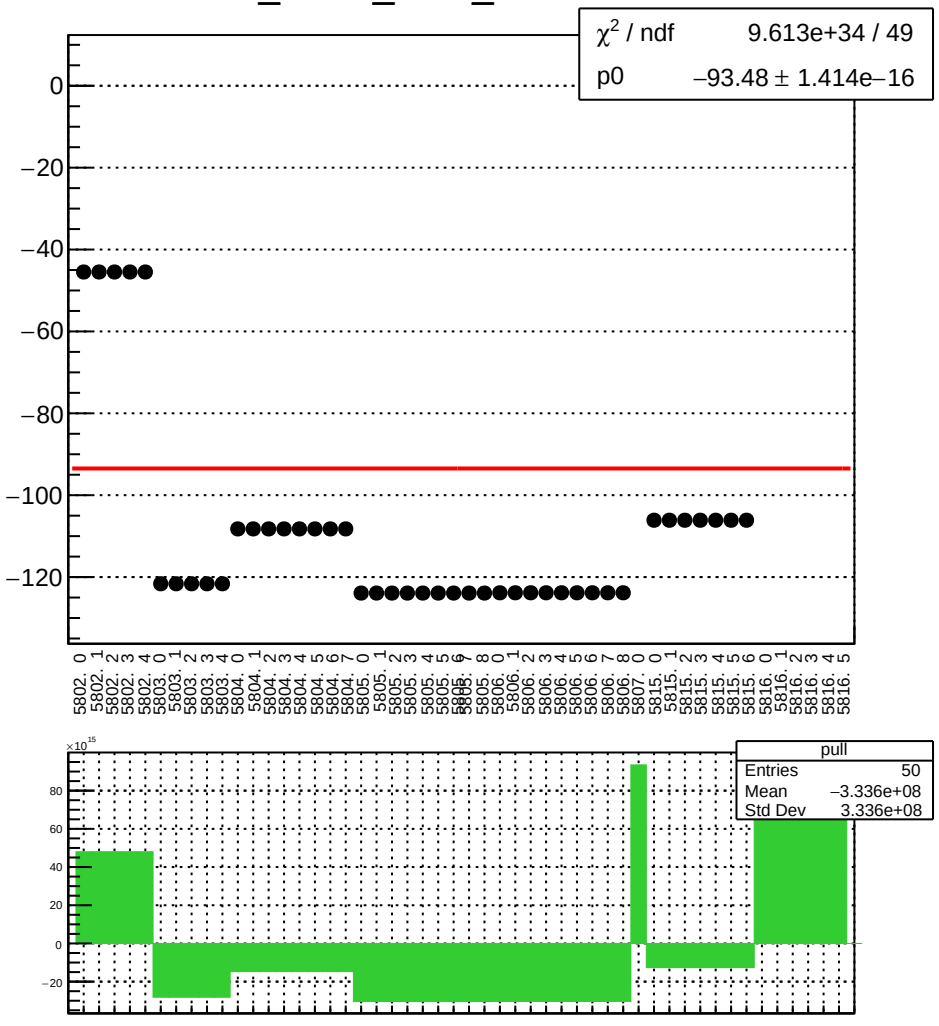
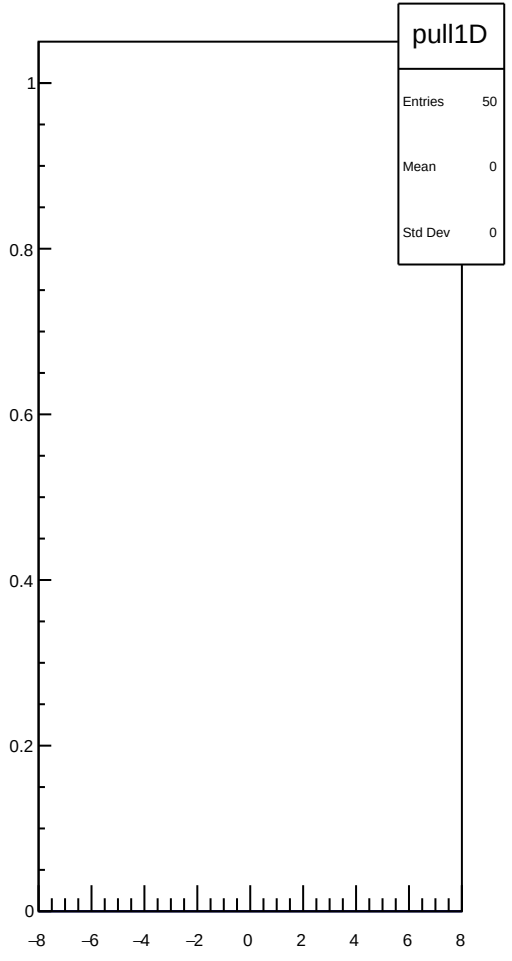
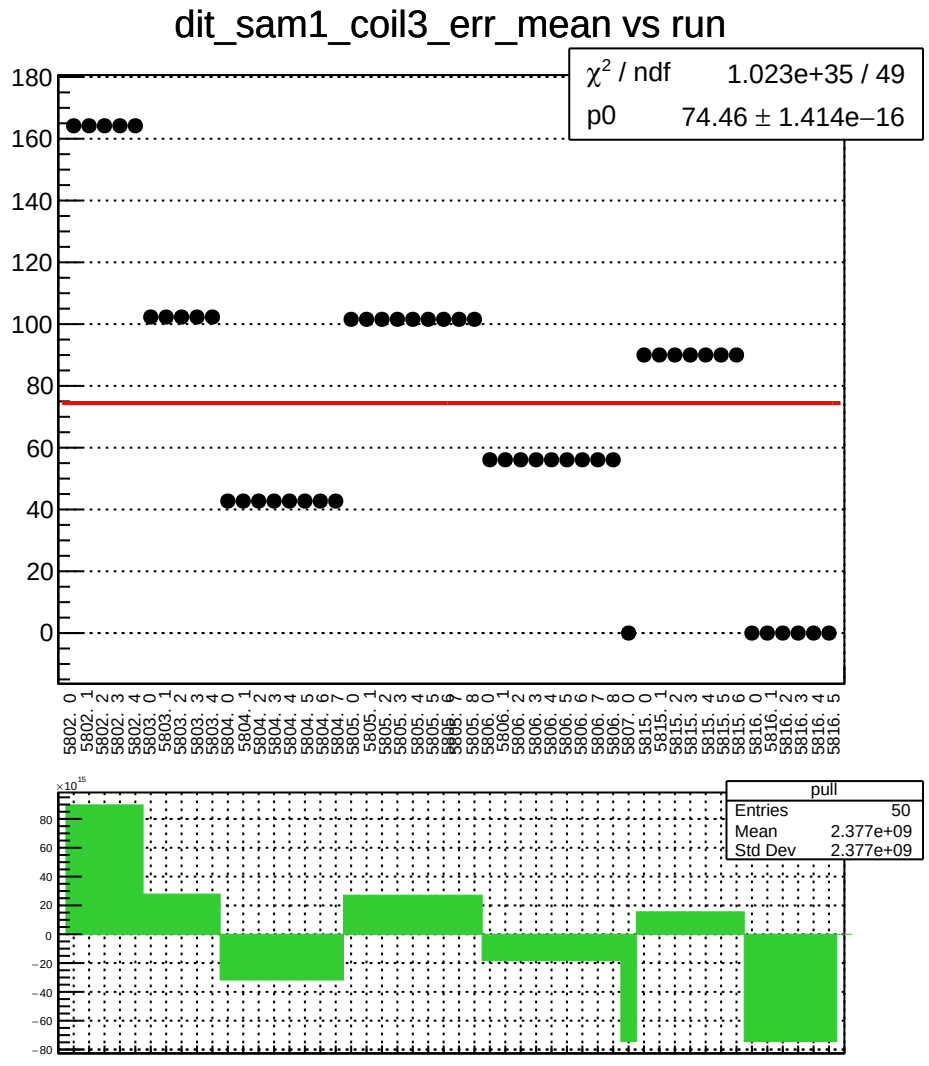
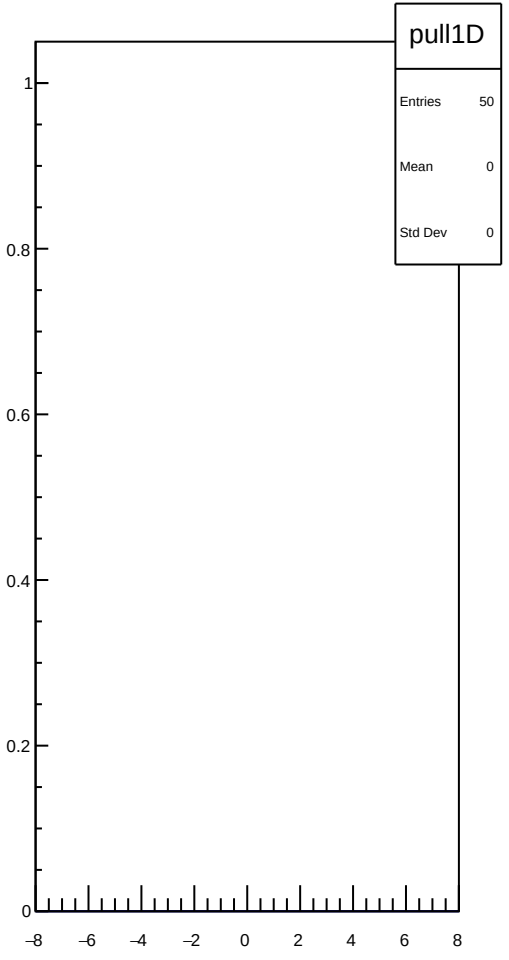
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09

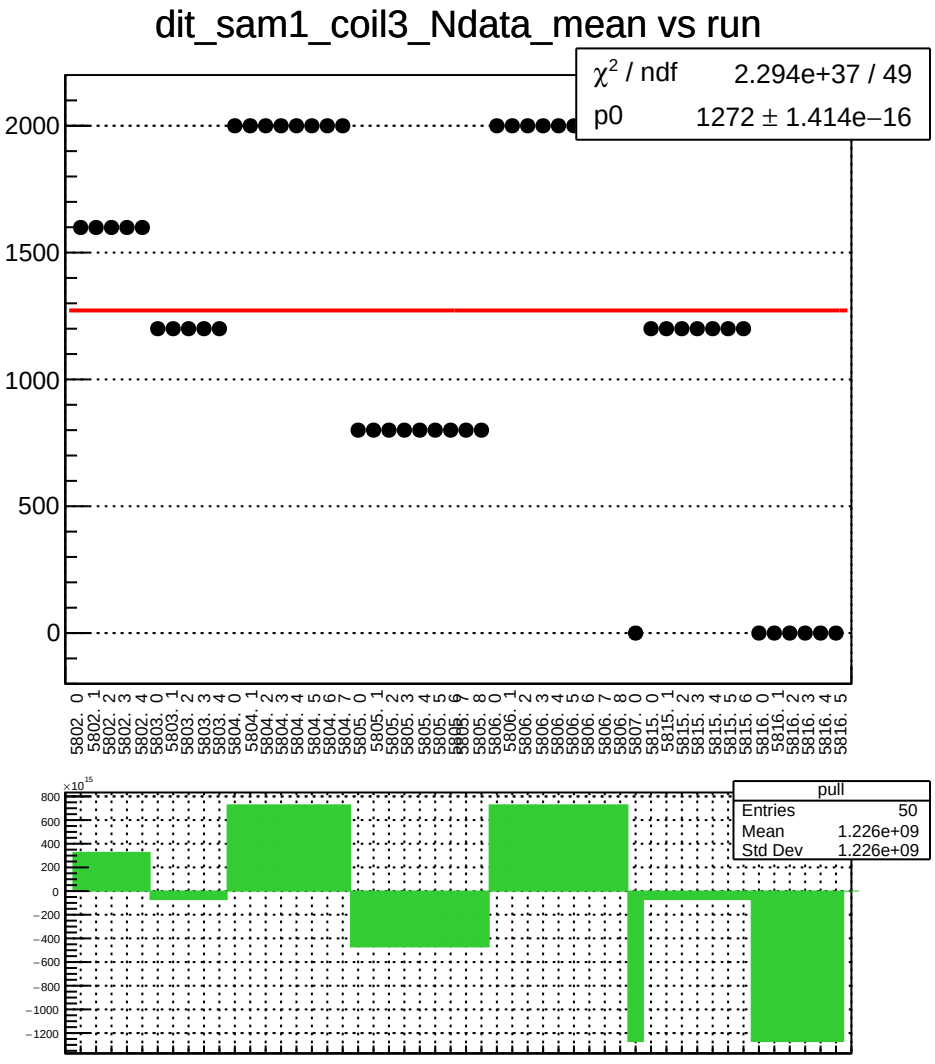

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

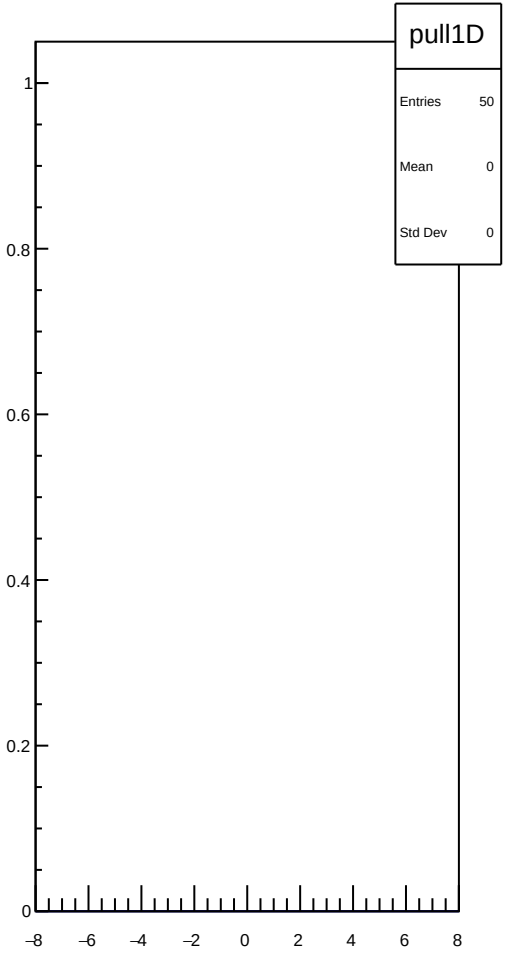

dit_sam1_coil3_mean vs run
χ² / ndf 9.613e+34 / 49
p0 −93.48 ± 1.414e−16
pull
Entries 50
Mean −3.336e+08
Std Dev 3.336e+08

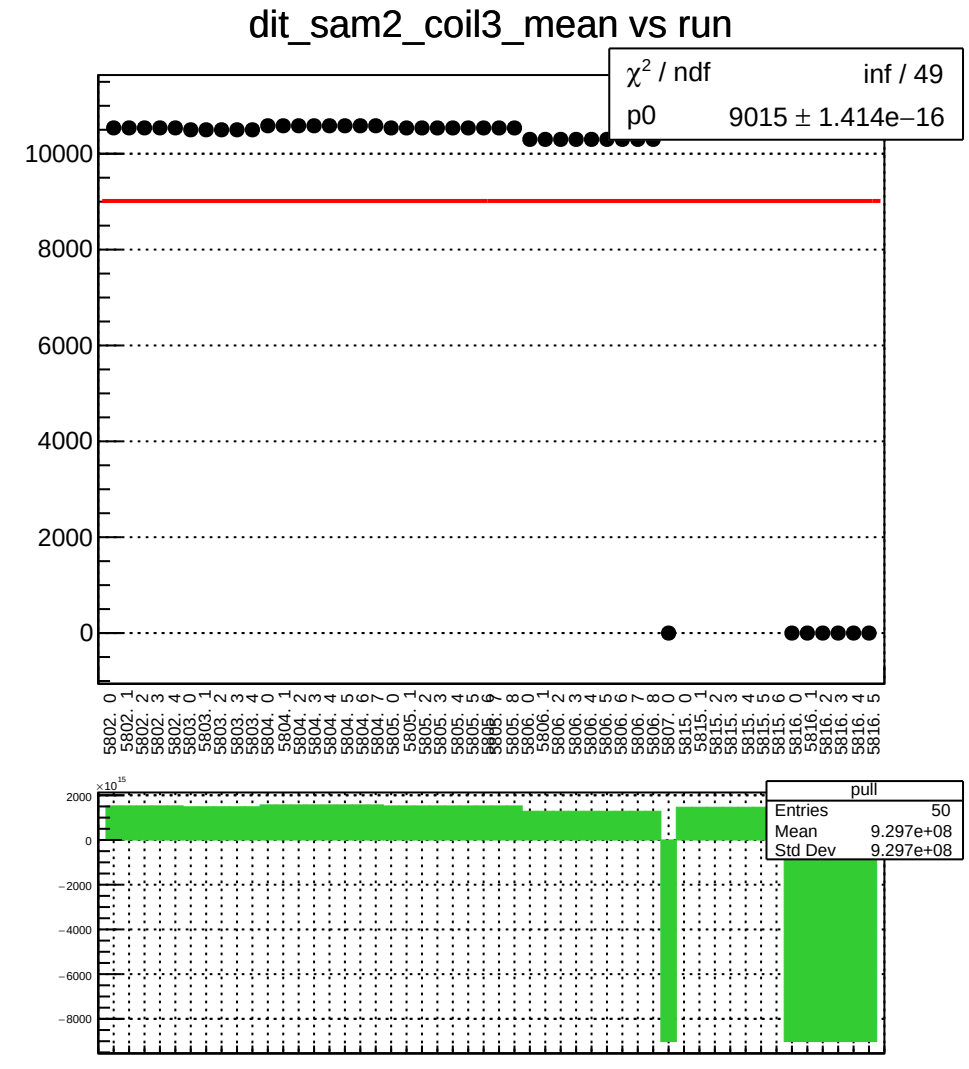

pull1D
Entries 50
Mean 0
Std Dev 0

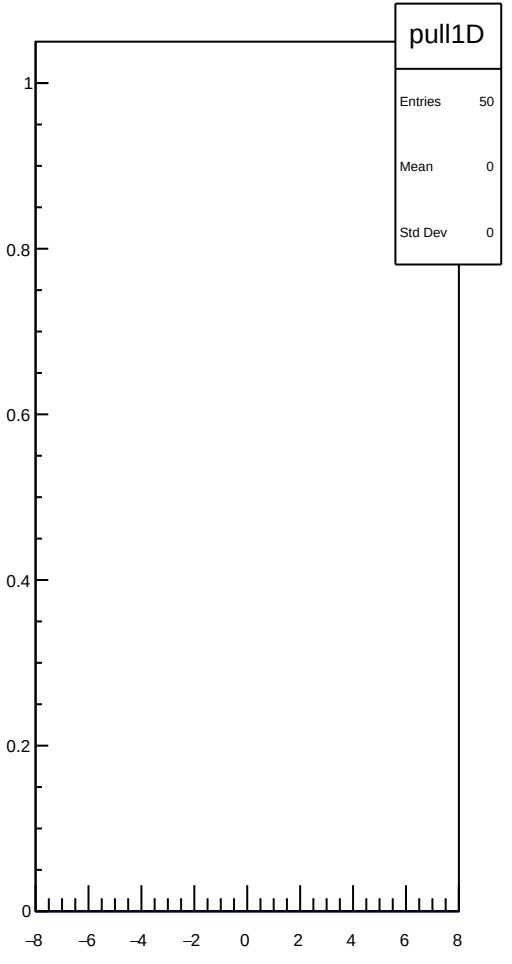

dit_sam1_coil3_err_mean vs run
χ² / ndf 1.023e+35 / 49
p0 74.46 ± 1.414e−16
pull
Entries 50
Mean 2.377e+09
Std Dev 2.377e+09

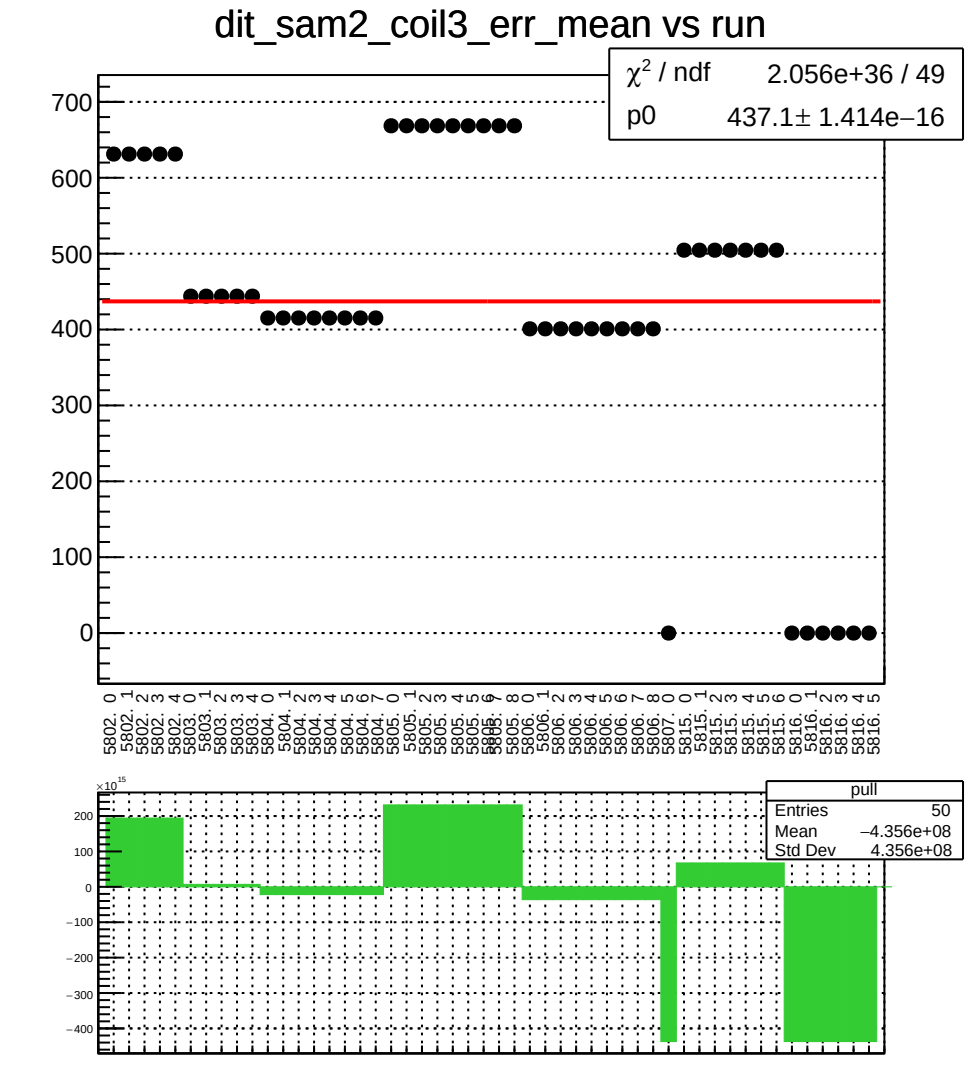

pull1D
Entries 50
Mean 0
Std Dev 0

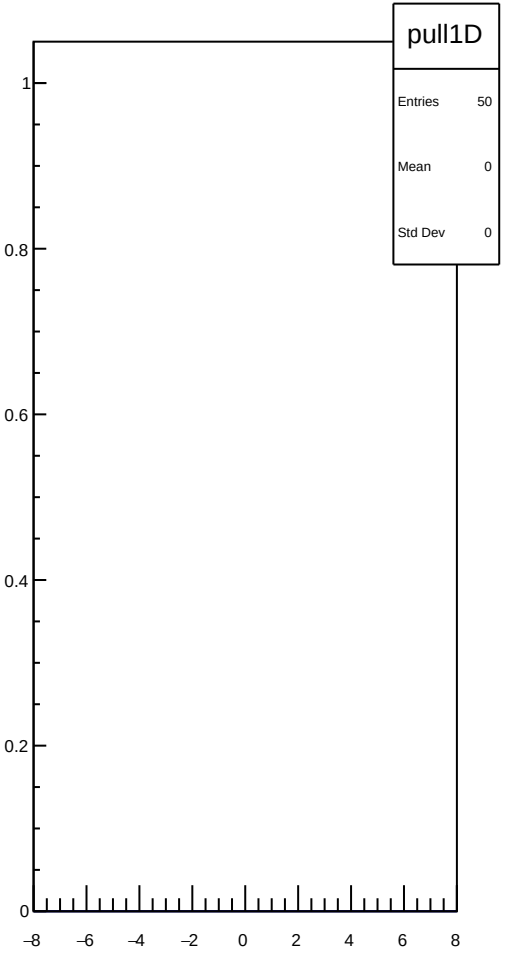

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09

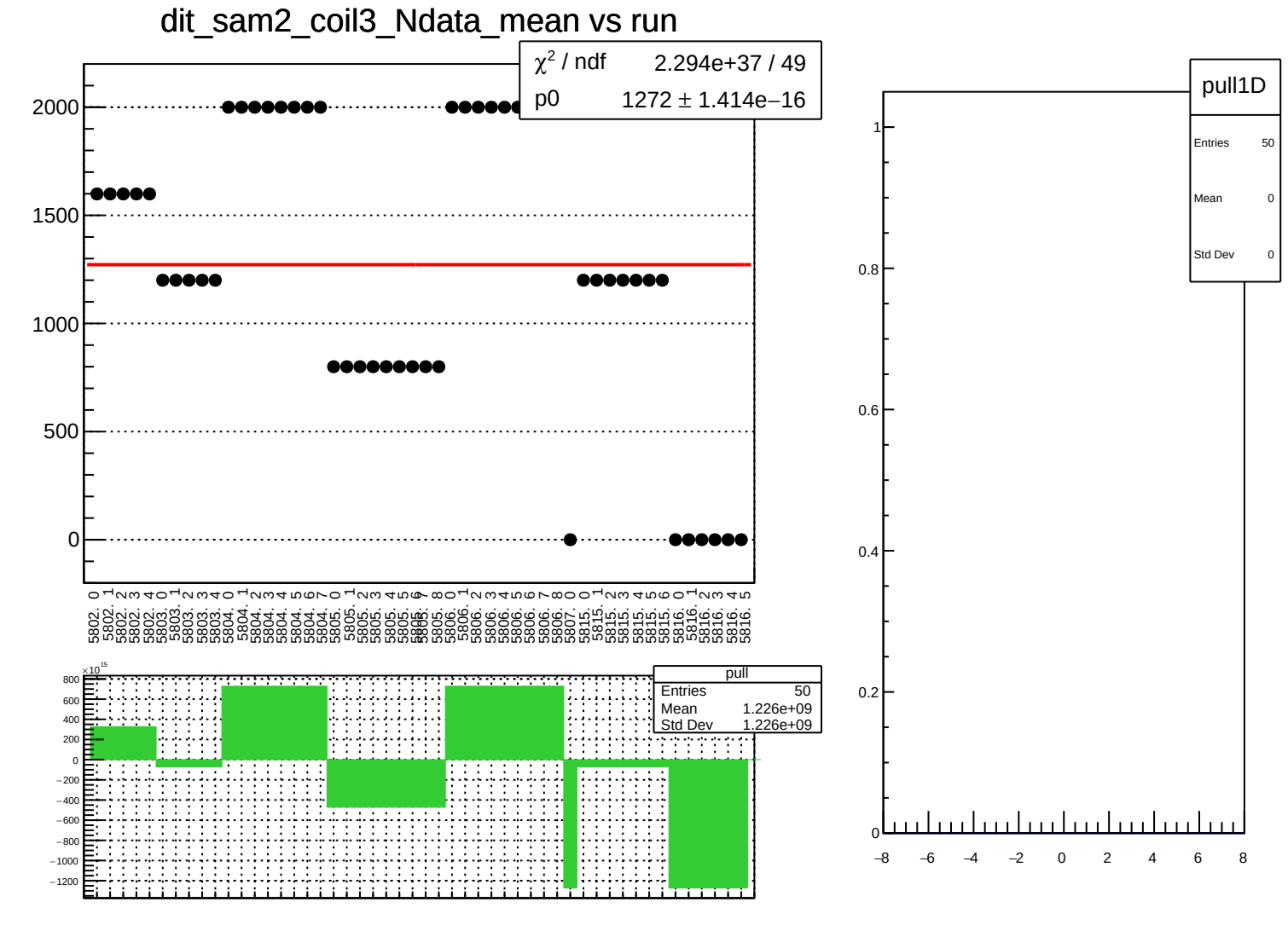

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

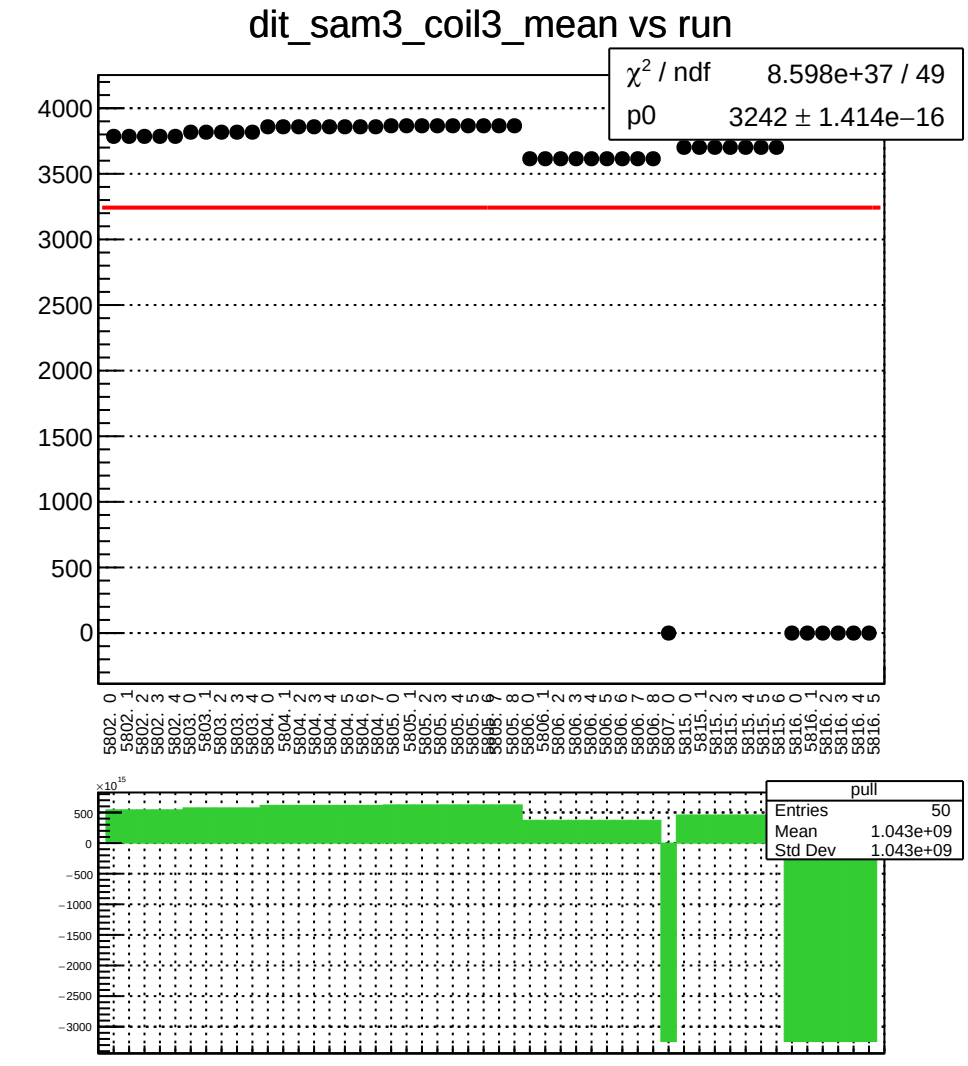

dit_sam2_coil3_mean vs run
χ² / ndf inf / 49
p0 9015 ± 1.414e−16
10000
8000
6000
4000
2000
0
pull
Entries 50
Mean 9.297e+08
Std Dev 9.297e+08
×10¹⁵
2000
0
−2000
−4000
−6000
−8000

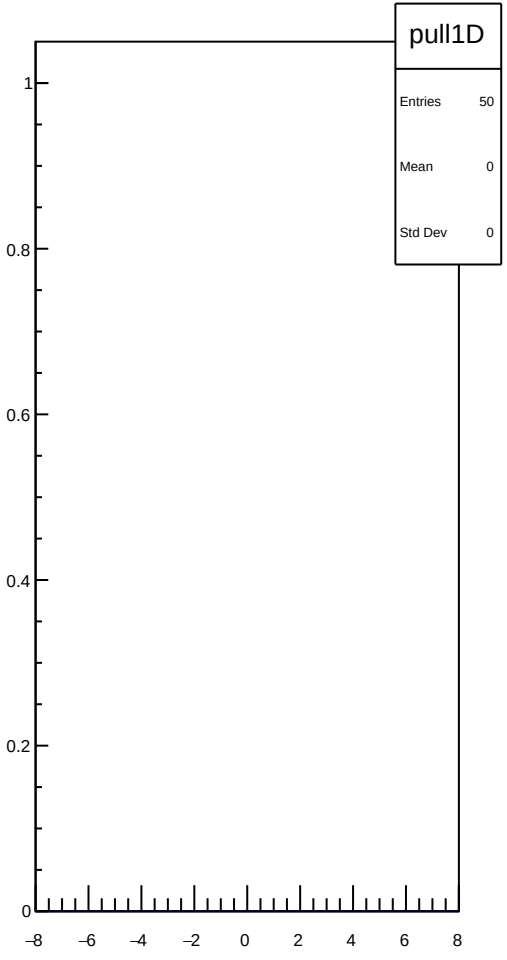

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

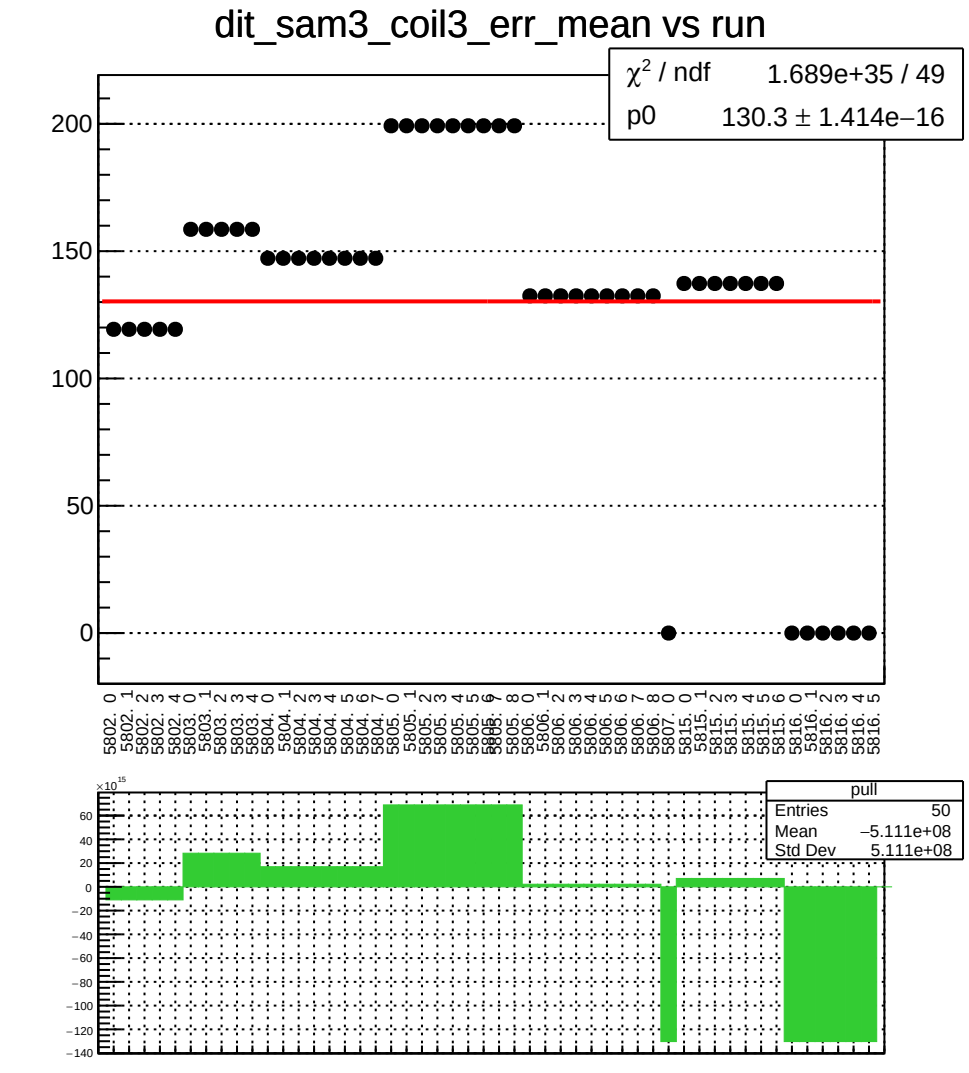

dit_sam2_coil3_err_mean vs run
χ² / ndf 2.056e+36 / 49
p0 437.1± 1.414e−16
pull
Entries 50
Mean −4.356e+08
Std Dev 4.356e+08

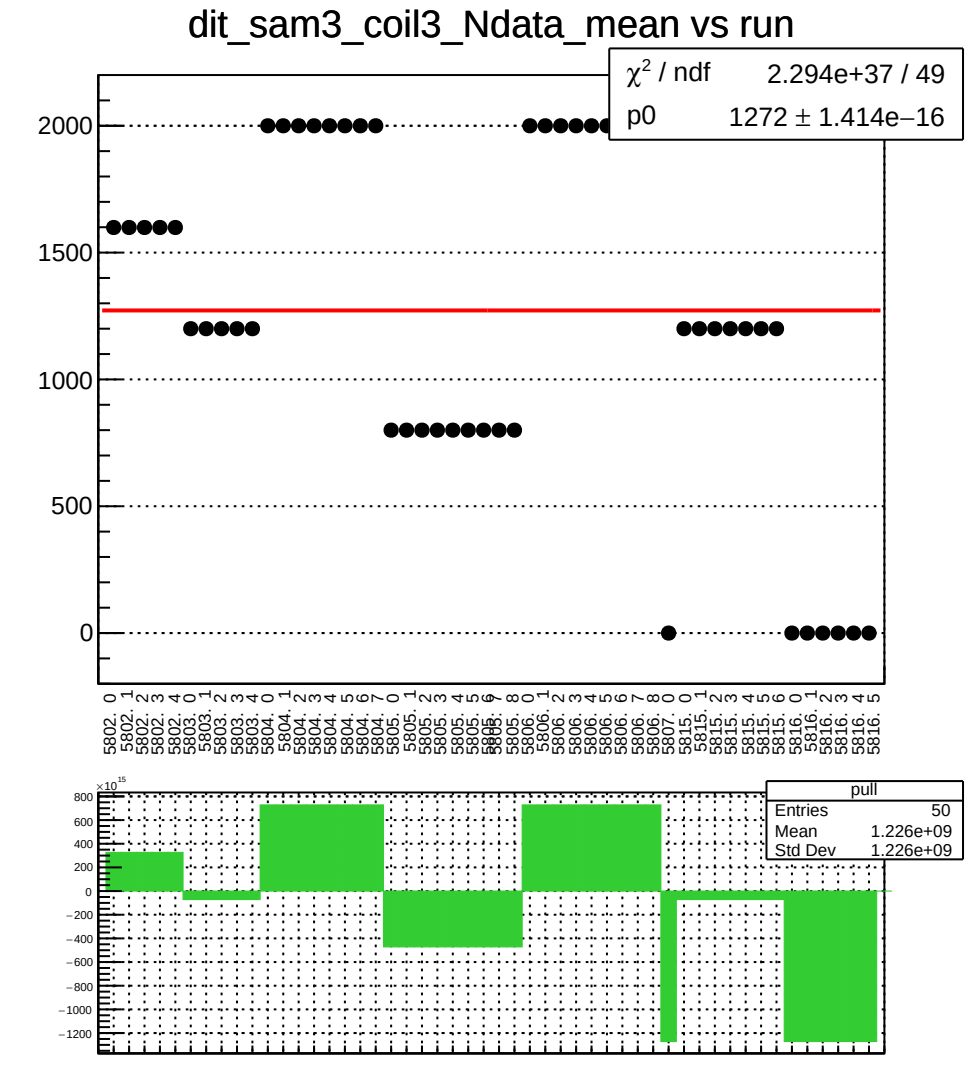

pull1D
Entries 50
Mean 0
Std Dev 0

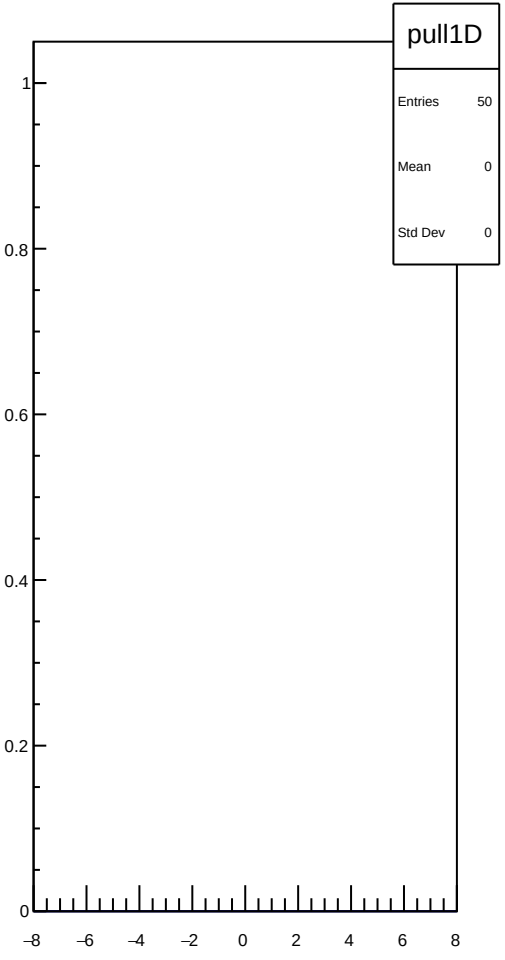

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

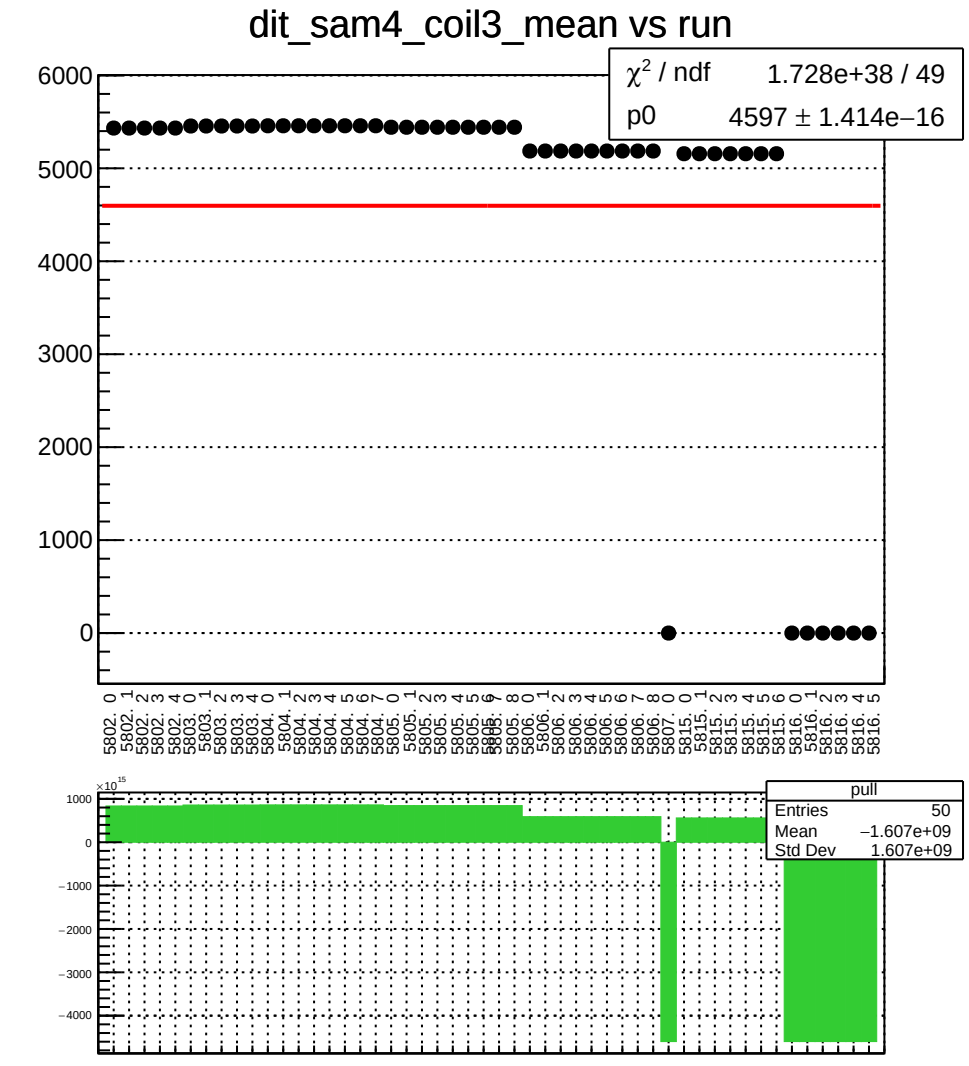

dit_sam3_coil3_mean vs run
χ² / ndf 8.598e+37 / 49
p0 3242 ± 1.414e−16
4000
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 1.043e+09
Std Dev 1.043e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000

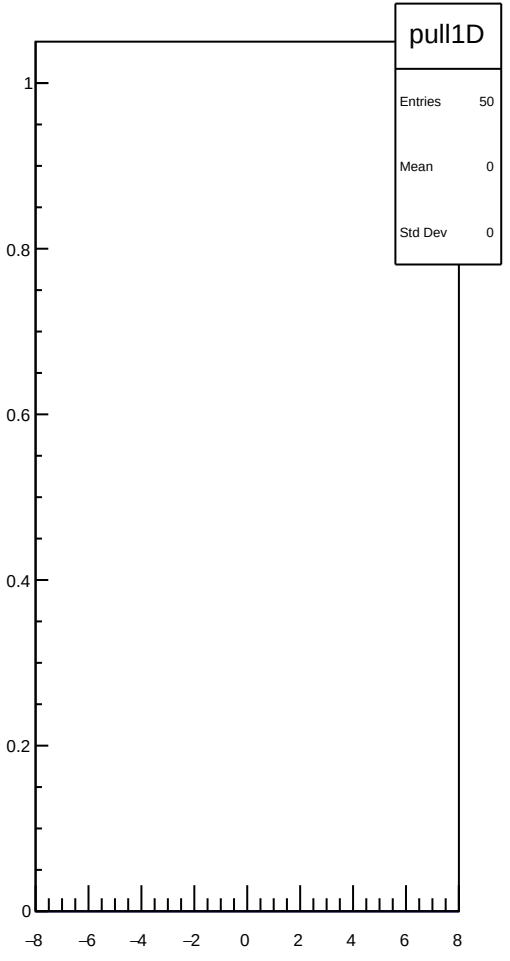

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

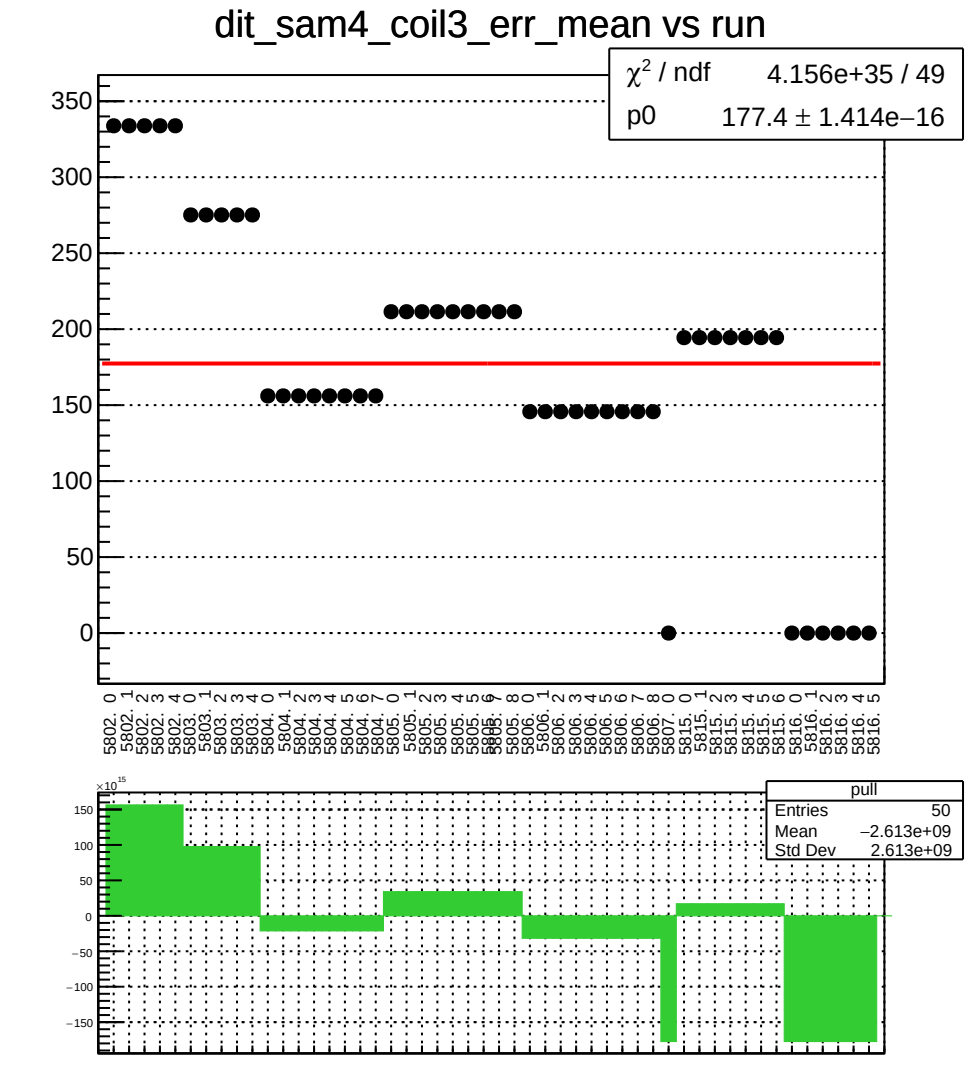

dit_sam3_coil3_err_mean vs run
χ² / ndf 1.689e+35 / 49
p0 130.3 ± 1.414e−16
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
pull
Entries 50
Mean −5.111e+08
Std Dev 5.111e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

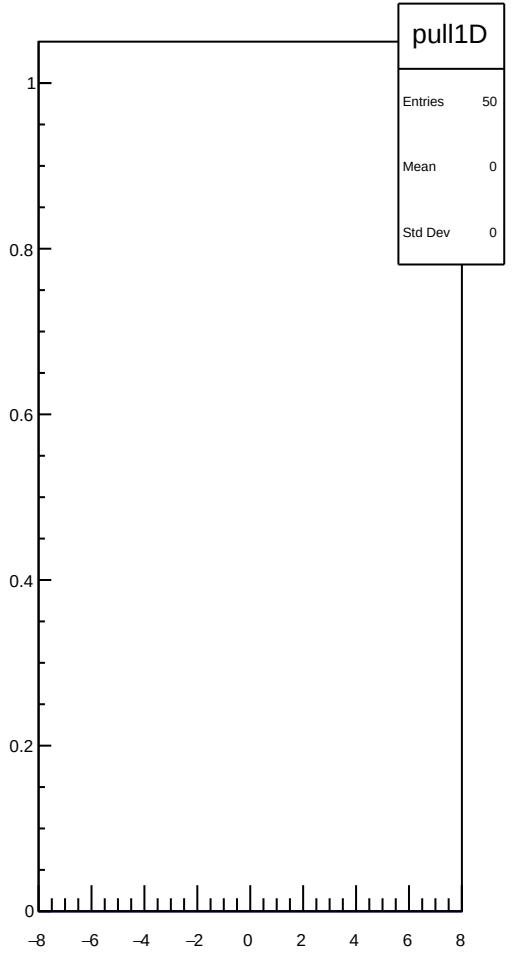

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09

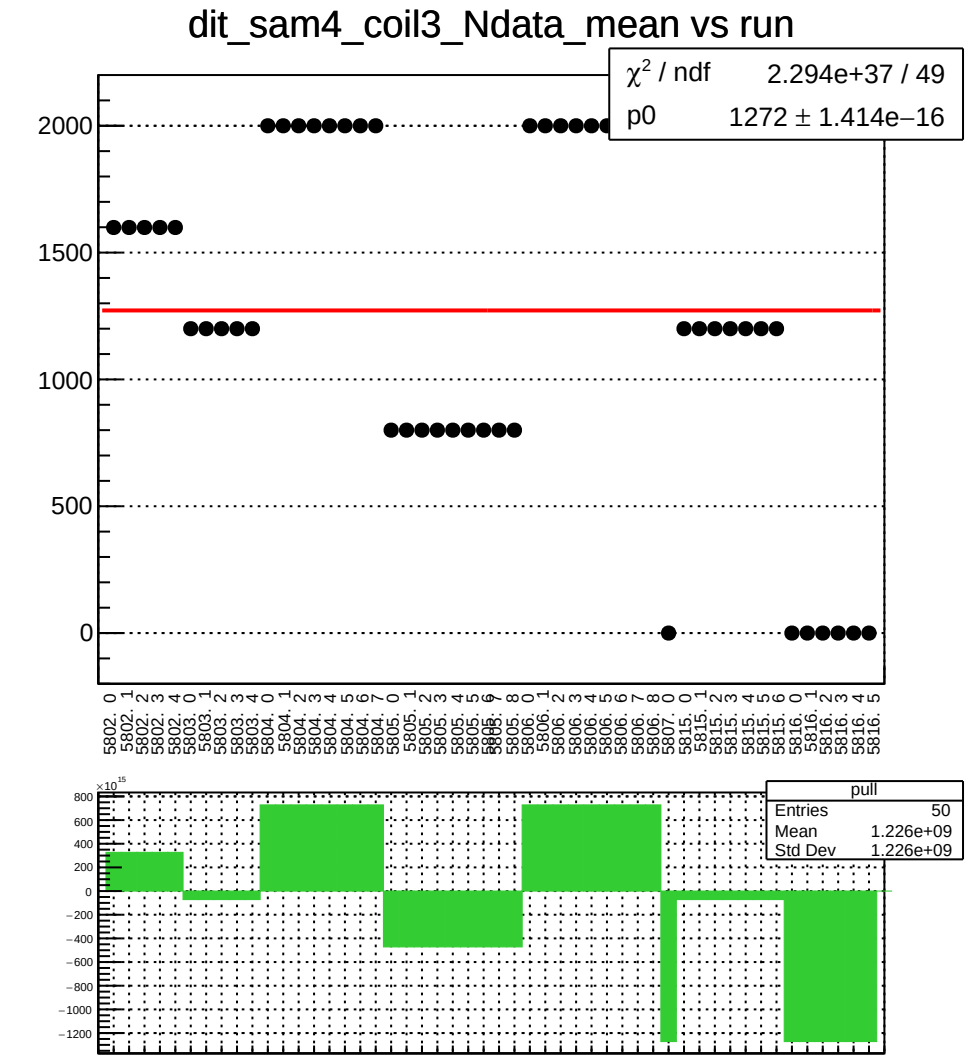

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

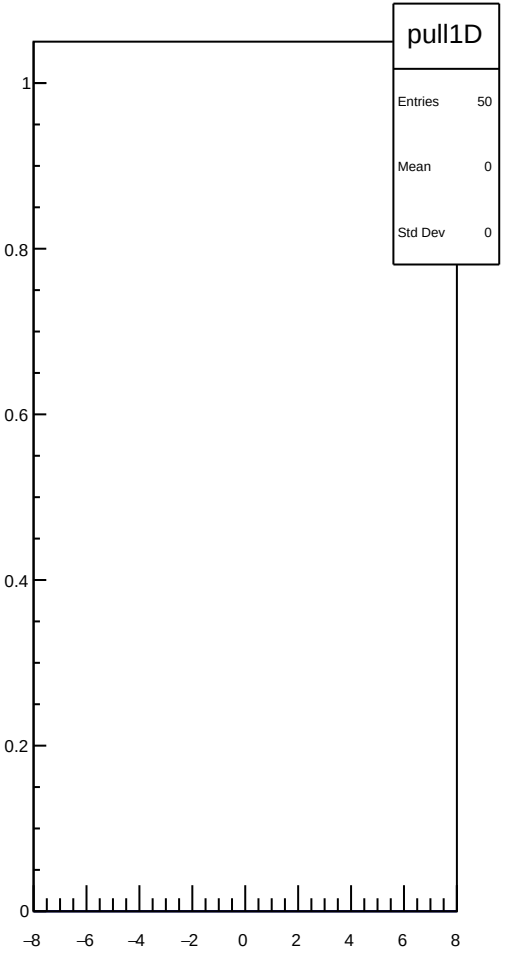

dit_sam4_coil3_mean vs run
χ² / ndf 1.728e+38 / 49
p0 4597 ± 1.414e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 50
Mean −1.607e+09
Std Dev 1.607e+09
×10¹⁵
1000
0
−1000
−2000
−3000
−4000

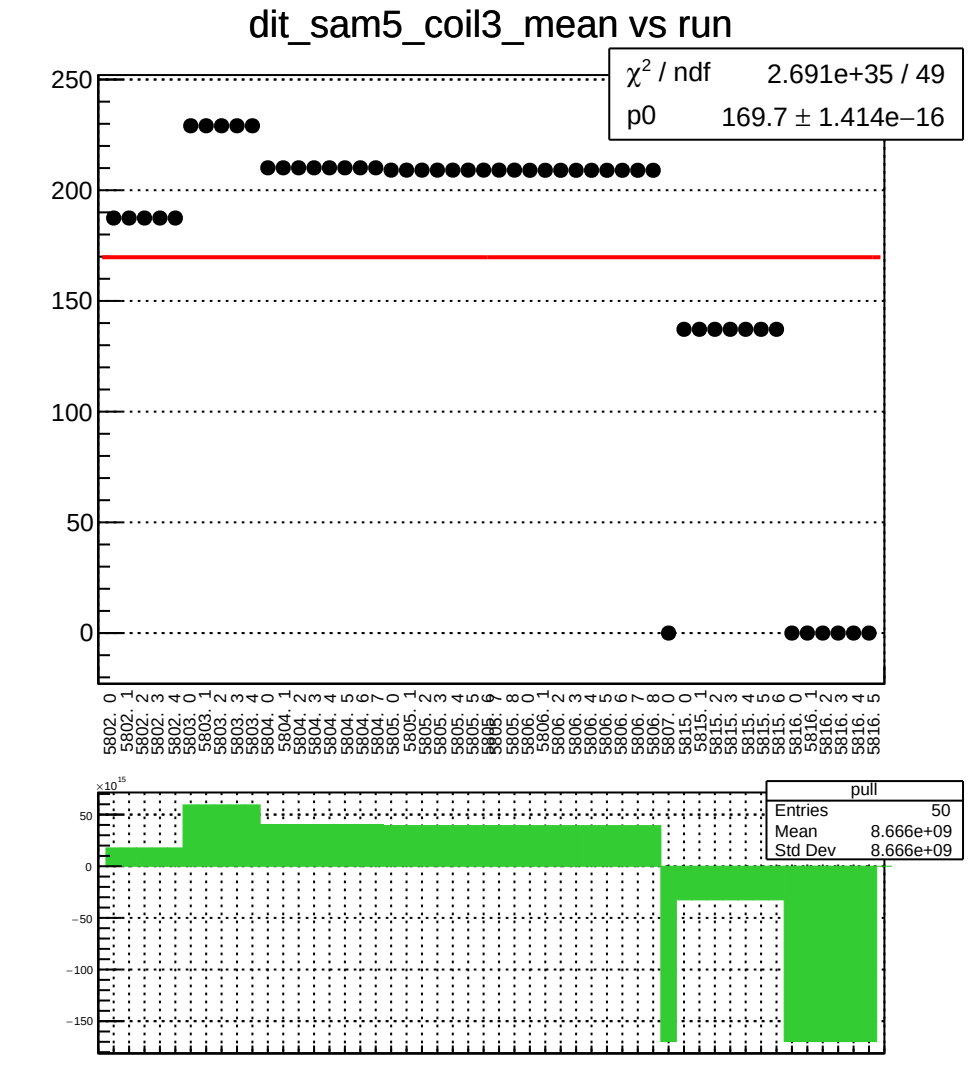

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

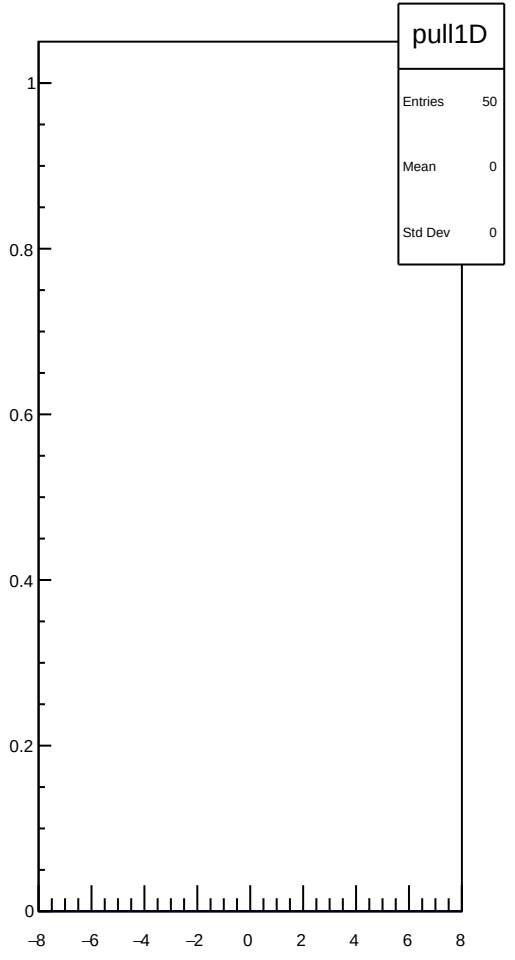

dit_sam4_coil3_err_mean vs run
χ² / ndf 4.156e+35 / 49
p0 177.4 ± 1.414e−16
pull
Entries 50
Mean −2.613e+09
Std Dev 2.613e+09

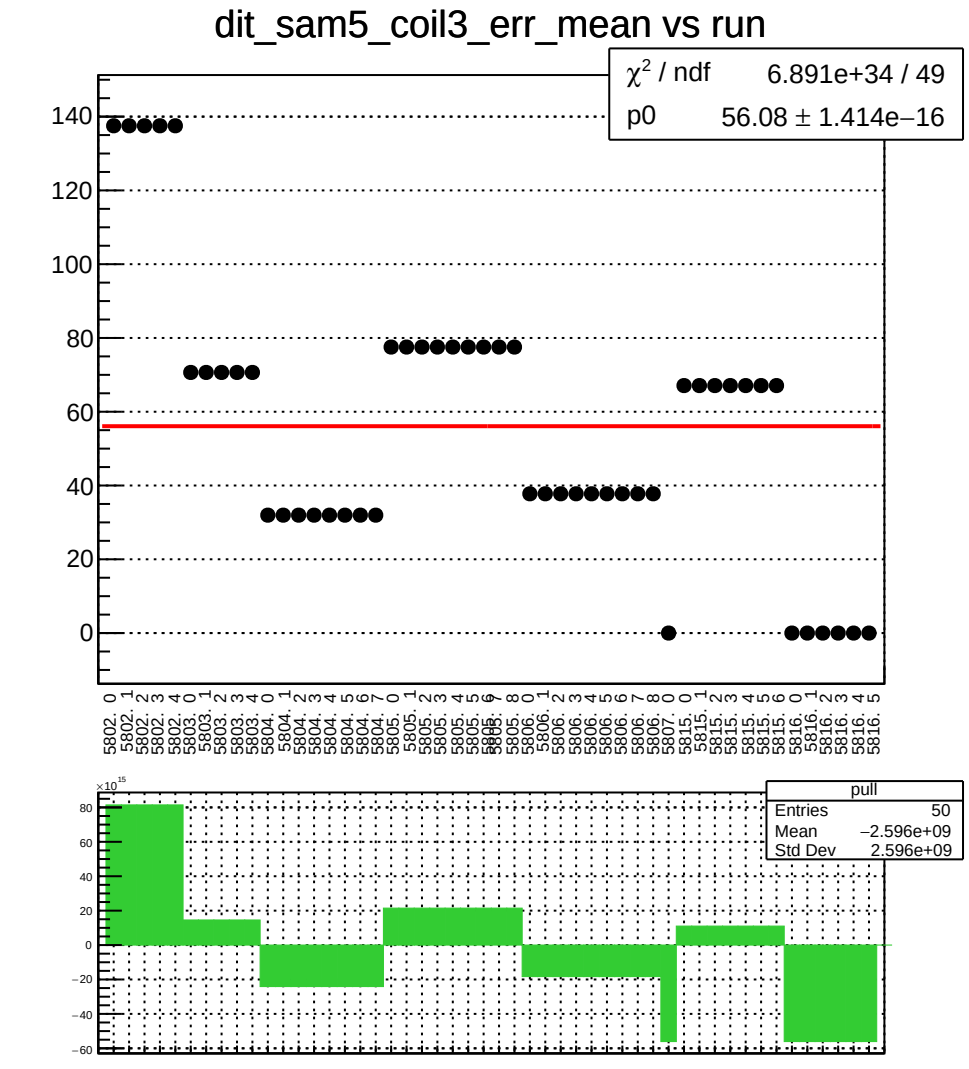

pull1D
Entries 50
Mean 0
Std Dev 0

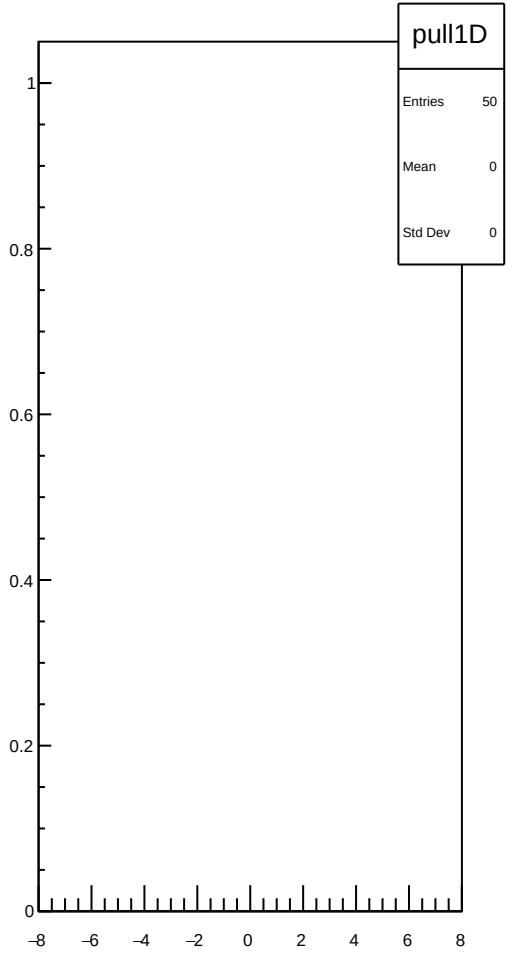

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

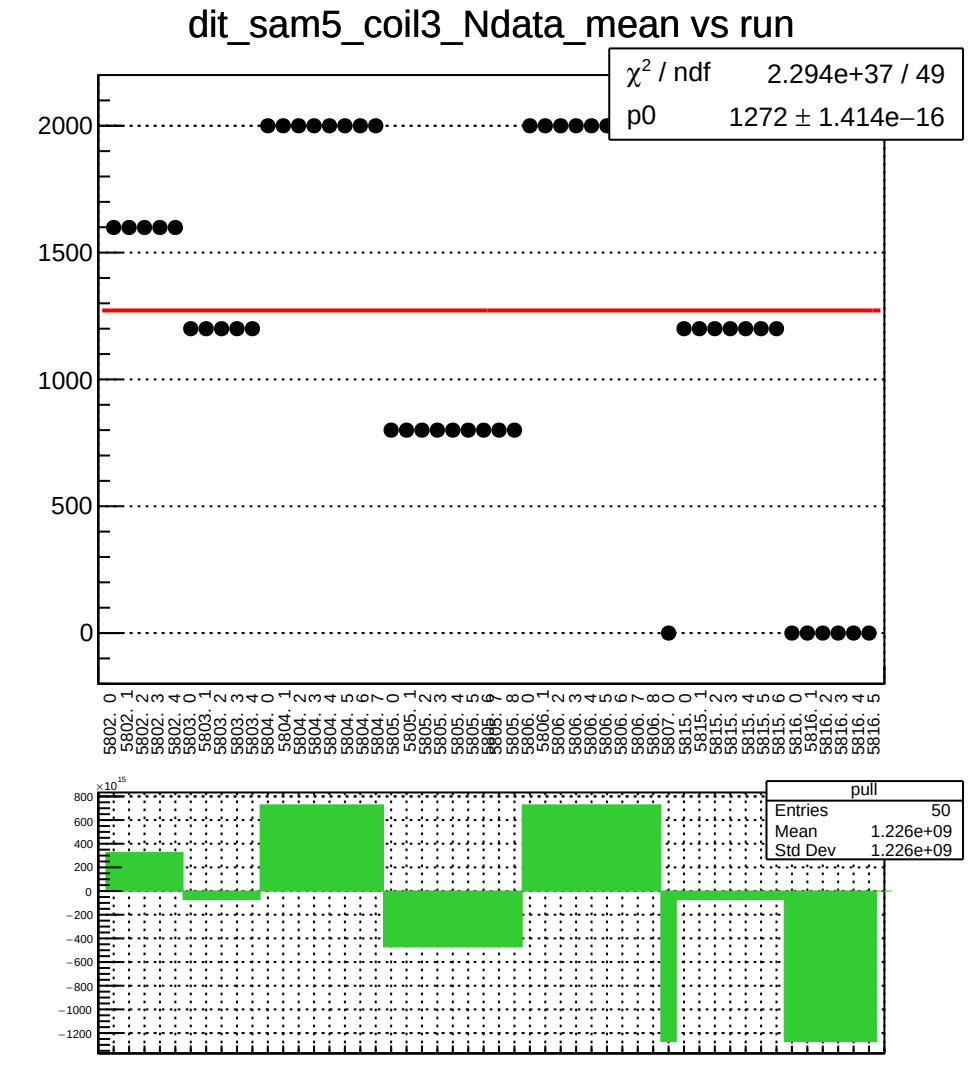

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

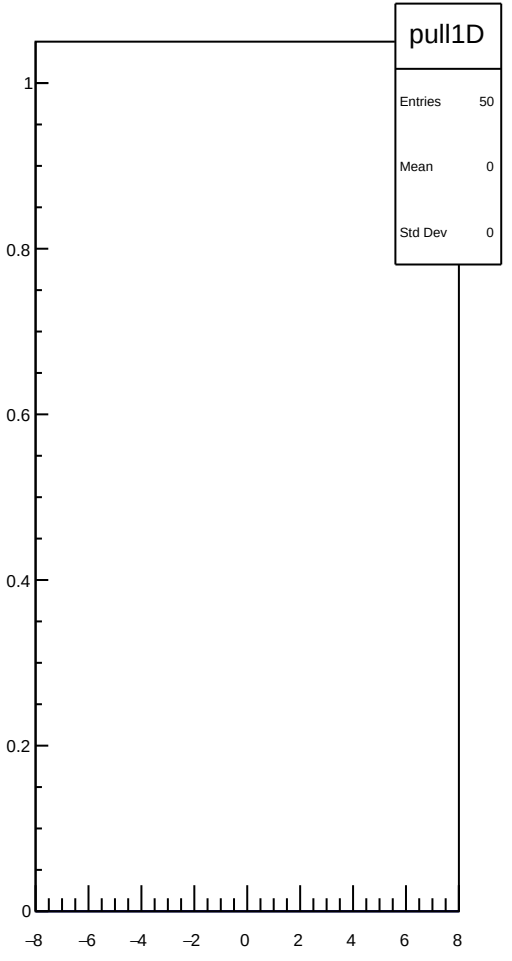

dit_sam5_coil3_mean vs run
χ² / ndf 2.691e+35 / 49
p0 169.7 ± 1.414e−16
250
200
150
100
50
0
pull
Entries 50
Mean 8.666e+09
Std Dev 8.666e+09
×10¹⁵
50
0
−50
−100
−150

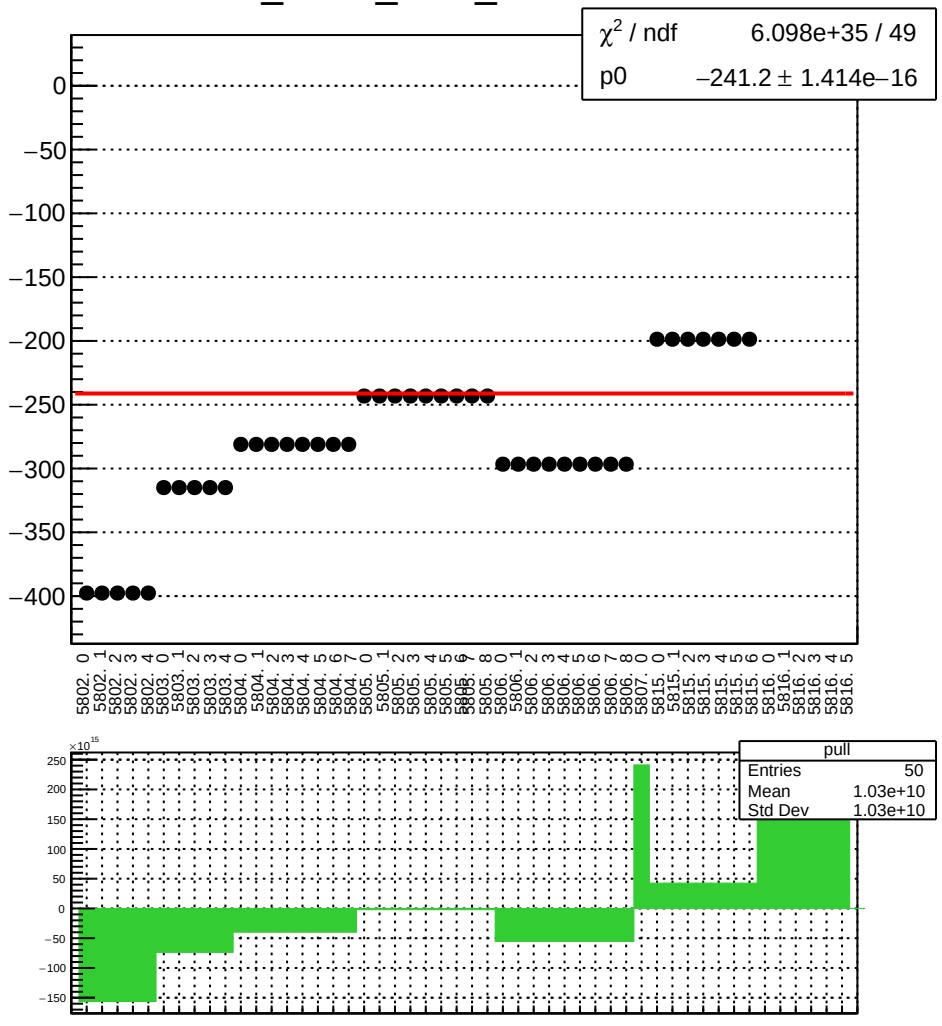

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

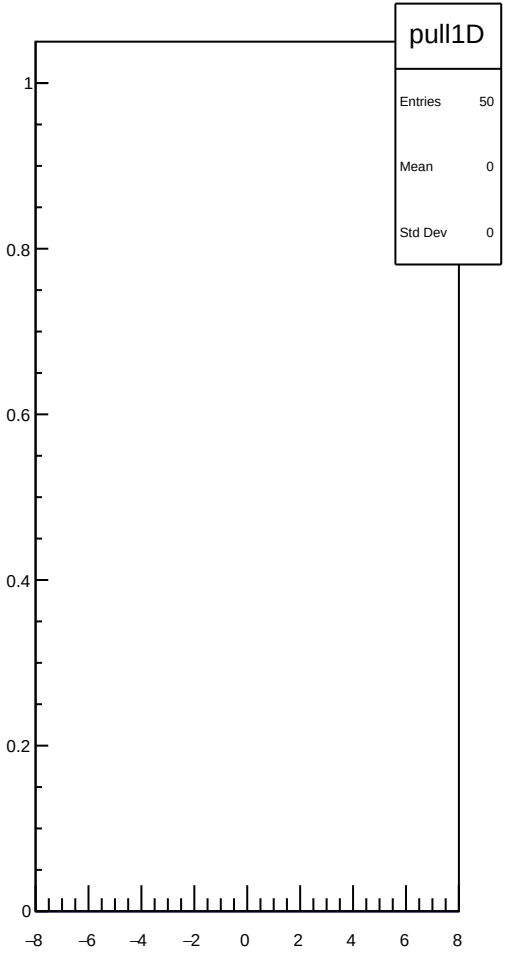

dit_sam5_coil3_err_mean vs run
χ² / ndf 6.891e+34 / 49
p0 56.08 ± 1.414e−16
pull
Entries 50
Mean −2.596e+09
Std Dev 2.596e+09

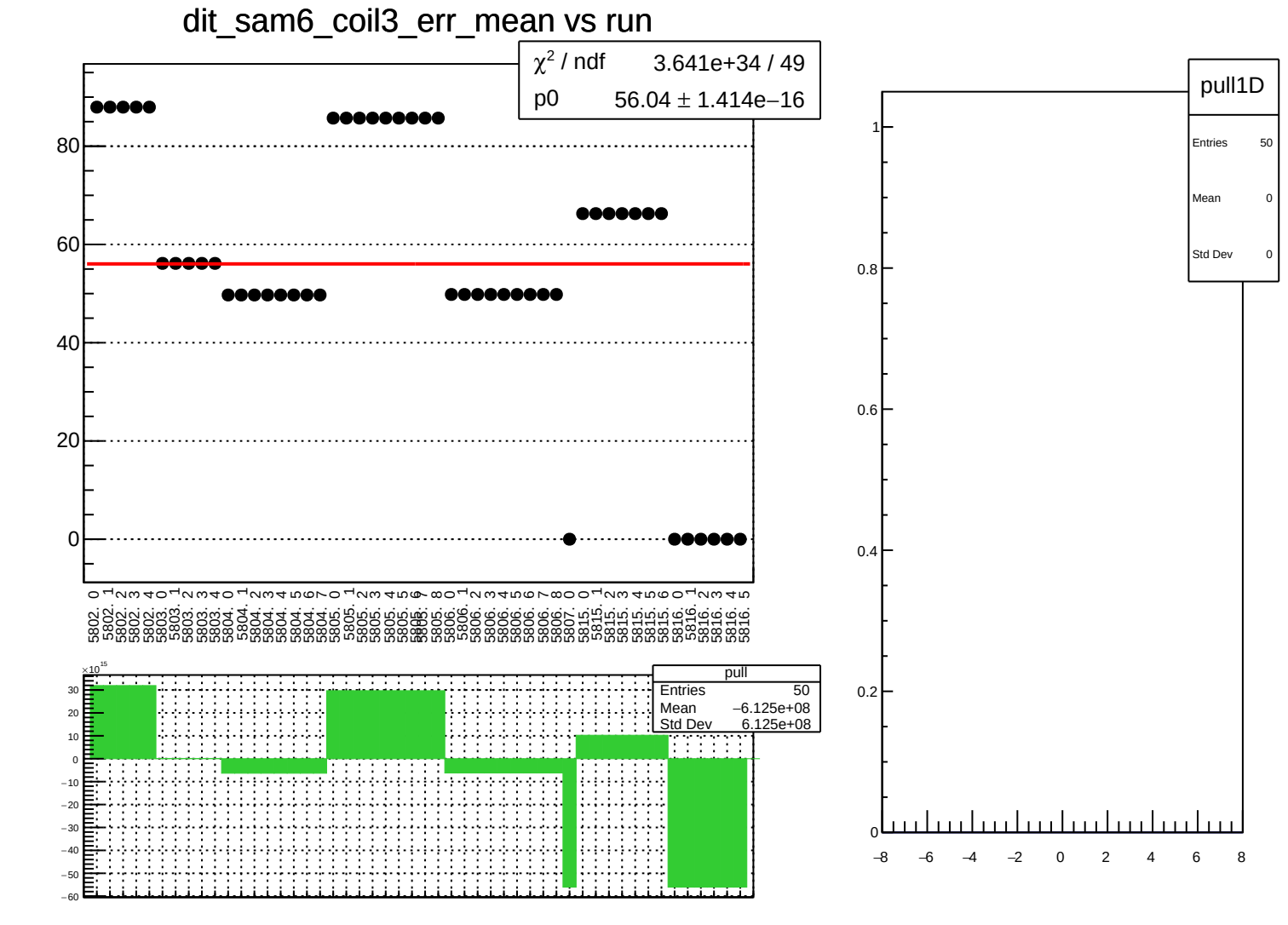

pull1D
Entries 50
Mean 0
Std Dev 0

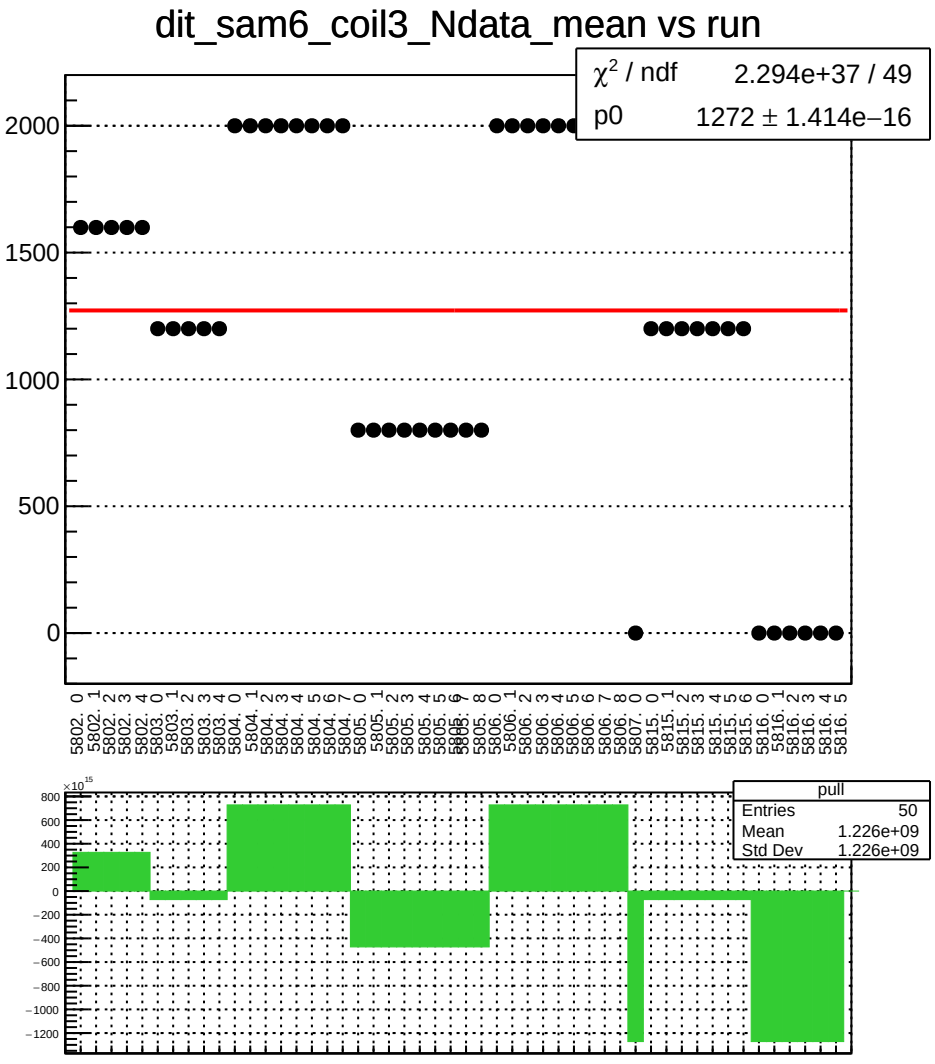

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

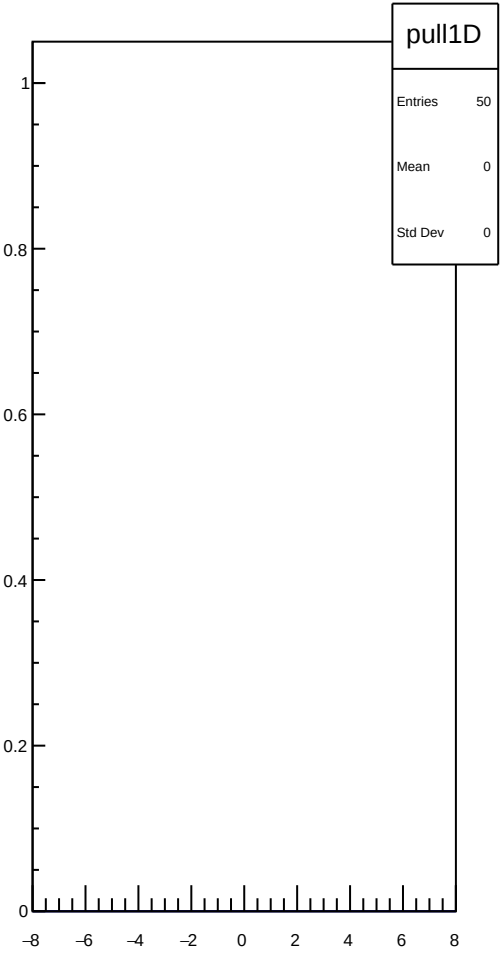

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

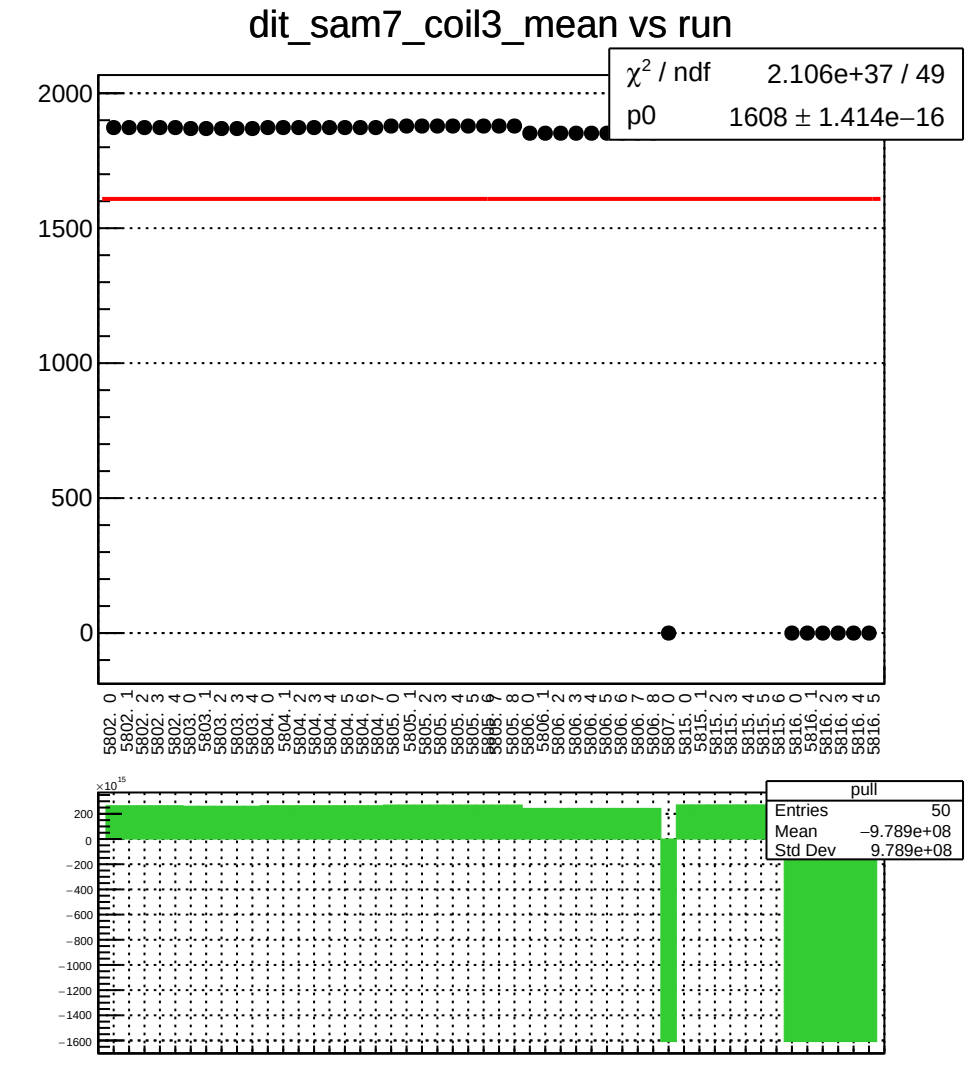

dit_sam6_coil3_mean vs run
χ² / ndf 6.098e+35 / 49
p0 −241.2 ± 1.414e−16
pull
Entries 50
Mean 1.03e+10
Std Dev 1.03e+10

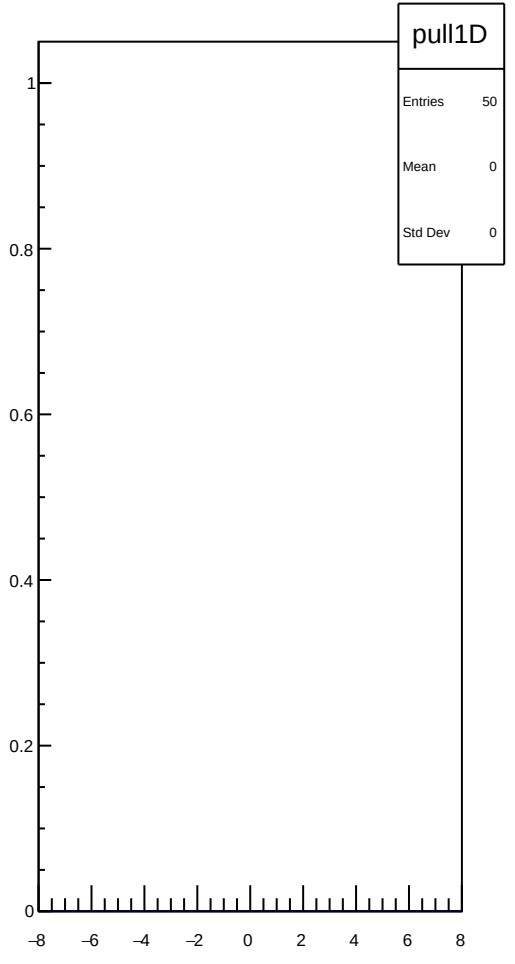

pull1D
Entries 50
Mean 0
Std Dev 0

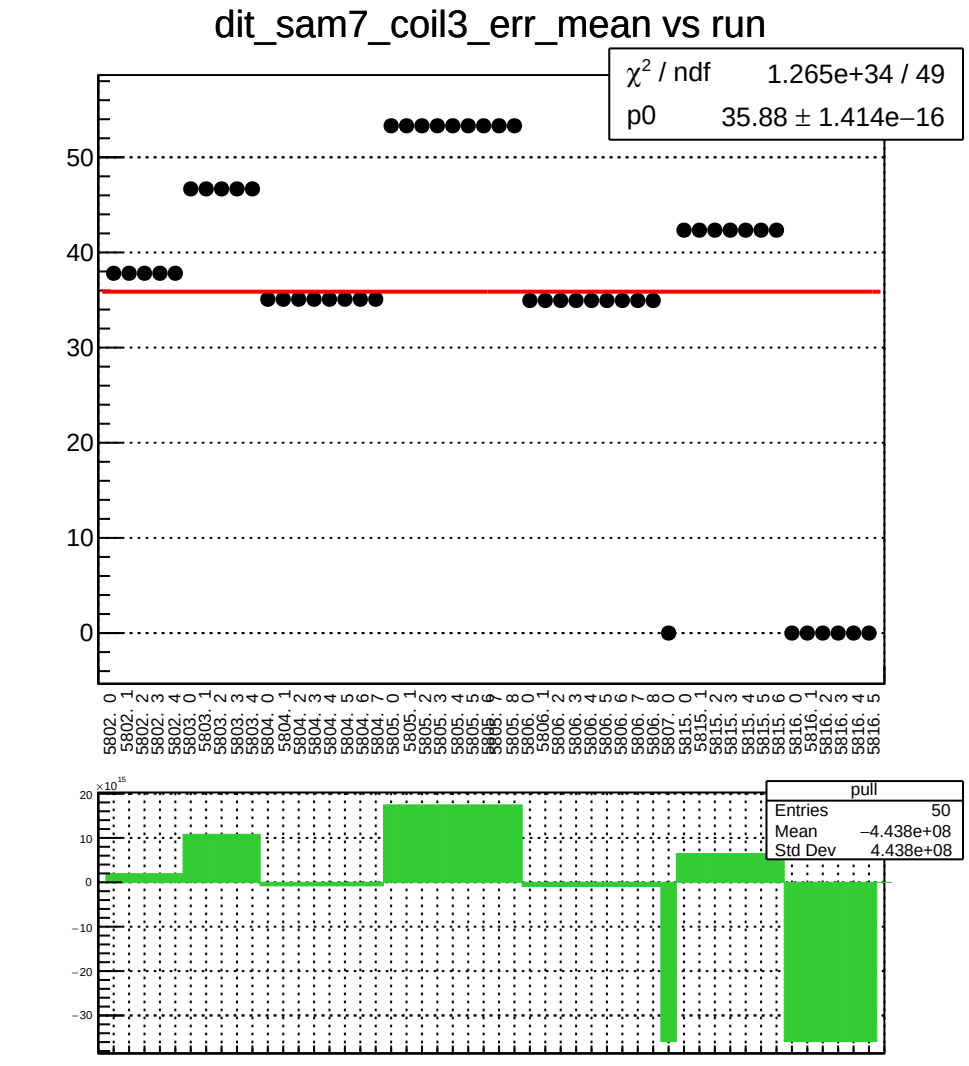

dit_sam6_coil3_err_mean vs run
χ² / ndf 3.641e+34 / 49
p0 56.04 ± 1.414e−16
pull
Entries 50
Mean −6.125e+08
Std Dev 6.125e+08
pull1D
Entries 50
Mean 0
Std Dev 0

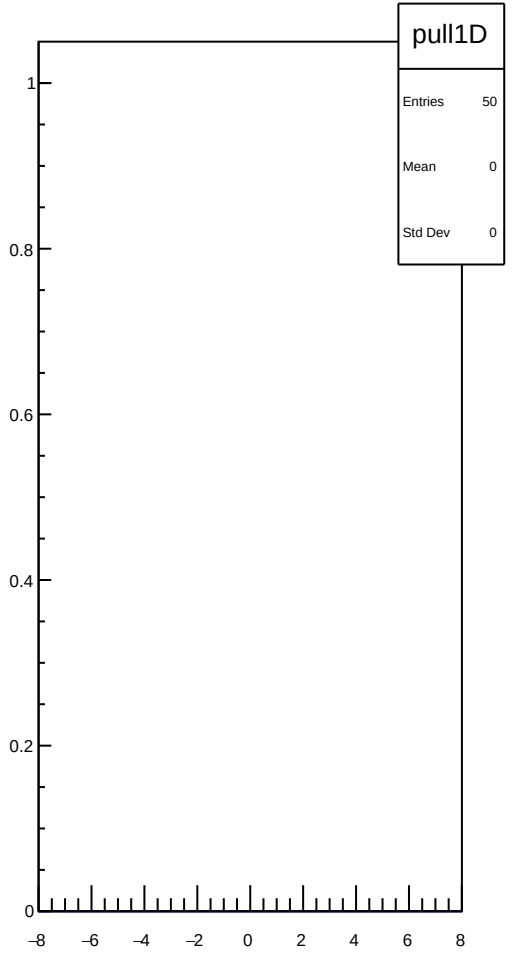

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09

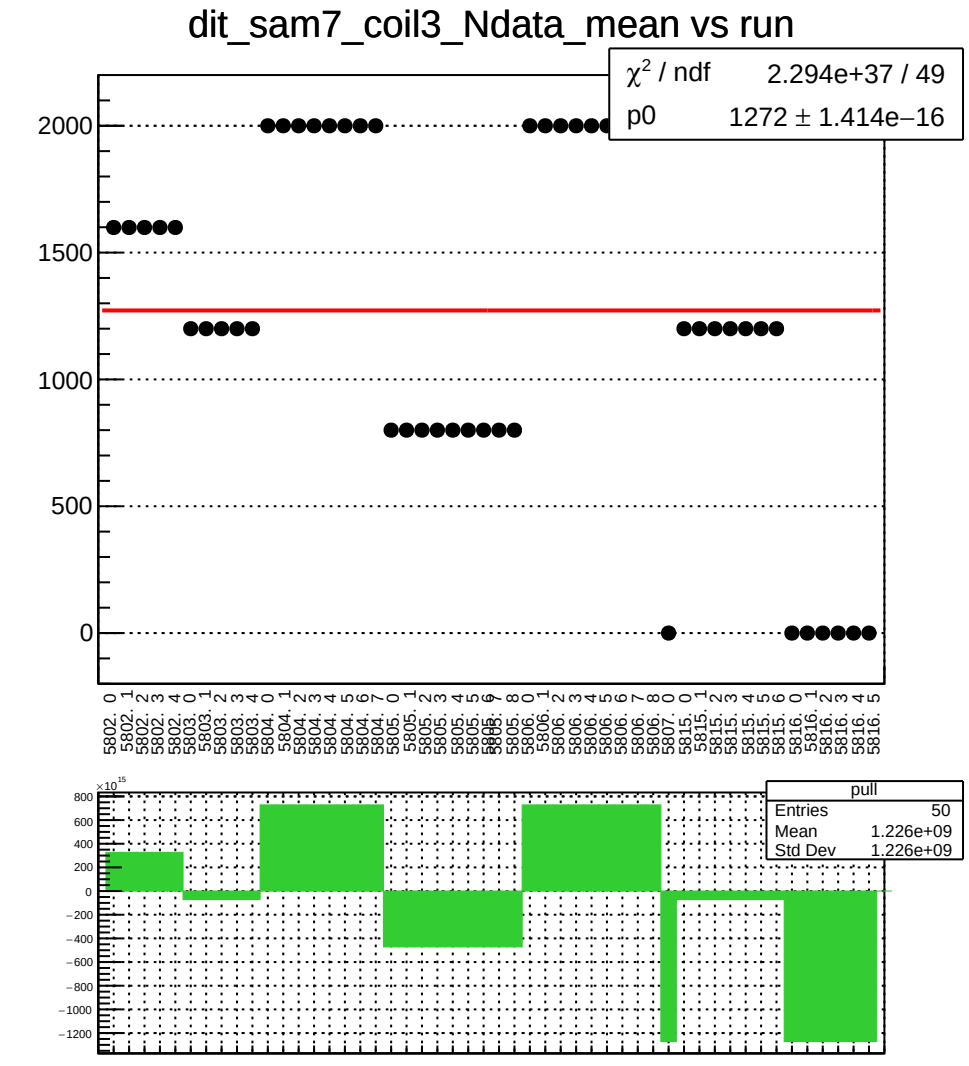

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

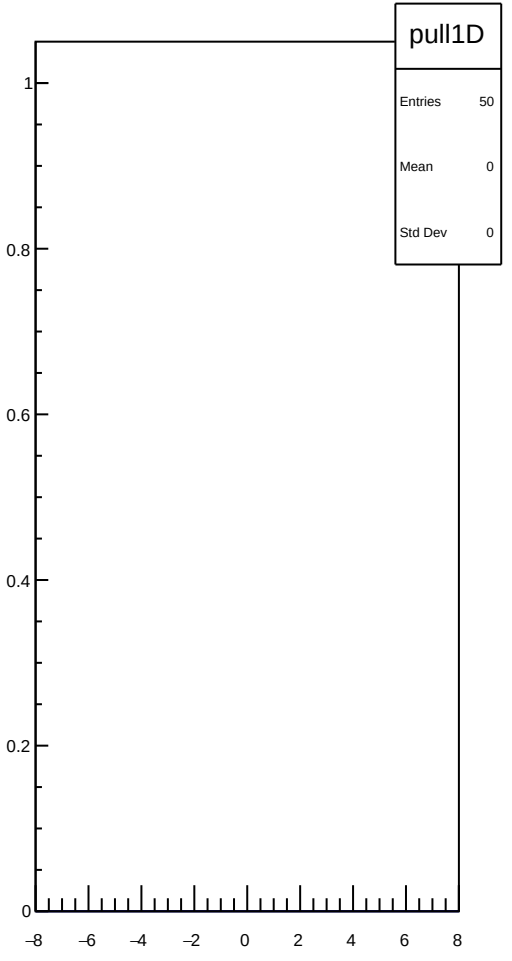

dit_sam7_coil3_mean vs run
χ² / ndf 2.106e+37 / 49
p0 1608 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean −9.789e+08
Std Dev 9.789e+08
×10¹⁵
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600

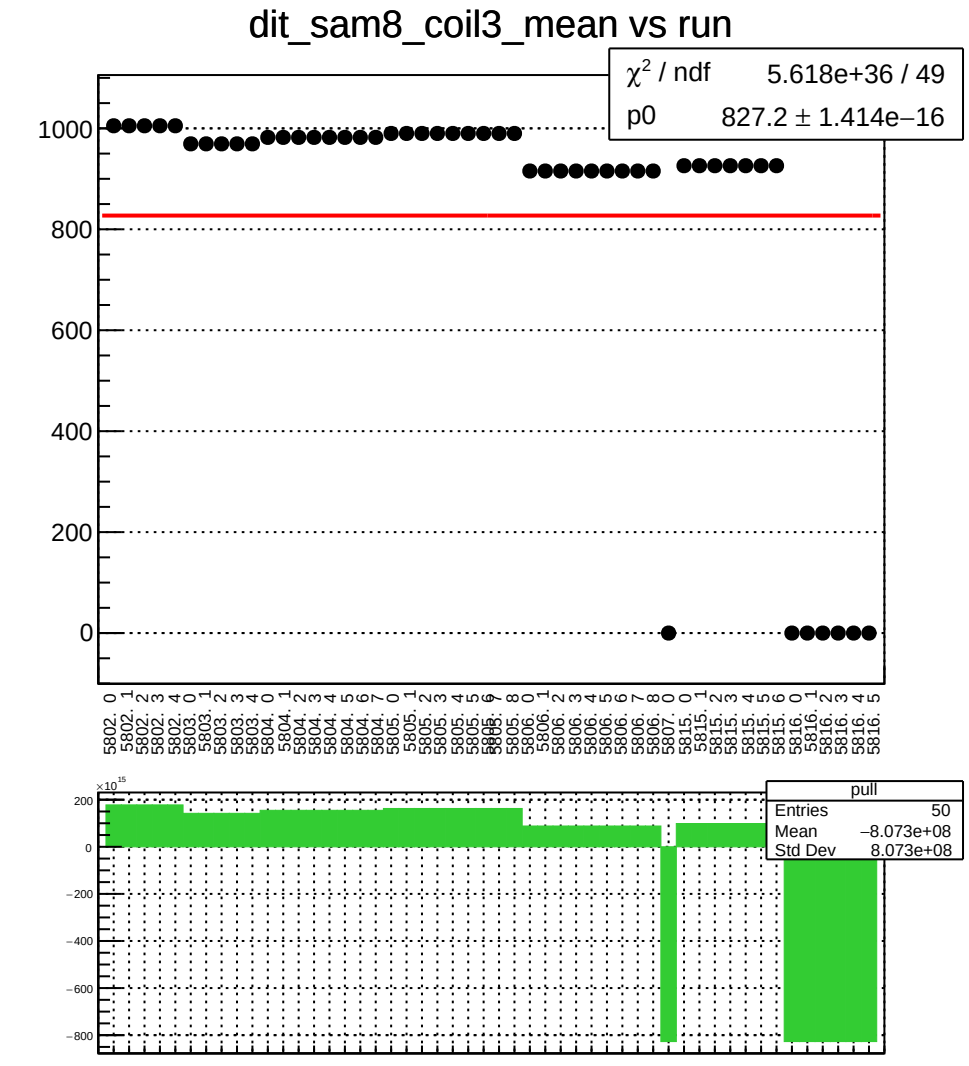

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

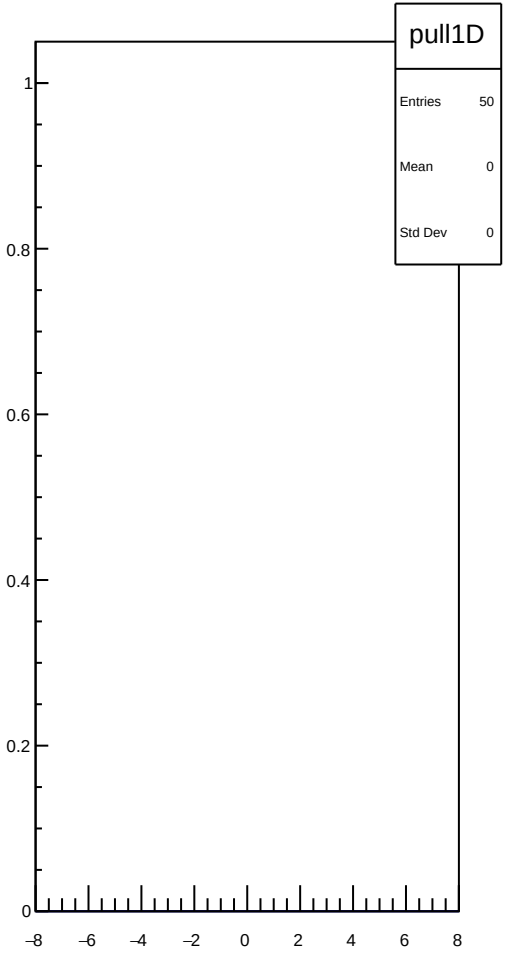

dit_sam7_coil3_err_mean vs run
χ² / ndf 1.265e+34 / 49
p0 35.88 ± 1.414e−16
pull
Entries 50
Mean −4.438e+08
Std Dev 4.438e+08

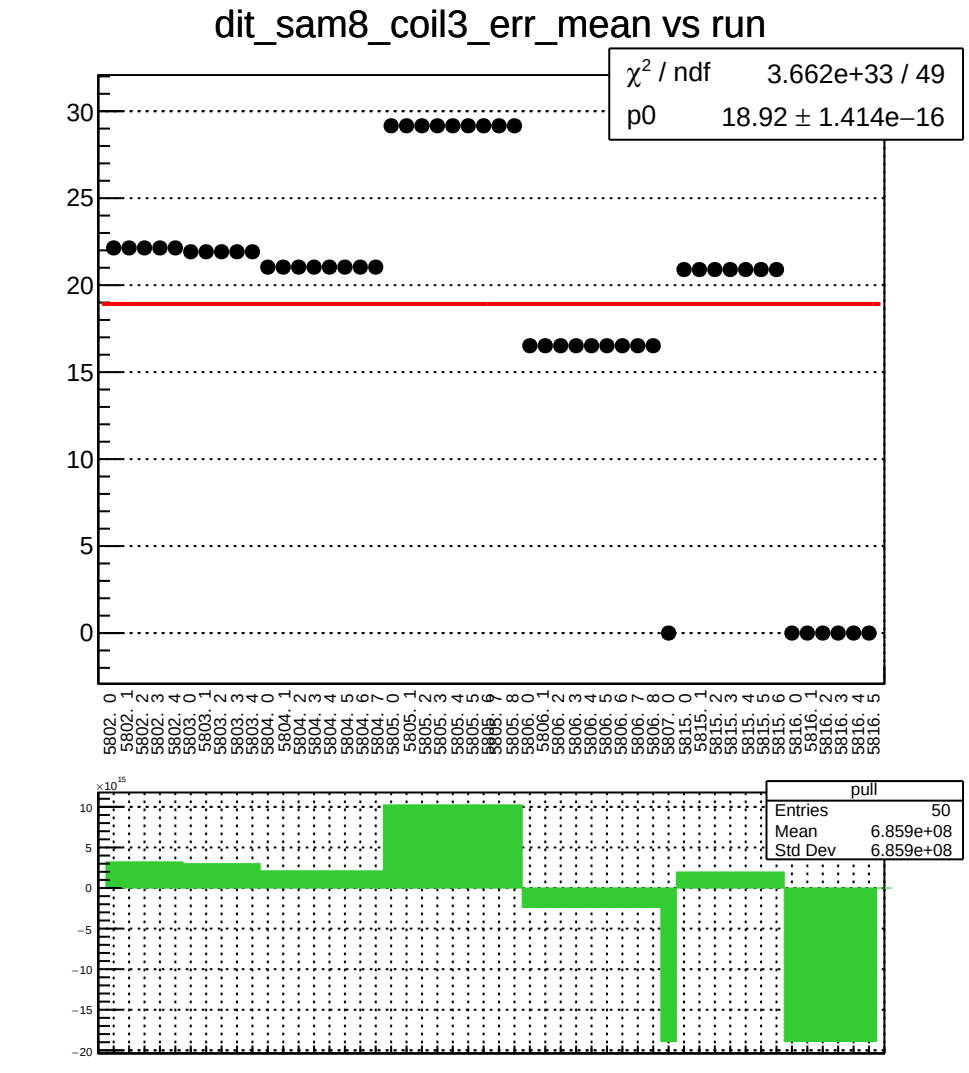

pull1D
Entries 50
Mean 0
Std Dev 0

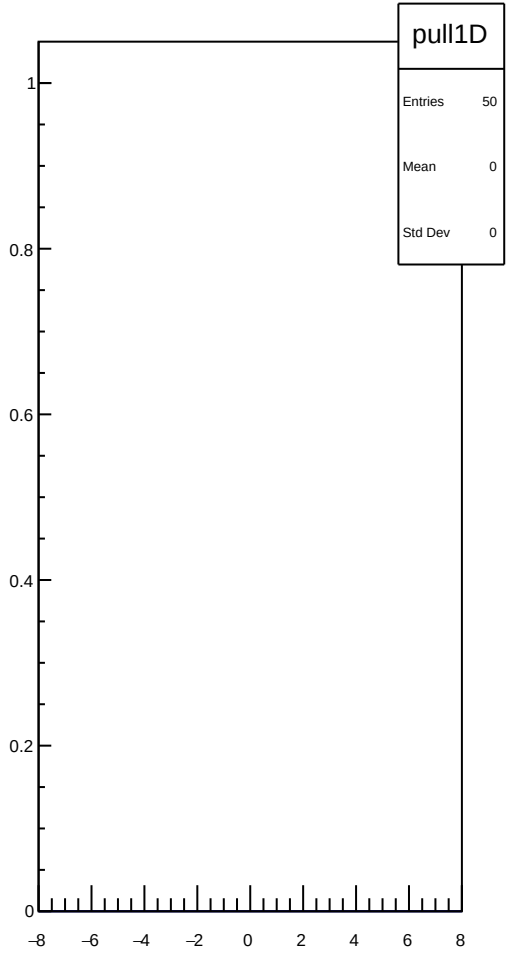

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

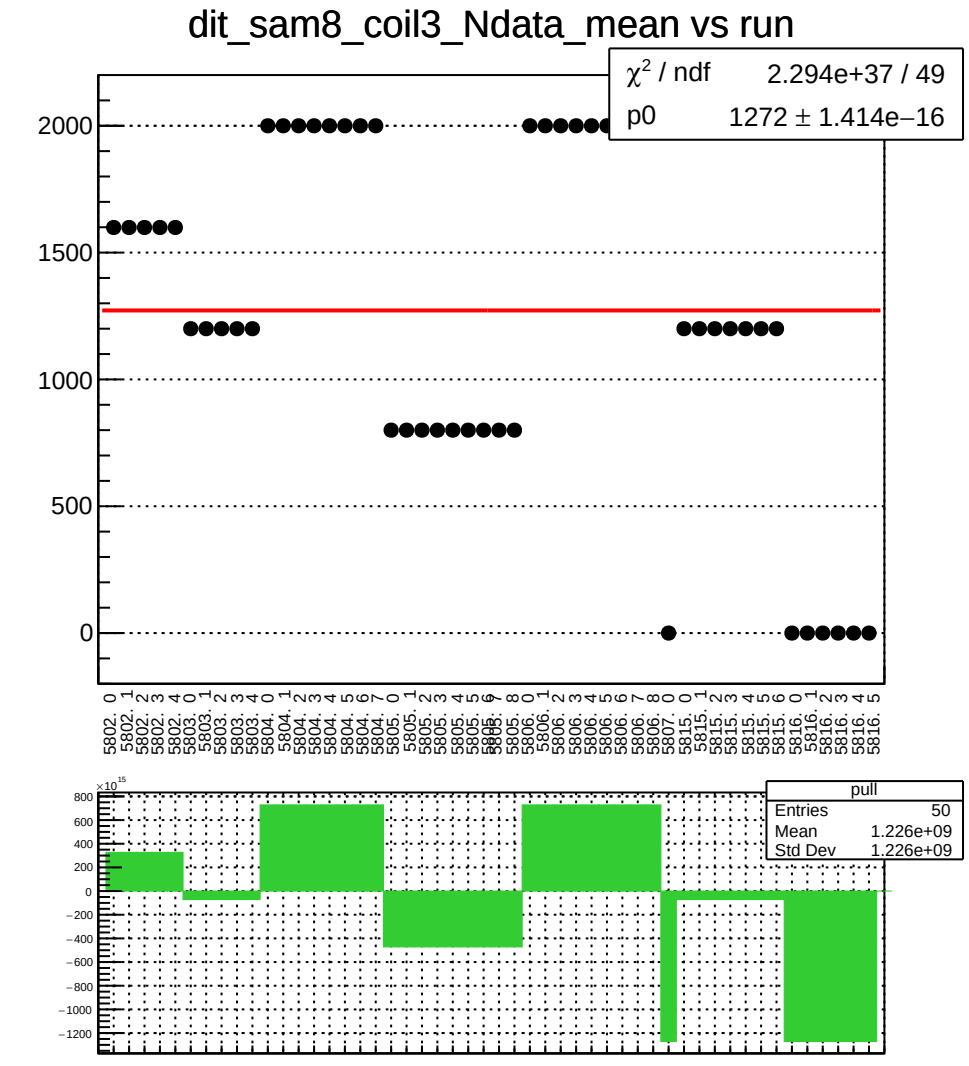

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

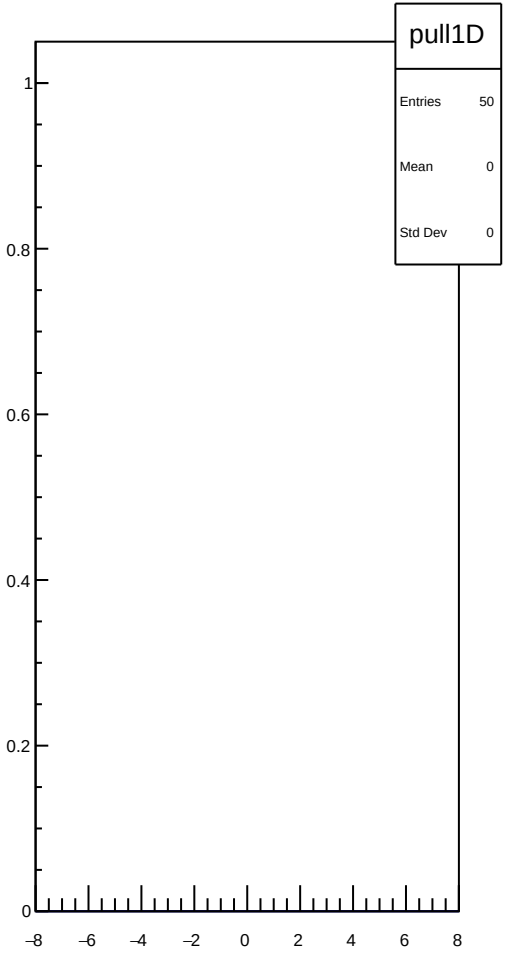

dit_sam8_coil3_mean vs run
χ² / ndf 5.618e+36 / 49
p0 827.2 ± 1.414e−16
1000
800
600
400
200
0
pull
Entries 50
Mean −8.073e+08
Std Dev 8.073e+08
×10¹⁵
200
0
−200
−400
−600
−800

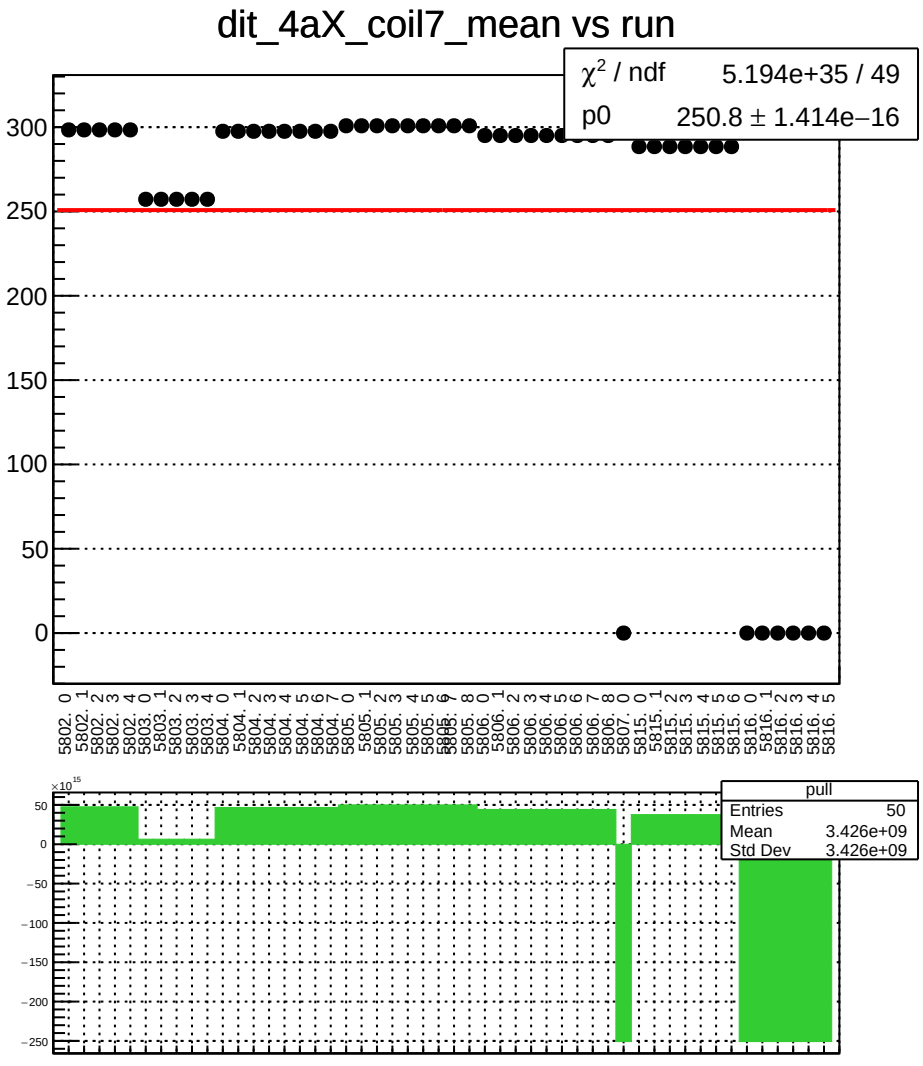

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

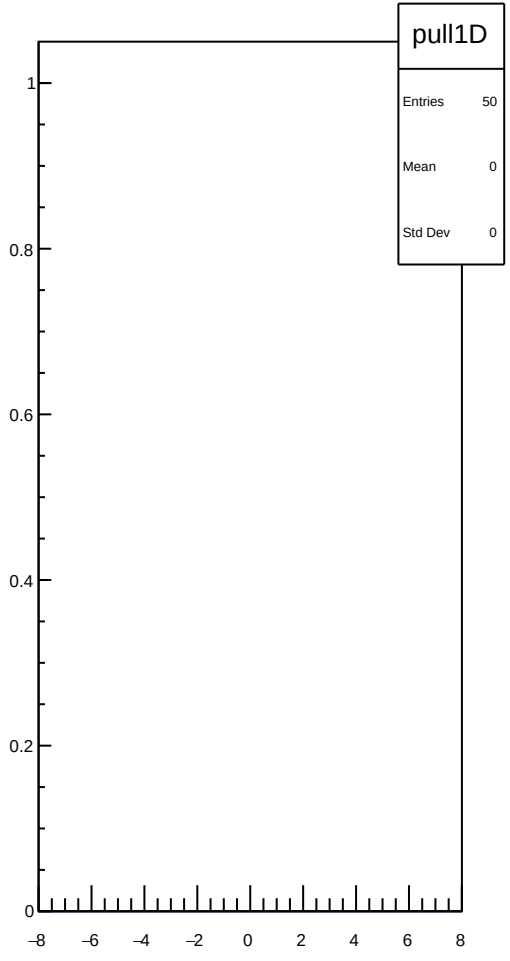

dit_sam8_coil3_err_mean vs run
χ² / ndf 3.662e+33 / 49
p0 18.92 ± 1.414e−16
pull
Entries 50
Mean 6.859e+08
Std Dev 6.859e+08

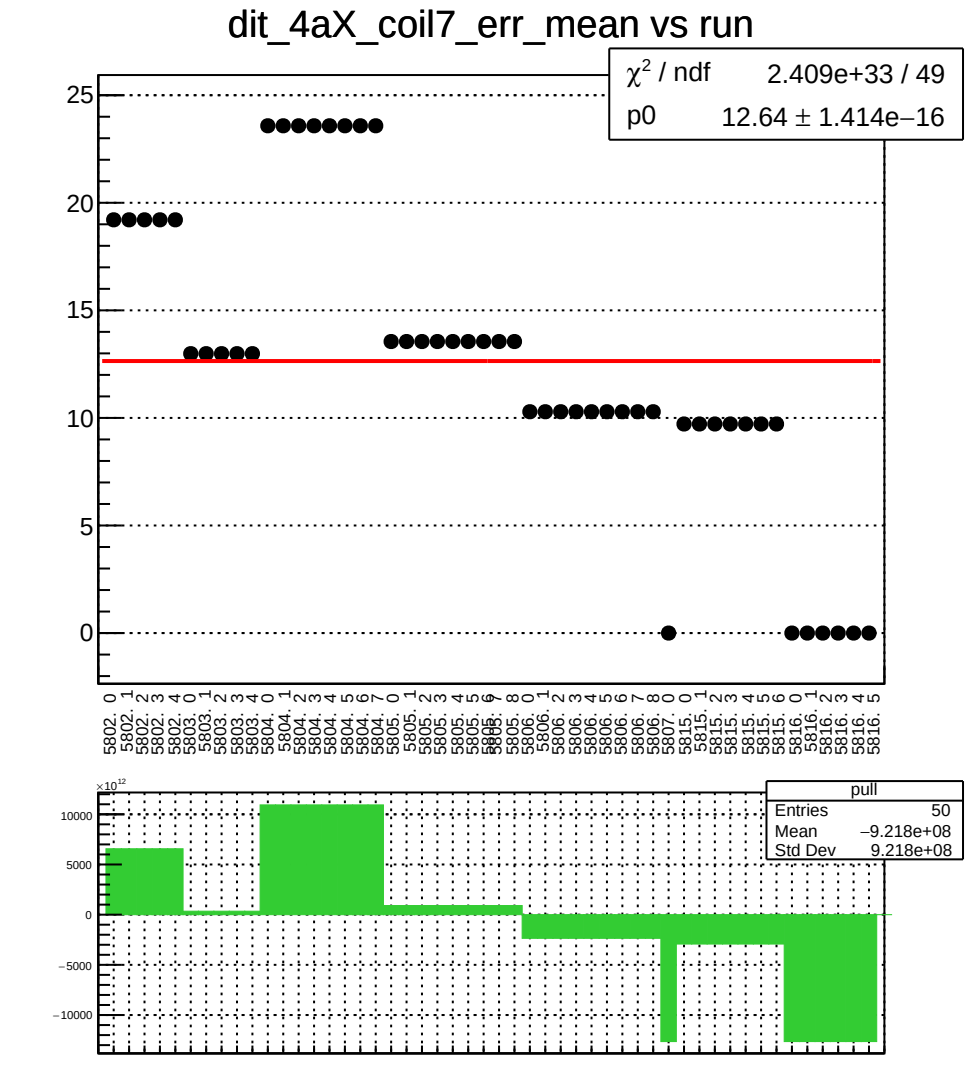

pull1D
Entries 50
Mean 0
Std Dev 0

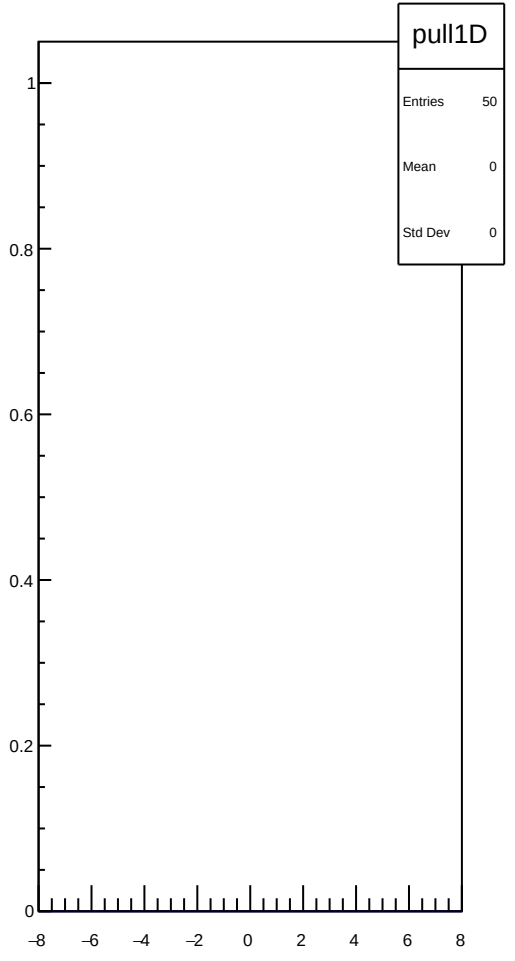

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 2.294e+37 / 49
p0 1272 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

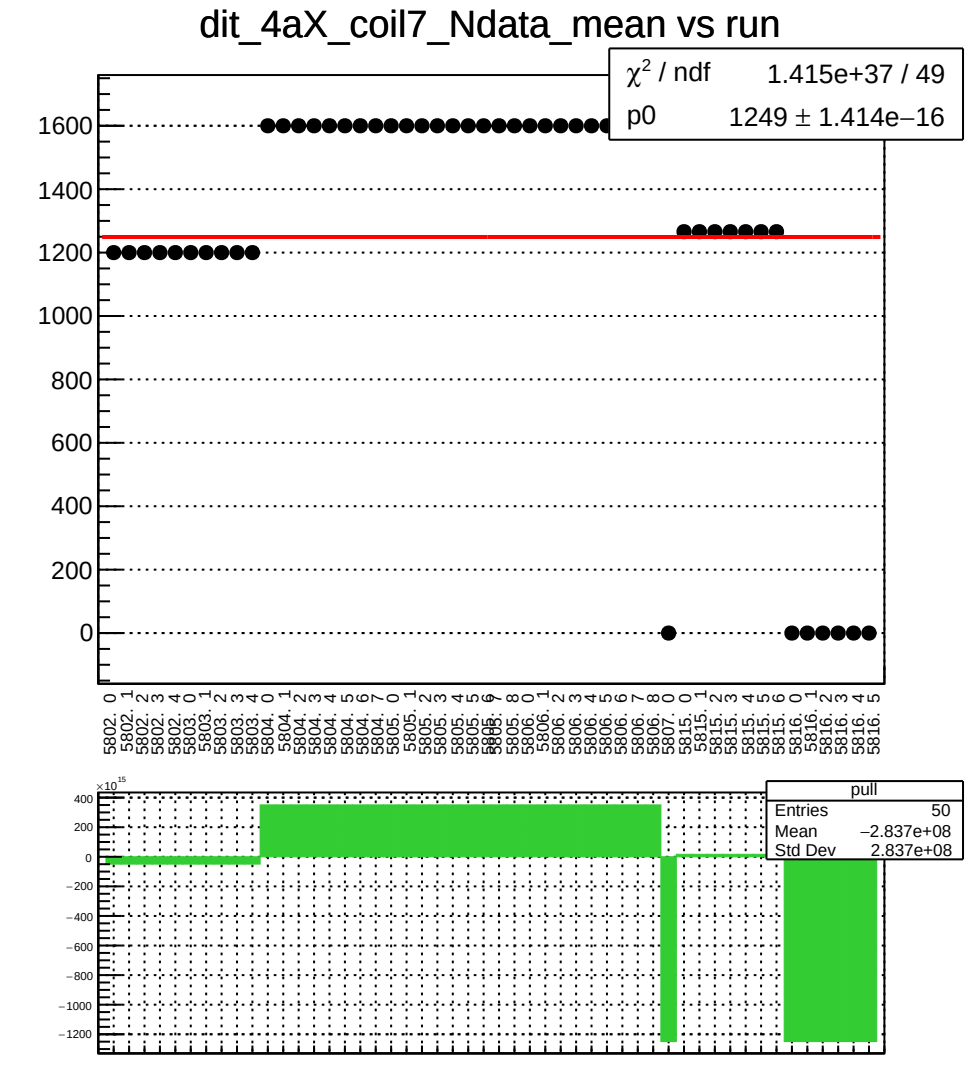

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

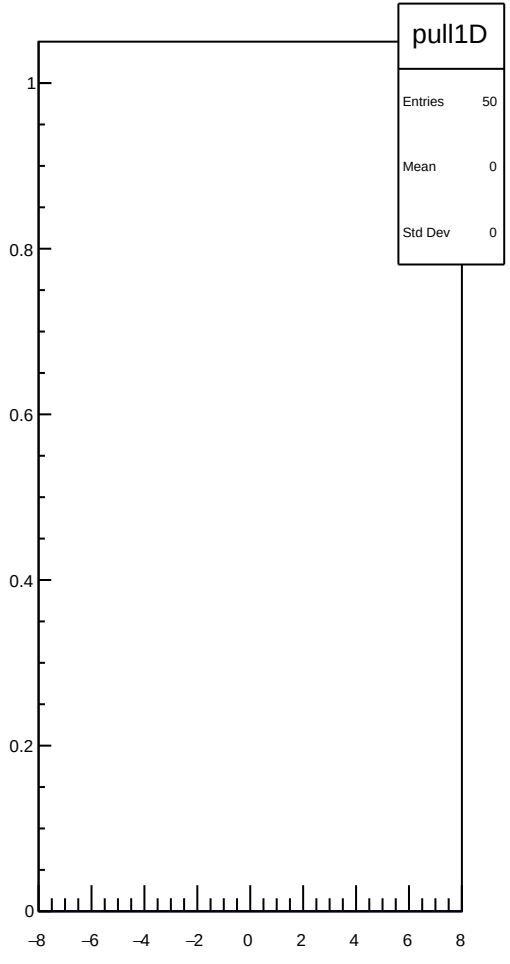

dit_4aX_coil7_mean vs run
χ² / ndf 5.194e+35 / 49
p0 250.8 ± 1.414e−16
300
250
200
150
100
50
0
pull
Entries 50
Mean 3.426e+09
Std Dev 3.426e+09
×10¹⁵
50
0
−50
−100
−150
−200
−250

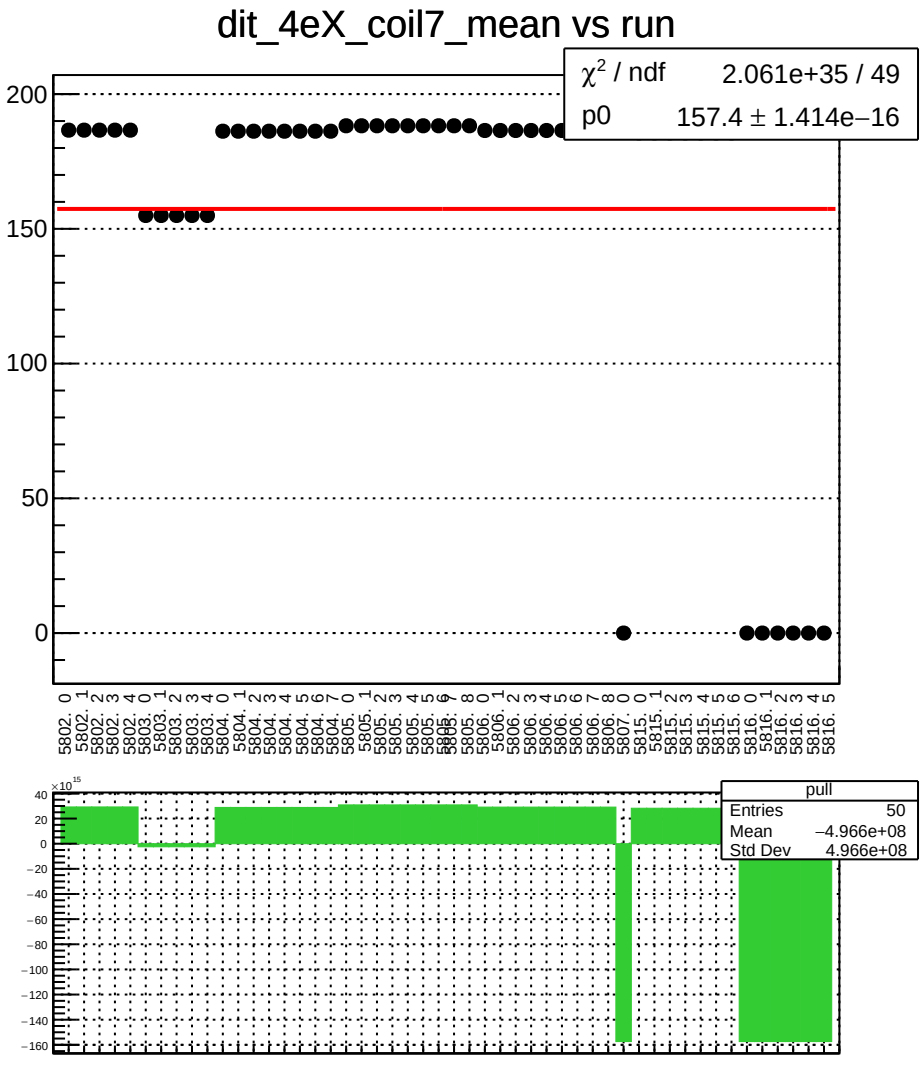

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

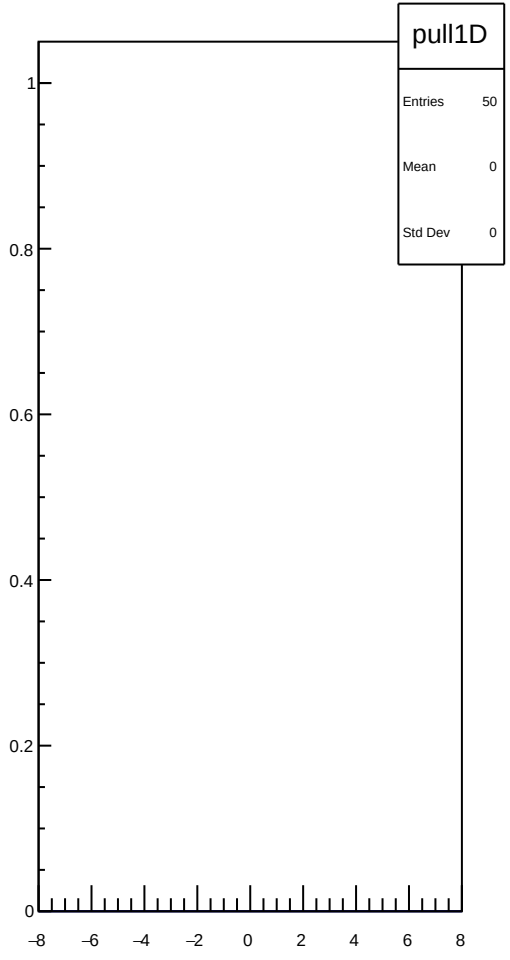

dit_4aX_coil7_err_mean vs run
χ² / ndf 2.409e+33 / 49
p0 12.64 ± 1.414e−16
pull
Entries 50
Mean −9.218e+08
Std Dev 9.218e+08
×10¹²

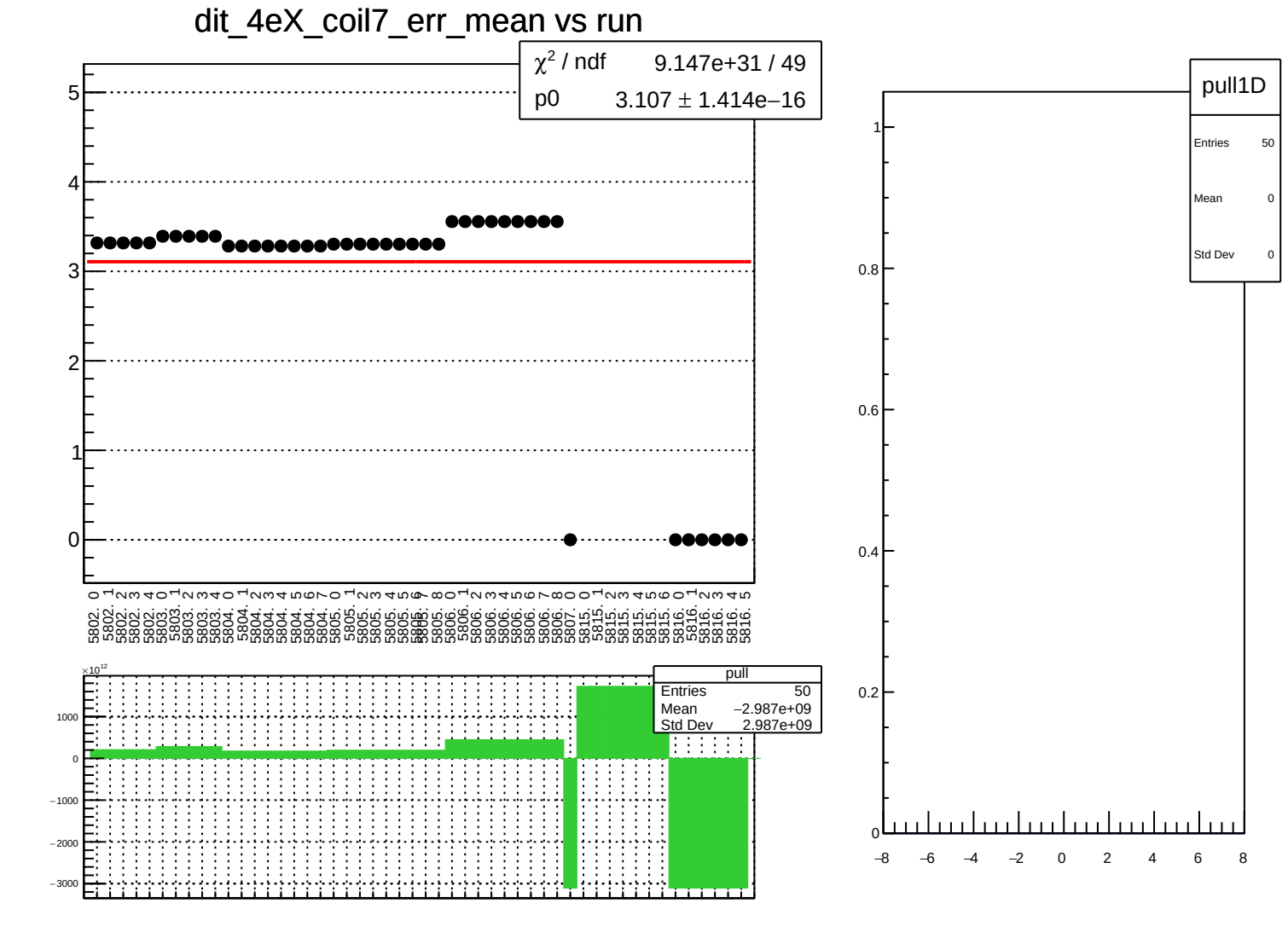

pull1D
Entries 50
Mean 0
Std Dev 0

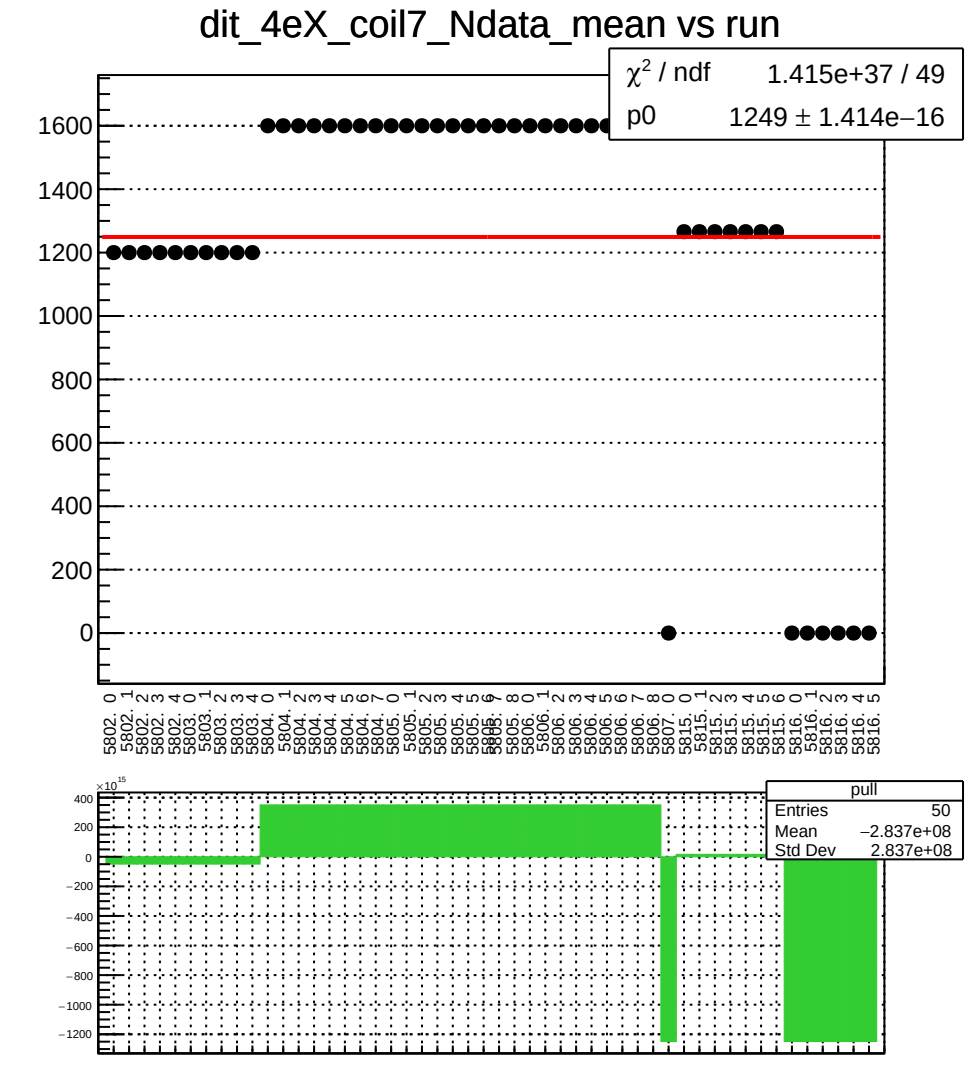

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

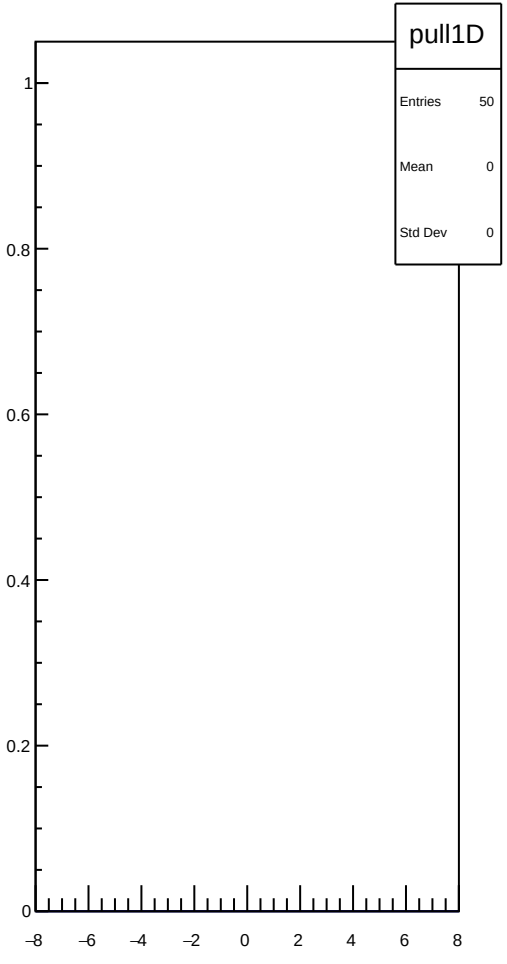

pull1D
Entries 50
Mean 0
Std Dev 0

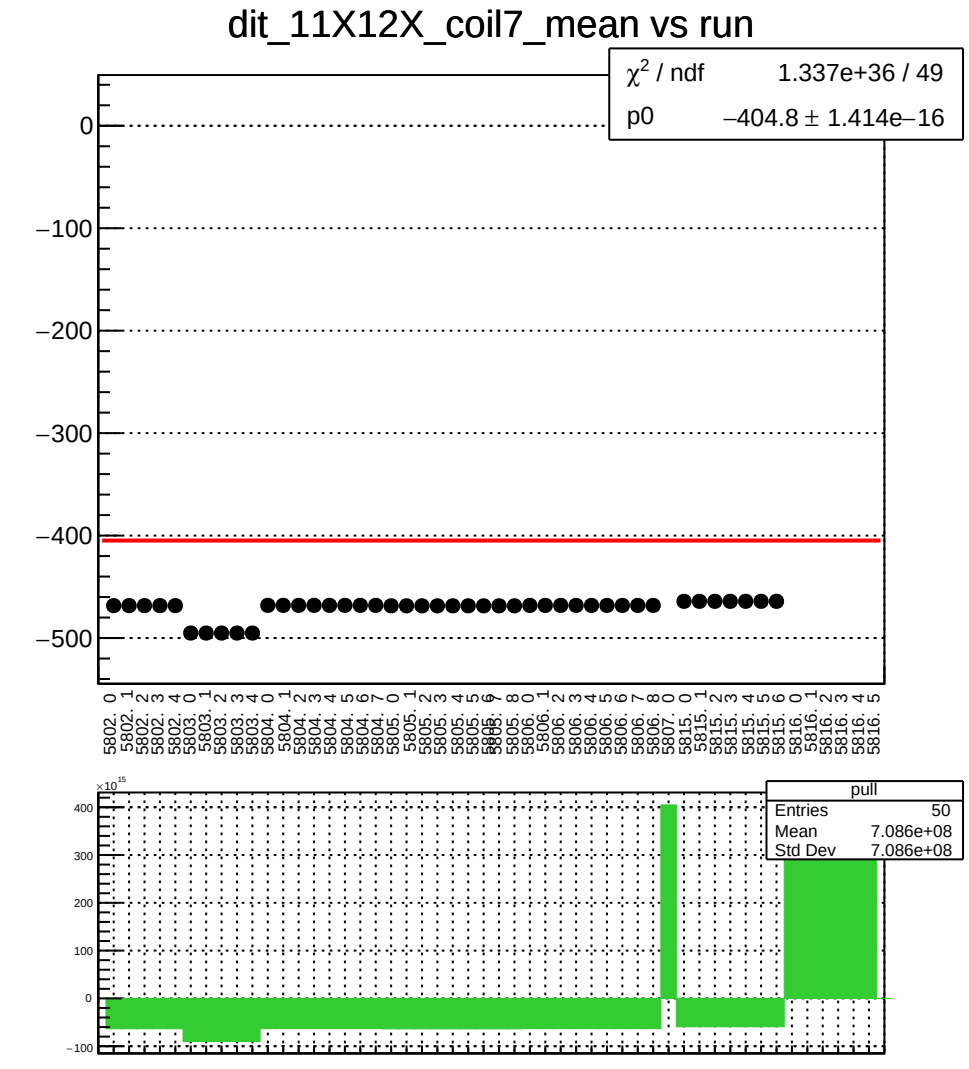

dit_4eX_coil7_mean vs run
χ² / ndf 2.061e+35 / 49
p0 157.4 ± 1.414e−16
200
150
100
50
0
pull
Entries 50
Mean −4.966e+08
Std Dev 4.966e+08
×10¹⁵
40
20
0
−20
−40
−60
−80
−100
−120
−140
−160

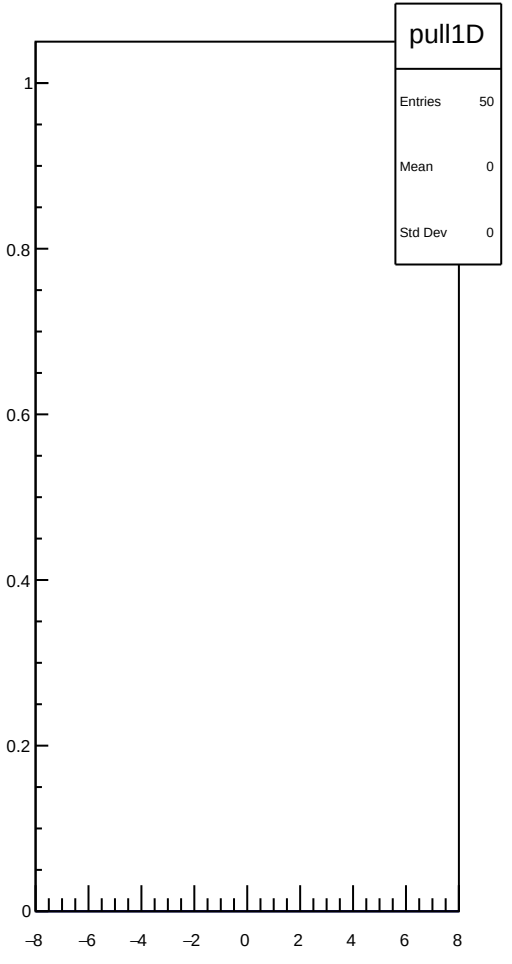

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

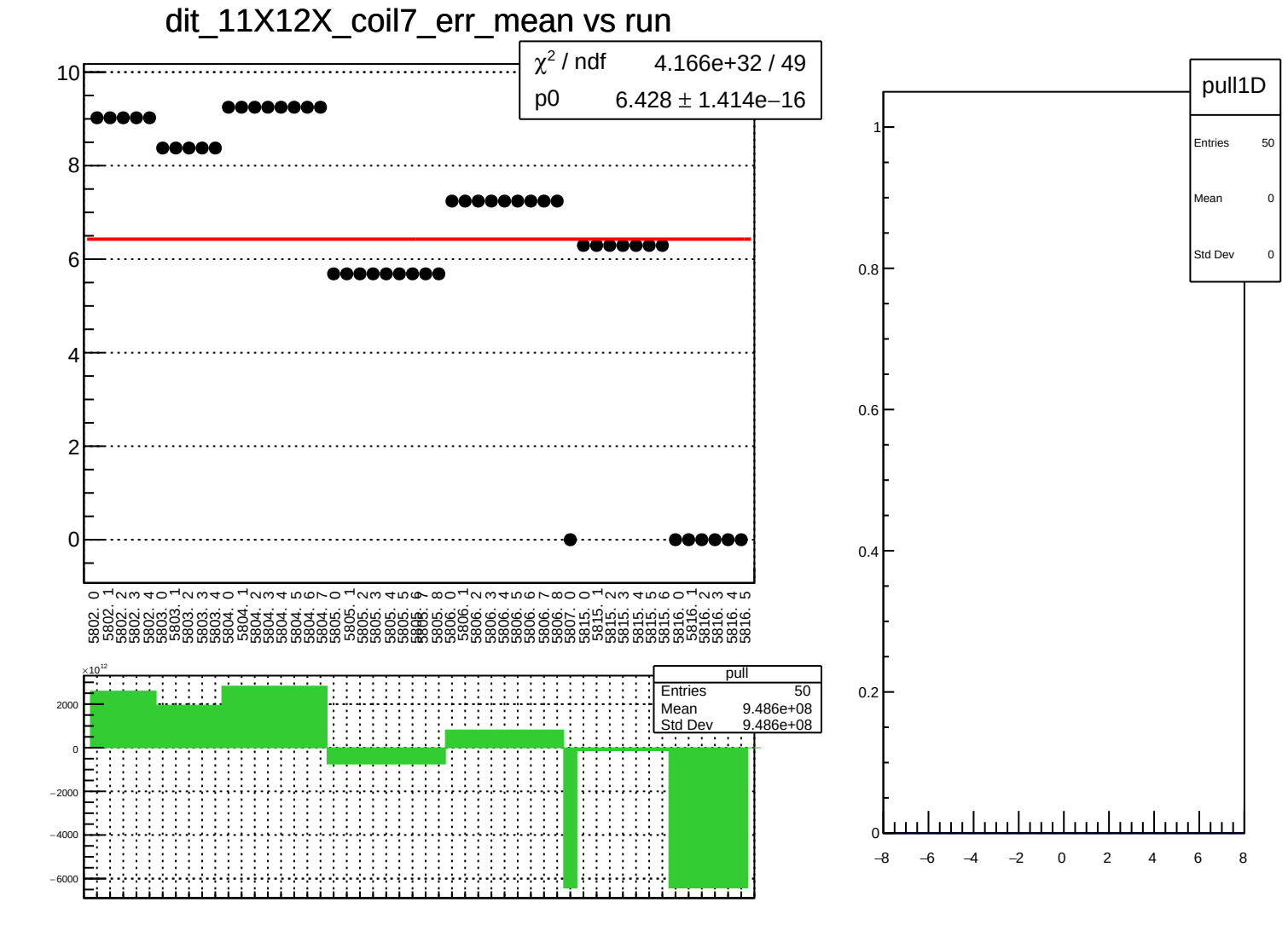

dit_4eX_coil7_err_mean vs run
χ² / ndf 9.147e+31 / 49
p0 3.107 ± 1.414e−16
pull
Entries 50
Mean −2.987e+09
Std Dev 2.987e+09
pull1D
Entries 50
Mean 0
Std Dev 0

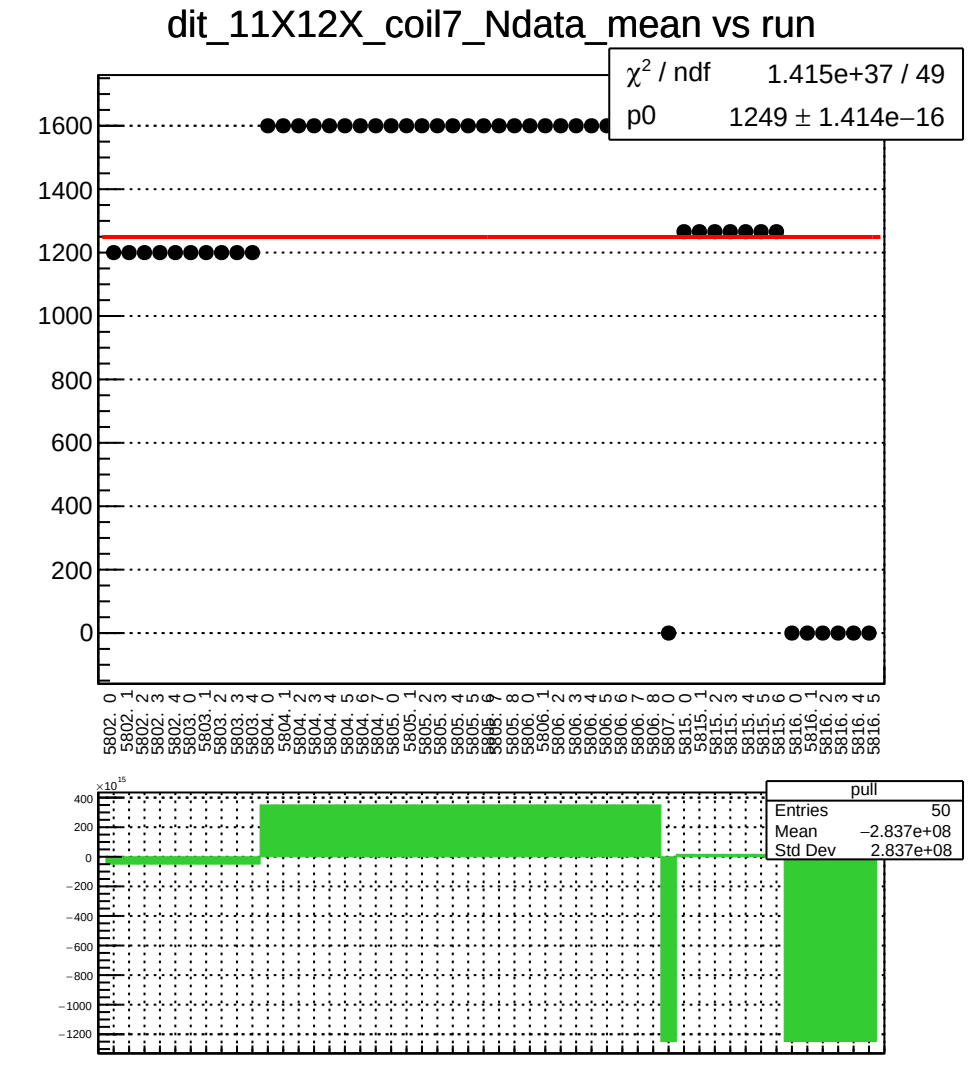

dit_4eX_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08
400
200
0
−200
−400
−600
−800
−1000
−1200

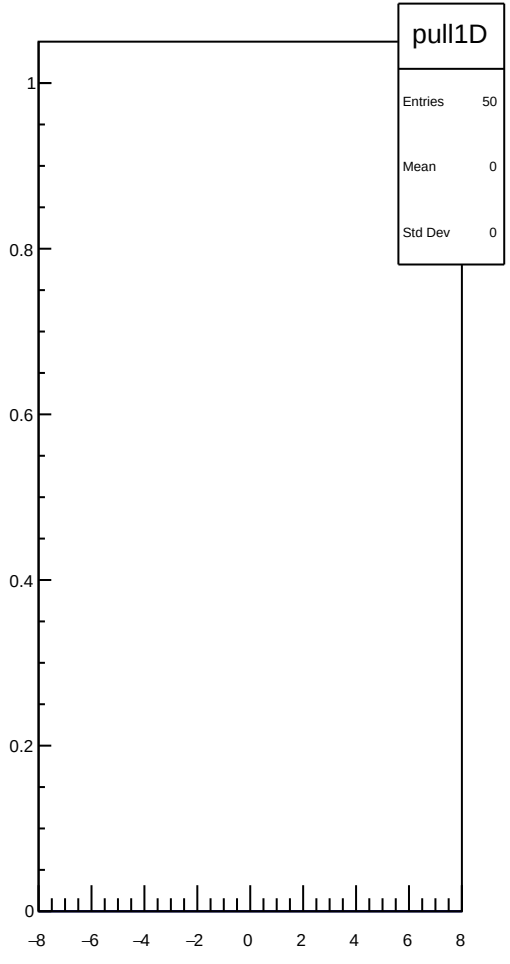

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

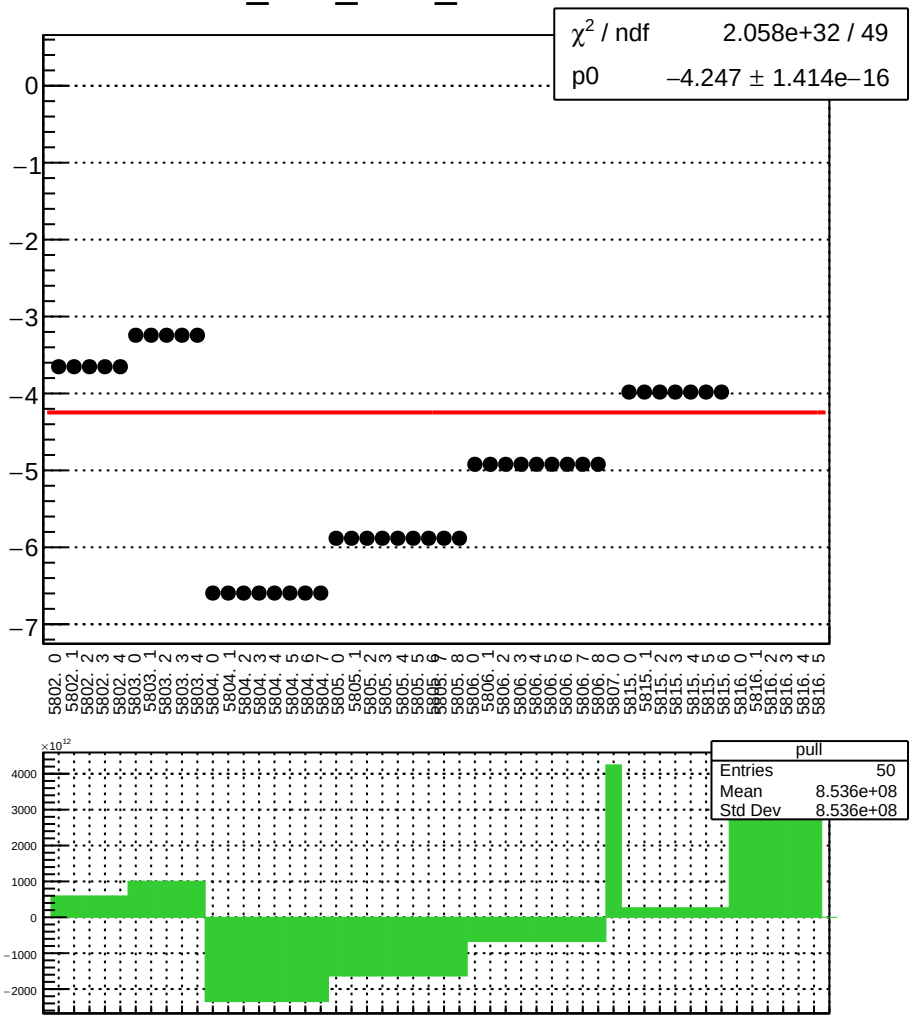

dit_11X12X_coil7_mean vs run
χ² / ndf 1.337e+36 / 49
p0 −404.8 ± 1.414e−16
0
−100
−200
−300
−400
−500
pull
Entries 50
Mean 7.086e+08
Std Dev 7.086e+08
×10¹⁵
400
300
200
100
0
−100

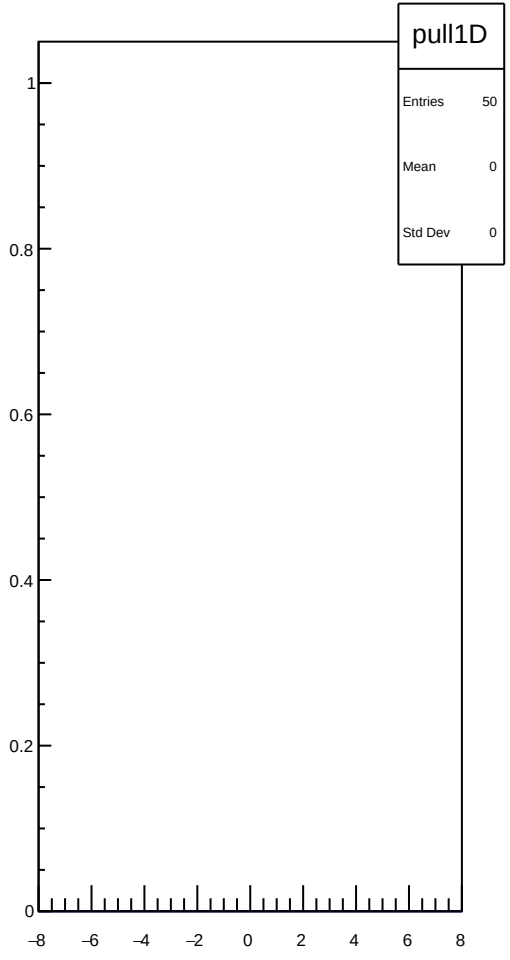

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

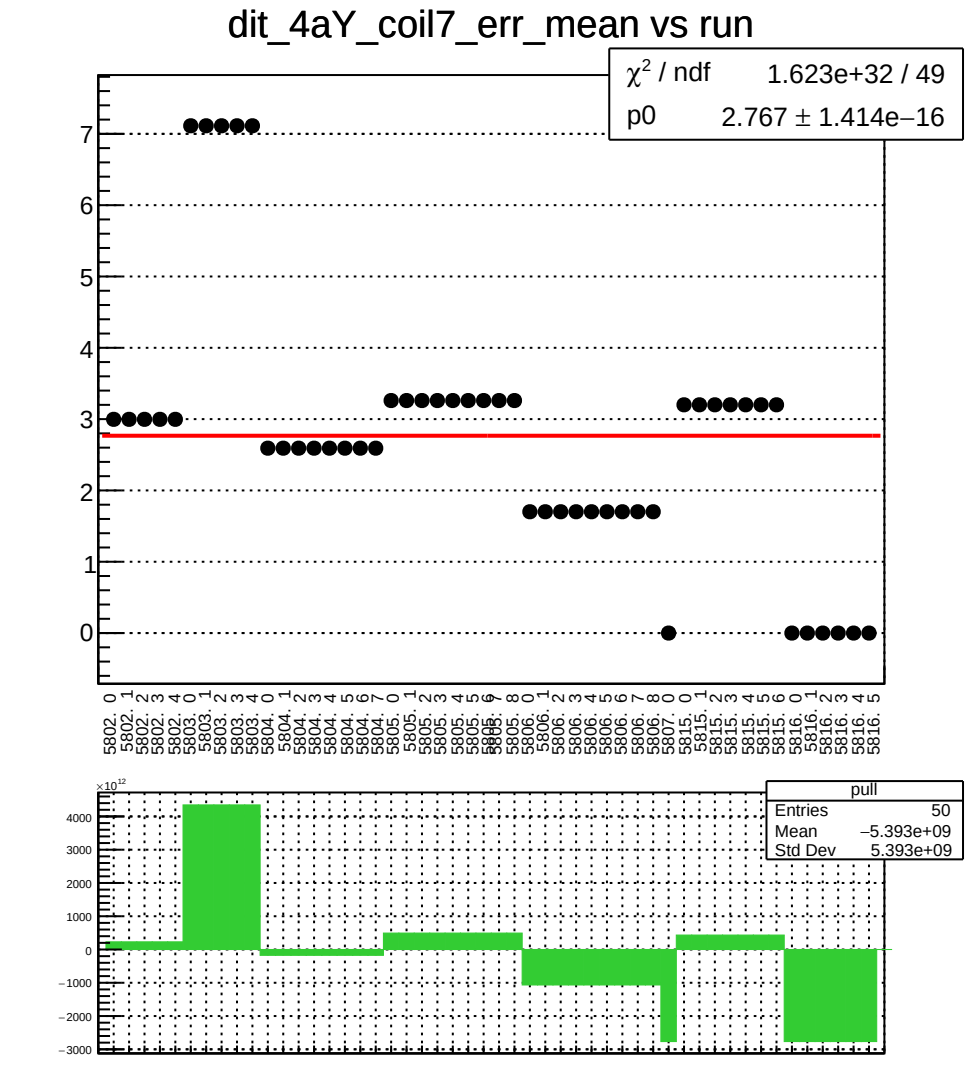

dit_11X12X_coil7_err_mean vs run
χ² / ndf 4.166e+32 / 49
p0 6.428 ± 1.414e−16
pull
Entries 50
Mean 9.486e+08
Std Dev 9.486e+08
pull1D
Entries 50
Mean 0
Std Dev 0

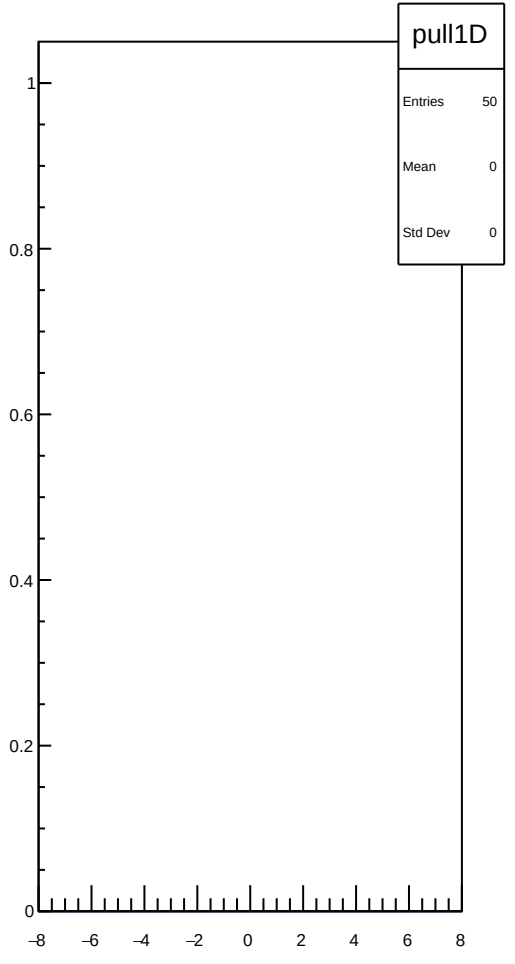

dit_11X12X_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

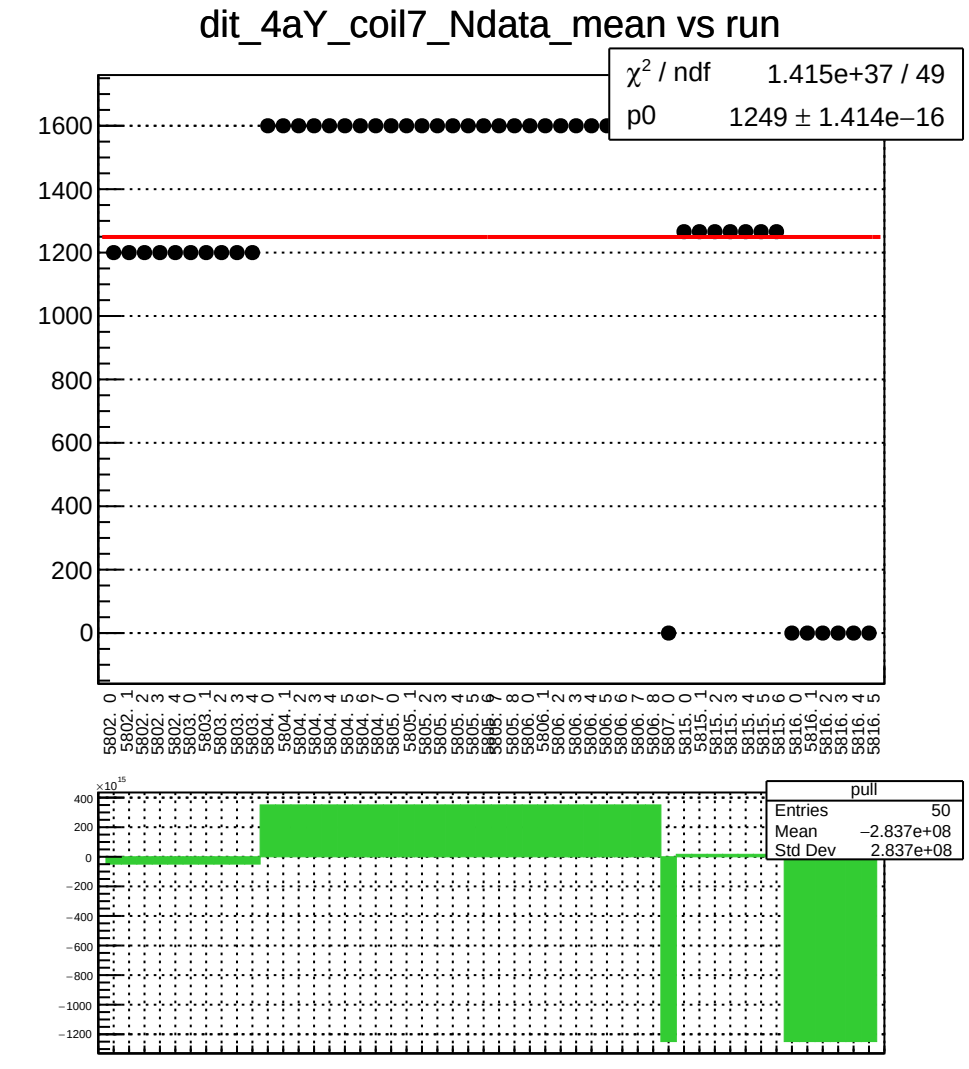

pull1D
Entries 50
Mean 0
Std Dev 0

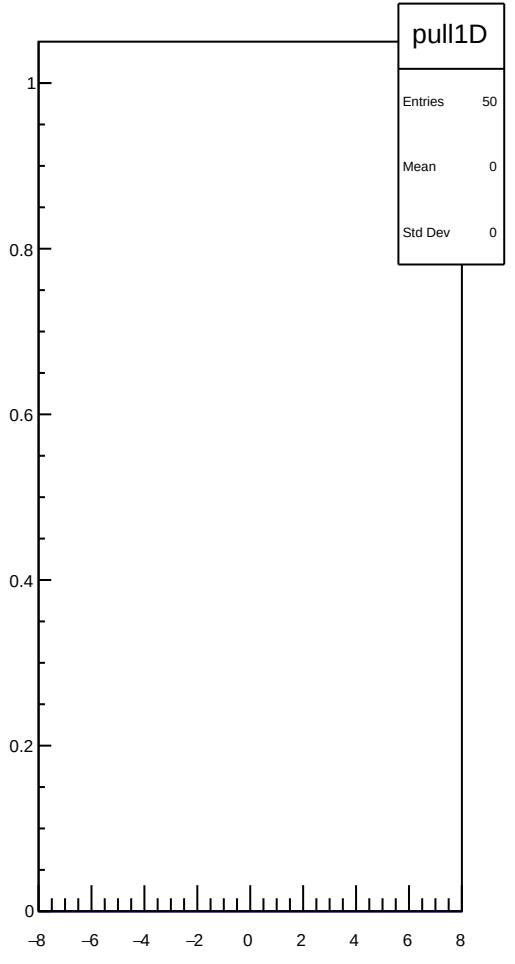

dit_4aY_coil7_mean vs run
χ² / ndf 2.058e+32 / 49
p0 −4.247 ± 1.414e−16
pull
Entries 50
Mean 8.536e+08
Std Dev 8.536e+08

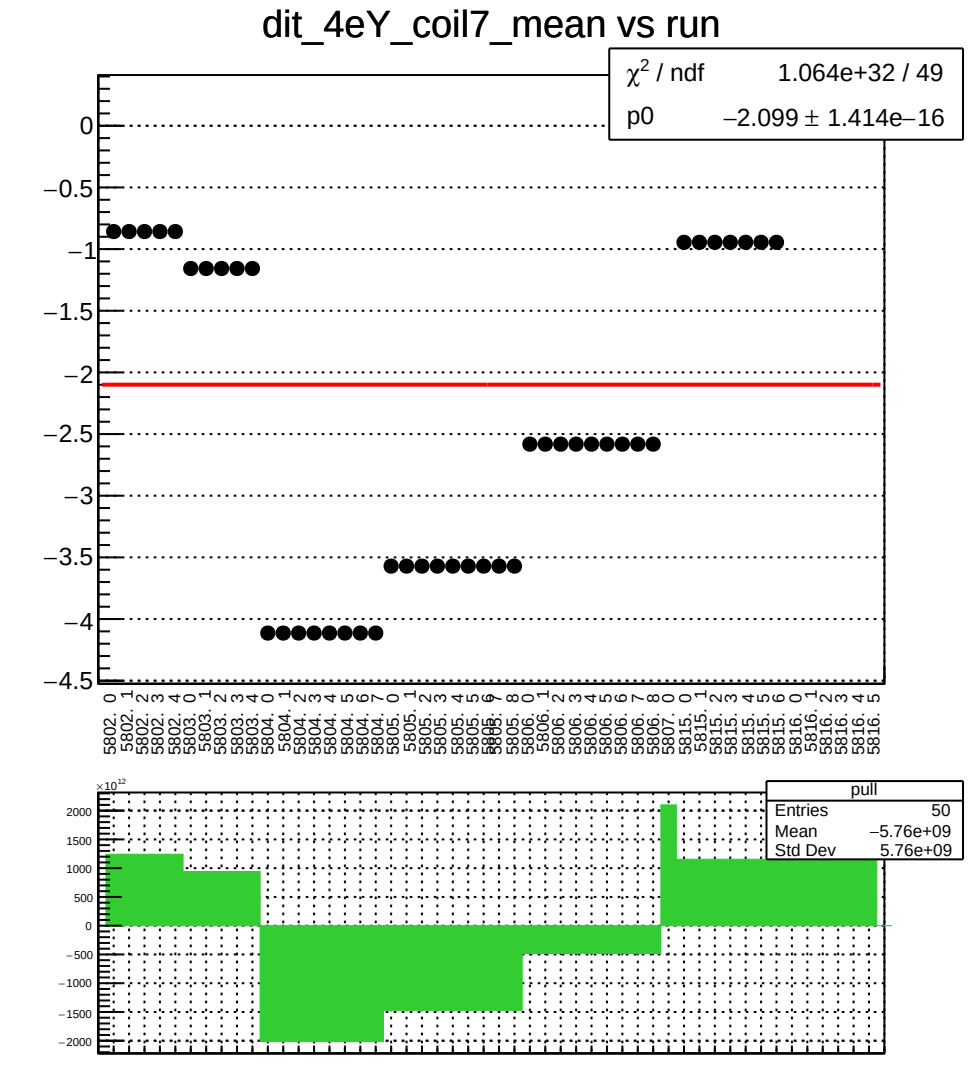

pull1D
Entries 50
Mean 0
Std Dev 0

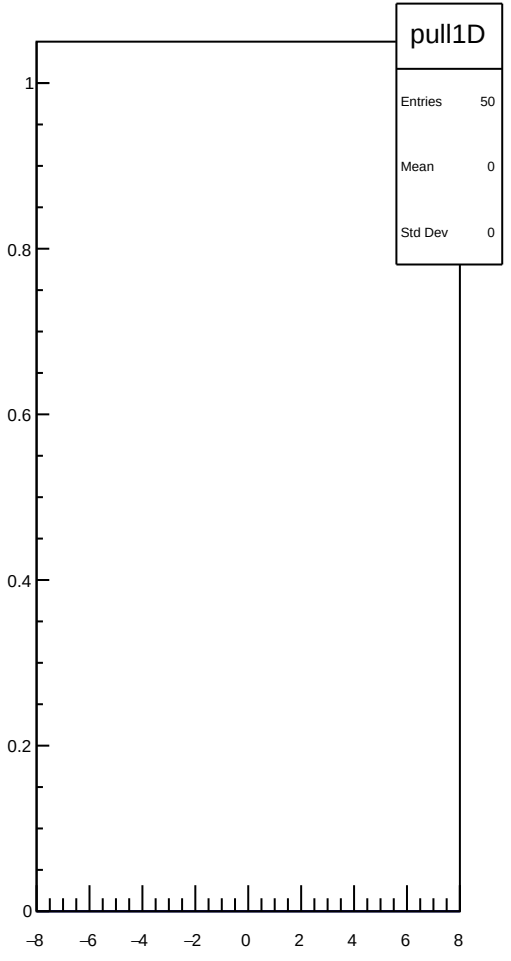

dit_4aY_coil7_err_mean vs run
χ² / ndf 1.623e+32 / 49
p0 2.767 ± 1.414e−16
pull
Entries 50
Mean −5.393e+09
Std Dev 5.393e+09
×10¹²

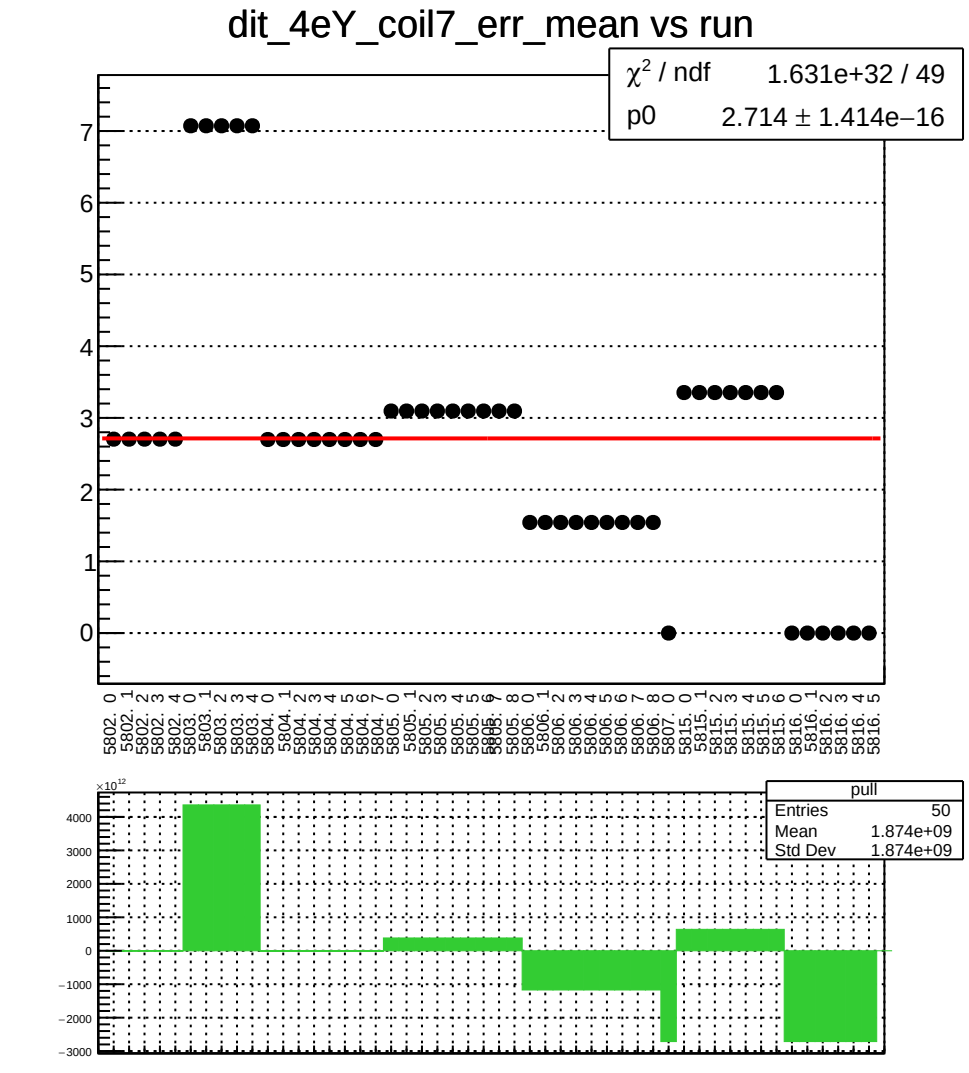

pull1D
Entries 50
Mean 0
Std Dev 0

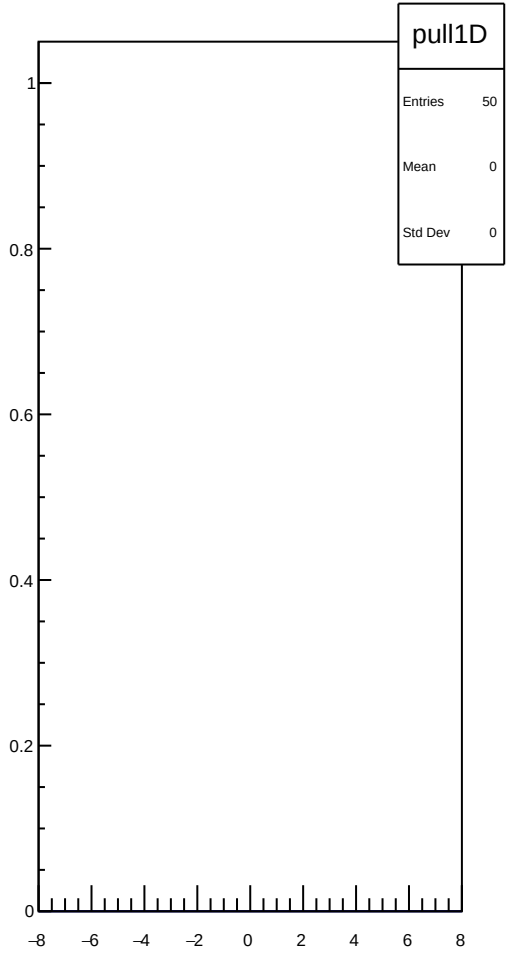

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

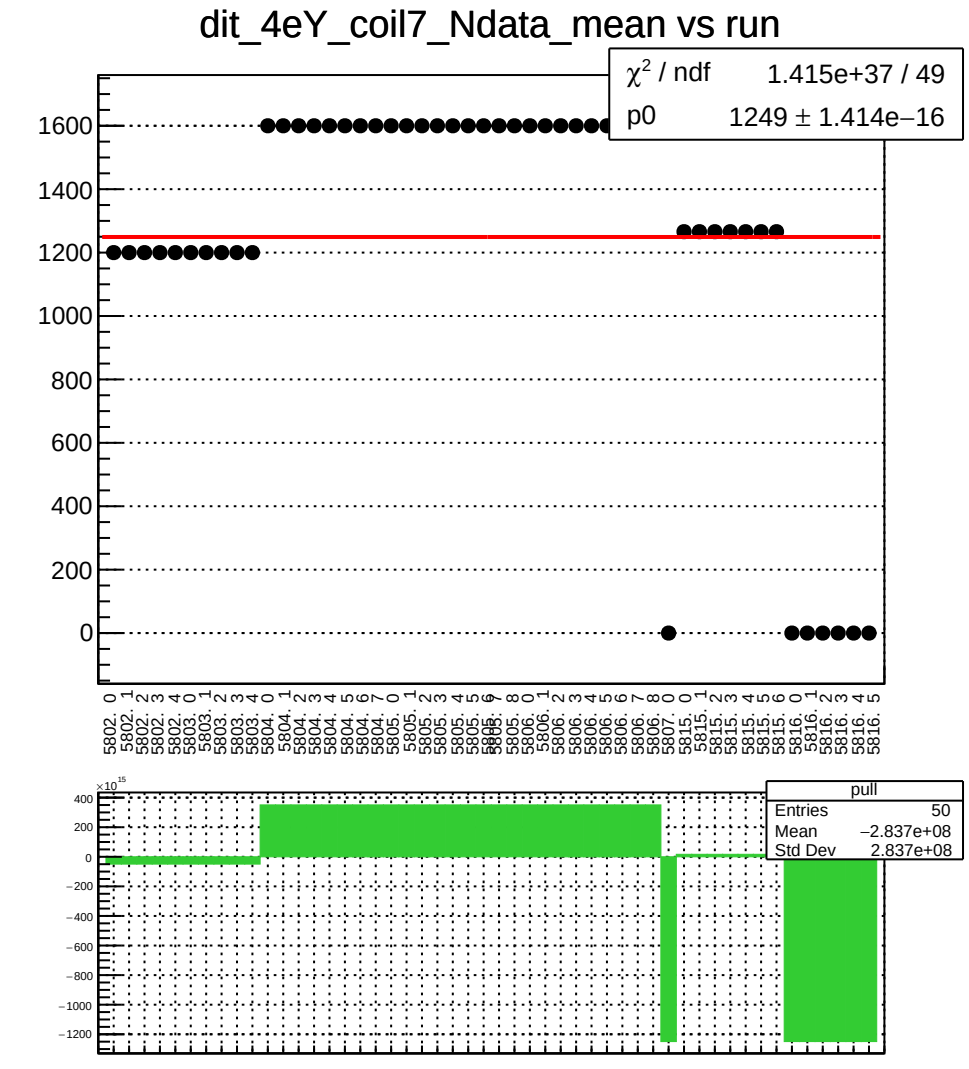

pull1D
Entries 50
Mean 0
Std Dev 0

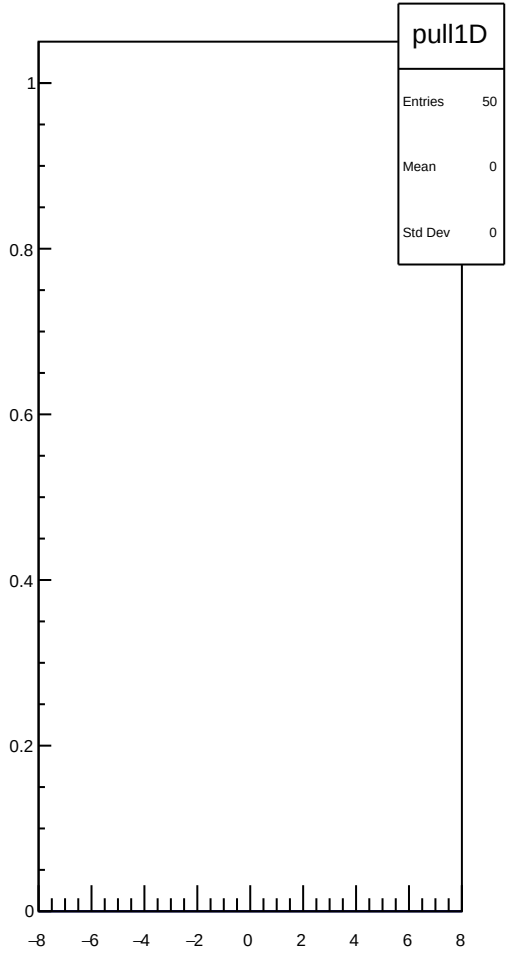

dit_4eY_coil7_mean vs run
χ² / ndf 1.064e+32 / 49
p0 −2.099 ± 1.414e−16
pull
Entries 50
Mean −5.76e+09
Std Dev 5.76e+09
×10¹²

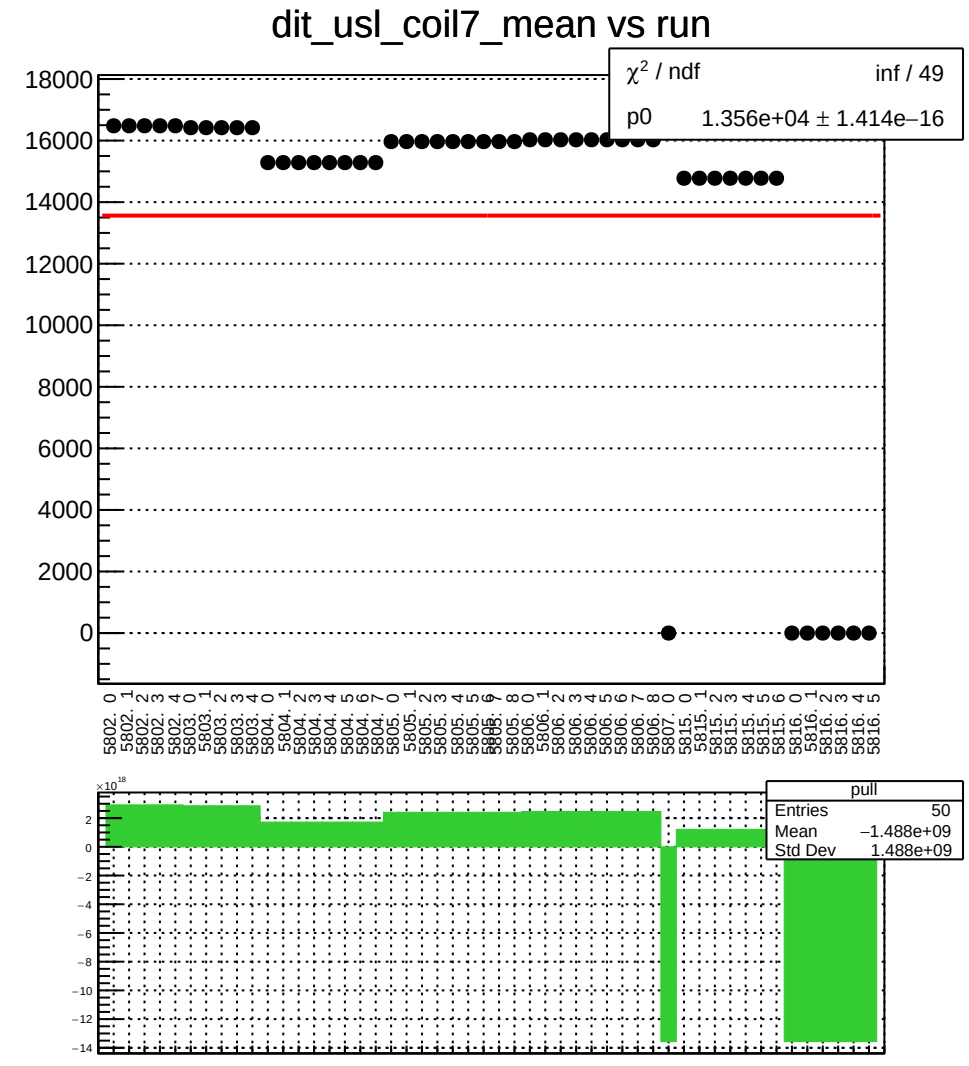

pull1D
Entries 50
Mean 0
Std Dev 0

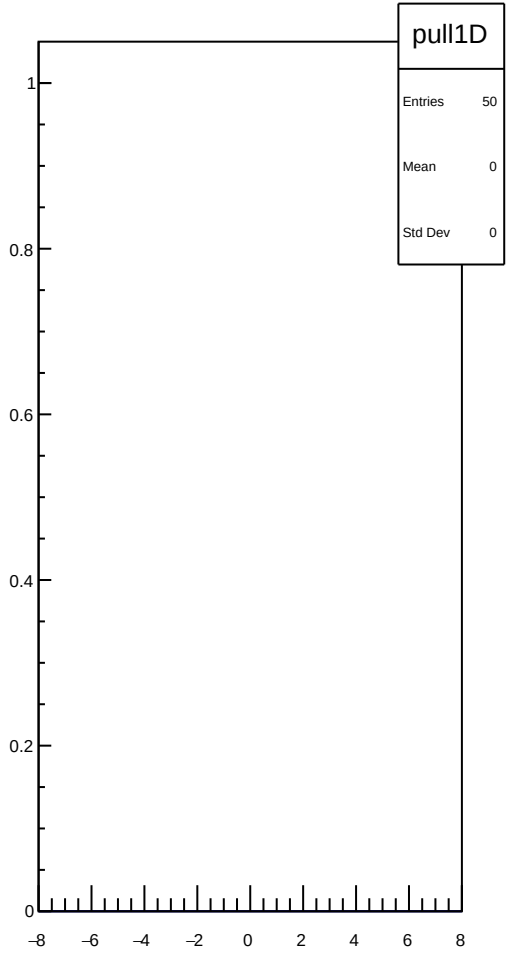

dit_4eY_coil7_err_mean vs run
χ² / ndf 1.631e+32 / 49
p0 2.714 ± 1.414e−16
pull
Entries 50
Mean 1.874e+09
Std Dev 1.874e+09
×10¹²

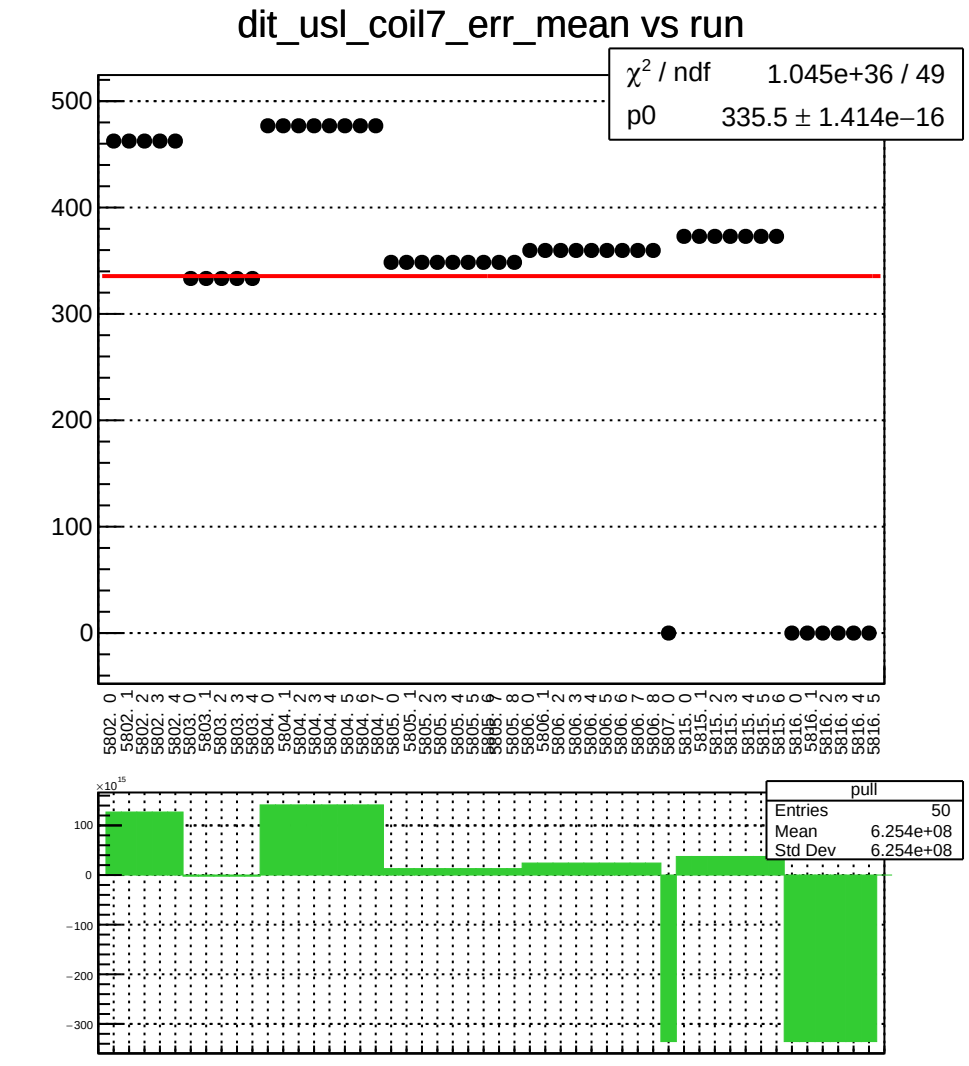

pull1D
Entries 50
Mean 0
Std Dev 0

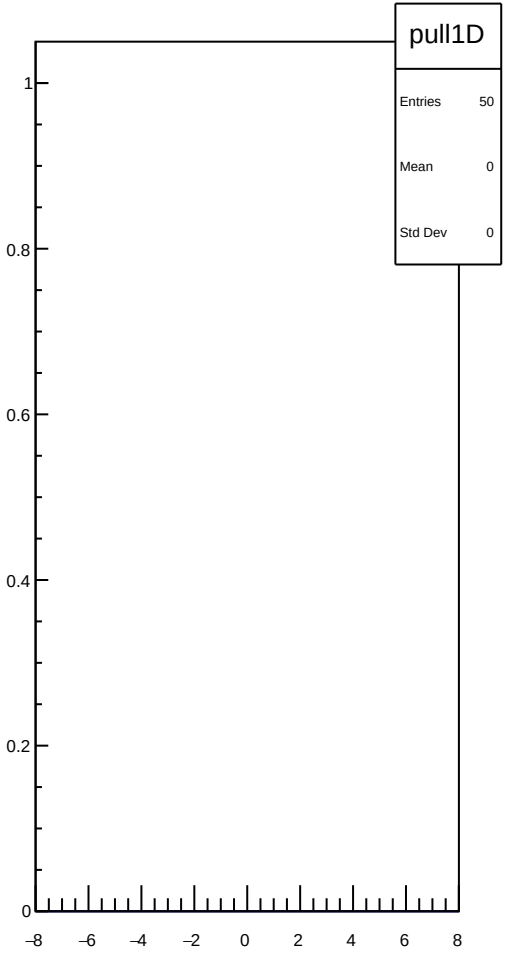

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

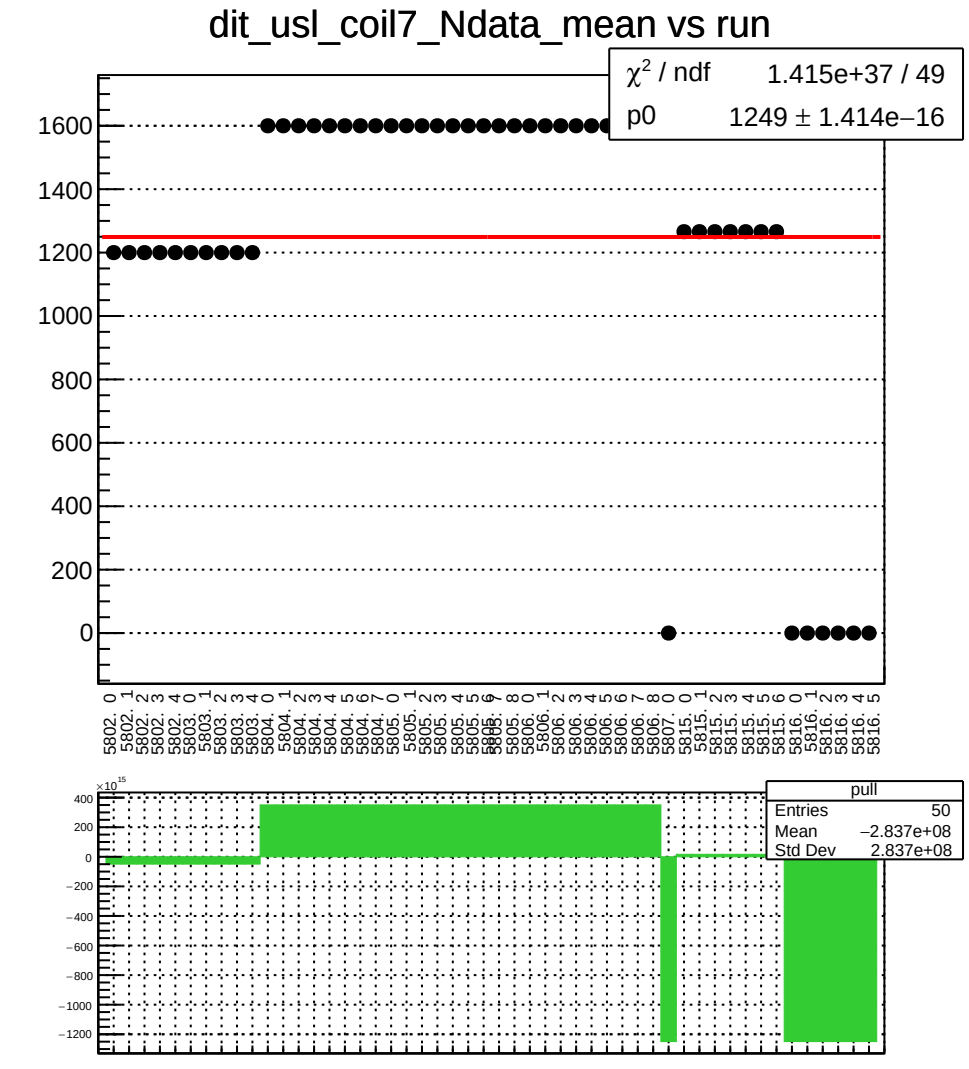

pull1D
Entries 50
Mean 0
Std Dev 0

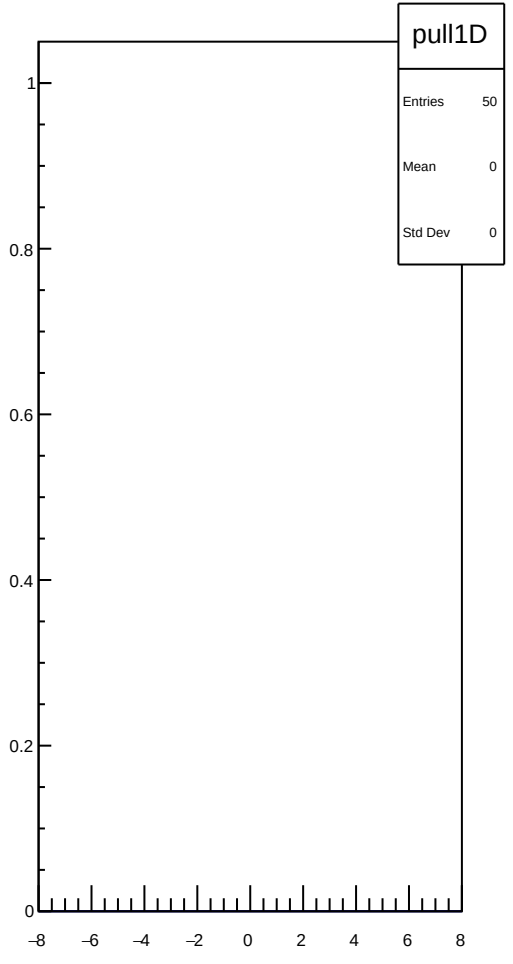

dit_usl_coil7_mean vs run
χ² / ndf inf / 49
p0 1.356e+04 ± 1.414e−16
pull
Entries 50
Mean −1.488e+09
Std Dev 1.488e+09

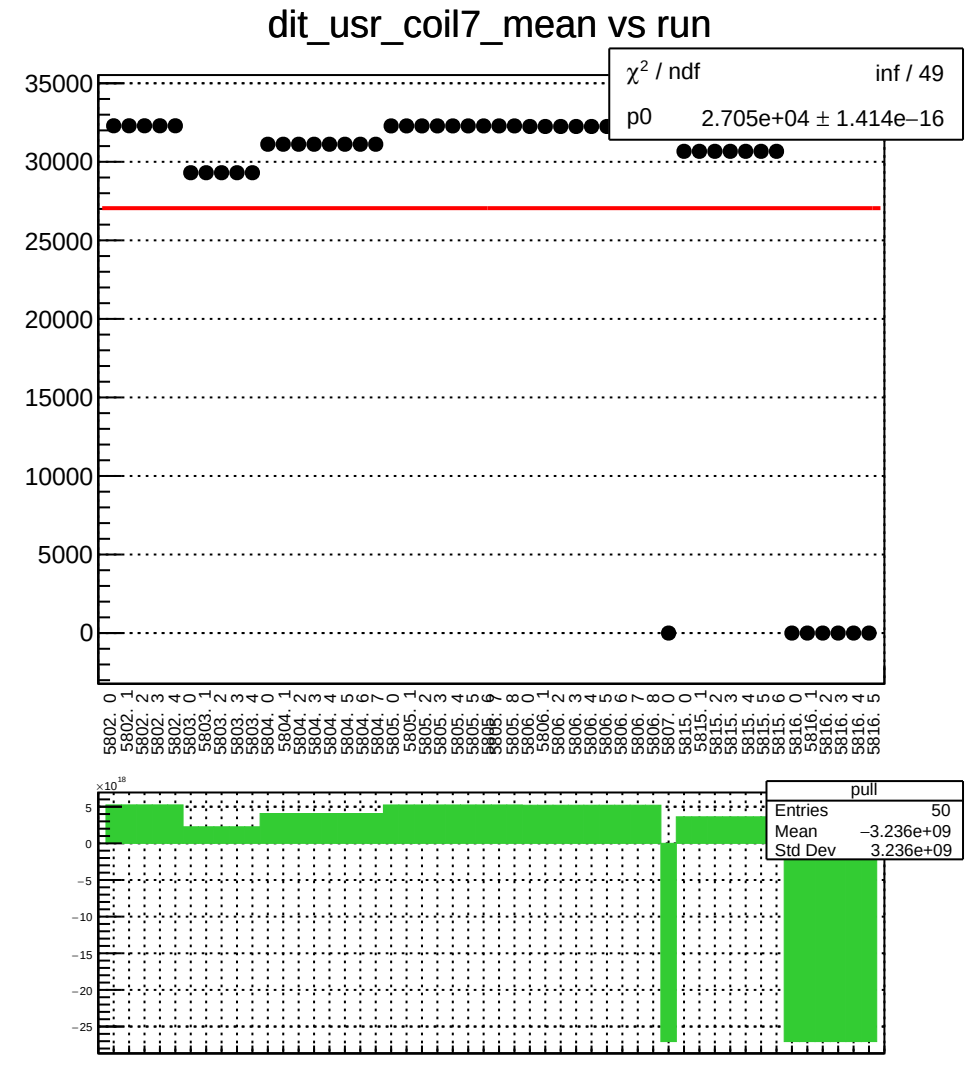

pull1D
Entries 50
Mean 0
Std Dev 0

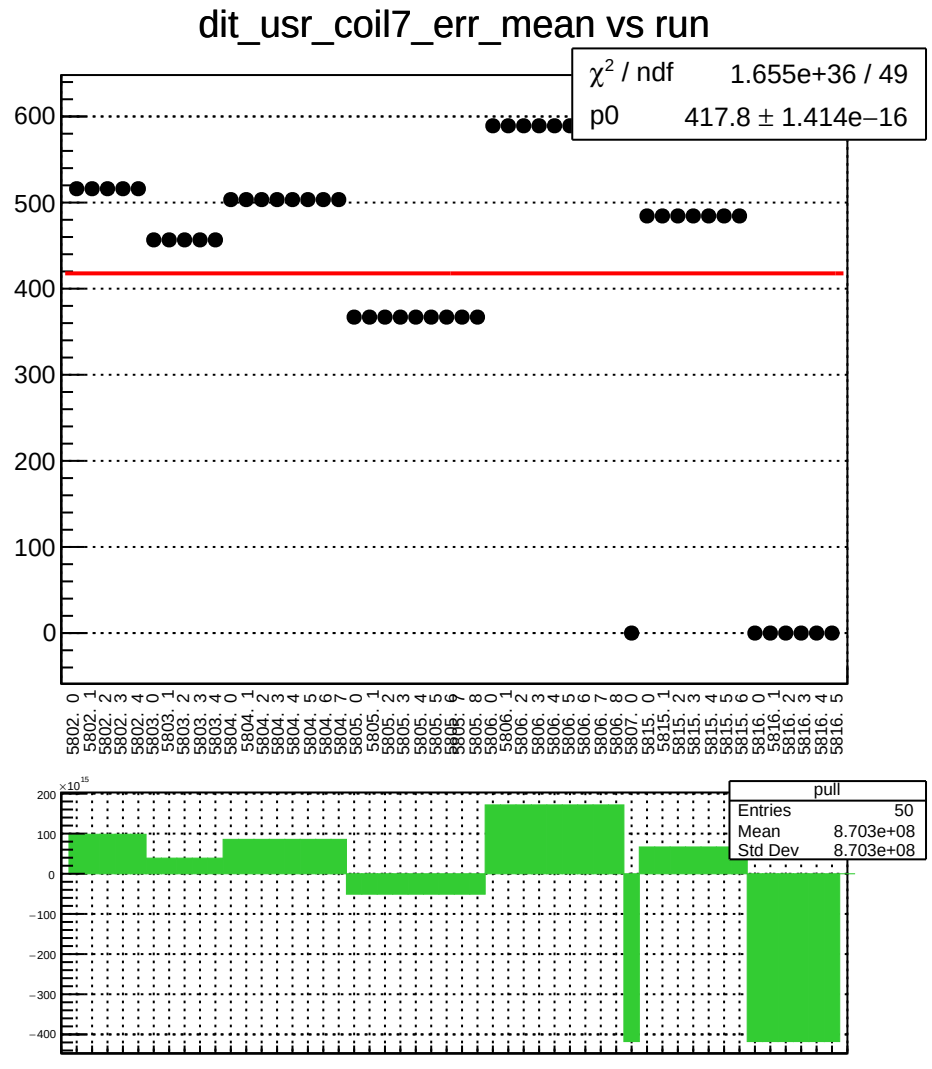

dit_usl_coil7_err_mean vs run
χ² / ndf 1.045e+36 / 49
p0 335.5 ± 1.414e−16
500
400
300
200
100
0
pull
Entries 50
Mean 6.254e+08
Std Dev 6.254e+08
×10¹⁵
100
0
−100
−200
−300

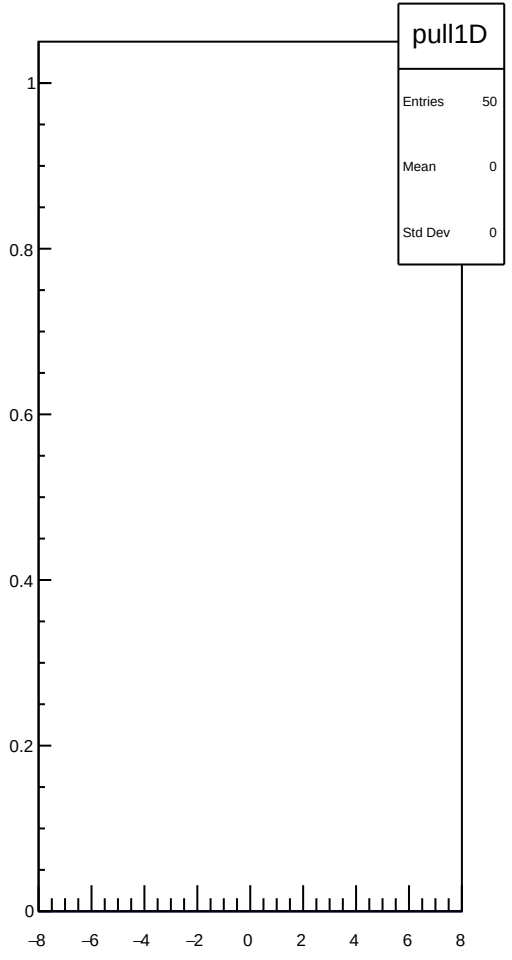

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

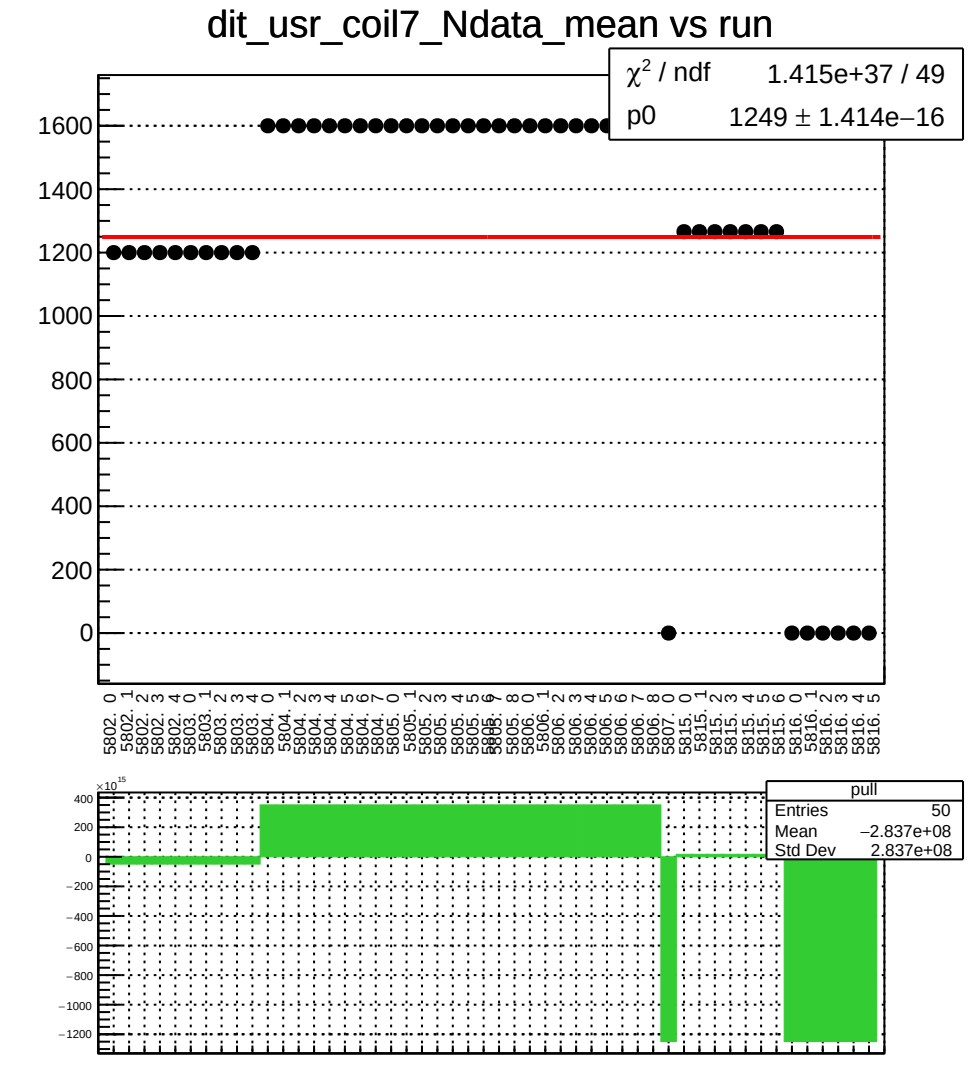

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

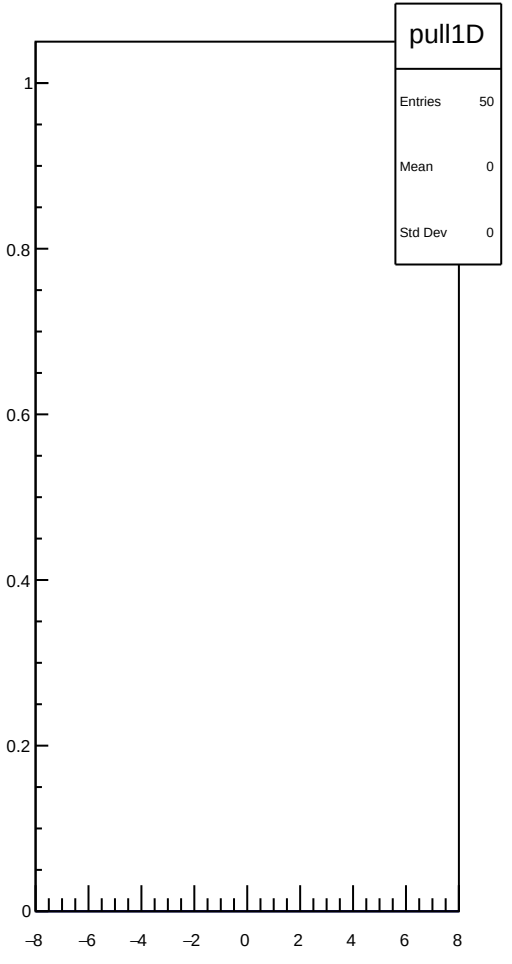

pull1D
Entries 50
Mean 0
Std Dev 0

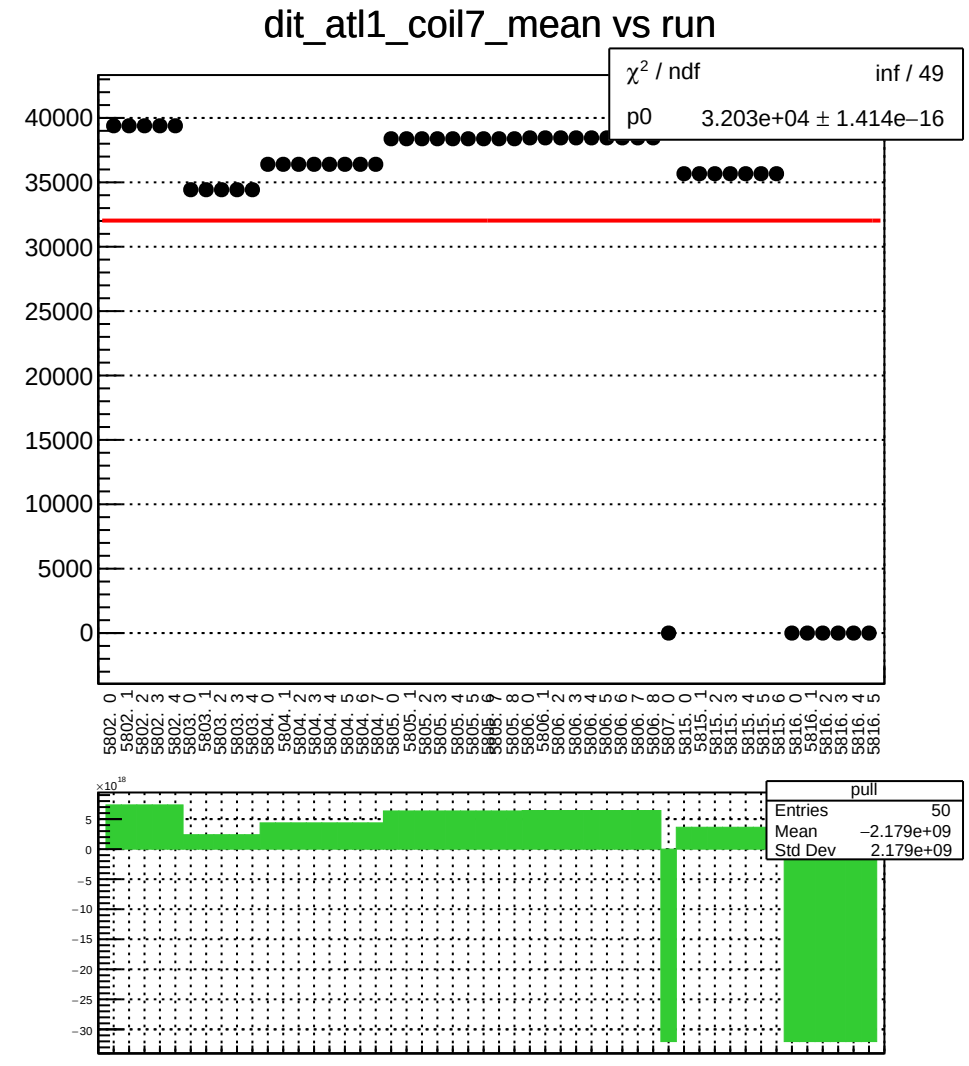

dit_usr_coil7_mean vs run
χ² / ndf inf / 49
p0 2.705e+04 ± 1.414e−16
35000
30000
25000
20000
15000
10000
5000
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull
Entries 50
Mean −3.236e+09
Std Dev 3.236e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

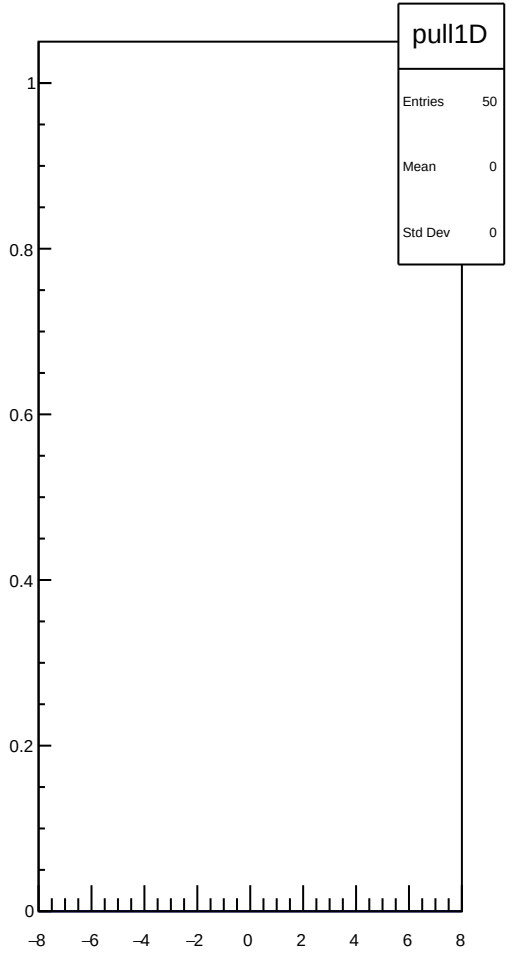

dit_usr_coil7_err_mean vs run
χ² / ndf 1.655e+36 / 49
p0 417.8 ± 1.414e−16
pull
Entries 50
Mean 8.703e+08
Std Dev 8.703e+08

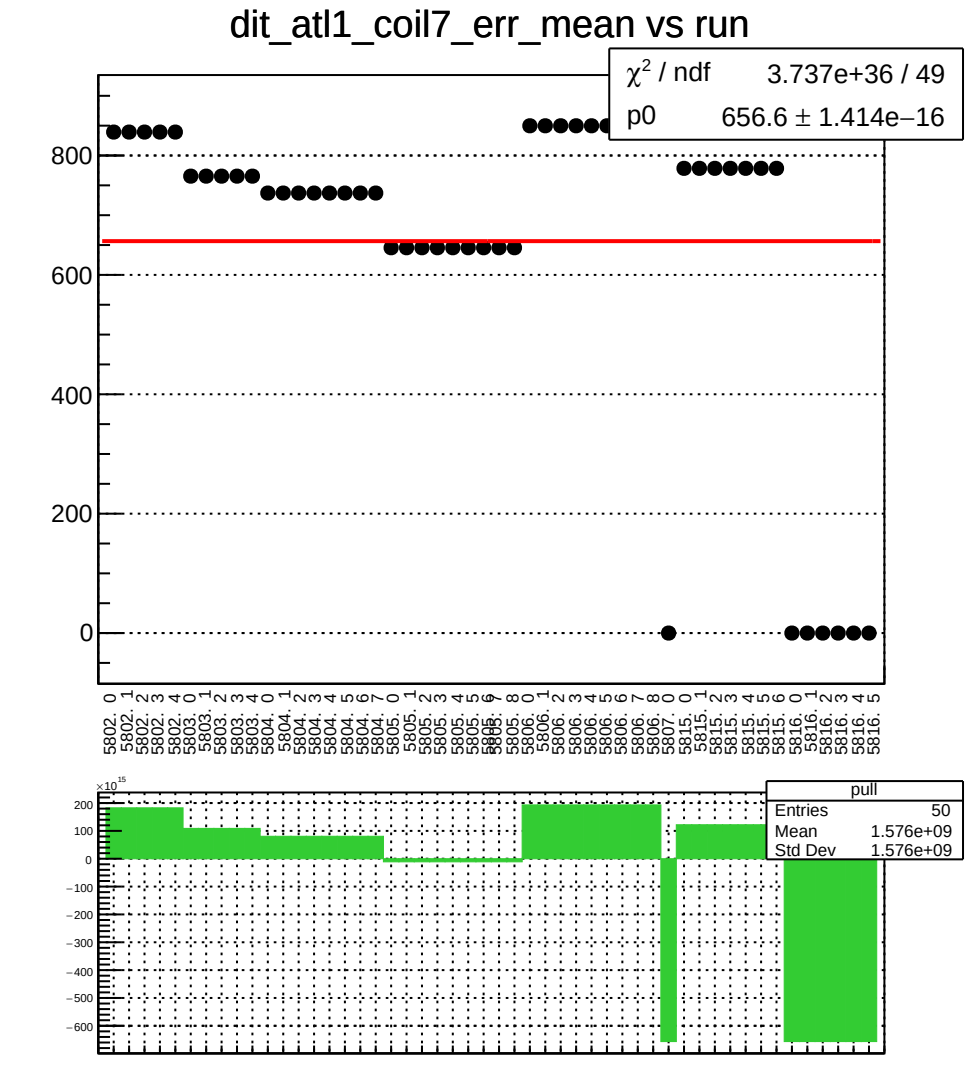

pull1D
Entries 50
Mean 0
Std Dev 0

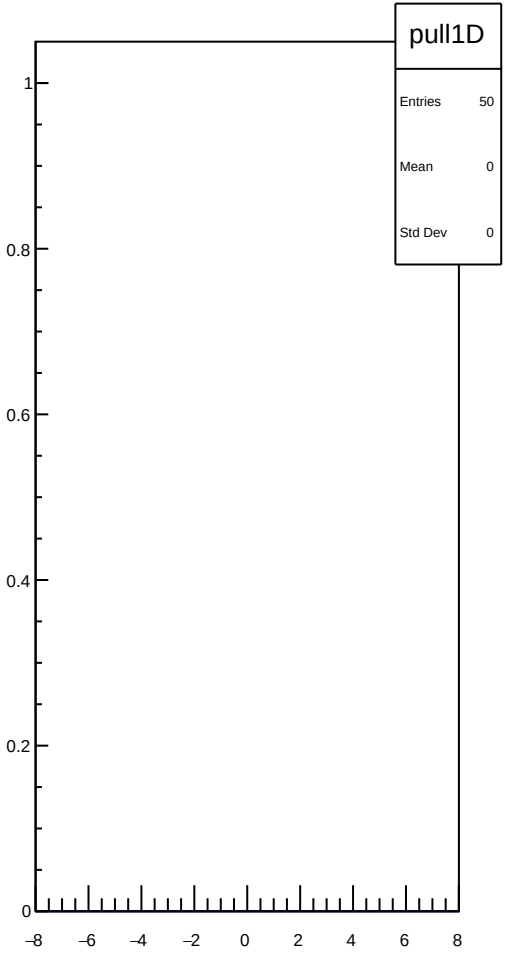

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200

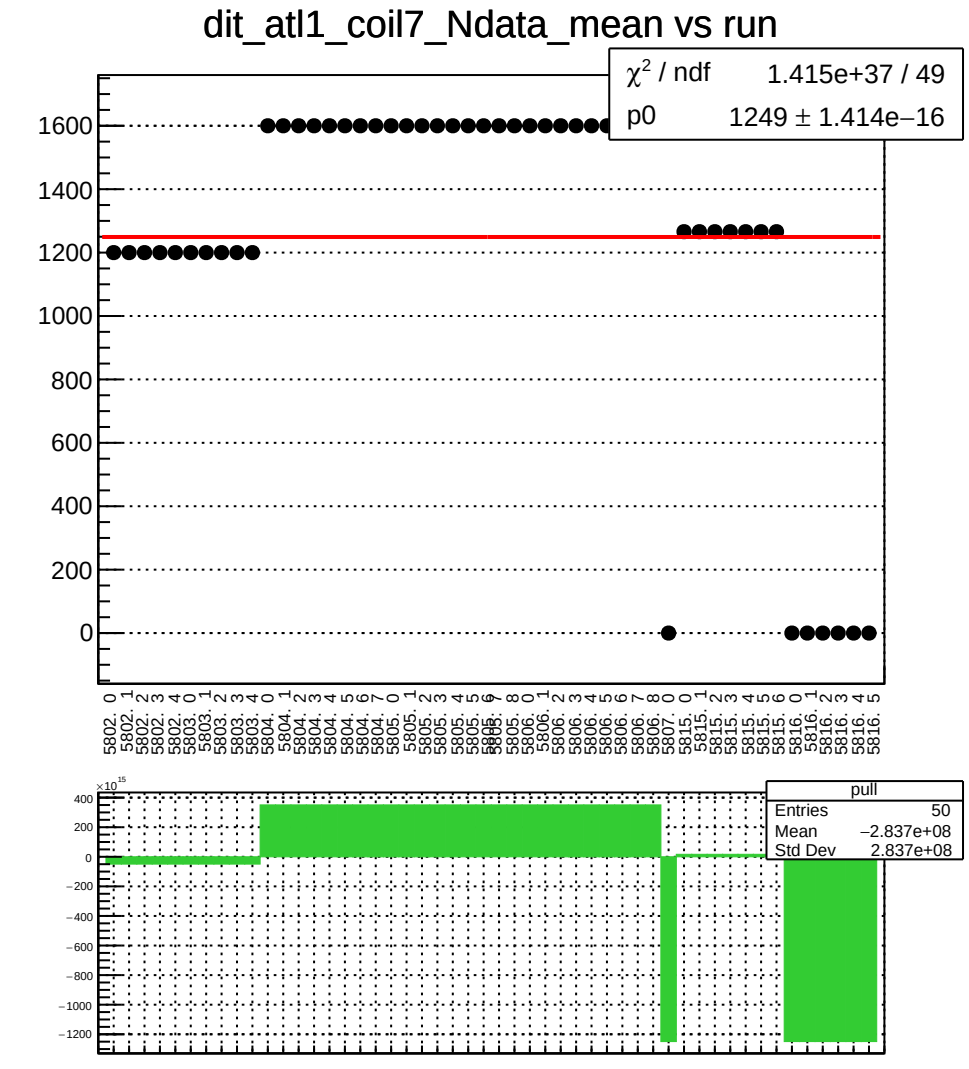

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

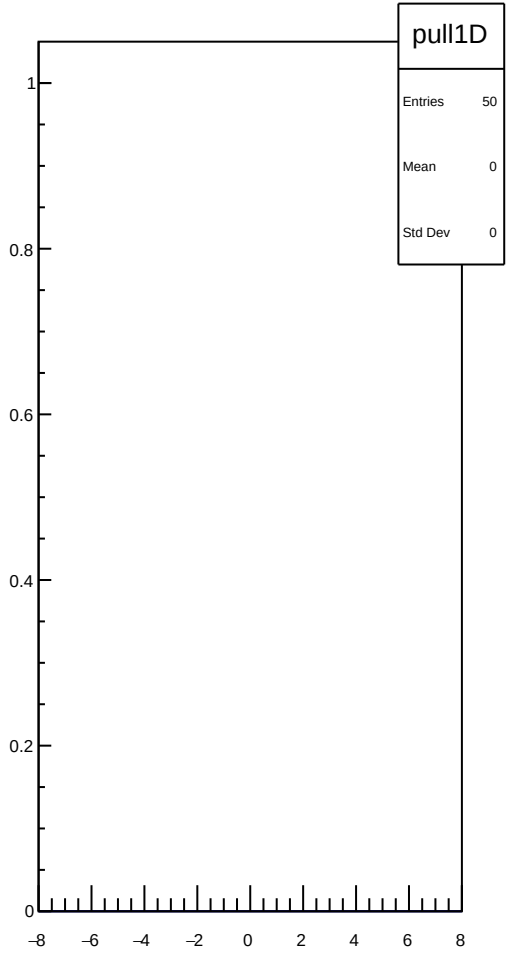

dit_atl1_coil7_mean vs run
χ² / ndf inf / 49
p0 3.203e+04 ± 1.414e−16
pull
Entries 50
Mean −2.179e+09
Std Dev 2.179e+09

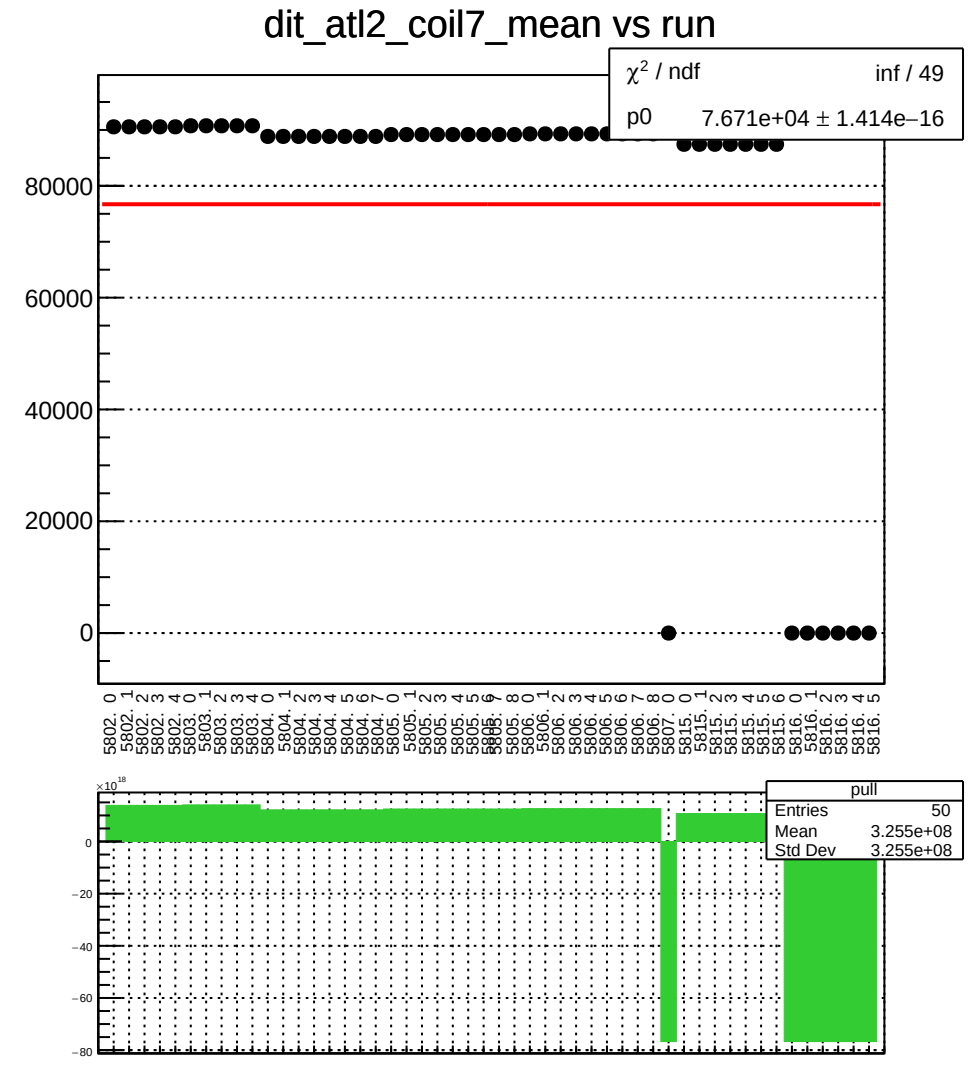

pull1D
Entries 50
Mean 0
Std Dev 0

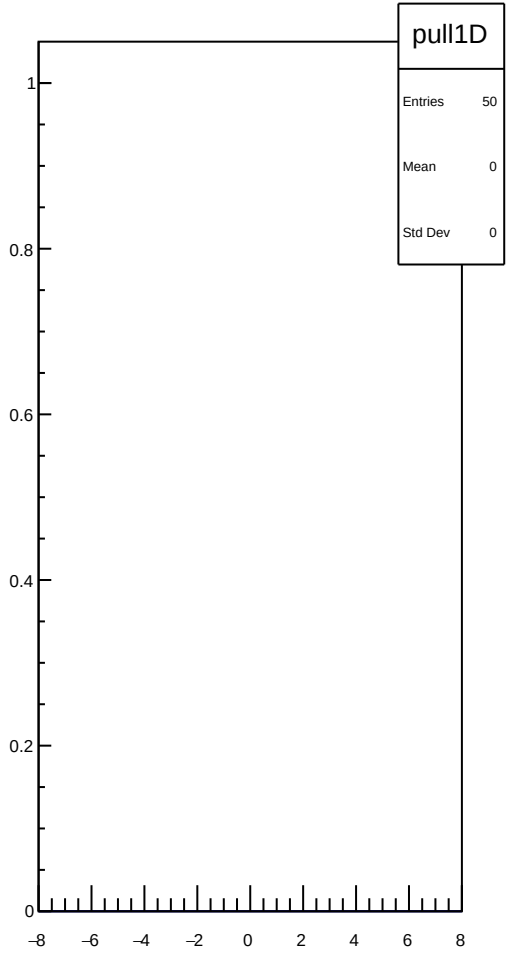

dit_atl1_coil7_err_mean vs run
χ² / ndf 3.737e+36 / 49
p0 656.6 ± 1.414e−16
800
600
400
200
0
pull
Entries 50
Mean 1.576e+09
Std Dev 1.576e+09
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
−600

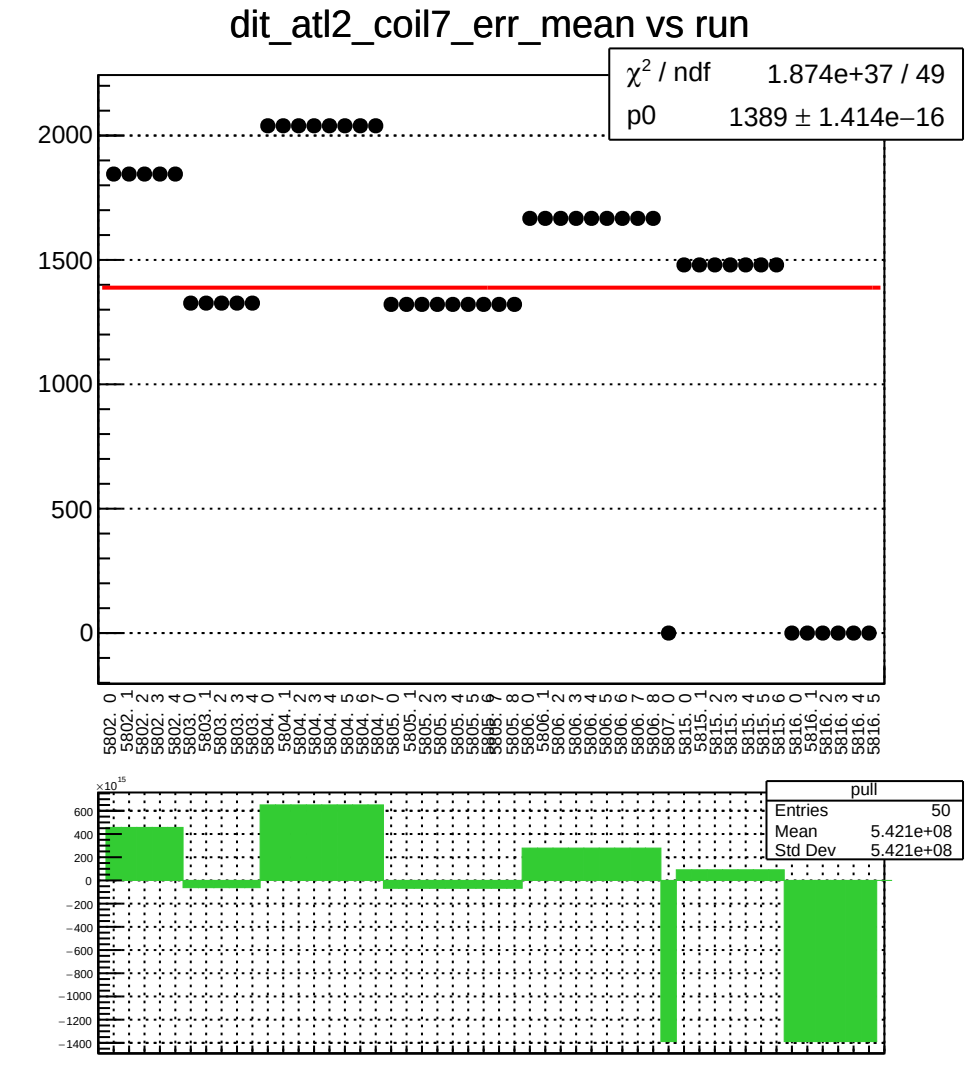

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

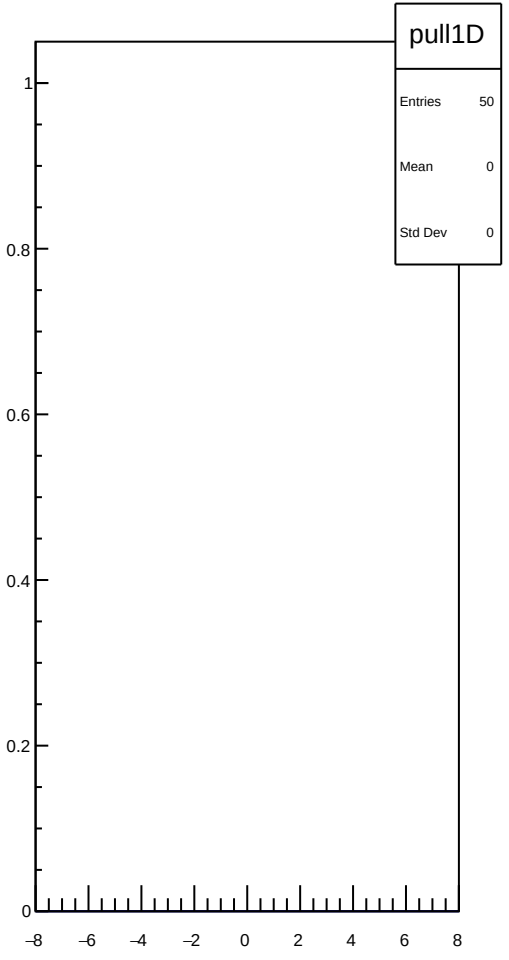

dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

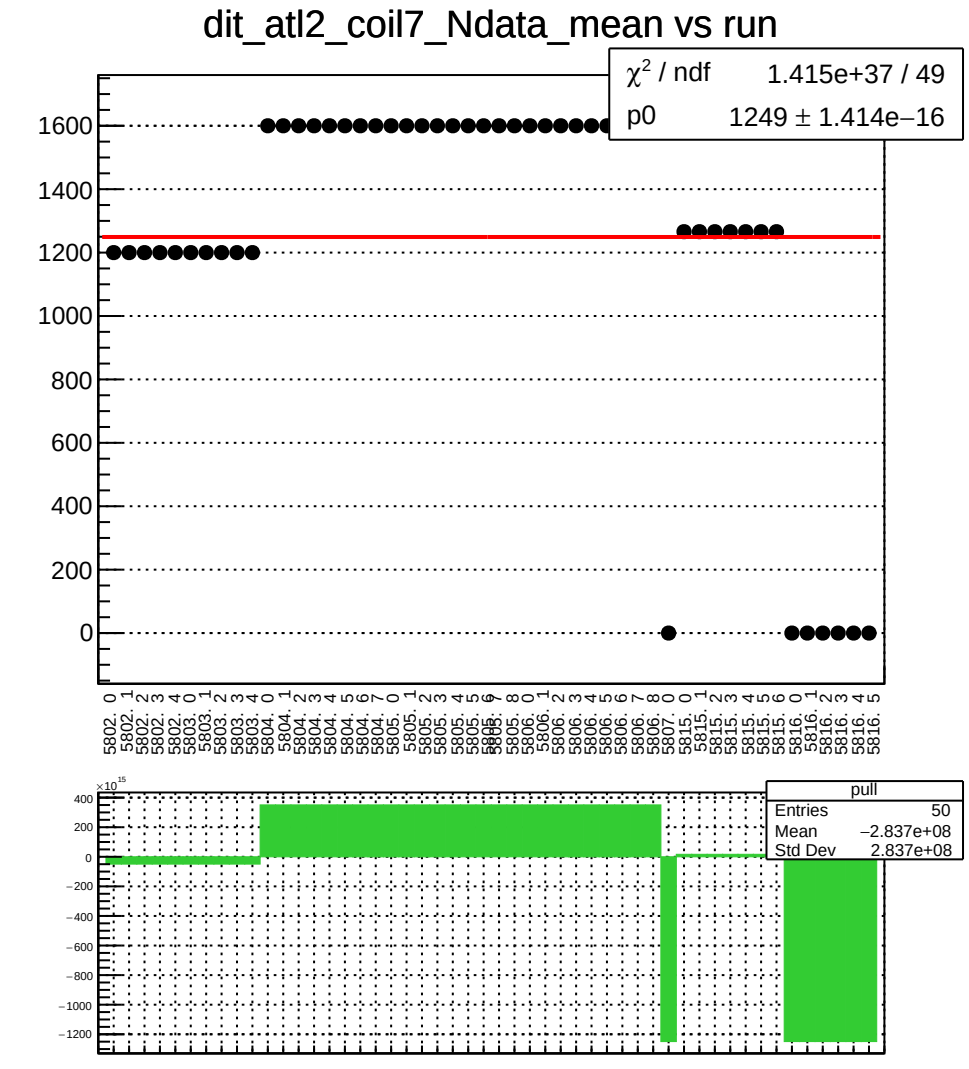

pull1D
Entries 50
Mean 0
Std Dev 0

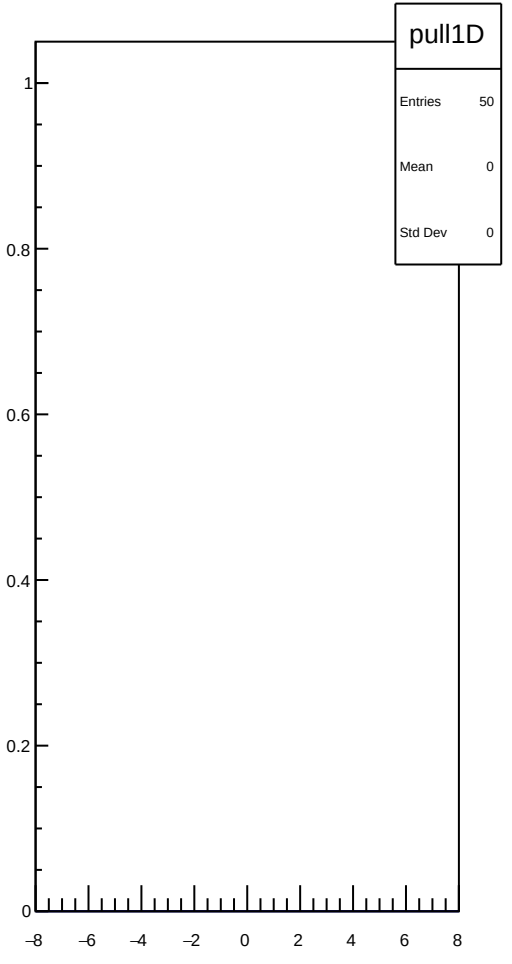

dit_atl2_coil7_mean vs run
χ² / ndf inf / 49
p0 7.671e+04 ± 1.414e−16
80000
60000
40000
20000
0
pull
Entries 50
Mean 3.255e+08
Std Dev 3.255e+08
×10¹⁸
0
−20
−40
−60
−80

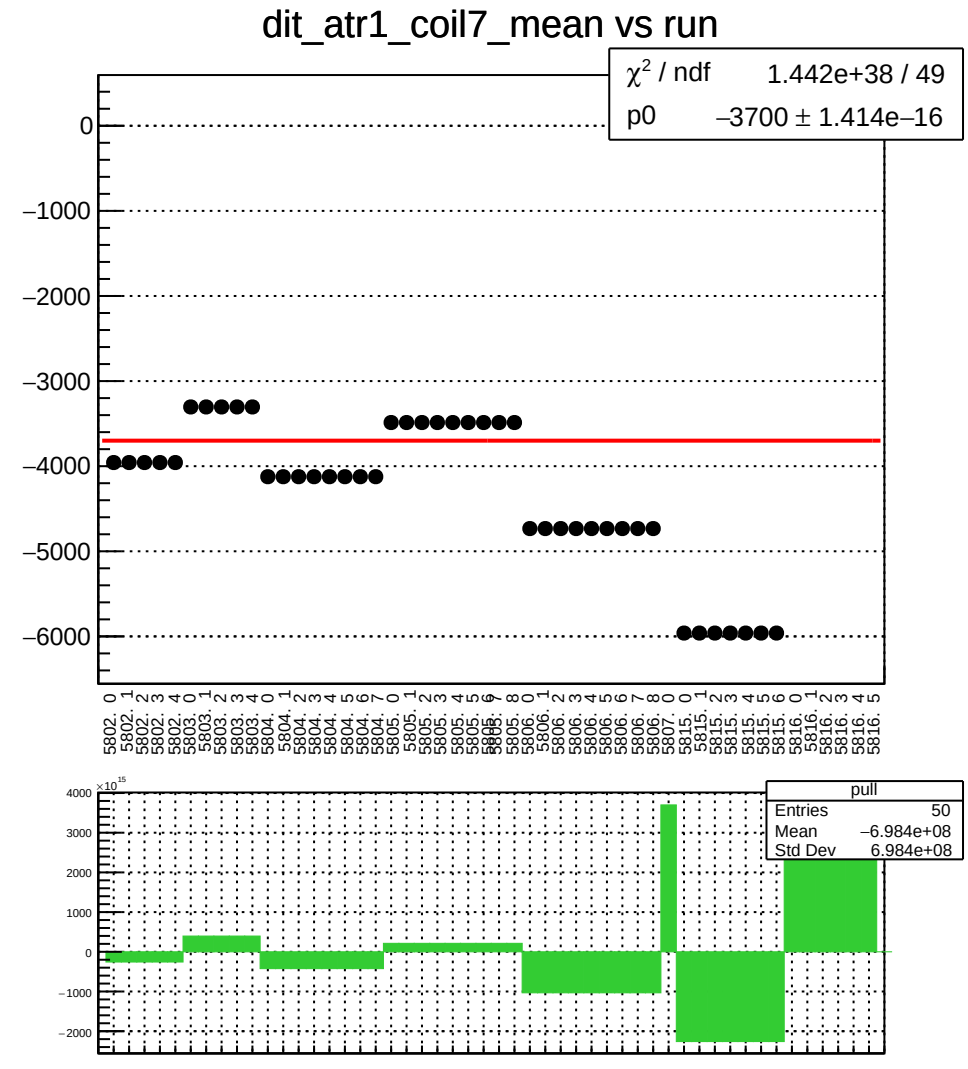

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

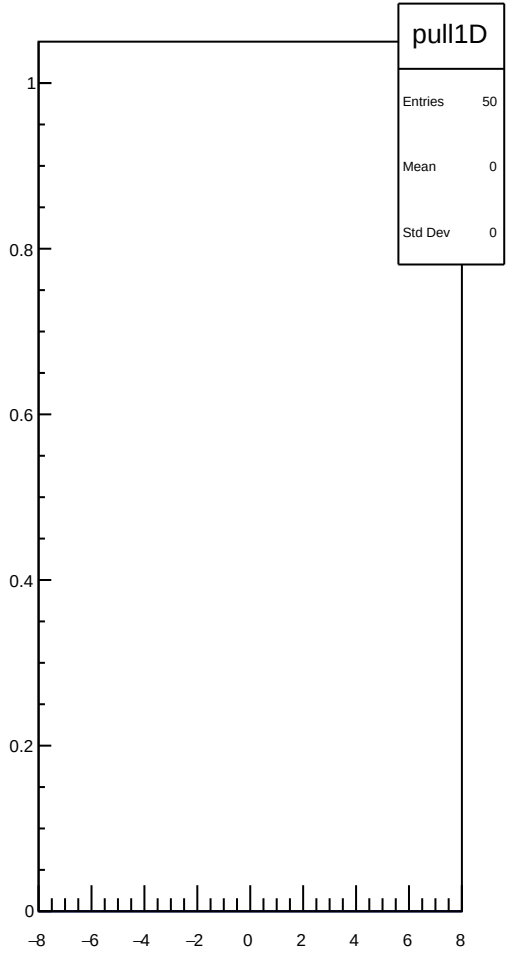

dit_atl2_coil7_err_mean vs run
χ² / ndf 1.874e+37 / 49
p0 1389 ± 1.414e−16
2000
1500
1000
500
0
pull
Entries 50
Mean 5.421e+08
Std Dev 5.421e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

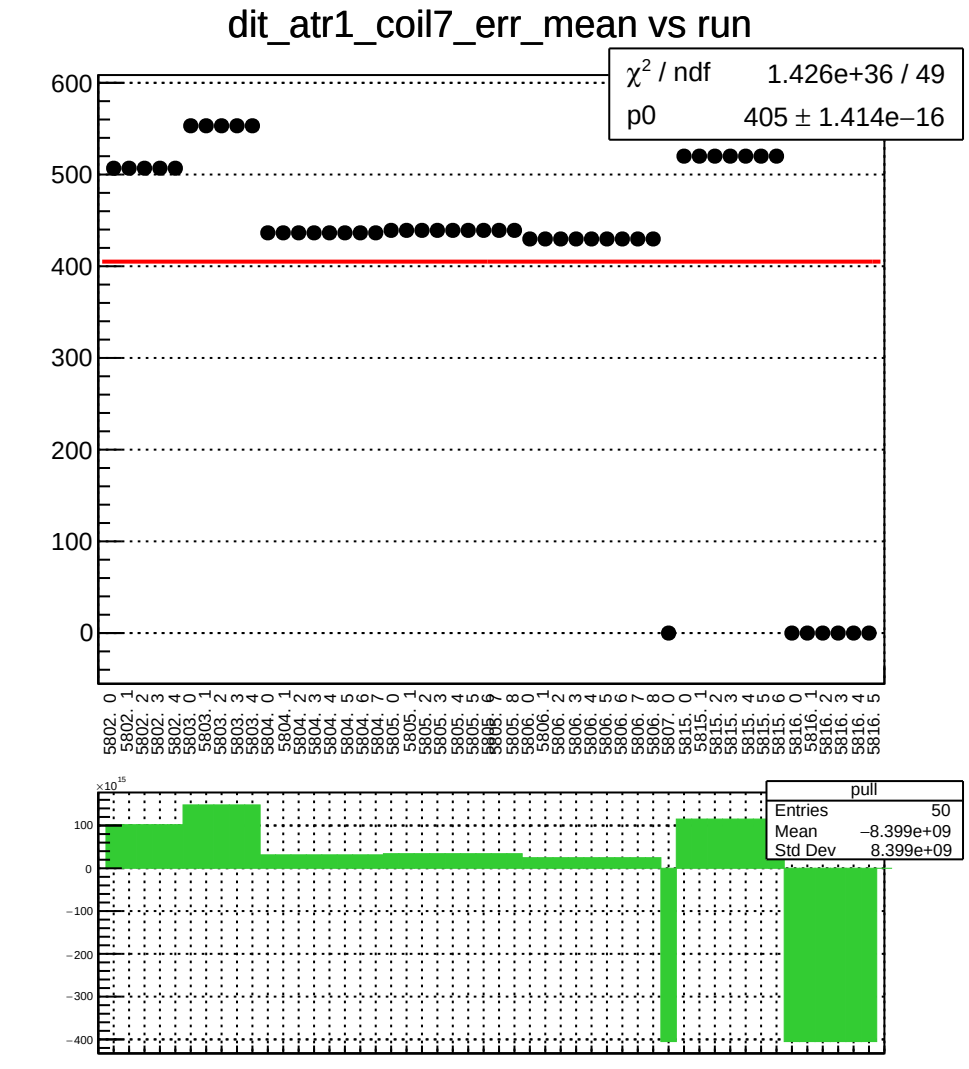

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

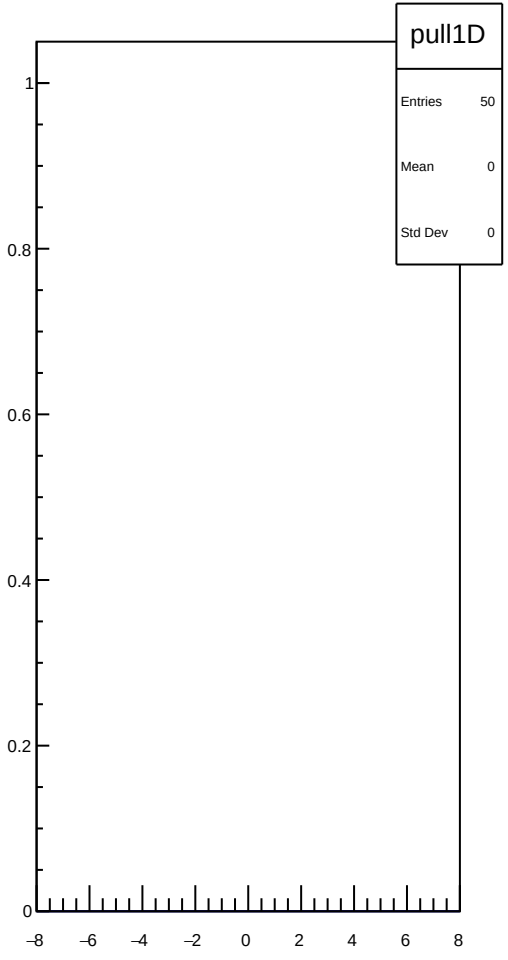

dit_atl2_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200

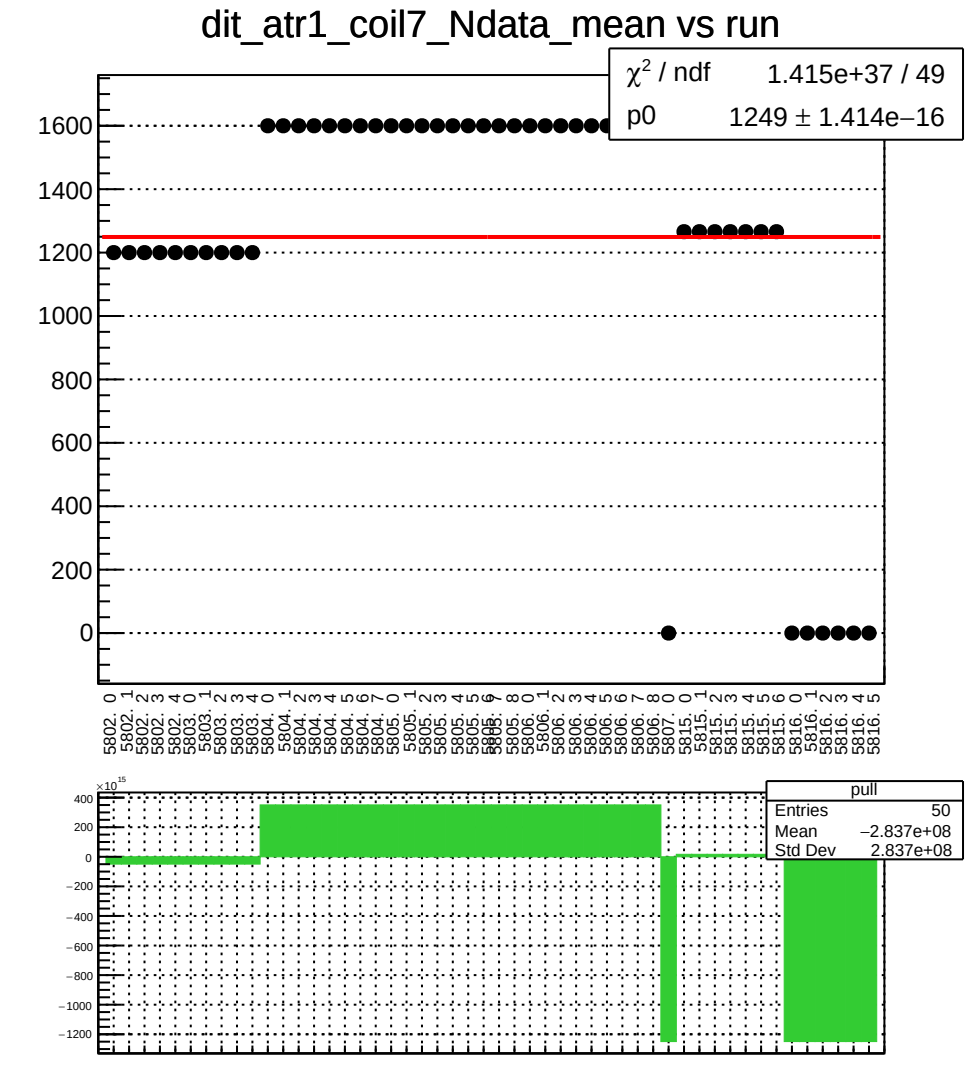

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

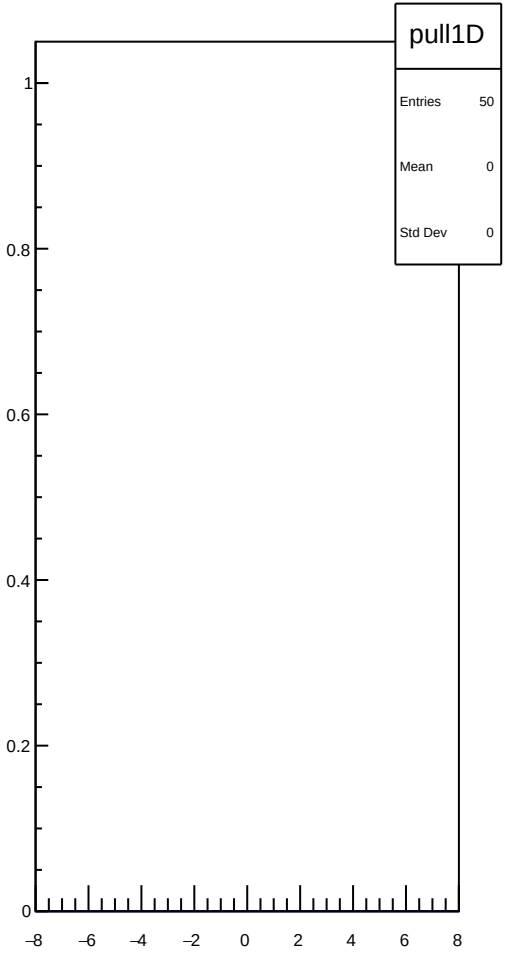

dit_atr1_coil7_mean vs run
χ² / ndf 1.442e+38 / 49
p0 –3700 ± 1.414e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 50
Mean –6.984e+08
Std Dev 6.984e+08
4000
3000
2000
1000
0
–1000
–2000

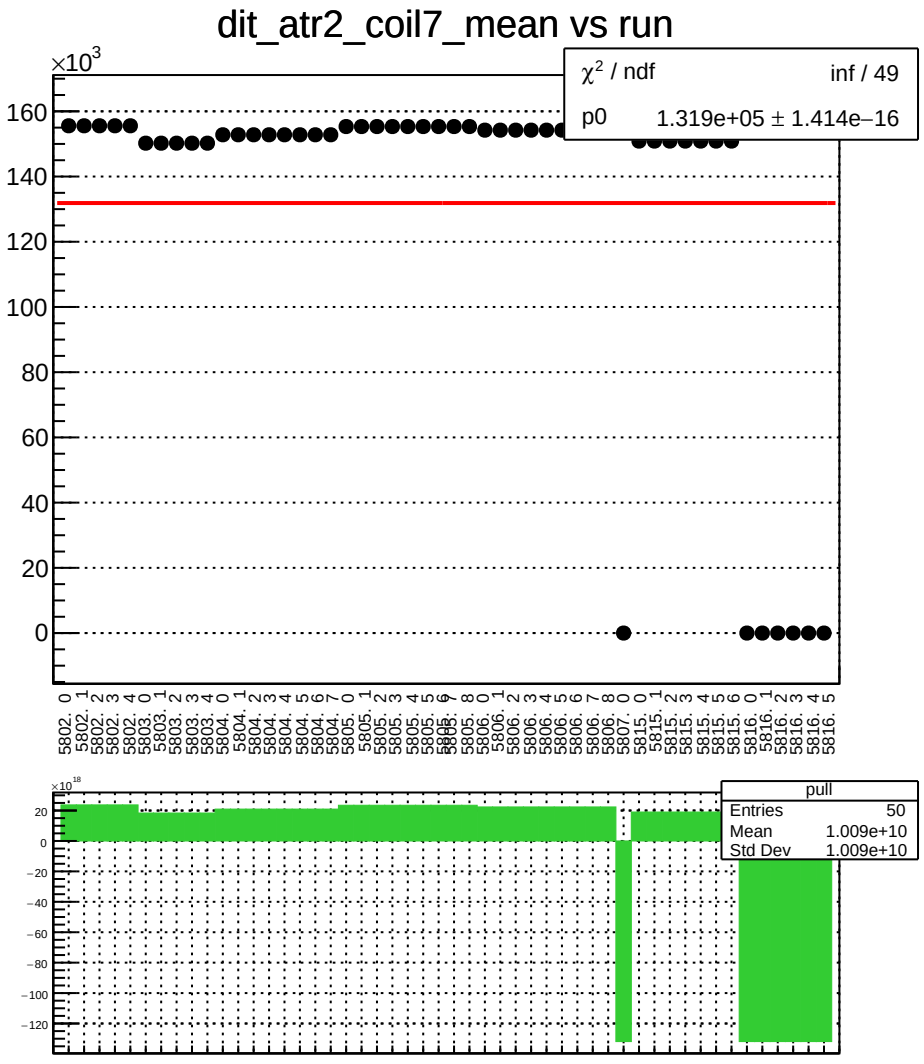

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

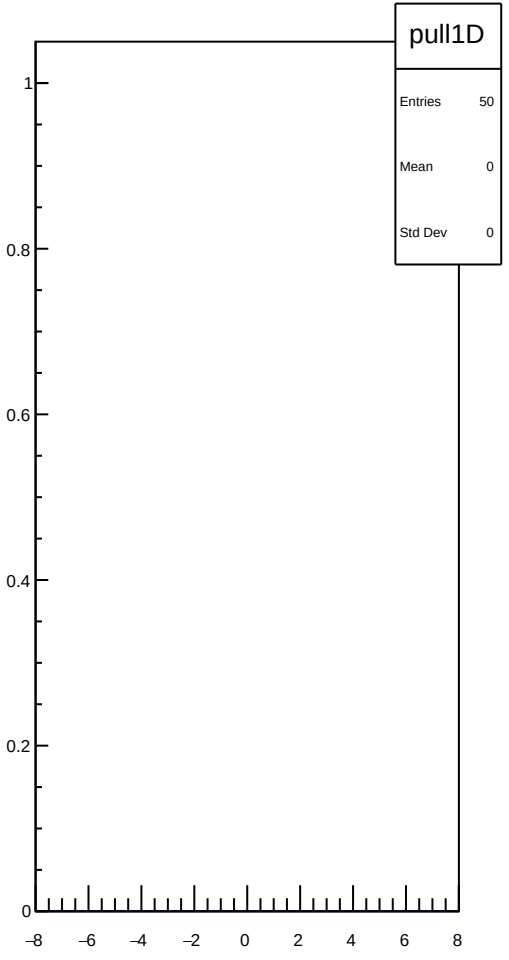

dit_atr1_coil7_err_mean vs run
χ² / ndf 1.426e+36 / 49
p0 405 ± 1.414e−16
pull
Entries 50
Mean −8.399e+09
Std Dev 8.399e+09

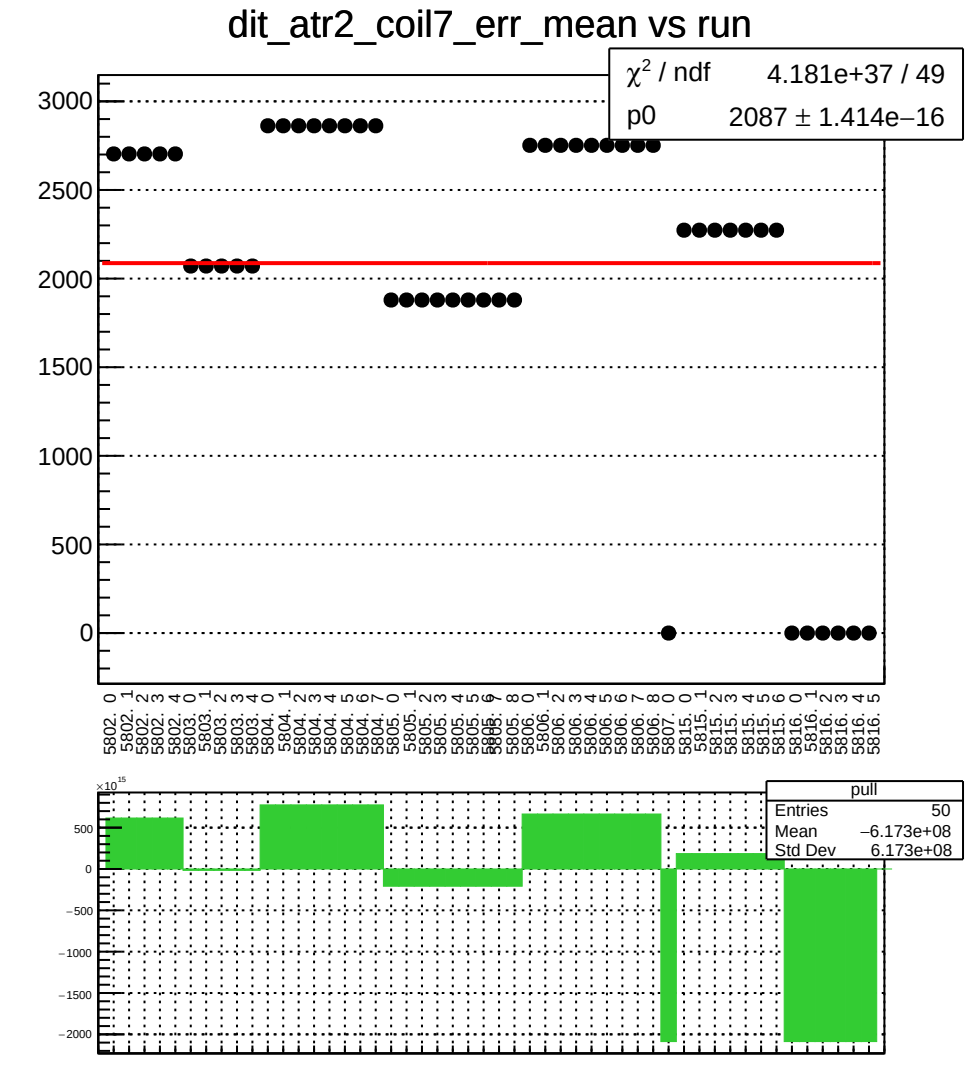

pull1D
Entries 50
Mean 0
Std Dev 0

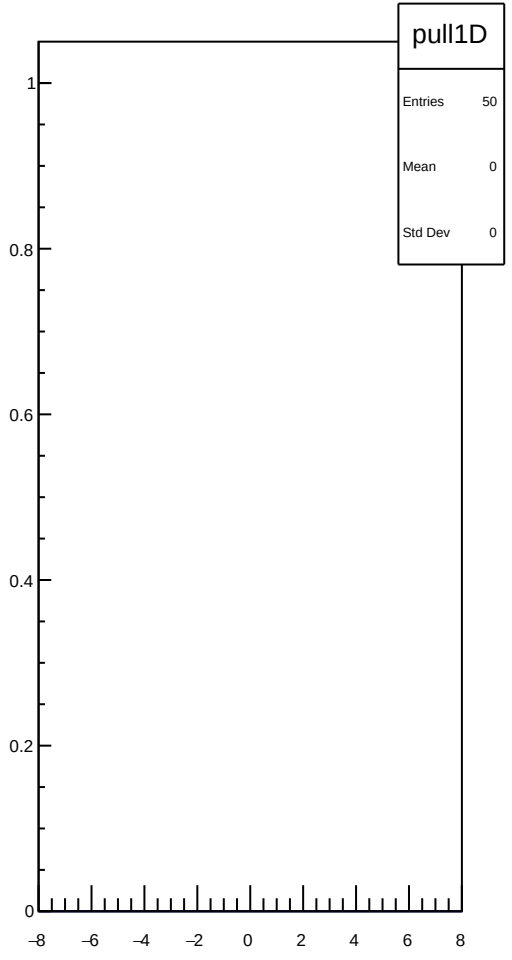

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200

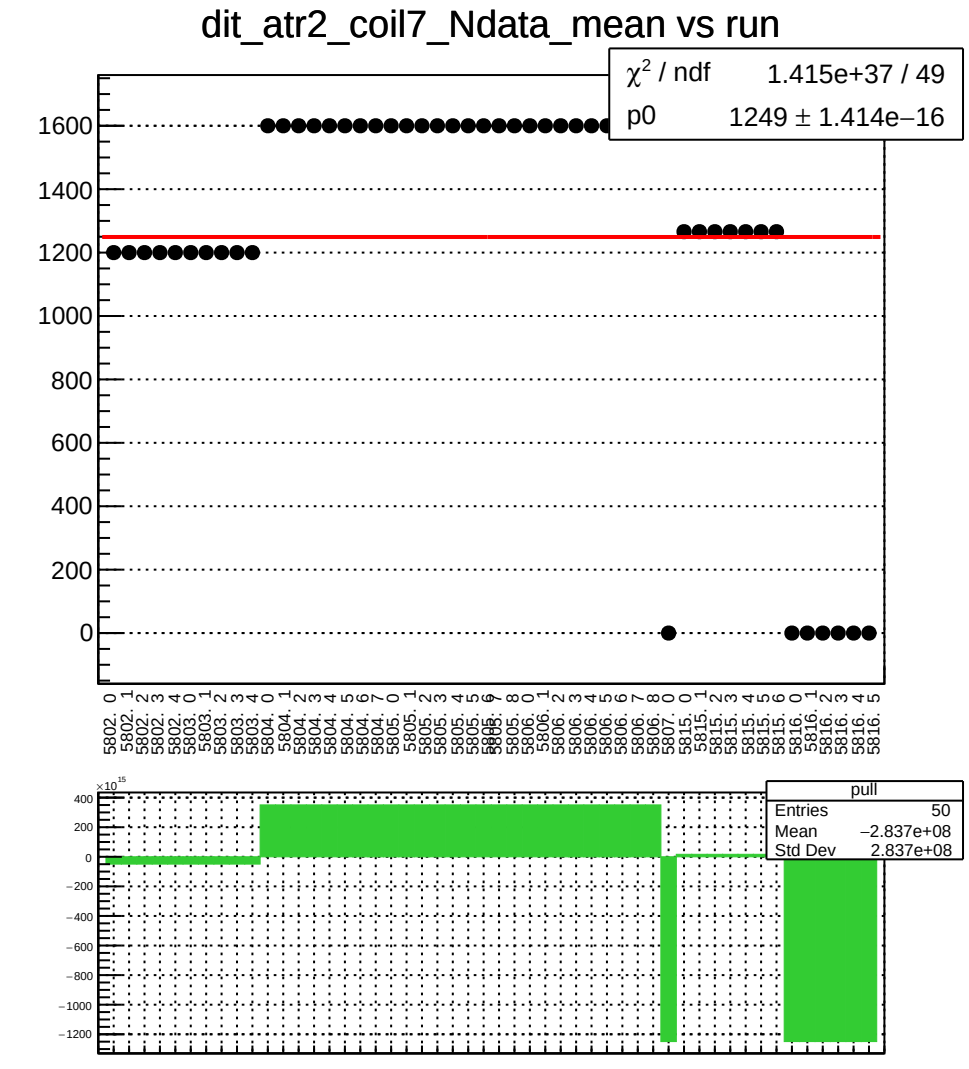

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

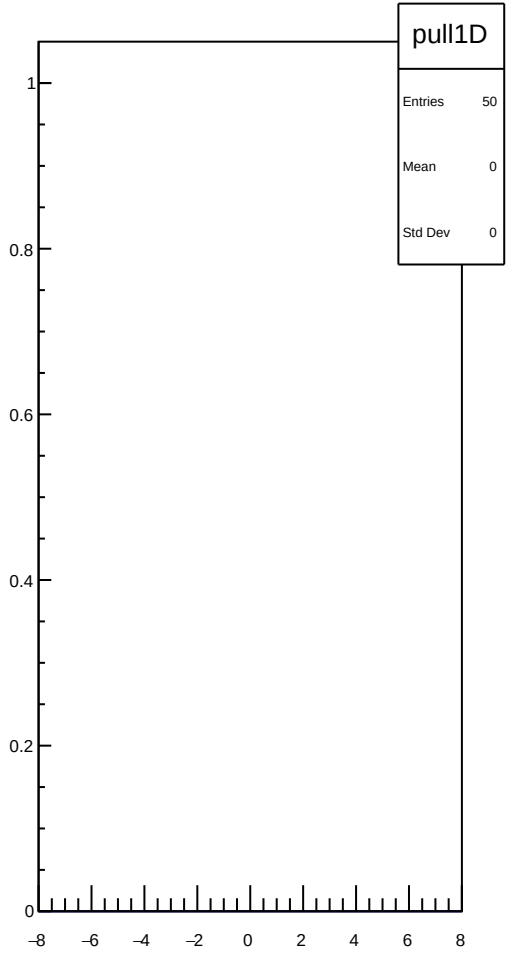

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 49
p0 1.319e+05 ± 1.414e−16
160
140
120
100
80
60
40
20
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10^18
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 50
Mean 1.009e+10
Std Dev 1.009e+10

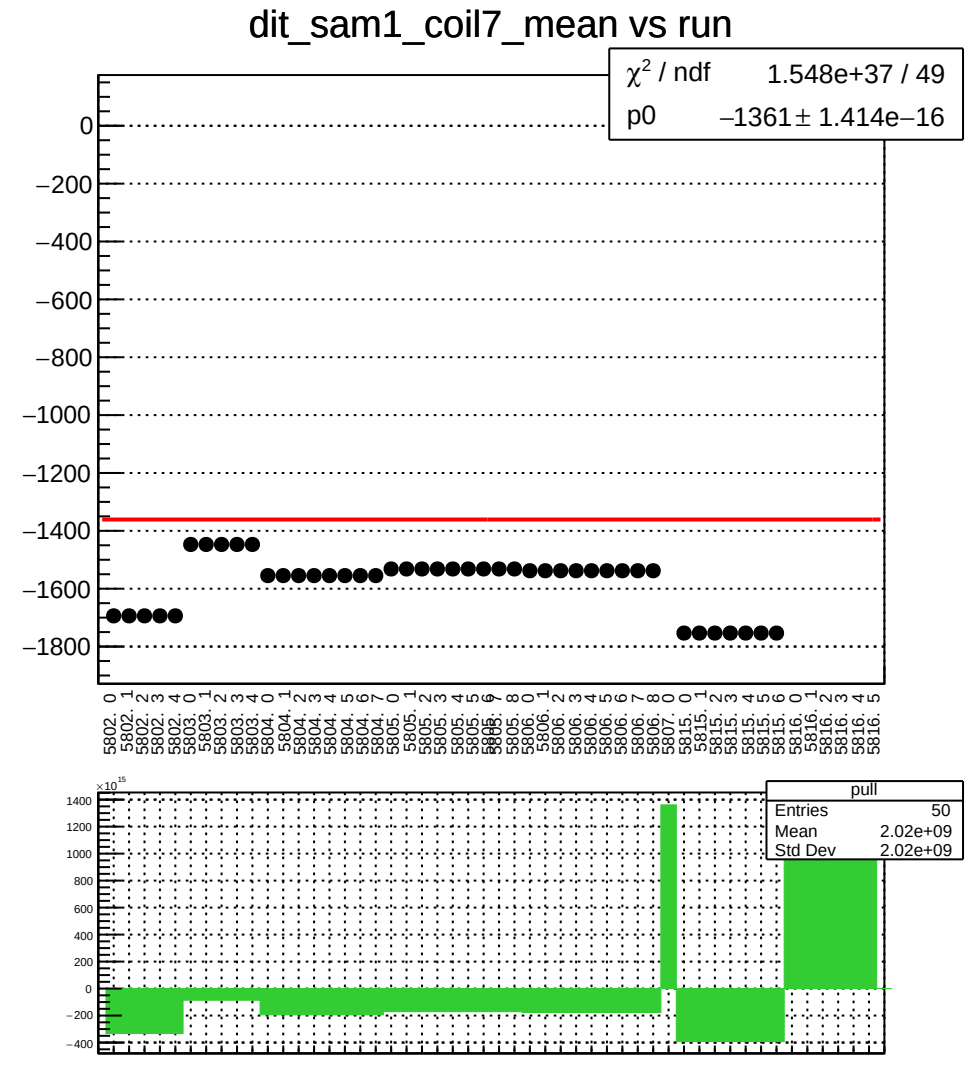

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

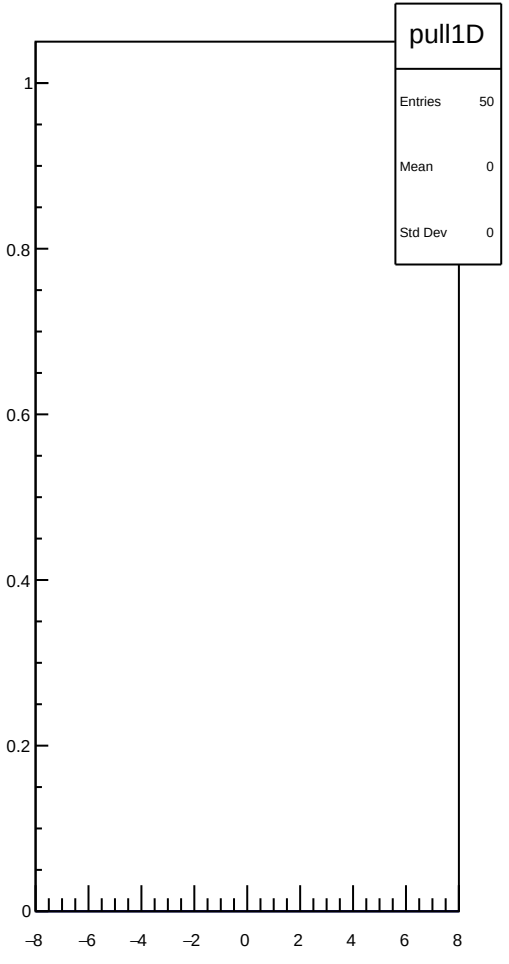

dit_atr2_coil7_err_mean vs run
χ² / ndf 4.181e+37 / 49
p0 2087 ± 1.414e−16
pull
Entries 50
Mean −6.173e+08
Std Dev 6.173e+08

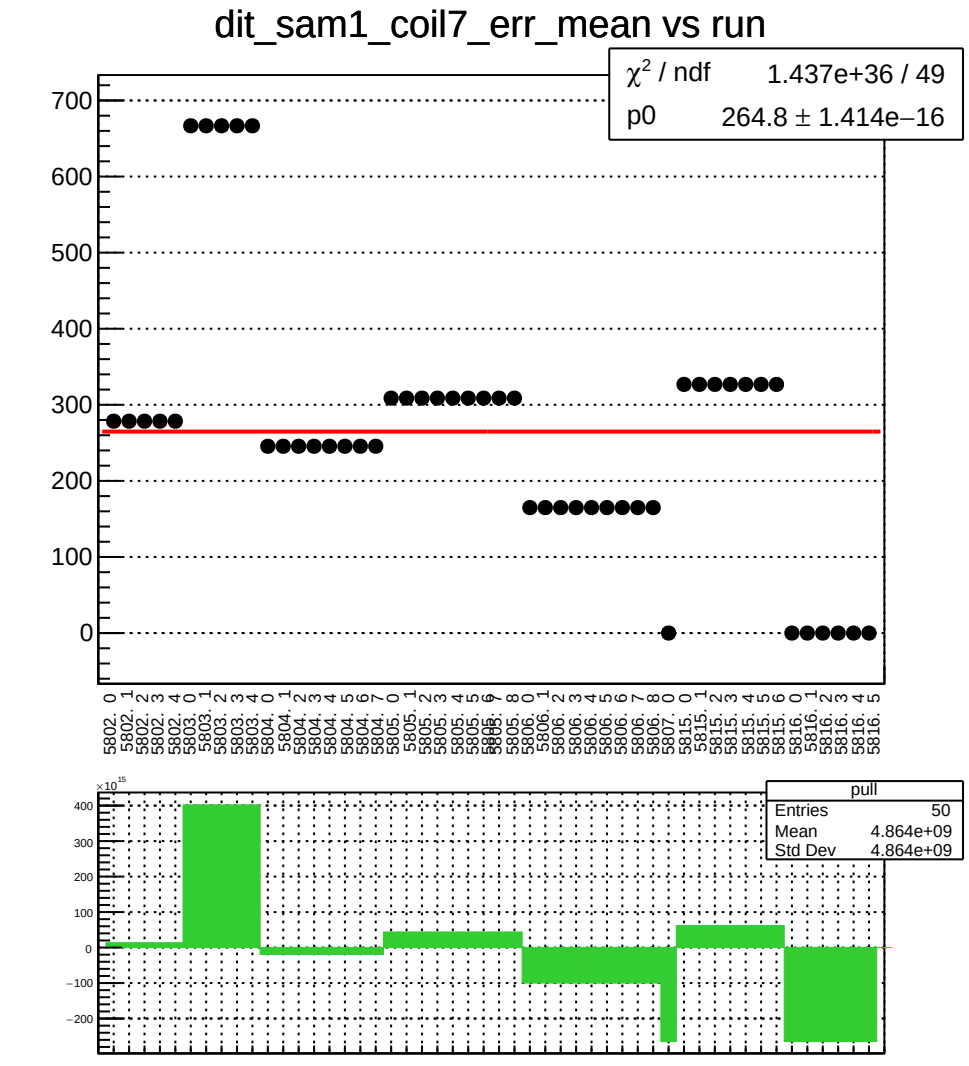

pull1D
Entries 50
Mean 0
Std Dev 0

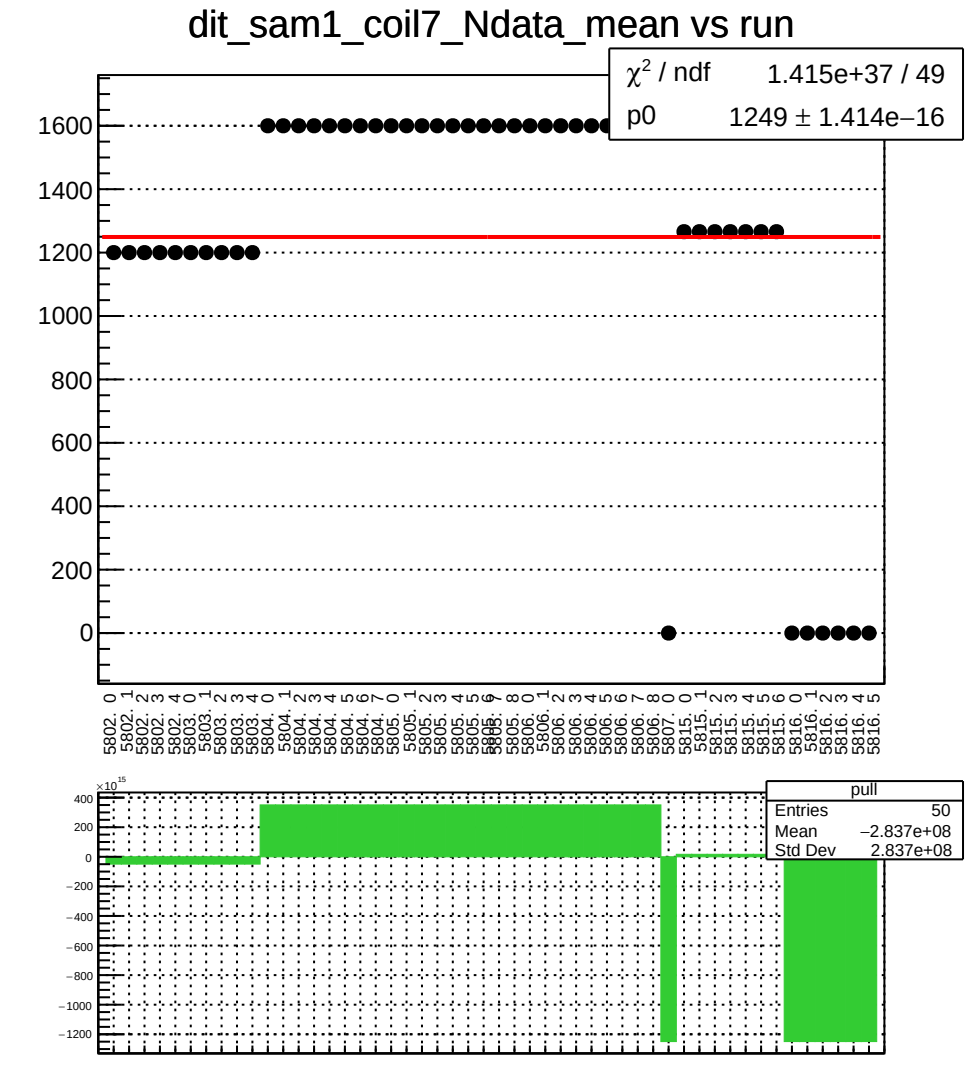

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

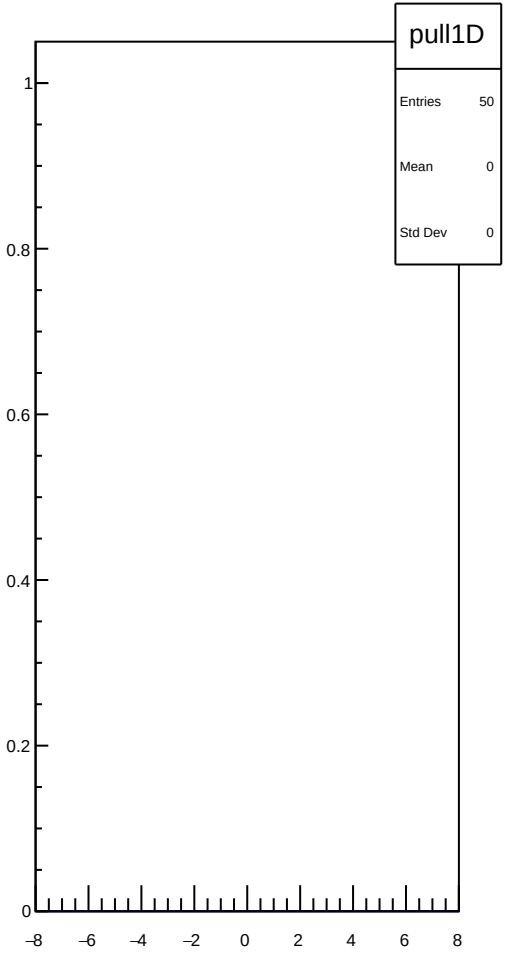

pull1D
Entries 50
Mean 0
Std Dev 0

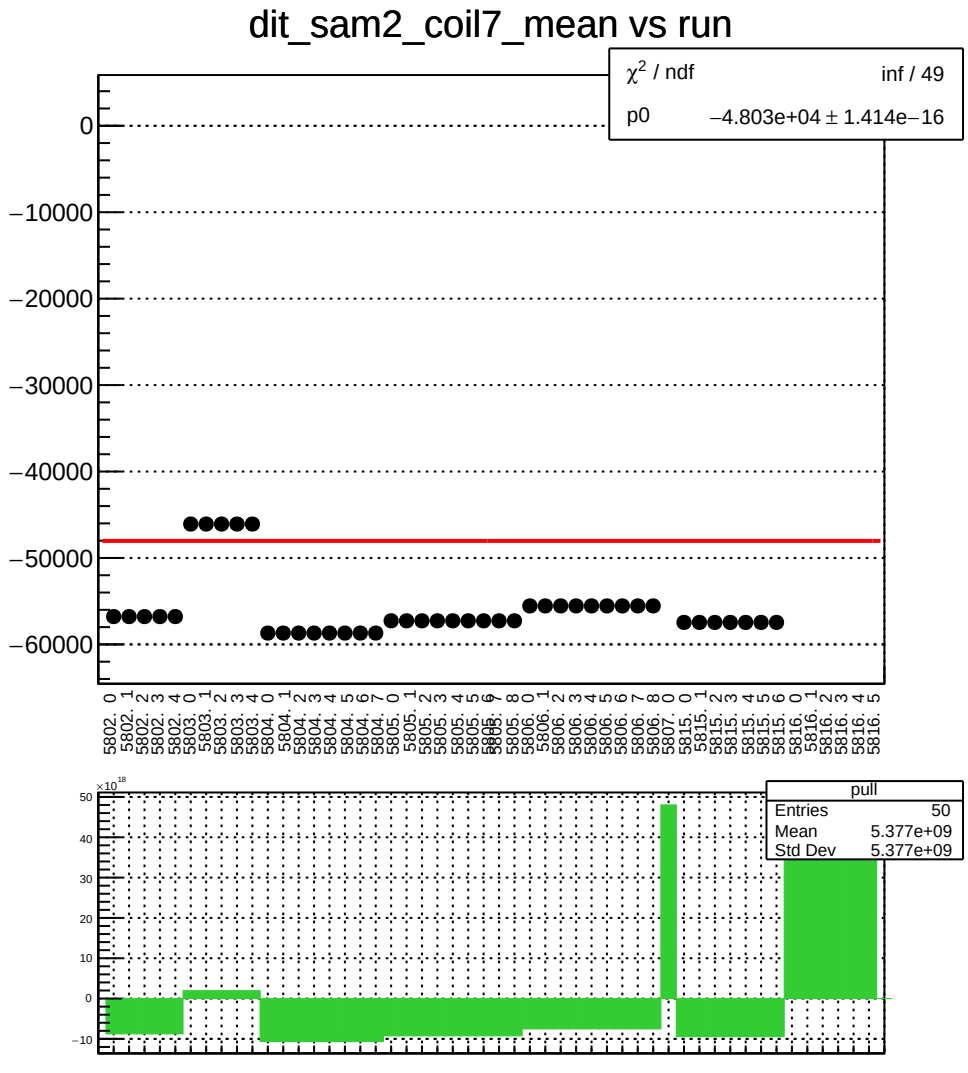

dit_sam1_coil7_mean vs run
χ² / ndf 1.548e+37 / 49
p0 −1361 ± 1.414e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1400
1200
1000
800
600
400
200
0
−200
−400
pull
Entries 50
Mean 2.02e+09
Std Dev 2.02e+09

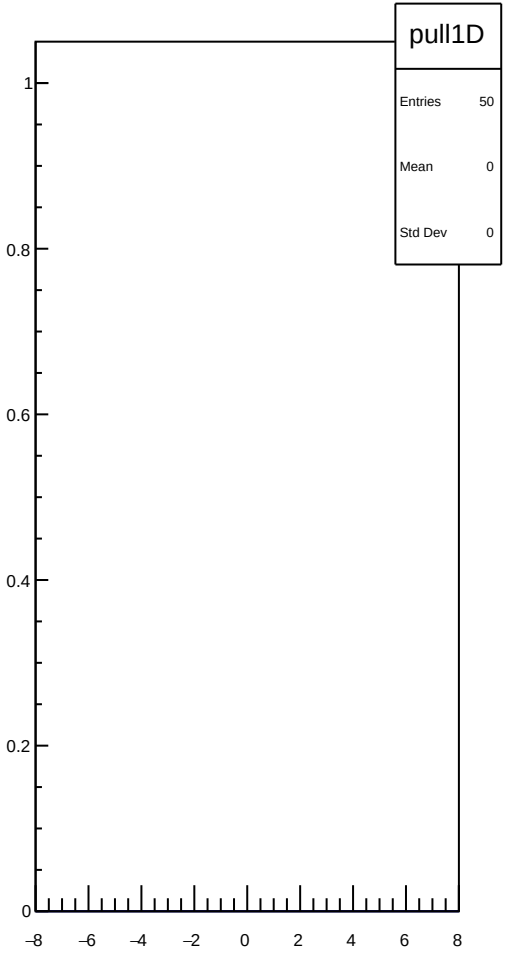

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

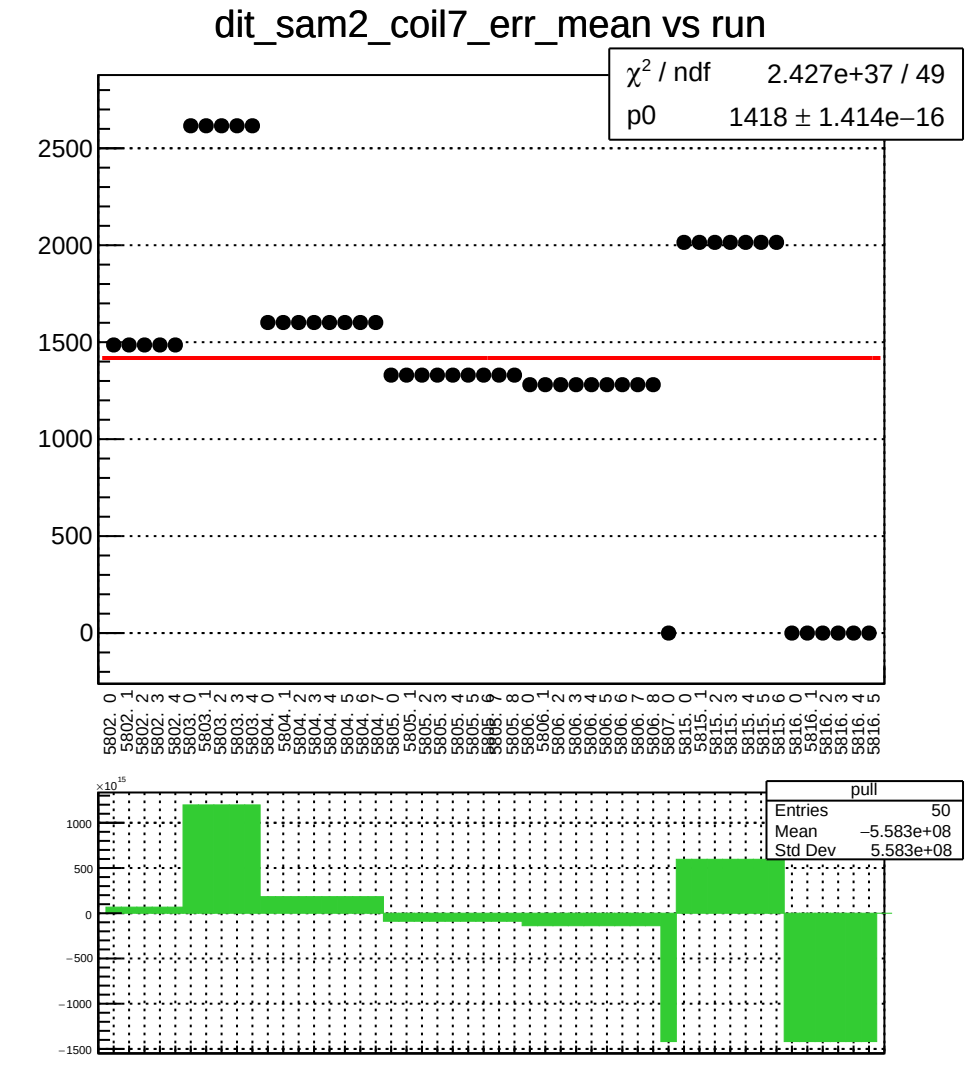

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.437e+36 / 49
p0 264.8 ± 1.414e−16
700
600
500
400
300
200
100
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
400
300
200
100
0
−100
−200
pull
Entries 50
Mean 4.864e+09
Std Dev 4.864e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

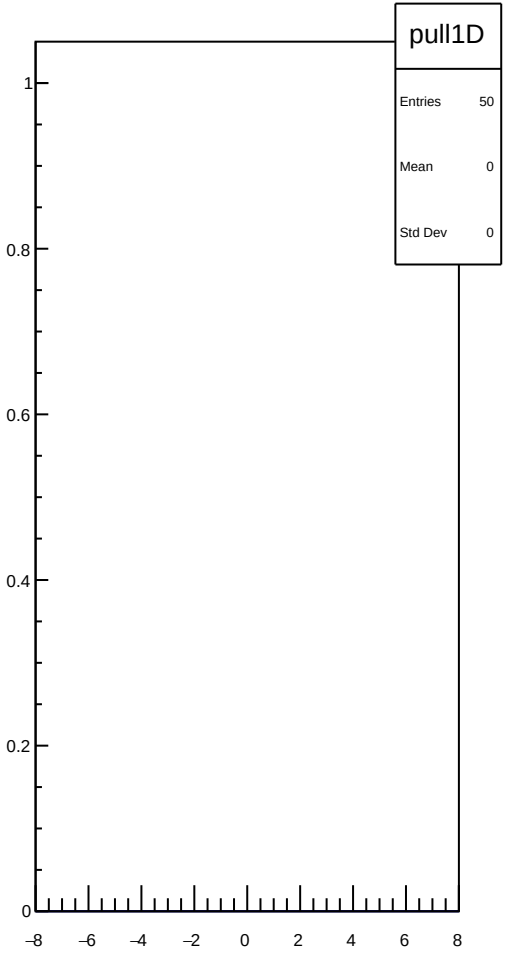

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200

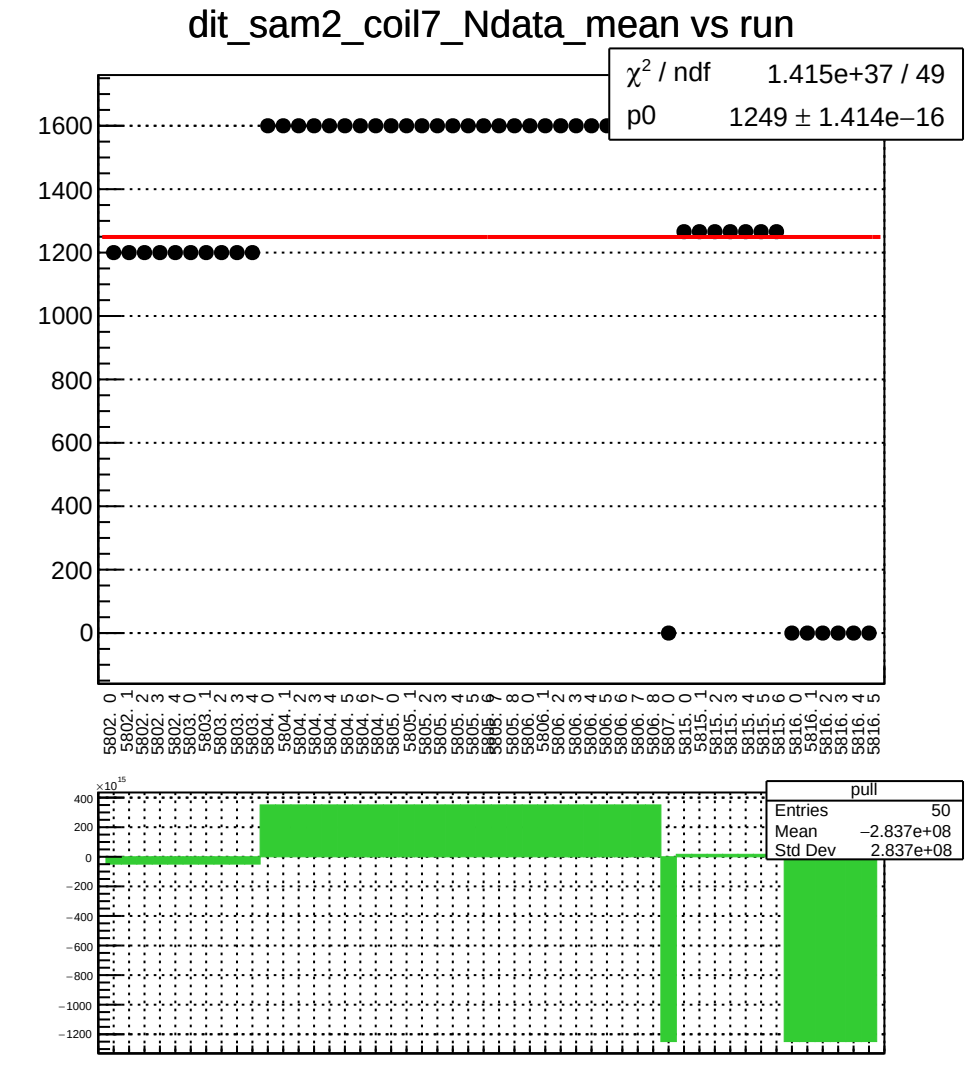

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

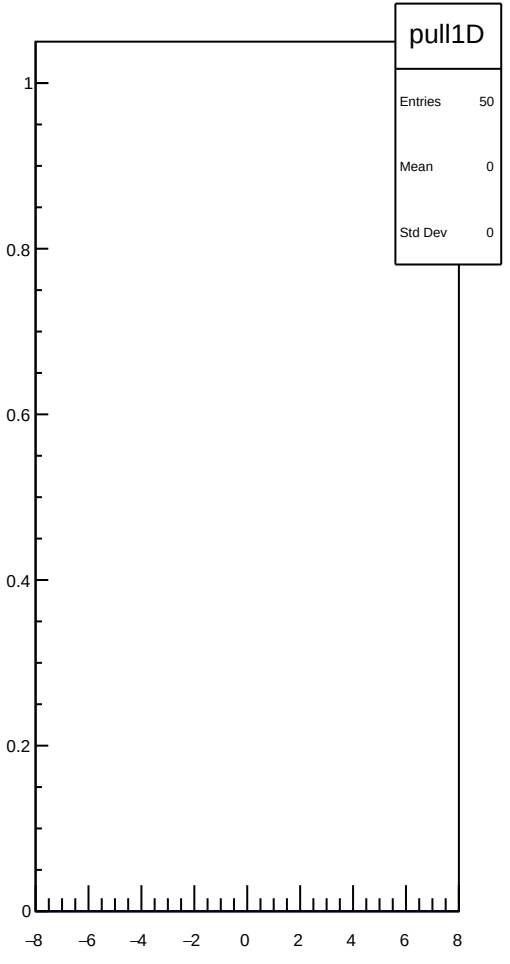

dit_sam2_coil7_mean vs run
χ² / ndf inf / 49
p0 −4.803e+04 ± 1.414e−16
0
−10000
−20000
−30000
−40000
−50000
−60000
pull
Entries 50
Mean 5.377e+09
Std Dev 5.377e+09
×10¹⁸
50
40
30
20
10
0
−10

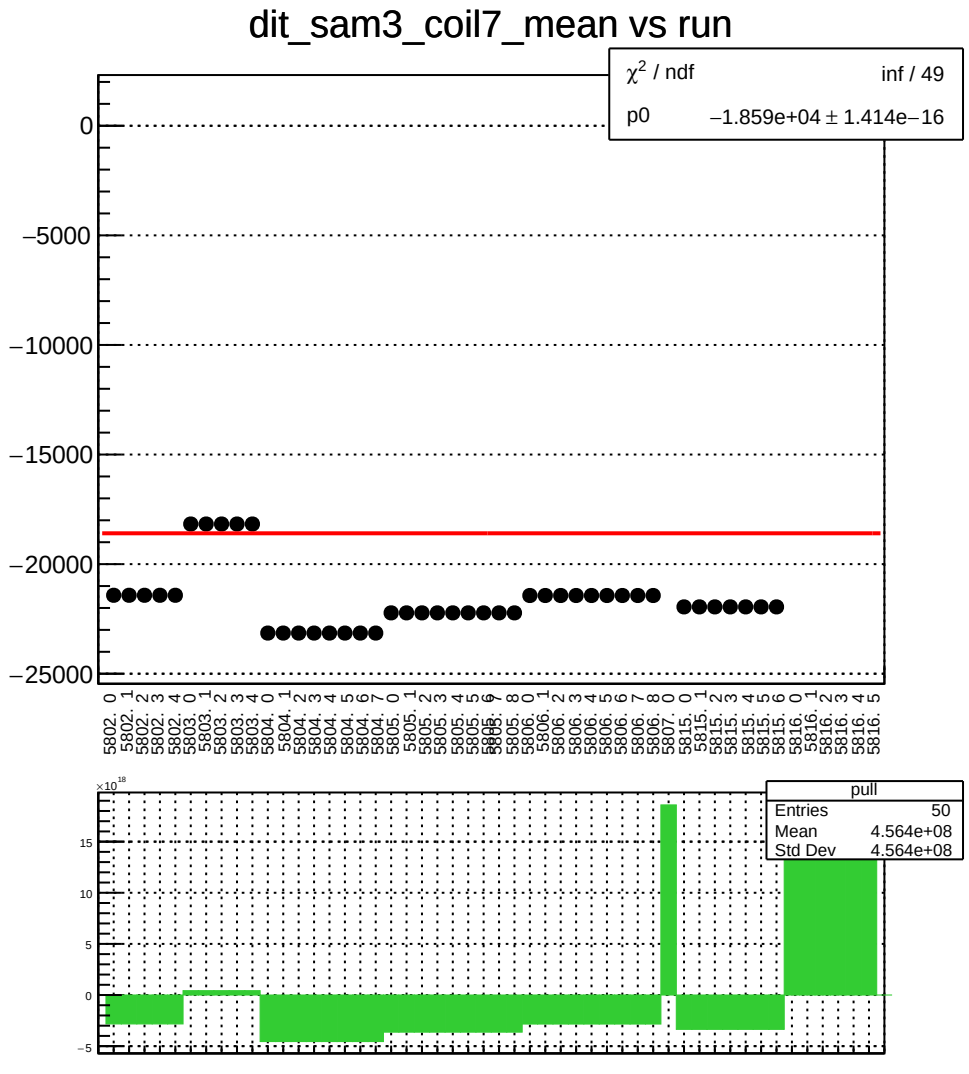

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

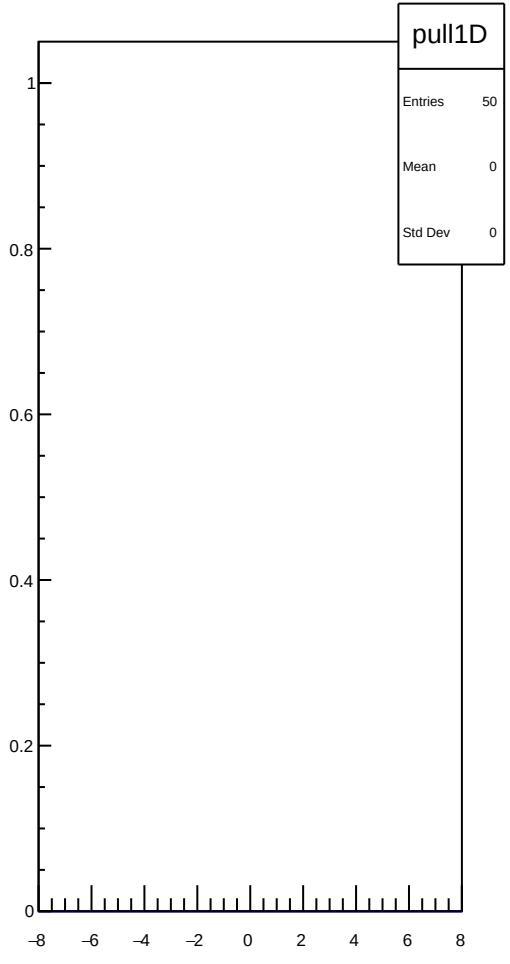

dit_sam2_coil7_err_mean vs run
χ² / ndf 2.427e+37 / 49
p0 1418 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean −5.583e+08
Std Dev 5.583e+08
×10¹⁵
1000
500
0
−500
−1000
−1500

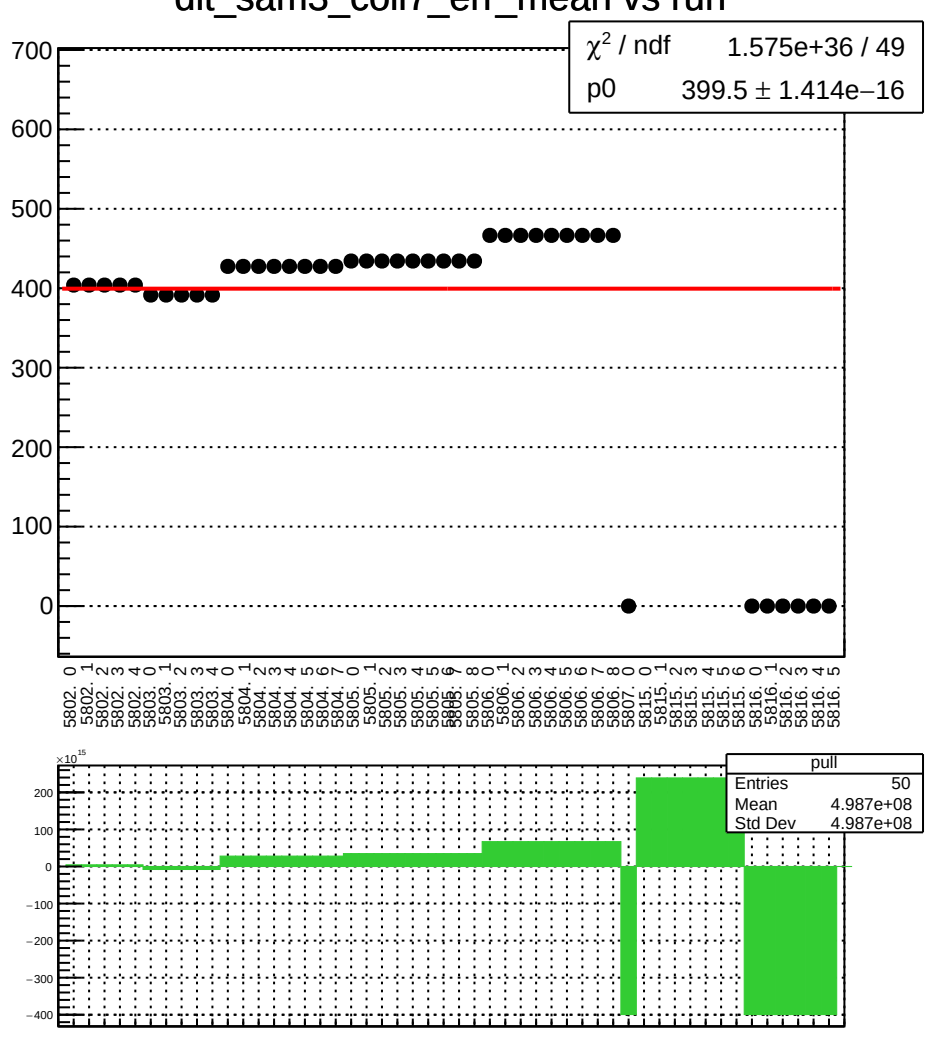

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

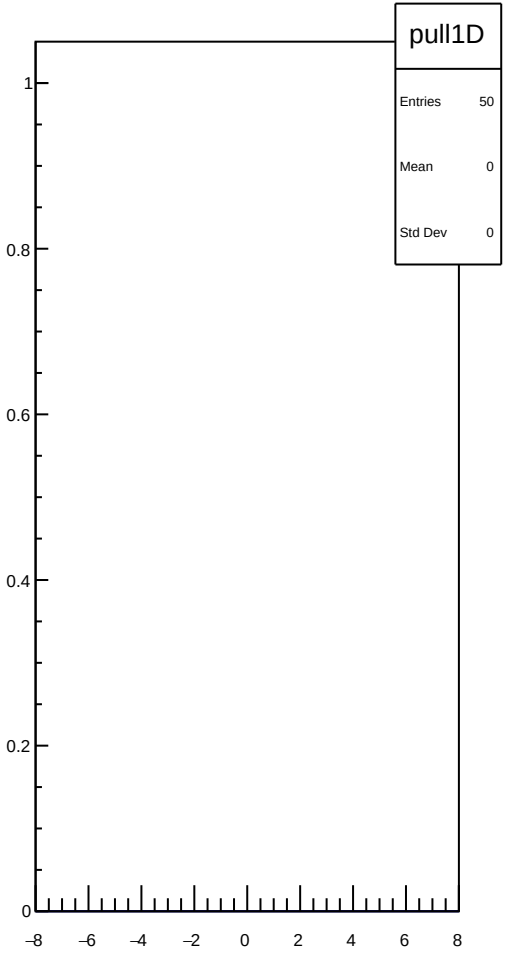

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200

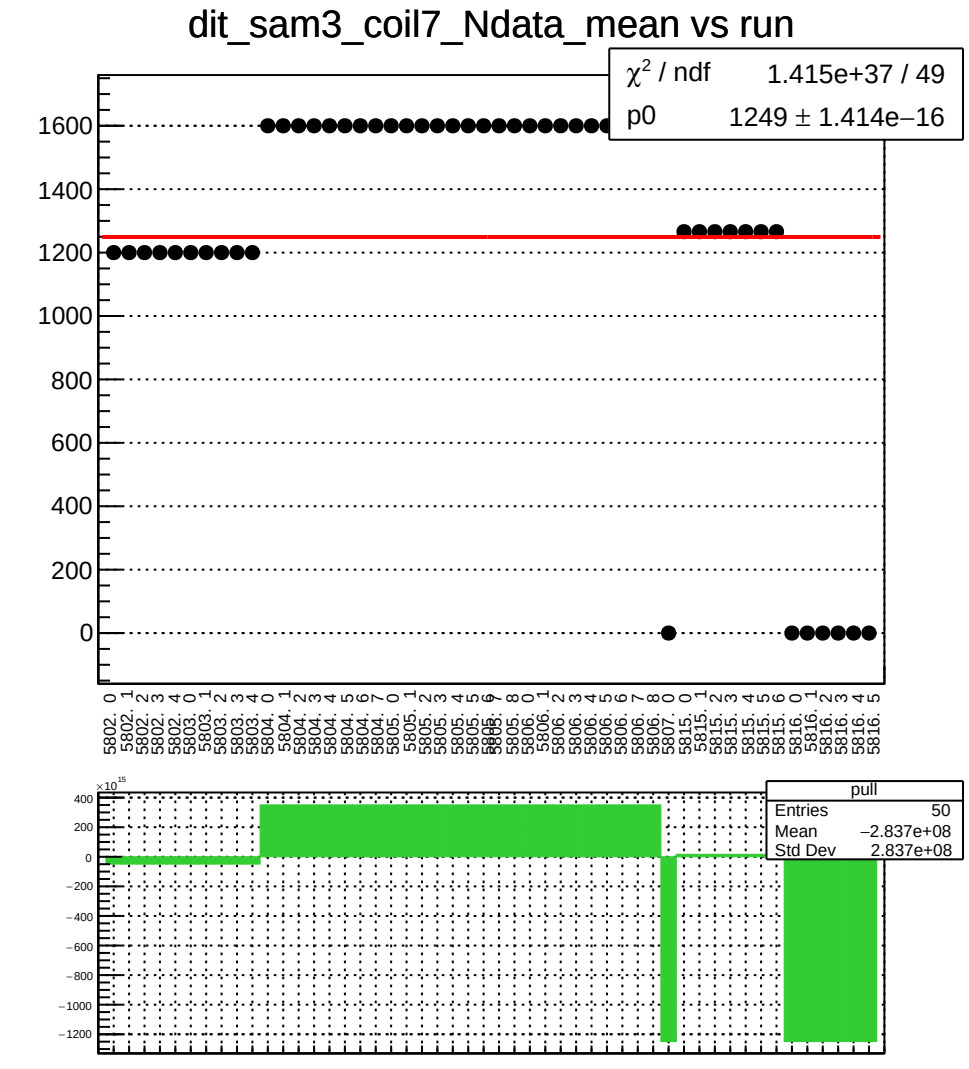

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

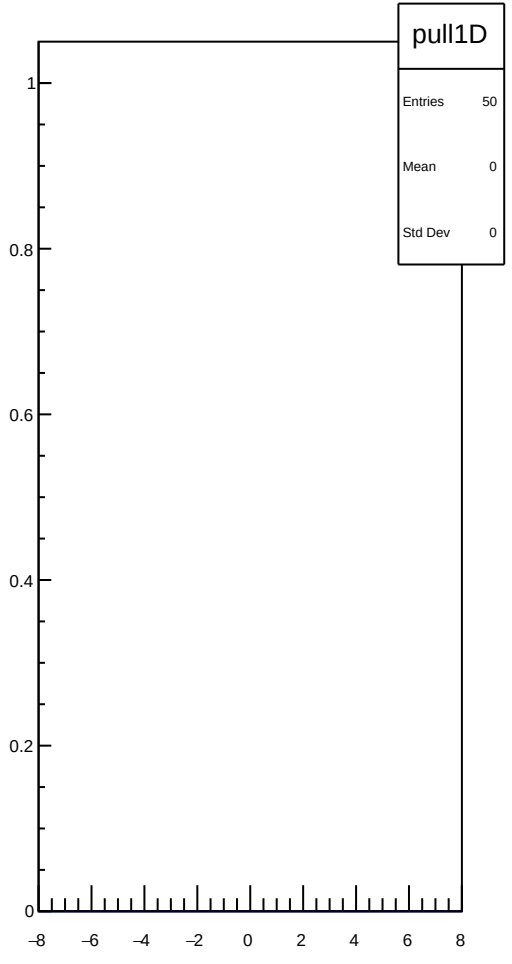

dit_sam3_coil7_mean vs run
χ² / ndf inf / 49
p0 −1.859e+04 ± 1.414e−16
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 50
Mean 4.564e+08
Std Dev 4.564e+08
×10¹⁸
15
10
5
0
−5

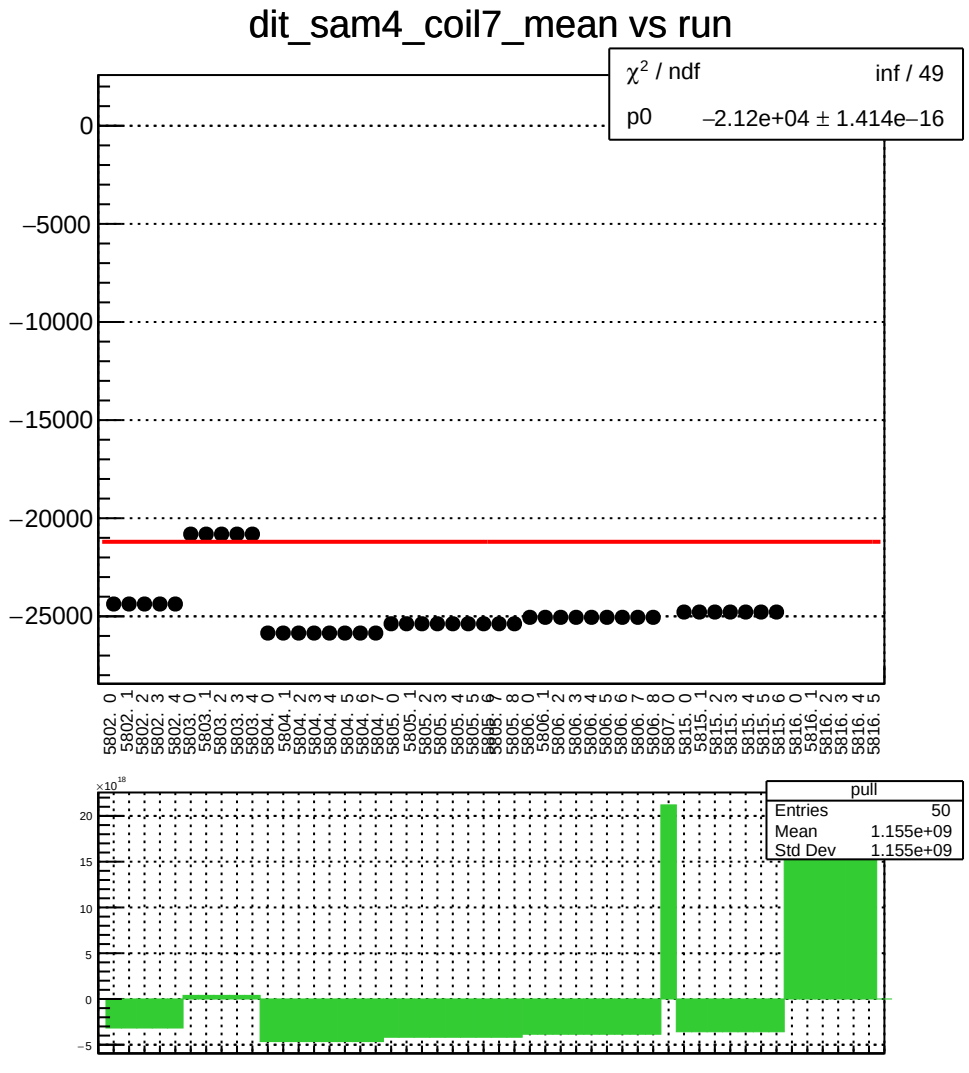

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

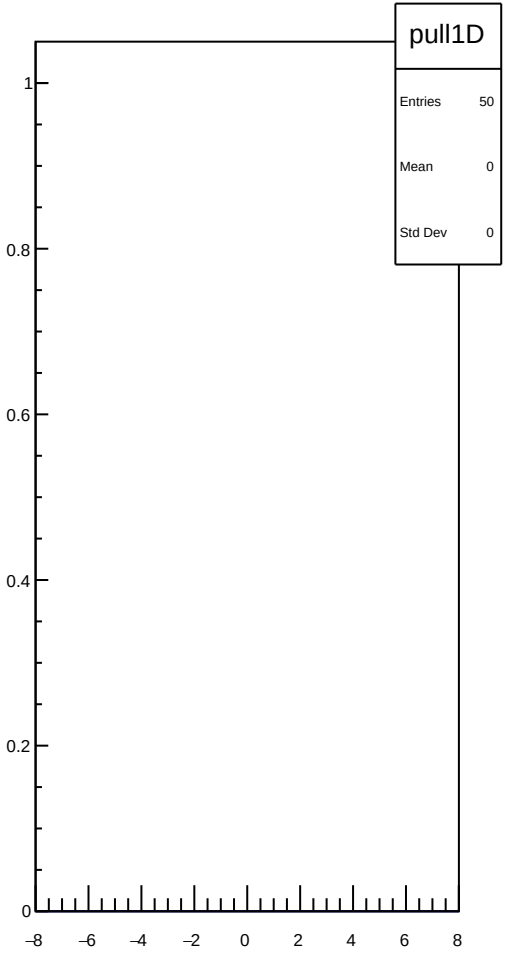

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.575e+36 / 49
p0 399.5 ± 1.414e−16
pull
Entries 50
Mean 4.987e+08
Std Dev 4.987e+08

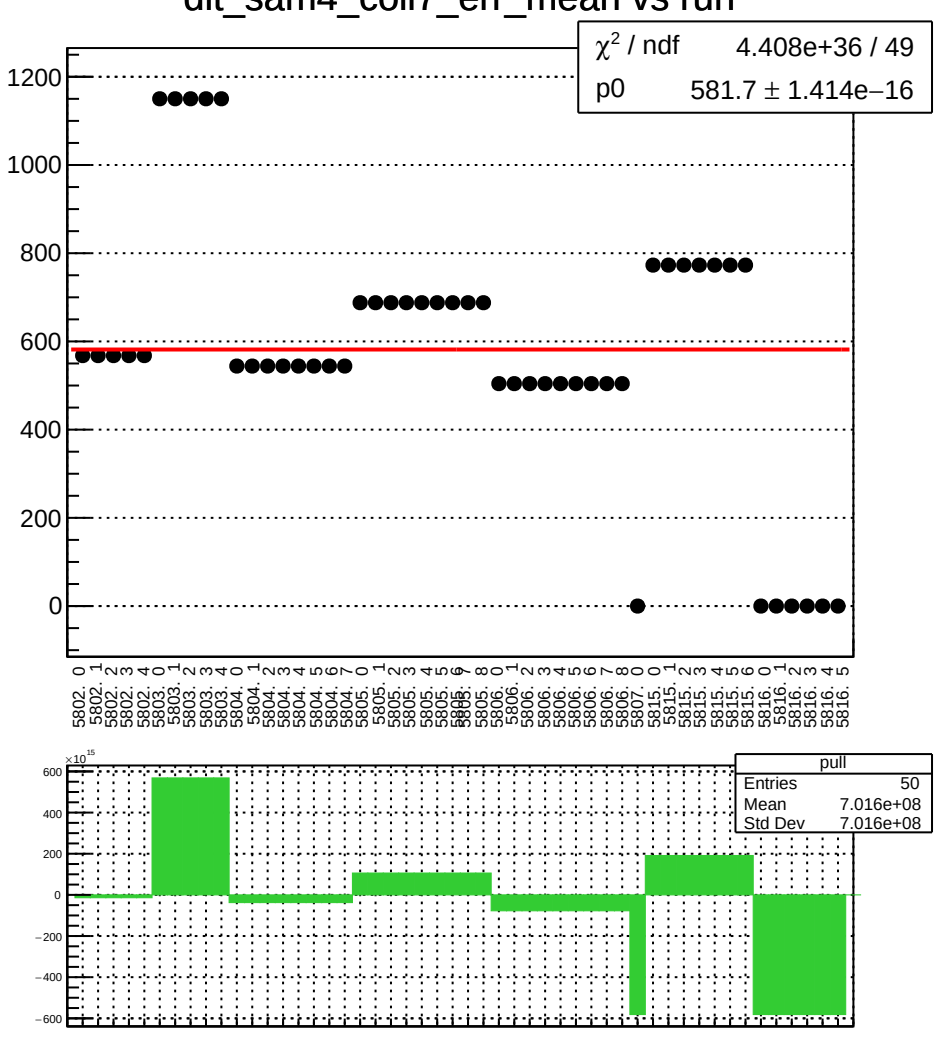

pull1D
Entries 50
Mean 0
Std Dev 0

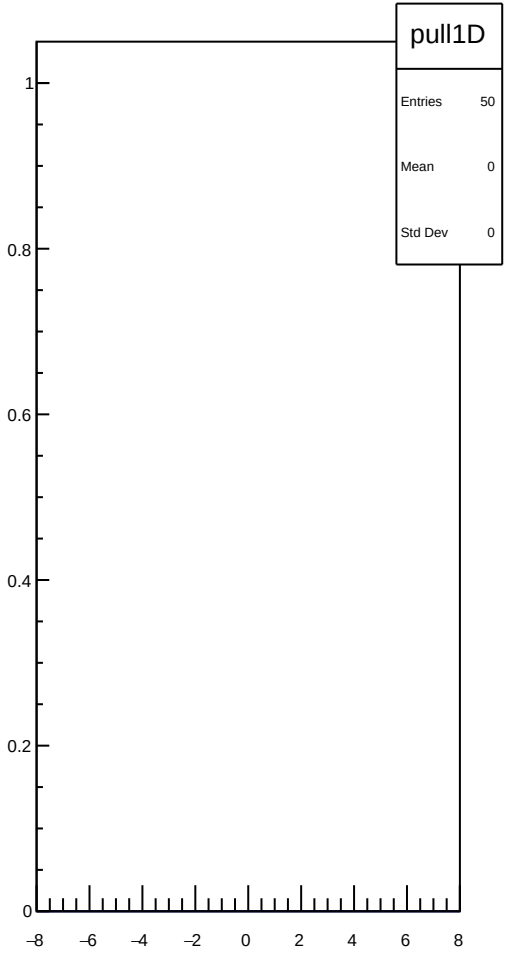

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

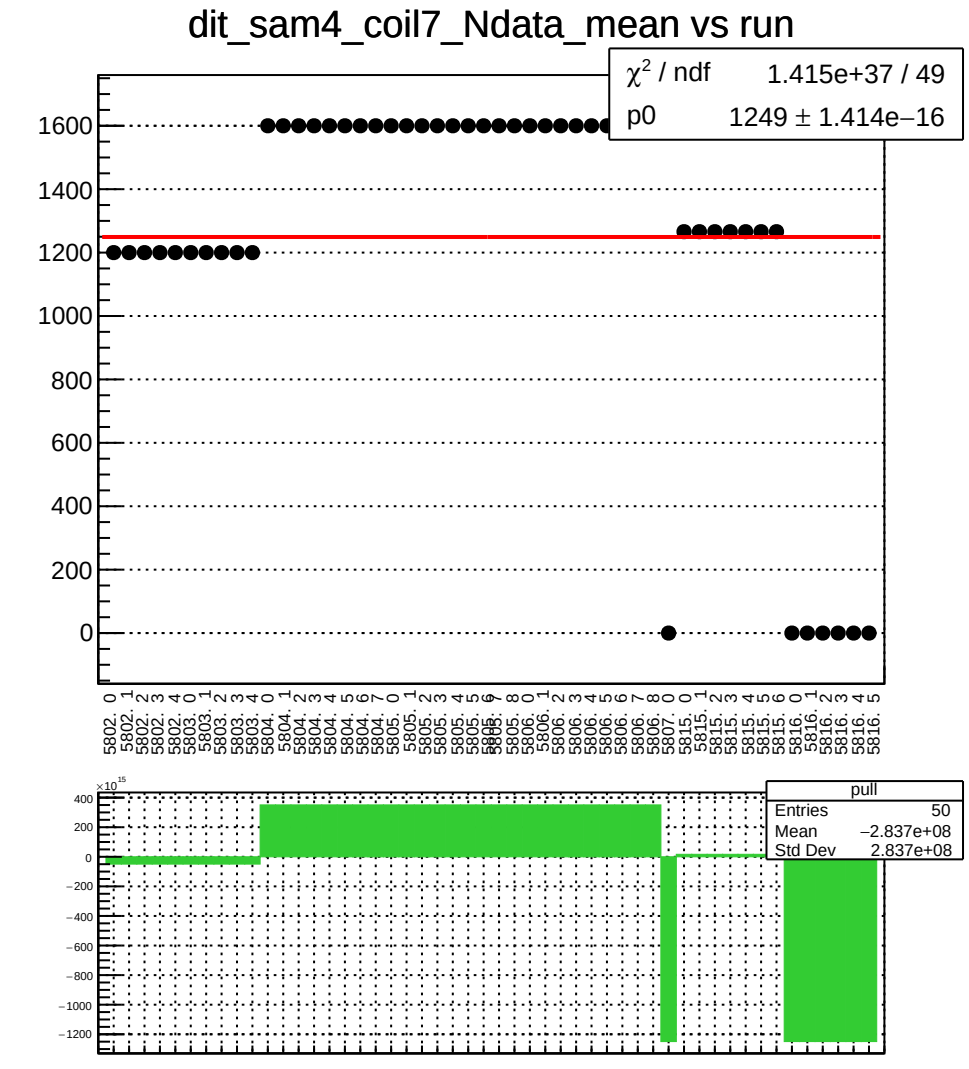

pull1D
Entries 50
Mean 0
Std Dev 0

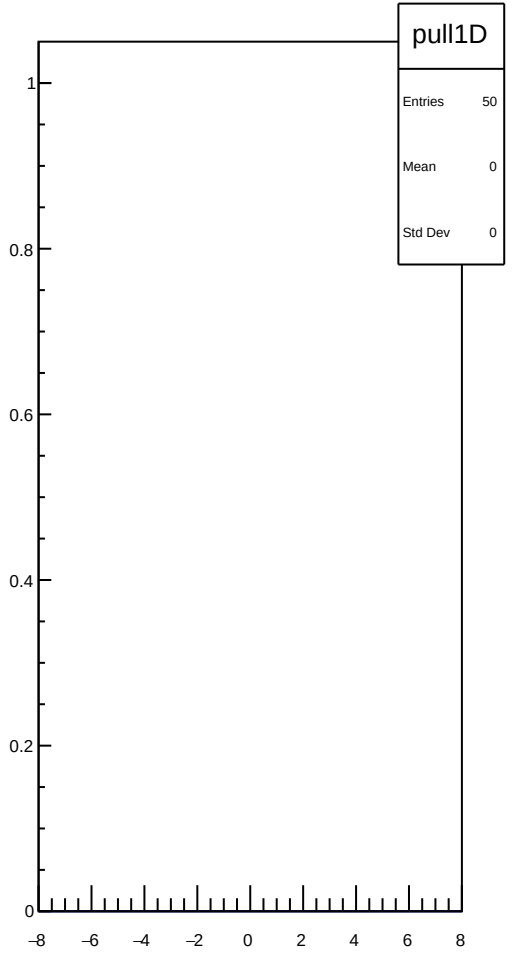

dit_sam4_coil7_mean vs run
χ² / ndf inf / 49
p0 −2.12e+04 ± 1.414e−16
0
−5000
−10000
−15000
−20000
−25000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁸
20
15
10
5
0
−5
pull
Entries 50
Mean 1.155e+09
Std Dev 1.155e+09

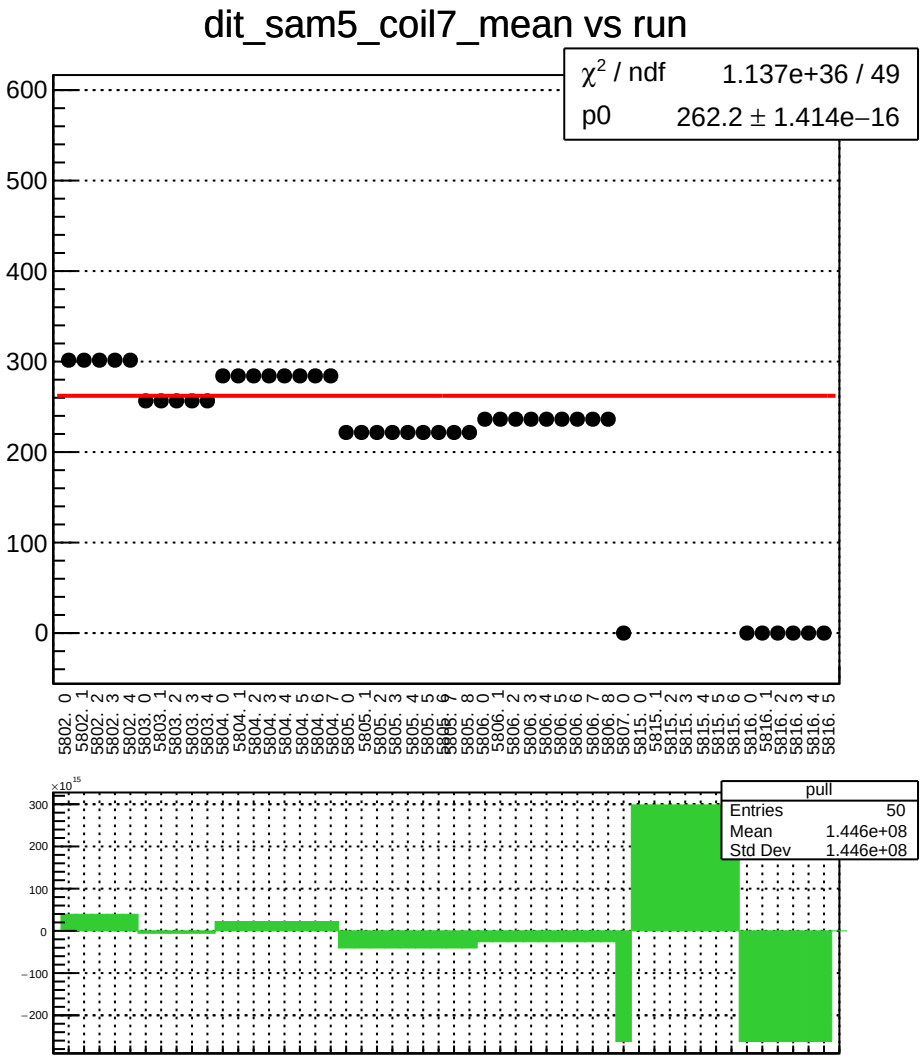

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

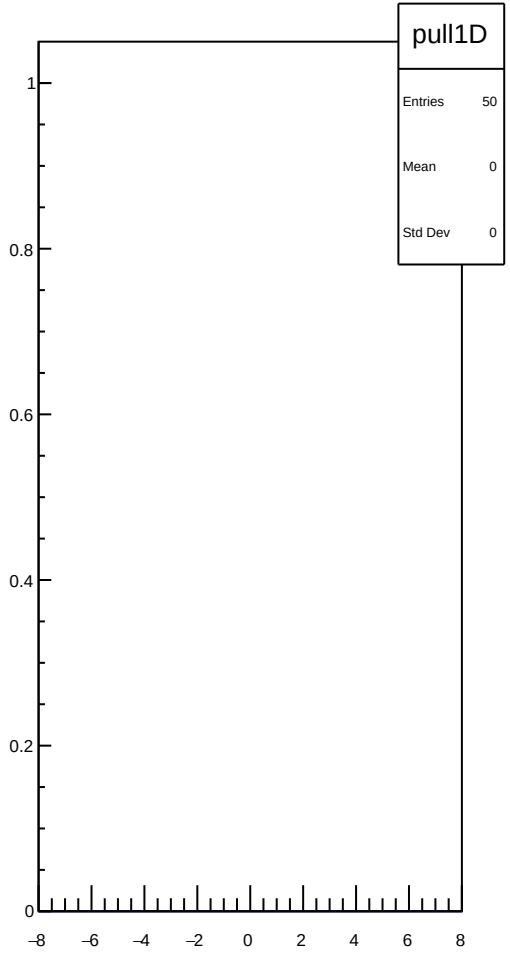

dit_sam4_coil7_err_mean vs run
χ² / ndf 4.408e+36 / 49
p0 581.7 ± 1.414e−16
pull
Entries 50
Mean 7.016e+08
Std Dev 7.016e+08

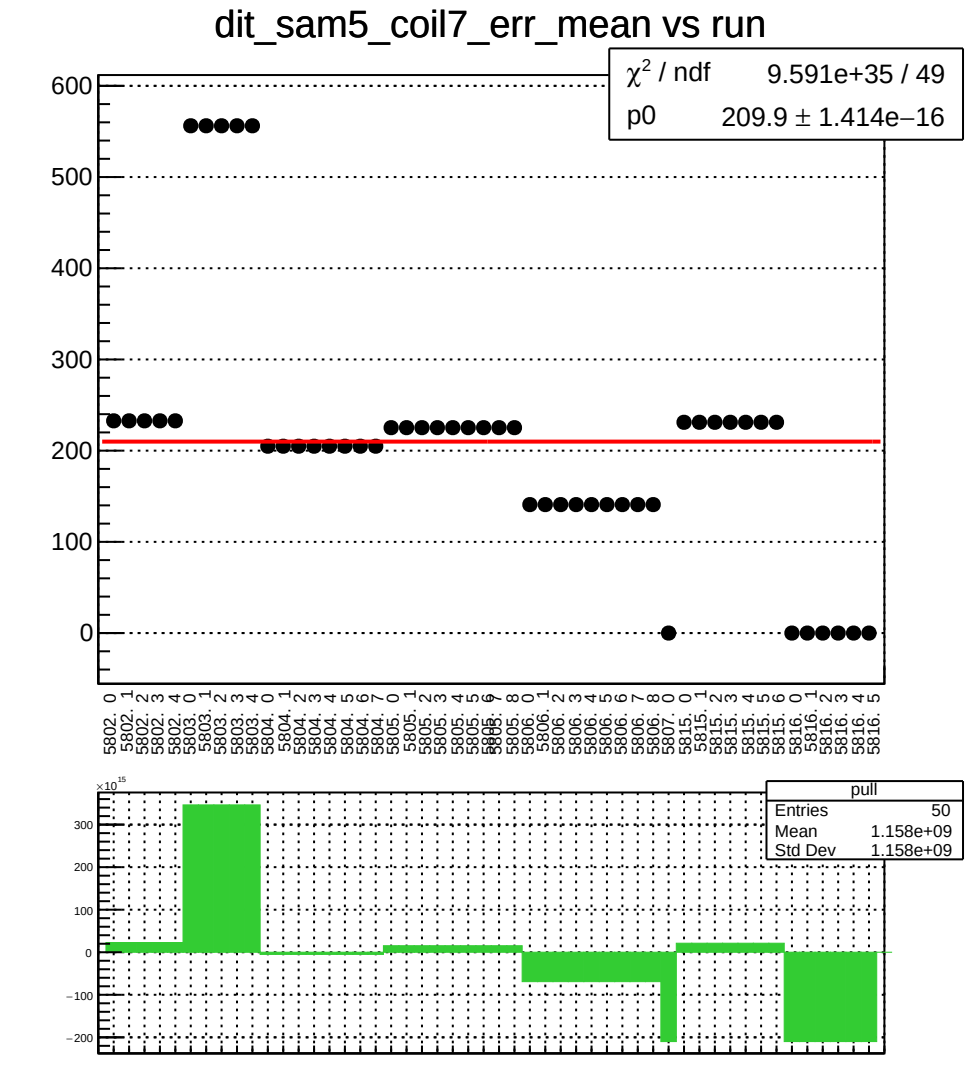

pull1D
Entries 50
Mean 0
Std Dev 0

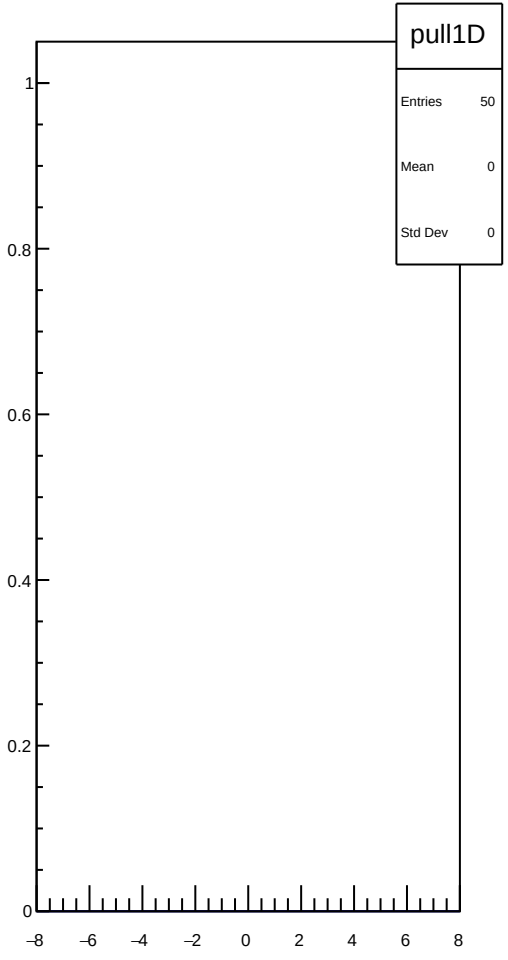

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

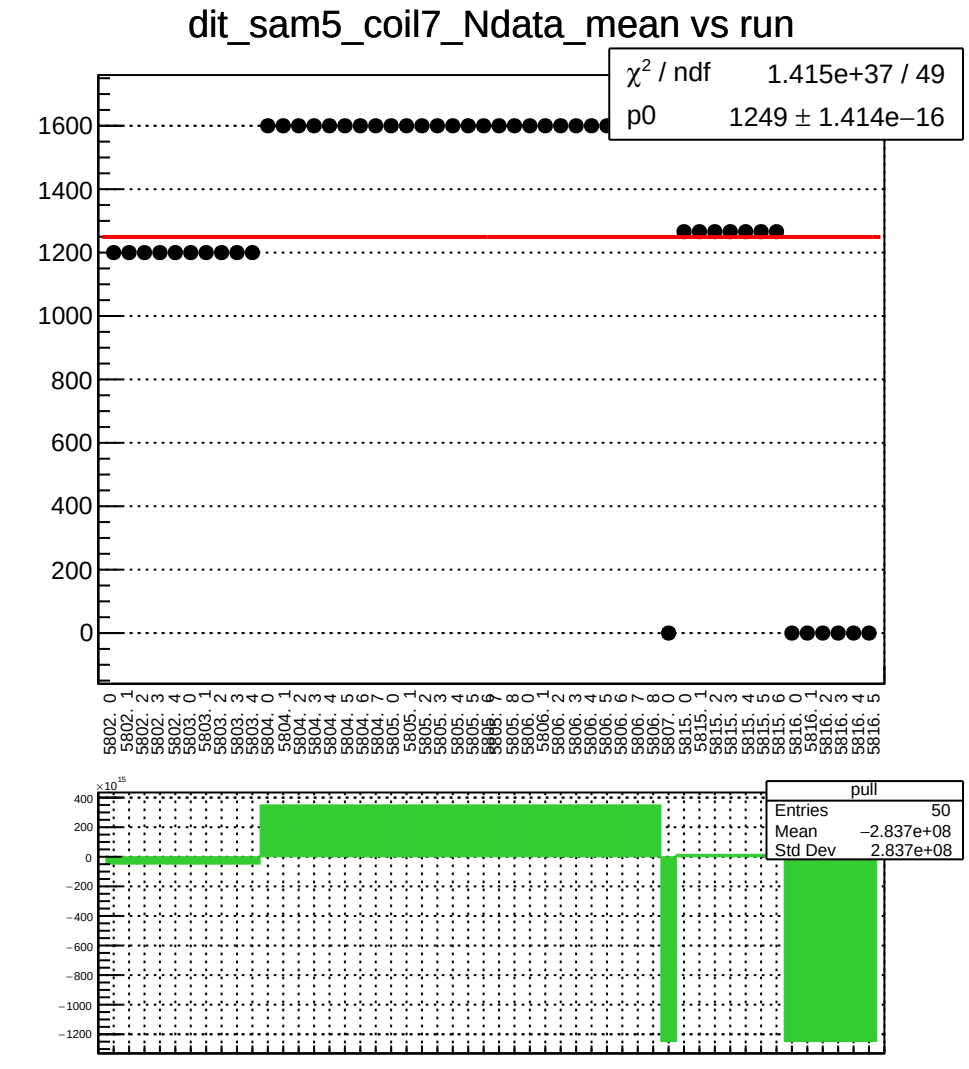

pull1D
Entries 50
Mean 0
Std Dev 0

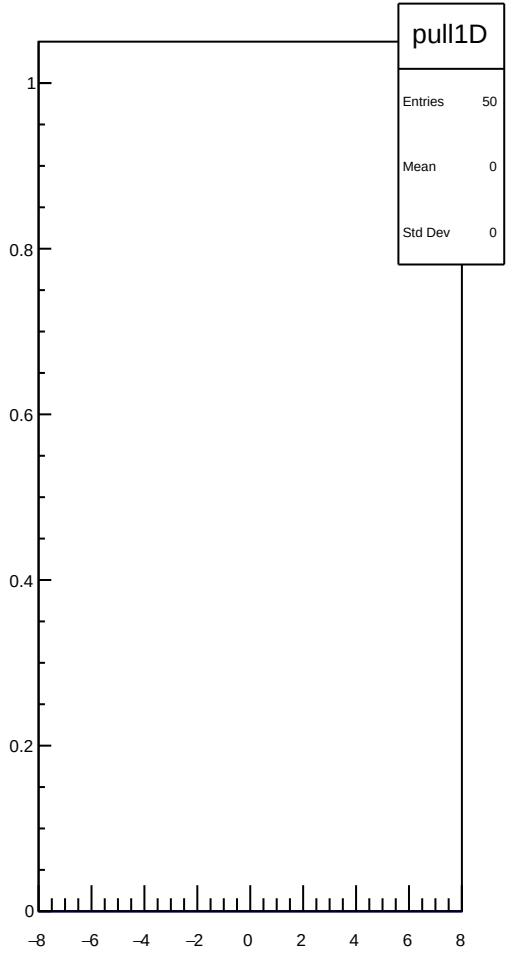

dit_sam5_coil7_mean vs run
χ² / ndf 1.137e+36 / 49
p0 262.2 ± 1.414e−16
pull
Entries 50
Mean 1.446e+08
Std Dev 1.446e+08

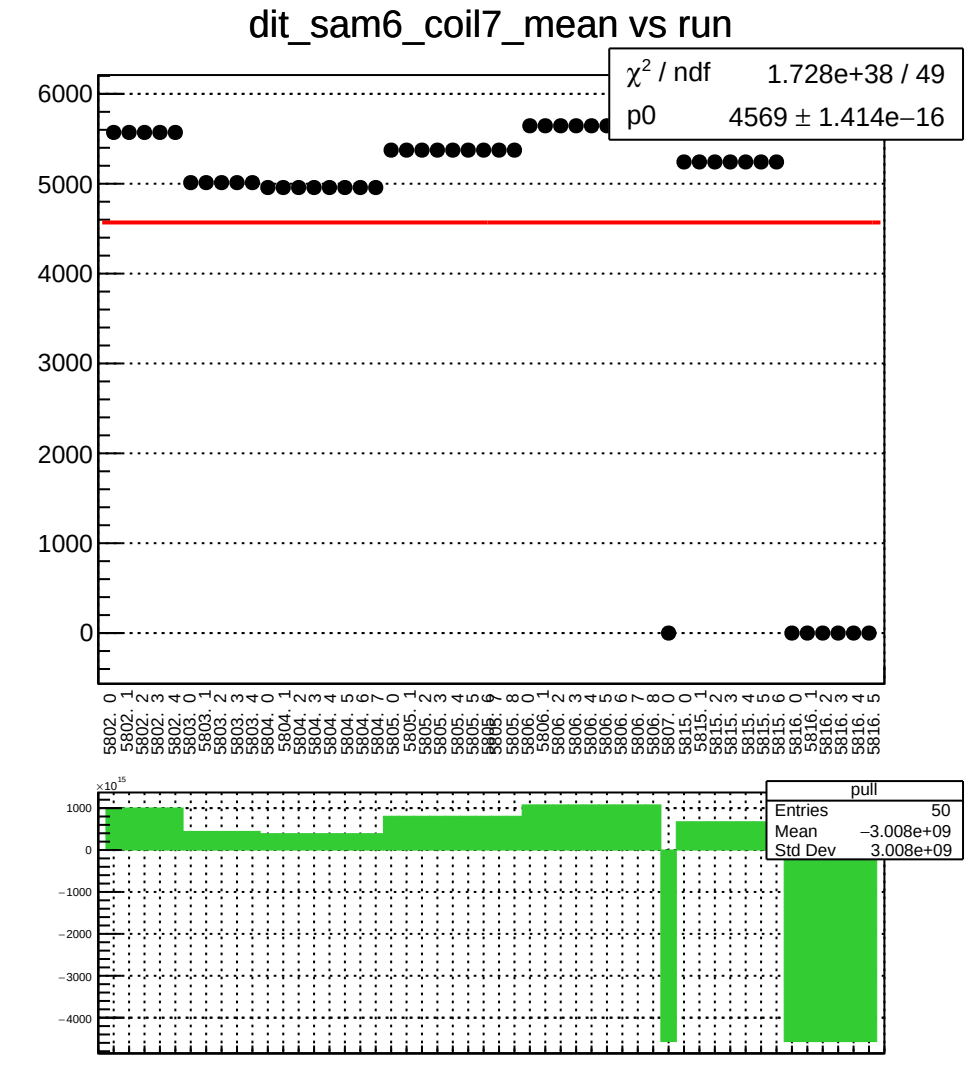

pull1D
Entries 50
Mean 0
Std Dev 0

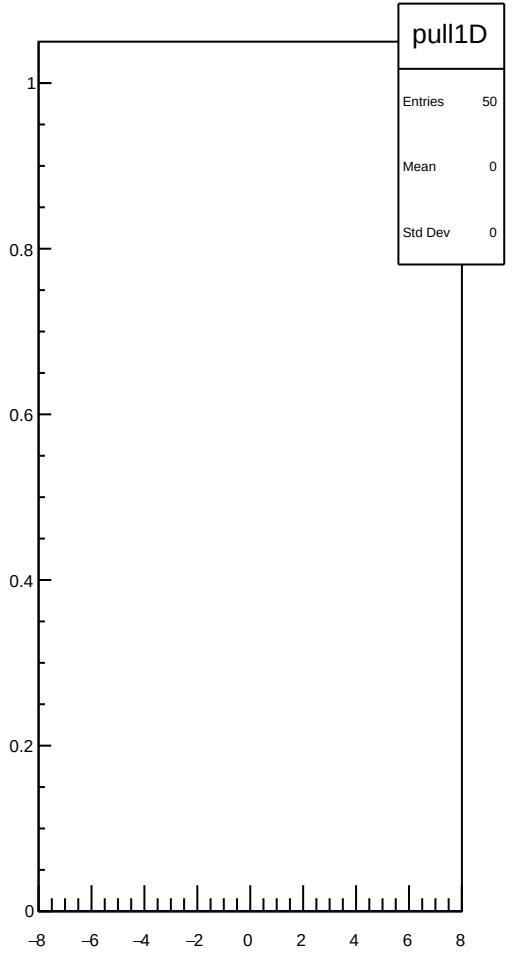

dit_sam5_coil7_err_mean vs run
χ² / ndf 9.591e+35 / 49
p0 209.9 ± 1.414e−16
pull
Entries 50
Mean 1.158e+09
Std Dev 1.158e+09

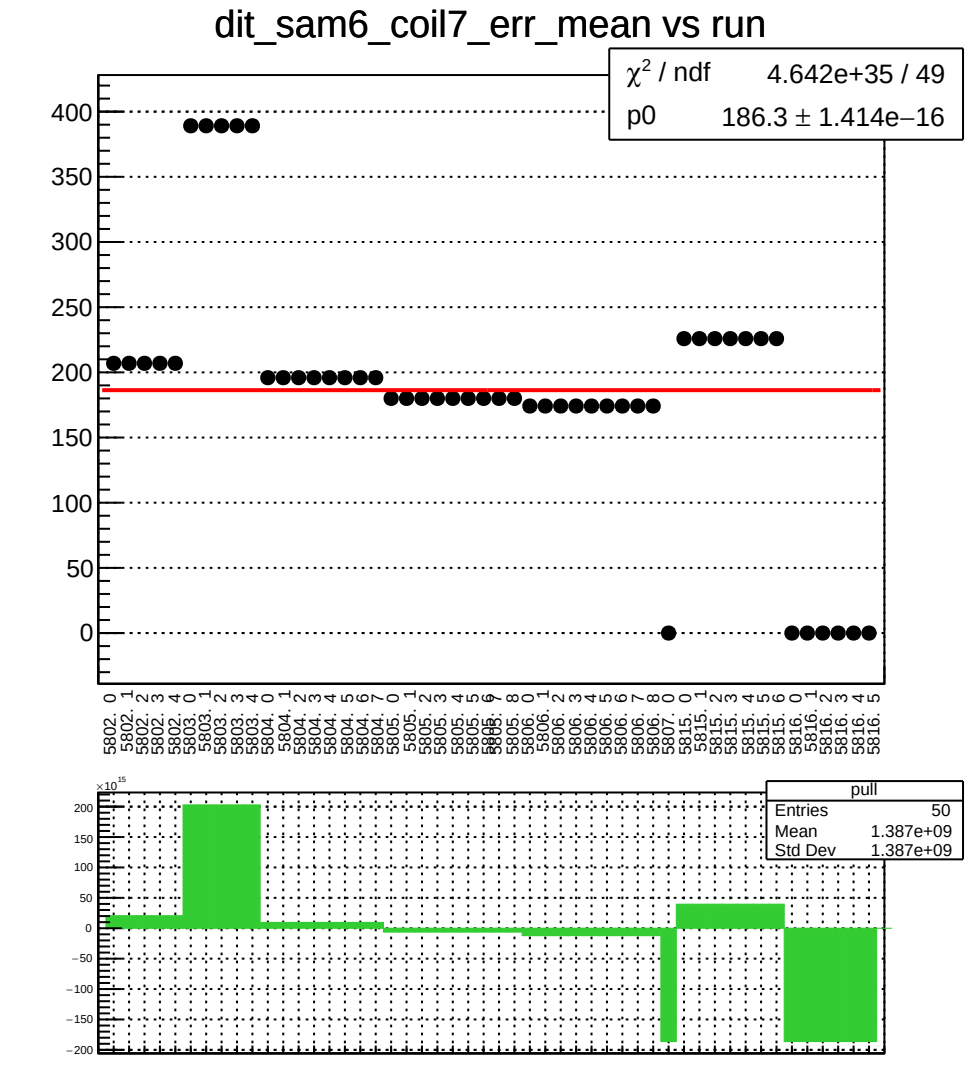

pull1D
Entries 50
Mean 0
Std Dev 0

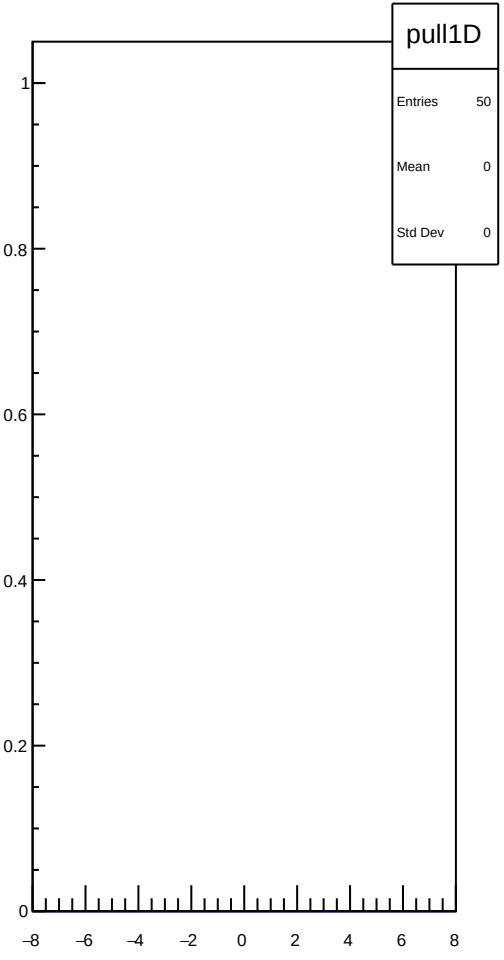

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

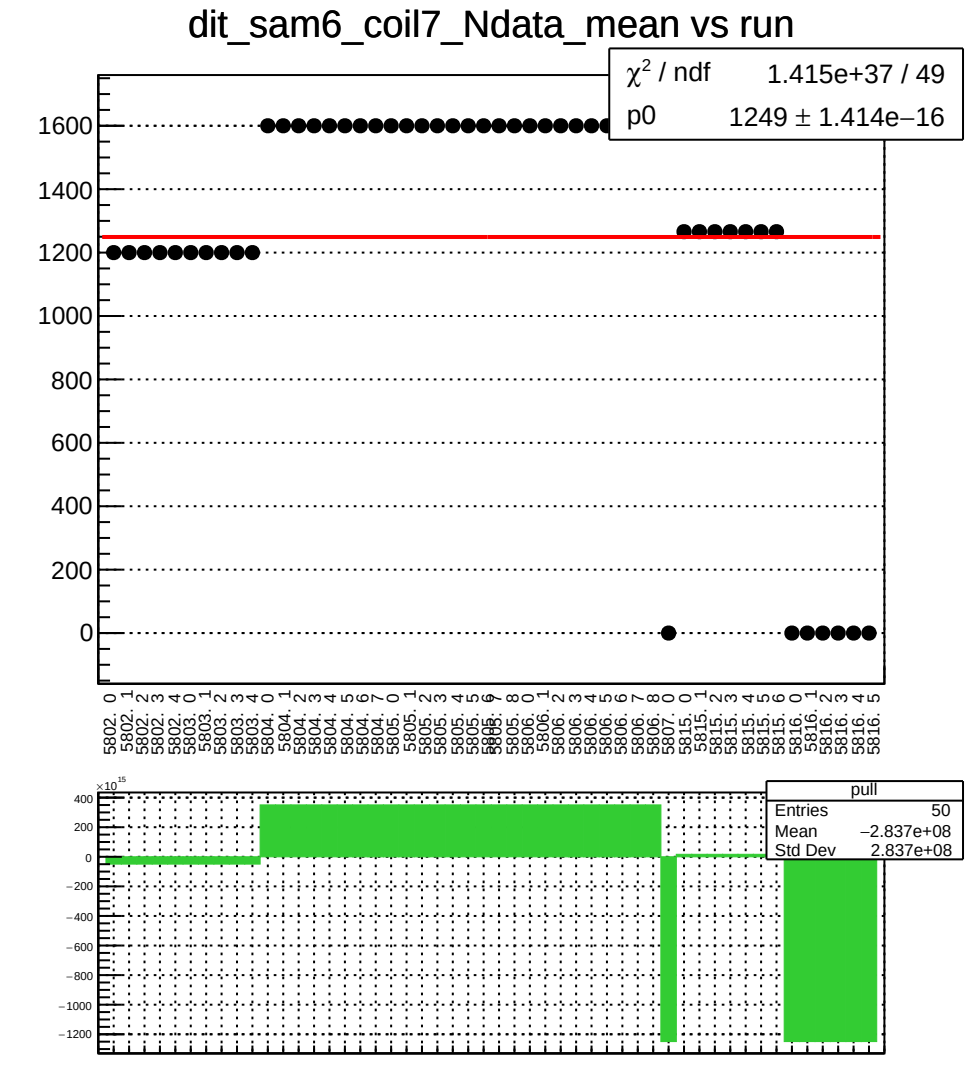

pull1D
Entries 50
Mean 0
Std Dev 0

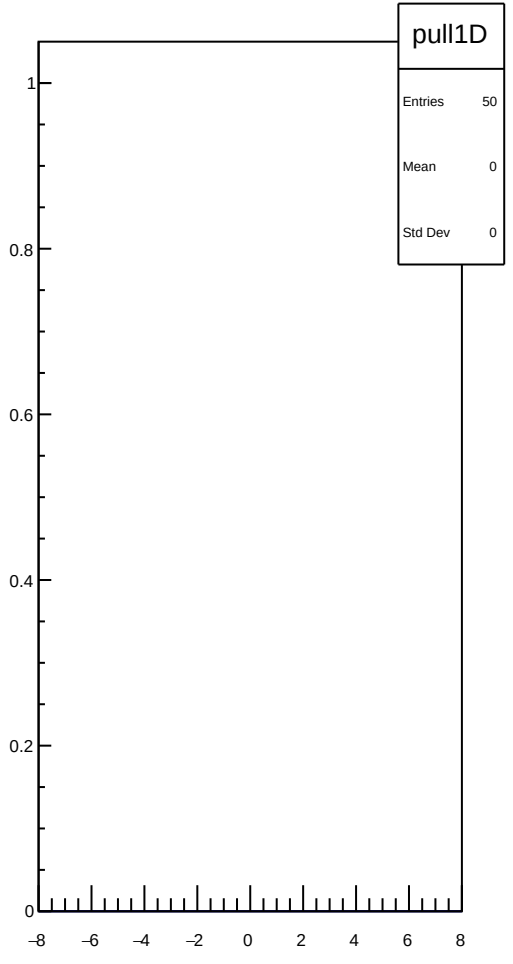

dit_sam6_coil7_mean vs run
χ² / ndf 1.728e+38 / 49
p0 4569 ± 1.414e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 50
Mean −3.008e+09
Std Dev 3.008e+09
×10¹⁵
1000
0
−1000
−2000
−3000
−4000

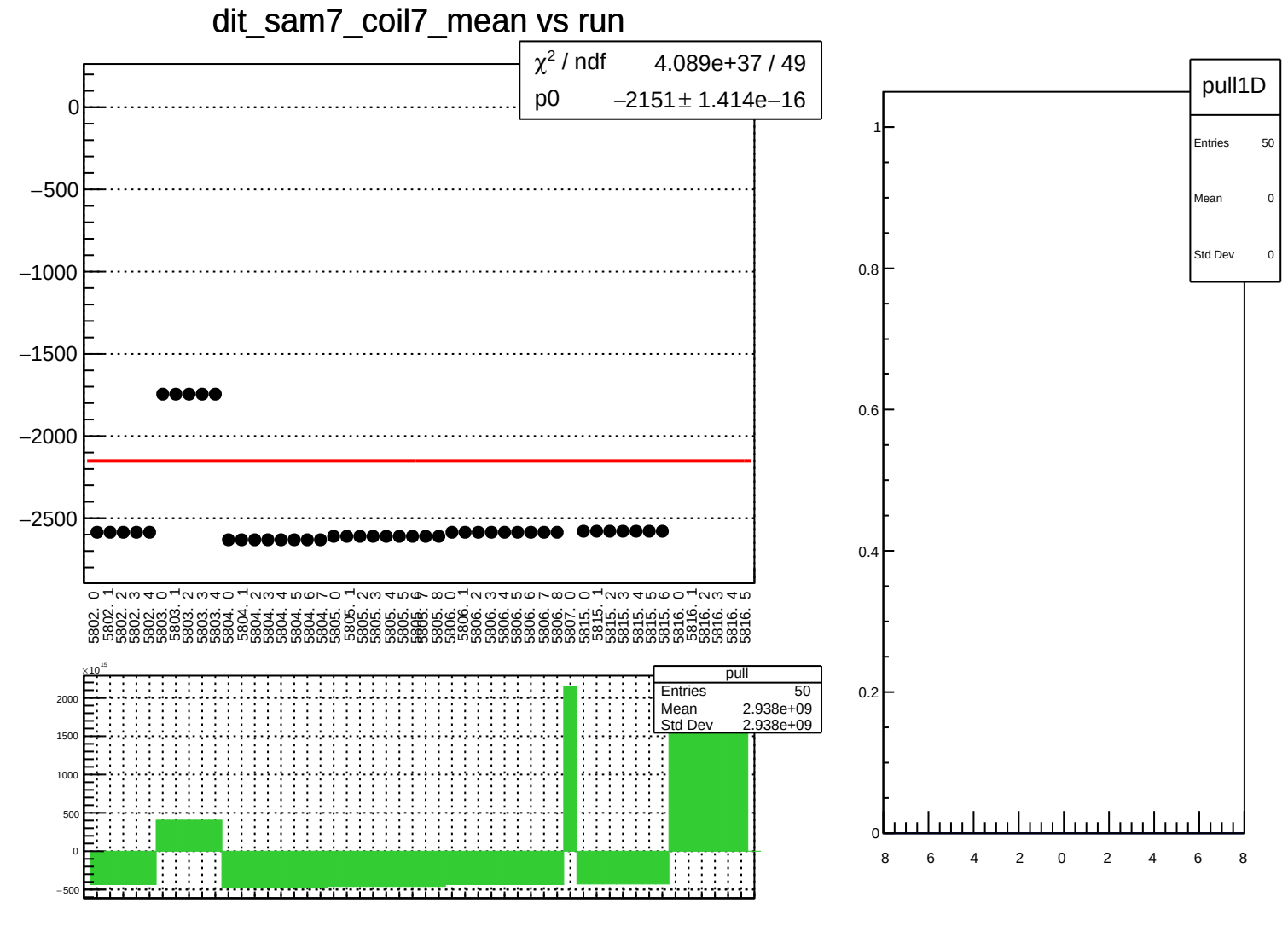

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

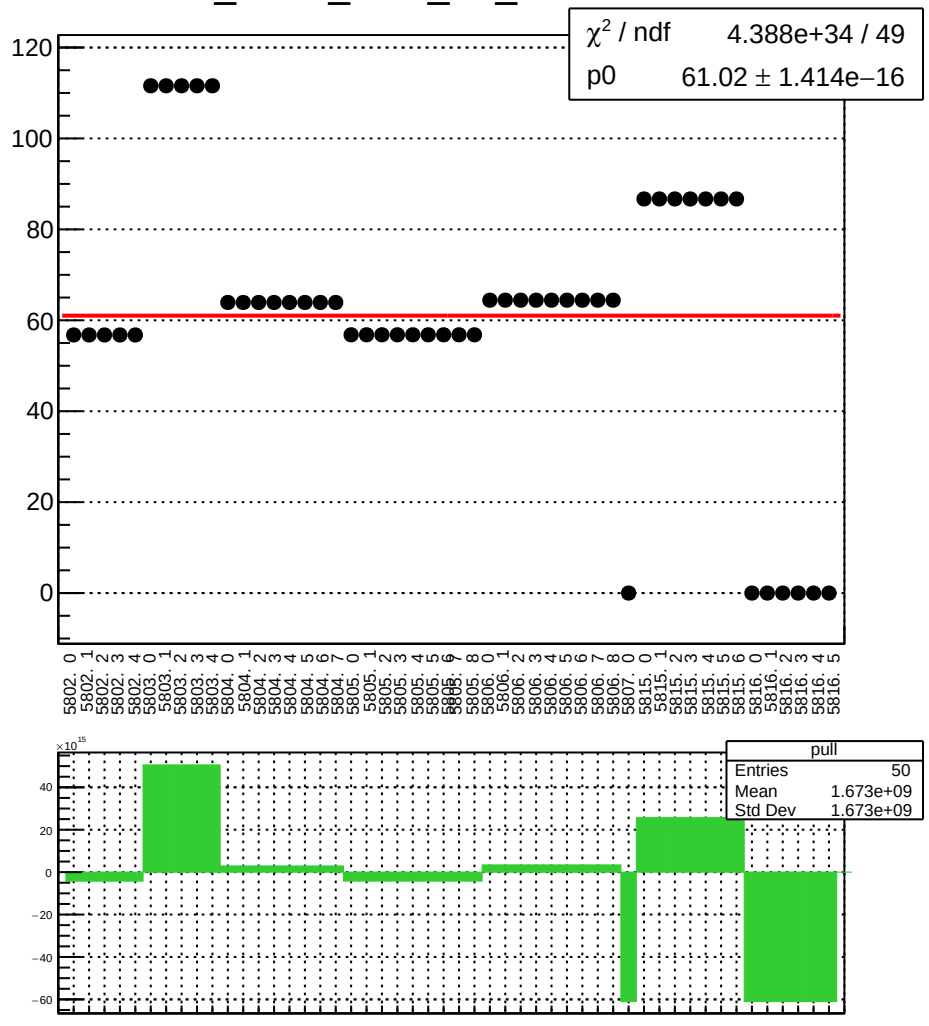

dit_sam6_coil7_err_mean vs run
χ² / ndf 4.642e+35 / 49
p0 186.3 ± 1.414e−16
pull
Entries 50
Mean 1.387e+09
Std Dev 1.387e+09

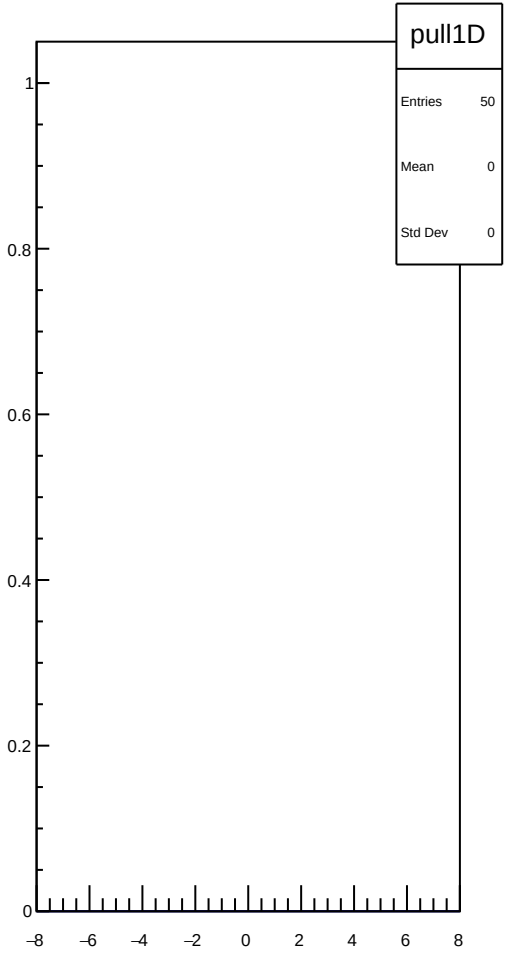

pull1D
Entries 50
Mean 0
Std Dev 0

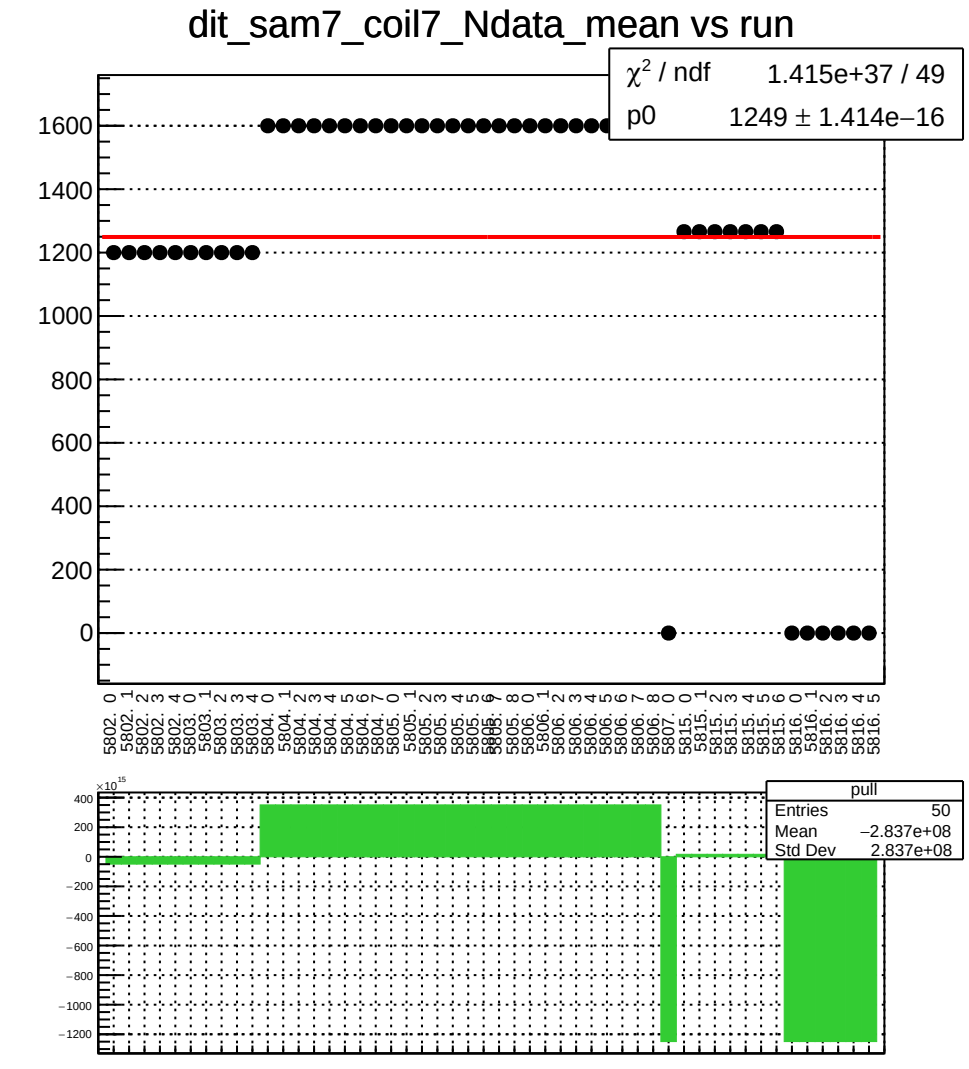

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

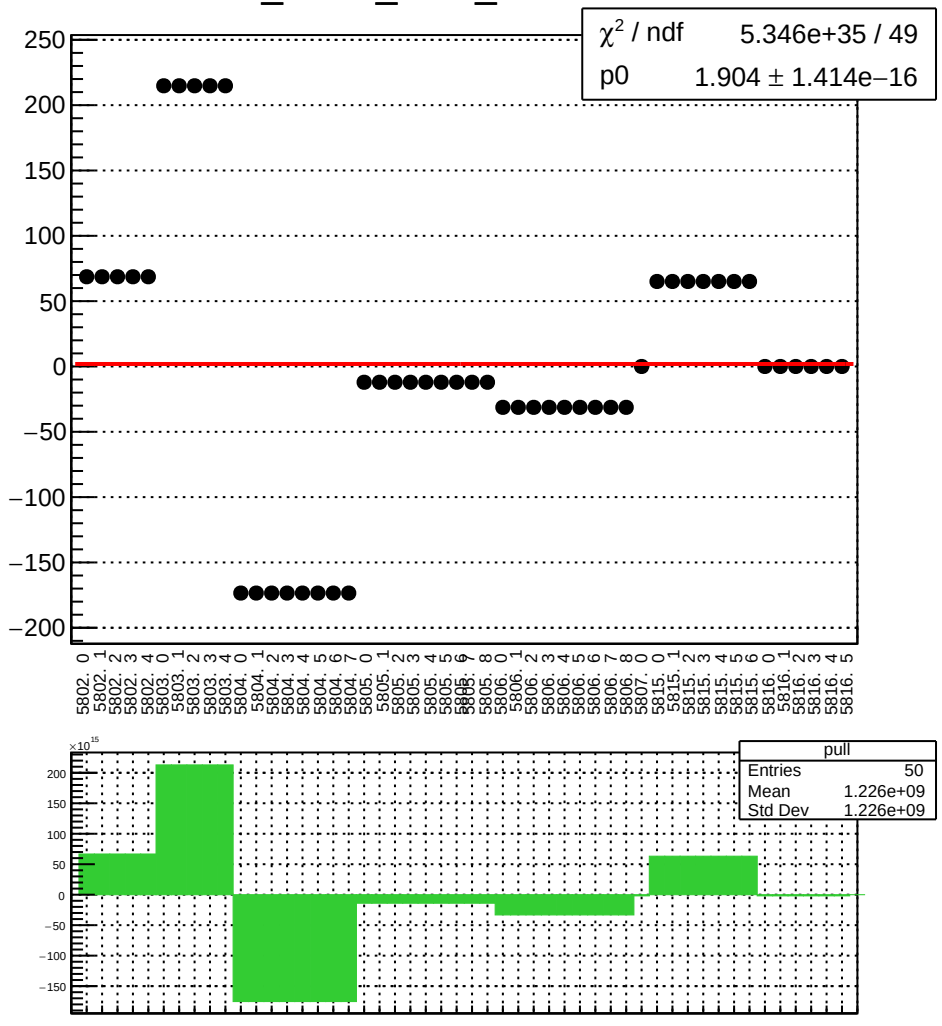

pull1D
Entries 50
Mean 0
Std Dev 0

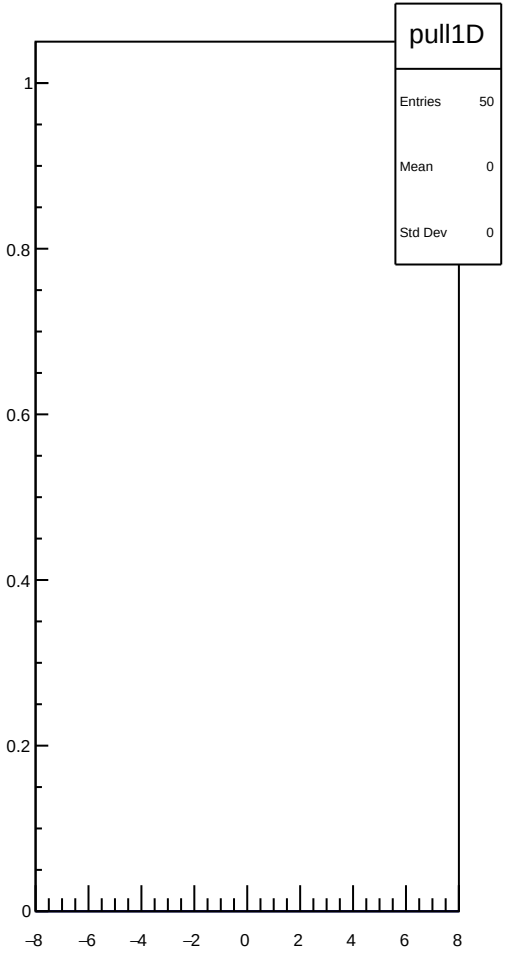

dit_sam7_coil7_mean vs run
χ² / ndf 4.089e+37 / 49
p0 −2151 ± 1.414e−16
0
−500
−1000
−1500
−2000
−2500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
2000
1500
1000
500
0
−500
pull
Entries 50
Mean 2.938e+09
Std Dev 2.938e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

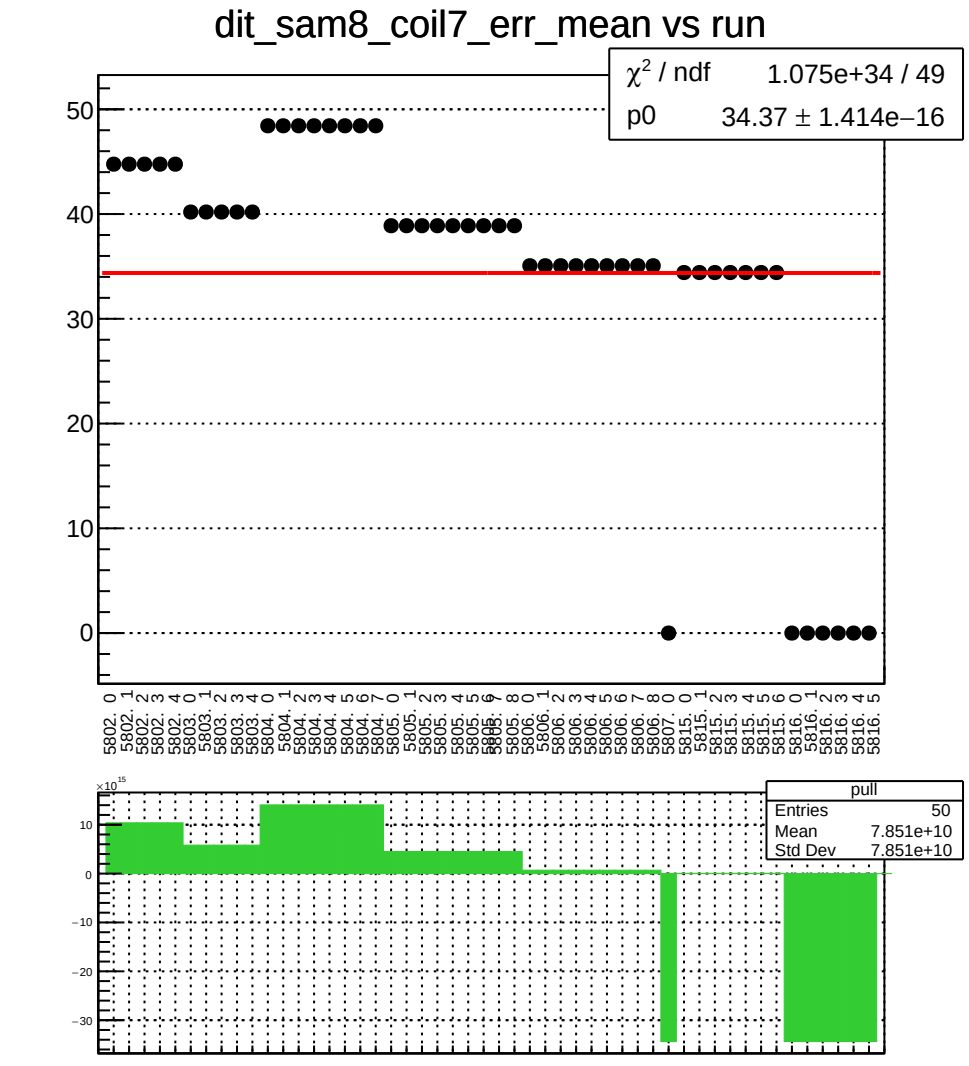

dit_sam7_coil7_err_mean vs run
χ² / ndf 4.388e+34 / 49
p0 61.02 ± 1.414e−16
pull
Entries 50
Mean 1.673e+09
Std Dev 1.673e+09

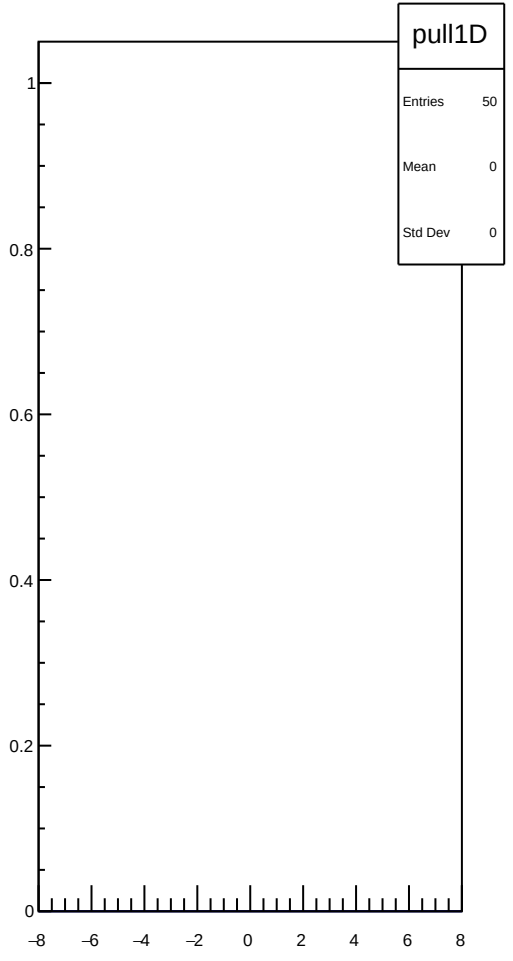

pull1D
Entries 50
Mean 0
Std Dev 0

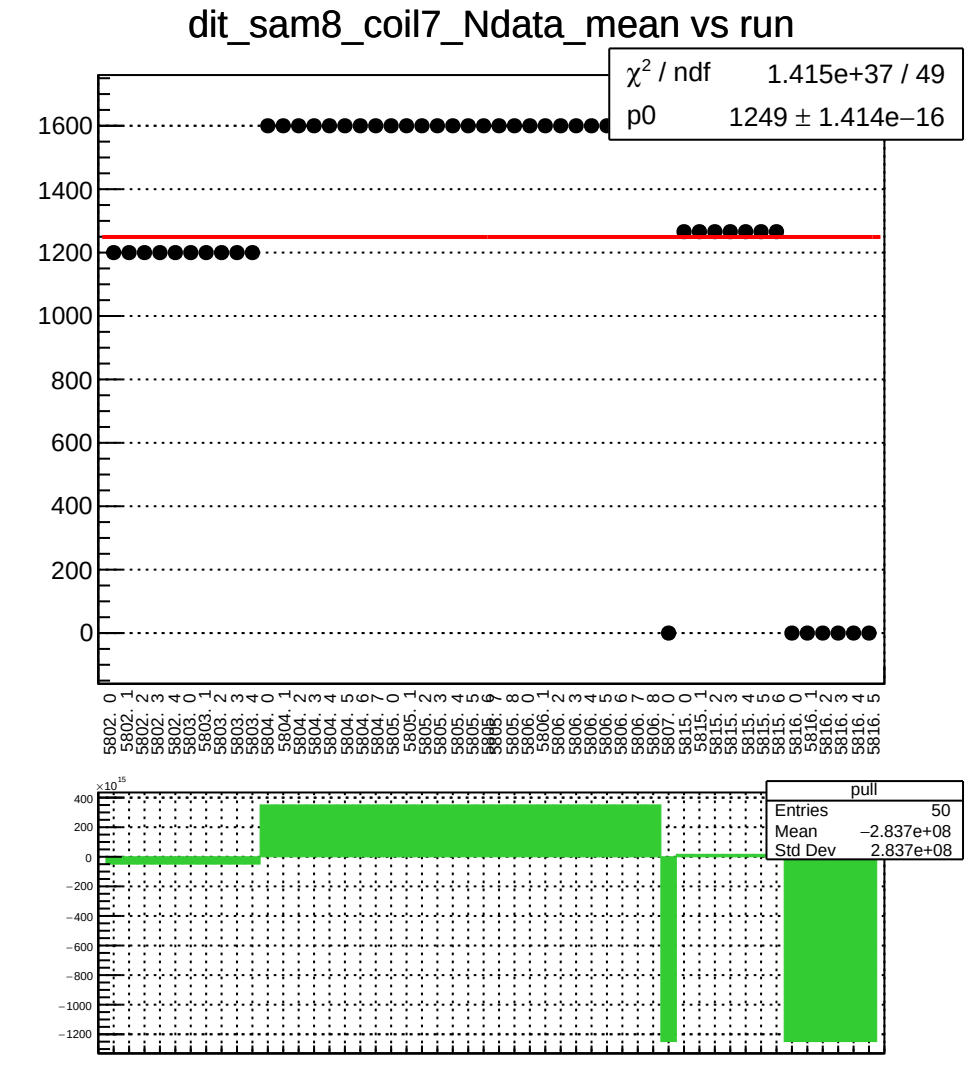

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

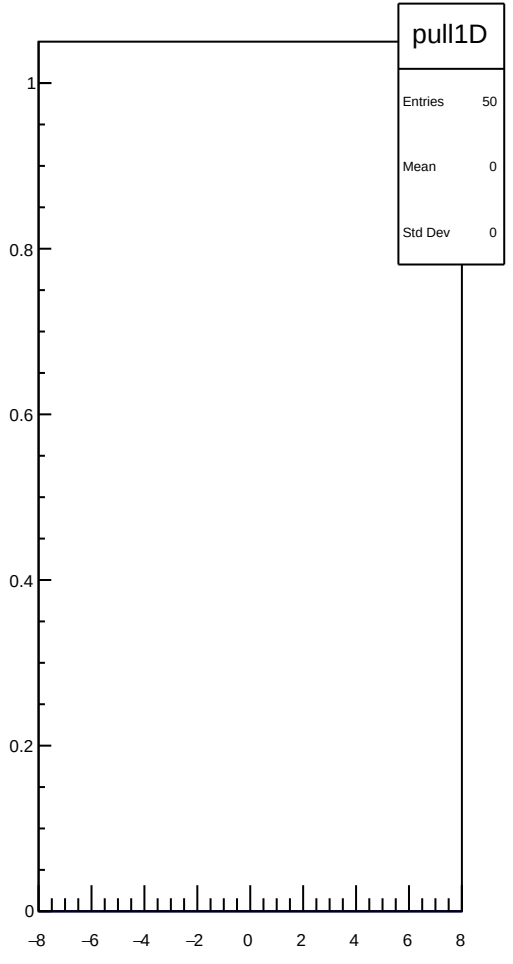

dit_sam8_coil7_mean vs run
χ² / ndf 5.346e+35 / 49
p0 1.904 ± 1.414e−16
pull
Entries 50
Mean 1.226e+09
Std Dev 1.226e+09

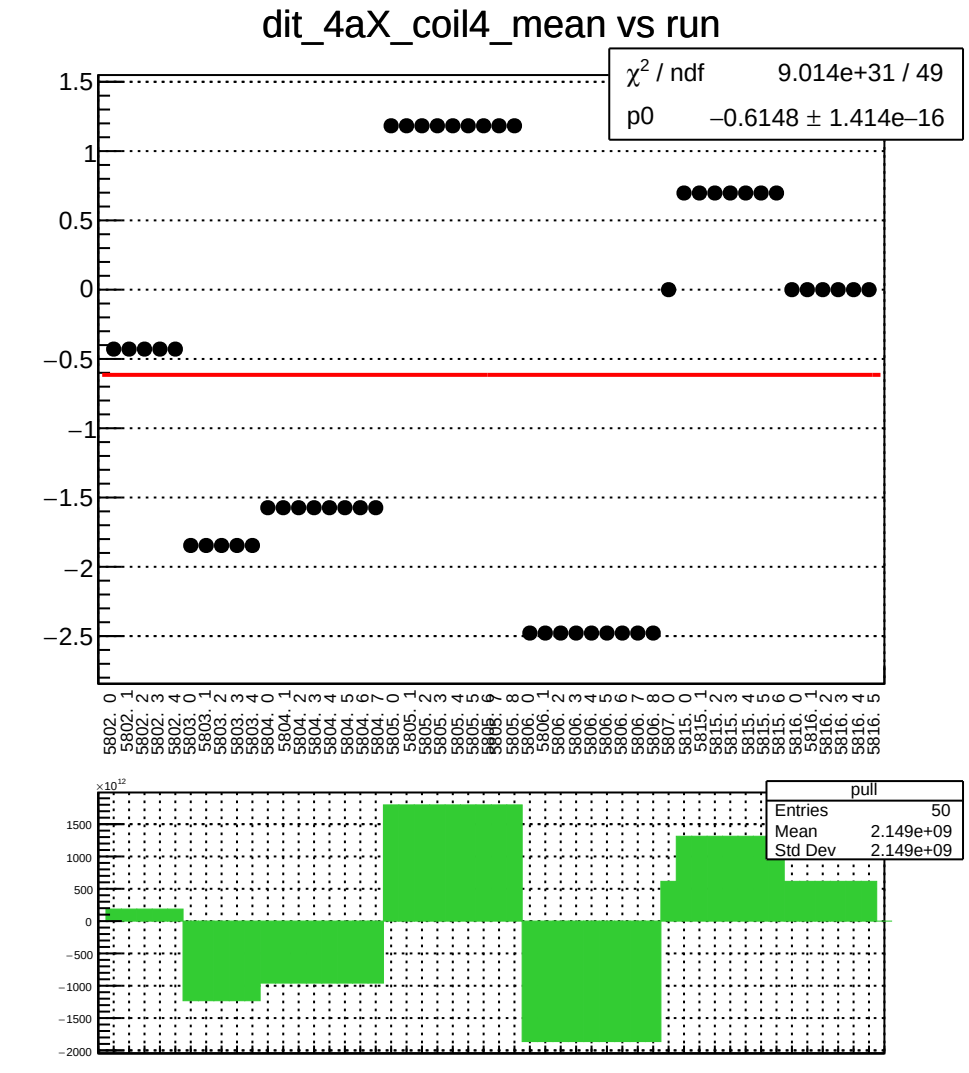

pull1D
Entries 50
Mean 0
Std Dev 0

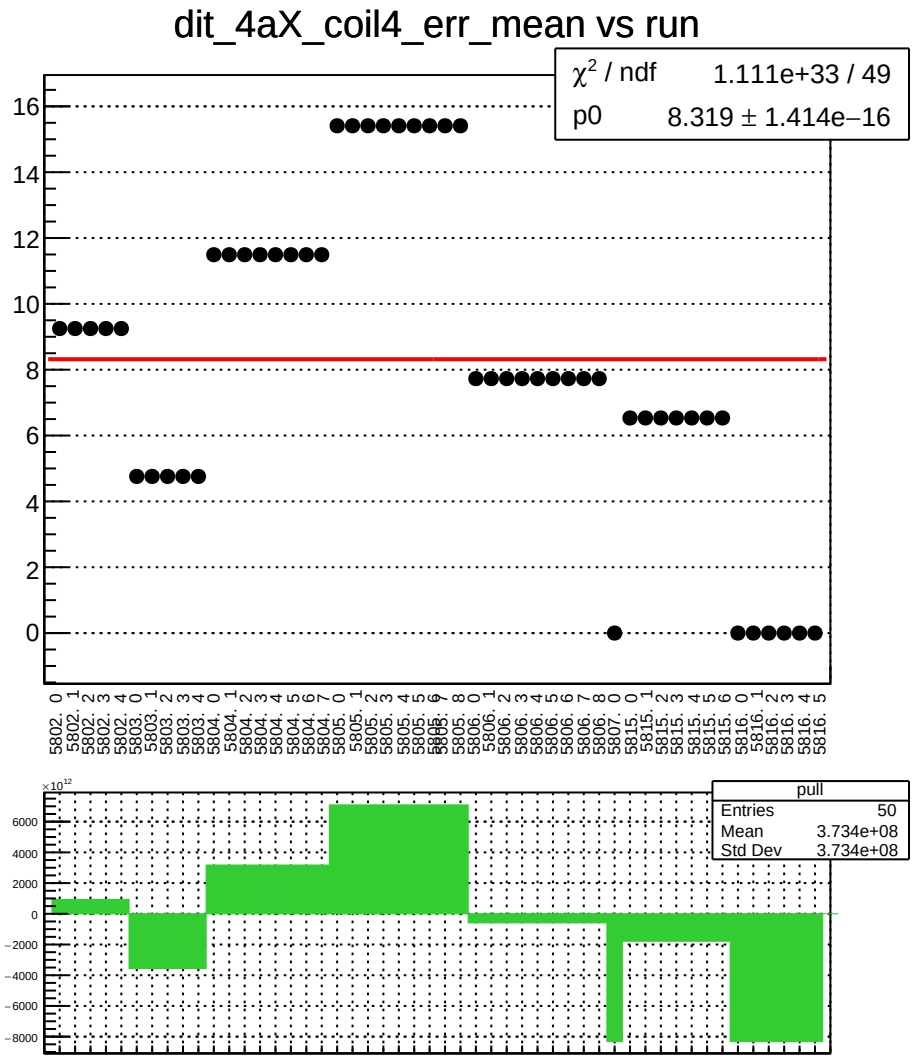

dit_sam8_coil7_err_mean vs run
χ² / ndf 1.075e+34 / 49
p0 34.37 ± 1.414e−16
pull
Entries 50
Mean 7.851e+10
Std Dev 7.851e+10

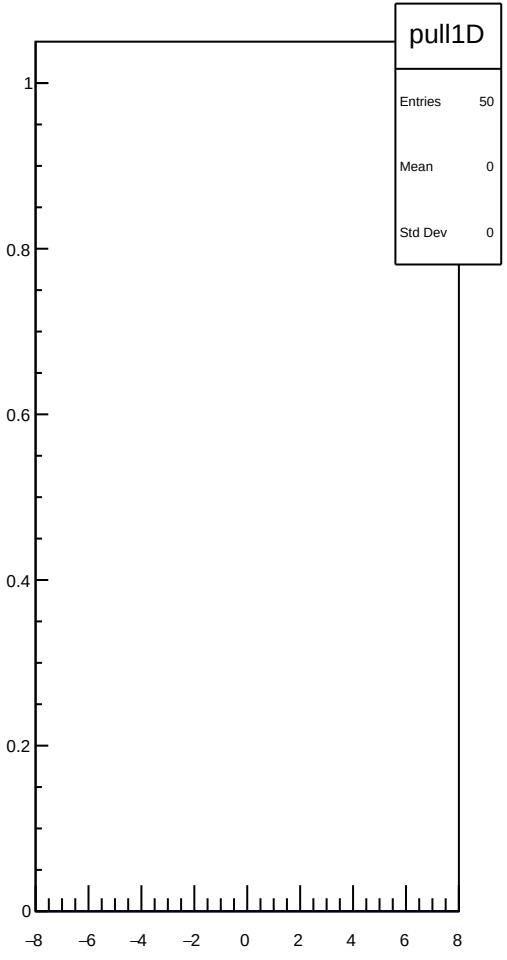

pull1D
Entries 50
Mean 0
Std Dev 0

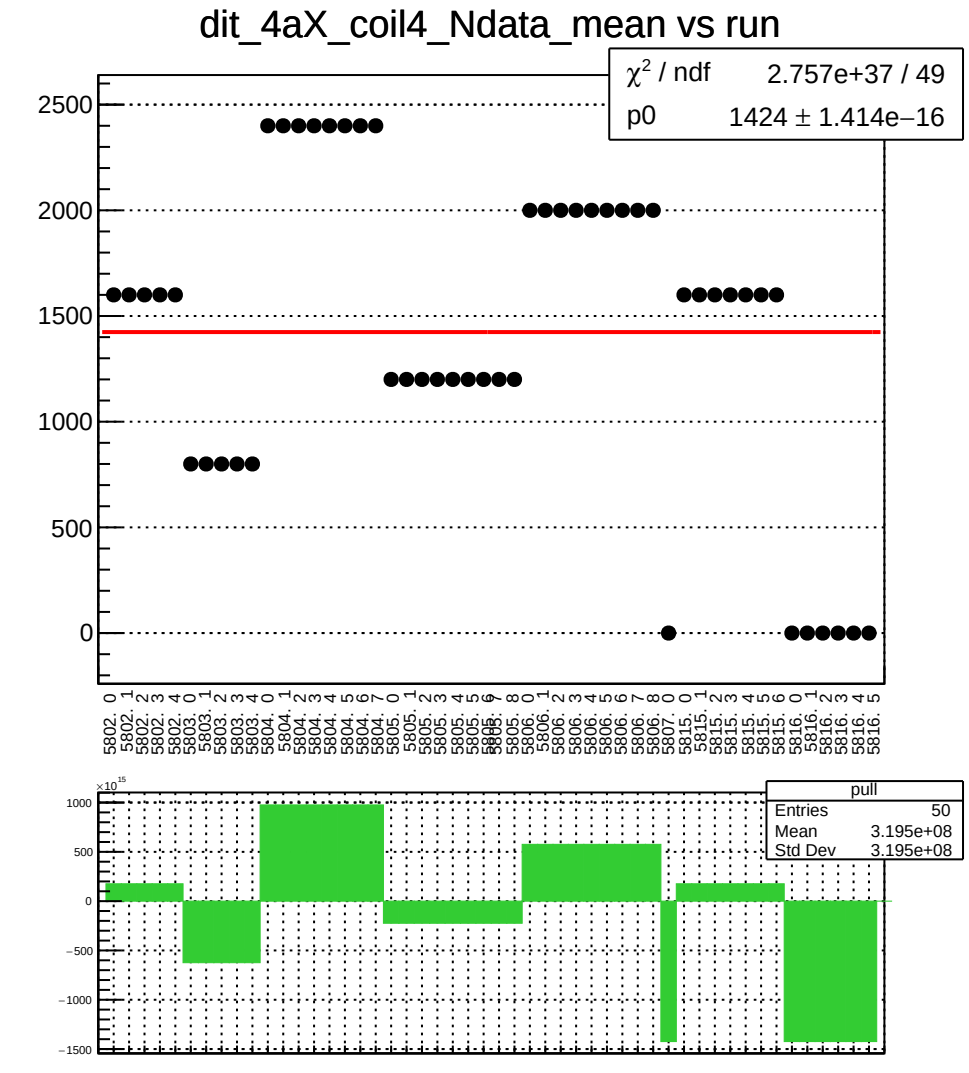

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 1.415e+37 / 49
p0 1249 ± 1.414e−16
pull
Entries 50
Mean −2.837e+08
Std Dev 2.837e+08

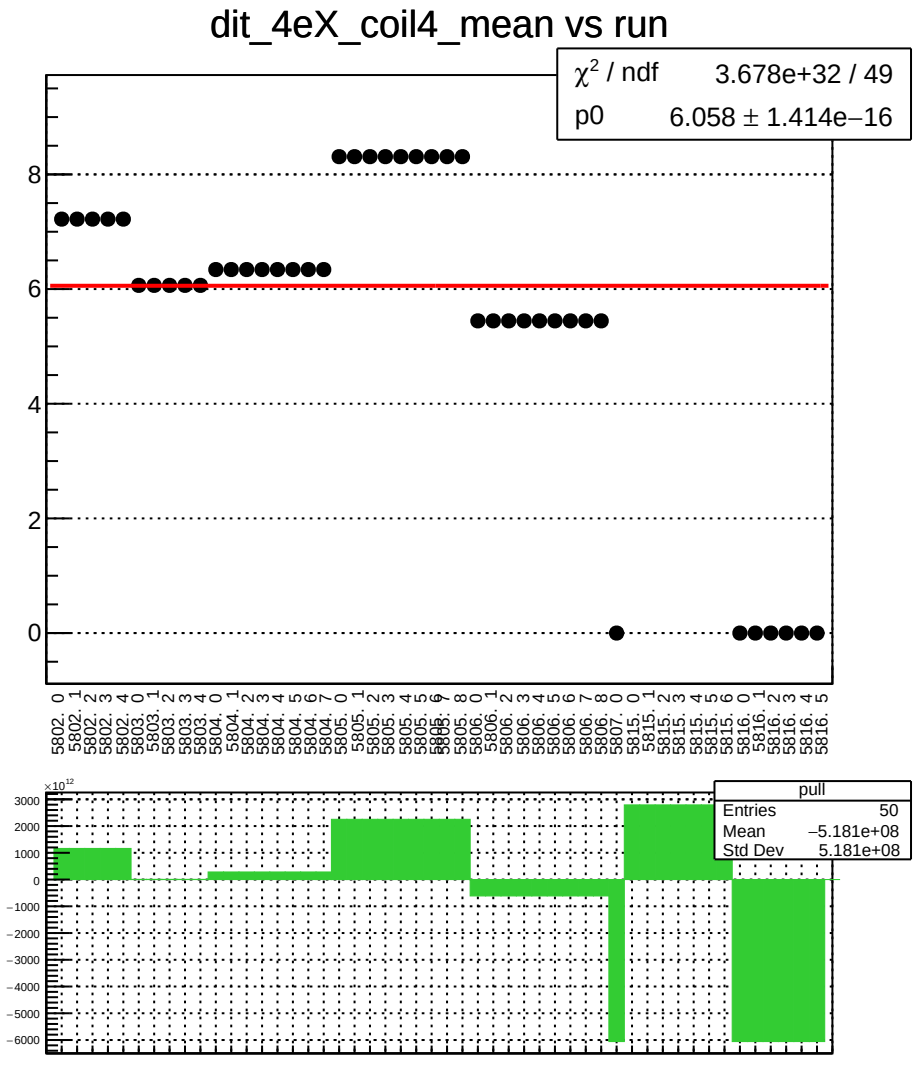

pull1D
Entries 50
Mean 0
Std Dev 0

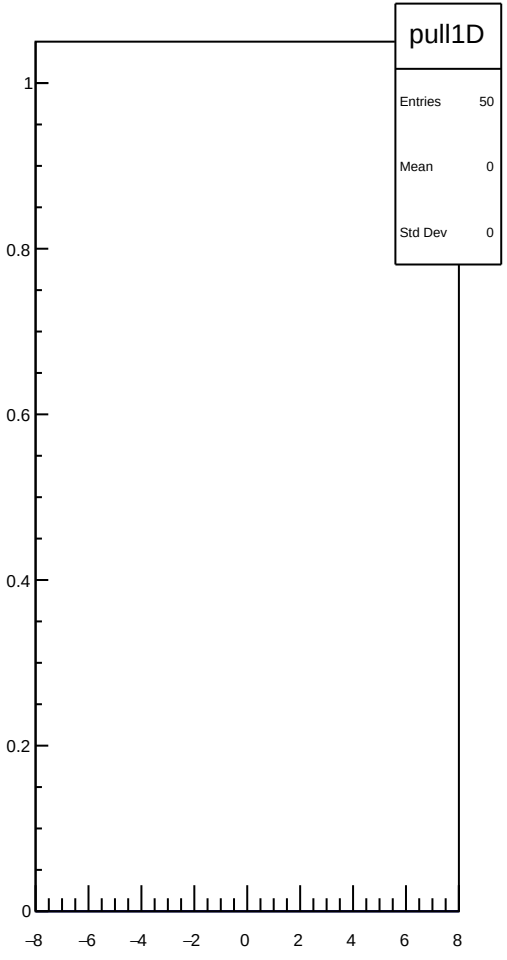

dit_4aX_coil4_mean vs run
χ² / ndf 9.014e+31 / 49
p0 −0.6148 ± 1.414e−16
pull
Entries 50
Mean 2.149e+09
Std Dev 2.149e+09
pull1D
Entries 50
Mean 0
Std Dev 0

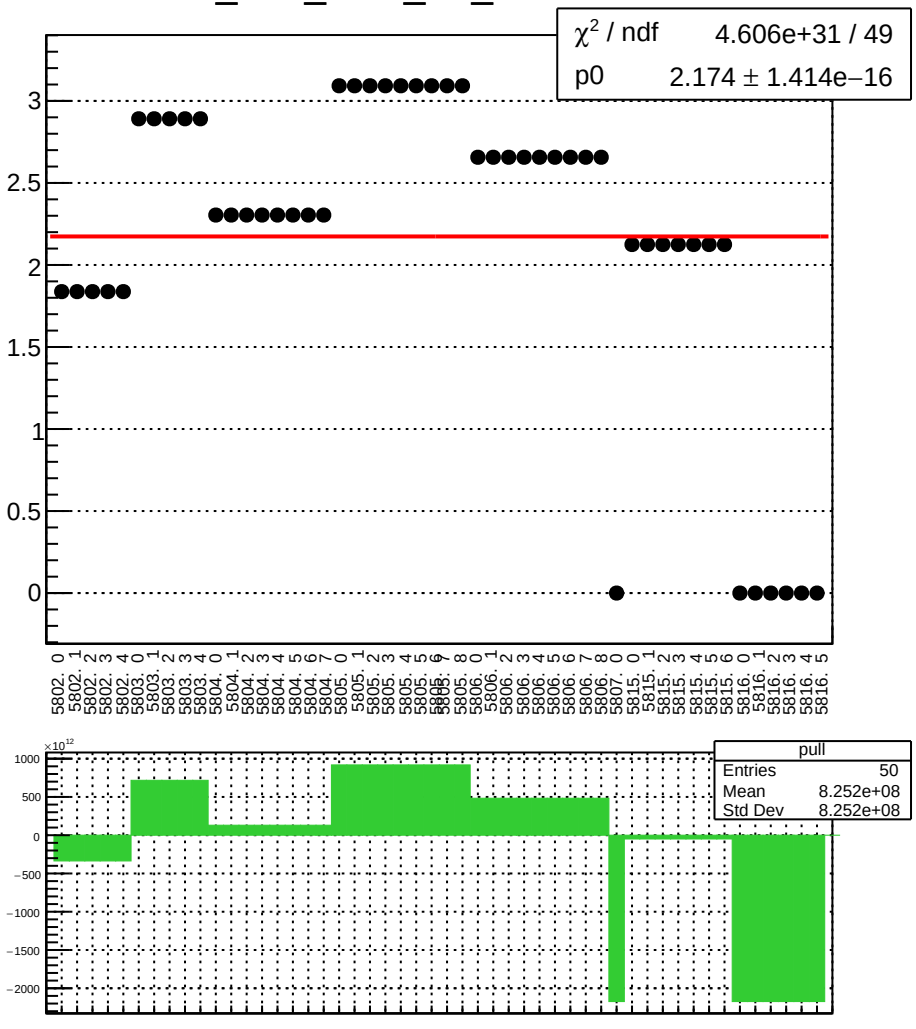

dit_4aX_coil4_err_mean vs run
χ² / ndf 1.111e+33 / 49
p0 8.319 ± 1.414e−16
pull
Entries 50
Mean 3.734e+08
Std Dev 3.734e+08

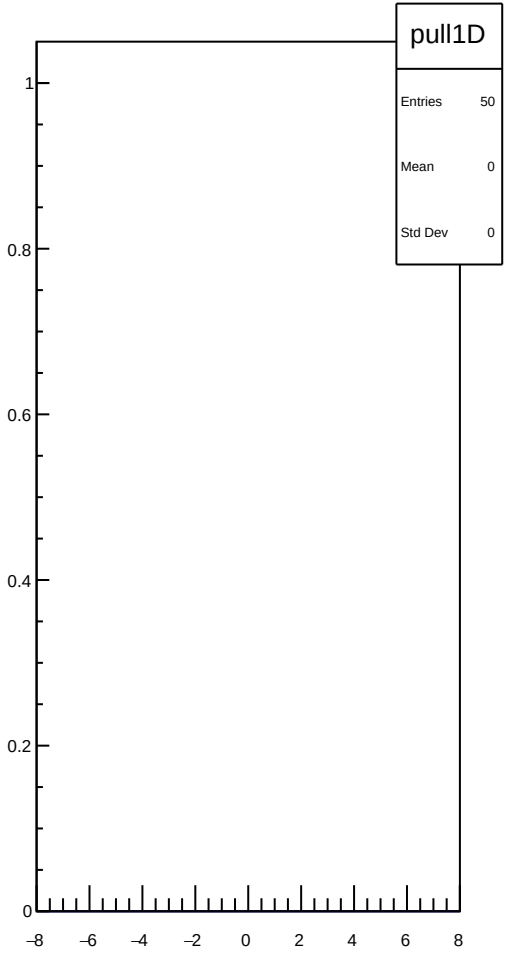

pull1D
Entries 50
Mean 0
Std Dev 0

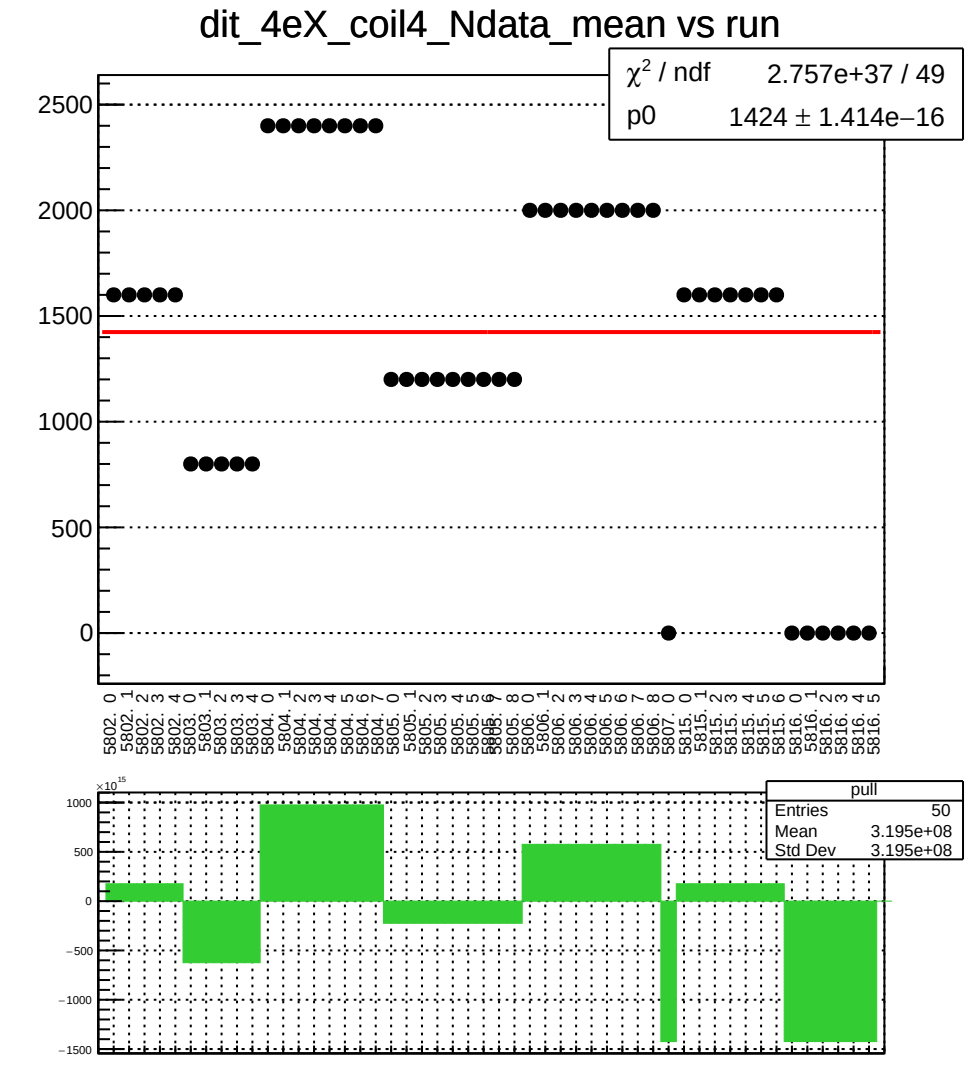

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

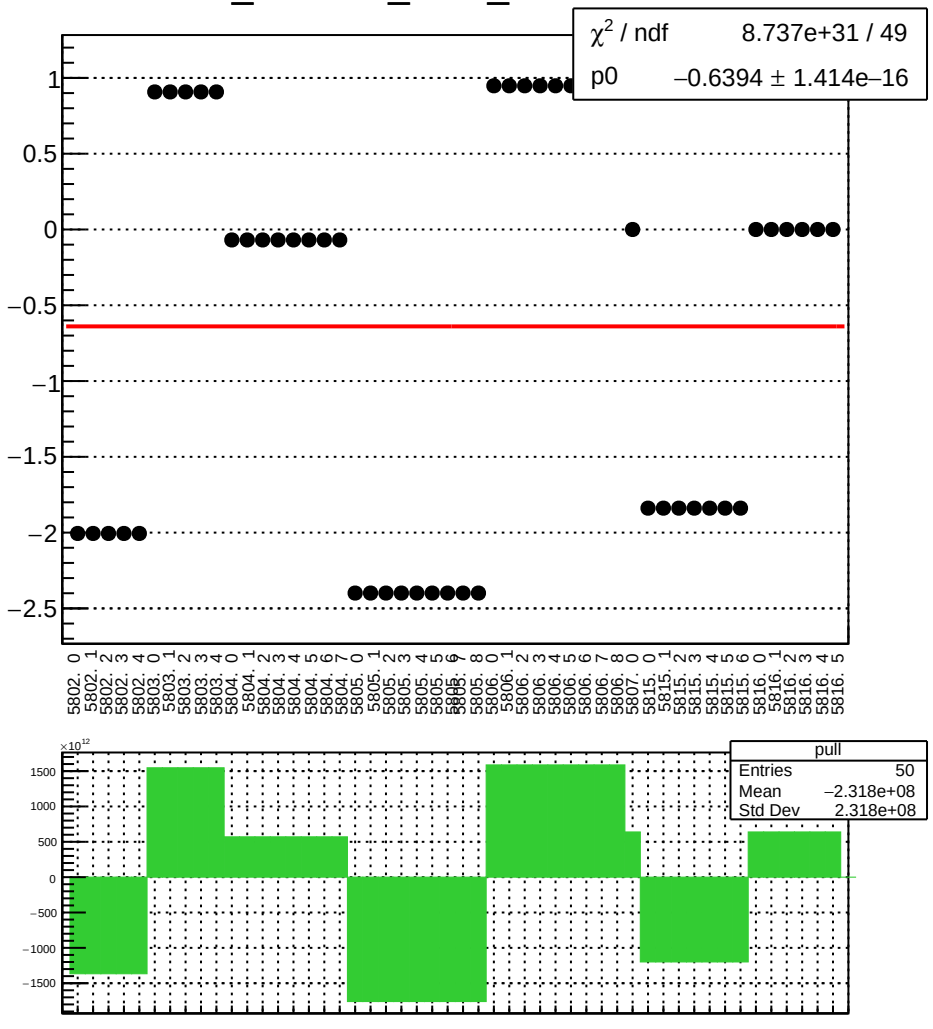

dit_4eX_coil4_mean vs run
χ² / ndf 3.678e+32 / 49
p0 6.058 ± 1.414e−16
pull
Entries 50
Mean −5.181e+08
Std Dev 5.181e+08

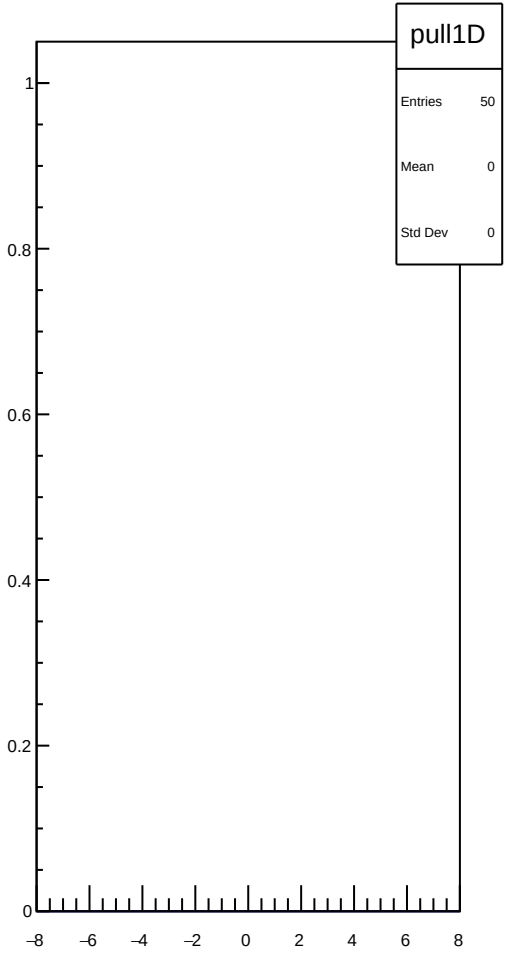

pull1D
Entries 50
Mean 0
Std Dev 0

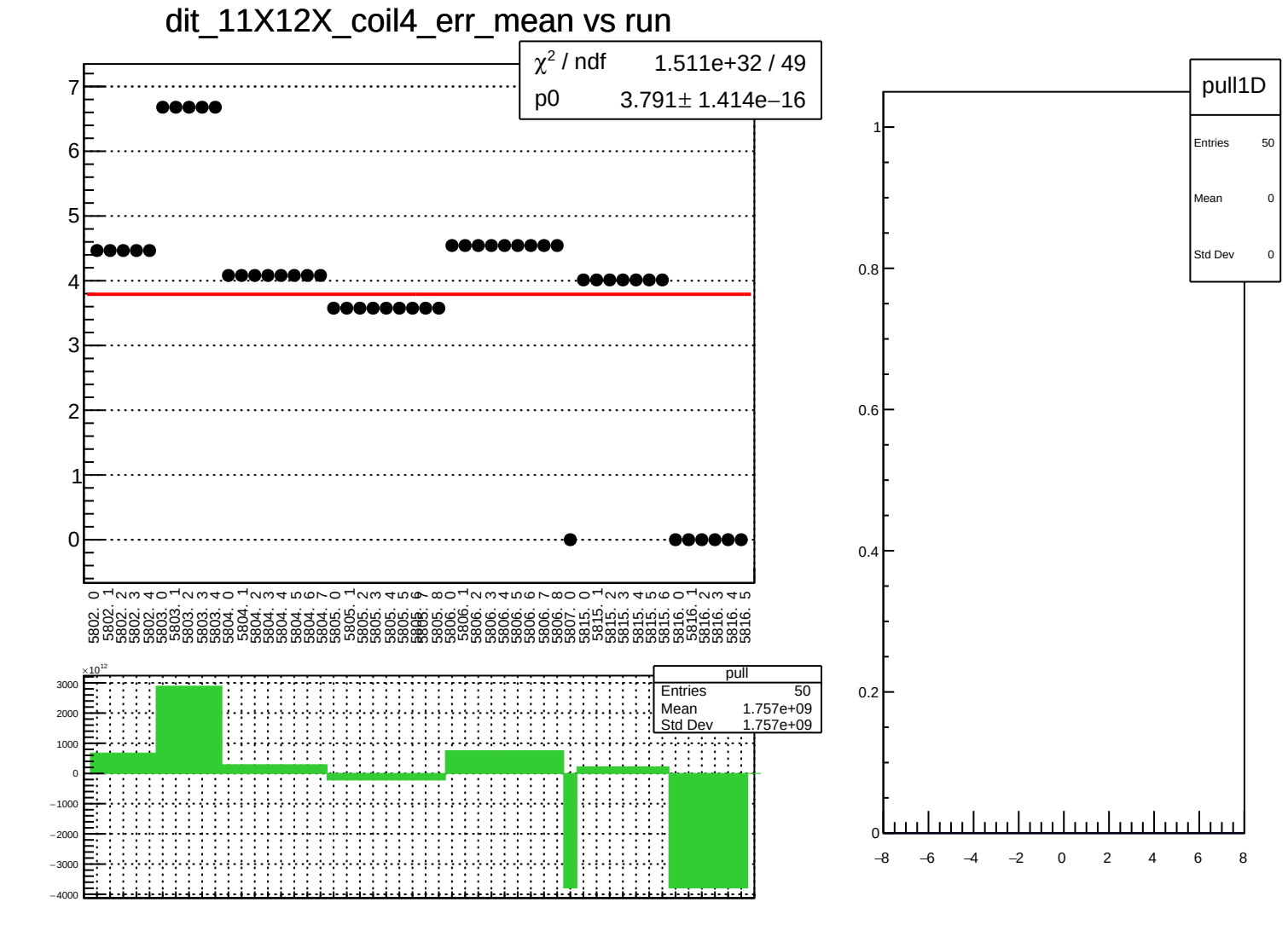

dit_4eX_coil4_err_mean vs run
χ² / ndf 4.606e+31 / 49
p0 2.174 ± 1.414e−16
pull
Entries 50
Mean 8.252e+08
Std Dev 8.252e+08

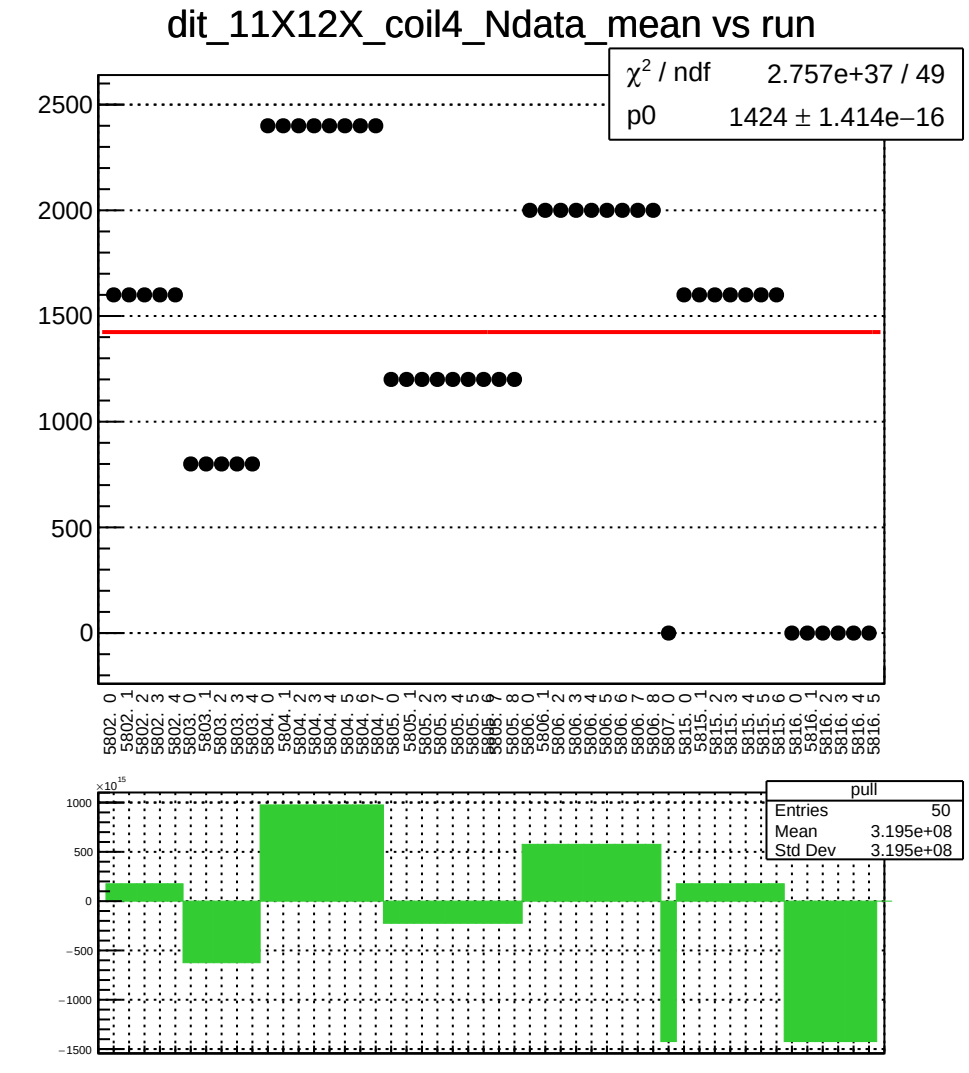

pull1D
Entries 50
Mean 0
Std Dev 0

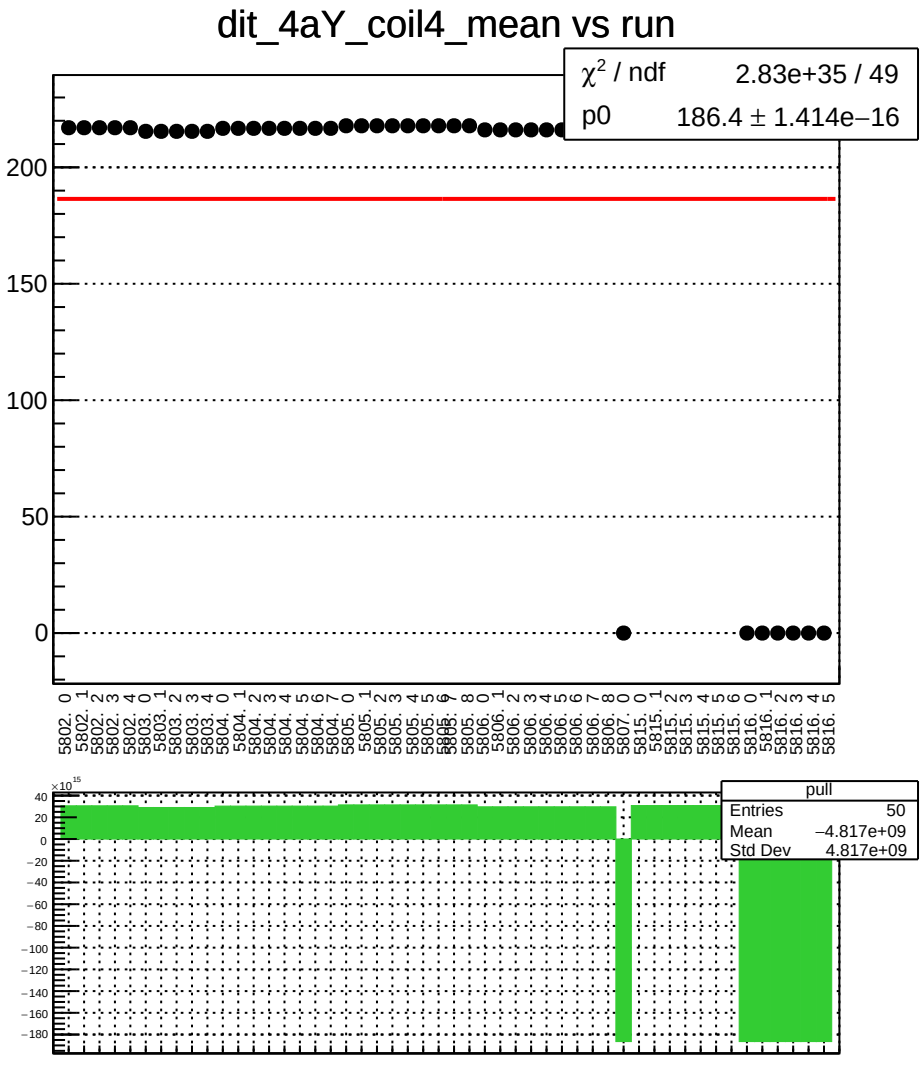

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

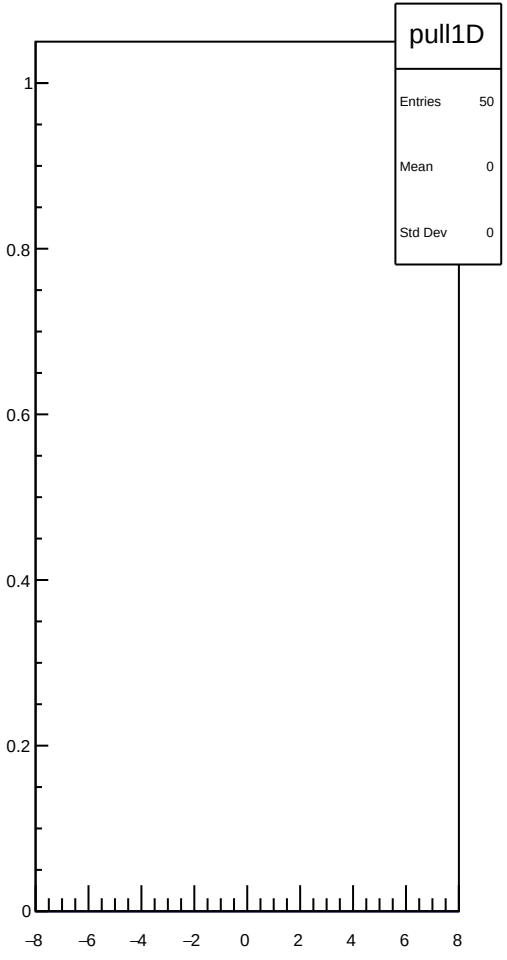

dit_11X12X_coil4_mean vs run
χ² / ndf 8.737e+31 / 49
p0 −0.6394 ± 1.414e−16
pull
Entries 50
Mean −2.318e+08
Std Dev 2.318e+08

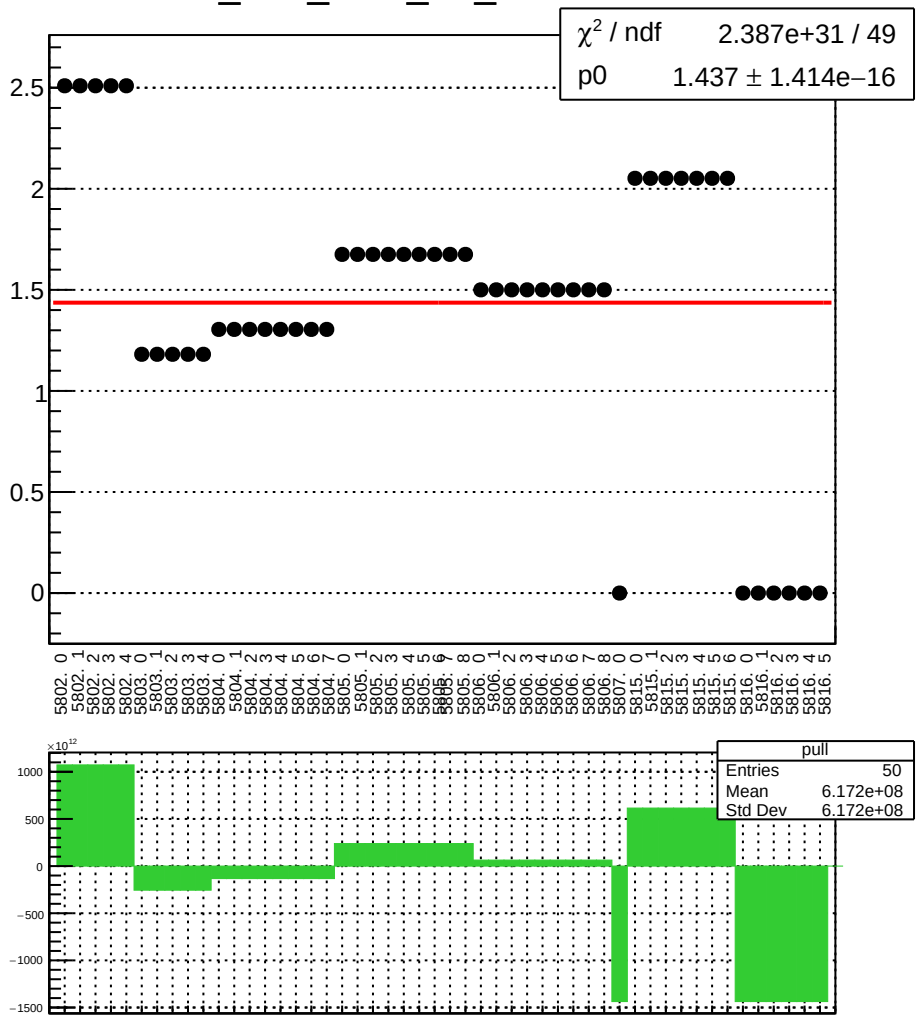

pull1D
Entries 50
Mean 0
Std Dev 0

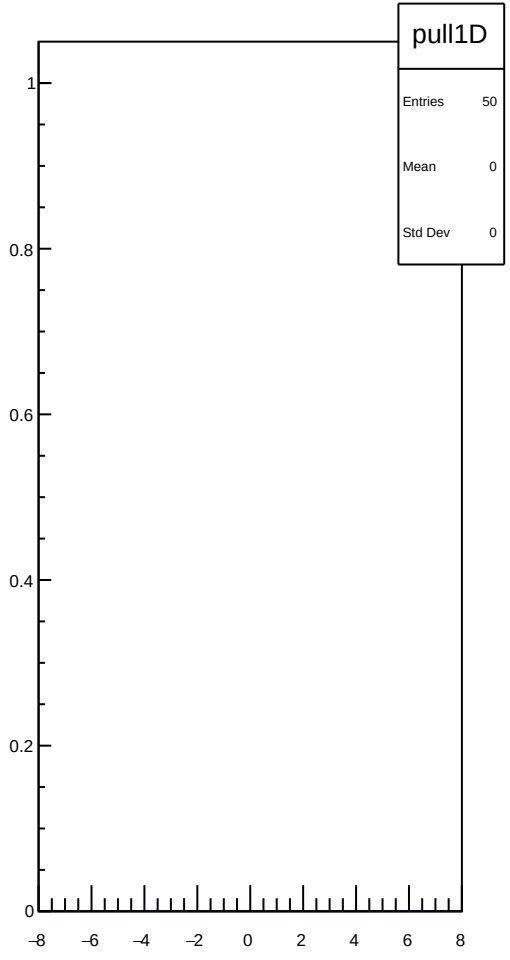

dit_11X12X_coil4_err_mean vs run
χ² / ndf 1.511e+32 / 49
p0 3.791± 1.414e−16
pull
Entries 50
Mean 1.757e+09
Std Dev 1.757e+09
pull1D
Entries 50
Mean 0
Std Dev 0

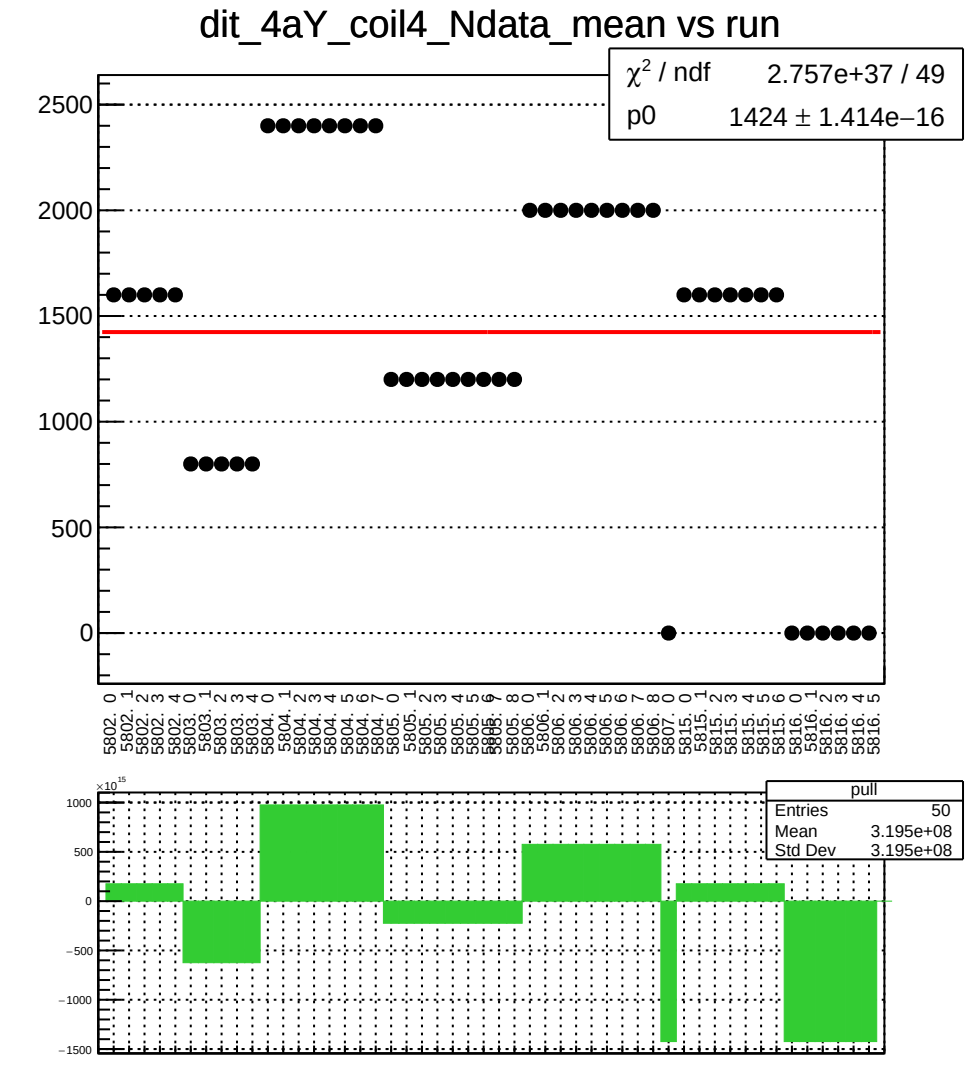

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

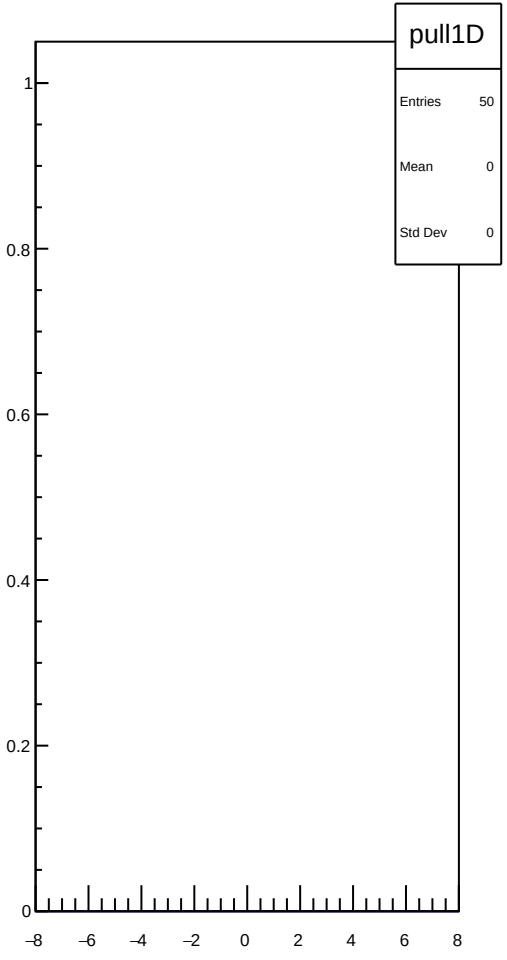

dit_4aY_coil4_mean vs run
χ² / ndf 2.83e+35 / 49
p0 186.4 ± 1.414e−16
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
40
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
pull
Entries 50
Mean −4.817e+09
Std Dev 4.817e+09

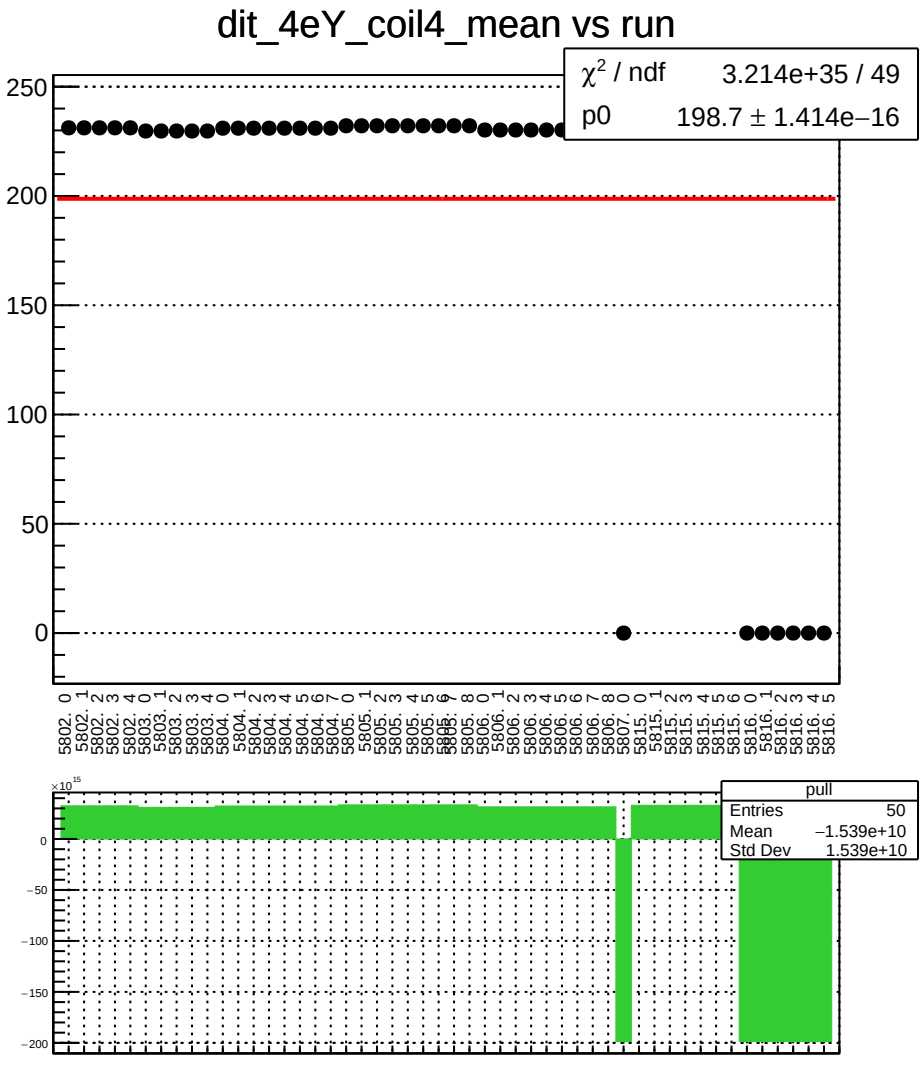

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

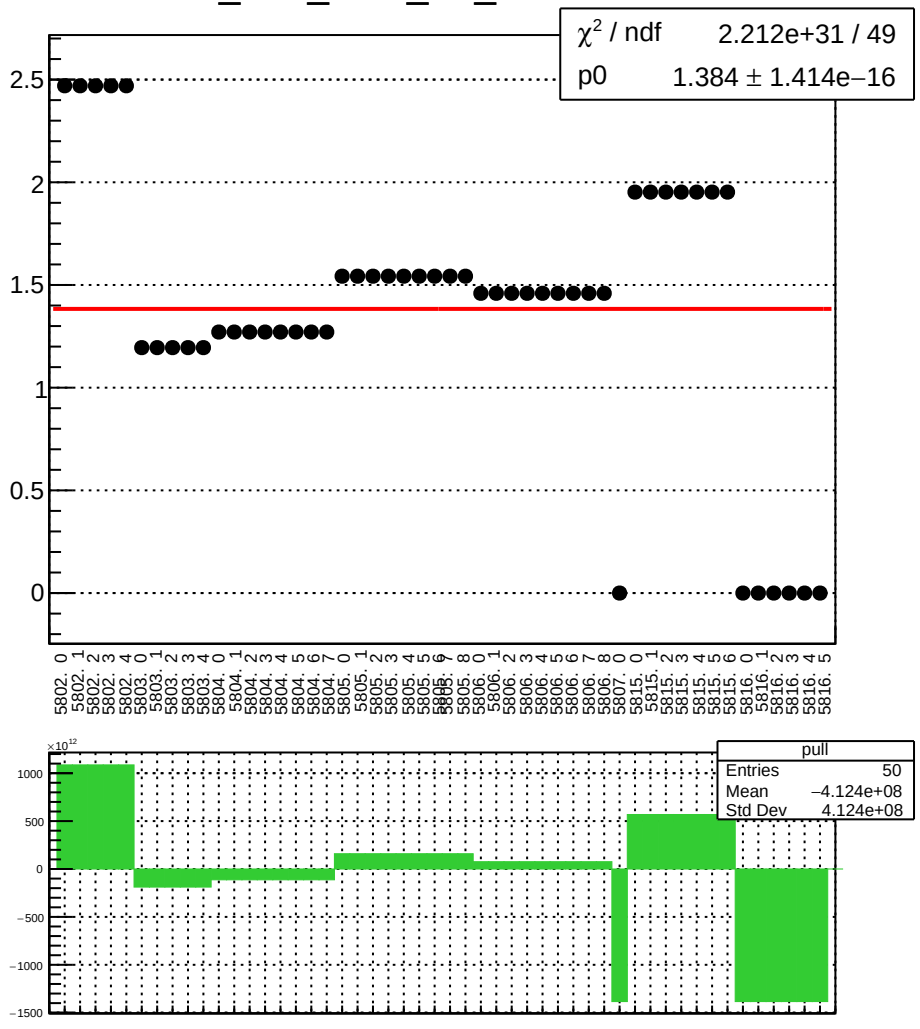

dit_4aY_coil4_err_mean vs run
χ² / ndf 2.387e+31 / 49
p0 1.437 ± 1.414e−16
pull
Entries 50
Mean 6.172e+08
Std Dev 6.172e+08

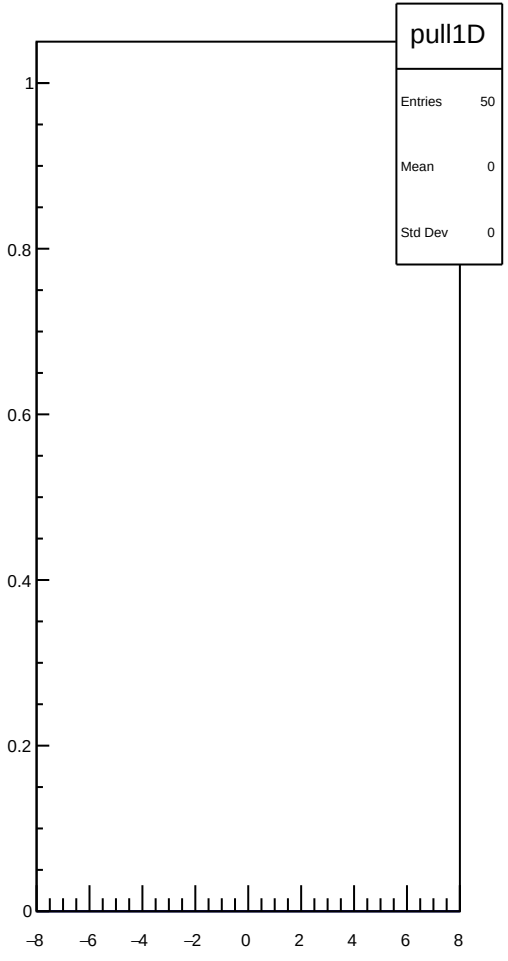

pull1D
Entries 50
Mean 0
Std Dev 0

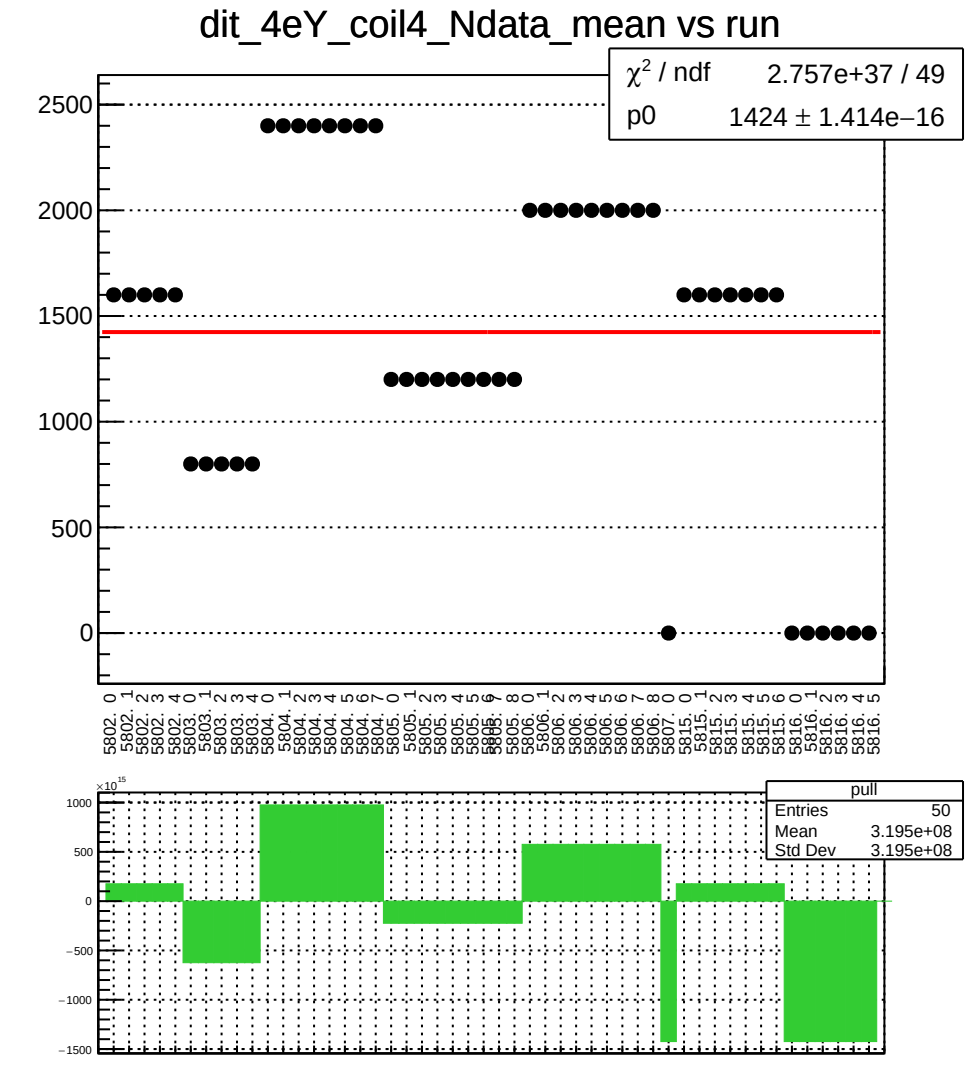

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
×10¹⁵
1000
500
0
−500
−1000
−1500


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4eY_coil4_mean vs run
χ² / ndf 3.214e+35 / 49
p0 198.7 ± 1.414e−16
250
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
0
−50
−100
−150
−200
pull
Entries 50
Mean −1.539e+10
Std Dev 1.539e+10
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4eY_coil4_err_mean vs run
χ² / ndf 2.212e+31 / 49
p0 1.384 ± 1.414e−16
pull
Entries 50
Mean −4.124e+08
Std Dev 4.124e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
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5804. 2
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5804. 4
5804. 5
5804. 6
5804. 7
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5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
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5806. 4
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5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
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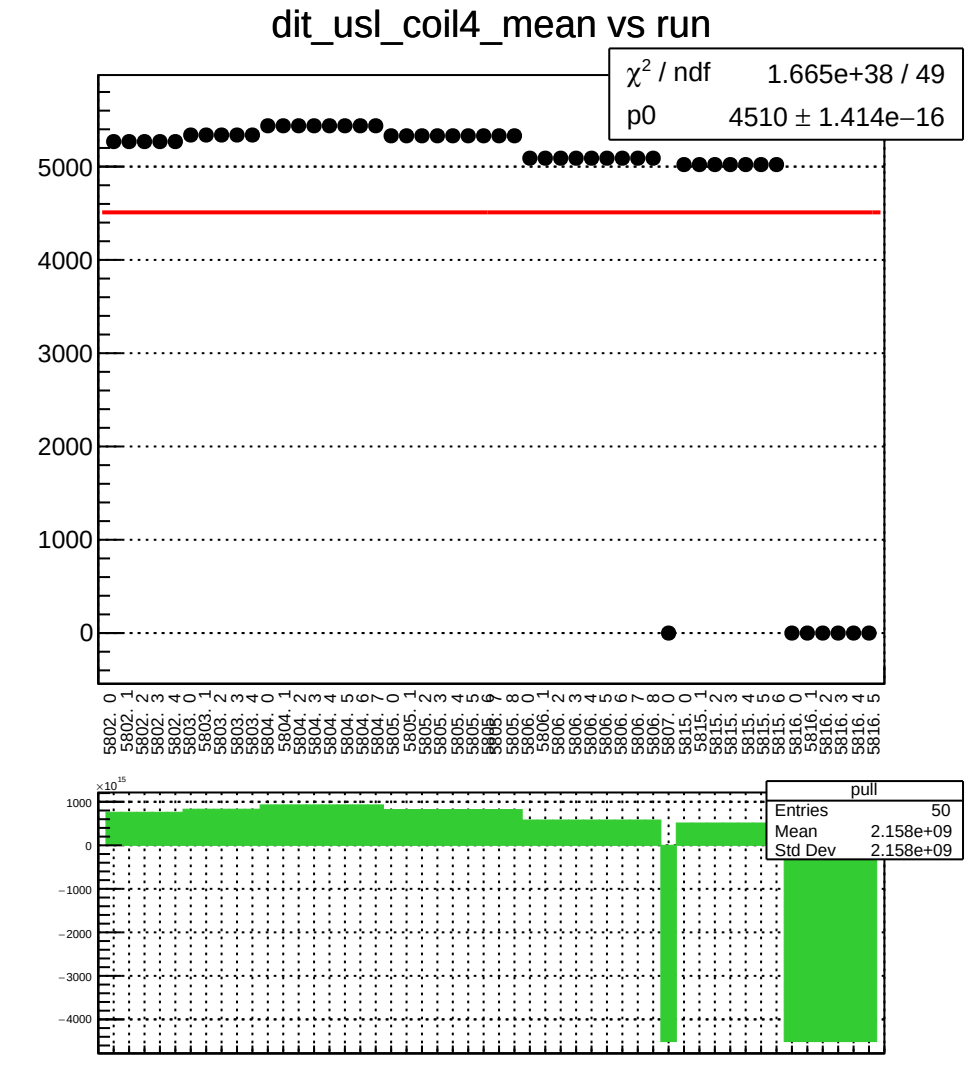
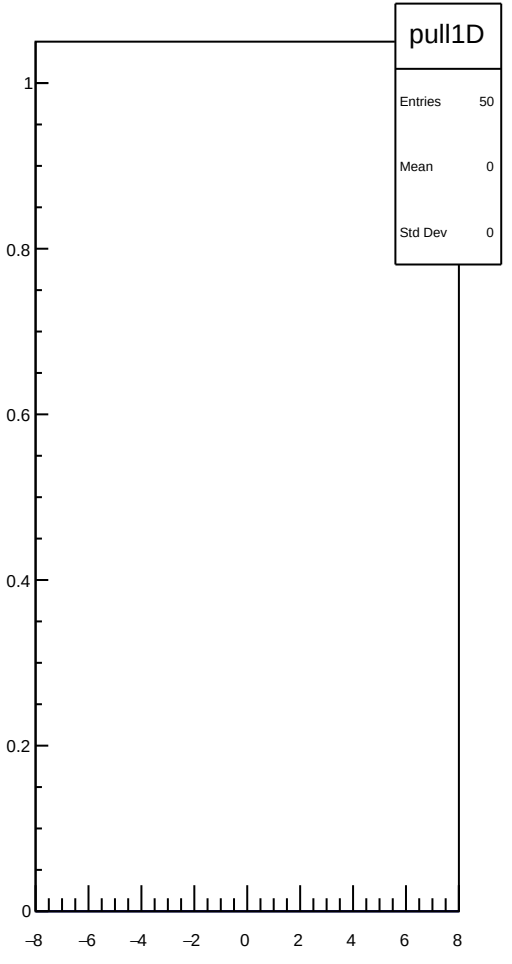
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usl_coil4_mean vs run
χ² / ndf 1.665e+38 / 49
p0 4510 ± 1.414e−16
5000
4000
3000
2000
1000
0
pull
Entries 50
Mean 2.158e+09
Std Dev 2.158e+09
×10¹⁵
1000
0
−1000
−2000
−3000
−4000


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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2
4
6
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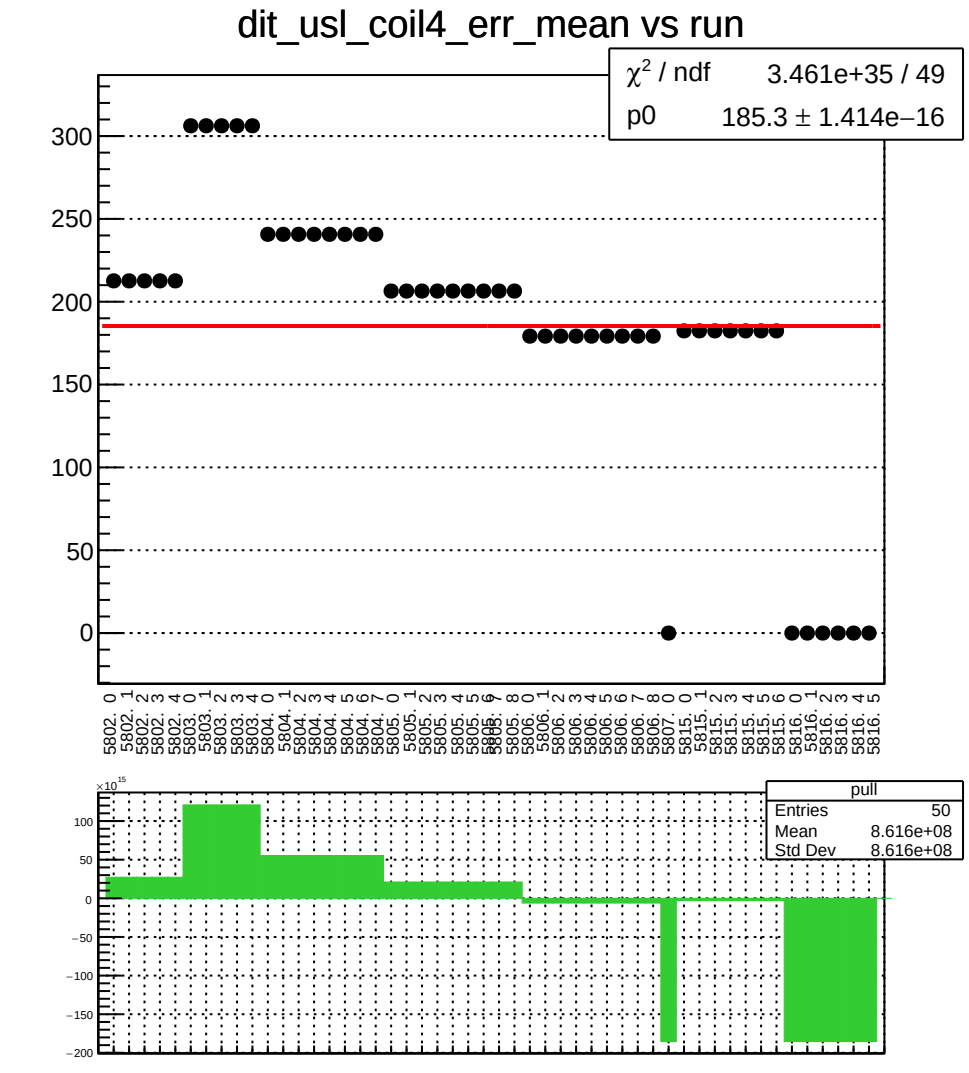
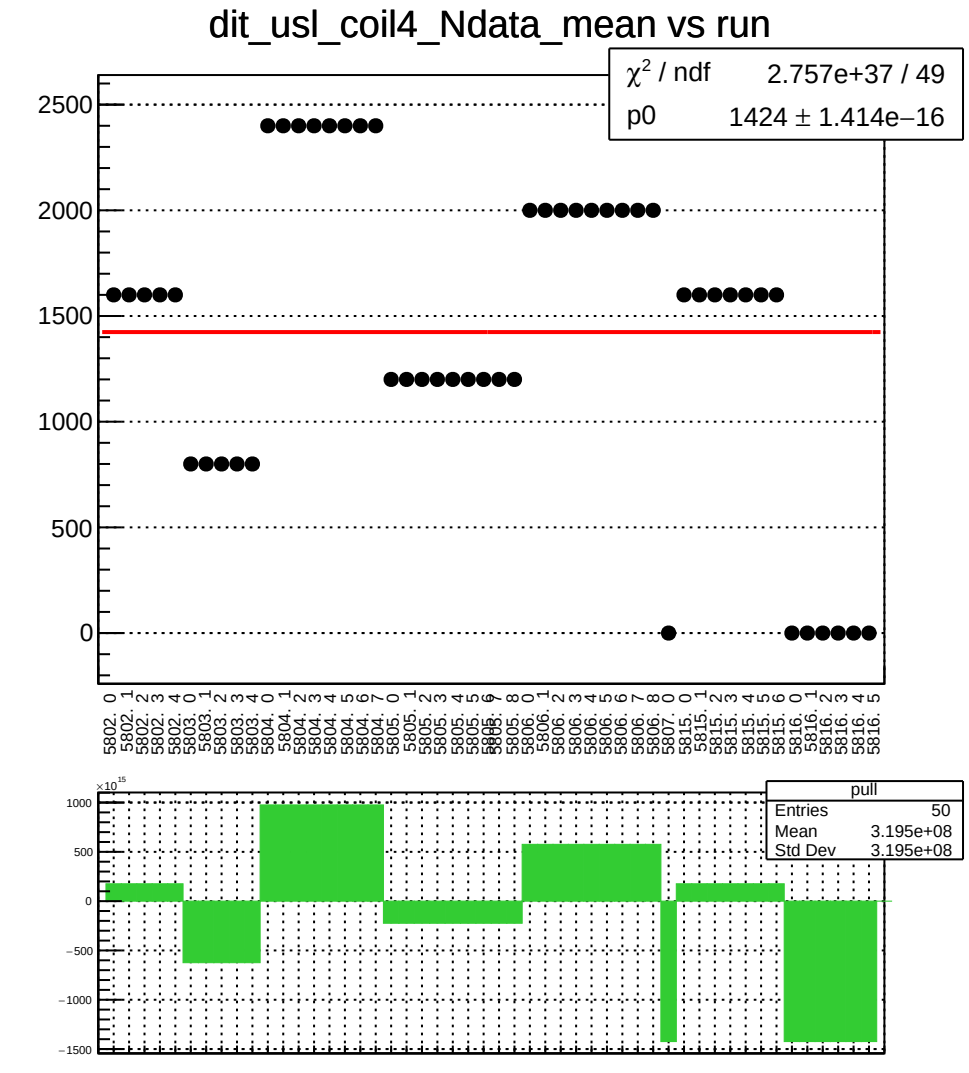

dit_usl_coil4_err_mean vs run
χ² / ndf 3.461e+35 / 49
p0 185.3 ± 1.414e−16
300
250
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
100
50
0
−50
−100
−150
−200
pull
Entries 50
Mean 8.616e+08
Std Dev 8.616e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
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5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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5805. 2
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5806. 6
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5806. 8
5807. 0
5815. 0
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5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
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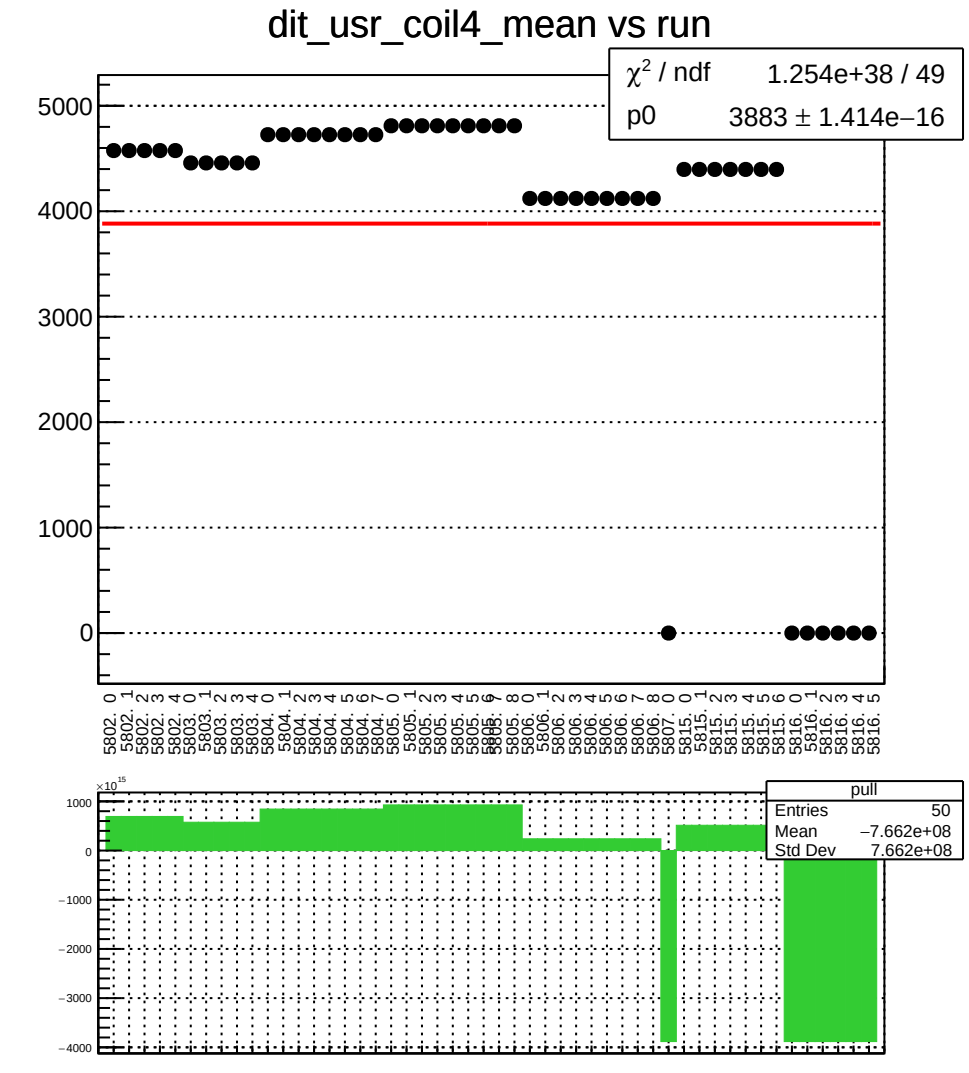
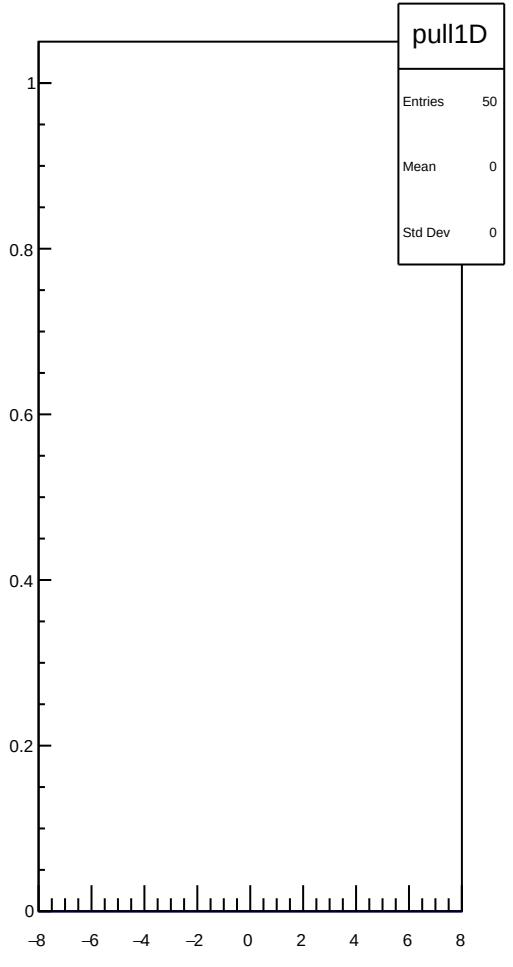
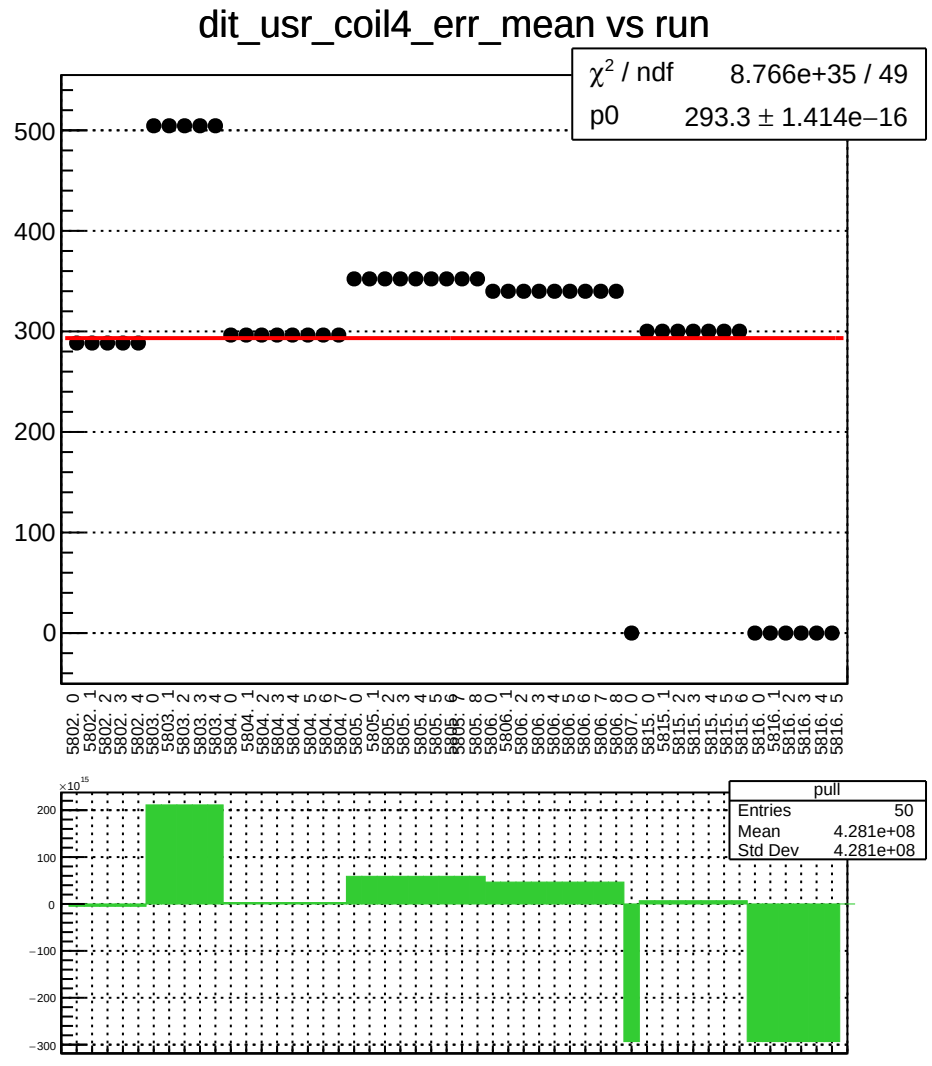
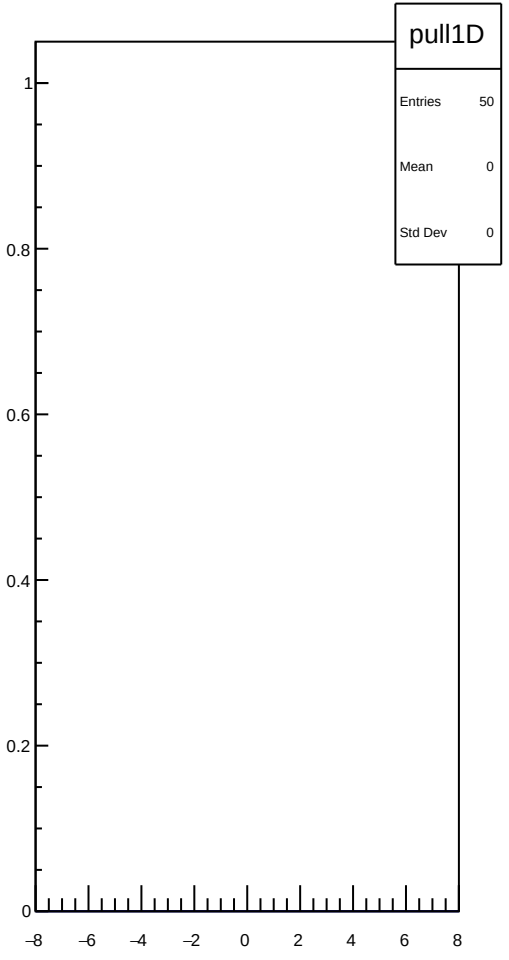
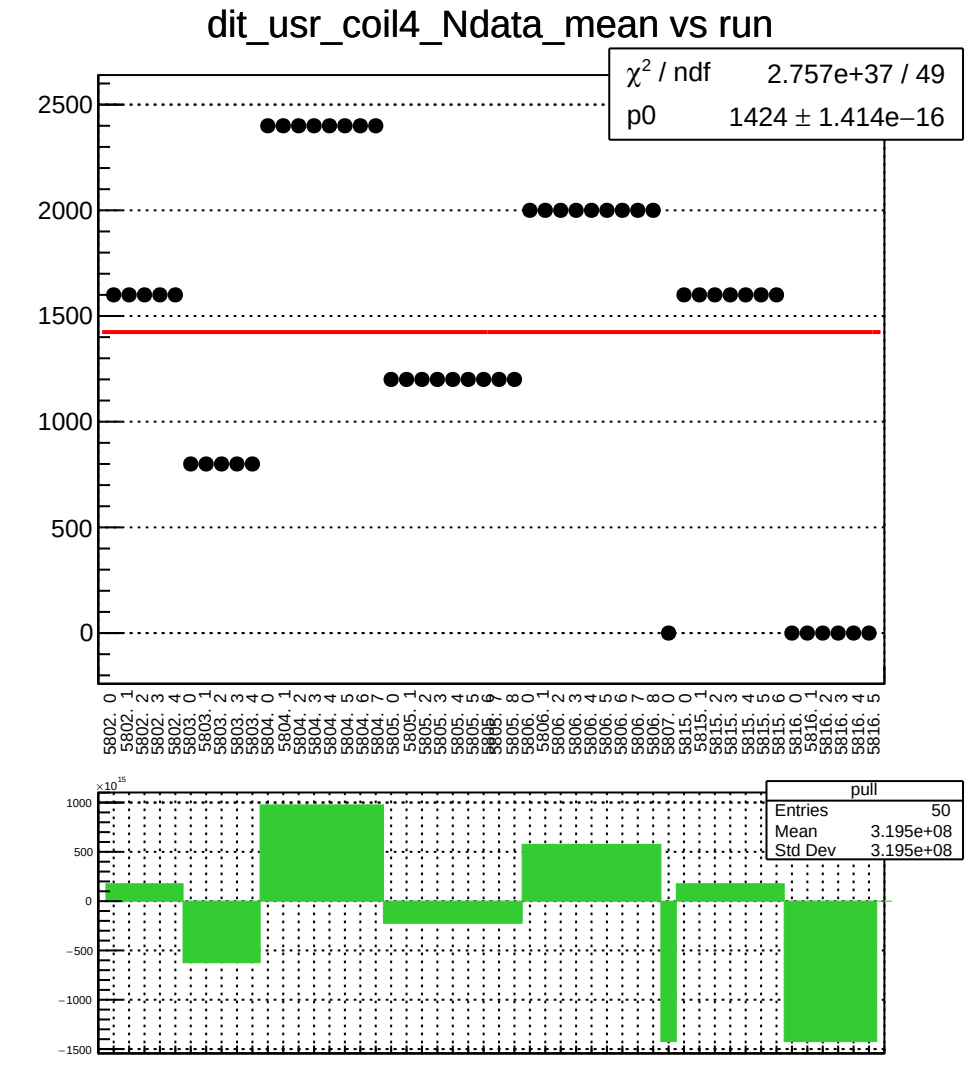

dit_usr_coil4_mean vs run
χ² / ndf 1.254e+38 / 49
p0 3883 ± 1.414e−16
pull
Entries 50
Mean −7.662e+08
Std Dev 7.662e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_usr_coil4_err_mean vs run
χ² / ndf 8.766e+35 / 49
p0 293.3 ± 1.414e−16
pull
Entries 50
Mean 4.281e+08
Std Dev 4.281e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_usr_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
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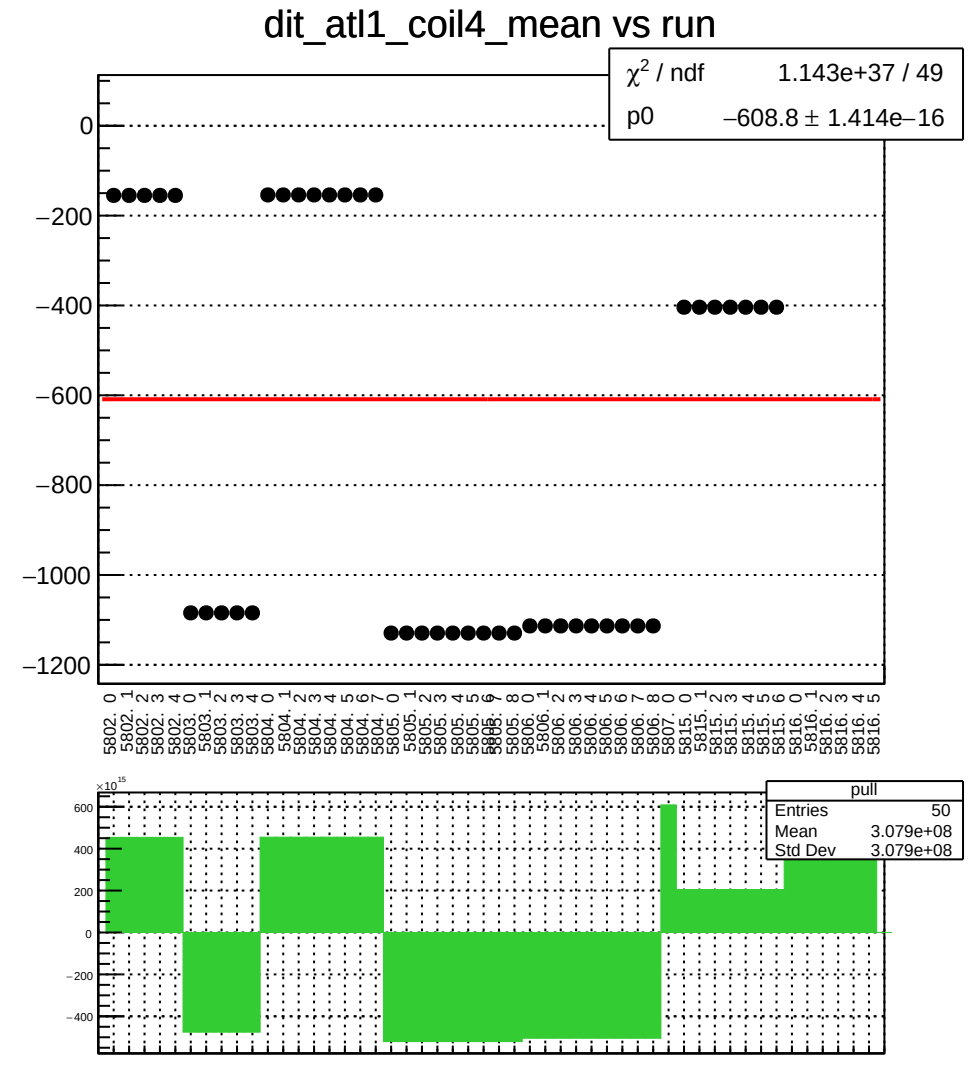
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil4_mean vs run
χ² / ndf 1.143e+37 / 49
p0 −608.8 ± 1.414e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean 3.079e+08
Std Dev 3.079e+08
×10¹⁵
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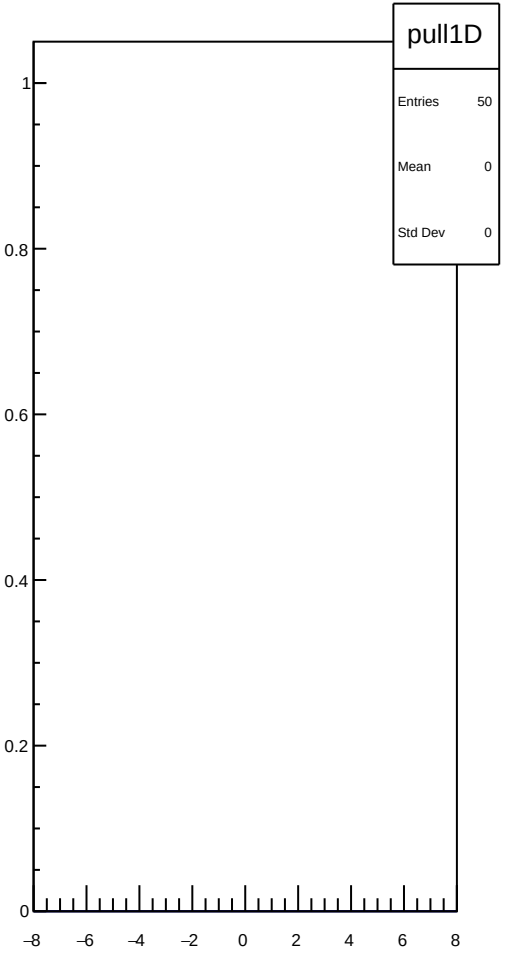
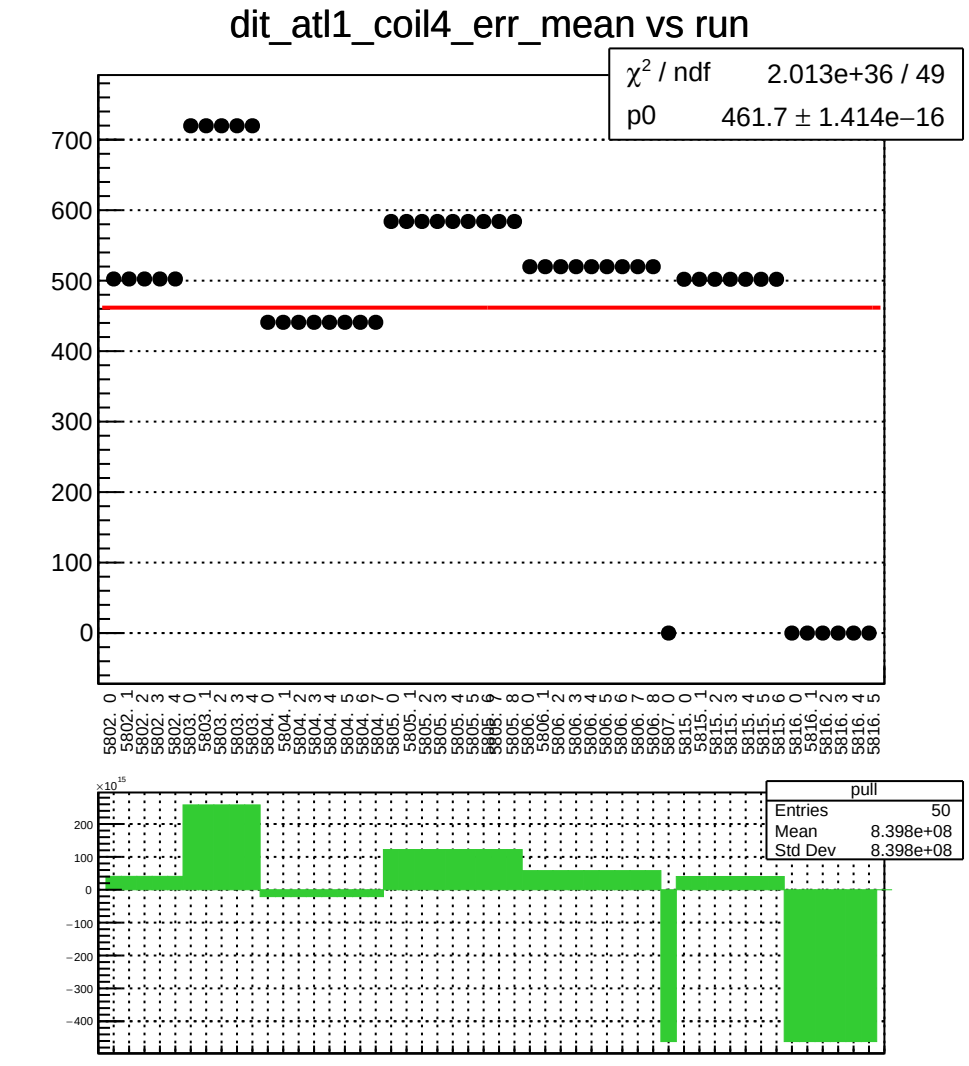
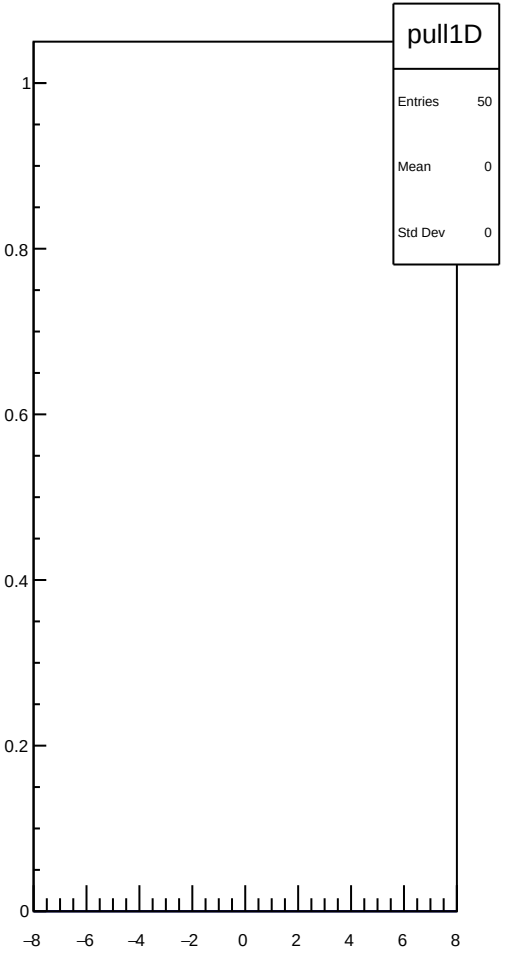
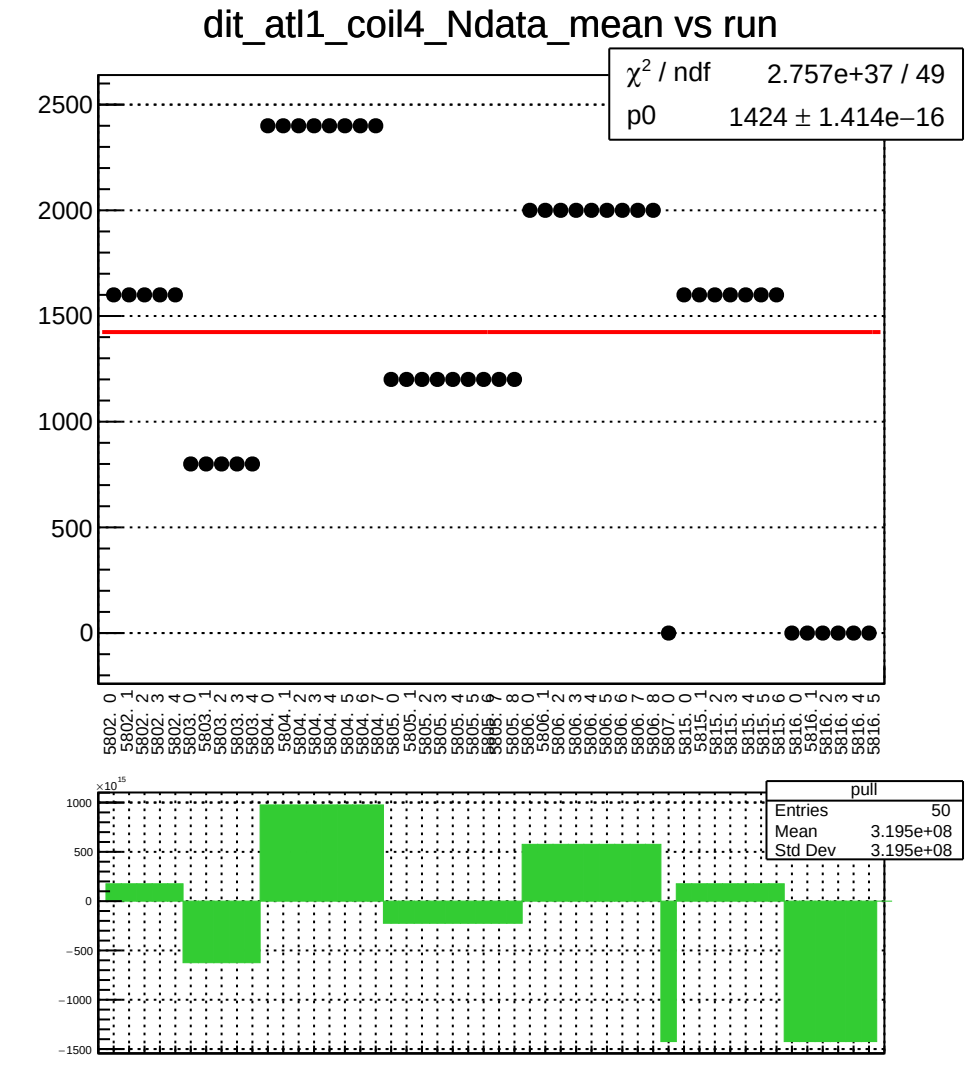
400
200
0
−200
−400


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil4_err_mean vs run
χ² / ndf 2.013e+36 / 49
p0 461.7 ± 1.414e−16
pull
Entries 50
Mean 8.398e+08
Std Dev 8.398e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
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5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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5805. 2
5805. 3
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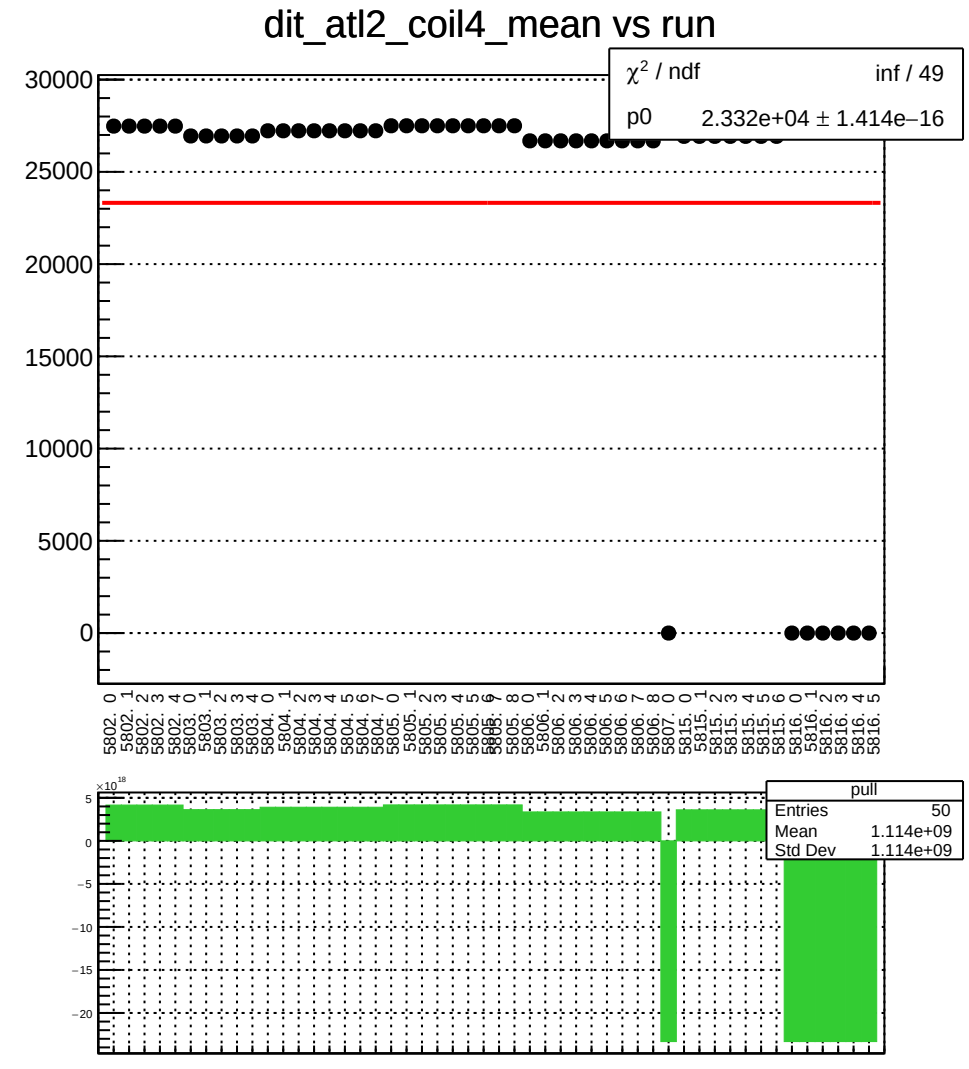
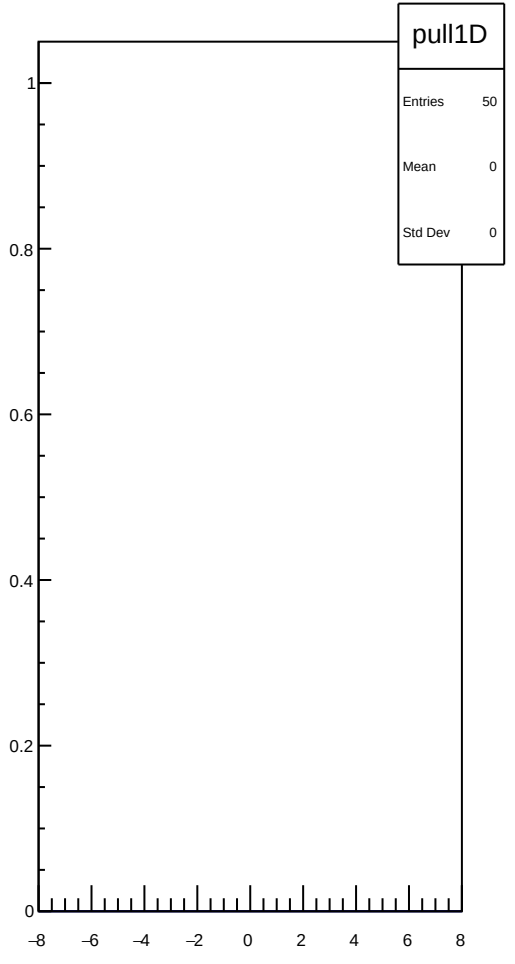
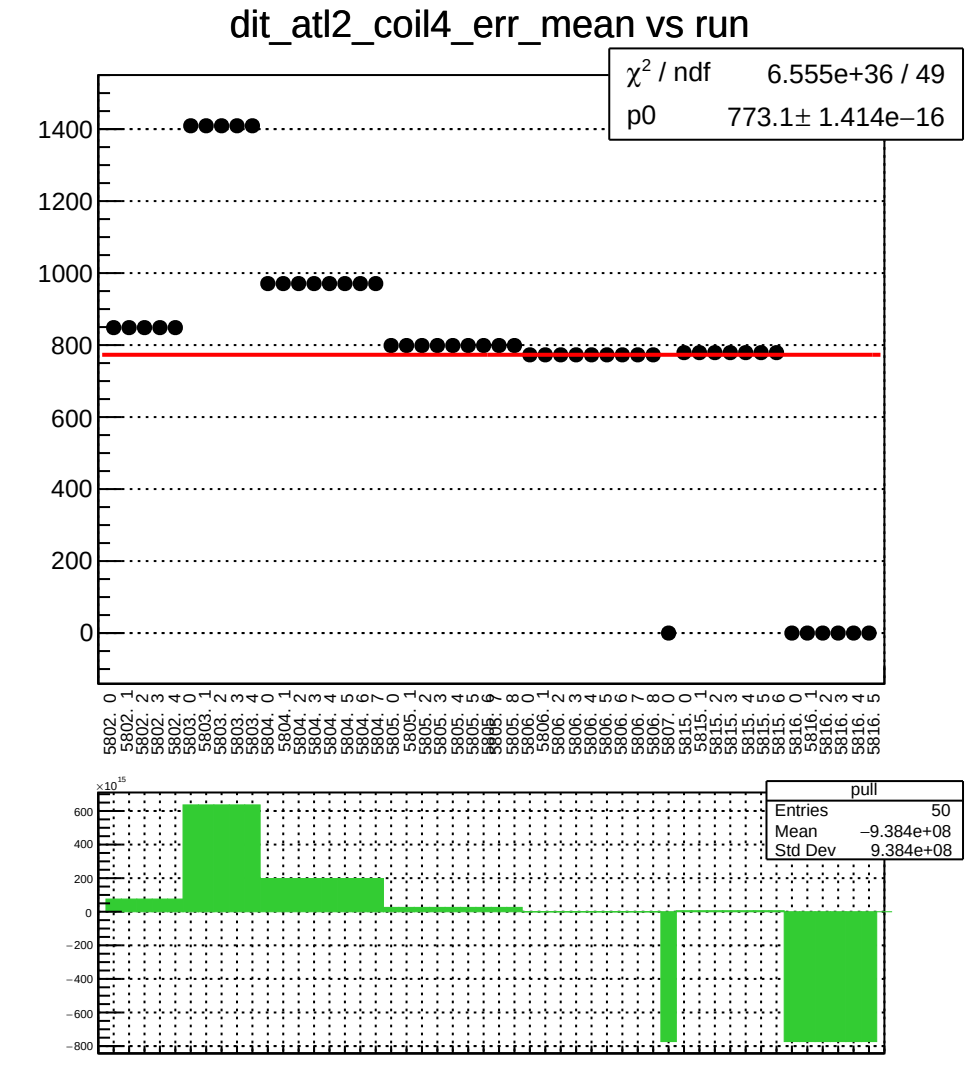
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil4_mean vs run
χ² / ndf inf / 49
p0 2.332e+04 ± 1.414e−16
pull
Entries 50
Mean 1.114e+09
Std Dev 1.114e+09


pull1D
Entries 50
Mean 0
Std Dev 0


dit_atl2_coil4_err_mean vs run
χ² / ndf 6.555e+36 / 49
p0 773.1± 1.414e−16
1400
1200
1000
800
600
400
200
0
5802. 0
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5803. 4
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5805. 7
5805. 8
5806. 0
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5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
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5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 50
Mean −9.384e+08
Std Dev 9.384e+08
pull1D
Entries 50
Mean 0
Std Dev 0
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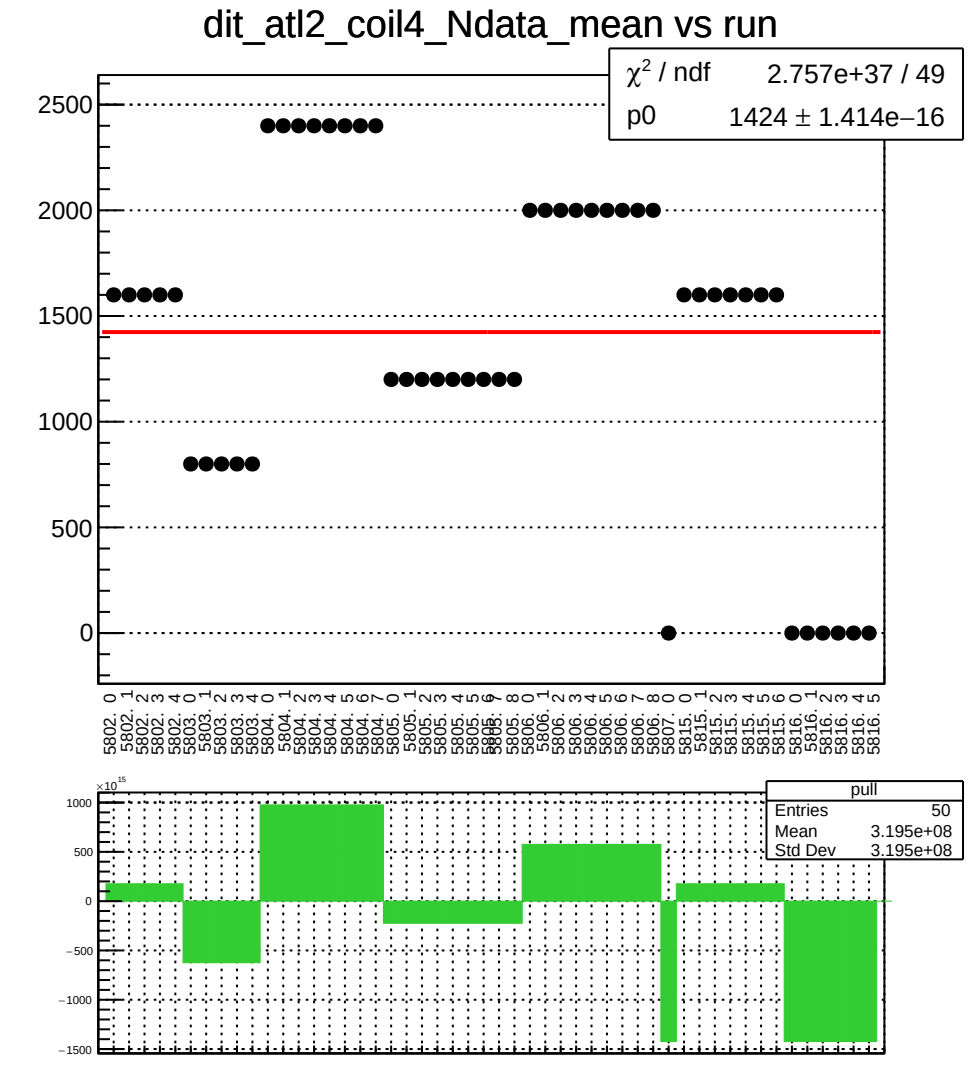
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
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5803. 0
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5804. 0
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5804. 5
5804. 6
5804. 7
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5805. 6
5805. 8
5806. 0
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5806. 6
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5806. 8
5807. 0
5815. 0
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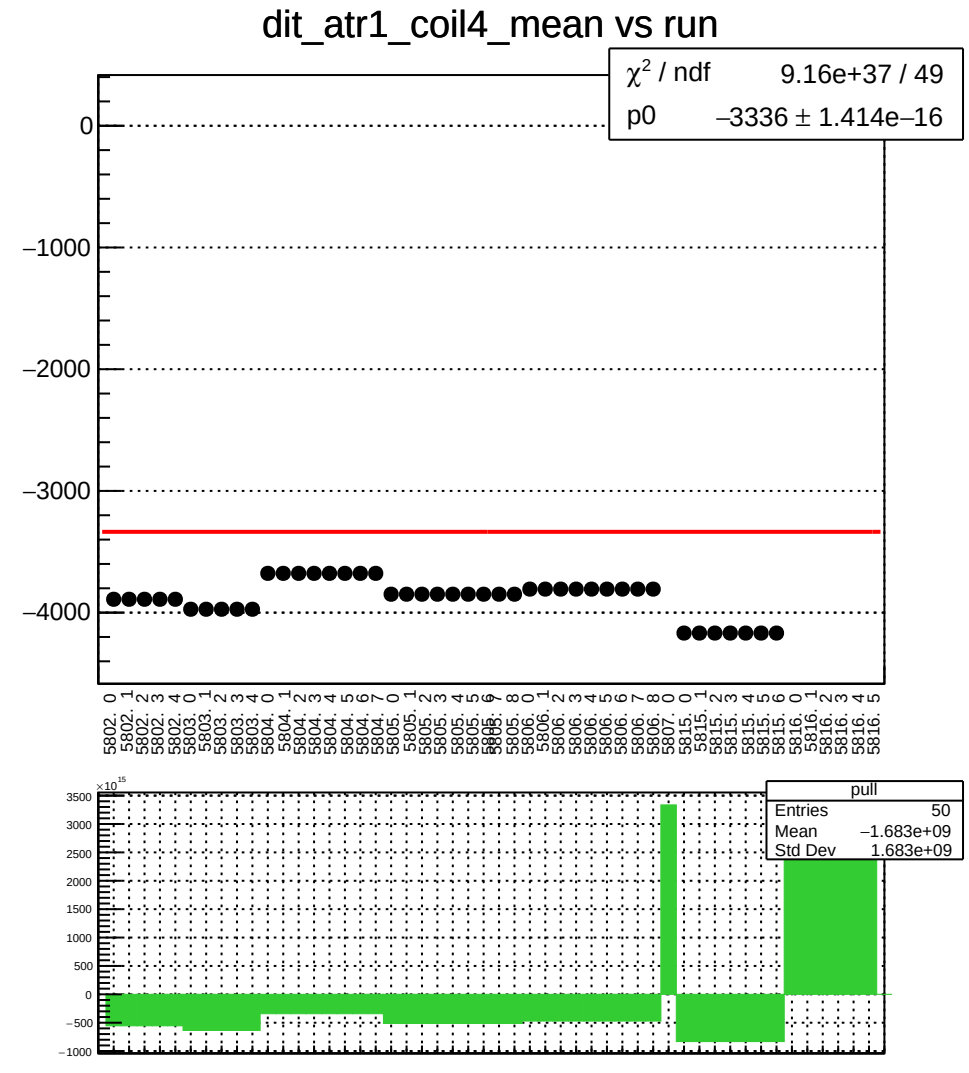
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil4_mean vs run
χ² / ndf 9.16e+37 / 49
p0 −3336 ± 1.414e−16
0
−1000
−2000
−3000
−4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
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5803. 2
5803. 3
5803. 4
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5805. 8
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5806. 3
5806. 4
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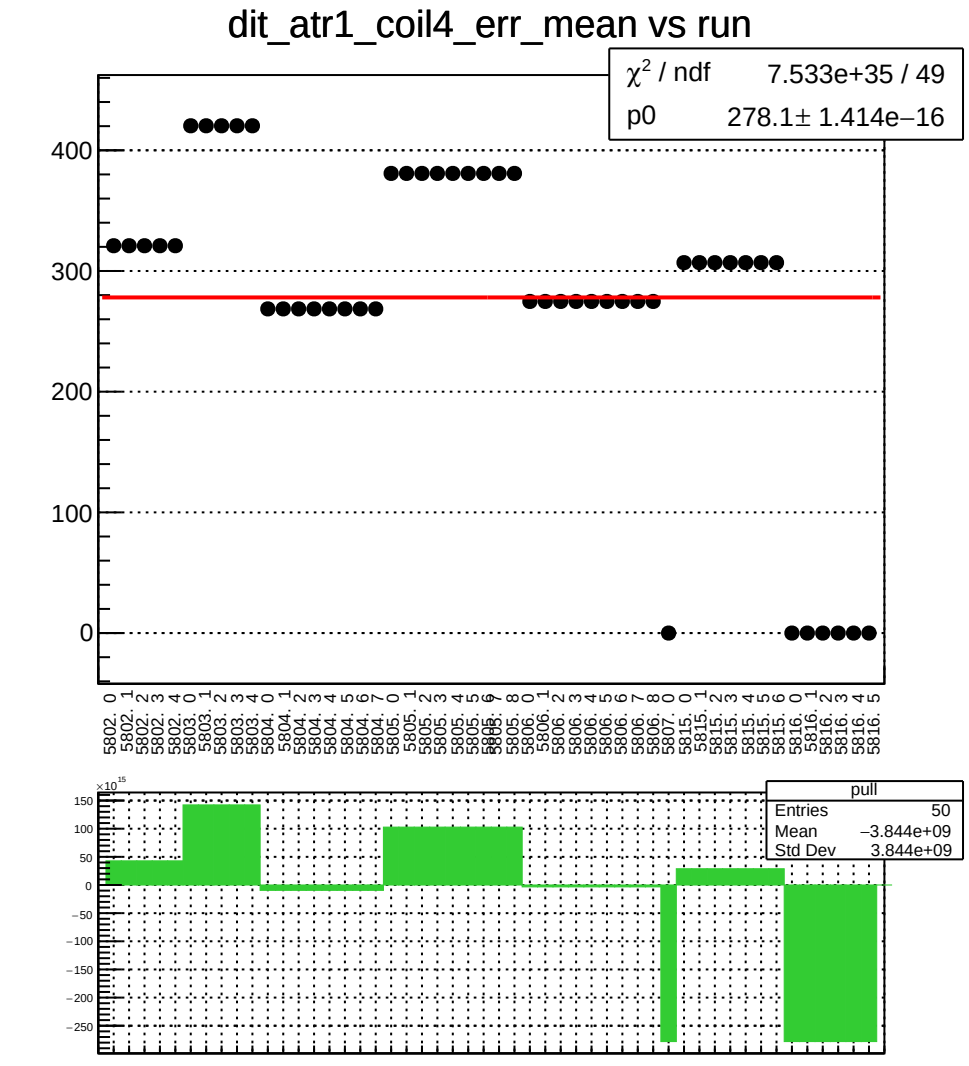
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
3500
3000
2500
2000
1500
1000
500
0
−500
−1000
pull
Entries 50
Mean −1.683e+09
Std Dev 1.683e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil4_err_mean vs run
χ² / ndf 7.533e+35 / 49
p0 278.1± 1.414e−16
400
300
200
100
0
pull
Entries 50
Mean −3.844e+09
Std Dev 3.844e+09
×10¹⁵
150
100
50
0
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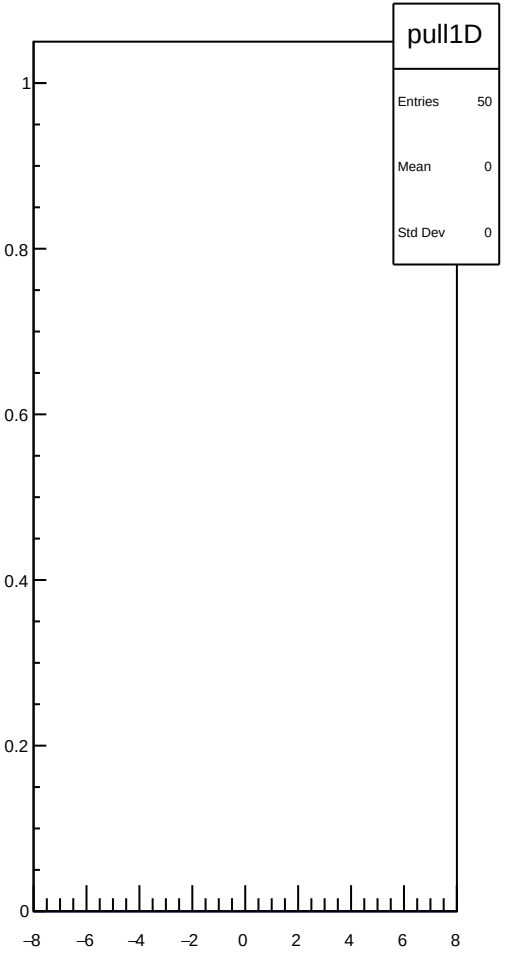
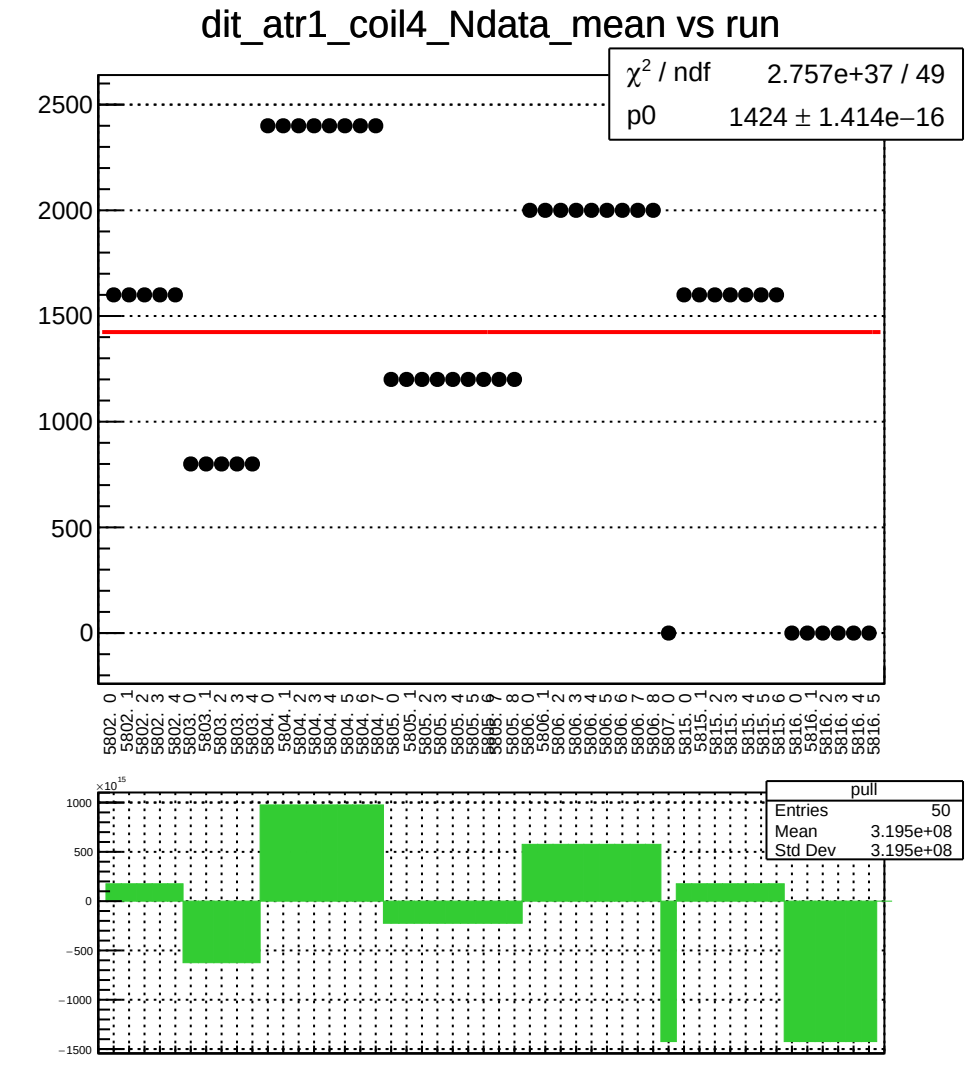
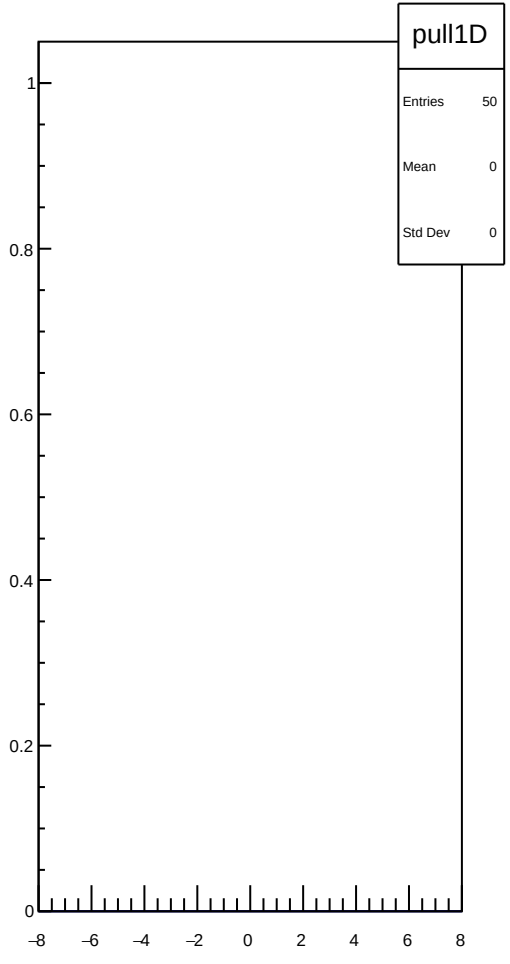
−150
−200
−250


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
×10¹⁵
1000
500
0
−500
−1000
−1500


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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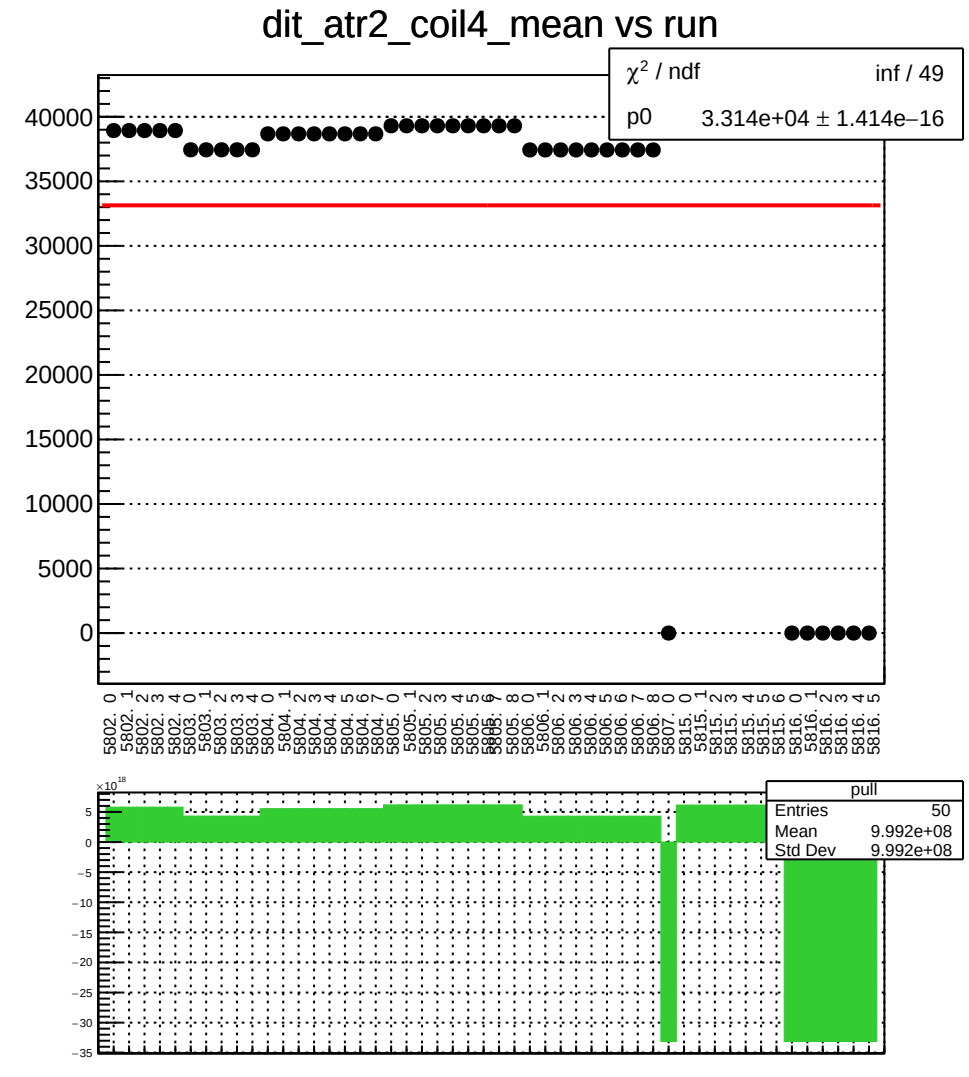
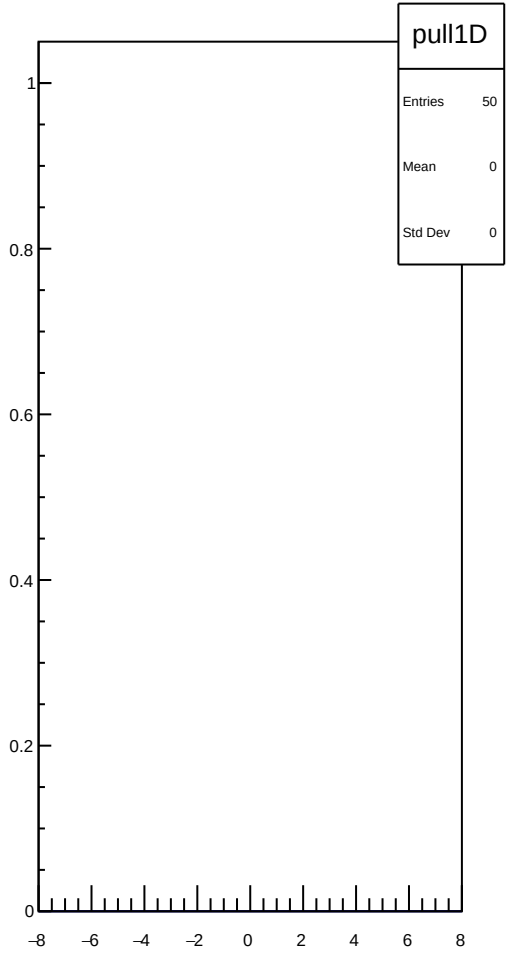
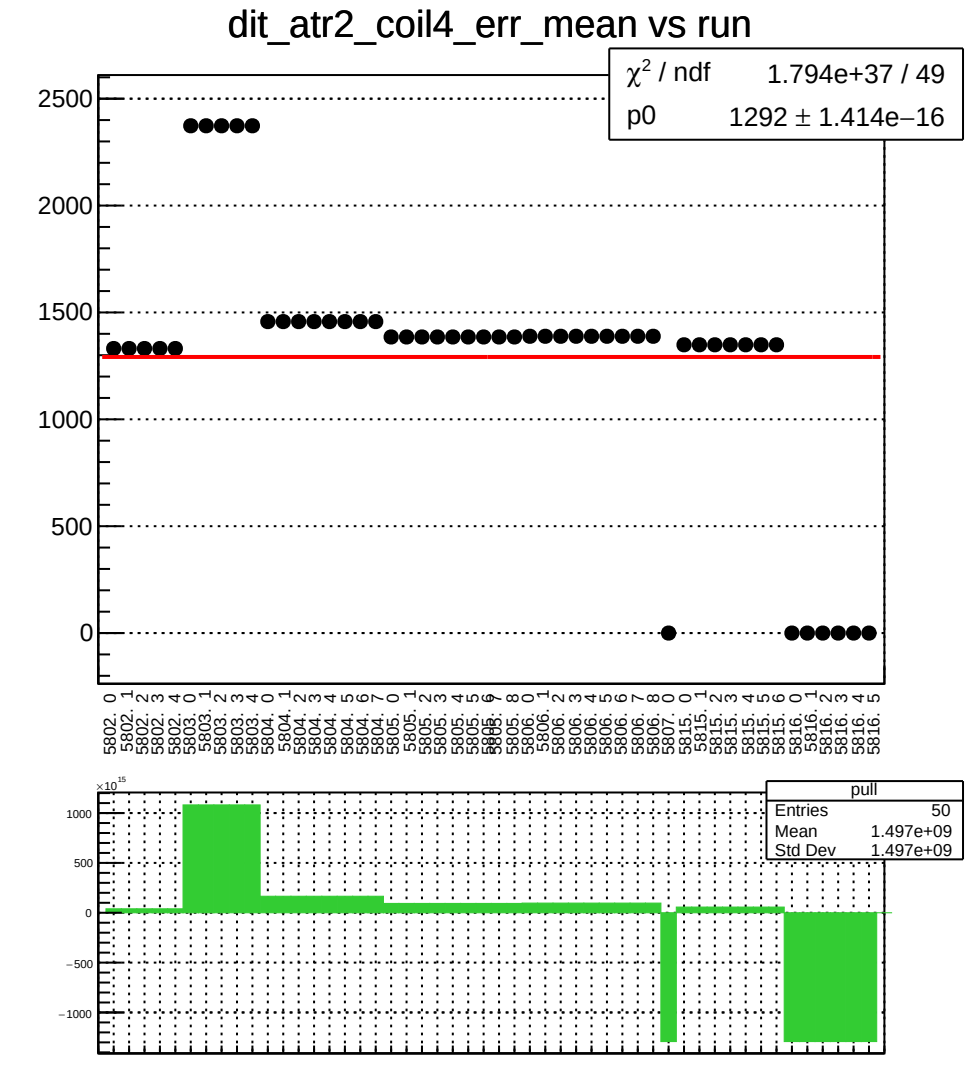
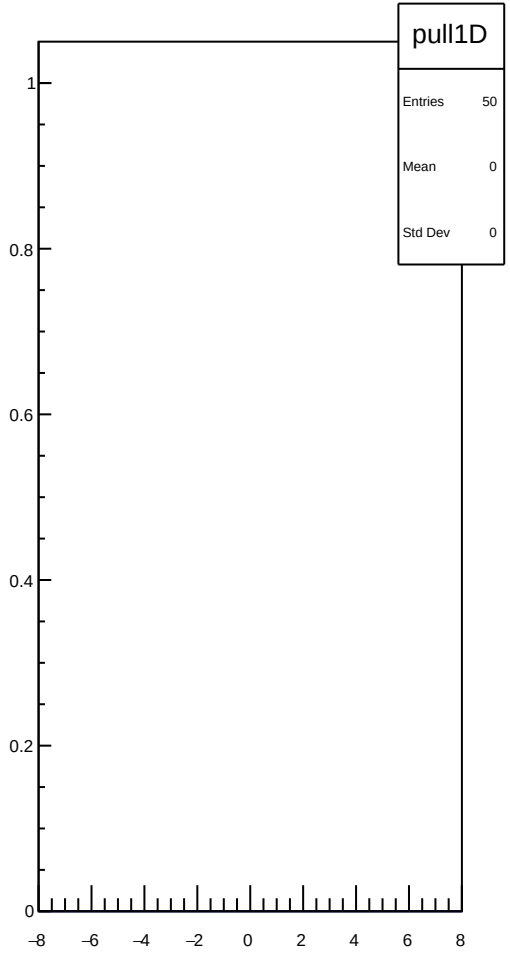
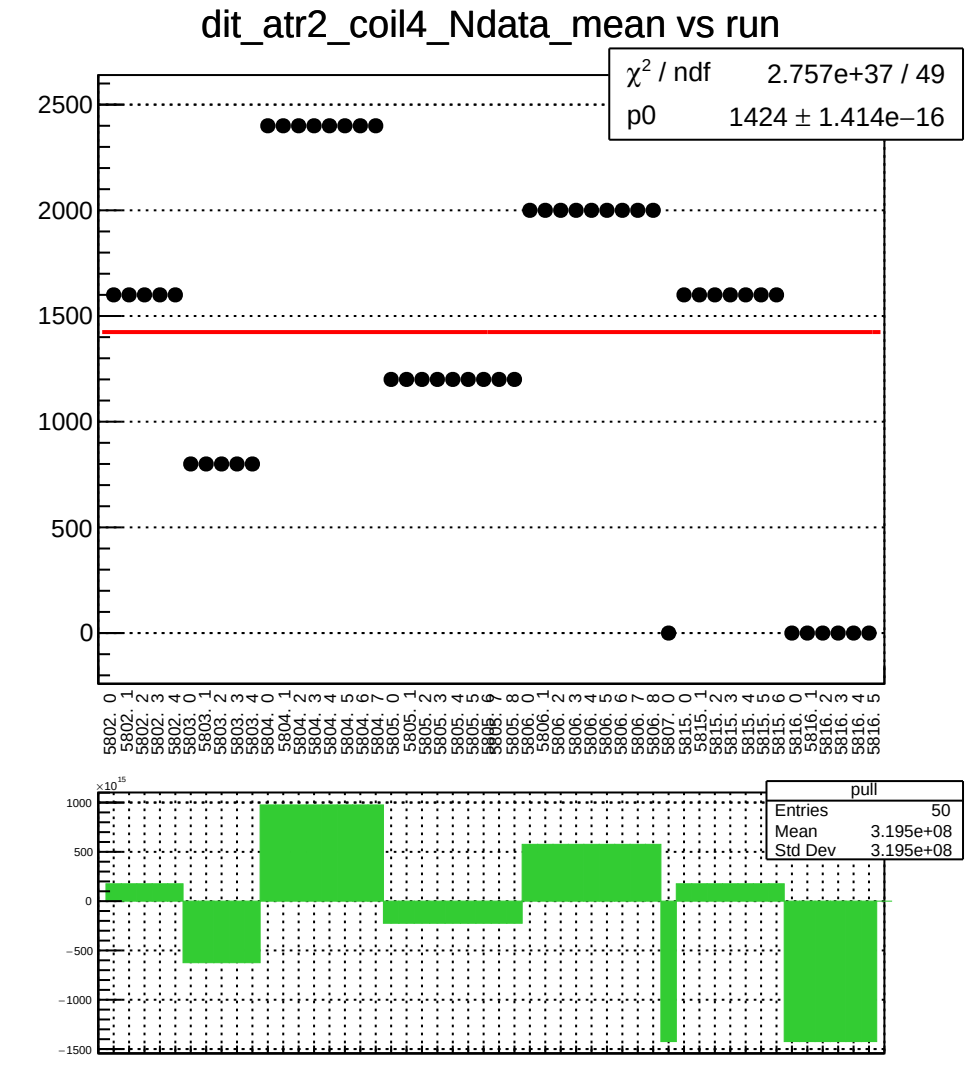
2
4
6
8

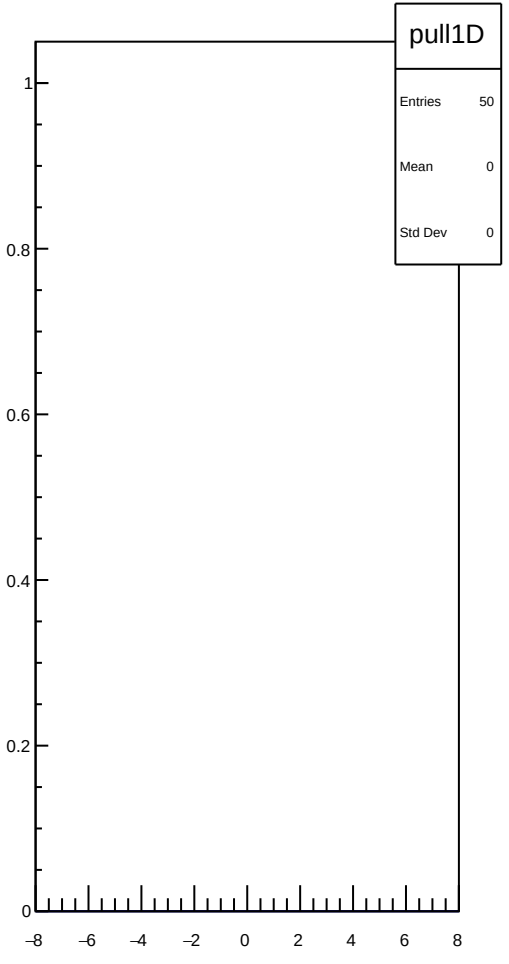

dit_atr2_coil4_mean vs run
χ² / ndf inf / 49
p0 3.314e+04 ± 1.414e−16
pull
Entries 50
Mean 9.992e+08
Std Dev 9.992e+08

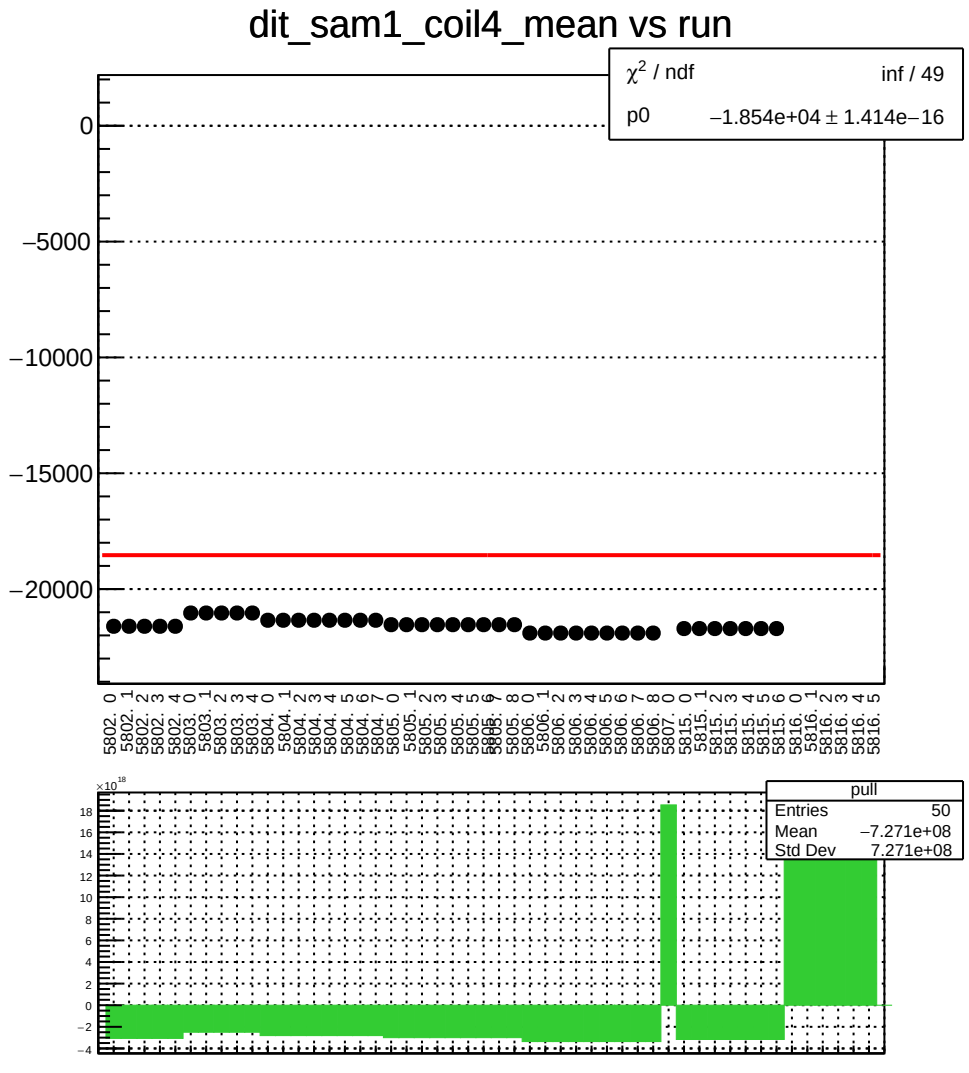

pull1D
Entries 50
Mean 0
Std Dev 0

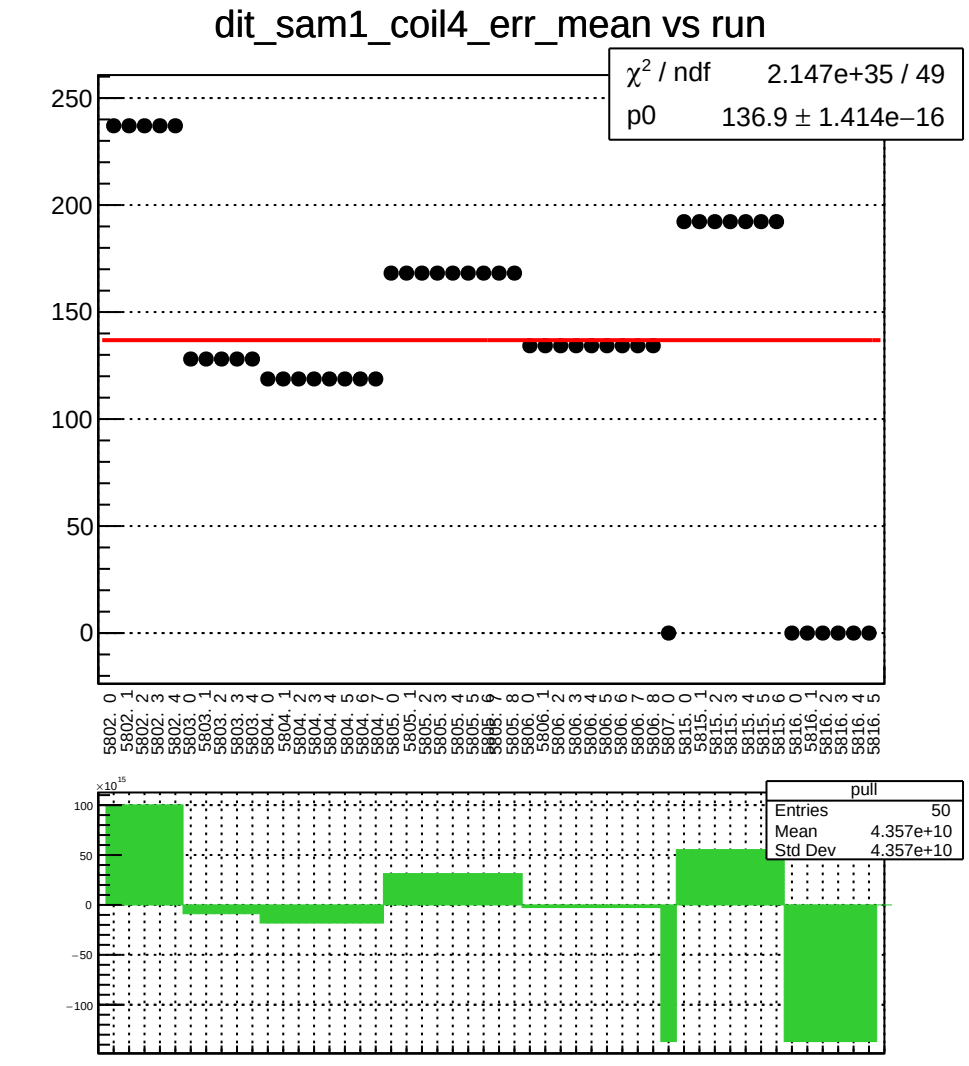

dit_atr2_coil4_err_mean vs run
χ² / ndf 1.794e+37 / 49
p0 1292 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 1.497e+09
Std Dev 1.497e+09
×10¹⁵
1000
500
0
−500
−1000


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
×10¹⁵
1000
500
0
−500
−1000
−1500


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_coil4_mean vs run
χ² / ndf inf / 49
p0 −1.854e+04 ± 1.414e−16
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −7.271e+08
Std Dev 7.271e+08
pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam1_coil4_err_mean vs run
χ² / ndf 2.147e+35 / 49
p0 136.9 ± 1.414e−16
250
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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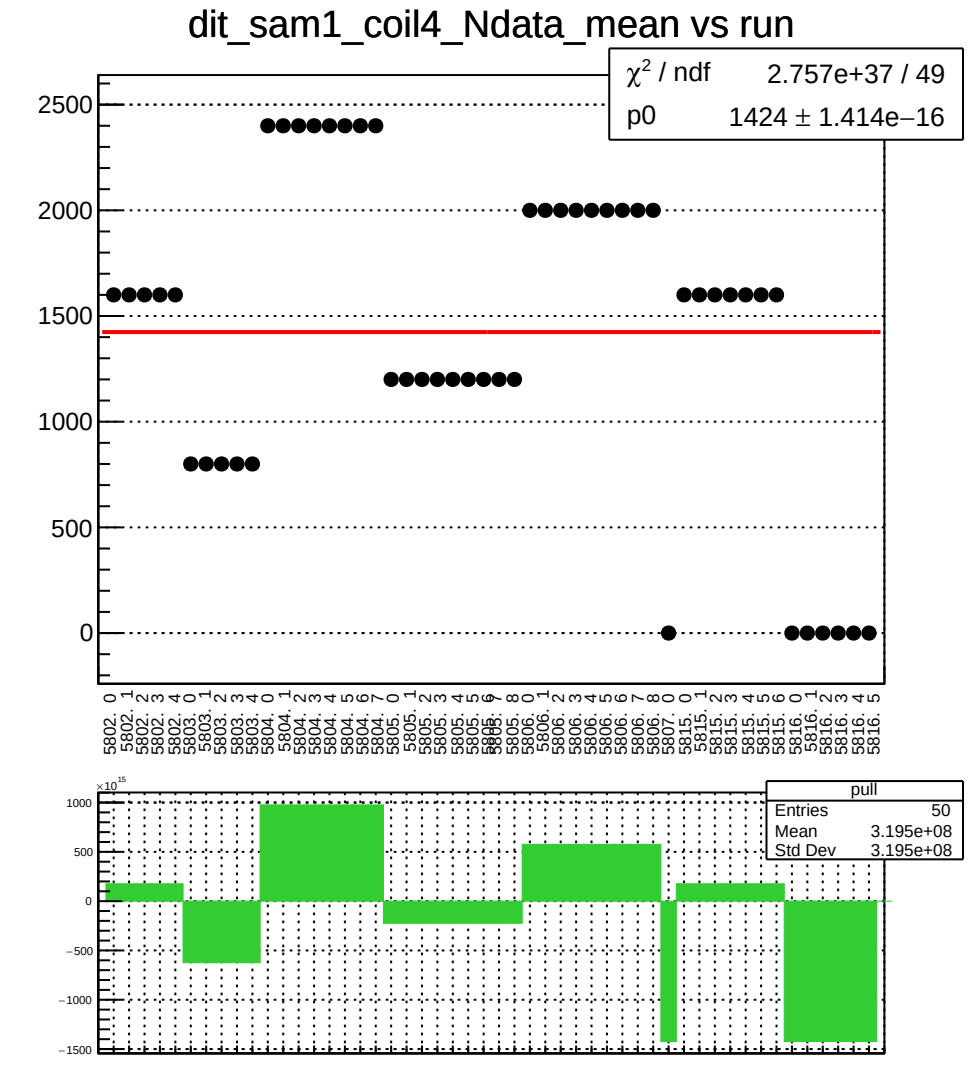
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
100
50
0
−50
−100
pull
Entries 50
Mean 4.357e+10
Std Dev 4.357e+10
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
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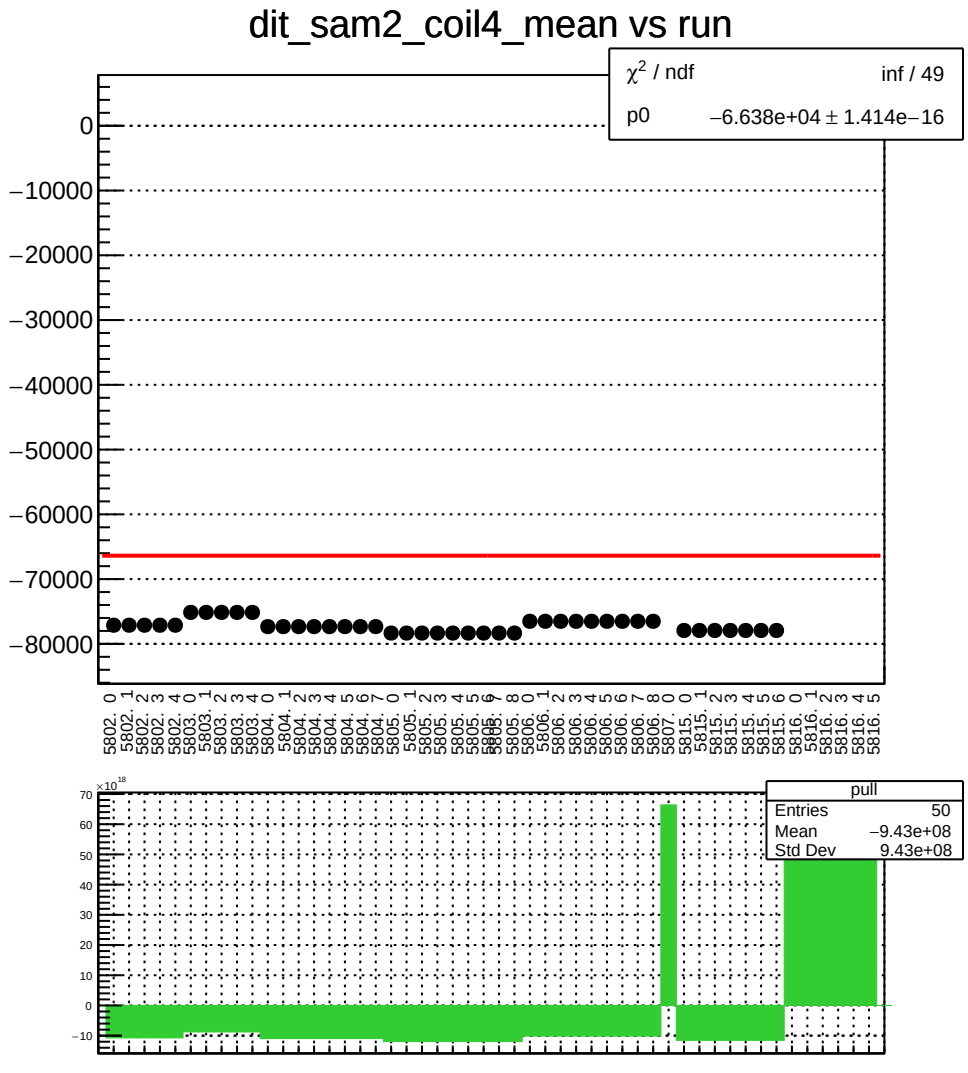
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_coil4_mean vs run
χ² / ndf inf / 49
p0 −6.638e+04 ± 1.414e−16
0
−10000
−20000
−30000
−40000
−50000
−60000
−70000
−80000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
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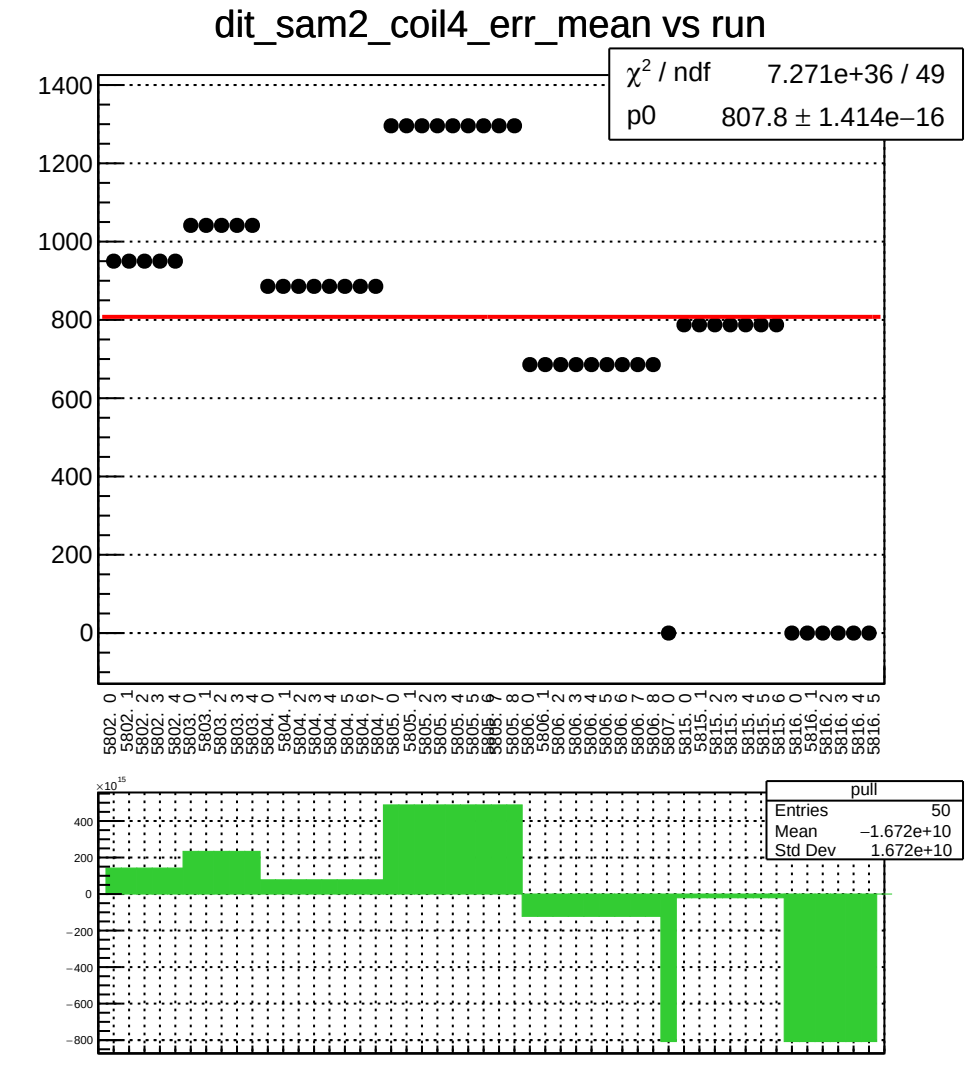
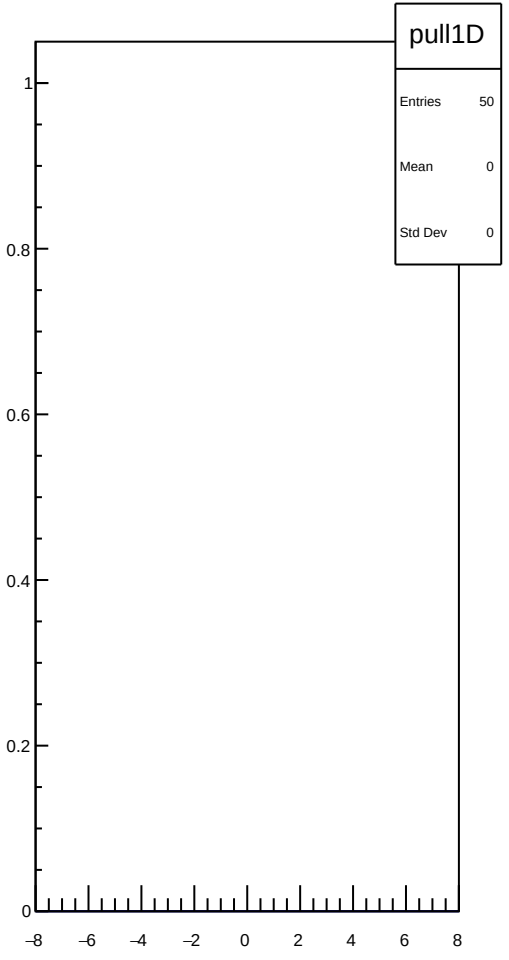
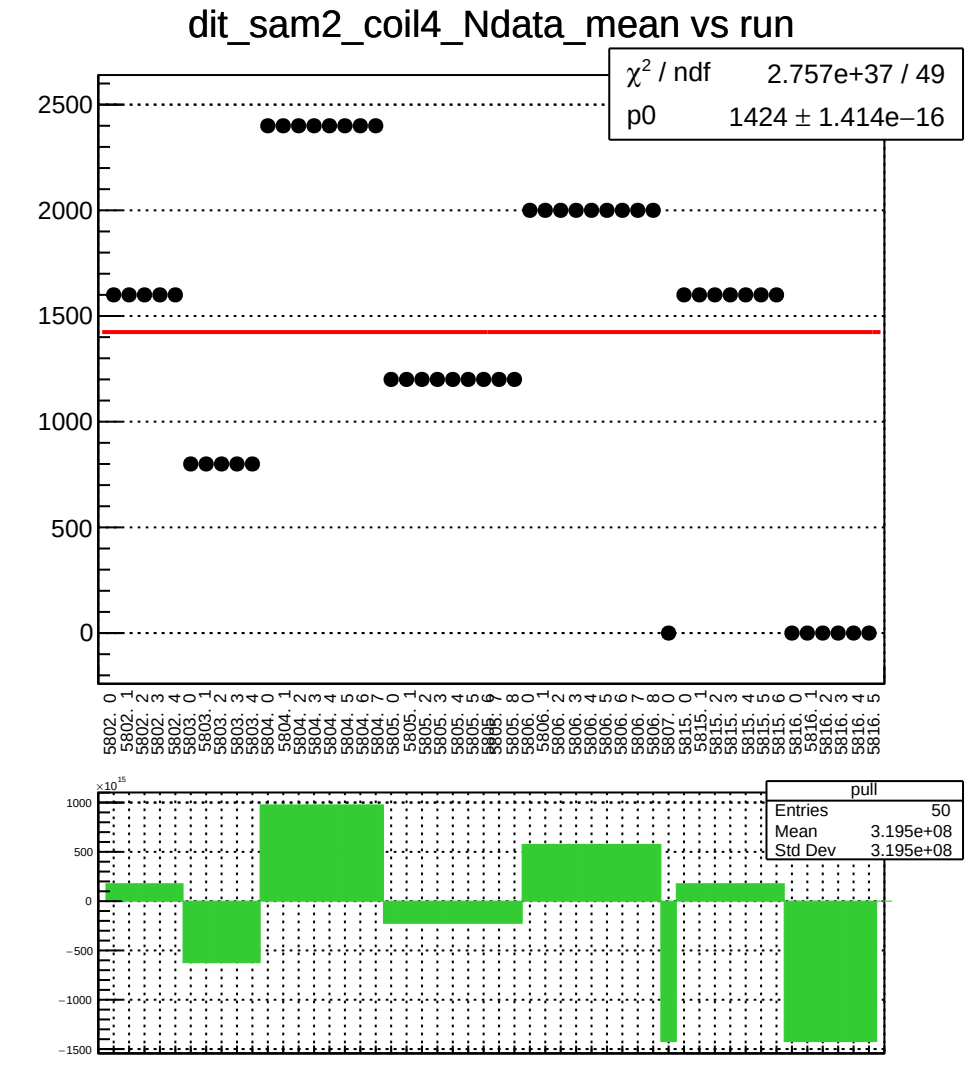
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁸
70
60
50
40
30
20
10
0
−10
pull
Entries 50
Mean −9.43e+08
Std Dev 9.43e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_coil4_err_mean vs run
χ² / ndf 7.271e+36 / 49
p0 807.8 ± 1.414e−16
pull
Entries 50
Mean −1.672e+10
Std Dev 1.672e+10


pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
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5805. 0
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5805. 2
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5805. 4
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5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
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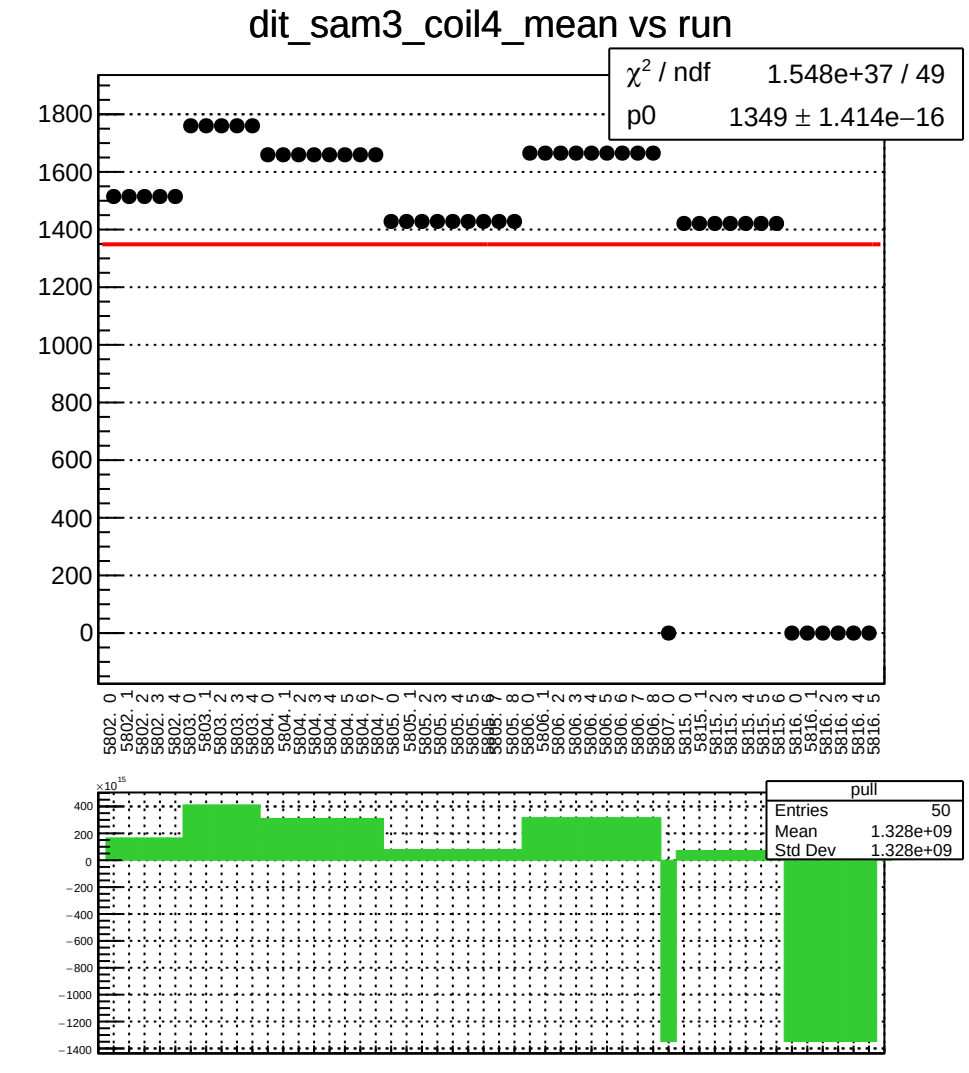
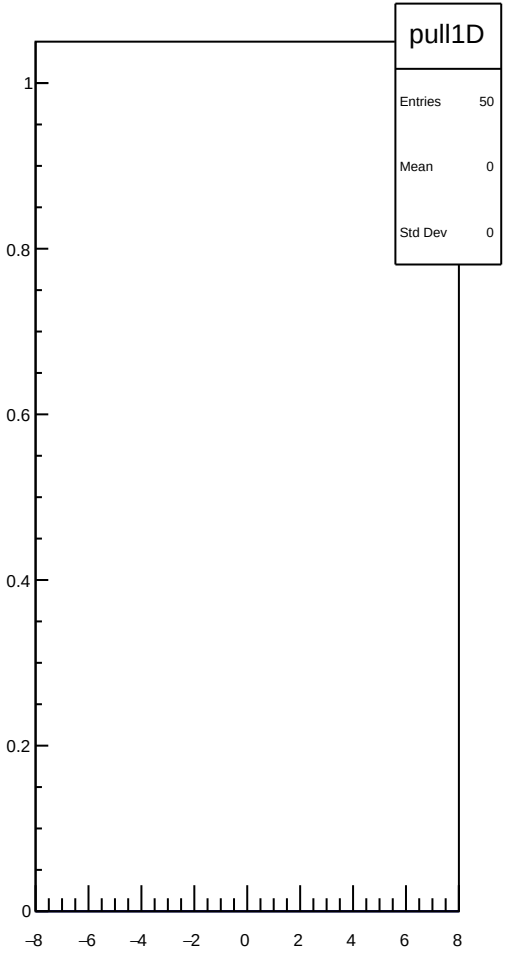
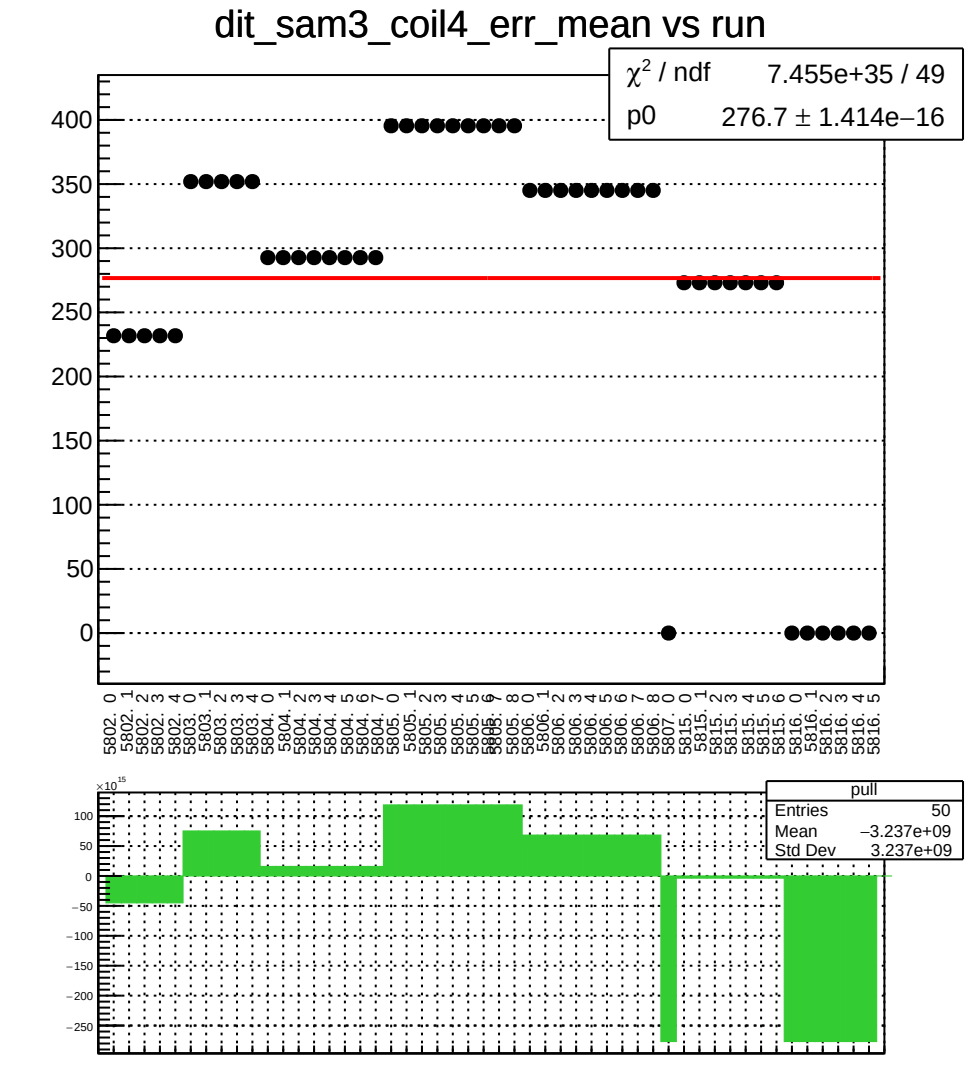
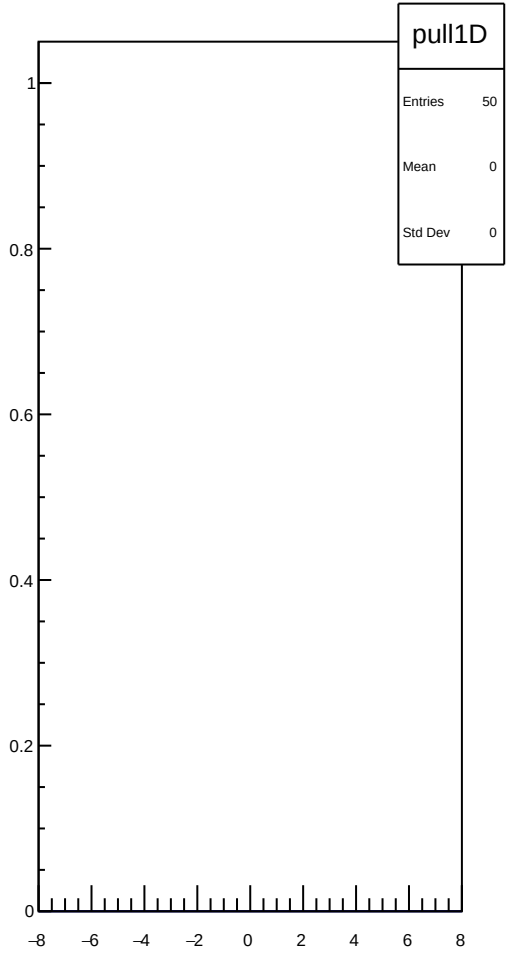
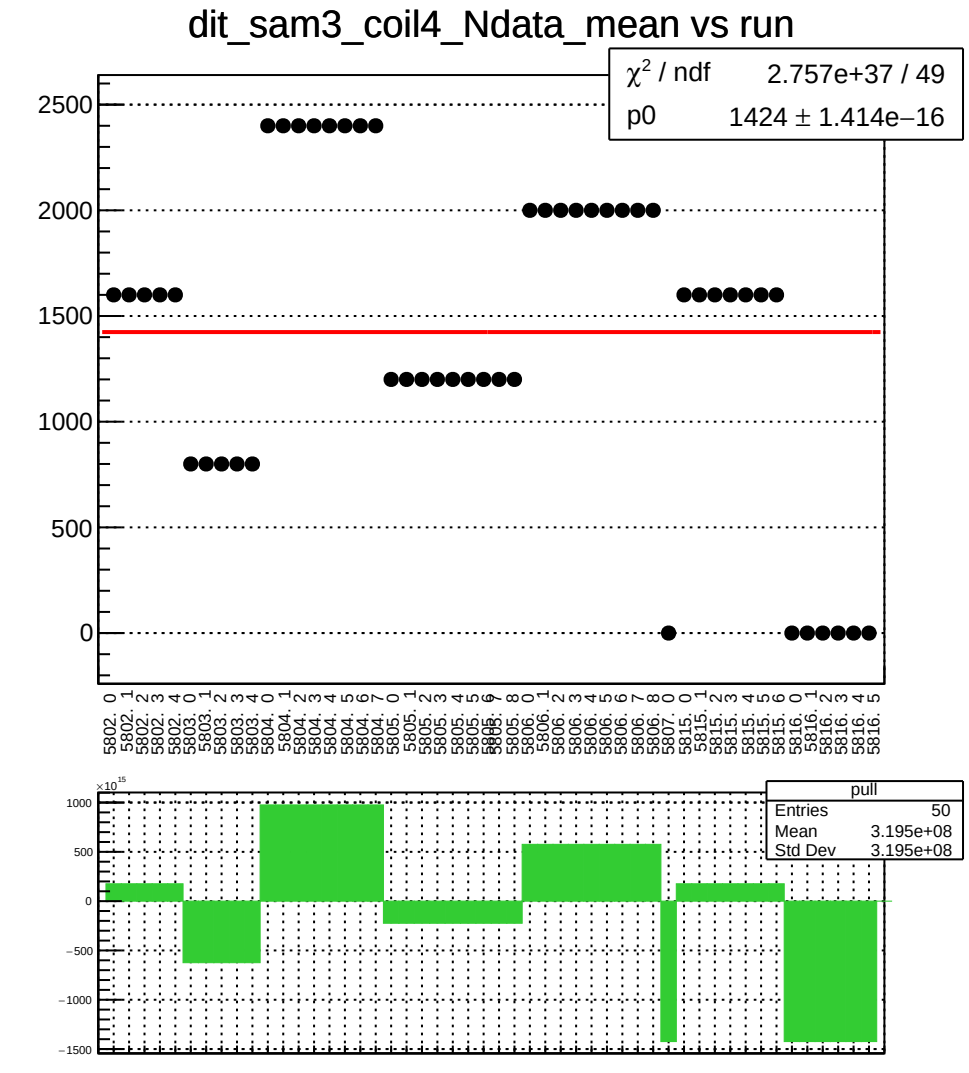
−4
−2
0
2
4
6
8


dit_sam3_coil4_mean vs run
χ² / ndf 1.548e+37 / 49
p0 1349 ± 1.414e−16
pull
Entries 50
Mean 1.328e+09
Std Dev 1.328e+09


pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam3_coil4_err_mean vs run
χ² / ndf 7.455e+35 / 49
p0 276.7 ± 1.414e−16
pull
Entries 50
Mean −3.237e+09
Std Dev 3.237e+09


pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
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5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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5805. 2
5805. 3
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5806. 0
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5806. 2
5806. 3
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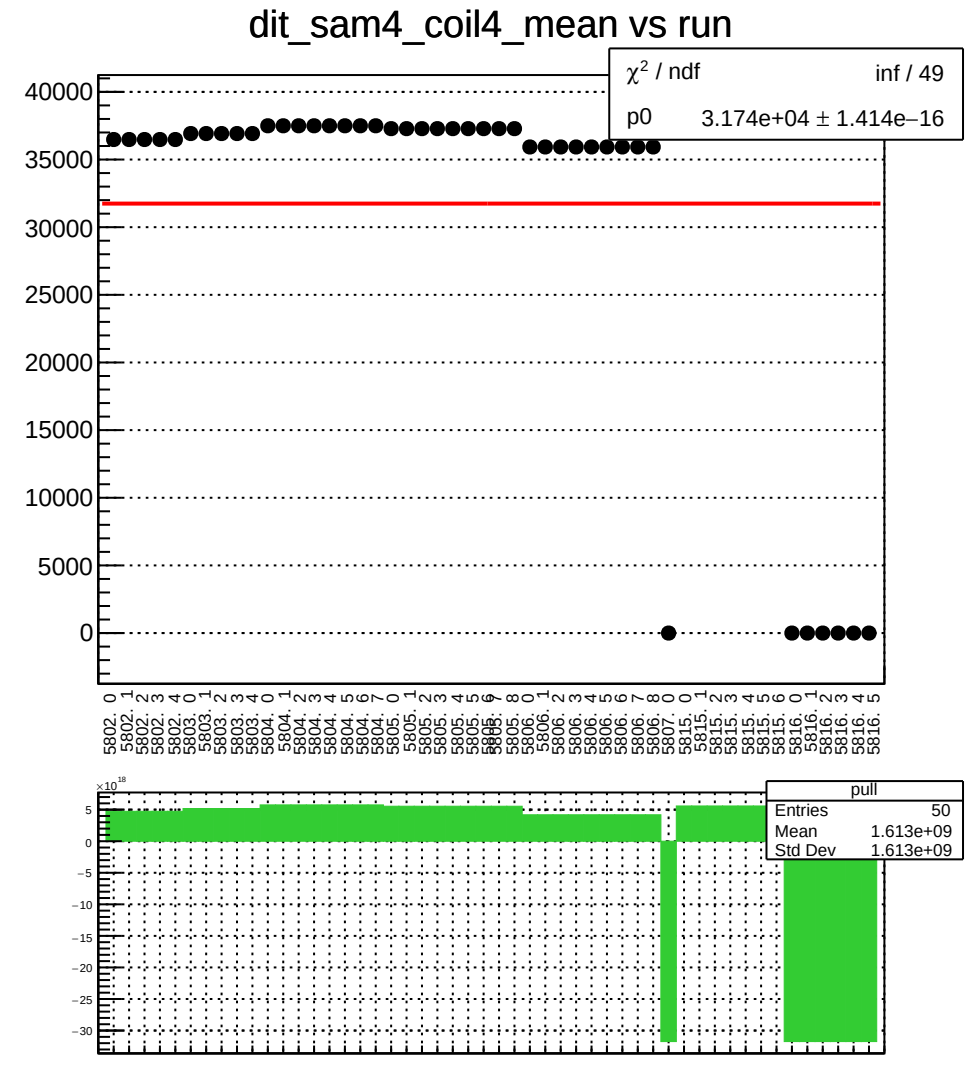
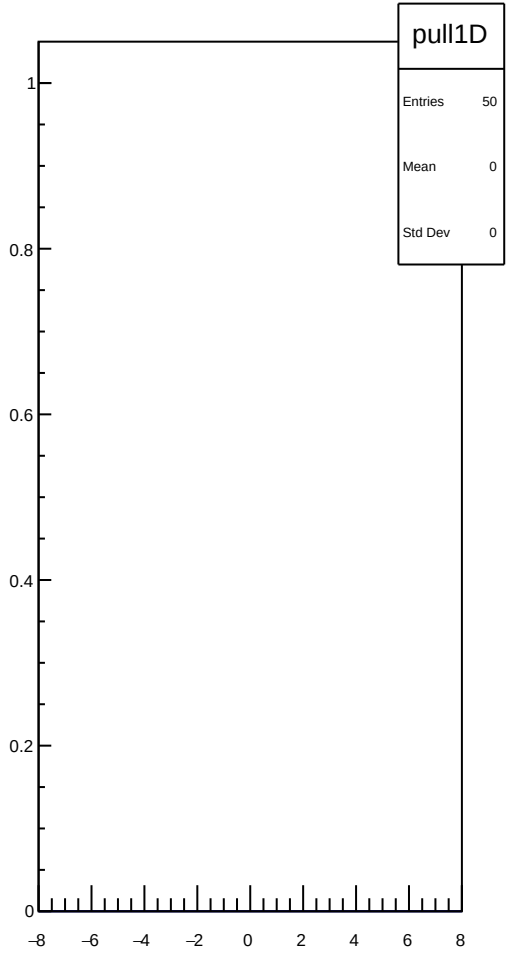
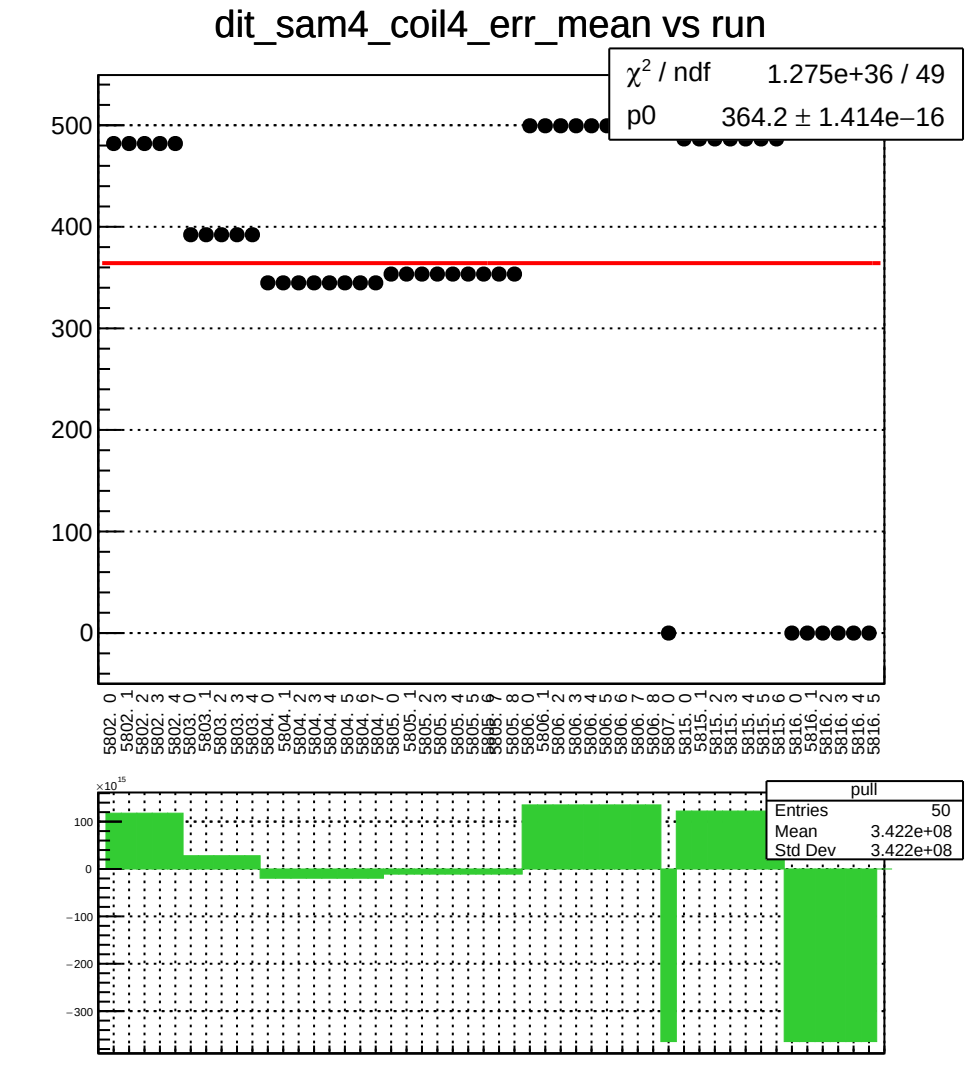
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam4_coil4_mean vs run
χ² / ndf inf / 49
p0 3.174e+04 ± 1.414e−16
40000
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 50
Mean 1.613e+09
Std Dev 1.613e+09


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam4_coil4_err_mean vs run
χ² / ndf 1.275e+36 / 49
p0 364.2 ± 1.414e−16
500
400
300
200
100
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
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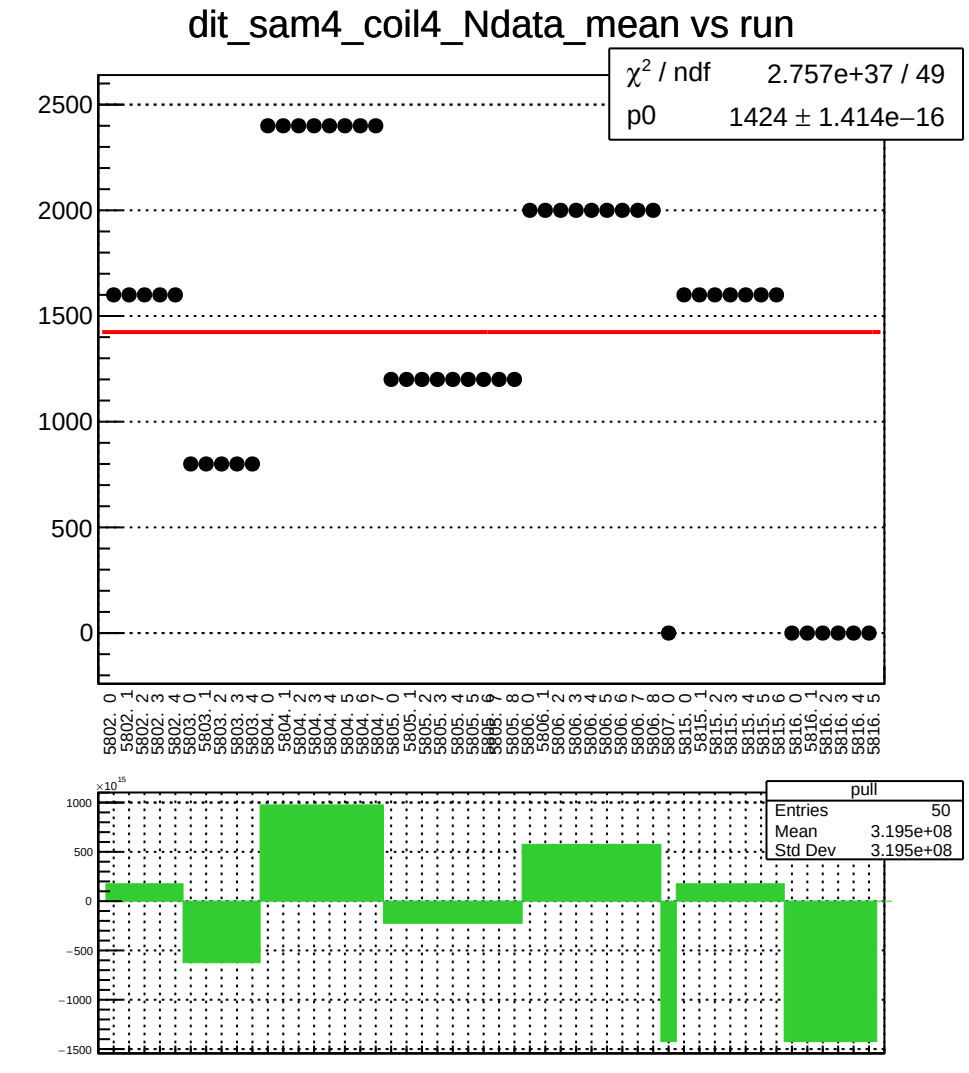
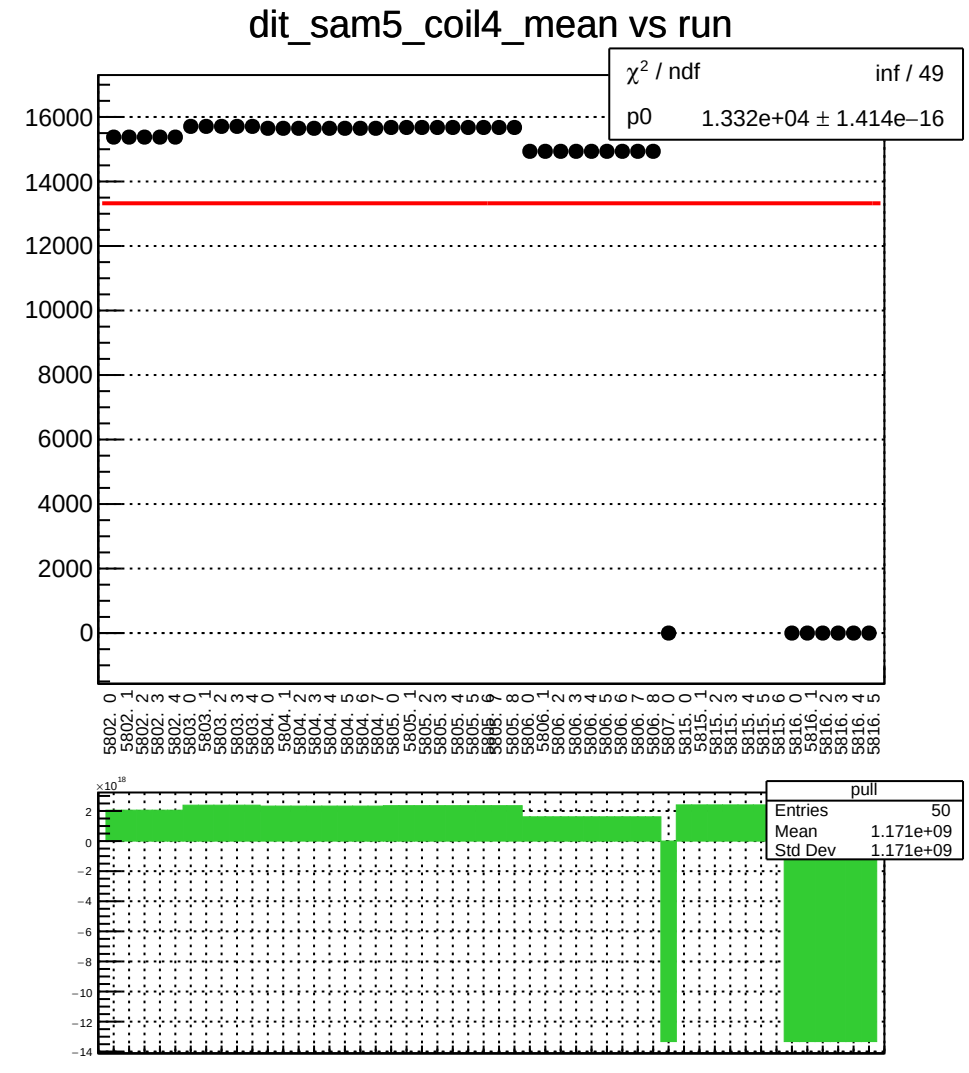
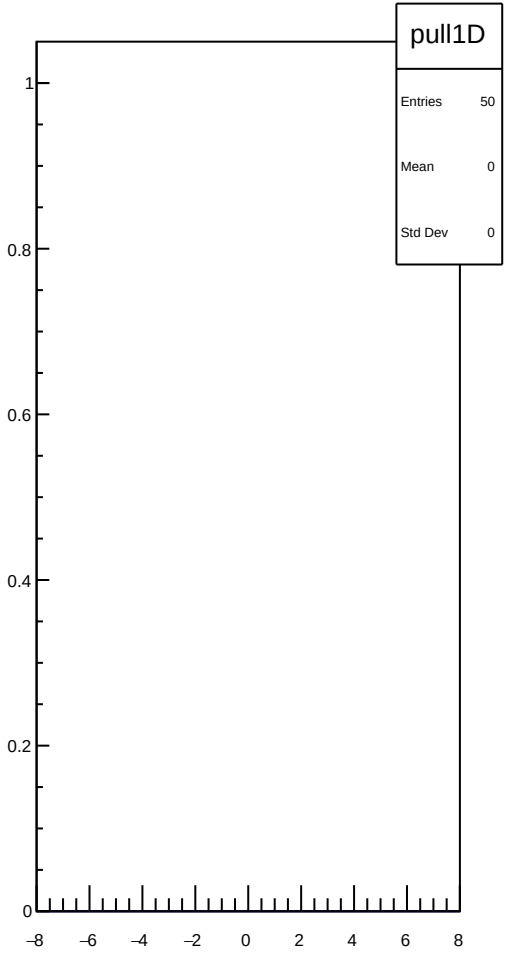
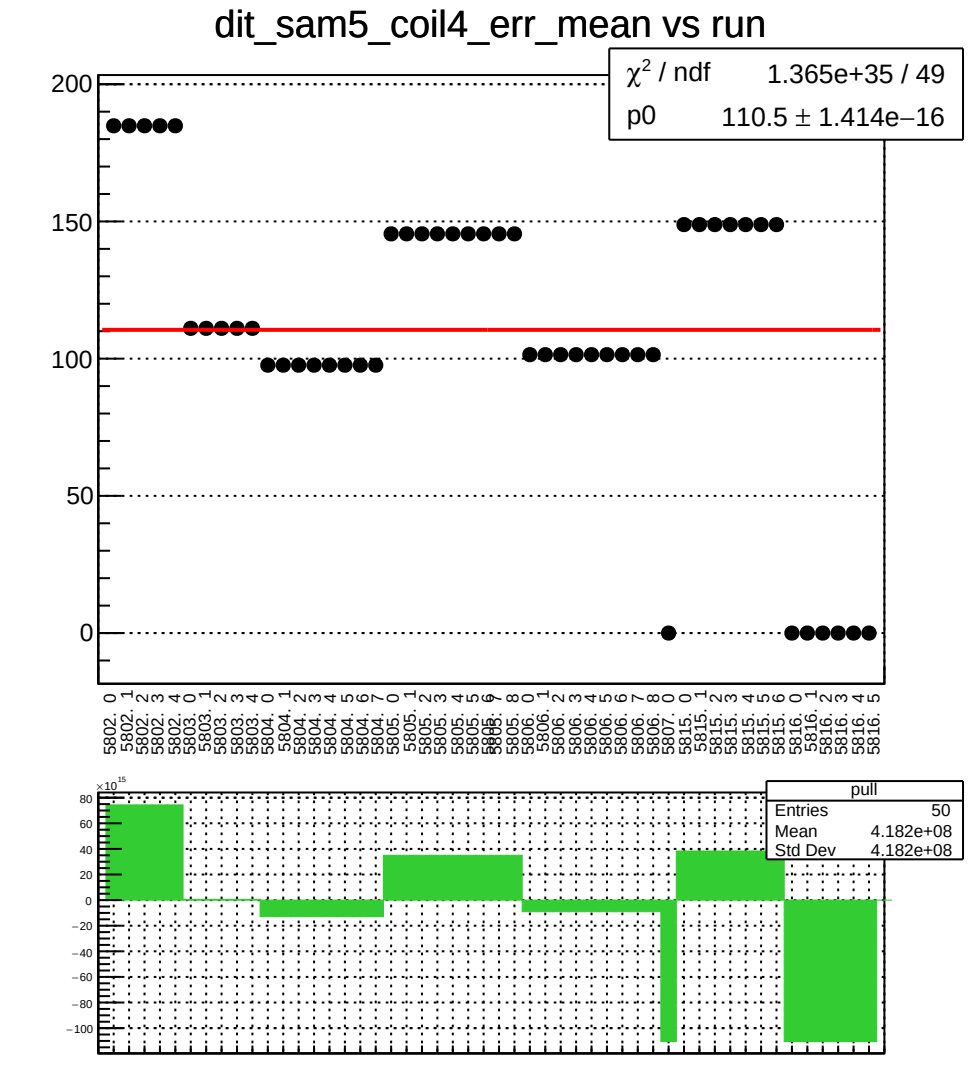
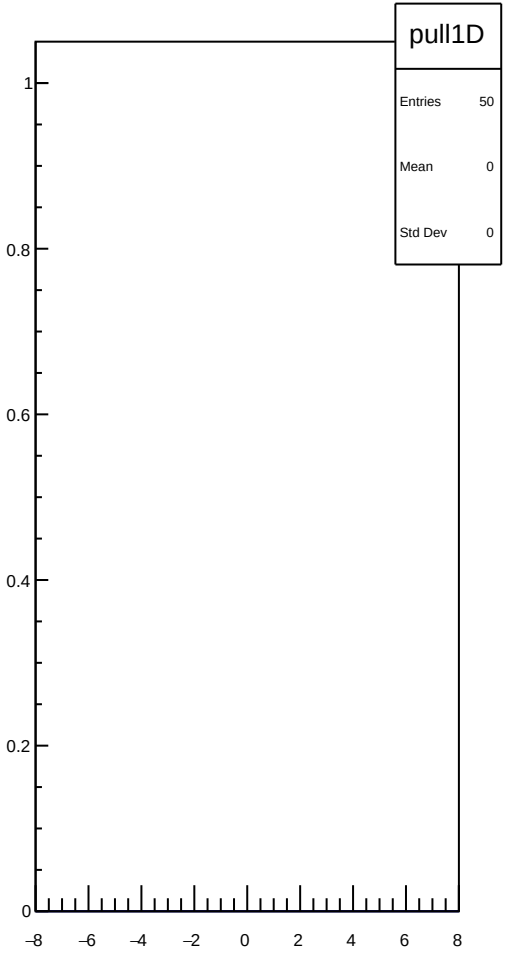
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
100
0
−100
−200
−300
pull
Entries 50
Mean 3.422e+08
Std Dev 3.422e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

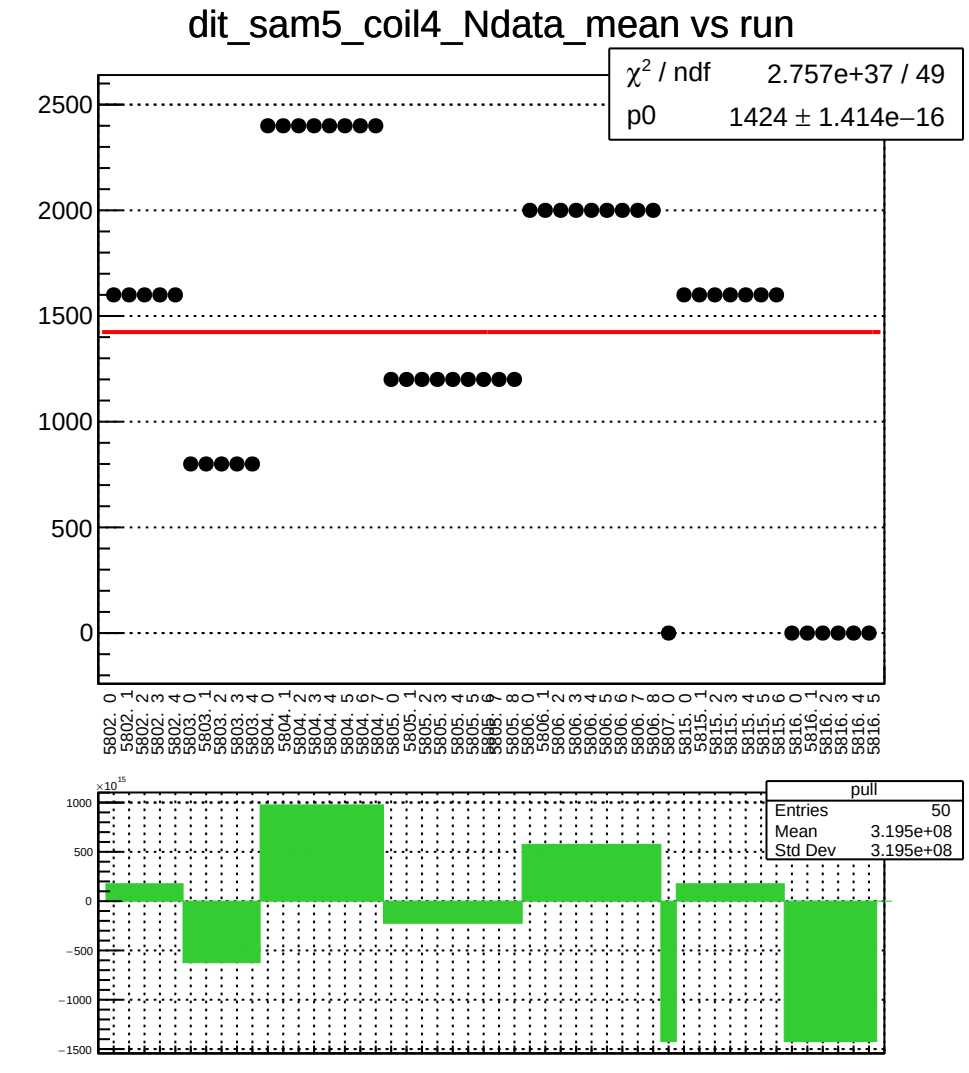

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

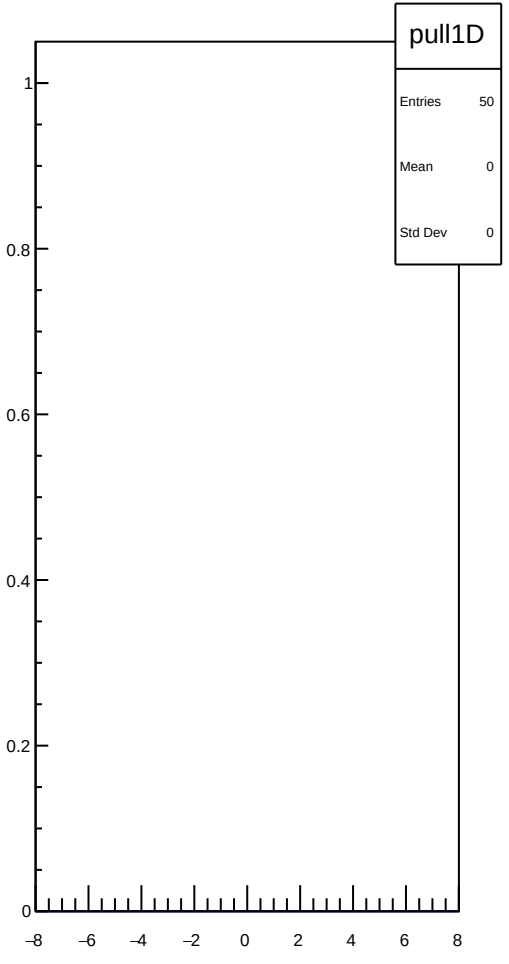

dit_sam5_coil4_mean vs run
χ² / ndf inf / 49
p0 1.332e+04 ± 1.414e−16
pull
Entries 50
Mean 1.171e+09
Std Dev 1.171e+09


pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam5_coil4_err_mean vs run
χ² / ndf 1.365e+35 / 49
p0 110.5 ± 1.414e−16
200
150
100
50
0
pull
Entries 50
Mean 4.182e+08
Std Dev 4.182e+08
×10¹⁵
80
60
40
20
0
−20
−40
−60
−80
−100


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
×10¹⁵
1000
500
0
−500
−1000
−1500


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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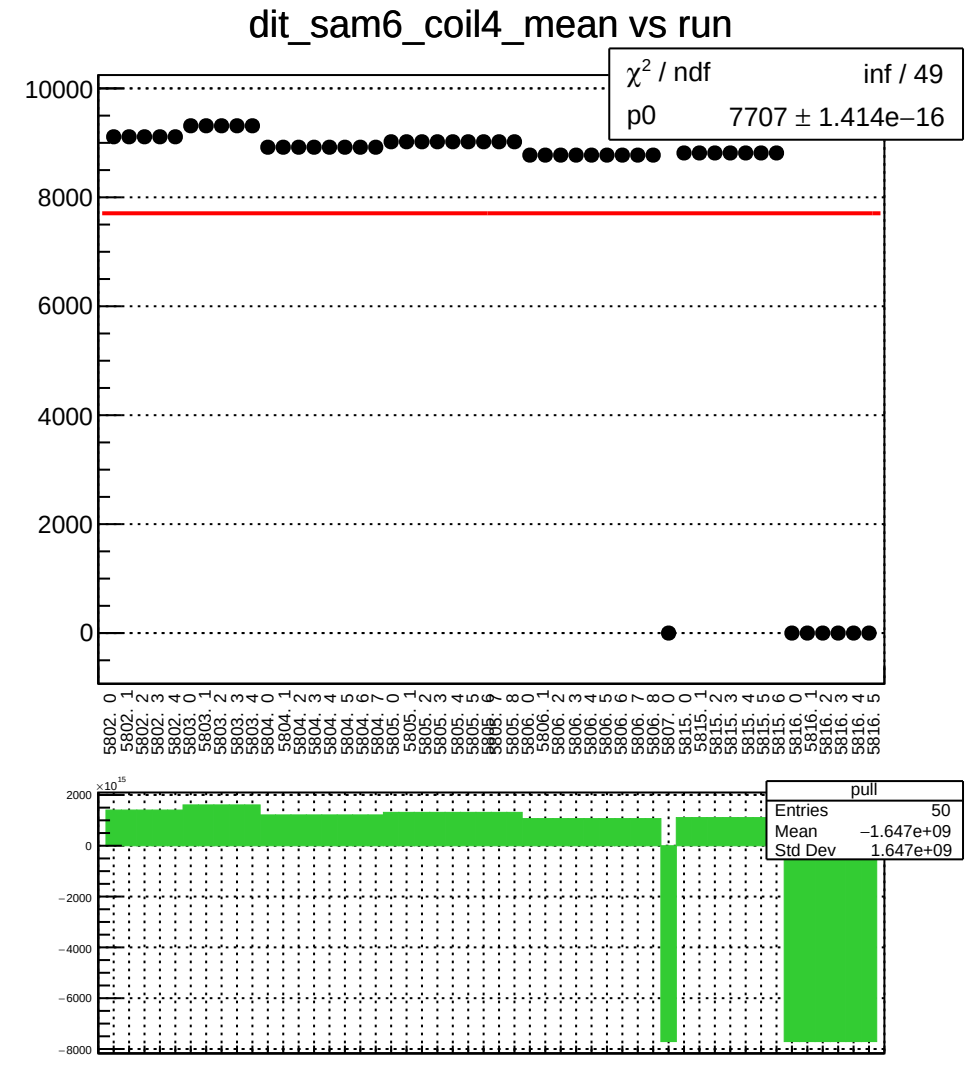
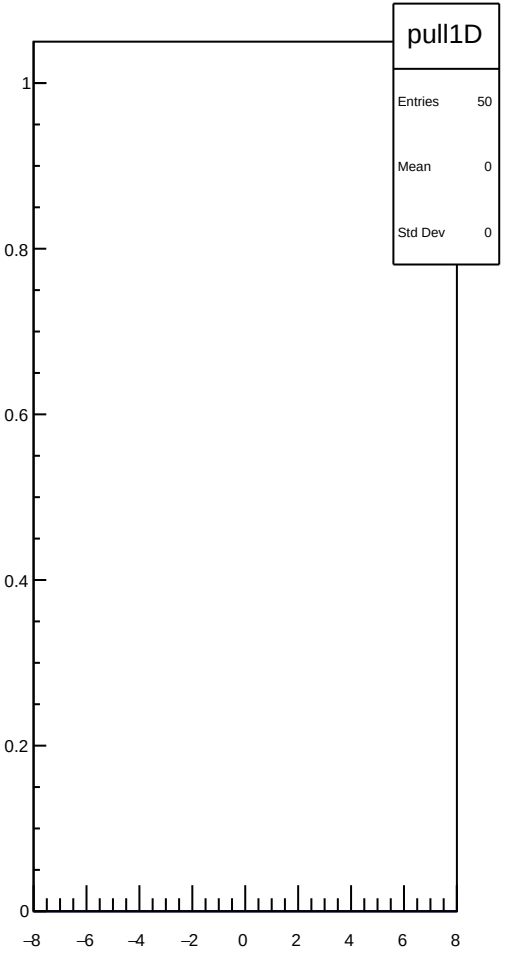
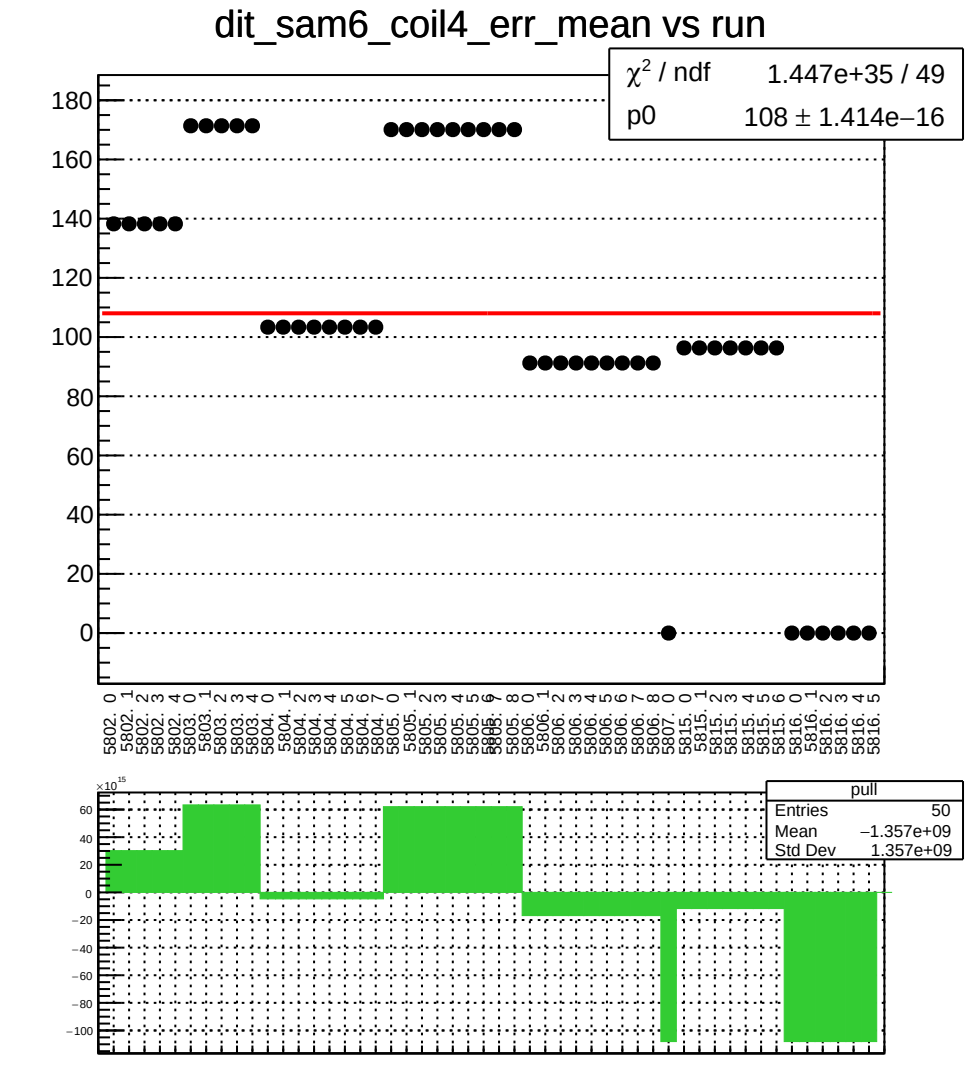
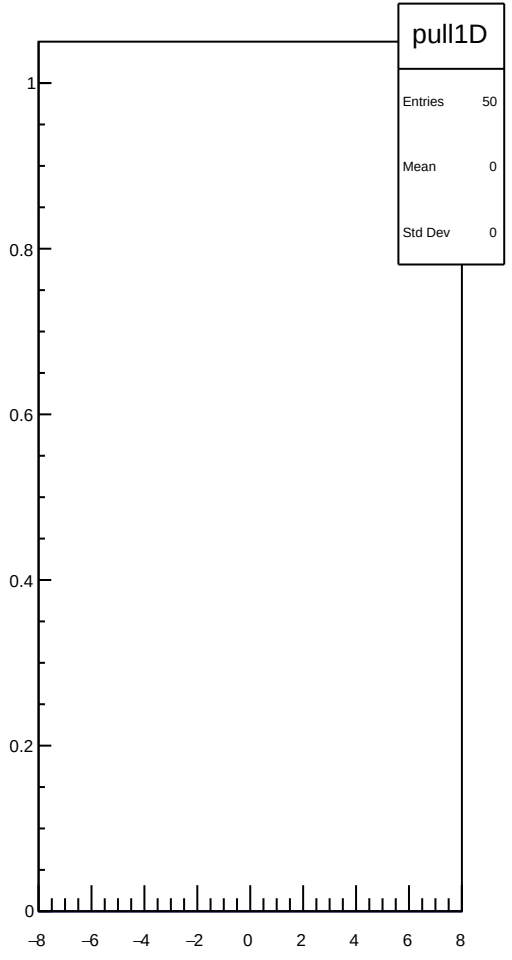
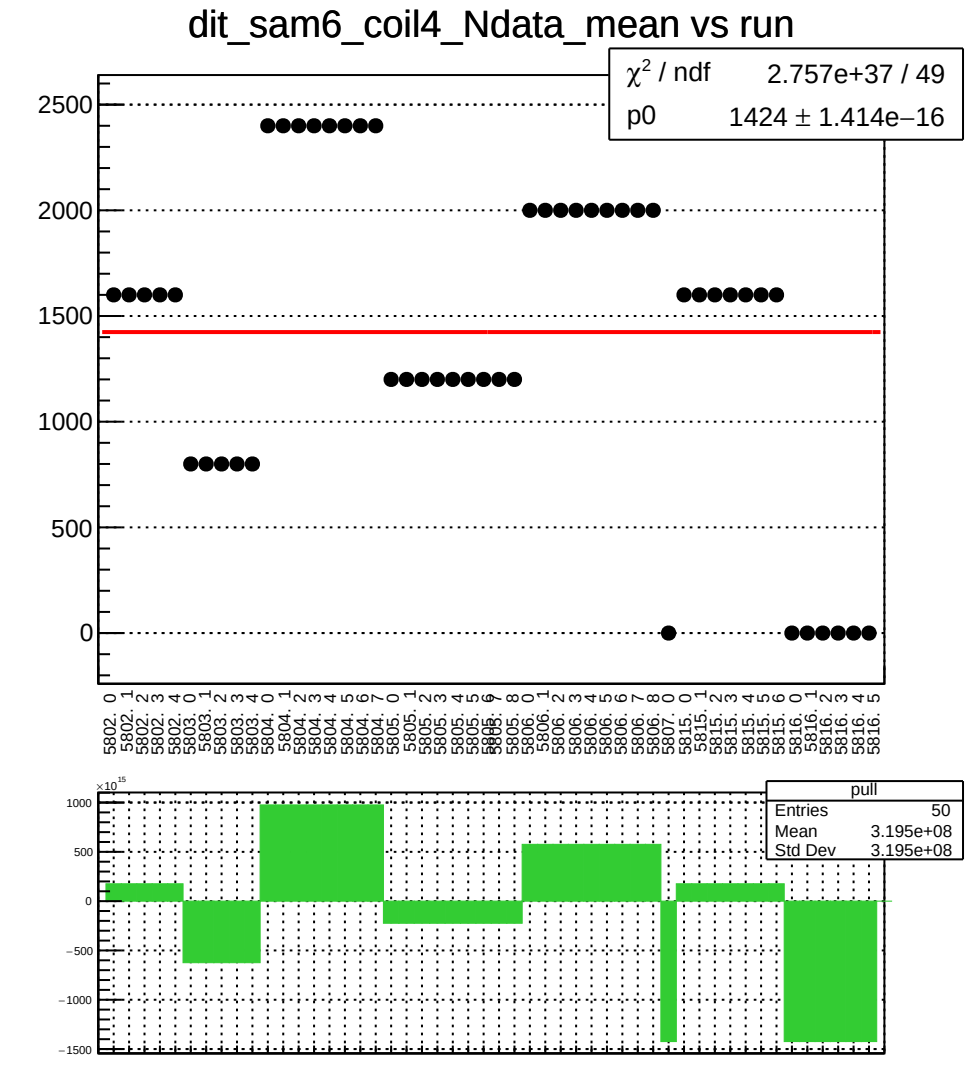
0
2
4
6
8

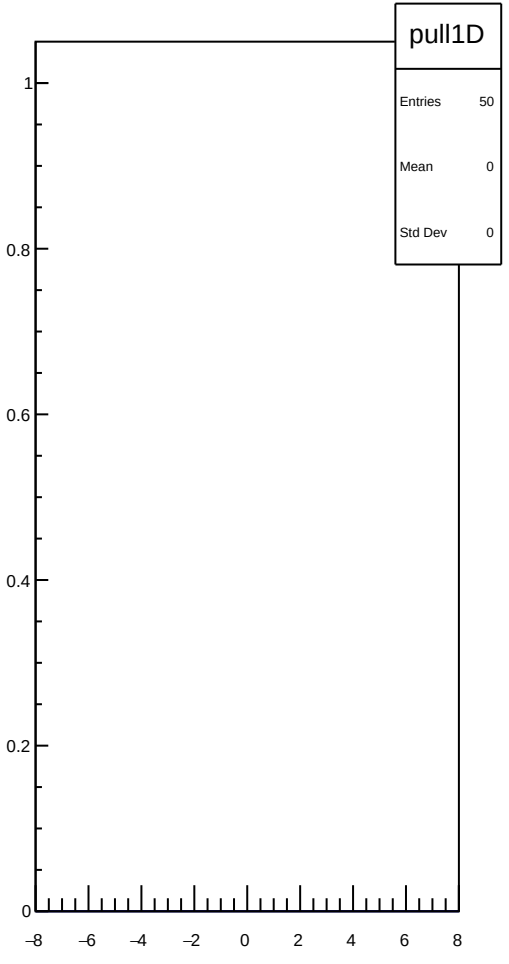

dit_sam6_coil4_mean vs run
χ² / ndf inf / 49
p0 7707 ± 1.414e−16
10000
8000
6000
4000
2000
0
pull
Entries 50
Mean −1.647e+09
Std Dev 1.647e+09
×10¹⁵
2000
0
−2000
−4000
−6000
−8000

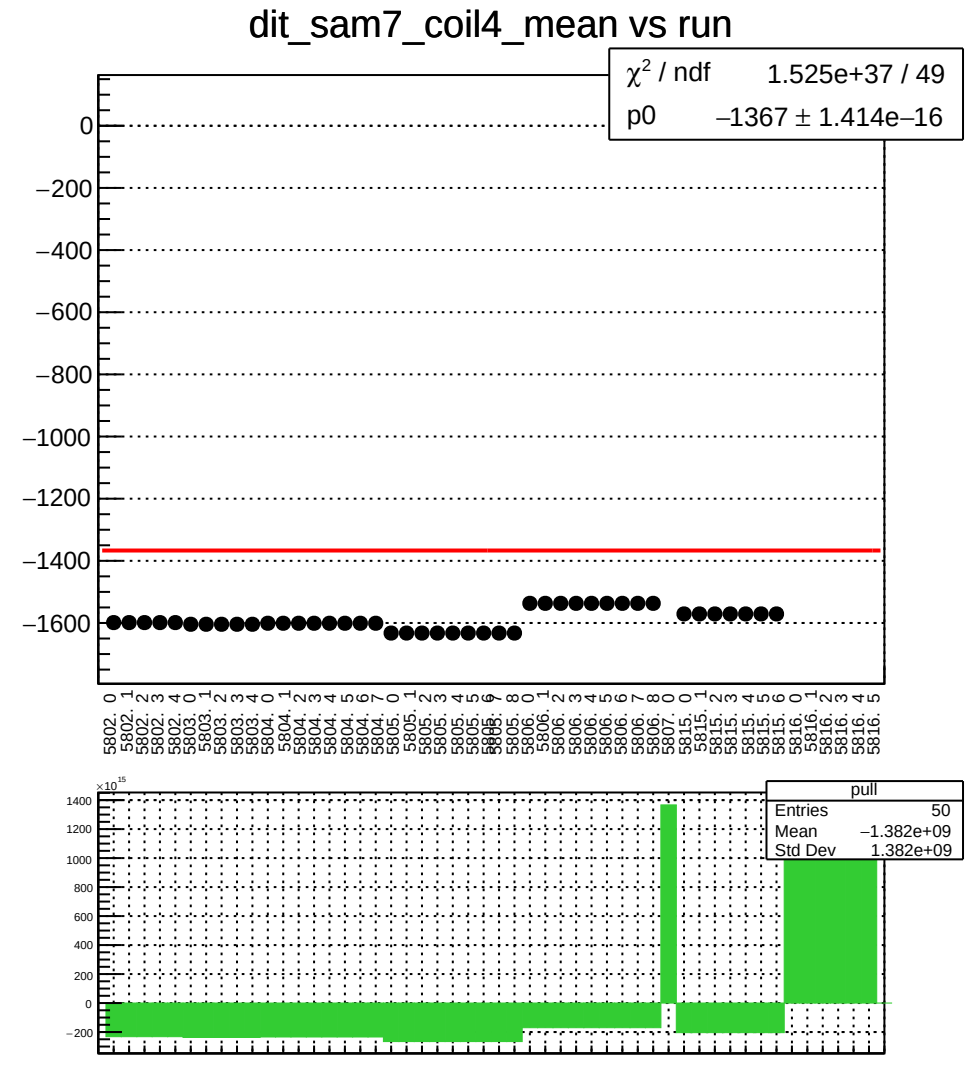

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

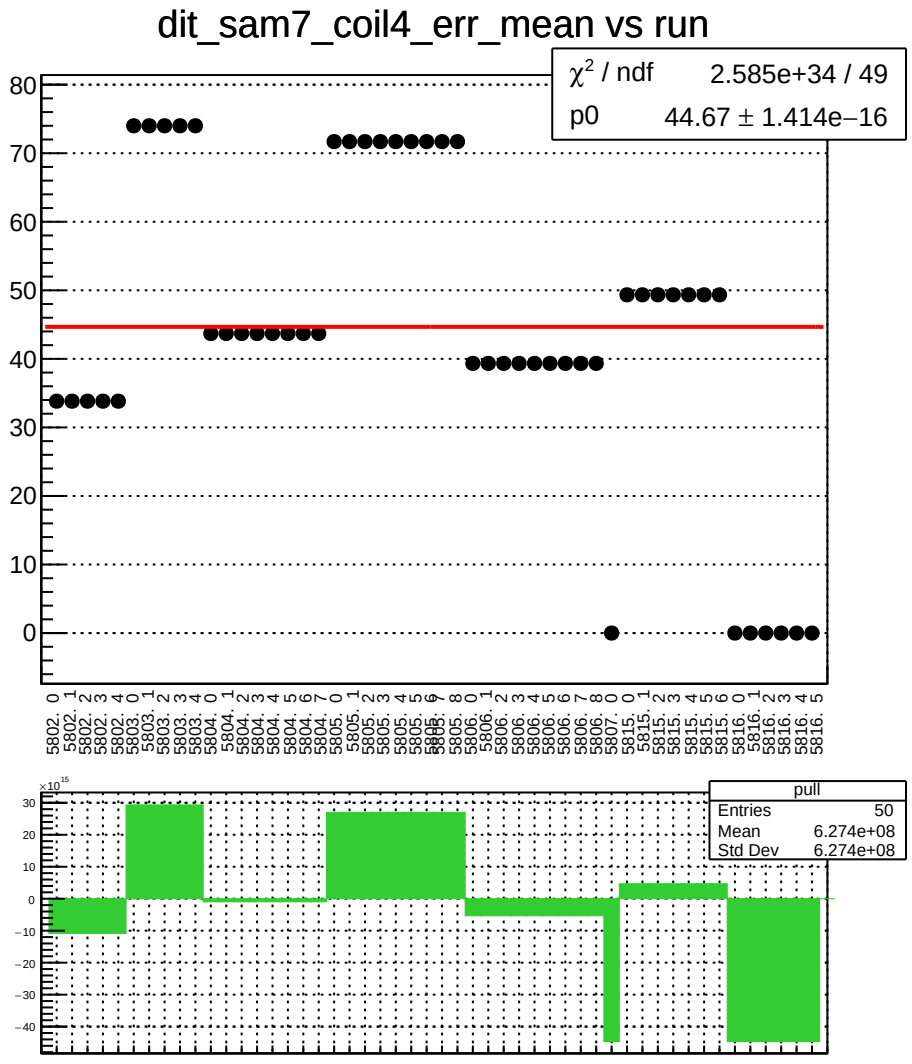

dit_sam6_coil4_err_mean vs run
χ² / ndf 1.447e+35 / 49
p0 108 ± 1.414e−16
pull
Entries 50
Mean −1.357e+09
Std Dev 1.357e+09

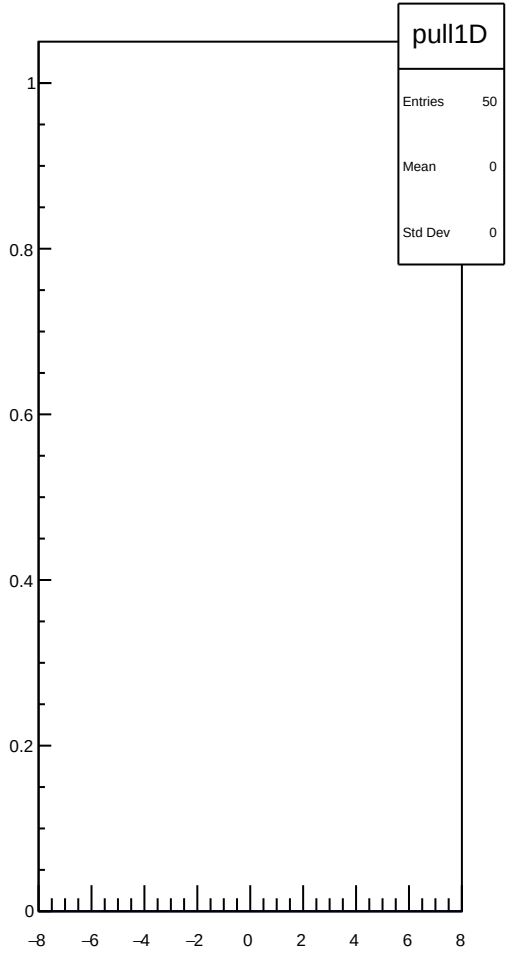

pull1D
Entries 50
Mean 0
Std Dev 0

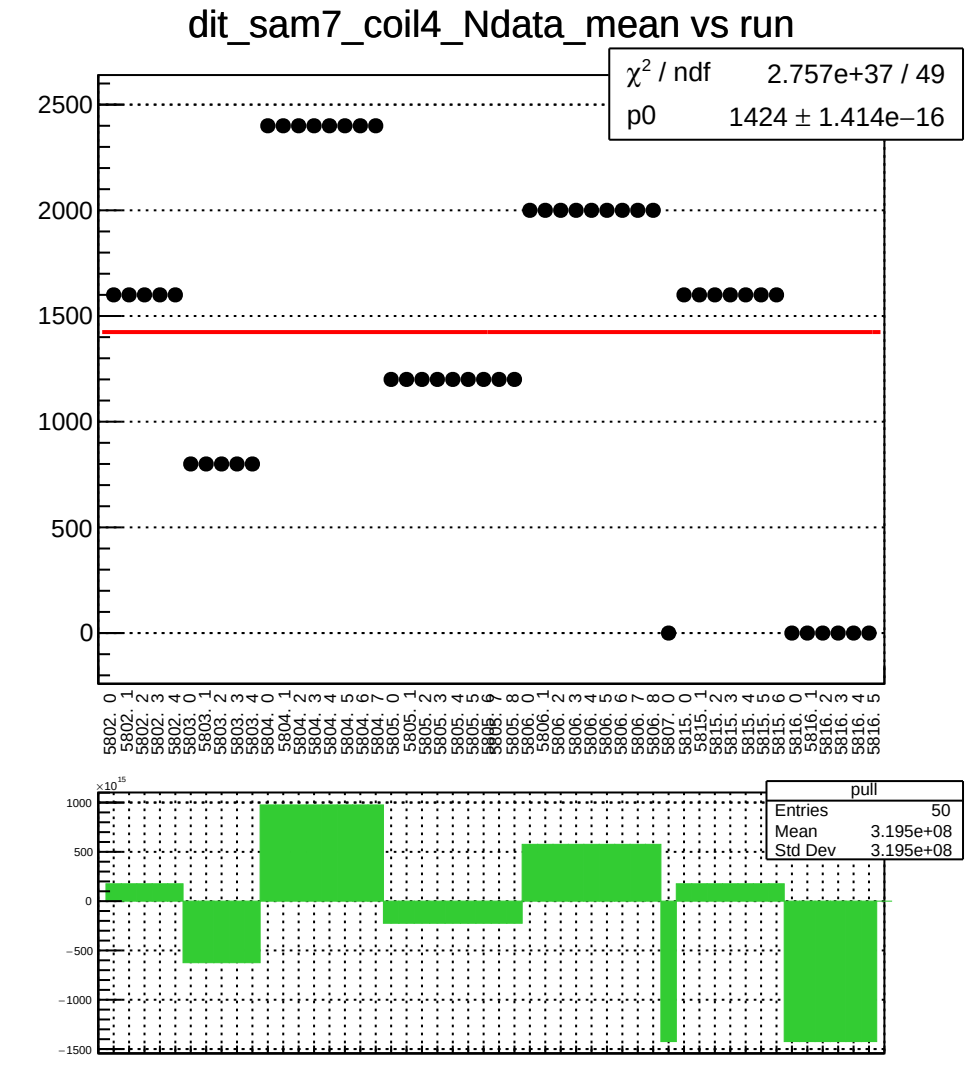

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
×10¹⁵
1000
500
0
−500
−1000
−1500

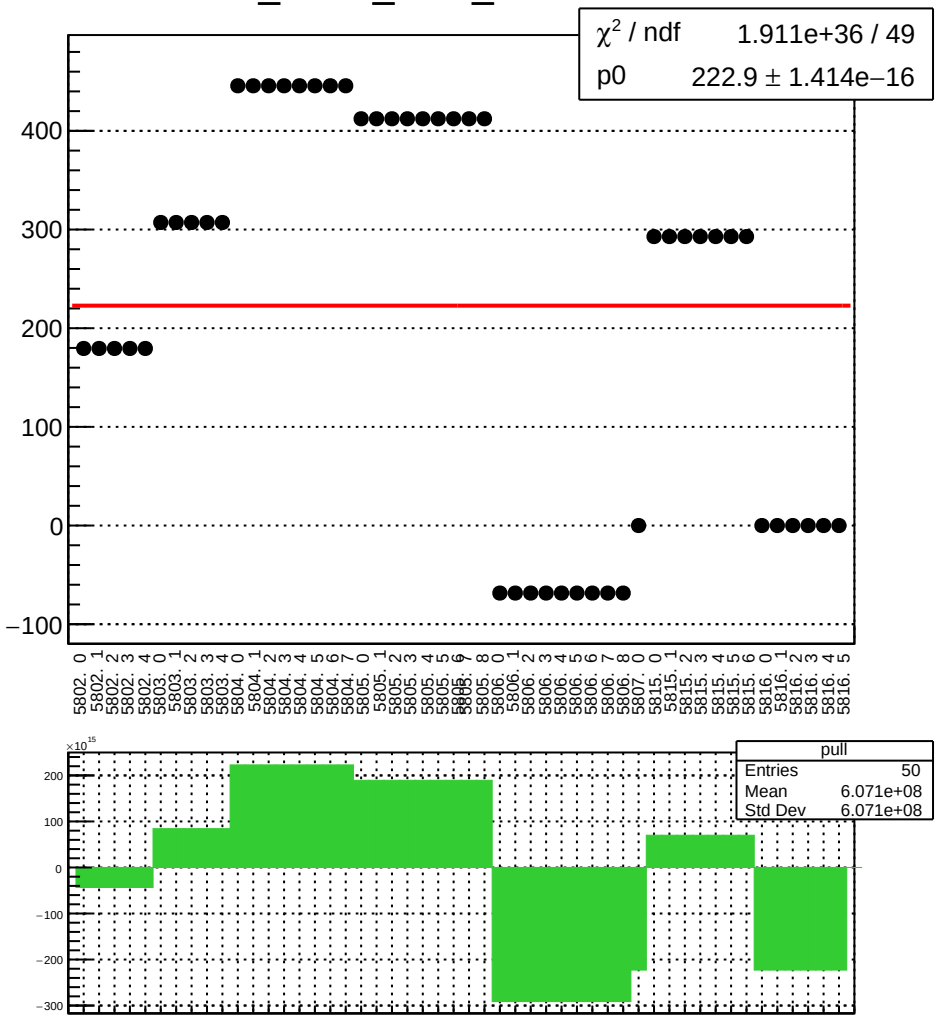

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

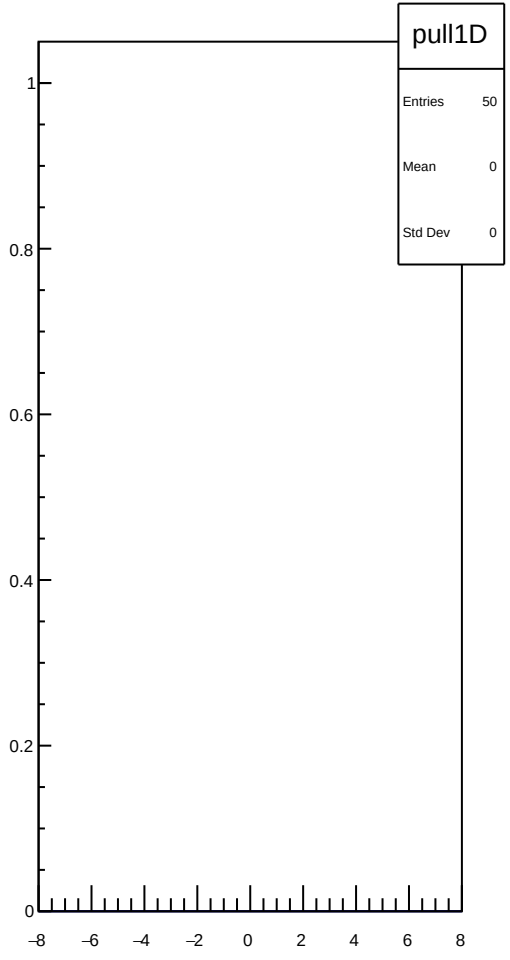

dit_sam7_coil4_mean vs run
χ² / ndf 1.525e+37 / 49
p0 −1367 ± 1.414e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1400
1200
1000
800
600
400
200
0
−200
pull
Entries 50
Mean −1.382e+09
Std Dev 1.382e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

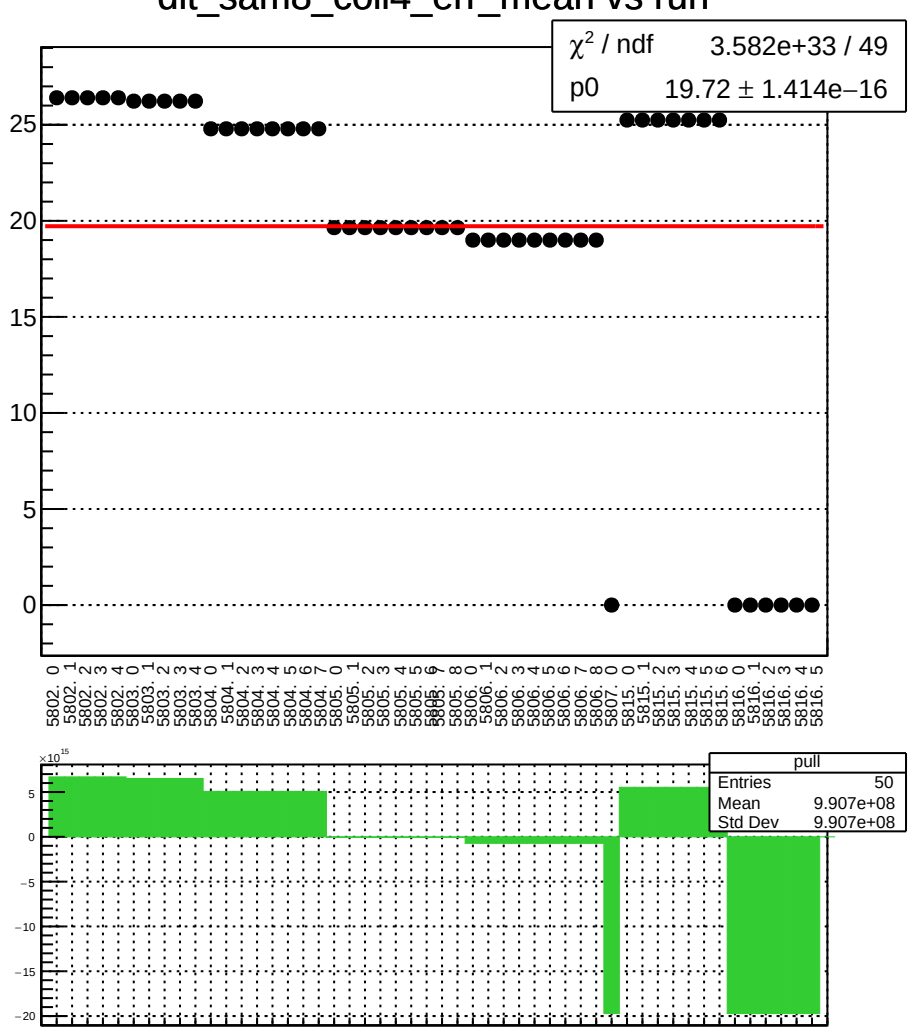

dit_sam7_coil4_err_mean vs run
χ² / ndf 2.585e+34 / 49
p0 44.67 ± 1.414e−16
pull
Entries 50
Mean 6.274e+08
Std Dev 6.274e+08

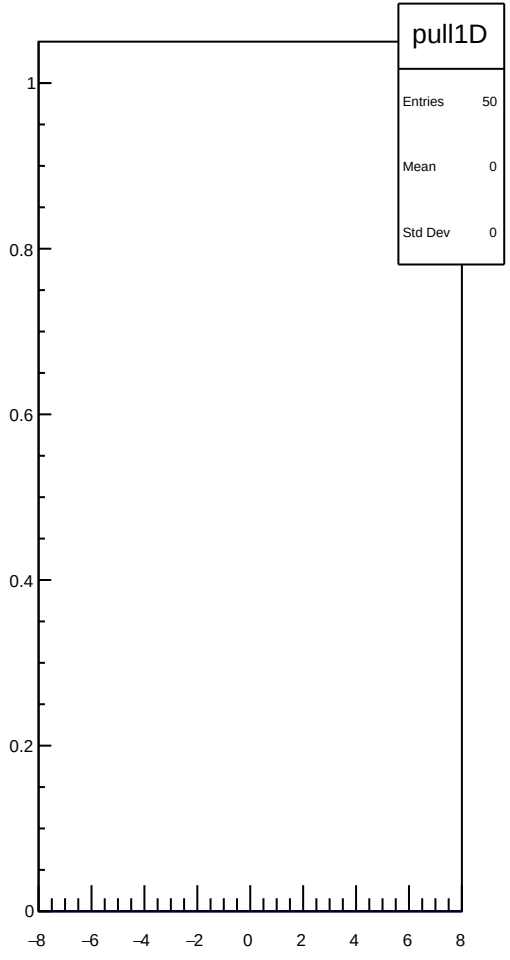

pull1D
Entries 50
Mean 0
Std Dev 0

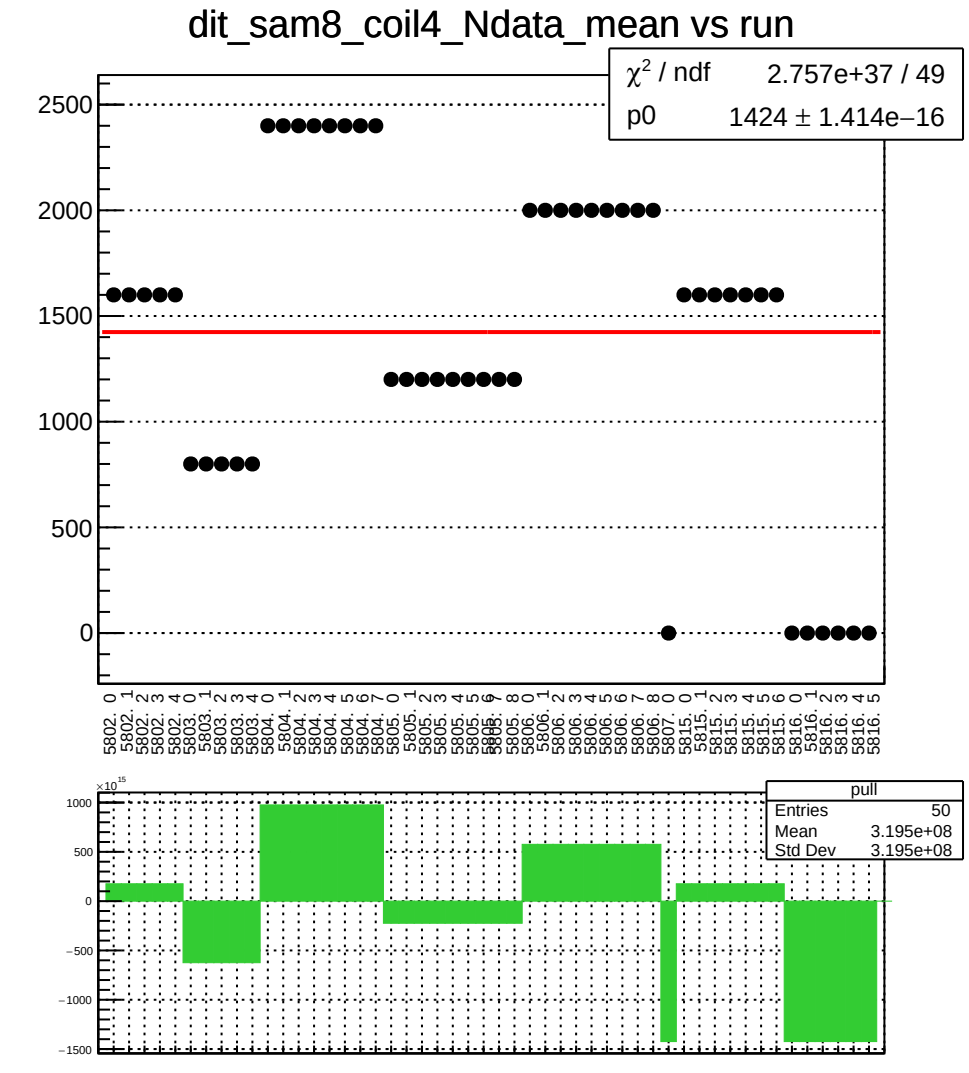

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil4_mean vs run
χ² / ndf 1.911e+36 / 49
p0 222.9 ± 1.414e−16
400
300
200
100
0
−100
pull
Entries 50
Mean 6.071e+08
Std Dev 6.071e+08
×10¹⁵
200
100
0
−100
−200
−300


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil4_err_mean vs run
χ² / ndf 3.582e+33 / 49
p0 19.72 ± 1.414e−16
pull
Entries 50
Mean 9.907e+08
Std Dev 9.907e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 2.757e+37 / 49
p0 1424 ± 1.414e−16
2500
2000
1500
1000
500
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
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5806. 0
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5806. 2
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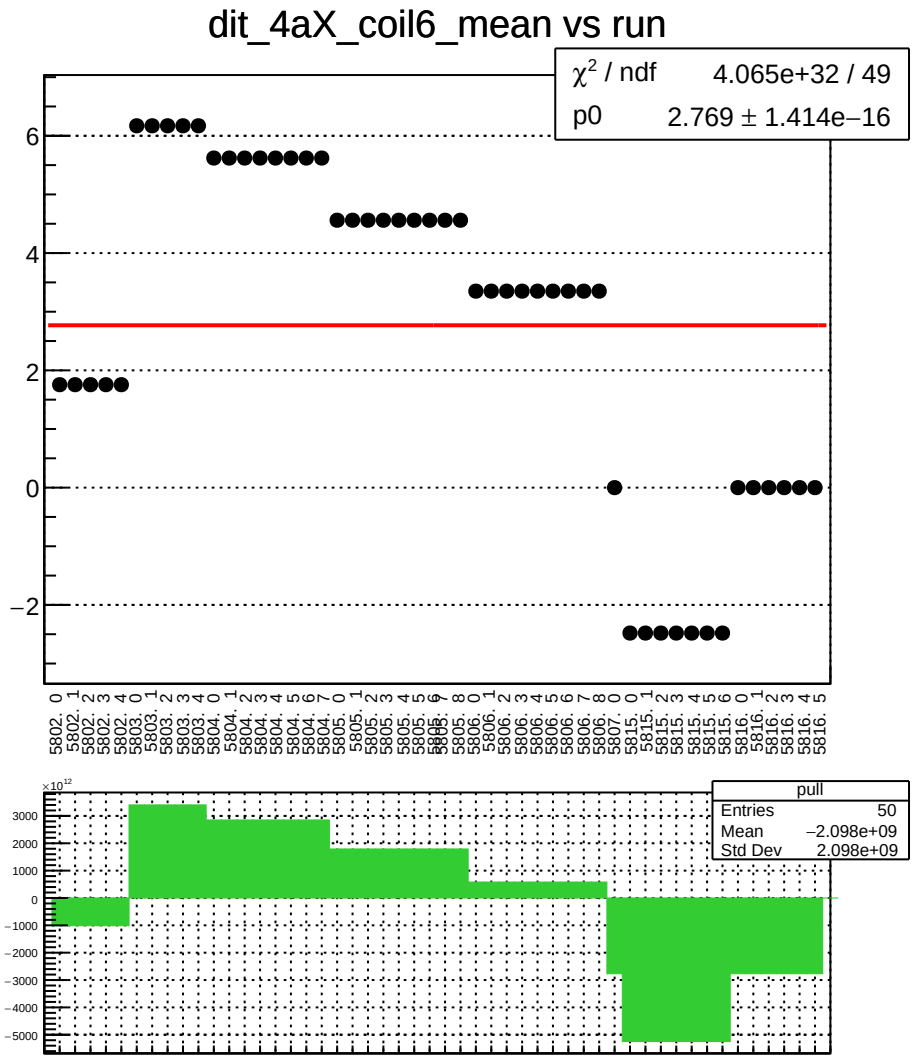
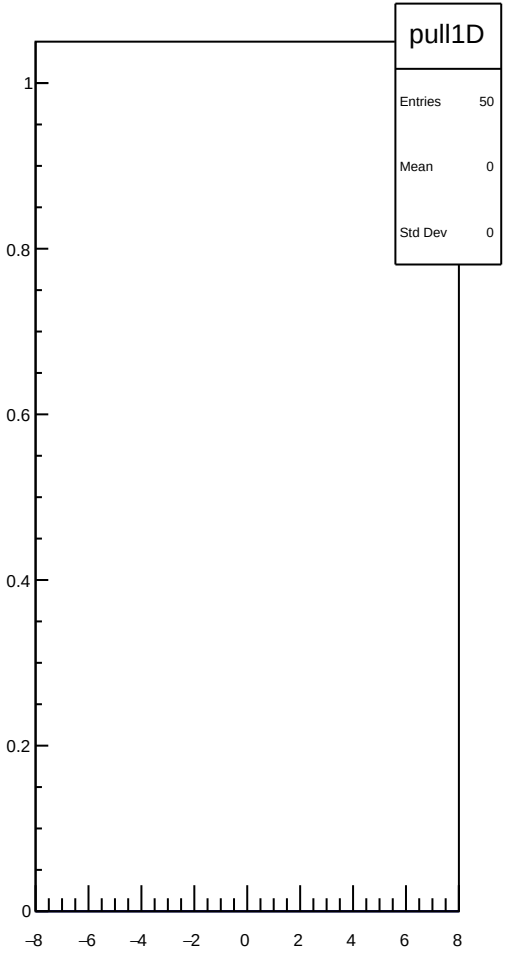
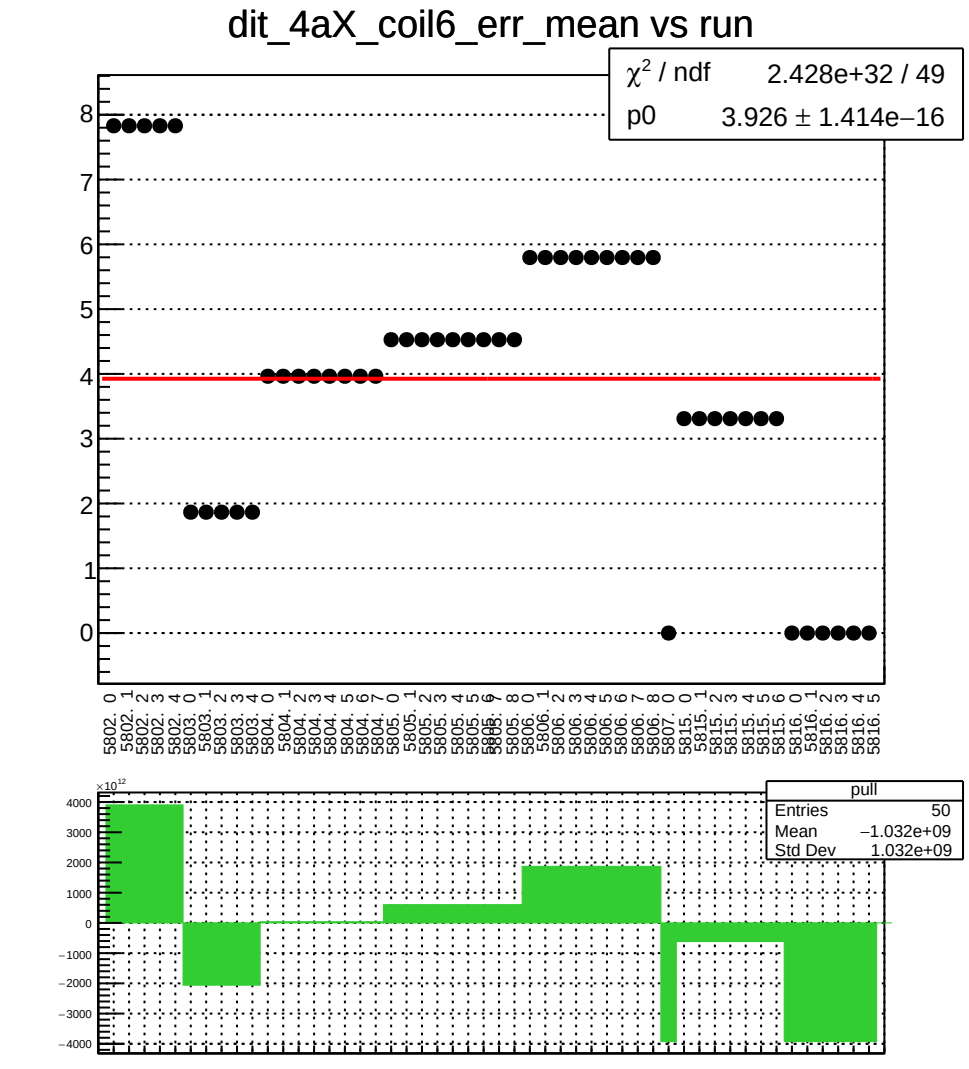
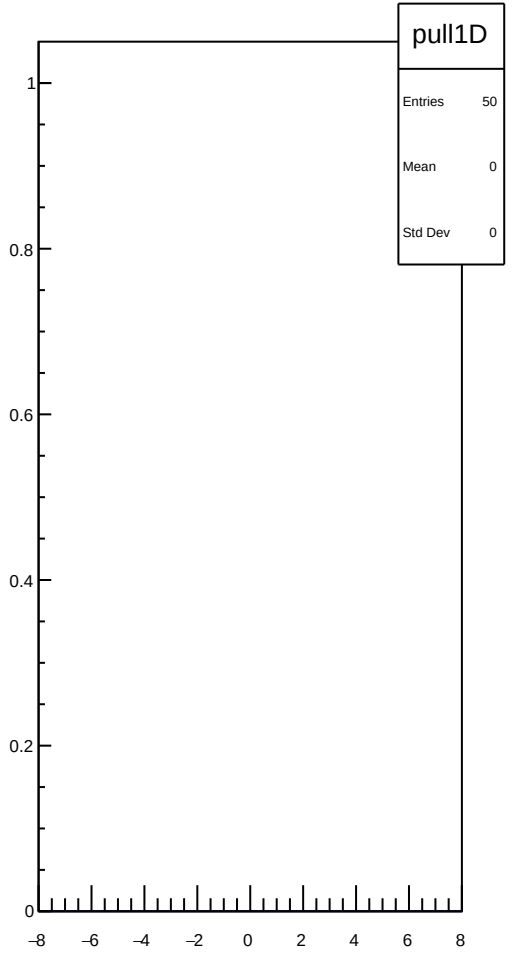
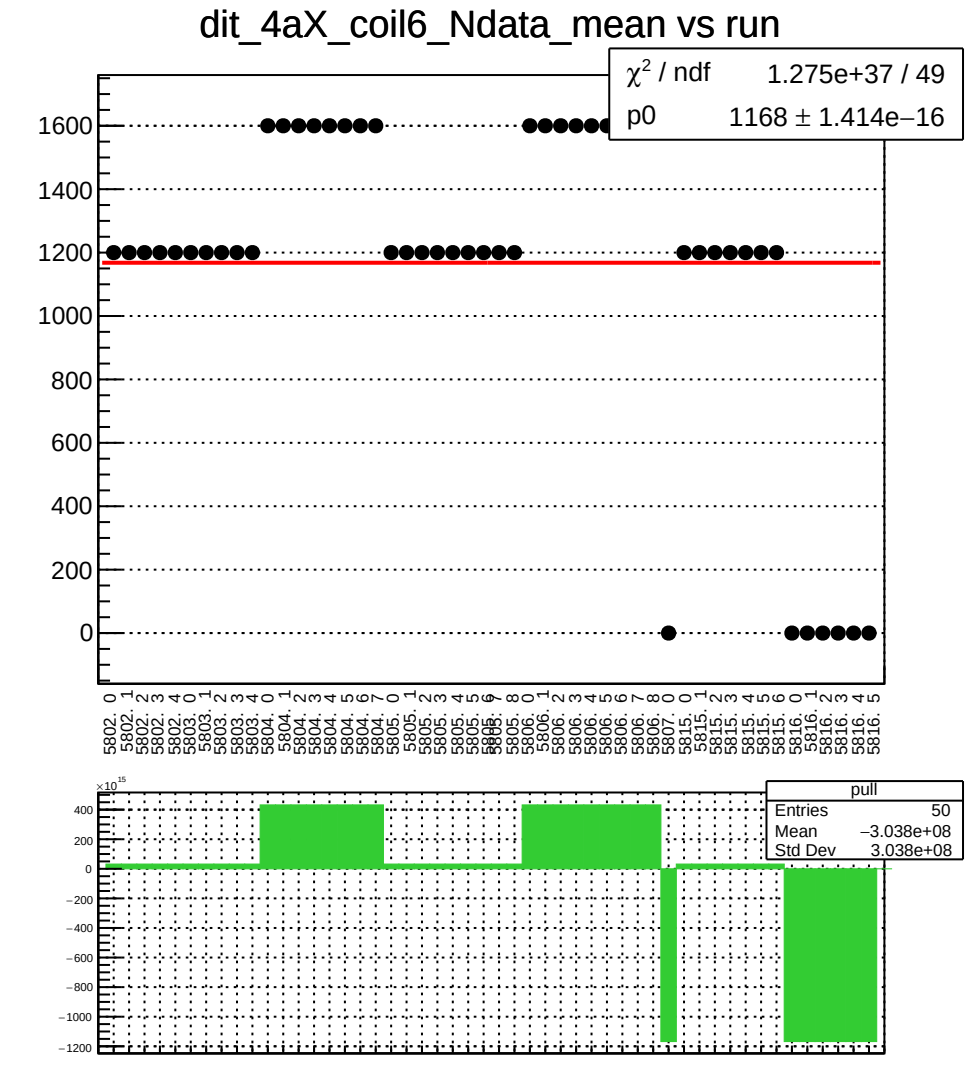
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

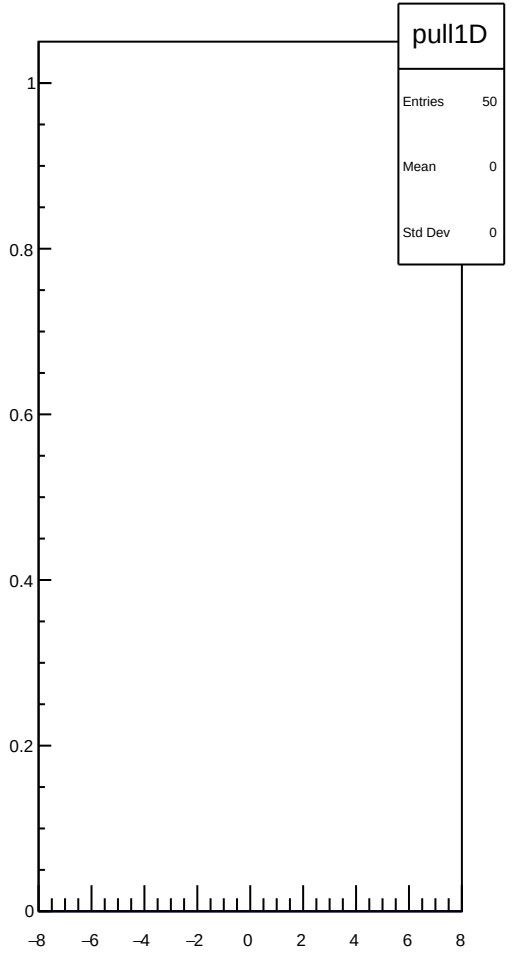

dit_4aX_coil6_mean vs run
χ² / ndf 4.065e+32 / 49
p0 2.769 ± 1.414e−16
pull
Entries 50
Mean −2.098e+09
Std Dev 2.098e+09

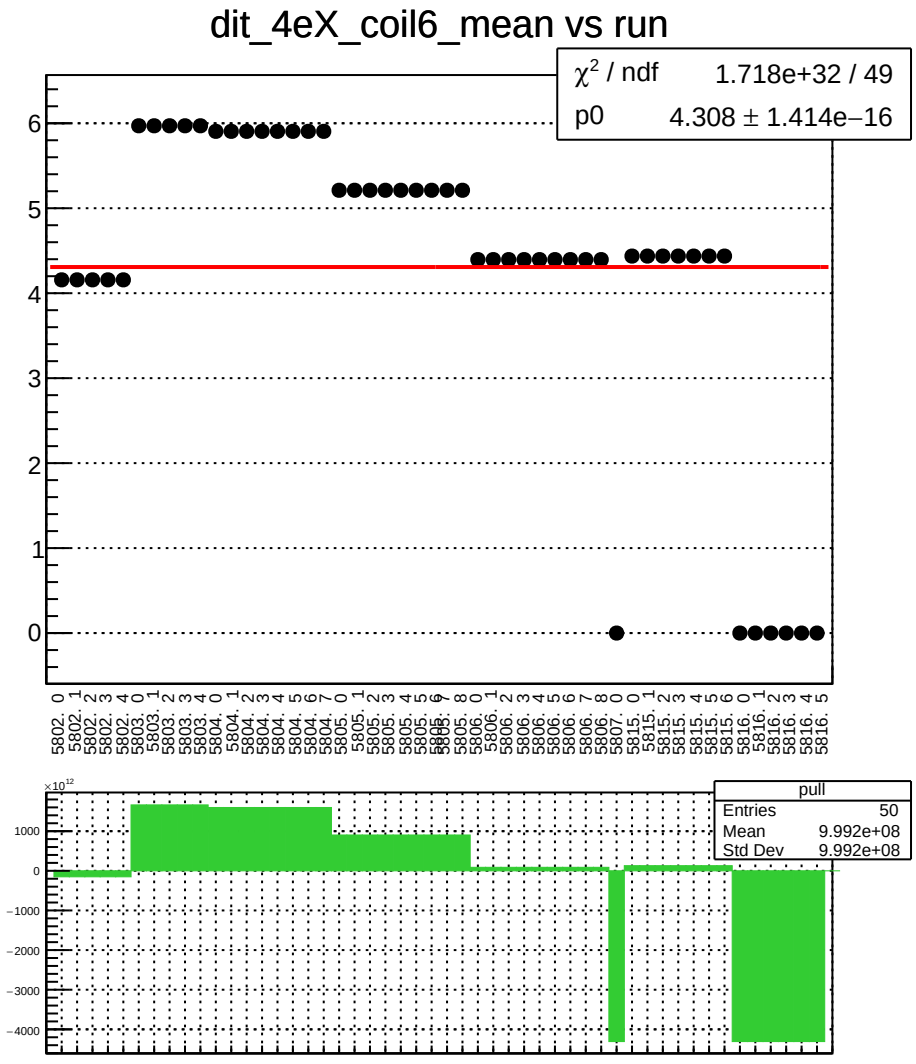

pull1D
Entries 50
Mean 0
Std Dev 0

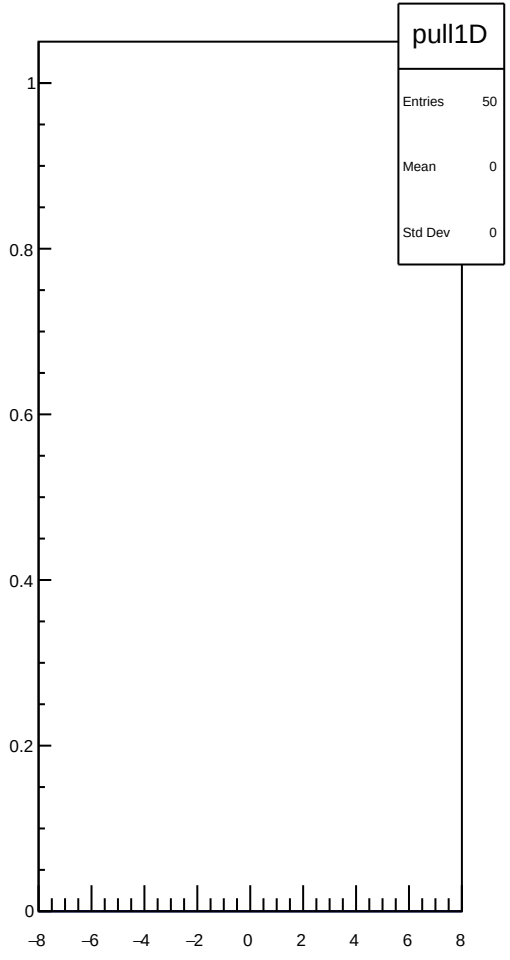

dit_4aX_coil6_err_mean vs run
χ² / ndf 2.428e+32 / 49
p0 3.926 ± 1.414e−16
pull
Entries 50
Mean −1.032e+09
Std Dev 1.032e+09
×10¹²

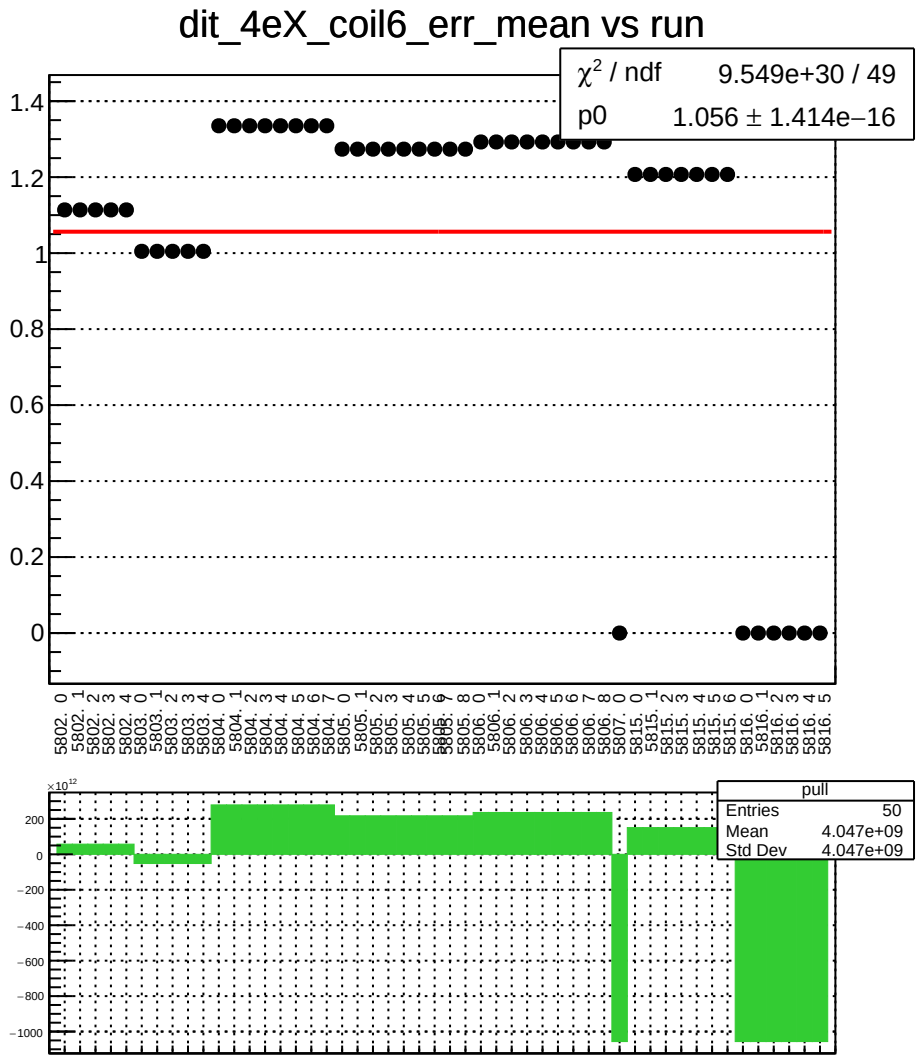

pull1D
Entries 50
Mean 0
Std Dev 0

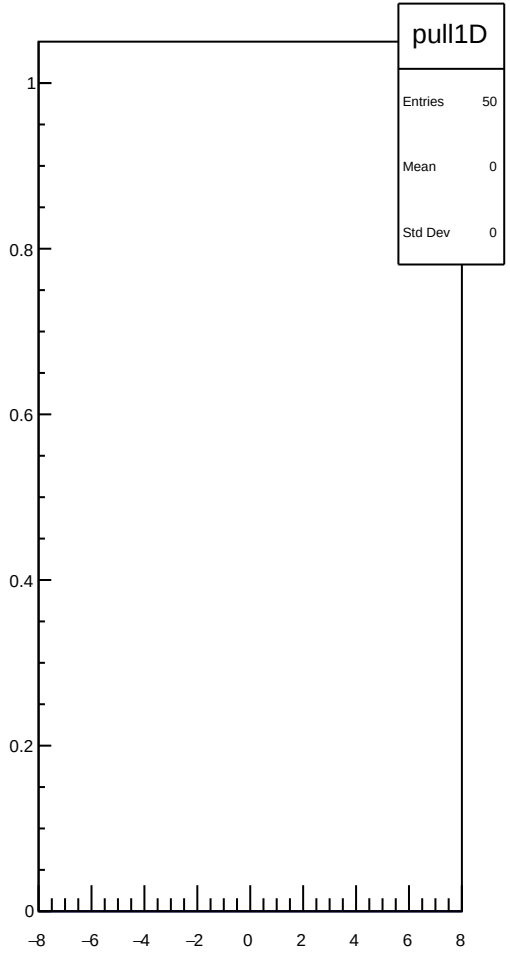

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08

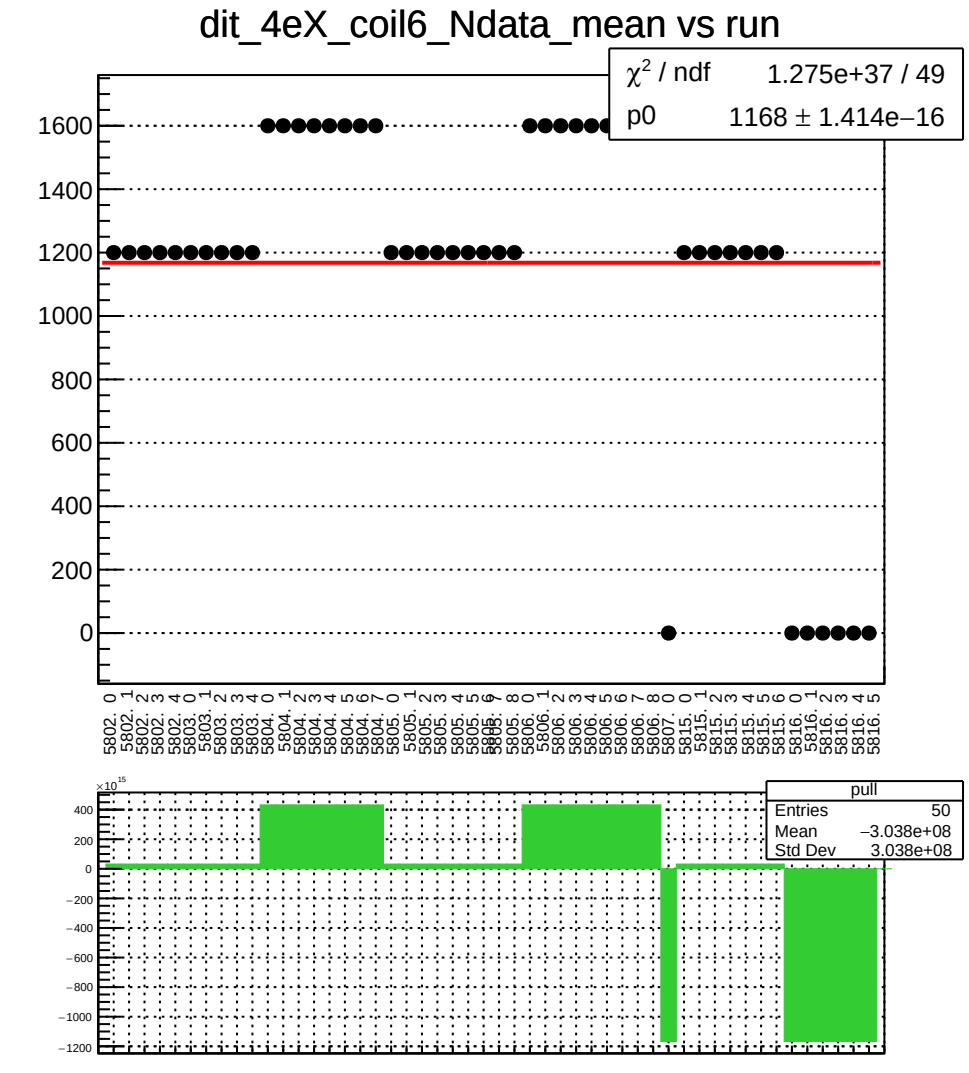

pull1D
Entries 50
Mean 0
Std Dev 0

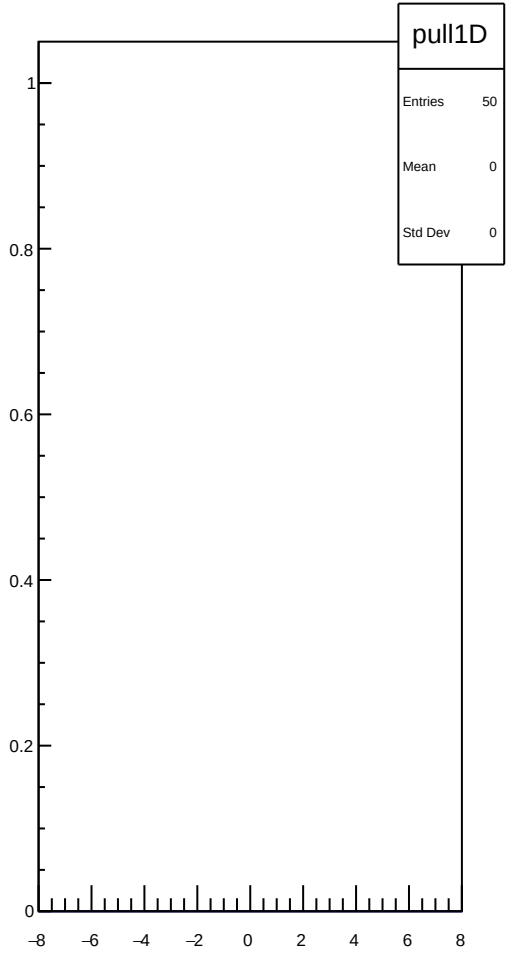

dit_4eX_coil6_mean vs run
χ² / ndf 1.718e+32 / 49
p0 4.308 ± 1.414e−16
pull
Entries 50
Mean 9.992e+08
Std Dev 9.992e+08

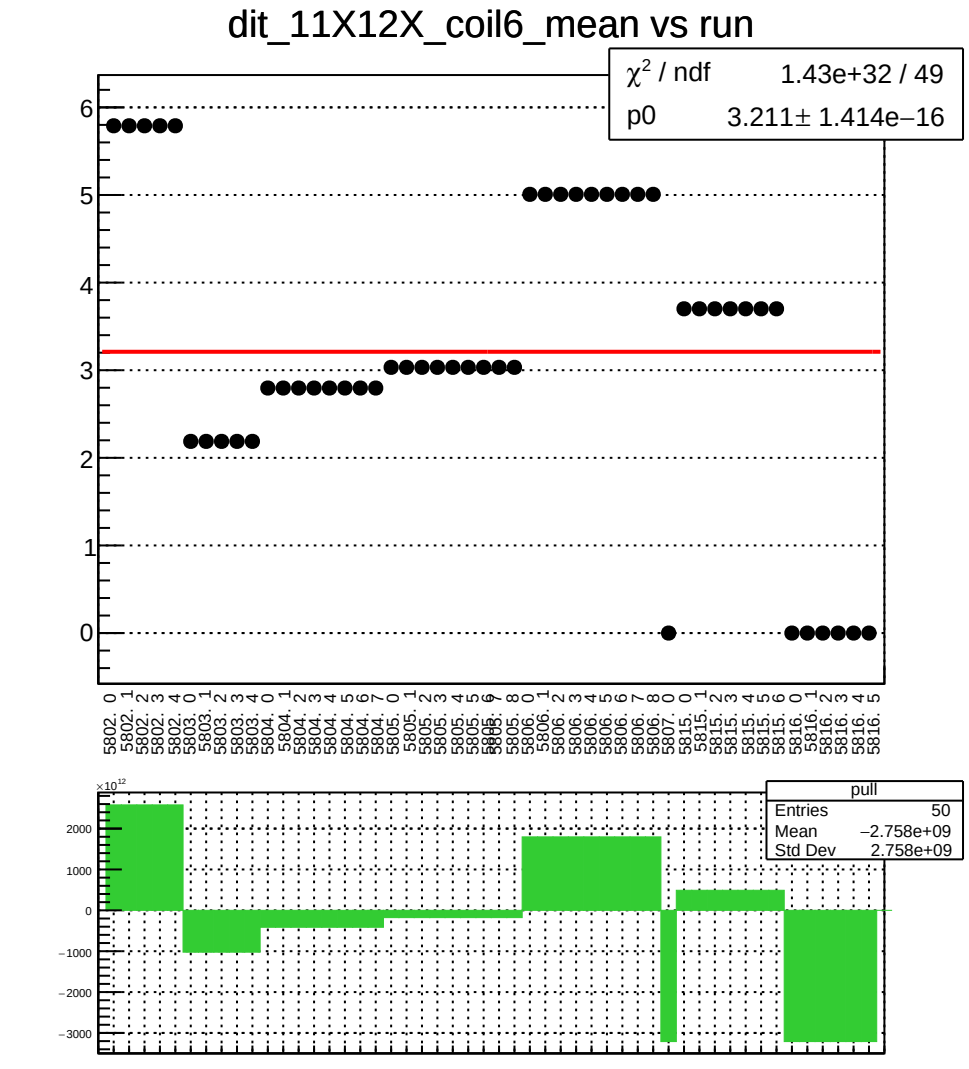

pull1D
Entries 50
Mean 0
Std Dev 0

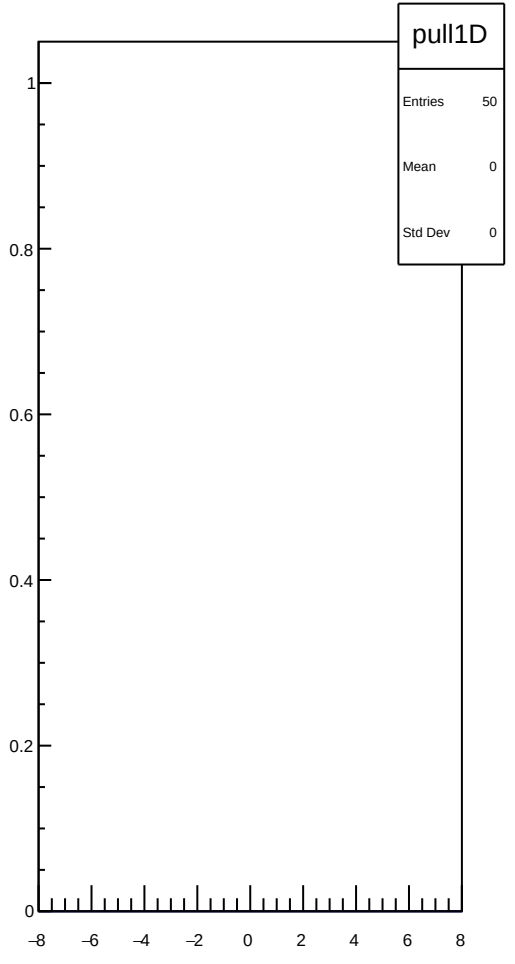

dit_4eX_coil6_err_mean vs run
χ² / ndf 9.549e+30 / 49
p0 1.056 ± 1.414e−16
pull
Entries 50
Mean 4.047e+09
Std Dev 4.047e+09

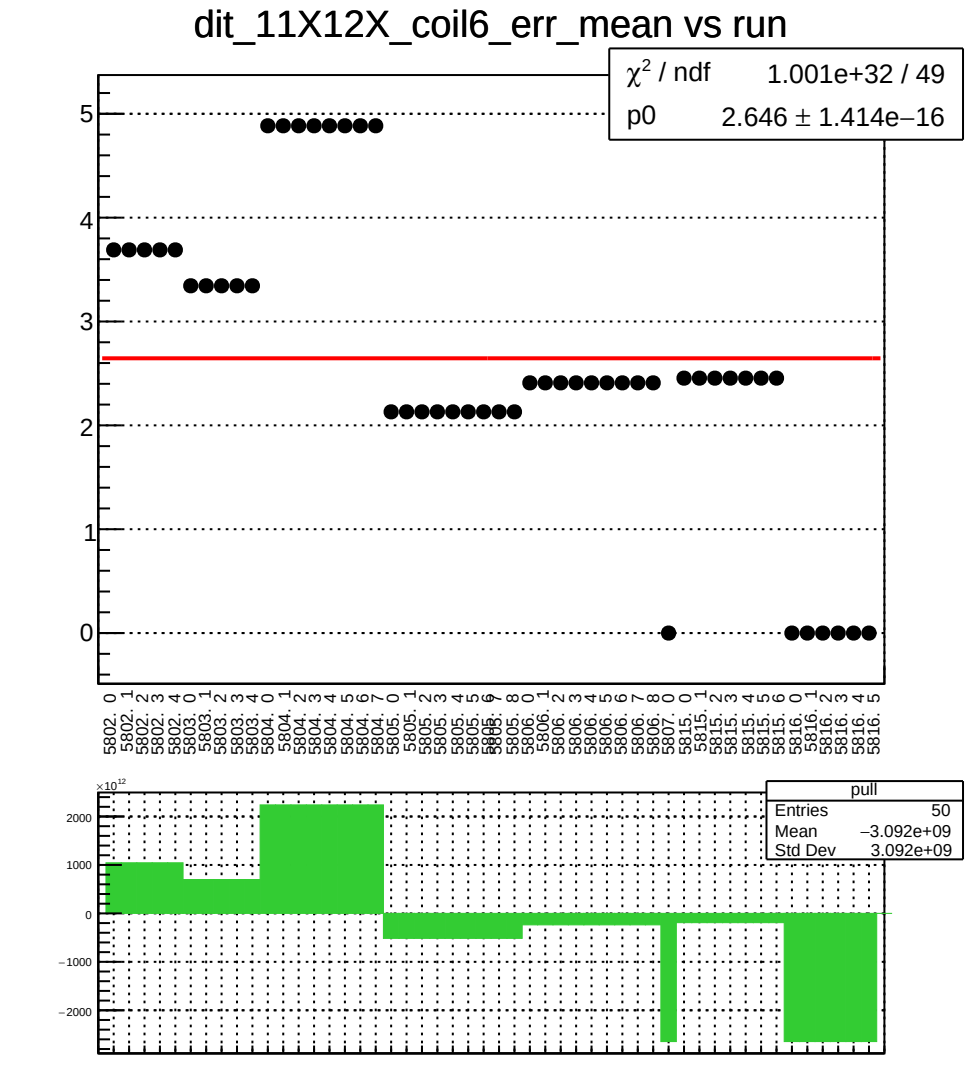

pull1D
Entries 50
Mean 0
Std Dev 0

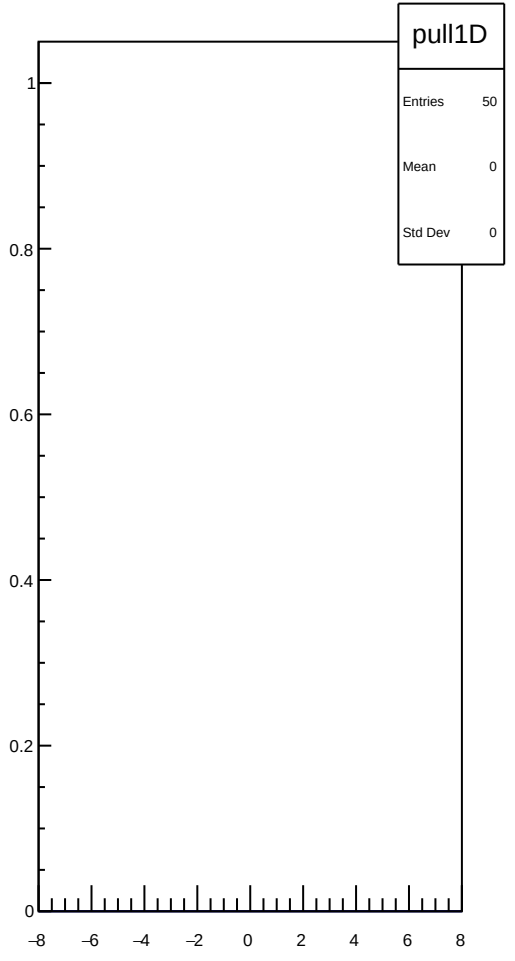

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08

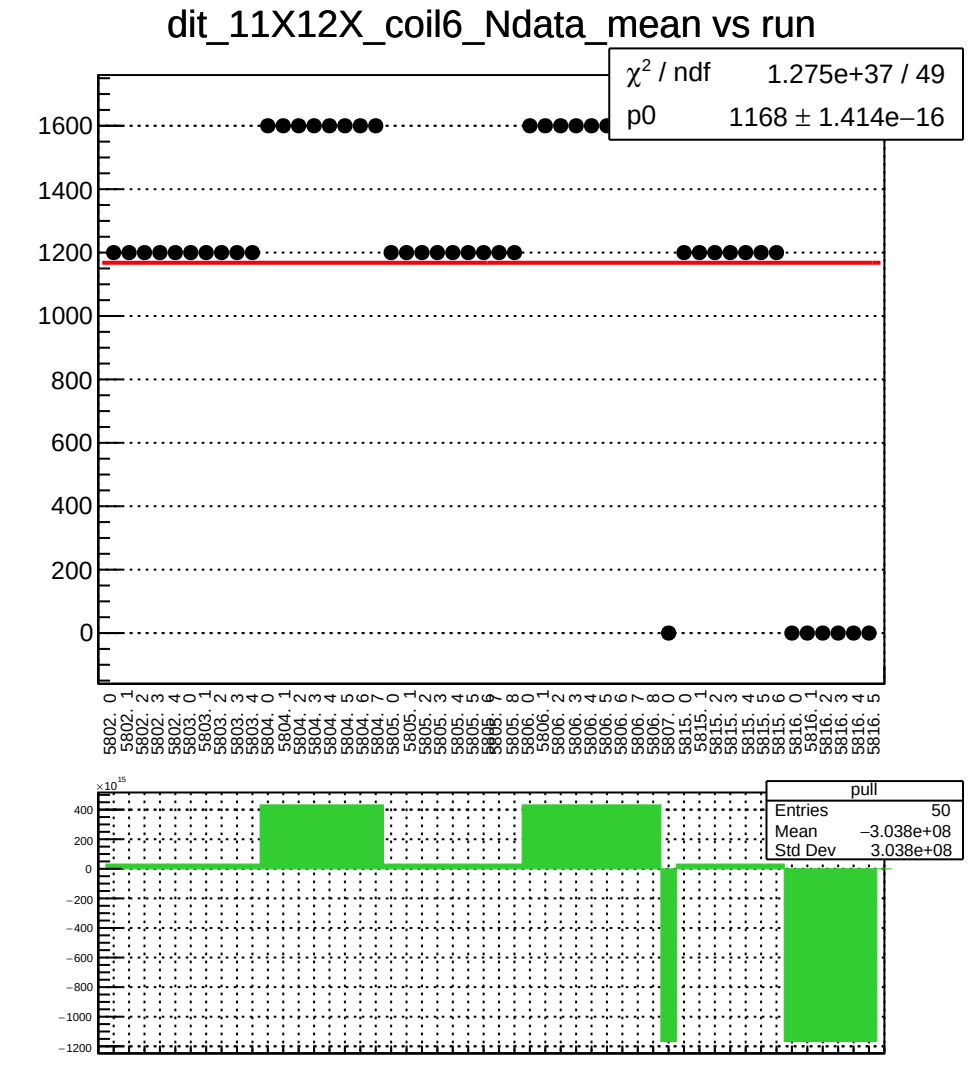

pull1D
Entries 50
Mean 0
Std Dev 0

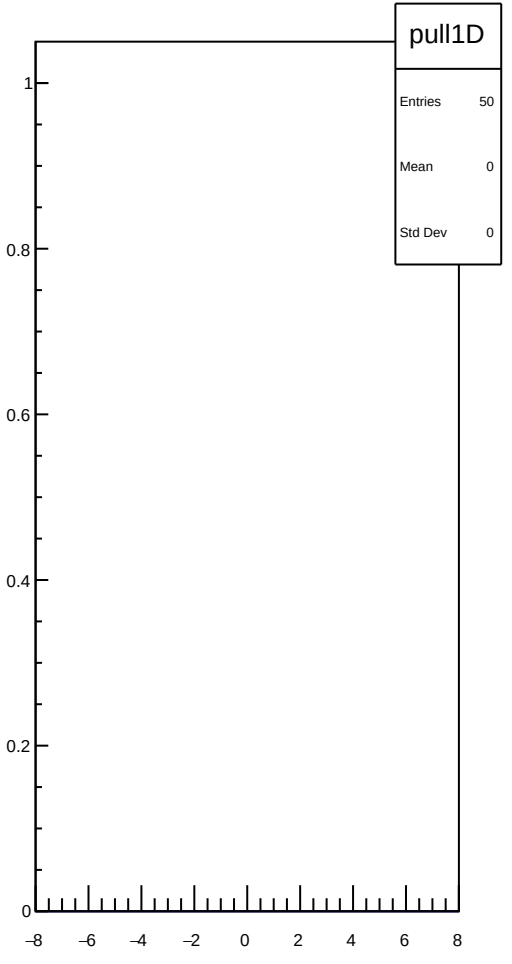

dit_11X12X_coil6_mean vs run
χ² / ndf 1.43e+32 / 49
p0 3.211± 1.414e−16
pull
Entries 50
Mean −2.758e+09
Std Dev 2.758e+09
×10¹²

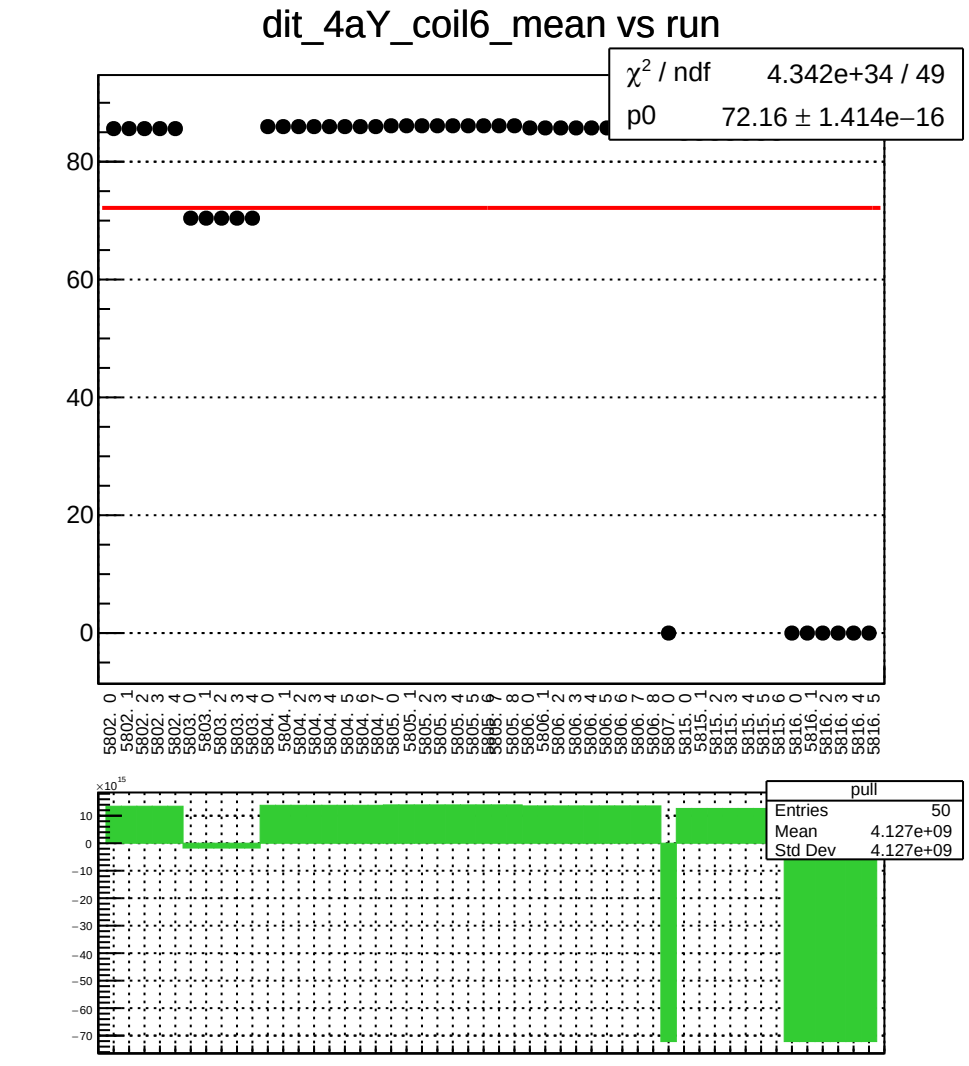

pull1D
Entries 50
Mean 0
Std Dev 0

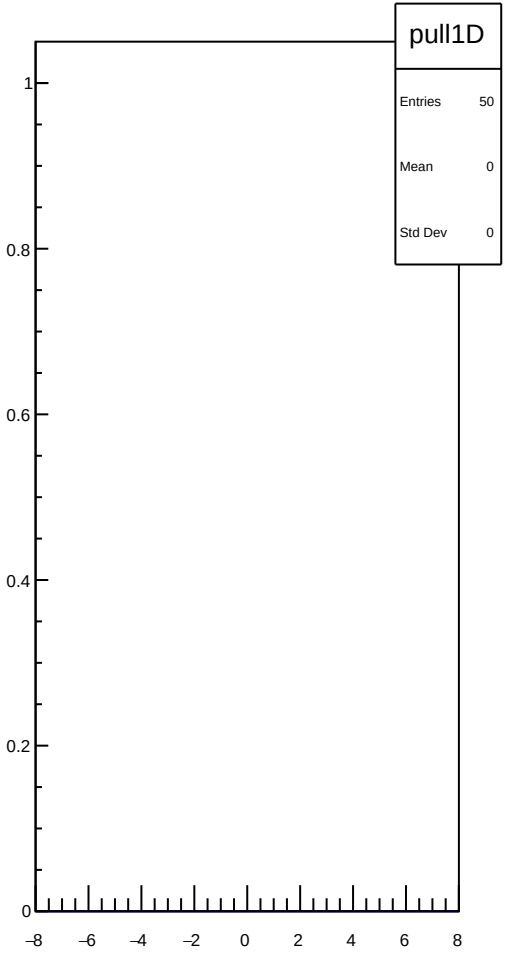

dit_11X12X_coil6_err_mean vs run
χ² / ndf 1.001e+32 / 49
p0 2.646 ± 1.414e−16
pull
Entries 50
Mean −3.092e+09
Std Dev 3.092e+09
×10¹²

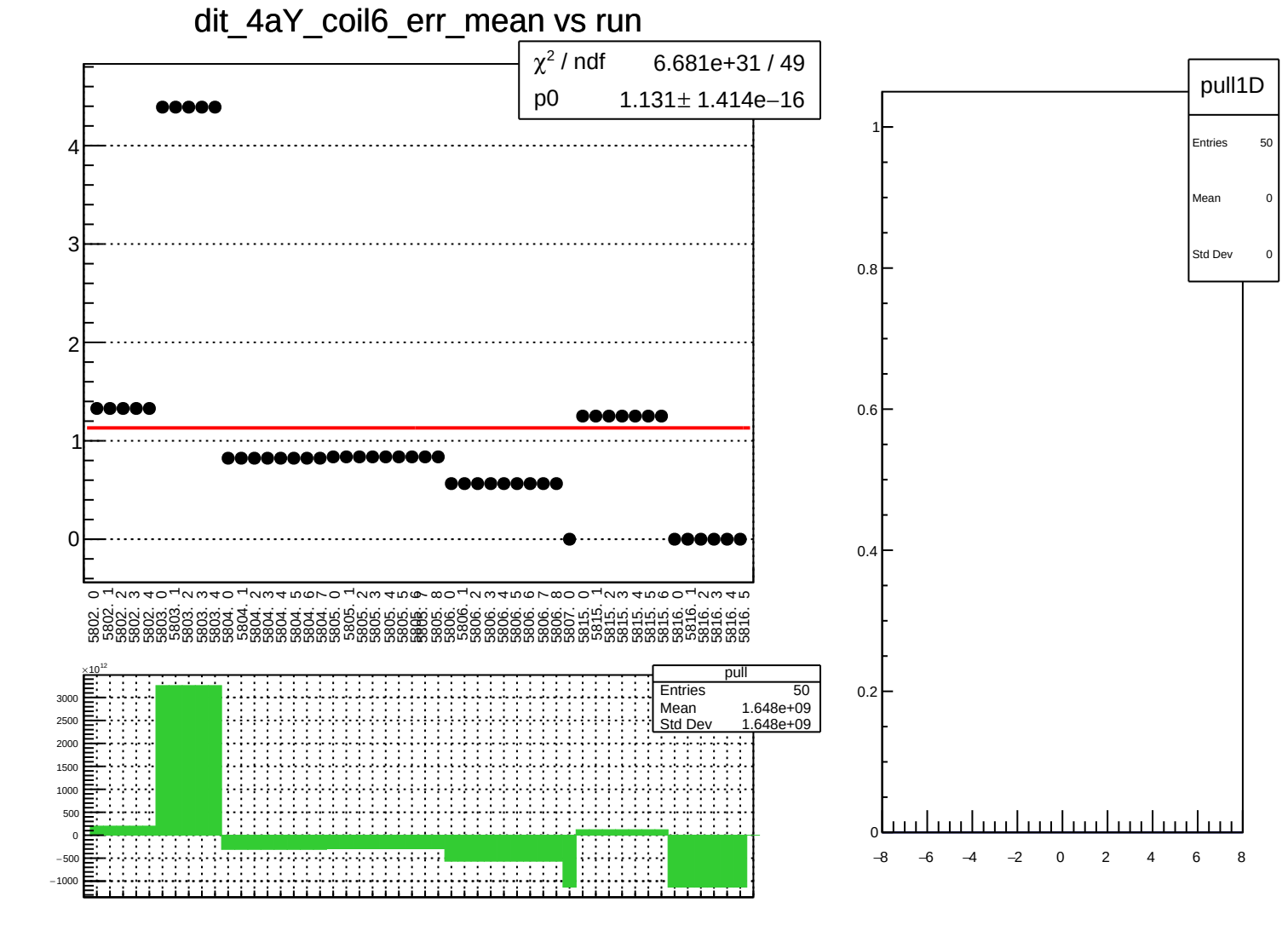

pull1D
Entries 50
Mean 0
Std Dev 0

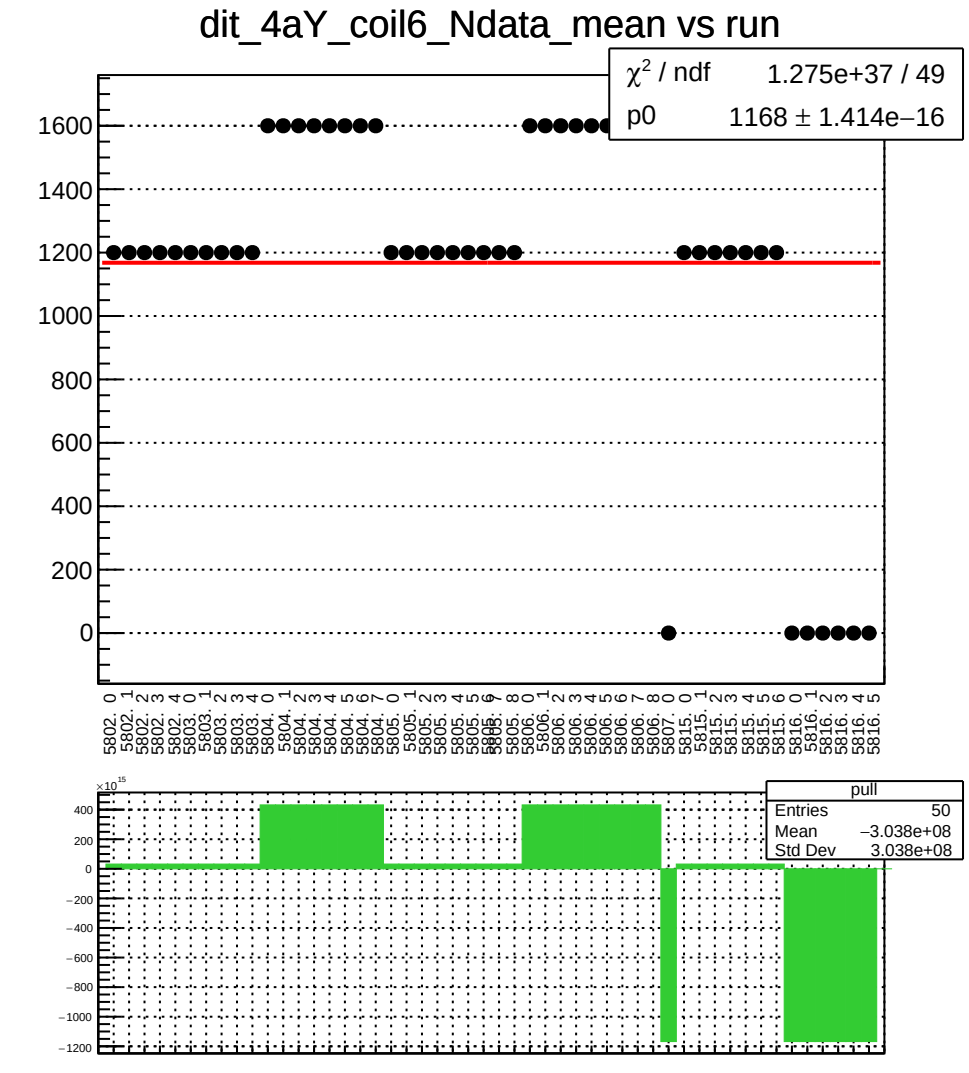

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08

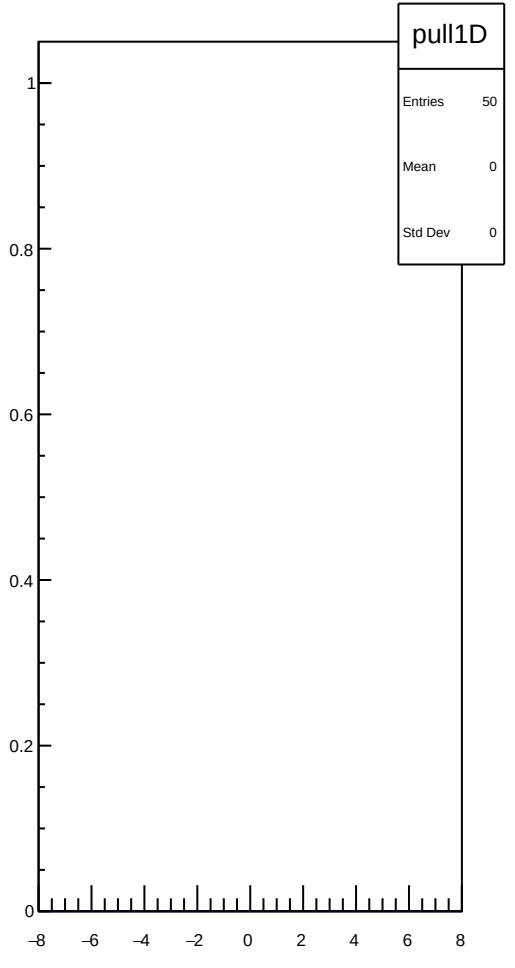

pull1D
Entries 50
Mean 0
Std Dev 0

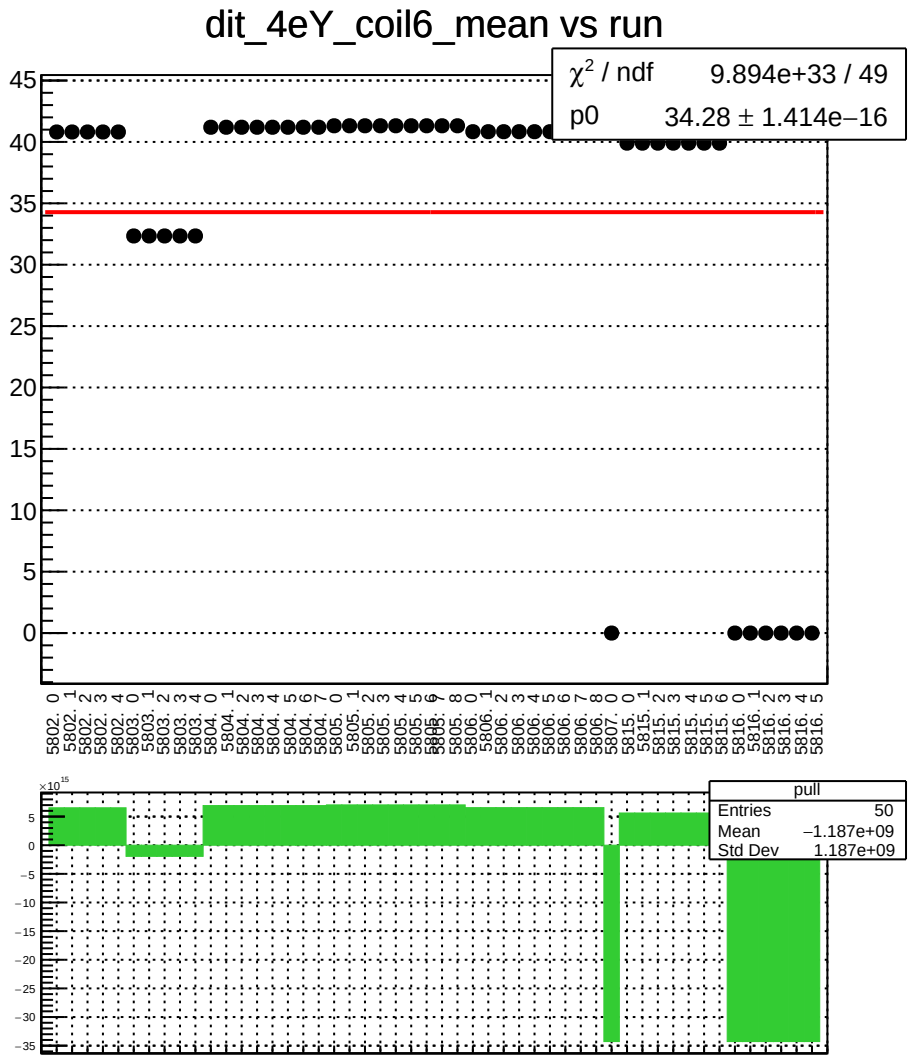

dit_4aY_coil6_mean vs run
χ² / ndf 4.342e+34 / 49
p0 72.16 ± 1.414e−16
80
60
40
20
0
pull
Entries 50
Mean 4.127e+09
Std Dev 4.127e+09
×10¹⁵
10
0
−10
−20
−30
−40
−50
−60
−70

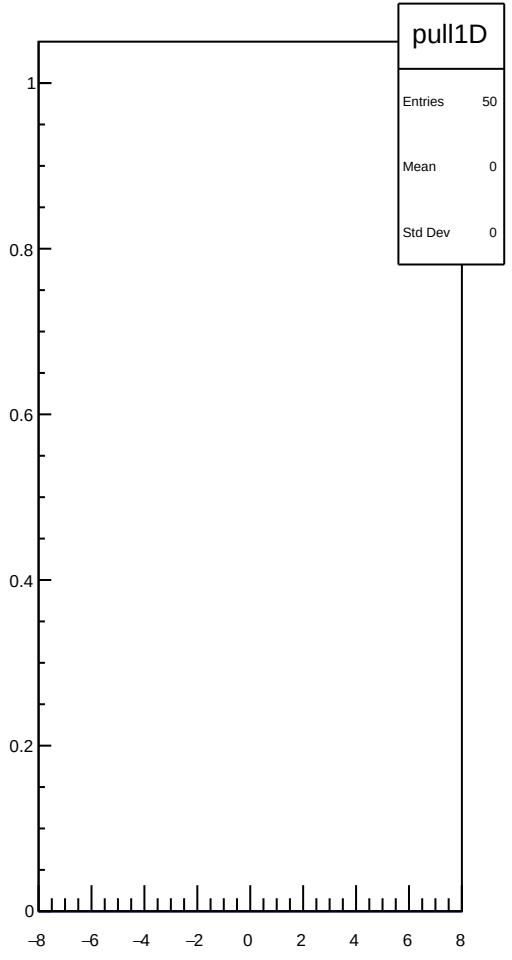

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

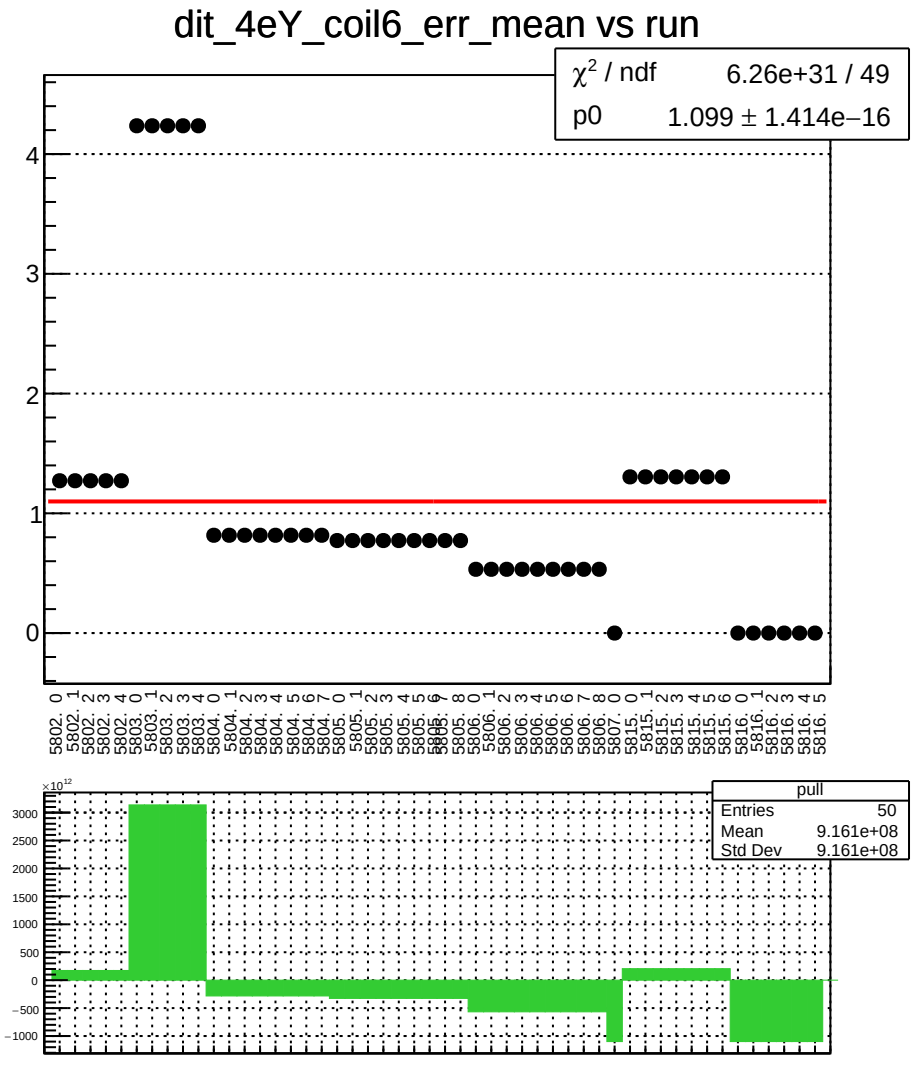

dit_4aY_coil6_err_mean vs run
χ² / ndf 6.681e+31 / 49
p0 1.131± 1.414e−16
pull
Entries 50
Mean 1.648e+09
Std Dev 1.648e+09
pull1D
Entries 50
Mean 0
Std Dev 0

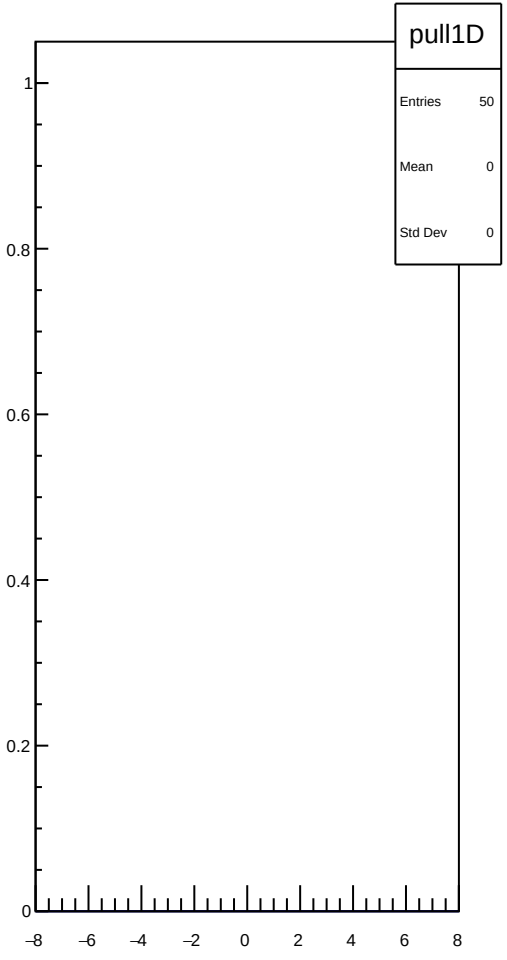

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08

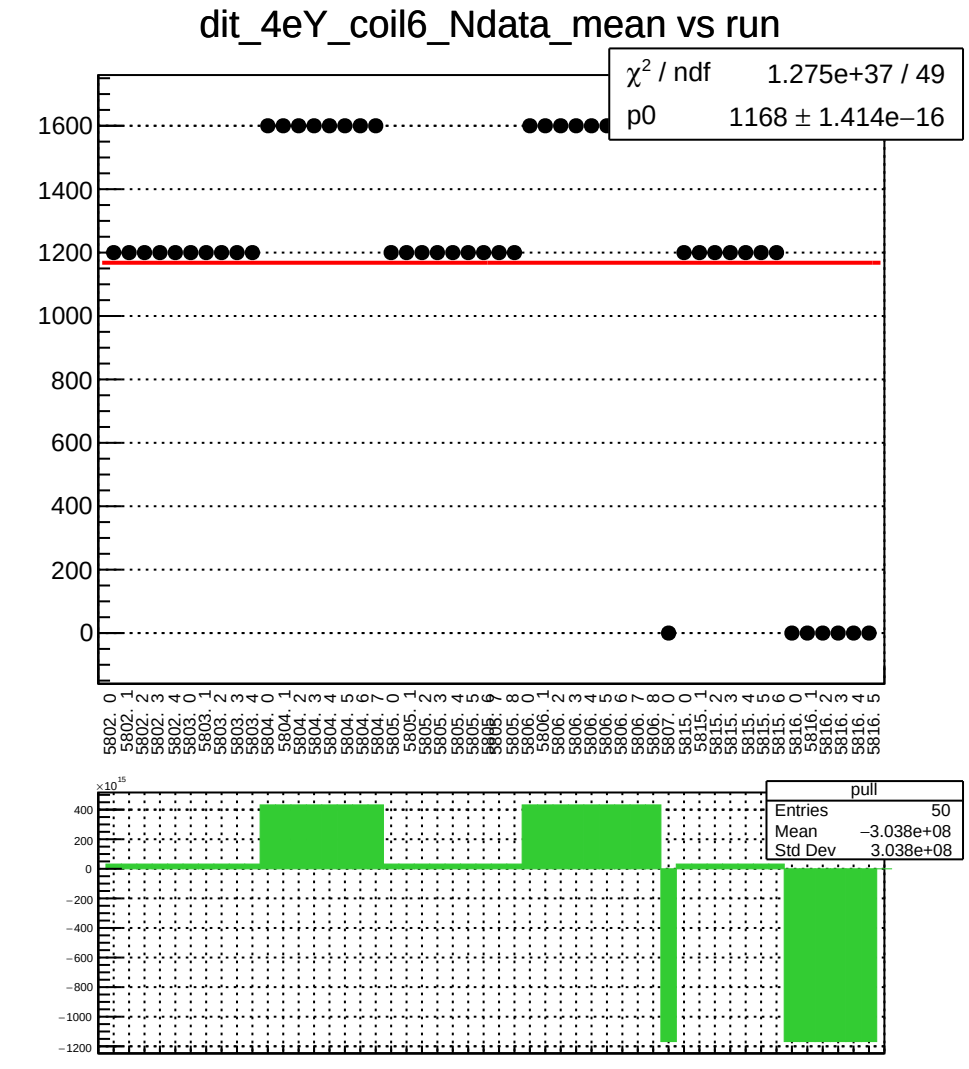

pull1D
Entries 50
Mean 0
Std Dev 0

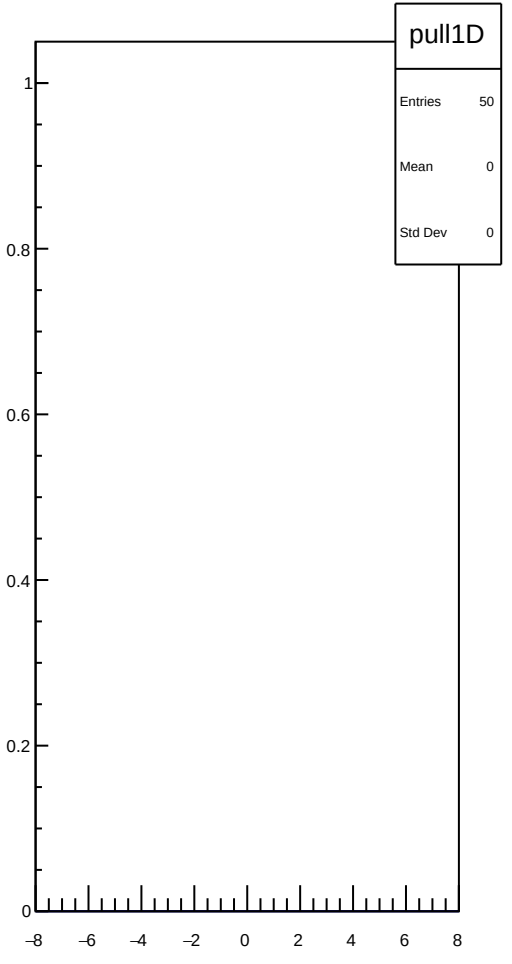

dit_4eY_coil6_mean vs run
χ² / ndf 9.894e+33 / 49
p0 34.28 ± 1.414e−16
pull
Entries 50
Mean −1.187e+09
Std Dev 1.187e+09

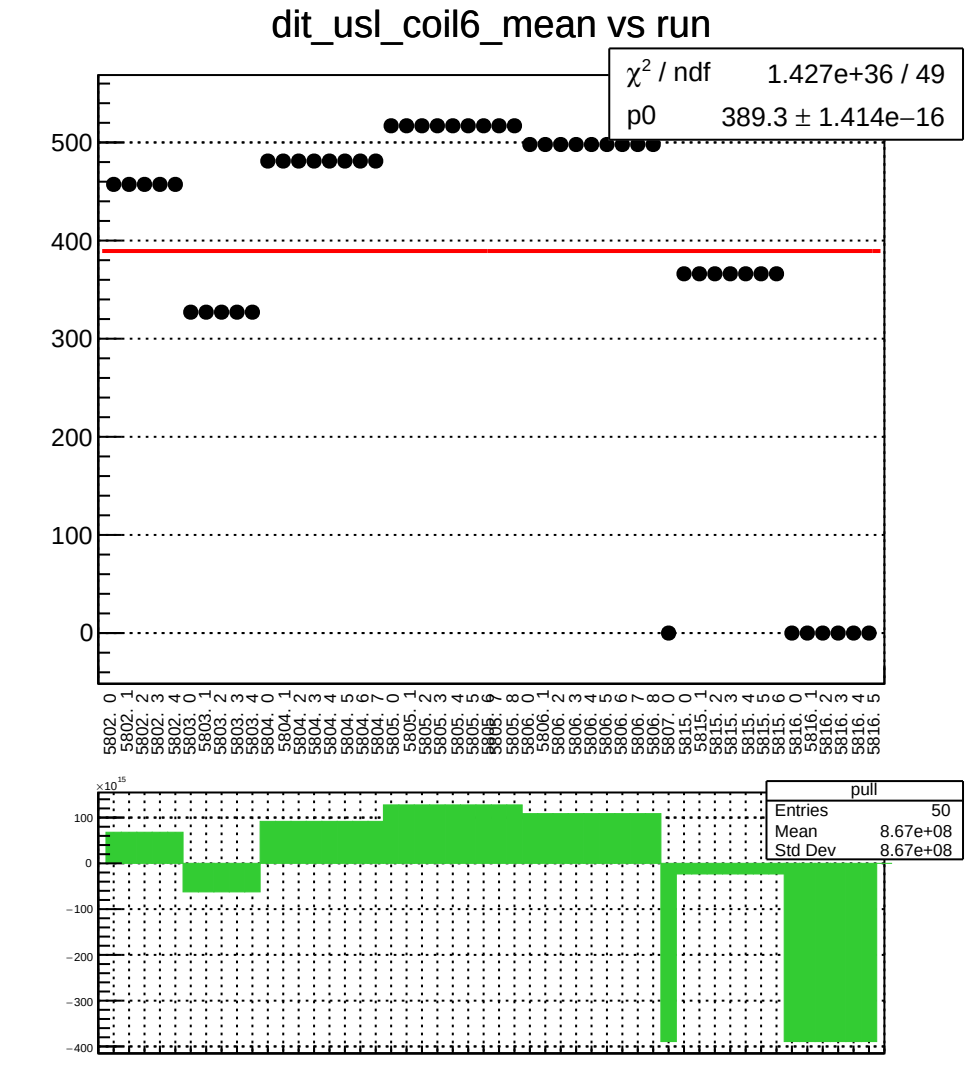

pull1D
Entries 50
Mean 0
Std Dev 0

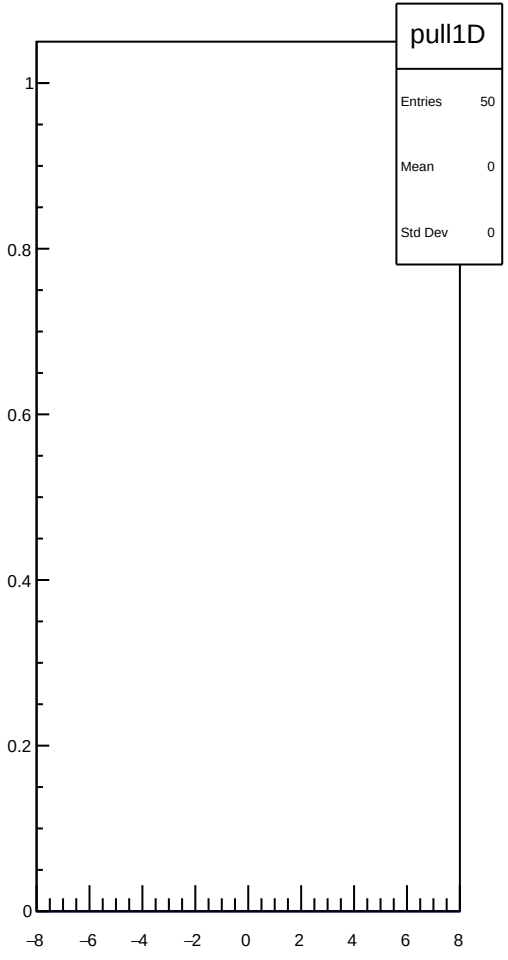

dit_4eY_coil6_err_mean vs run
χ² / ndf 6.26e+31 / 49
p0 1.099 ± 1.414e−16
pull
Entries 50
Mean 9.161e+08
Std Dev 9.161e+08

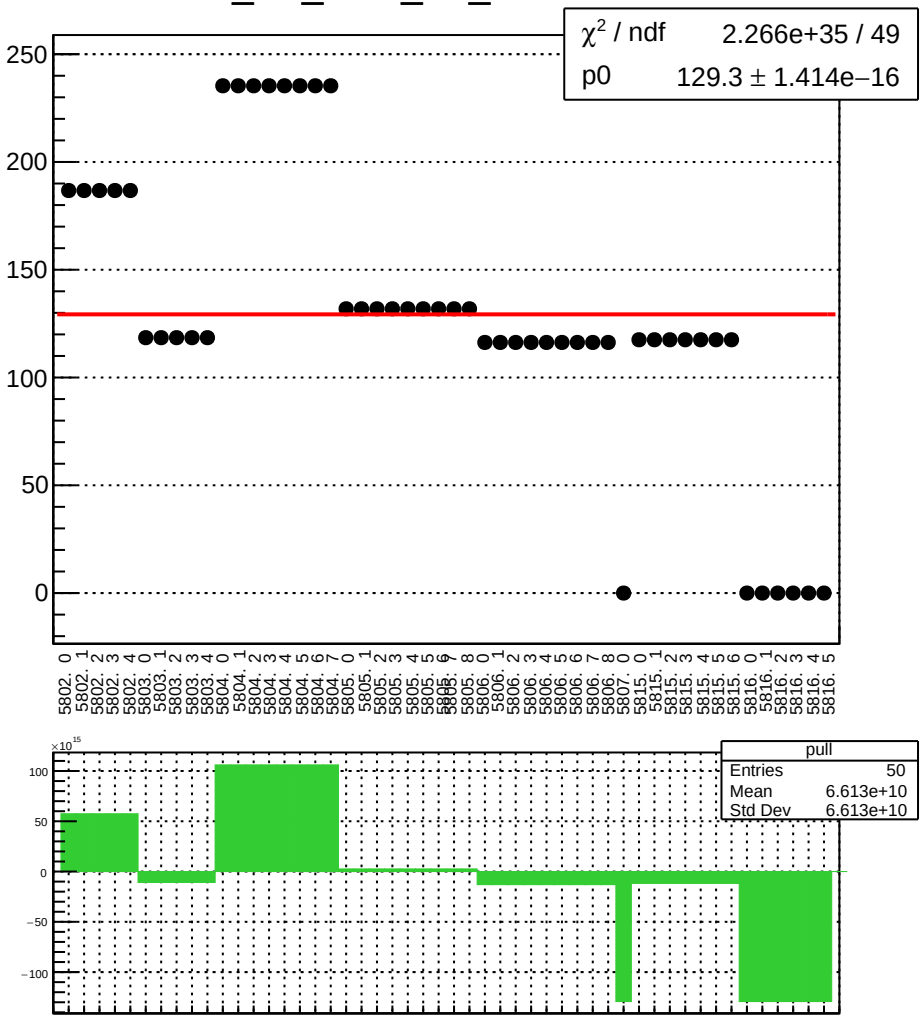

pull1D
Entries 50
Mean 0
Std Dev 0

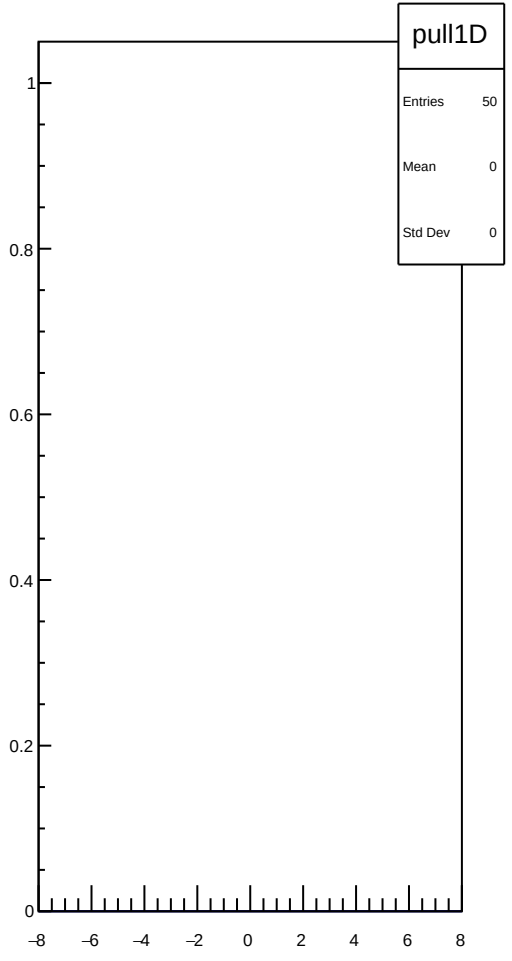

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08

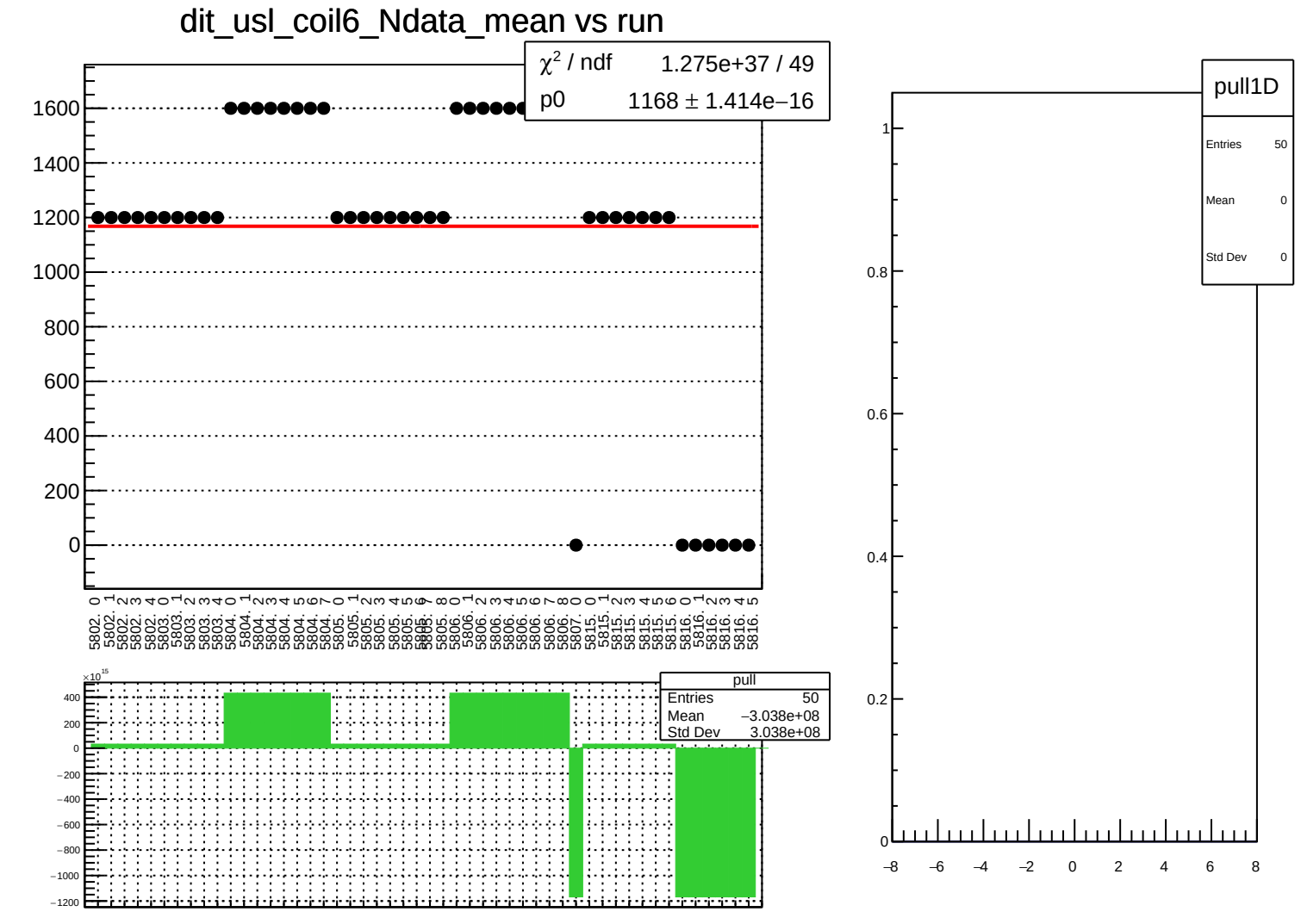

pull1D
Entries 50
Mean 0
Std Dev 0

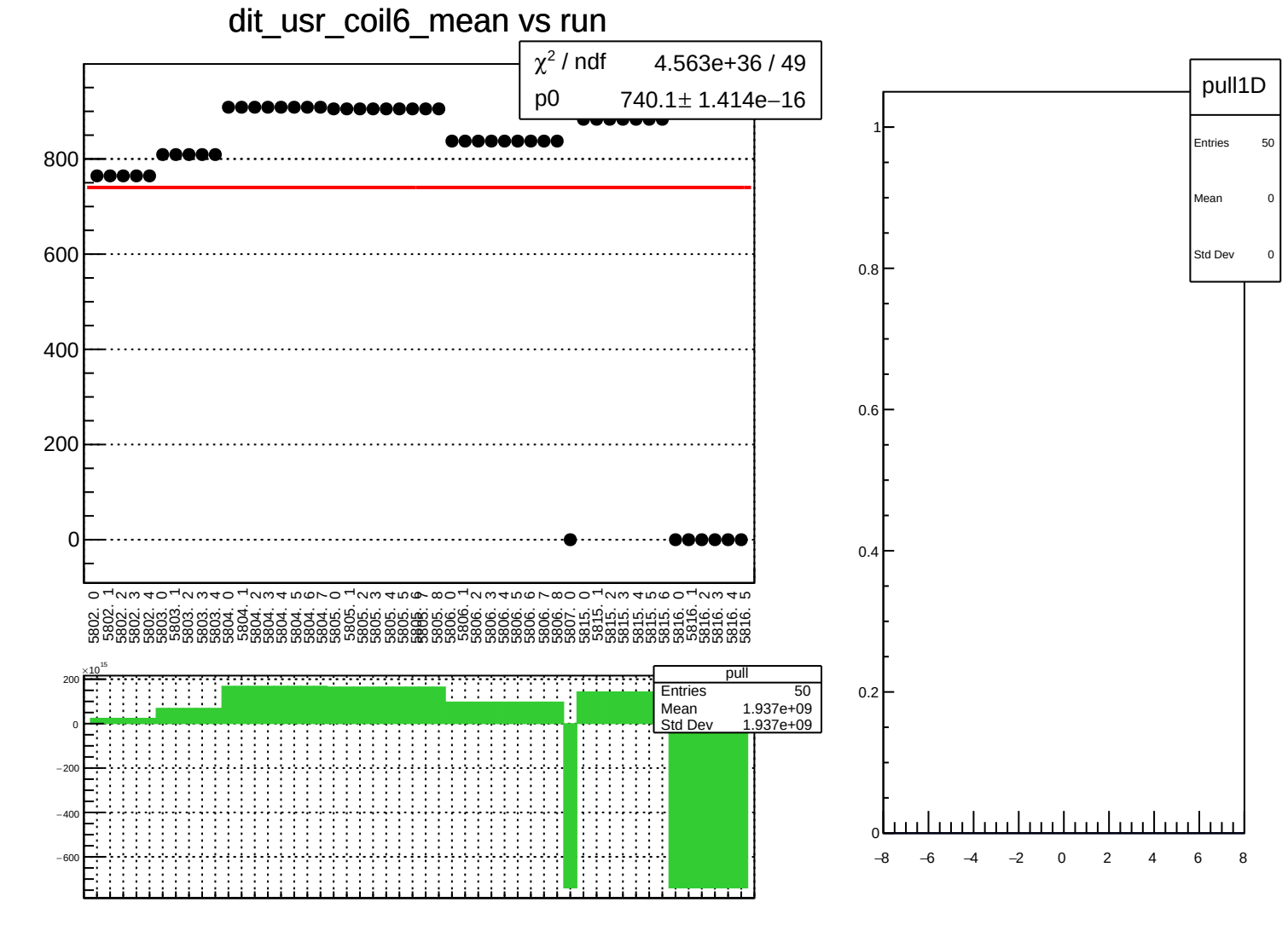

dit_usl_coil6_mean vs run
χ² / ndf 1.427e+36 / 49
p0 389.3 ± 1.414e−16
pull
Entries 50
Mean 8.67e+08
Std Dev 8.67e+08

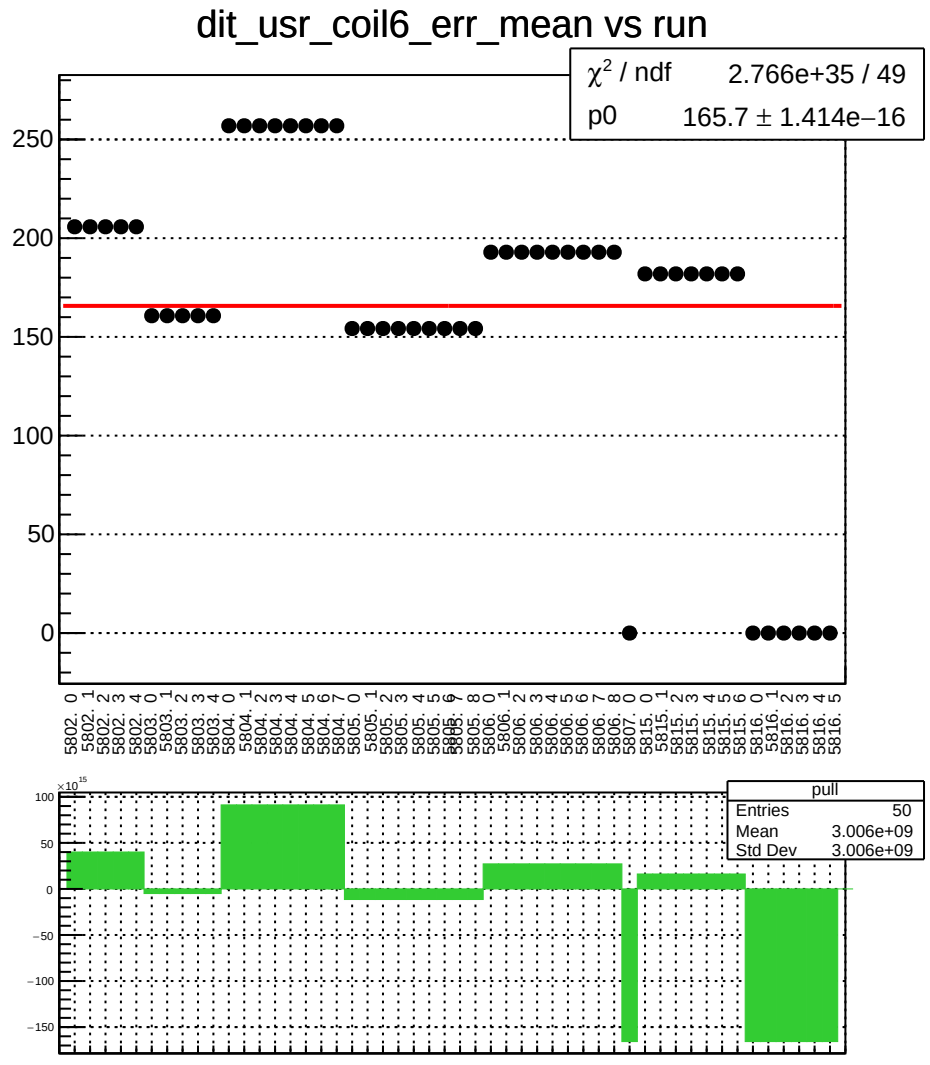

pull1D
Entries 50
Mean 0
Std Dev 0

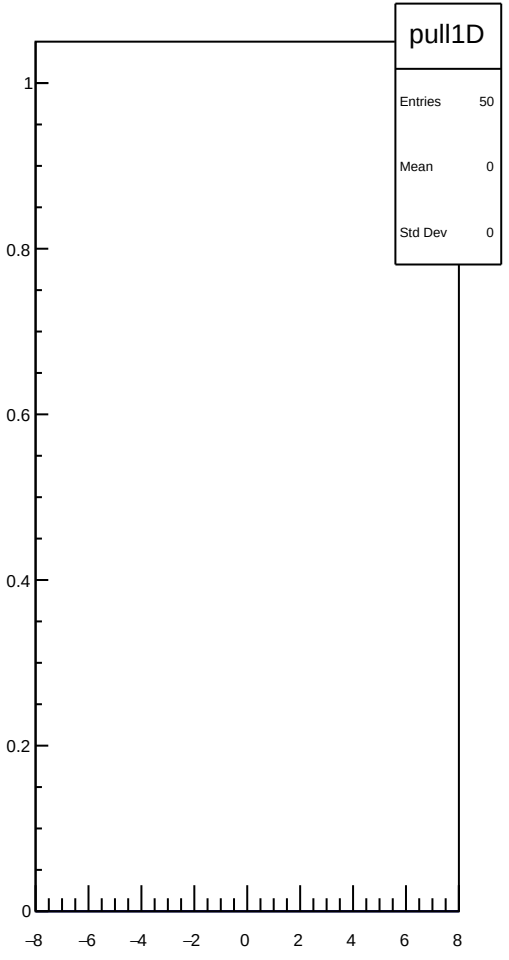

dit_usl_coil6_err_mean vs run
χ² / ndf 2.266e+35 / 49
p0 129.3 ± 1.414e−16
250
200
150
100
50
0
pull
Entries 50
Mean 6.613e+10
Std Dev 6.613e+10
×10¹⁵
100
50
0
−50
−100

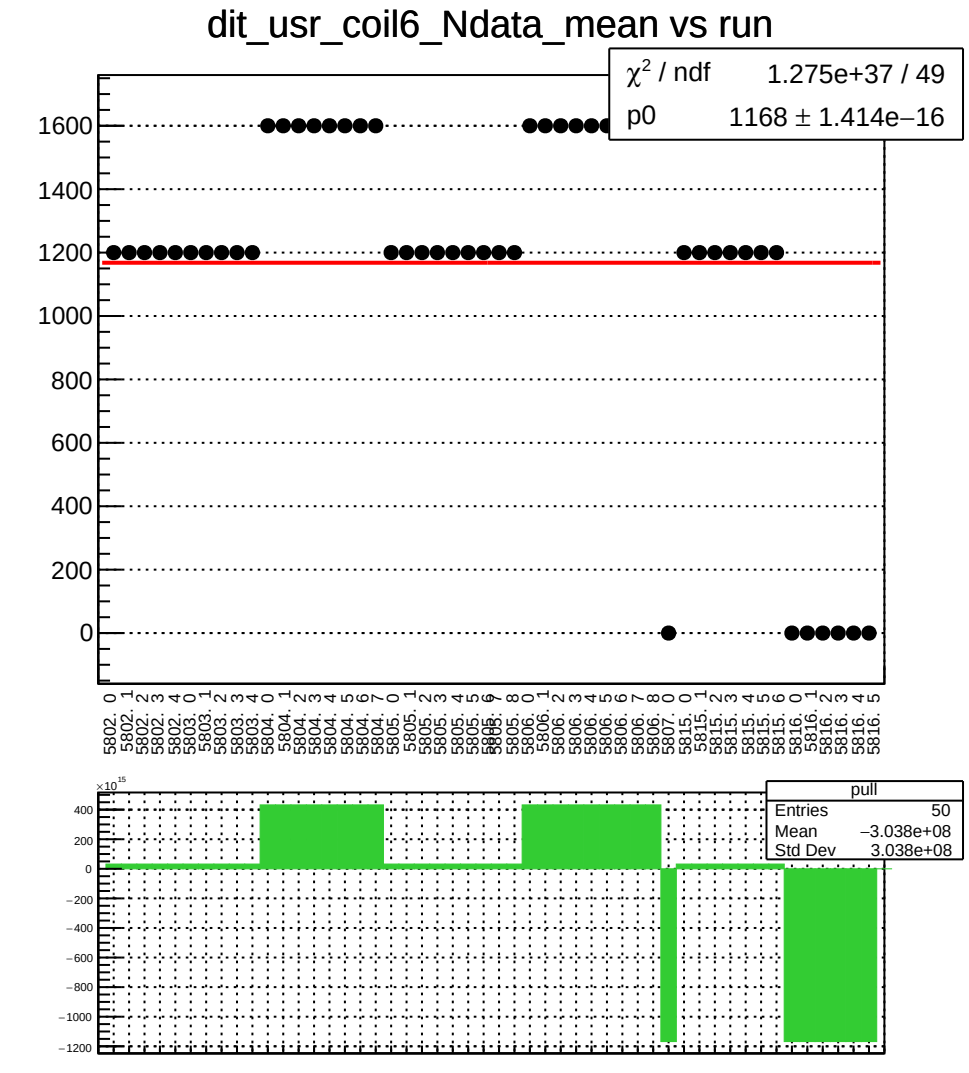

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil6_mean vs run
χ² / ndf 4.563e+36 / 49
p0 740.1± 1.414e−16
800
600
400
200
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
200
0
−200
−400
−600
pull
Entries 50
Mean 1.937e+09
Std Dev 1.937e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil6_err_mean vs run
χ² / ndf 2.766e+35 / 49
p0 165.7 ± 1.414e−16
250
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
100
50
0
−50
−100
−150
pull
Entries 50
Mean 3.006e+09
Std Dev 3.006e+09


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
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5805. 0
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5805. 4
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5806. 0
5806. 1
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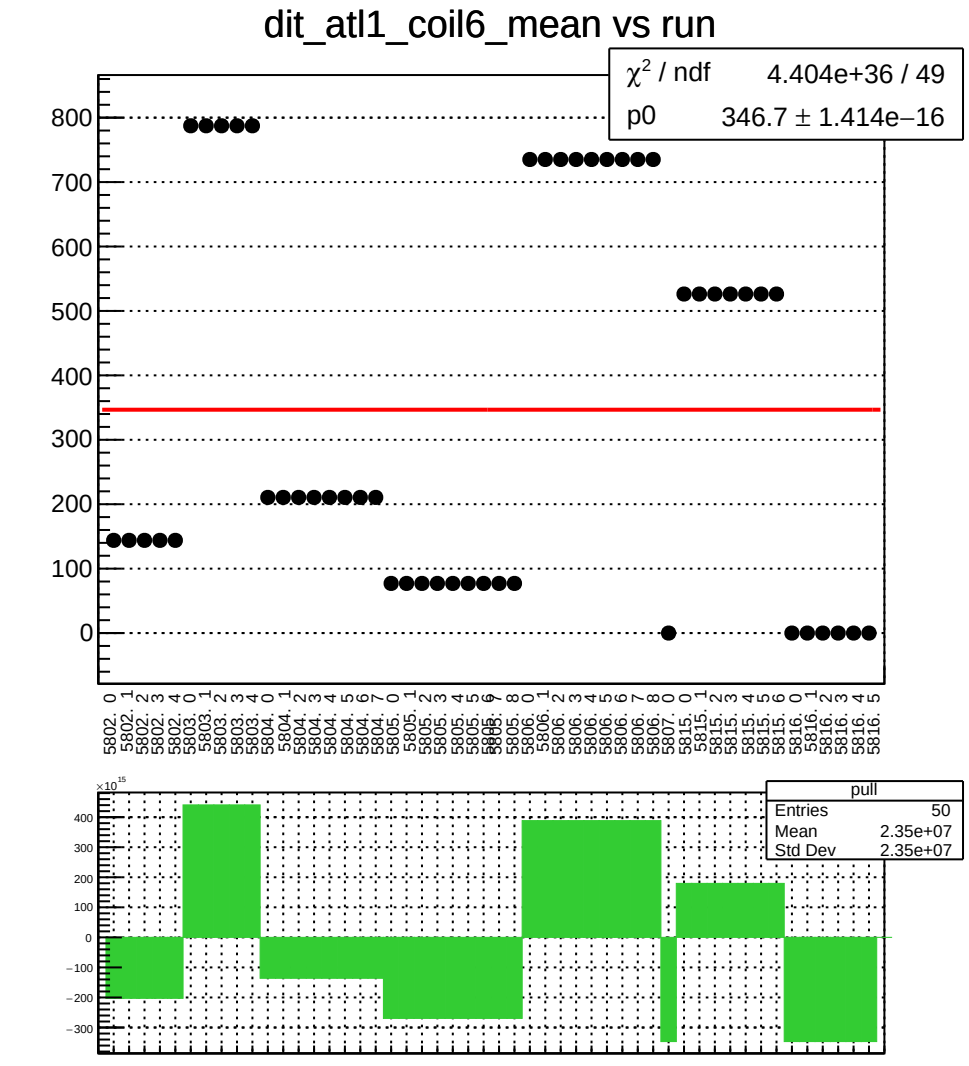
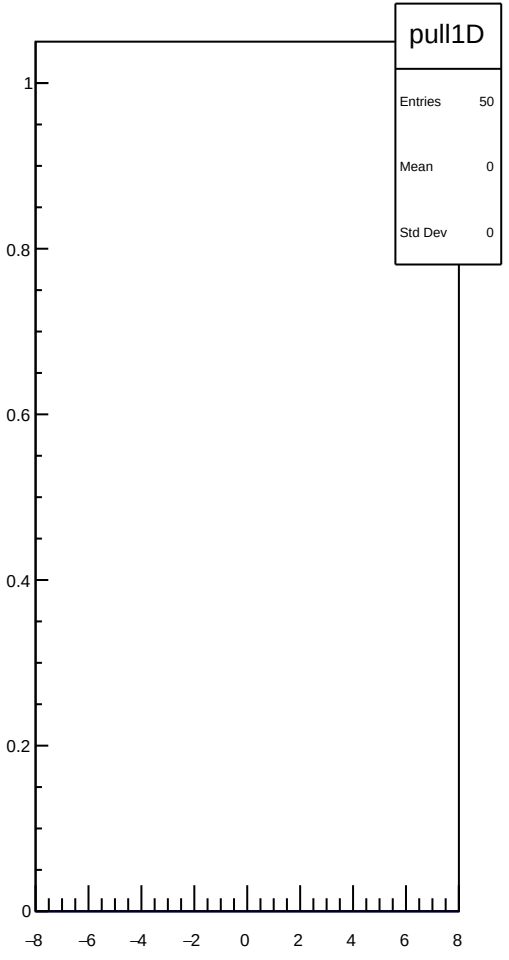
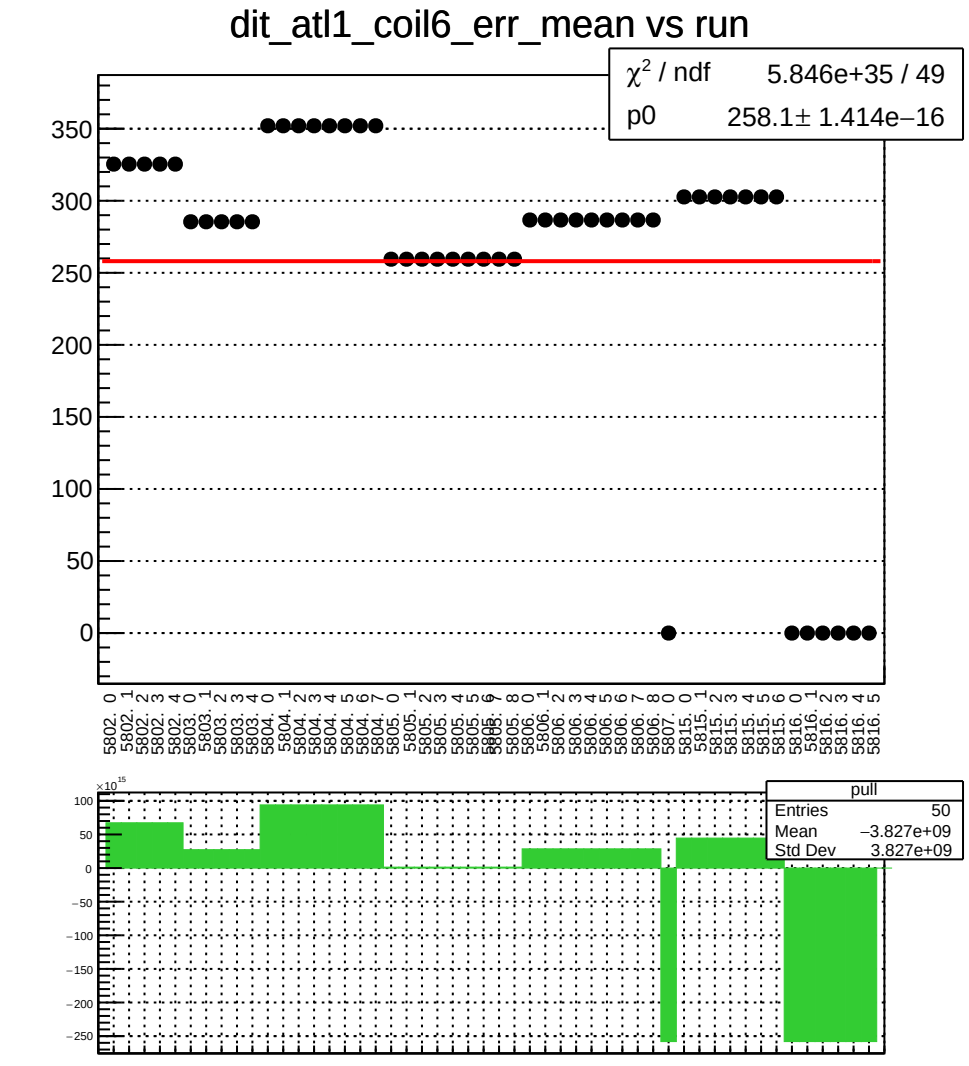
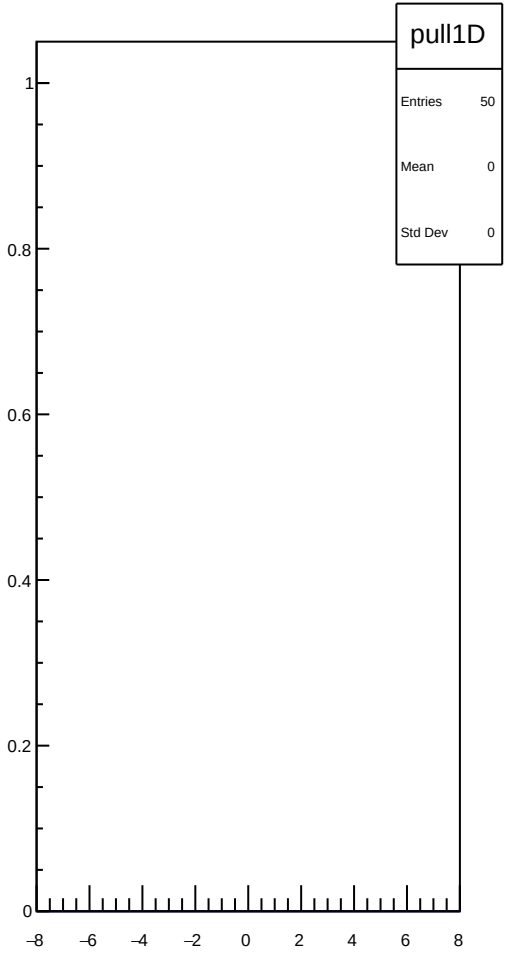
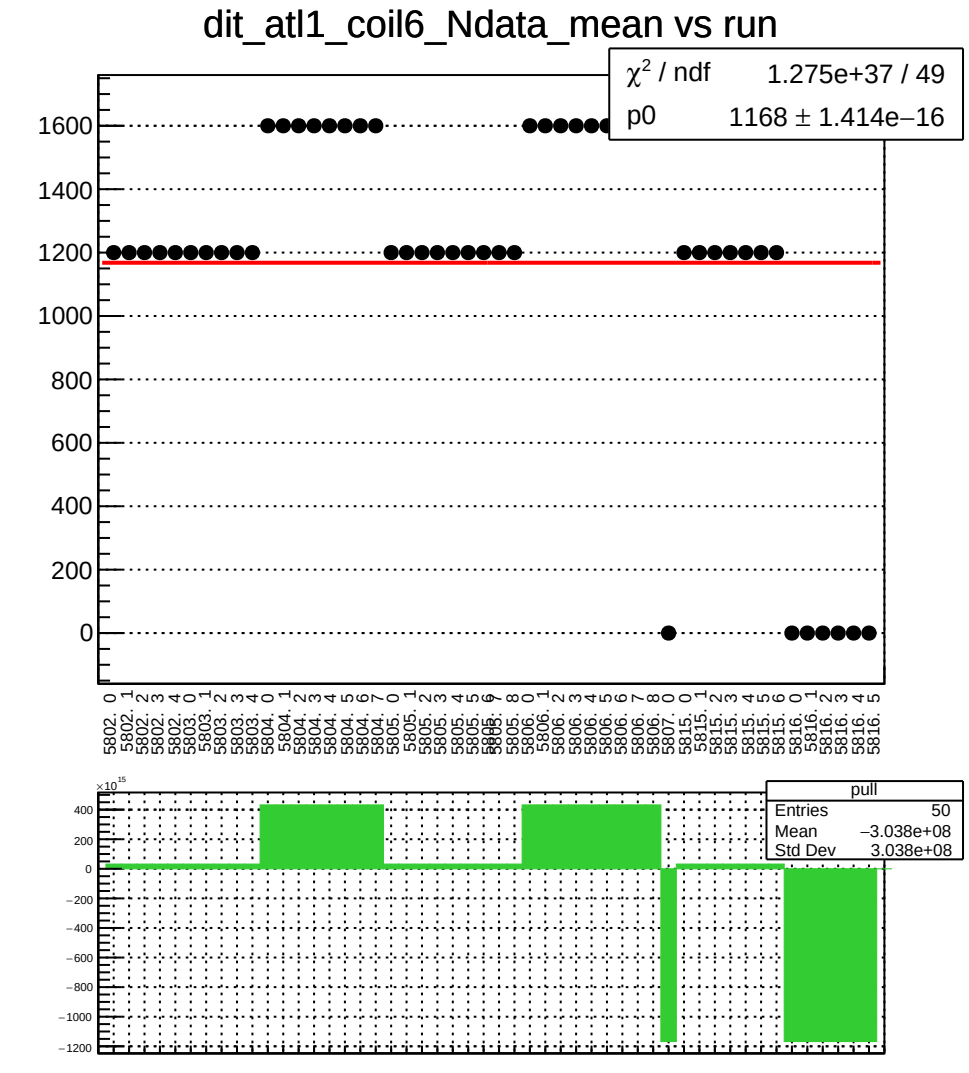
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

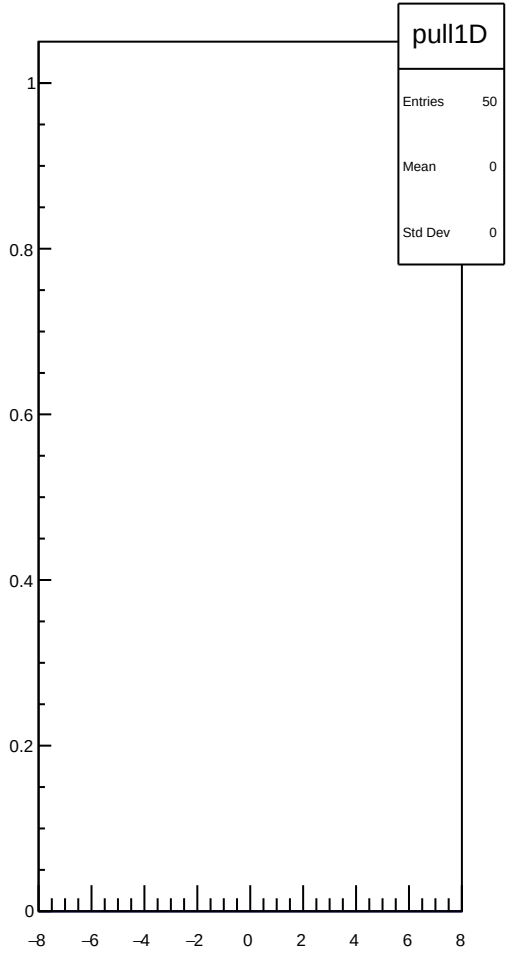

dit_atl1_coil6_mean vs run
χ² / ndf 4.404e+36 / 49
p0 346.7 ± 1.414e−16
pull
Entries 50
Mean 2.35e+07
Std Dev 2.35e+07

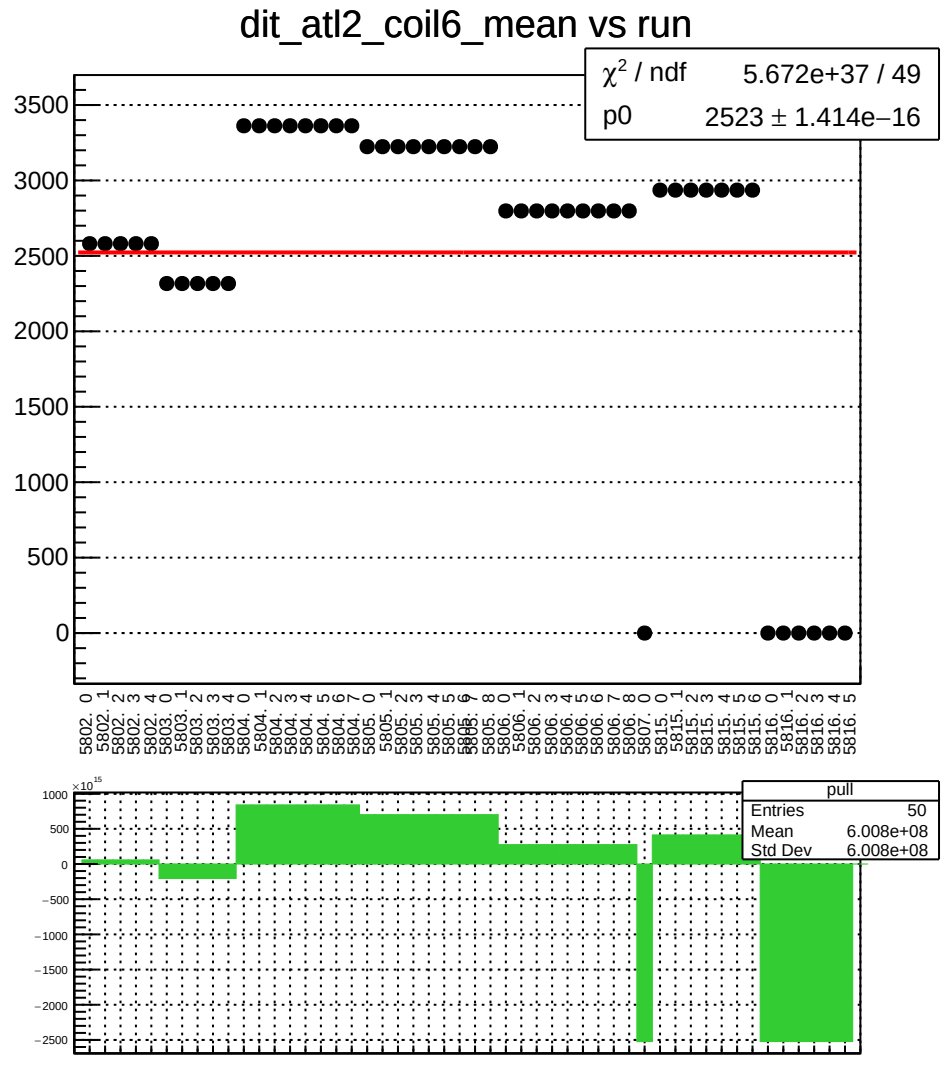

pull1D
Entries 50
Mean 0
Std Dev 0

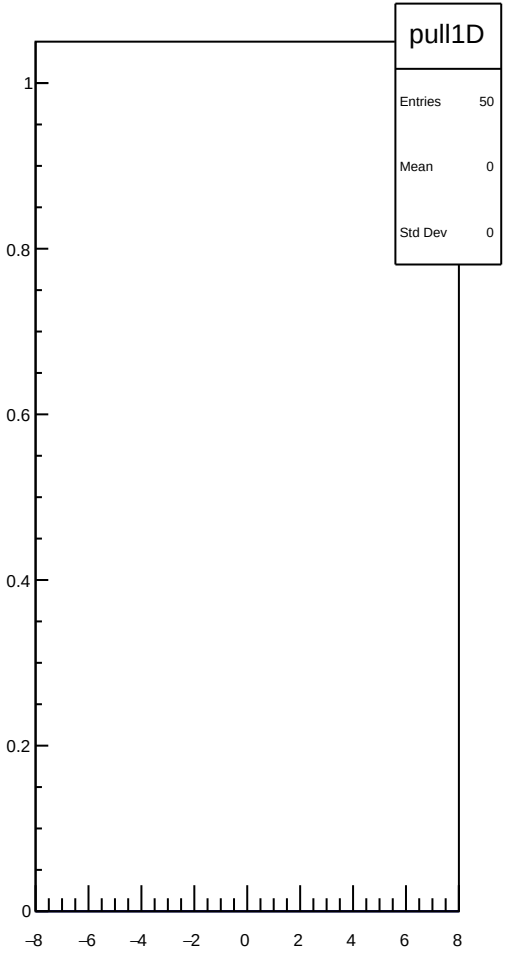

dit_atl1_coil6_err_mean vs run
χ² / ndf 5.846e+35 / 49
p0 258.1± 1.414e−16
pull
Entries 50
Mean −3.827e+09
Std Dev 3.827e+09

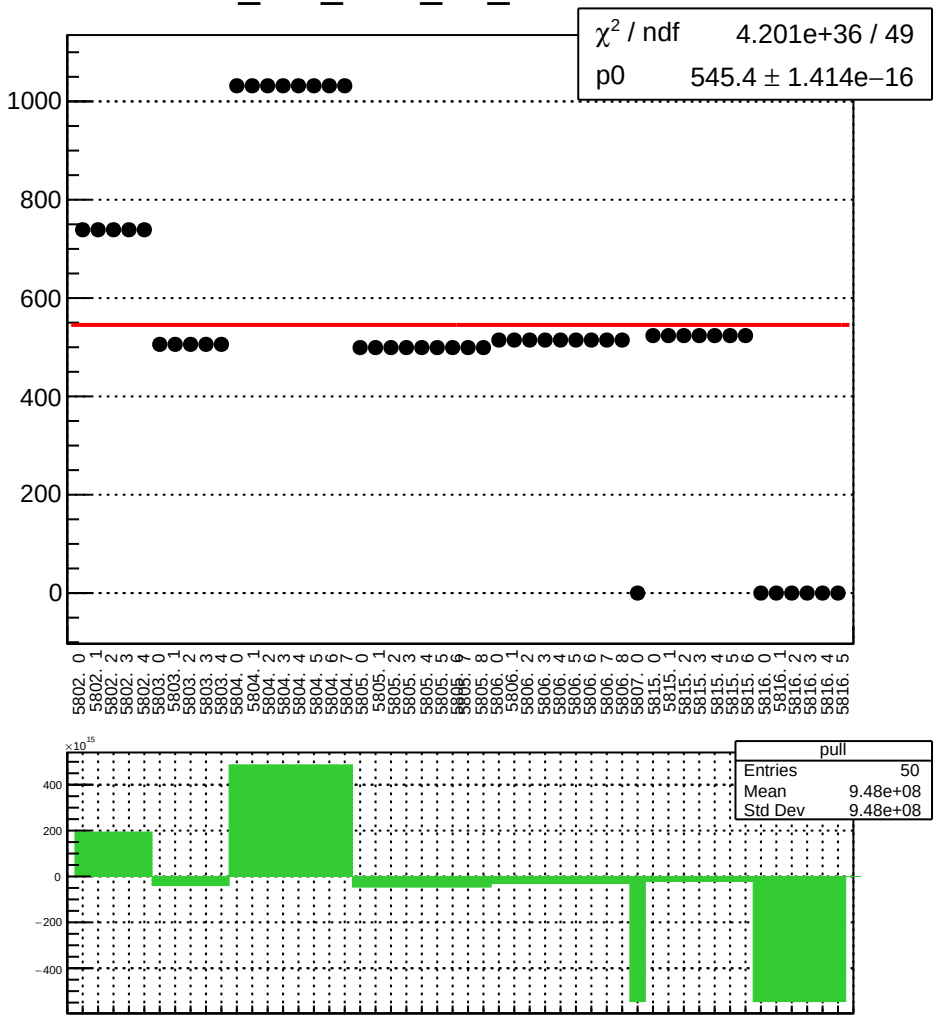

pull1D
Entries 50
Mean 0
Std Dev 0

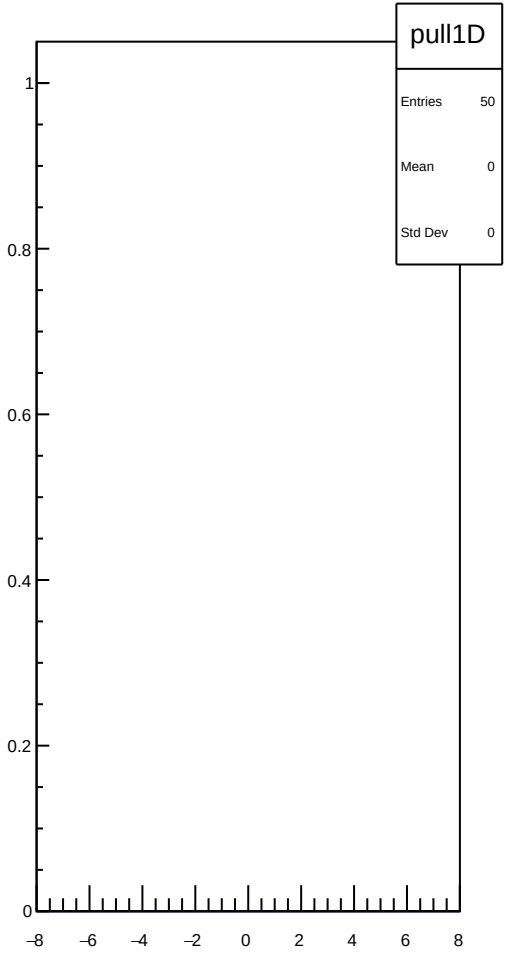

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08

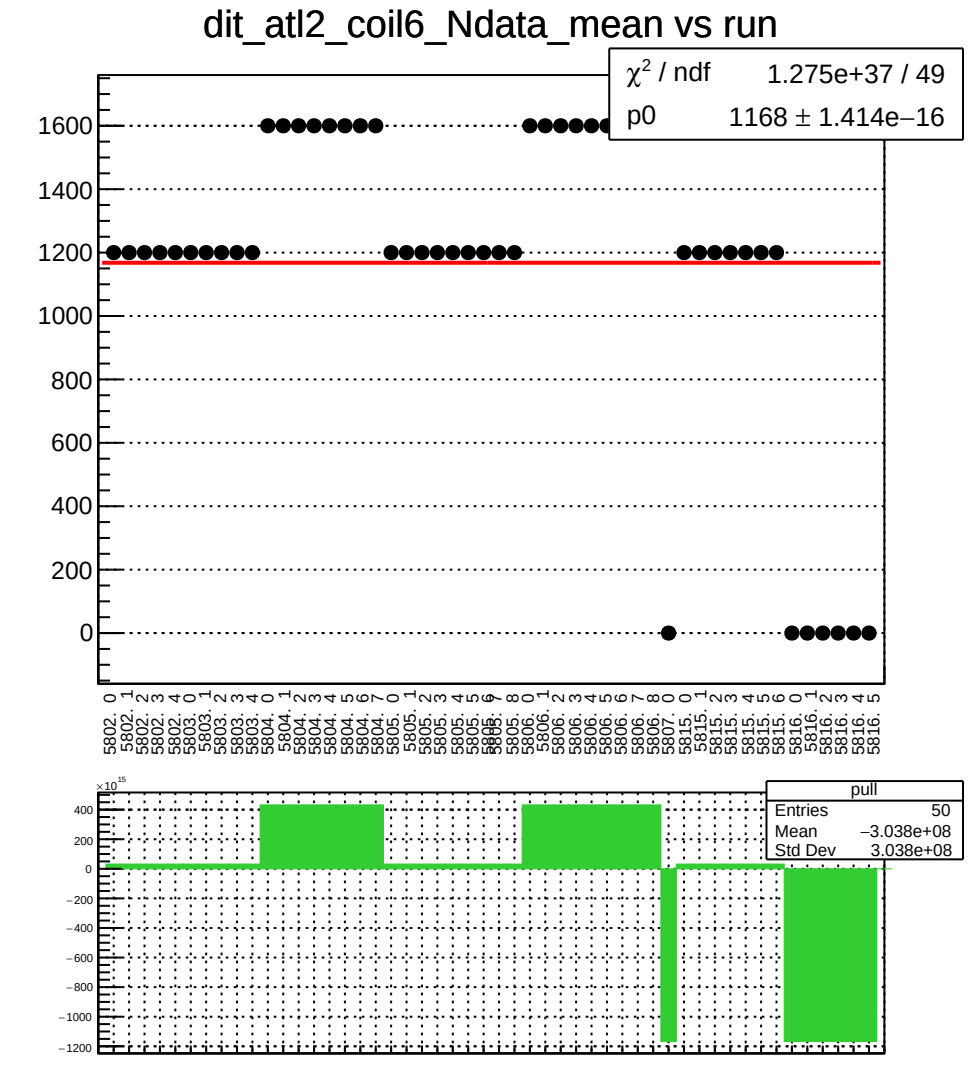

pull1D
Entries 50
Mean 0
Std Dev 0

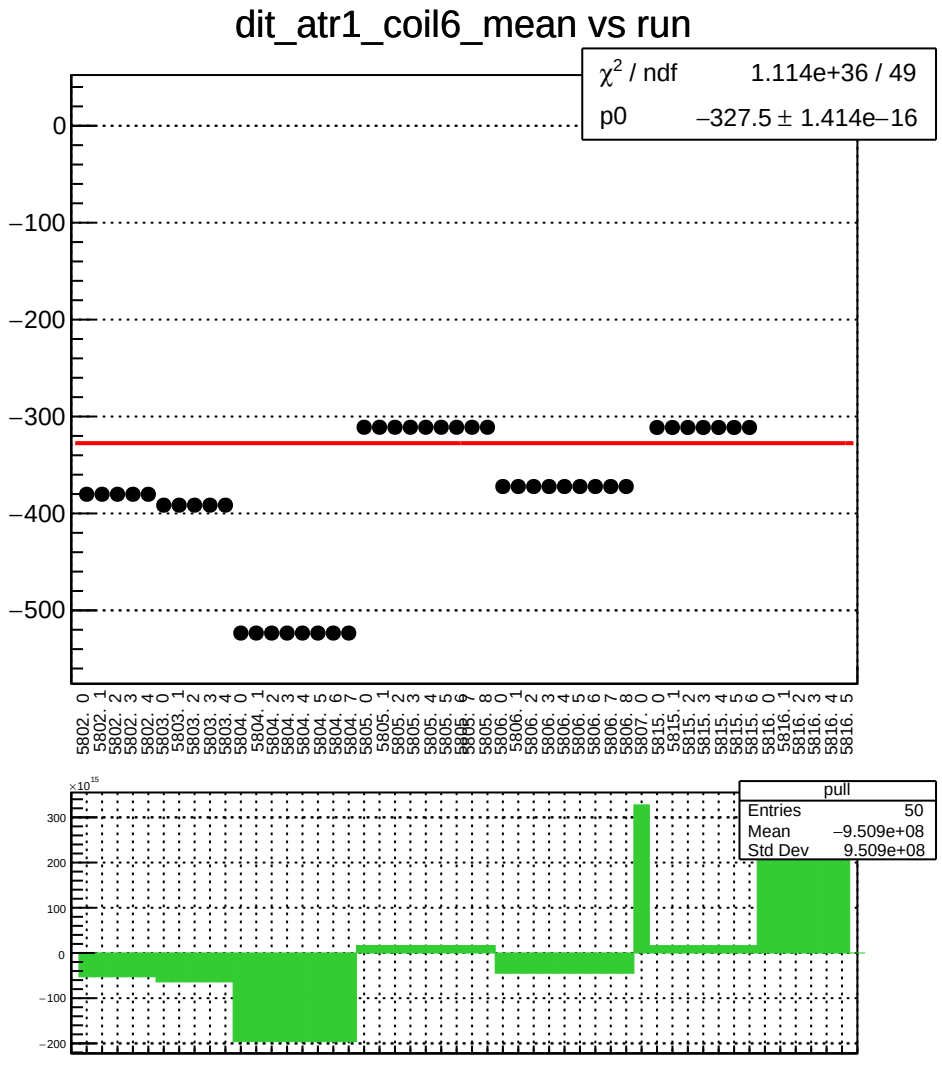

dit_atl2_coil6_mean vs run
χ² / ndf 5.672e+37 / 49
p0 2523 ± 1.414e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 50
Mean 6.008e+08
Std Dev 6.008e+08
1000
500
0
−500
−1000
−1500
−2000
−2500

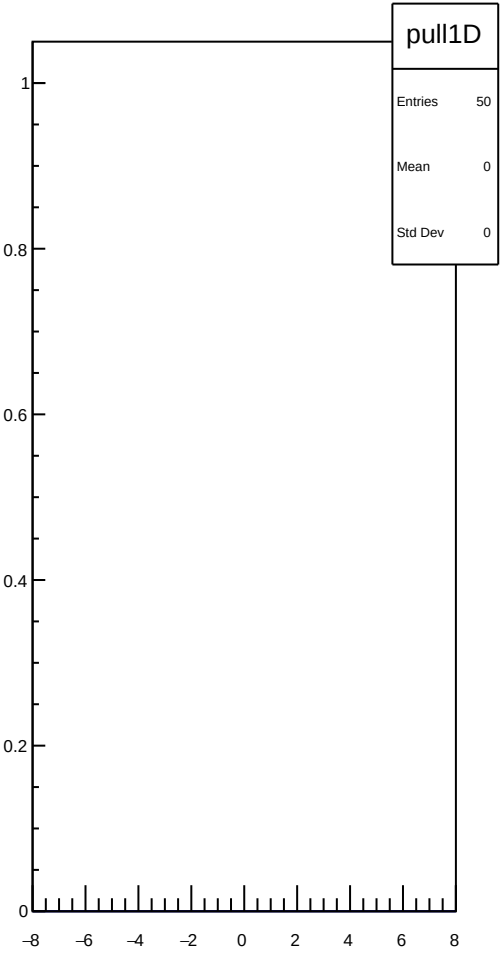

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

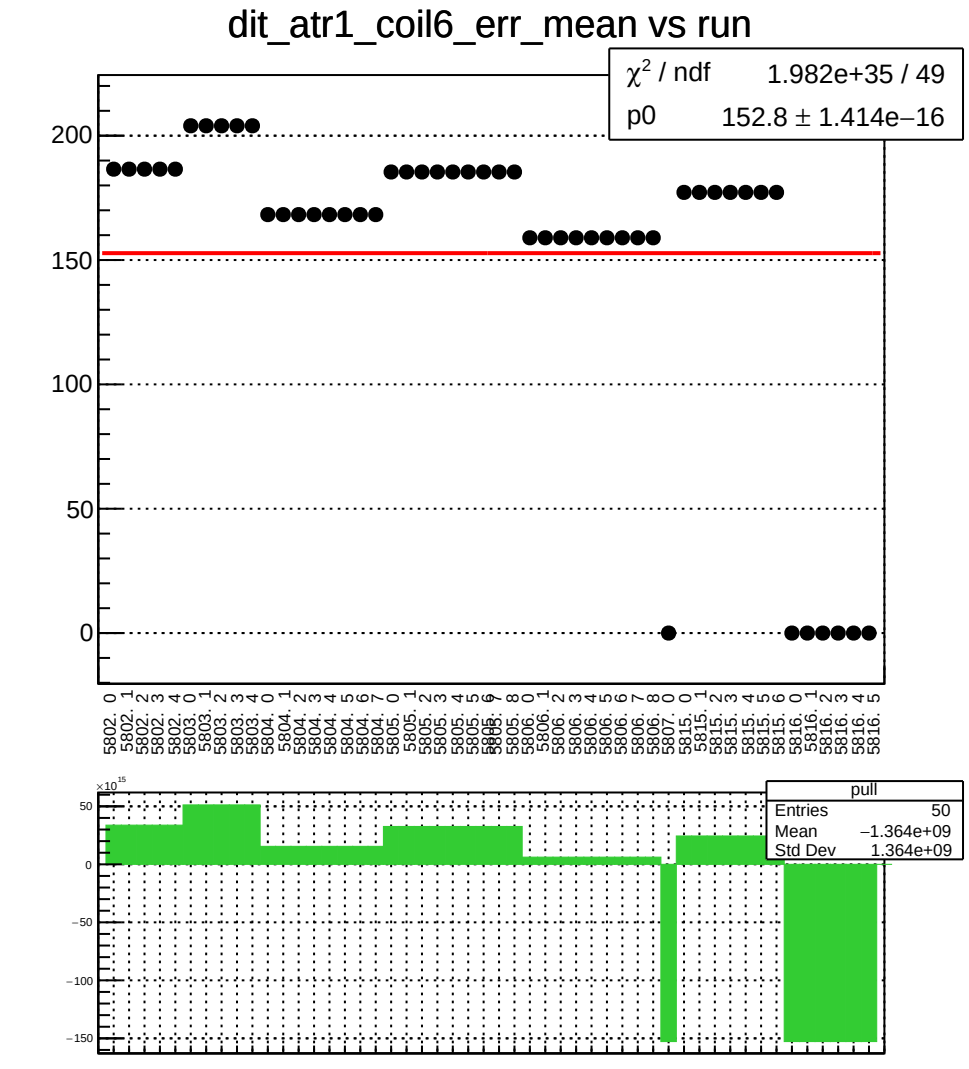

dit_atl2_coil6_err_mean vs run
χ² / ndf 4.201e+36 / 49
p0 545.4 ± 1.414e−16
1000
800
600
400
200
0
pull
Entries 50
Mean 9.48e+08
Std Dev 9.48e+08
×10¹⁵
400
200
0
−200
−400

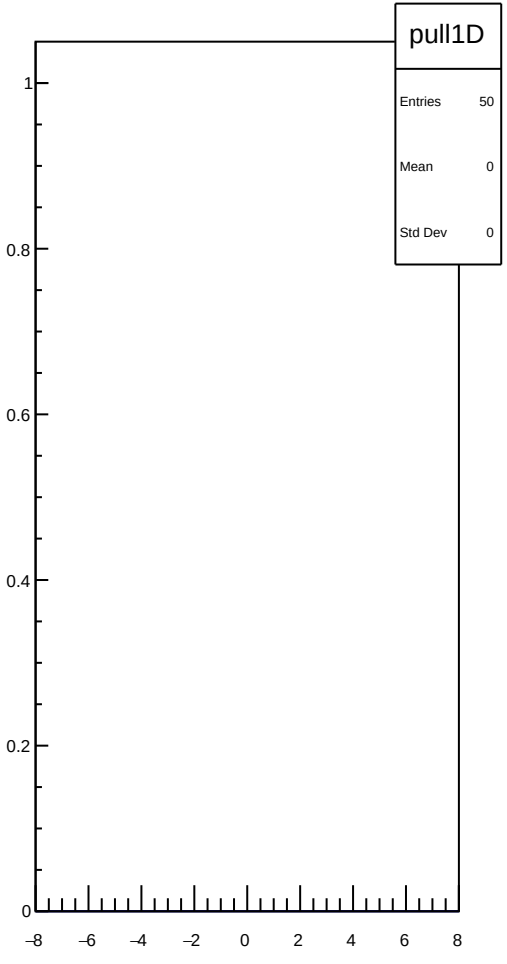

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil6_mean vs run
χ² / ndf 1.114e+36 / 49
p0 −327.5 ± 1.414e−16
0
−100
−200
−300
−400
−500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
300
200
100
0
−100
−200
pull
Entries 50
Mean −9.509e+08
Std Dev 9.509e+08


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil6_err_mean vs run
χ² / ndf 1.982e+35 / 49
p0 152.8 ± 1.414e−16
200
150
100
50
0
pull
Entries 50
Mean −1.364e+09
Std Dev 1.364e+09
×10¹⁵
50
0
−50
−100
−150


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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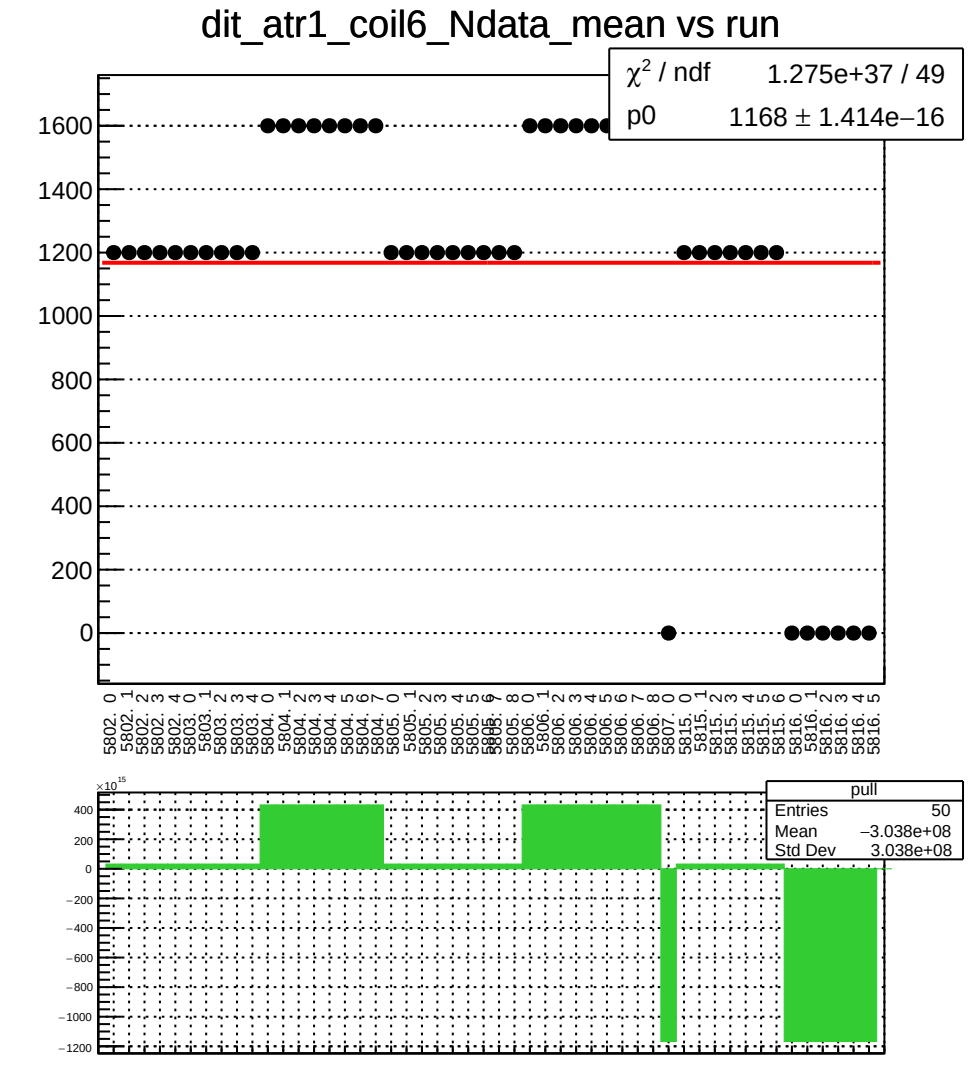
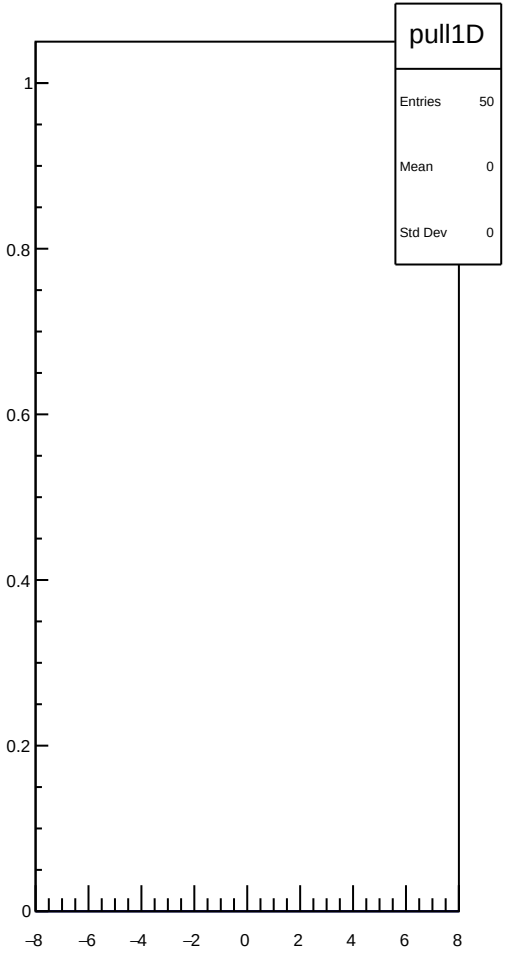
2
4
6
8


dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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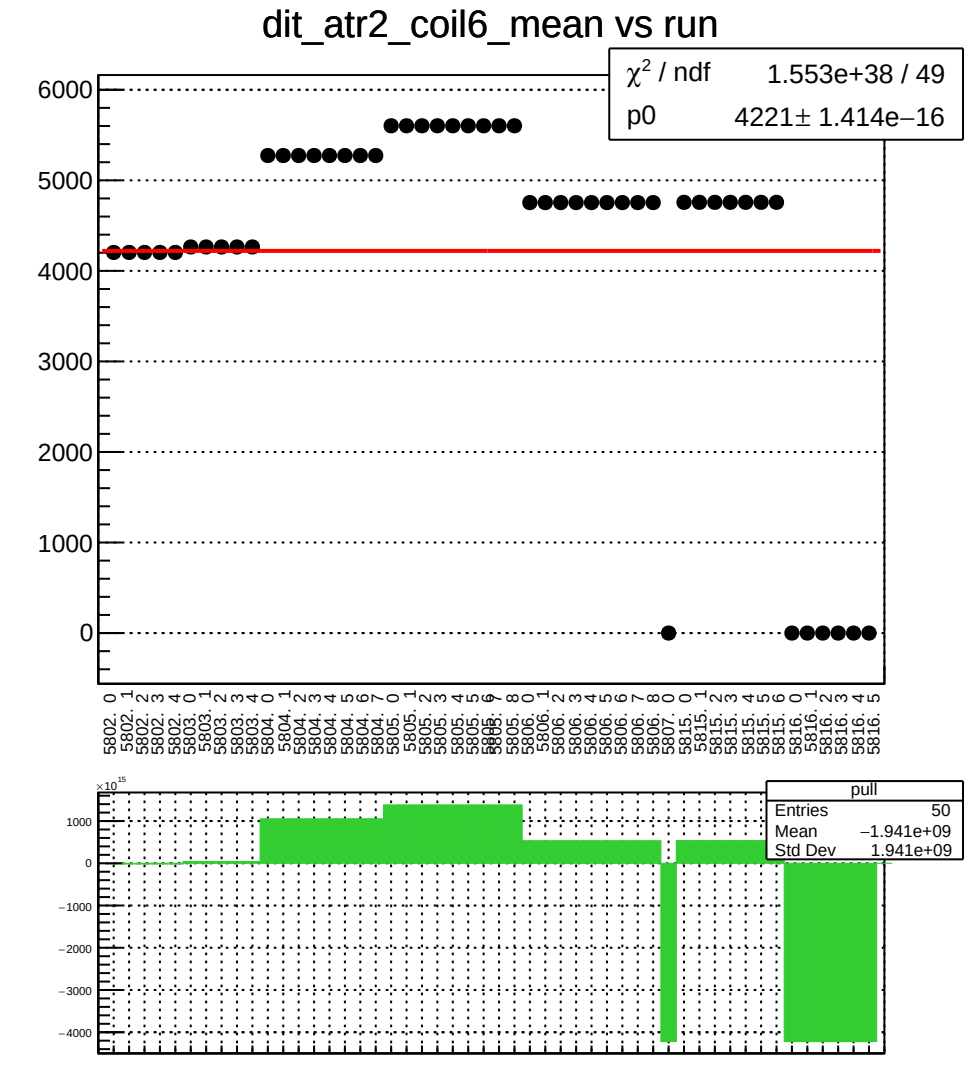
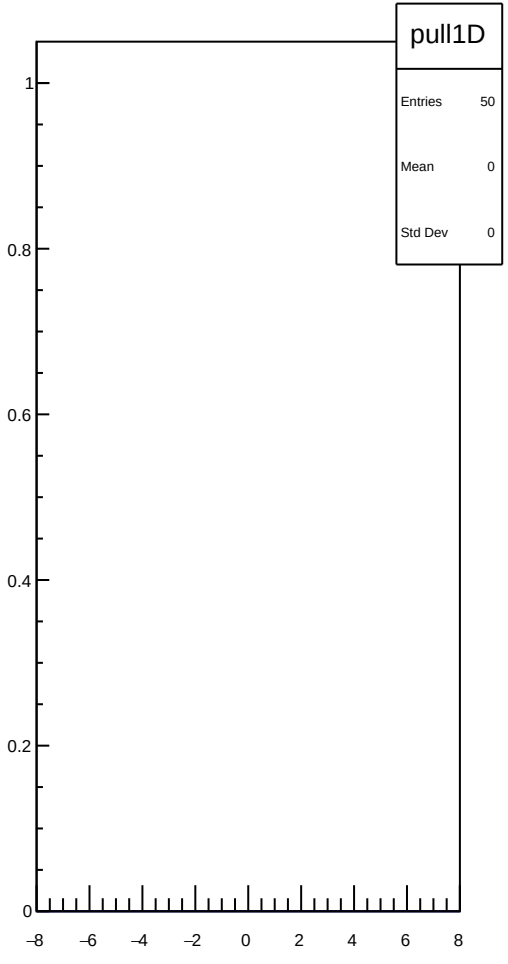
2
4
6
8


dit_atr2_coil6_mean vs run
χ² / ndf 1.553e+38 / 49
p0 4221± 1.414e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 50
Mean −1.941e+09
Std Dev 1.941e+09
×10¹⁵
1000
0
−1000
−2000
−3000
−4000


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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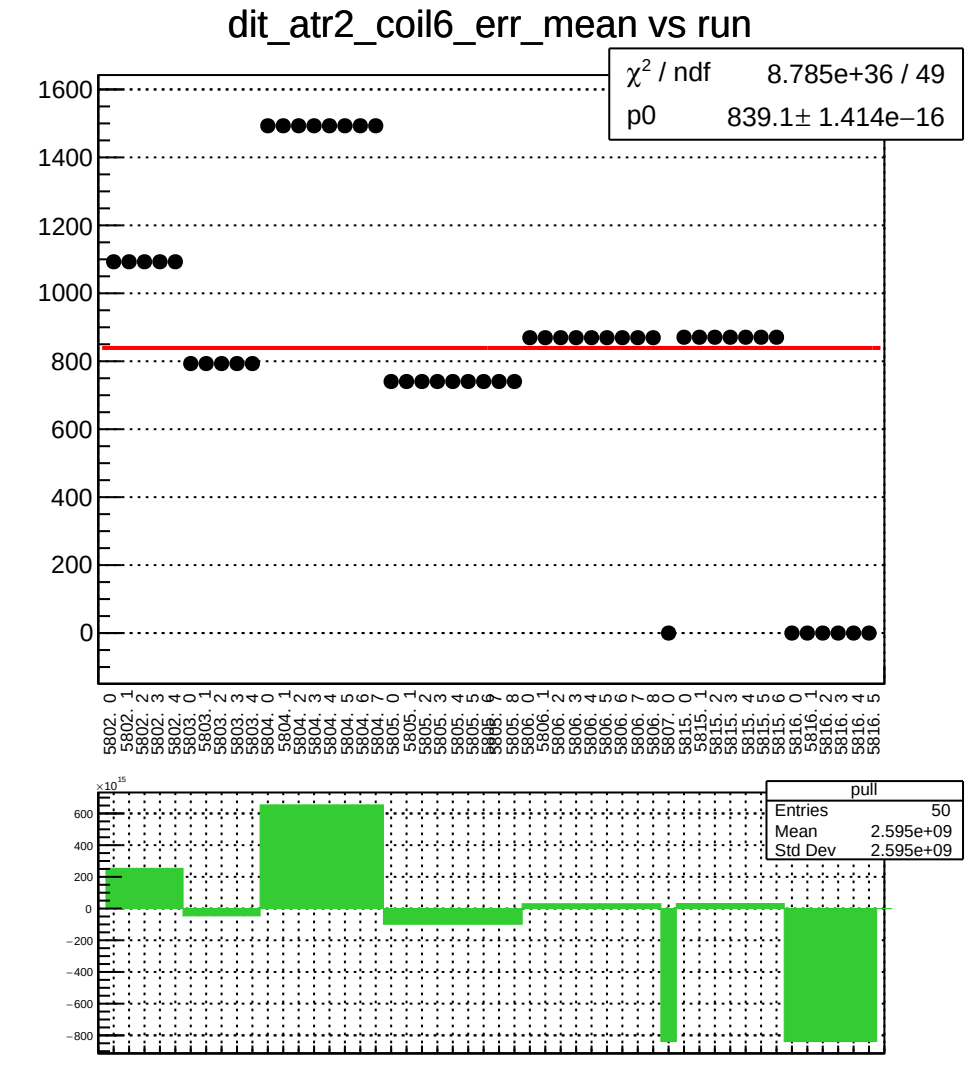
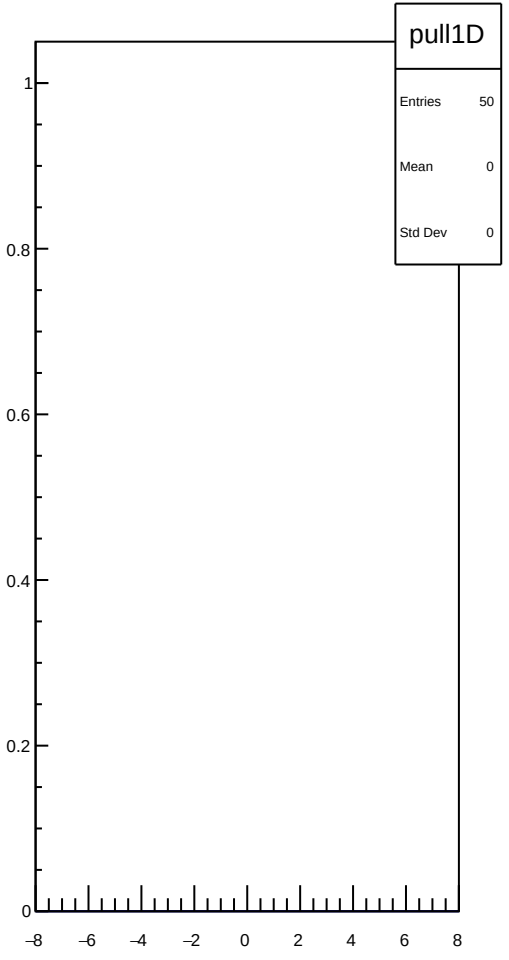
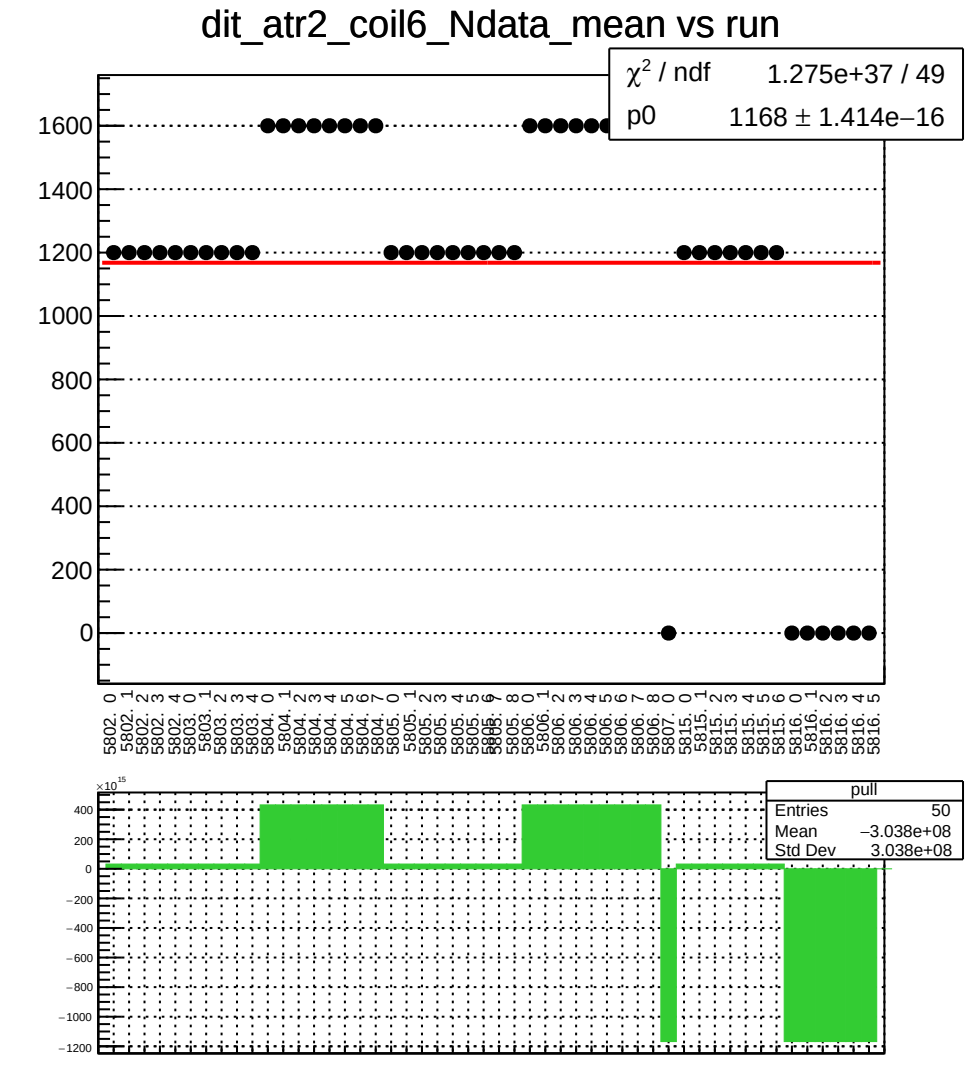
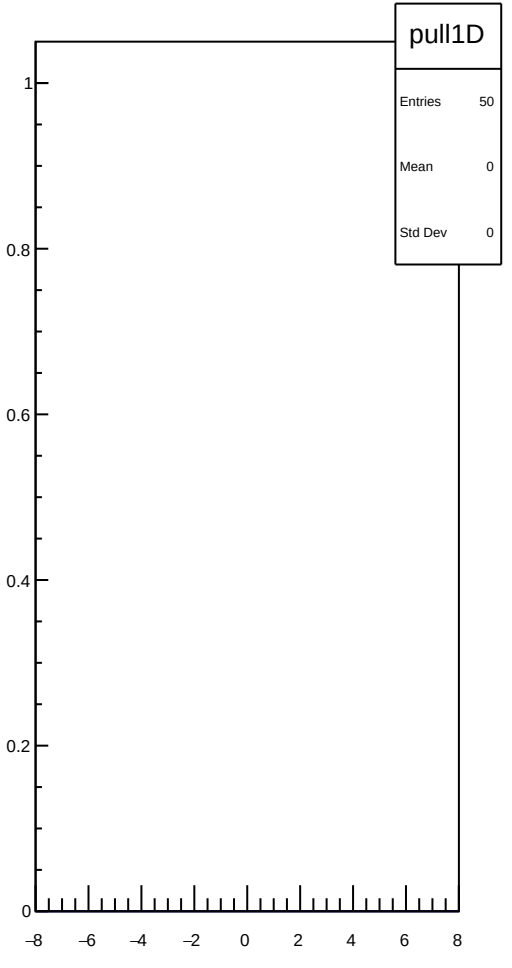
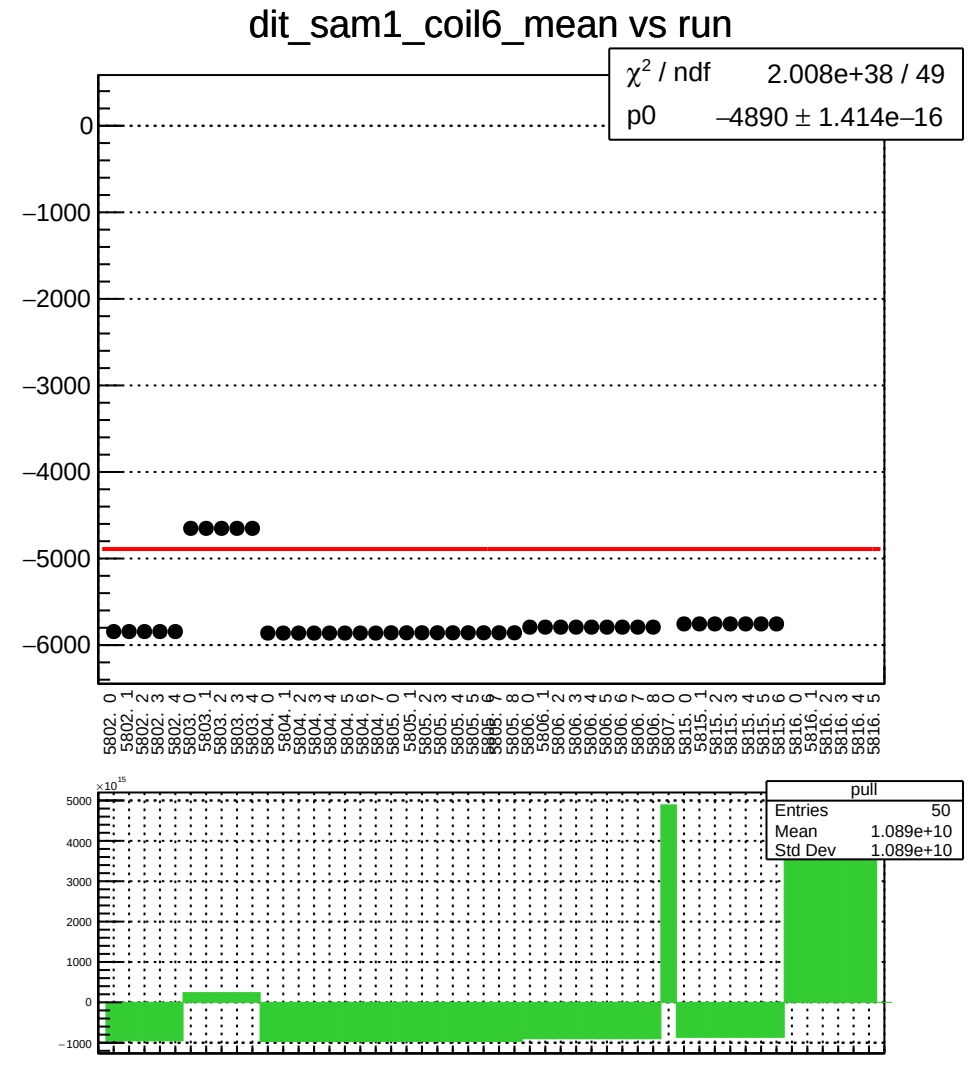
2
4
6
8


dit_atr2_coil6_err_mean vs run
χ² / ndf 8.785e+36 / 49
p0 839.1± 1.414e−16
pull
Entries 50
Mean 2.595e+09
Std Dev 2.595e+09


pull1D
Entries 50
Mean 0
Std Dev 0


dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam1_coil6_mean vs run
χ² / ndf 2.008e+38 / 49
p0 −4890 ± 1.414e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
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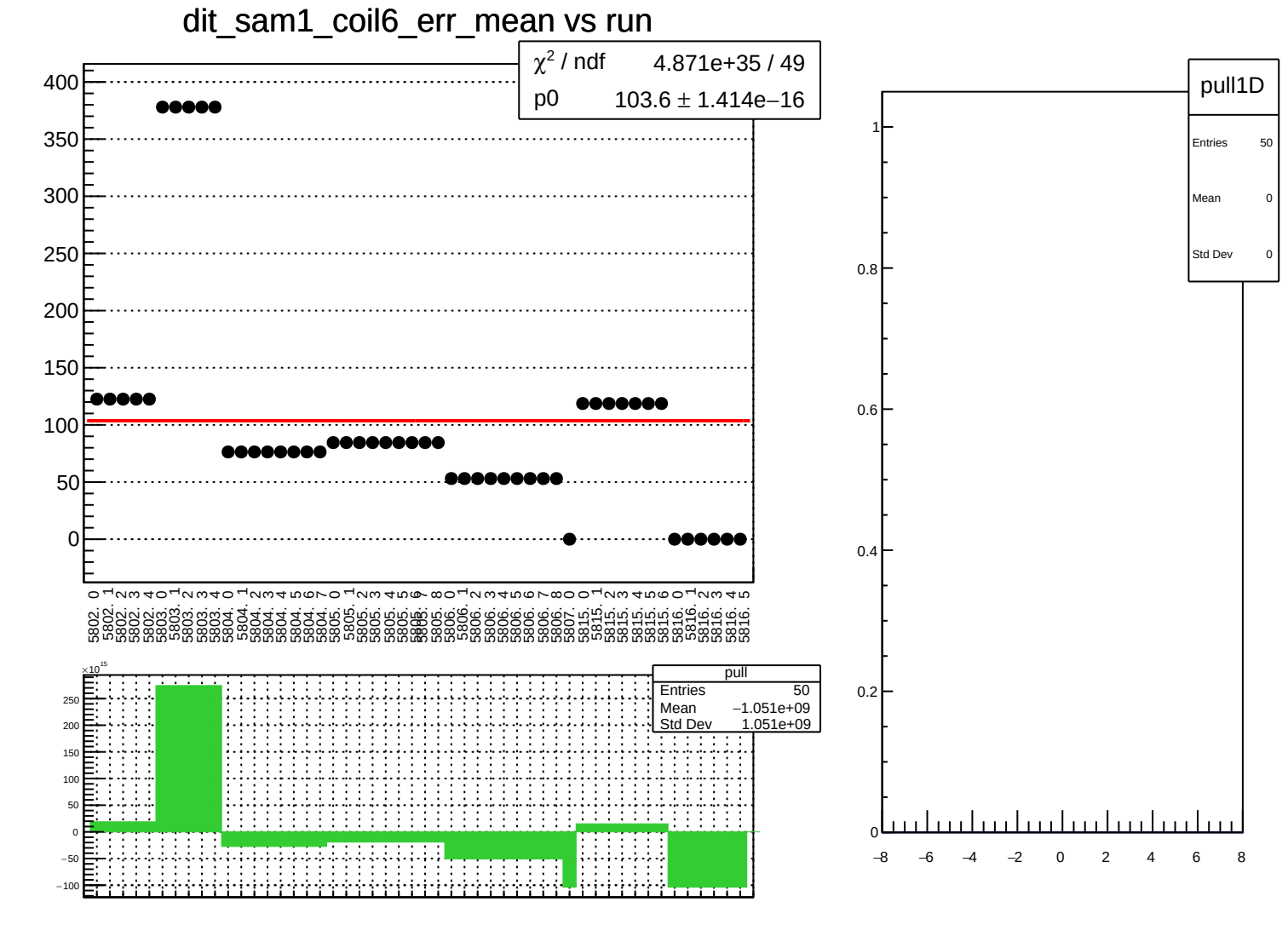
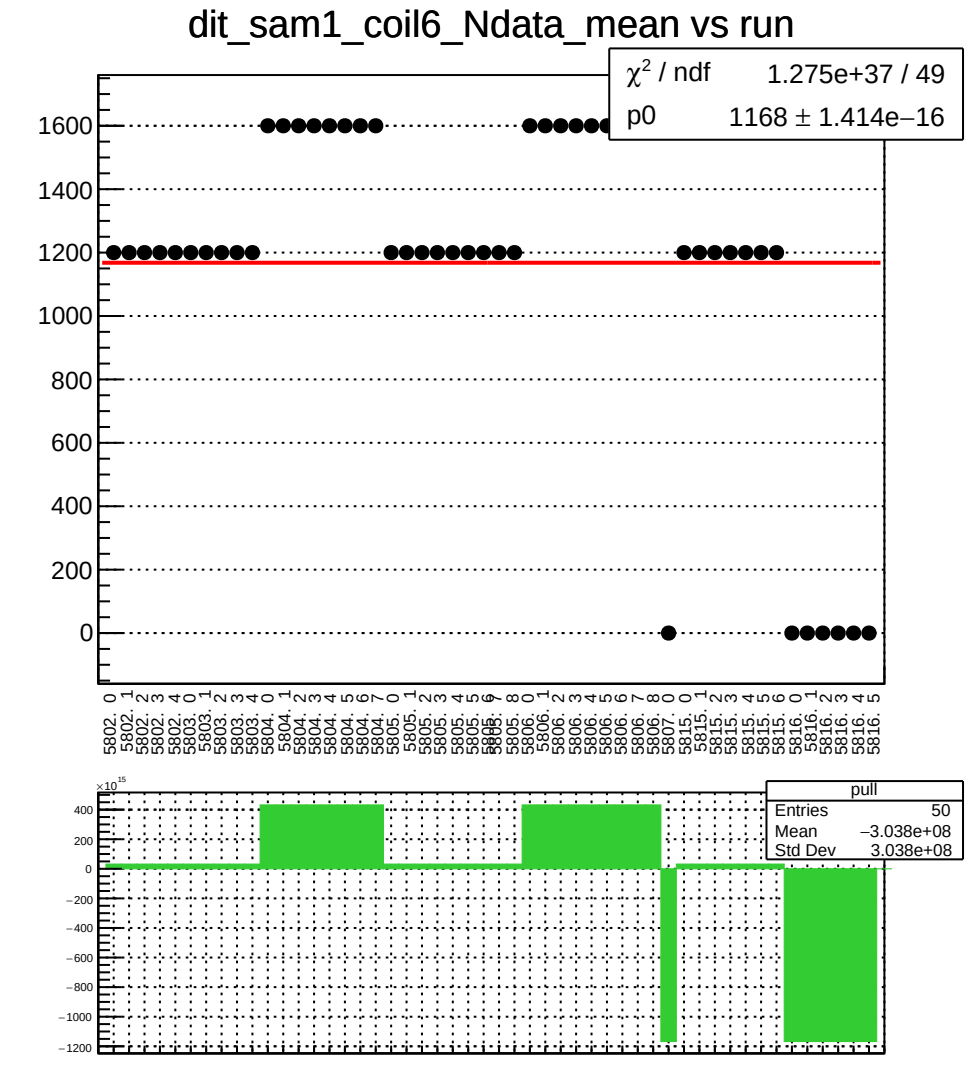
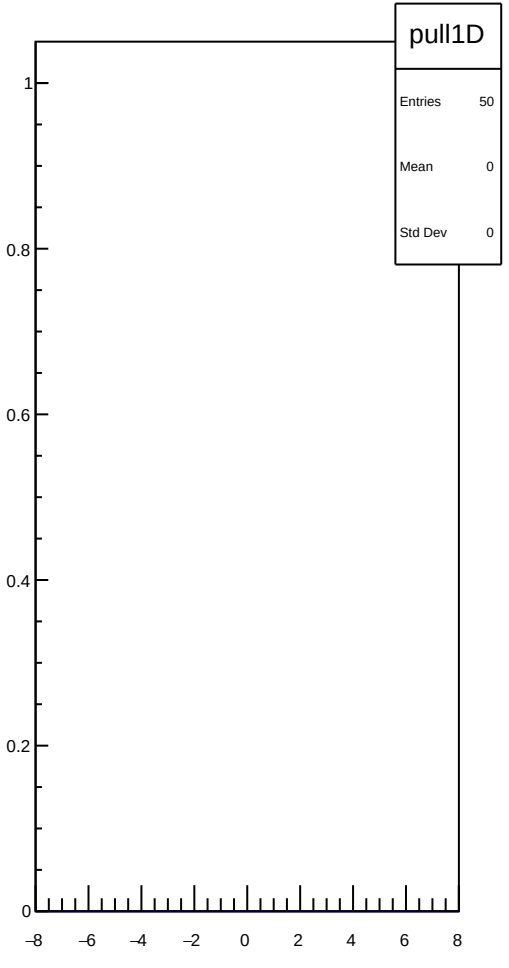
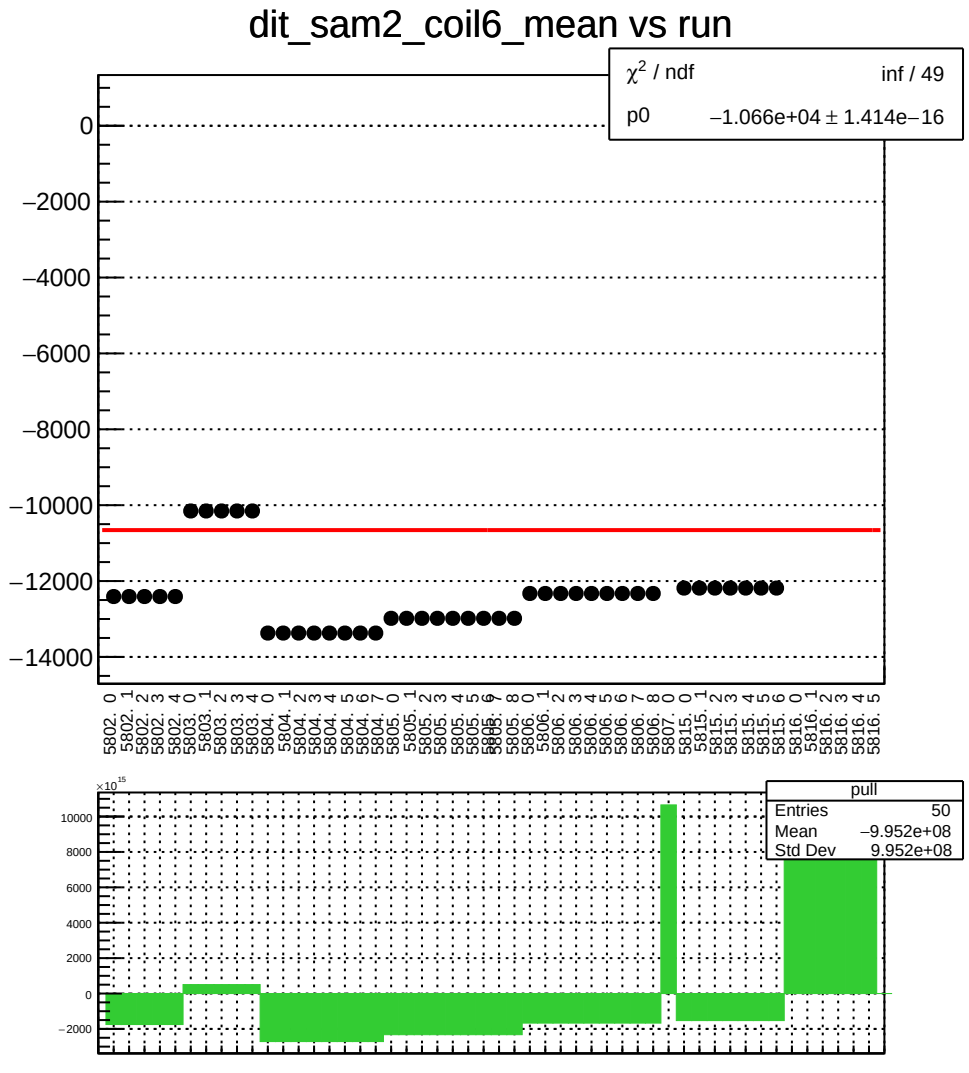
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
5000
4000
3000
2000
1000
0
−1000
pull
Entries 50
Mean 1.089e+10
Std Dev 1.089e+10
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_coil6_err_mean vs run
χ² / ndf 4.871e+35 / 49
p0 103.6 ± 1.414e−16
pull
Entries 50
Mean −1.051e+09
Std Dev 1.051e+09
pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08


pull1D
Entries 50
Mean 0
Std Dev 0


dit_sam2_coil6_mean vs run
χ² / ndf inf / 49
p0 −1.066e+04 ± 1.414e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
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5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
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5805. 0
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5806. 0
5806. 1
5806. 2
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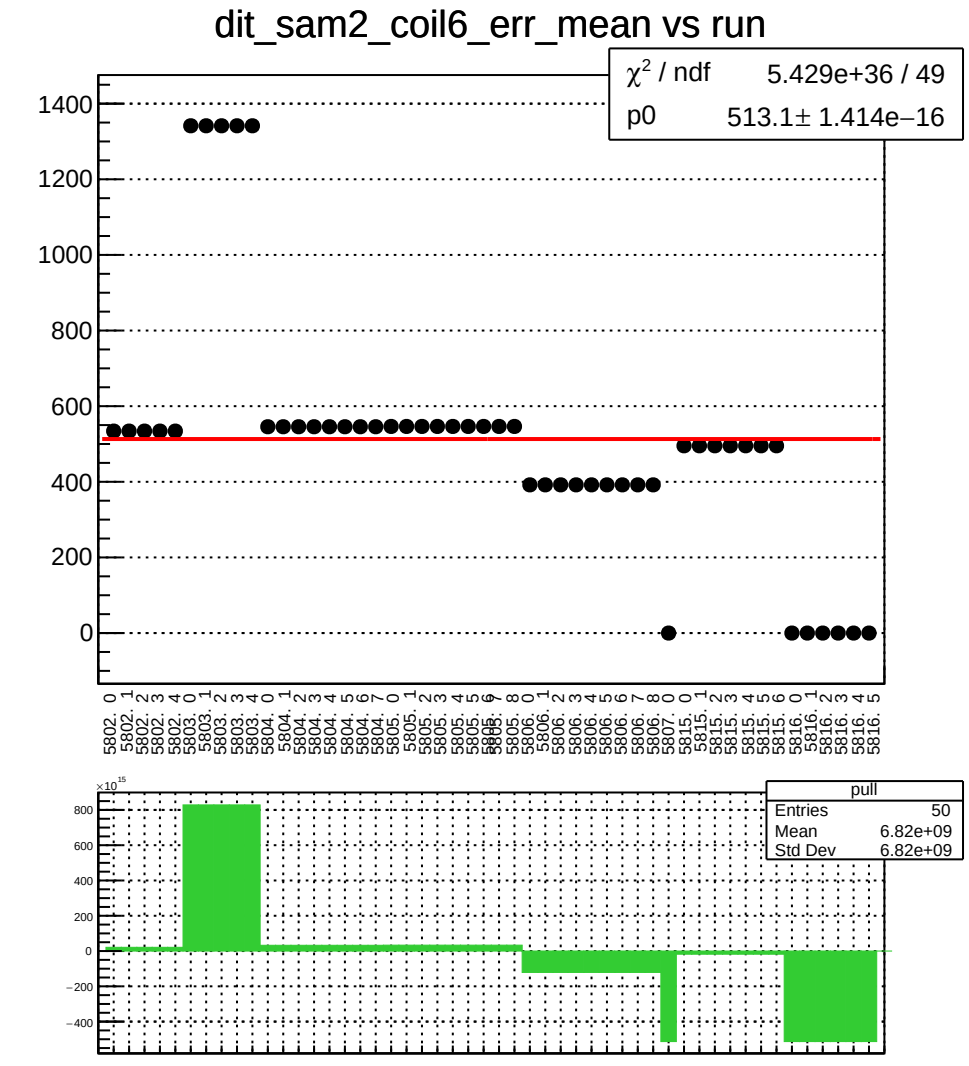
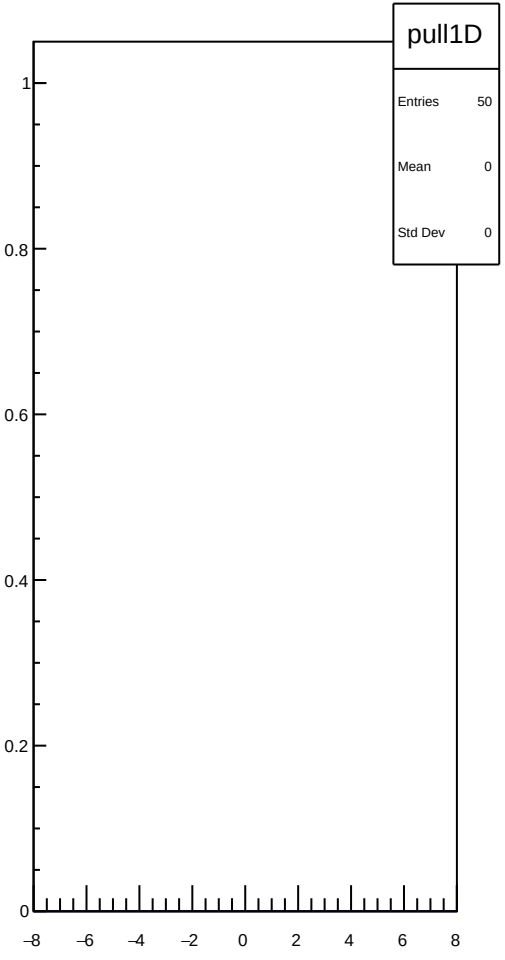
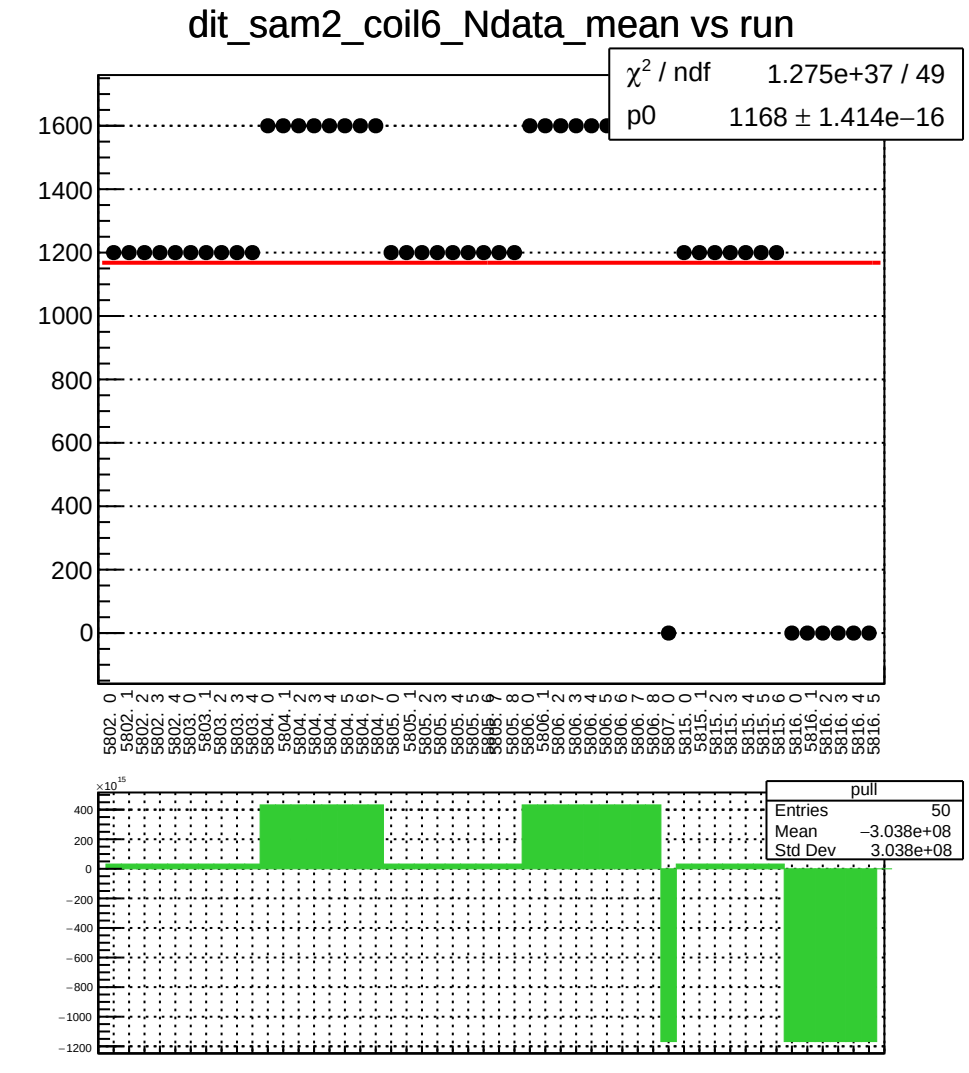
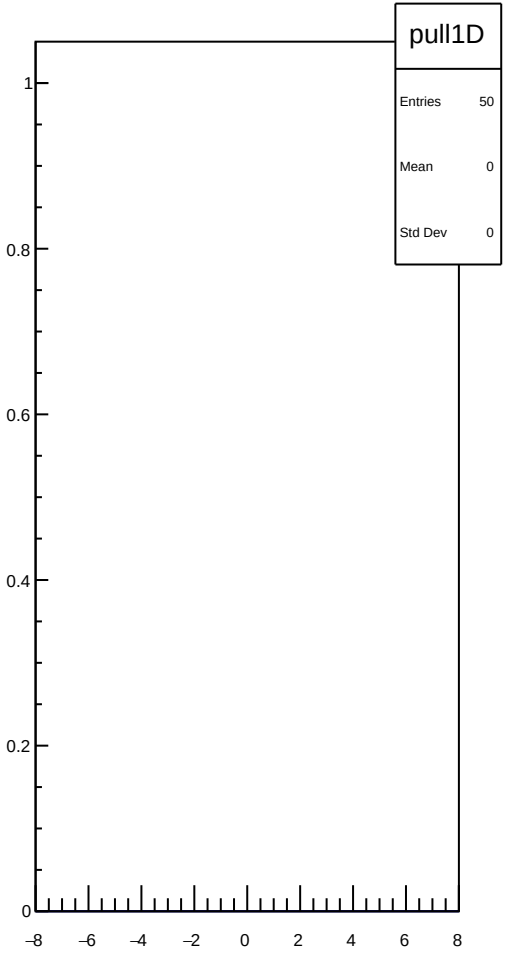
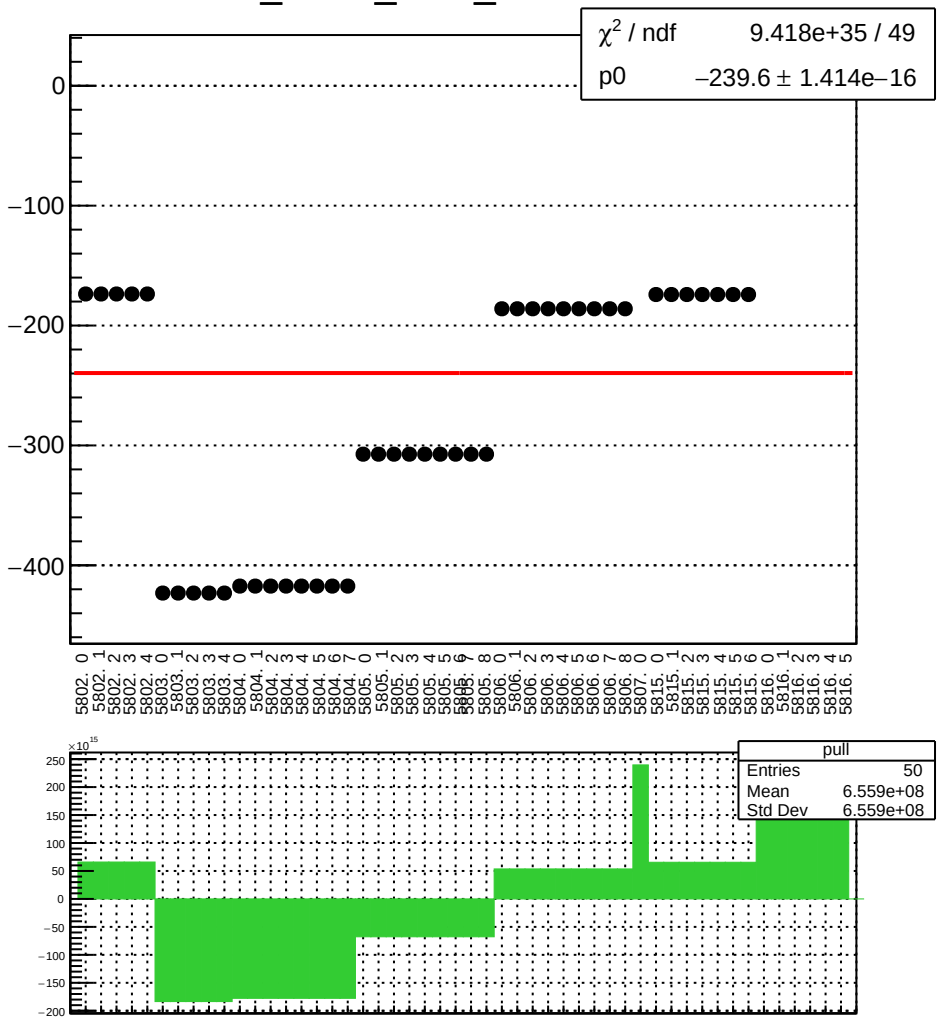
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
10000
8000
6000
4000
2000
0
−2000
pull
Entries 50
Mean −9.952e+08
Std Dev 9.952e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

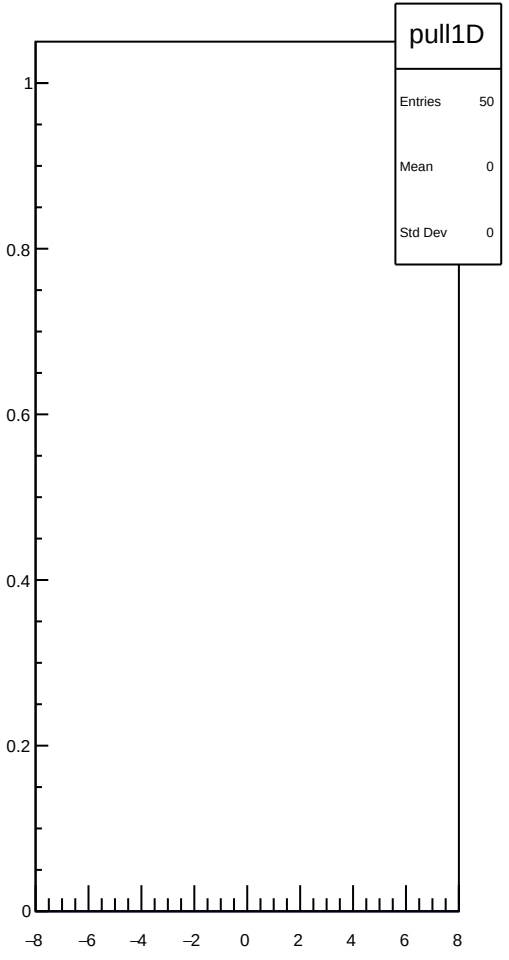

dit_sam2_coil6_err_mean vs run
χ² / ndf 5.429e+36 / 49
p0 513.1± 1.414e−16
pull
Entries 50
Mean 6.82e+09
Std Dev 6.82e+09

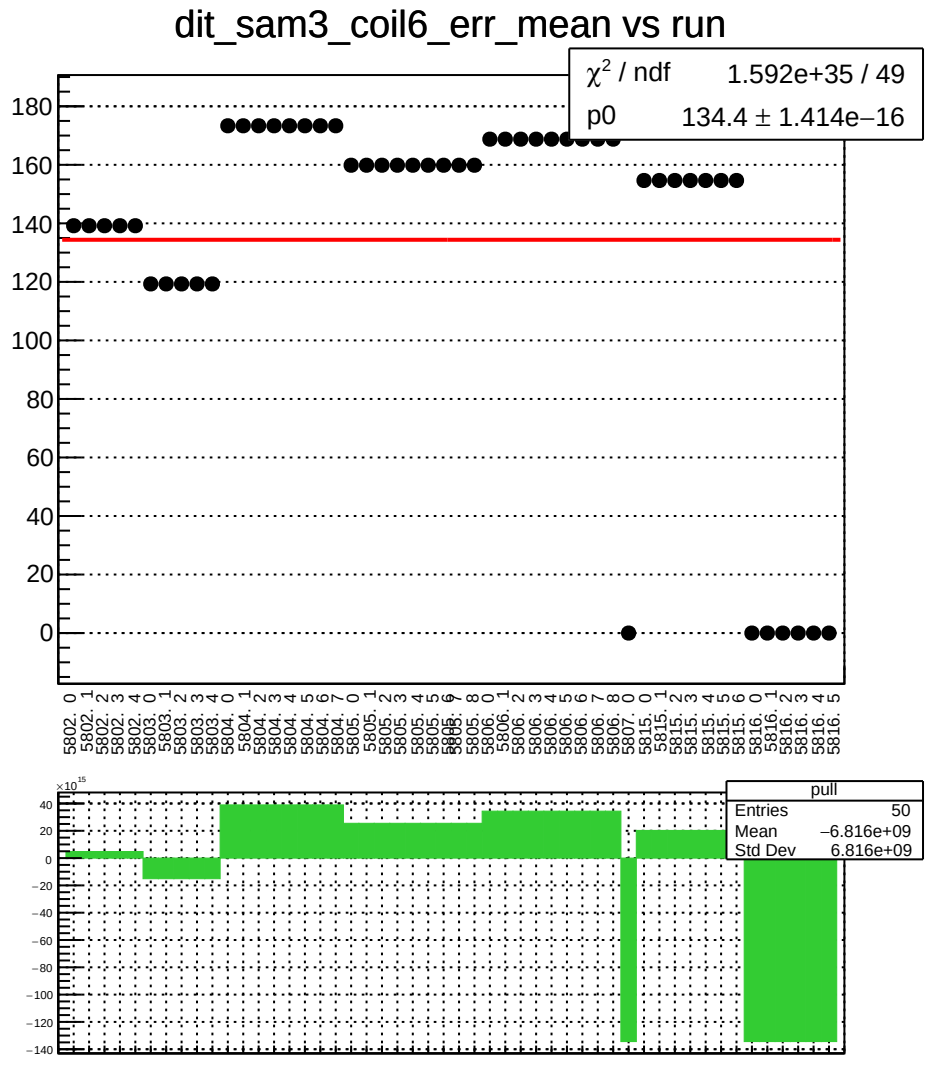

pull1D
Entries 50
Mean 0
Std Dev 0

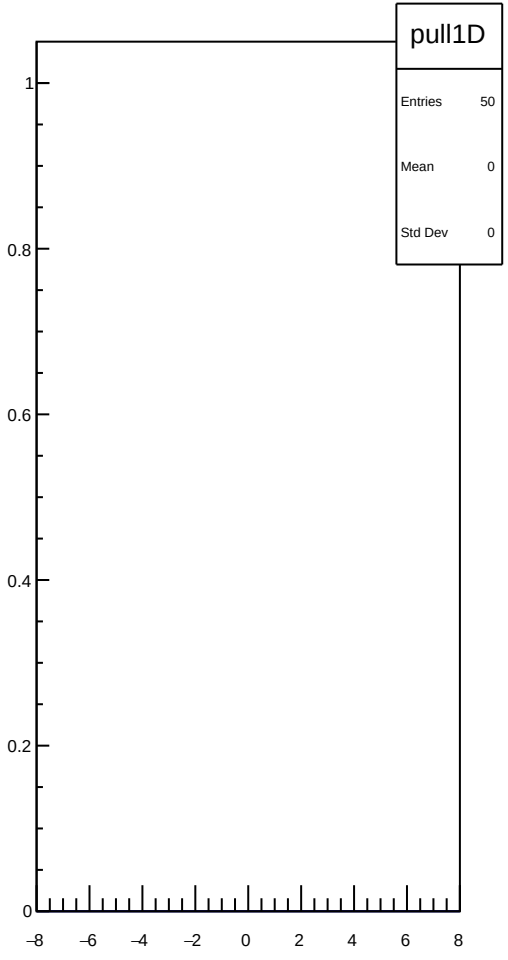

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200

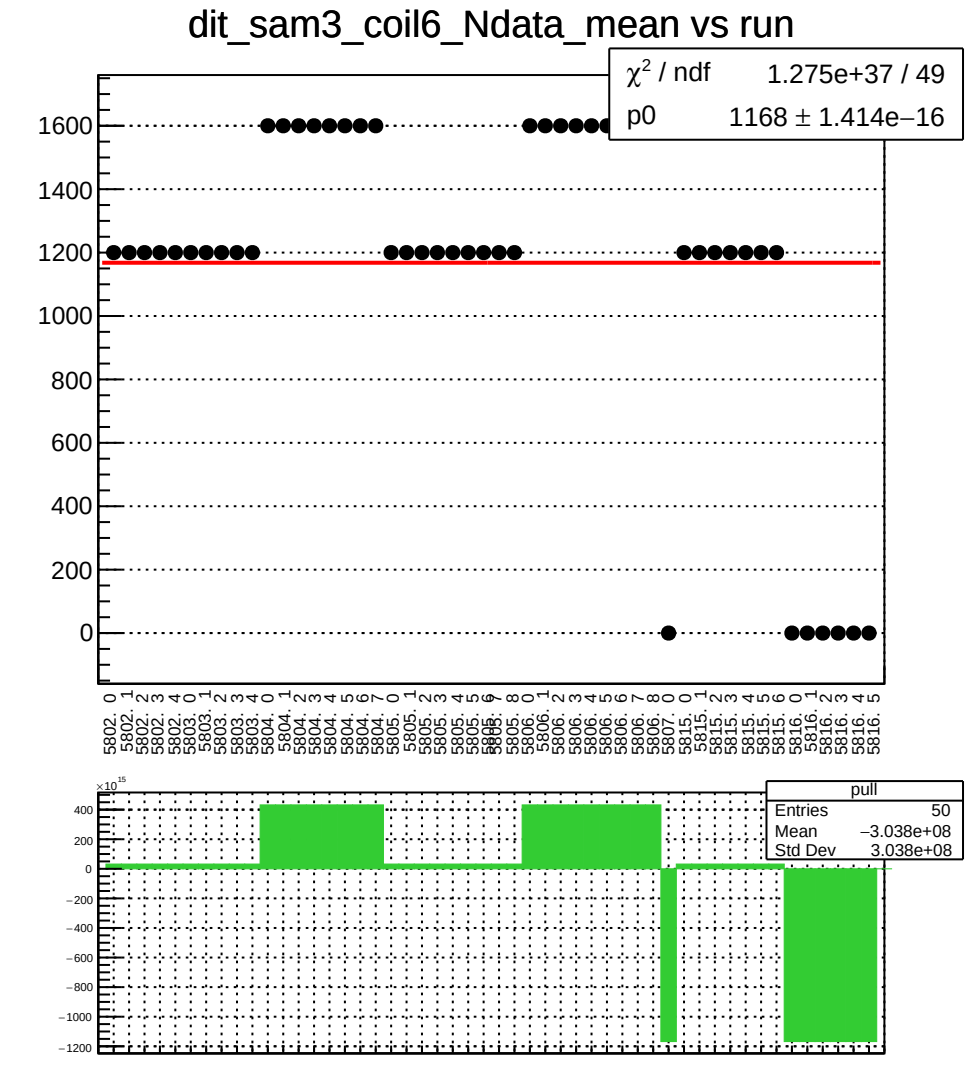

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

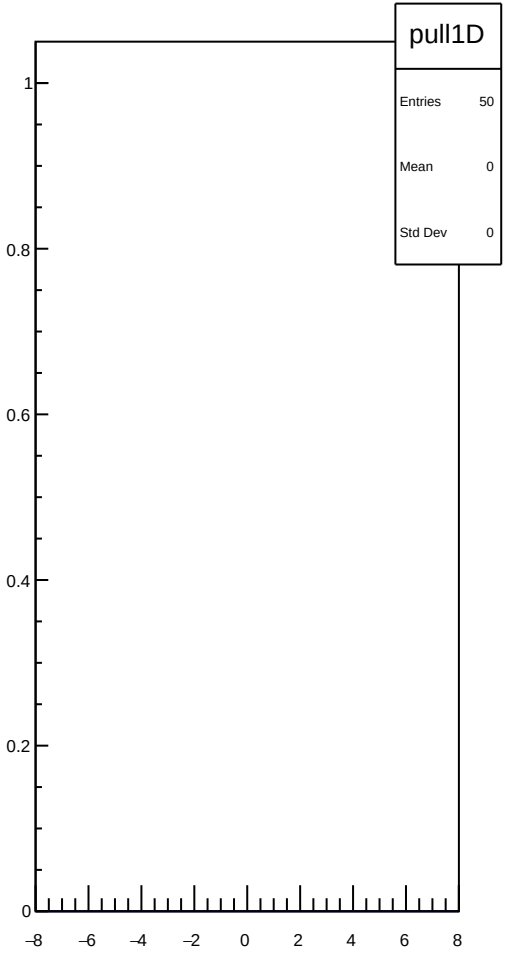

dit_sam3_coil6_mean vs run
χ² / ndf 9.418e+35 / 49
p0 −239.6 ± 1.414e−16
0
−100
−200
−300
−400
pull
Entries 50
Mean 6.559e+08
Std Dev 6.559e+08

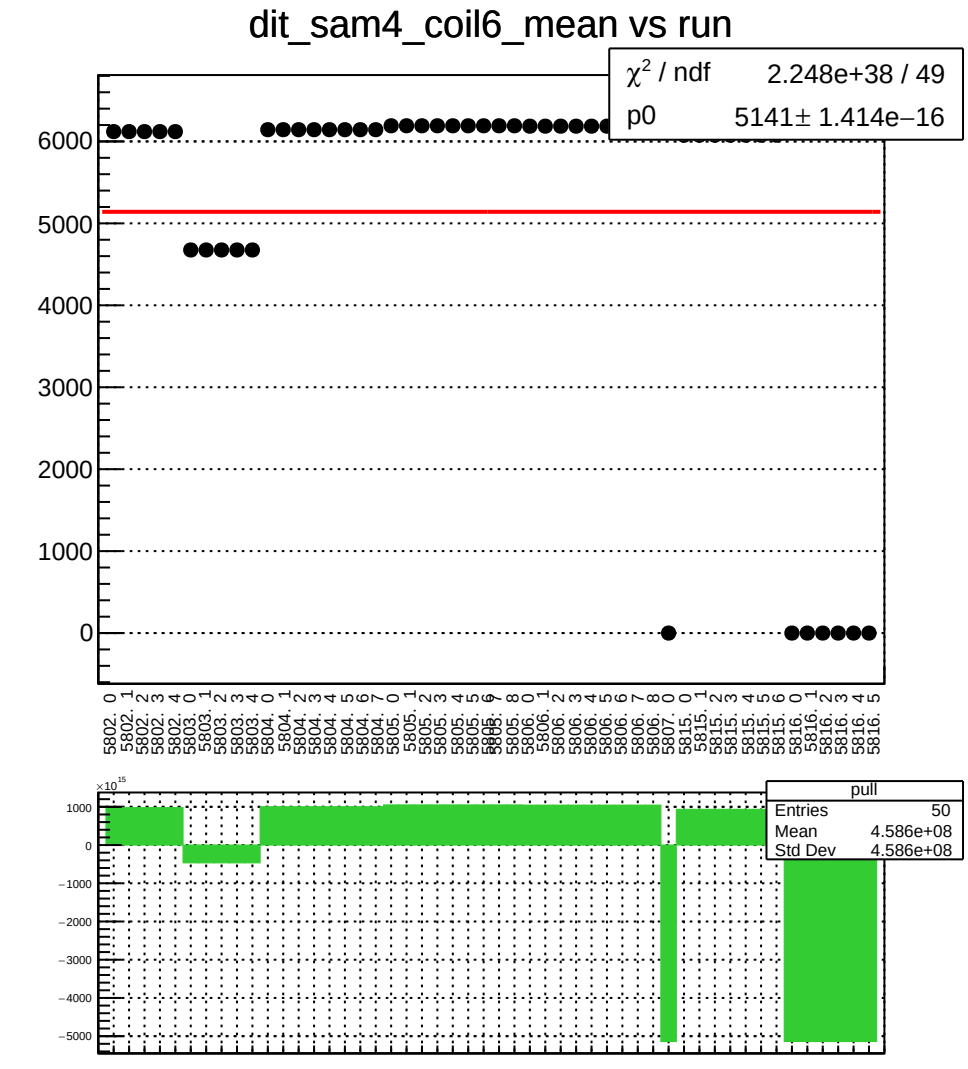

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

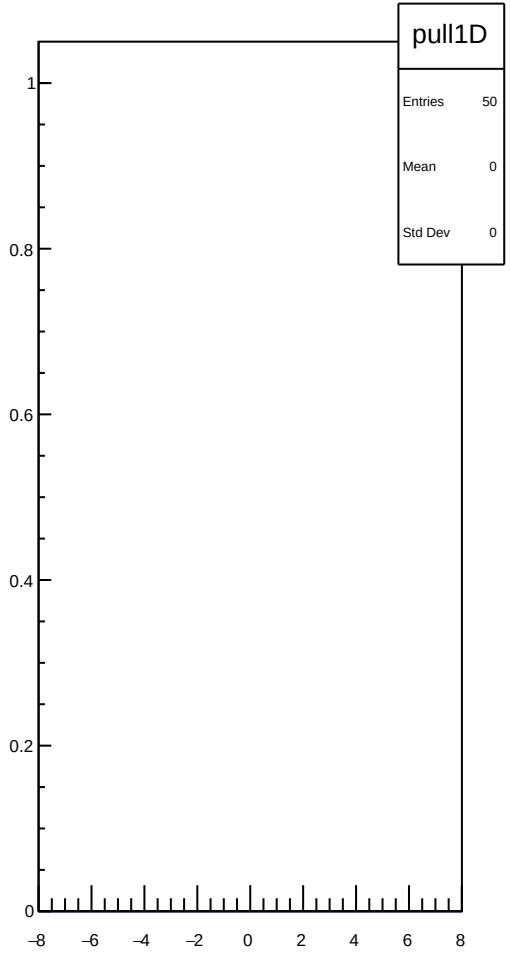

dit_sam3_coil6_err_mean vs run
χ² / ndf 1.592e+35 / 49
p0 134.4 ± 1.414e−16
pull
Entries 50
Mean −6.816e+09
Std Dev 6.816e+09

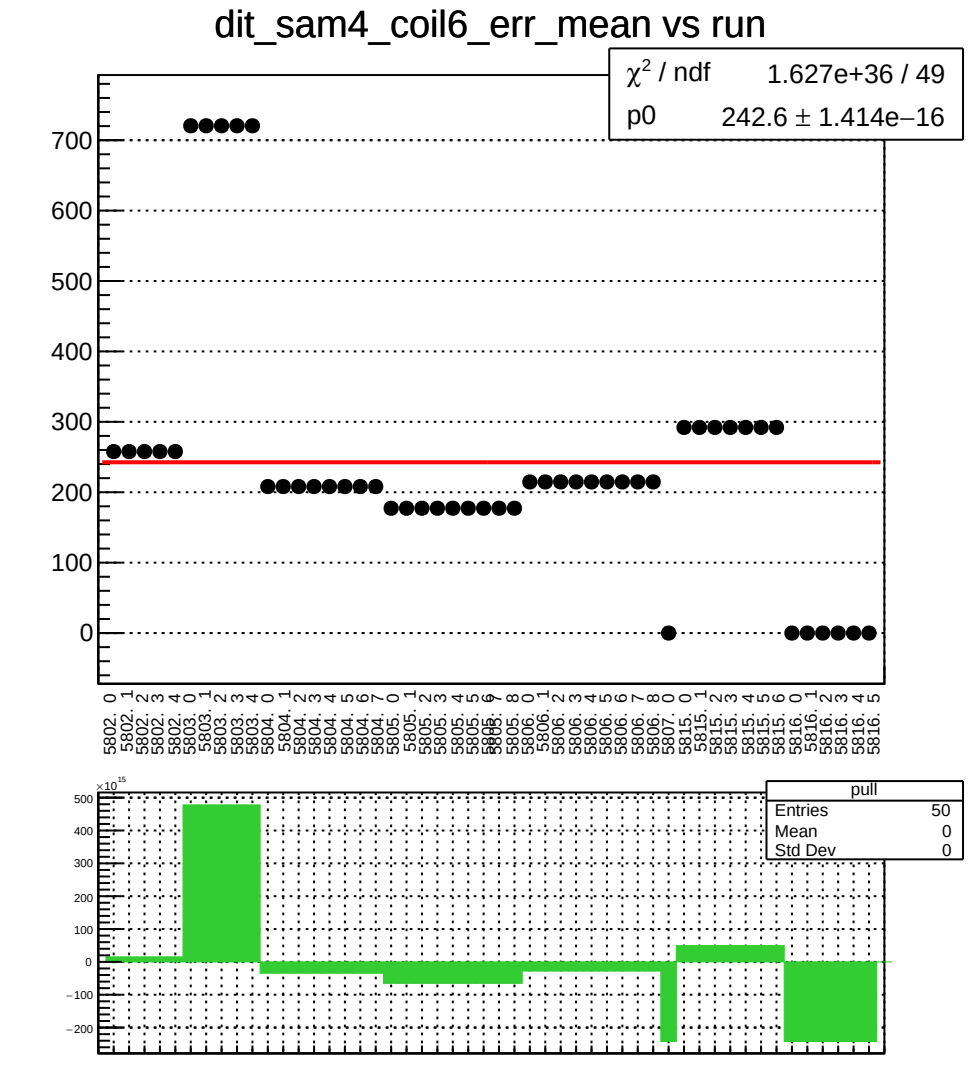

pull1D
Entries 50
Mean 0
Std Dev 0

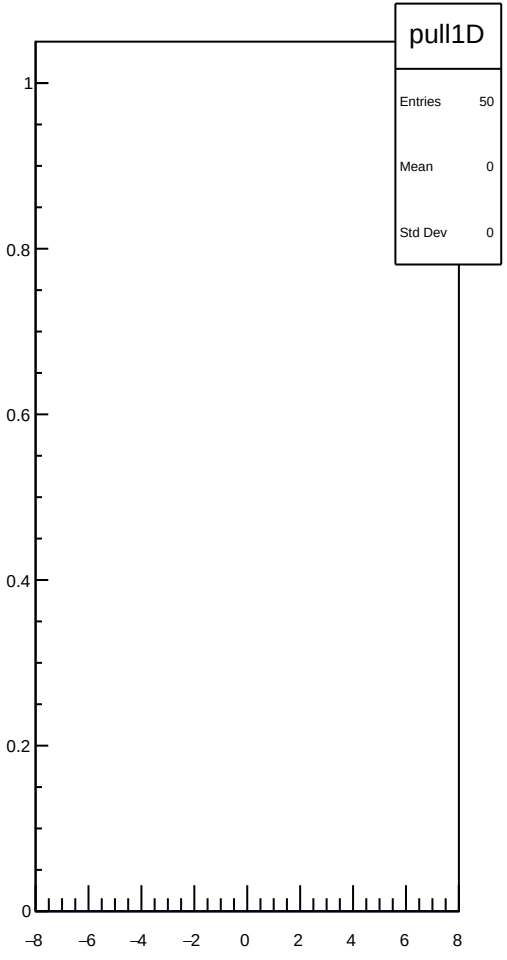

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200

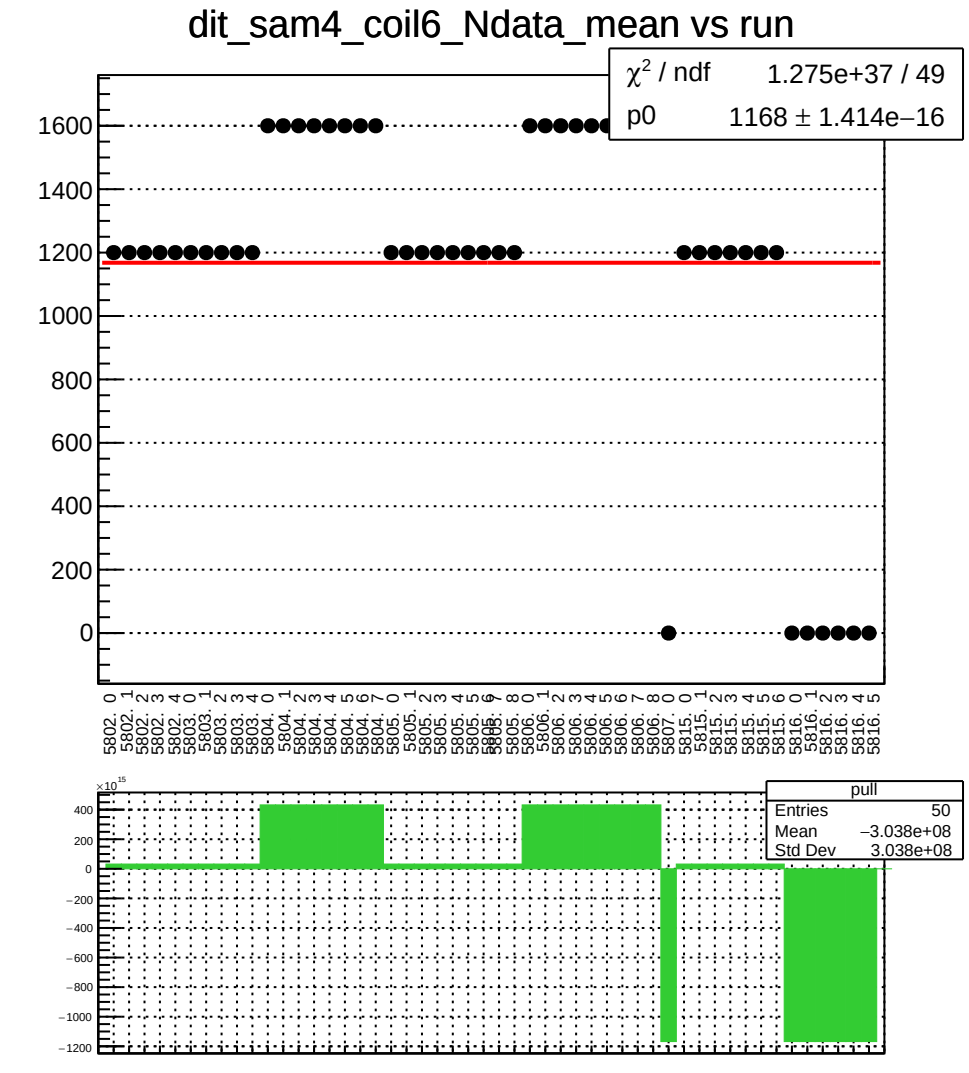

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

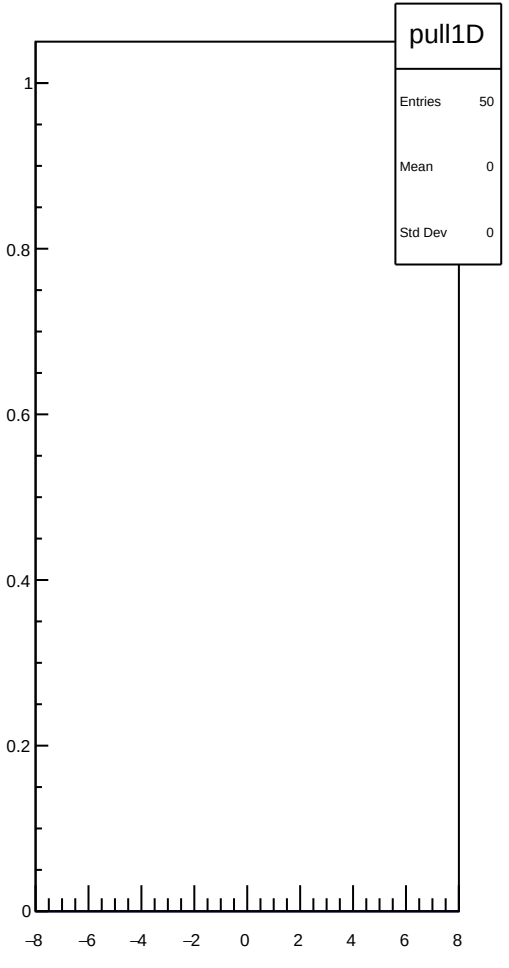

dit_sam4_coil6_mean vs run
χ² / ndf 2.248e+38 / 49
p0 5141± 1.414e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 50
Mean 4.586e+08
Std Dev 4.586e+08
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
−5000

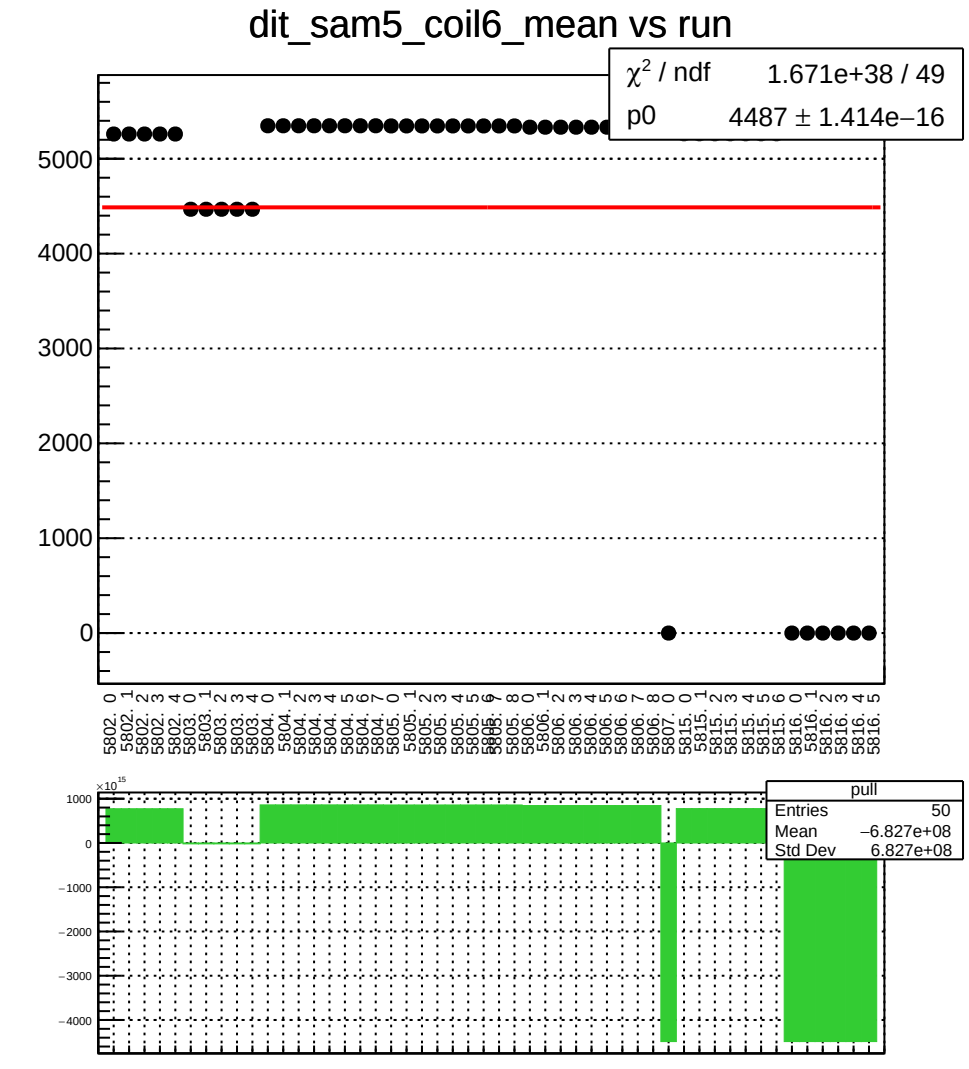

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

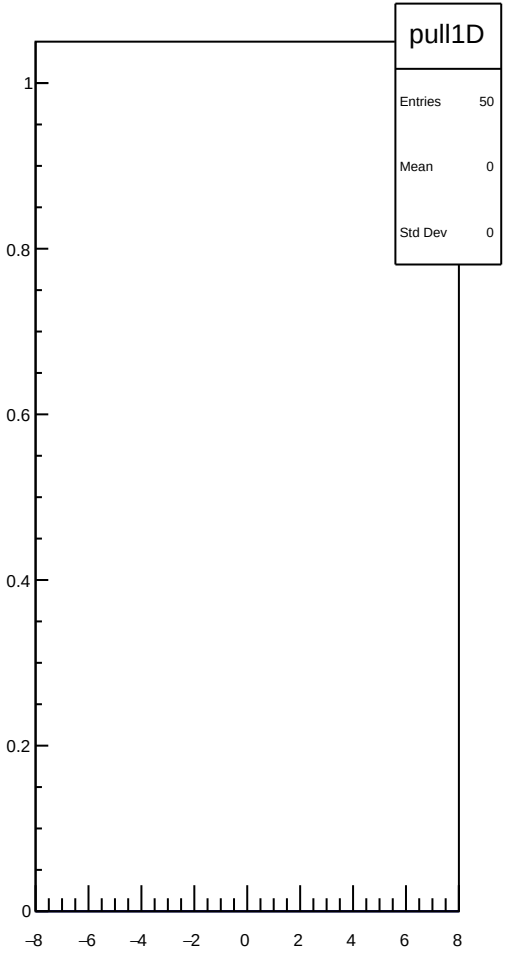

dit_sam4_coil6_err_mean vs run
χ² / ndf 1.627e+36 / 49
p0 242.6 ± 1.414e−16
pull
Entries 50
Mean 0
Std Dev 0

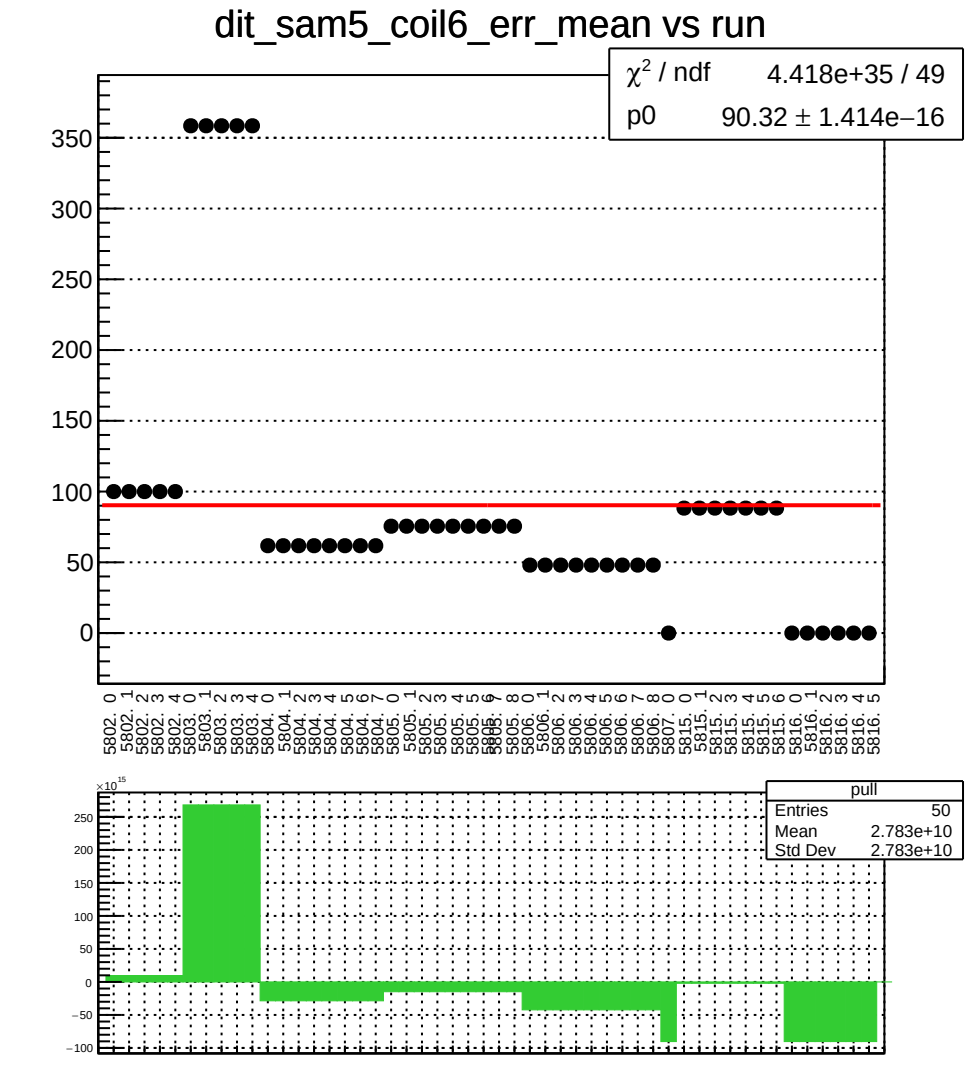

pull1D
Entries 50
Mean 0
Std Dev 0

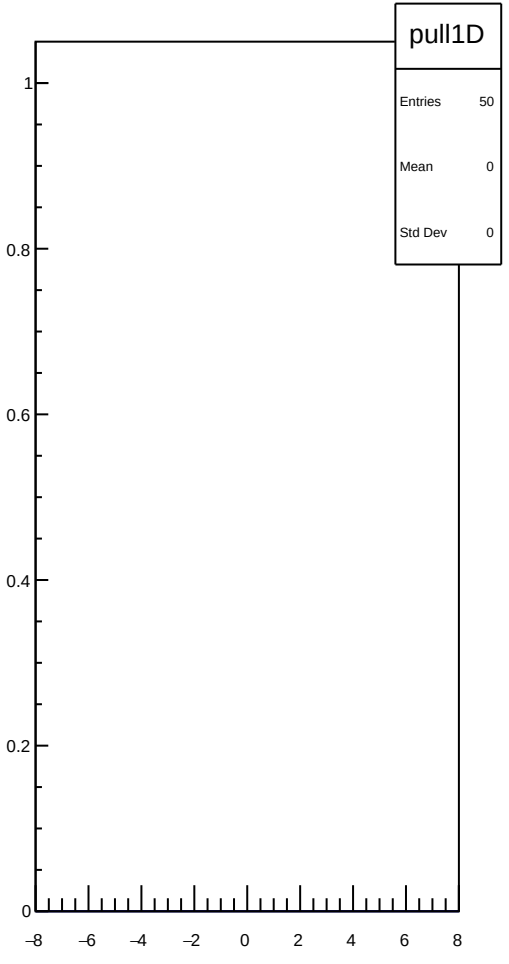

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08

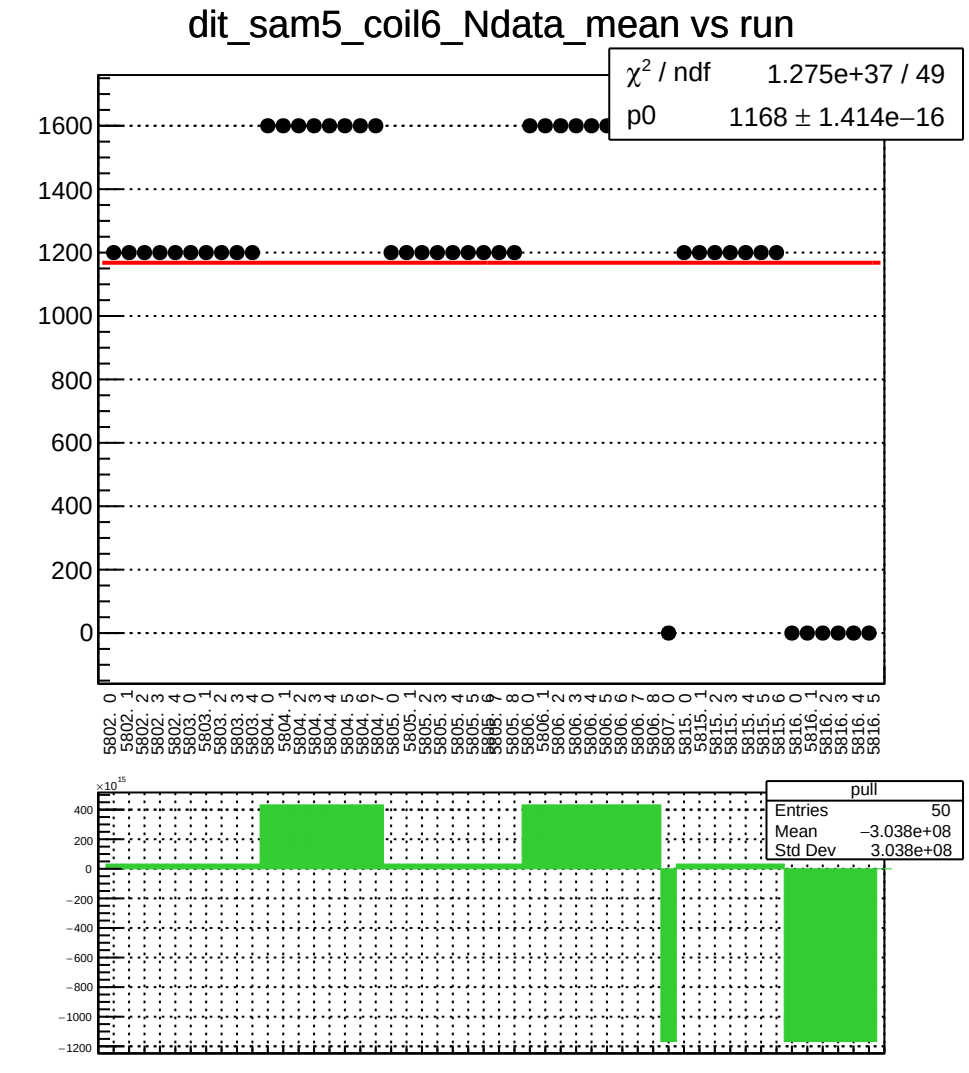

pull1D
Entries 50
Mean 0
Std Dev 0

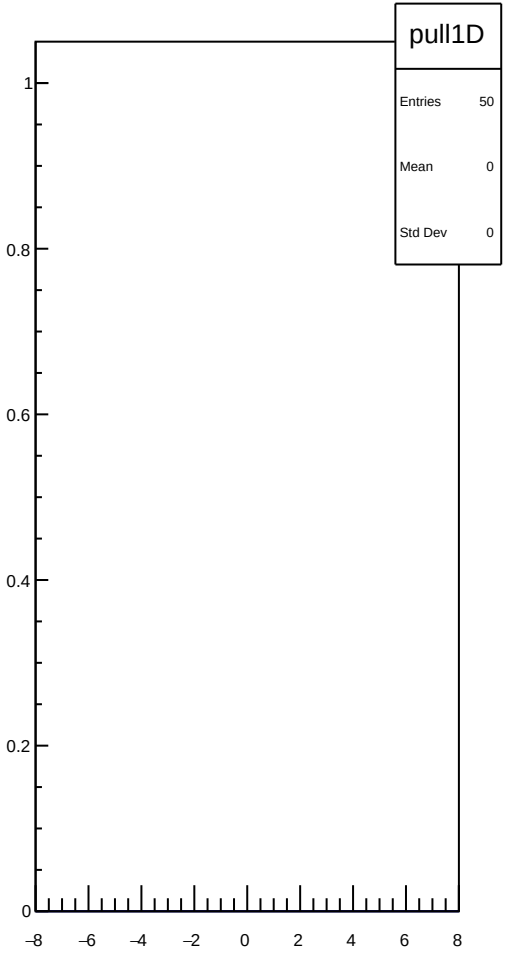

dit_sam5_coil6_mean vs run
χ² / ndf 1.671e+38 / 49
p0 4487 ± 1.414e−16
5000
4000
3000
2000
1000
0
pull
Entries 50
Mean −6.827e+08
Std Dev 6.827e+08
×10¹⁵
1000
0
−1000
−2000
−3000
−4000

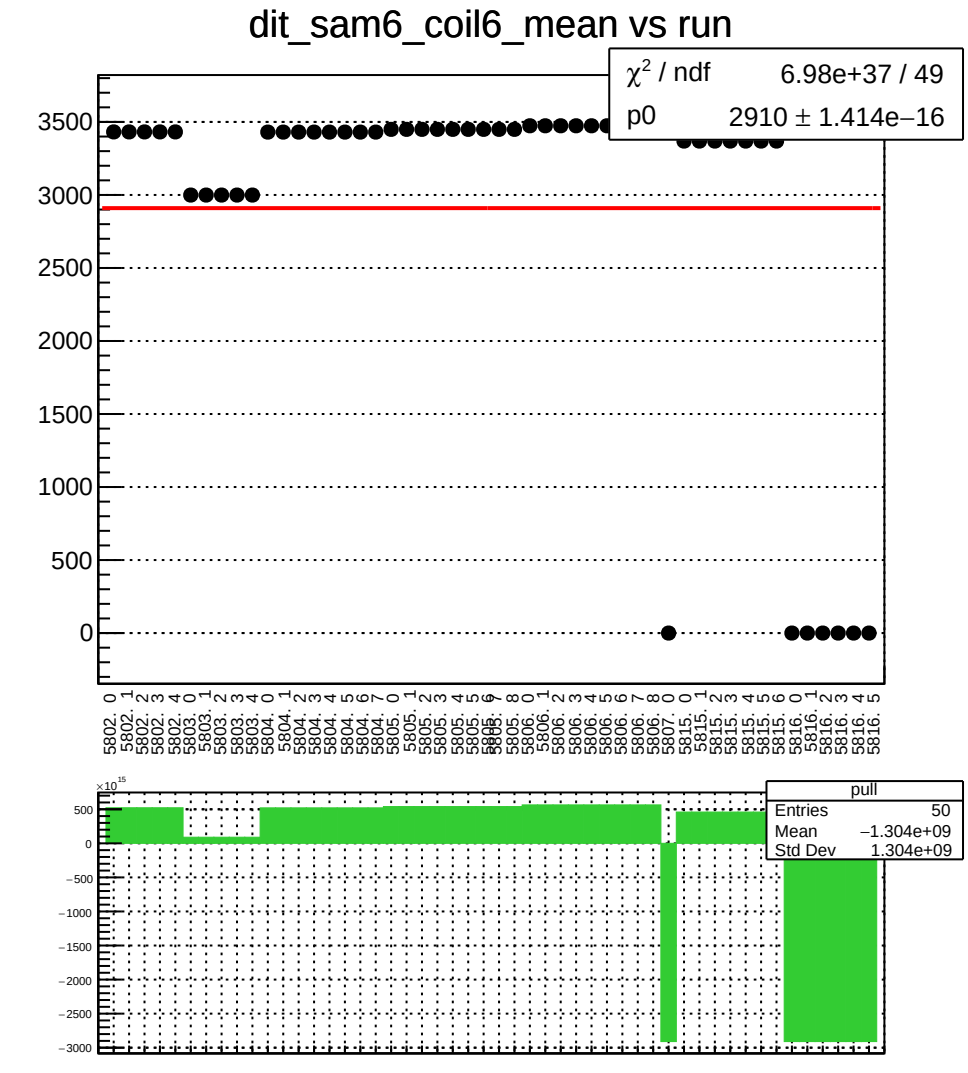

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

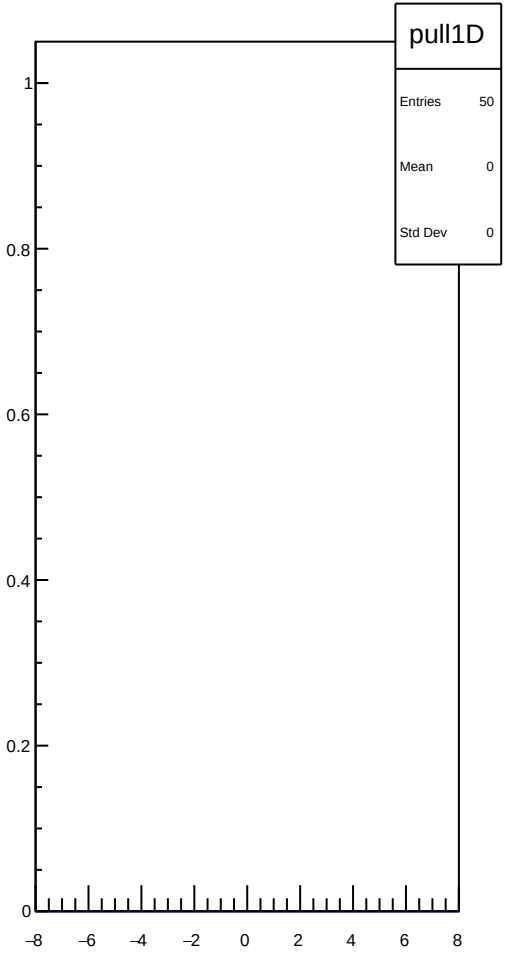

dit_sam5_coil6_err_mean vs run
χ² / ndf 4.418e+35 / 49
p0 90.32 ± 1.414e−16
pull
Entries 50
Mean 2.783e+10
Std Dev 2.783e+10

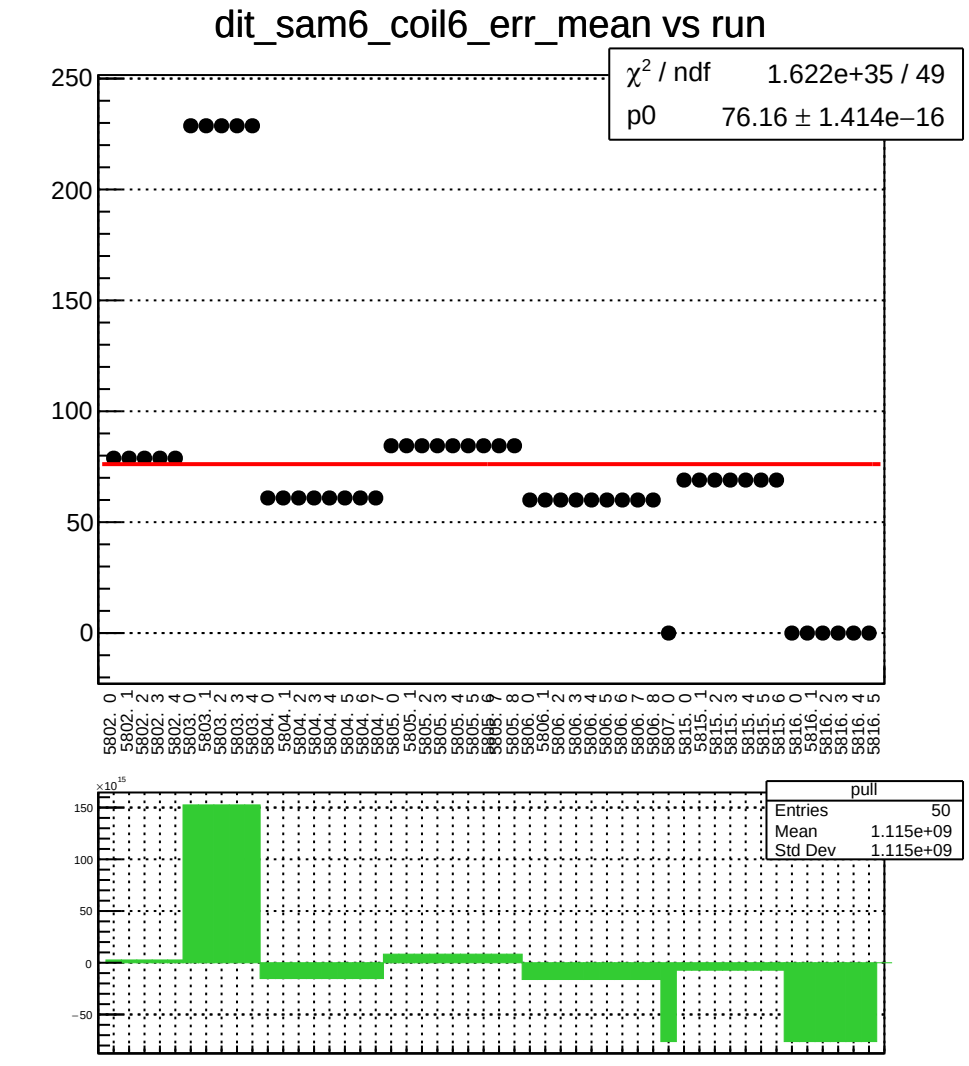

pull1D
Entries 50
Mean 0
Std Dev 0

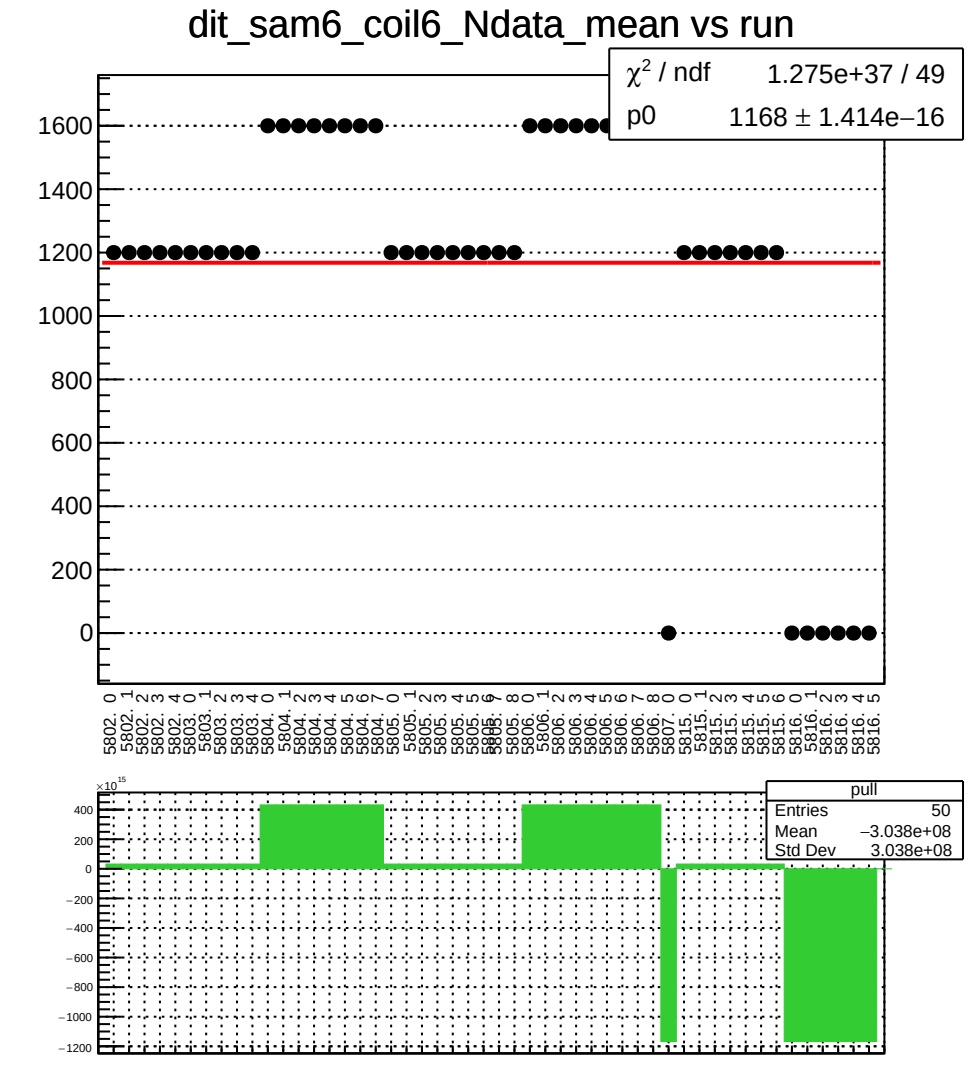

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200

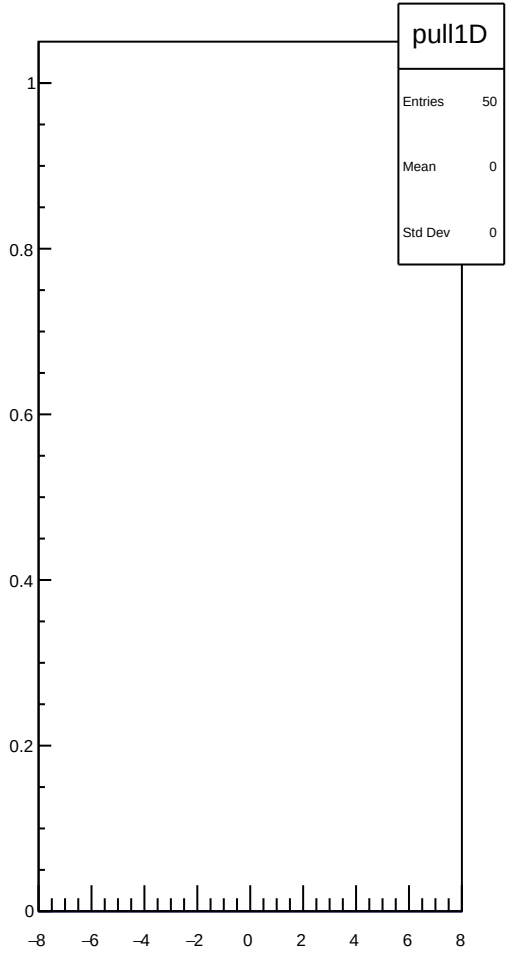

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

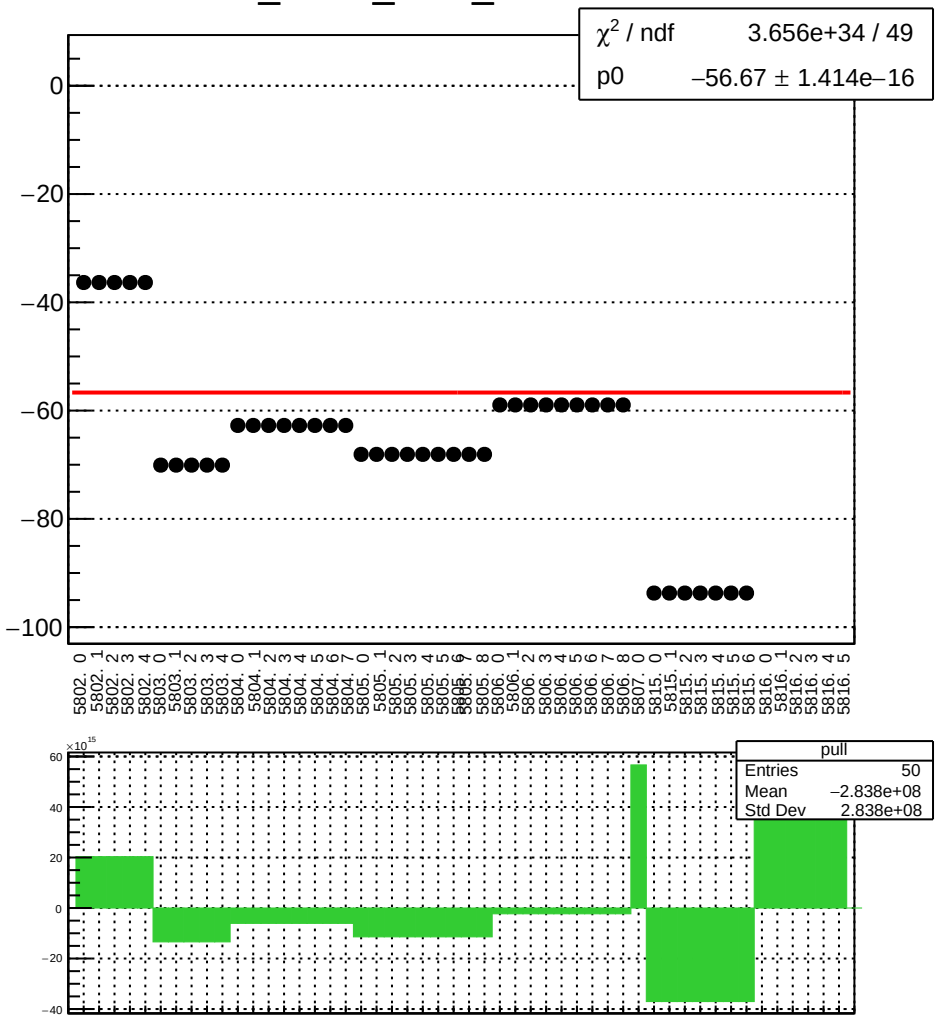

dit_sam6_coil6_mean vs run
χ² / ndf 6.98e+37 / 49
p0 2910 ± 1.414e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 50
Mean −1.304e+09
Std Dev 1.304e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000

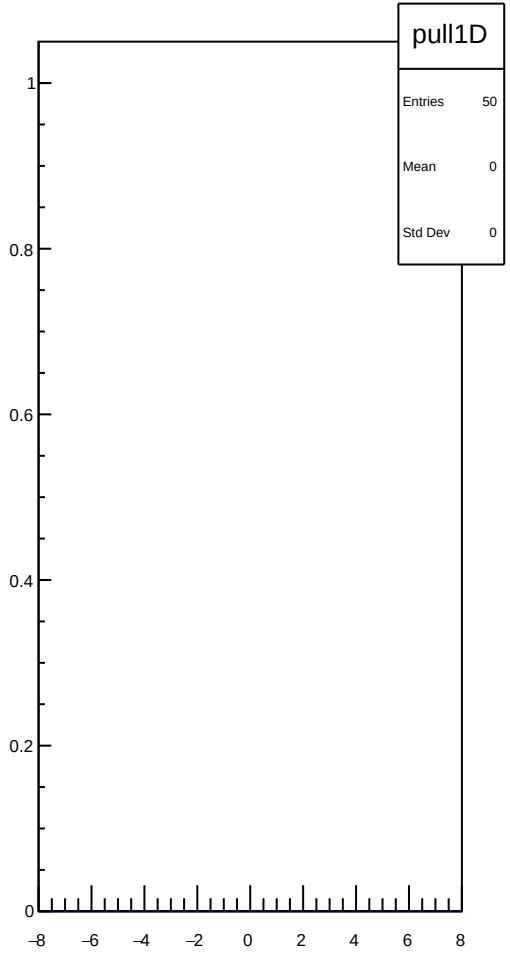

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

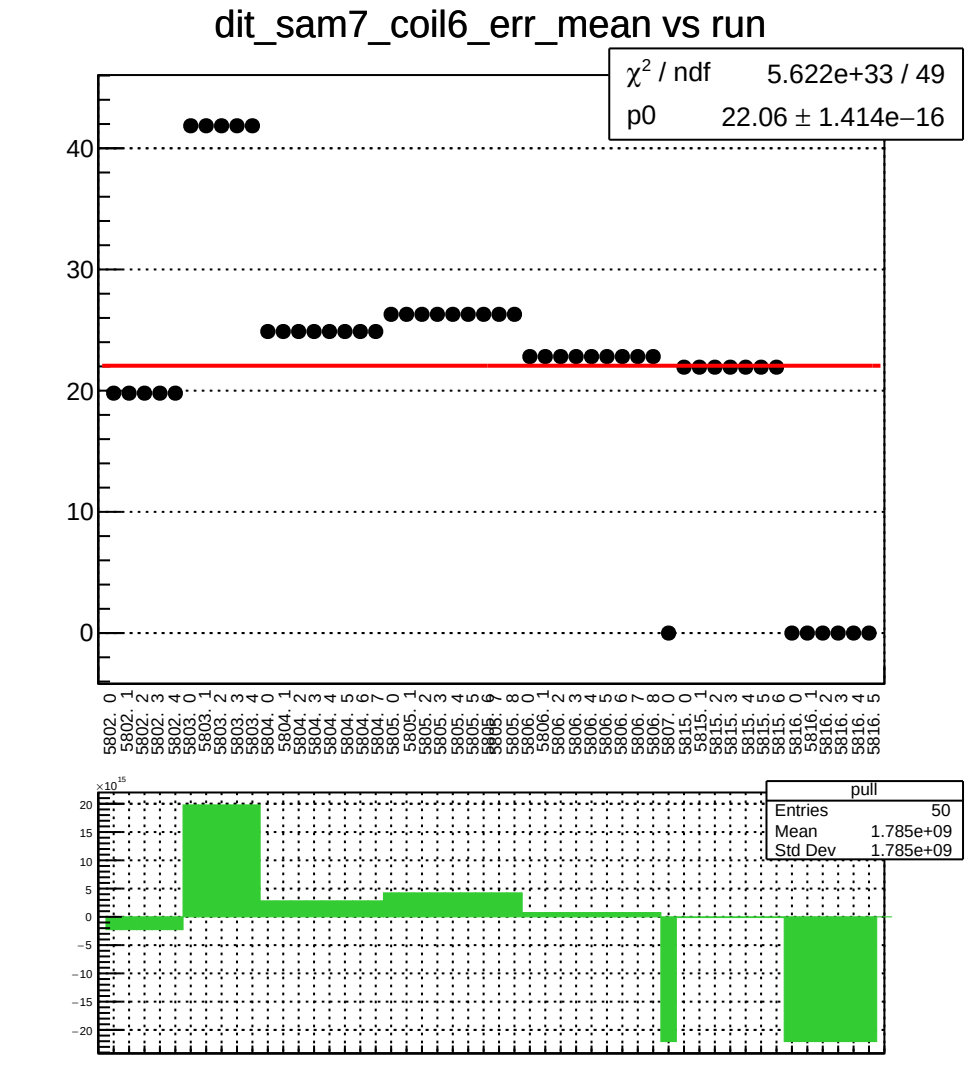

dit_sam6_coil6_err_mean vs run
χ² / ndf 1.622e+35 / 49
p0 76.16 ± 1.414e−16
250
200
150
100
50
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
150
100
50
0
−50
pull
Entries 50
Mean 1.115e+09
Std Dev 1.115e+09
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

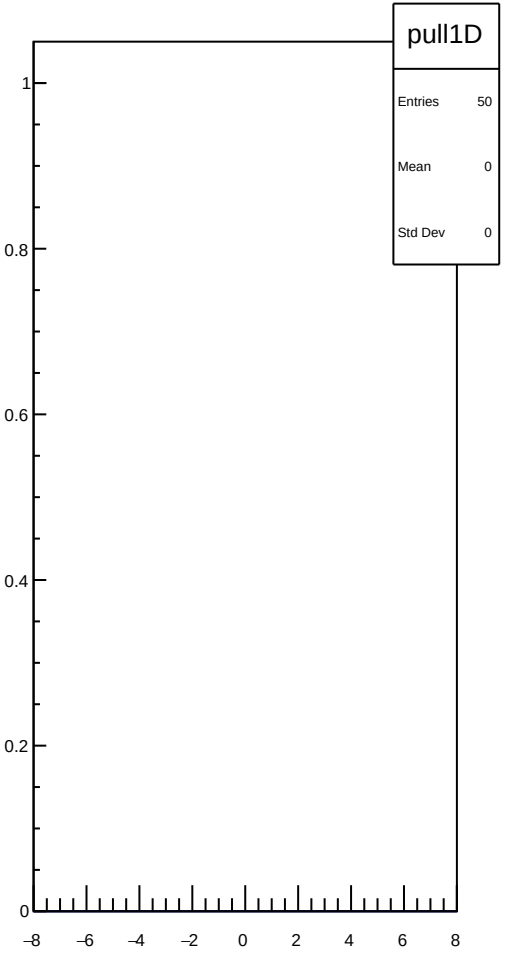

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08

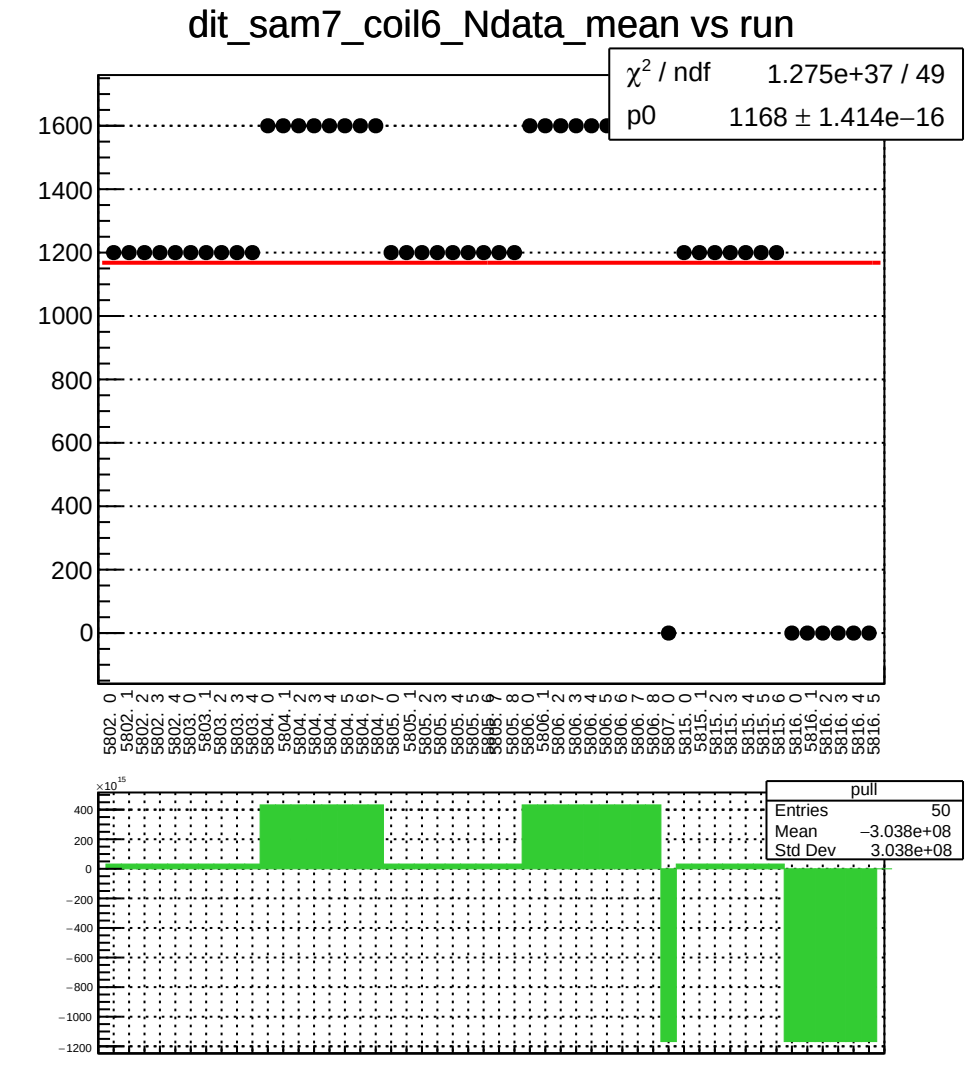

pull1D
Entries 50
Mean 0
Std Dev 0

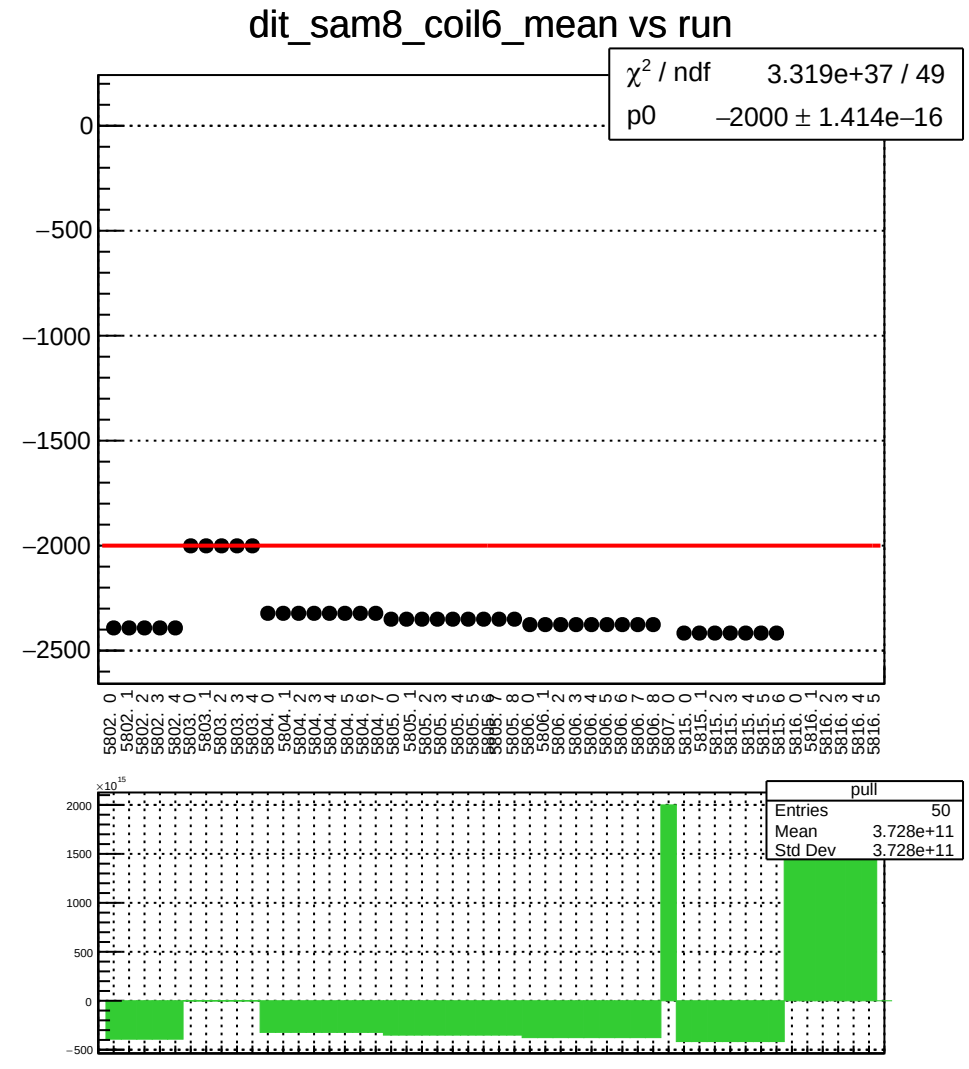

dit_sam7_coil6_mean vs run
χ² / ndf 3.656e+34 / 49
p0 −56.67 ± 1.414e−16
pull
Entries 50
Mean −2.838e+08
Std Dev 2.838e+08

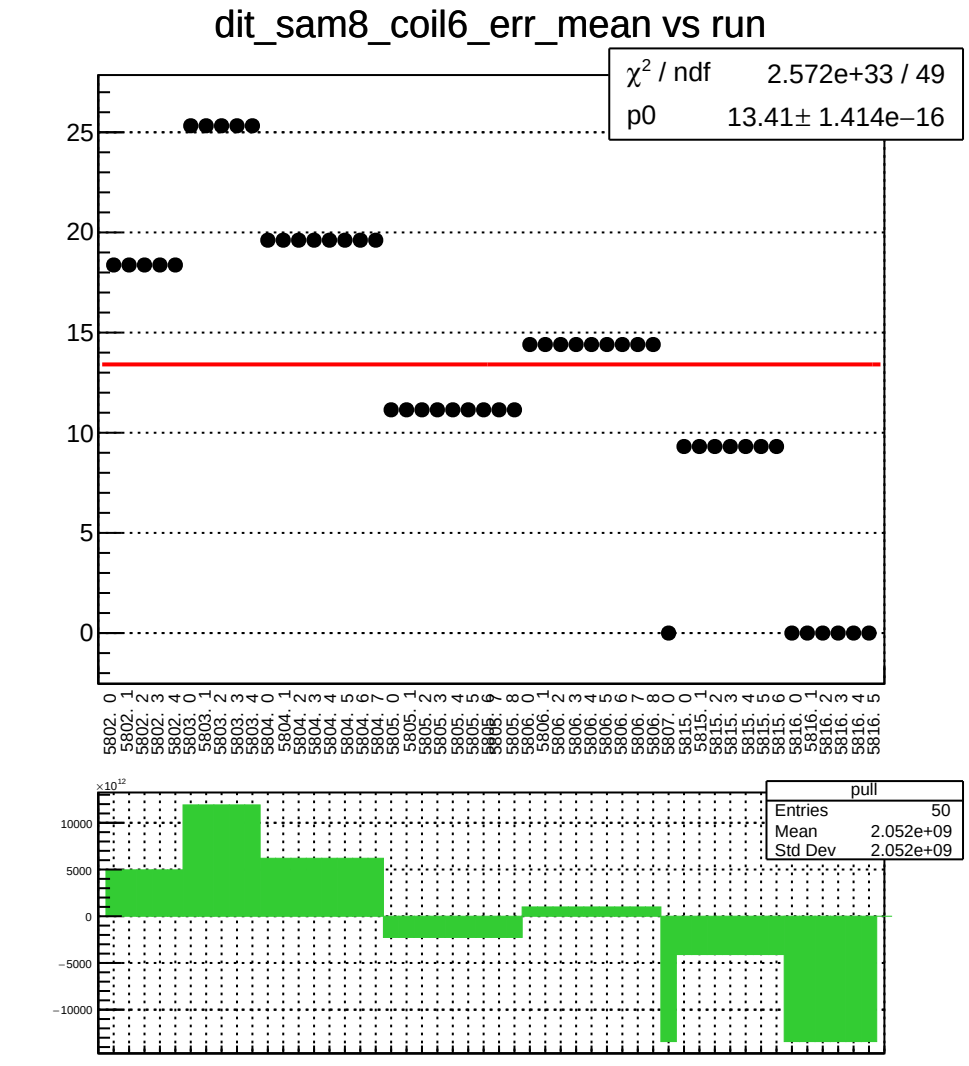

pull1D
Entries 50
Mean 0
Std Dev 0

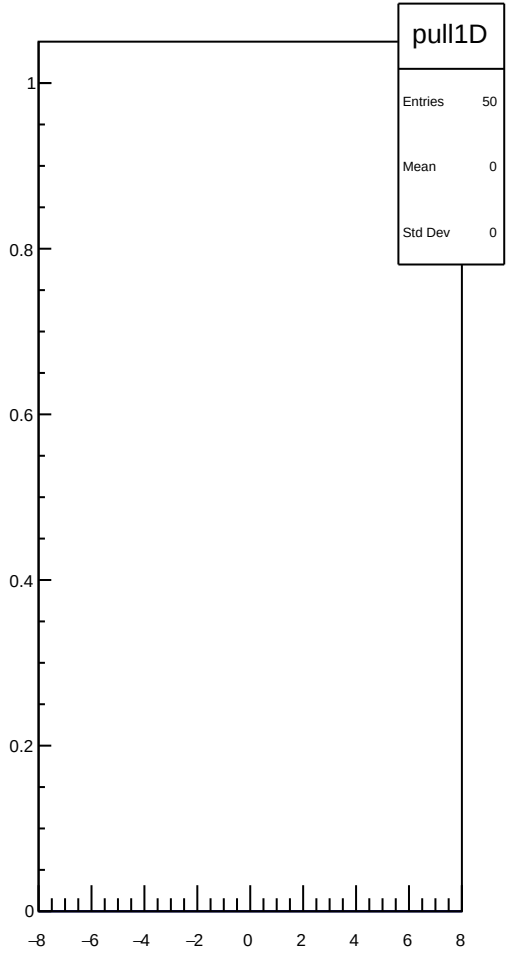

dit_sam7_coil6_err_mean vs run
χ² / ndf 5.622e+33 / 49
p0 22.06 ± 1.414e−16
pull
Entries 50
Mean 1.785e+09
Std Dev 1.785e+09

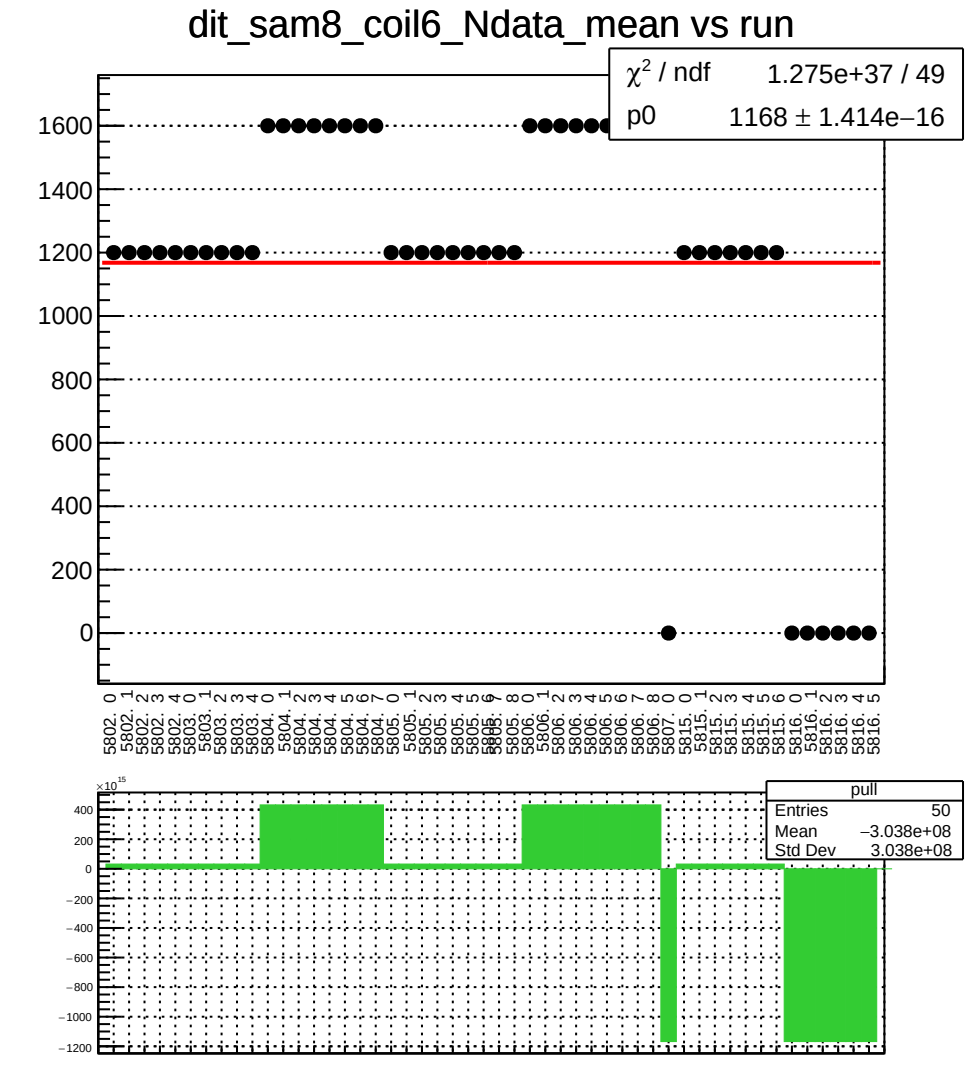

pull1D
Entries 50
Mean 0
Std Dev 0

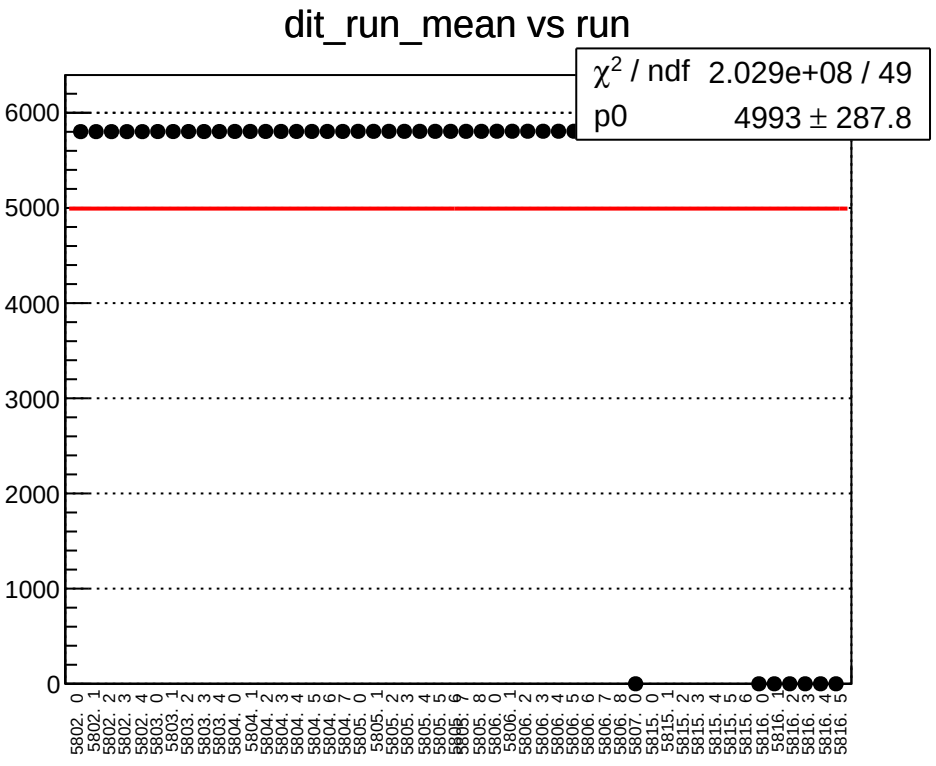

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

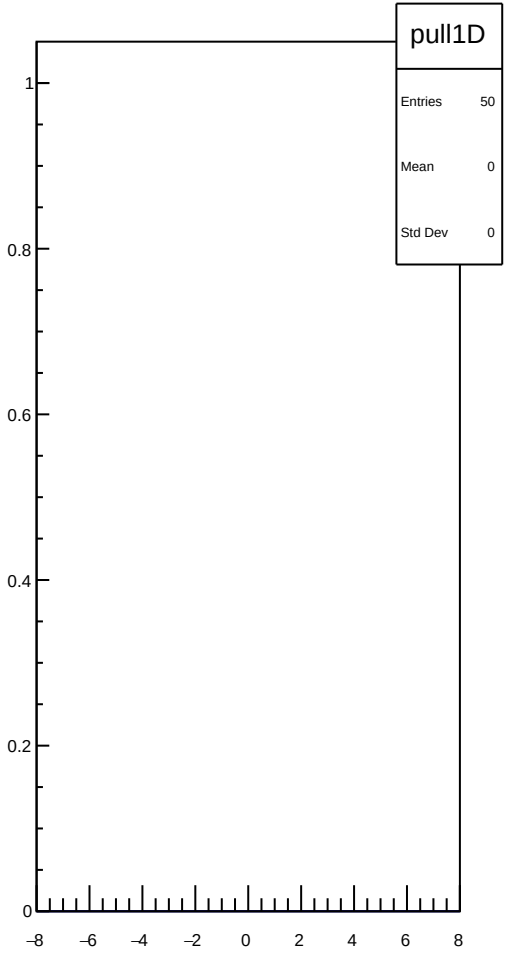

dit_sam8_coil6_mean vs run
χ² / ndf 3.319e+37 / 49
p0 −2000 ± 1.414e−16
0
−500
−1000
−1500
−2000
−2500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
2000
1500
1000
500
0
−500
pull
Entries 50
Mean 3.728e+11
Std Dev 3.728e+11
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

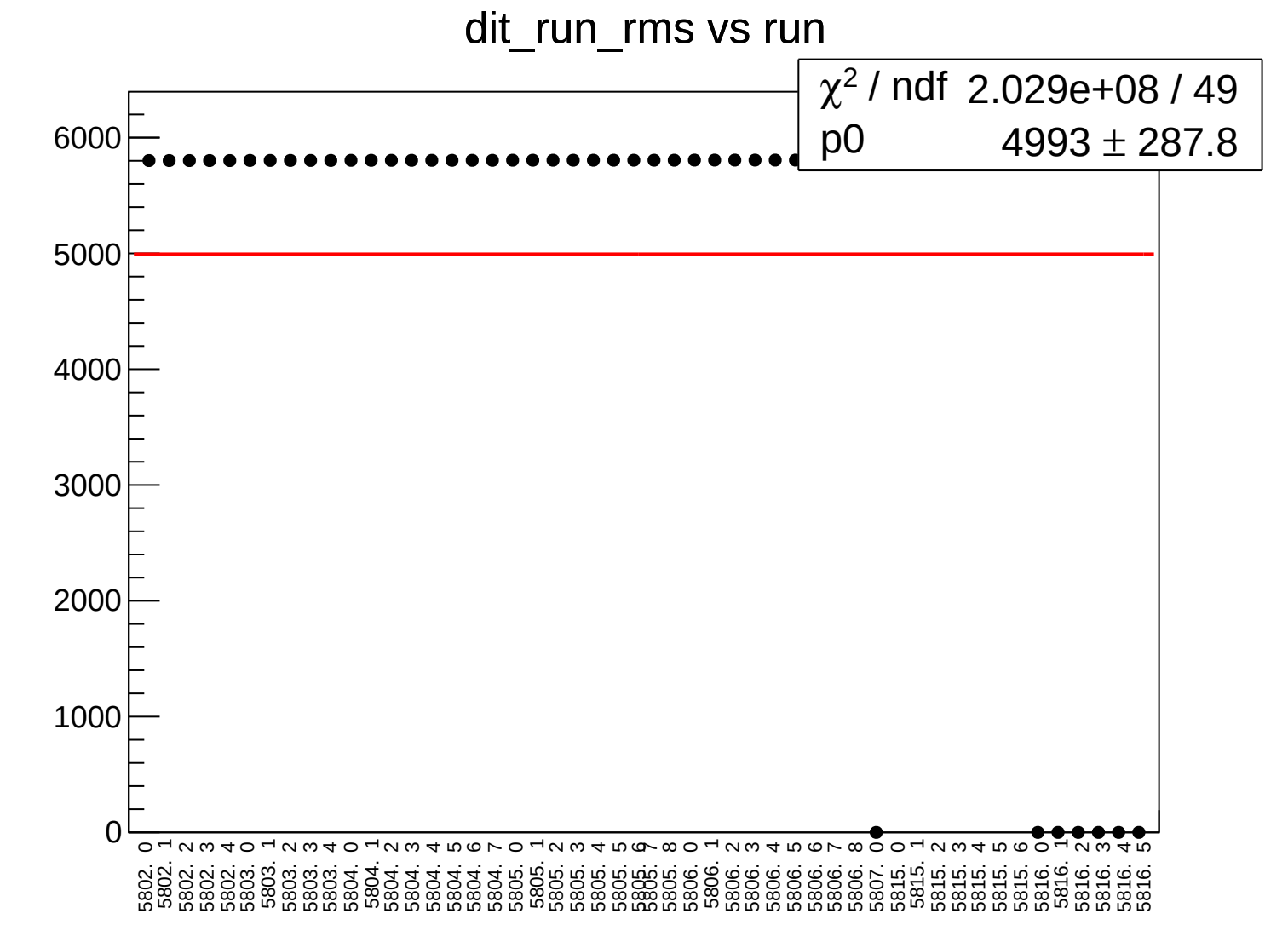

dit_sam8_coil6_err_mean vs run
χ² / ndf 2.572e+33 / 49
p0 13.41± 1.414e−16
pull
Entries 50
Mean 2.052e+09
Std Dev 2.052e+09
×10¹²

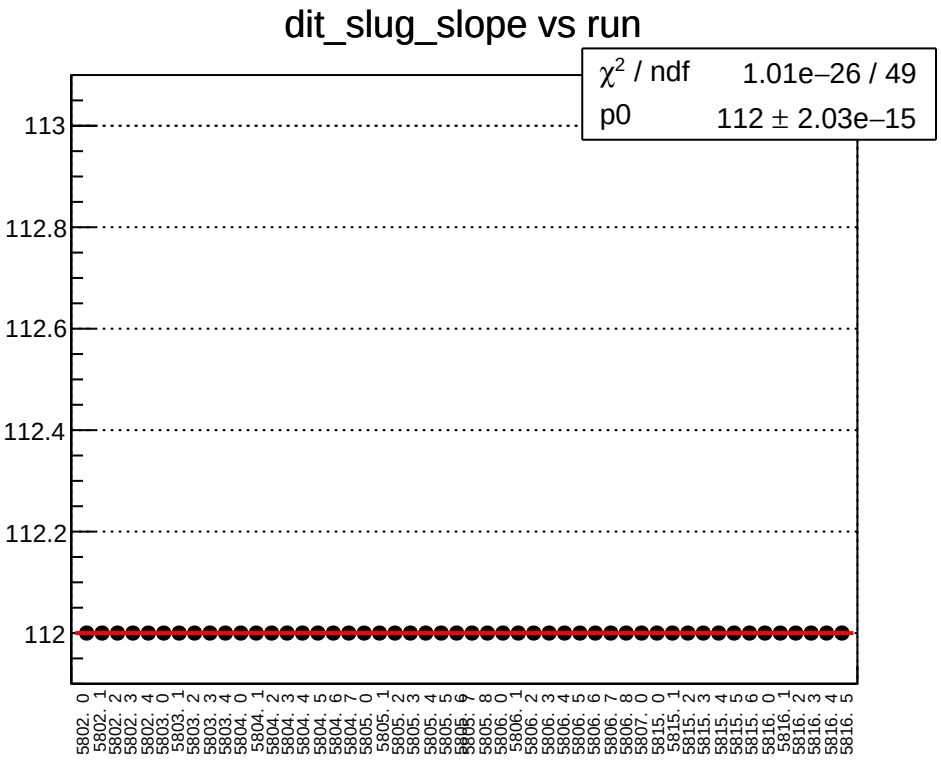

pull1D
Entries 50
Mean 0
Std Dev 0

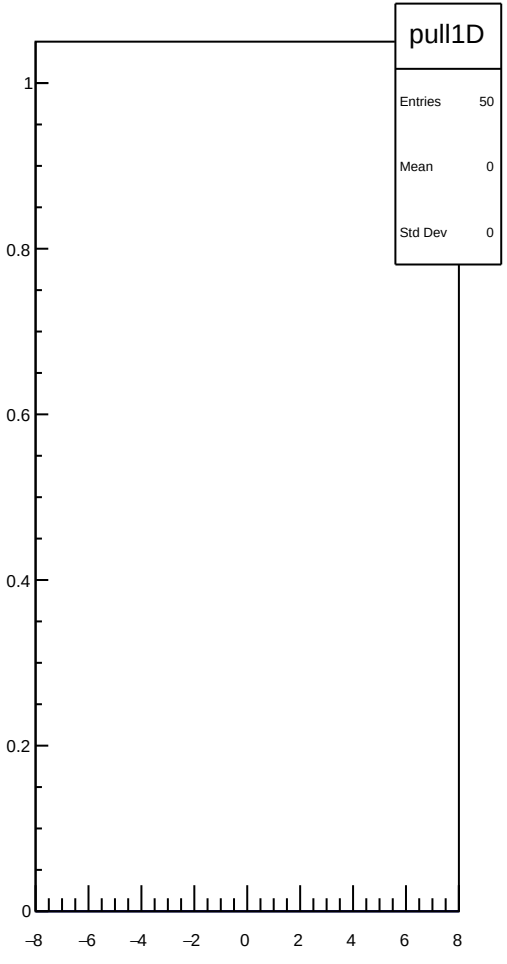

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.275e+37 / 49
p0 1168 ± 1.414e−16
1600
1400
1200
1000
800
600
400
200
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 50
Mean −3.038e+08
Std Dev 3.038e+08
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

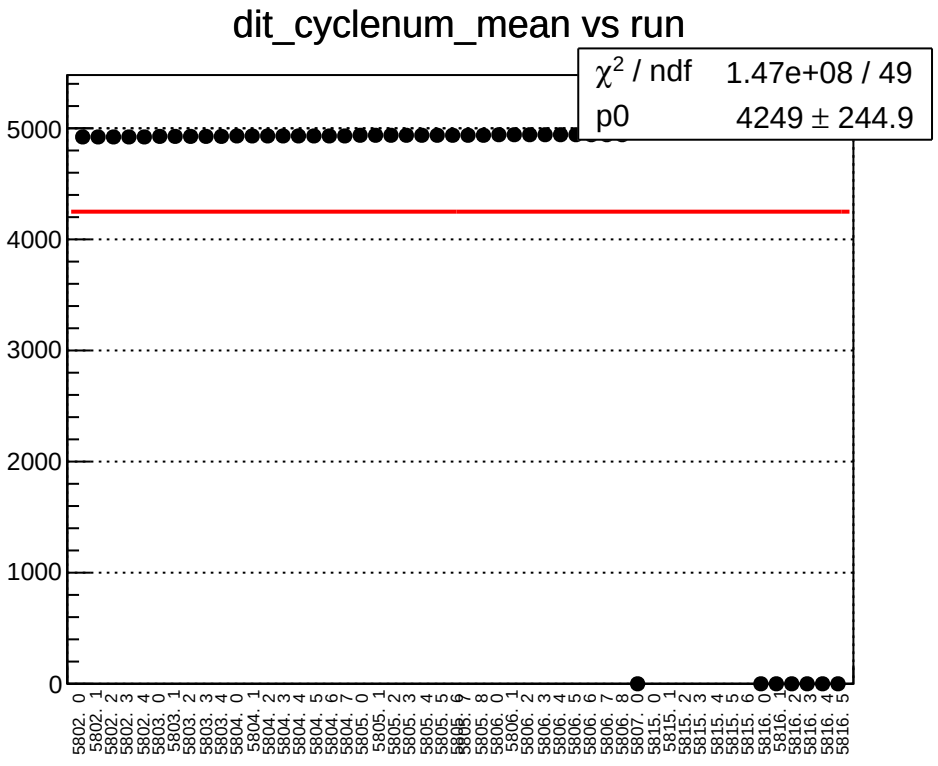

dit_run_mean vs run
χ² / ndf 2.029e+08 / 49
p0 4993 ± 287.8
6000
5000
4000
3000
2000
1000
0

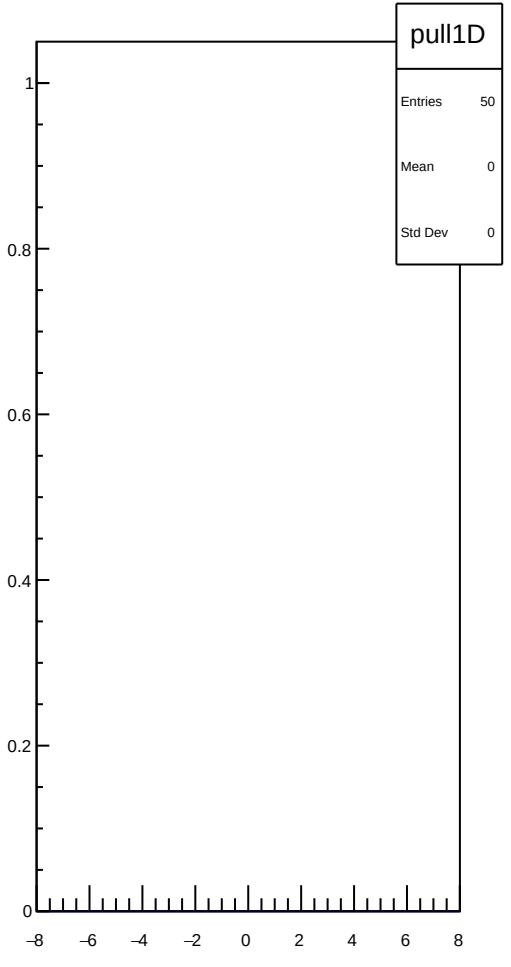

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

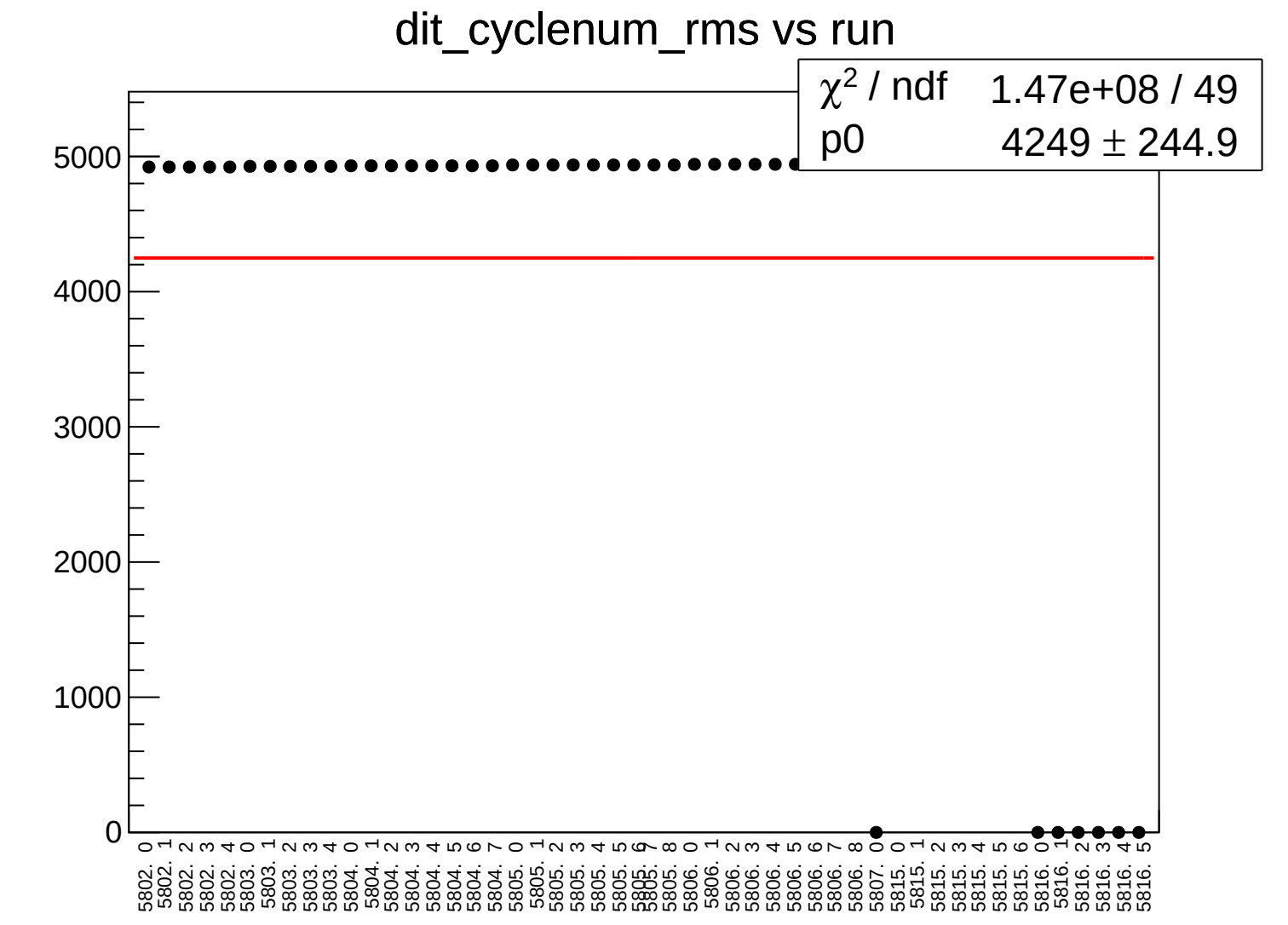

dit_run_rms vs run
χ² / ndf 2.029e+08 / 49
p0 4993 ± 287.8
6000
5000
4000
3000
2000
1000
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

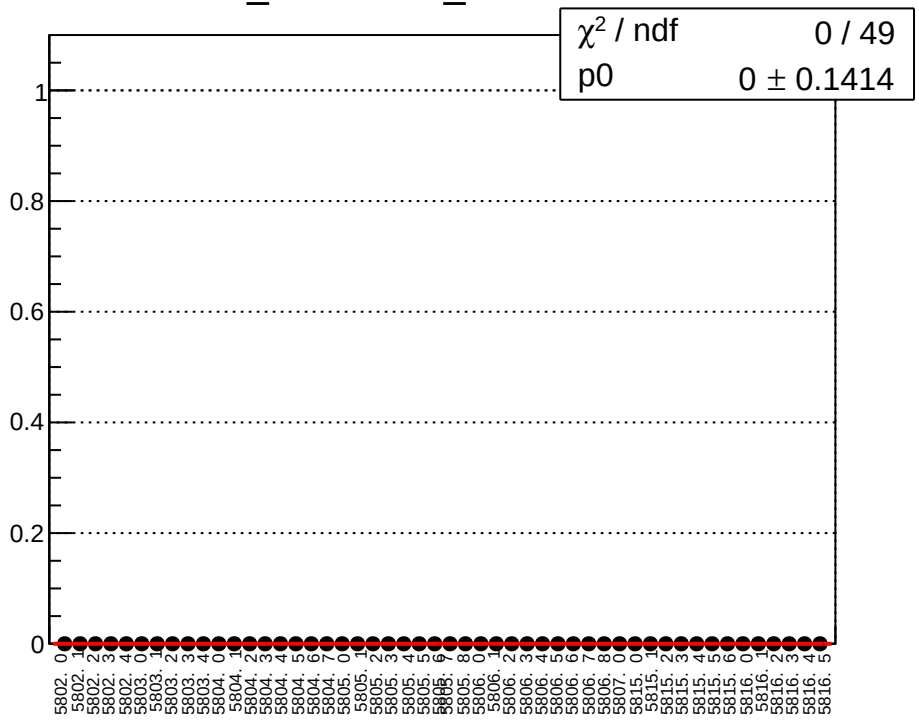

dit_slug_slope vs run
χ² / ndf 1.01e−26 / 49
p0 112 ± 2.03e−15
113
112.8
112.6
112.4
112.2
112

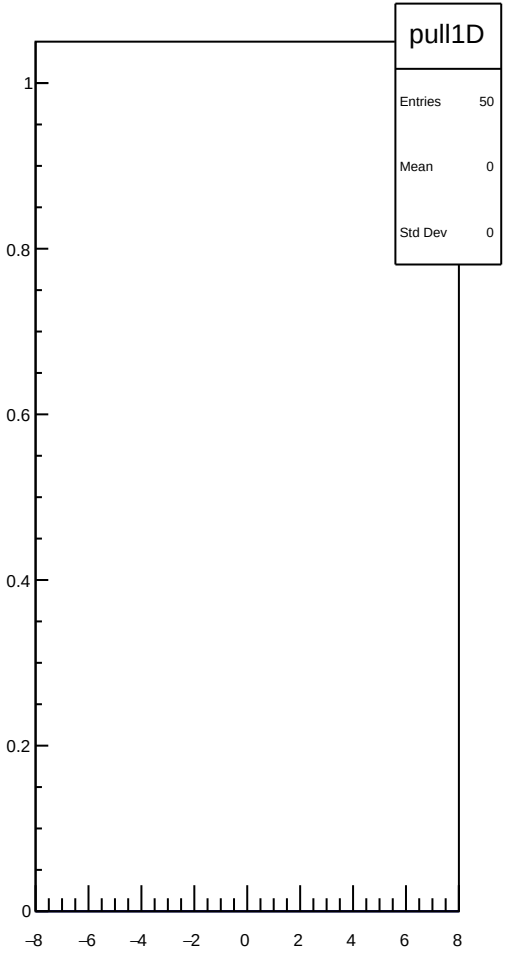

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

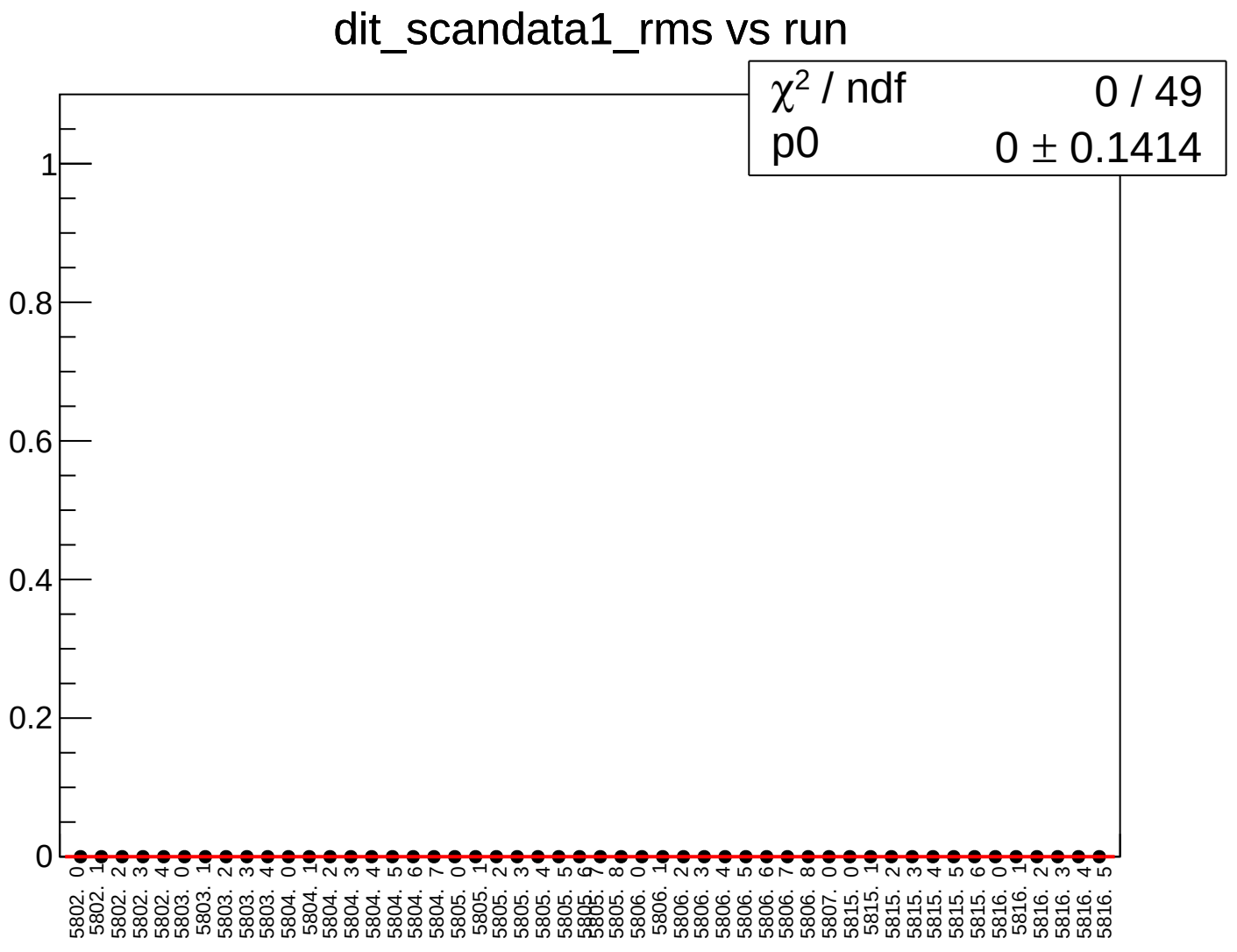

dit_cyclenum_mean vs run
χ² / ndf 1.47e+08 / 49
p0 4249 ± 244.9
5000
4000
3000
2000
1000
0

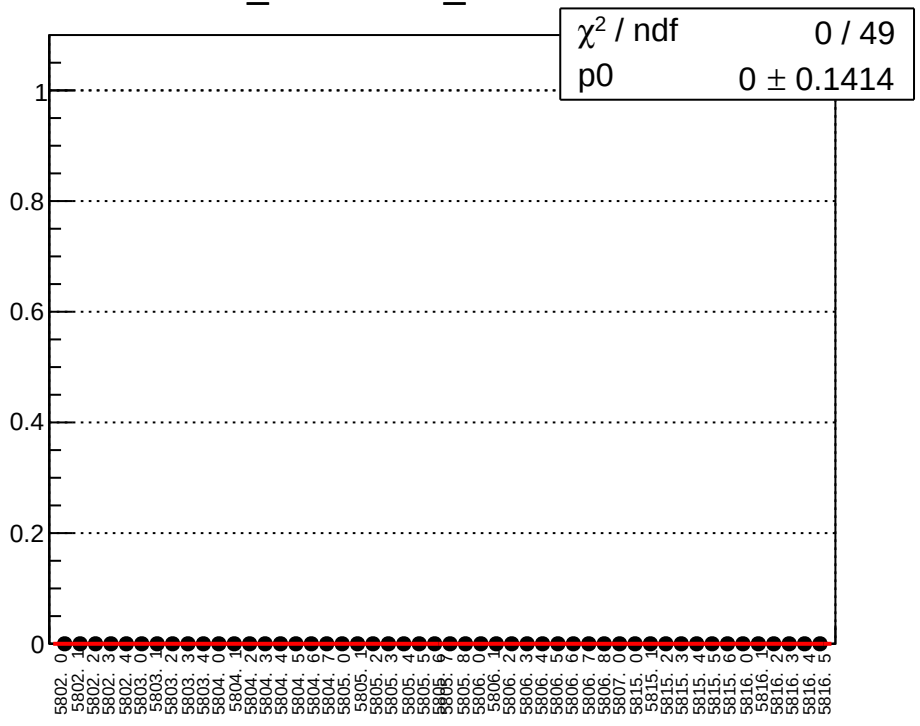

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

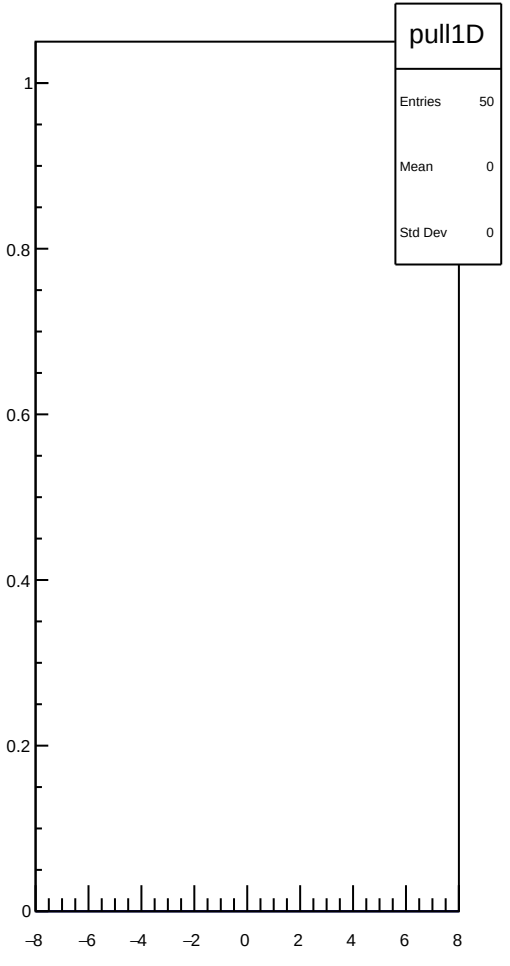

dit_cyclenum_rms vs run
χ² / ndf 1.47e+08 / 49
p0 4249 ± 244.9
5000
4000
3000
2000
1000
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_scandata1_mean vs run
χ² / ndf 0 / 49
p0 0 ± 0.1414
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_scandata1_rms vs run
χ² / ndf 0 / 49
p0 0 ± 0.1414
1
0.8
0.6
0.4
0.2
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_scandata2_mean vs run
χ² / ndf 0 / 49
p0 0 ± 0.1414
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
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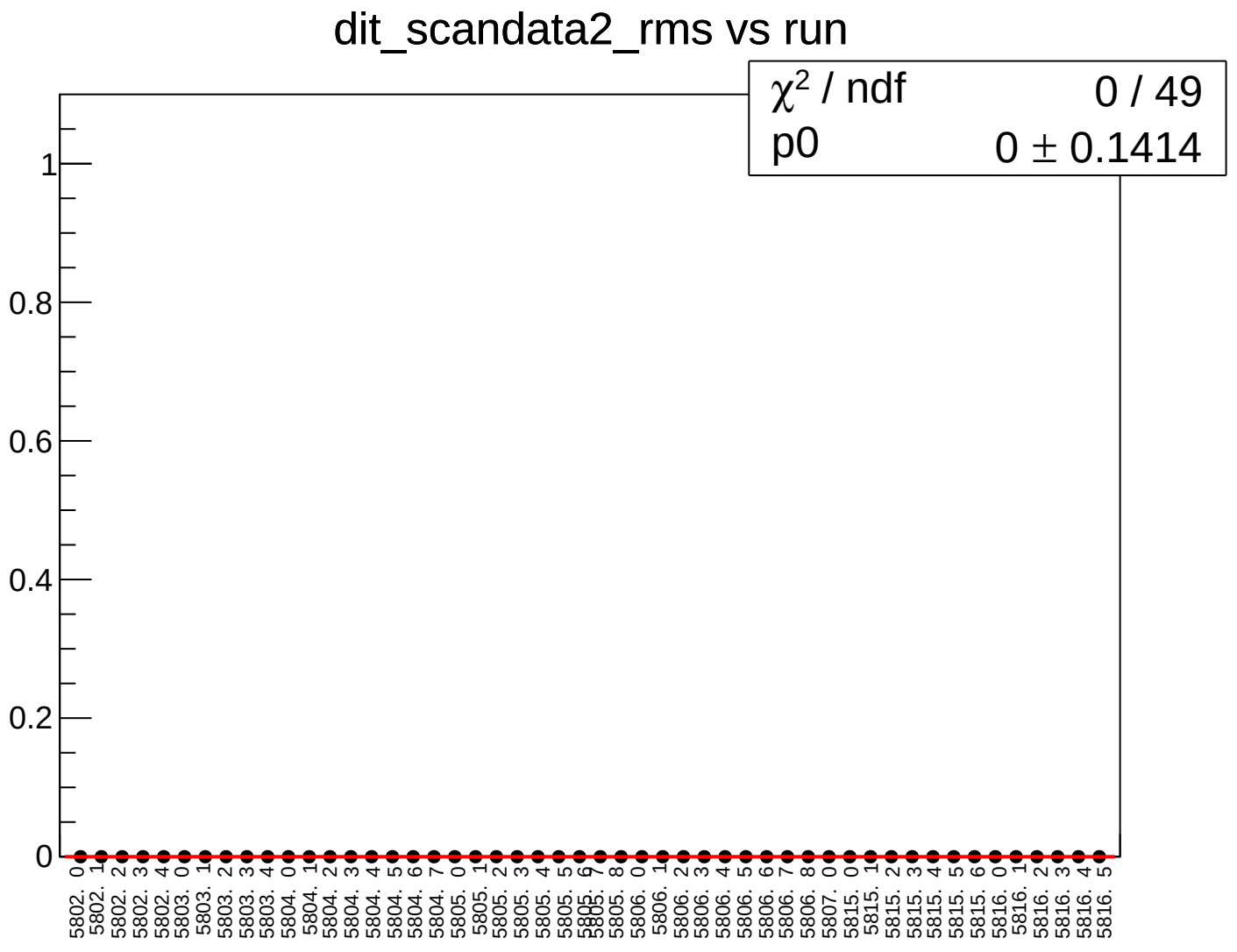
0
2
4
6
8


dit_scandata2_rms vs run
χ² / ndf 0 / 49
p0 0 ± 0.1414
1
0.8
0.6
0.4
0.2
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
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5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
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5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
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5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
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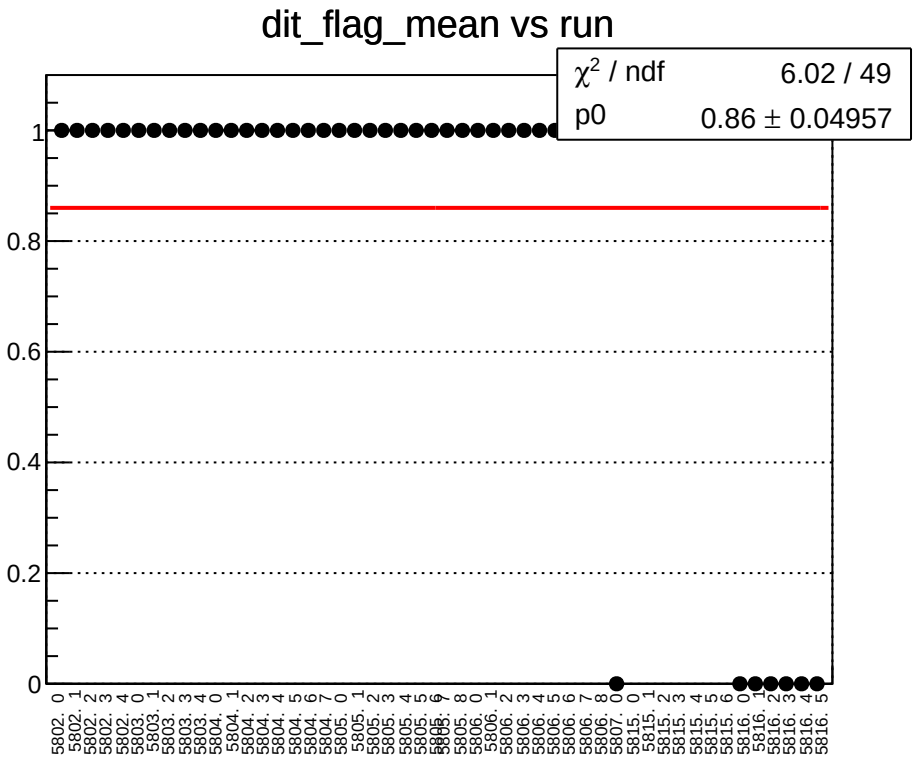
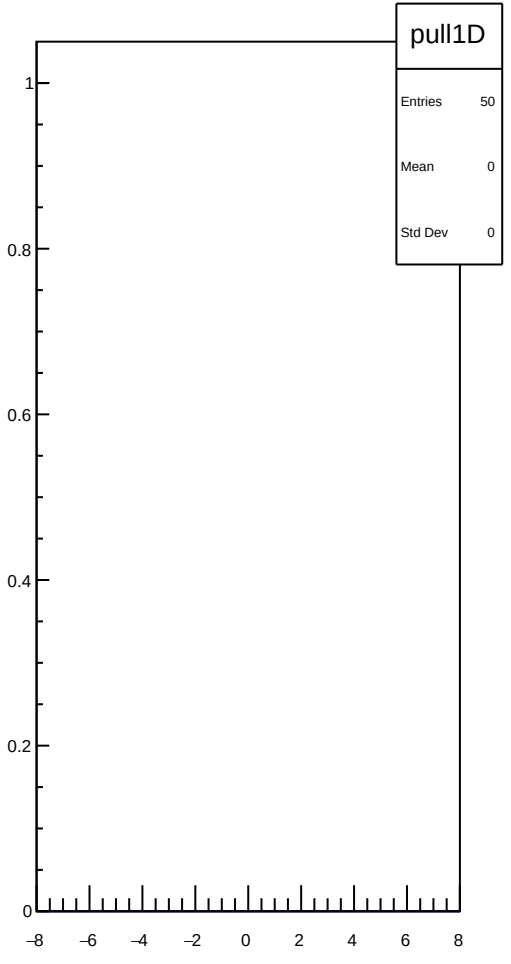
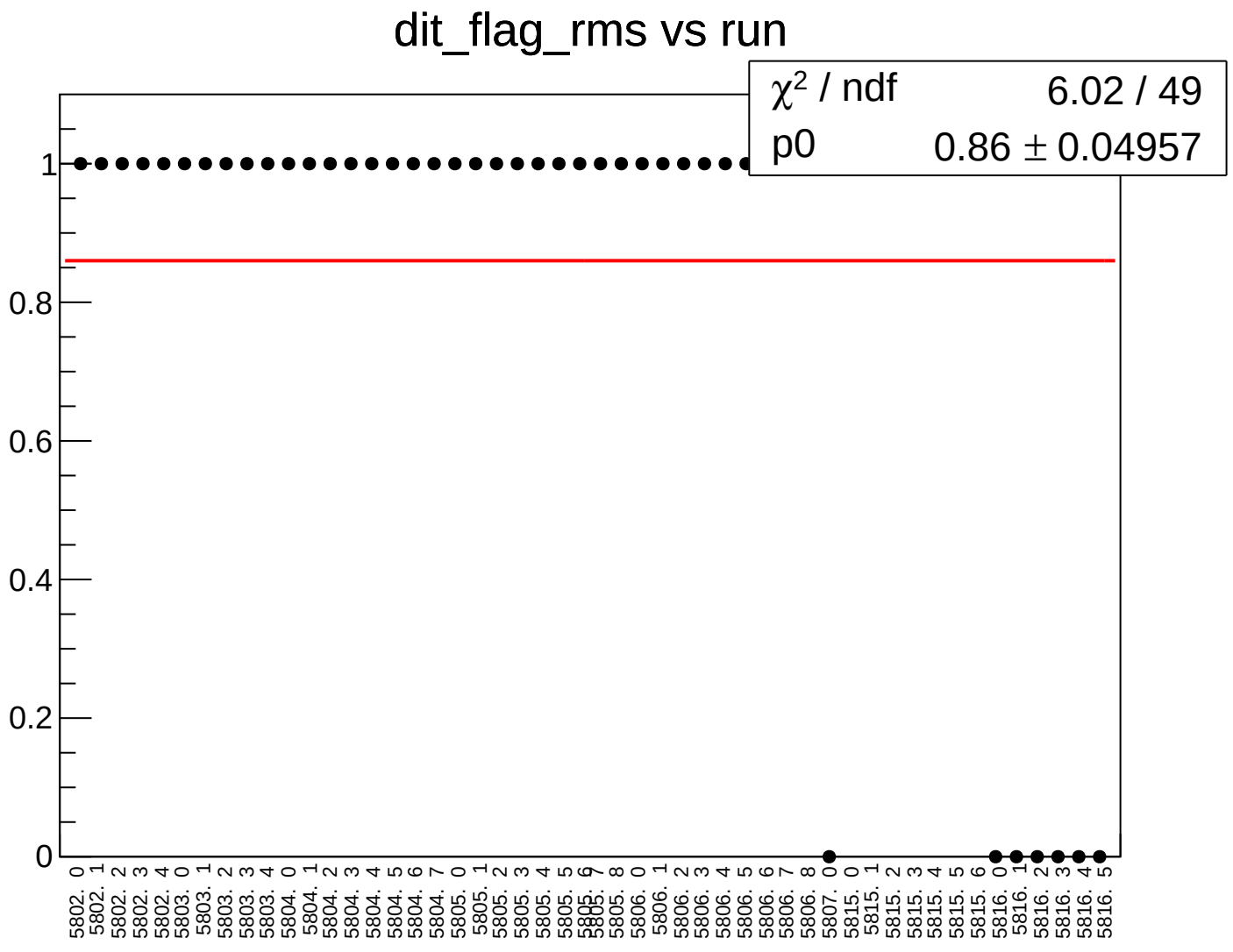
5816. 4
5816. 5


dit_flag_mean vs run
χ² / ndf 6.02 / 49
p0 0.86 ± 0.04957
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_flag_rms vs run
χ² / ndf 6.02 / 49
p0 0.86 ± 0.04957
1
0.8
0.6
0.4
0.2
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
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5807. 0
5815. 0
5815. 1
5815. 2
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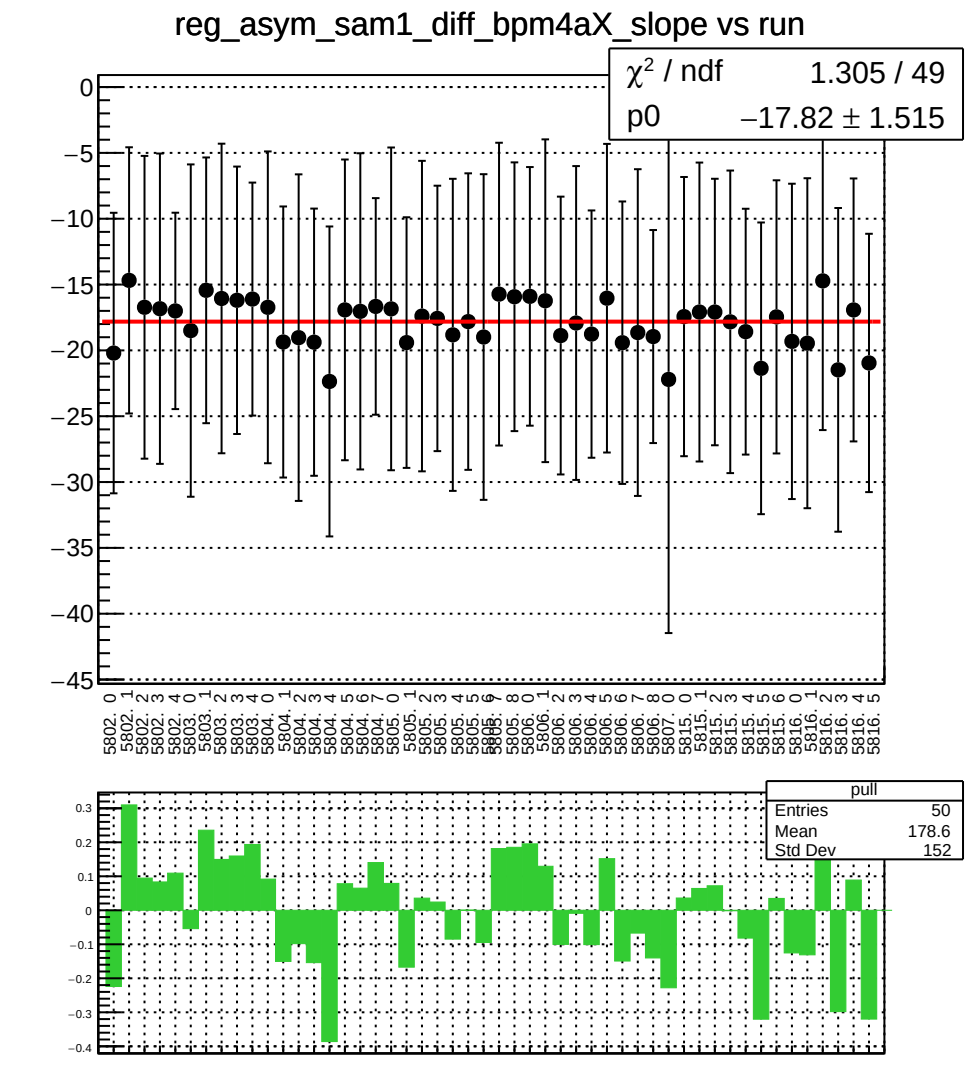
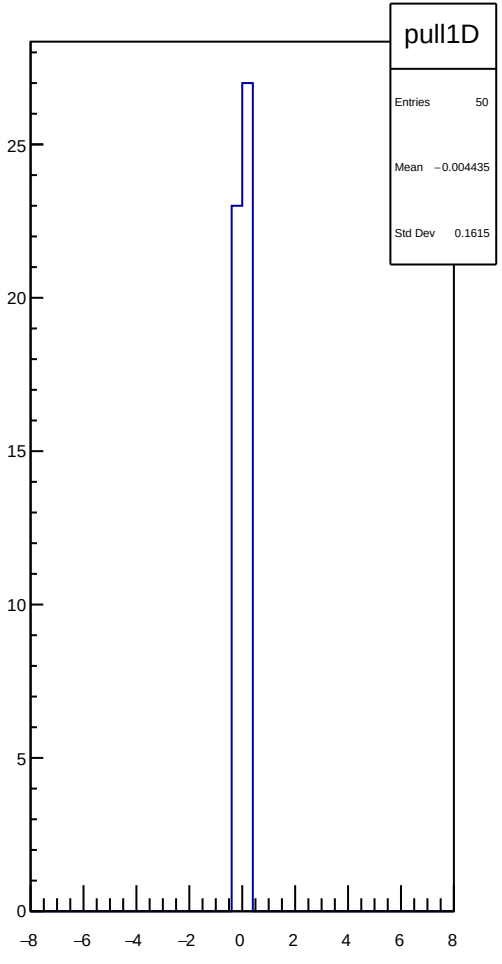
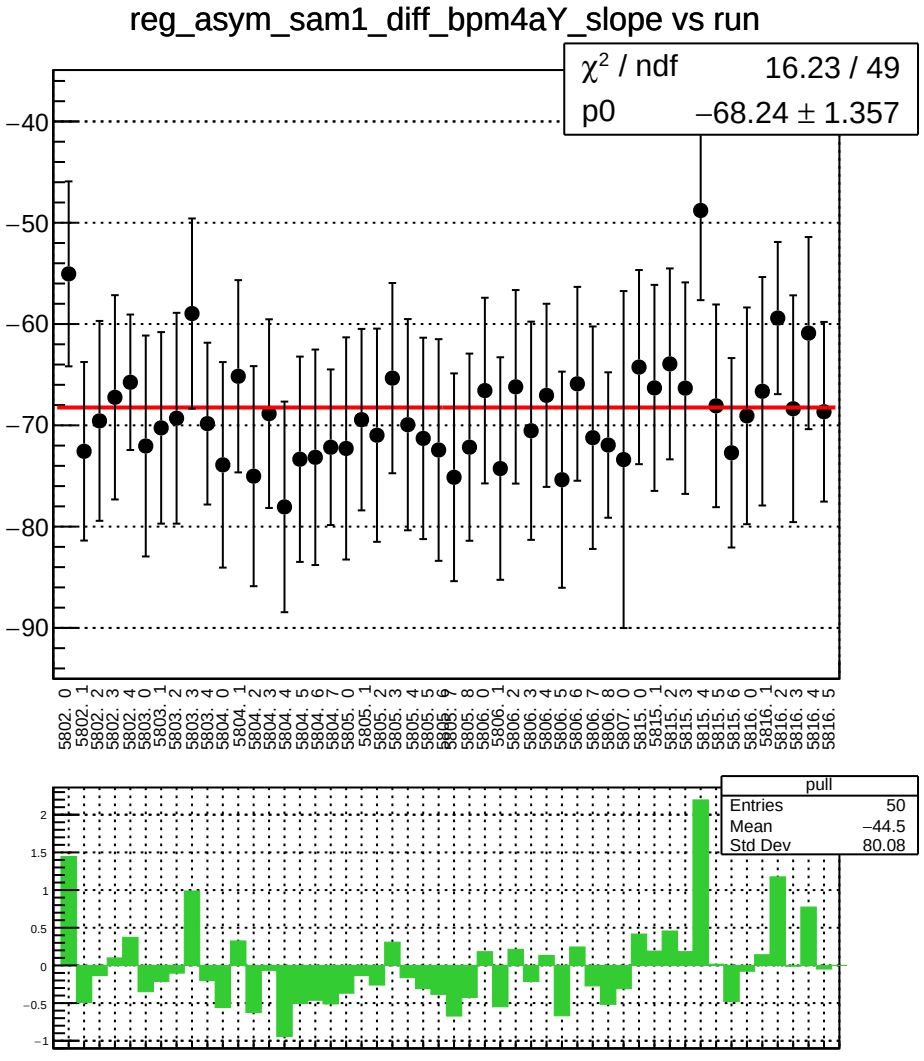
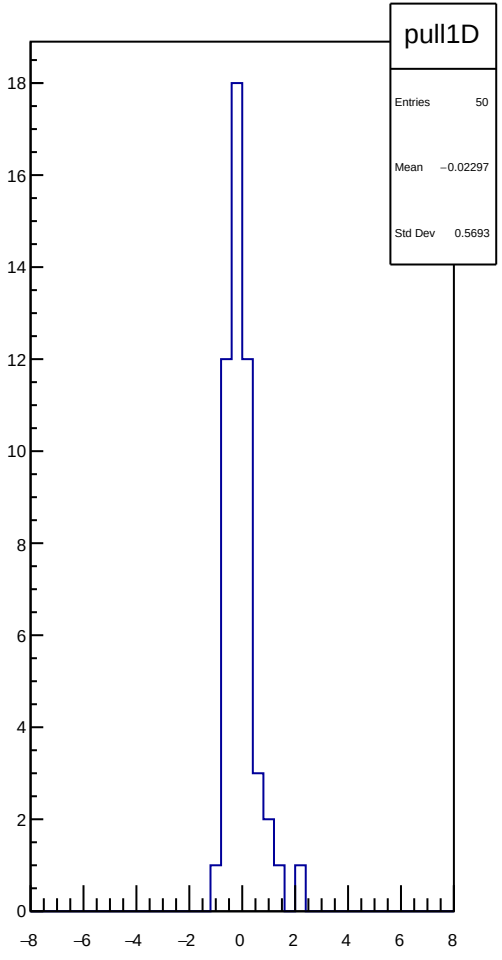
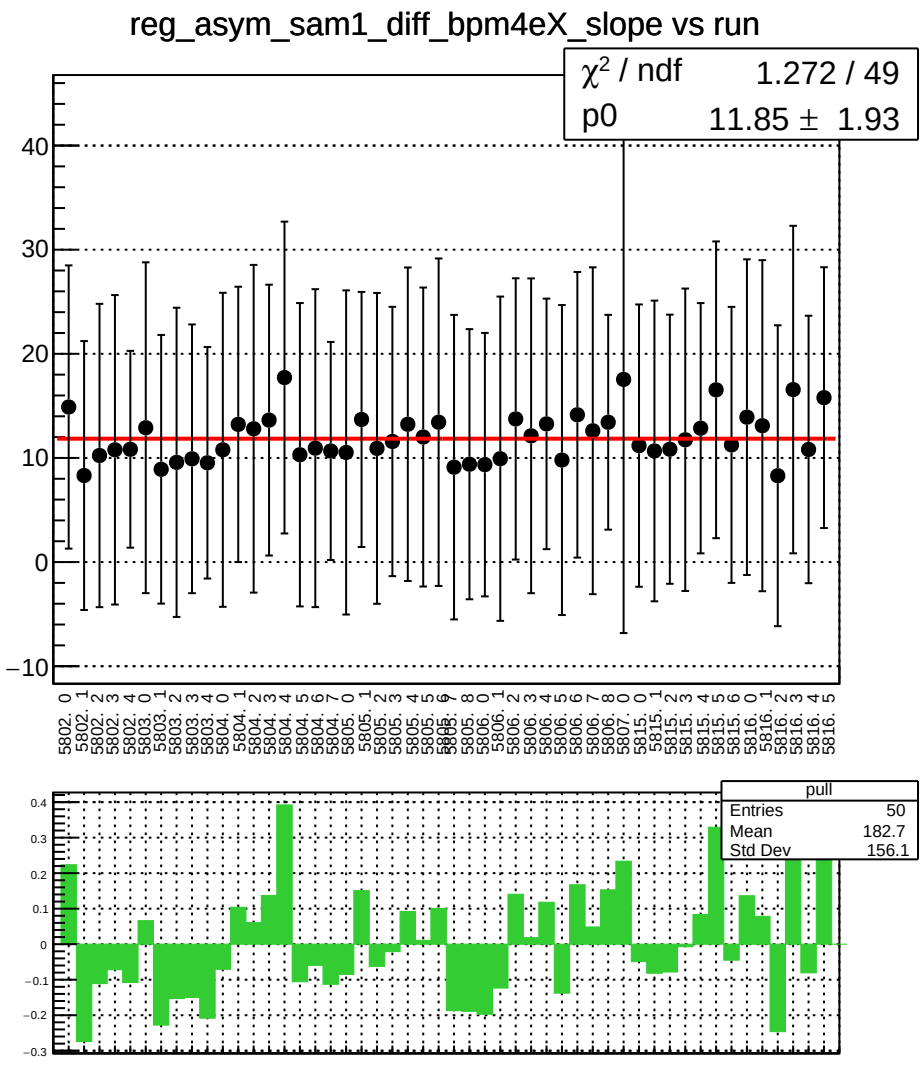
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

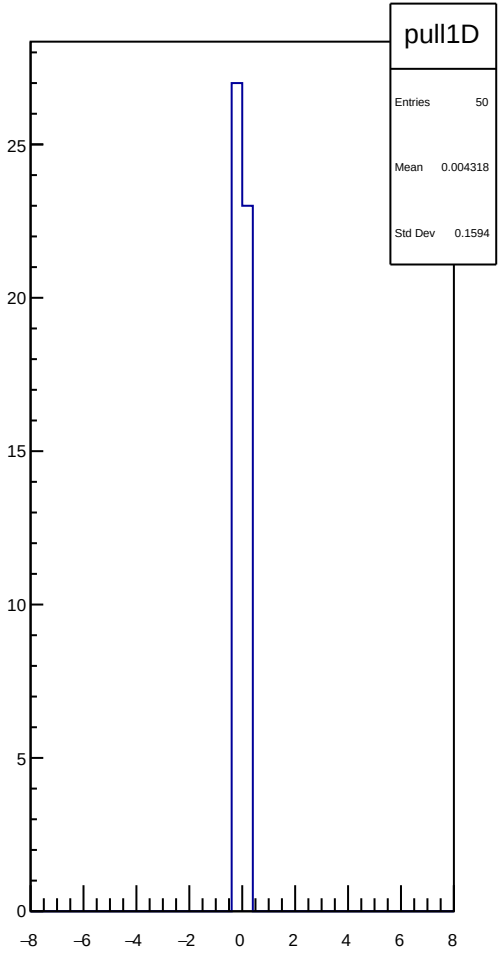

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 1.305 / 49
p0 −17.82 ± 1.515
pull
Entries 50
Mean 178.6
Std Dev 152

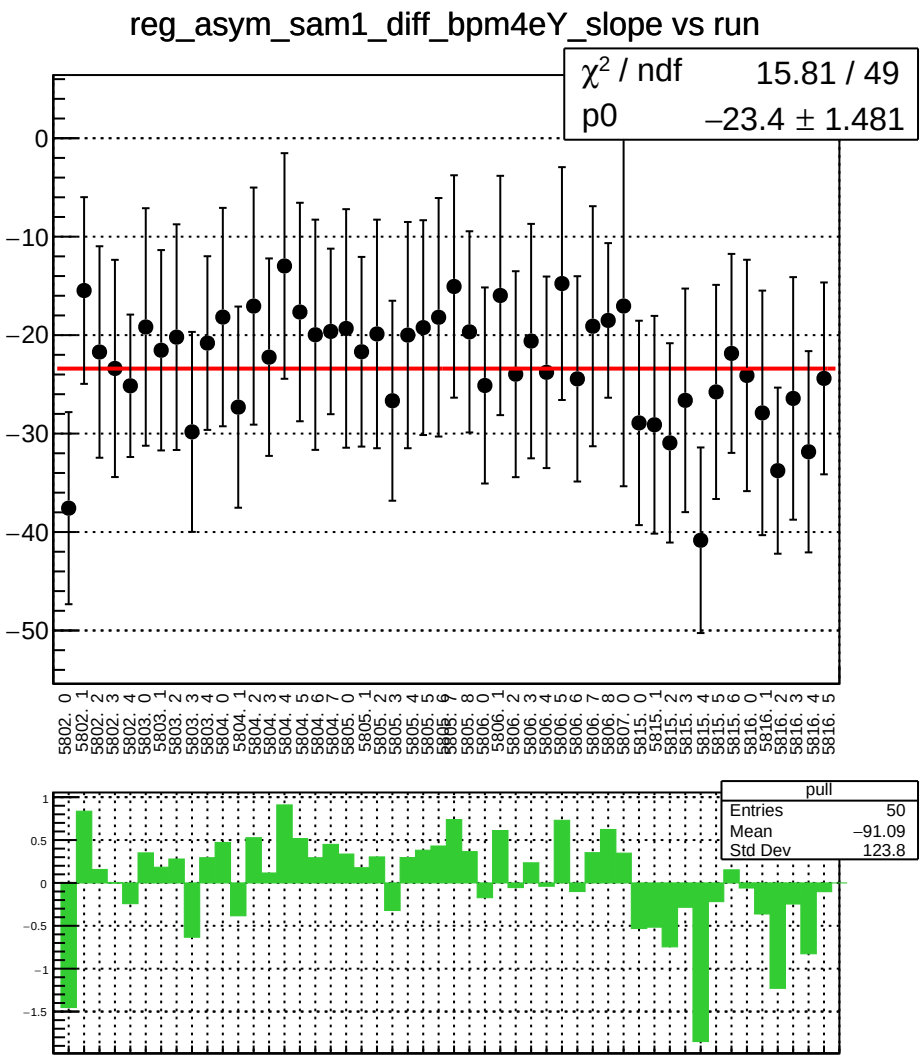

pull1D
Entries 50
Mean −0.004435
Std Dev 0.1615

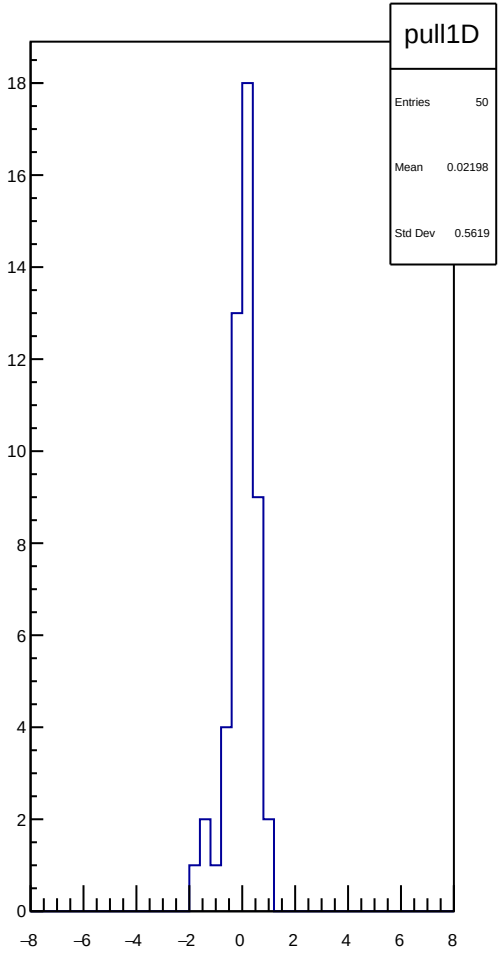

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 16.23 / 49
p0 −68.24 ± 1.357
pull
Entries 50
Mean −44.5
Std Dev 80.08

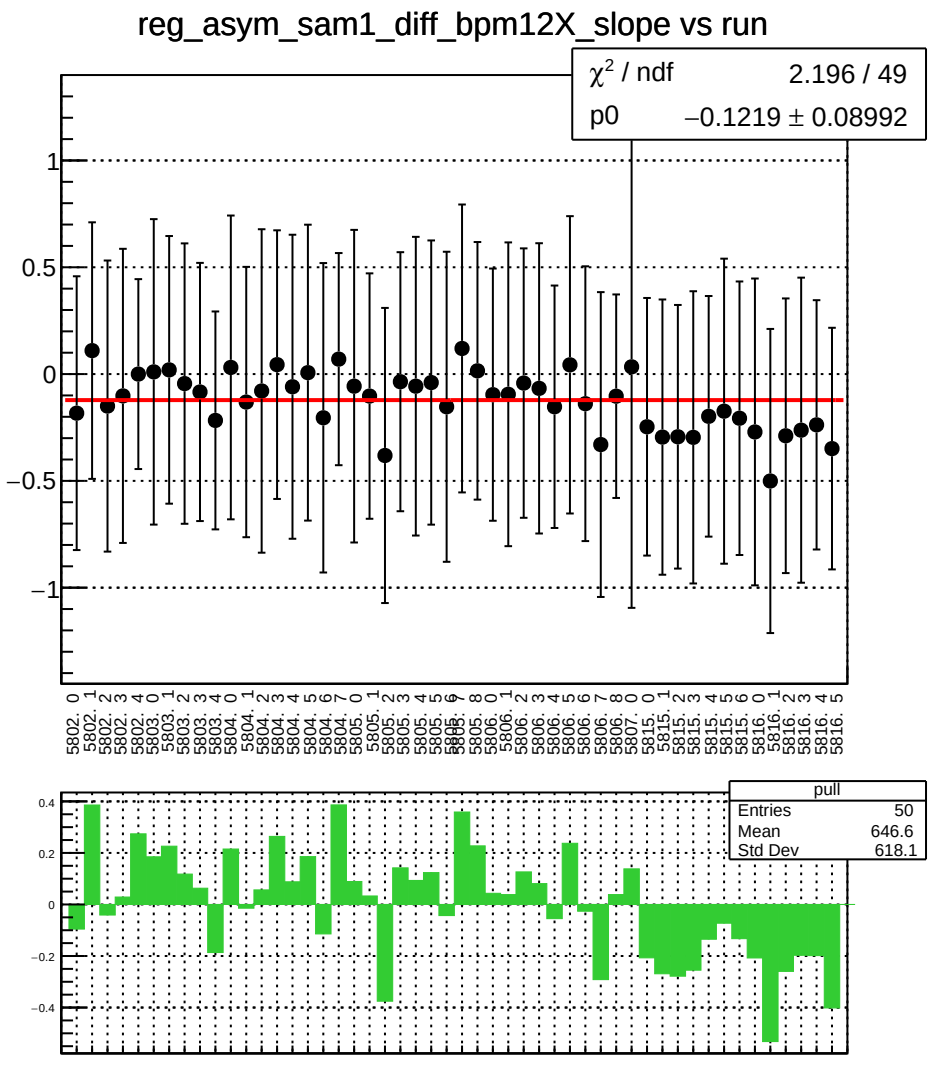

pull1D
Entries 50
Mean −0.02297
Std Dev 0.5693

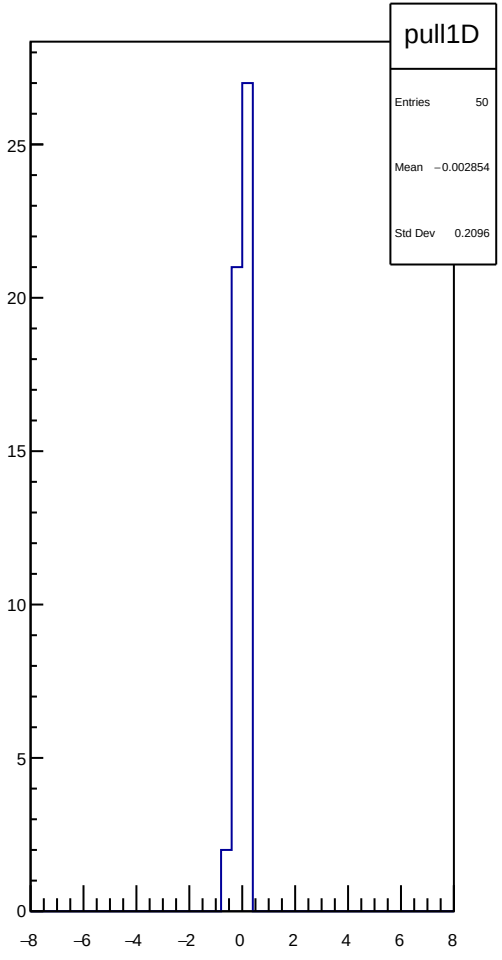

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.272 / 49
p0 11.85 ± 1.93
pull
Entries 50
Mean 182.7
Std Dev 156.1

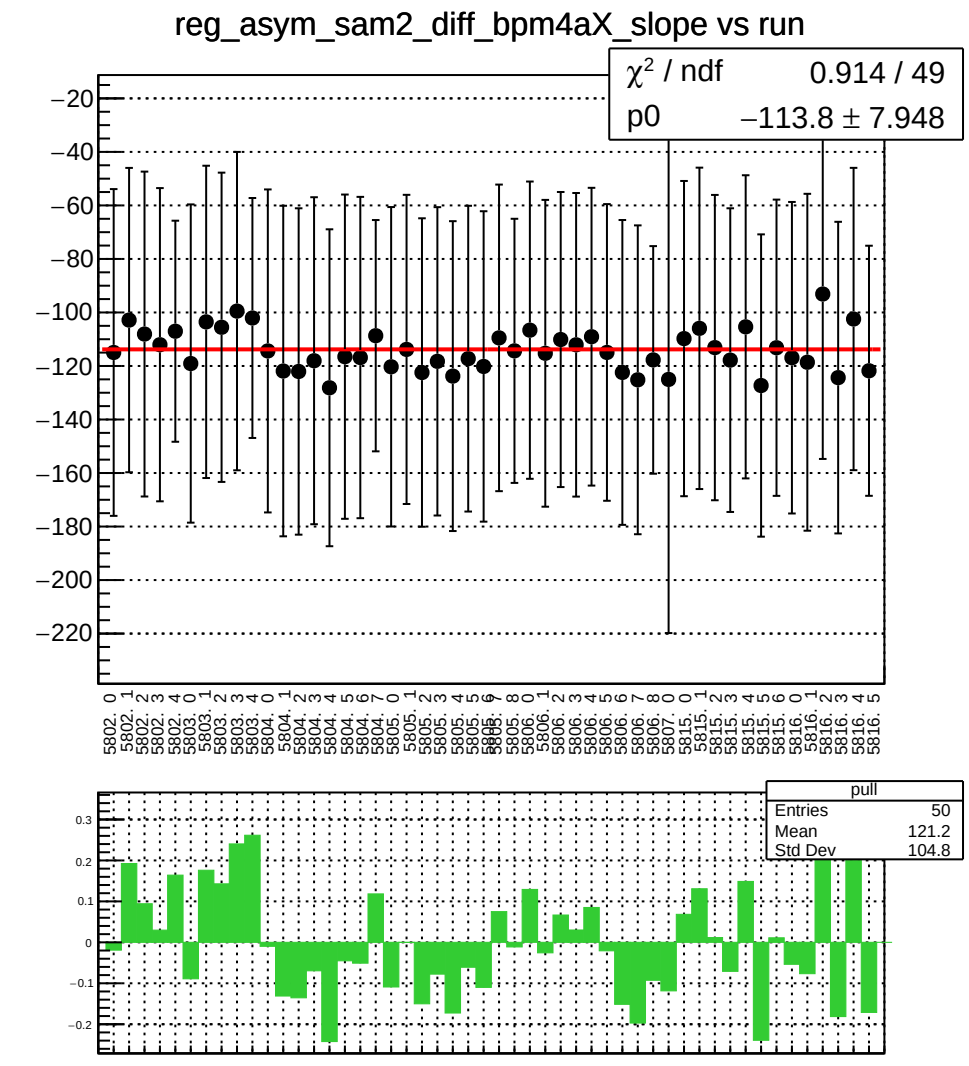

pull1D
Entries 50
Mean 0.004318
Std Dev 0.1594

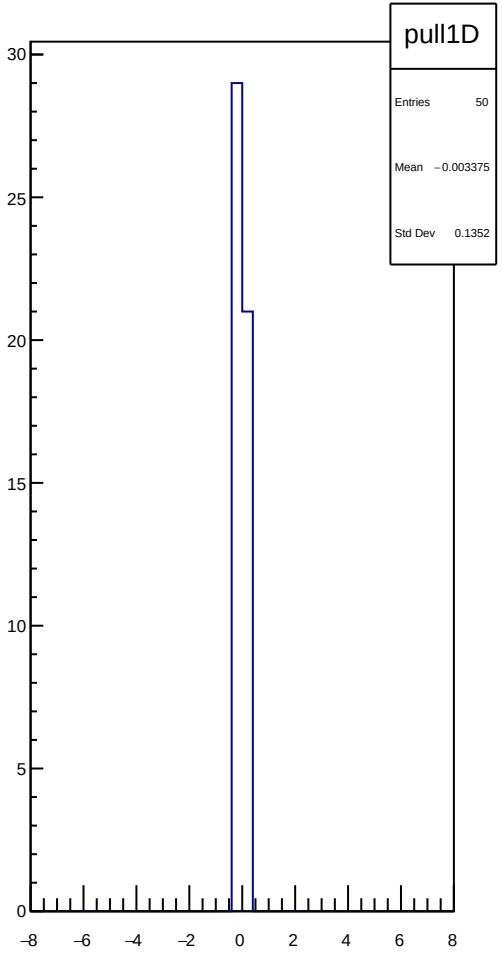

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 15.81 / 49
p0 –23.4 ± 1.481
pull
Entries 50
Mean –91.09
Std Dev 123.8

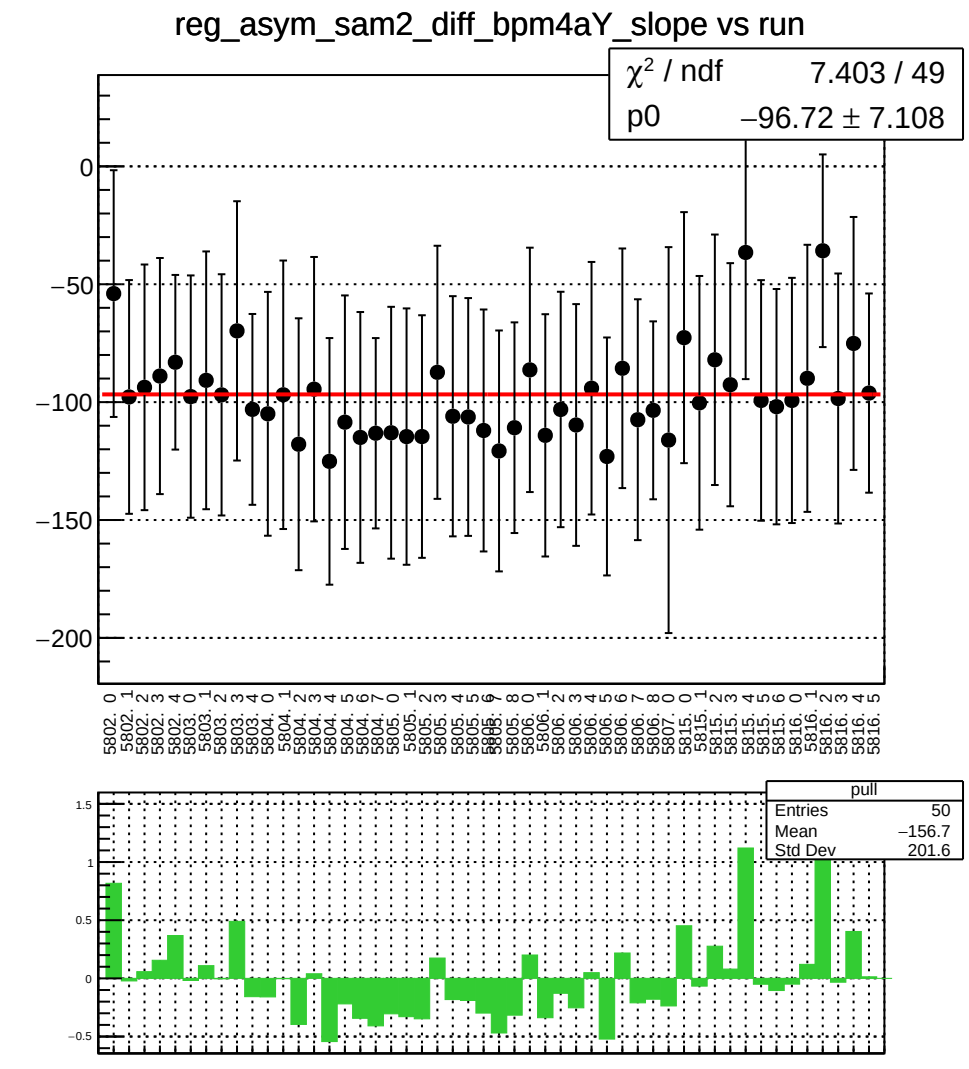

pull1D
Entries 50
Mean 0.02198
Std Dev 0.5619

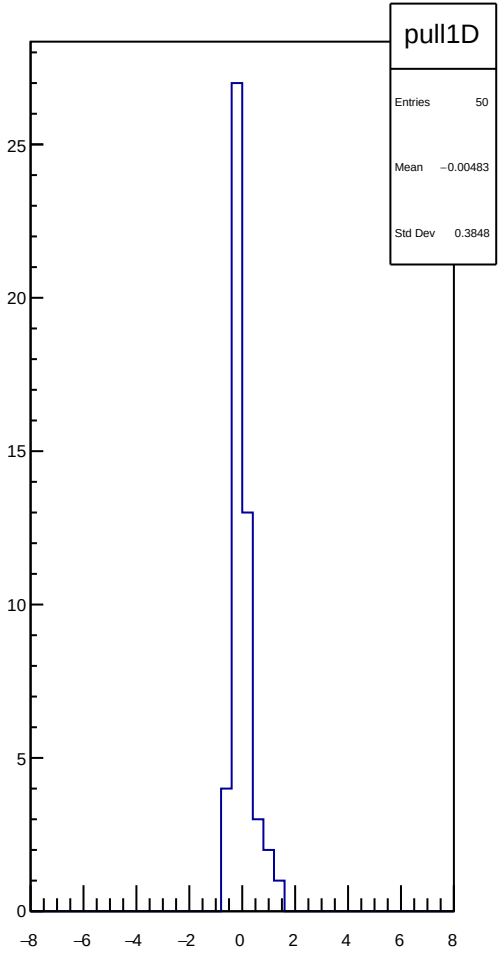

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.196 / 49
p0 −0.1219 ± 0.08992
pull
Entries 50
Mean 646.6
Std Dev 618.1

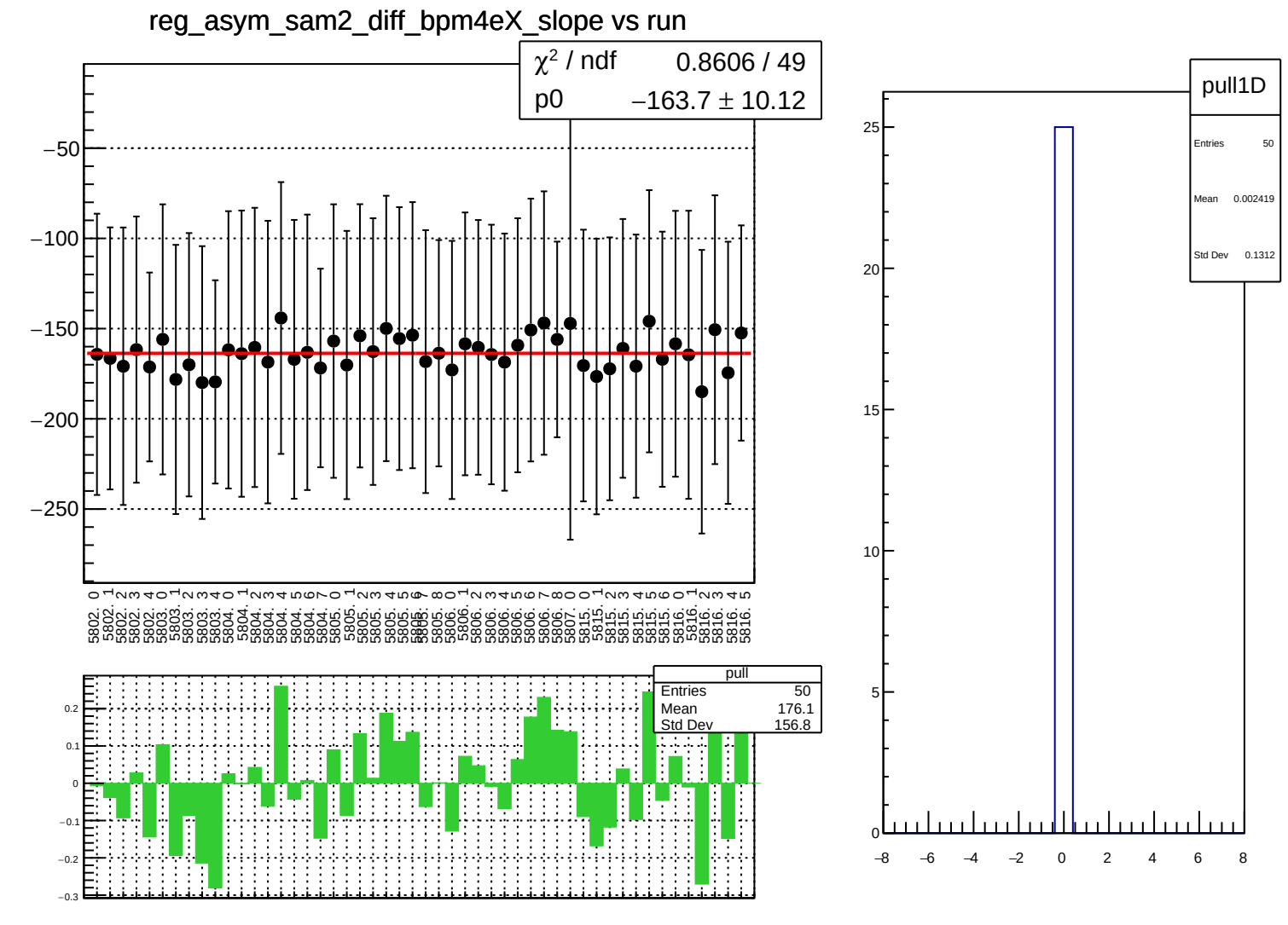

pull1D
Entries 50
Mean −0.002854
Std Dev 0.2096

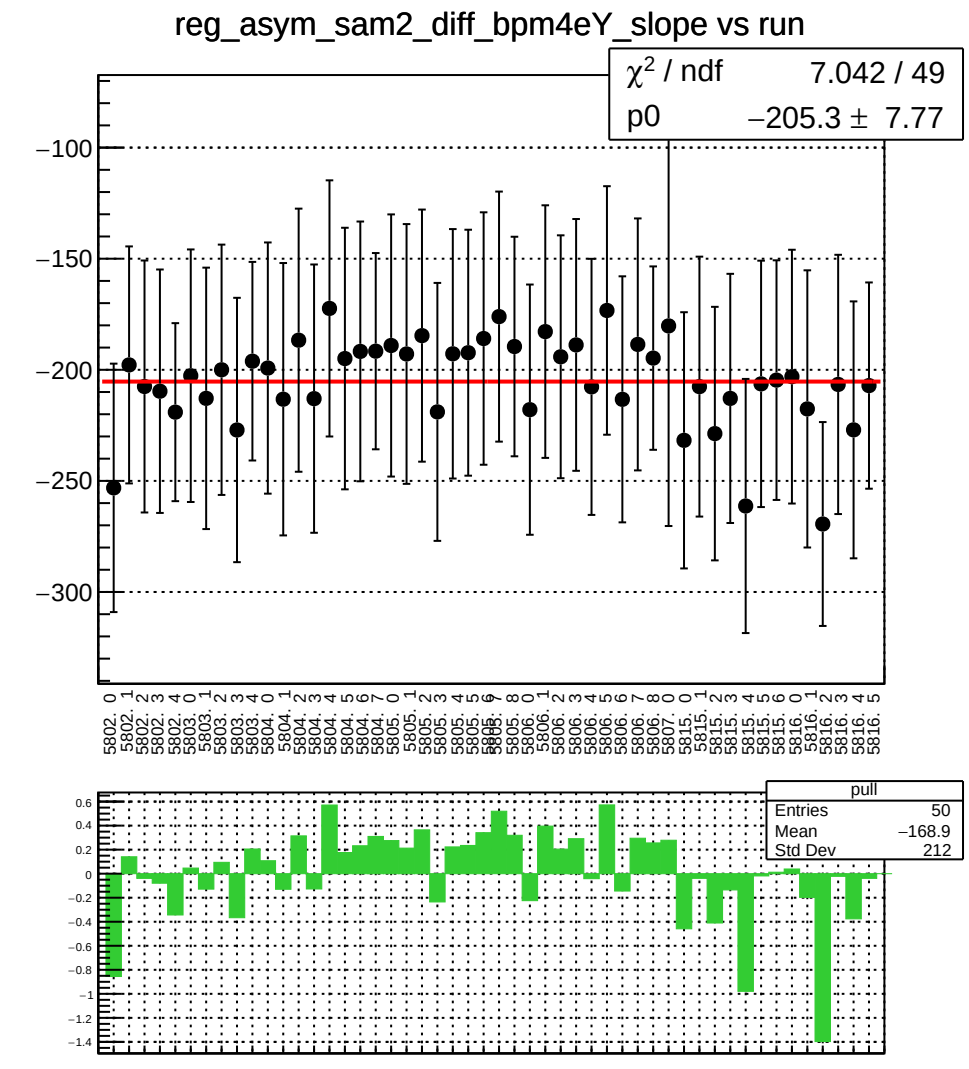

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 0.914 / 49
p0 −113.8 ± 7.948
pull
Entries 50
Mean 121.2
Std Dev 104.8

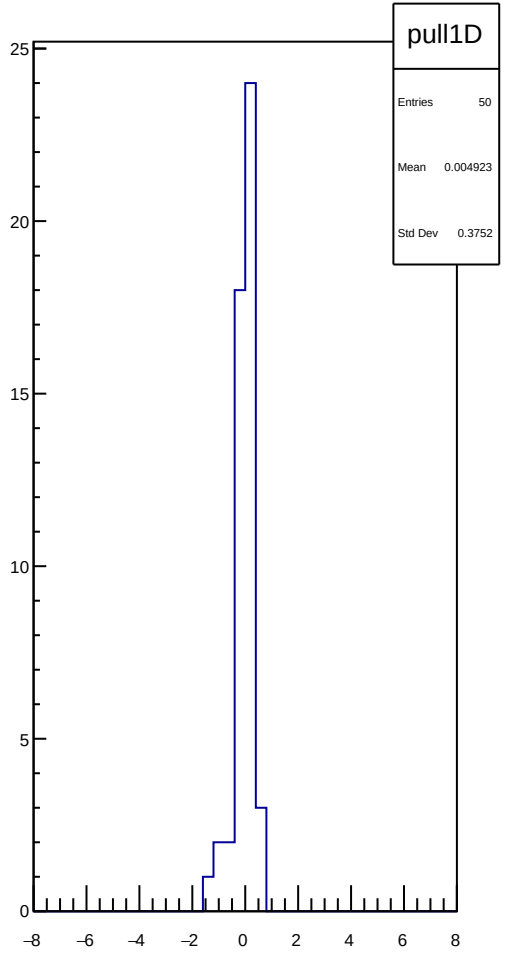

pull1D
Entries 50
Mean −0.003375
Std Dev 0.1352

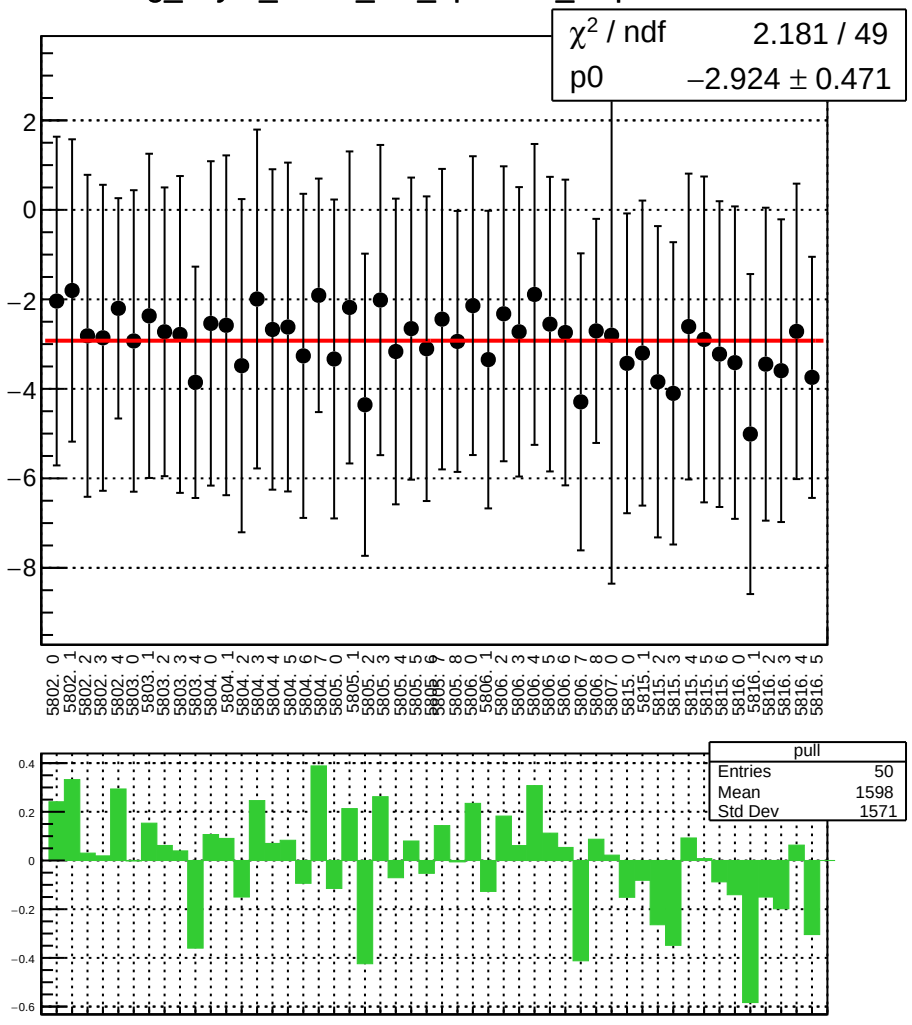

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.403 / 49
p0 −96.72 ± 7.108
0
−50
−100
−150
−200
pull
Entries 50
Mean −156.7
Std Dev 201.6
1.5
1
0.5
0
−0.5

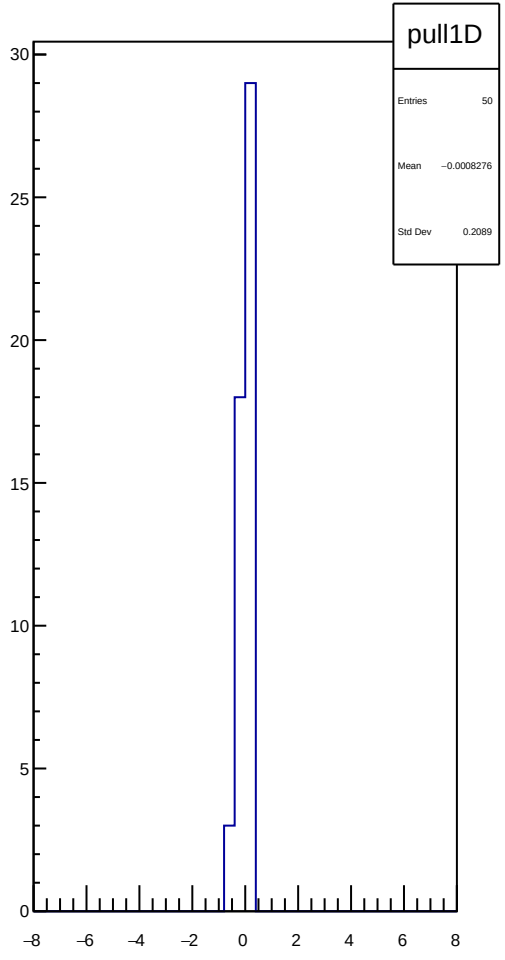

pull1D
Entries 50
Mean −0.00483
Std Dev 0.3848
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

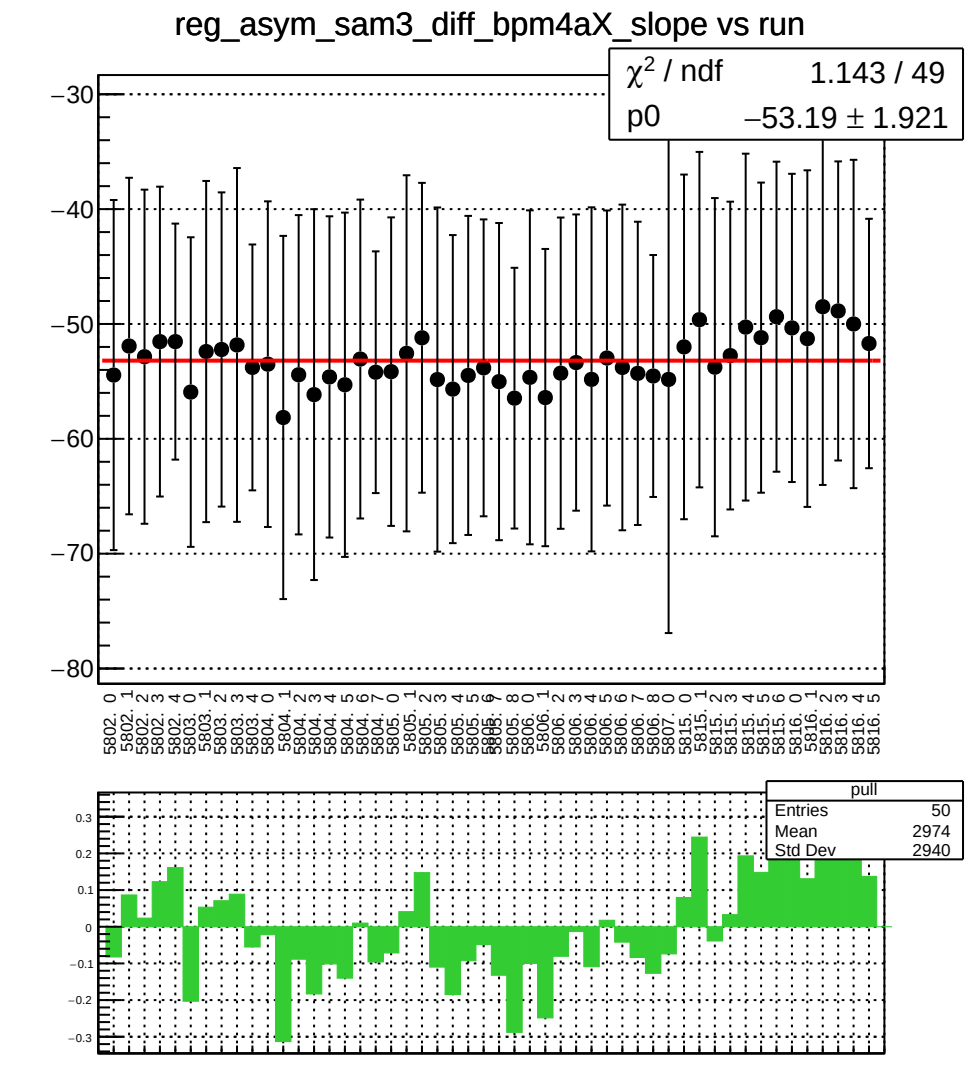

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.8606 / 49
p0 −163.7 ± 10.12
pull
Entries 50
Mean 176.1
Std Dev 156.8
pull1D
Entries 50
Mean 0.002419
Std Dev 0.1312

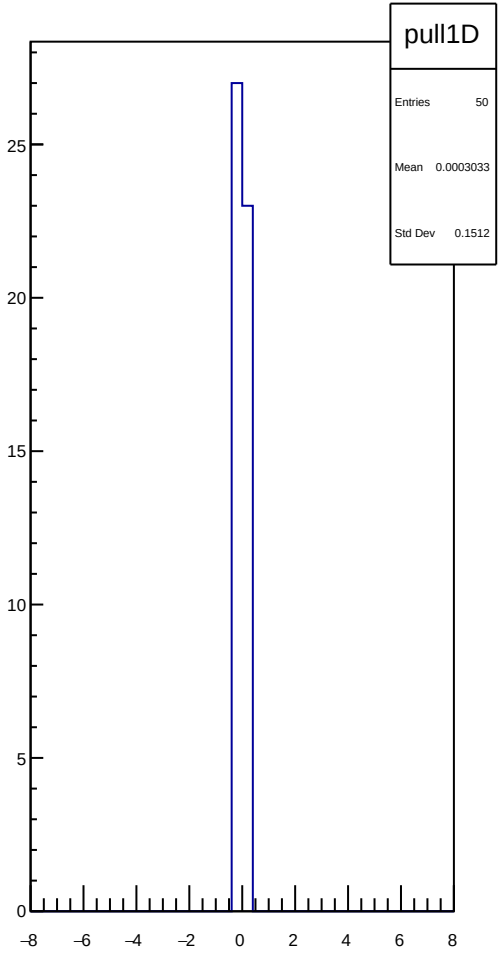

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.042 / 49
p0 −205.3 ± 7.77
pull
Entries 50
Mean −168.9
Std Dev 212

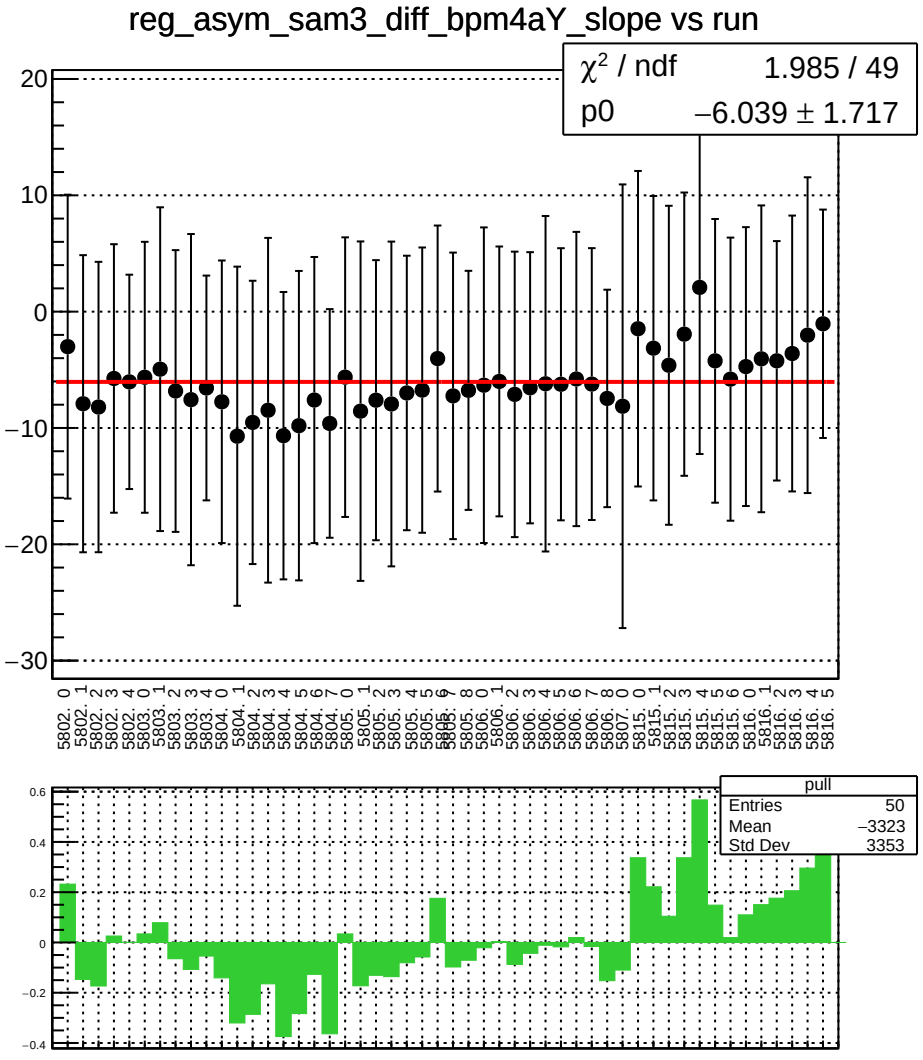

pull1D
Entries 50
Mean 0.004923
Std Dev 0.3752

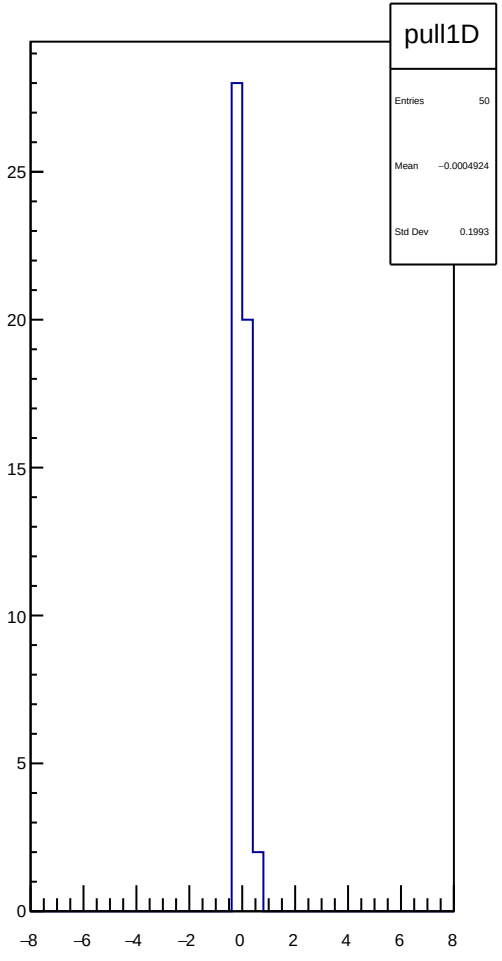

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.181 / 49
p0 −2.924 ± 0.471
pull
Entries 50
Mean 1598
Std Dev 1571

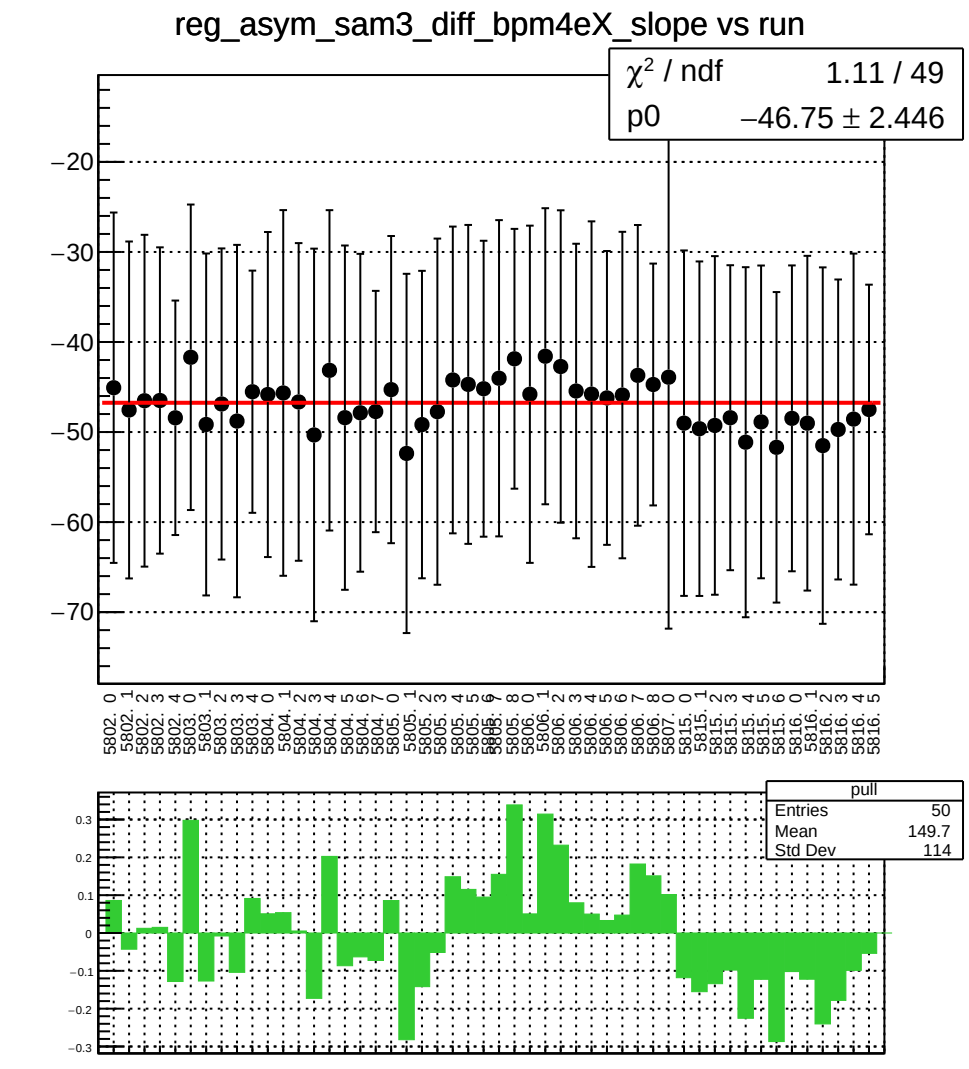

pull1D
Entries 50
Mean −0.0008276
Std Dev 0.2089

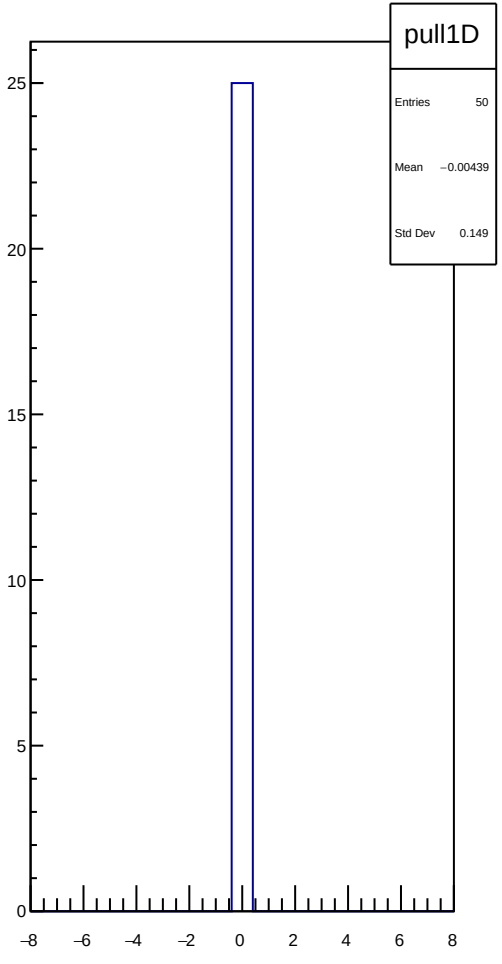

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 1.143 / 49
p0 −53.19 ± 1.921
pull
Entries 50
Mean 2974
Std Dev 2940

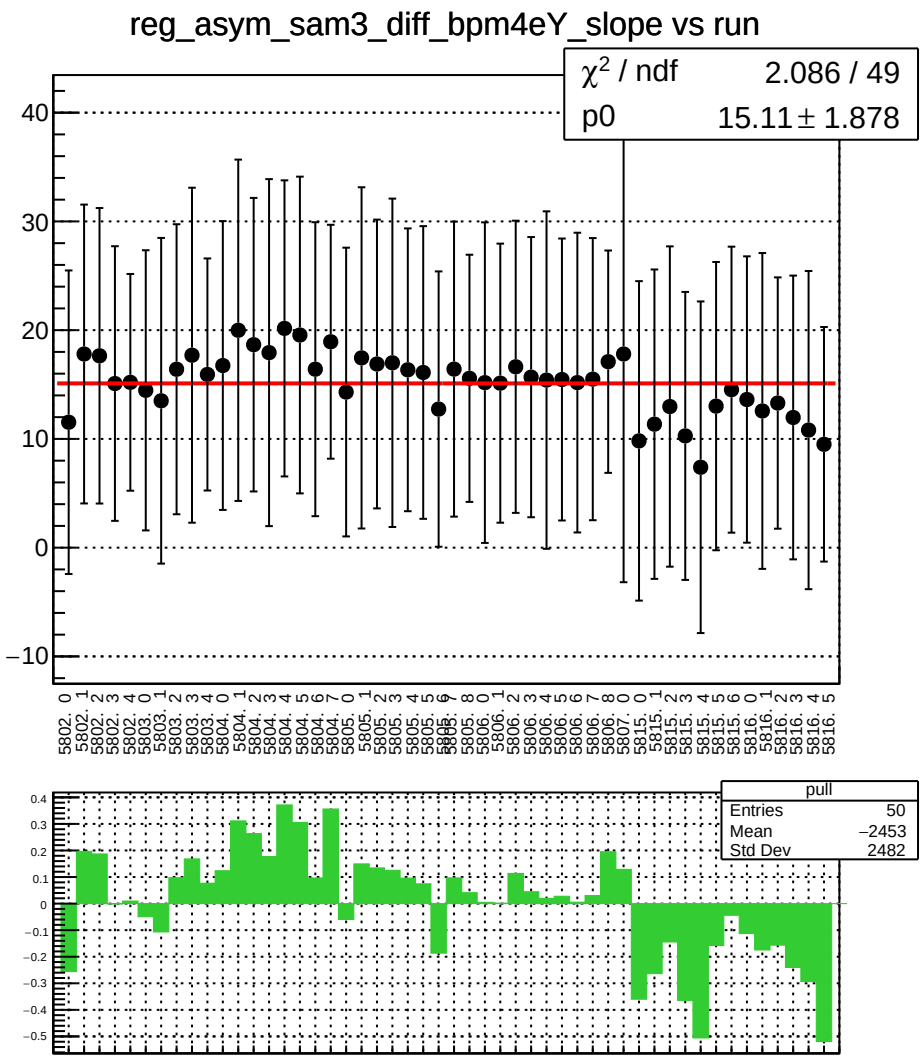

pull1D
Entries 50
Mean 0.0003033
Std Dev 0.1512

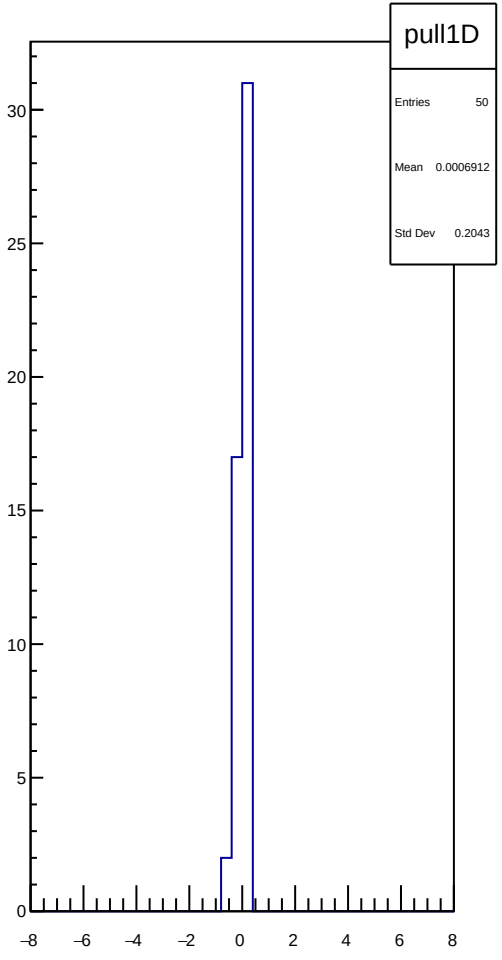

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.985 / 49
p0 −6.039 ± 1.717
pull
Entries 50
Mean −3323
Std Dev 3353

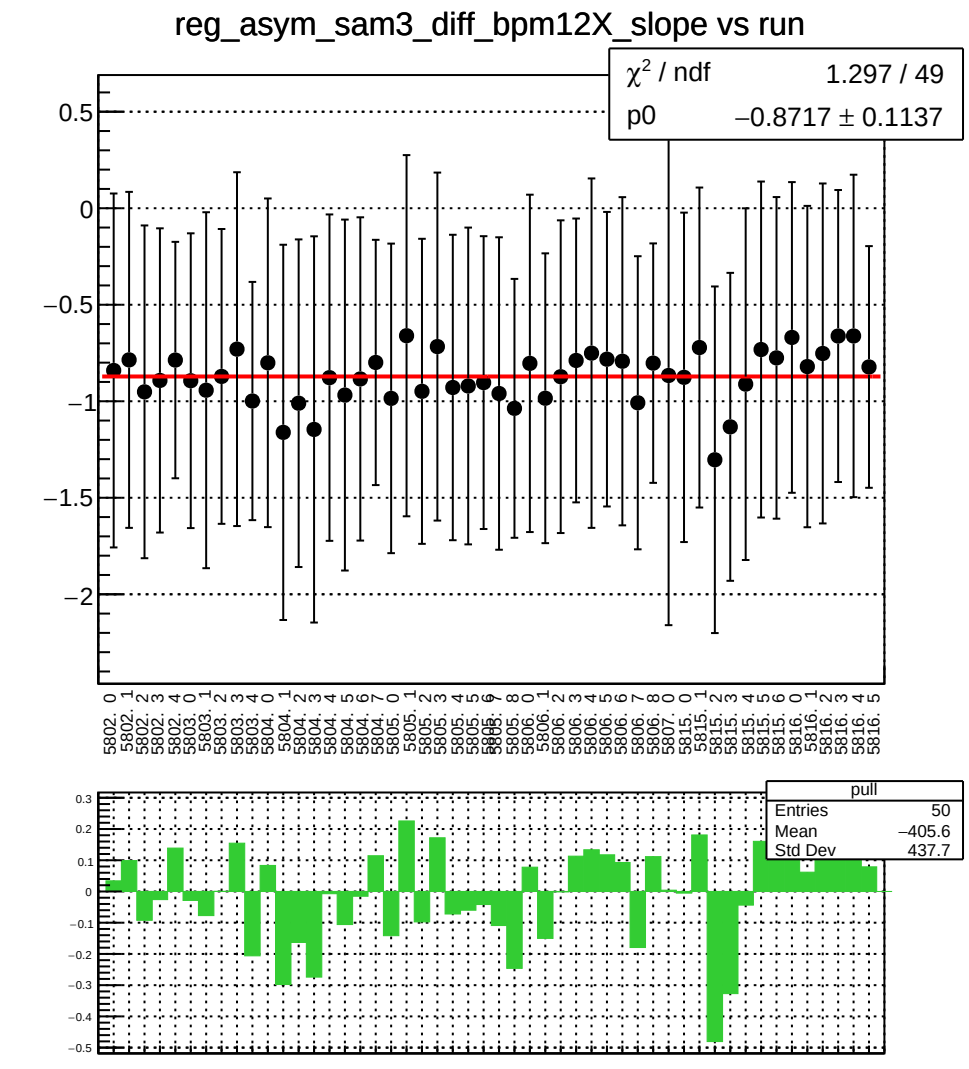

pull1D
Entries 50
Mean −0.0004924
Std Dev 0.1993

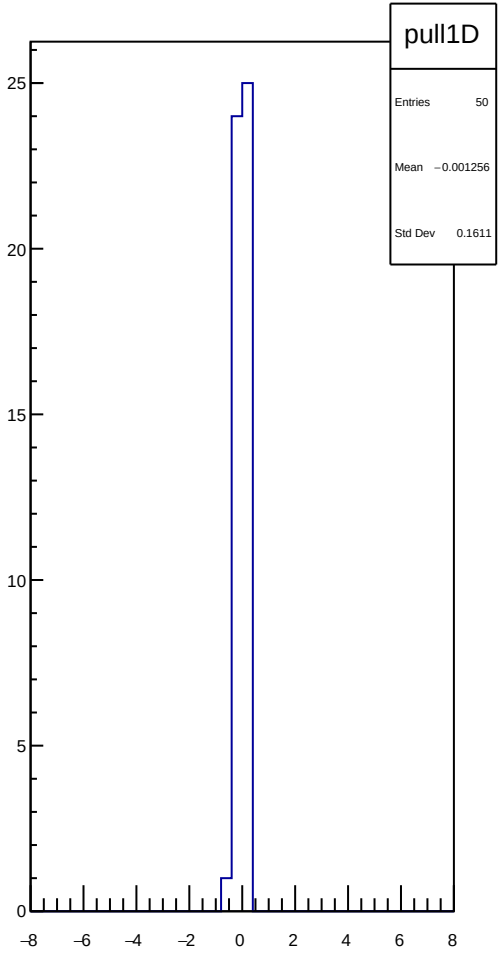

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.11 / 49
p0 −46.75 ± 2.446
pull
Entries 50
Mean 149.7
Std Dev 114

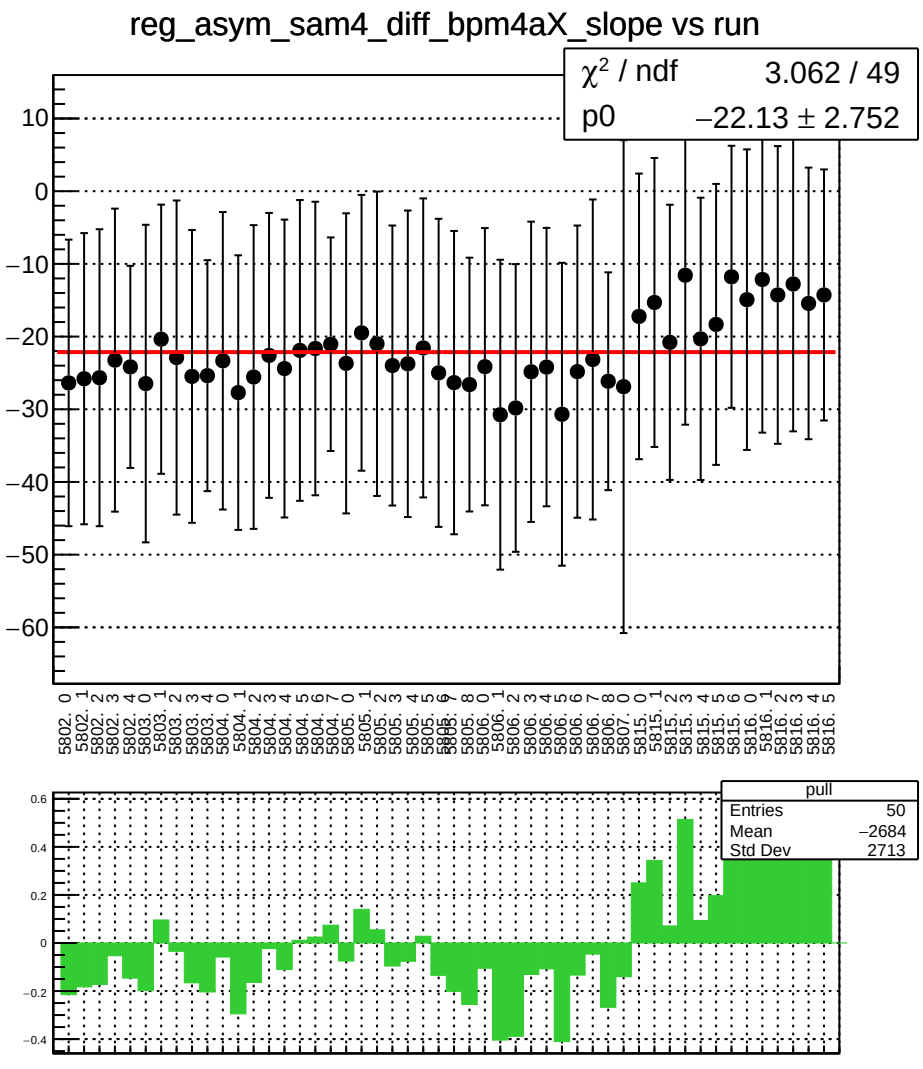

pull1D
Entries 50
Mean −0.00439
Std Dev 0.149

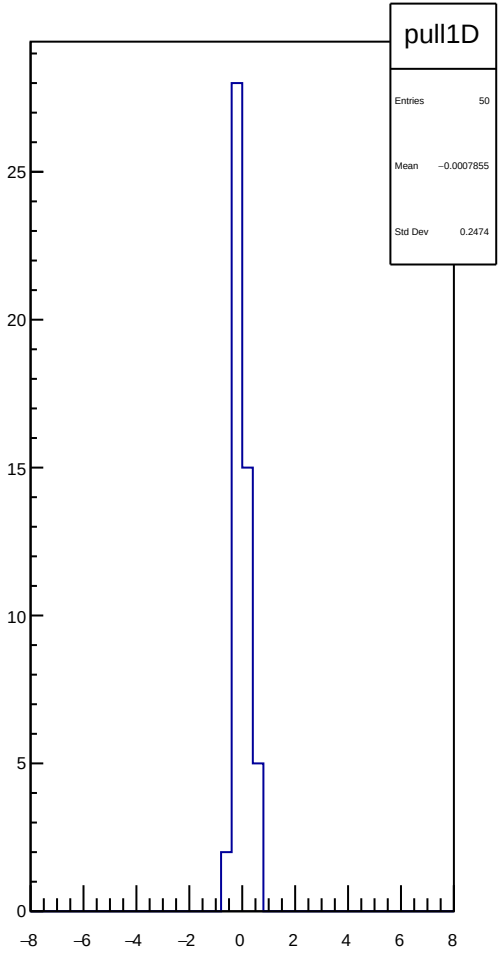

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.086 / 49
p0 15.11 ± 1.878
pull
Entries 50
Mean −2453
Std Dev 2482

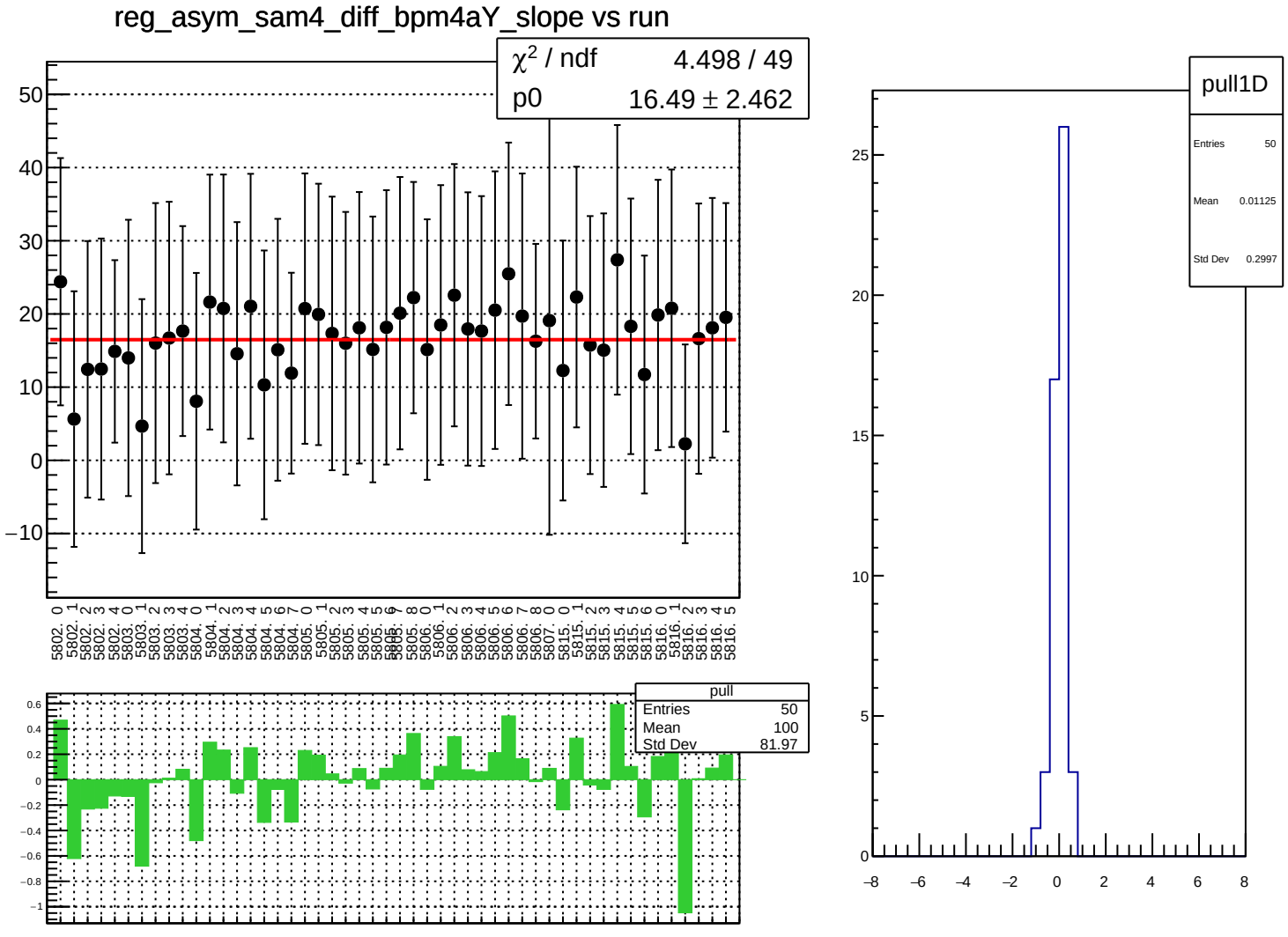

pull1D
Entries 50
Mean 0.0006912
Std Dev 0.2043

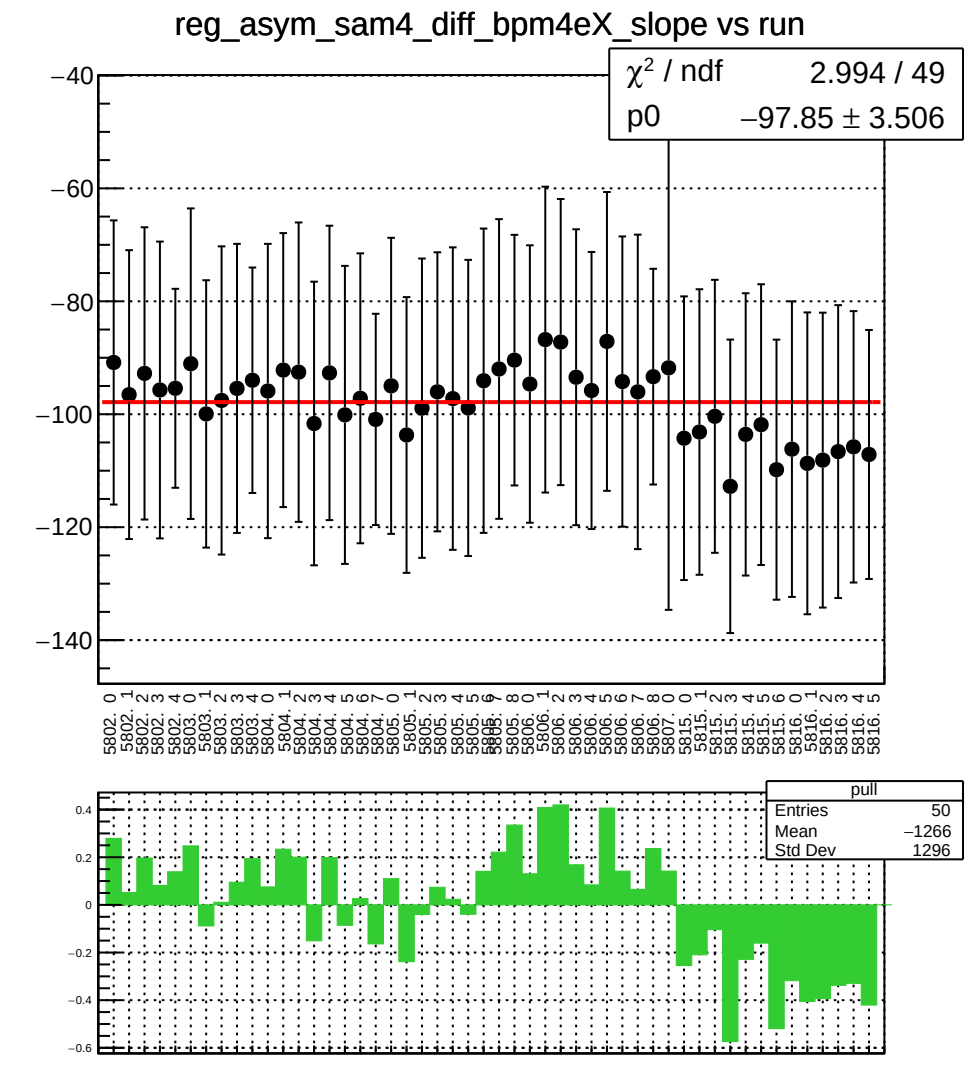

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.297 / 49
p0 −0.8717 ± 0.1137
pull
Entries 50
Mean −405.6
Std Dev 437.7

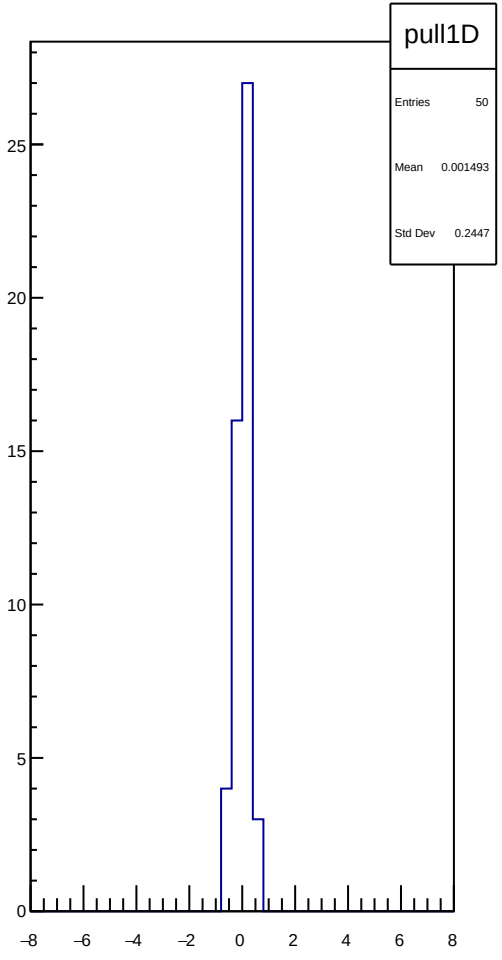

pull1D
Entries 50
Mean −0.001256
Std Dev 0.1611

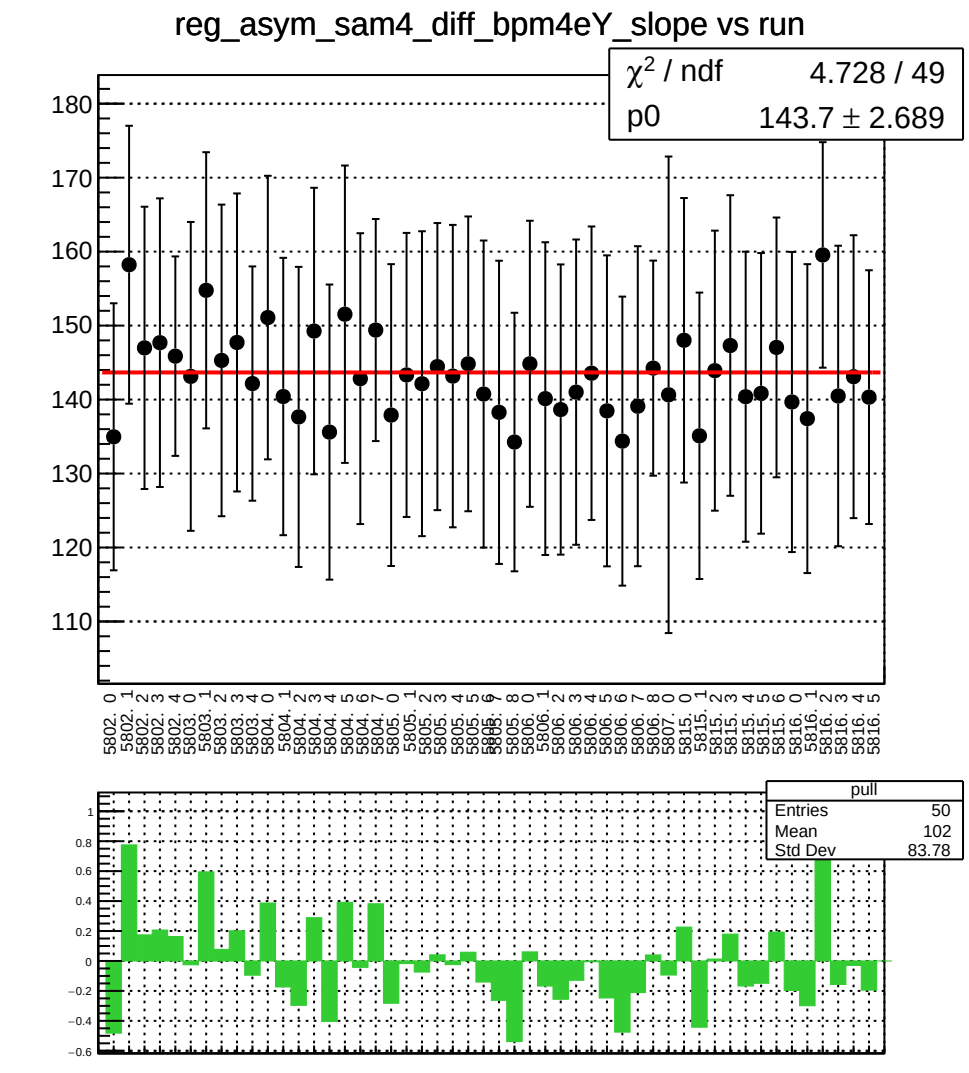

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 3.062 / 49
p0 −22.13 ± 2.752
pull
Entries 50
Mean −2684
Std Dev 2713

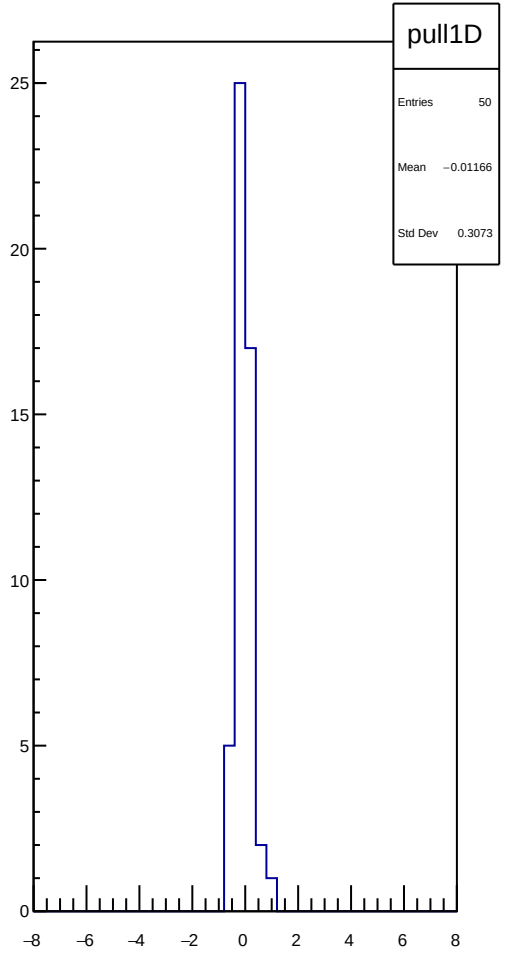

pull1D
Entries 50
Mean −0.0007855
Std Dev 0.2474

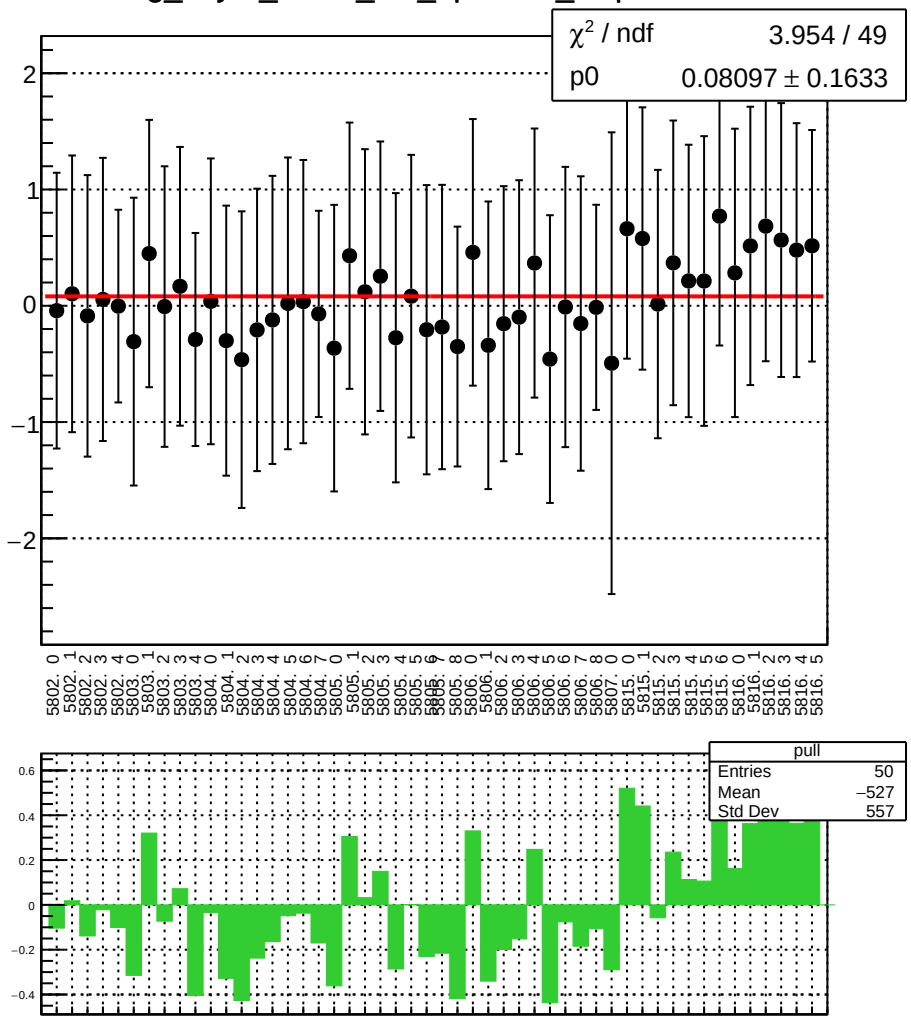

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 4.498 / 49
p0 16.49 ± 2.462
pull
Entries 50
Mean 100
Std Dev 81.97
pull1D
Entries 50
Mean 0.01125
Std Dev 0.2997

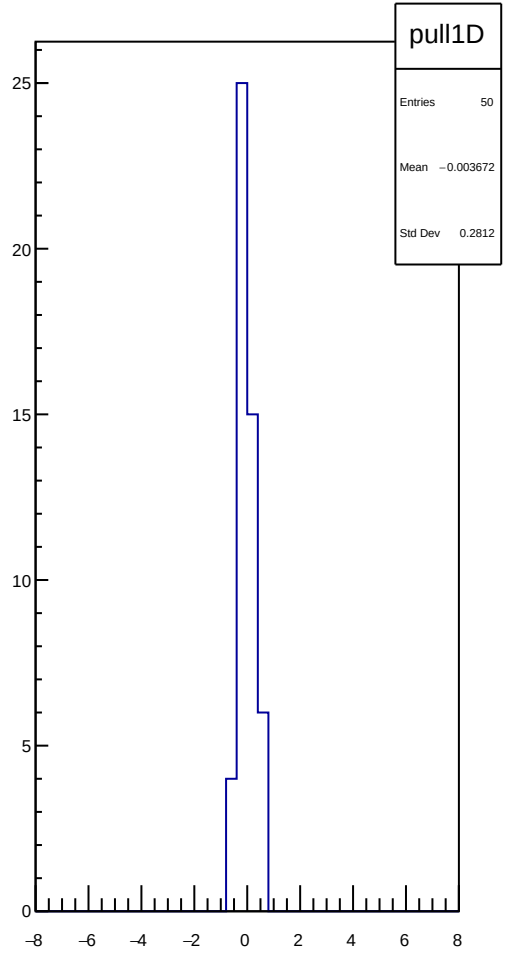

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 2.994 / 49
p0 −97.85 ± 3.506
−40
−60
−80
−100
−120
−140
pull
Entries 50
Mean −1266
Std Dev 1296
0.4
0.2
0
−0.2
−0.4
−0.6

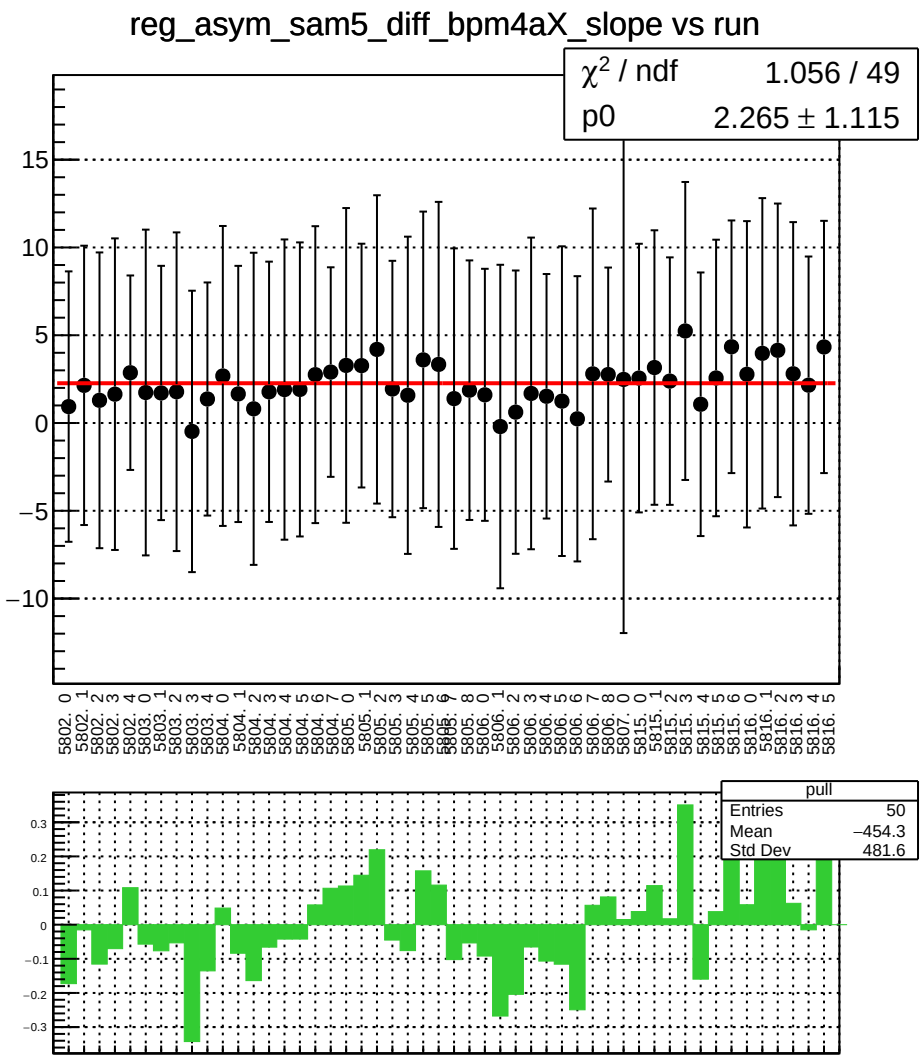

pull1D
Entries 50
Mean 0.001493
Std Dev 0.2447
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

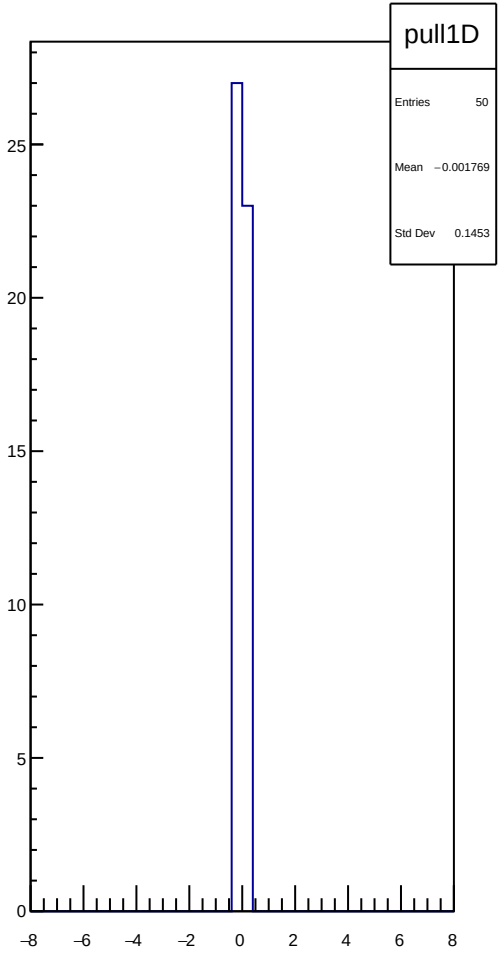

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 4.728 / 49
p0 143.7 ± 2.689
pull
Entries 50
Mean 102
Std Dev 83.78

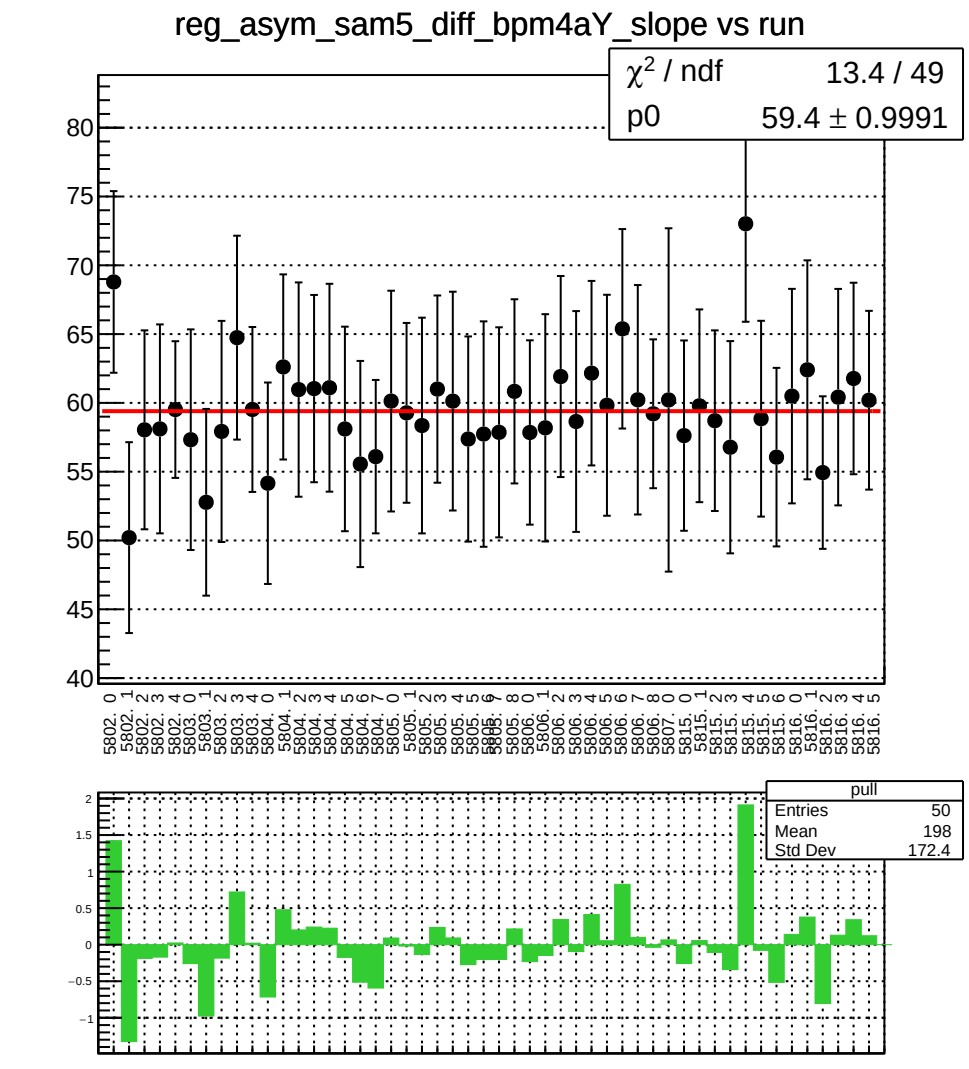

pull1D
Entries 50
Mean −0.01166
Std Dev 0.3073

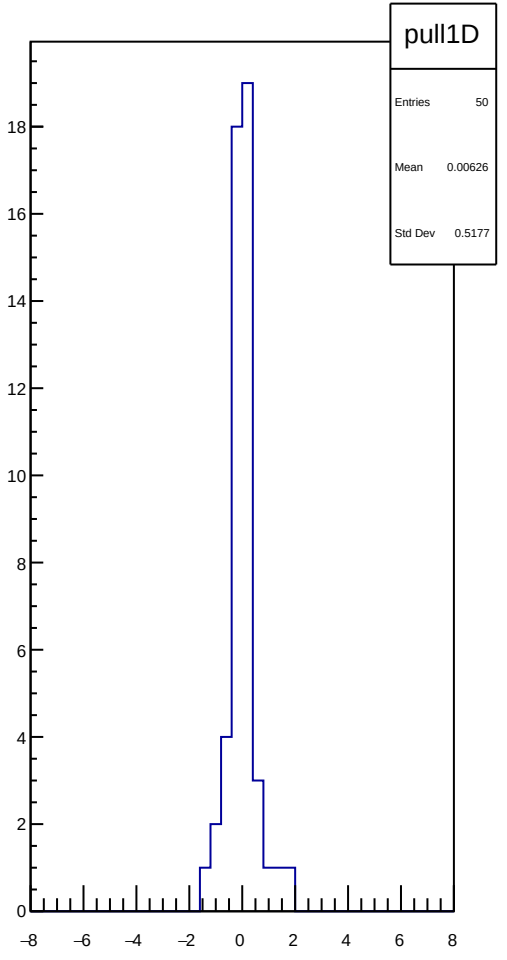

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 3.954 / 49
p0 0.08097 ± 0.1633
pull
Entries 50
Mean −527
Std Dev 557

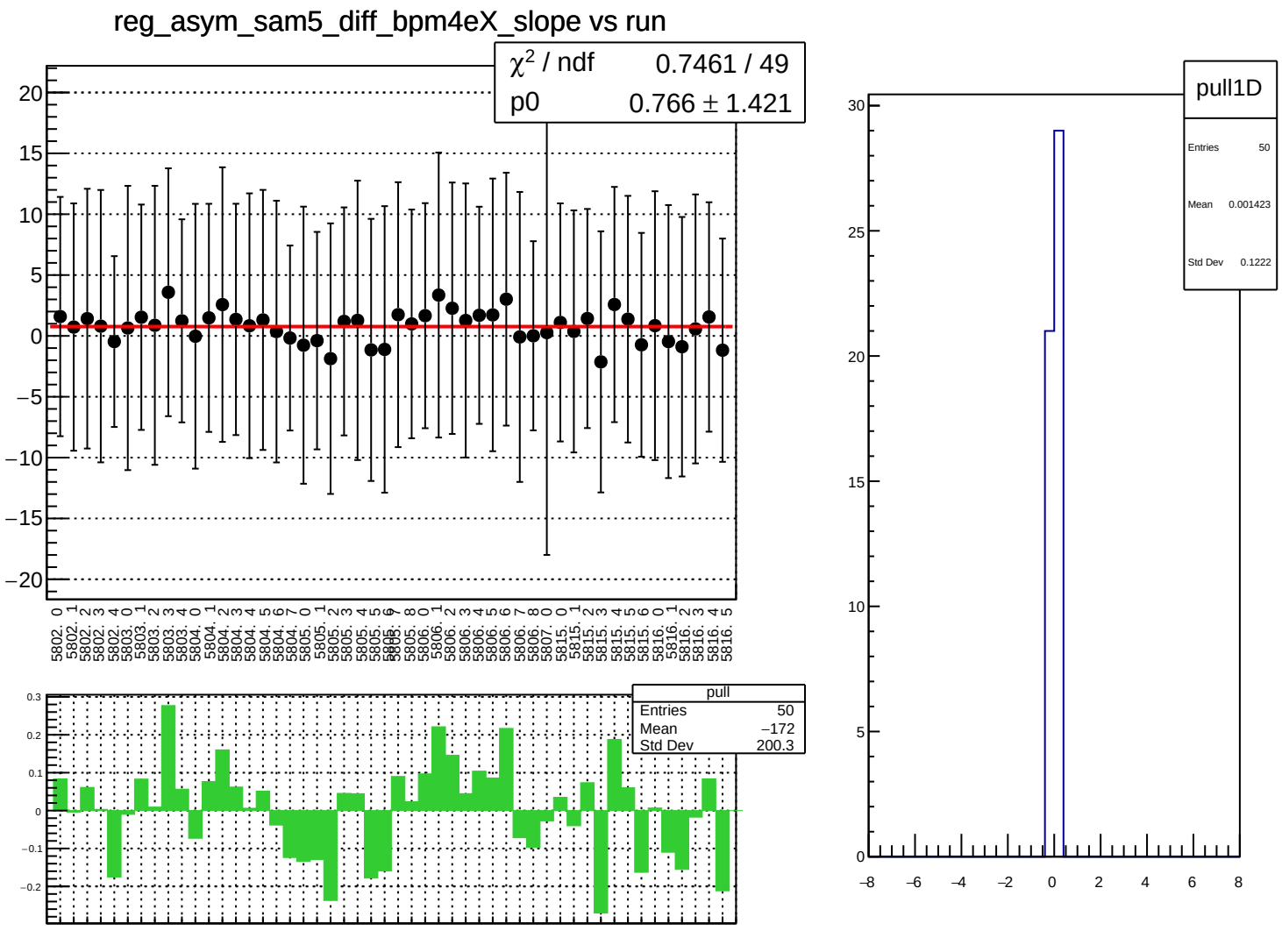

pull1D
Entries 50
Mean −0.003672
Std Dev 0.2812

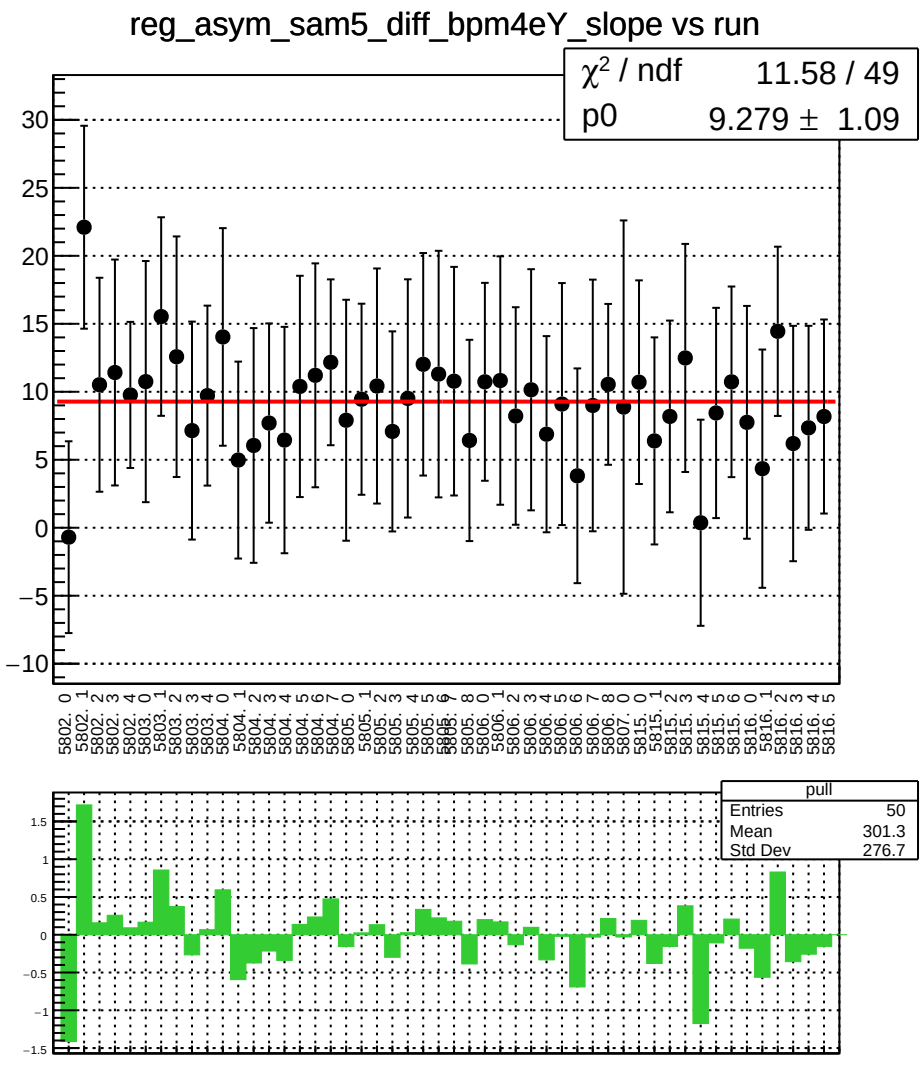

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 1.056 / 49
p0 2.265 ± 1.115
pull
Entries 50
Mean −454.3
Std Dev 481.6

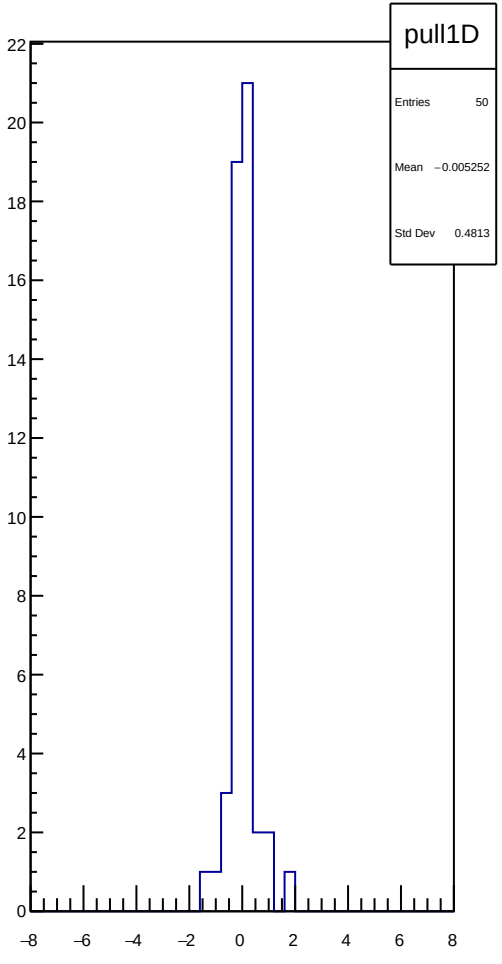

pull1D
Entries 50
Mean −0.001769
Std Dev 0.1453

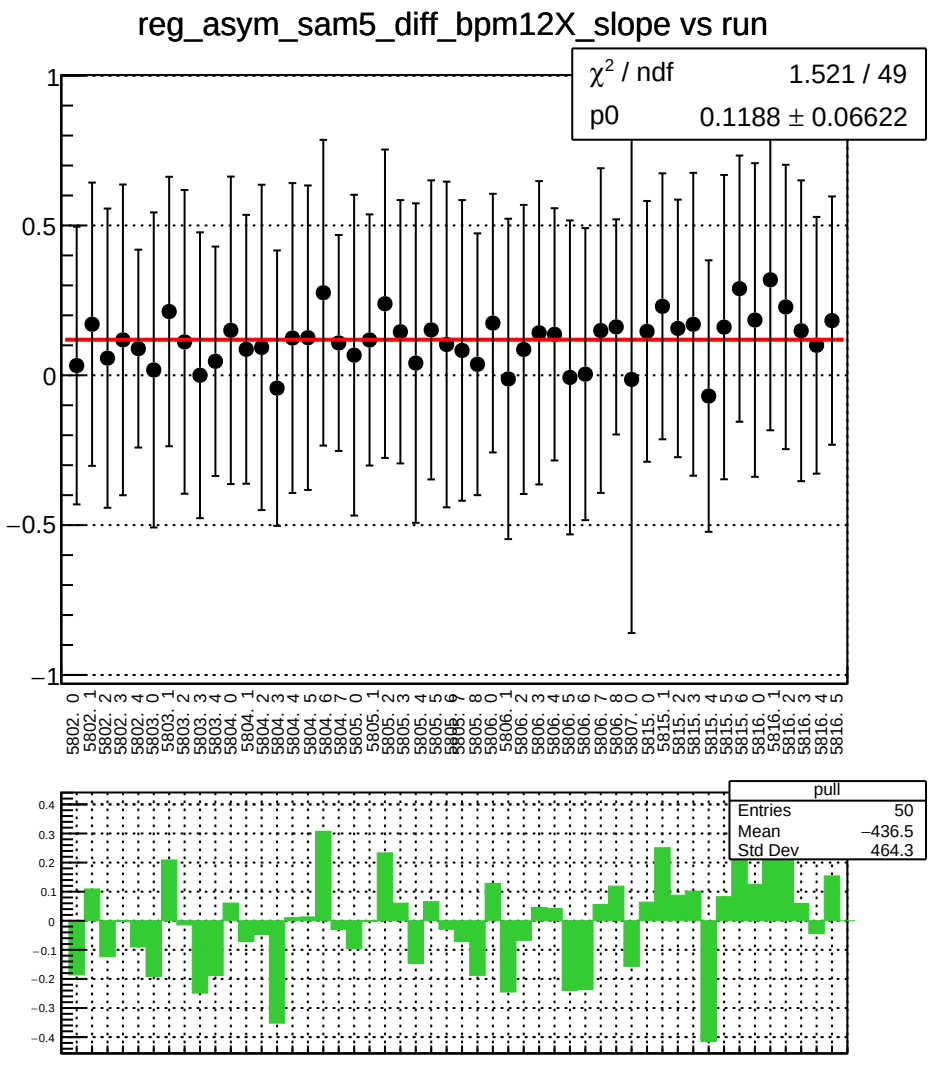

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 13.4 / 49
p0 59.4 ± 0.9991
pull
Entries 50
Mean 198
Std Dev 172.4

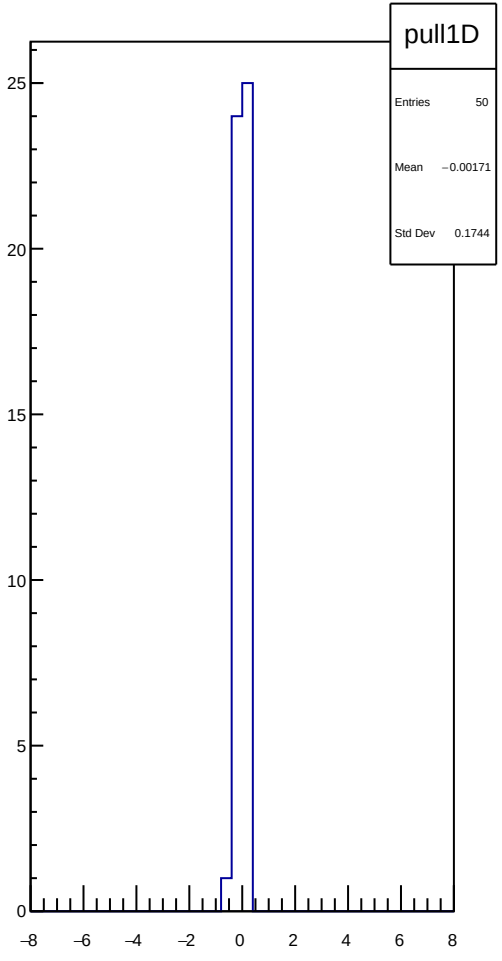

pull1D
Entries 50
Mean 0.00626
Std Dev 0.5177

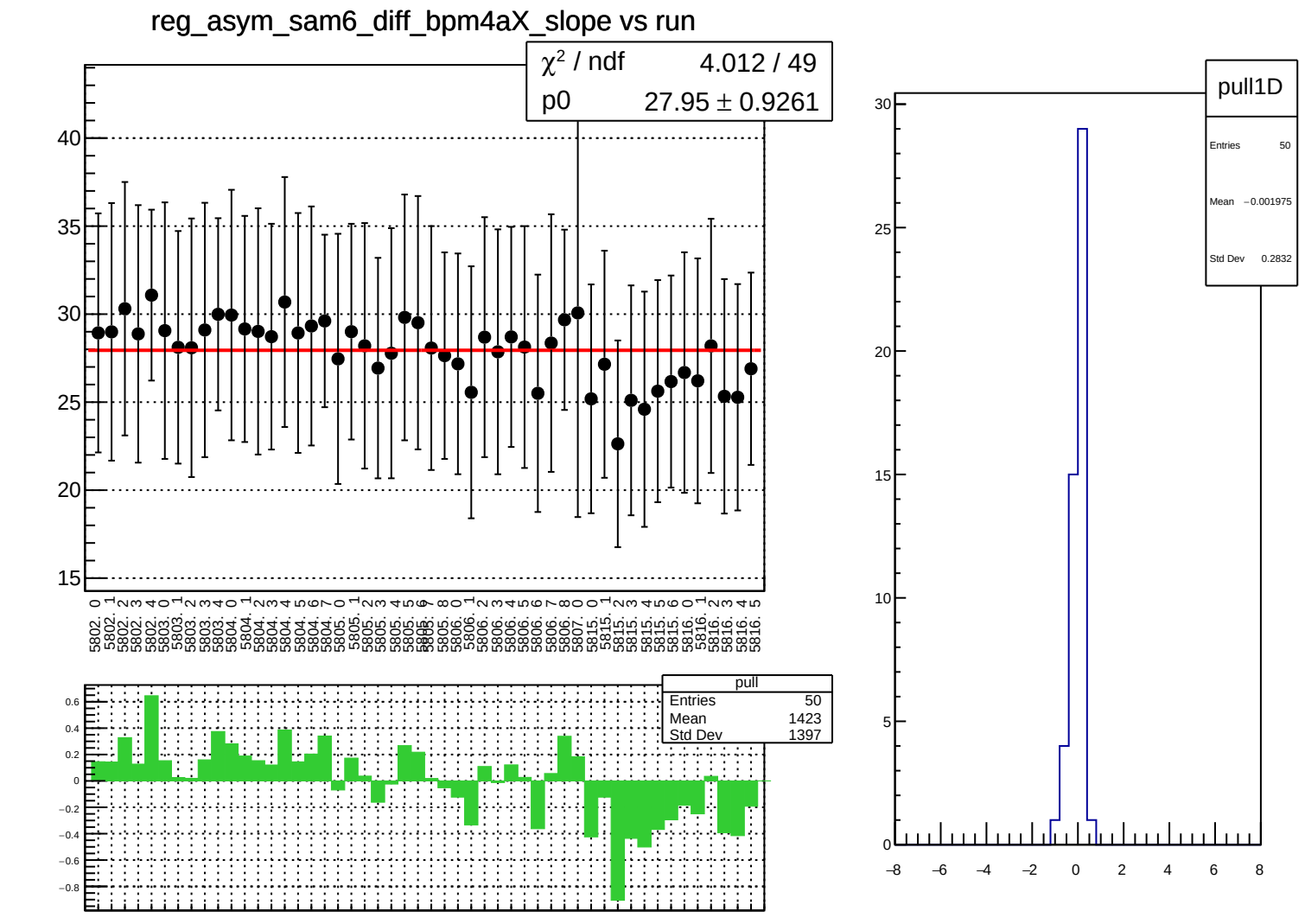

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 0.7461 / 49
p0 0.766 ± 1.421
pull
Entries 50
Mean −172
Std Dev 200.3
pull1D
Entries 50
Mean 0.001423
Std Dev 0.1222

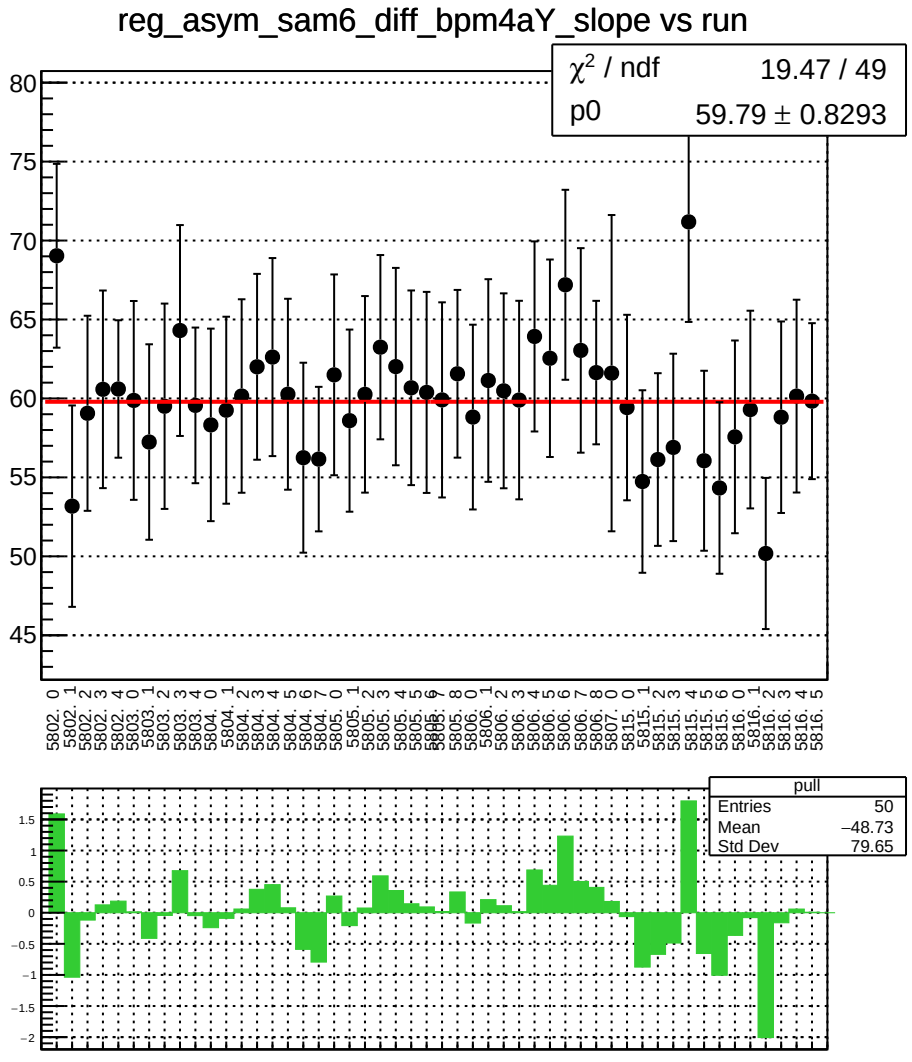

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 11.58 / 49
p0 9.279 ± 1.09
pull
Entries 50
Mean 301.3
Std Dev 276.7

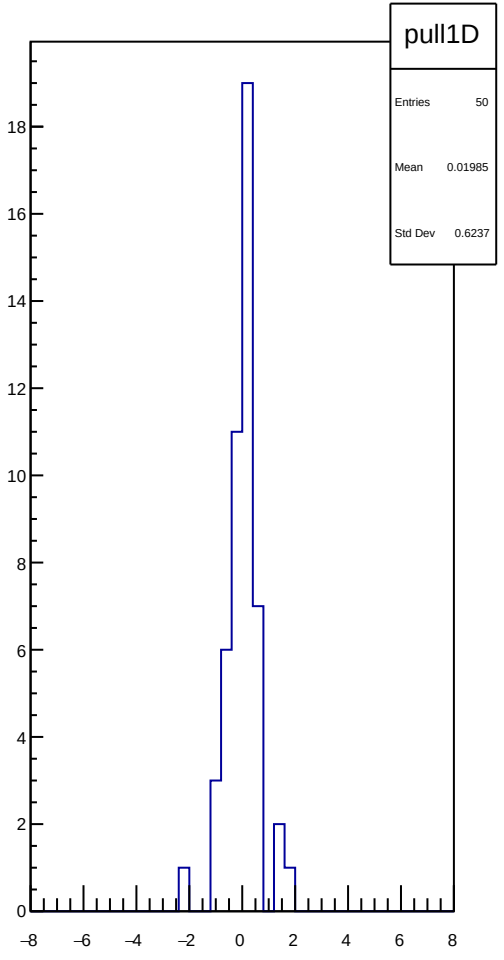

pull1D
Entries 50
Mean −0.005252
Std Dev 0.4813

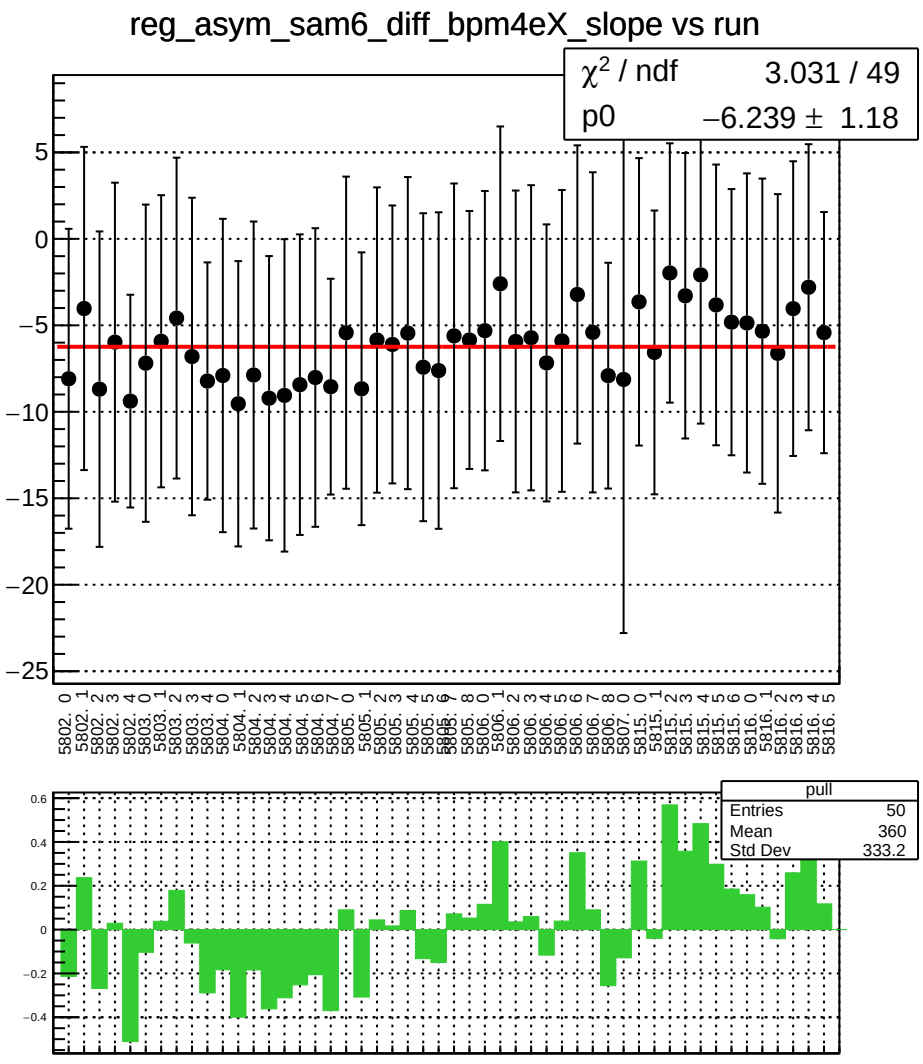

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 1.521 / 49
p0 0.1188 ± 0.06622
pull
Entries 50
Mean −436.5
Std Dev 464.3

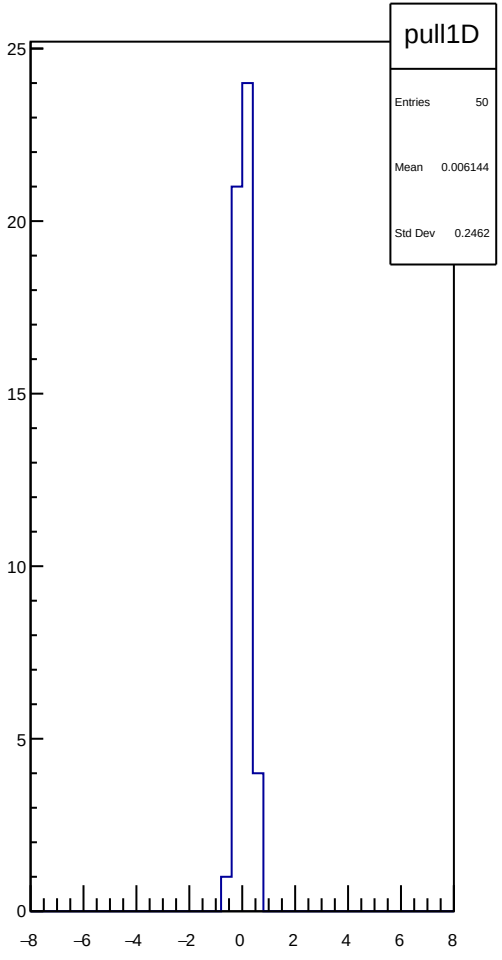

pull1D
Entries 50
Mean −0.00171
Std Dev 0.1744

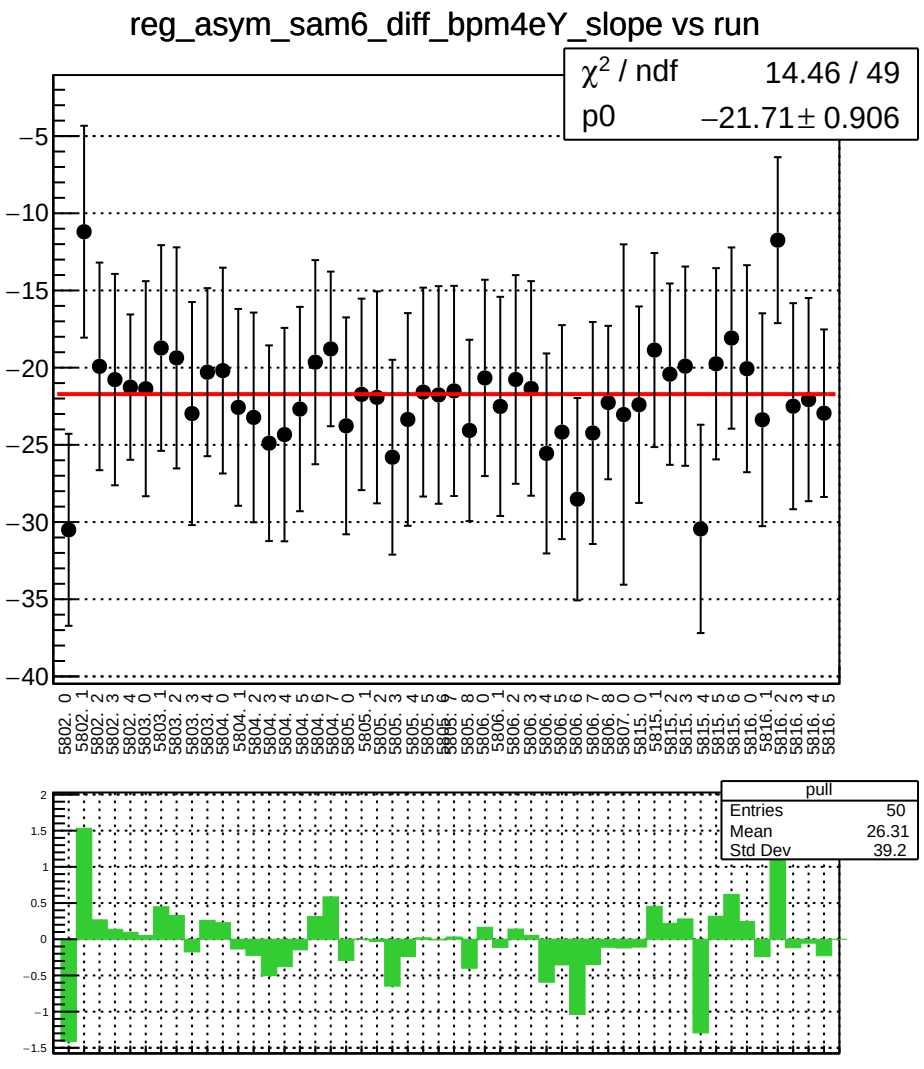

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 4.012 / 49
p0 27.95 ± 0.9261
pull
Entries 50
Mean 1423
Std Dev 1397
pull1D
Entries 50
Mean −0.001975
Std Dev 0.2832

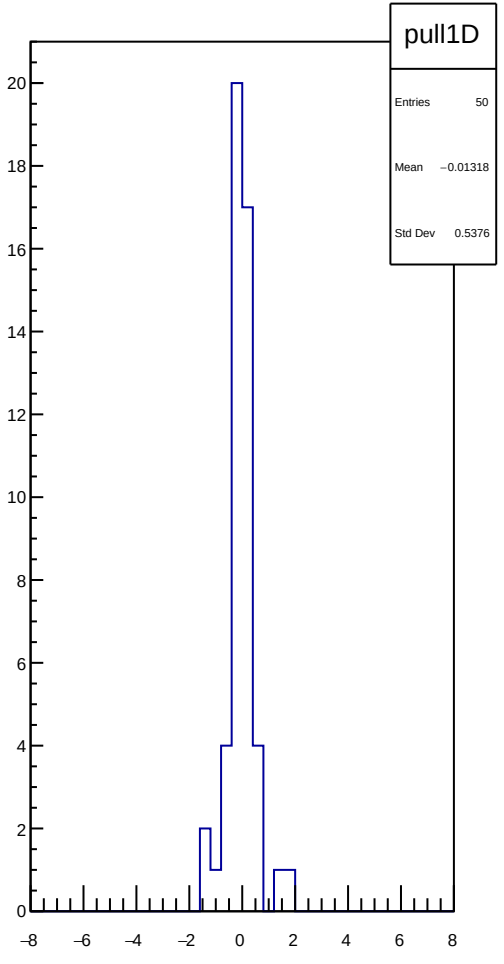

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 19.47 / 49
p0 59.79 ± 0.8293
pull
Entries 50
Mean −48.73
Std Dev 79.65

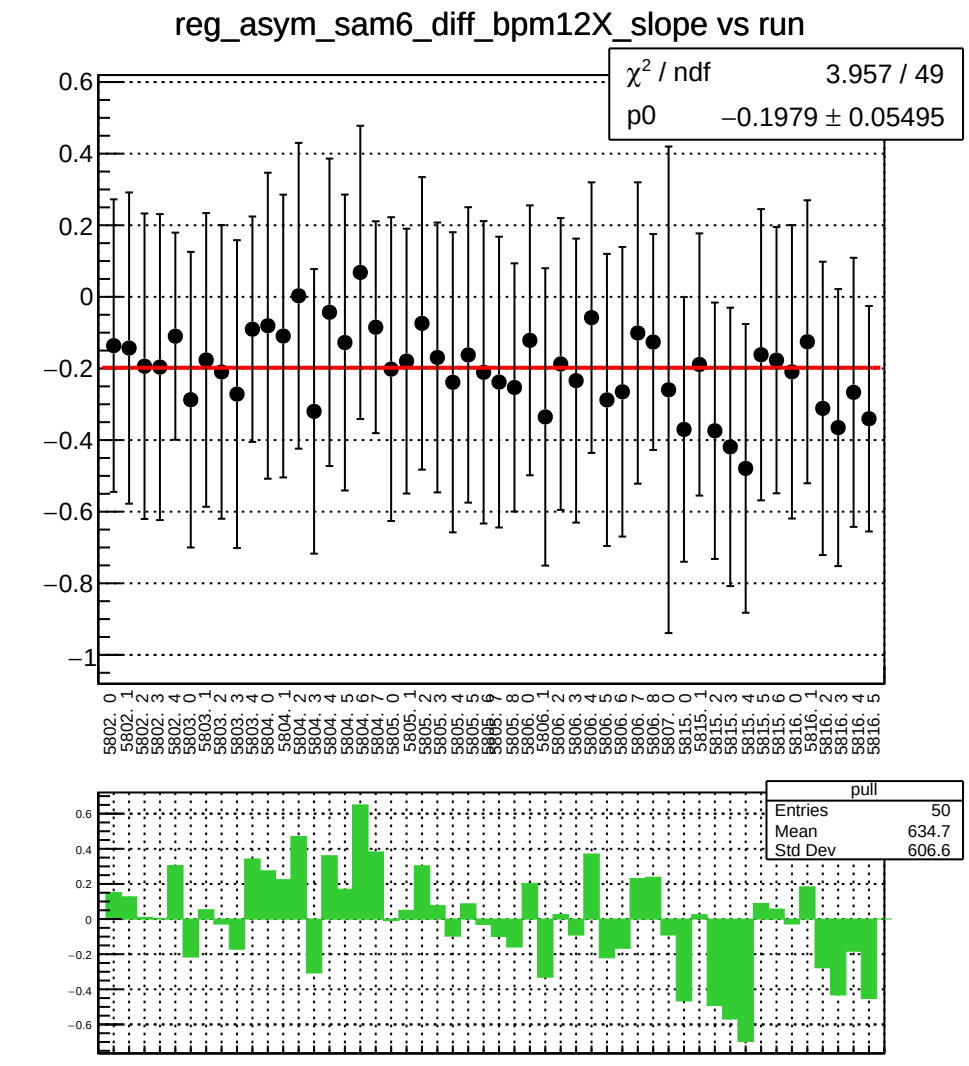

pull1D
Entries 50
Mean 0.01985
Std Dev 0.6237

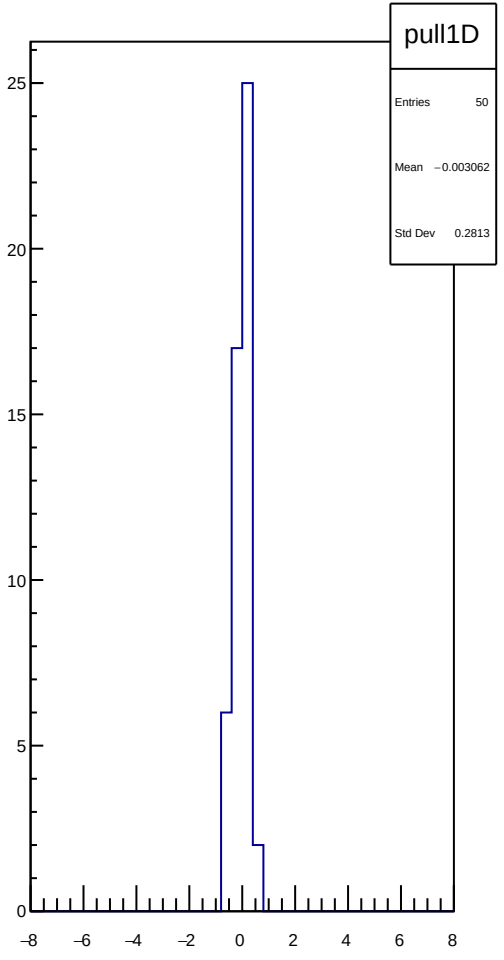

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.031 / 49
p0 −6.239 ± 1.18
pull
Entries 50
Mean 360
Std Dev 333.2

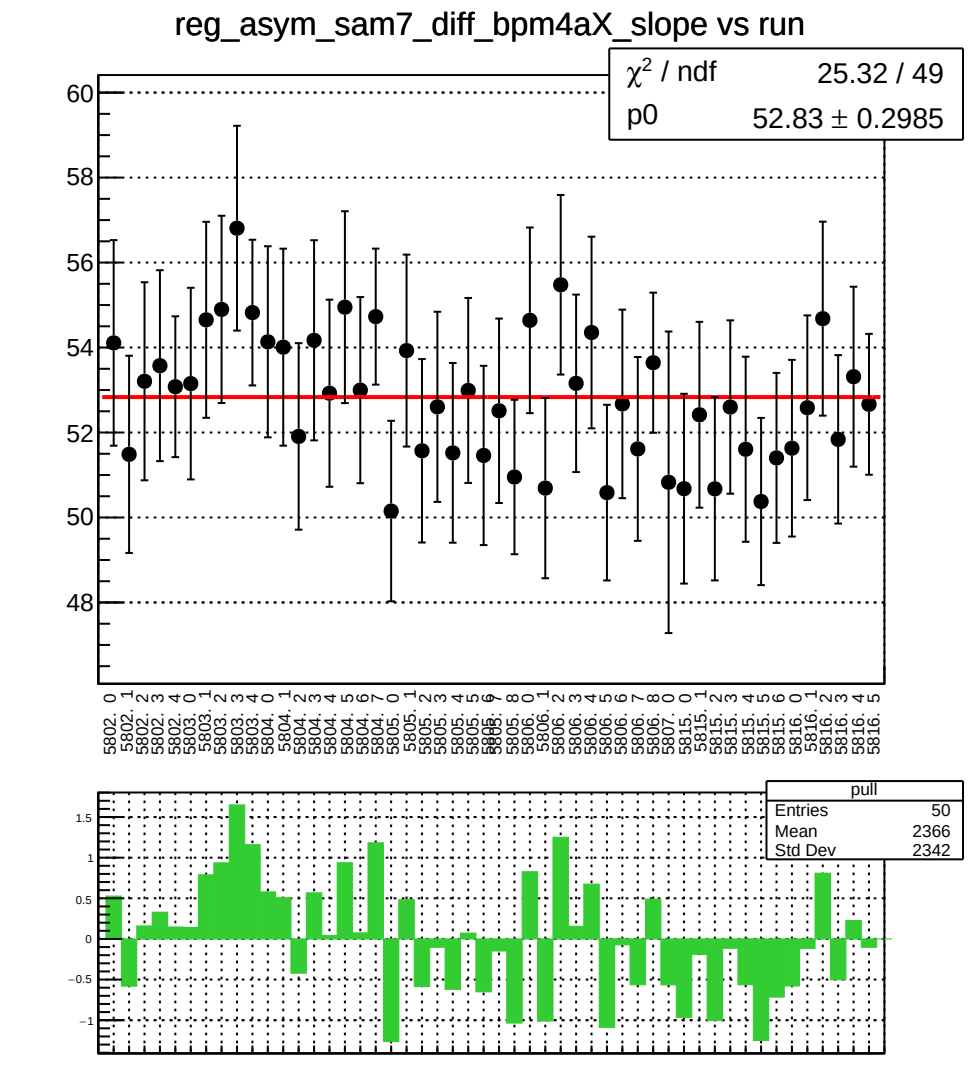

pull1D
Entries 50
Mean 0.006144
Std Dev 0.2462

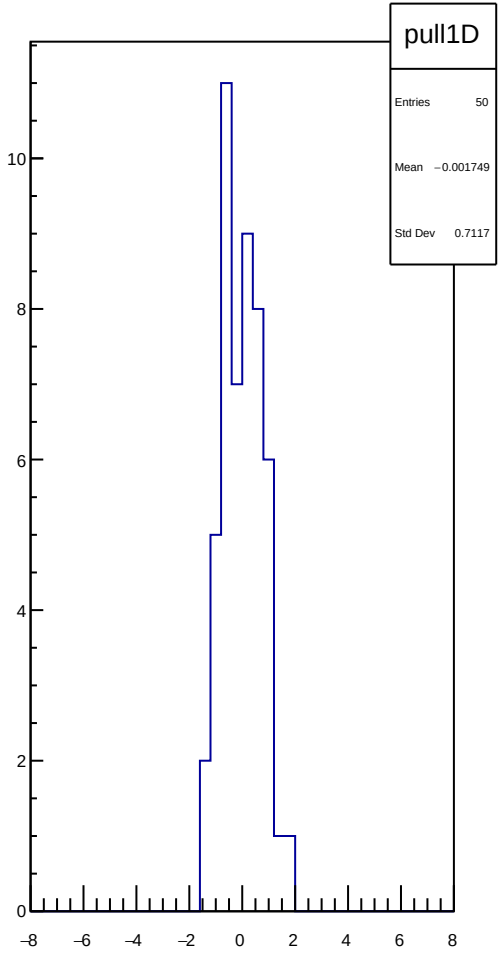

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 14.46 / 49
p0 −21.71 ± 0.906
pull
Entries 50
Mean 26.31
Std Dev 39.2

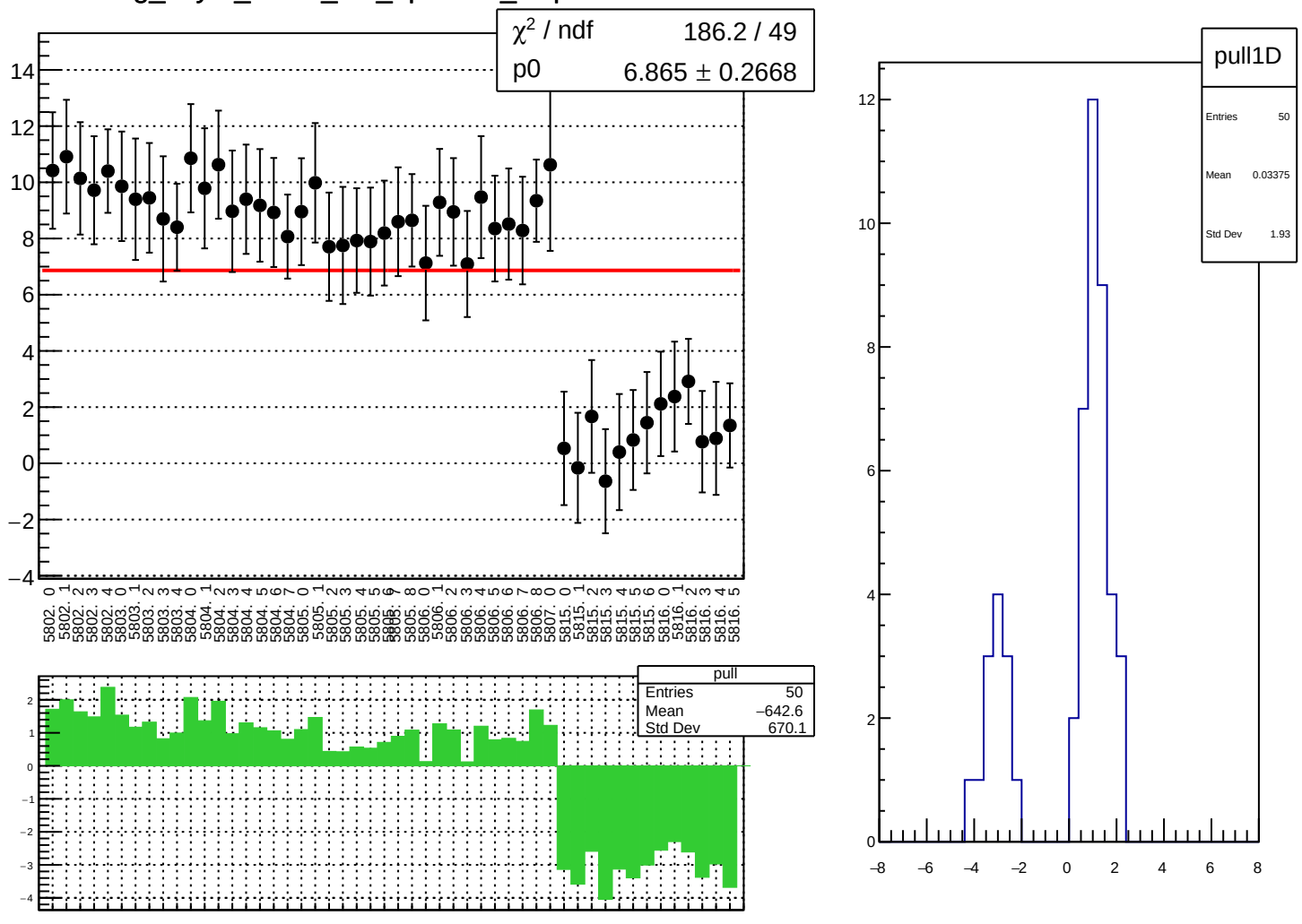

pull1D
Entries 50
Mean −0.01318
Std Dev 0.5376

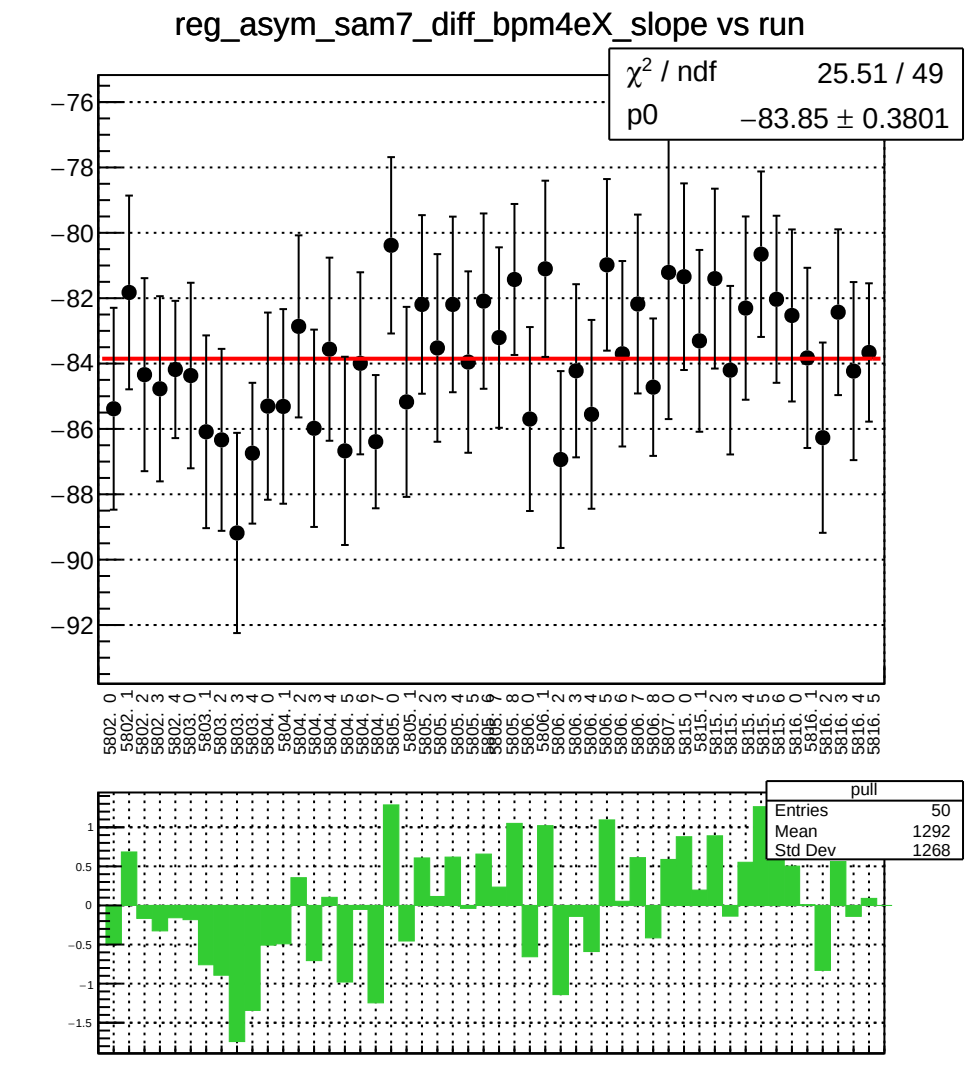

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 3.957 / 49
p0 −0.1979 ± 0.05495
pull
Entries 50
Mean 634.7
Std Dev 606.6

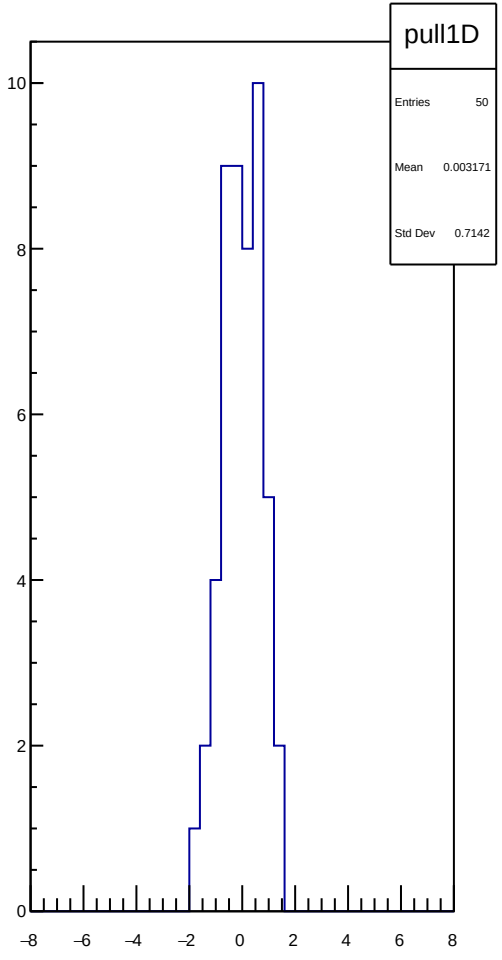

pull1D
Entries 50
Mean −0.003062
Std Dev 0.2813

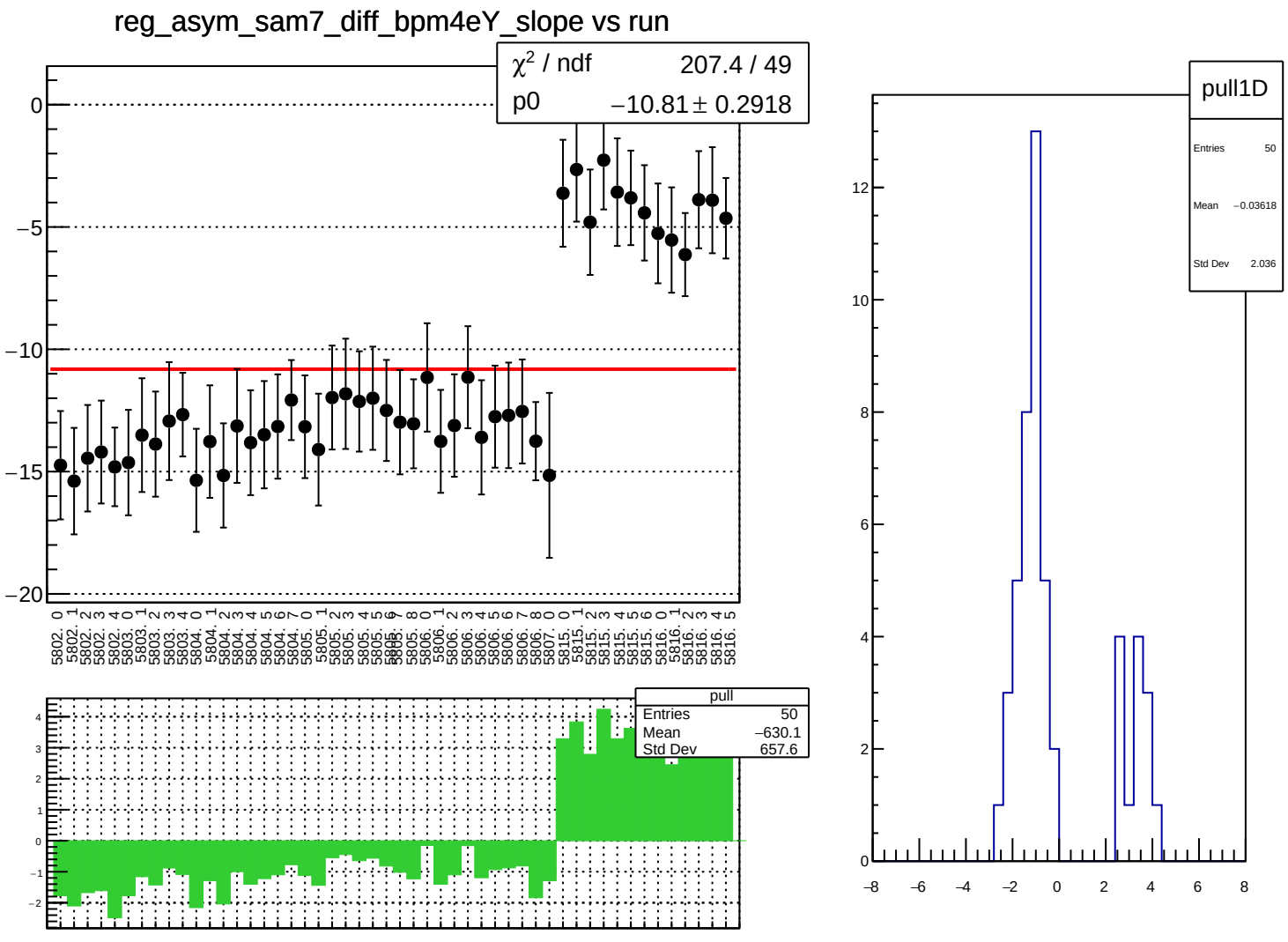

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 25.32 / 49
p0 52.83 ± 0.2985
pull
Entries 50
Mean 2366
Std Dev 2342

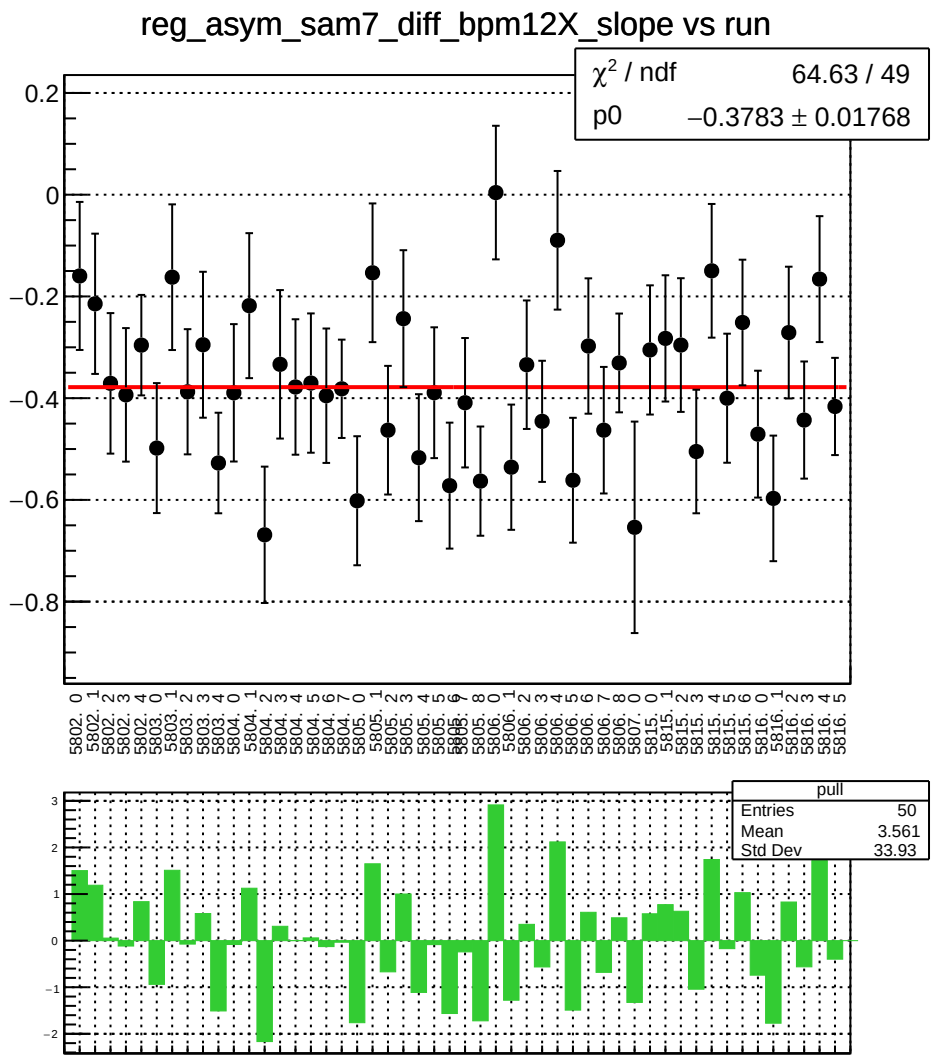

pull1D
Entries 50
Mean −0.001749
Std Dev 0.7117

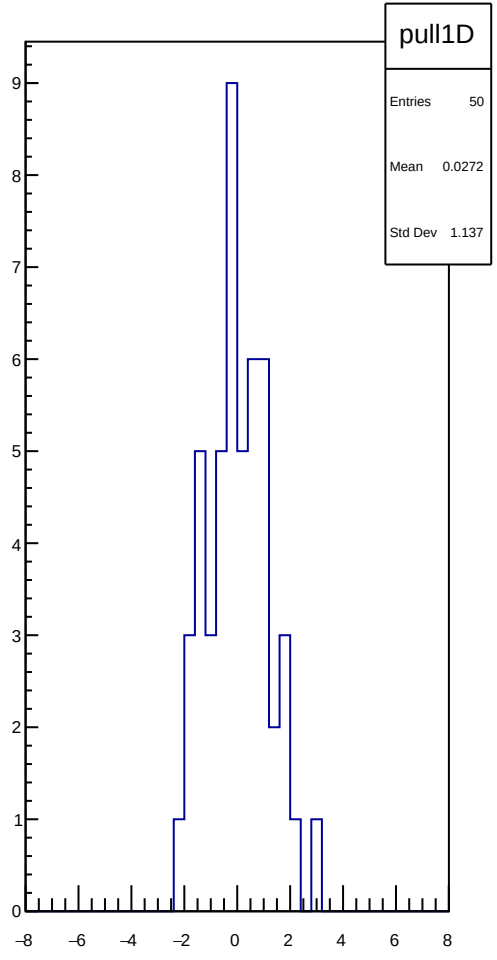

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 186.2 / 49
p0 6.865 ± 0.2668
pull
Entries 50
Mean −642.6
Std Dev 670.1
pull1D
Entries 50
Mean 0.03375
Std Dev 1.93

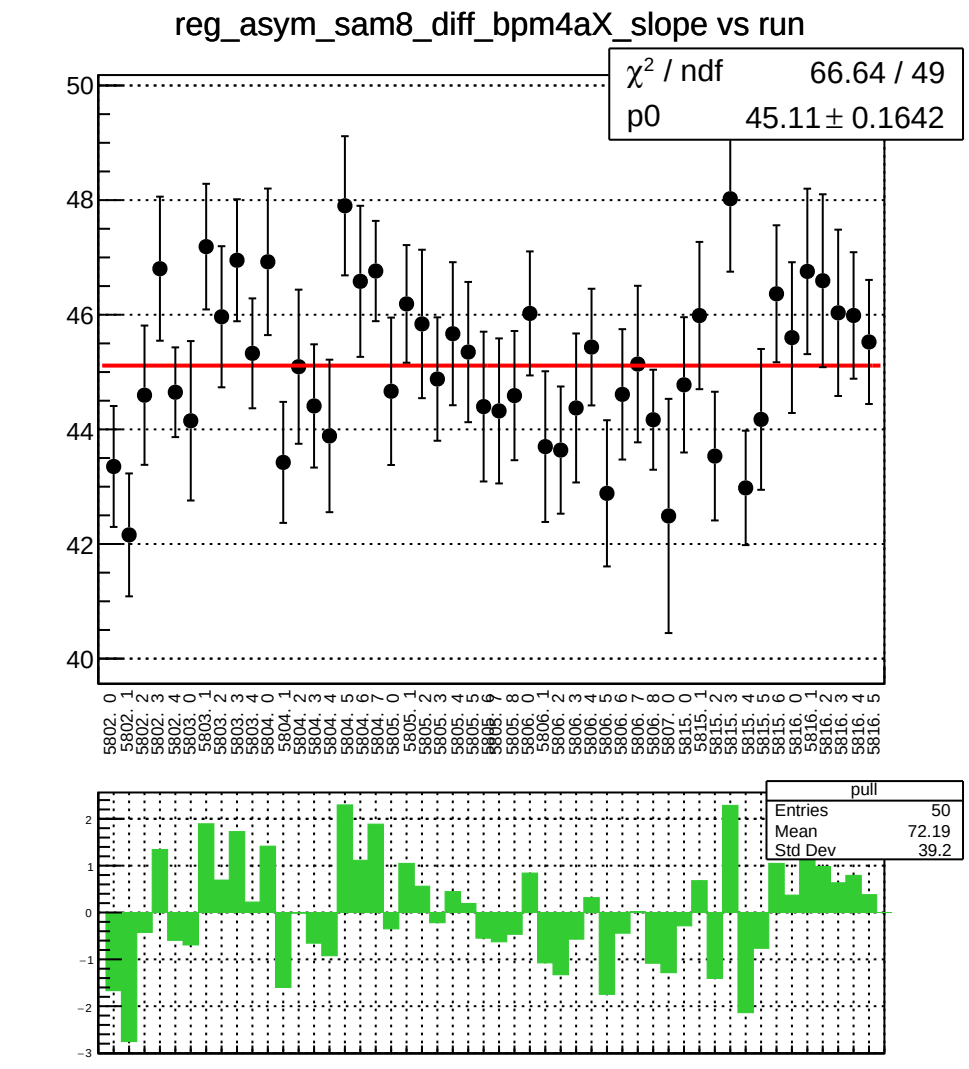

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 25.51 / 49
p0 −83.85 ± 0.3801
pull
Entries 50
Mean 1292
Std Dev 1268

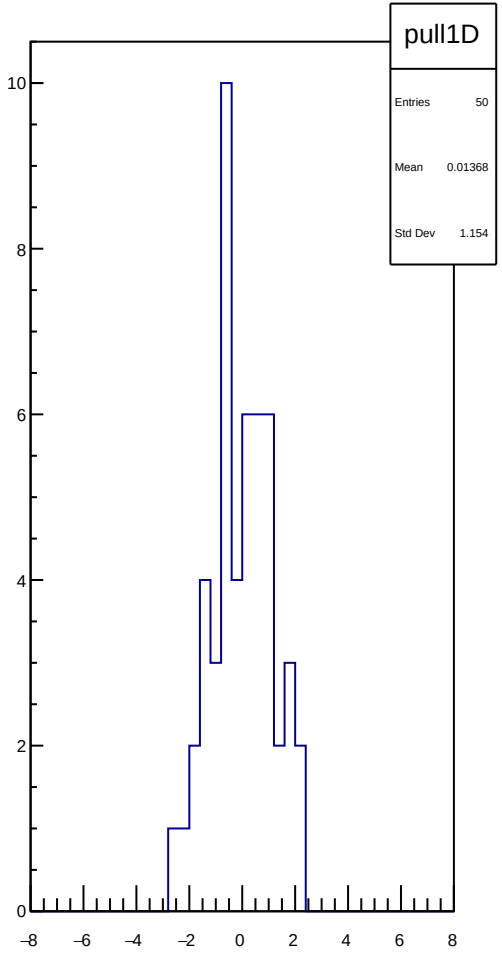

pull1D
Entries 50
Mean 0.003171
Std Dev 0.7142

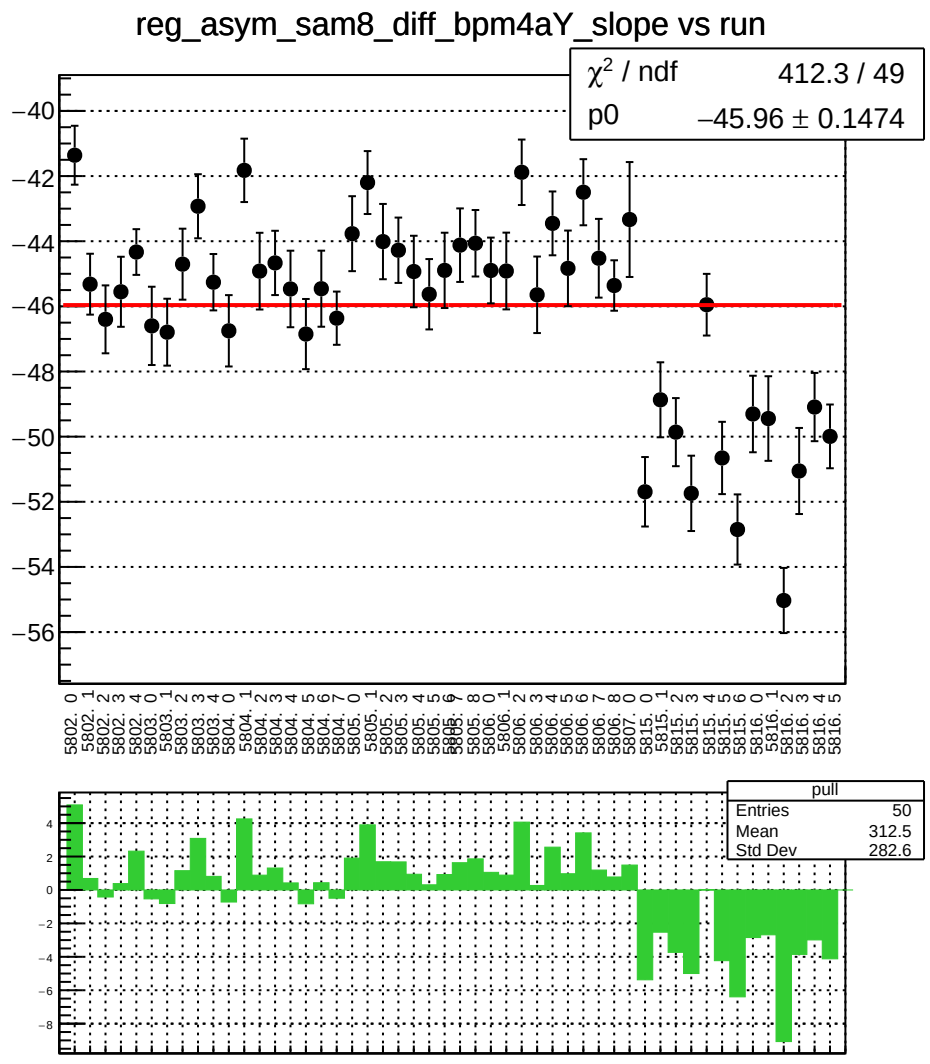

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 207.4 / 49
p0 −10.81 ± 0.2918
pull
Entries 50
Mean −630.1
Std Dev 657.6
pull1D
Entries 50
Mean −0.03618
Std Dev 2.036

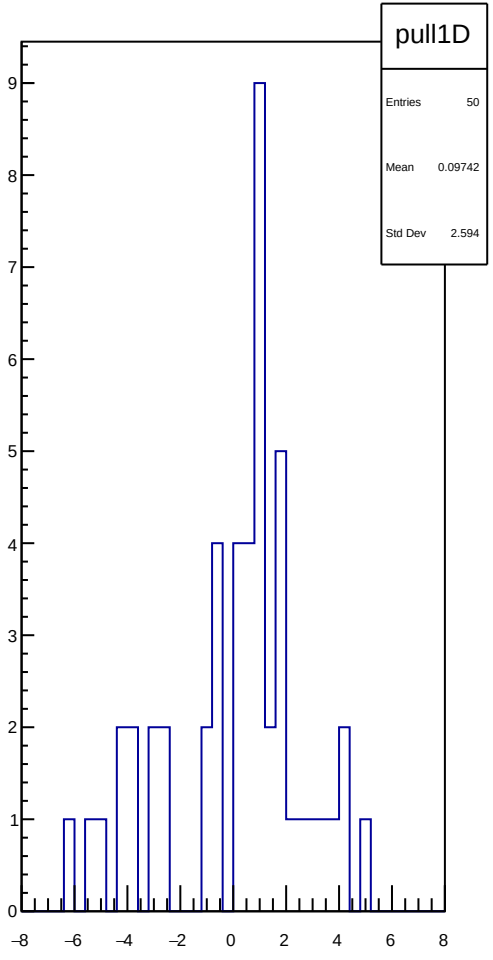

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 64.63 / 49
p0 −0.3783 ± 0.01768
pull
Entries 50
Mean 3.561
Std Dev 33.93

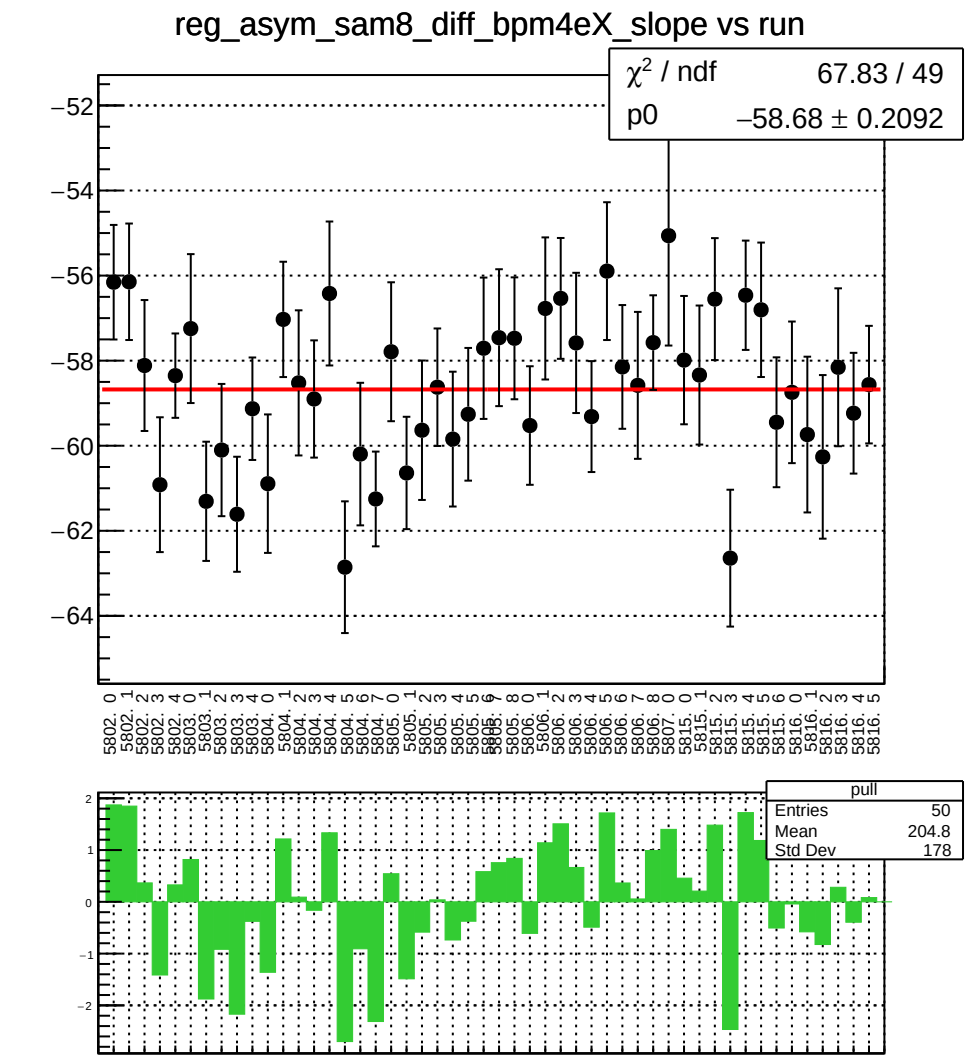

pull1D
Entries 50
Mean 0.0272
Std Dev 1.137

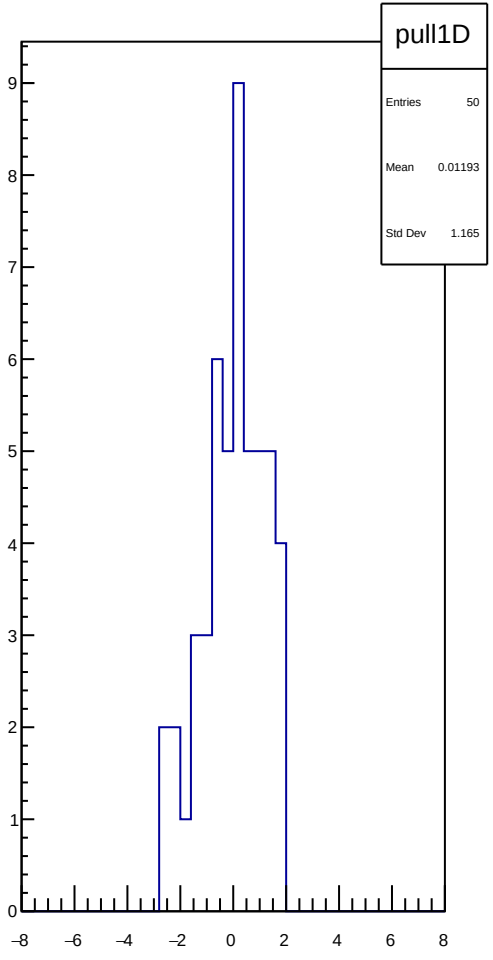

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 66.64 / 49
p0 45.11 ± 0.1642
pull
Entries 50
Mean 72.19
Std Dev 39.2

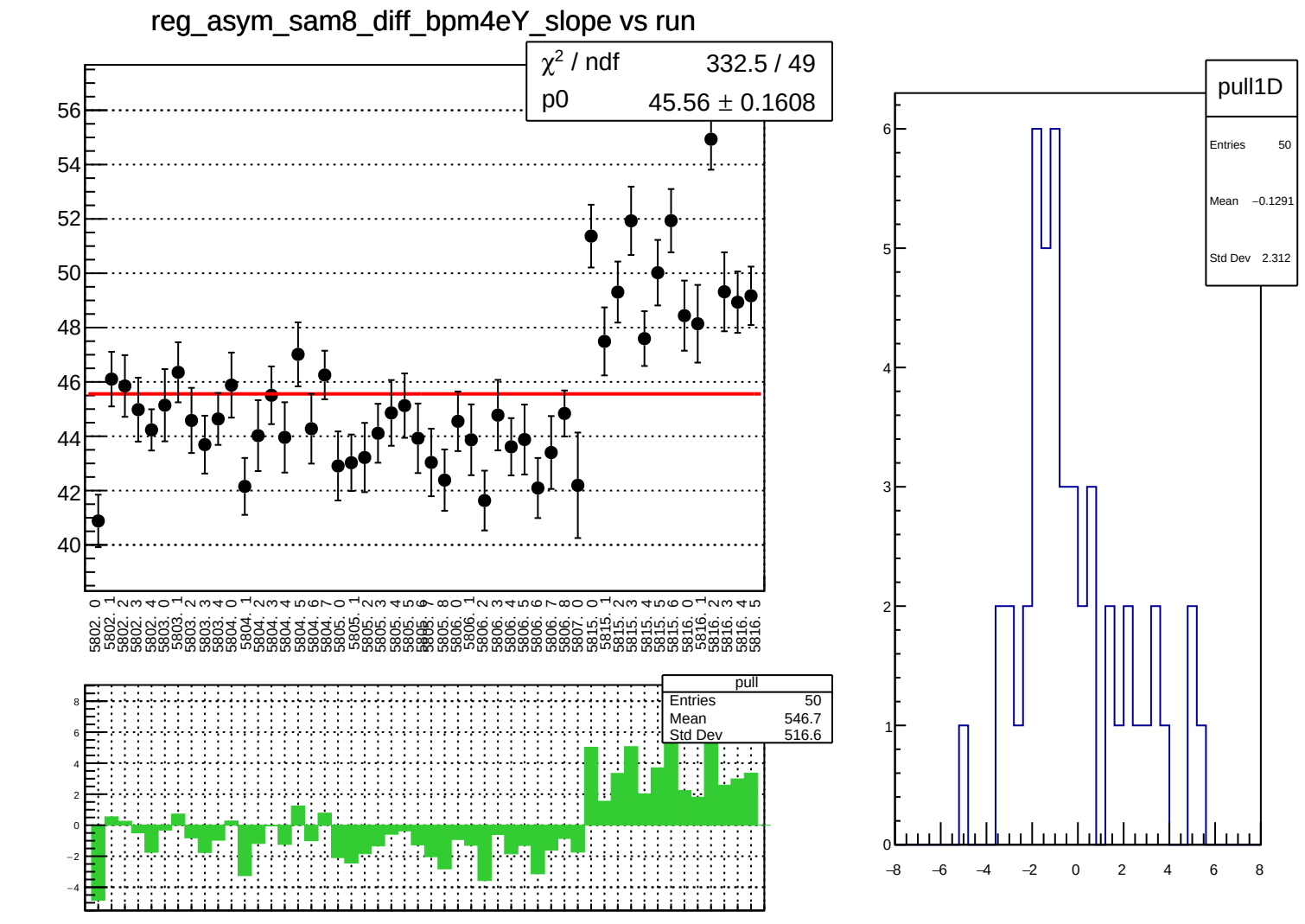

pull1D
Entries 50
Mean 0.01368
Std Dev 1.154

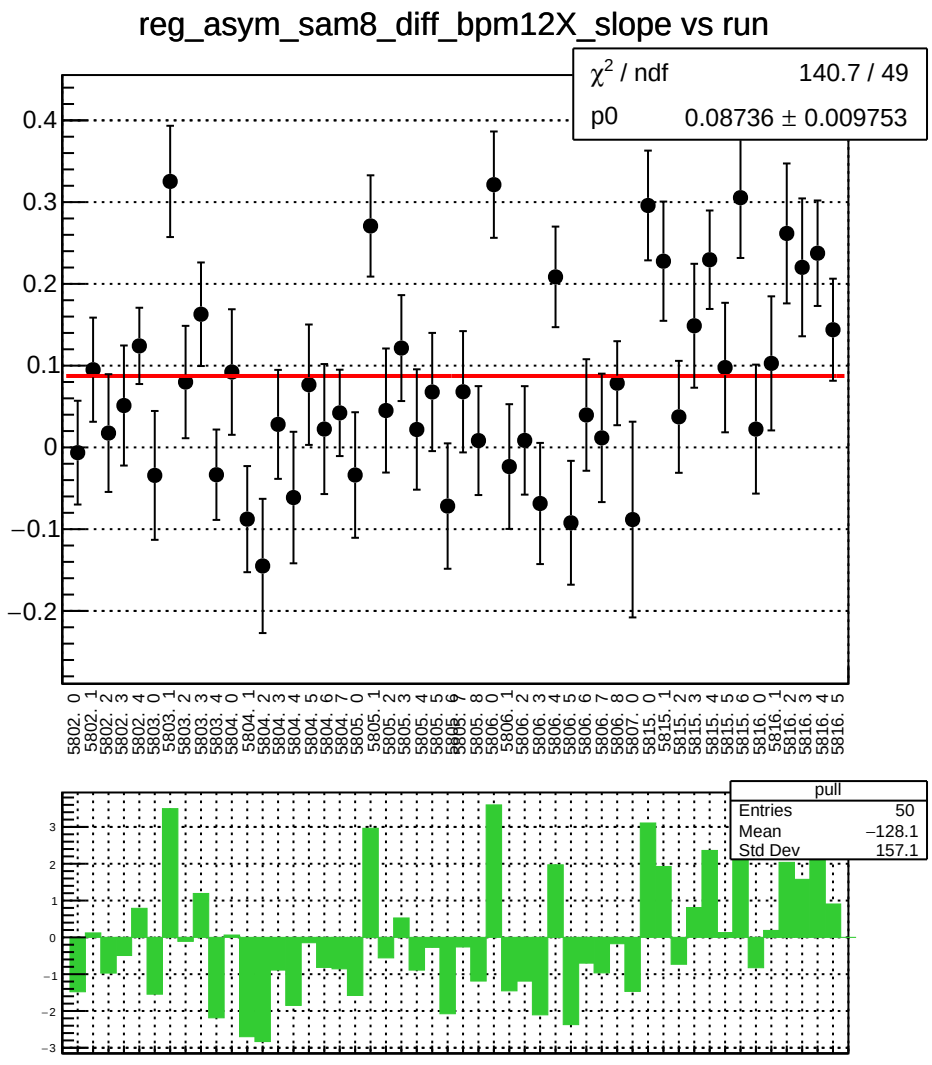

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 412.3 / 49
p0 −45.96 ± 0.1474
pull
Entries 50
Mean 312.5
Std Dev 282.6

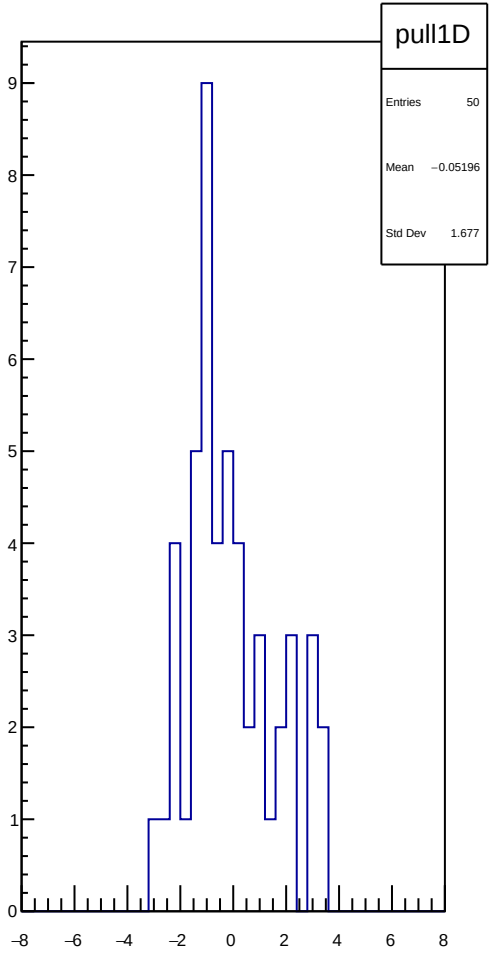

pull1D
Entries 50
Mean 0.09742
Std Dev 2.594

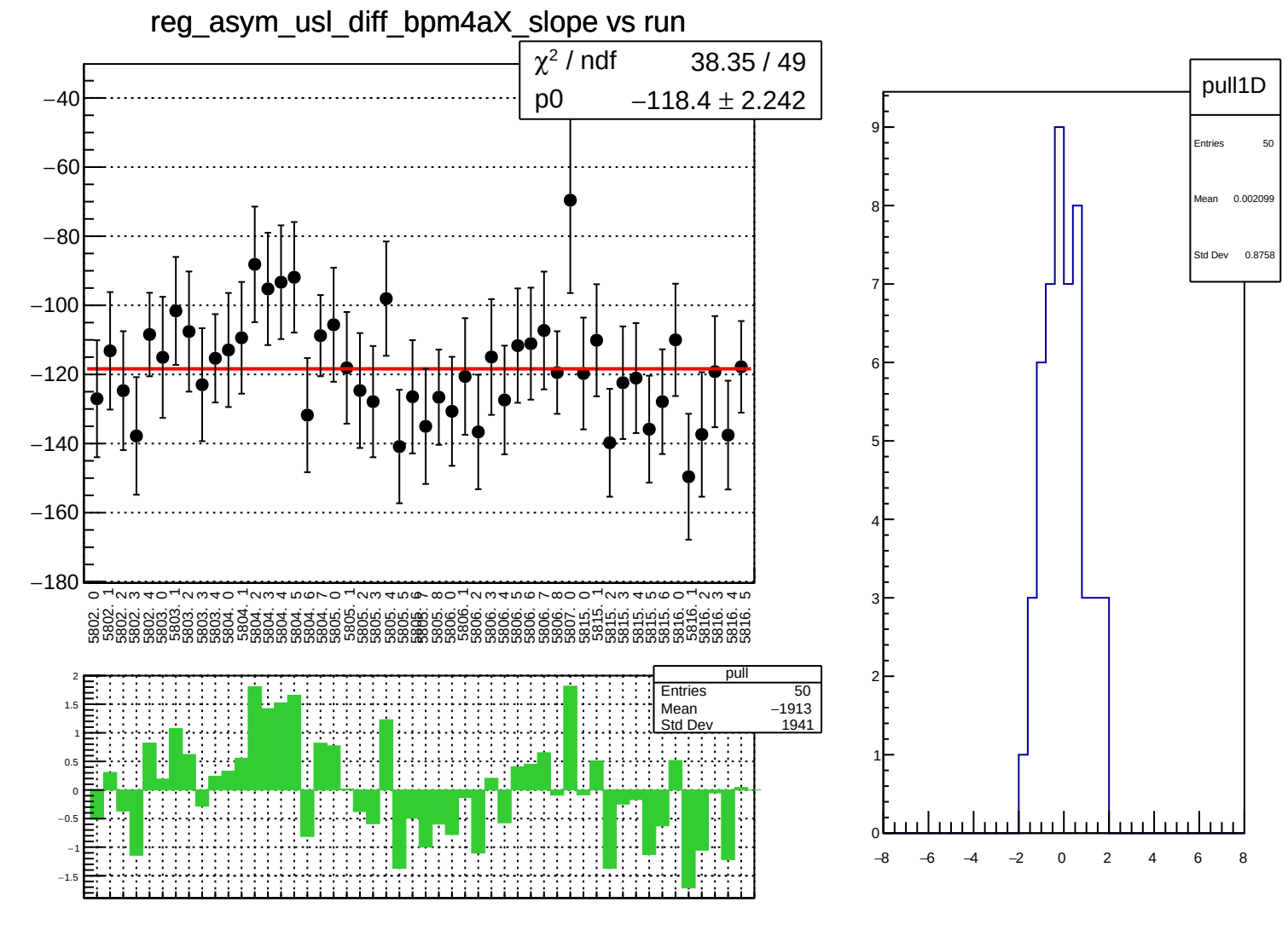

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 67.83 / 49
p0 −58.68 ± 0.2092
pull
Entries 50
Mean 204.8
Std Dev 178

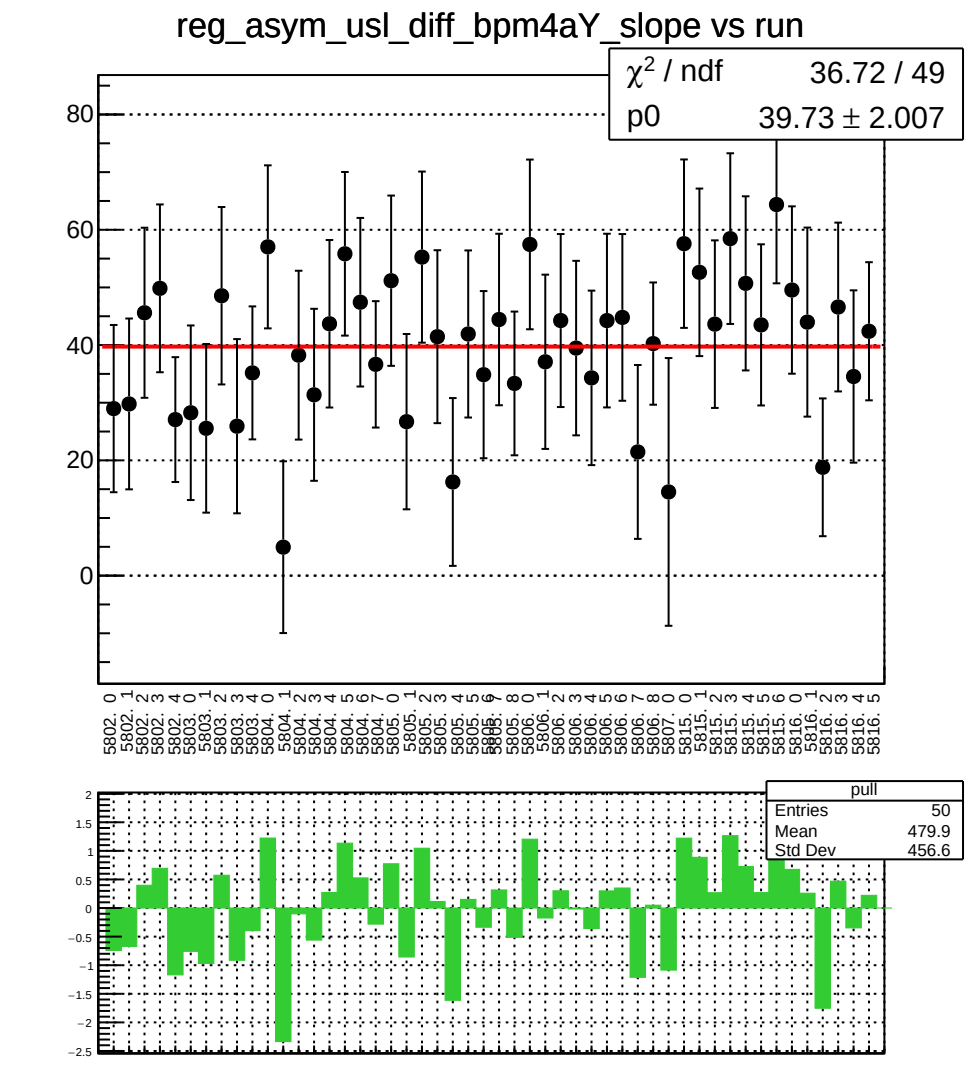

pull1D
Entries 50
Mean 0.01193
Std Dev 1.165

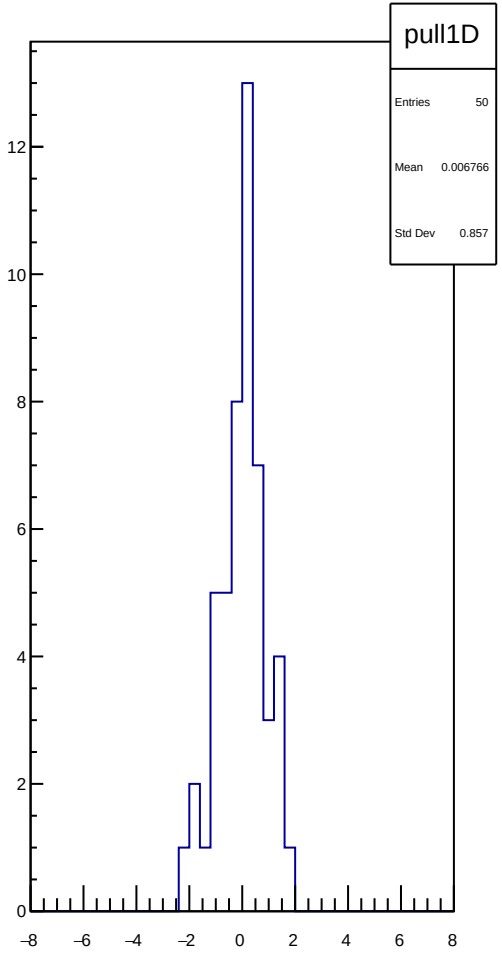

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 332.5 / 49
p0 45.56 ± 0.1608
pull
Entries 50
Mean 546.7
Std Dev 516.6
pull1D
Entries 50
Mean −0.1291
Std Dev 2.312

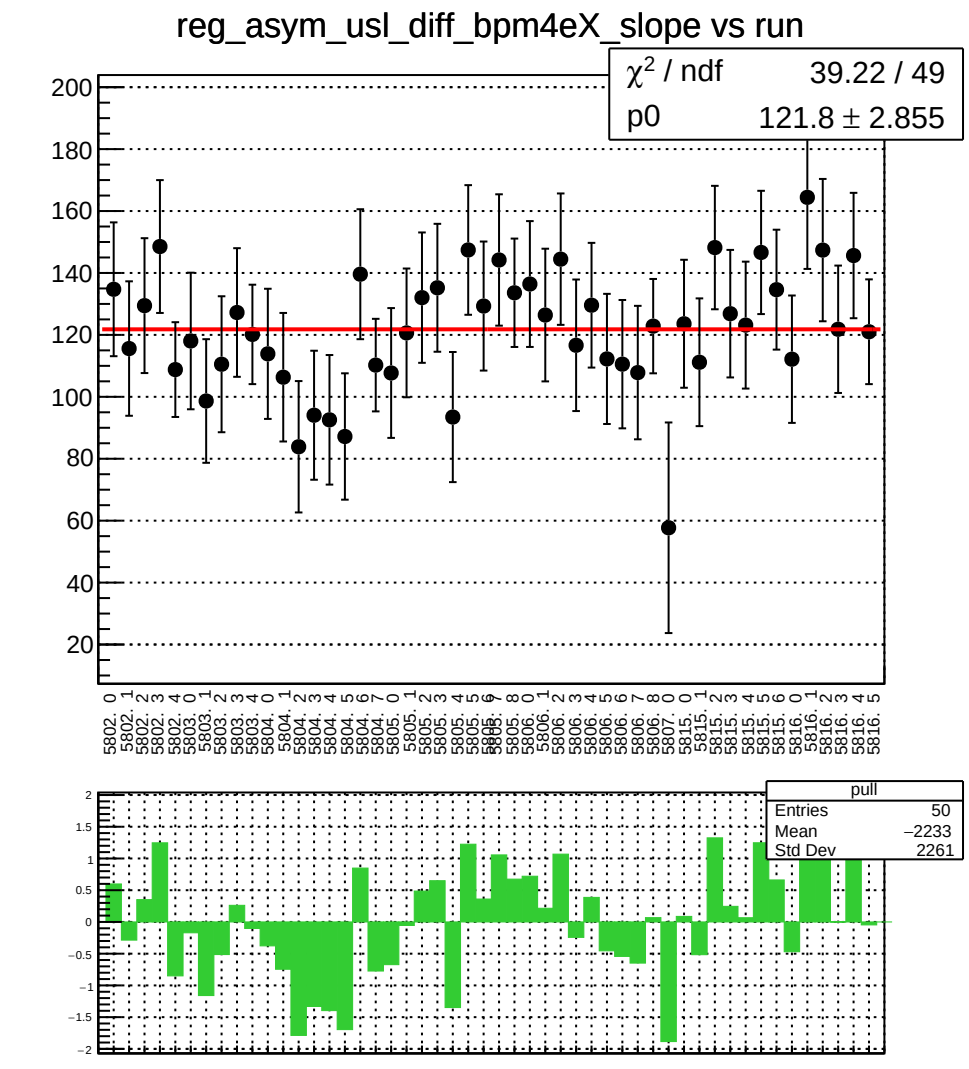

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 140.7 / 49
p0 0.08736 ± 0.009753
pull
Entries 50
Mean −128.1
Std Dev 157.1

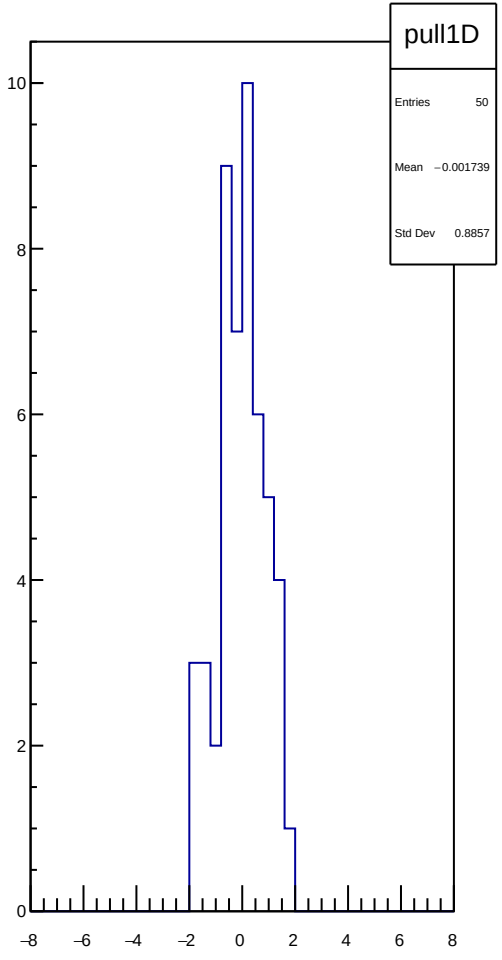

pull1D
Entries 50
Mean −0.05196
Std Dev 1.677

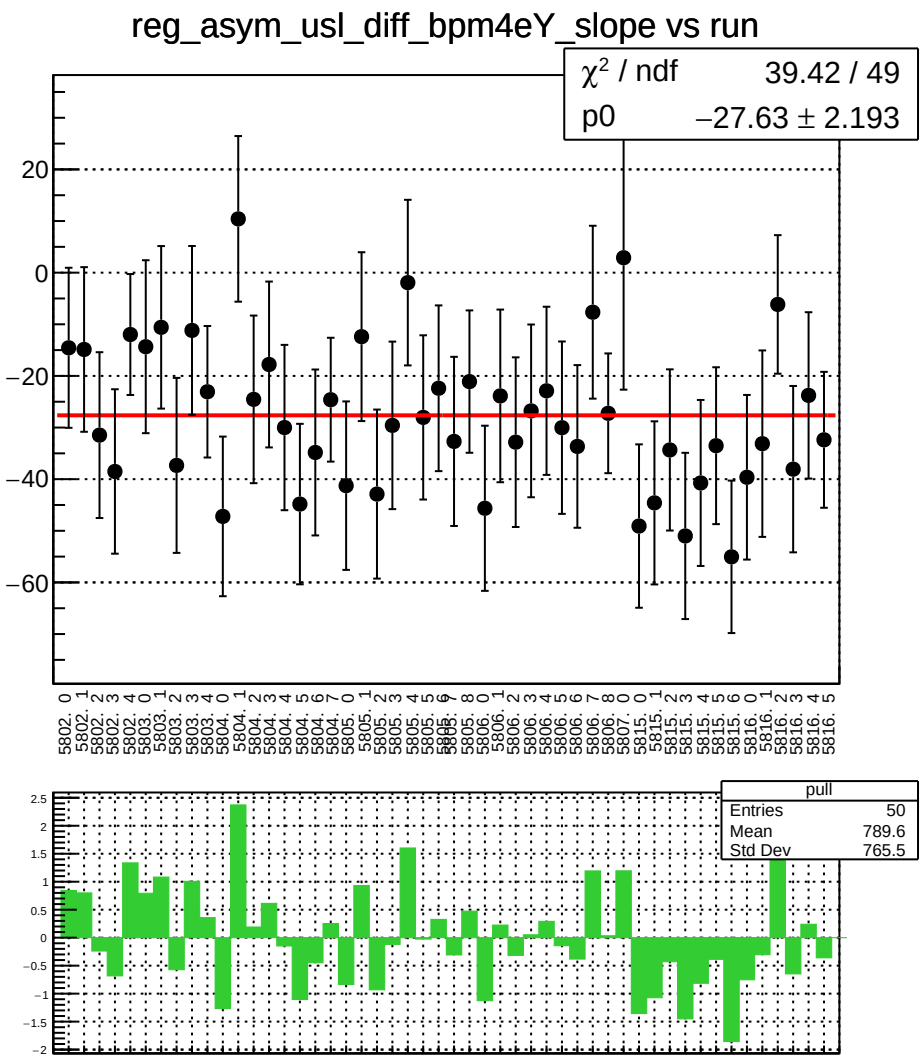

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 38.35 / 49
p0 −118.4 ± 2.242
pull
Entries 50
Mean −1913
Std Dev 1941
pull1D
Entries 50
Mean 0.002099
Std Dev 0.8758

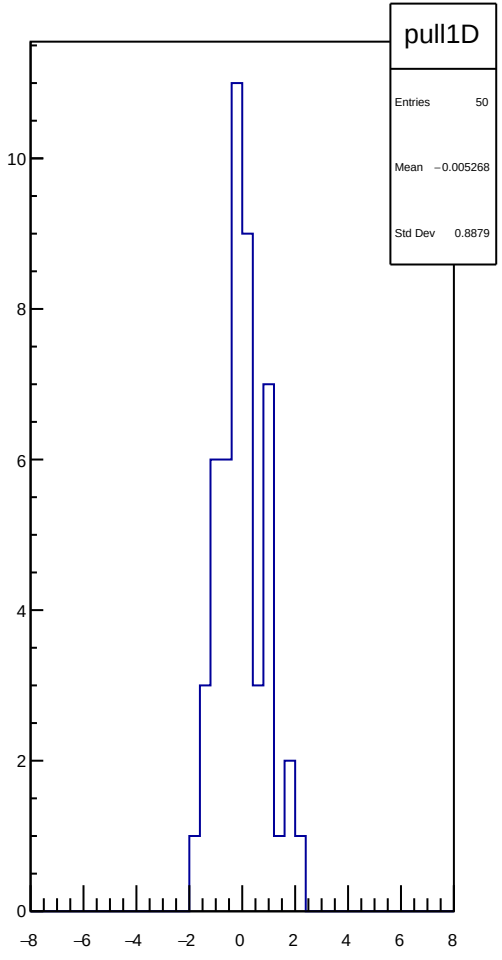

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 36.72 / 49
p0 39.73 ± 2.007
pull
Entries 50
Mean 479.9
Std Dev 456.6

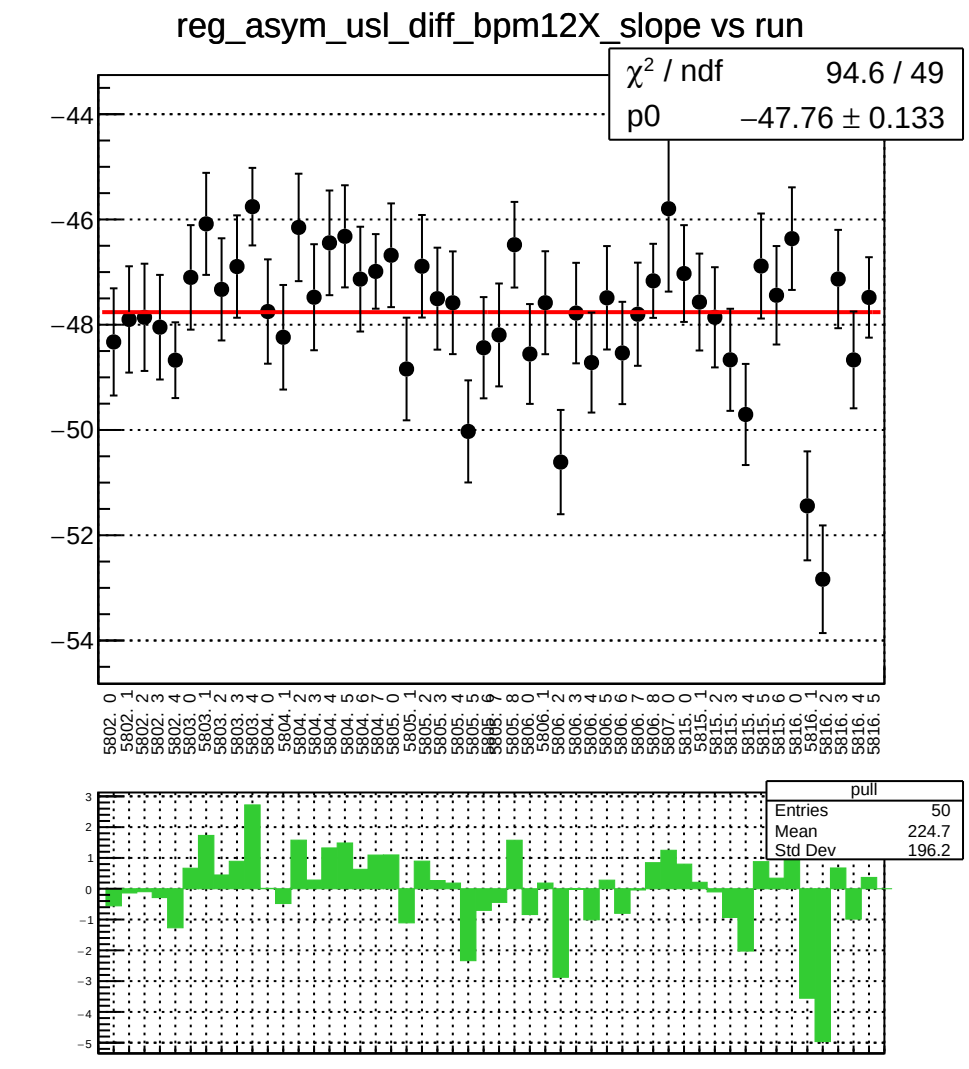

pull1D
Entries 50
Mean 0.006766
Std Dev 0.857

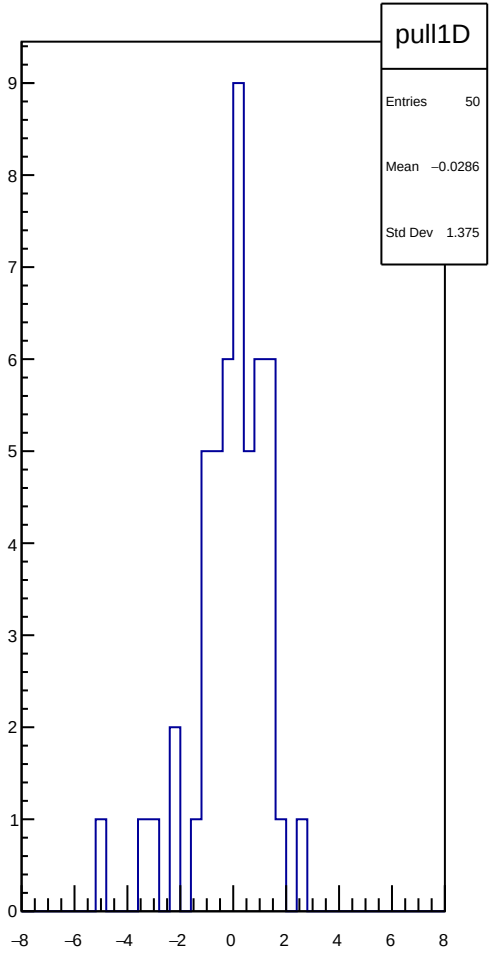

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 39.22 / 49
p0 121.8 ± 2.855
pull
Entries 50
Mean −2233
Std Dev 2261

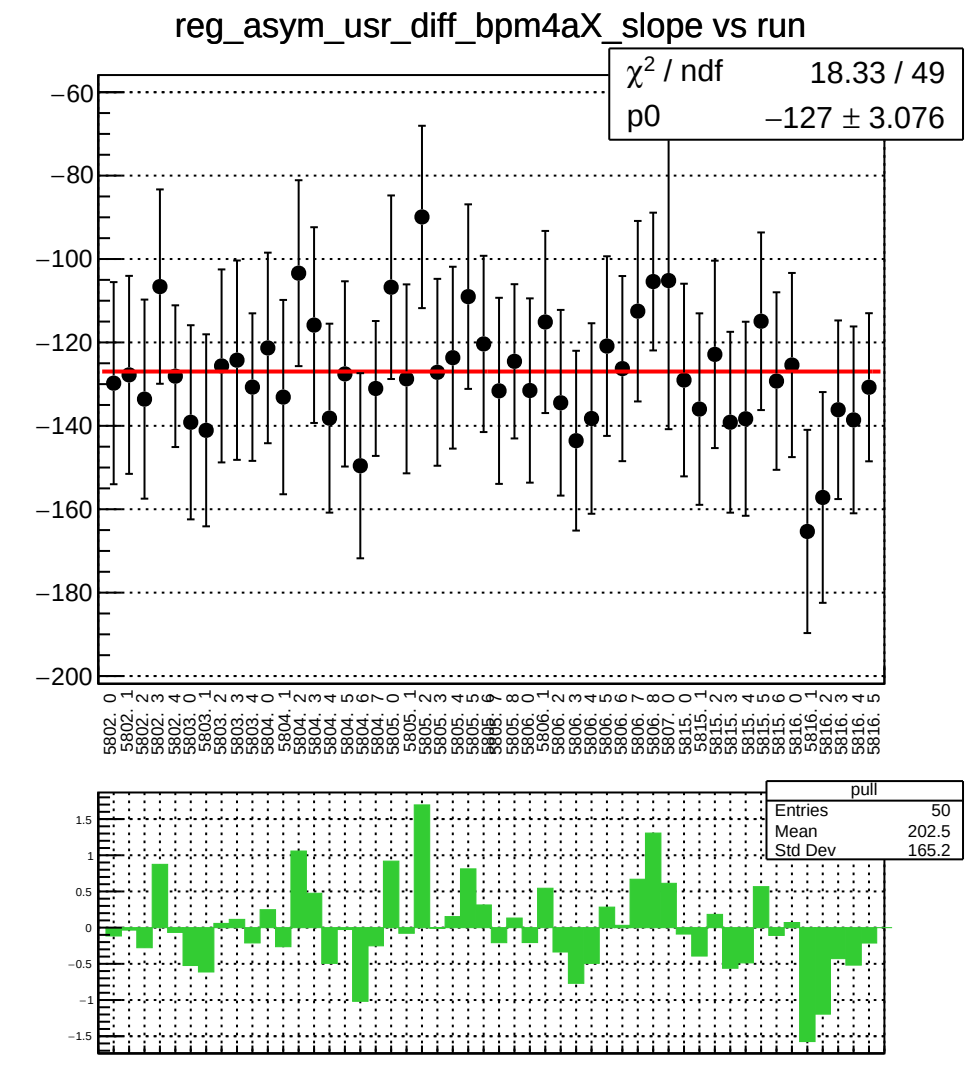

pull1D
Entries 50
Mean −0.001739
Std Dev 0.8857

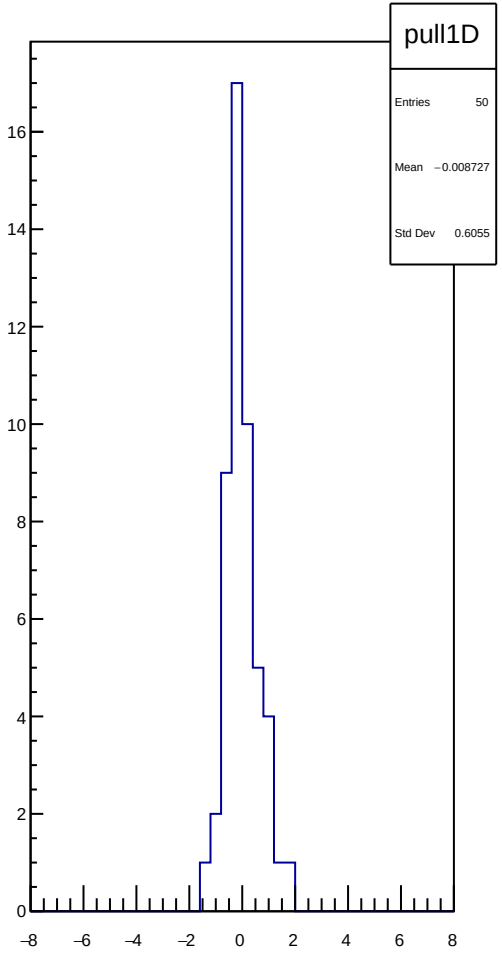

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 39.42 / 49
p0 −27.63 ± 2.193
20
0
−20
−40
−60
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 789.6
Std Dev 765.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

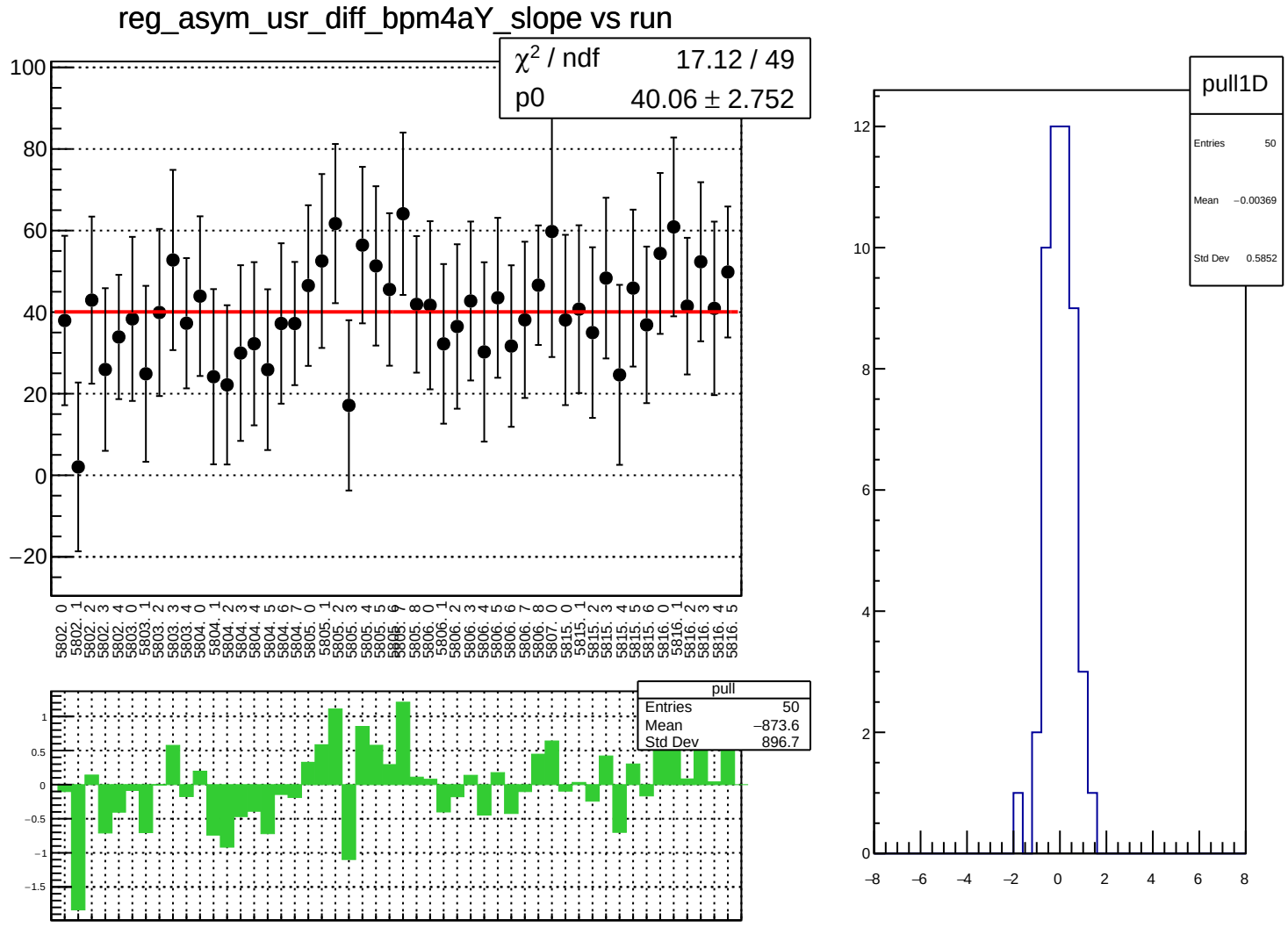

pull1D
Entries 50
Mean −0.005268
Std Dev 0.8879
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

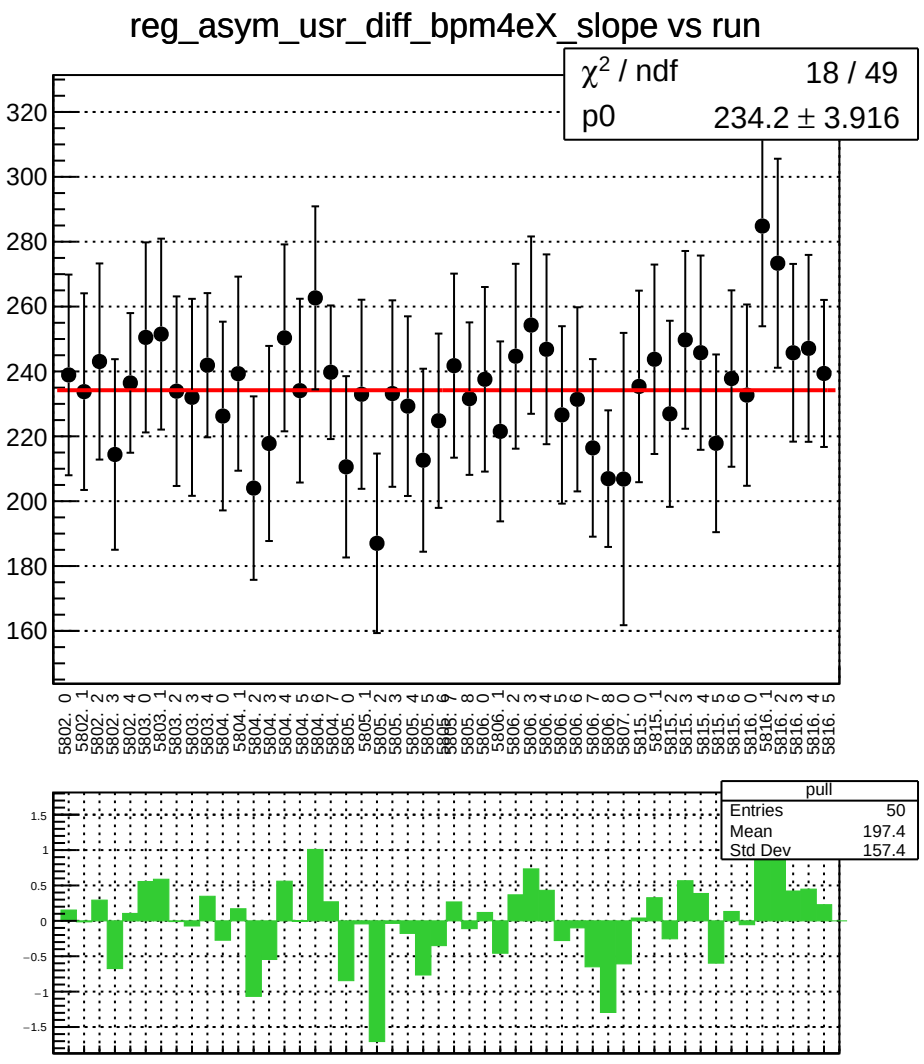

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 94.6 / 49
p0 −47.76 ± 0.133
pull
Entries 50
Mean 224.7
Std Dev 196.2

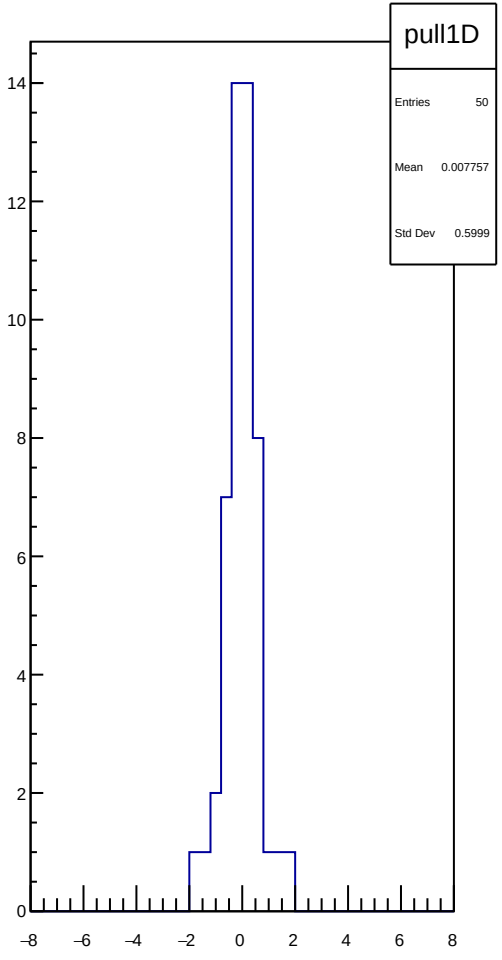

pull1D
Entries 50
Mean −0.0286
Std Dev 1.375

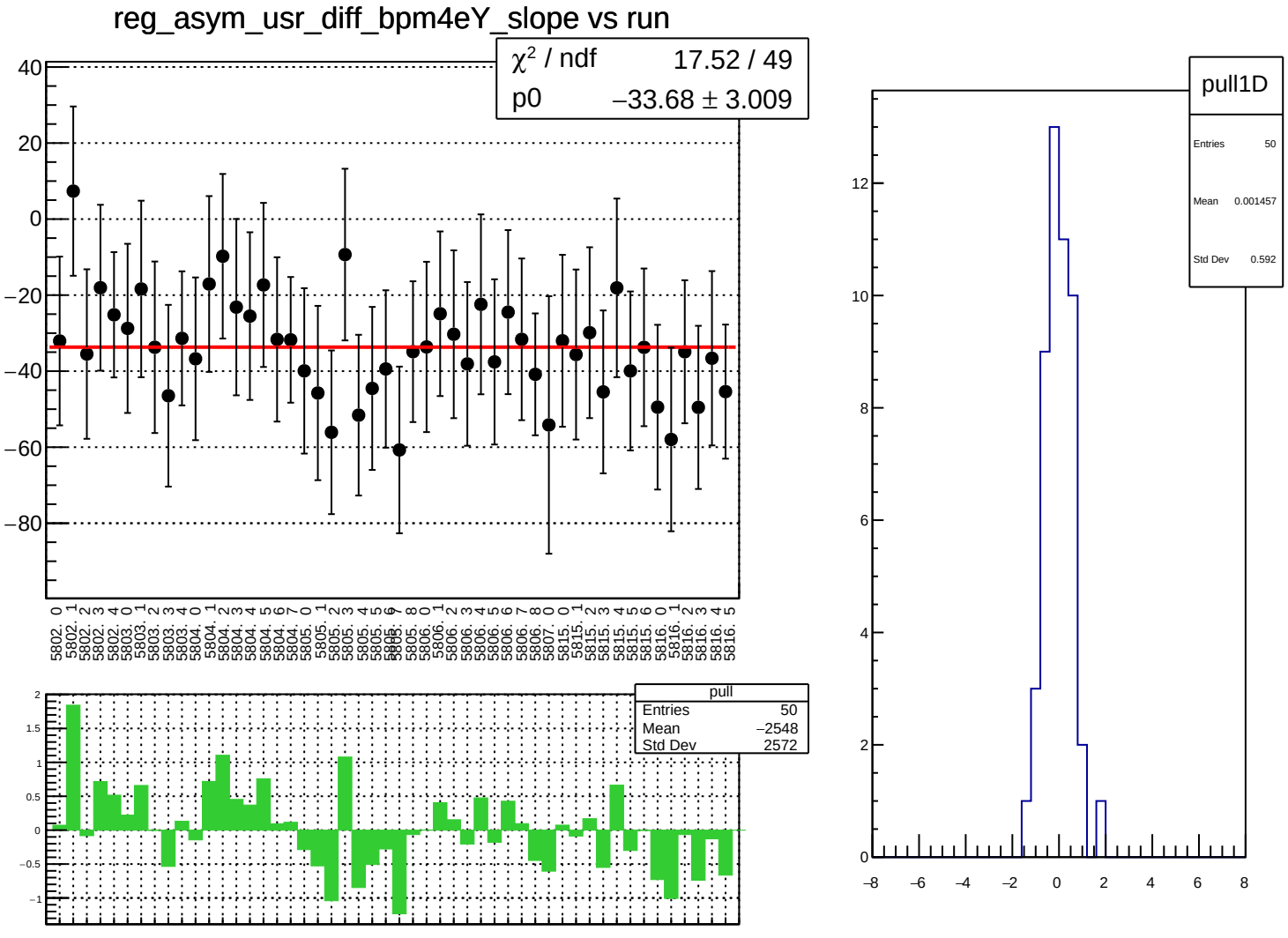

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 18.33 / 49
p0 −127 ± 3.076
pull
Entries 50
Mean 202.5
Std Dev 165.2

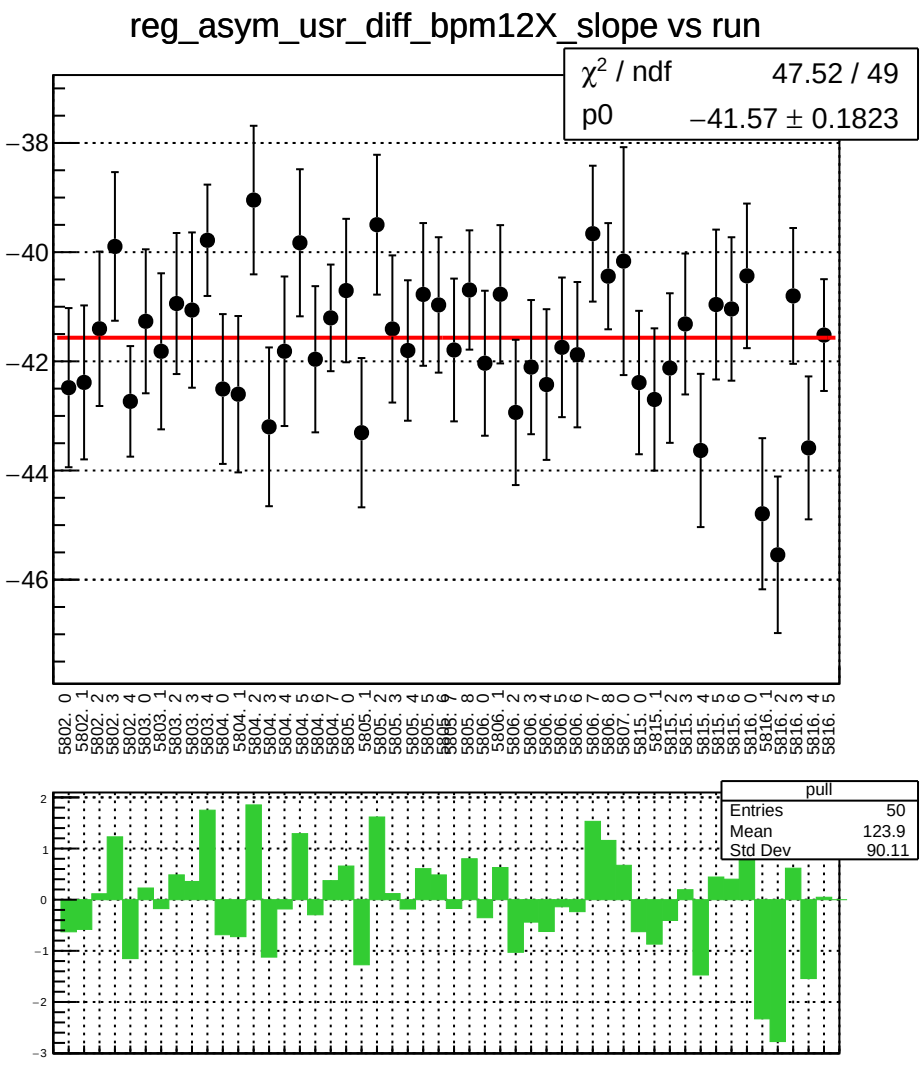

pull1D
Entries 50
Mean −0.008727
Std Dev 0.6055

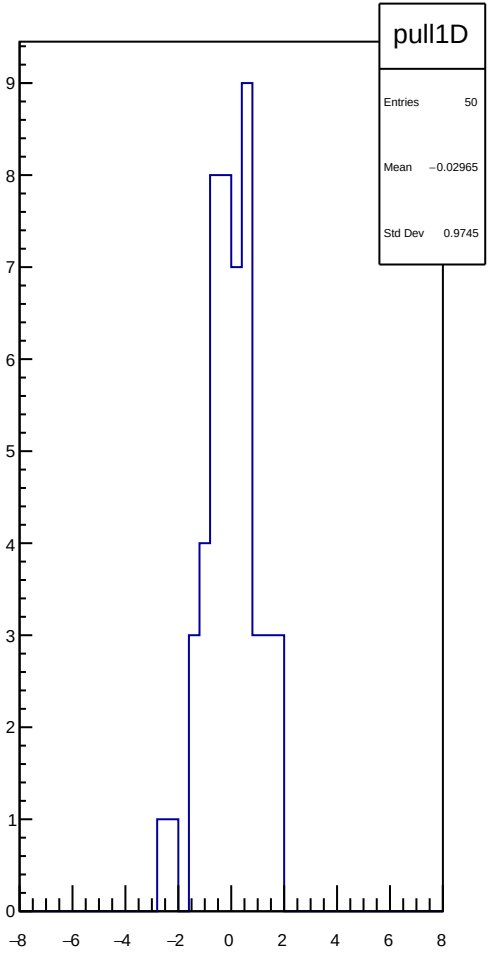

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 17.12 / 49
p0 40.06 ± 2.752
pull
Entries 50
Mean −873.6
Std Dev 896.7
pull1D
Entries 50
Mean −0.00369
Std Dev 0.5852

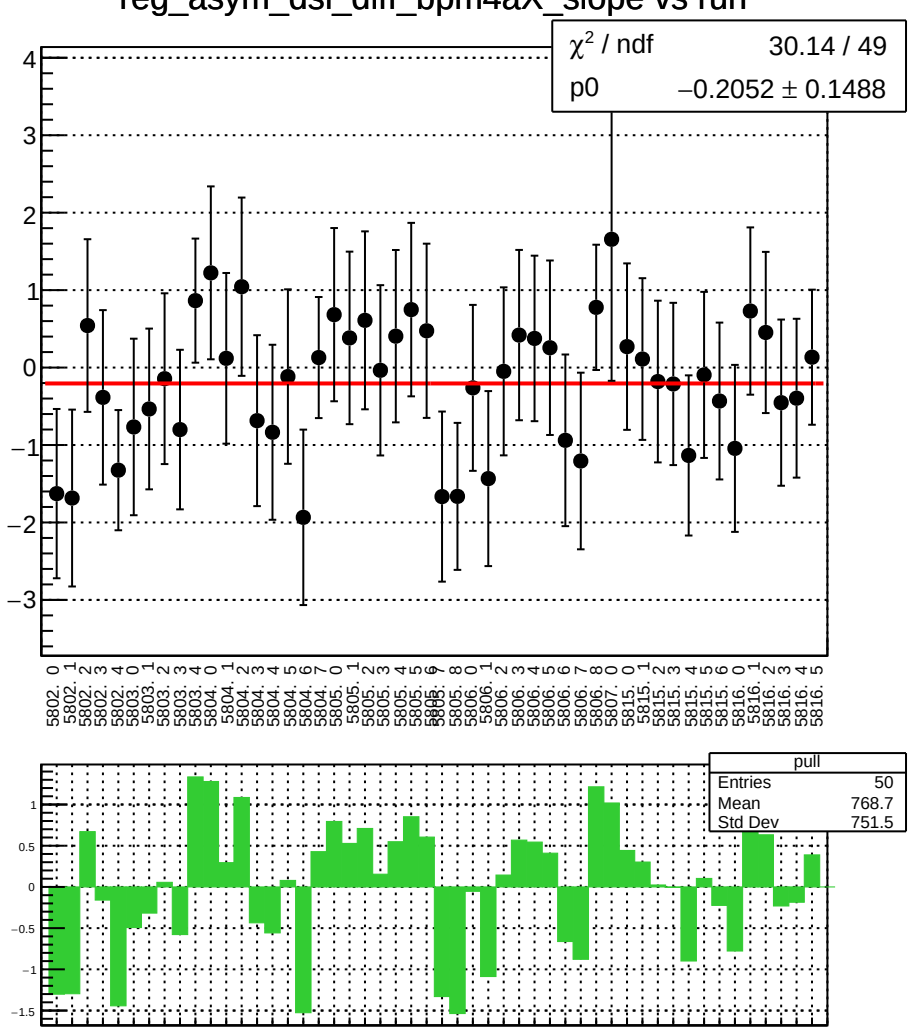

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 18 / 49
p0 234.2 ± 3.916
pull
Entries 50
Mean 197.4
Std Dev 157.4

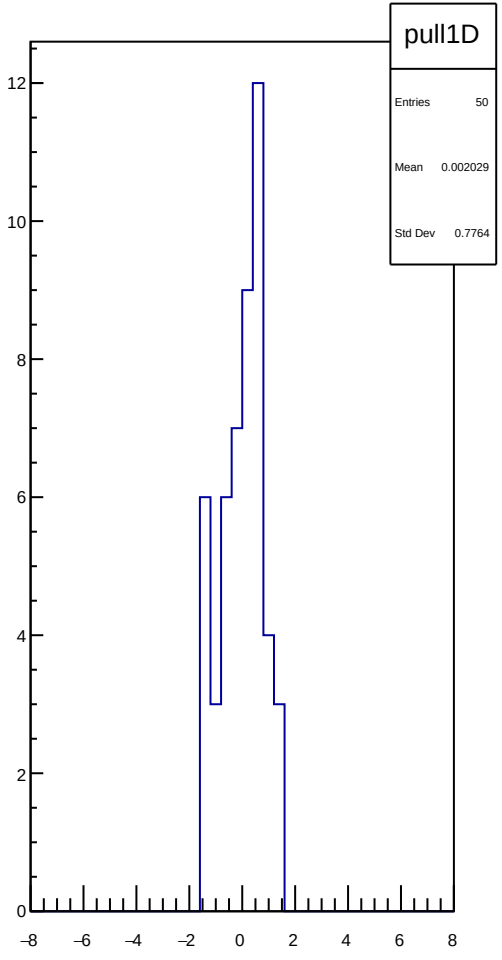

pull1D
Entries 50
Mean 0.007757
Std Dev 0.5999

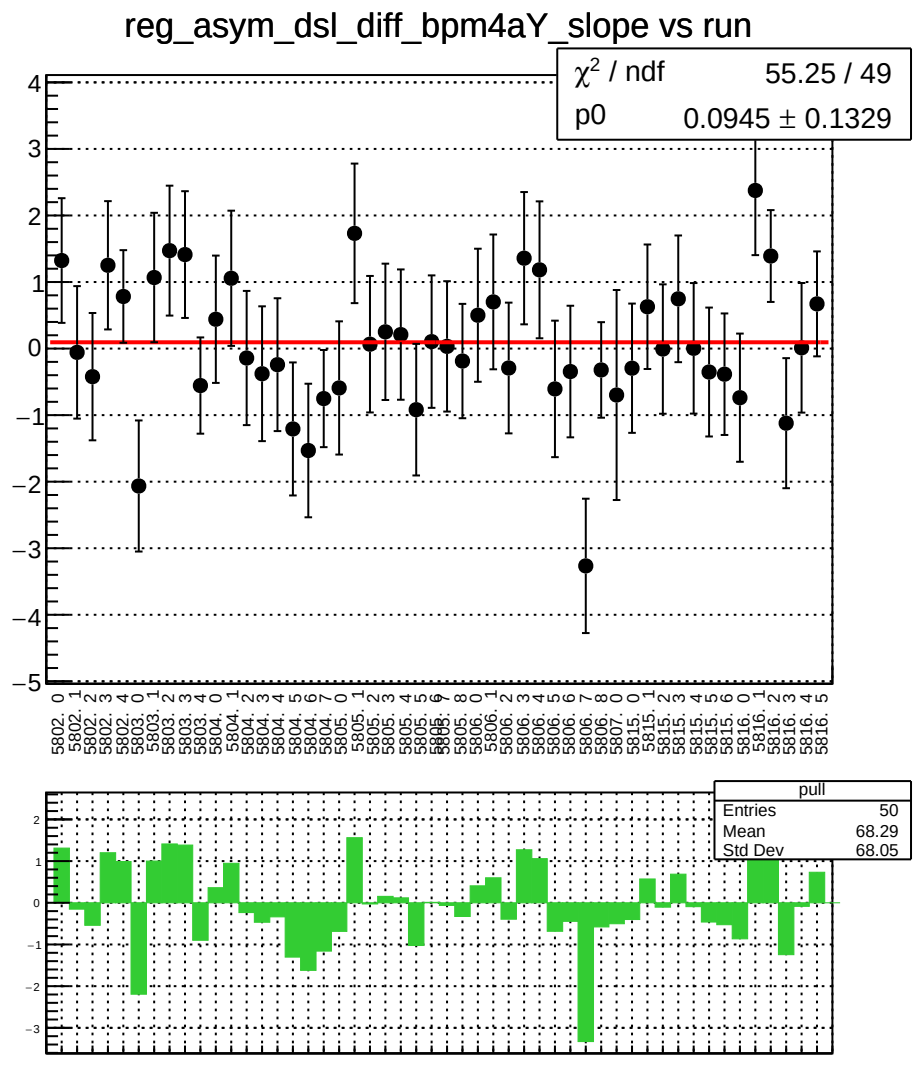

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 17.52 / 49
p0 −33.68 ± 3.009
pull
Entries 50
Mean −2548
Std Dev 2572
pull1D
Entries 50
Mean 0.001457
Std Dev 0.592

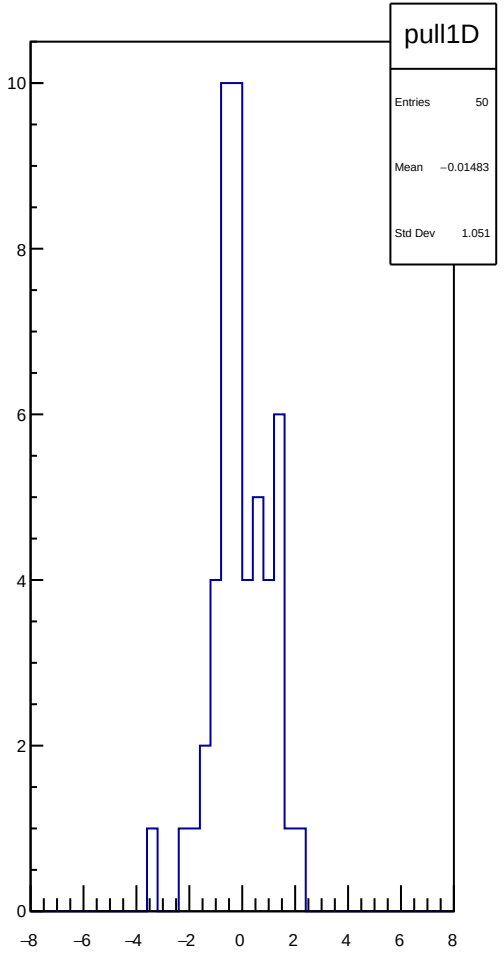

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 47.52 / 49
p0 −41.57 ± 0.1823
pull
Entries 50
Mean 123.9
Std Dev 90.11

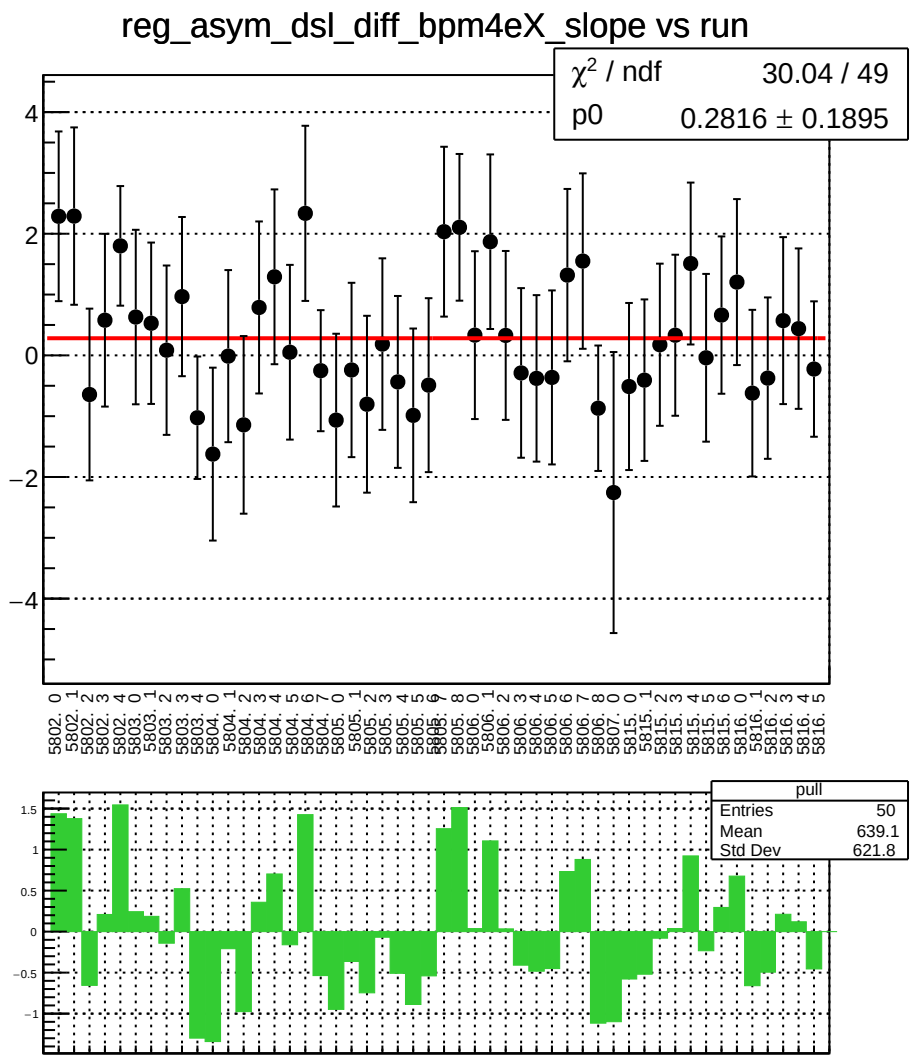

pull1D
Entries 50
Mean −0.02965
Std Dev 0.9745

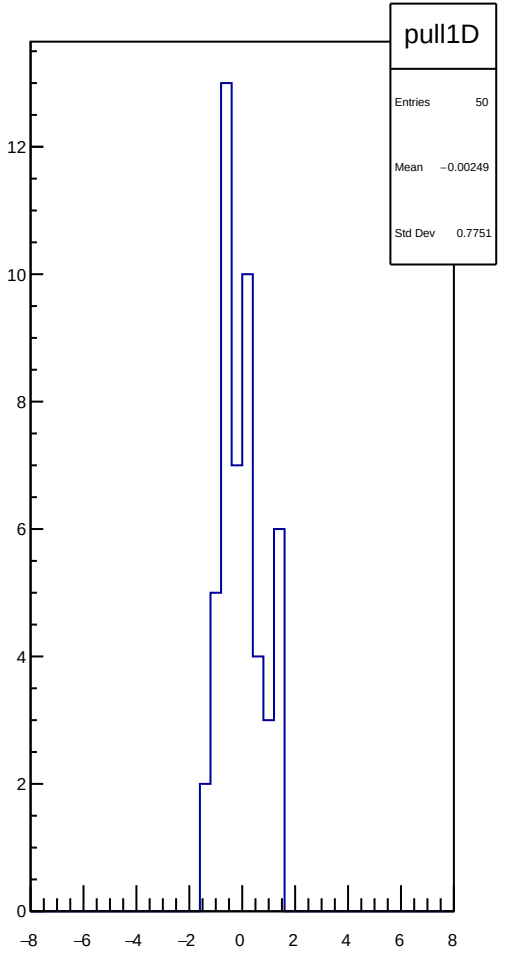

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 30.14 / 49
p0 −0.2052 ± 0.1488
pull
Entries 50
Mean 768.7
Std Dev 751.5

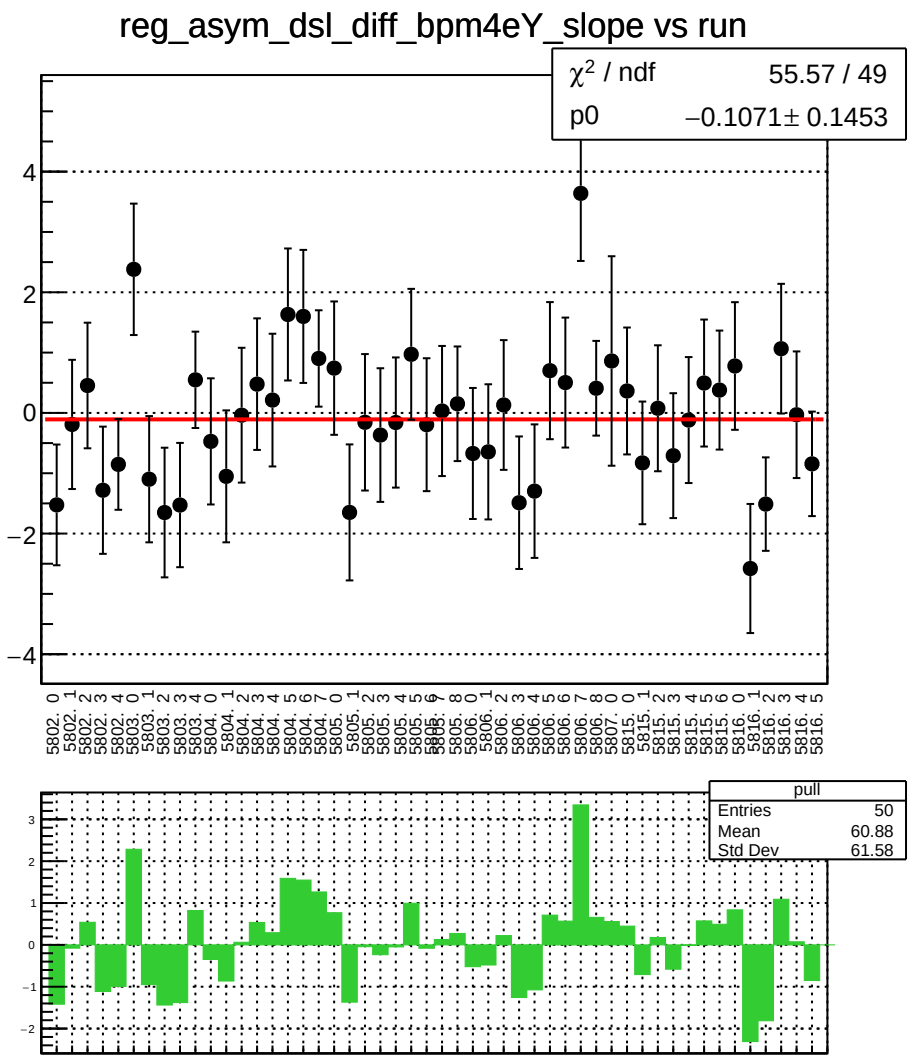

pull1D
Entries 50
Mean 0.002029
Std Dev 0.7764

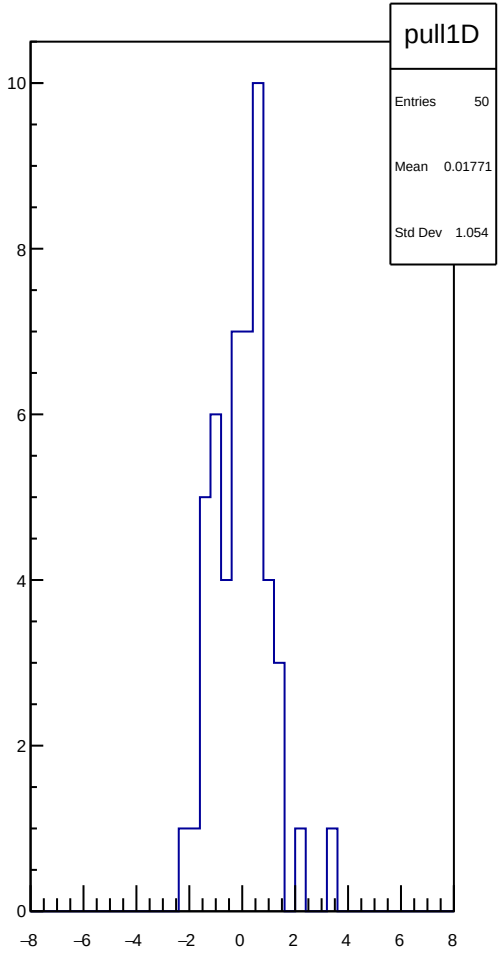

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 55.25 / 49
p0 0.0945 ± 0.1329
pull
Entries 50
Mean 68.29
Std Dev 68.05

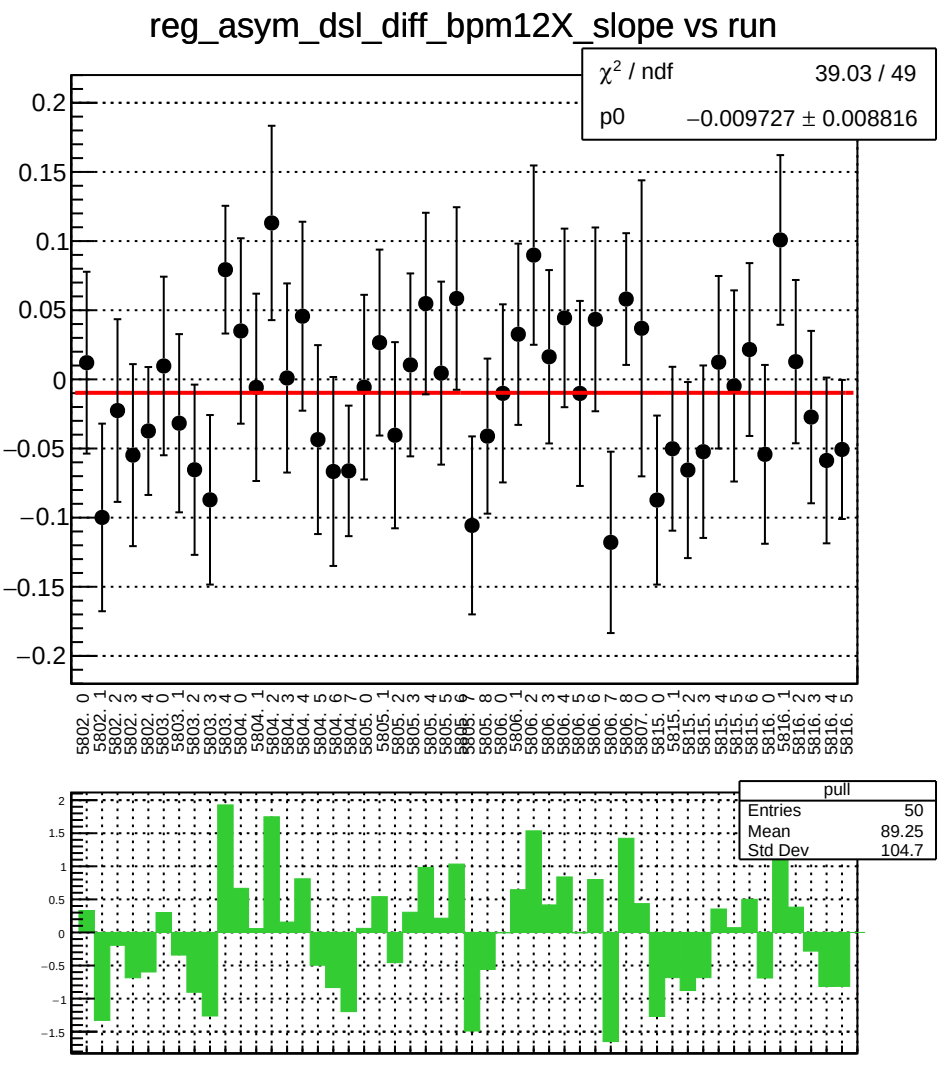

pull1D
Entries 50
Mean −0.01483
Std Dev 1.051

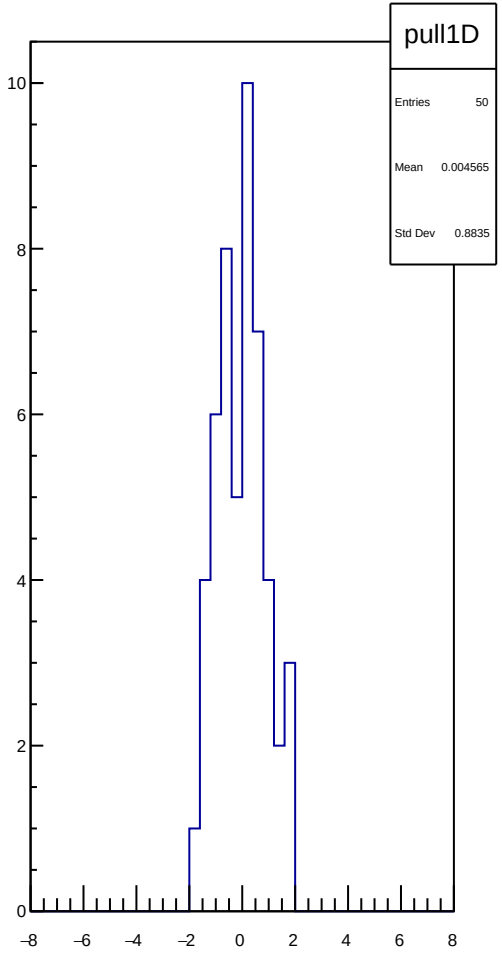

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 30.04 / 49
p0 0.2816 ± 0.1895
pull
Entries 50
Mean 639.1
Std Dev 621.8

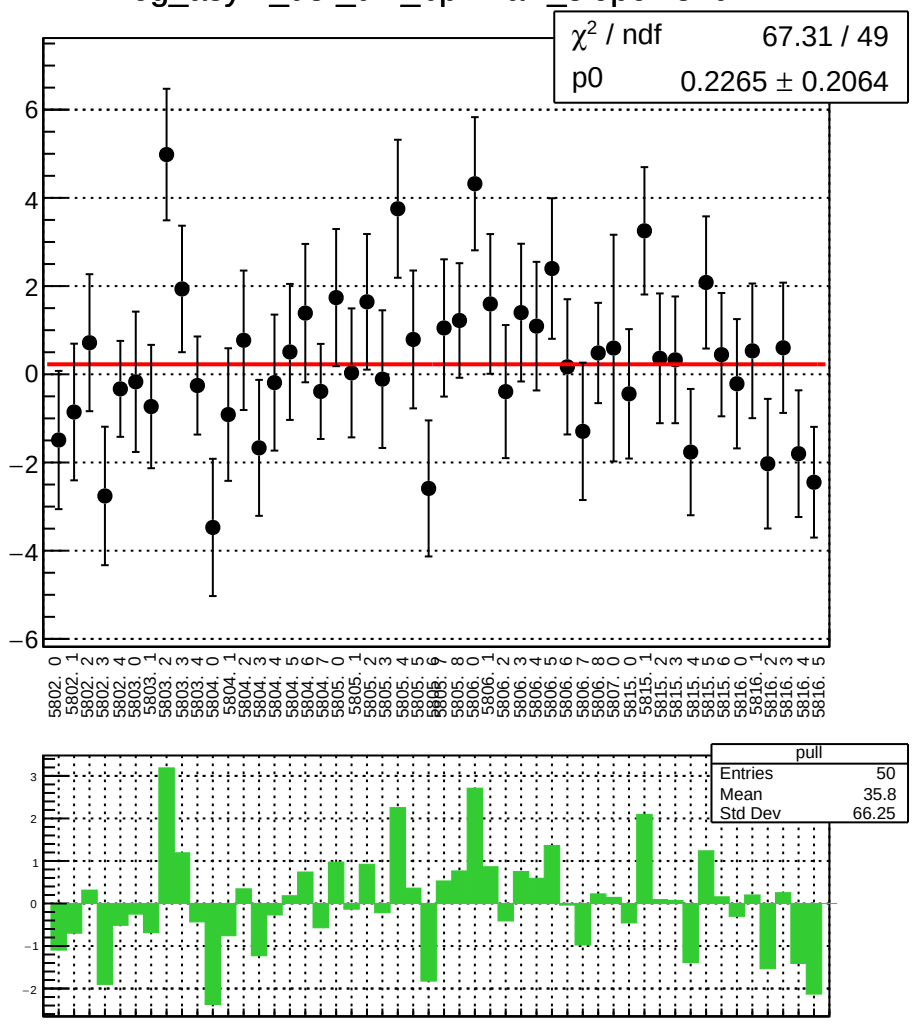

pull1D
Entries 50
Mean −0.00249
Std Dev 0.7751

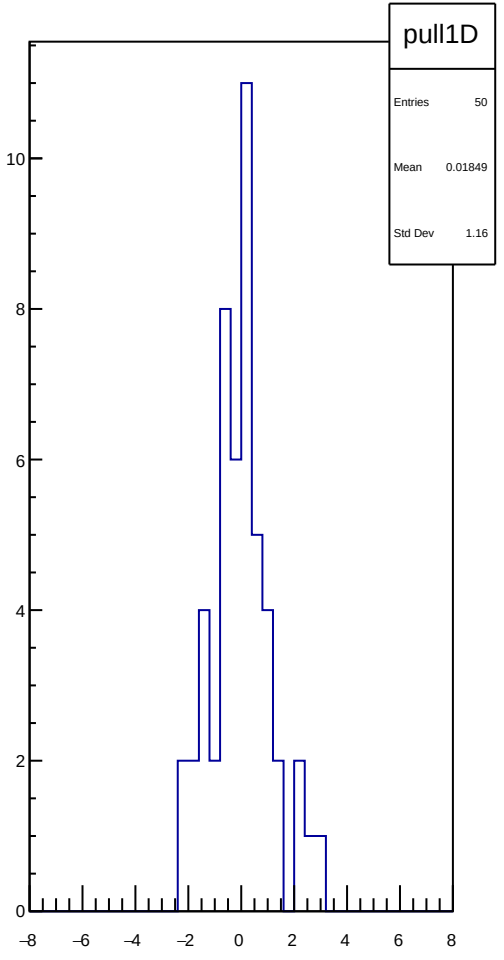

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 55.57 / 49
p0 −0.1071± 0.1453
pull
Entries 50
Mean 60.88
Std Dev 61.58

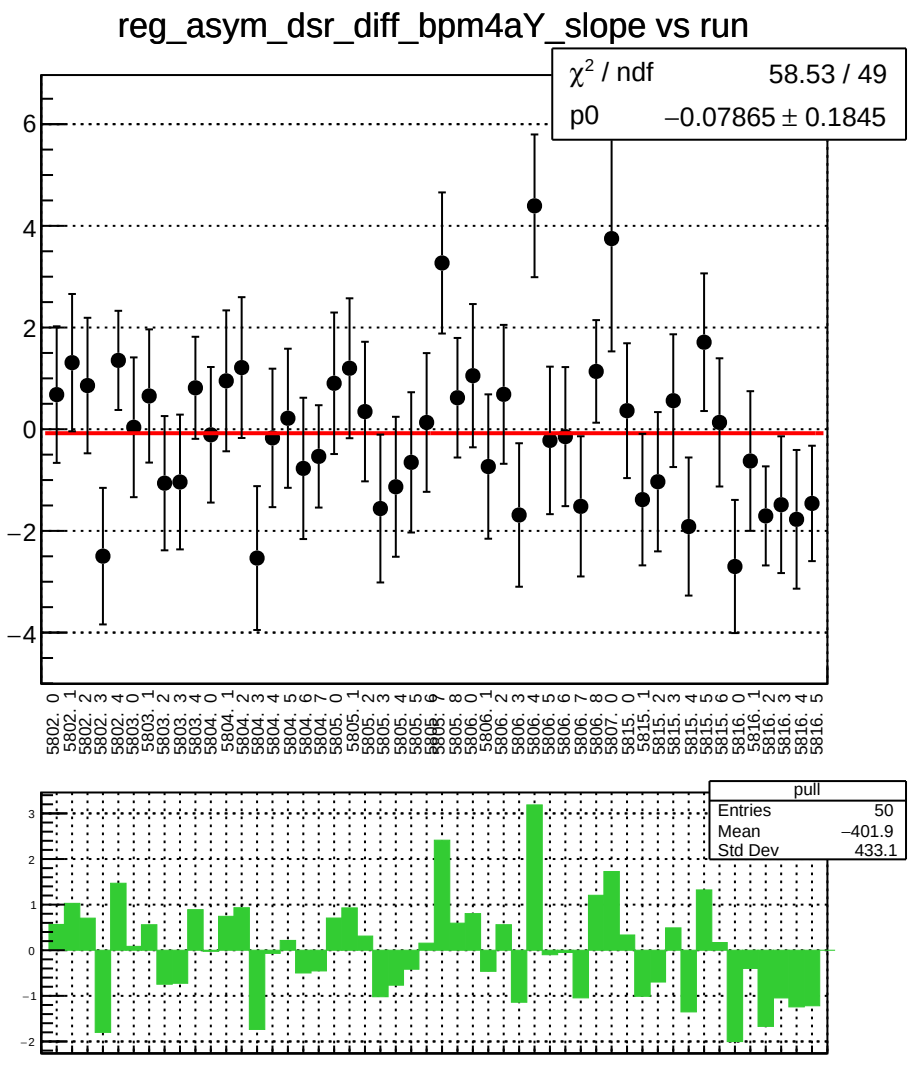

pull1D
Entries 50
Mean 0.01771
Std Dev 1.054

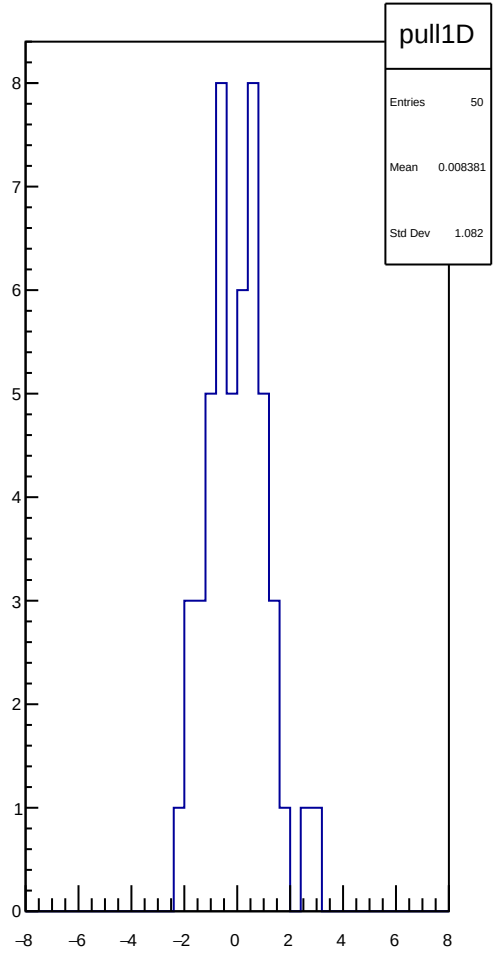

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 39.03 / 49
p0 −0.009727 ± 0.008816
pull
Entries 50
Mean 89.25
Std Dev 104.7

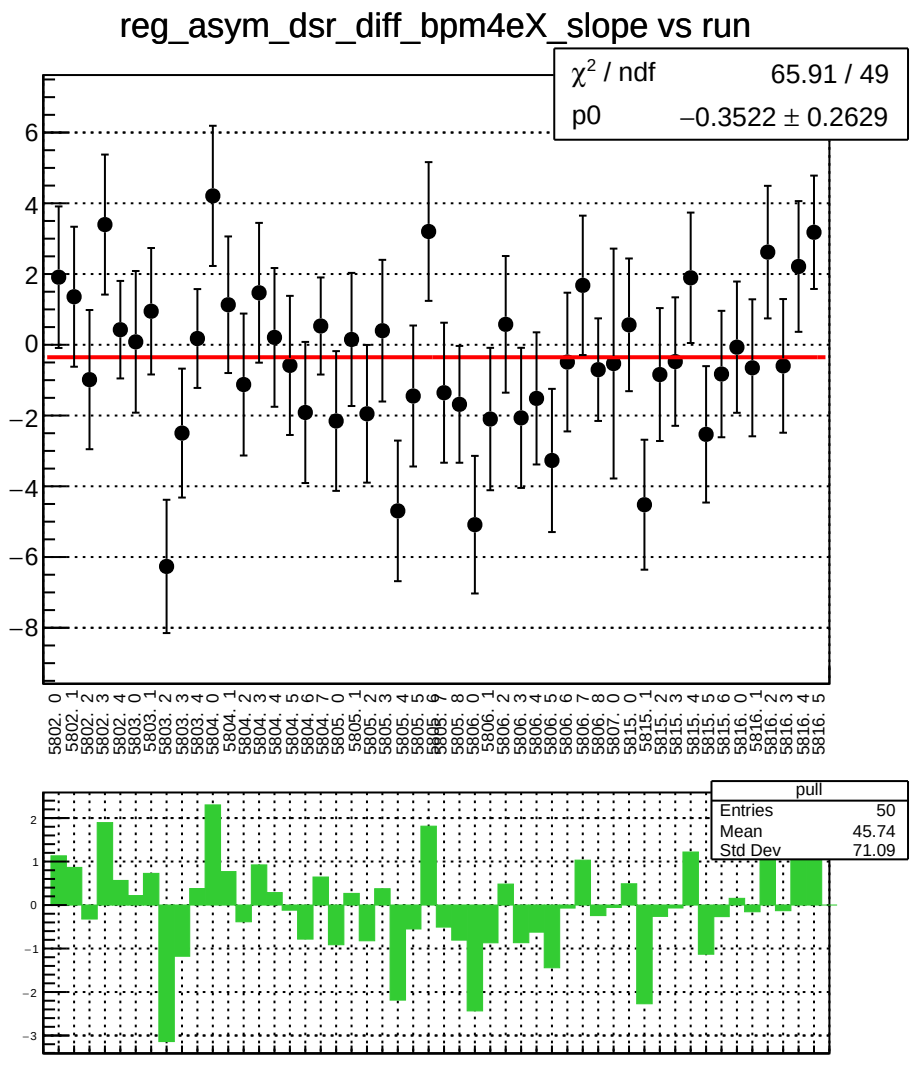

pull1D
Entries 50
Mean 0.004565
Std Dev 0.8835

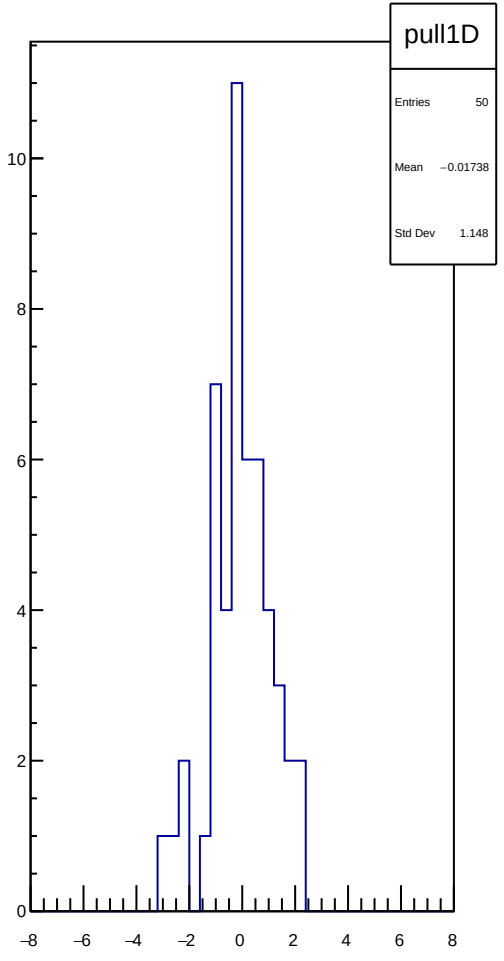

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 67.31 / 49
p0 0.2265 ± 0.2064
pull
Entries 50
Mean 35.8
Std Dev 66.25

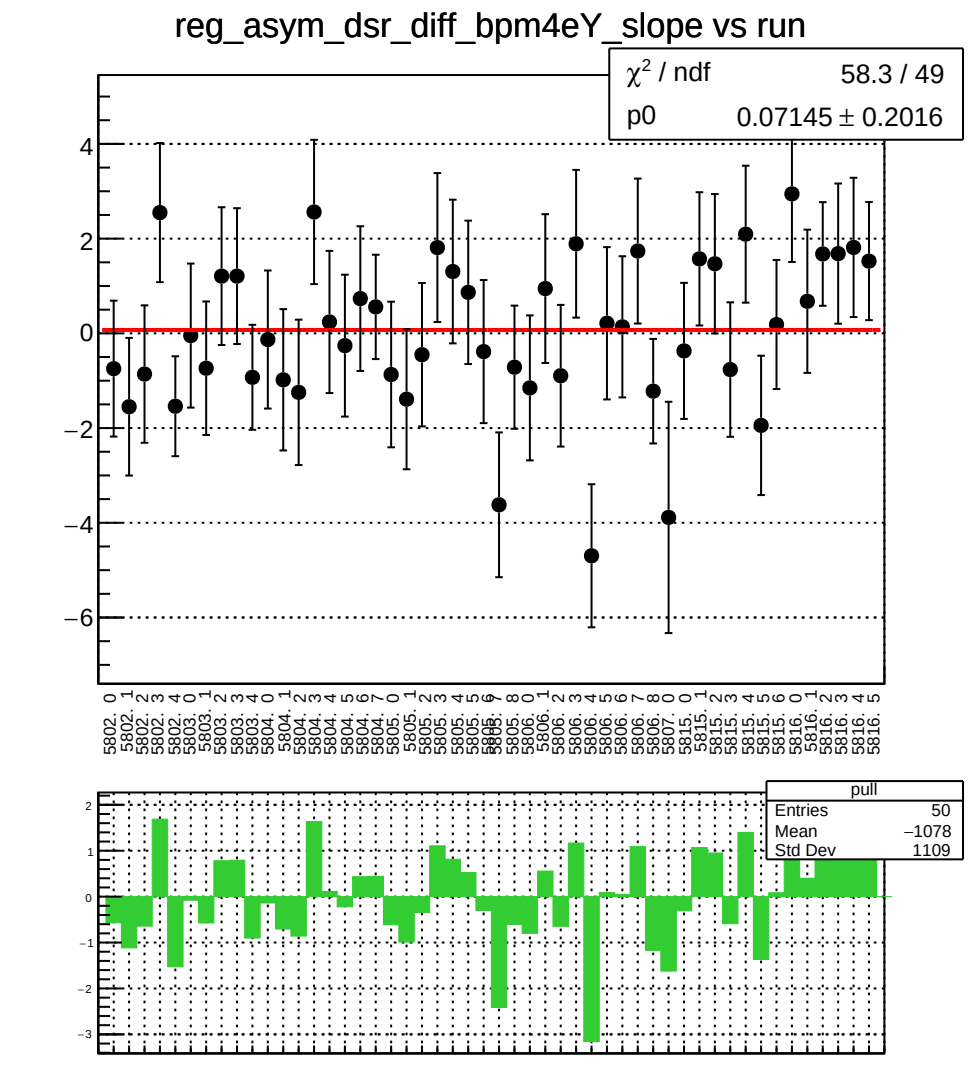

pull1D
Entries 50
Mean 0.01849
Std Dev 1.16

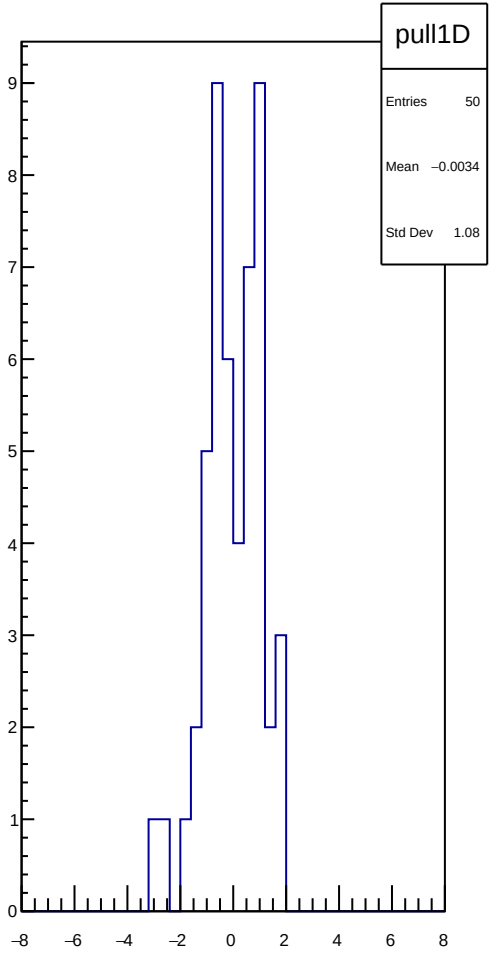

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 58.53 / 49
p0 −0.07865 ± 0.1845
pull
Entries 50
Mean −401.9
Std Dev 433.1

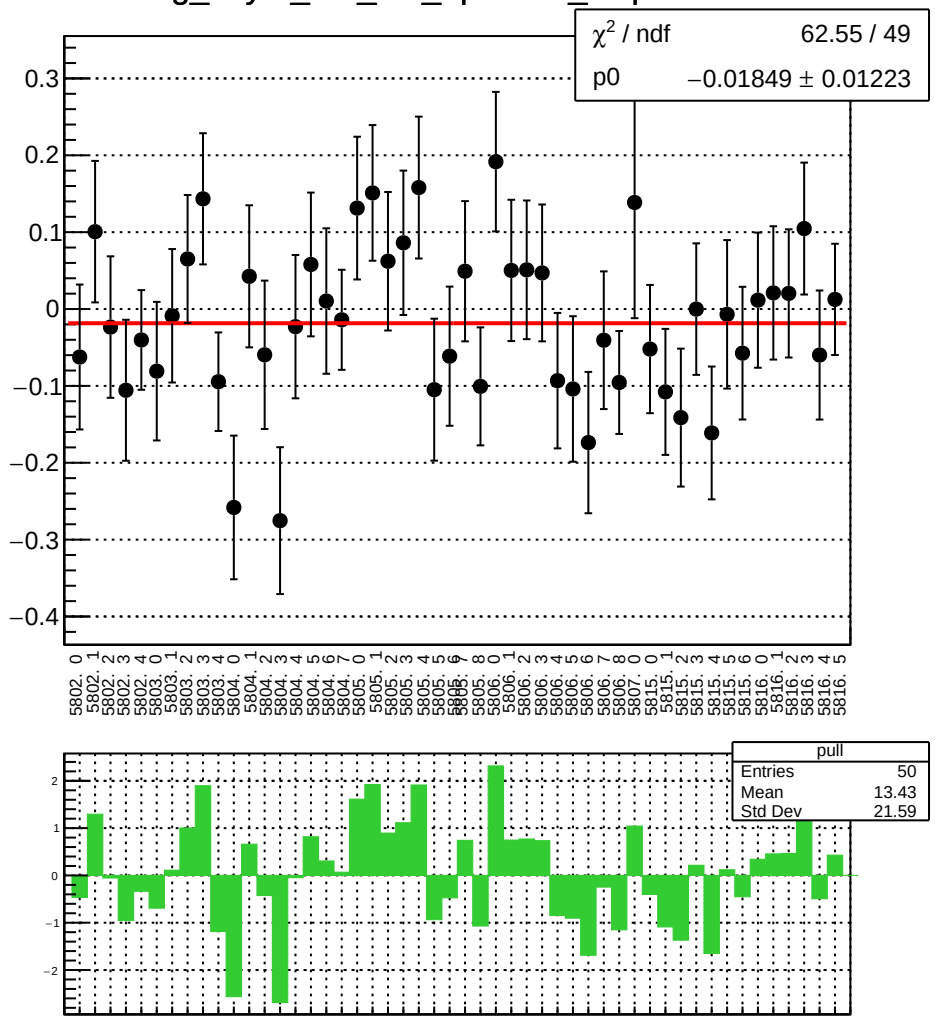

pull1D
Entries 50
Mean 0.008381
Std Dev 1.082

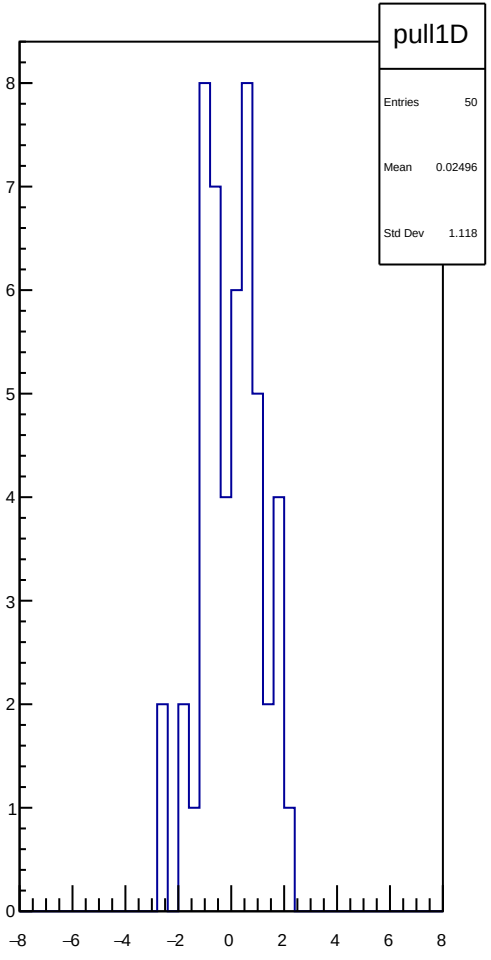

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 65.91 / 49
p0 −0.3522 ± 0.2629
pull
Entries 50
Mean 45.74
Std Dev 71.09

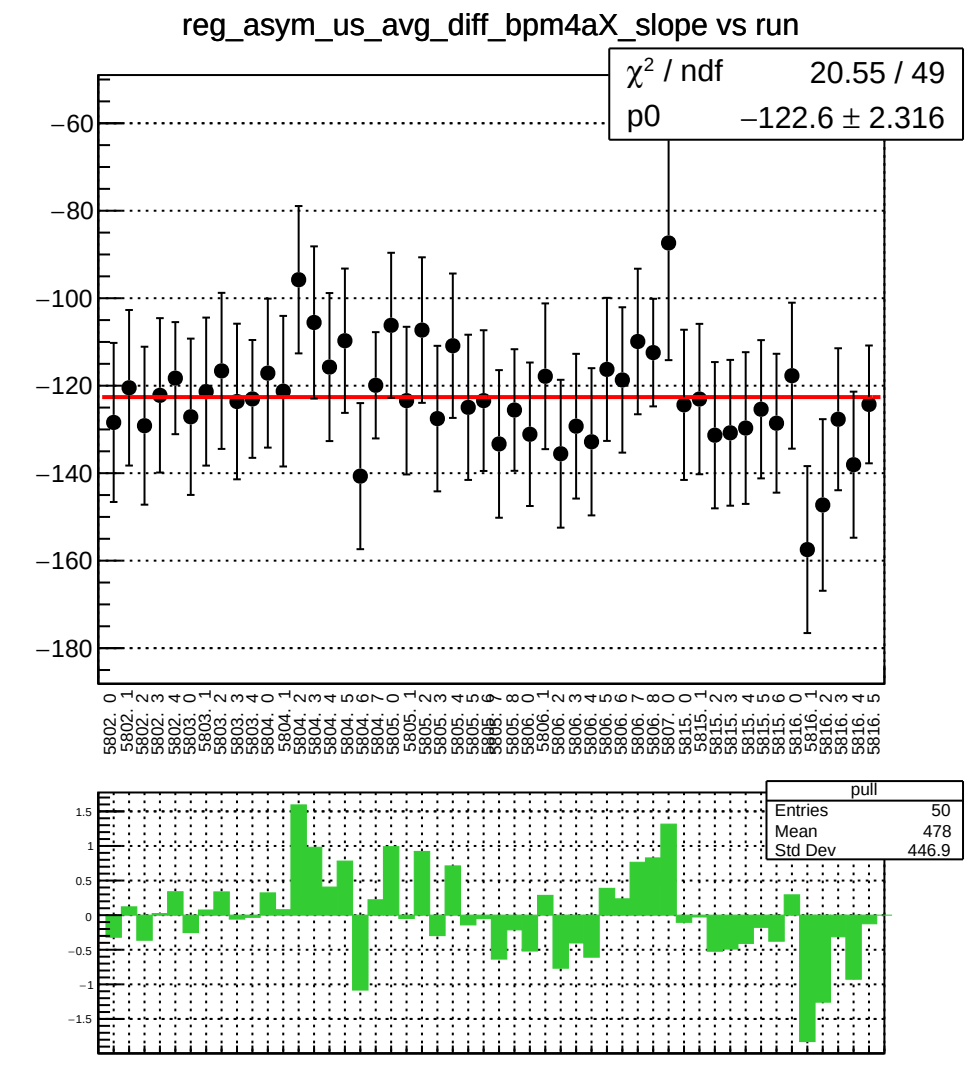

pull1D
Entries 50
Mean −0.01738
Std Dev 1.148

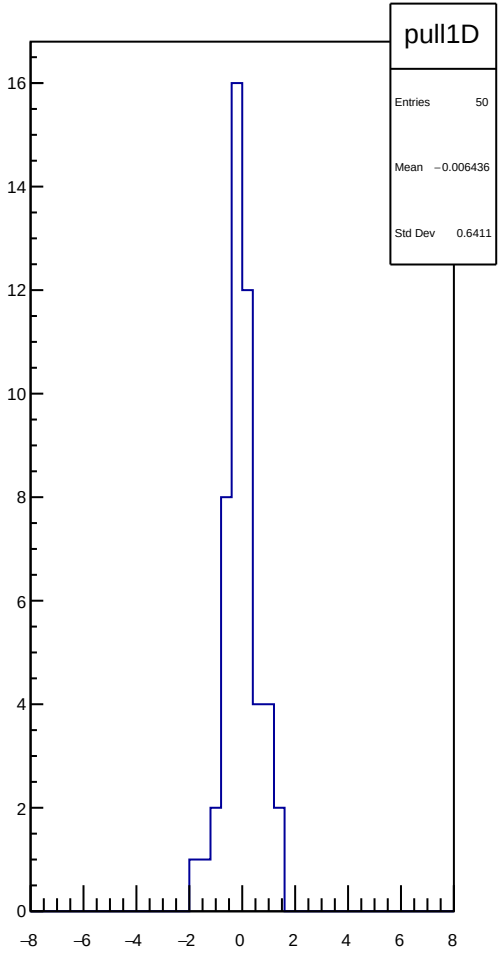

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 58.3 / 49
p0 0.07145 ± 0.2016
pull
Entries 50
Mean −1078
Std Dev 1109

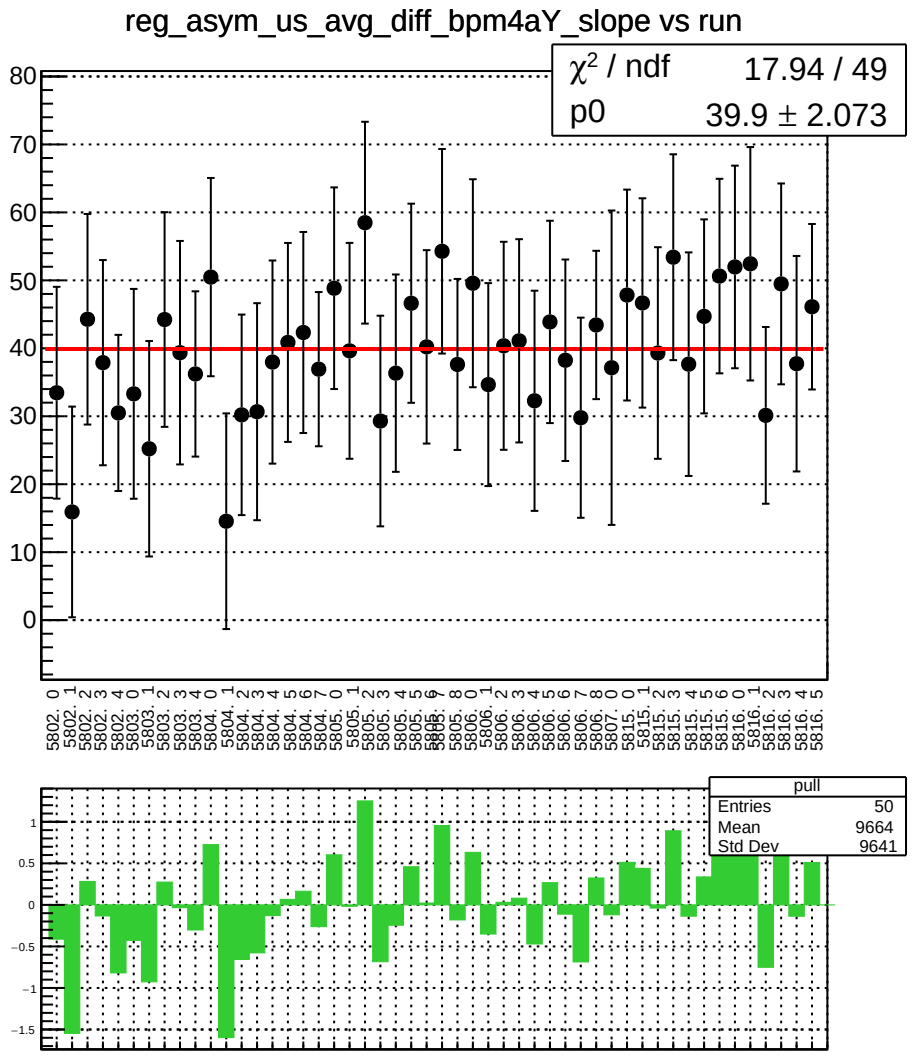

pull1D
Entries 50
Mean −0.0034
Std Dev 1.08

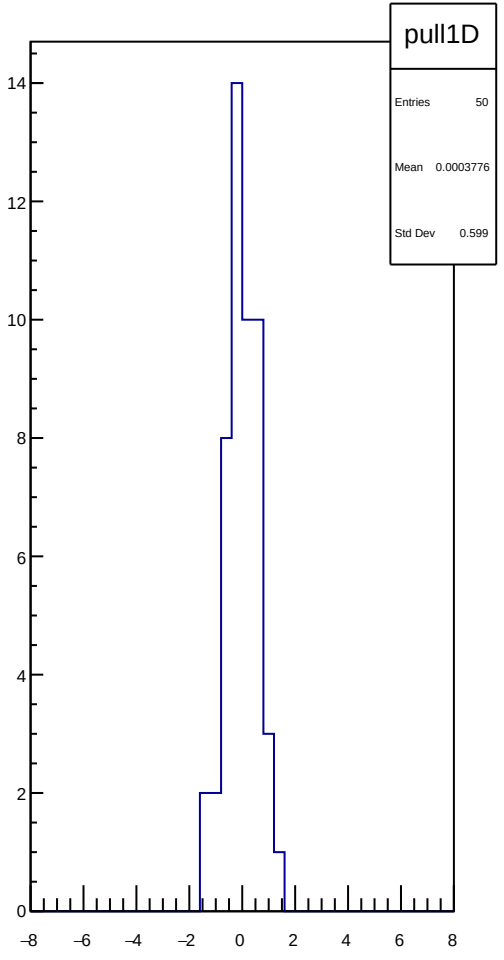

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 62.55 / 49
p0 −0.01849 ± 0.01223
pull
Entries 50
Mean 13.43
Std Dev 21.59

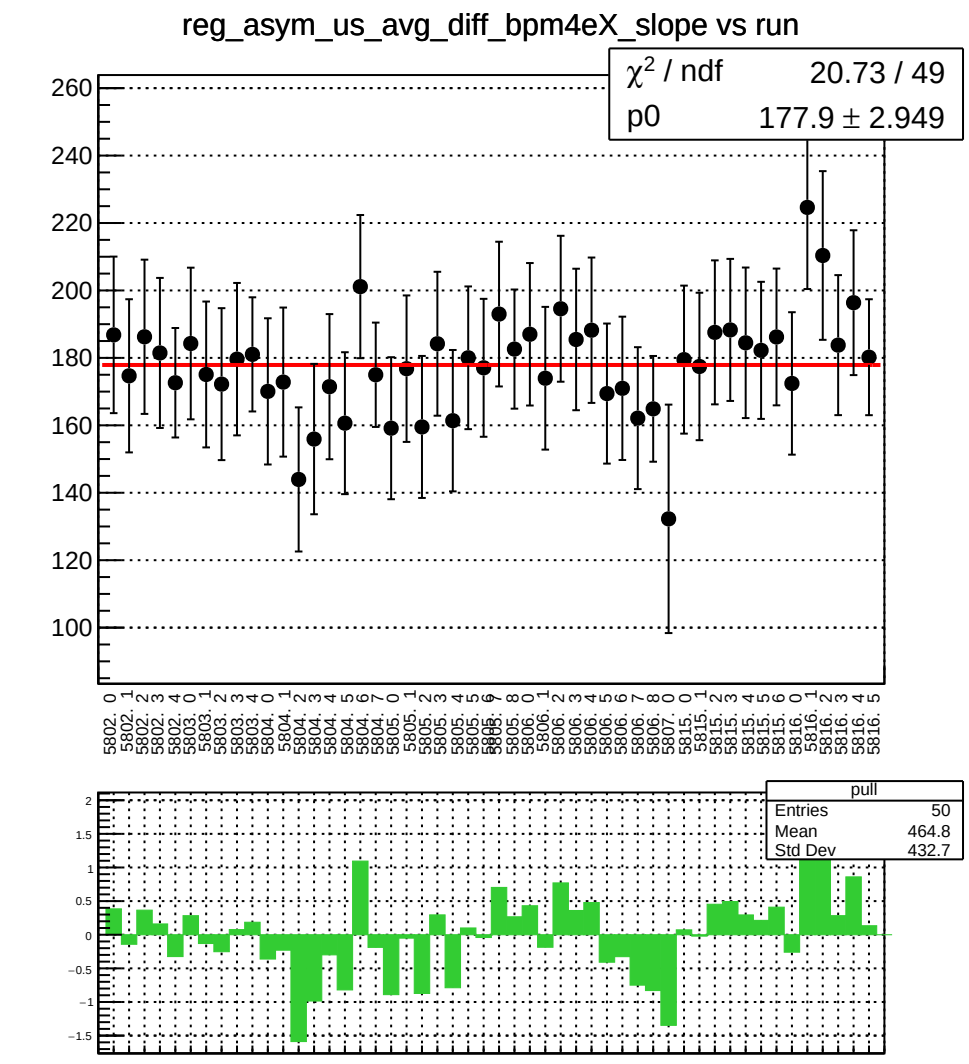

pull1D
Entries 50
Mean 0.02496
Std Dev 1.118

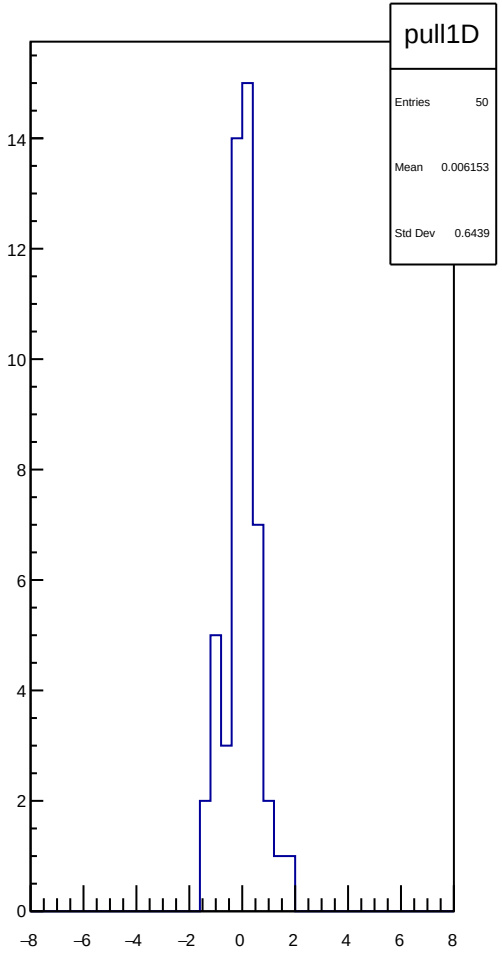

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 20.55 / 49
p0 −122.6 ± 2.316
pull
Entries 50
Mean 478
Std Dev 446.9

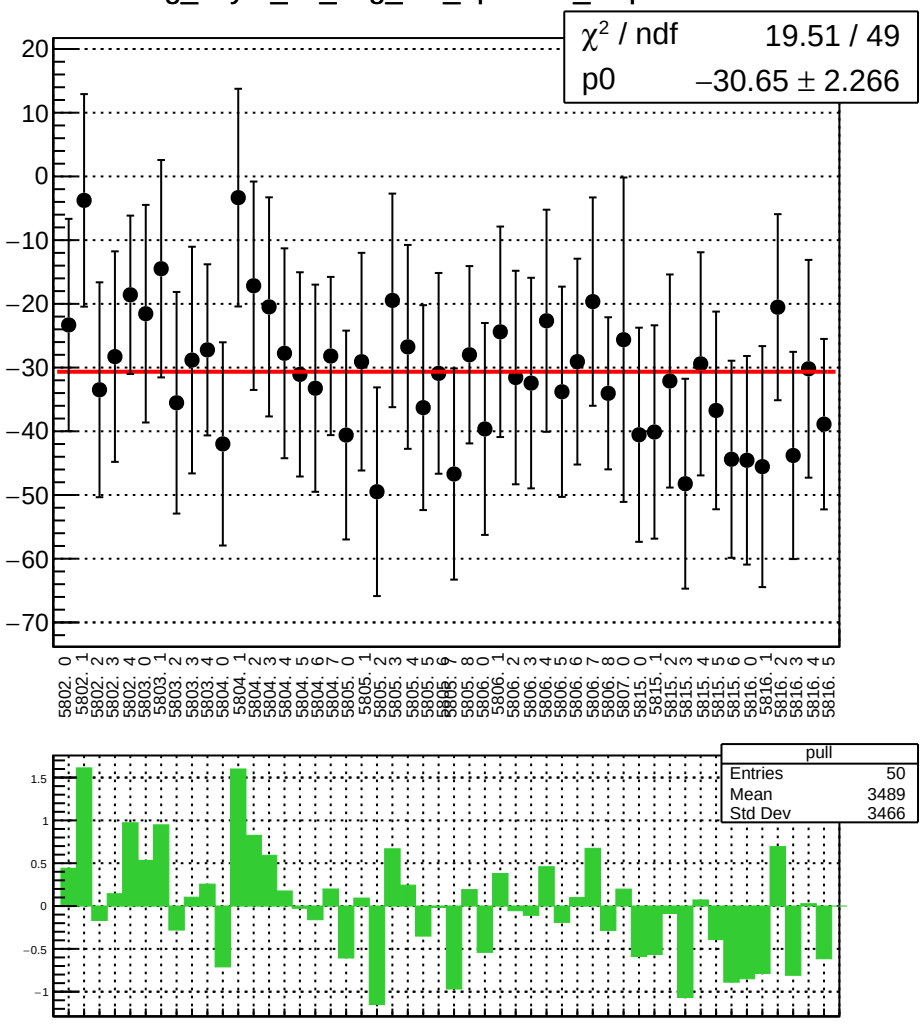

pull1D
Entries 50
Mean −0.006436
Std Dev 0.6411

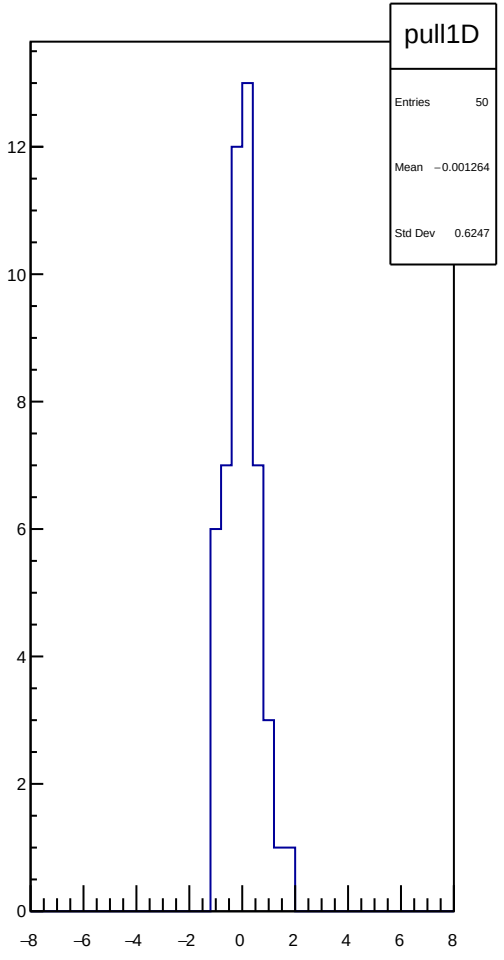

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.94 / 49
p0 39.9 ± 2.073
pull
Entries 50
Mean 9664
Std Dev 9641

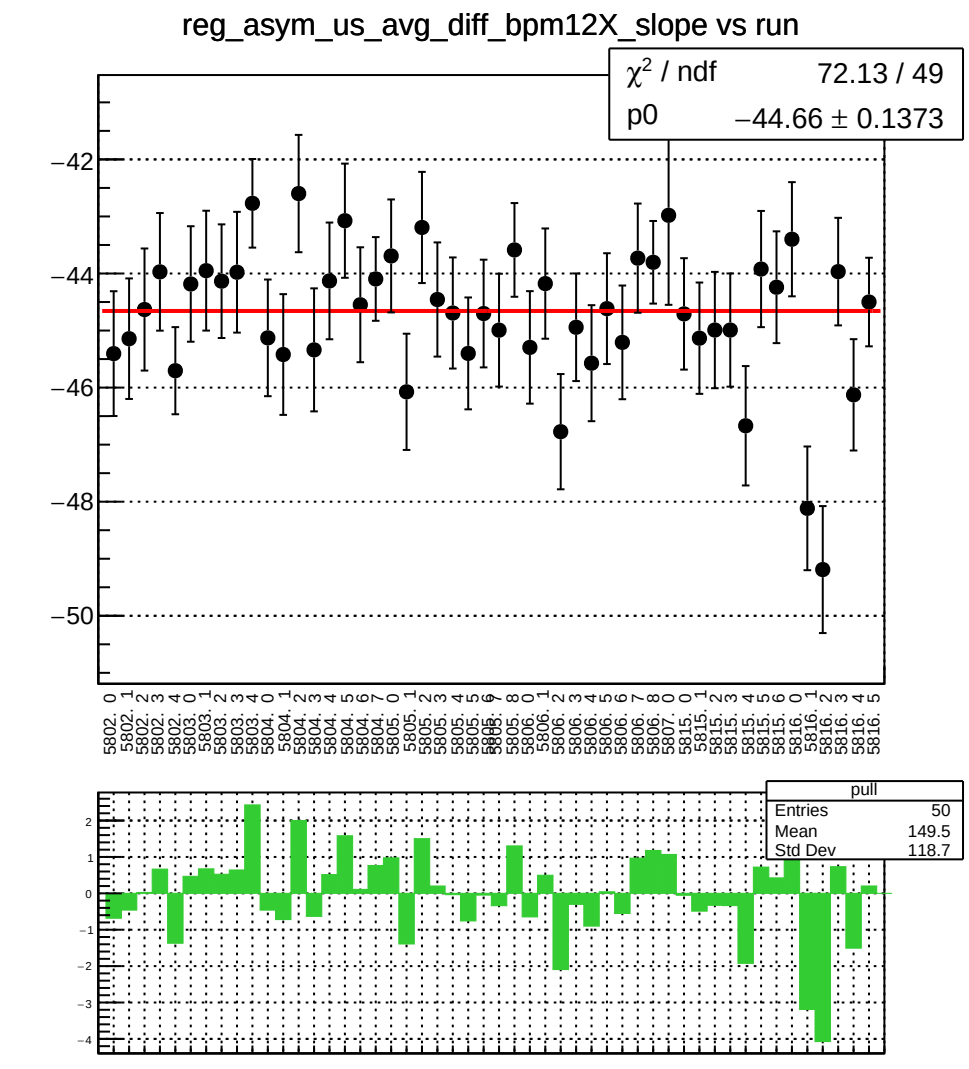

pull1D
Entries 50
Mean 0.0003776
Std Dev 0.599

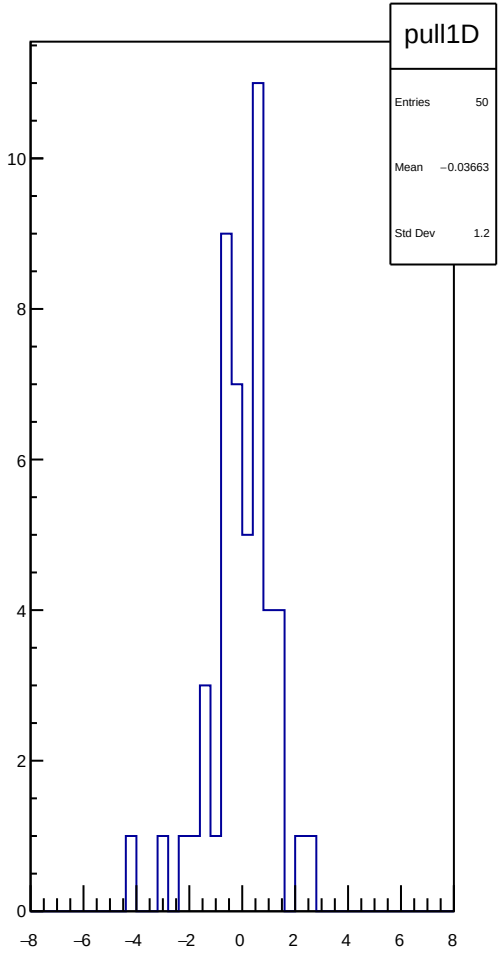

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.73 / 49
p0 177.9 ± 2.949
pull
Entries 50
Mean 464.8
Std Dev 432.7

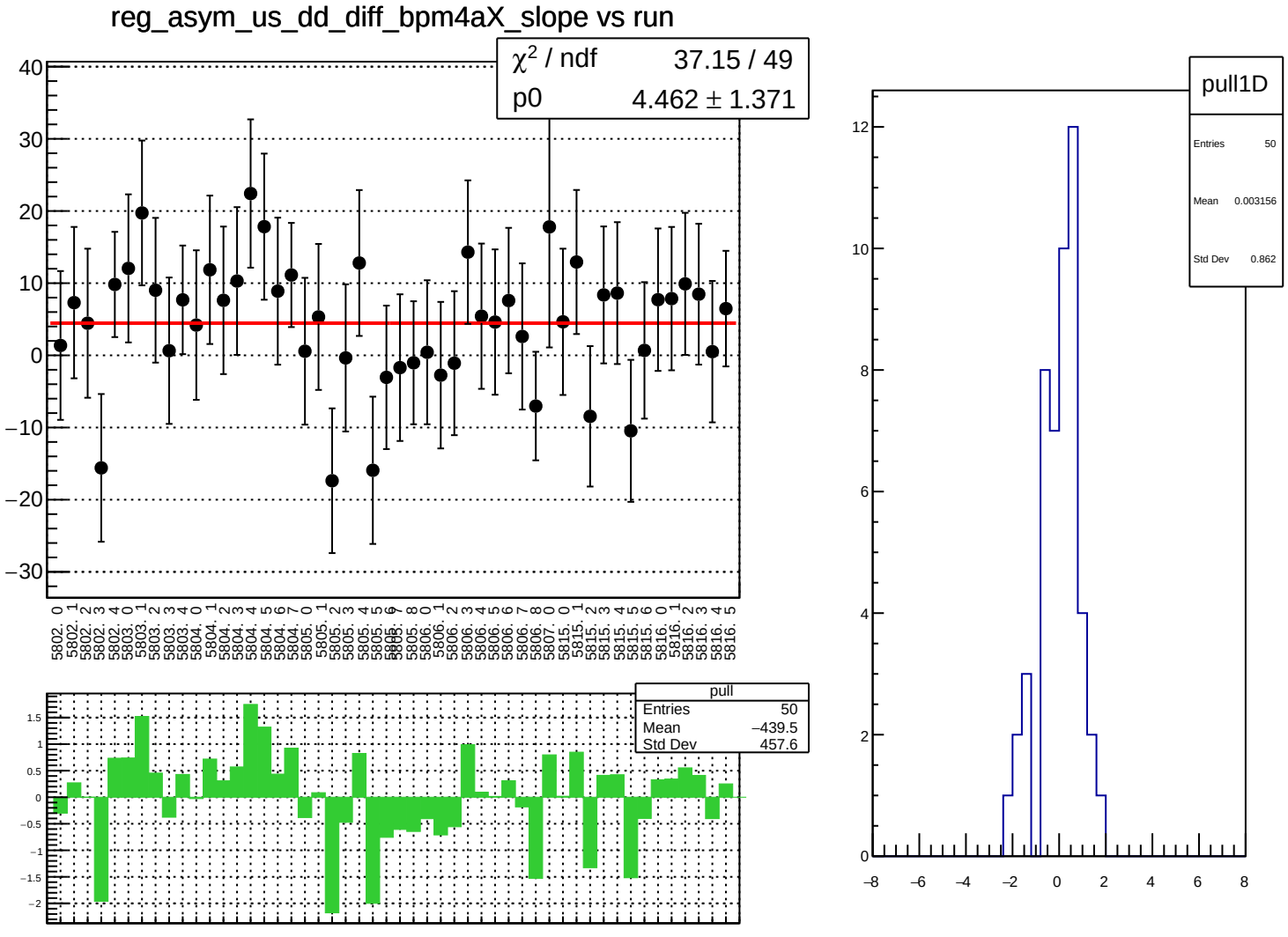

pull1D
Entries 50
Mean 0.006153
Std Dev 0.6439

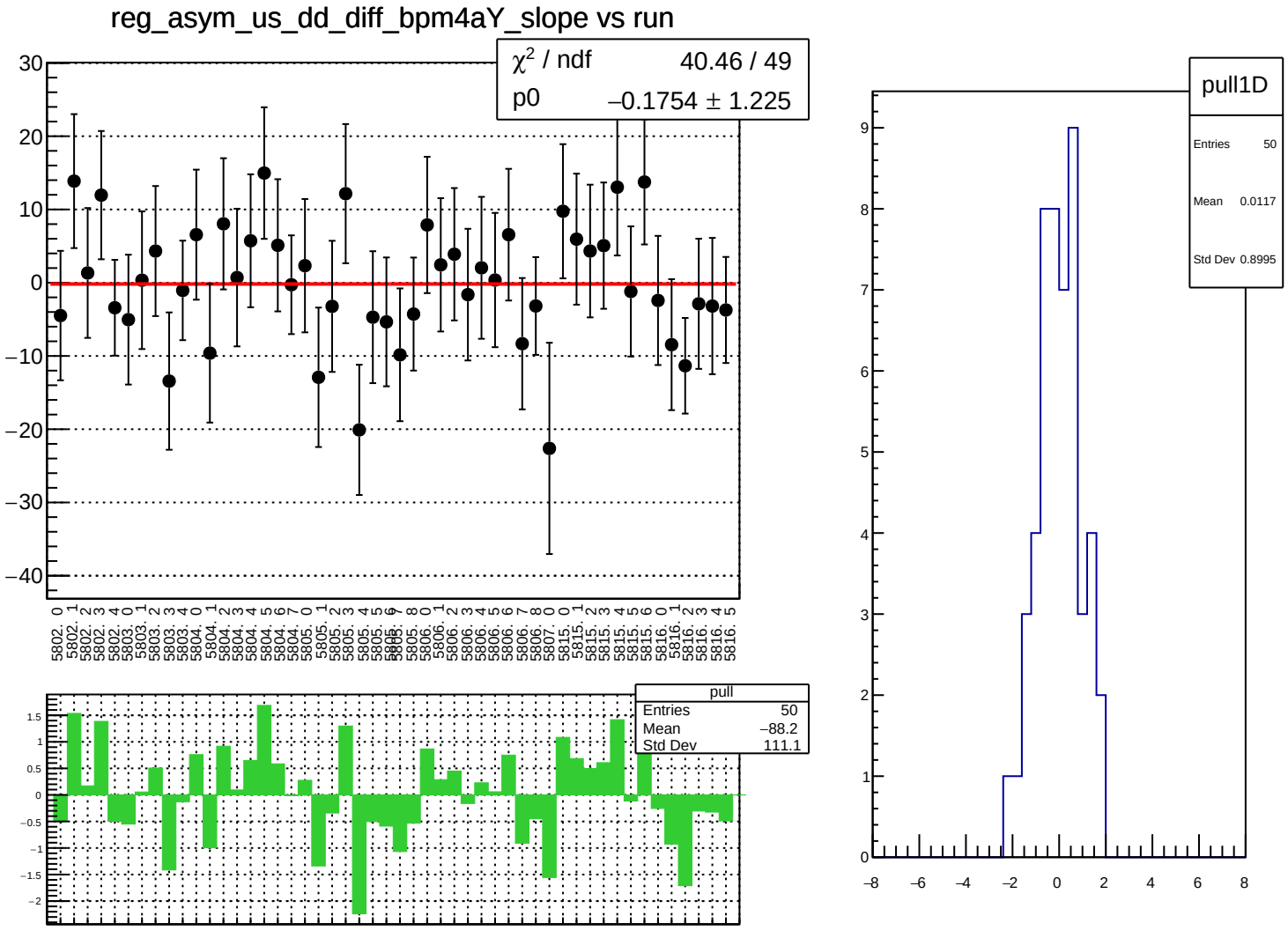

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.51 / 49
p0 −30.65 ± 2.266
pull
Entries 50
Mean 3489
Std Dev 3466

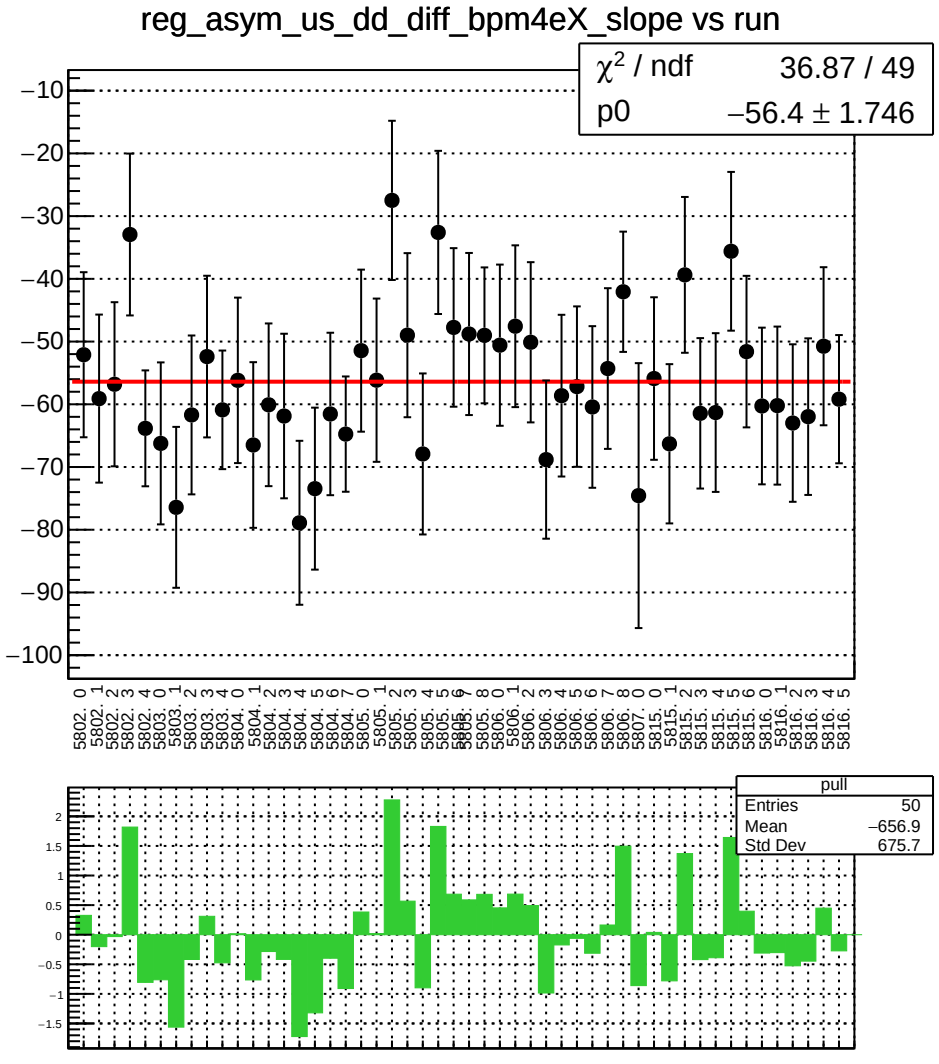

pull1D
Entries 50
Mean −0.001264
Std Dev 0.6247

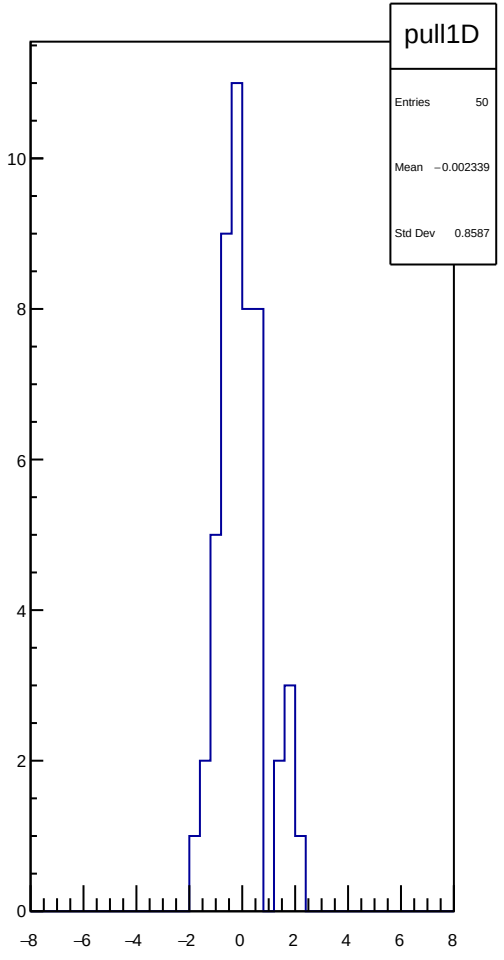

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 72.13 / 49
p0 −44.66 ± 0.1373
−42
−44
−46
−48
−50
pull
Entries 50
Mean 149.5
Std Dev 118.7

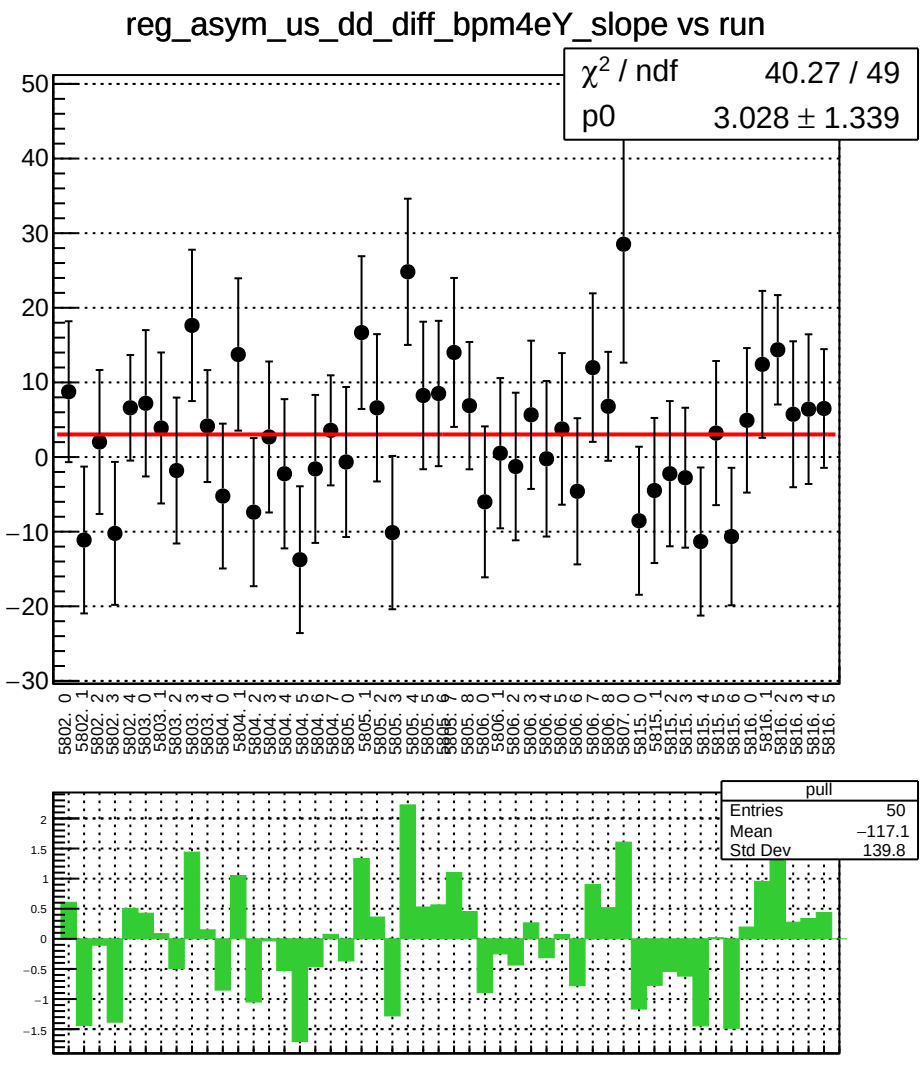

pull1D
Entries 50
Mean −0.03663
Std Dev 1.2

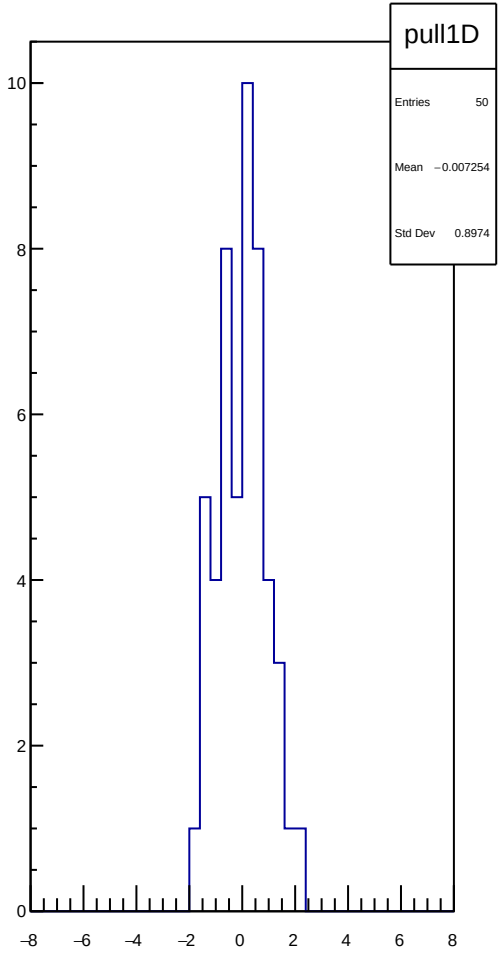

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.15 / 49
p0 4.462 ± 1.371
pull
Entries 50
Mean −439.5
Std Dev 457.6
pull1D
Entries 50
Mean 0.003156
Std Dev 0.862

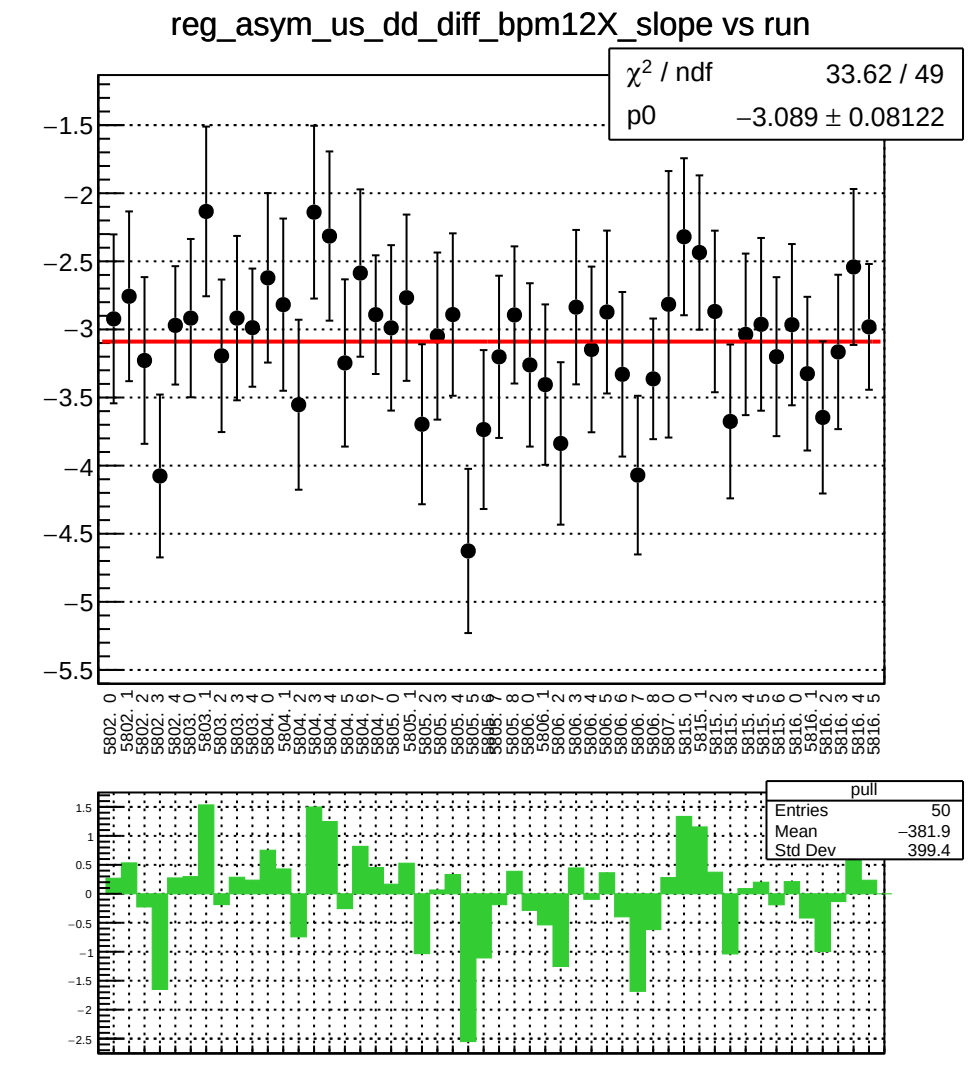

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.46 / 49
p0 −0.1754 ± 1.225
pull
Entries 50
Mean −88.2
Std Dev 111.1
pull1D
Entries 50
Mean 0.0117
Std Dev 0.8995

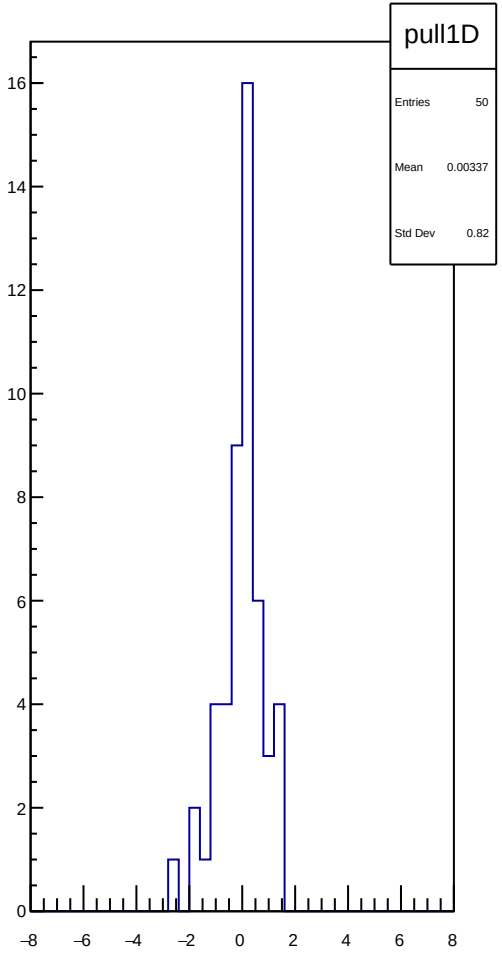

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.87 / 49
p0 −56.4 ± 1.746
pull
Entries 50
Mean −656.9
Std Dev 675.7

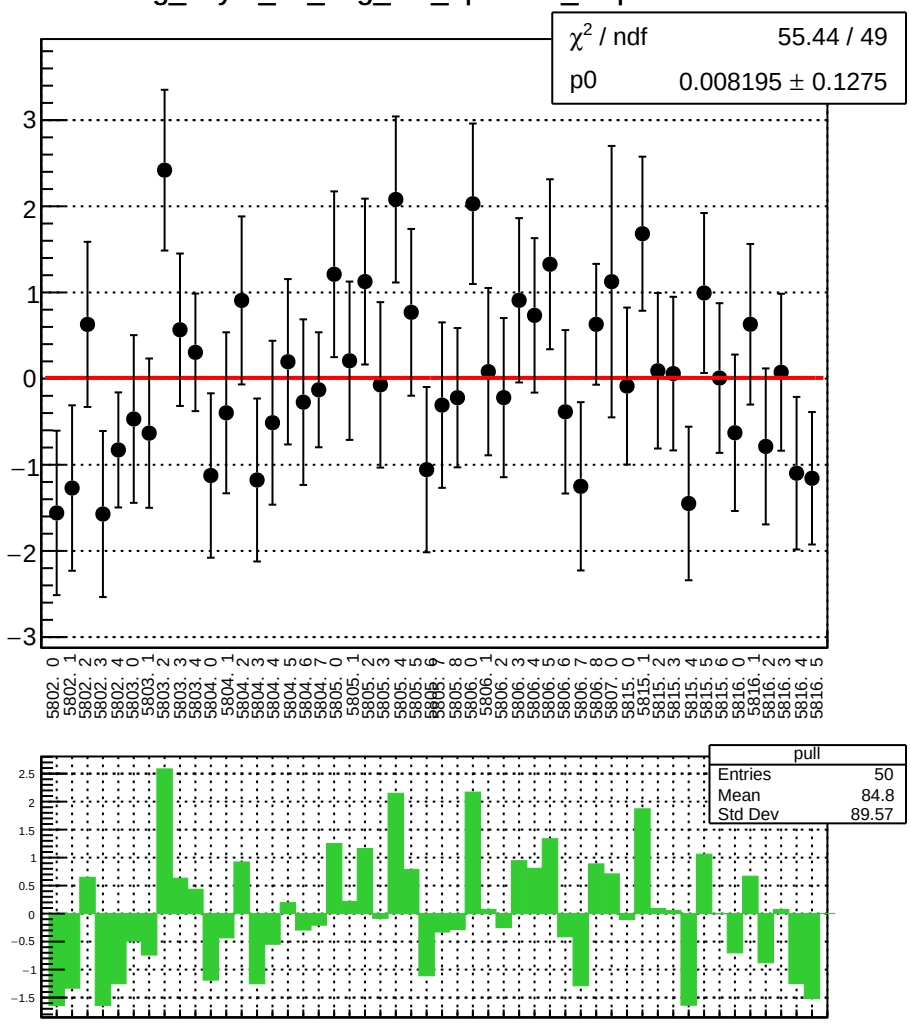

pull1D
Entries 50
Mean −0.002339
Std Dev 0.8587

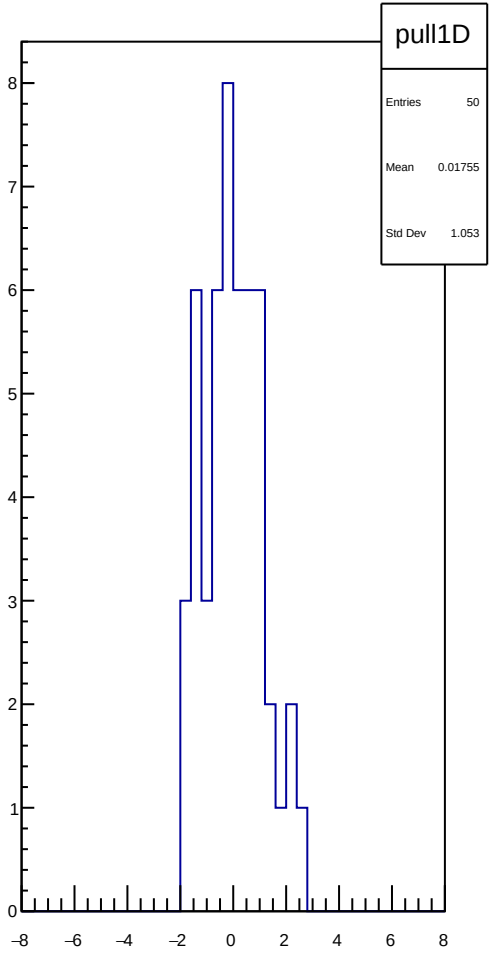

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.27 / 49
p0 3.028 ± 1.339
pull
Entries 50
Mean −117.1
Std Dev 139.8

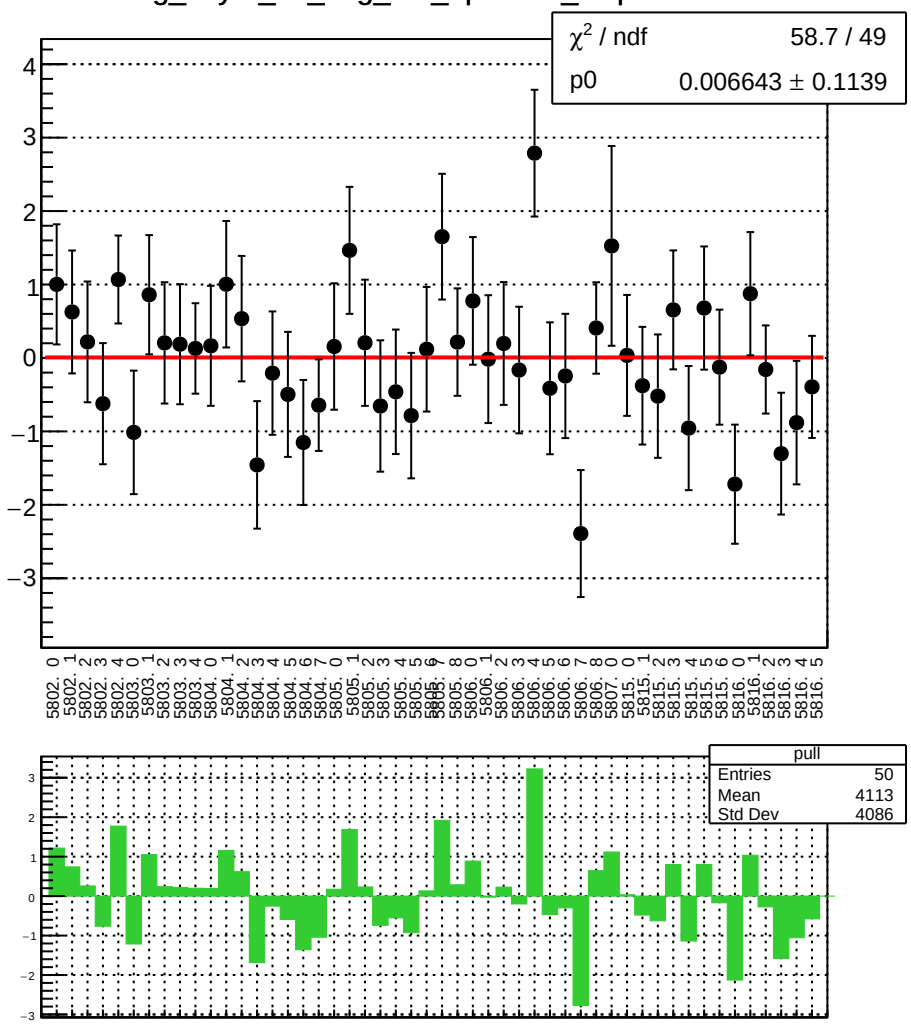

pull1D
Entries 50
Mean −0.007254
Std Dev 0.8974

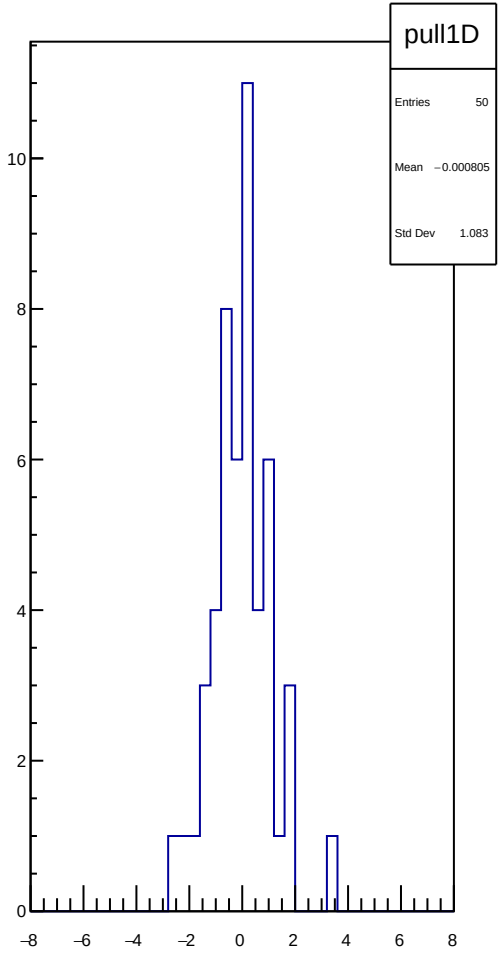

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 33.62 / 49
p0 −3.089 ± 0.08122
pull
Entries 50
Mean −381.9
Std Dev 399.4

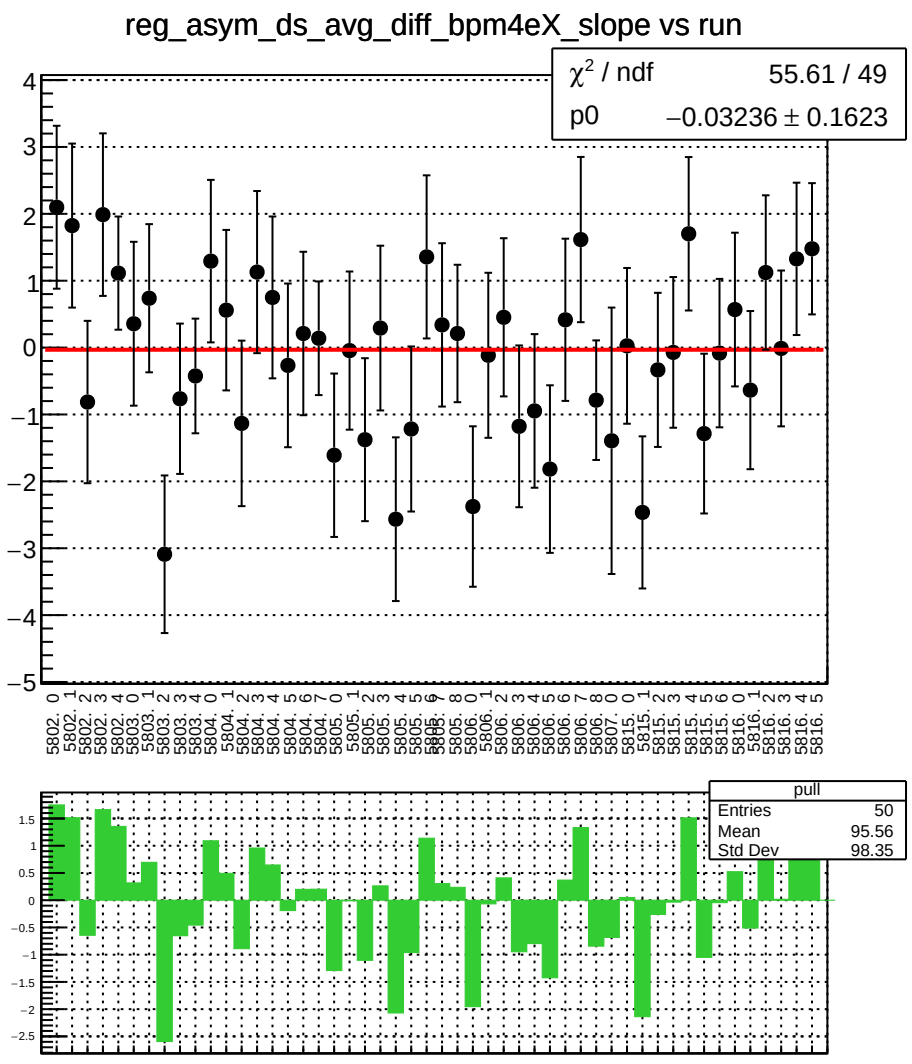

pull1D
Entries 50
Mean 0.00337
Std Dev 0.82

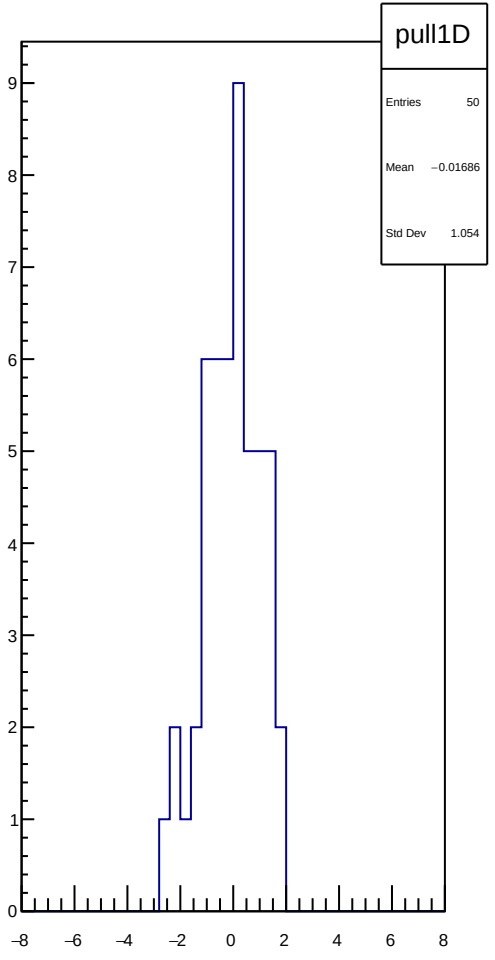

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 55.44 / 49
p0 0.008195 ± 0.1275
pull
Entries 50
Mean 84.8
Std Dev 89.57

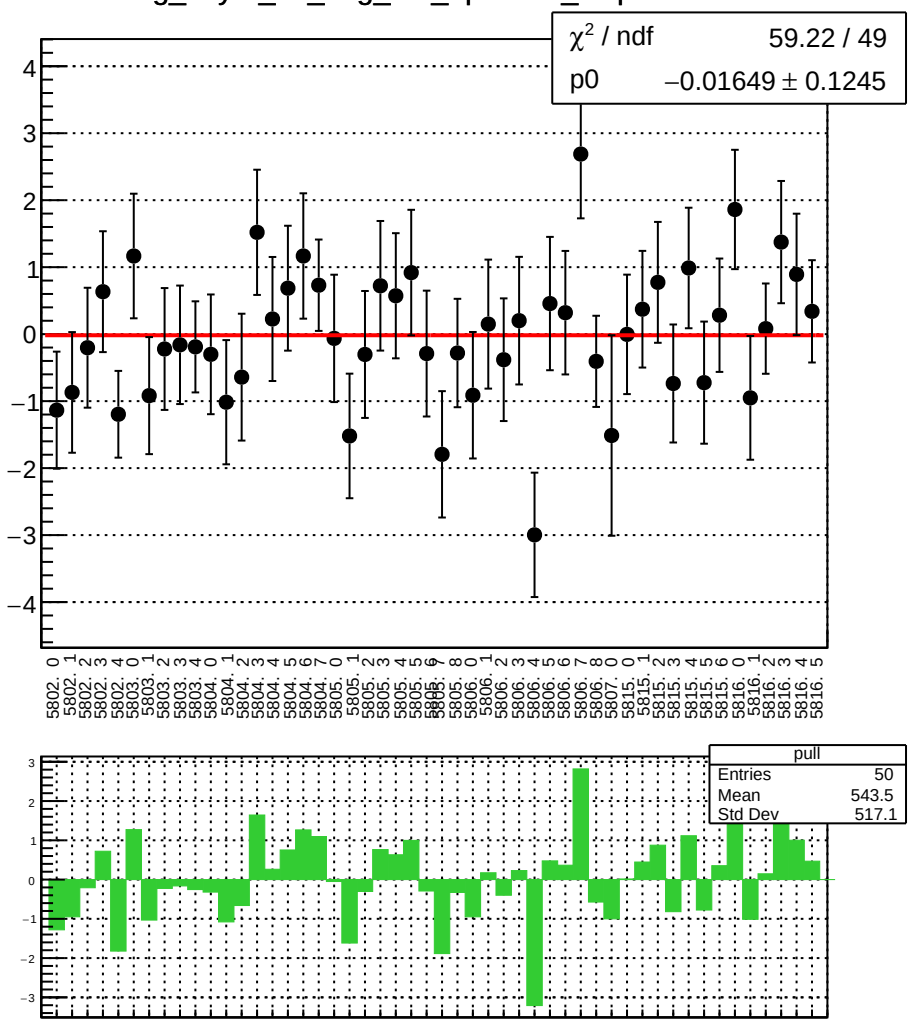

pull1D
Entries 50
Mean 0.01755
Std Dev 1.053

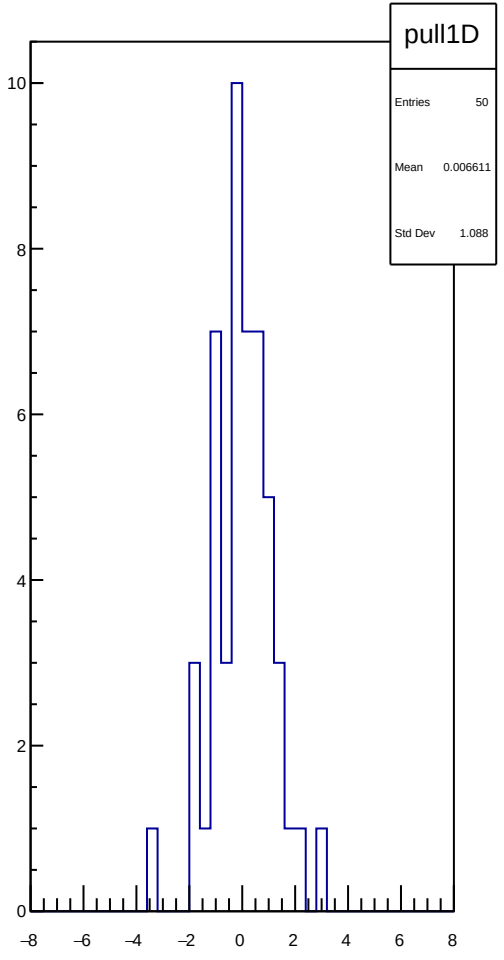

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.7 / 49
p0 0.006643 ± 0.1139
pull
Entries 50
Mean 4113
Std Dev 4086

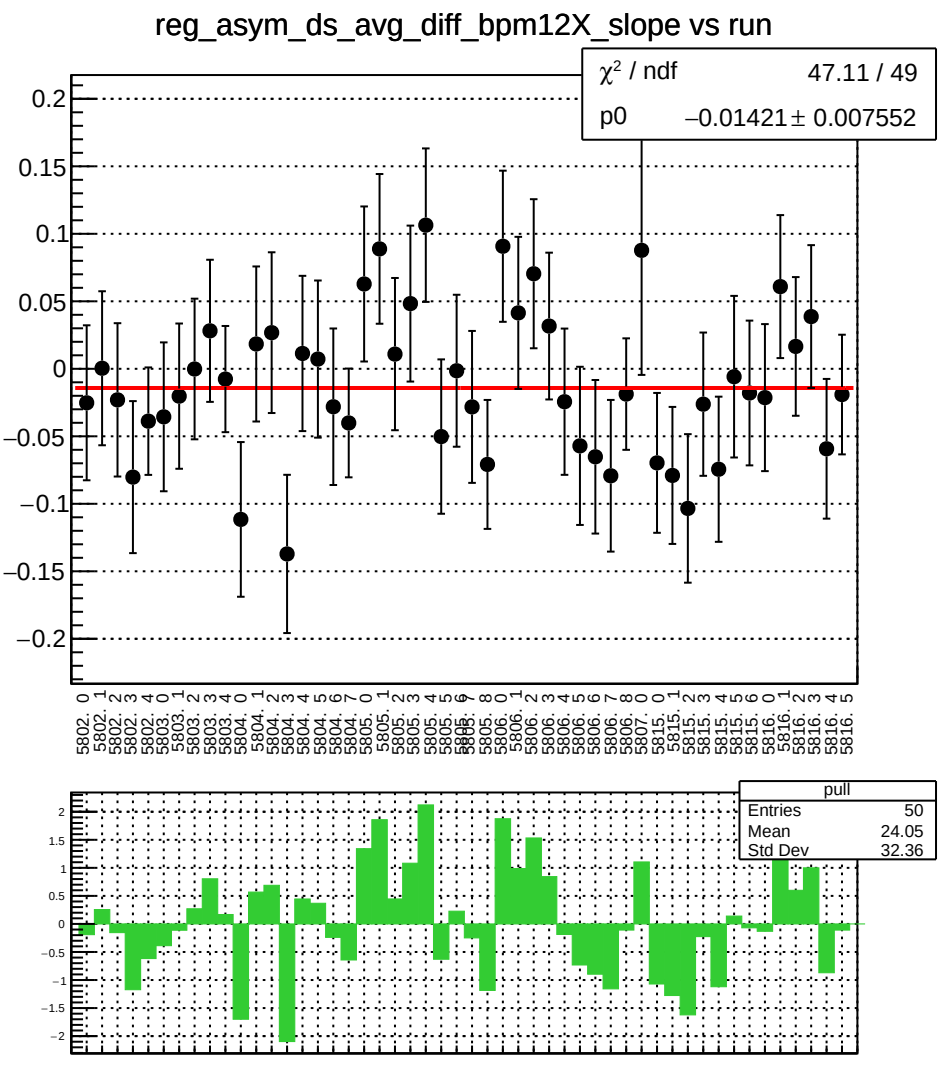

pull1D
Entries 50
Mean −0.000805
Std Dev 1.083

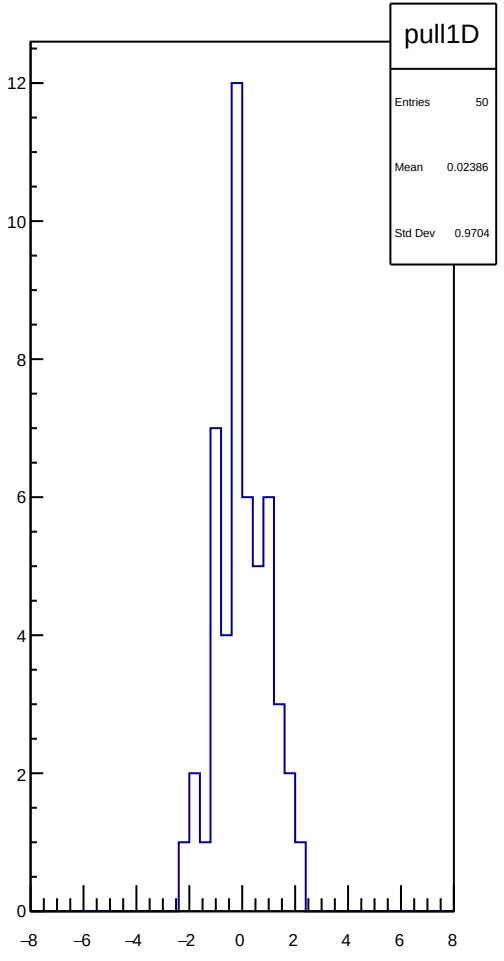

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.61 / 49
p0 −0.03236 ± 0.1623
pull
Entries 50
Mean 95.56
Std Dev 98.35

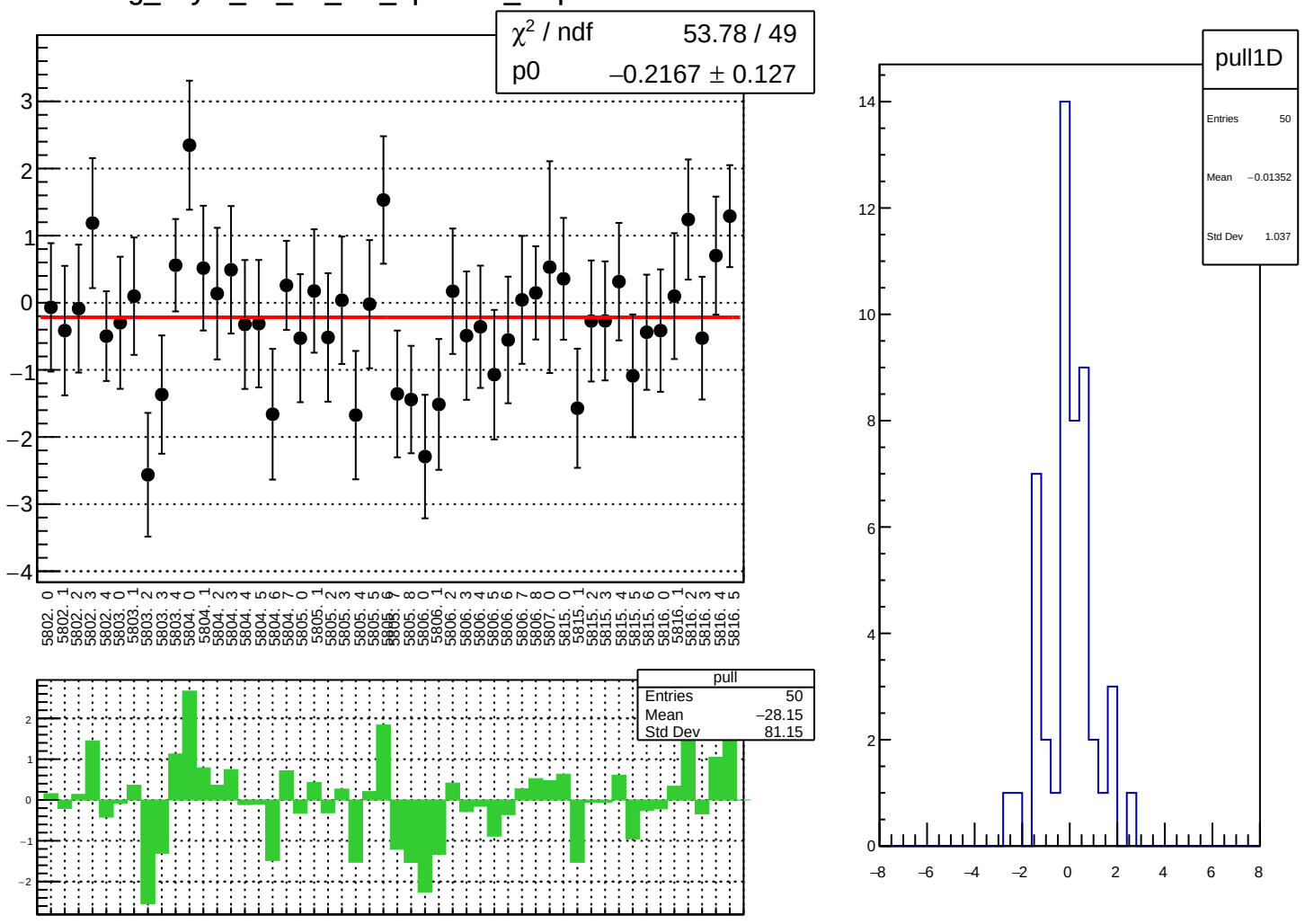

pull1D
Entries 50
Mean −0.01686
Std Dev 1.054

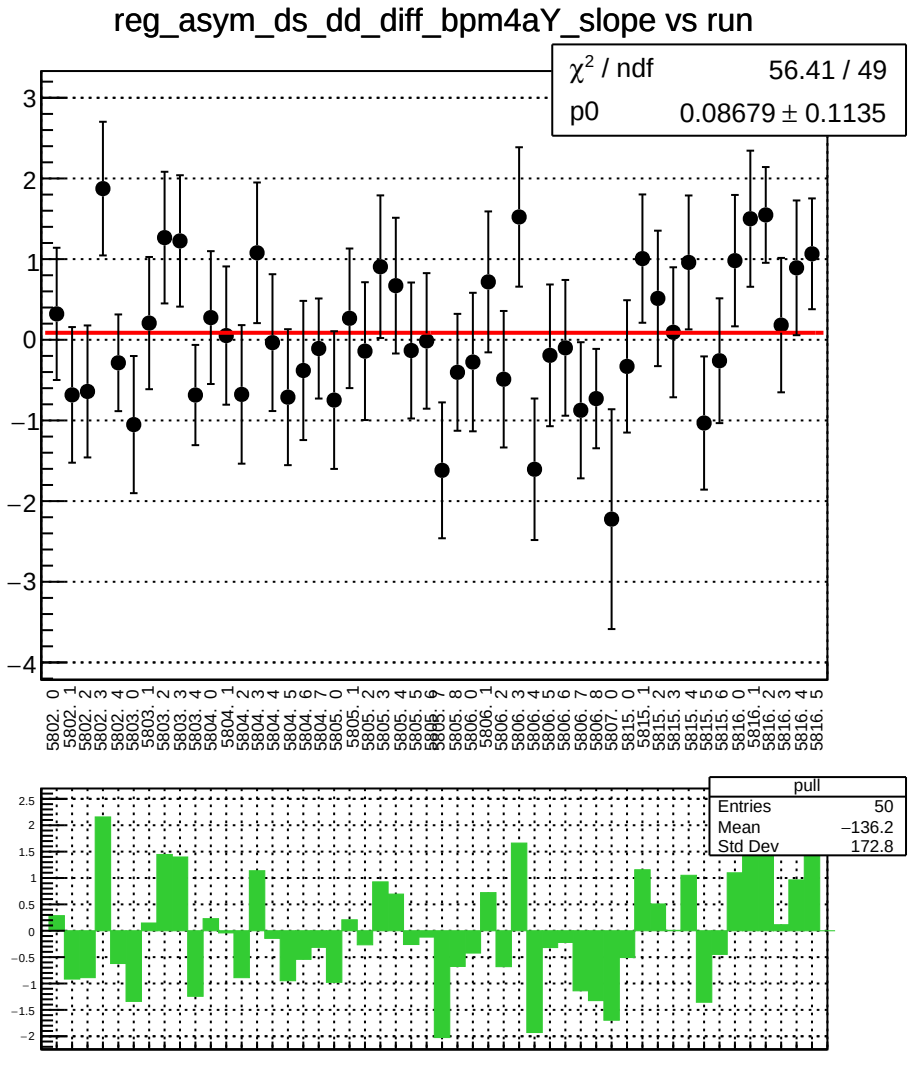

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.22 / 49
p0 −0.01649 ± 0.1245
pull
Entries 50
Mean 543.5
Std Dev 517.1

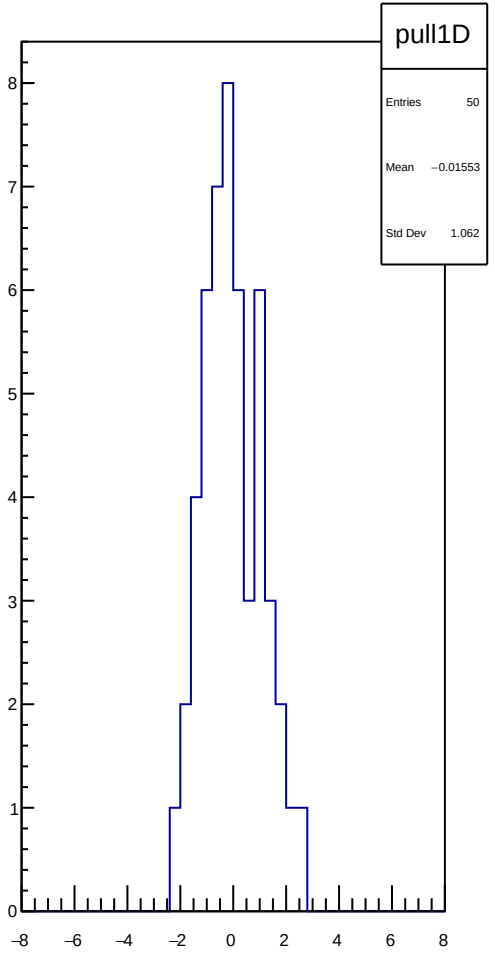

pull1D
Entries 50
Mean 0.006611
Std Dev 1.088

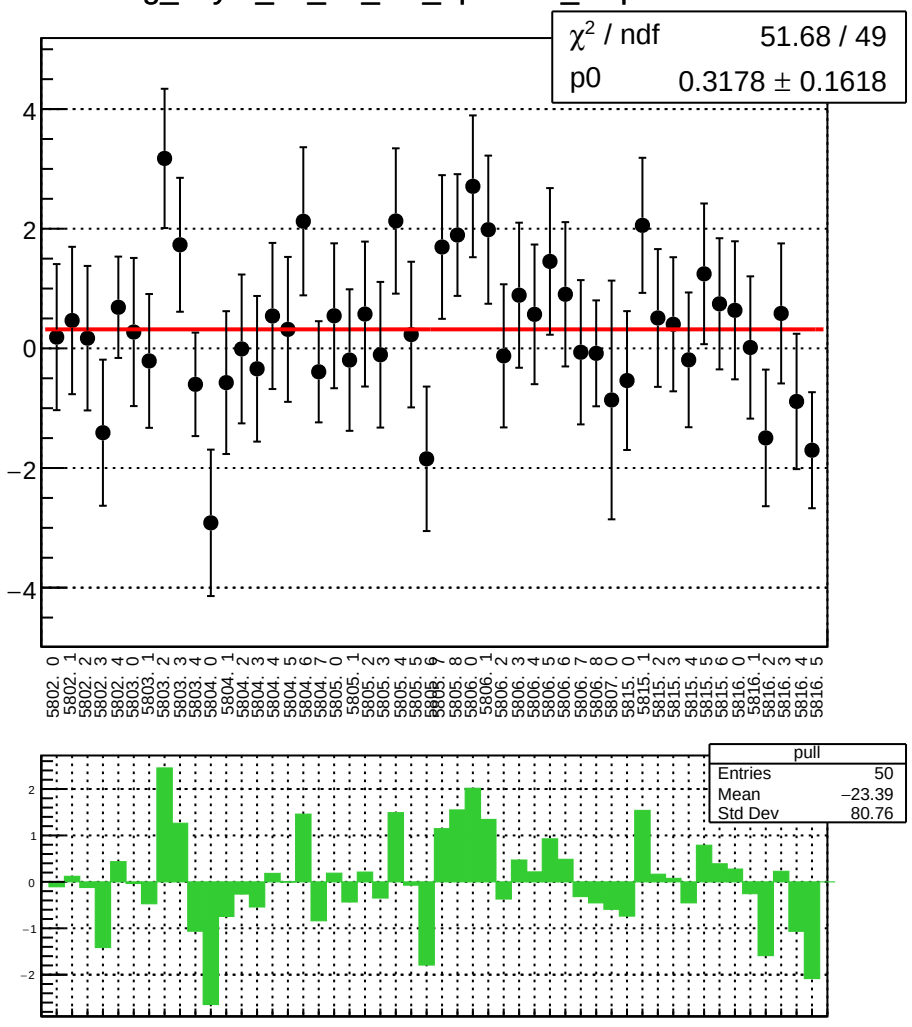

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 47.11 / 49
p0 −0.01421 ± 0.007552
pull
Entries 50
Mean 24.05
Std Dev 32.36

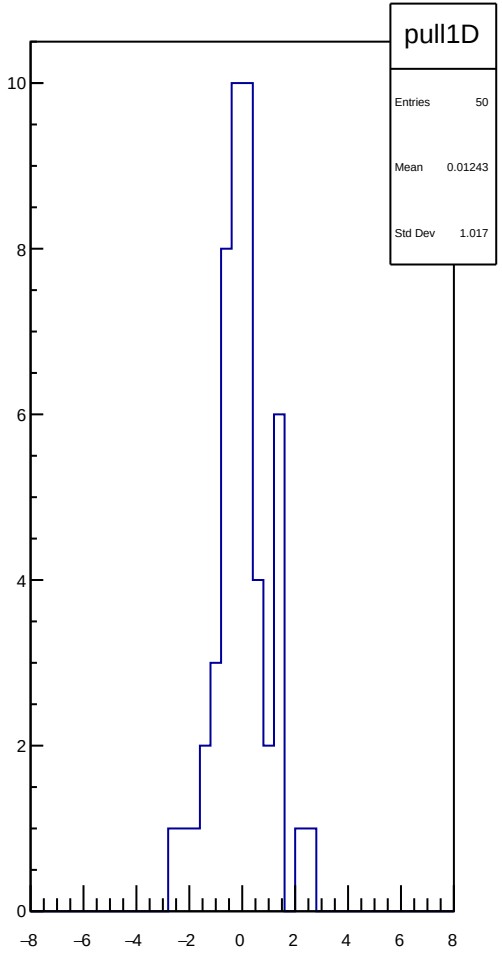

pull1D
Entries 50
Mean 0.02386
Std Dev 0.9704

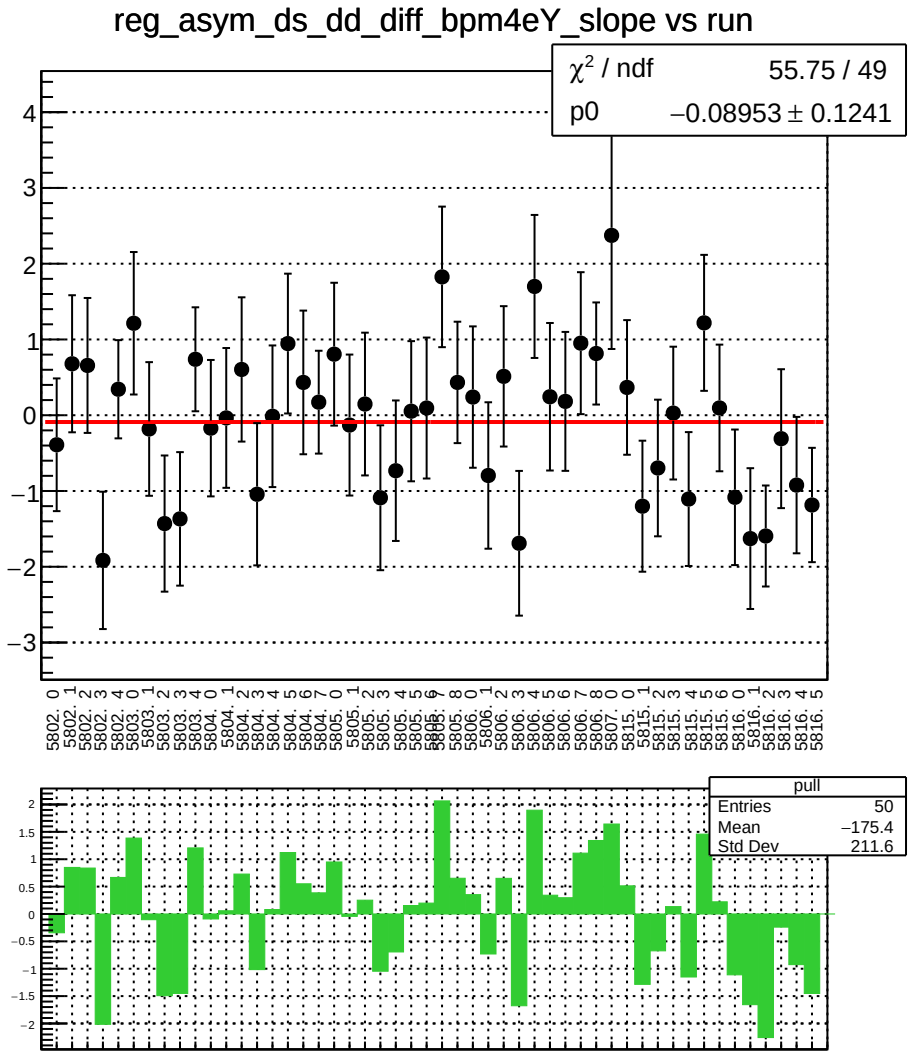

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 53.78 / 49
p0 −0.2167 ± 0.127
pull
Entries 50
Mean −28.15
Std Dev 81.15
pull1D
Entries 50
Mean −0.01352
Std Dev 1.037

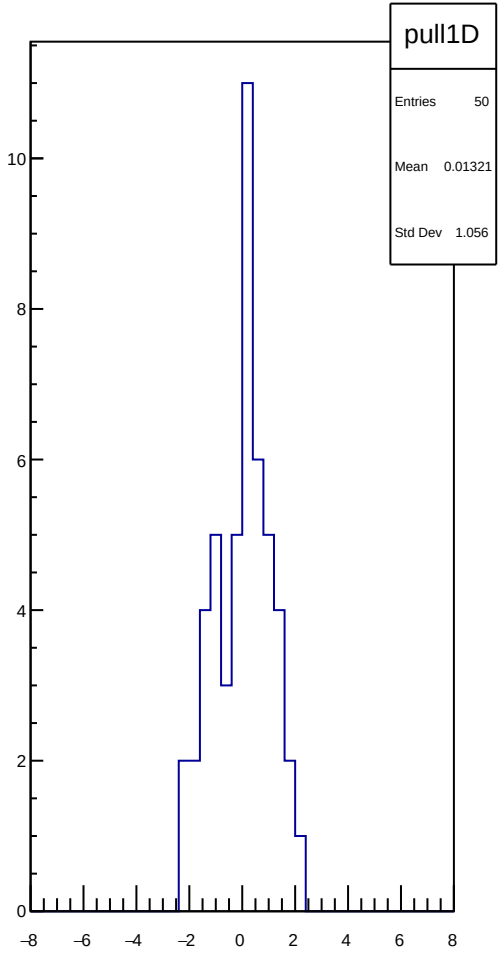

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.41 / 49
p0 0.08679 ± 0.1135
pull
Entries 50
Mean −136.2
Std Dev 172.8

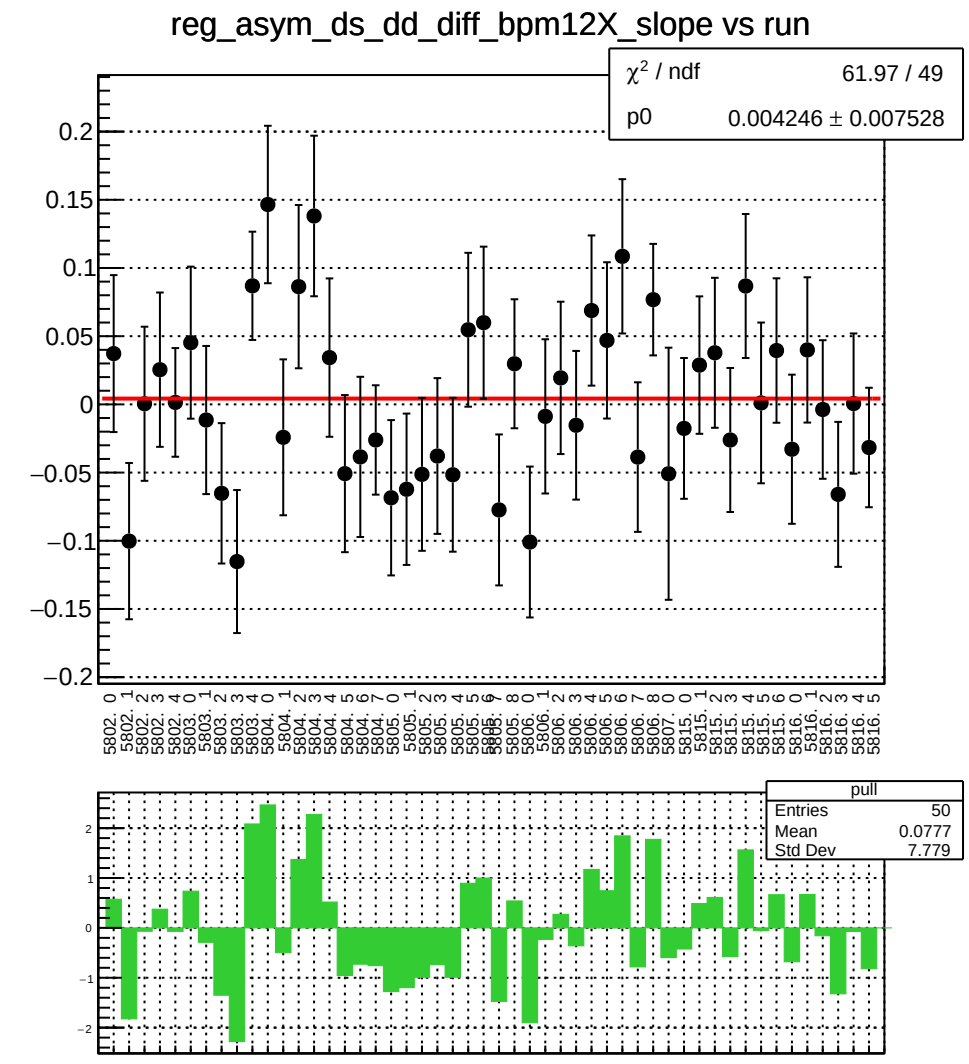

pull1D
Entries 50
Mean −0.01553
Std Dev 1.062

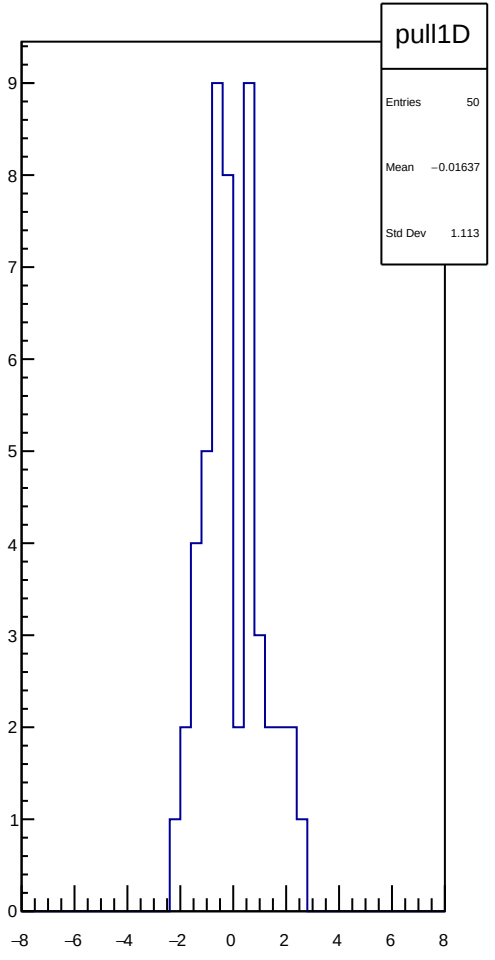

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.68 / 49
p0 0.3178 ± 0.1618
pull
Entries 50
Mean −23.39
Std Dev 80.76

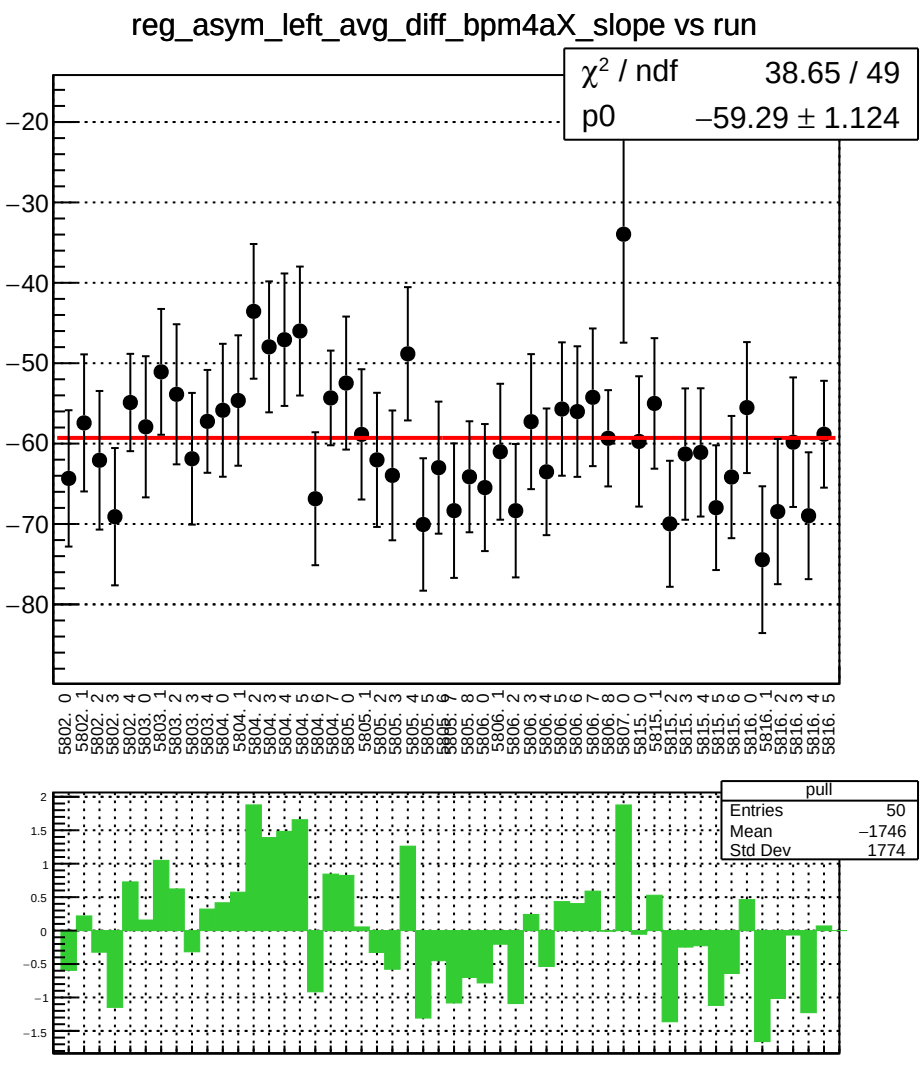

pull1D
Entries 50
Mean 0.01243
Std Dev 1.017

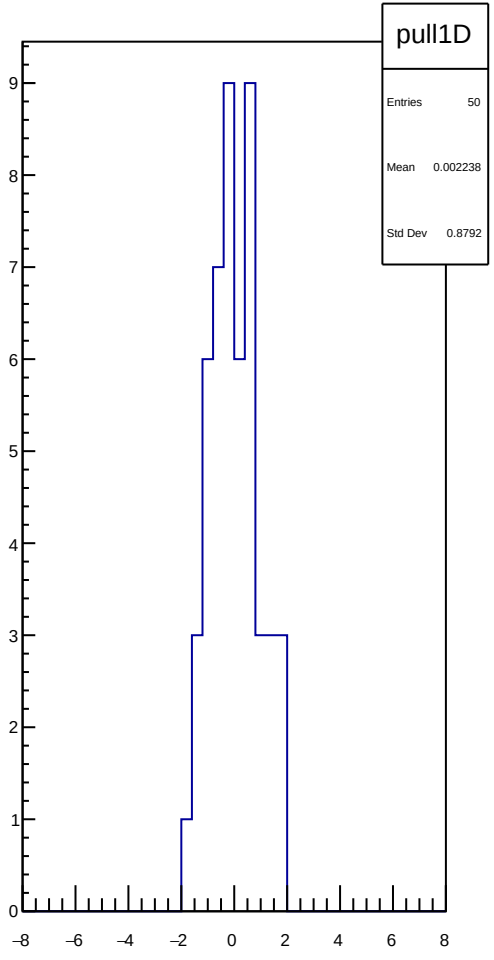

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.75 / 49
p0 −0.08953 ± 0.1241
pull
Entries 50
Mean −175.4
Std Dev 211.6

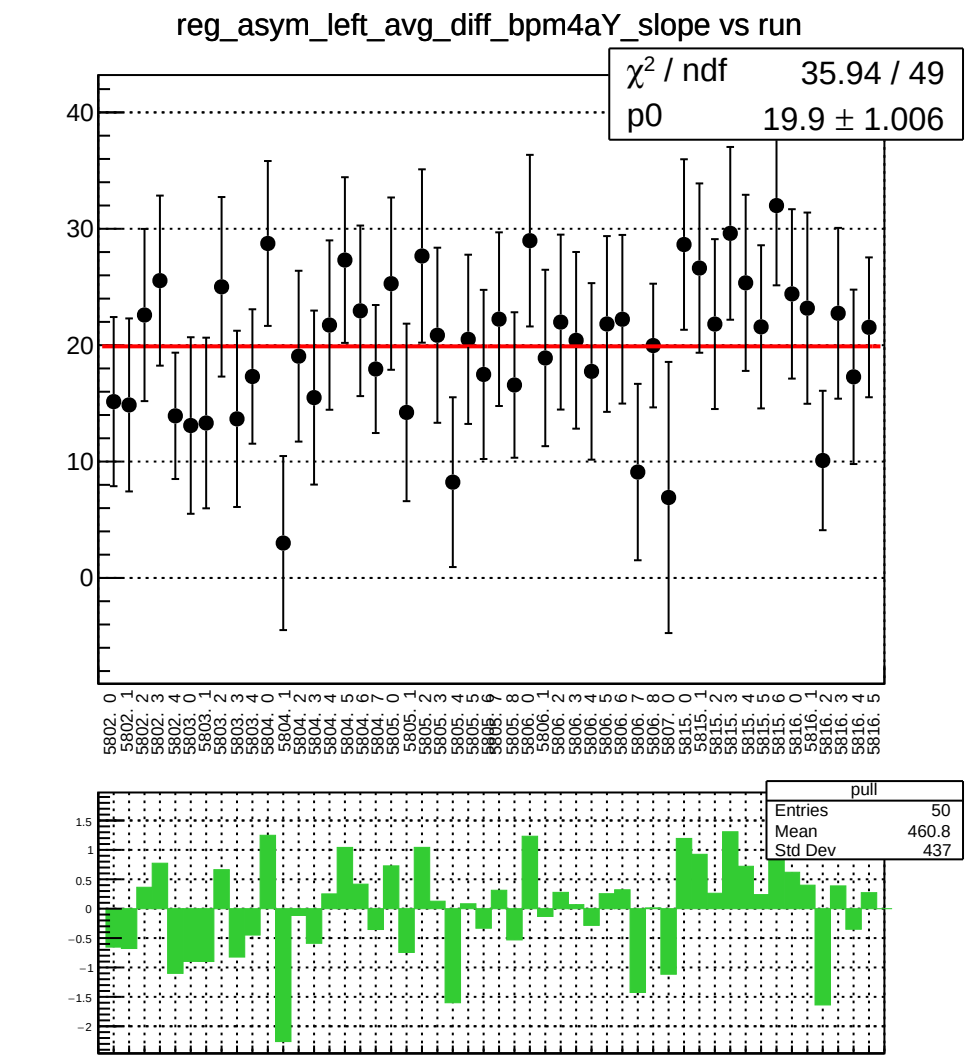

pull1D
Entries 50
Mean 0.01321
Std Dev 1.056

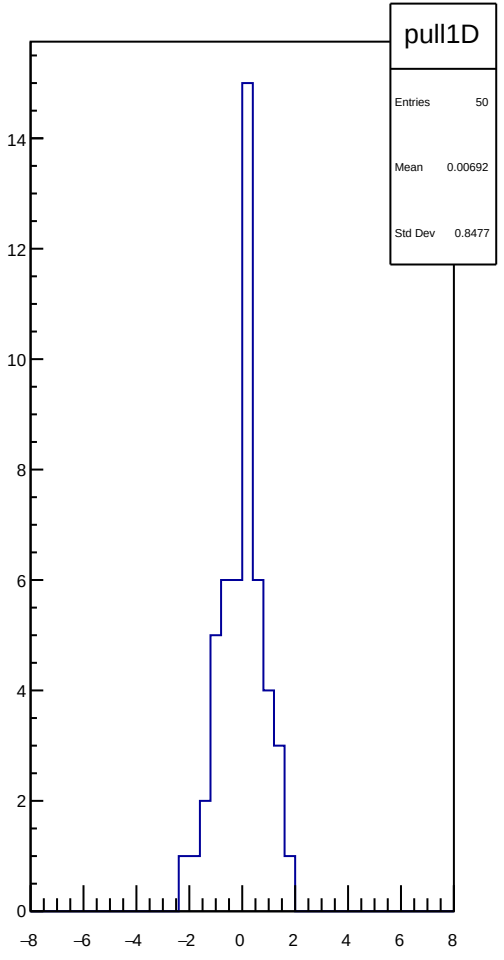

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 61.97 / 49
p0 0.004246 ± 0.007528
pull
Entries 50
Mean 0.0777
Std Dev 7.779

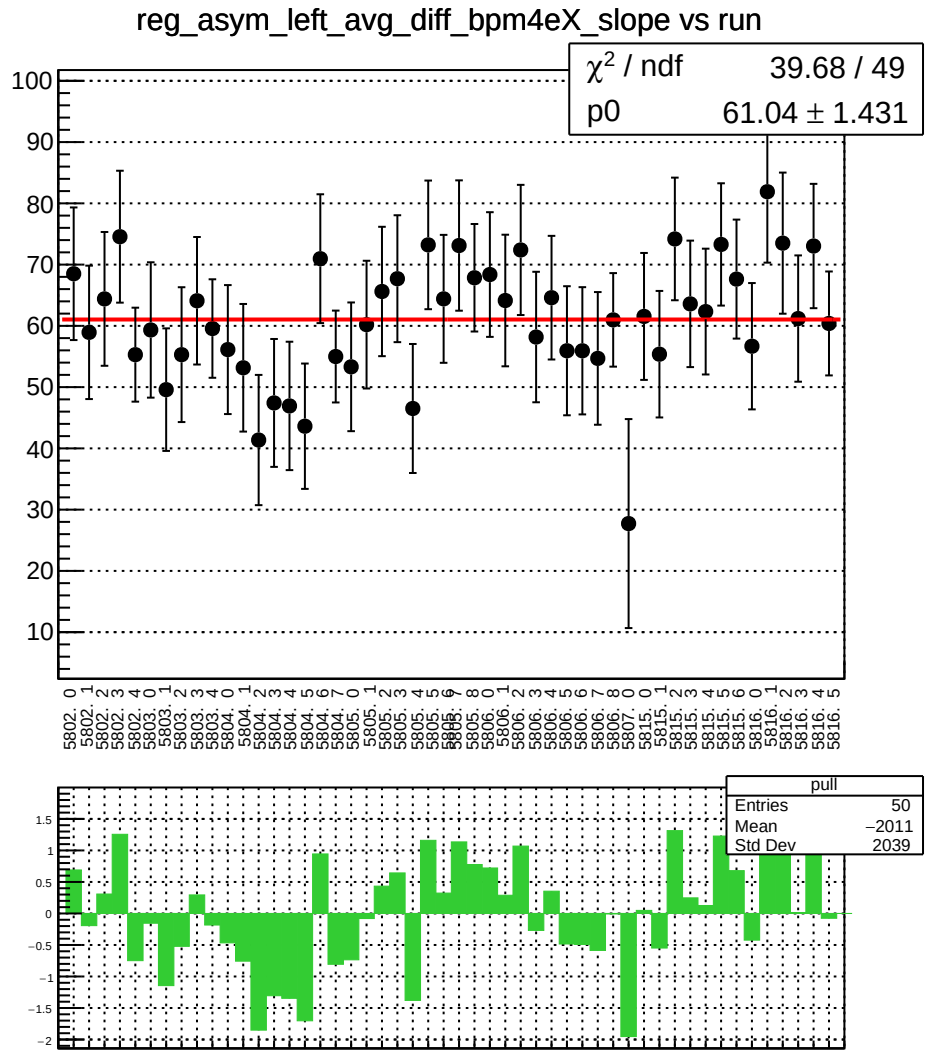

pull1D
Entries 50
Mean −0.01637
Std Dev 1.113

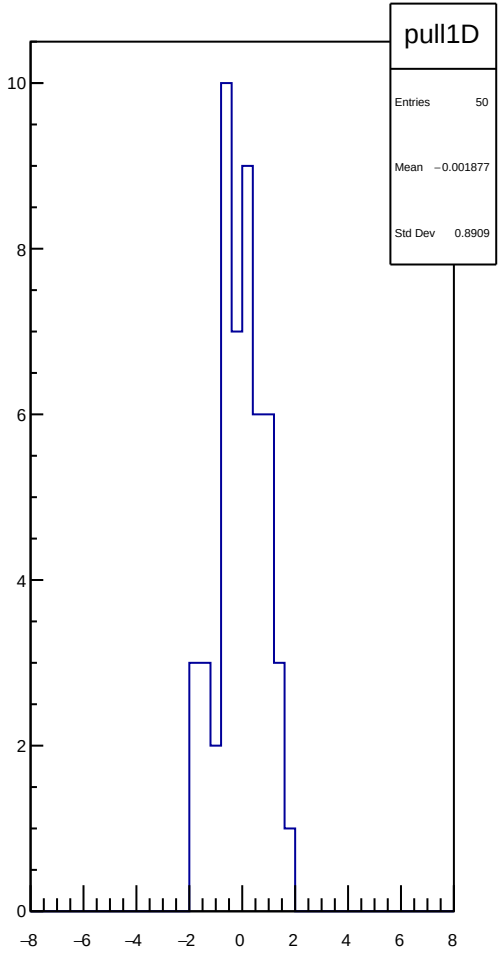

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 38.65 / 49
p0 −59.29 ± 1.124
pull
Entries 50
Mean −1746
Std Dev 1774

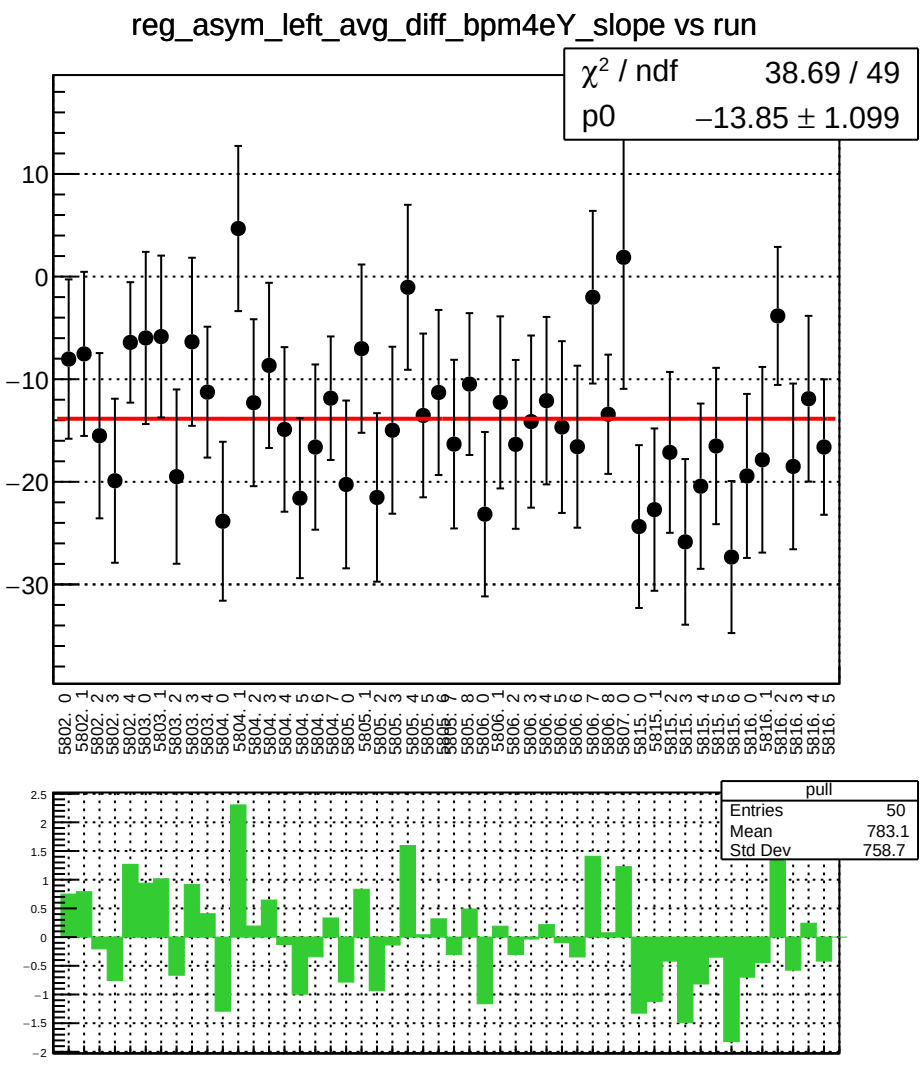

pull1D
Entries 50
Mean 0.002238
Std Dev 0.8792

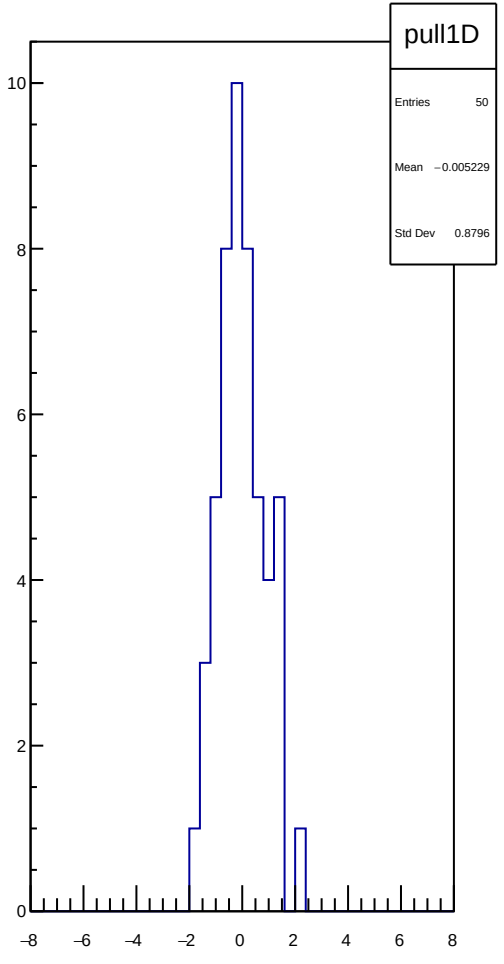

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.94 / 49
p0 19.9 ± 1.006
pull
Entries 50
Mean 460.8
Std Dev 437

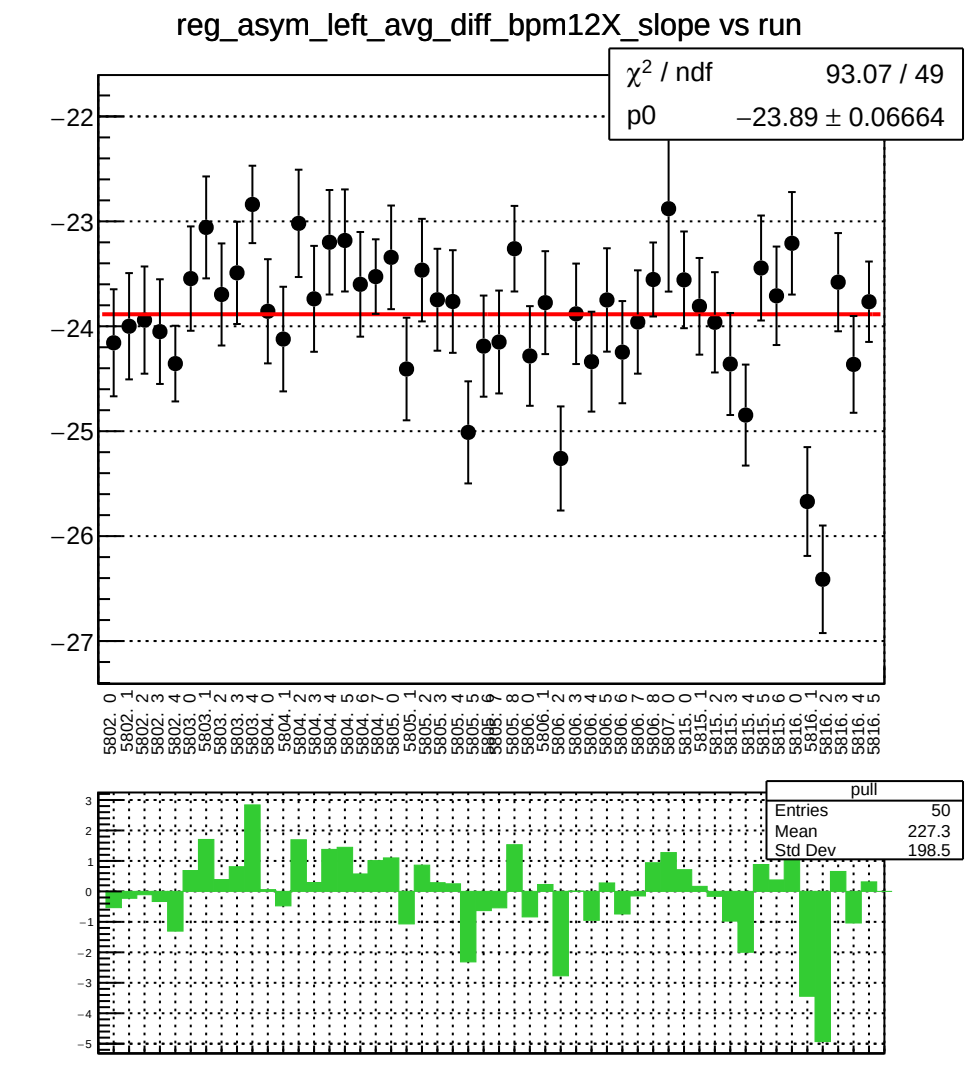

pull1D
Entries 50
Mean 0.00692
Std Dev 0.8477

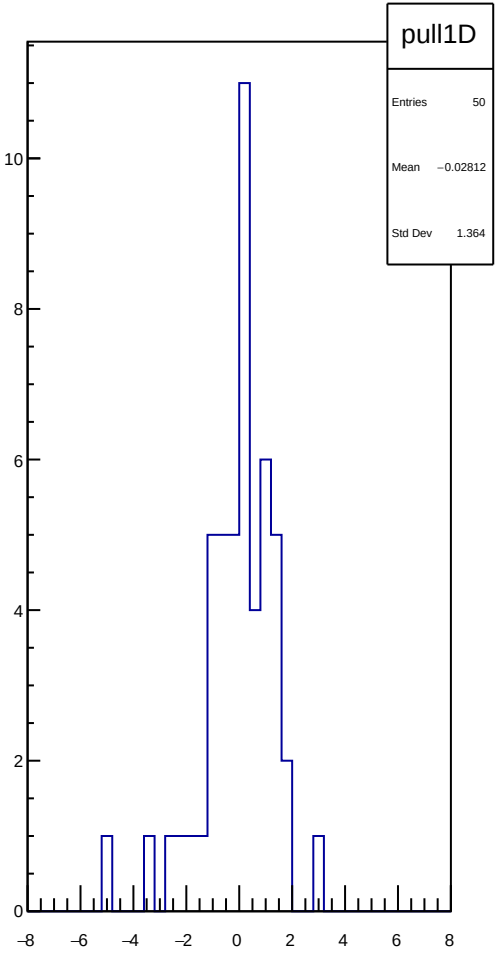

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.68 / 49
p0 61.04 ± 1.431
pull
Entries 50
Mean −2011
Std Dev 2039

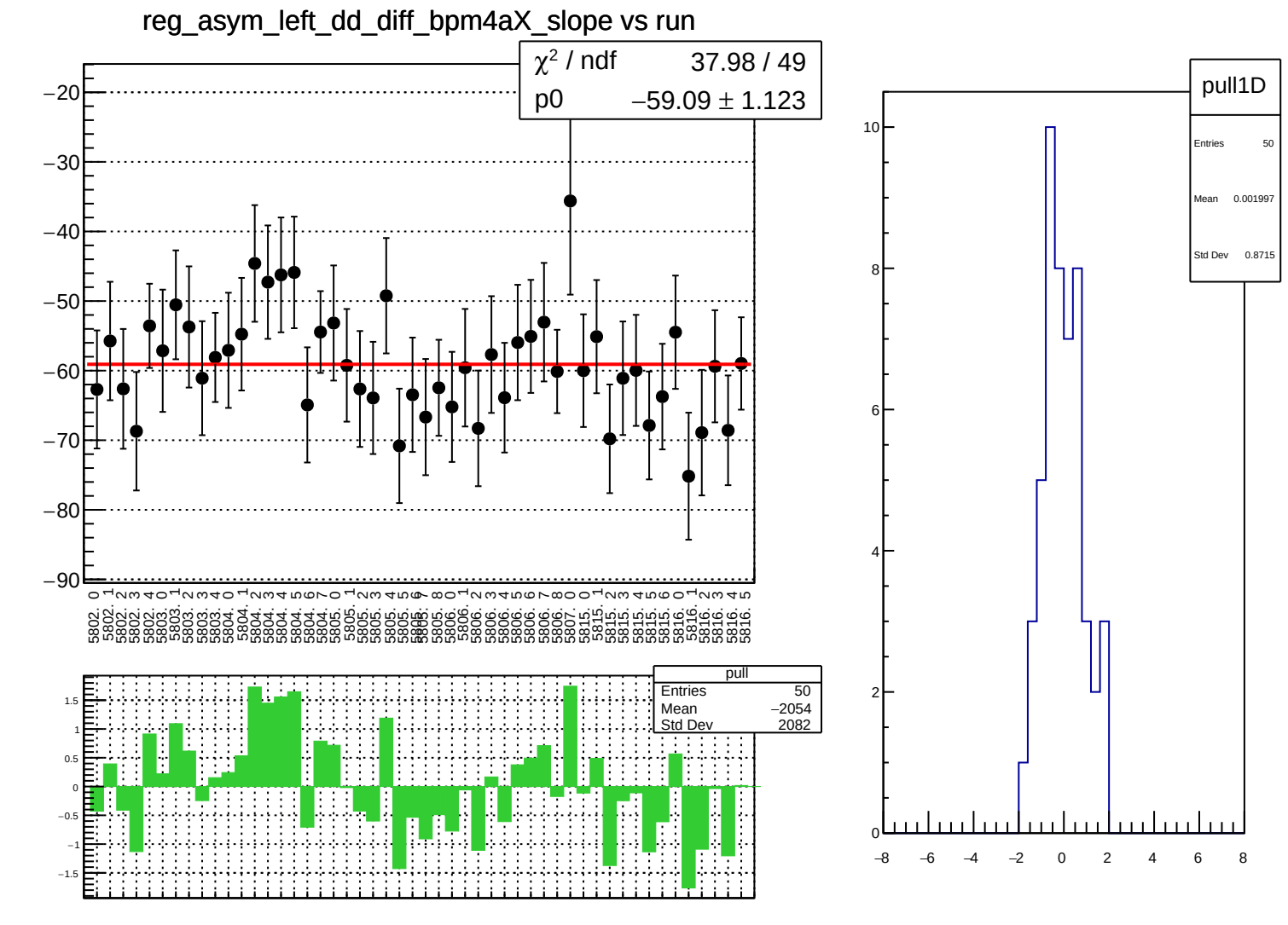

pull1D
Entries 50
Mean −0.001877
Std Dev 0.8909

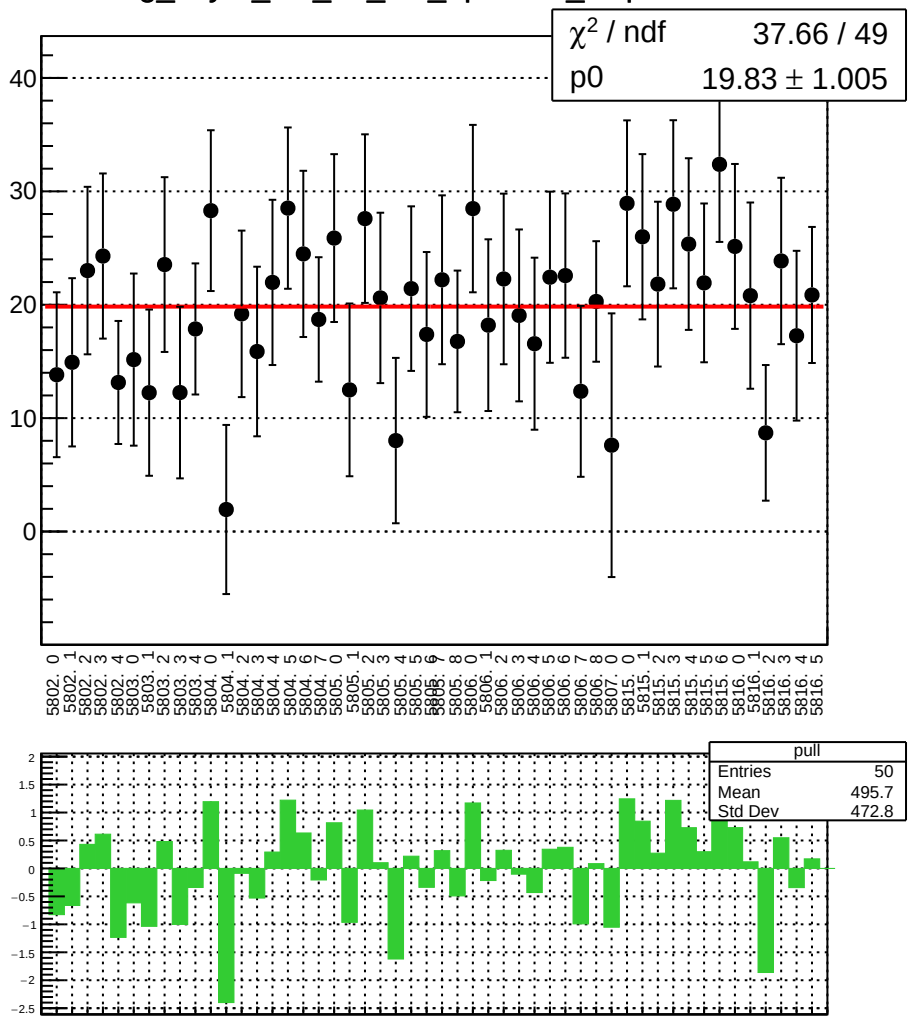

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.69 / 49
p0 −13.85 ± 1.099
pull
Entries 50
Mean 783.1
Std Dev 758.7

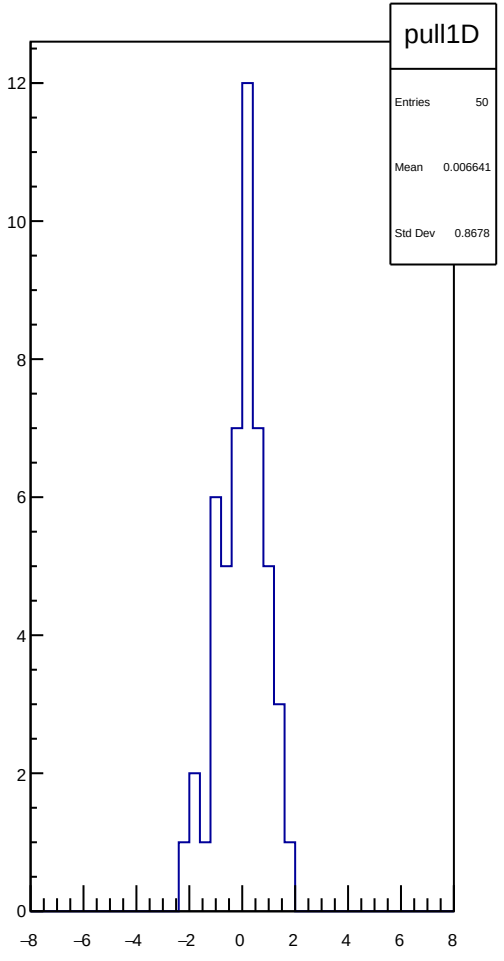

pull1D
Entries 50
Mean −0.005229
Std Dev 0.8796

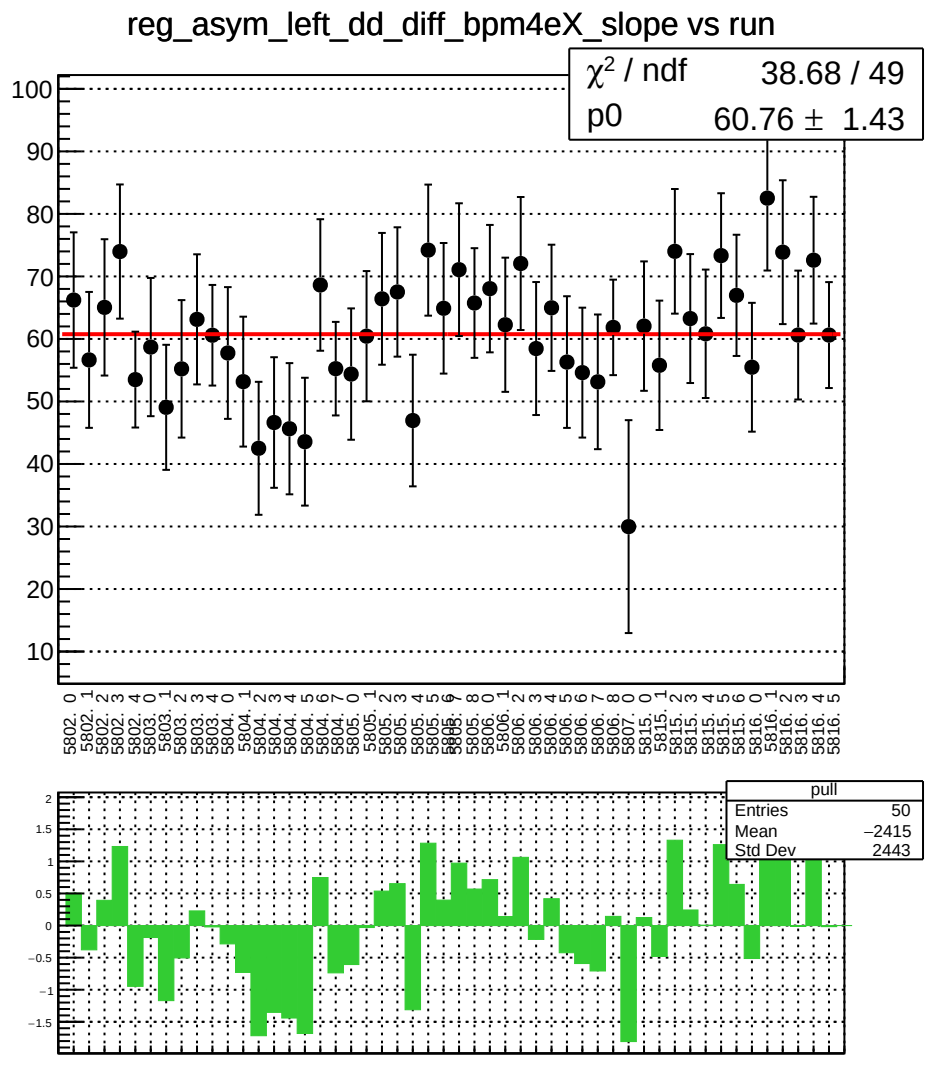

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 93.07 / 49
p0 −23.89 ± 0.06664
pull
Entries 50
Mean 227.3
Std Dev 198.5

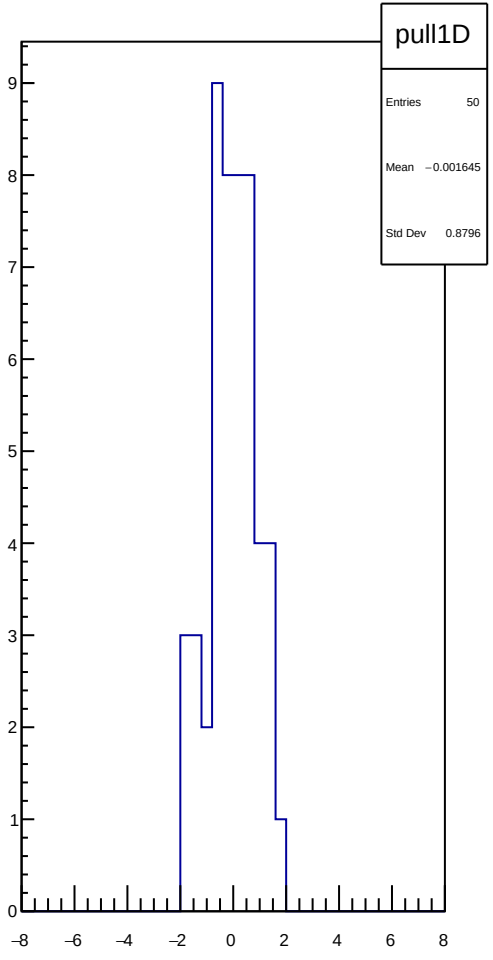

pull1D
Entries 50
Mean −0.02812
Std Dev 1.364

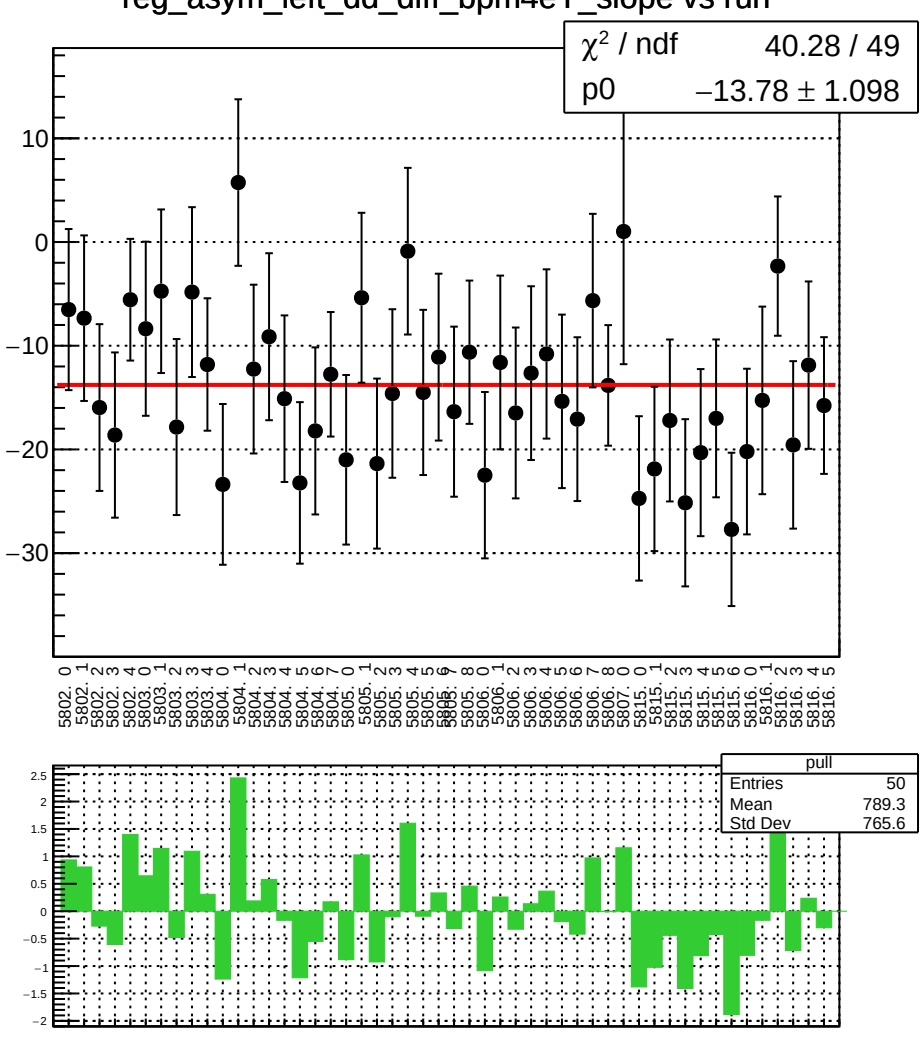

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.98 / 49
p0 −59.09 ± 1.123
pull
Entries 50
Mean −2054
Std Dev 2082
pull1D
Entries 50
Mean 0.001997
Std Dev 0.8715

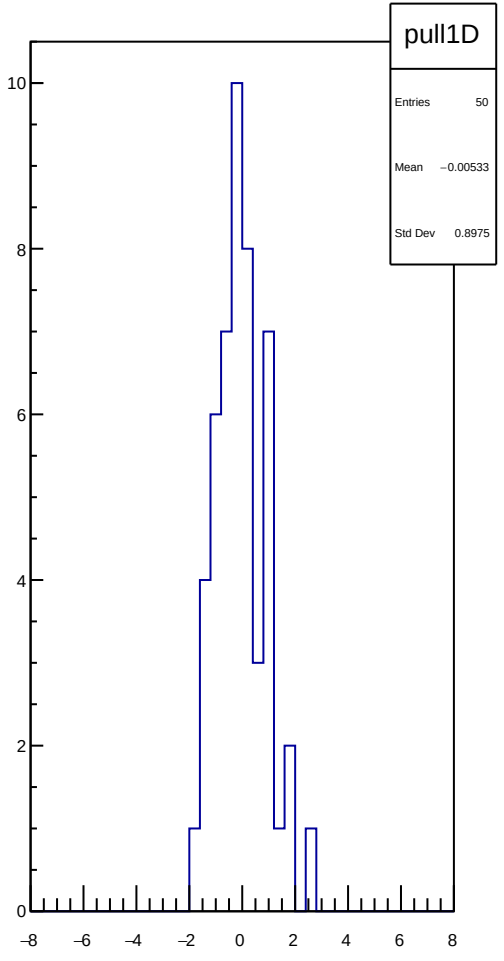

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.66 / 49
p0 19.83 ± 1.005
pull
Entries 50
Mean 495.7
Std Dev 472.8

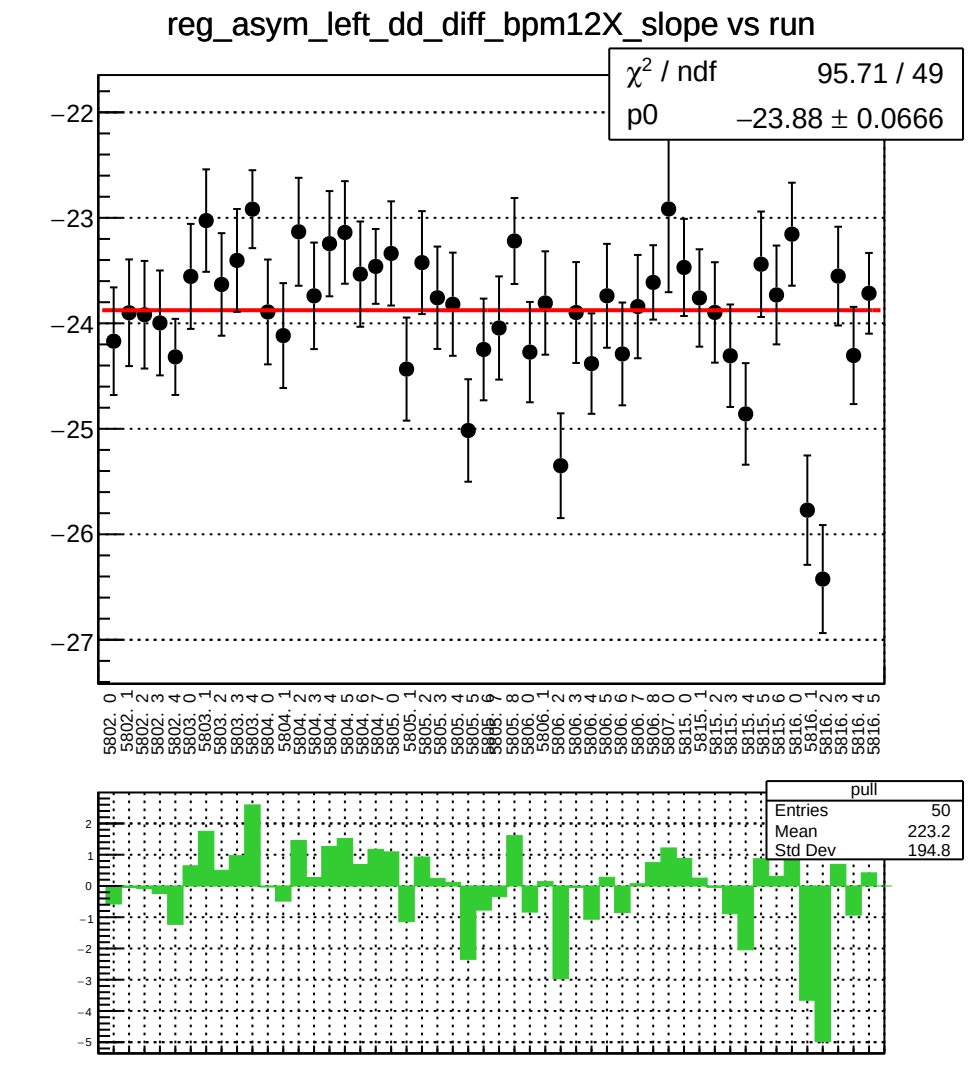

pull1D
Entries 50
Mean 0.006641
Std Dev 0.8678

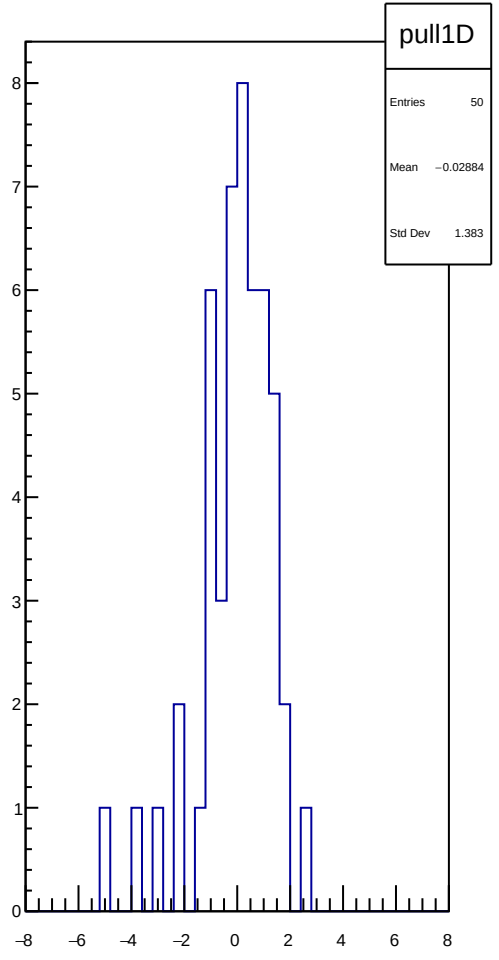

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.68 / 49
p0 60.76 ± 1.43
pull
Entries 50
Mean −2415
Std Dev 2443

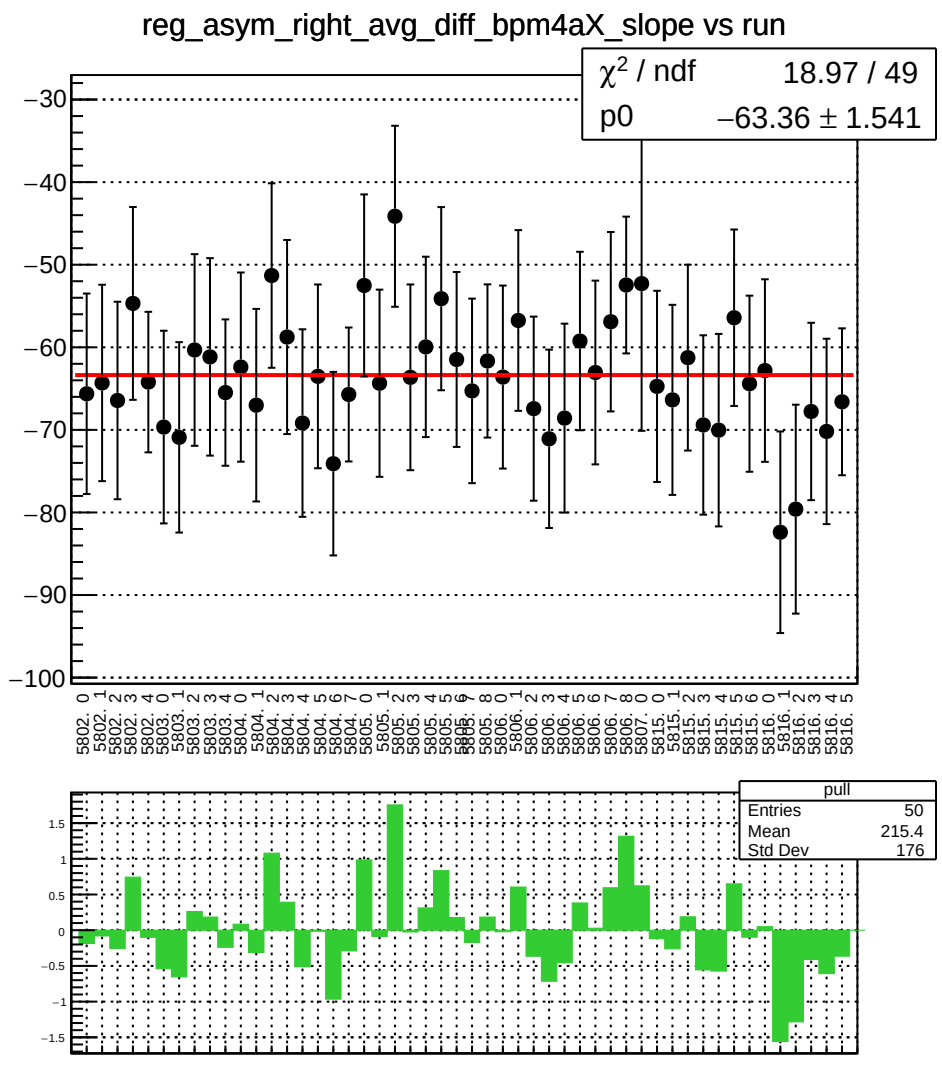

pull1D
Entries 50
Mean −0.001645
Std Dev 0.8796

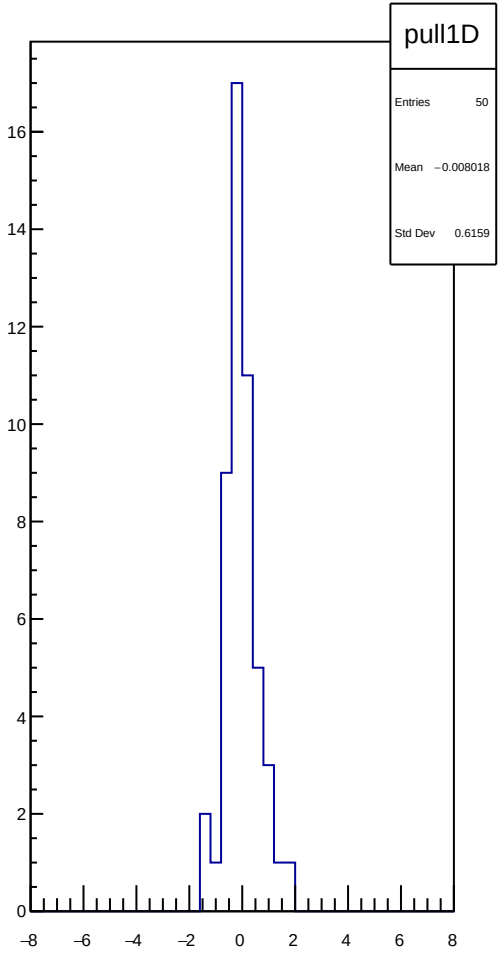

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.28 / 49
p0 −13.78 ± 1.098
pull
Entries 50
Mean 789.3
Std Dev 765.6

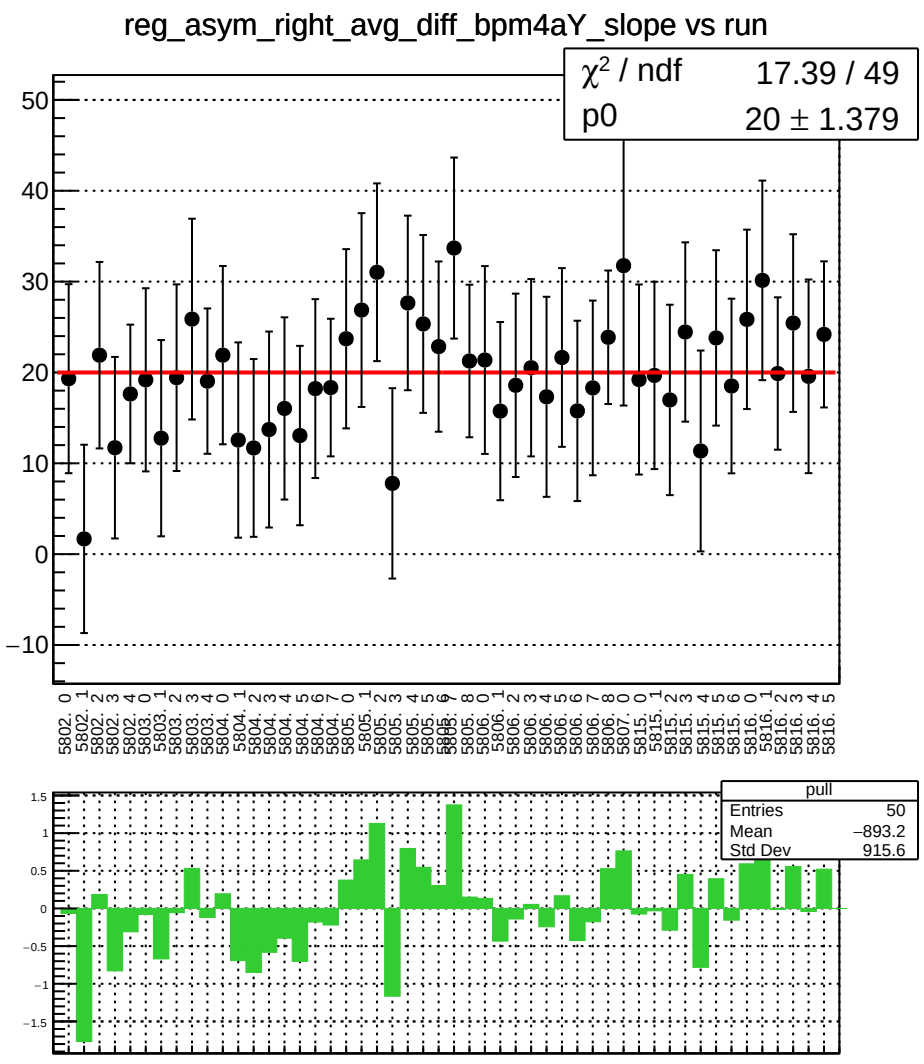

pull1D
Entries 50
Mean −0.00533
Std Dev 0.8975

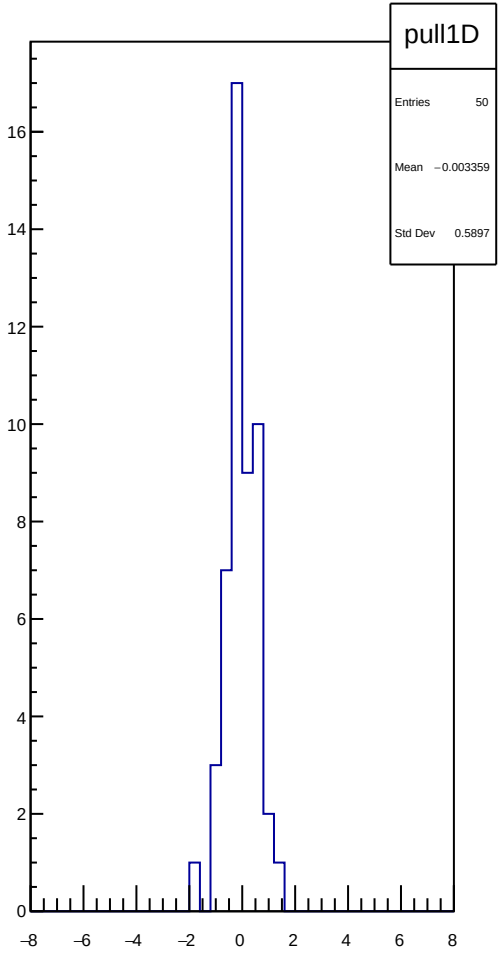

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 95.71 / 49
p0 −23.88 ± 0.0666
pull
Entries 50
Mean 223.2
Std Dev 194.8

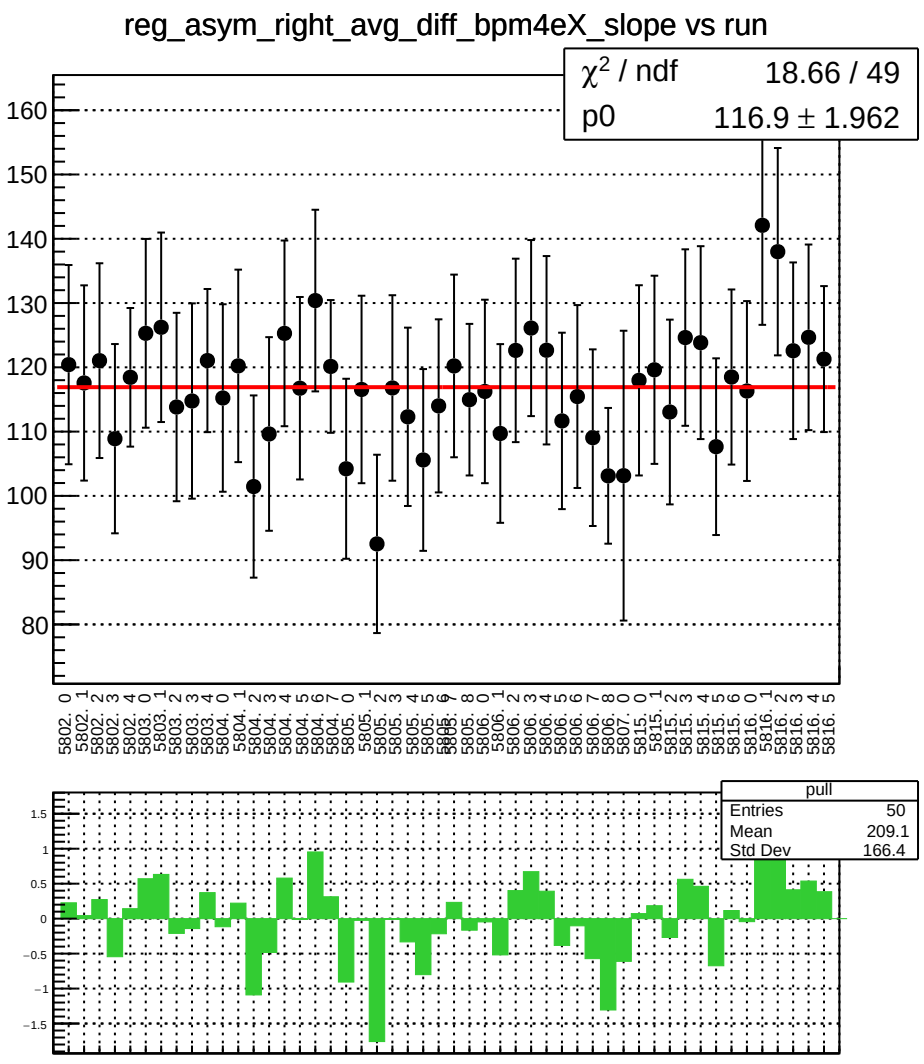

pull1D
Entries 50
Mean −0.02884
Std Dev 1.383

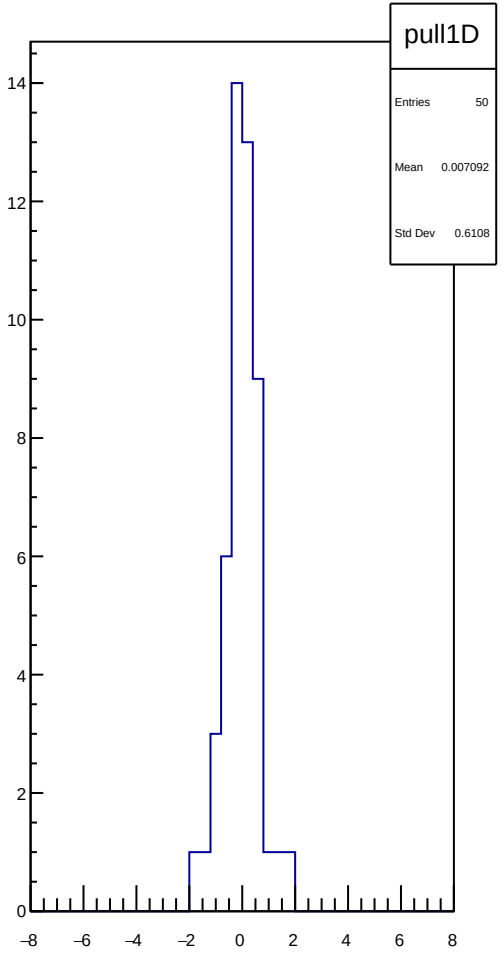

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 18.97 / 49
p0 −63.36 ± 1.541
pull
Entries 50
Mean 215.4
Std Dev 176

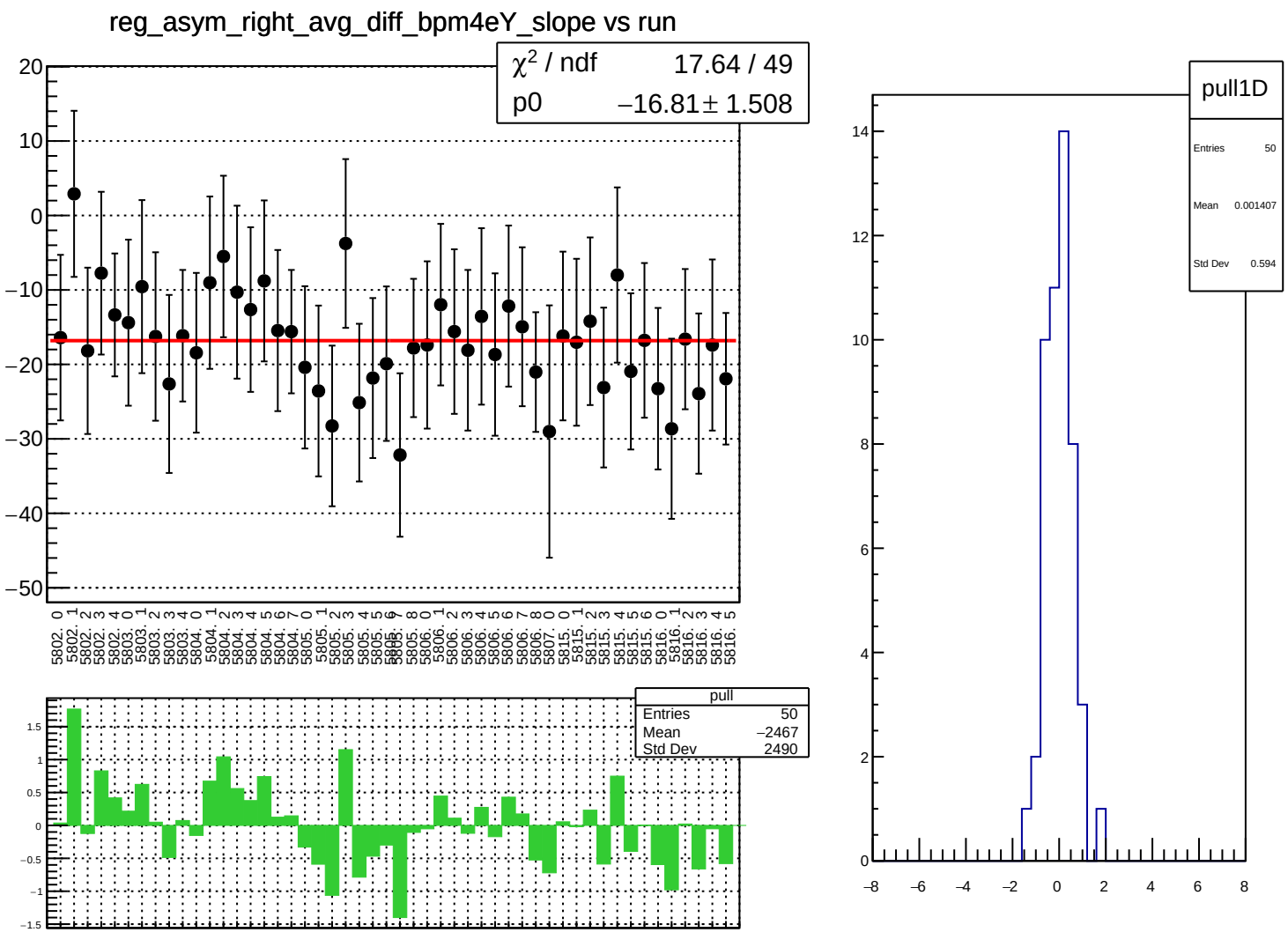

pull1D
Entries 50
Mean −0.008018
Std Dev 0.6159

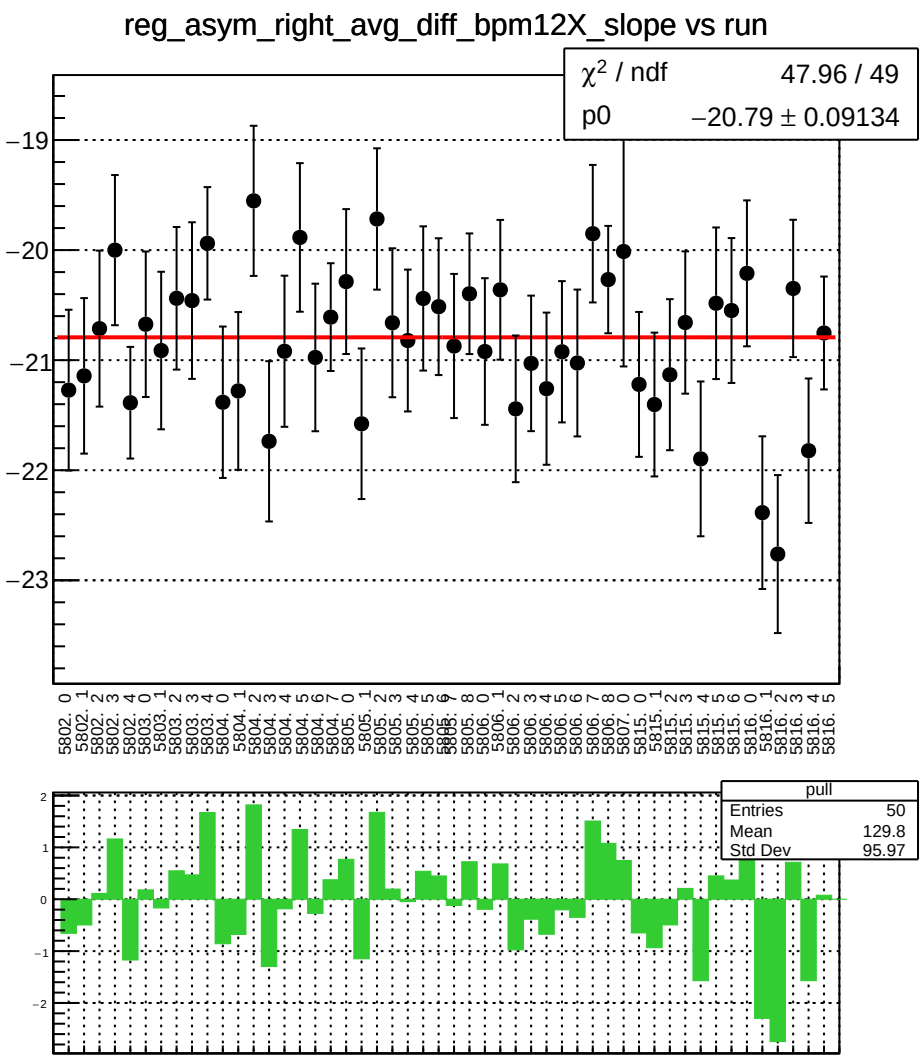

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.39 / 49
p0 20 ± 1.379
pull
Entries 50
Mean −893.2
Std Dev 915.6

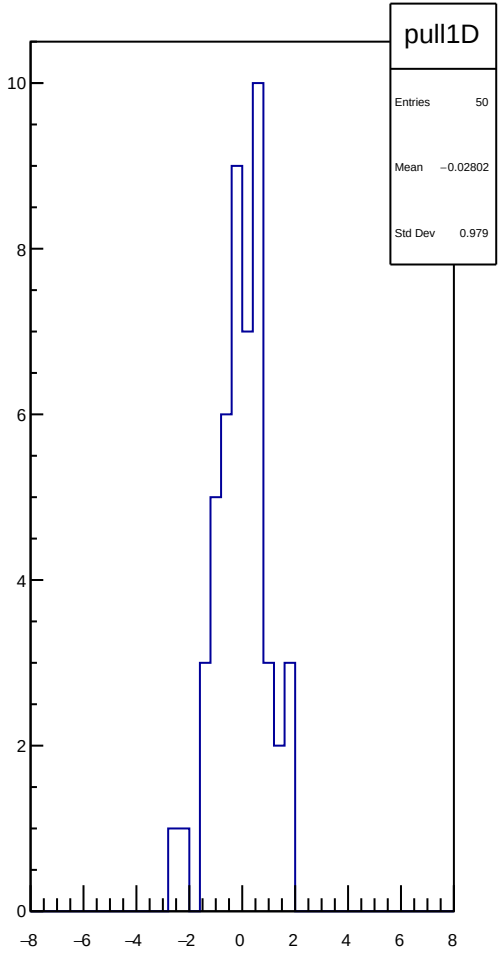

pull1D
Entries 50
Mean −0.003359
Std Dev 0.5897

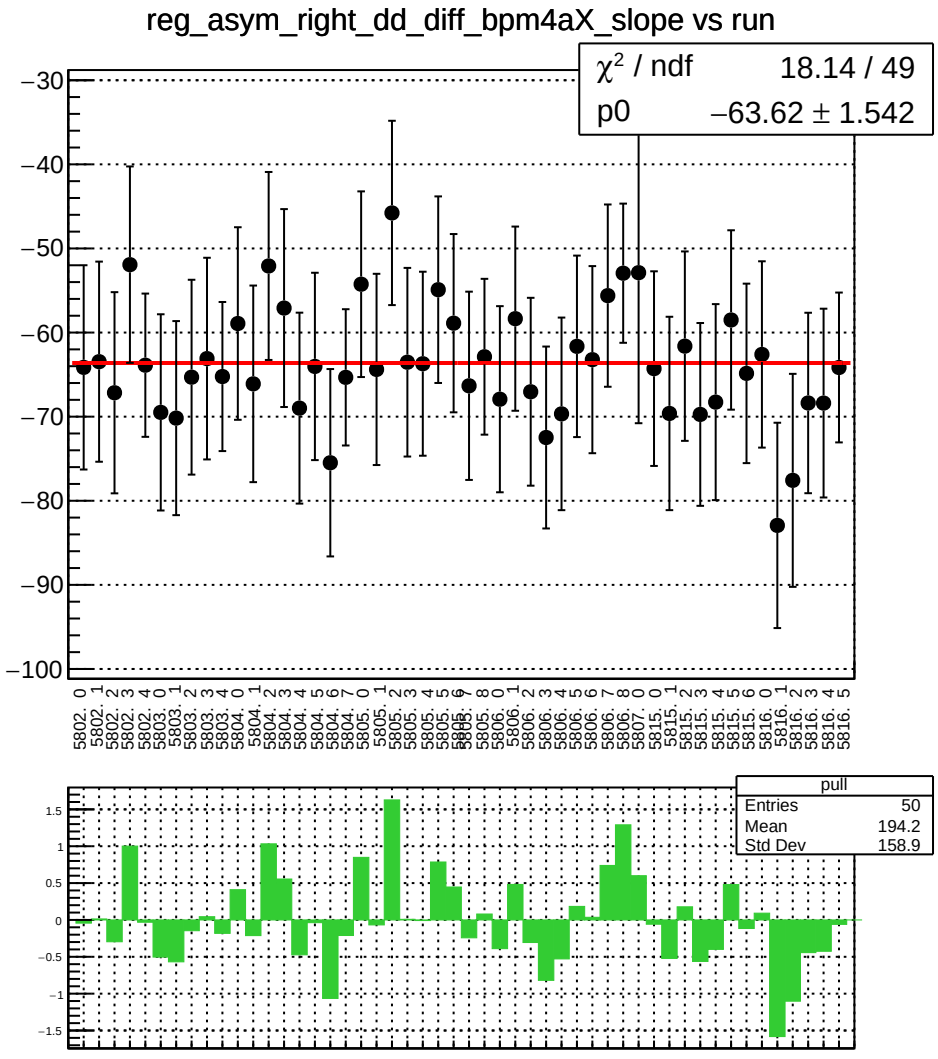

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.66 / 49
p0 116.9 ± 1.962
pull
Entries 50
Mean 209.1
Std Dev 166.4

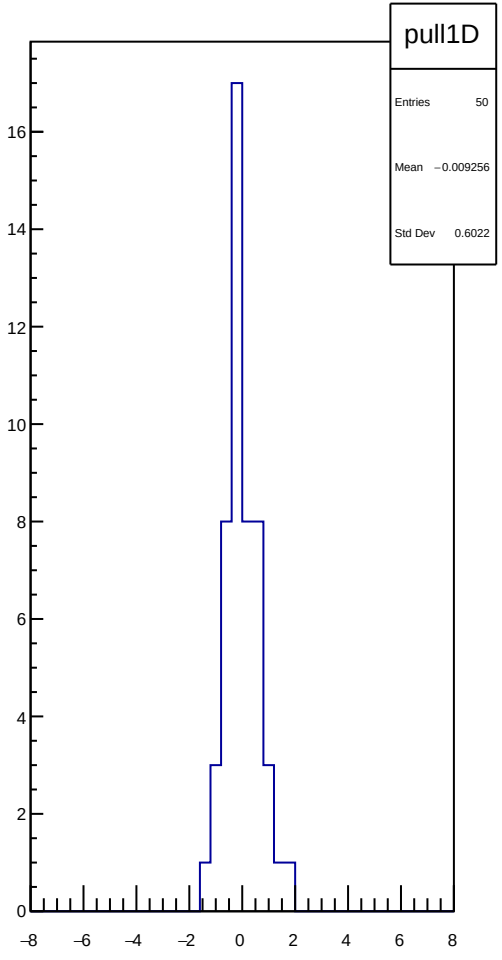

pull1D
Entries 50
Mean 0.007092
Std Dev 0.6108

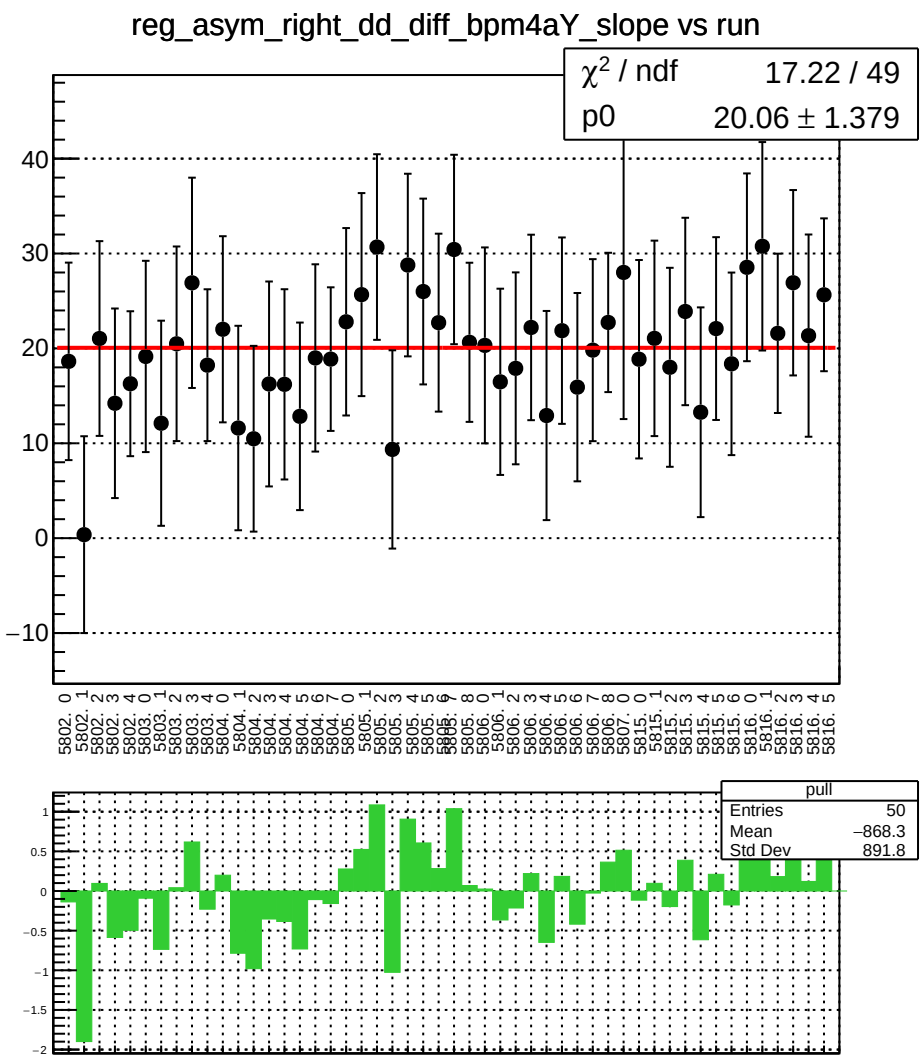

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.64 / 49
p0 −16.81± 1.508
pull
Entries 50
Mean −2467
Std Dev 2490
pull1D
Entries 50
Mean 0.001407
Std Dev 0.594

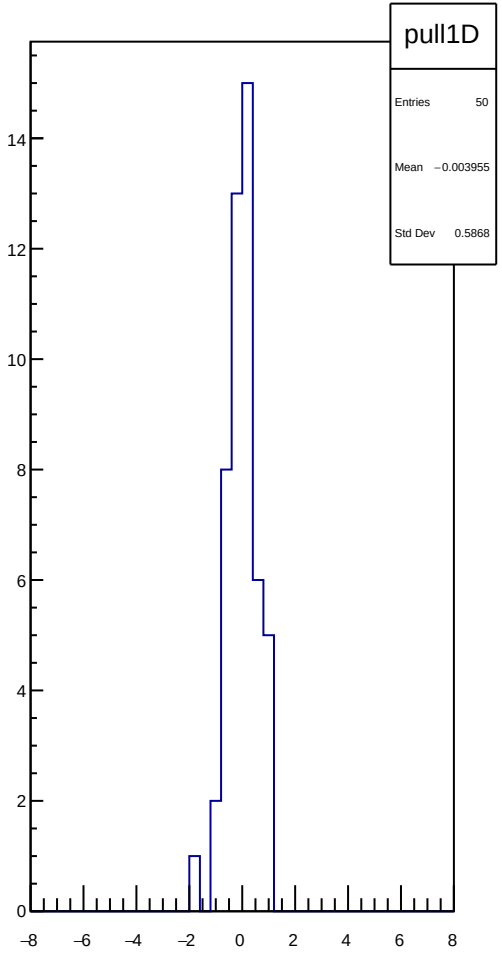

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 47.96 / 49
p0 −20.79 ± 0.09134
pull
Entries 50
Mean 129.8
Std Dev 95.97

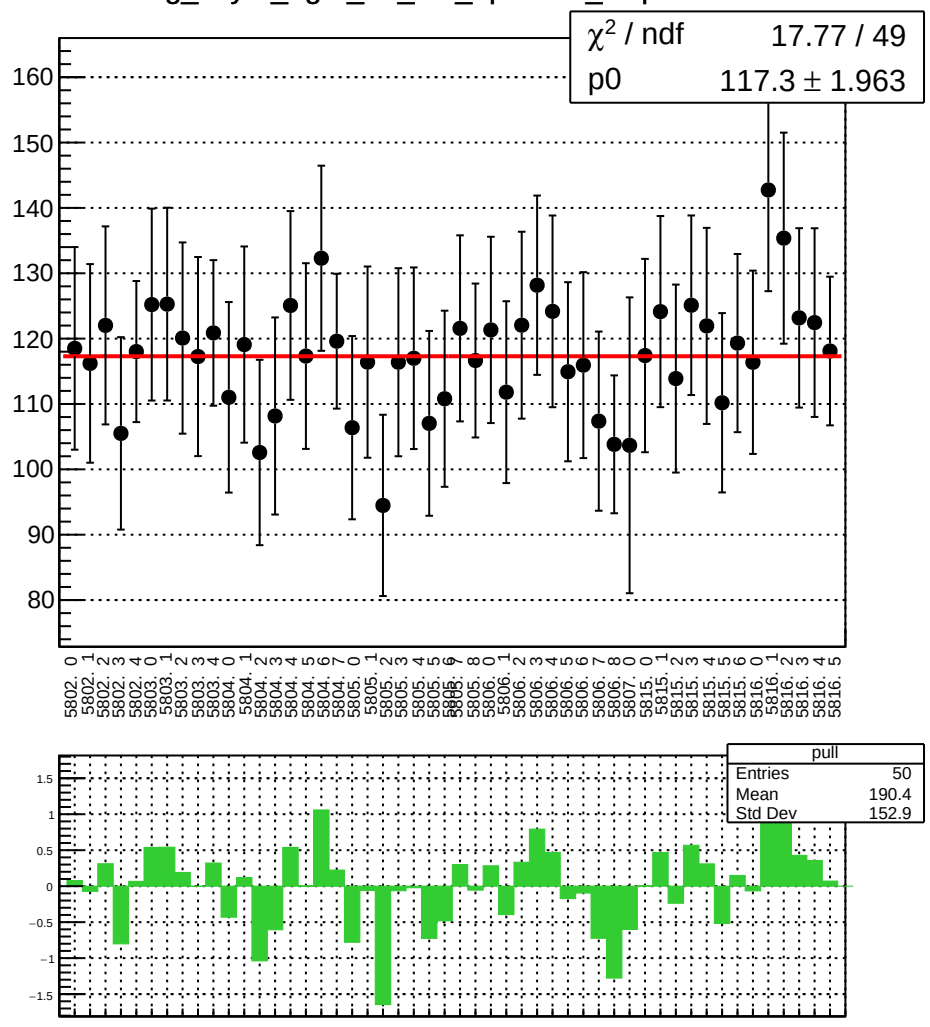

pull1D
Entries 50
Mean −0.02802
Std Dev 0.979

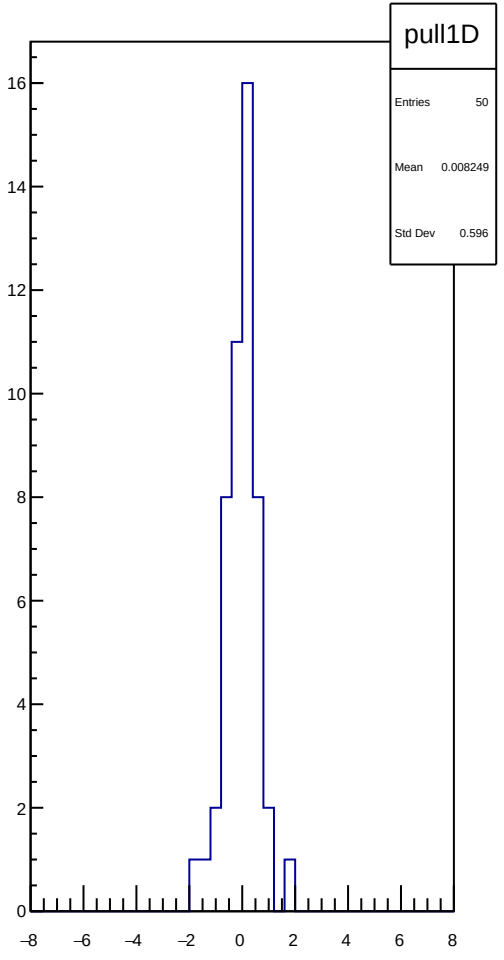

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.14 / 49
p0 −63.62 ± 1.542
pull
Entries 50
Mean 194.2
Std Dev 158.9

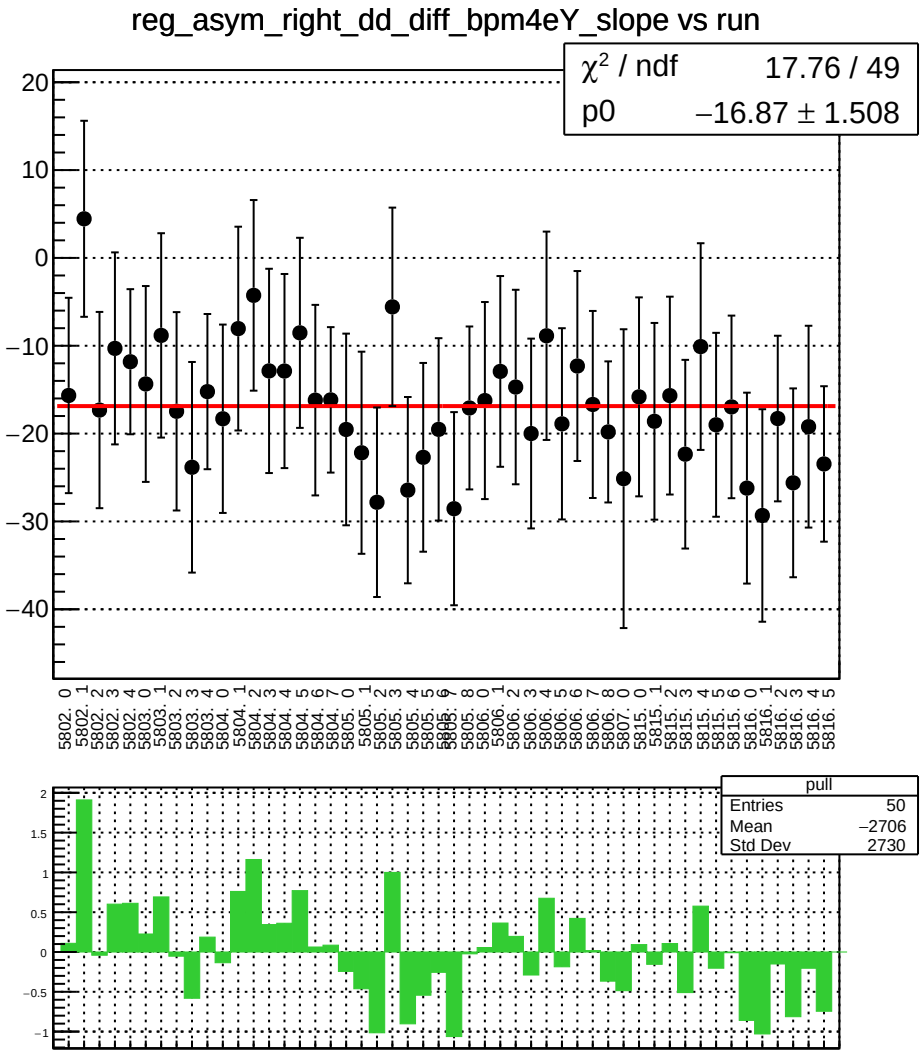

pull1D
Entries 50
Mean −0.009256
Std Dev 0.6022

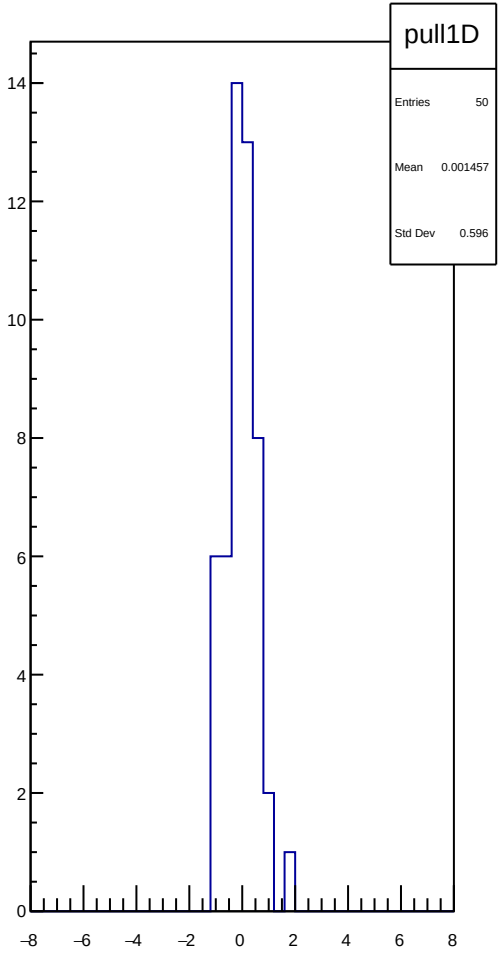

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.22 / 49
p0 20.06 ± 1.379
pull
Entries 50
Mean −868.3
Std Dev 891.8

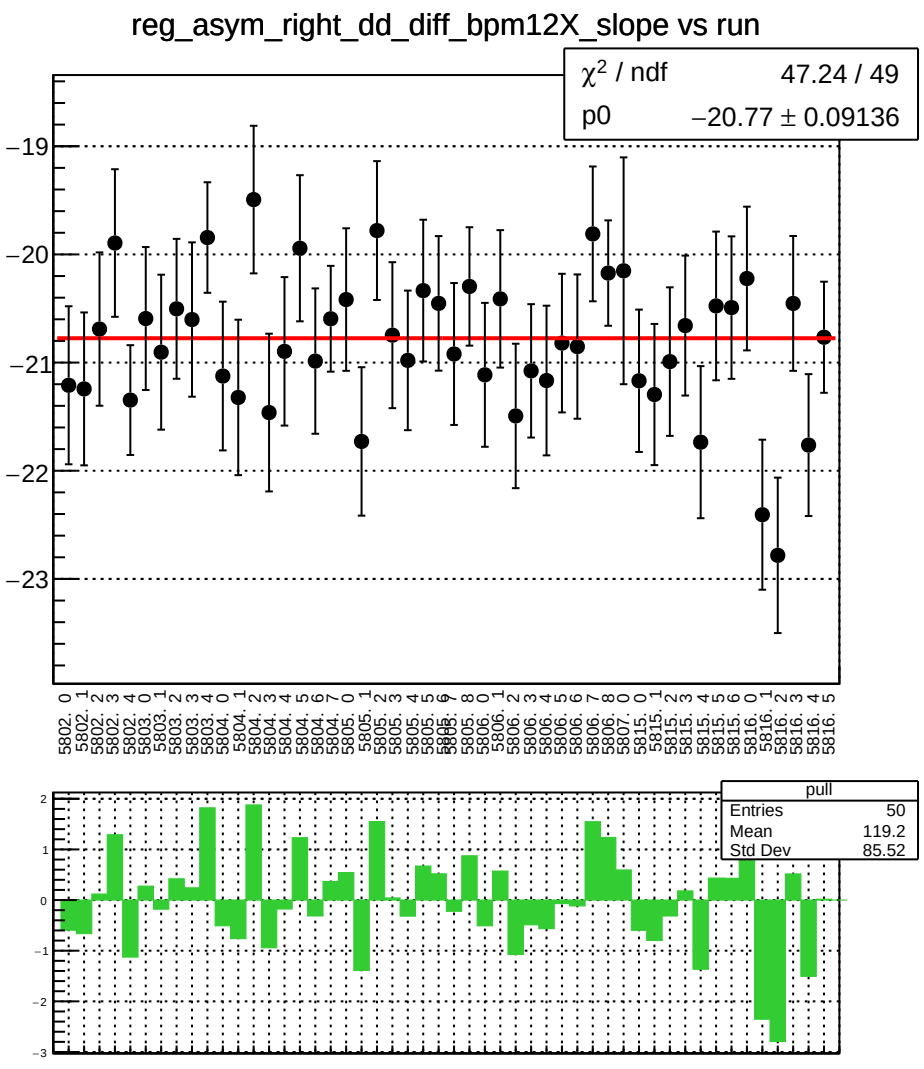

pull1D
Entries 50
Mean −0.003955
Std Dev 0.5868

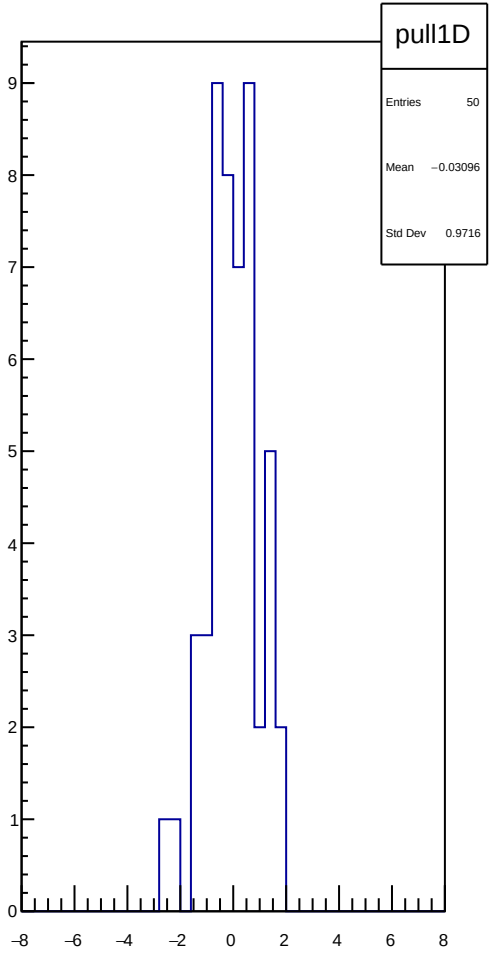

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.77 / 49
p0 117.3 ± 1.963
160
150
140
130
120
110
100
90
80
pull
Entries 50
Mean 190.4
Std Dev 152.9
1.5
1
0.5
0
−0.5
−1
−1.5

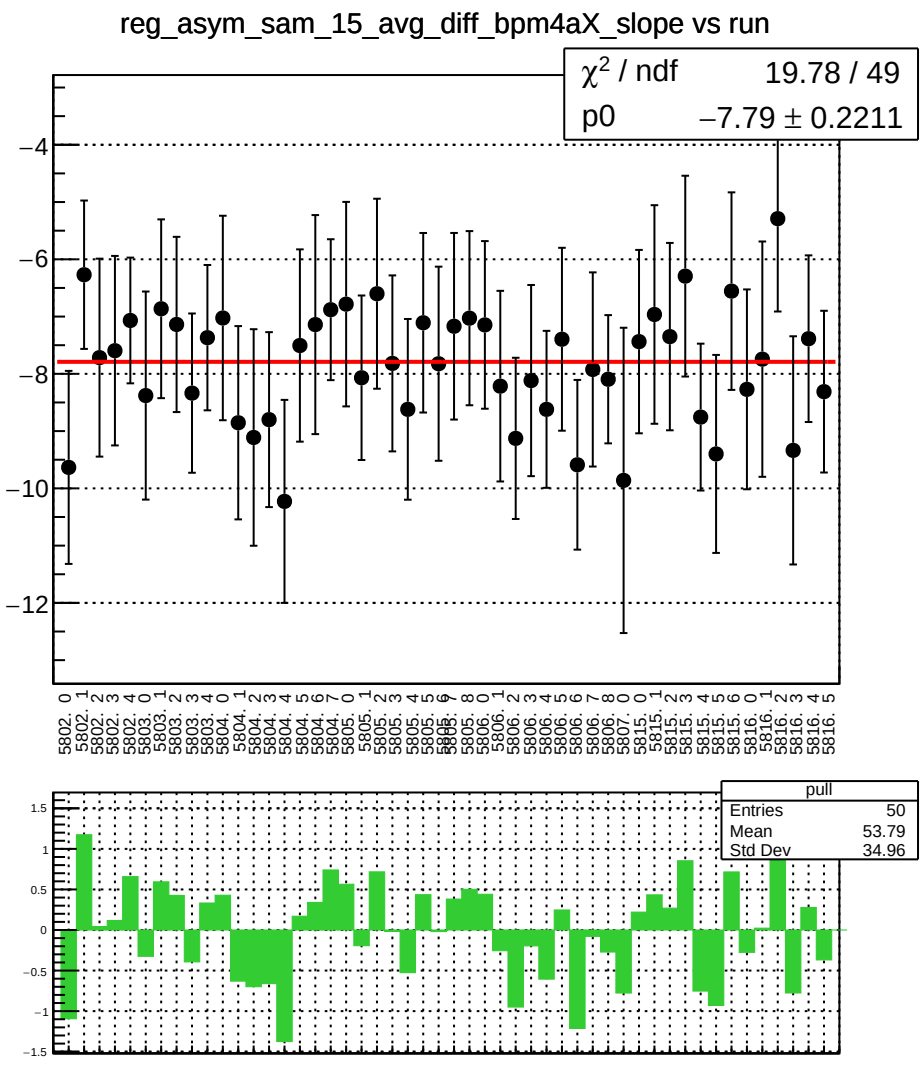

pull1D
Entries 50
Mean 0.008249
Std Dev 0.596
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

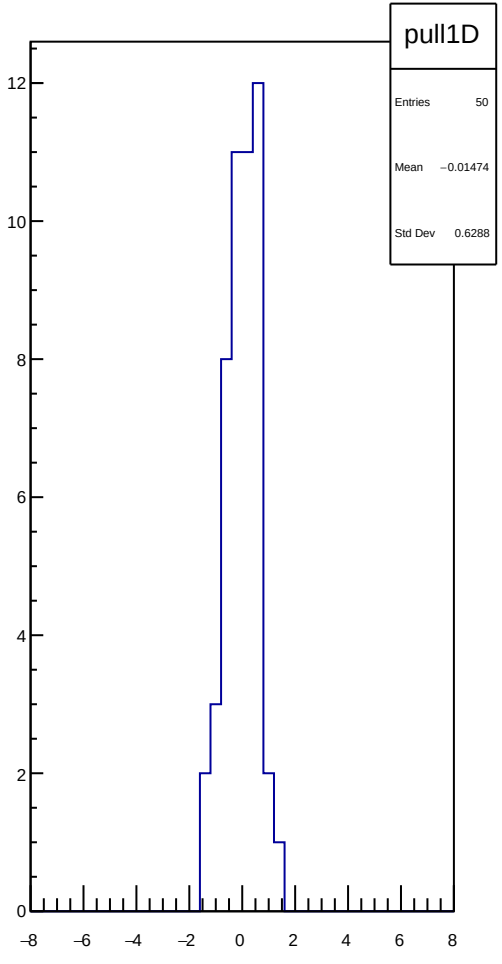

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.76 / 49
p0 −16.87 ± 1.508
pull
Entries 50
Mean −2706
Std Dev 2730

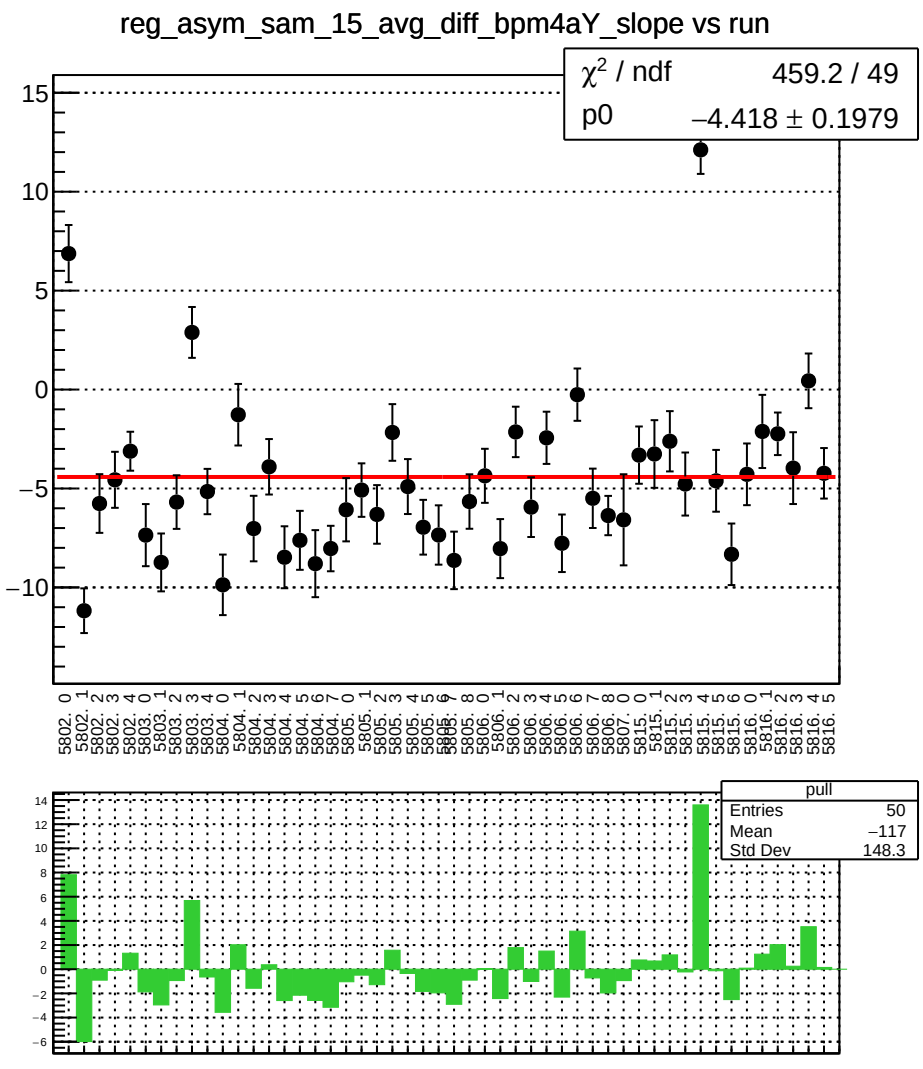

pull1D
Entries 50
Mean 0.001457
Std Dev 0.596

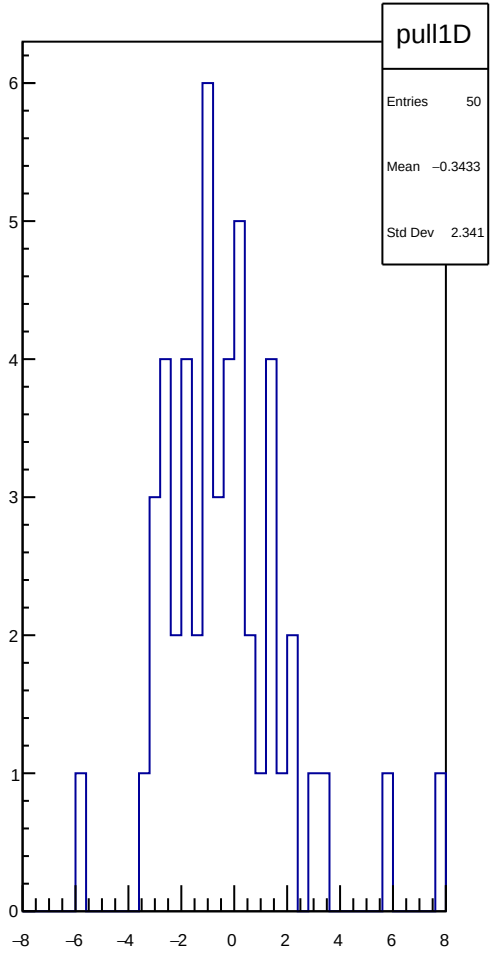

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 47.24 / 49
p0 −20.77 ± 0.09136
pull
Entries 50
Mean 119.2
Std Dev 85.52

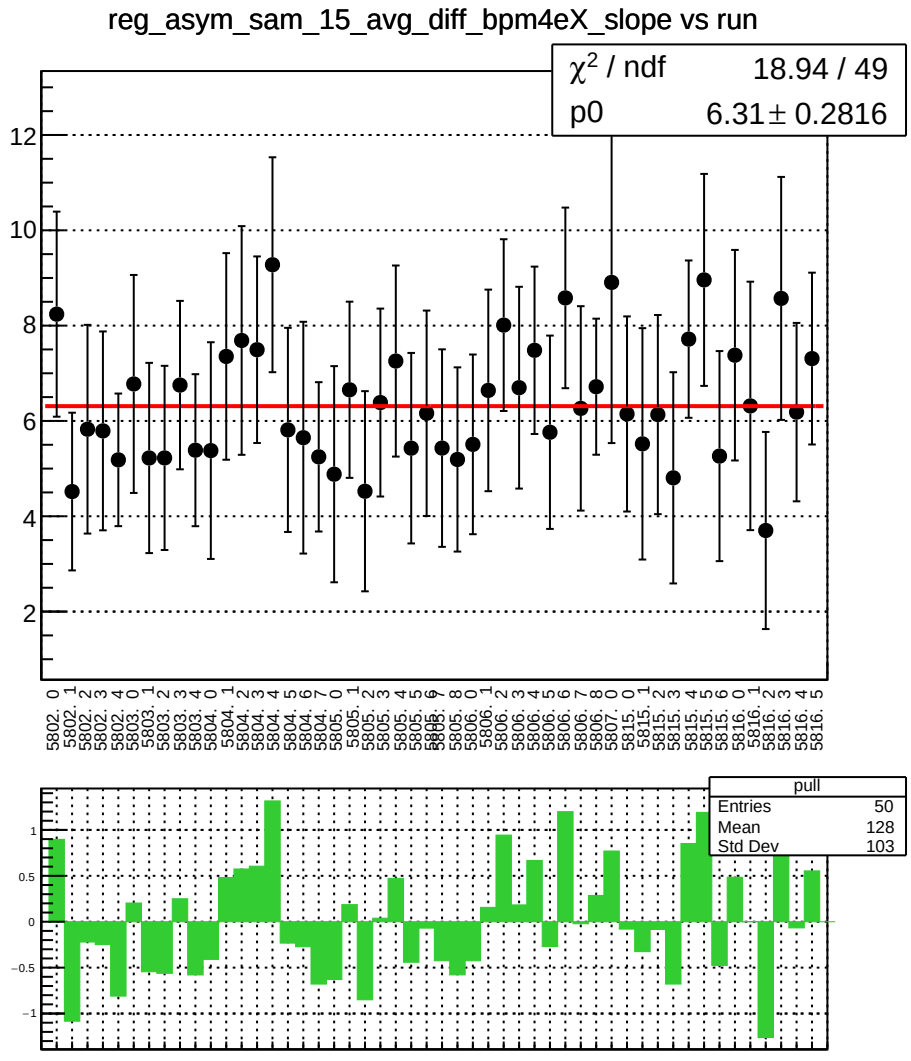

pull1D
Entries 50
Mean −0.03096
Std Dev 0.9716

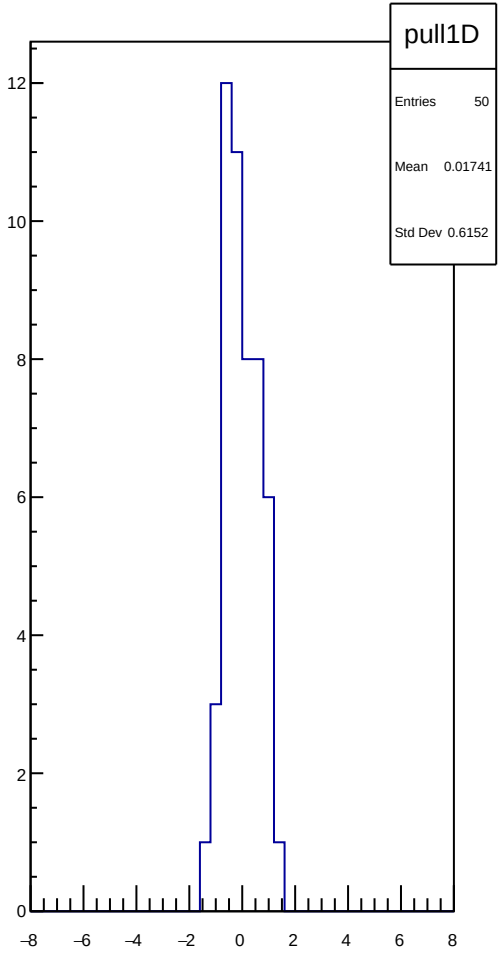

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 19.78 / 49
p0 −7.79 ± 0.2211
pull
Entries 50
Mean 53.79
Std Dev 34.96

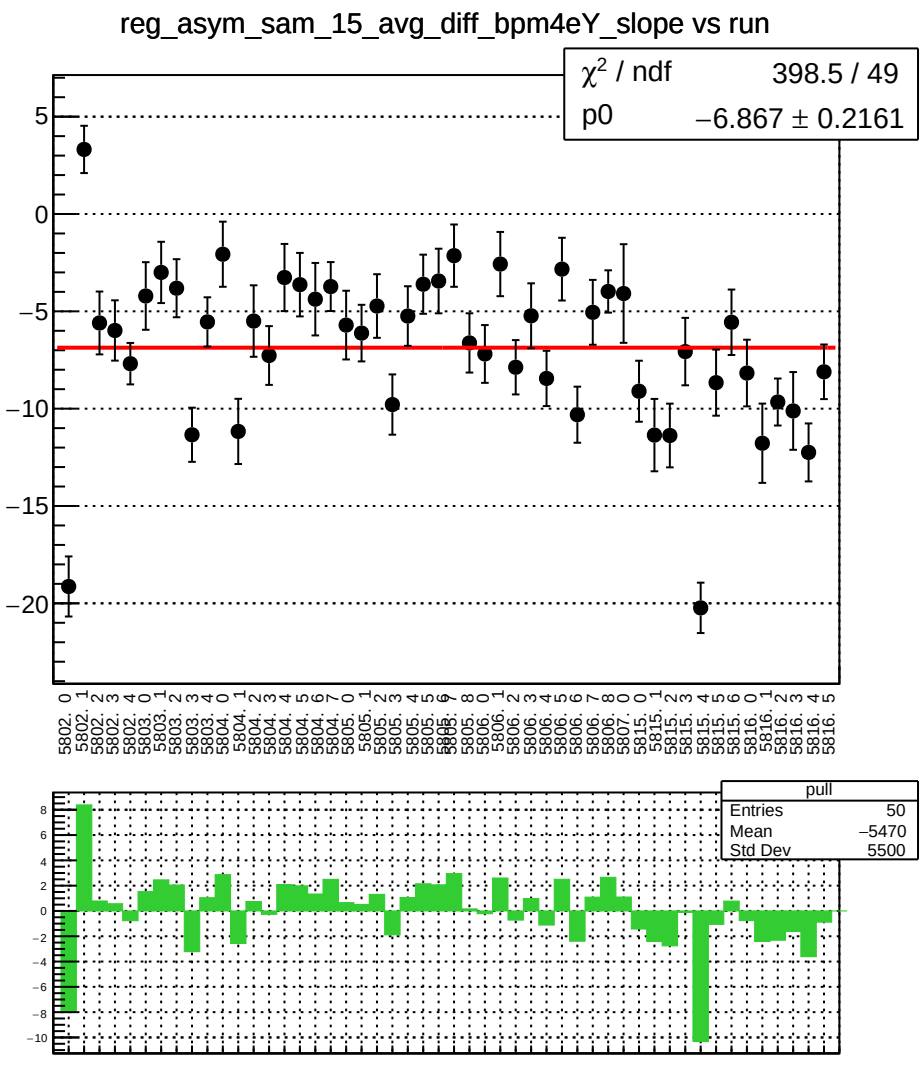

pull1D
Entries 50
Mean −0.01474
Std Dev 0.6288

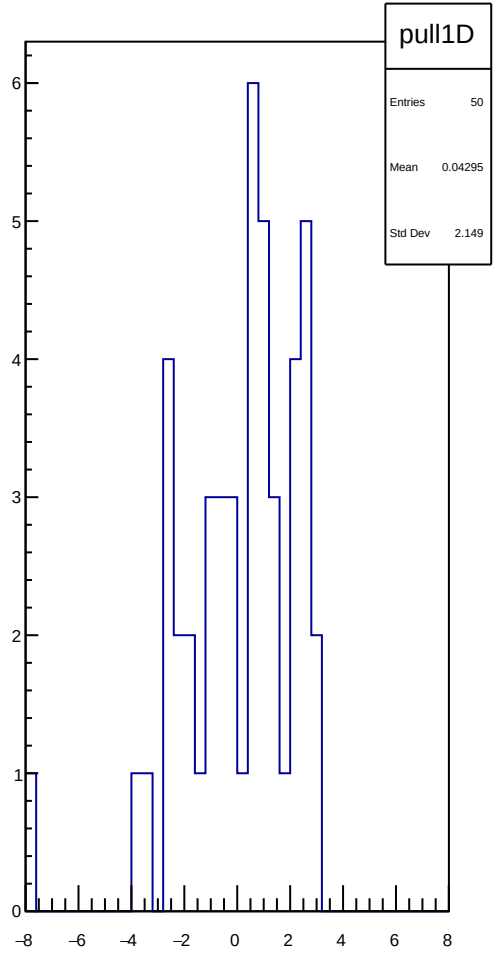

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 459.2 / 49
p0 −4.418 ± 0.1979
pull
Entries 50
Mean −117
Std Dev 148.3

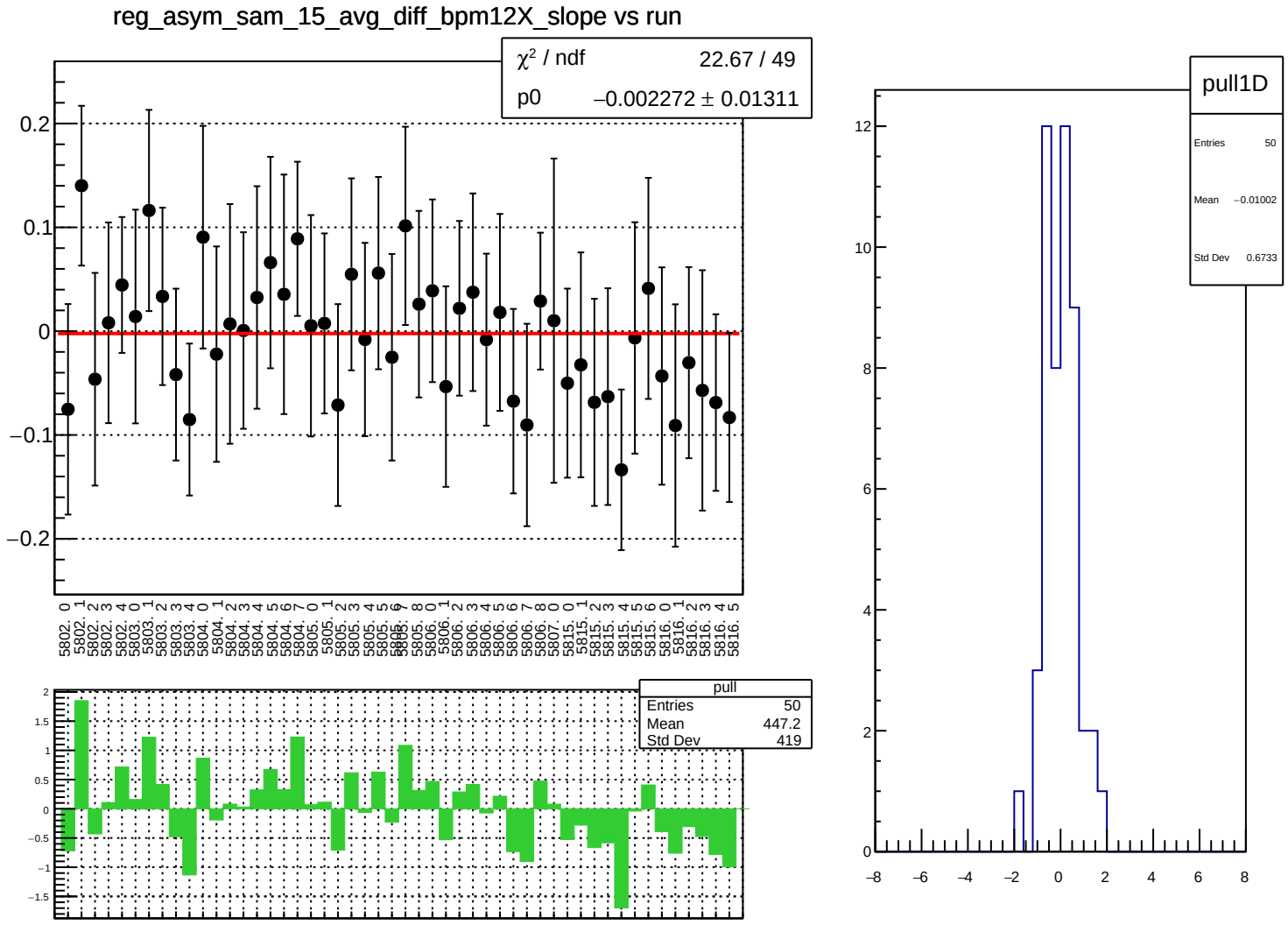

pull1D
Entries 50
Mean −0.3433
Std Dev 2.341

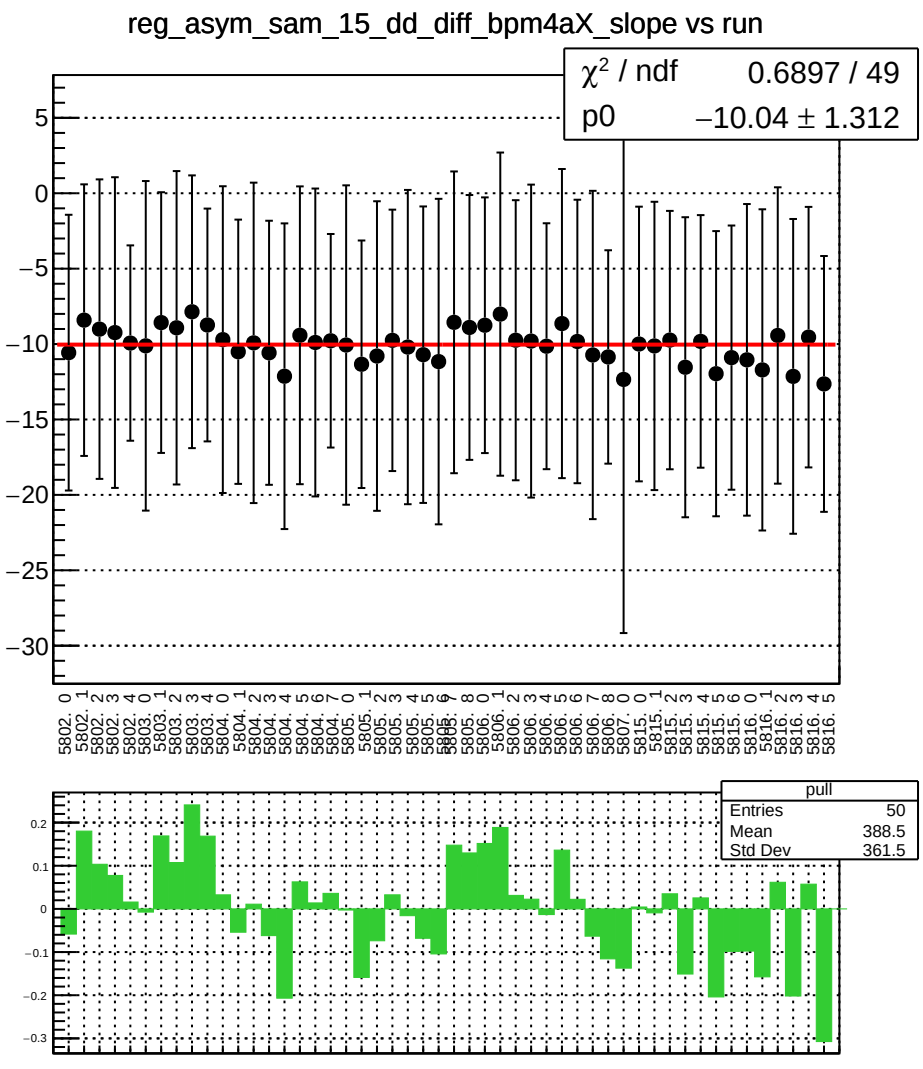

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.94 / 49
p0 6.31 ± 0.2816
pull
Entries 50
Mean 128
Std Dev 103

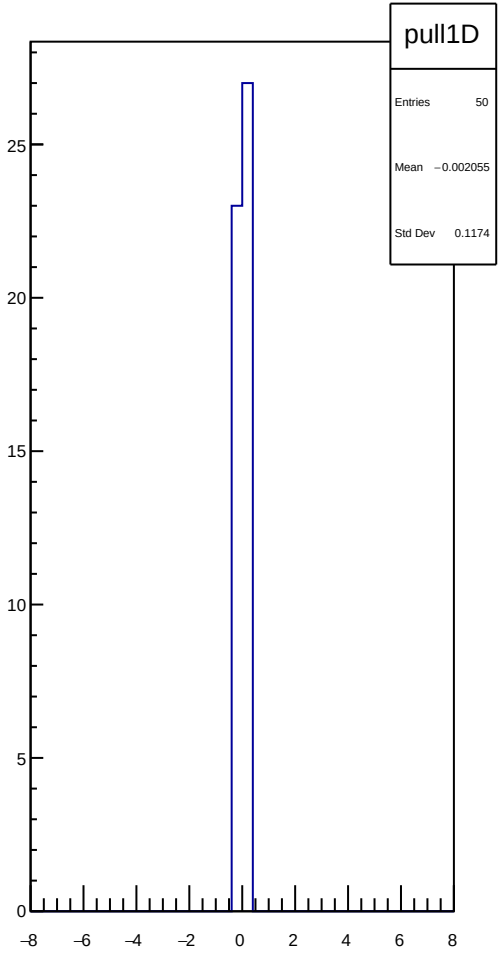

pull1D
Entries 50
Mean 0.01741
Std Dev 0.6152

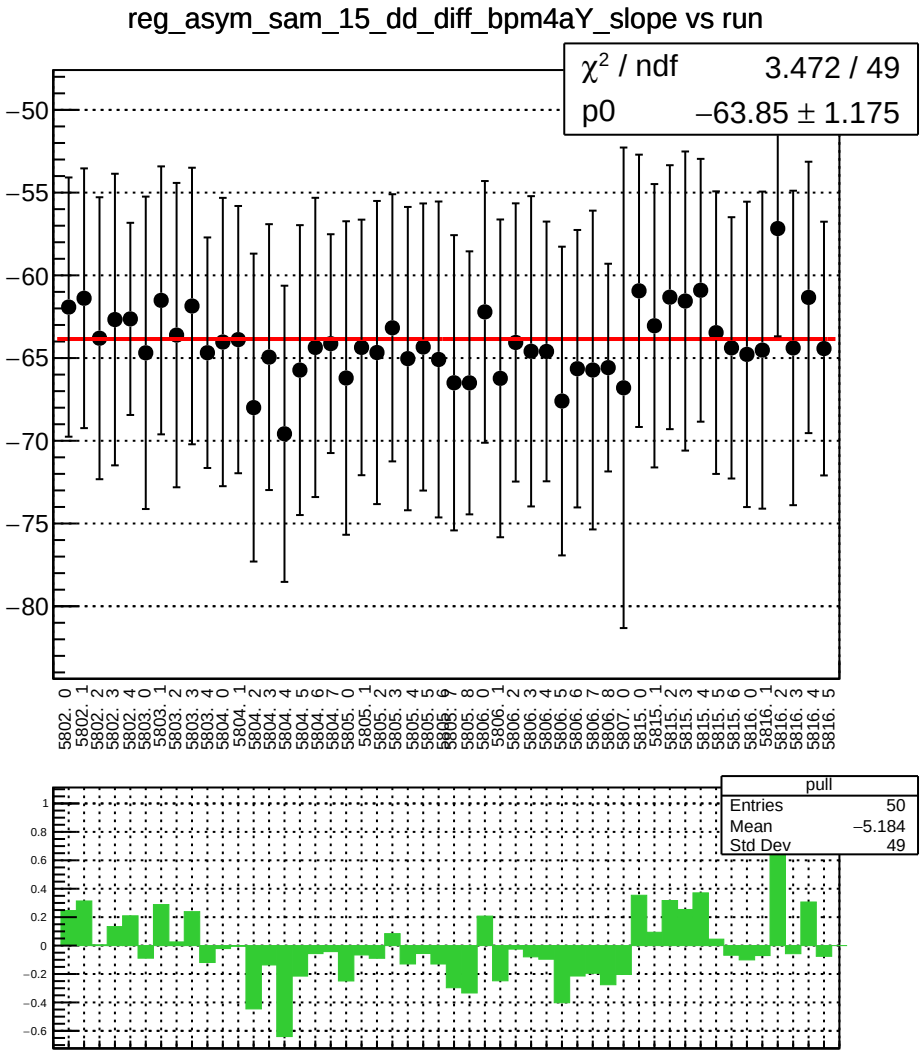

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 398.5 / 49
p0 −6.867 ± 0.2161
pull
Entries 50
Mean −5470
Std Dev 5500

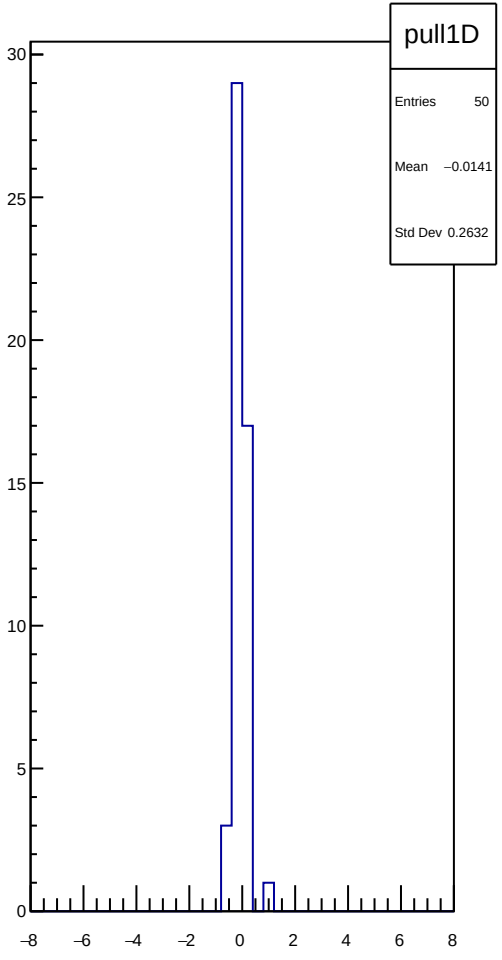

pull1D
Entries 50
Mean 0.04295
Std Dev 2.149

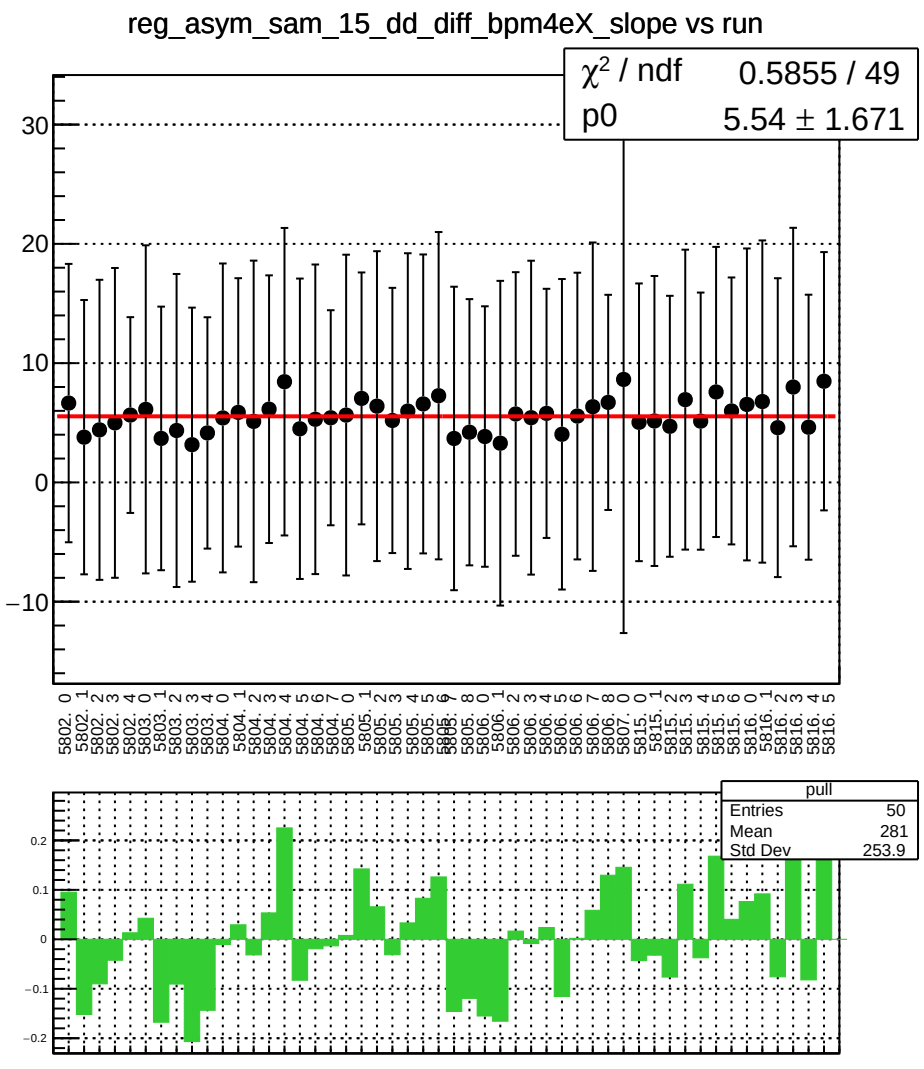

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 22.67 / 49
p0 −0.002272 ± 0.01311
pull
Entries 50
Mean 447.2
Std Dev 419
pull1D
Entries 50
Mean −0.01002
Std Dev 0.6733

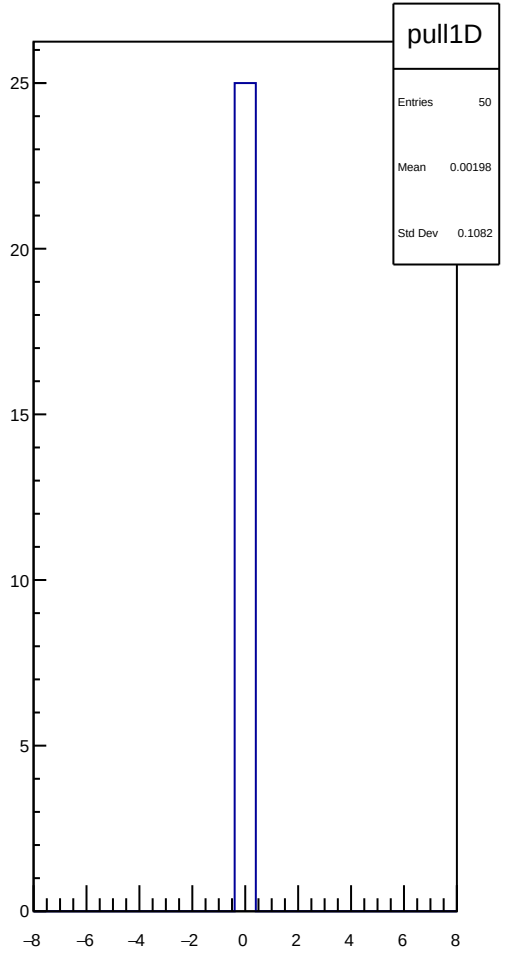

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.6897 / 49
p0 −10.04 ± 1.312
pull
Entries 50
Mean 388.5
Std Dev 361.5

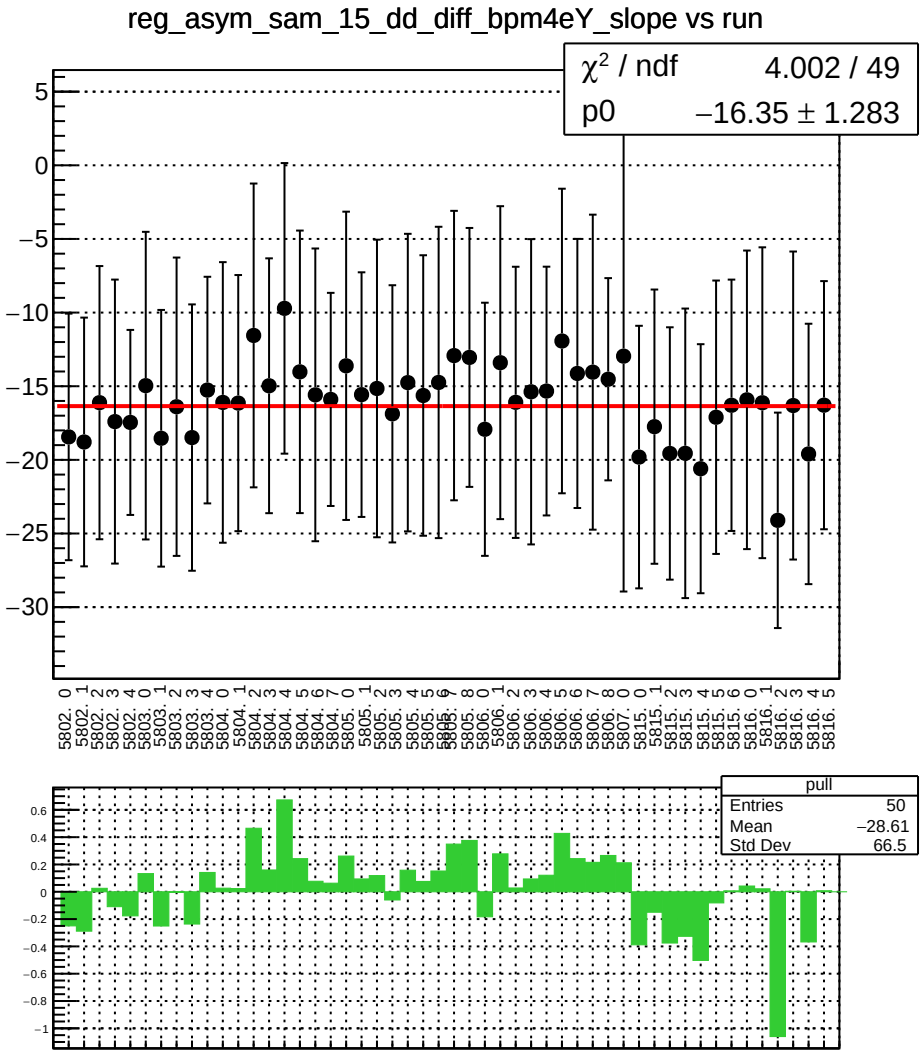

pull1D
Entries 50
Mean −0.002055
Std Dev 0.1174

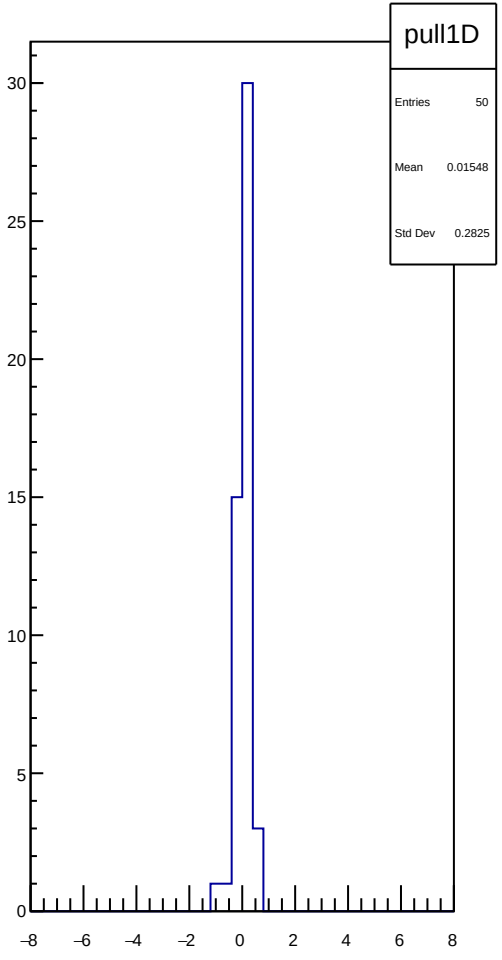

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.472 / 49
p0 −63.85 ± 1.175
pull
Entries 50
Mean −5.184
Std Dev 49

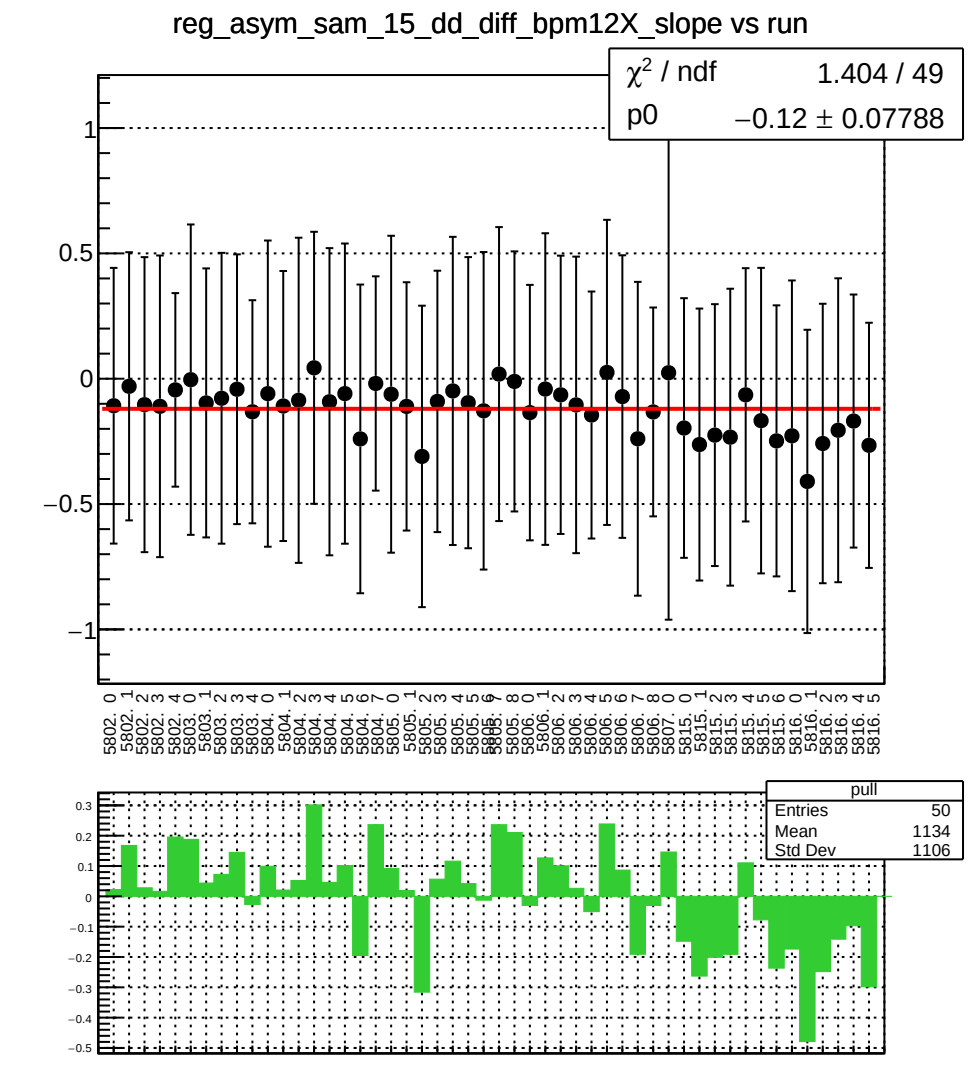

pull1D
Entries 50
Mean −0.0141
Std Dev 0.2632

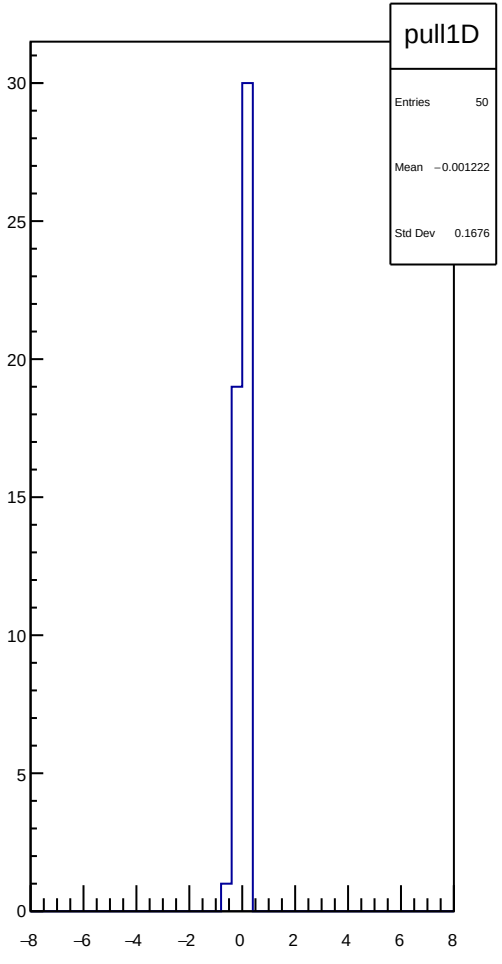

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5855 / 49
p0 5.54 ± 1.671
30
20
10
0
−10
pull
Entries 50
Mean 281
Std Dev 253.9
0.2
0.1
0
−0.1
−0.2

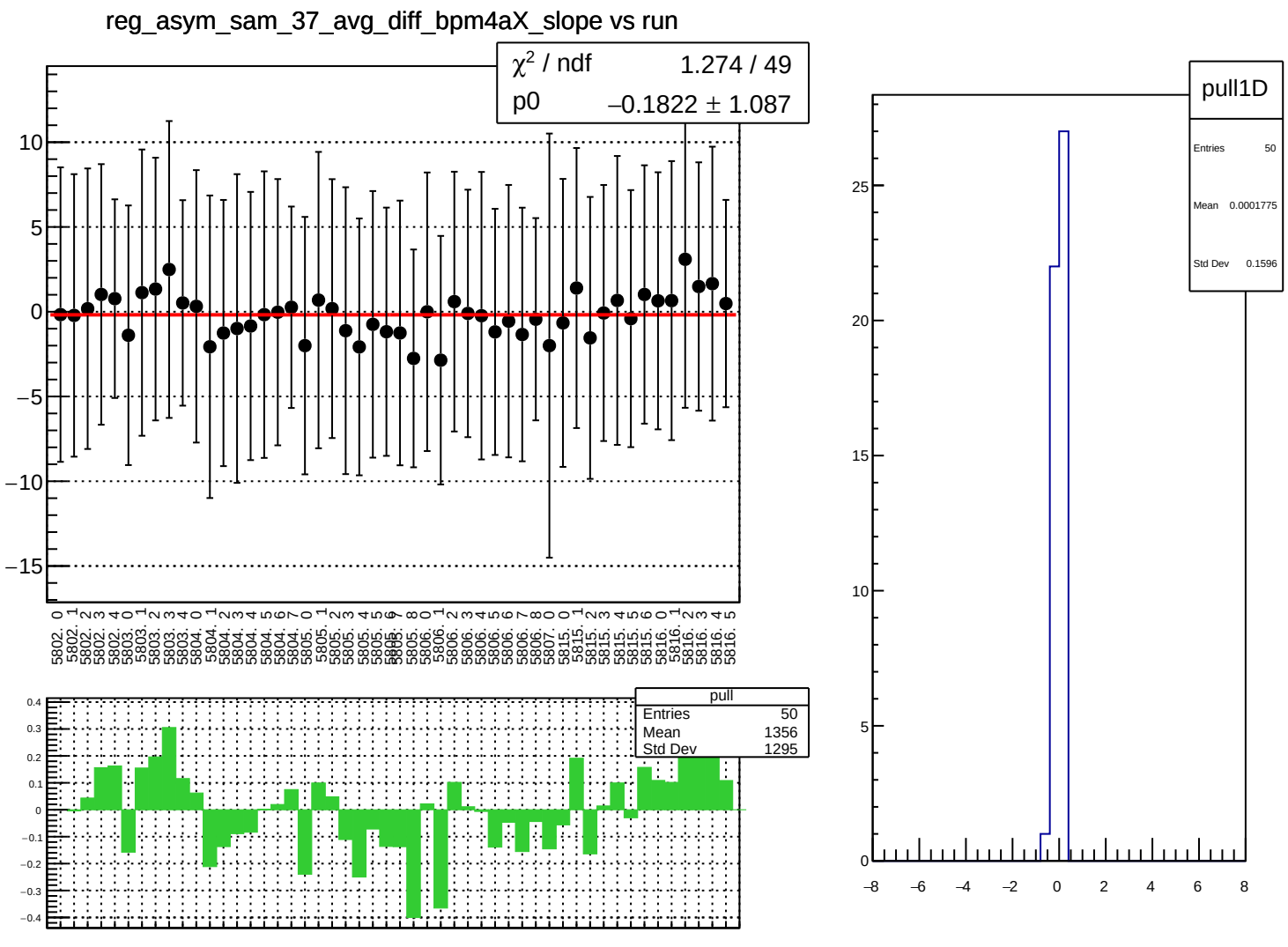

pull1D
Entries 50
Mean 0.00198
Std Dev 0.1082
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

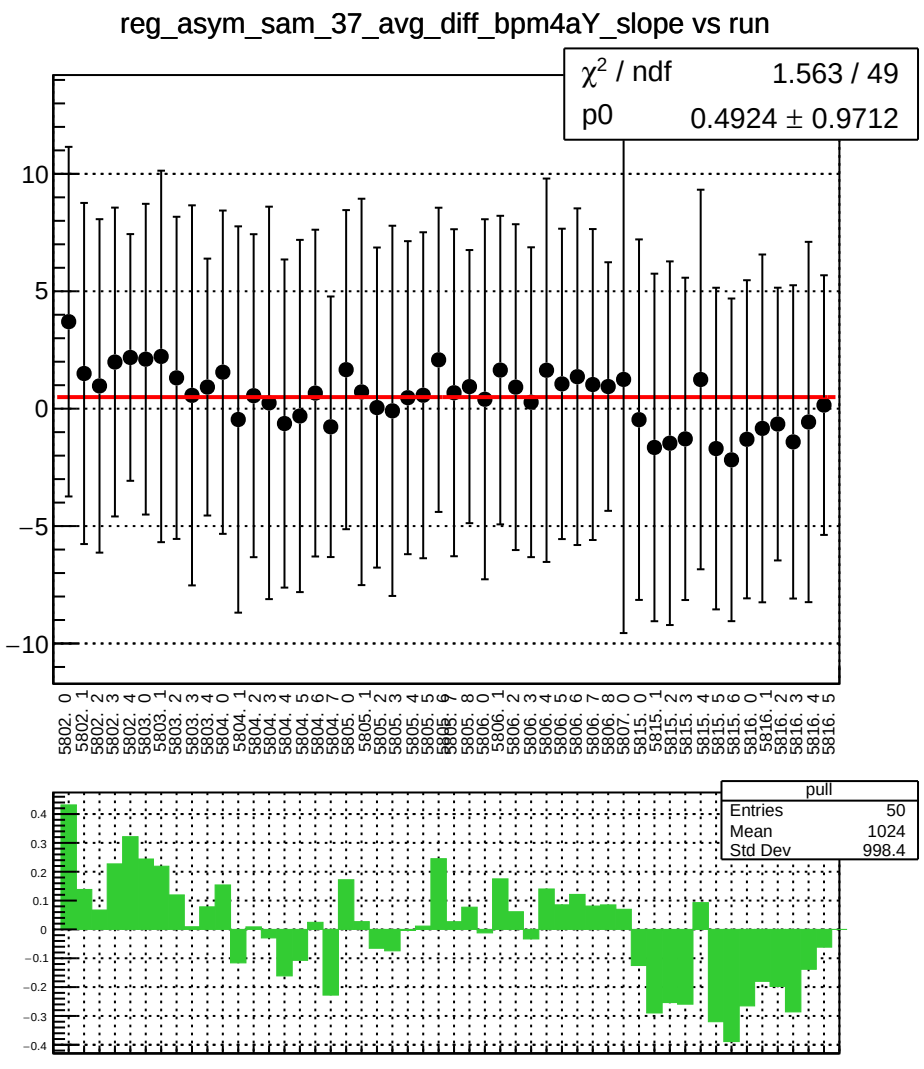

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.002 / 49
p0 −16.35 ± 1.283
pull
Entries 50
Mean −28.61
Std Dev 66.5

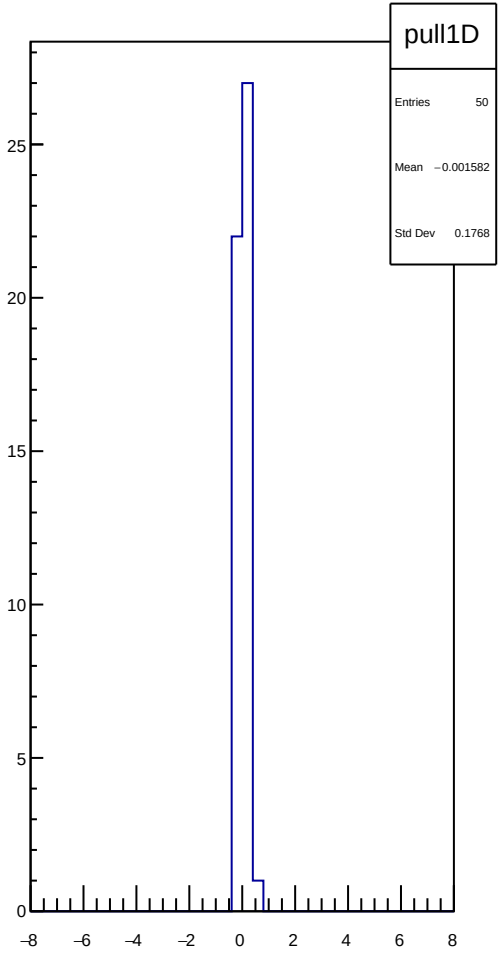

pull1D
Entries 50
Mean 0.01548
Std Dev 0.2825

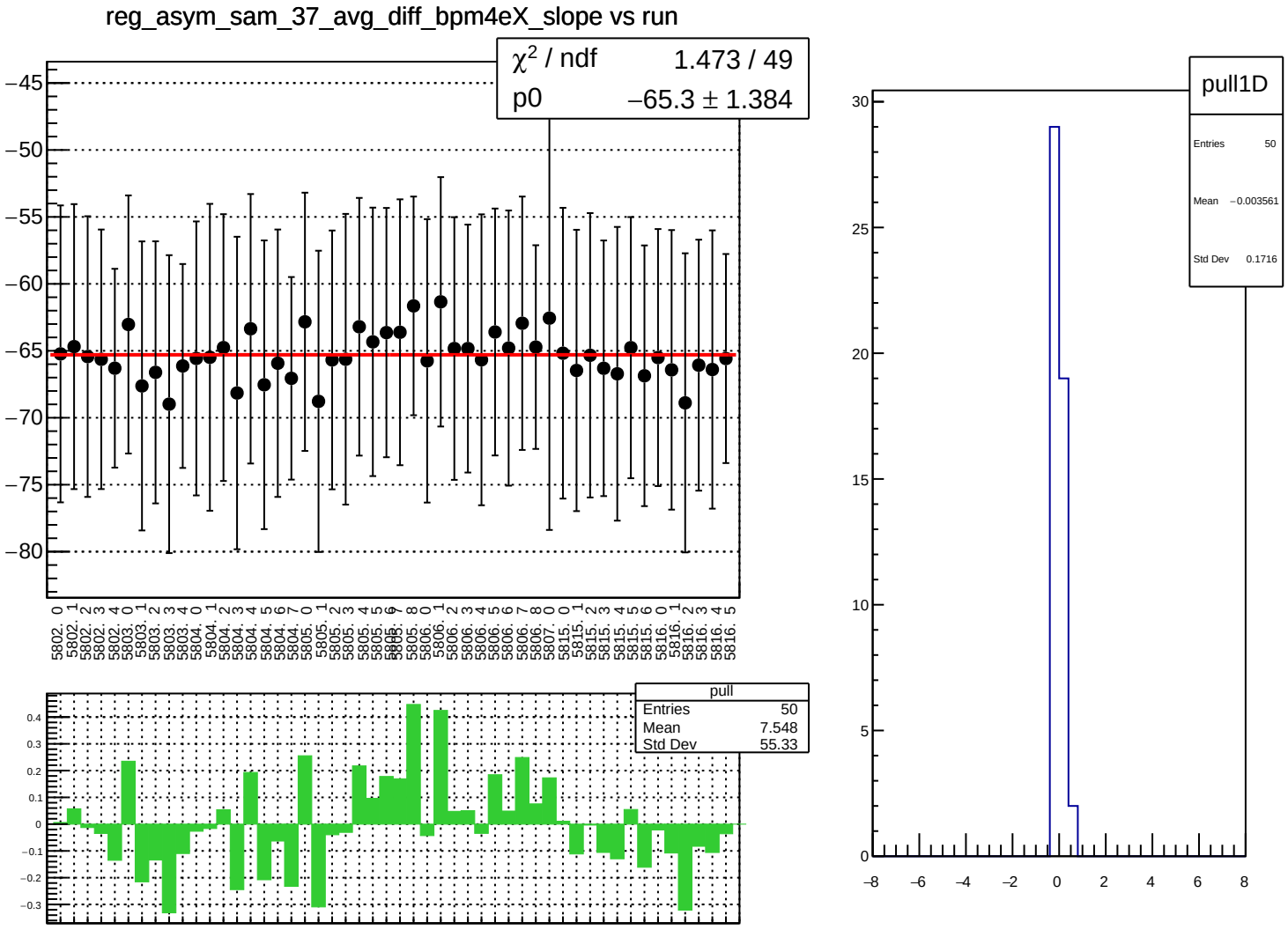

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 1.404 / 49
p0 −0.12 ± 0.07788
pull
Entries 50
Mean 1134
Std Dev 1106

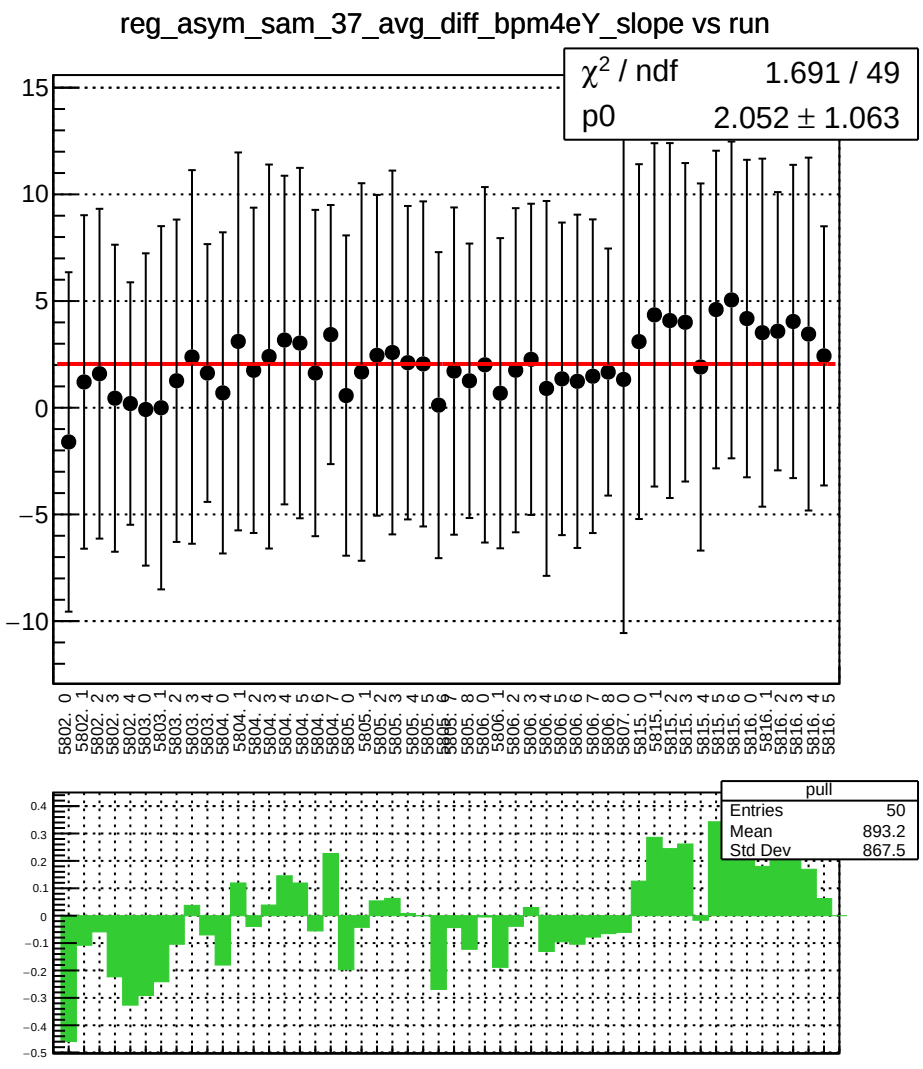

pull1D
Entries 50
Mean −0.001222
Std Dev 0.1676

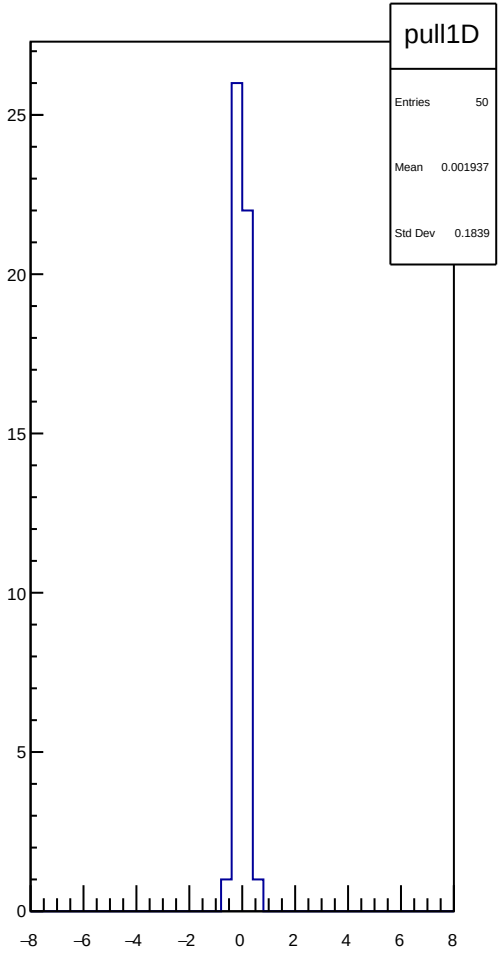

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.274 / 49
p0 −0.1822 ± 1.087
pull
Entries 50
Mean 1356
Std Dev 1295
pull1D
Entries 50
Mean 0.0001775
Std Dev 0.1596

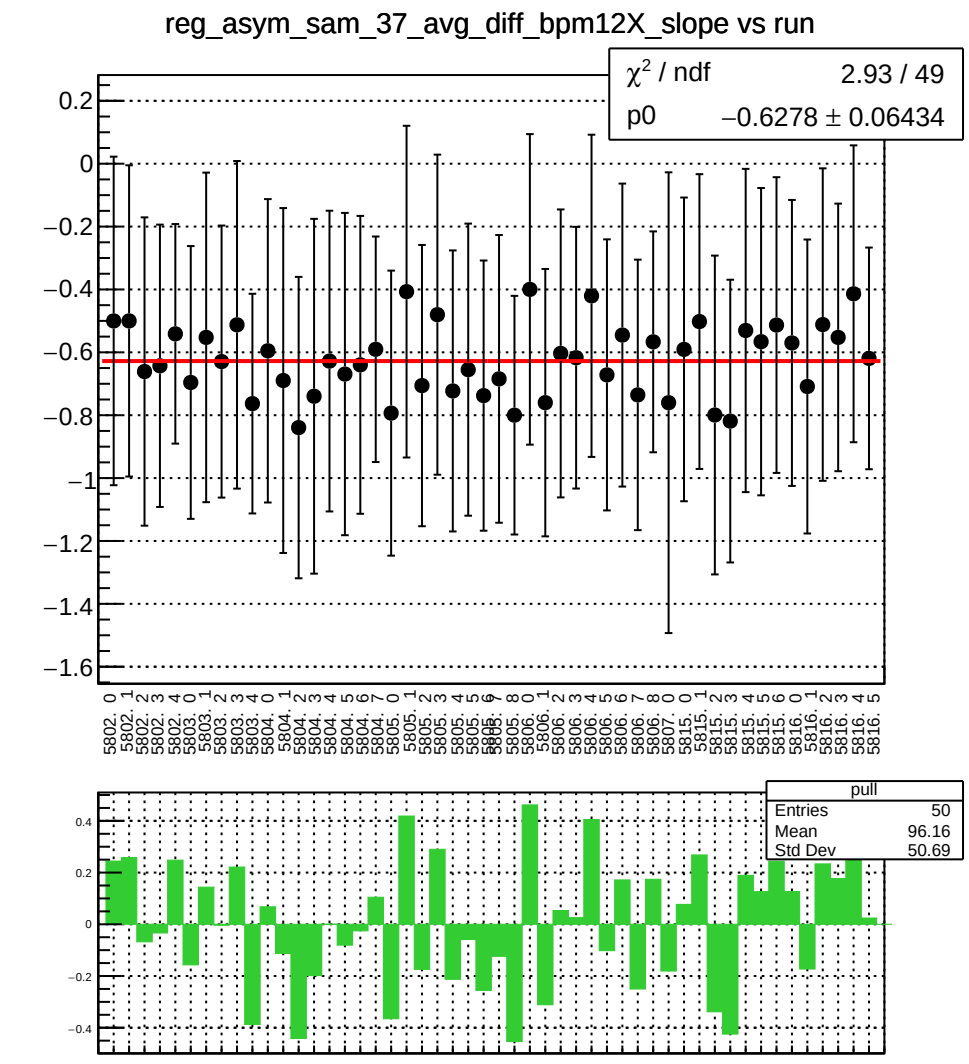

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.563 / 49
p0 0.4924 ± 0.9712
pull
Entries 50
Mean 1024
Std Dev 998.4

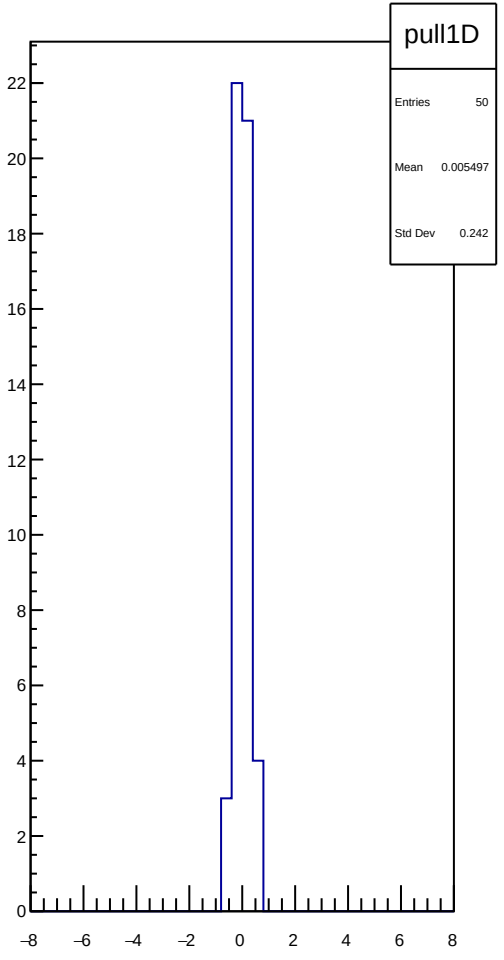

pull1D
Entries 50
Mean −0.001582
Std Dev 0.1768

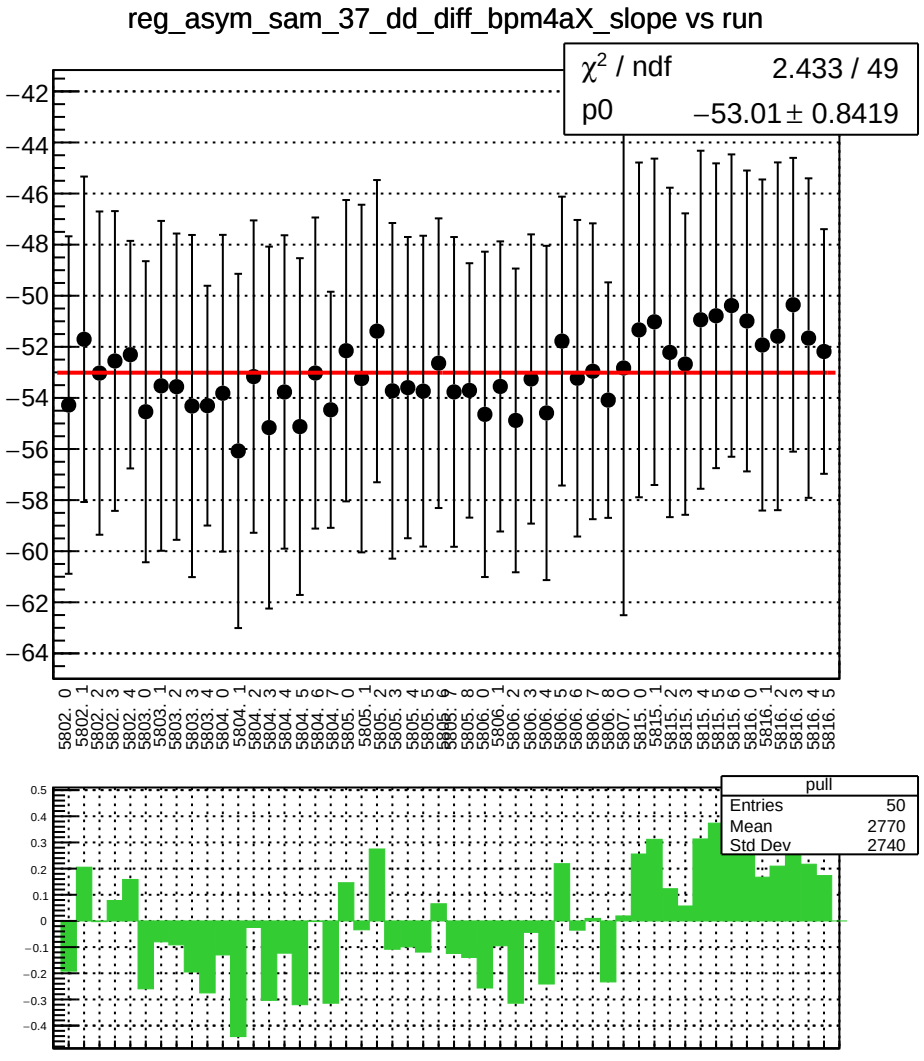

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.473 / 49
p0 −65.3 ± 1.384
pull
Entries 50
Mean 7.548
Std Dev 55.33
pull1D
Entries 50
Mean −0.003561
Std Dev 0.1716

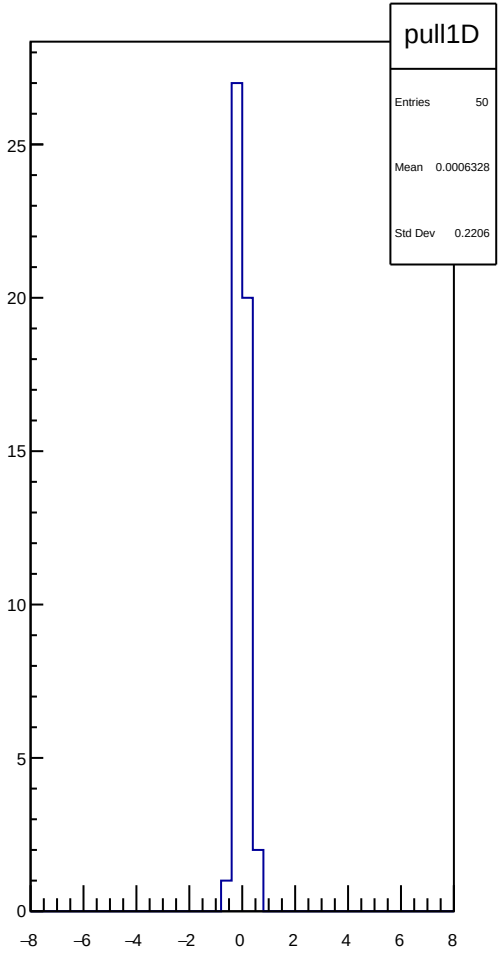

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.691 / 49
p0 2.052 ± 1.063
pull
Entries 50
Mean 893.2
Std Dev 867.5

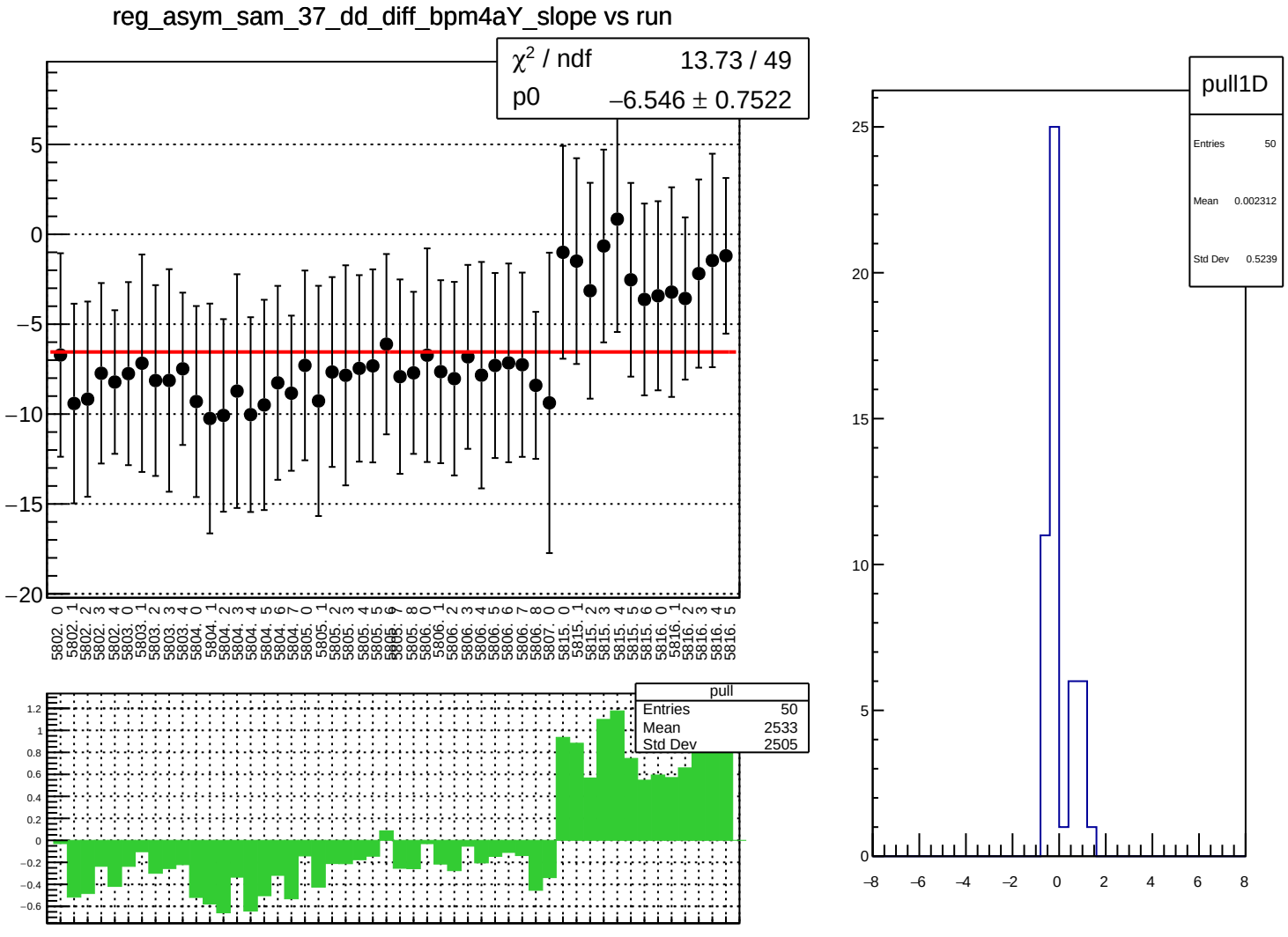

pull1D
Entries 50
Mean 0.001937
Std Dev 0.1839

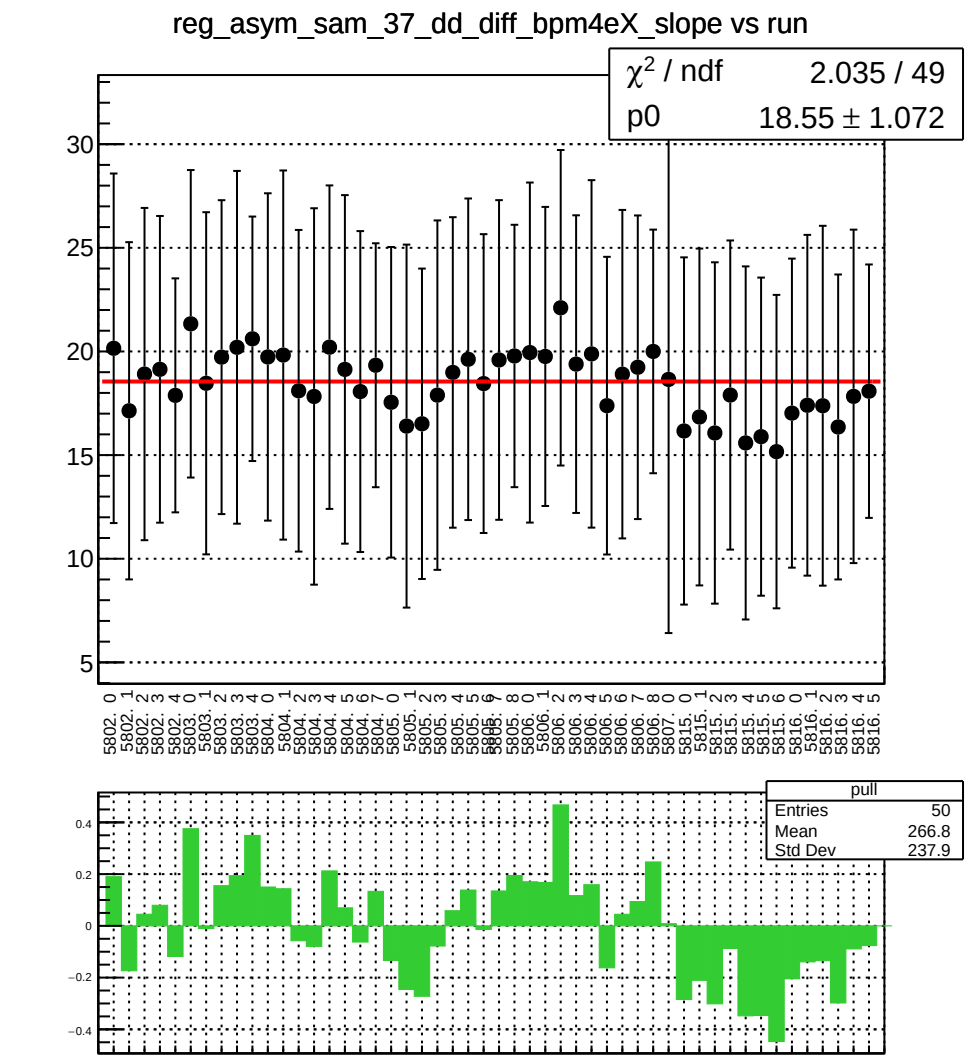

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.93 / 49
p0 −0.6278 ± 0.06434
pull
Entries 50
Mean 96.16
Std Dev 50.69

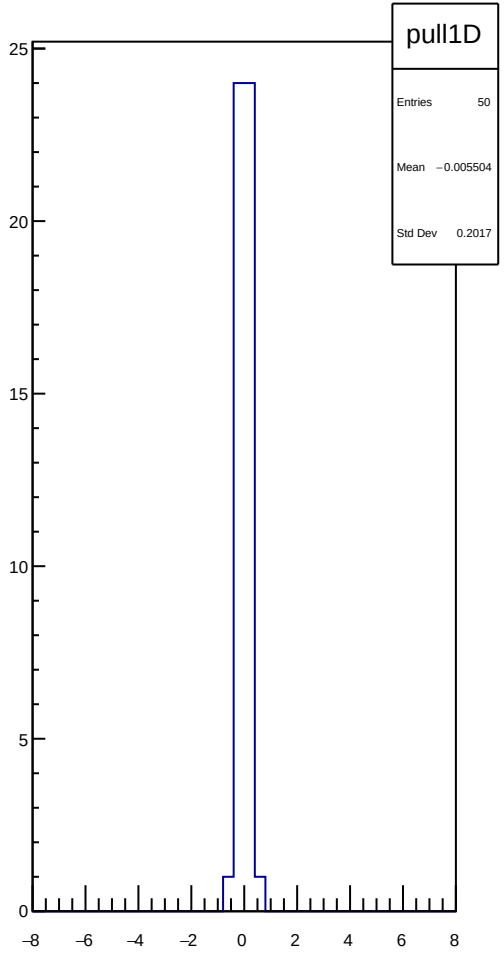

pull1D
Entries 50
Mean 0.005497
Std Dev 0.242

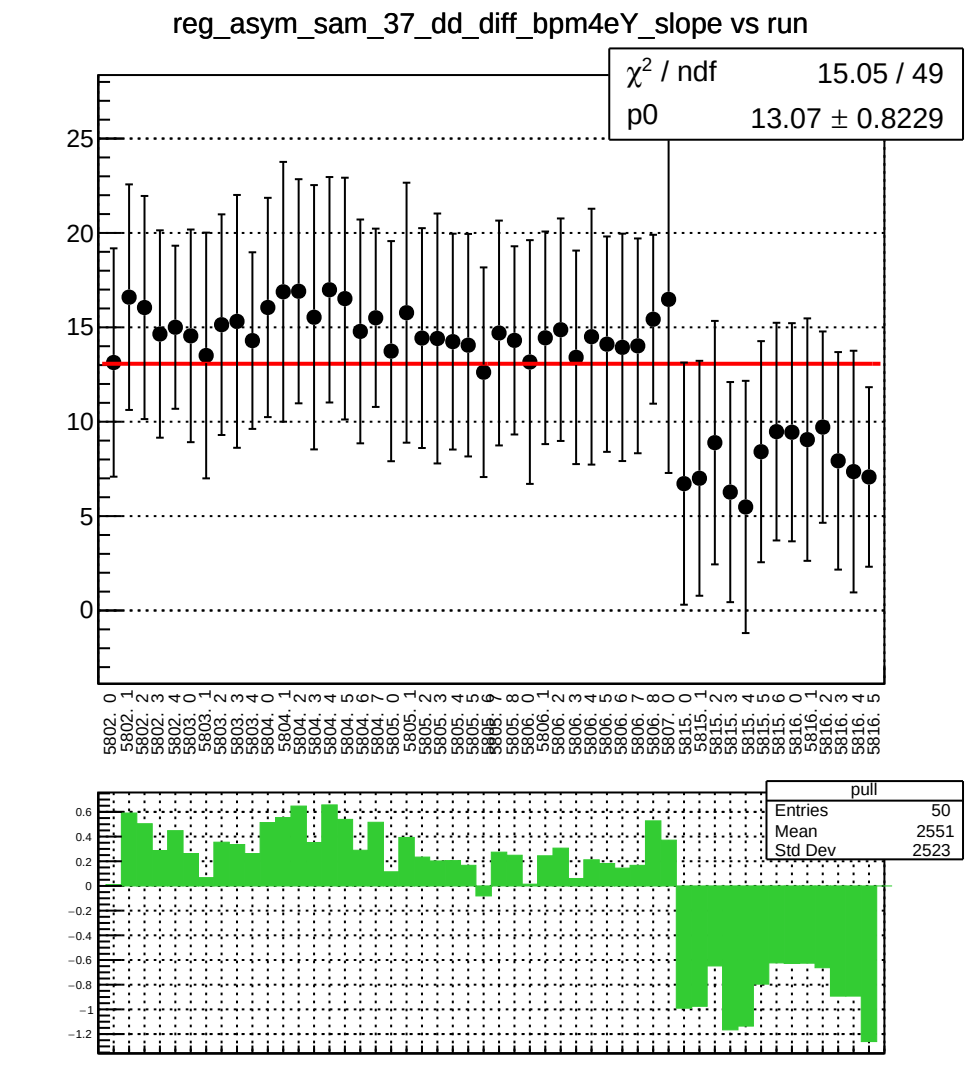

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.433 / 49
p0 −53.01 ± 0.8419
pull
Entries 50
Mean 2770
Std Dev 2740

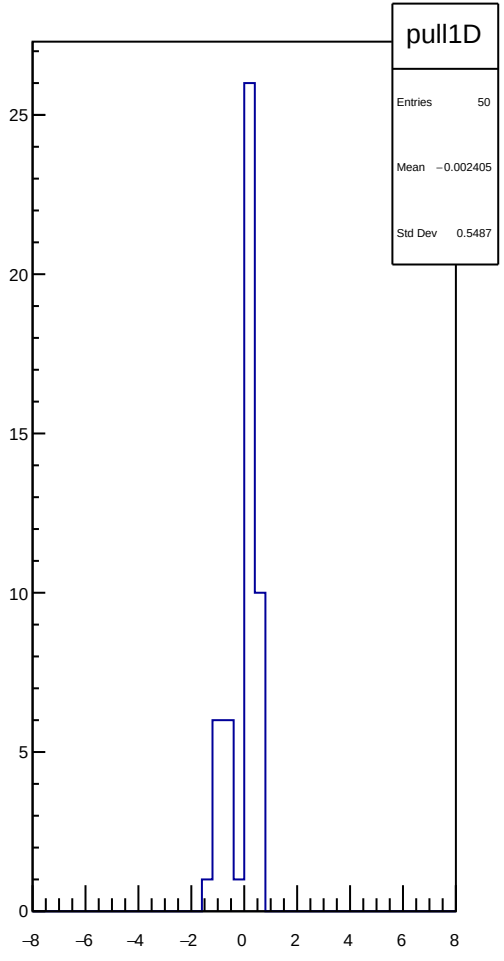

pull1D
Entries 50
Mean 0.0006328
Std Dev 0.2206

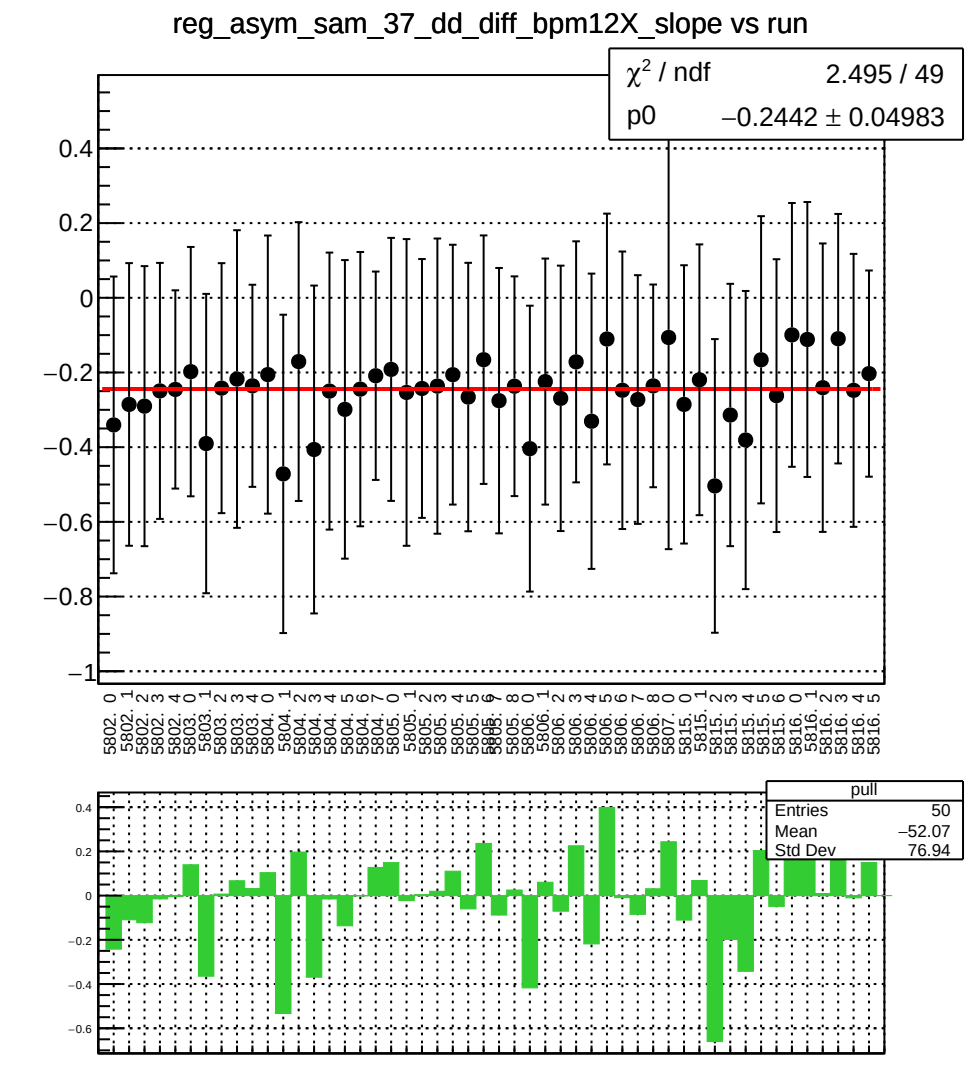

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.73 / 49
p0 −6.546 ± 0.7522
pull
Entries 50
Mean 2533
Std Dev 2505
pull1D
Entries 50
Mean 0.002312
Std Dev 0.5239

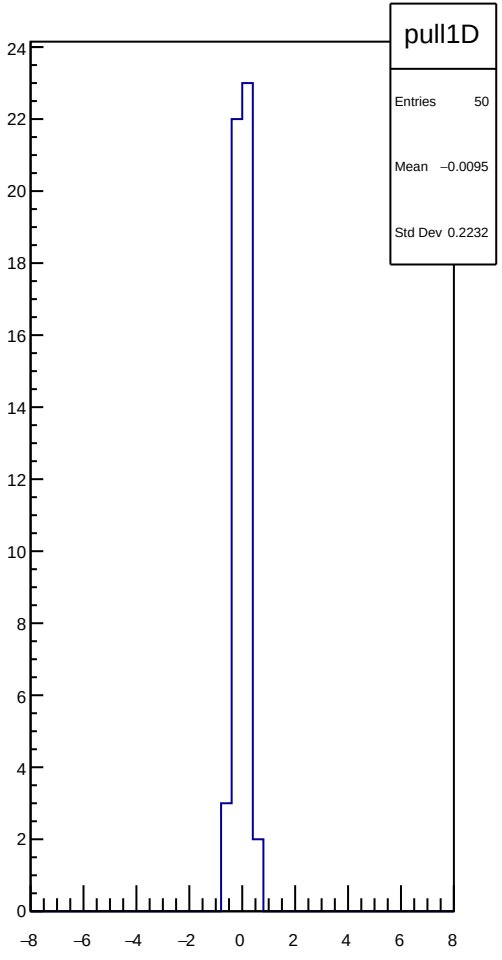

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.035 / 49
p0 18.55 ± 1.072
pull
Entries 50
Mean 266.8
Std Dev 237.9

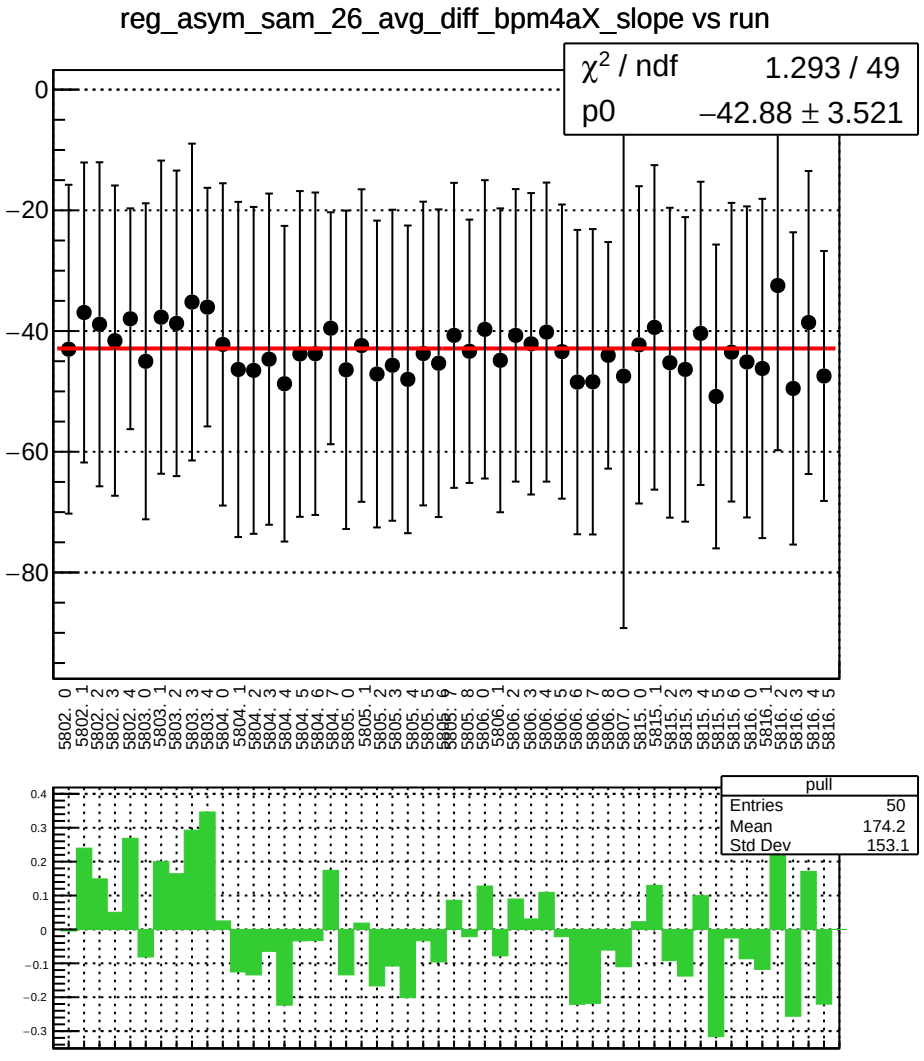

pull1D
Entries 50
Mean −0.005504
Std Dev 0.2017

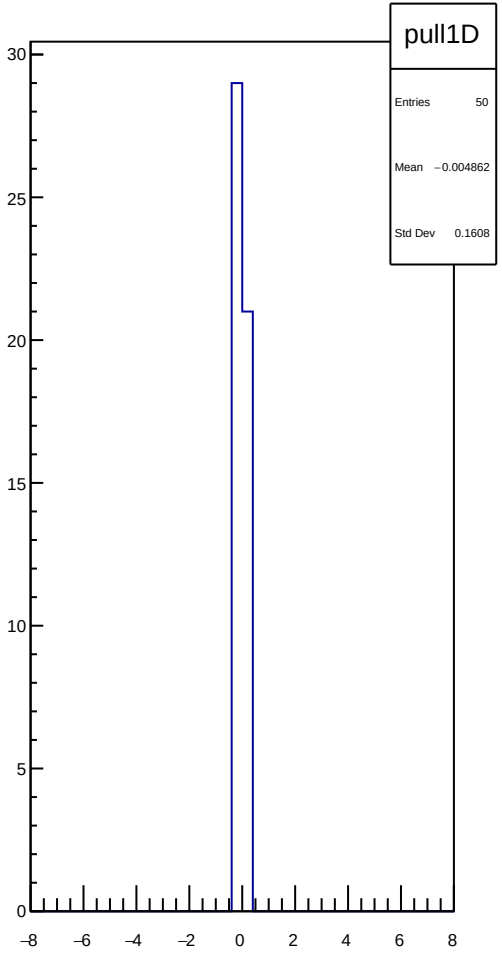

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.05 / 49
p0 13.07 ± 0.8229
pull
Entries 50
Mean 2551
Std Dev 2523

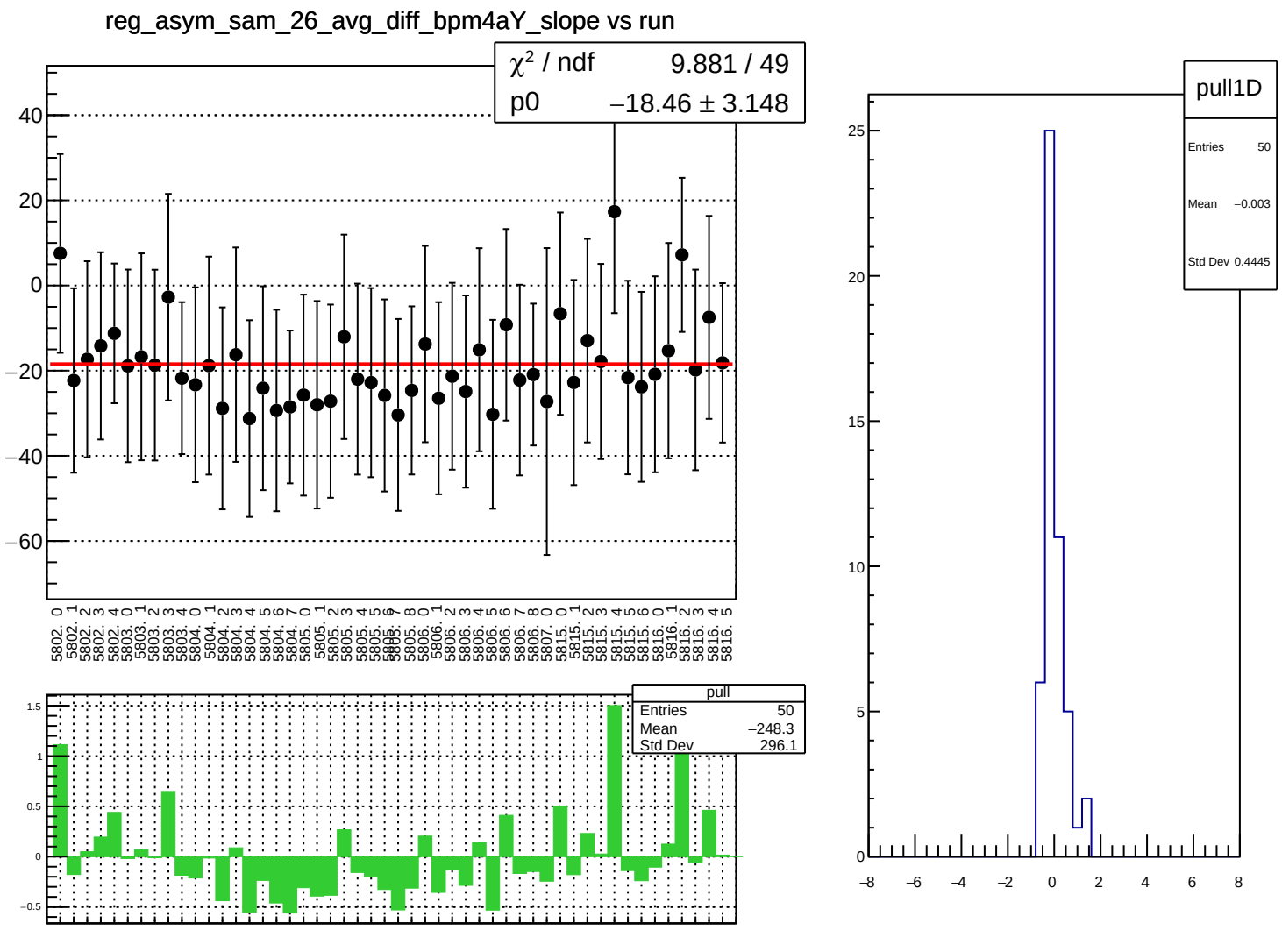

pull1D
Entries 50
Mean −0.002405
Std Dev 0.5487

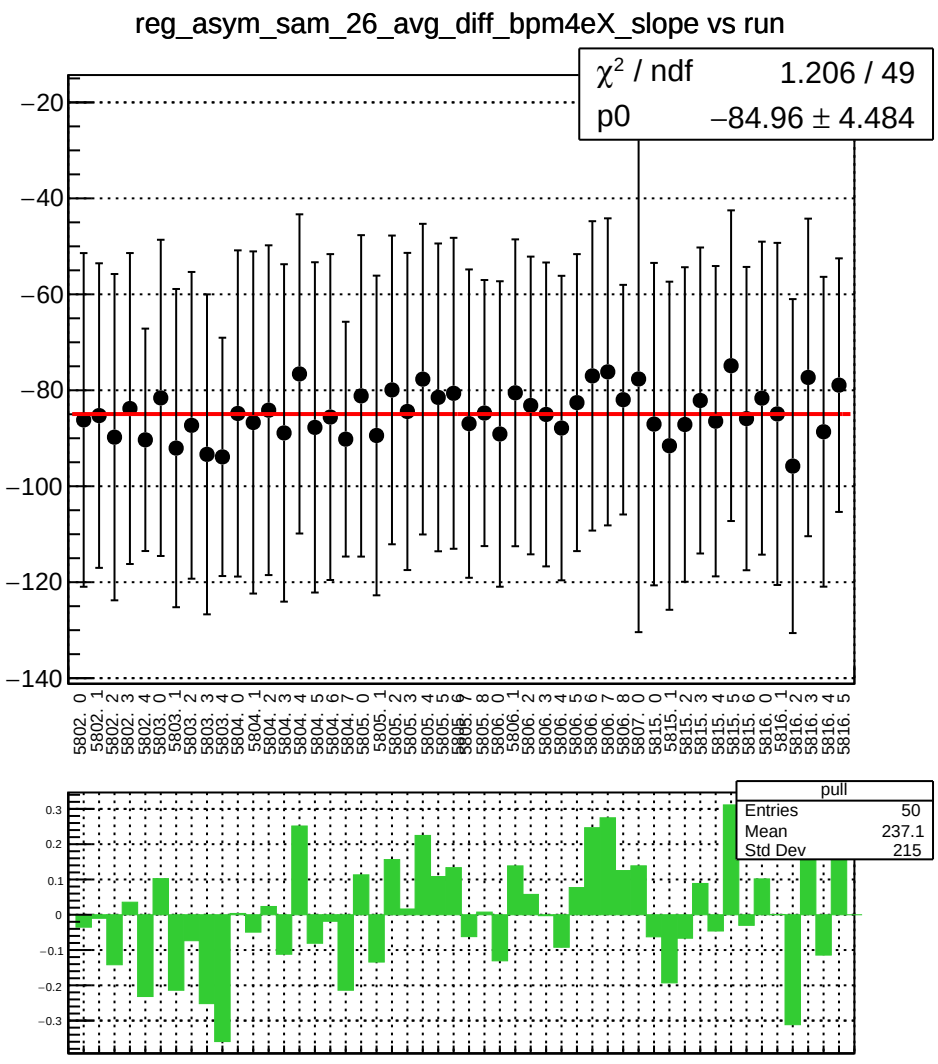

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.495 / 49
p0 −0.2442 ± 0.04983
pull
Entries 50
Mean −52.07
Std Dev 76.94

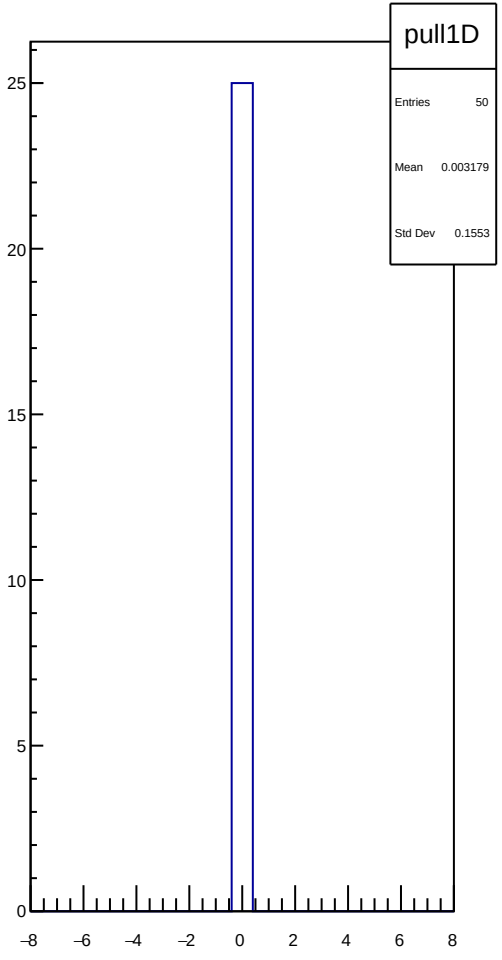

pull1D
Entries 50
Mean −0.0095
Std Dev 0.2232

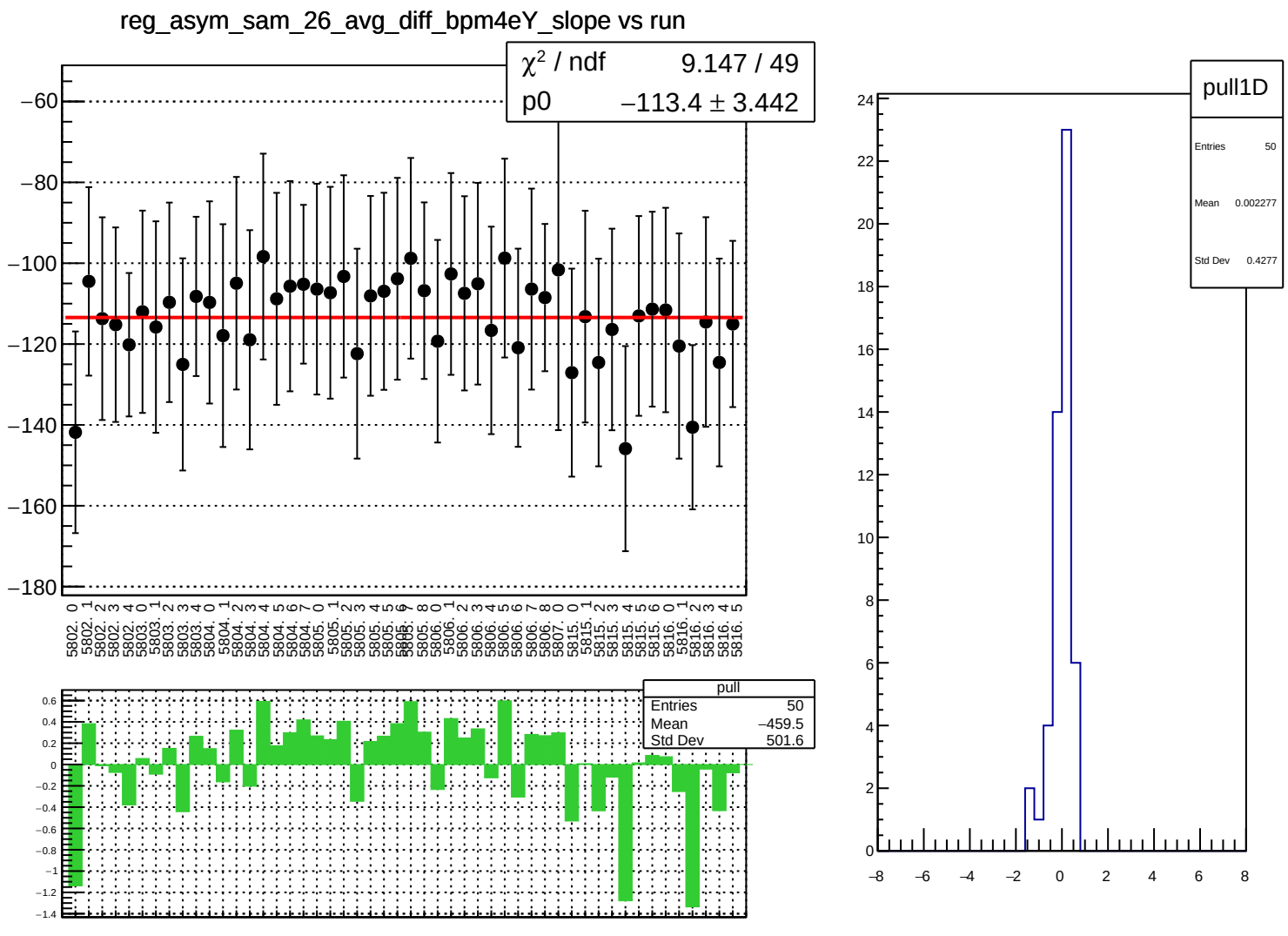

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.293 / 49
p0 −42.88 ± 3.521
pull
Entries 50
Mean 174.2
Std Dev 153.1

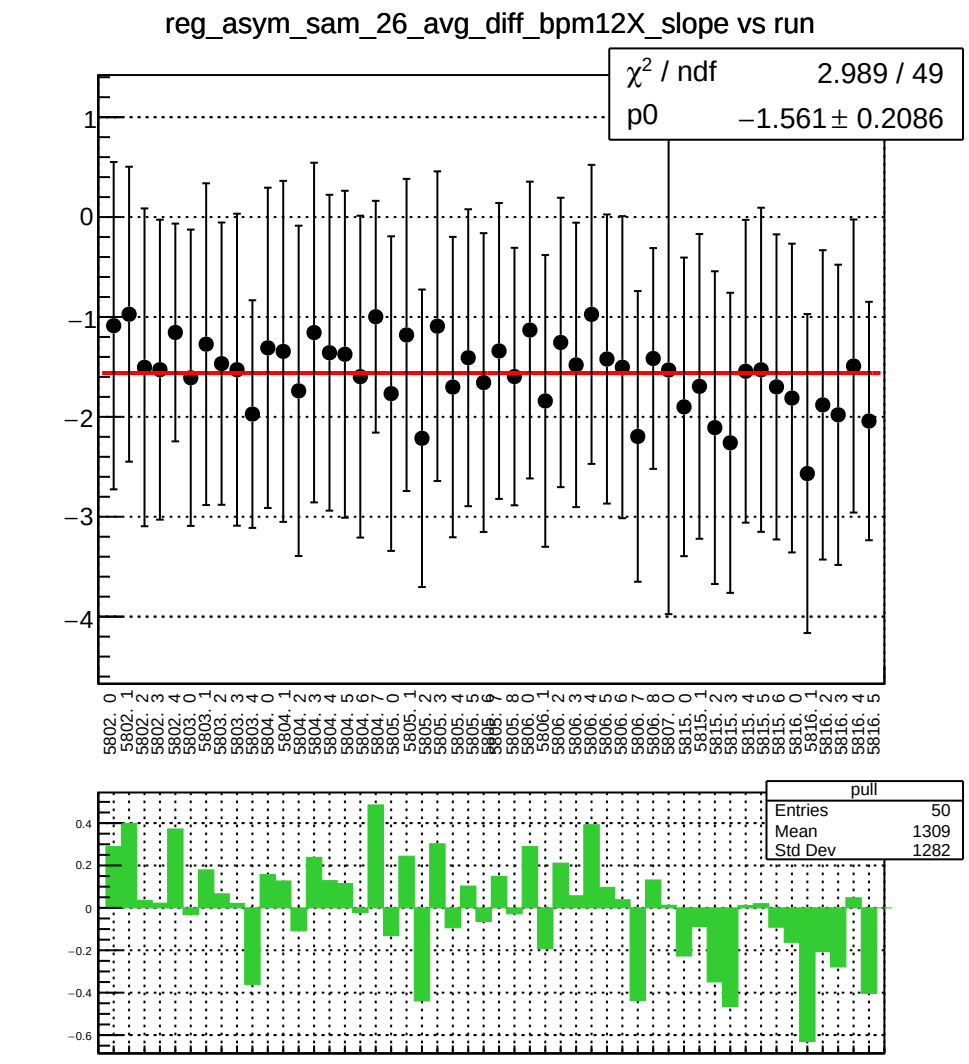

pull1D
Entries 50
Mean −0.004862
Std Dev 0.1608

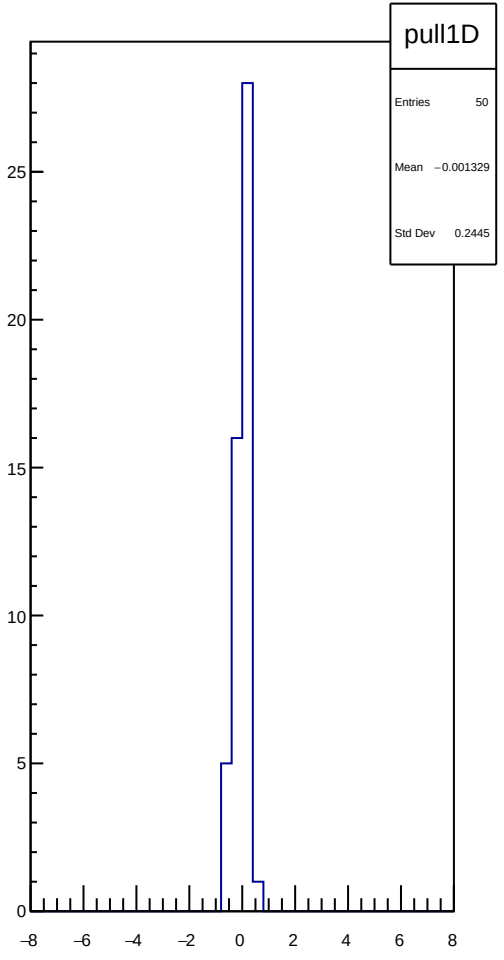

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.881 / 49
p0 −18.46 ± 3.148
pull
Entries 50
Mean −248.3
Std Dev 296.1
pull1D
Entries 50
Mean −0.003
Std Dev 0.4445

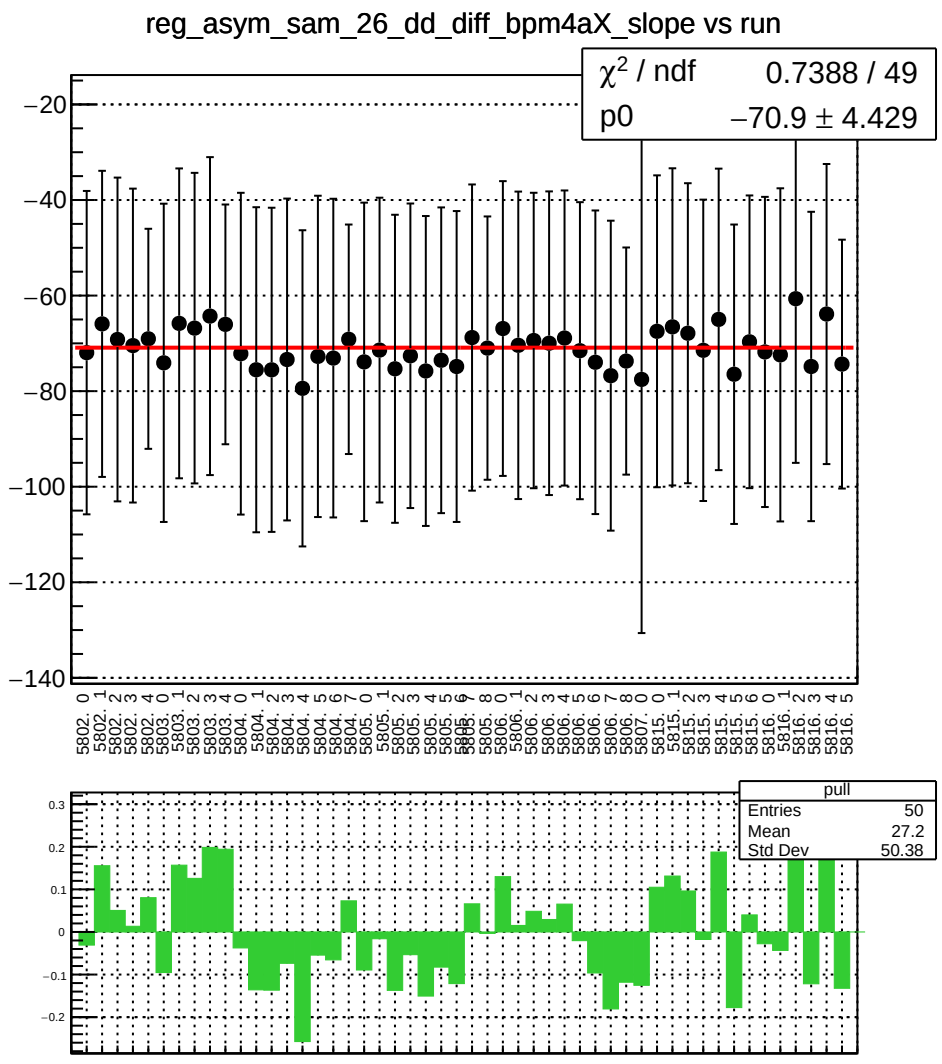

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.206 / 49
p0 −84.96 ± 4.484
pull
Entries 50
Mean 237.1
Std Dev 215

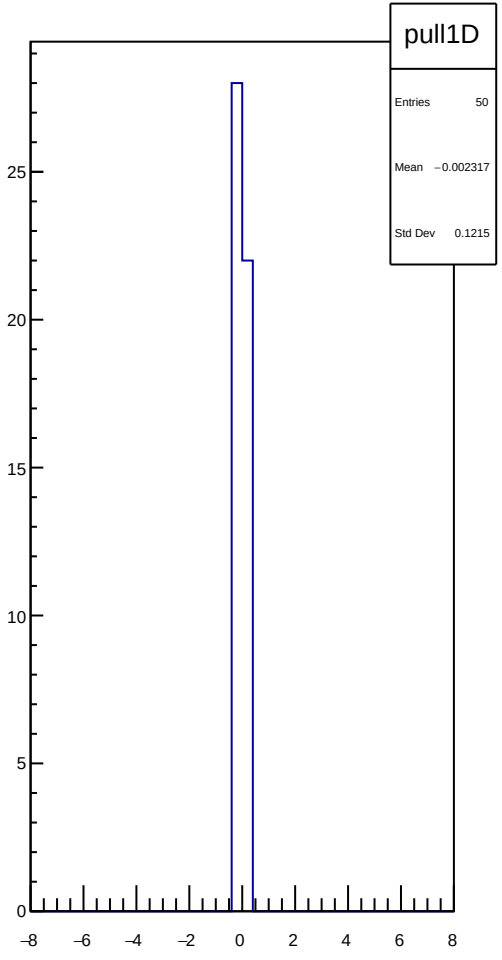

pull1D
Entries 50
Mean 0.003179
Std Dev 0.1553

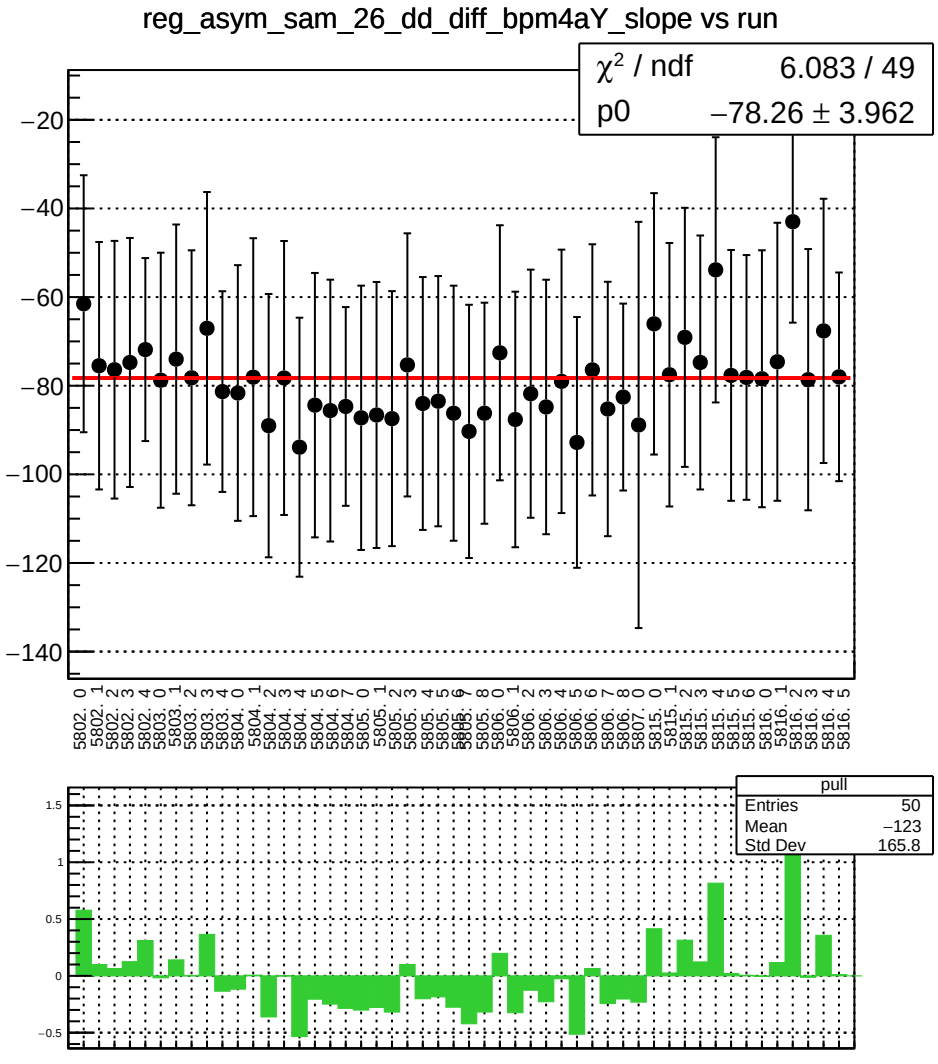

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.147 / 49
p0 −113.4 ± 3.442
pull
Entries 50
Mean −459.5
Std Dev 501.6
pull1D
Entries 50
Mean 0.002277
Std Dev 0.4277

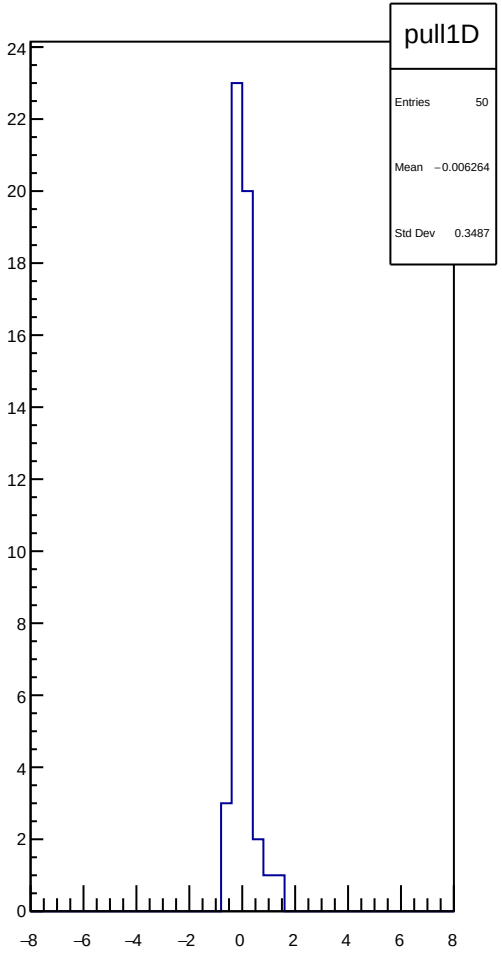

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 2.989 / 49
p0 −1.561 ± 0.2086
pull
Entries 50
Mean 1309
Std Dev 1282

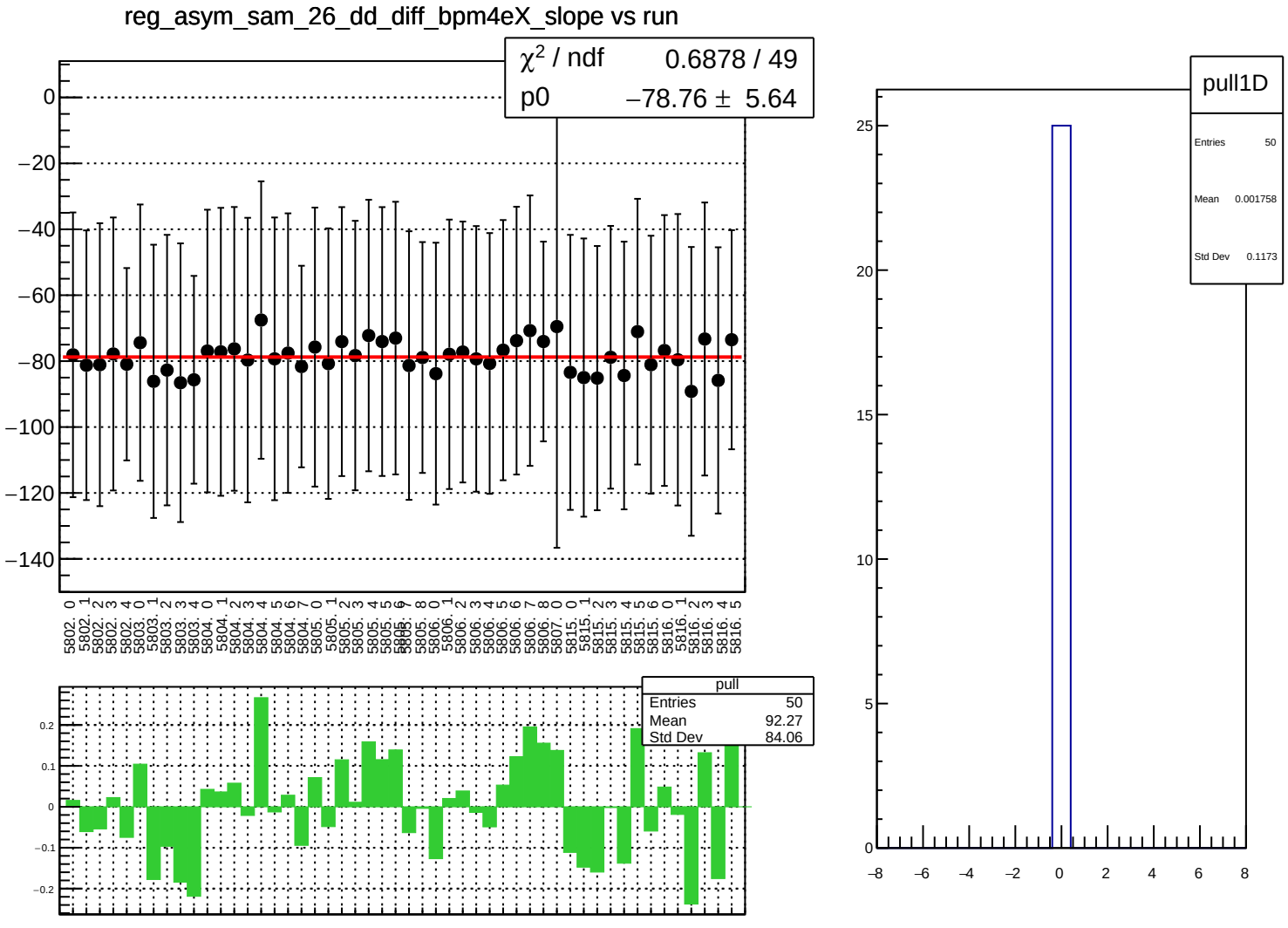

pull1D
Entries 50
Mean −0.001329
Std Dev 0.2445

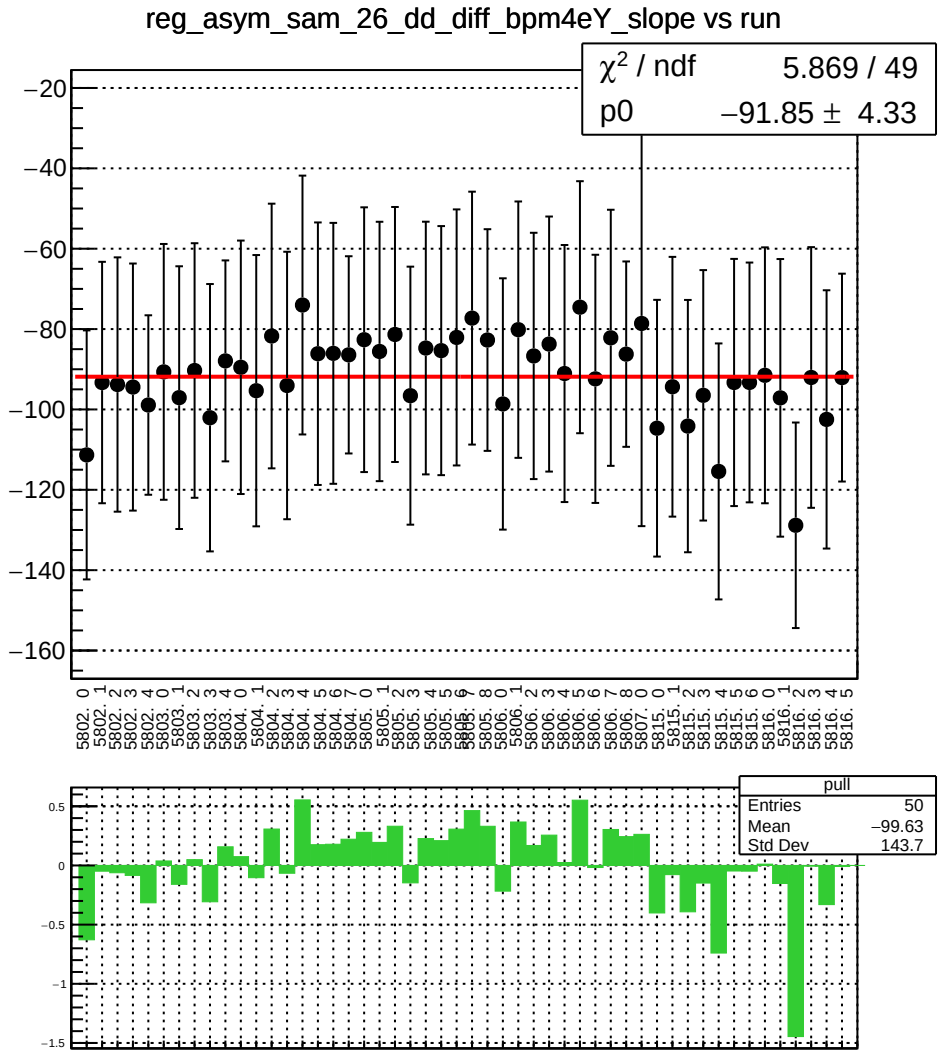

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.7388 / 49
p0 −70.9 ± 4.429
pull
Entries 50
Mean 27.2
Std Dev 50.38

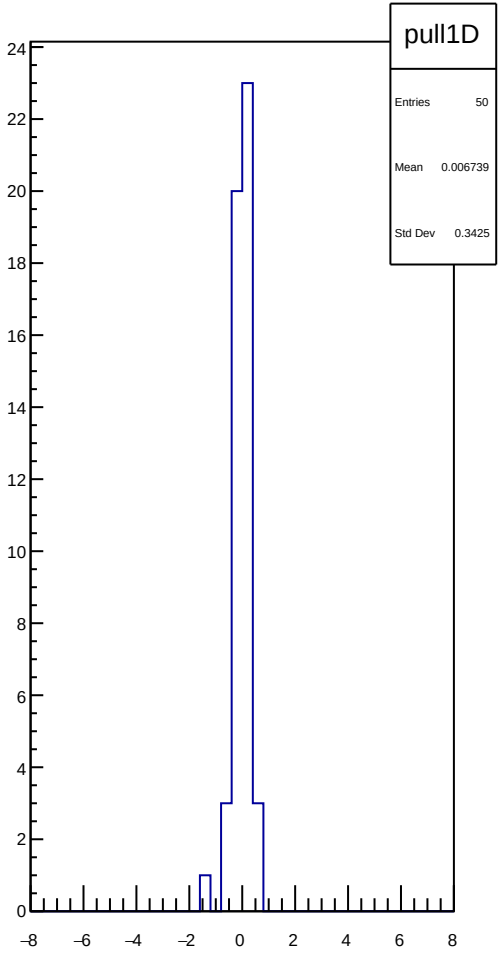

pull1D
Entries 50
Mean −0.002317
Std Dev 0.1215

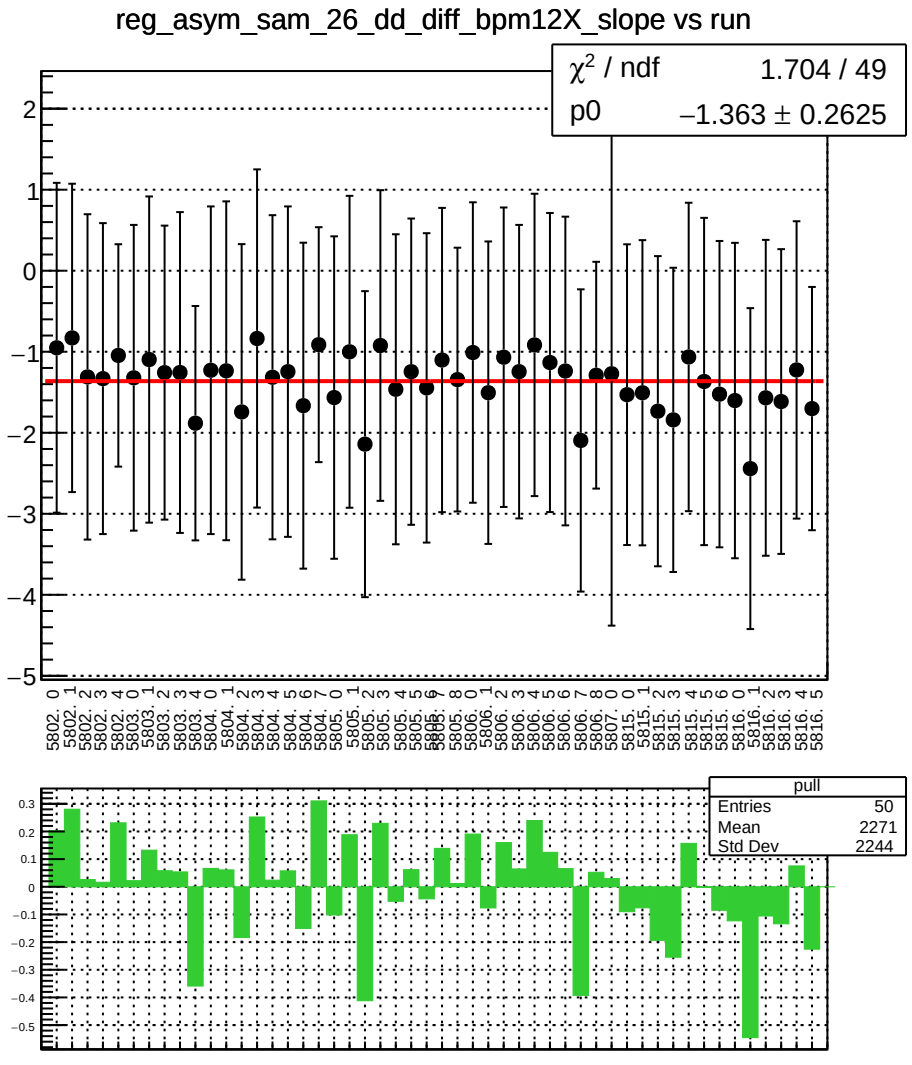

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.083 / 49
p0 −78.26 ± 3.962
pull
Entries 50
Mean −123
Std Dev 165.8

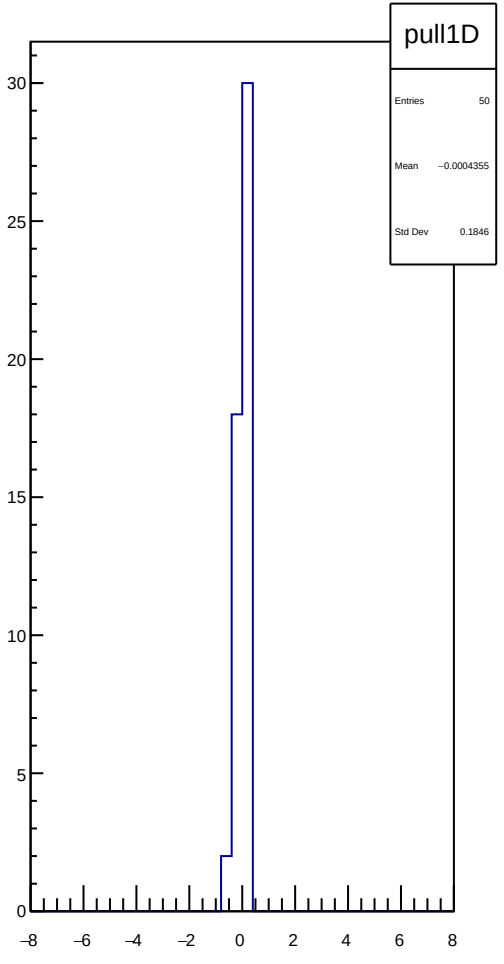

pull1D
Entries 50
Mean −0.006264
Std Dev 0.3487

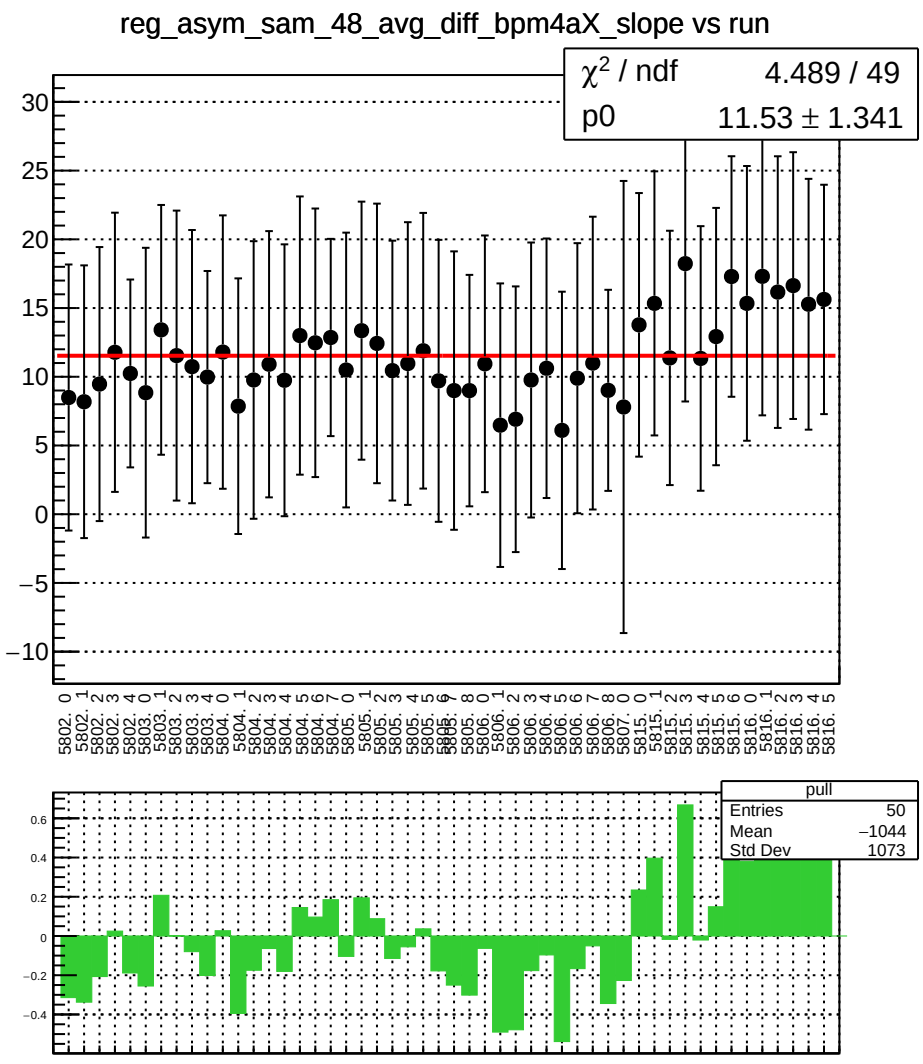

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6878 / 49
p0 −78.76 ± 5.64
pull
Entries 50
Mean 92.27
Std Dev 84.06
pull1D
Entries 50
Mean 0.001758
Std Dev 0.1173

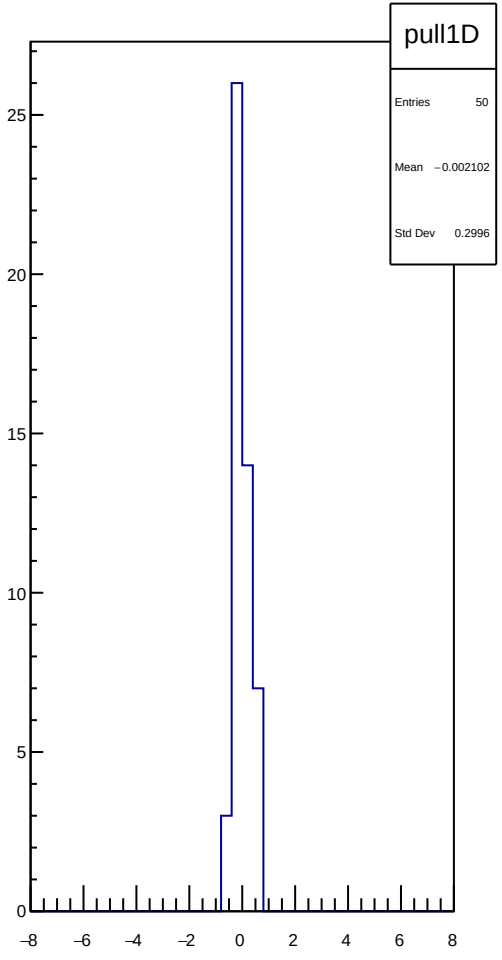

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.869 / 49
p0 −91.85 ± 4.33
pull
Entries 50
Mean −99.63
Std Dev 143.7

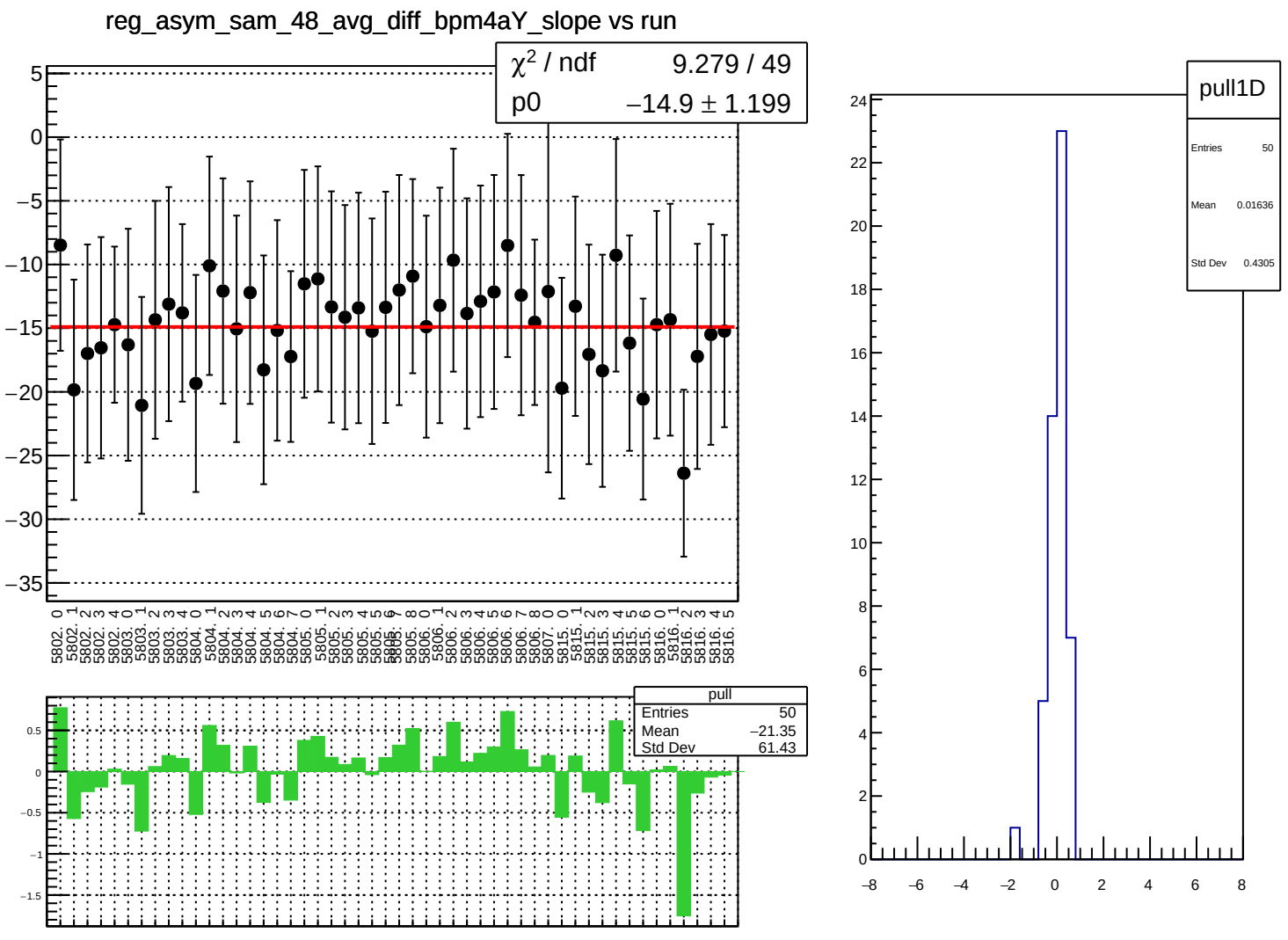

pull1D
Entries 50
Mean 0.006739
Std Dev 0.3425

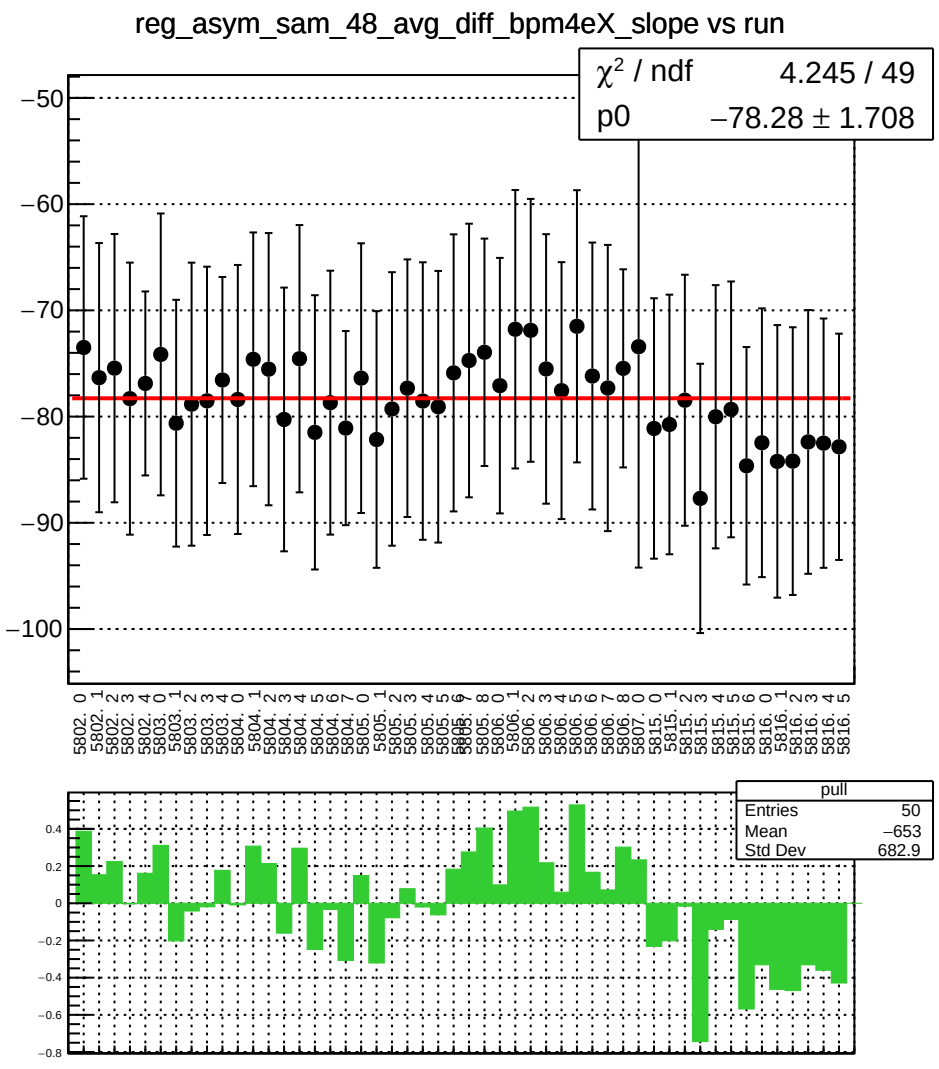

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.704 / 49
p0 −1.363 ± 0.2625
pull
Entries 50
Mean 2271
Std Dev 2244

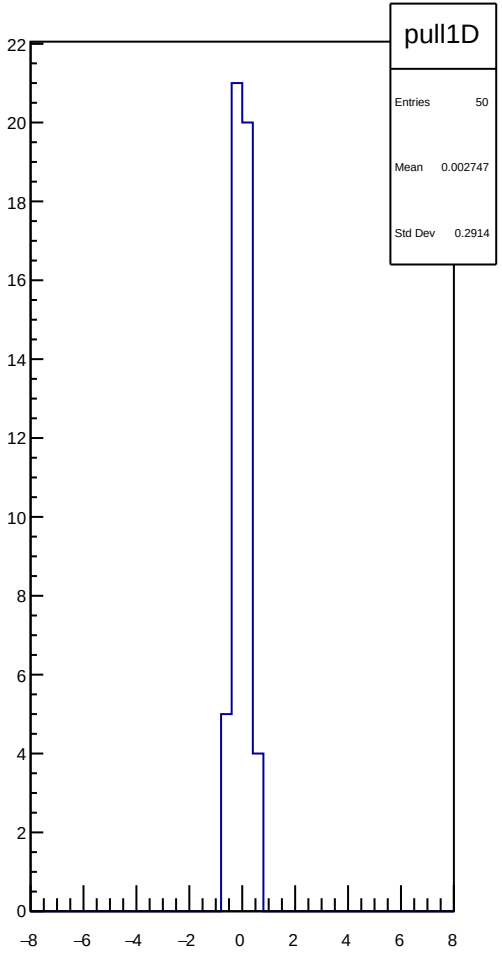

pull1D
Entries 50
Mean −0.0004355
Std Dev 0.1846

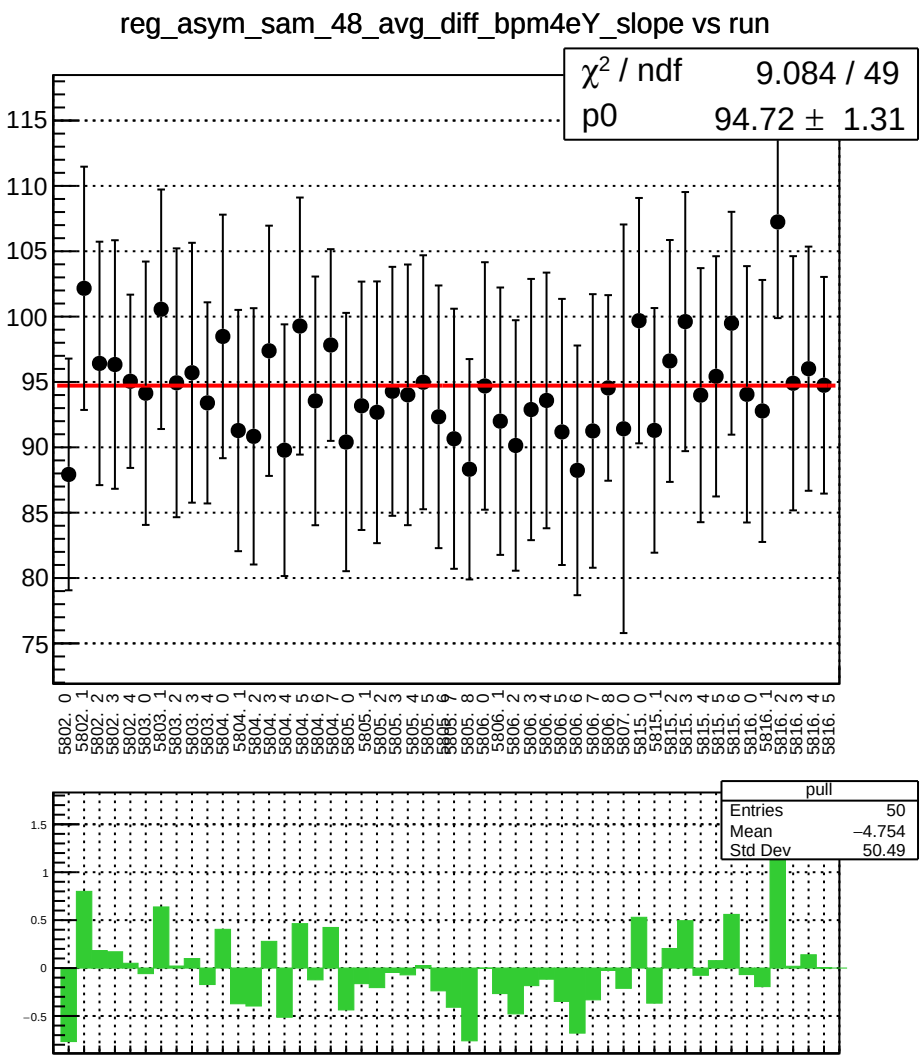

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.489 / 49
p0 11.53 ± 1.341
pull
Entries 50
Mean −1044
Std Dev 1073

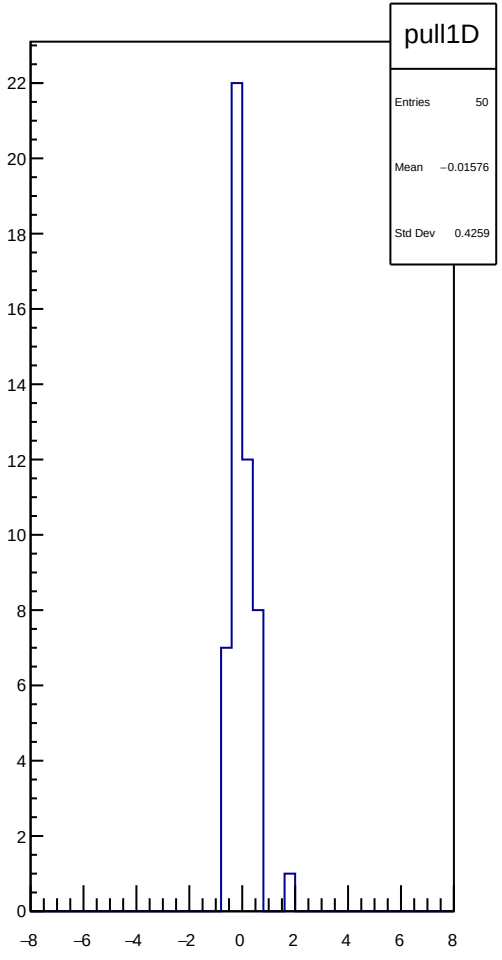

pull1D
Entries 50
Mean −0.002102
Std Dev 0.2996

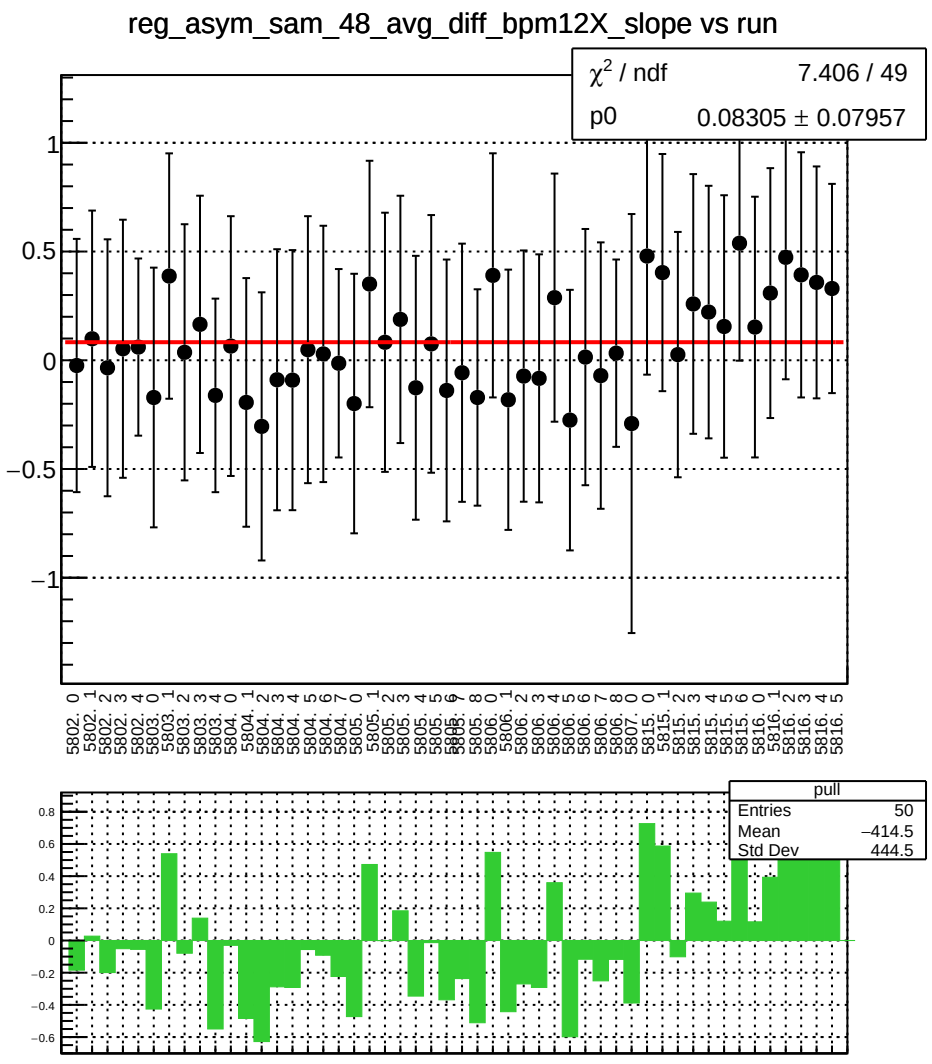

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.279 / 49
p0 −14.9 ± 1.199
pull
Entries 50
Mean −21.35
Std Dev 61.43
pull1D
Entries 50
Mean 0.01636
Std Dev 0.4305

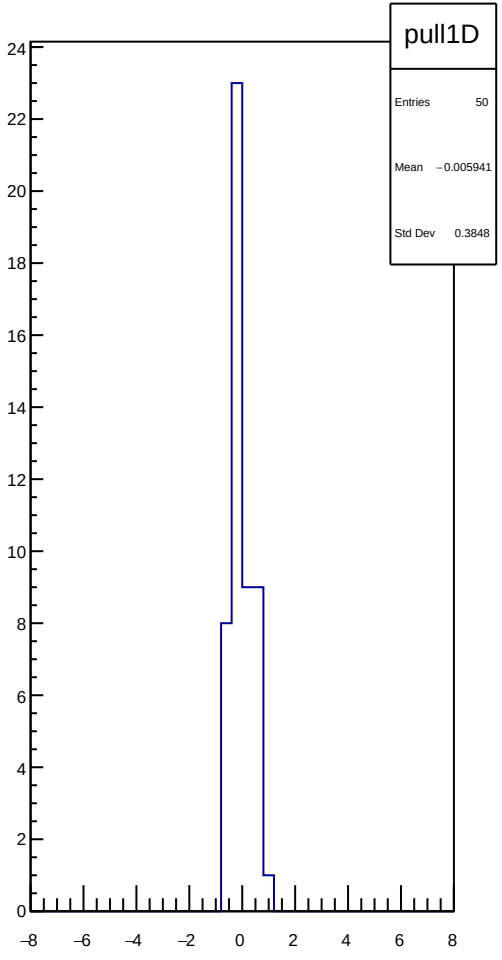

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.245 / 49
p0 −78.28 ± 1.708
pull
Entries 50
Mean −653
Std Dev 682.9

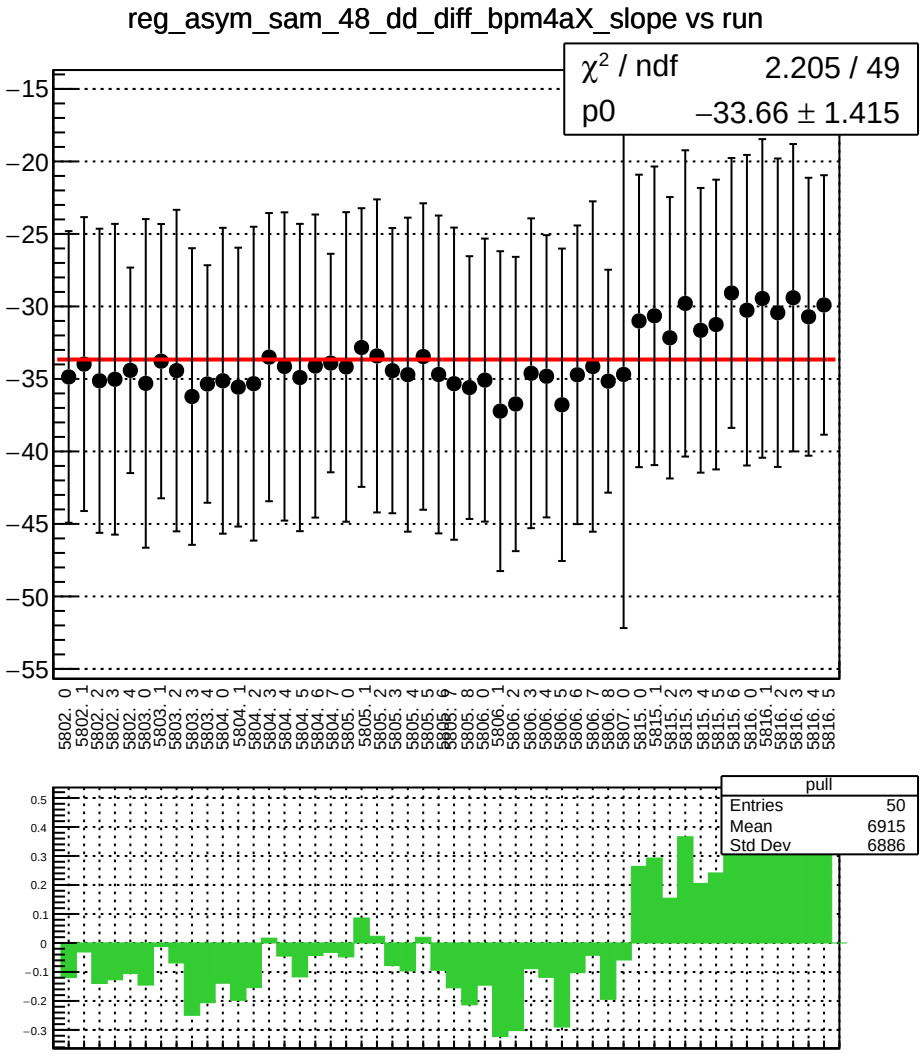

pull1D
Entries 50
Mean 0.002747
Std Dev 0.2914

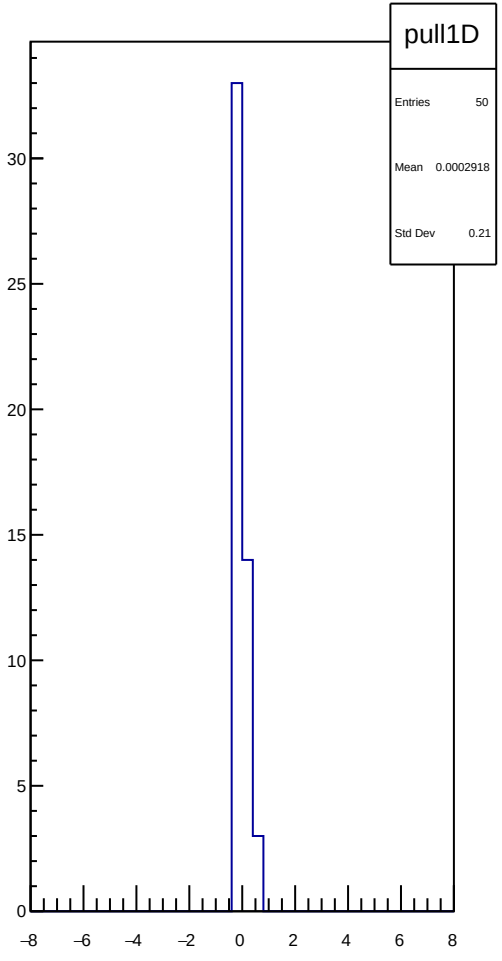

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.084 / 49
p0 94.72 ± 1.31
pull
Entries 50
Mean −4.754
Std Dev 50.49

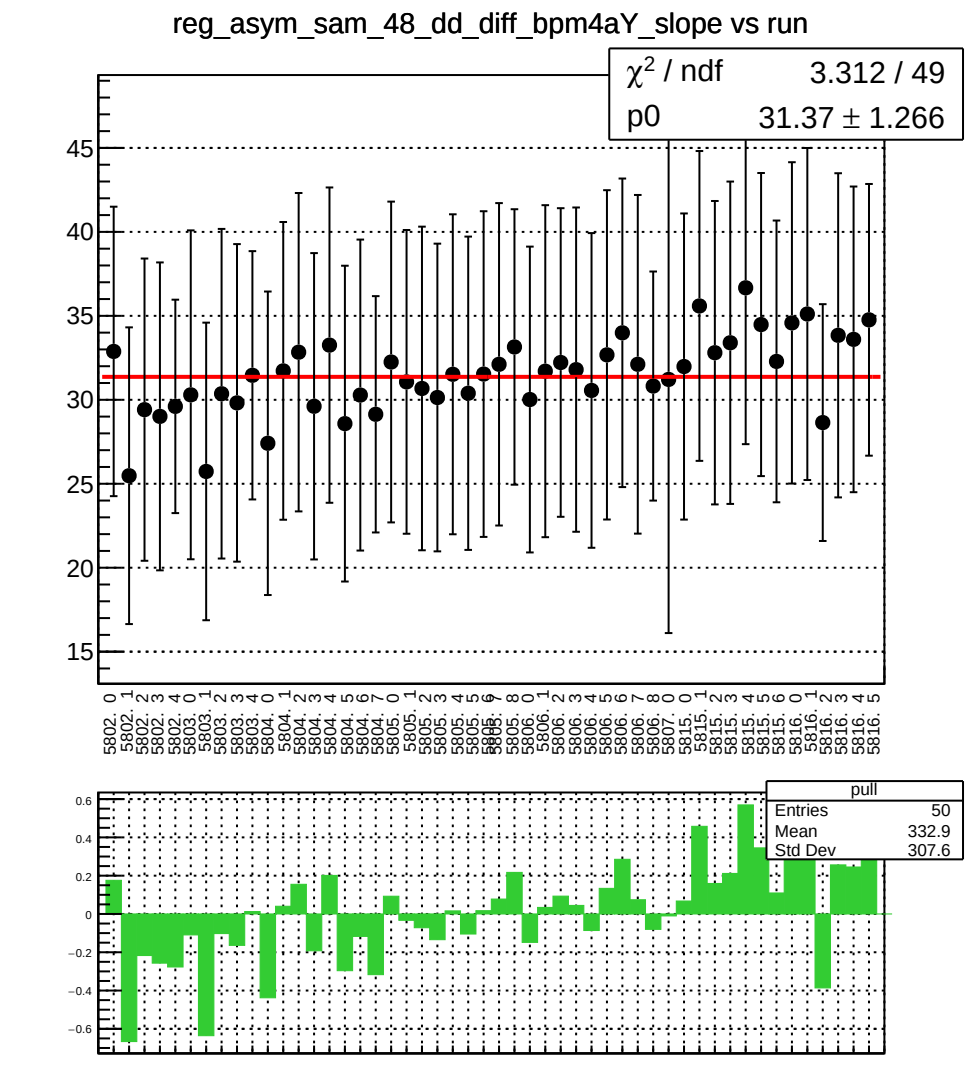

pull1D
Entries 50
Mean −0.01576
Std Dev 0.4259

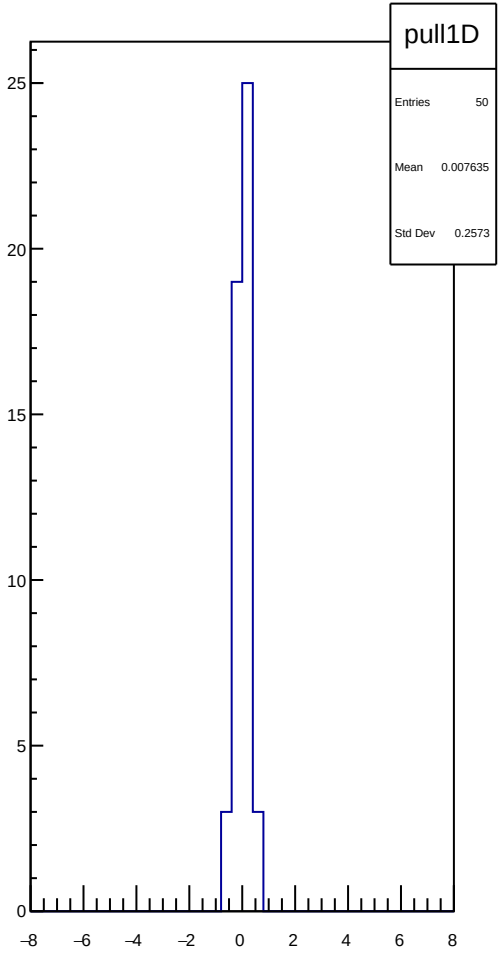

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 7.406 / 49
p0 0.08305 ± 0.07957
pull
Entries 50
Mean −414.5
Std Dev 444.5

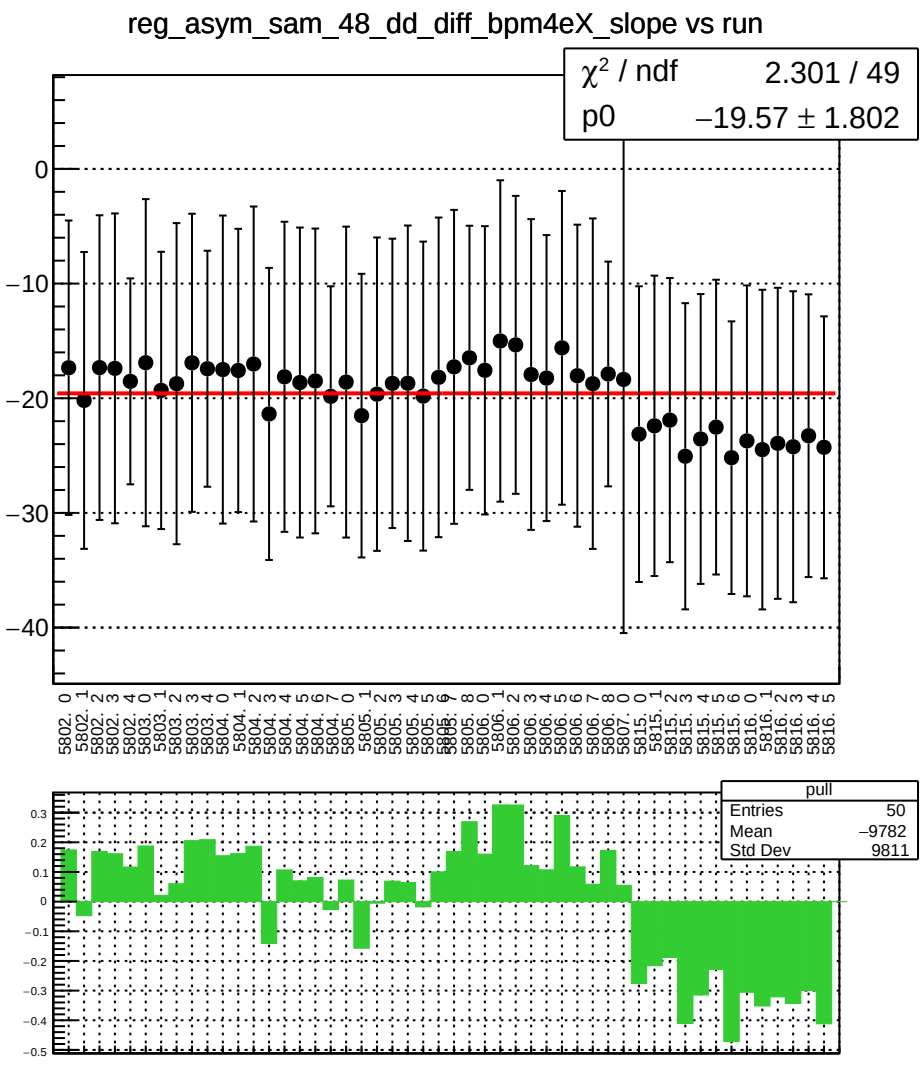

pull1D
Entries 50
Mean −0.005941
Std Dev 0.3848

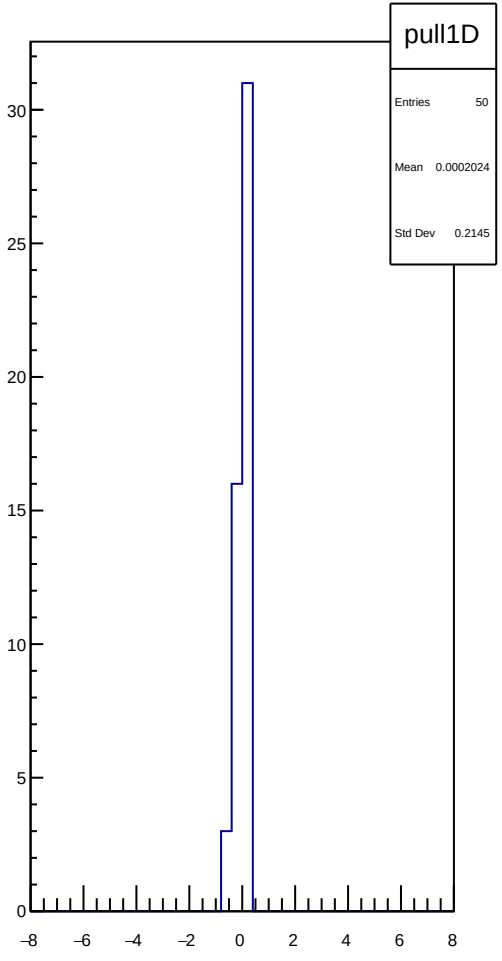

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.205 / 49
p0 −33.66 ± 1.415
pull
Entries 50
Mean 6915
Std Dev 6886

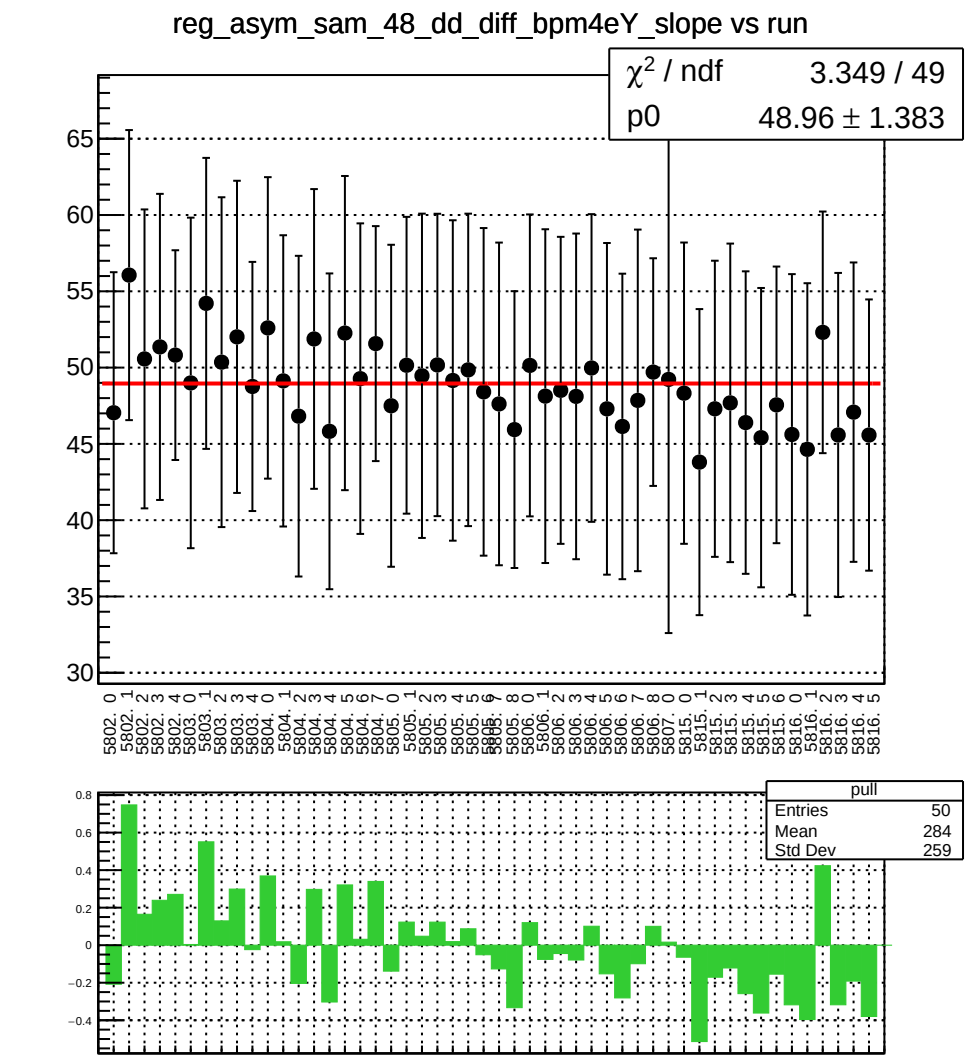

pull1D
Entries 50
Mean 0.0002918
Std Dev 0.21

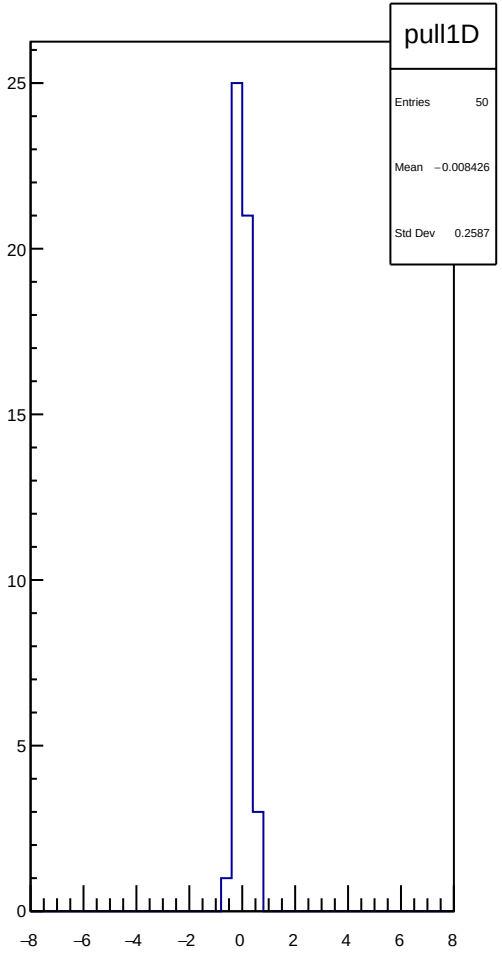

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.312 / 49
p0 31.37 ± 1.266
pull
Entries 50
Mean 332.9
Std Dev 307.6

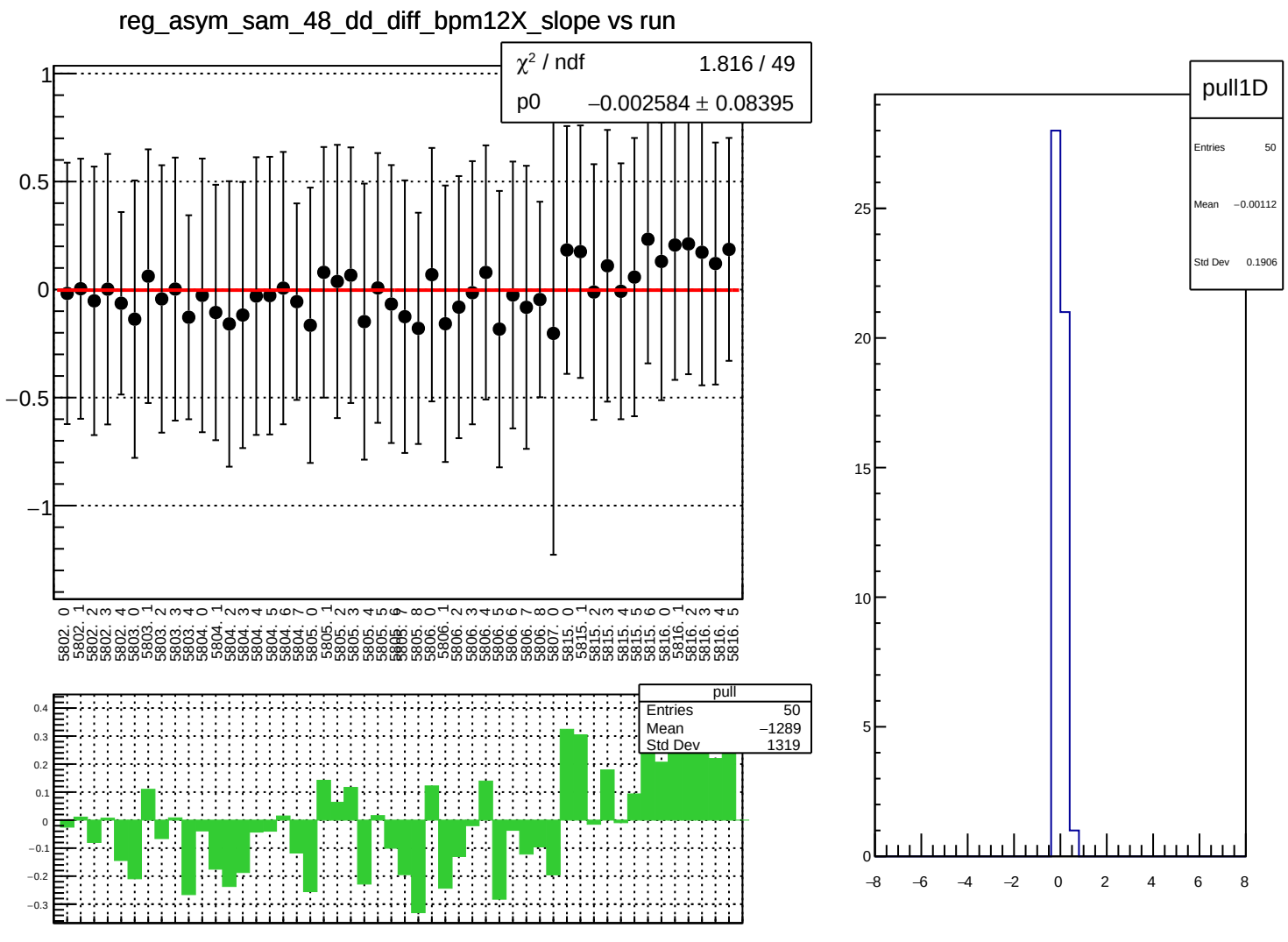

pull1D
Entries 50
Mean 0.007635
Std Dev 0.2573

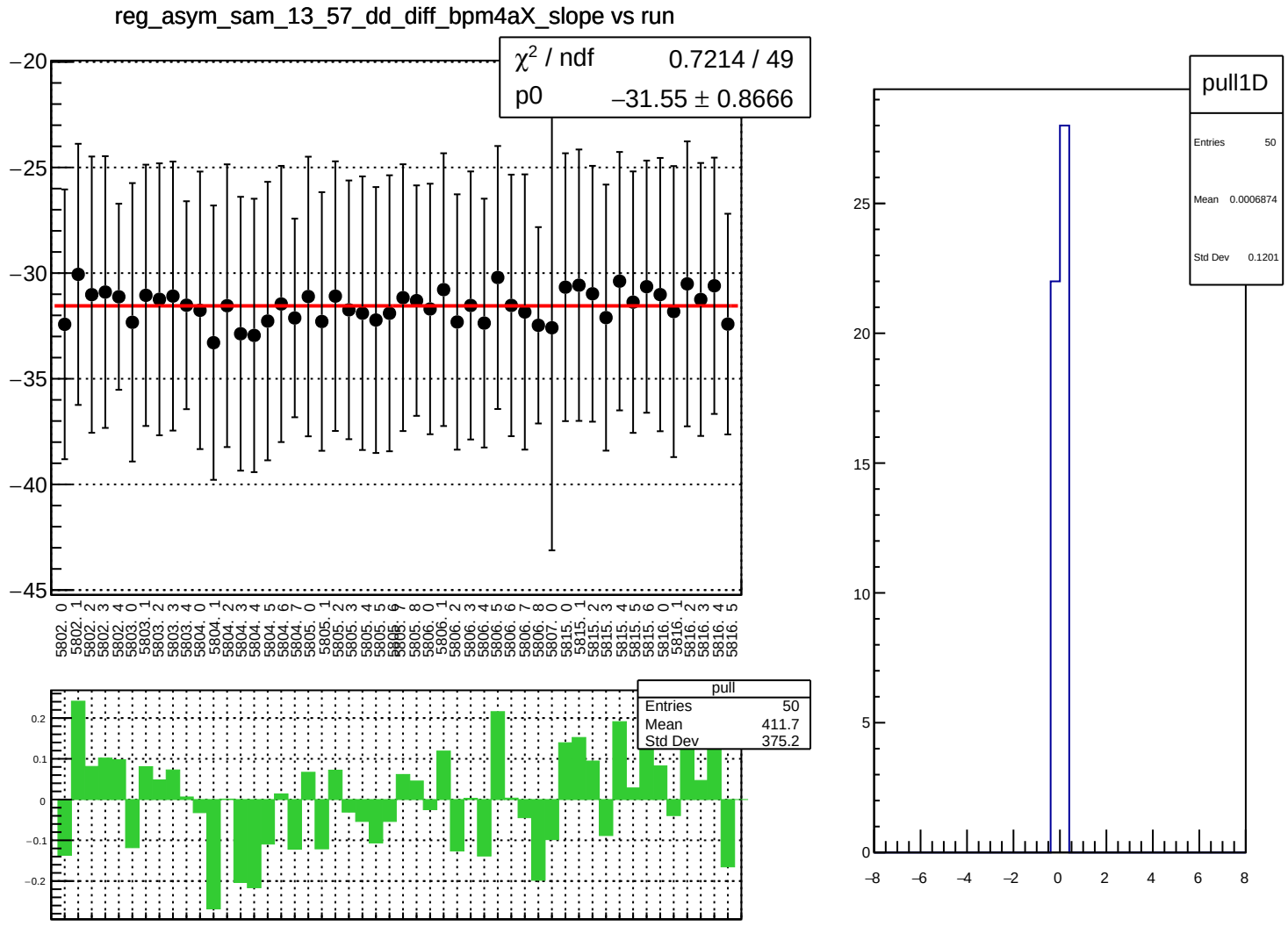

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.301 / 49
p0 −19.57 ± 1.802
pull
Entries 50
Mean −9782
Std Dev 9811

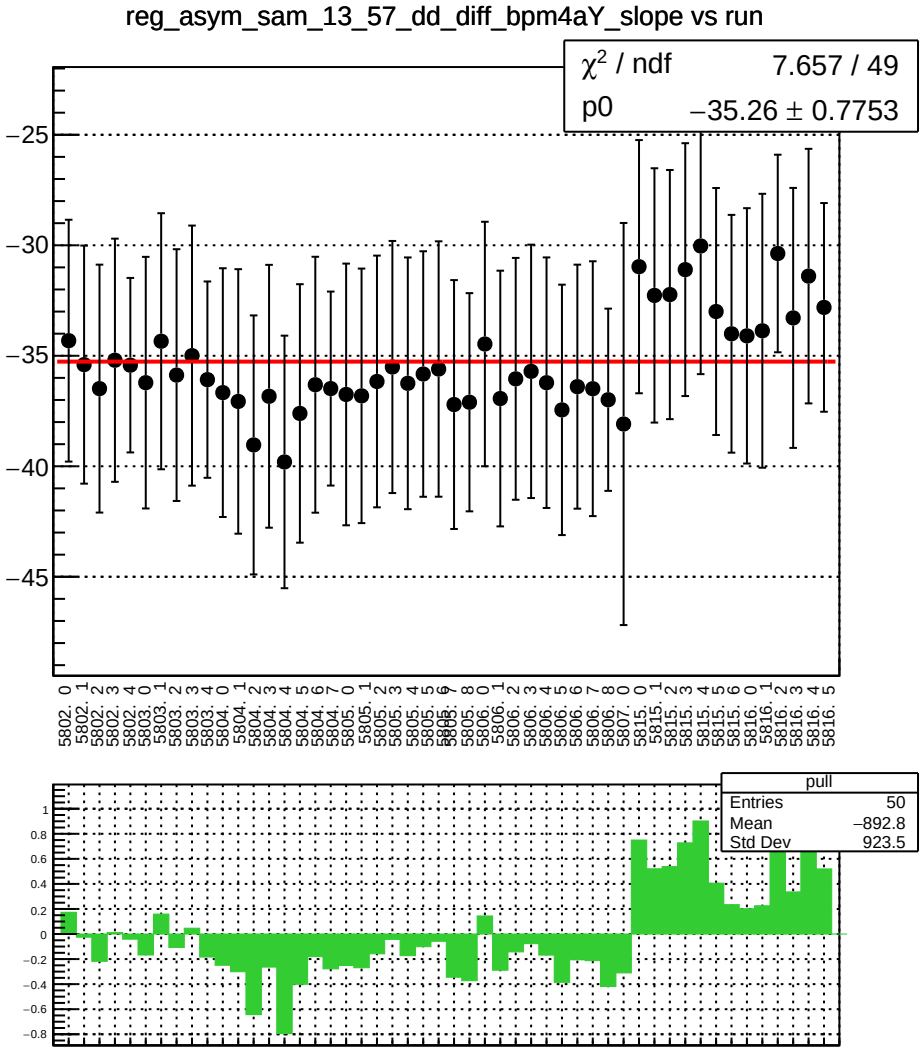

pull1D
Entries 50
Mean 0.0002024
Std Dev 0.2145

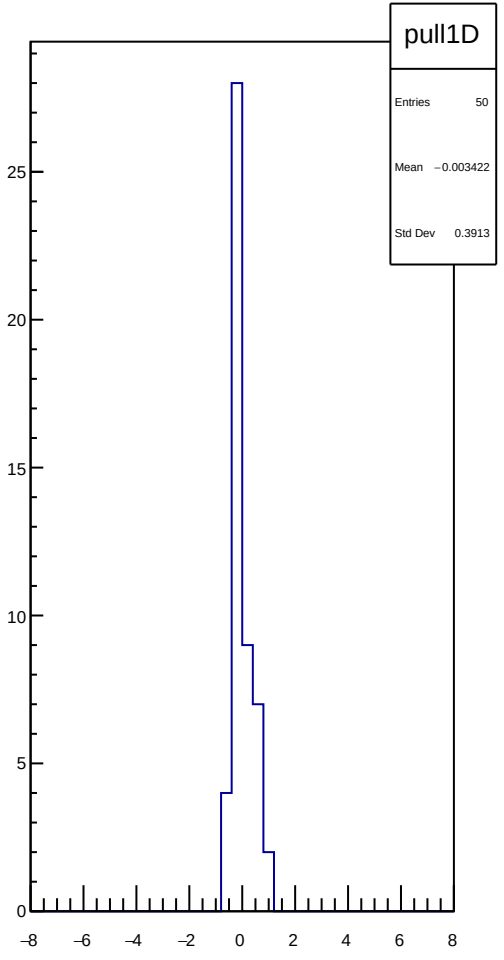

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.349 / 49
p0 48.96 ± 1.383
pull
Entries 50
Mean 284
Std Dev 259

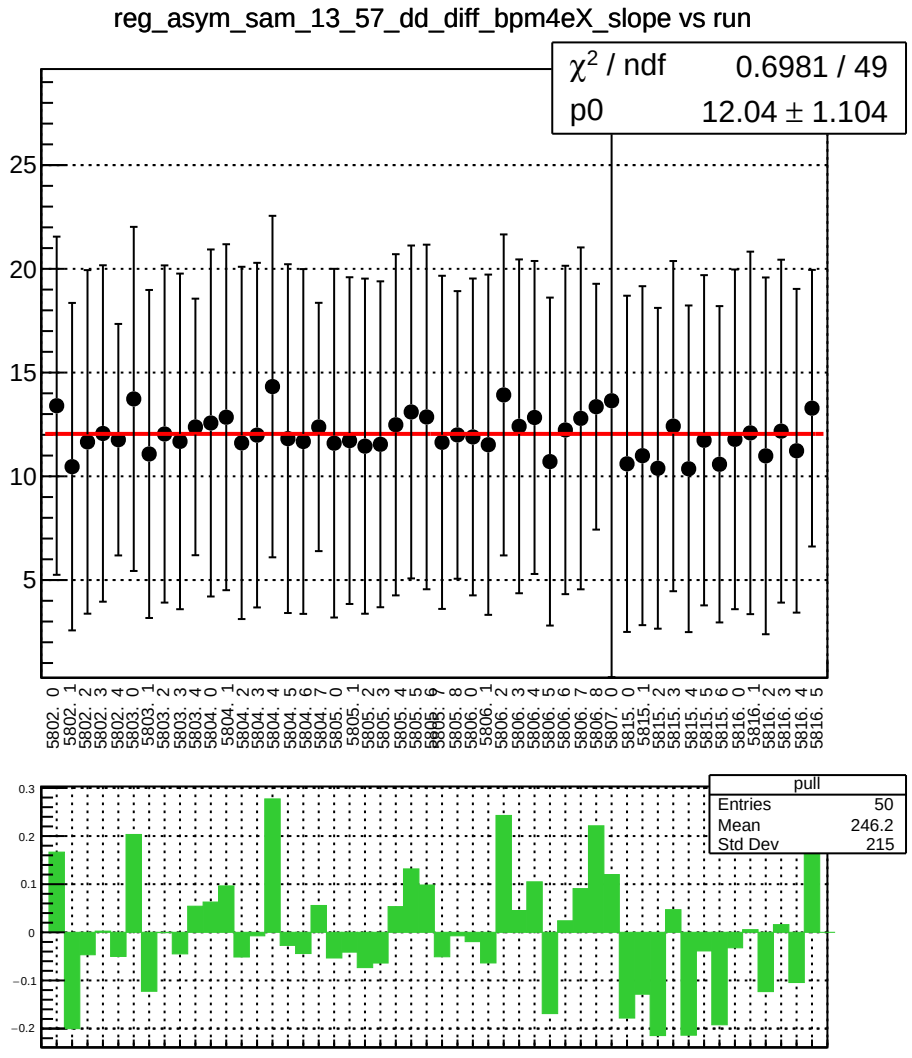

pull1D
Entries 50
Mean −0.008426
Std Dev 0.2587

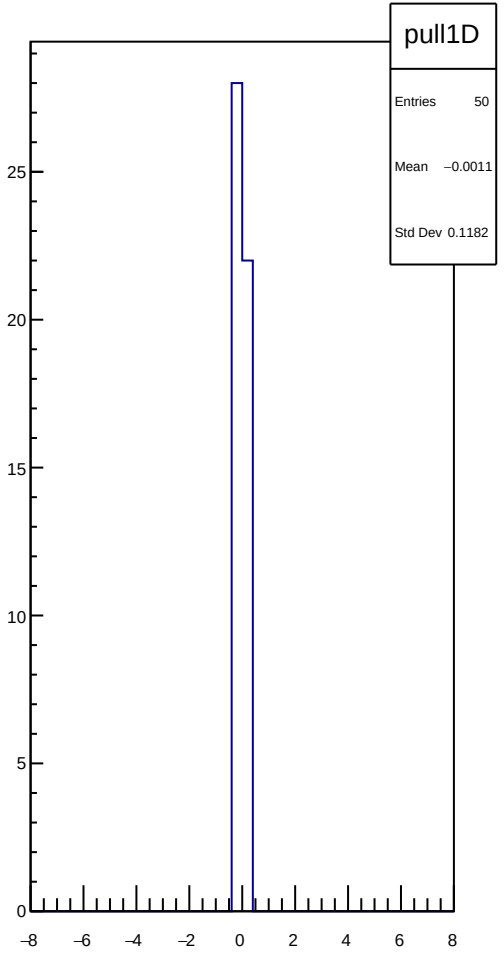

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.816 / 49
p0 −0.002584 ± 0.08395
pull
Entries 50
Mean −1289
Std Dev 1319
pull1D
Entries 50
Mean −0.00112
Std Dev 0.1906

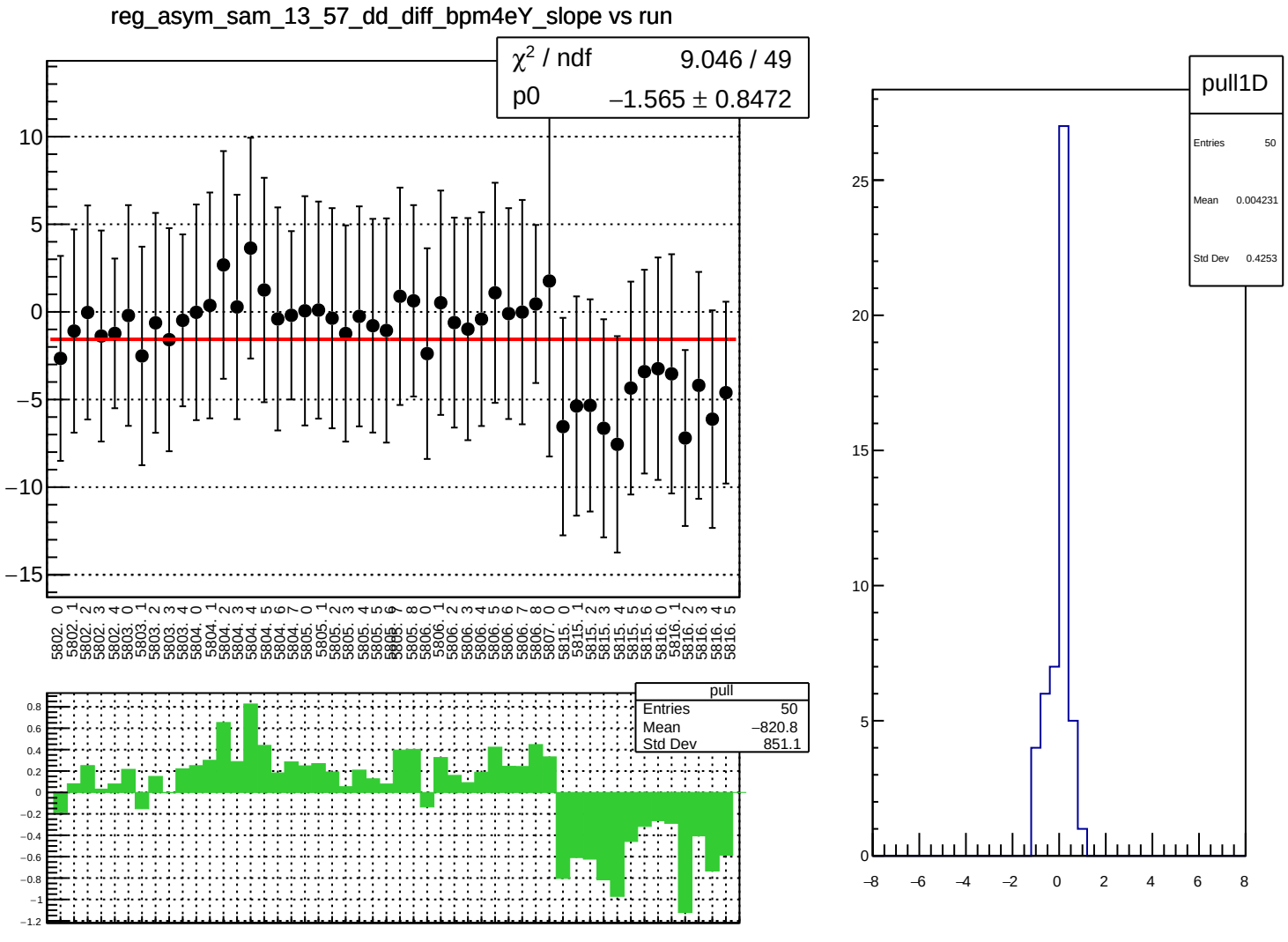

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.7214 / 49
p0 −31.55 ± 0.8666
pull
Entries 50
Mean 411.7
Std Dev 375.2
pull1D
Entries 50
Mean 0.0006874
Std Dev 0.1201

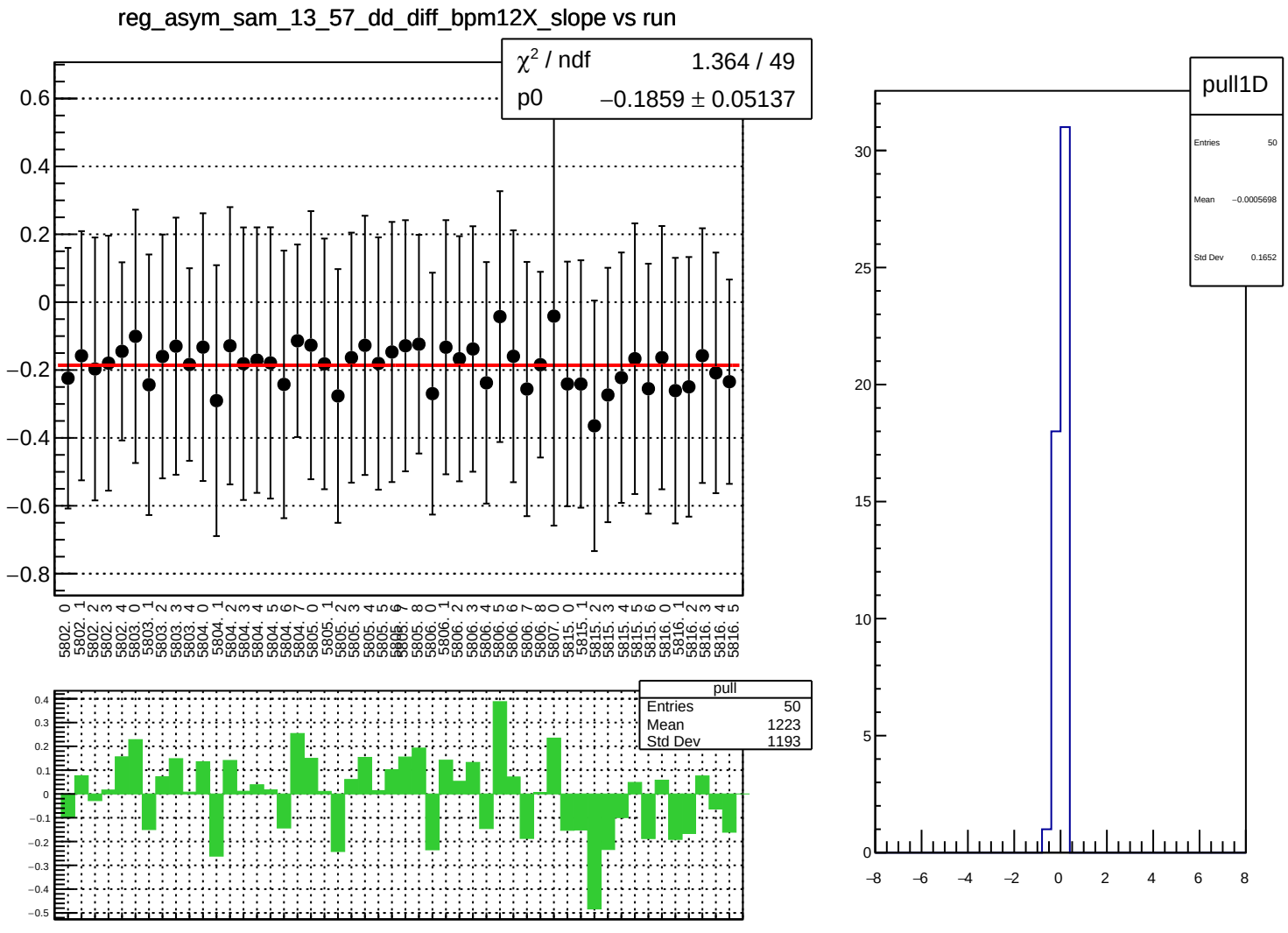

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.657 / 49
p0 −35.26 ± 0.7753
pull
Entries 50
Mean −892.8
Std Dev 923.5

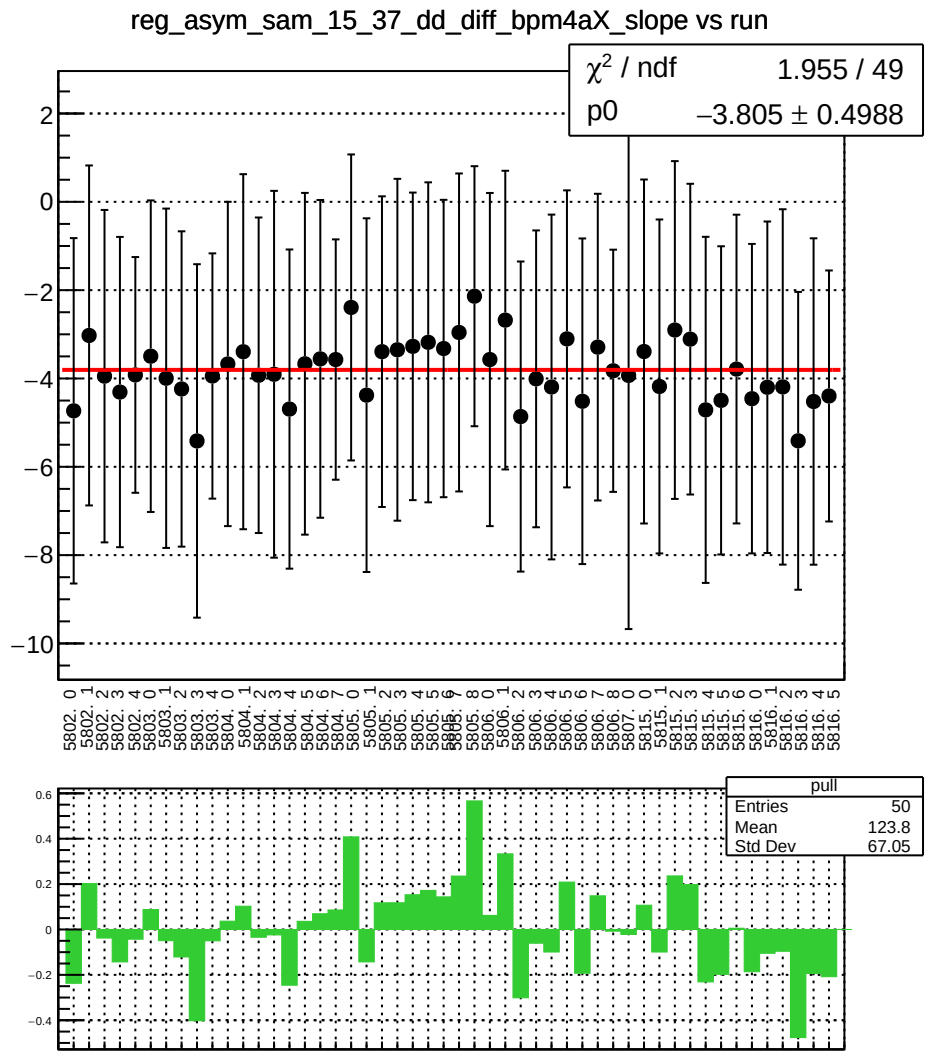

pull1D
Entries 50
Mean −0.003422
Std Dev 0.3913

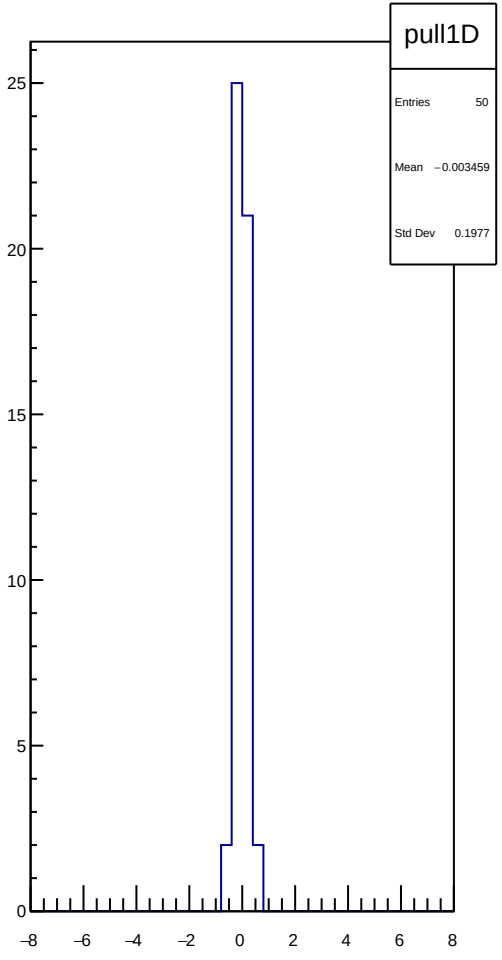

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6981 / 49
p0 12.04 ± 1.104
pull
Entries 50
Mean 246.2
Std Dev 215

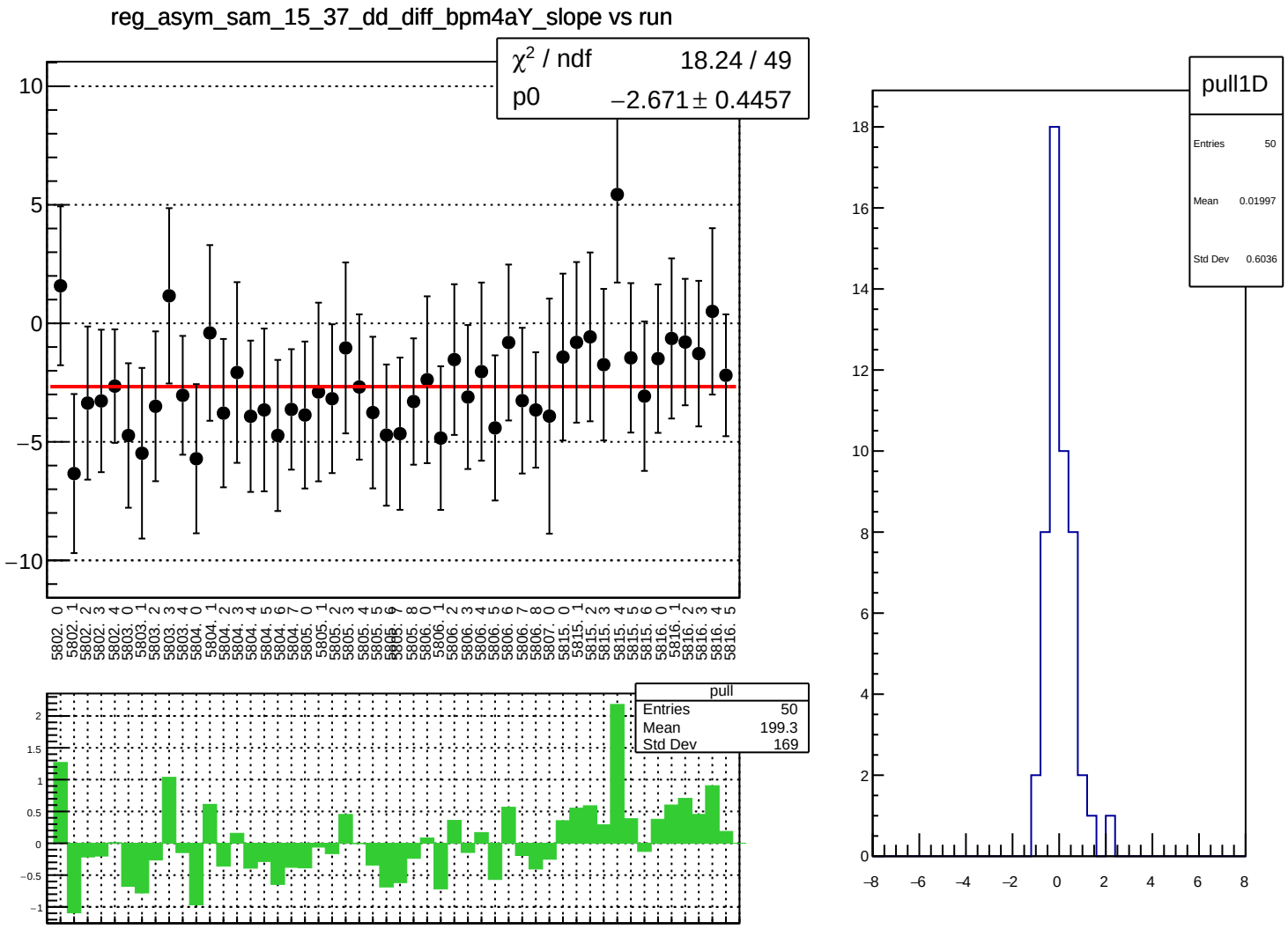

pull1D
Entries 50
Mean −0.0011
Std Dev 0.1182

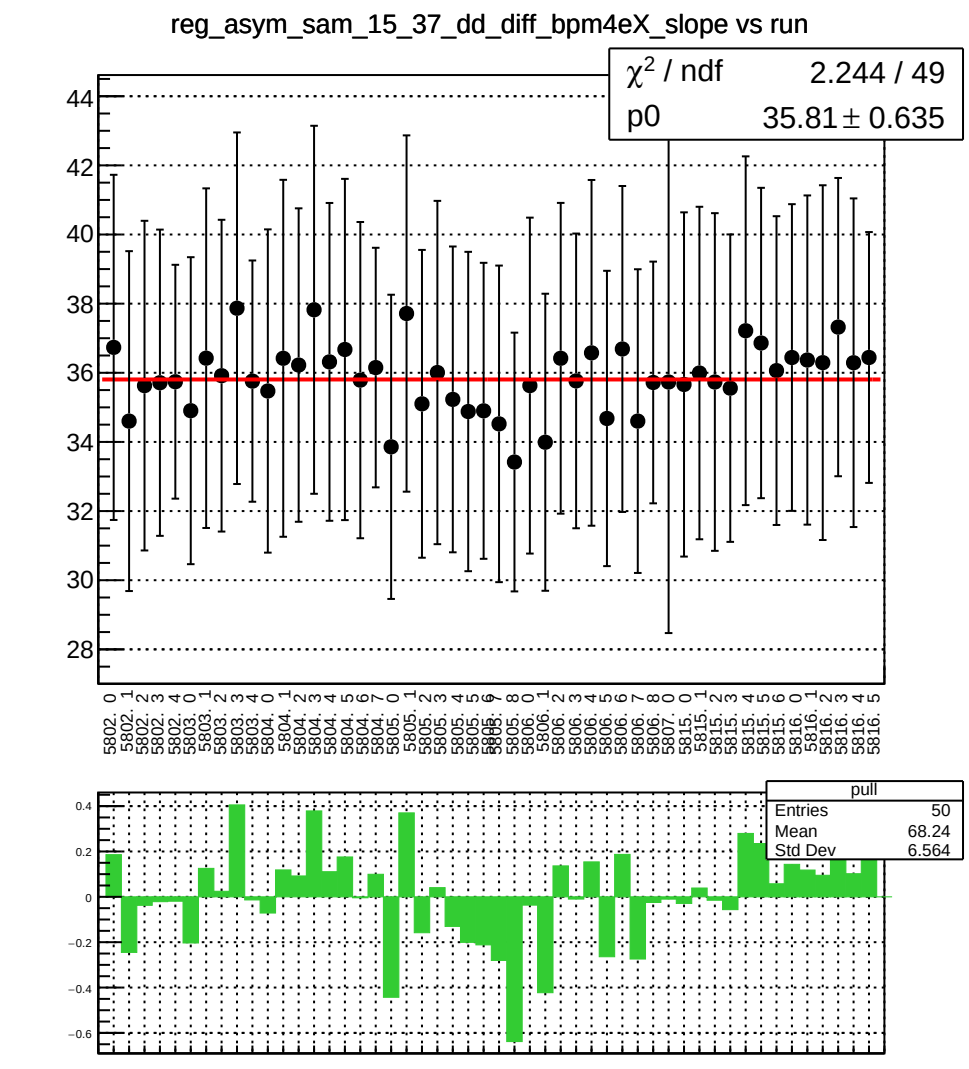

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.046 / 49
p0 −1.565 ± 0.8472
pull
Entries 50
Mean −820.8
Std Dev 851.1
pull1D
Entries 50
Mean 0.004231
Std Dev 0.4253

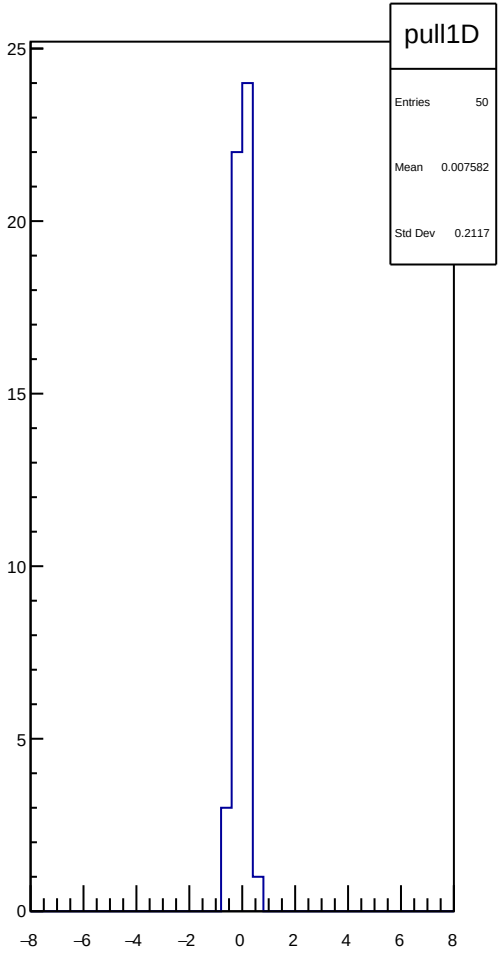

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.364 / 49
p0 −0.1859 ± 0.05137
pull
Entries 50
Mean 1223
Std Dev 1193
pull1D
Entries 50
Mean −0.0005698
Std Dev 0.1652

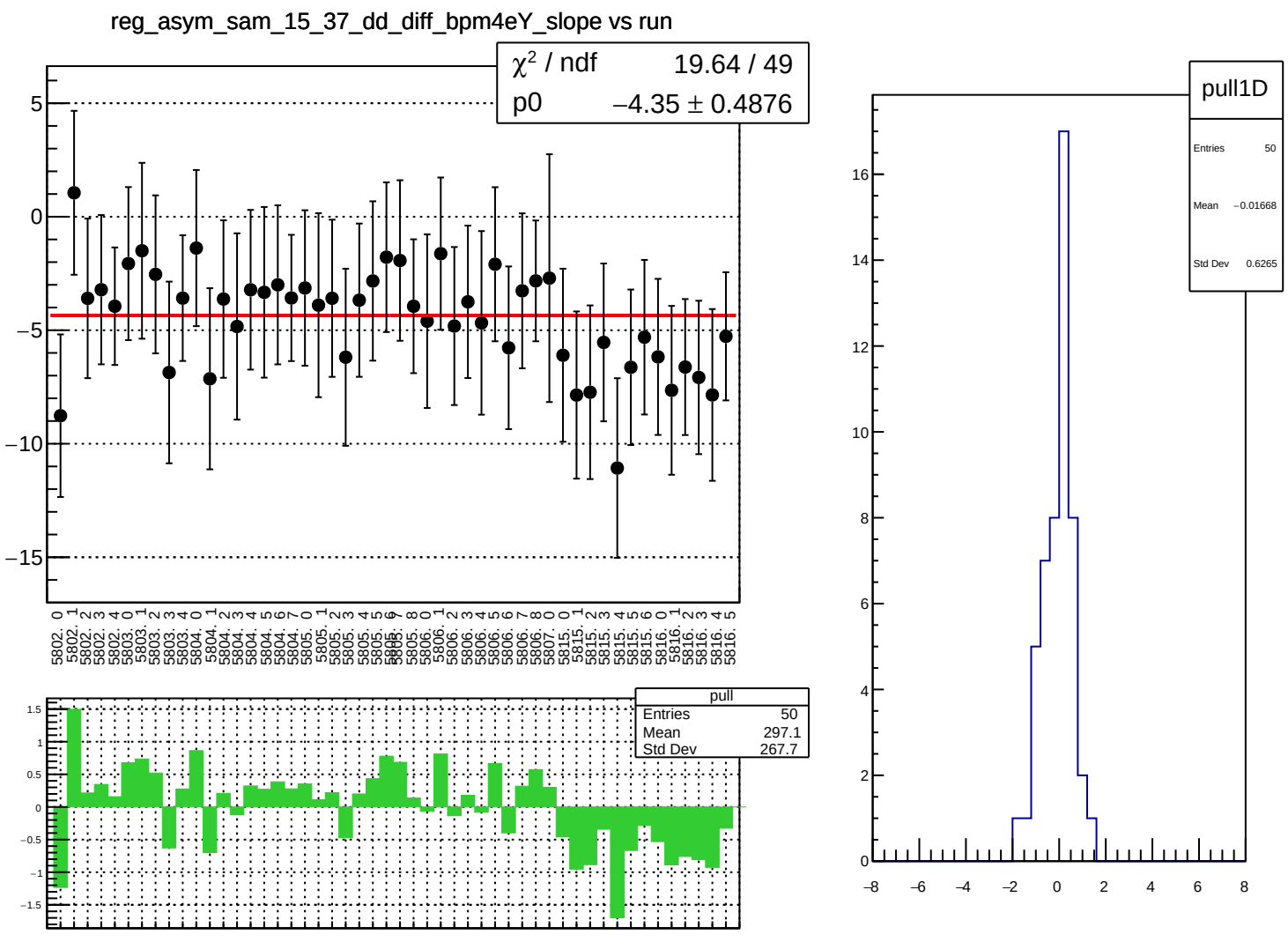

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.955 / 49
p0 −3.805 ± 0.4988
pull
Entries 50
Mean 123.8
Std Dev 67.05

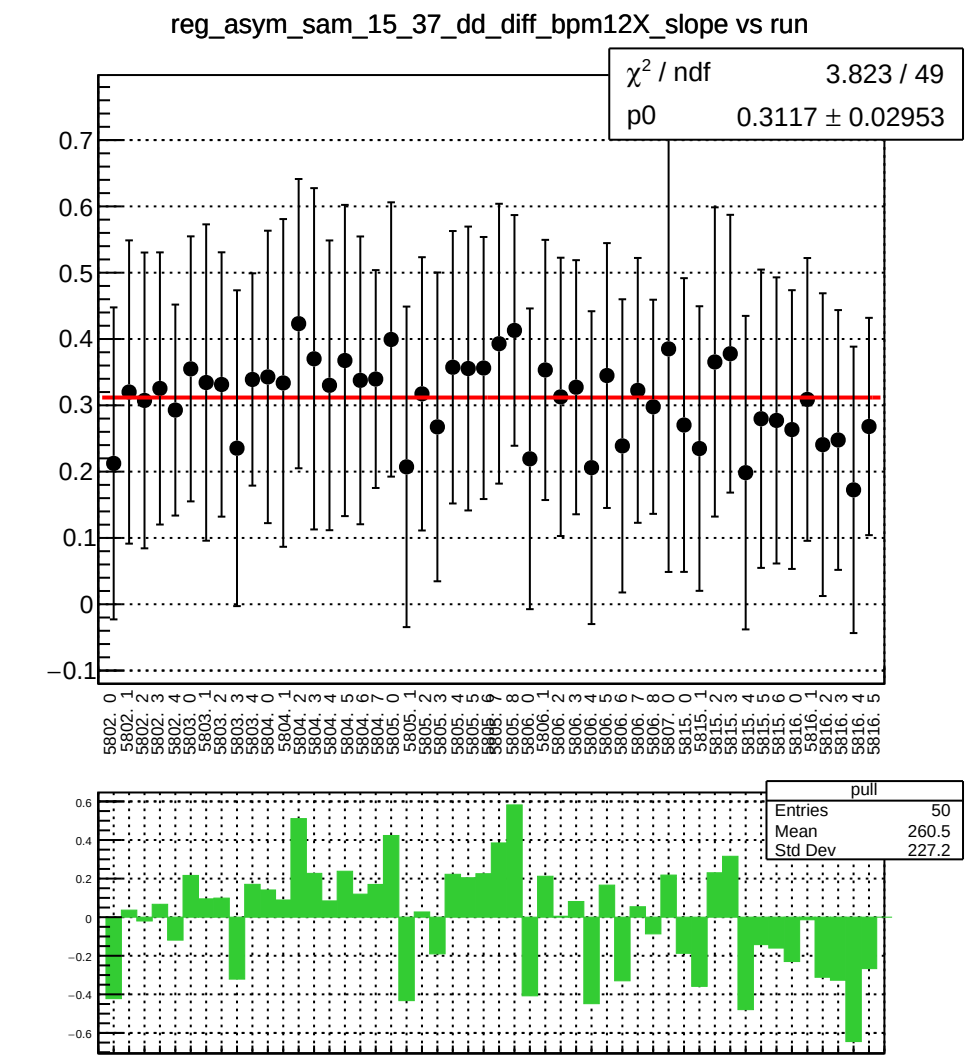

pull1D
Entries 50
Mean −0.003459
Std Dev 0.1977

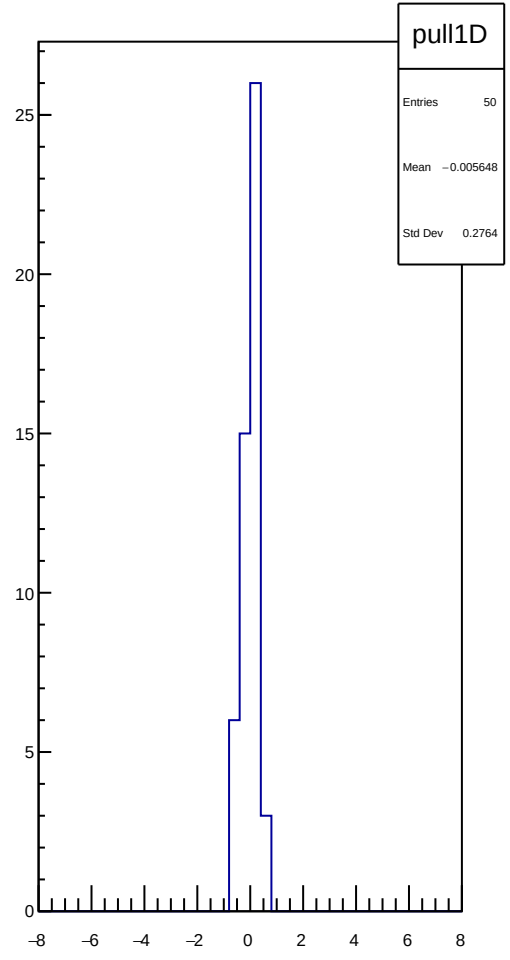

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.24 / 49
p0 −2.671 ± 0.4457
pull
Entries 50
Mean 199.3
Std Dev 169
pull1D
Entries 50
Mean 0.01997
Std Dev 0.6036

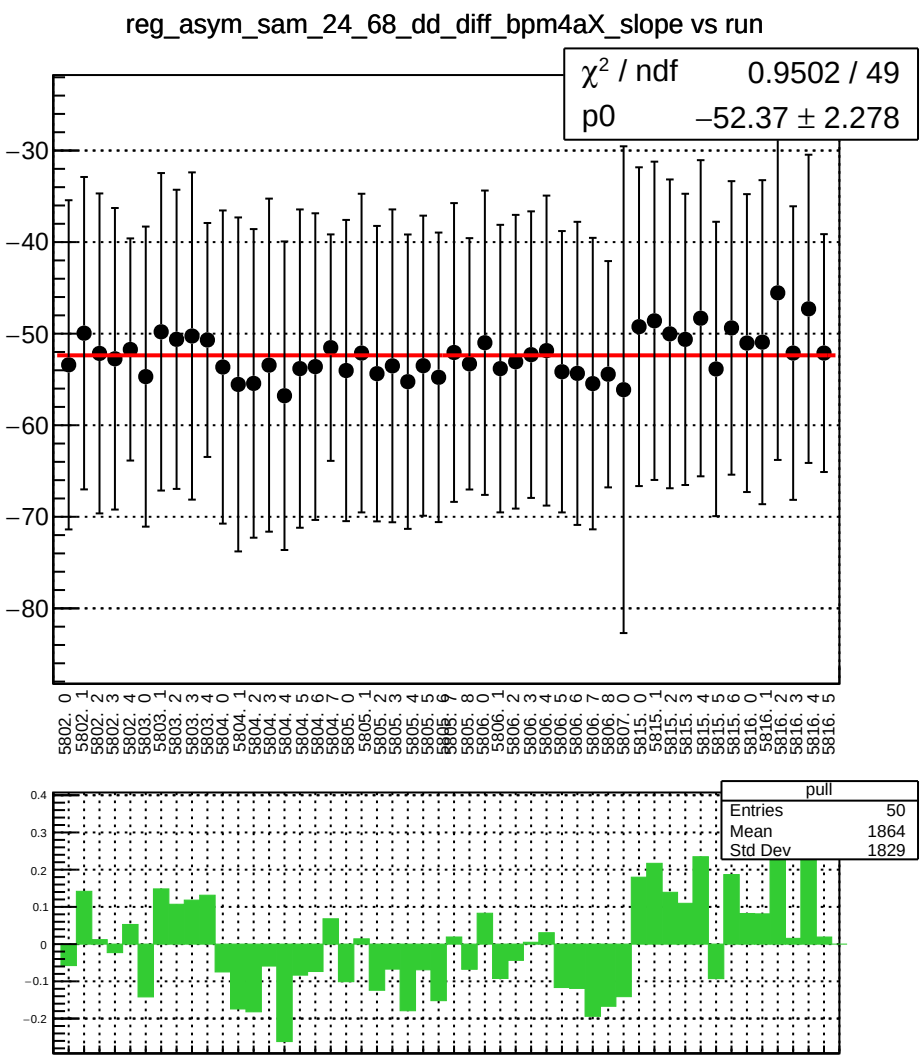

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.244 / 49
p0 35.81 ± 0.635
pull
Entries 50
Mean 68.24
Std Dev 6.564

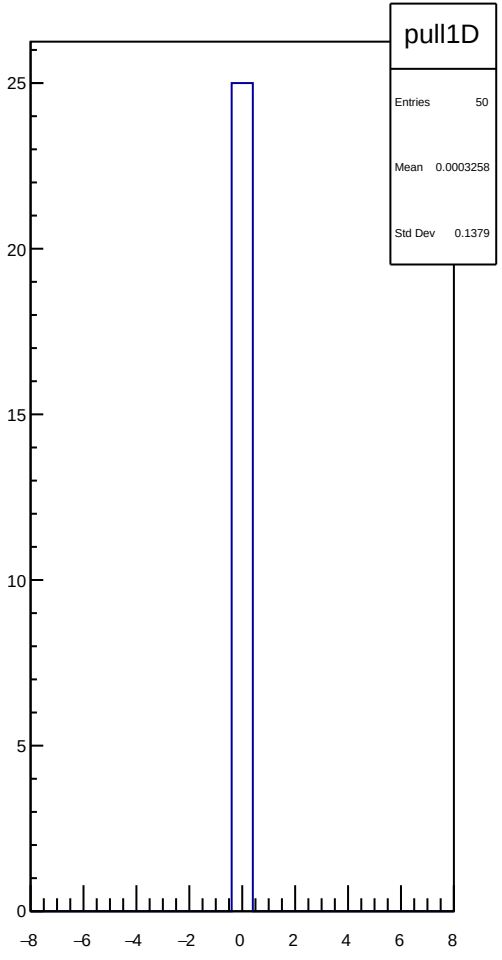

pull1D
Entries 50
Mean 0.007582
Std Dev 0.2117

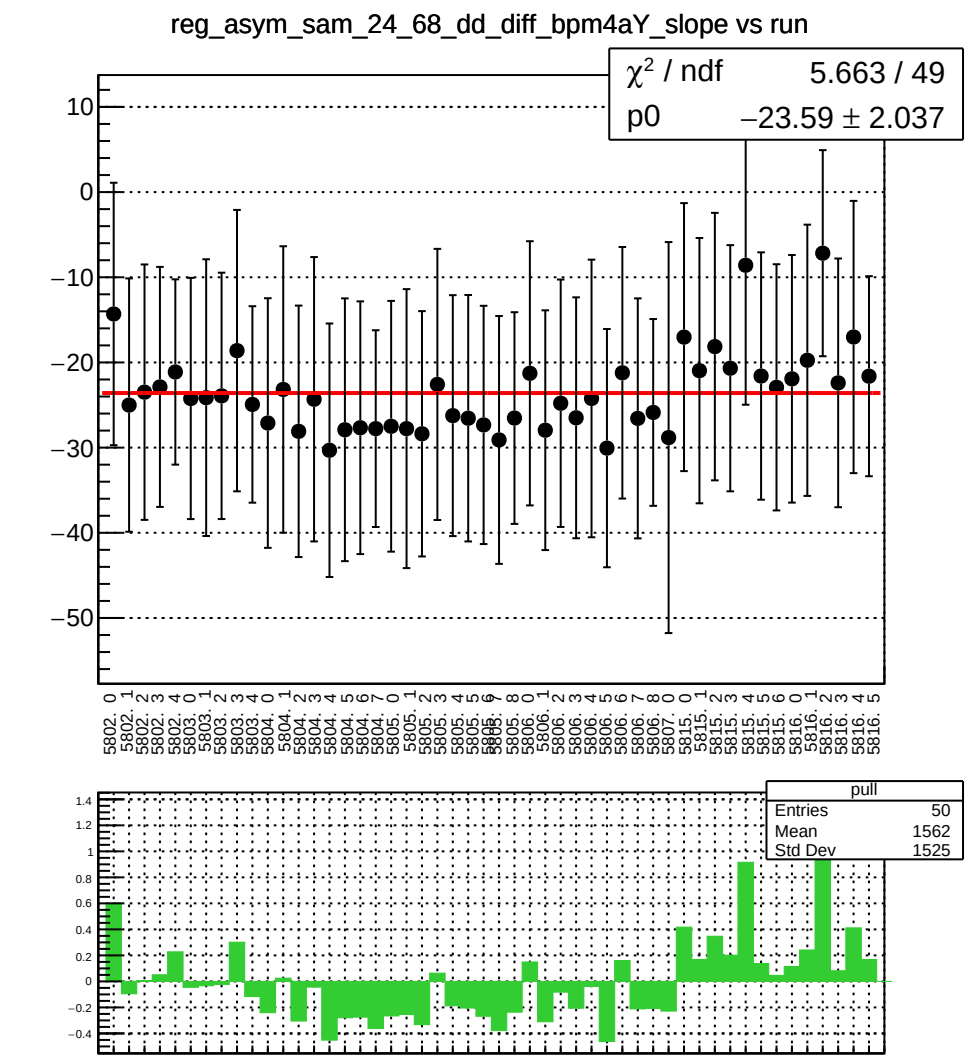

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.64 / 49
p0 −4.35 ± 0.4876
pull
Entries 50
Mean 297.1
Std Dev 267.7
pull1D
Entries 50
Mean −0.01668
Std Dev 0.6265

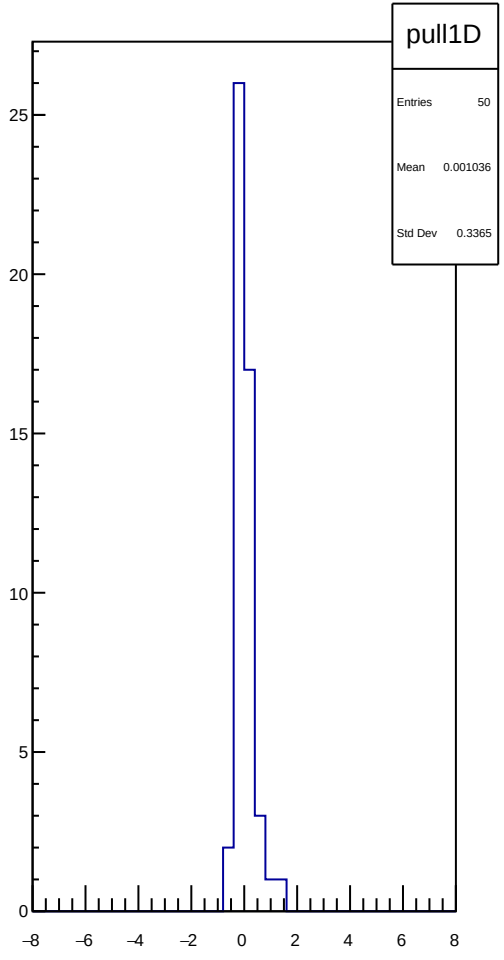

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.823 / 49
p0 0.3117 ± 0.02953
pull
Entries 50
Mean 260.5
Std Dev 227.2

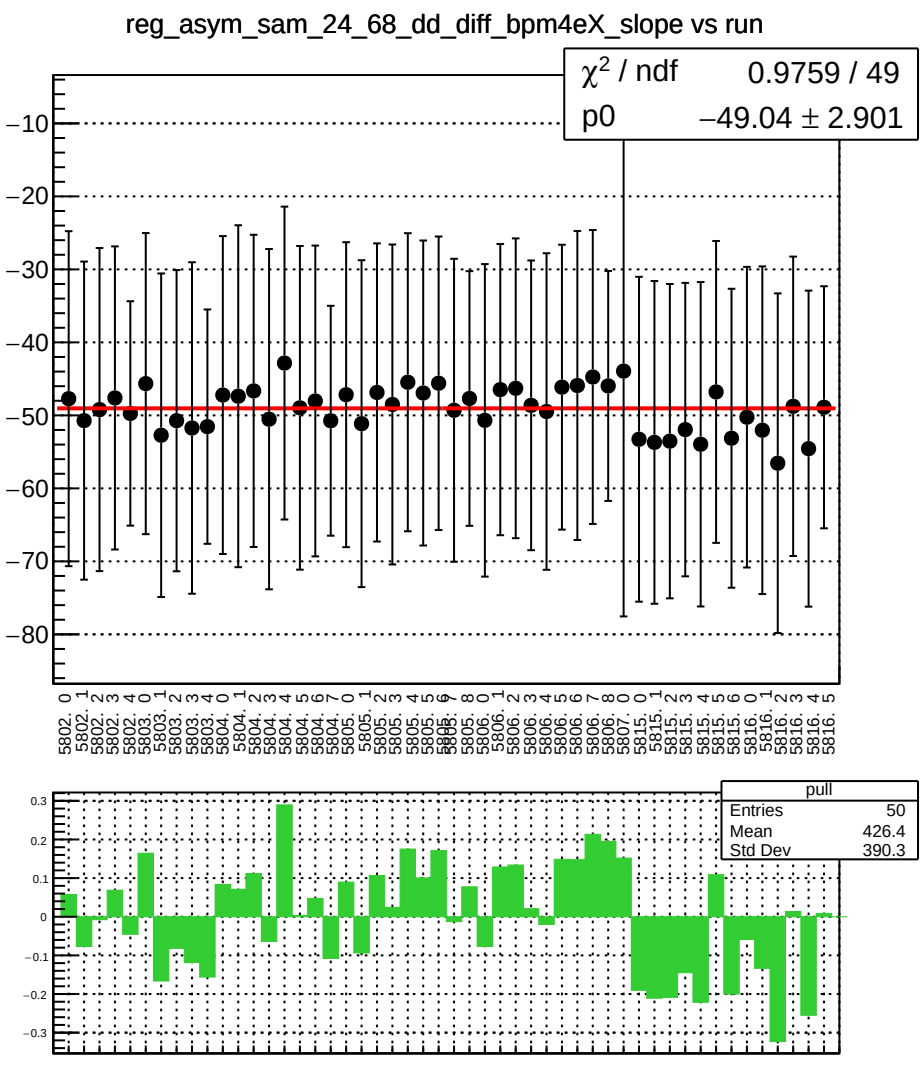

pull1D
Entries 50
Mean −0.005648
Std Dev 0.2764

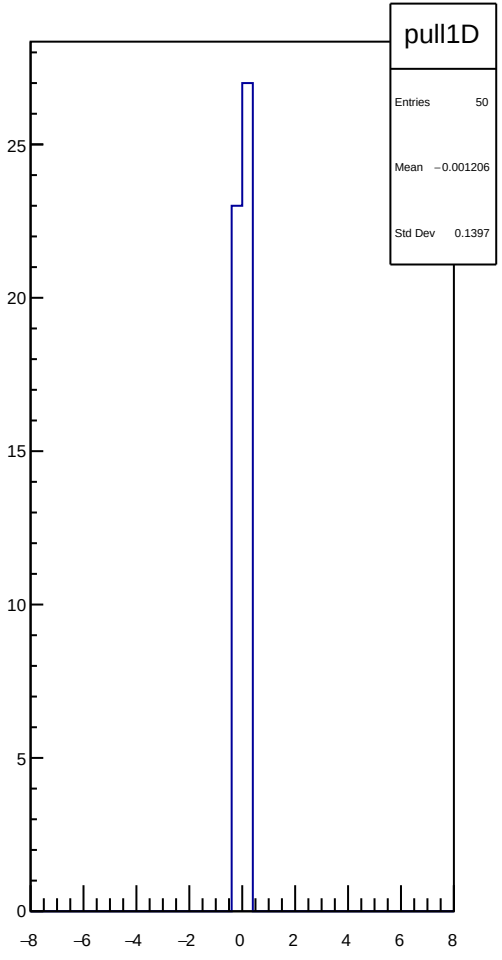

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.9502 / 49
p0 −52.37 ± 2.278
pull
Entries 50
Mean 1864
Std Dev 1829

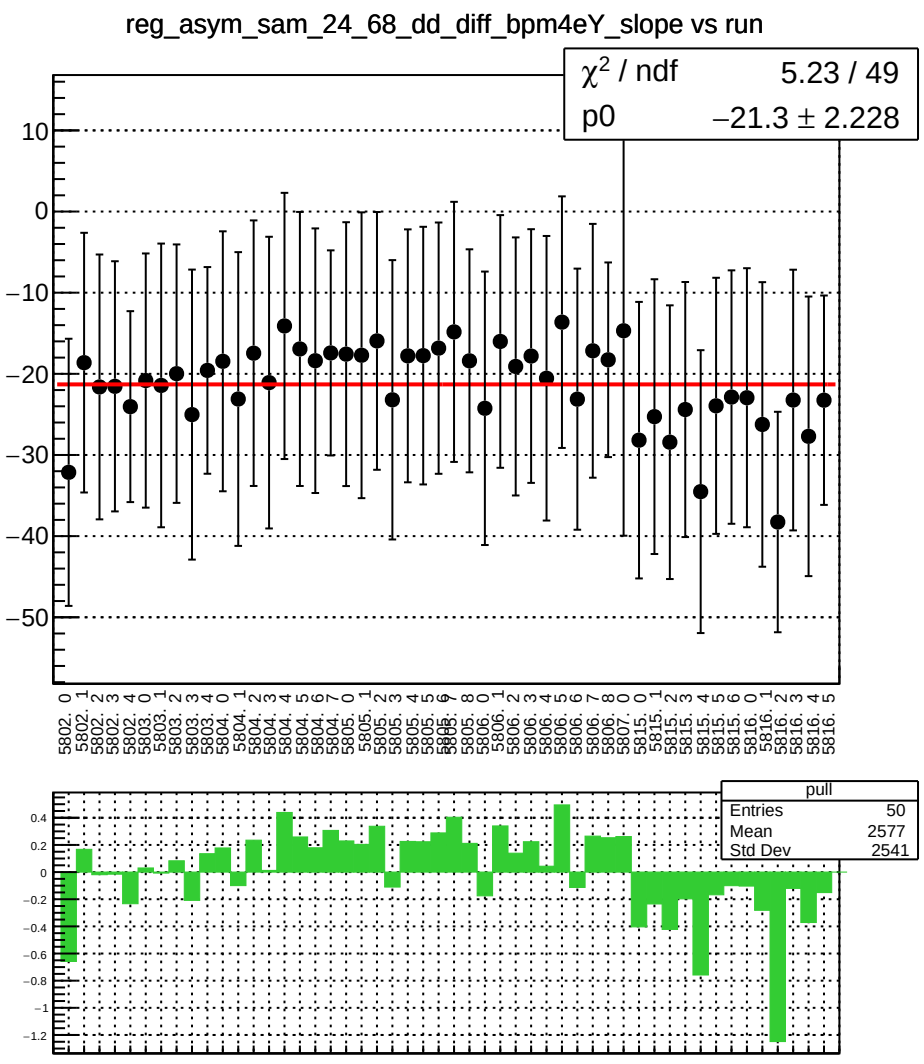

pull1D
Entries 50
Mean 0.0003258
Std Dev 0.1379

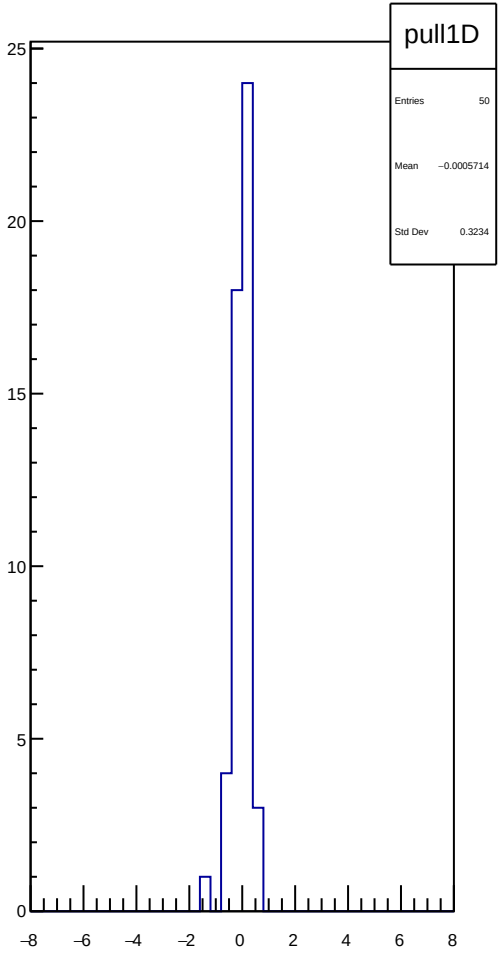

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.663 / 49
p0 −23.59 ± 2.037
pull
Entries 50
Mean 1562
Std Dev 1525

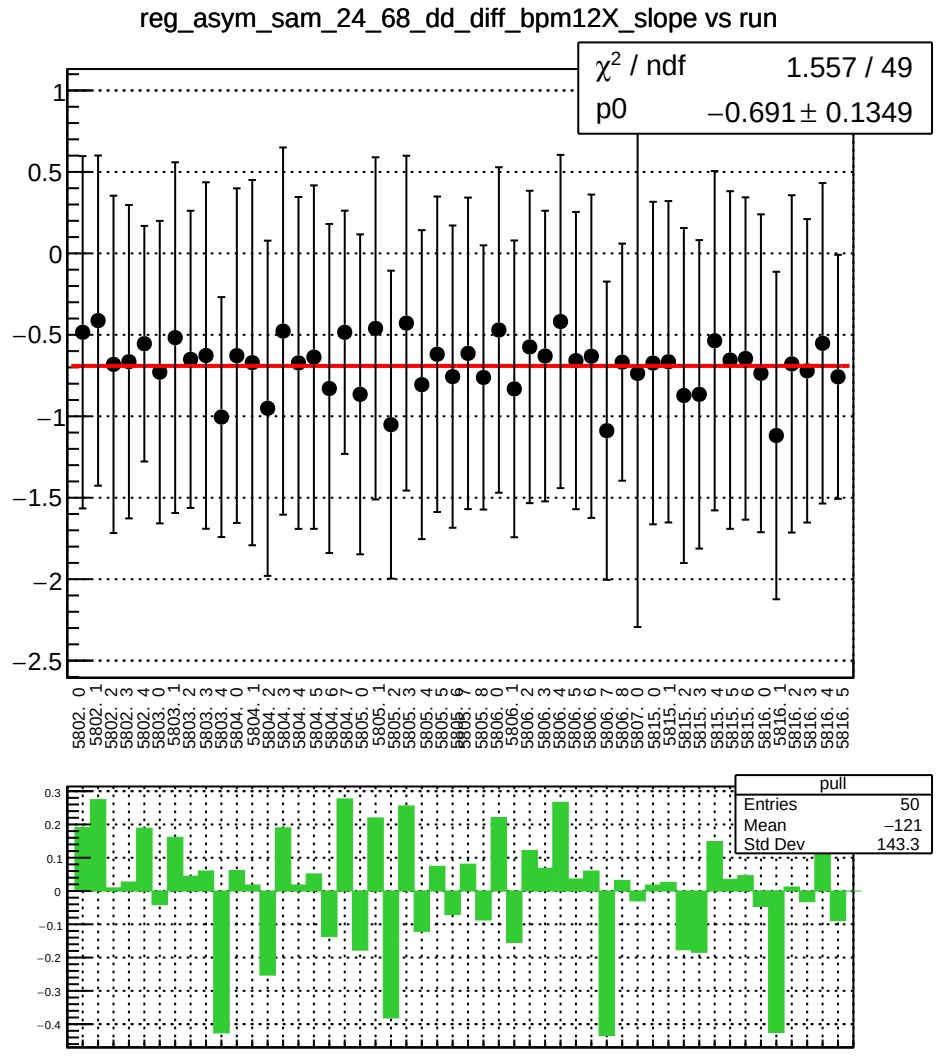

pull1D
Entries 50
Mean 0.001036
Std Dev 0.3365

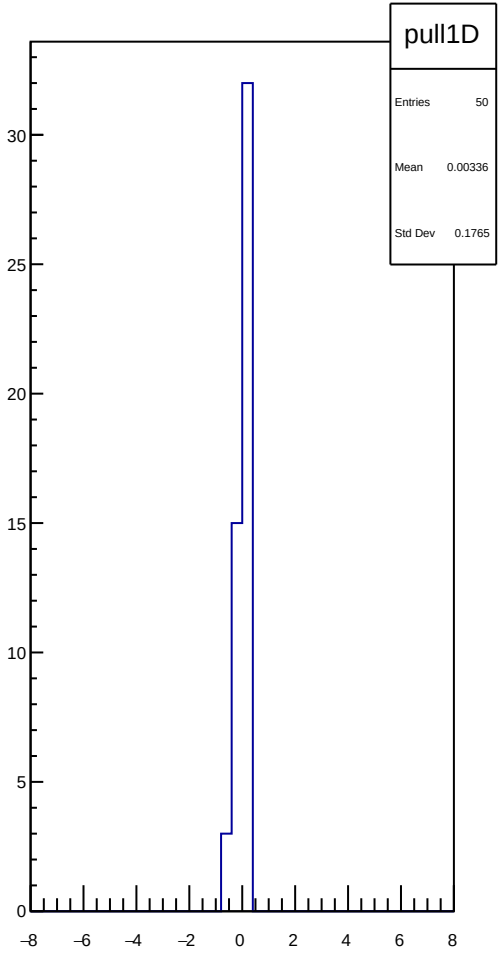

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9759 / 49
p0 −49.04 ± 2.901
pull
Entries 50
Mean 426.4
Std Dev 390.3

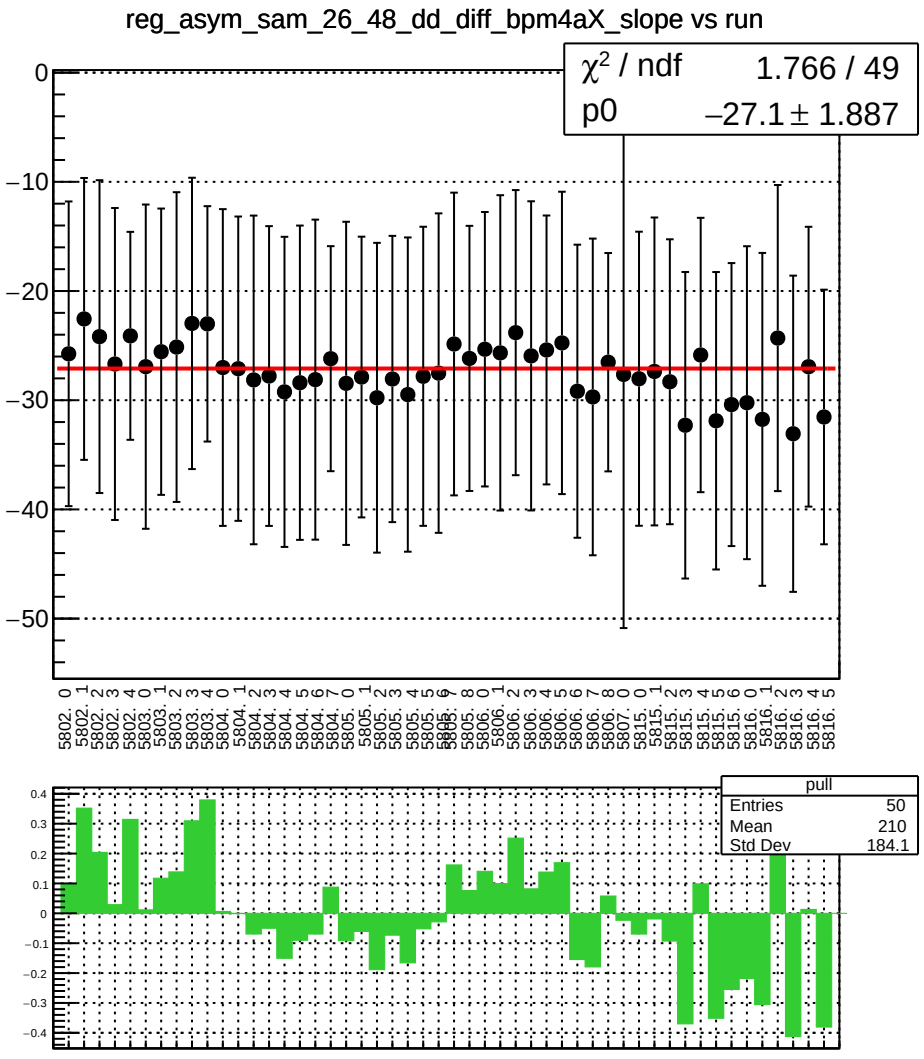

pull1D
Entries 50
Mean −0.001206
Std Dev 0.1397

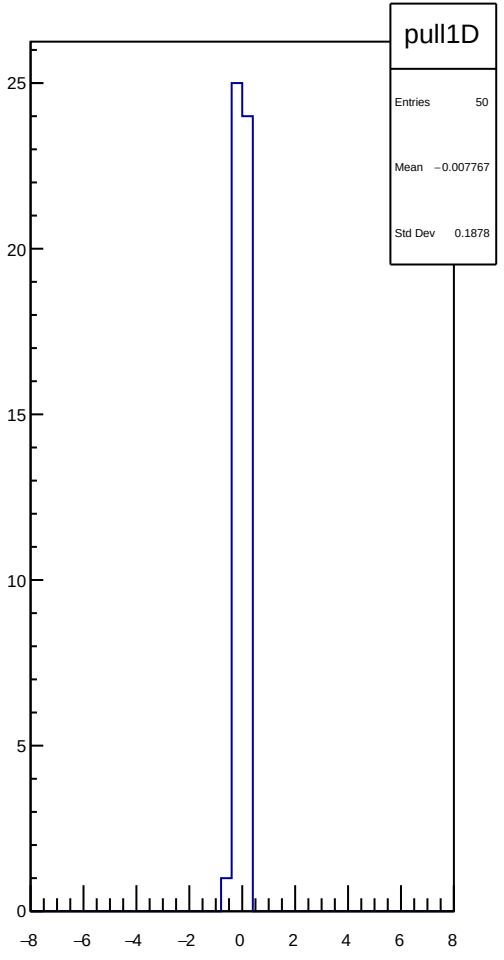

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.23 / 49
p0 −21.3 ± 2.228
pull
Entries 50
Mean 2577
Std Dev 2541

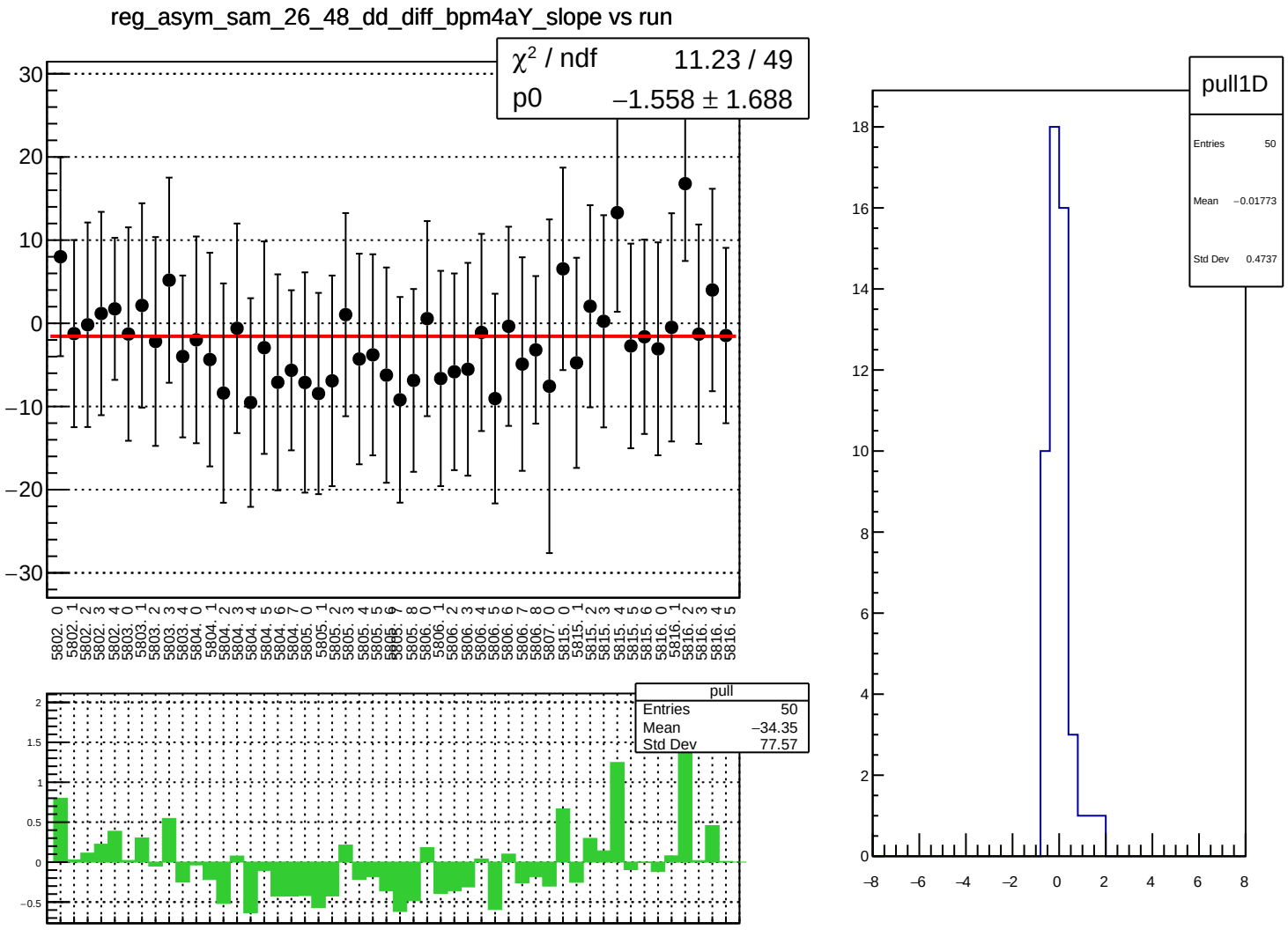

pull1D
Entries 50
Mean −0.0005714
Std Dev 0.3234

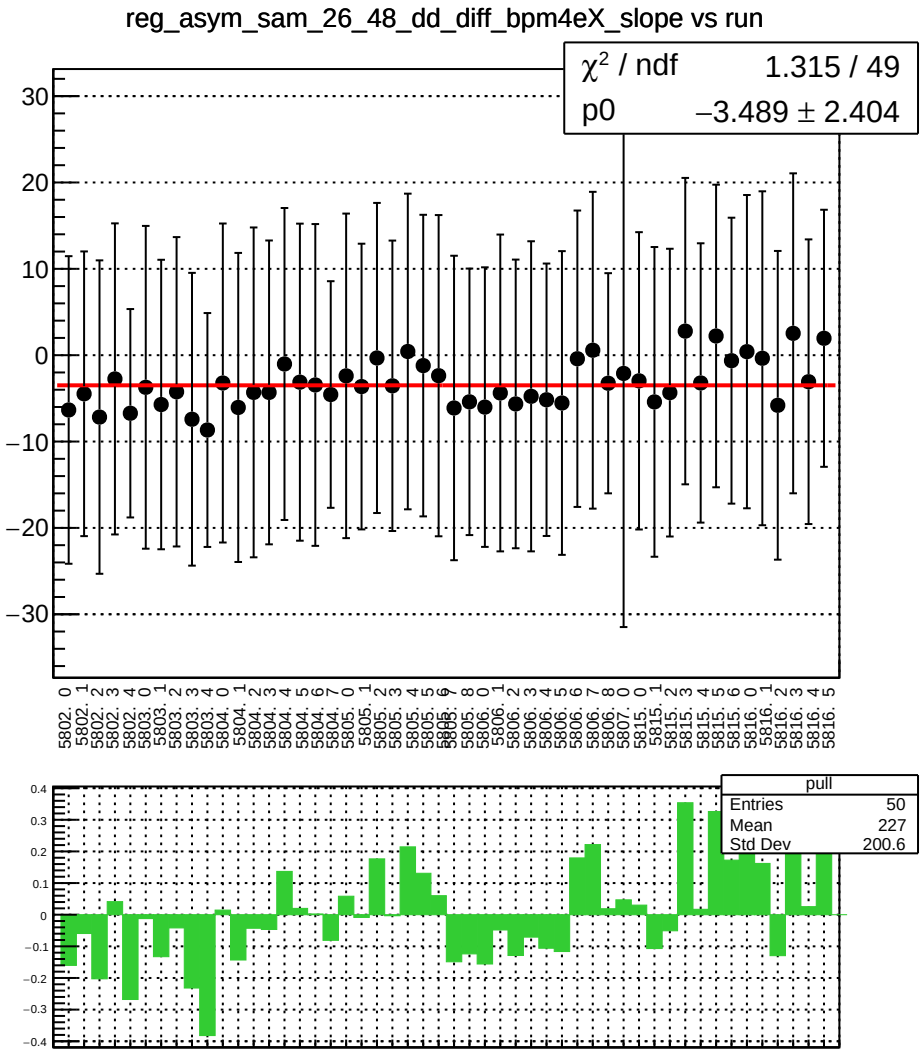

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.557 / 49
p0 −0.691 ± 0.1349
pull
Entries 50
Mean −121
Std Dev 143.3

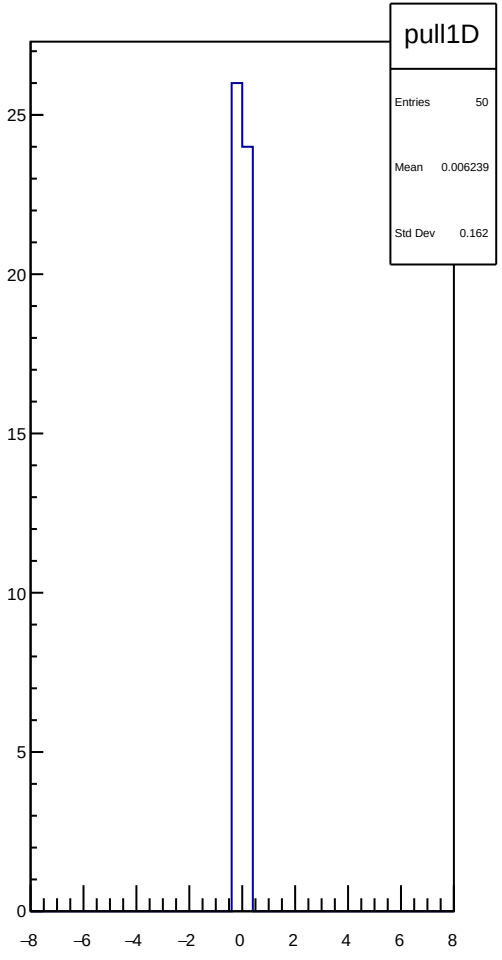

pull1D
Entries 50
Mean 0.00336
Std Dev 0.1765

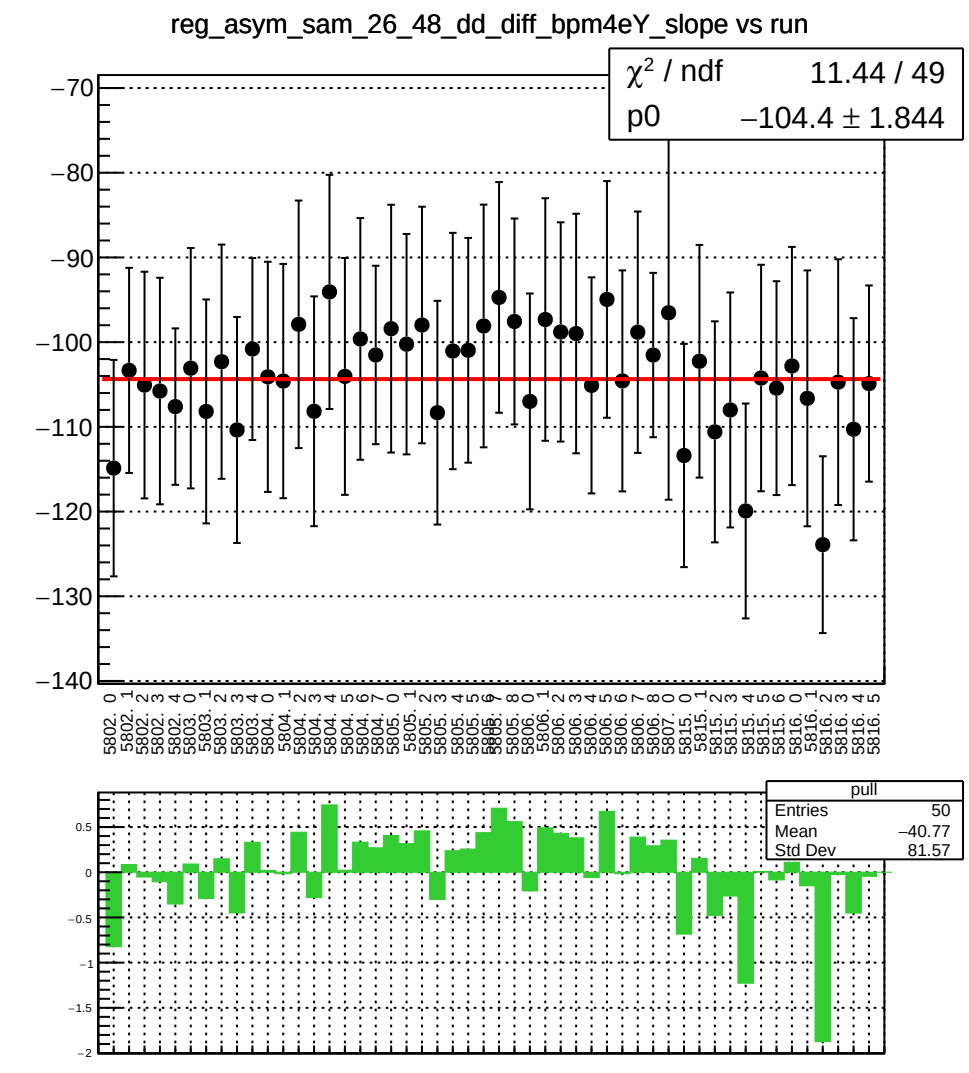

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.766 / 49
p0 −27.1 ± 1.887
pull
Entries 50
Mean 210
Std Dev 184.1

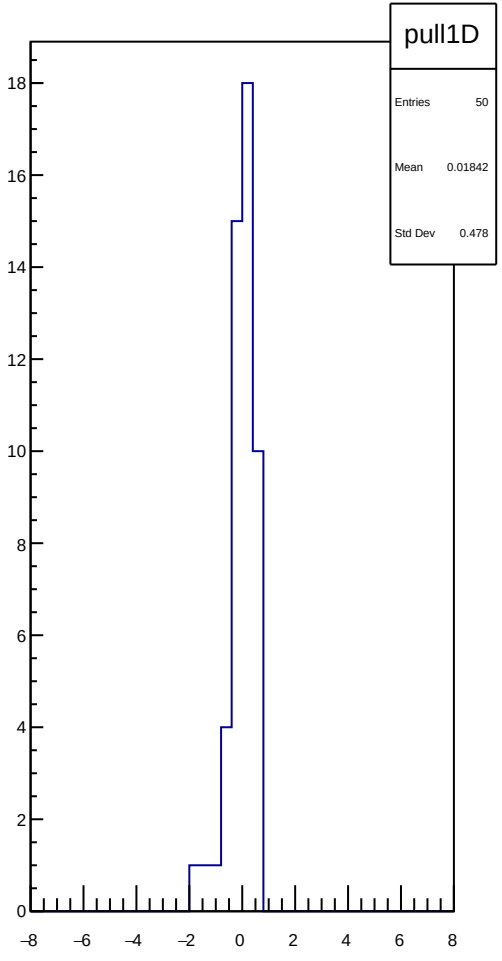

pull1D
Entries 50
Mean −0.007767
Std Dev 0.1878

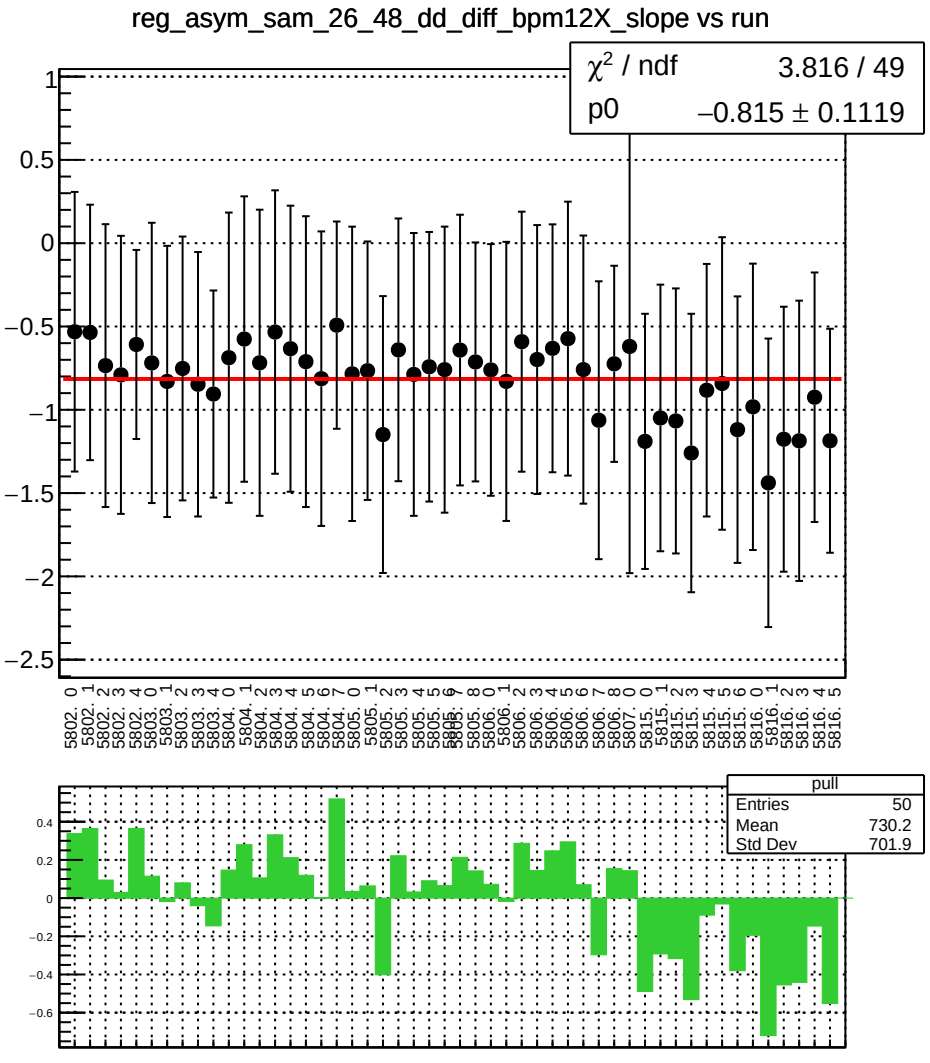

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.23 / 49
p0 −1.558 ± 1.688
pull
Entries 50
Mean −34.35
Std Dev 77.57
pull1D
Entries 50
Mean −0.01773
Std Dev 0.4737

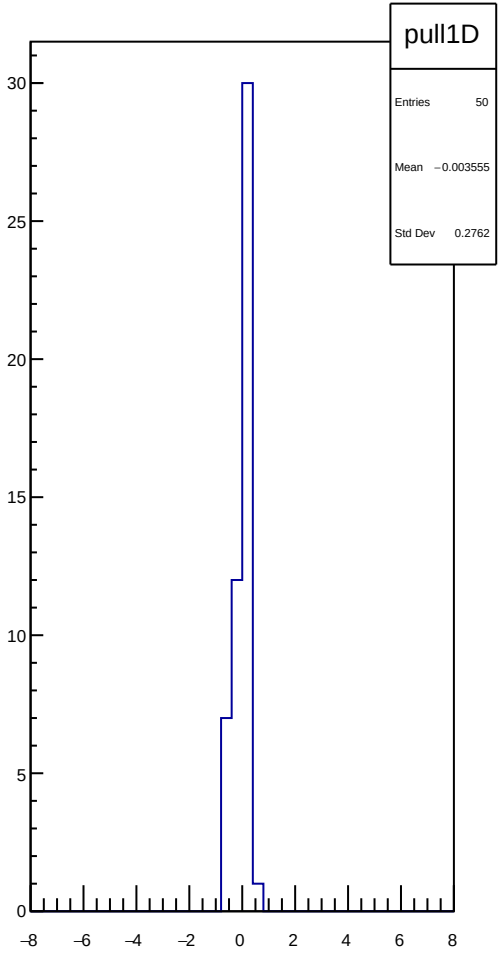

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.315 / 49
p0 −3.489 ± 2.404
pull
Entries 50
Mean 227
Std Dev 200.6

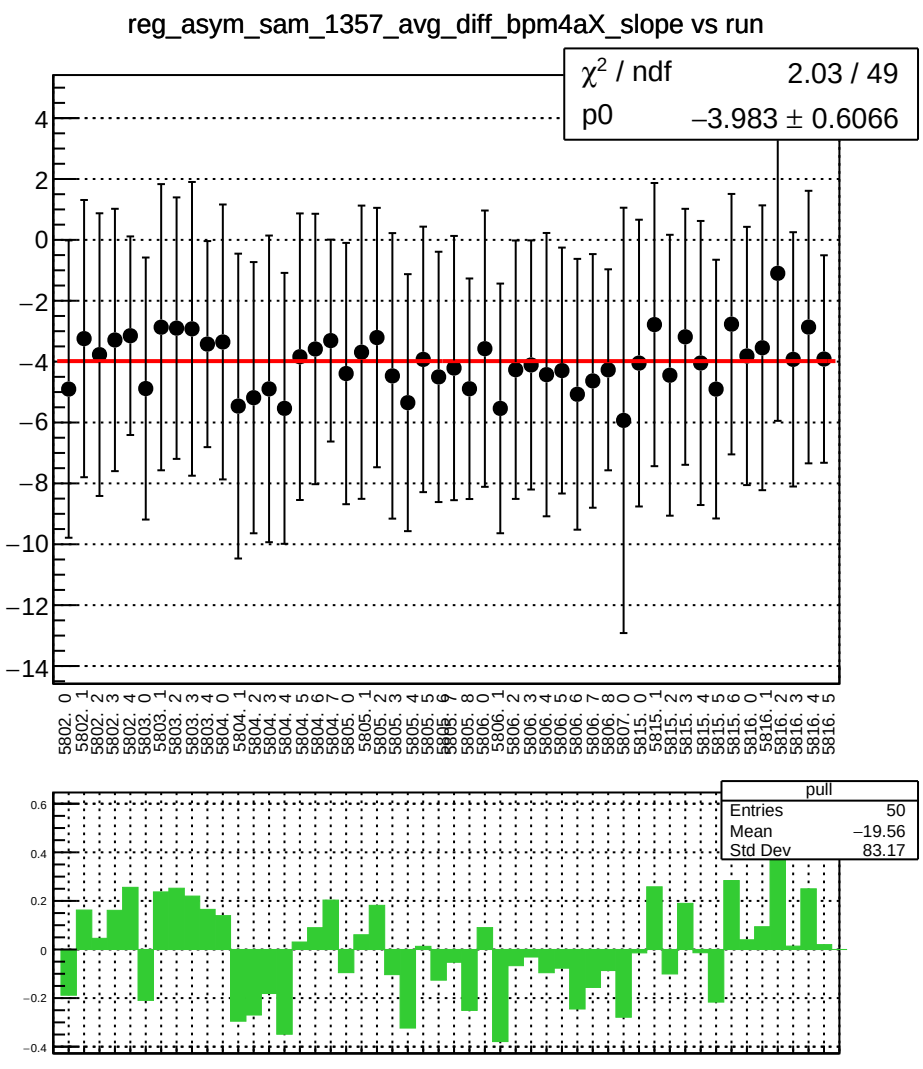

pull1D
Entries 50
Mean 0.006239
Std Dev 0.162

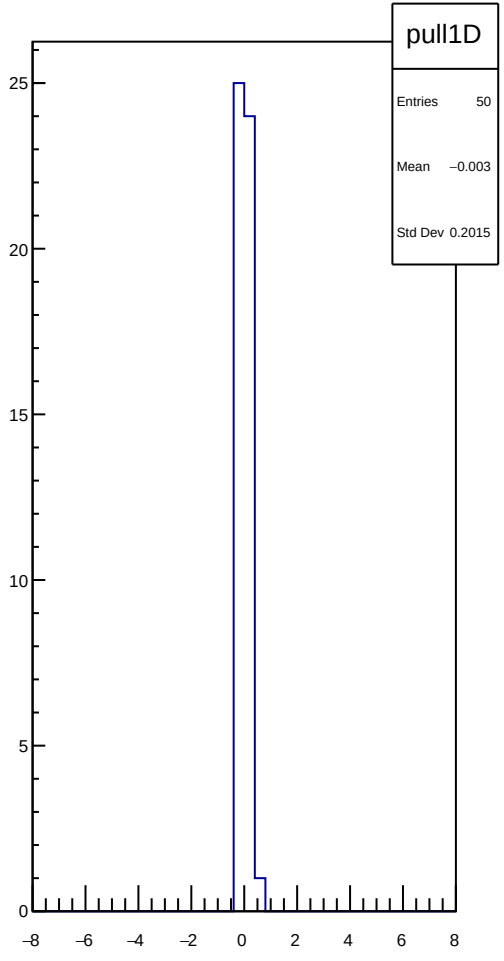

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.44 / 49
p0 −104.4 ± 1.844
pull
Entries 50
Mean −40.77
Std Dev 81.57

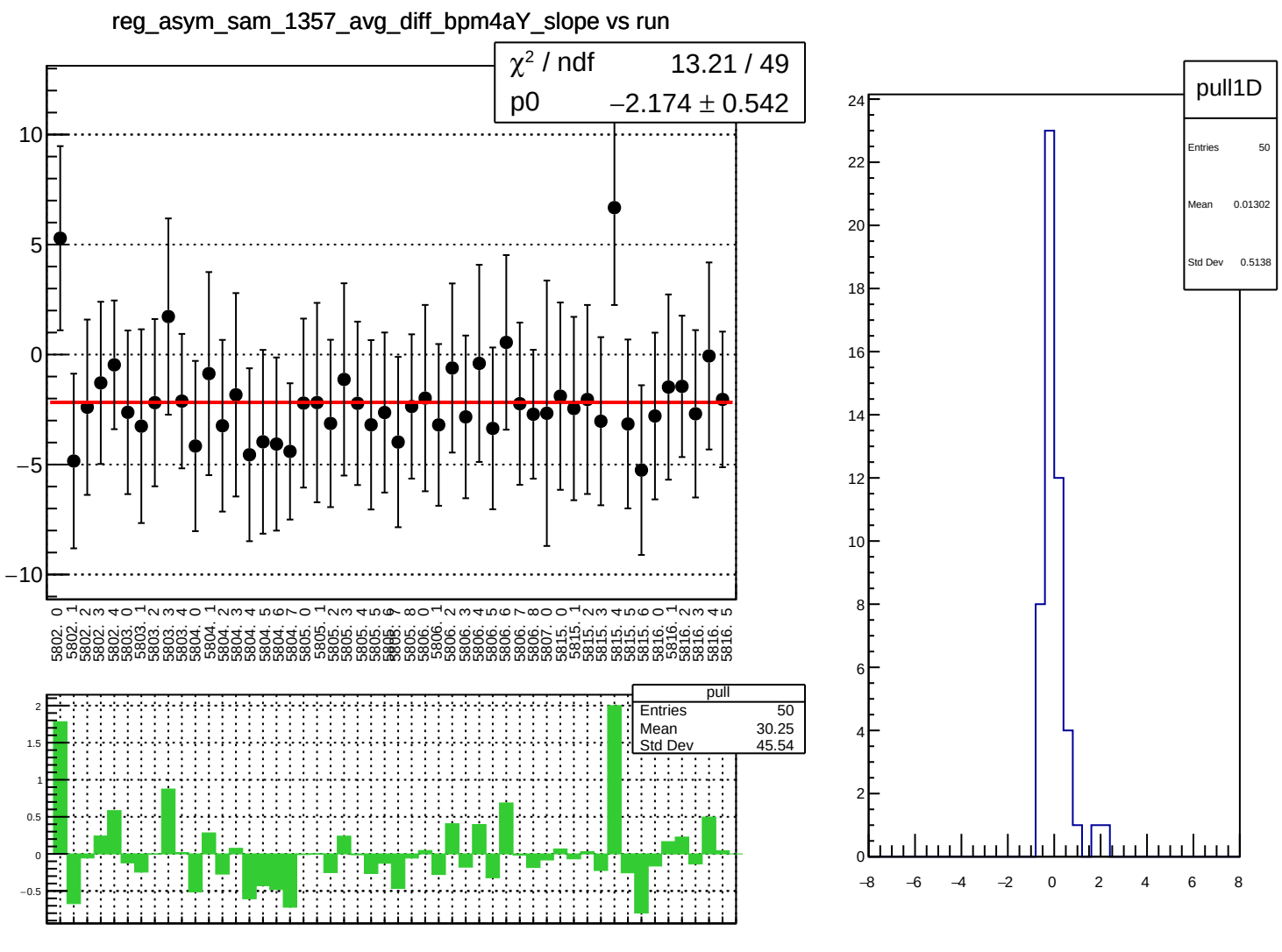

pull1D
Entries 50
Mean 0.01842
Std Dev 0.478

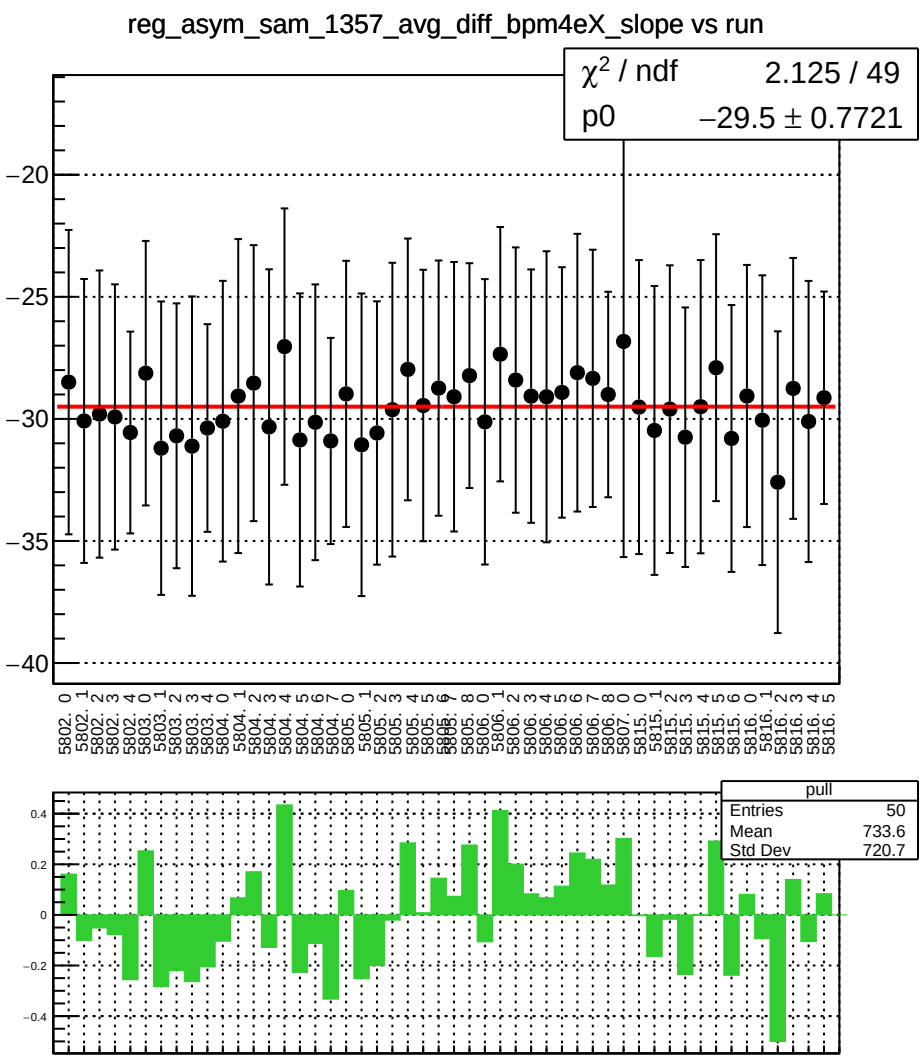

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.816 / 49
p0 −0.815 ± 0.1119
pull
Entries 50
Mean 730.2
Std Dev 701.9

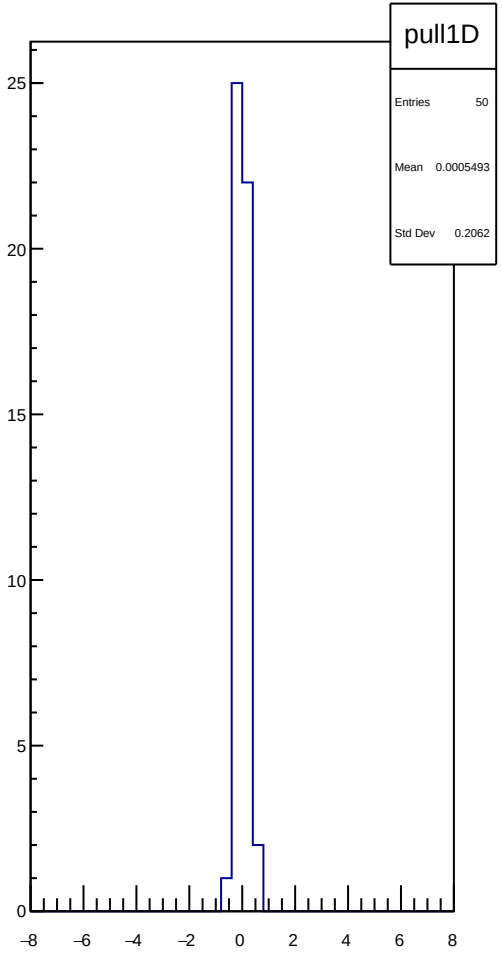

pull1D
Entries 50
Mean −0.003555
Std Dev 0.2762

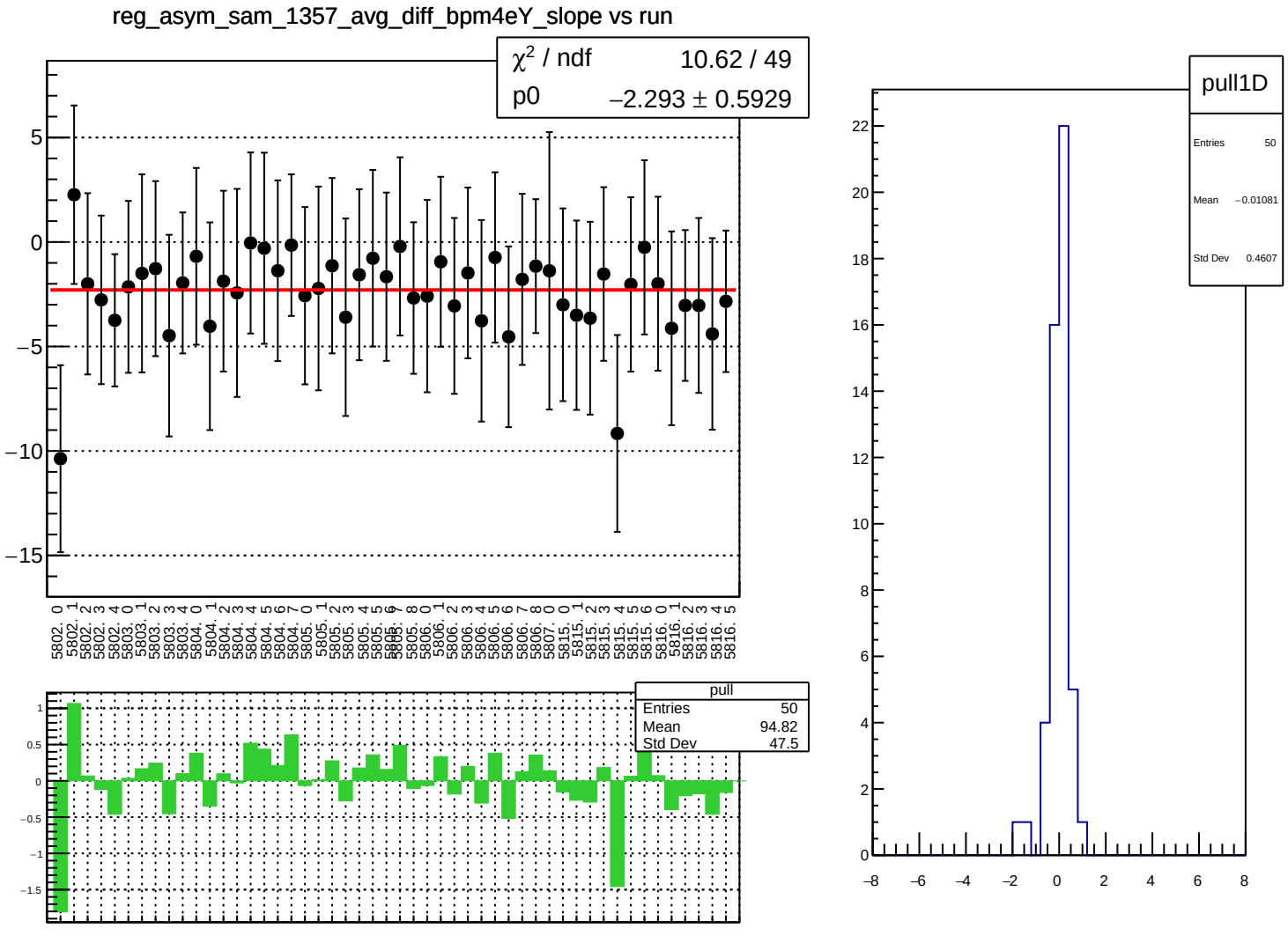

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.03 / 49
p0 −3.983 ± 0.6066
pull
Entries 50
Mean −19.56
Std Dev 83.17

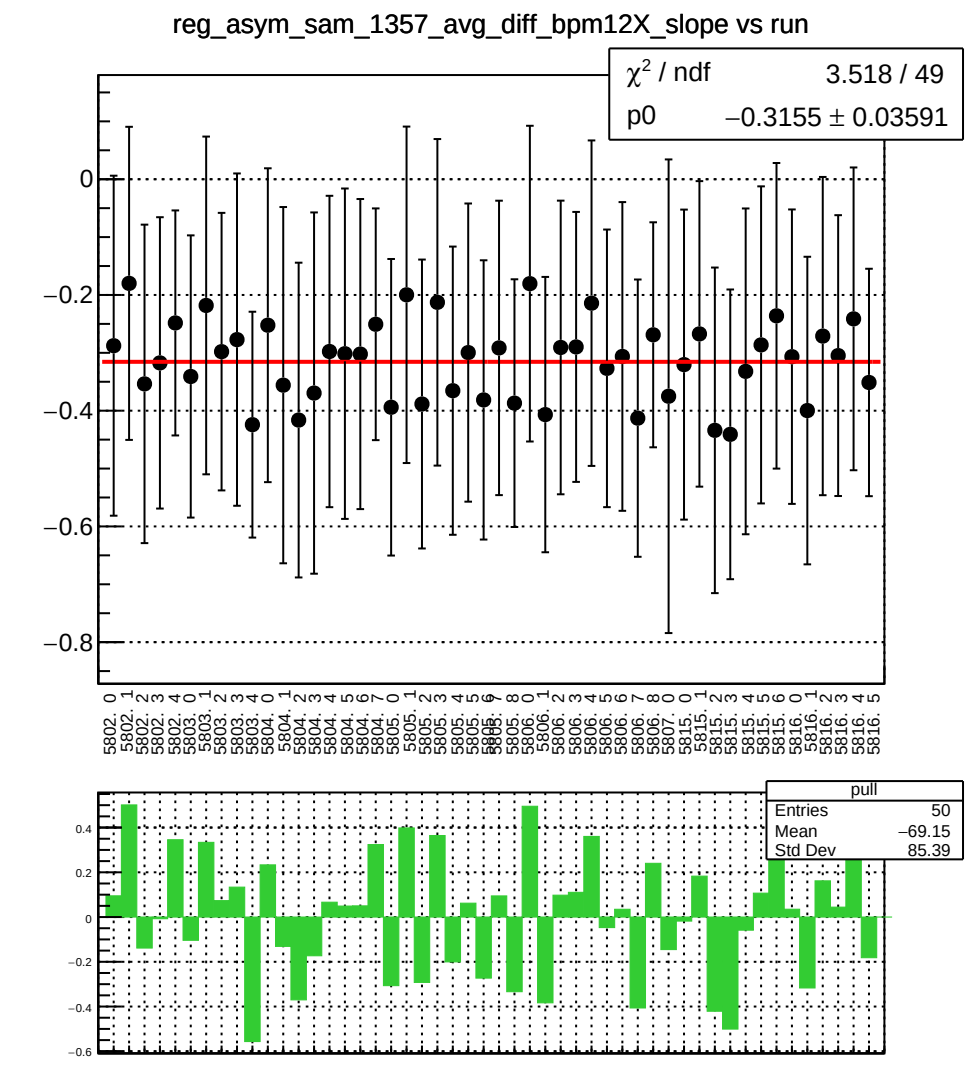

pull1D
Entries 50
Mean −0.003
Std Dev 0.2015

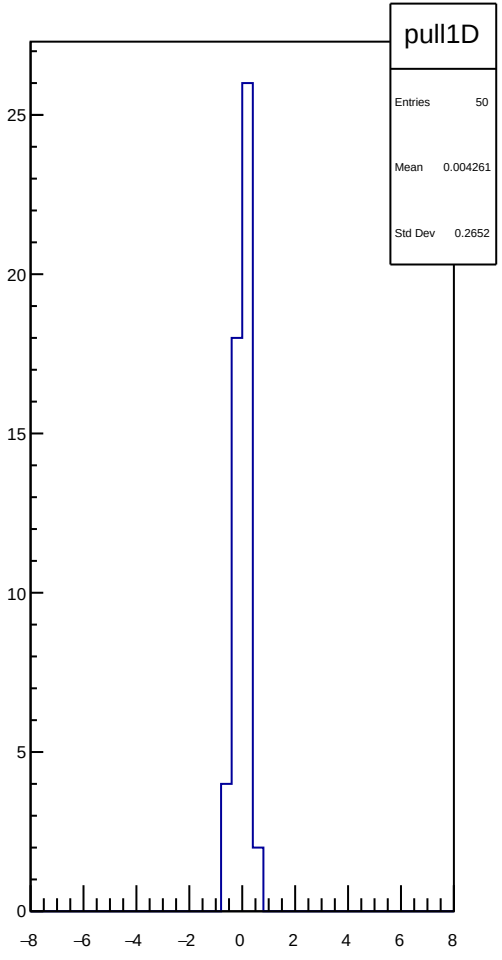

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.21 / 49
p0 −2.174 ± 0.542
pull
Entries 50
Mean 30.25
Std Dev 45.54
pull1D
Entries 50
Mean 0.01302
Std Dev 0.5138

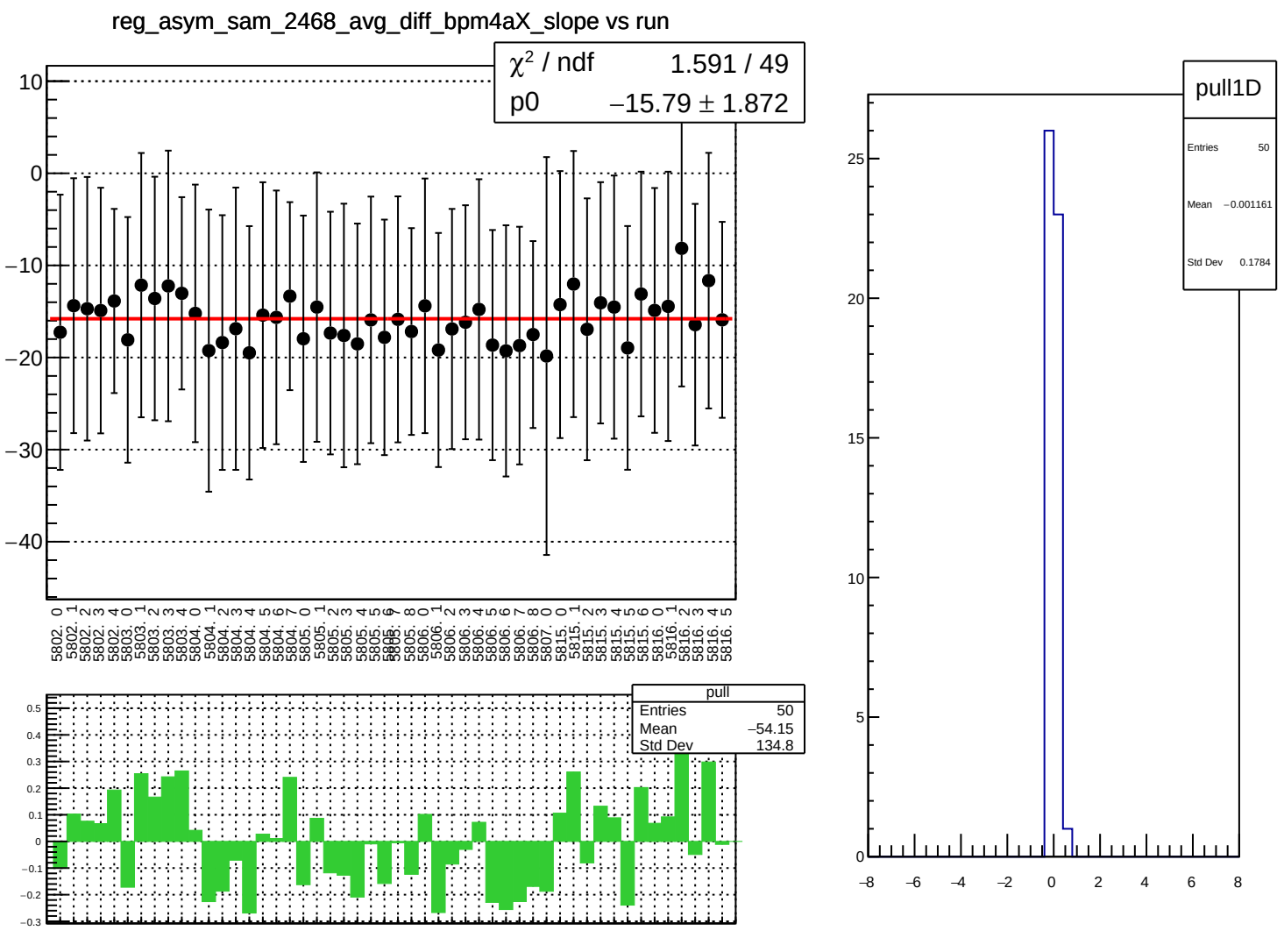

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.125 / 49
p0 −29.5 ± 0.7721
pull
Entries 50
Mean 733.6
Std Dev 720.7

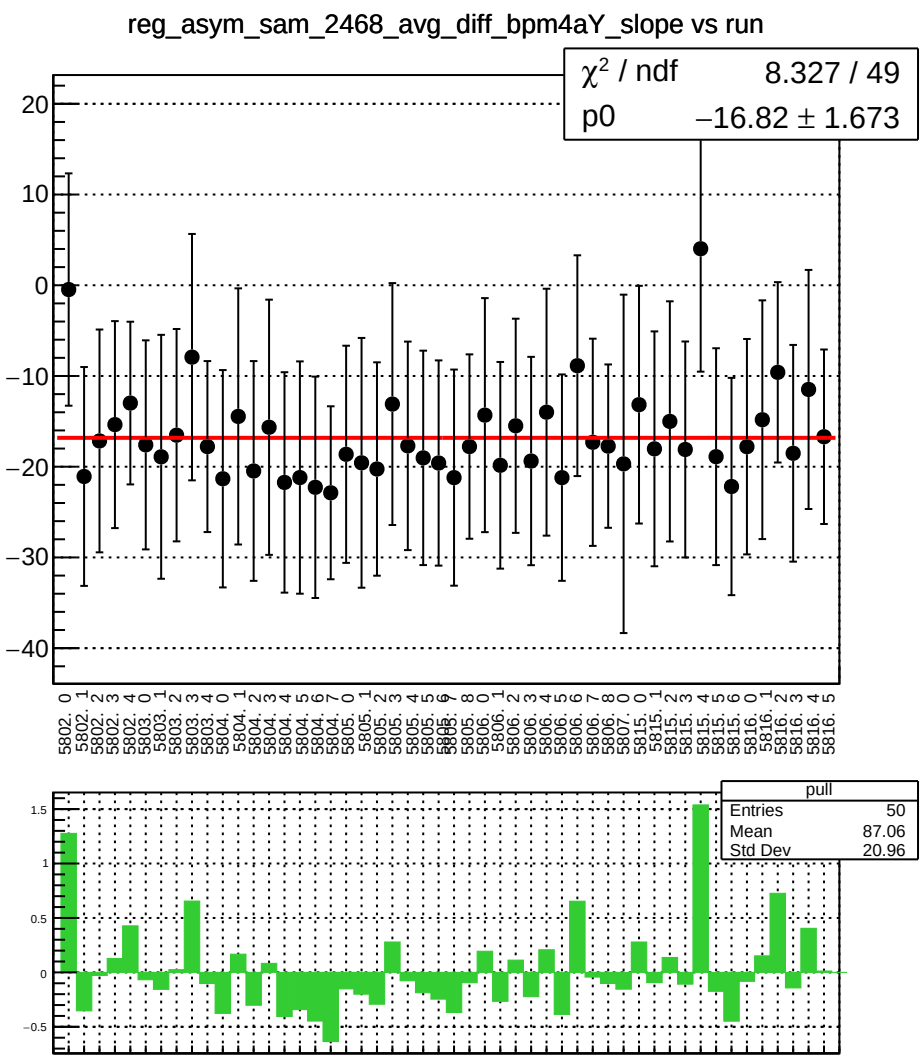

pull1D
Entries 50
Mean 0.0005493
Std Dev 0.2062

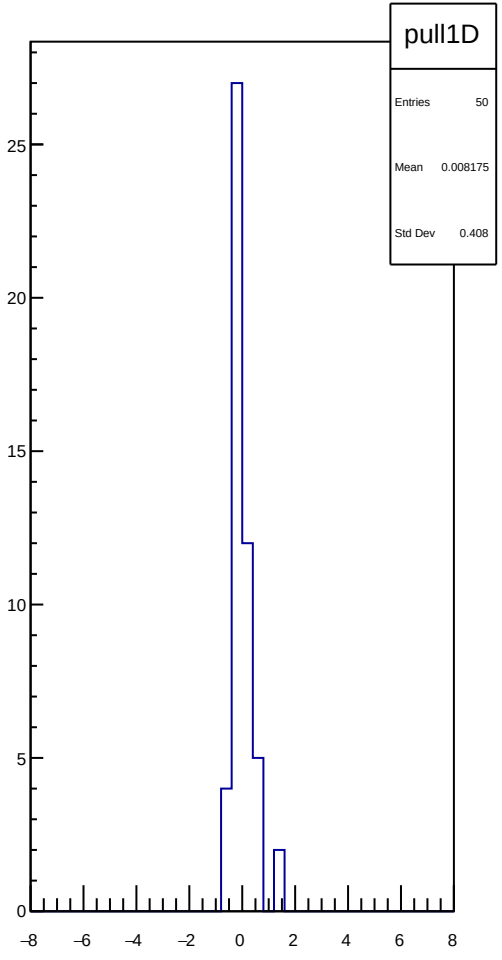

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.62 / 49
p0 −2.293 ± 0.5929
pull
Entries 50
Mean 94.82
Std Dev 47.5
pull1D
Entries 50
Mean −0.01081
Std Dev 0.4607

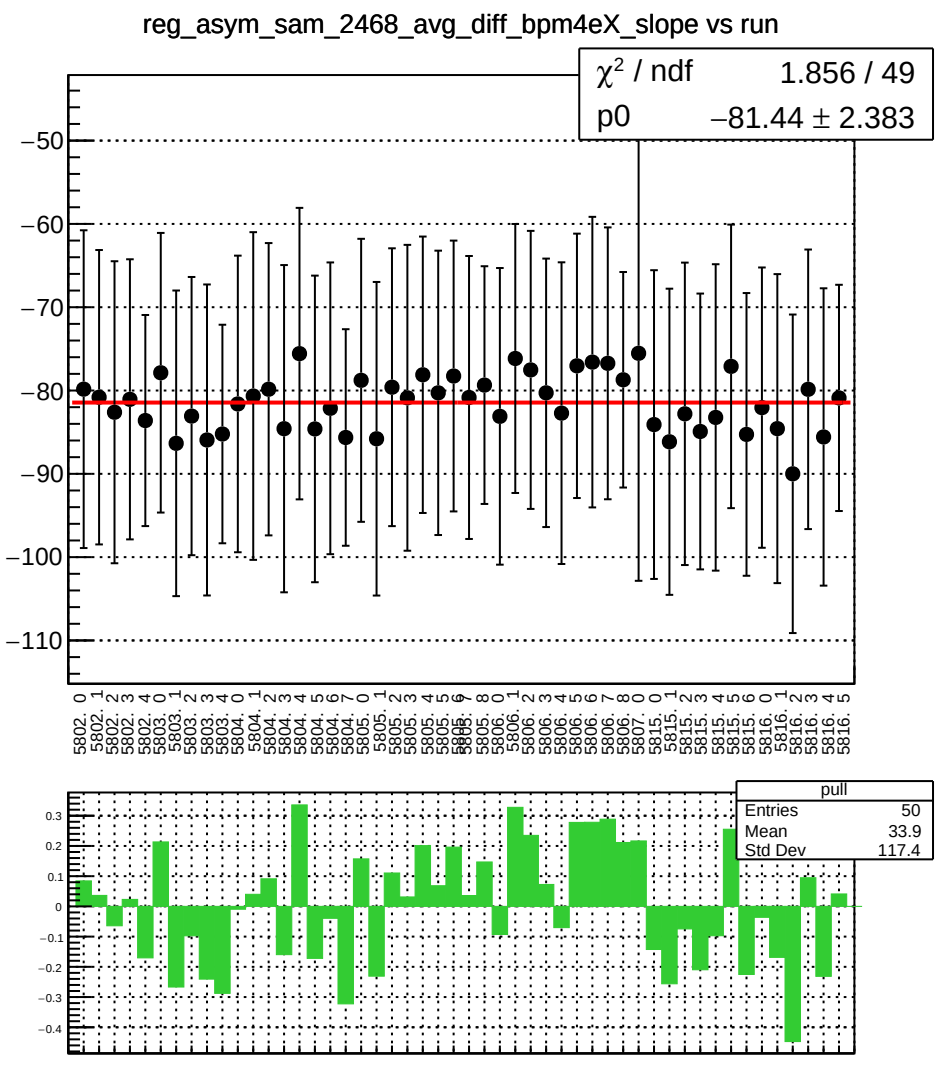

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.518 / 49
p0 −0.3155 ± 0.03591
pull
Entries 50
Mean −69.15
Std Dev 85.39

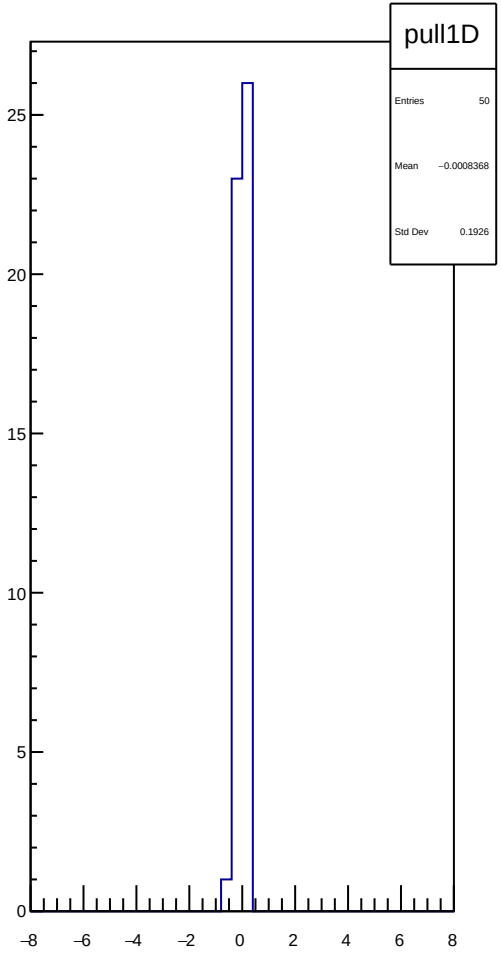

pull1D
Entries 50
Mean 0.004261
Std Dev 0.2652

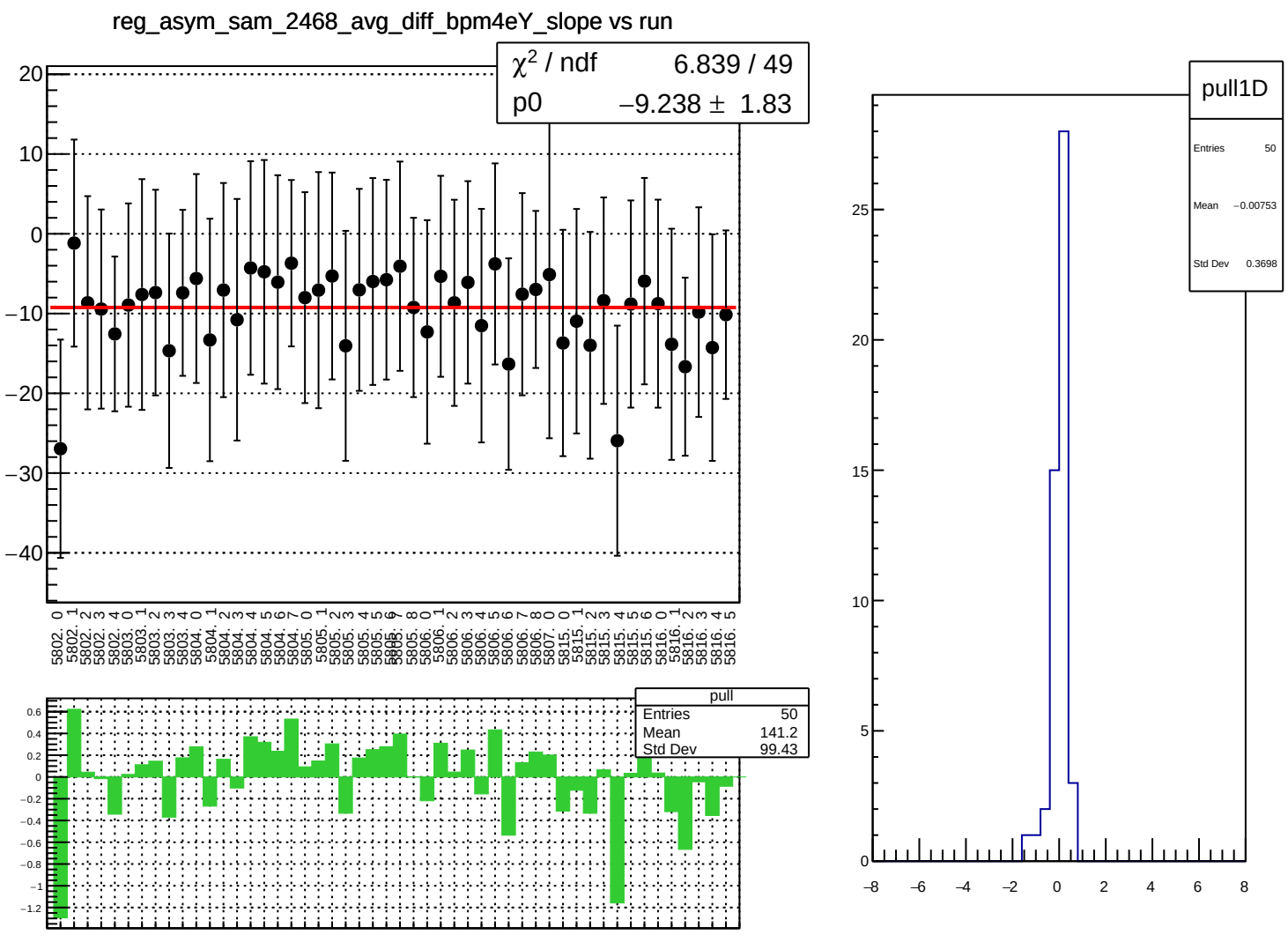

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.591 / 49
p0 −15.79 ± 1.872
pull
Entries 50
Mean −54.15
Std Dev 134.8
pull1D
Entries 50
Mean −0.001161
Std Dev 0.1784

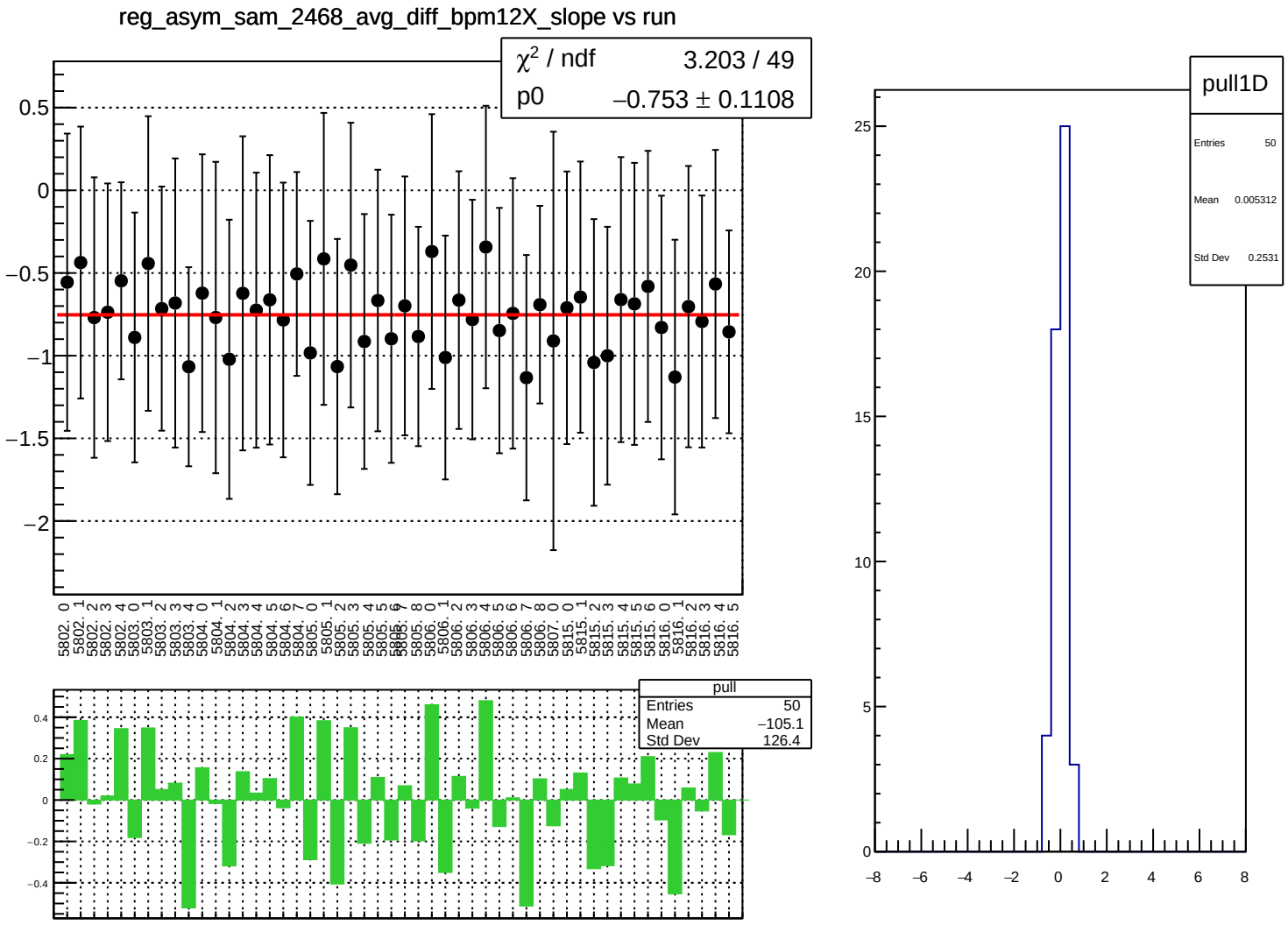

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.327 / 49
p0 −16.82 ± 1.673
pull
Entries 50
Mean 87.06
Std Dev 20.96

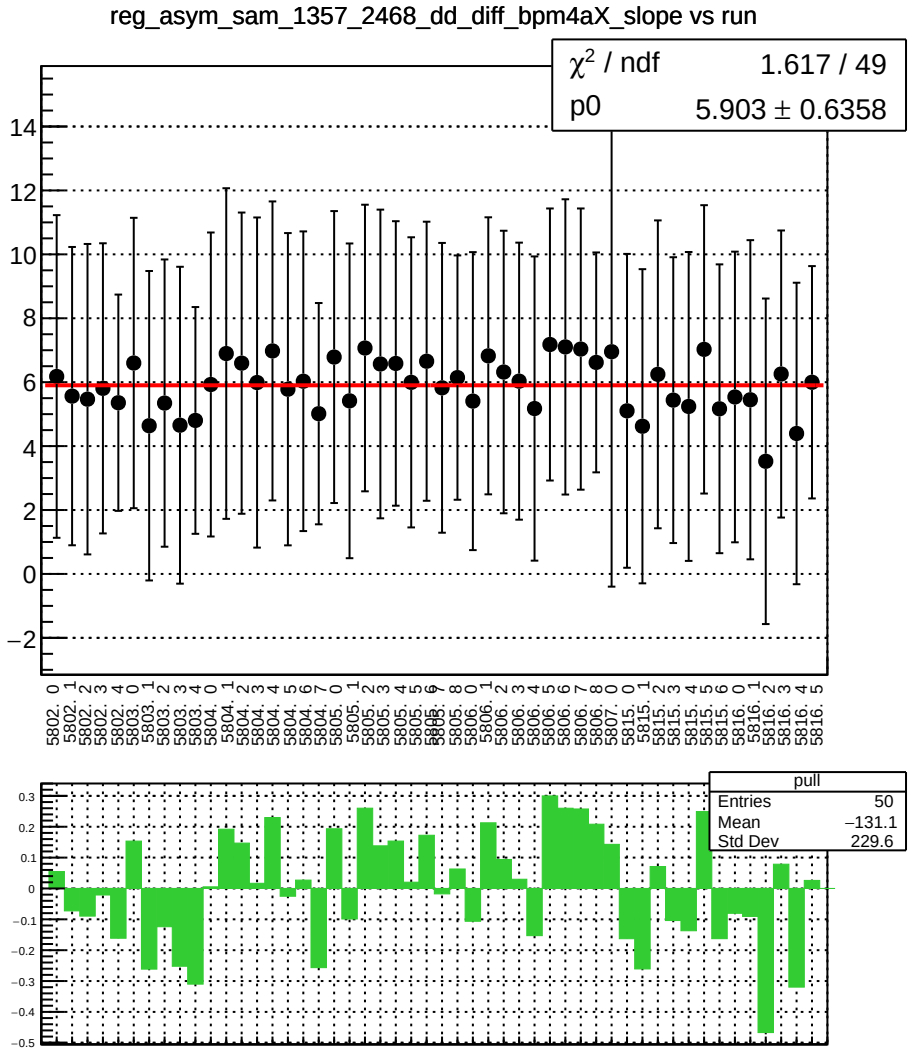

pull1D
Entries 50
Mean 0.008175
Std Dev 0.408

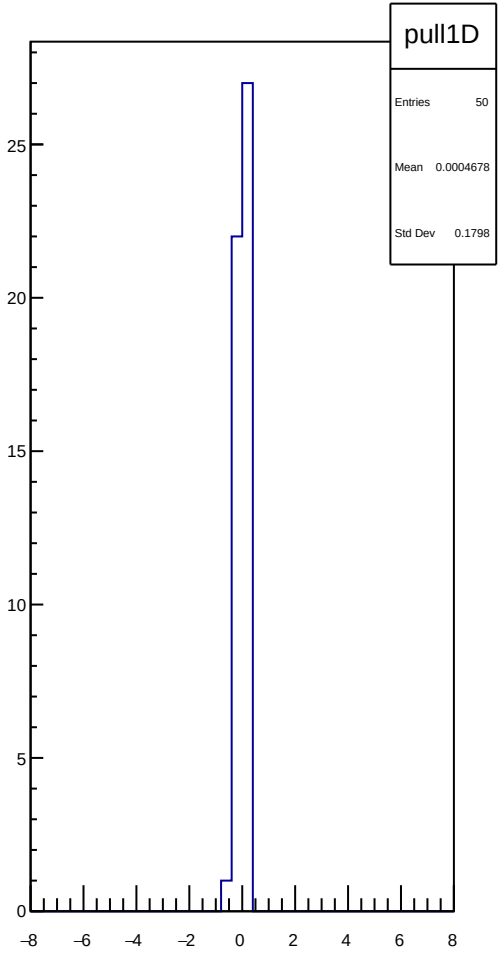

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.856 / 49
p0 −81.44 ± 2.383
pull
Entries 50
Mean 33.9
Std Dev 117.4

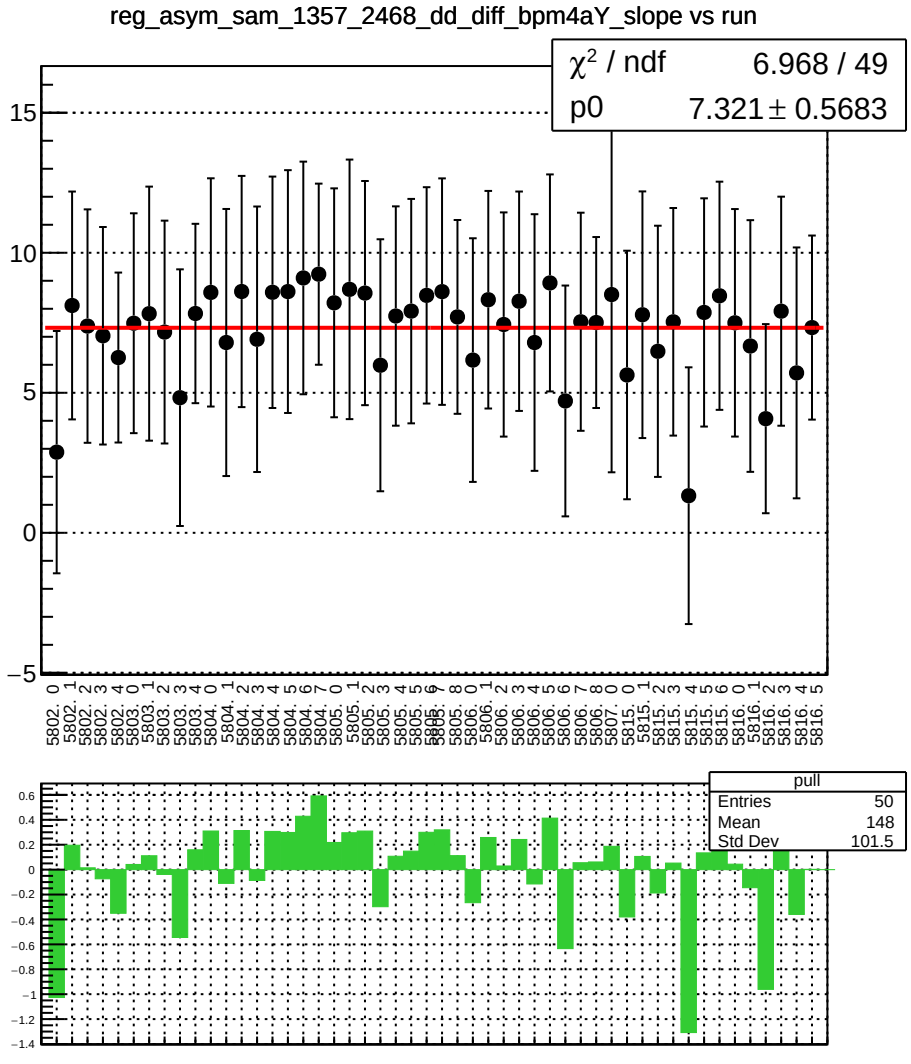

pull1D
Entries 50
Mean −0.0008368
Std Dev 0.1926

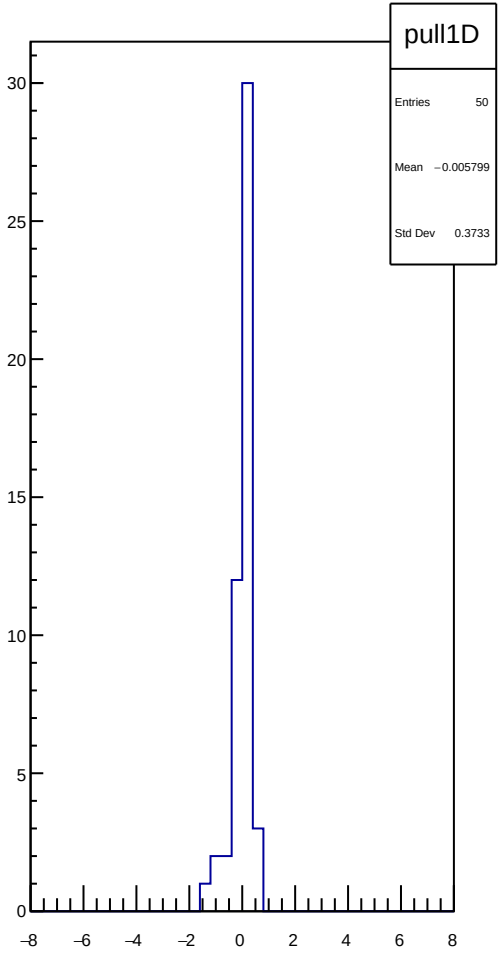

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.839 / 49
p0 −9.238 ± 1.83
pull
Entries 50
Mean 141.2
Std Dev 99.43
pull1D
Entries 50
Mean −0.00753
Std Dev 0.3698

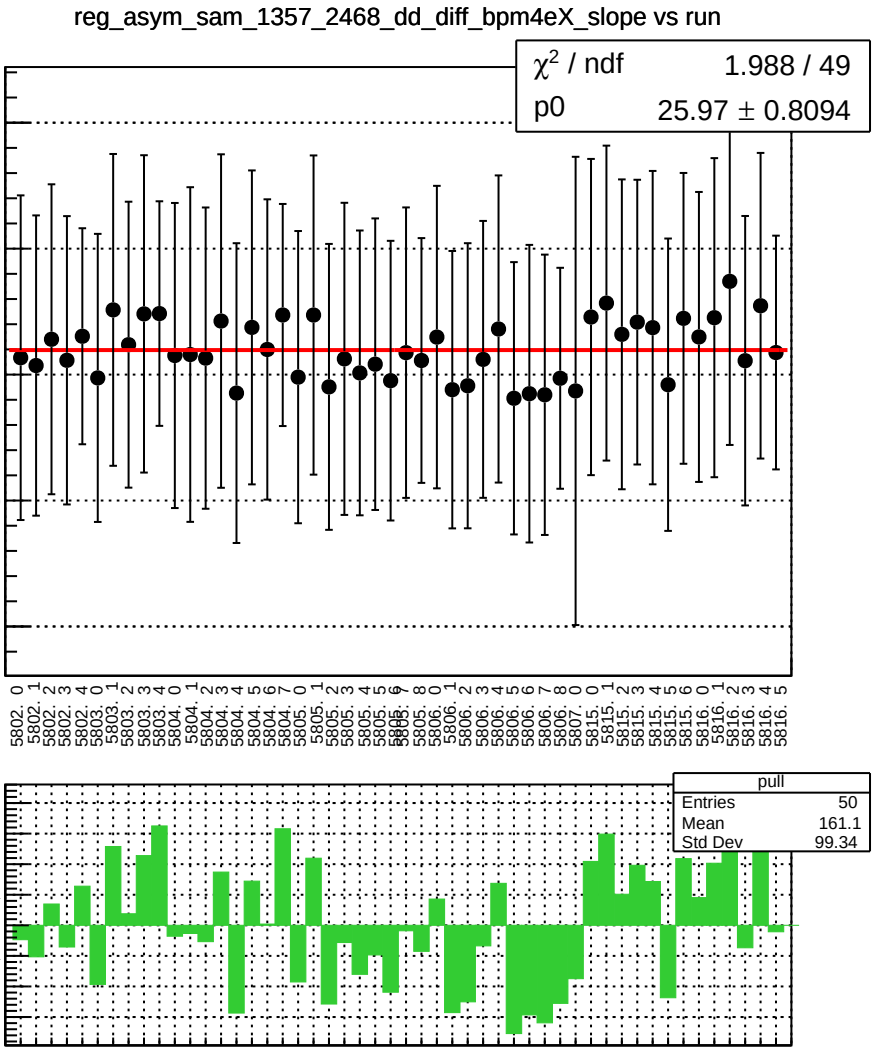

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.203 / 49
p0 −0.753 ± 0.1108
pull
Entries 50
Mean −105.1
Std Dev 126.4
pull1D
Entries 50
Mean 0.005312
Std Dev 0.2531

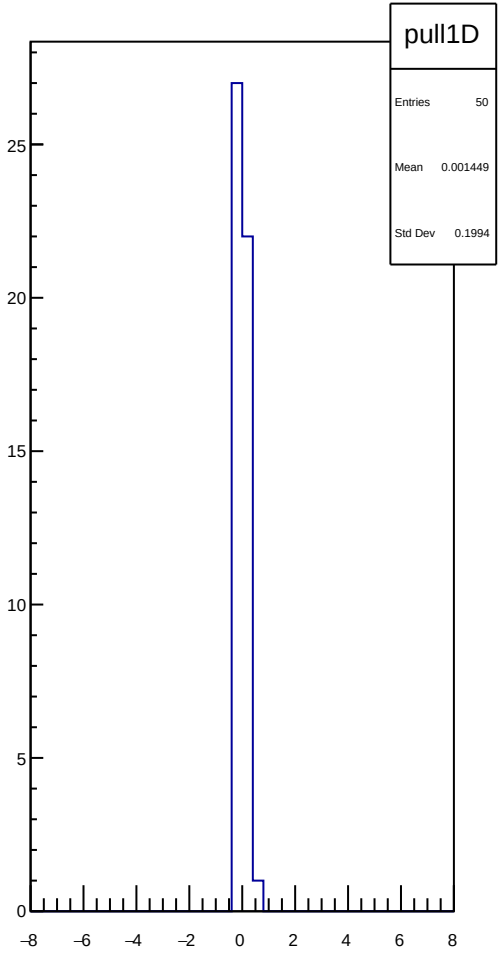

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.617 / 49
p0 5.903 ± 0.6358
pull
Entries 50
Mean −131.1
Std Dev 229.6

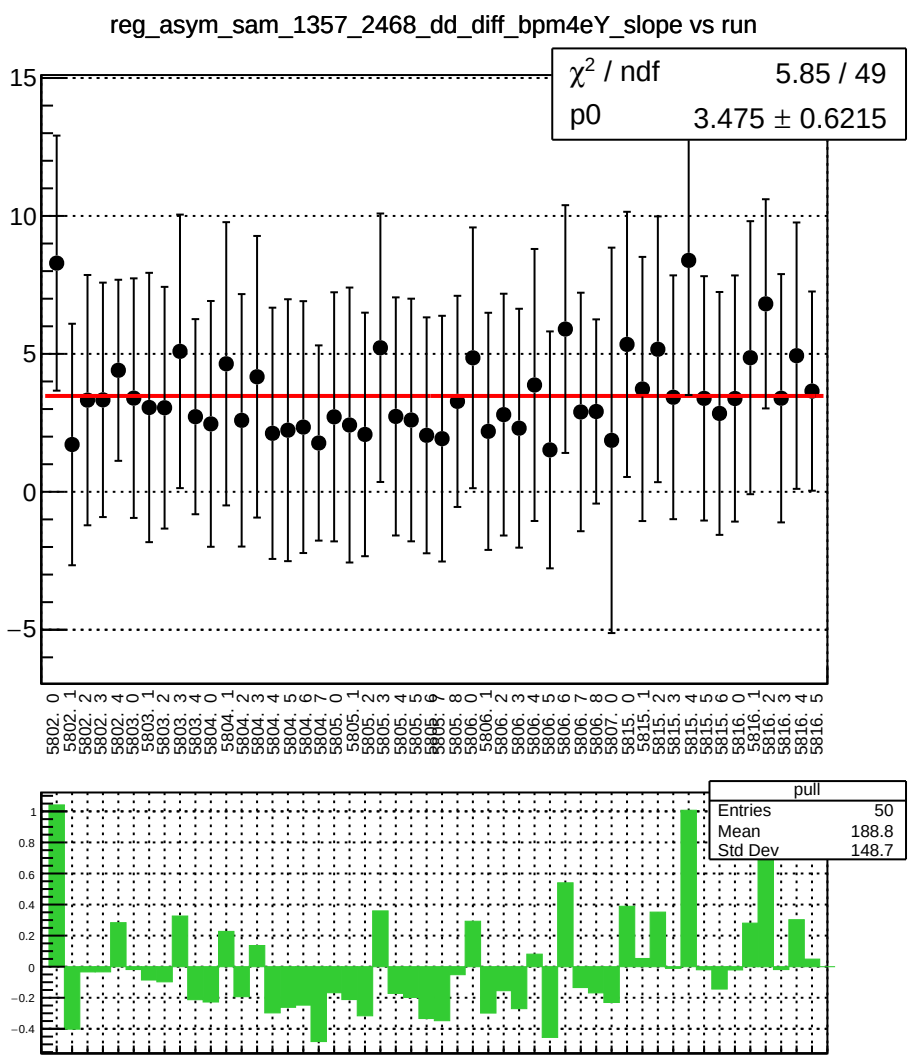

pull1D
Entries 50
Mean 0.0004678
Std Dev 0.1798

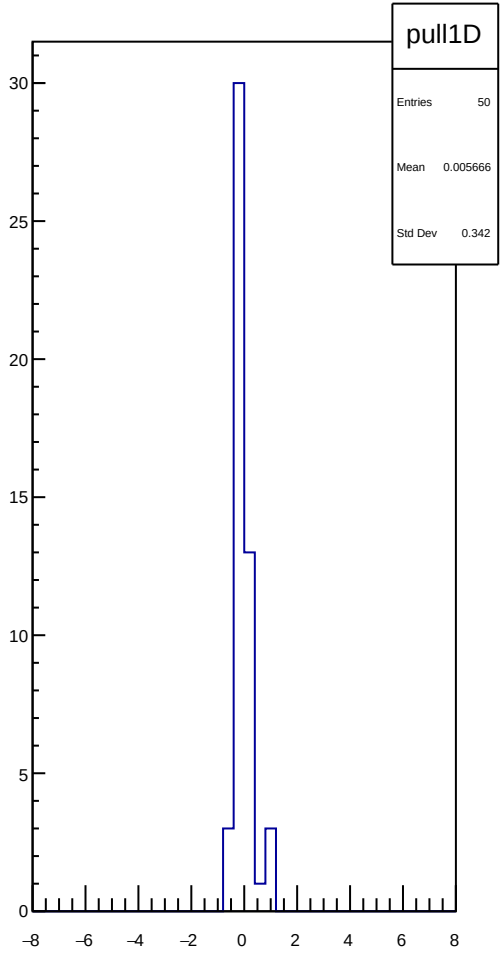

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.968 / 49
p0 7.321 ± 0.5683
pull
Entries 50
Mean 148
Std Dev 101.5

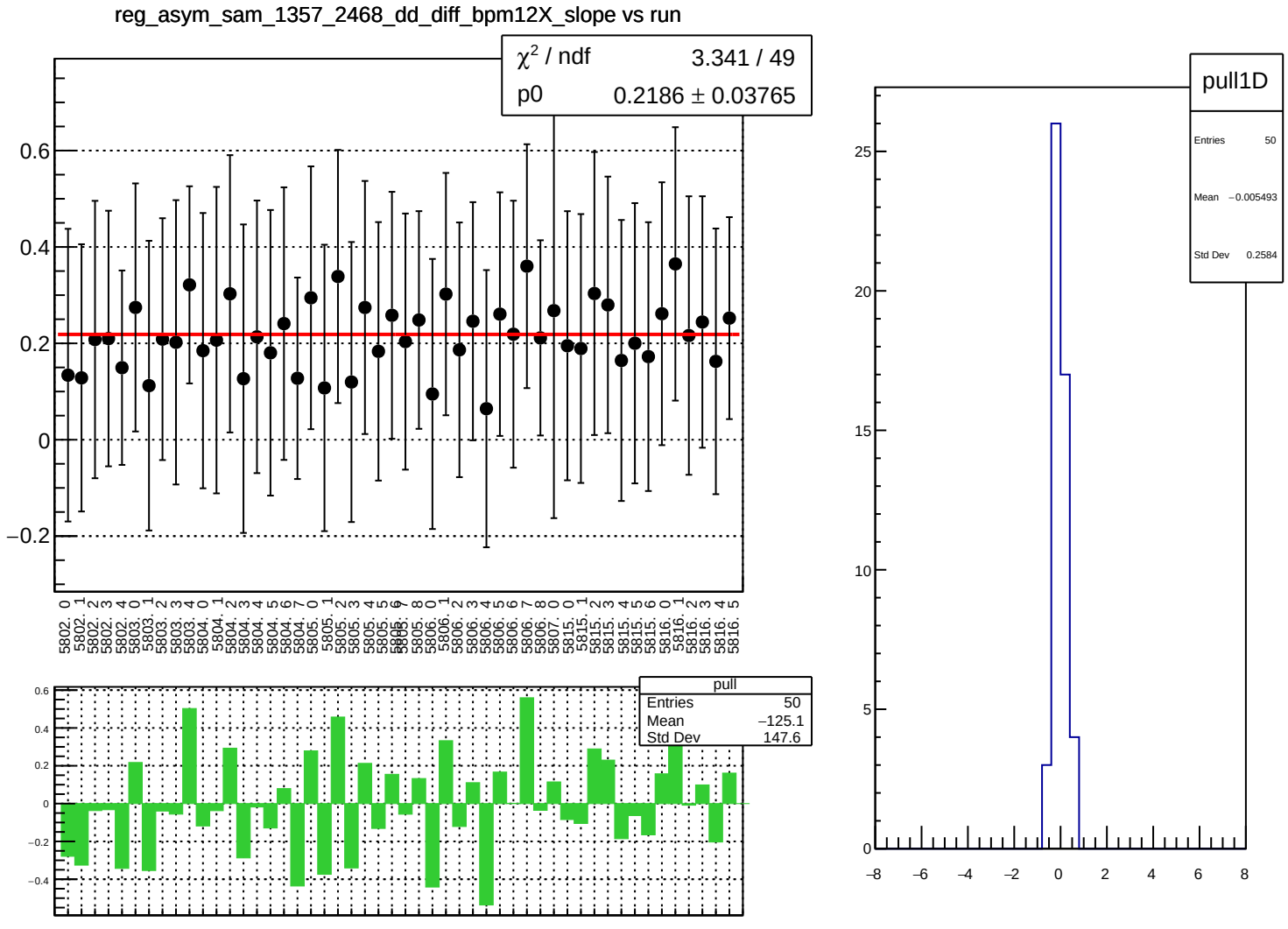

pull1D
Entries 50
Mean −0.005799
Std Dev 0.3733

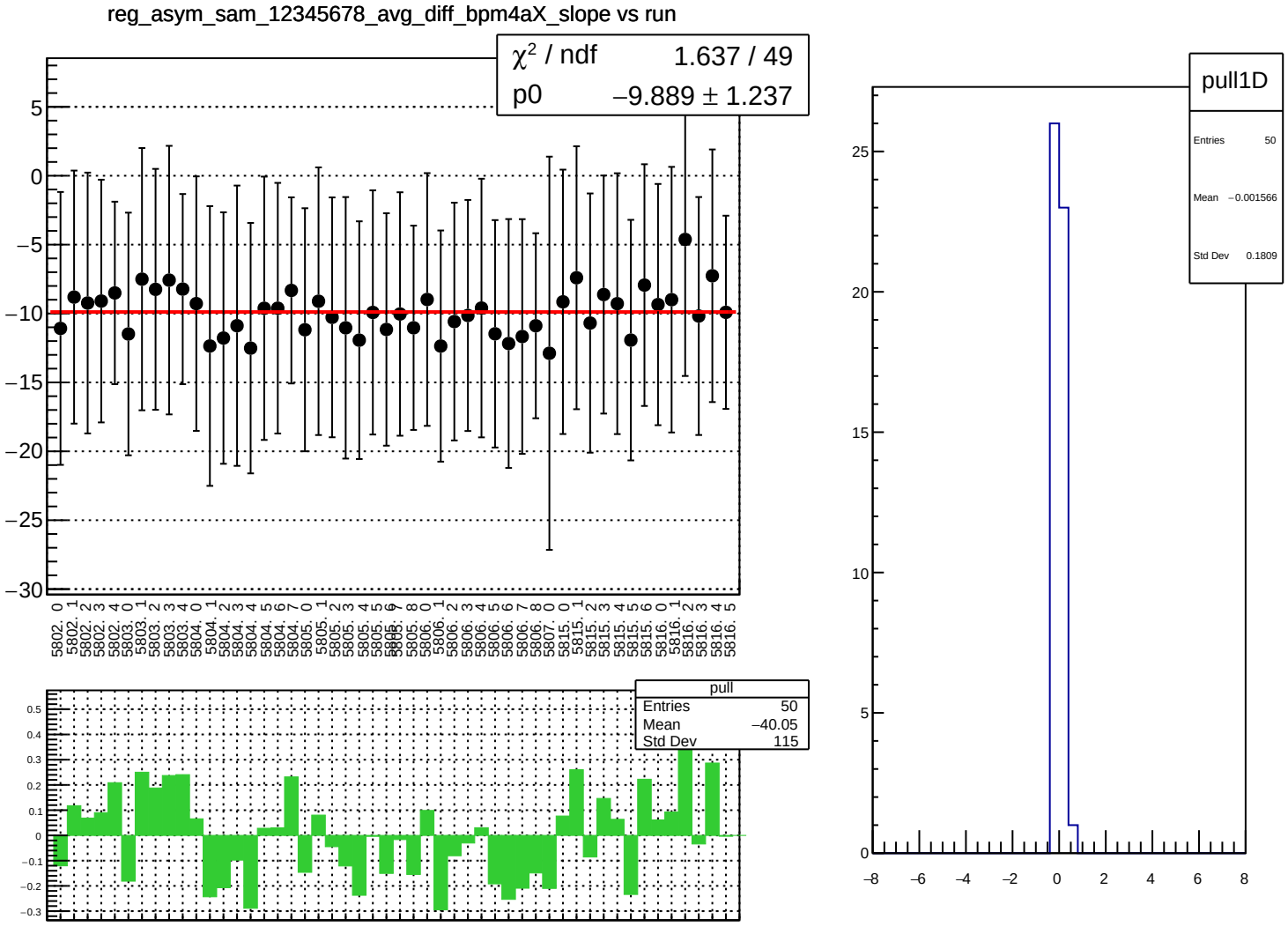

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.988 / 49
p0 25.97 ± 0.8094
pull
Entries 50
Mean 161.1
Std Dev 99.34

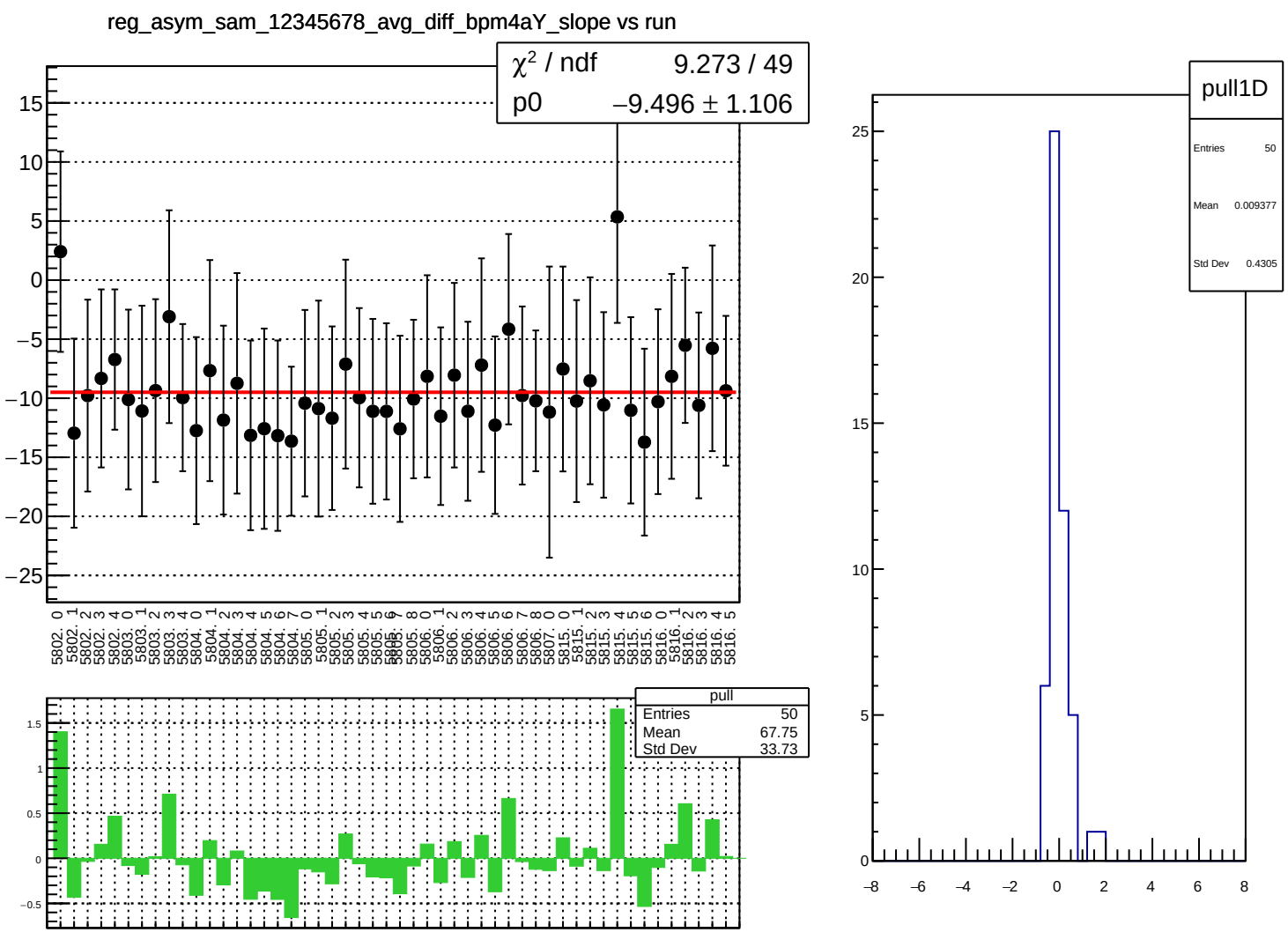

pull1D
Entries 50
Mean 0.001449
Std Dev 0.1994

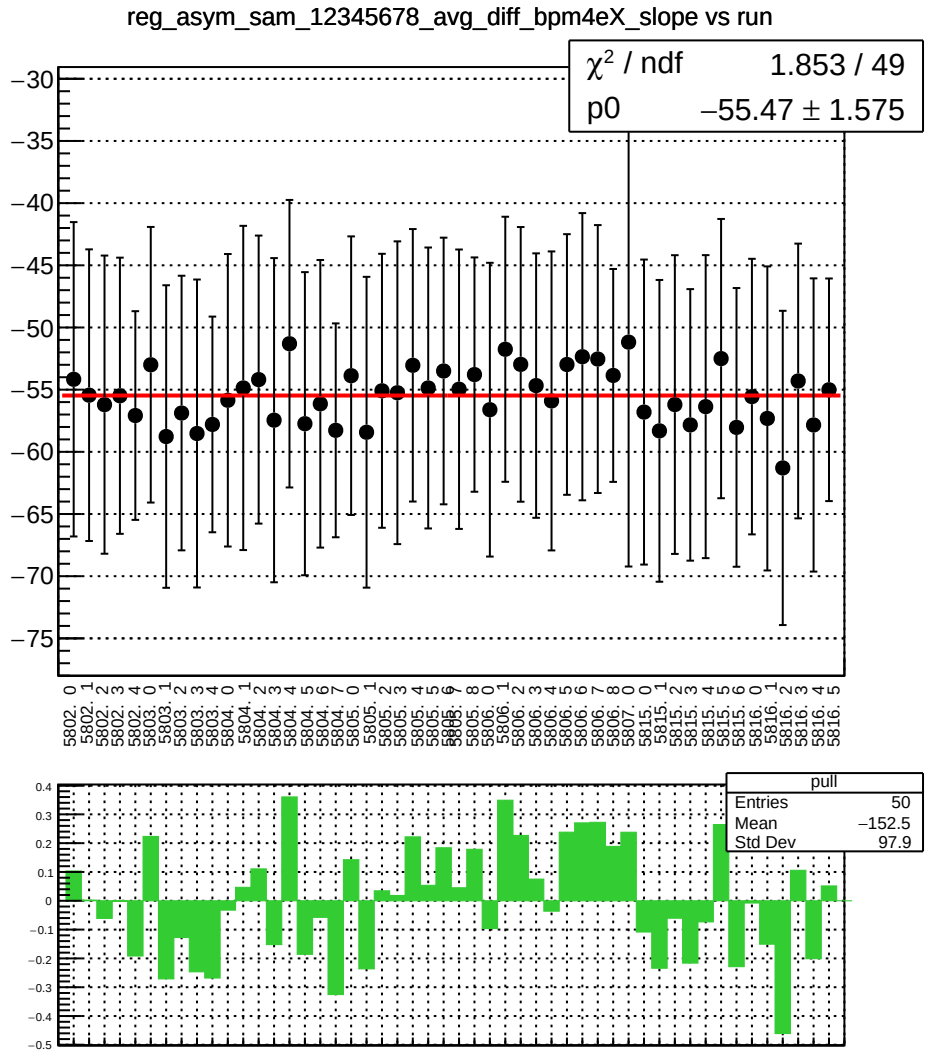

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.85 / 49
p0 3.475 ± 0.6215
pull
Entries 50
Mean 188.8
Std Dev 148.7

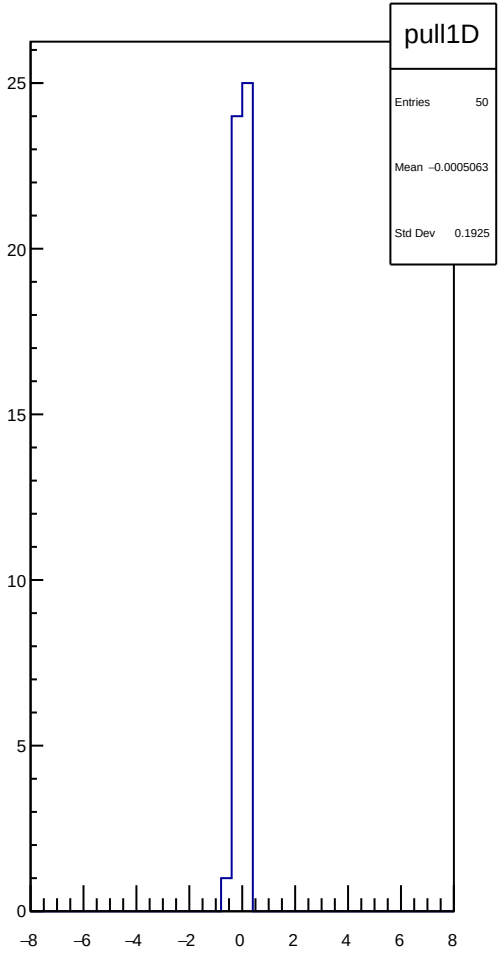

pull1D
Entries 50
Mean 0.005666
Std Dev 0.342

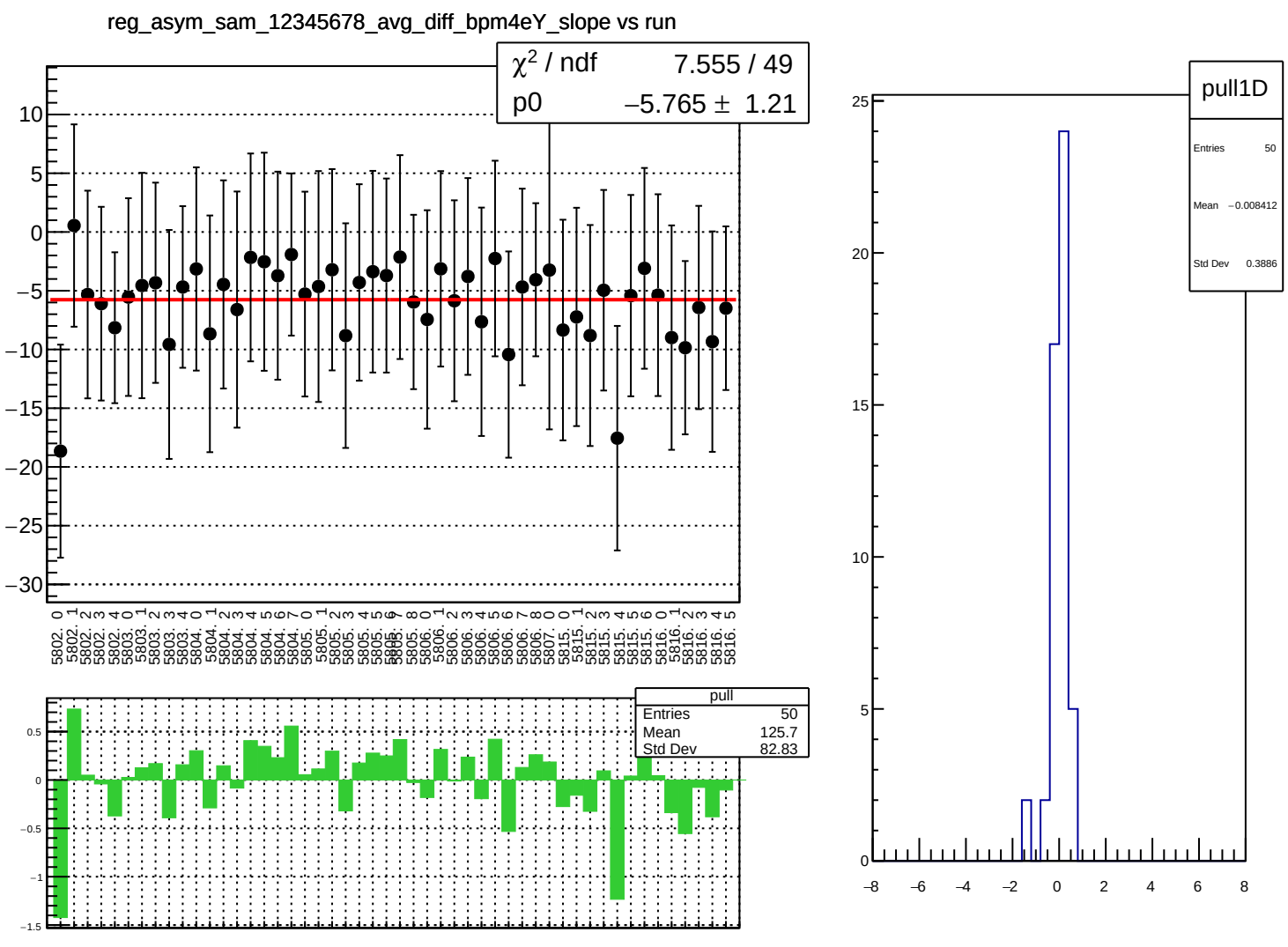

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.341 / 49
p0 0.2186 ± 0.03765
pull
Entries 50
Mean −125.1
Std Dev 147.6
pull1D
Entries 50
Mean −0.005493
Std Dev 0.2584

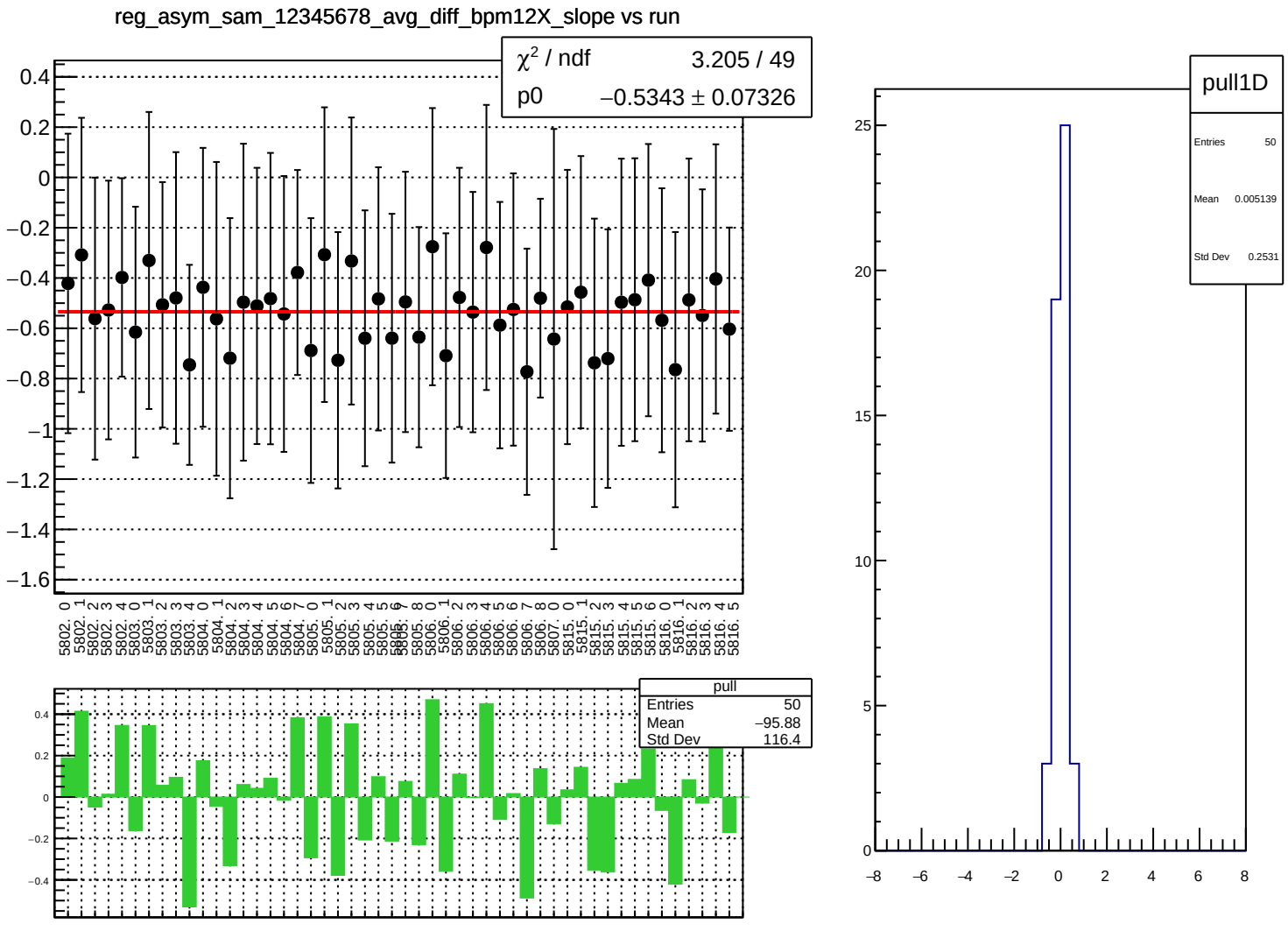

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.637 / 49
p0 −9.889 ± 1.237
pull
Entries 50
Mean −40.05
Std Dev 115
pull1D
Entries 50
Mean −0.001566
Std Dev 0.1809

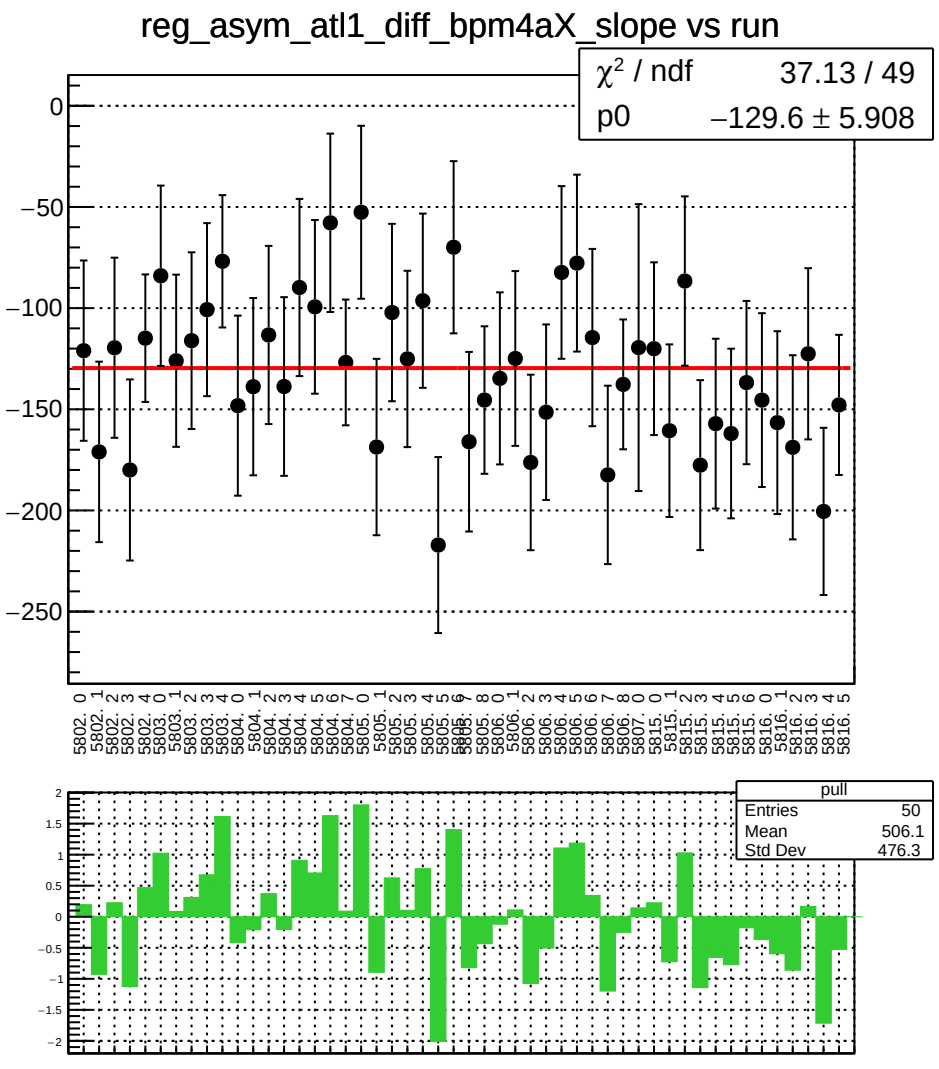

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.273 / 49
p0 −9.496 ± 1.106
pull
Entries 50
Mean 67.75
Std Dev 33.73
pull1D
Entries 50
Mean 0.009377
Std Dev 0.4305

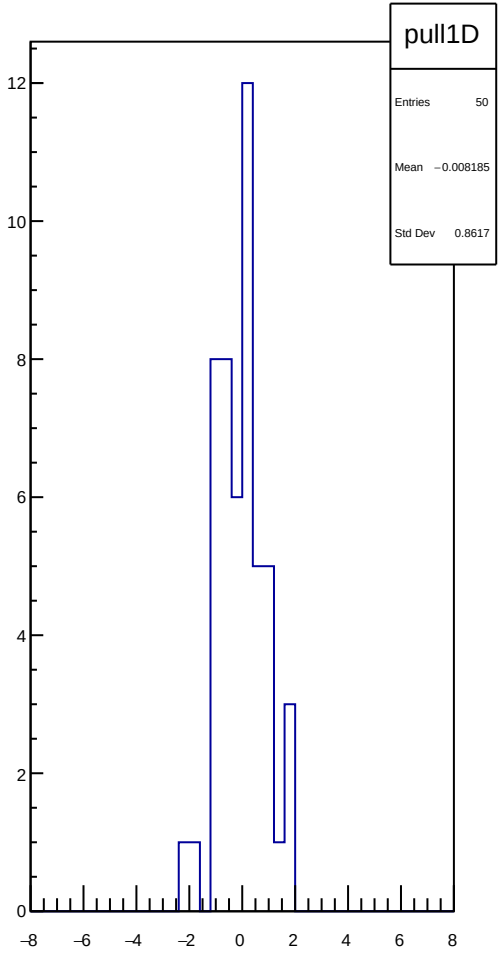

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.853 / 49
p0 −55.47 ± 1.575
pull
Entries 50
Mean −152.5
Std Dev 97.9

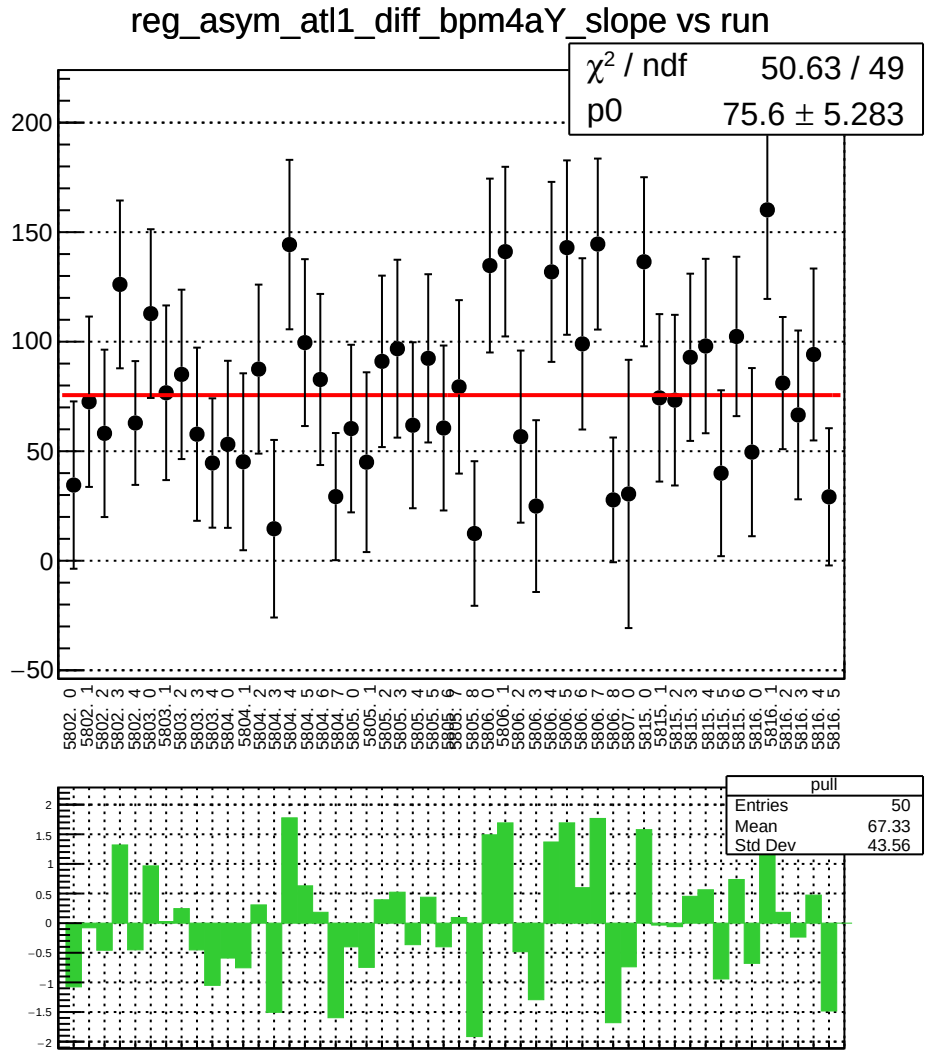

pull1D
Entries 50
Mean −0.0005063
Std Dev 0.1925

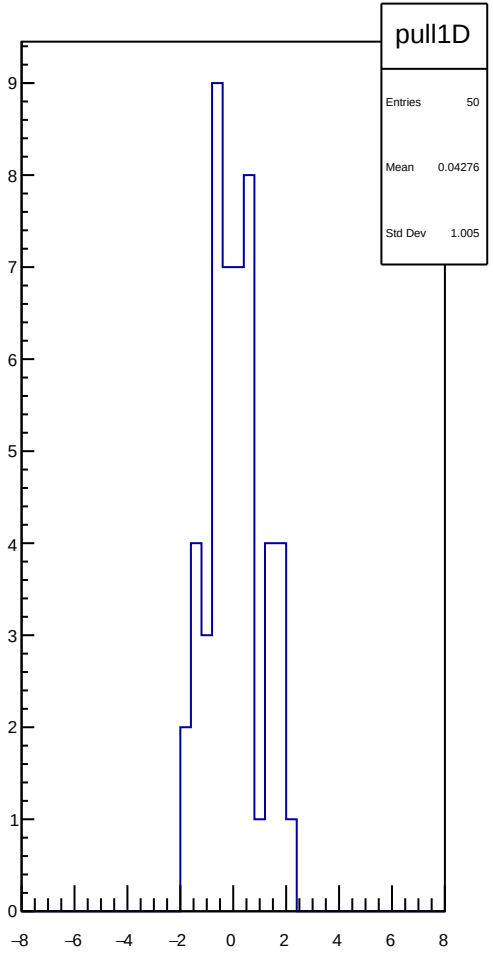

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.555 / 49
p0 −5.765 ± 1.21
pull
Entries 50
Mean 125.7
Std Dev 82.83
pull1D
Entries 50
Mean −0.008412
Std Dev 0.3886

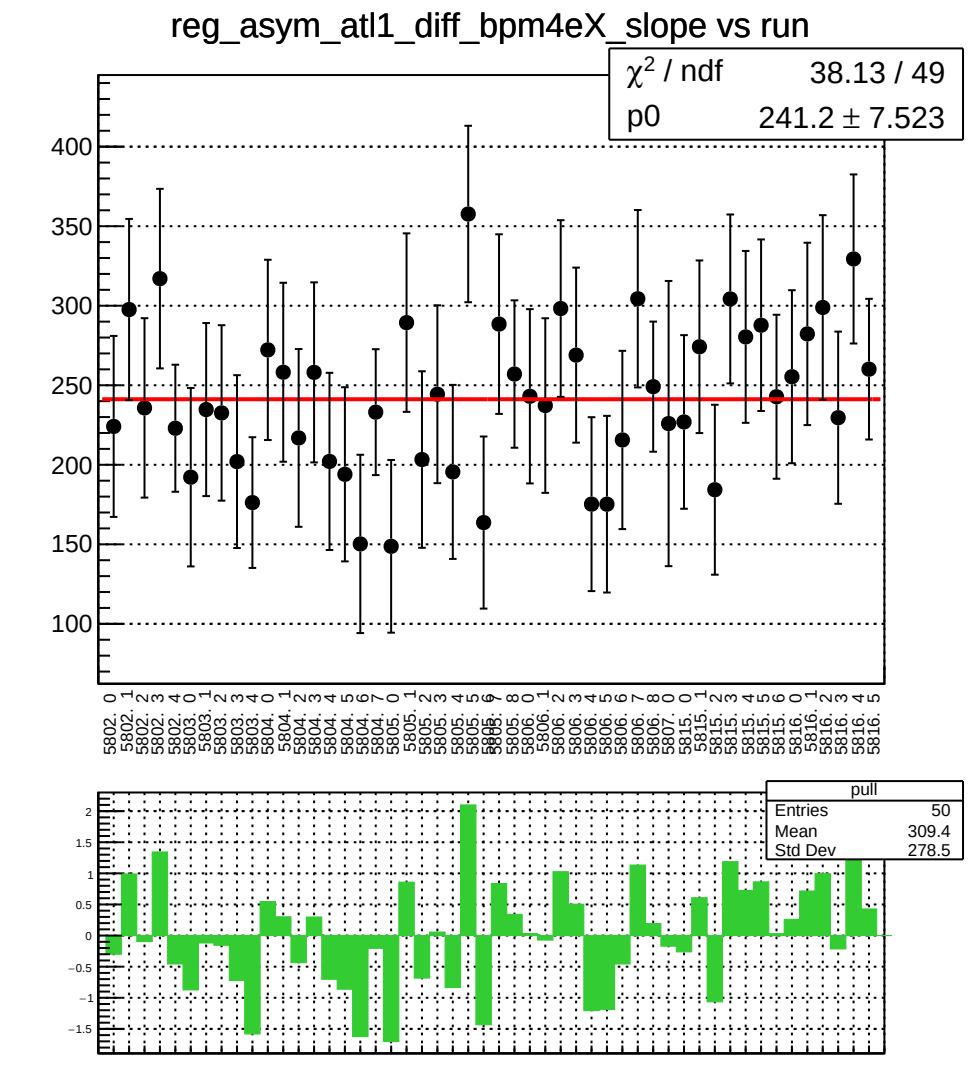

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.205 / 49
p0 −0.5343 ± 0.07326
pull
Entries 50
Mean −95.88
Std Dev 116.4
pull1D
Entries 50
Mean 0.005139
Std Dev 0.2531

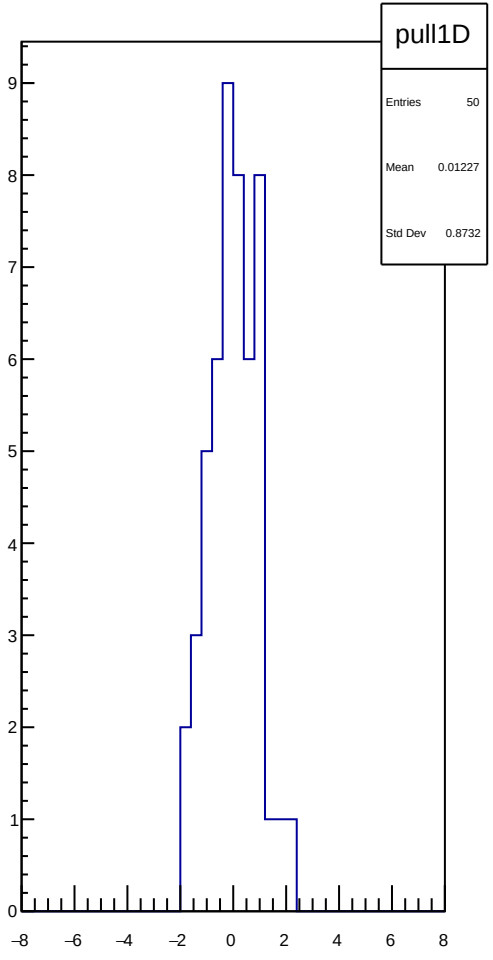

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 37.13 / 49
p0 −129.6 ± 5.908
pull
Entries 50
Mean 506.1
Std Dev 476.3

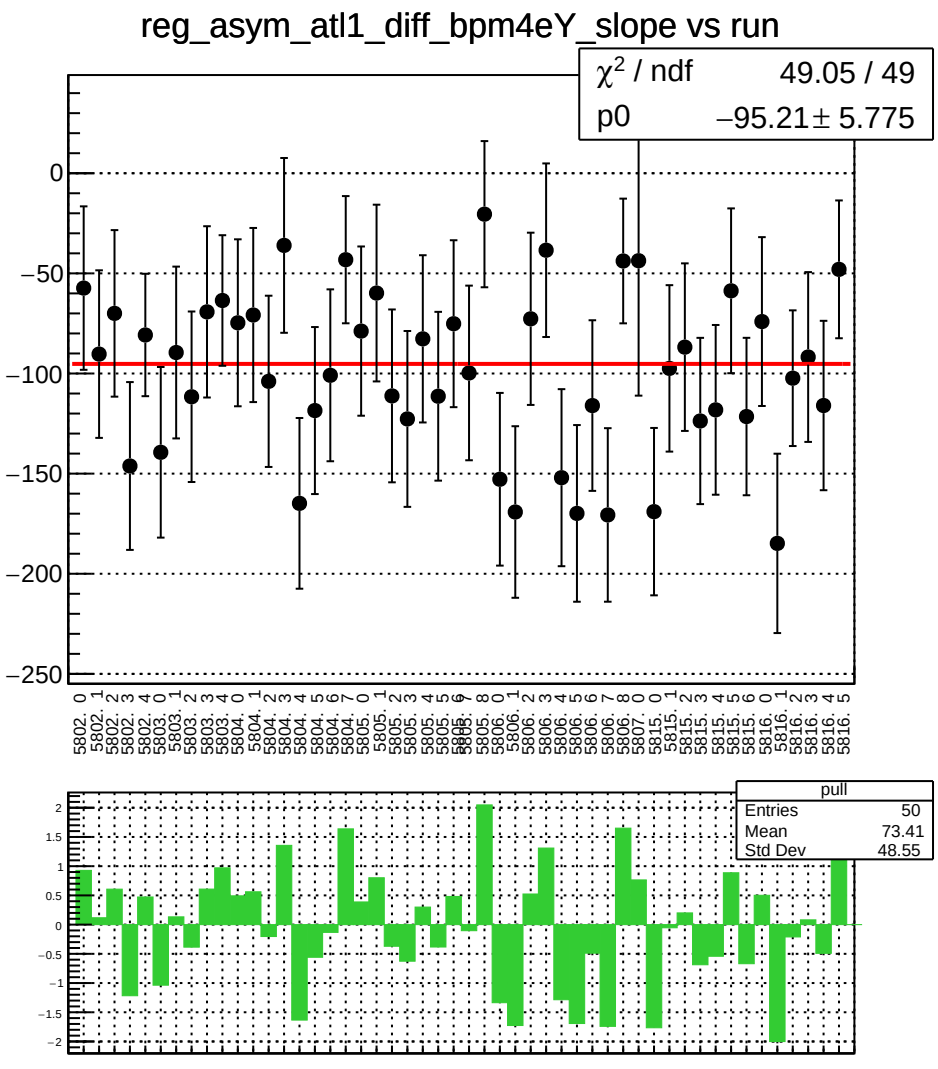

pull1D
Entries 50
Mean −0.008185
Std Dev 0.8617

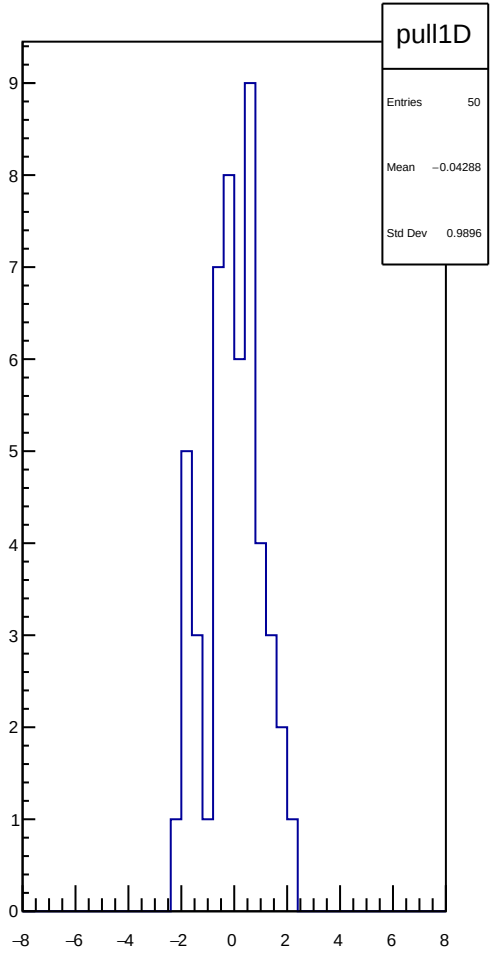

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 50.63 / 49
p0 75.6 ± 5.283
200
150
100
50
0
−50
pull
Entries 50
Mean 67.33
Std Dev 43.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

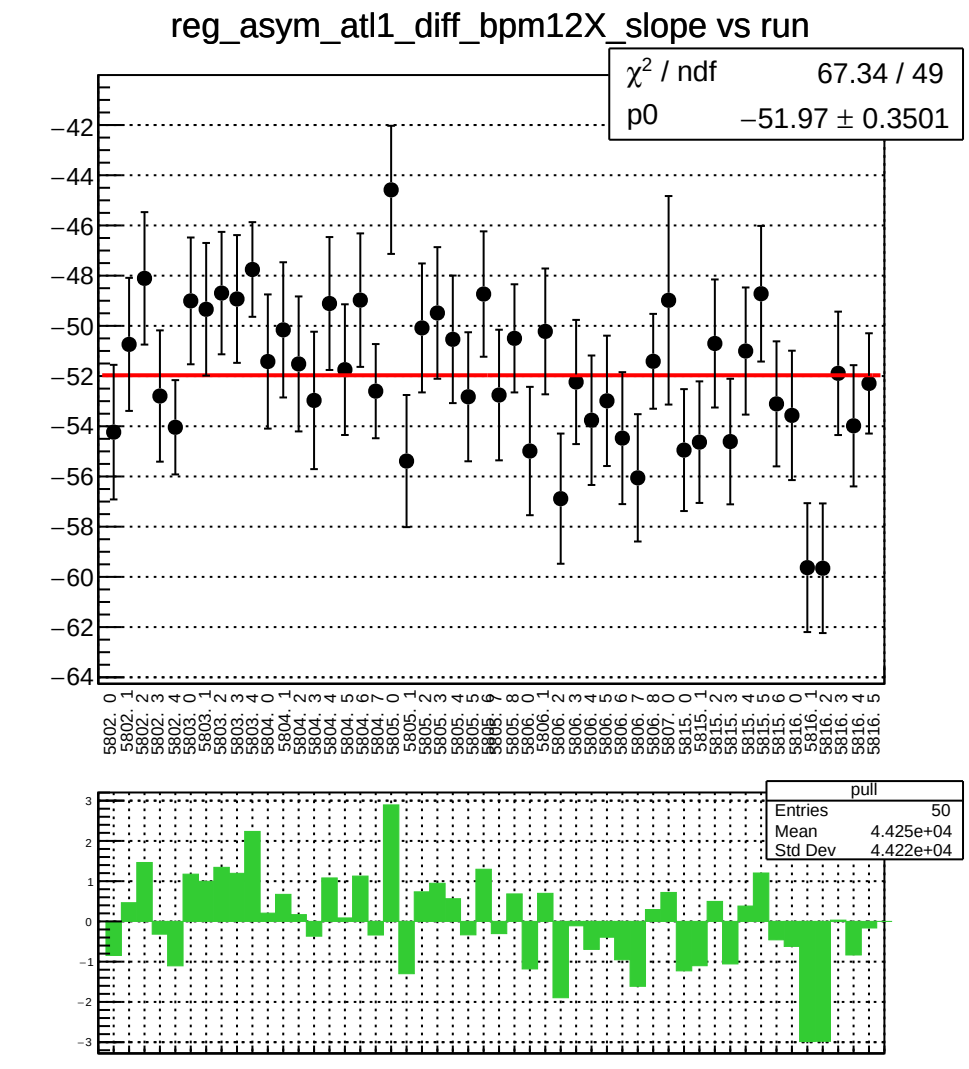

pull1D
Entries 50
Mean 0.04276
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

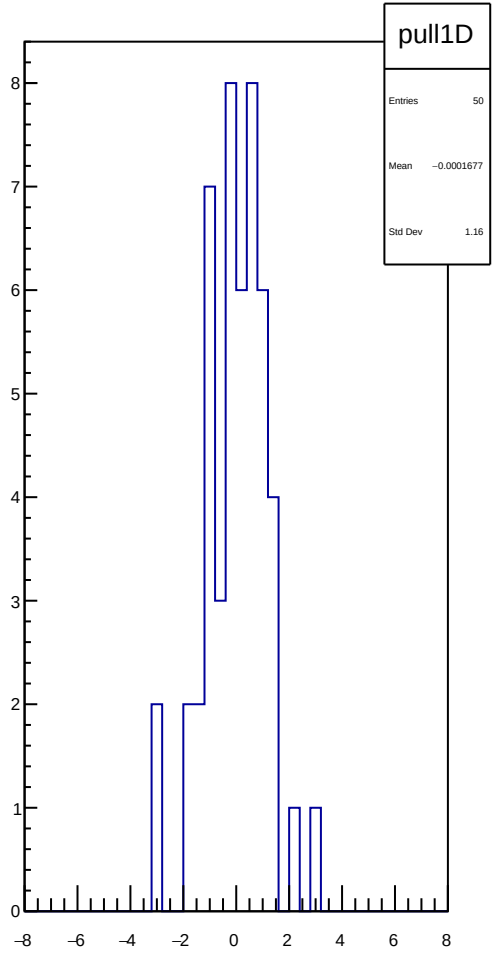

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 38.13 / 49
p0 241.2 ± 7.523
pull
Entries 50
Mean 309.4
Std Dev 278.5

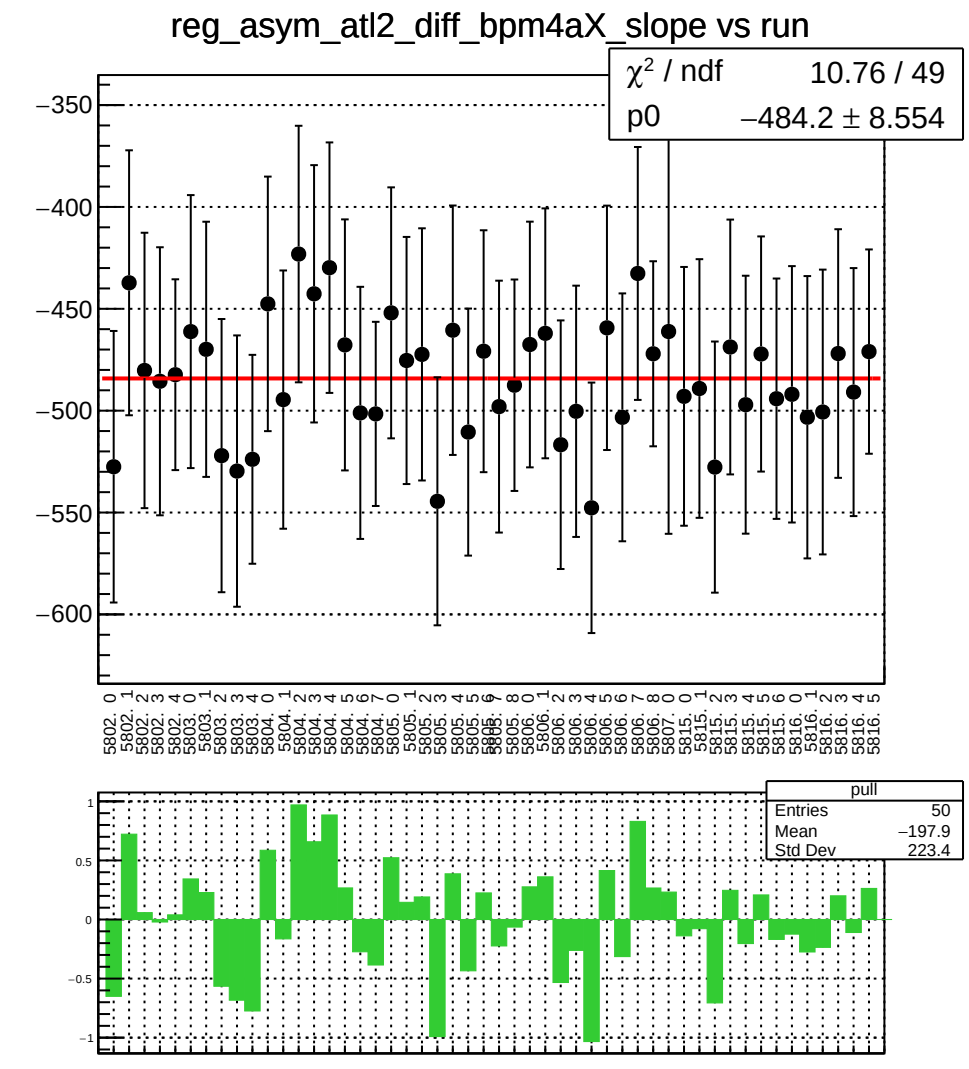

pull1D
Entries 50
Mean 0.01227
Std Dev 0.8732

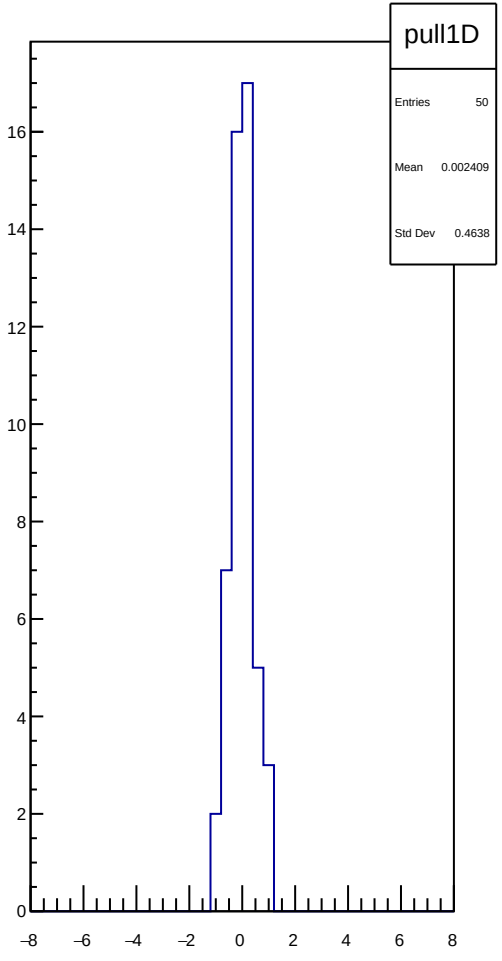

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 49.05 / 49
p0 −95.21 ± 5.775
pull
Entries 50
Mean 73.41
Std Dev 48.55

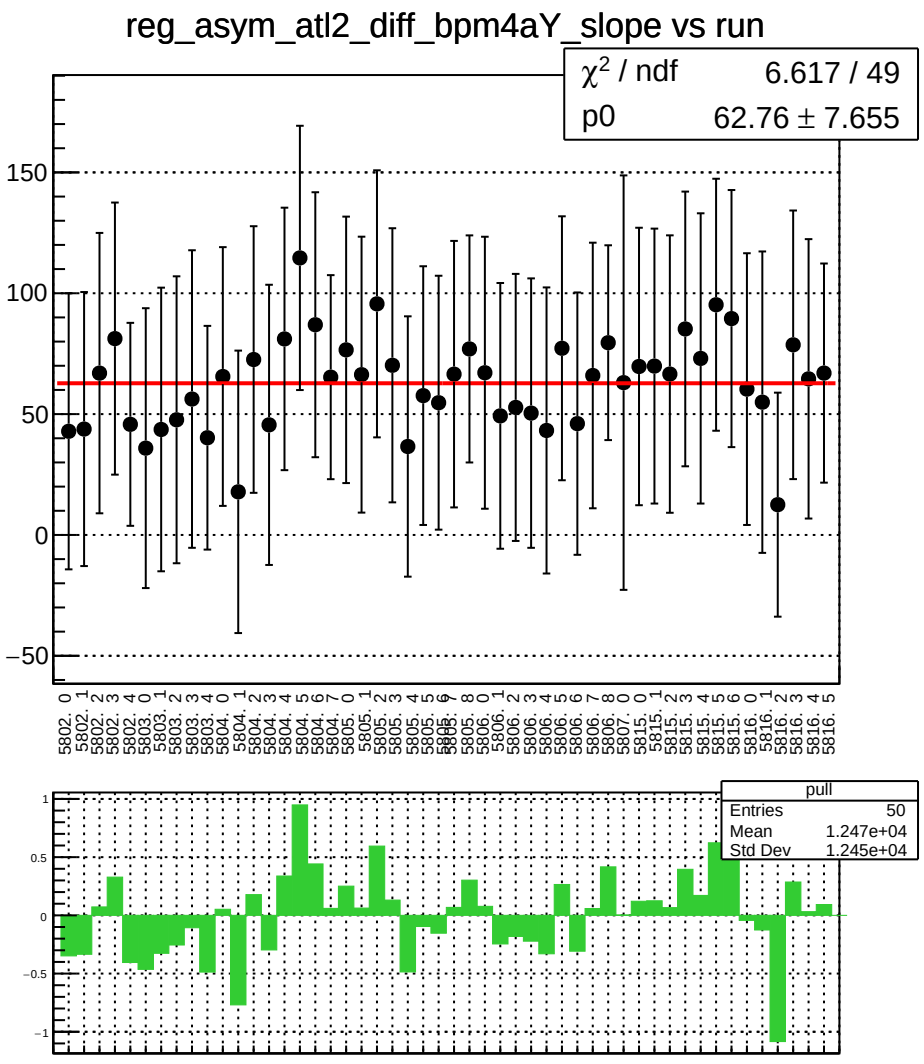

pull1D
Entries 50
Mean −0.04288
Std Dev 0.9896

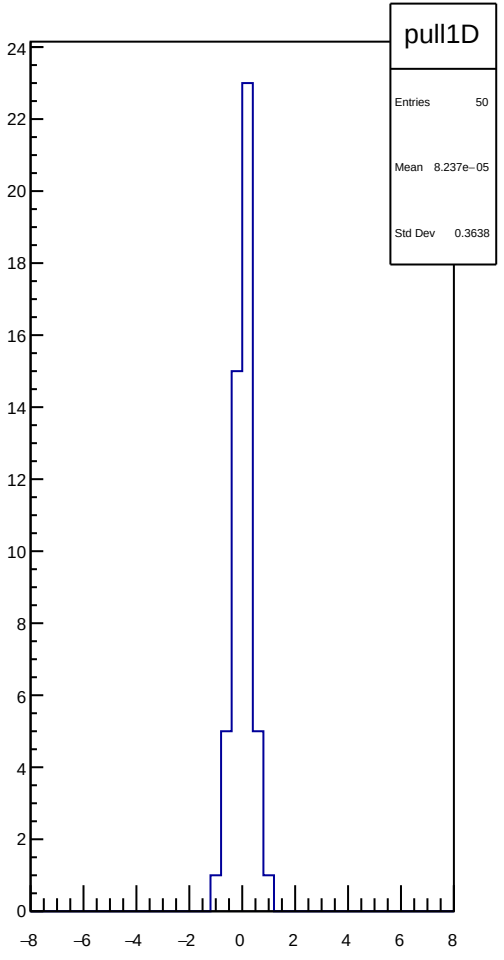

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 67.34 / 49
p0 −51.97 ± 0.3501
pull
Entries 50
Mean 4.425e+04
Std Dev 4.422e+04

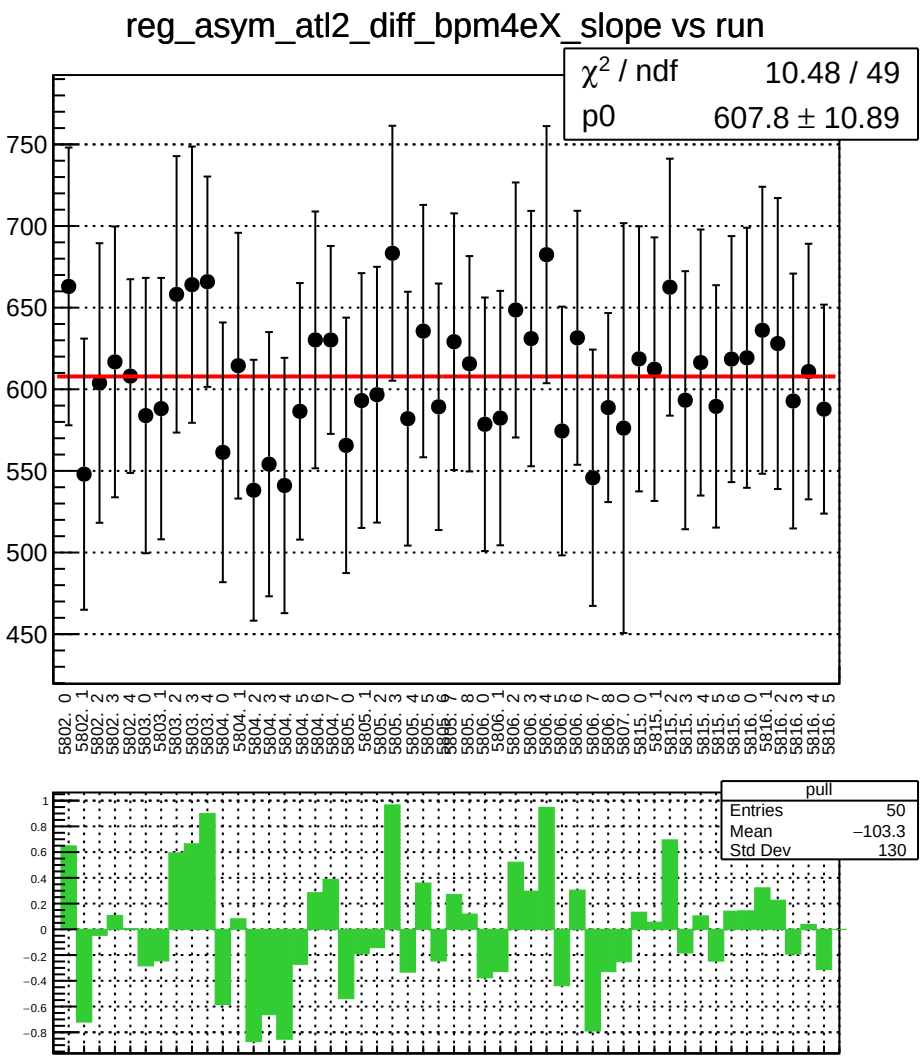

pull1D
Entries 50
Mean −0.0001677
Std Dev 1.16

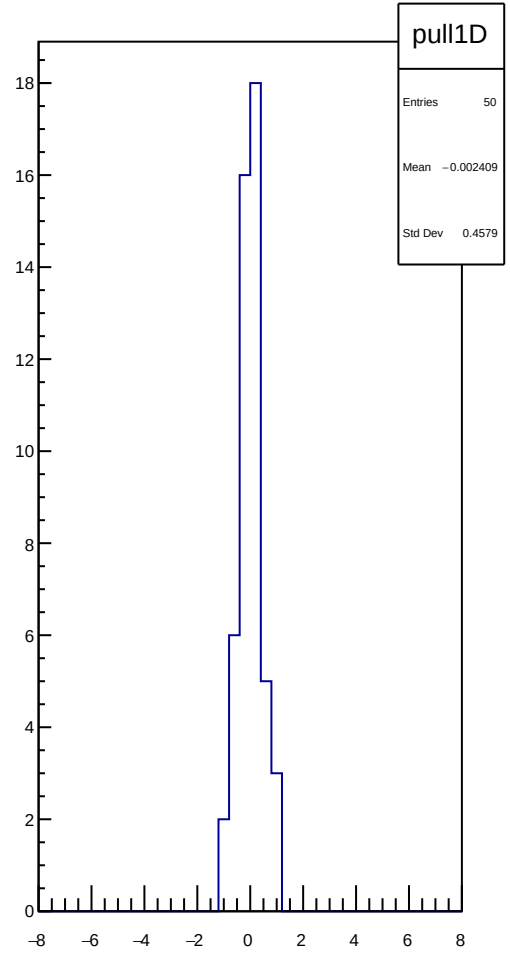

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 10.76 / 49
p0 −484.2 ± 8.554
pull
Entries 50
Mean −197.9
Std Dev 223.4

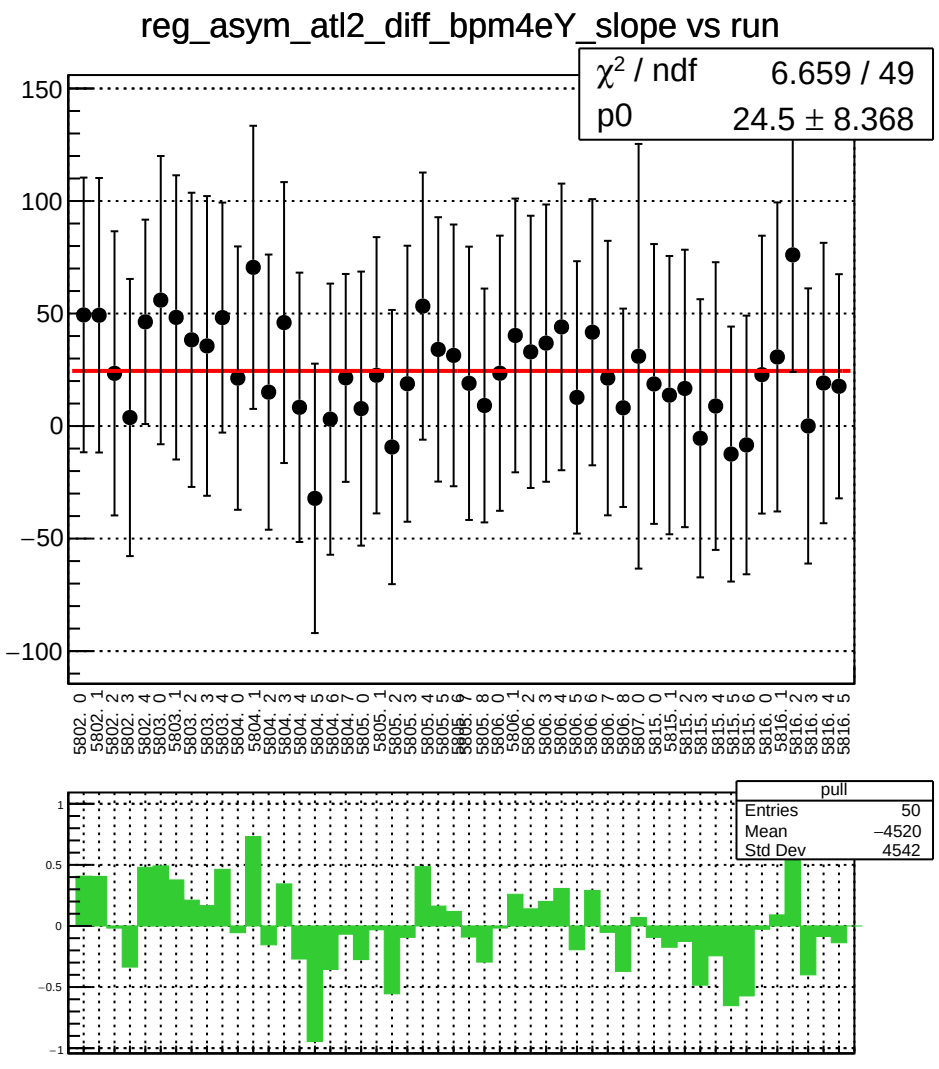

pull1D
Entries 50
Mean 0.002409
Std Dev 0.4638

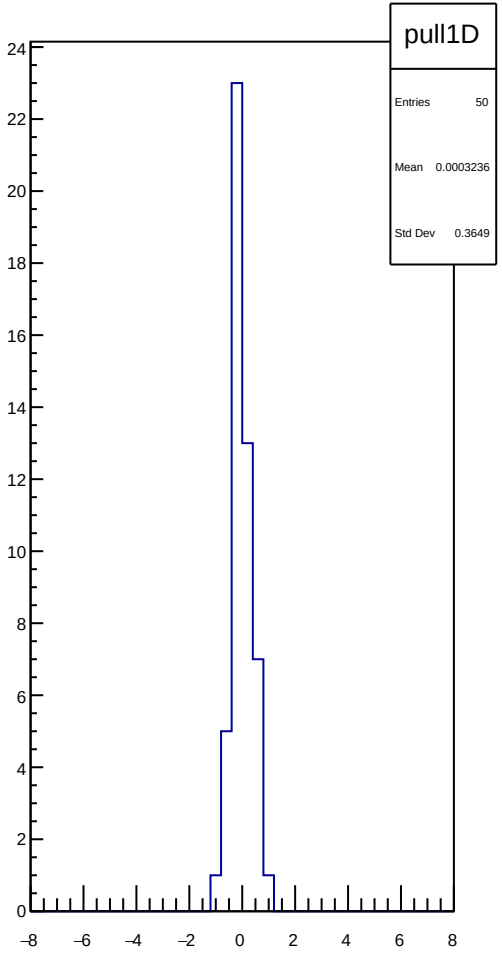

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.617 / 49
p0 62.76 ± 7.655
150
100
50
0
−50
pull
Entries 50
Mean 1.247e+04
Std Dev 1.245e+04
1
0.5
0
−0.5
−1

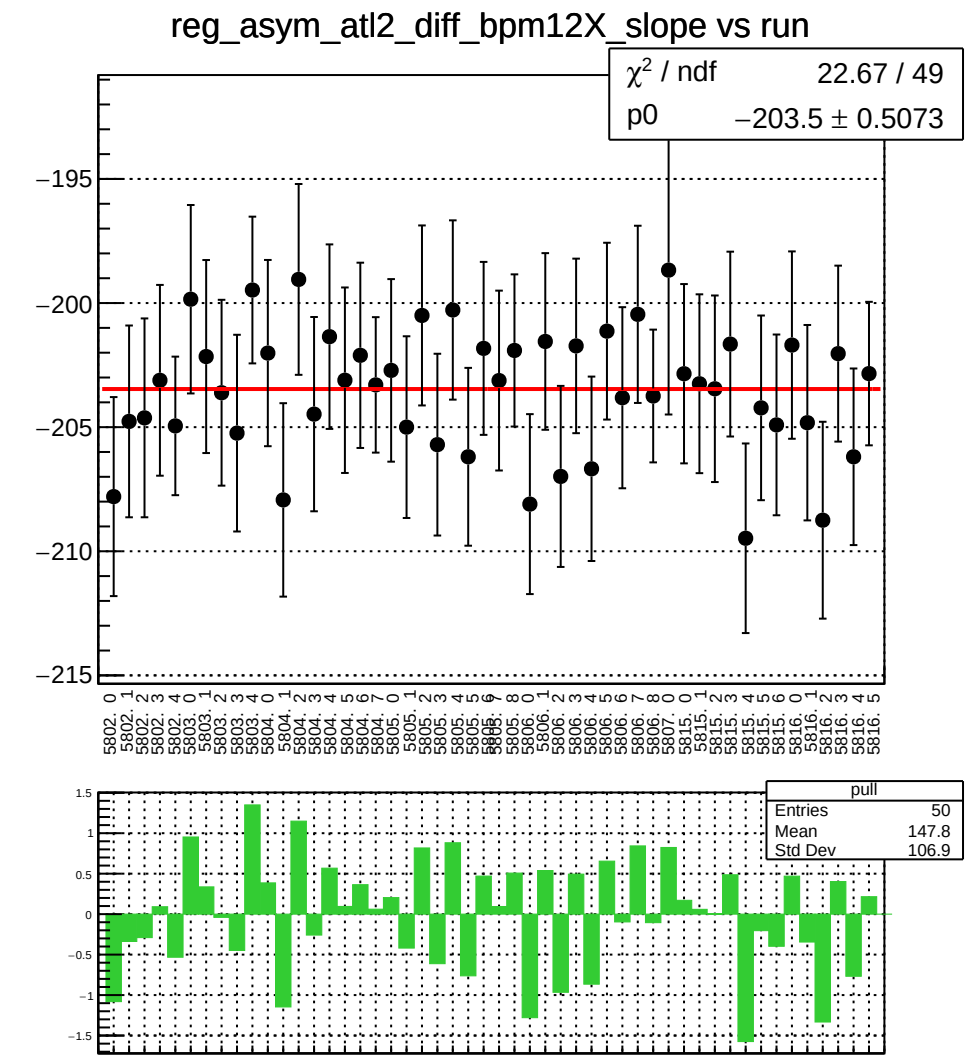

pull1D
Entries 50
Mean 8.237e−05
Std Dev 0.3638
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

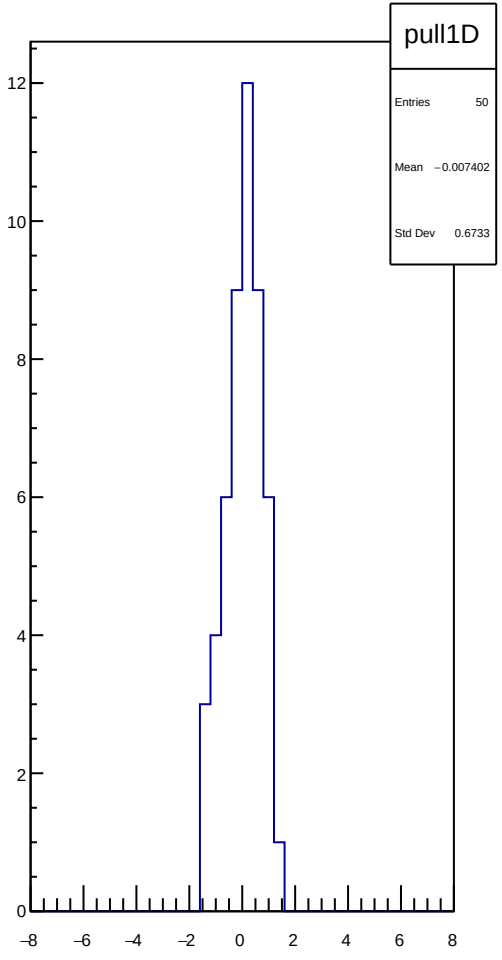

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 10.48 / 49
p0 607.8 ± 10.89
pull
Entries 50
Mean −103.3
Std Dev 130

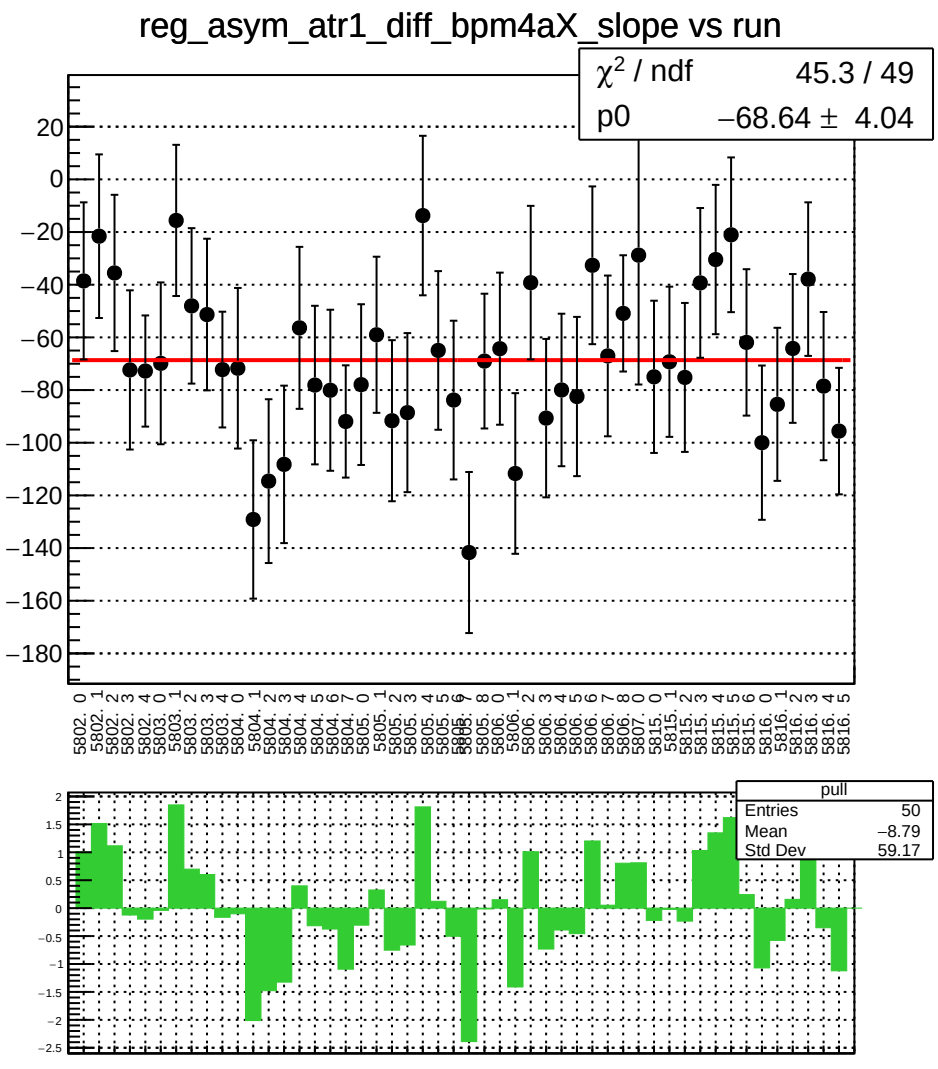

pull1D
Entries 50
Mean −0.002409
Std Dev 0.4579

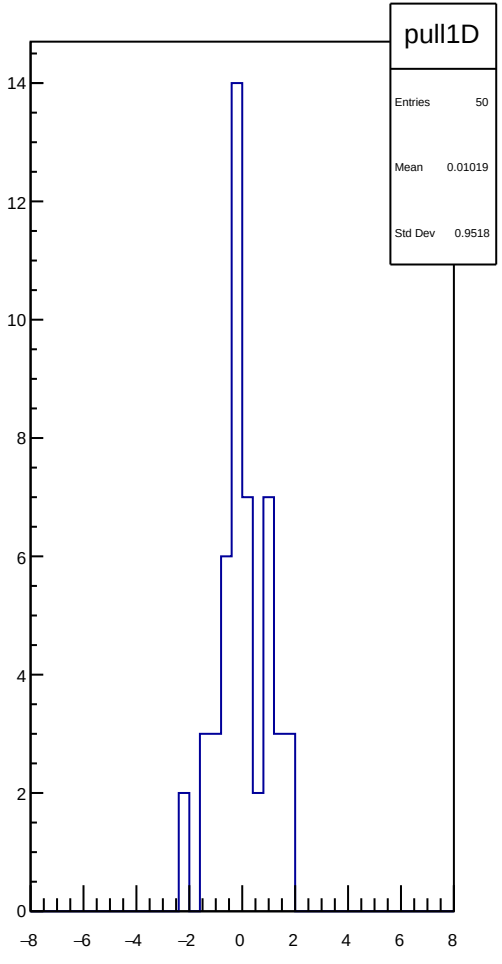

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.659 / 49
p0 24.5 ± 8.368
150
100
50
0
−50
−100
pull
Entries 50
Mean −4520
Std Dev 4542
1
0.5
0
−0.5
−1

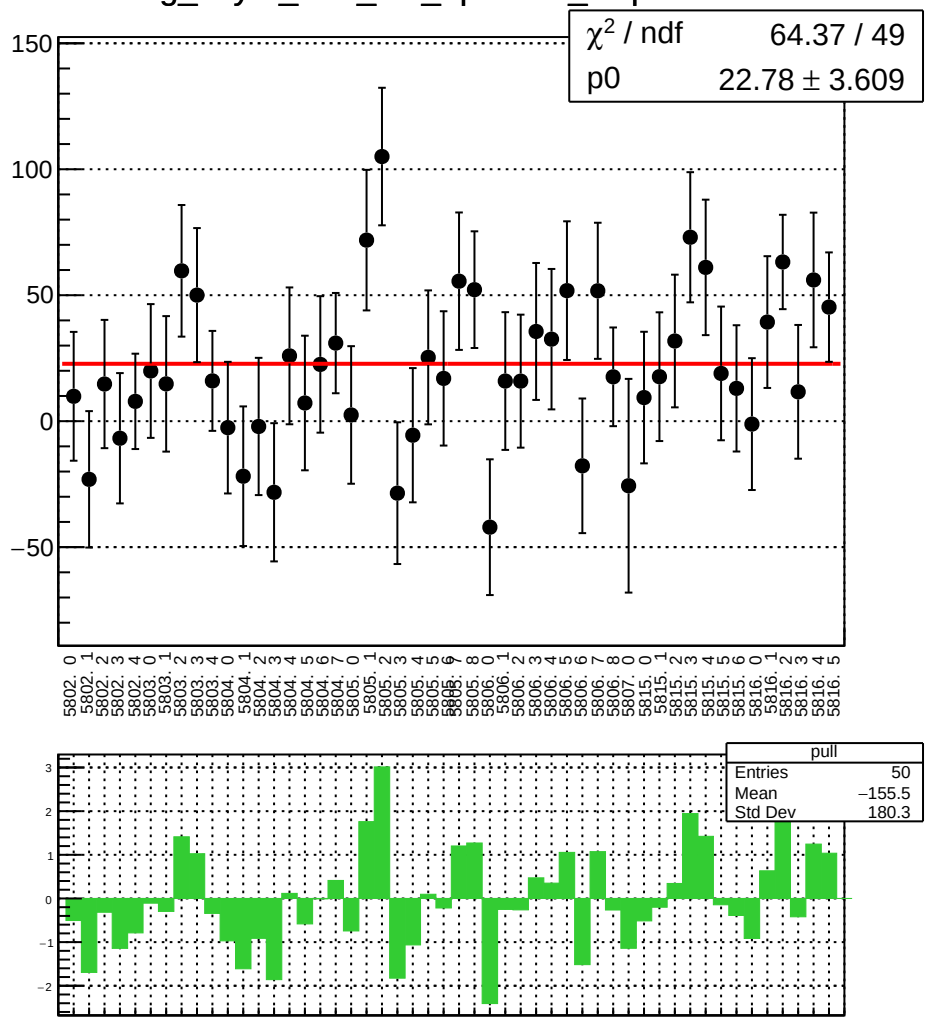

pull1D
Entries 50
Mean 0.0003236
Std Dev 0.3649
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

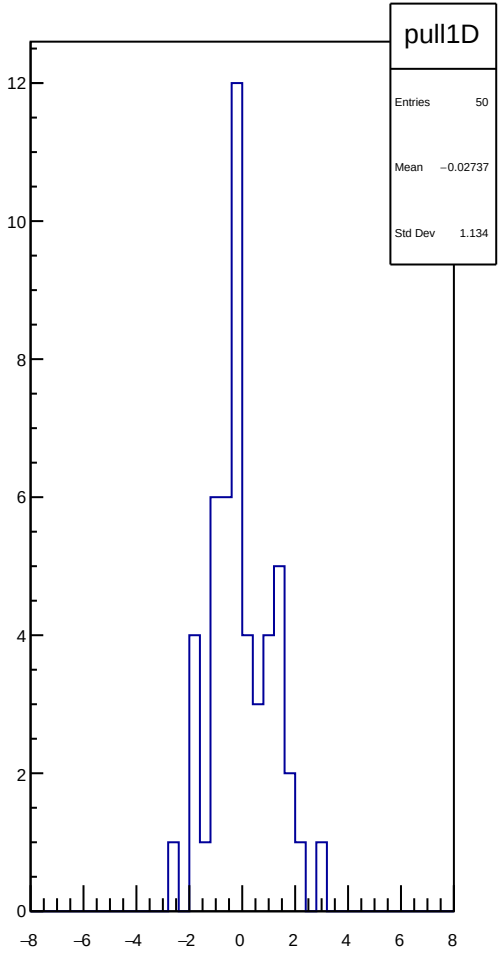

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 22.67 / 49
p0 −203.5 ± 0.5073
pull
Entries 50
Mean 147.8
Std Dev 106.9

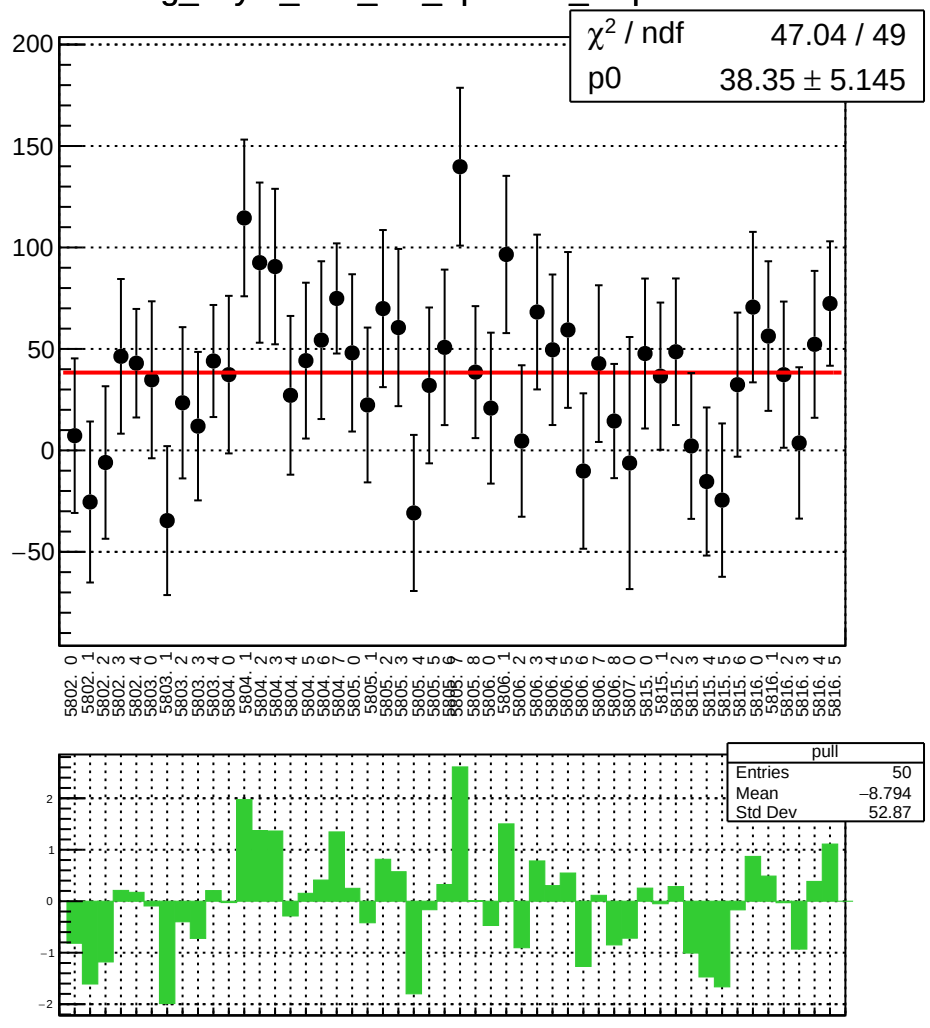

pull1D
Entries 50
Mean −0.007402
Std Dev 0.6733

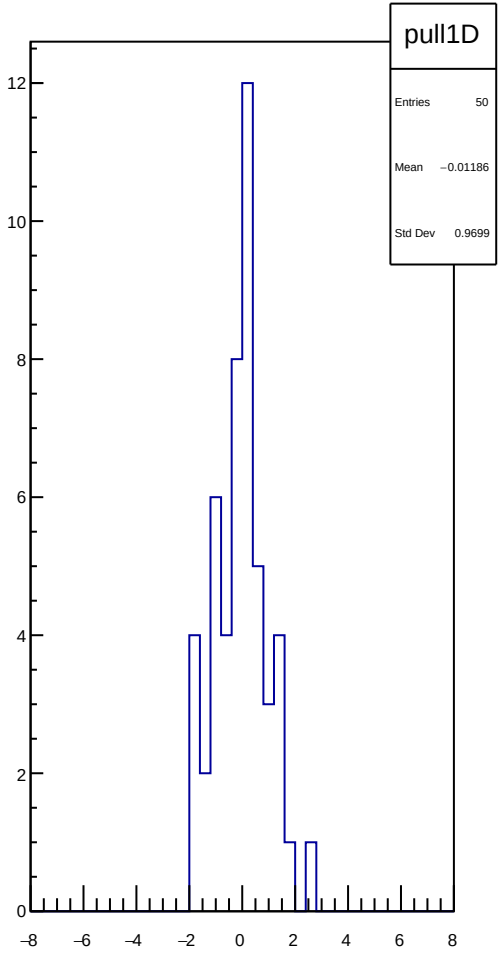

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 45.3 / 49
p0 −68.64 ± 4.04
pull
Entries 50
Mean −8.79
Std Dev 59.17

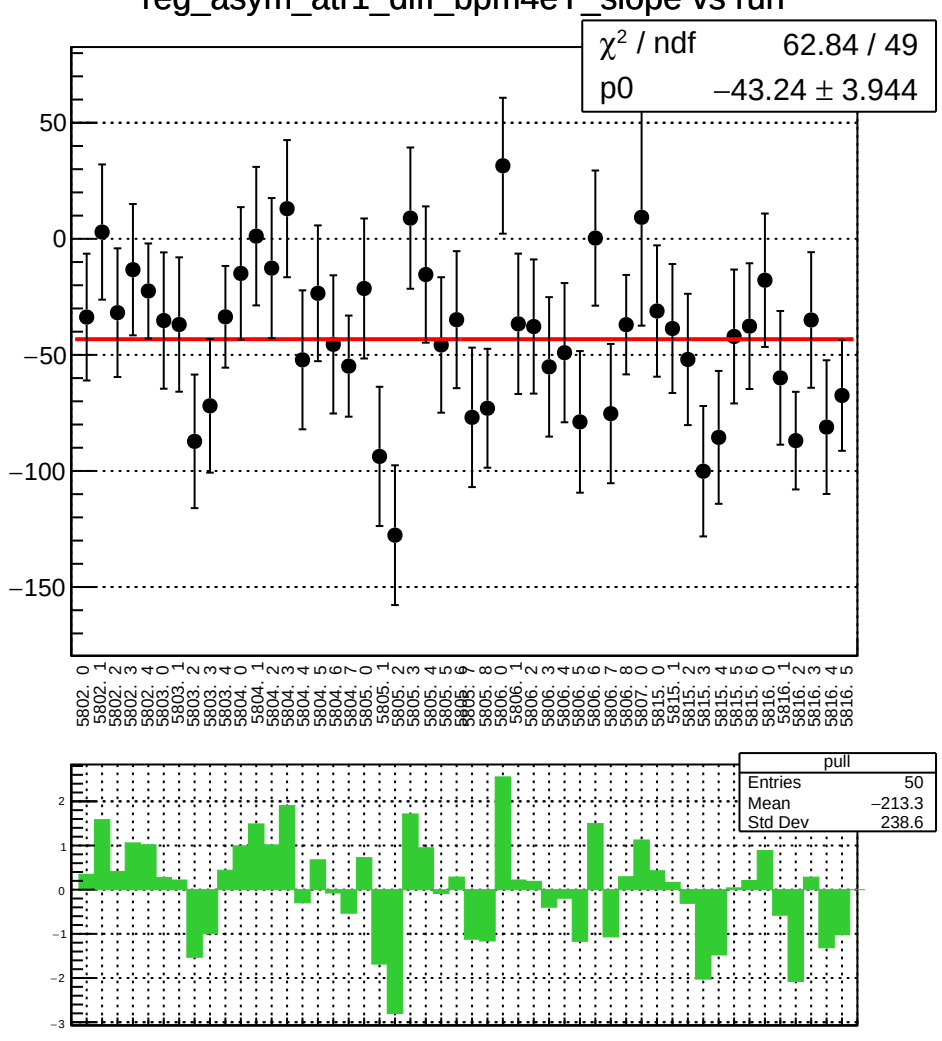

pull1D
Entries 50
Mean 0.01019
Std Dev 0.9518

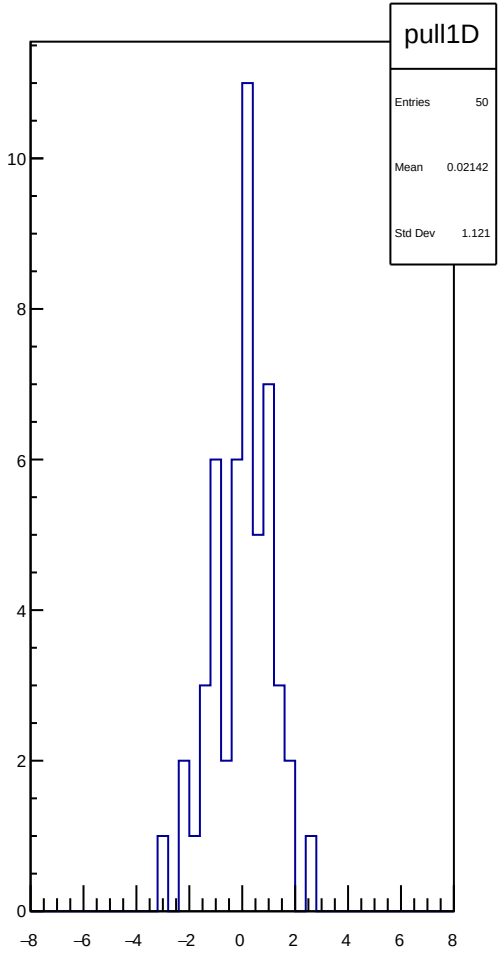

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 64.37 / 49
p0 22.78 ± 3.609
150
100
50
0
−50
pull
Entries 50
Mean −155.5
Std Dev 180.3
3
2
1
0
−1
−2

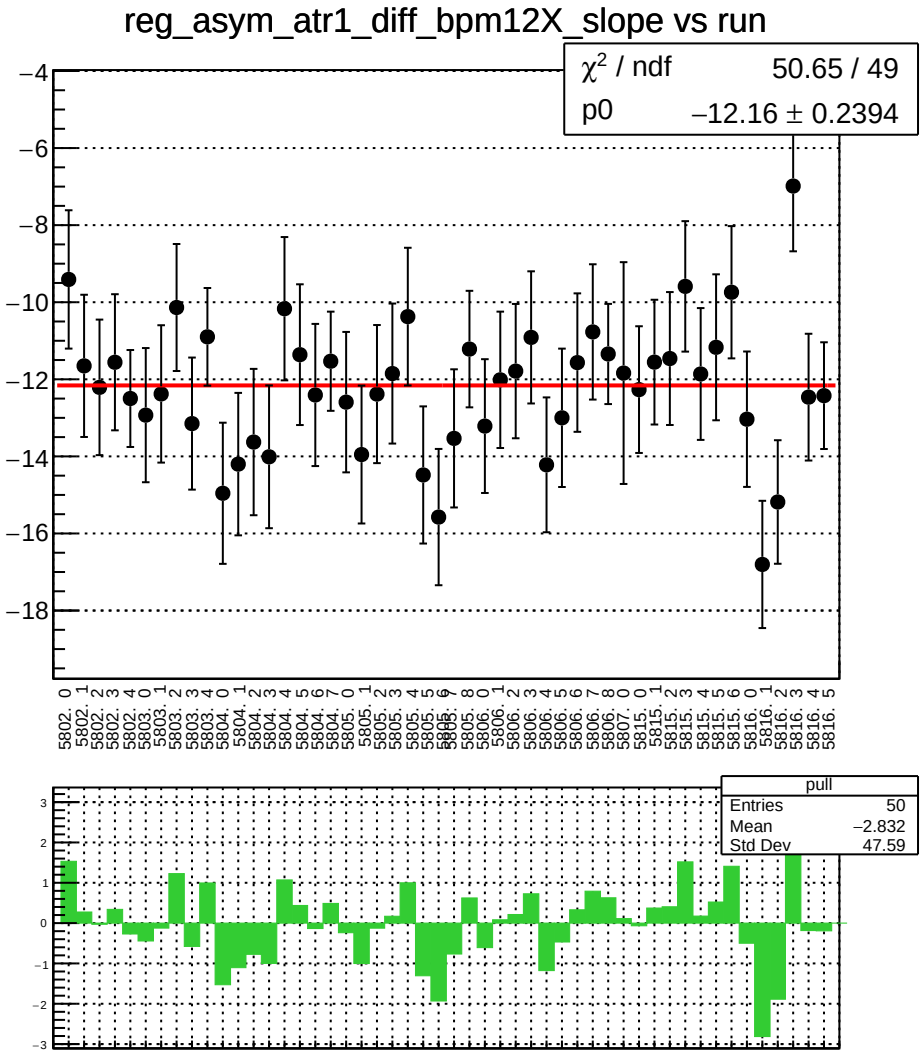

pull1D
Entries 50
Mean −0.02737
Std Dev 1.134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

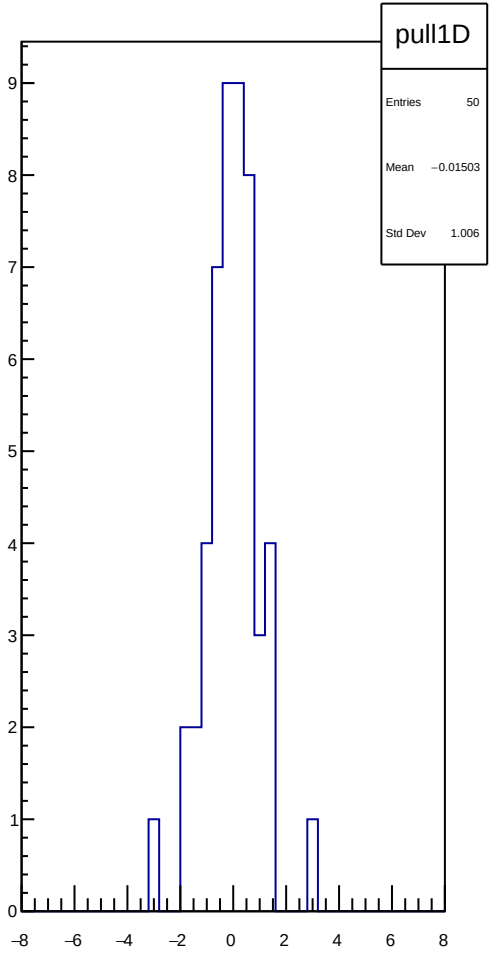

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 47.04 / 49
p0 38.35 ± 5.145
pull
Entries 50
Mean −8.794
Std Dev 52.87

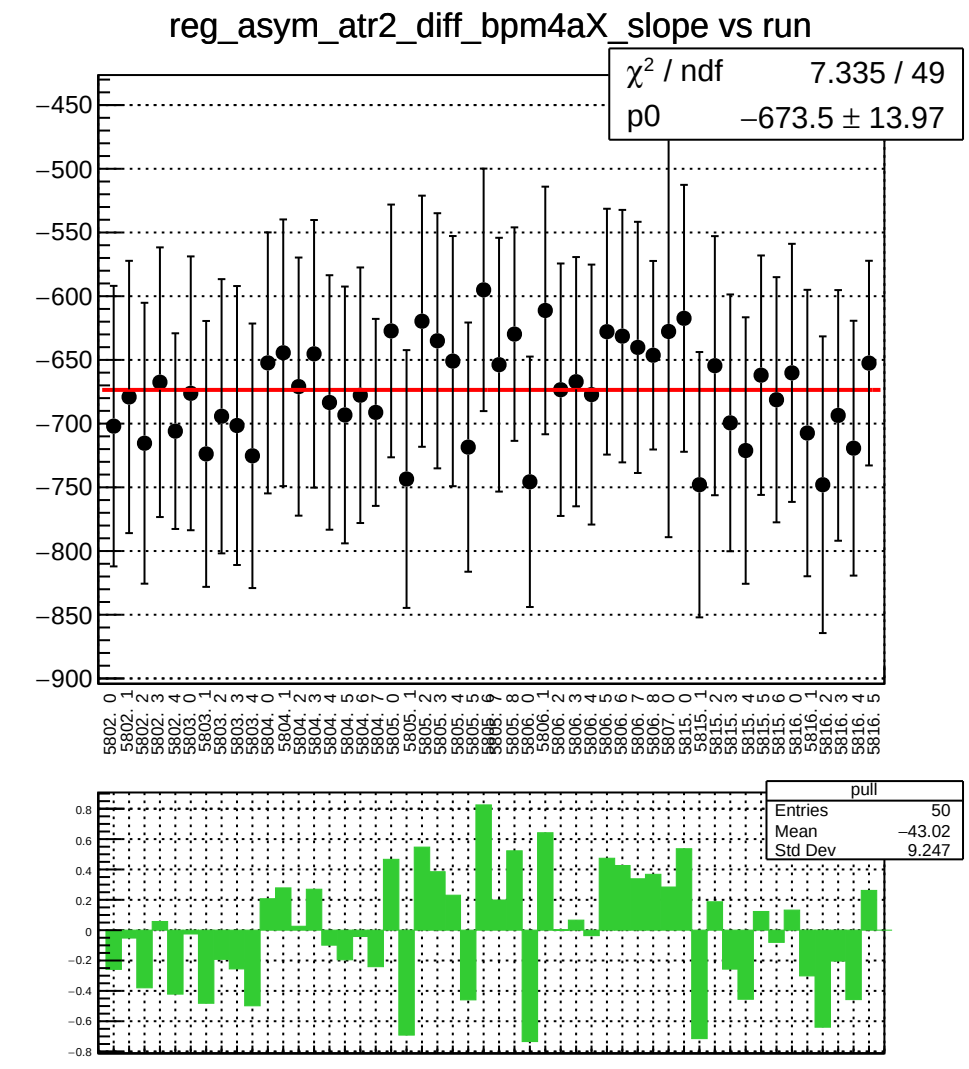

pull1D
Entries 50
Mean −0.01186
Std Dev 0.9699

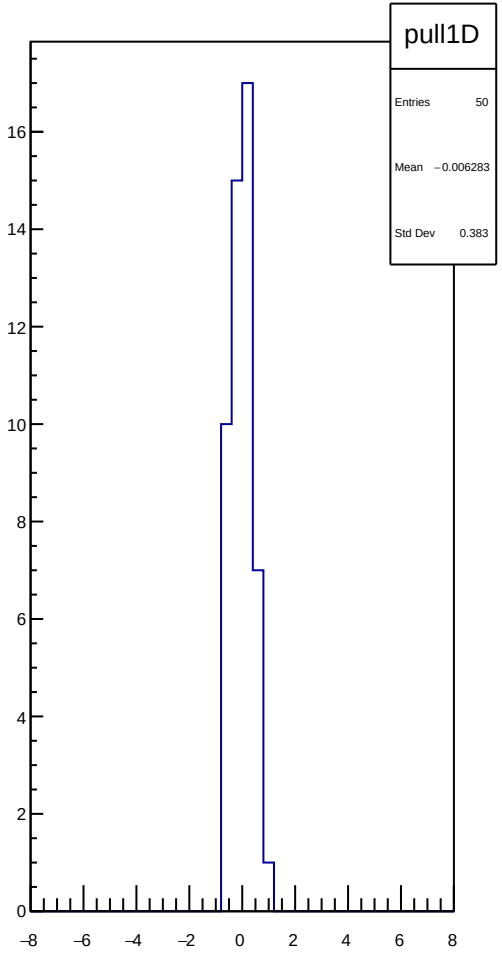

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 62.84 / 49
p0 −43.24 ± 3.944
pull
Entries 50
Mean −213.3
Std Dev 238.6

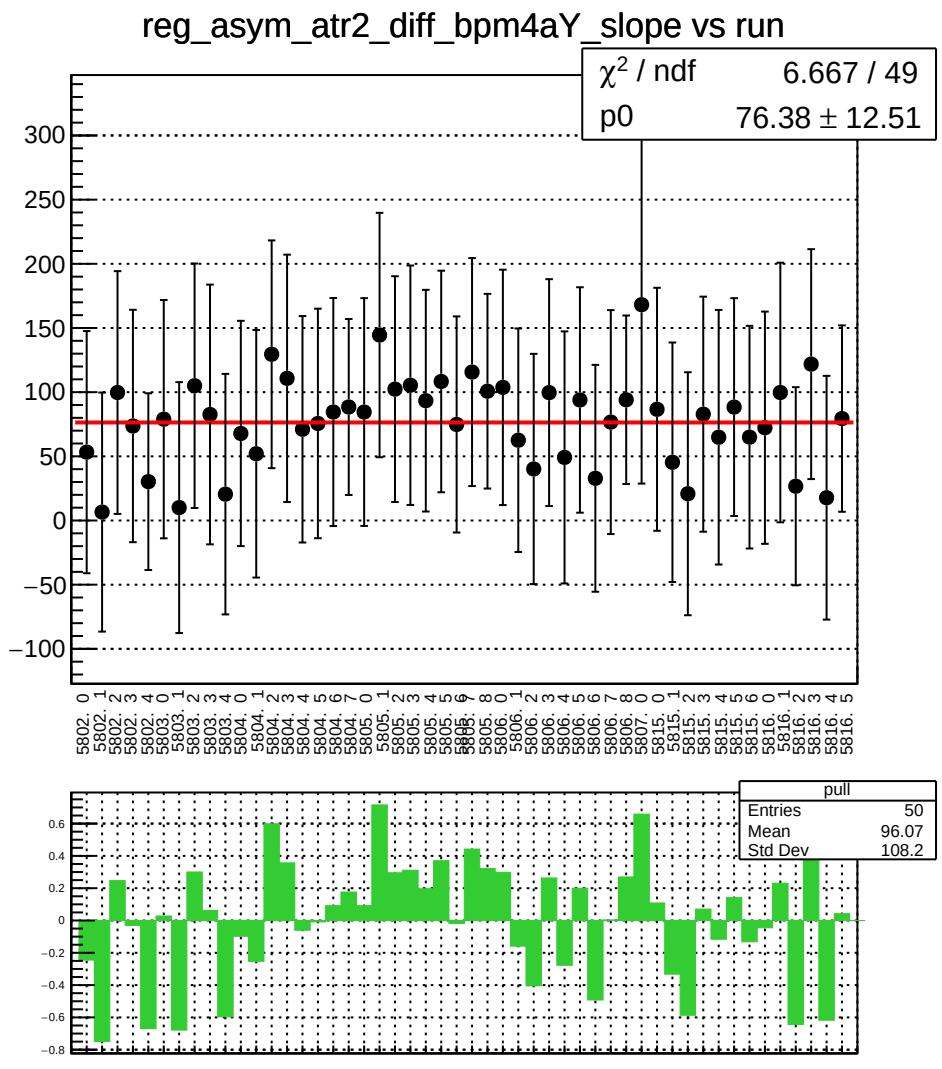

pull1D
Entries 50
Mean 0.02142
Std Dev 1.121

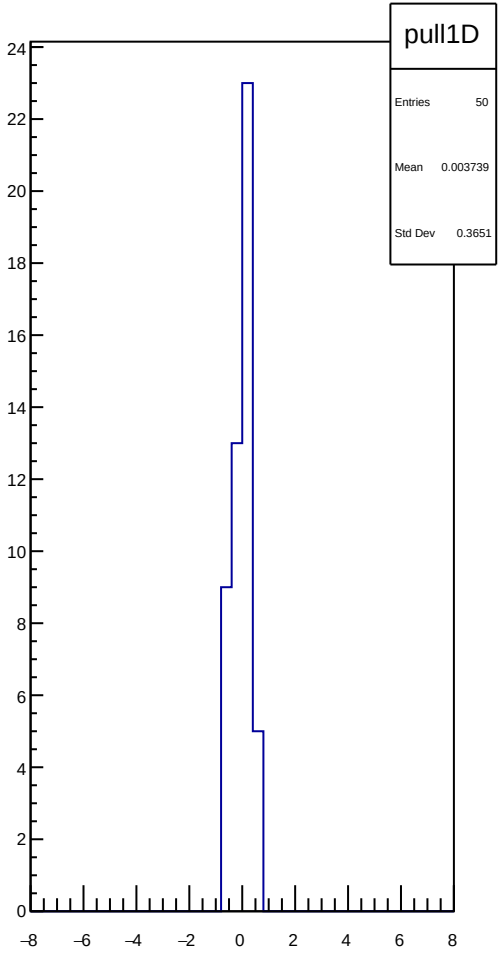

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 50.65 / 49
p0 −12.16 ± 0.2394
pull
Entries 50
Mean −2.832
Std Dev 47.59

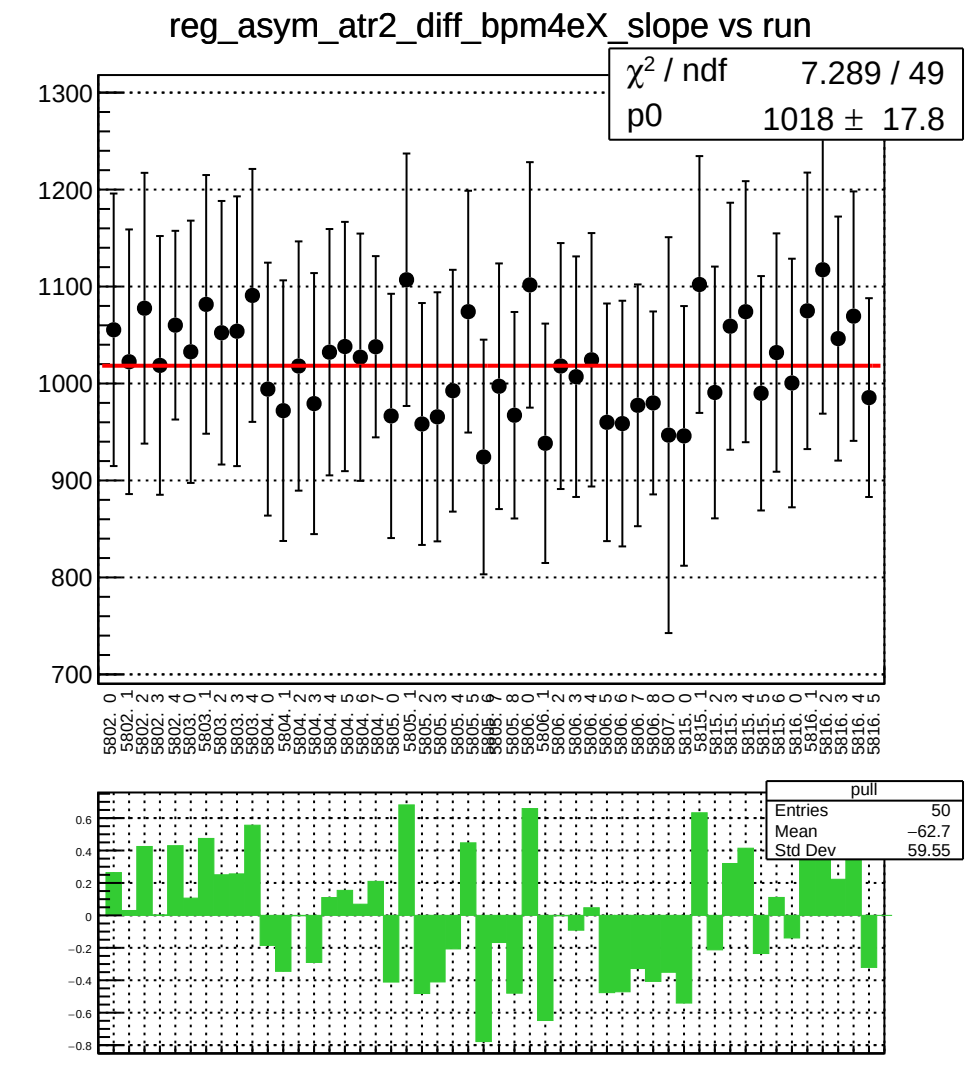

pull1D
Entries 50
Mean −0.01503
Std Dev 1.006

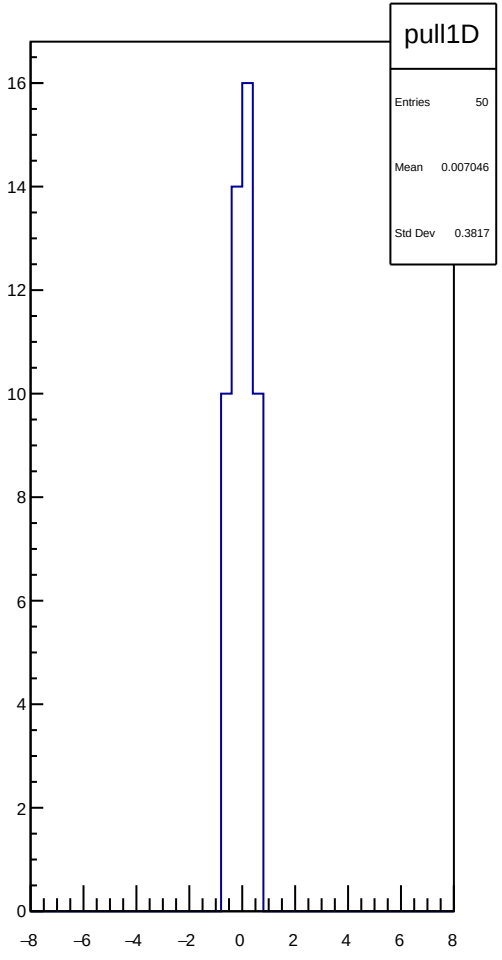

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 7.335 / 49
p0 −673.5 ± 13.97
pull
Entries 50
Mean −43.02
Std Dev 9.247

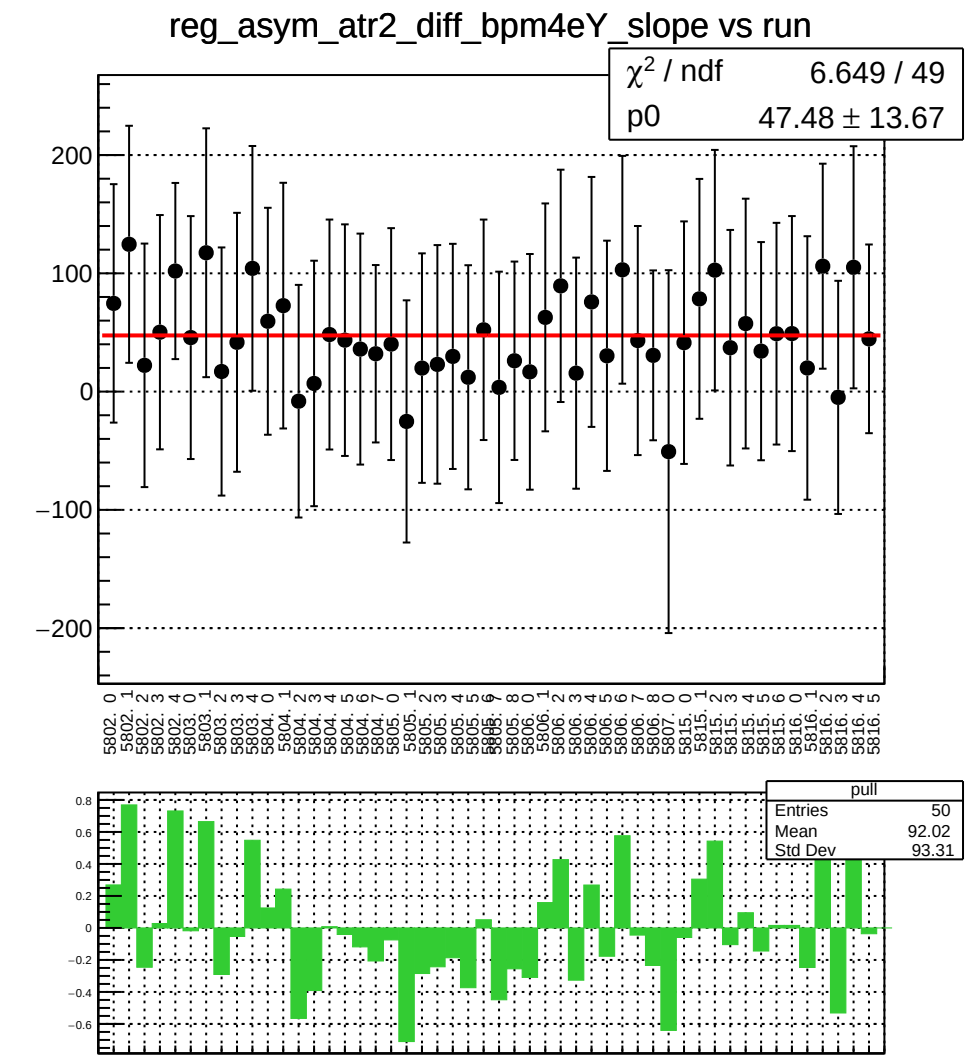

pull1D
Entries 50
Mean −0.006283
Std Dev 0.383

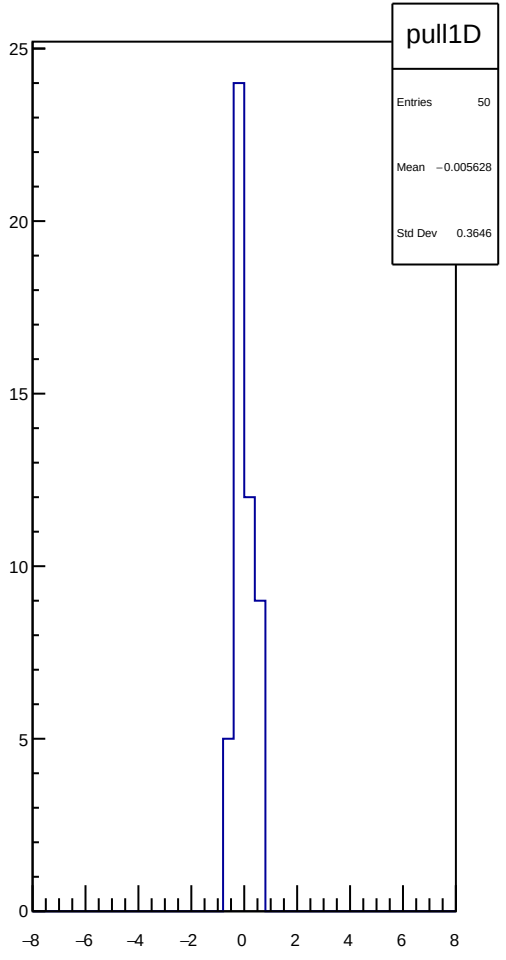

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.667 / 49
p0 76.38 ± 12.51
pull
Entries 50
Mean 96.07
Std Dev 108.2

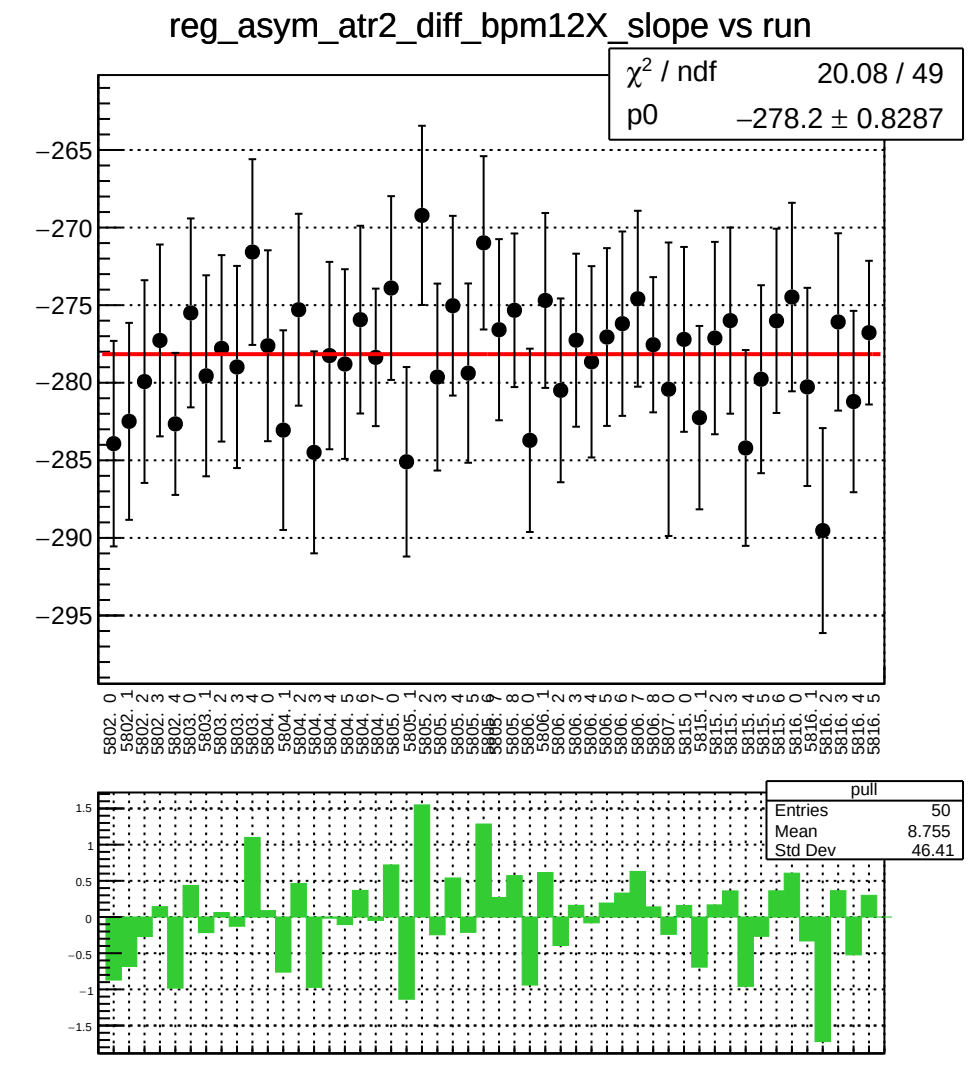

pull1D
Entries 50
Mean 0.003739
Std Dev 0.3651

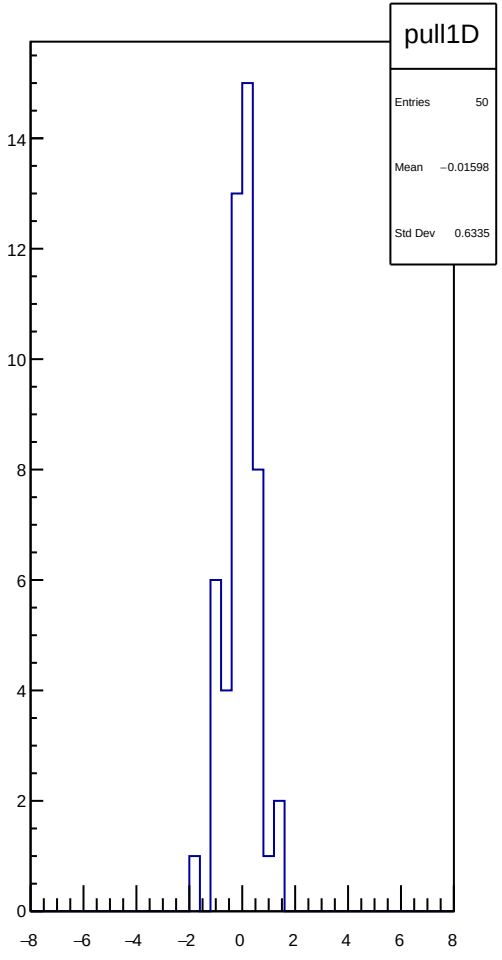

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 7.289 / 49
p0 1018 ± 17.8
1300
1200
1100
1000
900
800
700
pull
Entries 50
Mean −62.7
Std Dev 59.55
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

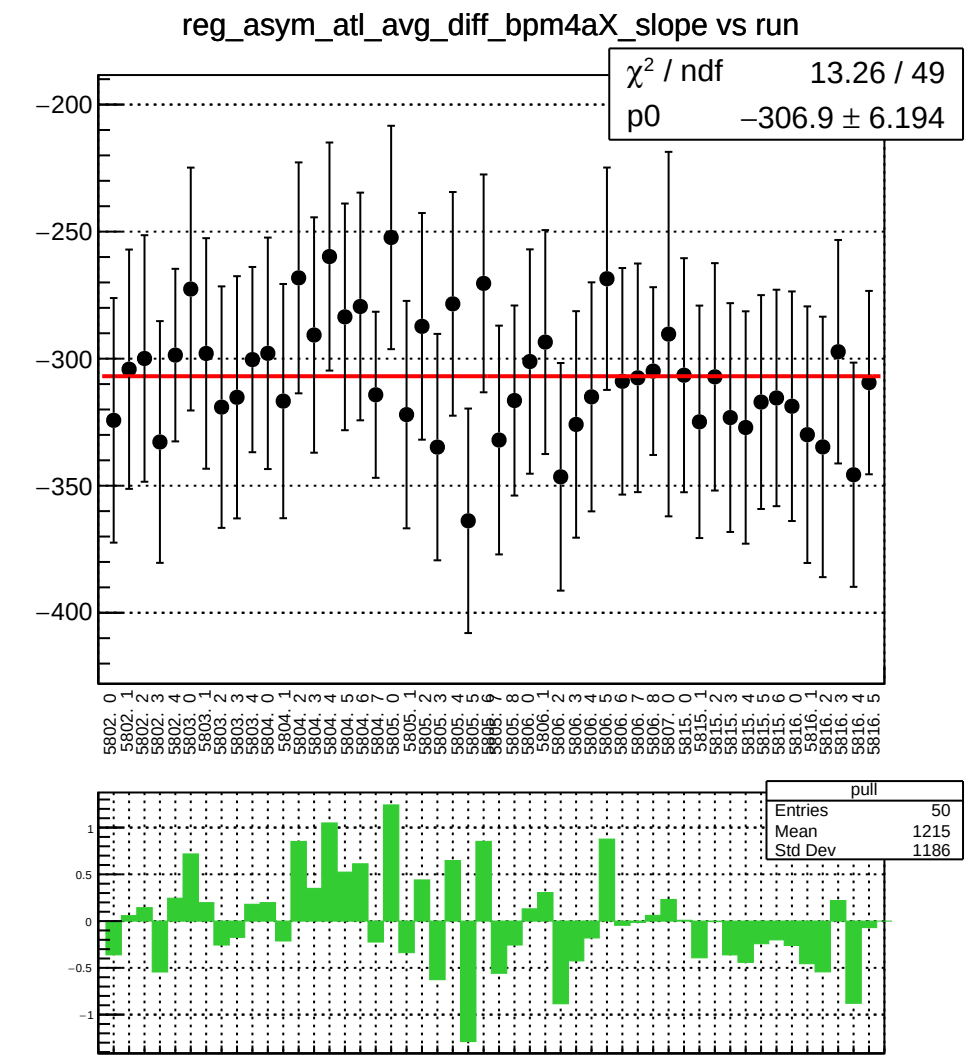

pull1D
Entries 50
Mean 0.007046
Std Dev 0.3817
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

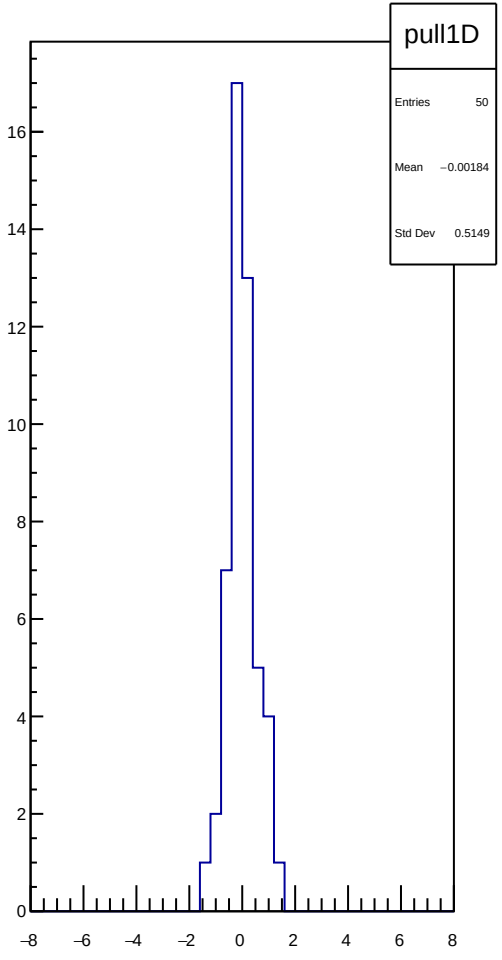

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.649 / 49
p0 47.48 ± 13.67
200
100
0
−100
−200
pull
Entries 50
Mean 92.02
Std Dev 93.31
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

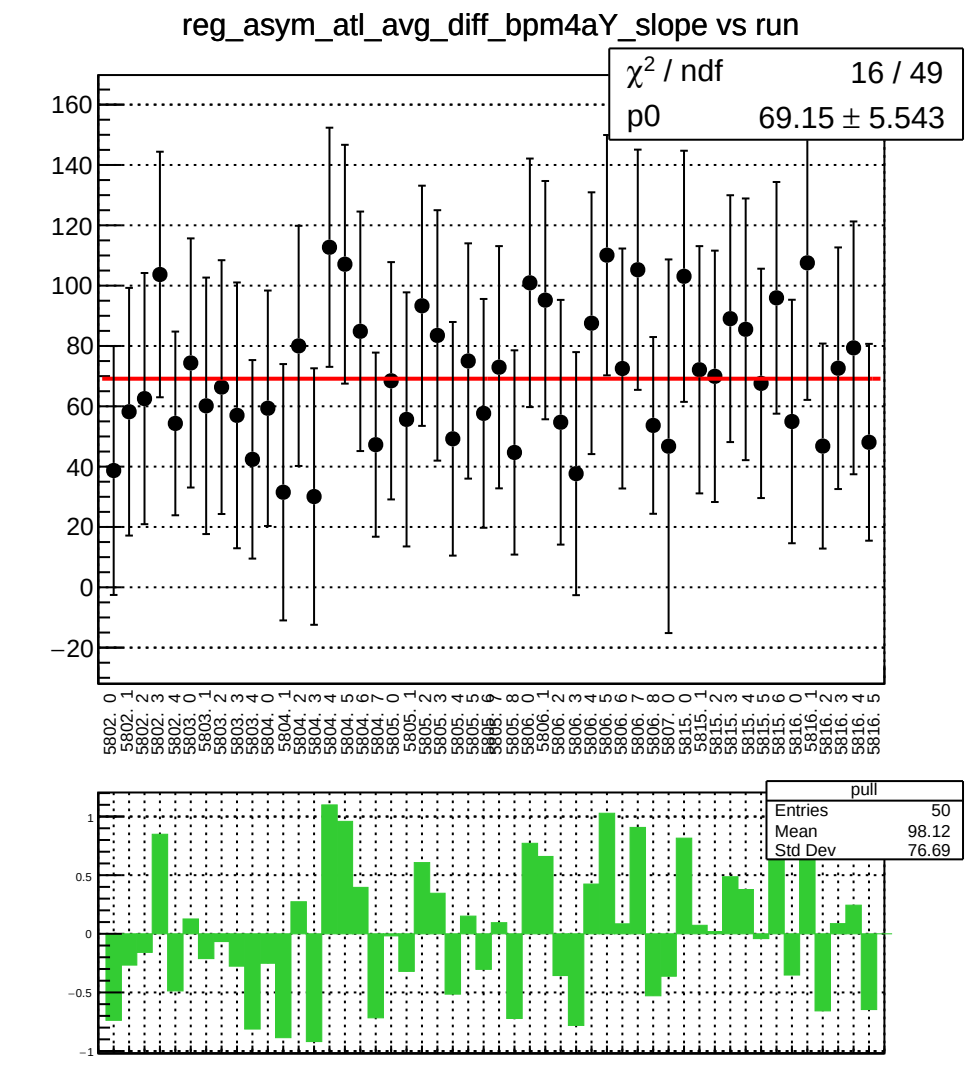

pull1D
Entries 50
Mean −0.005628
Std Dev 0.3646
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

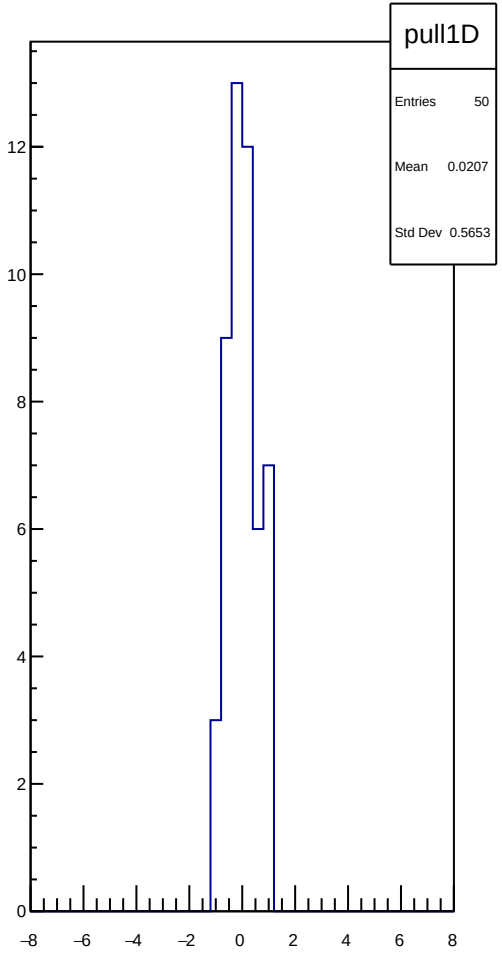

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 20.08 / 49
p0 −278.2 ± 0.8287
pull
Entries 50
Mean 8.755
Std Dev 46.41

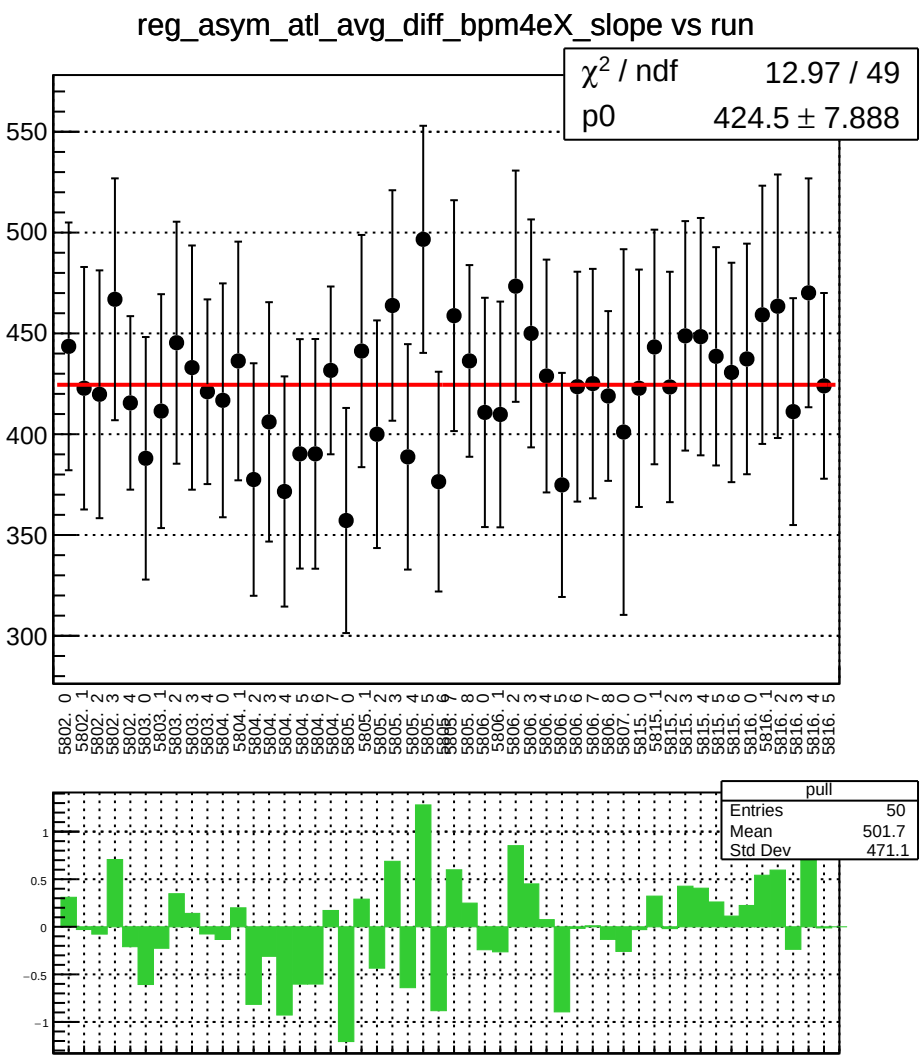

pull1D
Entries 50
Mean −0.01598
Std Dev 0.6335

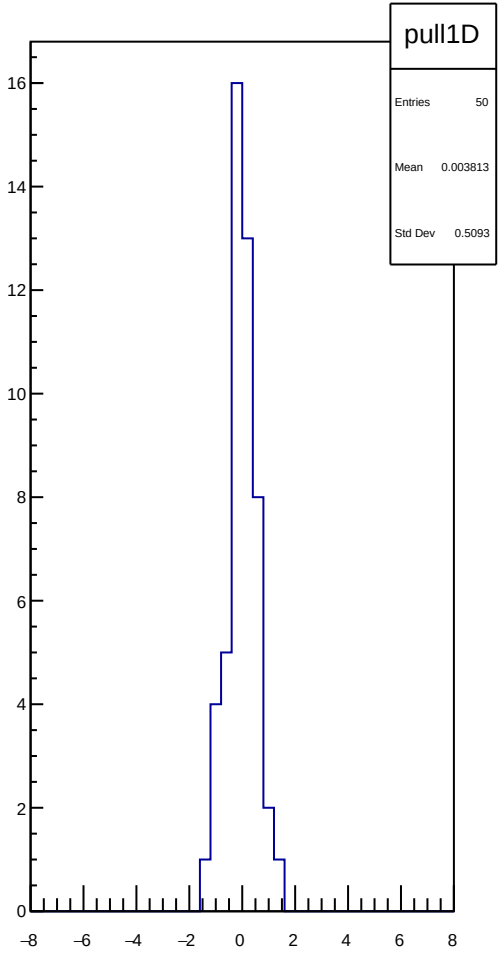

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.26 / 49
p0 −306.9 ± 6.194
pull
Entries 50
Mean 1215
Std Dev 1186

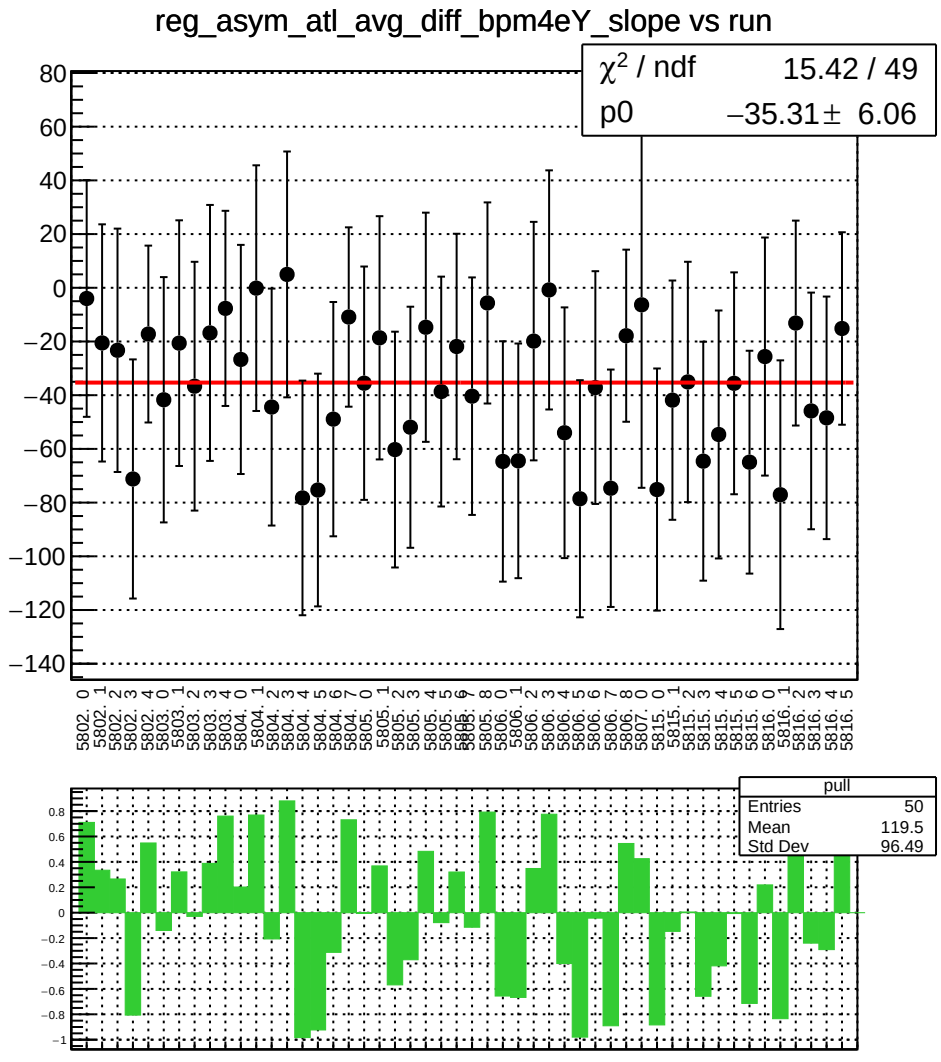

pull1D
Entries 50
Mean −0.00184
Std Dev 0.5149

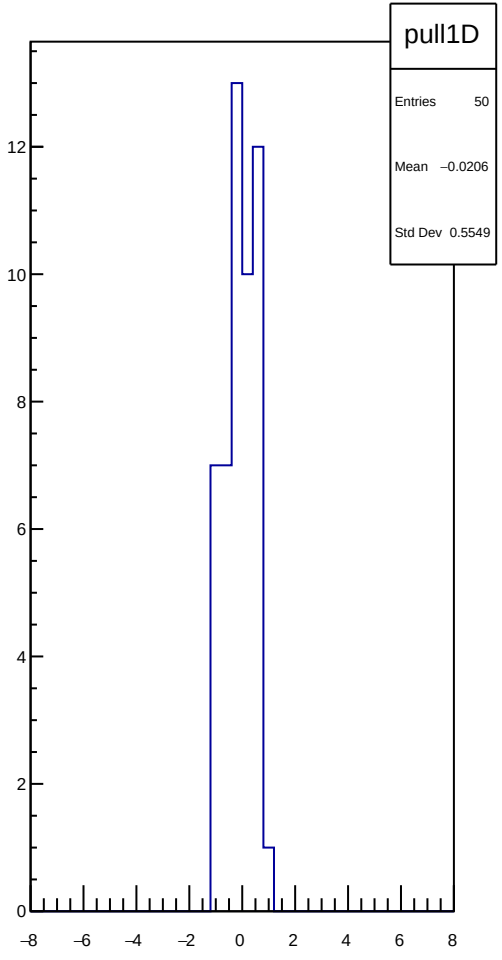

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 16 / 49
p0 69.15 ± 5.543
pull
Entries 50
Mean 98.12
Std Dev 76.69

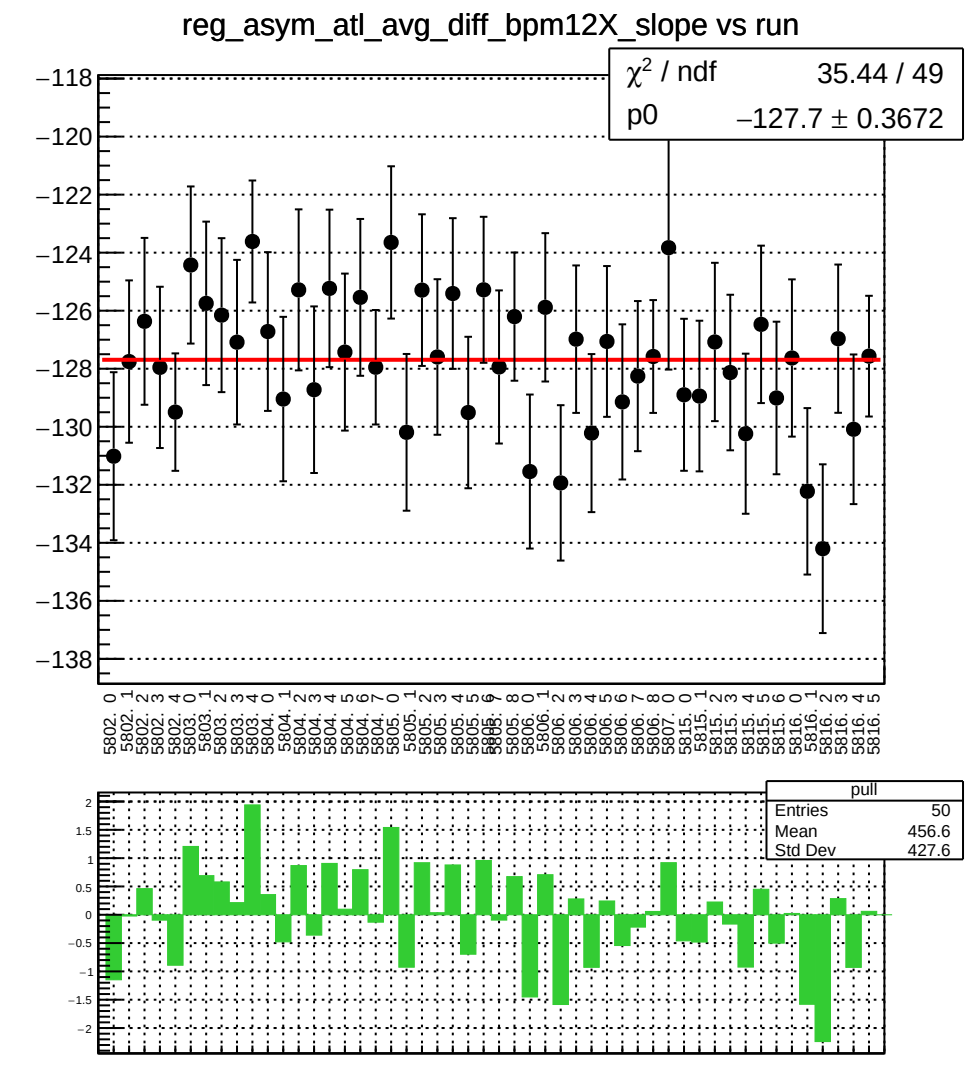

pull1D
Entries 50
Mean 0.0207
Std Dev 0.5653

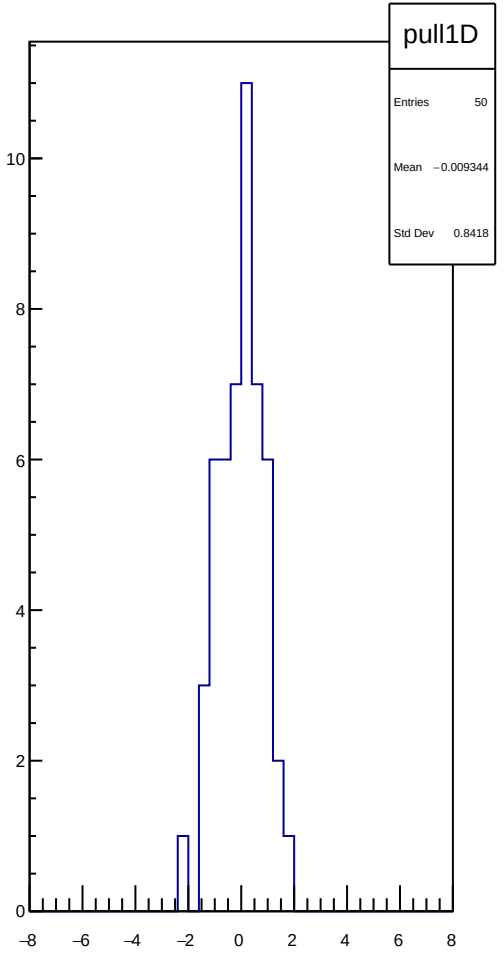

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.97 / 49
p0 424.5 ± 7.888
550
500
450
400
350
300
pull
Entries 50
Mean 501.7
Std Dev 471.1
1
0.5
0
−0.5
−1

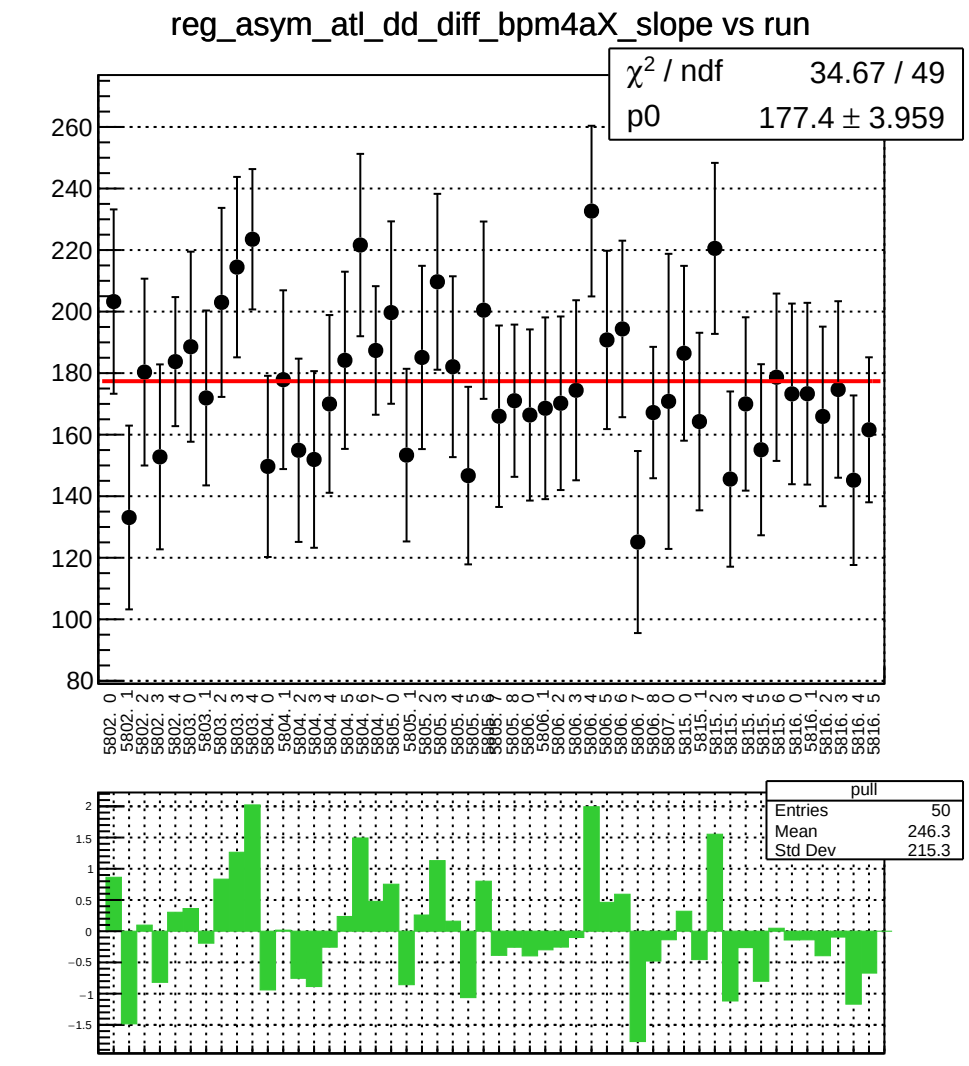

pull1D
Entries 50
Mean 0.003813
Std Dev 0.5093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

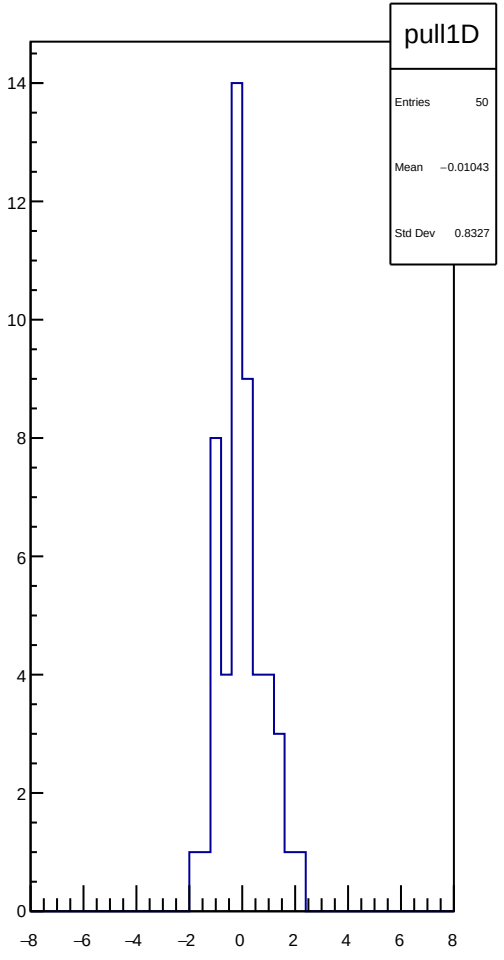

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.42 / 49
p0 −35.31 ± 6.06
pull
Entries 50
Mean 119.5
Std Dev 96.49

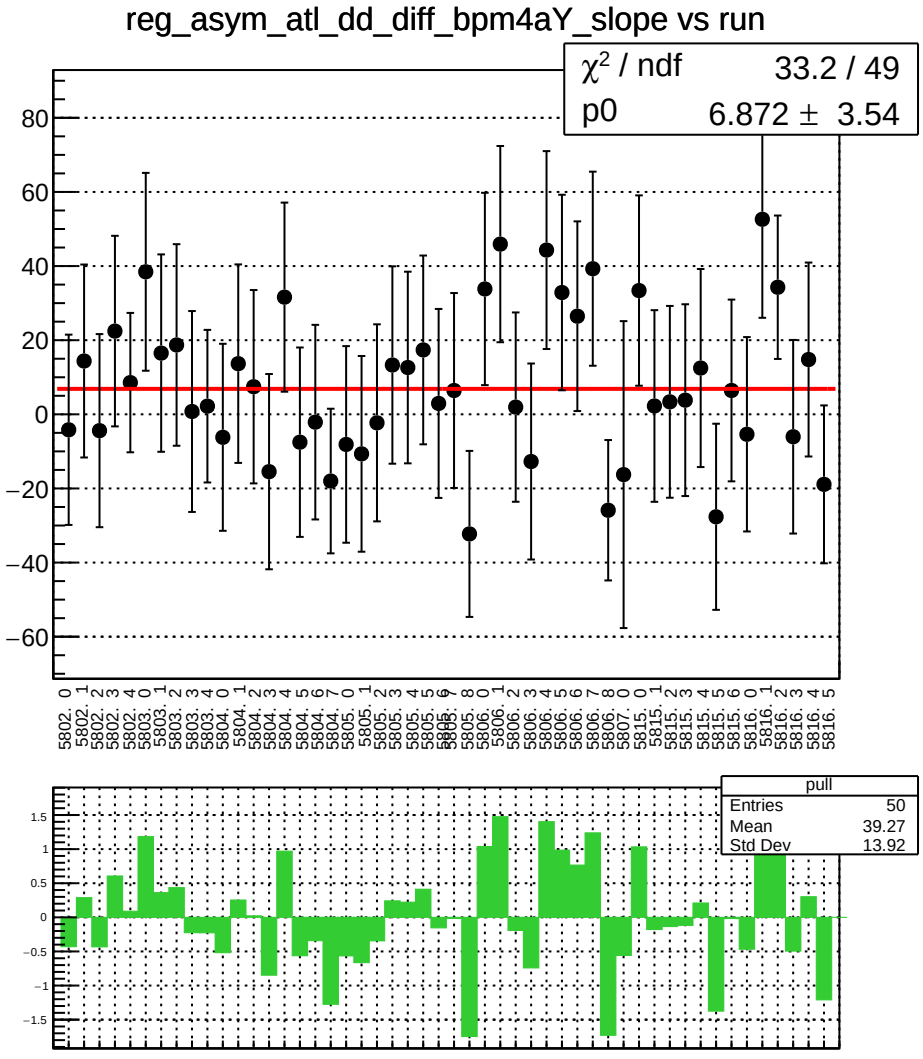

pull1D
Entries 50
Mean −0.0206
Std Dev 0.5549

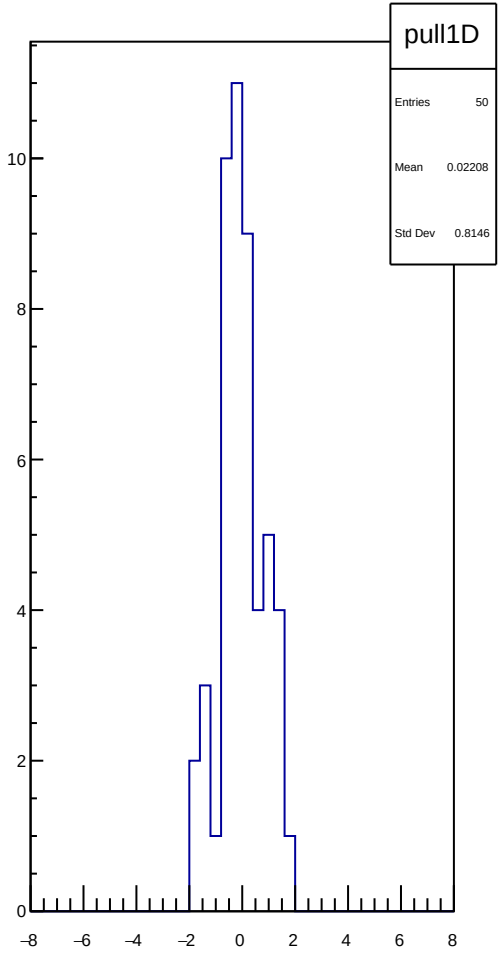

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 35.44 / 49
p0 −127.7 ± 0.3672
pull
Entries 50
Mean 456.6
Std Dev 427.6

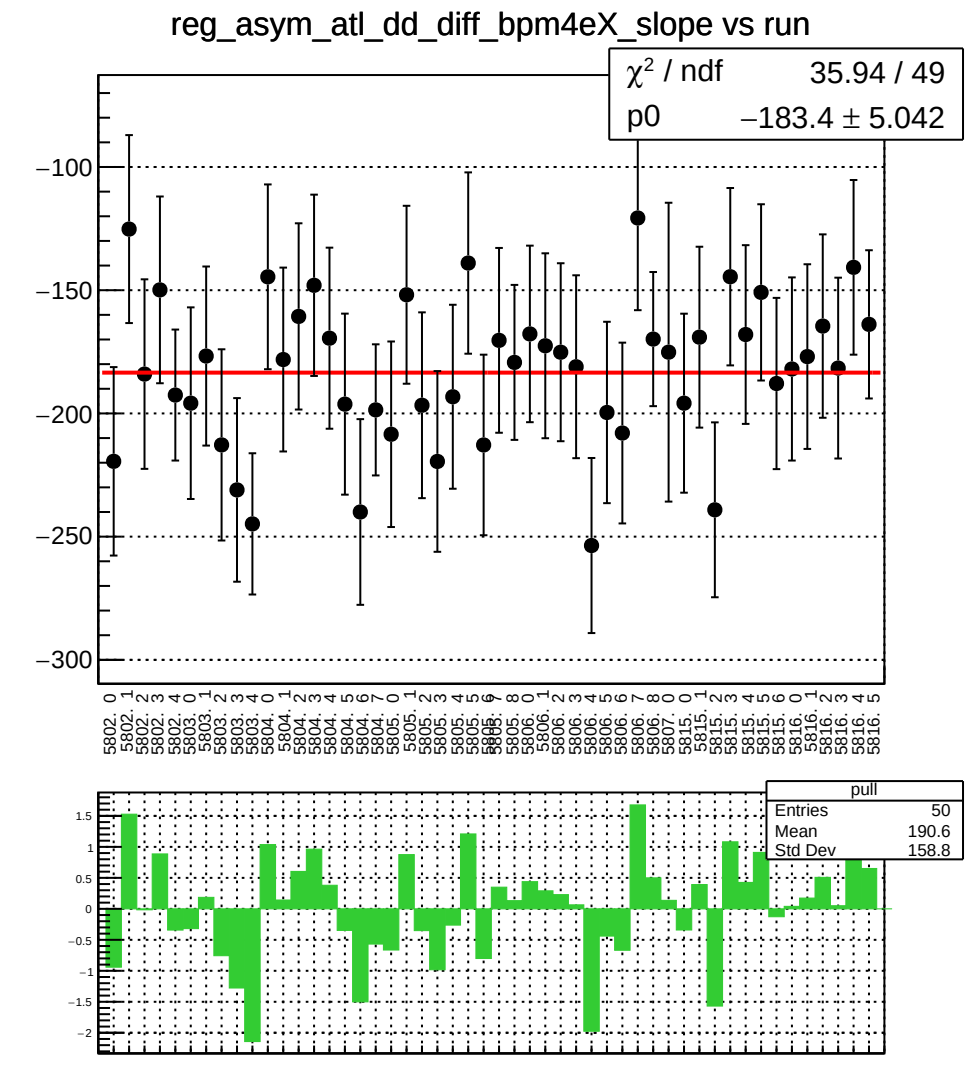

pull1D
Entries 50
Mean −0.009344
Std Dev 0.8418

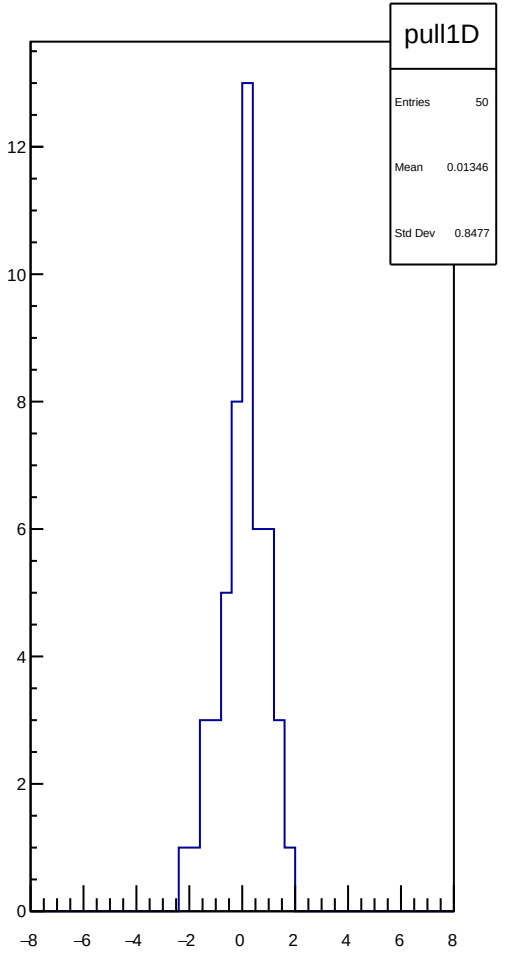

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.67 / 49
p0 177.4 ± 3.959
pull
Entries 50
Mean 246.3
Std Dev 215.3

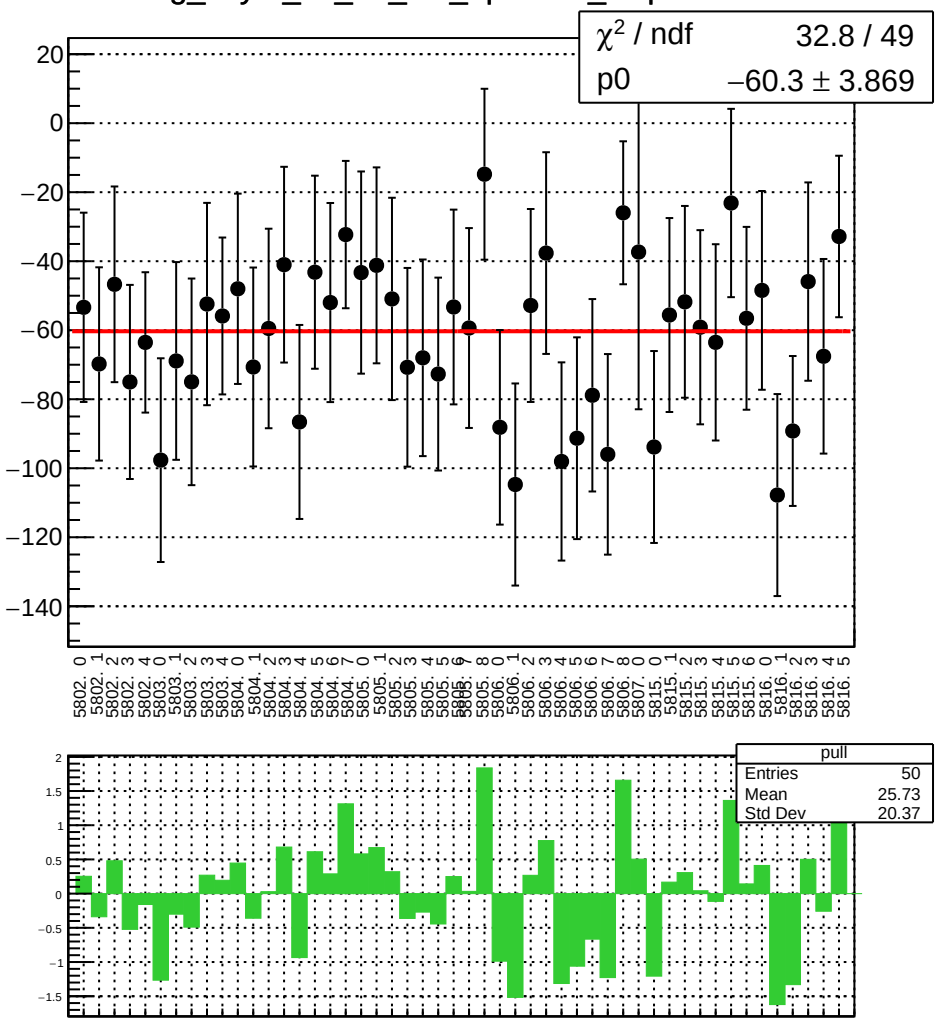

pull1D
Entries 50
Mean −0.01043
Std Dev 0.8327

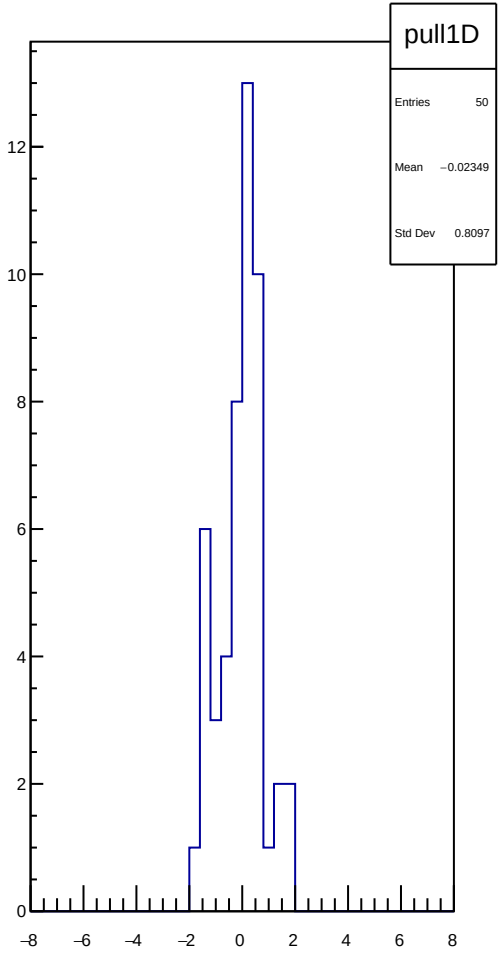

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.2 / 49
p0 6.872 ± 3.54
pull
Entries 50
Mean 39.27
Std Dev 13.92

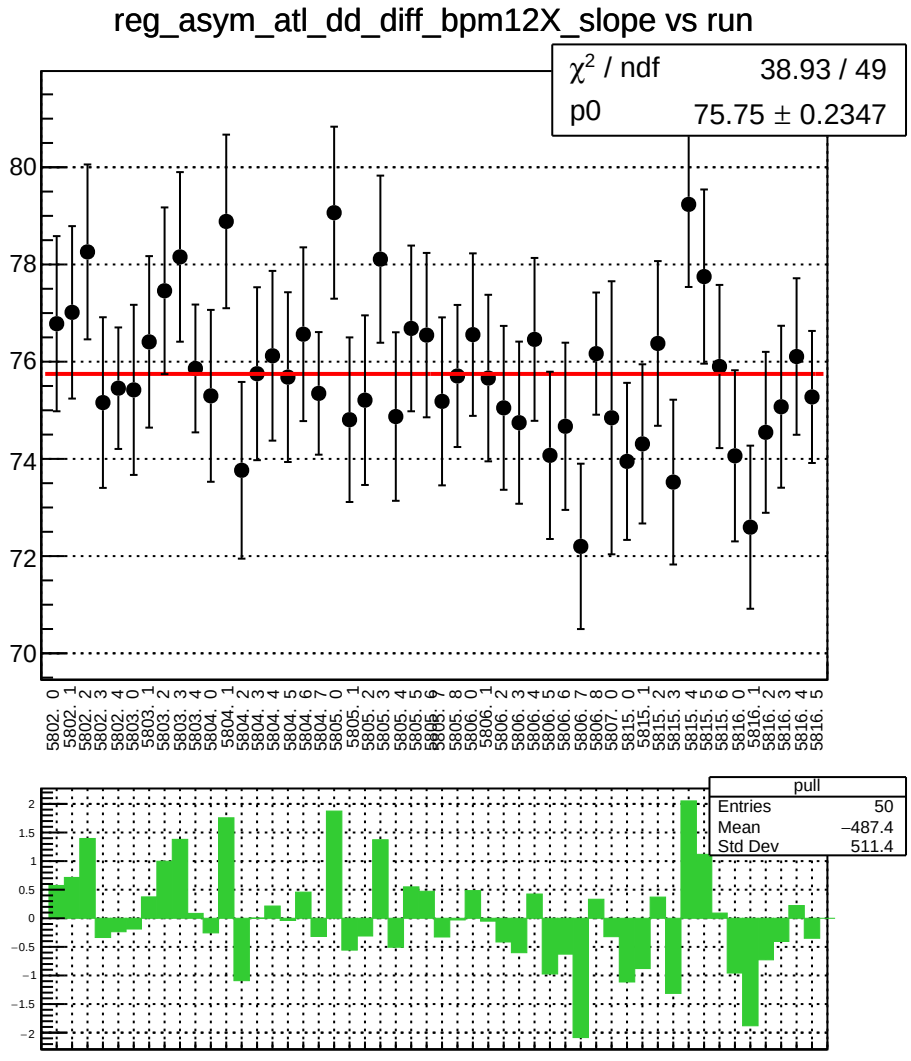

pull1D
Entries 50
Mean 0.02208
Std Dev 0.8146

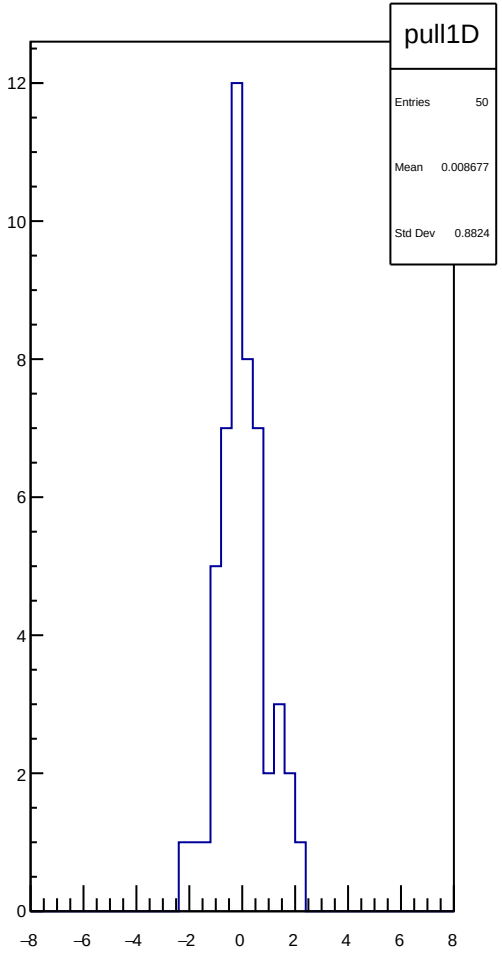

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.94 / 49
p0 −183.4 ± 5.042
−100
−150
−200
−250
−300
pull
Entries 50
Mean 190.6
Std Dev 158.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

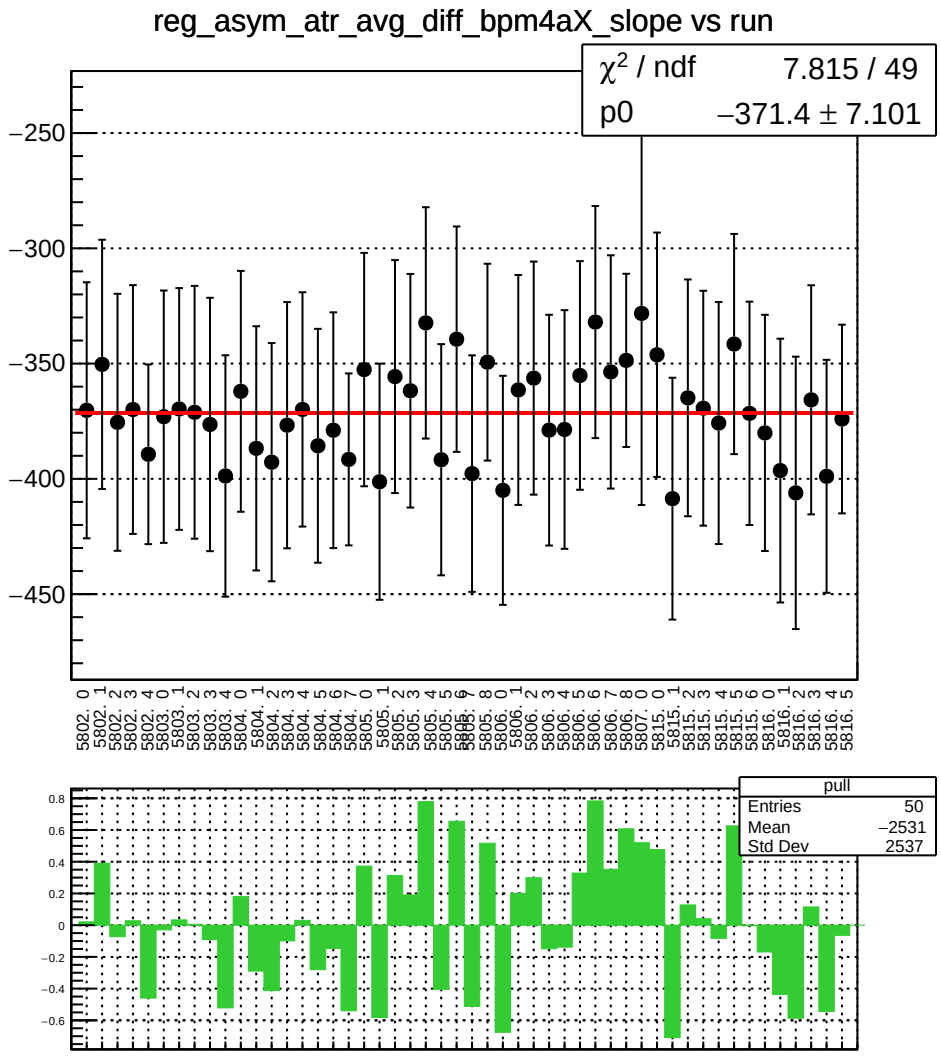

pull1D
Entries 50
Mean 0.01346
Std Dev 0.8477
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

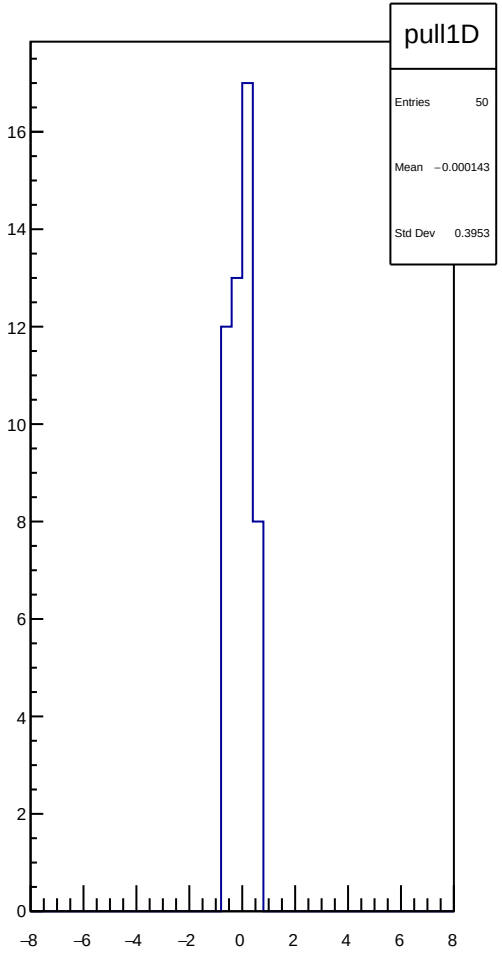

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.8 / 49
p0 −60.3 ± 3.869
pull
Entries 50
Mean 25.73
Std Dev 20.37

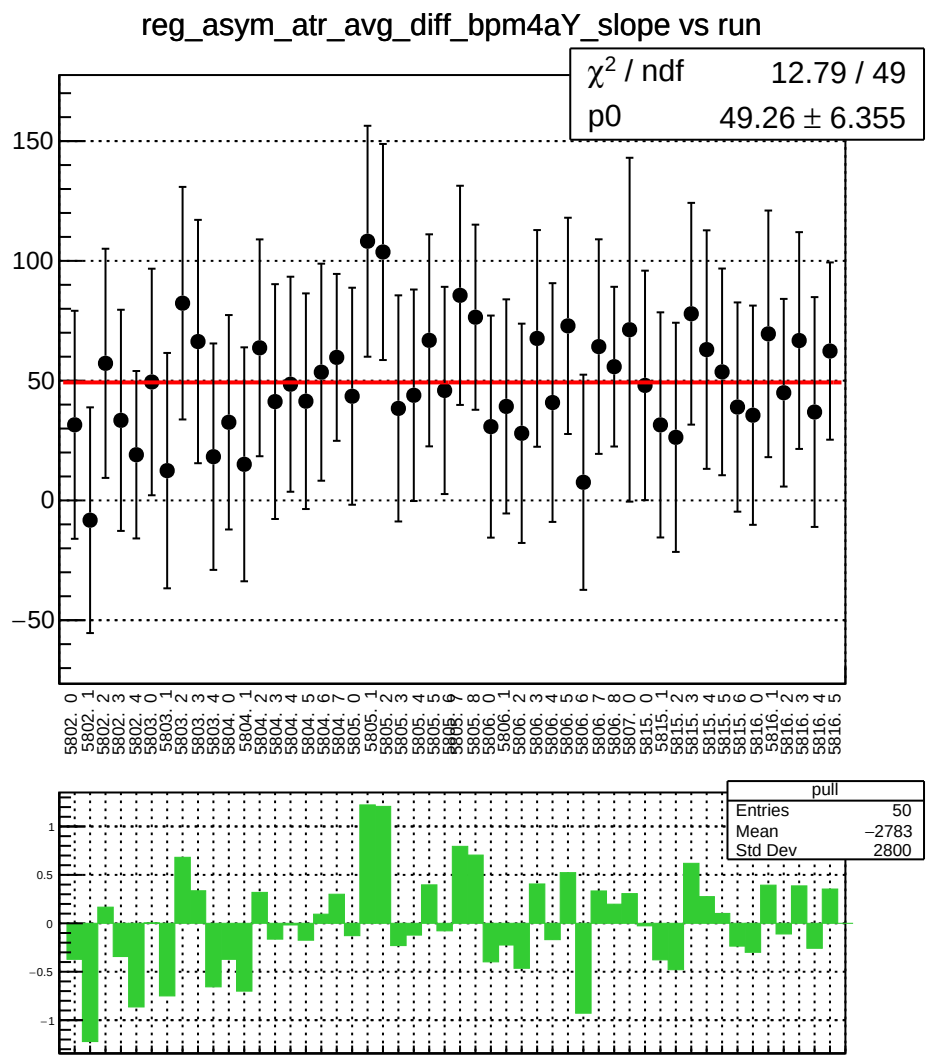

pull1D
Entries 50
Mean −0.02349
Std Dev 0.8097

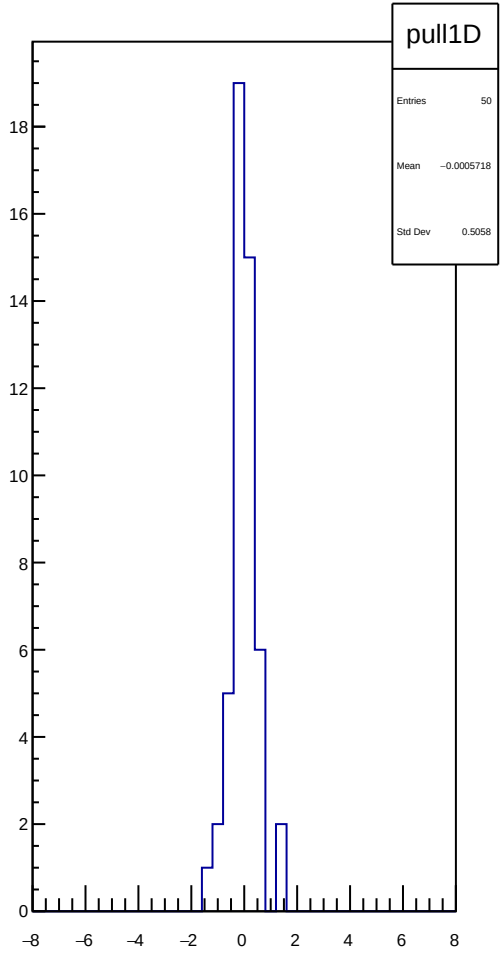

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 38.93 / 49
p0 75.75 ± 0.2347
80
78
76
74
72
70
pull
Entries 50
Mean −487.4
Std Dev 511.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

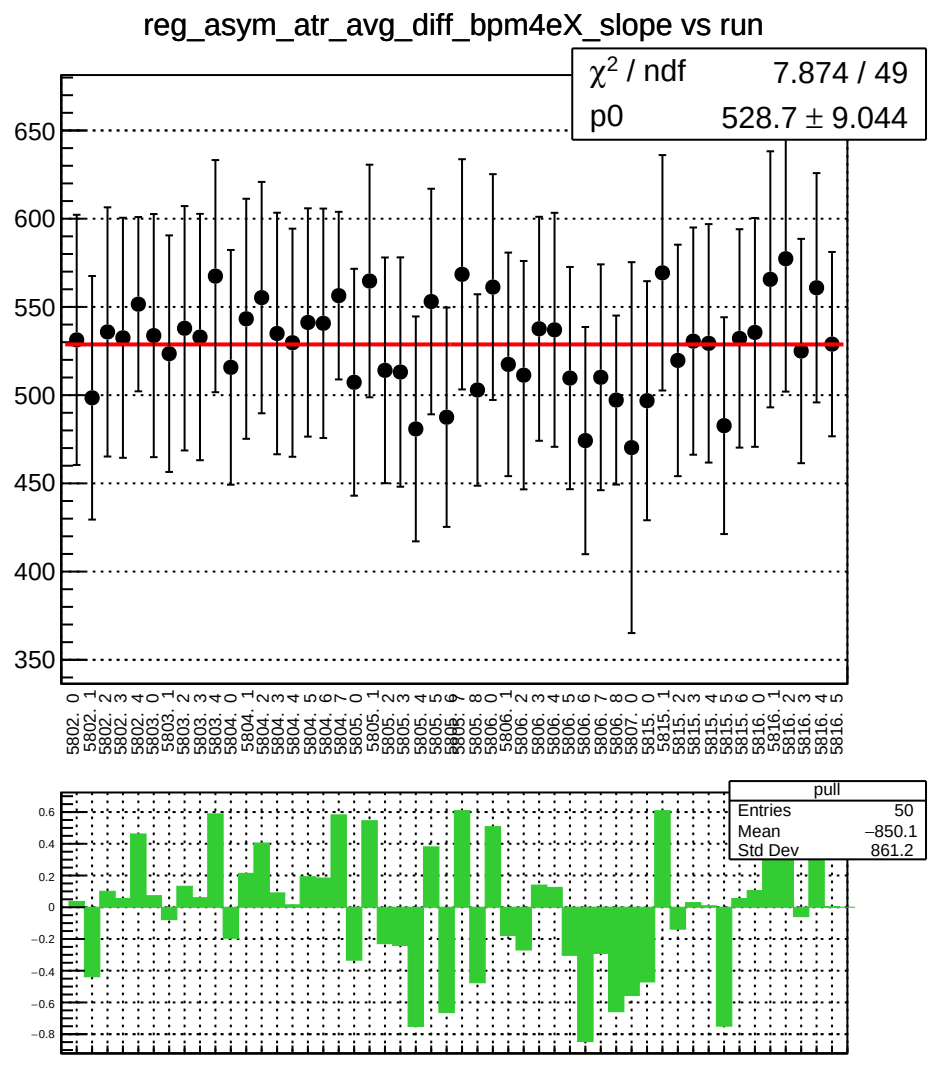

pull1D
Entries 50
Mean 0.008677
Std Dev 0.8824
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

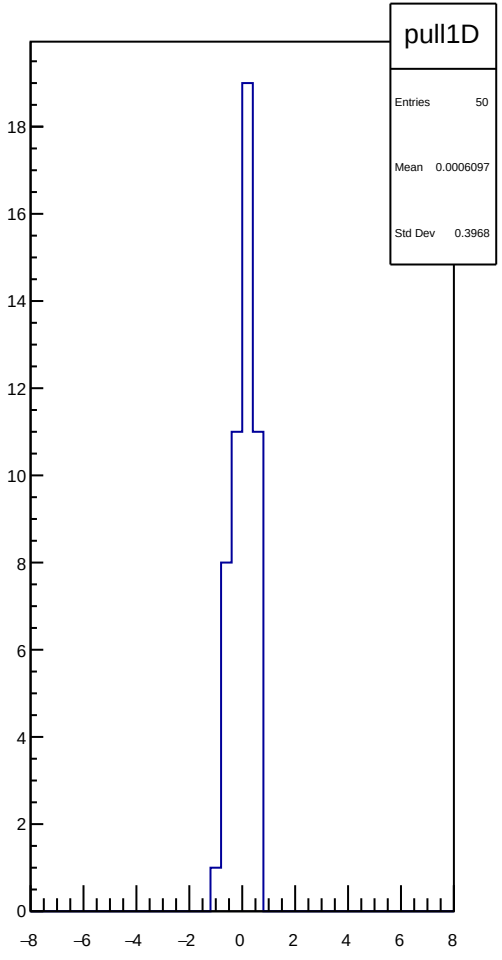

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.815 / 49
p0 −371.4 ± 7.101
−250
−300
−350
−400
−450
pull
Entries 50
Mean −2531
Std Dev 2537
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

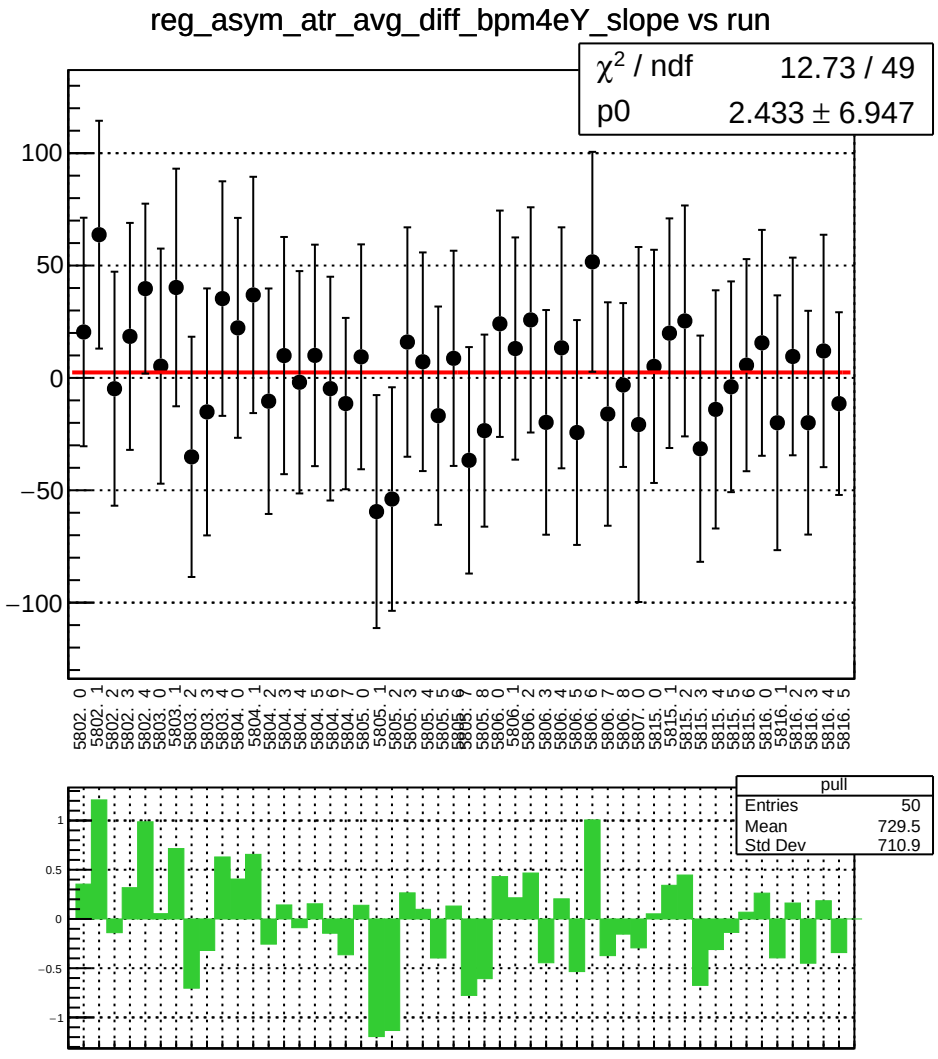

pull1D
Entries 50
Mean −0.000143
Std Dev 0.3953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

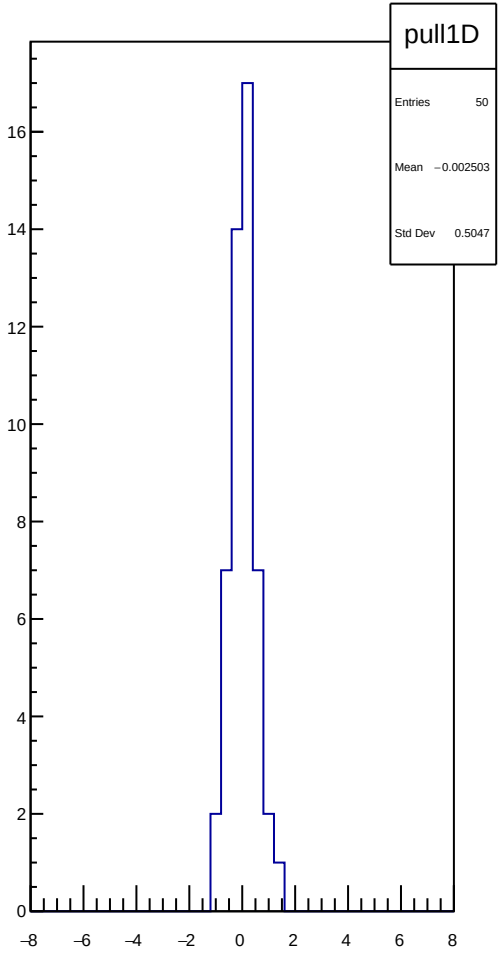

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.79 / 49
p0 49.26 ± 6.355
150
100
50
0
−50
pull
Entries 50
Mean −2783
Std Dev 2800
1
0.5
0
−0.5
−1

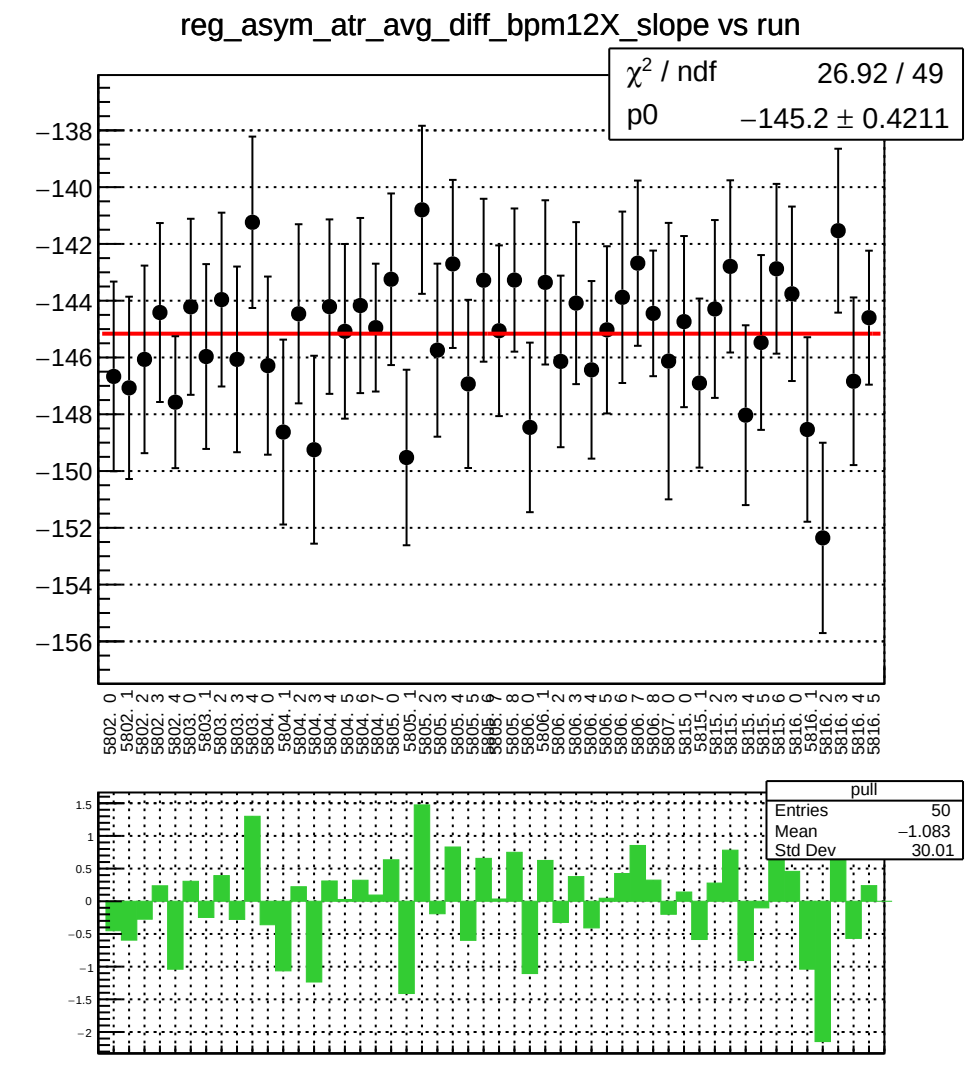

pull1D
Entries 50
Mean −0.0005718
Std Dev 0.5058
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

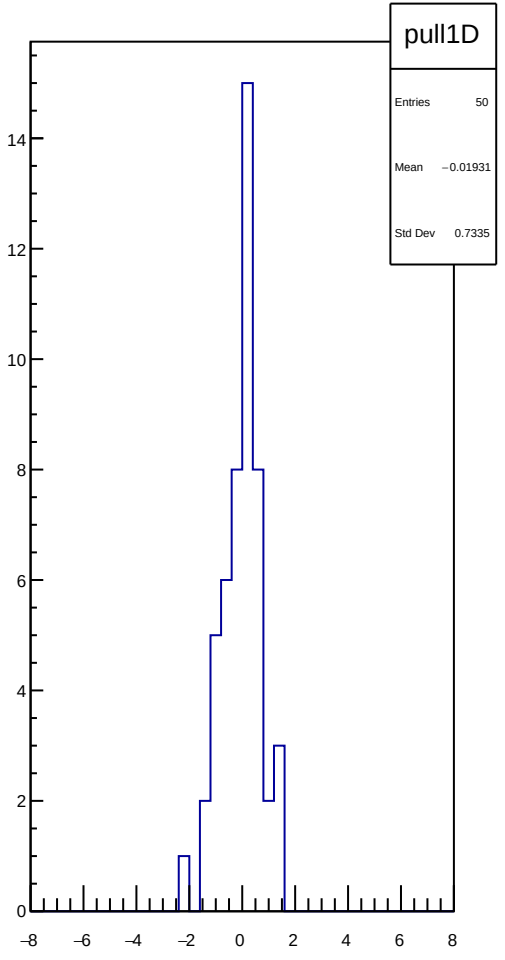

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.874 / 49
p0 528.7 ± 9.044
650
600
550
500
450
400
350
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean −850.1
Std Dev 861.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

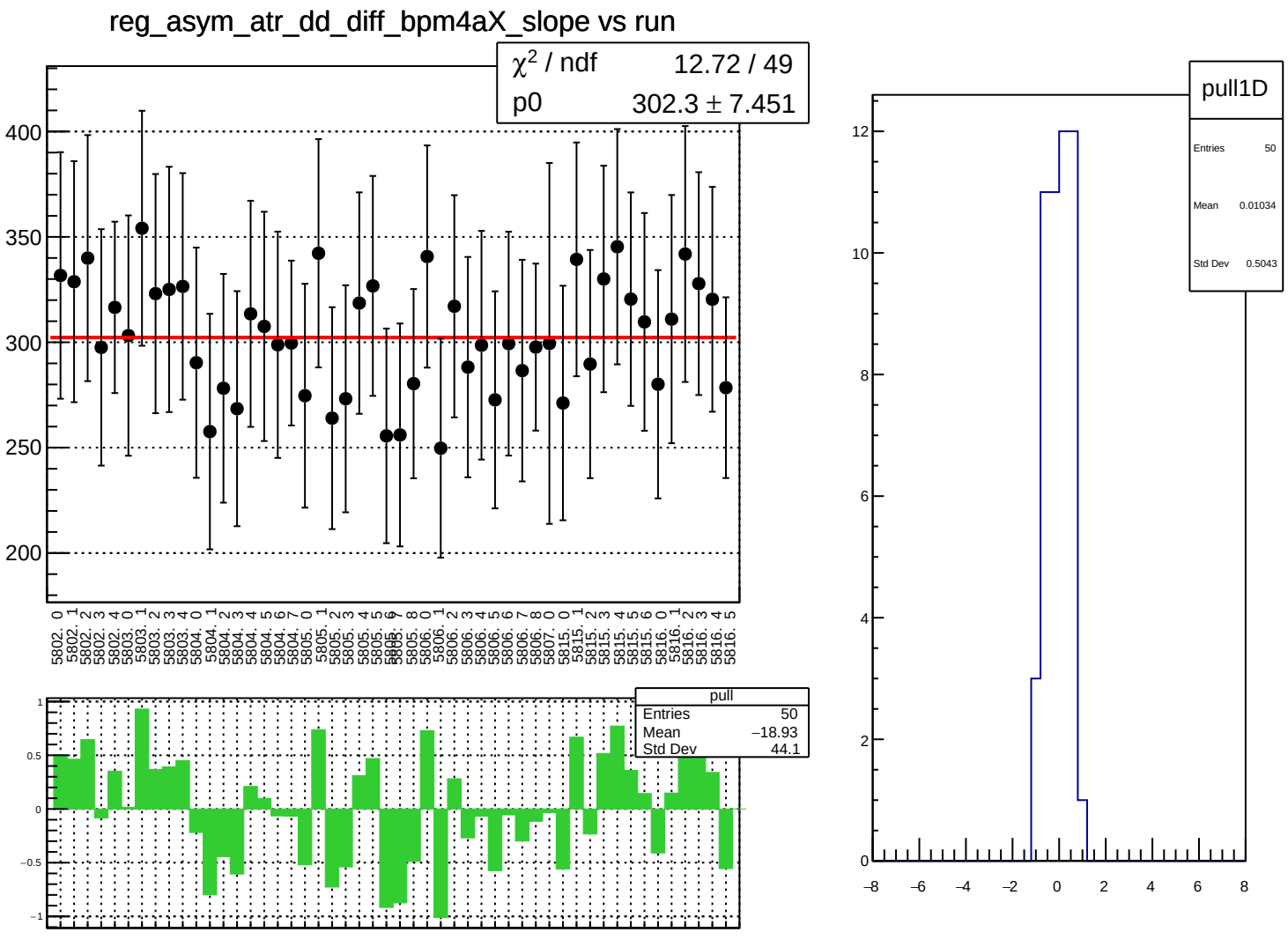

pull1D
Entries 50
Mean 0.0006097
Std Dev 0.3968
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

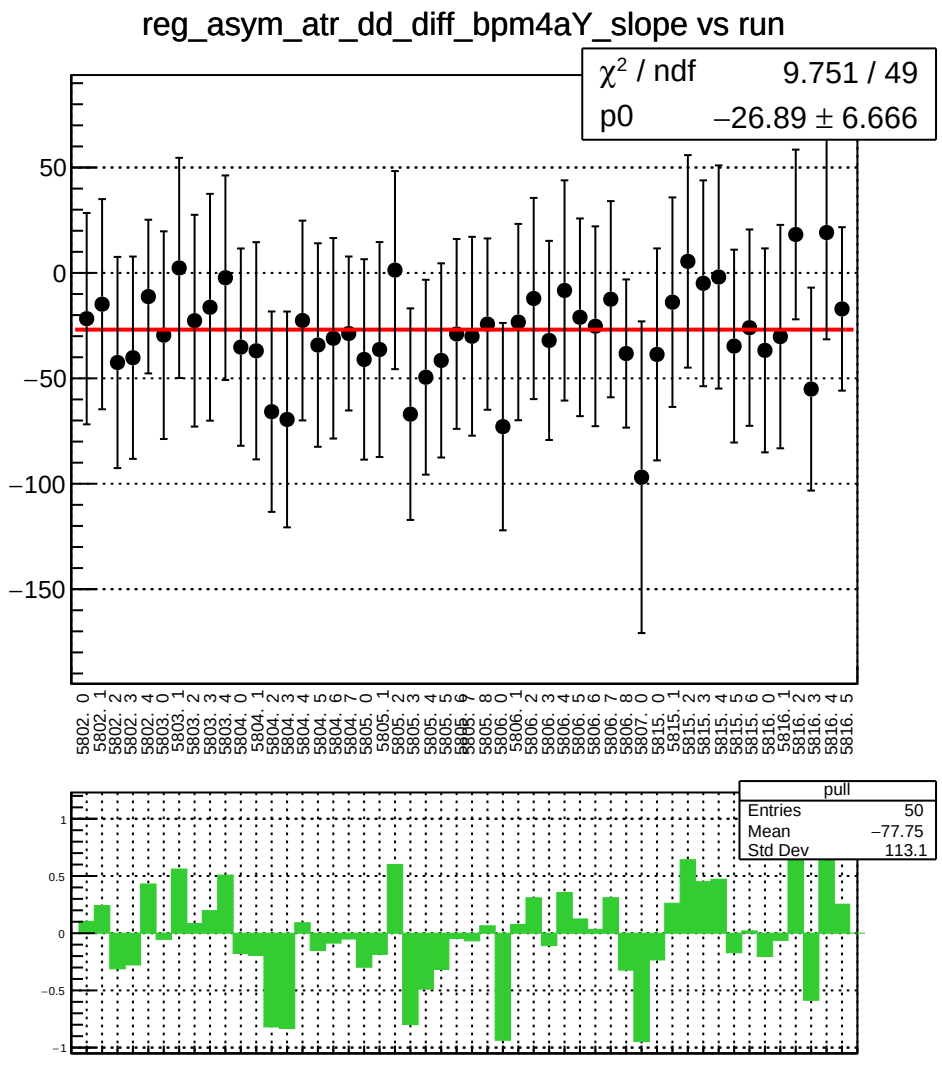

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.73 / 49
p0 2.433 ± 6.947
100
50
0
−50
−100
pull
Entries 50
Mean 729.5
Std Dev 710.9
1
0.5
0
−0.5
−1


pull1D
Entries 50
Mean −0.002503
Std Dev 0.5047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 26.92 / 49
p0 −145.2 ± 0.4211
pull
Entries 50
Mean −1.083
Std Dev 30.01


pull1D
Entries 50
Mean −0.01931
Std Dev 0.7335


reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.72 / 49
p0 302.3 ± 7.451
pull
Entries 50
Mean −18.93
Std Dev 44.1
pull1D
Entries 50
Mean 0.01034
Std Dev 0.5043


reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.751 / 49
p0 −26.89 ± 6.666
50
0
−50
−100
−150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
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5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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5805. 5
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5805. 7
5805. 8
5806. 0
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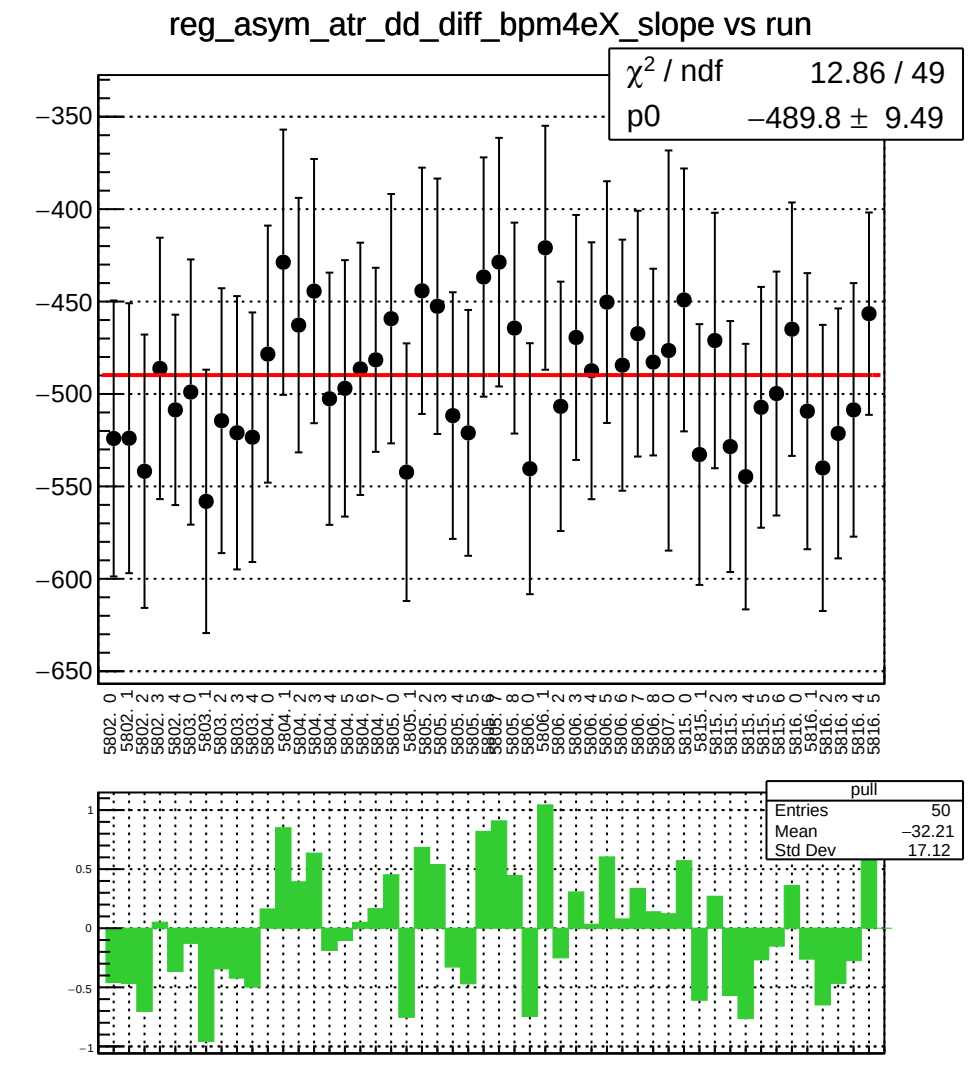
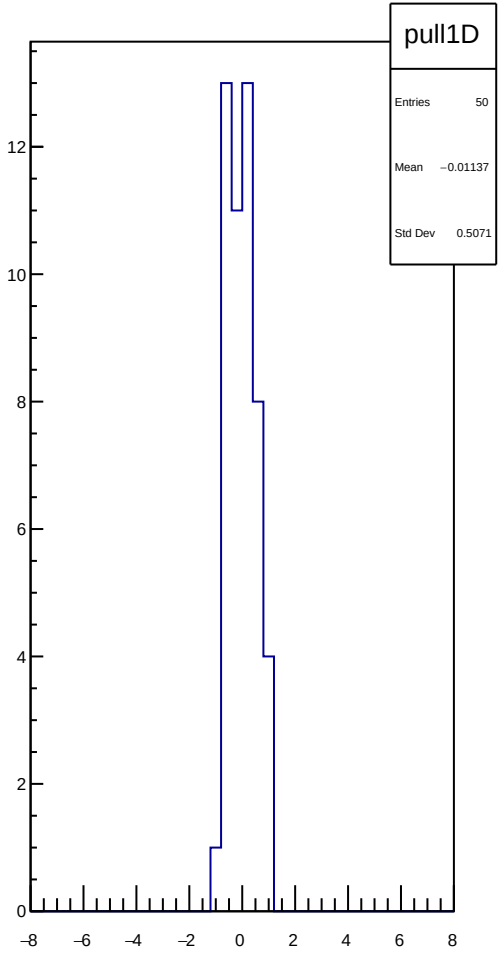
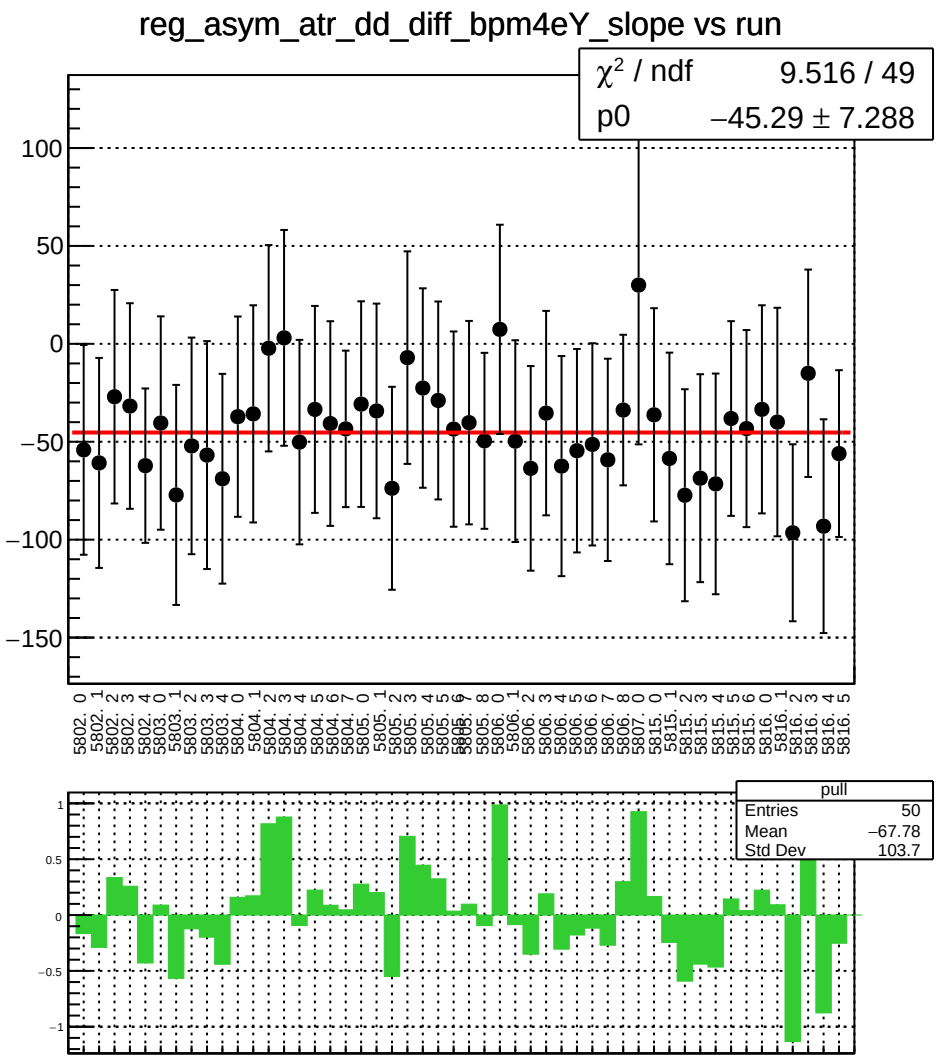
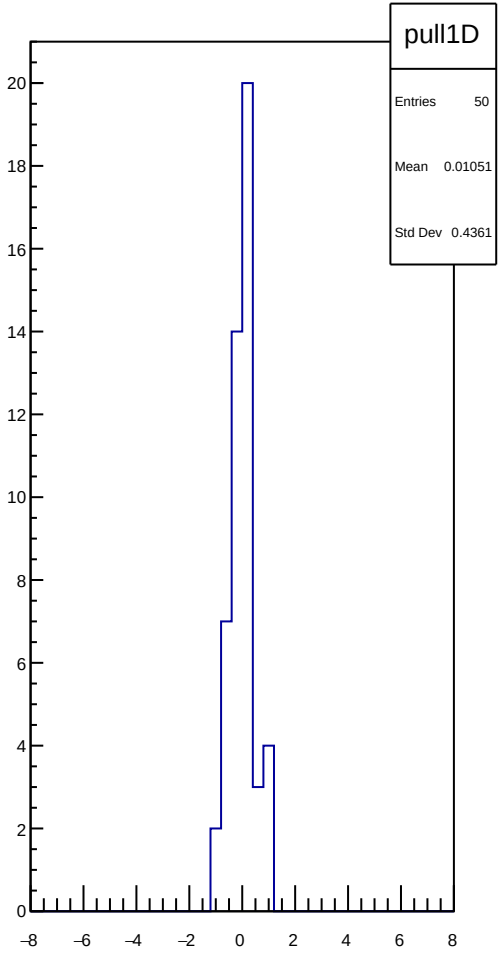
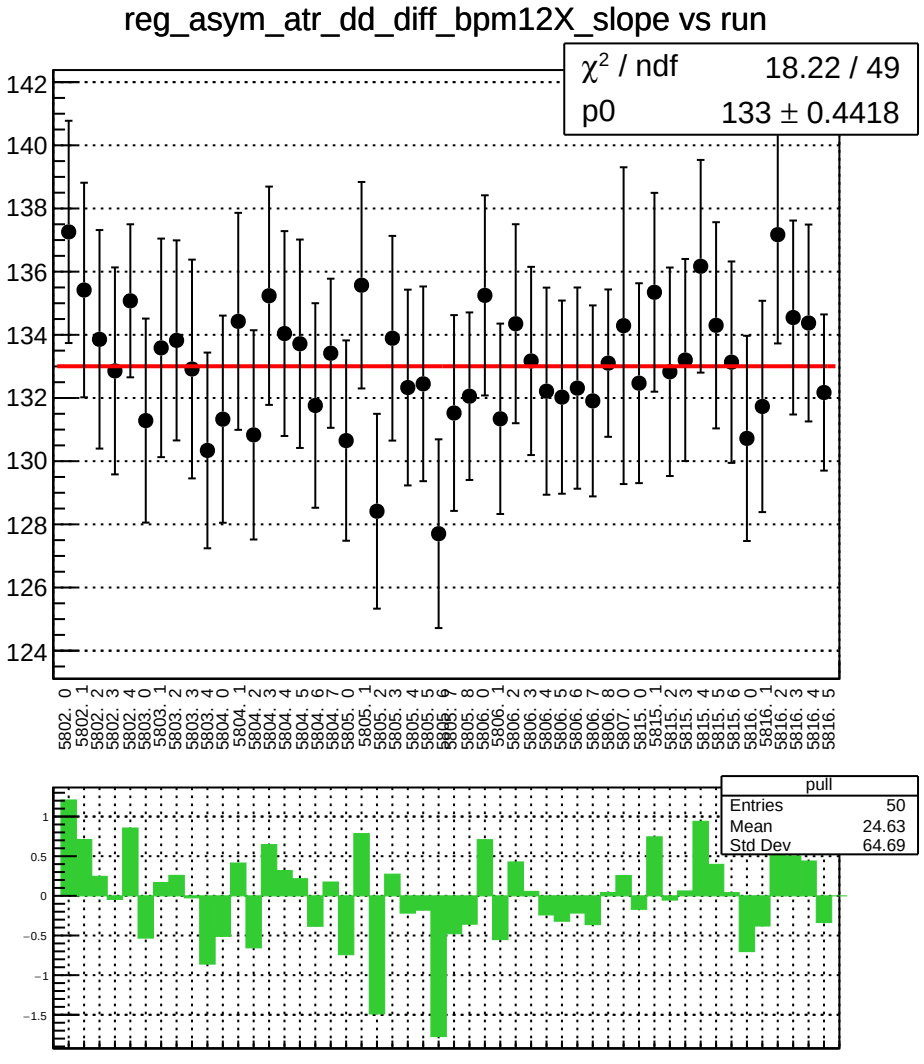
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean −77.75
Std Dev 113.1
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.01006
Std Dev 0.4415
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.86 / 49
p0 −489.8 ± 9.49
pull
Entries 50
Mean −32.21
Std Dev 17.12


pull1D
Entries 50
Mean −0.01137
Std Dev 0.5071


reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.516 / 49
p0 −45.29 ± 7.288
pull
Entries 50
Mean −67.78
Std Dev 103.7


pull1D
Entries 50
Mean 0.01051
Std Dev 0.4361


reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 18.22 / 49
p0 133 ± 0.4418
142
140
138
136
134
132
130
128
126
124
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
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5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
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5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
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5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 24.63
Std Dev 64.69
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01029
Std Dev 0.6035
14
12
10
8
6
4
2
0
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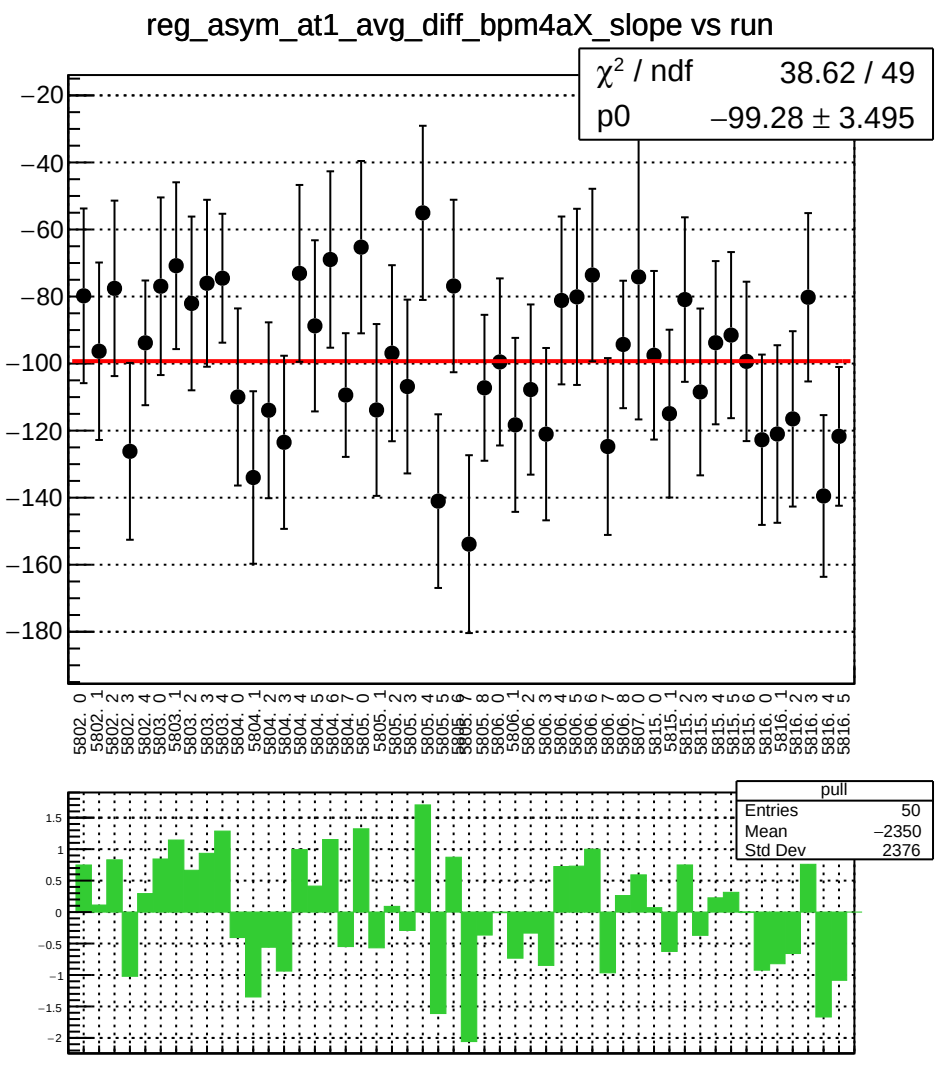
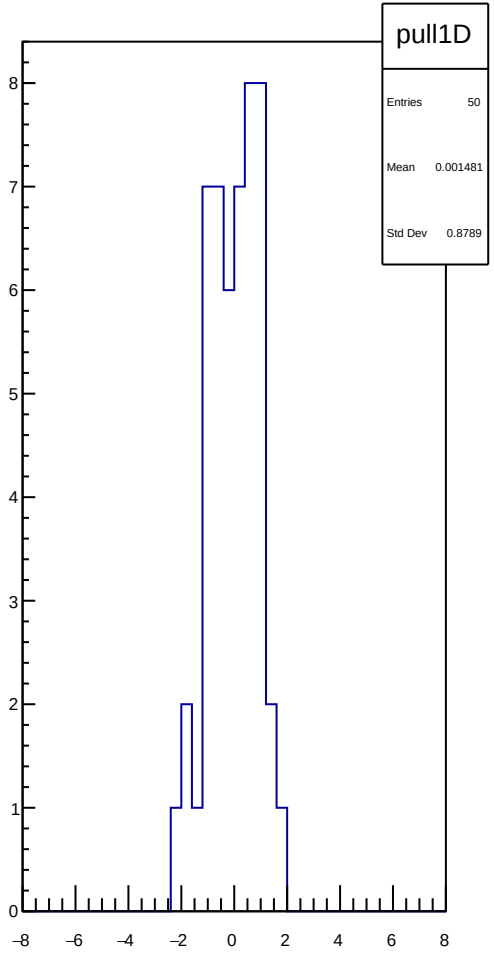
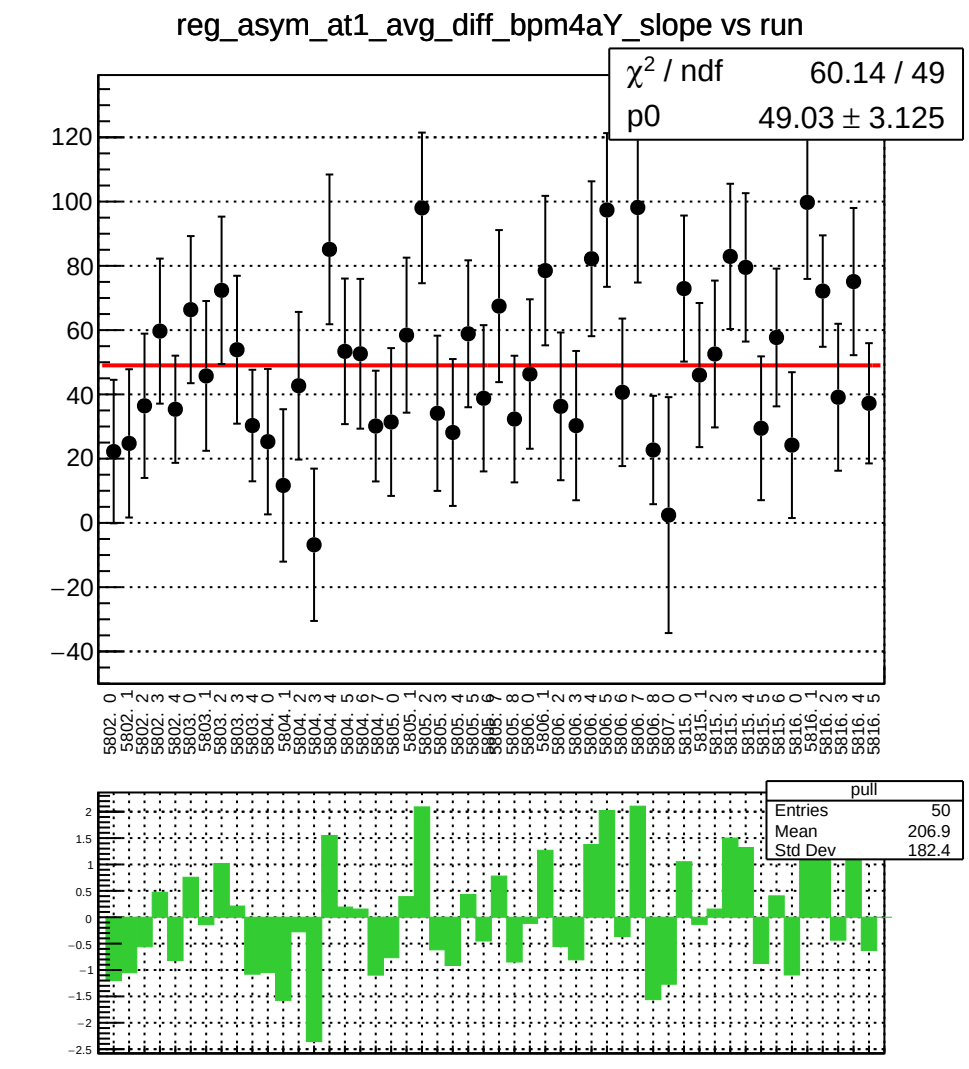
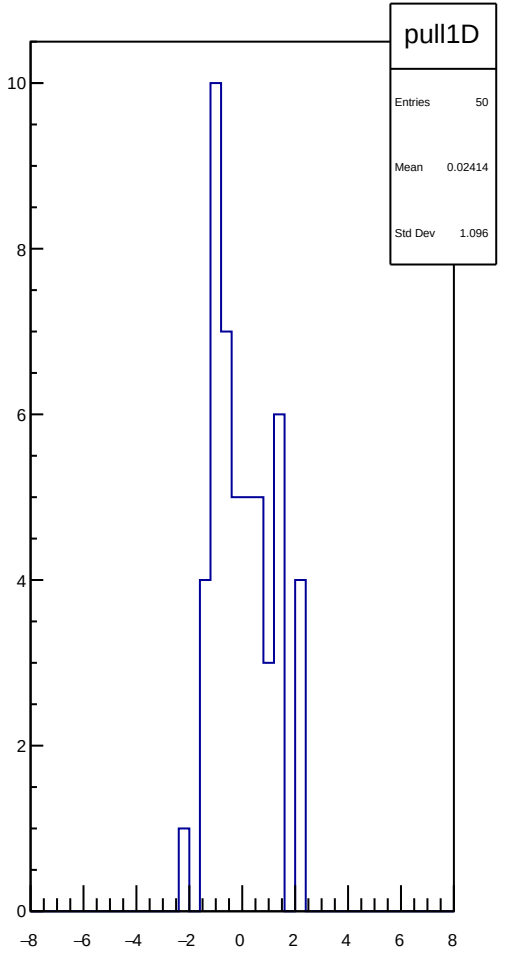
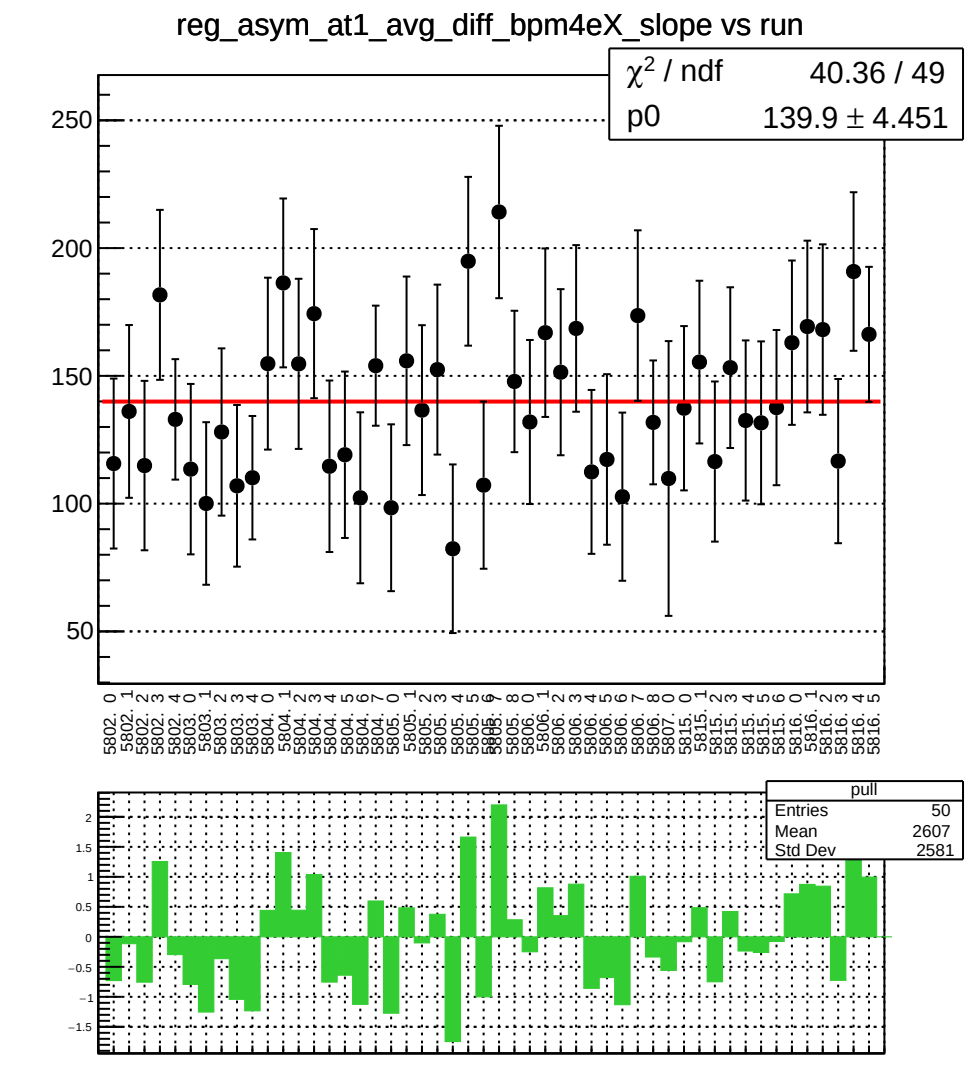
−6
−4
−2
0
2
4
6
8


reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 38.62 / 49
p0 −99.28 ± 3.495
pull
Entries 50
Mean −2350
Std Dev 2376


pull1D
Entries 50
Mean 0.001481
Std Dev 0.8789


reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.14 / 49
p0 49.03 ± 3.125
pull
Entries 50
Mean 206.9
Std Dev 182.4


pull1D
Entries 50
Mean 0.02414
Std Dev 1.096


reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 40.36 / 49
p0 139.9 ± 4.451
250
200
150
100
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
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5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
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5805. 0
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5805. 4
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5806. 0
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5806. 2
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5806. 4
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5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
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5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 2607
Std Dev 2581
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.00123
Std Dev 0.8984
10
8
6
4
2
0
−8
−6
−4
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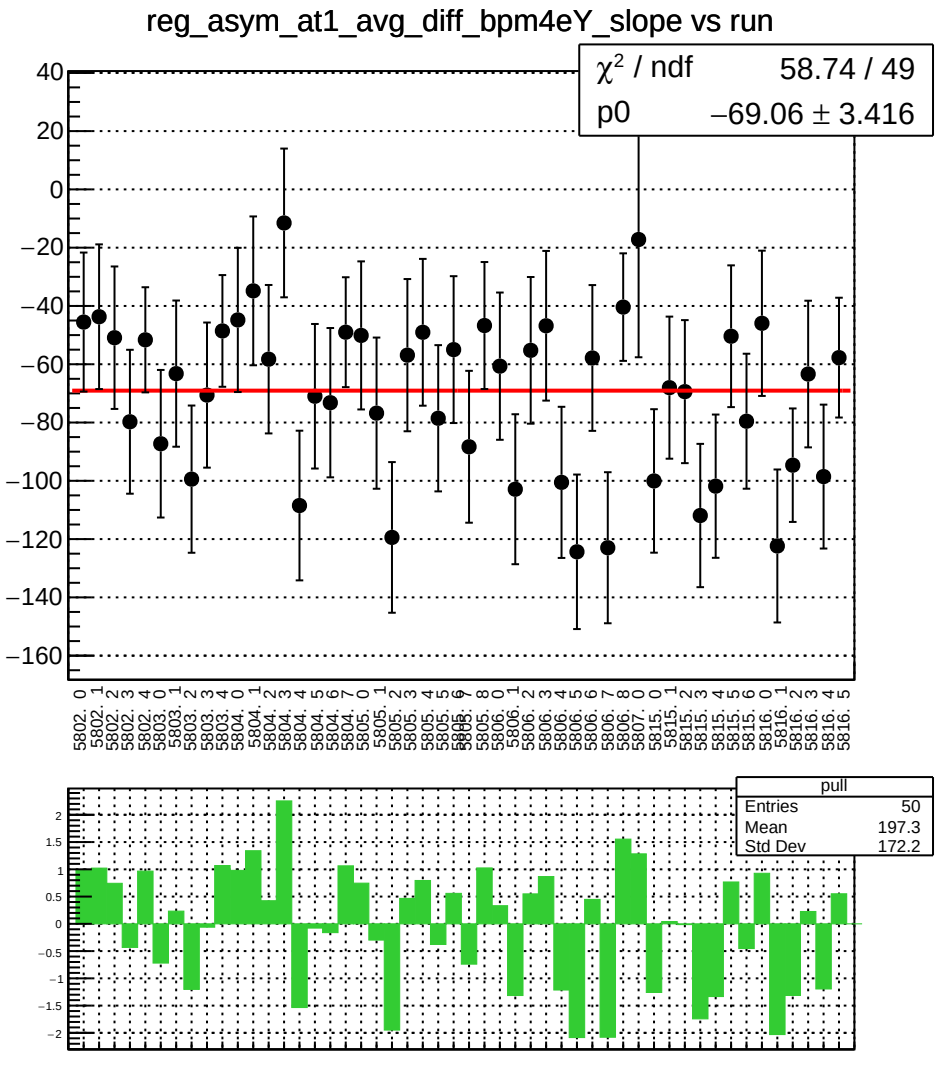
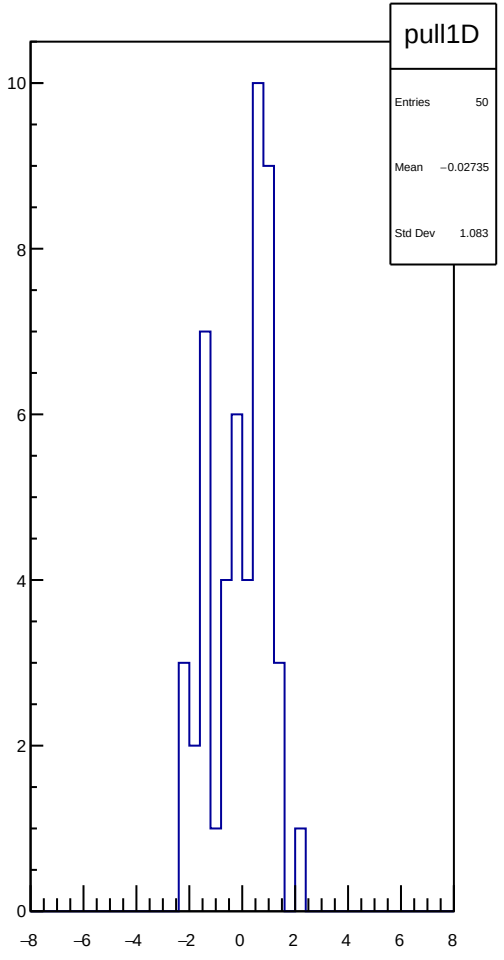
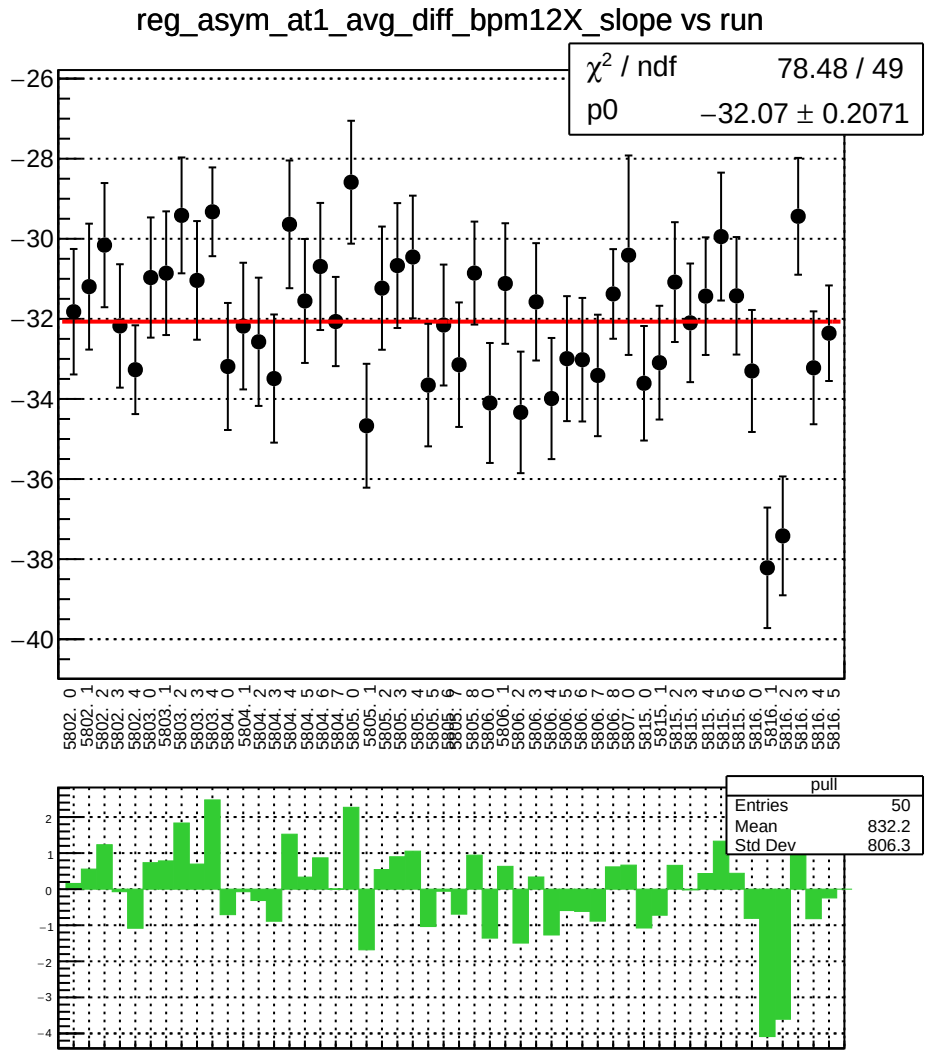
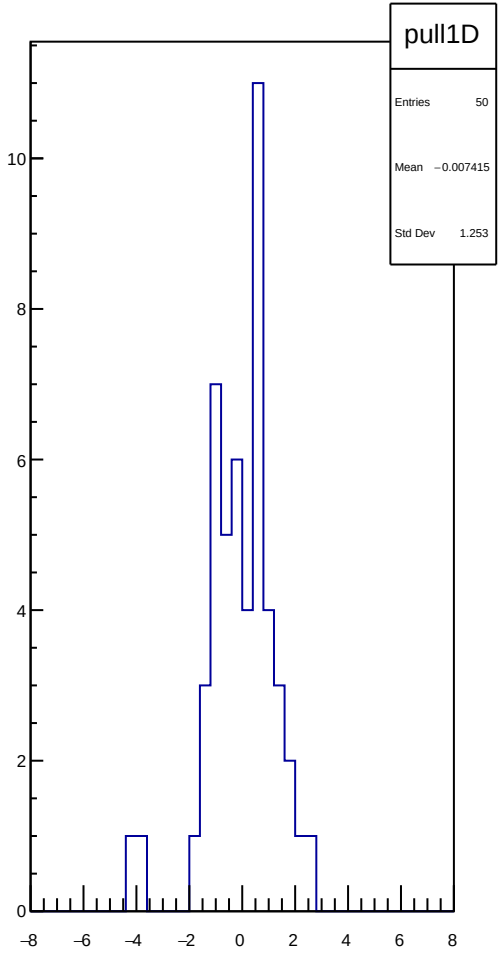
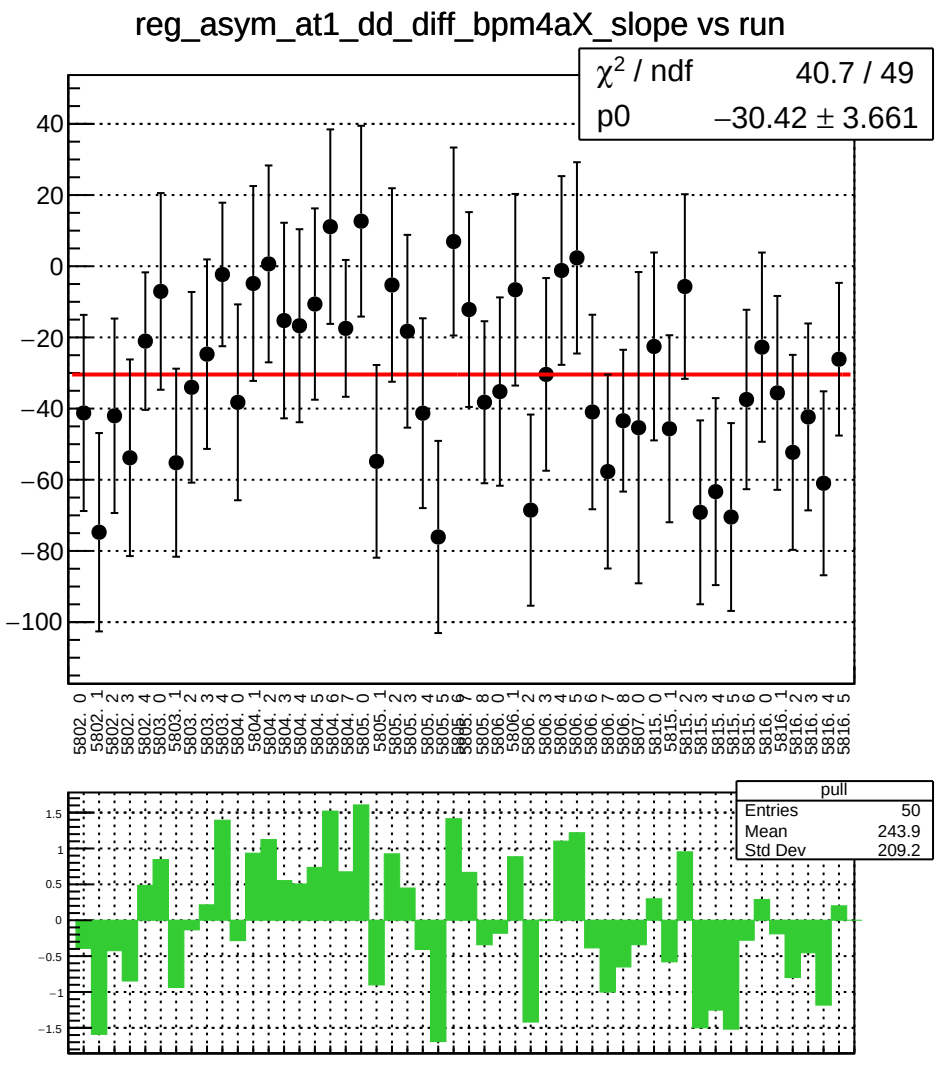
0
2
4
6
8

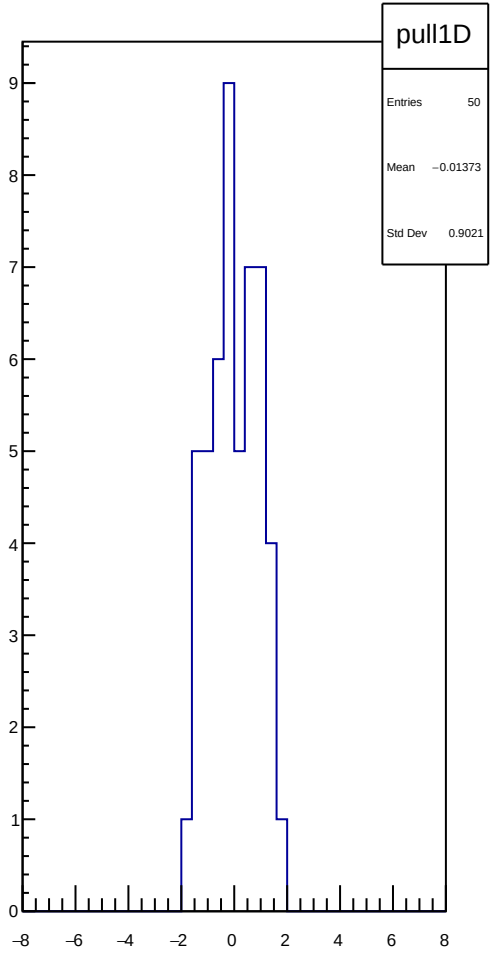

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.74 / 49
p0 −69.06 ± 3.416
pull
Entries 50
Mean 197.3
Std Dev 172.2

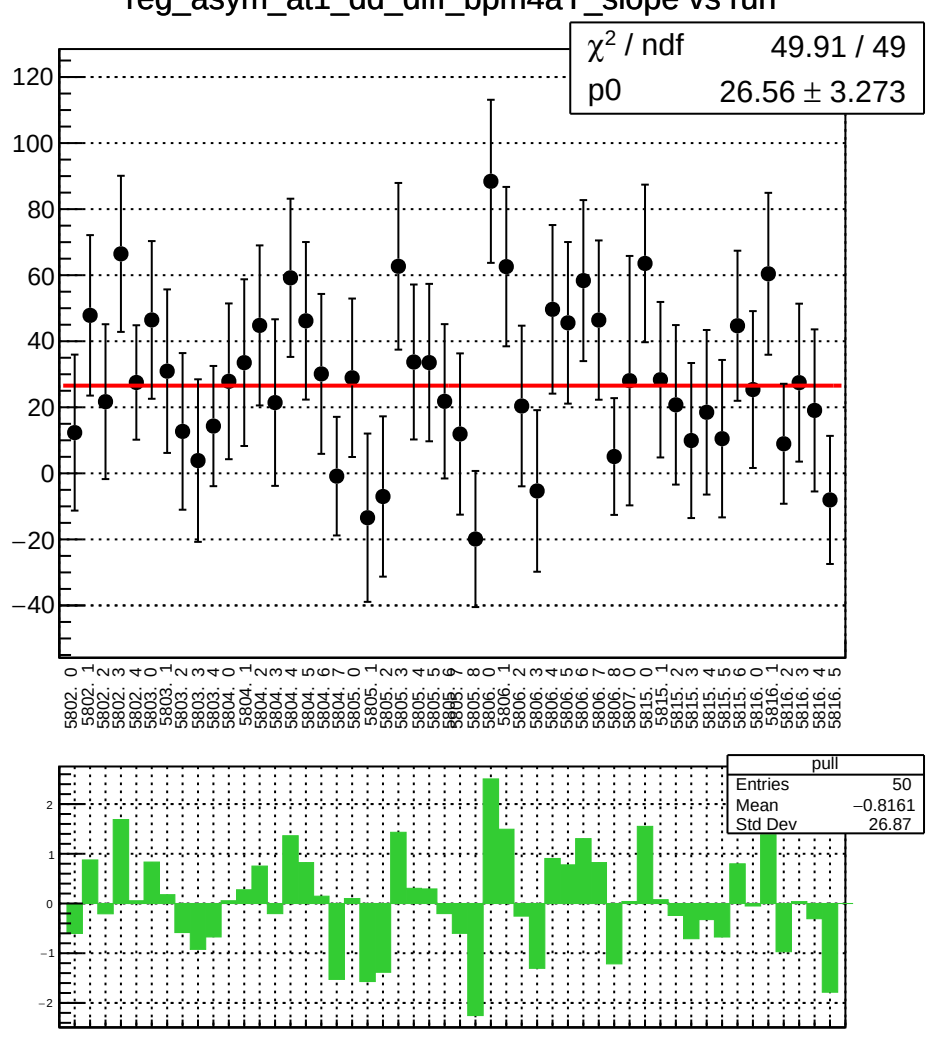

pull1D
Entries 50
Mean −0.02735
Std Dev 1.083

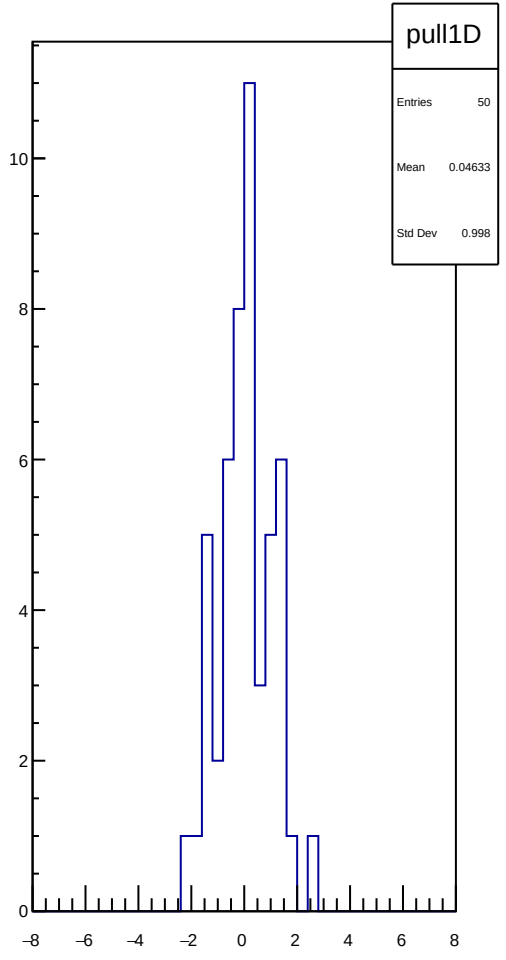

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 78.48 / 49
p0 −32.07 ± 0.2071
pull
Entries 50
Mean 832.2
Std Dev 806.3

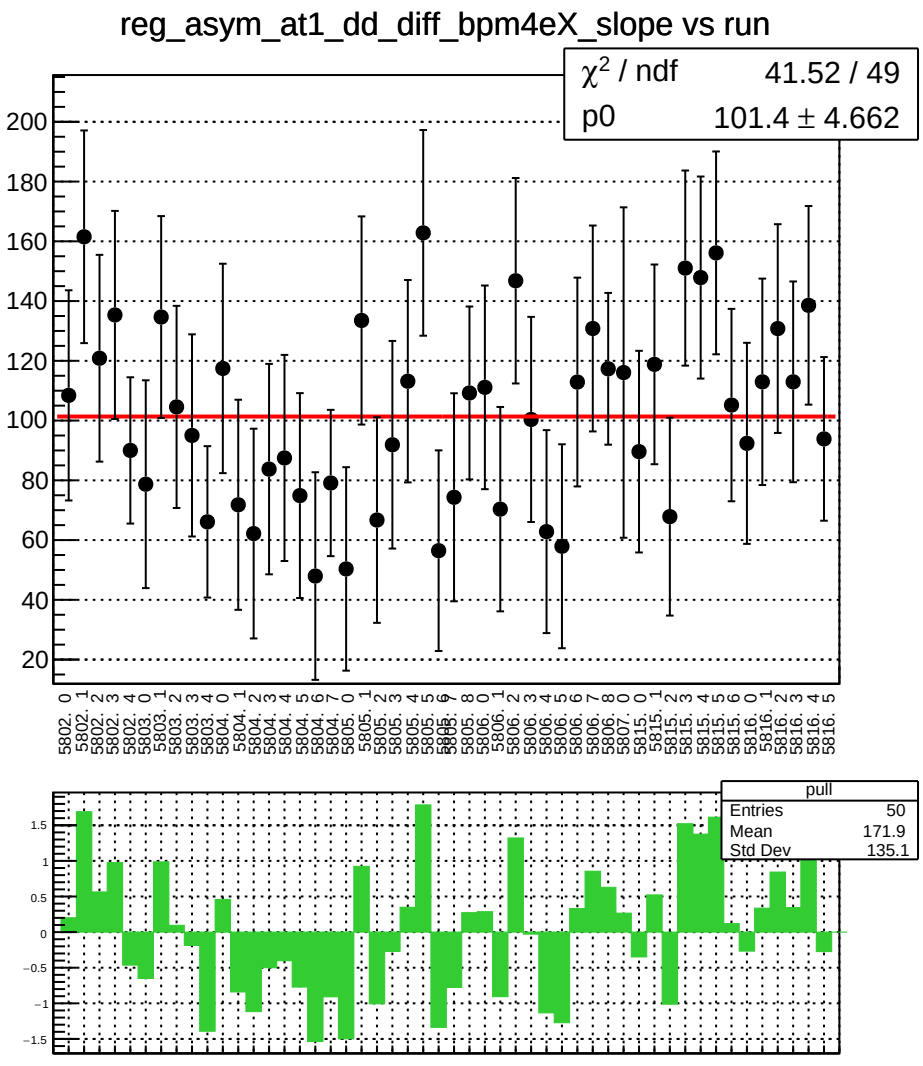

pull1D
Entries 50
Mean −0.007415
Std Dev 1.253

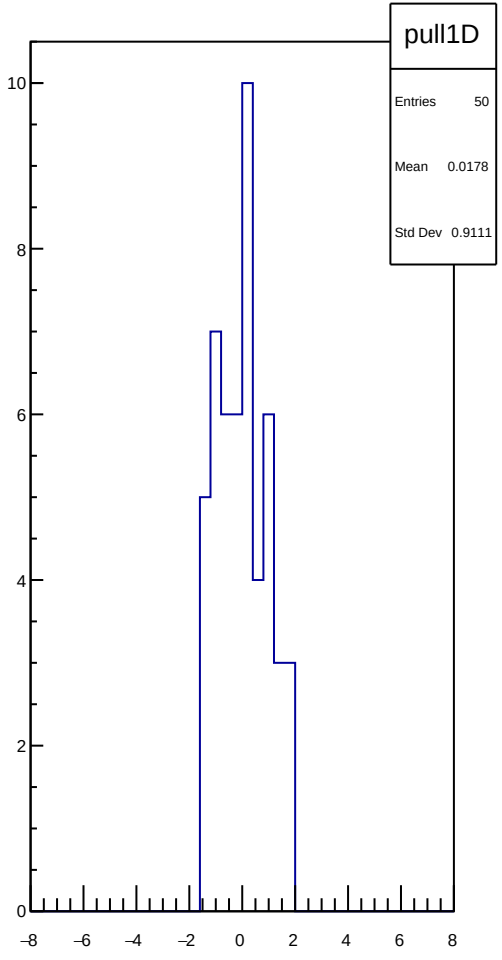

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.7 / 49
p0 −30.42 ± 3.661
pull
Entries 50
Mean 243.9
Std Dev 209.2

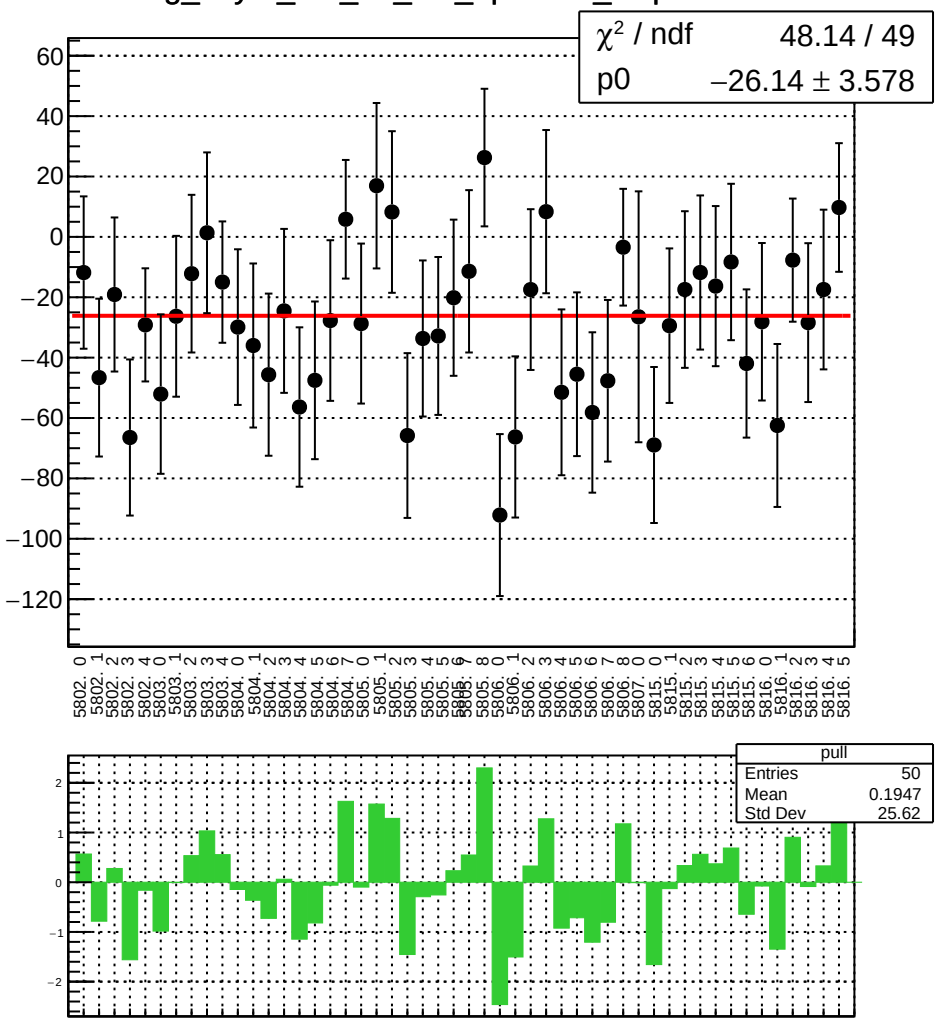

pull1D
Entries 50
Mean −0.01373
Std Dev 0.9021

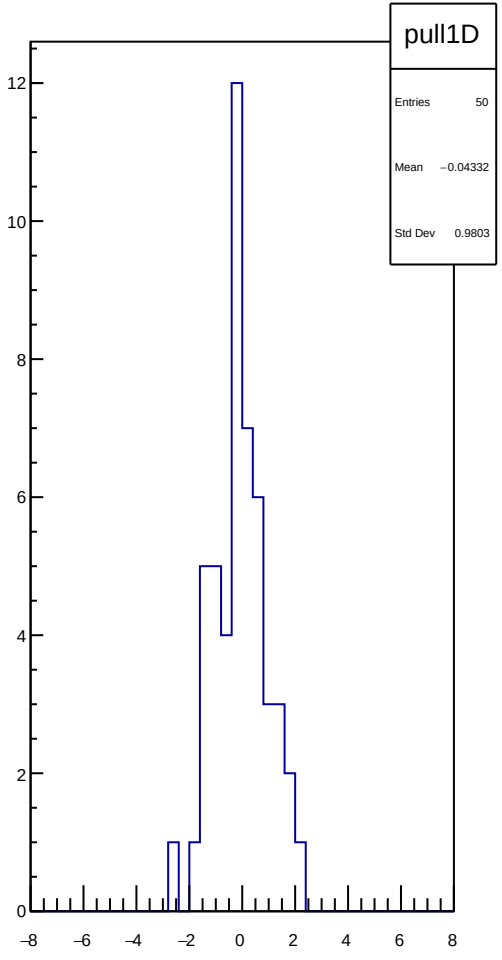

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.91 / 49
p0 26.56 ± 3.273
pull
Entries 50
Mean −0.8161
Std Dev 26.87

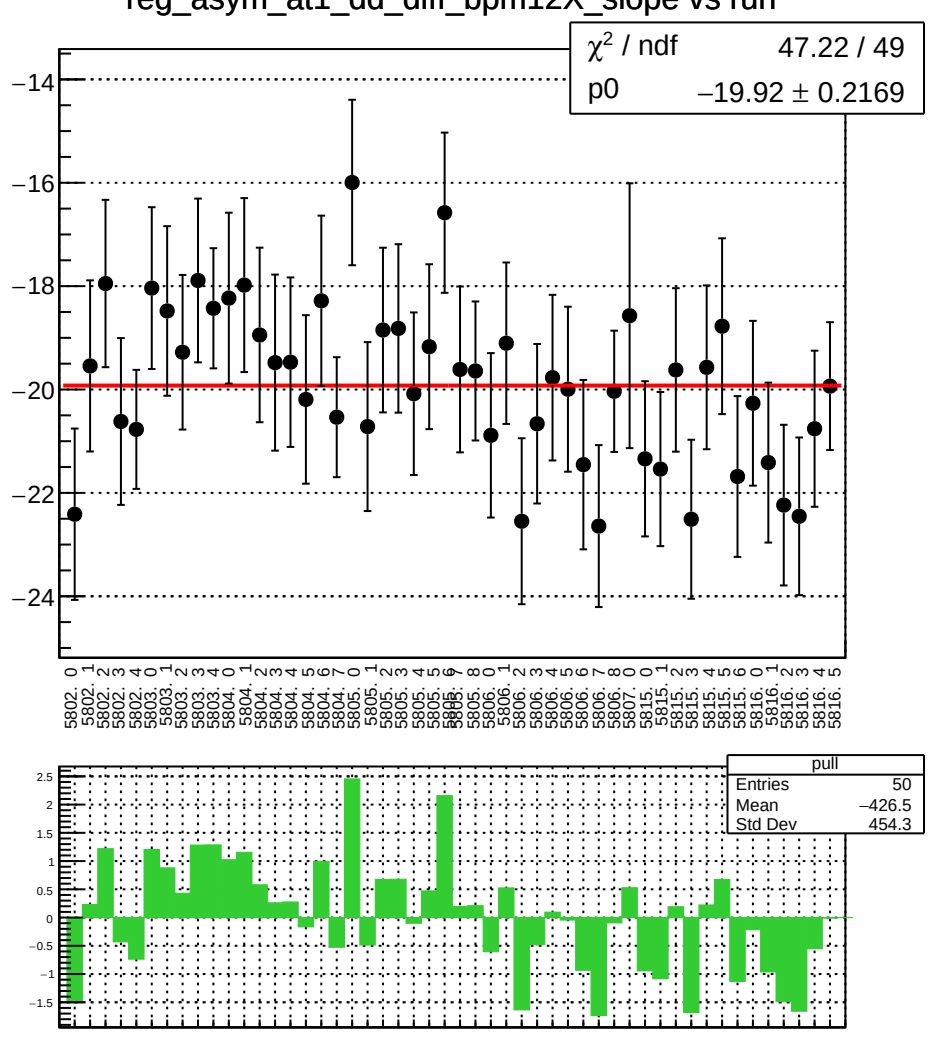

pull1D
Entries 50
Mean 0.04633
Std Dev 0.998

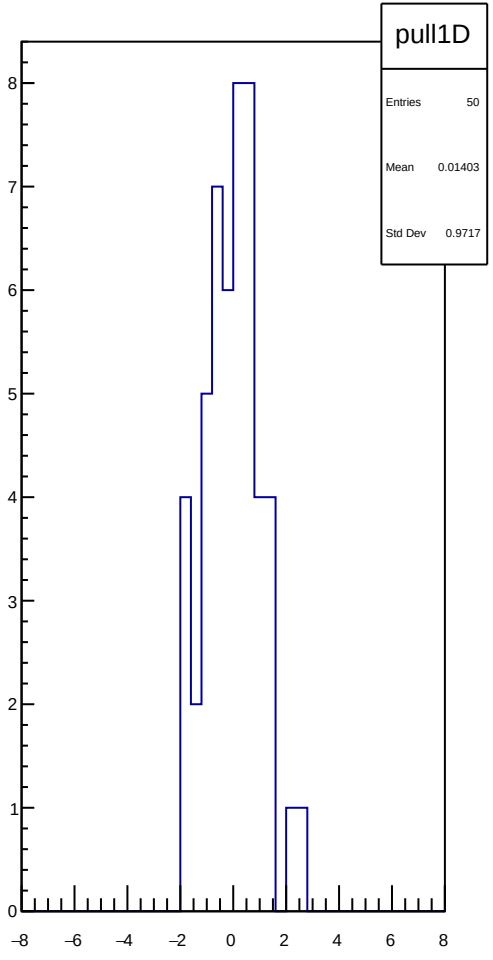

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.52 / 49
p0 101.4 ± 4.662
pull
Entries 50
Mean 171.9
Std Dev 135.1

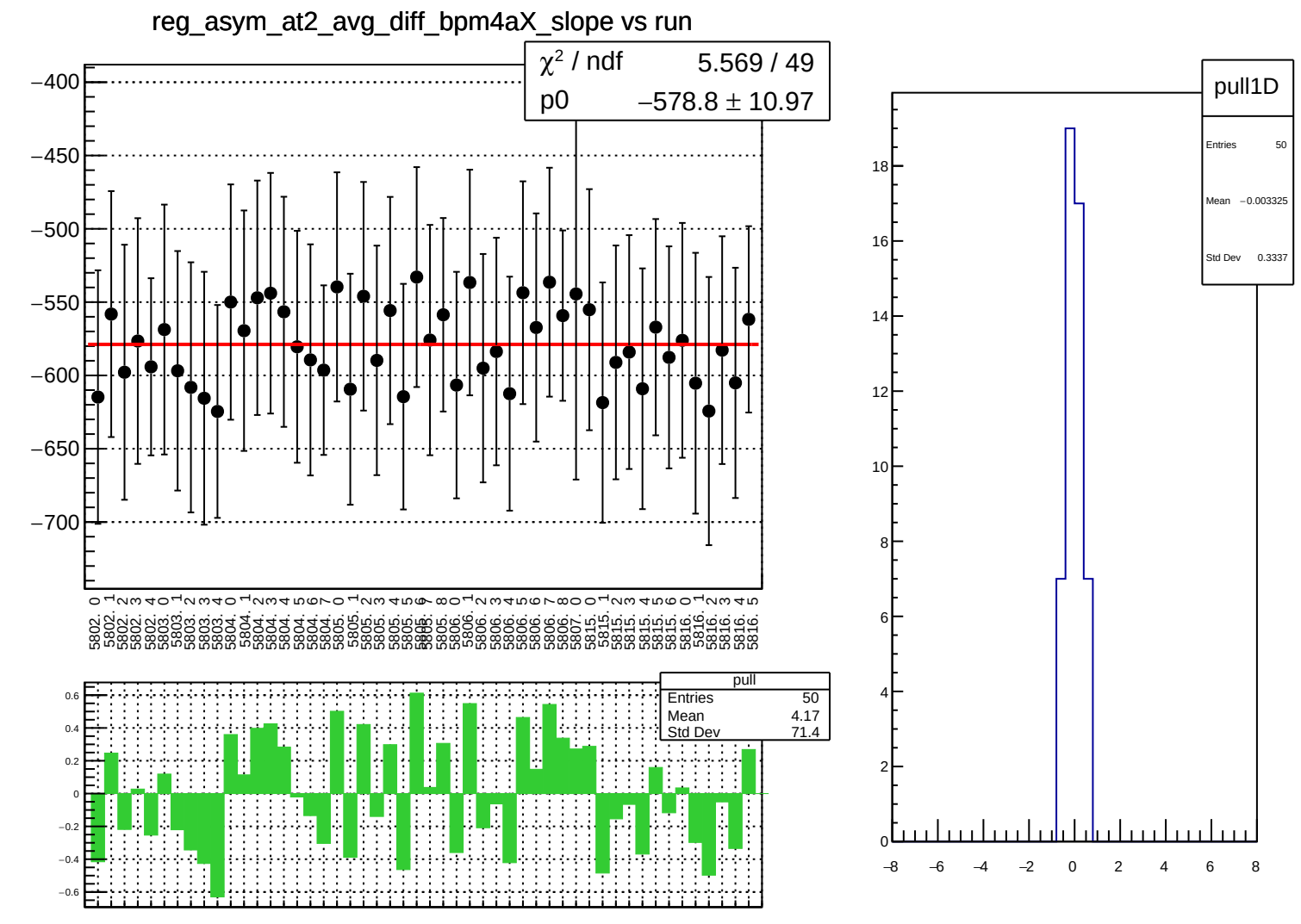

pull1D
Entries 50
Mean 0.0178
Std Dev 0.9111


reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.14 / 49
p0 −26.14 ± 3.578
pull
Entries 50
Mean 0.1947
Std Dev 25.62


pull1D
Entries 50
Mean −0.04332
Std Dev 0.9803


reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 47.22 / 49
p0 −19.92 ± 0.2169
pull
Entries 50
Mean −426.5
Std Dev 454.3


pull1D
Entries 50
Mean 0.01403
Std Dev 0.9717


reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.569 / 49
p0 −578.8 ± 10.97
−400
−450
−500
−550
−600
−650
−700
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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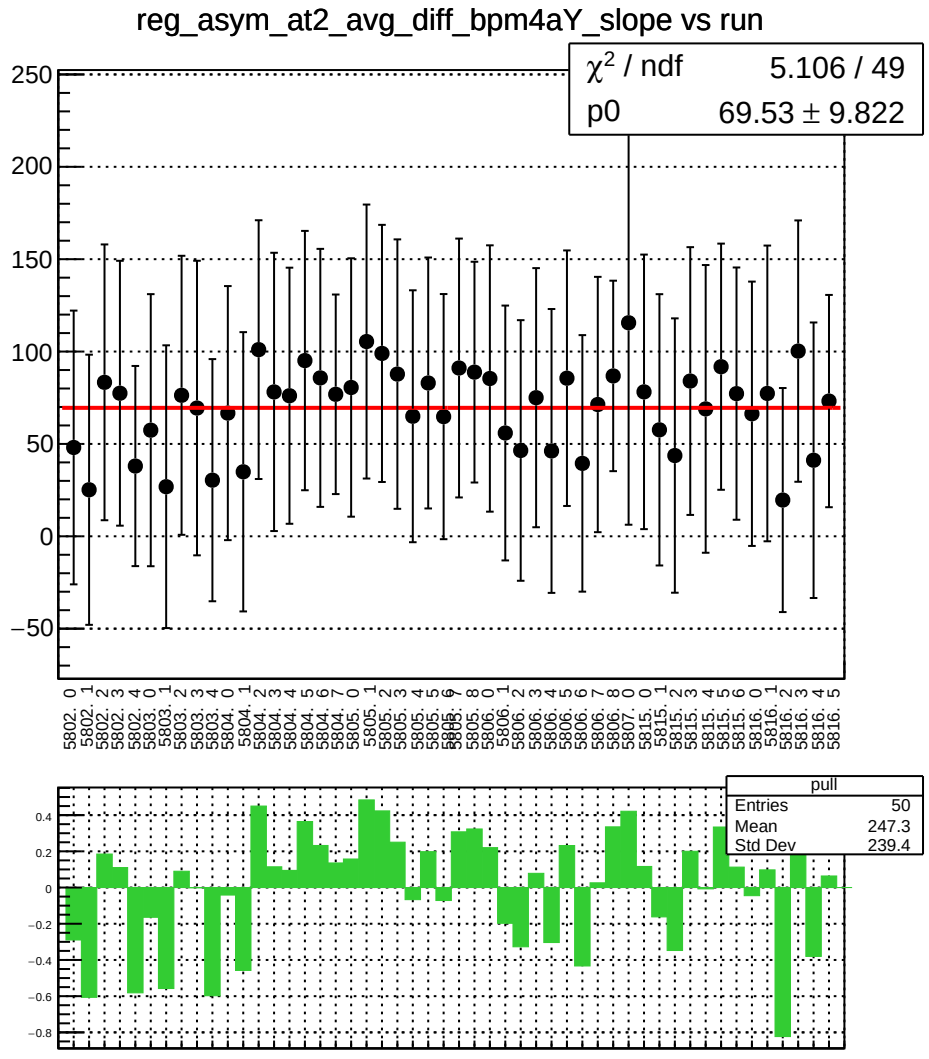
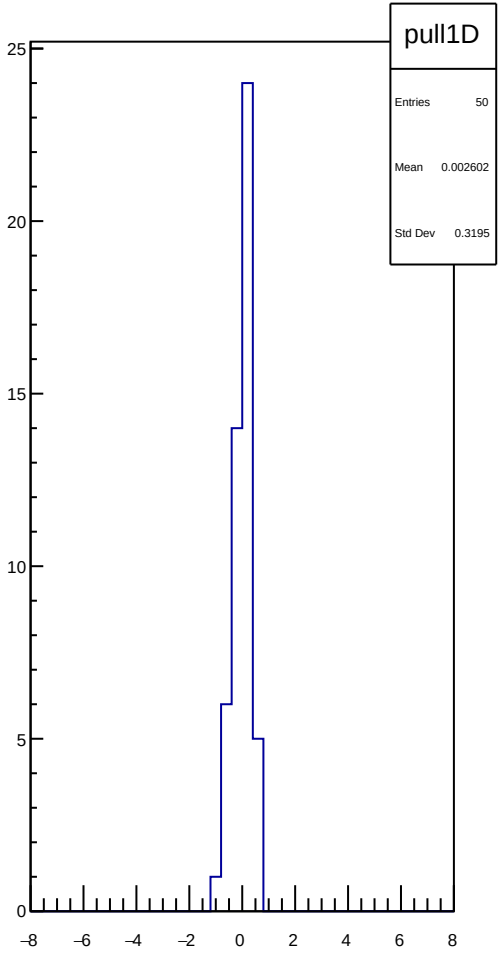
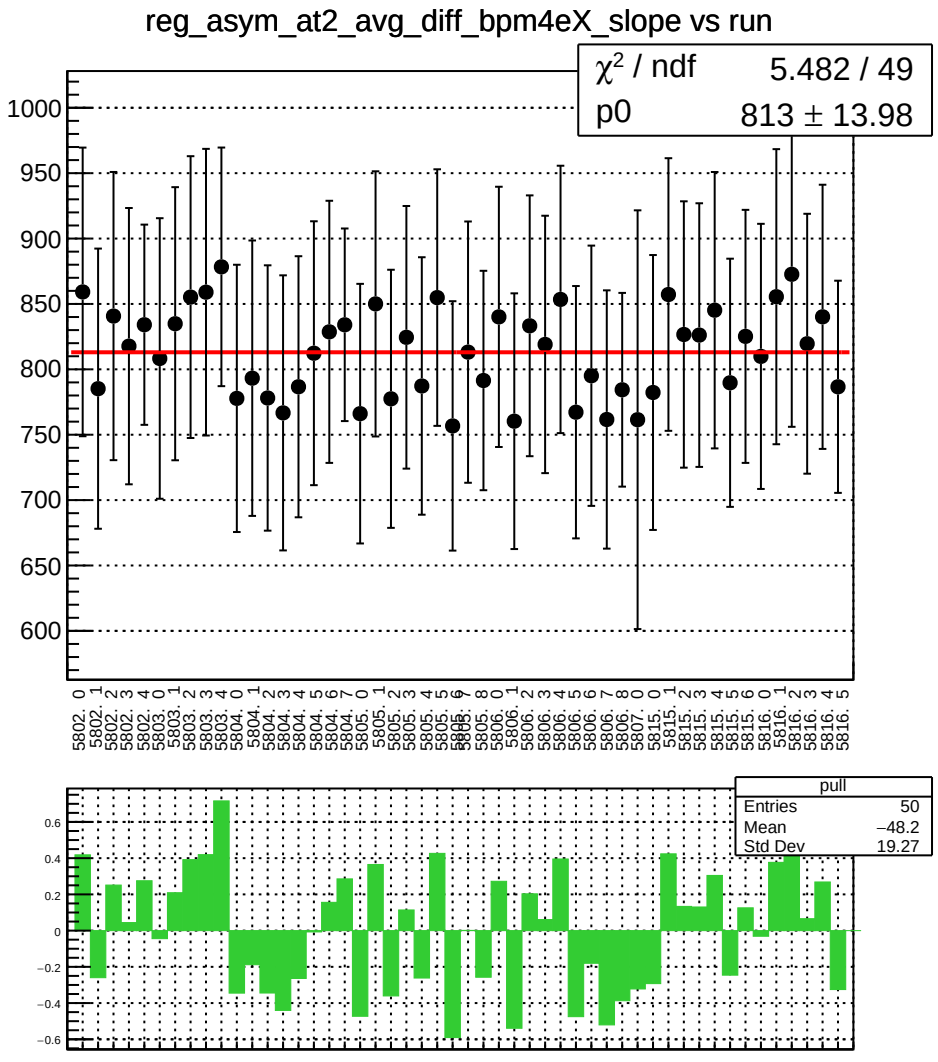
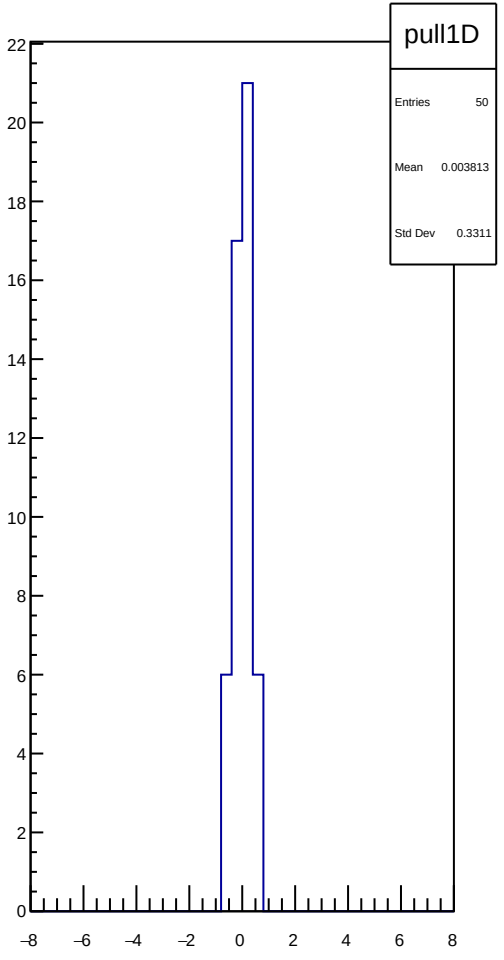
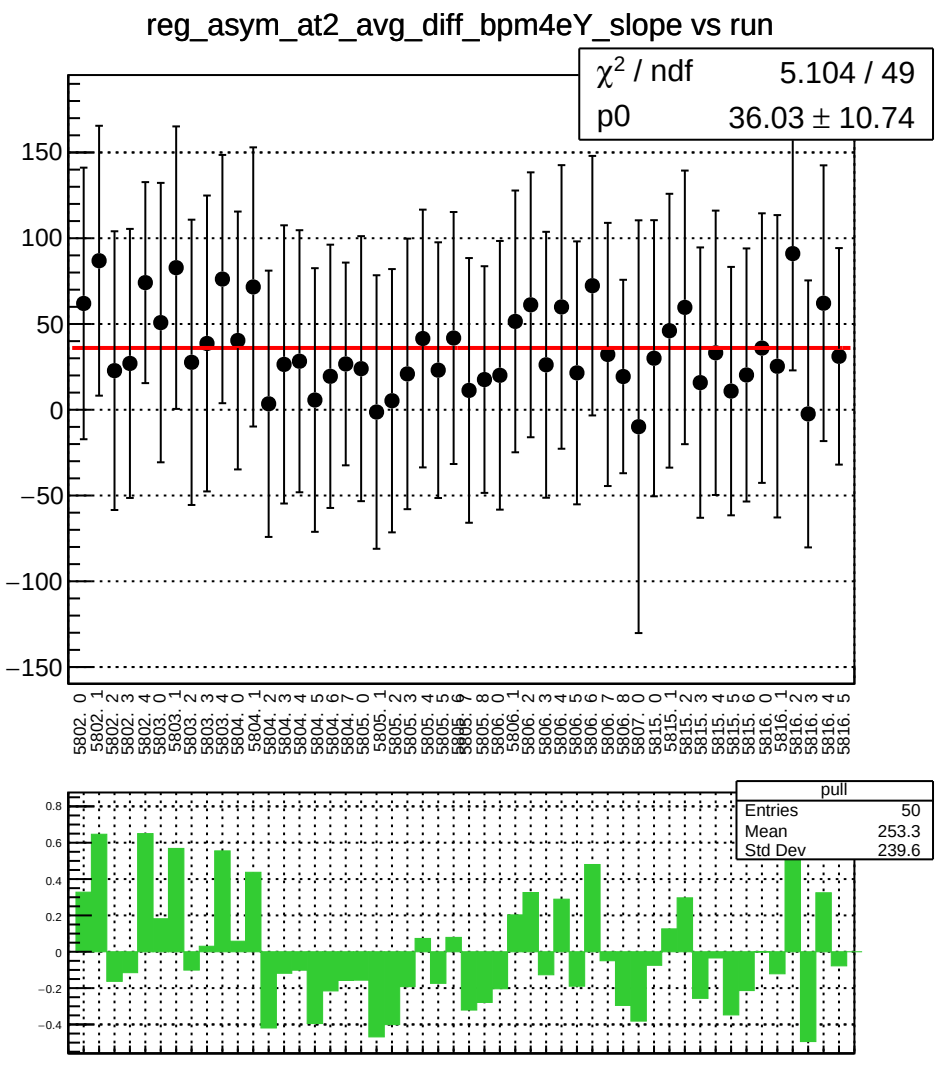
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 4.17
Std Dev 71.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 50
Mean −0.003325
Std Dev 0.3337
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.106 / 49
p0 69.53 ± 9.822
pull
Entries 50
Mean 247.3
Std Dev 239.4


pull1D
Entries 50
Mean 0.002602
Std Dev 0.3195


reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.482 / 49
p0 813 ± 13.98
pull
Entries 50
Mean −48.2
Std Dev 19.27


pull1D
Entries 50
Mean 0.003813
Std Dev 0.3311


reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.104 / 49
p0 36.03 ± 10.74
150
100
50
0
−50
−100
−150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
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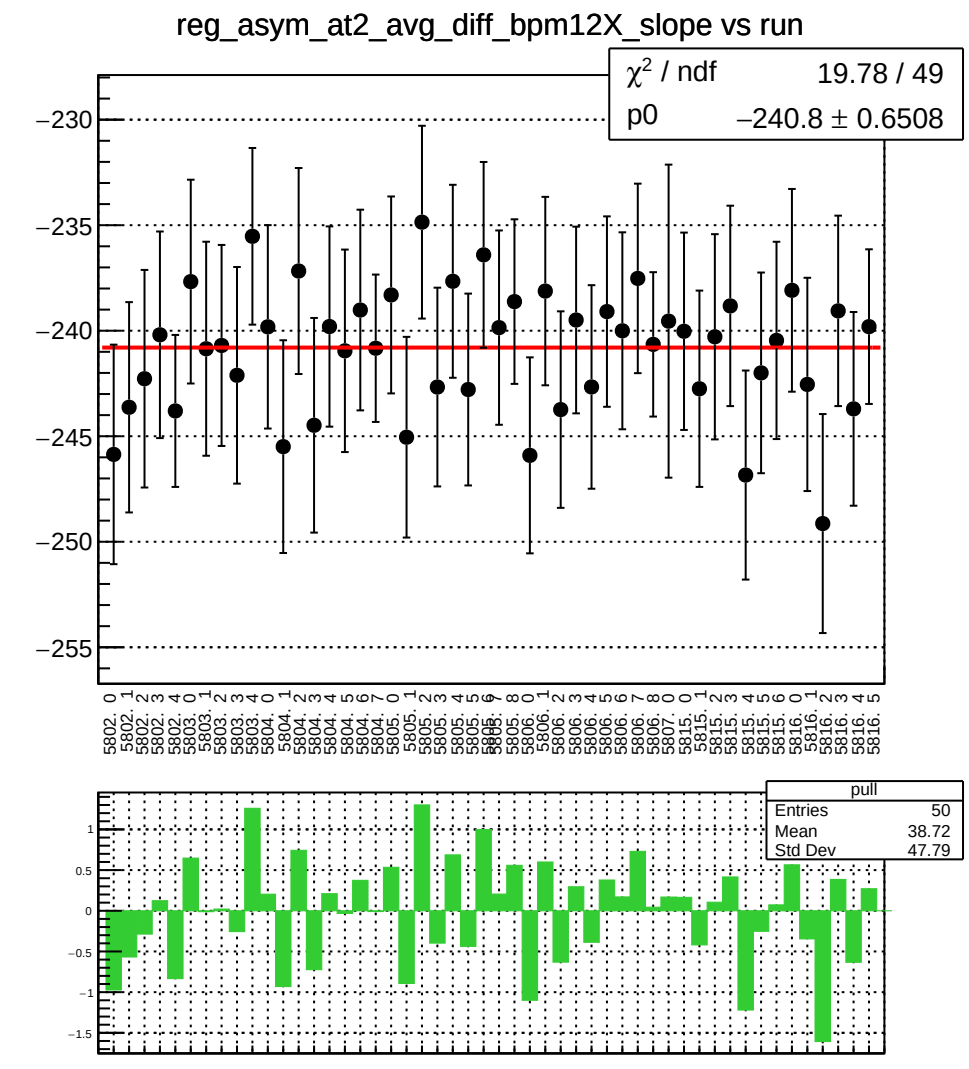
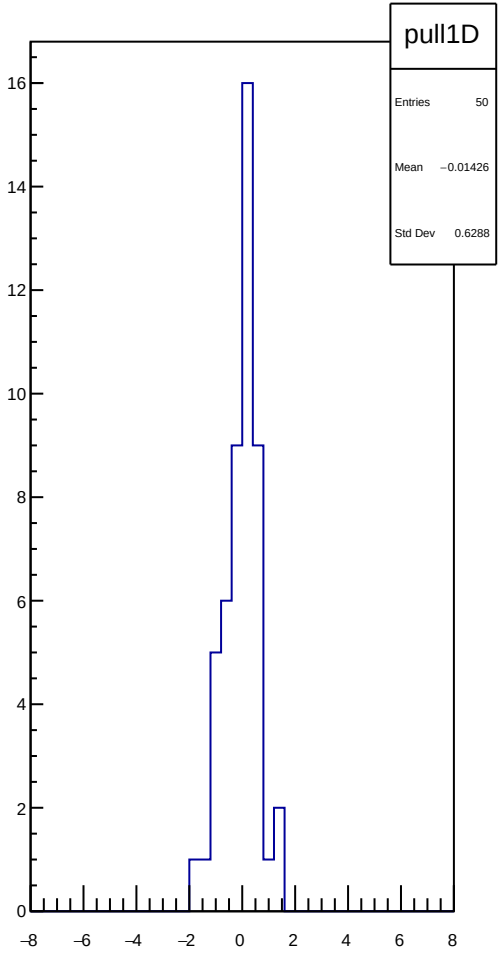
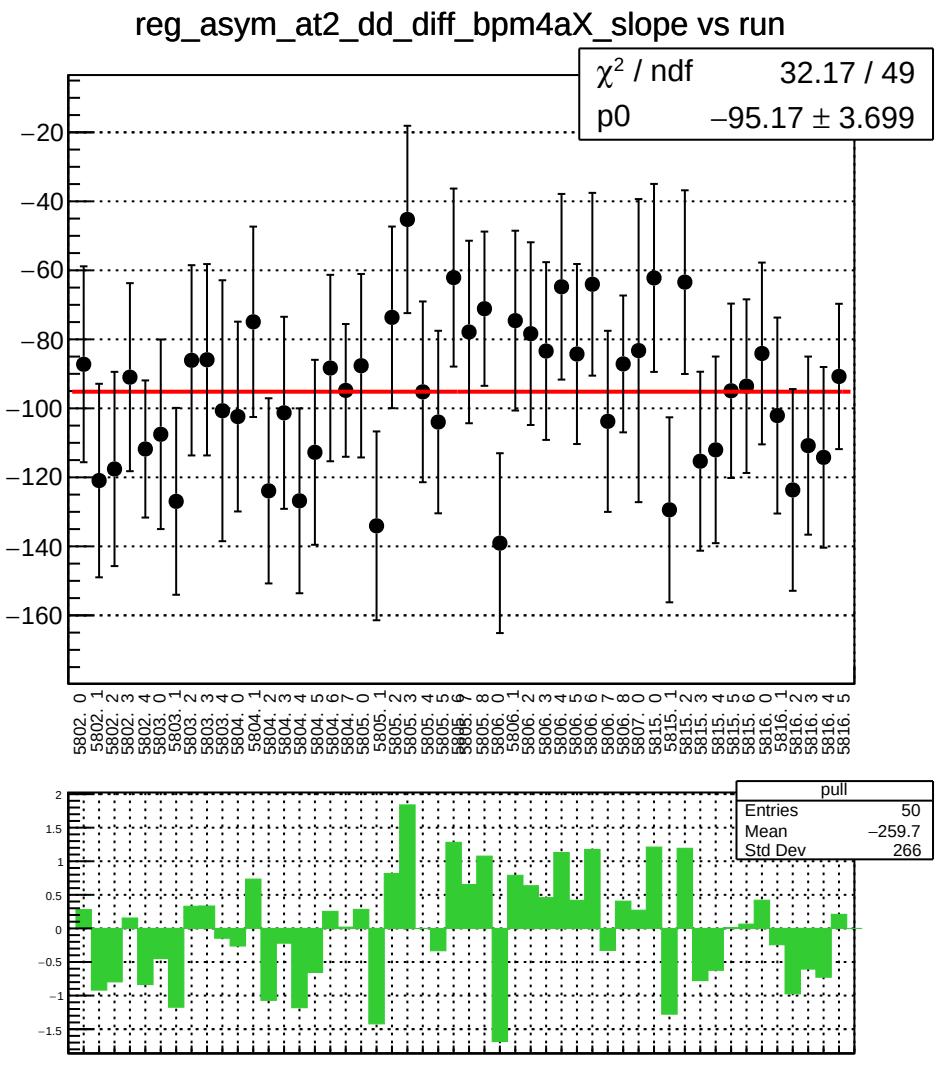
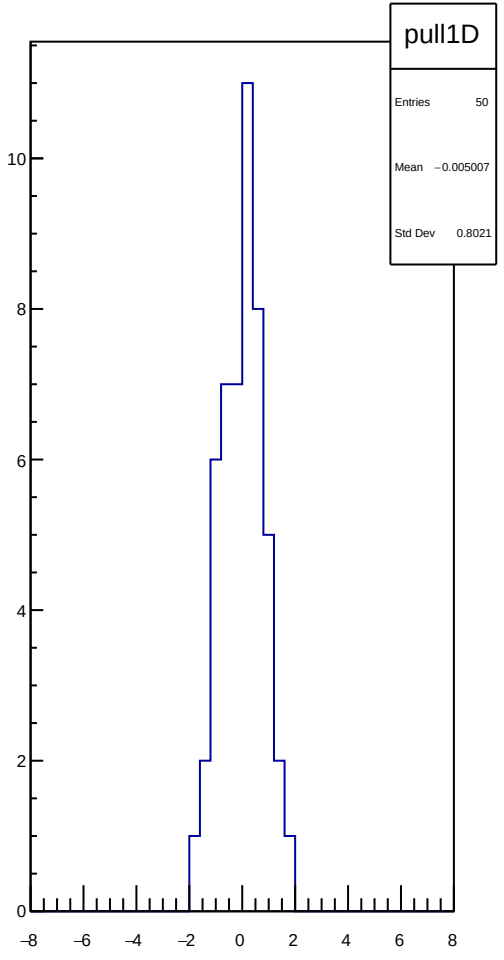
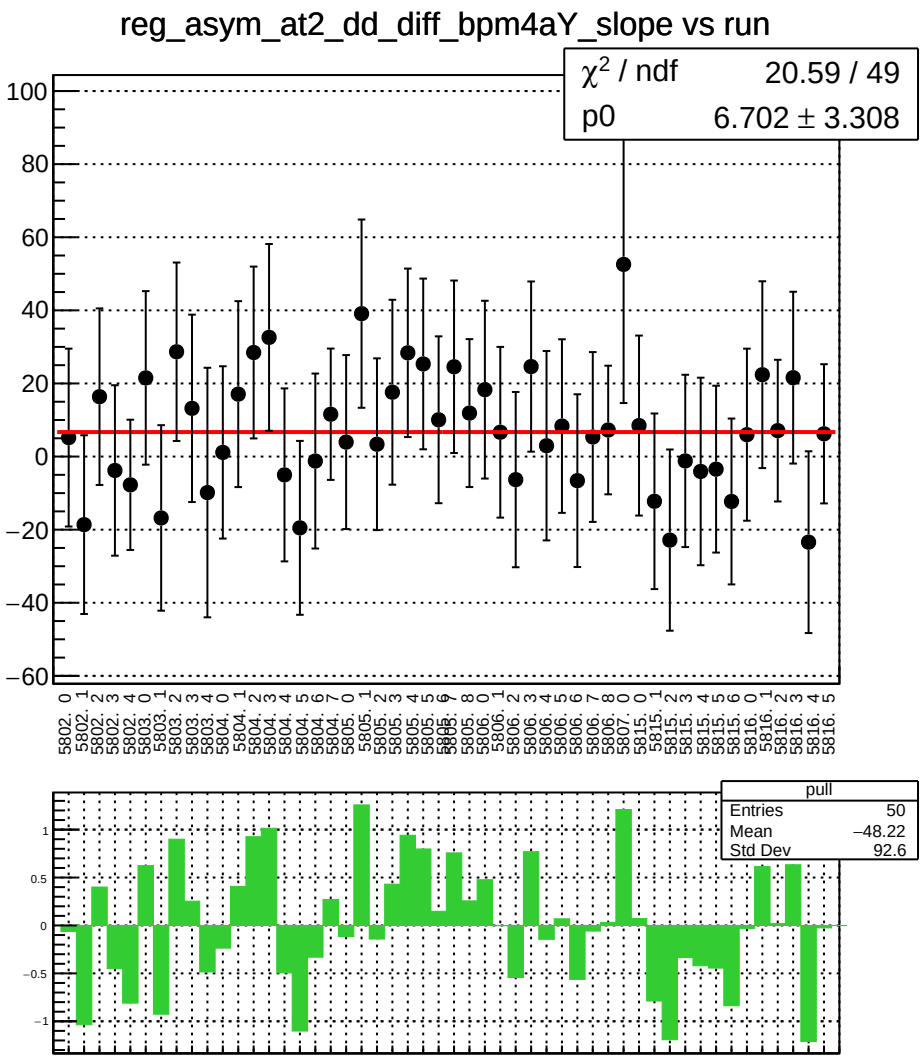
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 253.3
Std Dev 239.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 50
Mean −0.003597
Std Dev 0.3195
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

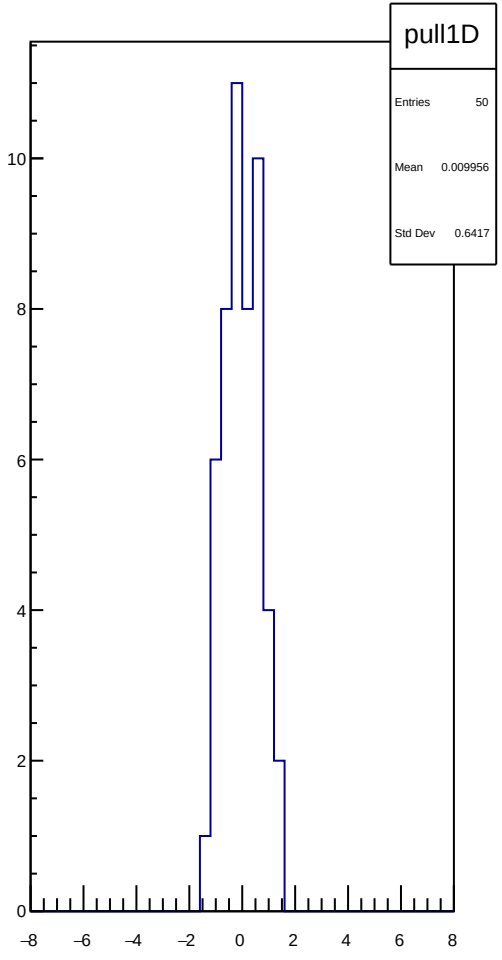

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 19.78 / 49
p0 −240.8 ± 0.6508
pull
Entries 50
Mean 38.72
Std Dev 47.79

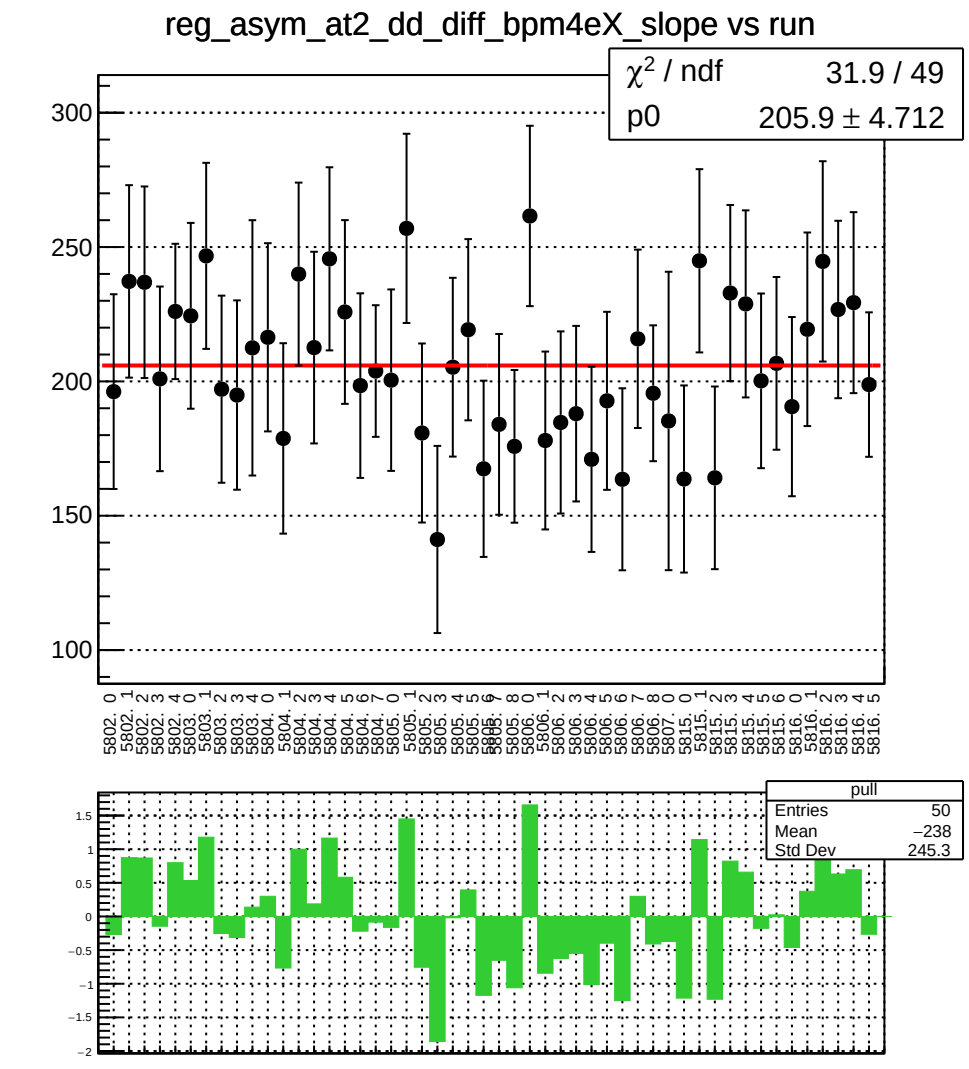

pull1D
Entries 50
Mean −0.01426
Std Dev 0.6288

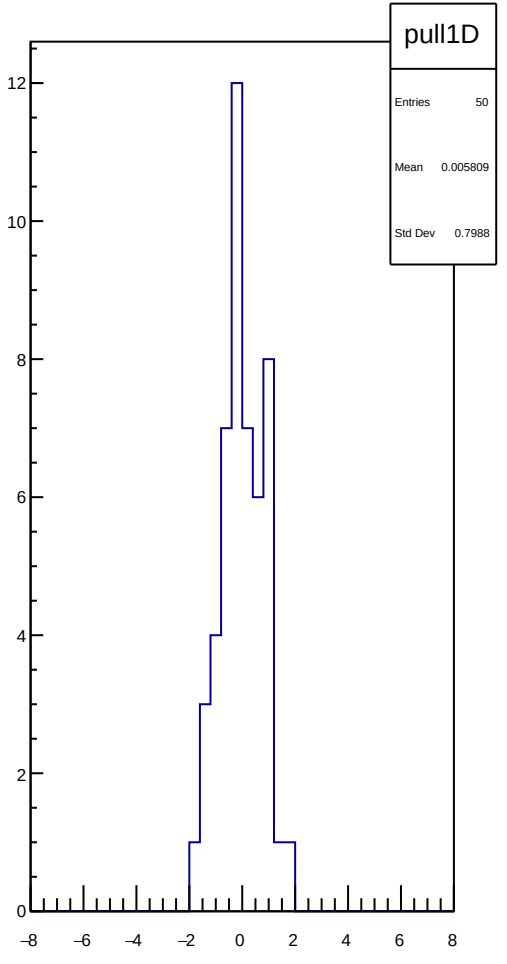

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.17 / 49
p0 −95.17 ± 3.699
pull
Entries 50
Mean −259.7
Std Dev 266

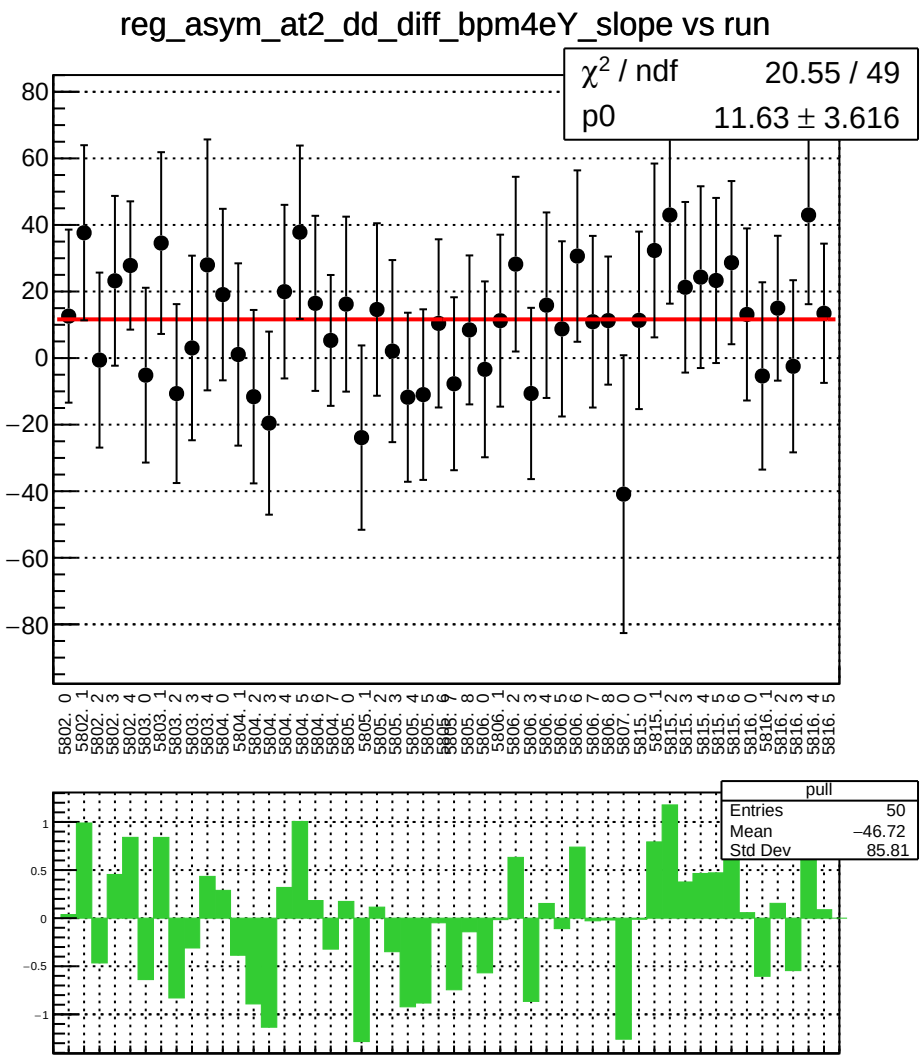

pull1D
Entries 50
Mean −0.005007
Std Dev 0.8021

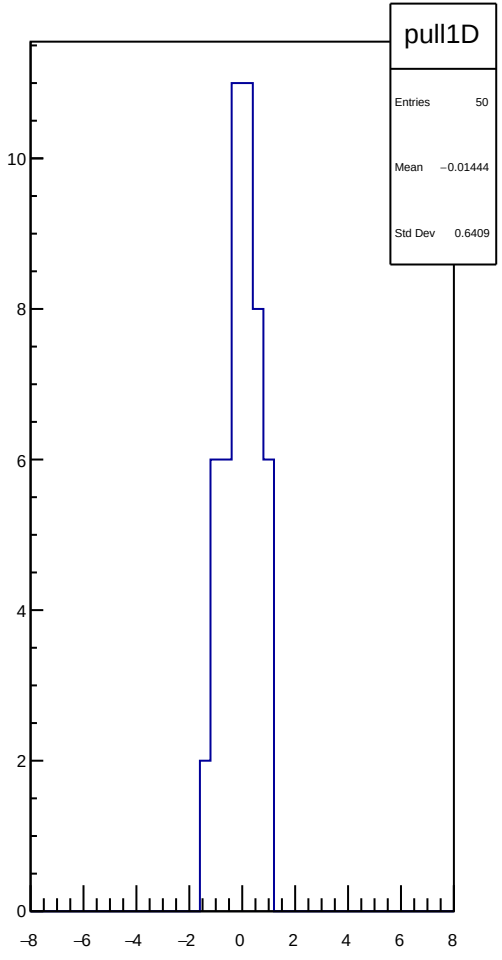

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.59 / 49
p0 6.702 ± 3.308
pull
Entries 50
Mean −48.22
Std Dev 92.6

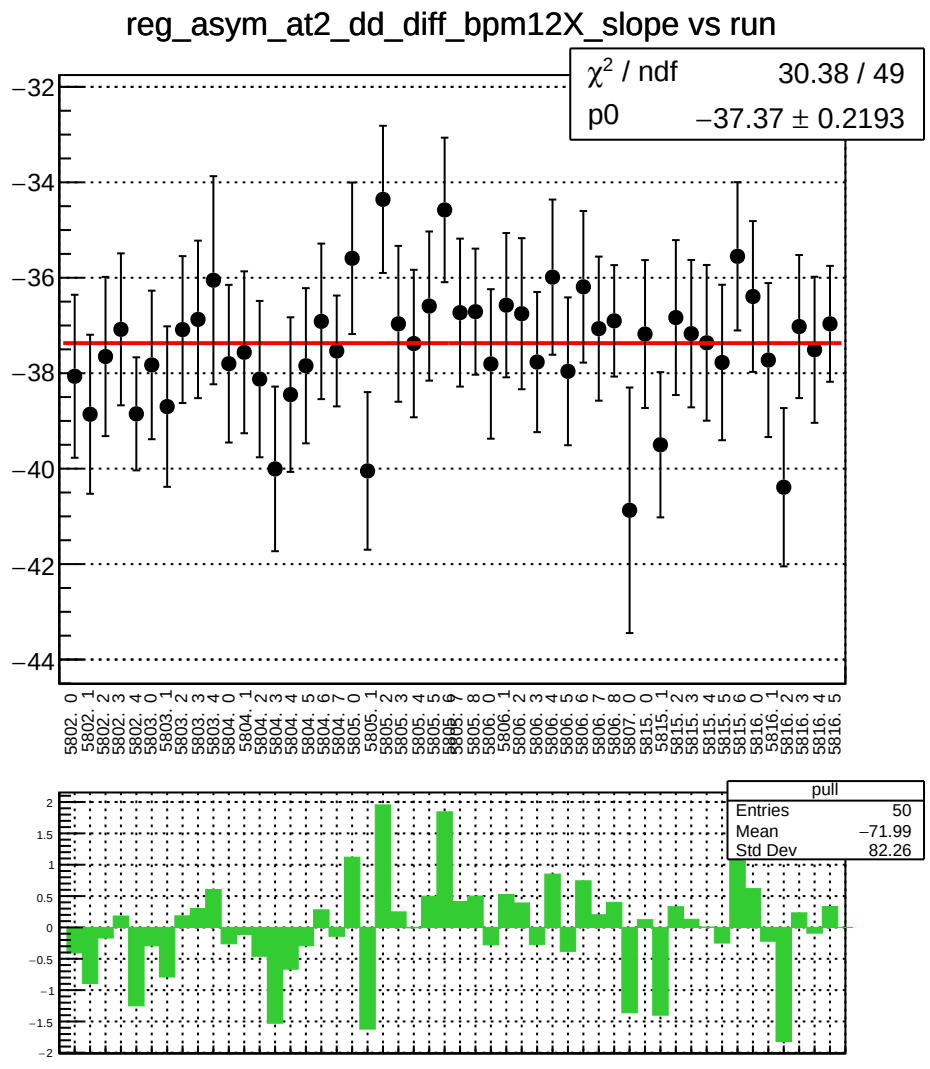

pull1D
Entries 50
Mean 0.009956
Std Dev 0.6417

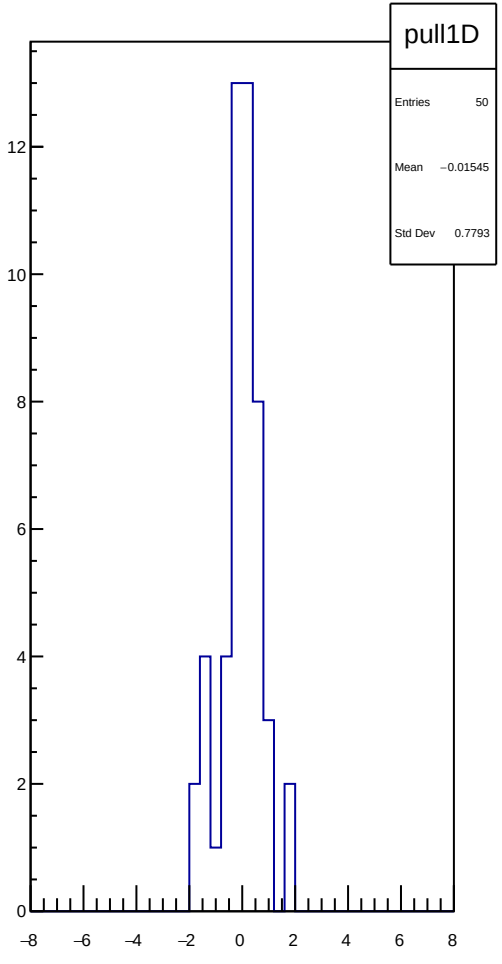

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.9 / 49
p0 205.9 ± 4.712
300
250
200
150
100
pull
Entries 50
Mean −238
Std Dev 245.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

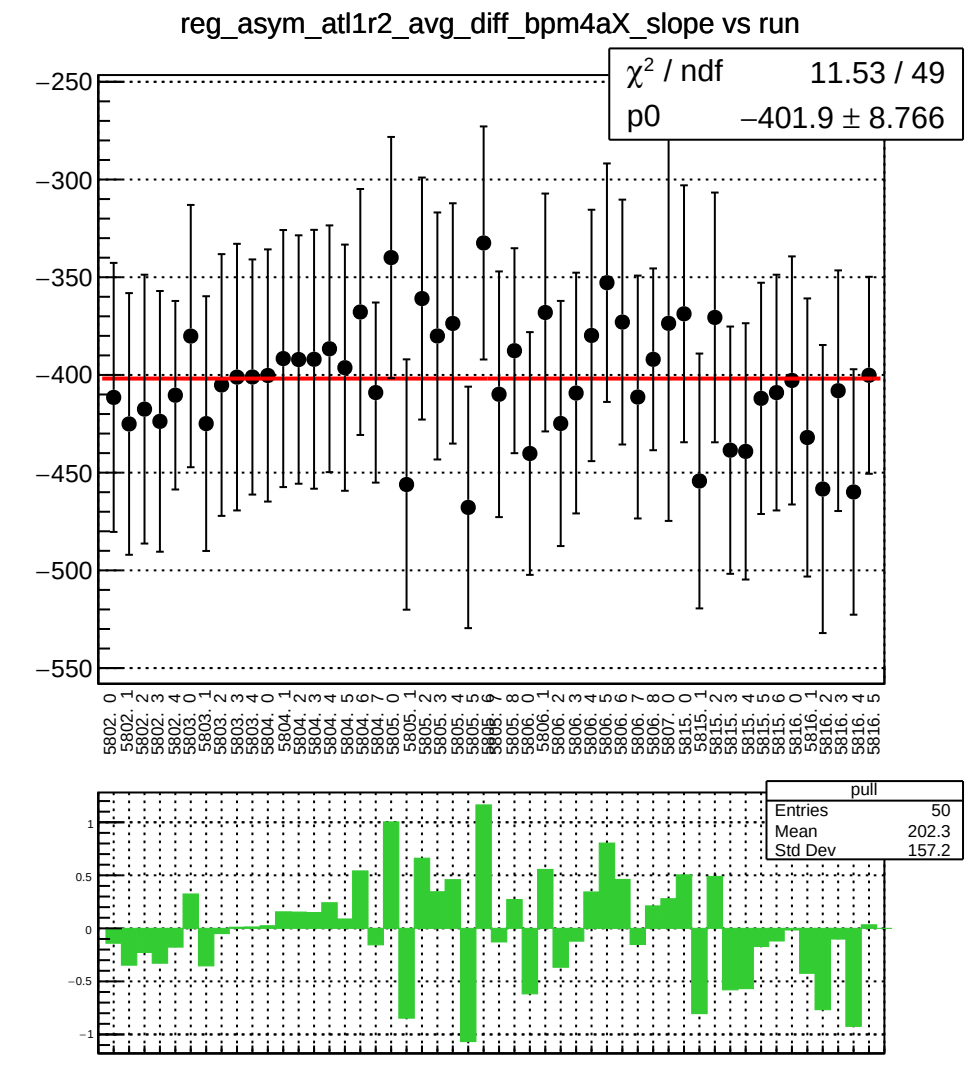

pull1D
Entries 50
Mean 0.005809
Std Dev 0.7988
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

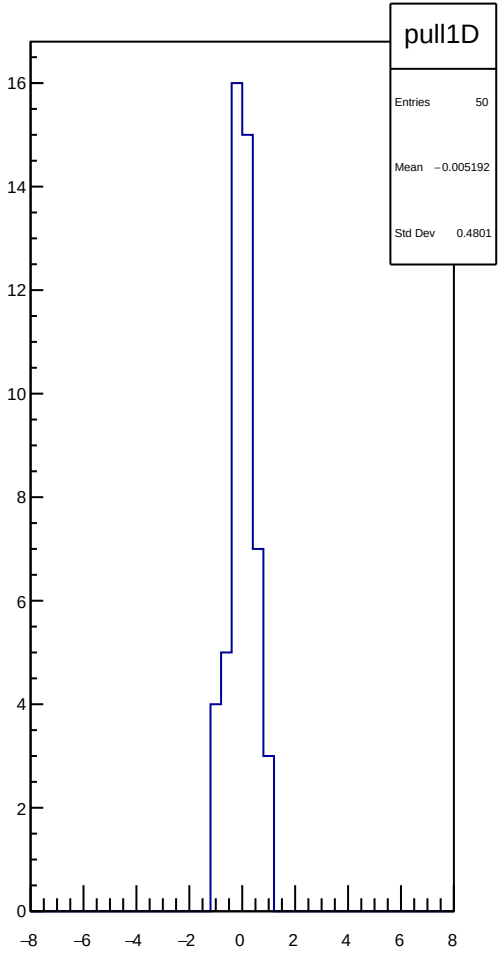

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.55 / 49
p0 11.63 ± 3.616
pull
Entries 50
Mean −46.72
Std Dev 85.81

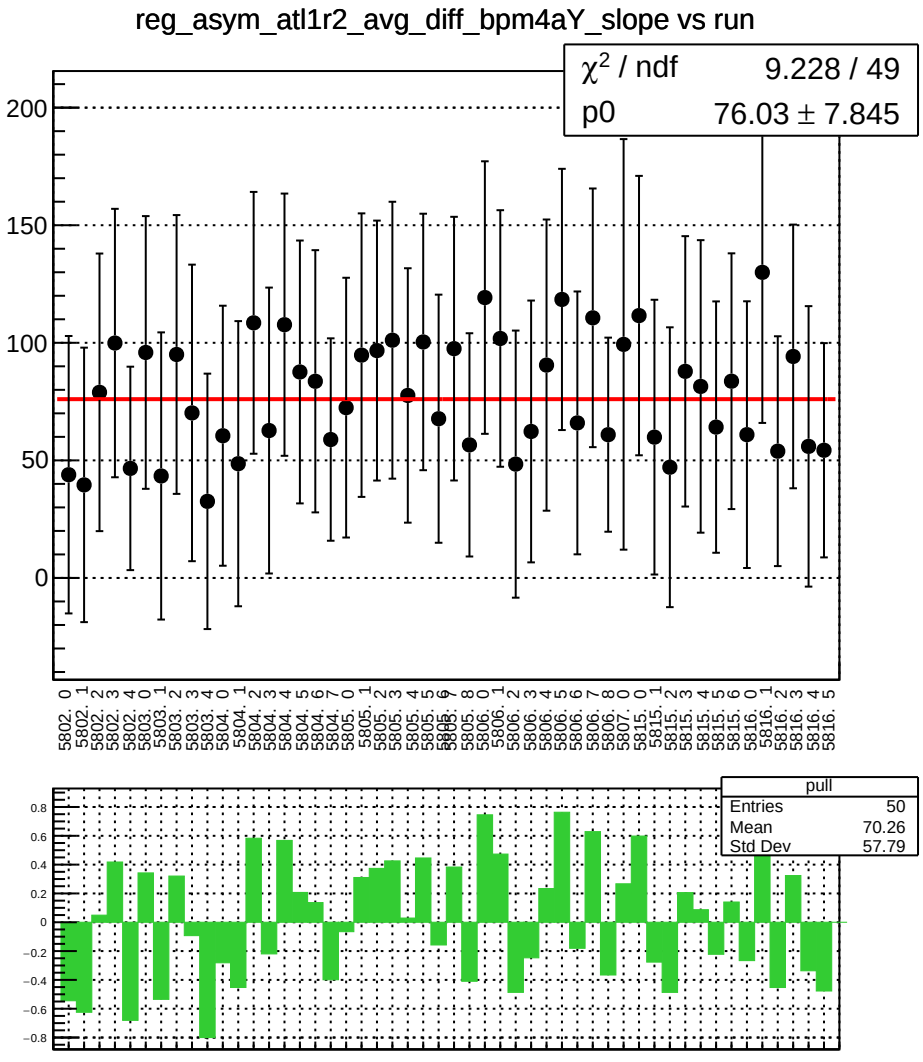

pull1D
Entries 50
Mean −0.01444
Std Dev 0.6409

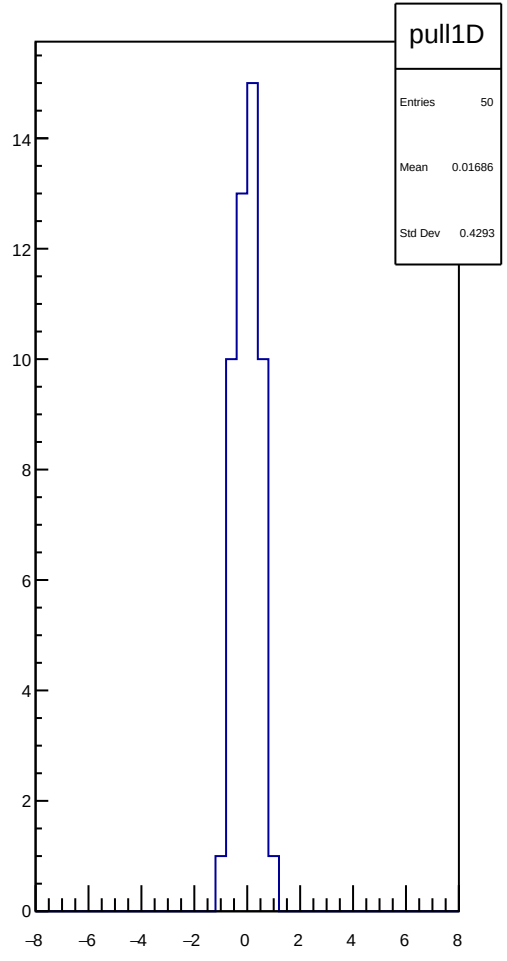

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 30.38 / 49
p0 −37.37 ± 0.2193
pull
Entries 50
Mean −71.99
Std Dev 82.26

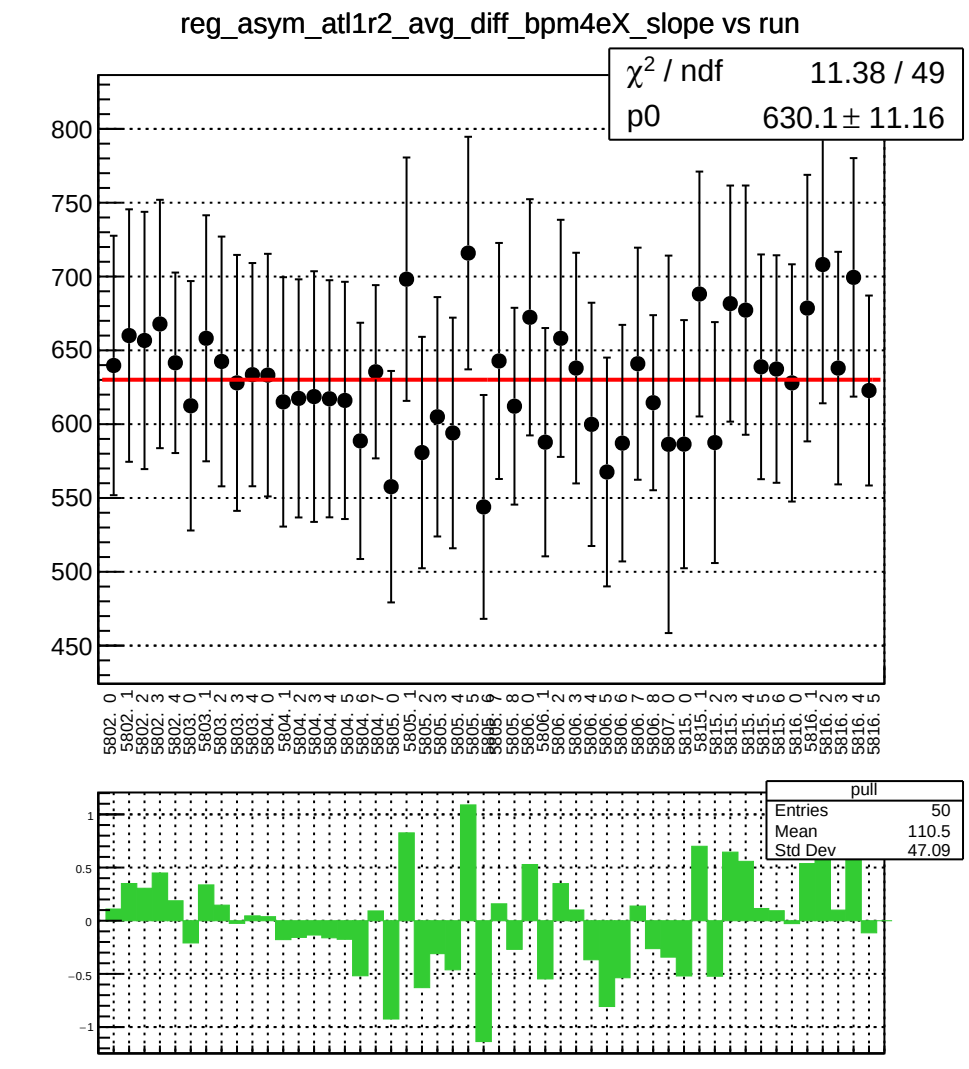

pull1D
Entries 50
Mean −0.01545
Std Dev 0.7793

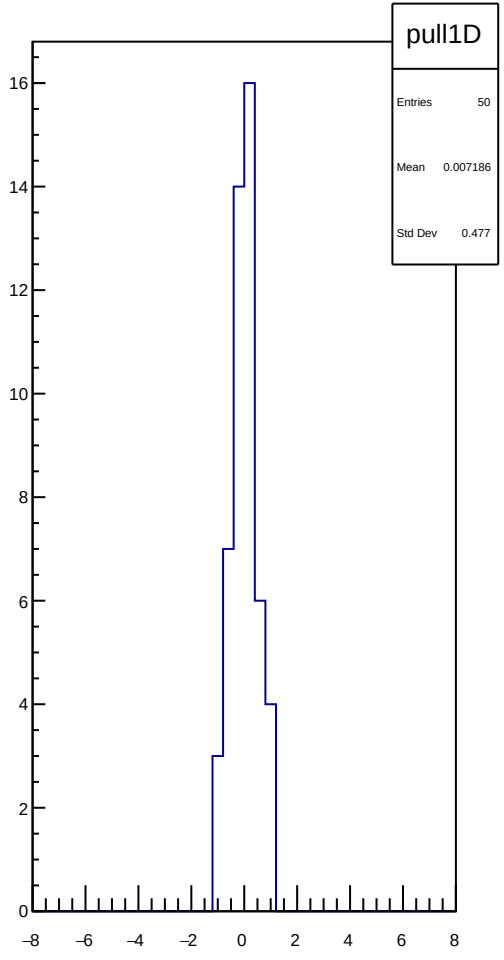

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 11.53 / 49
p0 −401.9 ± 8.766
pull
Entries 50
Mean 202.3
Std Dev 157.2

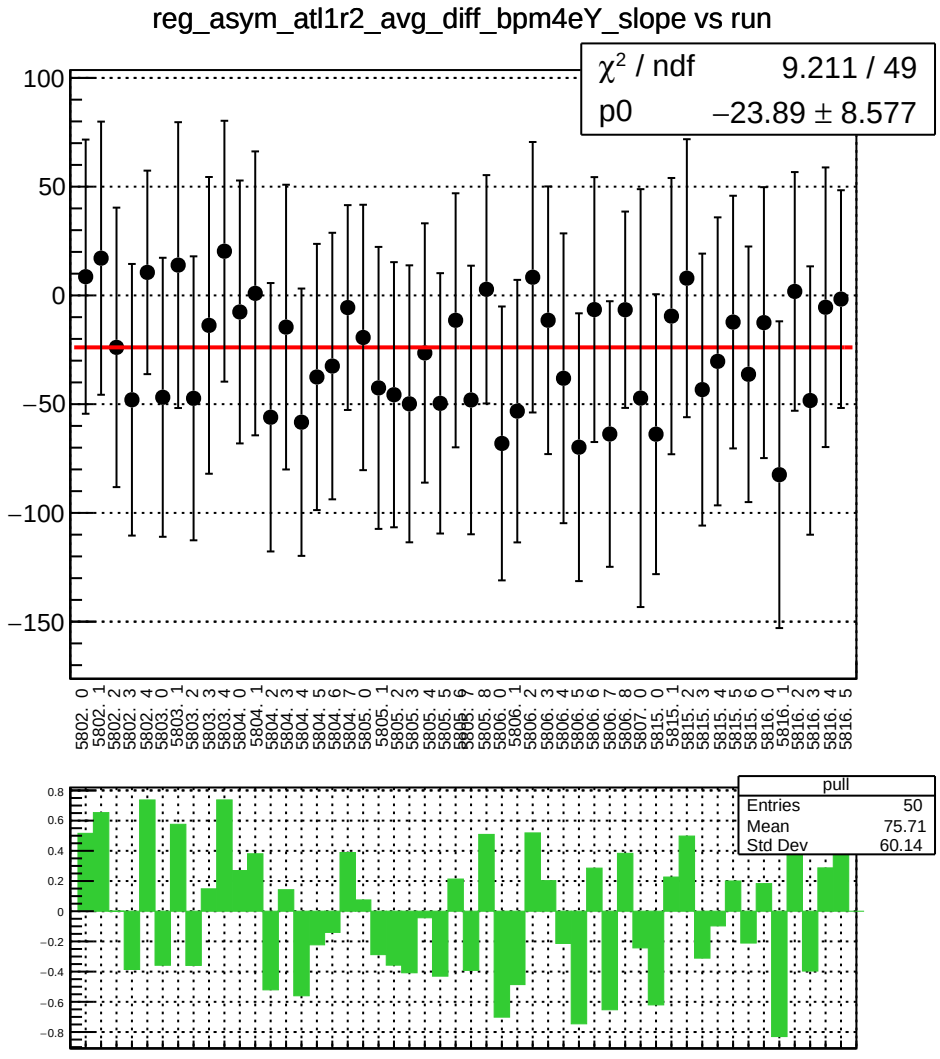

pull1D
Entries 50
Mean −0.005192
Std Dev 0.4801

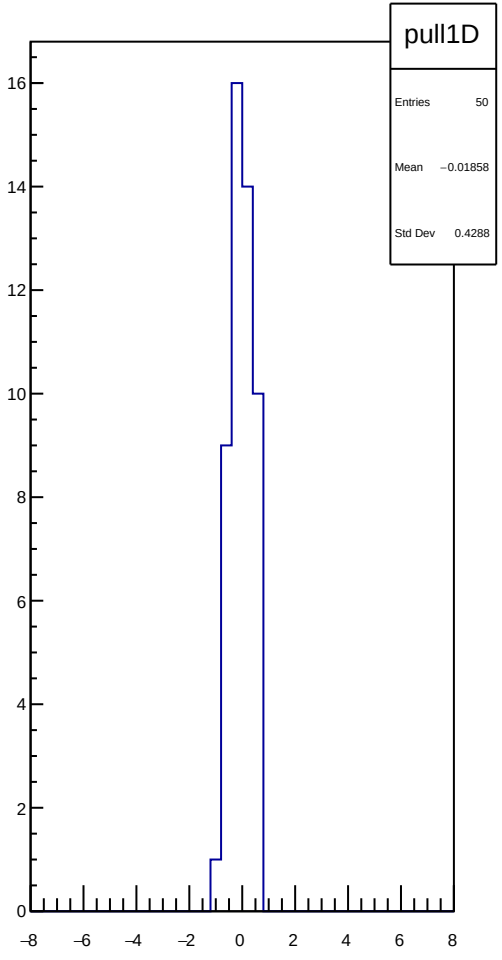

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.228 / 49
p0 76.03 ± 7.845
200
150
100
50
0
pull
Entries 50
Mean 70.26
Std Dev 57.79
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

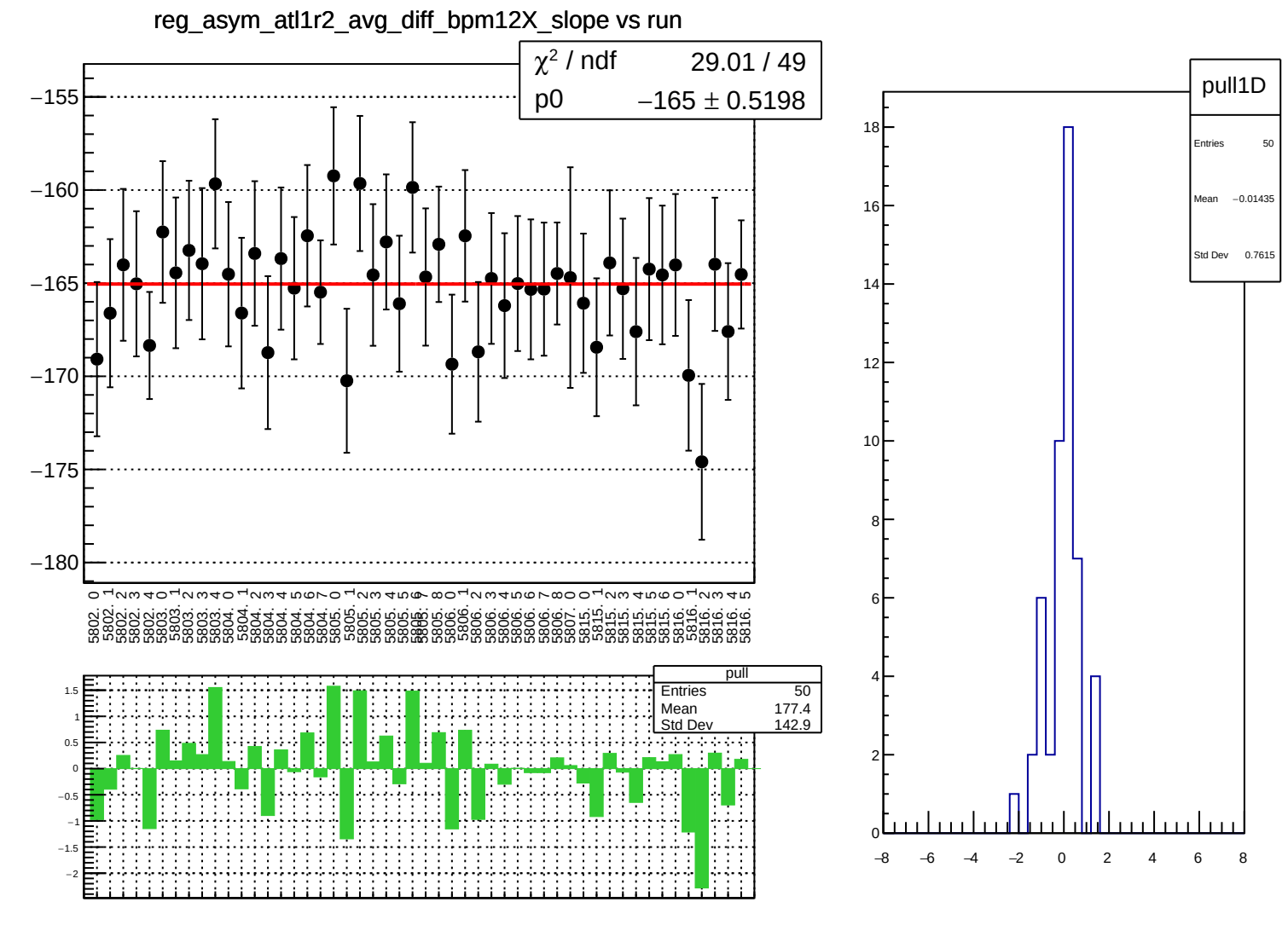

pull1D
Entries 50
Mean 0.01686
Std Dev 0.4293
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

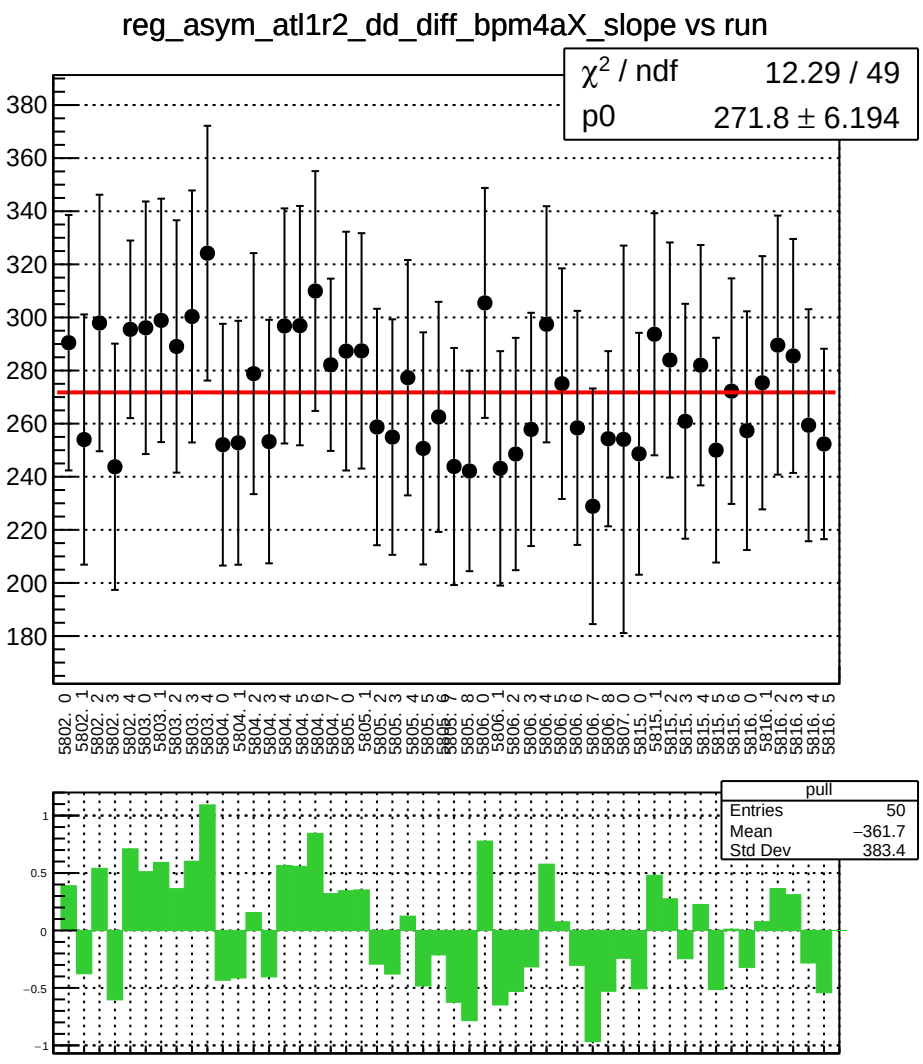

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.38 / 49
p0 630.1 ± 11.16
800
750
700
650
600
550
500
450
pull
Entries 50
Mean 110.5
Std Dev 47.09
1
0.5
0
−0.5
−1

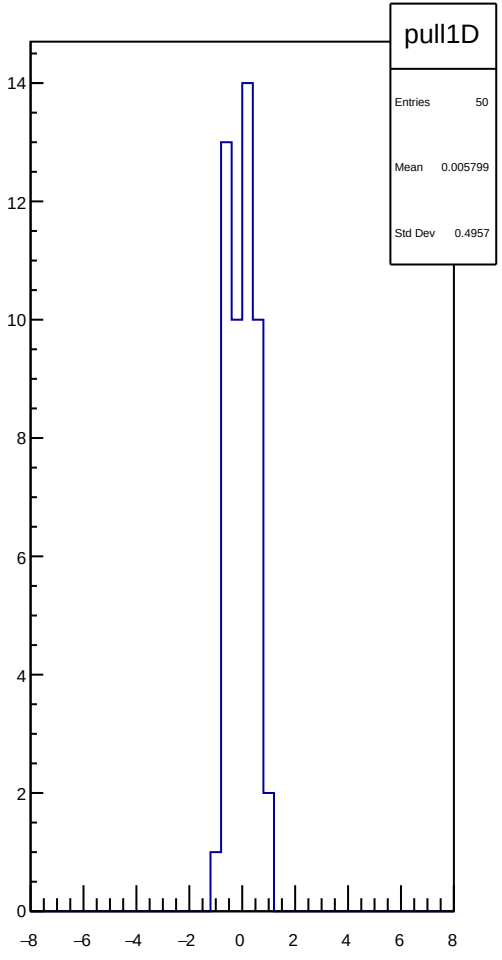

pull1D
Entries 50
Mean 0.007186
Std Dev 0.477
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

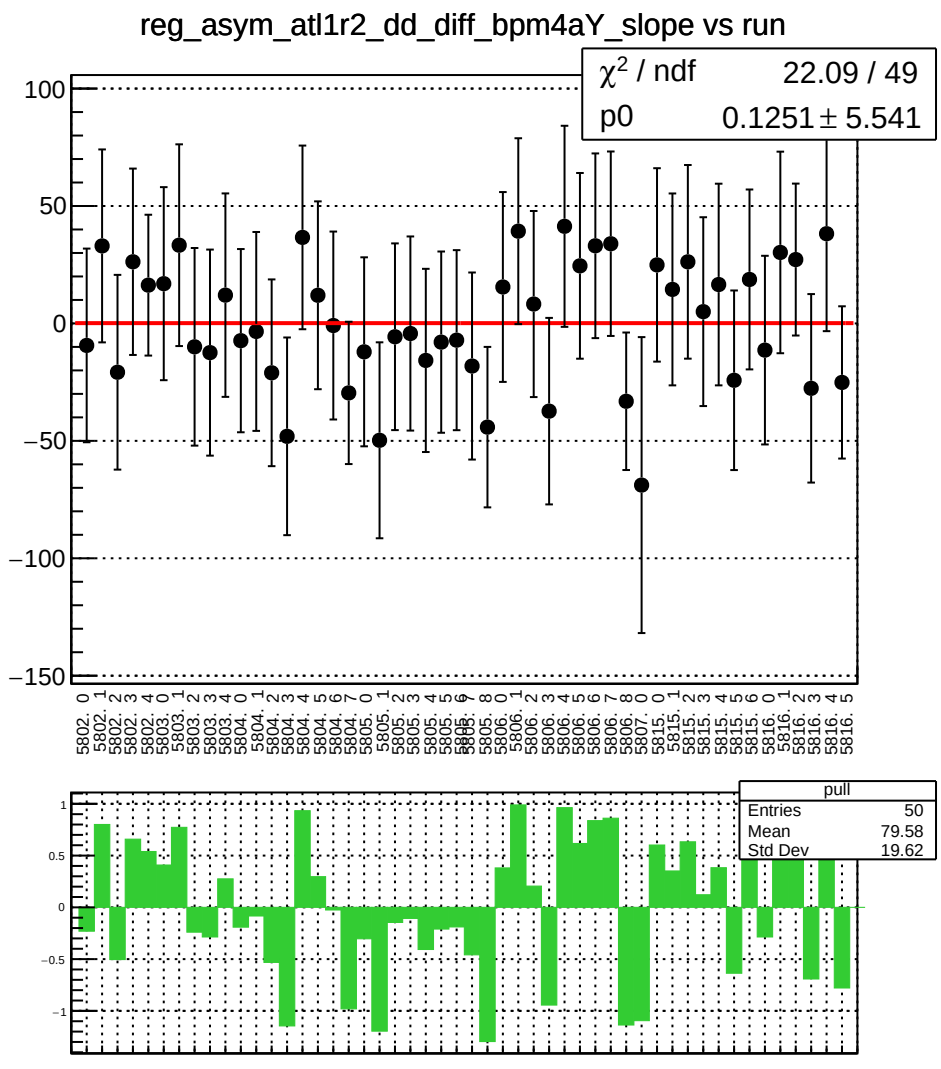

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.211 / 49
p0 −23.89 ± 8.577
pull
Entries 50
Mean 75.71
Std Dev 60.14

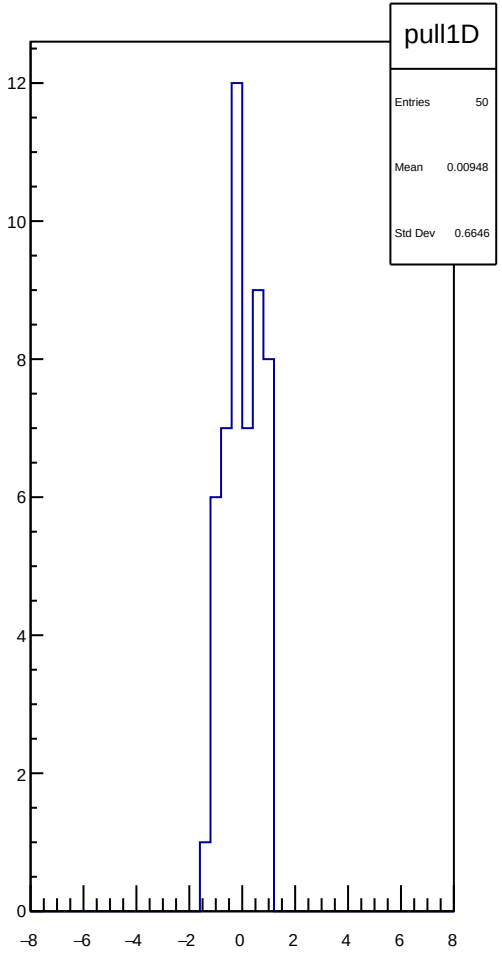

pull1D
Entries 50
Mean −0.01858
Std Dev 0.4288

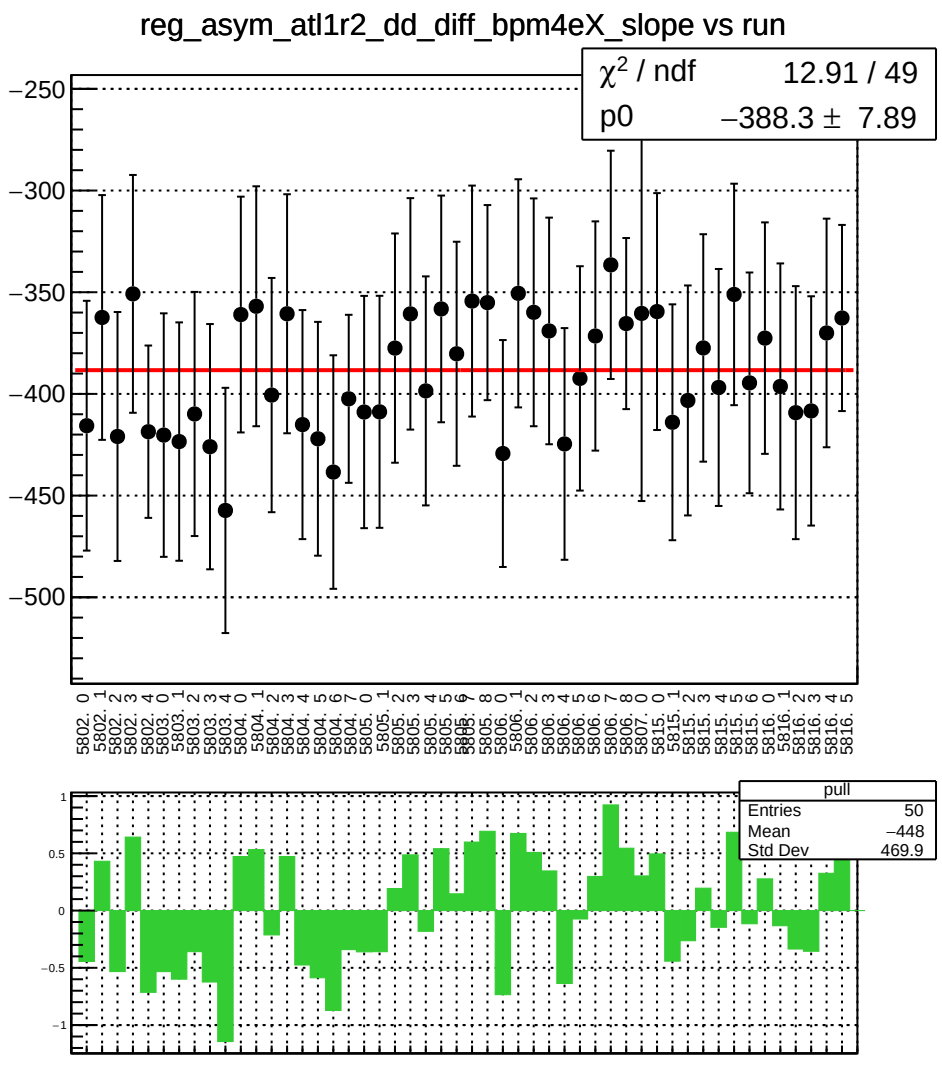

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 29.01 / 49
p0 −165 ± 0.5198
−155
−160
−165
−170
−175
−180
pull
Entries 50
Mean 177.4
Std Dev 142.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01435
Std Dev 0.7615
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

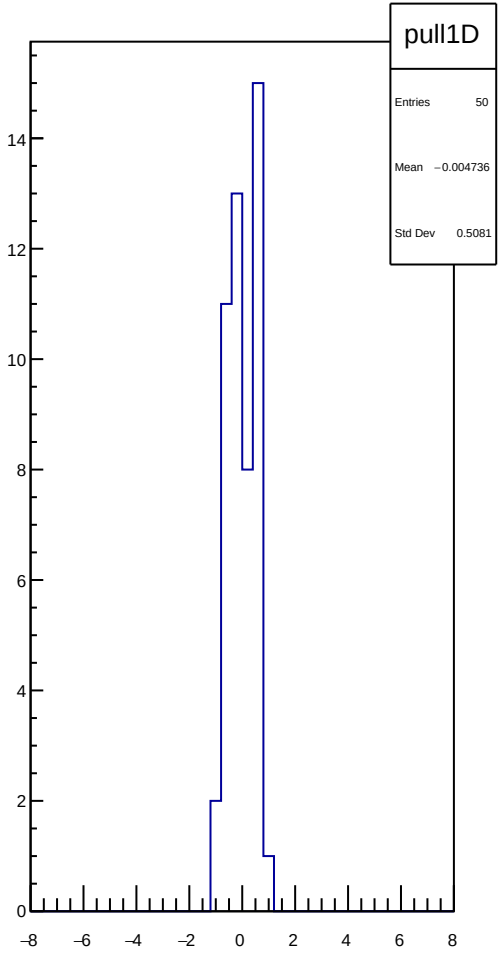

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.29 / 49
p0 271.8 ± 6.194
pull
Entries 50
Mean −361.7
Std Dev 383.4

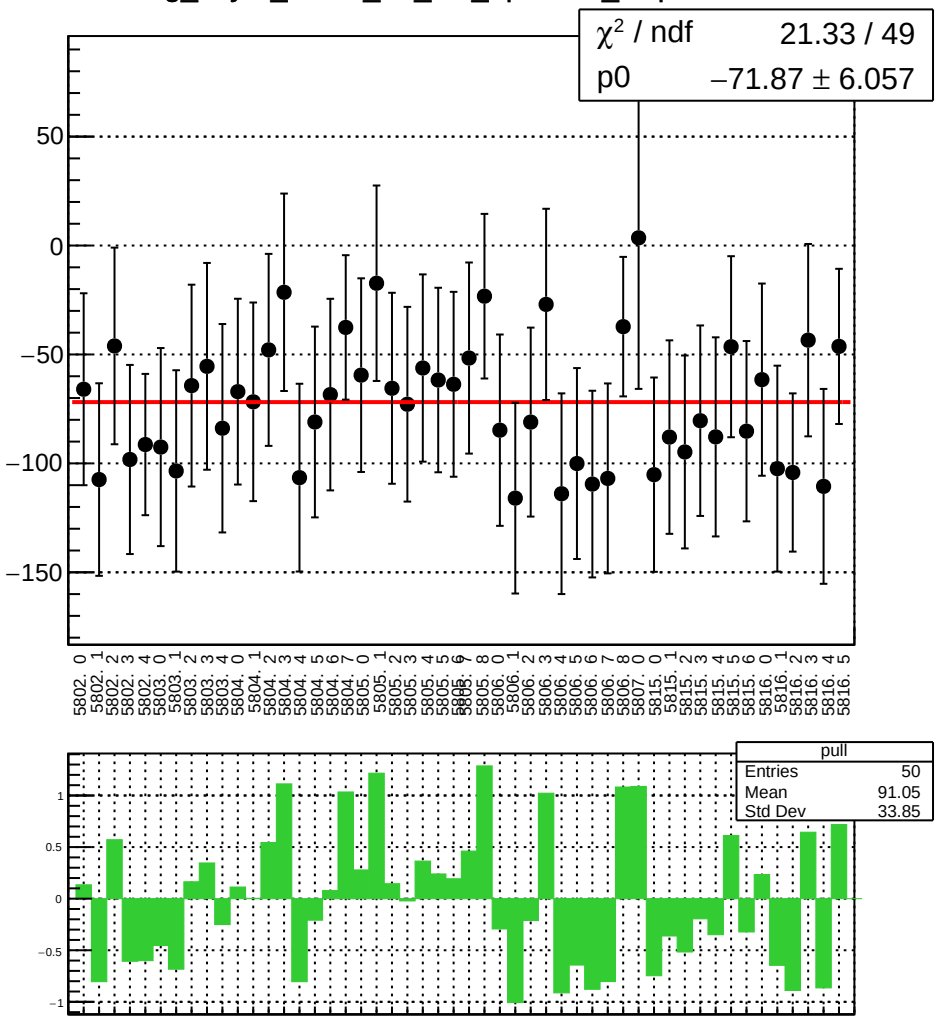

pull1D
Entries 50
Mean 0.005799
Std Dev 0.4957

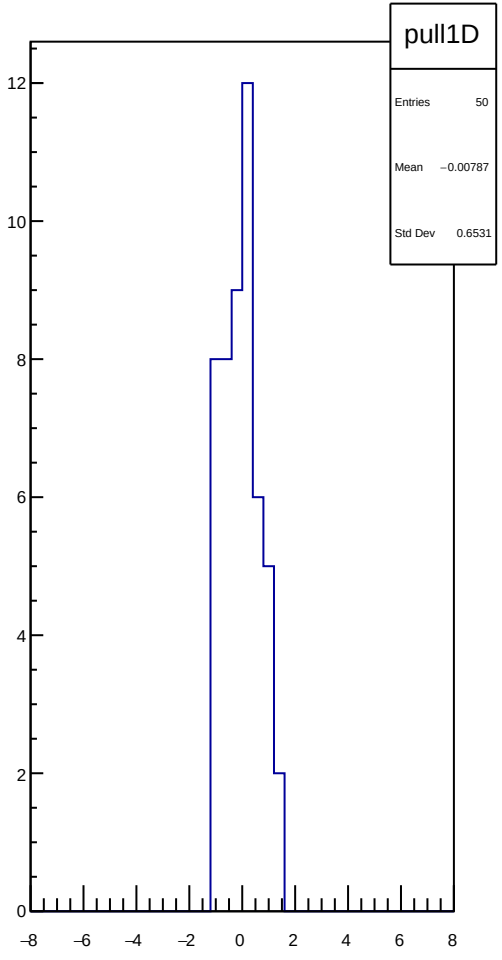

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.09 / 49
p0 0.1251 ± 5.541
pull
Entries 50
Mean 79.58
Std Dev 19.62

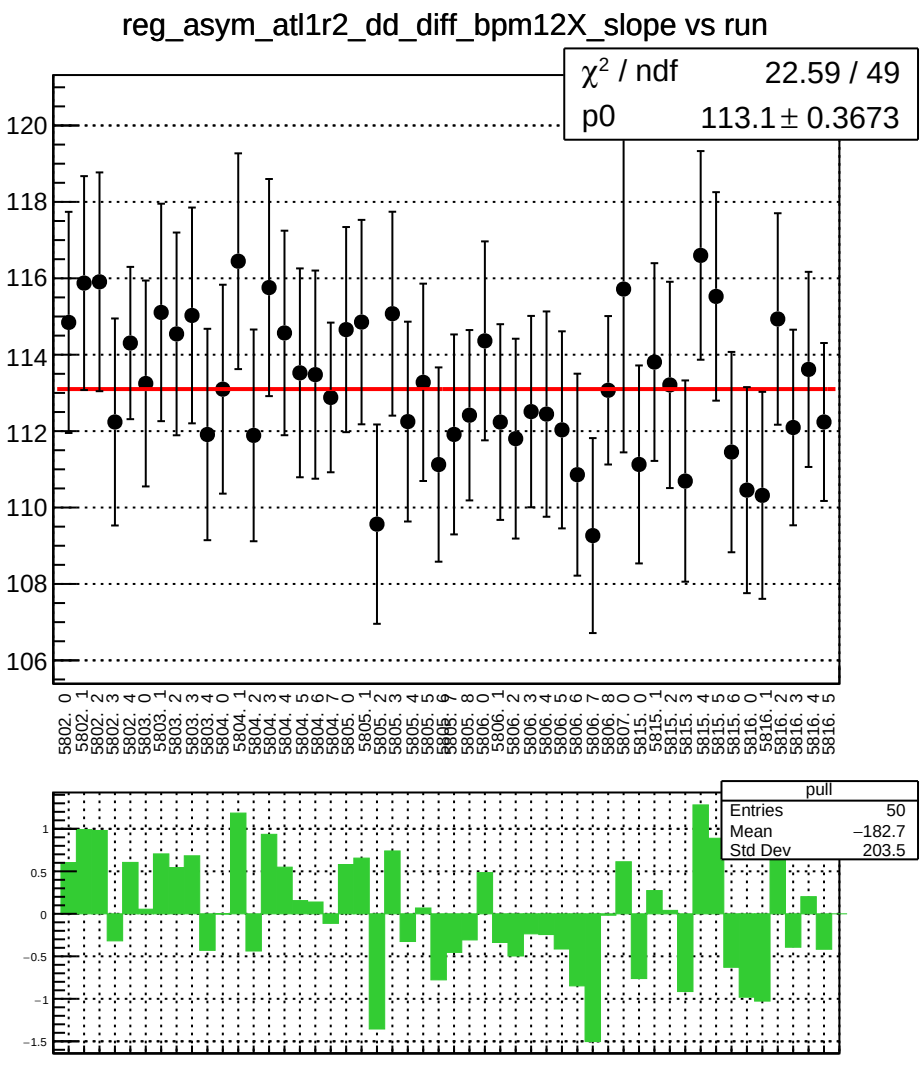

pull1D
Entries 50
Mean 0.00948
Std Dev 0.6646

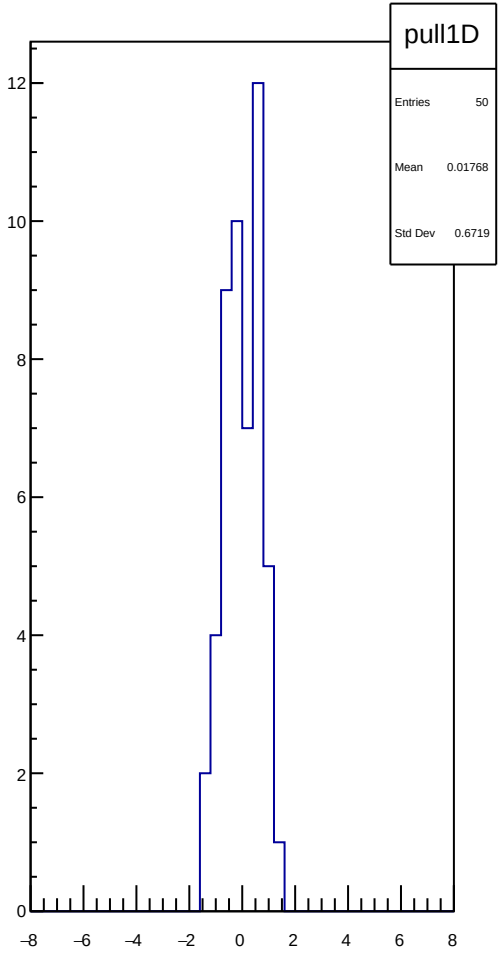

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.91 / 49
p0 −388.3 ± 7.89
pull
Entries 50
Mean −448
Std Dev 469.9

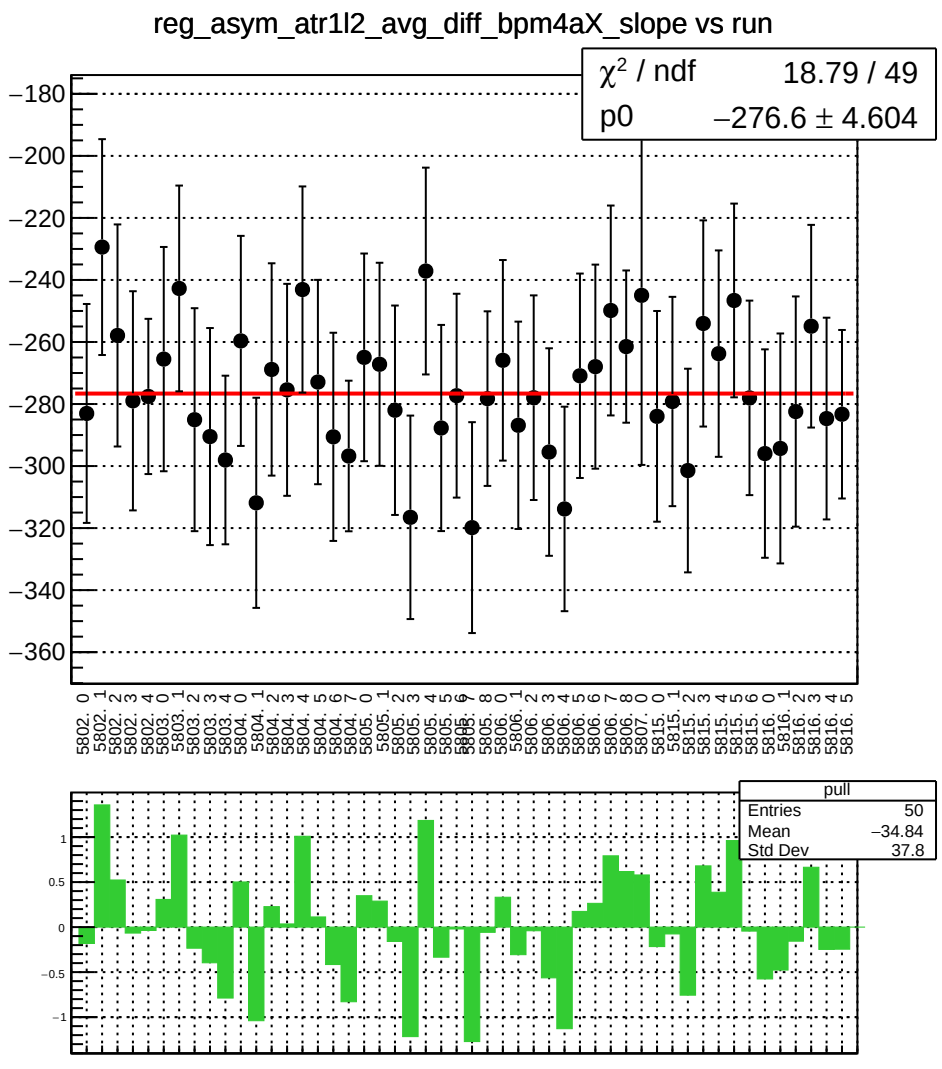

pull1D
Entries 50
Mean −0.004736
Std Dev 0.5081

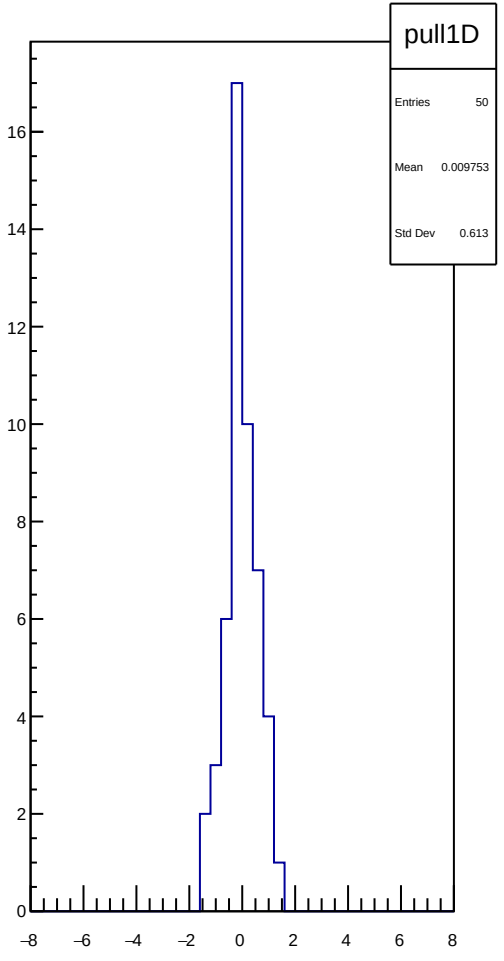

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.33 / 49
p0 −71.87 ± 6.057
50
0
−50
−100
−150
pull
Entries 50
Mean 91.05
Std Dev 33.85
1
0.5
0
−0.5
−1

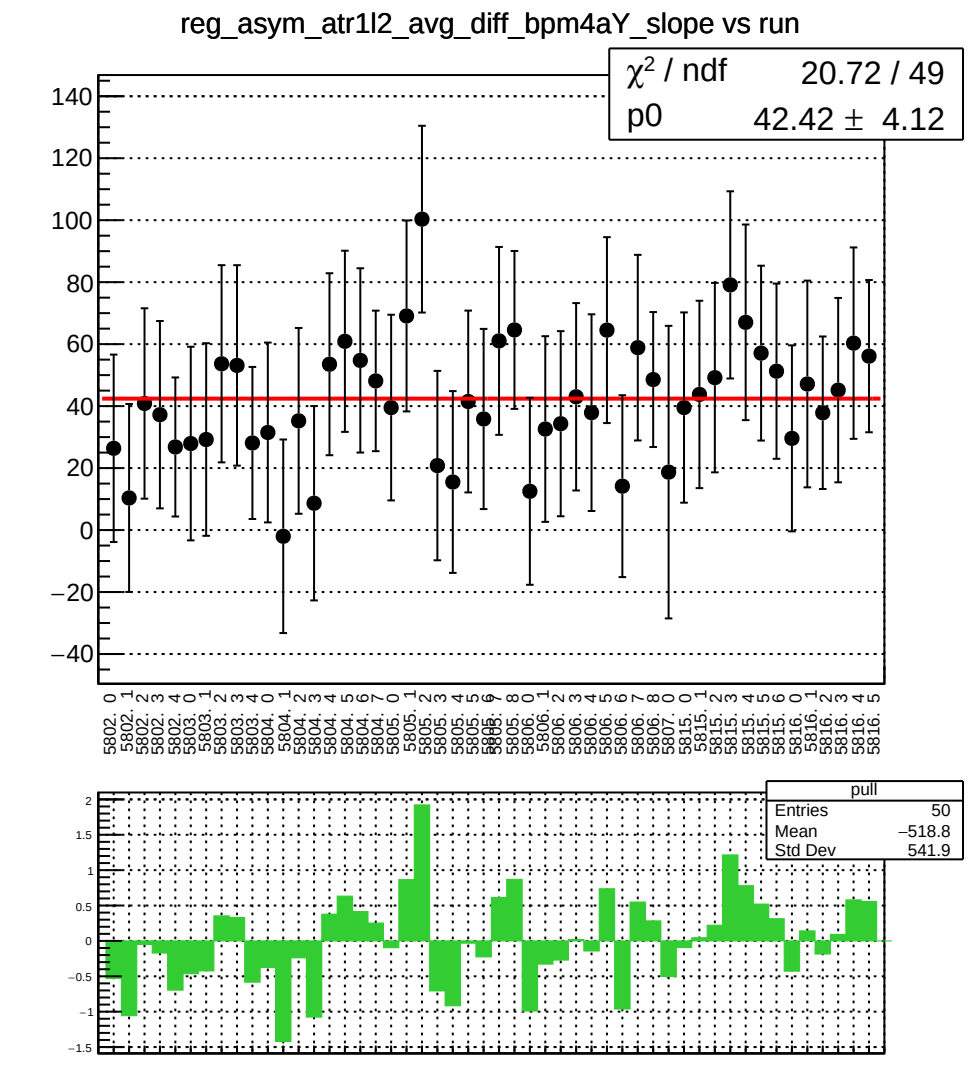

pull1D
Entries 50
Mean −0.00787
Std Dev 0.6531
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

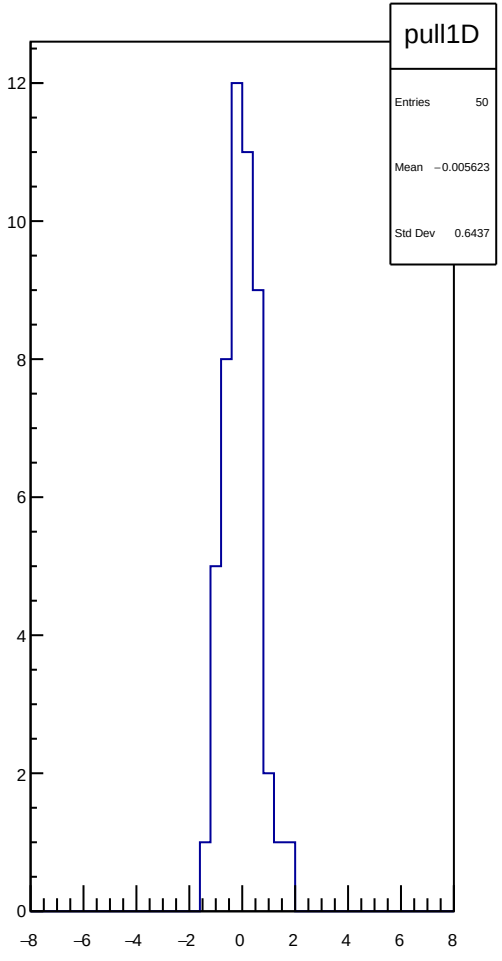

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.59 / 49
p0 113.1 ± 0.3673
pull
Entries 50
Mean −182.7
Std Dev 203.5

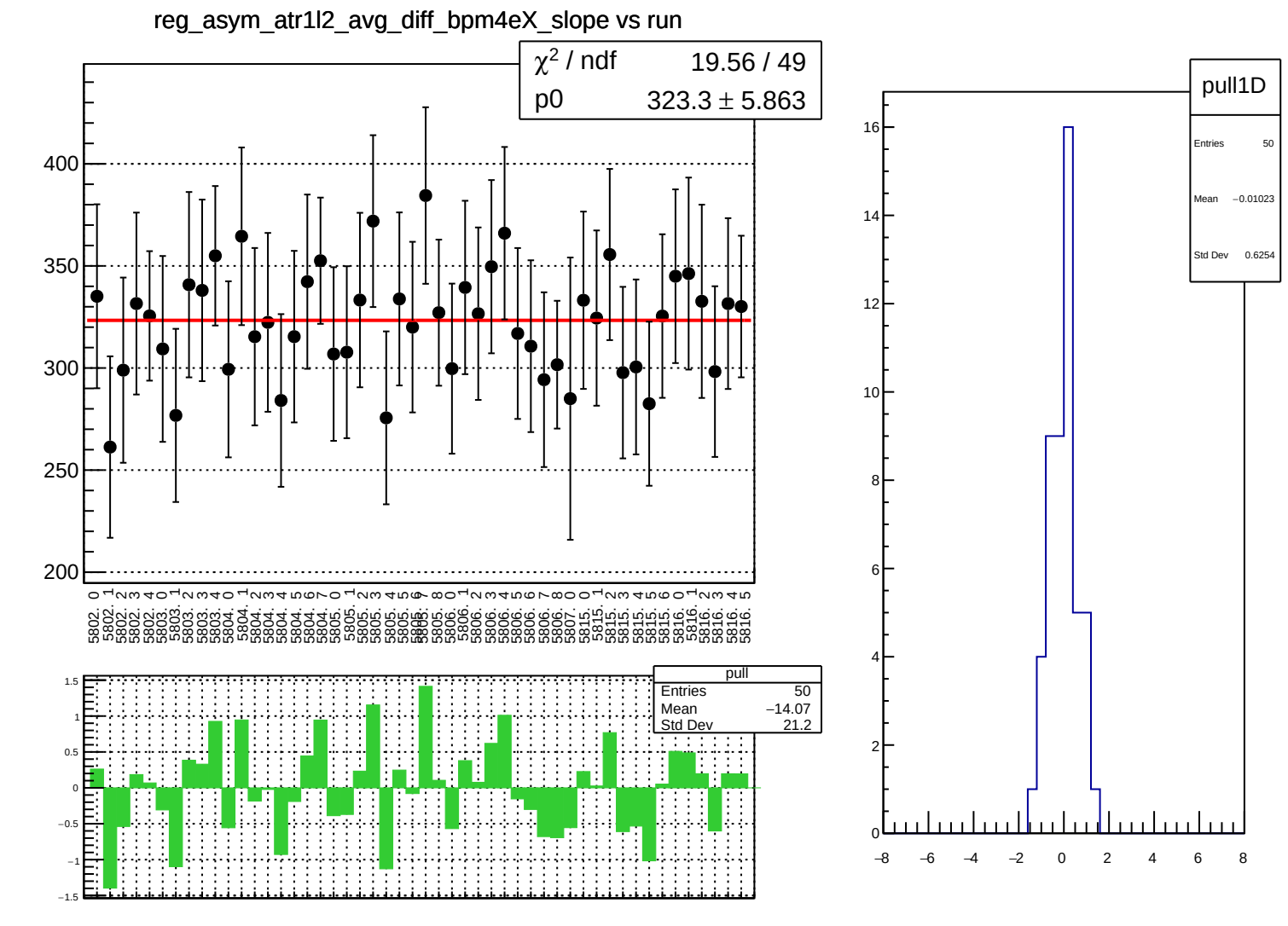

pull1D
Entries 50
Mean 0.01768
Std Dev 0.6719

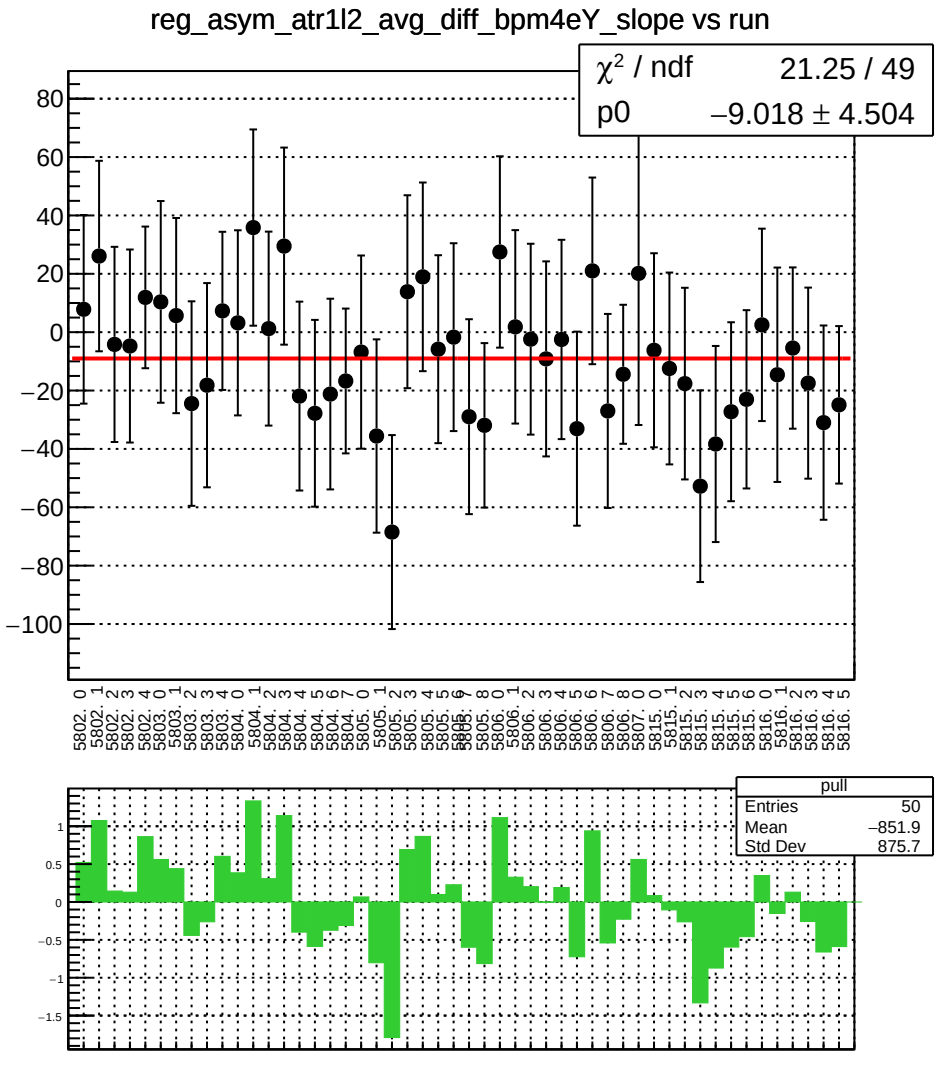

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 18.79 / 49
p0 −276.6 ± 4.604
pull
Entries 50
Mean −34.84
Std Dev 37.8

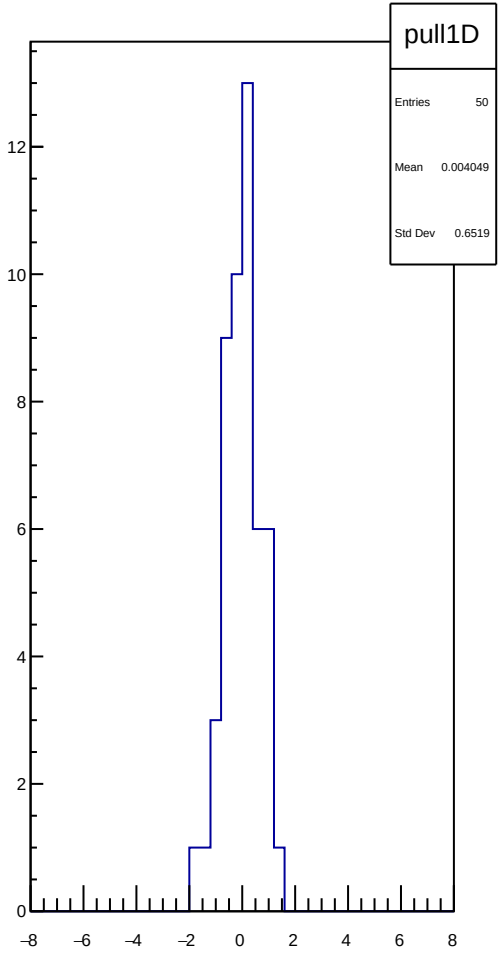

pull1D
Entries 50
Mean 0.009753
Std Dev 0.613

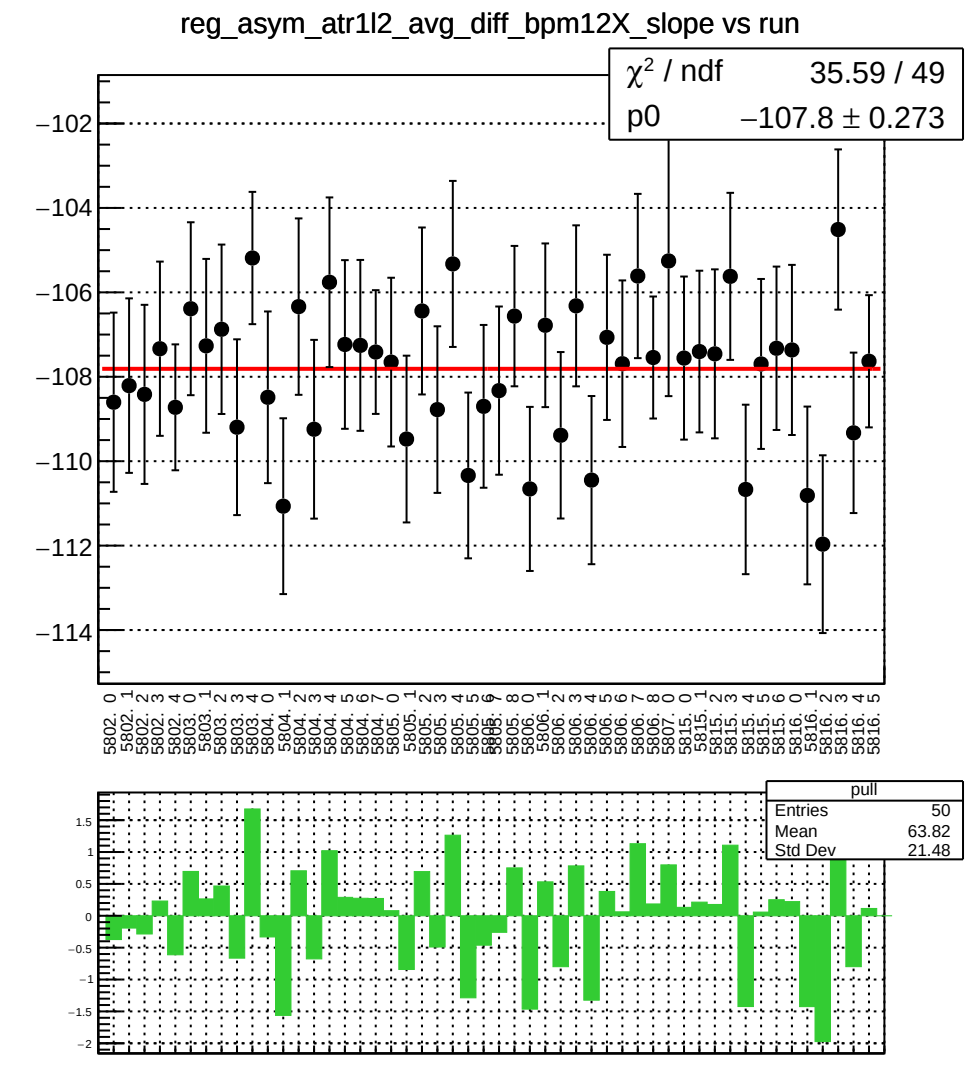

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.72 / 49
p0 42.42 ± 4.12
pull
Entries 50
Mean −518.8
Std Dev 541.9

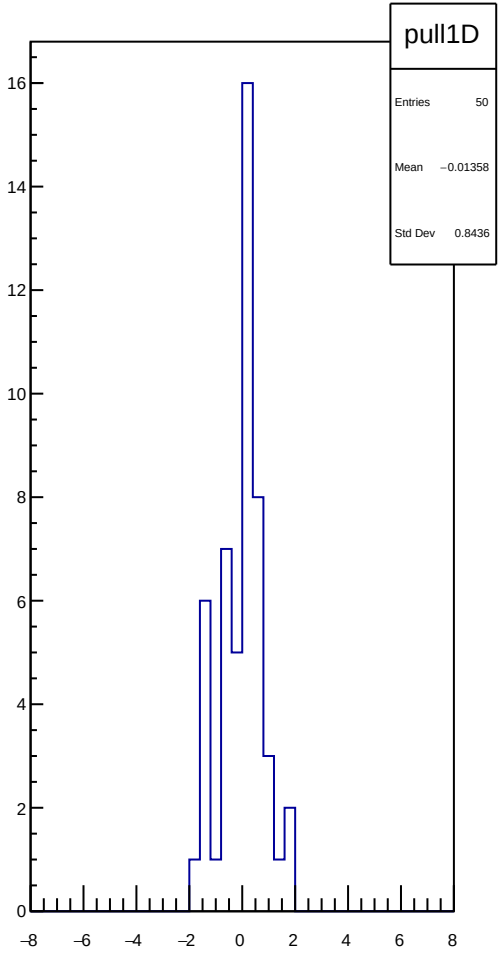

pull1D
Entries 50
Mean −0.005623
Std Dev 0.6437

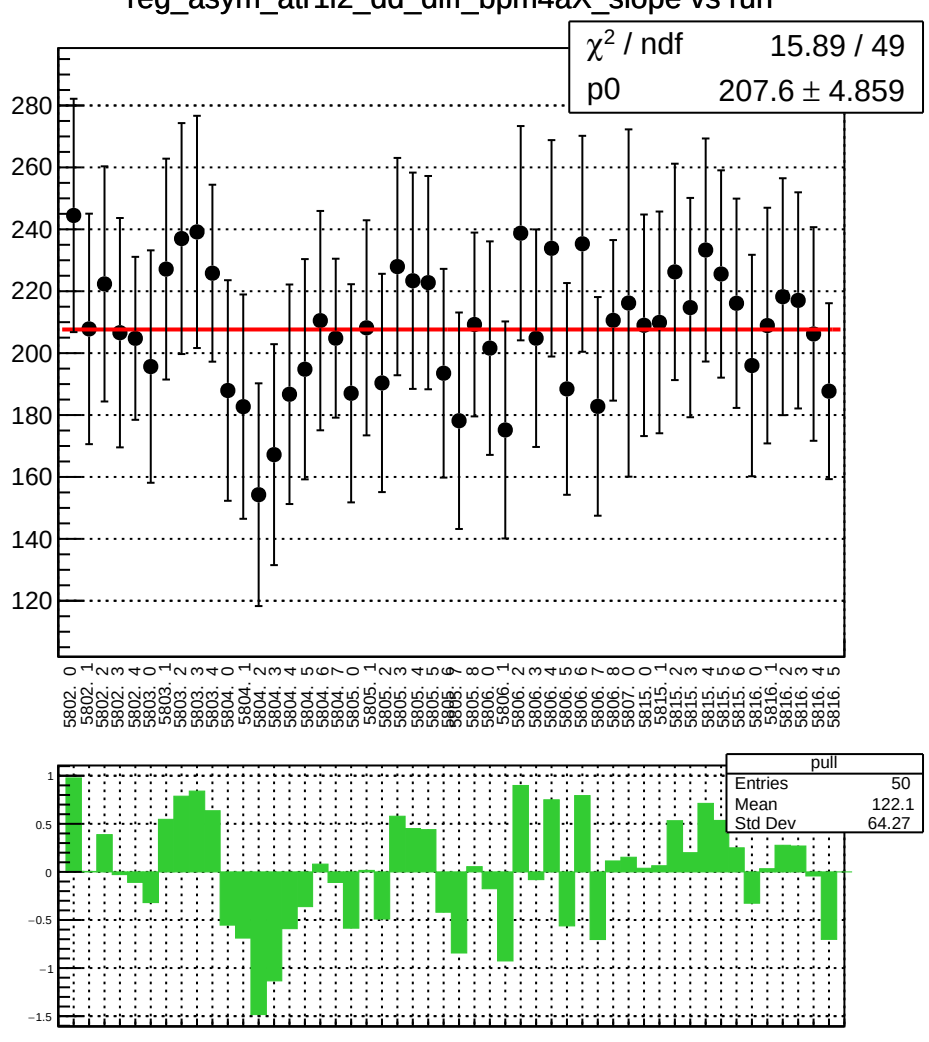

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.56 / 49
p0 323.3 ± 5.863
400
350
300
250
200
pull
Entries 50
Mean −14.07
Std Dev 21.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.01023
Std Dev 0.6254
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

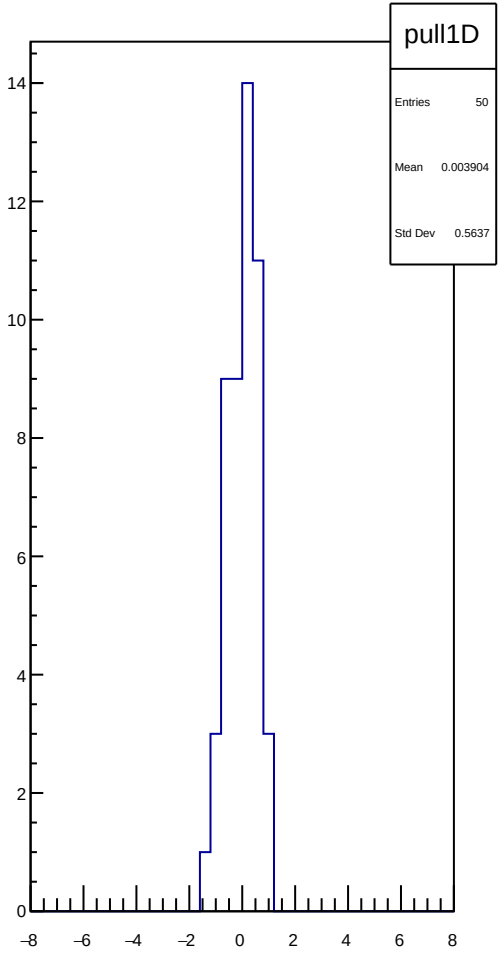

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.25 / 49
p0 −9.018 ± 4.504
pull
Entries 50
Mean −851.9
Std Dev 875.7

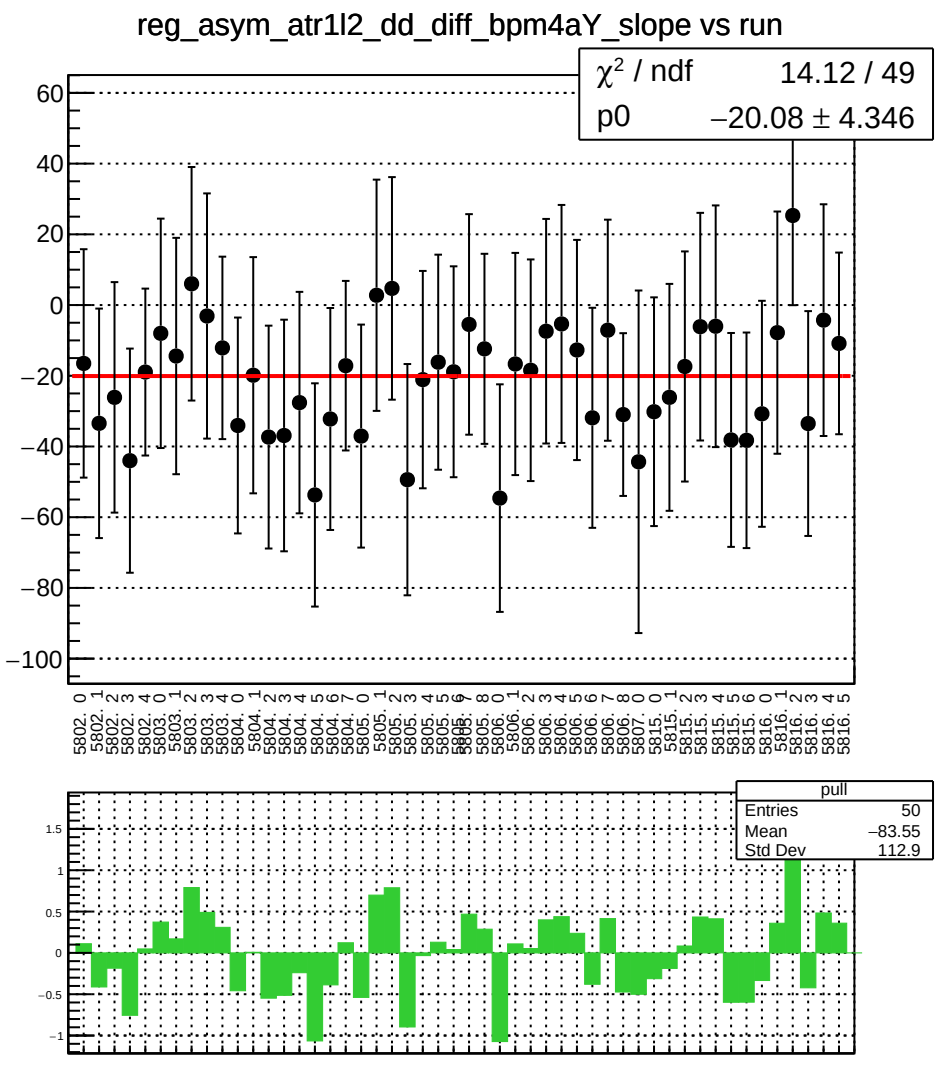

pull1D
Entries 50
Mean 0.004049
Std Dev 0.6519

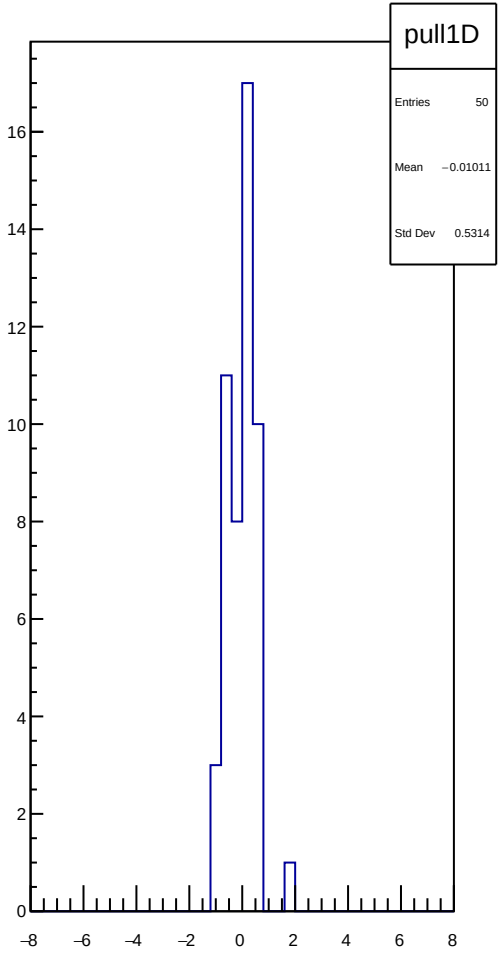

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 35.59 / 49
p0 −107.8 ± 0.273
pull
Entries 50
Mean 63.82
Std Dev 21.48

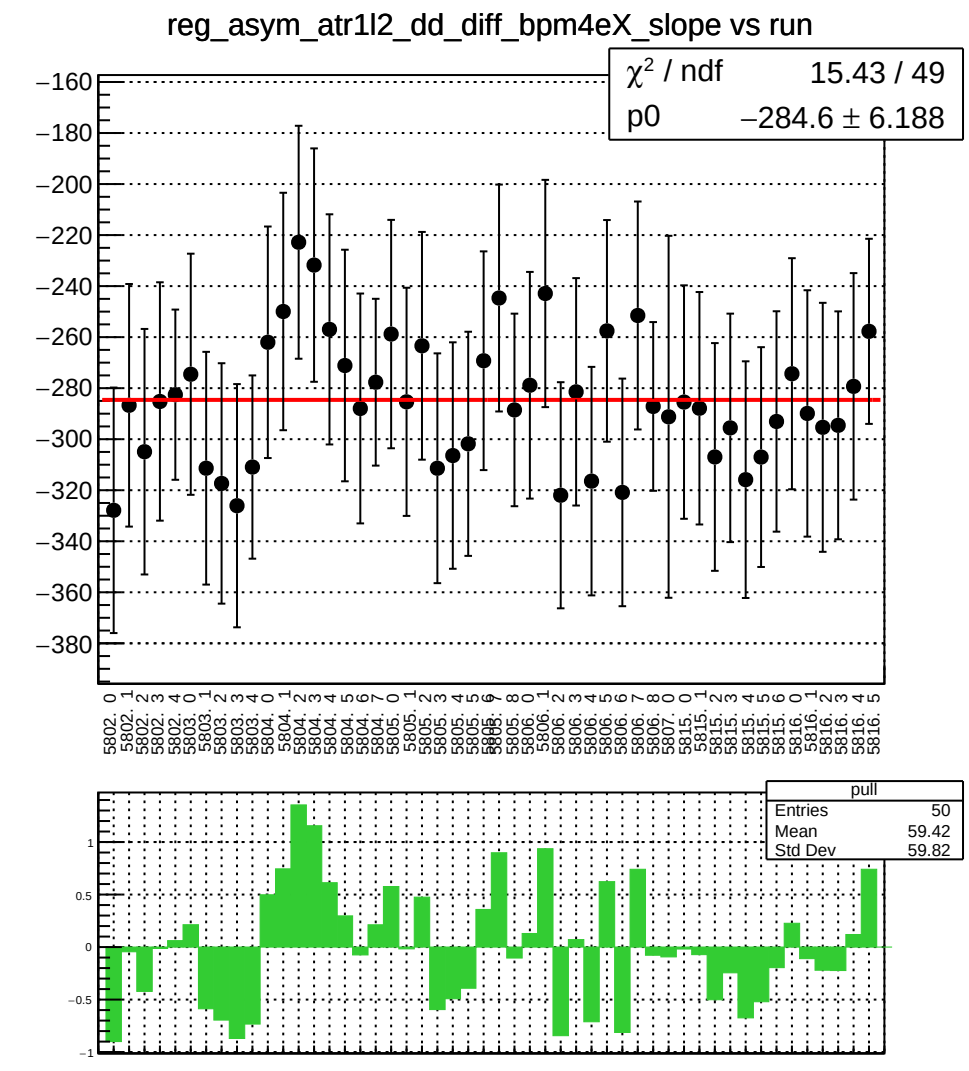

pull1D
Entries 50
Mean −0.01358
Std Dev 0.8436

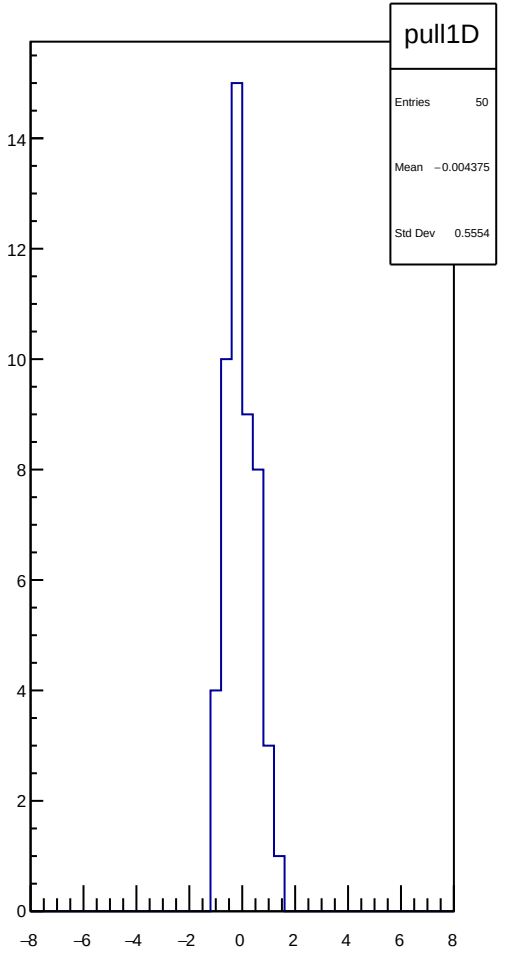

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 15.89 / 49
p0 207.6 ± 4.859
pull
Entries 50
Mean 122.1
Std Dev 64.27

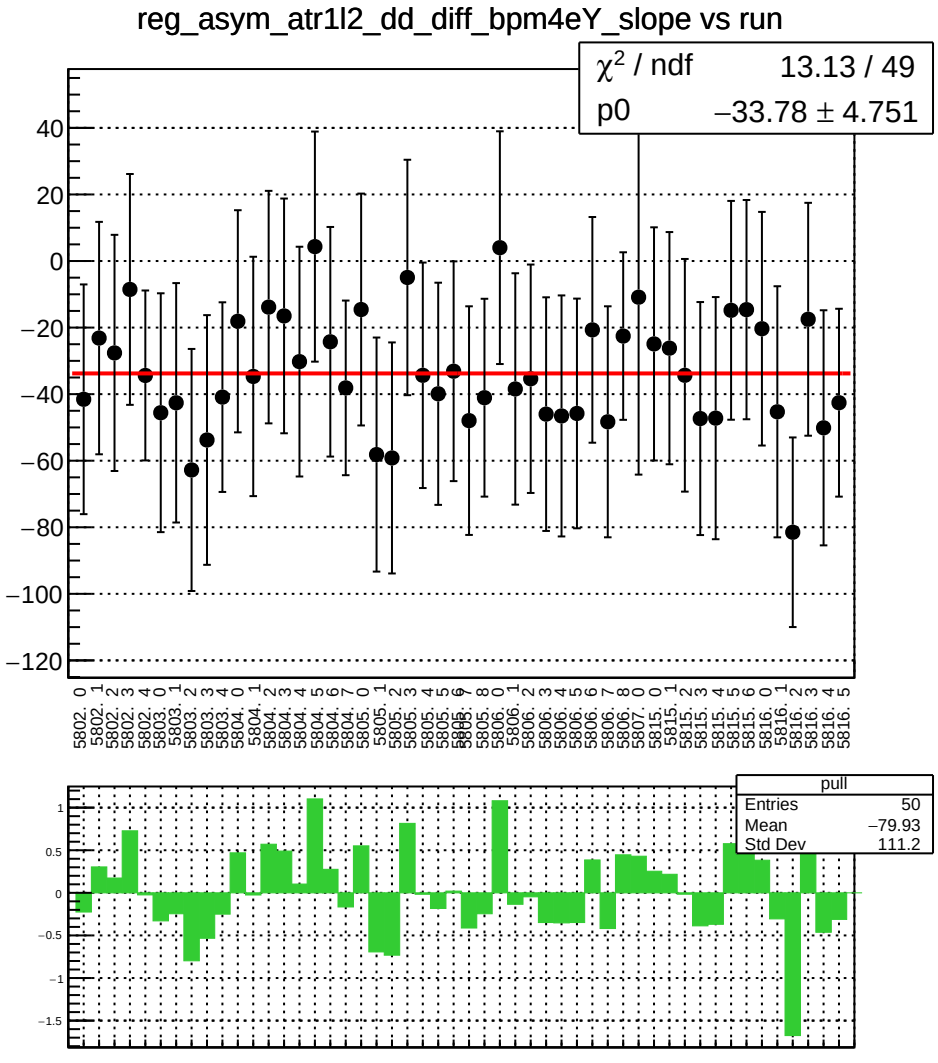

pull1D
Entries 50
Mean 0.003904
Std Dev 0.5637

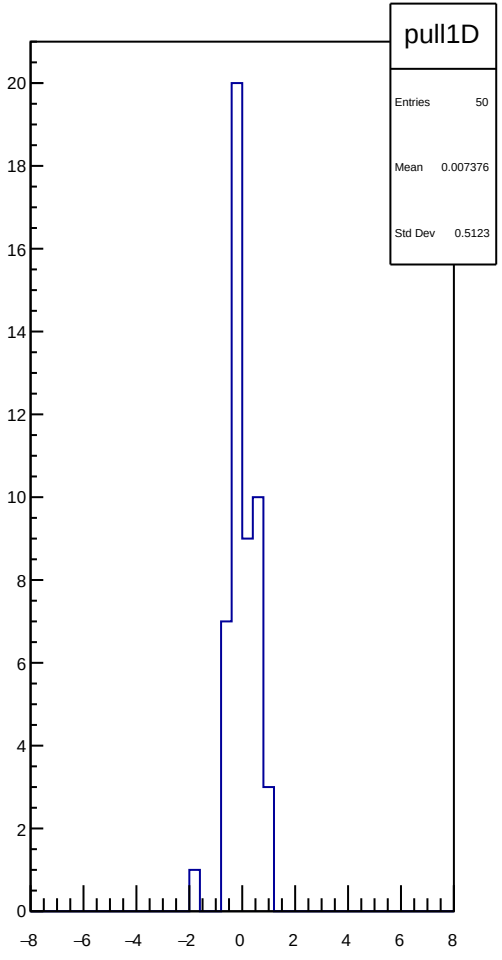

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.12 / 49
p0 −20.08 ± 4.346
pull
Entries 50
Mean −83.55
Std Dev 112.9

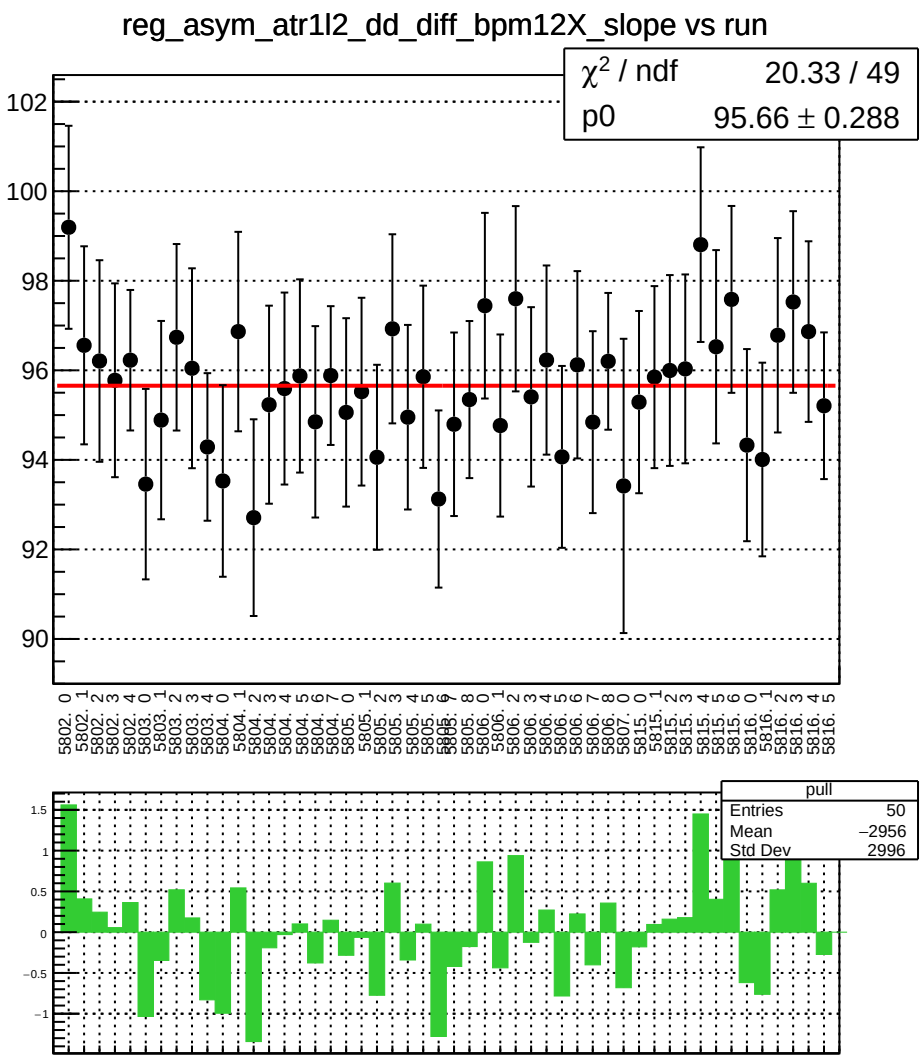

pull1D
Entries 50
Mean −0.01011
Std Dev 0.5314

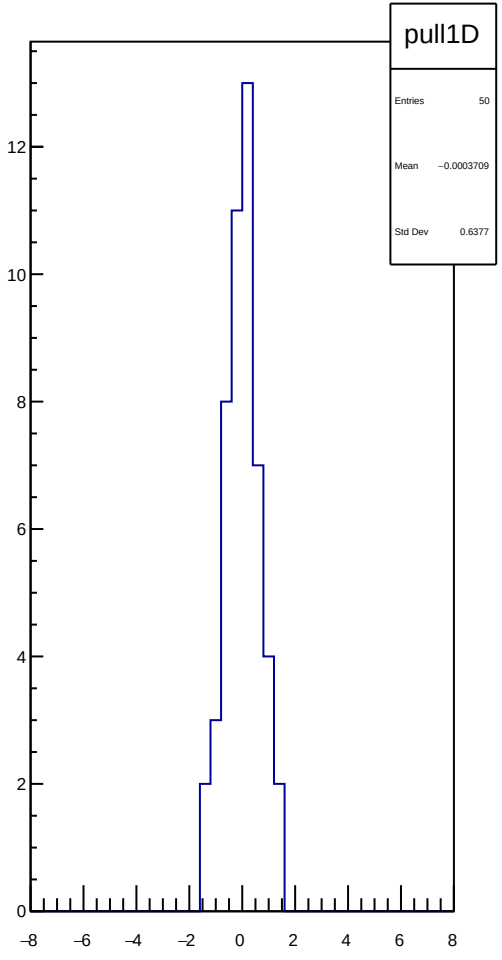

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.43 / 49
p0 −284.6 ± 6.188
pull
Entries 50
Mean 59.42
Std Dev 59.82

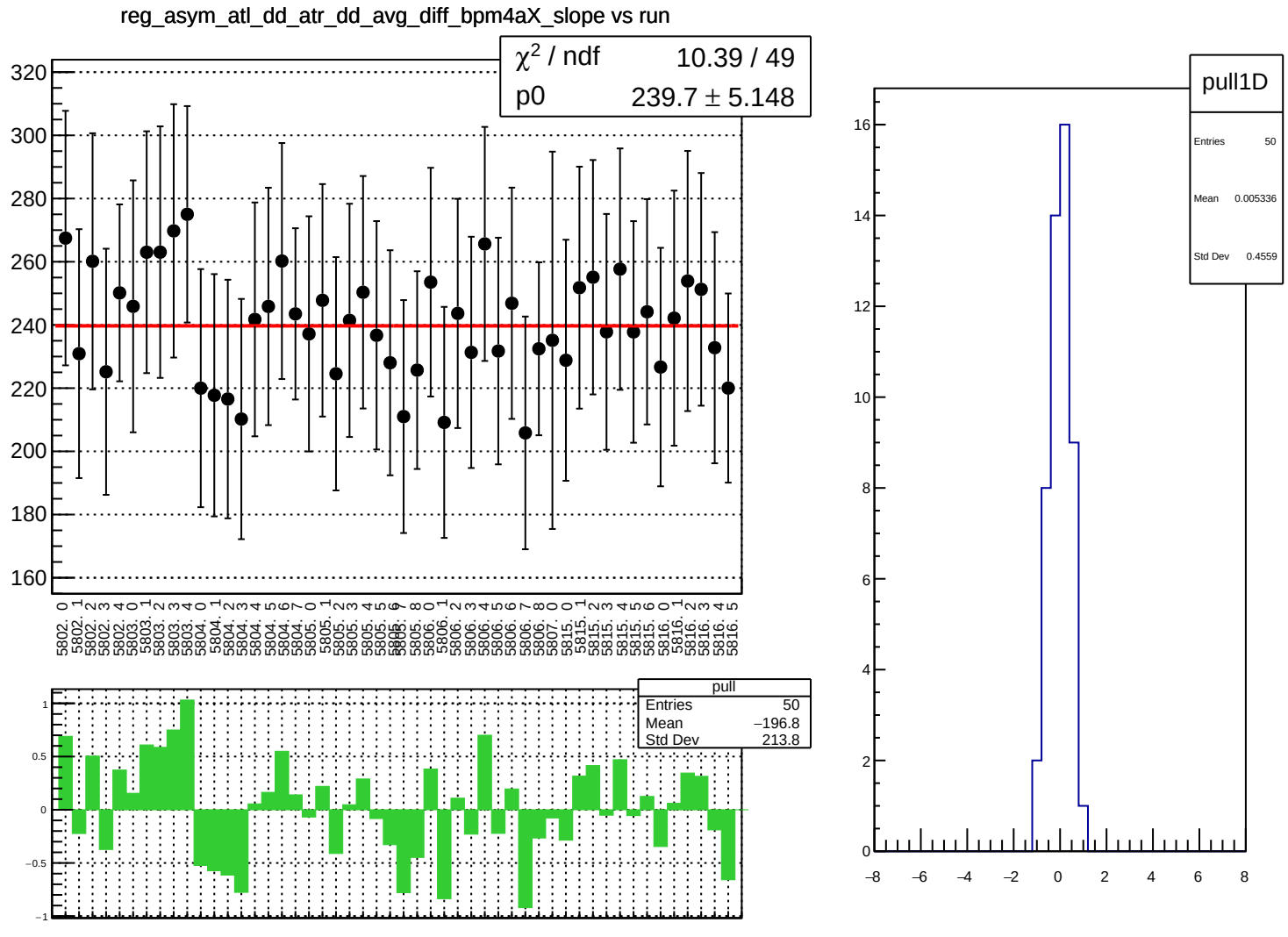

pull1D
Entries 50
Mean −0.004375
Std Dev 0.5554

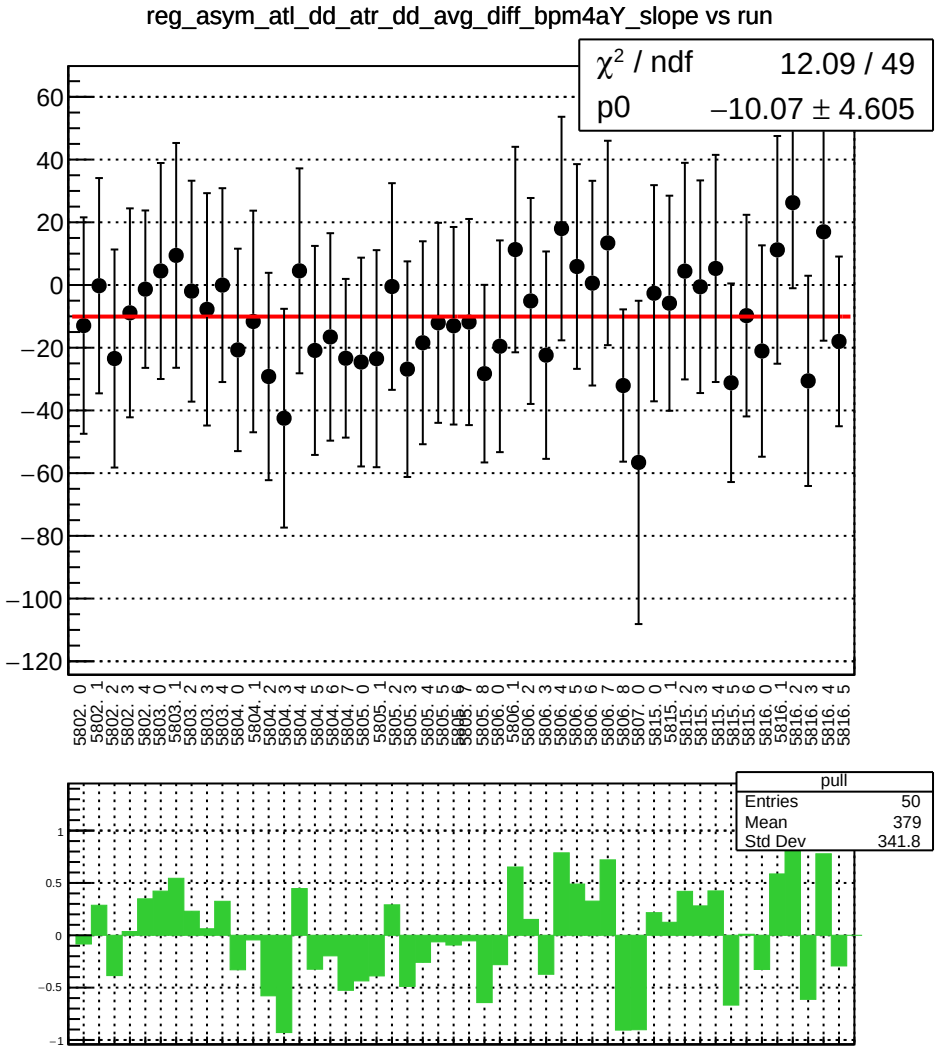

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.13 / 49
p0 −33.78 ± 4.751
pull
Entries 50
Mean −79.93
Std Dev 111.2

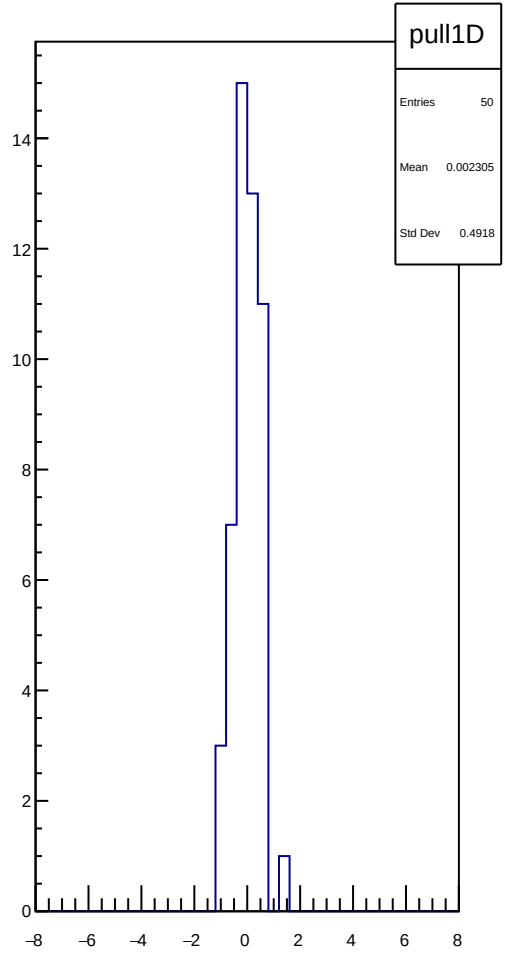

pull1D
Entries 50
Mean 0.007376
Std Dev 0.5123

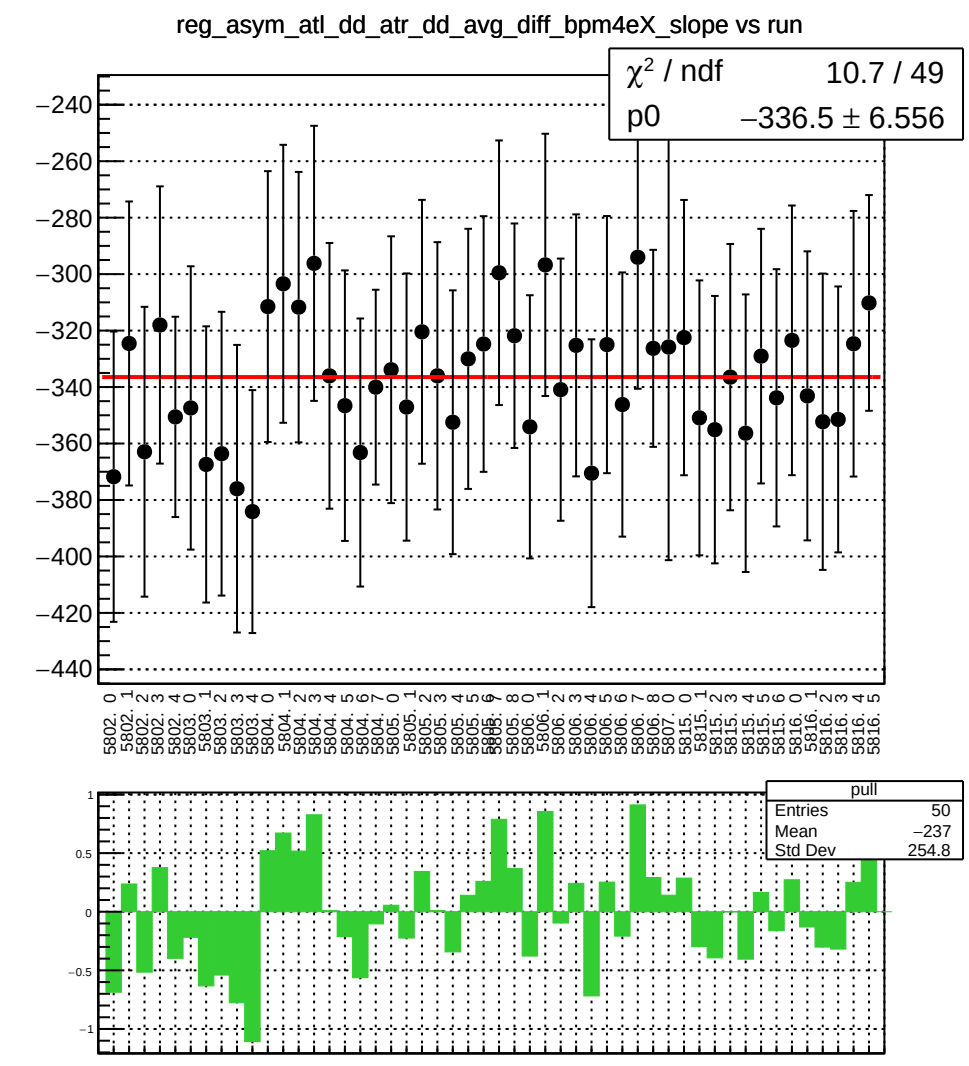

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 20.33 / 49
p0 95.66 ± 0.288
102
100
98
96
94
92
90
pull
Entries 50
Mean −2956
Std Dev 2996
1.5
1
0.5
0
−0.5
−1

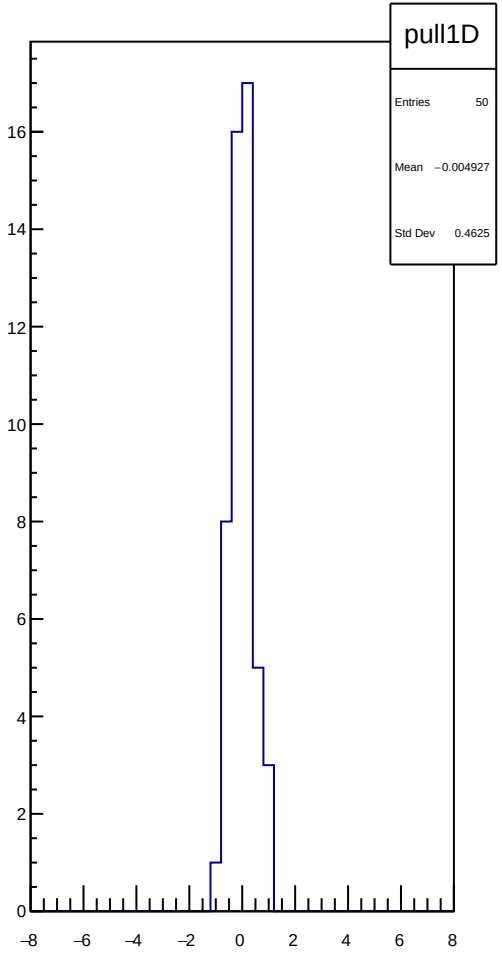

pull1D
Entries 50
Mean −0.0003709
Std Dev 0.6377
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

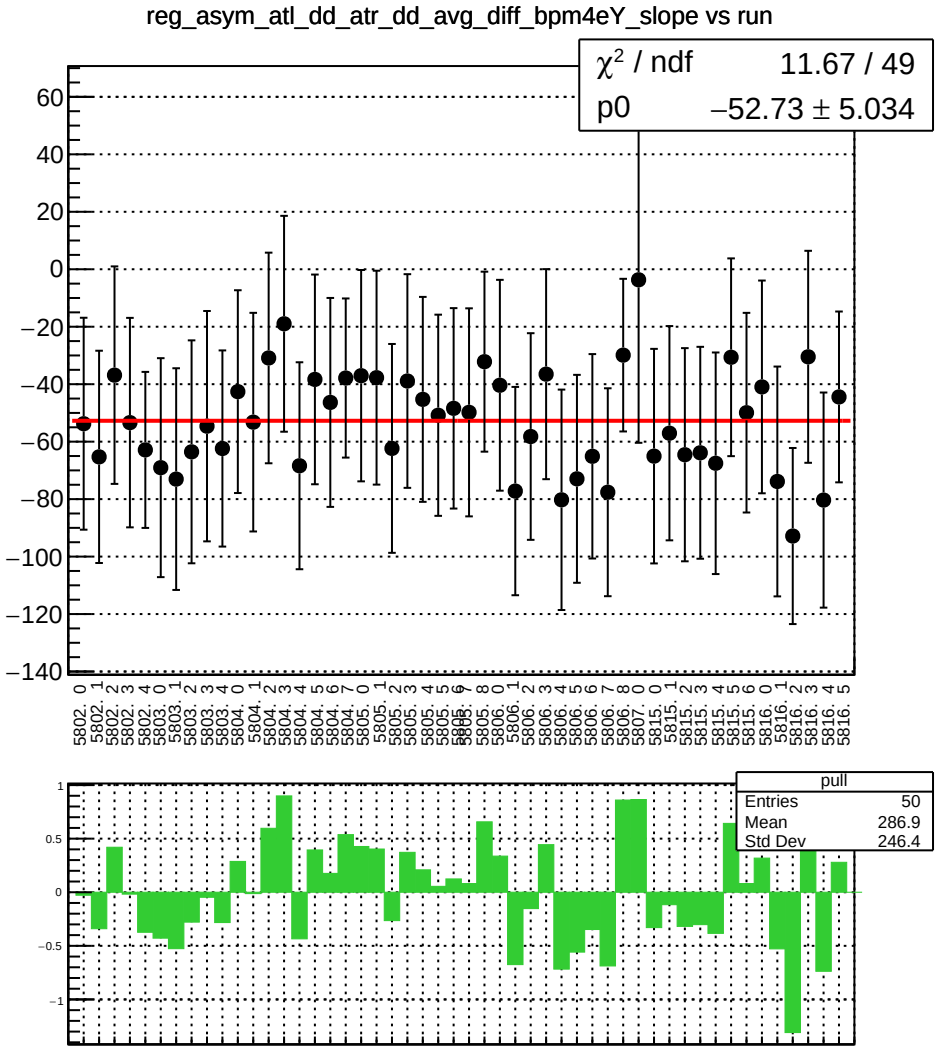

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.39 / 49
p0 239.7 ± 5.148
320
300
280
260
240
220
200
180
160
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean −196.8
Std Dev 213.8
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.005336
Std Dev 0.4559
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

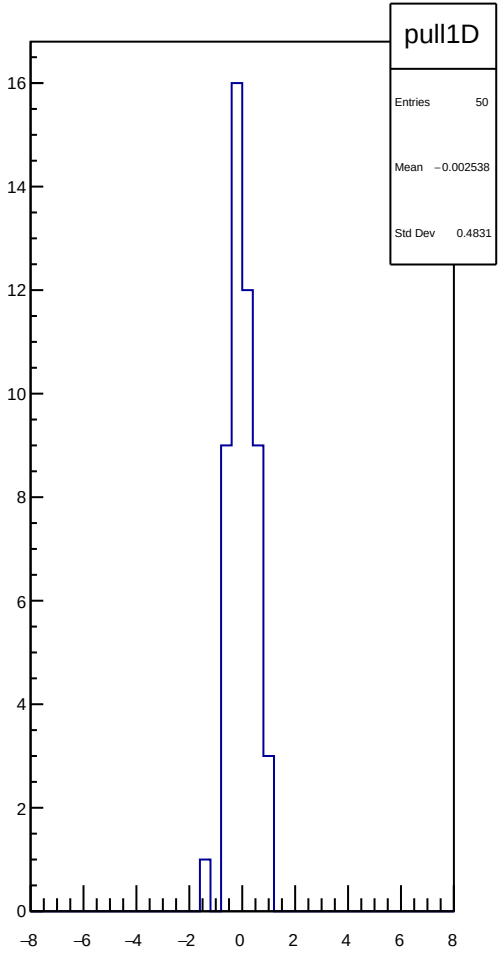

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.09 / 49
p0 −10.07 ± 4.605
pull
Entries 50
Mean 379
Std Dev 341.8

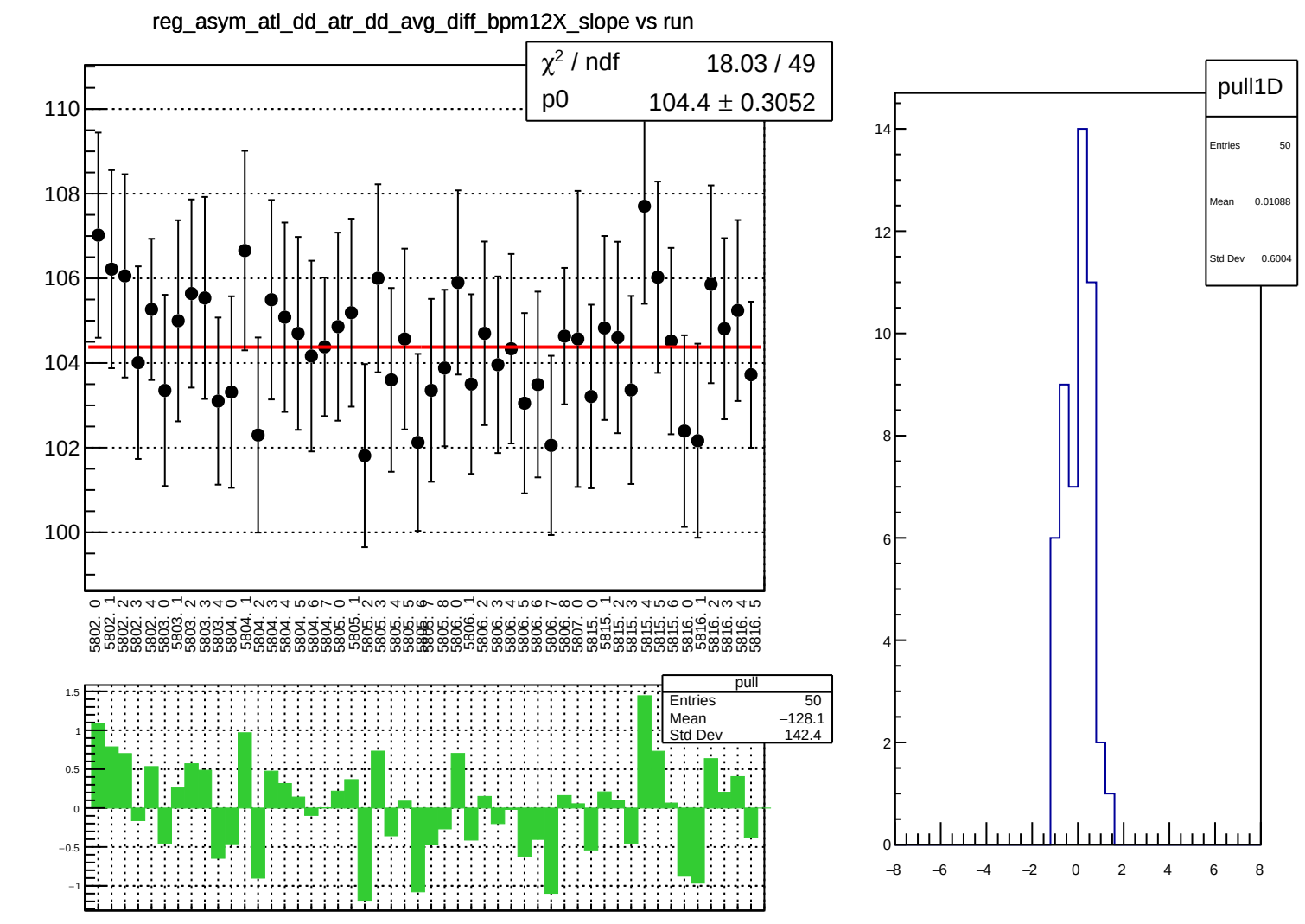

pull1D
Entries 50
Mean 0.002305
Std Dev 0.4918

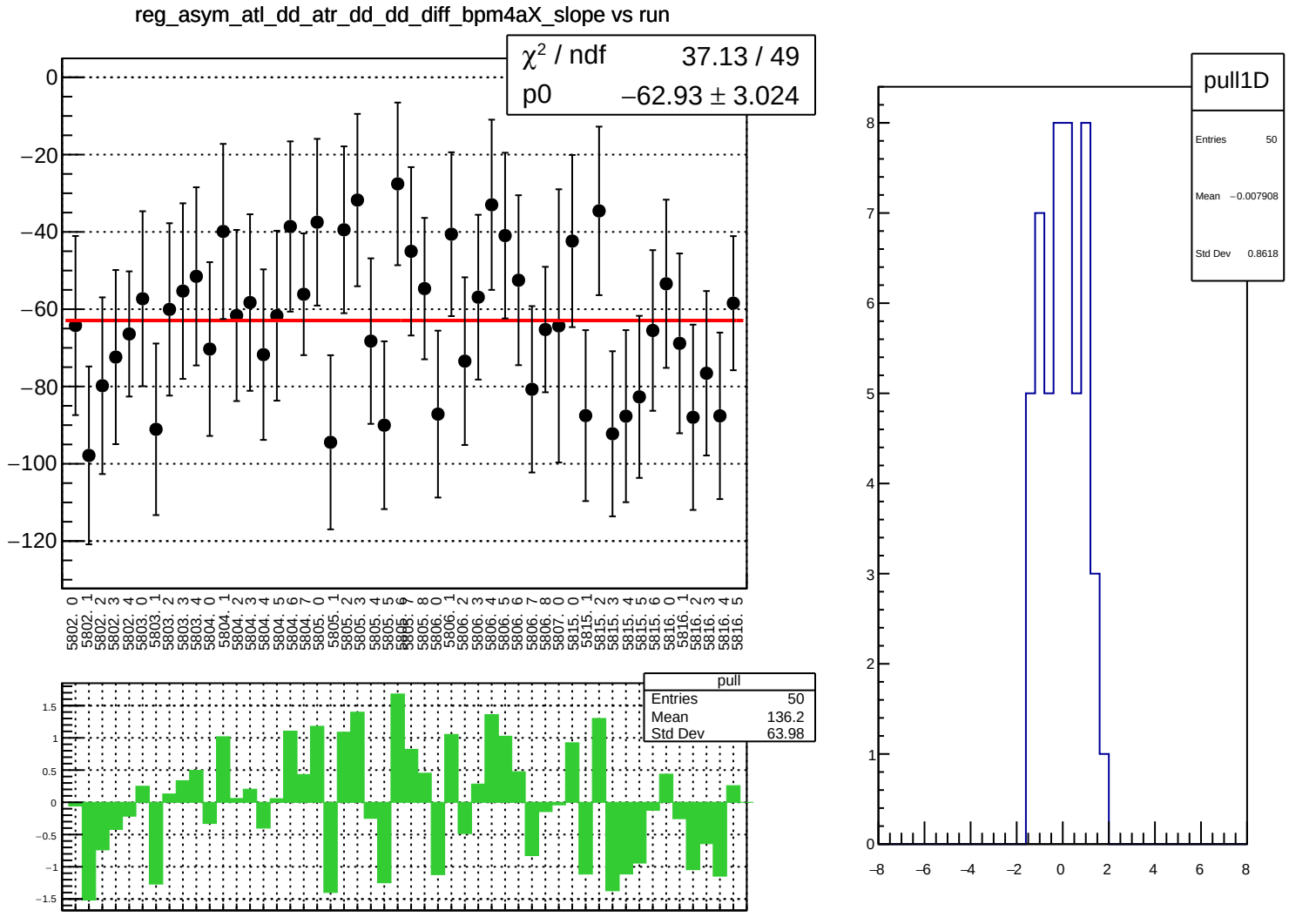

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.7 / 49
p0 −336.5 ± 6.556
pull
Entries 50
Mean −237
Std Dev 254.8

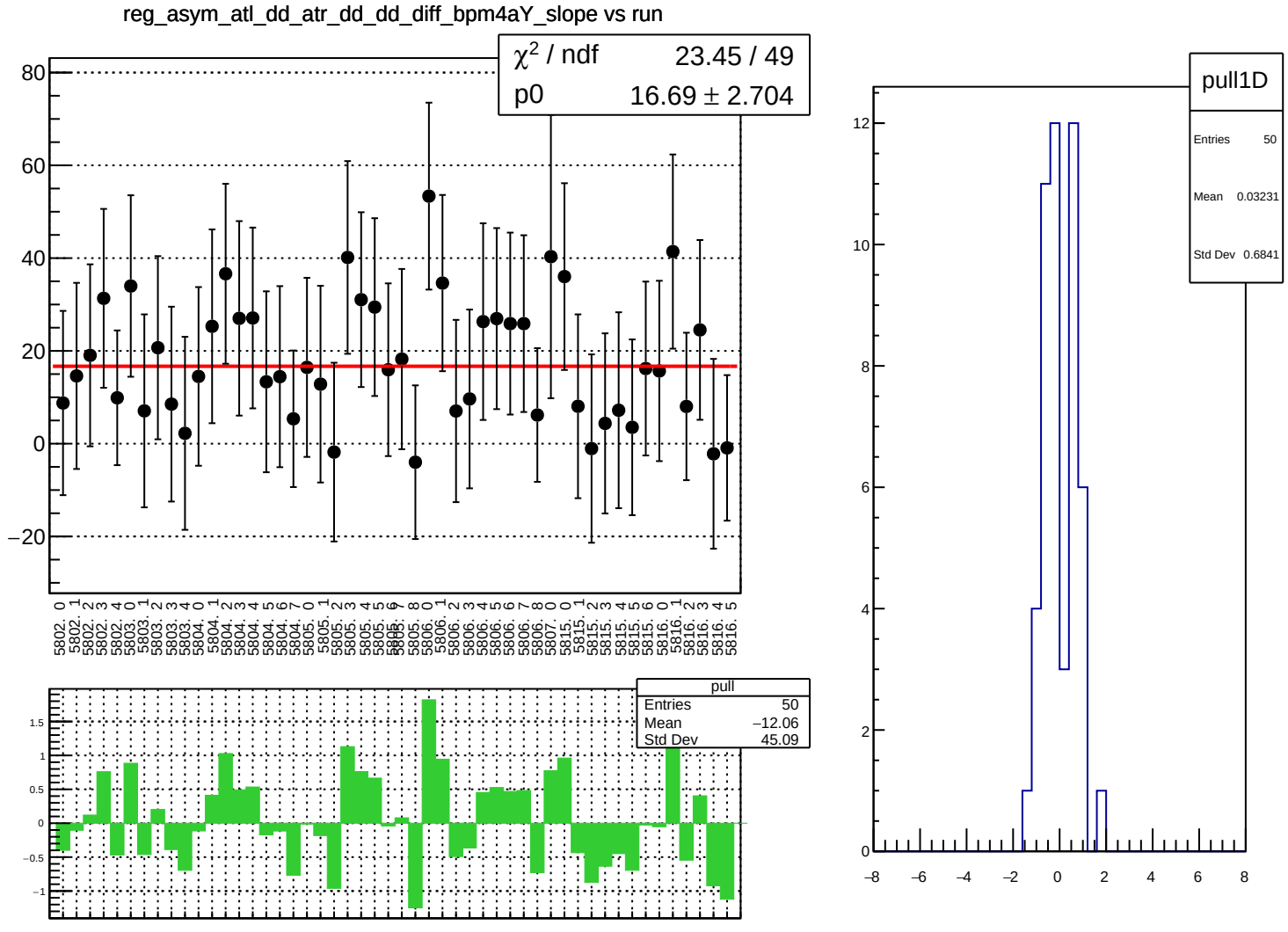

pull1D
Entries 50
Mean −0.004927
Std Dev 0.4625

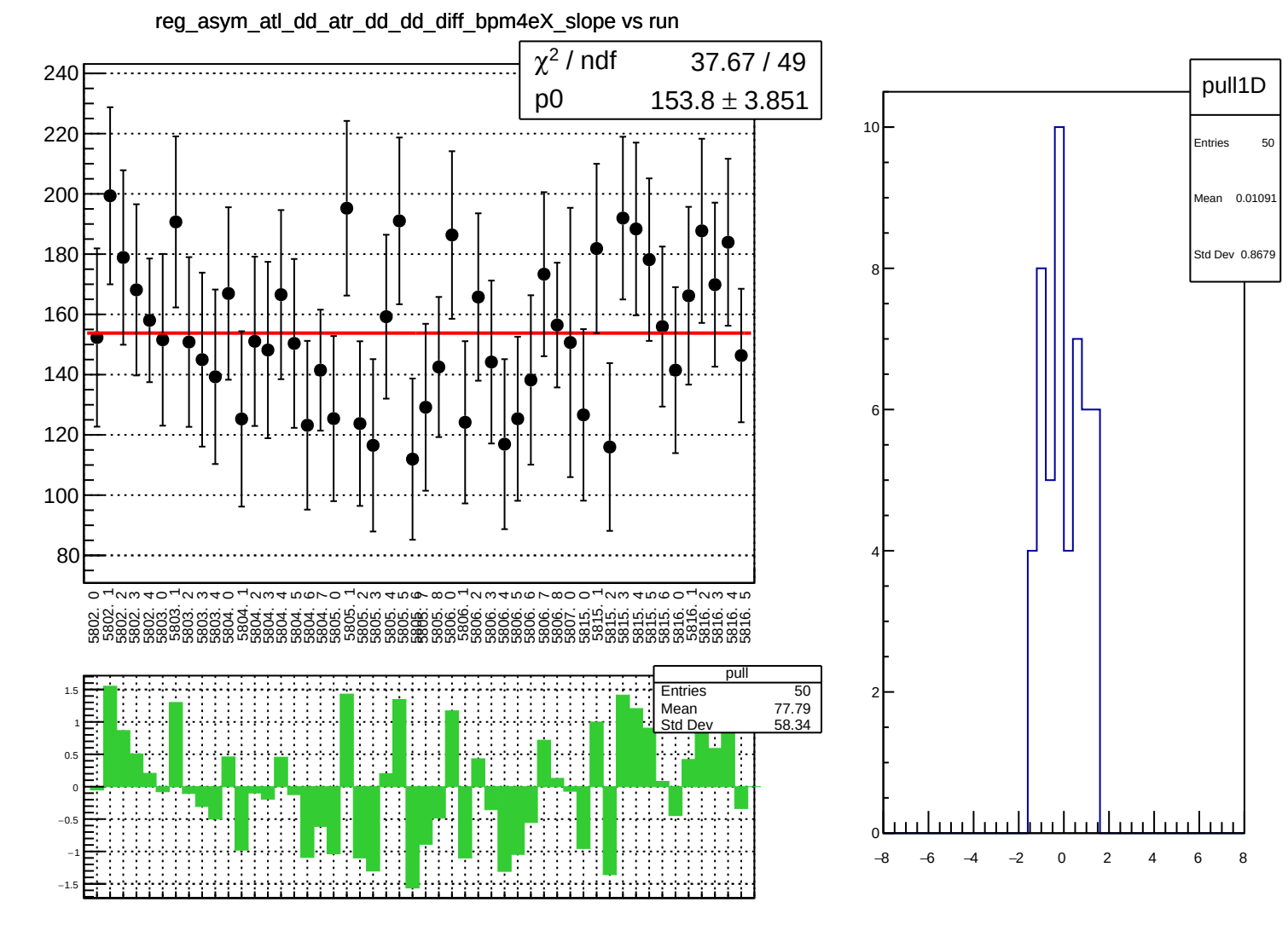

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.67 / 49
p0 −52.73 ± 5.034
pull
Entries 50
Mean 286.9
Std Dev 246.4

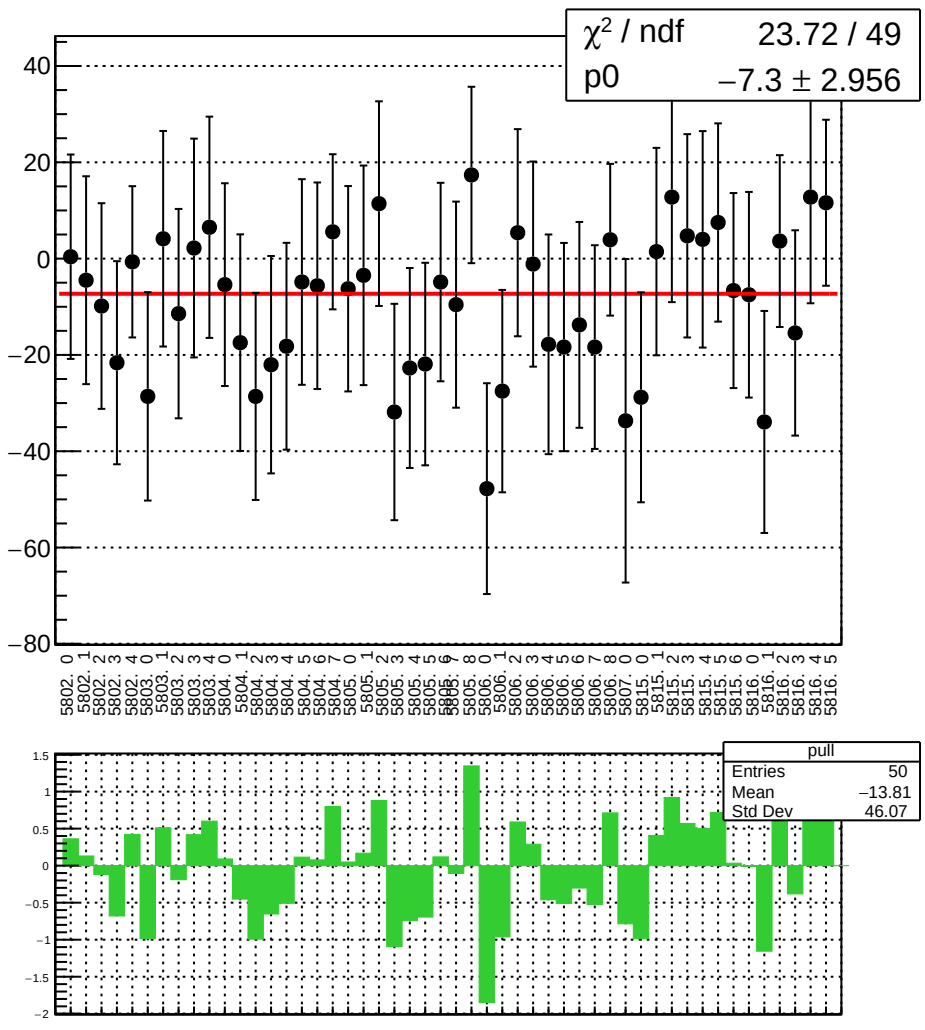

pull1D
Entries 50
Mean −0.002538
Std Dev 0.4831

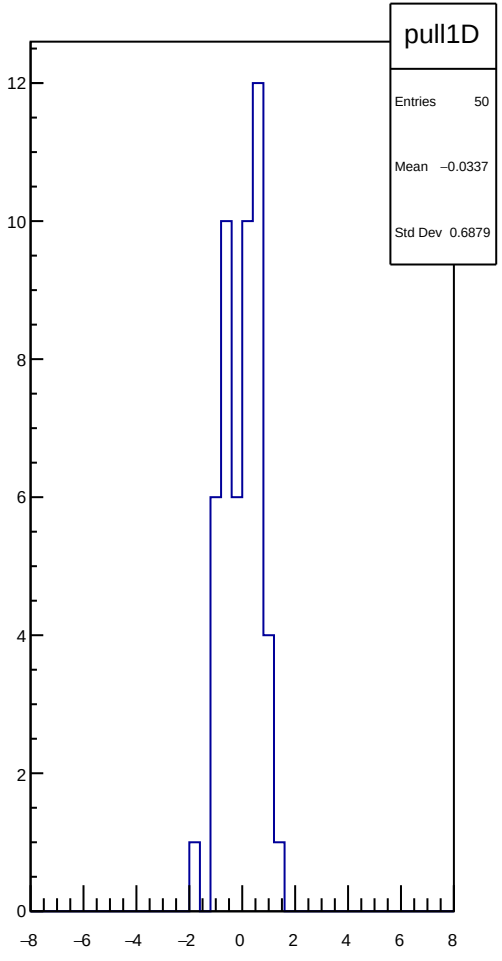

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 18.03 / 49
p0 104.4 ± 0.3052
110
108
106
104
102
100
pull
Entries 50
Mean −128.1
Std Dev 142.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.01088
Std Dev 0.6004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

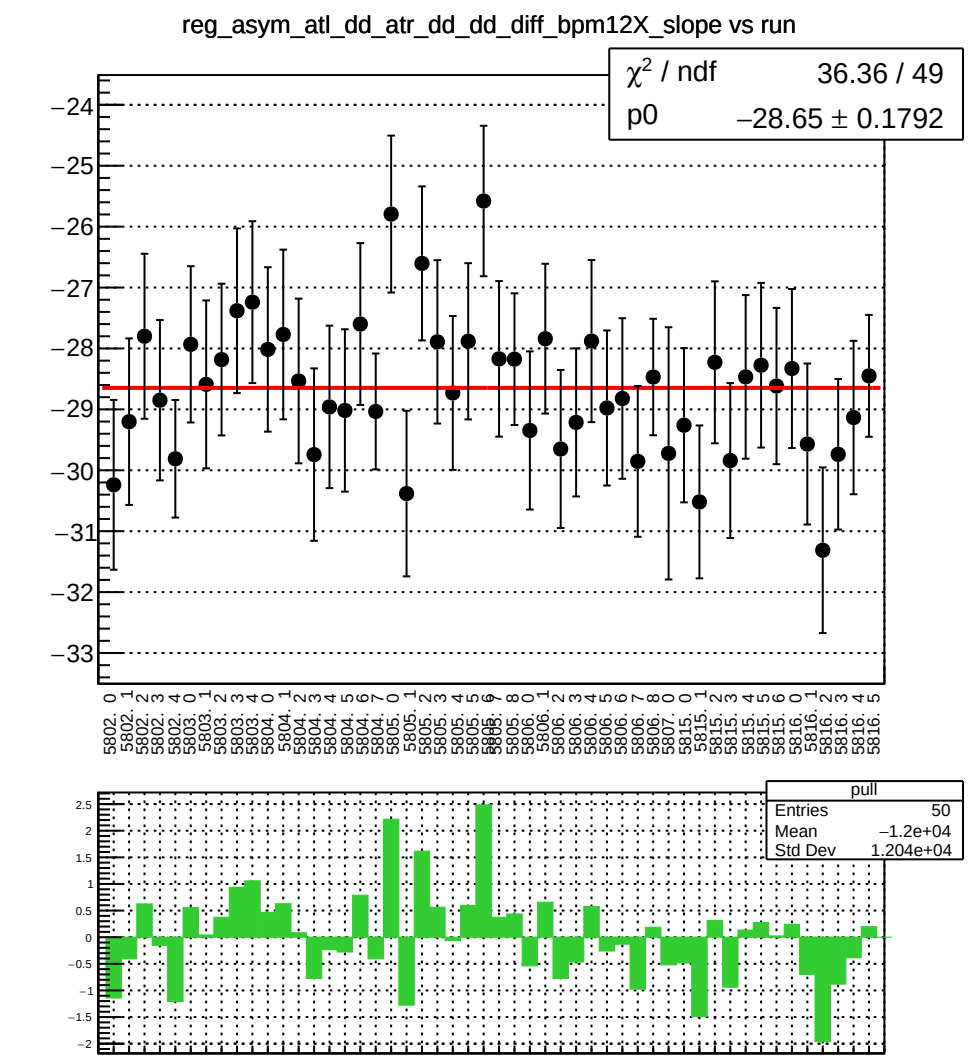

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.13 / 49
p0 −62.93 ± 3.024
0
−20
−40
−60
−80
−100
−120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5807. 0
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 50
Mean 136.2
Std Dev 63.98
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.007908
Std Dev 0.8618
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

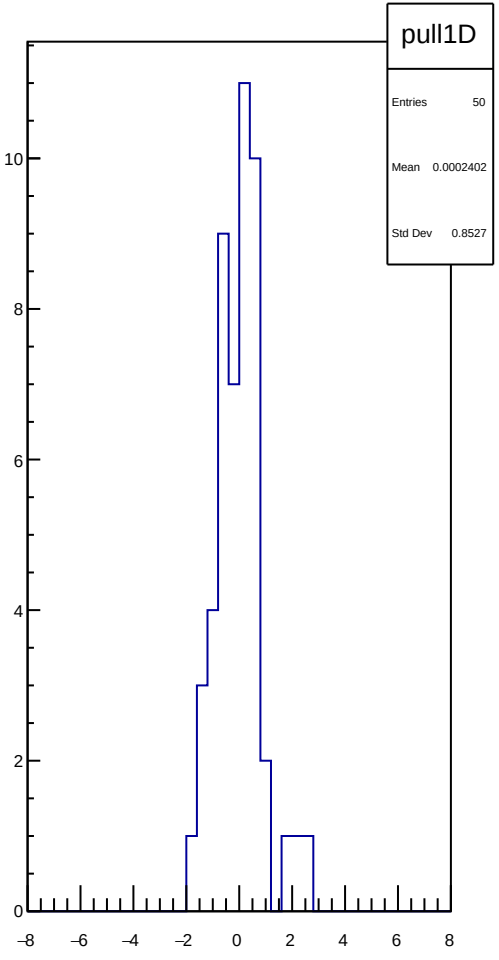

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.45 / 49
p0 16.69 ± 2.704
pull
Entries 50
Mean −12.06
Std Dev 45.09
pull1D
Entries 50
Mean 0.03231
Std Dev 0.6841

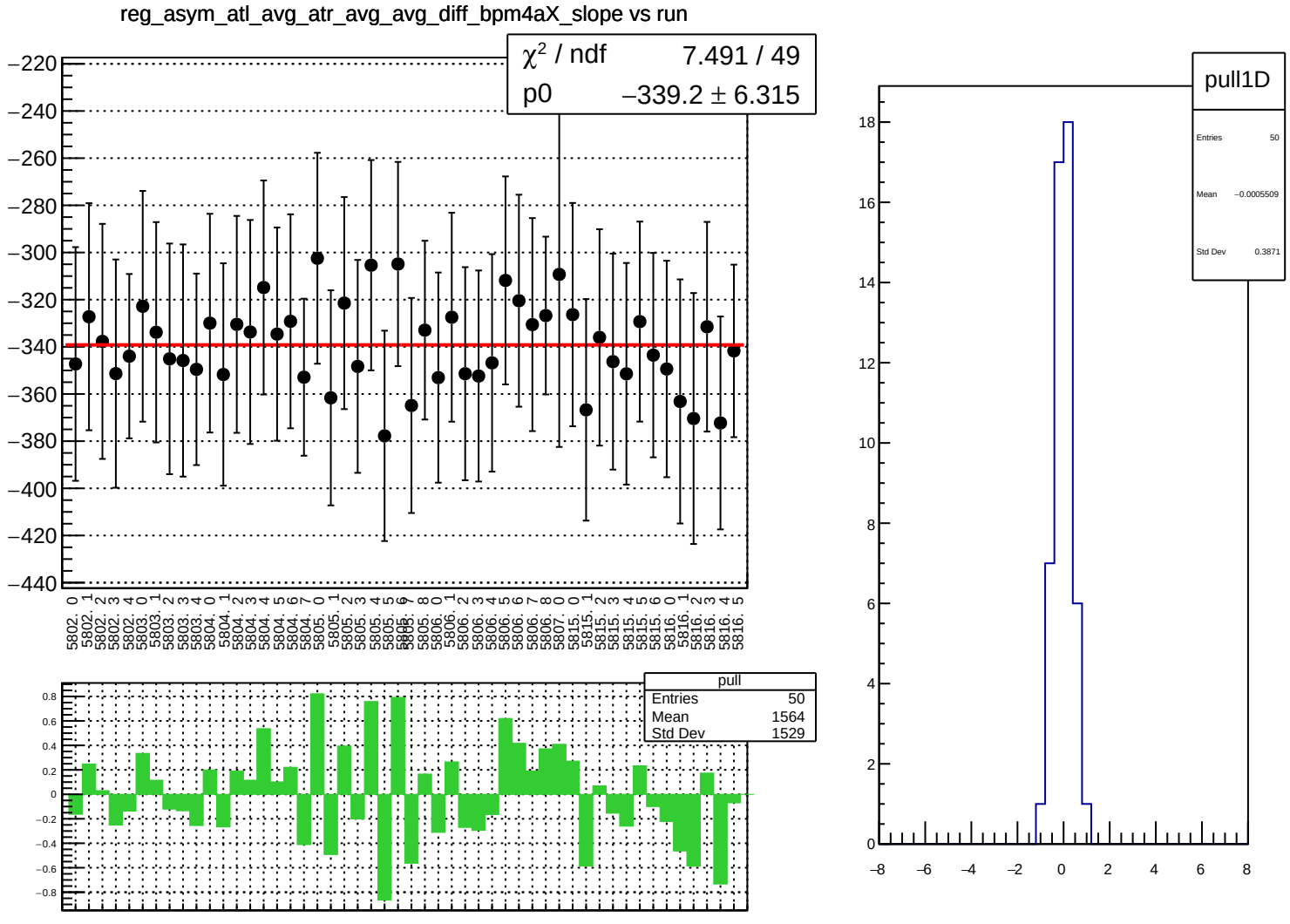

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.67 / 49
p0 153.8 ± 3.851
240
220
200
180
160
140
120
100
80
pull
Entries 50
Mean 77.79
Std Dev 58.34
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01091
Std Dev 0.8679
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

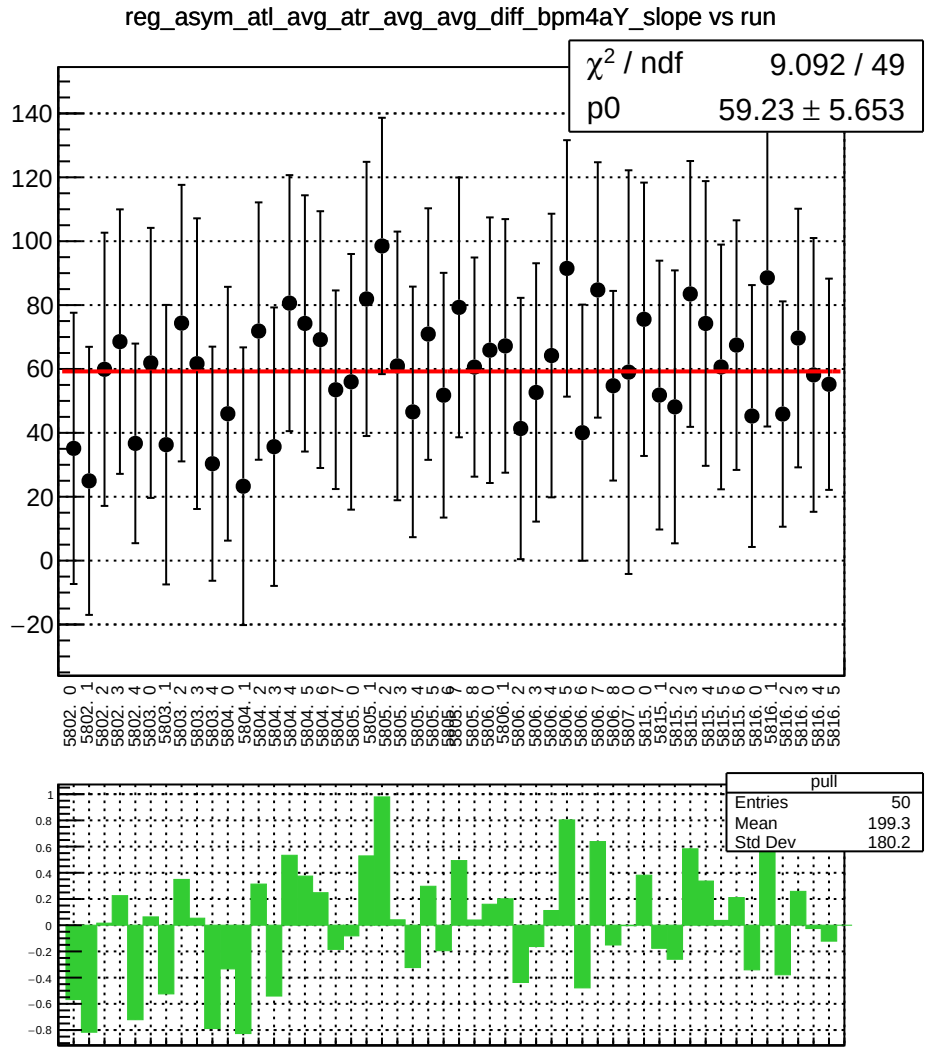

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.72 / 49
p0 −7.3 ± 2.956
pull
Entries 50
Mean −13.81
Std Dev 46.07

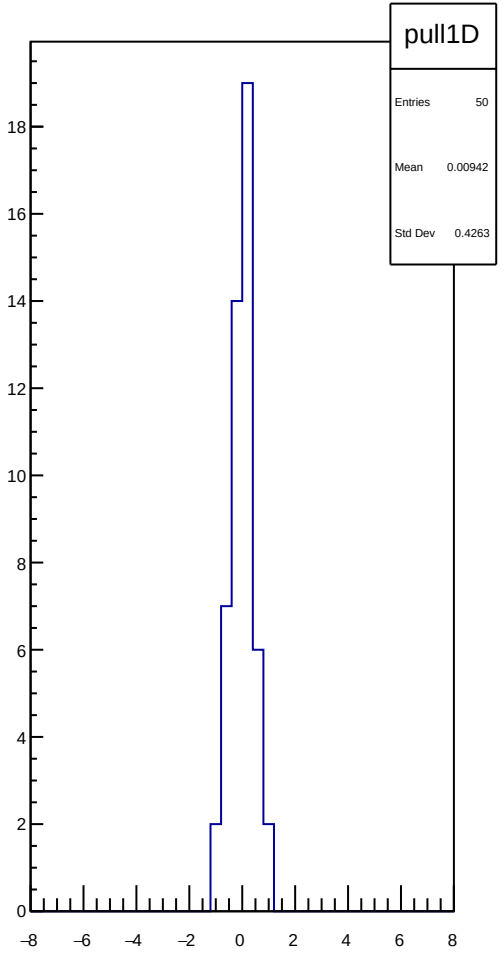

pull1D
Entries 50
Mean −0.0337
Std Dev 0.6879

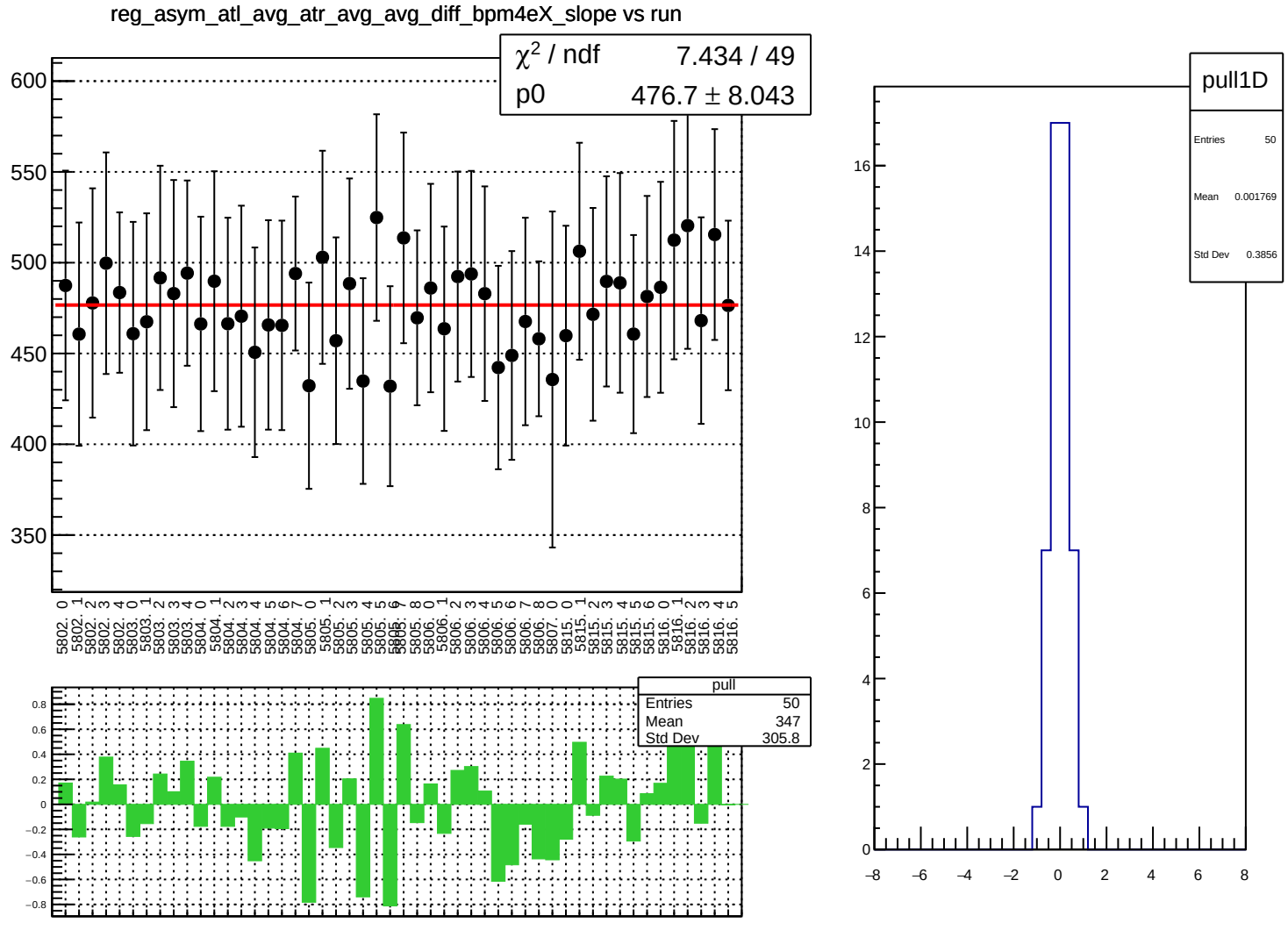

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 36.36 / 49
p0 −28.65 ± 0.1792
pull
Entries 50
Mean −1.2e+04
Std Dev 1.204e+04

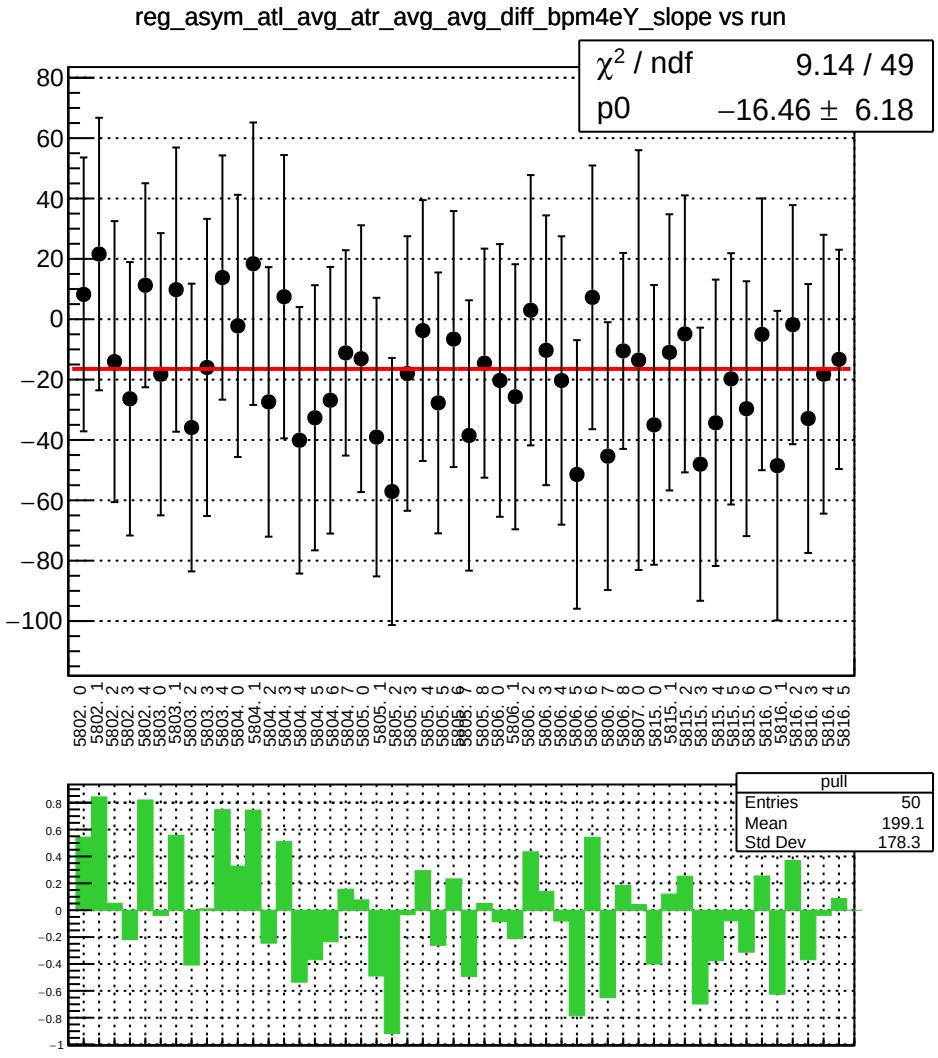

pull1D
Entries 50
Mean 0.0002402
Std Dev 0.8527

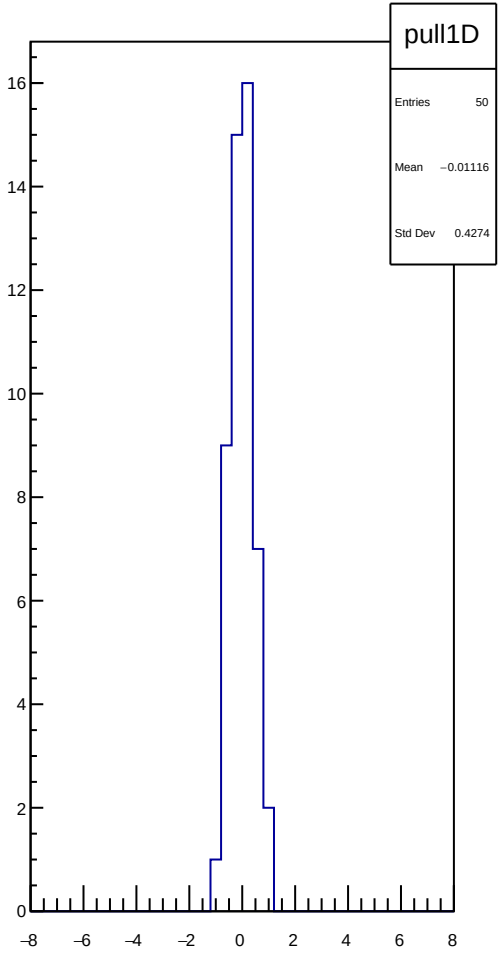

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.491 / 49
p0 −339.2 ± 6.315
pull
Entries 50
Mean 1564
Std Dev 1529
pull1D
Entries 50
Mean −0.0005509
Std Dev 0.3871

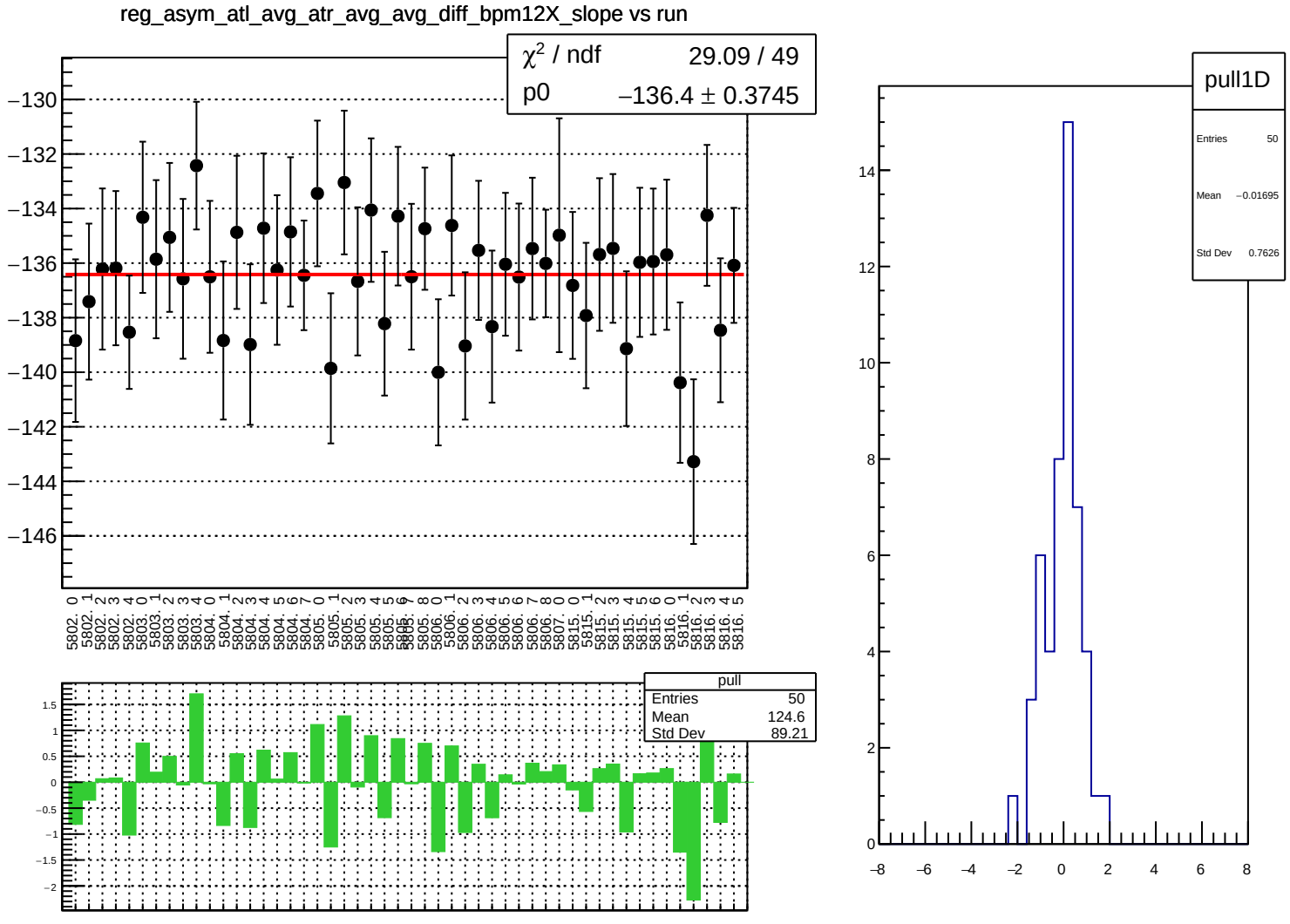

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.092 / 49
p0 59.23 ± 5.653
pull
Entries 50
Mean 199.3
Std Dev 180.2

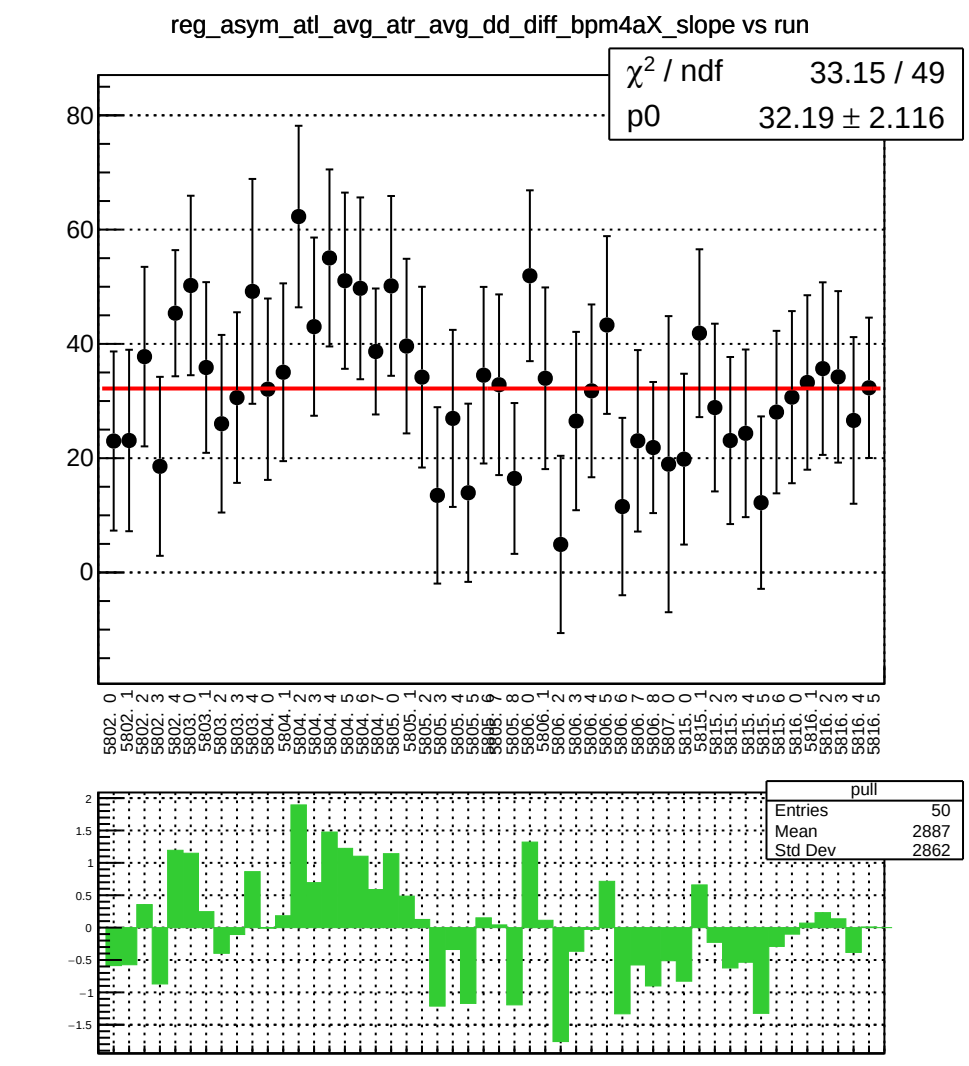

pull1D
Entries 50
Mean 0.00942
Std Dev 0.4263

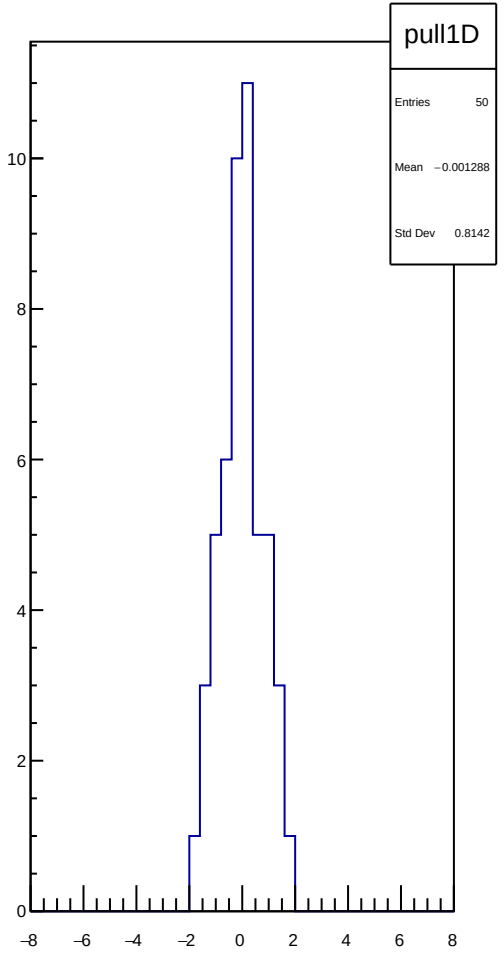

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.434 / 49
p0 476.7 ± 8.043
600
550
500
450
400
350
pull
Entries 50
Mean 347
Std Dev 305.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean 0.001769
Std Dev 0.3856
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

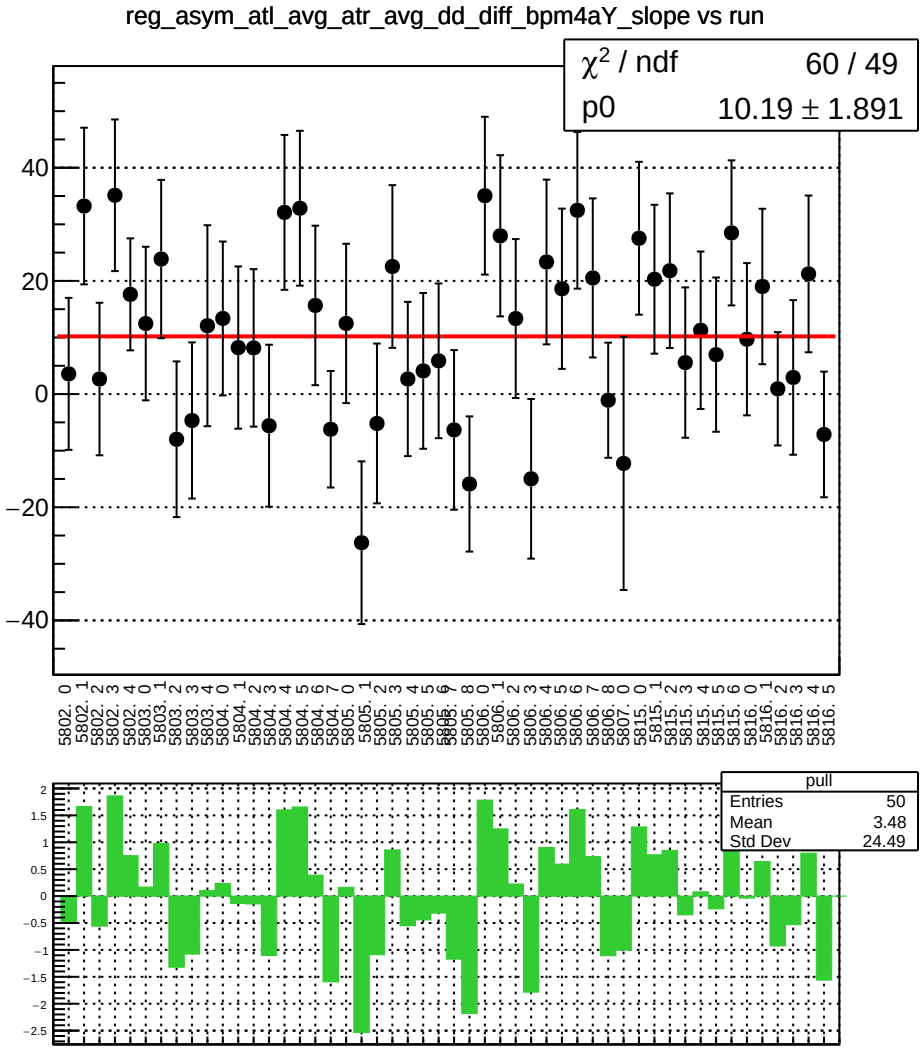

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.14 / 49
p0 −16.46 ± 6.18
pull
Entries 50
Mean 199.1
Std Dev 178.3

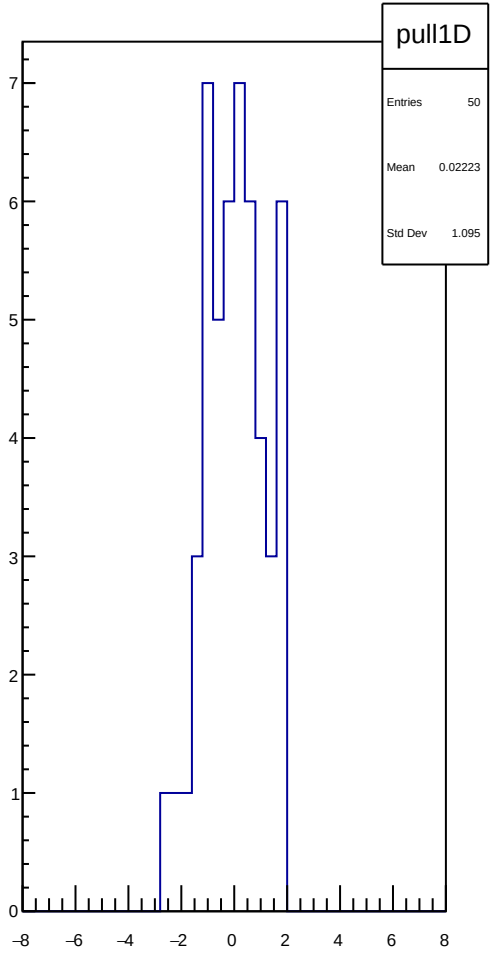

pull1D
Entries 50
Mean −0.01116
Std Dev 0.4274

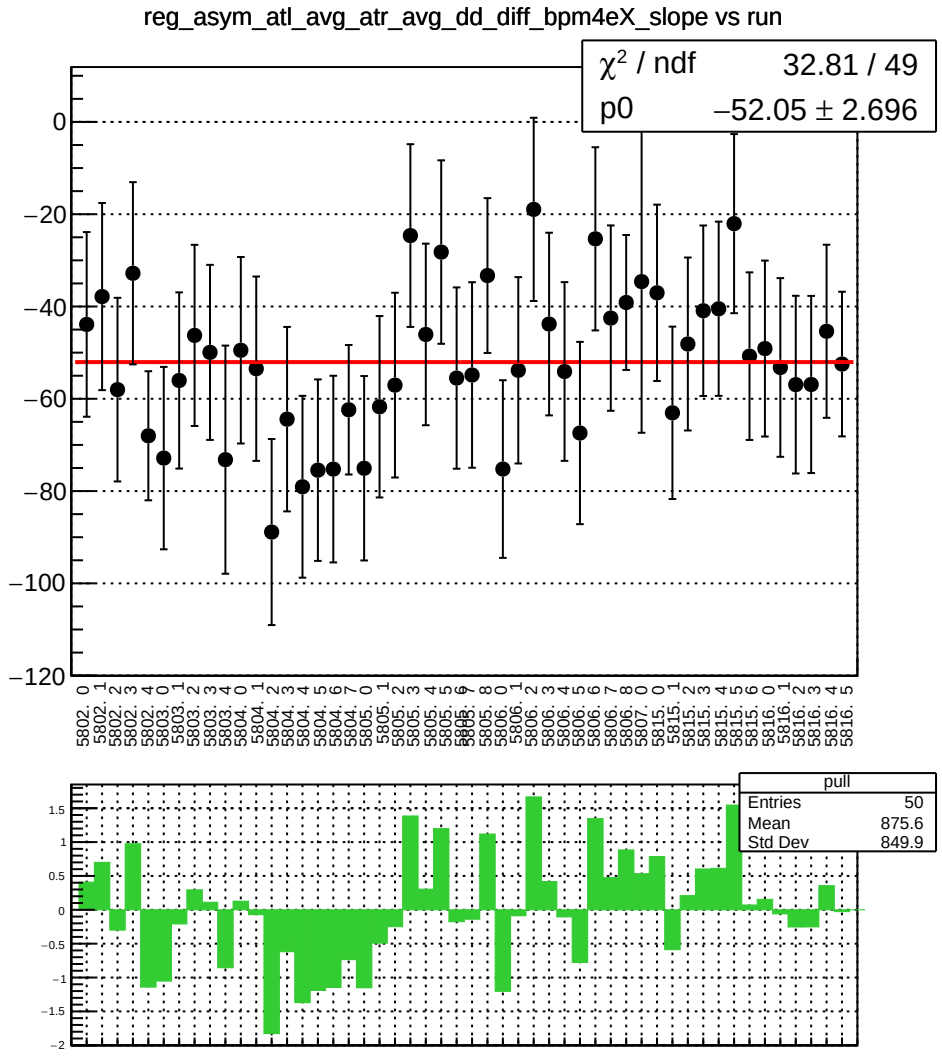

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 29.09 / 49
p0 −136.4 ± 0.3745
pull
Entries 50
Mean 124.6
Std Dev 89.21
pull1D
Entries 50
Mean −0.01695
Std Dev 0.7626

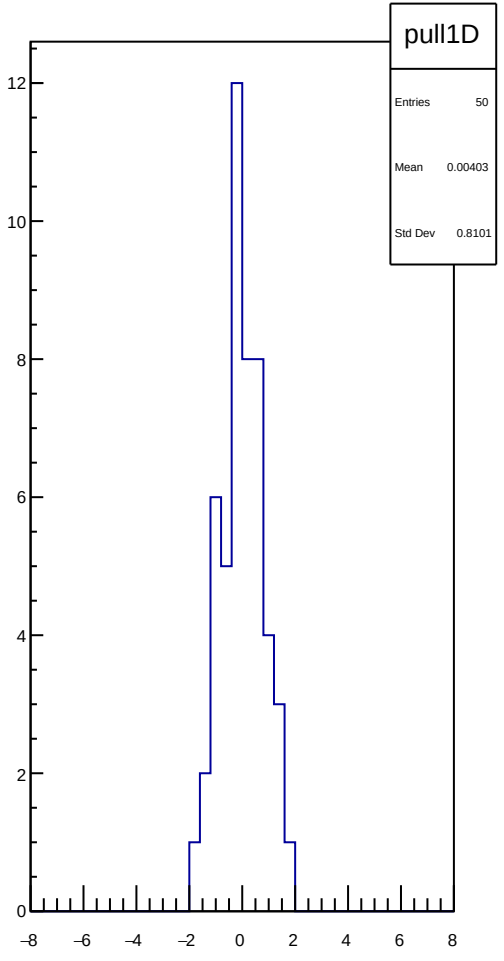

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 33.15 / 49
p0 32.19 ± 2.116
pull
Entries 50
Mean 2887
Std Dev 2862

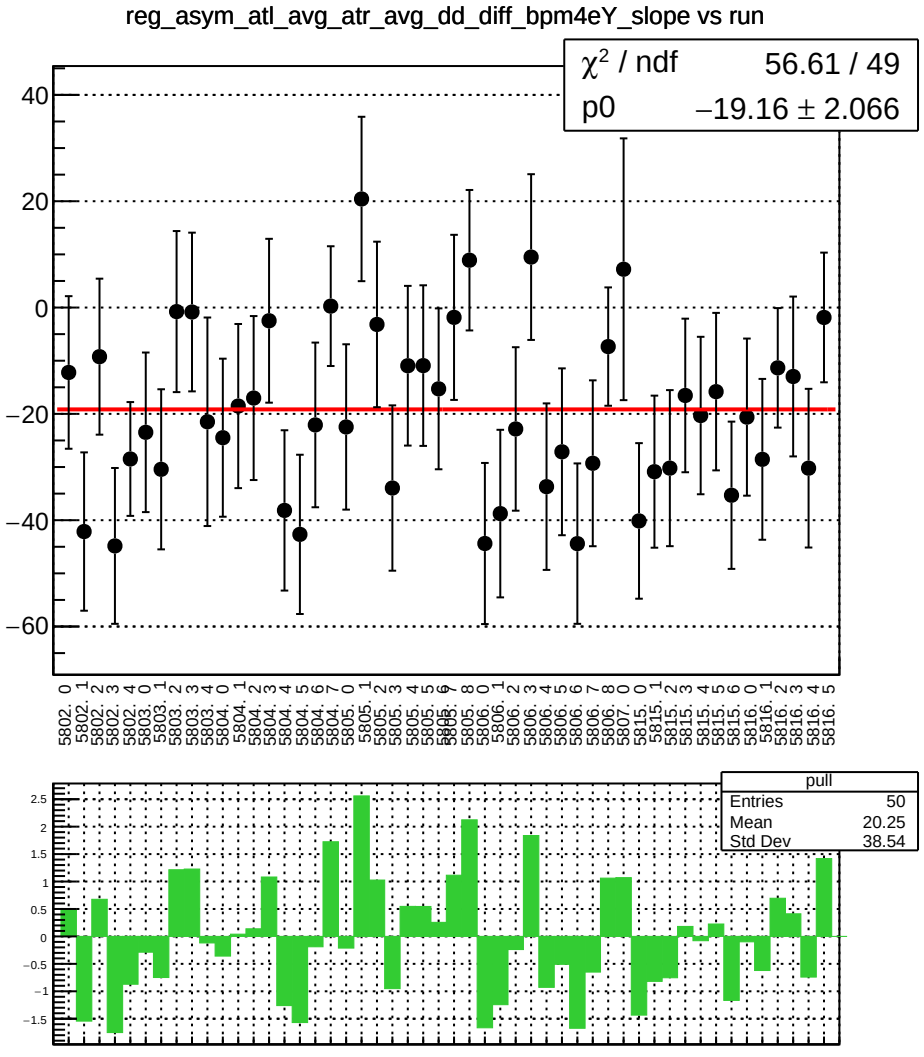

pull1D
Entries 50
Mean −0.001288
Std Dev 0.8142

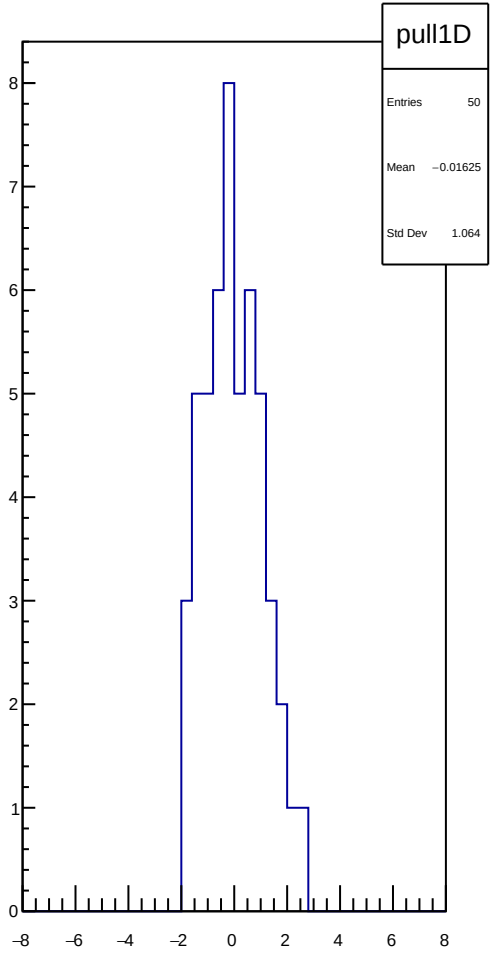

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 60 / 49
p0 10.19 ± 1.891
pull
Entries 50
Mean 3.48
Std Dev 24.49

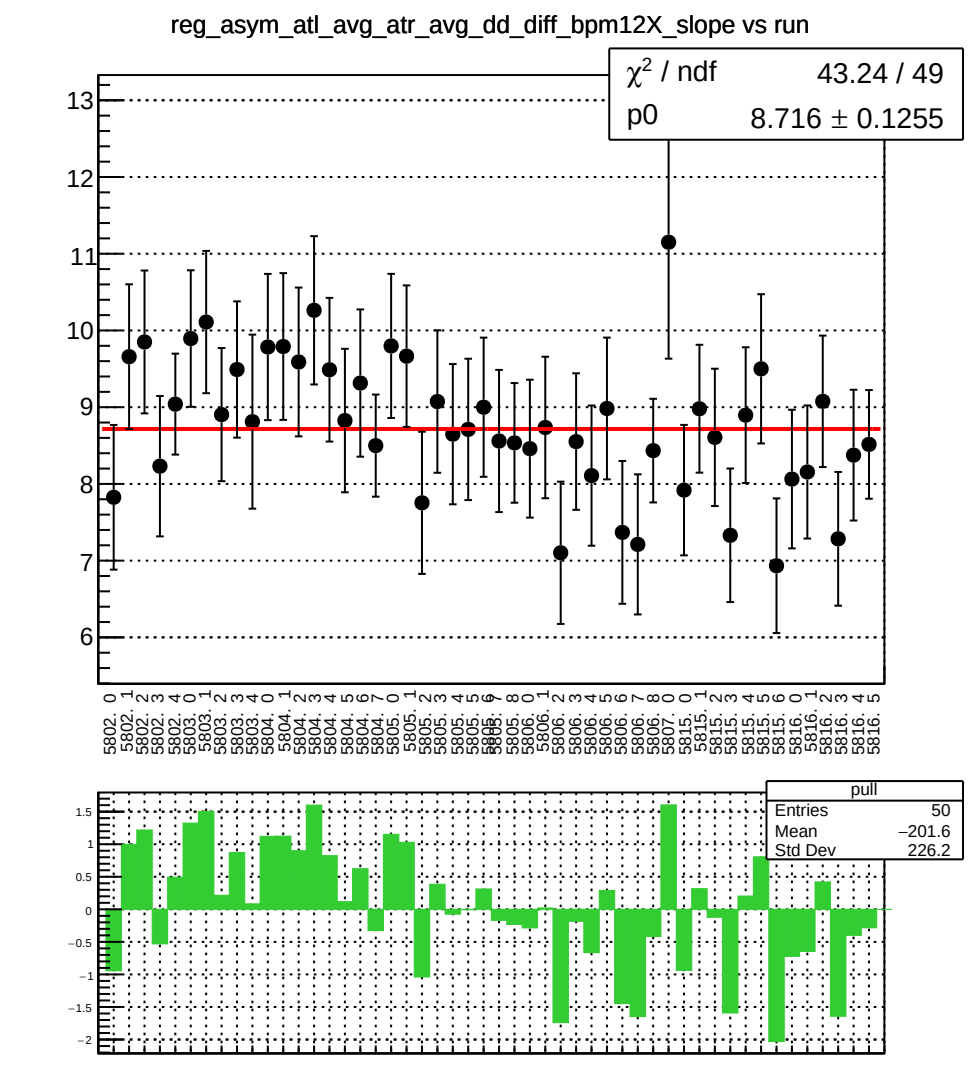

pull1D
Entries 50
Mean 0.02223
Std Dev 1.095

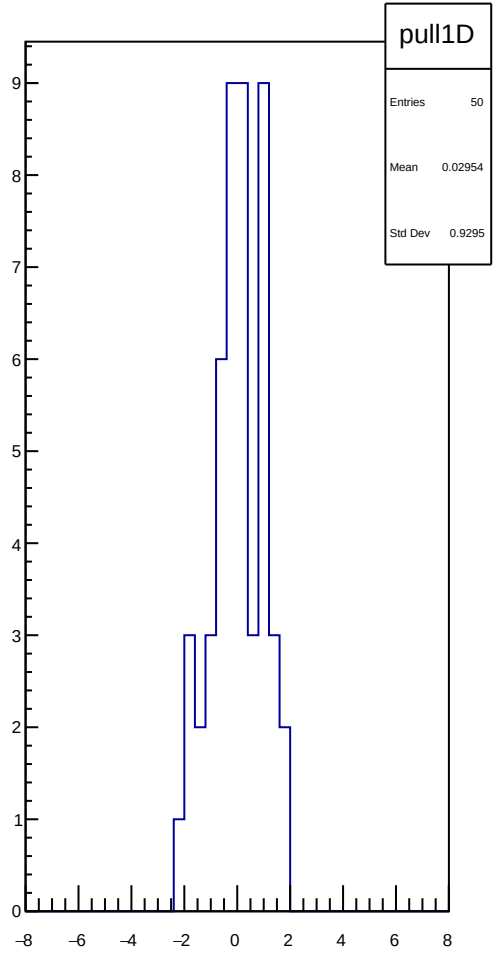

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.81 / 49
p0 −52.05 ± 2.696
pull
Entries 50
Mean 875.6
Std Dev 849.9

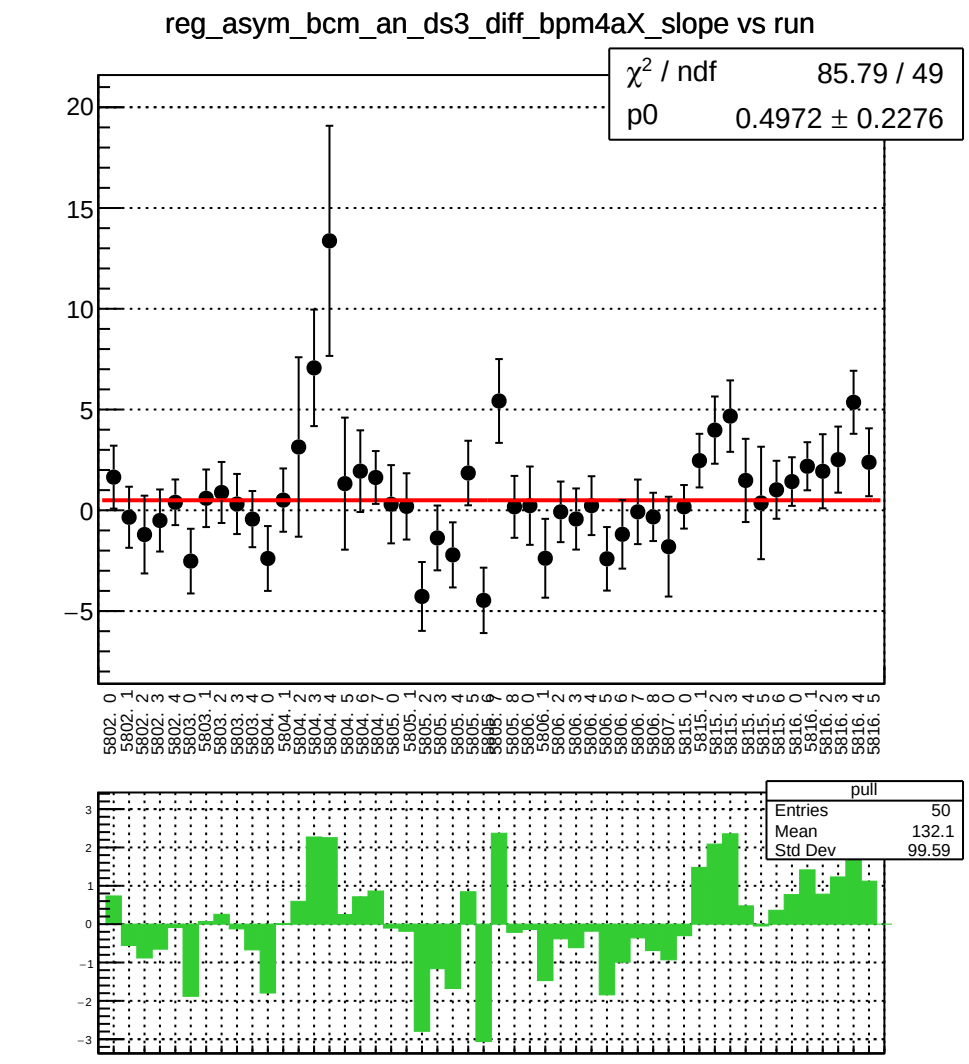

pull1D
Entries 50
Mean 0.00403
Std Dev 0.8101

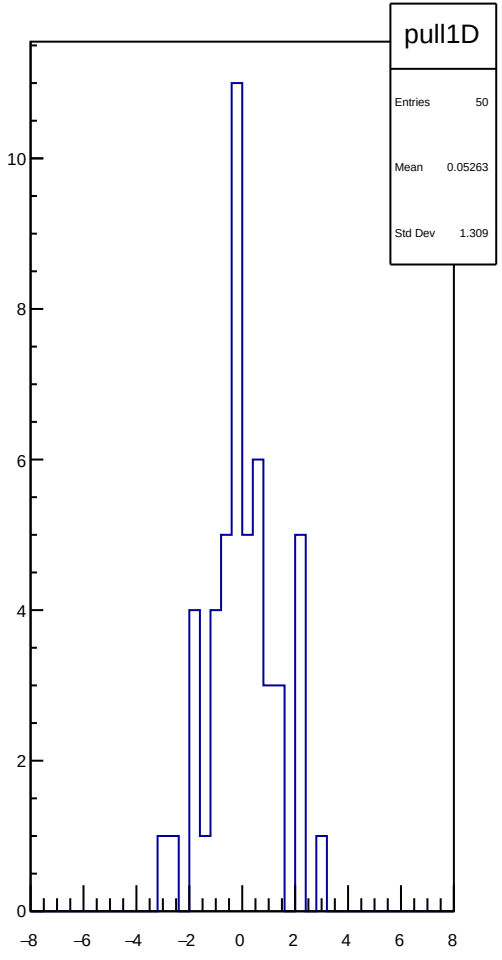

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.61 / 49
p0 −19.16 ± 2.066
pull
Entries 50
Mean 20.25
Std Dev 38.54

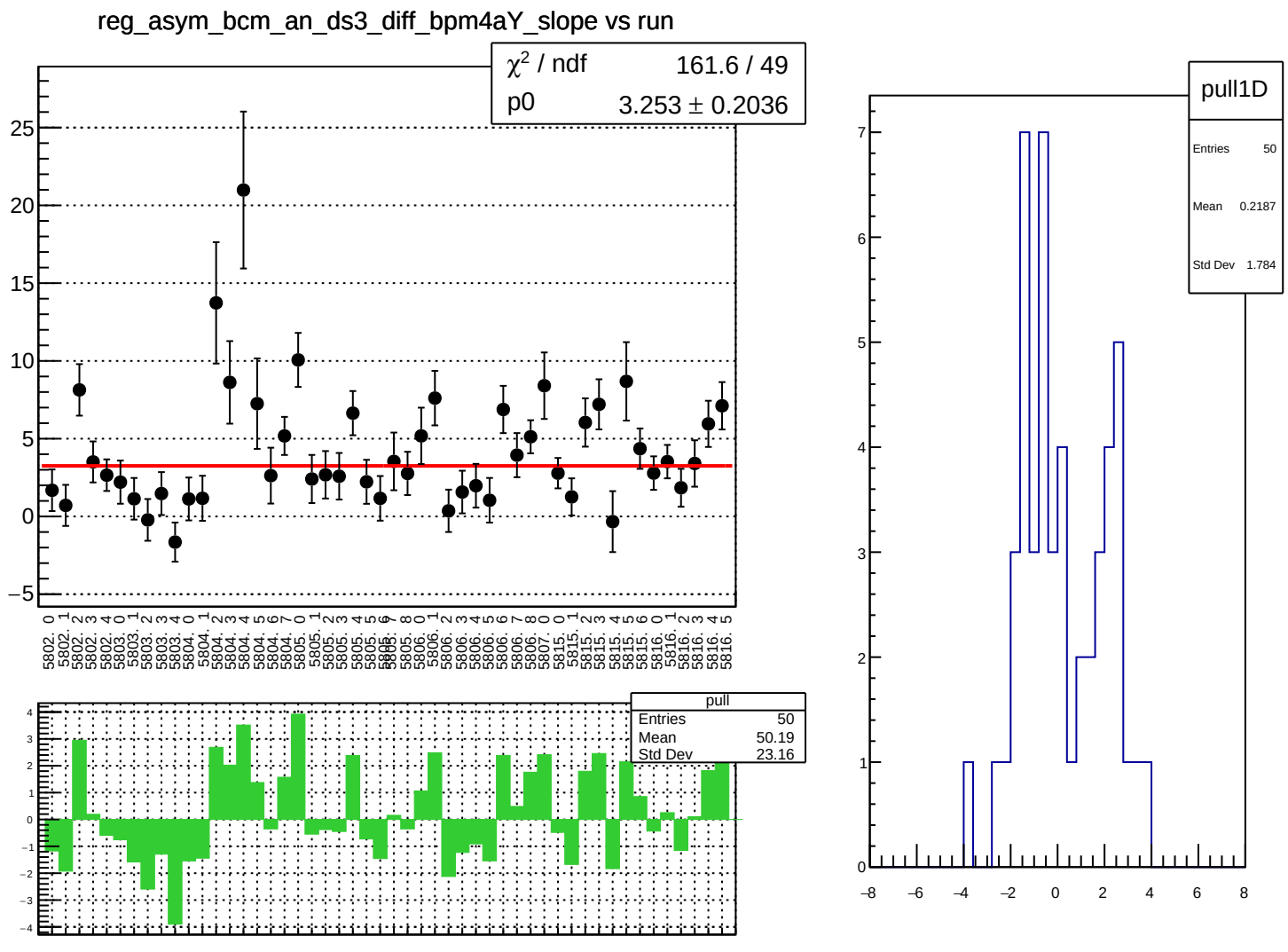

pull1D
Entries 50
Mean −0.01625
Std Dev 1.064

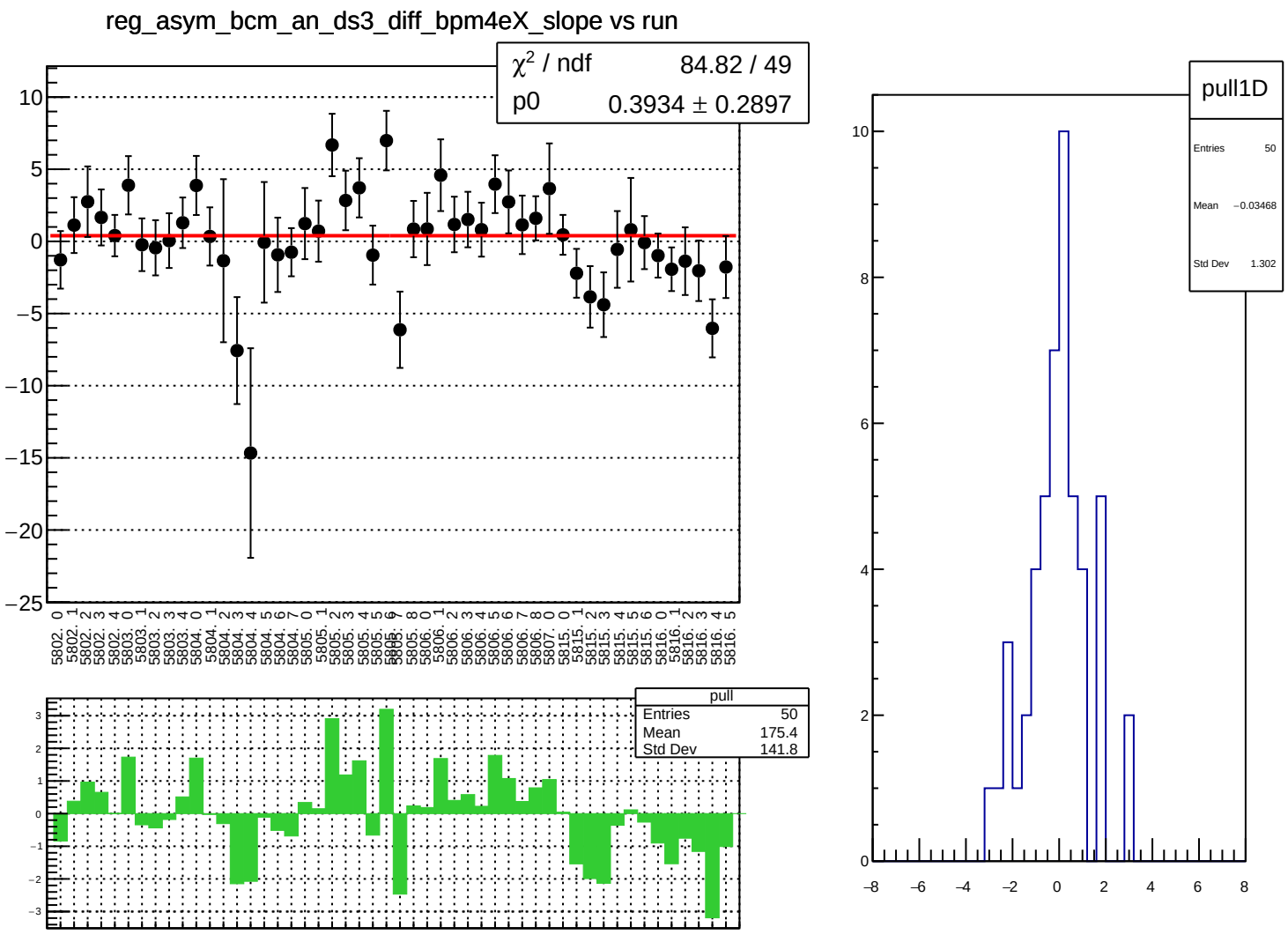

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 43.24 / 49
p0 8.716 ± 0.1255
pull
Entries 50
Mean −201.6
Std Dev 226.2

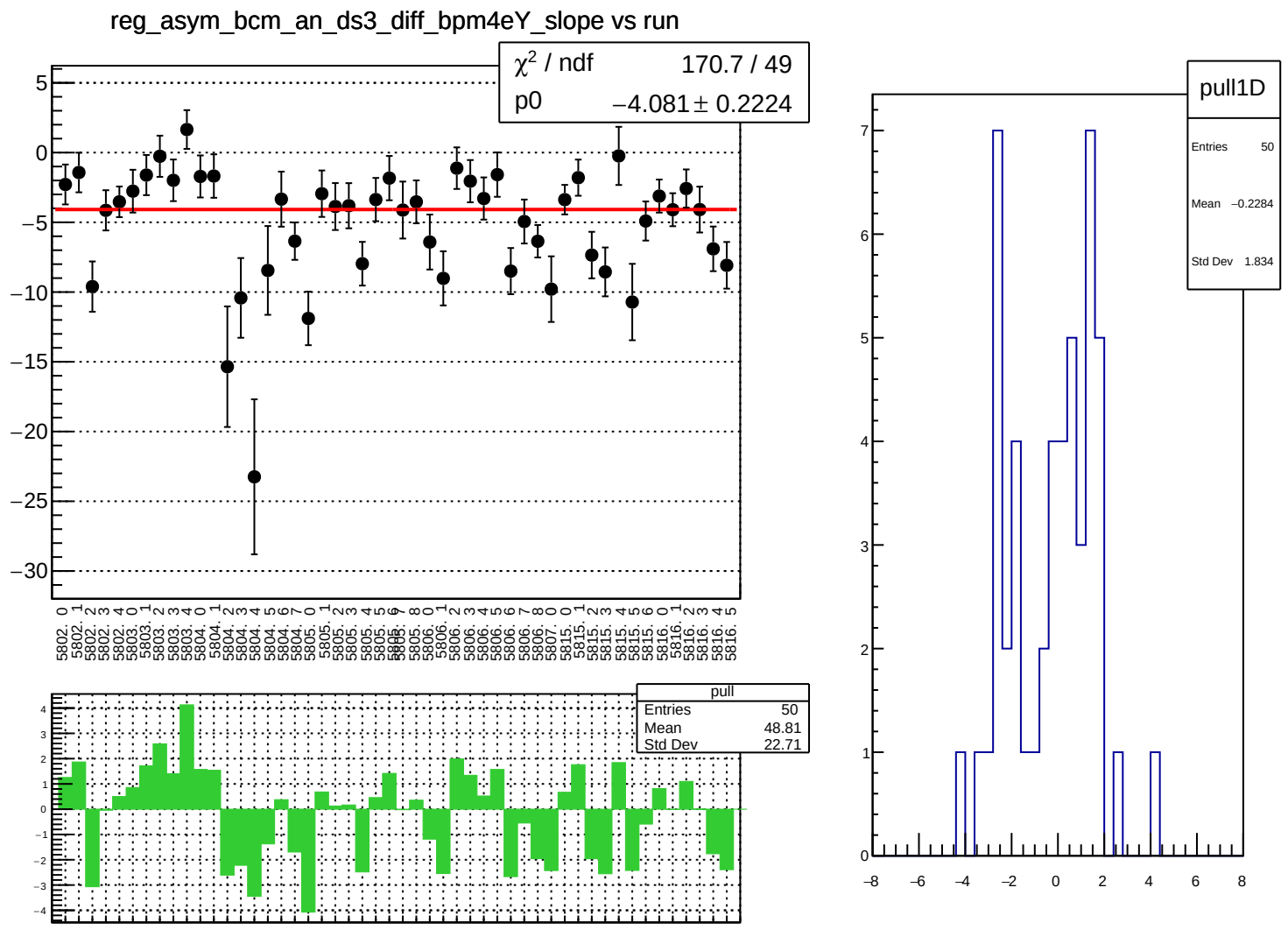

pull1D
Entries 50
Mean 0.02954
Std Dev 0.9295

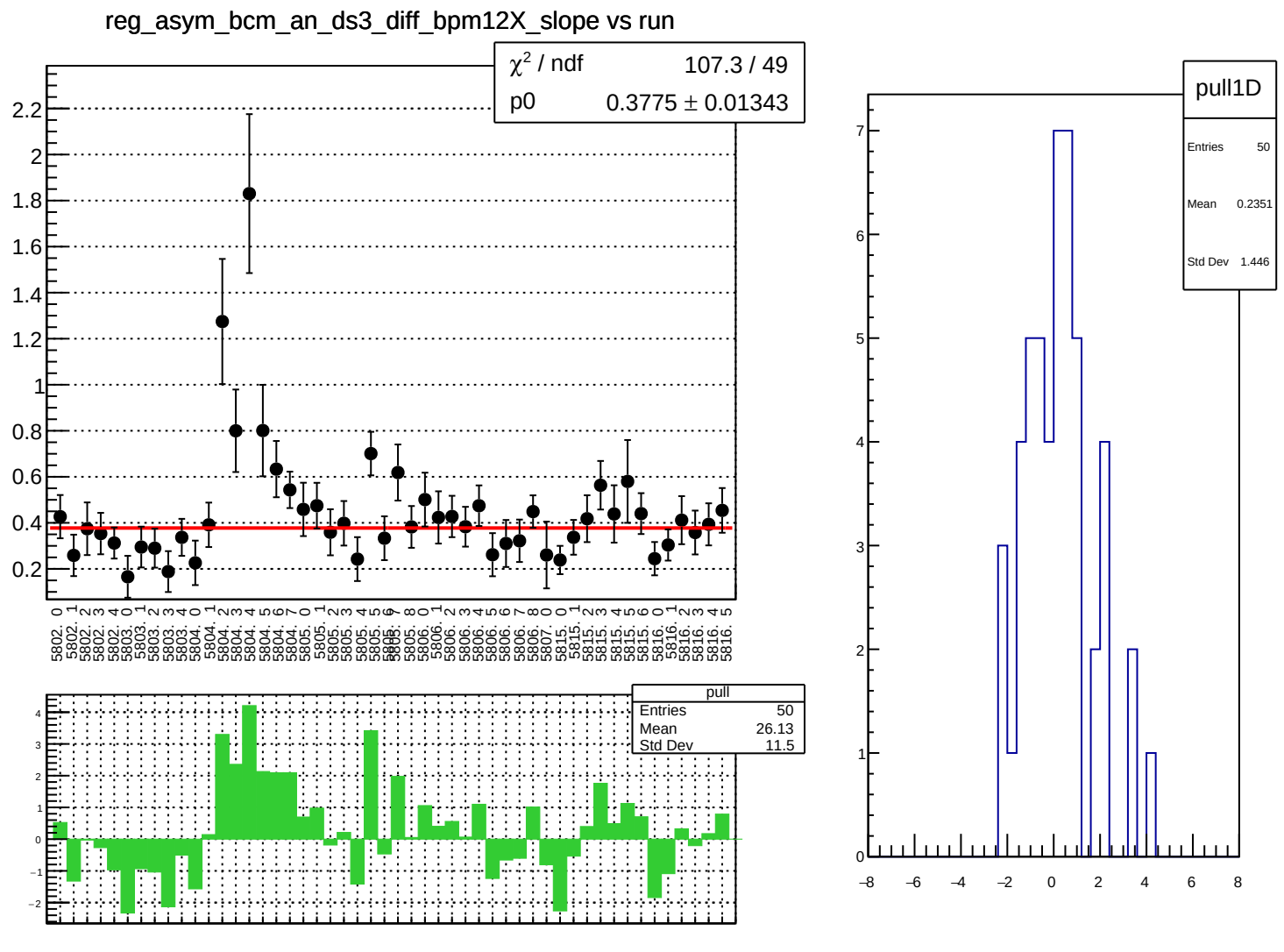

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 85.79 / 49
p0 0.4972 ± 0.2276
pull
Entries 50
Mean 132.1
Std Dev 99.59

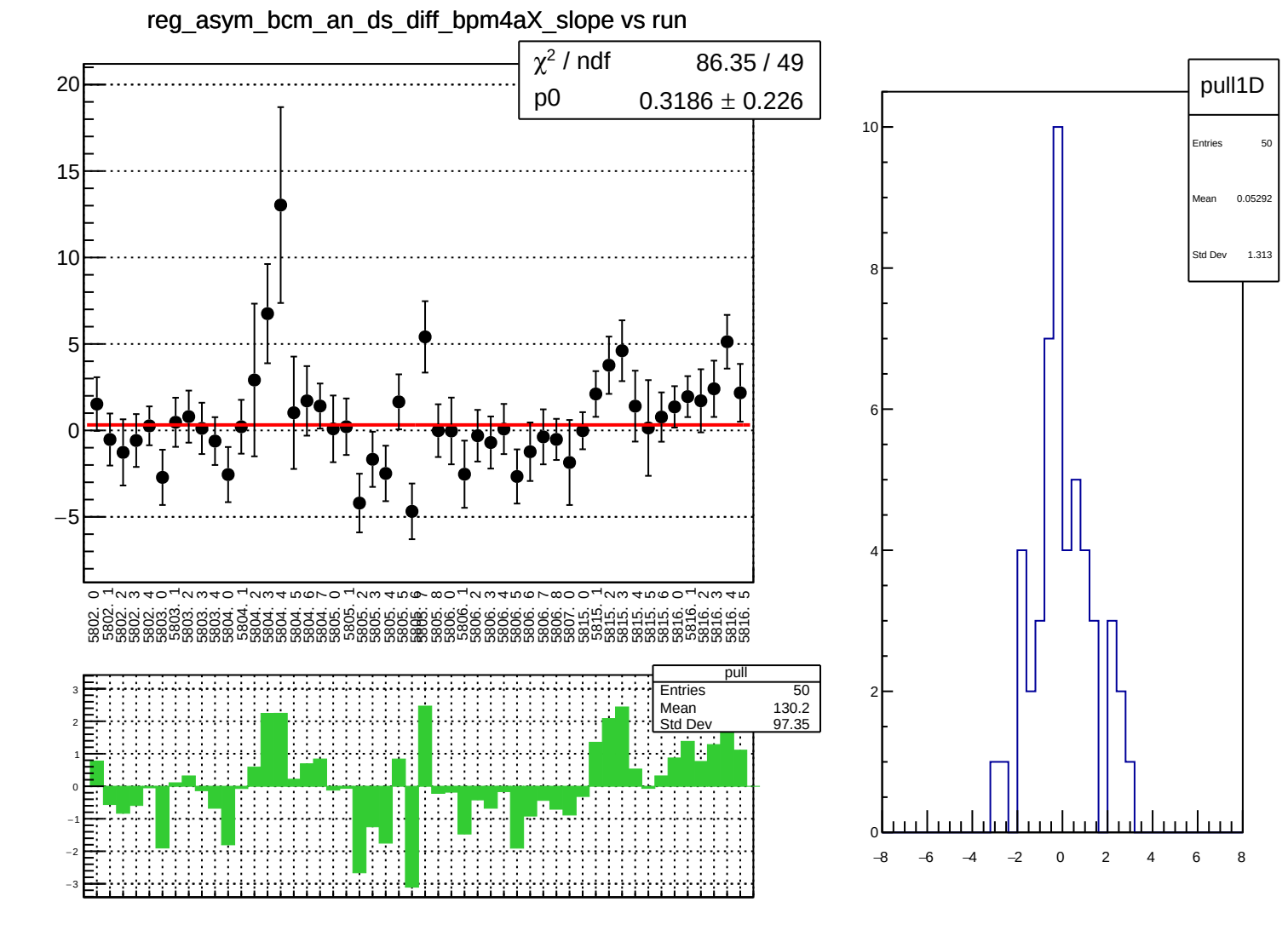

pull1D
Entries 50
Mean 0.05263
Std Dev 1.309

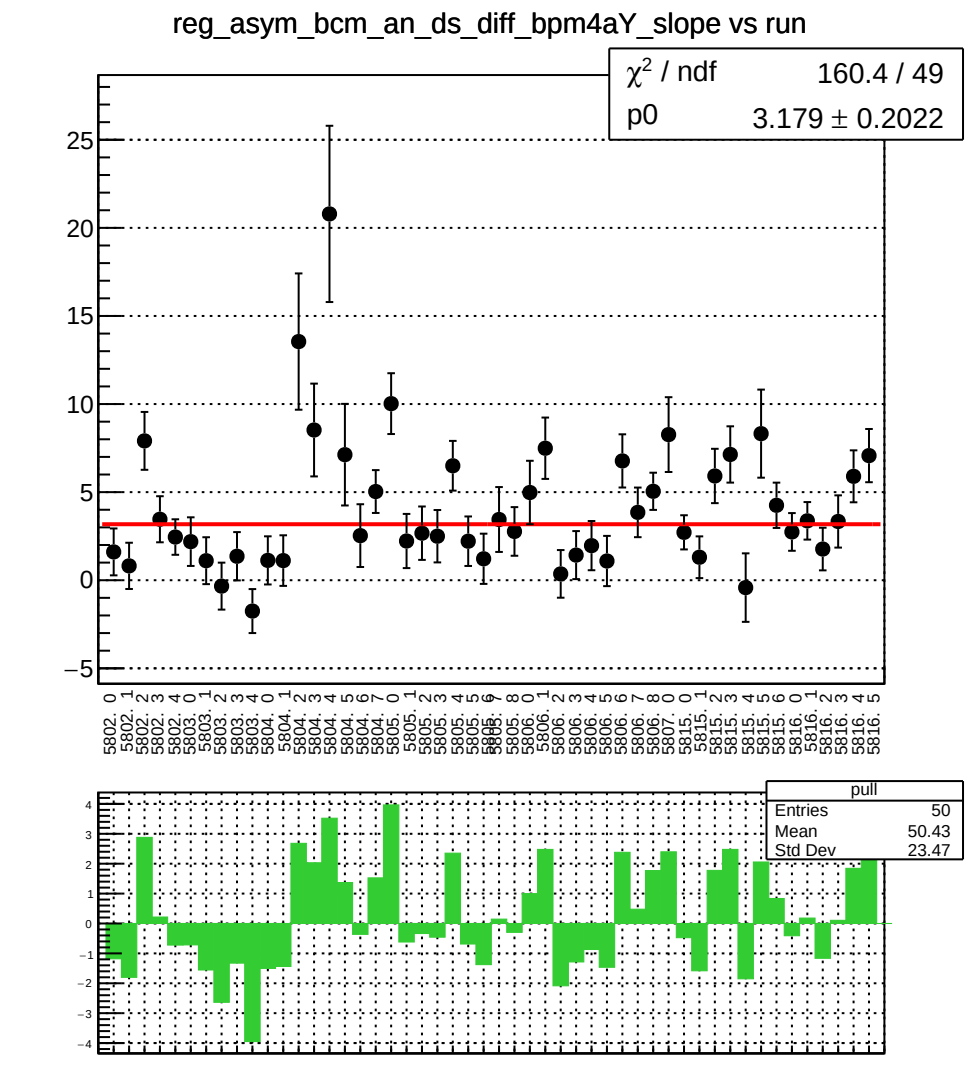

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 161.6 / 49
p0 3.253 ± 0.2036
pull
Entries 50
Mean 50.19
Std Dev 23.16
pull1D
Entries 50
Mean 0.2187
Std Dev 1.784

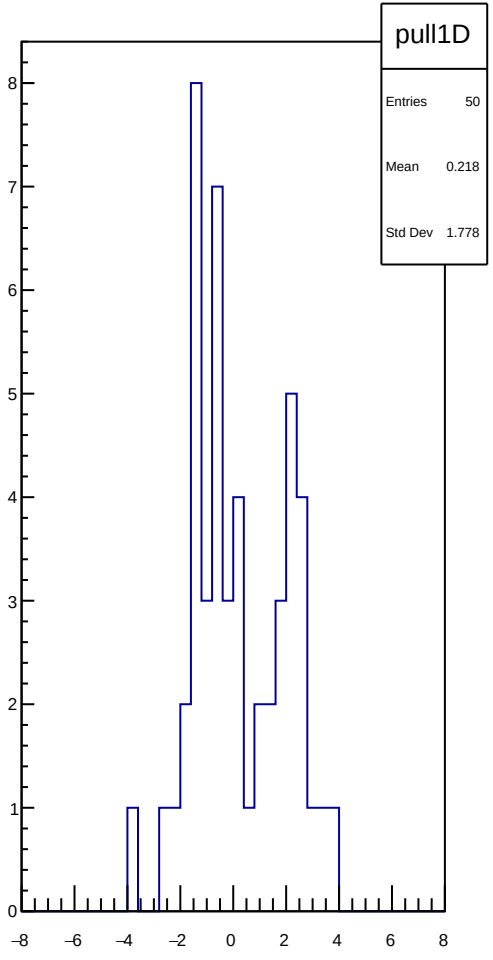

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 84.82 / 49
p0 0.3934 ± 0.2897
pull
Entries 50
Mean 175.4
Std Dev 141.8
pull1D
Entries 50
Mean −0.03468
Std Dev 1.302

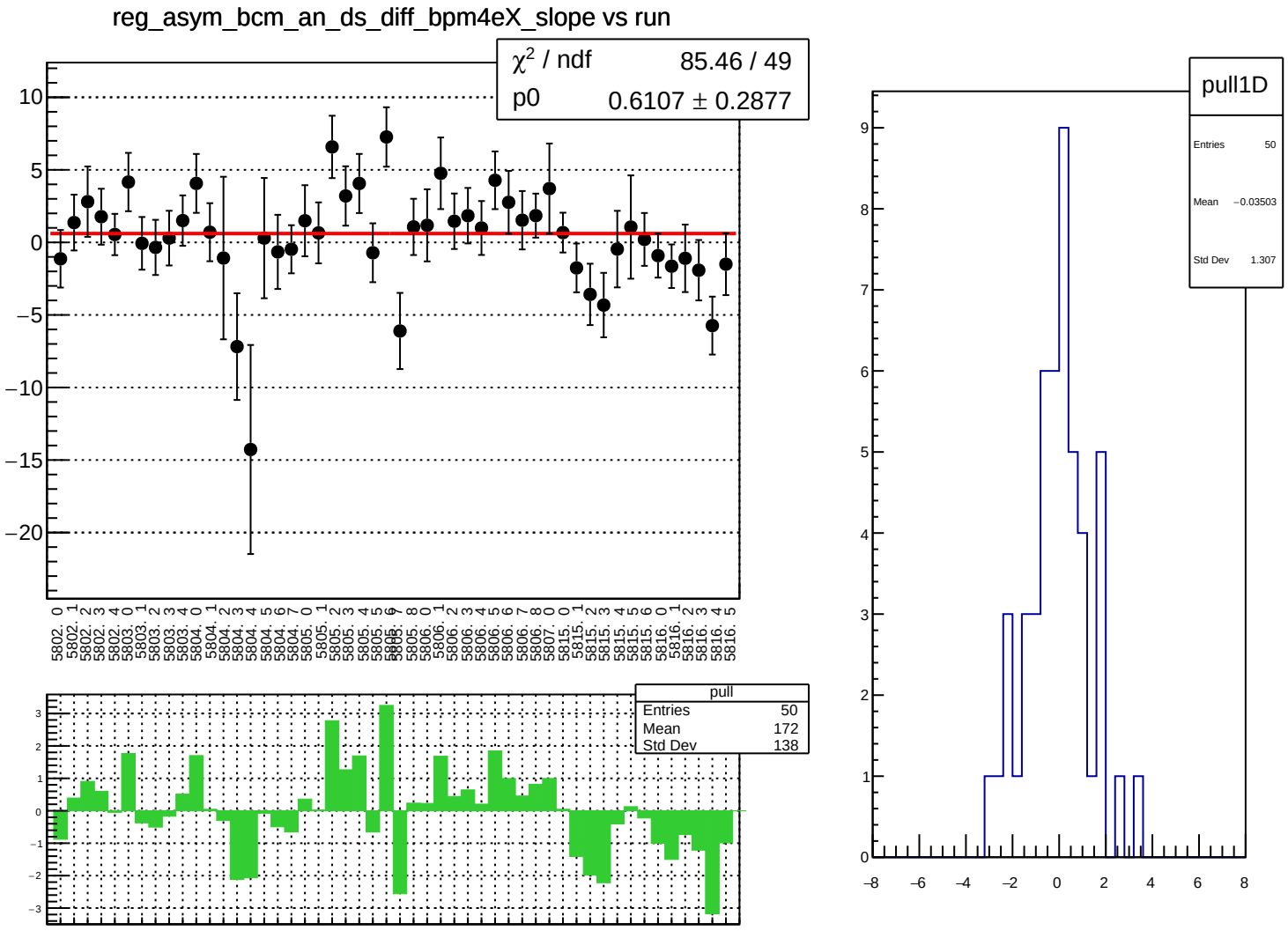

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 170.7 / 49
p0 −4.081 ± 0.2224
pull
Entries 50
Mean 48.81
Std Dev 22.71
pull1D
Entries 50
Mean −0.2284
Std Dev 1.834

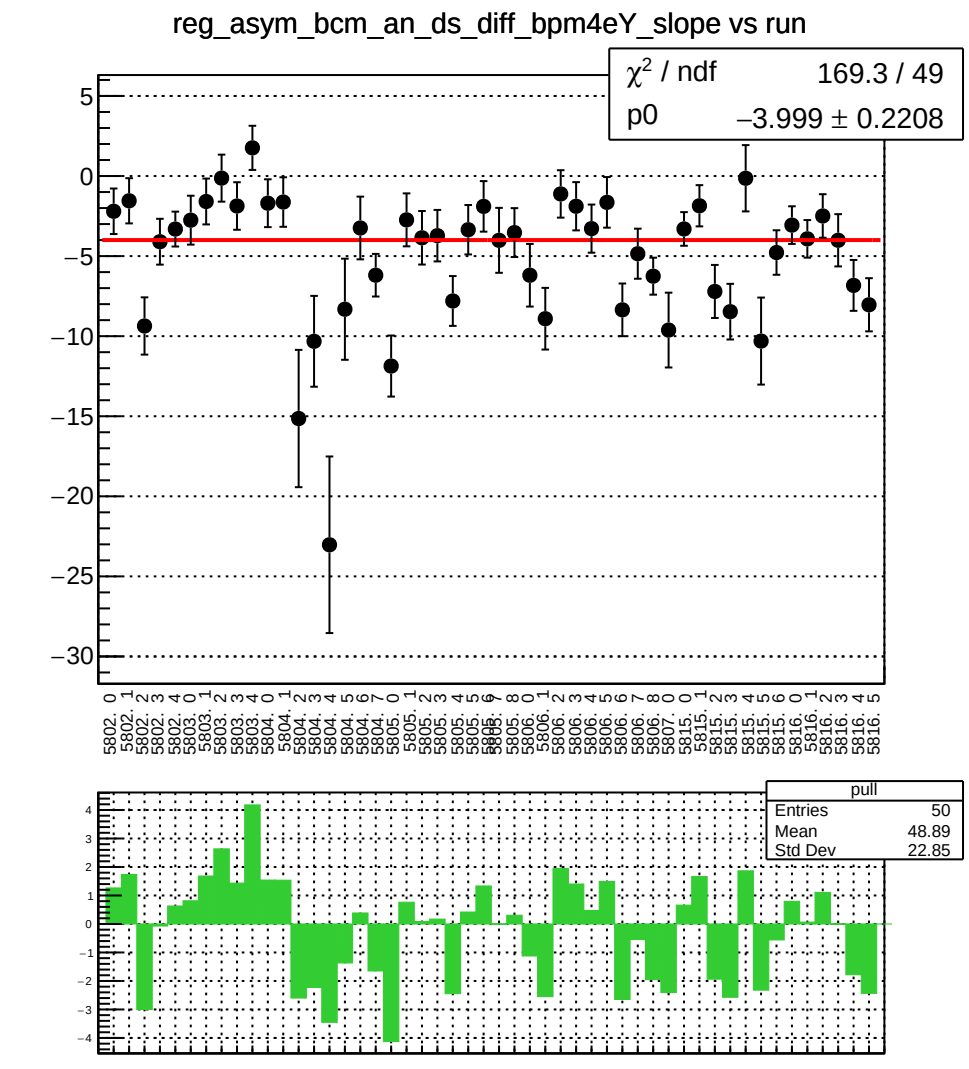

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 107.3 / 49
p0 0.3775 ± 0.01343
pull
Entries 50
Mean 26.13
Std Dev 11.5
pull1D
Entries 50
Mean 0.2351
Std Dev 1.446

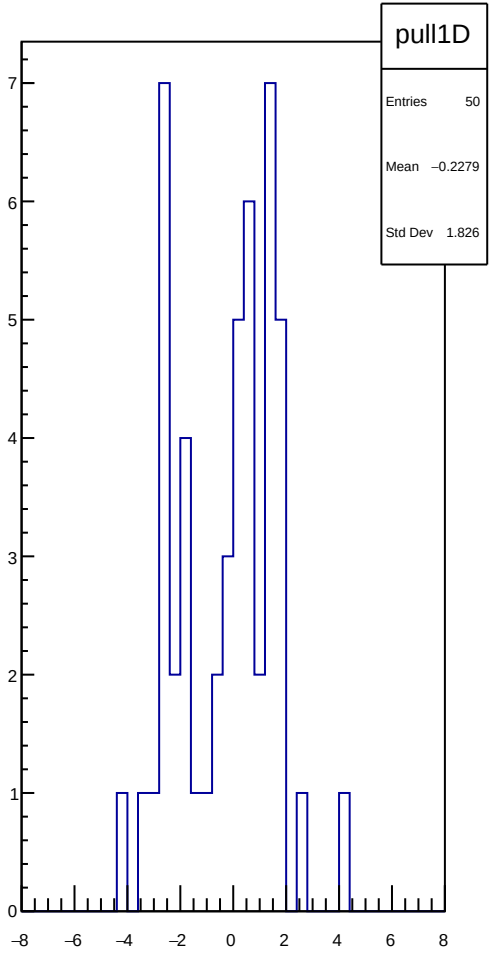

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 86.35 / 49
p0 0.3186 ± 0.226
pull
Entries 50
Mean 130.2
Std Dev 97.35
pull1D
Entries 50
Mean 0.05292
Std Dev 1.313

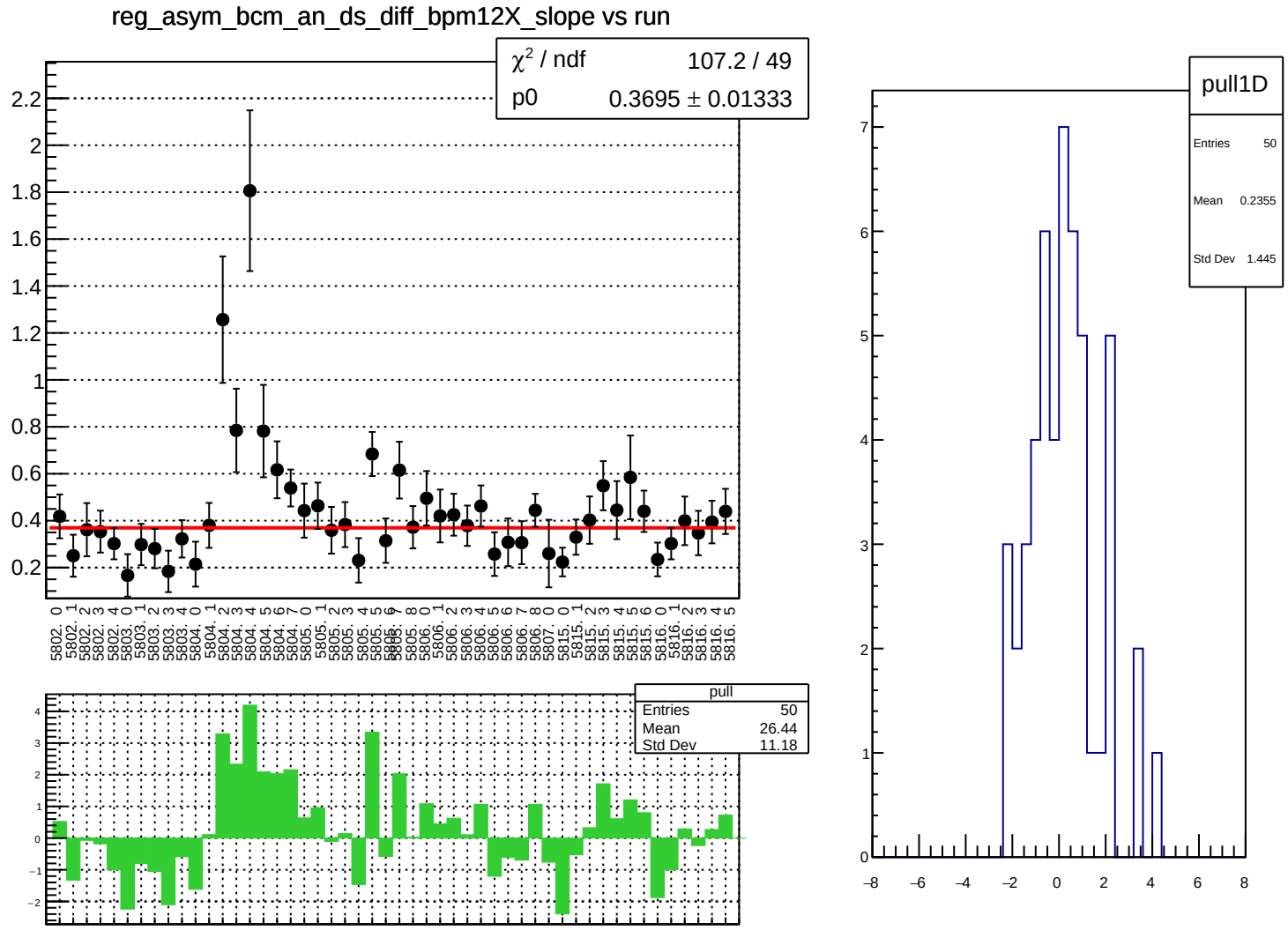

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 160.4 / 49
p0 3.179 ± 0.2022
pull
Entries 50
Mean 50.43
Std Dev 23.47

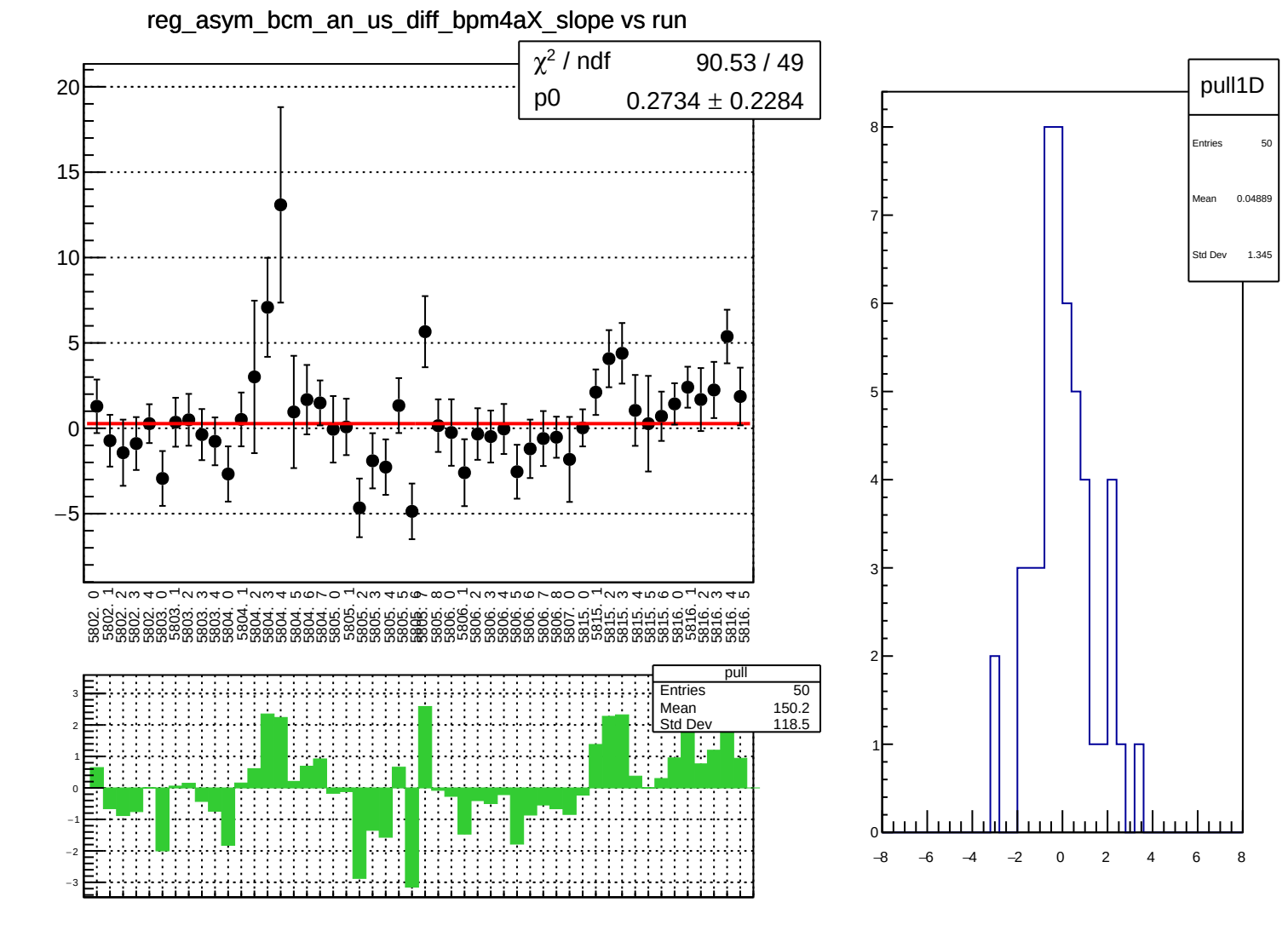

pull1D
Entries 50
Mean 0.218
Std Dev 1.778

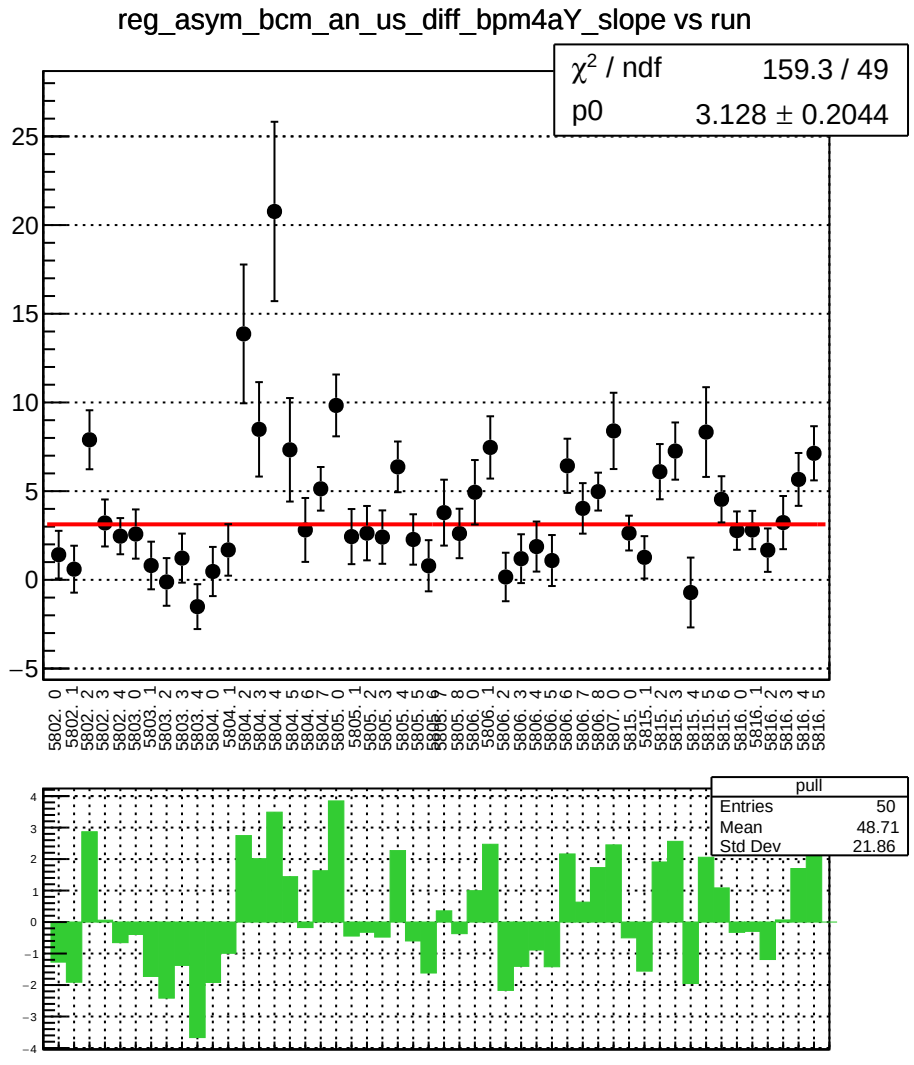

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 85.46 / 49
p0 0.6107 ± 0.2877
pull
Entries 50
Mean 172
Std Dev 138
pull1D
Entries 50
Mean −0.03503
Std Dev 1.307

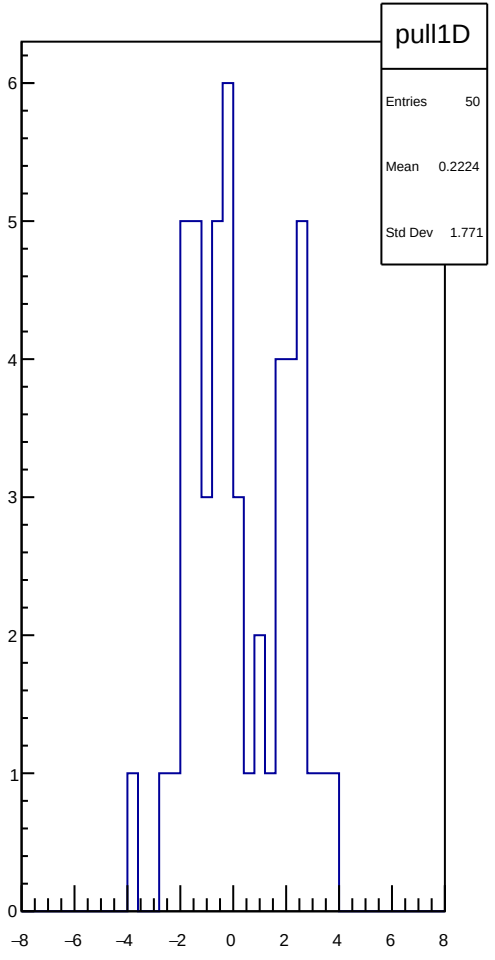

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 169.3 / 49
p0 −3.999 ± 0.2208
pull
Entries 50
Mean 48.89
Std Dev 22.85

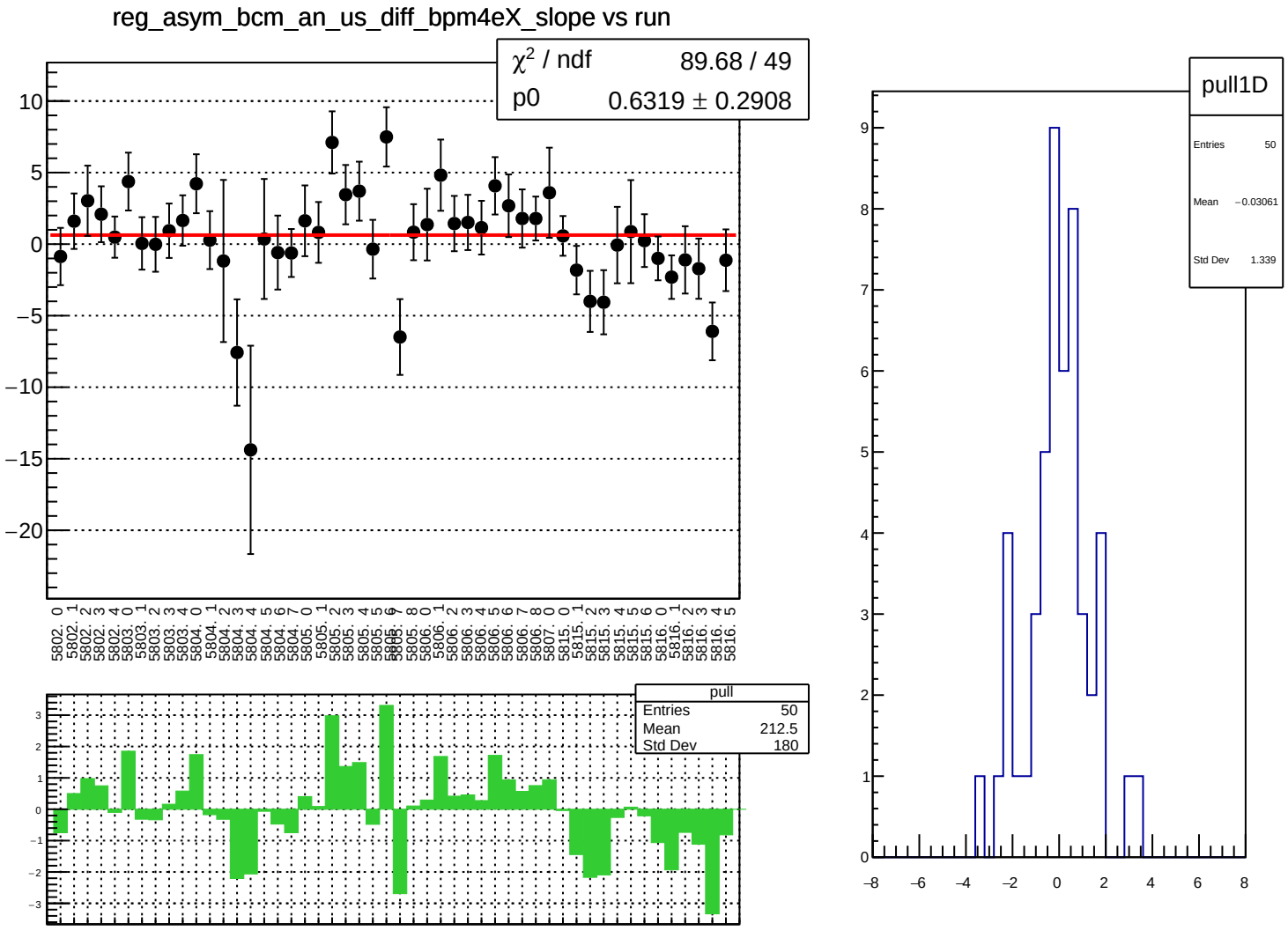

pull1D
Entries 50
Mean −0.2279
Std Dev 1.826

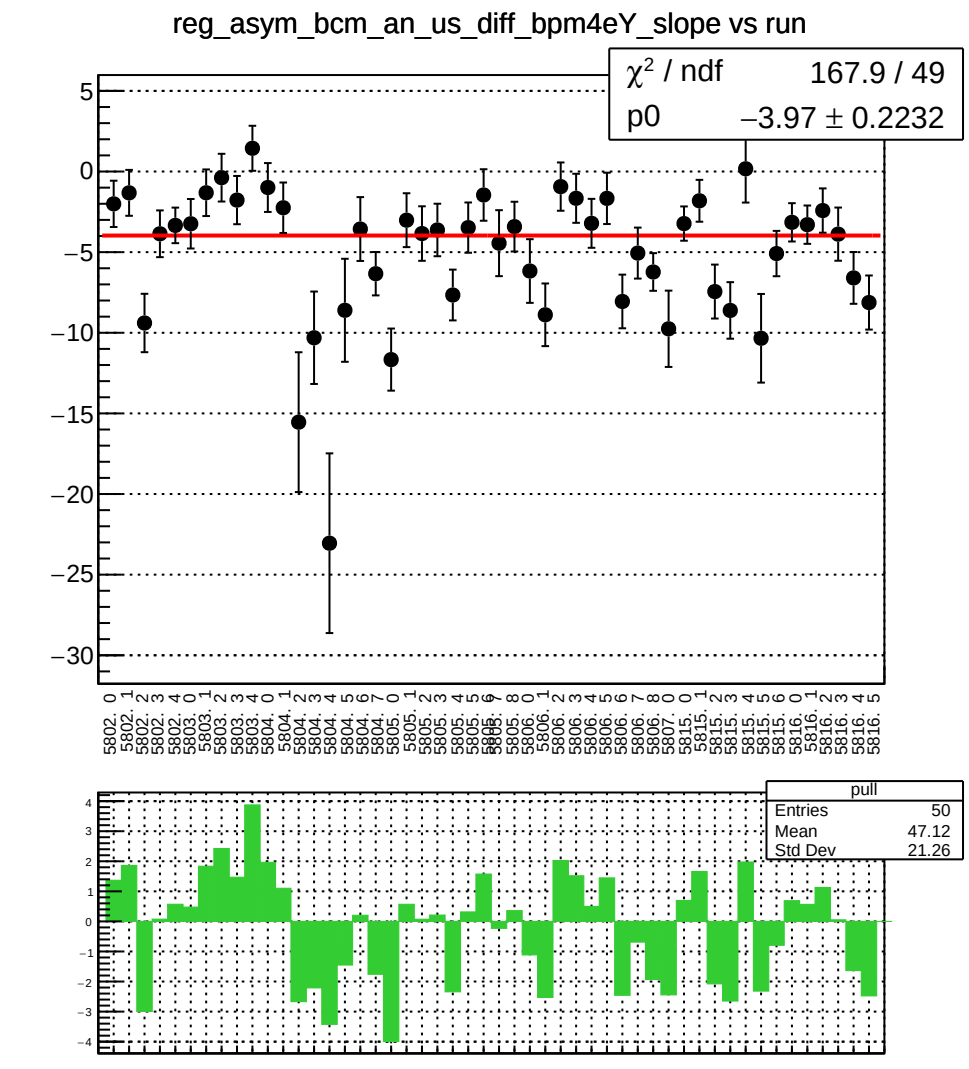

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 107.2 / 49
p0 0.3695 ± 0.01333
pull
Entries 50
Mean 26.44
Std Dev 11.18
pull1D
Entries 50
Mean 0.2355
Std Dev 1.445

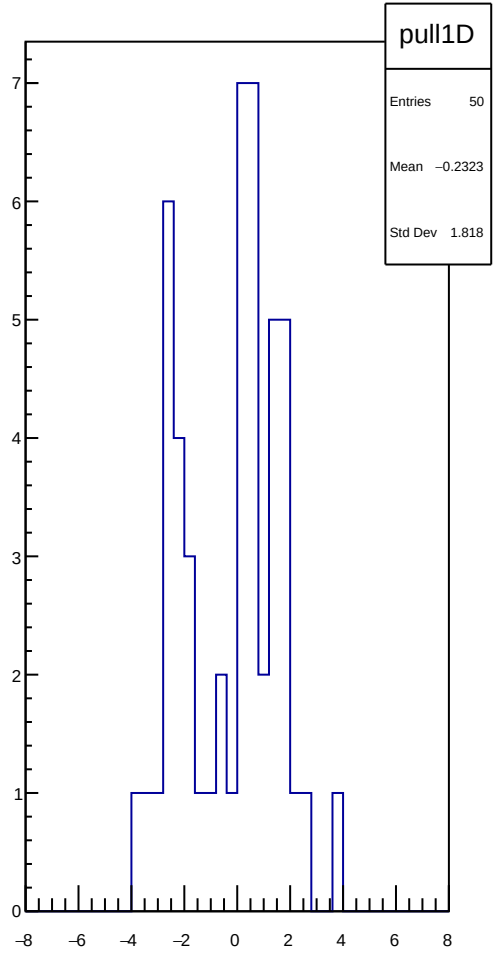

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 90.53 / 49
p0 0.2734 ± 0.2284
pull
Entries 50
Mean 150.2
Std Dev 118.5
pull1D
Entries 50
Mean 0.04889
Std Dev 1.345

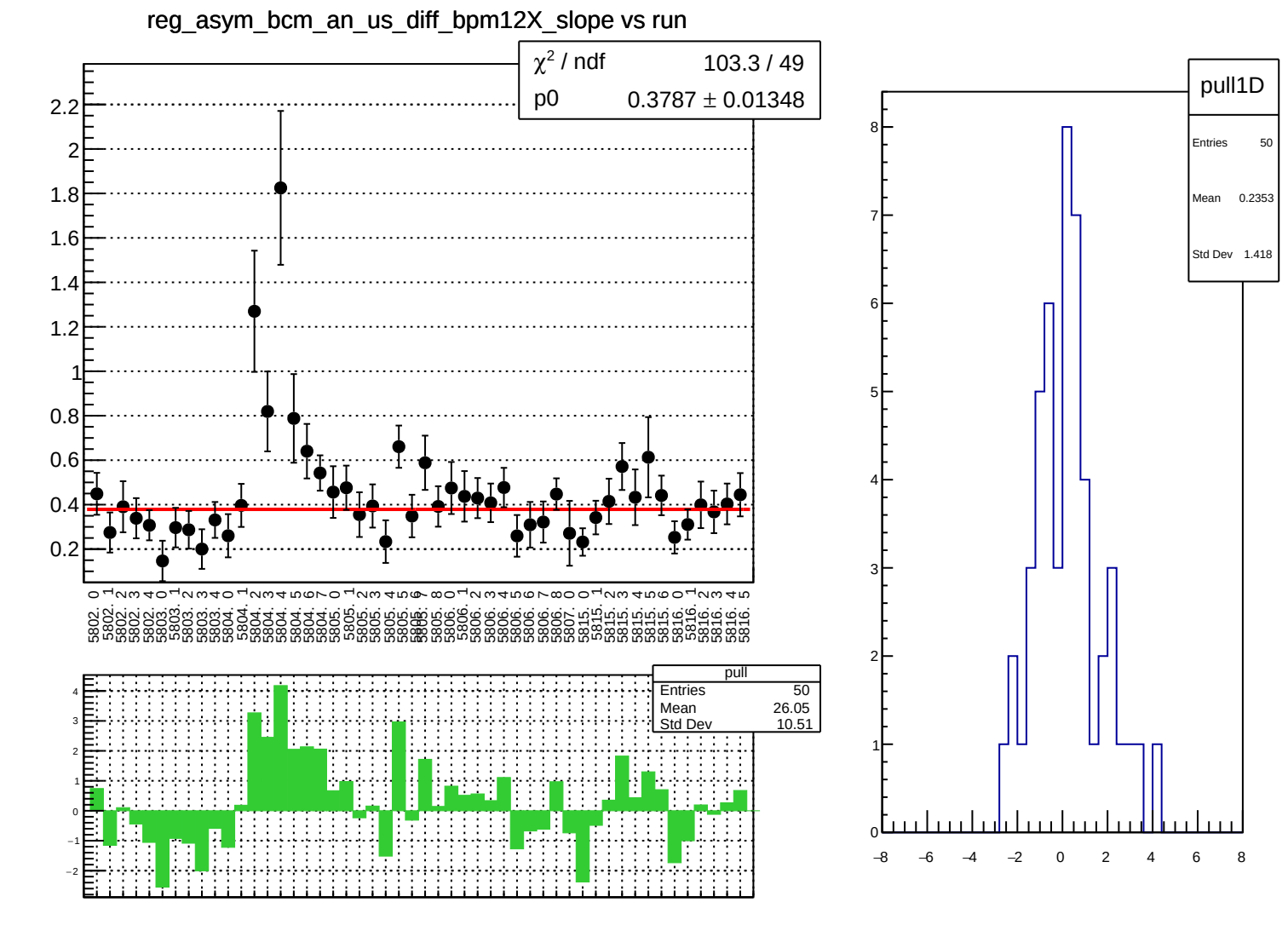

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 159.3 / 49
p0 3.128 ± 0.2044
pull
Entries 50
Mean 48.71
Std Dev 21.86

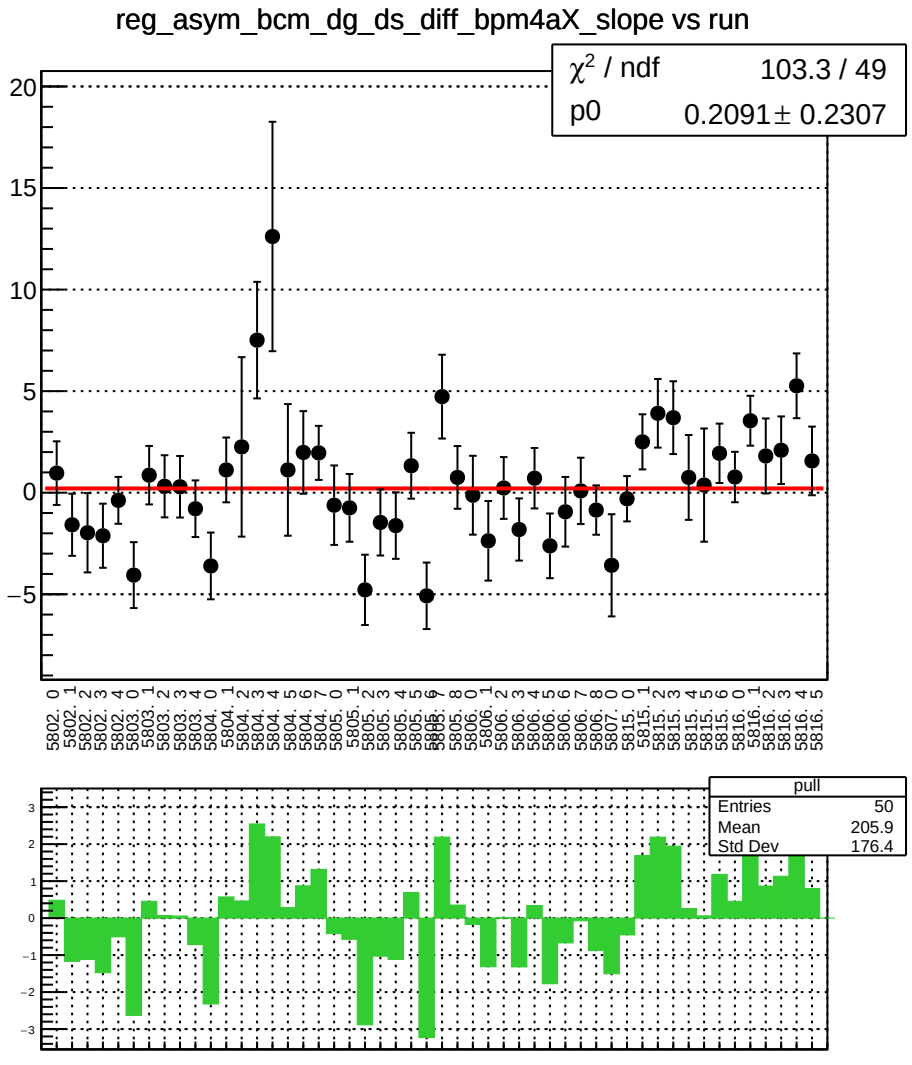

pull1D
Entries 50
Mean 0.2224
Std Dev 1.771

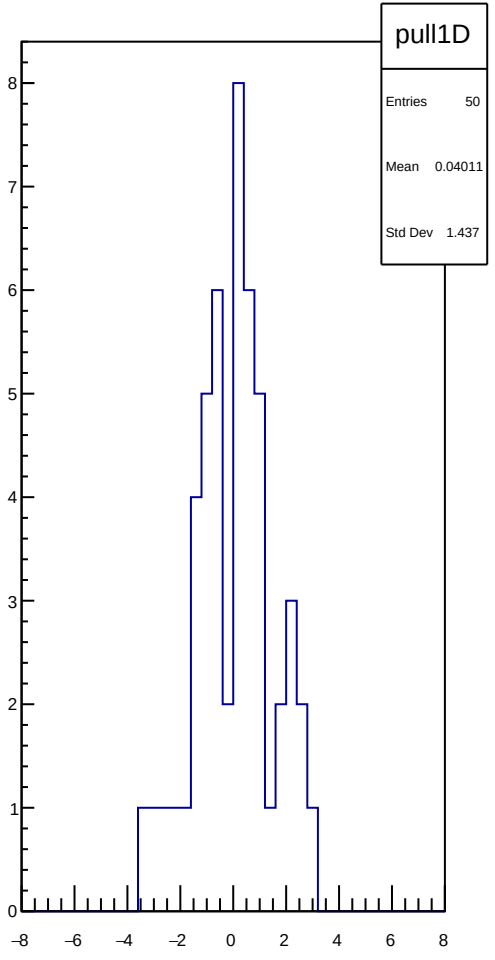

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 89.68 / 49
p0 0.6319 ± 0.2908
pull
Entries 50
Mean 212.5
Std Dev 180
pull1D
Entries 50
Mean −0.03061
Std Dev 1.339

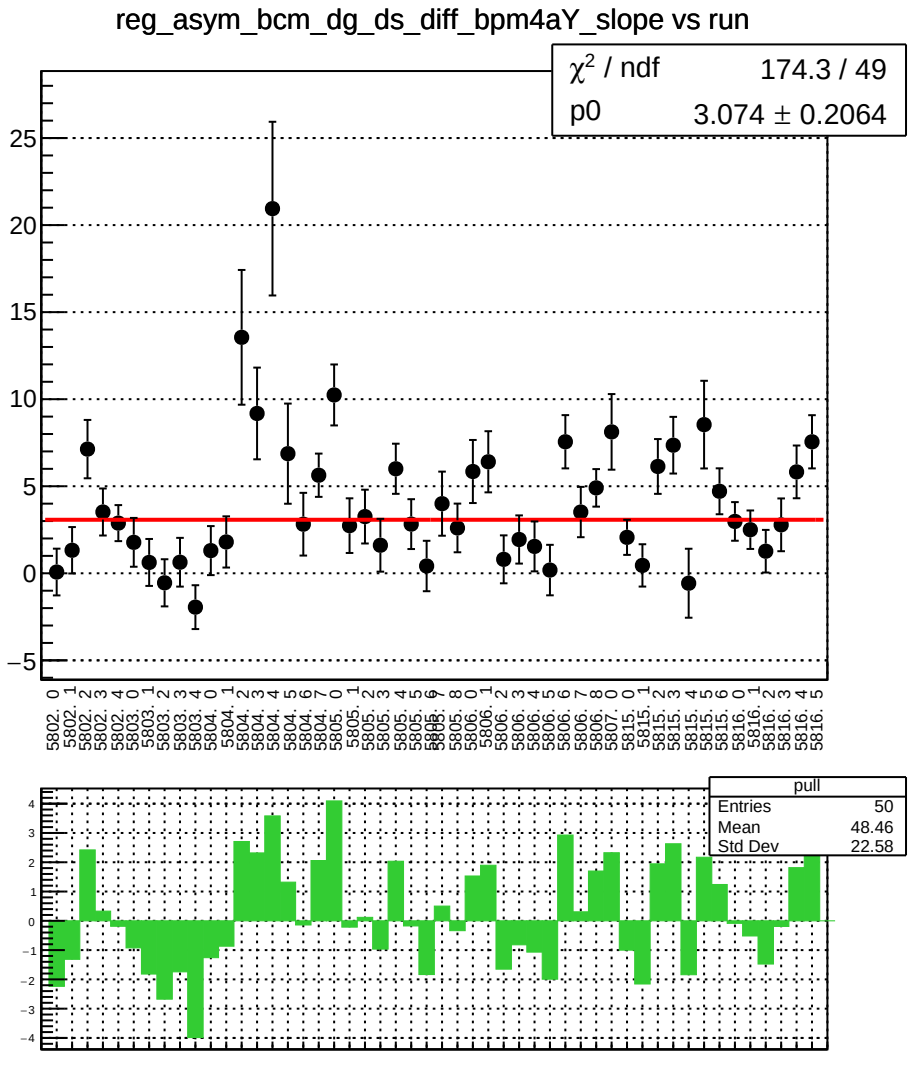

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 167.9 / 49
p0 −3.97 ± 0.2232
pull
Entries 50
Mean 47.12
Std Dev 21.26

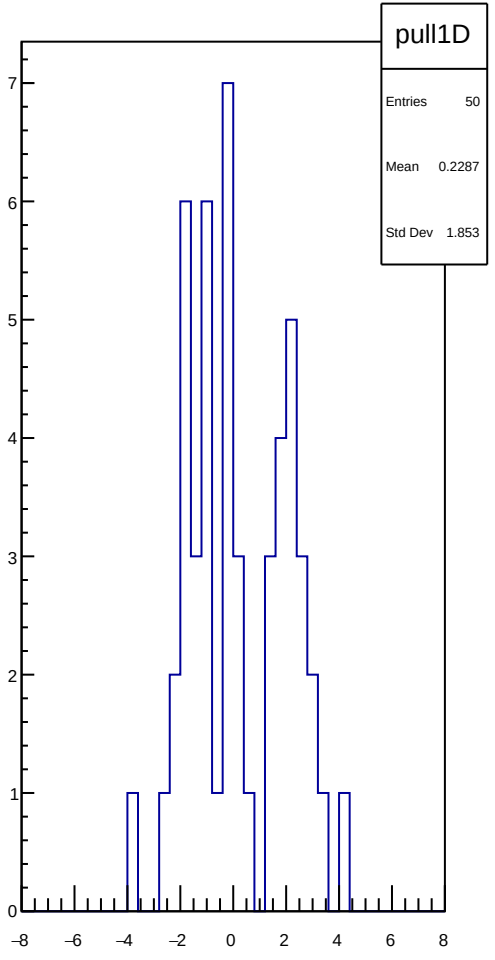

pull1D
Entries 50
Mean −0.2323
Std Dev 1.818

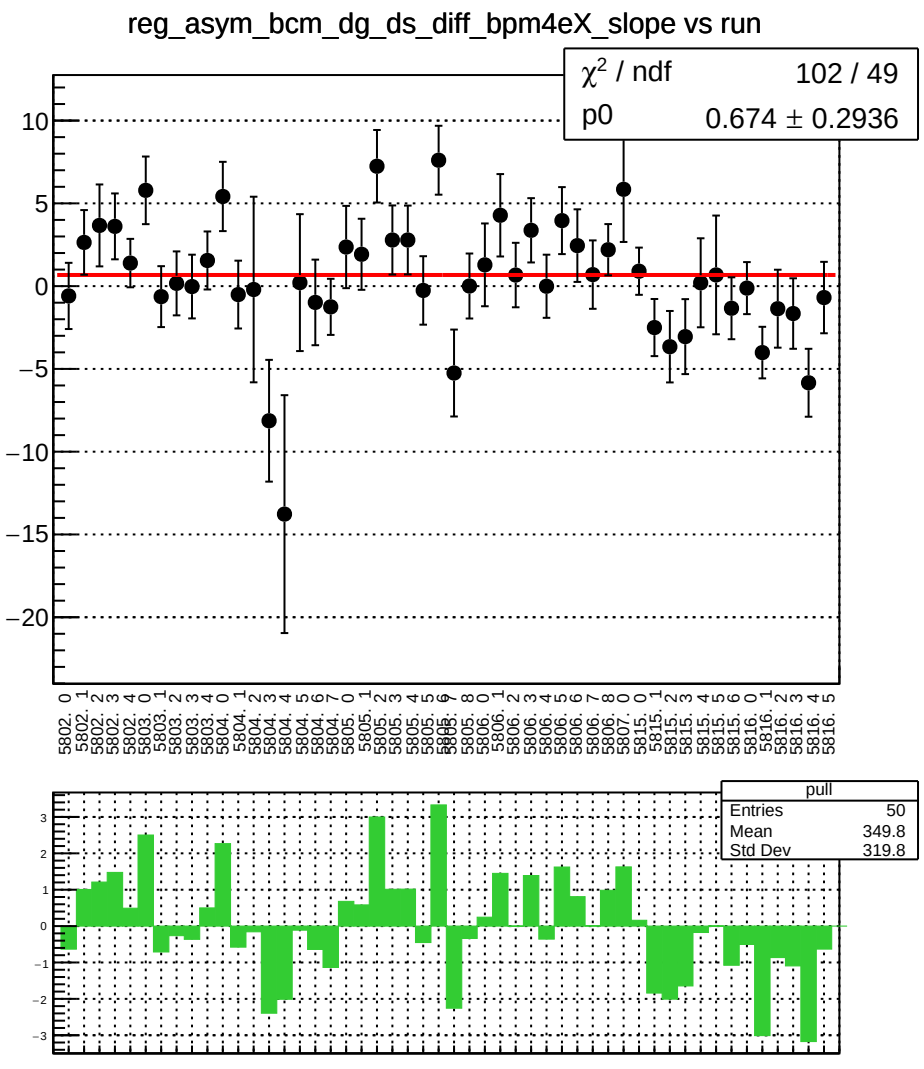

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 103.3 / 49
p0 0.3787 ± 0.01348
pull
Entries 50
Mean 26.05
Std Dev 10.51
pull1D
Entries 50
Mean 0.2353
Std Dev 1.418

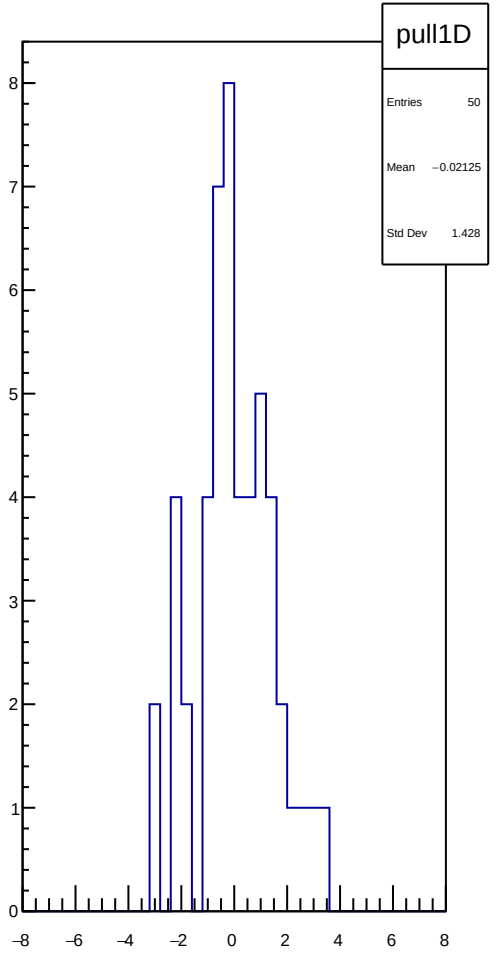

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 103.3 / 49
p0 0.2091 ± 0.2307
pull
Entries 50
Mean 205.9
Std Dev 176.4

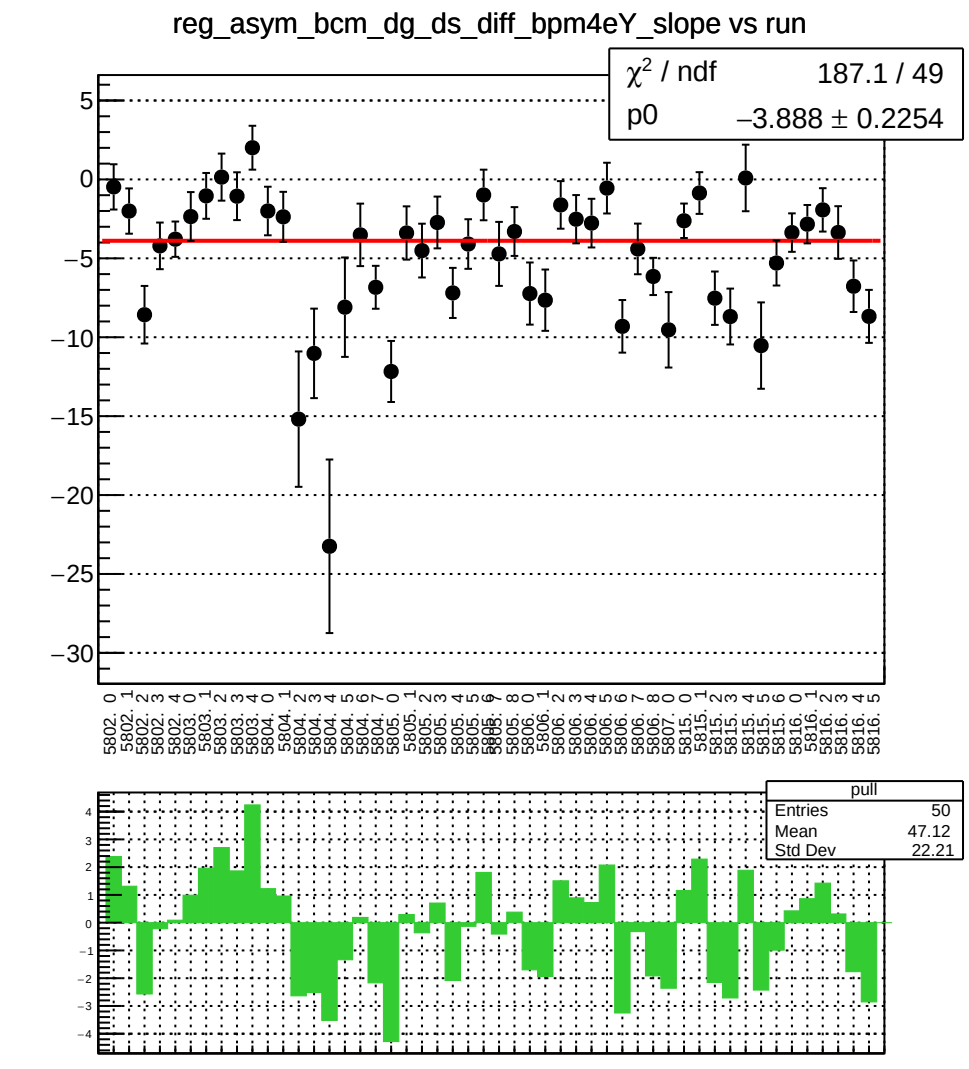

pull1D
Entries 50
Mean 0.04011
Std Dev 1.437

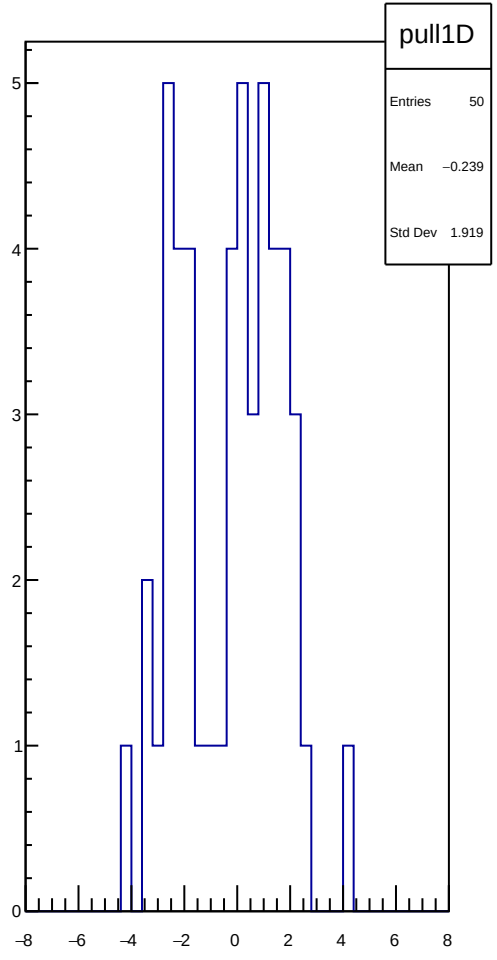

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 174.3 / 49
p0 3.074 ± 0.2064
pull
Entries 50
Mean 48.46
Std Dev 22.58

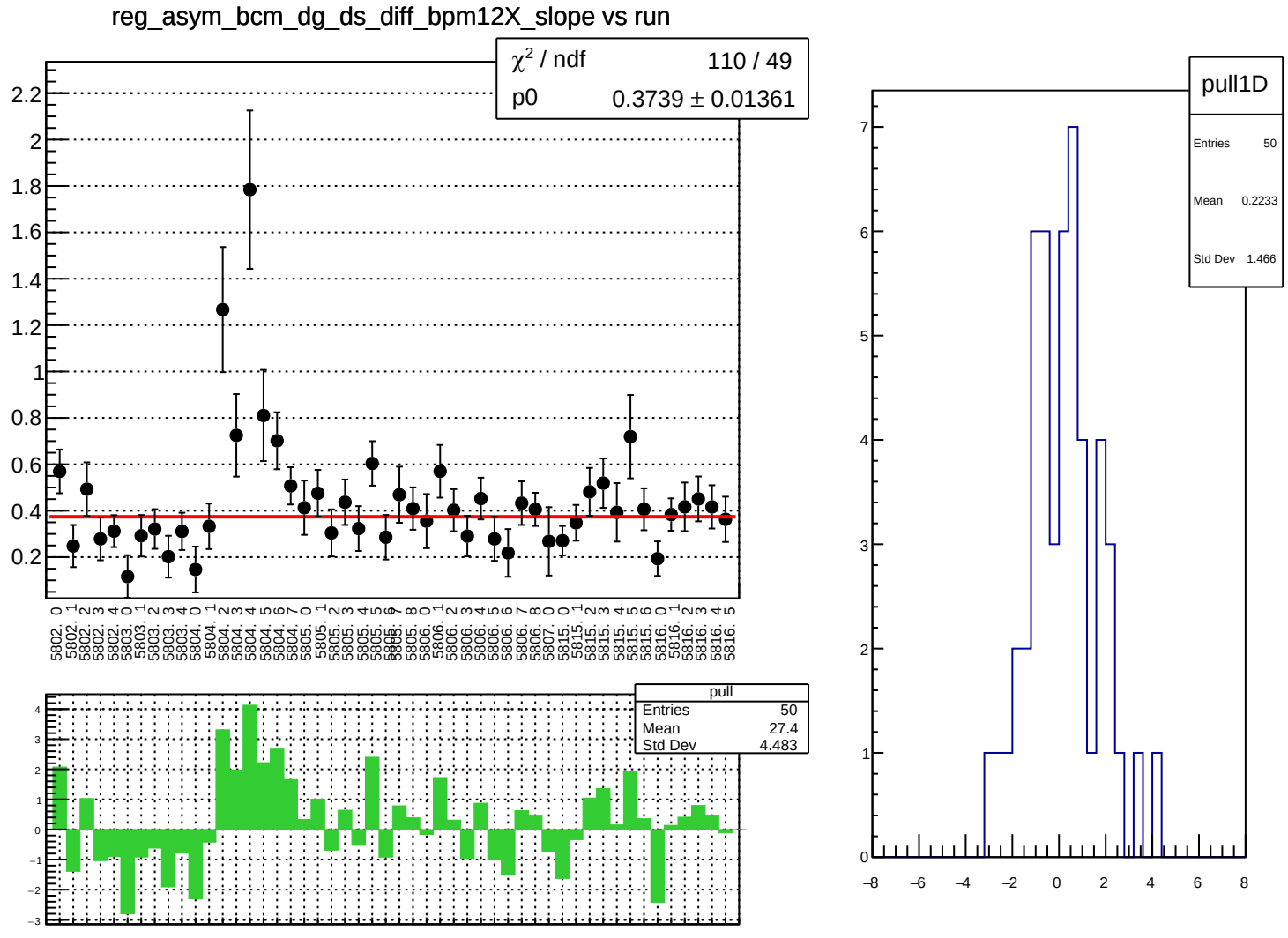

pull1D
Entries 50
Mean 0.2287
Std Dev 1.853

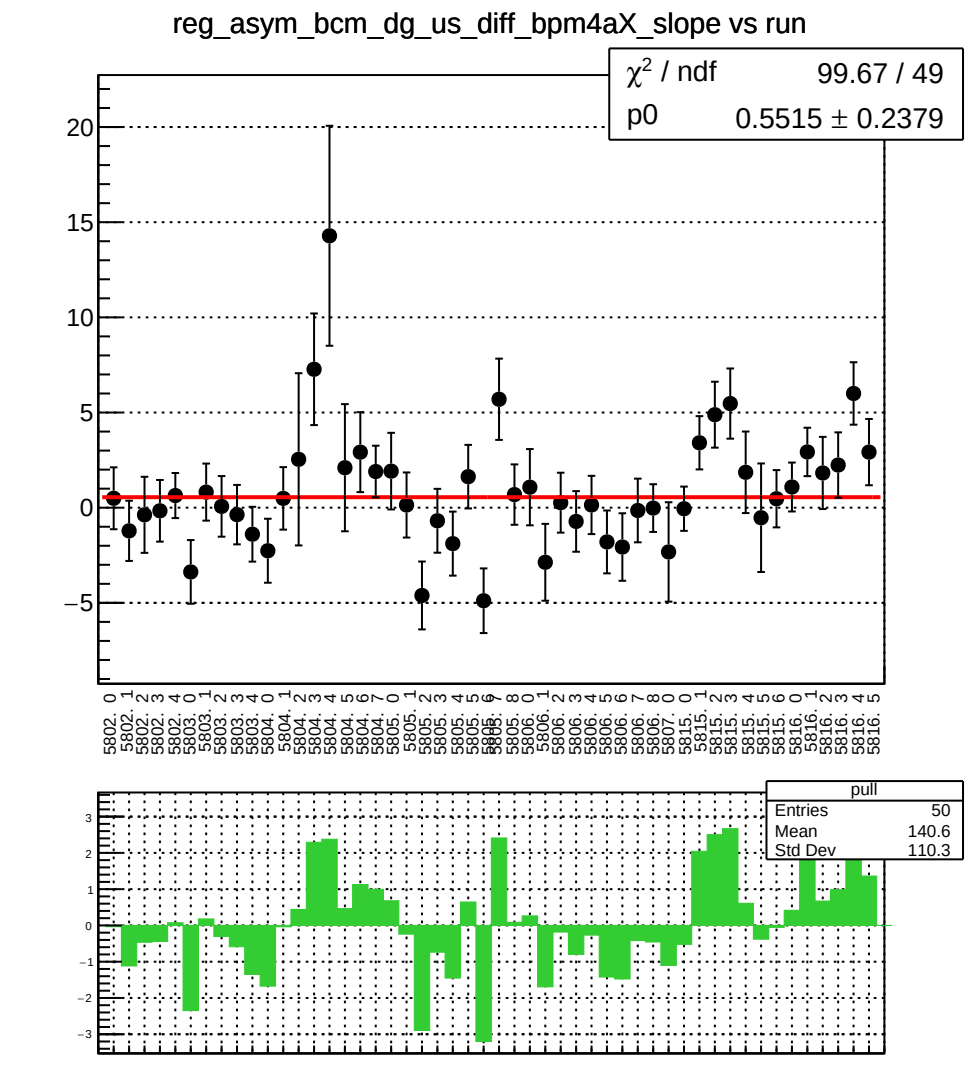

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 102 / 49
p0 0.674 ± 0.2936
pull
Entries 50
Mean 349.8
Std Dev 319.8

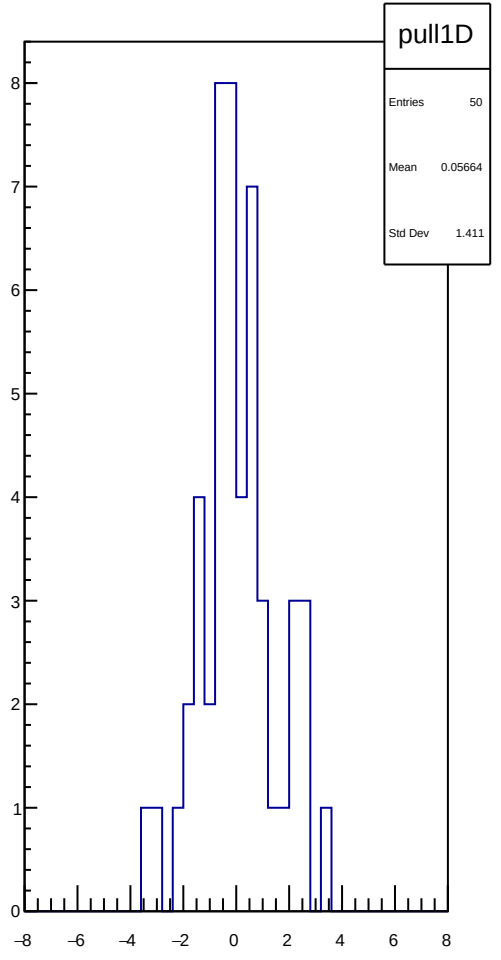

pull1D
Entries 50
Mean −0.02125
Std Dev 1.428

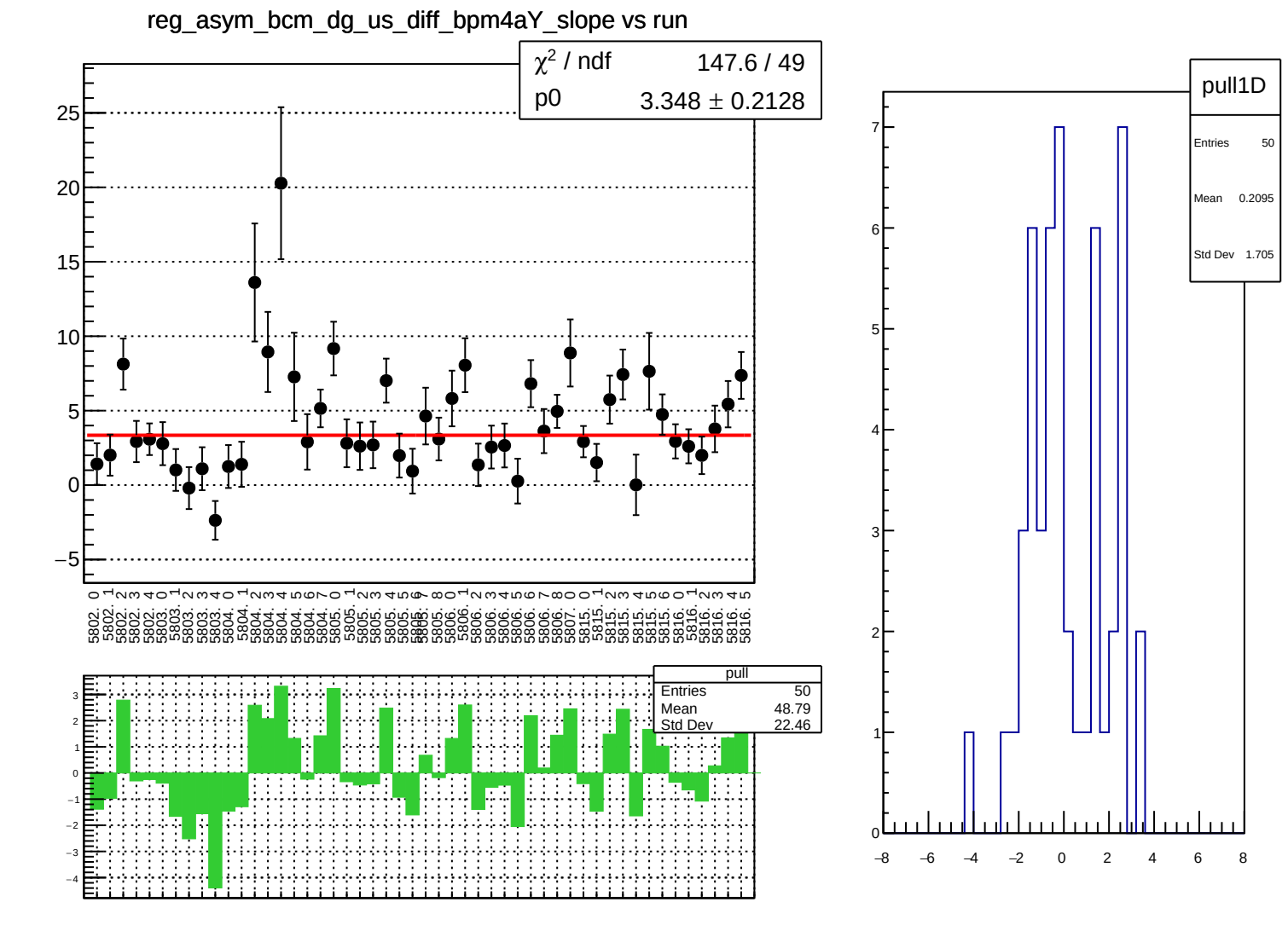

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 187.1 / 49
p0 −3.888 ± 0.2254
pull
Entries 50
Mean 47.12
Std Dev 22.21

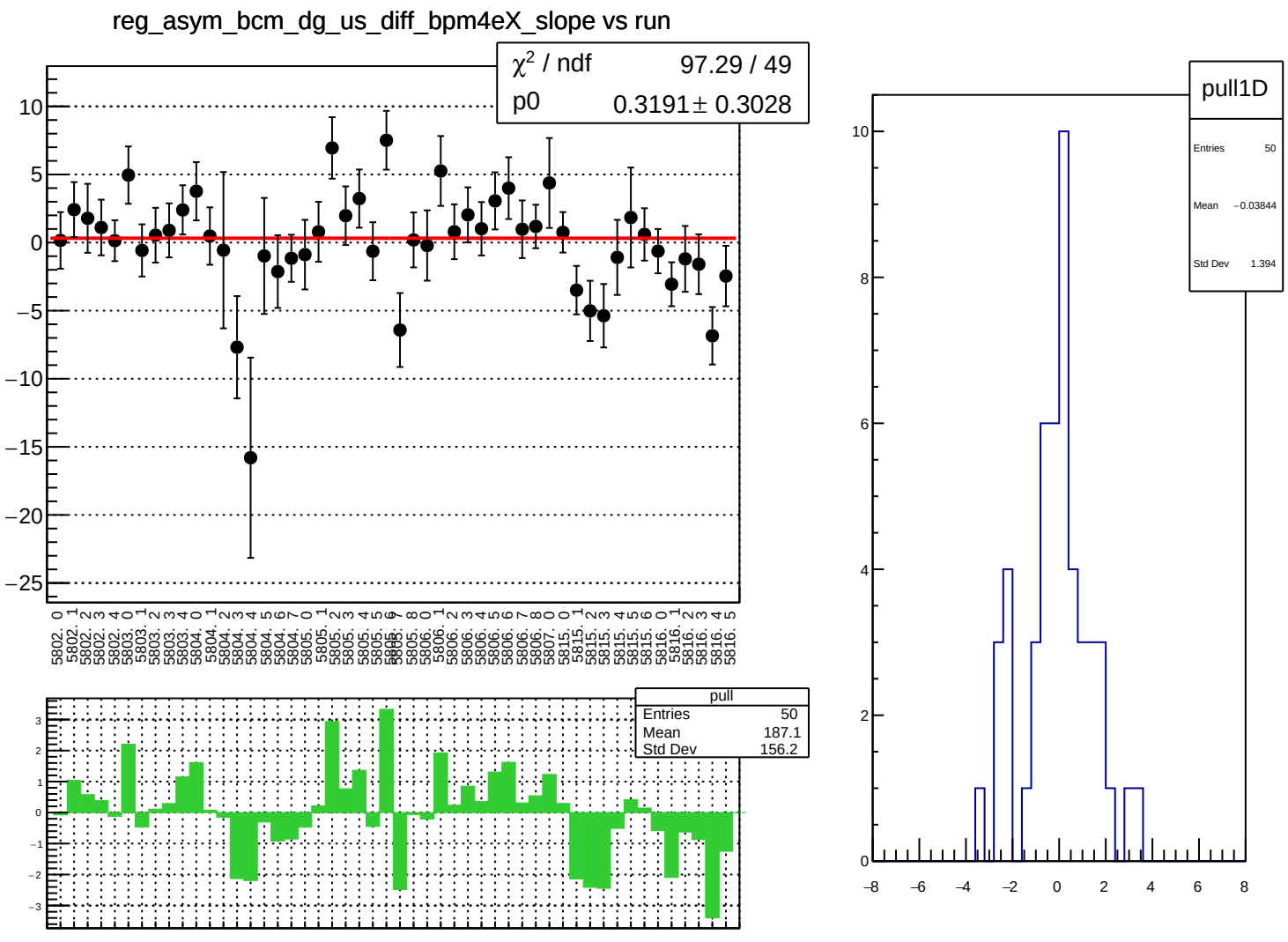

pull1D
Entries 50
Mean −0.239
Std Dev 1.919

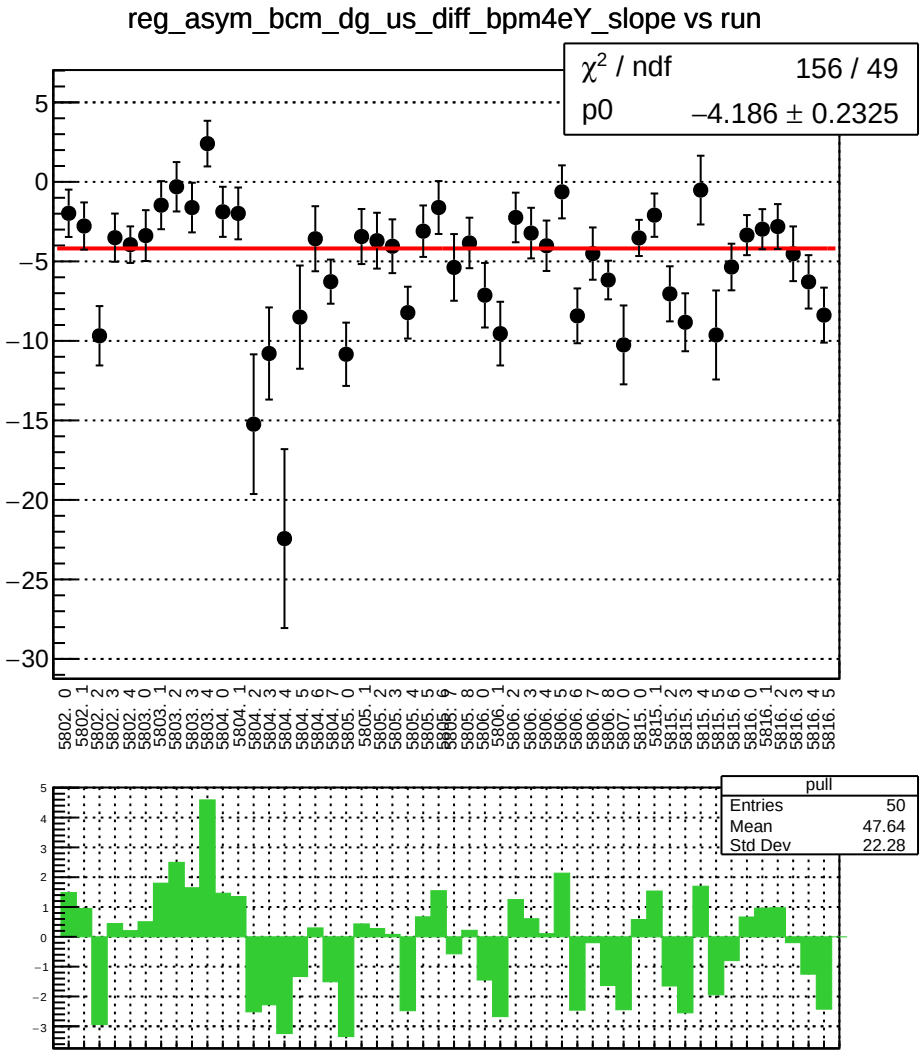

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 110 / 49
p0 0.3739 ± 0.01361
pull
Entries 50
Mean 27.4
Std Dev 4.483
pull1D
Entries 50
Mean 0.2233
Std Dev 1.466

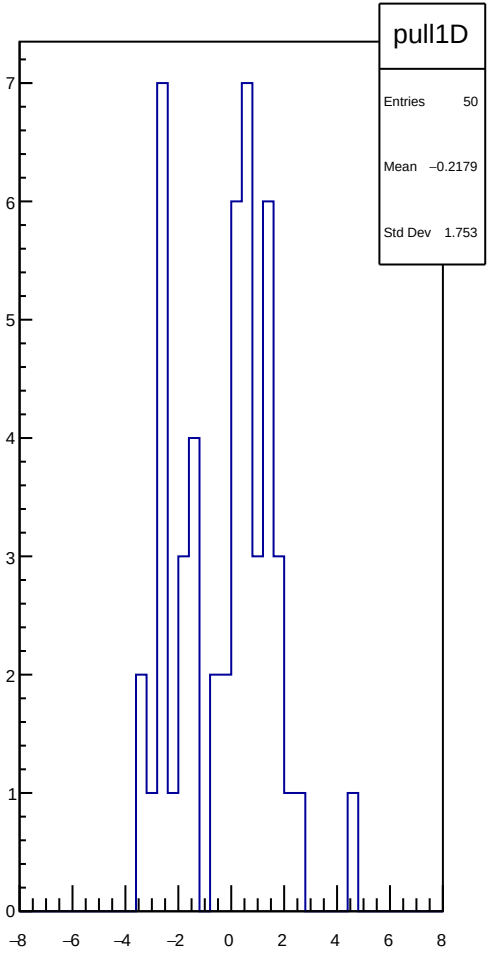

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 99.67 / 49
p0 0.5515 ± 0.2379
pull
Entries 50
Mean 140.6
Std Dev 110.3

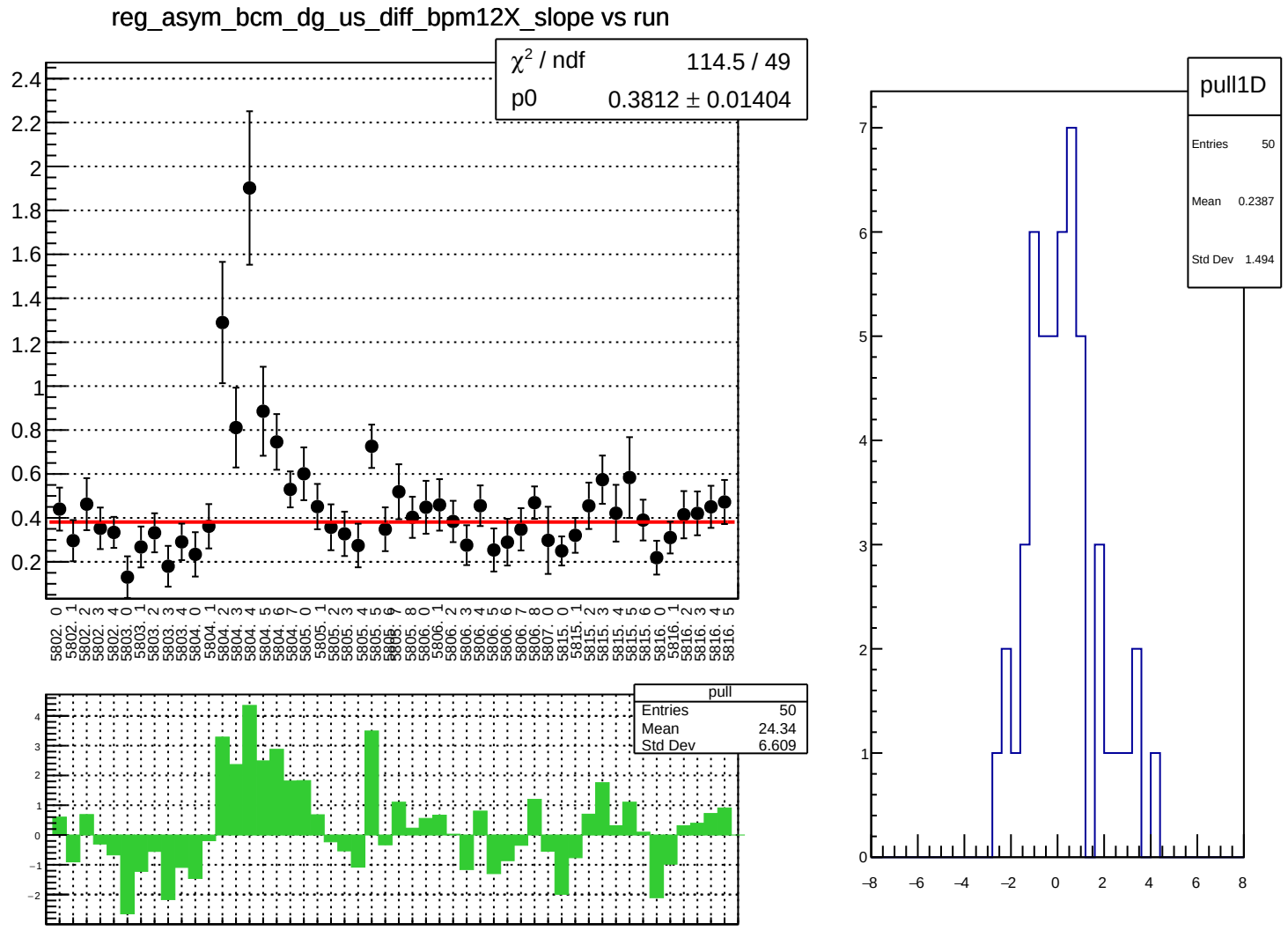

pull1D
Entries 50
Mean 0.05664
Std Dev 1.411


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 147.6 / 49
p0 3.348 ± 0.2128
pull
Entries 50
Mean 48.79
Std Dev 22.46
pull1D
Entries 50
Mean 0.2095
Std Dev 1.705


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 97.29 / 49
p0 0.3191 ± 0.3028
pull
Entries 50
Mean 187.1
Std Dev 156.2
pull1D
Entries 50
Mean −0.03844
Std Dev 1.394


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 156 / 49
p0 −4.186 ± 0.2325
pull
Entries 50
Mean 47.64
Std Dev 22.28


pull1D
Entries 50
Mean −0.2179
Std Dev 1.753


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 114.5 / 49
p0 0.3812 ± 0.01404
pull
Entries 50
Mean 24.34
Std Dev 6.609
pull1D
Entries 50
Mean 0.2387
Std Dev 1.494