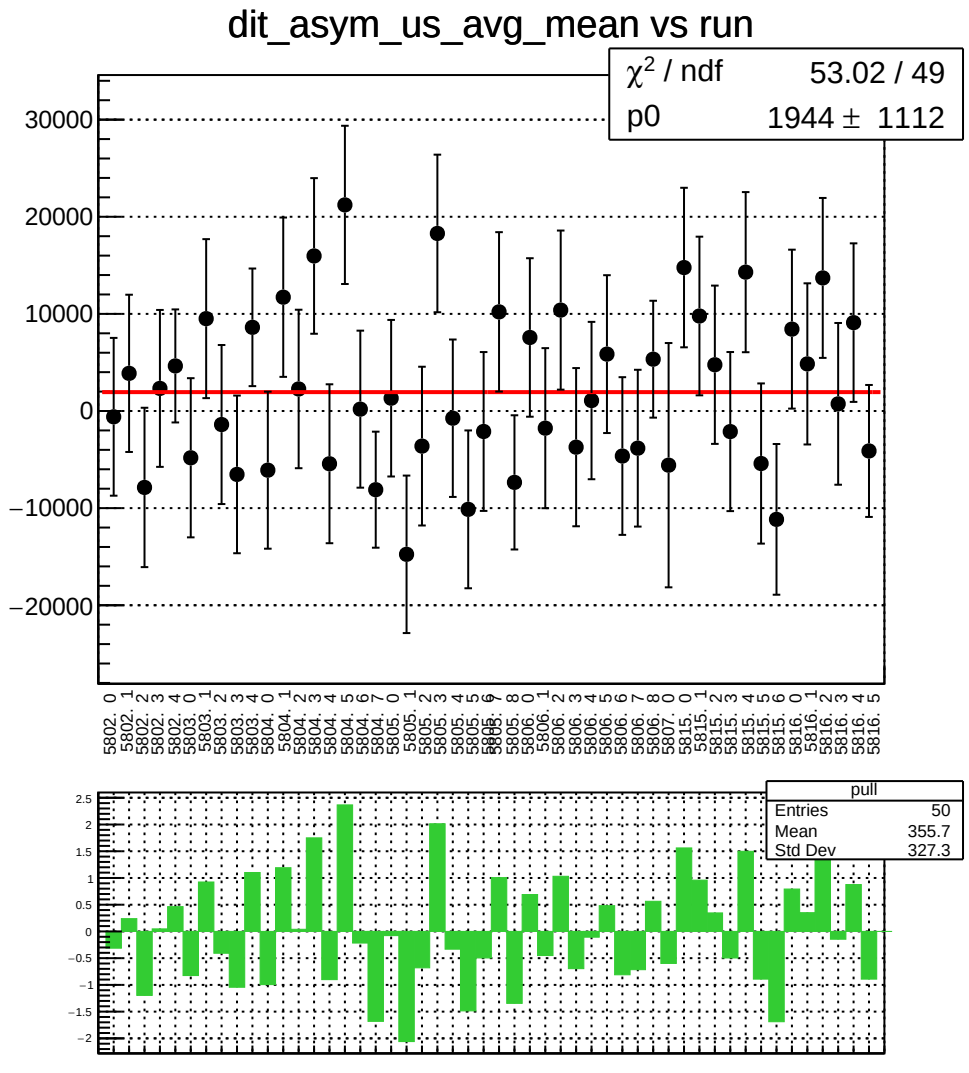
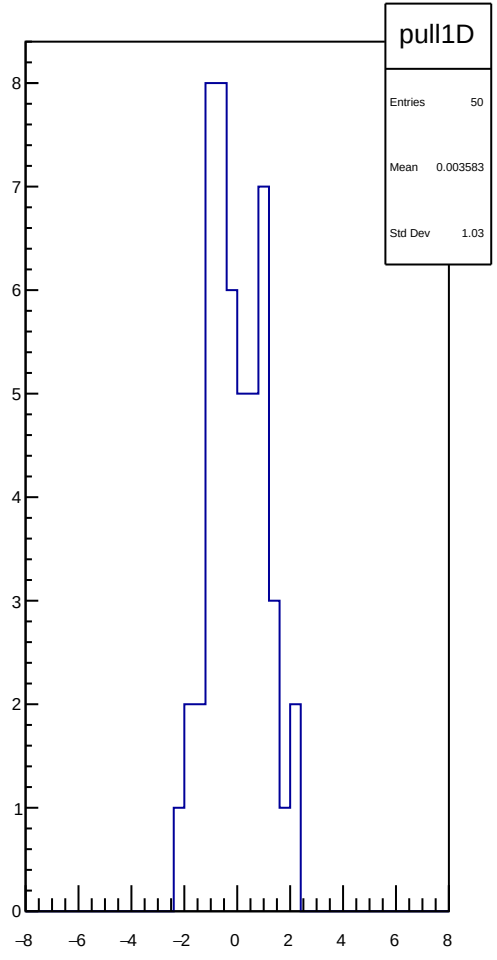
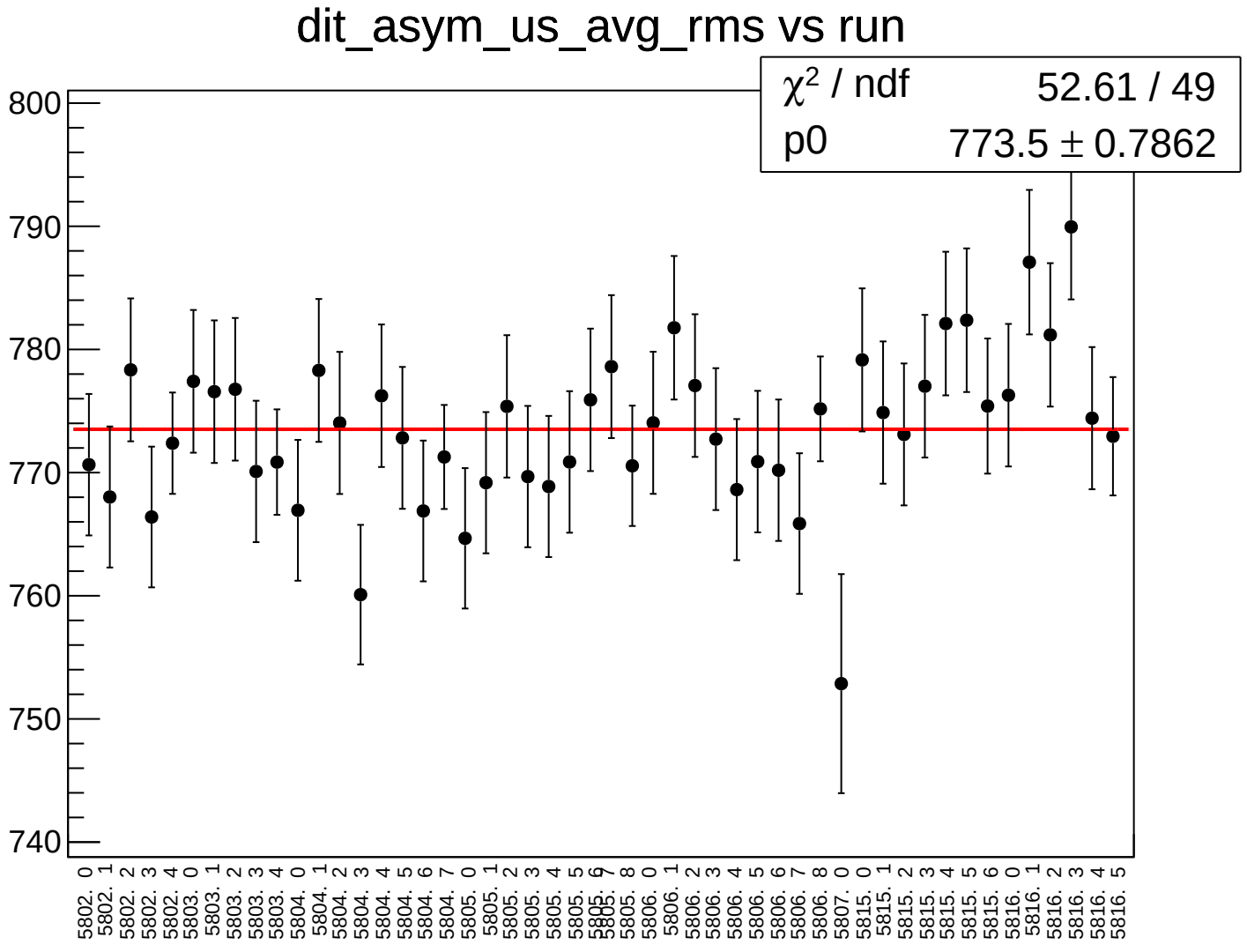
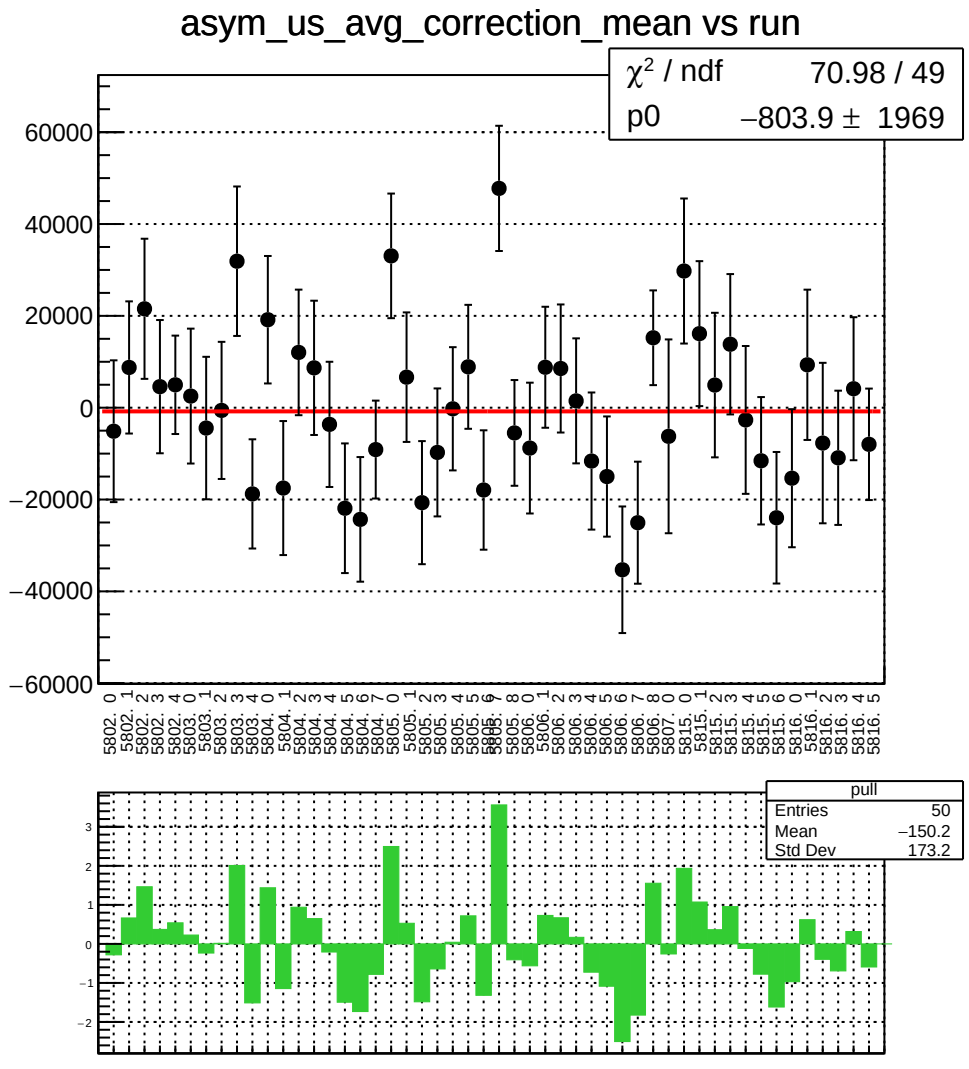
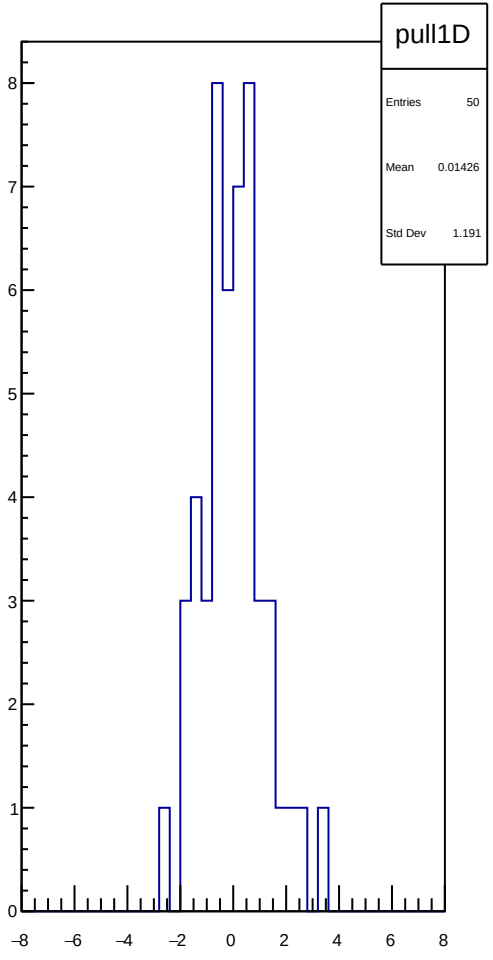
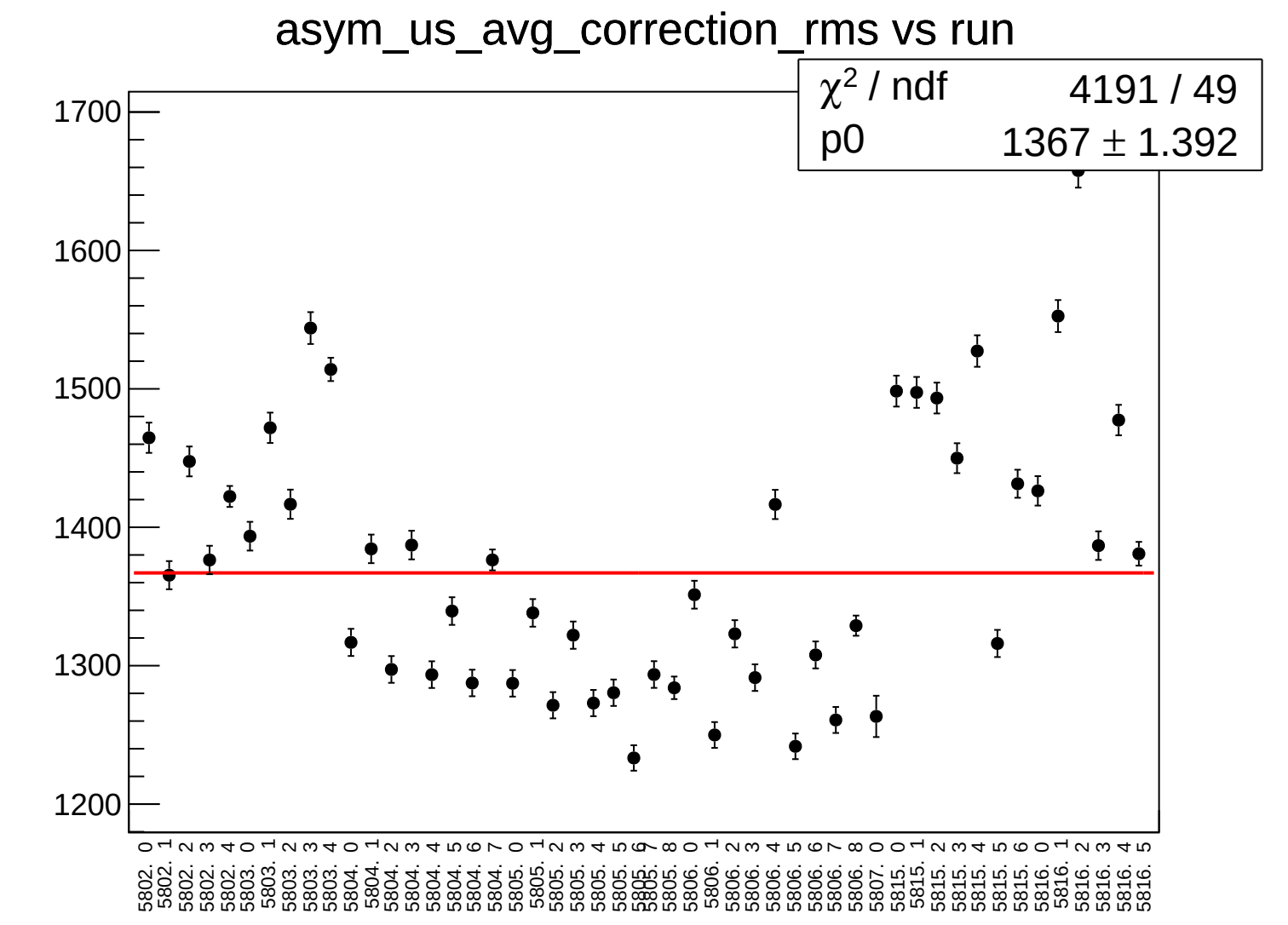

dit_asym_us_avg_mean vs run
χ² / ndf 53.02 / 49
p0 1944 ± 1112
30000
20000
10000
0
−10000
−20000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 355.7
Std Dev 327.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

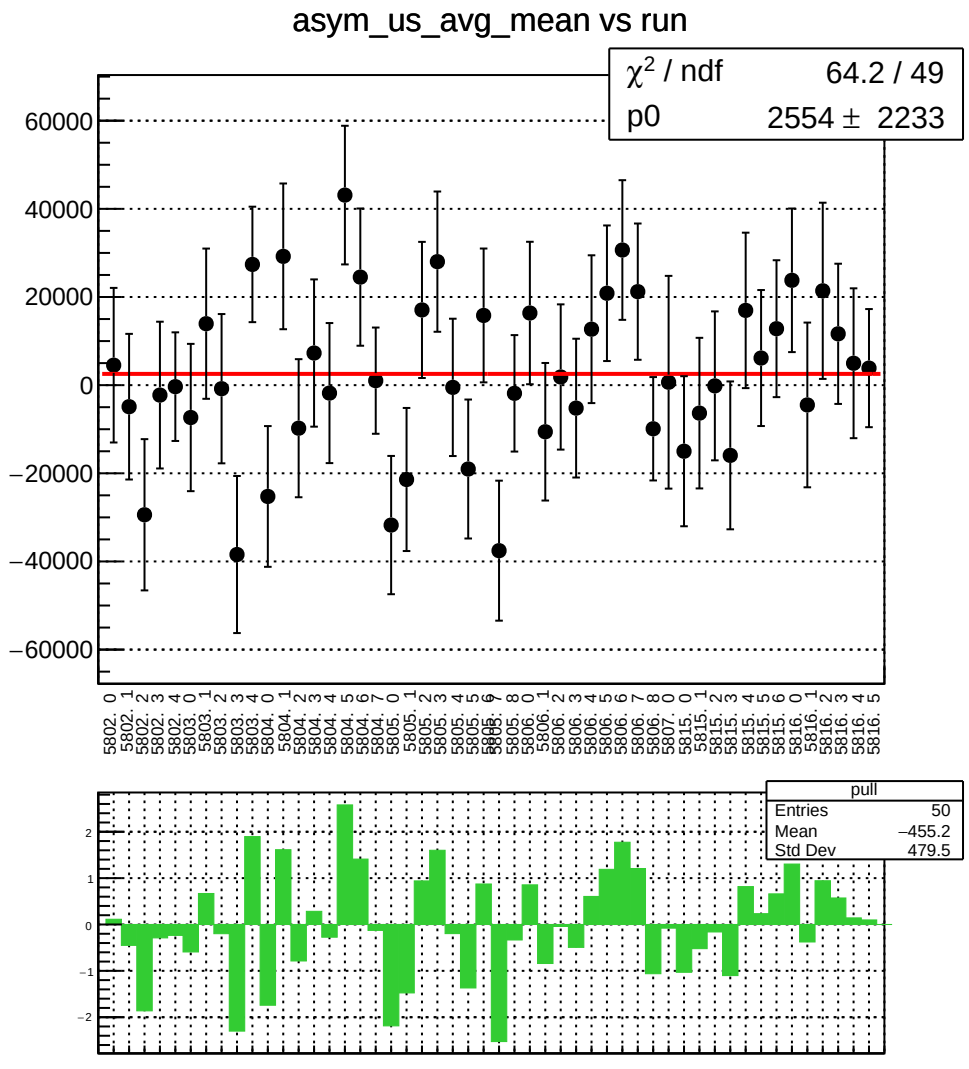

pull1D
Entries 50
Mean 0.003583
Std Dev 1.03
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

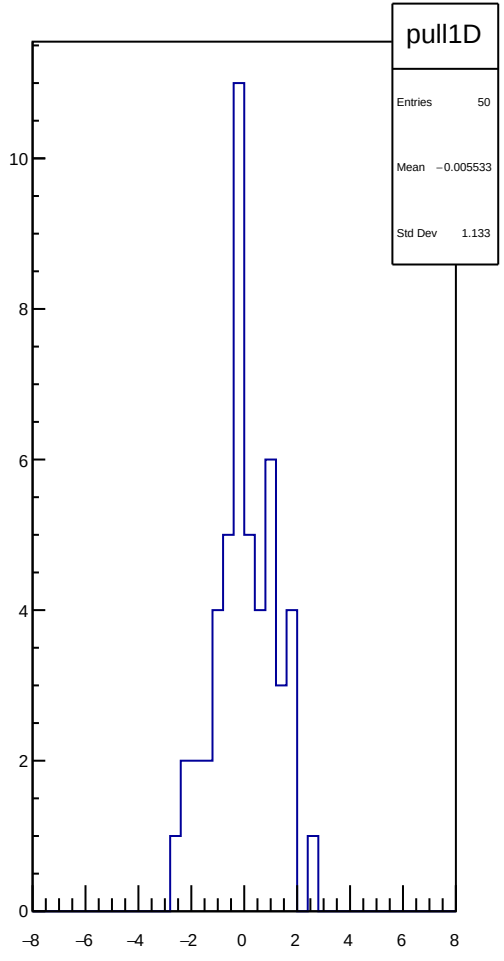

dit_asym_us_avg_rms vs run
χ² / ndf 52.61 / 49
p0 773.5 ± 0.7862
800
790
780
770
760
750
740
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

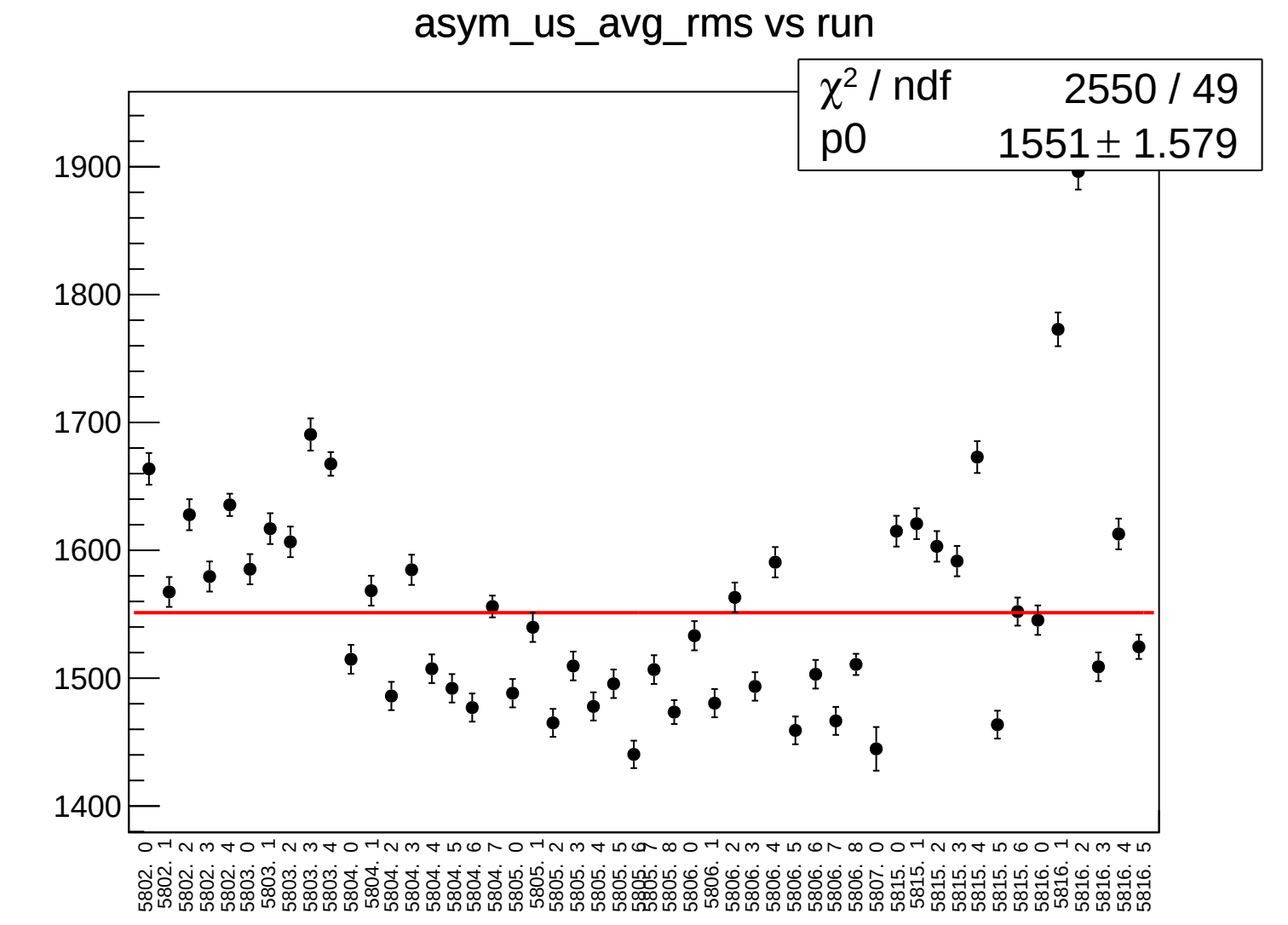

asym_us_avg_correction_mean vs run
χ² / ndf 70.98 / 49
p0 −803.9 ± 1969
60000
40000
20000
0
−20000
−40000
−60000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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 −150.2
Std Dev 173.2
3
2
1
0
−1
−2

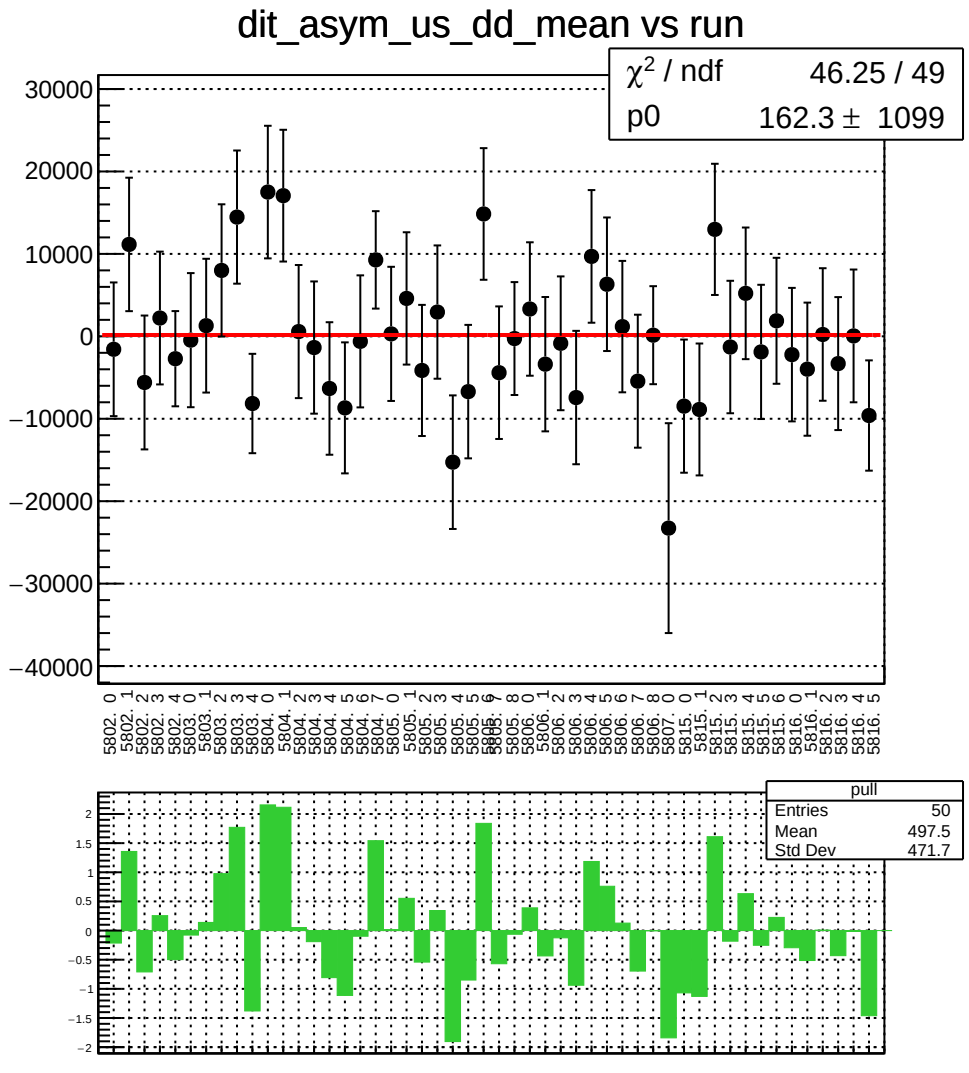

pull1D
Entries 50
Mean 0.01426
Std Dev 1.191
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

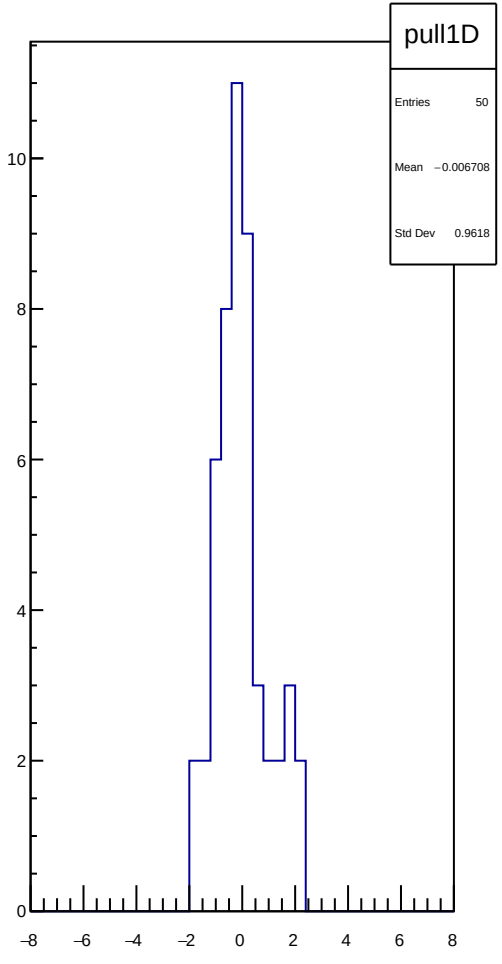

asym_us_avg_correction_rms vs run
χ² / ndf 4191 / 49
p0 1367 ± 1.392
1700
1600
1500
1400
1300
1200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

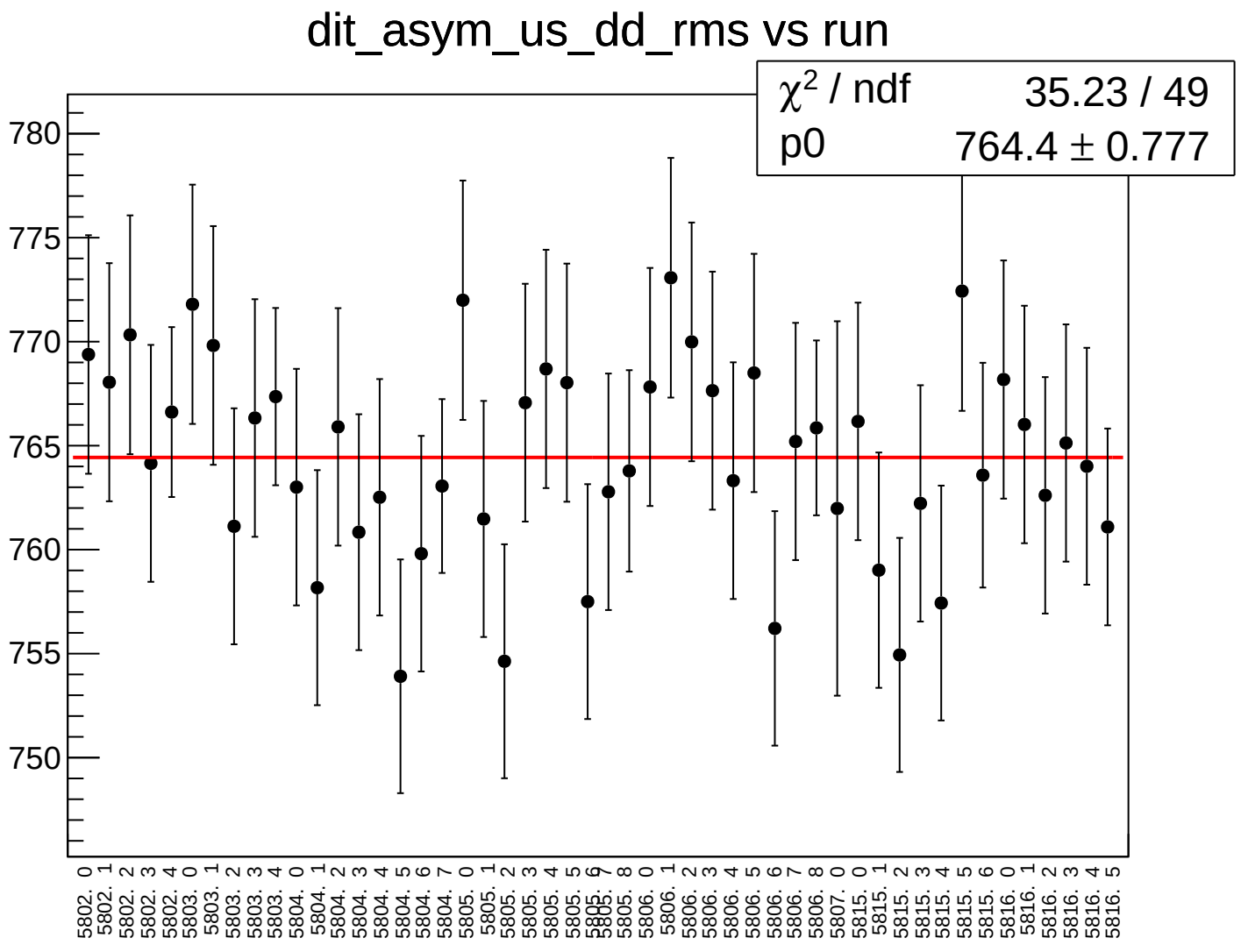

asym_us_avg_mean vs run
χ² / ndf 64.2 / 49
p0 2554 ± 2233
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −455.2
Std Dev 479.5
2
1
0
−1
−2

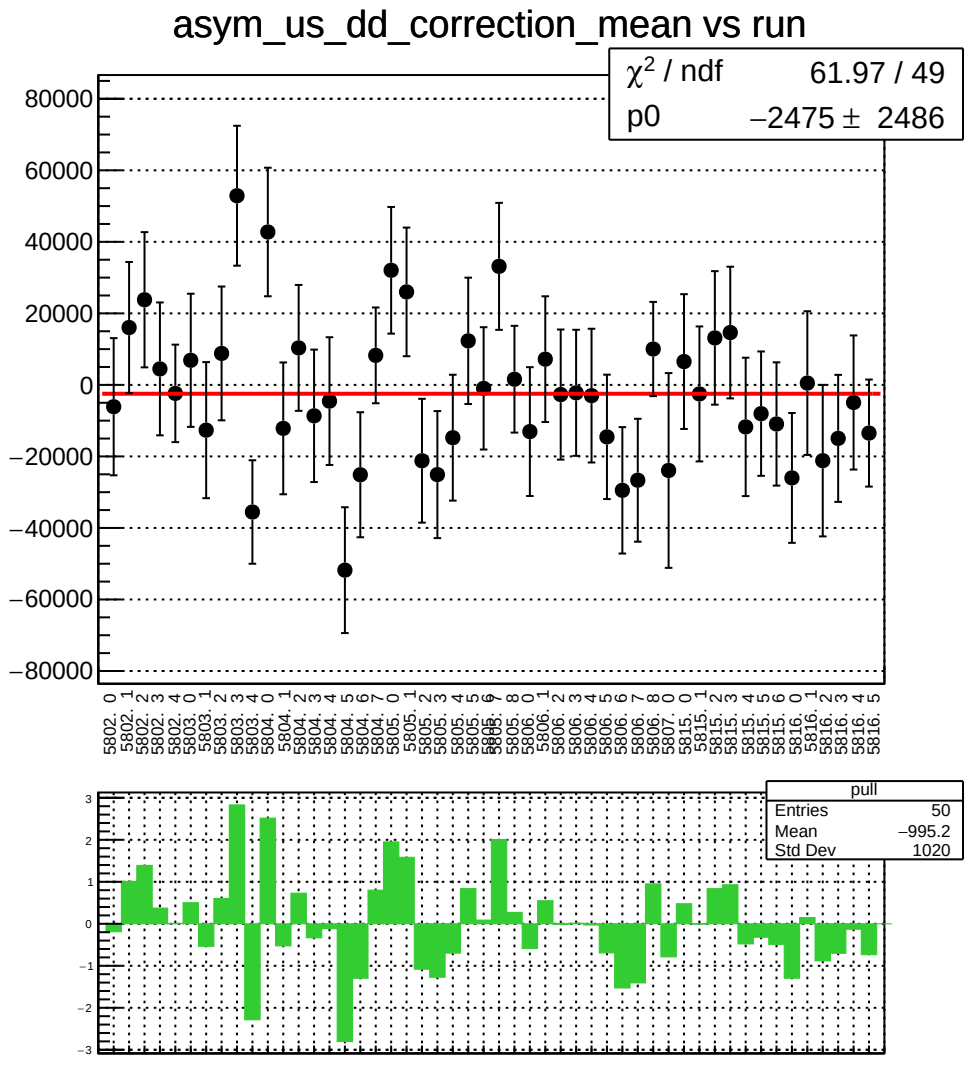

pull1D
Entries 50
Mean −0.005533
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

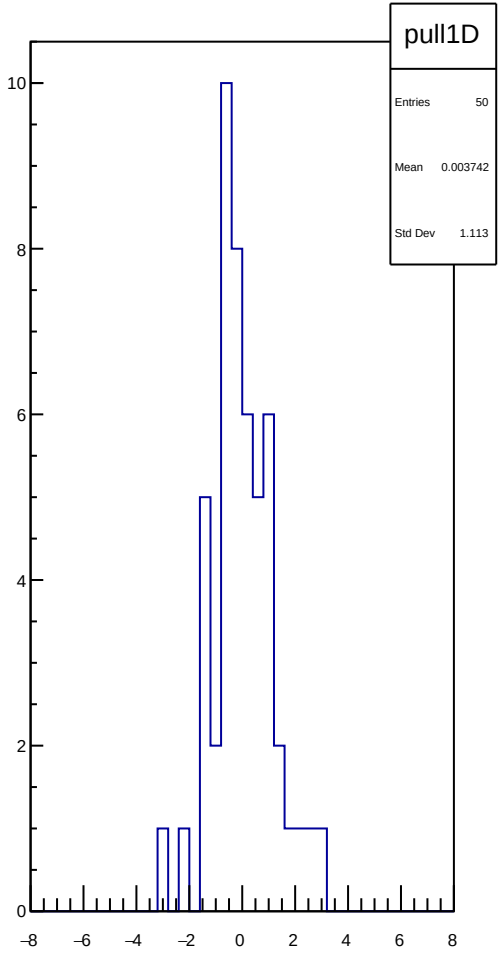

asym_us_avg_rms vs run
χ² / ndf 2550 / 49
p0 1551 ± 1.579
1900
1800
1700
1600
1500
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805.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

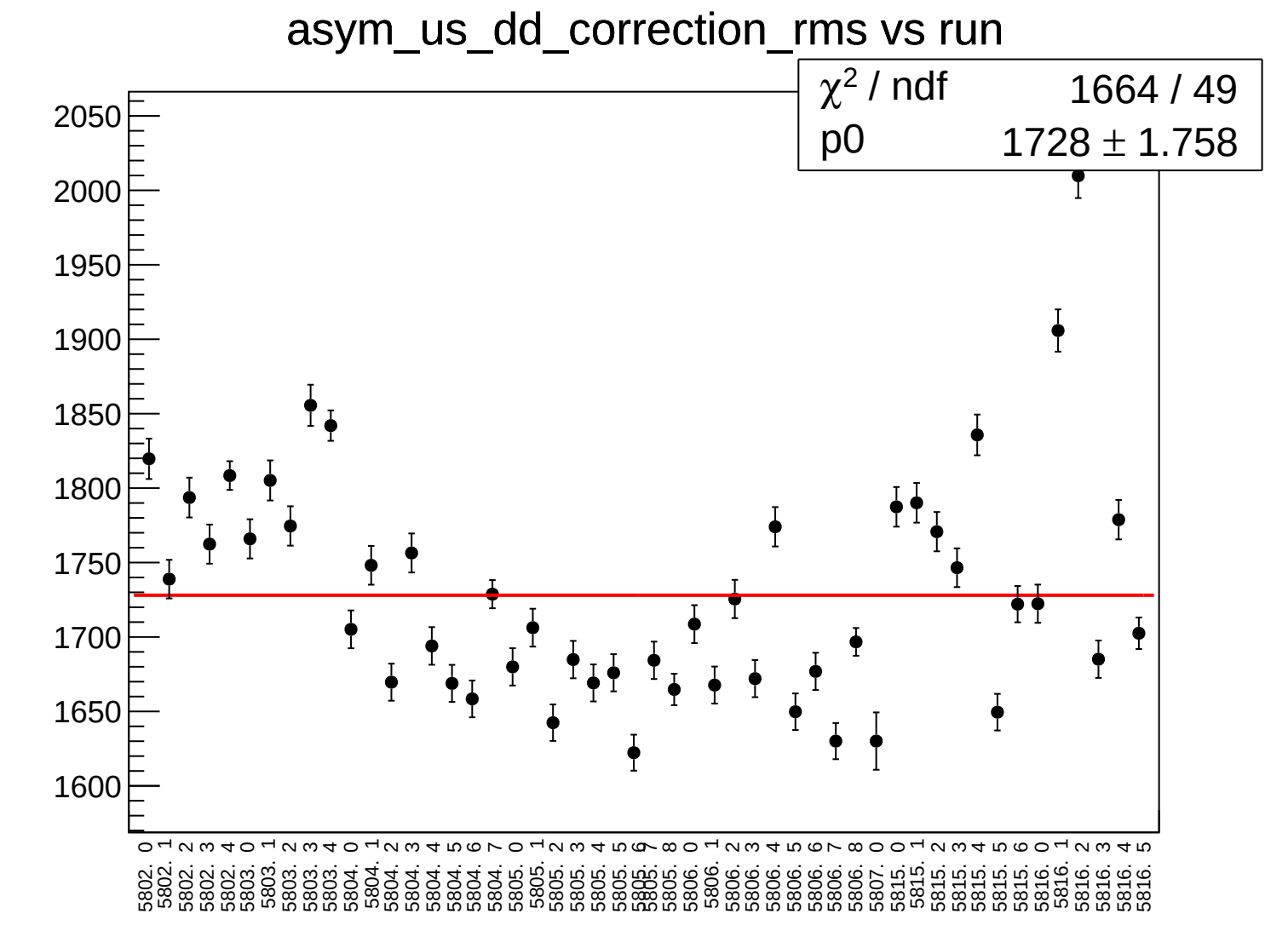

dit_asym_us_dd_mean vs run
χ² / ndf 46.25 / 49
p0 162.3 ± 1099
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean 497.5
Std Dev 471.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

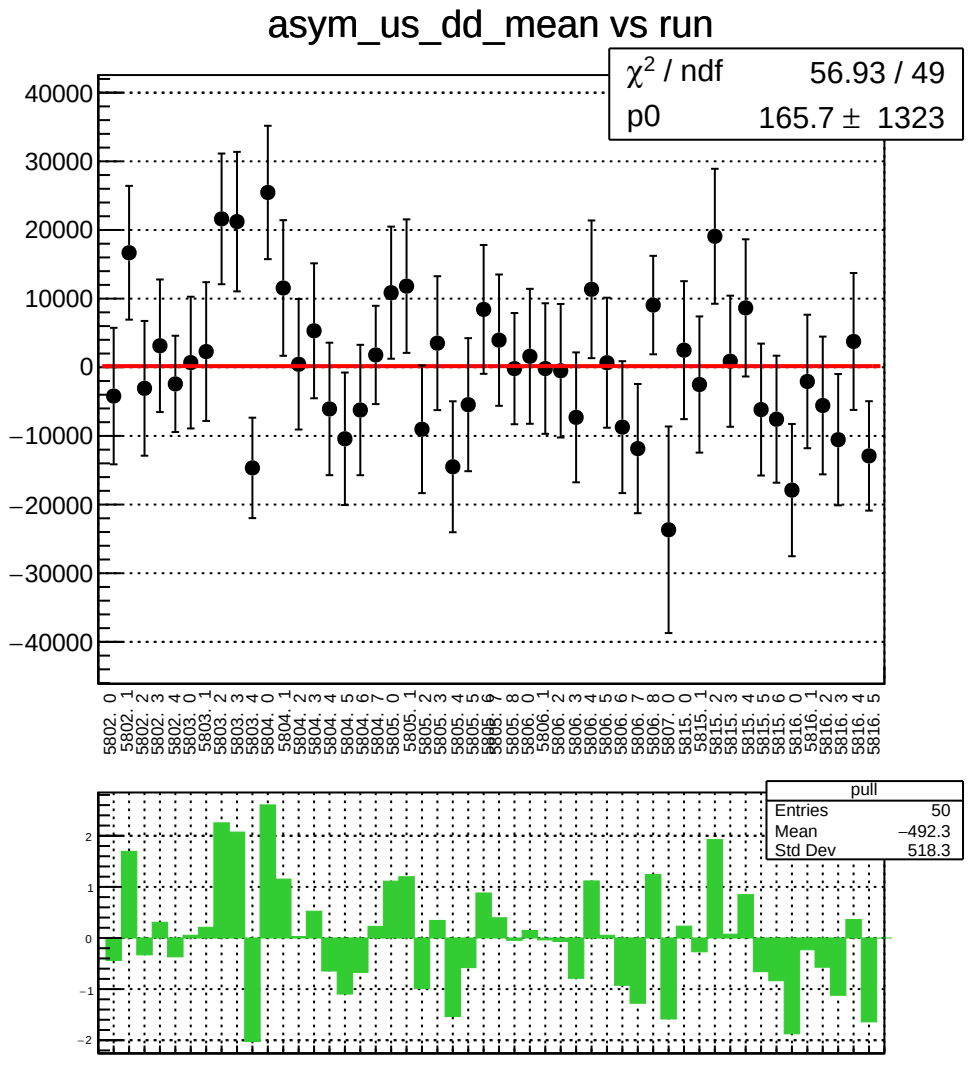

pull1D
Entries 50
Mean −0.006708
Std Dev 0.9618
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

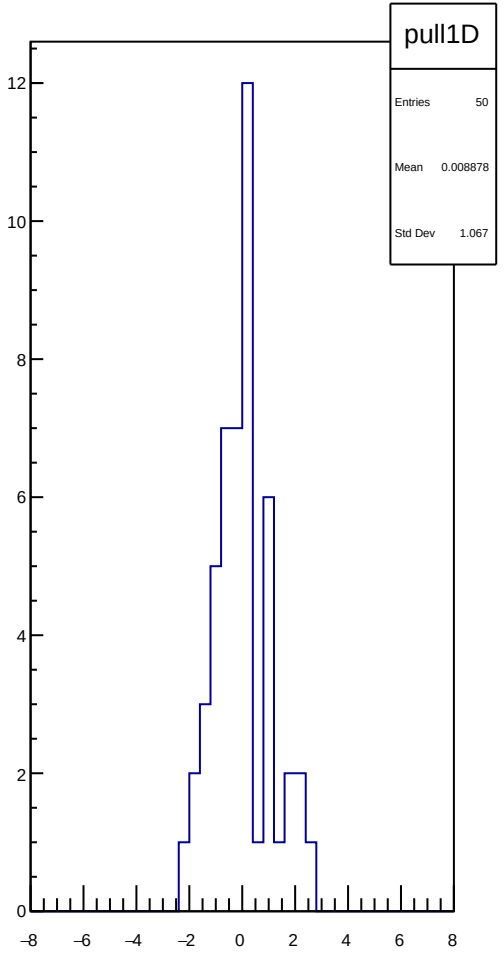

dit_asym_us_dd_rms vs run
χ² / ndf 35.23 / 49
p0 764.4 ± 0.777
780
775
770
765
760
755
750
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

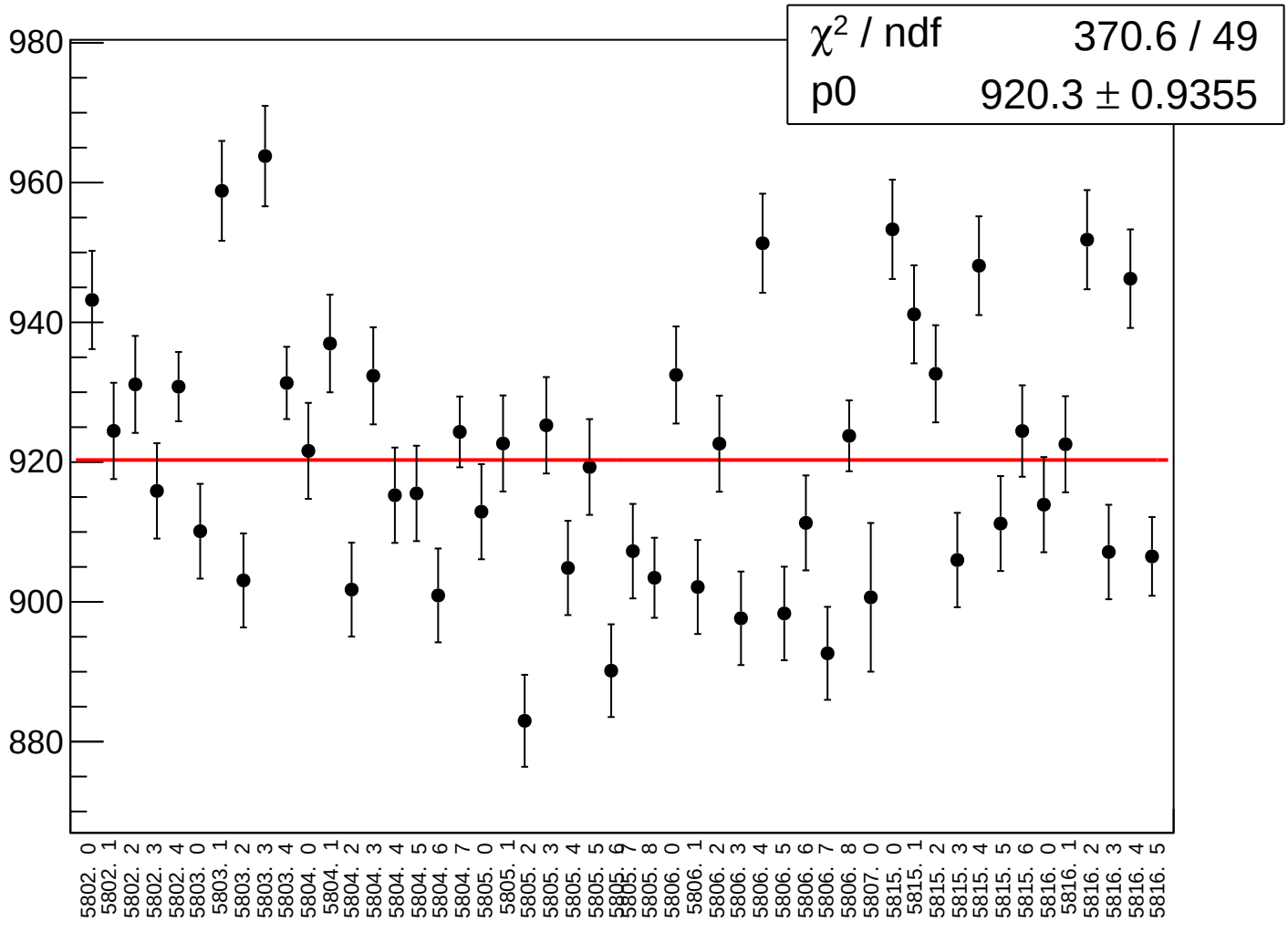

asym_us_dd_correction_mean vs run
χ² / ndf 61.97 / 49
p0 −2475 ± 2486
pull
Entries 50
Mean −995.2
Std Dev 1020

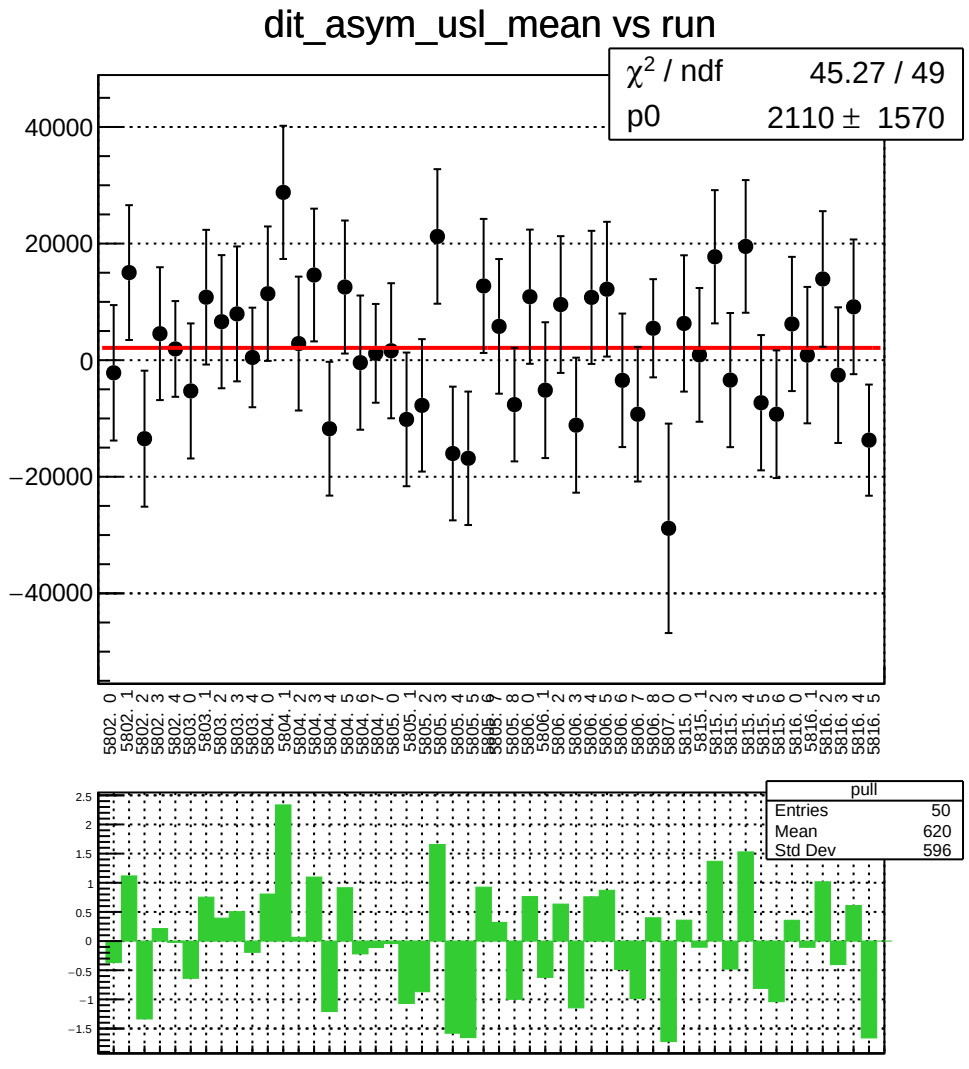

pull1D
Entries 50
Mean 0.003742
Std Dev 1.113

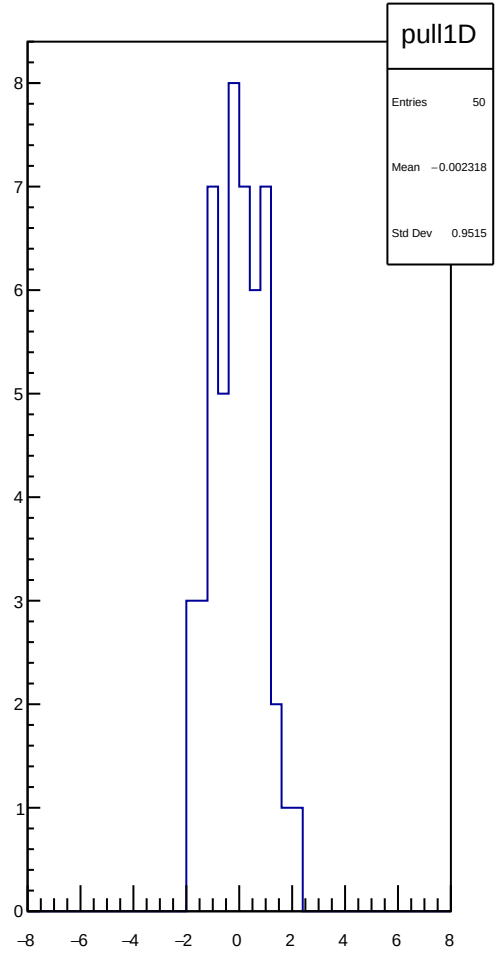

asym_us_dd_correction_rms vs run
χ² / ndf 1664 / 49
p0 1728 ± 1.758
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
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

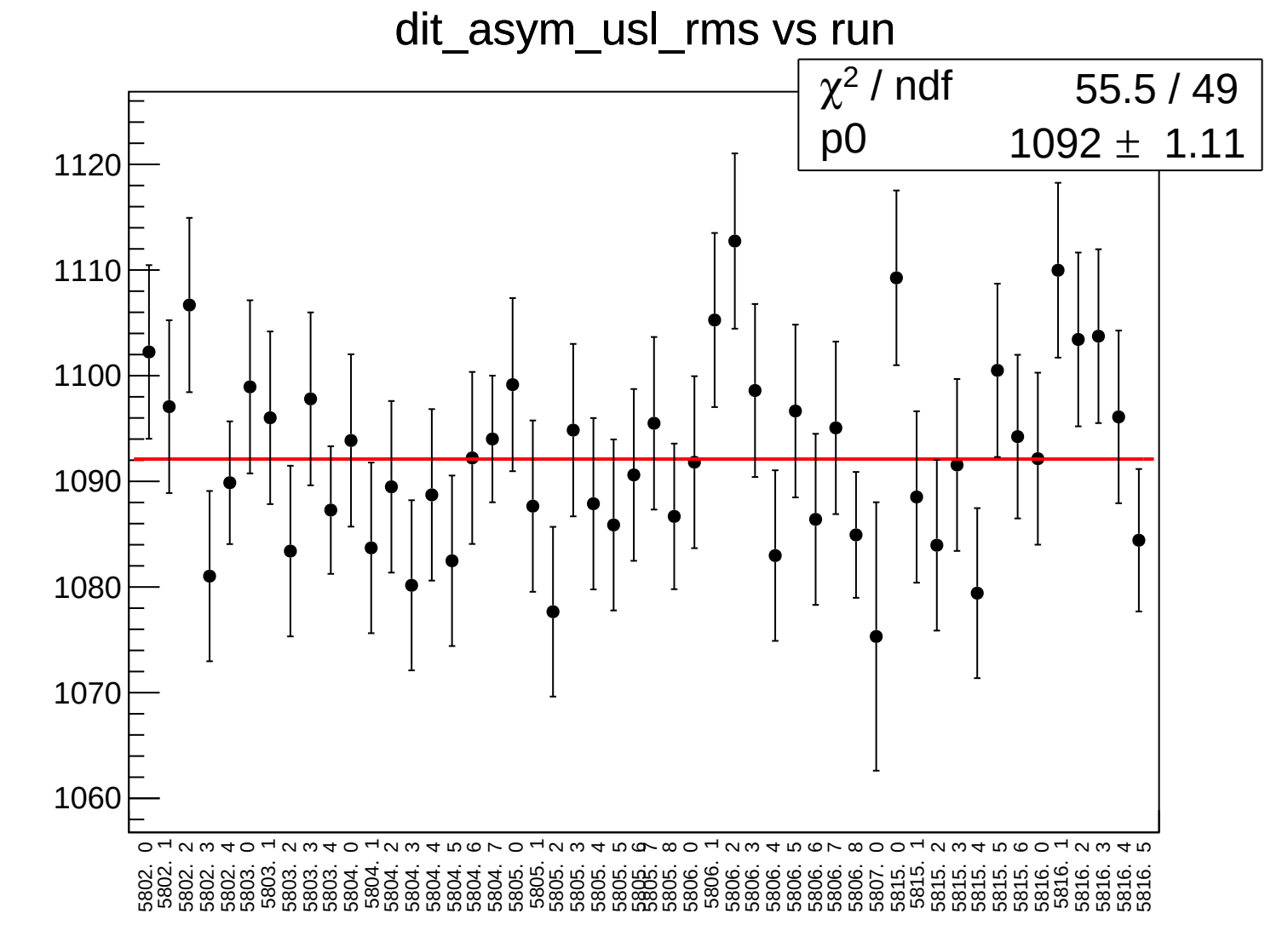

asym_us_dd_mean vs run
χ² / ndf 56.93 / 49
p0 165.7 ± 1323
pull
Entries 50
Mean −492.3
Std Dev 518.3

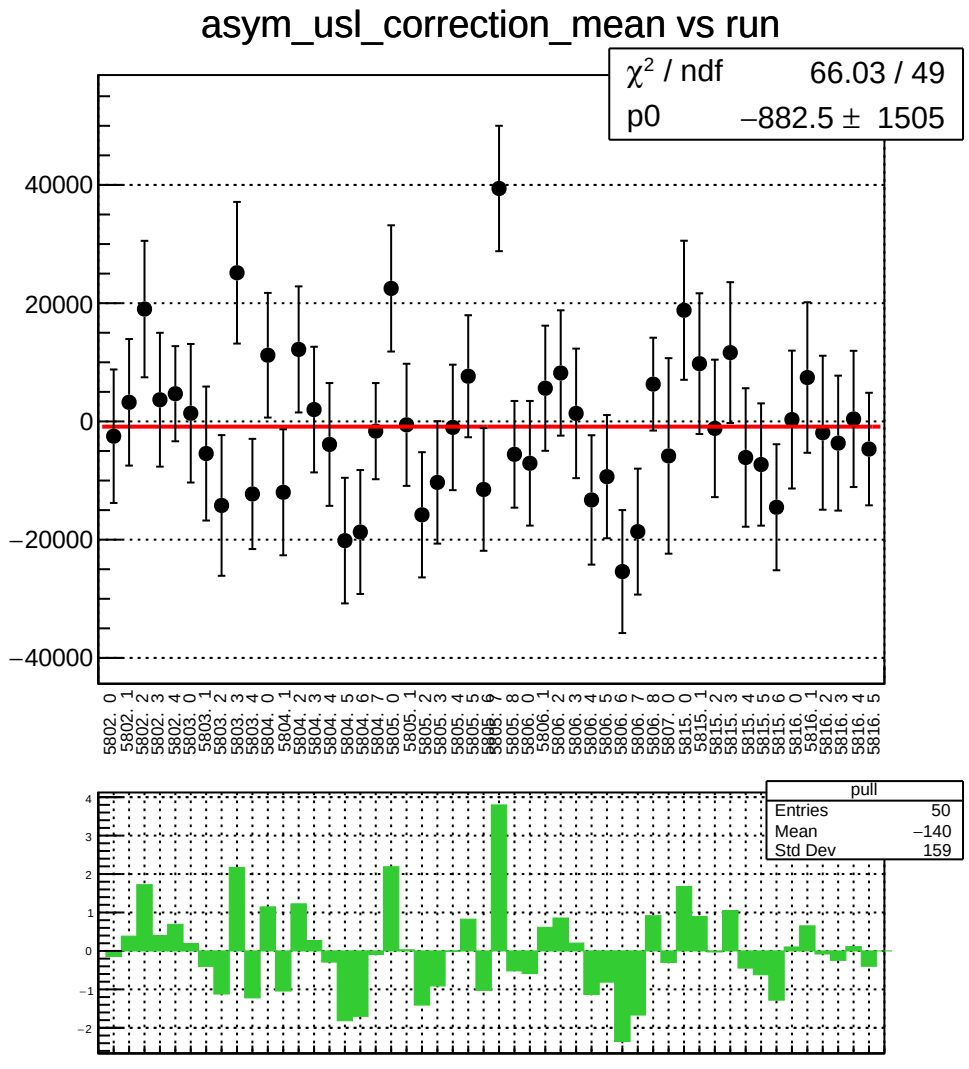

pull1D
Entries 50
Mean 0.008878
Std Dev 1.067

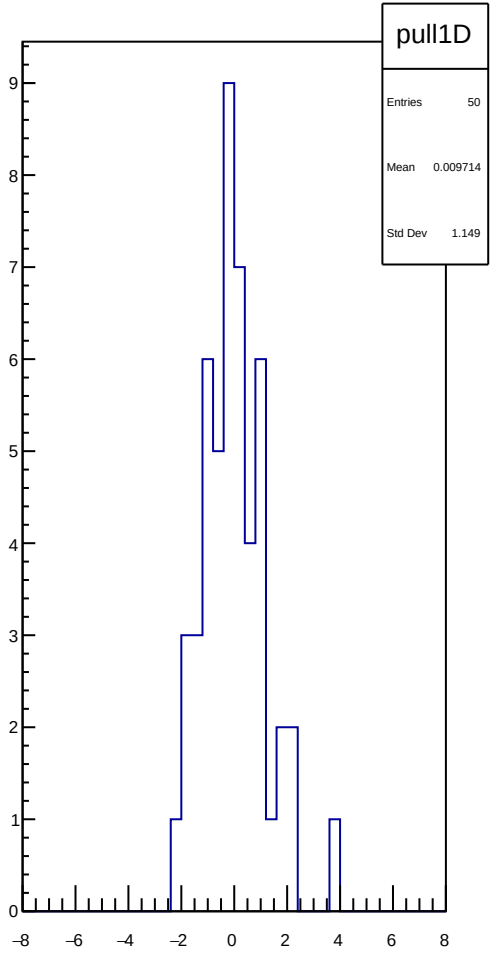

asym_us_dd_rms vs run
χ² / ndf 370.6 / 49
p0 920.3 ± 0.9355
980
960
940
920
900
880
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806.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

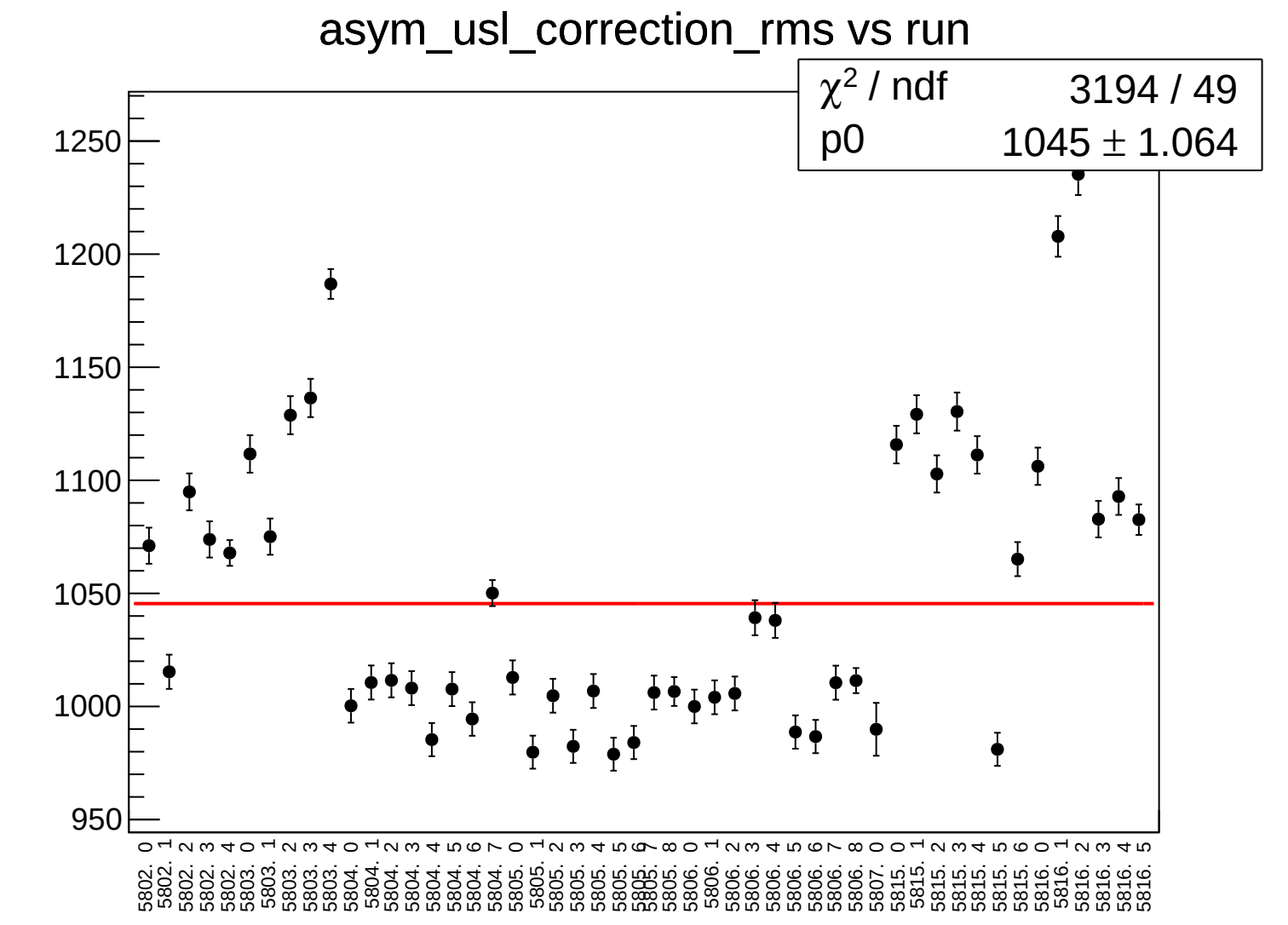

dit_asym_usl_mean vs run
χ² / ndf 45.27 / 49
p0 2110 ± 1570
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 620
Std Dev 596
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

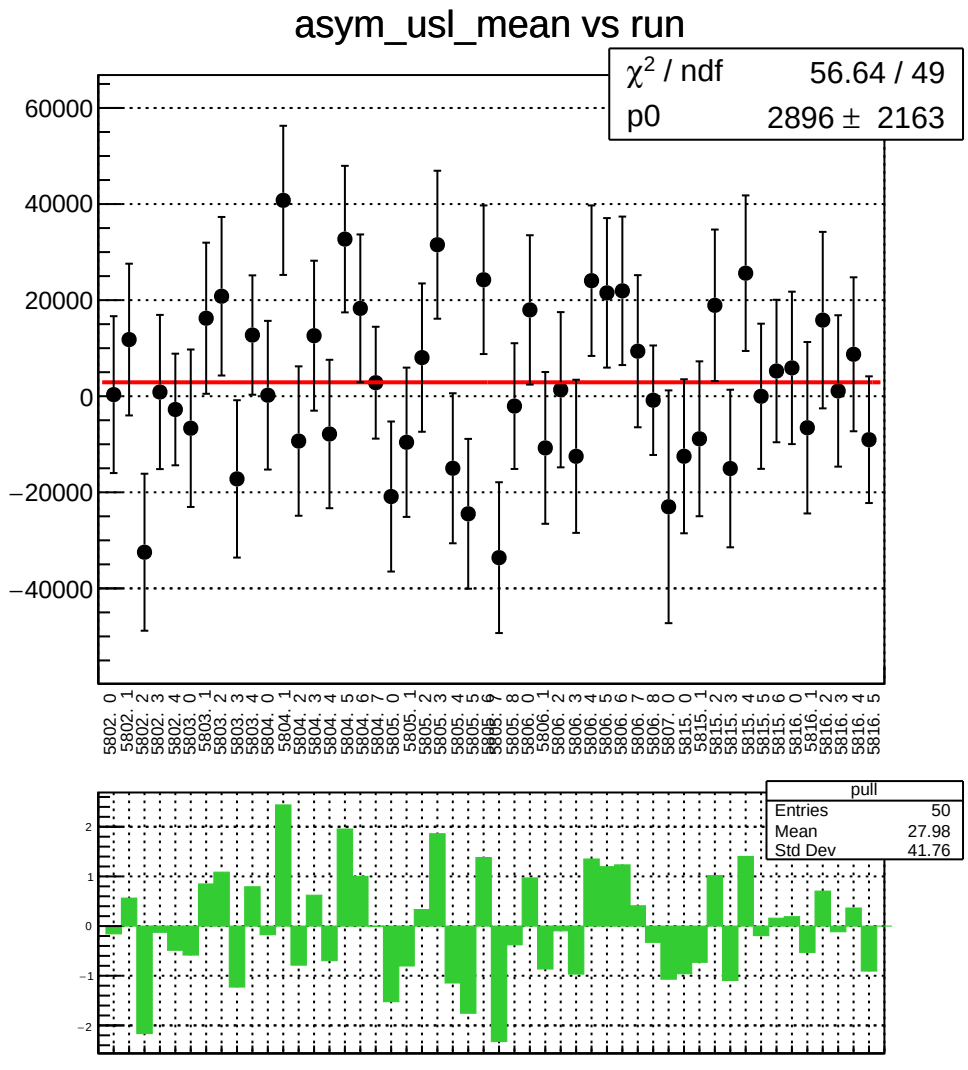

pull1D
Entries 50
Mean −0.002318
Std Dev 0.9515
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

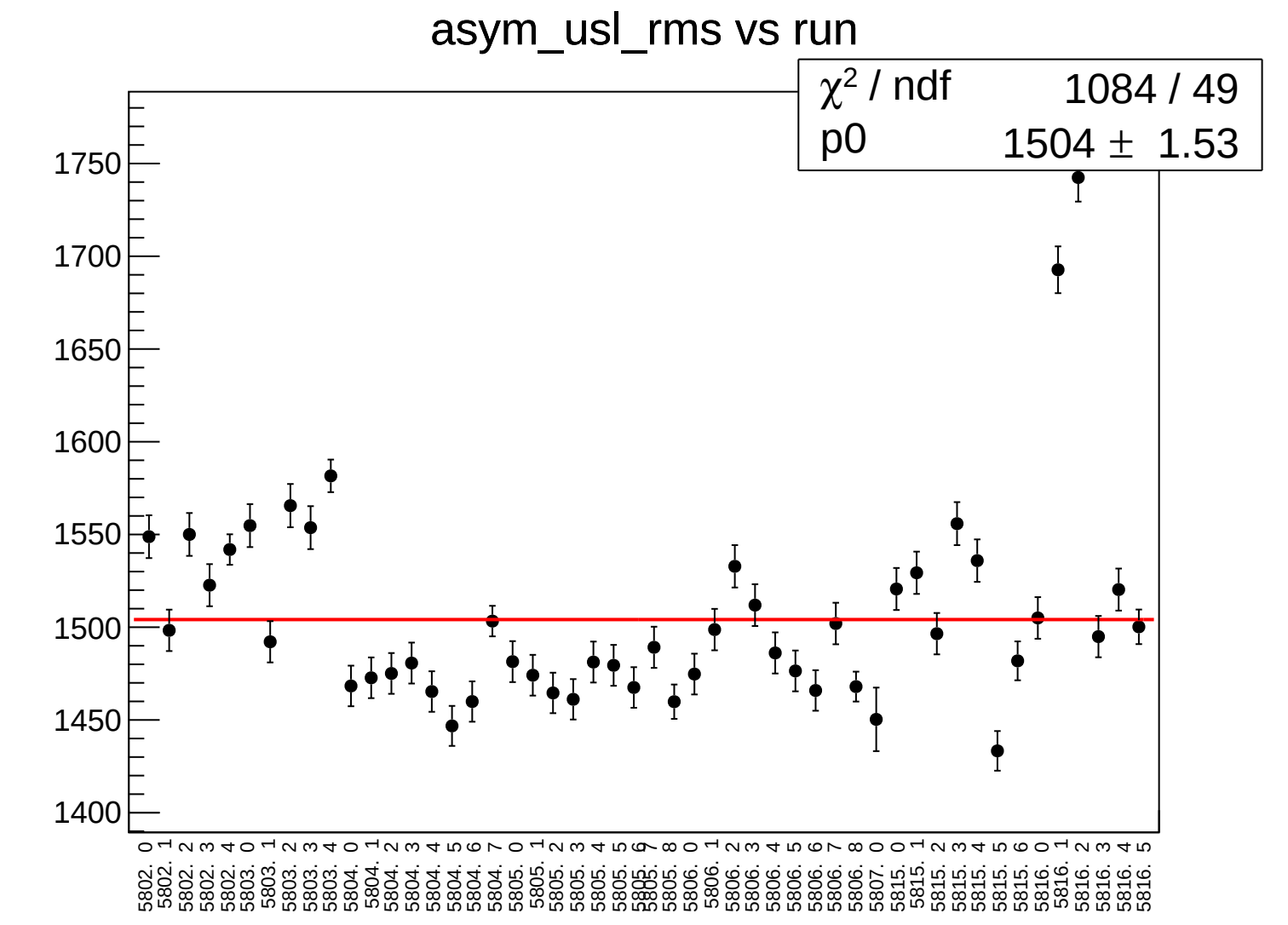

dit_asym_usl_rms vs run
χ² / ndf 55.5 / 49
p0 1092 ± 1.11
1120
1110
1100
1090
1080
1070
1060
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
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5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 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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5816. 0
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5816. 2
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5816. 4
5816. 5

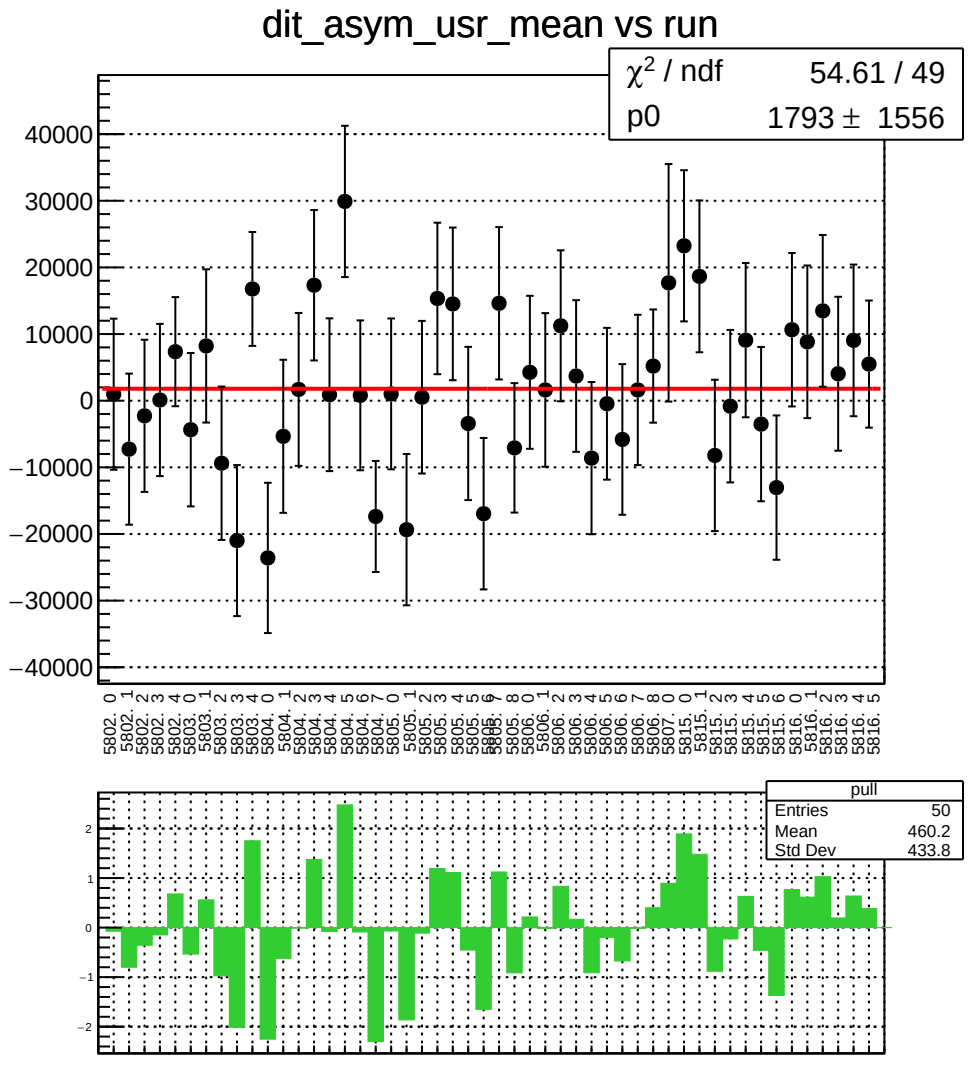

asym_usl_correction_mean vs run
χ² / ndf 66.03 / 49
p0 −882.5 ± 1505
40000
20000
0
−20000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 −140
Std Dev 159
4
3
2
1
0
−1
−2

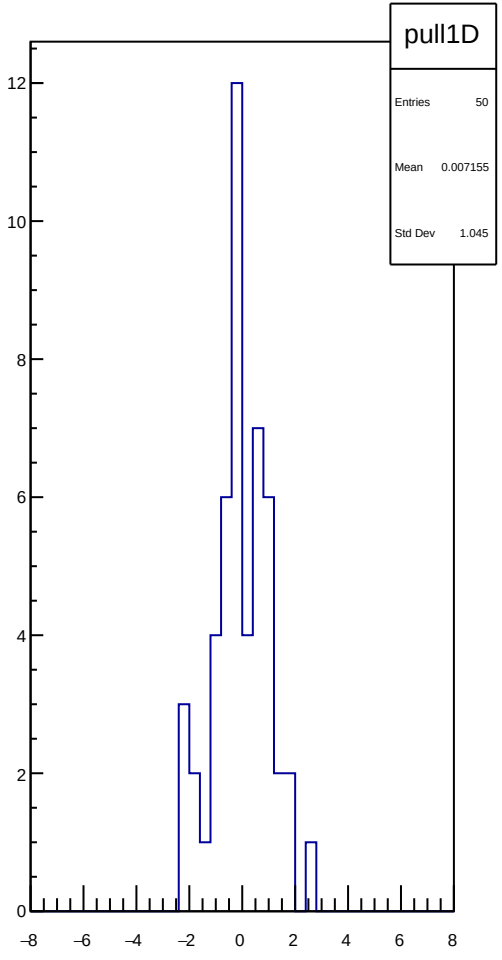

pull1D
Entries 50
Mean 0.009714
Std Dev 1.149
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

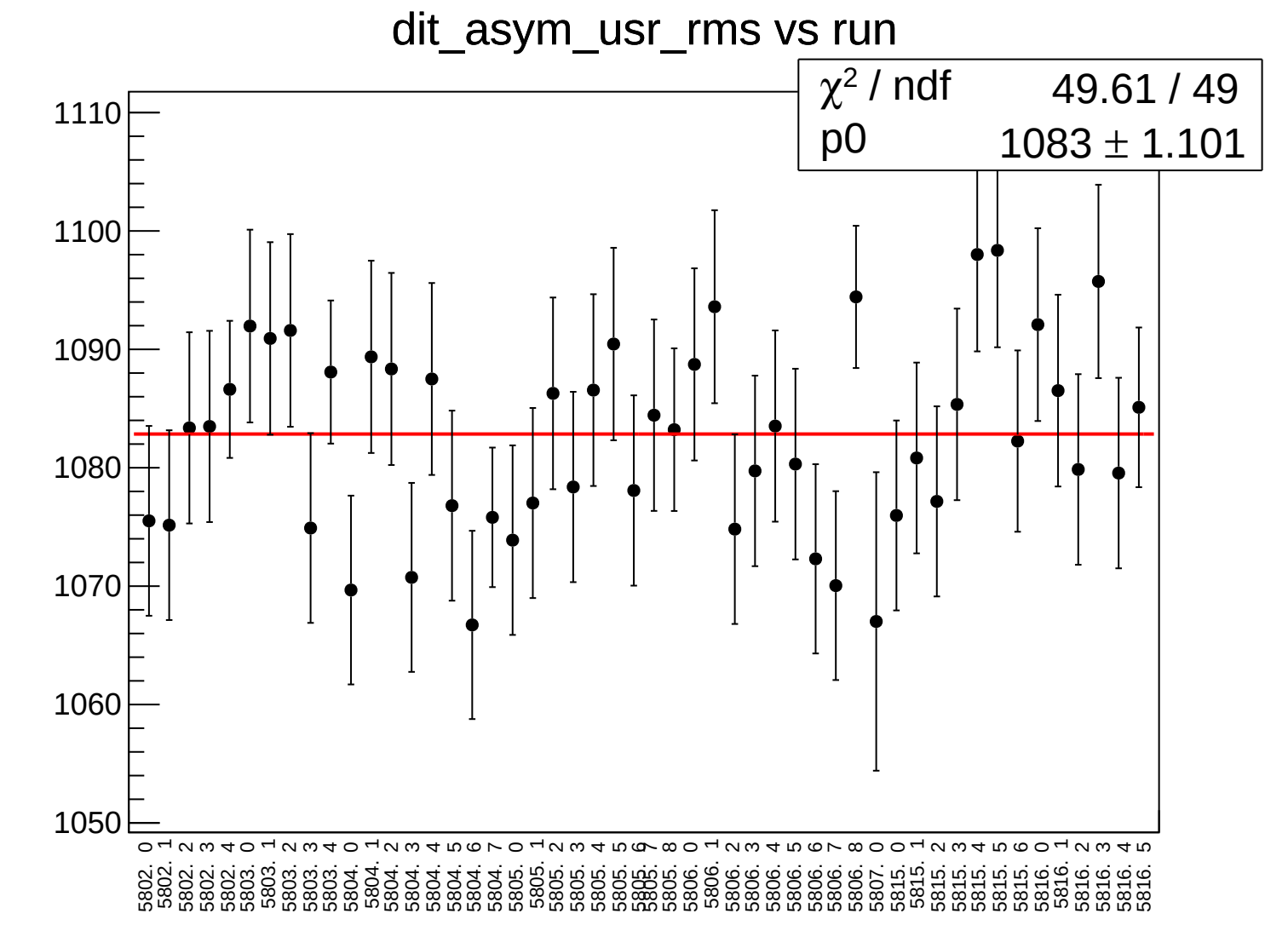

asym_usl_correction_rms vs run
χ² / ndf 3194 / 49
p0 1045 ± 1.064
1250
1200
1150
1100
1050
1000
950
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

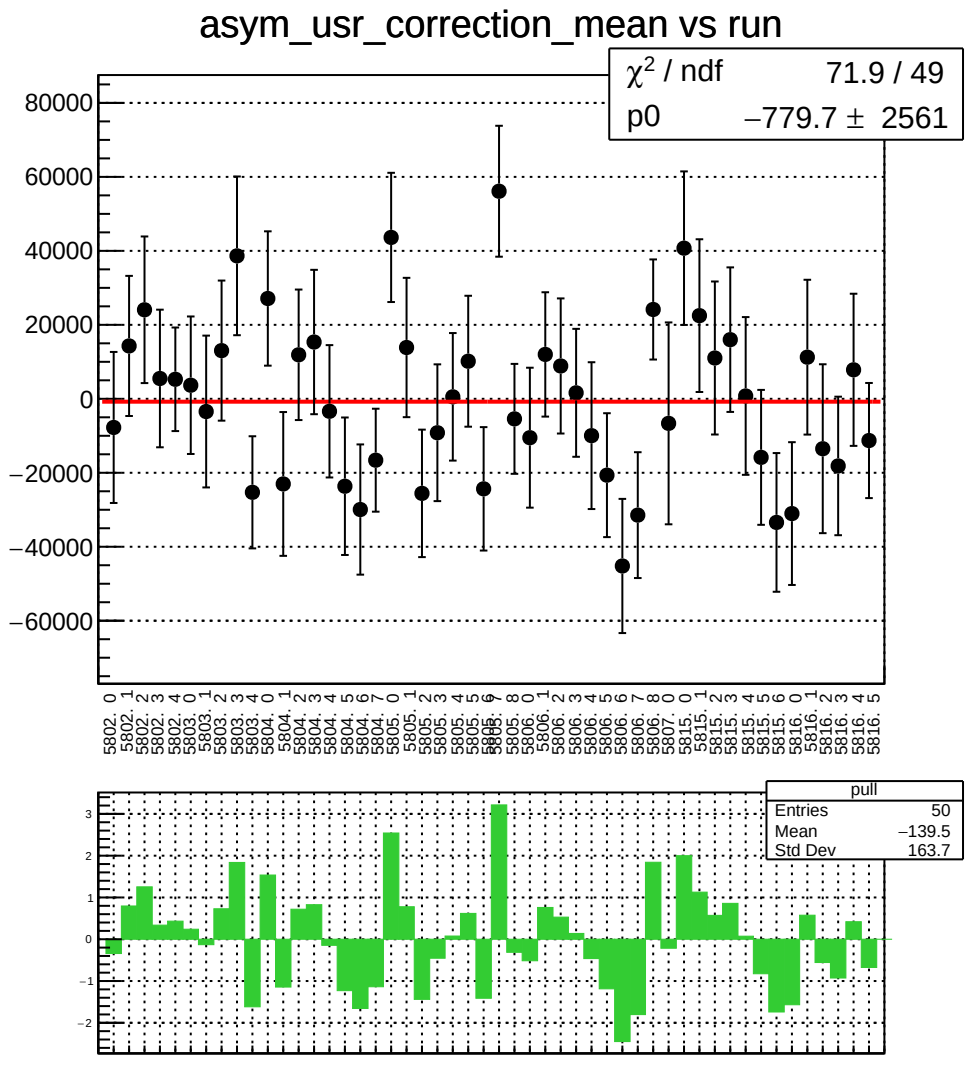

asym_usl_mean vs run
χ^2 / ndf 56.64 / 49
p0 2896 ± 2163
60000
40000
20000
0
−20000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

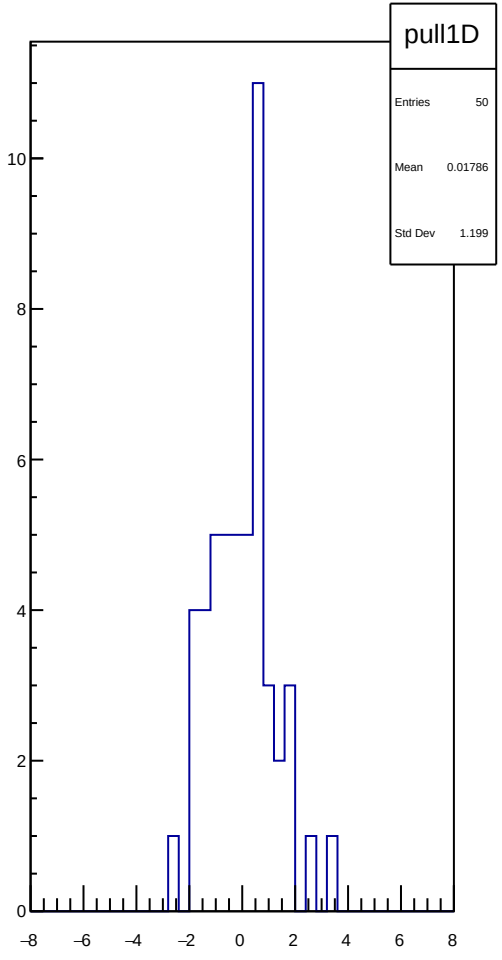

asym_usl_rms vs run
χ² / ndf 1084 / 49
p0 1504 ± 1.53
1750
1700
1650
1600
1550
1500
1450
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7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

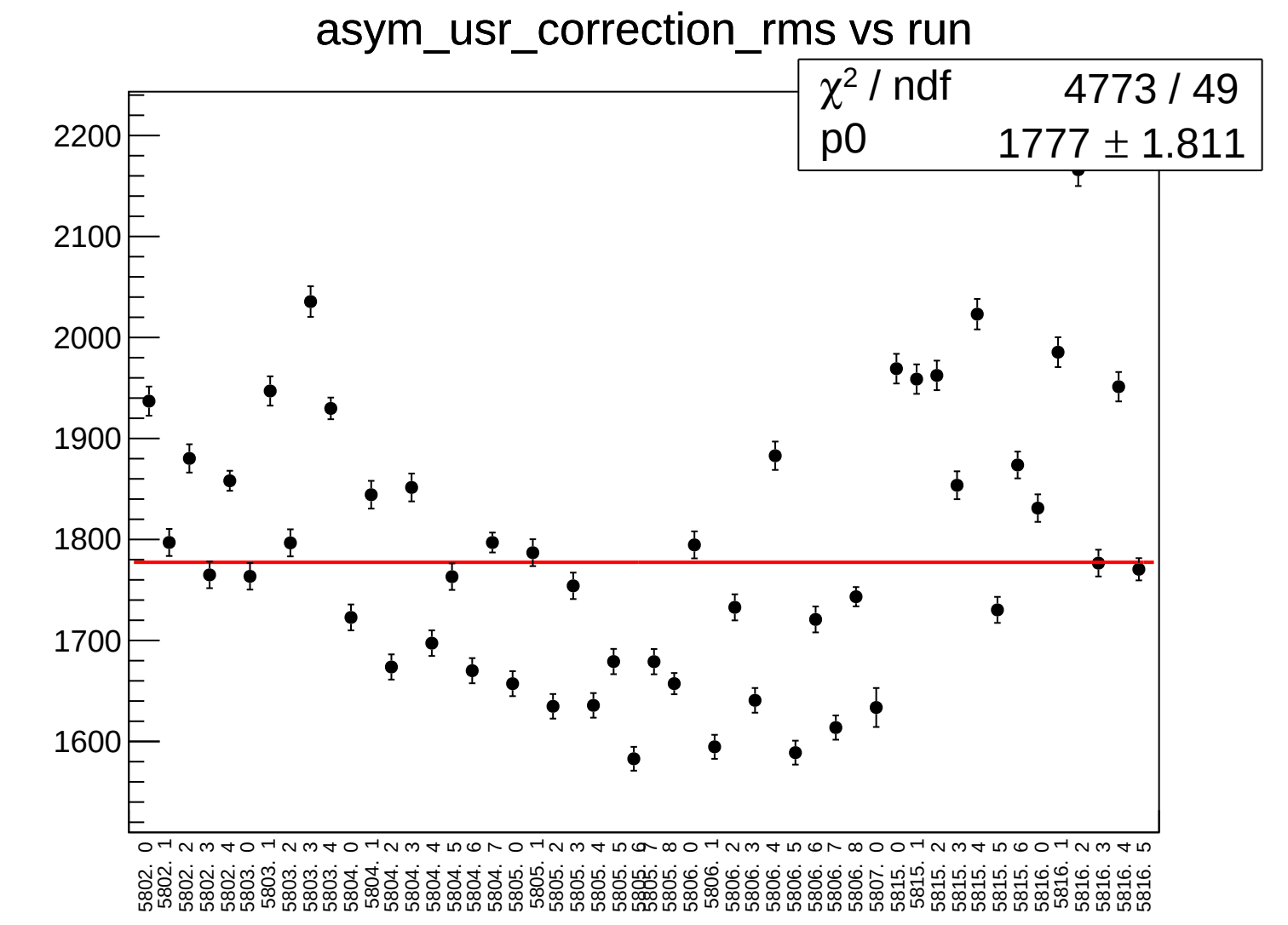

dit_asym_usr_mean vs run
χ² / ndf 54.61 / 49
p0 1793 ± 1556
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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 460.2
Std Dev 433.8
2
1
0
−1
−2

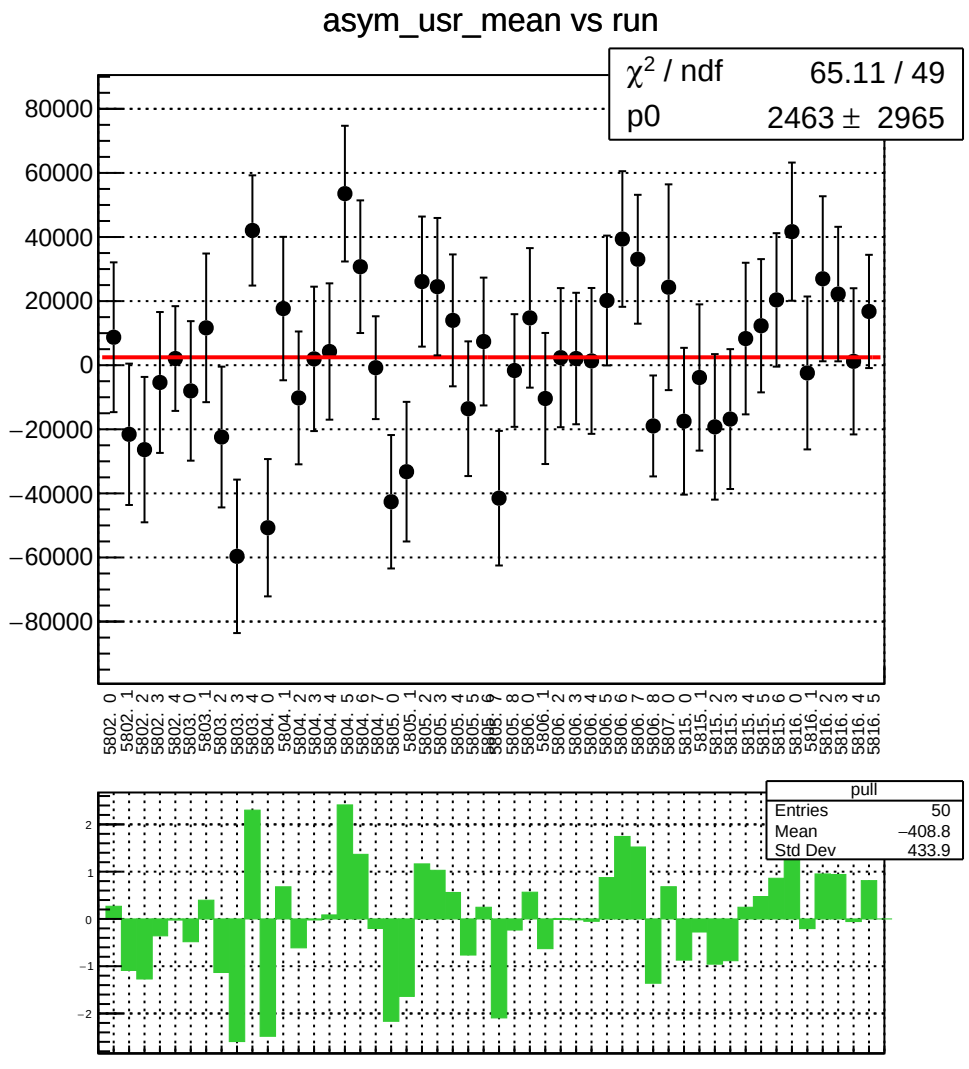

pull1D
Entries 50
Mean 0.007155
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

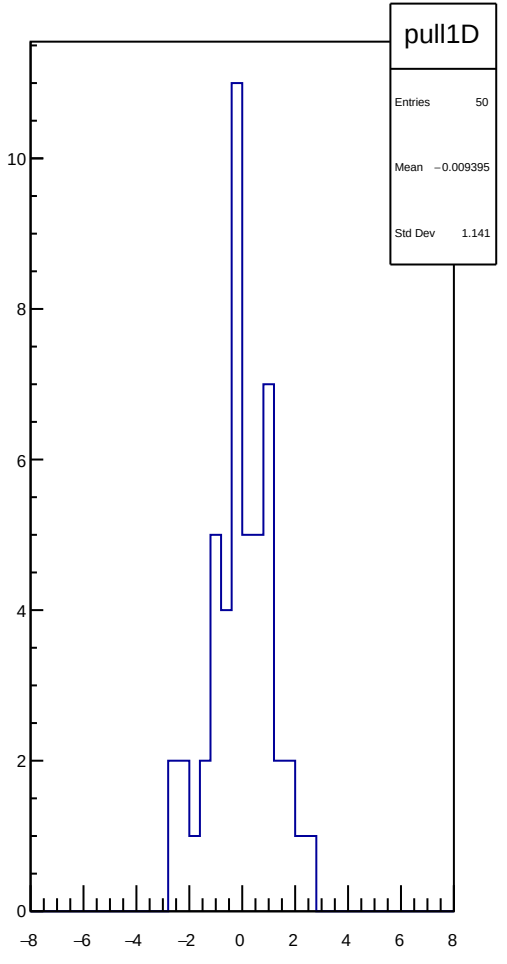

dit_asym_usr_rms vs run
χ² / ndf 49.61 / 49
p0 1083 ± 1.101
1110
1100
1090
1080
1070
1060
1050
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

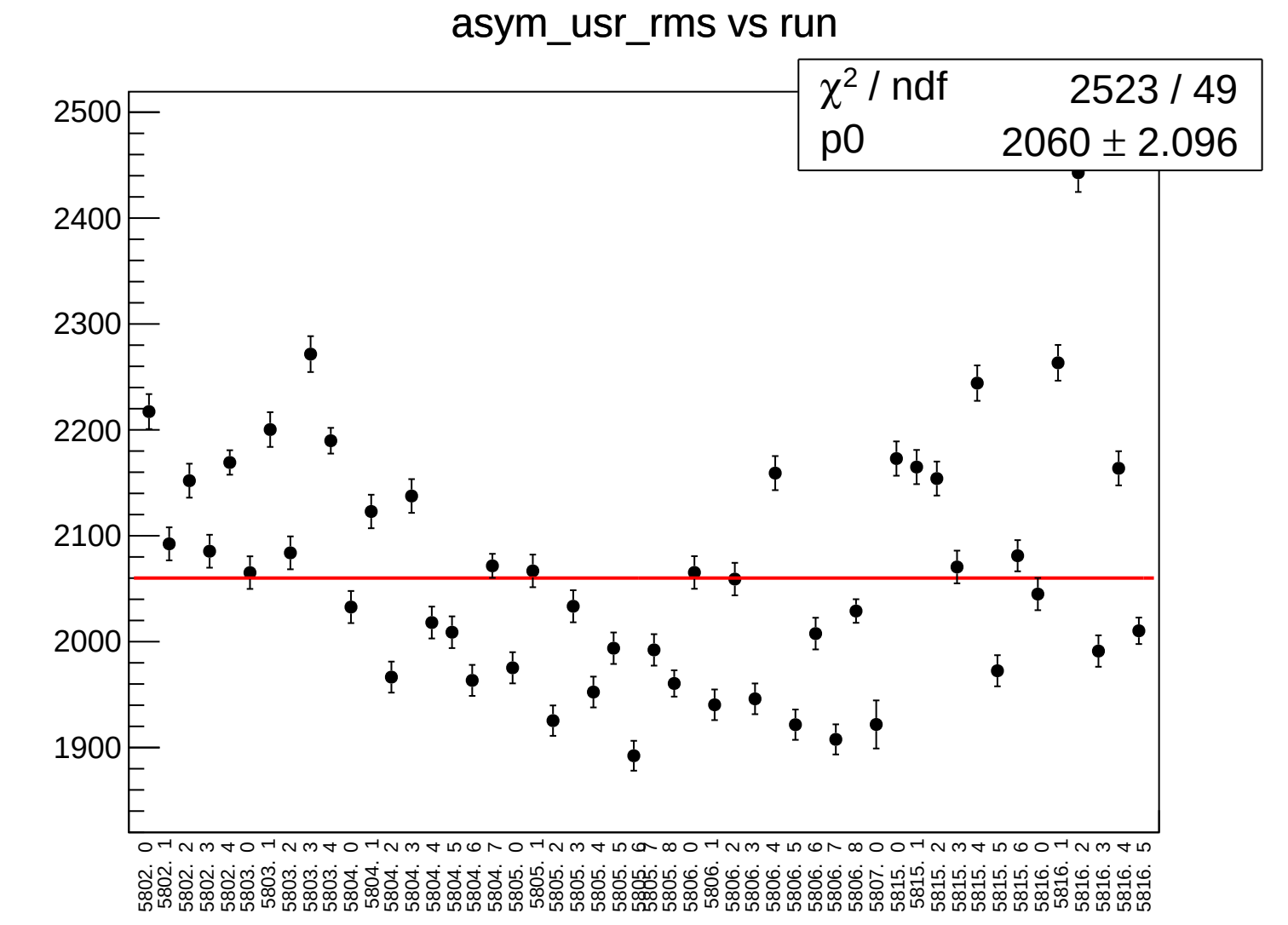

asym_usr_correction_mean vs run
χ² / ndf 71.9 / 49
p0 −779.7 ± 2561
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −139.5
Std Dev 163.7
3
2
1
0
−1
−2

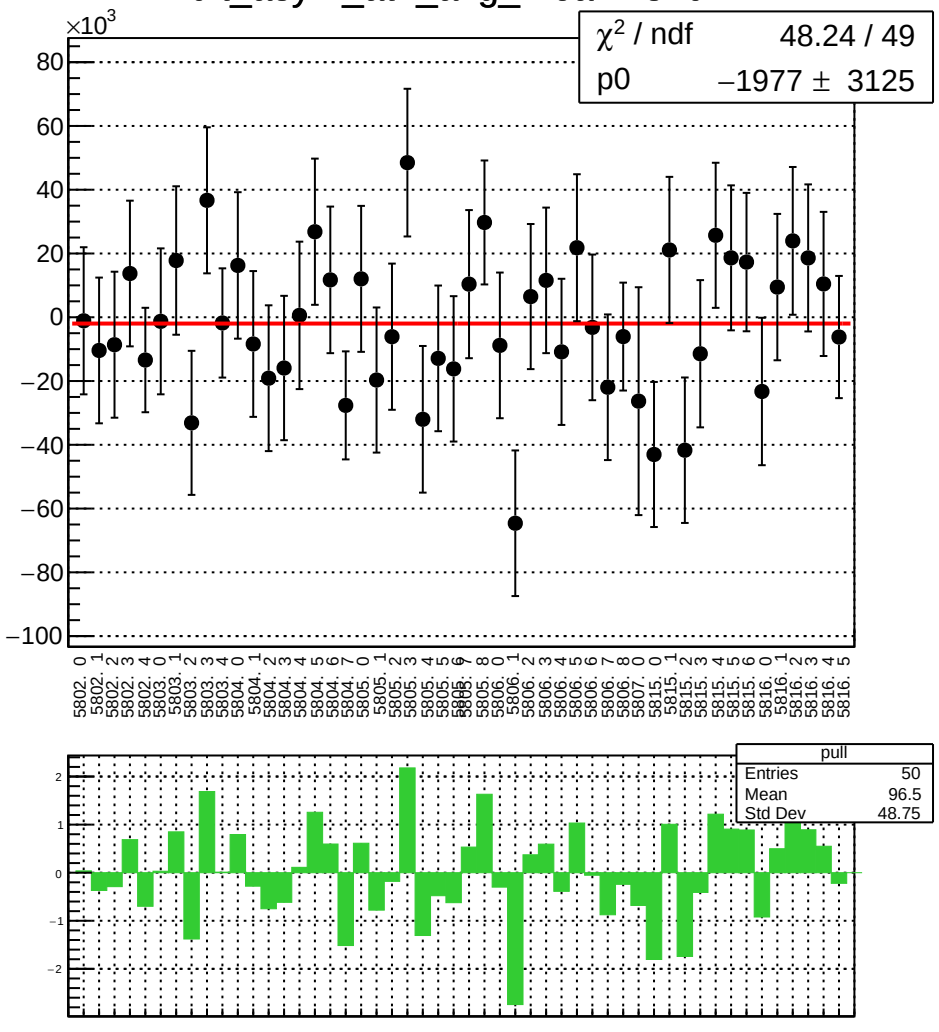

pull1D
Entries 50
Mean 0.01786
Std Dev 1.199
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

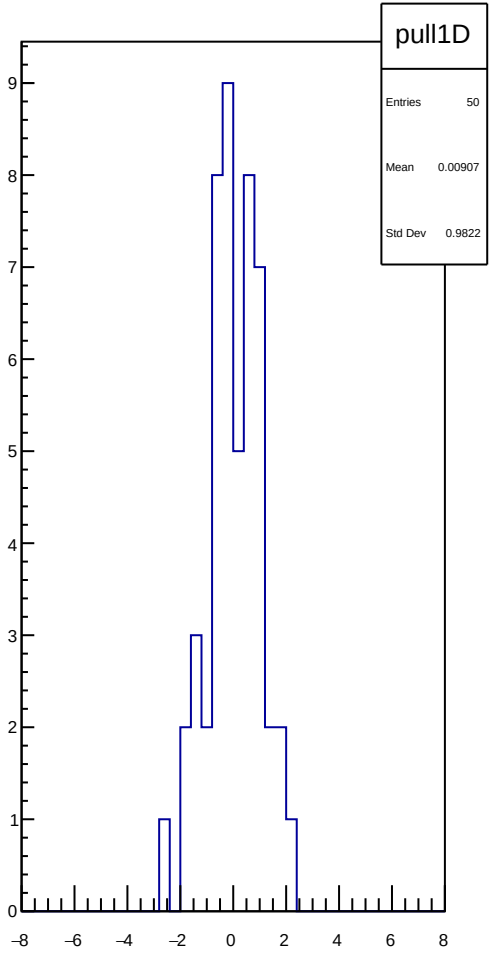

asym_usr_correction_rms vs run
χ² / ndf 4773 / 49
p0 1777 ± 1.811
2200
2100
2000
1900
1800
1700
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
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

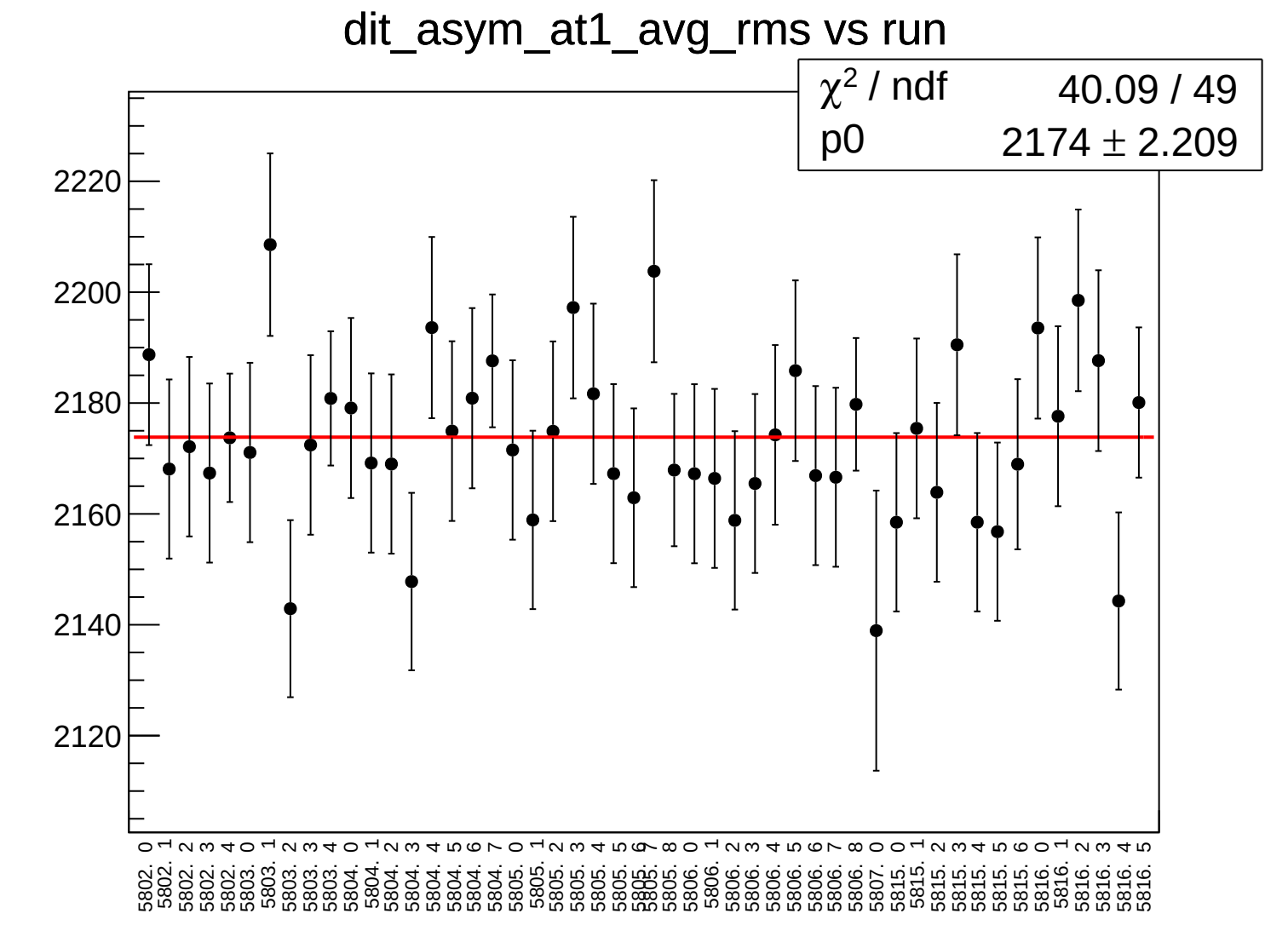

asym_usr_mean vs run
χ² / ndf 65.11 / 49
p0 2463 ± 2965
pull
Entries 50
Mean −408.8
Std Dev 433.9

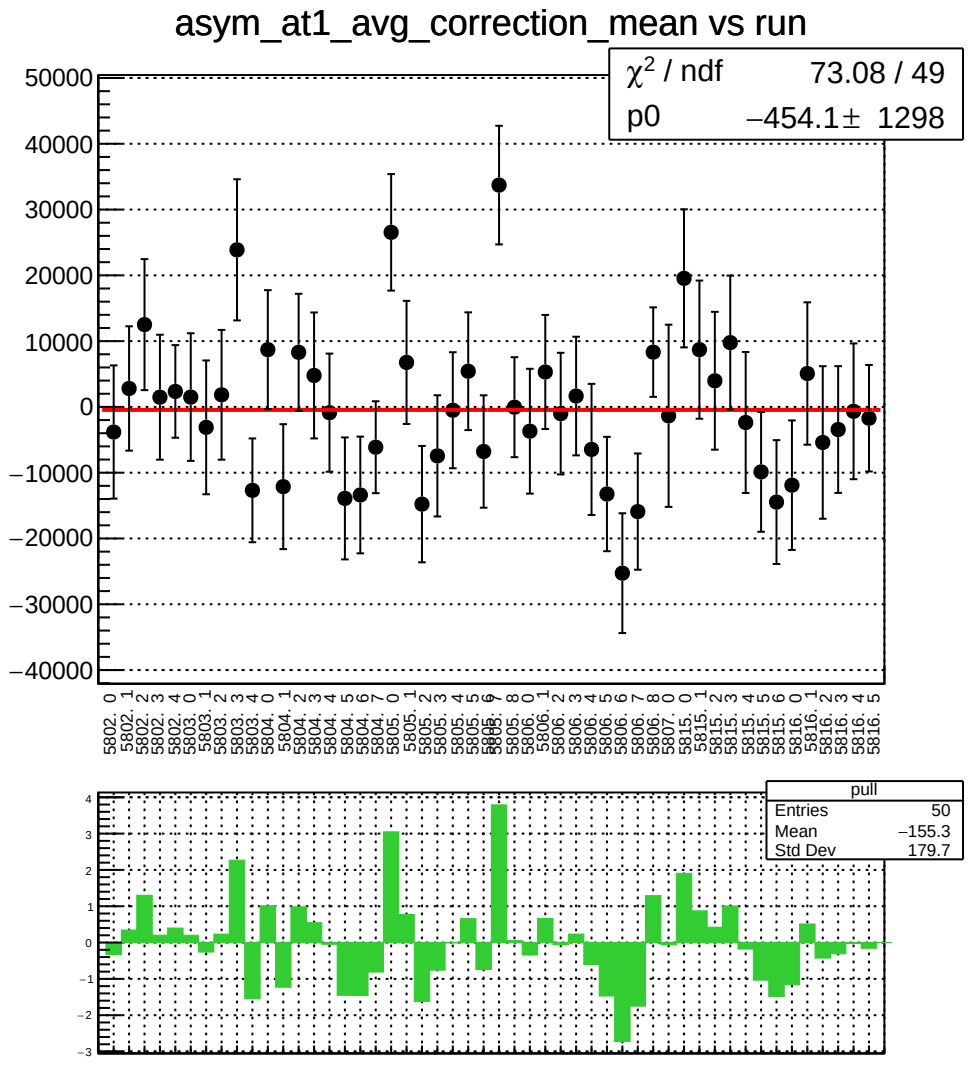

pull1D
Entries 50
Mean −0.009395
Std Dev 1.141

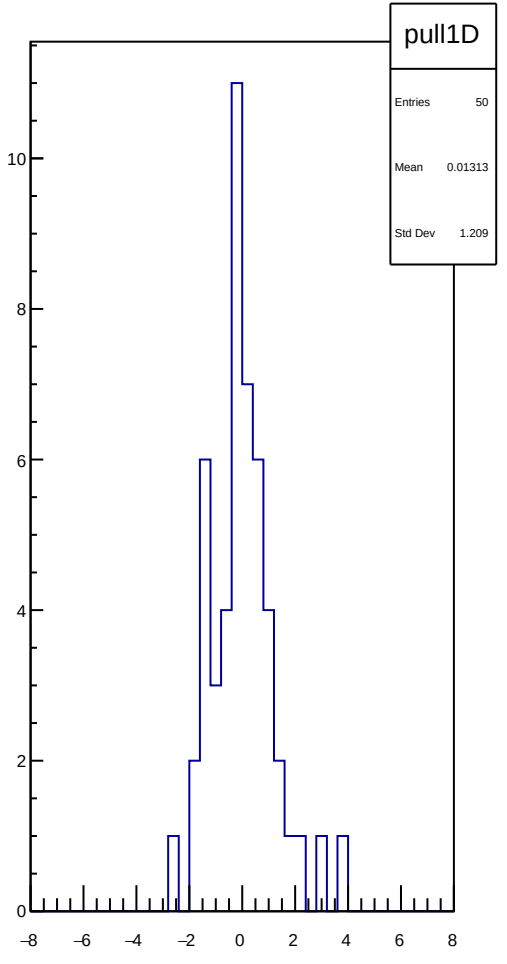

asym_usr_rms vs run
χ² / ndf 2523 / 49
p0 2060 ± 2.096
2500
2400
2300
2200
2100
2000
1900
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805.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

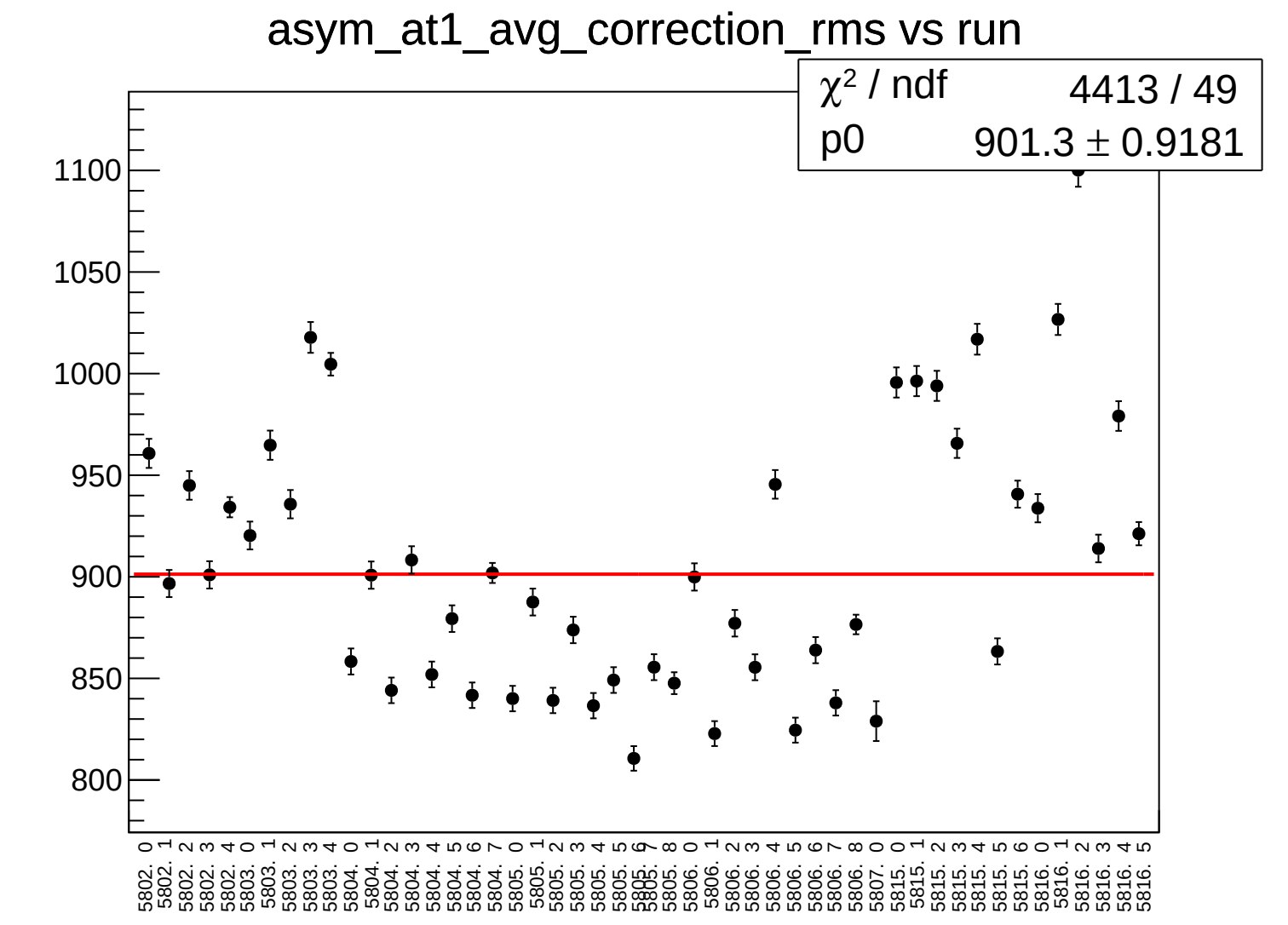

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 48.24 / 49
p0 −1977 ± 3125
pull
Entries 50
Mean 96.5
Std Dev 48.75

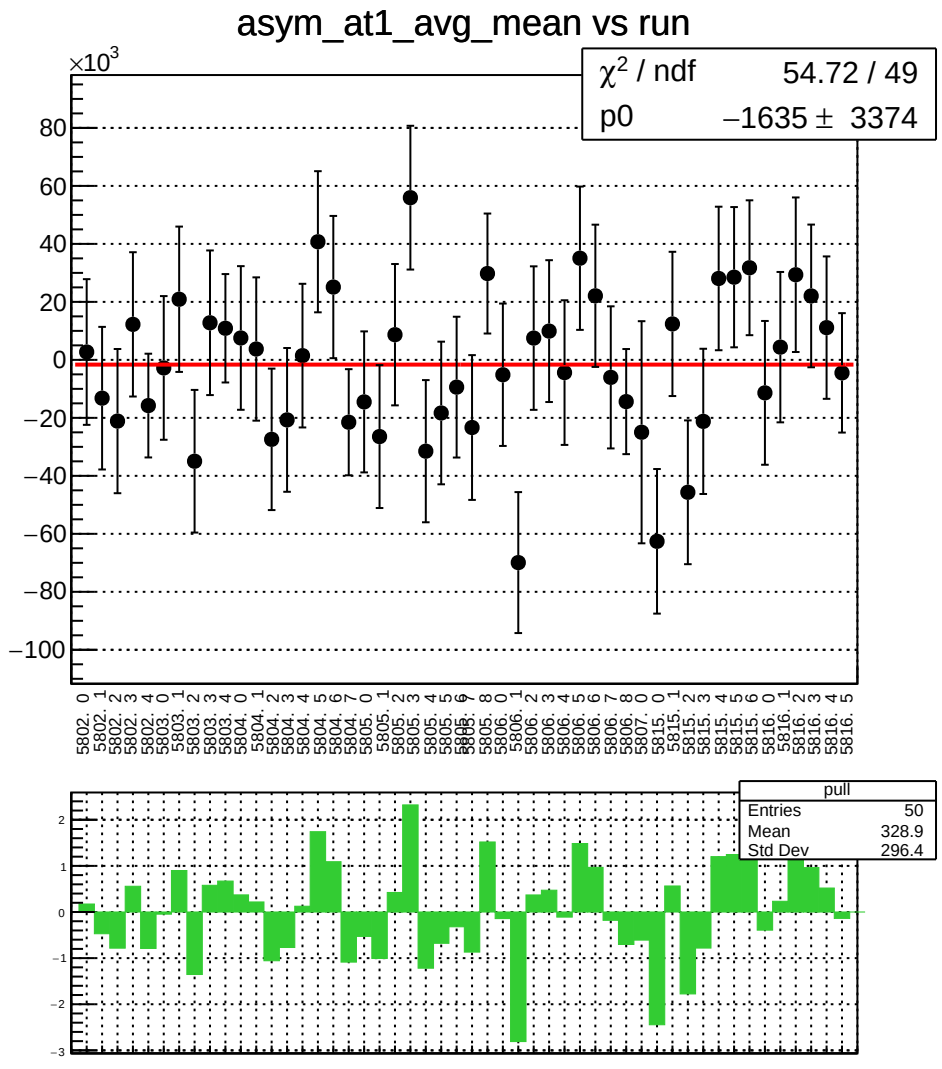

pull1D
Entries 50
Mean 0.00907
Std Dev 0.9822

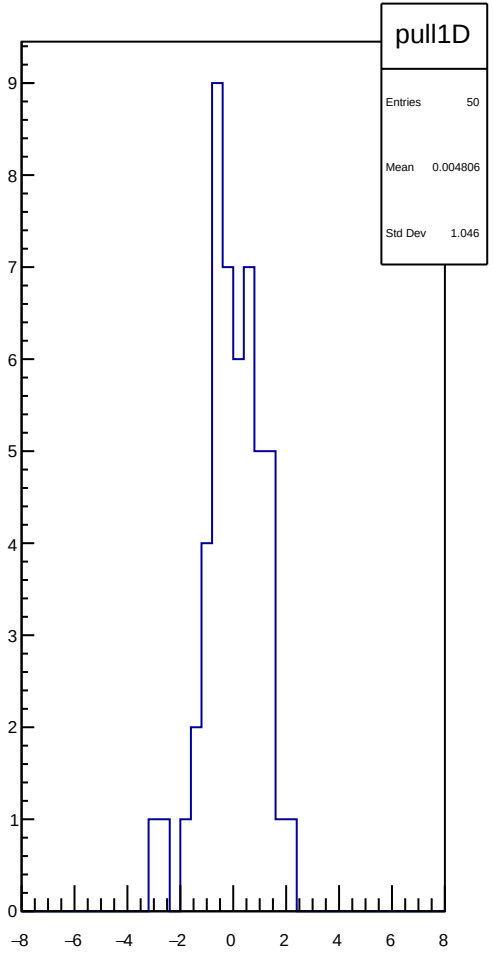

dit_asym_at1_avg_rms vs run
χ² / ndf 40.09 / 49
p0 2174 ± 2.209
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

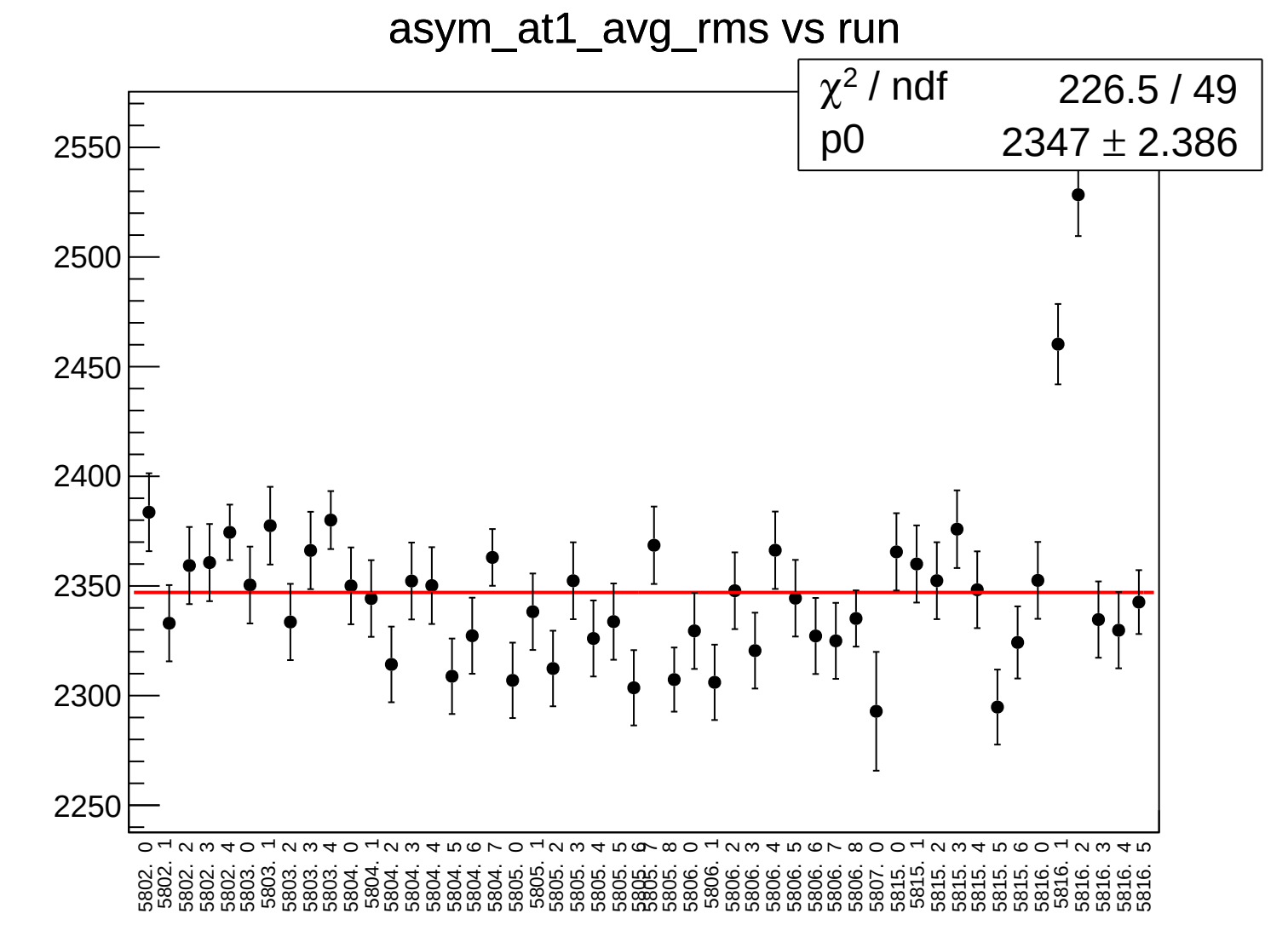

asym_at1_avg_correction_mean vs run
χ² / ndf 73.08 / 49
p0 −454.1± 1298
pull
Entries 50
Mean −155.3
Std Dev 179.7

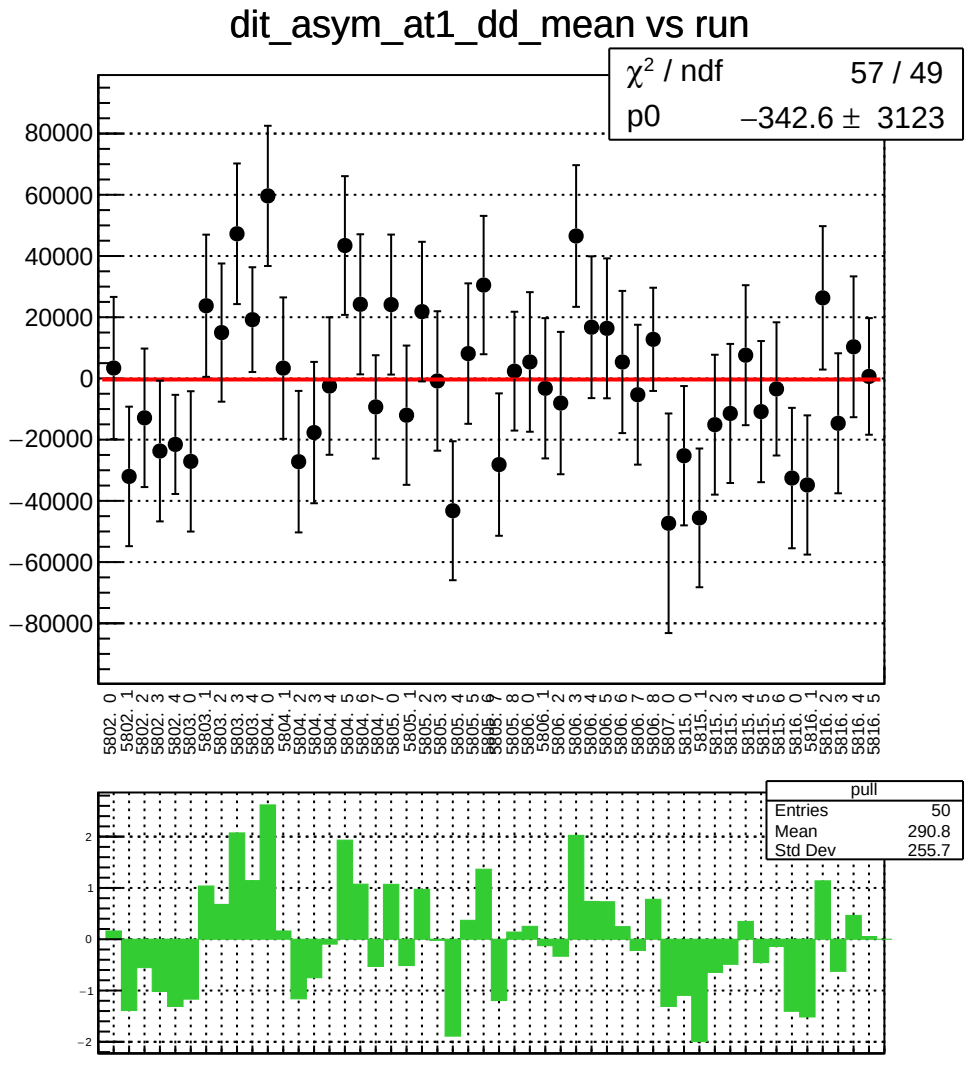

pull1D
Entries 50
Mean 0.01313
Std Dev 1.209

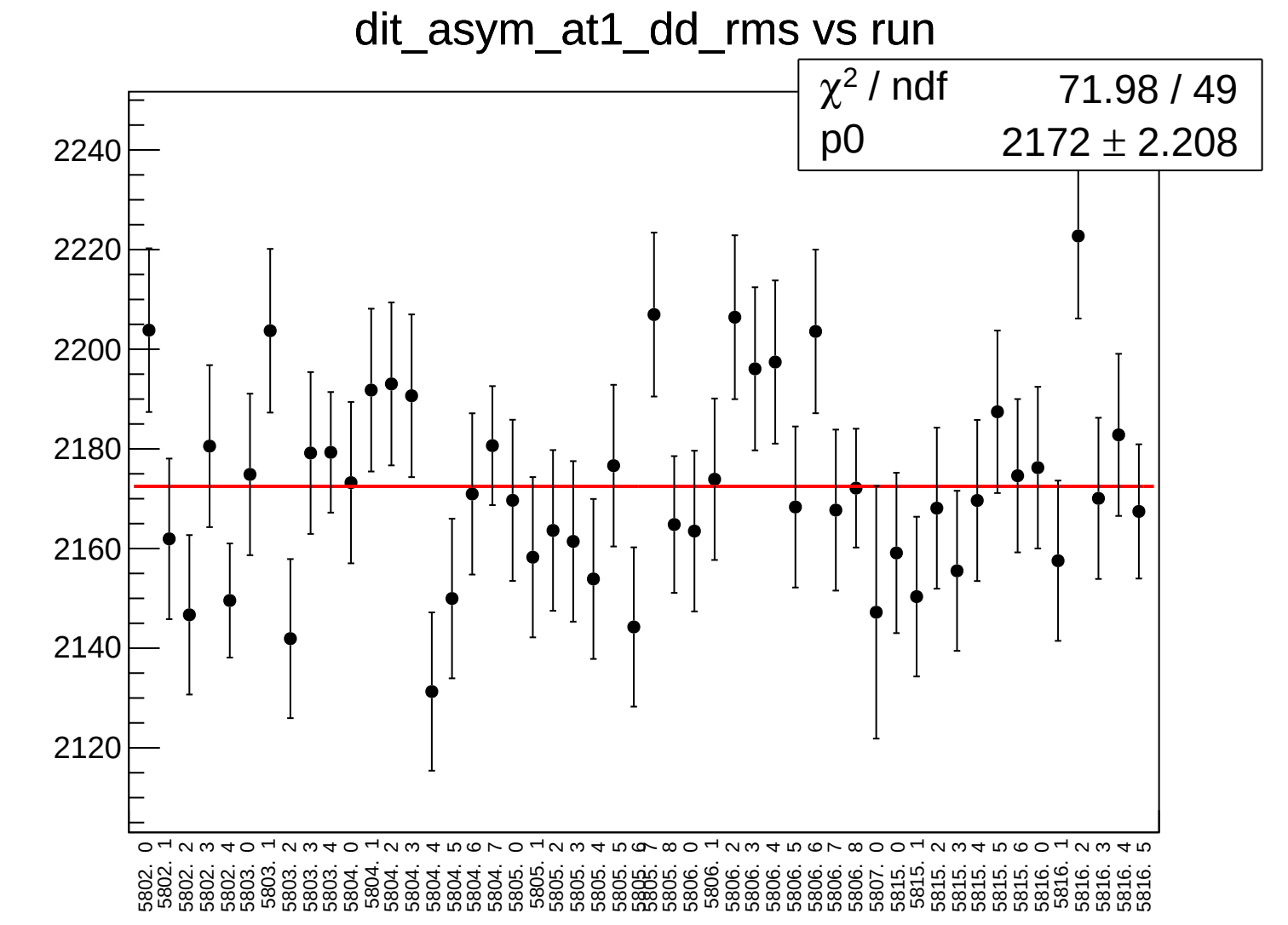

asym_at1_avg_correction_rms vs run
χ² / ndf 4413 / 49
p0 901.3 ± 0.9181
1100
1050
1000
950
900
850
800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

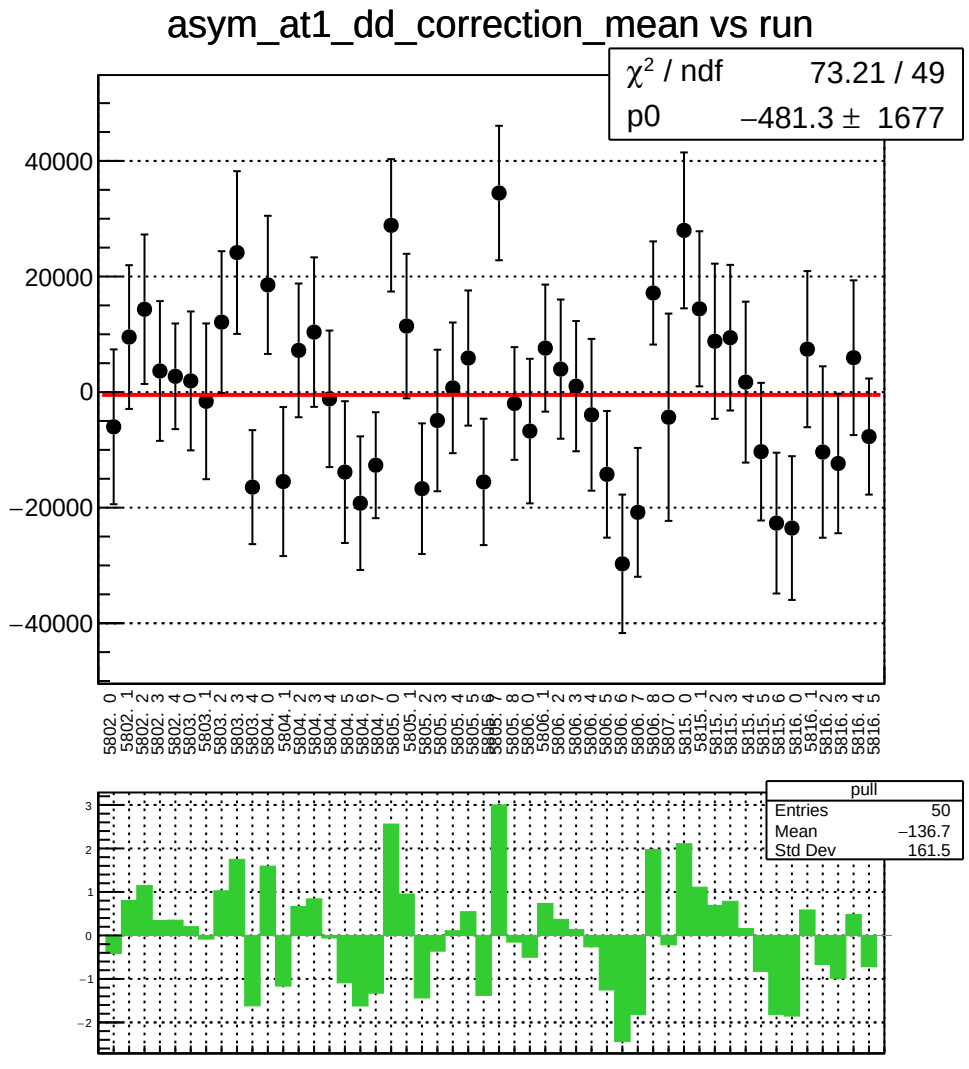

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 54.72 / 49
p0 −1635 ± 3374
80
60
40
20
0
−20
−40
−60
−80
−100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

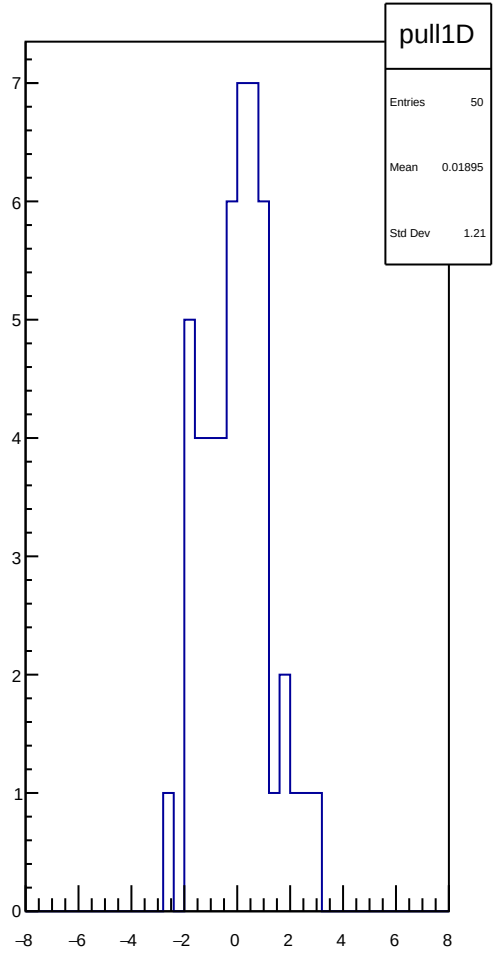

pull1D
Entries 50
Mean 0.004806
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

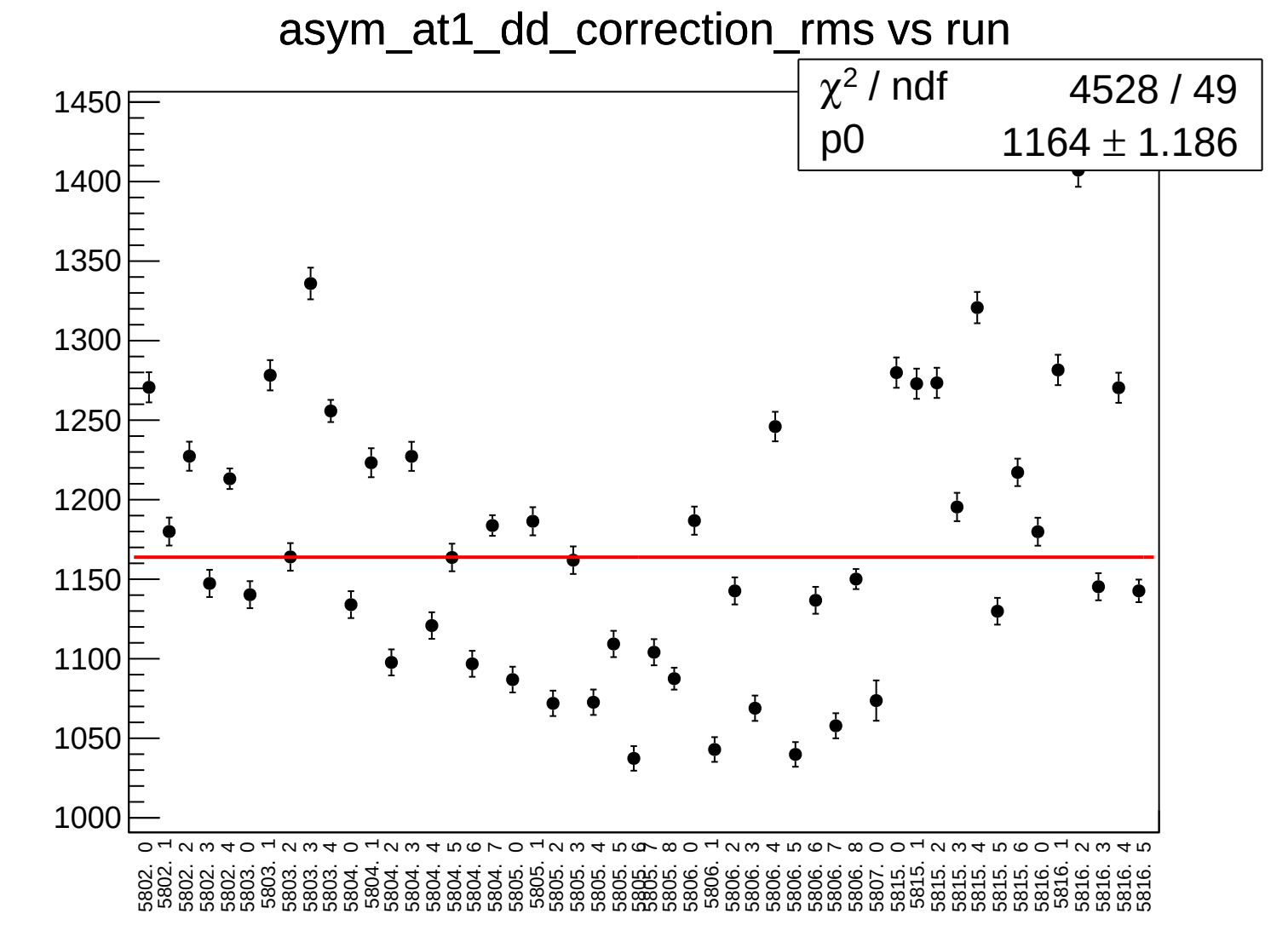

asym_at1_avg_rms vs run
χ^2 / ndf 226.5 / 49
p0 2347 ± 2.386
2550
2500
2450
2400
2350
2300
2250
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805.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

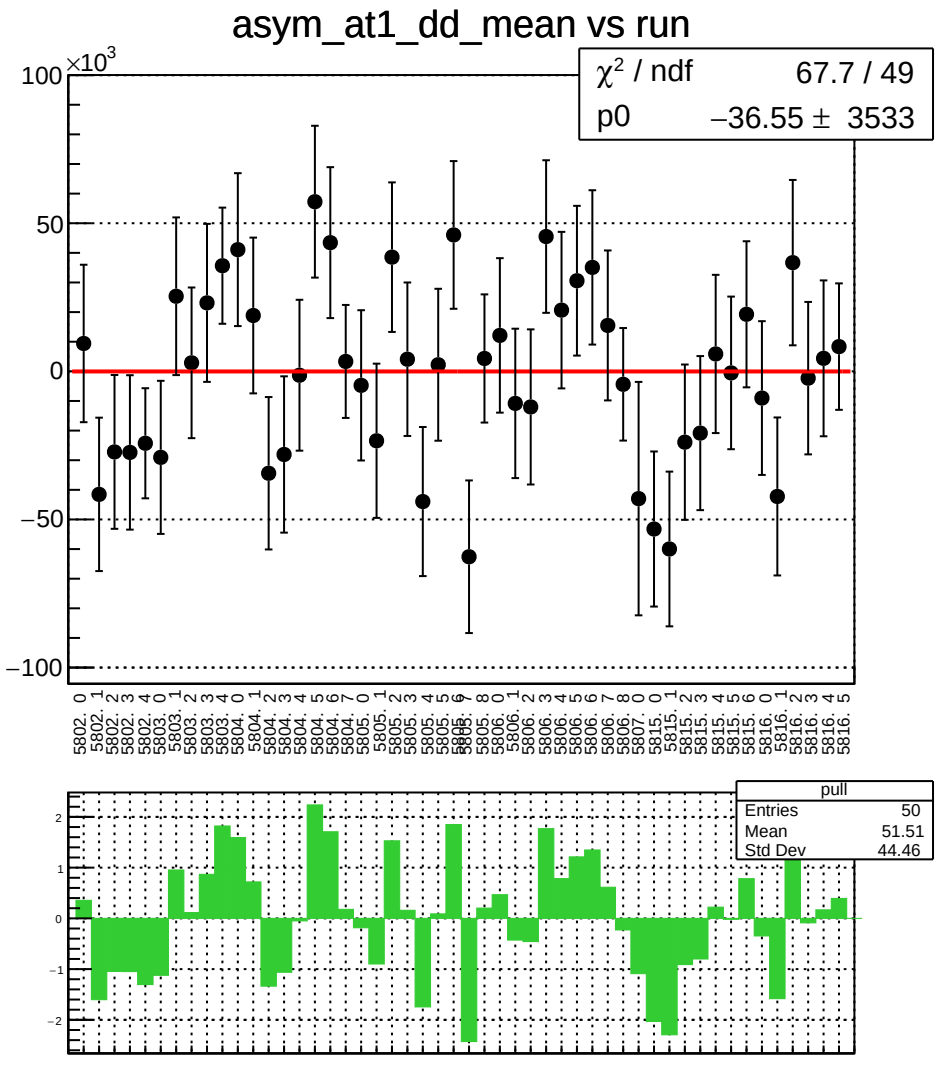

dit_asym_at1_dd_mean vs run
χ² / ndf 57 / 49
p0 −342.6 ± 3123
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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 290.8
Std Dev 255.7
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.007535
Std Dev 1.068
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

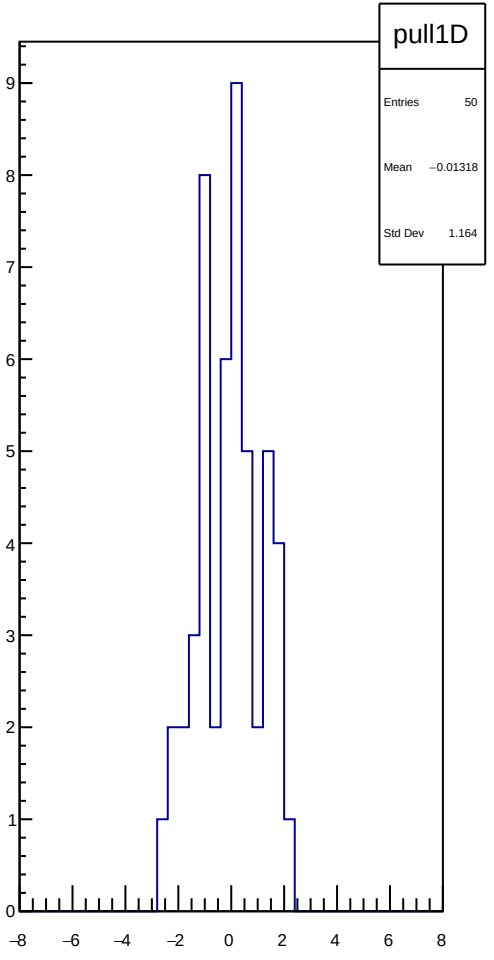

dit_asym_at1_dd_rms vs run
χ² / ndf 71.98 / 49
p0 2172 ± 2.208
2240
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

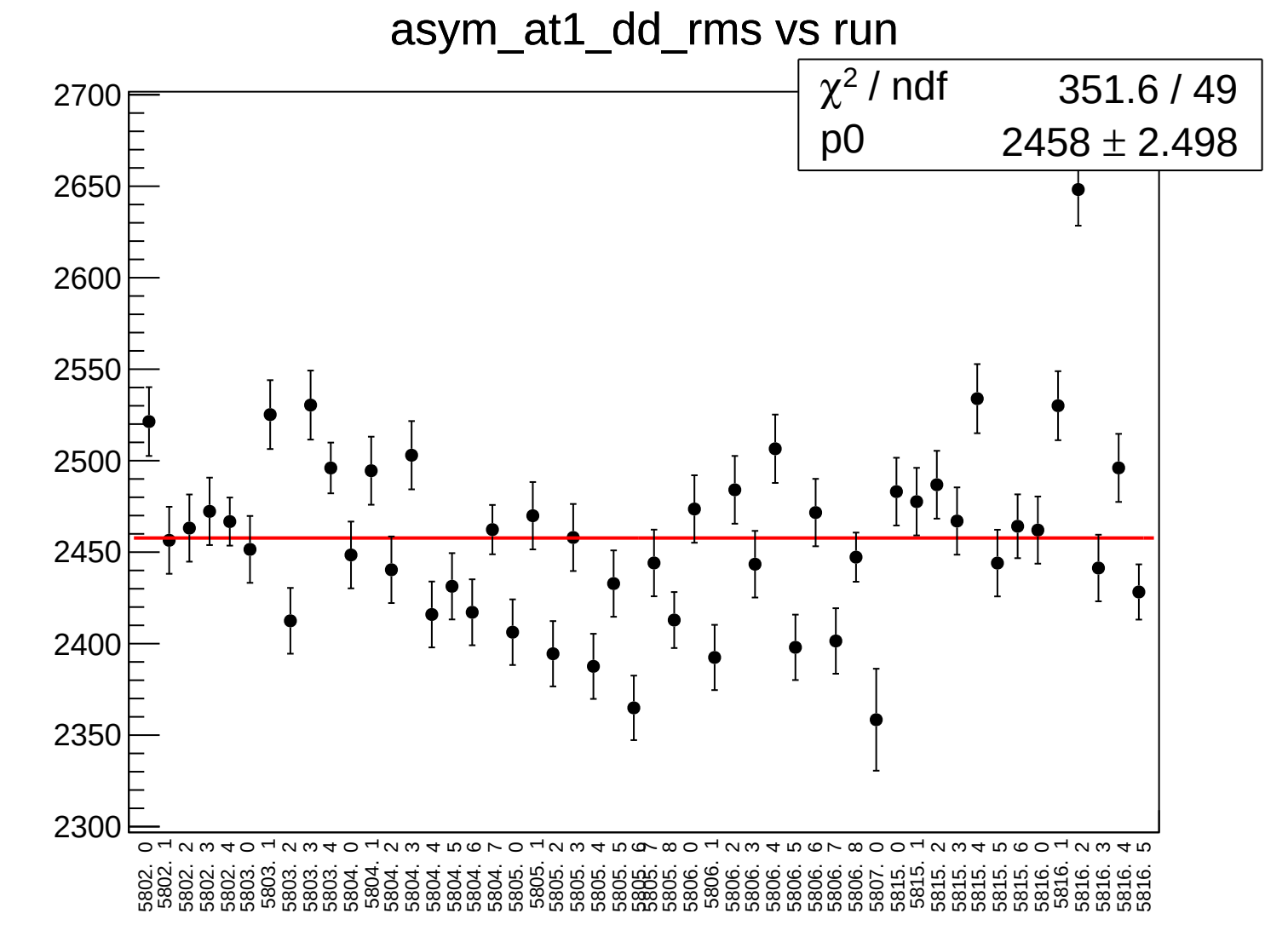

asym_at1_dd_correction_mean vs run
χ² / ndf 73.21 / 49
p0 −481.3 ± 1677
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −136.7
Std Dev 161.5
3
2
1
0
−1
−2

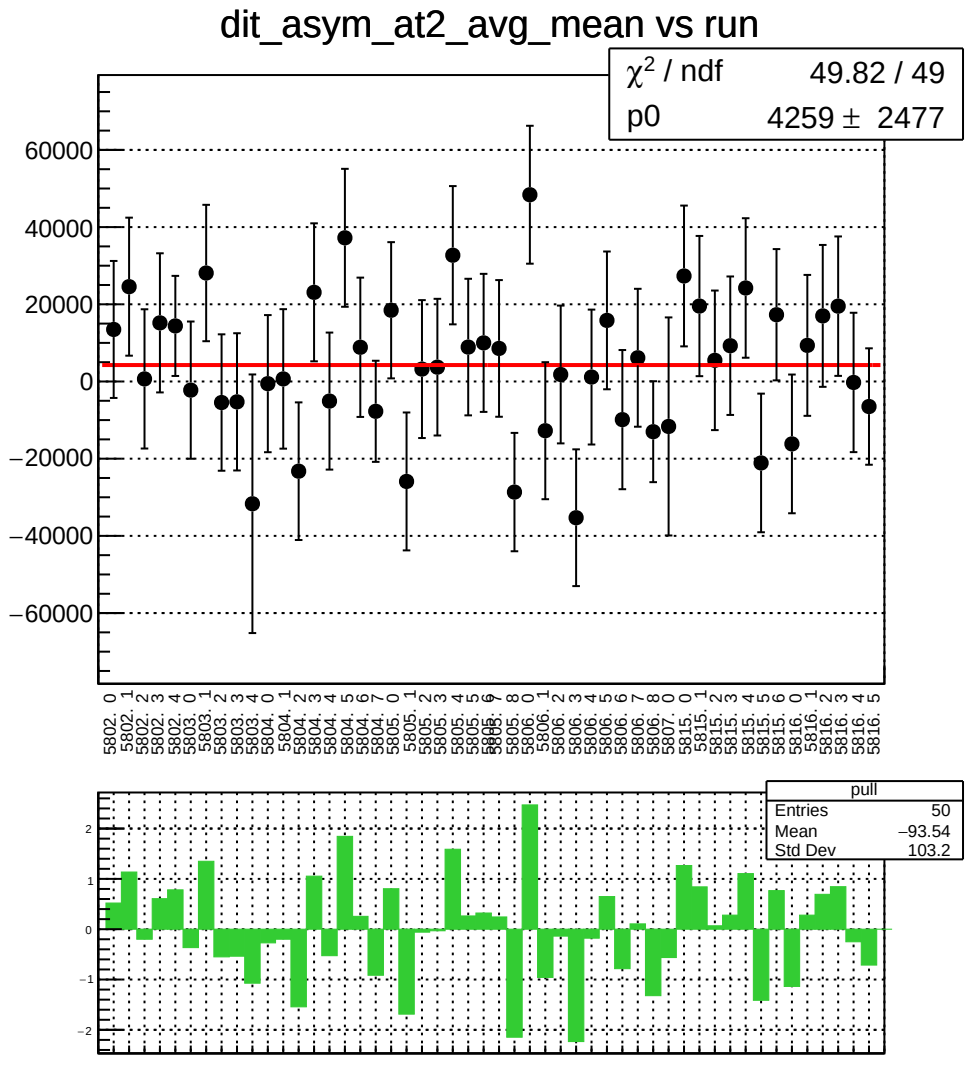

pull1D
Entries 50
Mean 0.01895
Std Dev 1.21
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

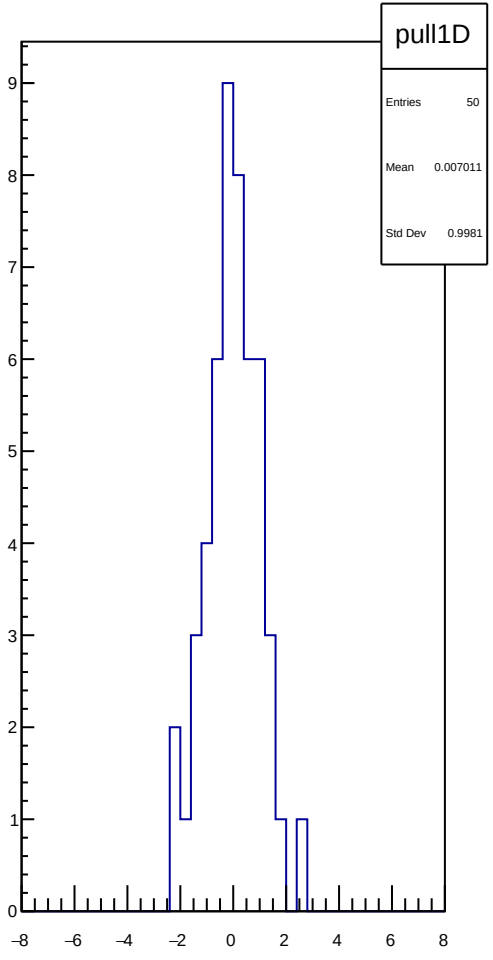

asym_at1_dd_correction_rms vs run
χ² / ndf 4528 / 49
p0 1164 ± 1.186
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 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

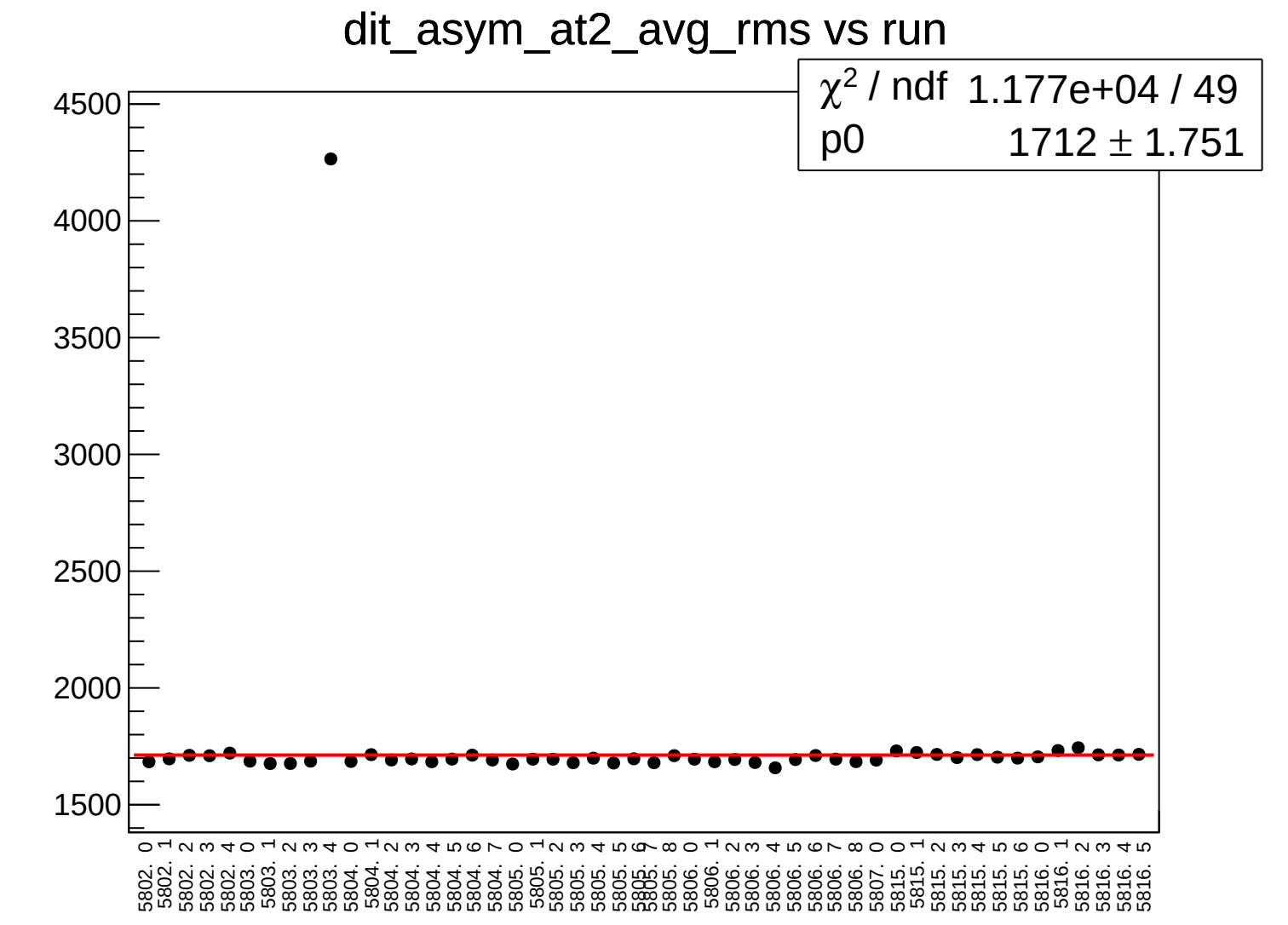

asym_at1_dd_mean vs run
χ² / ndf 67.7 / 49
p0 −36.55 ± 3533
×10³
100
50
0
−50
−100
pull
Entries 50
Mean 51.51
Std Dev 44.46
2
1
0
−1
−2

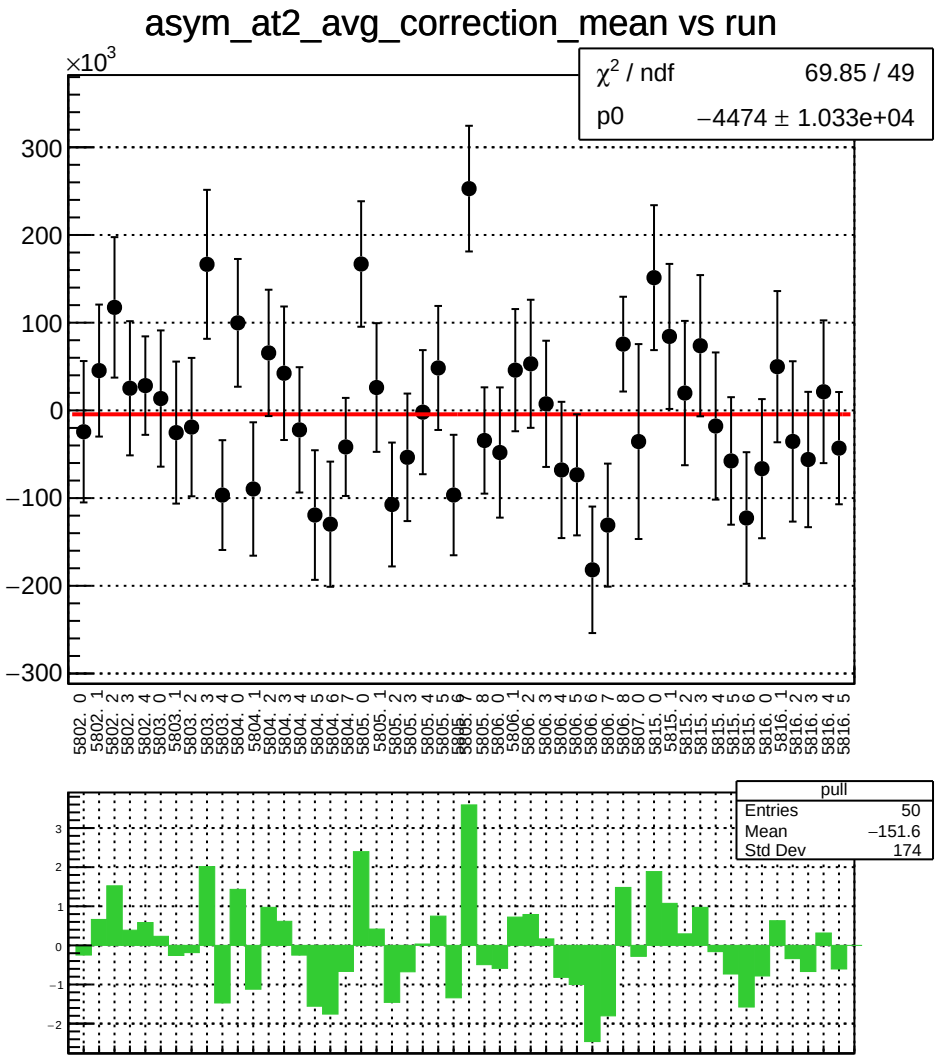

pull1D
Entries 50
Mean −0.01318
Std Dev 1.164
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

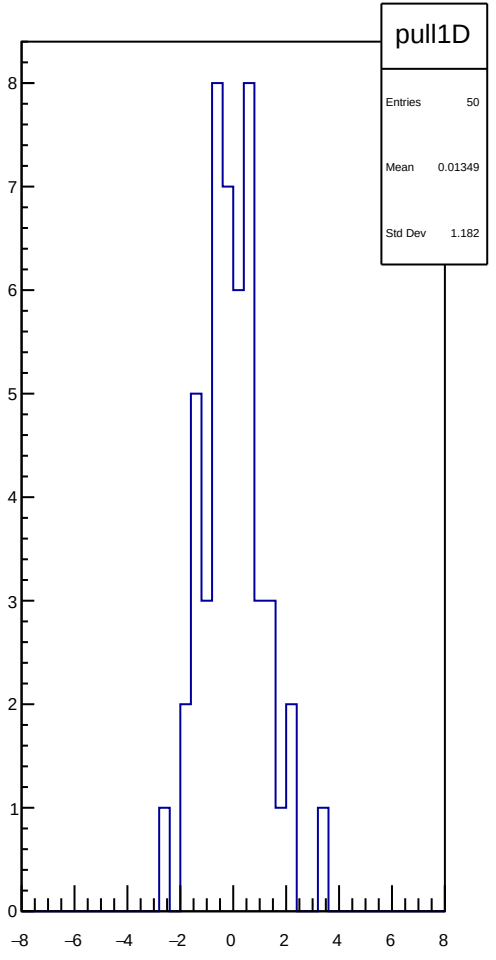

asym_at1_dd_rms vs run
χ² / ndf 351.6 / 49
p0 2458 ± 2.498
2700
2650
2600
2550
2500
2450
2400
2350
2300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805.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

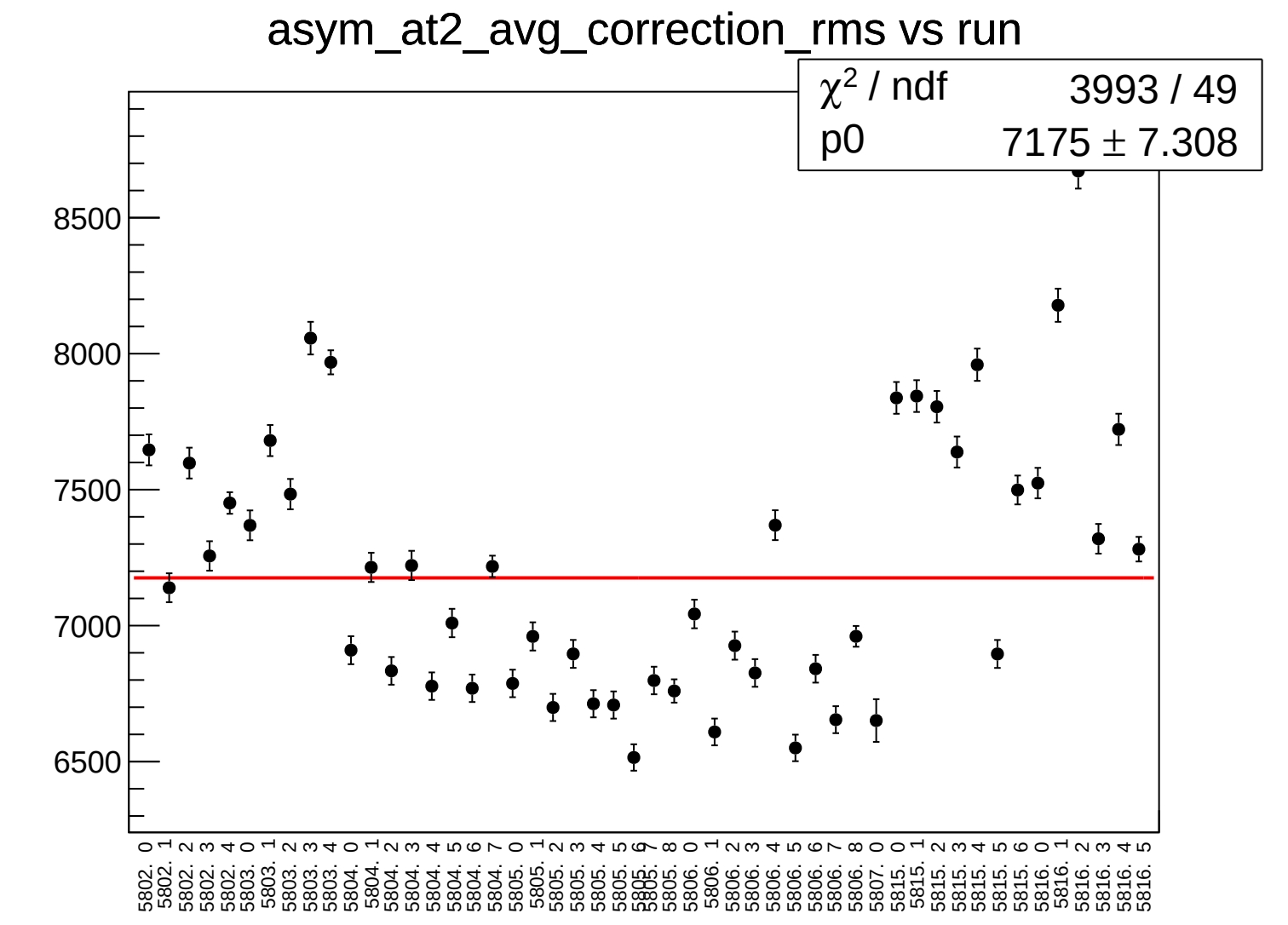

dit_asym_at2_avg_mean vs run
χ² / ndf 49.82 / 49
p0 4259 ± 2477
60000
40000
20000
0
−20000
−40000
−60000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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 −93.54
Std Dev 103.2
2
1
0
−1
−2

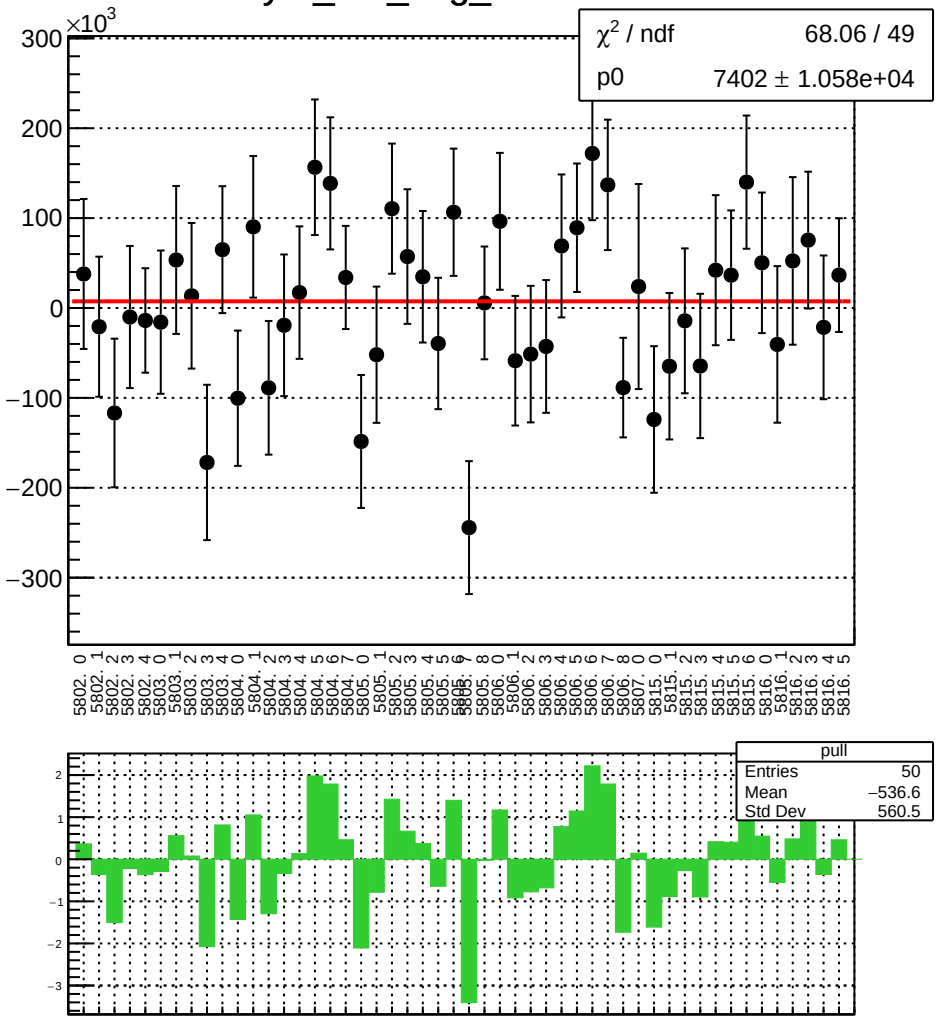

pull1D
Entries 50
Mean 0.007011
Std Dev 0.9981
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

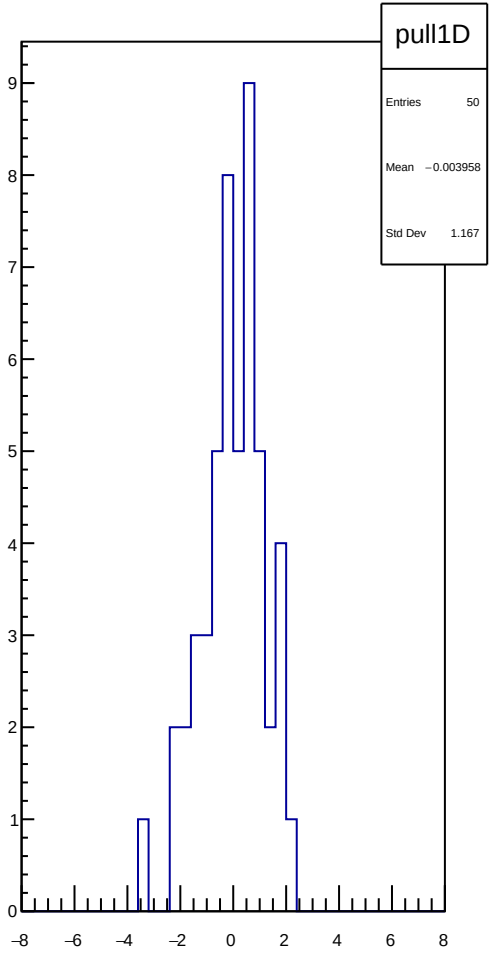

dit_asym_at2_avg_rms vs run
χ² / ndf 1.177e+04 / 49
p0 1712 ± 1.751
4500
4000
3500
3000
2500
2000
1500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

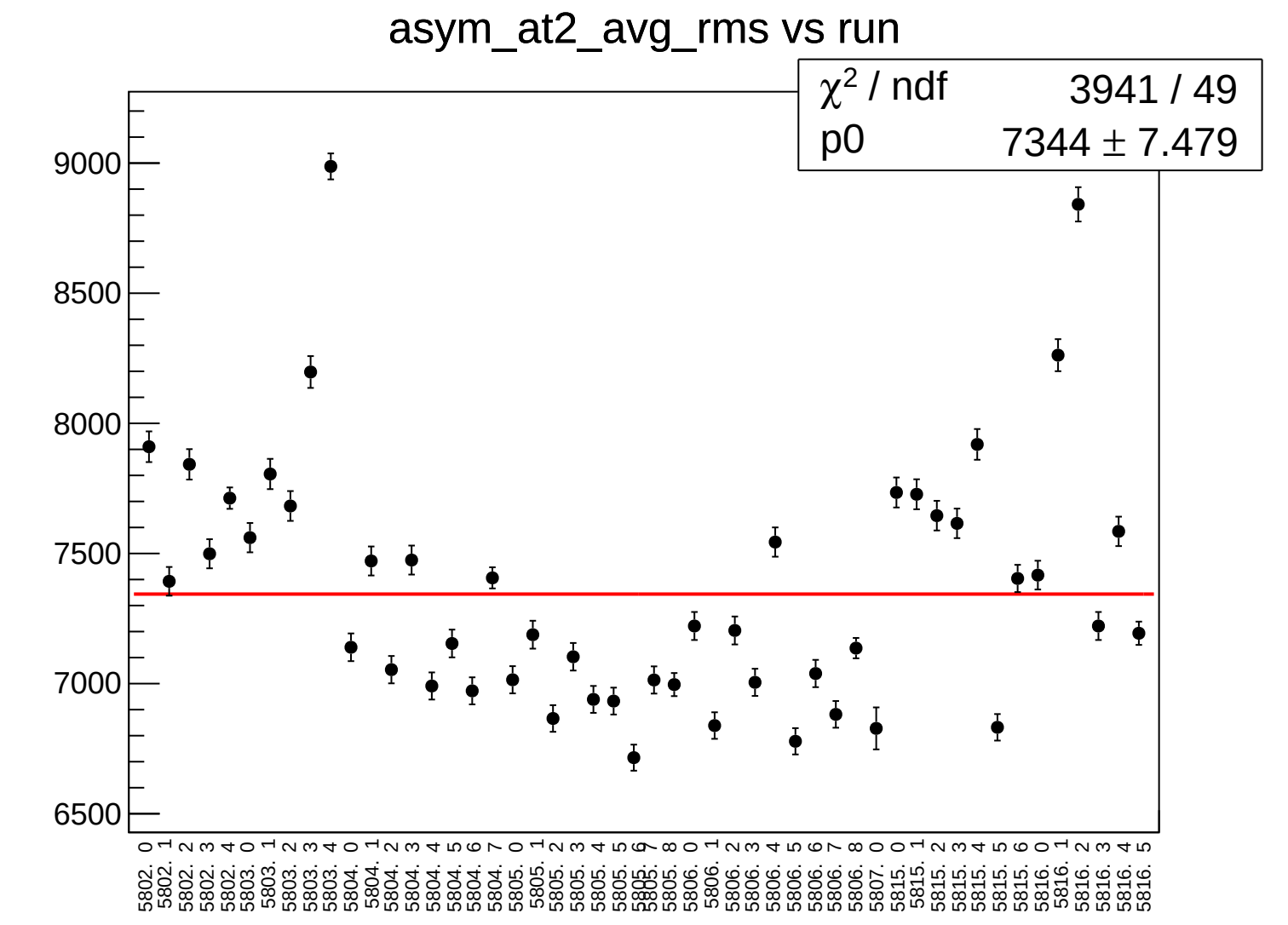

asym_at2_avg_correction_mean vs run
χ² / ndf 69.85 / 49
p0 −4474 ± 1.033e+04
pull
Entries 50
Mean −151.6
Std Dev 174

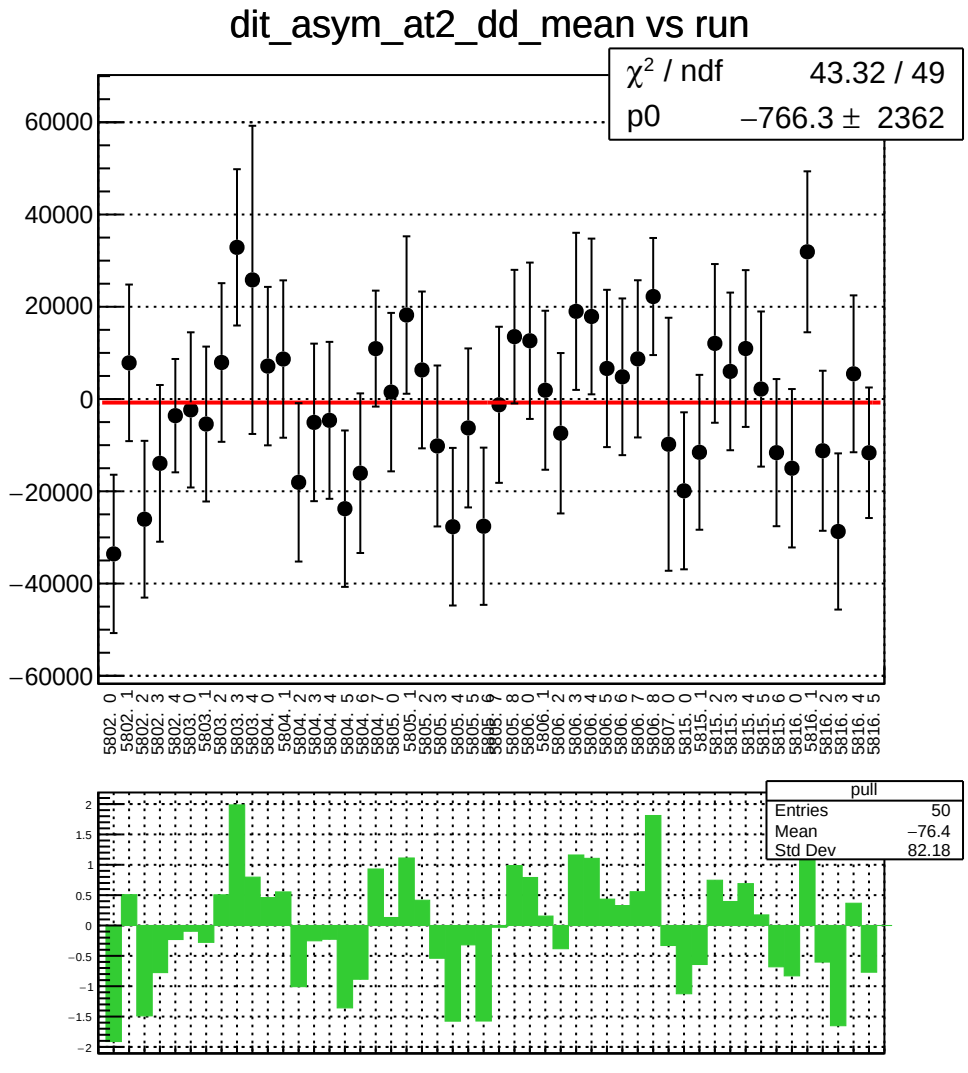

pull1D
Entries 50
Mean 0.01349
Std Dev 1.182

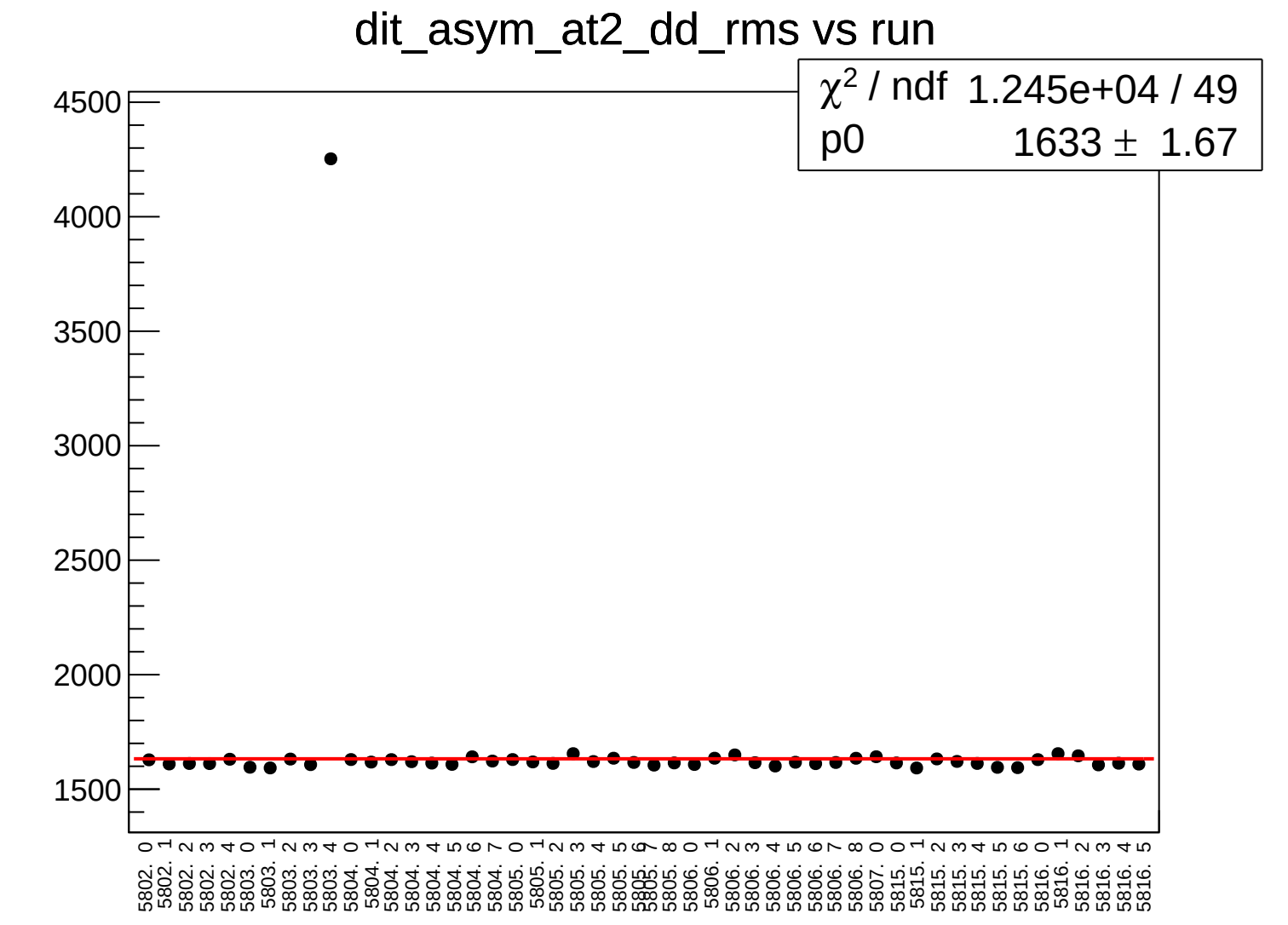

asym_at2_avg_correction_rms vs run
χ² / ndf 3993 / 49
p0 7175 ± 7.308
8500
8000
7500
7000
6500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

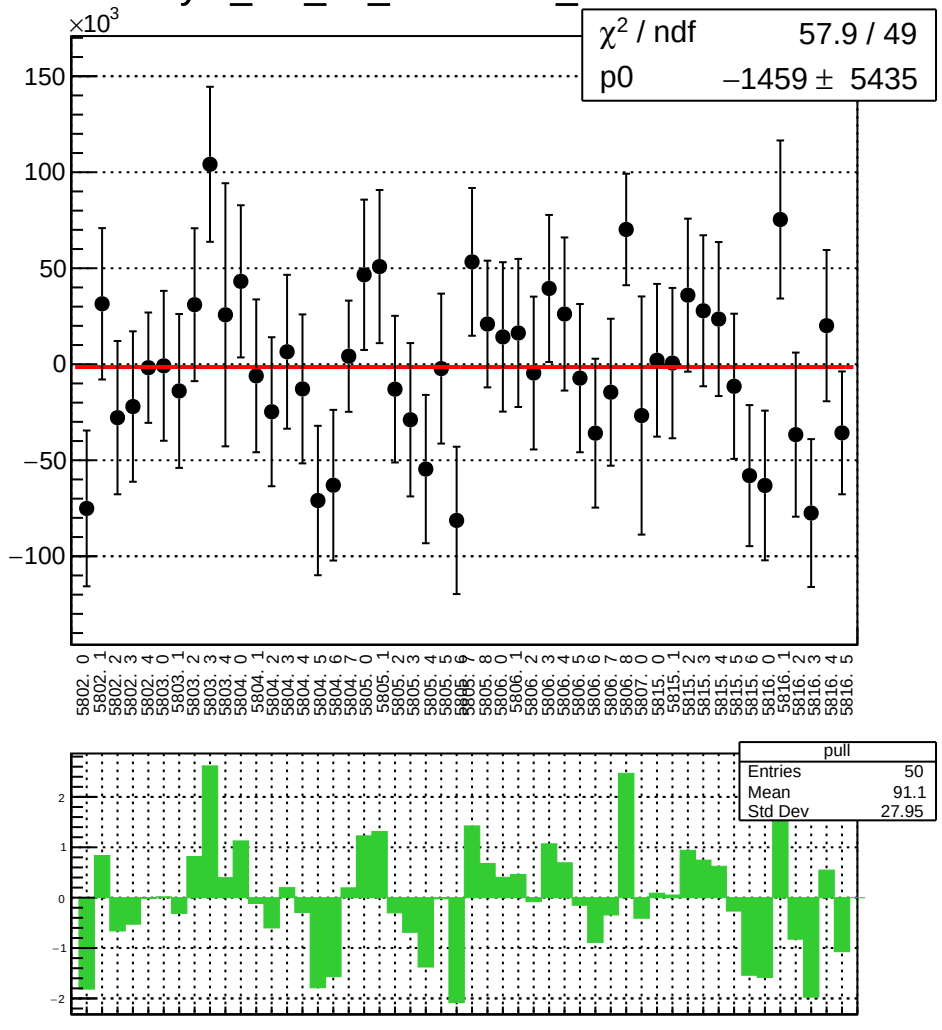

asym_at2_avg_mean vs run
×10^3
χ² / ndf 68.06 / 49
p0 7402 ± 1.058e+04
pull
Entries 50
Mean −536.6
Std Dev 560.5

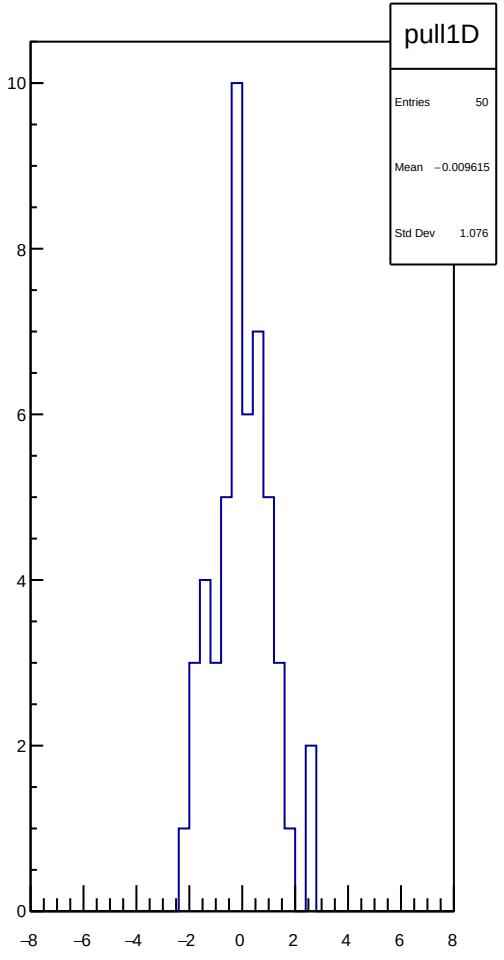

pull1D
Entries 50
Mean −0.003958
Std Dev 1.167

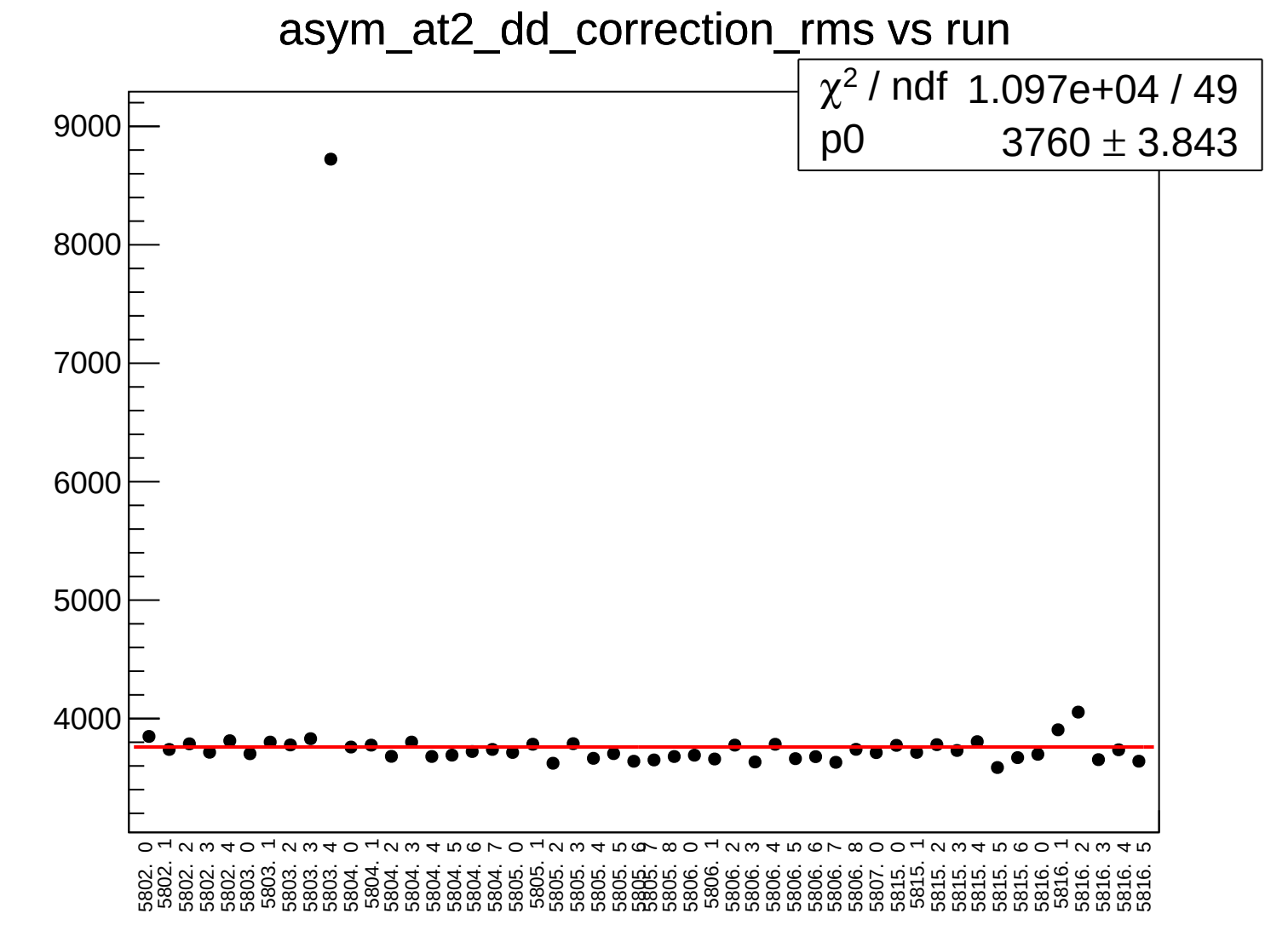

asym_at2_avg_rms vs run
χ² / ndf 3941 / 49
p0 7344 ± 7.479
9000
8500
8000
7500
7000
6500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805.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

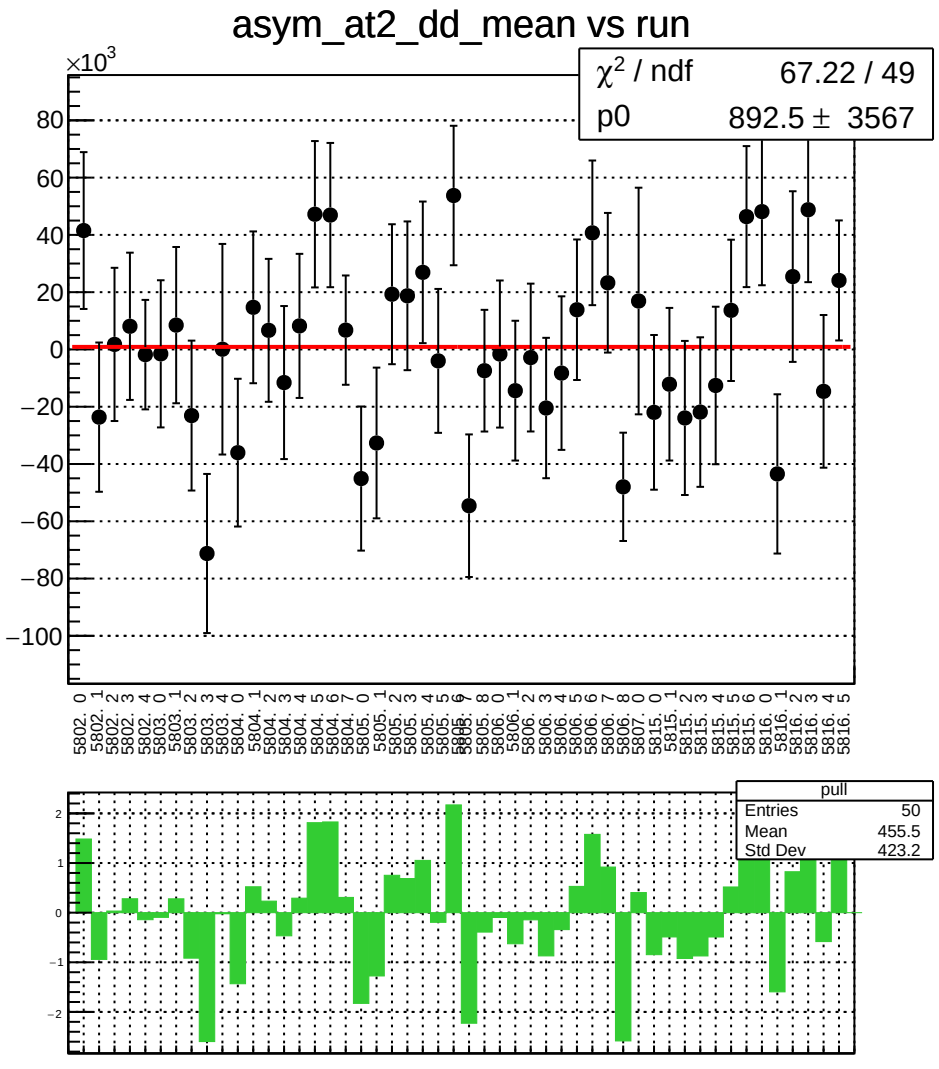

dit_asym_at2_dd_mean vs run
χ² / ndf 43.32 / 49
p0 −766.3 ± 2362
60000
40000
20000
0
−20000
−40000
−60000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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 −76.4
Std Dev 82.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01156
Std Dev 0.9307
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

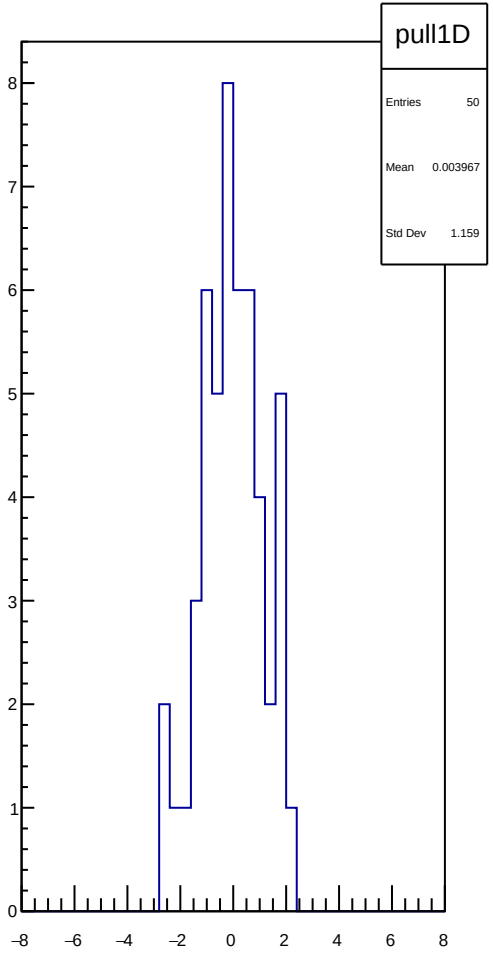

dit_asym_at2_dd_rms vs run
χ² / ndf 1.245e+04 / 49
p0 1633 ± 1.67
4500
4000
3500
3000
2500
2000
1500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
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
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

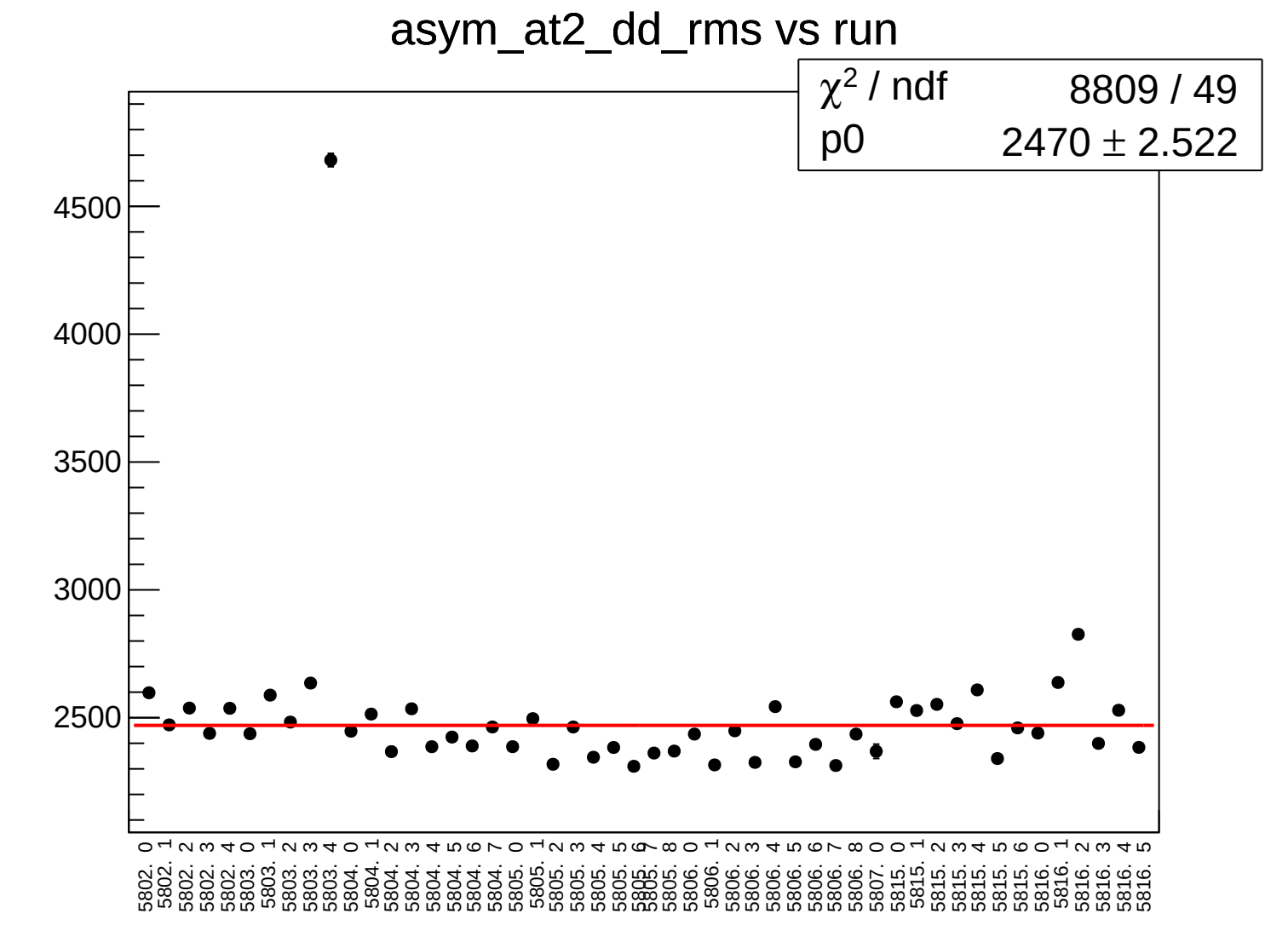

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 57.9 / 49
p0 −1459 ± 5435
150
100
50
0
−50
−100
pull
Entries 50
Mean 91.1
Std Dev 27.95
2
1
0
−1
−2

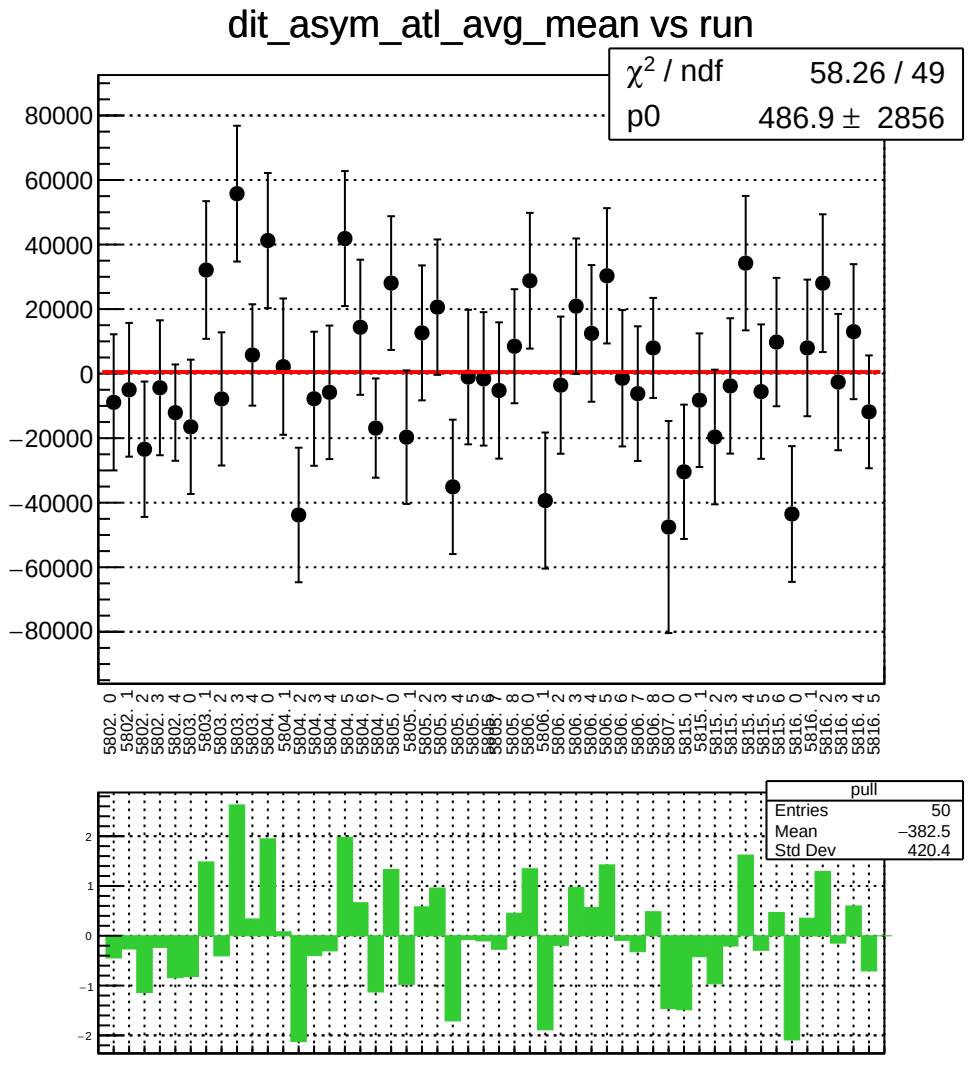

pull1D
Entries 50
Mean −0.009615
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

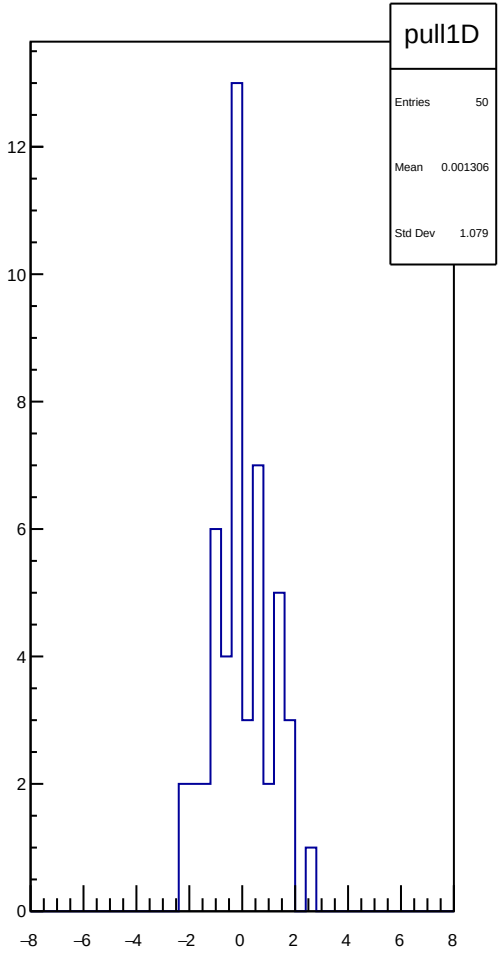

asym_at2_dd_correction_rms vs run
χ² / ndf 1.097e+04 / 49
p0 3760 ± 3.843
9000
8000
7000
6000
5000
4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

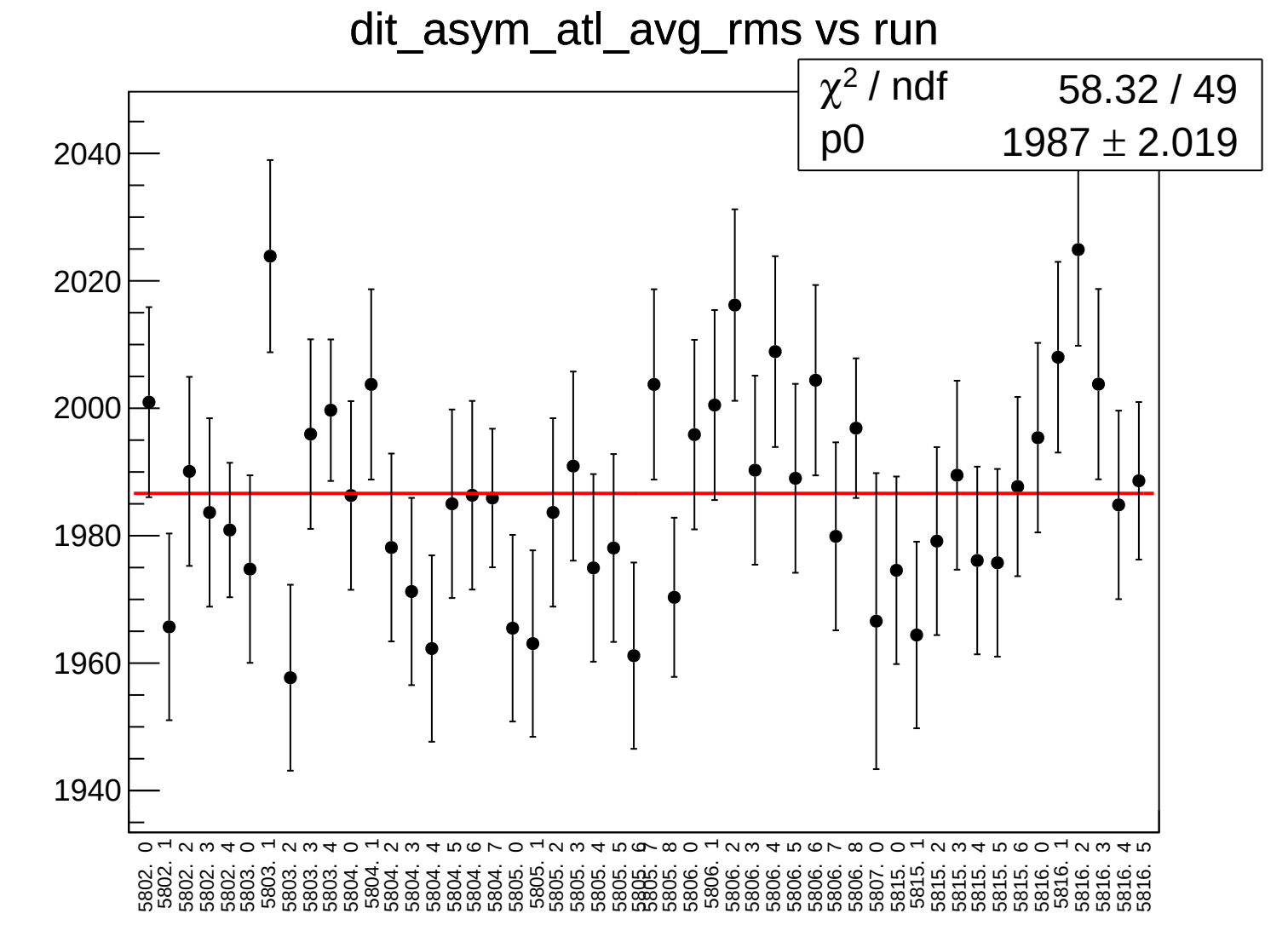

asym_at2_dd_mean vs run
×10^3
χ² / ndf 67.22 / 49
p0 892.5 ± 3567
pull
Entries 50
Mean 455.5
Std Dev 423.2

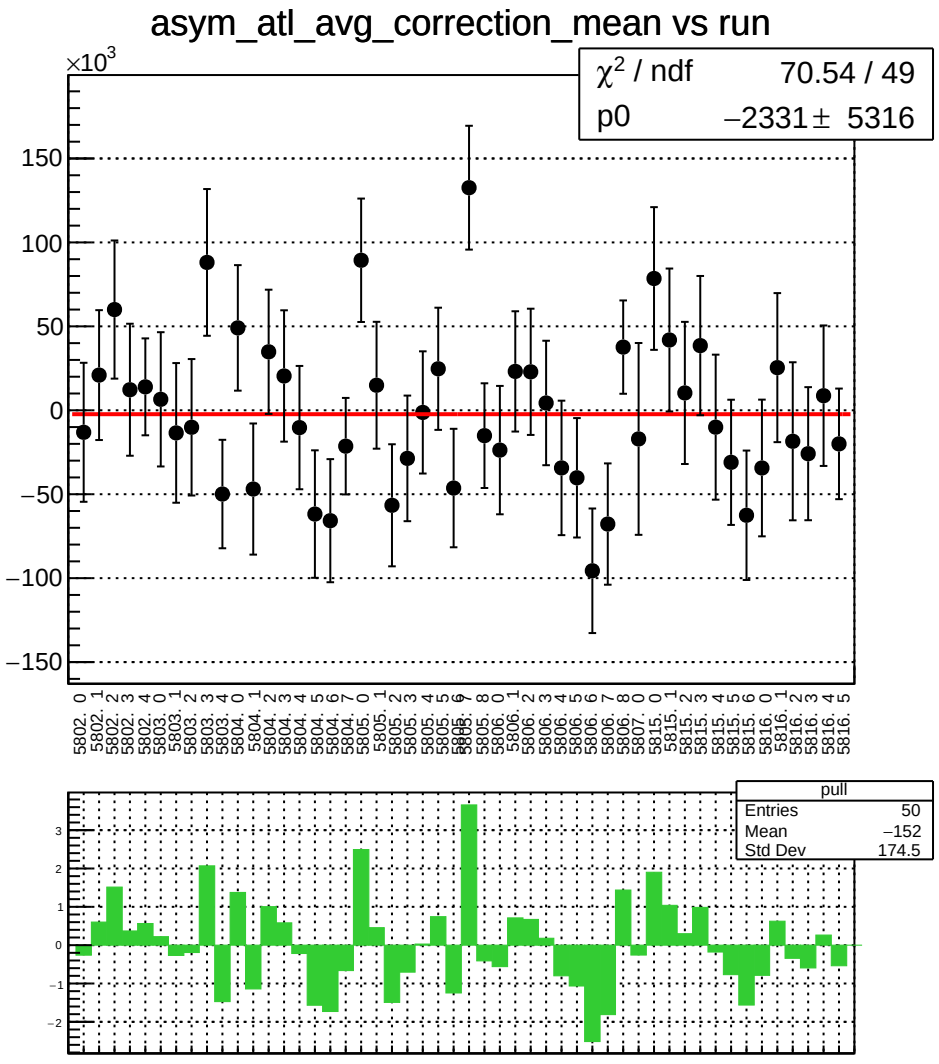

pull1D
Entries 50
Mean 0.003967
Std Dev 1.159

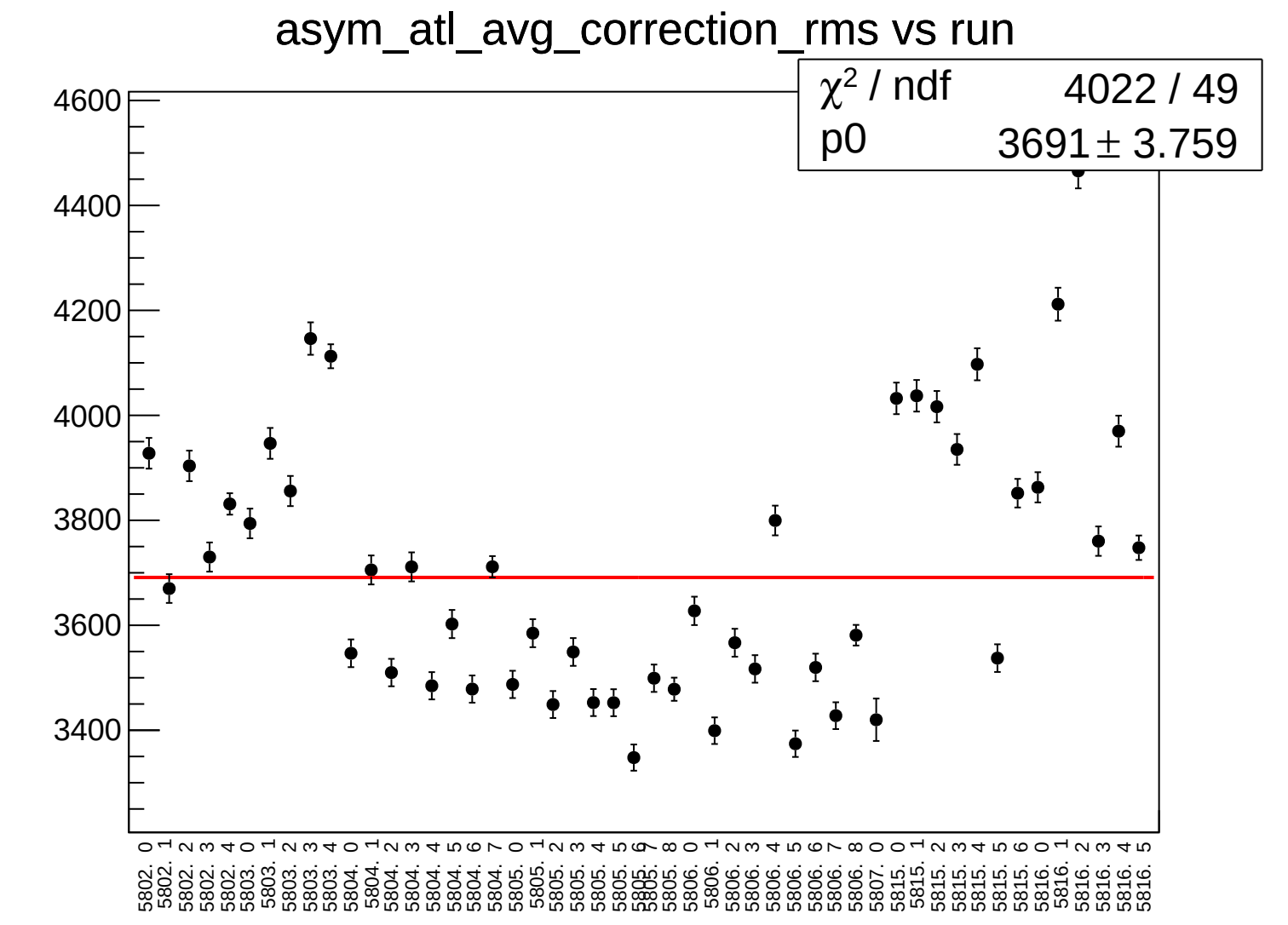

asym_at2_dd_rms vs run
χ² / ndf 8809 / 49
p0 2470 ± 2.522
4500
4000
3500
3000
2500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806.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

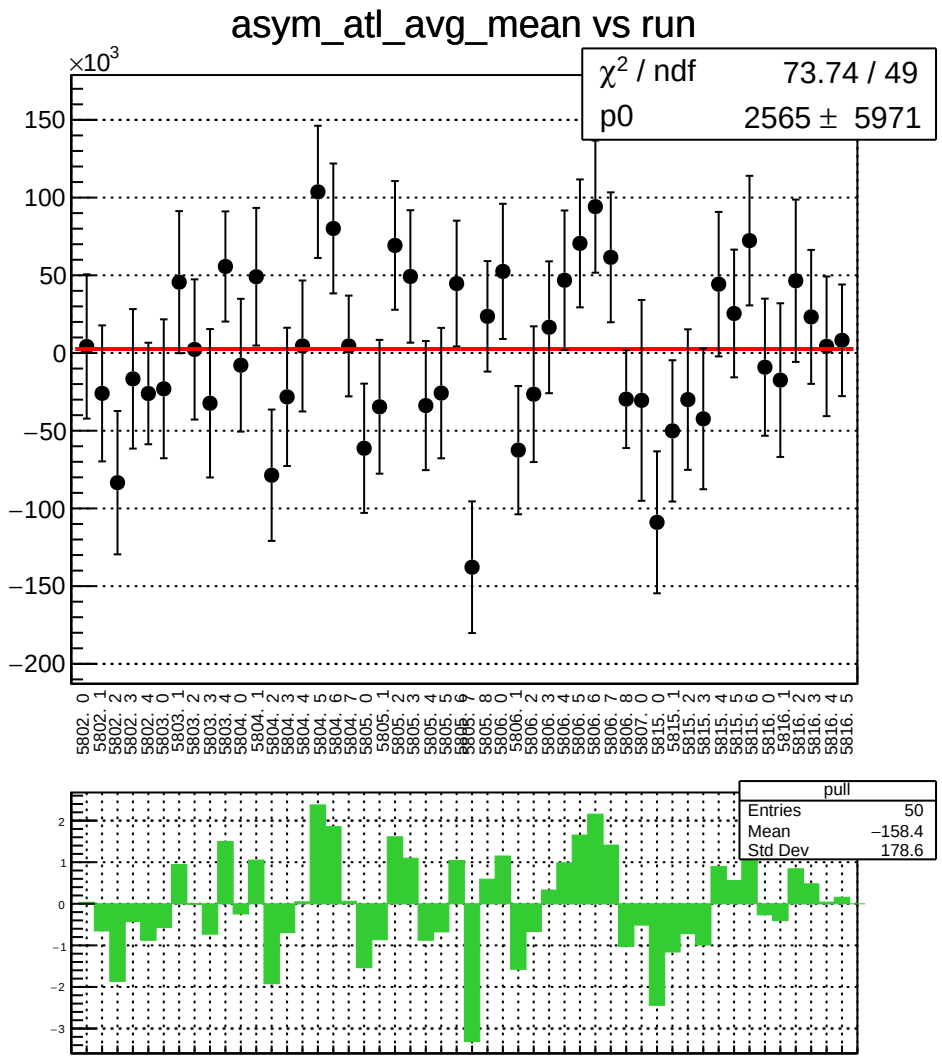

dit_asym_atl_avg_mean vs run
χ² / ndf 58.26 / 49
p0 486.9 ± 2856
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −382.5
Std Dev 420.4
2
1
0
−1
−2

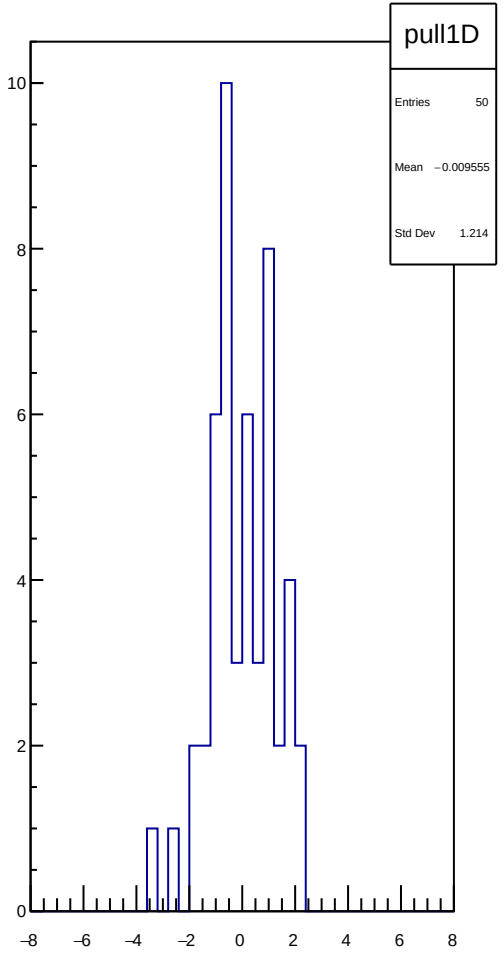

pull1D
Entries 50
Mean 0.001306
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

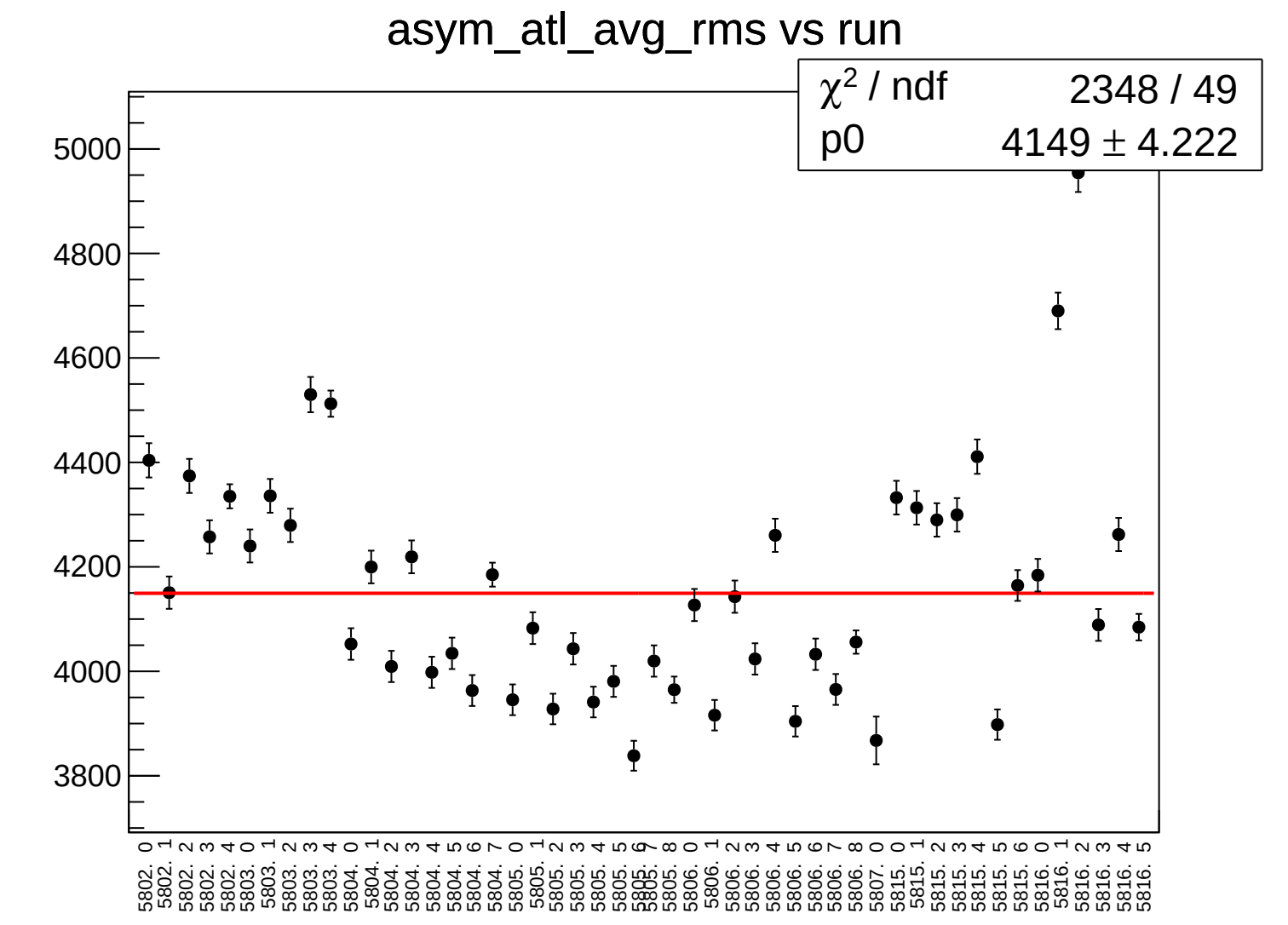

dit_asym_atl_avg_rms vs run
χ² / ndf 58.32 / 49
p0 1987 ± 2.019
2040
2020
2000
1980
1960
1940
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

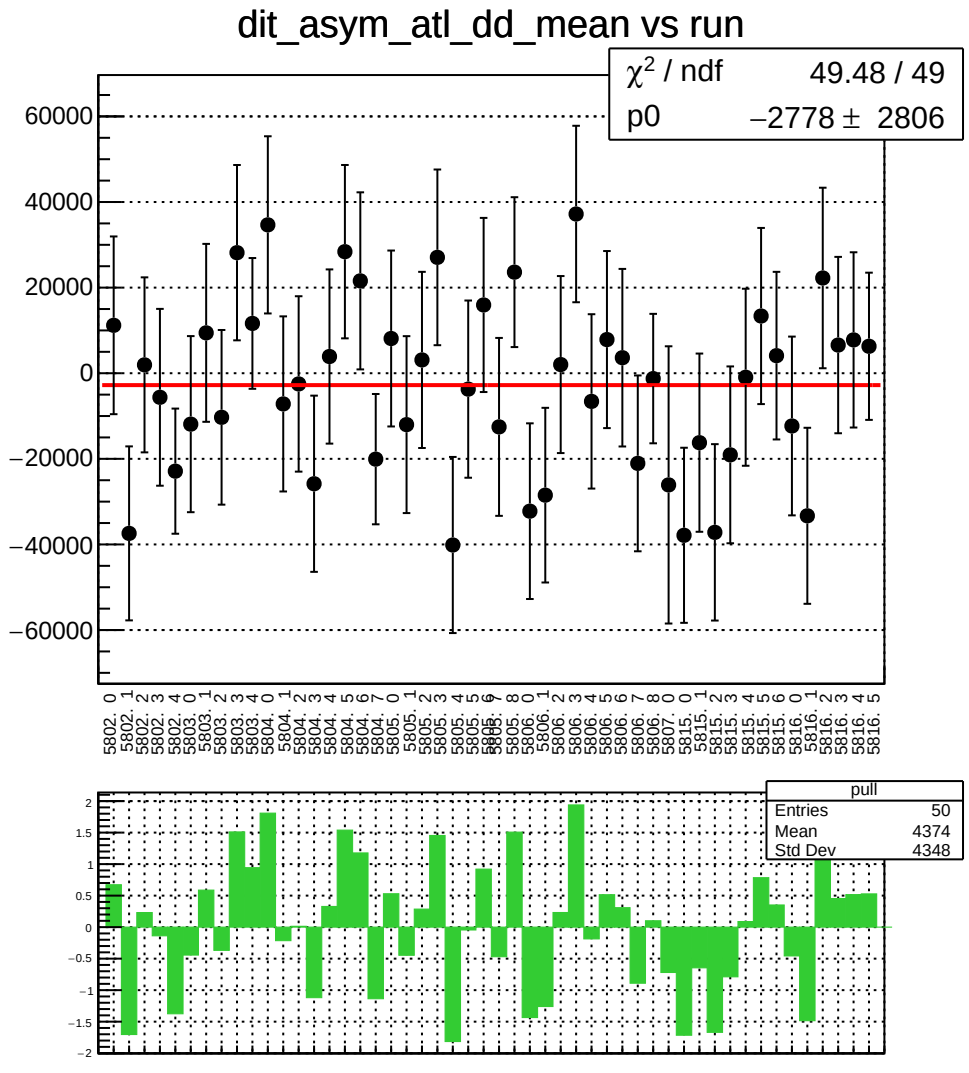

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 70.54 / 49
p0 −2331 ± 5316
150
100
50
0
−50
−100
−150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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 −152
Std Dev 174.5
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01324
Std Dev 1.188
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

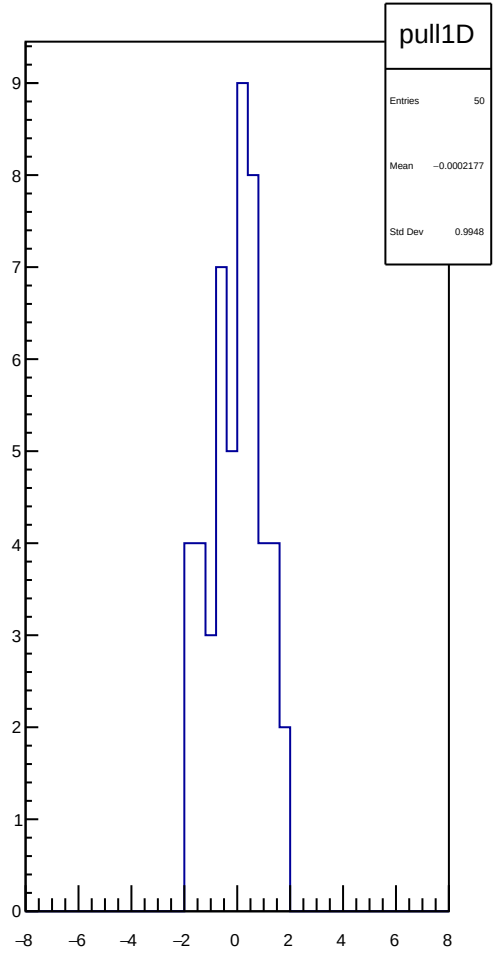

asym_atl_avg_correction_rms vs run
χ² / ndf 4022 / 49
p0 3691 ± 3.759
4600
4400
4200
4000
3800
3600
3400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

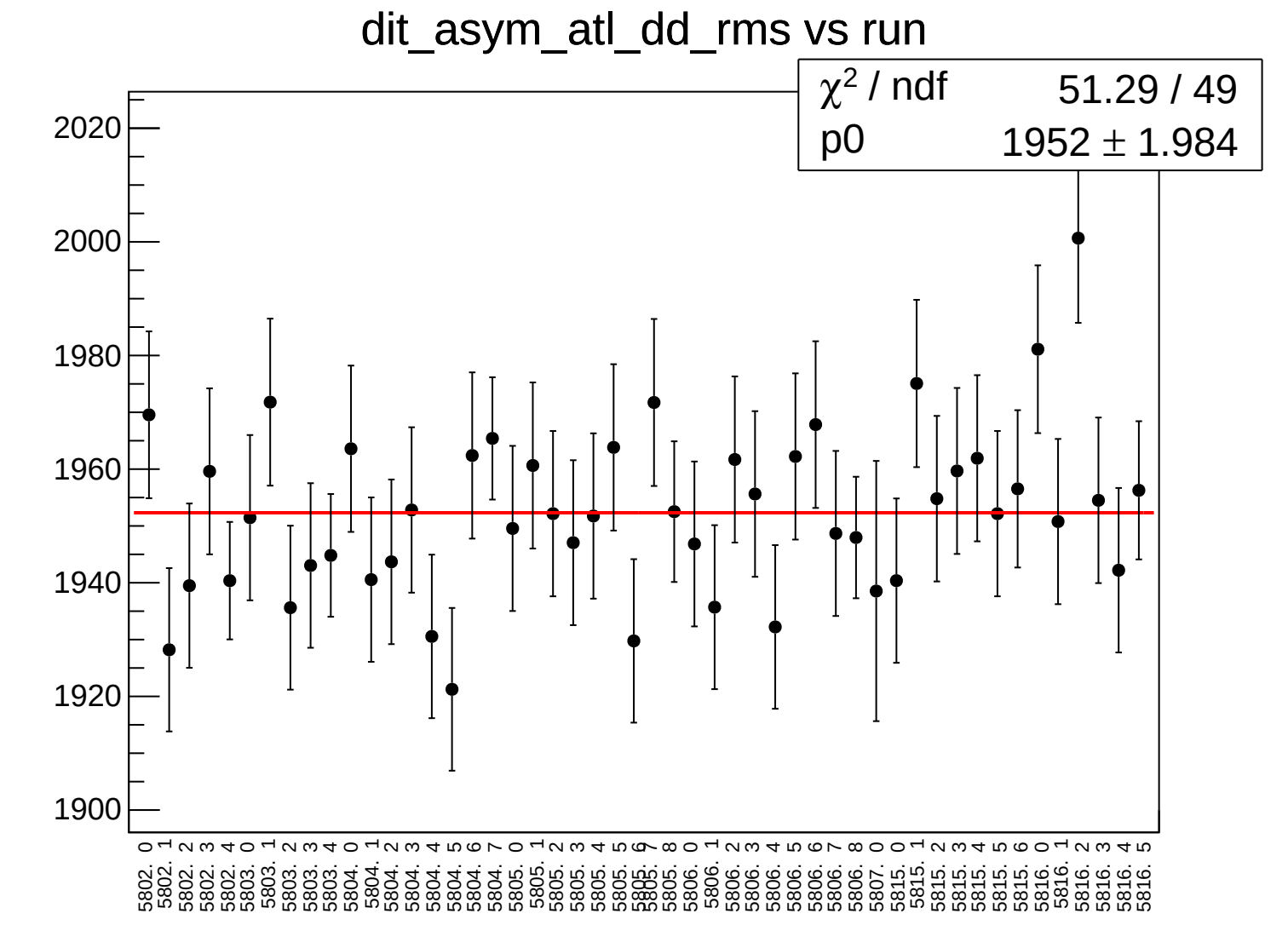

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 73.74 / 49
p0 2565 ± 5971
150
100
50
0
−50
−100
−150
−200
pull
Entries 50
Mean −158.4
Std Dev 178.6
2
1
0
−1
−2
−3

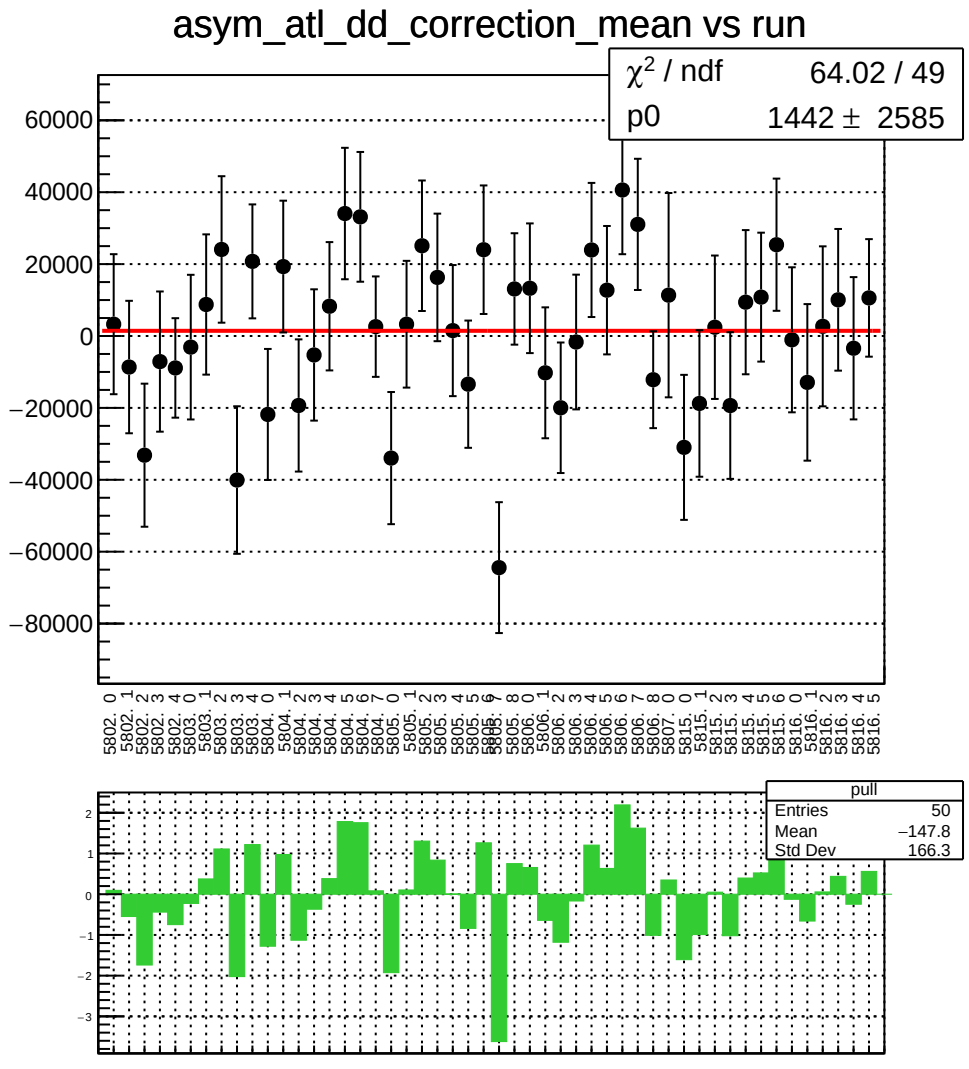

pull1D
Entries 50
Mean −0.009555
Std Dev 1.214
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

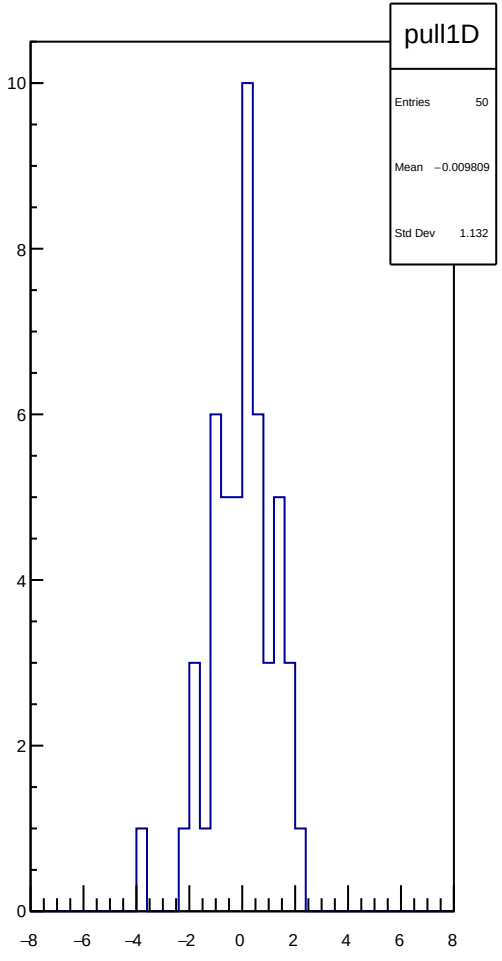

asym_atl_avg_rms vs run
χ² / ndf 2348 / 49
p0 4149 ± 4.222
5000
4800
4600
4400
4200
4000
3800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7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

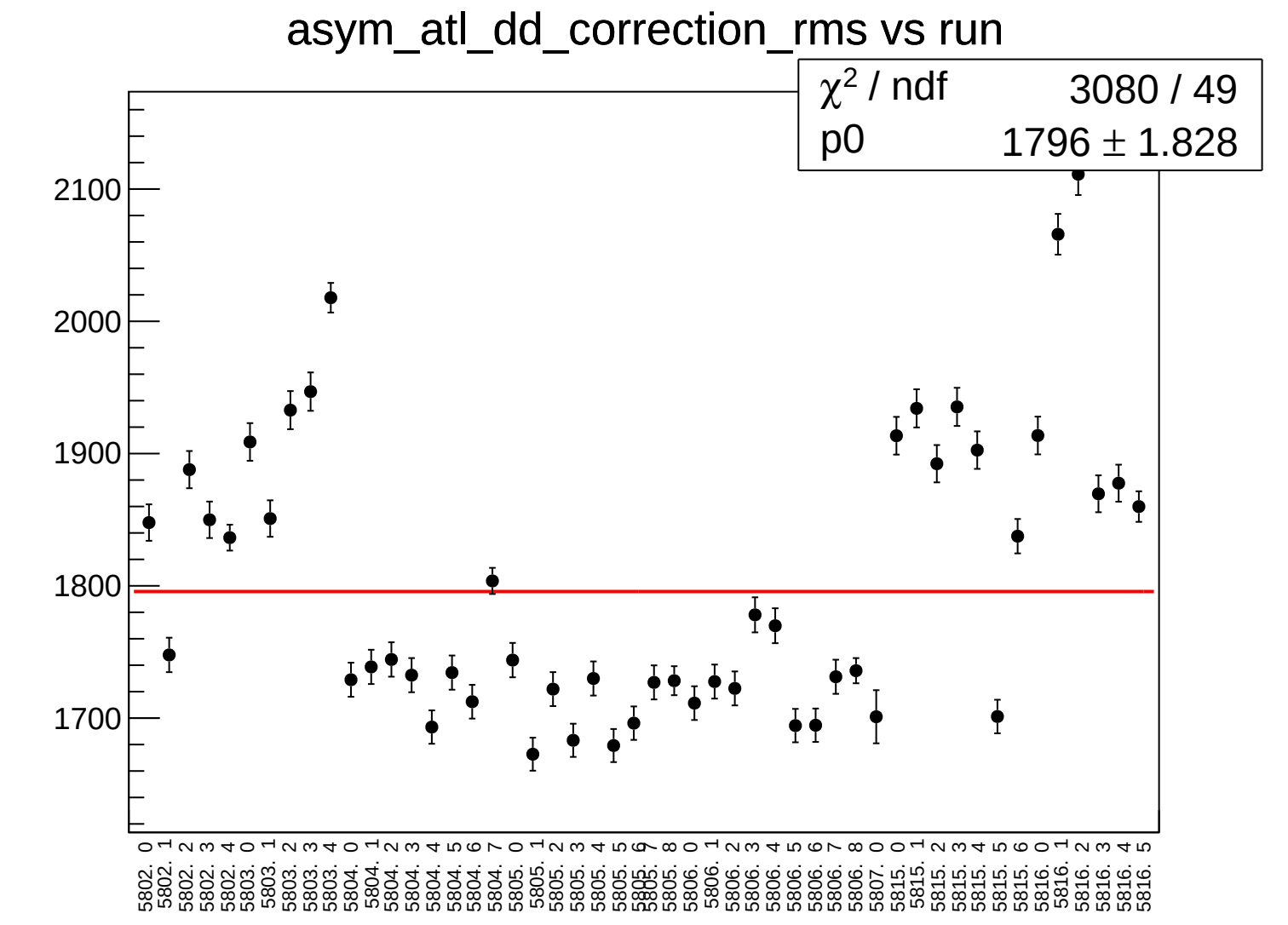

dit_asym_atl_dd_mean vs run
χ^2 / ndf 49.48 / 49
p0 −2778 ± 2806
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 4374
Std Dev 4348
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

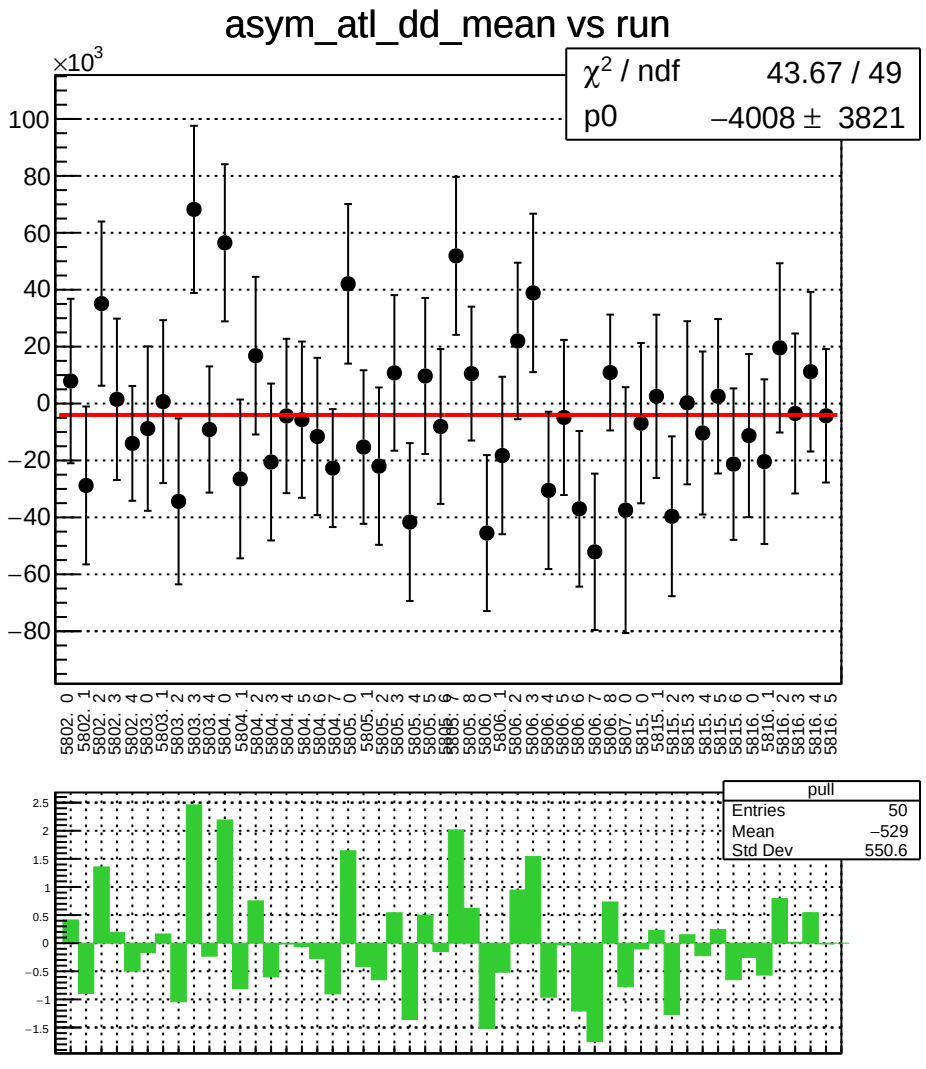

pull1D
Entries 50
Mean −0.0002177
Std Dev 0.9948
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

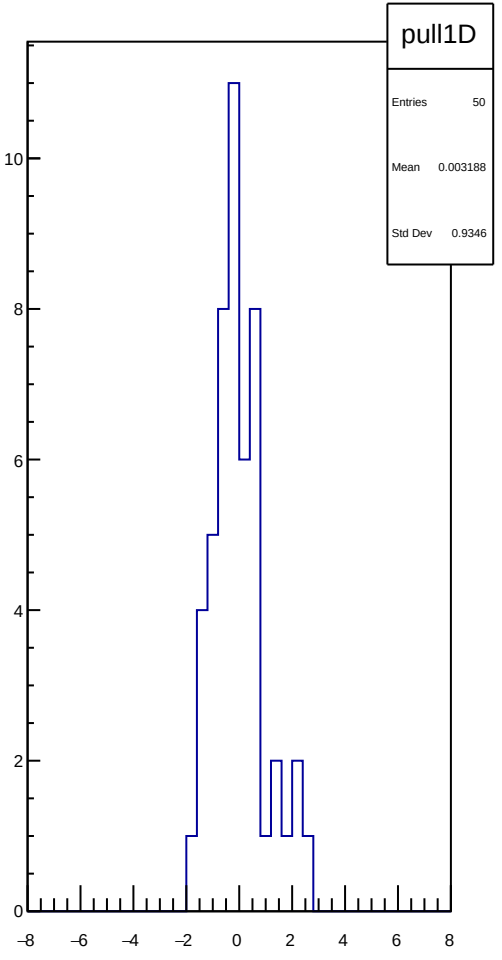

dit_asym_atl_dd_rms vs run
χ² / ndf 51.29 / 49
p0 1952 ± 1.984
2020
2000
1980
1960
1940
1920
1900
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

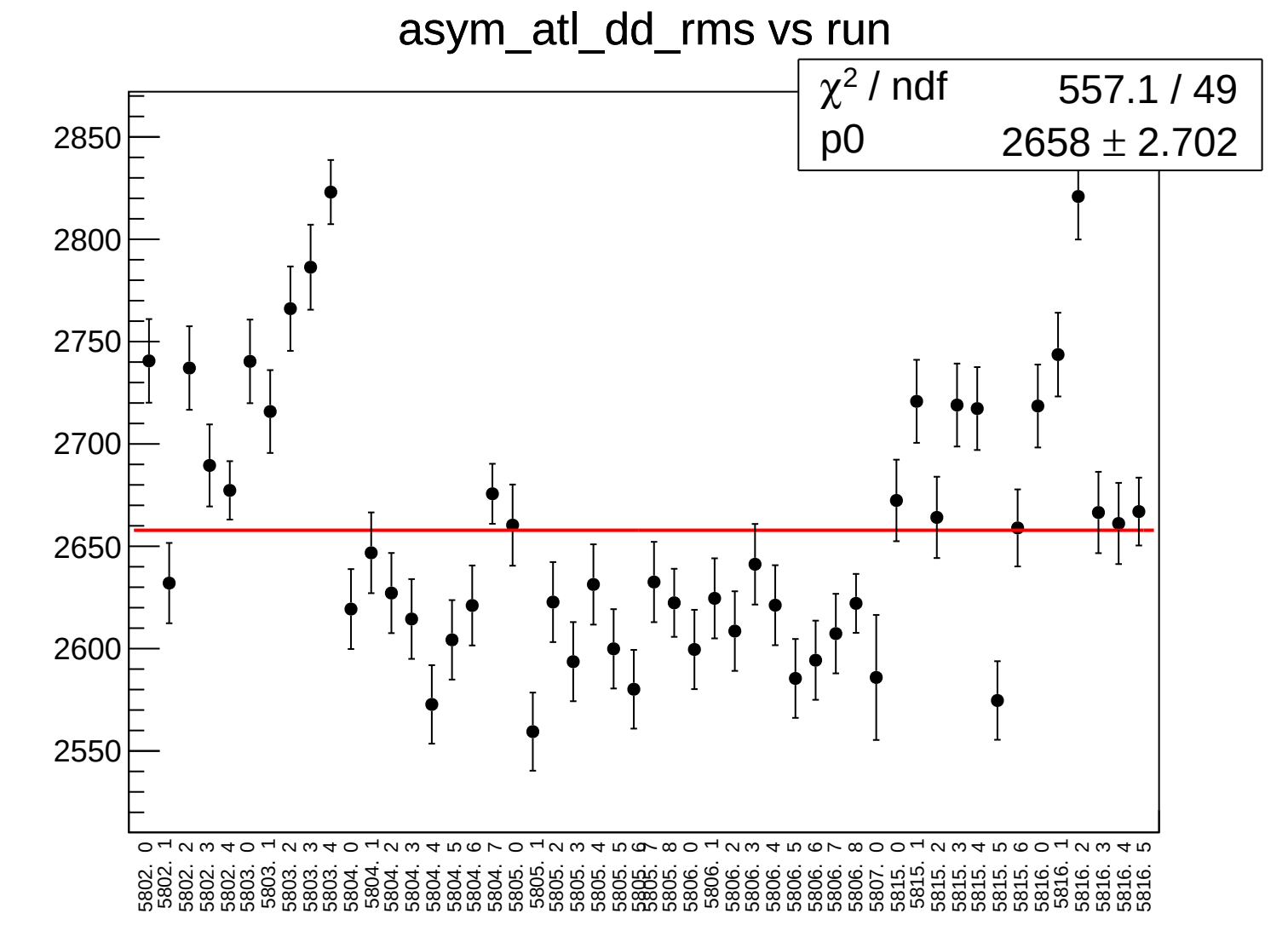

asym_atl_dd_correction_mean vs run
χ² / ndf 64.02 / 49
p0 1442 ± 2585
60000
40000
20000
0
−20000
−40000
−60000
−80000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
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 −147.8
Std Dev 166.3
2
1
0
−1
−2
−3

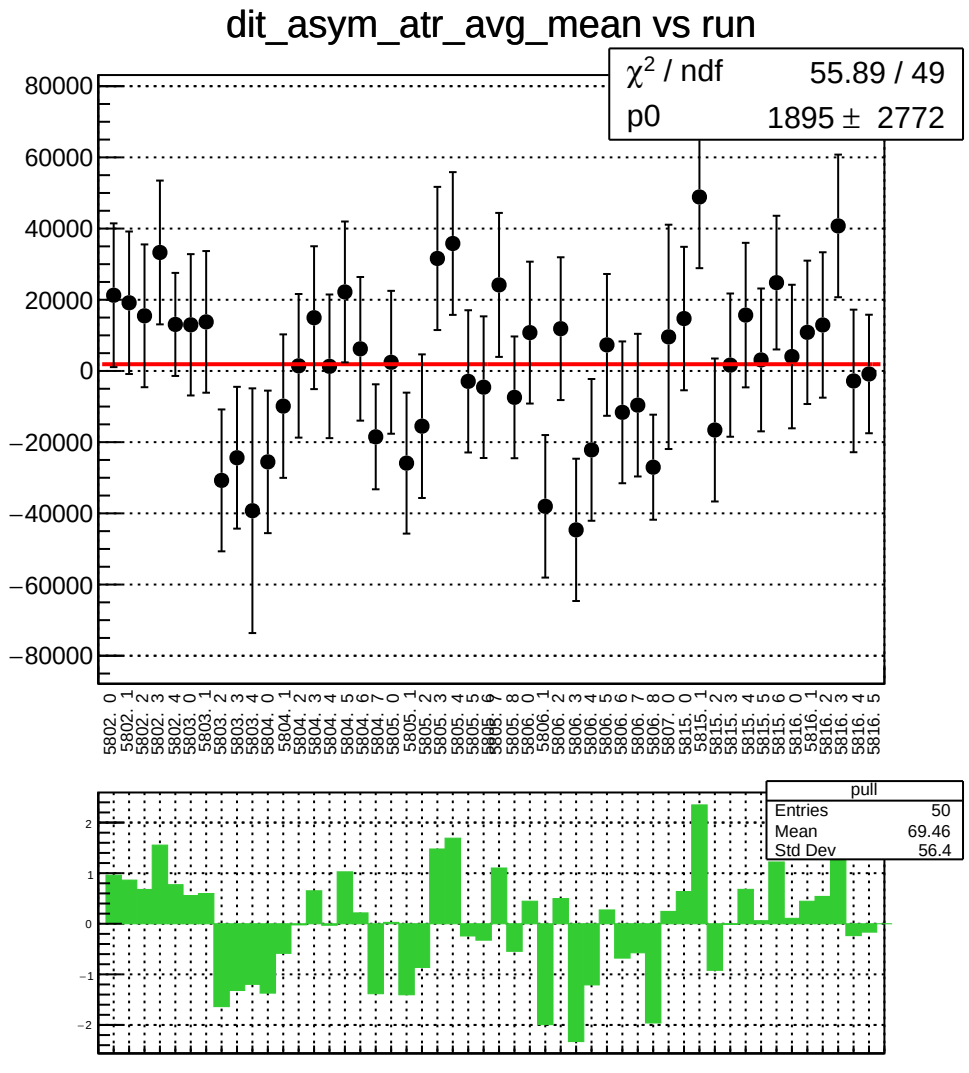

pull1D
Entries 50
Mean −0.009809
Std Dev 1.132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

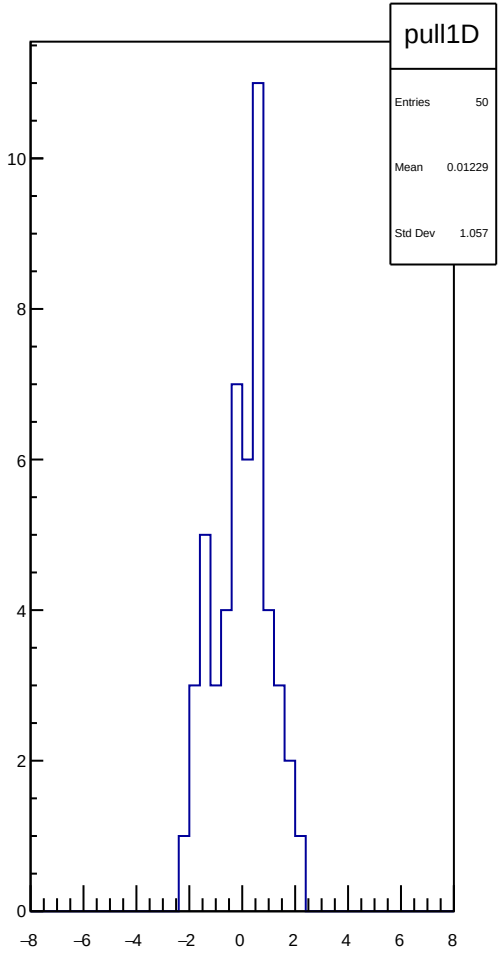

asym_atl_dd_correction_rms vs run
χ² / ndf 3080 / 49
p0 1796 ± 1.828
2100
2000
1900
1800
1700
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

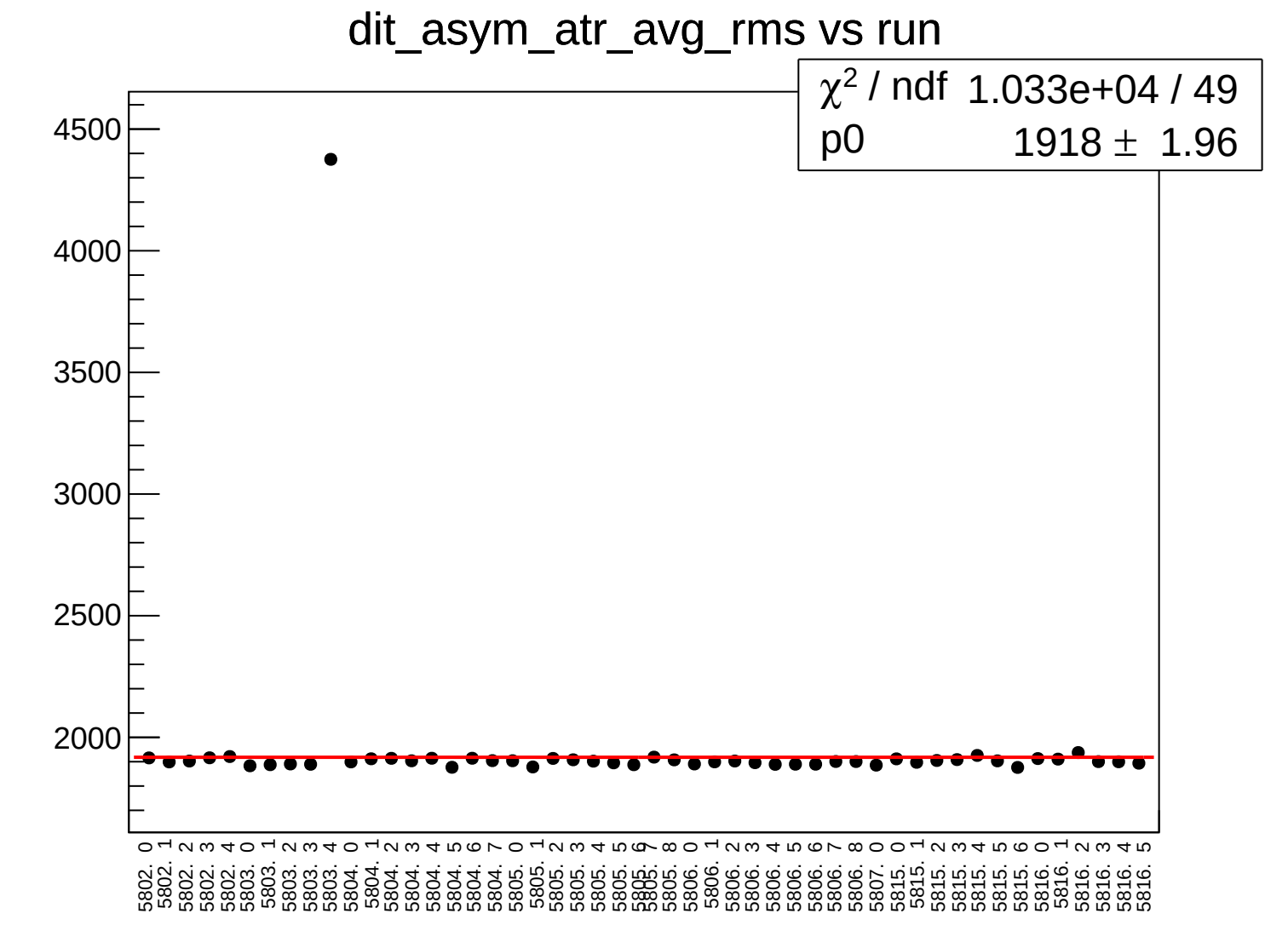

asym_atl_dd_mean vs run
×10^3
χ² / ndf 43.67 / 49
p0 −4008 ± 3821
pull
Entries 50
Mean −529
Std Dev 550.6

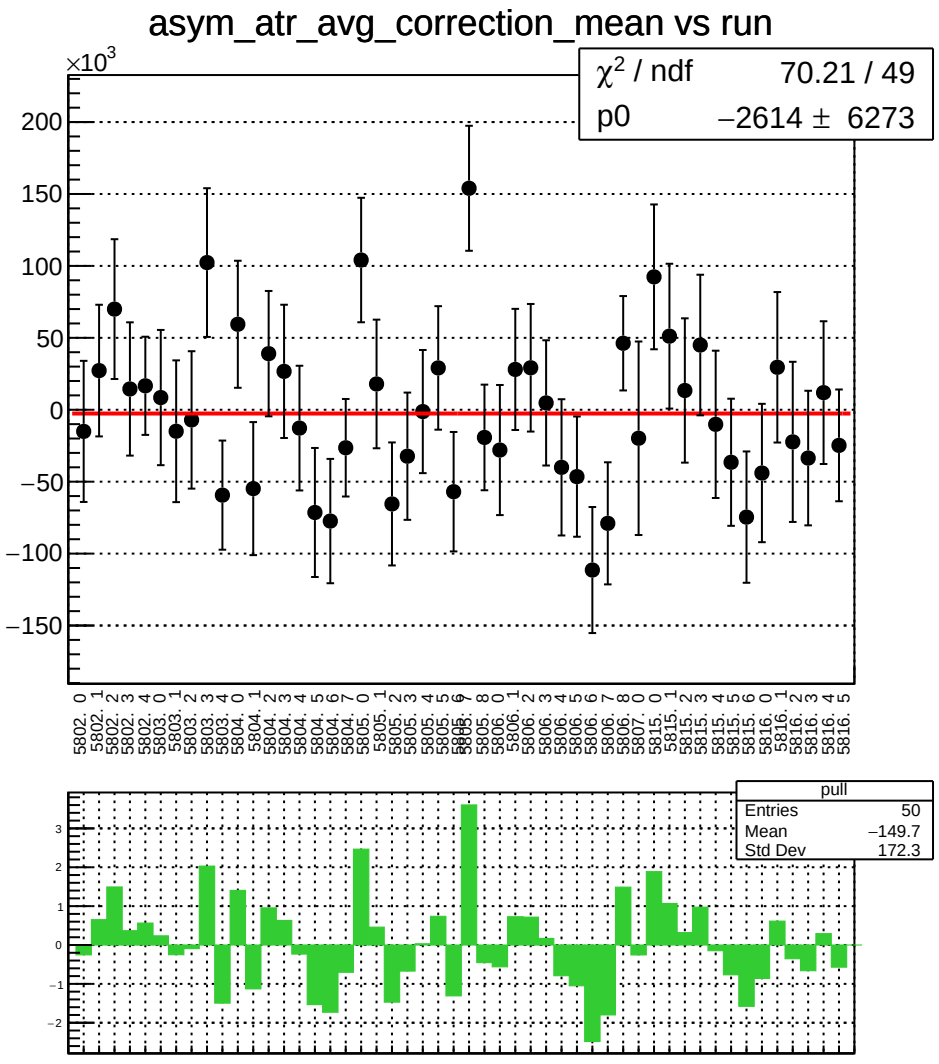

pull1D
Entries 50
Mean 0.003188
Std Dev 0.9346

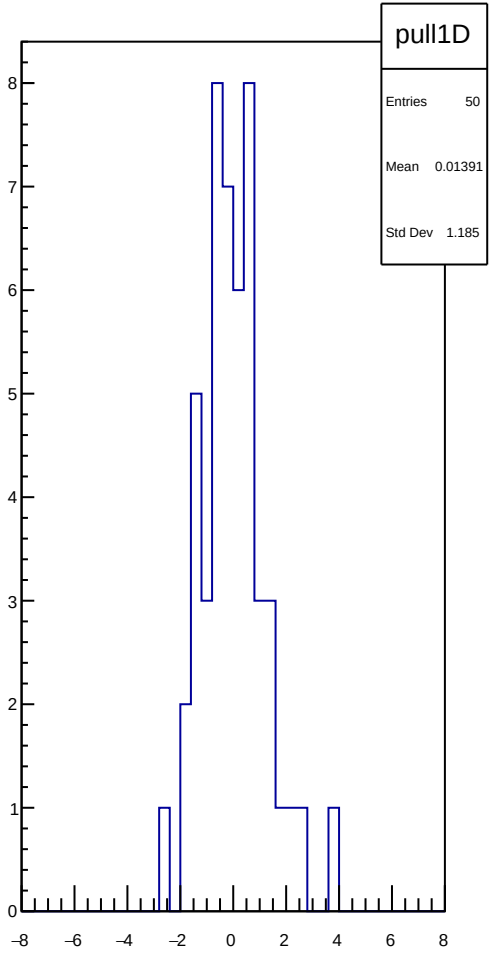

asym_atl_dd_rms vs run
χ² / ndf 557.1 / 49
p0 2658 ± 2.702
2850
2800
2750
2700
2650
2600
2550
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7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

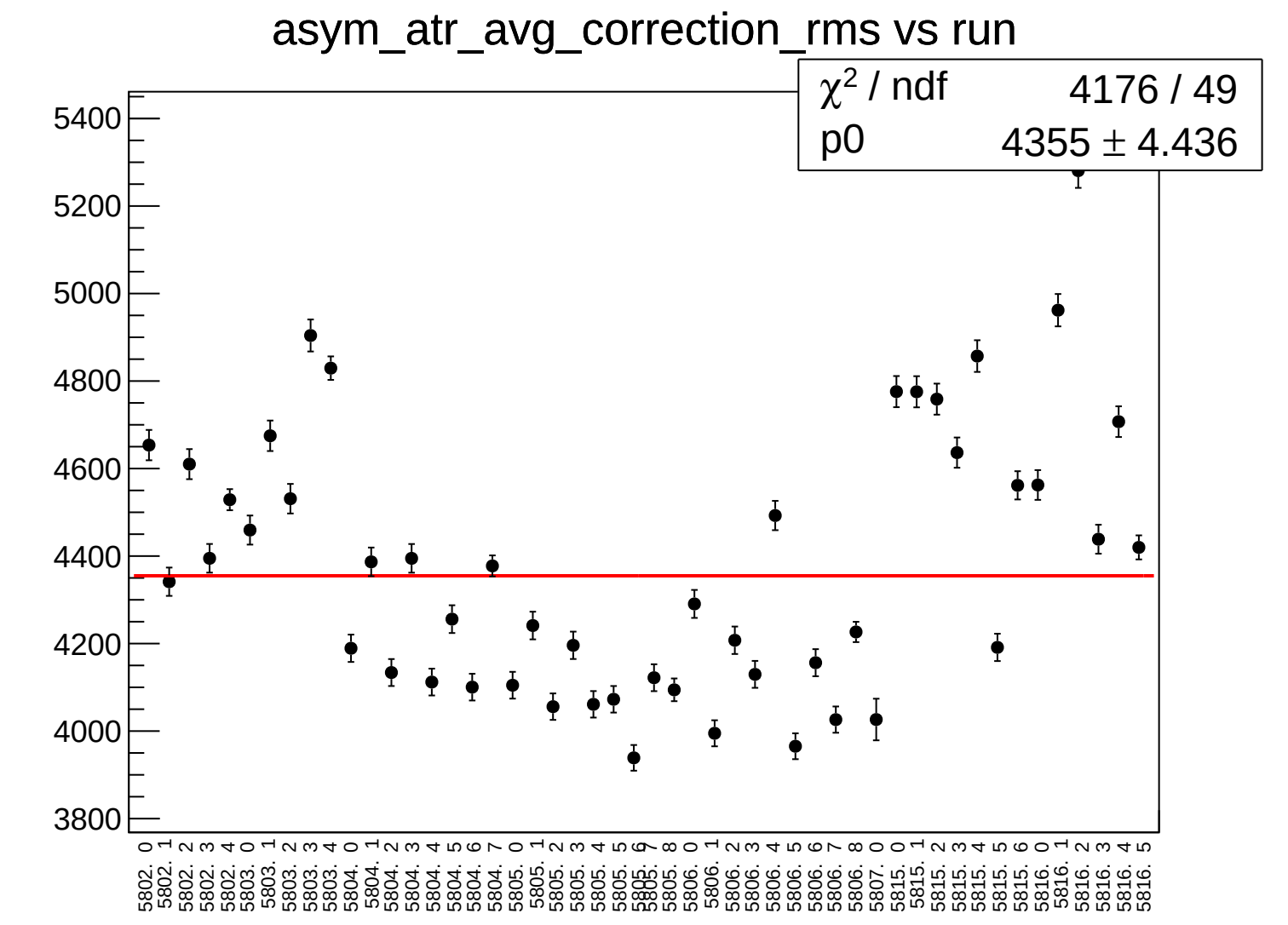

dit_asym_atr_avg_mean vs run
χ² / ndf 55.89 / 49
p0 1895 ± 2772
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean 69.46
Std Dev 56.4
2
1
0
−1
−2

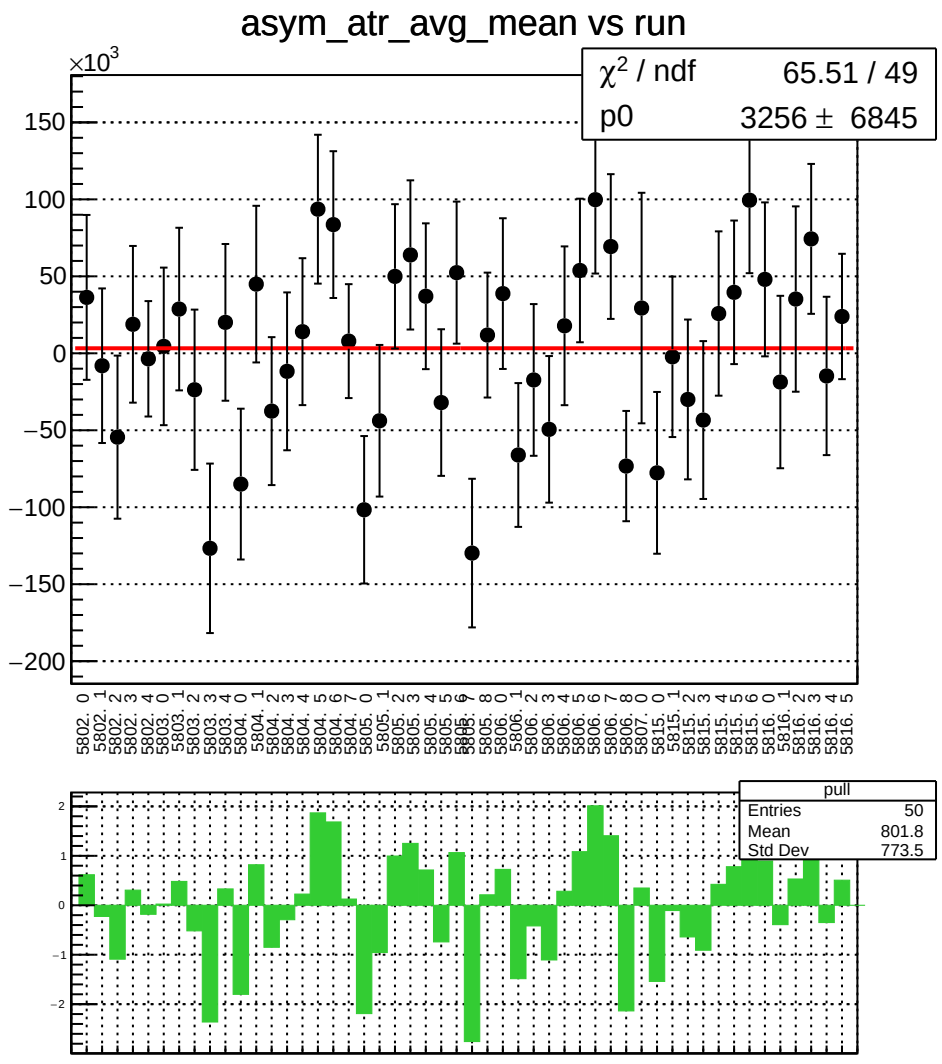

pull1D
Entries 50
Mean 0.01229
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

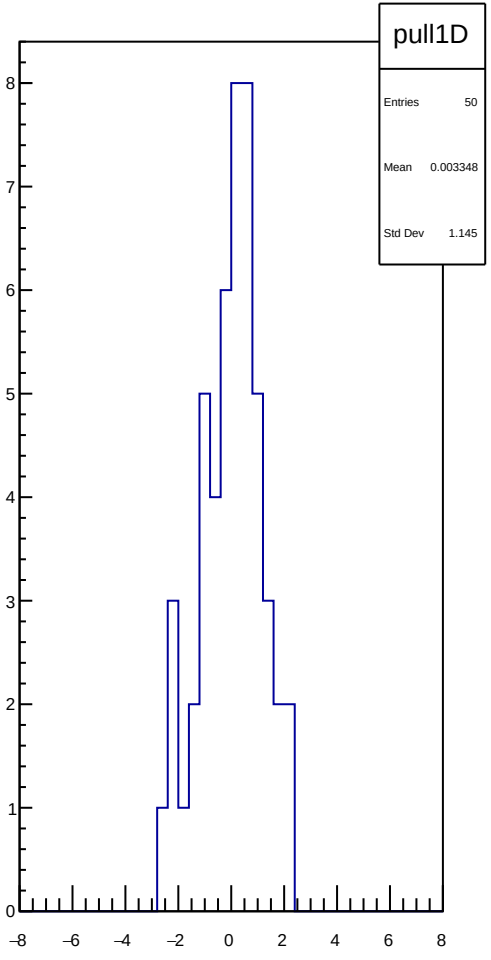

dit_asym_atr_avg_rms vs run
χ² / ndf 1.033e+04 / 49
p0 1918 ± 1.96
4500
4000
3500
3000
2500
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

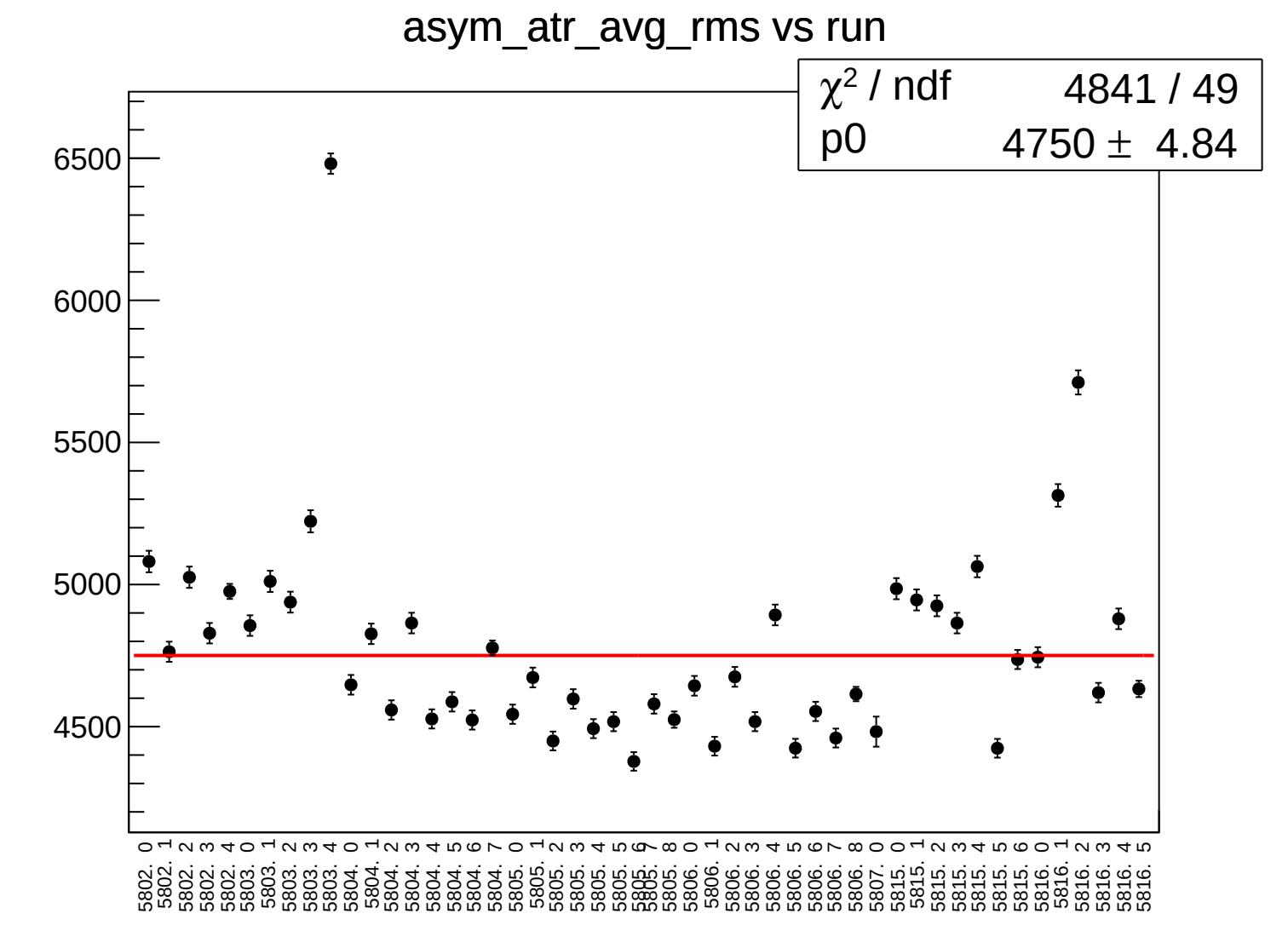

asym_atr_avg_correction_mean vs run
χ² / ndf 70.21 / 49
p0 −2614 ± 6273
×10³
pull
Entries 50
Mean −149.7
Std Dev 172.3

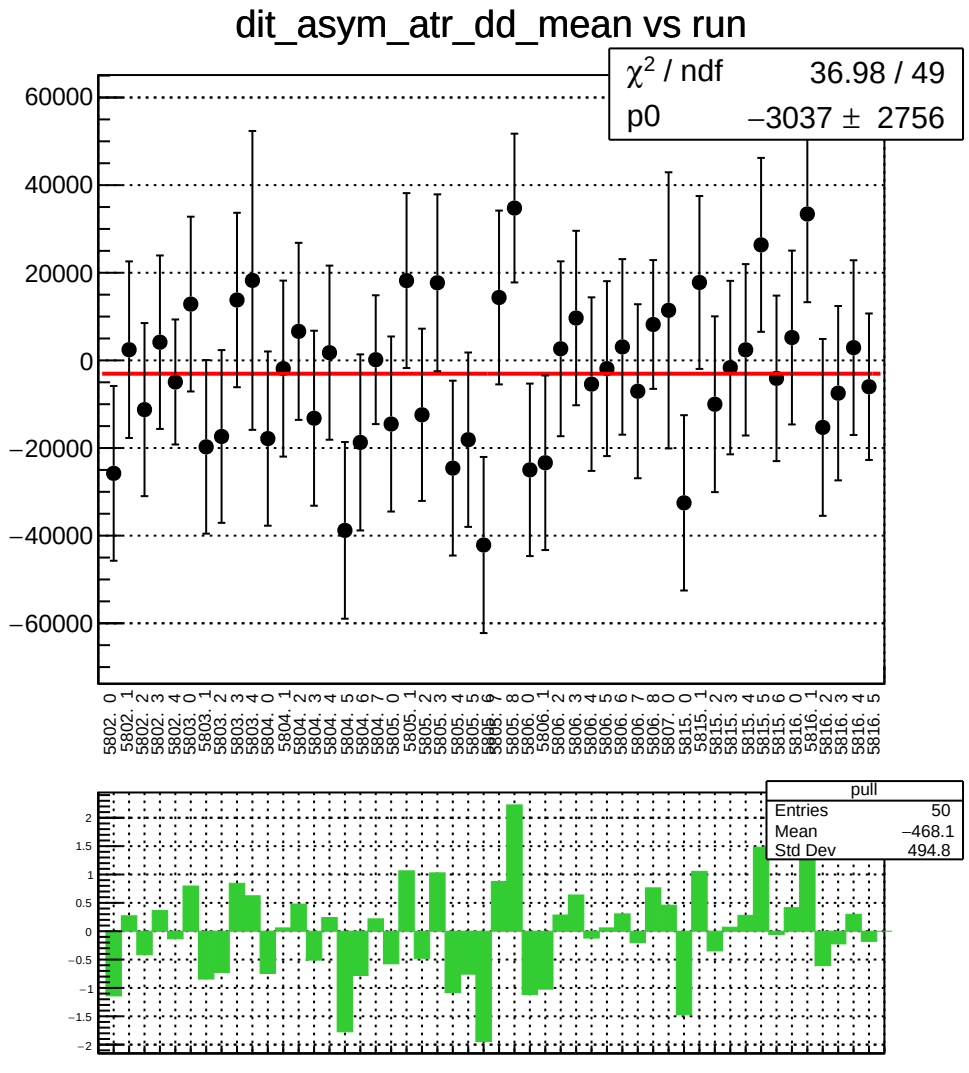

pull1D
Entries 50
Mean 0.01391
Std Dev 1.185

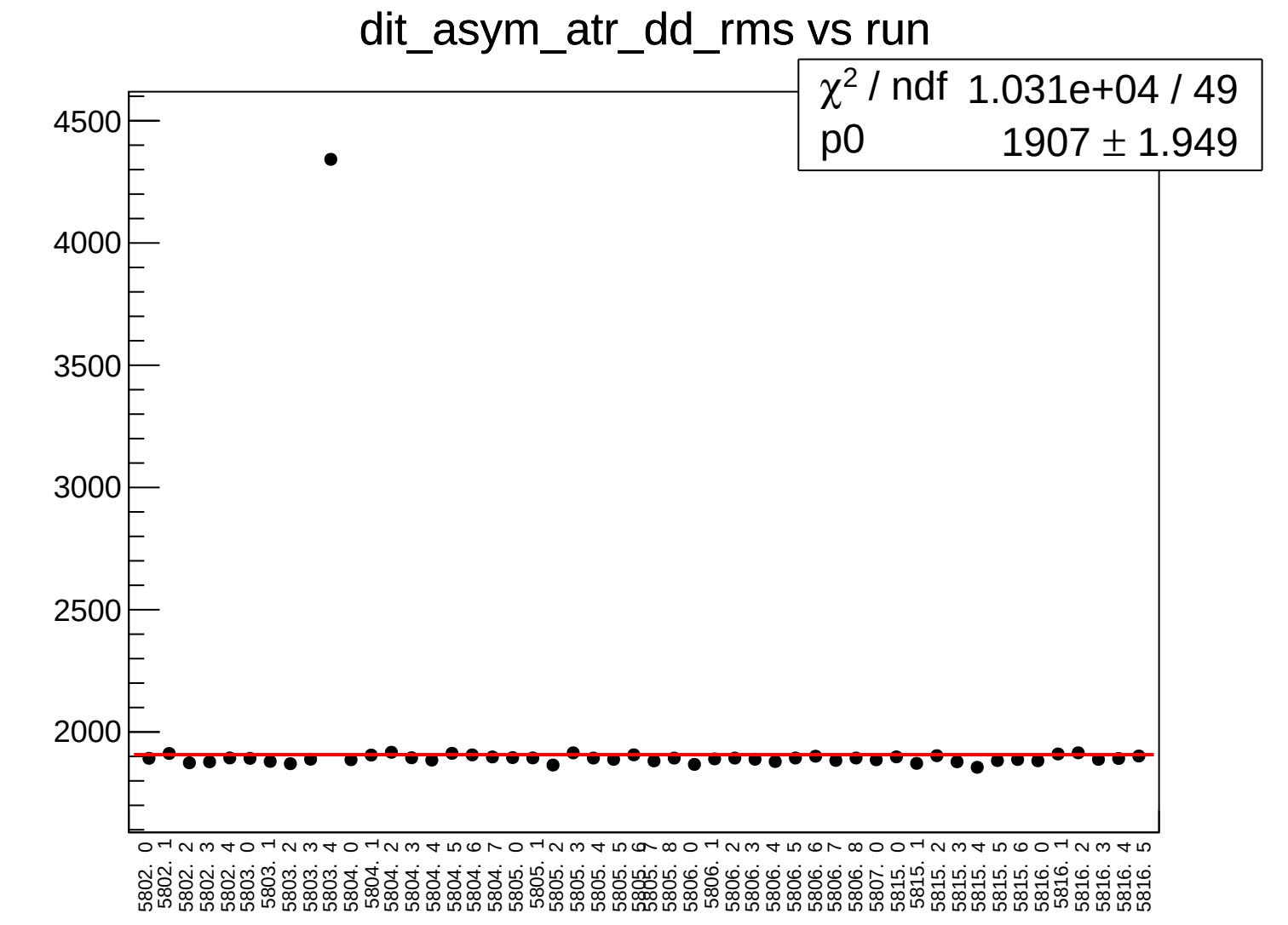

asym_atr_avg_correction_rms vs run
χ^2 / ndf 4176 / 49
p0 4355 ± 4.436
5400
5200
5000
4800
4600
4400
4200
4000
3800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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

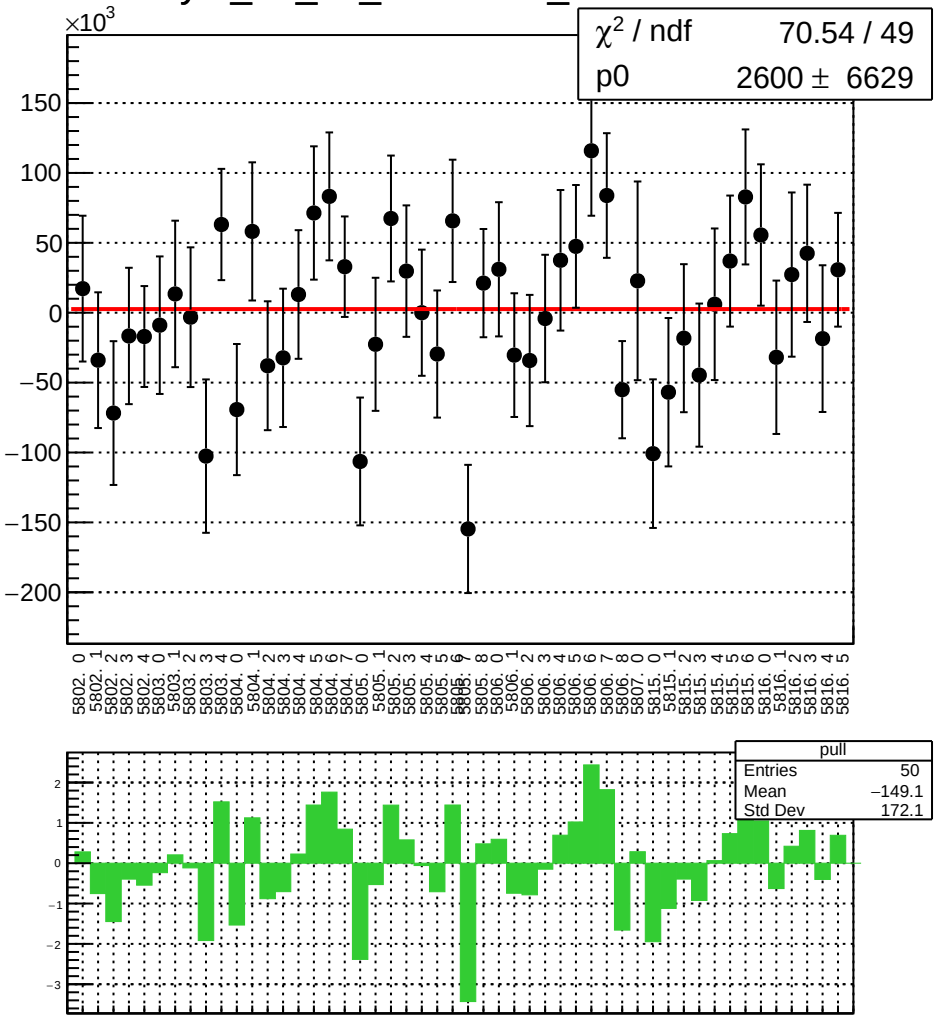

asym_atr_avg_mean vs run
×10^3
χ² / ndf 65.51 / 49
p0 3256 ± 6845
150
100
50
0
−50
−100
−150
−200
pull
Entries 50
Mean 801.8
Std Dev 773.5
2
1
0
−1
−2

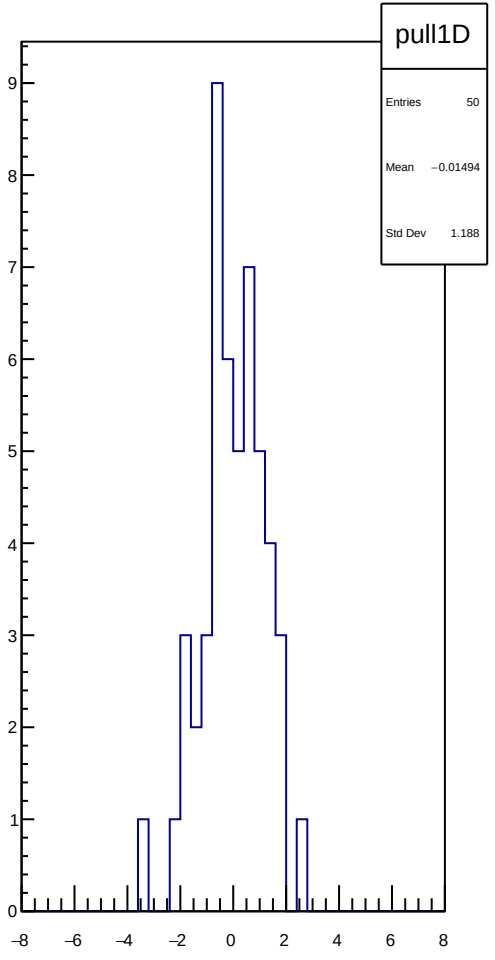

pull1D
Entries 50
Mean 0.003348
Std Dev 1.145
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

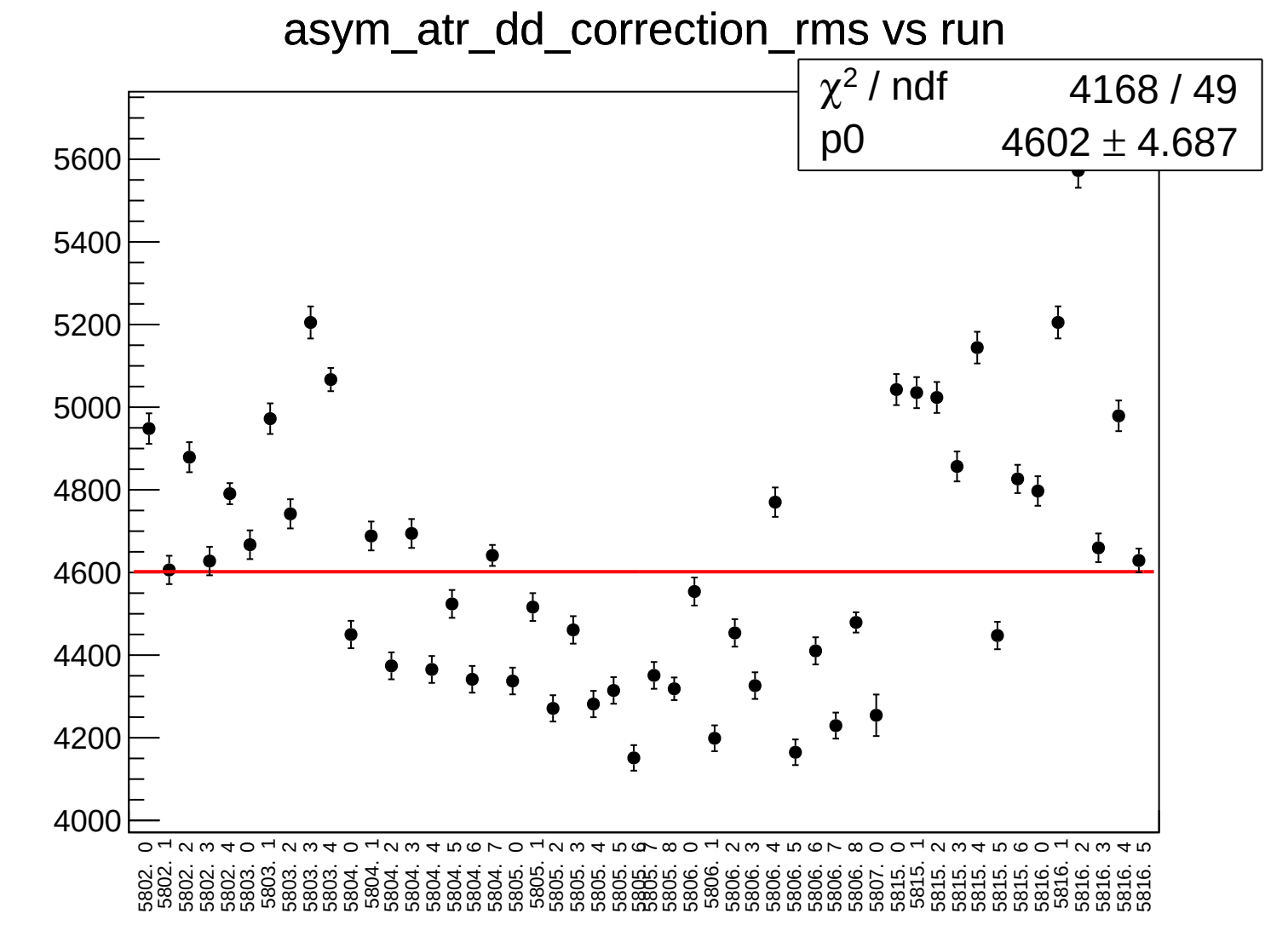

asym_atr_avg_rms vs run
χ² / ndf 4841 / 49
p0 4750 ± 4.84
6500
6000
5500
5000
4500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806.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

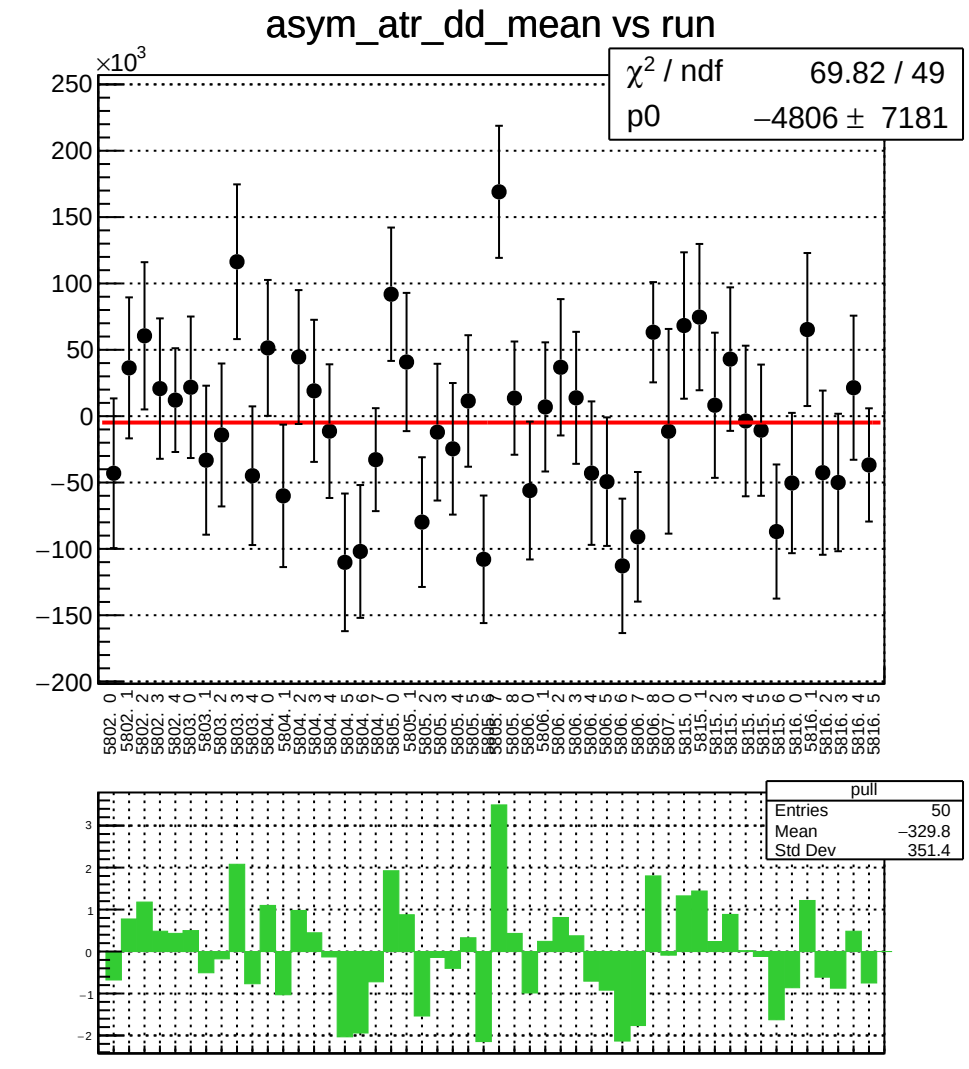

dit_asym_atr_dd_mean vs run
χ² / ndf 36.98 / 49
p0 −3037 ± 2756
pull
Entries 50
Mean −468.1
Std Dev 494.8
pull1D
Entries 50
Mean −0.004561
Std Dev 0.8599

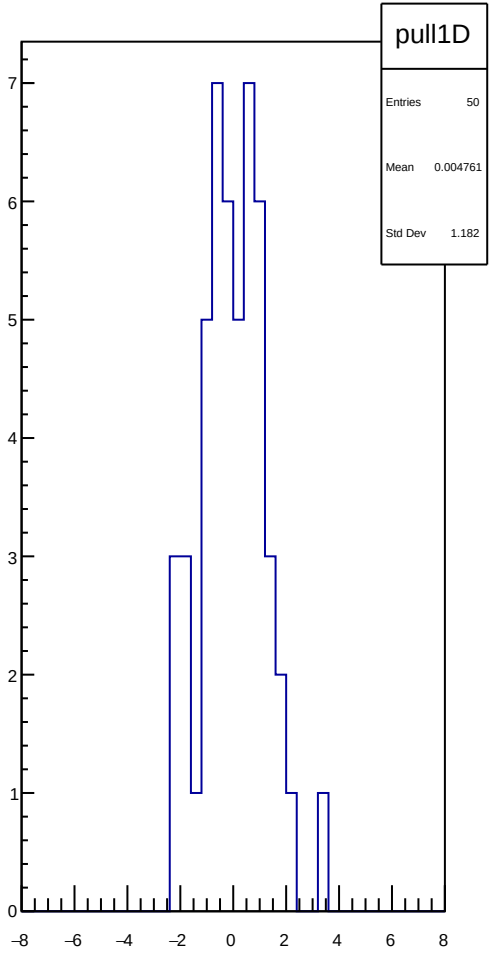

dit_asym_atr_dd_rms vs run
χ² / ndf 1.031e+04 / 49
p0 1907 ± 1.949
4500
4000
3500
3000
2500
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

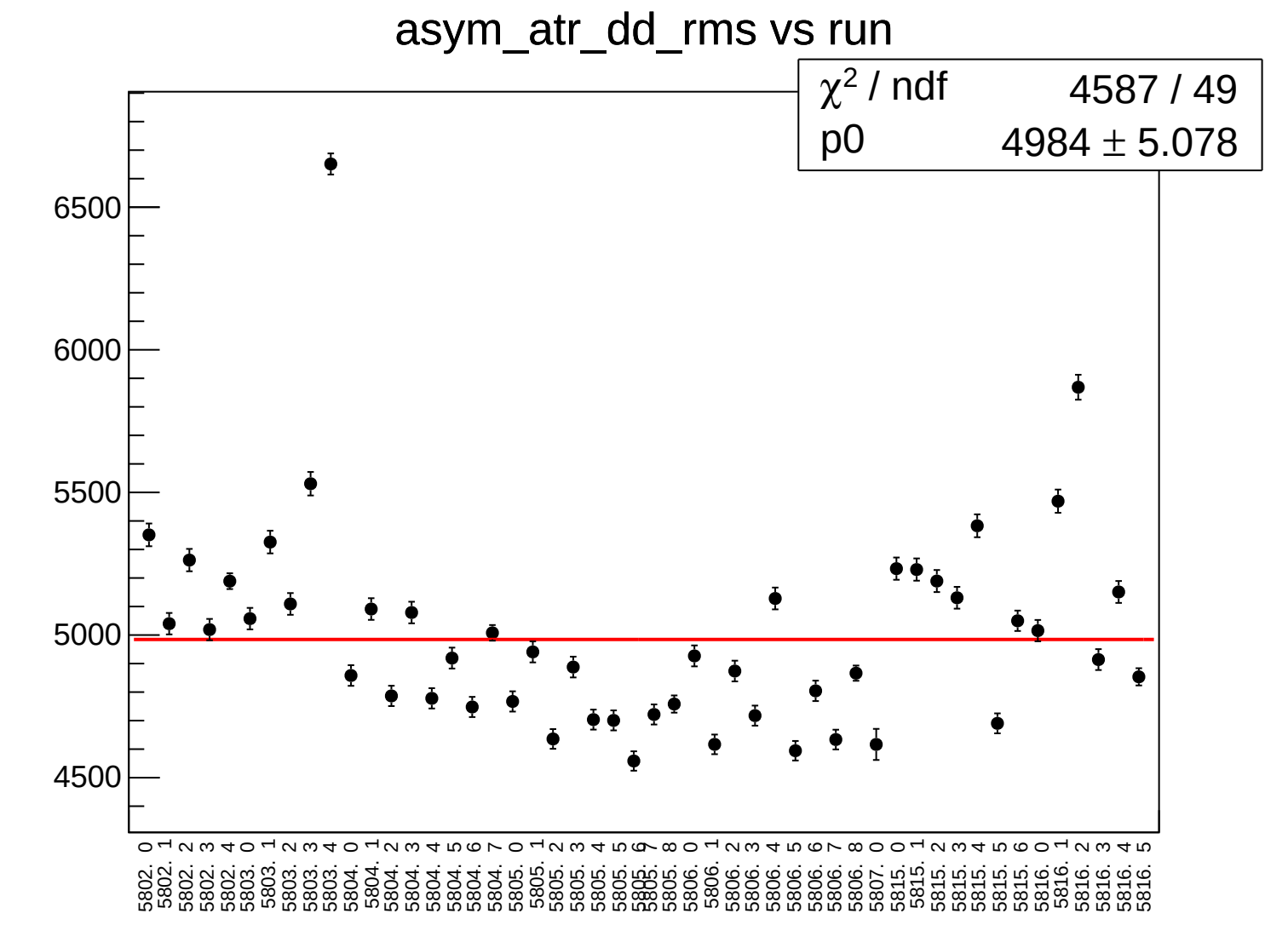

asym_atr_dd_correction_mean vs run
χ² / ndf 70.54 / 49
p0 2600 ± 6629
pull
Entries 50
Mean −149.1
Std Dev 172.1

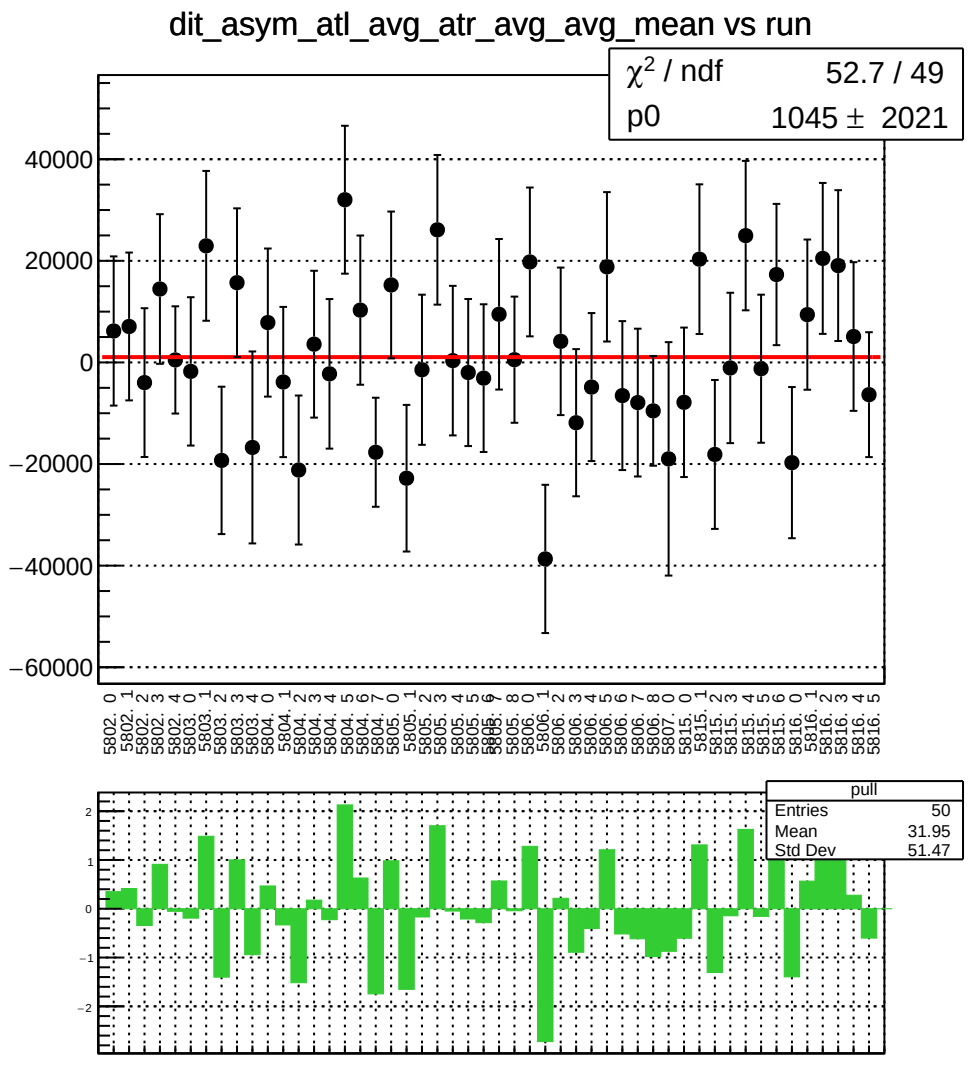

pull1D
Entries 50
Mean −0.01494
Std Dev 1.188

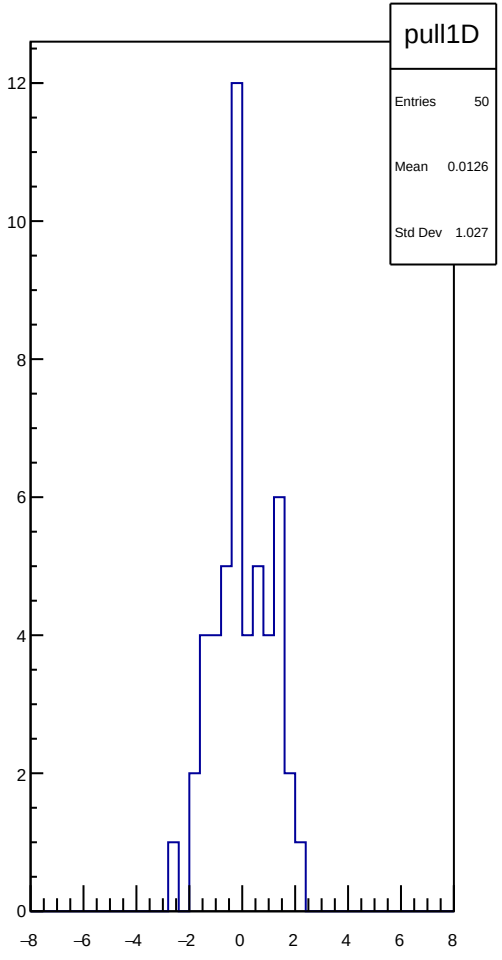

asym_atr_dd_correction_rms vs run
χ² / ndf 4168 / 49
p0 4602 ± 4.687
5600
5400
5200
5000
4800
4600
4400
4200
4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

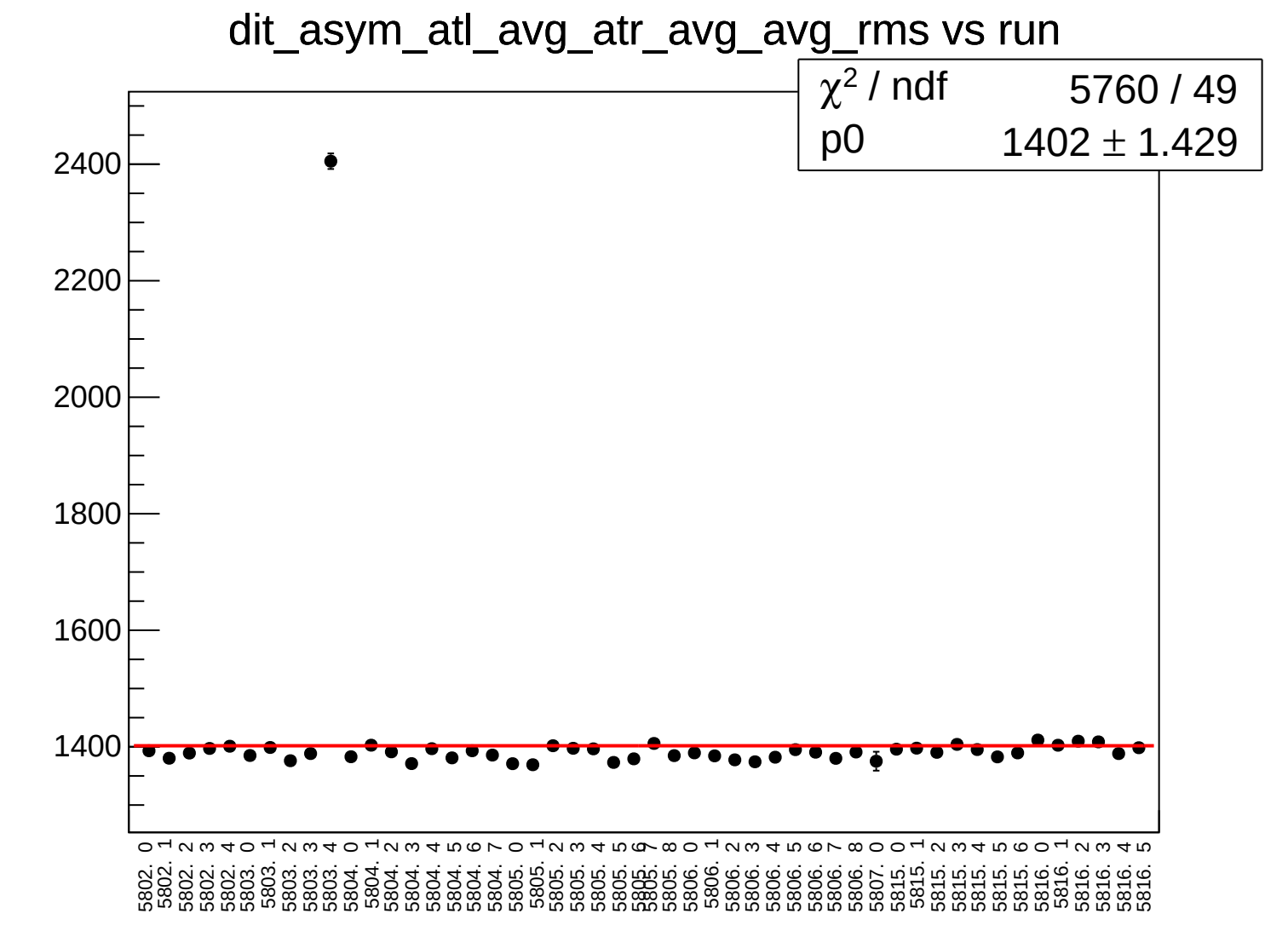

asym_atr_dd_mean vs run
×10^3
χ² / ndf 69.82 / 49
p0 −4806 ± 7181
pull
Entries 50
Mean −329.8
Std Dev 351.4

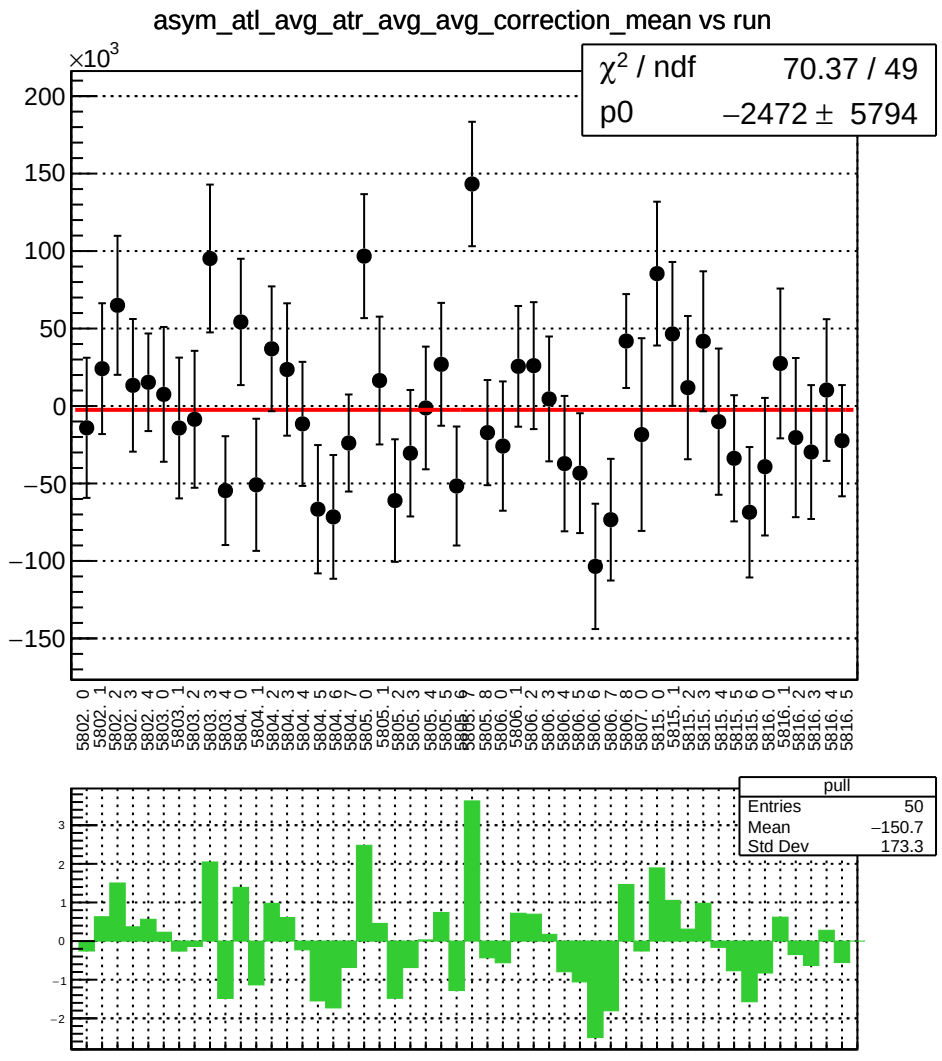

pull1D
Entries 50
Mean 0.004761
Std Dev 1.182

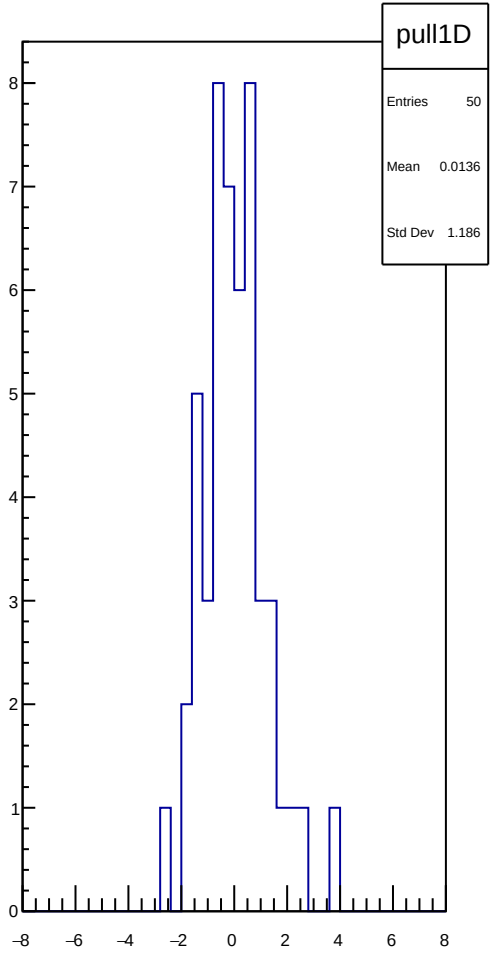

asym_atr_dd_rms vs run
χ² / ndf 4587 / 49
p0 4984 ± 5.078
6500
6000
5500
5000
4500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806.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

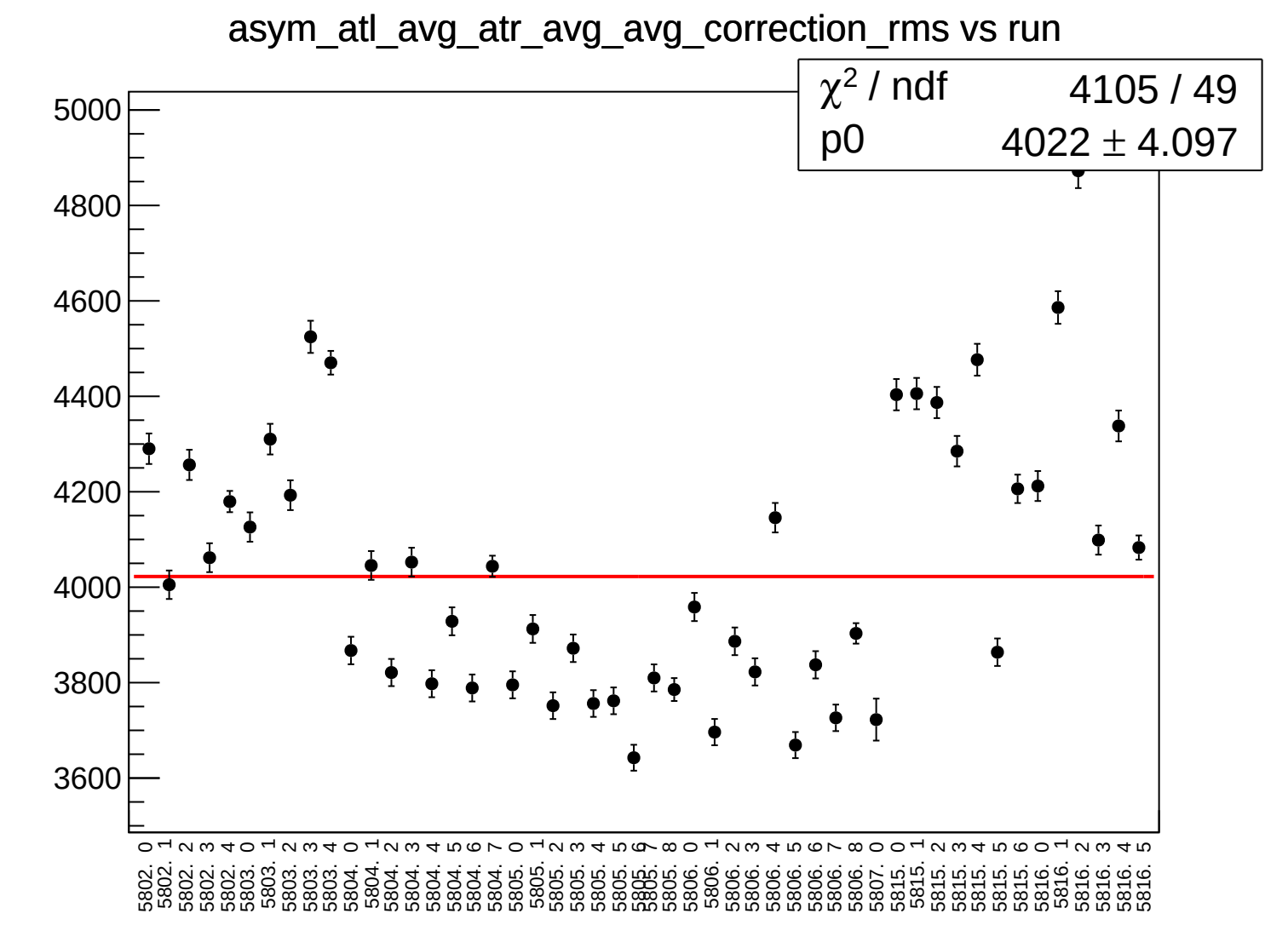

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 52.7 / 49
p0 1045 ± 2021
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 31.95
Std Dev 51.47
2
1
0
−1
−2

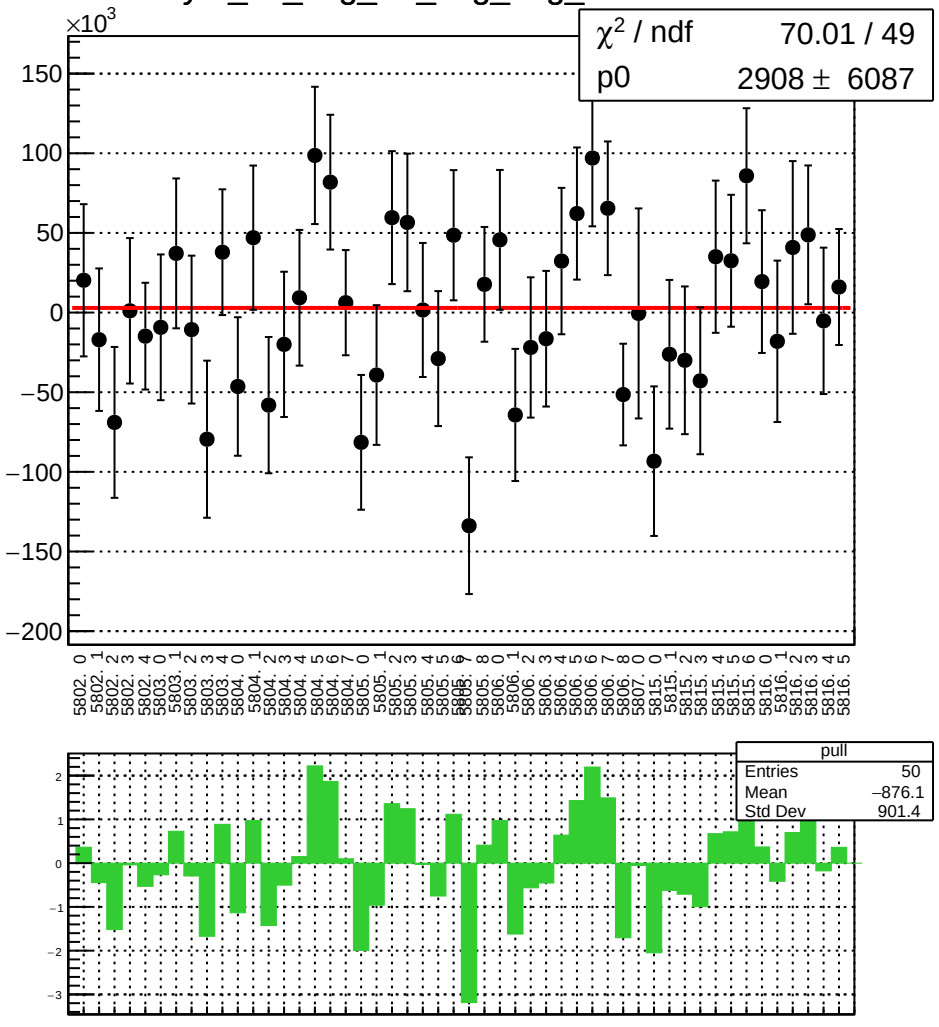

pull1D
Entries 50
Mean 0.0126
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

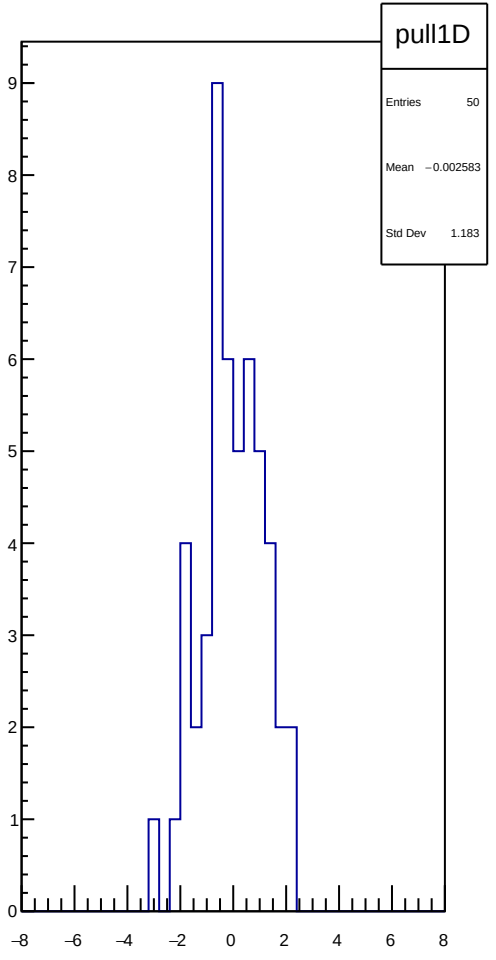

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5760 / 49
p0 1402 ± 1.429
2400
2200
2000
1800
1600
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

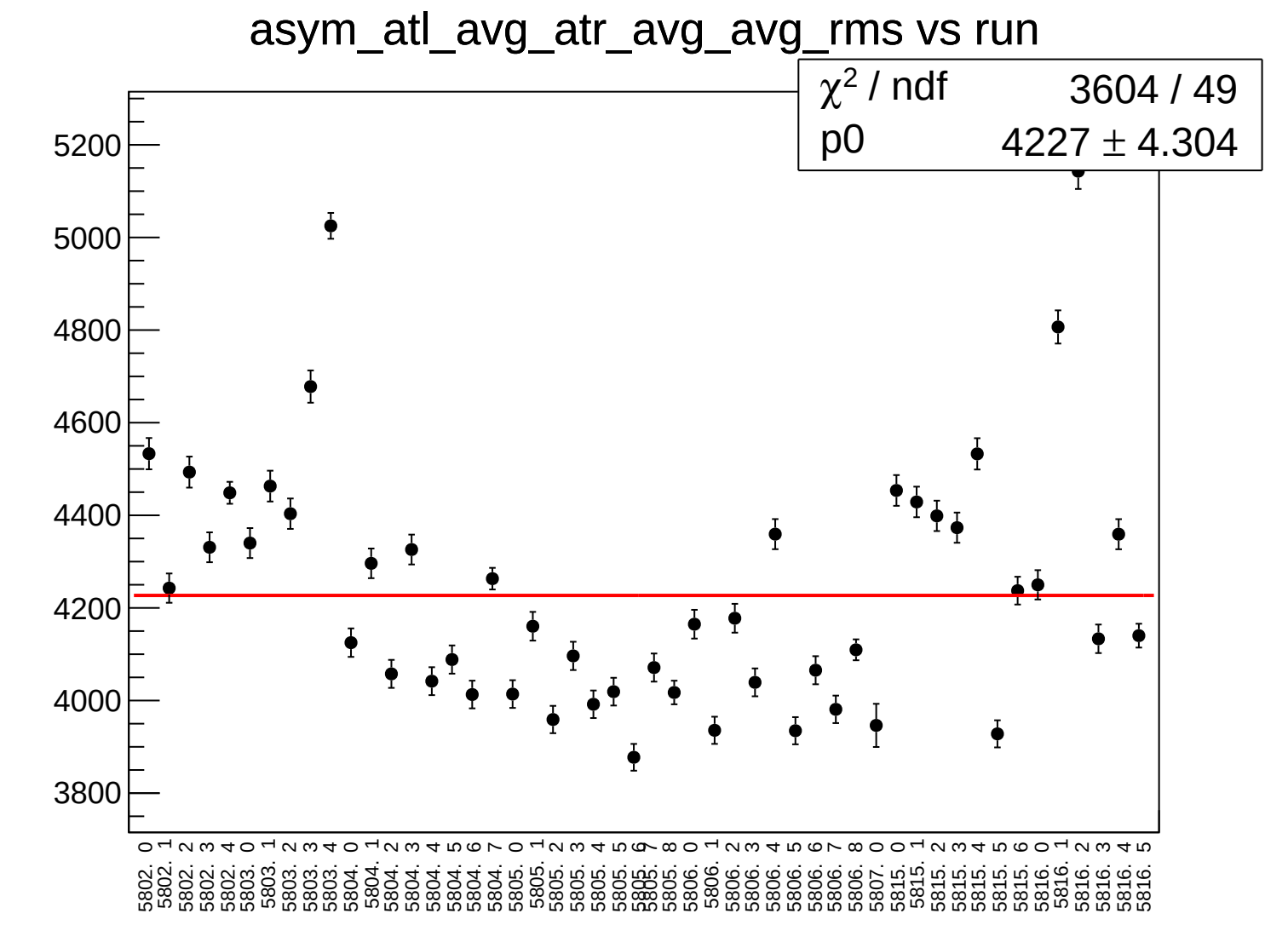

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 70.37 / 49
p0 −2472 ± 5794
200
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −150.7
Std Dev 173.3
3
2
1
0
−1
−2

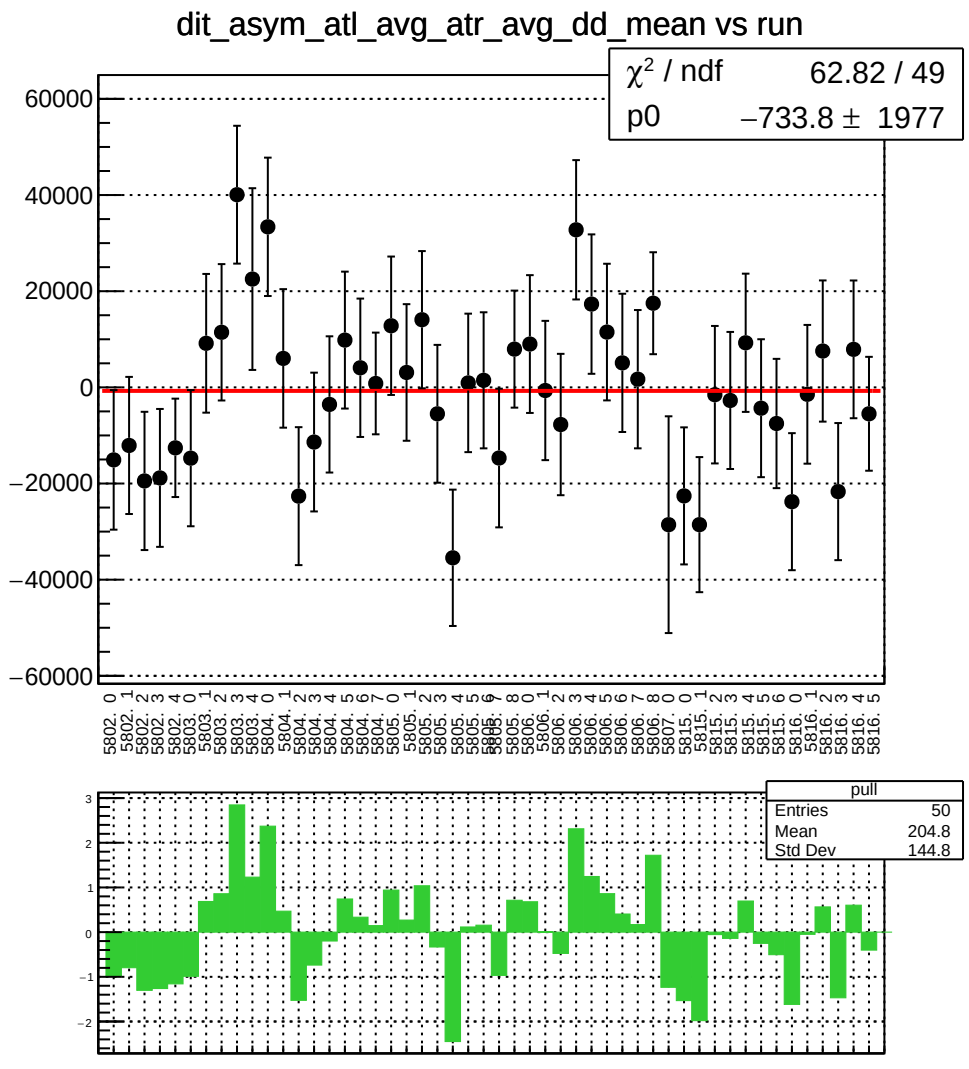

pull1D
Entries 50
Mean 0.0136
Std Dev 1.186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

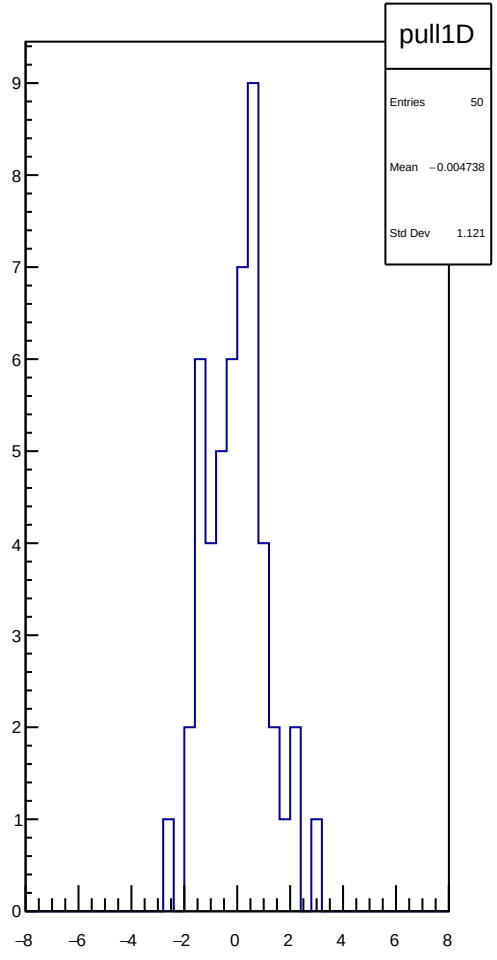

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 4105 / 49
p0 4022 ± 4.097
5000
4800
4600
4400
4200
4000
3800
3600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 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

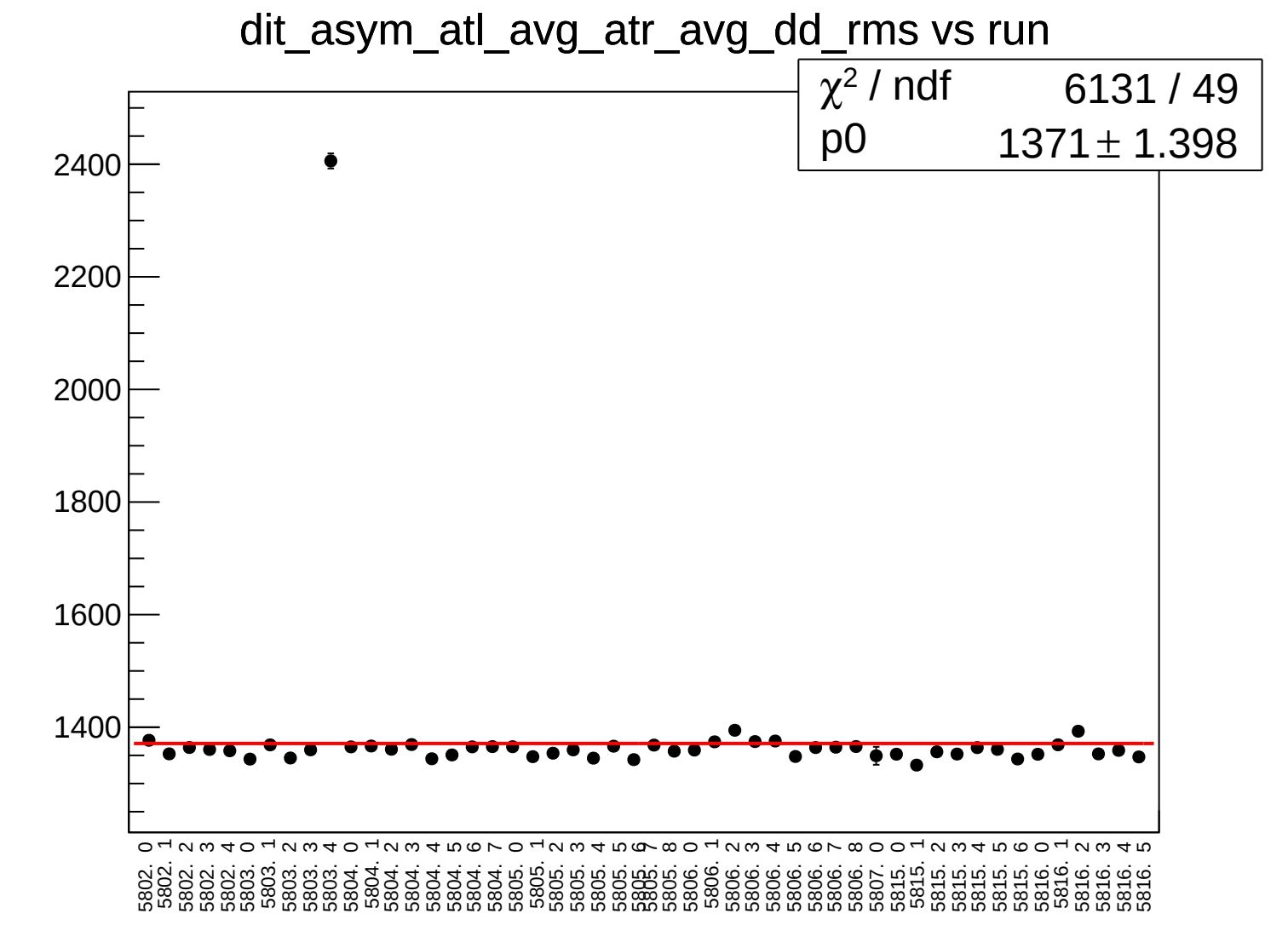

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 70.01 / 49
p0 2908 ± 6087
pull
Entries 50
Mean −876.1
Std Dev 901.4

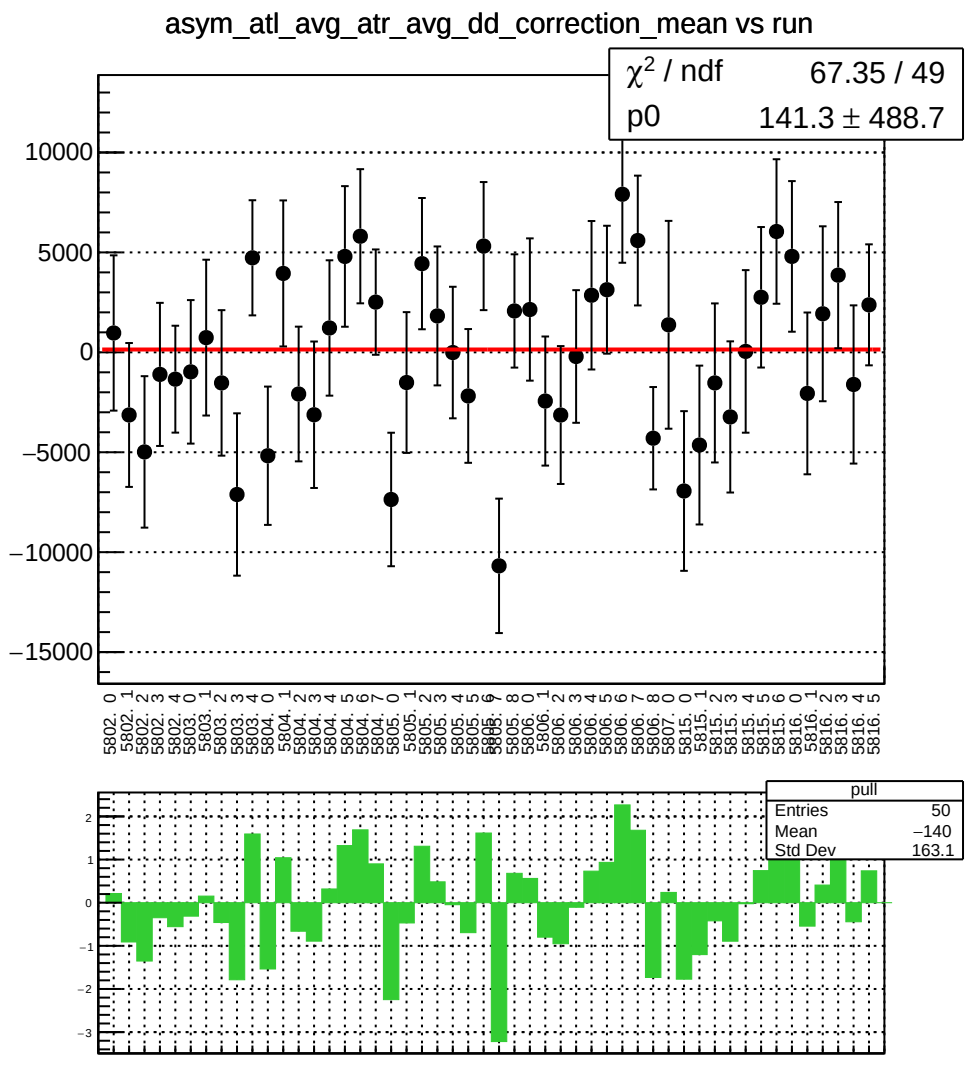

pull1D
Entries 50
Mean −0.002583
Std Dev 1.183

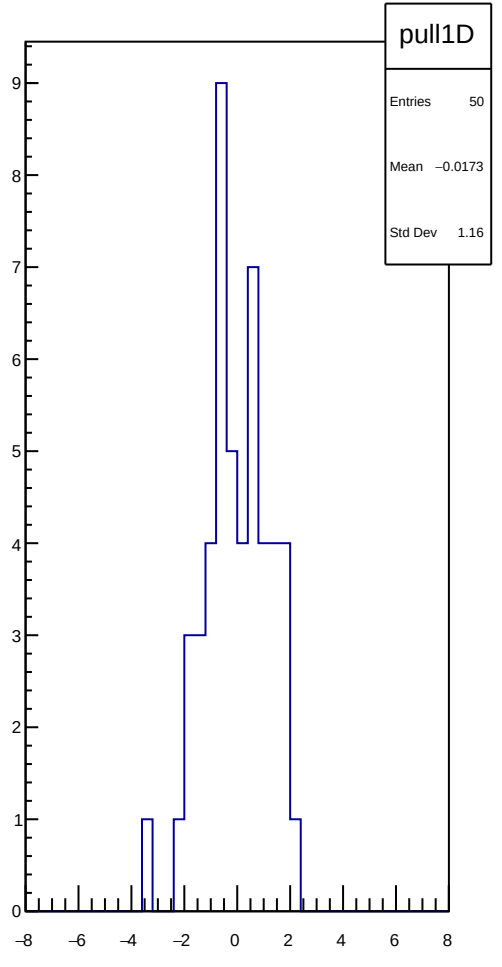

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3604 / 49
p0 4227 ± 4.304
5200
5000
4800
4600
4400
4200
4000
3800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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

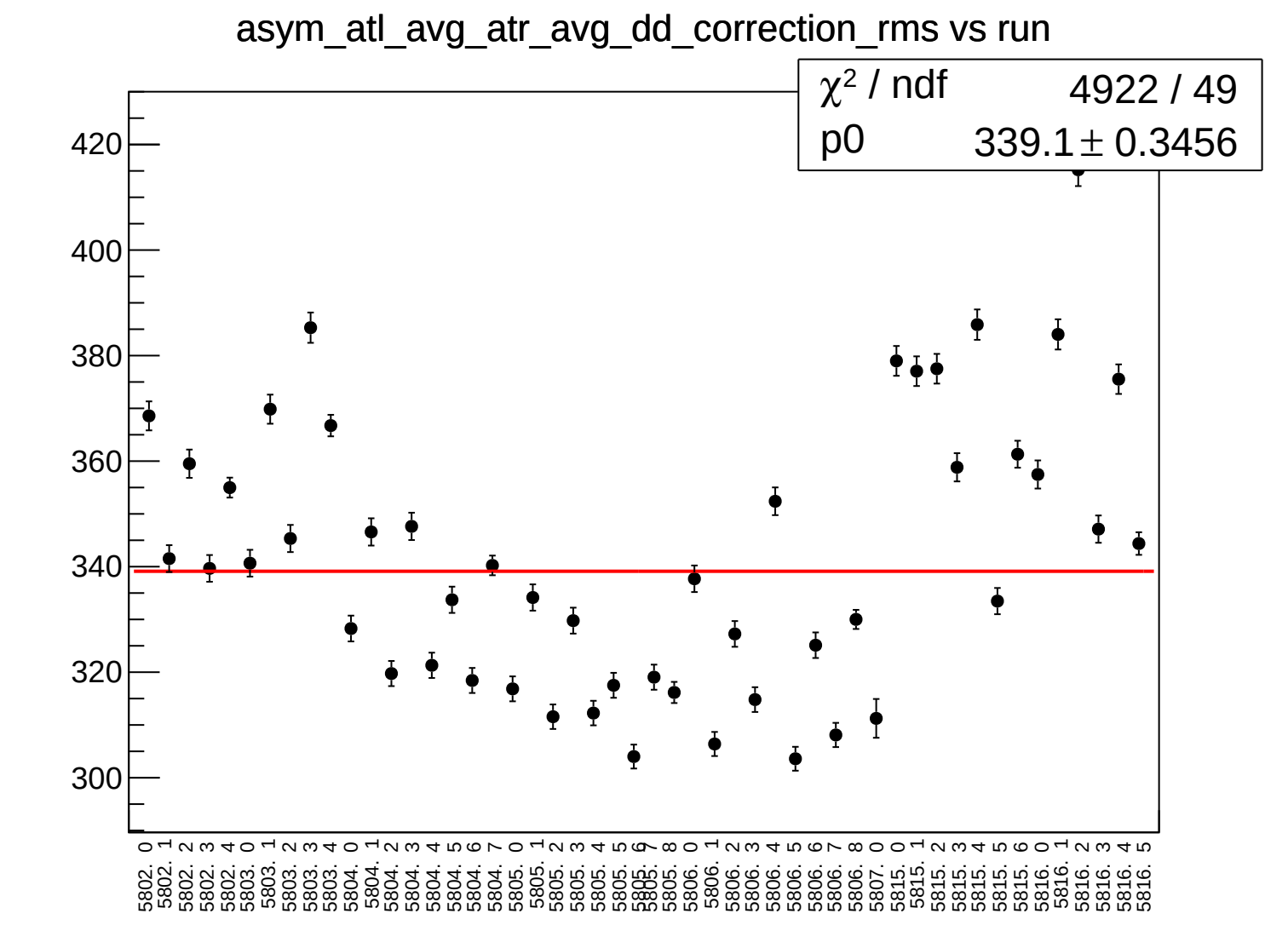

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 62.82 / 49
p0 −733.8 ± 1977
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 204.8
Std Dev 144.8
3
2
1
0
−1
−2

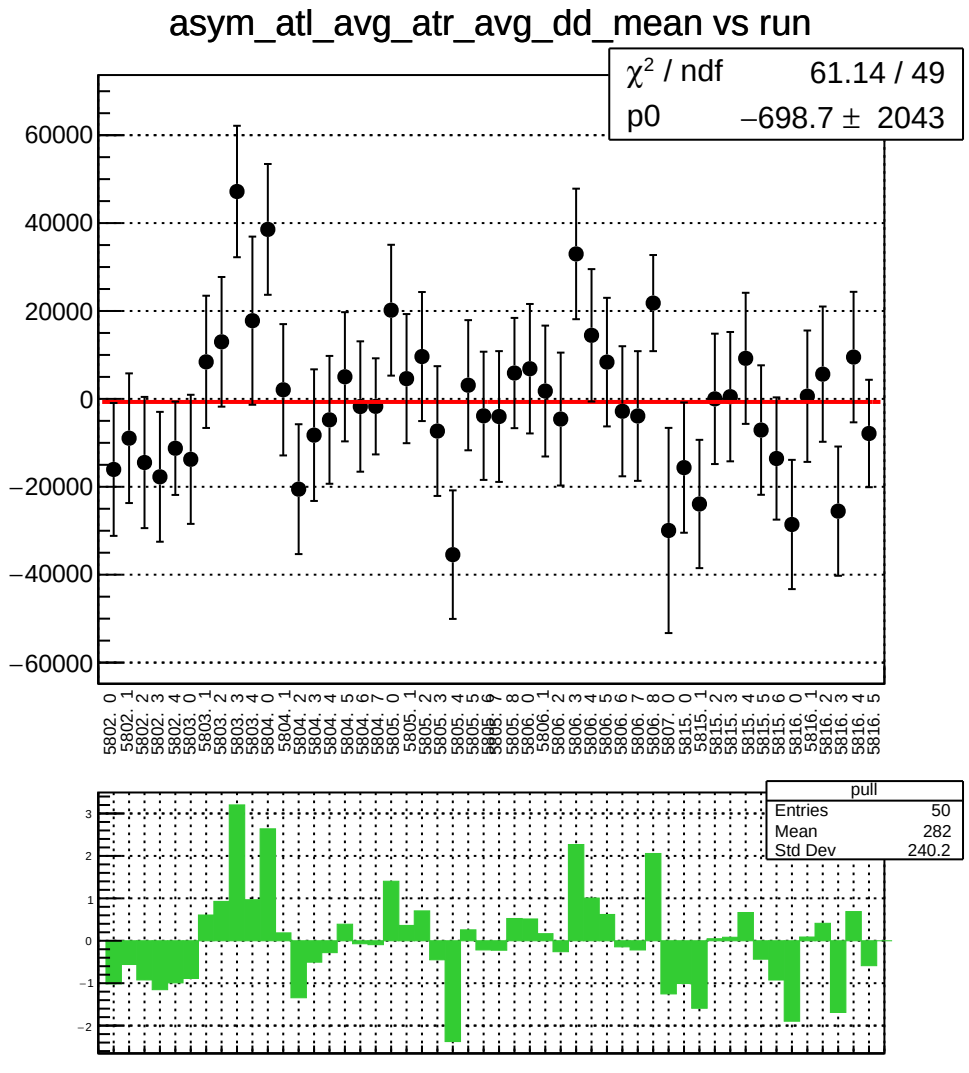

pull1D
Entries 50
Mean −0.004738
Std Dev 1.121
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

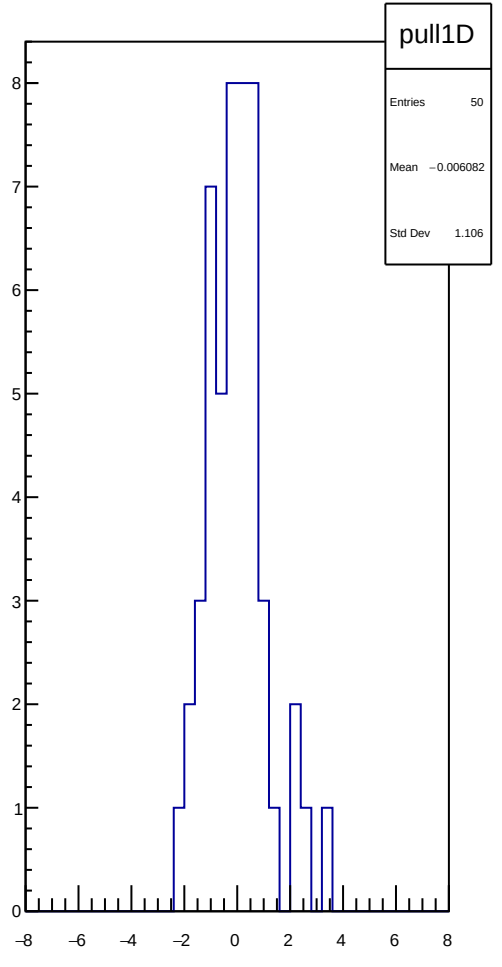

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6131 / 49
p0 1371 ± 1.398
2400
2200
2000
1800
1600
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

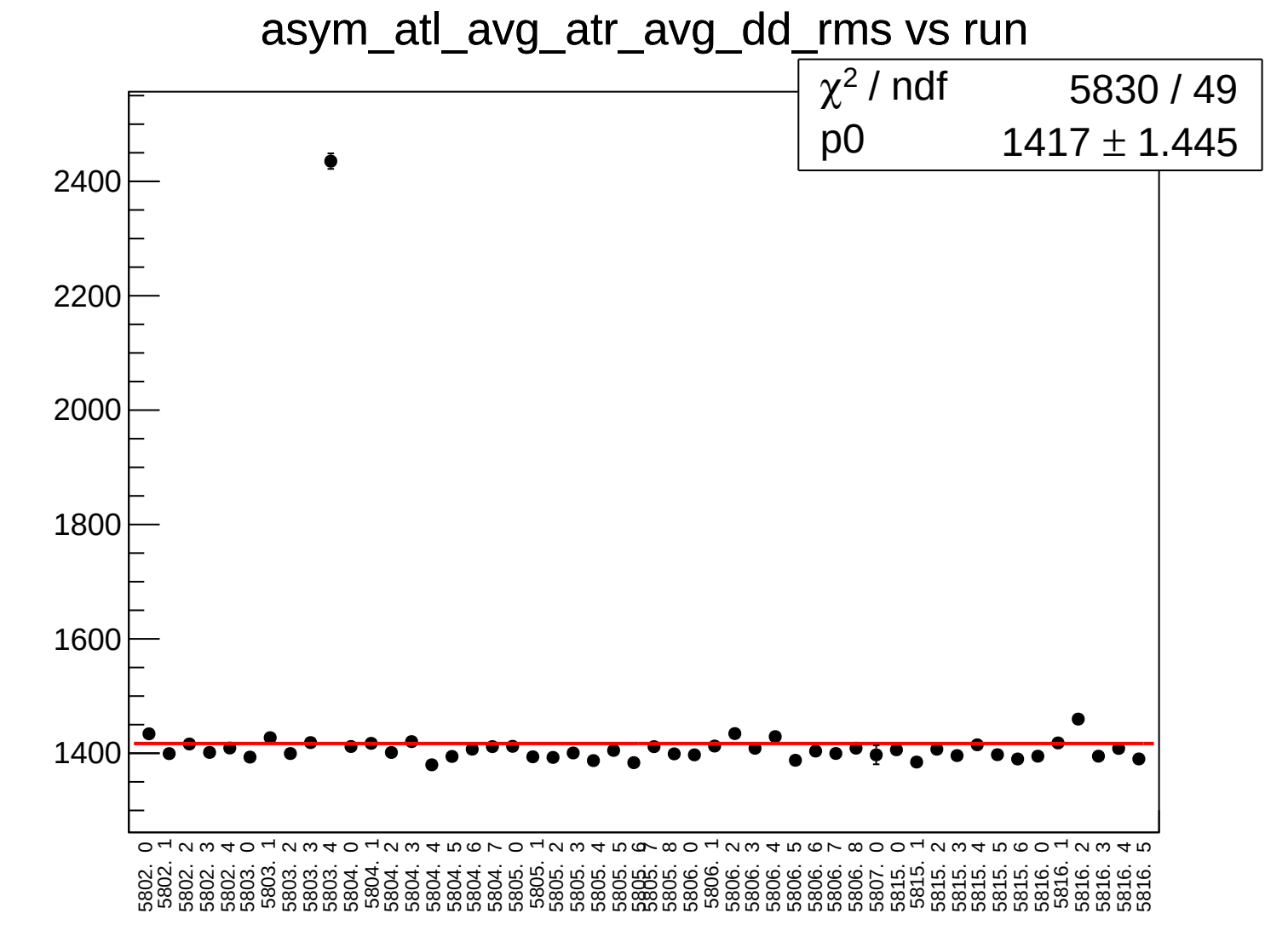

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 67.35 / 49
p0 141.3 ± 488.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −140
Std Dev 163.1
2
1
0
−1
−2
−3

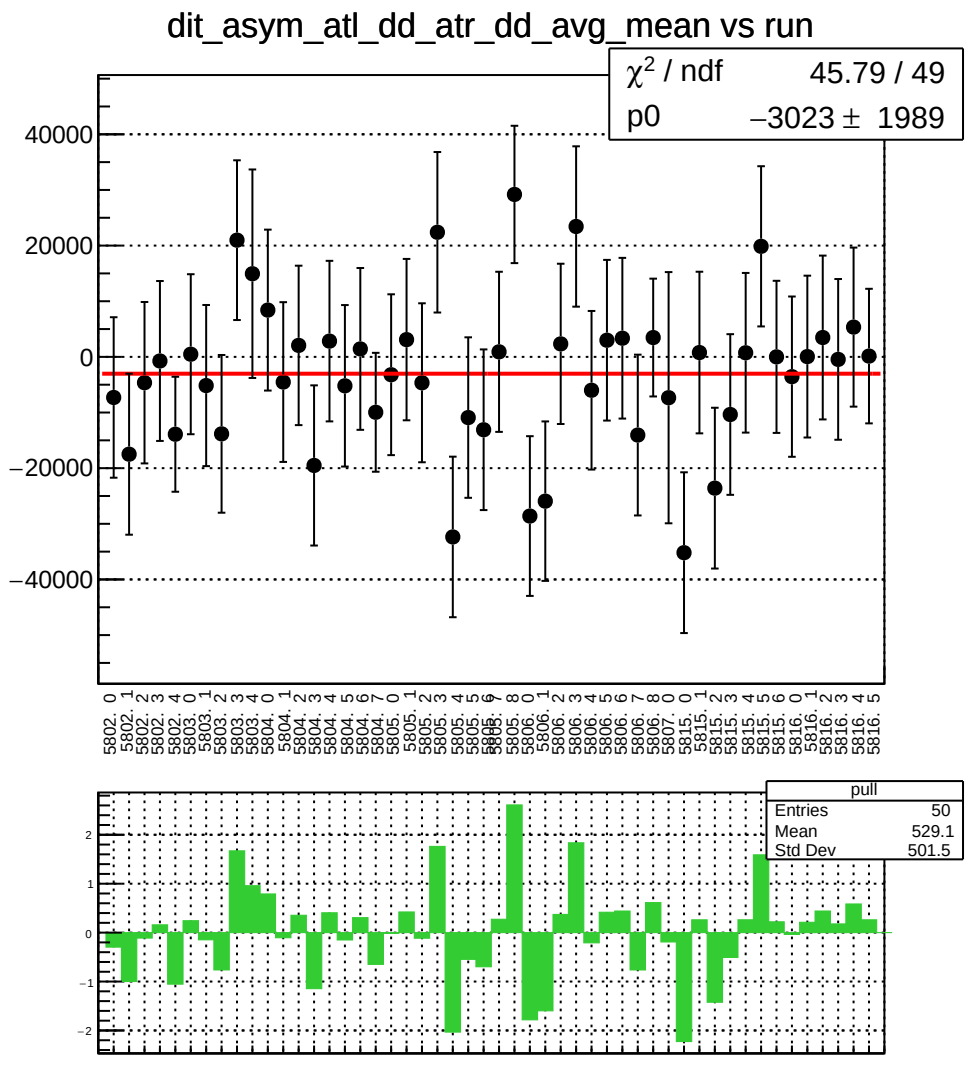

pull1D
Entries 50
Mean −0.0173
Std Dev 1.16
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

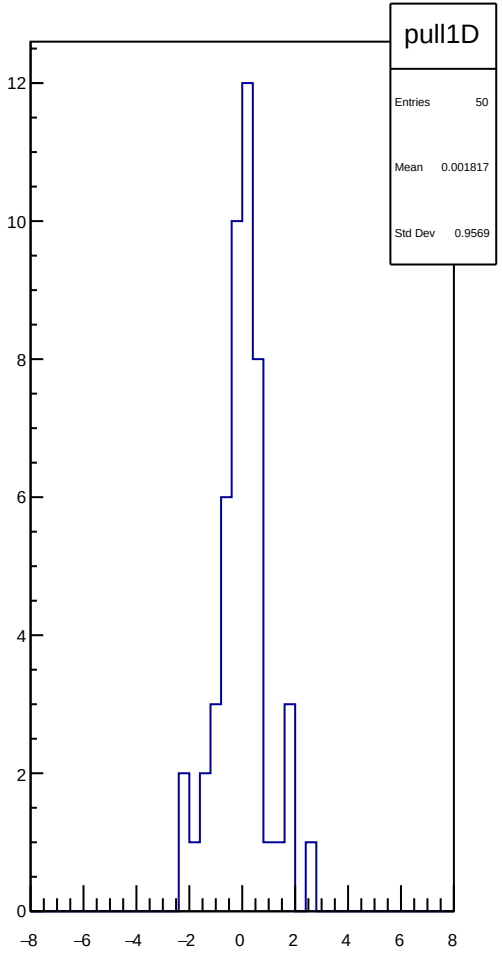

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4922 / 49
p0 339.1 ± 0.3456
420
400
380
360
340
320
300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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

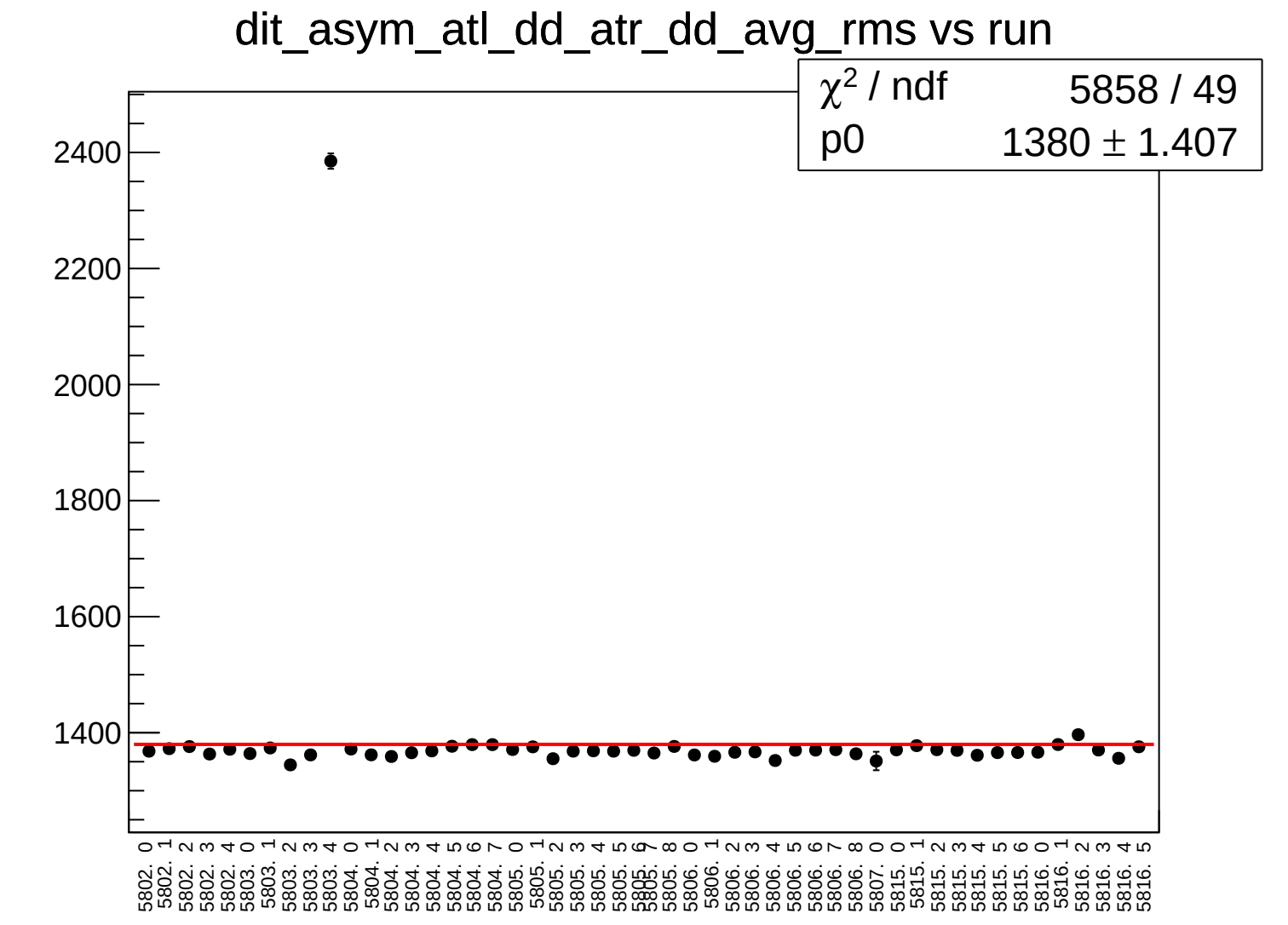

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 61.14 / 49
p0 −698.7 ± 2043
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 282
Std Dev 240.2
3
2
1
0
−1
−2

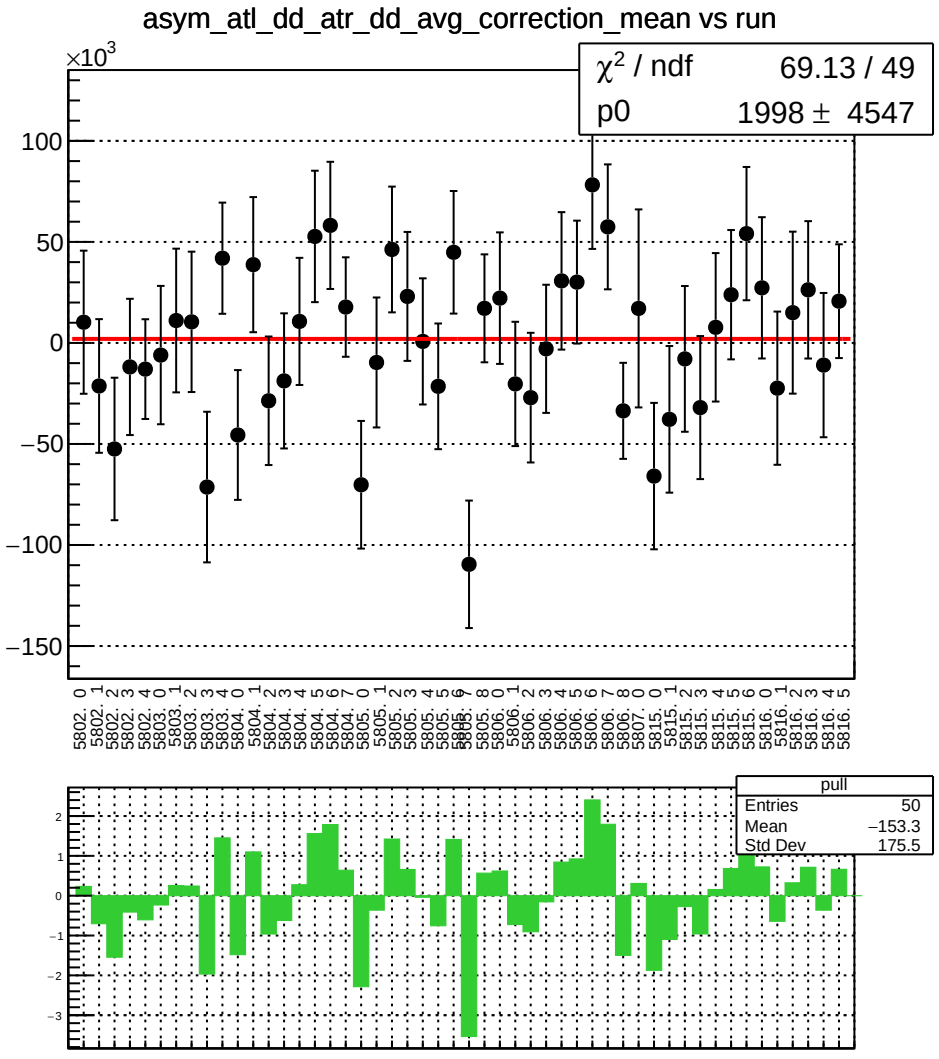

pull1D
Entries 50
Mean −0.006082
Std Dev 1.106
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

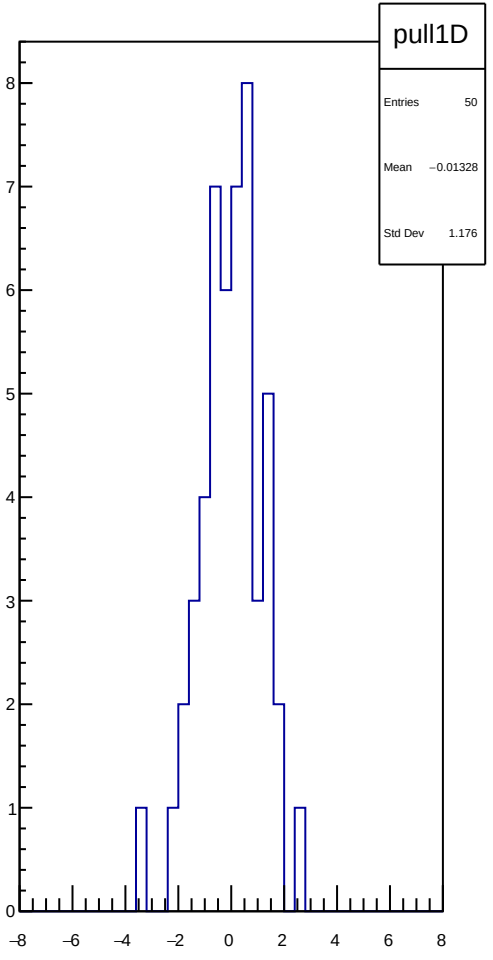

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5830 / 49
p0 1417 ± 1.445
2400
2200
2000
1800
1600
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

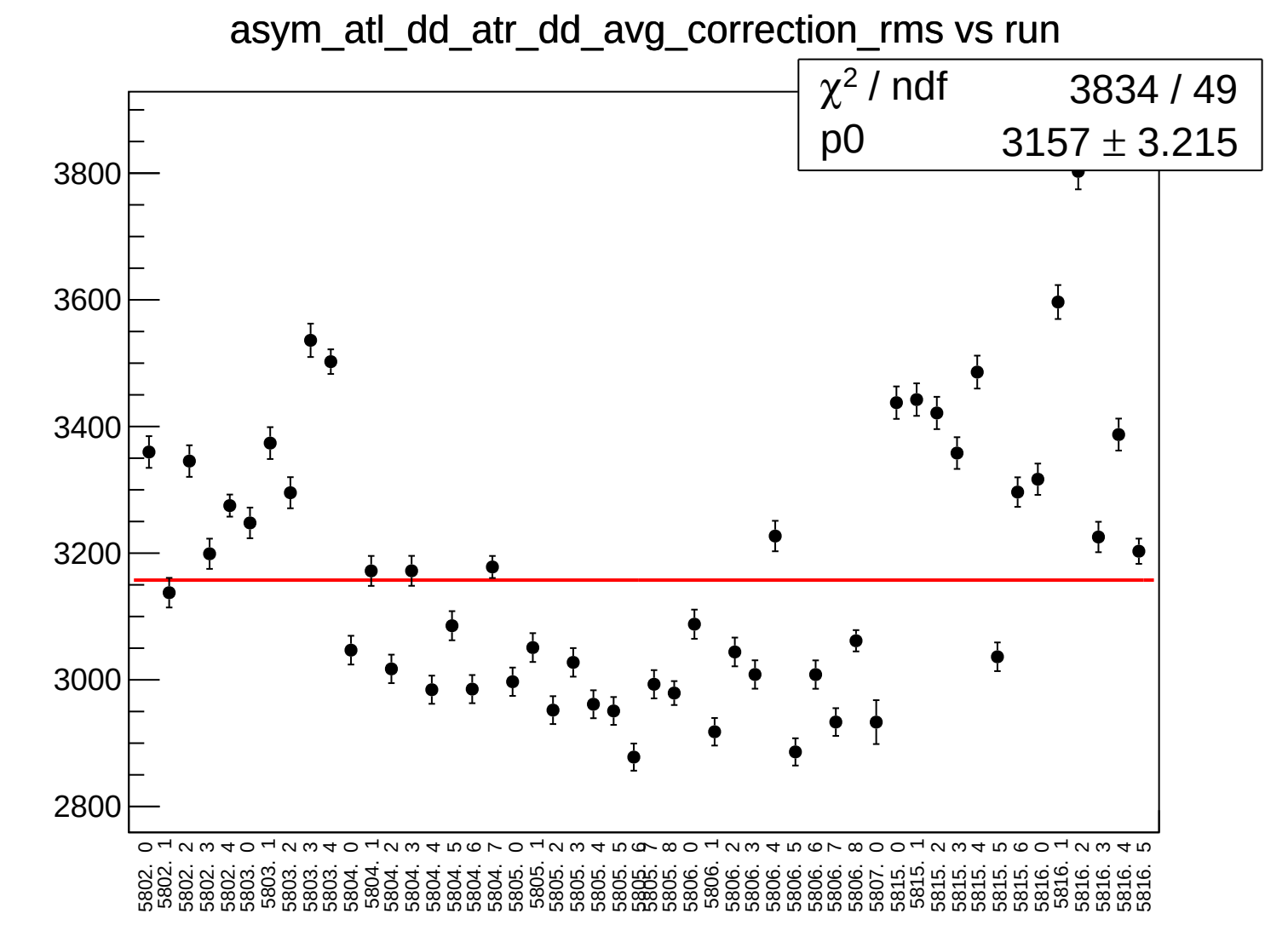

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 45.79 / 49
p0 −3023 ± 1989
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 529.1
Std Dev 501.5
2
1
0
−1
−2

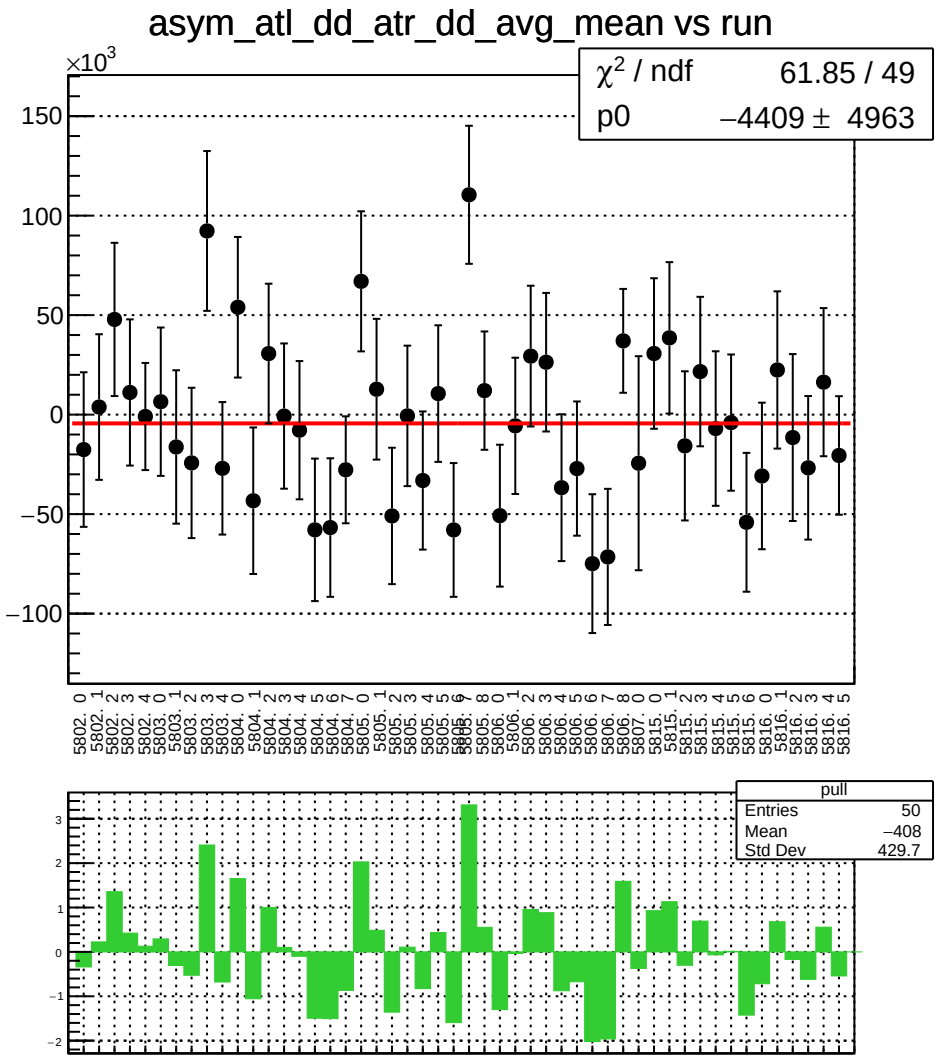

pull1D
Entries 50
Mean 0.001817
Std Dev 0.9569
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

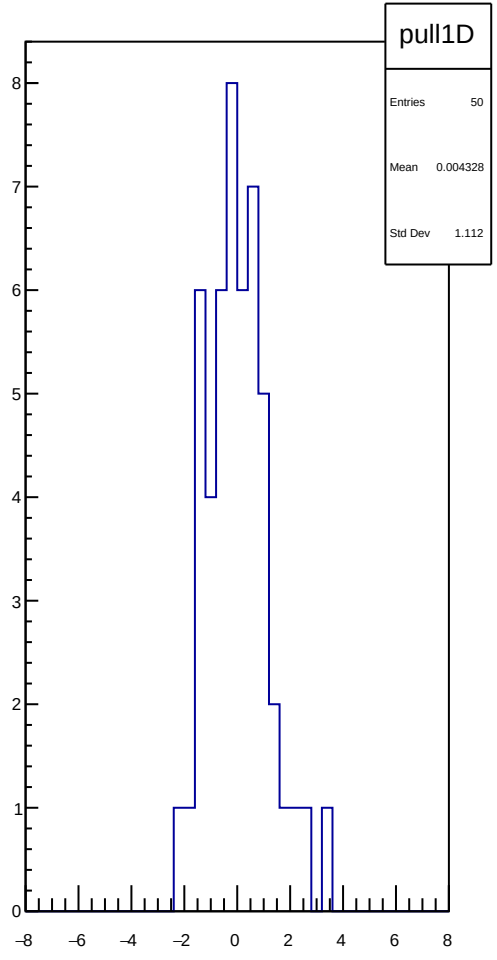

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5858 / 49
p0 1380 ± 1.407
2400
2200
2000
1800
1600
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

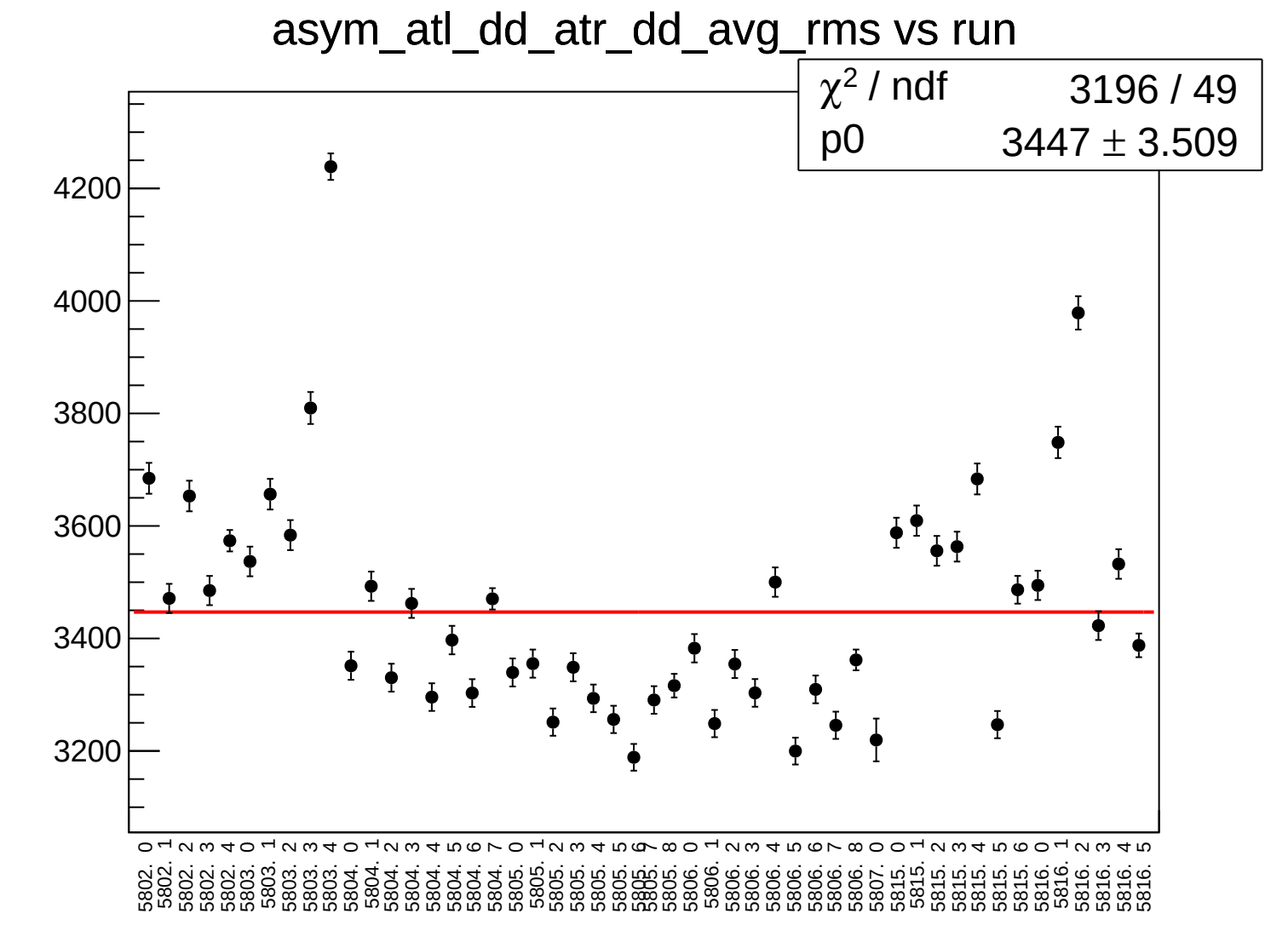

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ^2 / ndf 69.13 / 49
p0 1998 ± 4547
100
50
0
−50
−100
−150
pull
Entries 50
Mean −153.3
Std Dev 175.5
2
1
0
−1
−2
−3

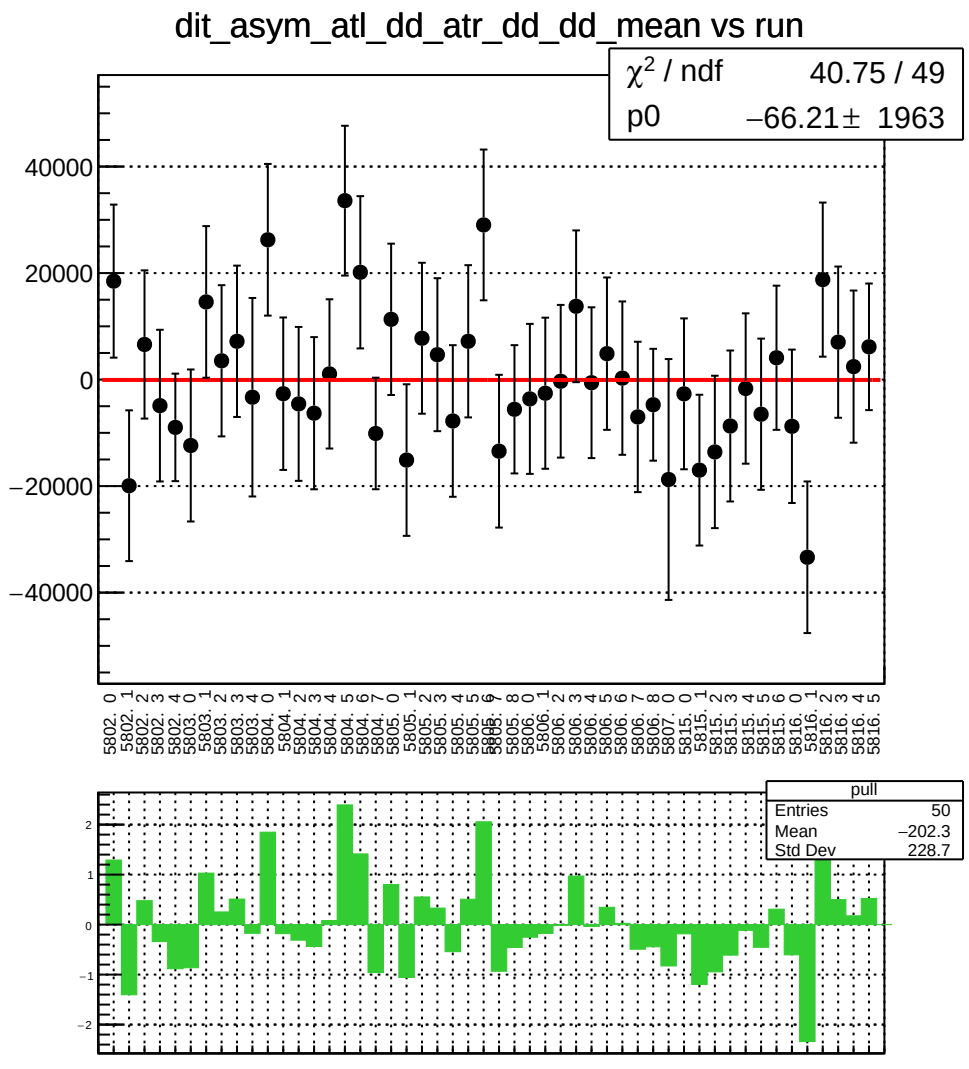

pull1D
Entries 50
Mean −0.01328
Std Dev 1.176
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

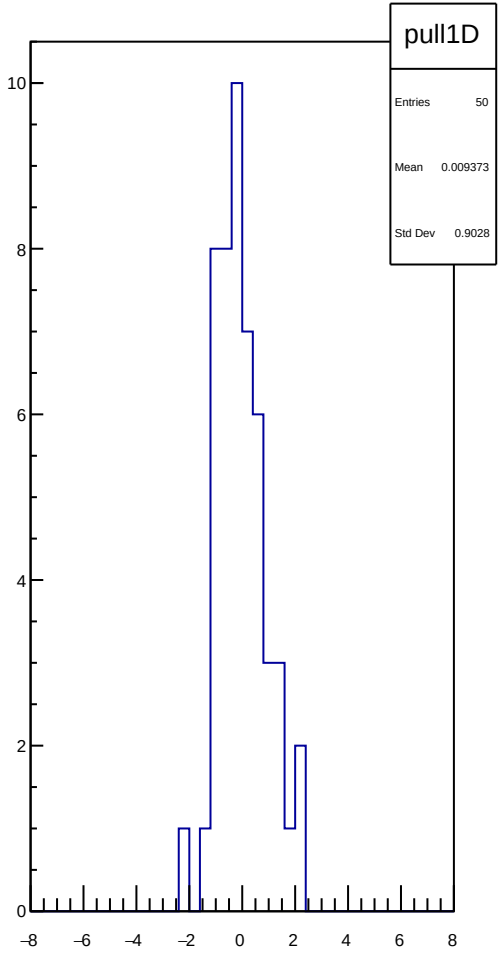

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3834 / 49
p0 3157 ± 3.215
3800
3600
3400
3200
3000
2800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
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

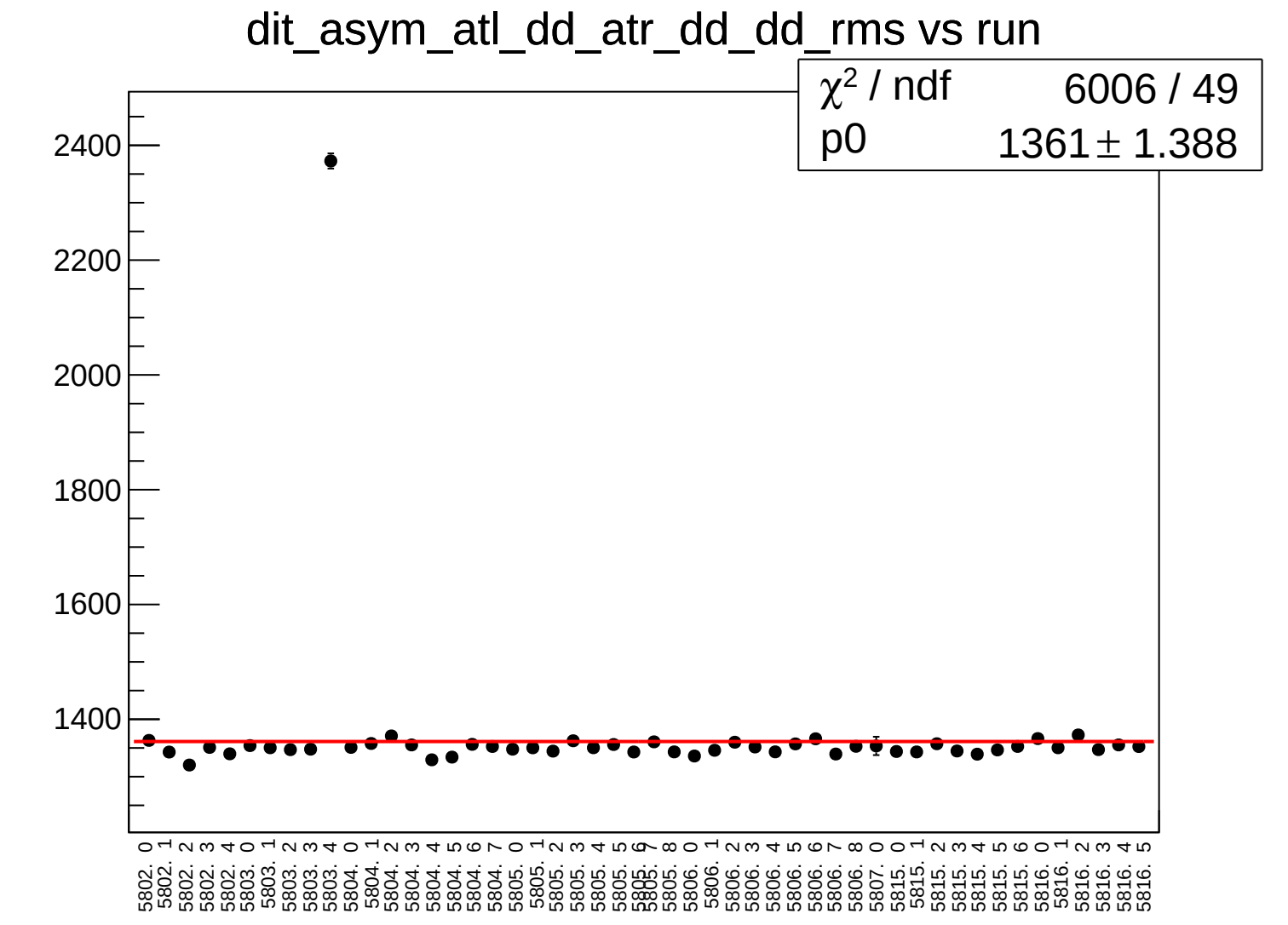

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 61.85 / 49
p0 −4409 ± 4963
150
100
50
0
−50
−100
pull
Entries 50
Mean −408
Std Dev 429.7
3
2
1
0
−1
−2

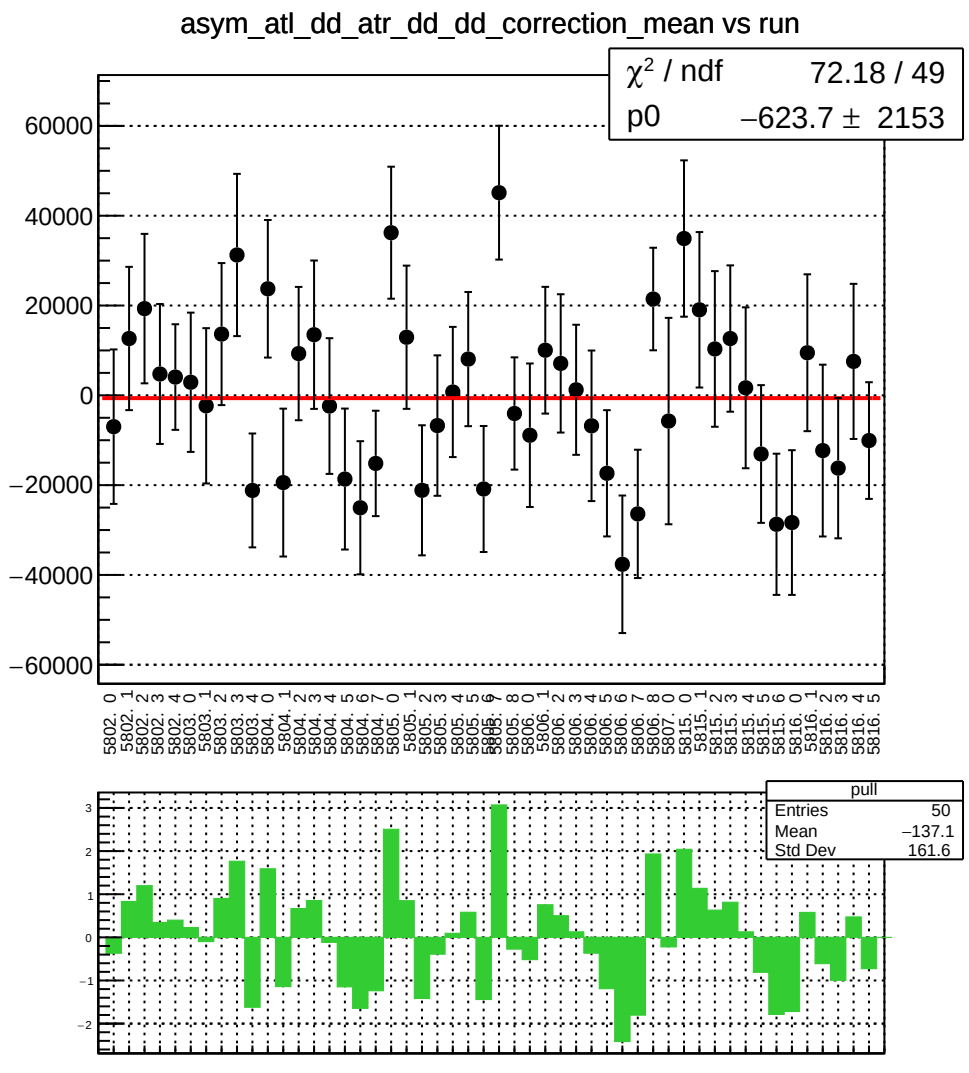

pull1D
Entries 50
Mean 0.004328
Std Dev 1.112
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

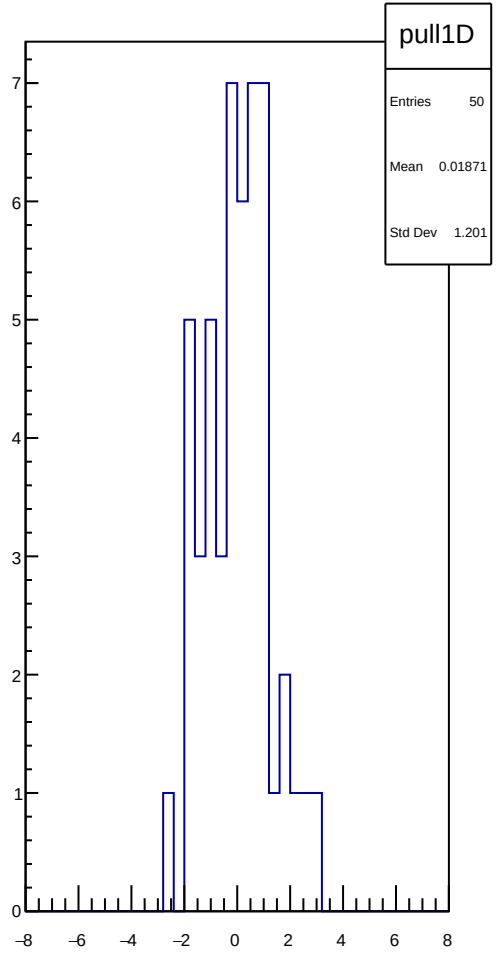

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3196 / 49
p0 3447 ± 3.509
4200
4000
3800
3600
3400
3200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805.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

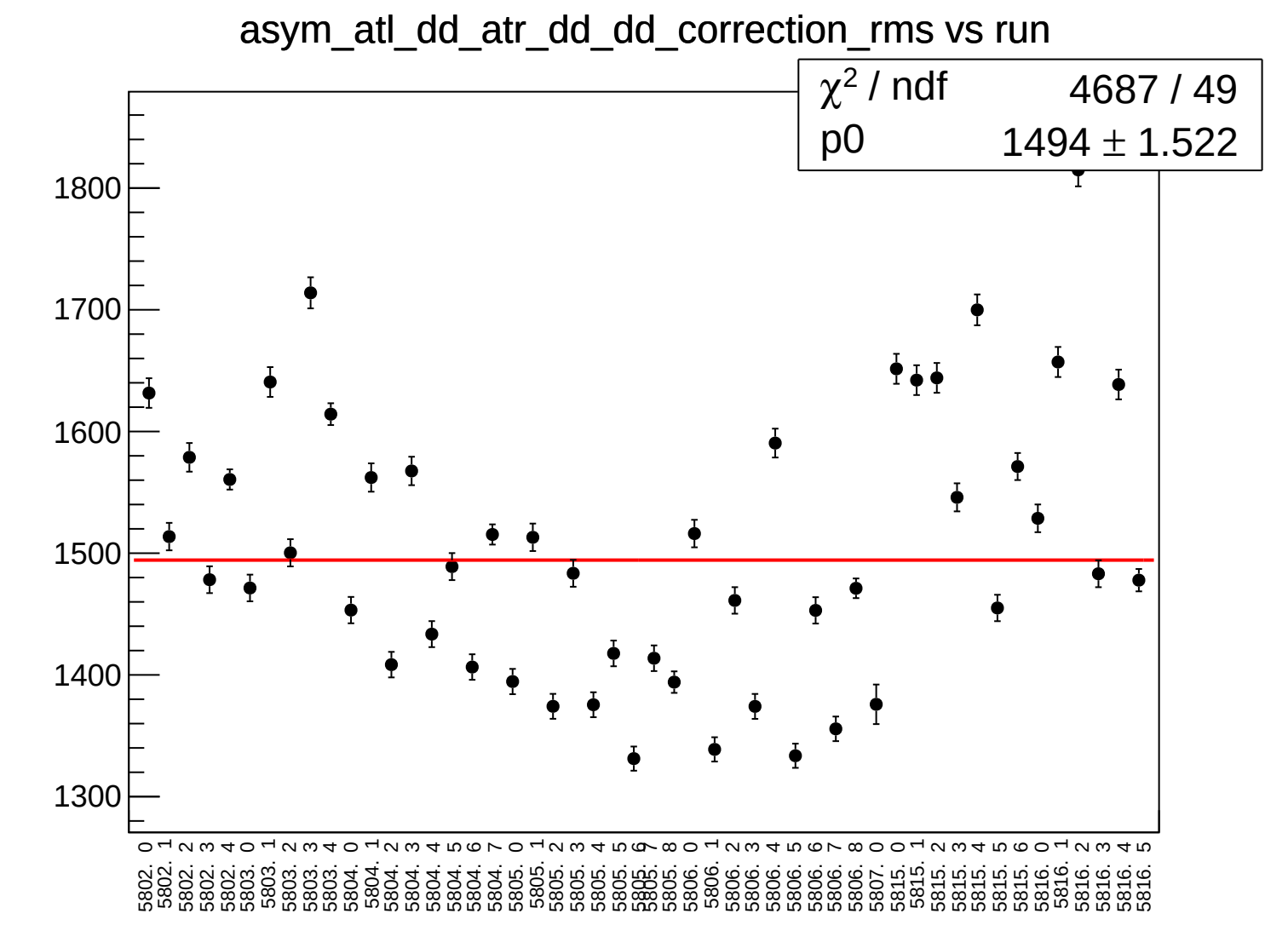

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 40.75 / 49
p0 −66.21± 1963
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −202.3
Std Dev 228.7
2
1
0
−1
−2

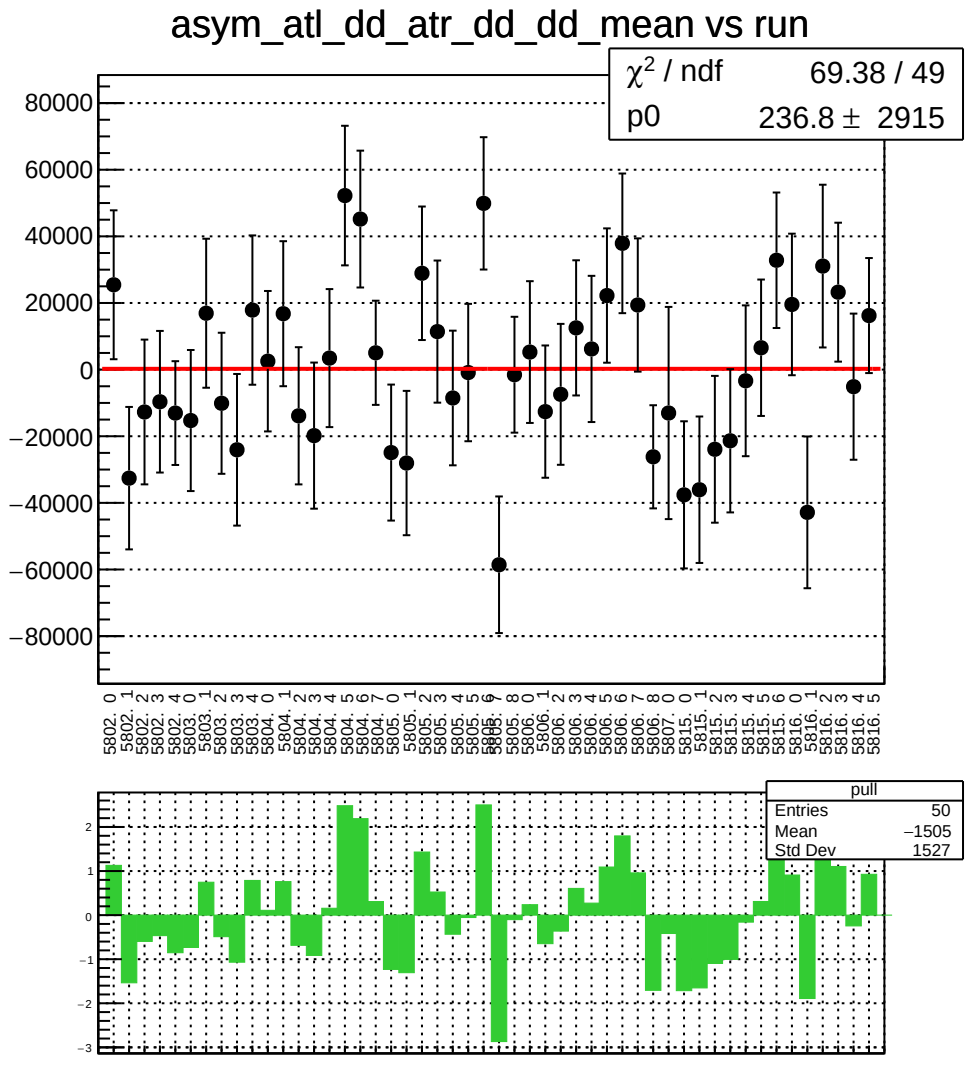

pull1D
Entries 50
Mean 0.009373
Std Dev 0.9028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

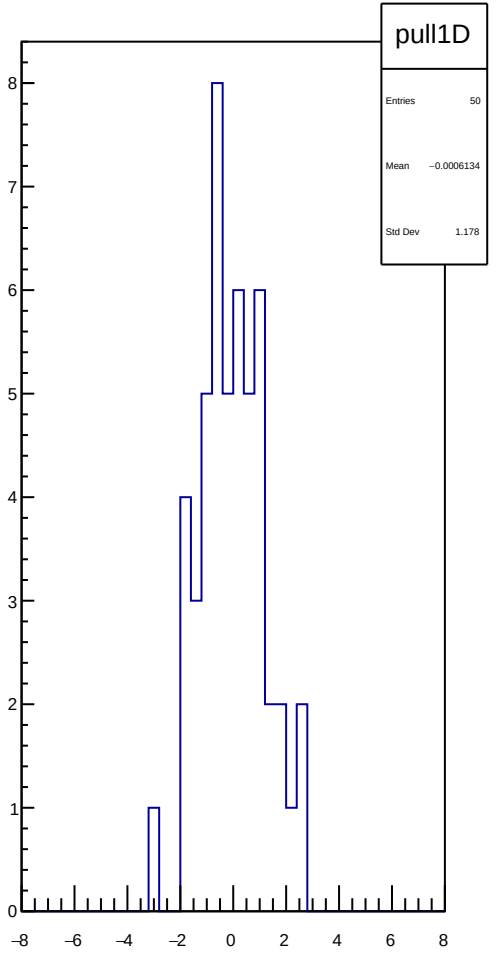

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6006 / 49
p0 1361 ± 1.388
2400
2200
2000
1800
1600
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
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
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

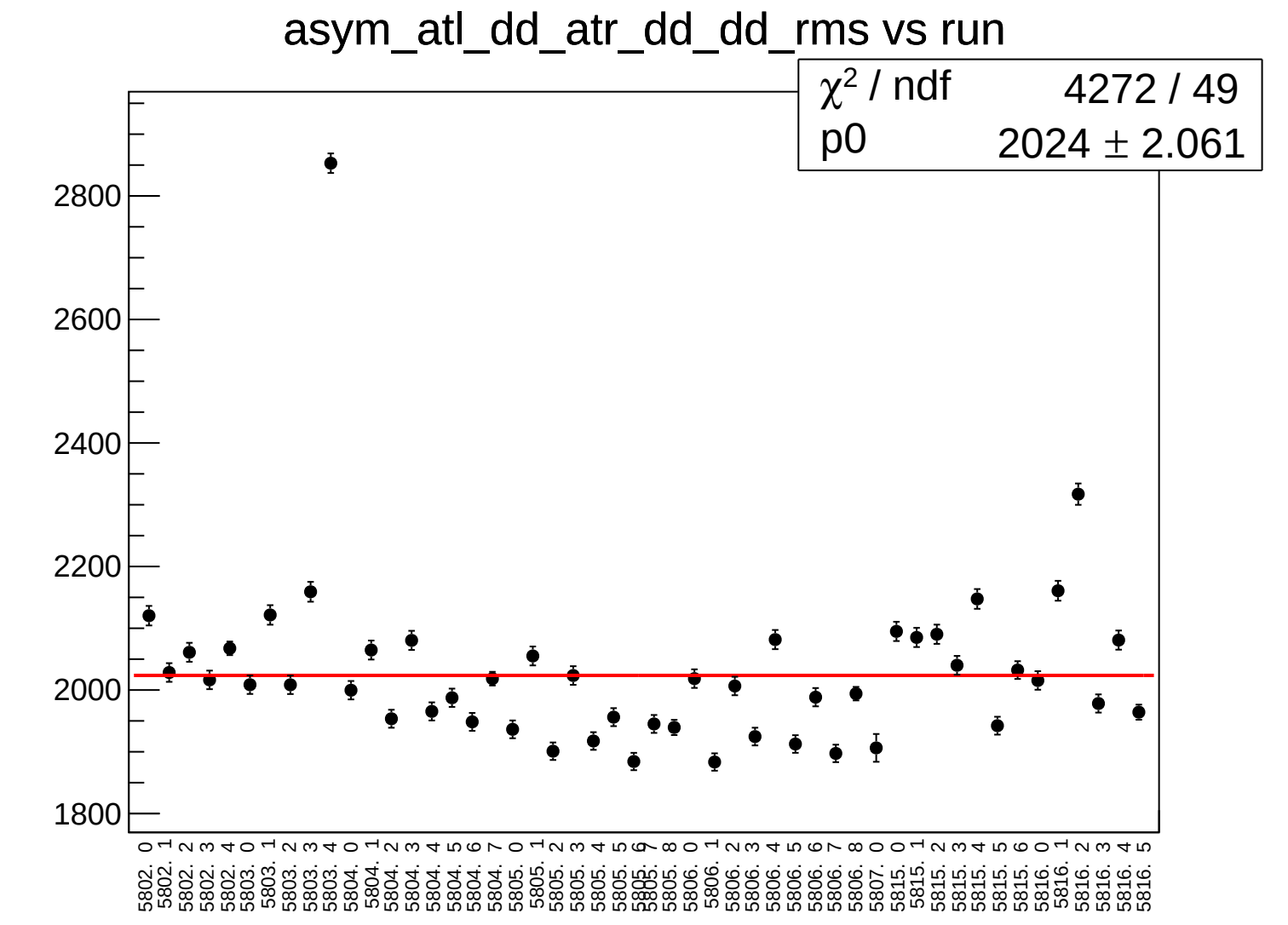

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 72.18 / 49
p0 −623.7 ± 2153
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −137.1
Std Dev 161.6

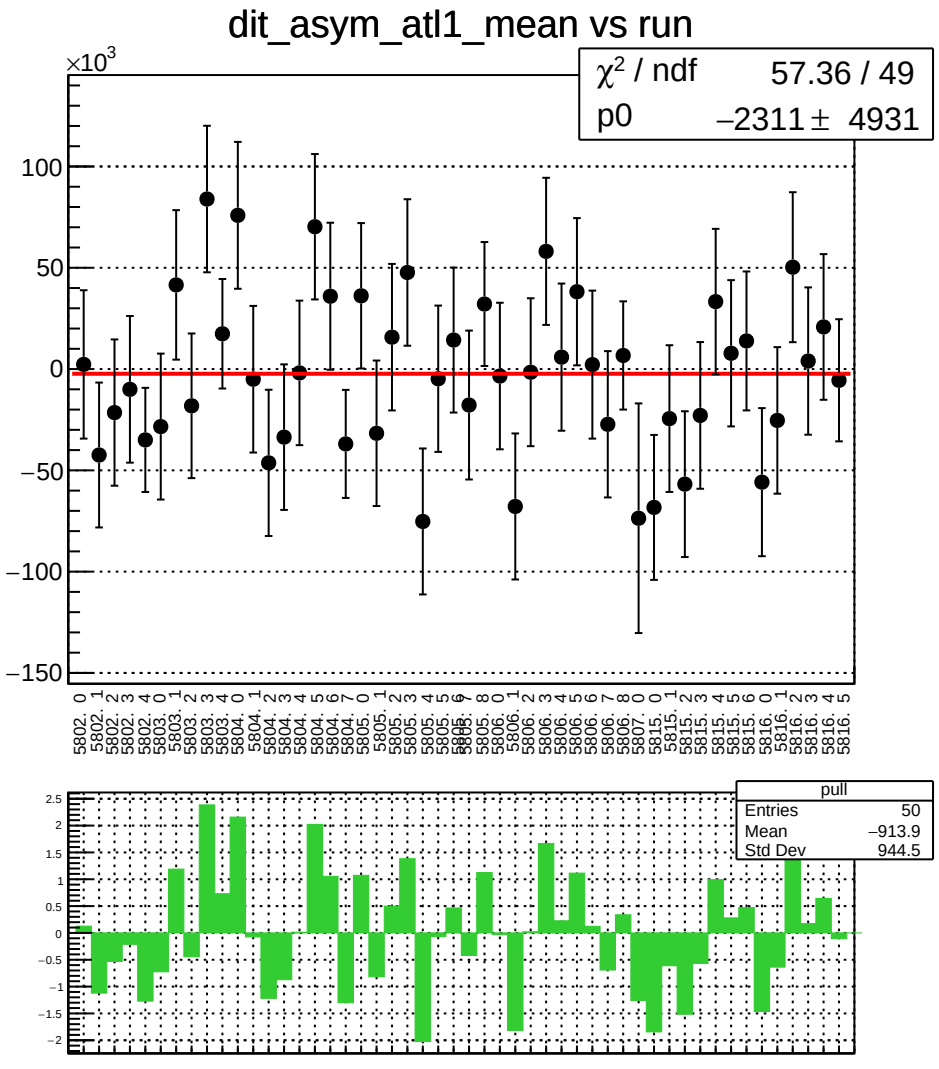

pull1D
Entries 50
Mean 0.01871
Std Dev 1.201

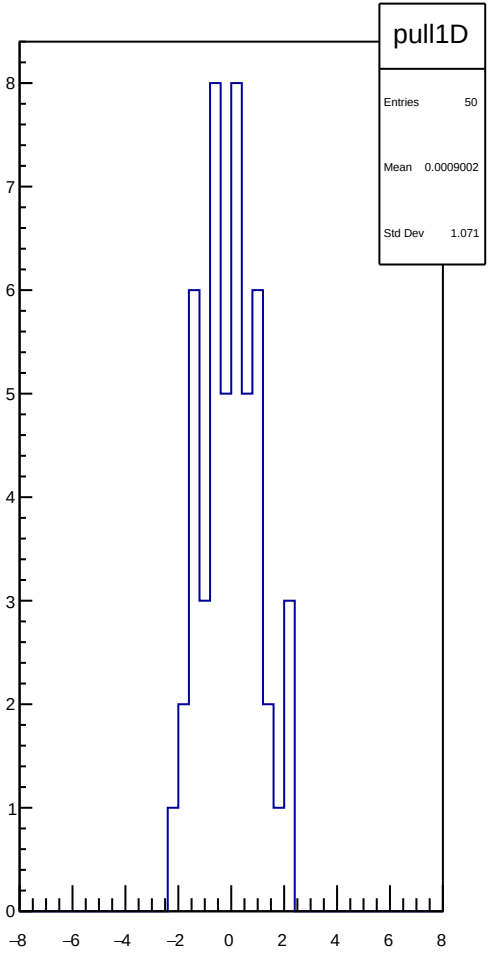

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4687 / 49
p0 1494 ± 1.522
1800
1700
1600
1500
1400
1300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
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

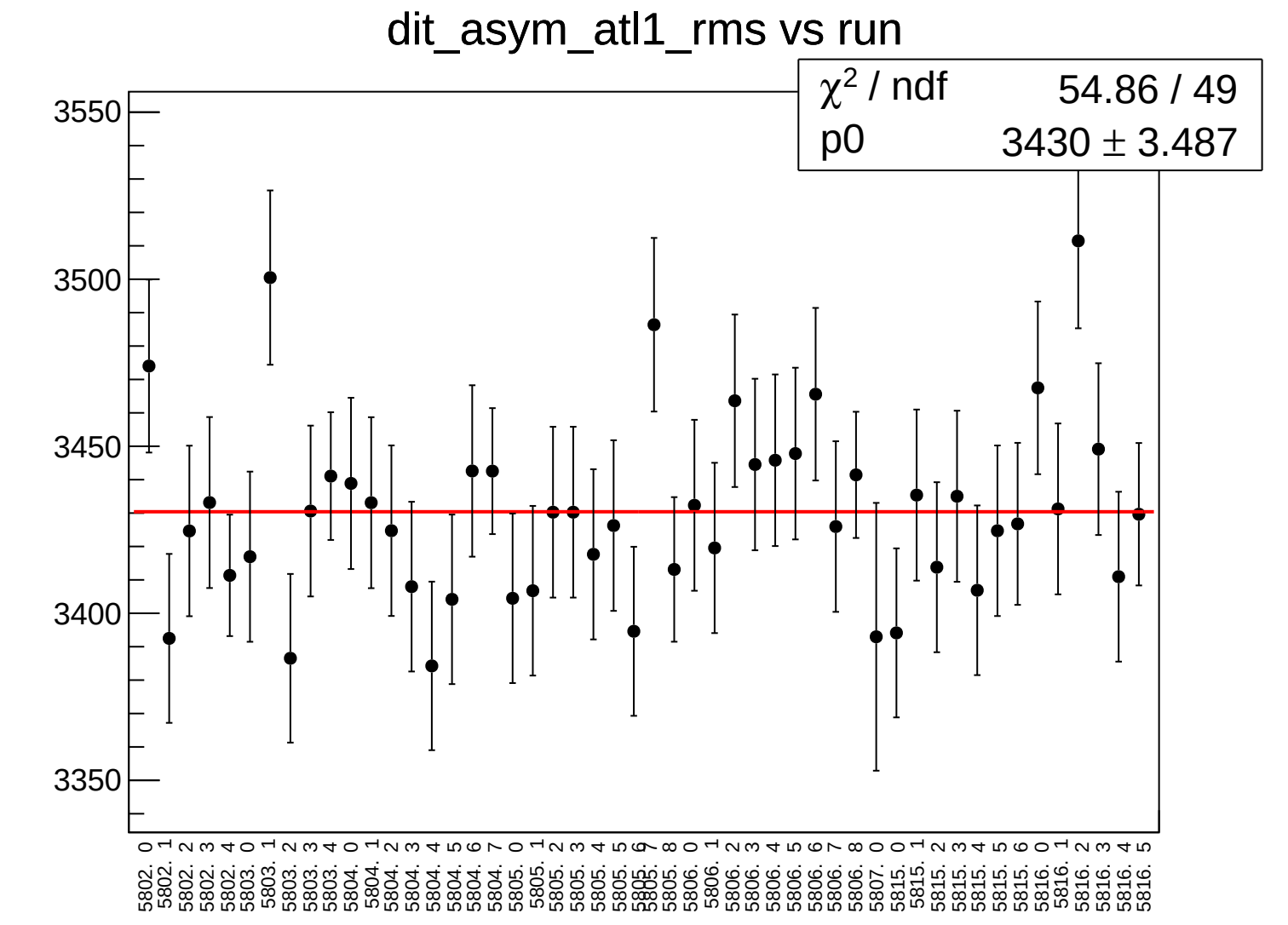

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 69.38 / 49
p0 236.8 ± 2915
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −1505
Std Dev 1527
2
1
0
−1
−2
−3

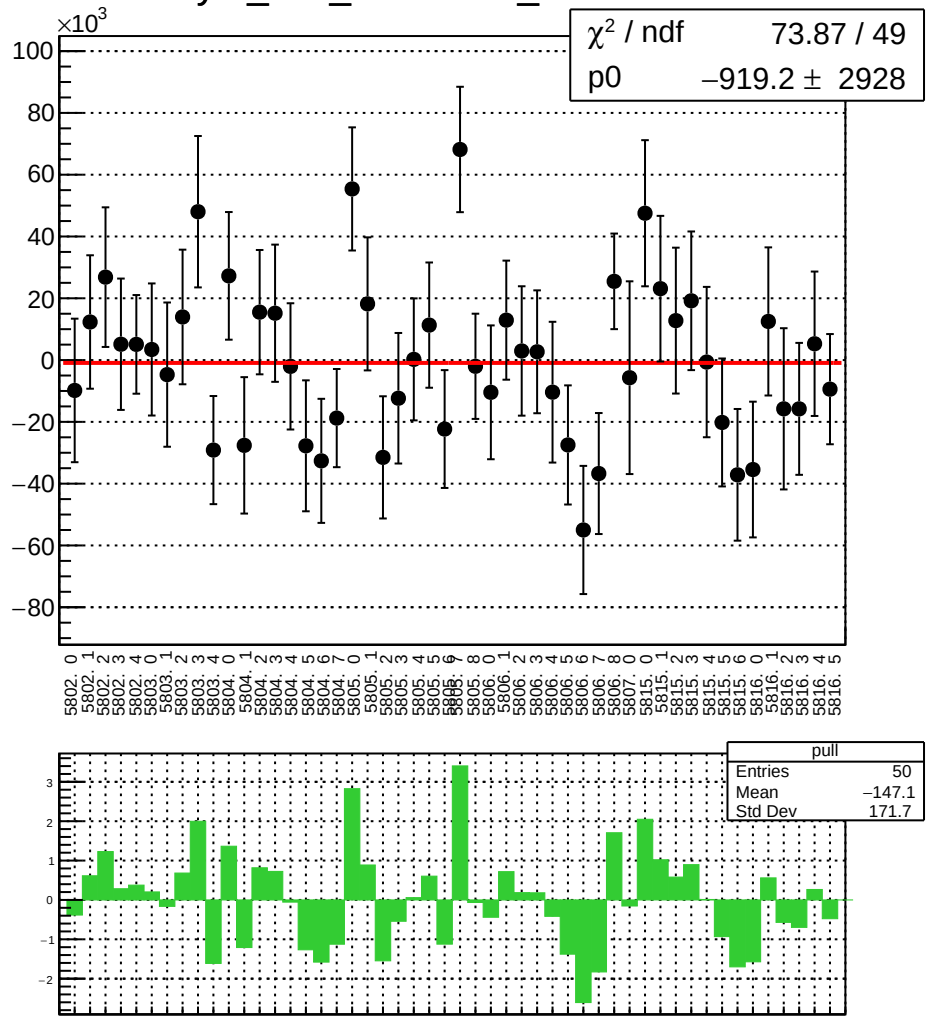

pull1D
Entries 50
Mean −0.0006134
Std Dev 1.178
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

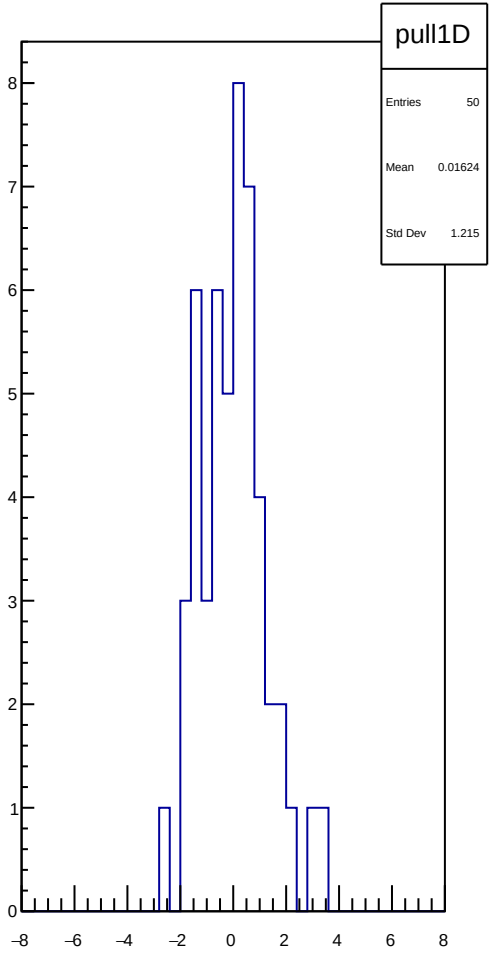

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4272 / 49
p0 2024 ± 2.061
2800
2600
2400
2200
2000
1800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805.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

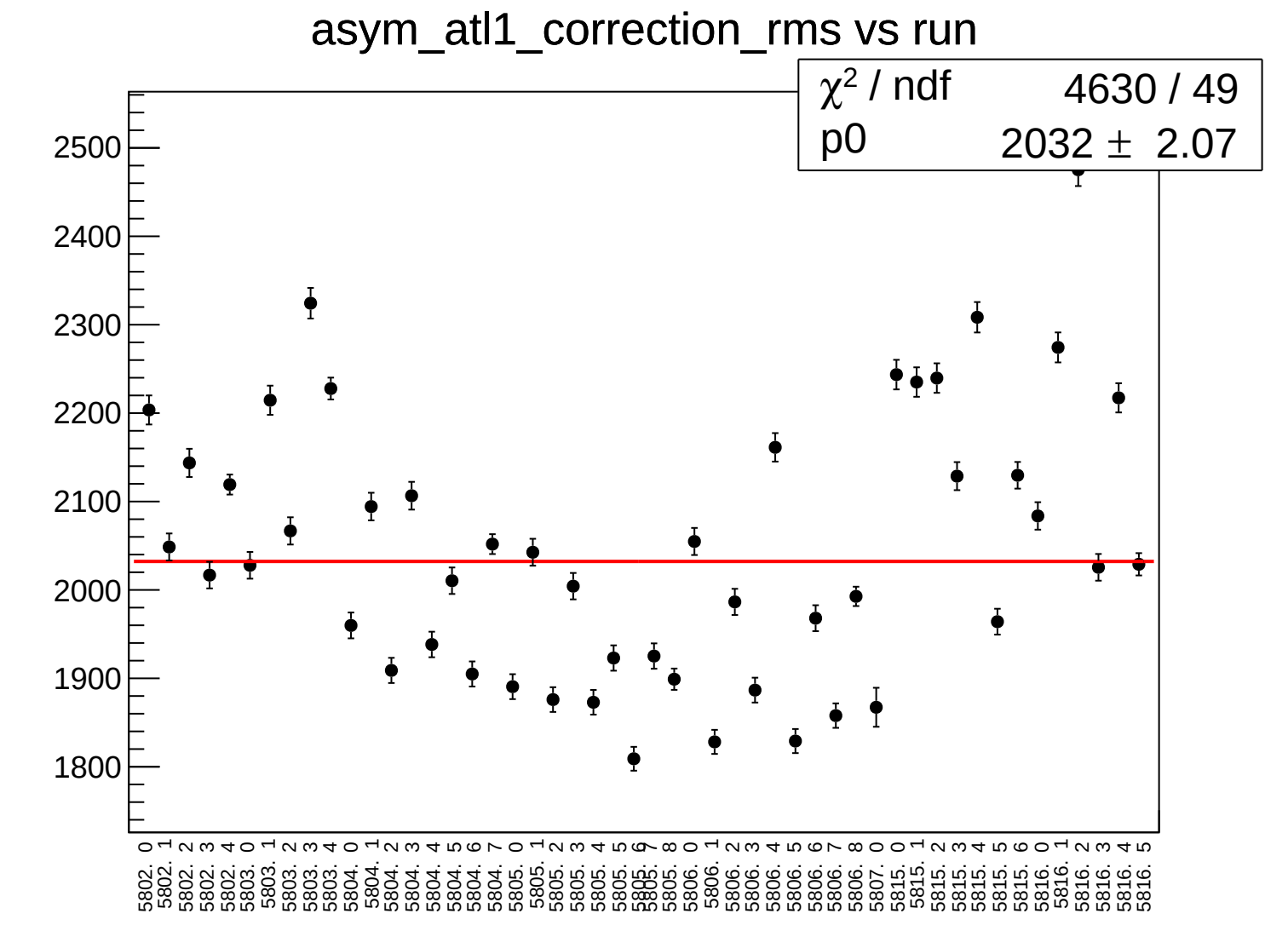

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 57.36 / 49
p0 −2311 ± 4931
100
50
0
−50
−100
−150
pull
Entries 50
Mean −913.9
Std Dev 944.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

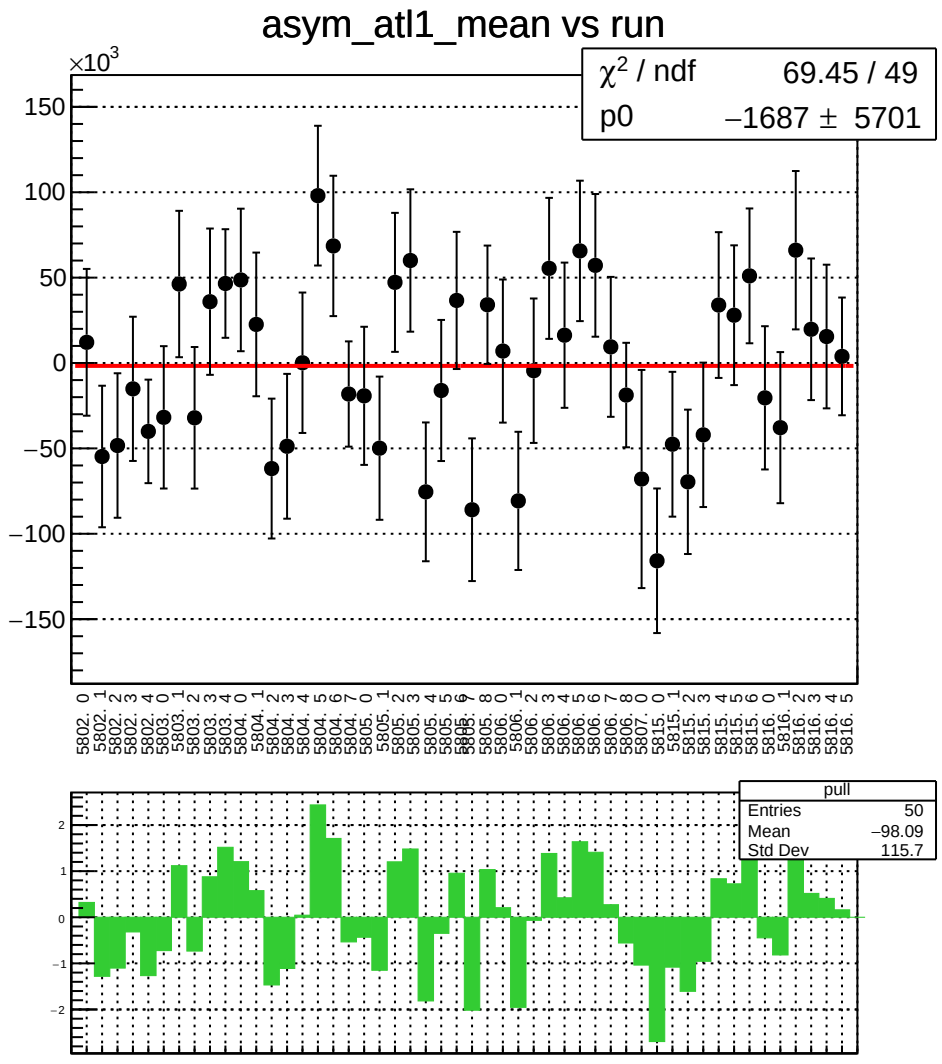

pull1D
Entries 50
Mean 0.0009002
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

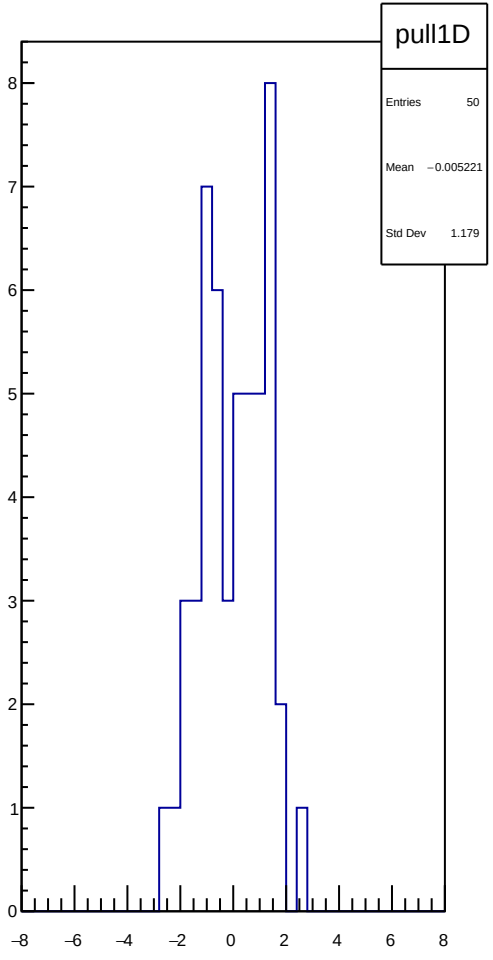

dit_asym_atl1_rms vs run
χ² / ndf 54.86 / 49
p0 3430 ± 3.487
3550
3500
3450
3400
3350
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
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

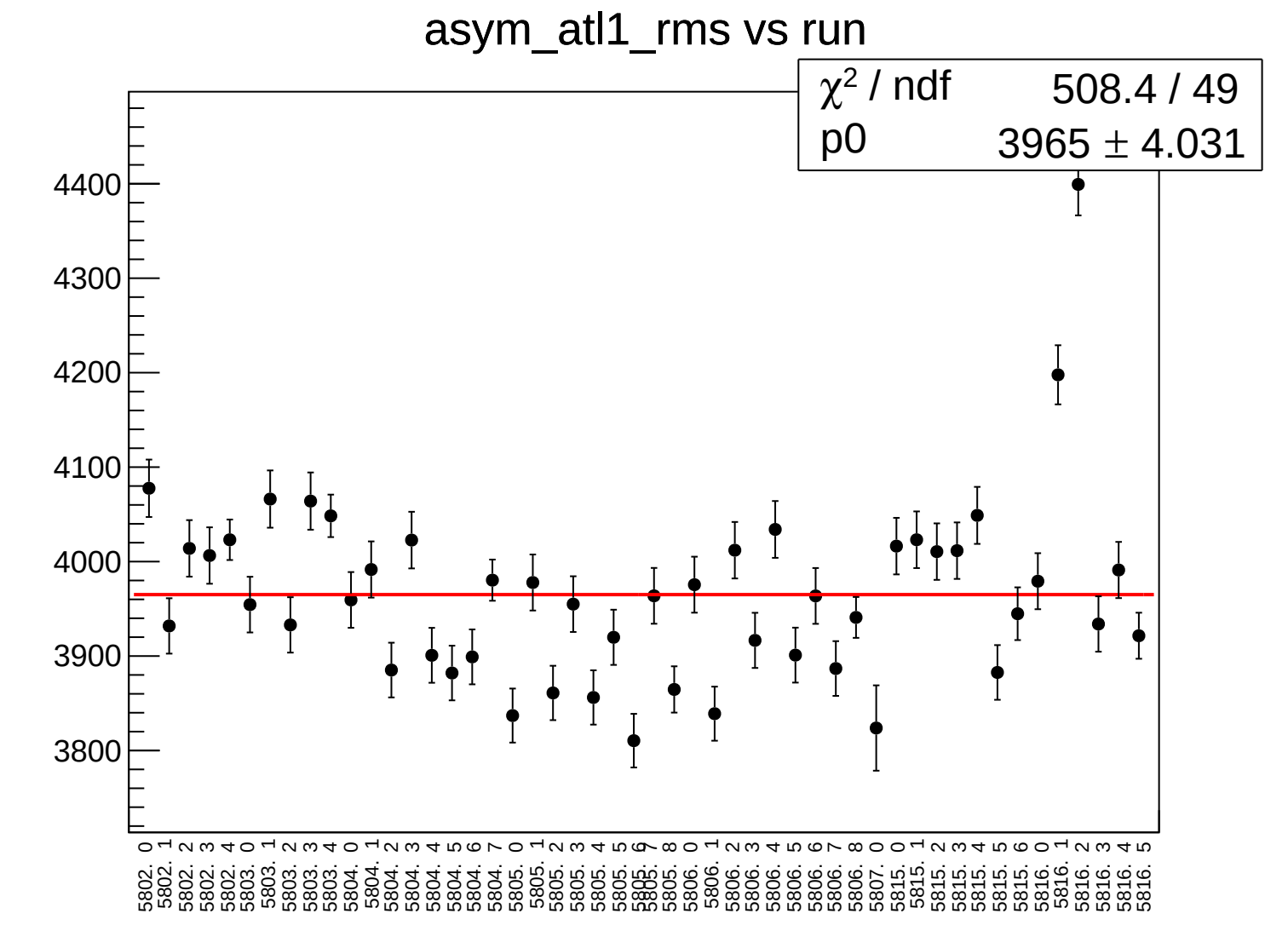

asym_atl1_correction_mean vs run
×10^3
χ² / ndf 73.87 / 49
p0 −919.2 ± 2928
pull
Entries 50
Mean −147.1
Std Dev 171.7

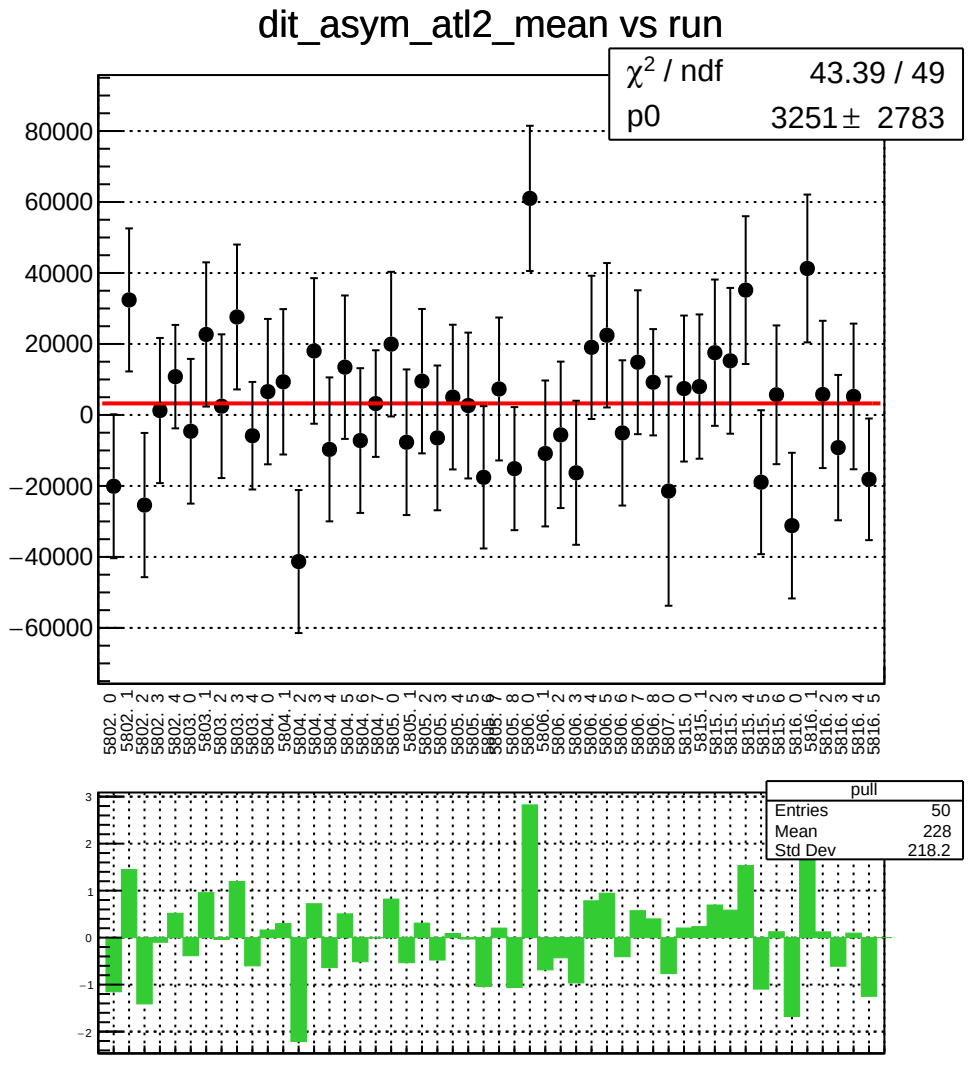

pull1D
Entries 50
Mean 0.01624
Std Dev 1.215

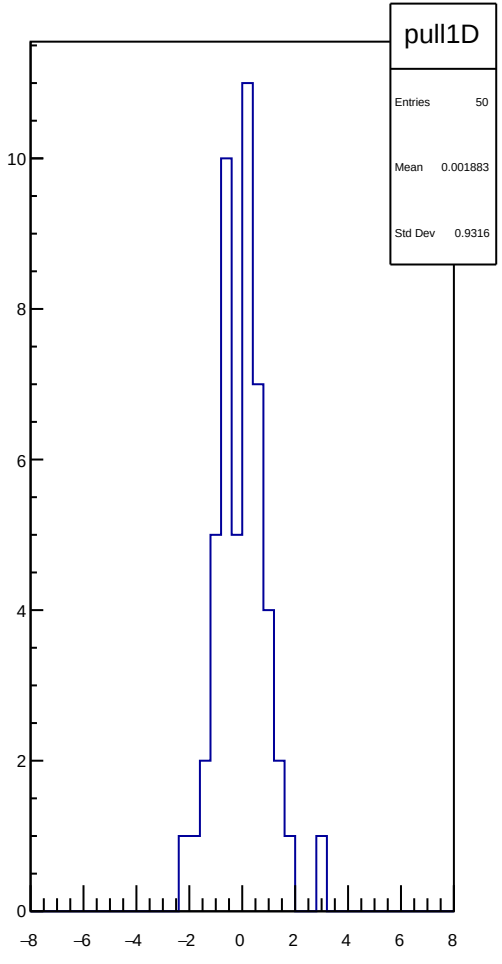

asym_atl1_correction_rms vs run
χ² / ndf 4630 / 49
p0 2032 ± 2.07
2500
2400
2300
2200
2100
2000
1900
1800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

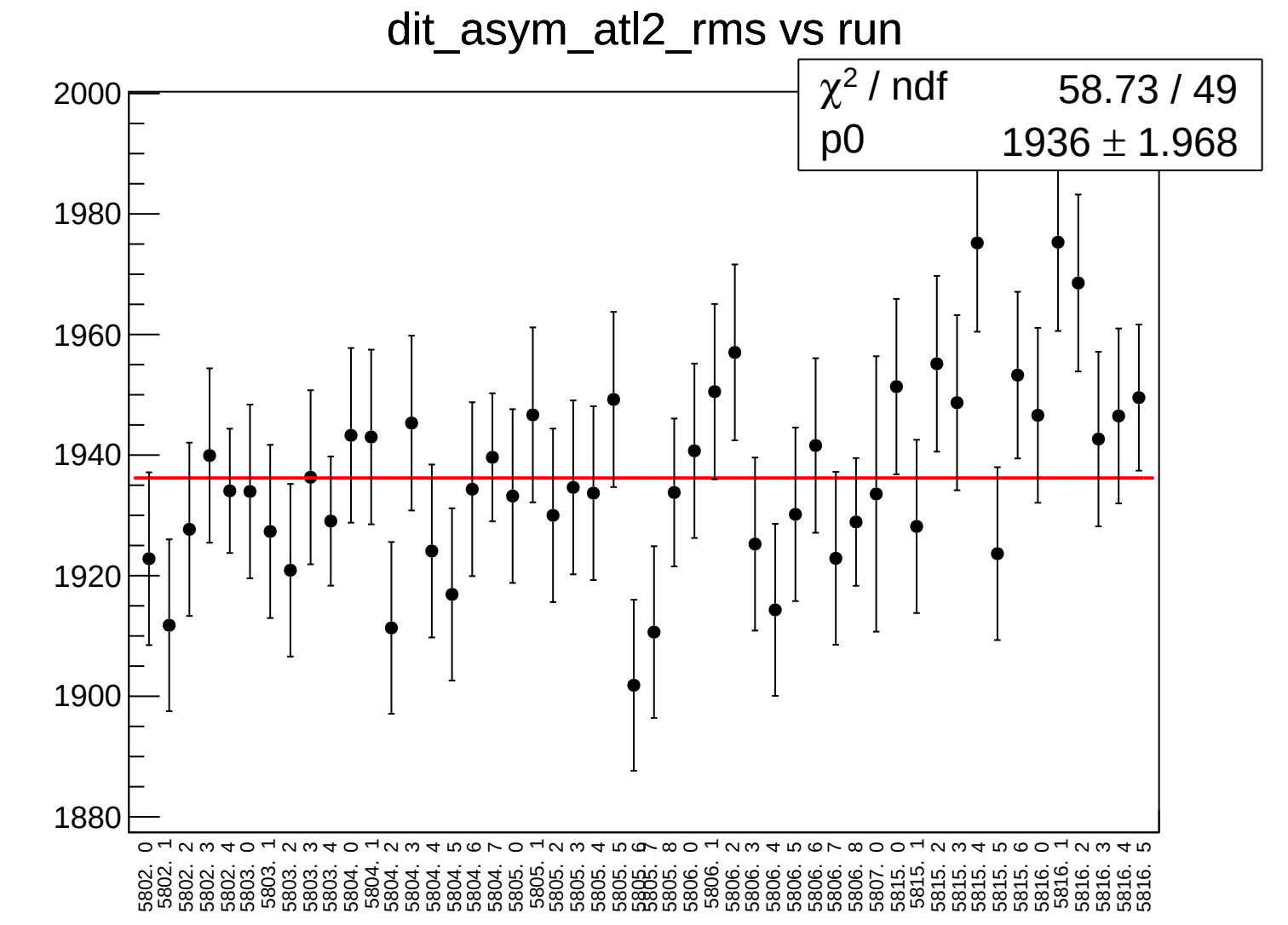

asym_atl1_mean vs run
×10^3
χ² / ndf 69.45 / 49
p0 −1687 ± 5701
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −98.09
Std Dev 115.7
2
1
0
−1
−2

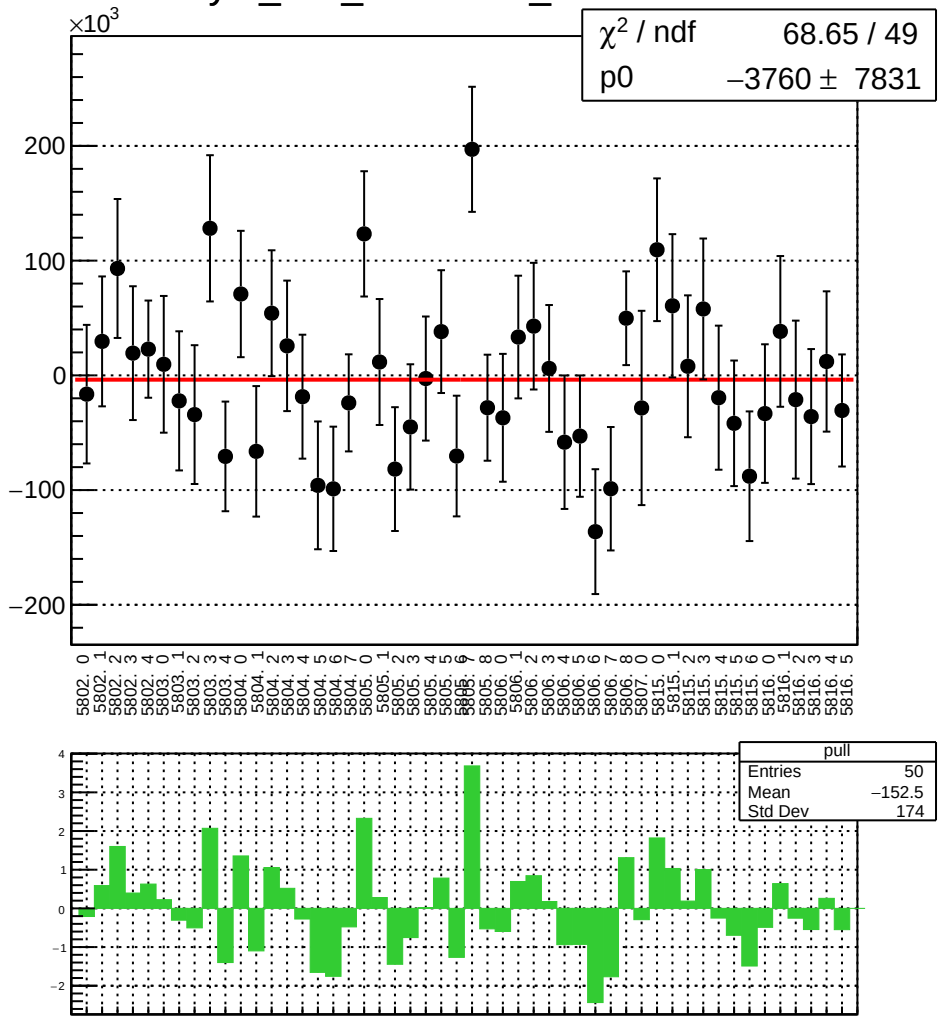

pull1D
Entries 50
Mean −0.005221
Std Dev 1.179
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

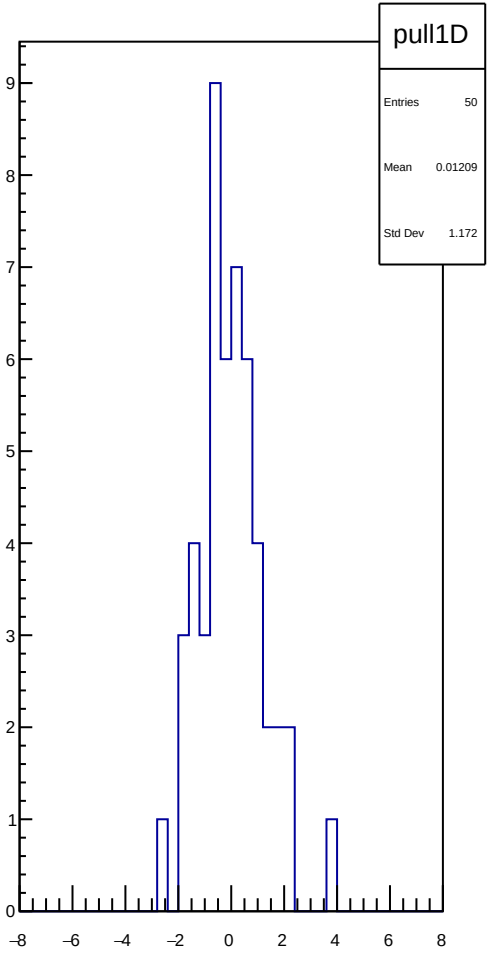

asym_atl1_rms vs run
χ² / ndf 508.4 / 49
p0 3965 ± 4.031
4400
4300
4200
4100
4000
3900
3800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805.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

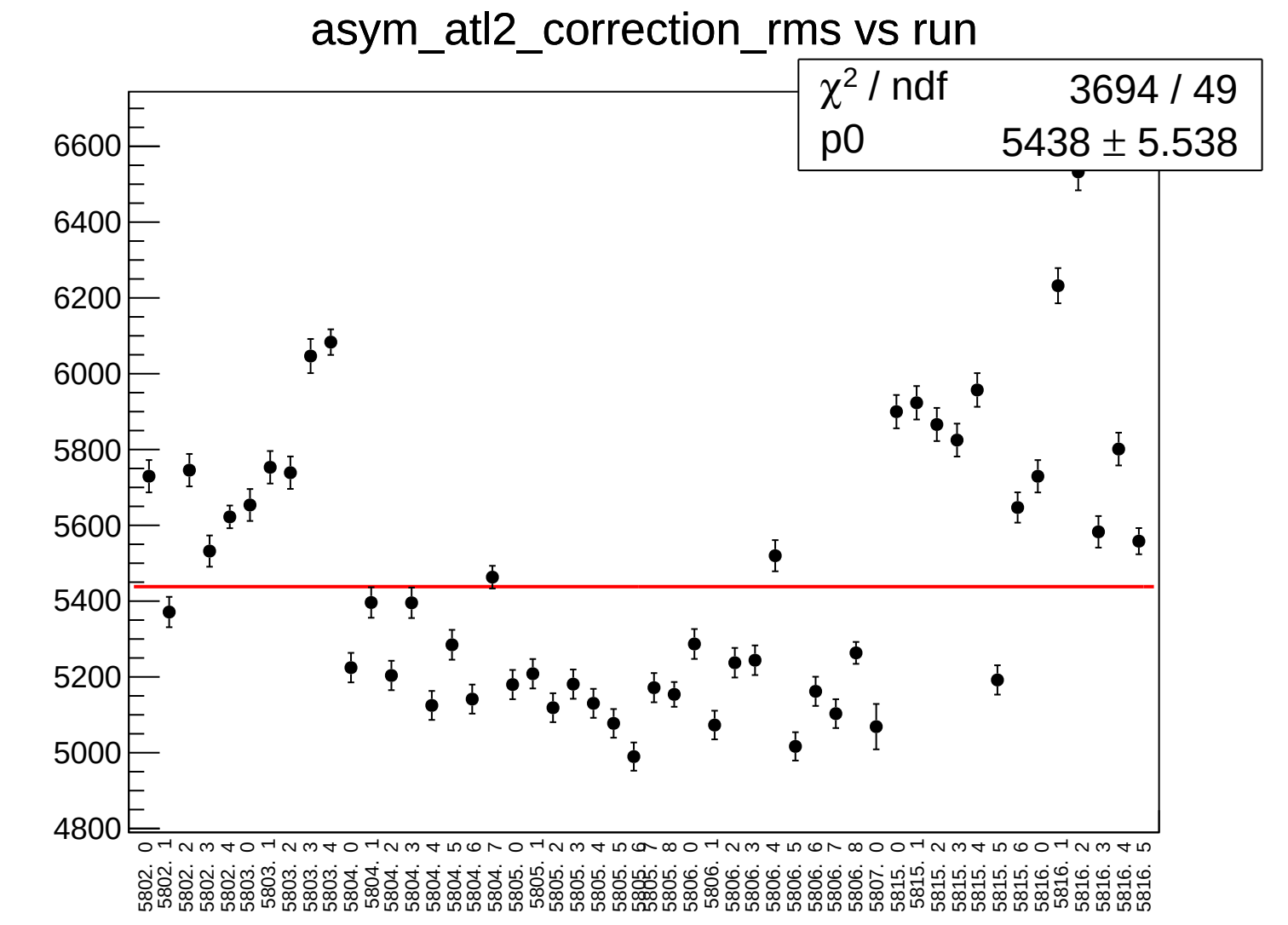

dit_asym_atl2_mean vs run
χ^2 / ndf 43.39 / 49
p0 3251 ± 2783
pull
Entries 50
Mean 228
Std Dev 218.2

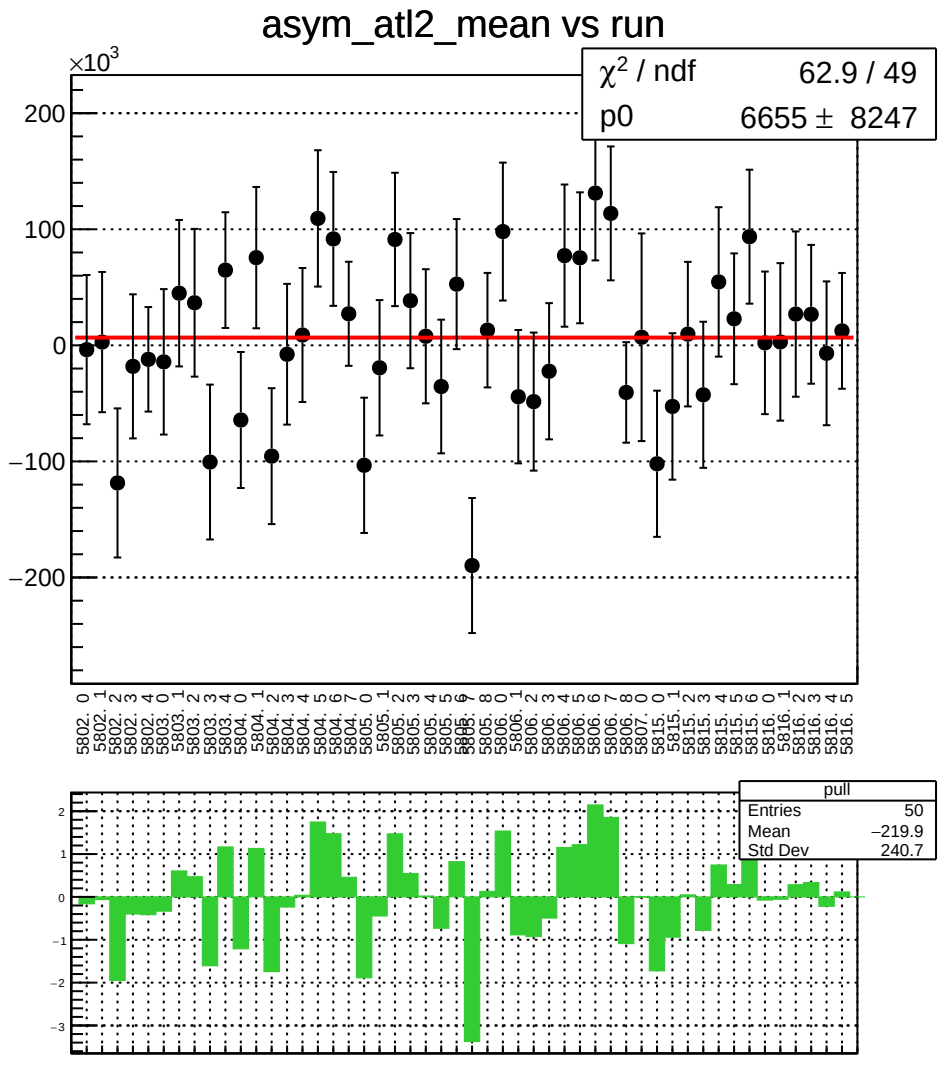

pull1D
Entries 50
Mean 0.001883
Std Dev 0.9316

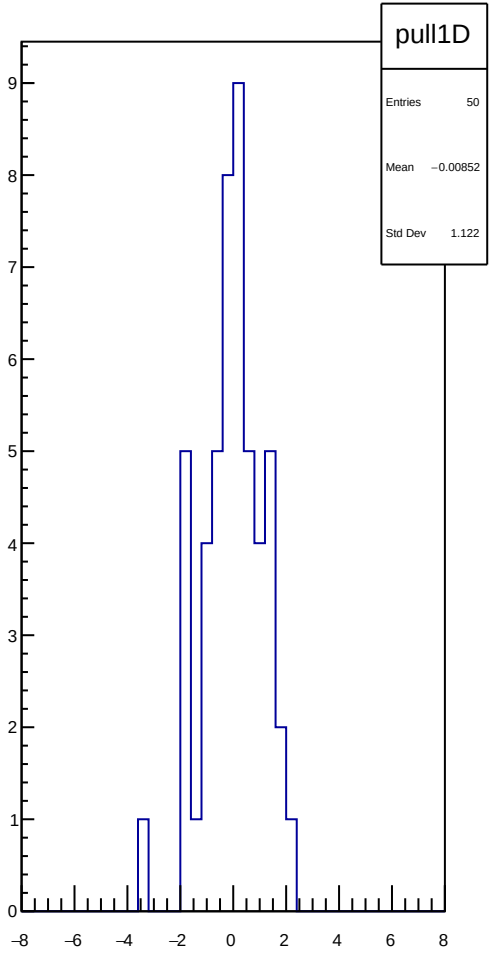

dit_asym_atl2_rms vs run
χ² / ndf 58.73 / 49
p0 1936 ± 1.968
2000
1980
1960
1940
1920
1900
1880
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

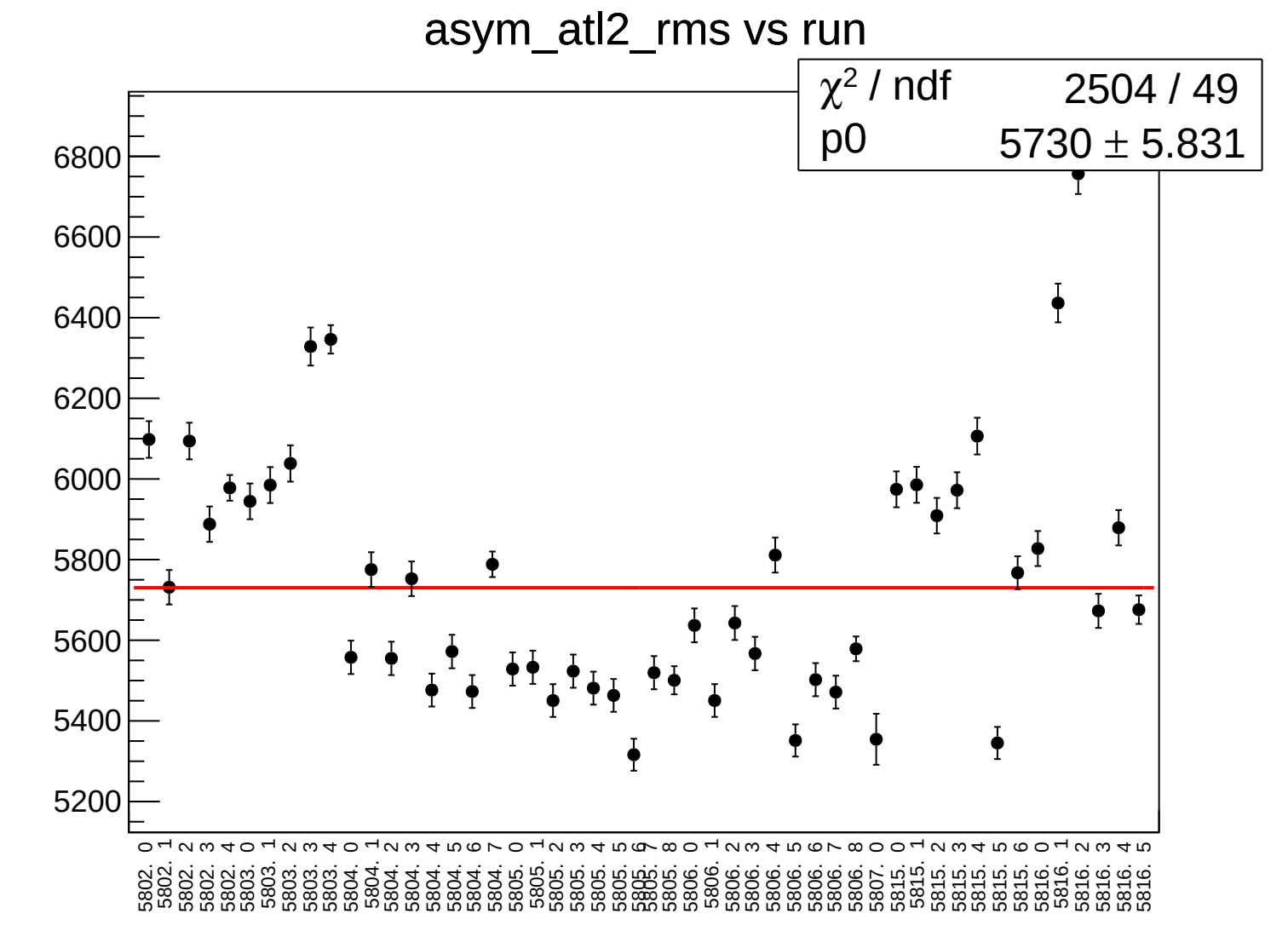

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 68.65 / 49
p0 −3760 ± 7831
200
100
0
−100
−200
pull
Entries 50
Mean −152.5
Std Dev 174
4
3
2
1
0
−1
−2

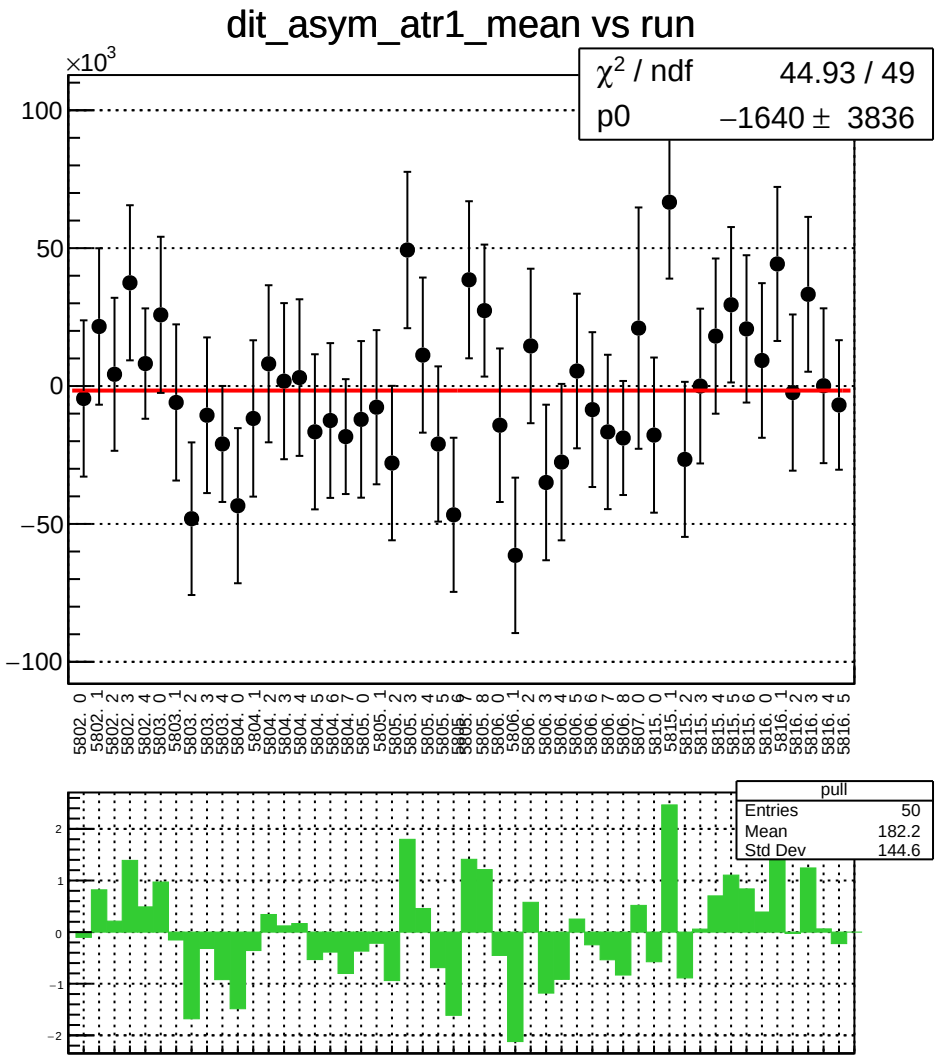

pull1D
Entries 50
Mean 0.01209
Std Dev 1.172
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

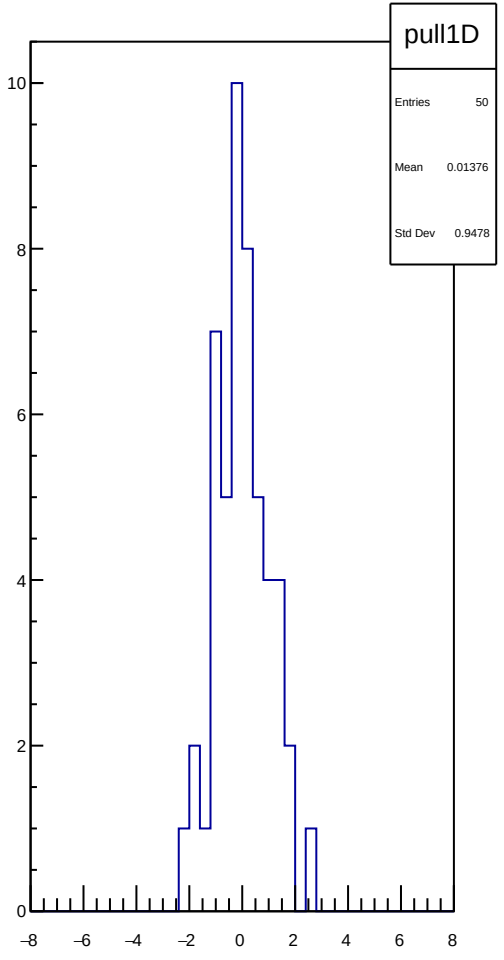

asym_atl2_correction_rms vs run
χ² / ndf 3694 / 49
p0 5438 ± 5.538
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
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

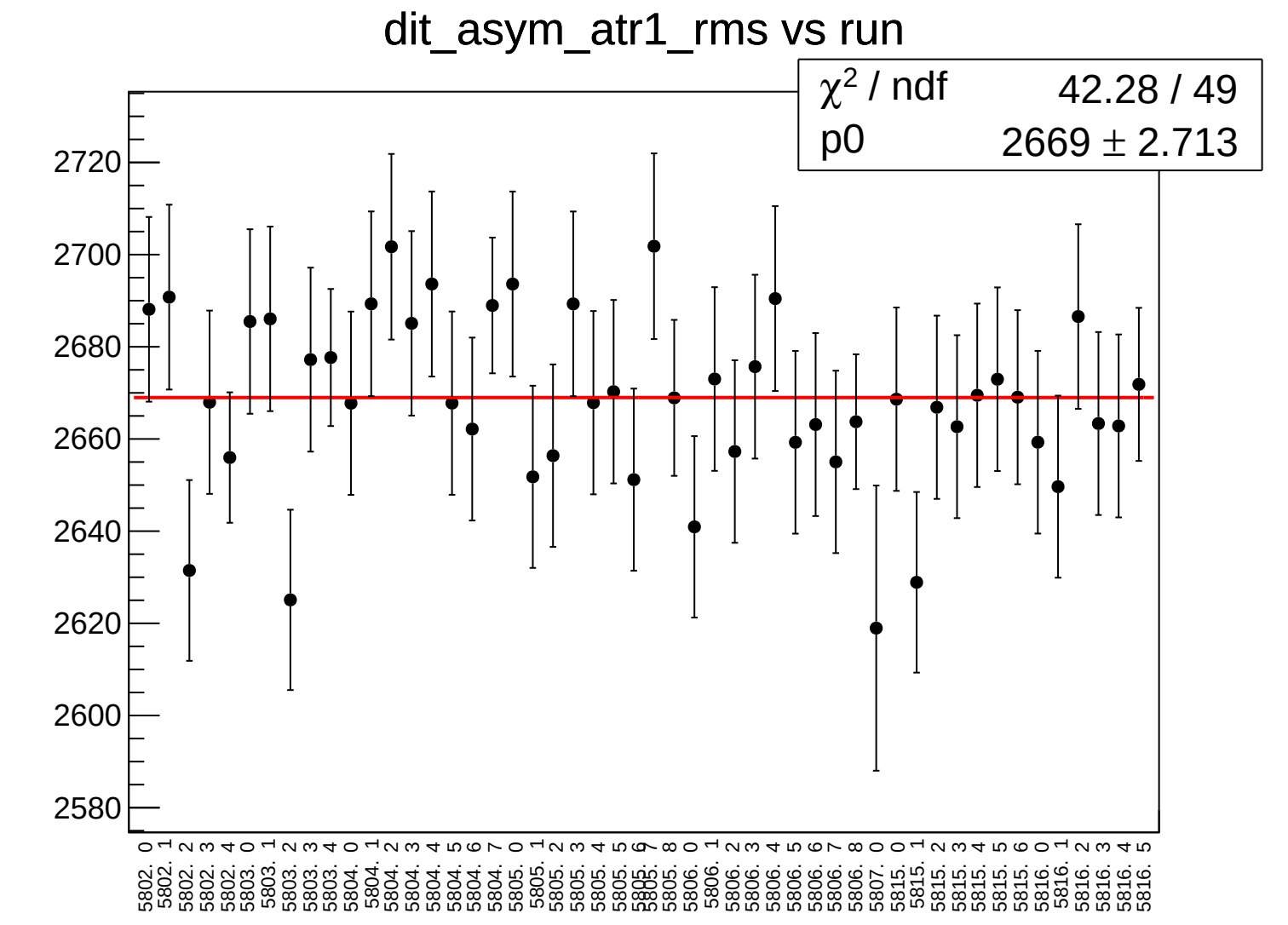

asym_atl2_mean vs run
×10^3
χ² / ndf 62.9 / 49
p0 6655 ± 8247
200
100
0
−100
−200
pull
Entries 50
Mean −219.9
Std Dev 240.7

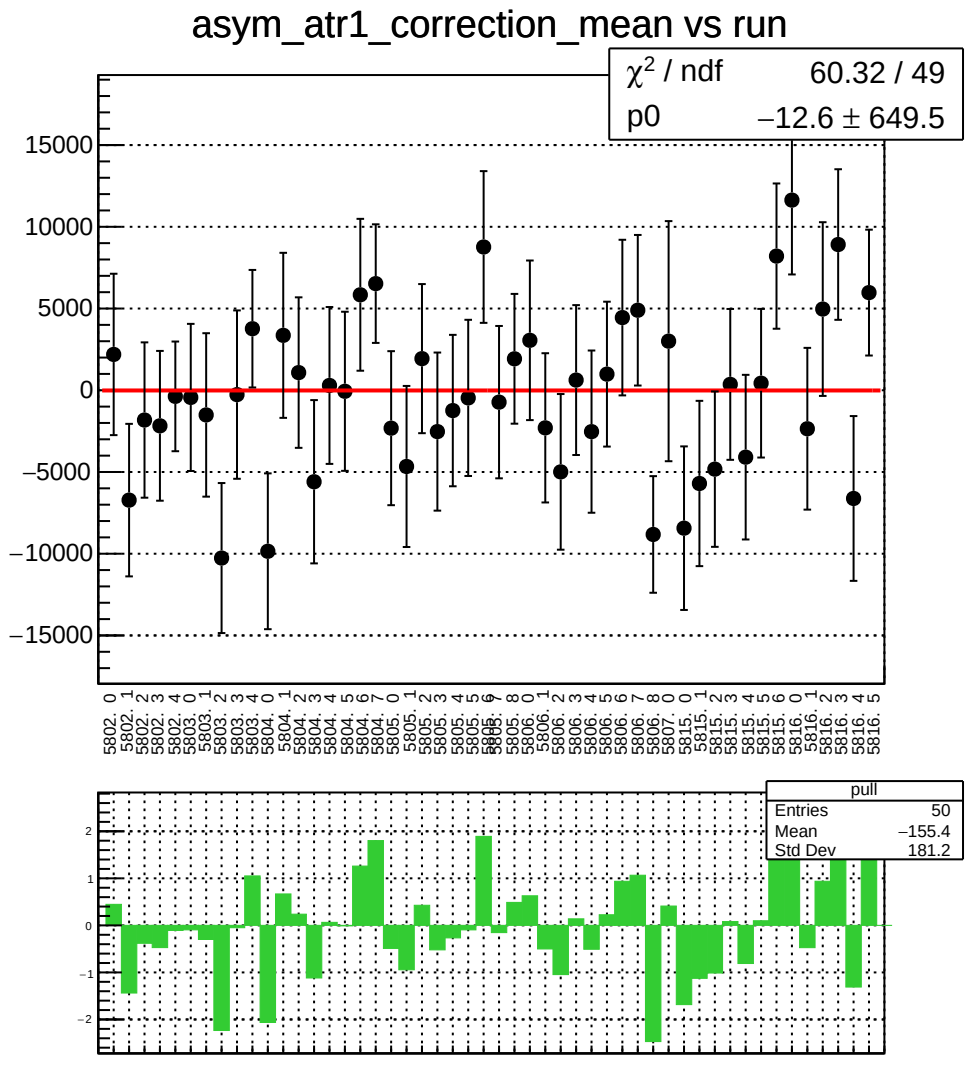

pull1D
Entries 50
Mean −0.00852
Std Dev 1.122

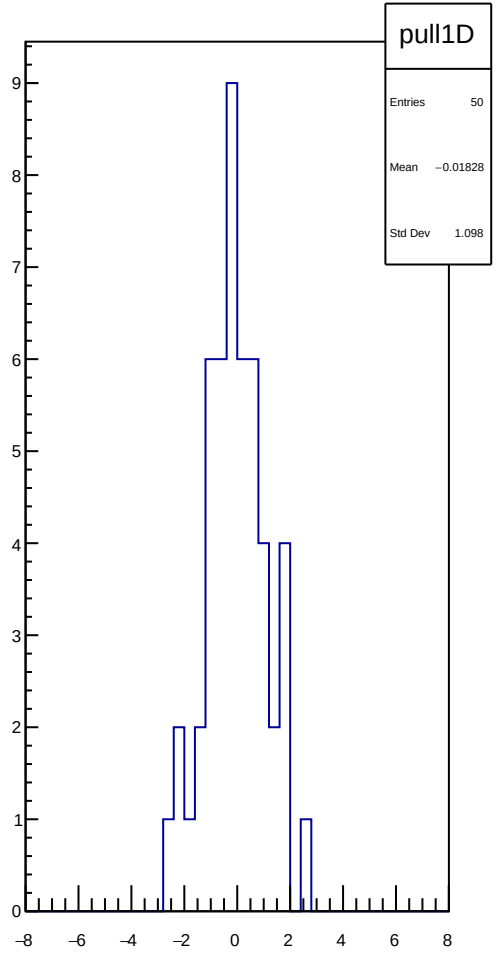

asym_atl2_rms vs run
χ² / ndf 2504 / 49
p0 5730 ± 5.831
6800
6600
6400
6200
6000
5800
5600
5400
5200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6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

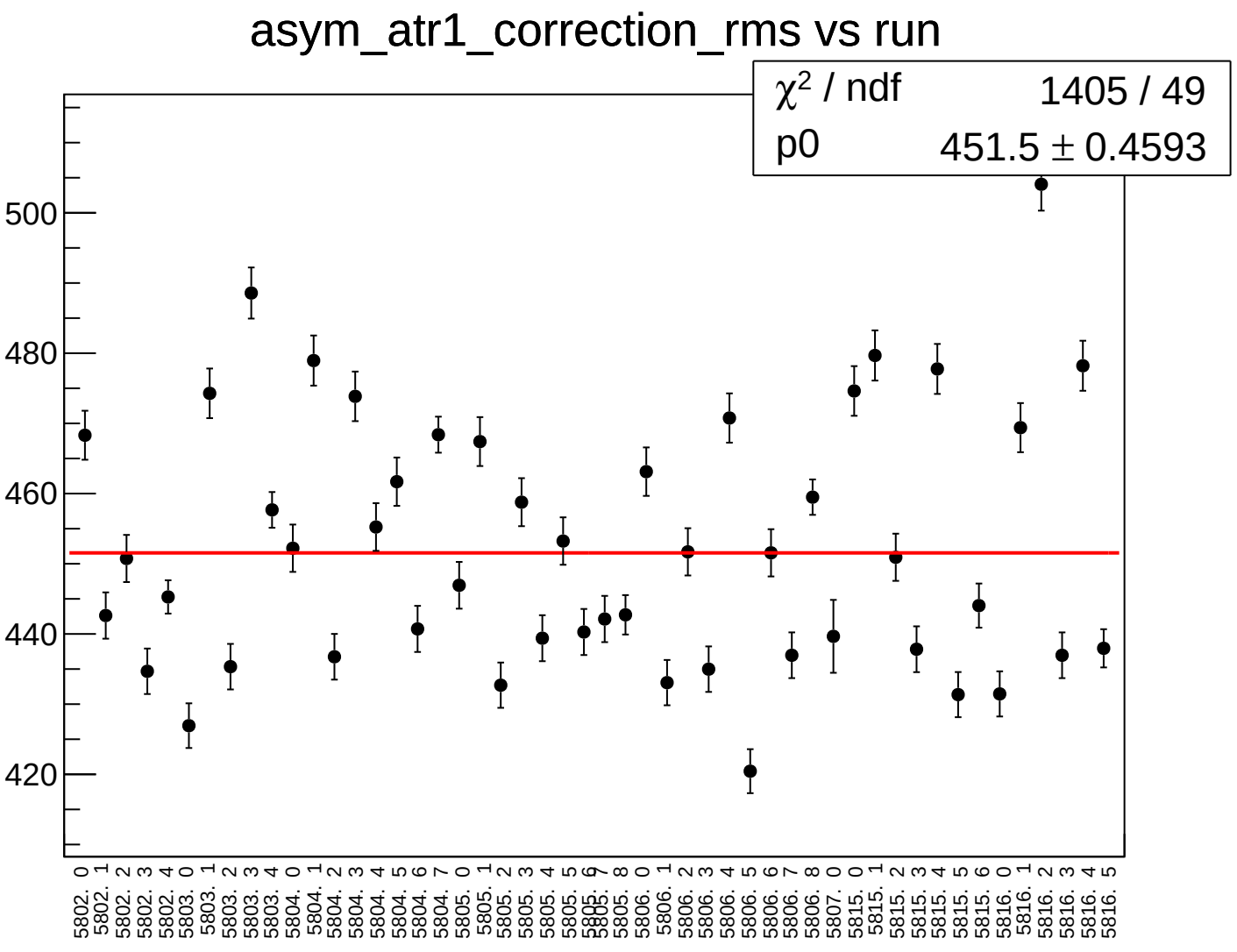

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 44.93 / 49
p0 −1640 ± 3836
100
50
0
−50
−100
pull
Entries 50
Mean 182.2
Std Dev 144.6
2
1
0
−1
−2

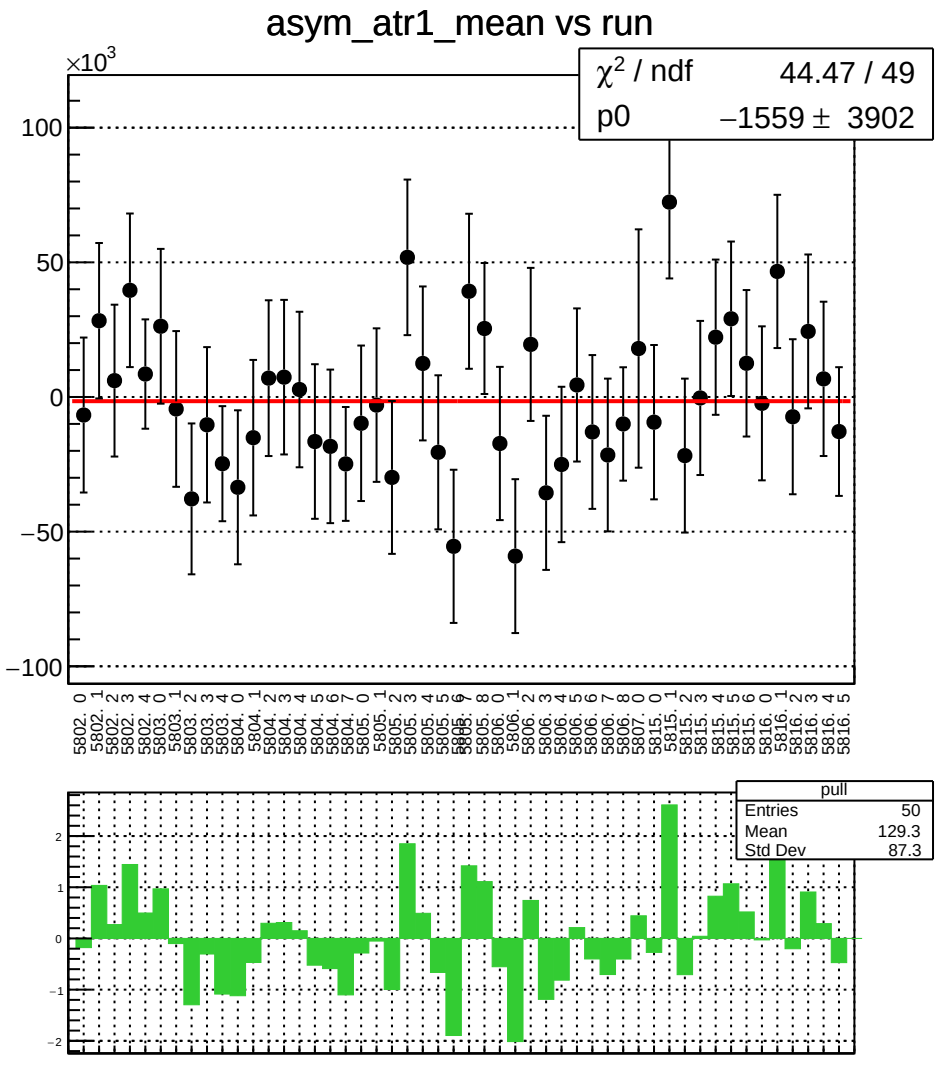

pull1D
Entries 50
Mean 0.01376
Std Dev 0.9478
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

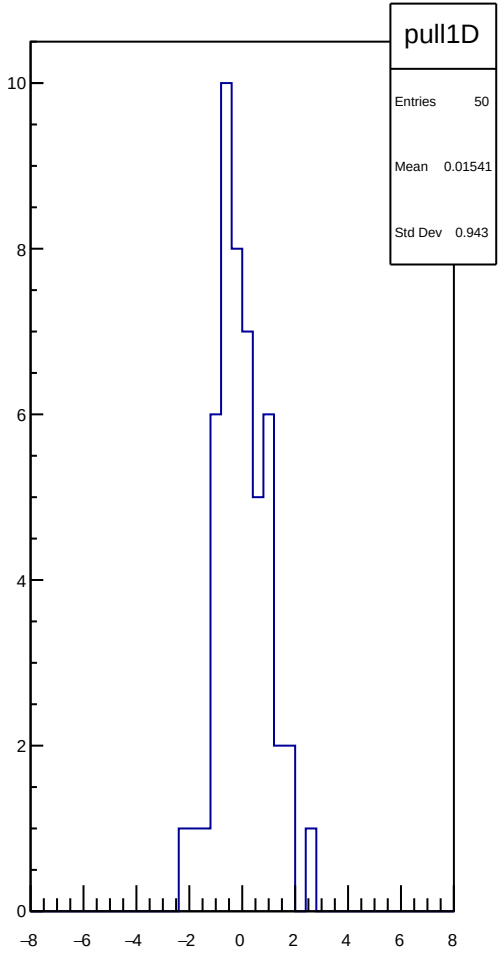

dit_asym_atr1_rms vs run
χ² / ndf 42.28 / 49
p0 2669 ± 2.713
2720
2700
2680
2660
2640
2620
2600
2580
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
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

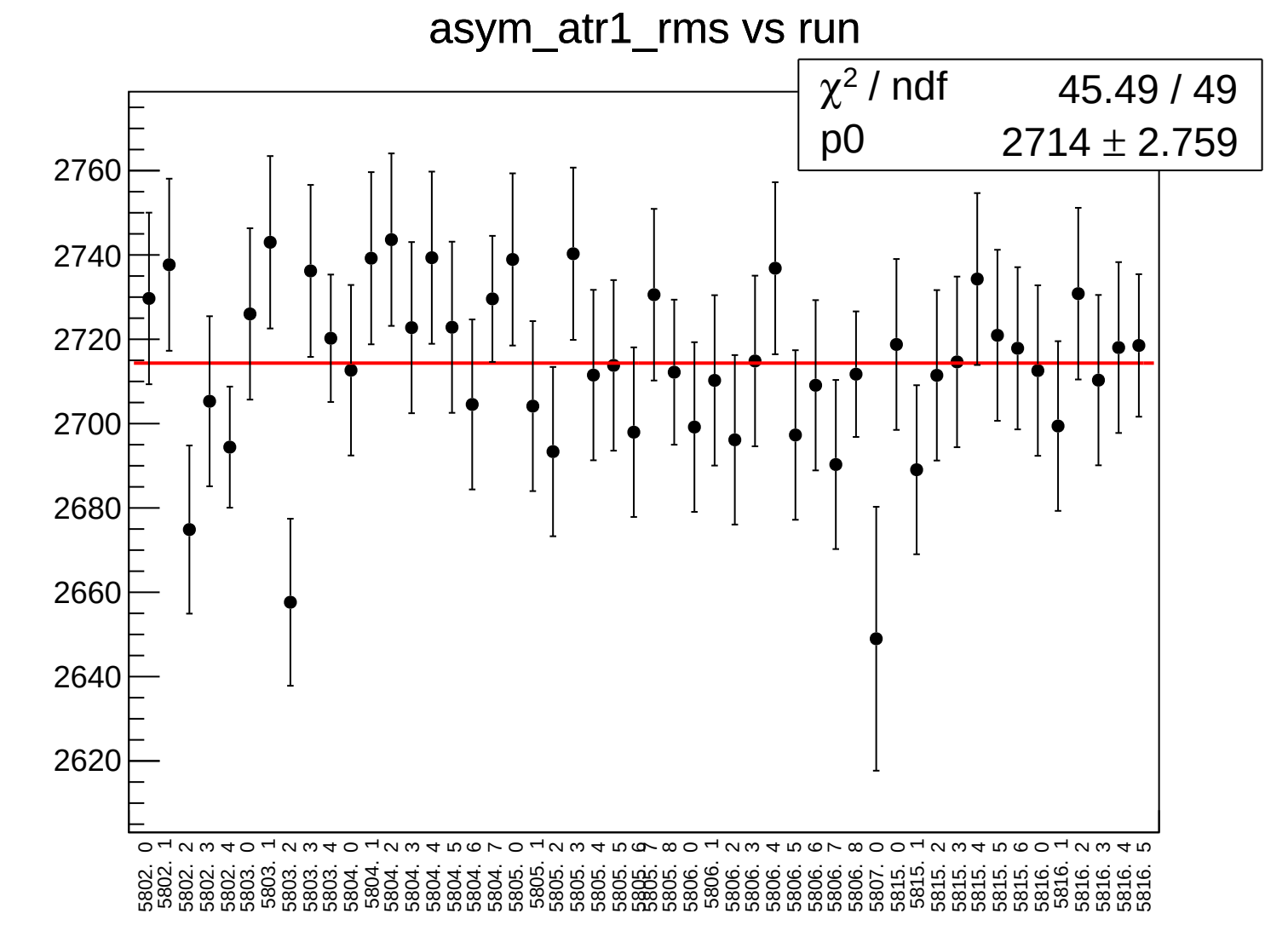

asym_atr1_correction_mean vs run
χ² / ndf 60.32 / 49
p0 −12.6 ± 649.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −155.4
Std Dev 181.2
2
1
0
−1
−2

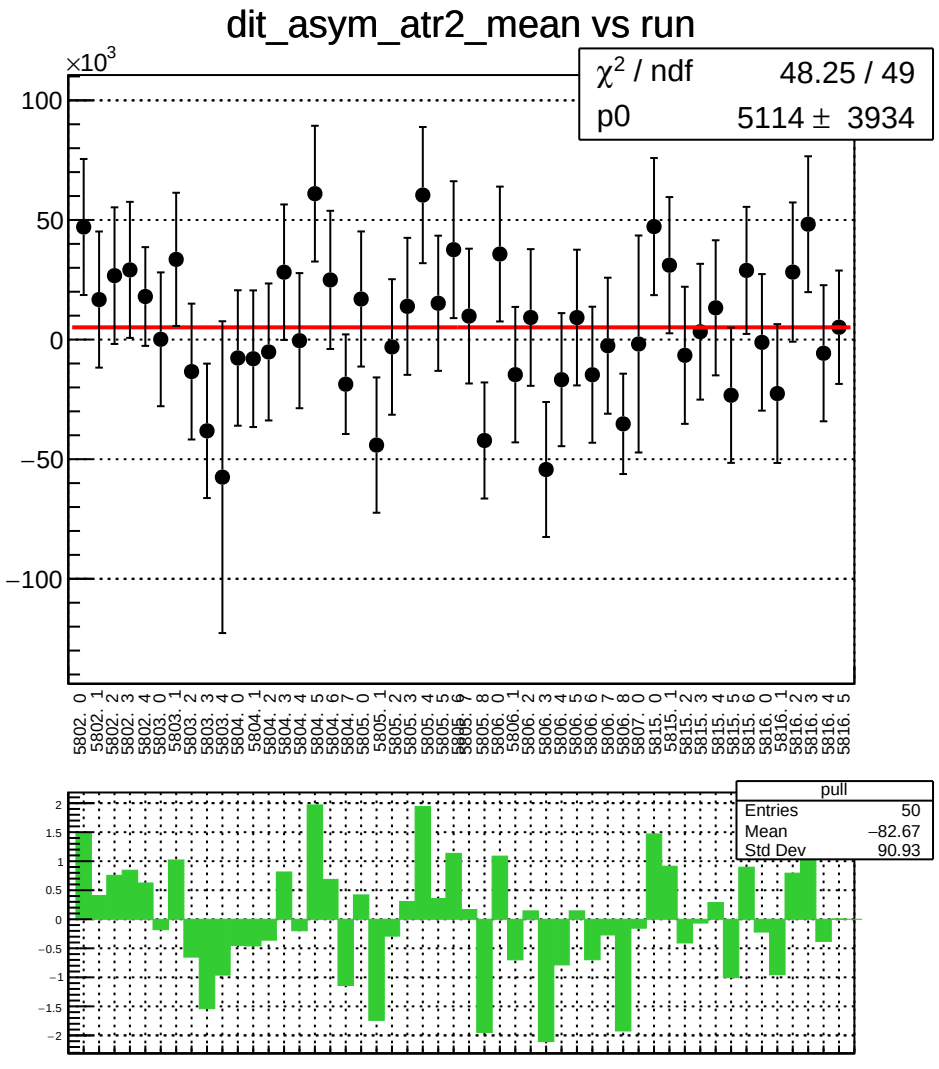

pull1D
Entries 50
Mean −0.01828
Std Dev 1.098
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

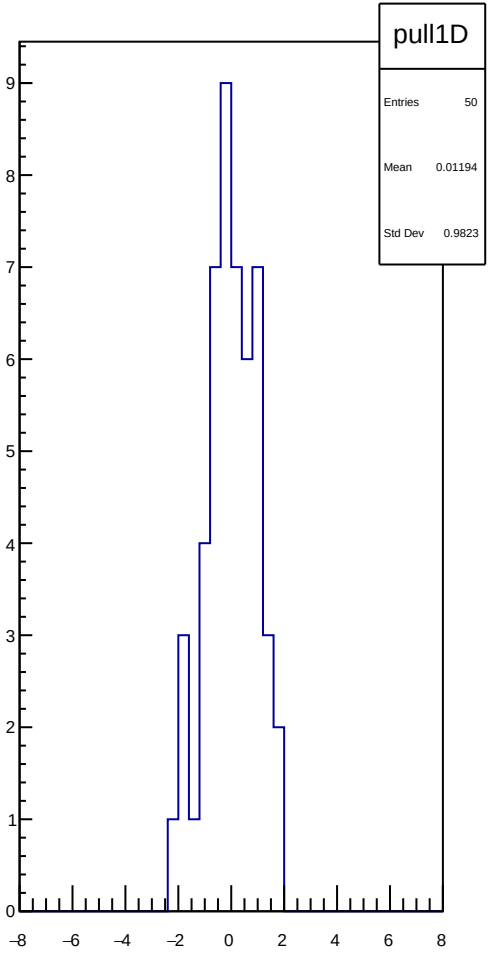

asym_atr1_correction_rms vs run
χ² / ndf 1405 / 49
p0 451.5 ± 0.4593
500
480
460
440
420
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

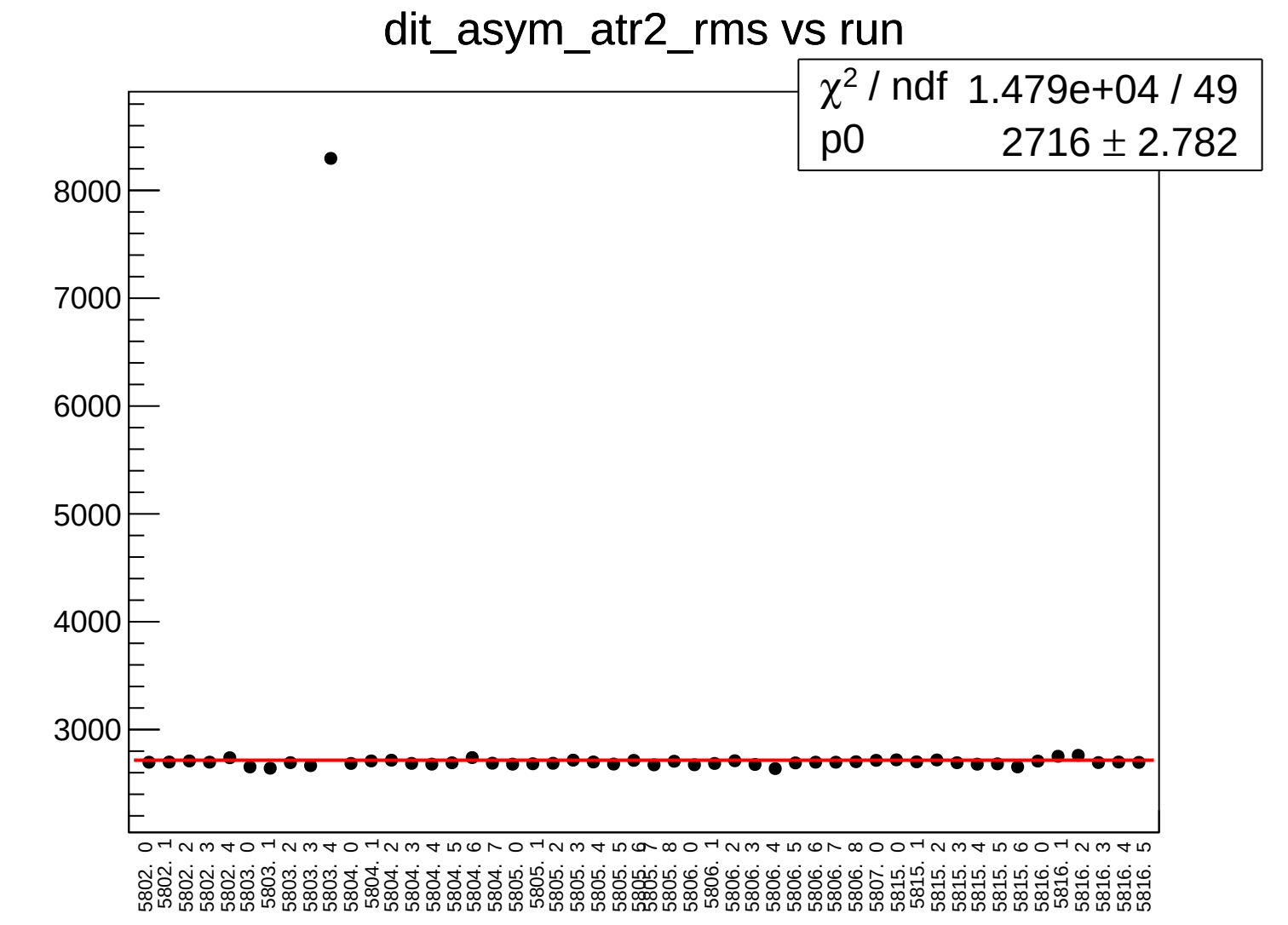

asym_atr1_mean vs run
×10^3
χ² / ndf 44.47 / 49
p0 −1559 ± 3902
100
50
0
−50
−100
pull
Entries 50
Mean 129.3
Std Dev 87.3
2
1
0
−1
−2

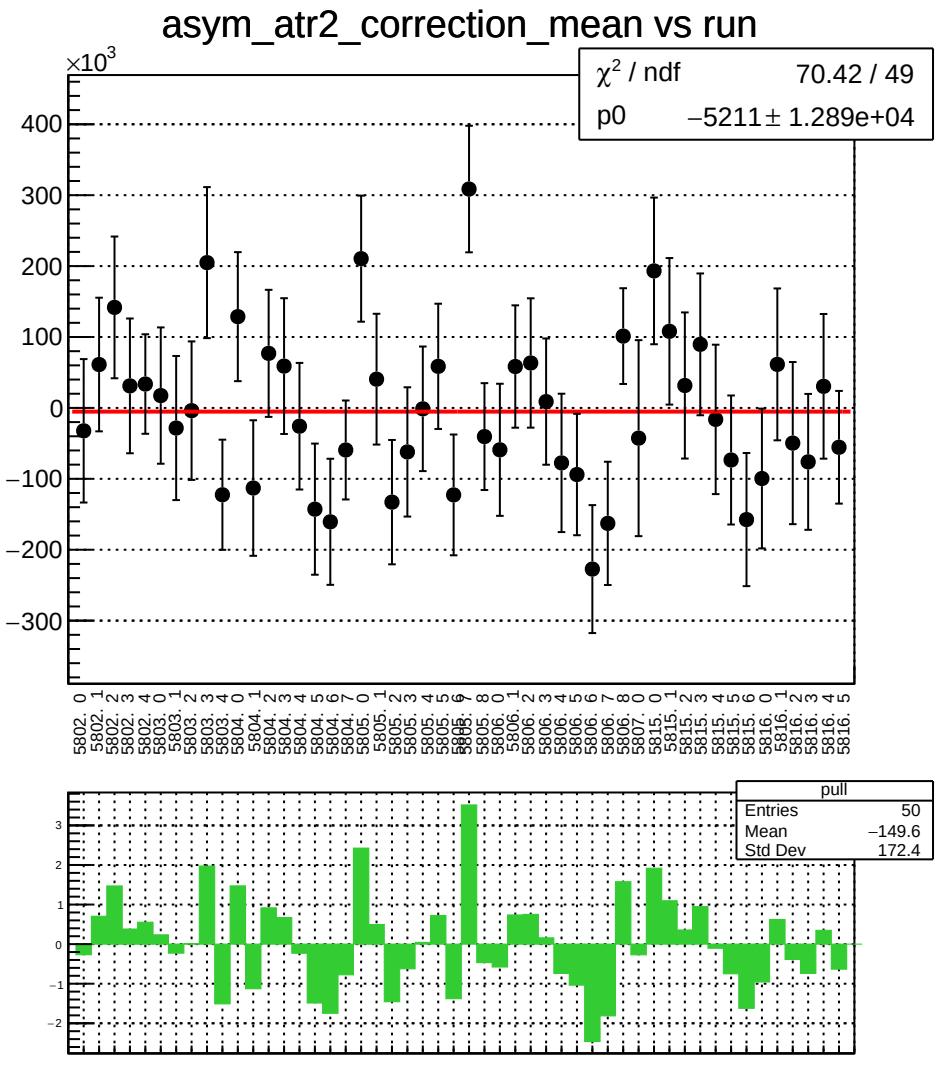

pull1D
Entries 50
Mean 0.01541
Std Dev 0.943
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

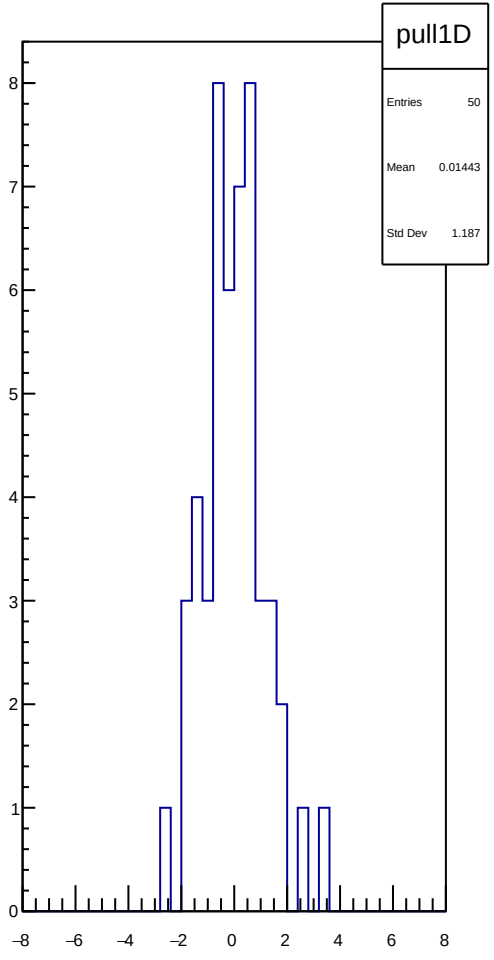

asym_atr1_rms vs run
χ² / ndf 45.49 / 49
p0 2714 ± 2.759
2760
2740
2720
2700
2680
2660
2640
2620
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805.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

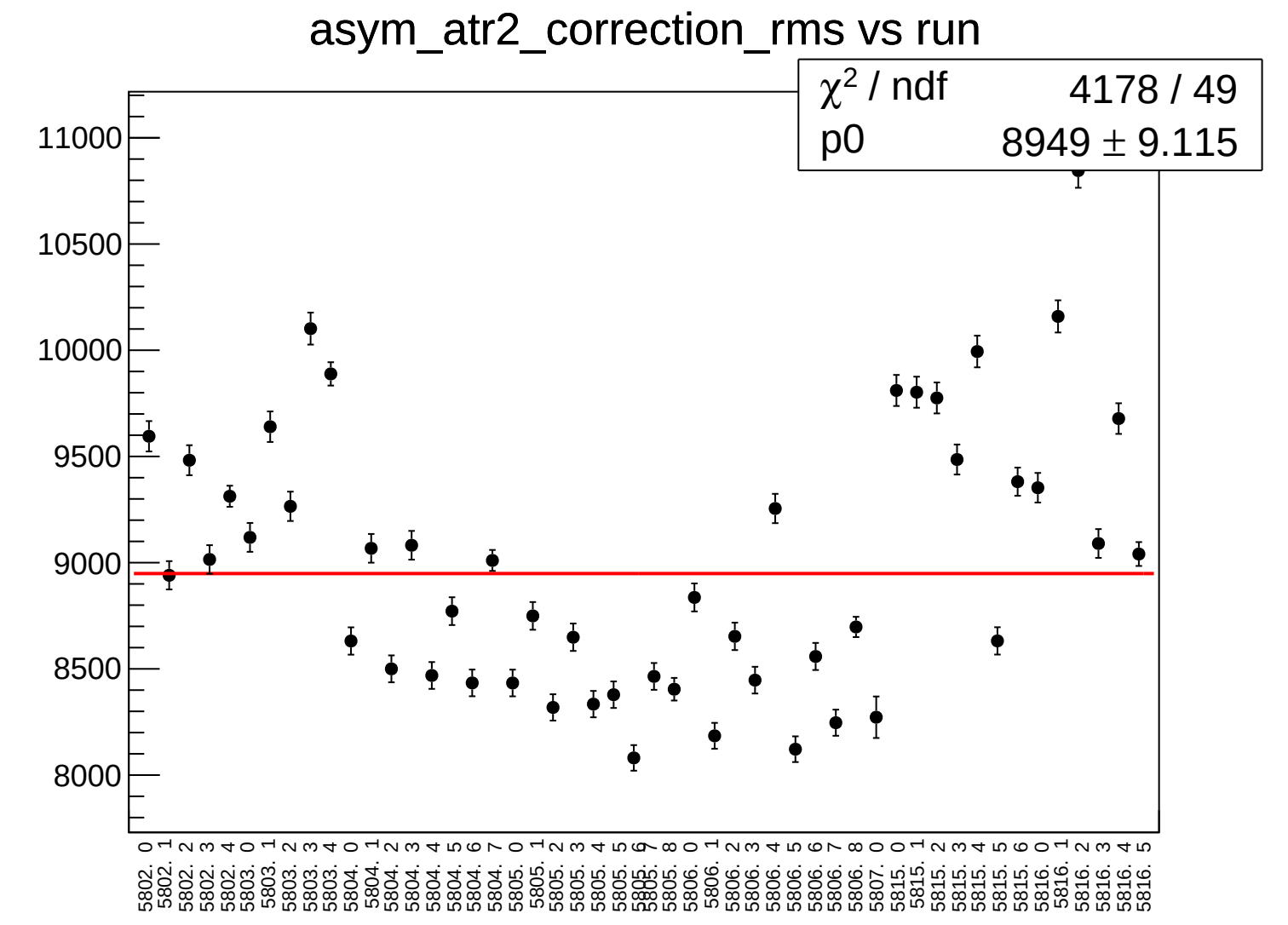

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 48.25 / 49
p0 5114 ± 3934
100
50
0
−50
−100
pull
Entries 50
Mean −82.67
Std Dev 90.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

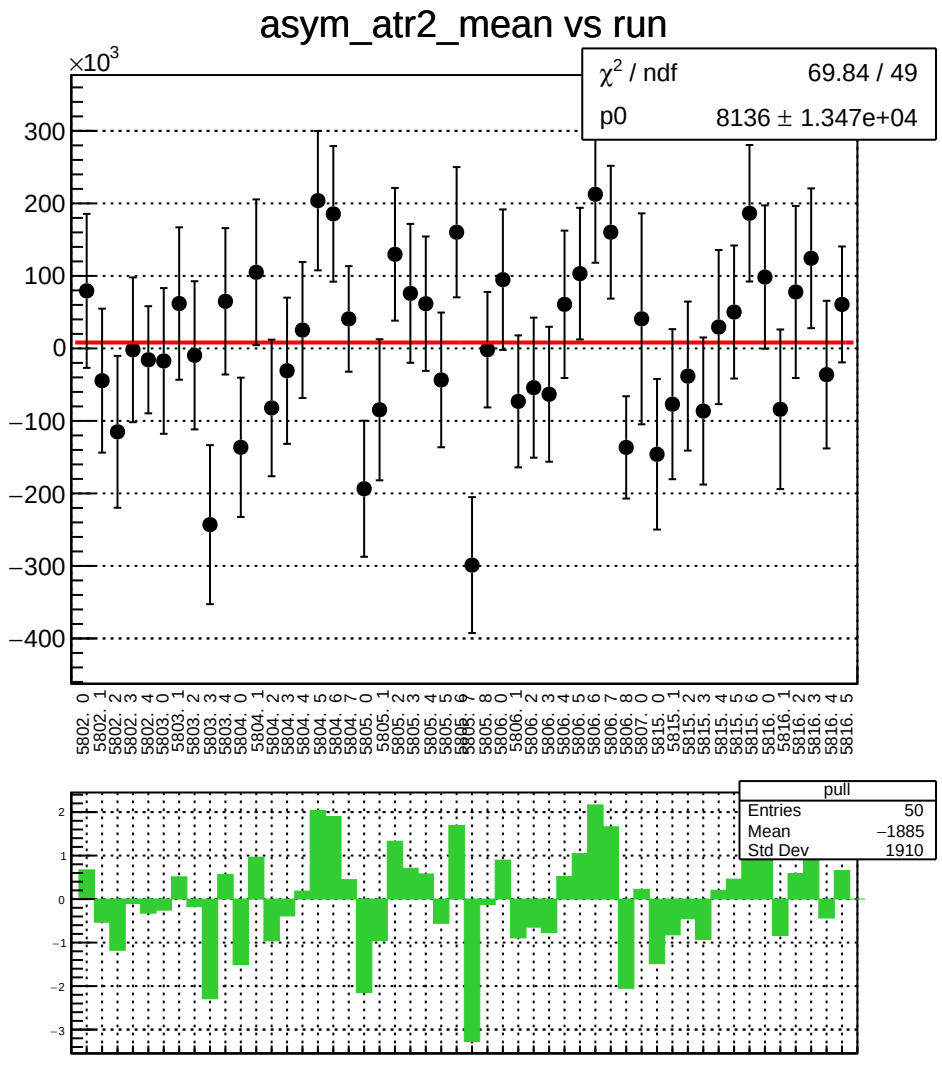

pull1D
Entries 50
Mean 0.01194
Std Dev 0.9823
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

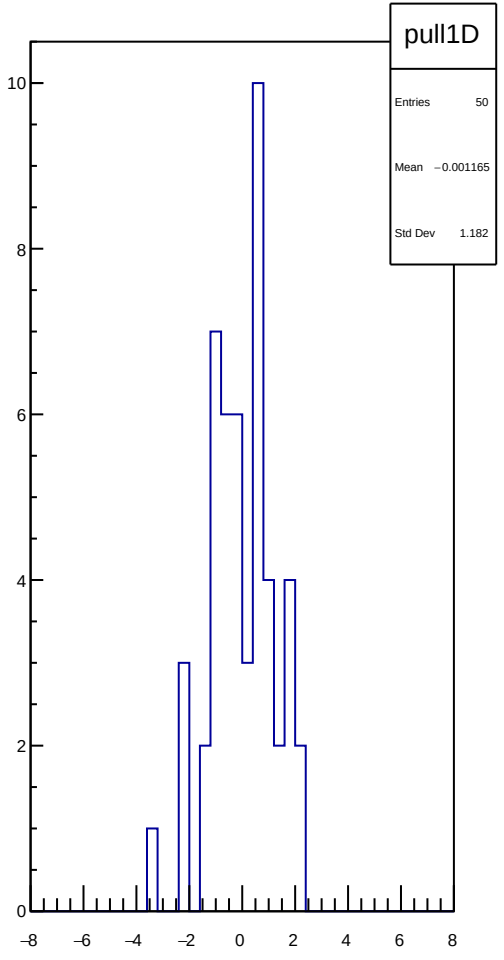

dit_asym_atr2_rms vs run
χ² / ndf 1.479e+04 / 49
p0 2716 ± 2.782
8000
7000
6000
5000
4000
3000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

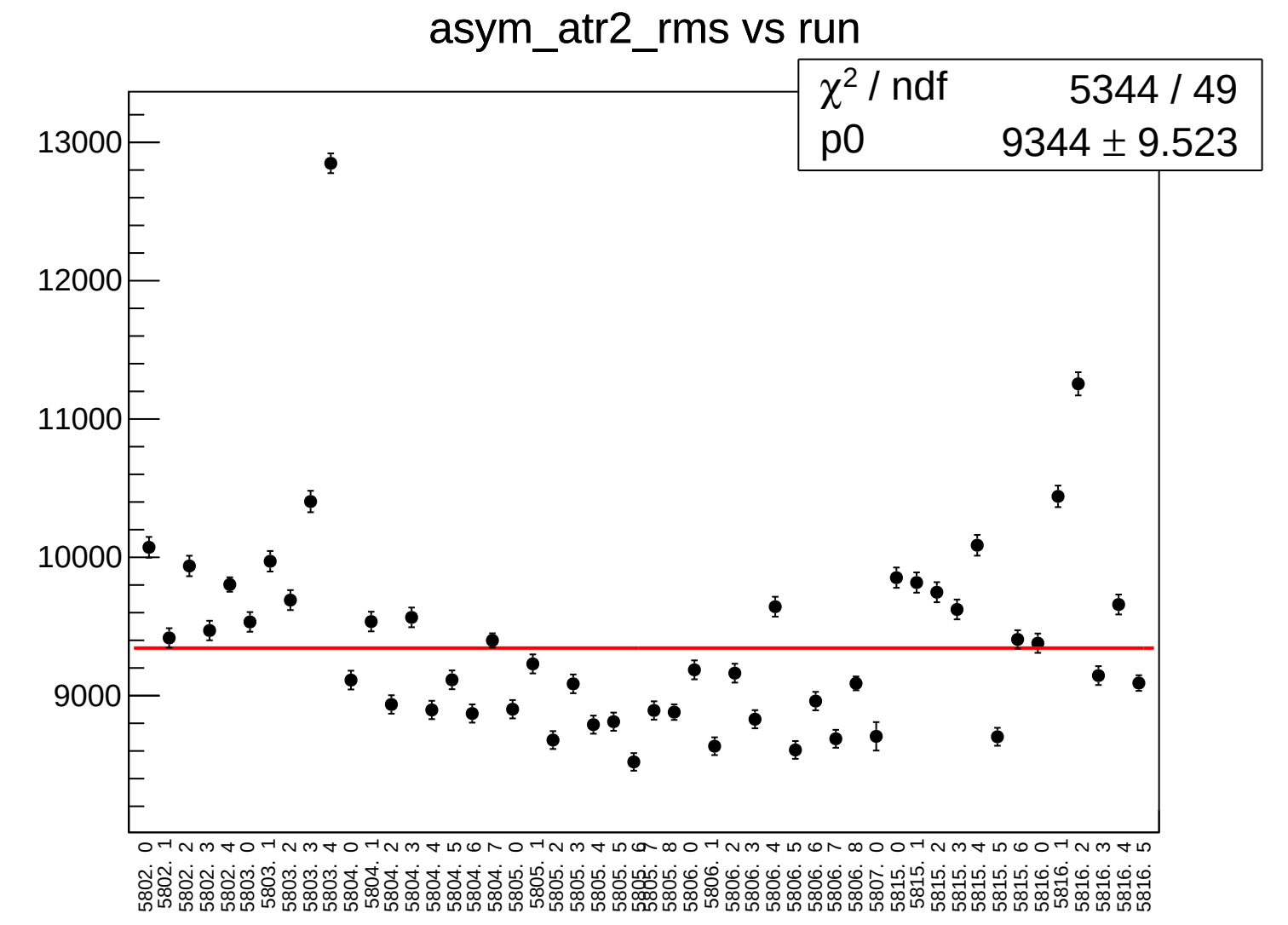

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 70.42 / 49
p0 −5211 ± 1.289e+04
400
300
200
100
0
−100
−200
−300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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 −149.6
Std Dev 172.4
3
2
1
0
−1
−2

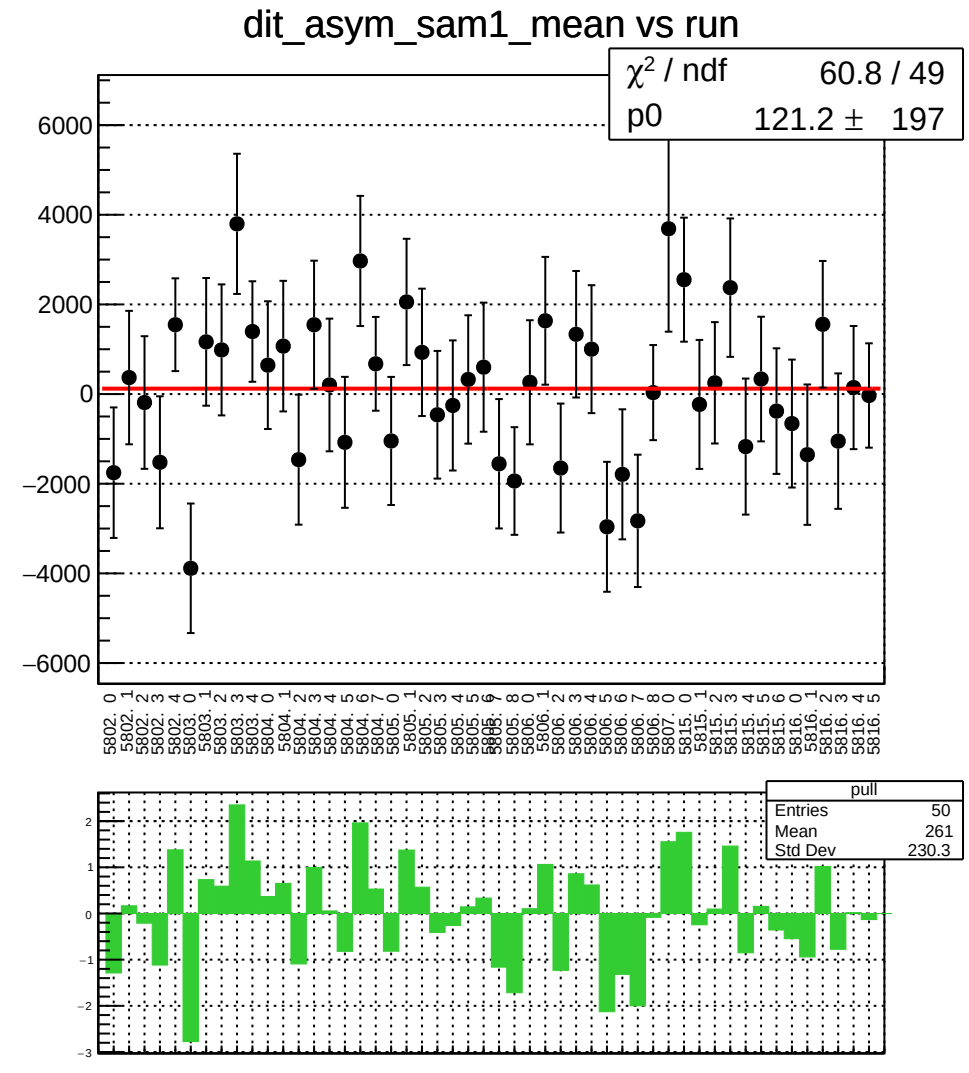

pull1D
Entries 50
Mean 0.01443
Std Dev 1.187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

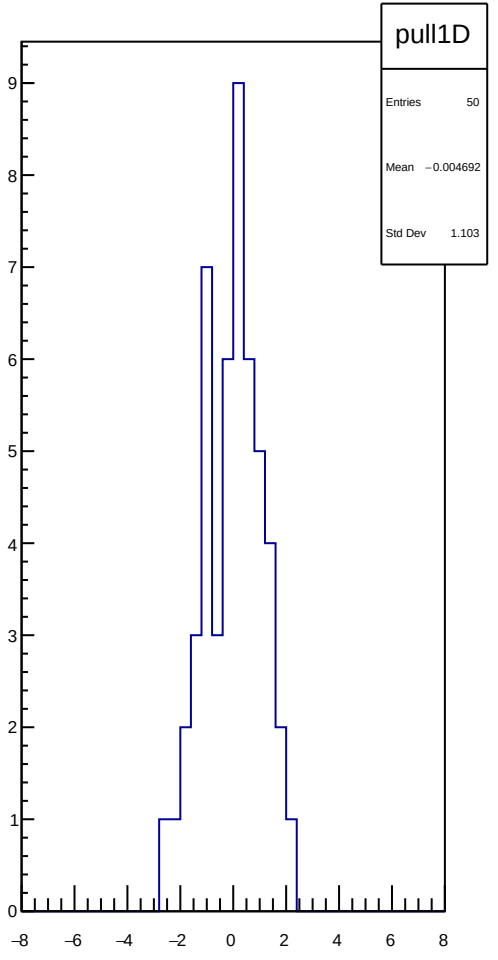

asym_atr2_correction_rms vs run
χ² / ndf 4178 / 49
p0 8949 ± 9.115
11000
10500
10000
9500
9000
8500
8000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

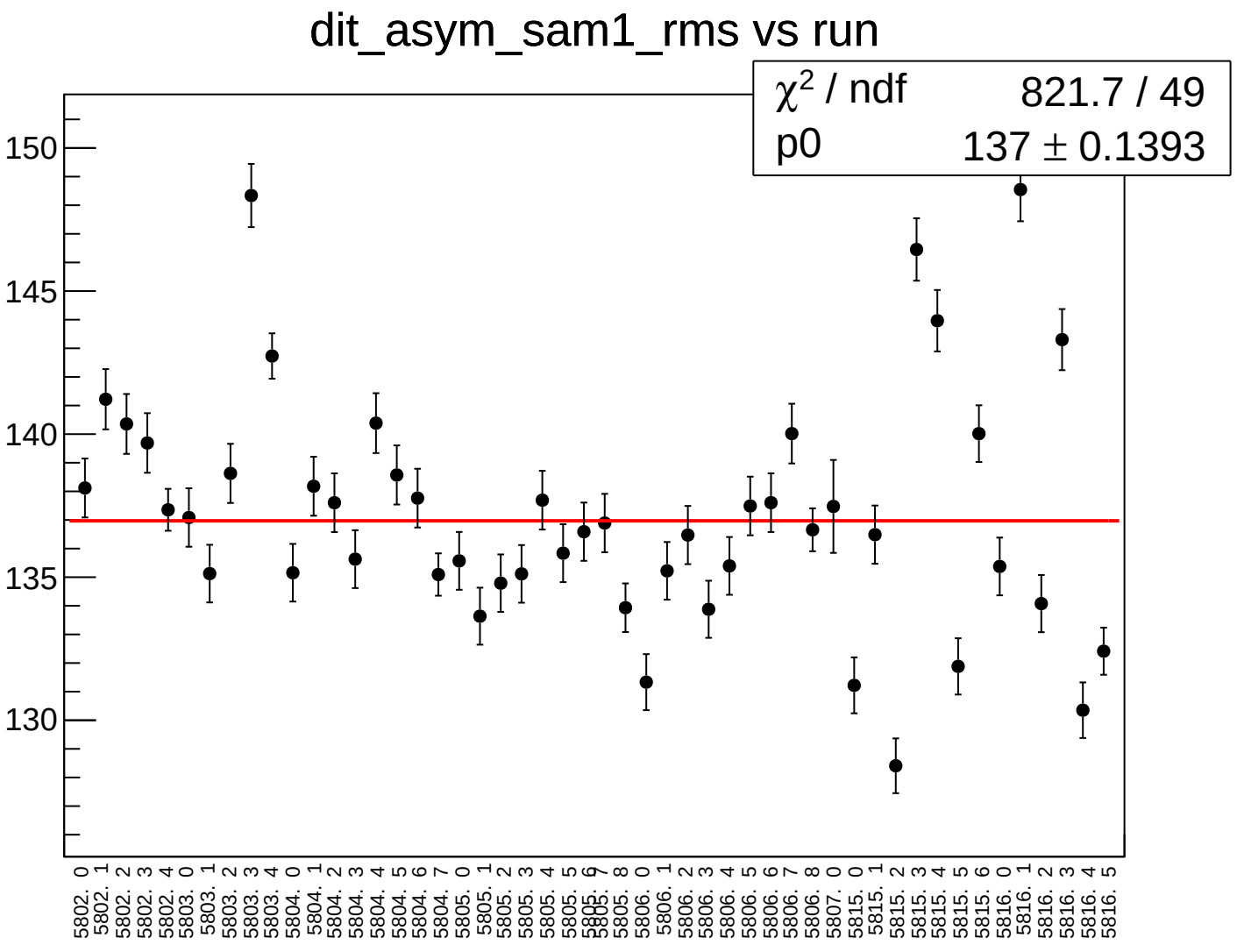

asym_atr2_mean vs run
×10^3
χ² / ndf 69.84 / 49
p0 8136 ± 1.347e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 50
Mean −1885
Std Dev 1910
2
1
0
−1
−2
−3

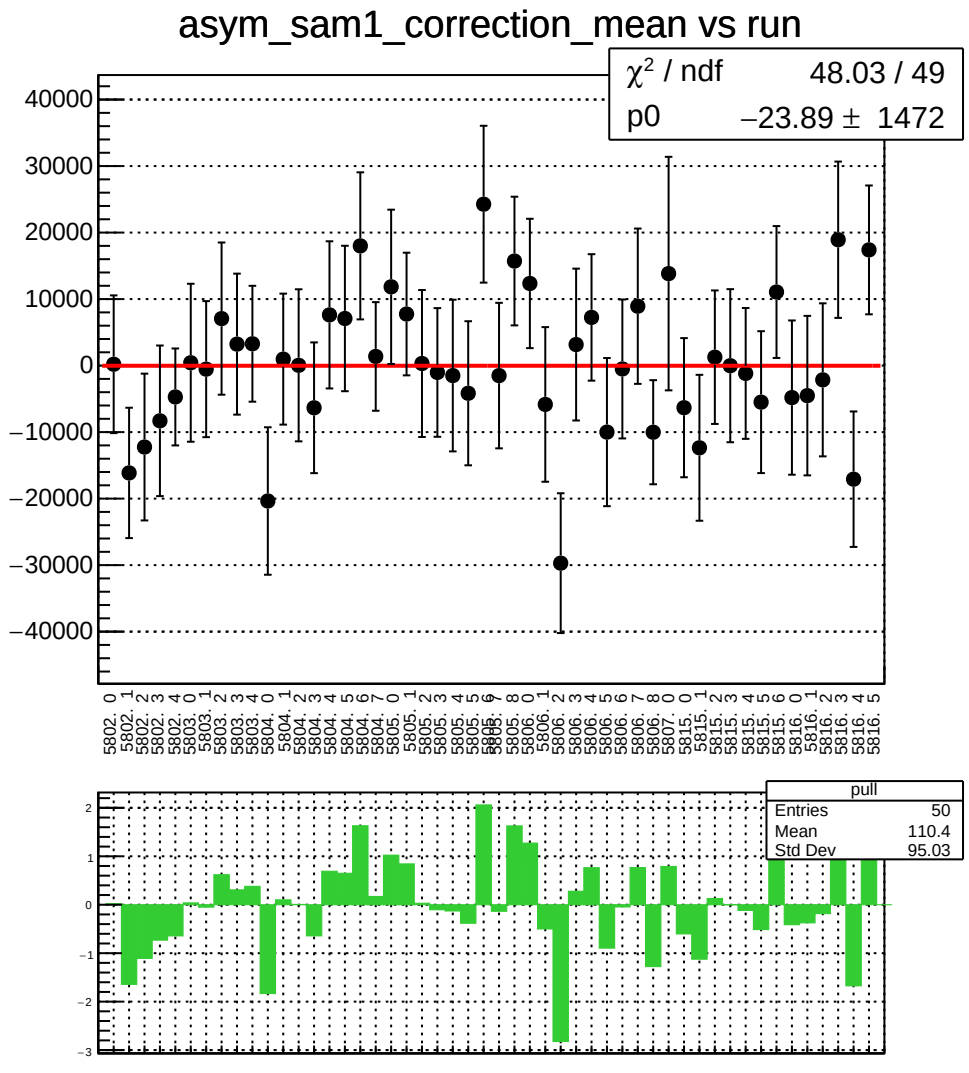

pull1D
Entries 50
Mean −0.001165
Std Dev 1.182
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

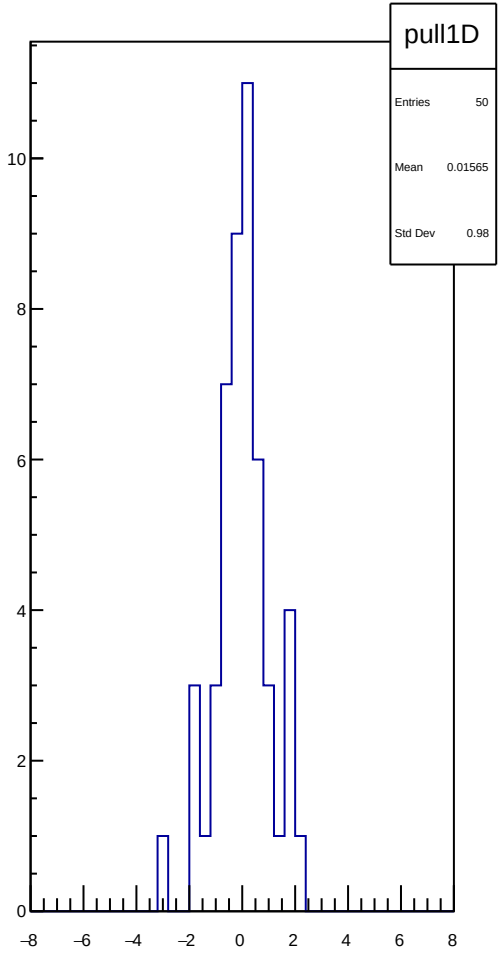

asym_atr2_rms vs run
χ² / ndf 5344 / 49
p0 9344 ± 9.523
13000
12000
11000
10000
9000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8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

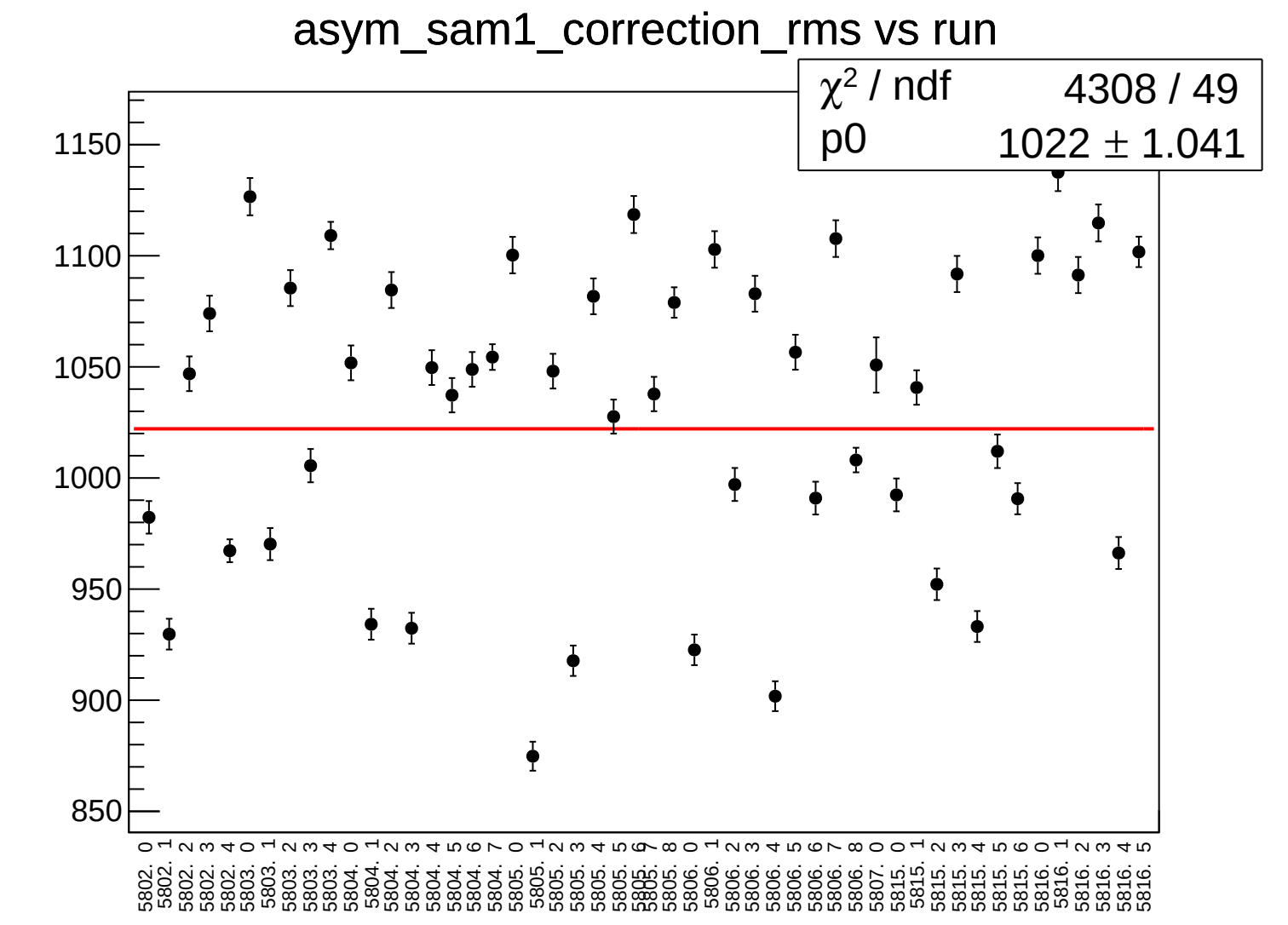

dit_asym_sam1_mean vs run
χ² / ndf 60.8 / 49
p0 121.2 ± 197
6000
4000
2000
0
−2000
−4000
−6000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 261
Std Dev 230.3
2
1
0
−1
−2
−3

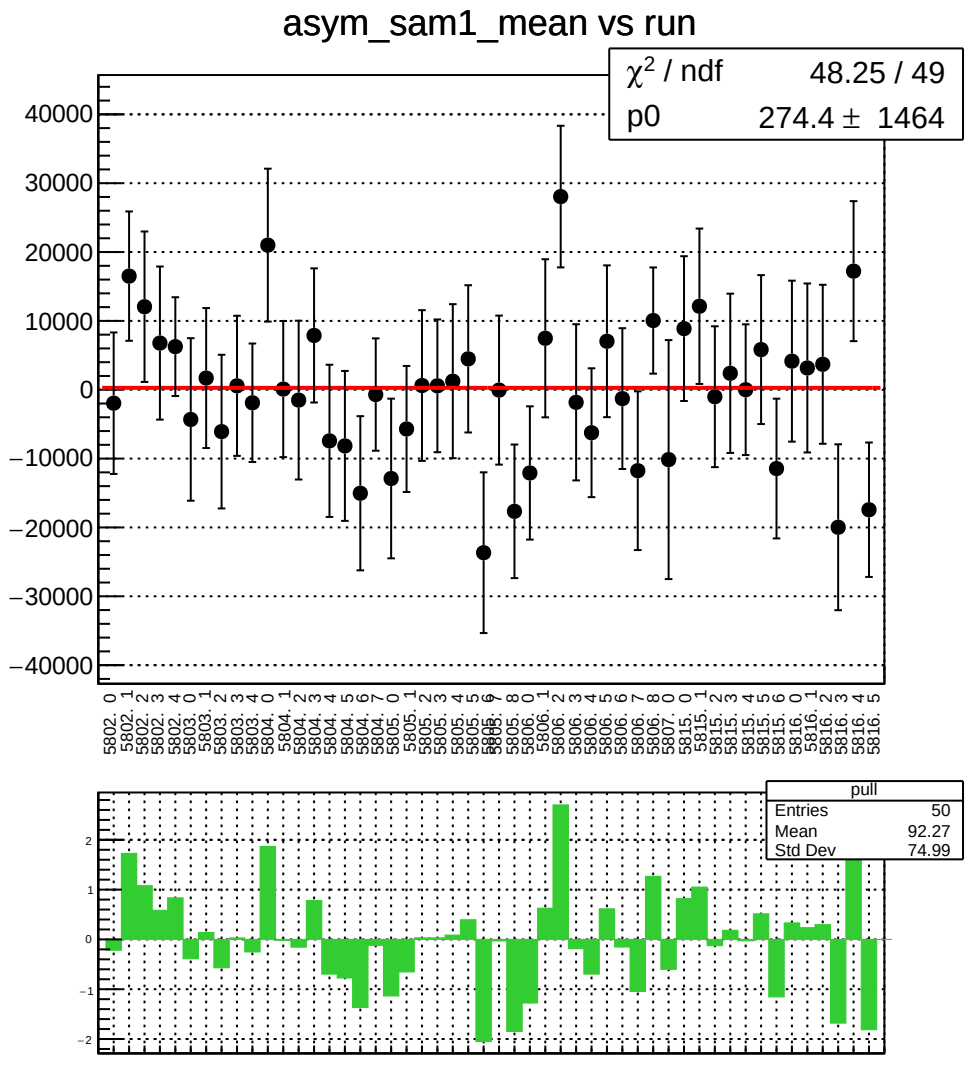

pull1D
Entries 50
Mean −0.004692
Std Dev 1.103
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

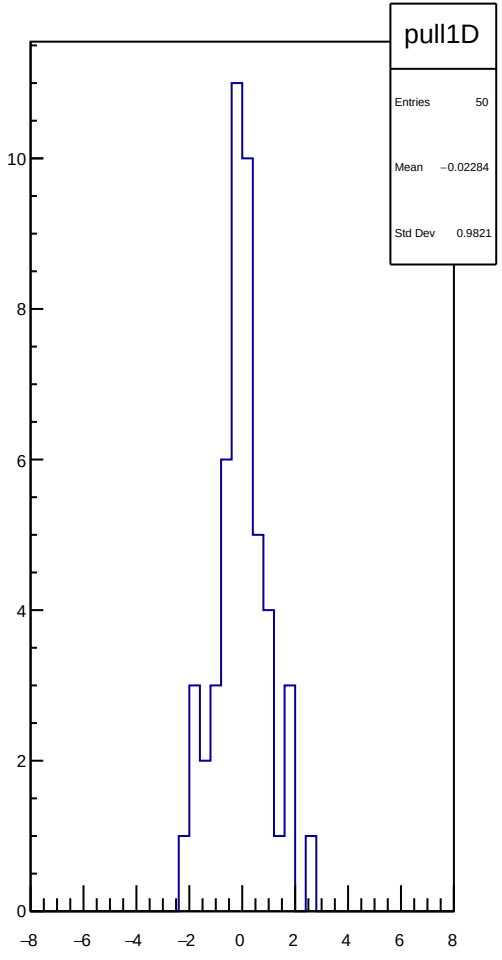

dit_asym_sam1_rms vs run
χ² / ndf 821.7 / 49
p0 137 ± 0.1393
150
145
140
135
130
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 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

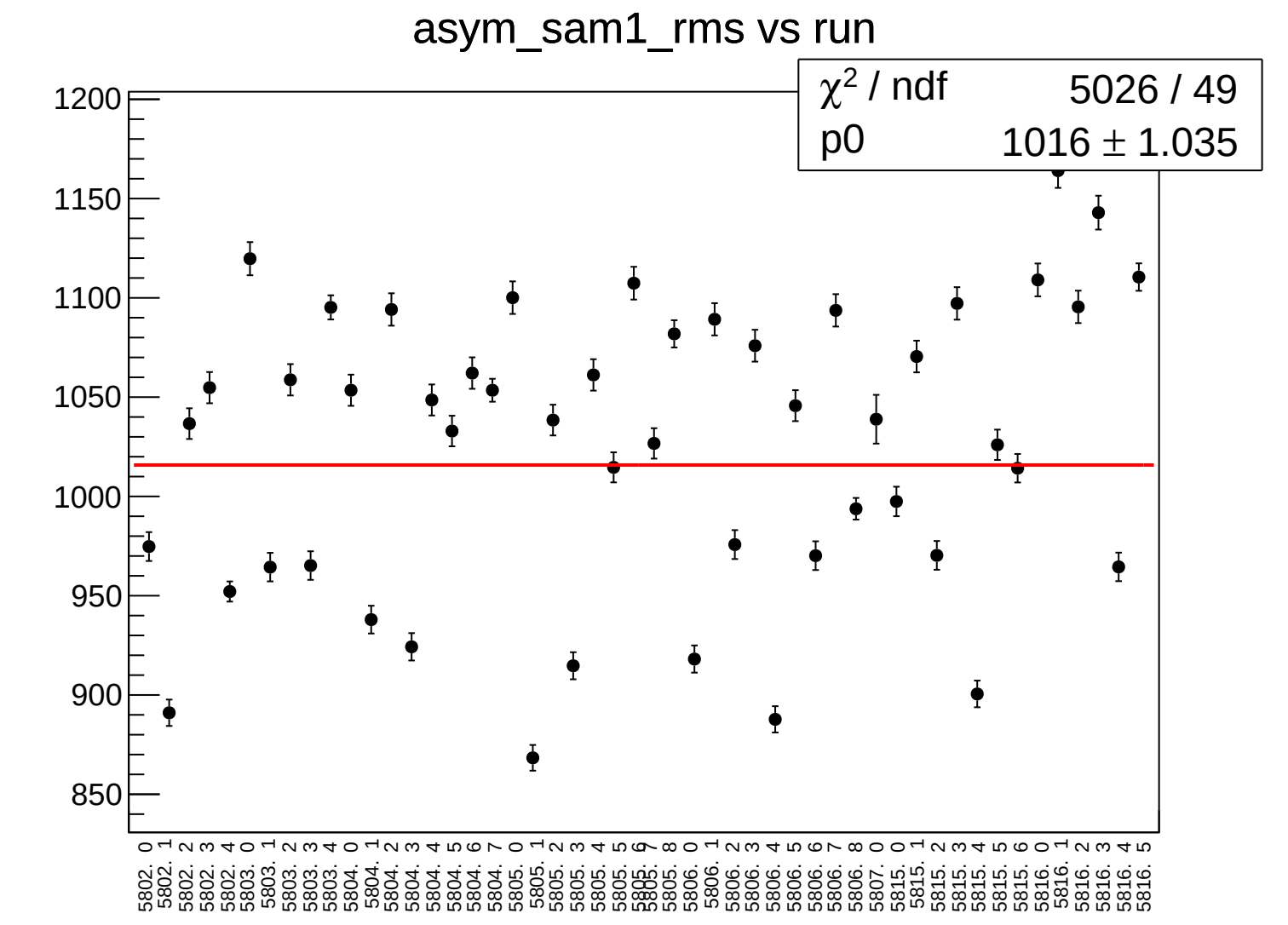

asym_sam1_correction_mean vs run
χ² / ndf 48.03 / 49
p0 −23.89 ± 1472
pull
Entries 50
Mean 110.4
Std Dev 95.03

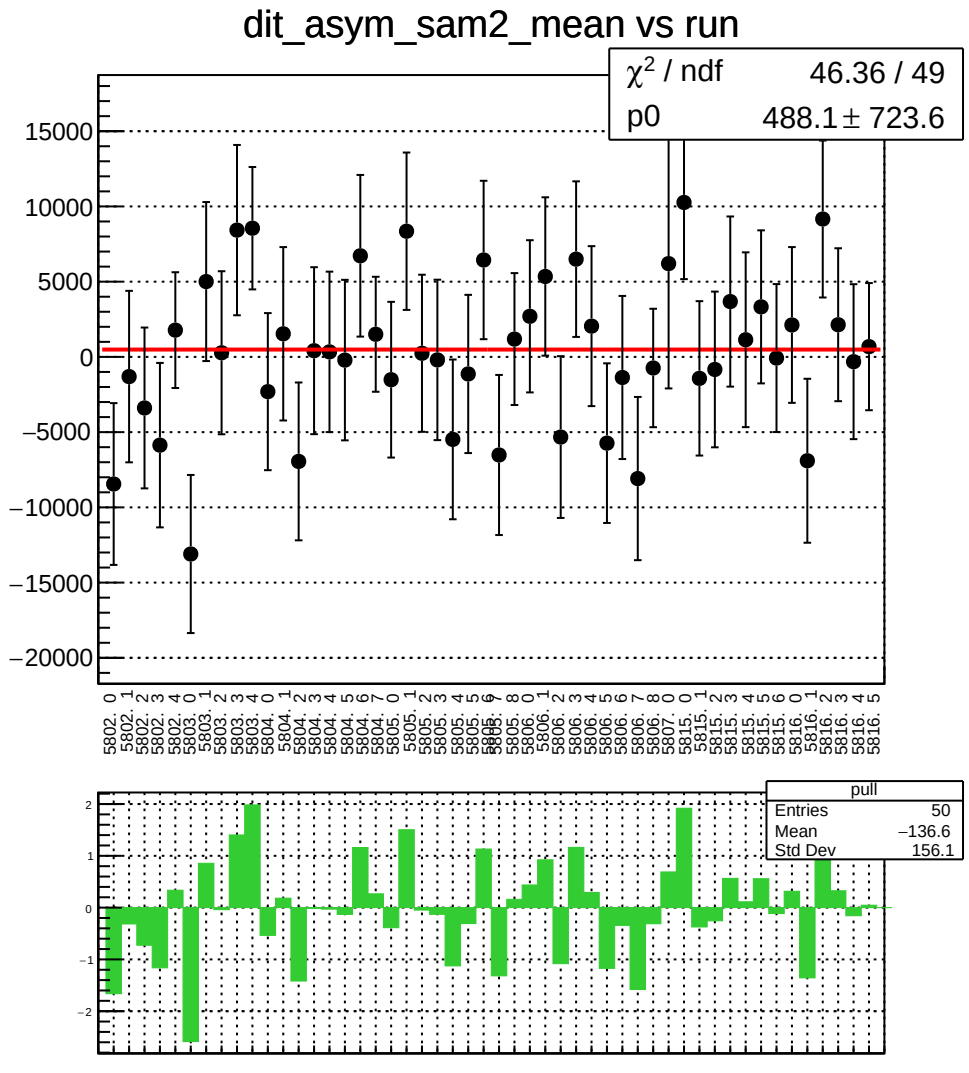

pull1D
Entries 50
Mean 0.01565
Std Dev 0.98

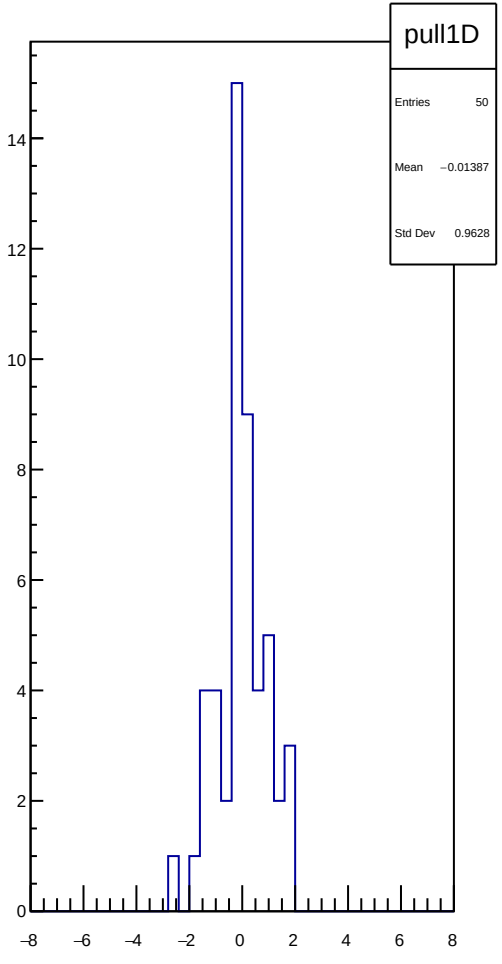

asym_sam1_correction_rms vs run
χ² / ndf 4308 / 49
p0 1022 ± 1.041
1150
1100
1050
1000
950
900
850
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

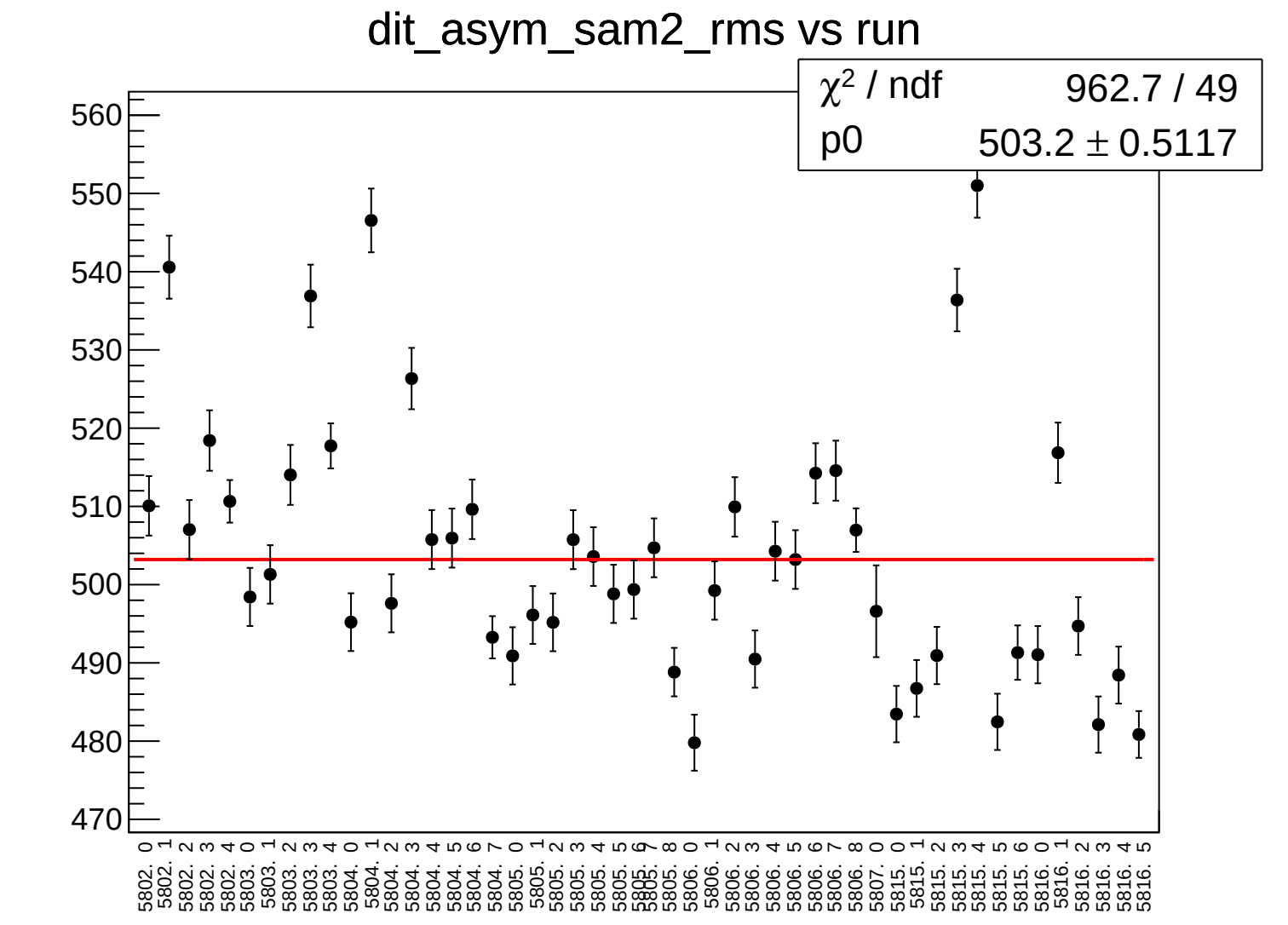

asym_sam1_mean vs run
χ² / ndf 48.25 / 49
p0 274.4 ± 1464
pull
Entries 50
Mean 92.27
Std Dev 74.99

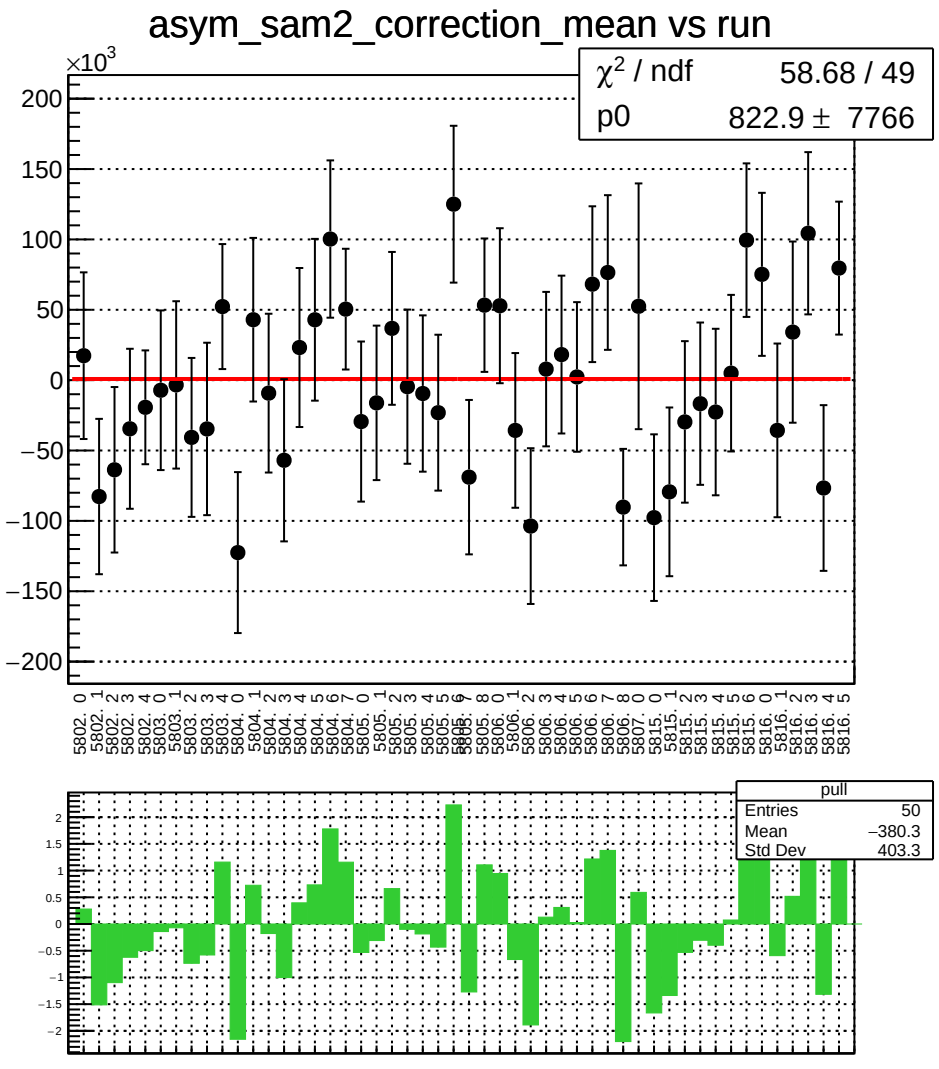

pull1D
Entries 50
Mean −0.02284
Std Dev 0.9821

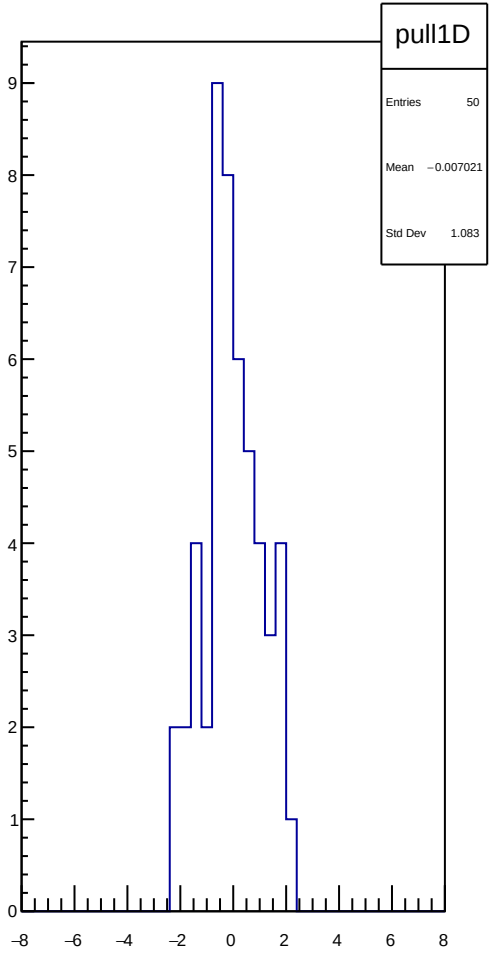

asym_sam1_rms vs run
χ² / ndf 5026 / 49
p0 1016 ± 1.035
1200
1150
1100
1050
1000
950
900
850
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7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

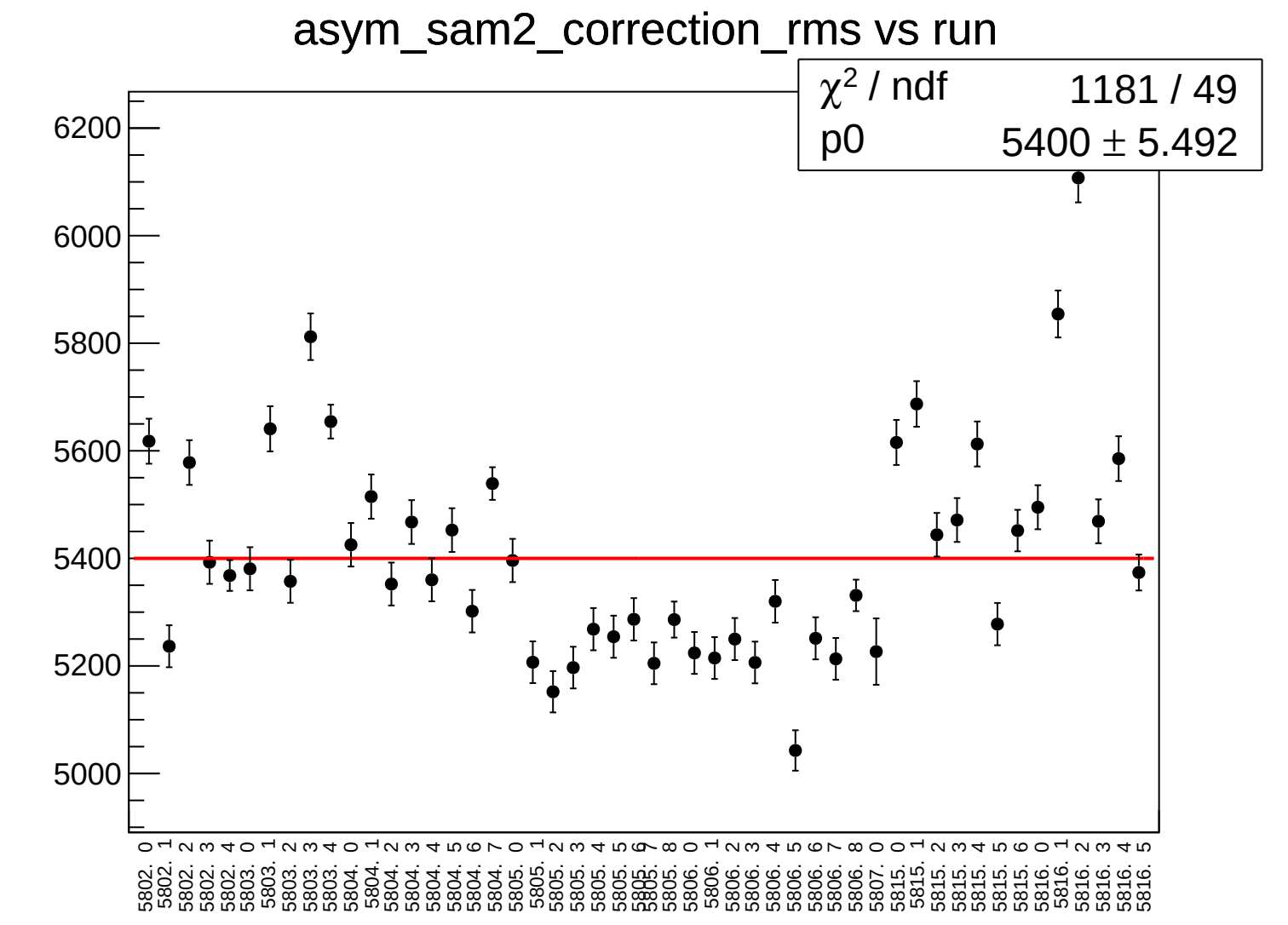

dit_asym_sam2_mean vs run
χ² / ndf 46.36 / 49
p0 488.1 ± 723.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −136.6
Std Dev 156.1
2
1
0
−1
−2

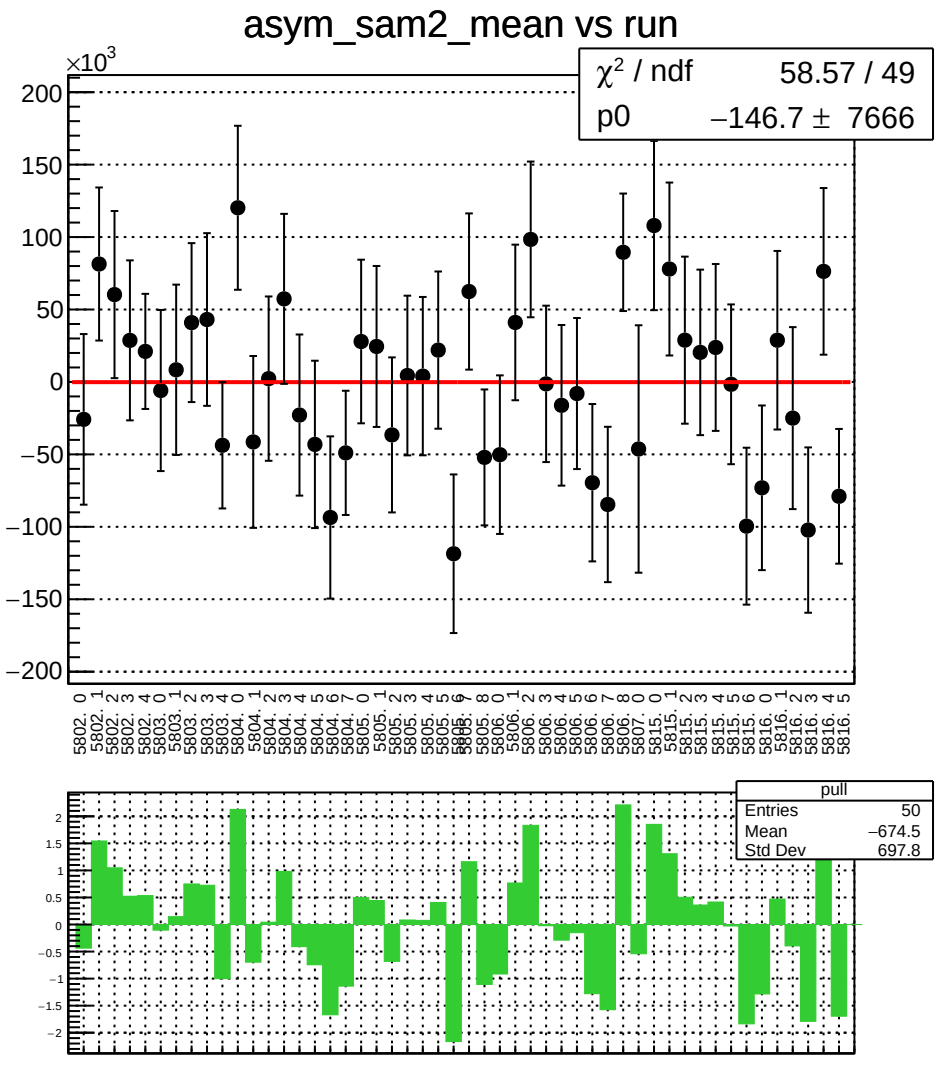

pull1D
Entries 50
Mean −0.01387
Std Dev 0.9628
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

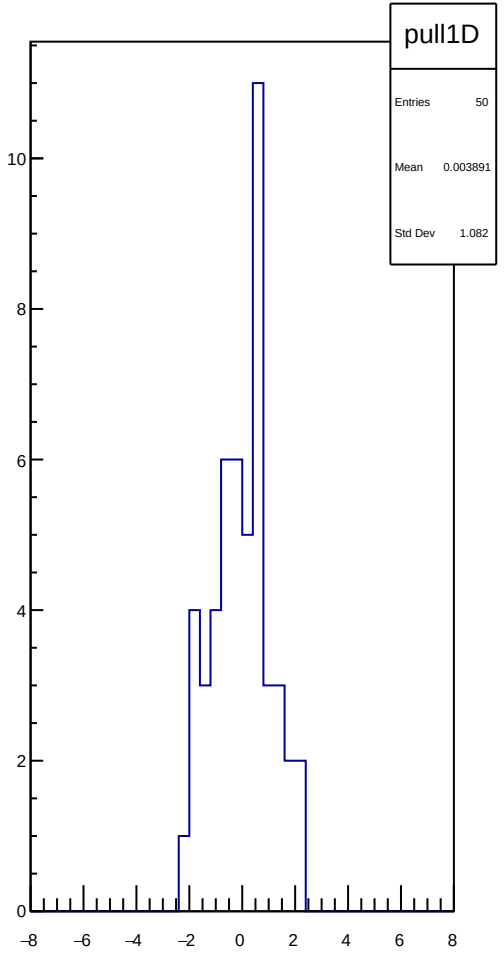

dit_asym_sam2_rms vs run
χ² / ndf 962.7 / 49
p0 503.2 ± 0.5117
560
550
540
530
520
510
500
490
480
470
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

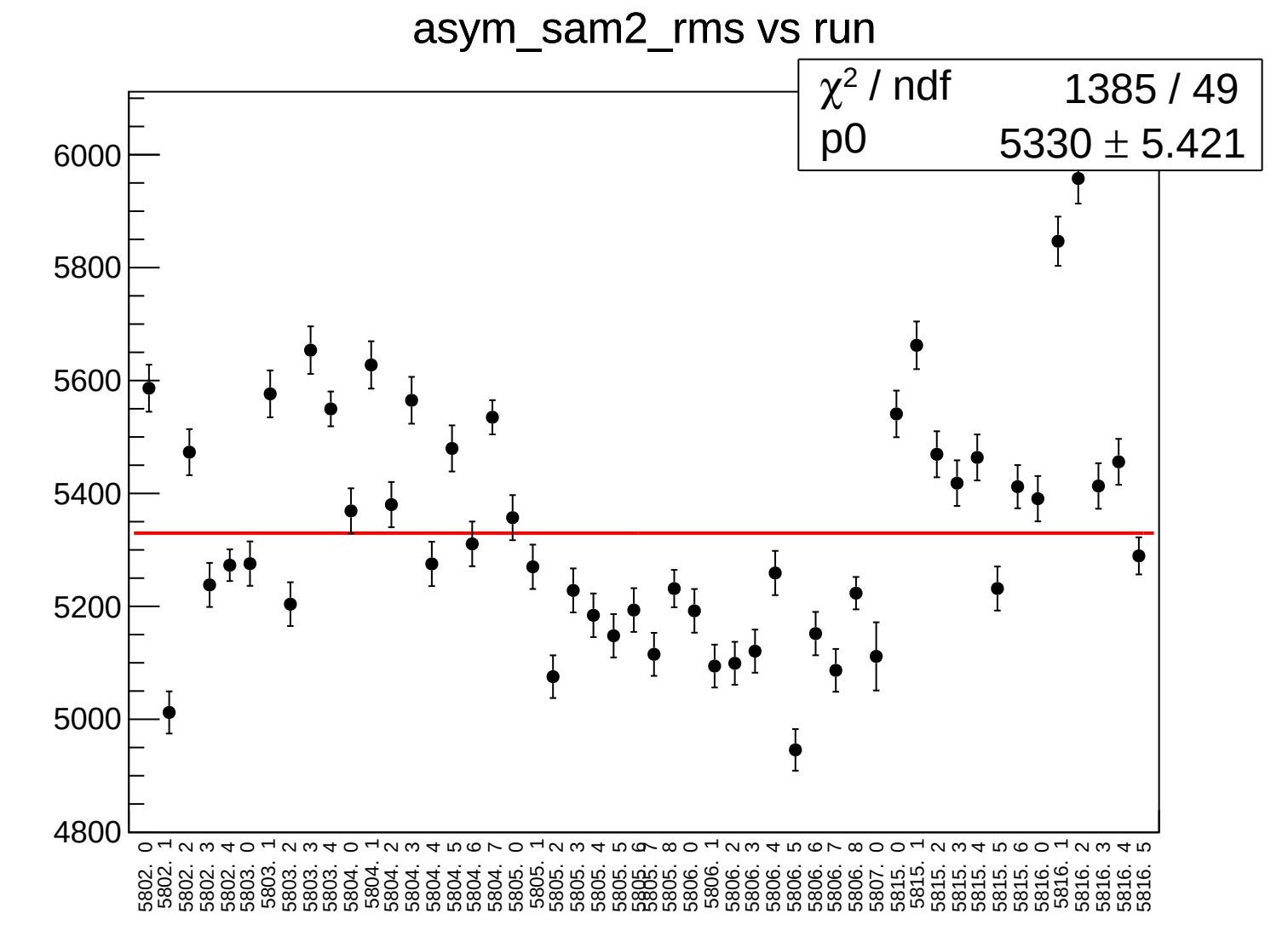

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 58.68 / 49
p0 822.9 ± 7766
200
150
100
50
0
−50
−100
−150
−200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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 −380.3
Std Dev 403.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

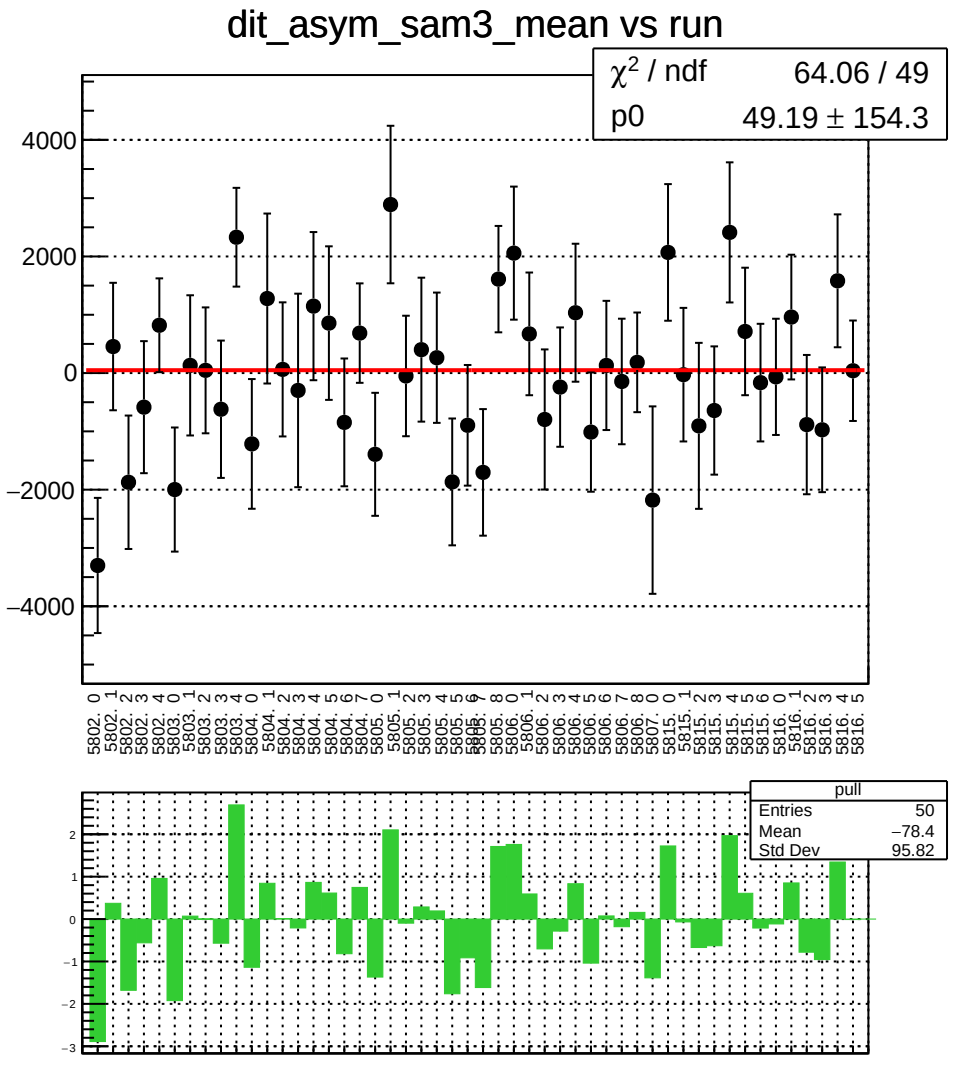

pull1D
Entries 50
Mean −0.007021
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

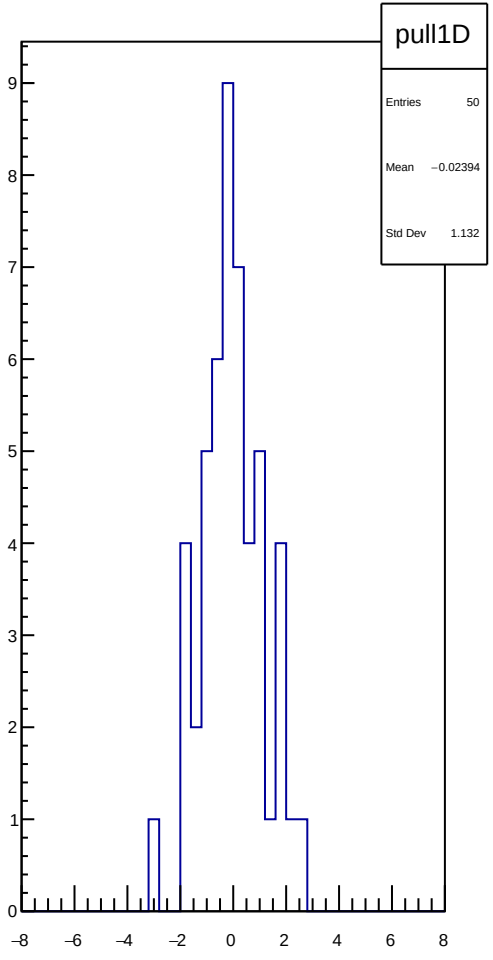

asym_sam2_correction_rms vs run
χ² / ndf 1181 / 49
p0 5400 ± 5.492
6200
6000
5800
5600
5400
5200
5000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
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

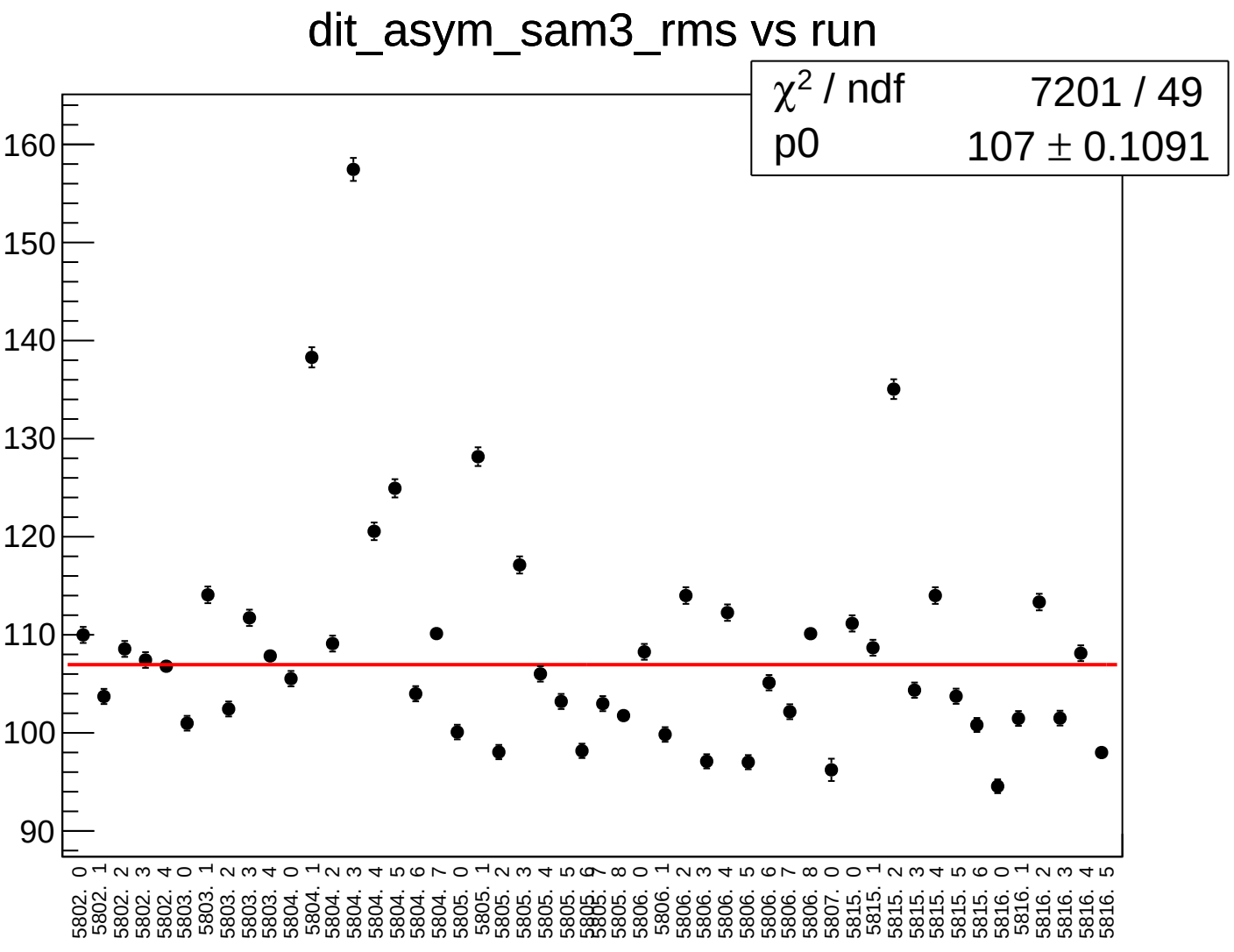

asym_sam2_mean vs run
×10^3
χ² / ndf 58.57 / 49
p0 −146.7 ± 7666
pull
Entries 50
Mean −674.5
Std Dev 697.8

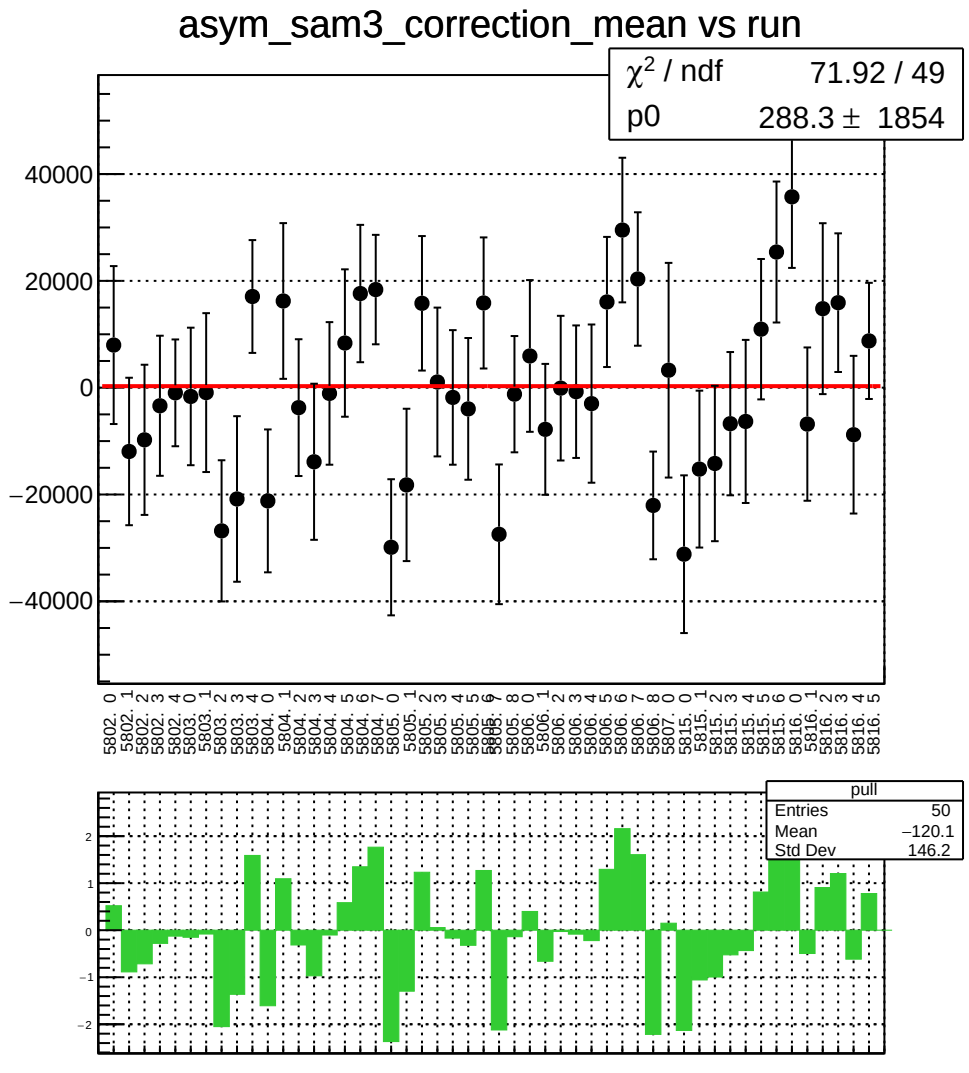

pull1D
Entries 50
Mean 0.003891
Std Dev 1.082

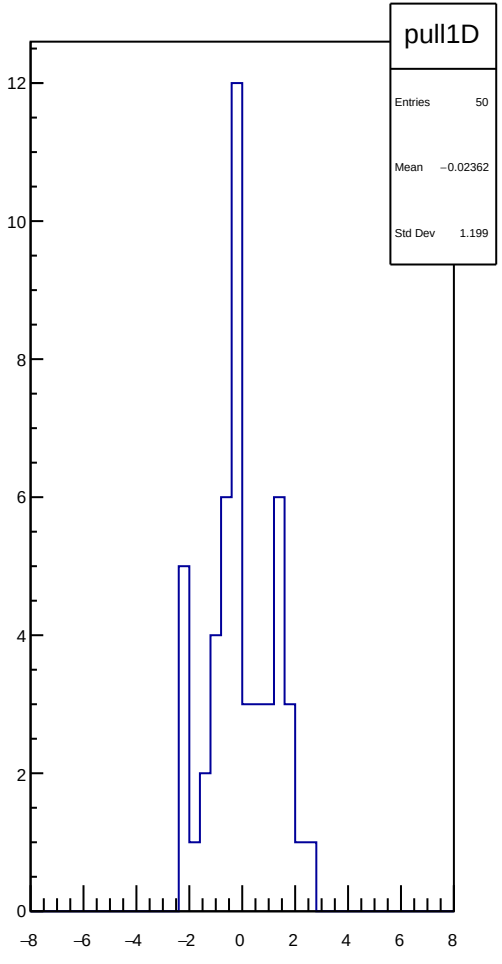

asym_sam2_rms vs run
χ² / ndf 1385 / 49
p0 5330 ± 5.421
6000
5800
5600
5400
5200
5000
4800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805.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

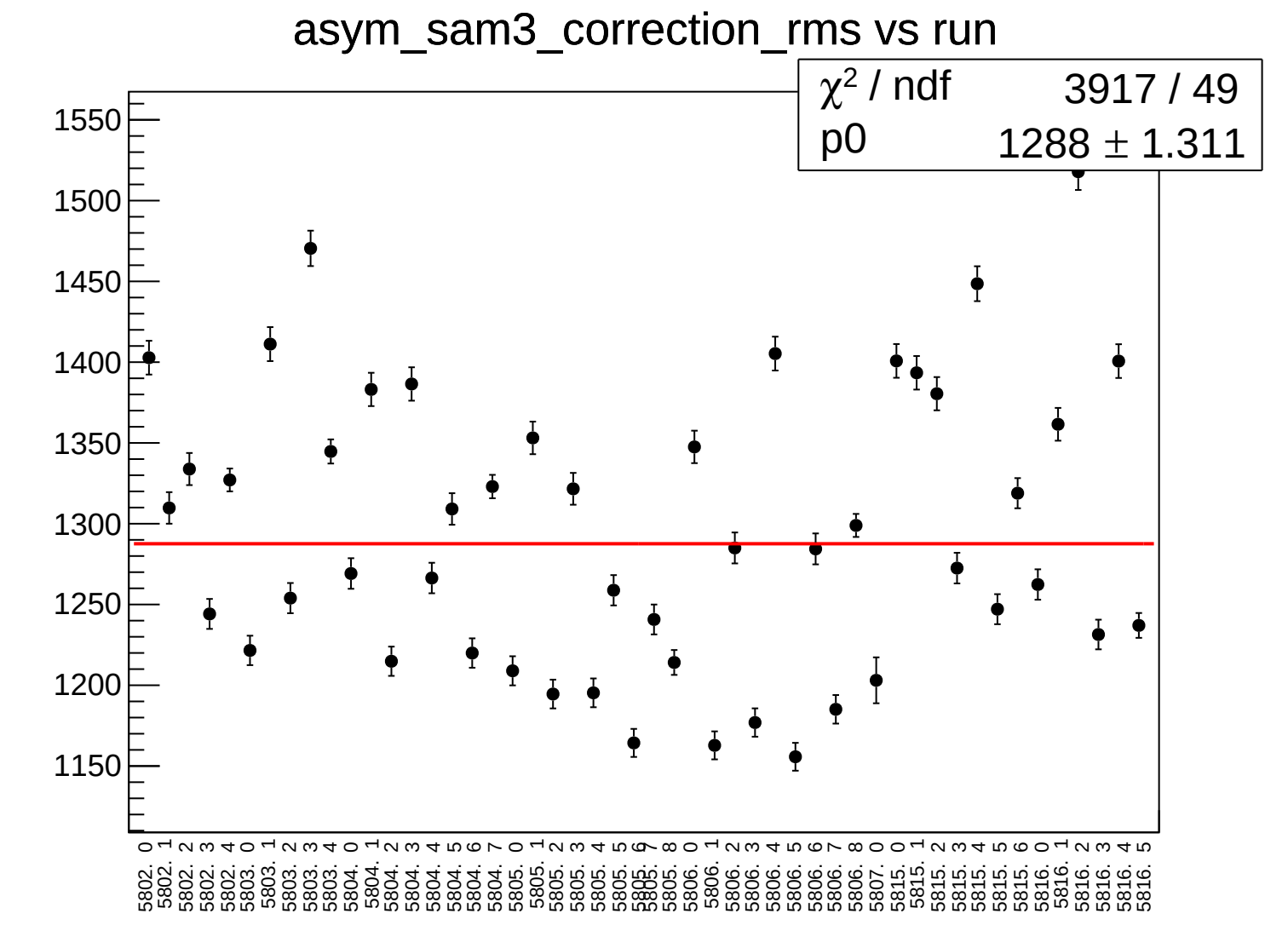

dit_asym_sam3_mean vs run
χ² / ndf 64.06 / 49
p0 49.19 ± 154.3
4000
2000
0
−2000
−4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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 −78.4
Std Dev 95.82
2
1
0
−1
−2
−3

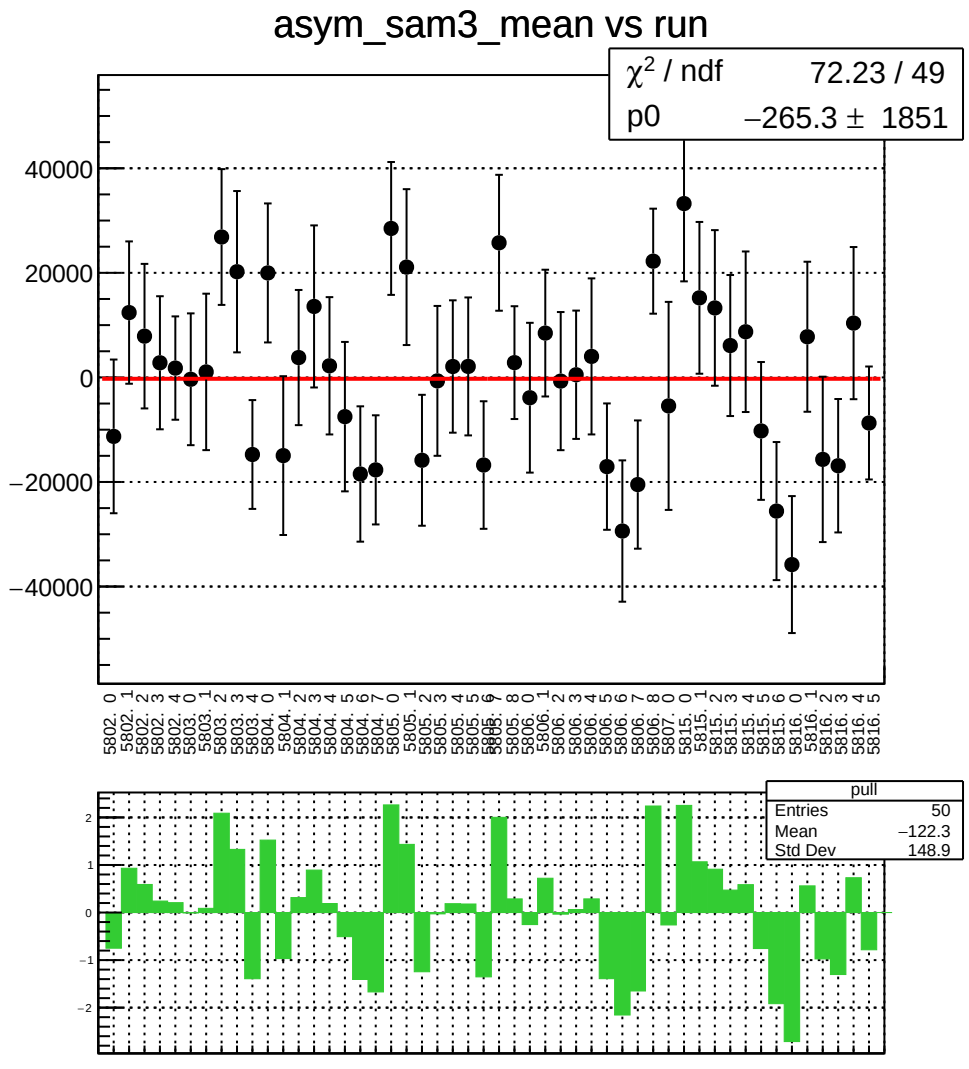

pull1D
Entries 50
Mean −0.02394
Std Dev 1.132
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

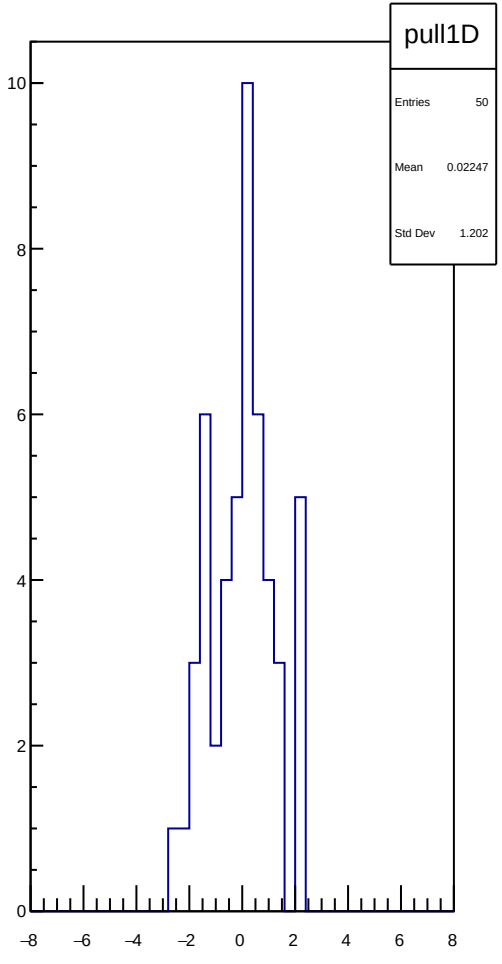

dit_asym_sam3_rms vs run
χ² / ndf 7201 / 49
p0 107 ± 0.1091
160
150
140
130
120
110
100
90
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

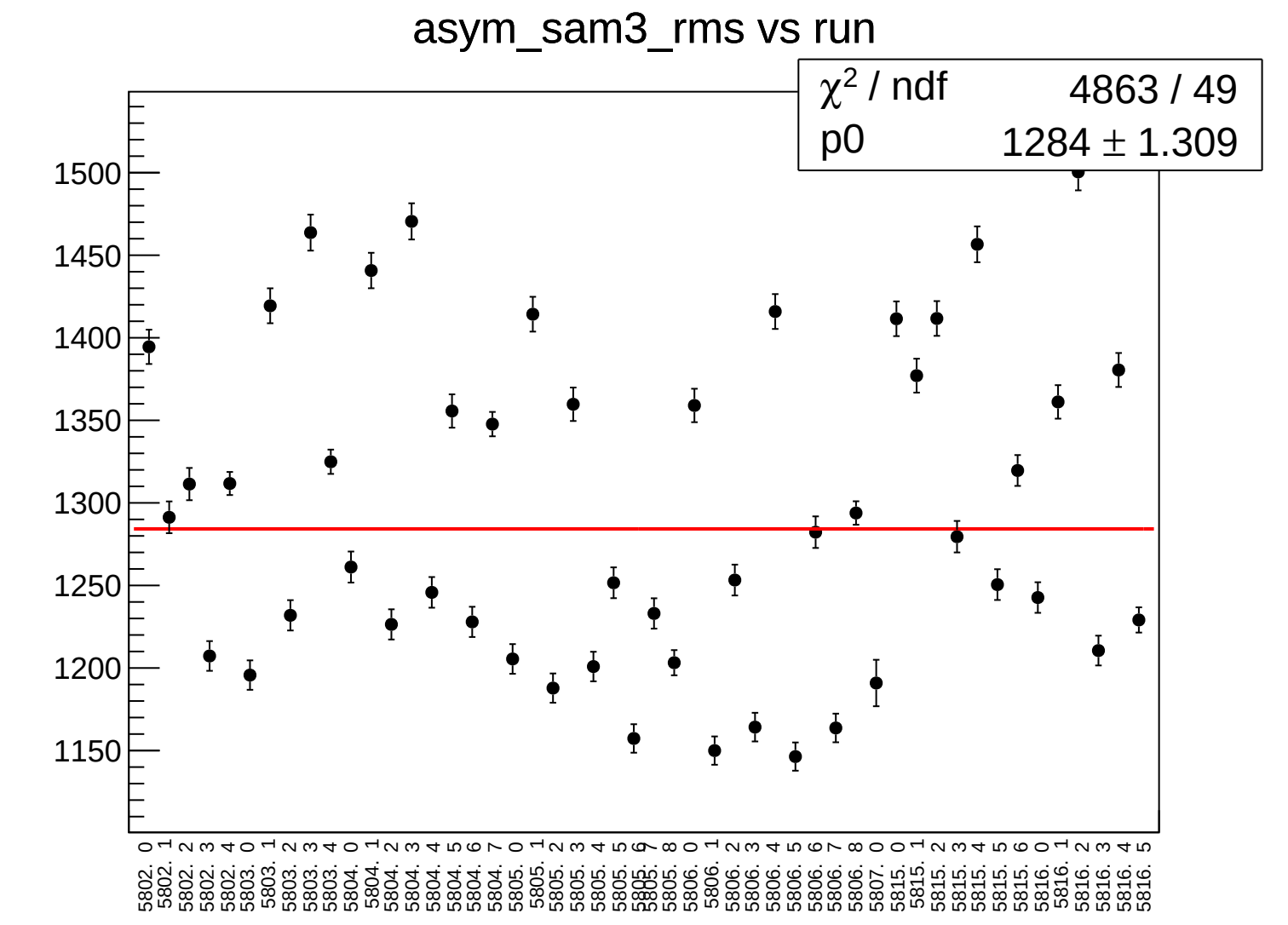

asym_sam3_correction_mean vs run
χ² / ndf 71.92 / 49
p0 288.3 ± 1854
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −120.1
Std Dev 146.2
2
1
0
−1
−2

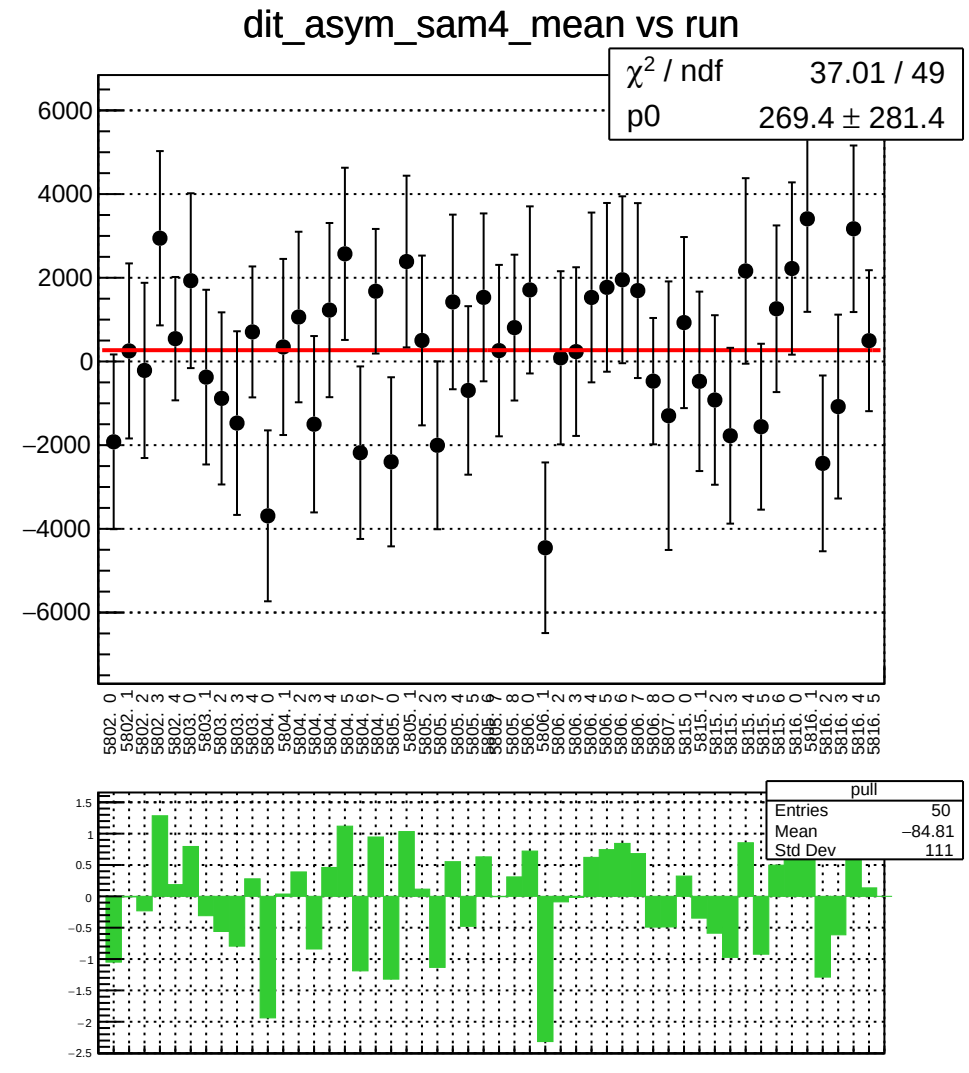

pull1D
Entries 50
Mean −0.02362
Std Dev 1.199
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

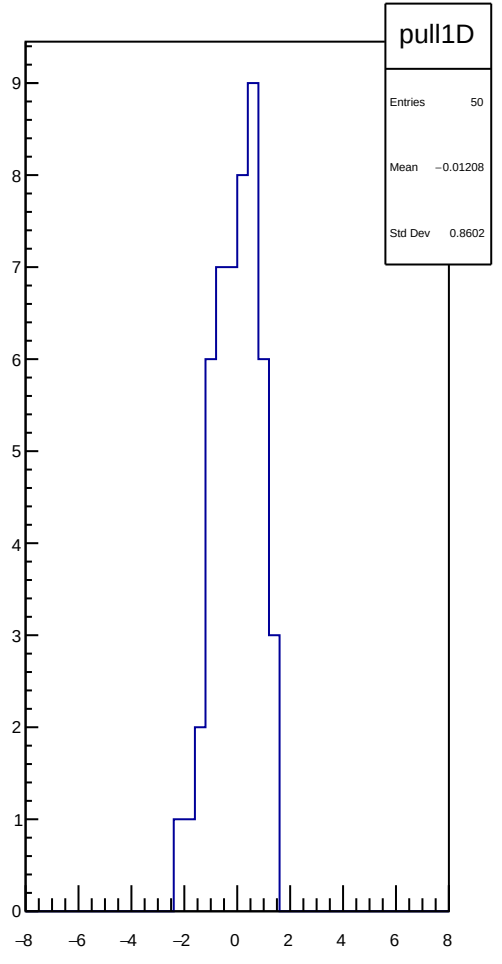

asym_sam3_correction_rms vs run
χ² / ndf 3917 / 49
p0 1288 ± 1.311
1550
1500
1450
1400
1350
1300
1250
1200
1150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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

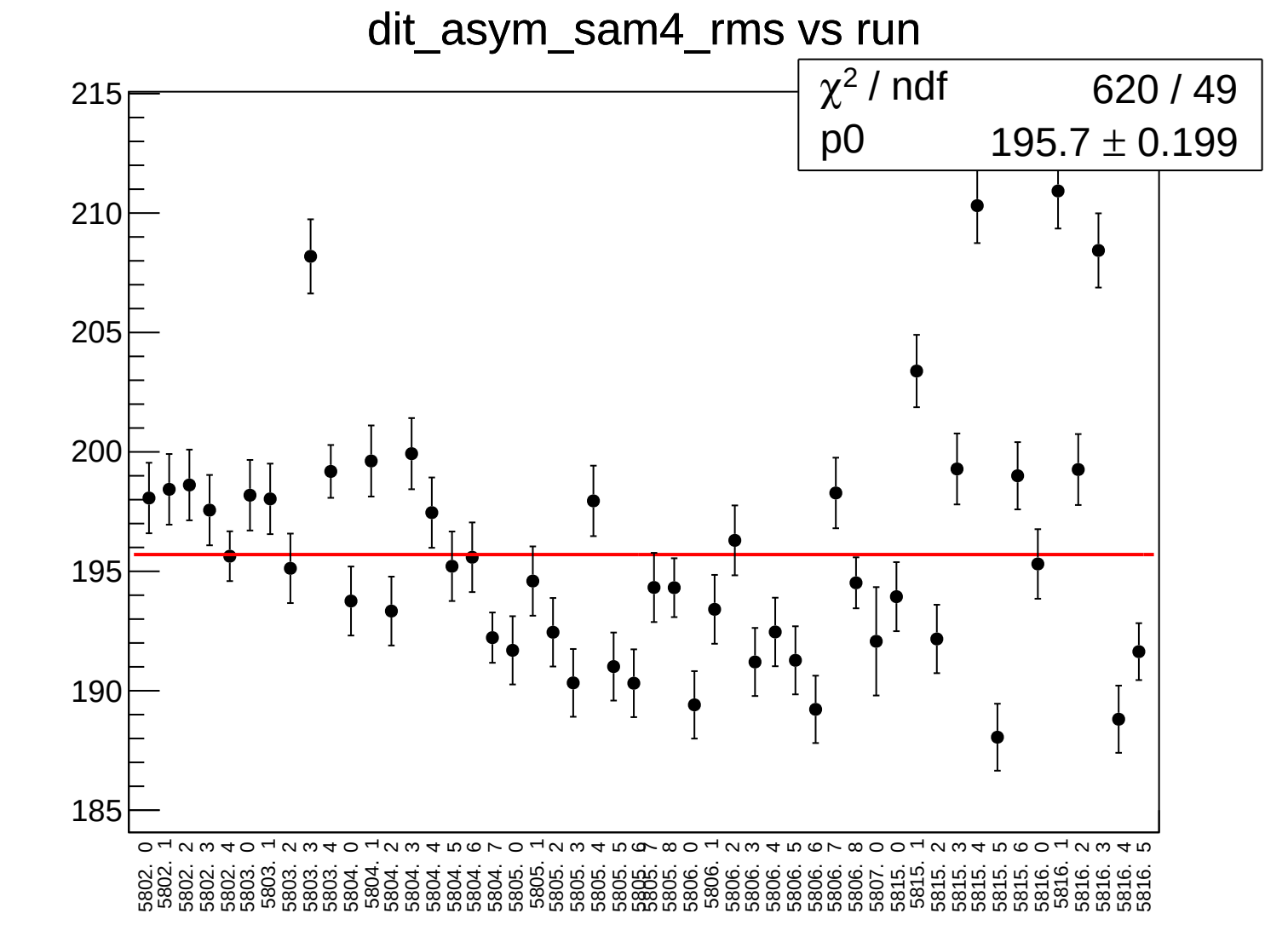

asym_sam3_mean vs run
χ² / ndf 72.23 / 49
p0 −265.3 ± 1851
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −122.3
Std Dev 148.9
2
1
0
−1
−2

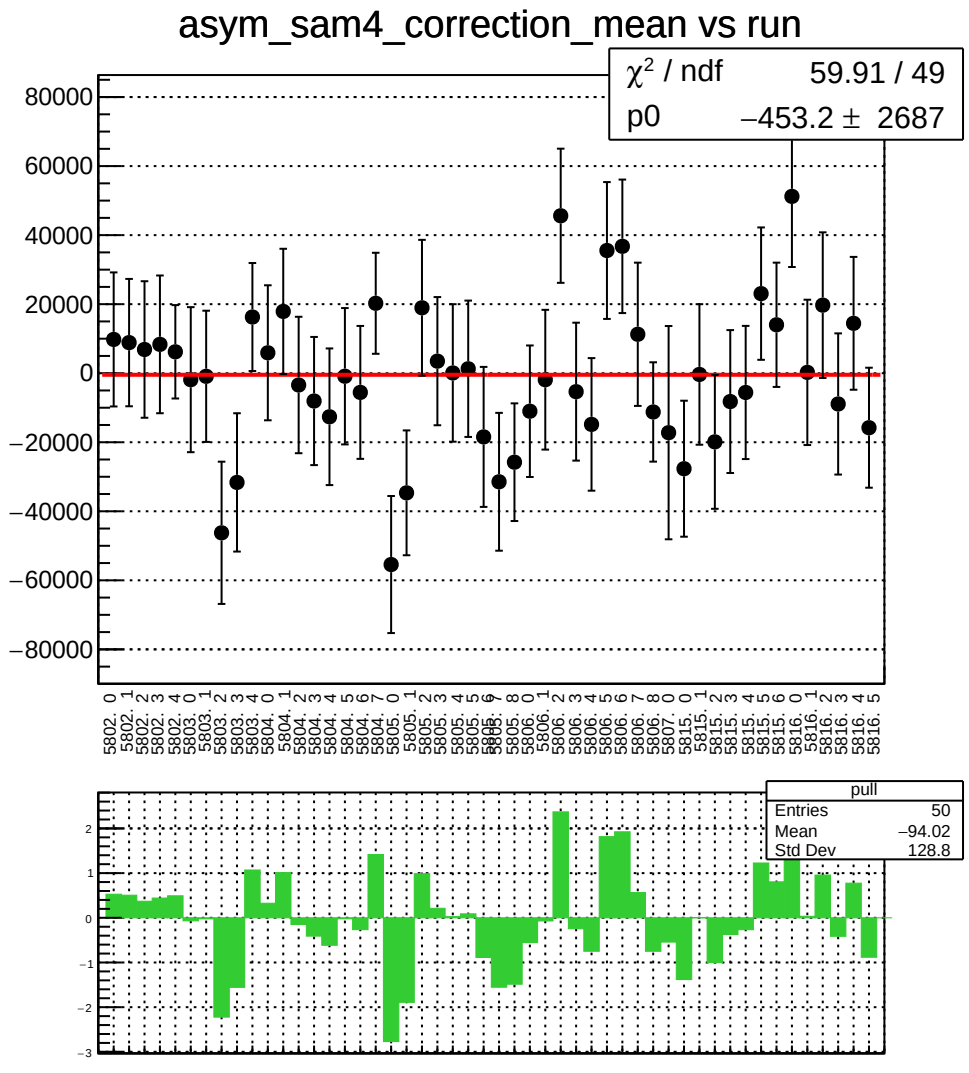

pull1D
Entries 50
Mean 0.02247
Std Dev 1.202
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

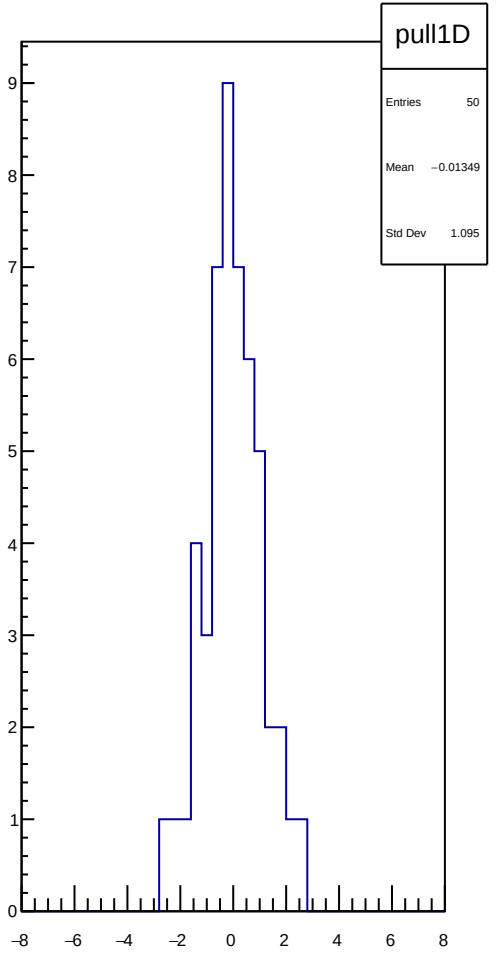

asym_sam3_rms vs run
χ² / ndf 4863 / 49
p0 1284 ± 1.309
1500
1450
1400
1350
1300
1250
1200
1150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805.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

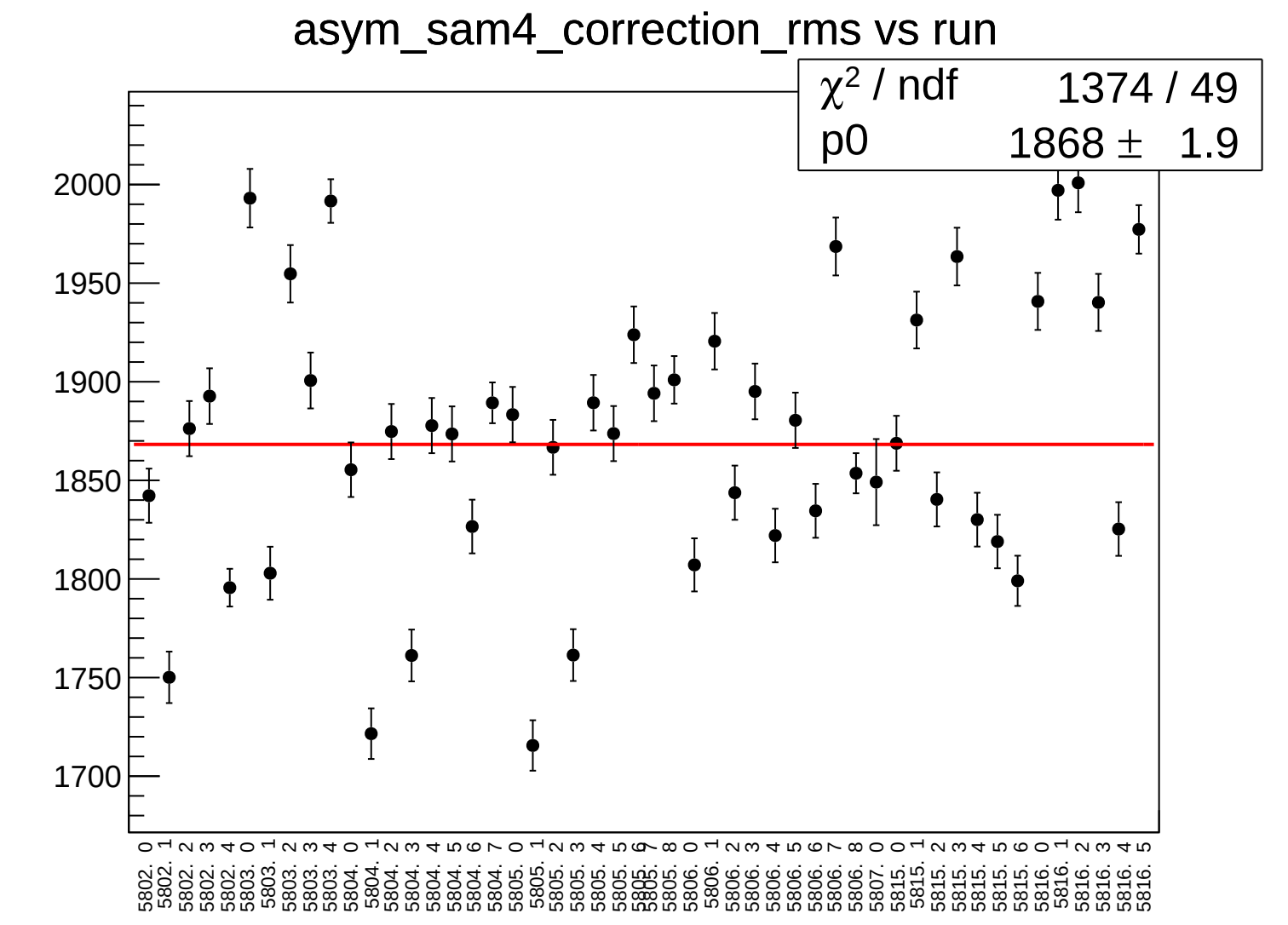

dit_asym_sam4_mean vs run
χ^2 / ndf 37.01 / 49
p0 269.4 ± 281.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −84.81
Std Dev 111
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

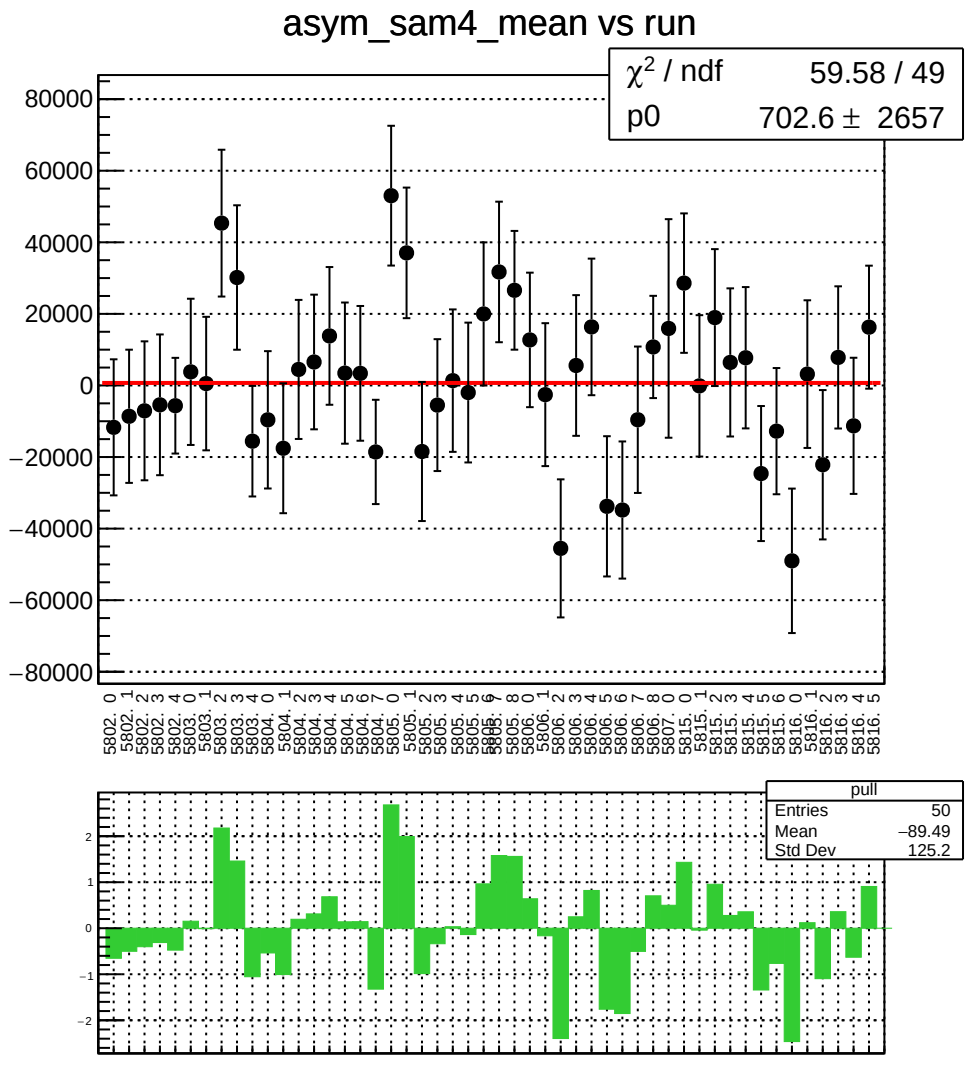

pull1D
Entries 50
Mean −0.01208
Std Dev 0.8602
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

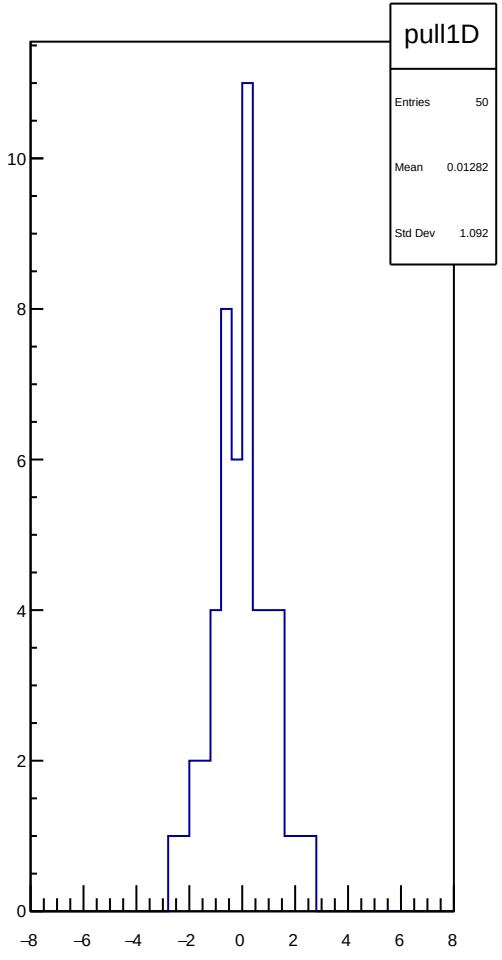

dit_asym_sam4_rms vs run
χ² / ndf 620 / 49
p0 195.7 ± 0.199
215
210
205
200
195
190
185
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

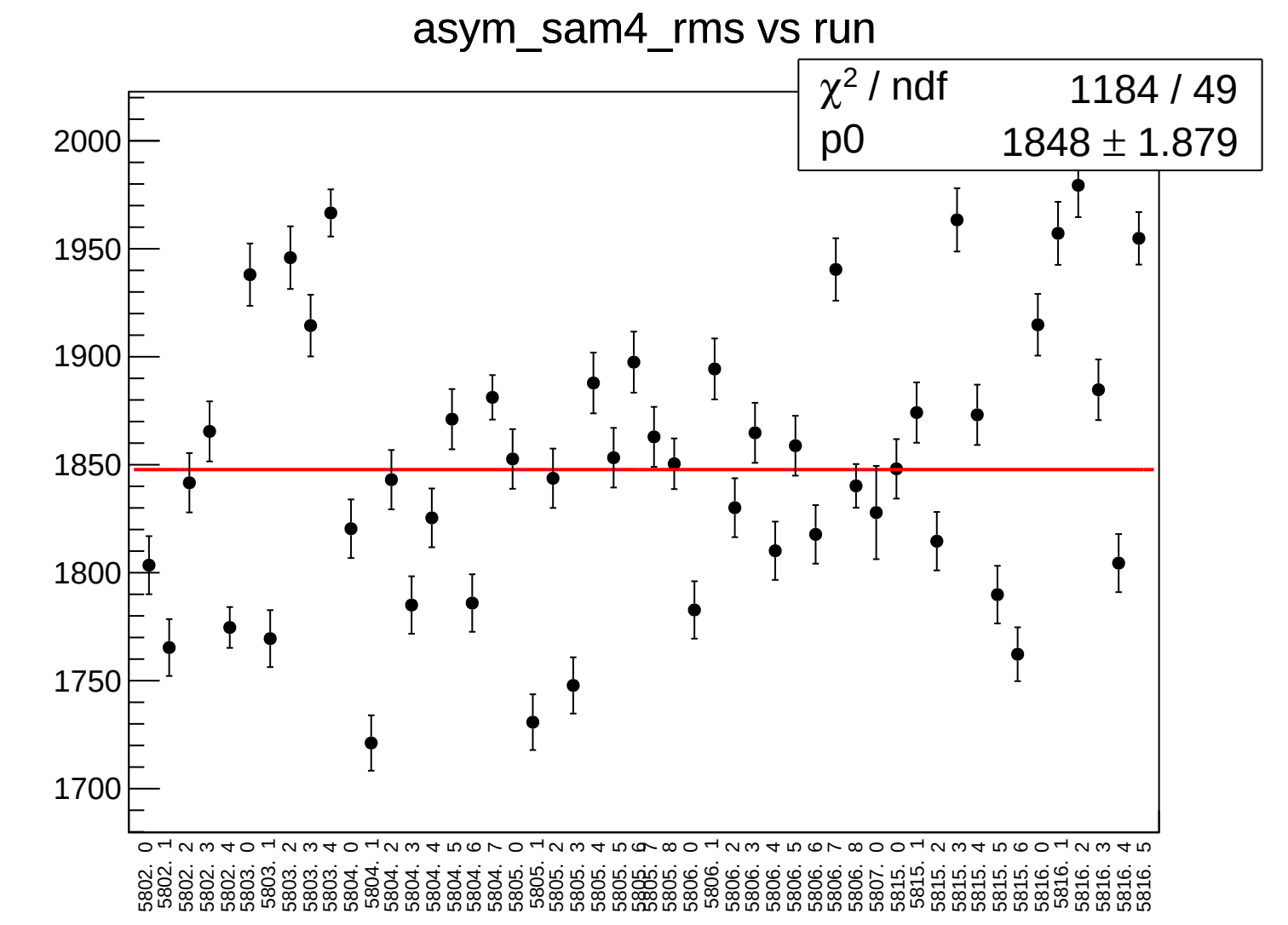

asym_sam4_correction_mean vs run
χ² / ndf 59.91 / 49
p0 −453.2 ± 2687
pull
Entries 50
Mean −94.02
Std Dev 128.8

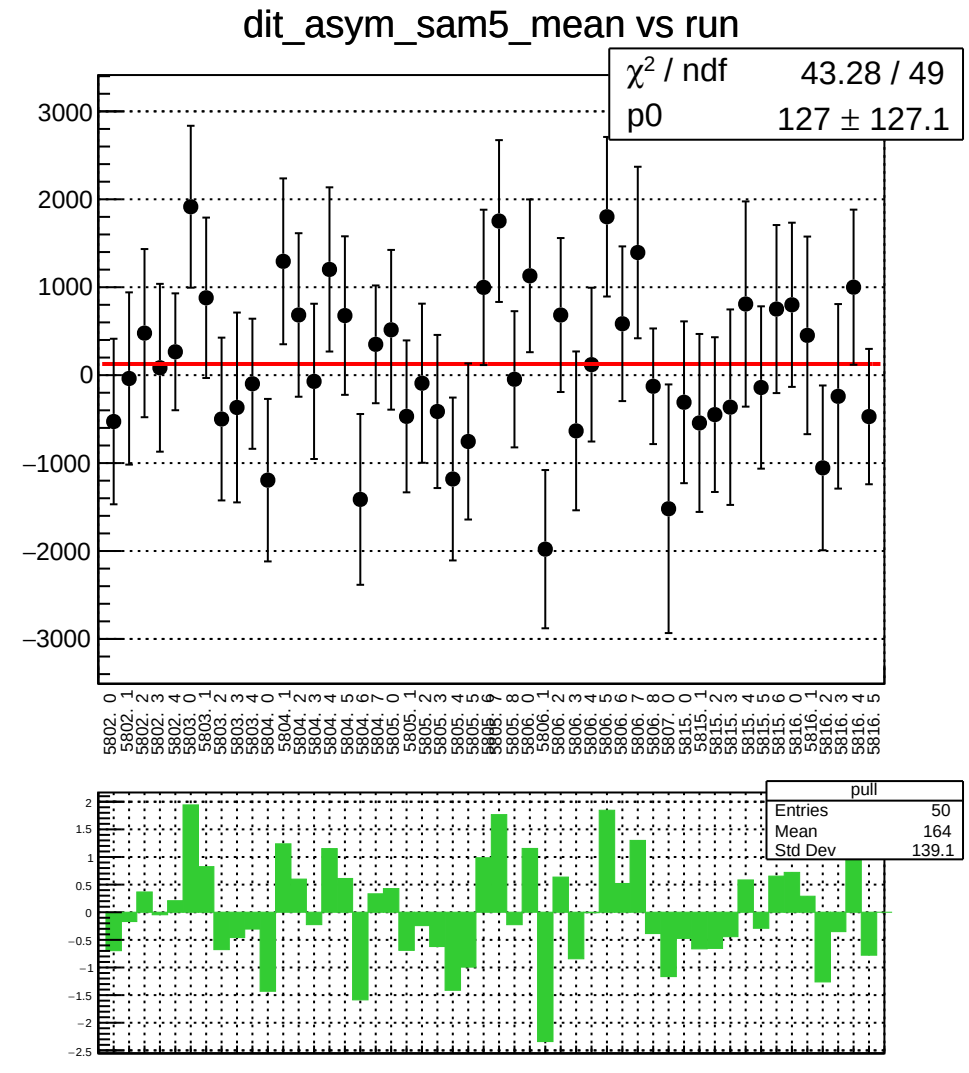

pull1D
Entries 50
Mean −0.01349
Std Dev 1.095

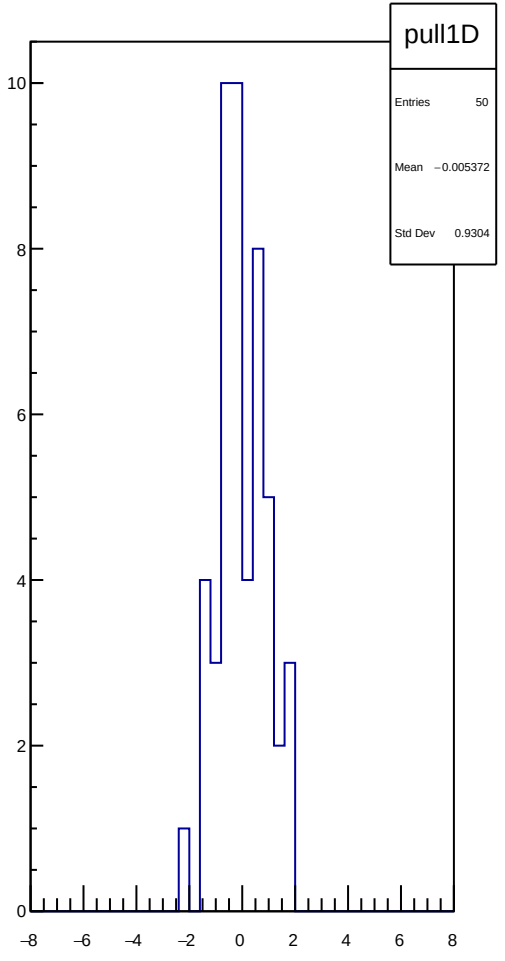

asym_sam4_correction_rms vs run
χ² / ndf 1374 / 49
p0 1868 ± 1.9
2000
1950
1900
1850
1800
1750
1700
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

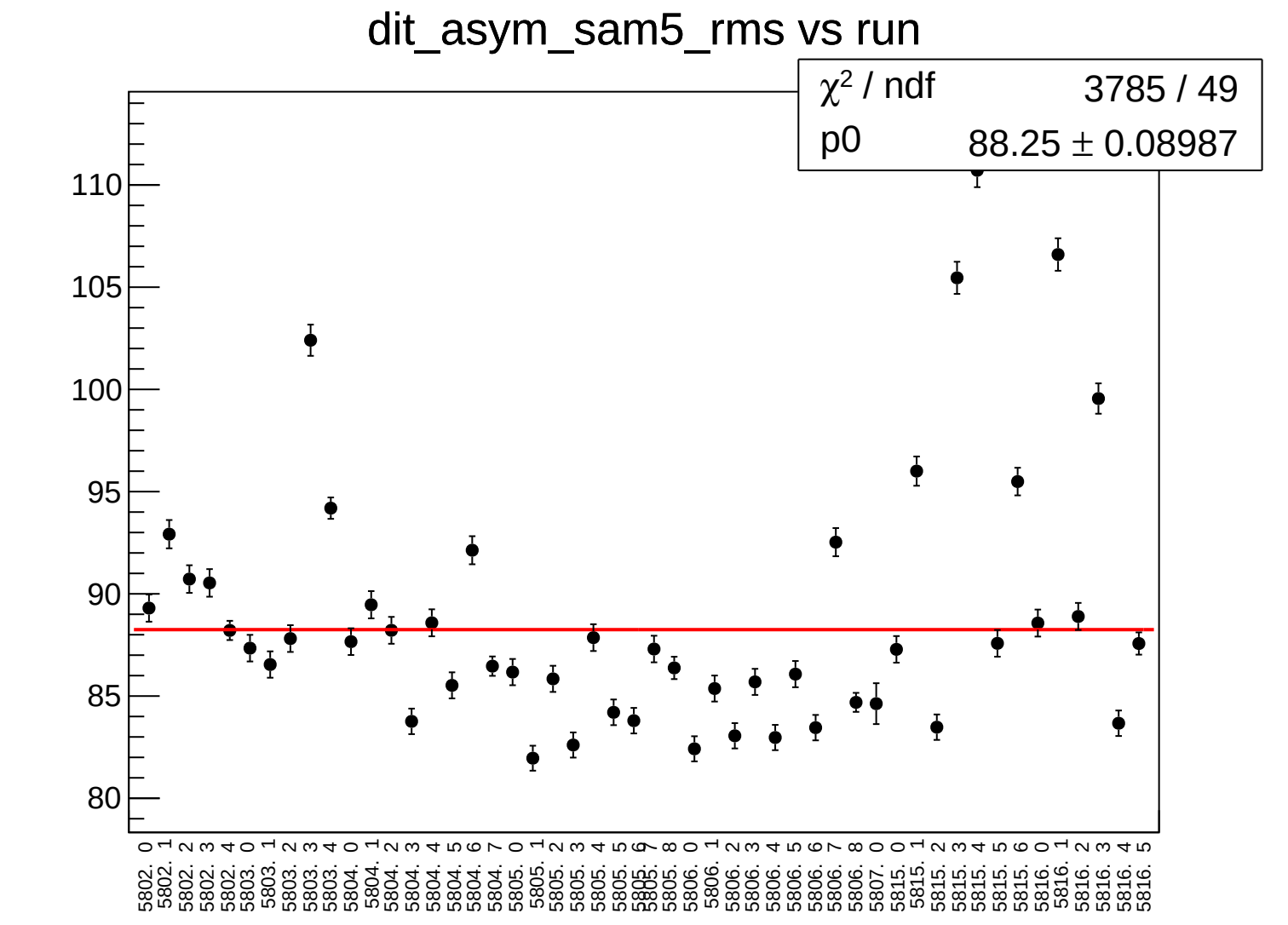

asym_sam4_mean vs run
χ² / ndf 59.58 / 49
p0 702.6 ± 2657
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −89.49
Std Dev 125.2
2
1
0
−1
−2

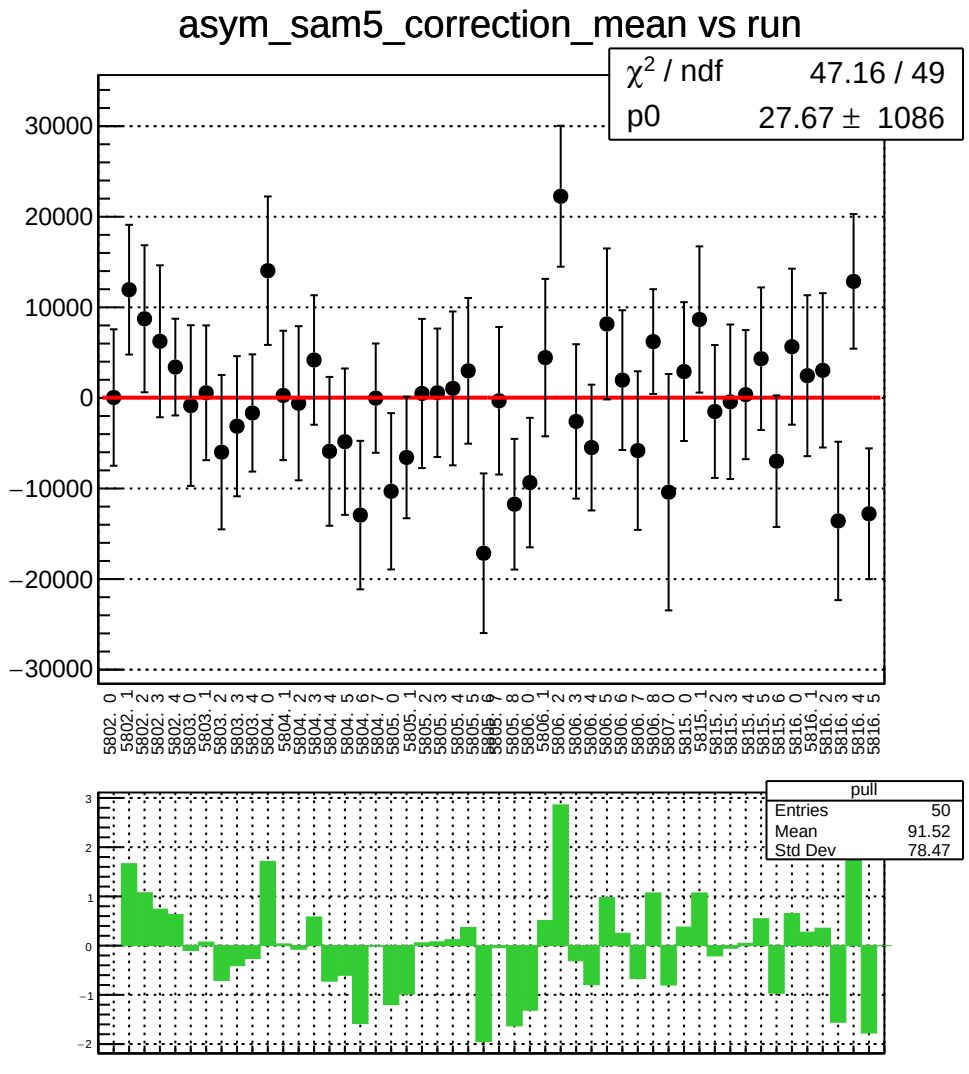

pull1D
Entries 50
Mean 0.01282
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

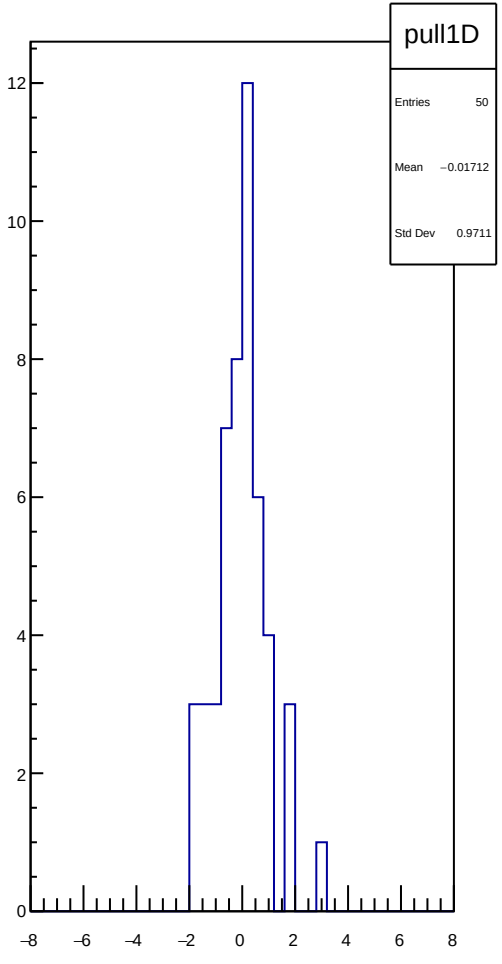

asym_sam4_rms vs run
χ² / ndf 1184 / 49
p0 1848 ± 1.879
2000
1950
1900
1850
1800
1750
1700
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805.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

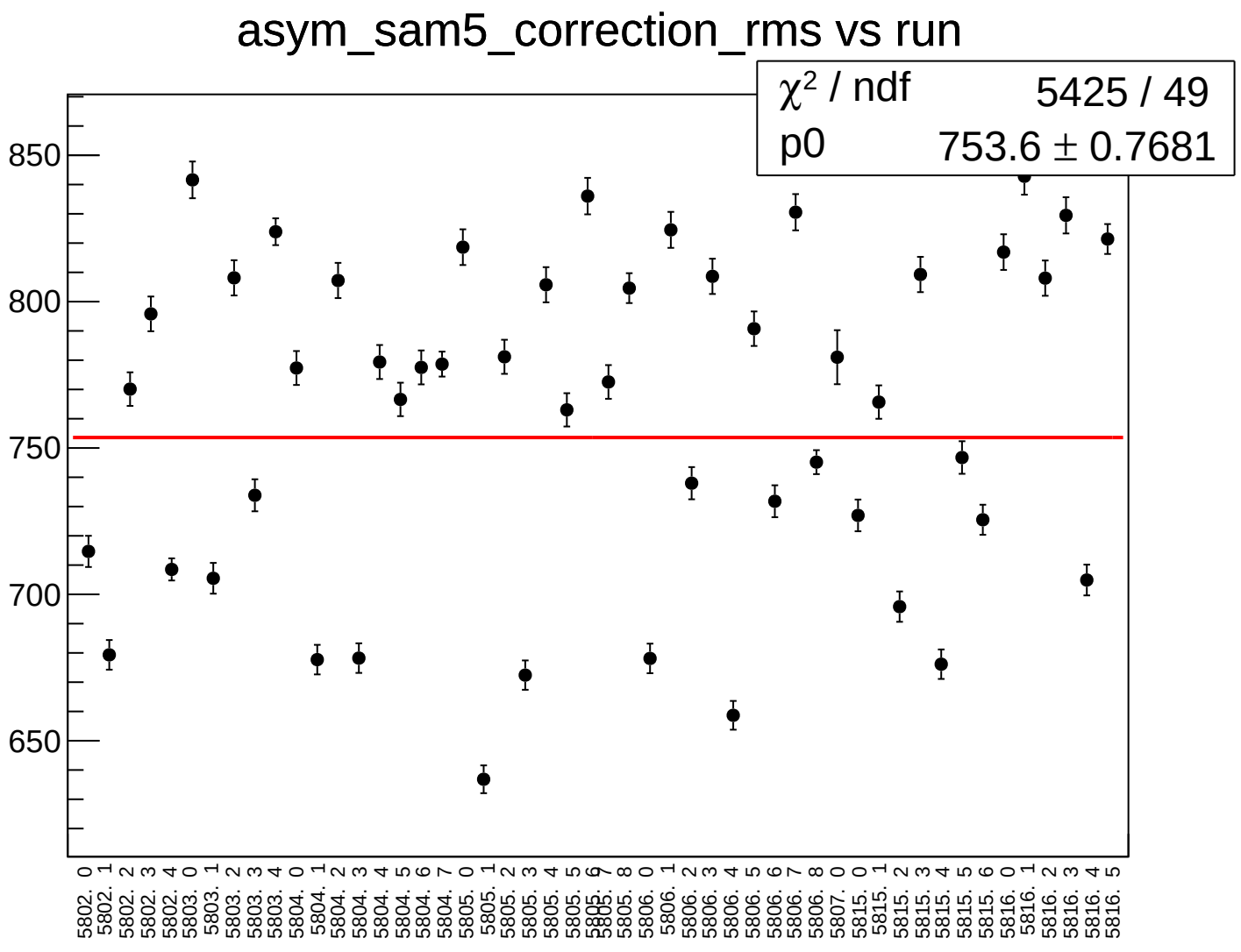

dit_asym_sam5_mean vs run
χ² / ndf 43.28 / 49
p0 127 ± 127.1
pull
Entries 50
Mean 164
Std Dev 139.1

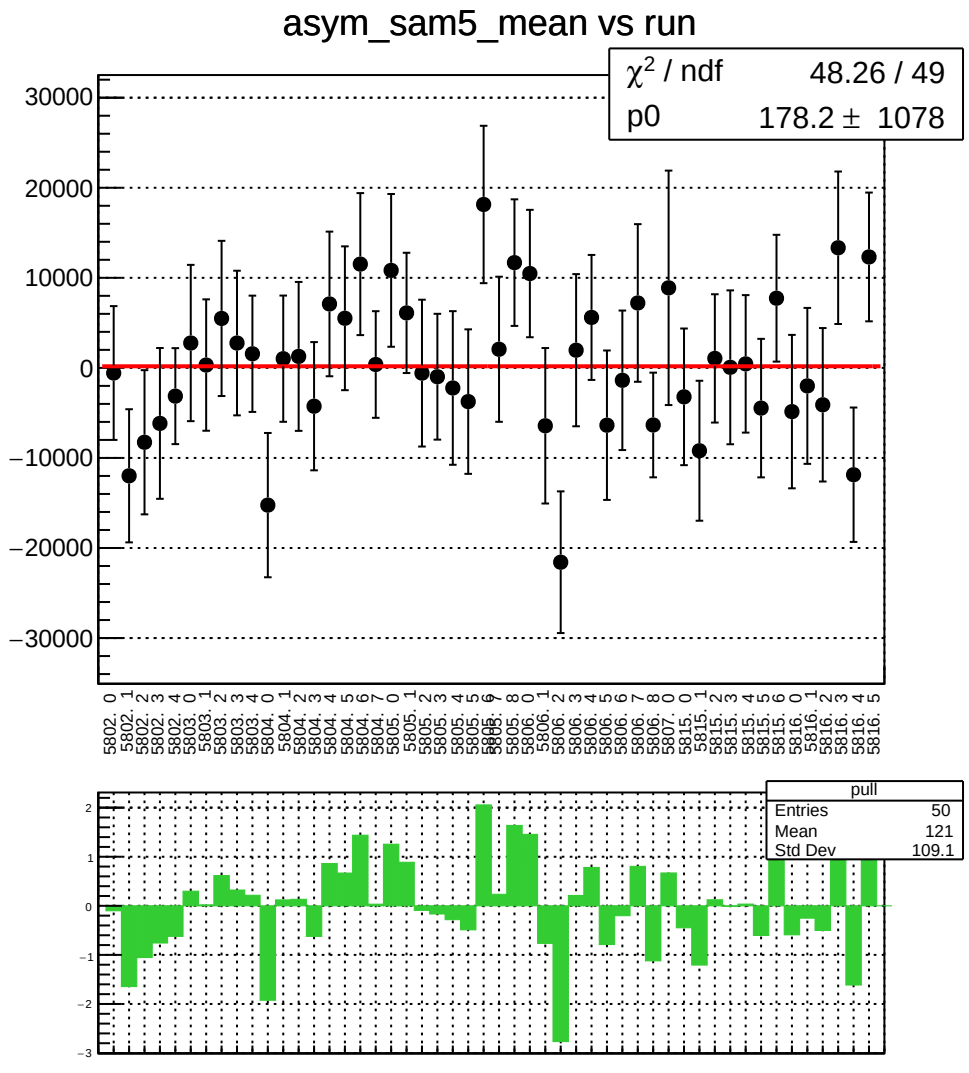

pull1D
Entries 50
Mean −0.005372
Std Dev 0.9304

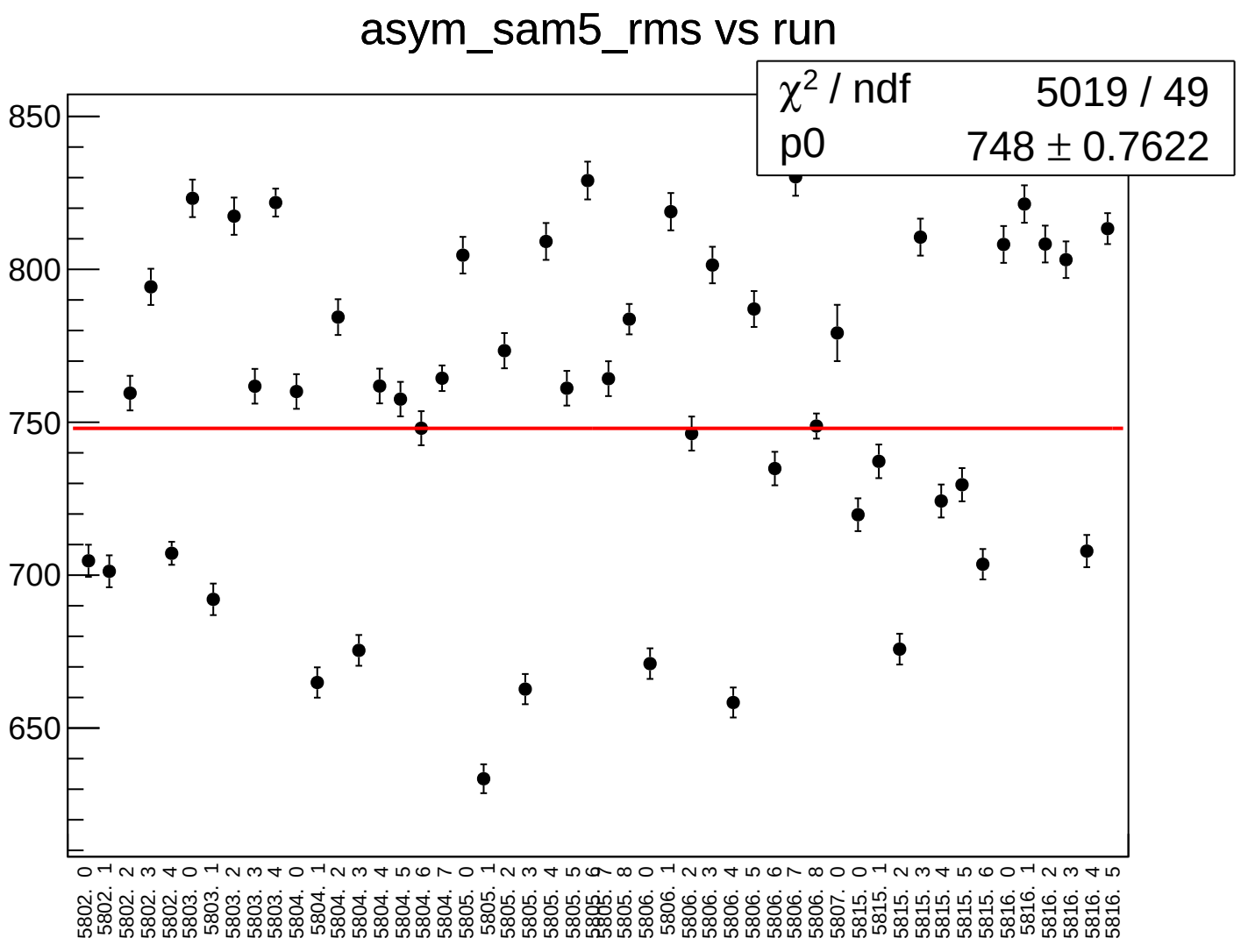

dit_asym_sam5_rms vs run
χ² / ndf 3785 / 49
p0 88.25 ± 0.08987
110
105
100
95
90
85
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

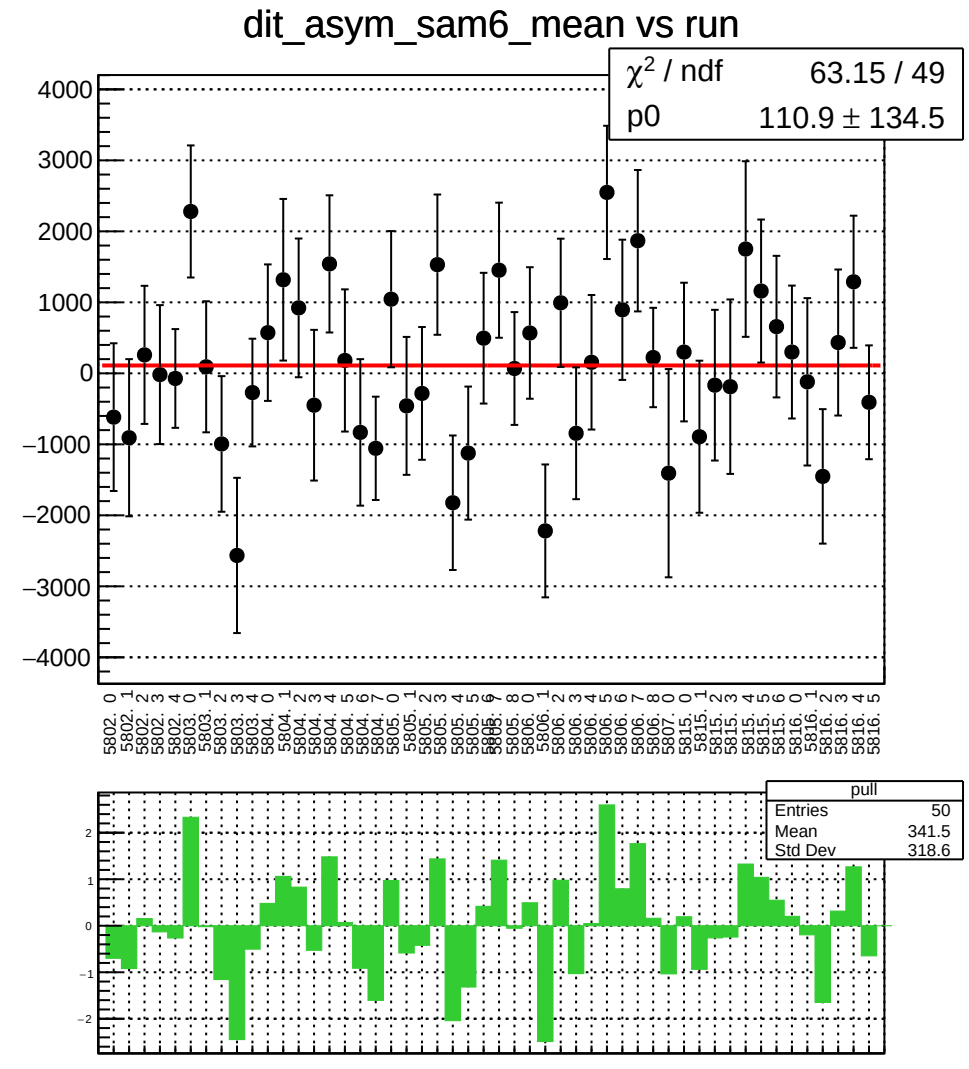

asym_sam5_correction_mean vs run
χ² / ndf 47.16 / 49
p0 27.67 ± 1086
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean 91.52
Std Dev 78.47
3
2
1
0
−1
−2

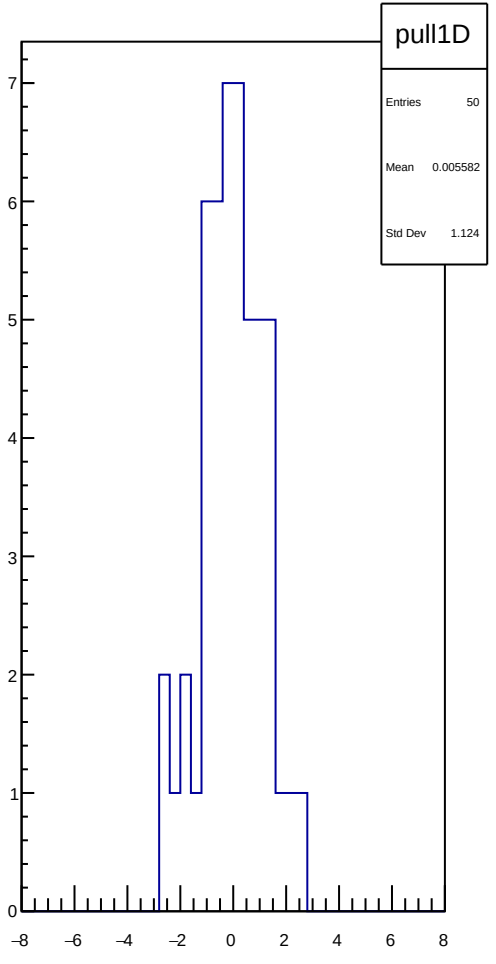

pull1D
Entries 50
Mean −0.01712
Std Dev 0.9711
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

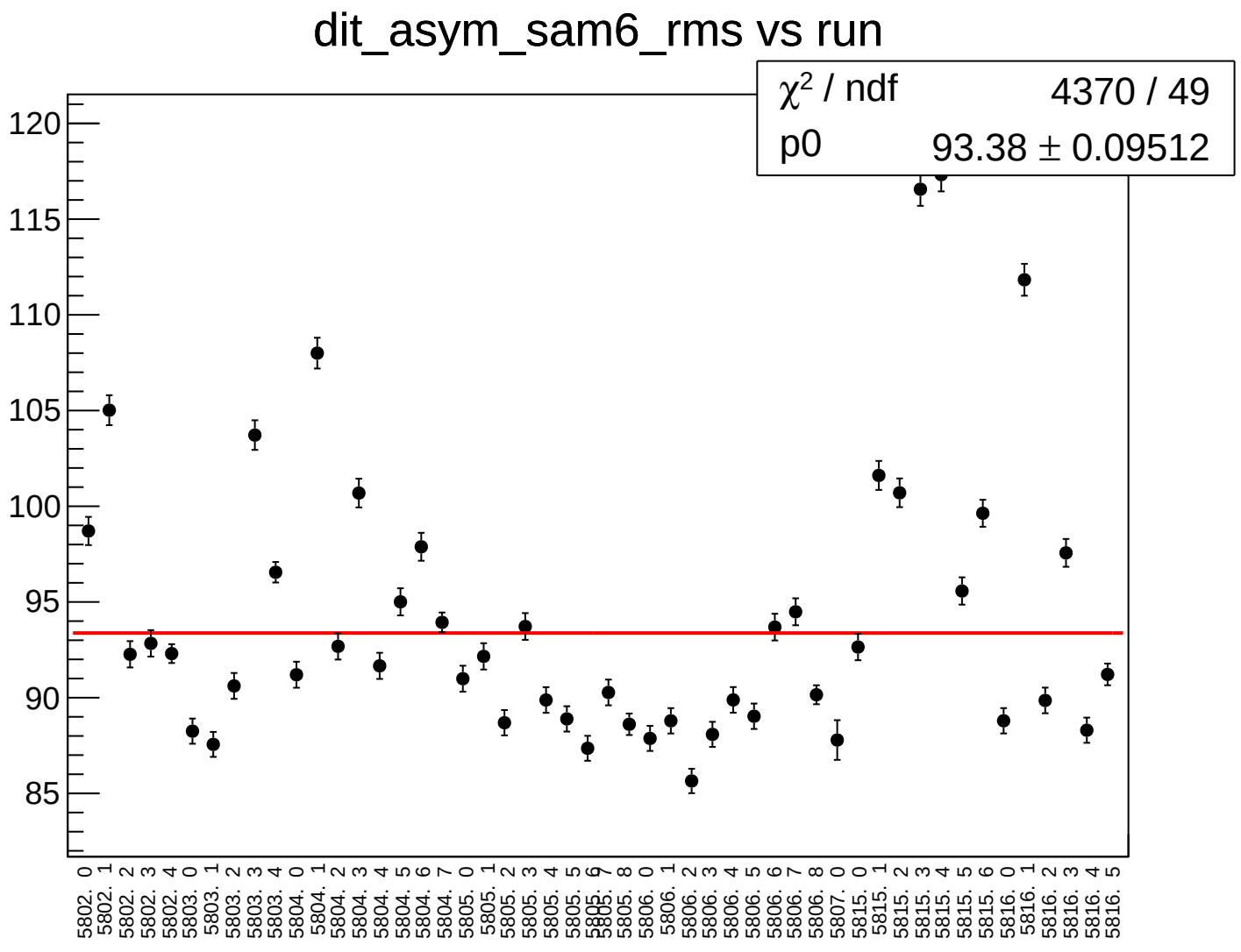

asym_sam5_correction_rms vs run
χ² / ndf 5425 / 49
p0 753.6 ± 0.7681
850
800
750
700
650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

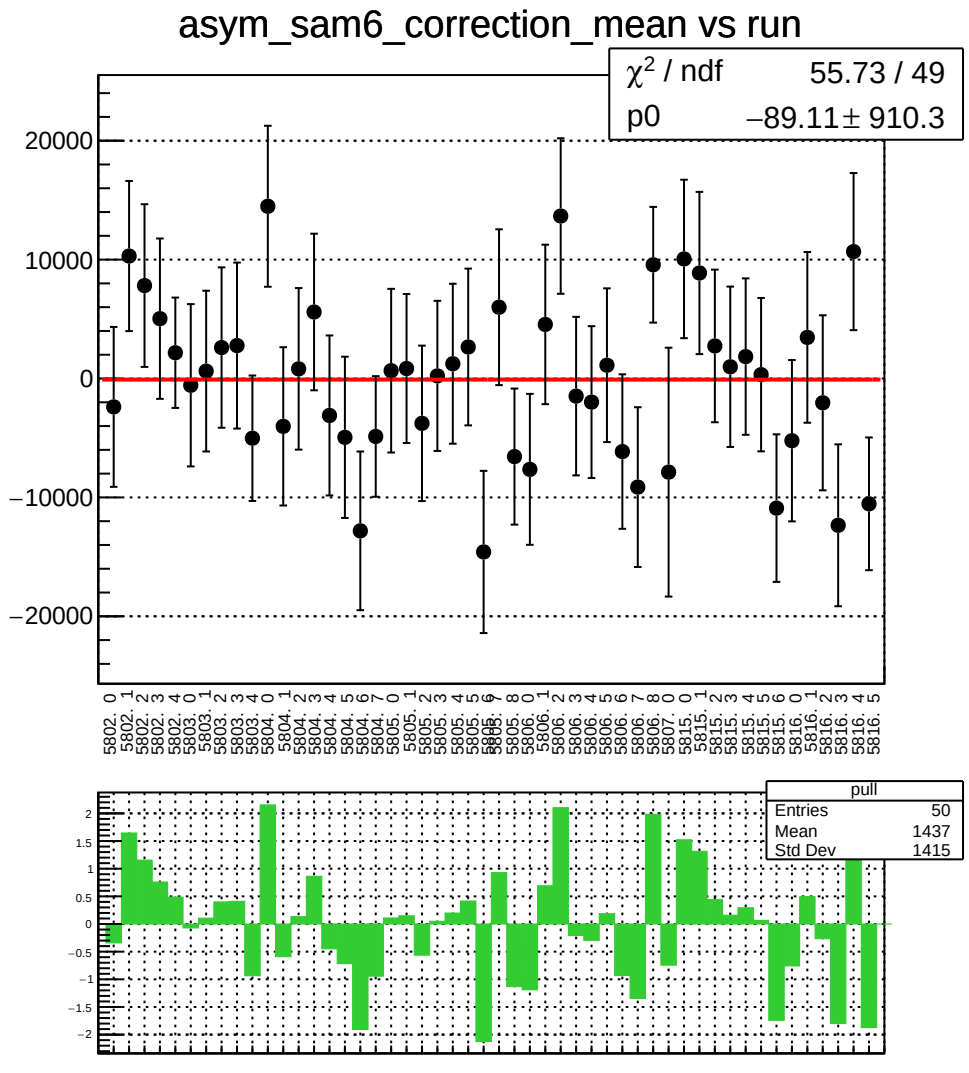

asym_sam5_mean vs run
χ² / ndf 48.26 / 49
p0 178.2 ± 1078
30000
20000
10000
0
−10000
−20000
−30000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

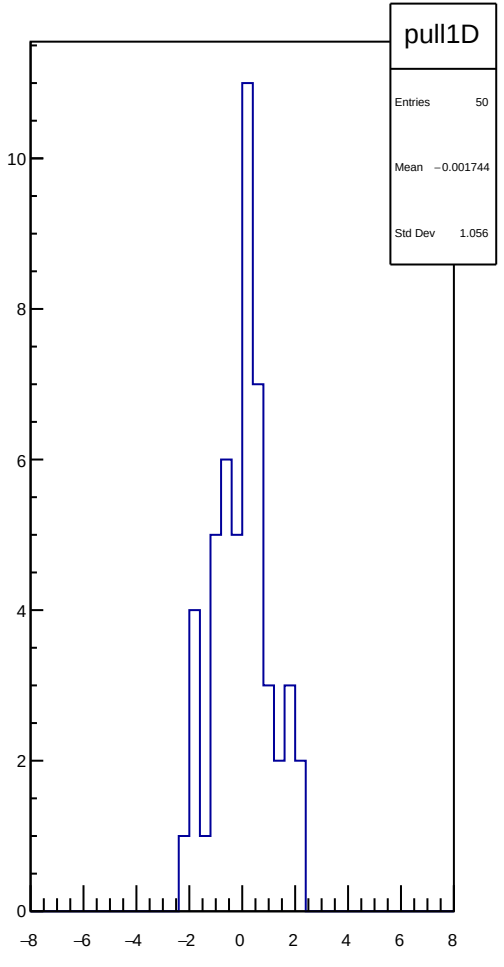

asym_sam5_rms vs run
χ² / ndf 5019 / 49
p0 748 ± 0.7622
850
800
750
700
650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806.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

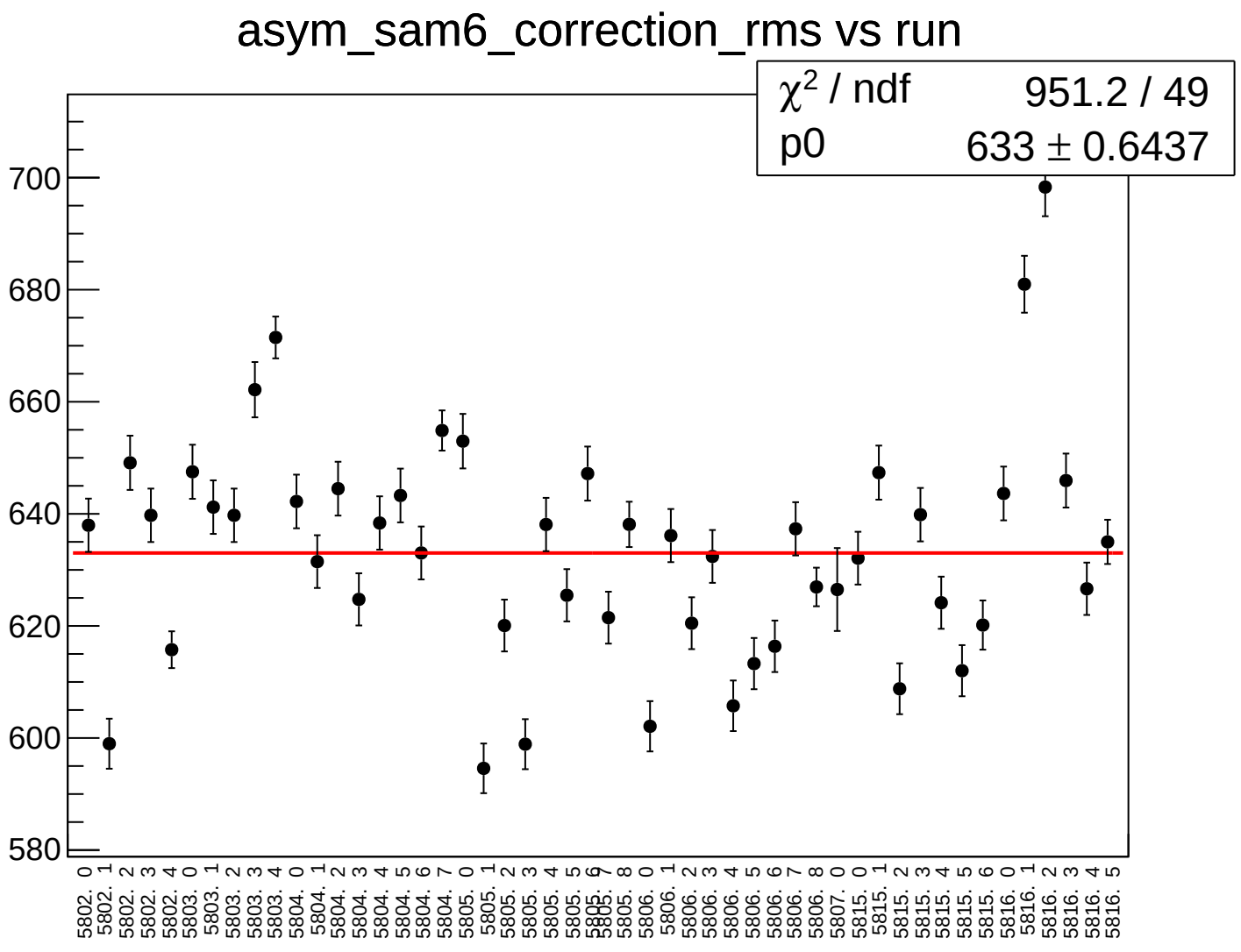

dit_asym_sam6_mean vs run
χ^2 / ndf 63.15 / 49
p0 110.9 ± 134.5
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 50
Mean 341.5
Std Dev 318.6
2
1
0
−1
−2

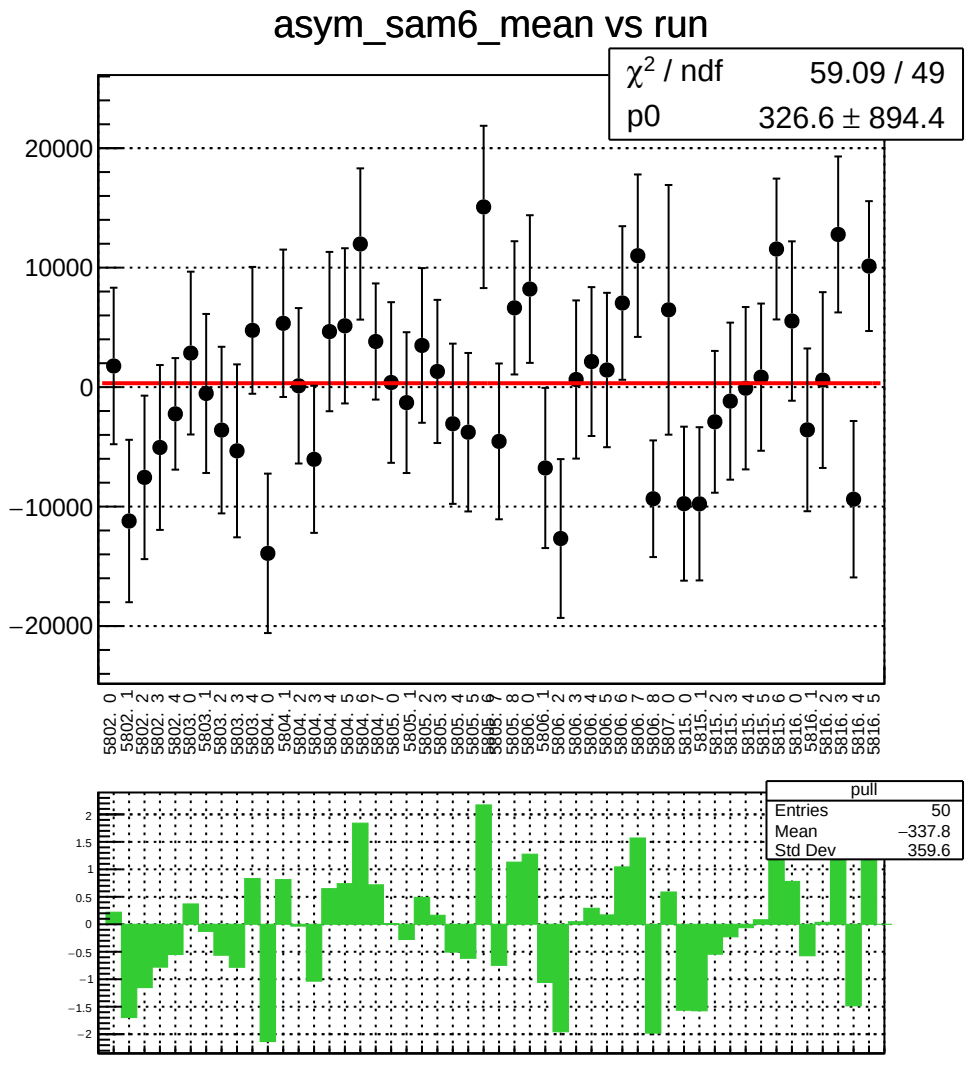

pull1D
Entries 50
Mean 0.005582
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

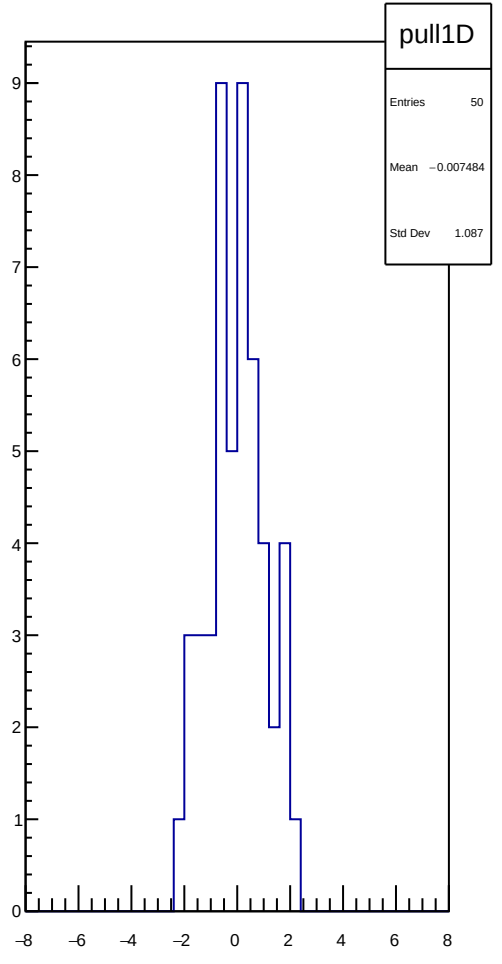

dit_asym_sam6_rms vs run
χ² / ndf 4370 / 49
p0 93.38 ± 0.09512
120
115
110
105
100
95
90
85
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

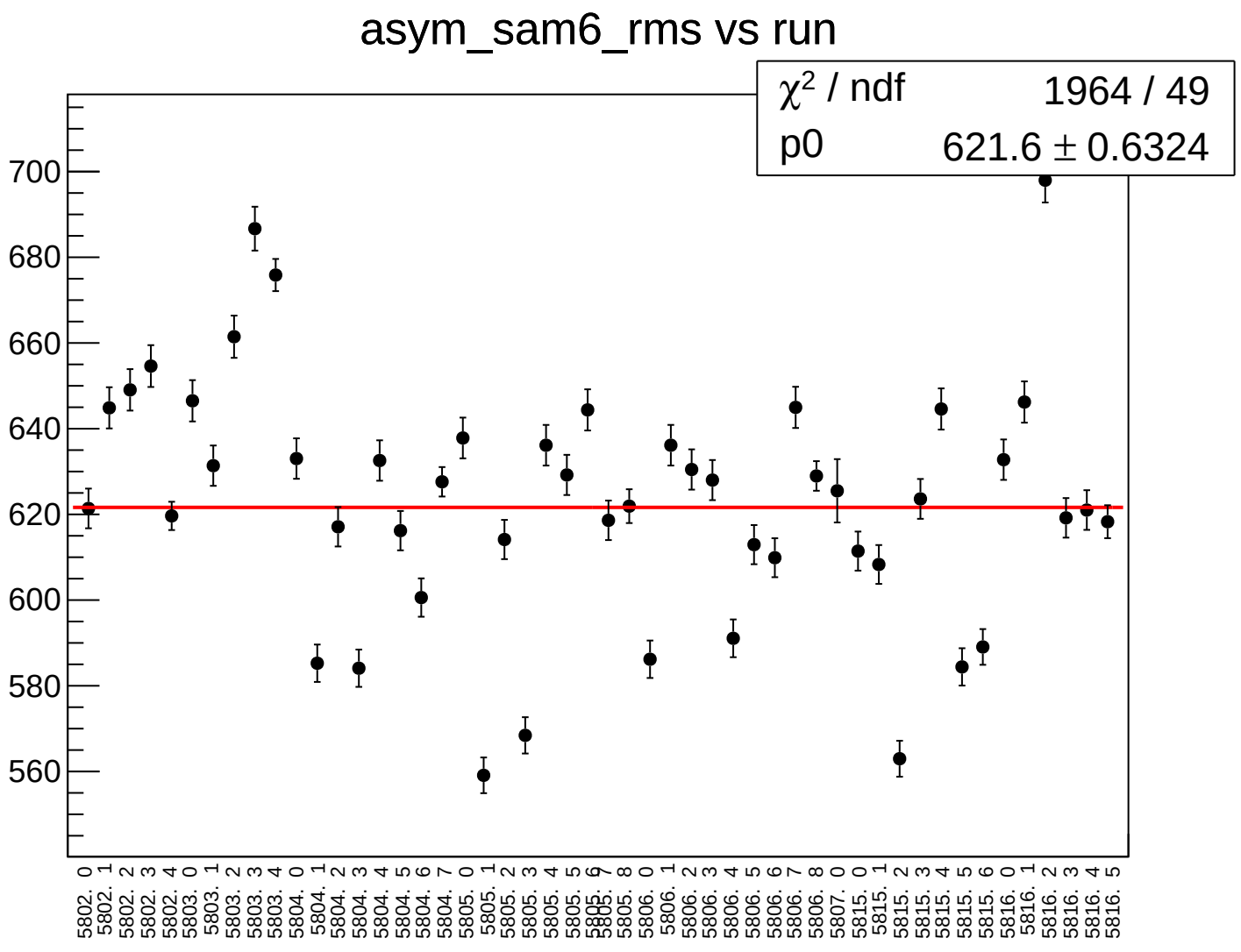

asym_sam6_correction_mean vs run
χ² / ndf 55.73 / 49
p0 −89.11 ± 910.3
20000
10000
0
−10000
−20000
pull
Entries 50
Mean 1437
Std Dev 1415
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

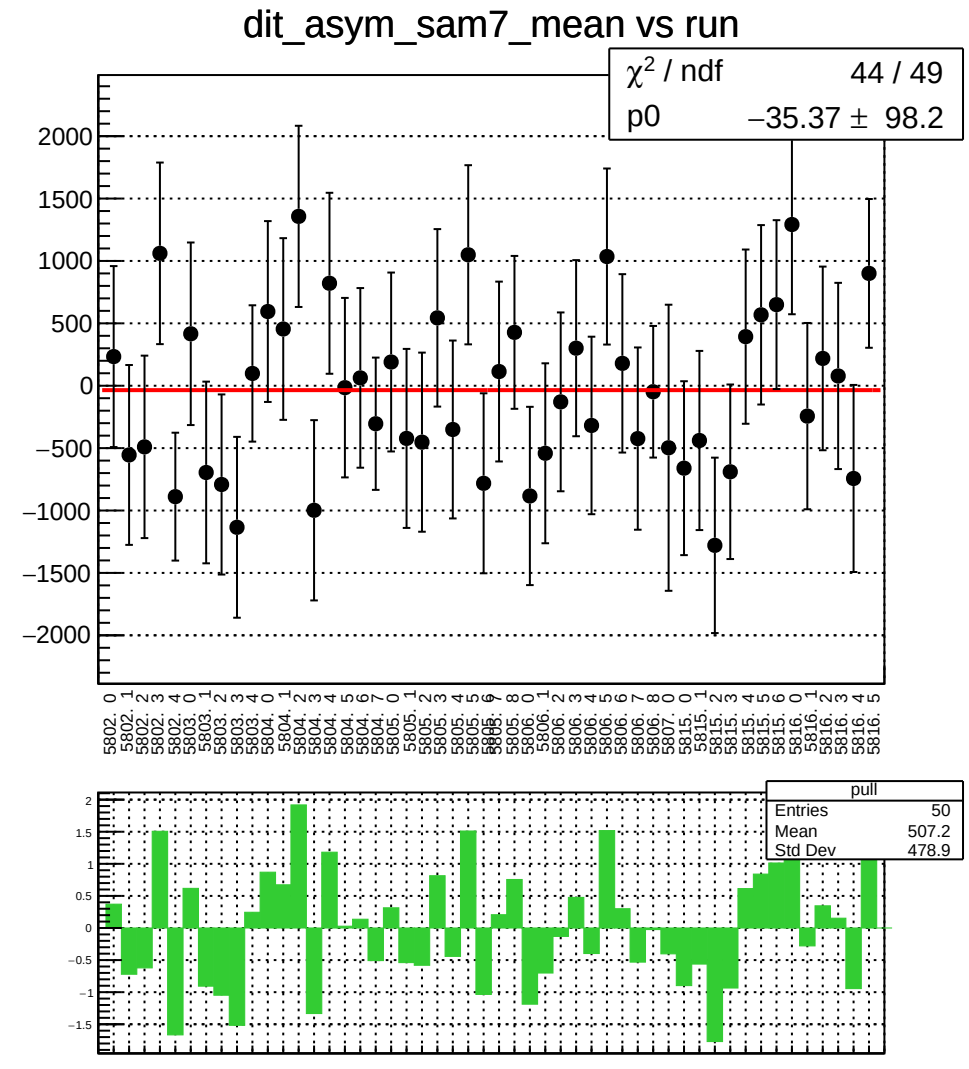

pull1D
Entries 50
Mean −0.001744
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

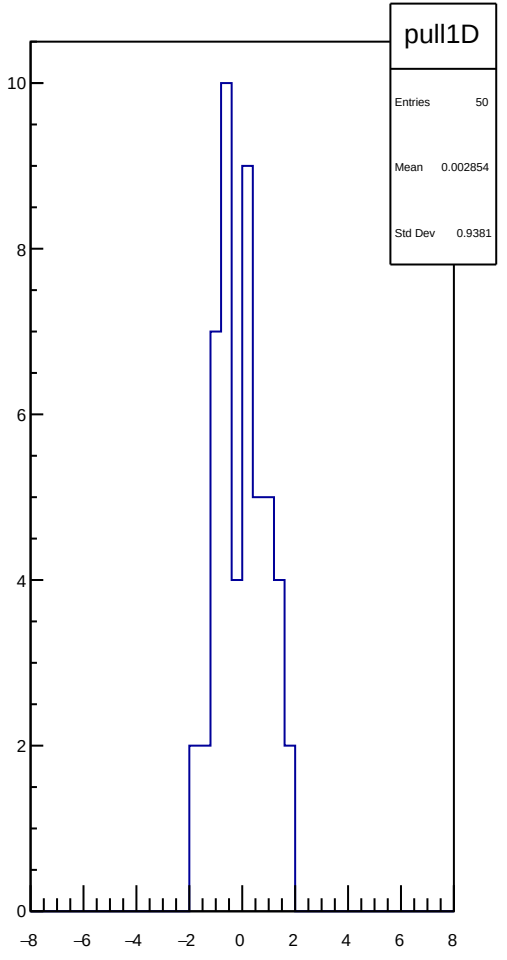

asym_sam6_correction_rms vs run
χ² / ndf 951.2 / 49
p0 633 ± 0.6437
700
680
660
640
620
600
580
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

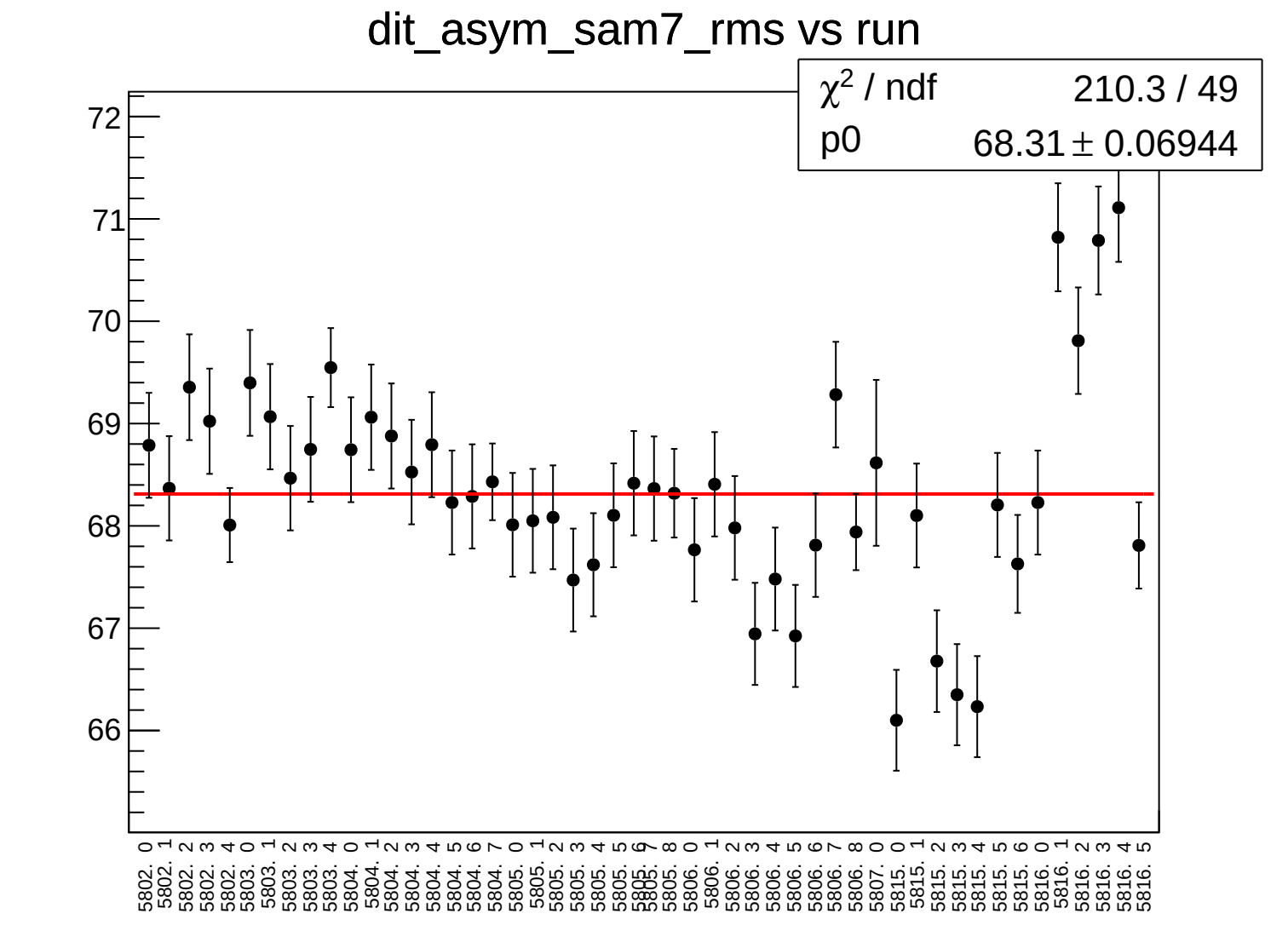

asym_sam6_mean vs run
χ² / ndf 59.09 / 49
p0 326.6 ± 894.4
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −337.8
Std Dev 359.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

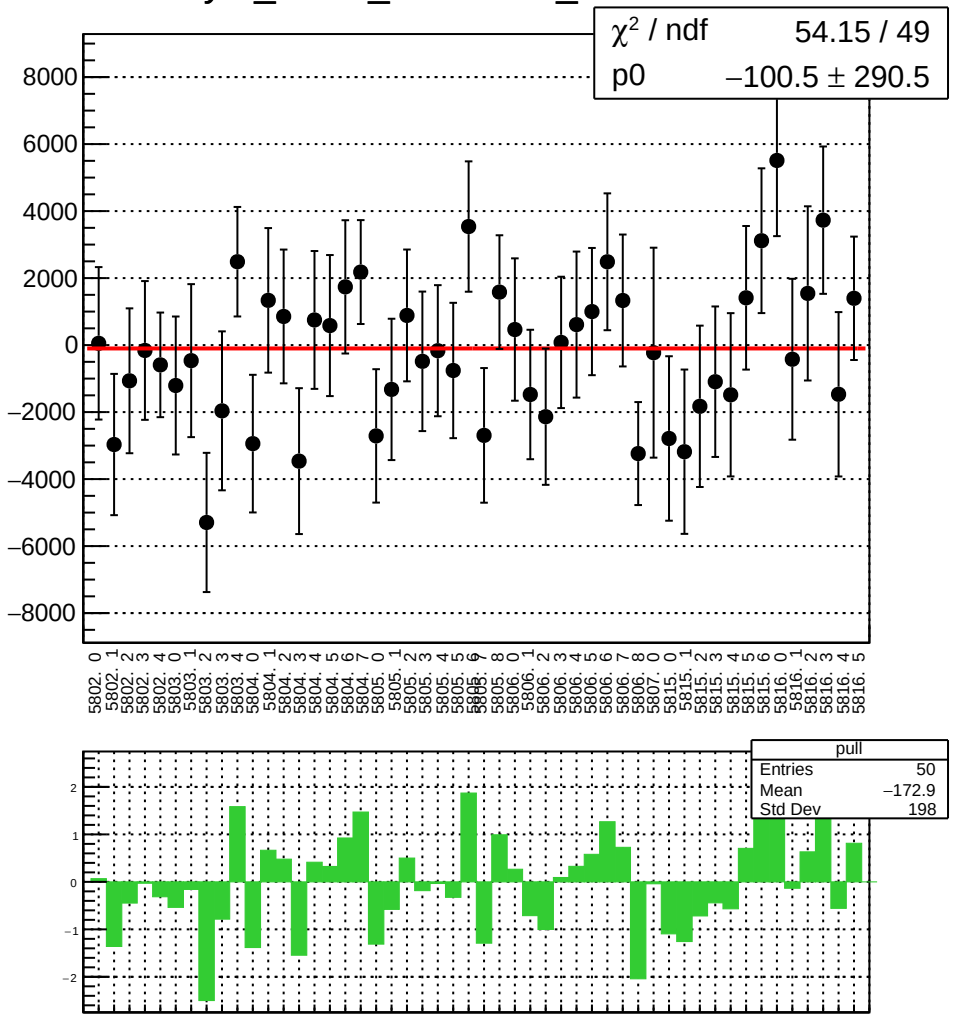

pull1D
Entries 50
Mean −0.007484
Std Dev 1.087
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

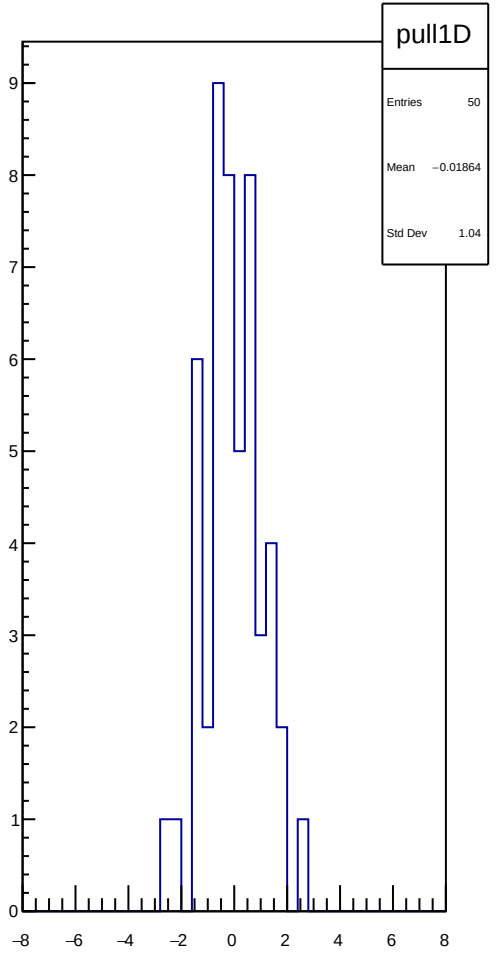

asym_sam6_rms vs run
χ² / ndf 1964 / 49
p0 621.6 ± 0.6324
700
680
660
640
620
600
580
560
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805.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

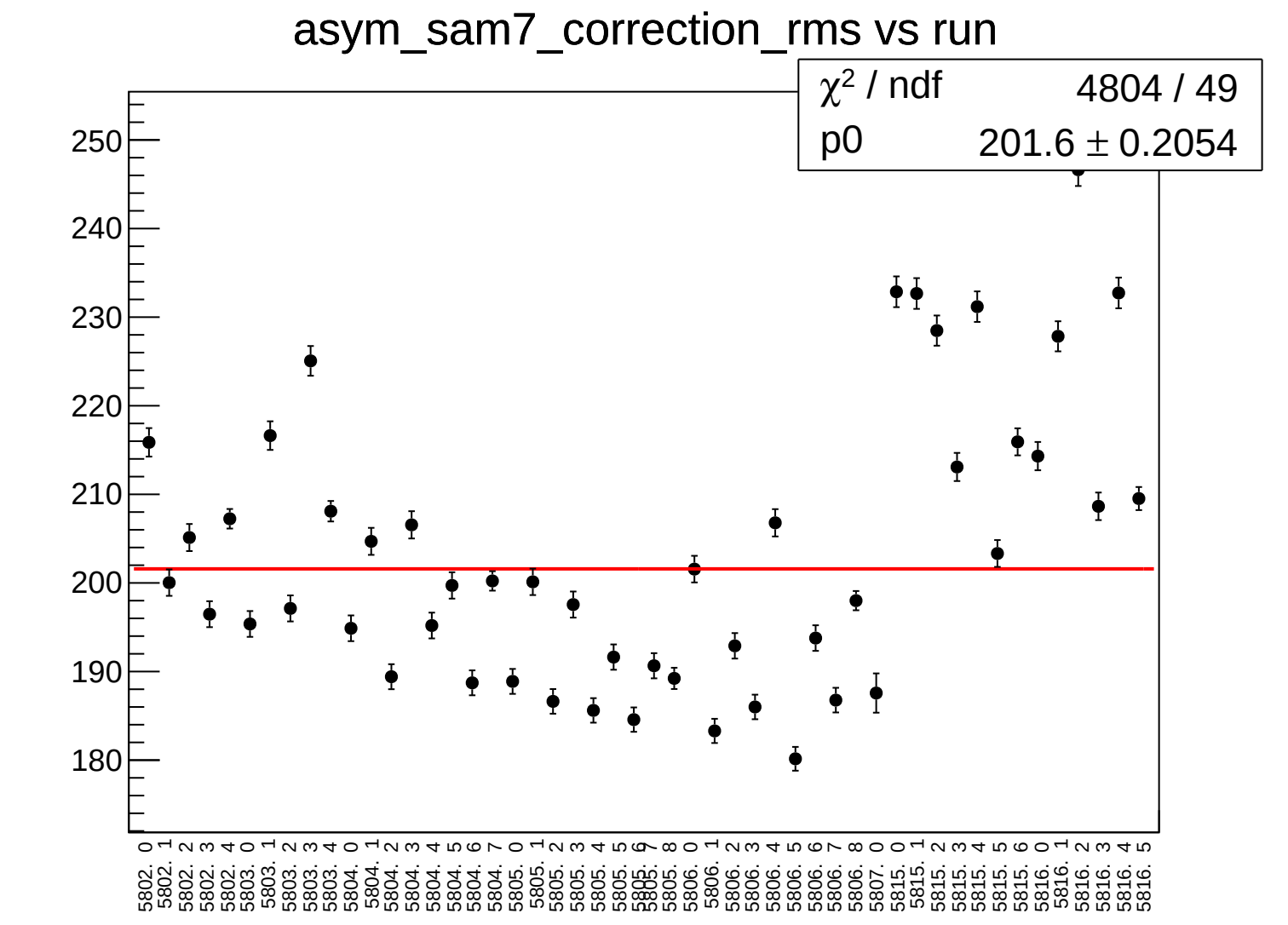

dit_asym_sam7_mean vs run
χ^2 / ndf 44 / 49
p0 −35.37 ± 98.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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 507.2
Std Dev 478.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

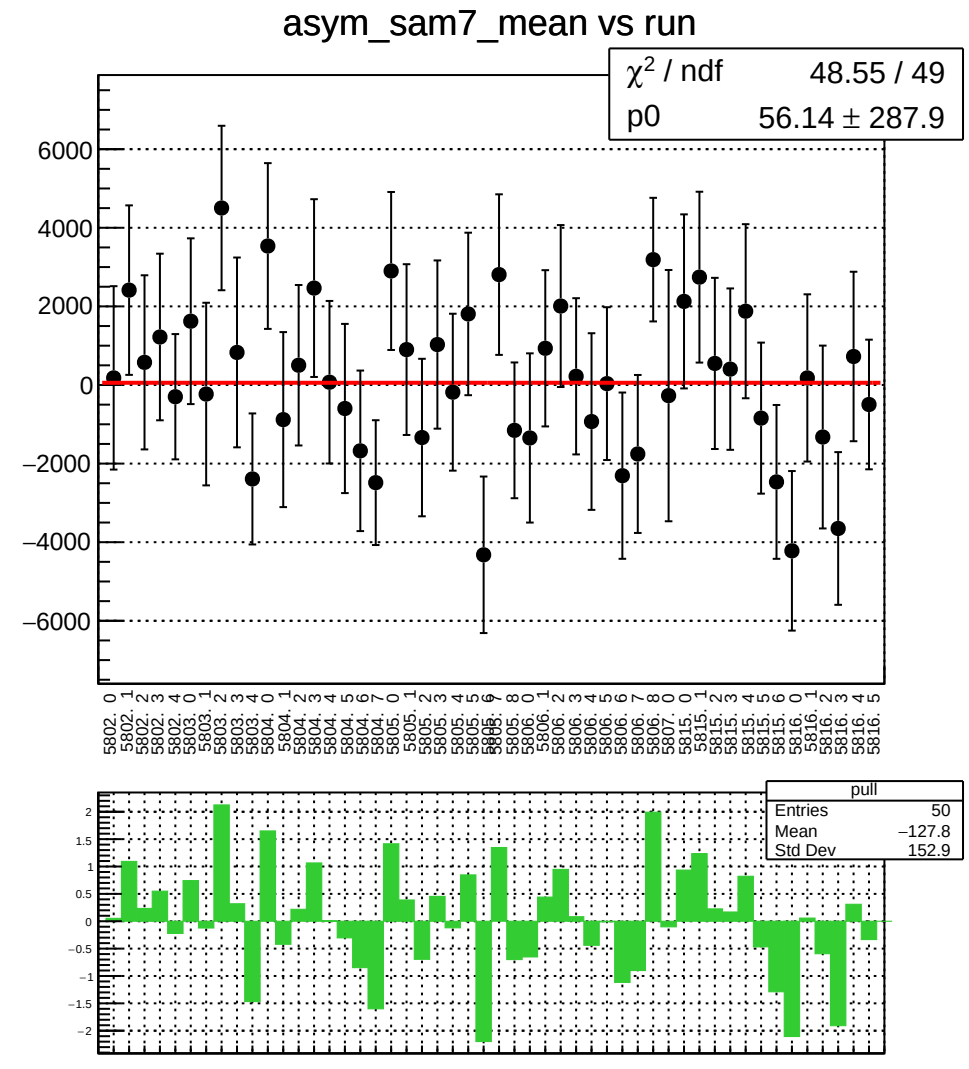

pull1D
Entries 50
Mean 0.002854
Std Dev 0.9381
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

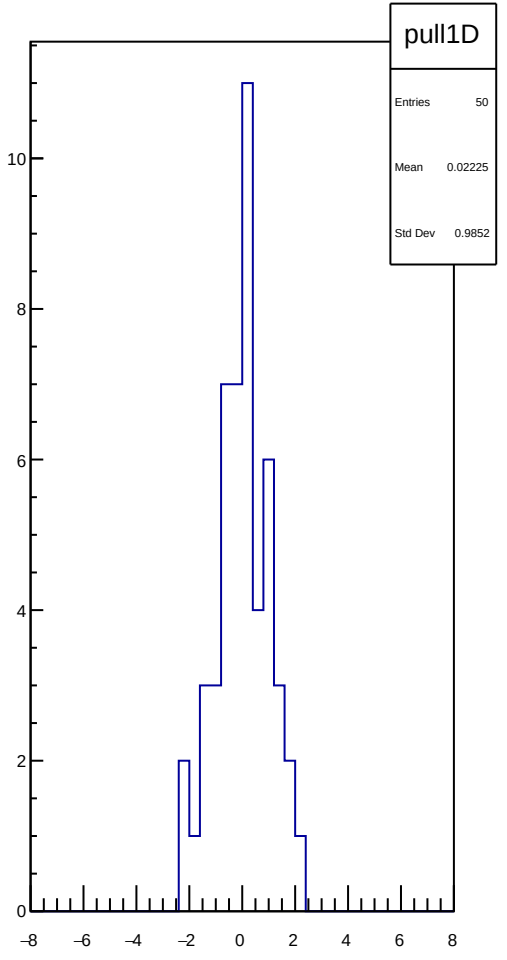

dit_asym_sam7_rms vs run
χ^2 / ndf 210.3 / 49
p0 68.31 ± 0.06944
72
71
70
69
68
67
66
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
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

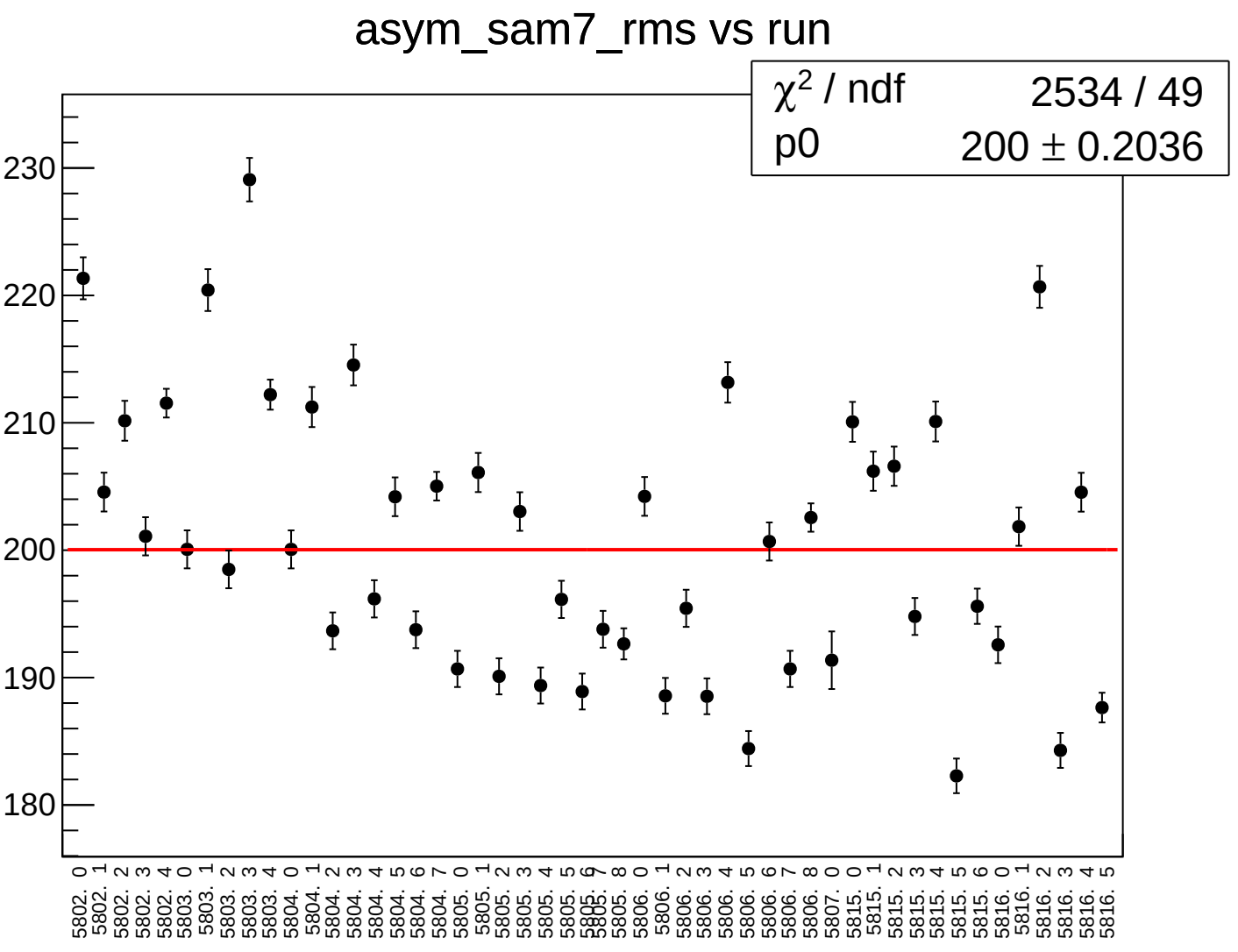

asym_sam7_correction_mean vs run
χ² / ndf 54.15 / 49
p0 −100.5 ± 290.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 50
Mean −172.9
Std Dev 198
2
1
0
−1
−2

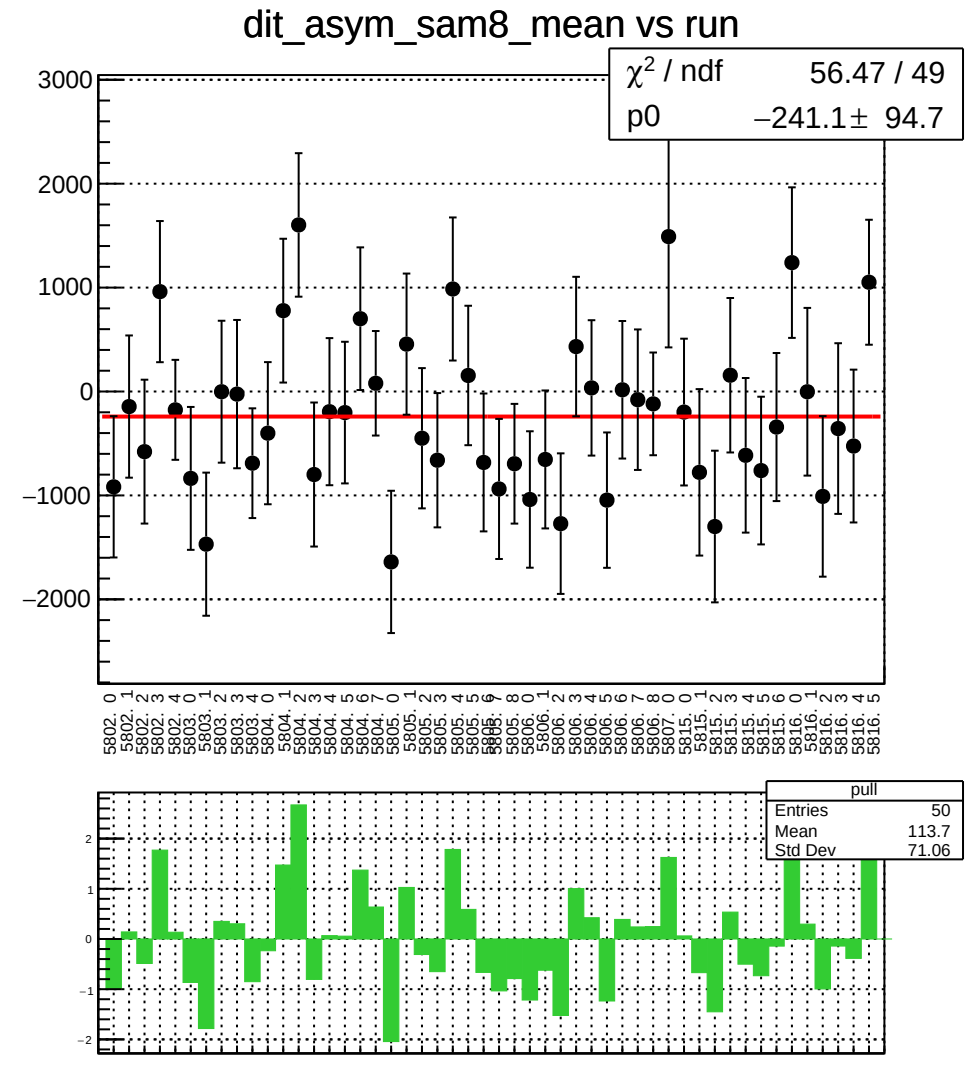

pull1D
Entries 50
Mean −0.01864
Std Dev 1.04
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

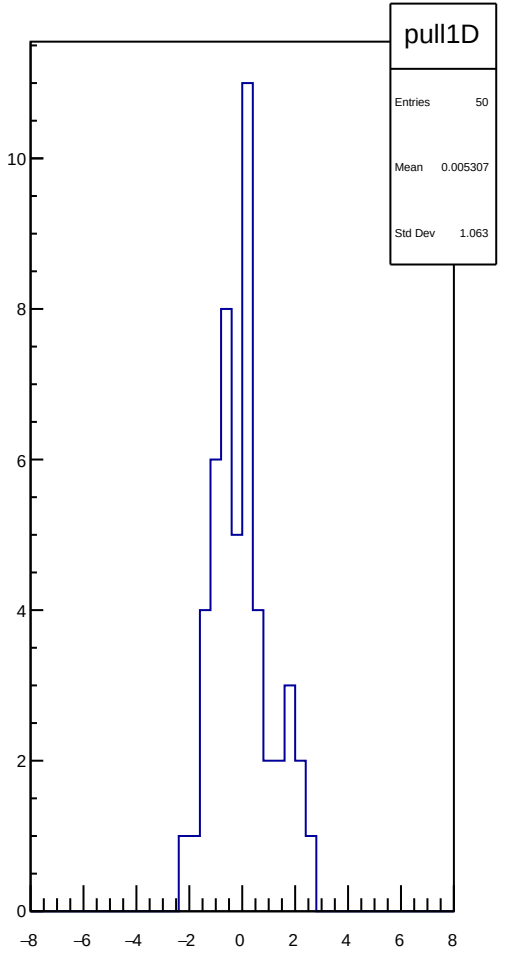

asym_sam7_correction_rms vs run
χ² / ndf 4804 / 49
p0 201.6 ± 0.2054
250
240
230
220
210
200
190
180
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
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

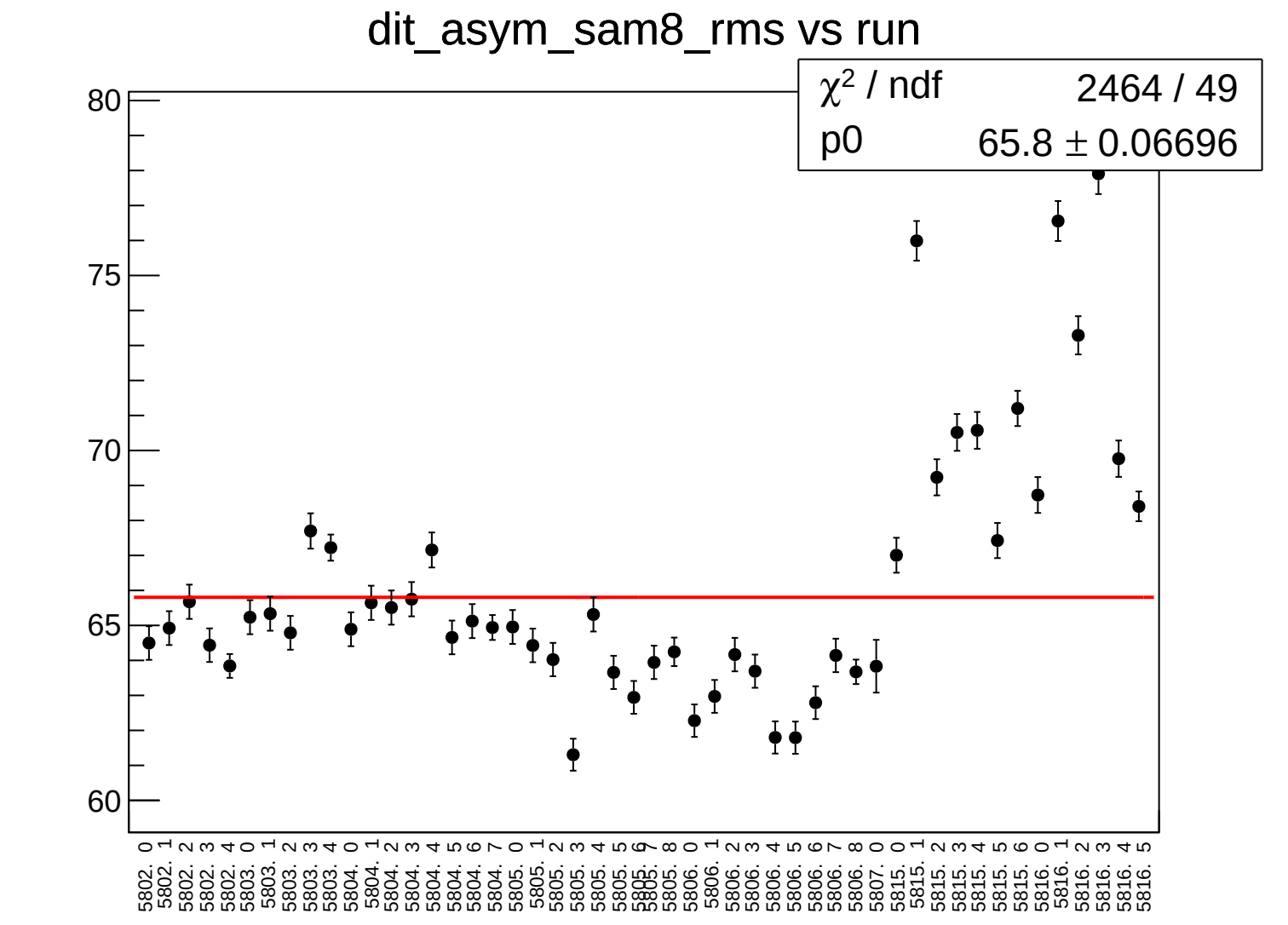

asym_sam7_mean vs run
χ² / ndf 48.55 / 49
p0 56.14 ± 287.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −127.8
Std Dev 152.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

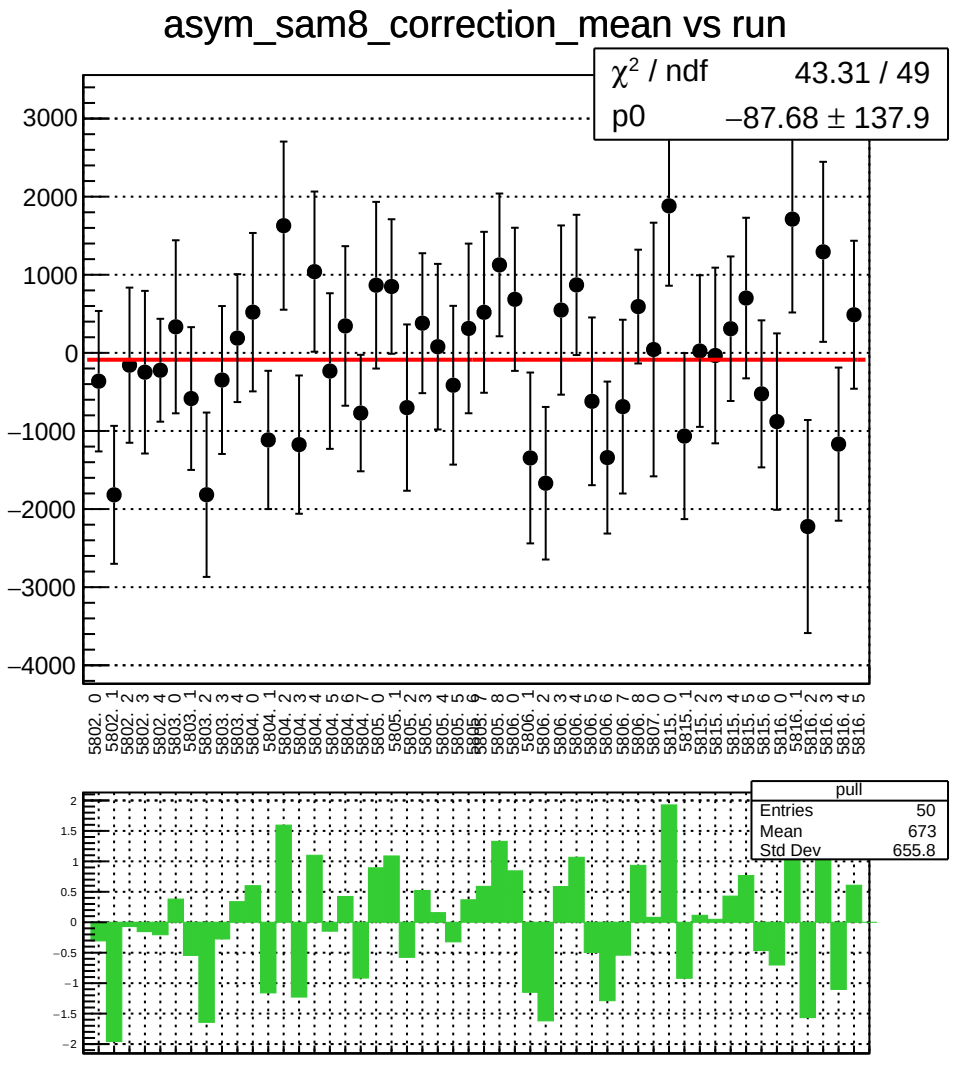

pull1D
Entries 50
Mean 0.02225
Std Dev 0.9852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

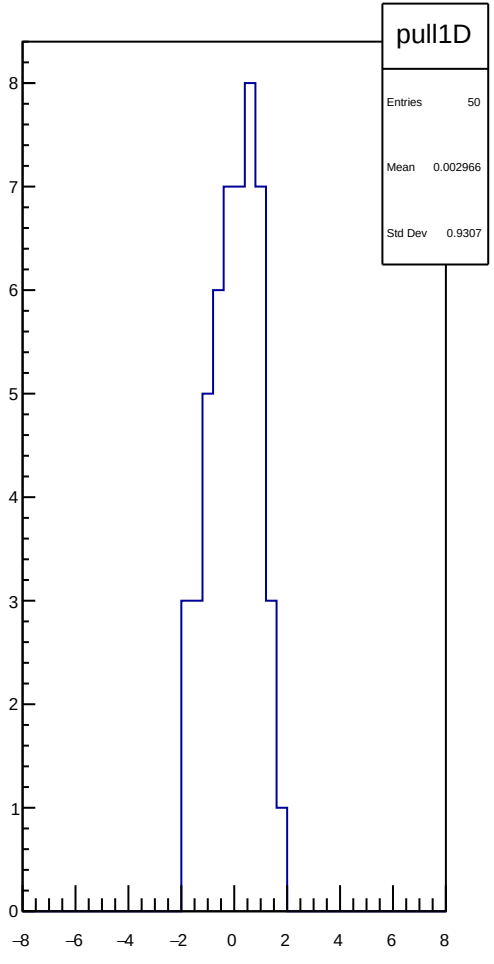

asym_sam7_rms vs run
χ^2 / ndf 2534 / 49
p0 200 ± 0.2036
230
220
210
200
190
180
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806.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

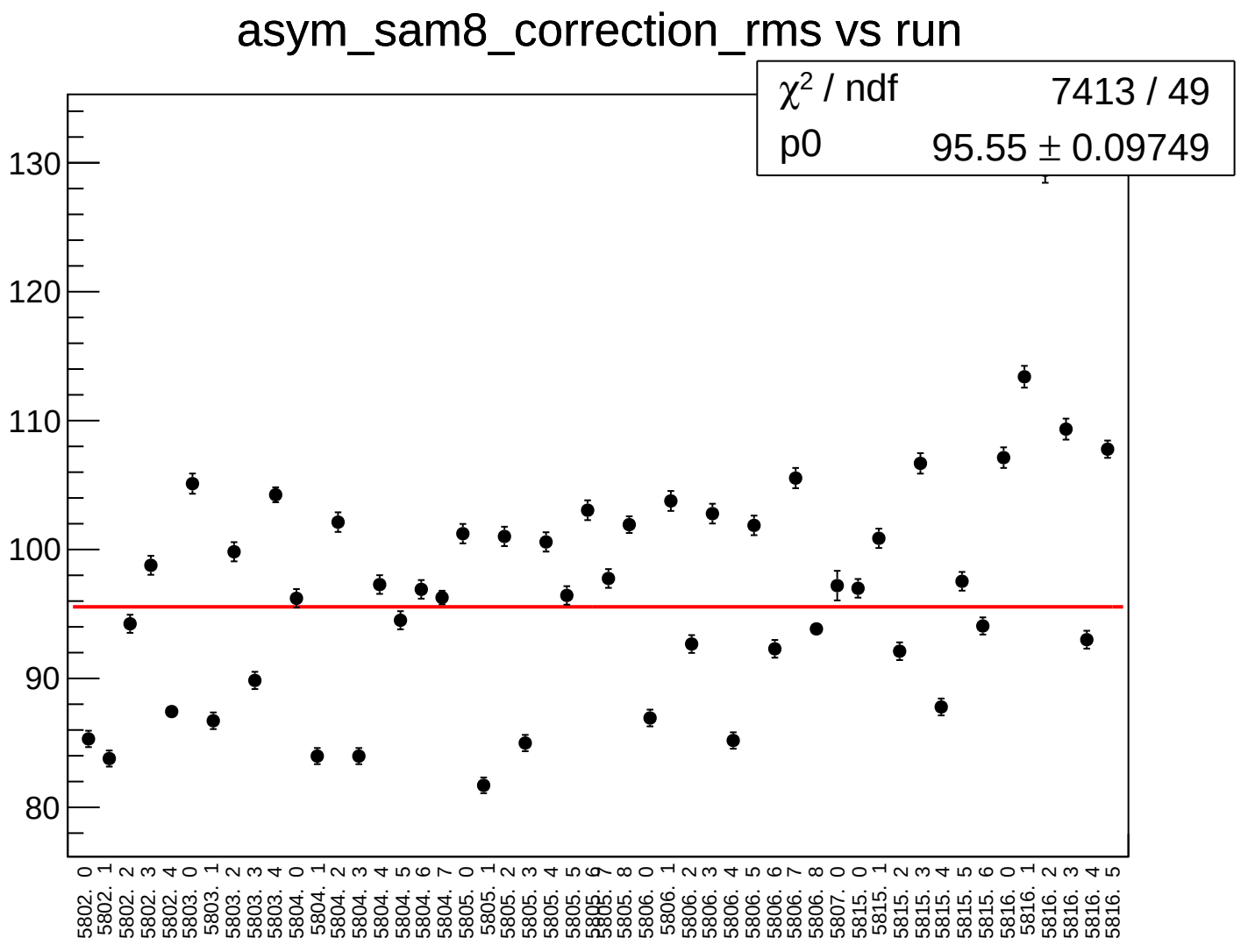

dit_asym_sam8_mean vs run
χ² / ndf 56.47 / 49
p0 −241.1± 94.7
3000
2000
1000
0
−1000
−2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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
pull
Entries 50
Mean 113.7
Std Dev 71.06
2
1
0
−1
−2

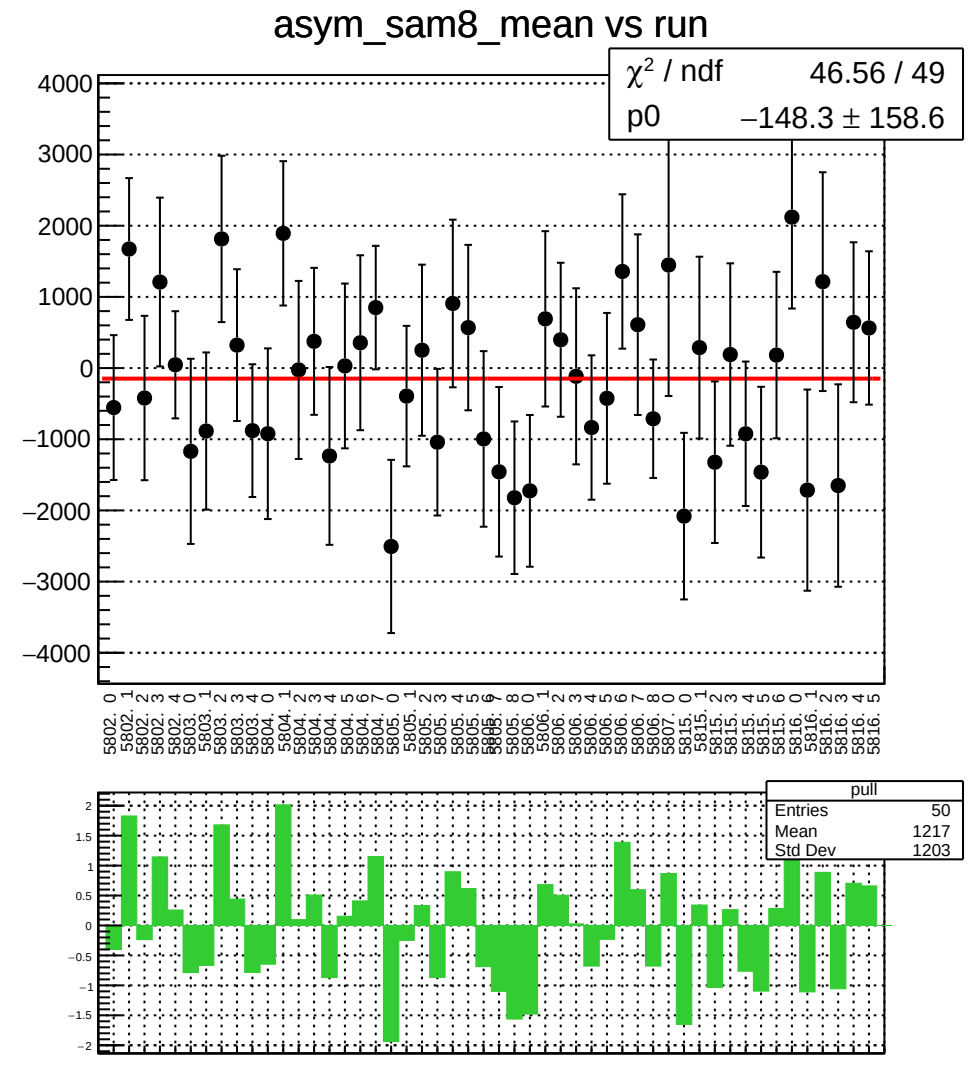

pull1D
Entries 50
Mean 0.005307
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

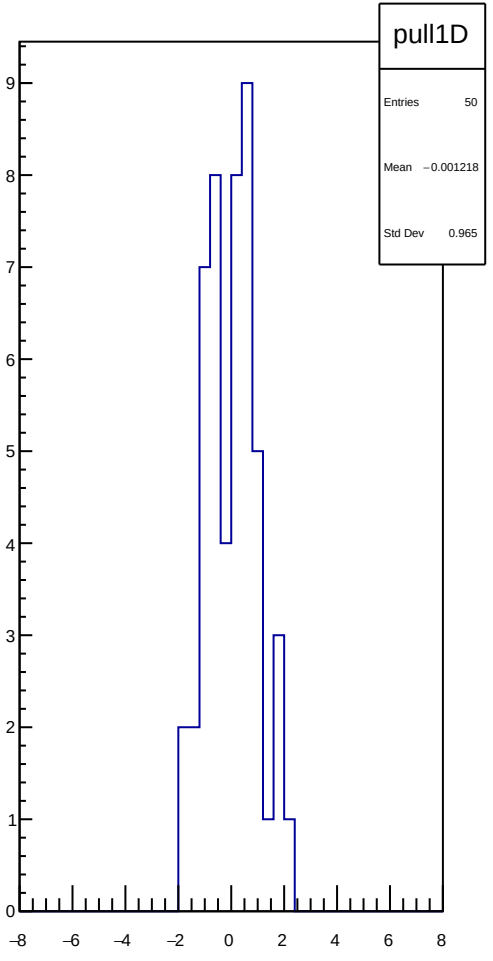

dit_asym_sam8_rms vs run
χ² / ndf 2464 / 49
p0 65.8 ± 0.06696
80
75
70
65
60
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
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

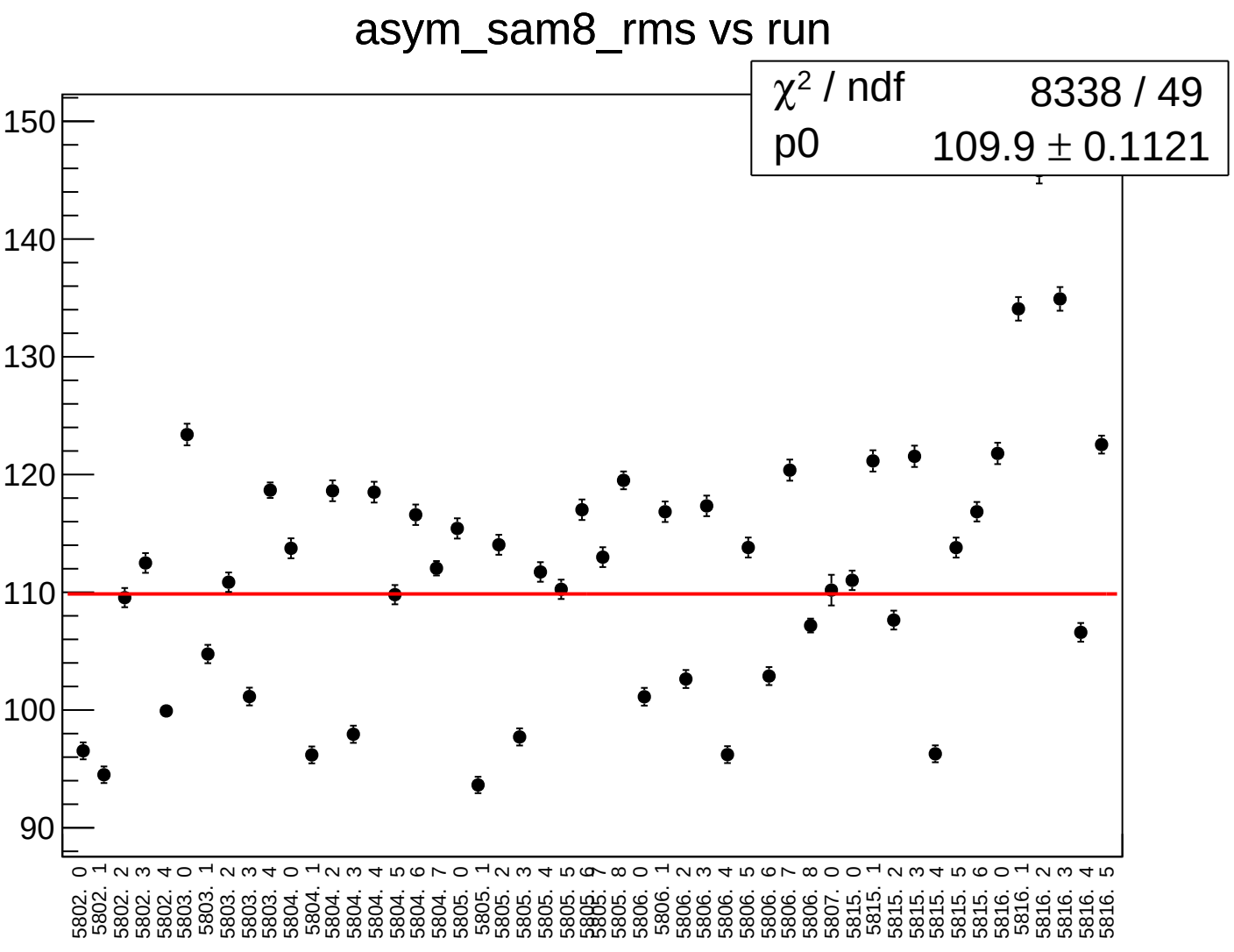

asym_sam8_correction_mean vs run
χ² / ndf 43.31 / 49
p0 −87.68 ± 137.9
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 50
Mean 673
Std Dev 655.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

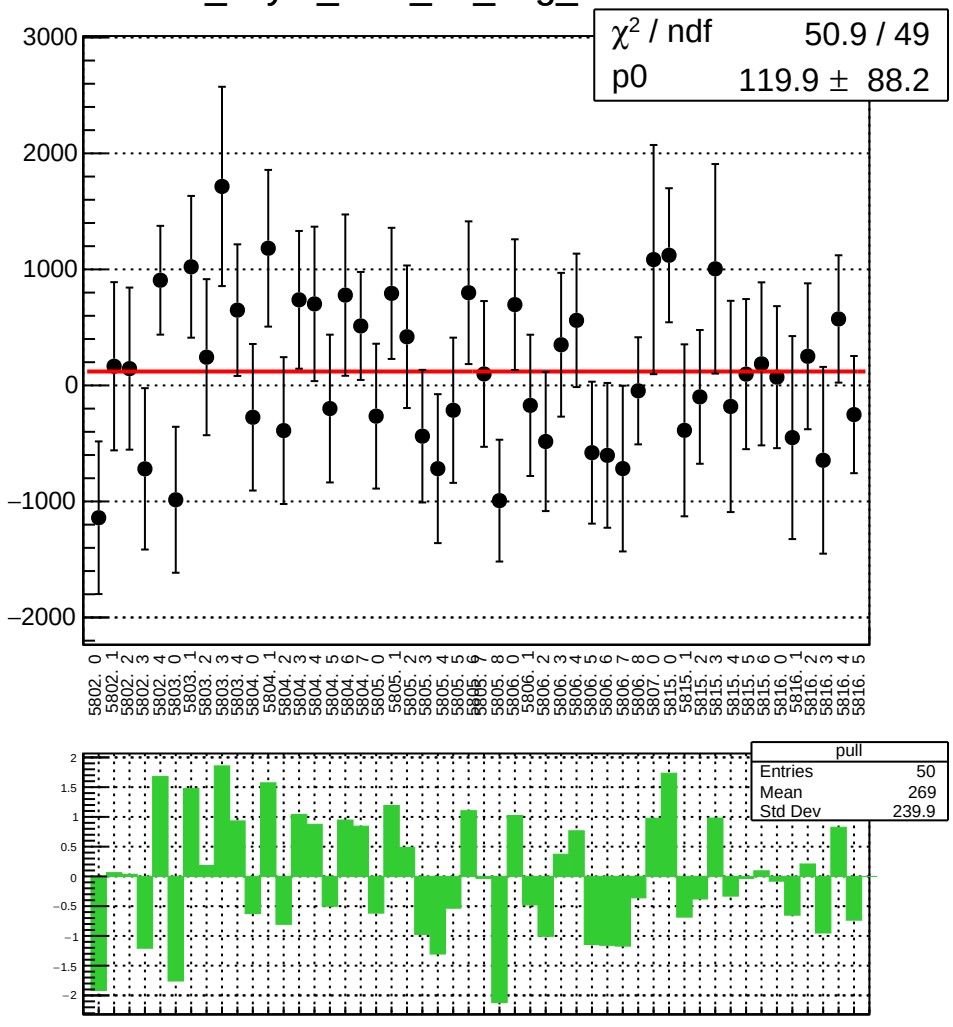

pull1D
Entries 50
Mean 0.002966
Std Dev 0.9307
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

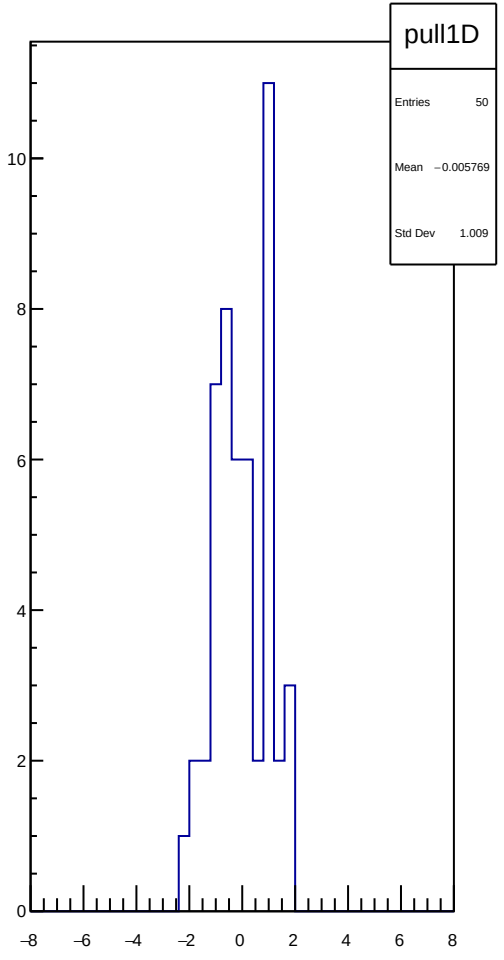

asym_sam8_correction_rms vs run
χ² / ndf 7413 / 49
p0 95.55 ± 0.09749
130
120
110
100
90
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

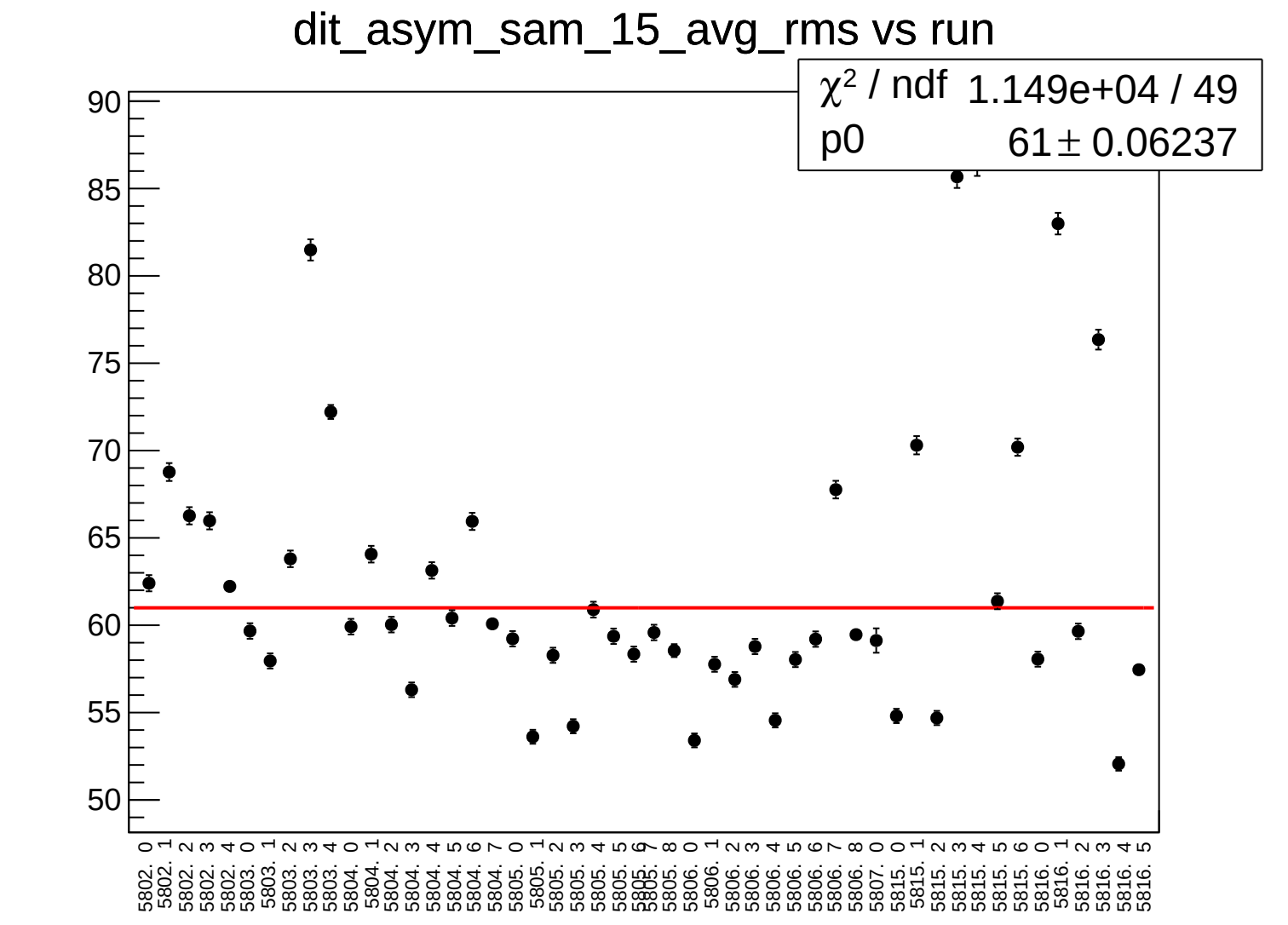

asym_sam8_mean vs run
χ² / ndf 46.56 / 49
p0 −148.3 ± 158.6
pull
Entries 50
Mean 1217
Std Dev 1203

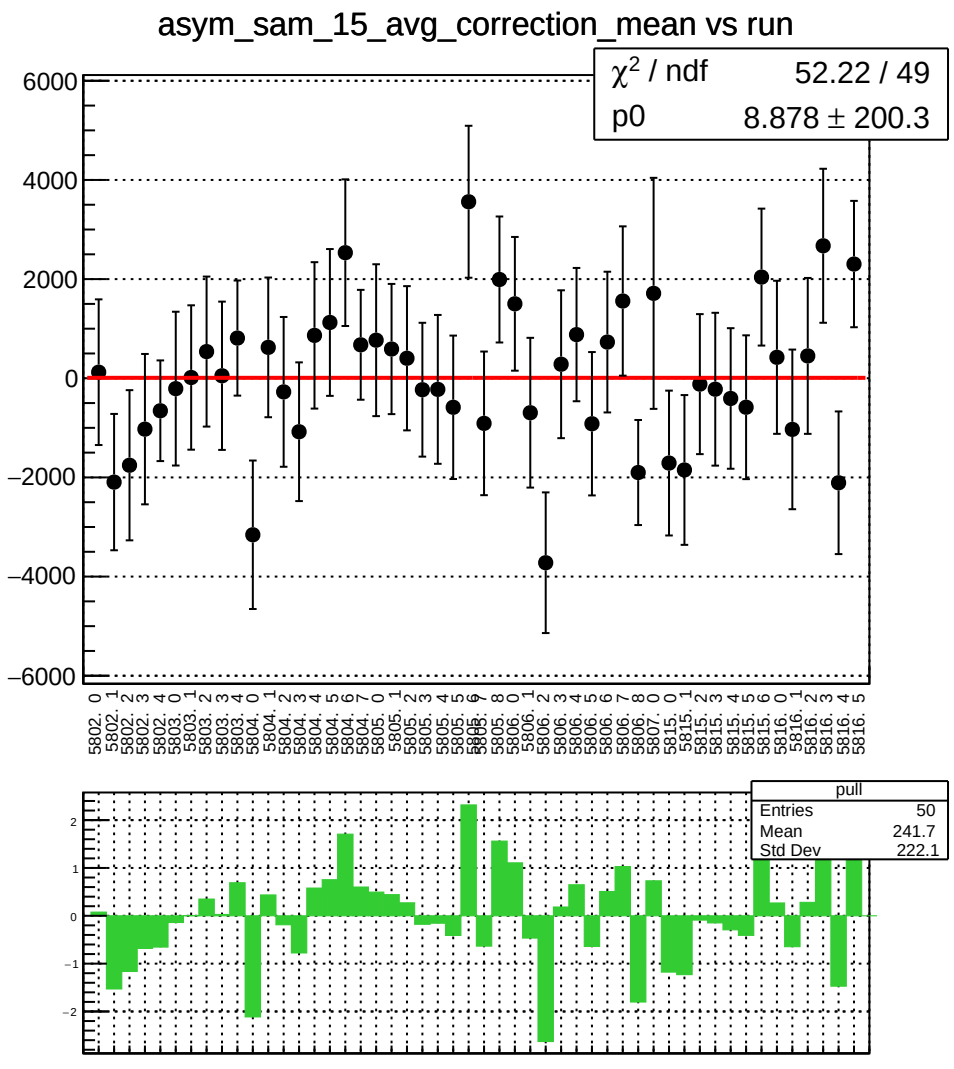

pull1D
Entries 50
Mean −0.001218
Std Dev 0.965

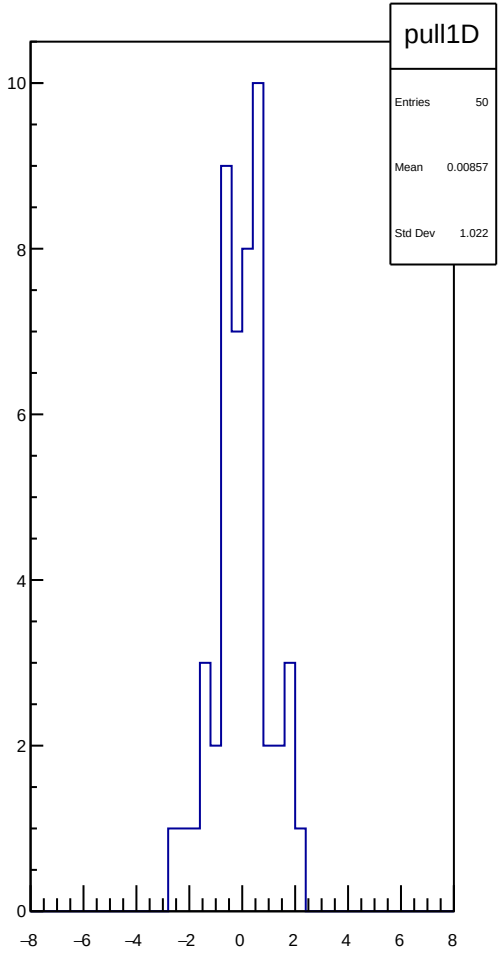

asym_sam8_rms vs run
χ² / ndf 8338 / 49
p0 109.9 ± 0.1121
150
140
130
120
110
100
90
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8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

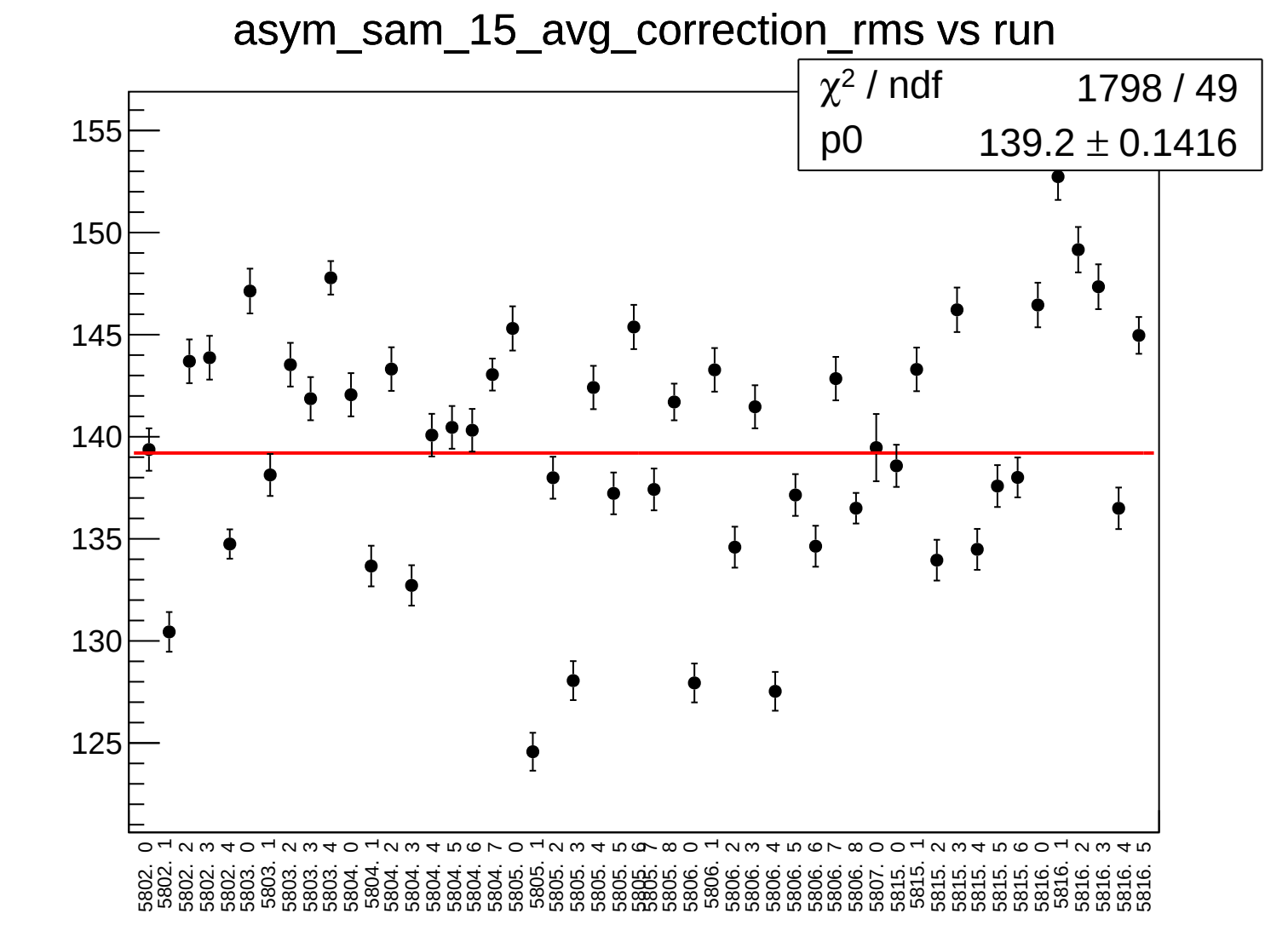

dit_asym_sam_15_avg_mean vs run
χ² / ndf 50.9 / 49
p0 119.9 ± 88.2
pull
Entries 50
Mean 269
Std Dev 239.9

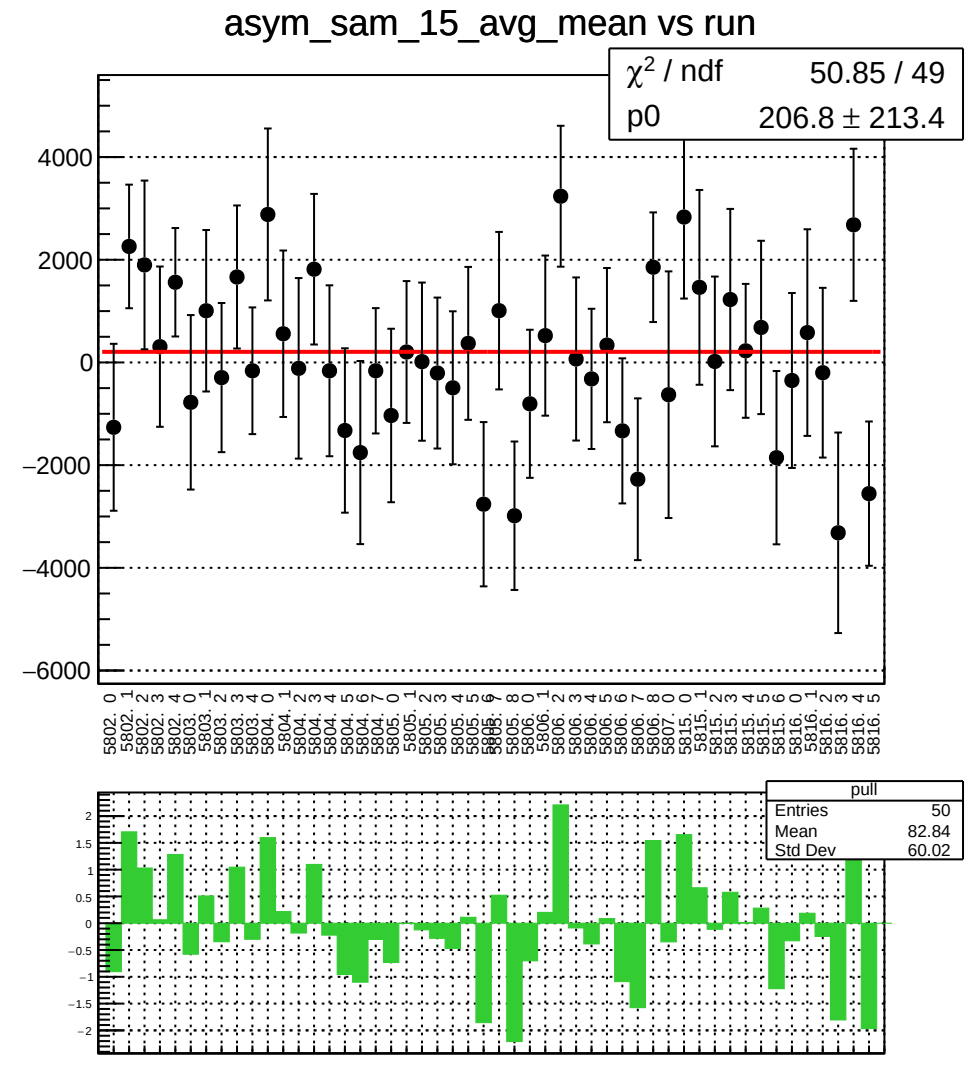

pull1D
Entries 50
Mean −0.005769
Std Dev 1.009

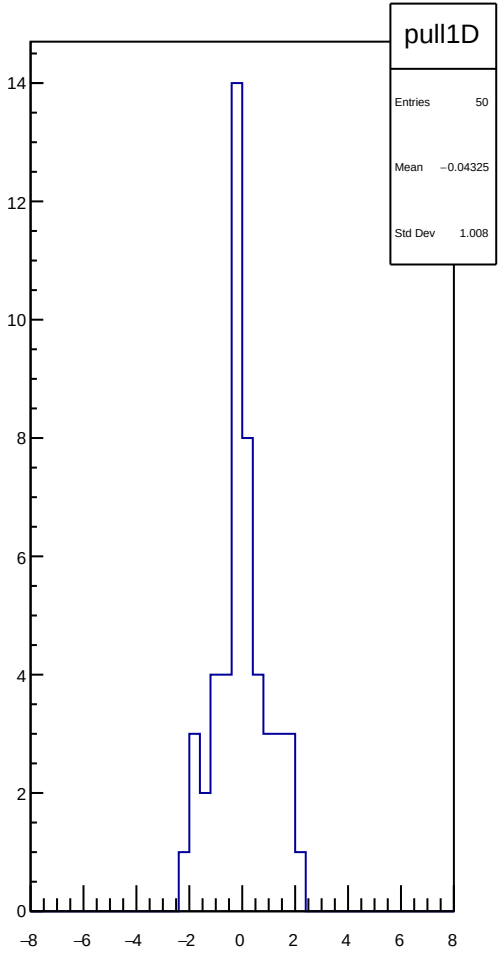

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.149e+04 / 49
p0 61 ± 0.06237
90
85
80
75
70
65
60
55
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

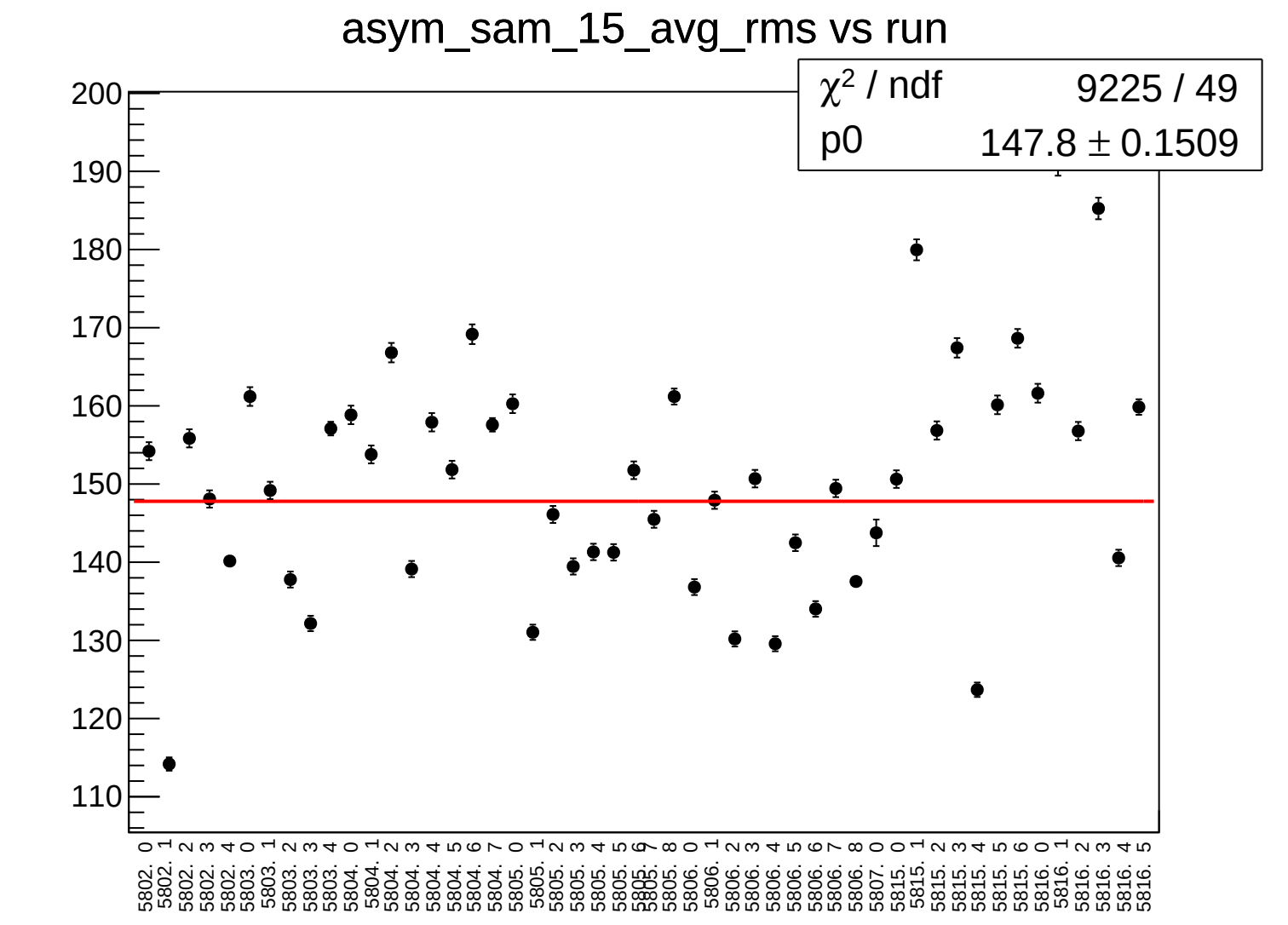

asym_sam_15_avg_correction_mean vs run
χ² / ndf 52.22 / 49
p0 8.878 ± 200.3
pull
Entries 50
Mean 241.7
Std Dev 222.1

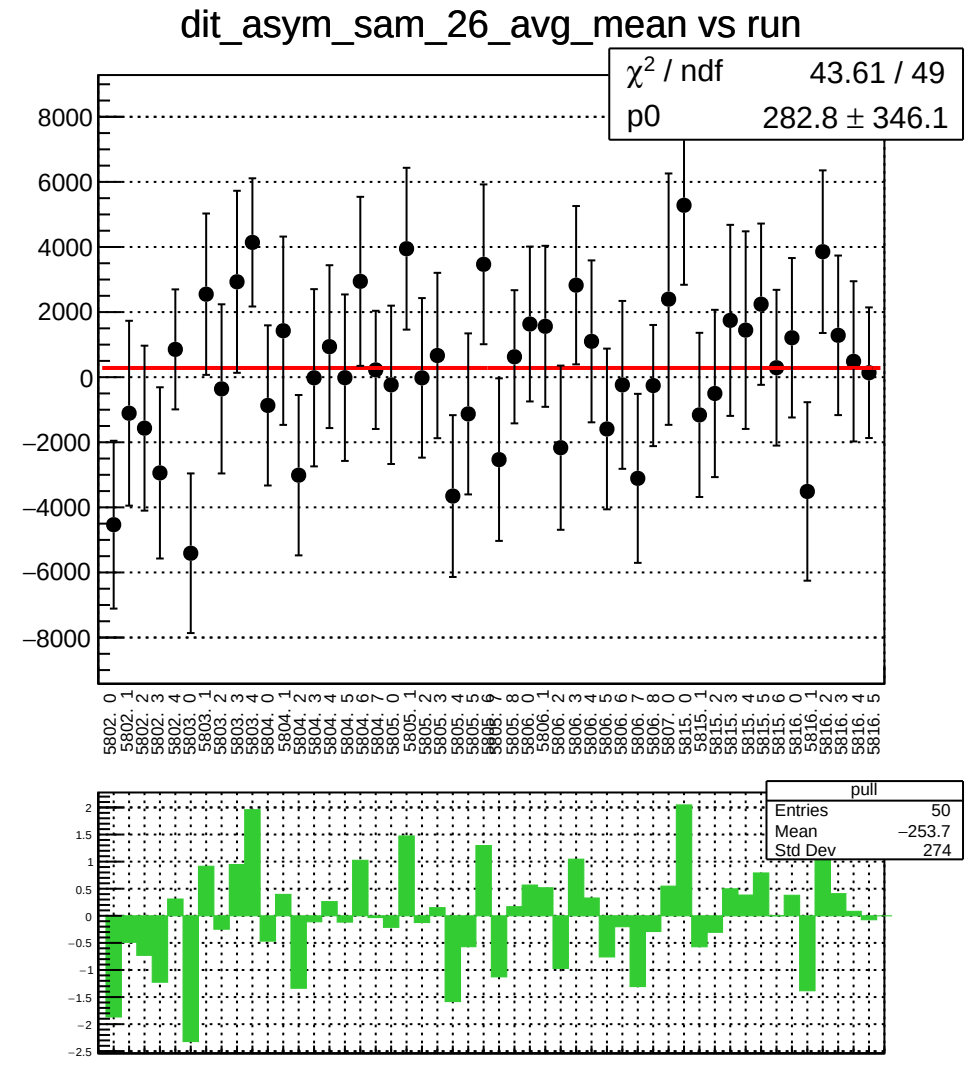

pull1D
Entries 50
Mean 0.00857
Std Dev 1.022

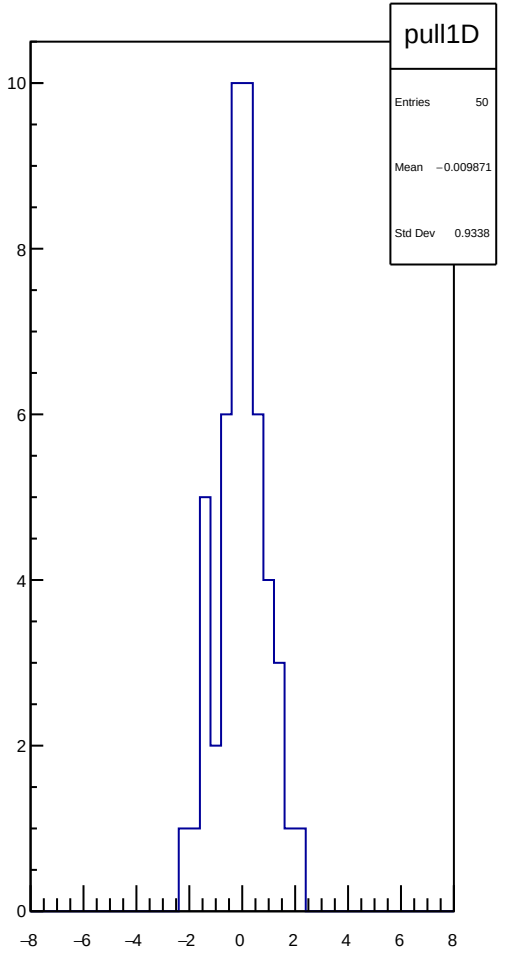

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 1798 / 49
p0 139.2 ± 0.1416
155
150
145
140
135
130
125
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

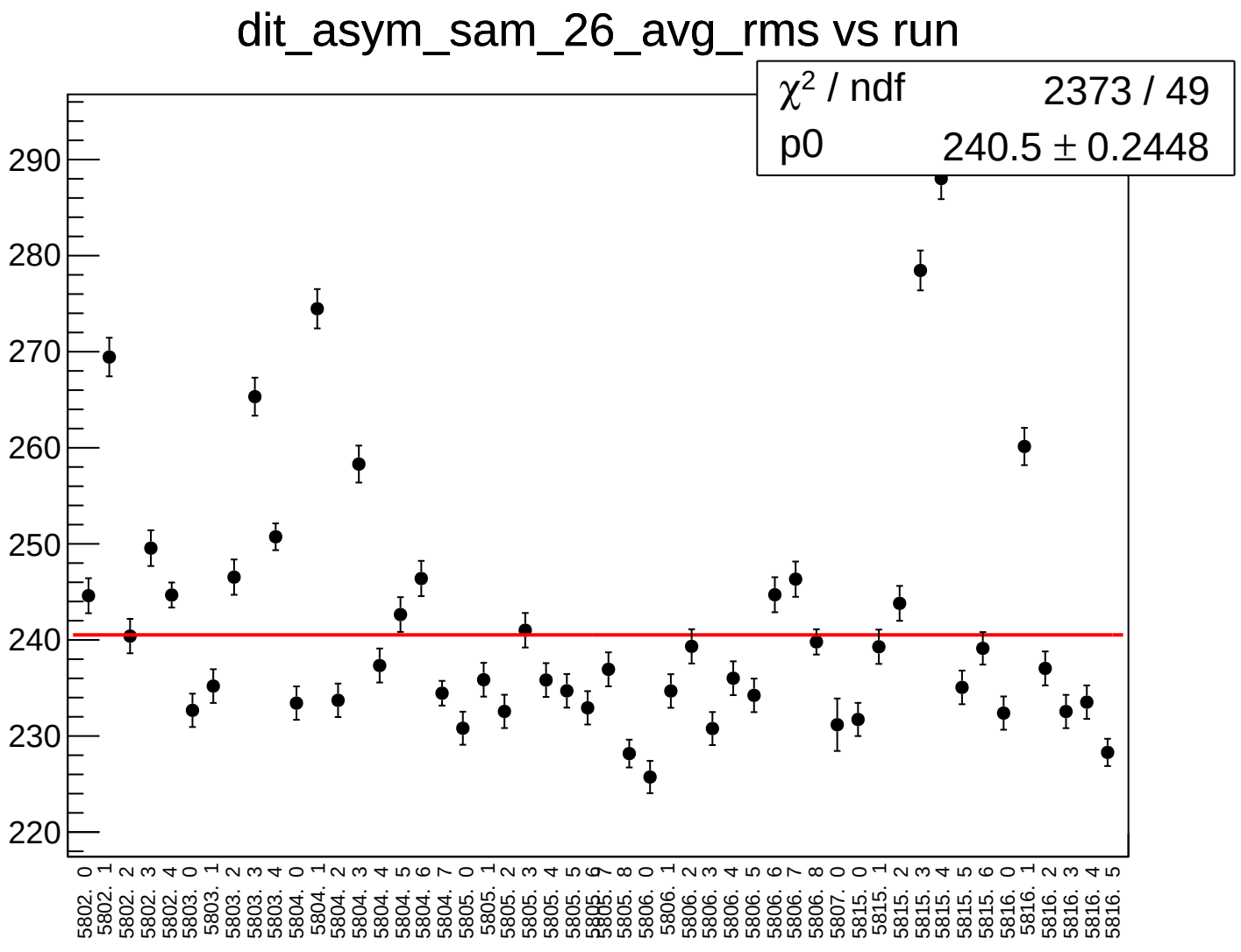

asym_sam_15_avg_mean vs run
χ² / ndf 50.85 / 49
p0 206.8 ± 213.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 82.84
Std Dev 60.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

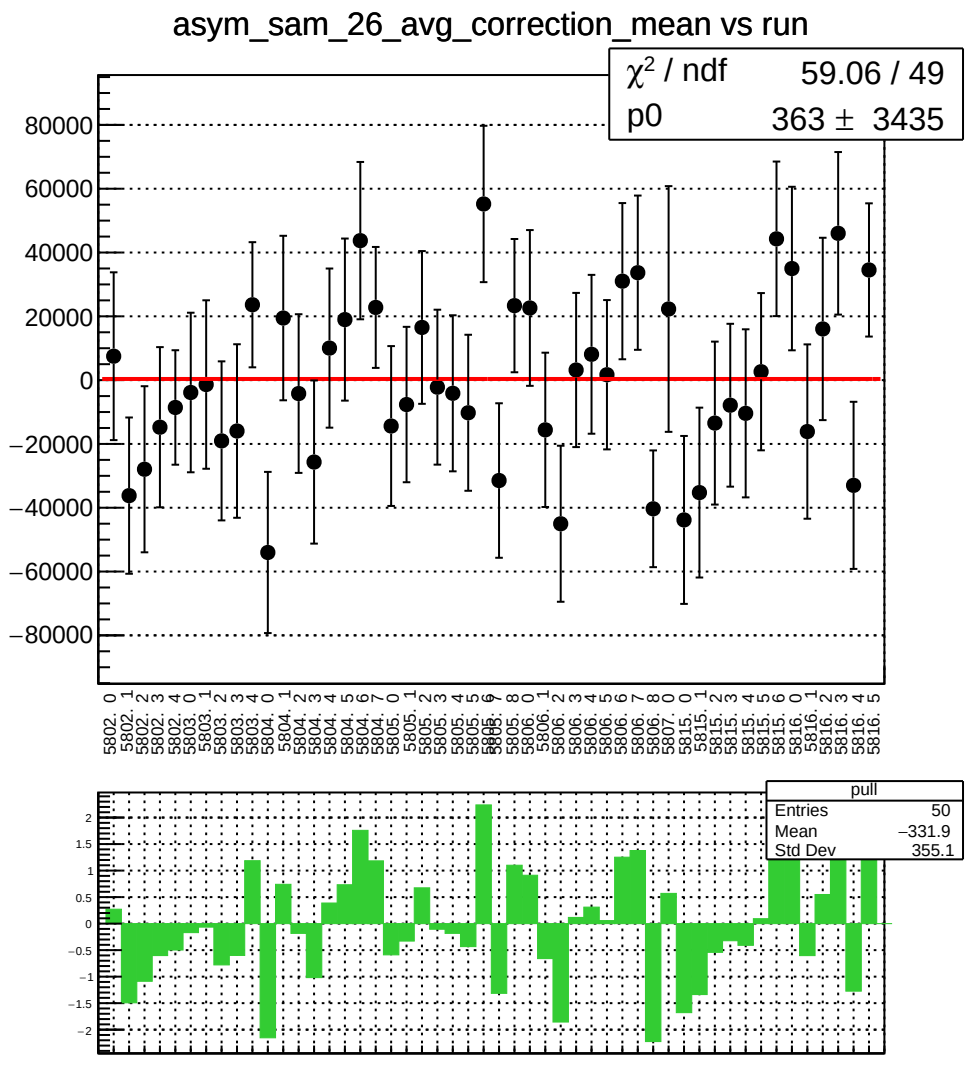

pull1D
Entries 50
Mean −0.04325
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

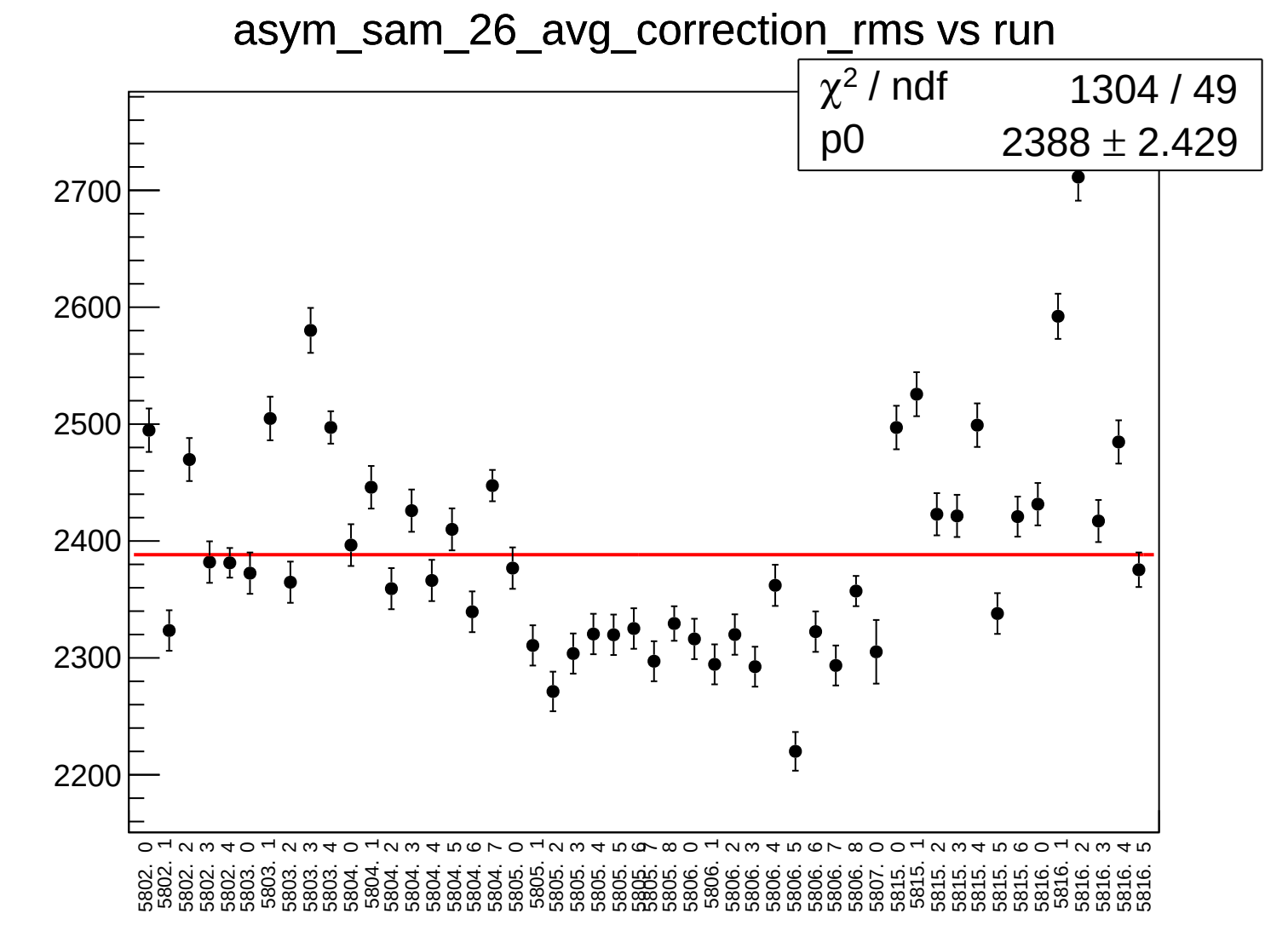

asym_sam_15_avg_rms vs run
χ² / ndf 9225 / 49
p0 147.8 ± 0.1509
200
190
180
170
160
150
140
130
120
110
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

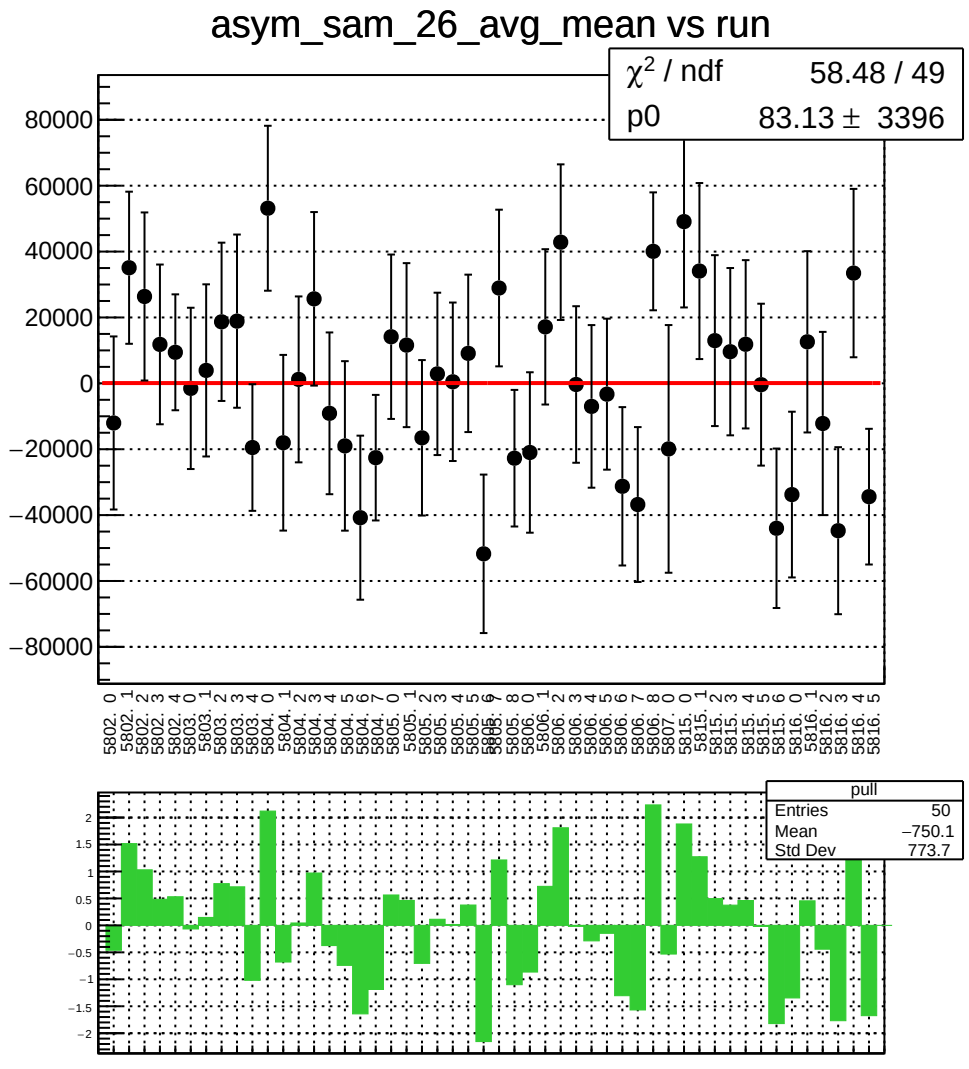

dit_asym_sam_26_avg_mean vs run
χ² / ndf 43.61 / 49
p0 282.8 ± 346.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 50
Mean −253.7
Std Dev 274
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

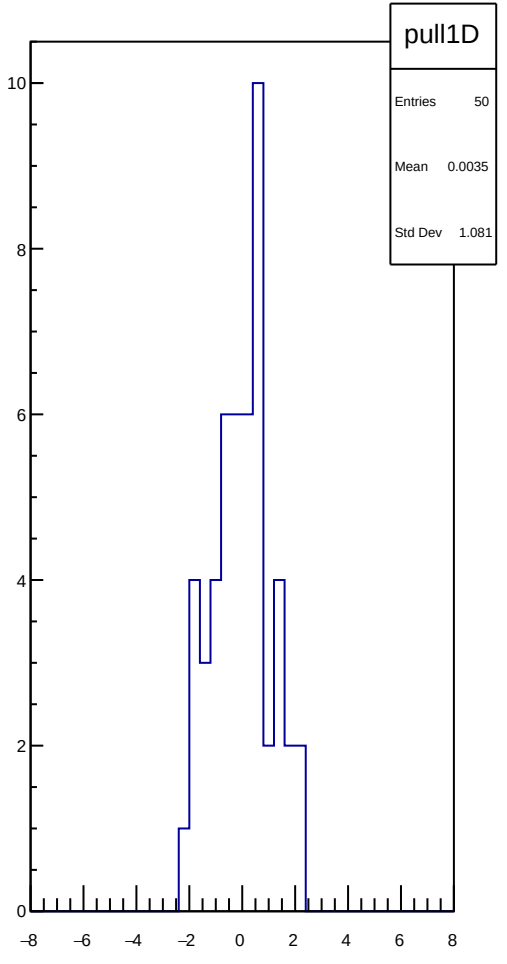

pull1D
Entries 50
Mean −0.009871
Std Dev 0.9338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

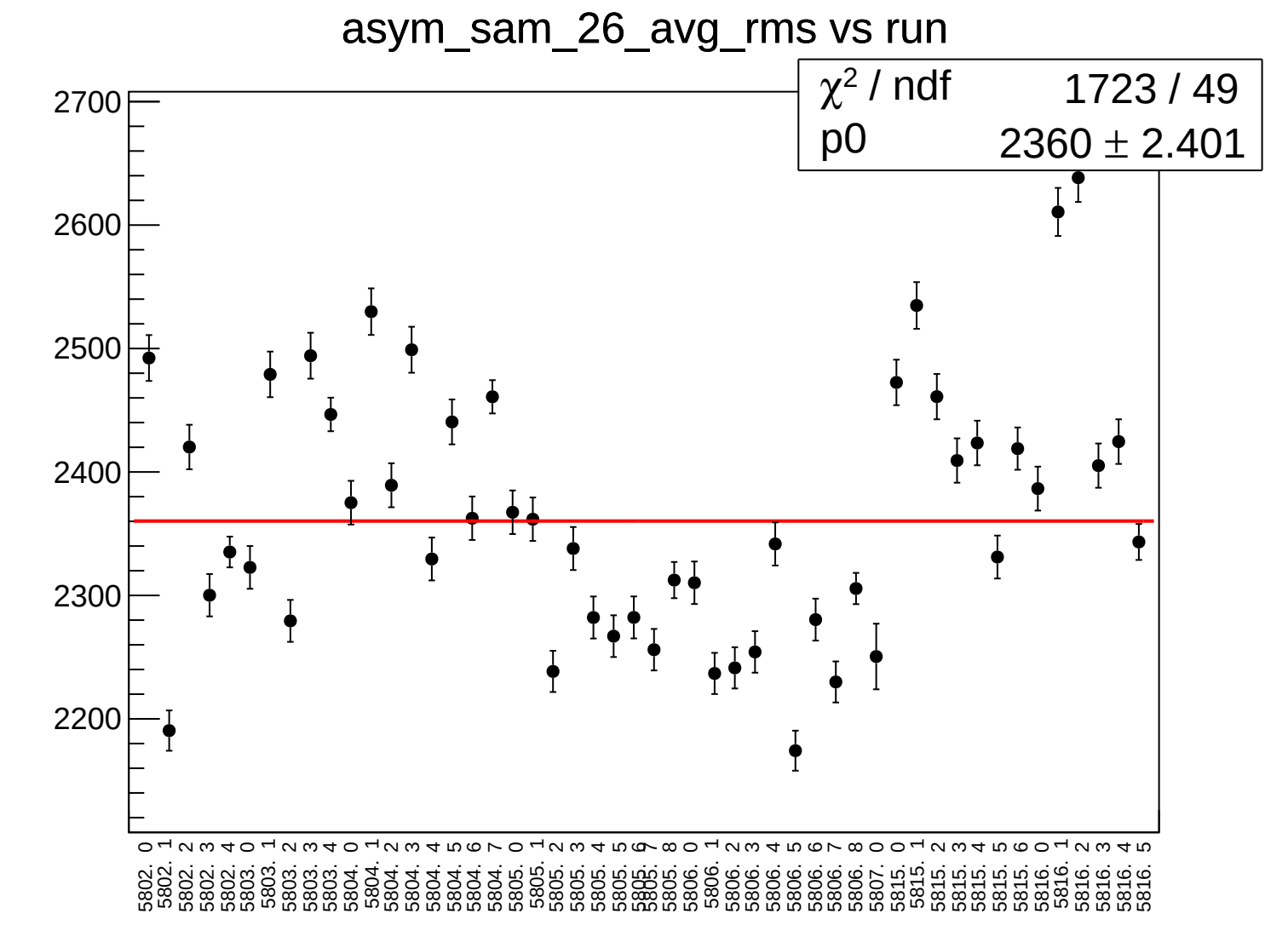

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2373 / 49
p0 240.5 ± 0.2448
290
280
270
260
250
240
230
220
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

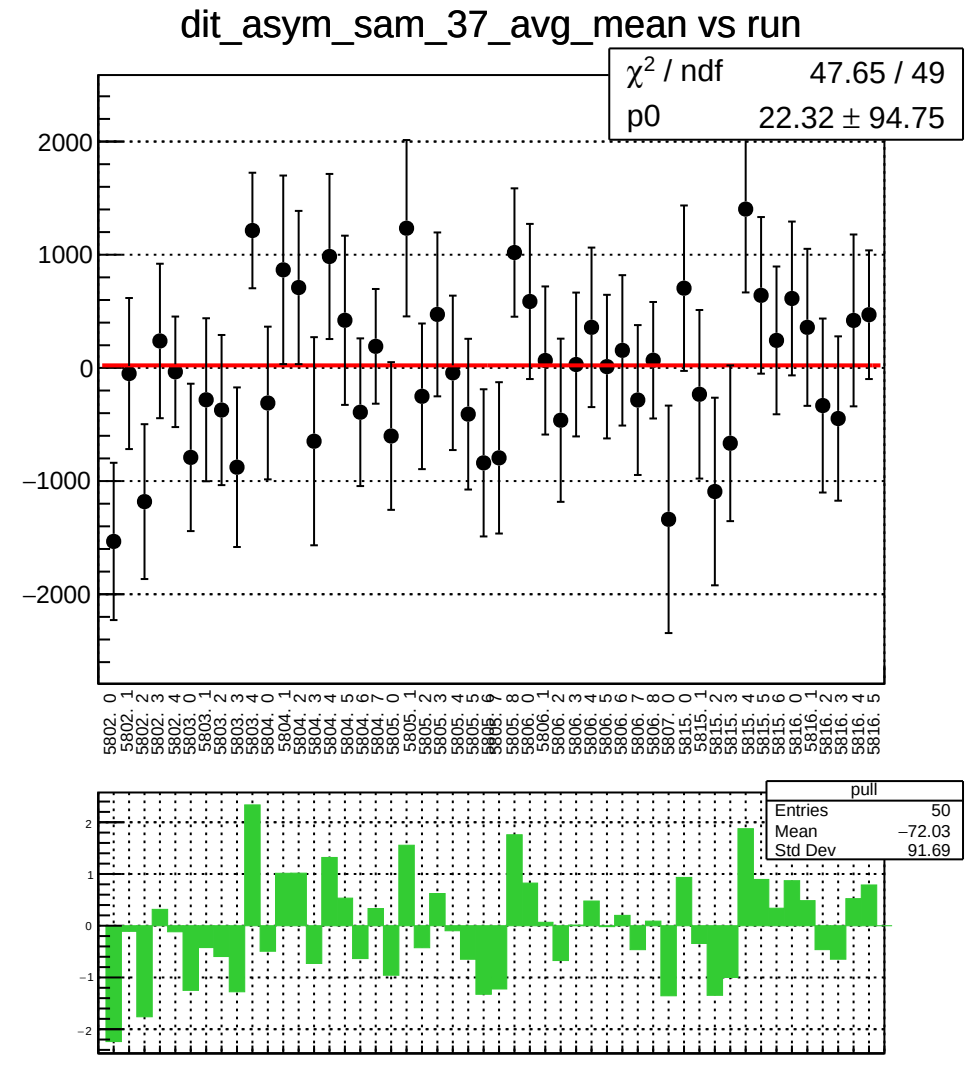

asym_sam_26_avg_correction_mean vs run
χ² / ndf 59.06 / 49
p0 363 ± 3435
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
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 −331.9
Std Dev 355.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.008095
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

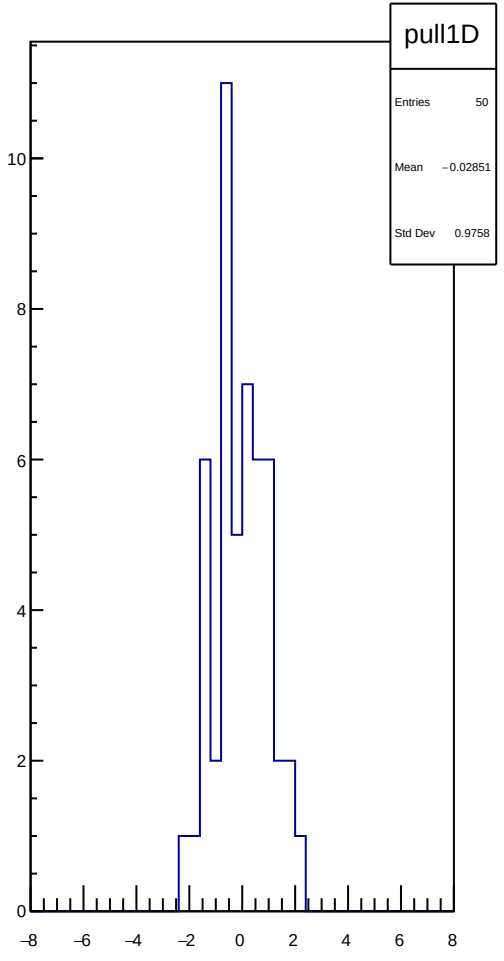

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1304 / 49
p0 2388 ± 2.429
2700
2600
2500
2400
2300
2200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

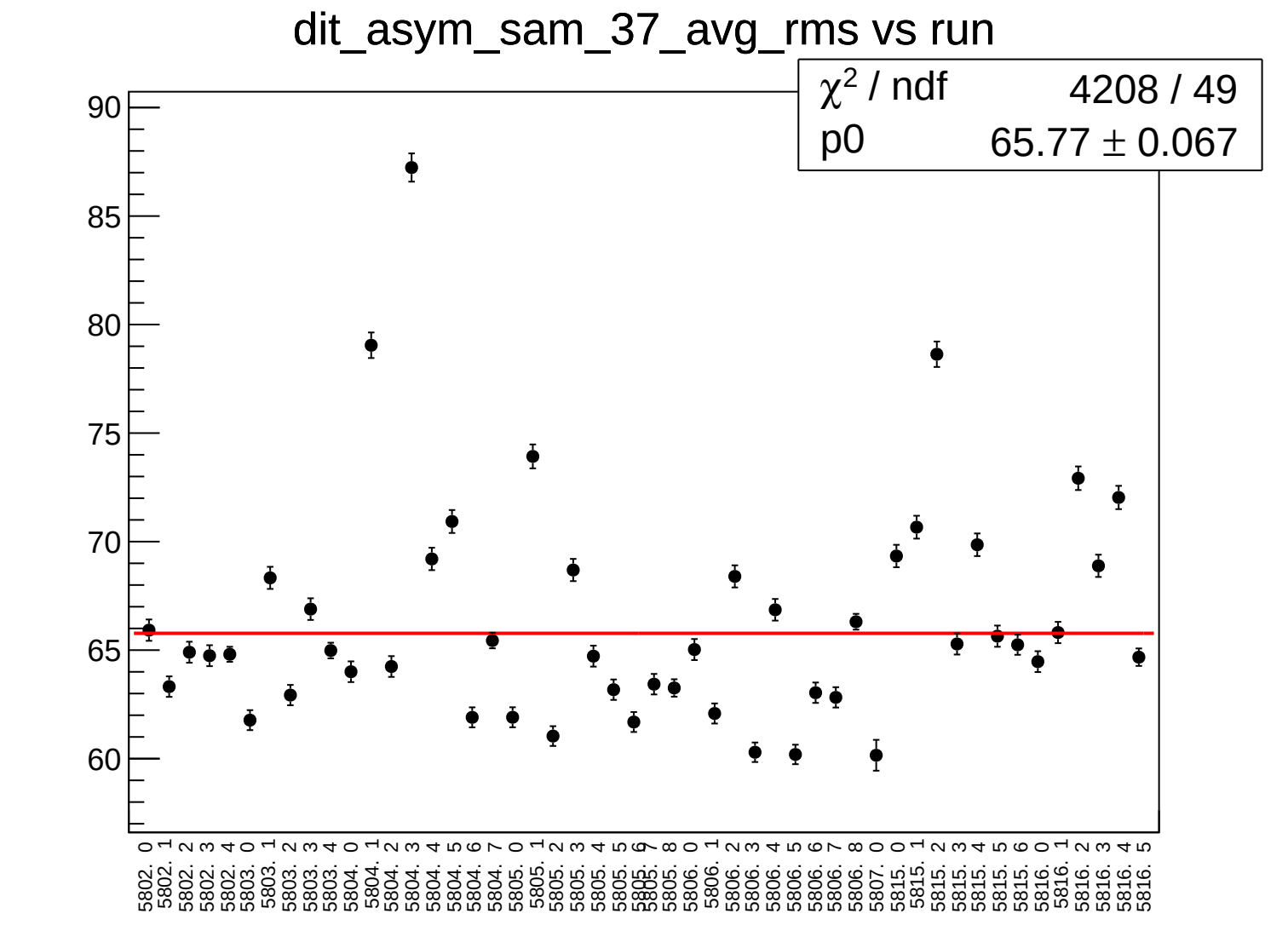

asym_sam_26_avg_mean vs run
χ^2 / ndf 58.48 / 49
p0 83.13 ± 3396
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −750.1
Std Dev 773.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

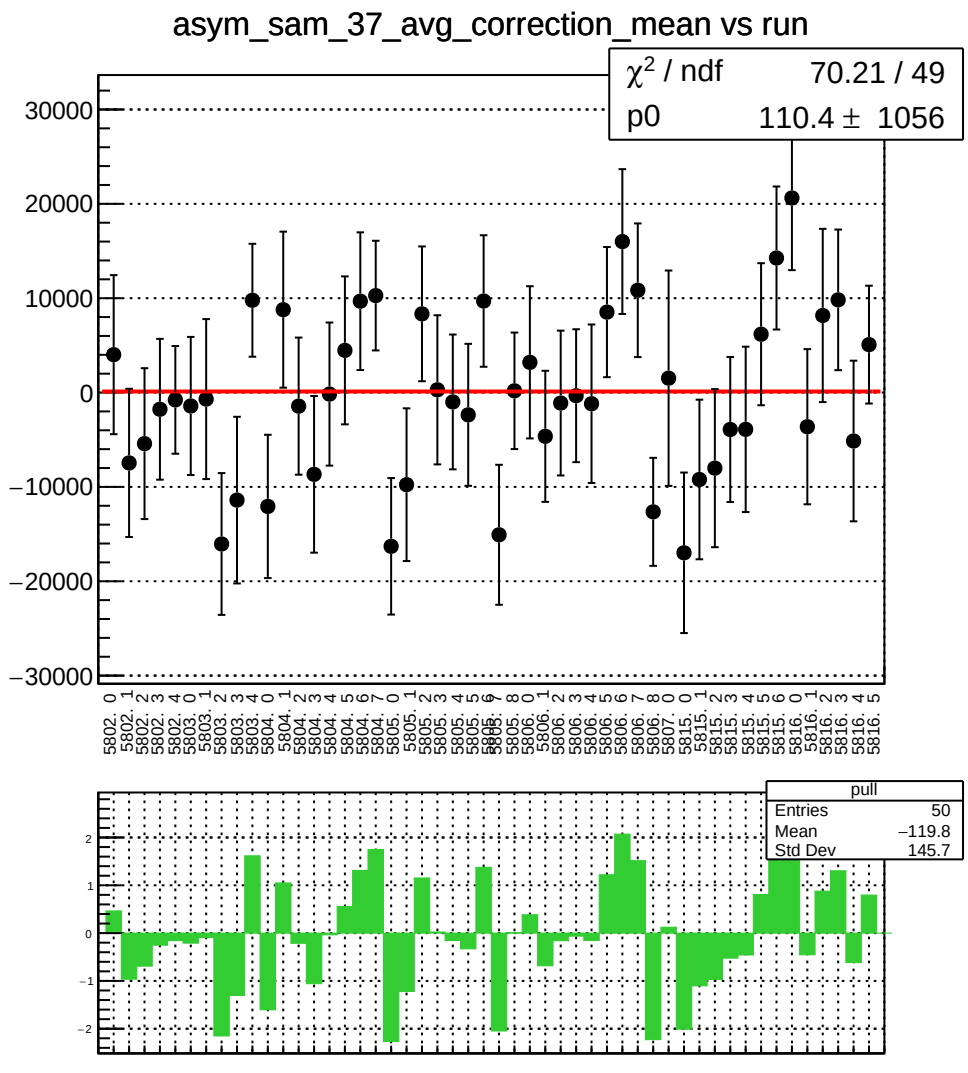

pull1D
Entries 50
Mean 0.0035
Std Dev 1.081
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

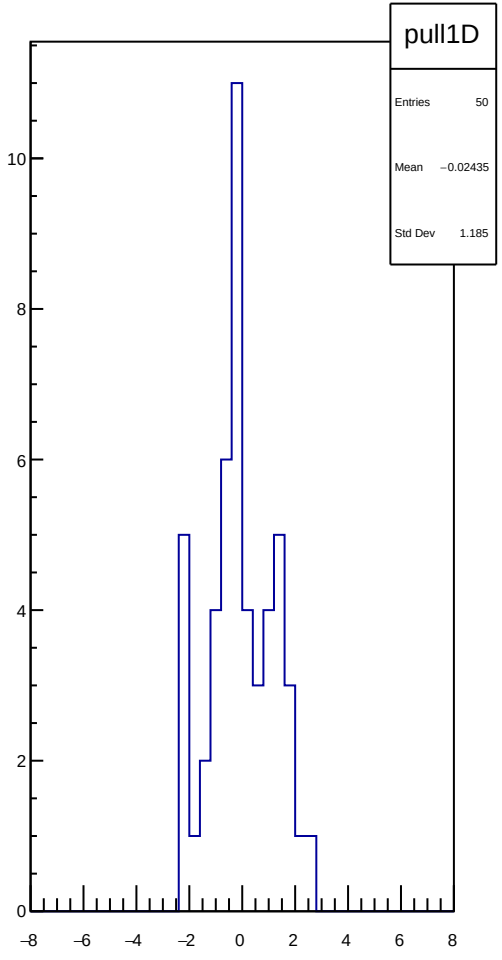

asym_sam_26_avg_rms vs run
χ² / ndf 1723 / 49
p0 2360 ± 2.401
2700
2600
2500
2400
2300
2200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

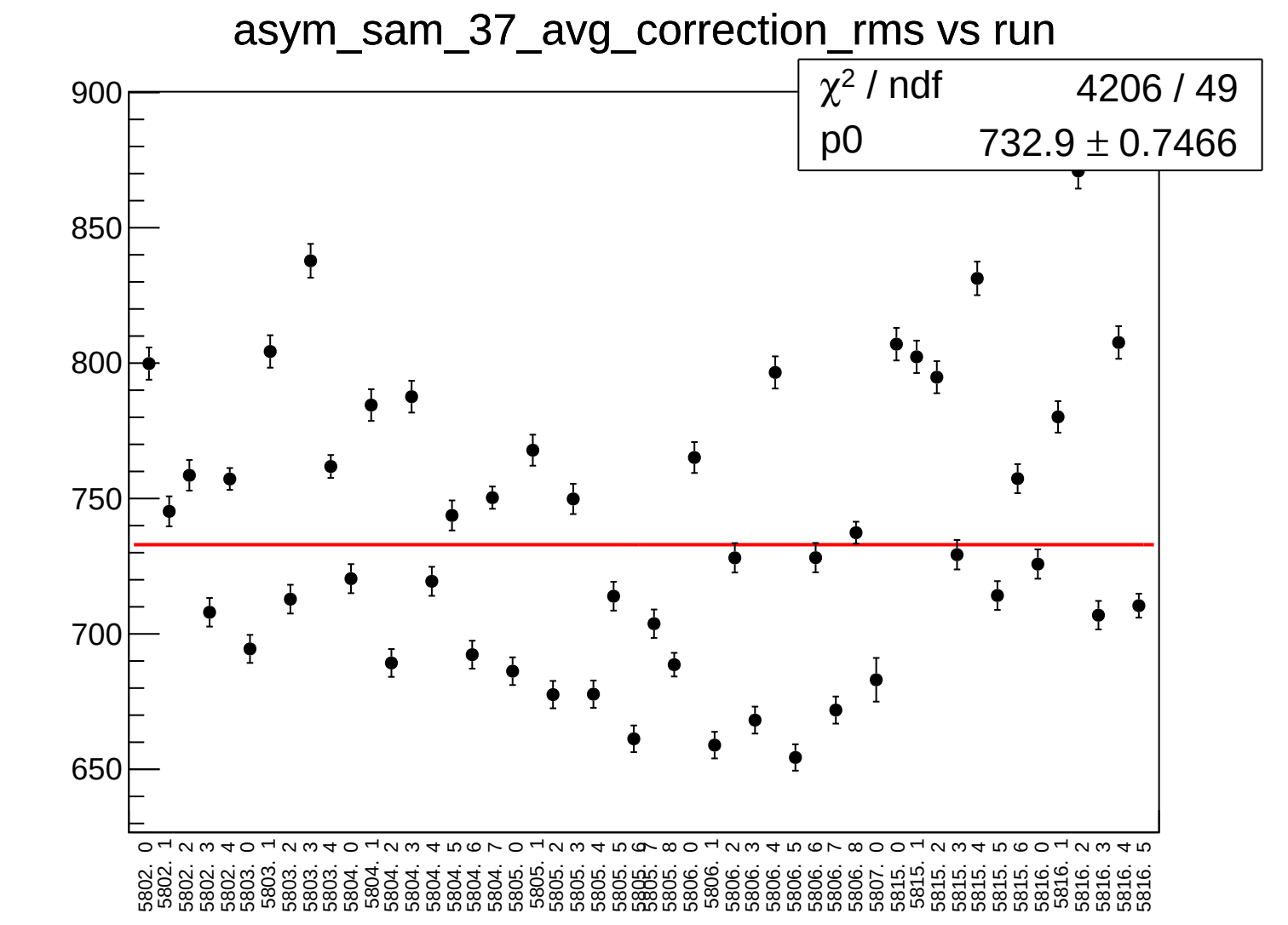

dit_asym_sam_37_avg_mean vs run
χ² / ndf 47.65 / 49
p0 22.32 ± 94.75
2000
1000
0
−1000
−2000
pull
Entries 50
Mean −72.03
Std Dev 91.69
2
1
0
−1
−2

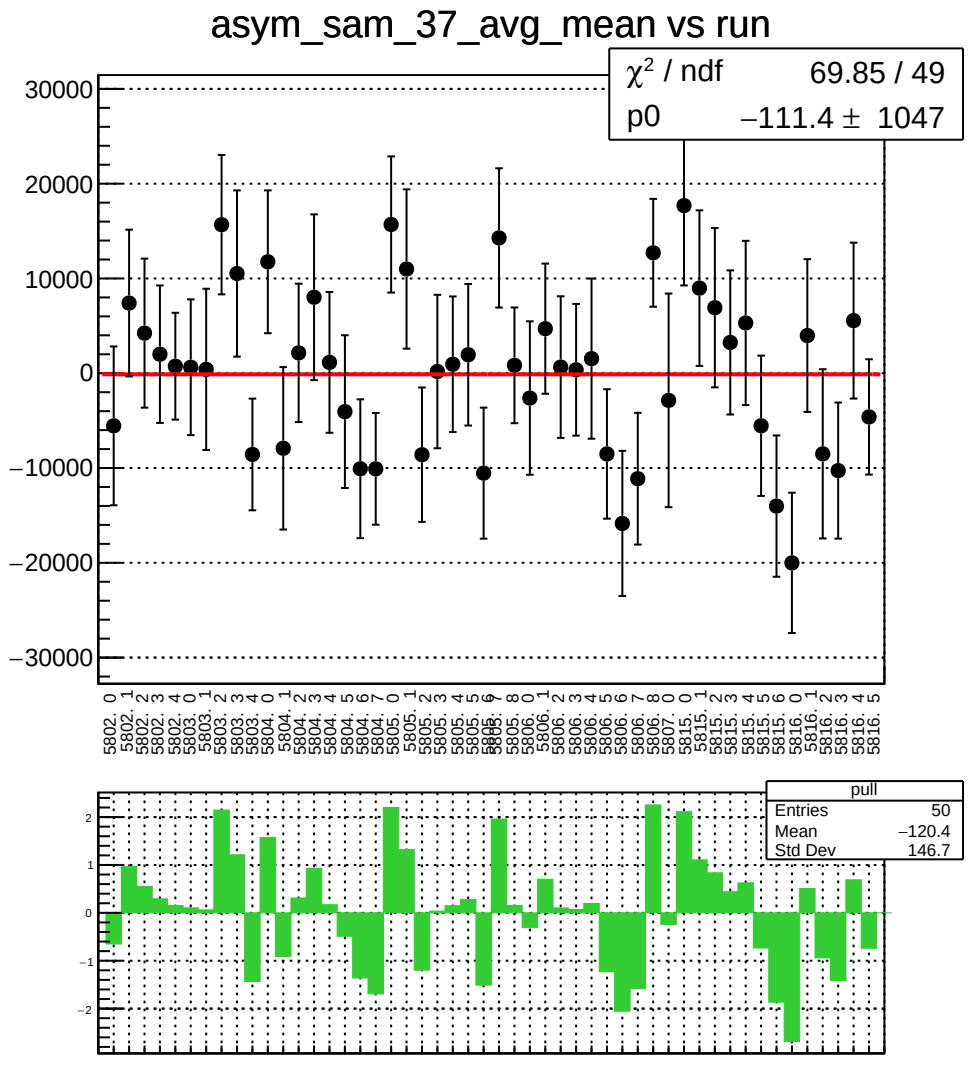

pull1D
Entries 50
Mean −0.02851
Std Dev 0.9758
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

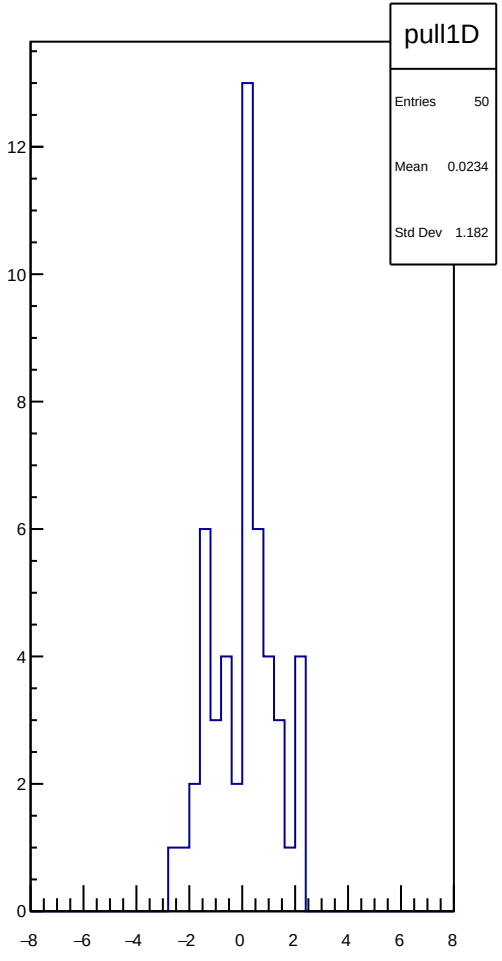

dit_asym_sam_37_avg_rms vs run
χ² / ndf 4208 / 49
p0 65.77 ± 0.067
90
85
80
75
70
65
60
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

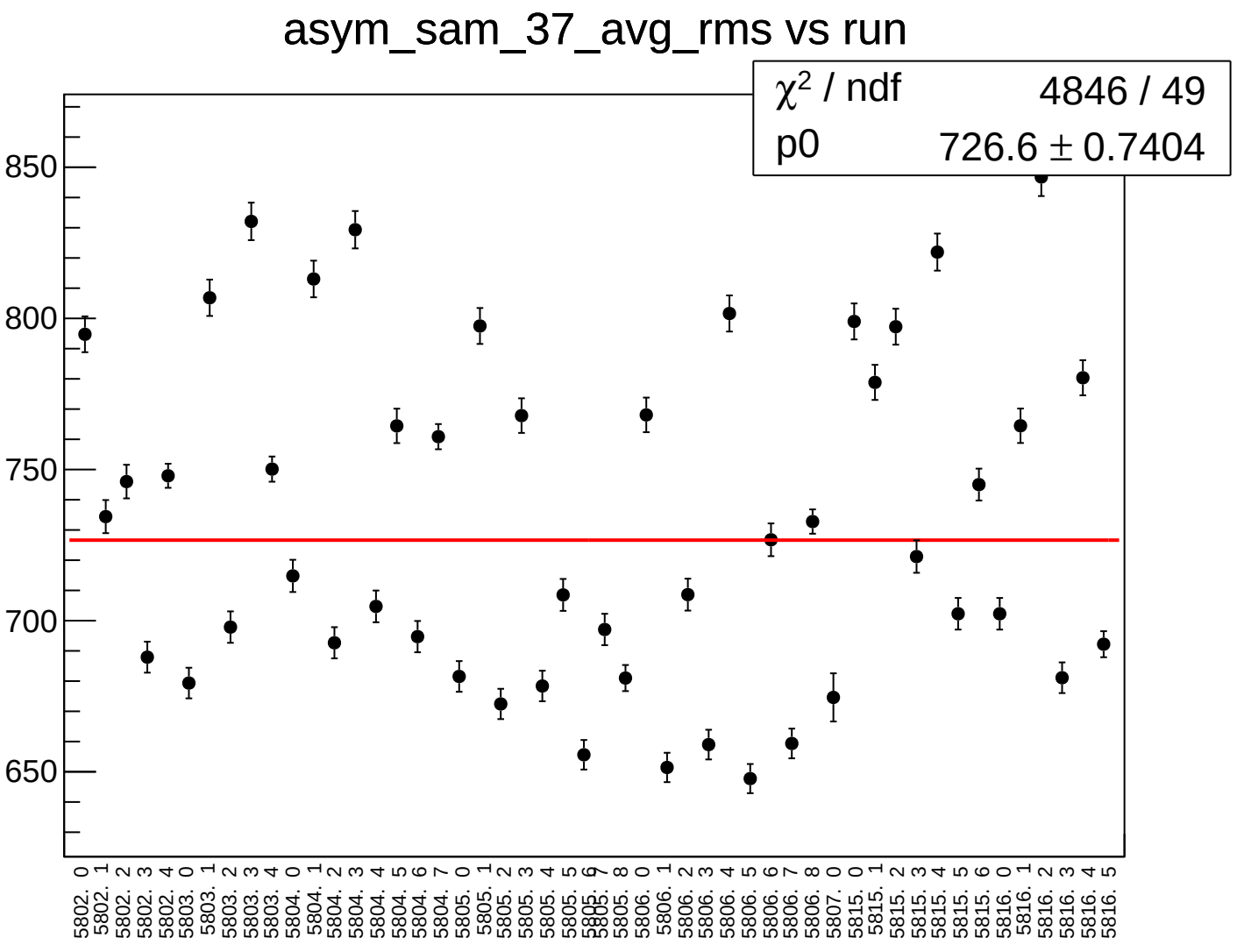

asym_sam_37_avg_correction_mean vs run
χ² / ndf 70.21 / 49
p0 110.4 ± 1056
pull
Entries 50
Mean −119.8
Std Dev 145.7

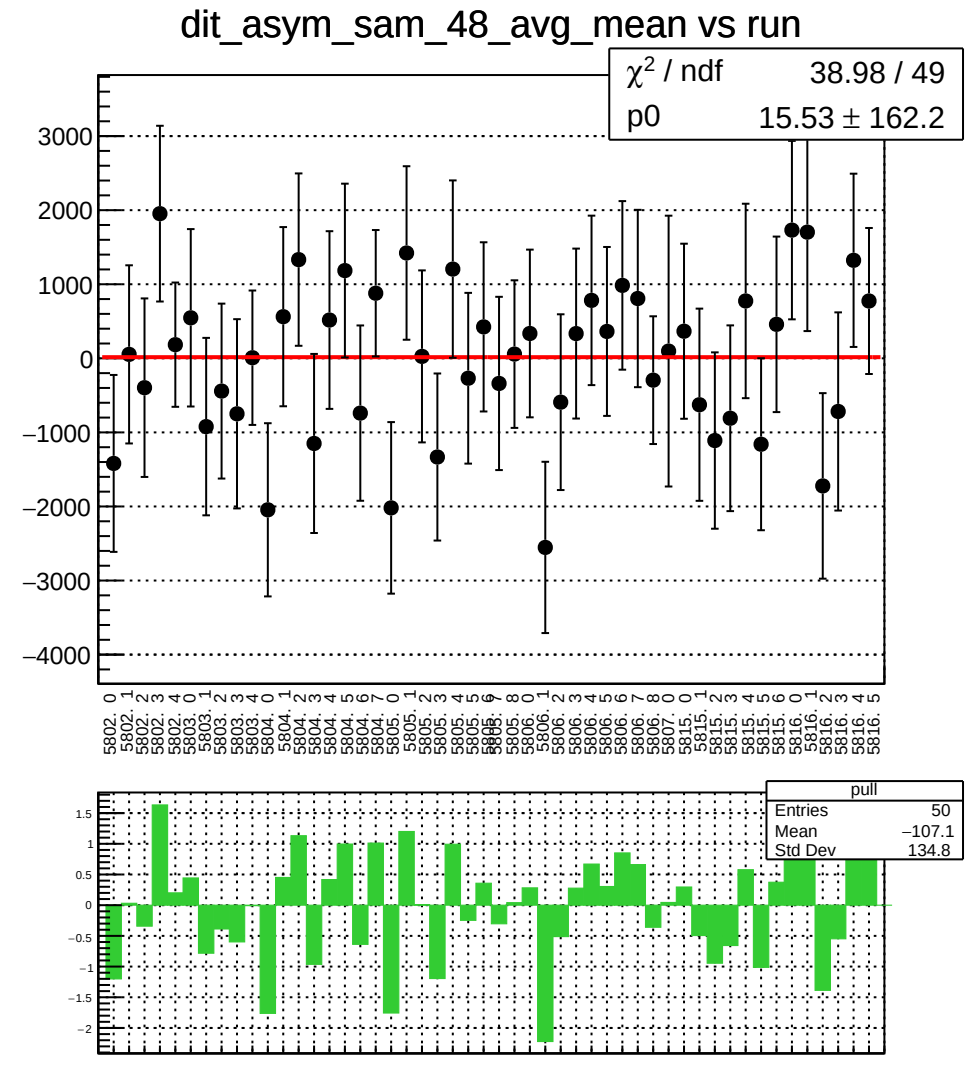

pull1D
Entries 50
Mean −0.02435
Std Dev 1.185

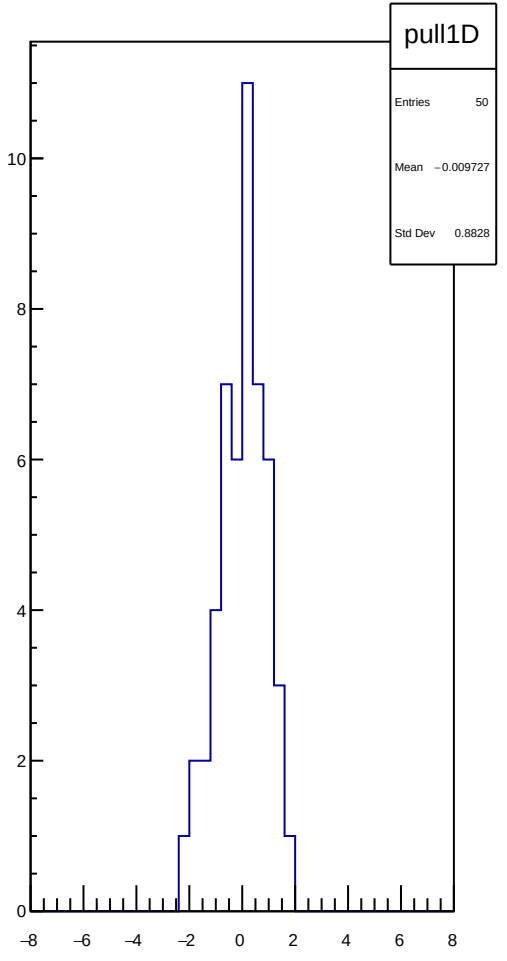

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4206 / 49
p0 732.9 ± 0.7466
900
850
800
750
700
650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

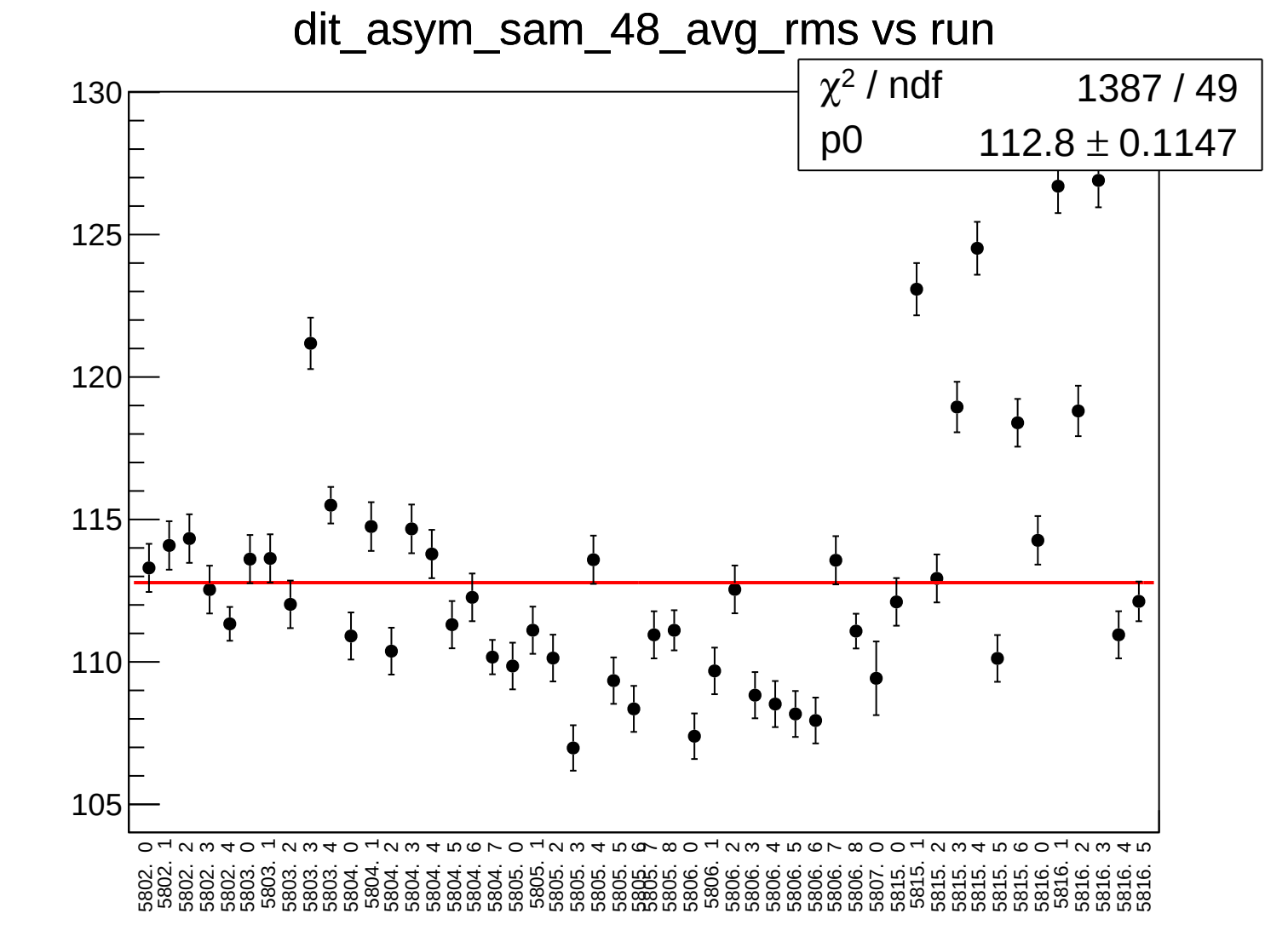

asym_sam_37_avg_mean vs run
χ² / ndf 69.85 / 49
p0 −111.4 ± 1047
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −120.4
Std Dev 146.7
2
1
0
−1
−2

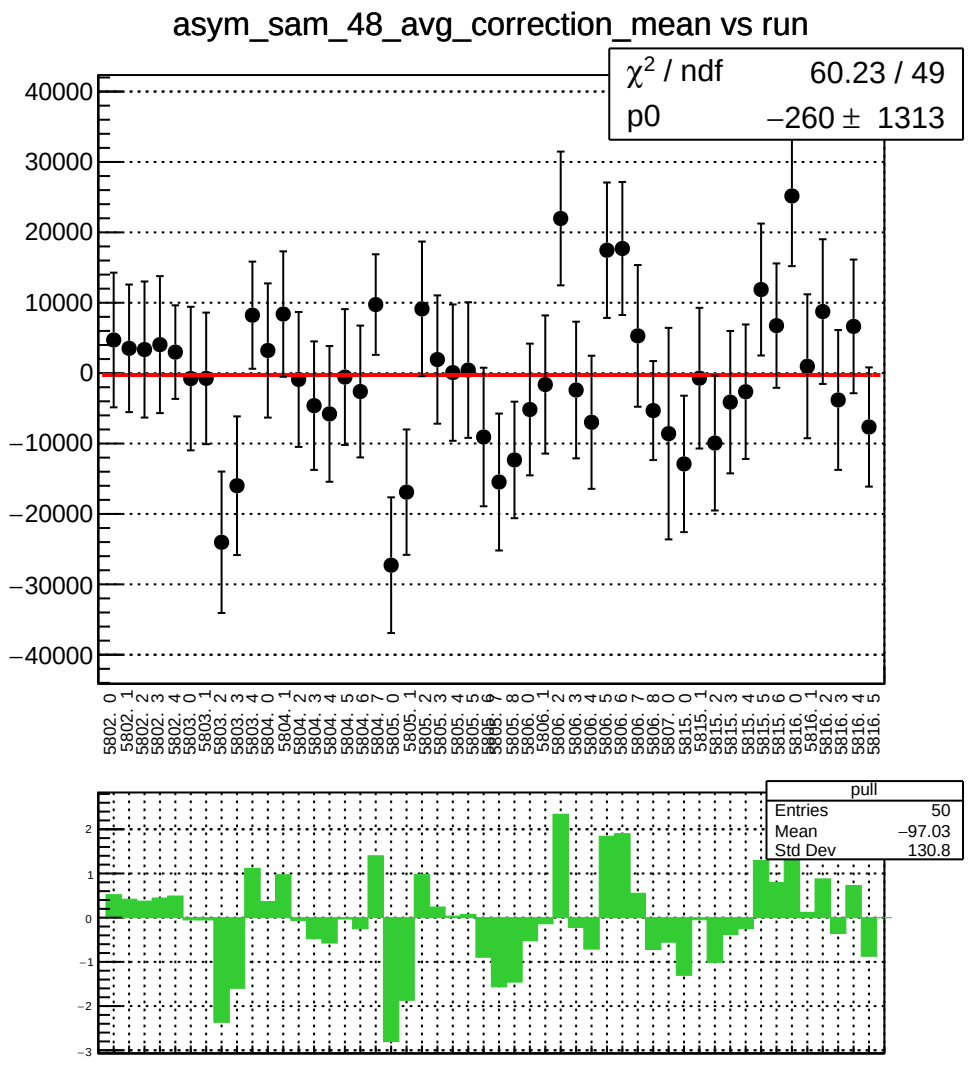

pull1D
Entries 50
Mean 0.0234
Std Dev 1.182
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

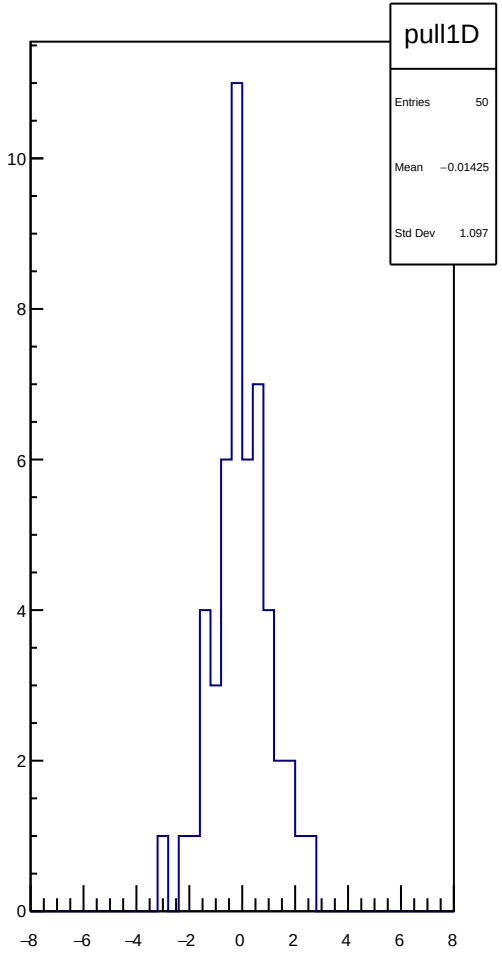

asym_sam_37_avg_rms vs run
χ² / ndf 4846 / 49
p0 726.6 ± 0.7404
850
800
750
700
650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 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

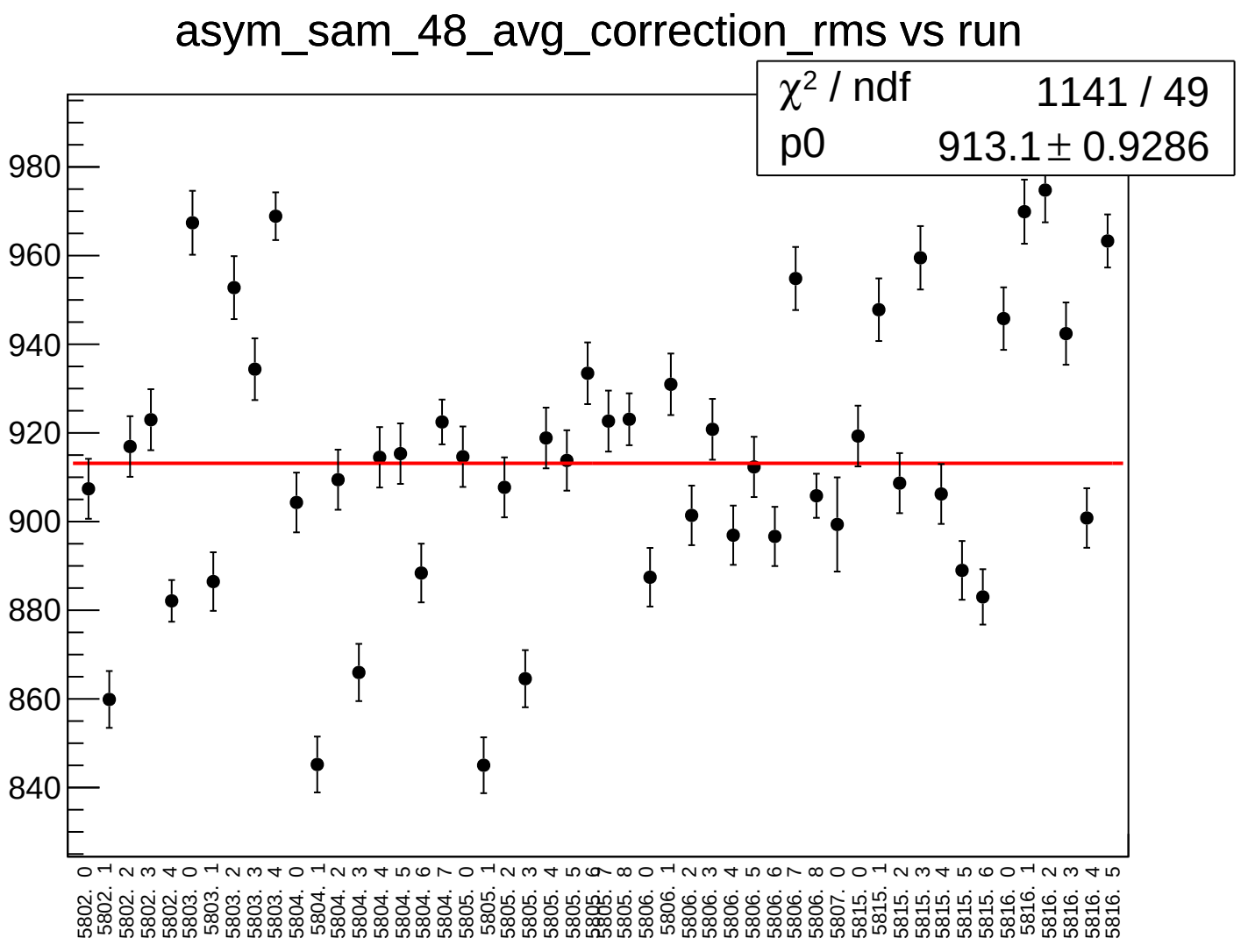

dit_asym_sam_48_avg_mean vs run
χ² / ndf 38.98 / 49
p0 15.53 ± 162.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 −107.1
Std Dev 134.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

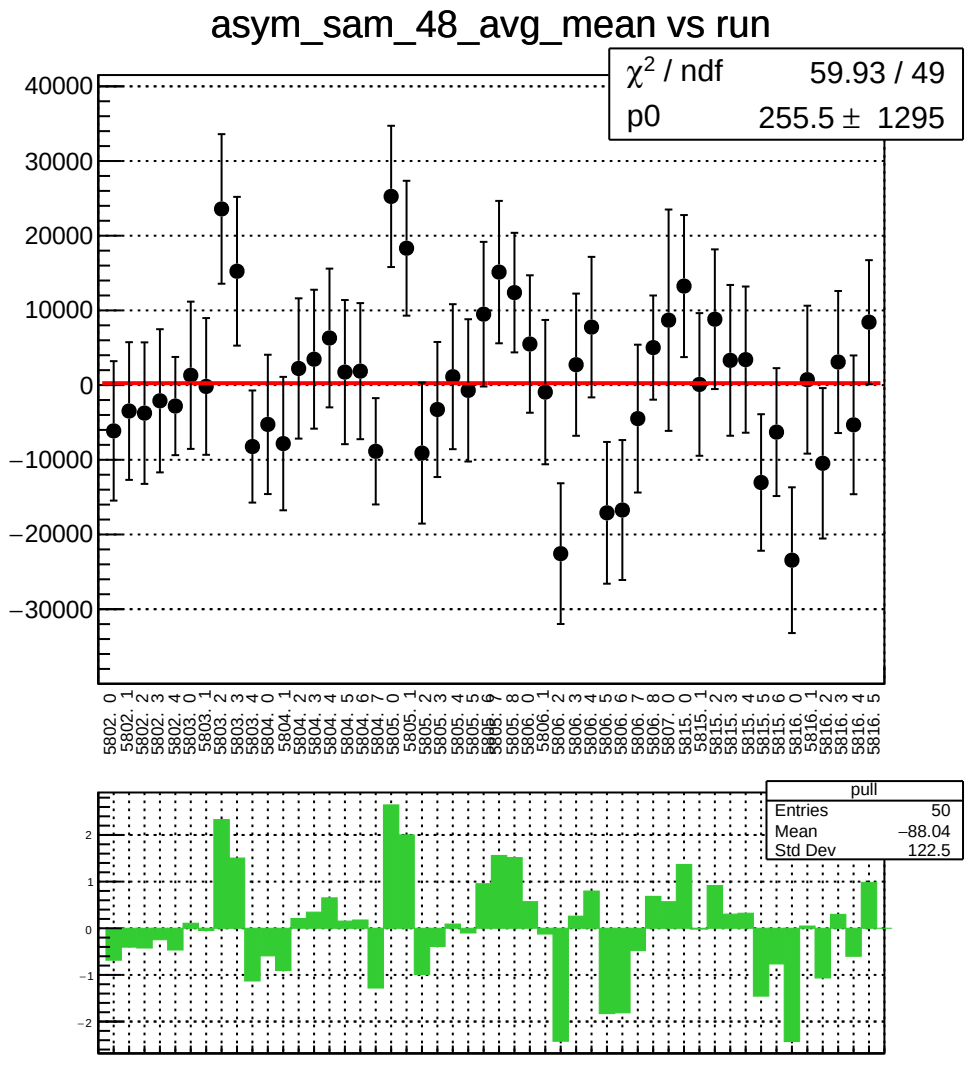

pull1D
Entries 50
Mean −0.009727
Std Dev 0.8828
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

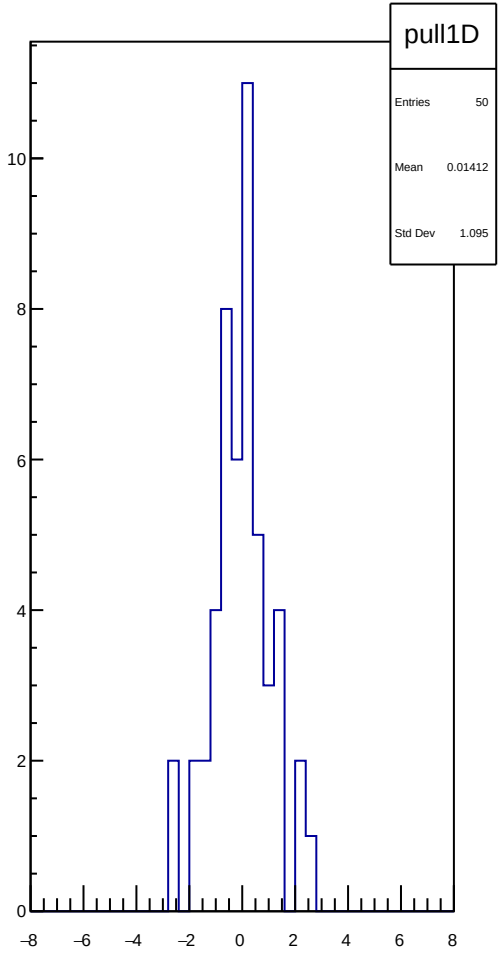

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1387 / 49
p0 112.8 ± 0.1147
130
125
120
115
110
105
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

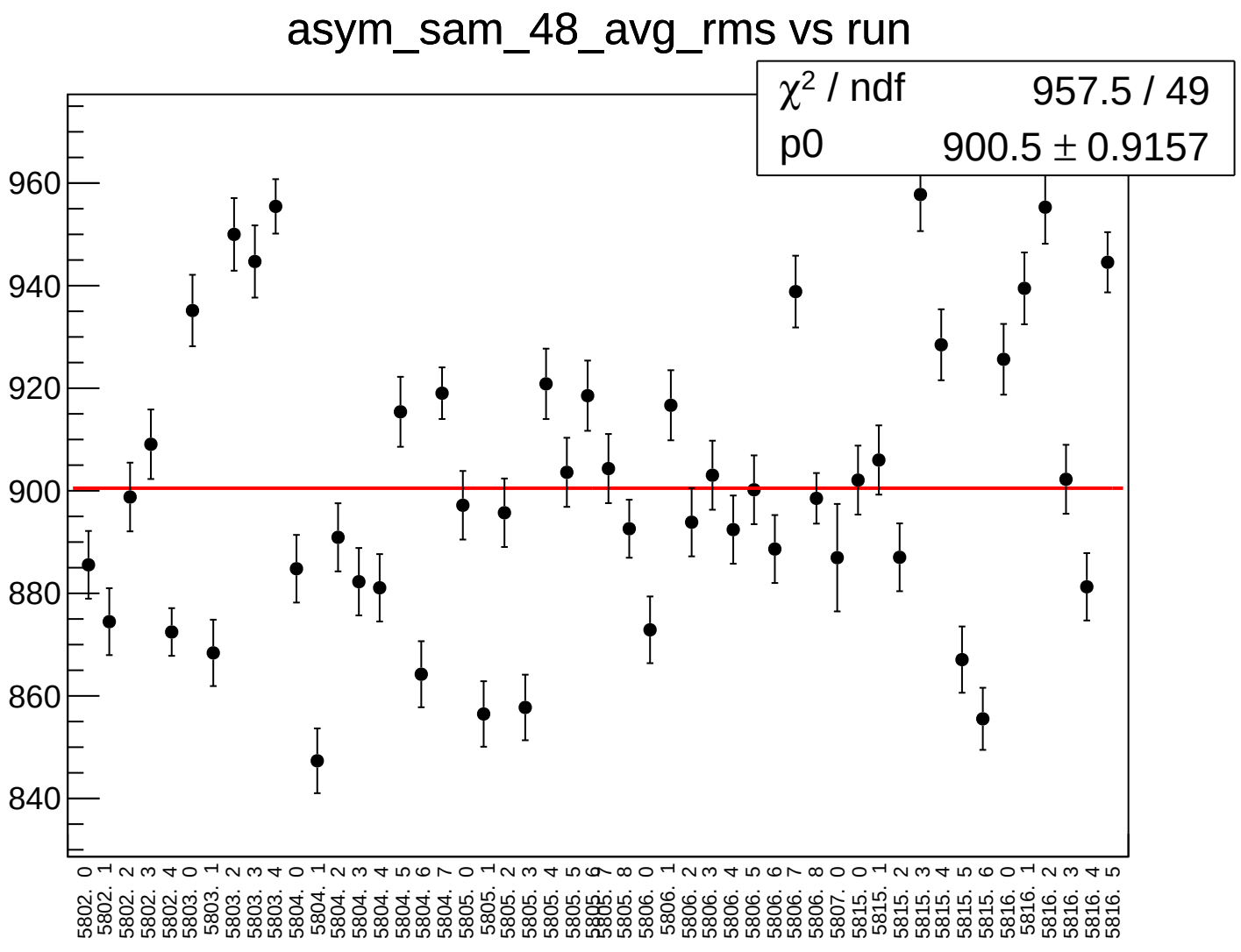

asym_sam_48_avg_correction_mean vs run
χ² / ndf 60.23 / 49
p0 −260 ± 1313
pull
Entries 50
Mean −97.03
Std Dev 130.8

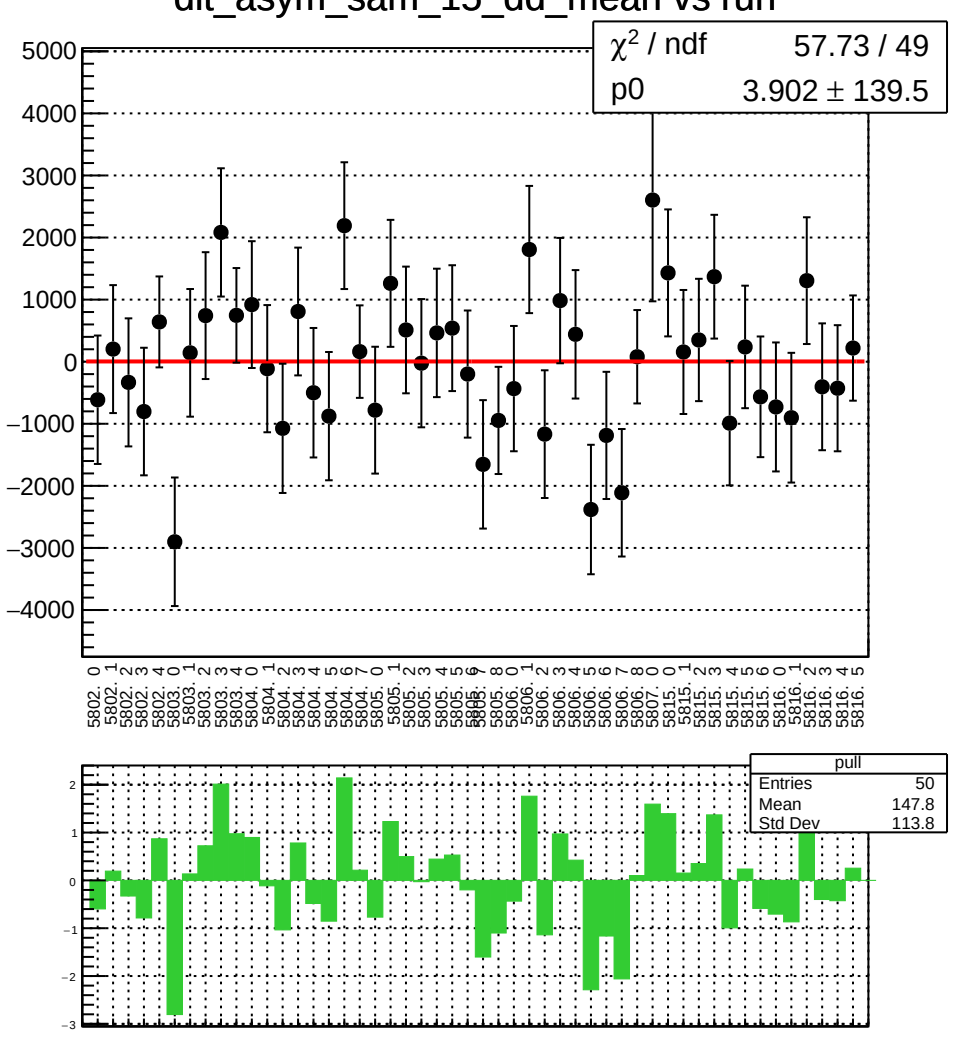

pull1D
Entries 50
Mean −0.01425
Std Dev 1.097

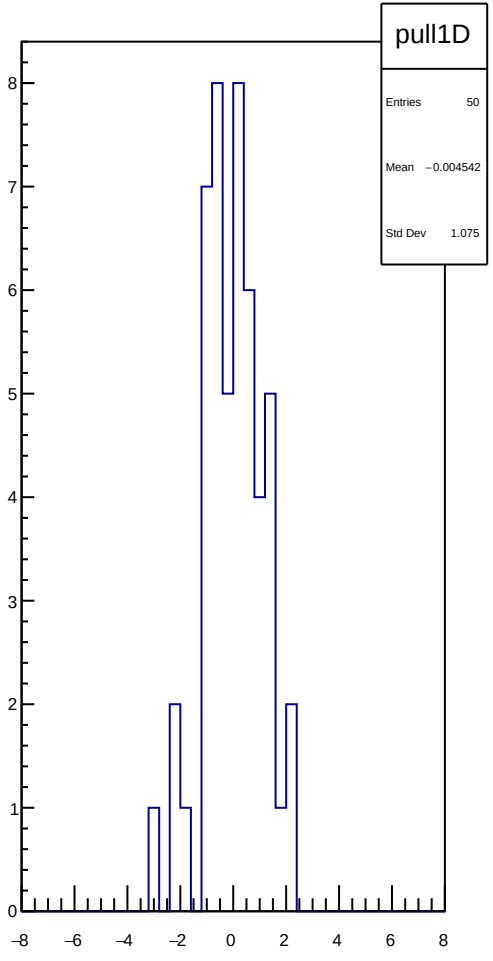

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1141 / 49
p0 913.1 ± 0.9286
980
960
940
920
900
880
860
840
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

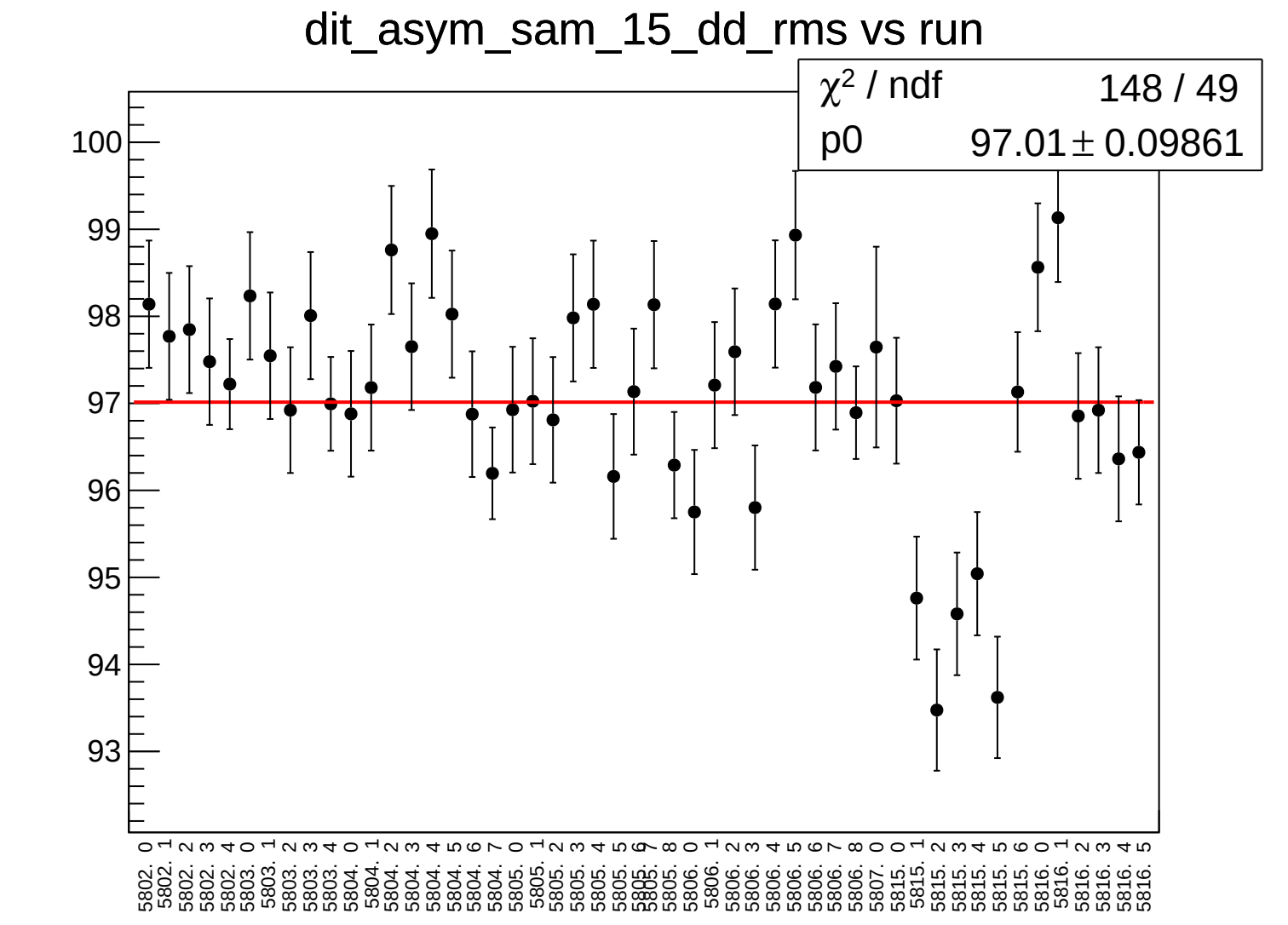

asym_sam_48_avg_mean vs run
χ² / ndf 59.93 / 49
p0 255.5 ± 1295
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −88.04
Std Dev 122.5
2
1
0
−1
−2

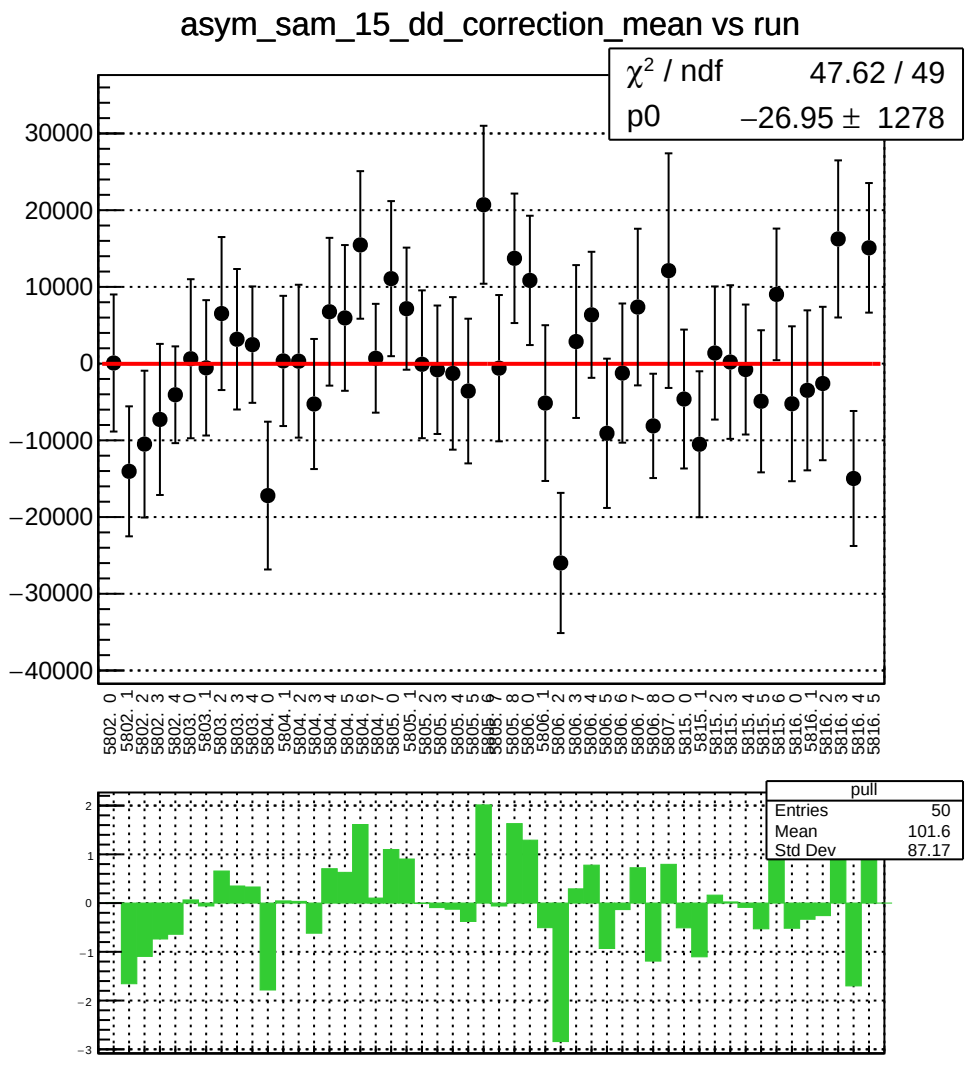

pull1D
Entries 50
Mean 0.01412
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

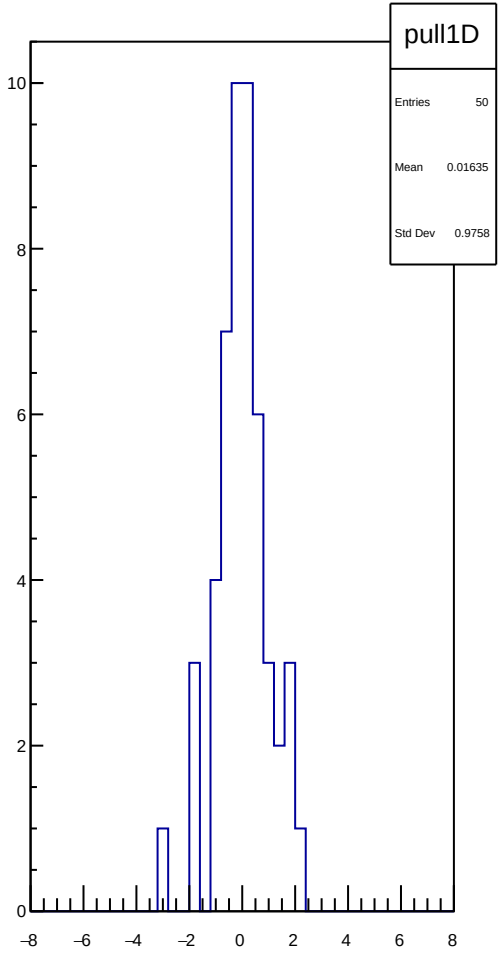

asym_sam_48_avg_rms vs run
χ² / ndf 957.5 / 49
p0 900.5 ± 0.9157
960
940
920
900
880
860
840
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

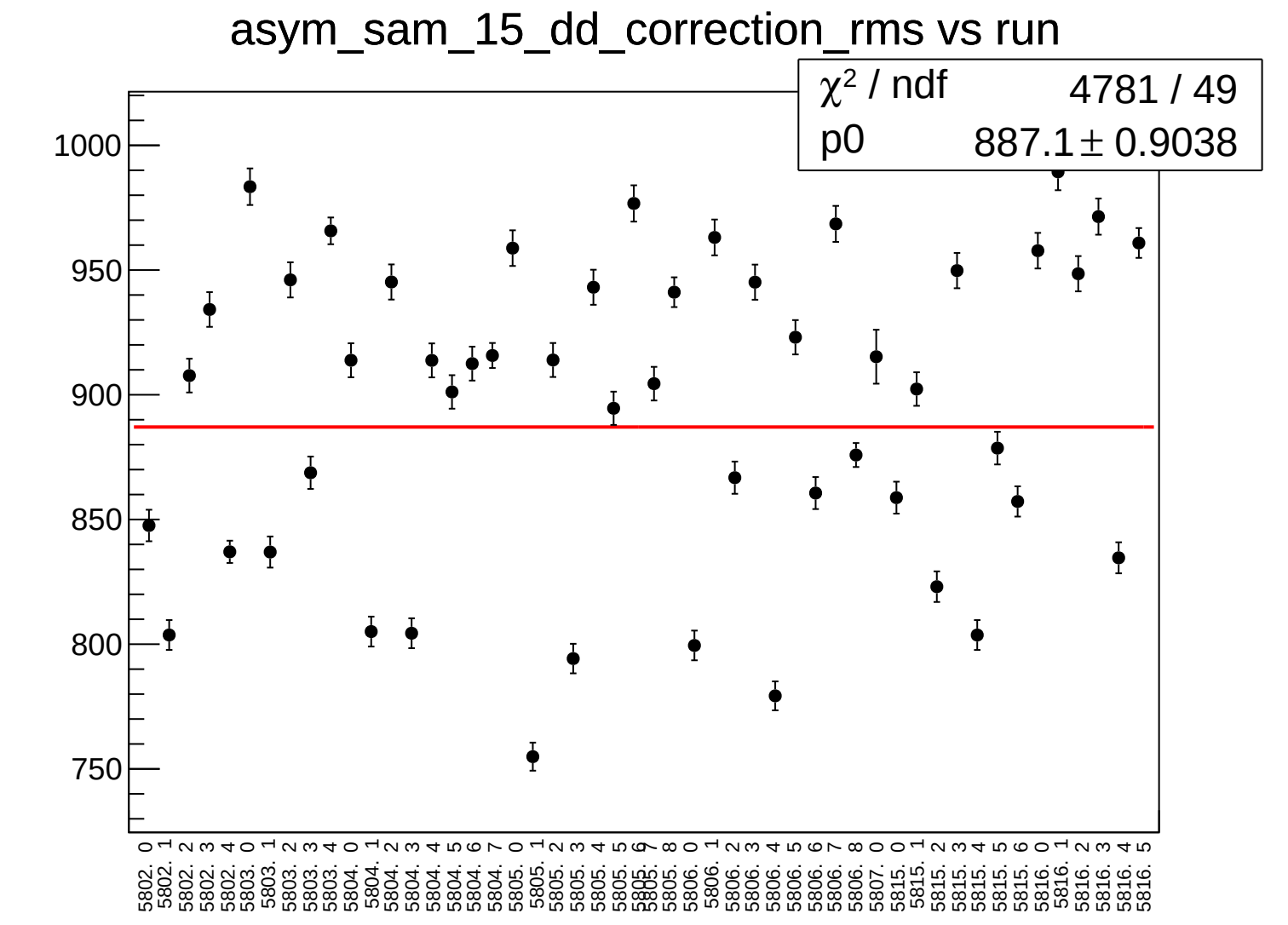

dit_asym_sam_15_dd_mean vs run
χ² / ndf 57.73 / 49
p0 3.902 ± 139.5
pull
Entries 50
Mean 147.8
Std Dev 113.8

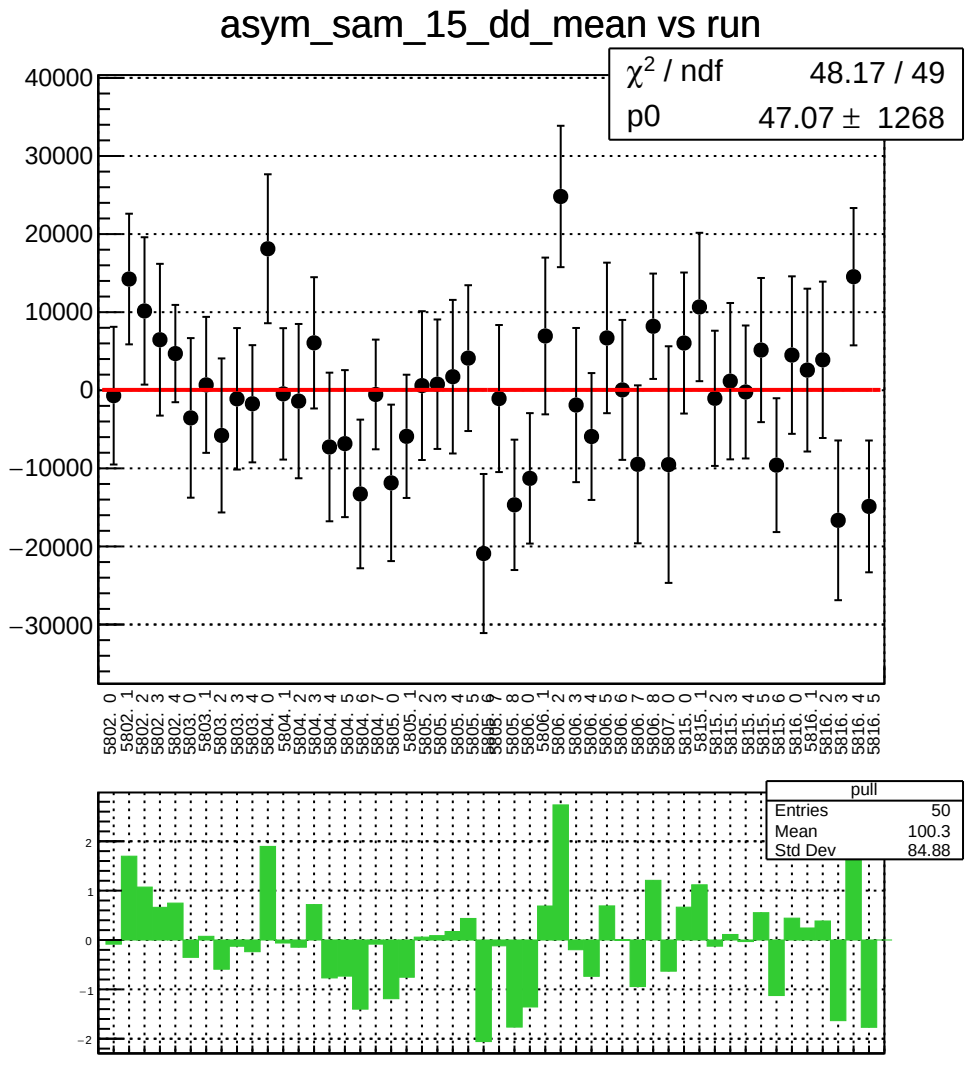

pull1D
Entries 50
Mean −0.004542
Std Dev 1.075

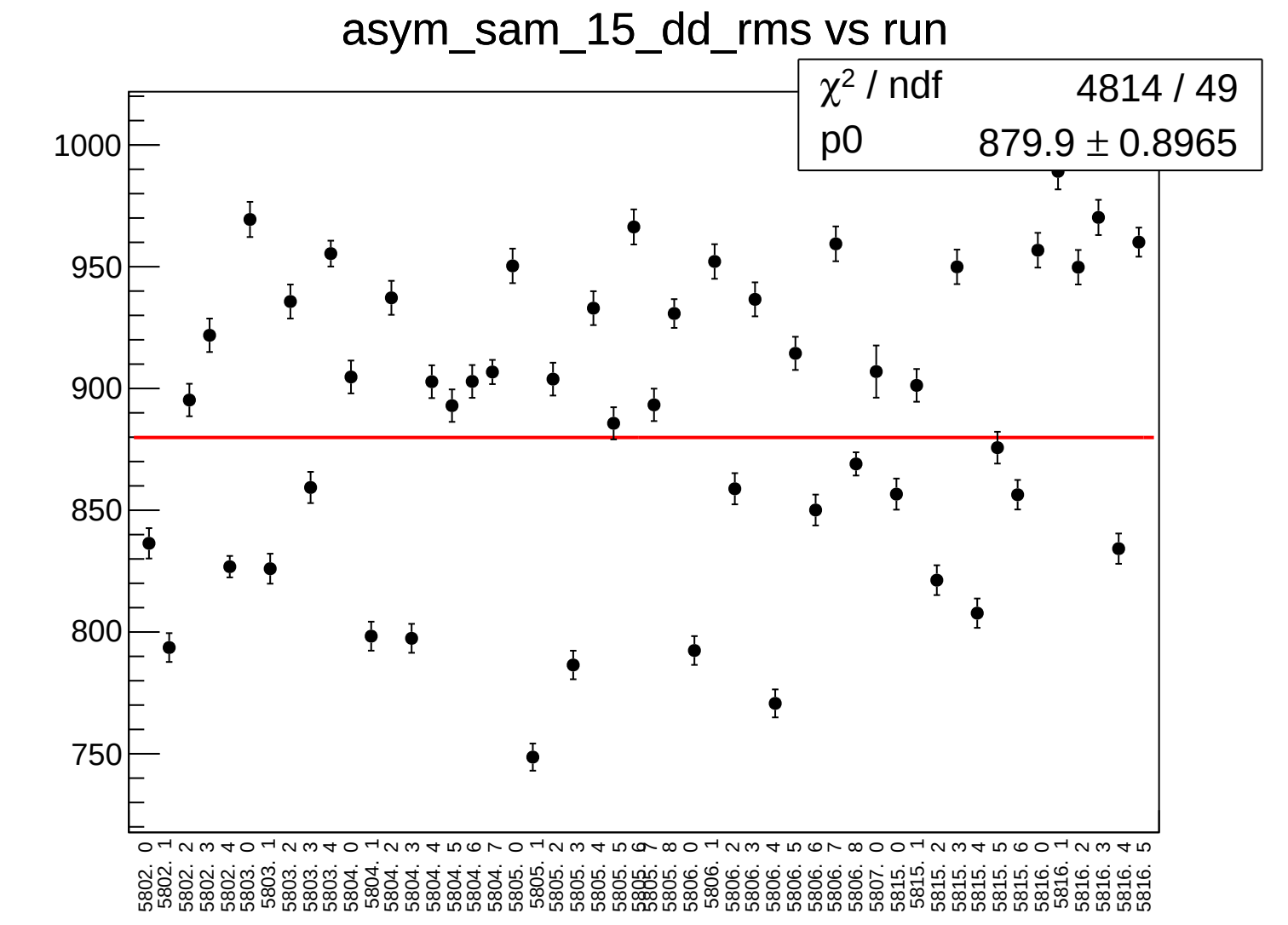

dit_asym_sam_15_dd_rms vs run
χ² / ndf 148 / 49
p0 97.01 ± 0.09861
100
99
98
97
96
95
94
93
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

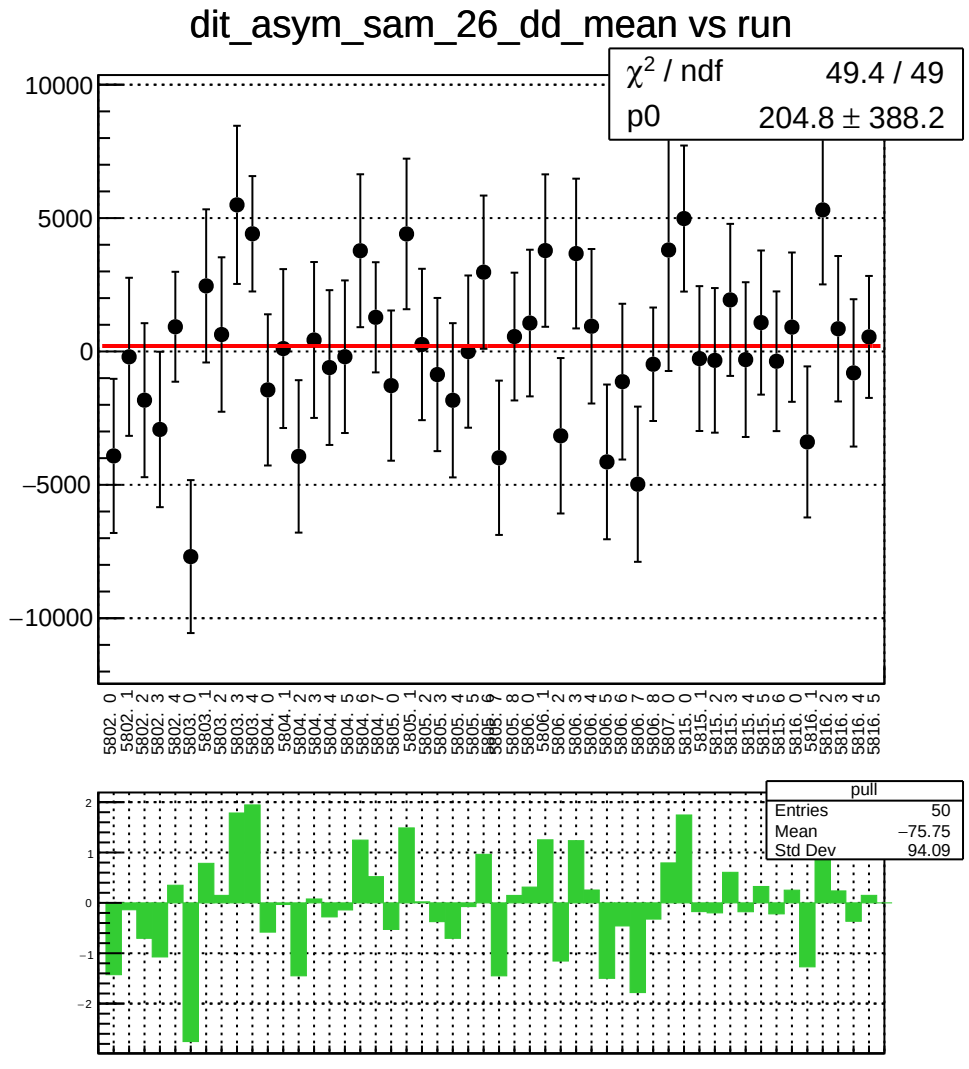

asym_sam_15_dd_correction_mean vs run
χ² / ndf 47.62 / 49
p0 −26.95 ± 1278
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean 101.6
Std Dev 87.17
2
1
0
−1
−2
−3

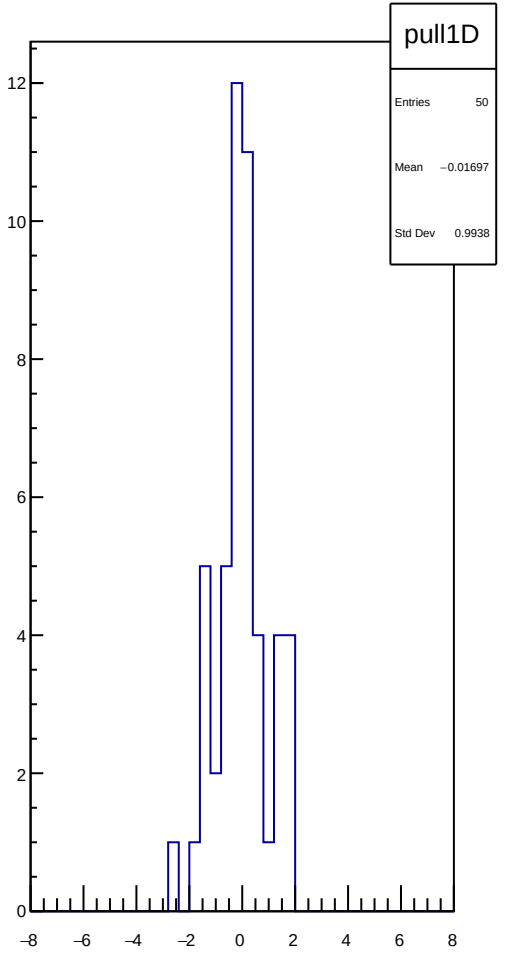

pull1D
Entries 50
Mean 0.01635
Std Dev 0.9758
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

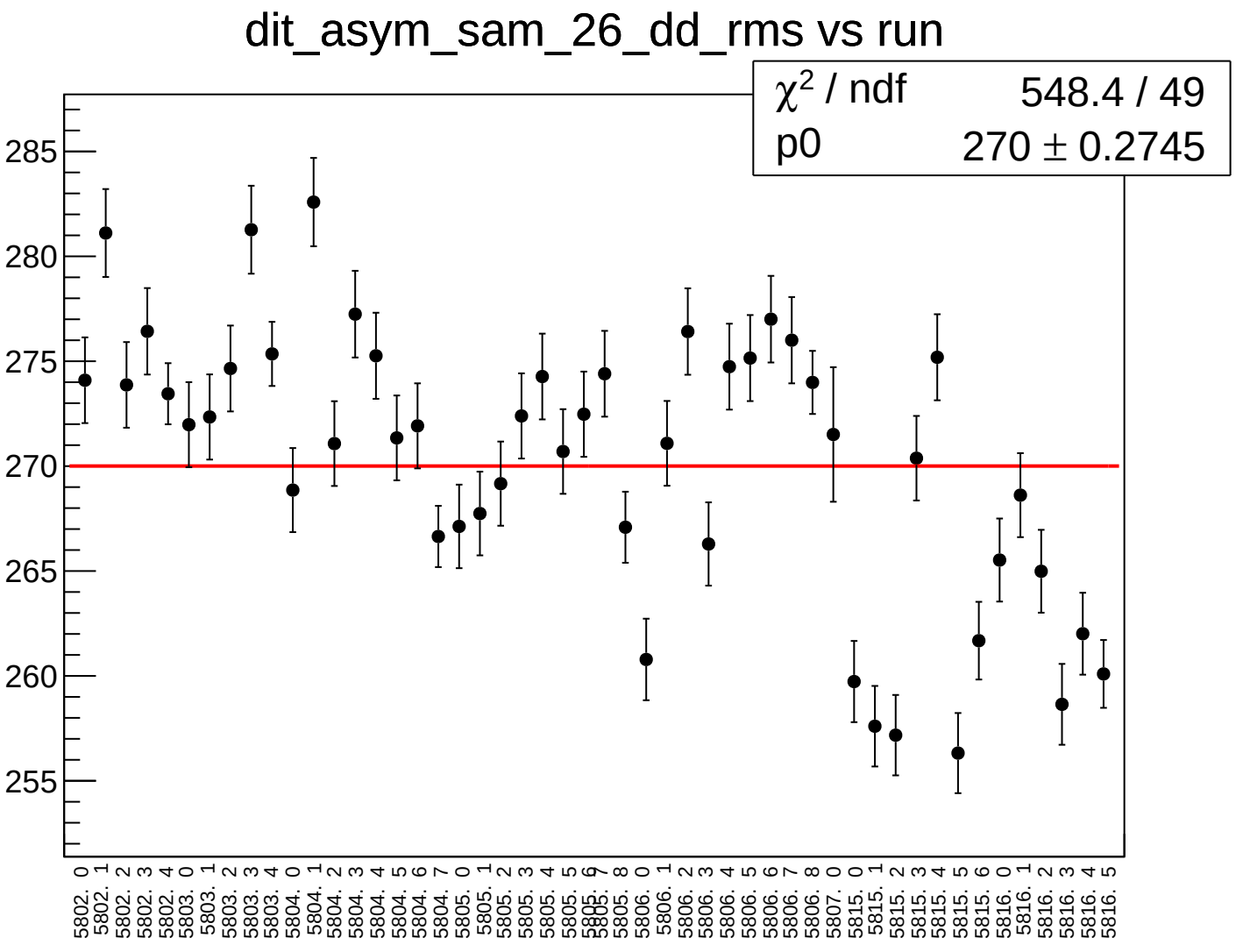

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4781 / 49
p0 887.1 ± 0.9038
1000
950
900
850
800
750
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

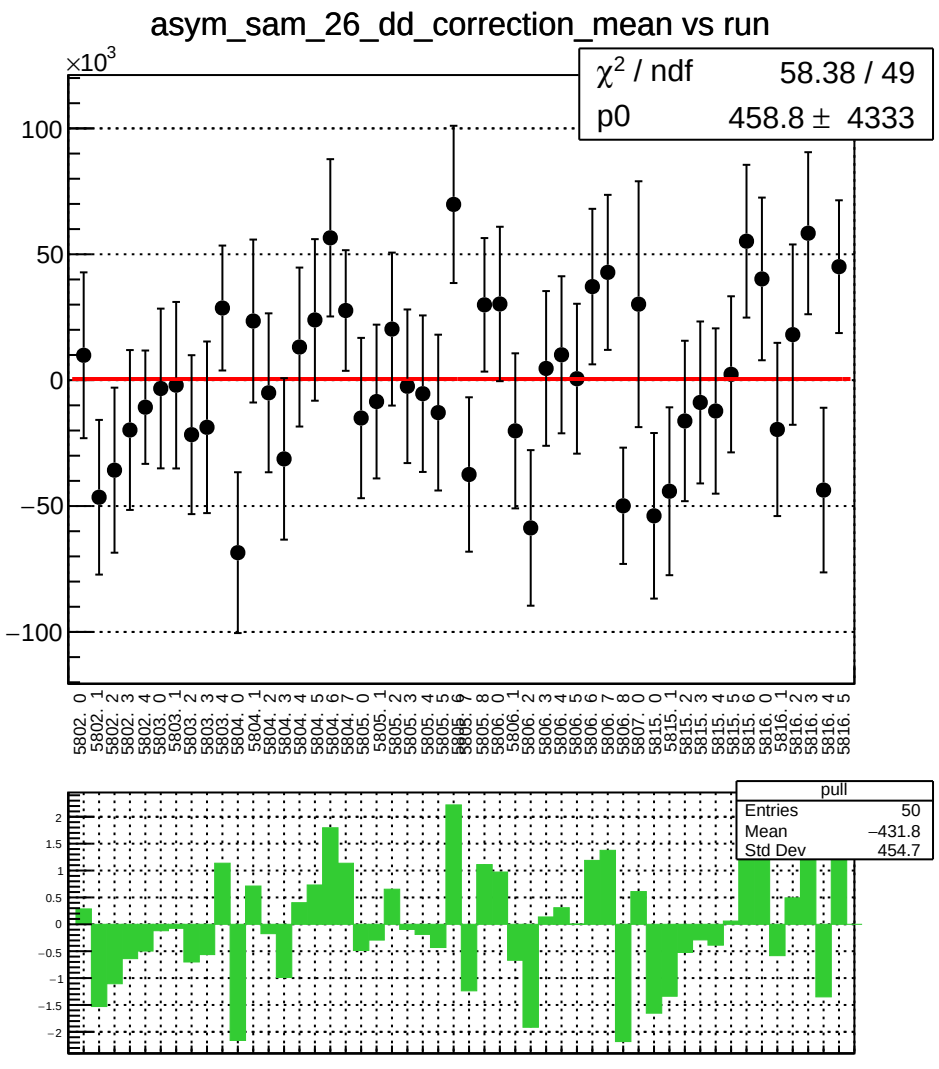

asym_sam_15_dd_mean vs run
χ² / ndf 48.17 / 49
p0 47.07 ± 1268
40000
30000
20000
10000
0
−10000
−20000
−30000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
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 100.3
Std Dev 84.88
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.01794
Std Dev 0.9814
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

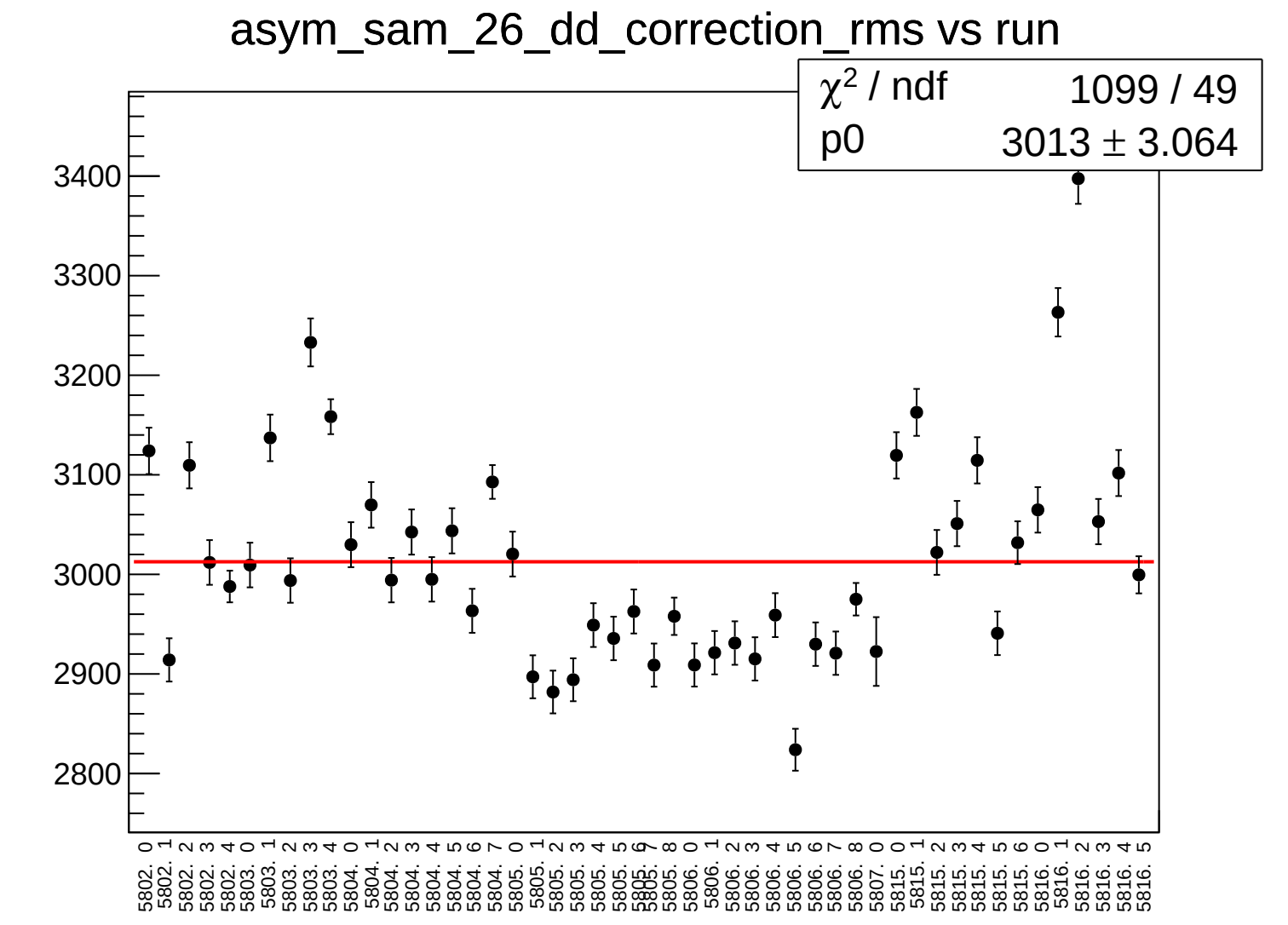

asym_sam_15_dd_rms vs run
χ² / ndf 4814 / 49
p0 879.9 ± 0.8965
1000
950
900
850
800
750
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

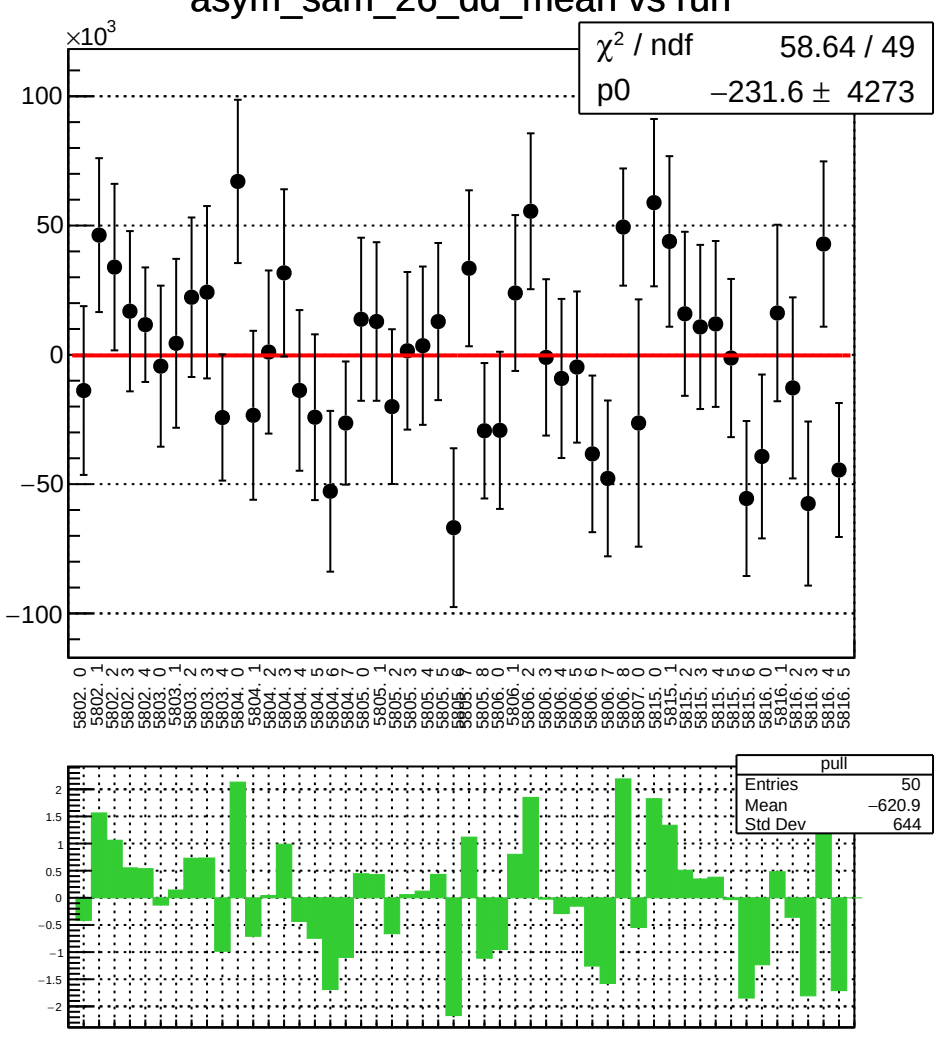

dit_asym_sam_26_dd_mean vs run
χ² / ndf 49.4 / 49
p0 204.8 ± 388.2
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −75.75
Std Dev 94.09
2
1
0
−1
−2

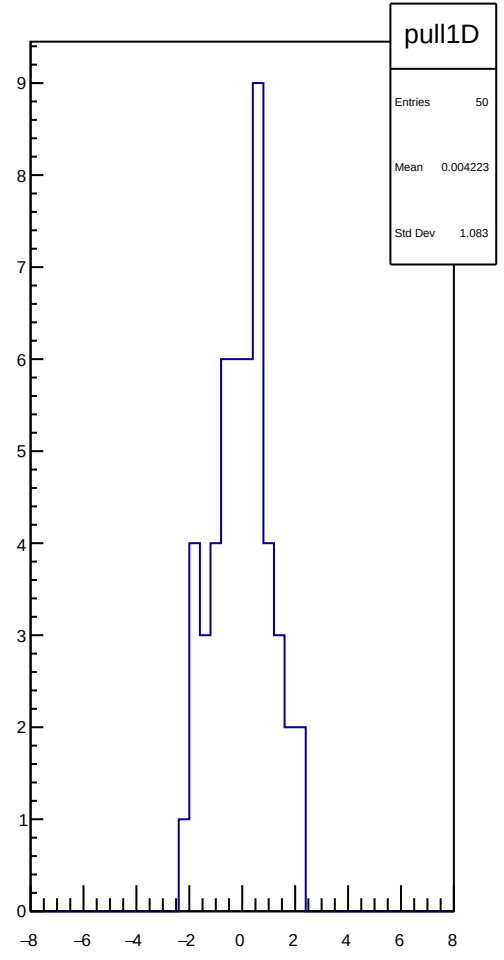

pull1D
Entries 50
Mean −0.01697
Std Dev 0.9938
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

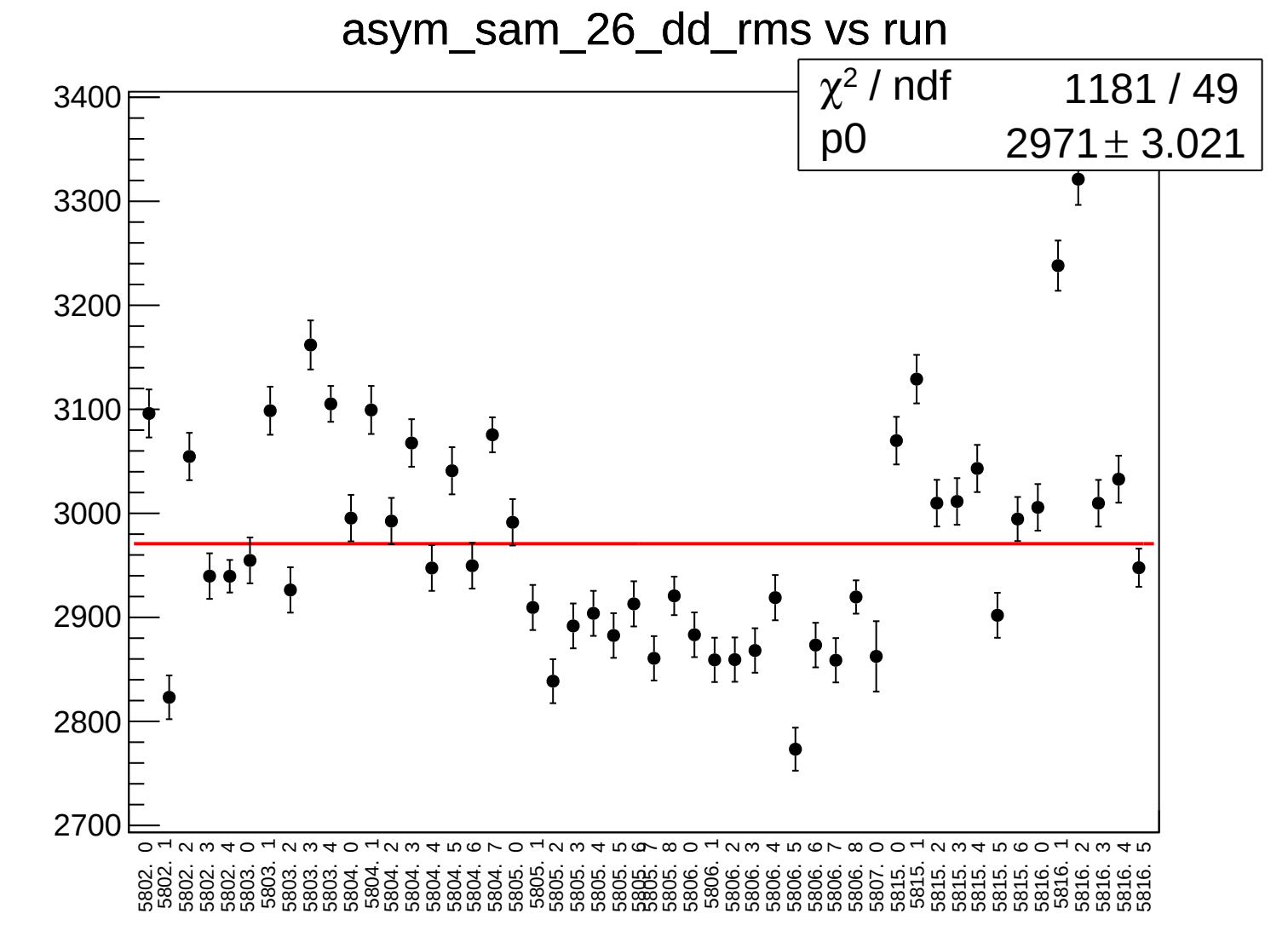

dit_asym_sam_26_dd_rms vs run
χ² / ndf 548.4 / 49
p0 270 ± 0.2745
285
280
275
270
265
260
255
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

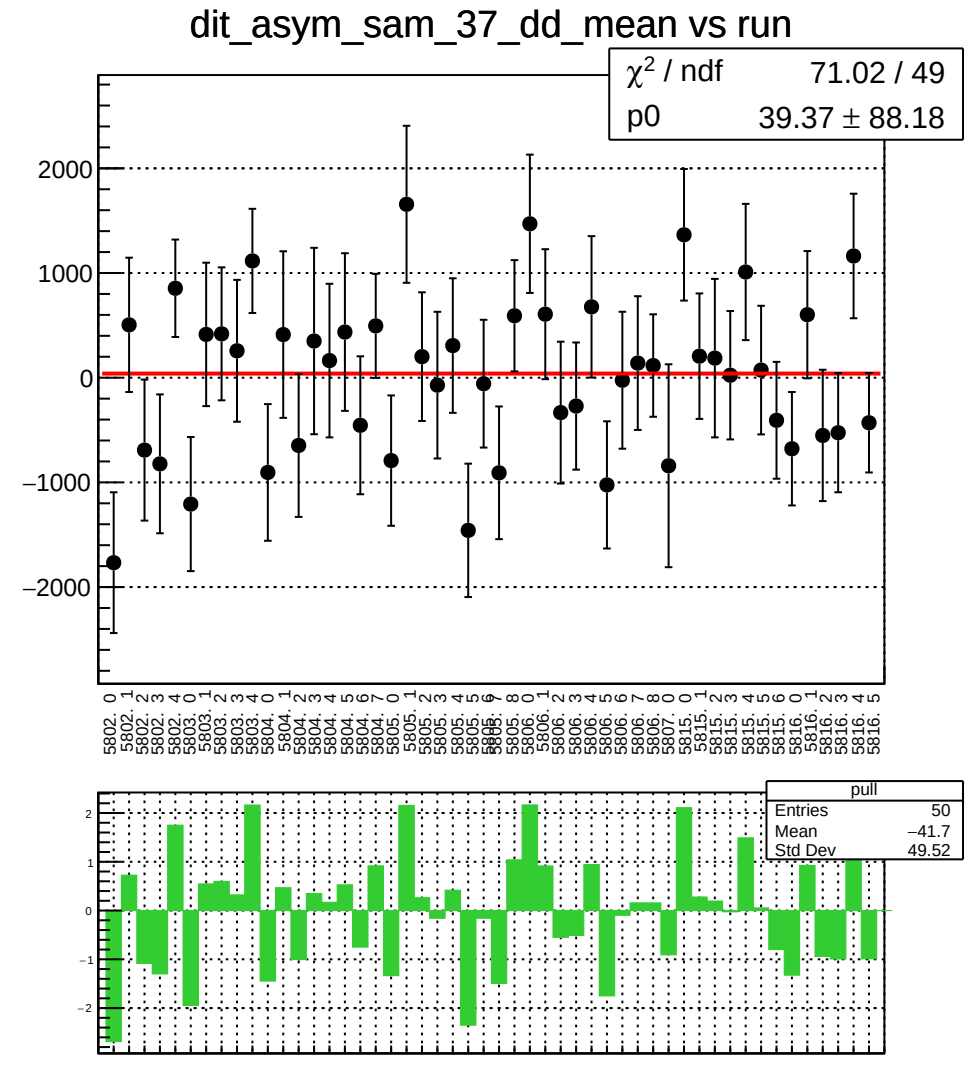

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 58.38 / 49
p0 458.8 ± 4333
100
50
0
−50
−100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 −431.8
Std Dev 454.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.006151
Std Dev 1.08
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

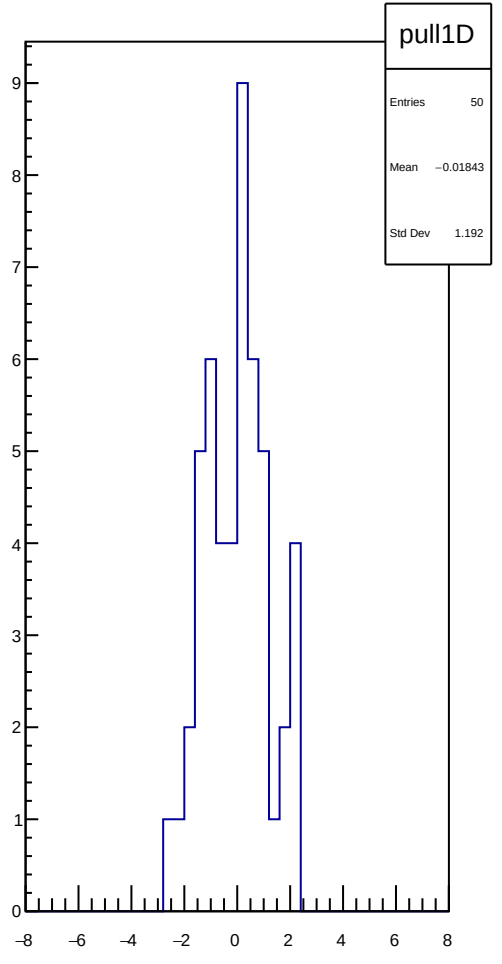

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1099 / 49
p0 3013 ± 3.064
3400
3300
3200
3100
3000
2900
2800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

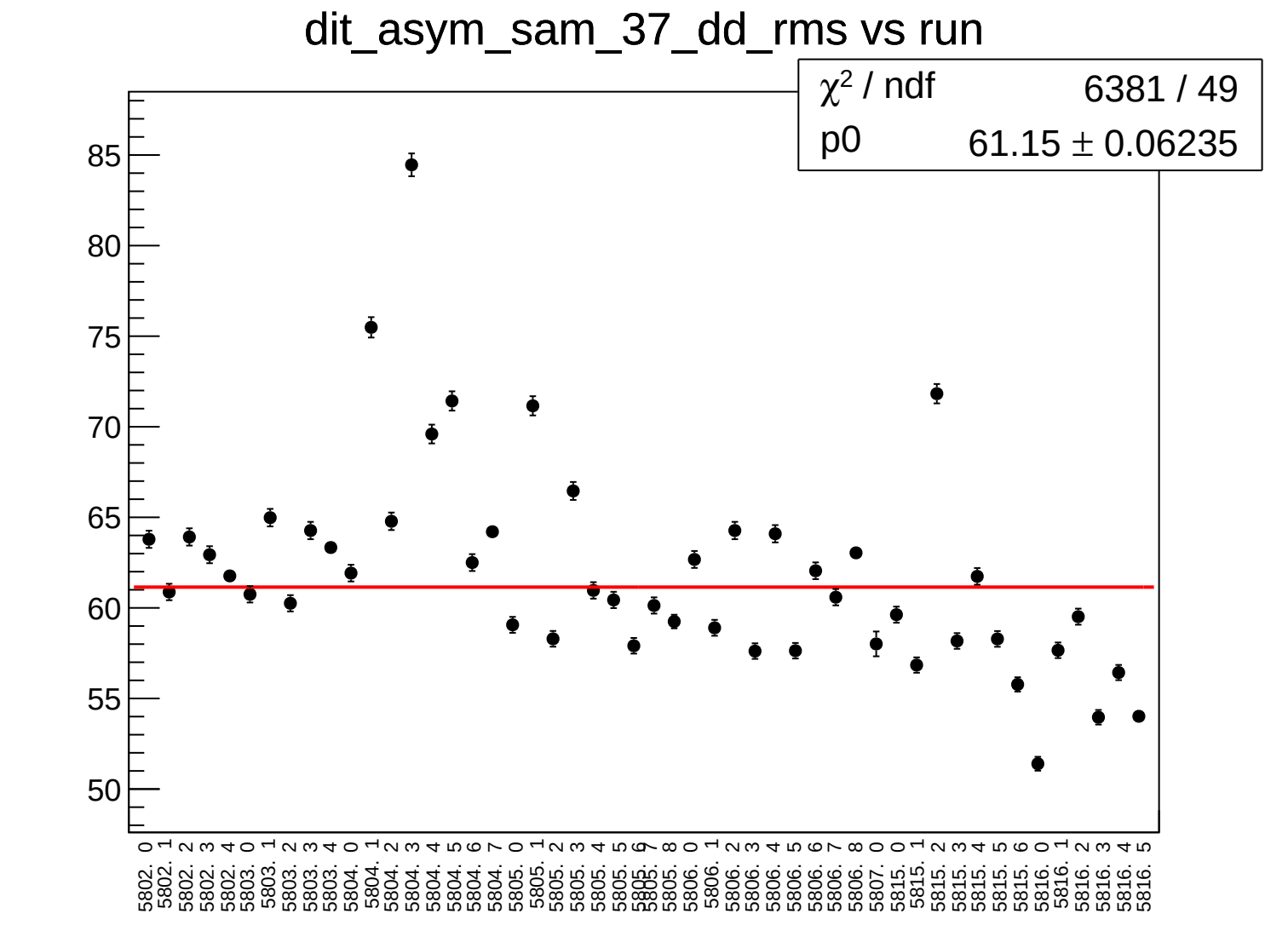

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 58.64 / 49
p0 −231.6 ± 4273
100
50
0
−50
−100
pull
Entries 50
Mean −620.9
Std Dev 644
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

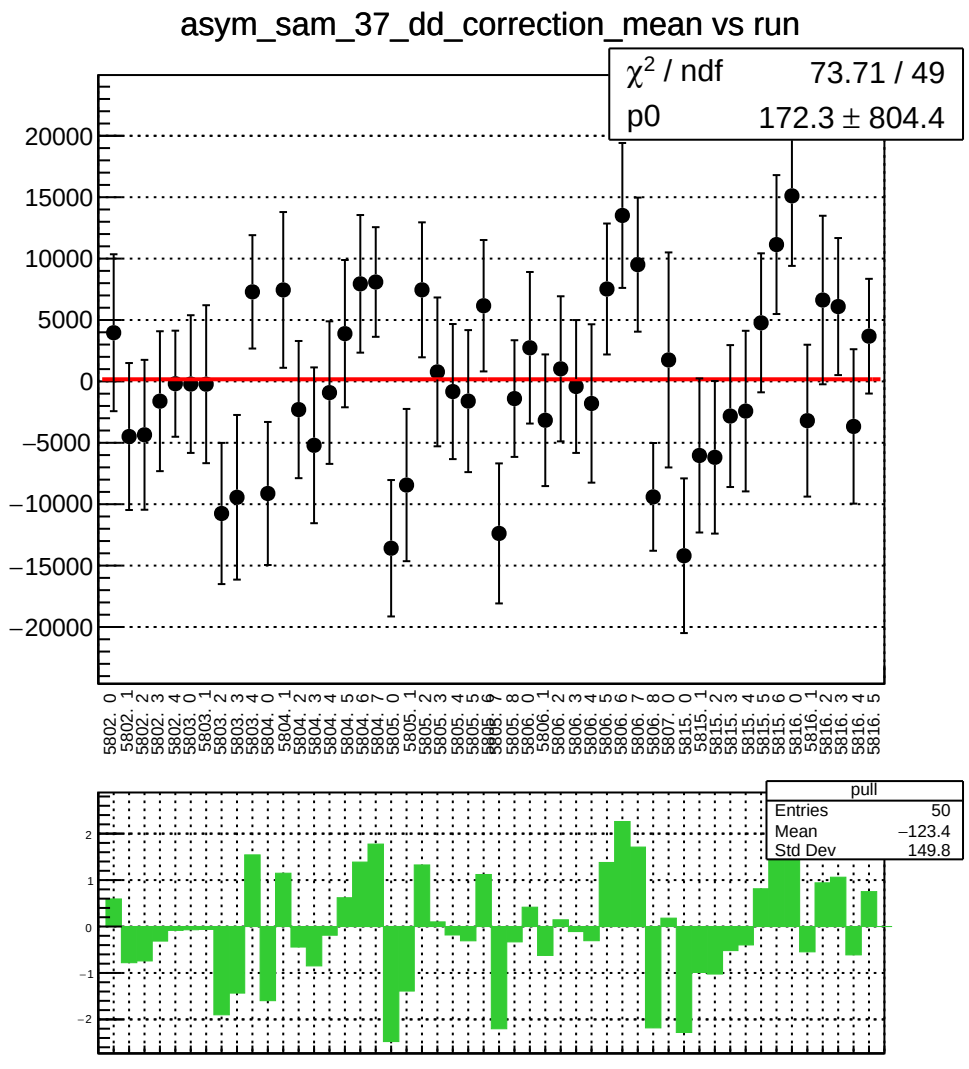

pull1D
Entries 50
Mean 0.004223
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

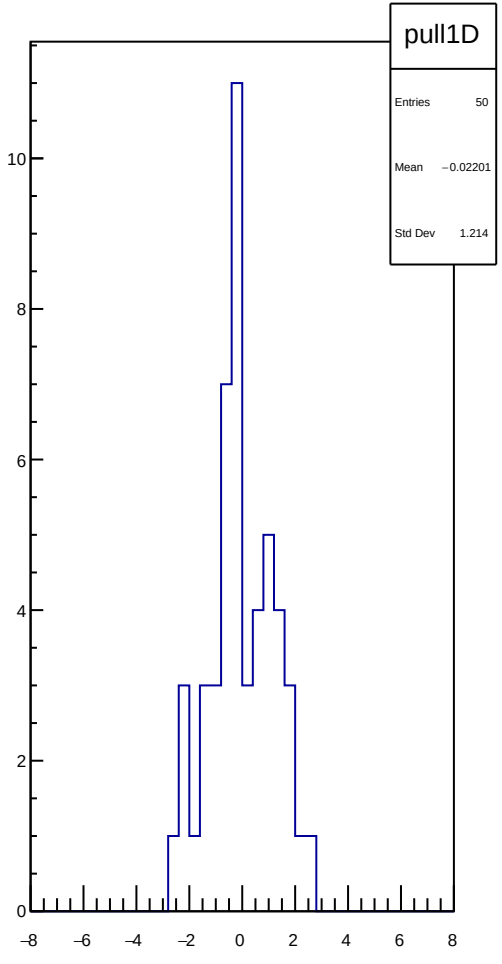

asym_sam_26_dd_rms vs run
χ² / ndf 1181 / 49
p0 2971 ± 3.021
3400
3300
3200
3100
3000
2900
2800
2700
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
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

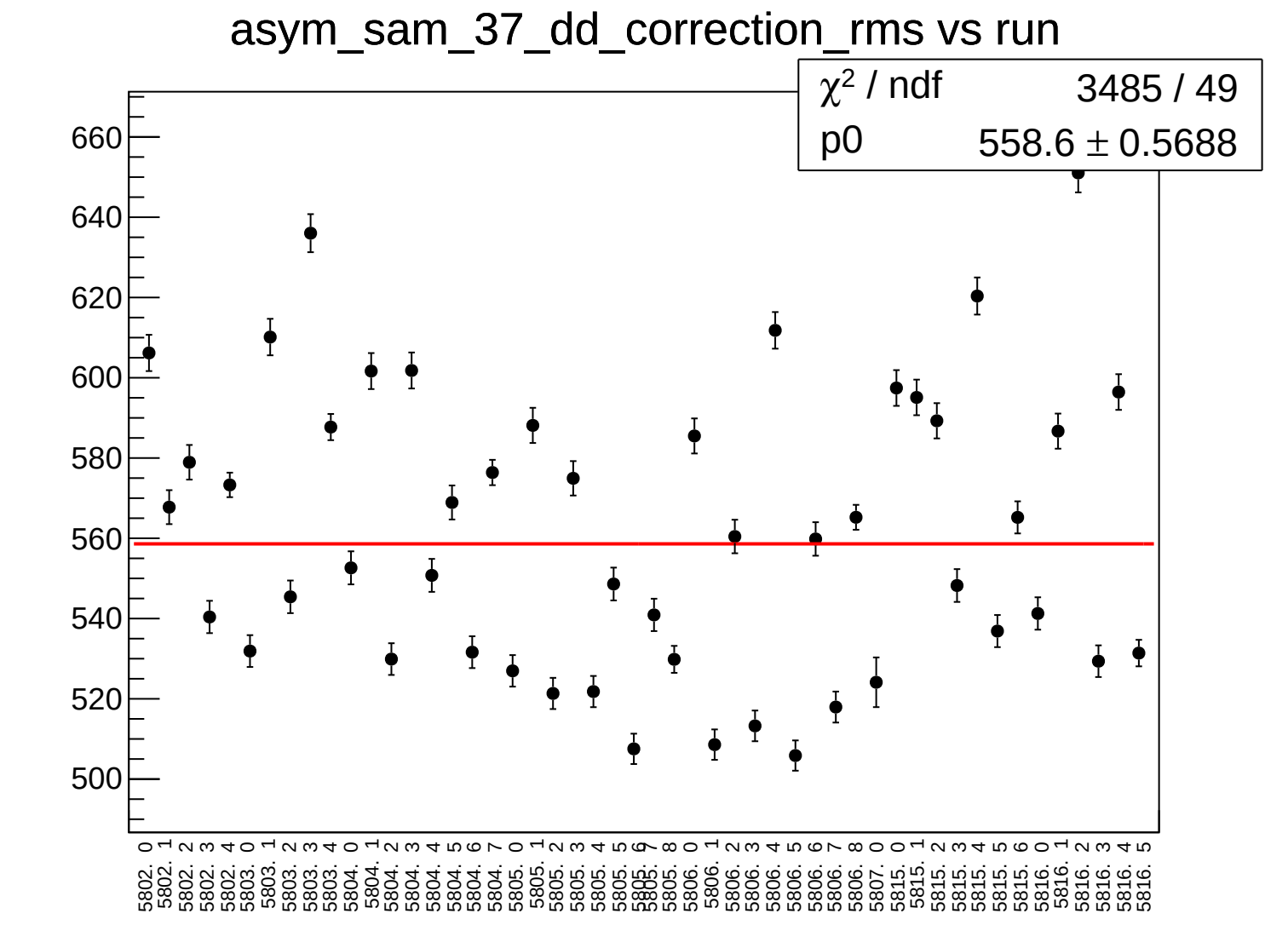

dit_asym_sam_37_dd_mean vs run
χ² / ndf 71.02 / 49
p0 39.37 ± 88.18
2000
1000
0
−1000
−2000
pull
Entries 50
Mean −41.7
Std Dev 49.52

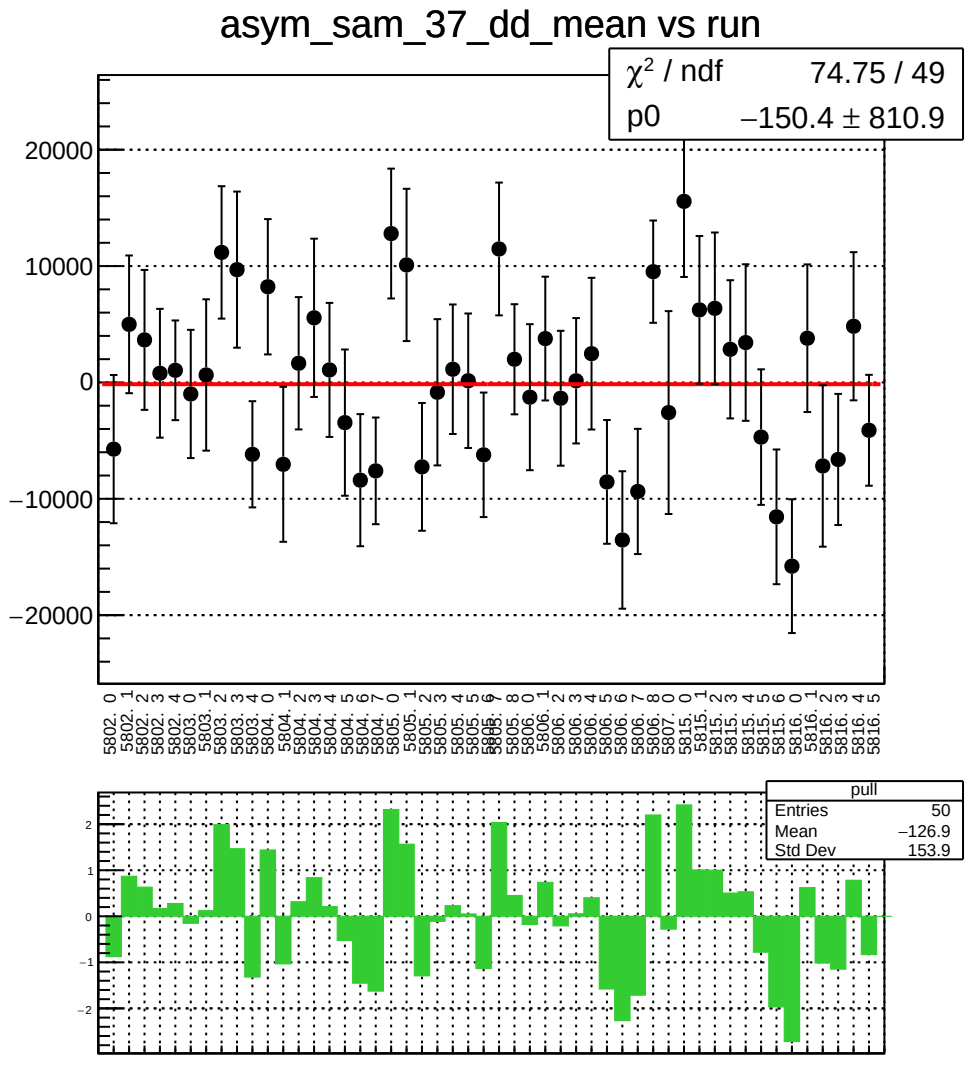

pull1D
Entries 50
Mean −0.01843
Std Dev 1.192

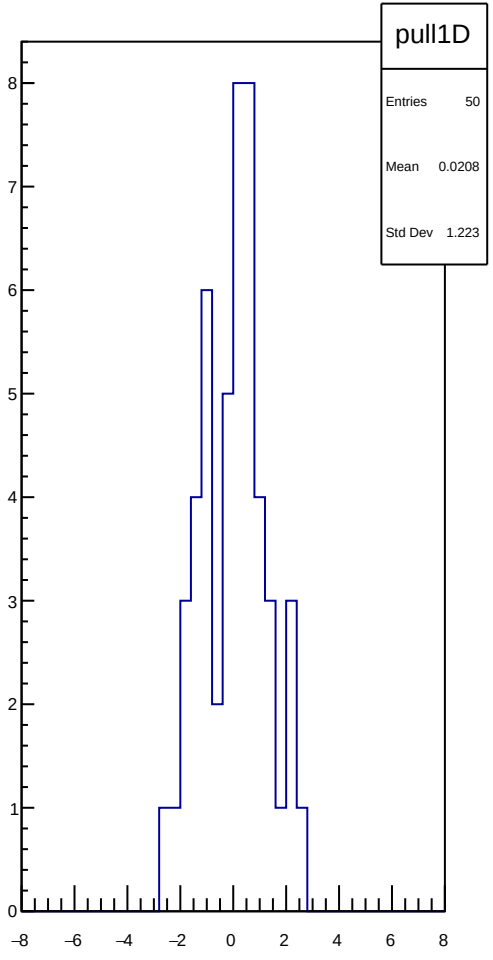

dit_asym_sam_37_dd_rms vs run
χ² / ndf 6381 / 49
p0 61.15 ± 0.06235
85
80
75
70
65
60
55
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

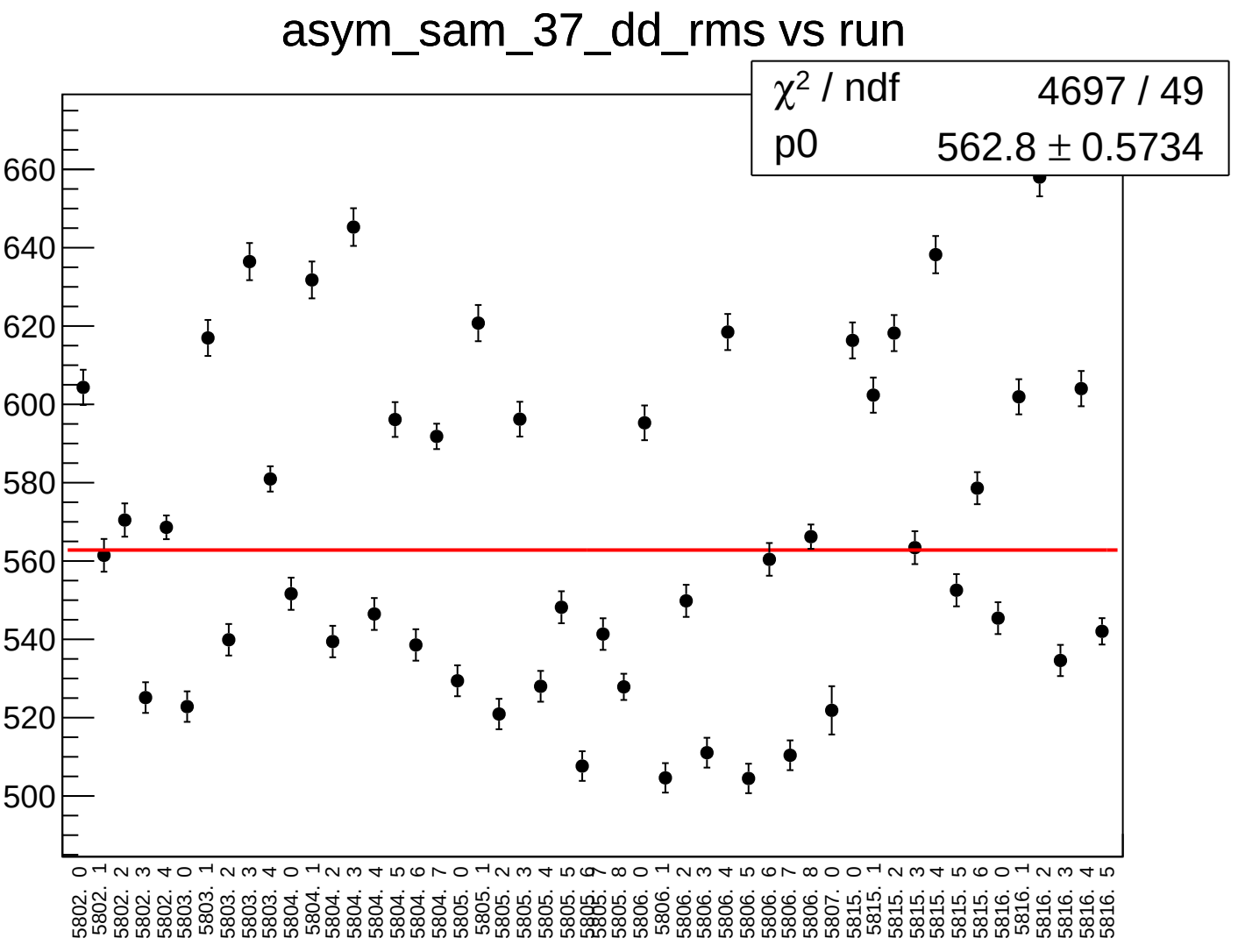

asym_sam_37_dd_correction_mean vs run
χ² / ndf 73.71 / 49
p0 172.3 ± 804.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −123.4
Std Dev 149.8
2
1
0
−1
−2

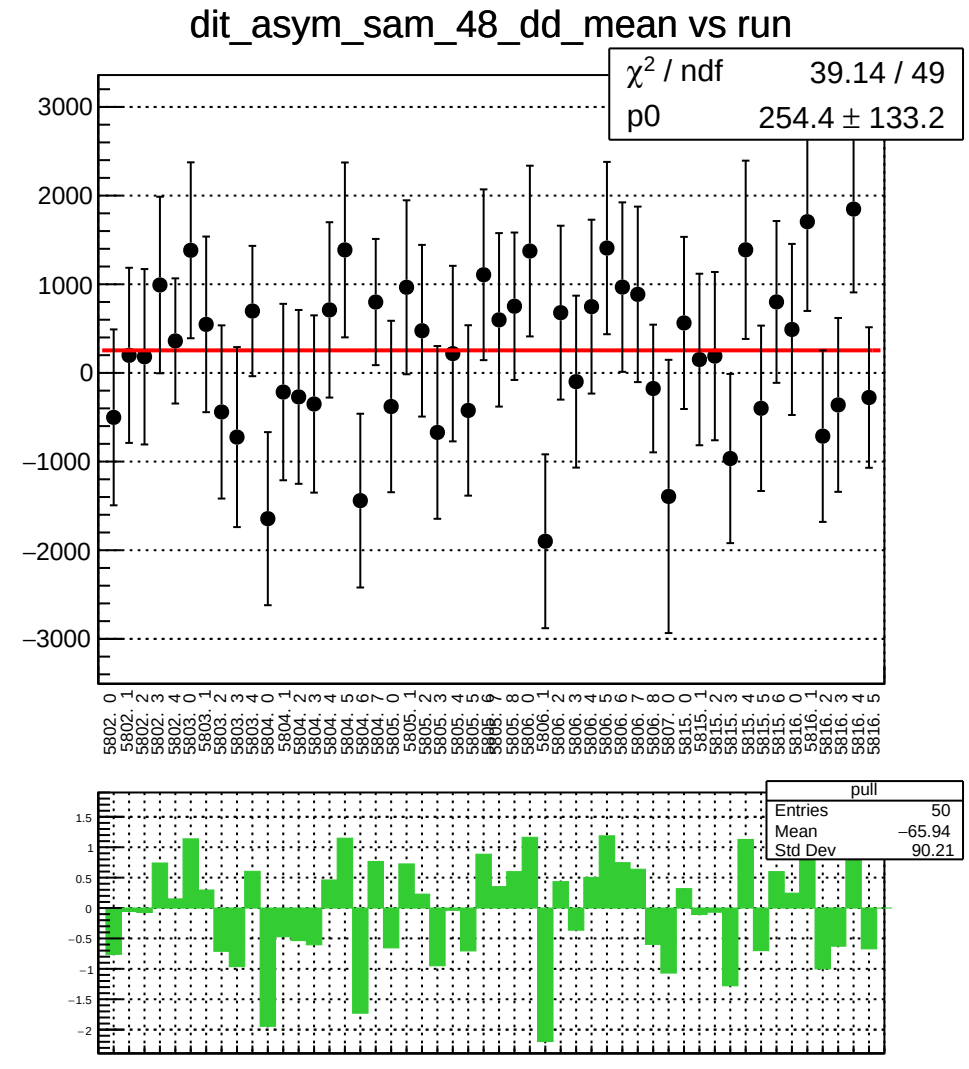

pull1D
Entries 50
Mean −0.02201
Std Dev 1.214
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

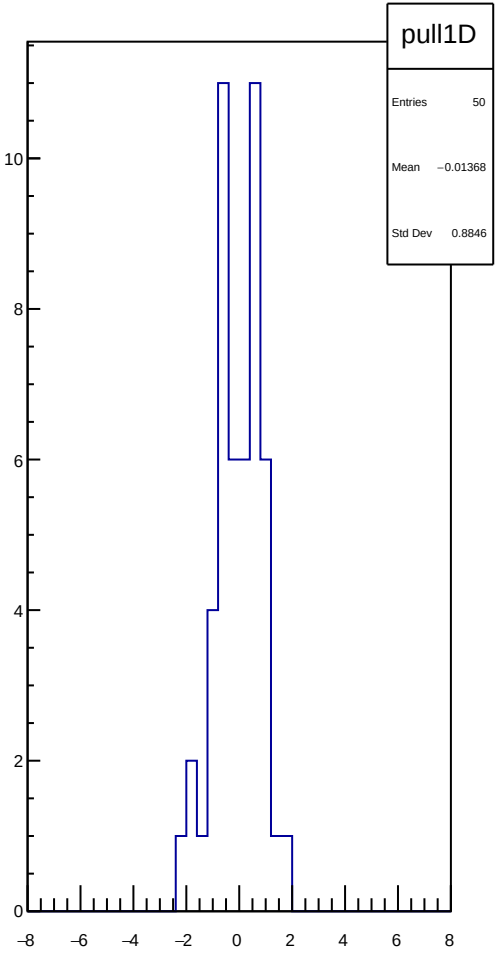

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3485 / 49
p0 558.6 ± 0.5688
660
640
620
600
580
560
540
520
500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
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

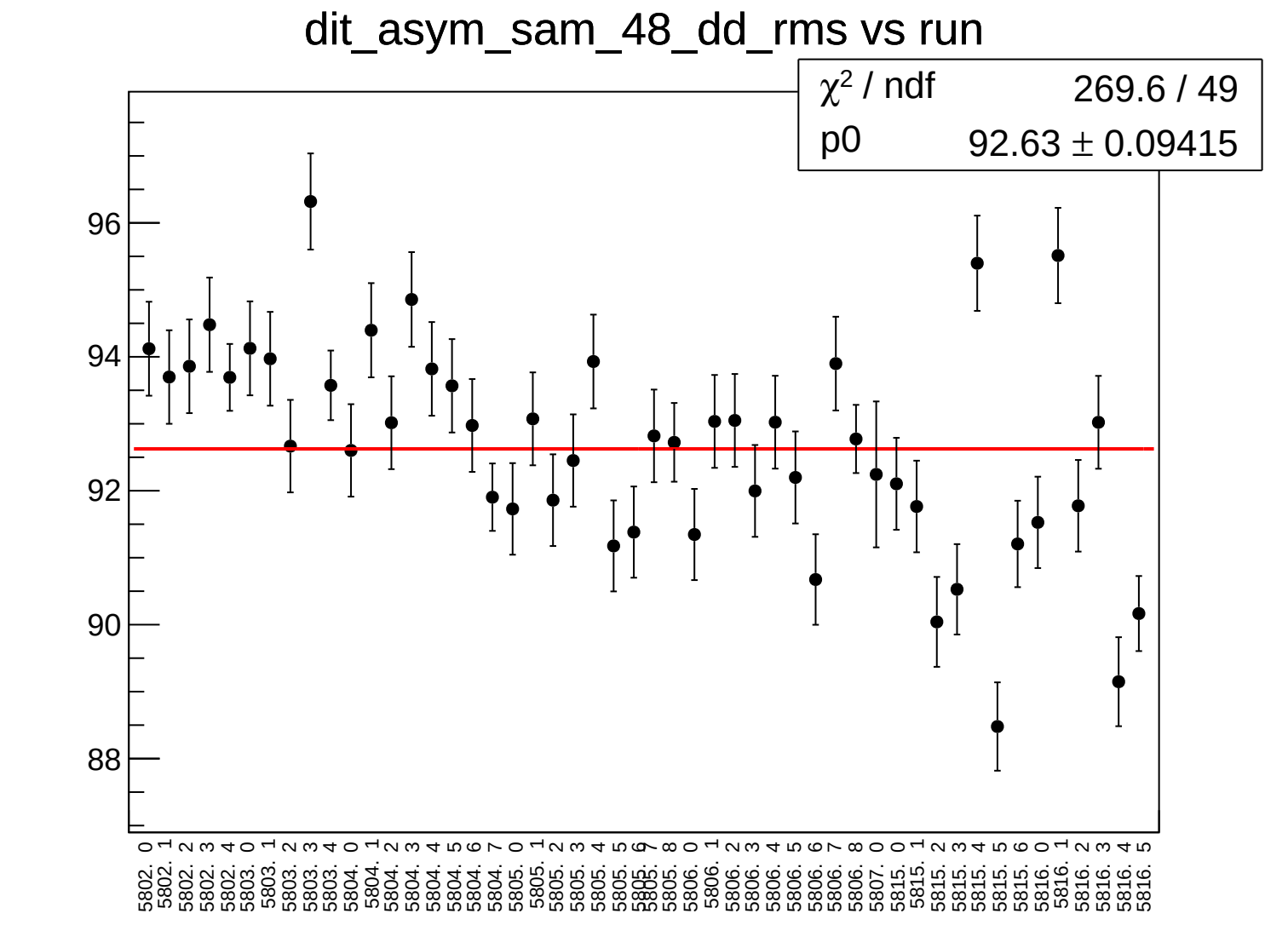

asym_sam_37_dd_mean vs run
χ² / ndf 74.75 / 49
p0 −150.4 ± 810.9
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −126.9
Std Dev 153.9
2
1
0
−1
−2

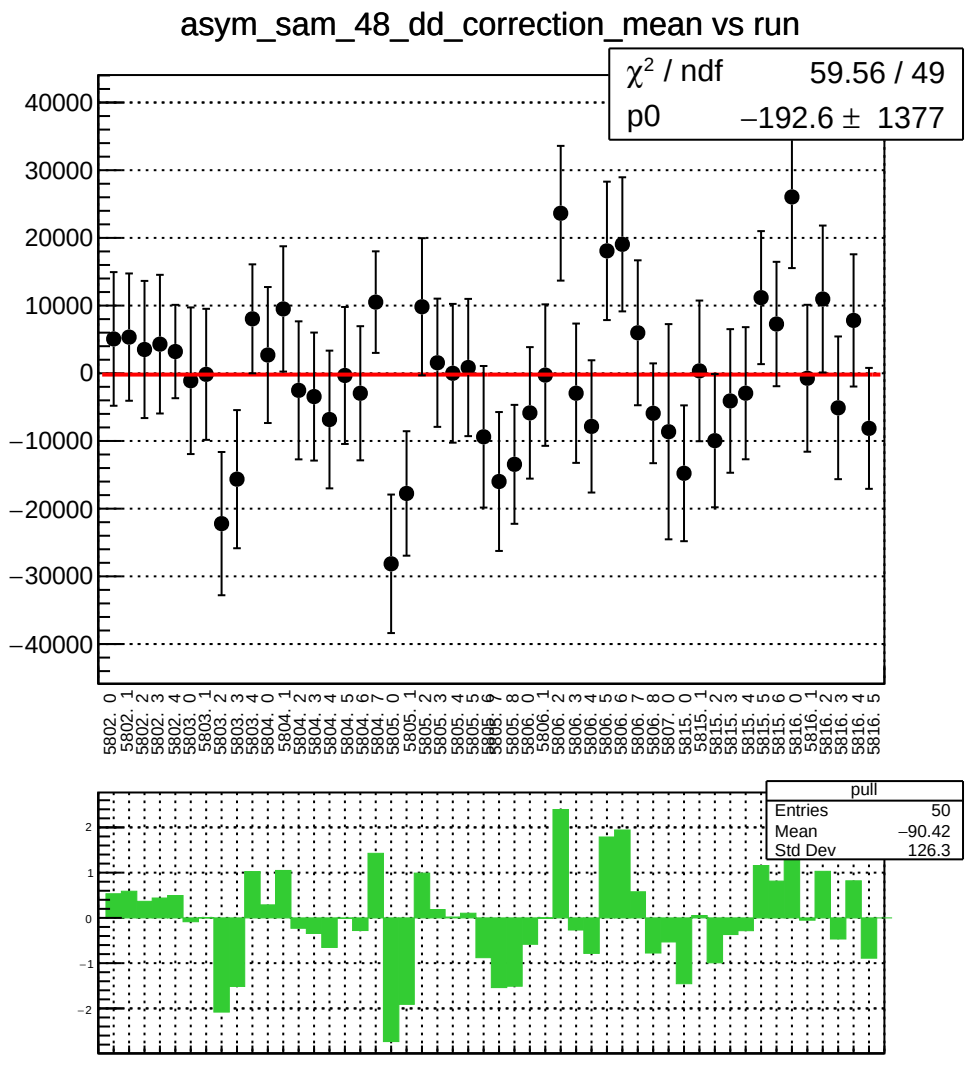

pull1D
Entries 50
Mean 0.0208
Std Dev 1.223
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

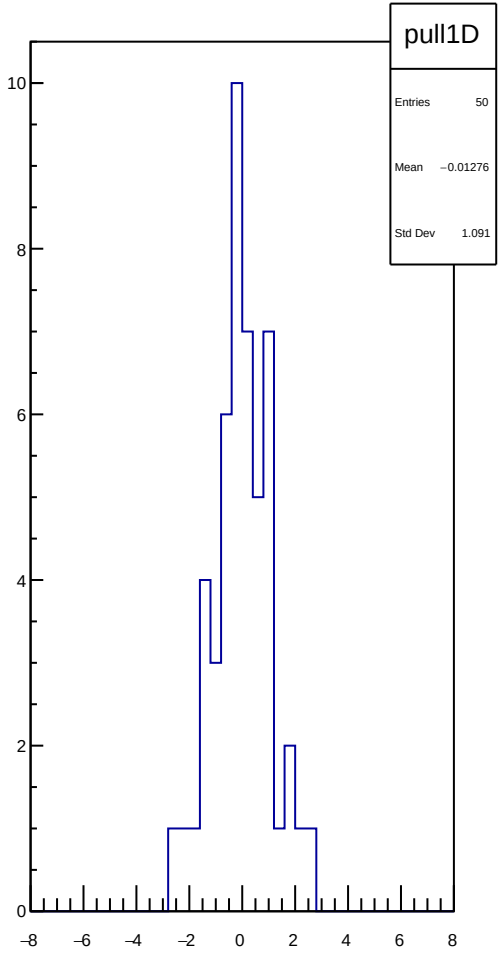

asym_sam_37_dd_rms vs run
χ² / ndf 4697 / 49
p0 562.8 ± 0.5734
660
640
620
600
580
560
540
520
500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

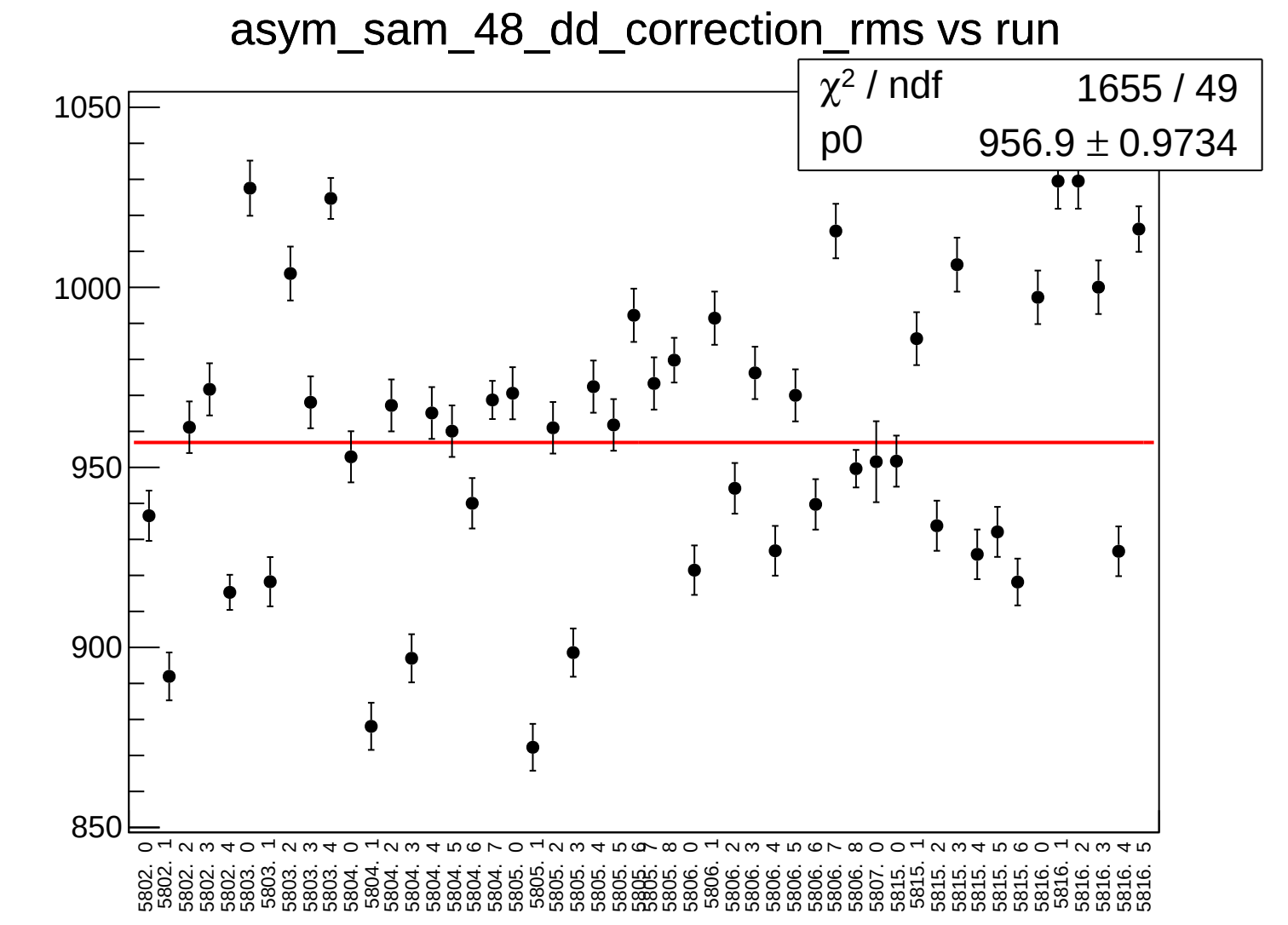

dit_asym_sam_48_dd_mean vs run
χ² / ndf 39.14 / 49
p0 254.4 ± 133.2
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 50
Mean −65.94
Std Dev 90.21
1.5
1
0.5
0
−0.5
−1
−1.5
−2

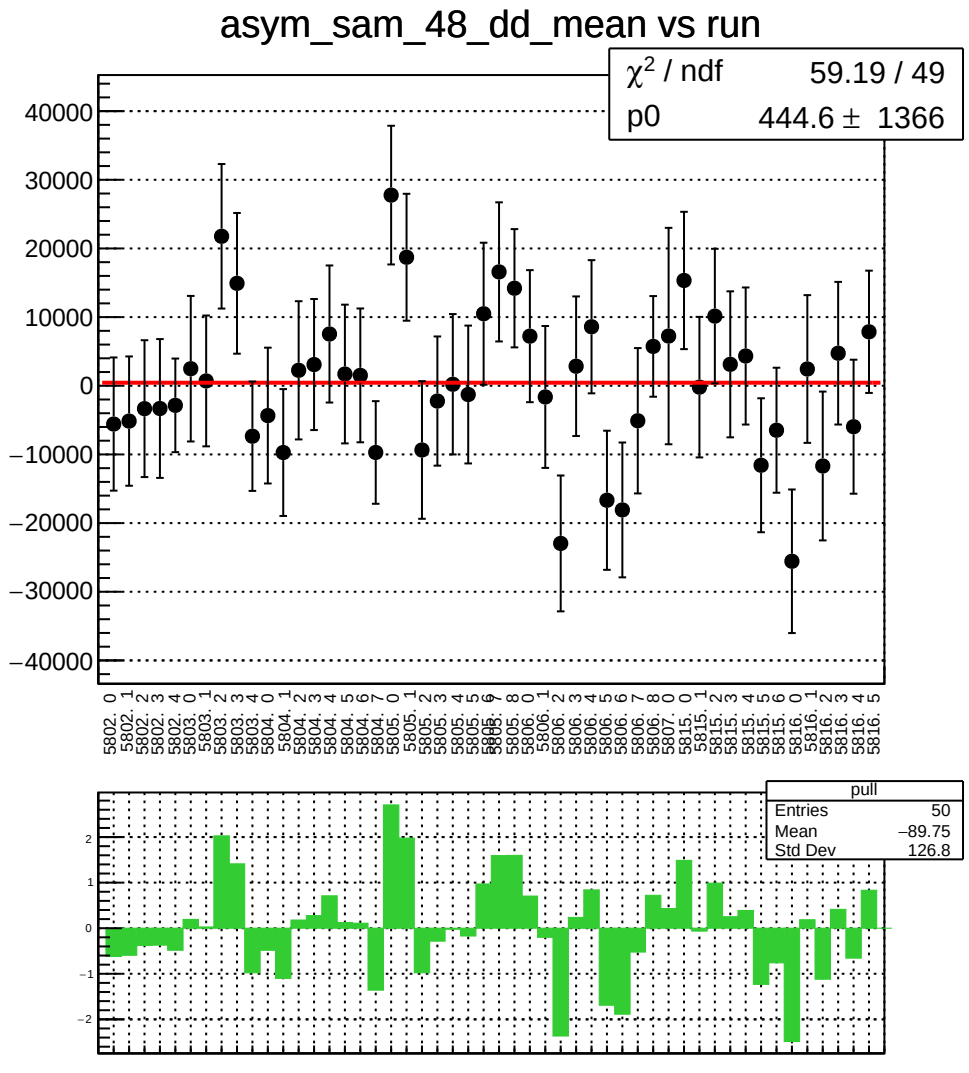

pull1D
Entries 50
Mean −0.01368
Std Dev 0.8846
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

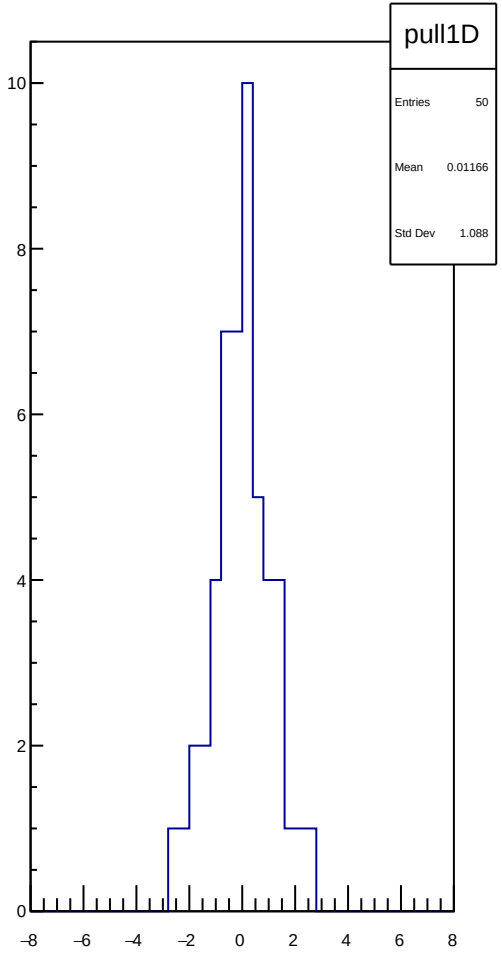

dit_asym_sam_48_dd_rms vs run
χ² / ndf 269.6 / 49
p0 92.63 ± 0.09415
96
94
92
90
88
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 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

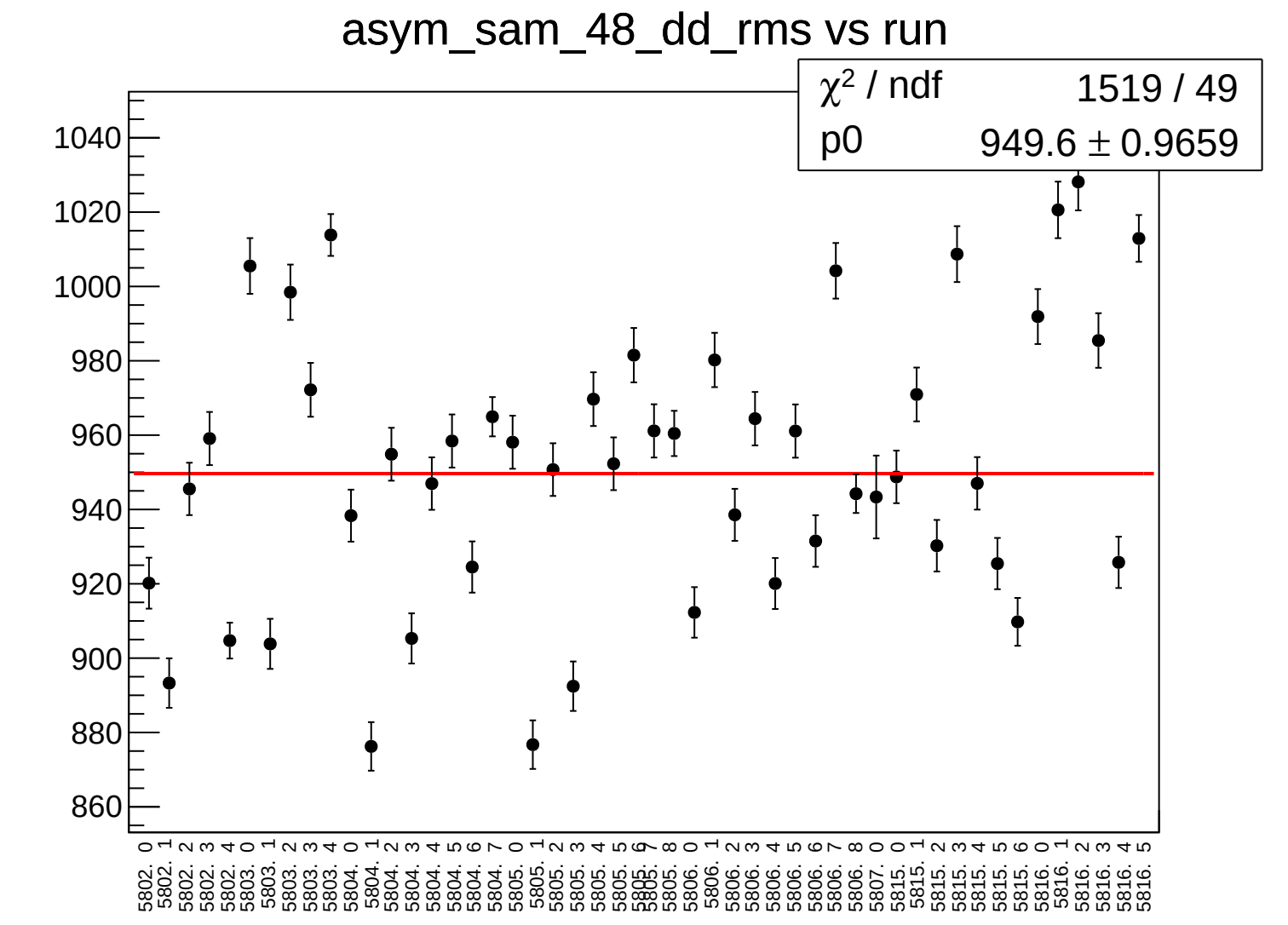

asym_sam_48_dd_correction_mean vs run
χ² / ndf 59.56 / 49
p0 −192.6 ± 1377
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 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 −90.42
Std Dev 126.3
2
1
0
−1
−2

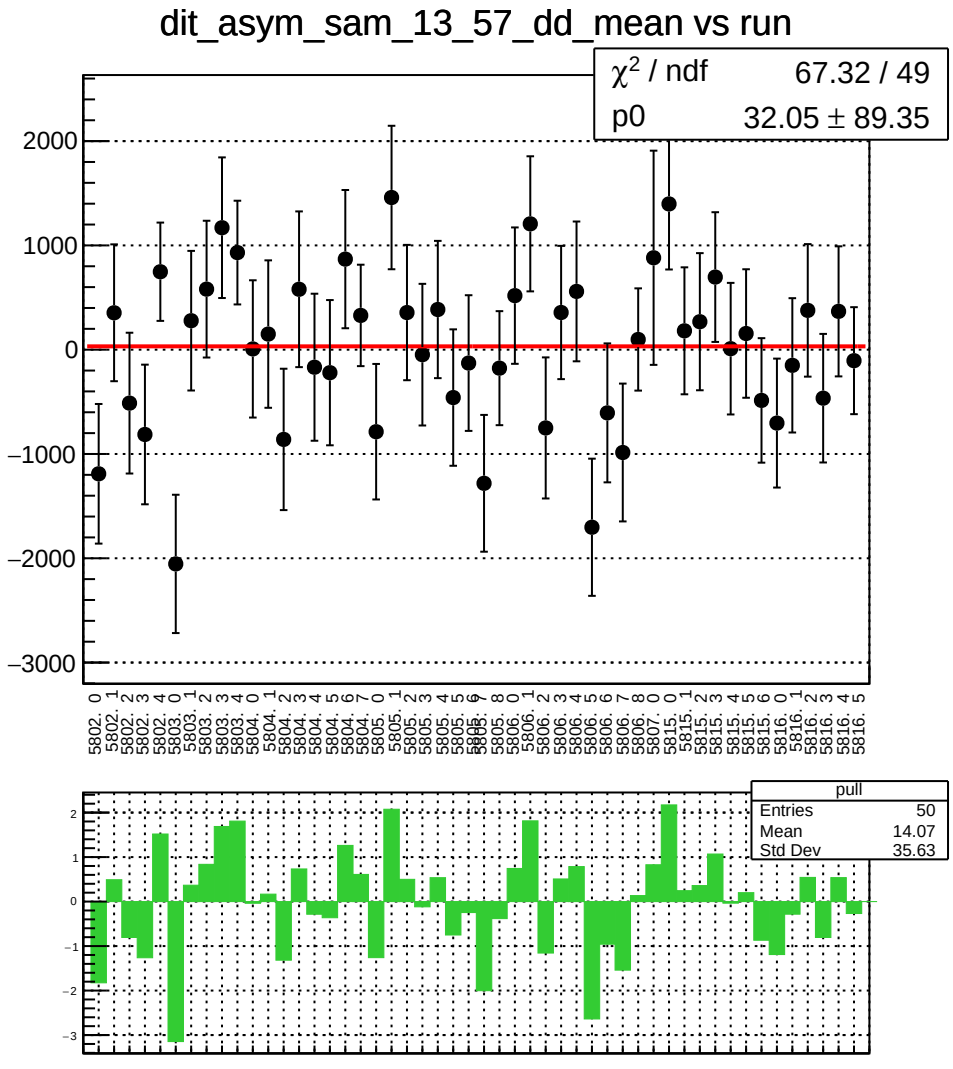

pull1D
Entries 50
Mean −0.01276
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

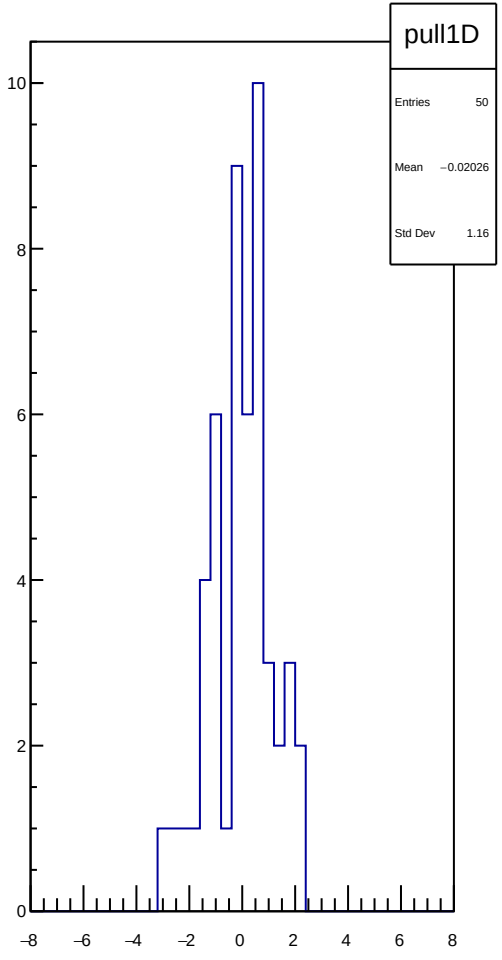

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1655 / 49
p0 956.9 ± 0.9734
1050
1000
950
900
850
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

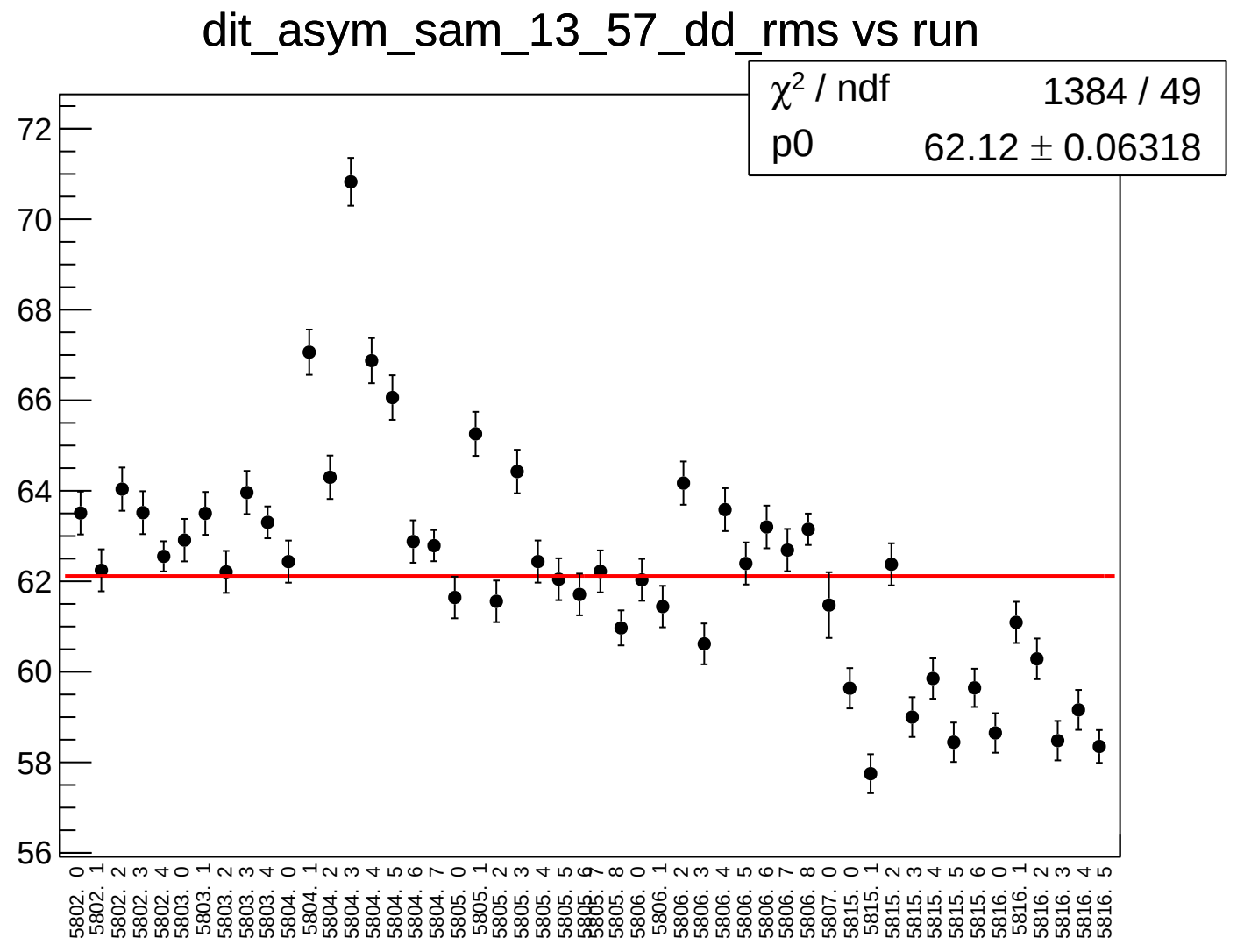

asym_sam_48_dd_mean vs run
χ^2 / ndf 59.19 / 49
p0 444.6 ± 1366
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 −89.75
Std Dev 126.8
2
1
0
−1
−2

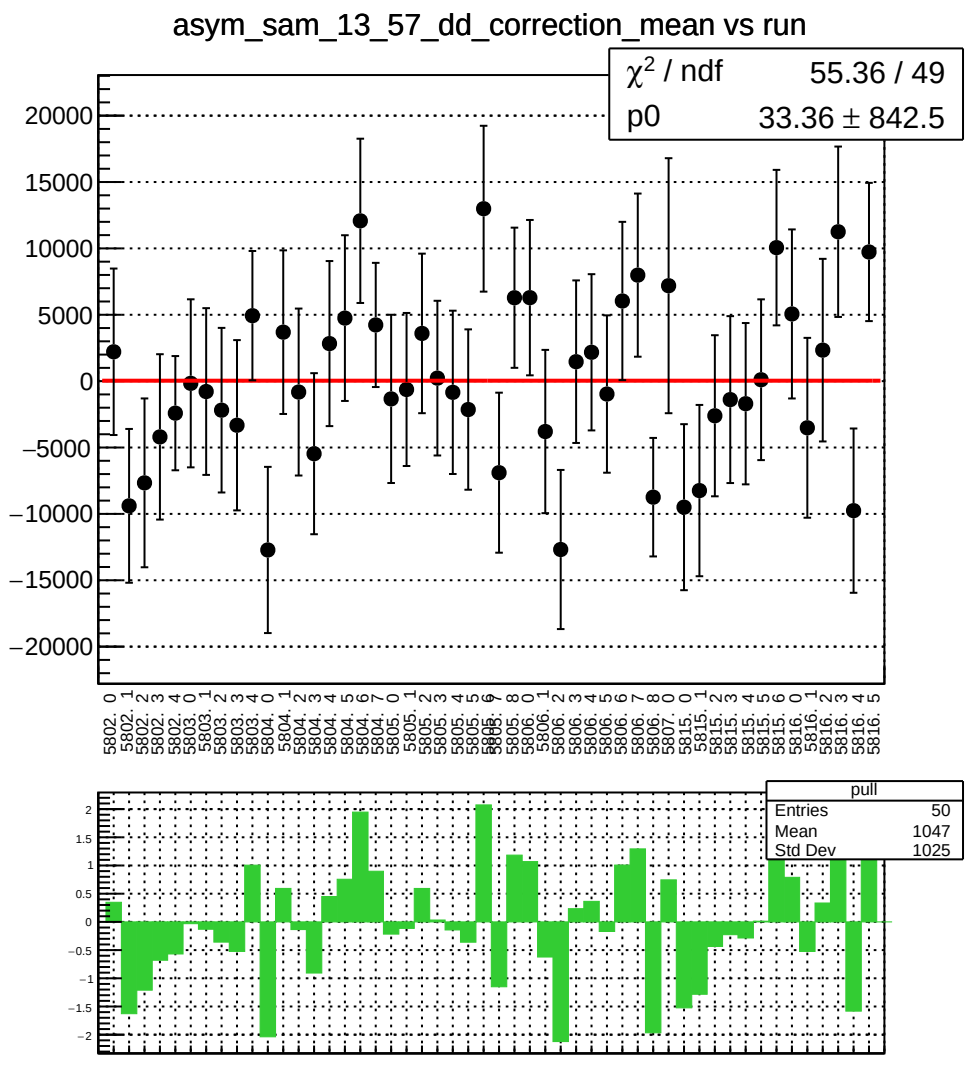

pull1D
Entries 50
Mean 0.01166
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

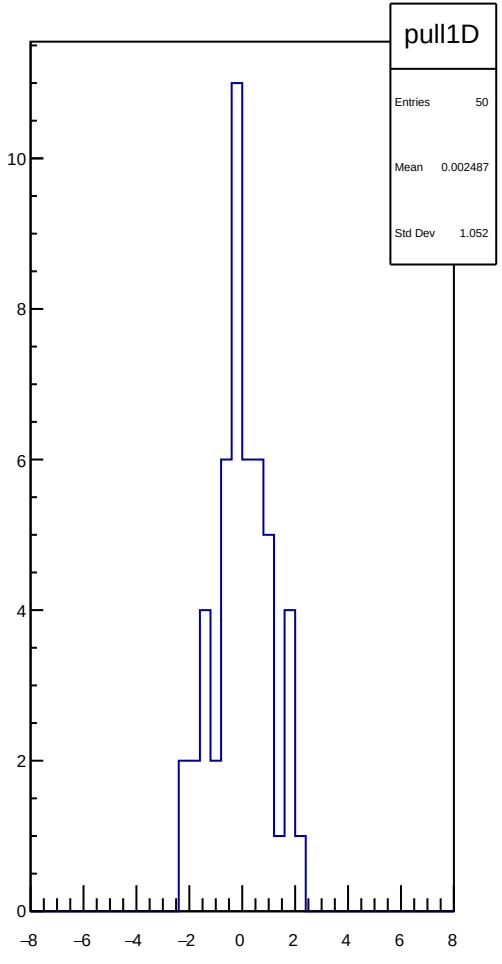

asym_sam_48_dd_rms vs run
χ² / ndf 1519 / 49
p0 949.6 ± 0.9659
1040
1020
1000
980
960
940
920
900
880
860
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

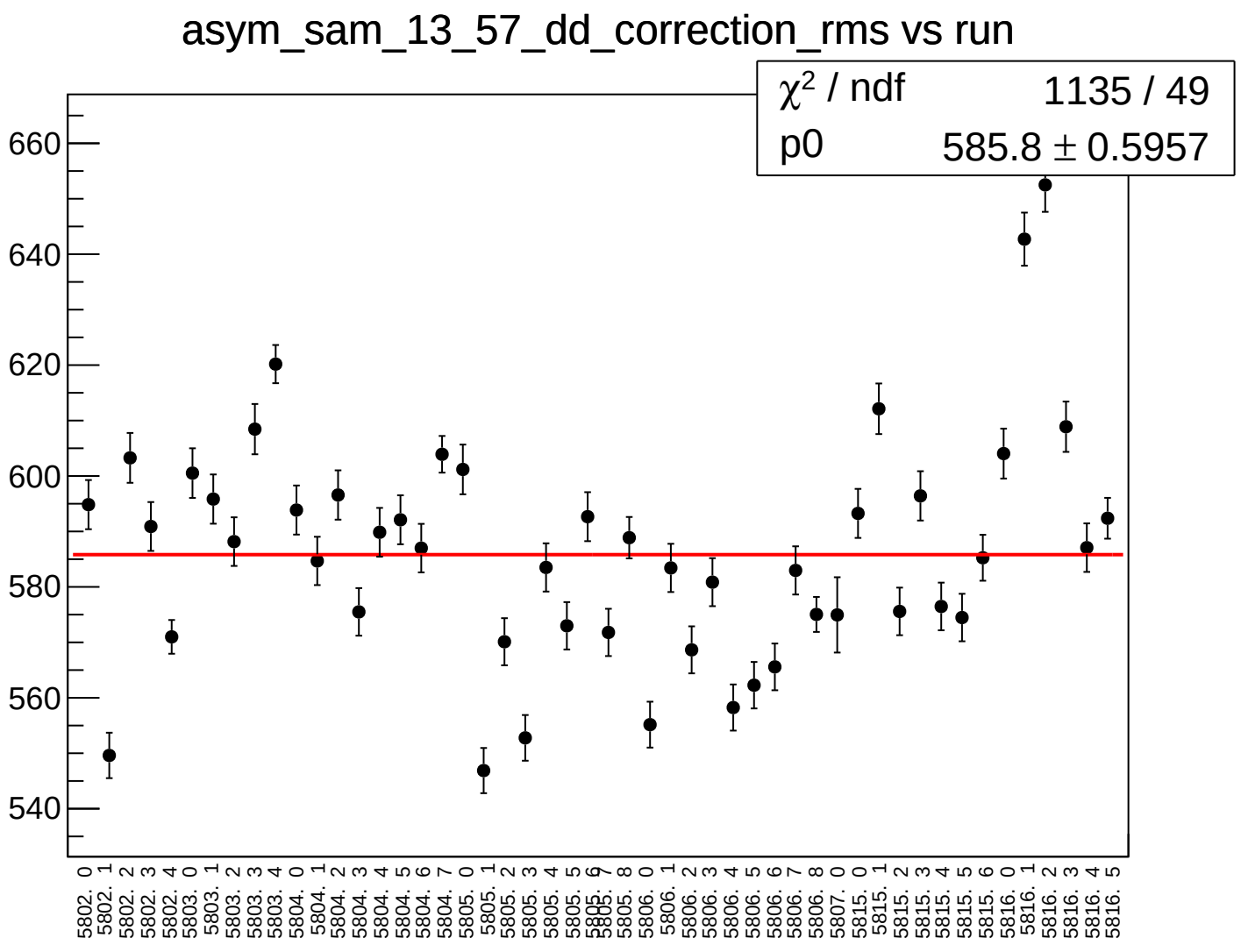

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 67.32 / 49
p0 32.05 ± 89.35
pull
Entries 50
Mean 14.07
Std Dev 35.63

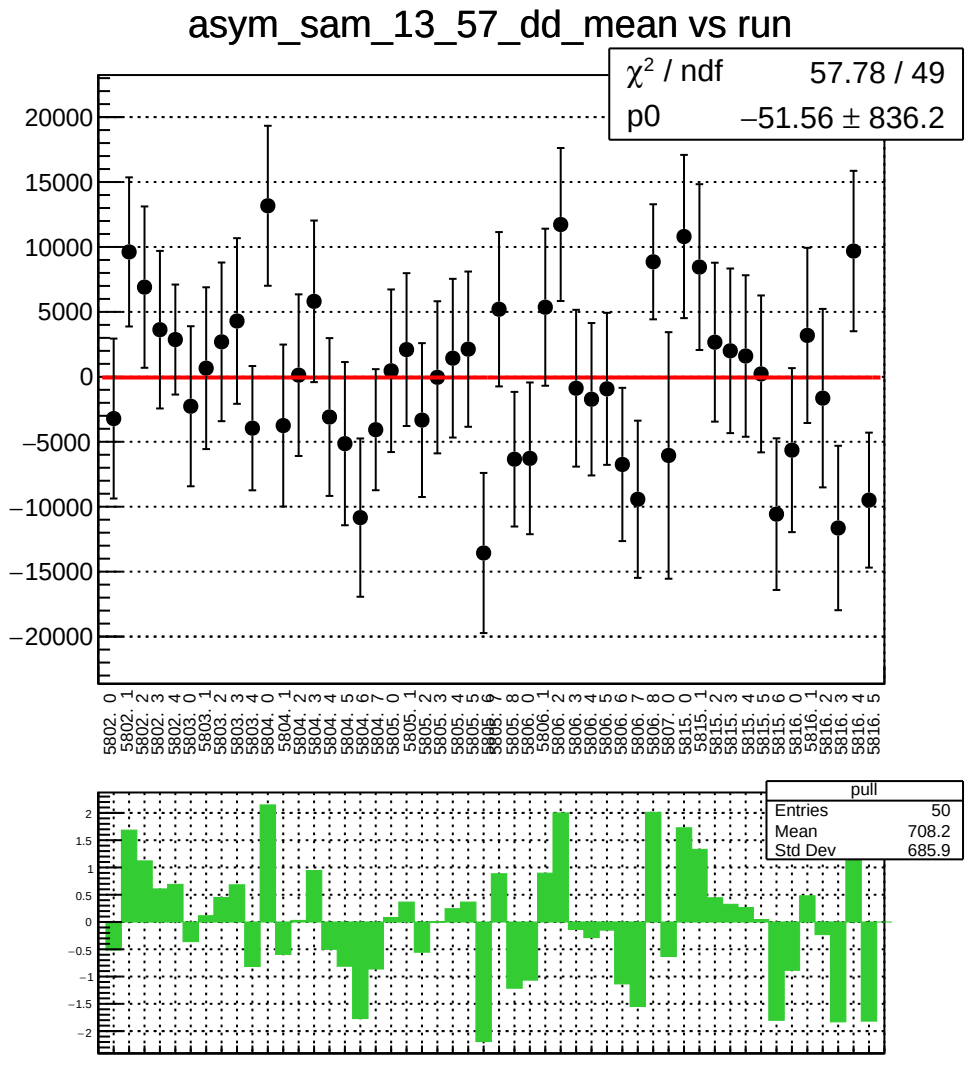

pull1D
Entries 50
Mean −0.02026
Std Dev 1.16

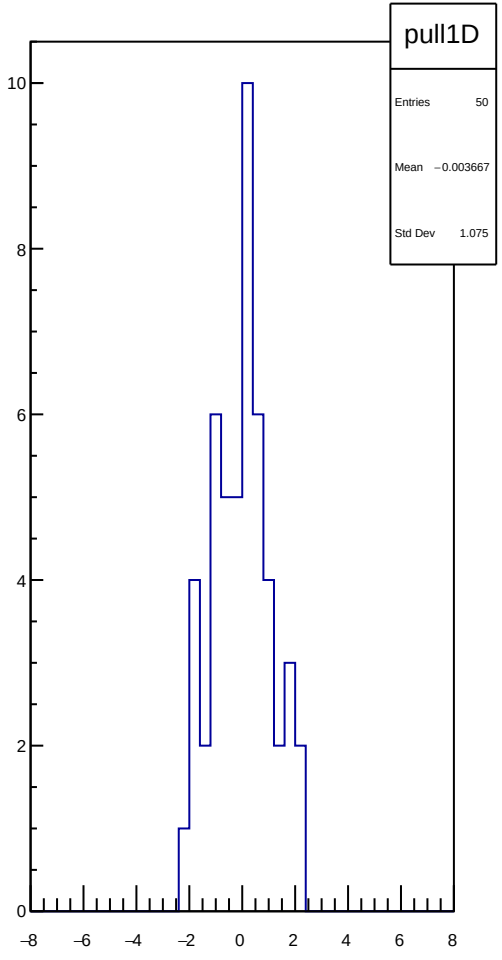

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1384 / 49
p0 62.12 ± 0.06318
72
70
68
66
64
62
60
58
56
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

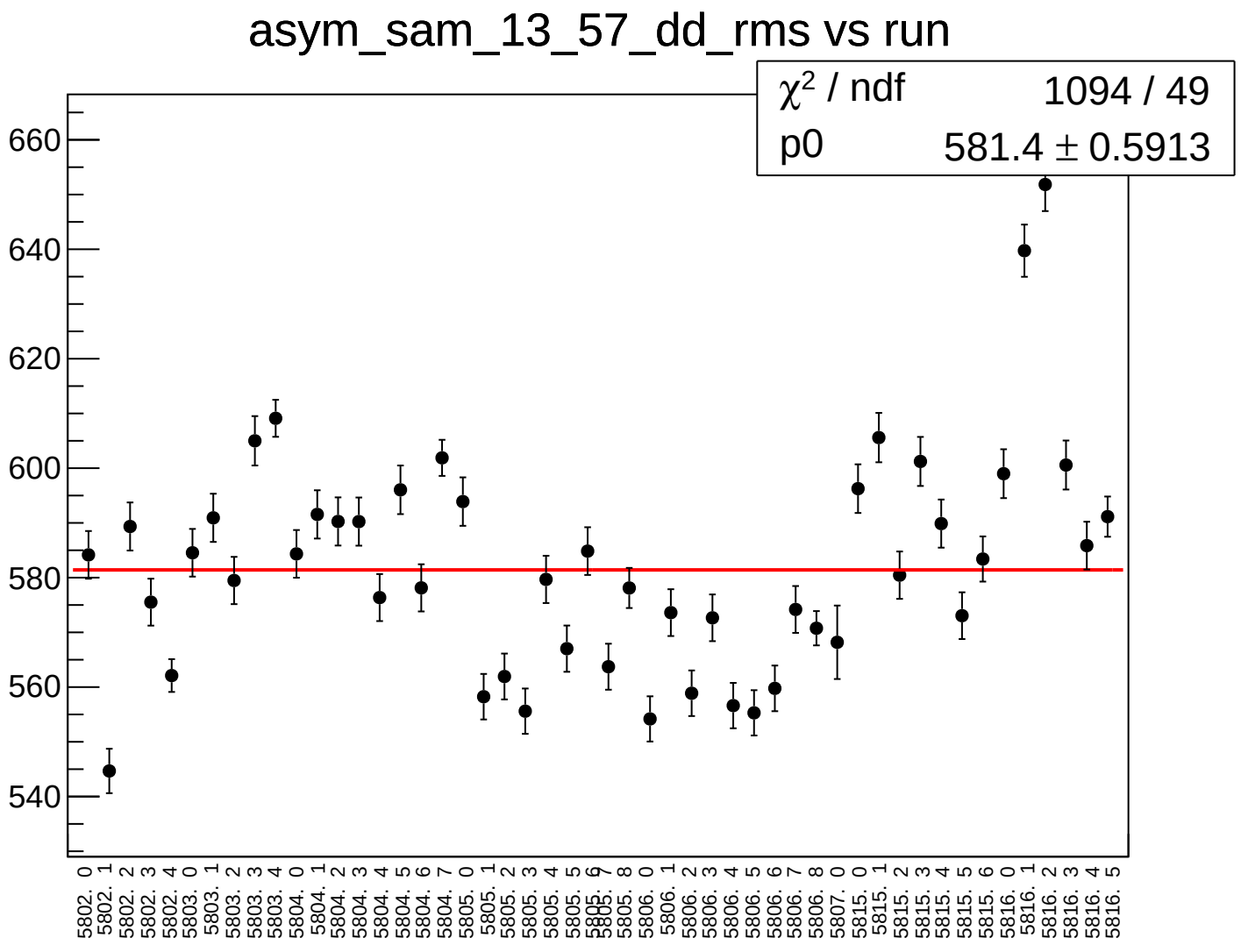

asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 55.36 / 49
p0 33.36 ± 842.5
pull
Entries 50
Mean 1047
Std Dev 1025

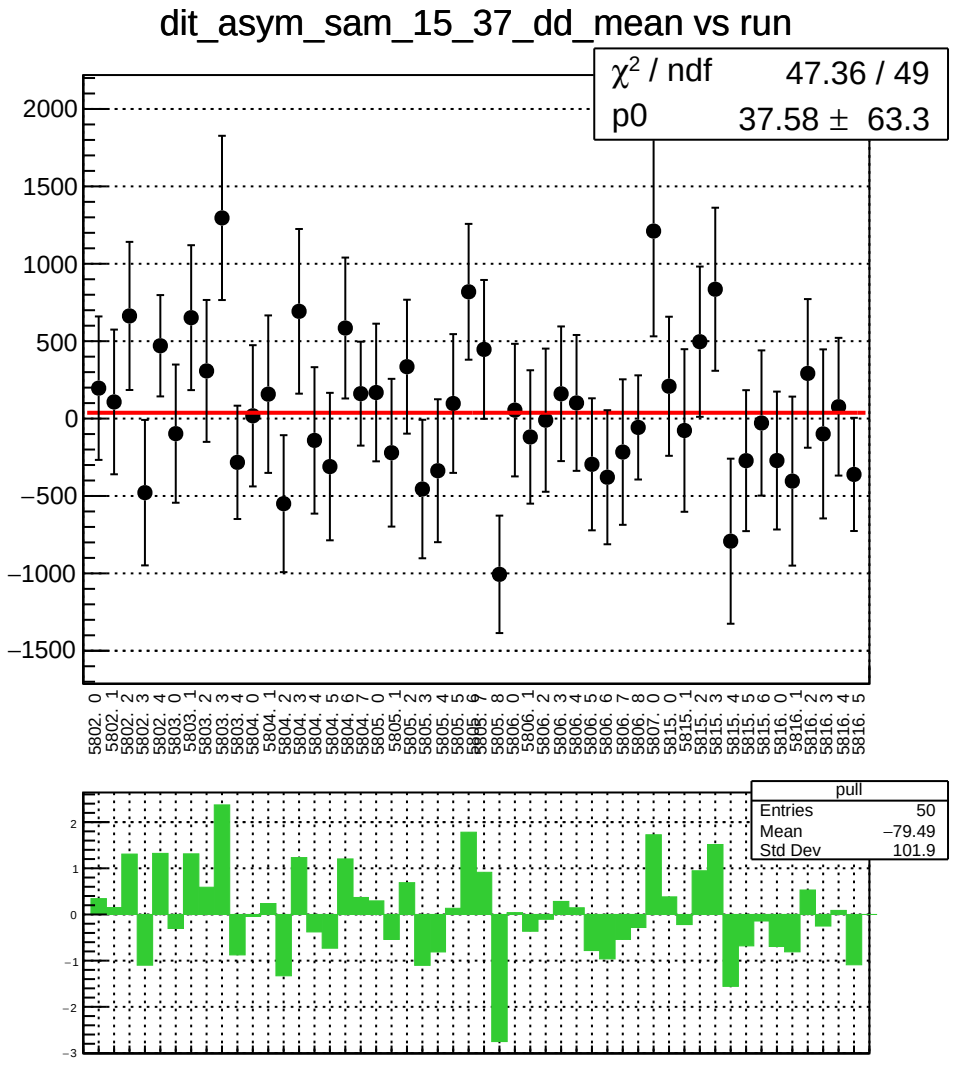

pull1D
Entries 50
Mean 0.002487
Std Dev 1.052

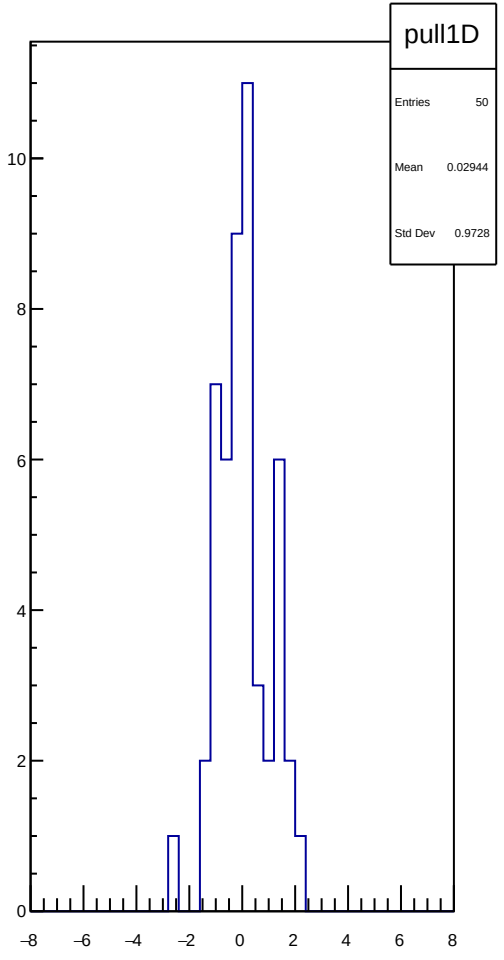

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1135 / 49
p0 585.8 ± 0.5957
660
640
620
600
580
560
540
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

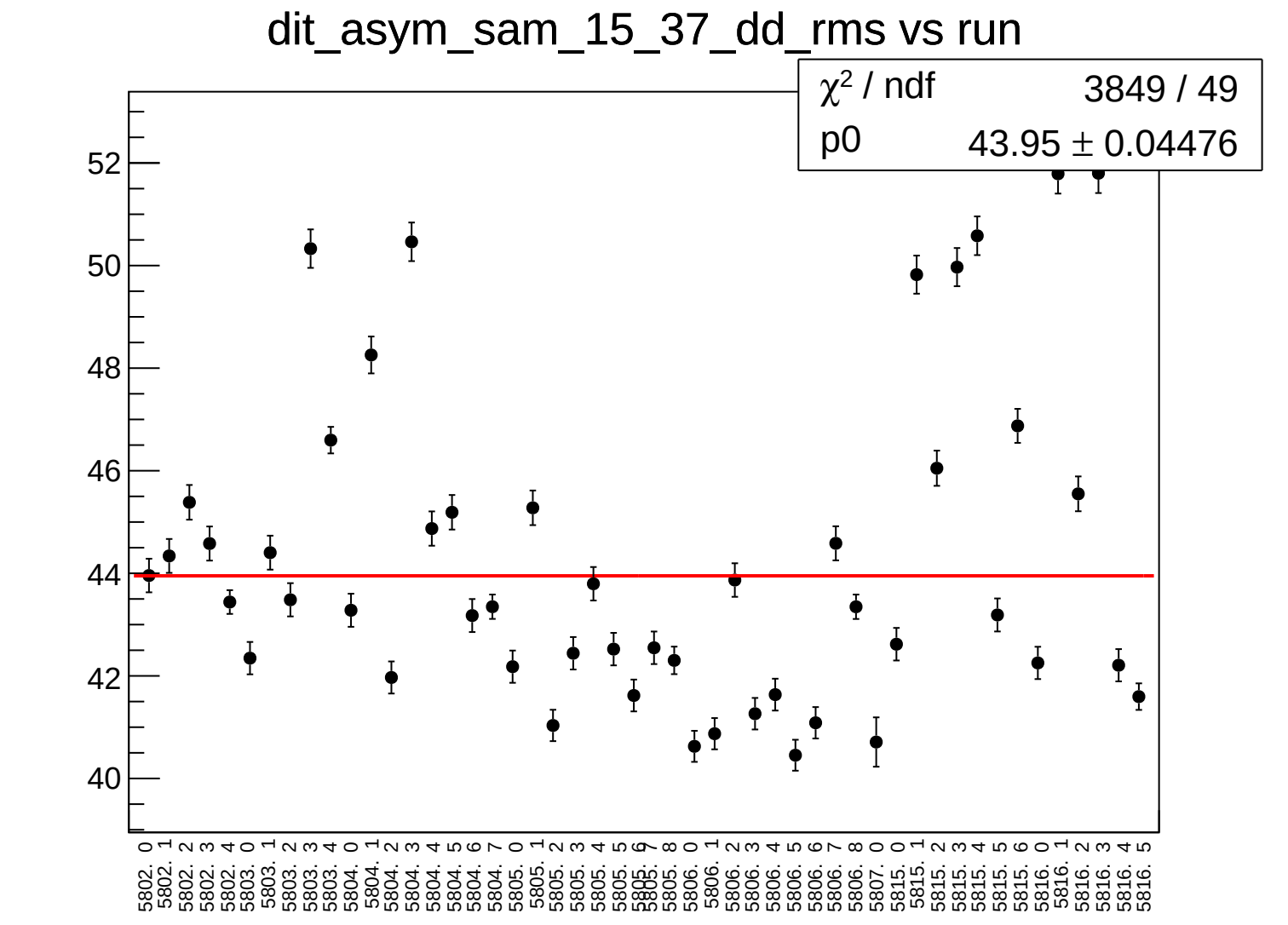

asym_sam_13_57_dd_mean vs run
χ² / ndf 57.78 / 49
p0 −51.56 ± 836.2
pull
Entries 50
Mean 708.2
Std Dev 685.9

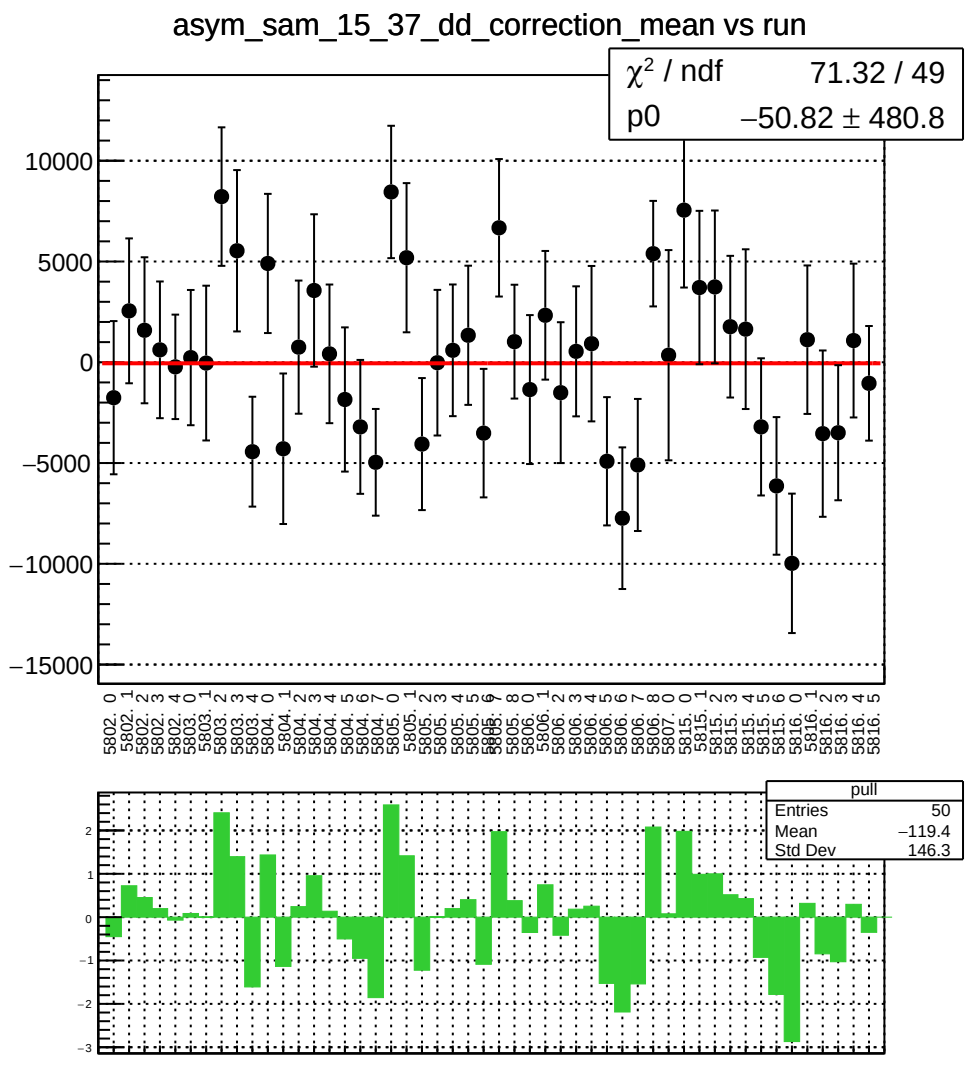

pull1D
Entries 50
Mean −0.003667
Std Dev 1.075

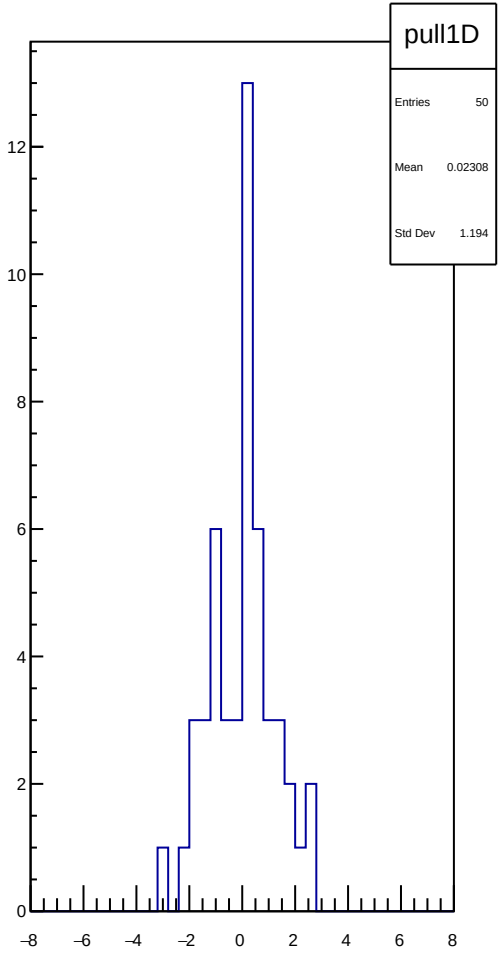

asym_sam_13_57_dd_rms vs run
χ² / ndf 1094 / 49
p0 581.4 ± 0.5913
660
640
620
600
580
560
540
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

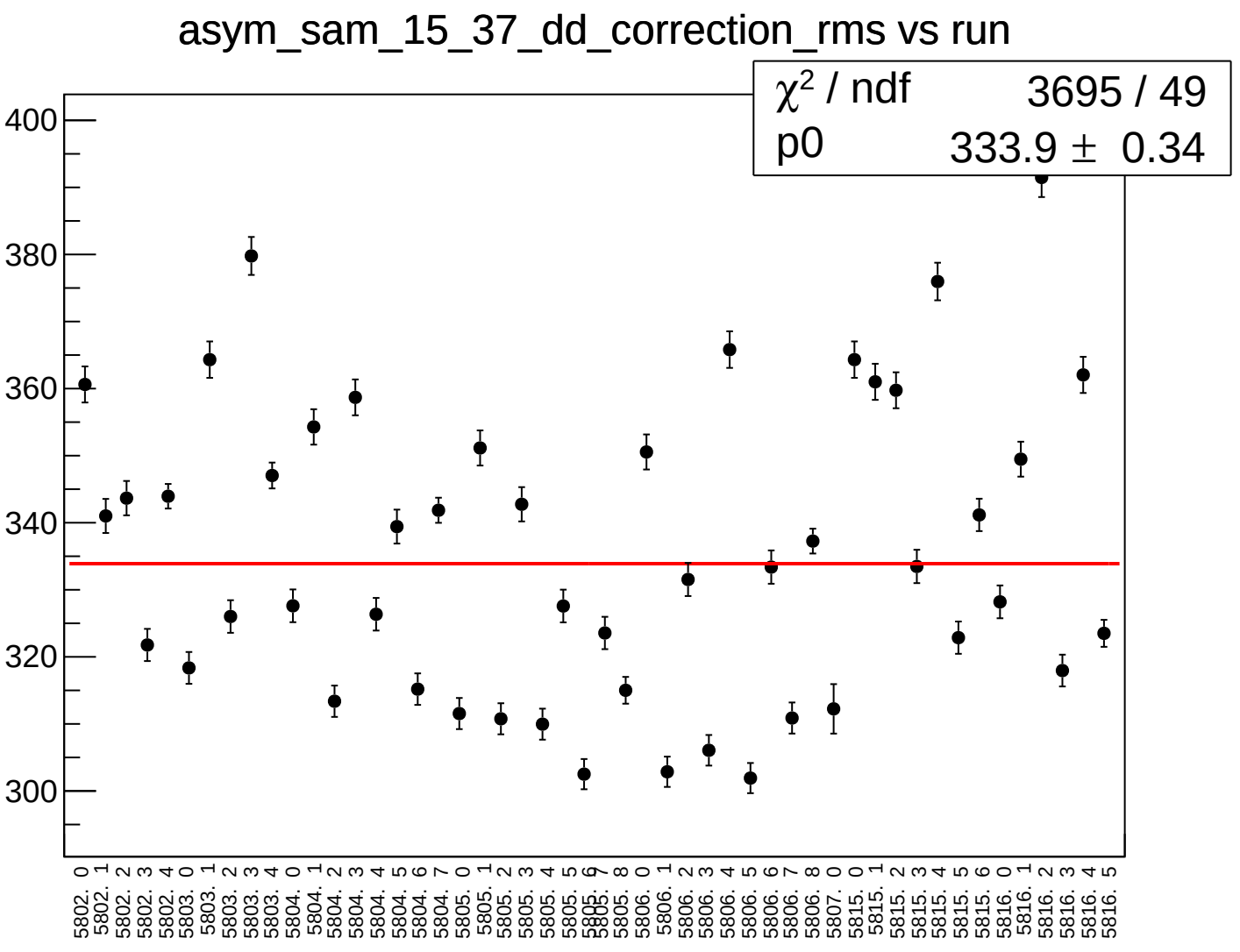

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 47.36 / 49
p0 37.58 ± 63.3
pull
Entries 50
Mean −79.49
Std Dev 101.9

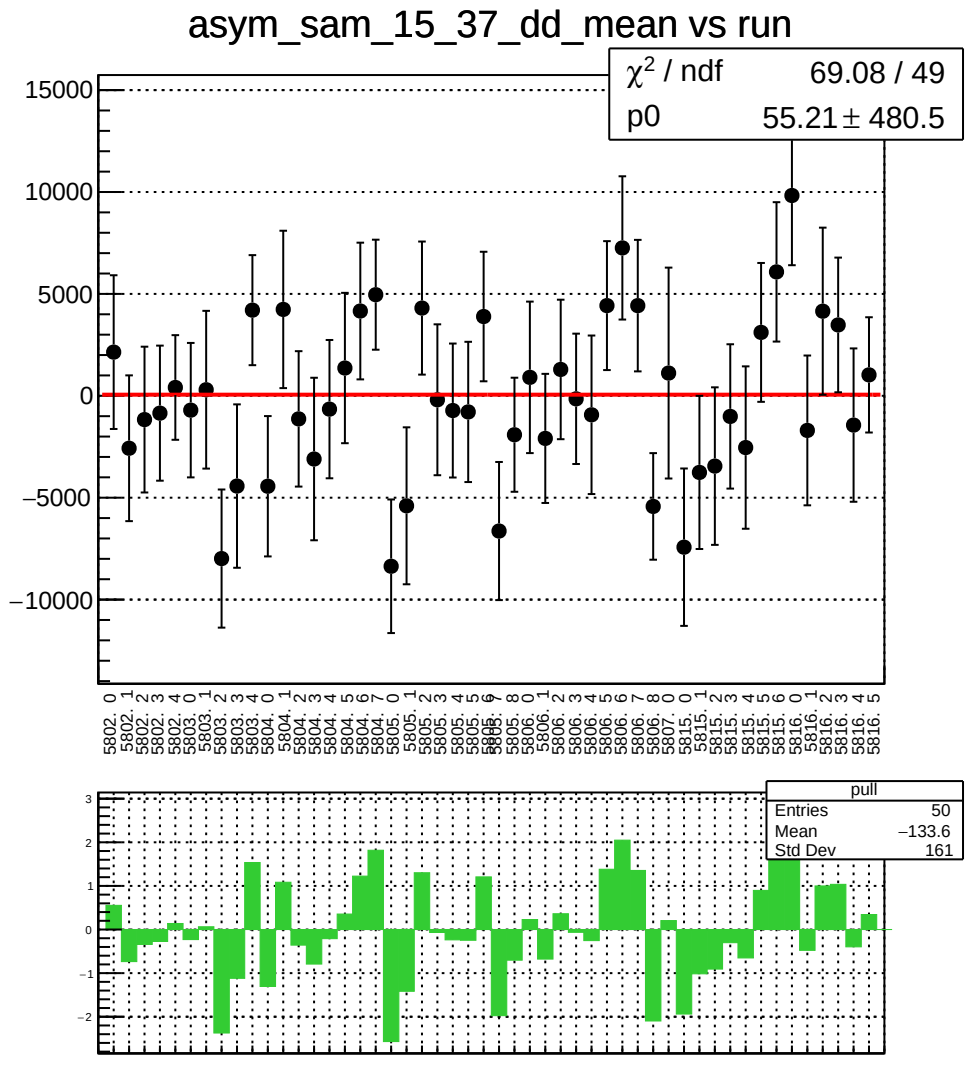

pull1D
Entries 50
Mean 0.02944
Std Dev 0.9728

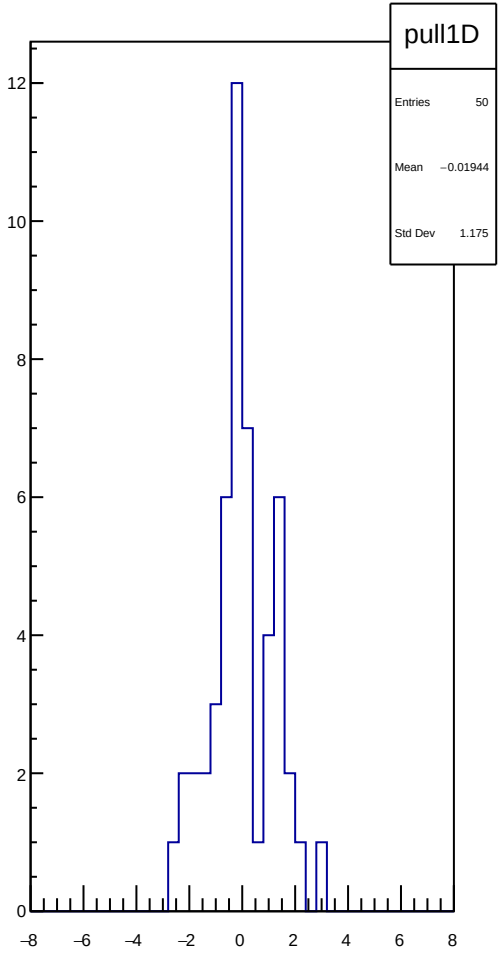

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3849 / 49
p0 43.95 ± 0.04476
52
50
48
46
44
42
40
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

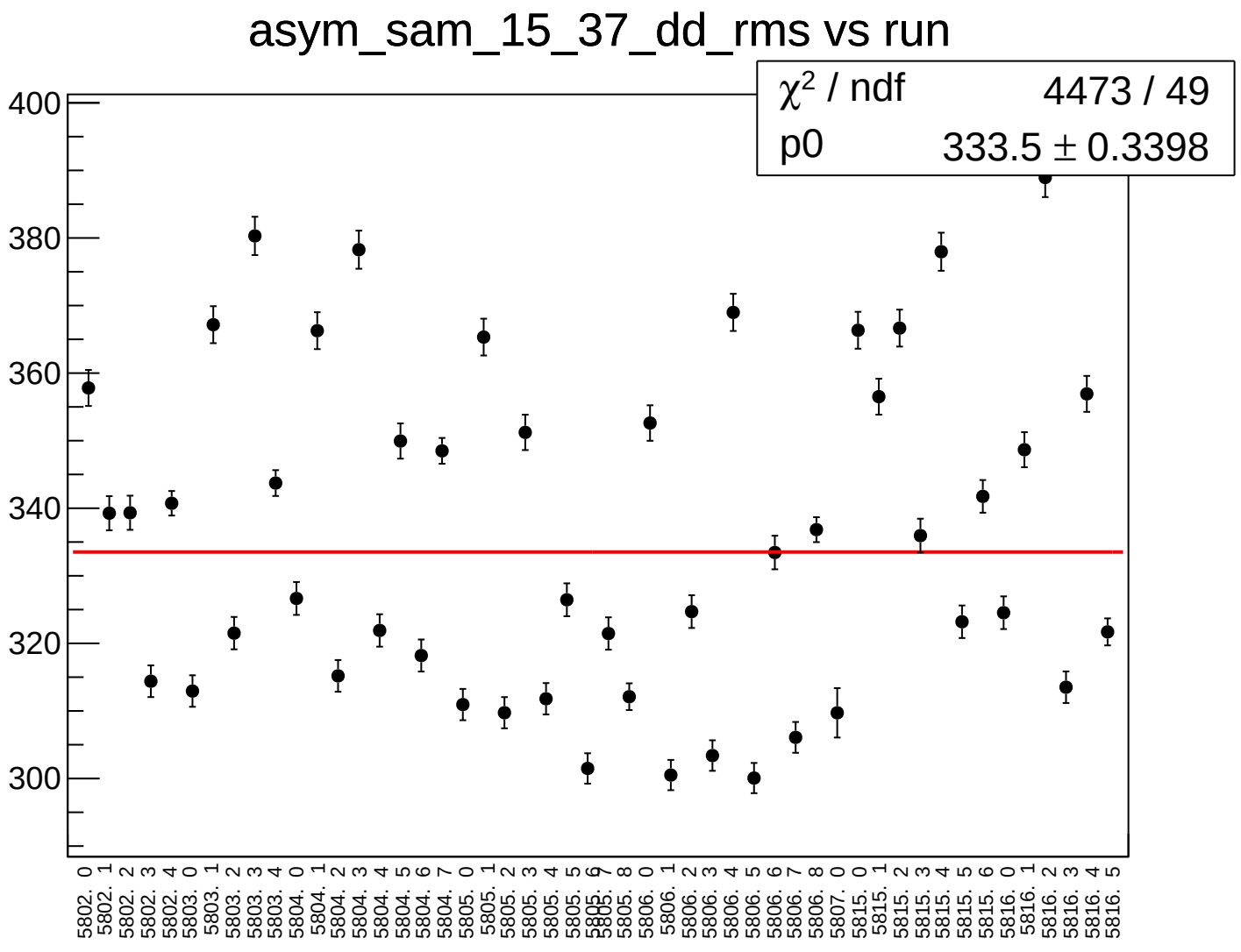

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 71.32 / 49
p0 −50.82 ± 480.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −119.4
Std Dev 146.3
2
1
0
−1
−2
−3

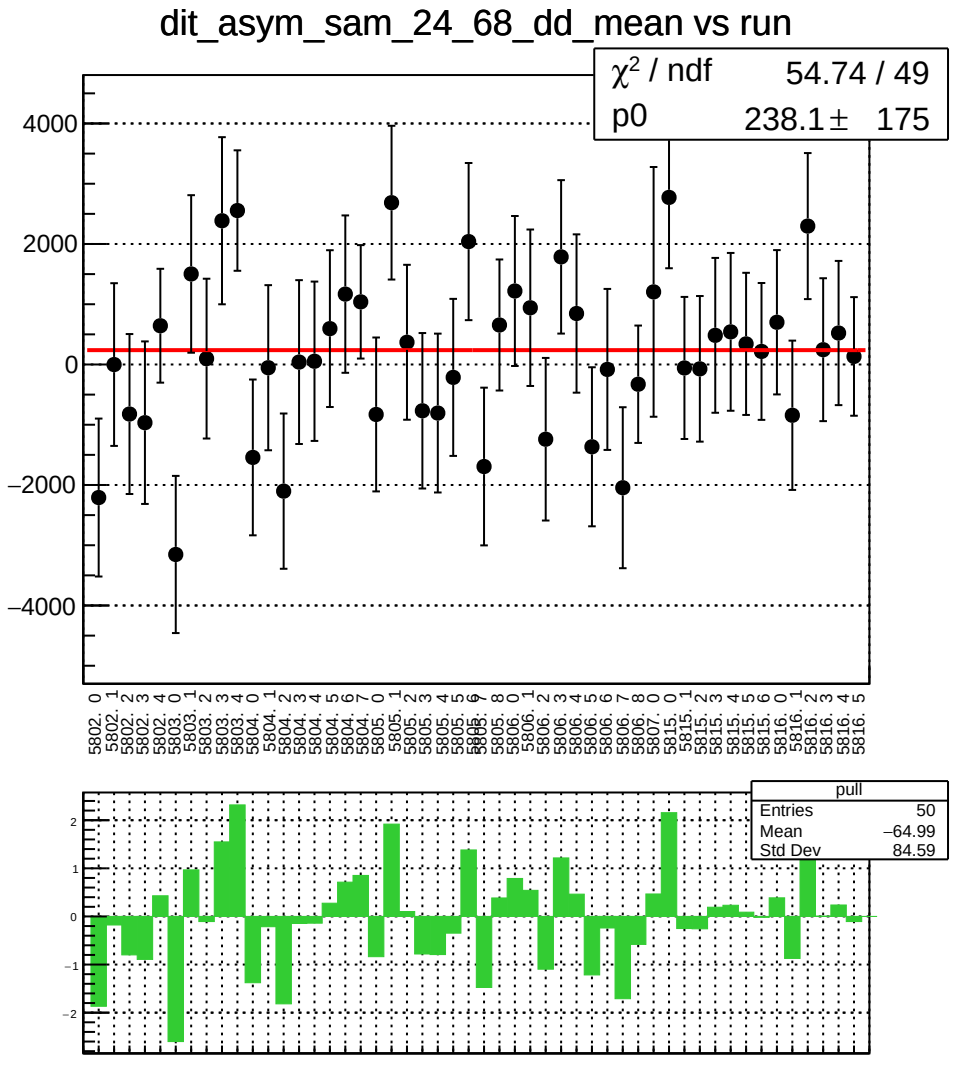

pull1D
Entries 50
Mean 0.02308
Std Dev 1.194
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

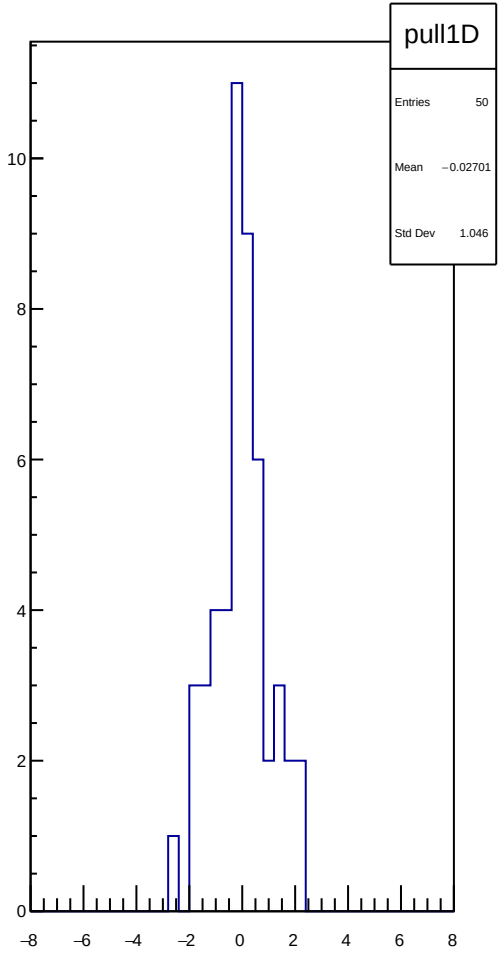

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3695 / 49
p0 333.9 ± 0.34
400
380
360
340
320
300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

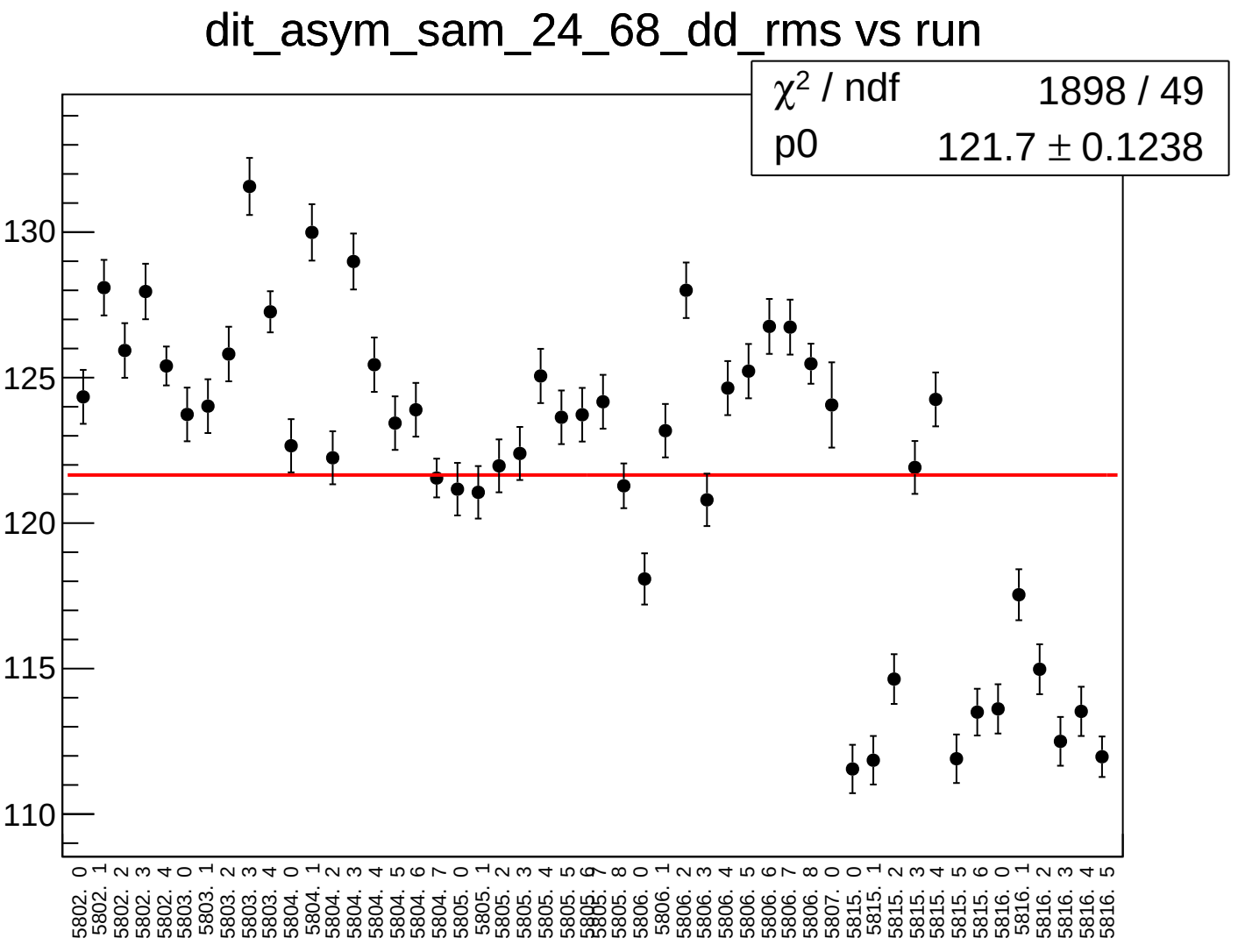

asym_sam_15_37_dd_mean vs run
χ² / ndf 69.08 / 49
p0 55.21 ± 480.5
15000
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −133.6
Std Dev 161
3
2
1
0
−1
−2

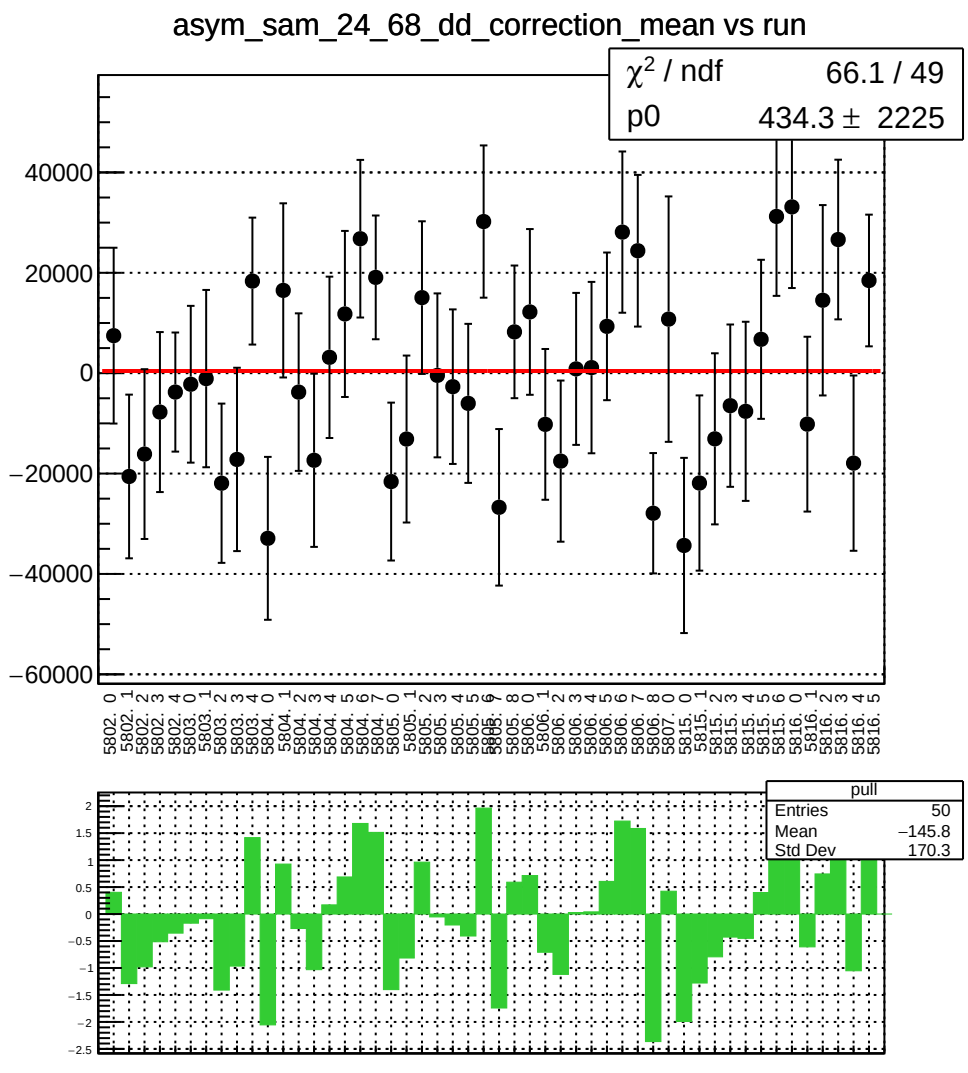

pull1D
Entries 50
Mean −0.01944
Std Dev 1.175
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

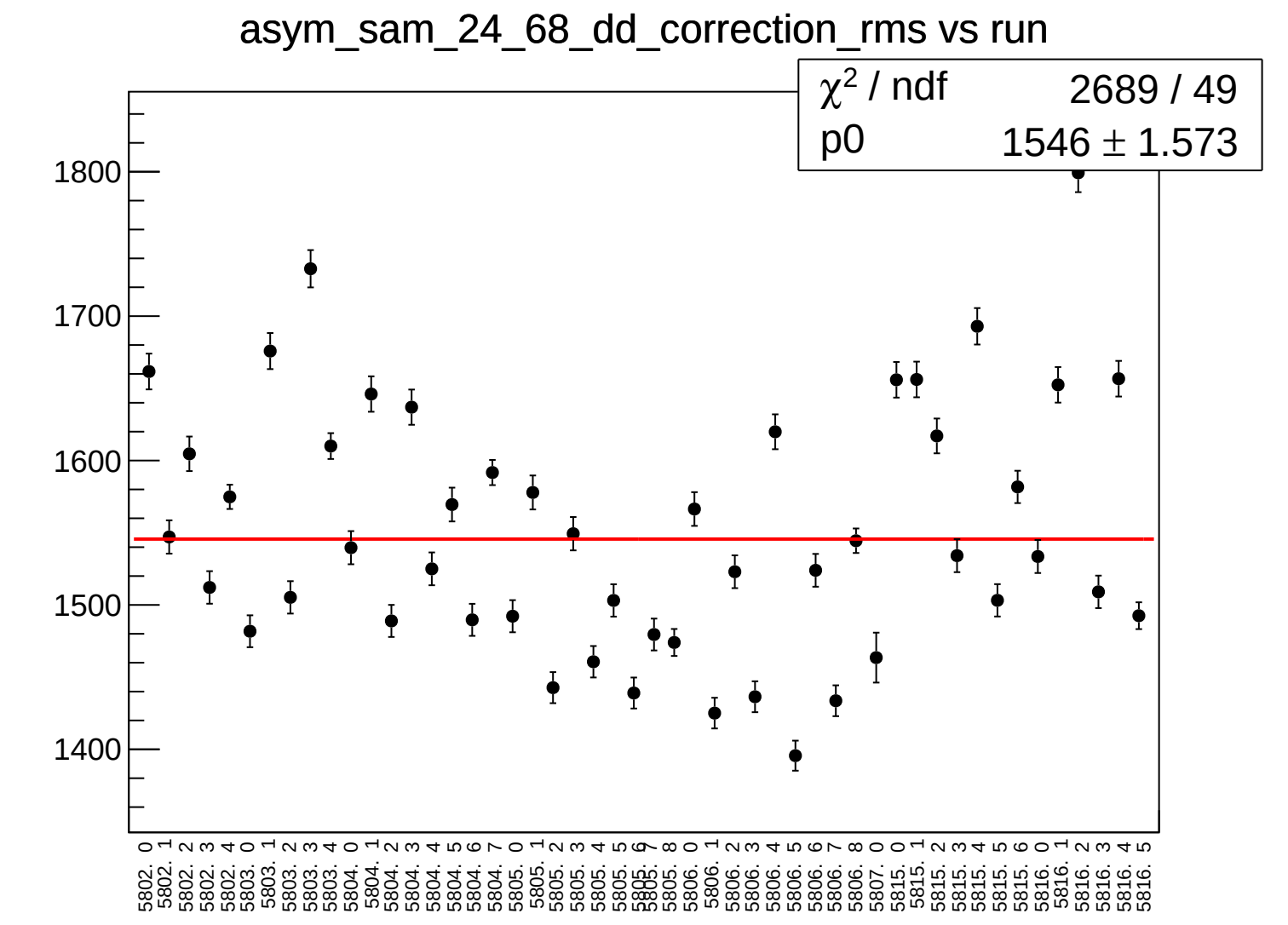

asym_sam_15_37_dd_rms vs run
χ² / ndf 4473 / 49
p0 333.5 ± 0.3398
400
380
360
340
320
300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

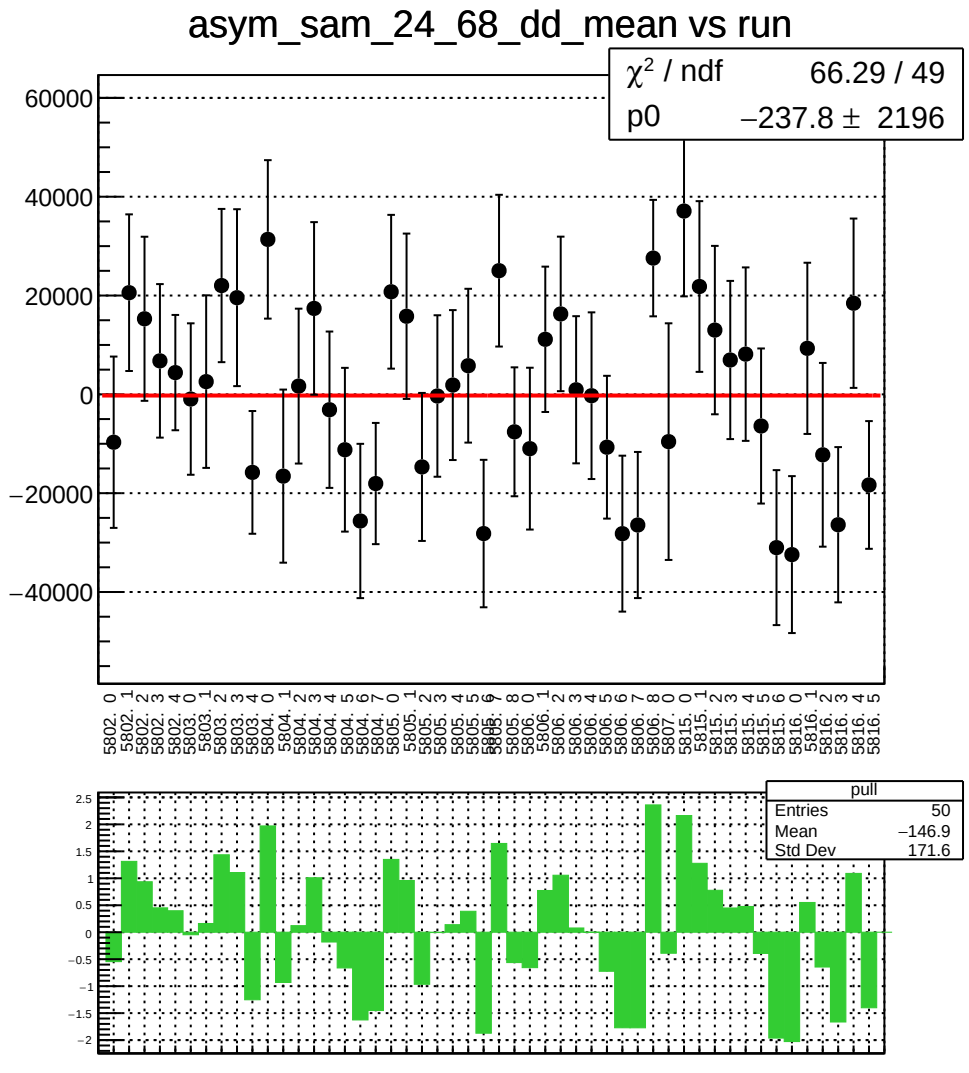

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 54.74 / 49
p0 238.1 ± 175
4000
2000
0
−2000
−4000
pull
Entries 50
Mean −64.99
Std Dev 84.59
2
1
0
−1
−2

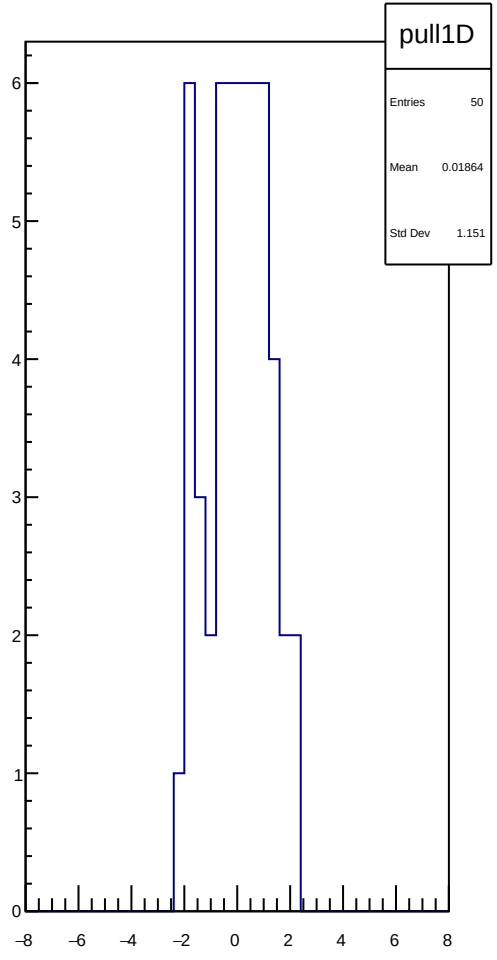

pull1D
Entries 50
Mean −0.02701
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

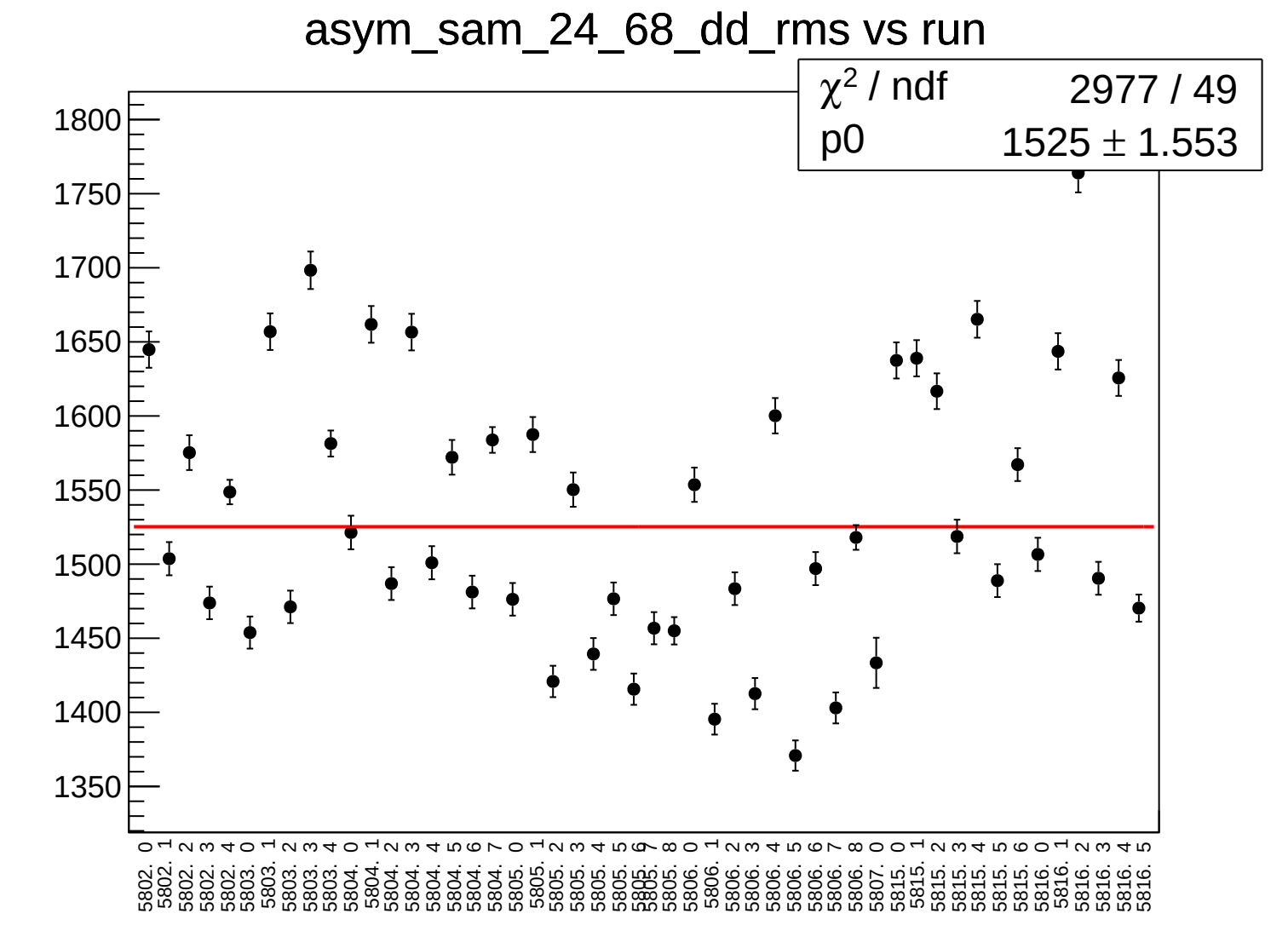

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1898 / 49
p0 121.7 ± 0.1238
130
125
120
115
110
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

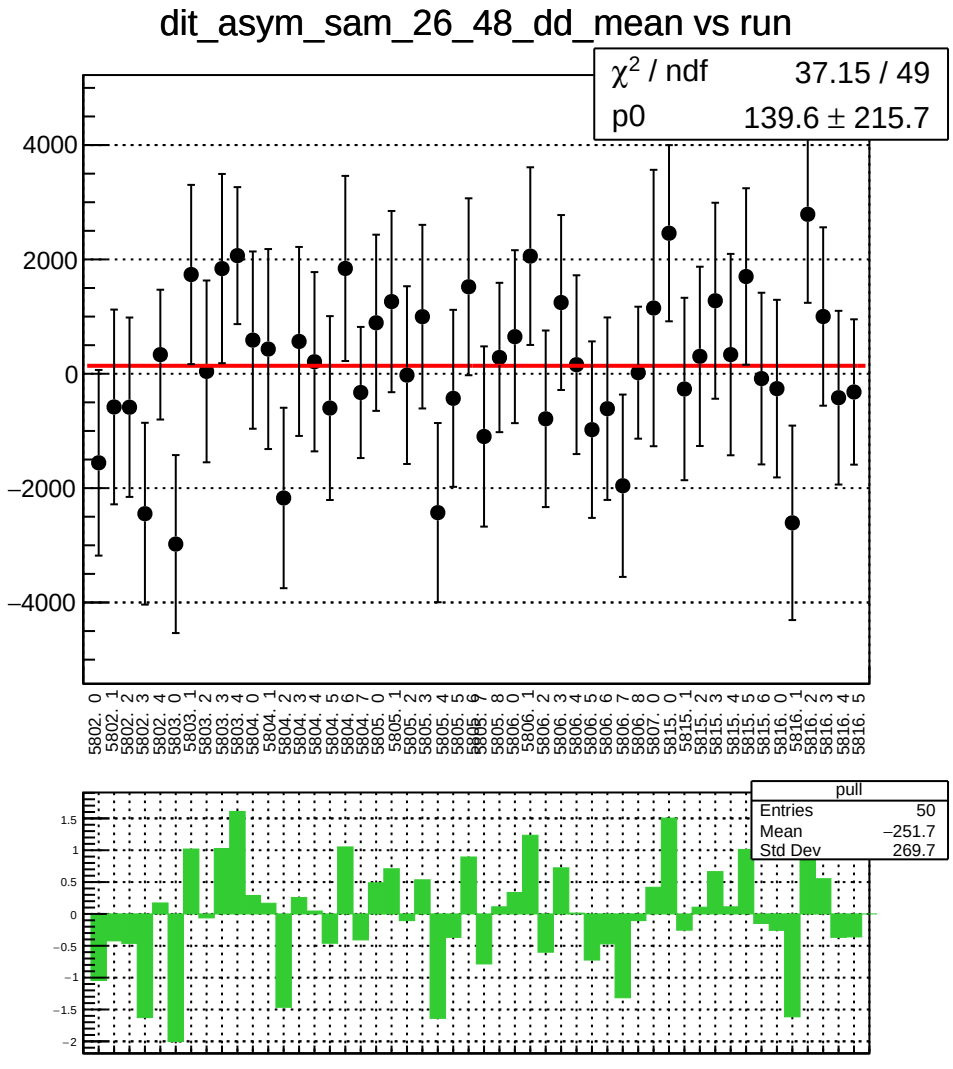

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 66.1 / 49
p0 434.3 ± 2225
40000
20000
0
−20000
−40000
−60000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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 −145.8
Std Dev 170.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.01939
Std Dev 1.15
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

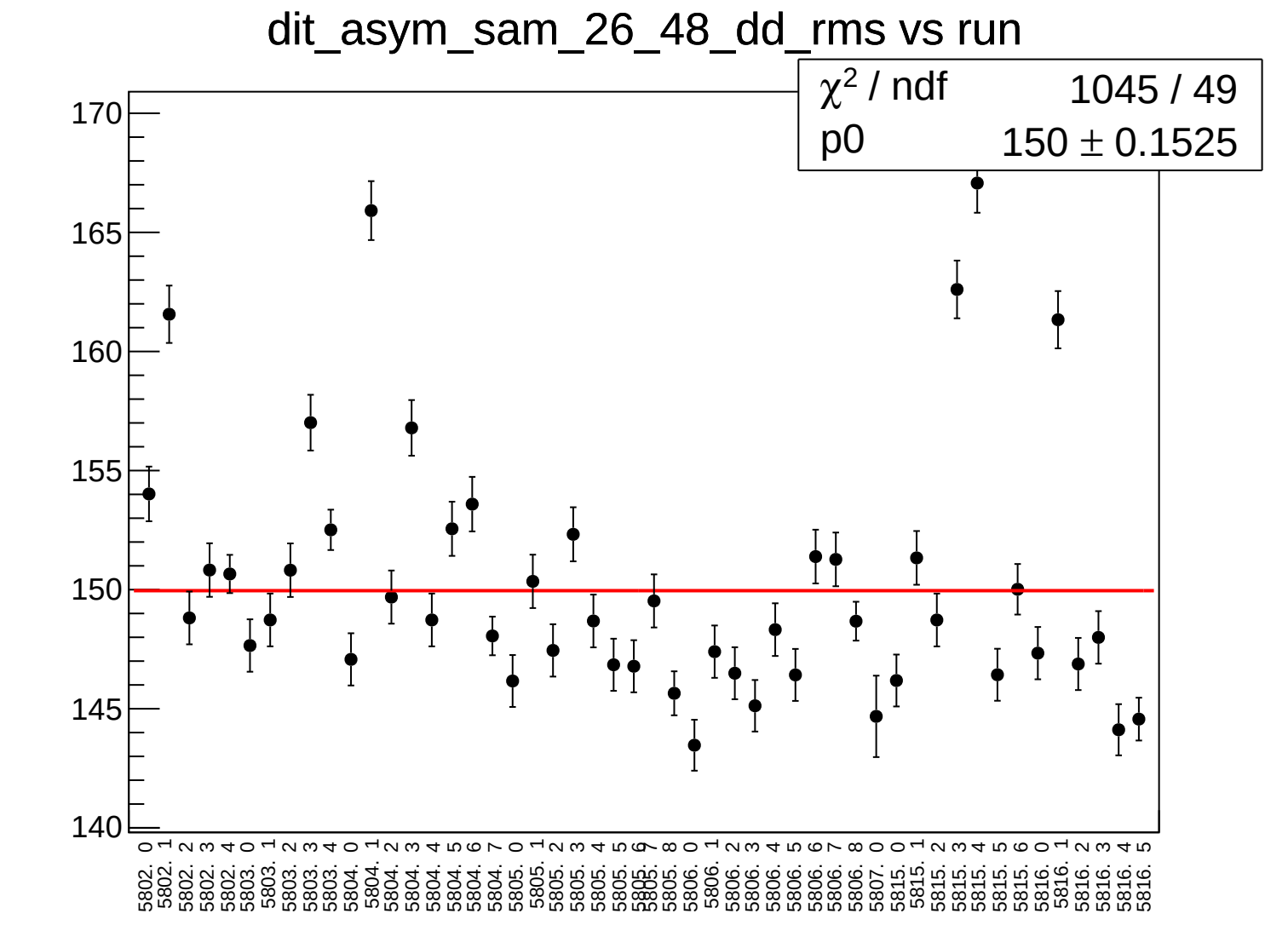

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2689 / 49
p0 1546 ± 1.573
1800
1700
1600
1500
1400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

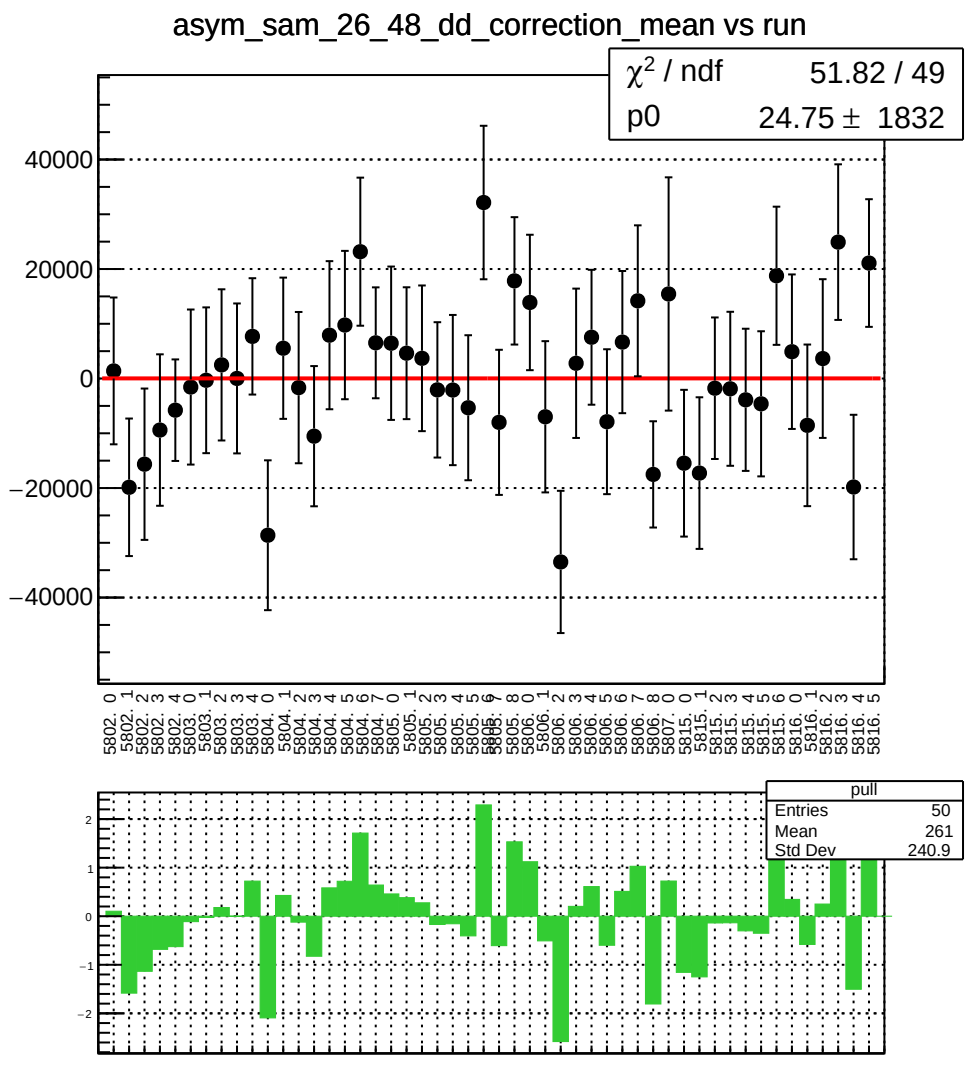

asym_sam_24_68_dd_mean vs run
χ² / ndf 66.29 / 49
p0 −237.8 ± 2196
60000
40000
20000
0
−20000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
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 −146.9
Std Dev 171.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

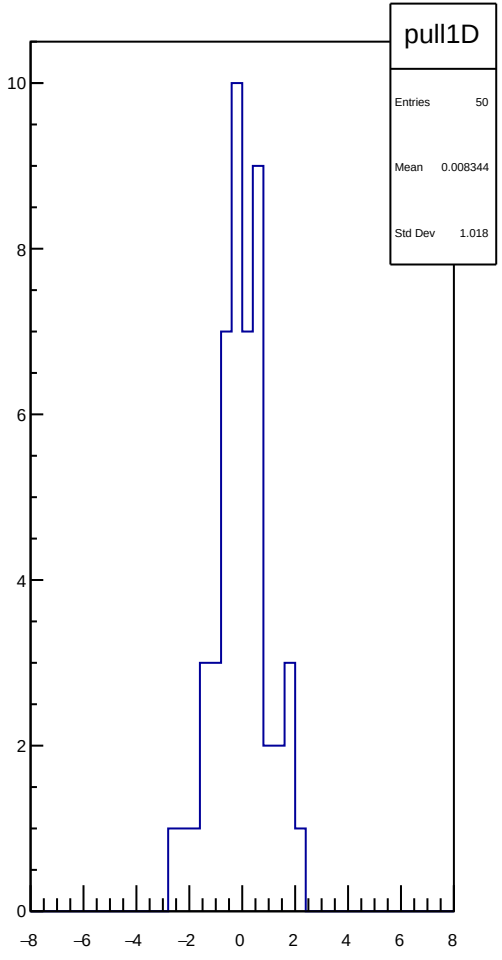

pull1D
Entries 50
Mean 0.01864
Std Dev 1.151
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

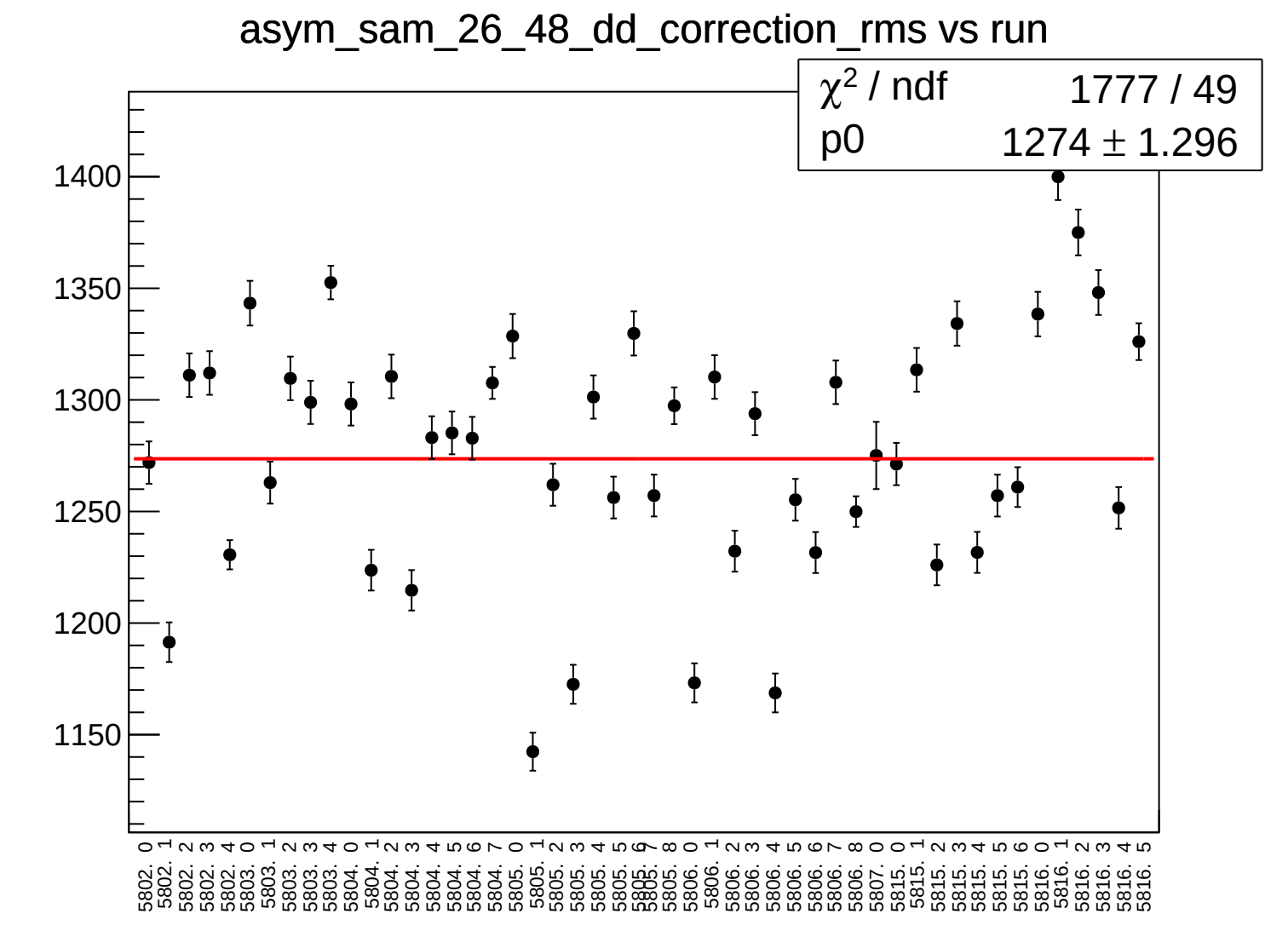

asym_sam_24_68_dd_rms vs run
χ² / ndf 2977 / 49
p0 1525 ± 1.553
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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

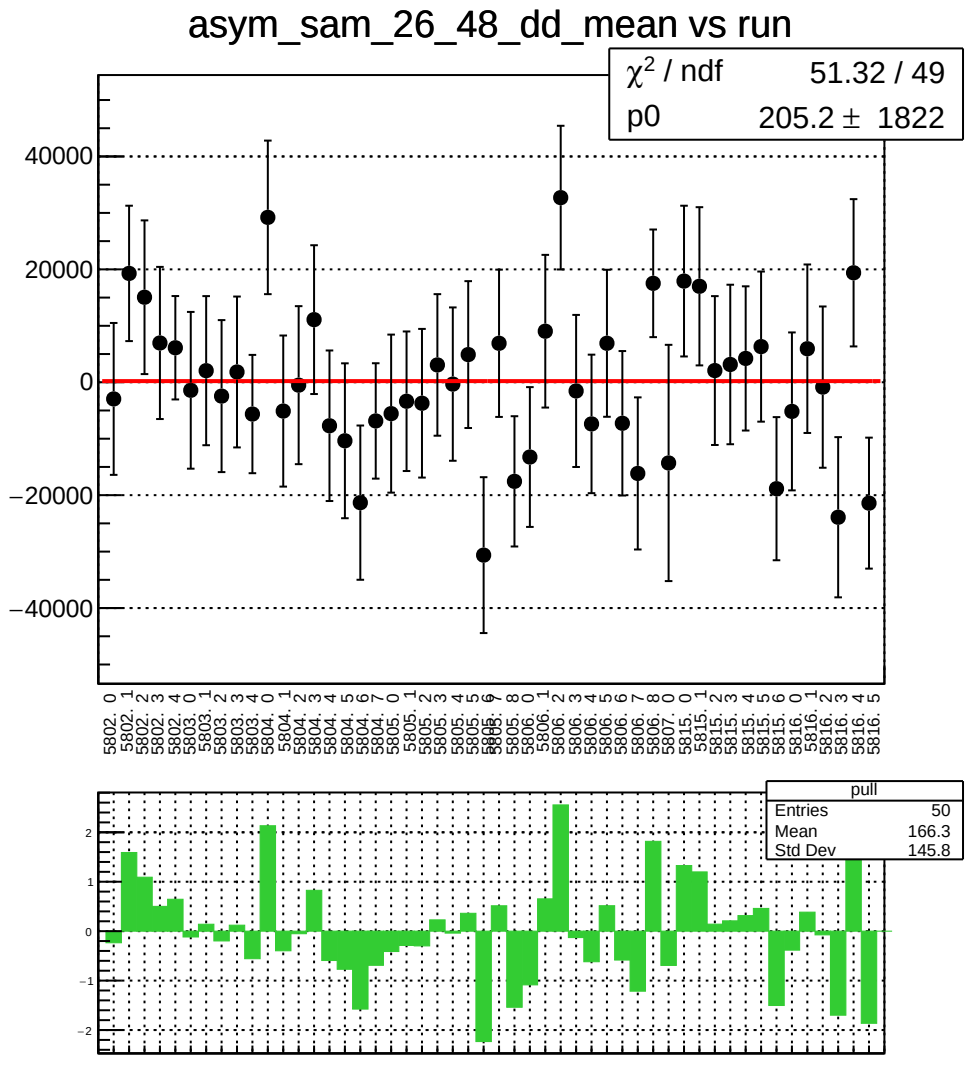

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 37.15 / 49
p0 139.6 ± 215.7
4000
2000
0
−2000
−4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 −251.7
Std Dev 269.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.006154
Std Dev 0.8619
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

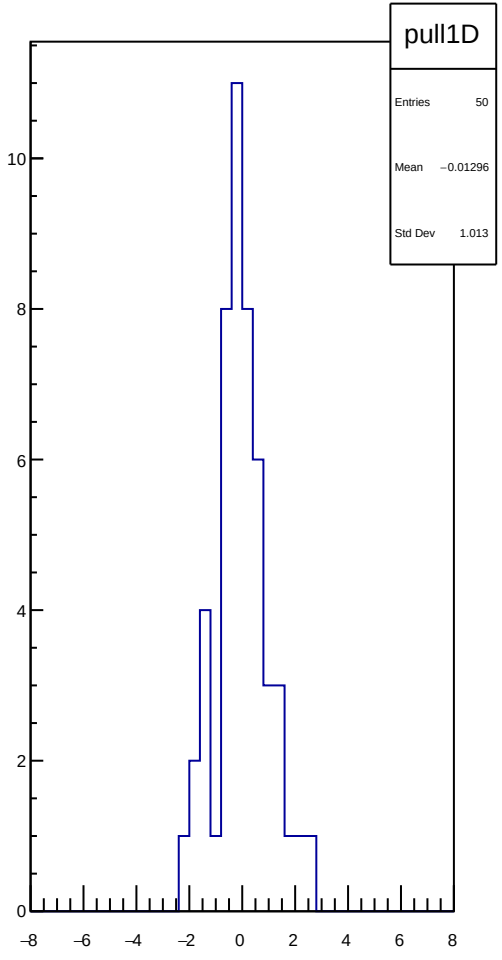

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1045 / 49
p0 150 ± 0.1525
170
165
160
155
150
145
140
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

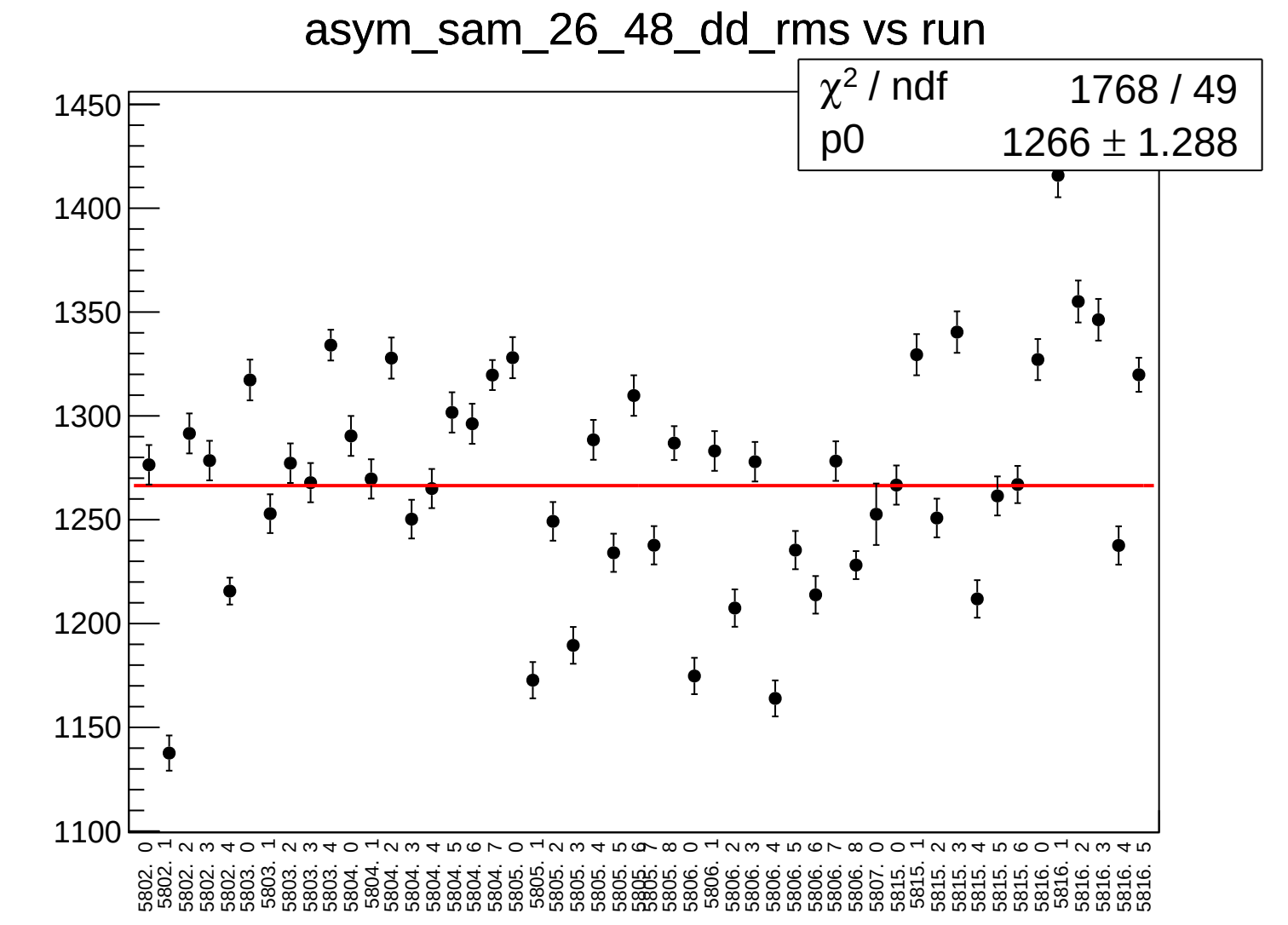

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 51.82 / 49
p0 24.75 ± 1832
40000
20000
0
−20000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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 261
Std Dev 240.9
2
1
0
−1
−2

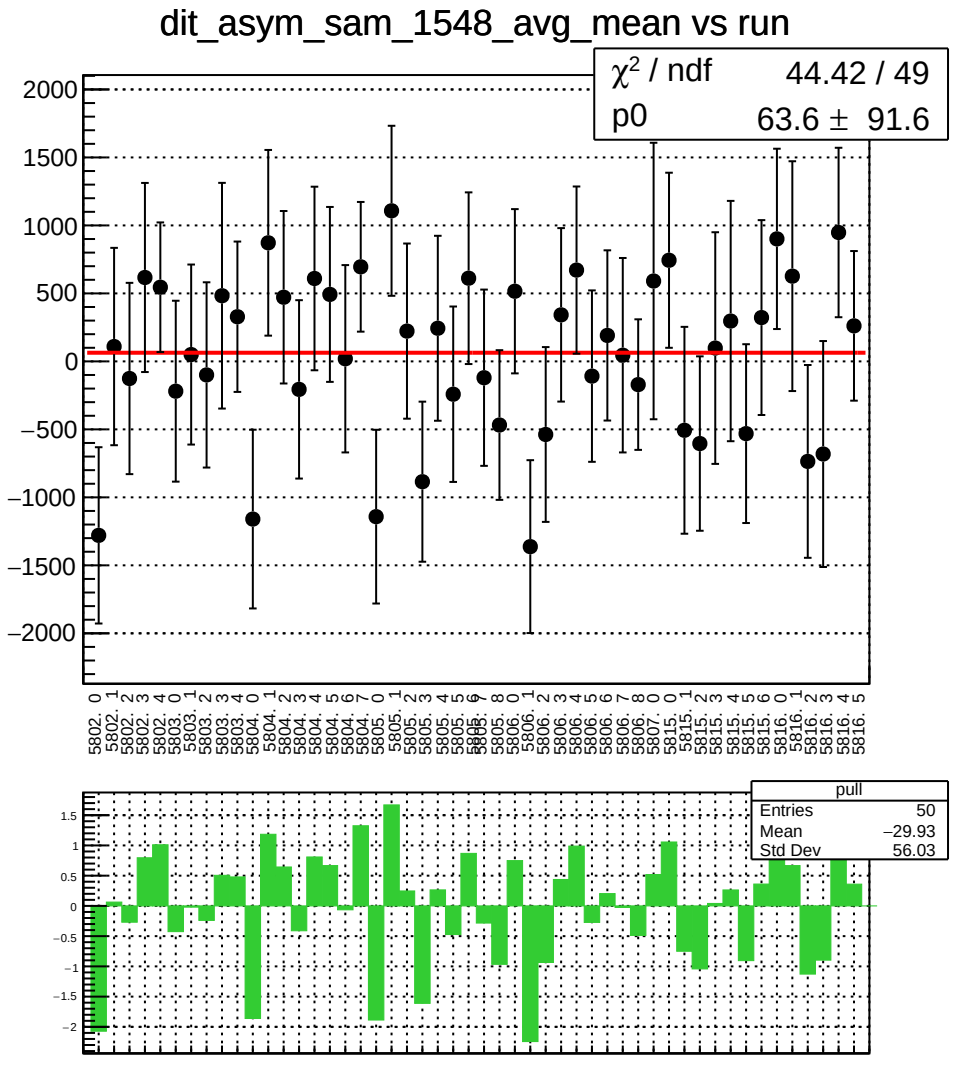

pull1D
Entries 50
Mean 0.008344
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

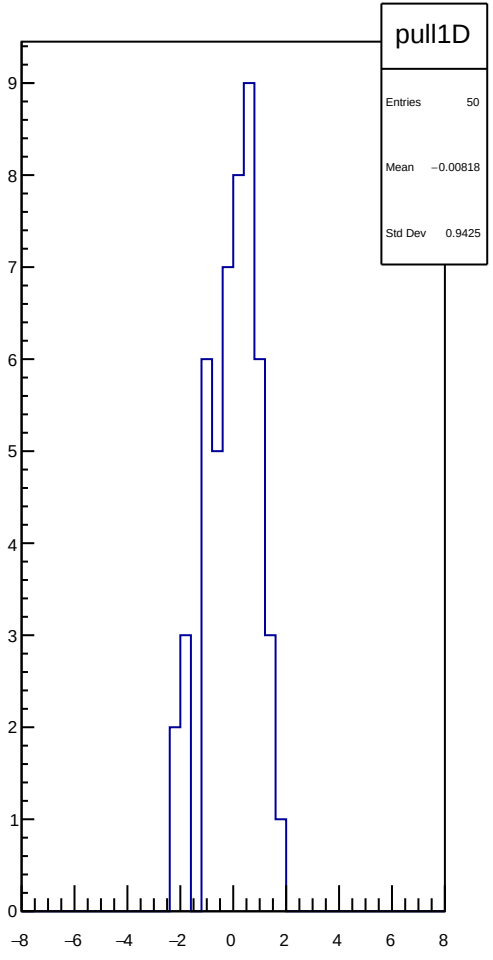

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1777 / 49
p0 1274 ± 1.296
1400
1350
1300
1250
1200
1150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

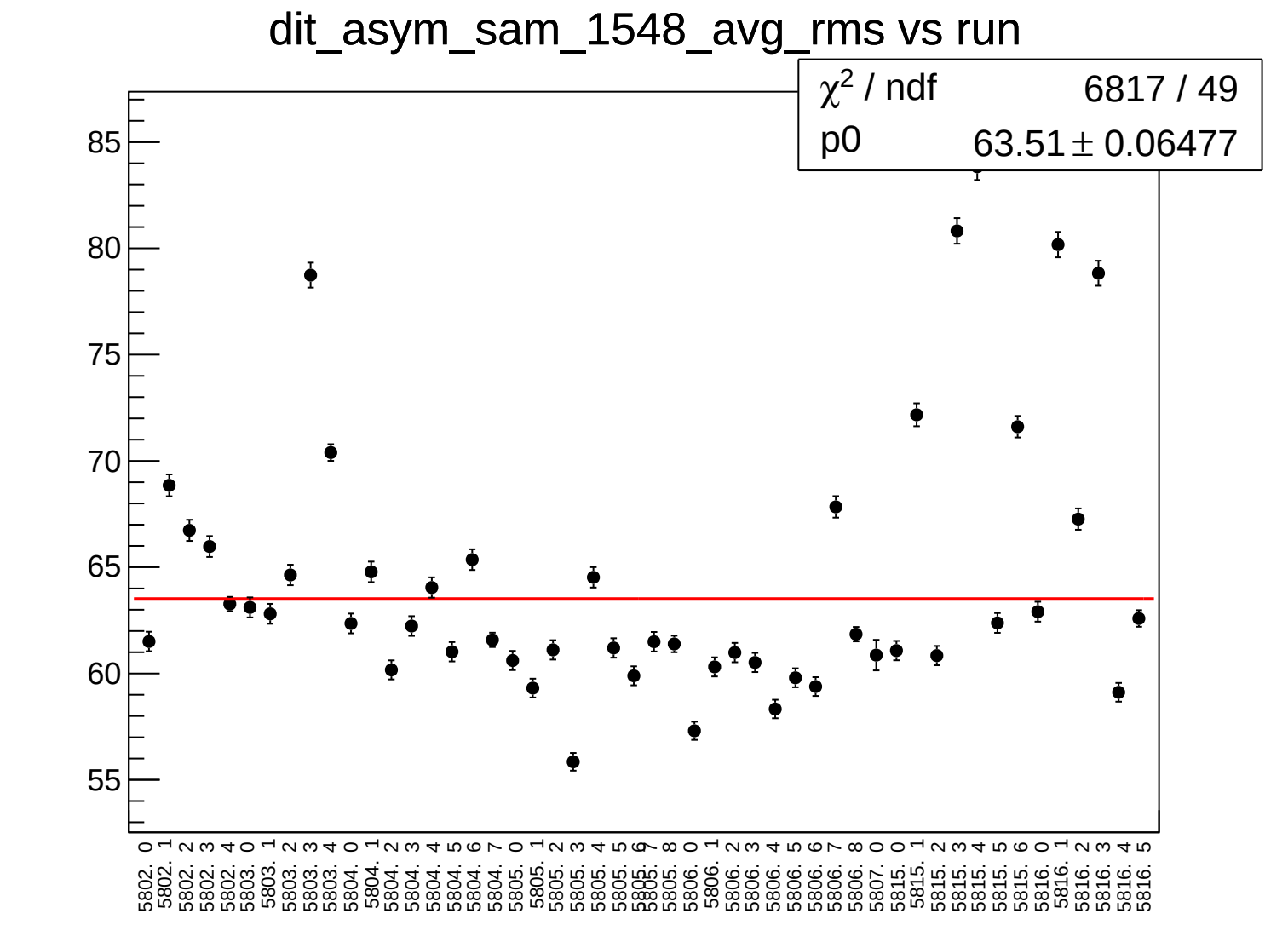

asym_sam_26_48_dd_mean vs run
χ^2 / ndf 51.32 / 49
p0 205.2 ± 1822
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 166.3
Std Dev 145.8
2
1
0
−1
−2

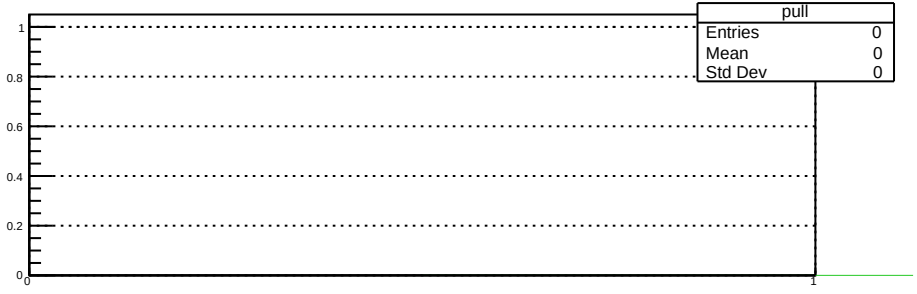

pull1D
Entries 50
Mean −0.01296
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

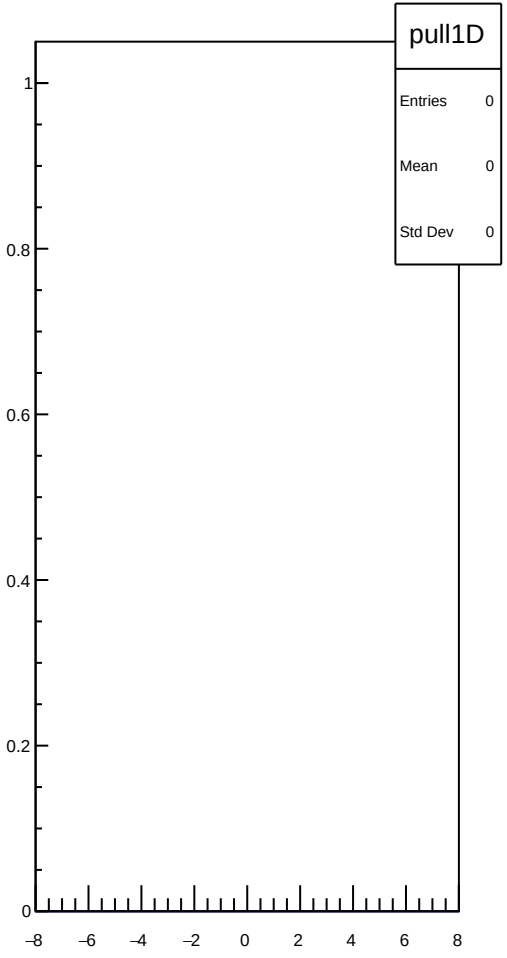

asym_sam_26_48_dd_rms vs run
χ² / ndf 1768 / 49
p0 1266 ± 1.288
1450
1400
1350
1300
1250
1200
1150
1100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

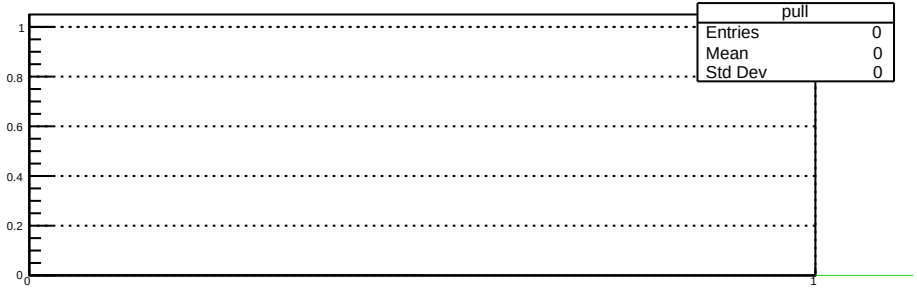

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 44.42 / 49
p0 63.6 ± 91.6
pull
Entries 50
Mean −29.93
Std Dev 56.03

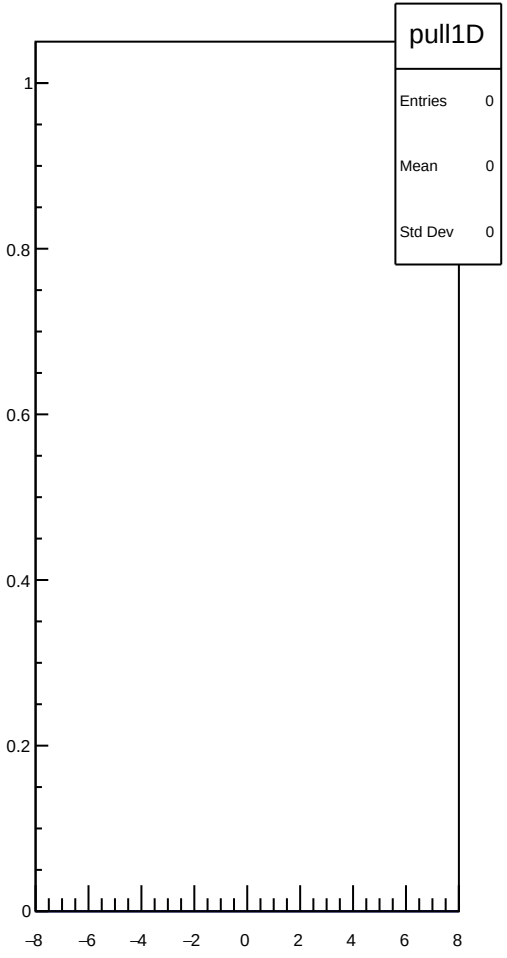

pull1D
Entries 50
Mean −0.00818
Std Dev 0.9425

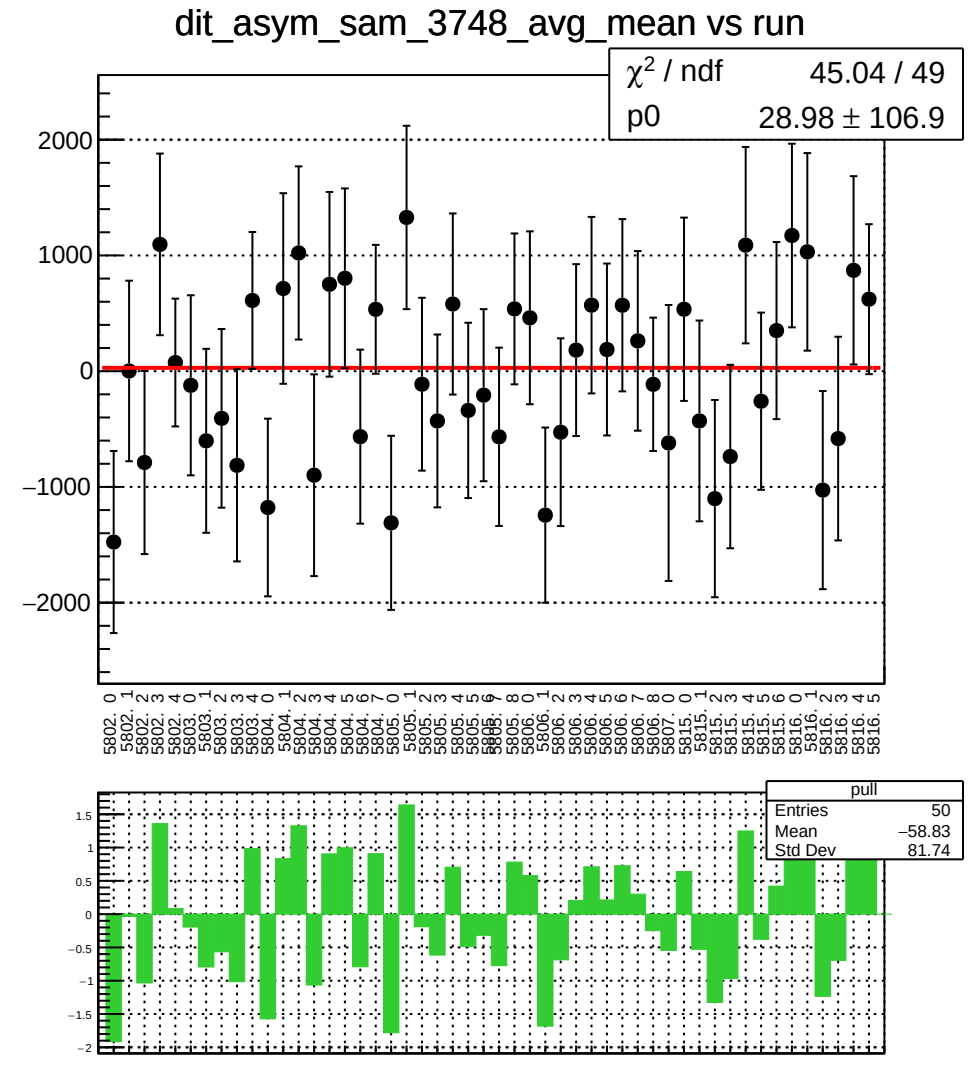

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 6817 / 49
p0 63.51 ± 0.06477
85
80
75
70
65
60
55
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

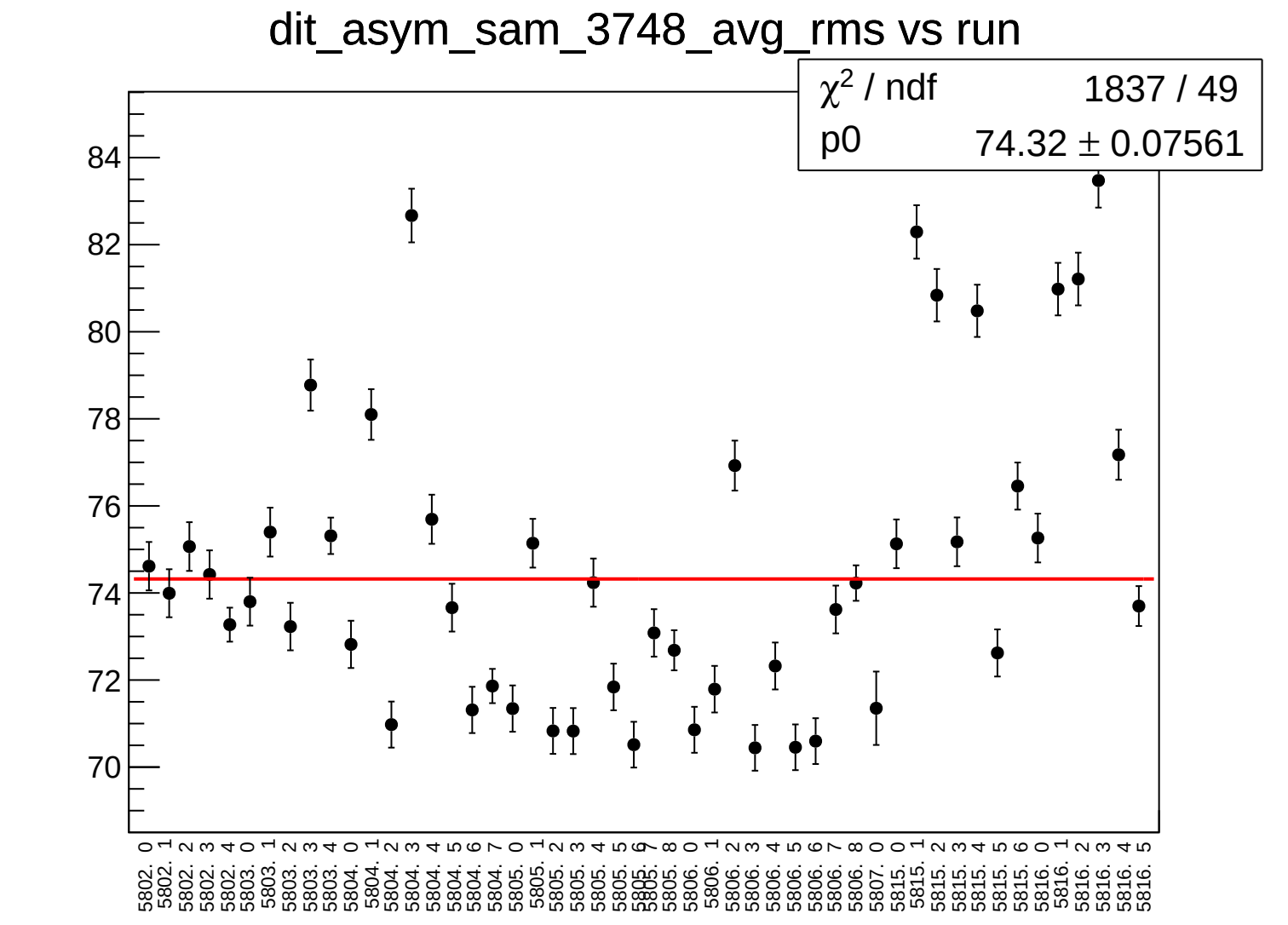

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

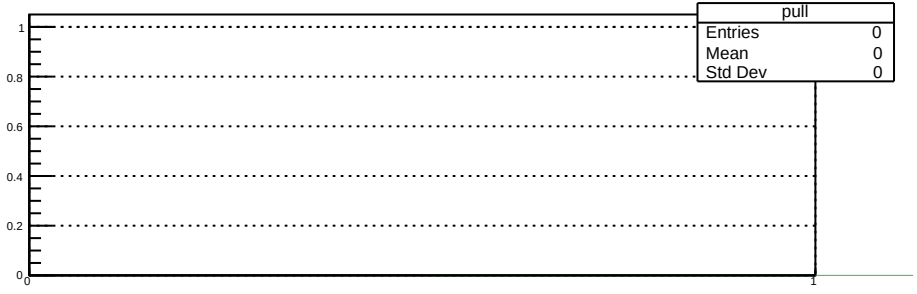

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

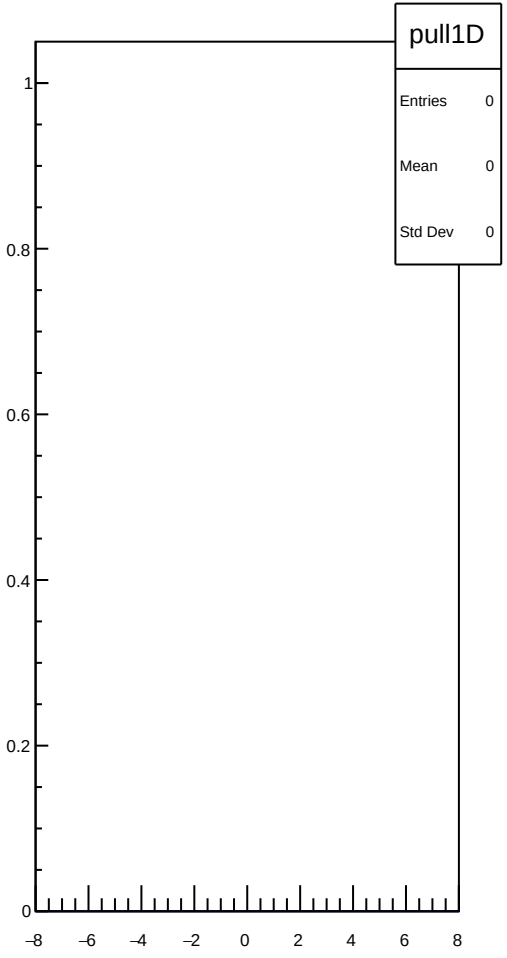

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

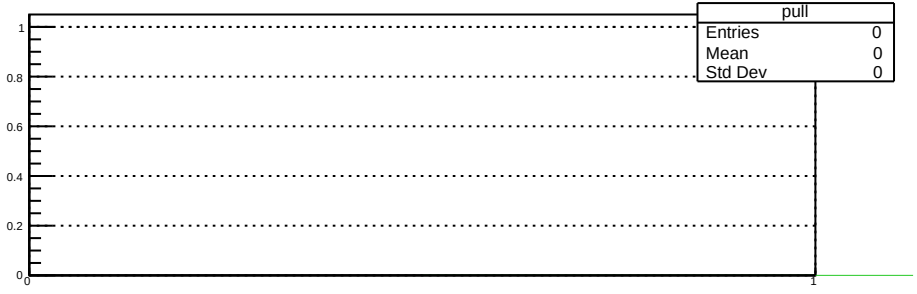

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

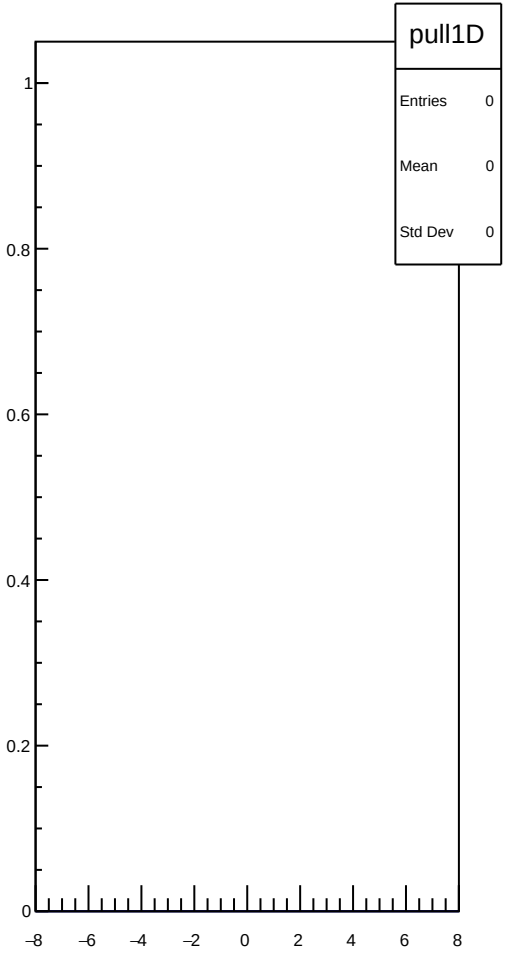

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 45.04 / 49
p0 28.98 ± 106.9
2000
1000
0
−1000
−2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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
pull
Entries 50
Mean −58.83
Std Dev 81.74
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.02593
Std Dev 0.9488
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

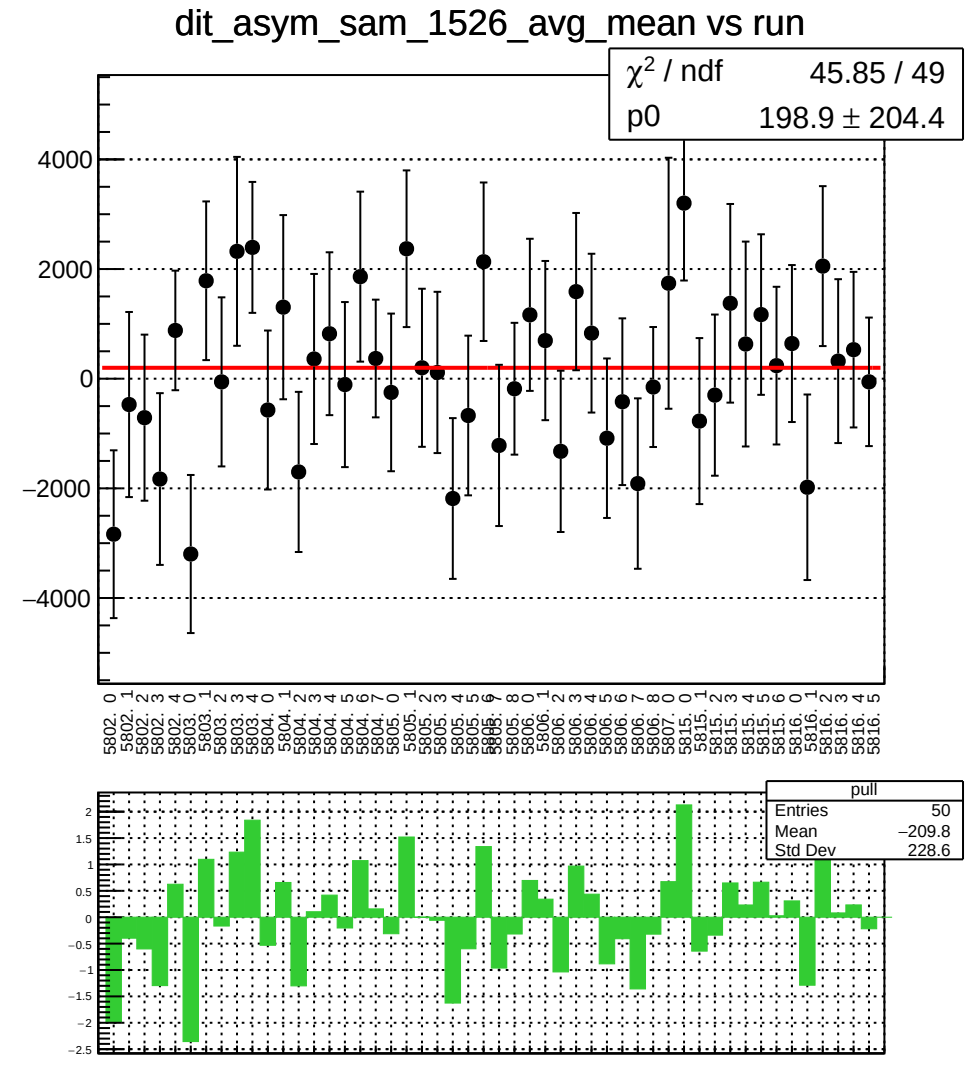

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1837 / 49
p0 74.32 ± 0.07561
84
82
80
78
76
74
72
70
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

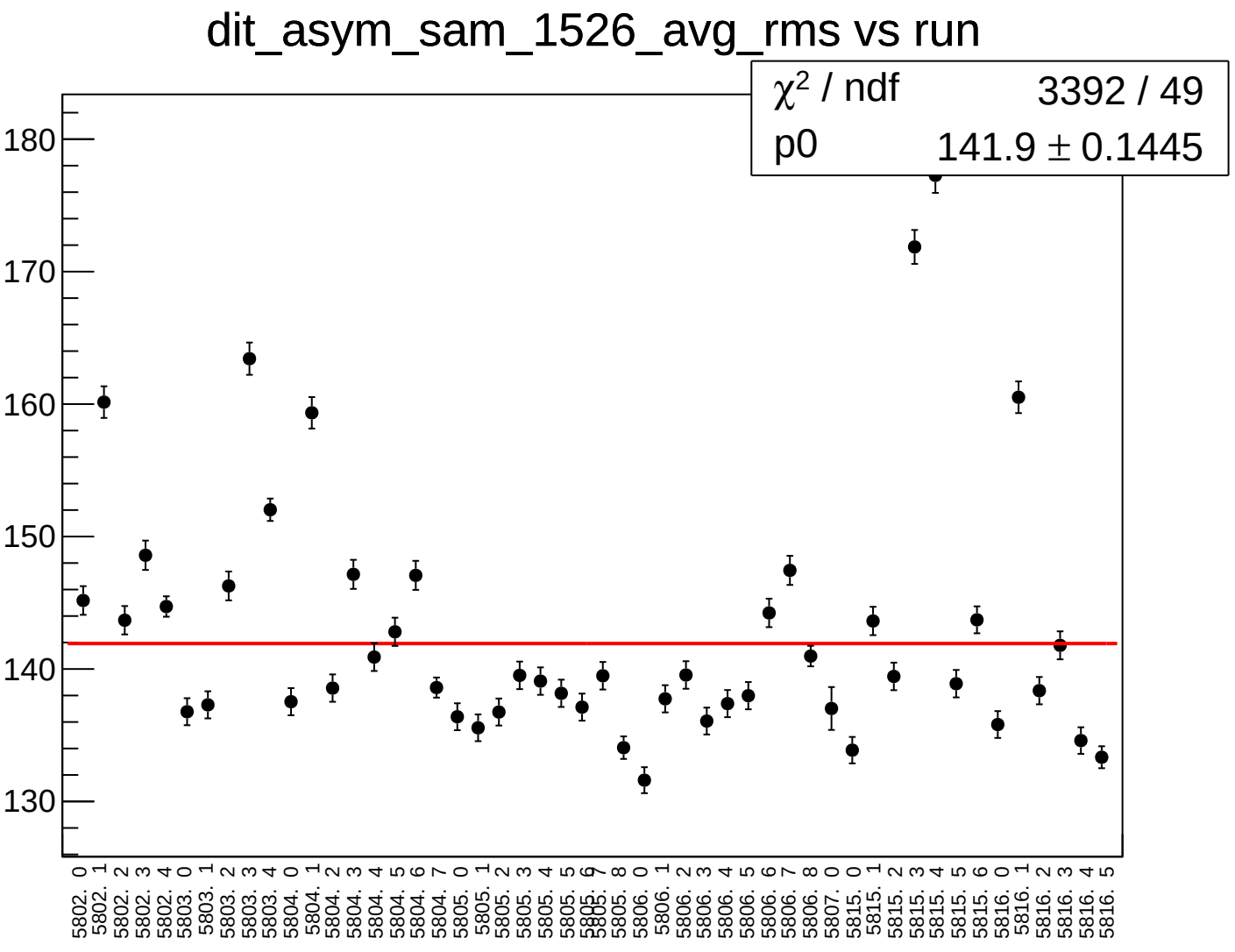

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

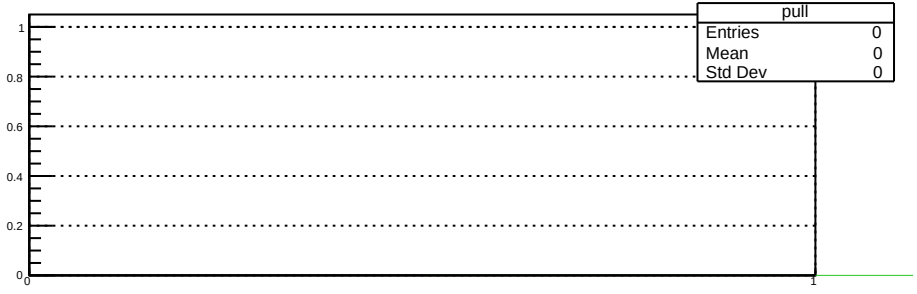

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

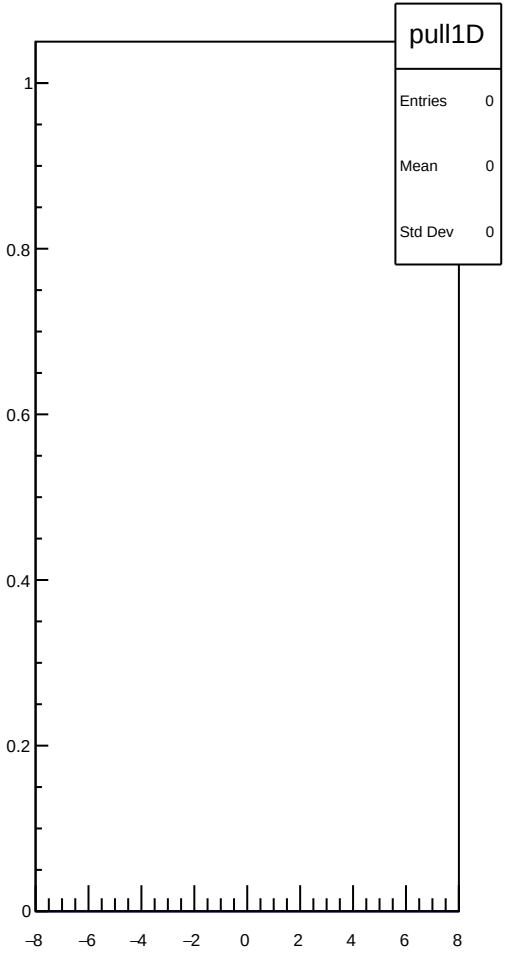

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

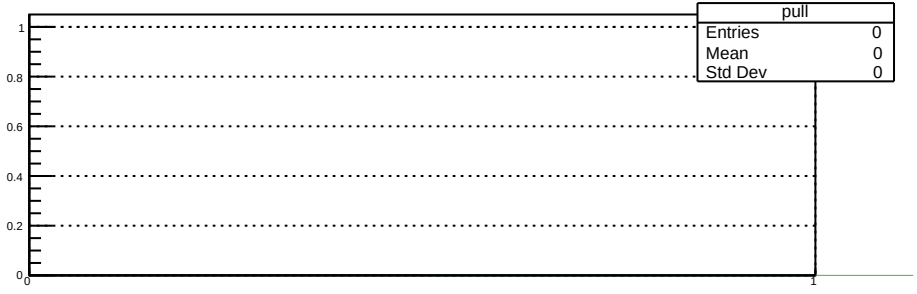

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

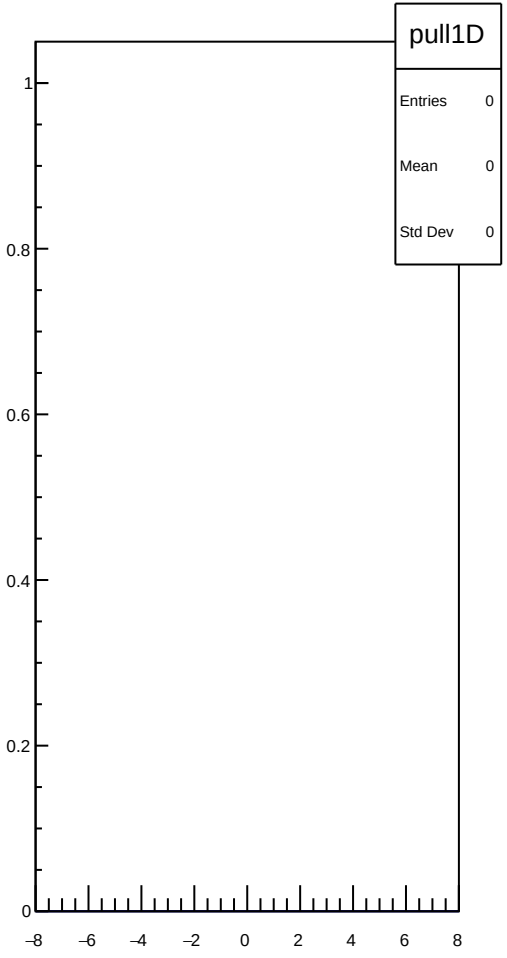

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 45.85 / 49
p0 198.9 ± 204.4
4000
2000
0
−2000
−4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 −209.8
Std Dev 228.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.008543
Std Dev 0.9575
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

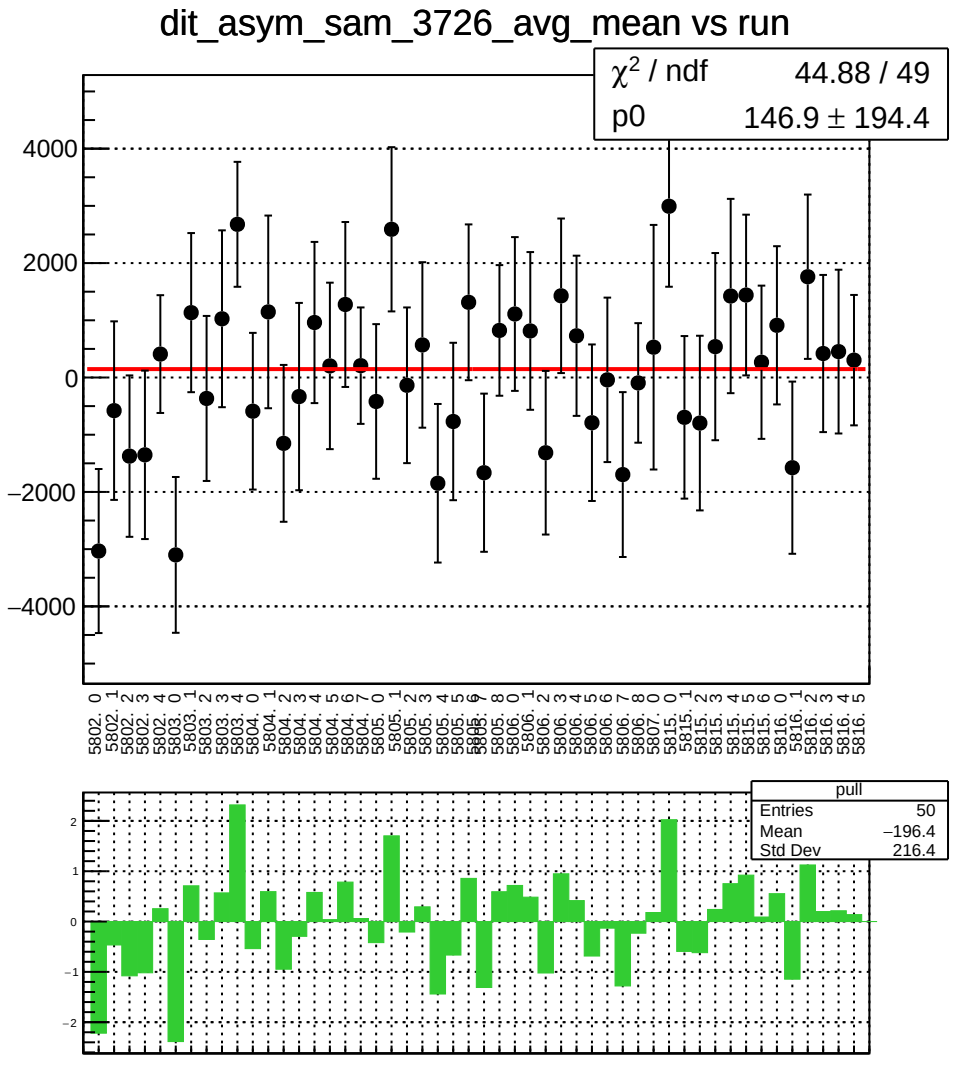

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3392 / 49
p0 141.9 ± 0.1445
180
170
160
150
140
130
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

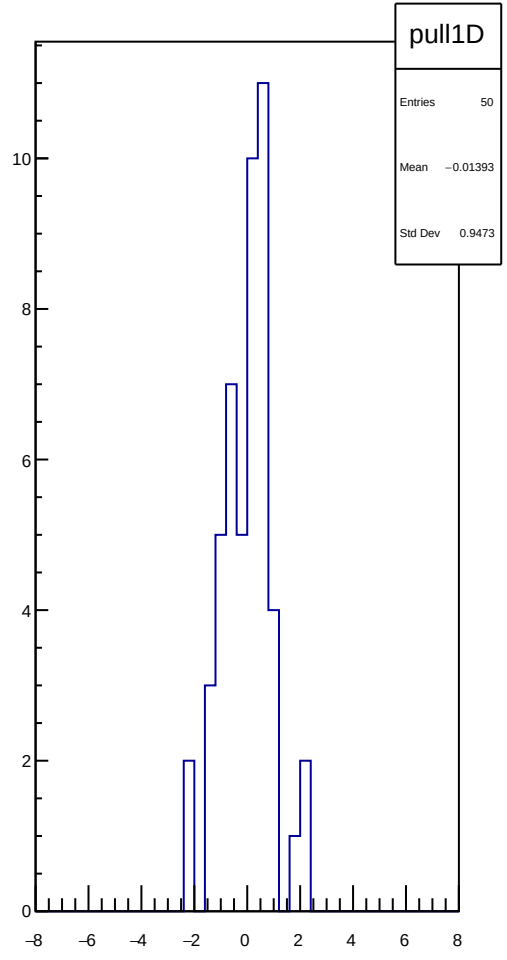

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

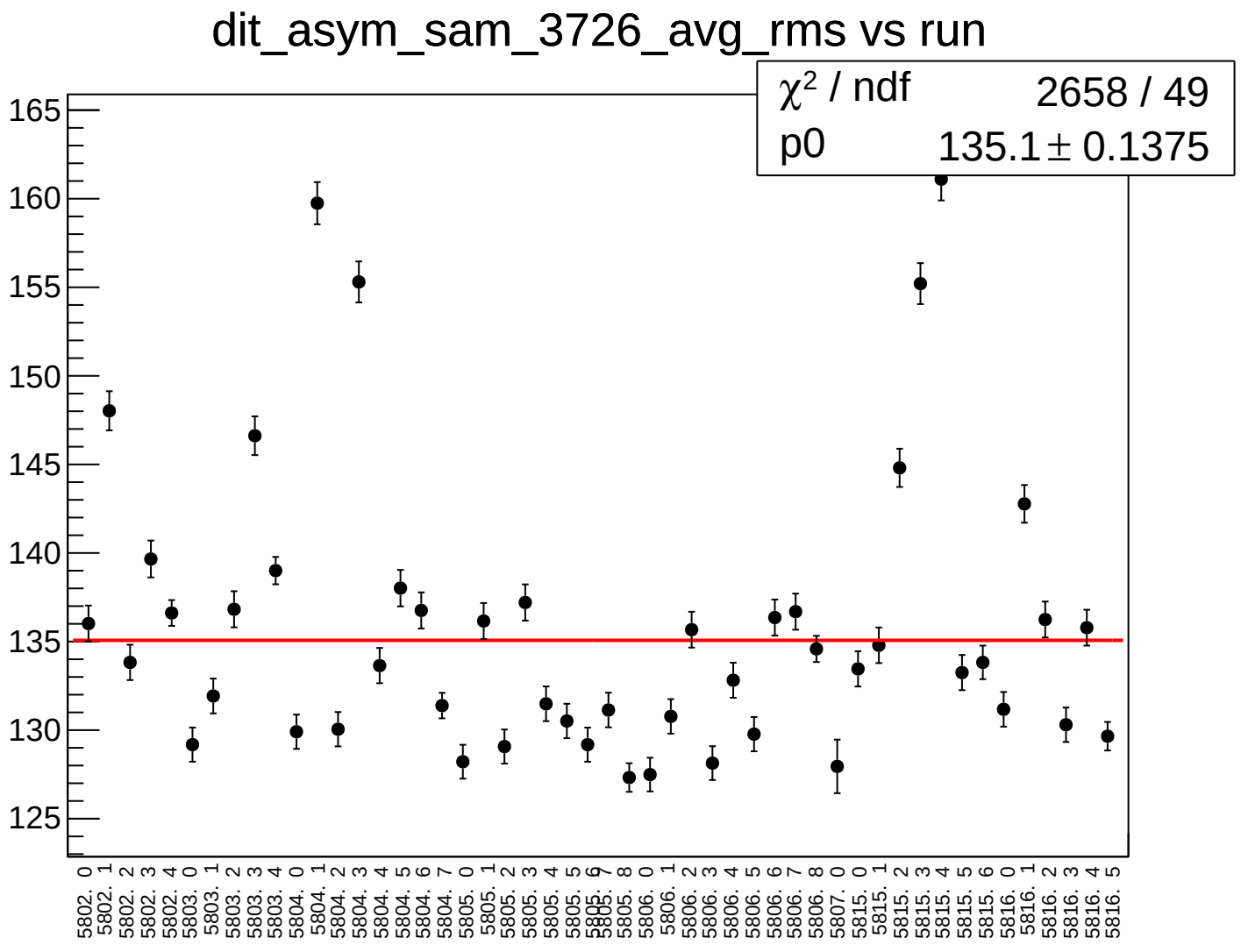

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

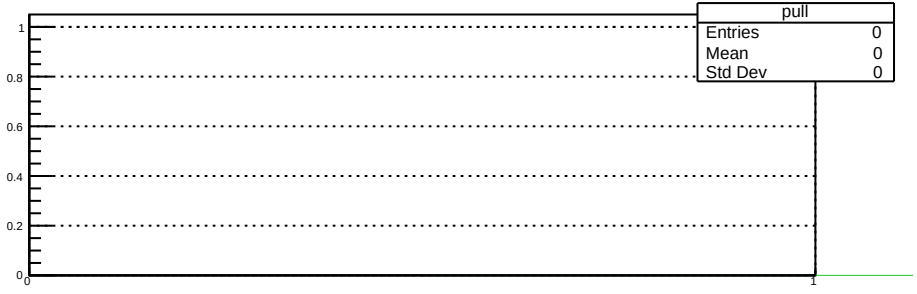

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

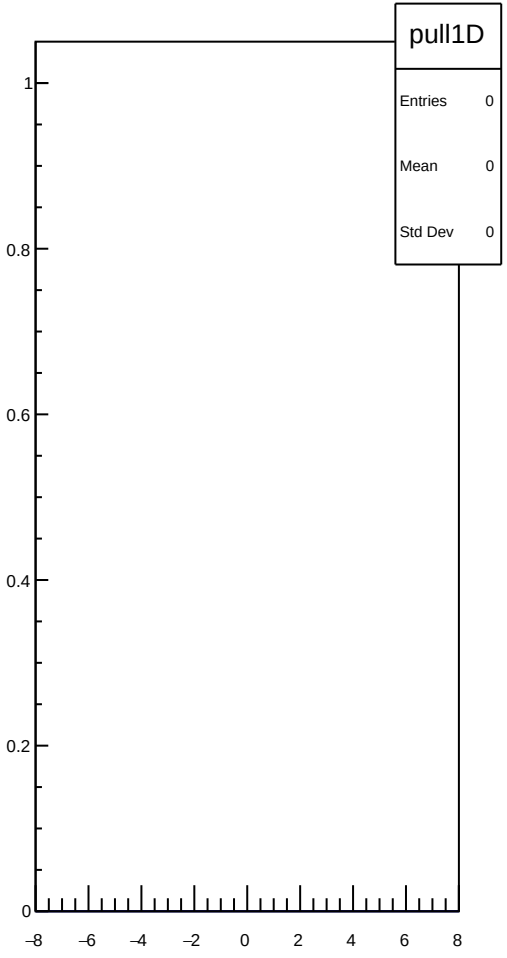

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

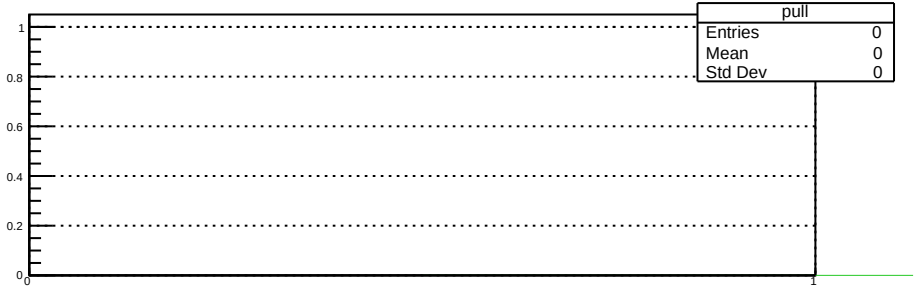

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 44.88 / 49
p0 146.9 ± 194.4
4000
2000
0
−2000
−4000
pull
Entries 50
Mean −196.4
Std Dev 216.4
2
1
0
−1
−2

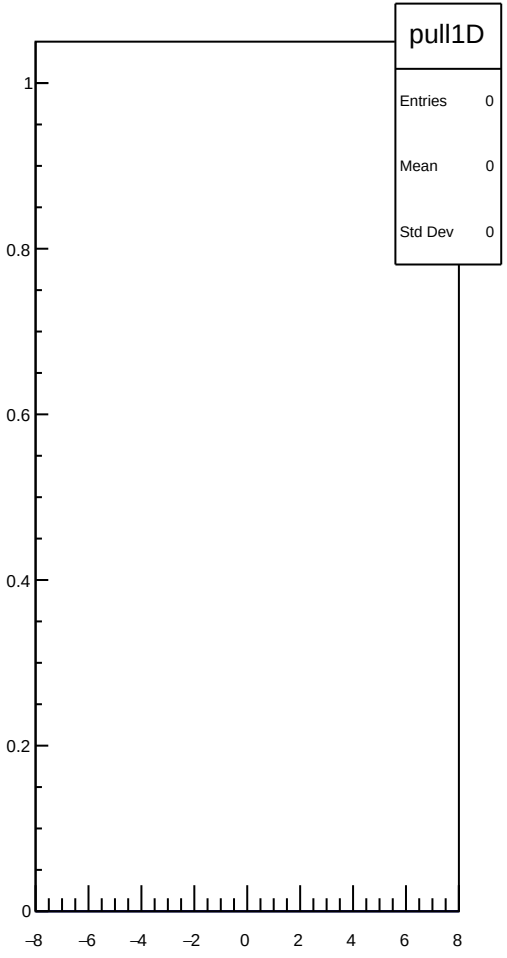

pull1D
Entries 50
Mean −0.01393
Std Dev 0.9473
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

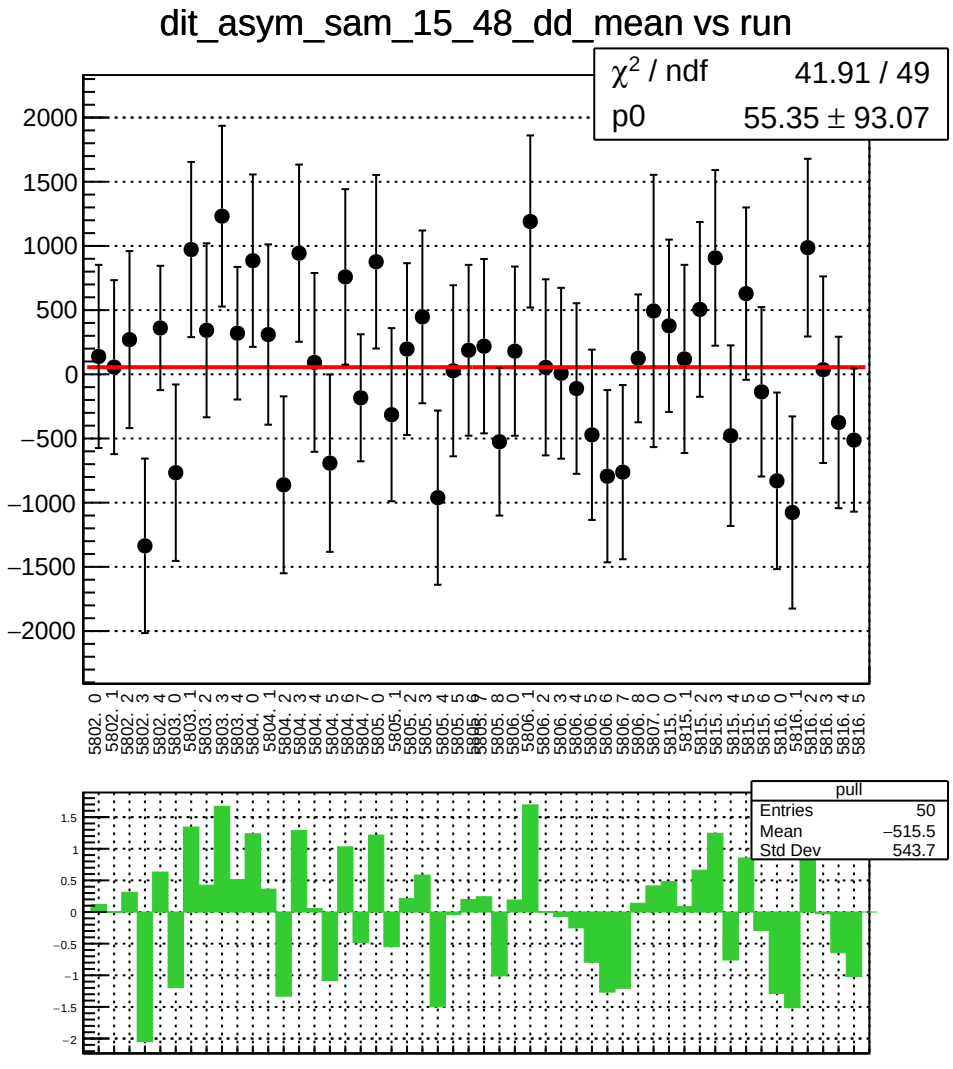

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2658 / 49
p0 135.1 ± 0.1375
165
160
155
150
145
140
135
130
125
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

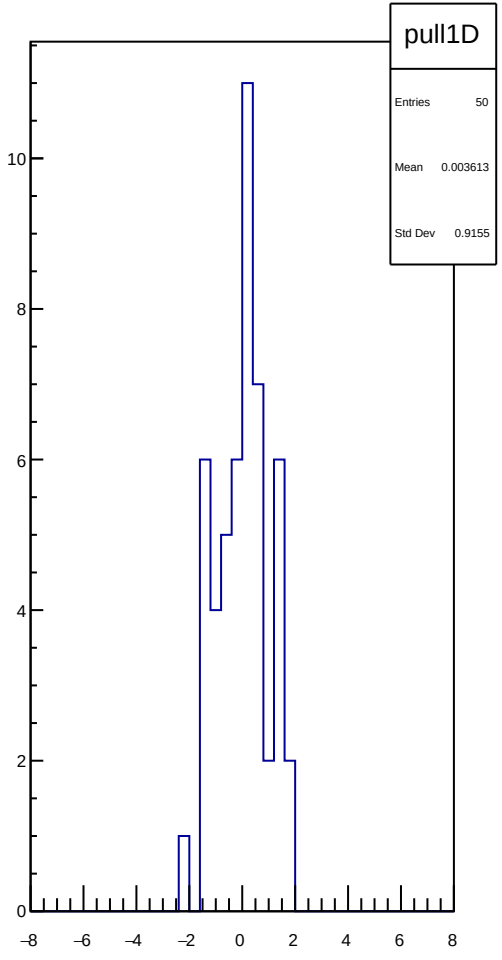

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

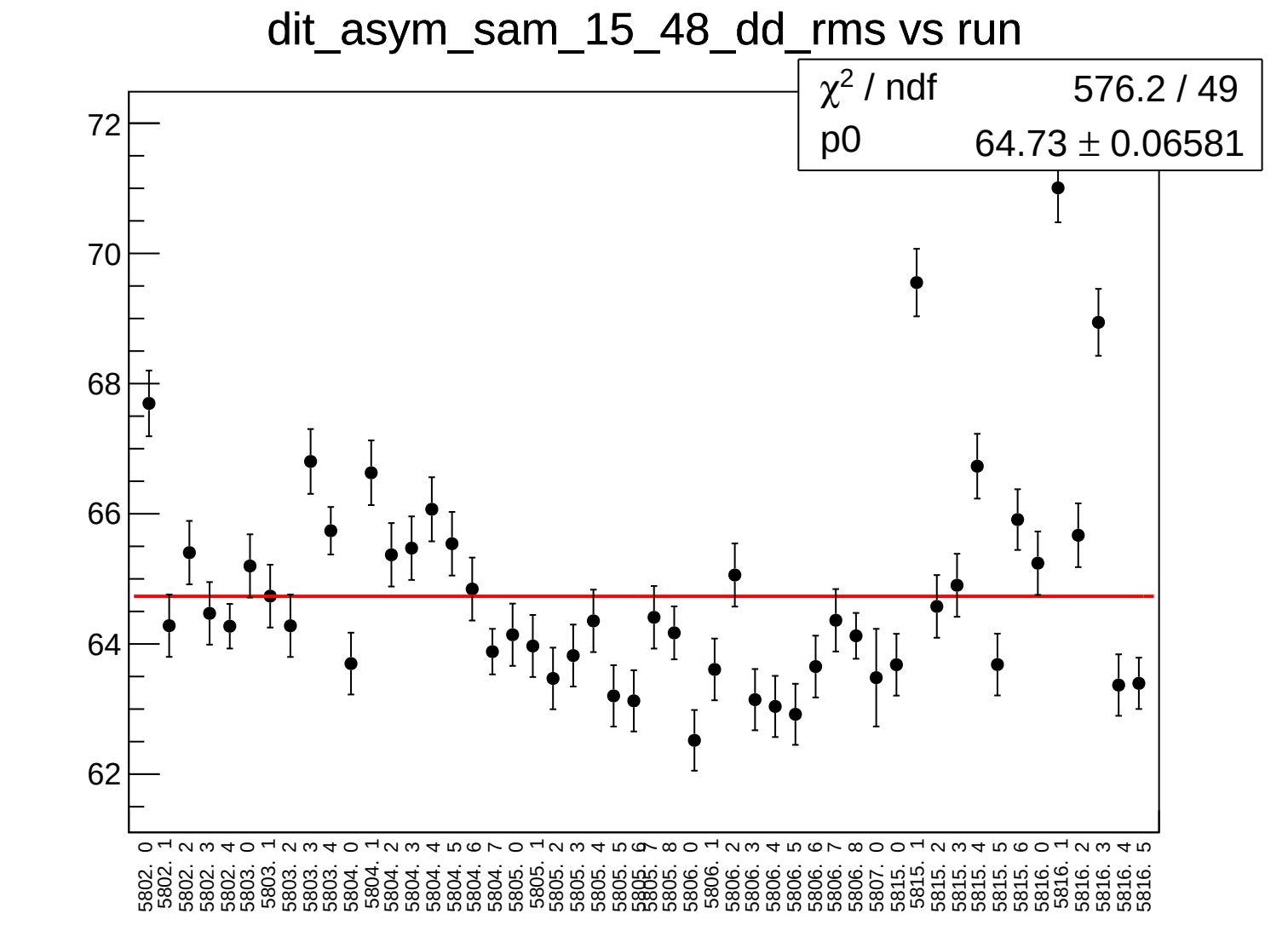

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

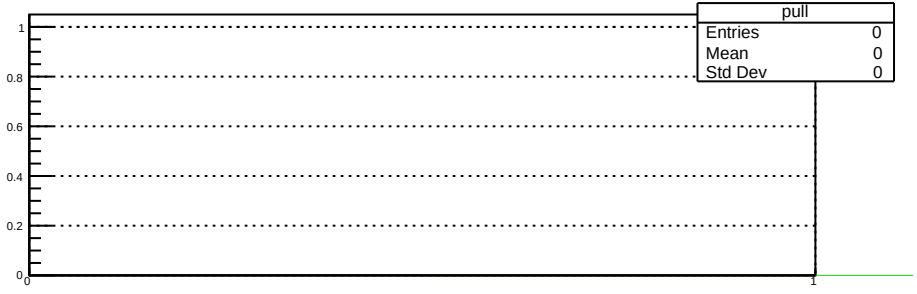

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

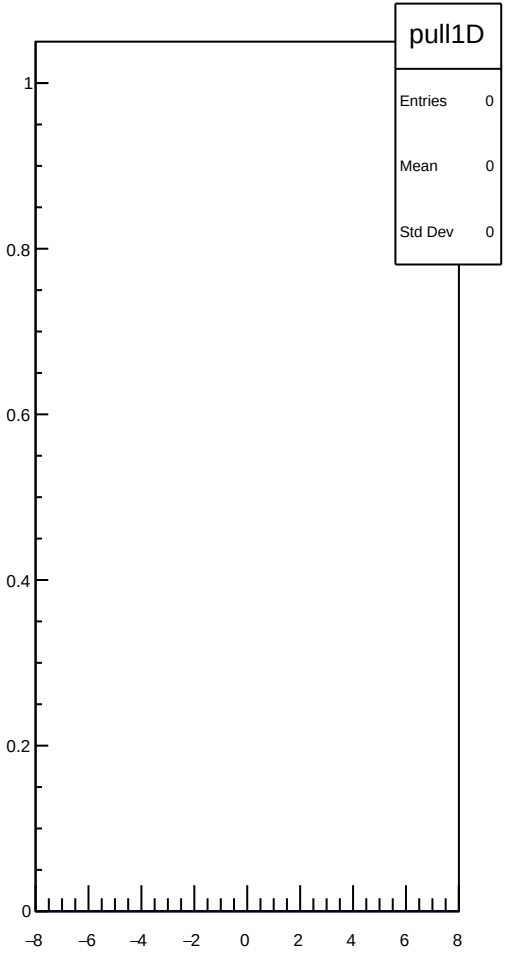

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

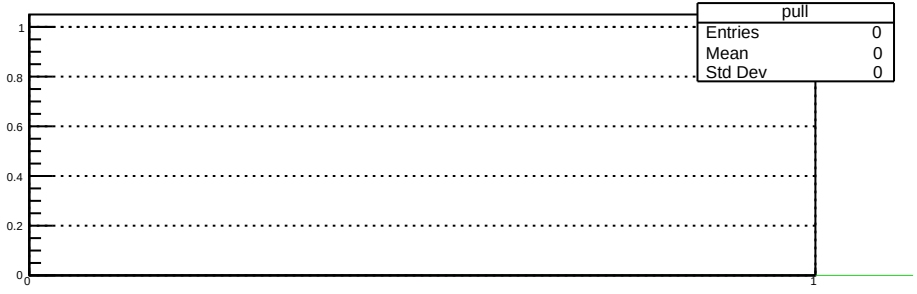

dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 41.91 / 49
p0 55.35 ± 93.07
pull
Entries 50
Mean −515.5
Std Dev 543.7

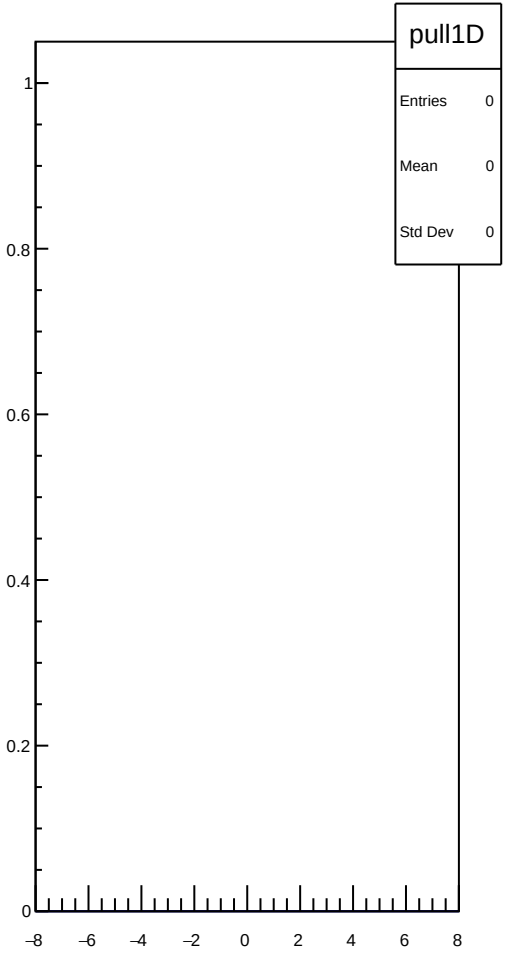

pull1D
Entries 50
Mean 0.003613
Std Dev 0.9155


dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 576.2 / 49
p0 64.73 ± 0.06581
72
70
68
66
64
62
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

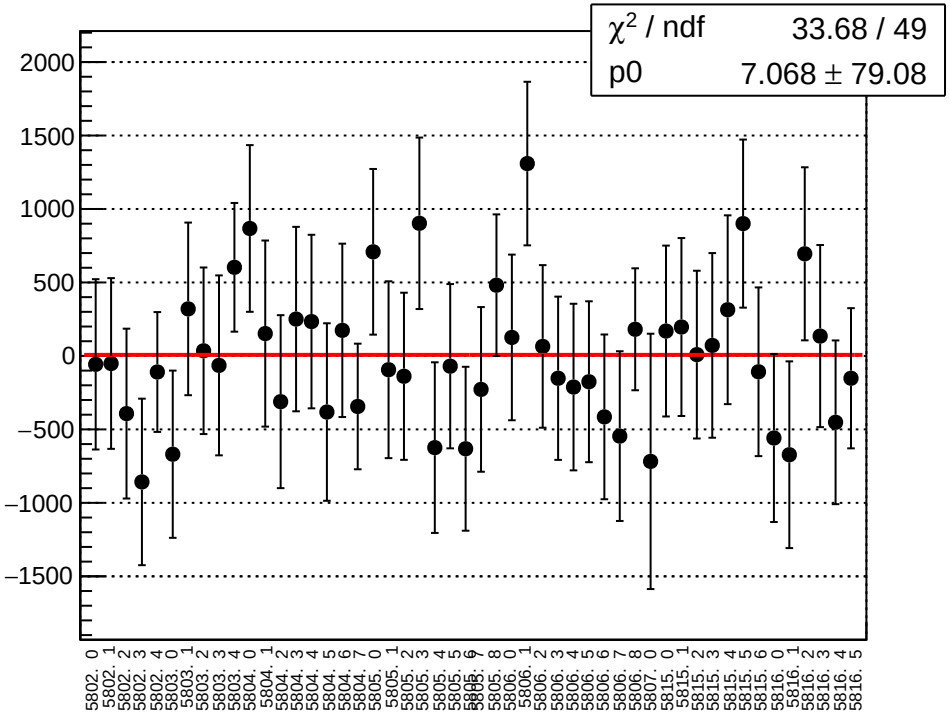

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

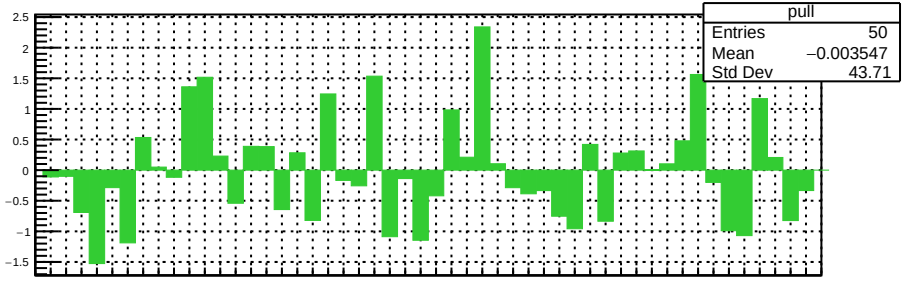

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

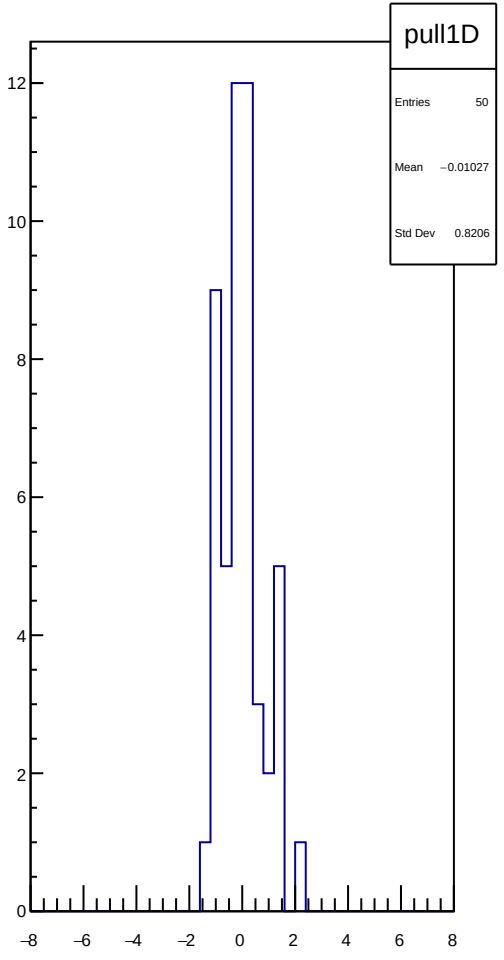

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

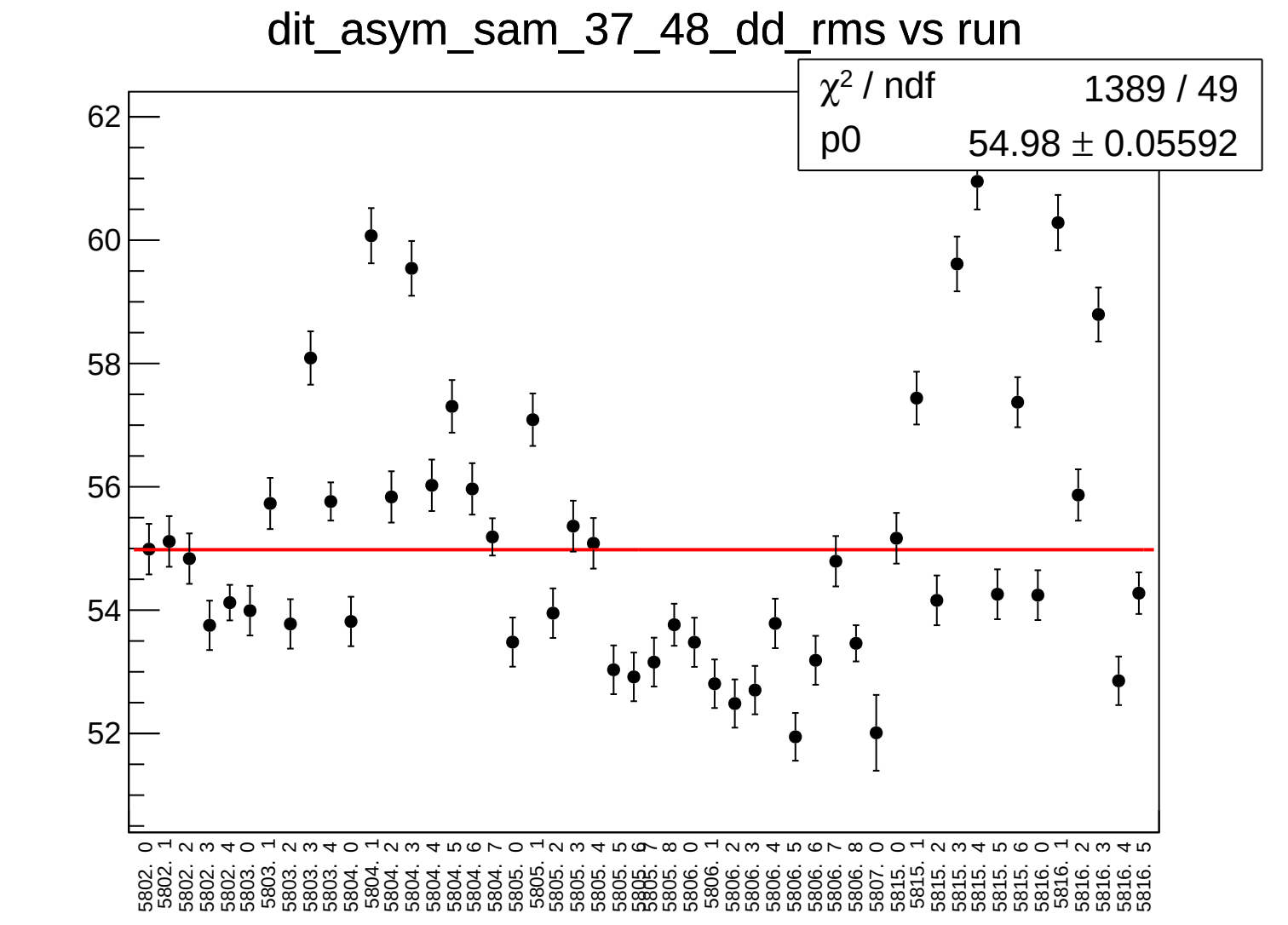

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

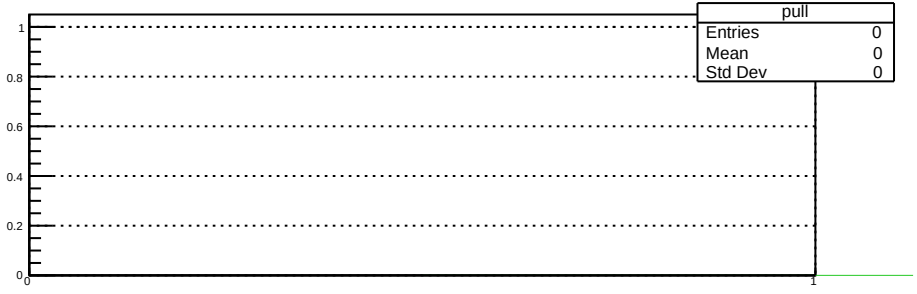
dit_asym_sam_37_48_dd_mean vs run

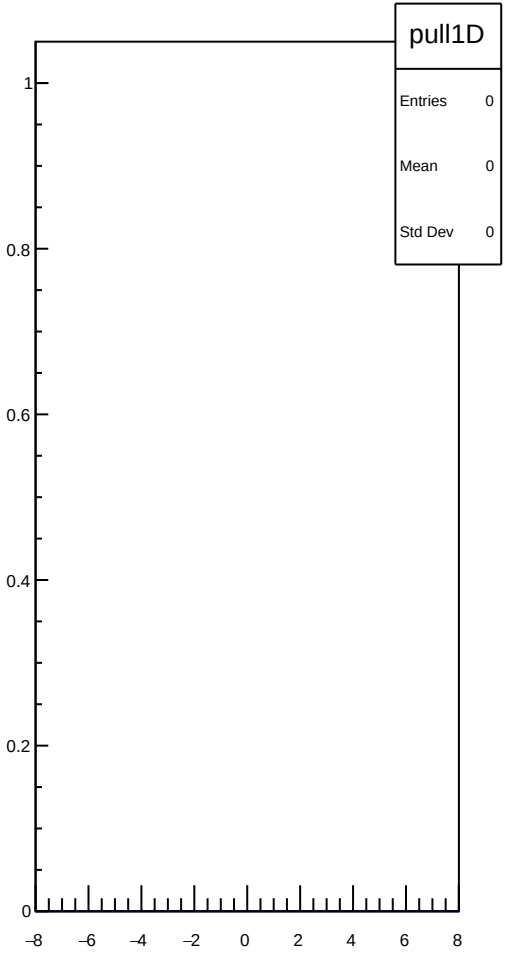


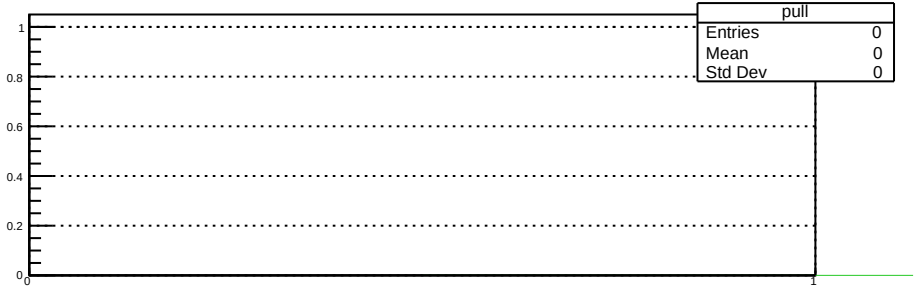


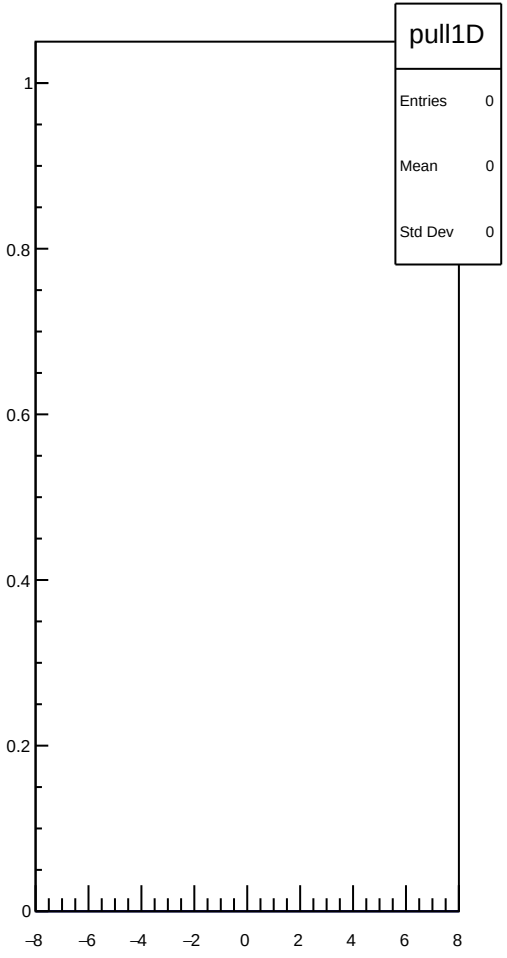


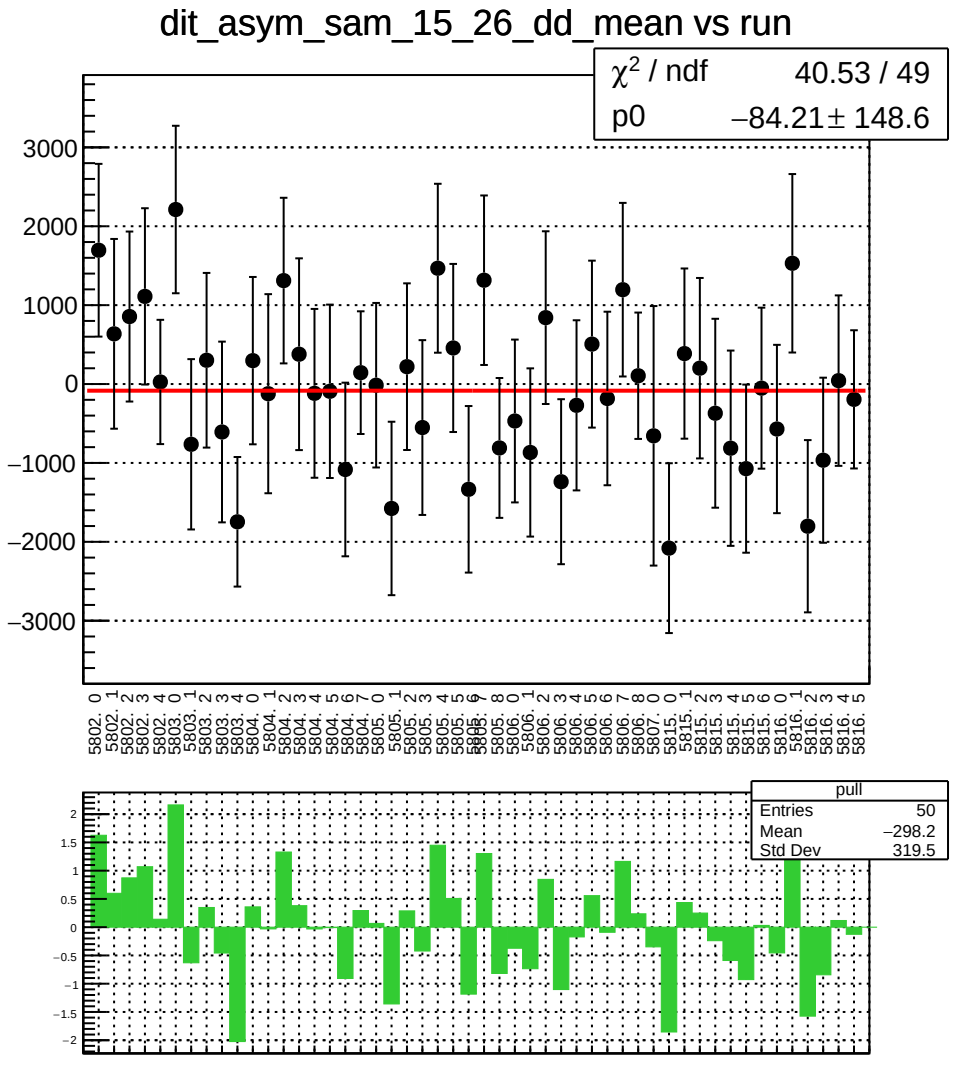

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1389 / 49
p0 54.98 ± 0.05592
62
60
58
56
54
52
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

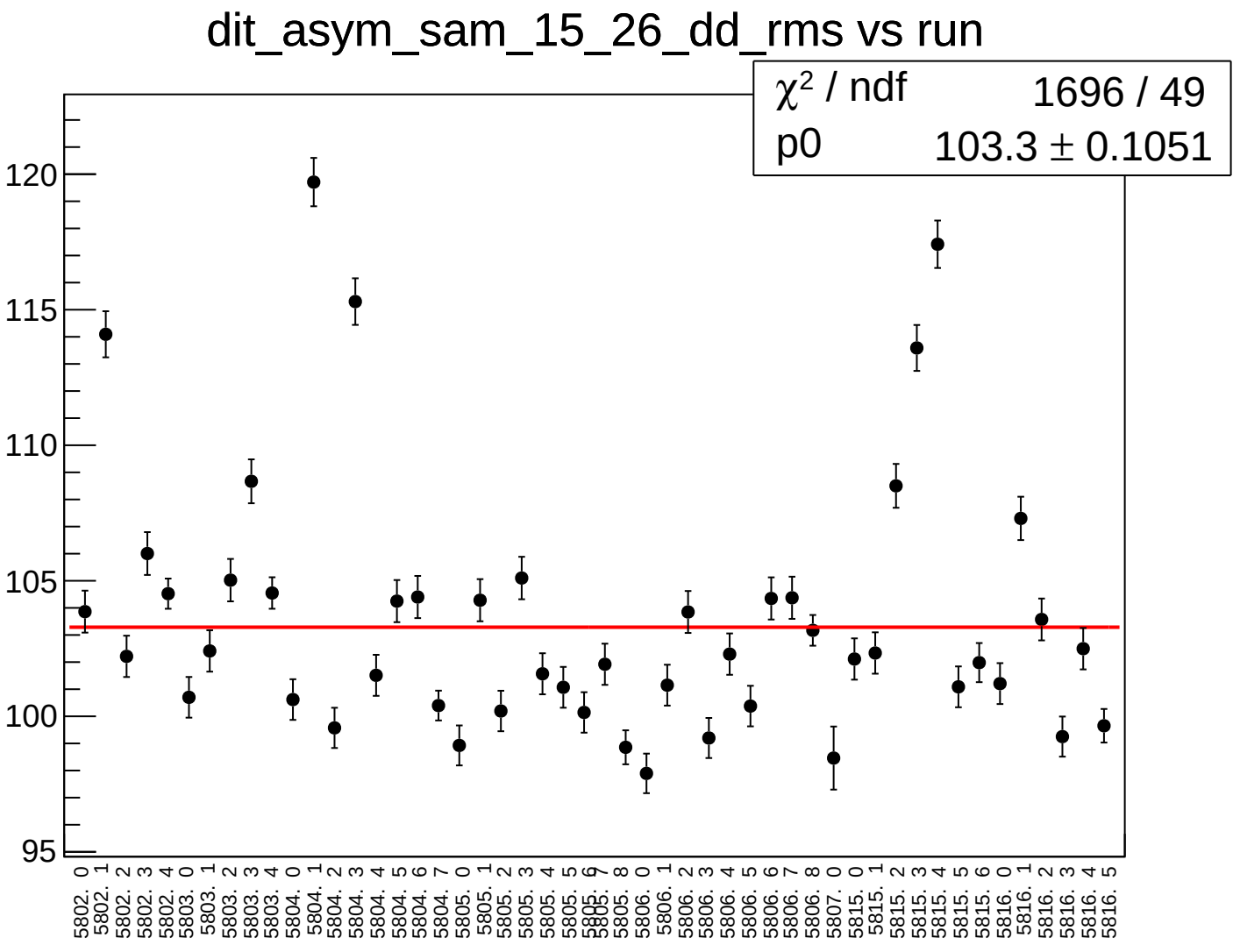

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

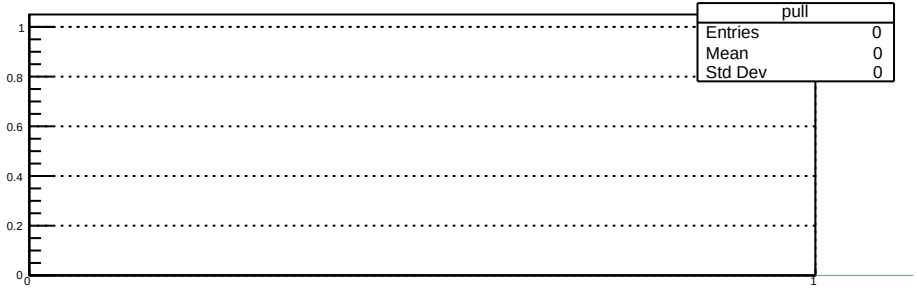

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

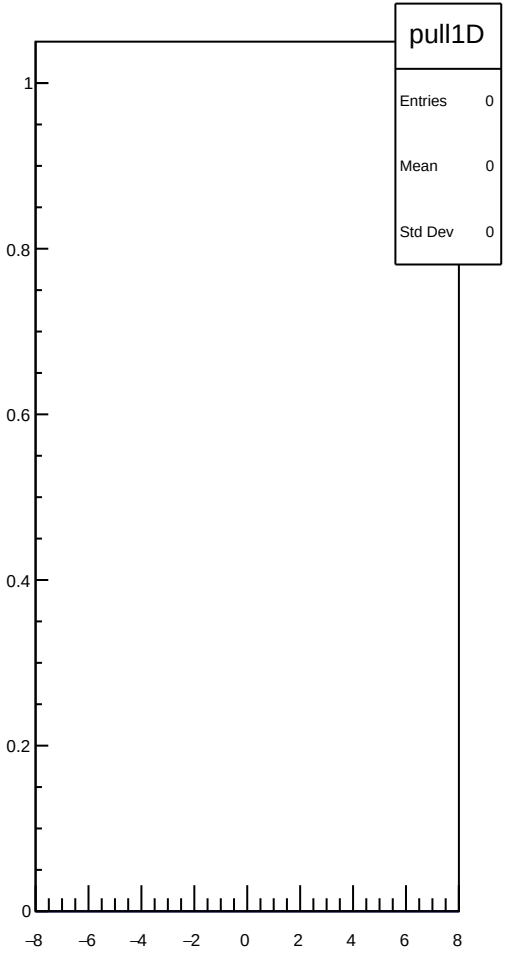

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

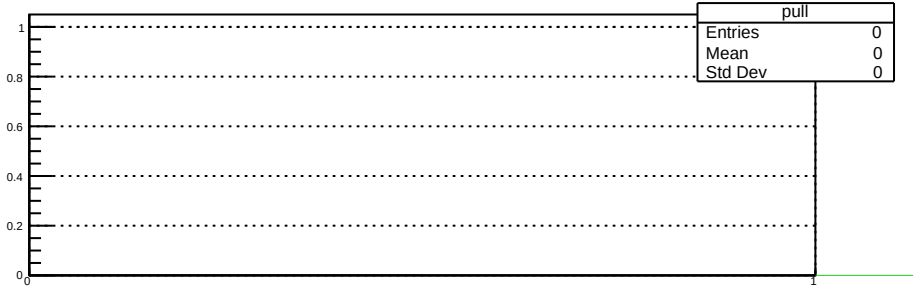

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

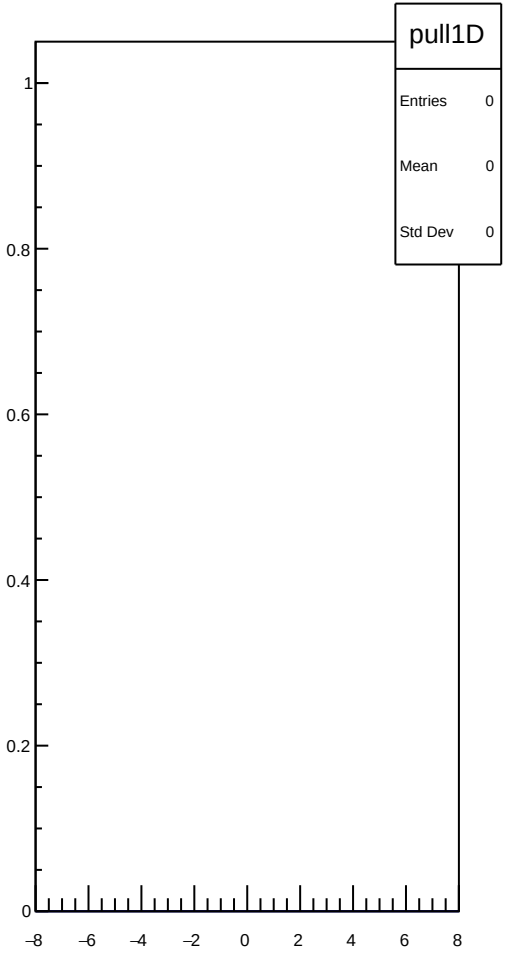

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 40.53 / 49
p0 −84.21 ± 148.6
3000
2000
1000
0
−1000
−2000
−3000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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
pull
Entries 50
Mean −298.2
Std Dev 319.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01136
Std Dev 0.9003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

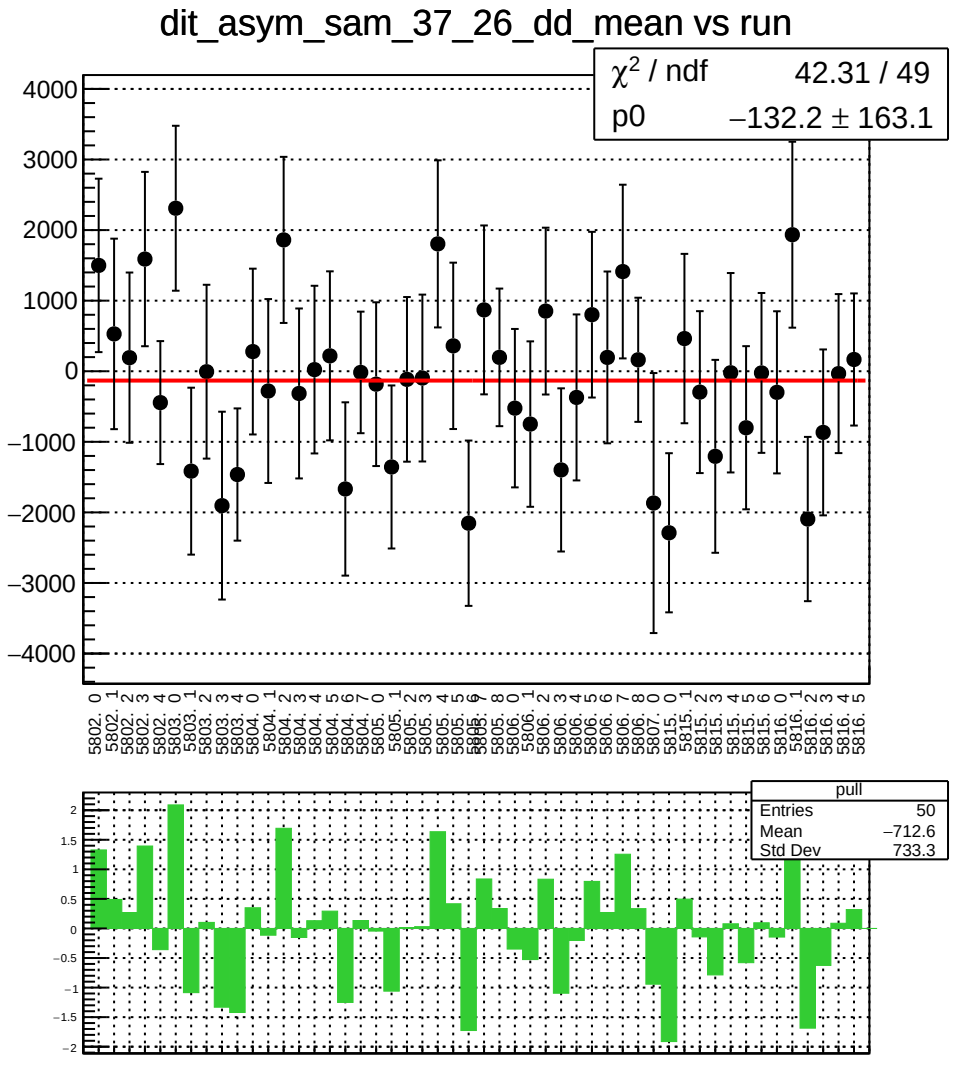

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1696 / 49
p0 103.3 ± 0.1051
120
115
110
105
100
95
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

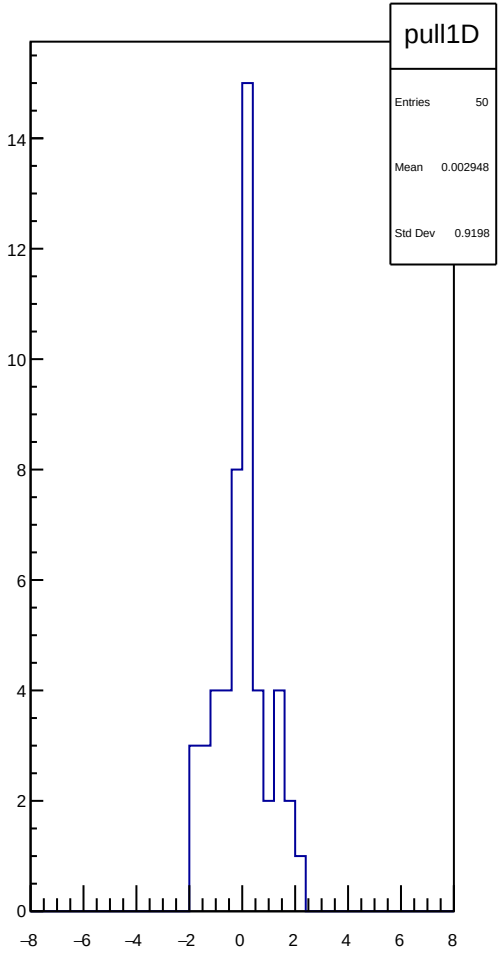

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

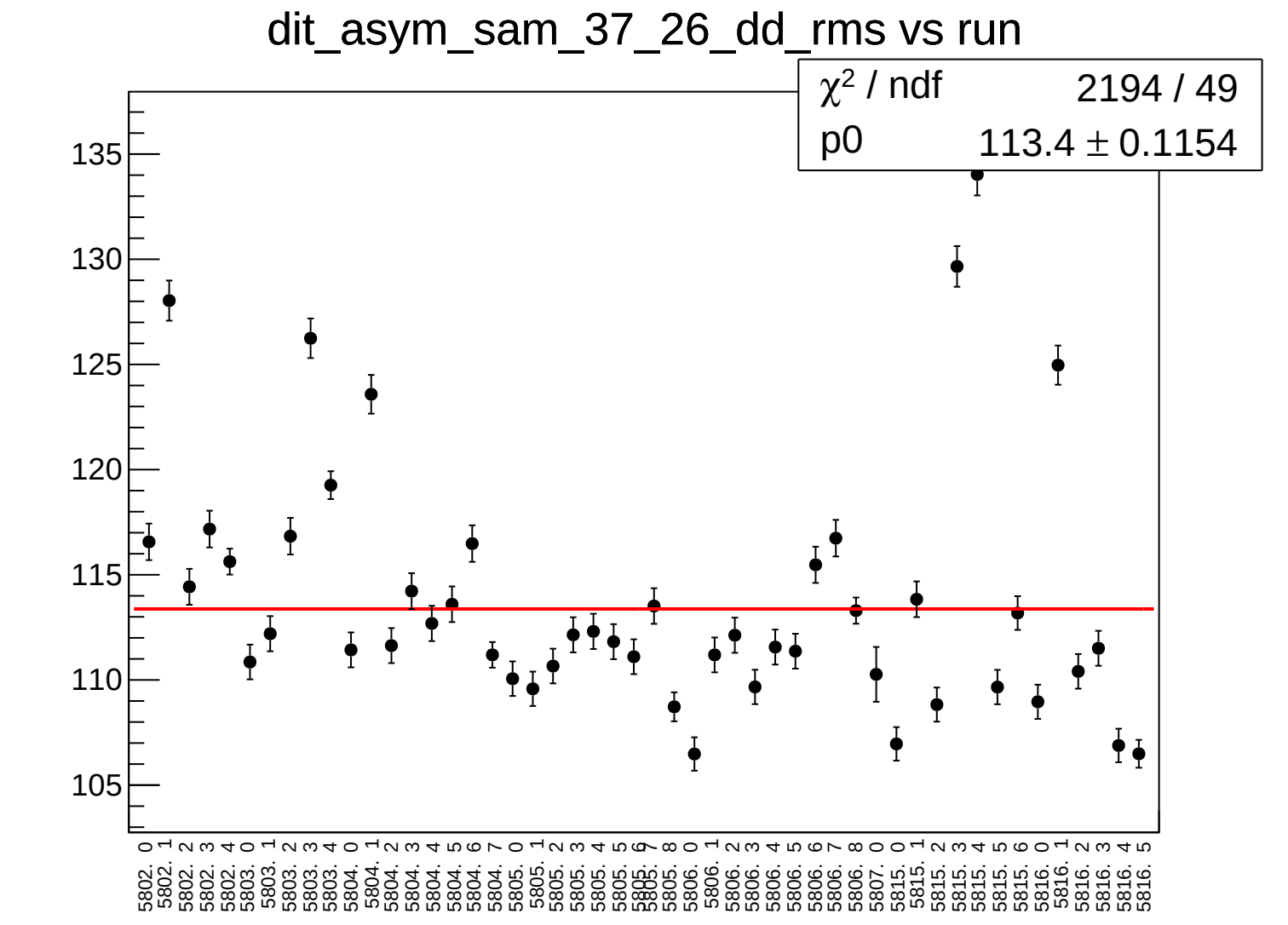

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

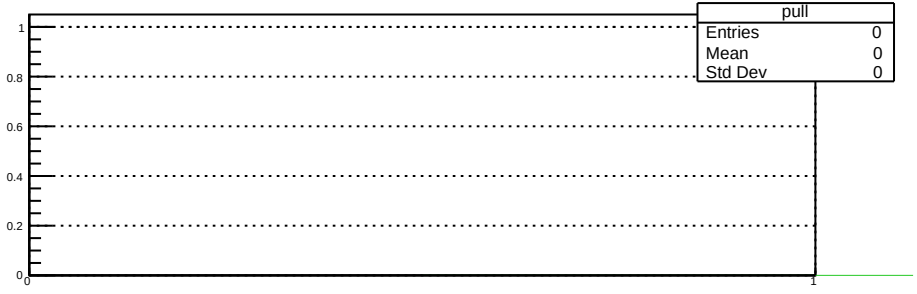

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

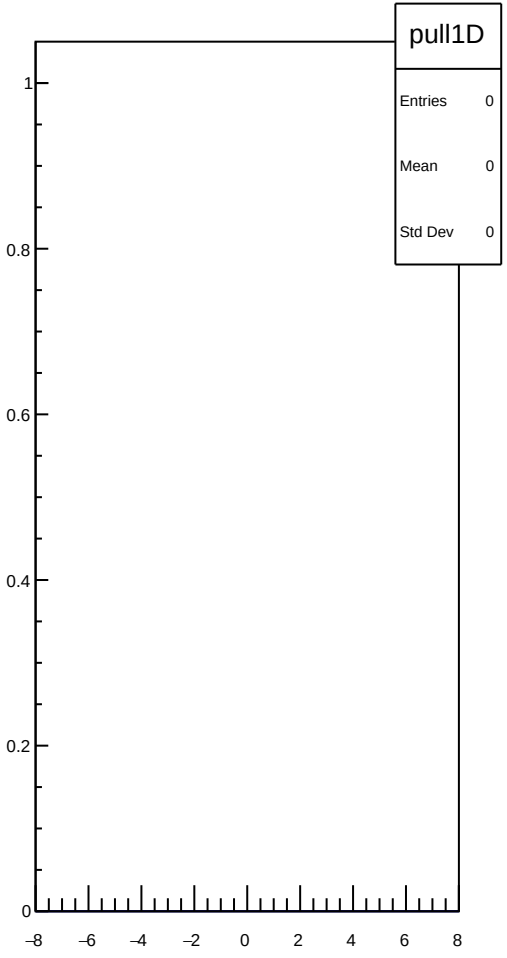

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

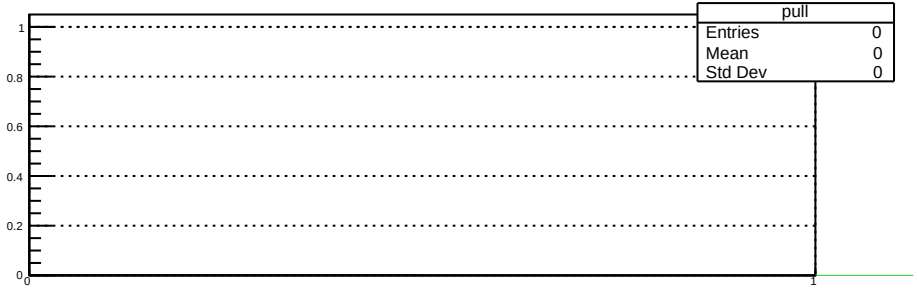

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 42.31 / 49
p0 −132.2 ± 163.1
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
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 −712.6
Std Dev 733.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

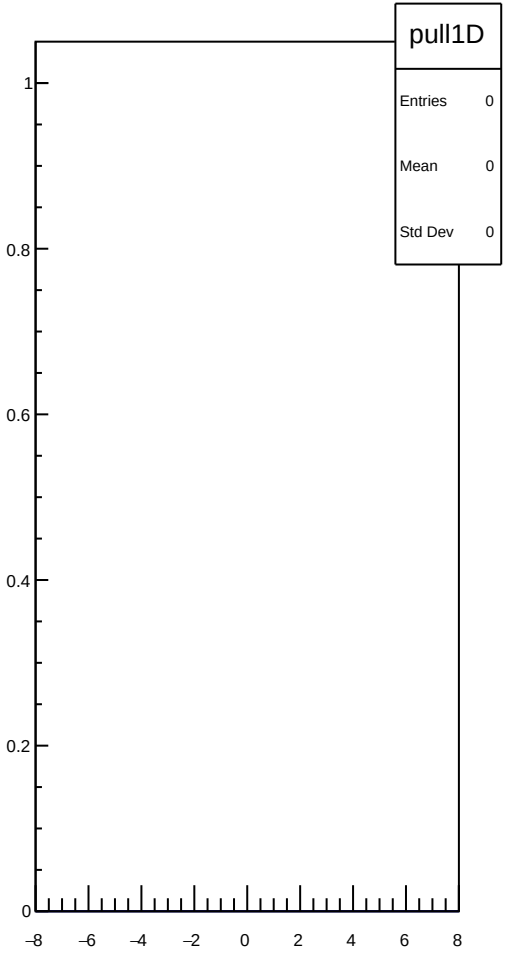

pull1D
Entries 50
Mean 0.002948
Std Dev 0.9198
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

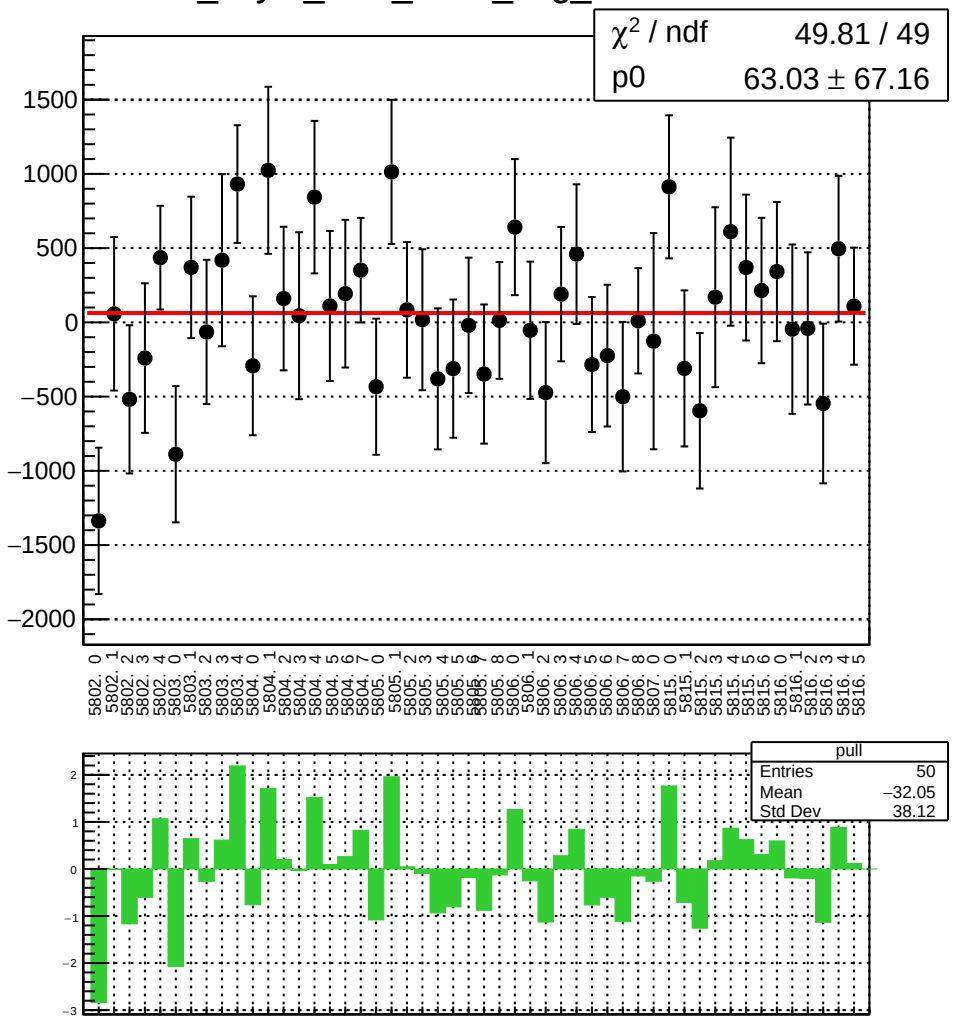

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2194 / 49
p0 113.4 ± 0.1154
135
130
125
120
115
110
105
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

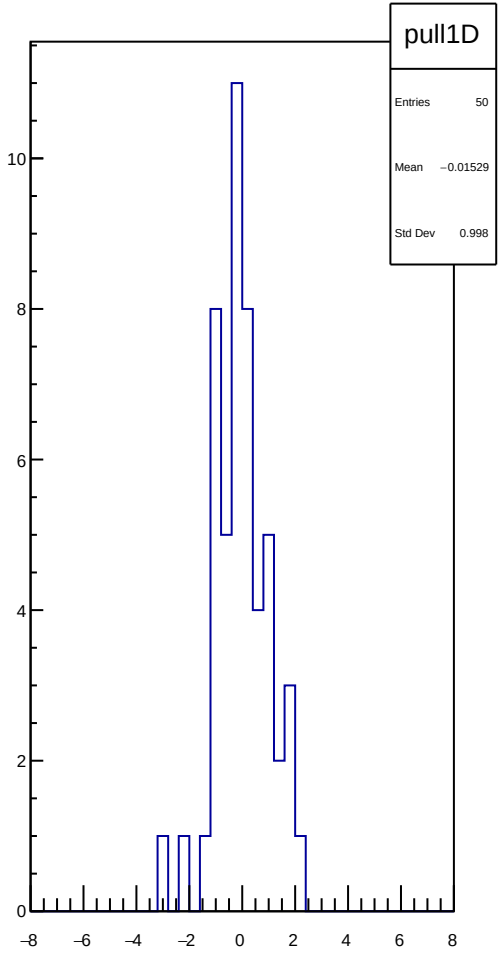

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

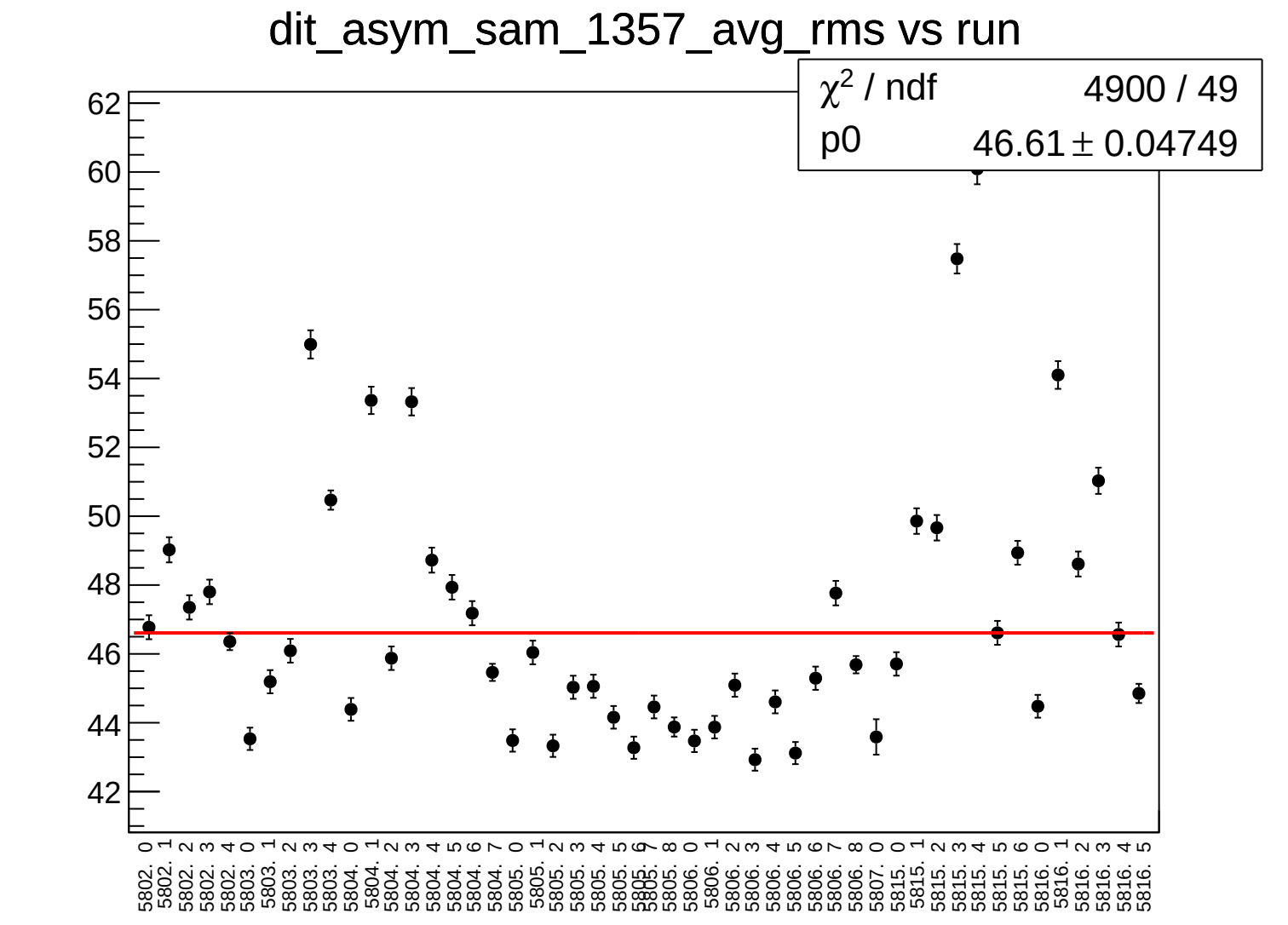

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

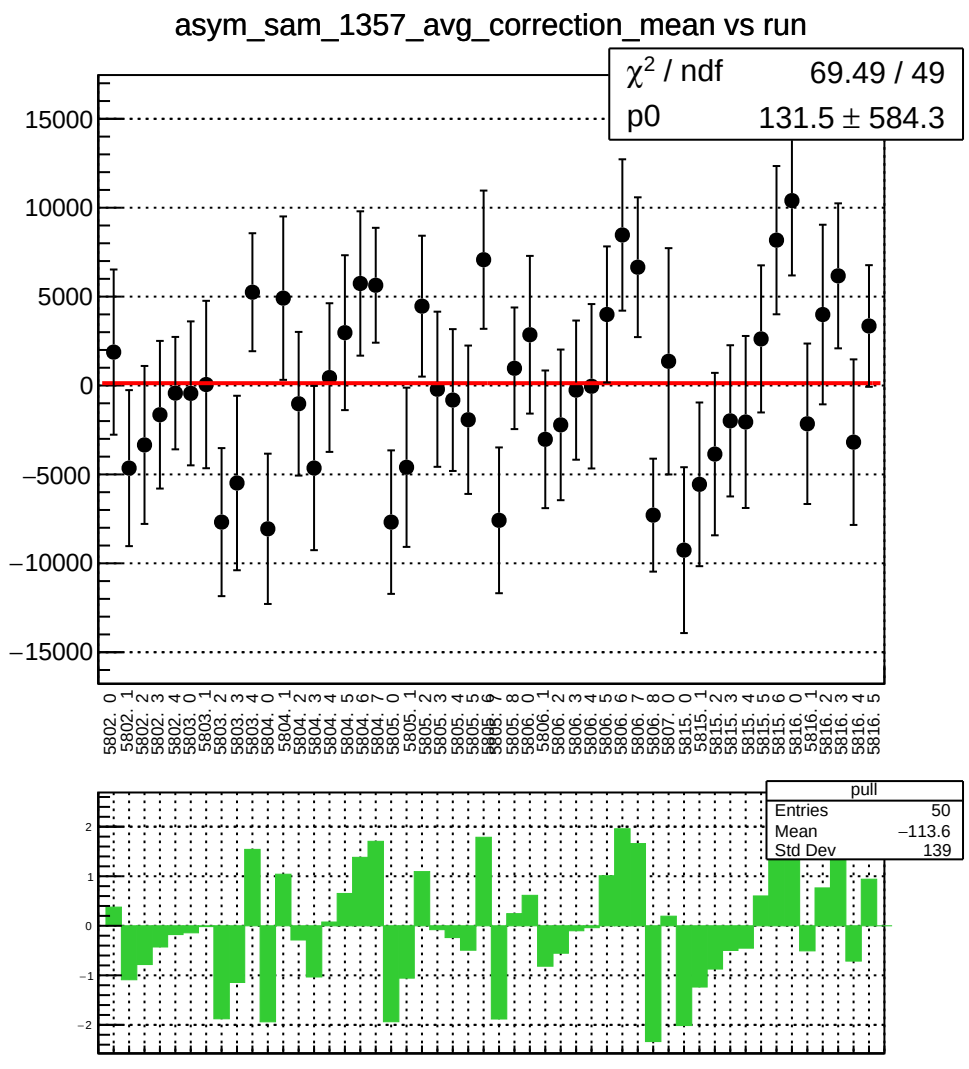

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

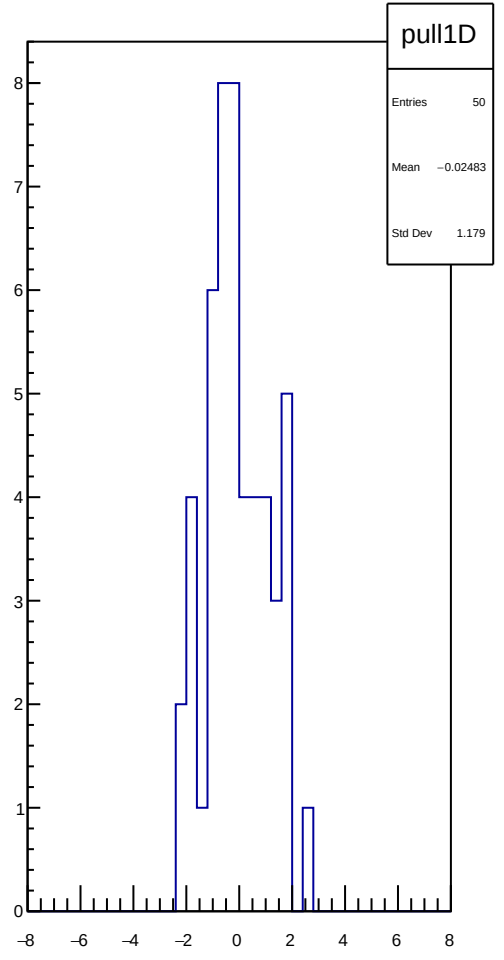

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

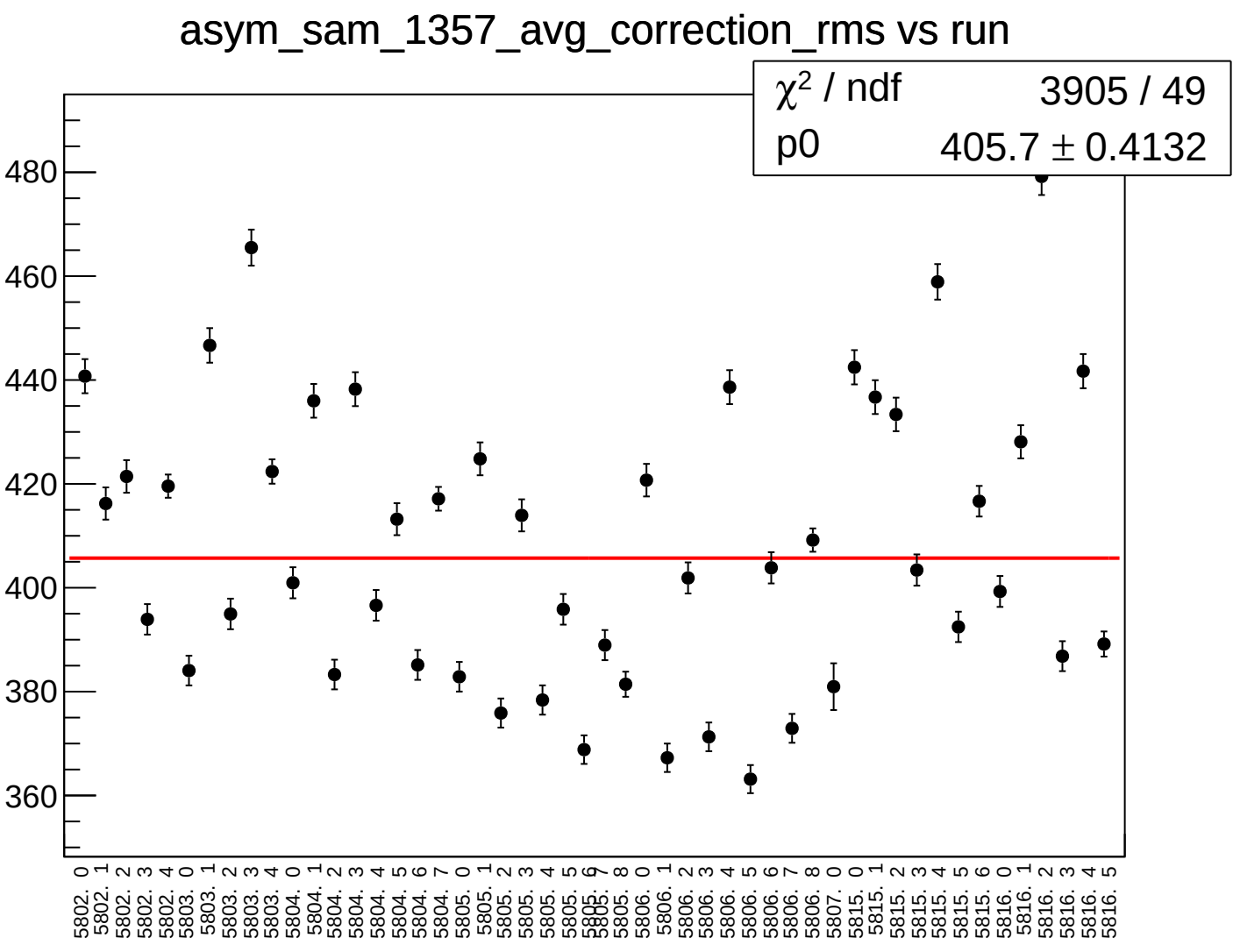

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 49.81 / 49
p0 63.03 ± 67.16
pull
Entries 50
Mean −32.05
Std Dev 38.12

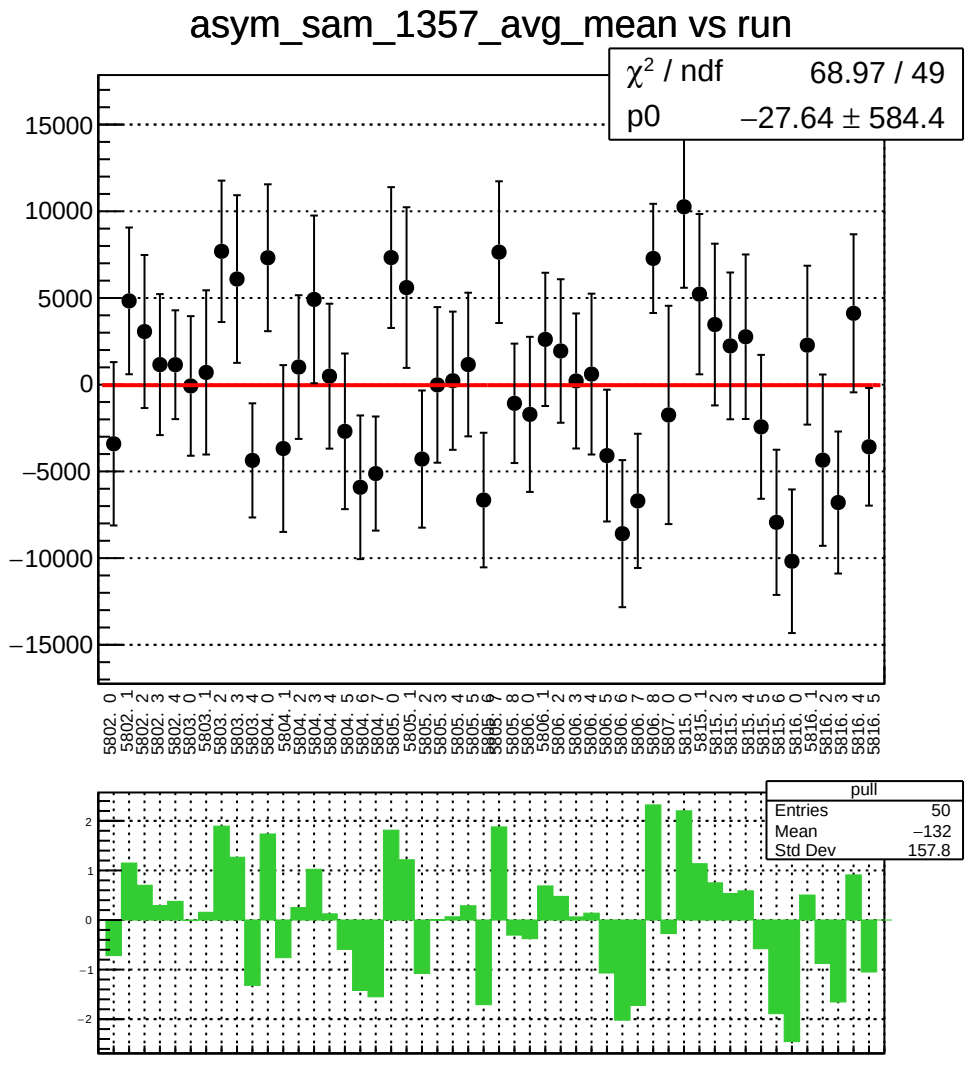

pull1D
Entries 50
Mean −0.01529
Std Dev 0.998

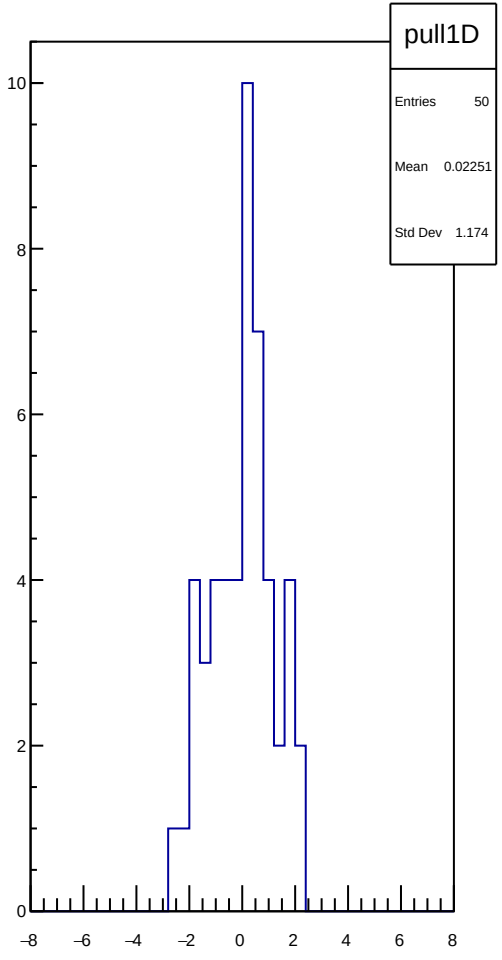

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 4900 / 49
p0 46.61 ± 0.04749
62
60
58
56
54
52
50
48
46
44
42
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

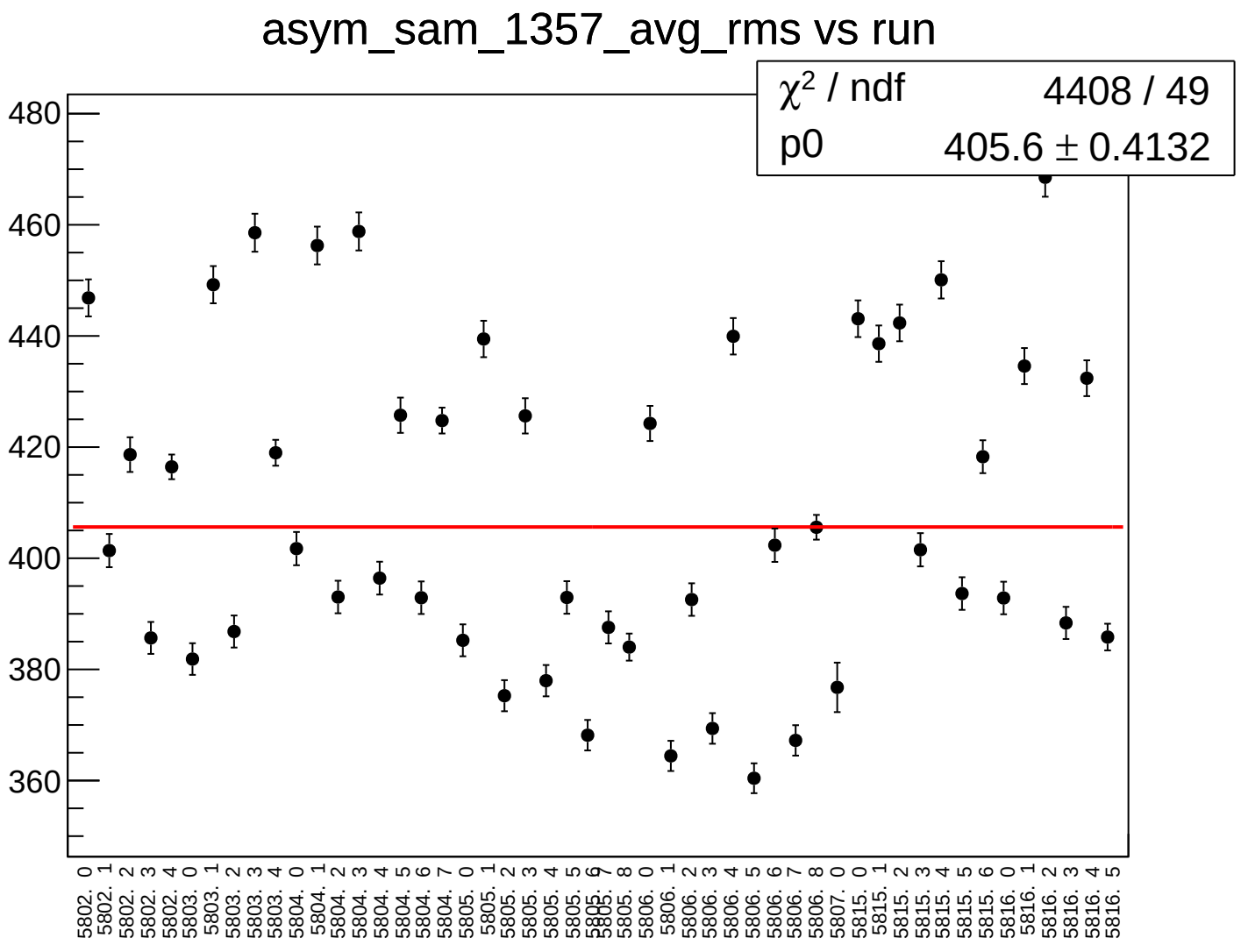

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 69.49 / 49
p0 131.5 ± 584.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −113.6
Std Dev 139
2
1
0
−1
−2

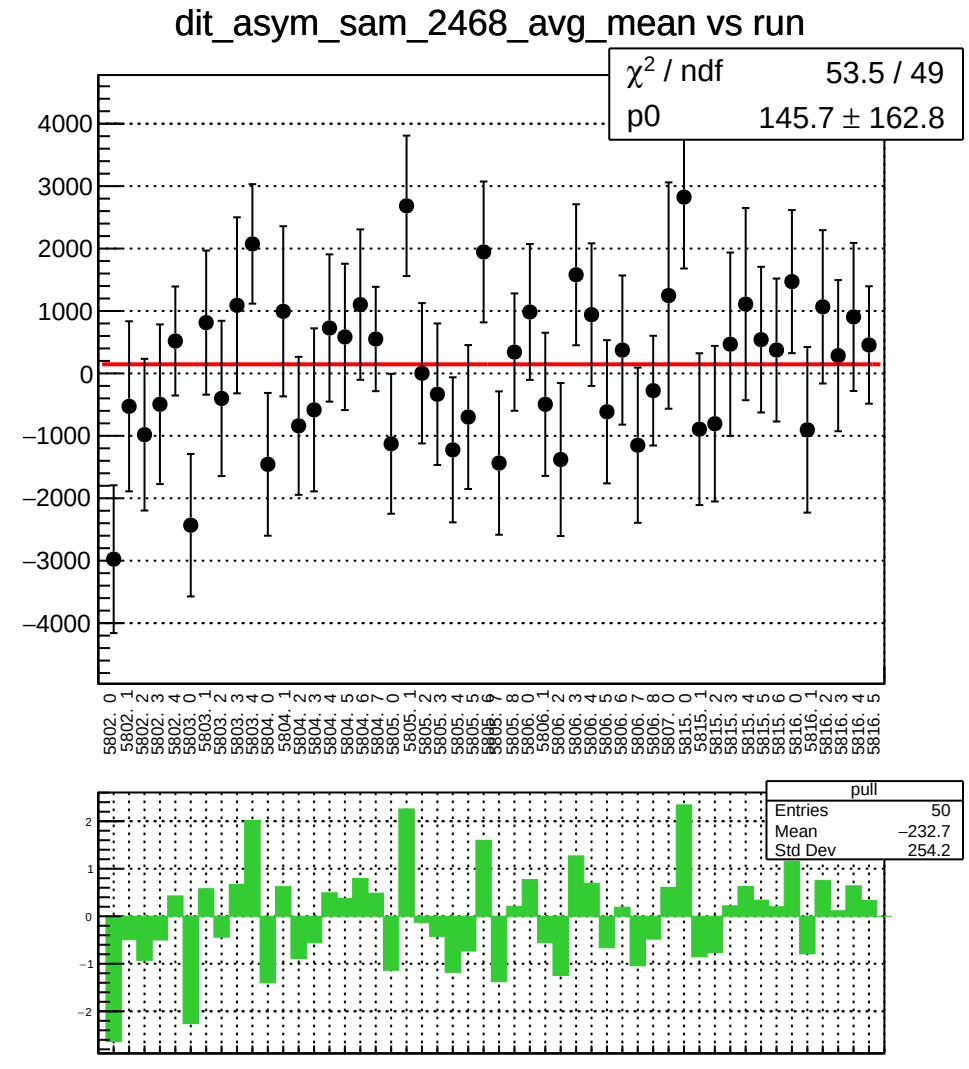

pull1D
Entries 50
Mean −0.02483
Std Dev 1.179
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

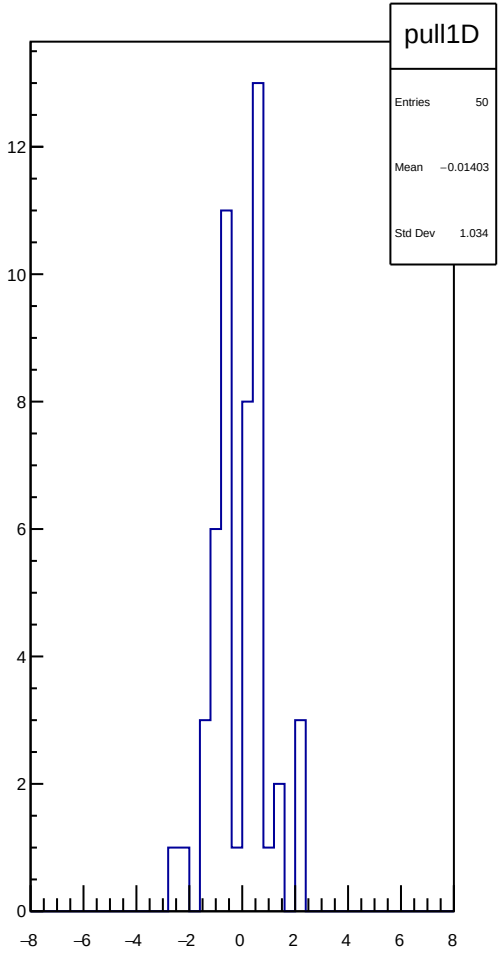

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3905 / 49
p0 405.7 ± 0.4132
480
460
440
420
400
380
360
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

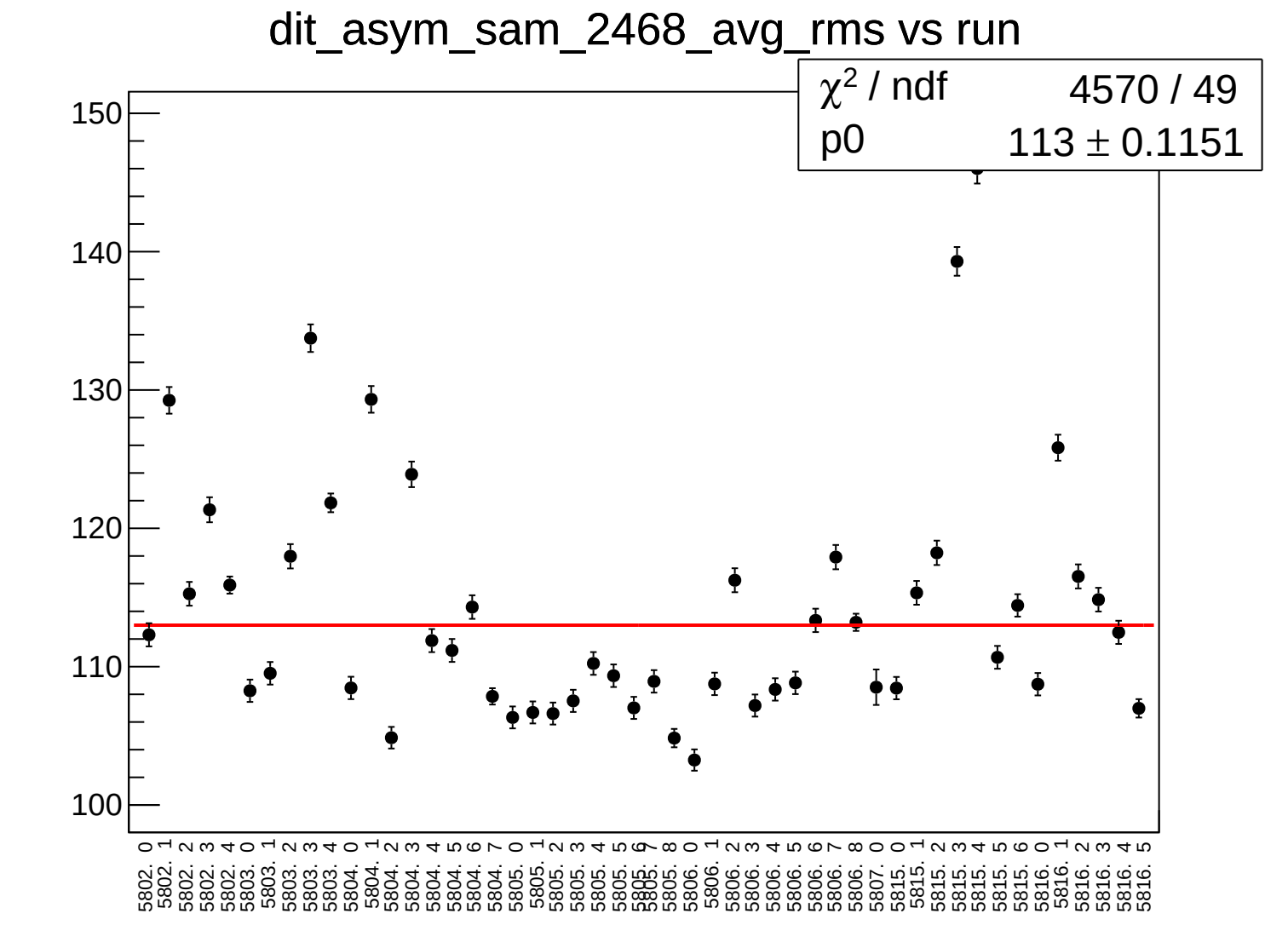

asym_sam_1357_avg_mean vs run
χ² / ndf 68.97 / 49
p0 −27.64 ± 584.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −132
Std Dev 157.8
2
1
0
−1
−2

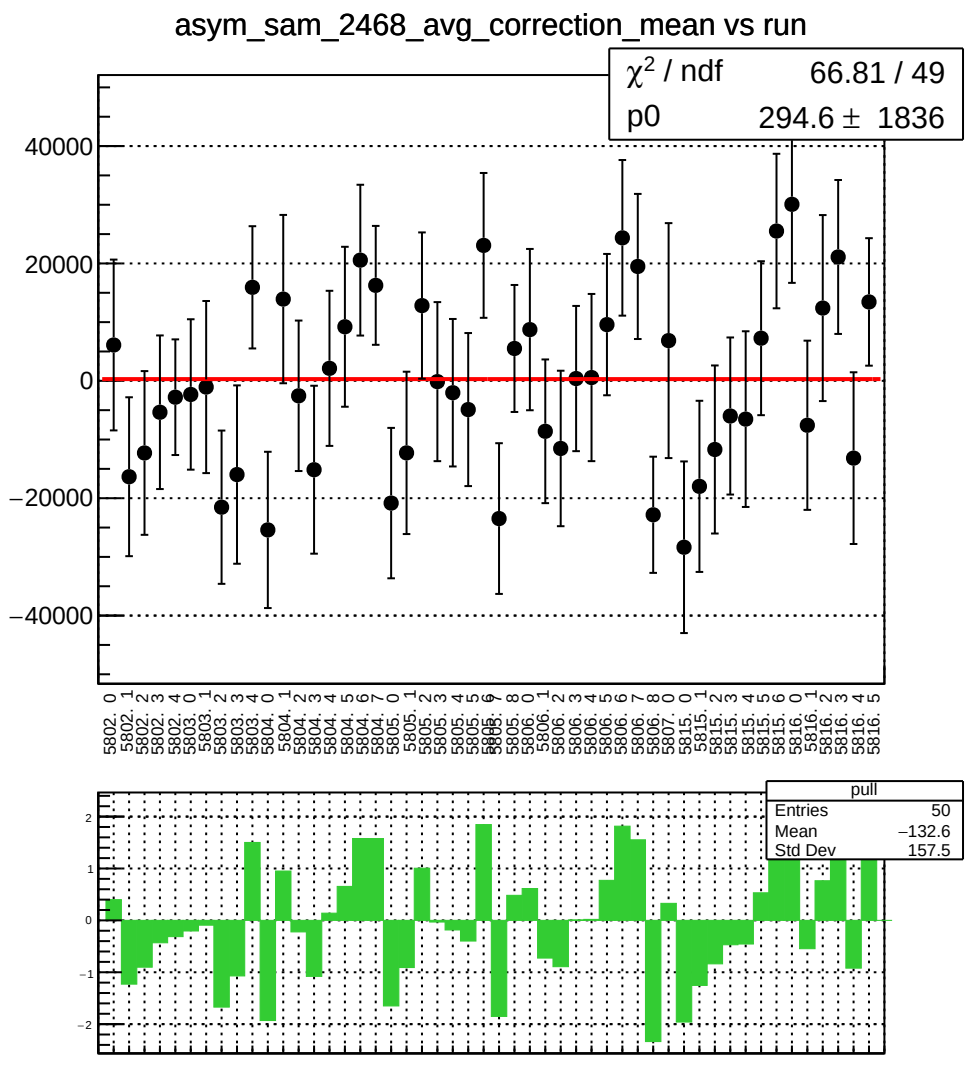

pull1D
Entries 50
Mean 0.02251
Std Dev 1.174
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

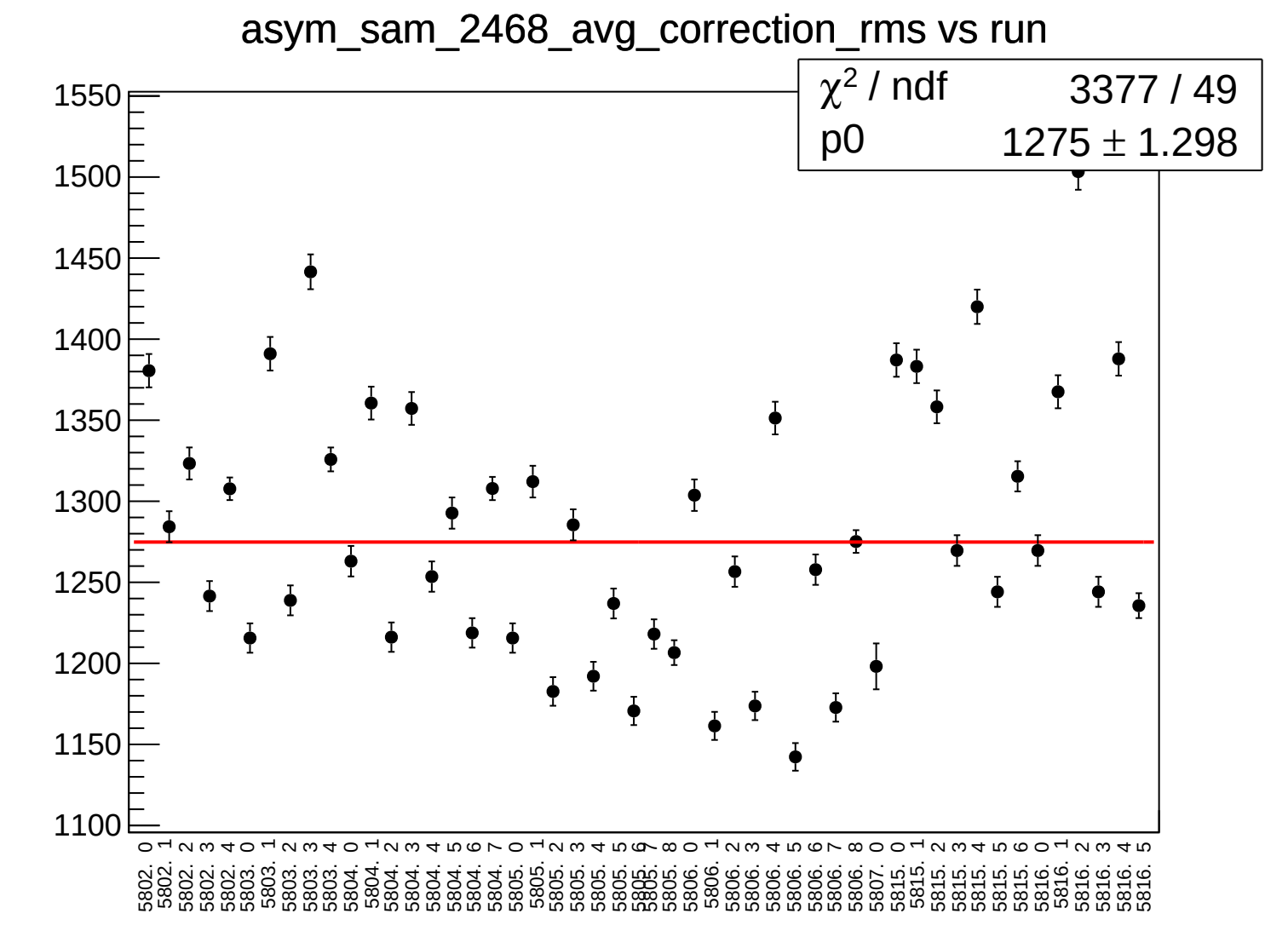

asym_sam_1357_avg_rms vs run
χ² / ndf 4408 / 49
p0 405.6 ± 0.4132
480
460
440
420
400
380
360
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

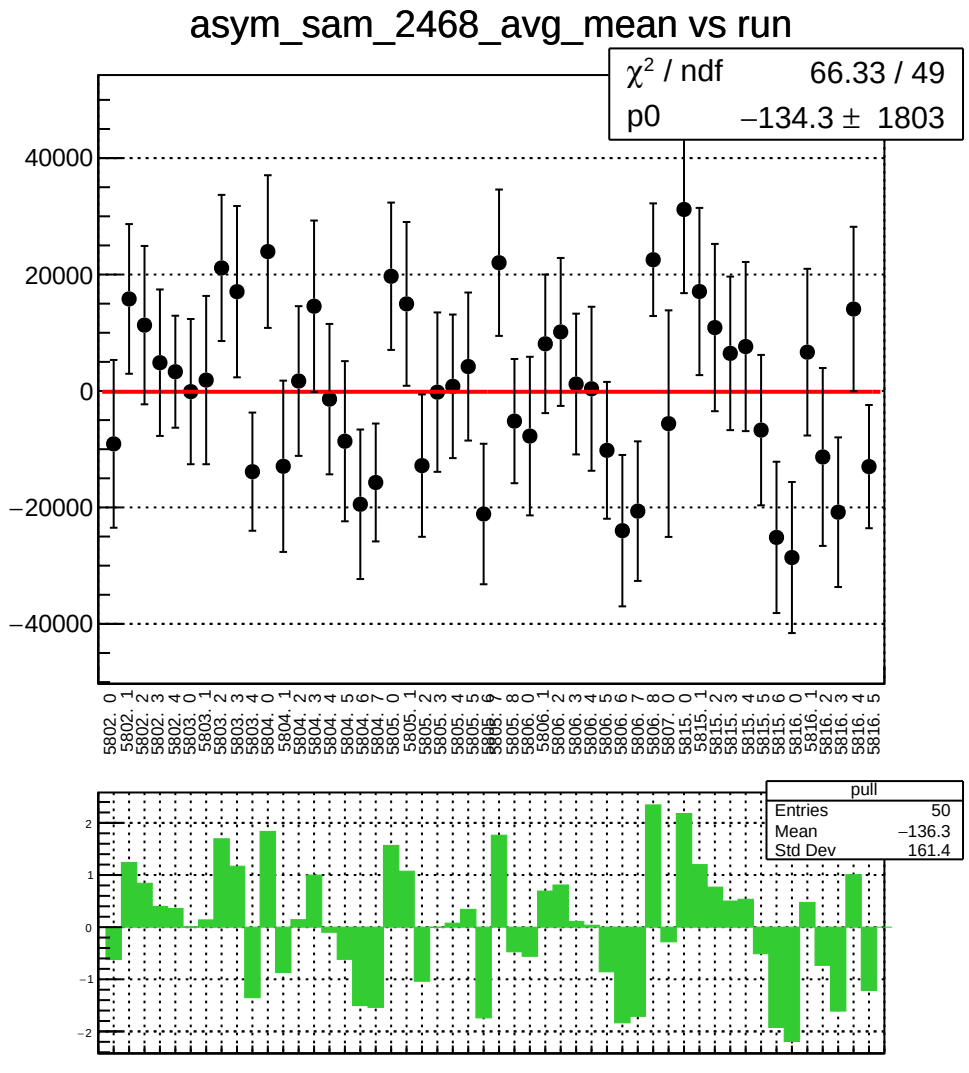

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 53.5 / 49
p0 145.7 ± 162.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 50
Mean −232.7
Std Dev 254.2
2
1
0
−1
−2

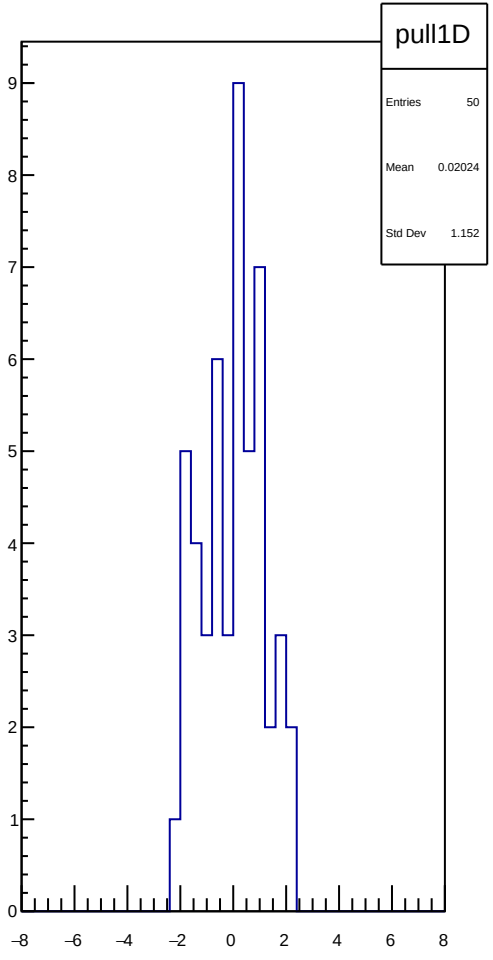

pull1D
Entries 50
Mean −0.01403
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

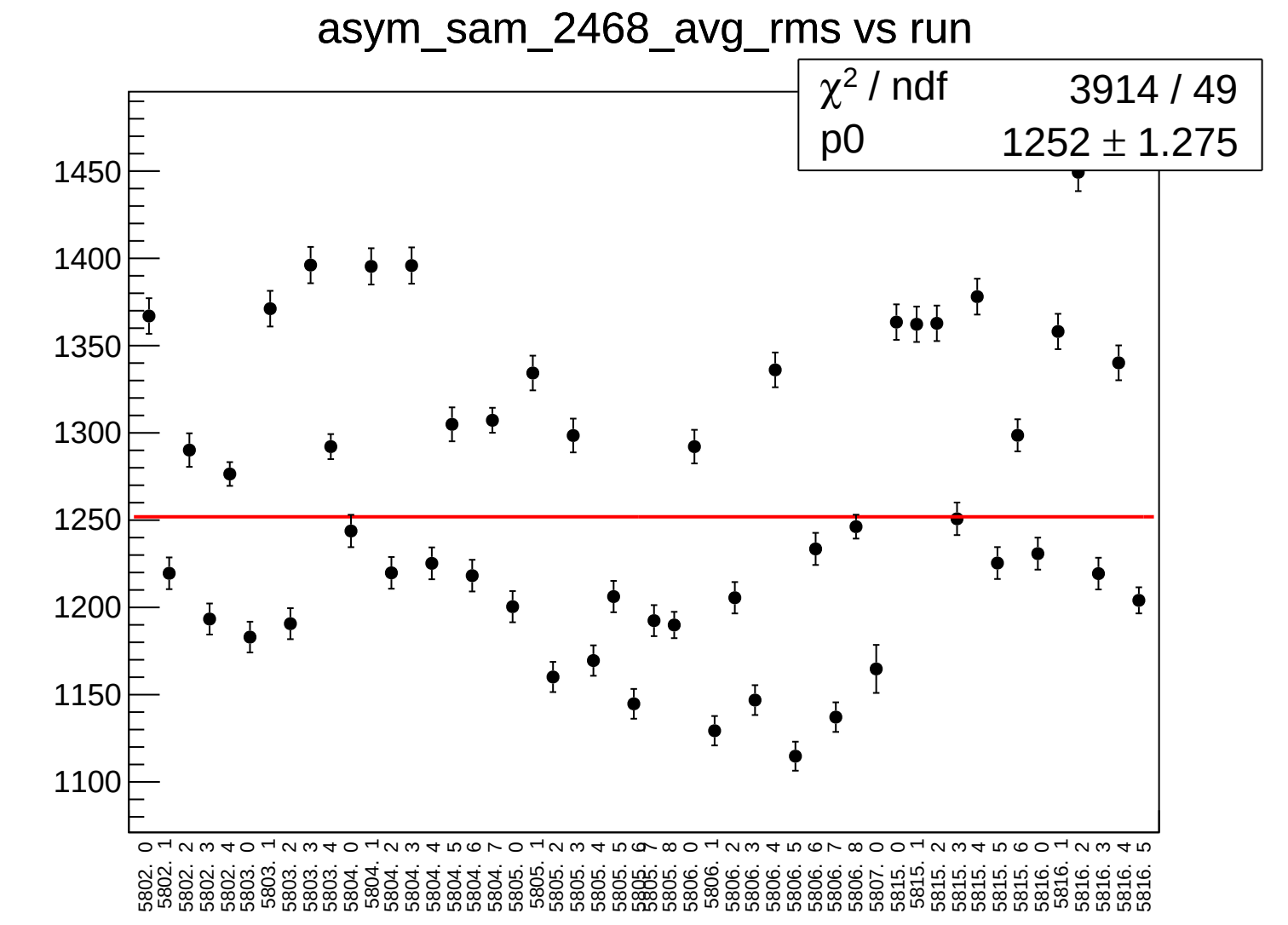

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4570 / 49
p0 113 ± 0.1151
150
140
130
120
110
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

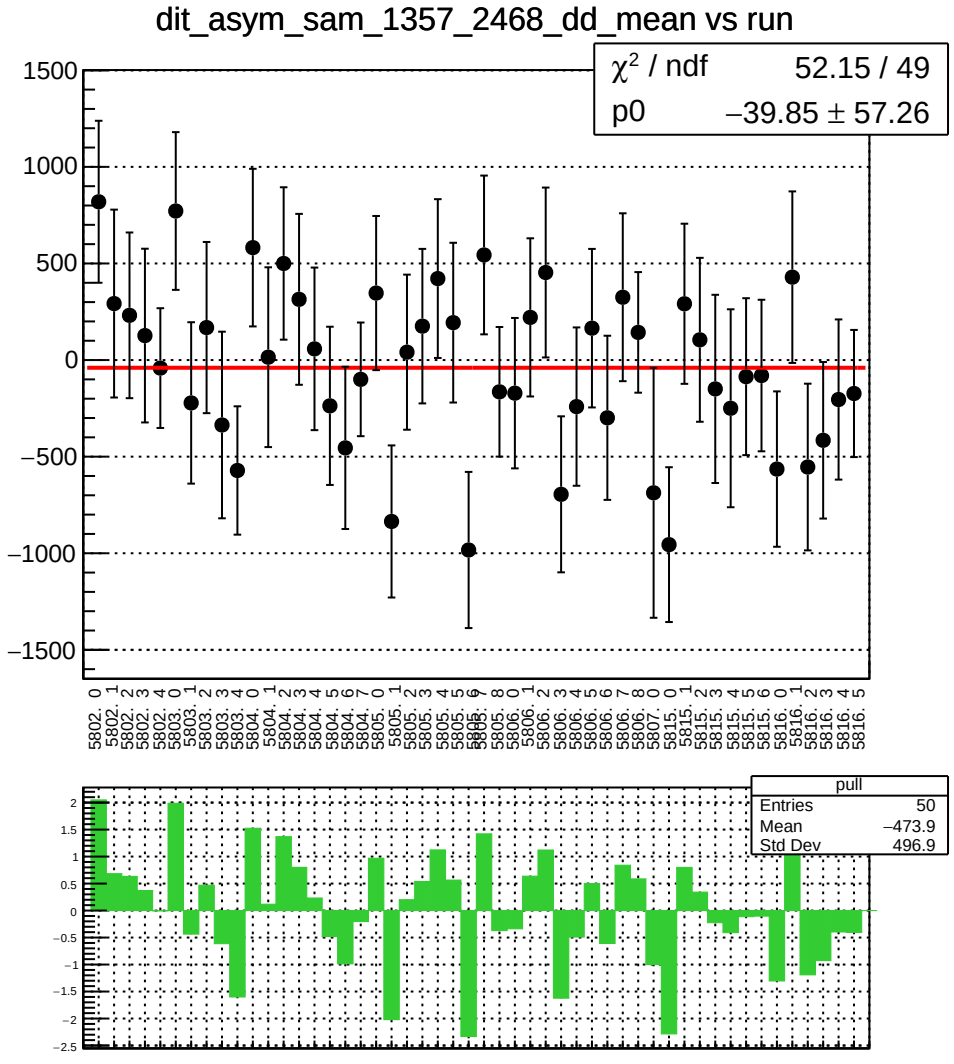

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 66.81 / 49
p0 294.6 ± 1836
40000
20000
0
−20000
−40000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 −132.6
Std Dev 157.5
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.02185
Std Dev 1.156
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

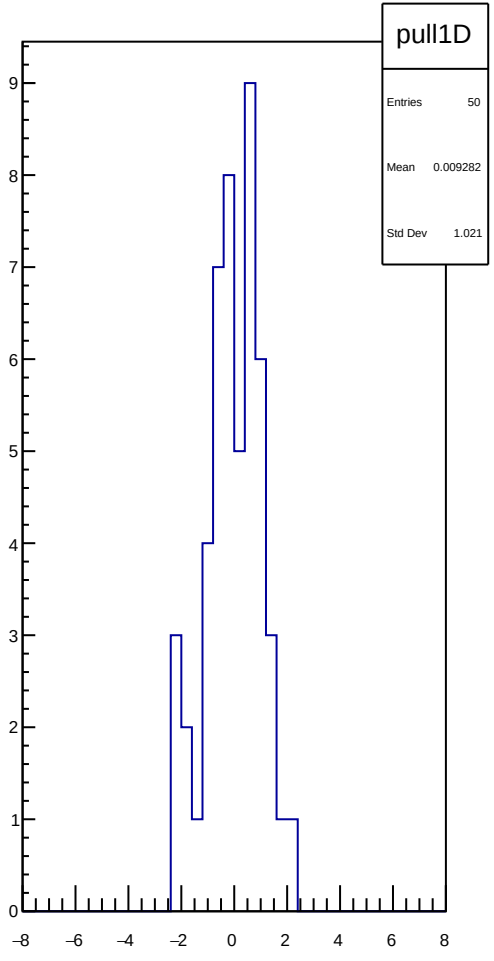

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3377 / 49
p0 1275 ± 1.298
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
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

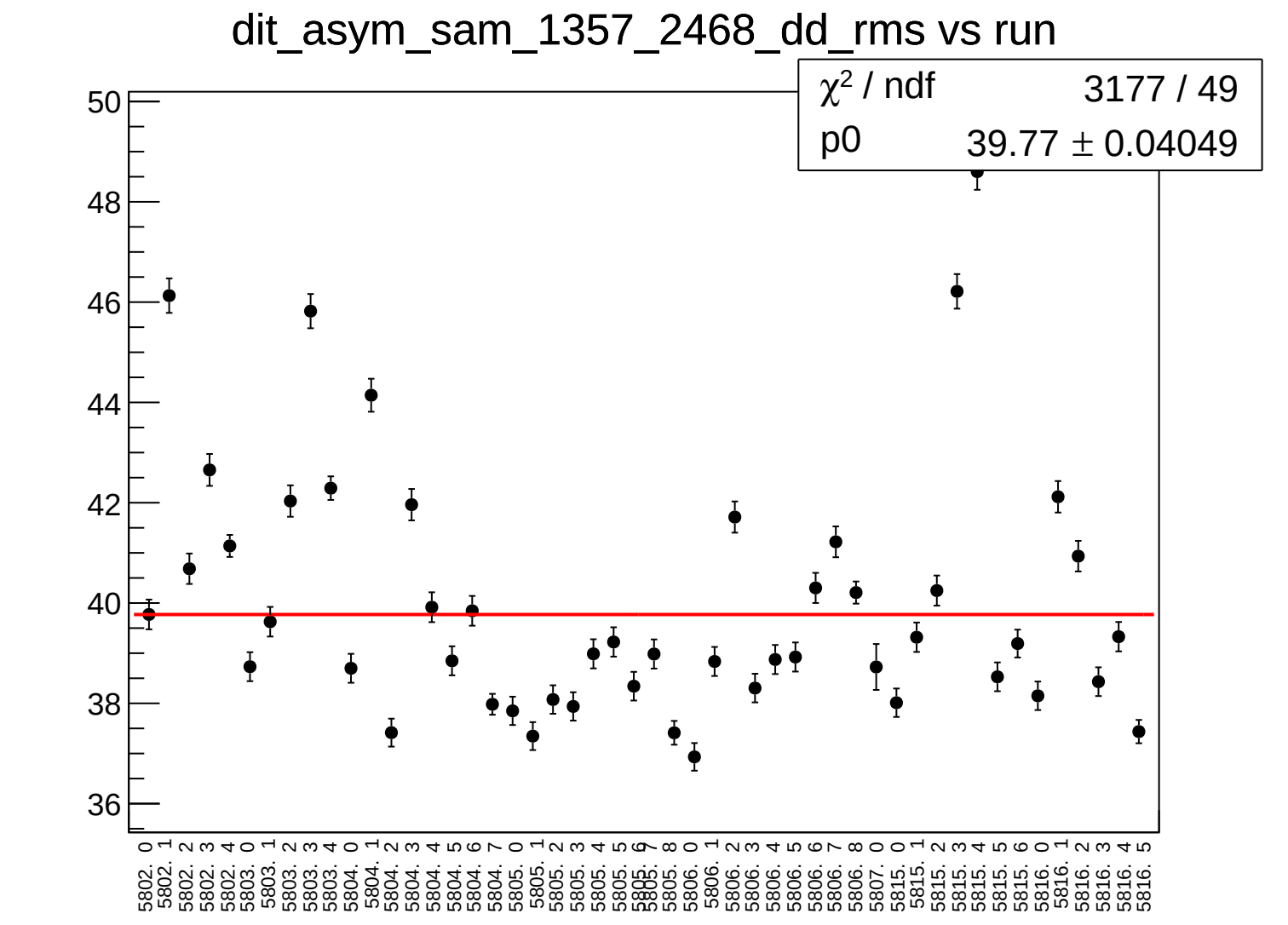

asym_sam_2468_avg_mean vs run
χ² / ndf 66.33 / 49
p0 −134.3 ± 1803
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −136.3
Std Dev 161.4
2
1
0
−1
−2

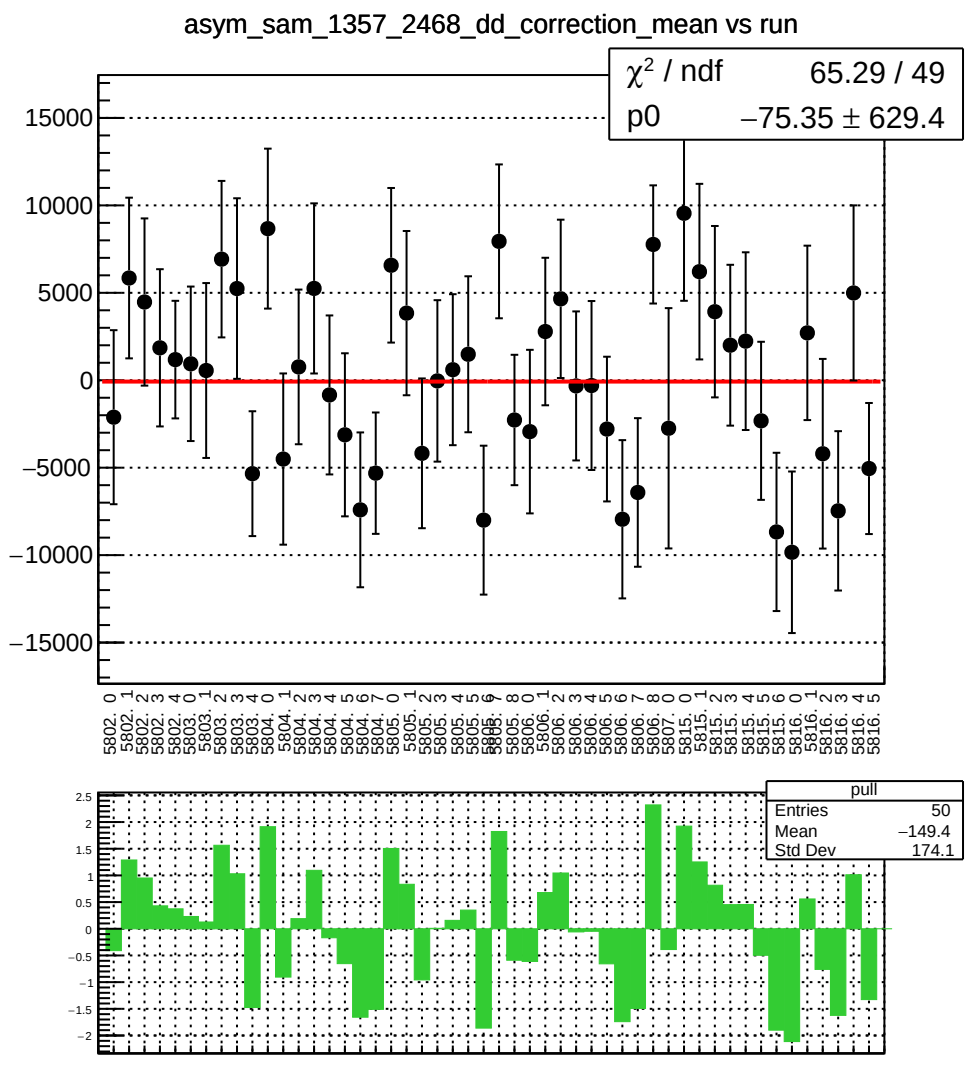

pull1D
Entries 50
Mean 0.02024
Std Dev 1.152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

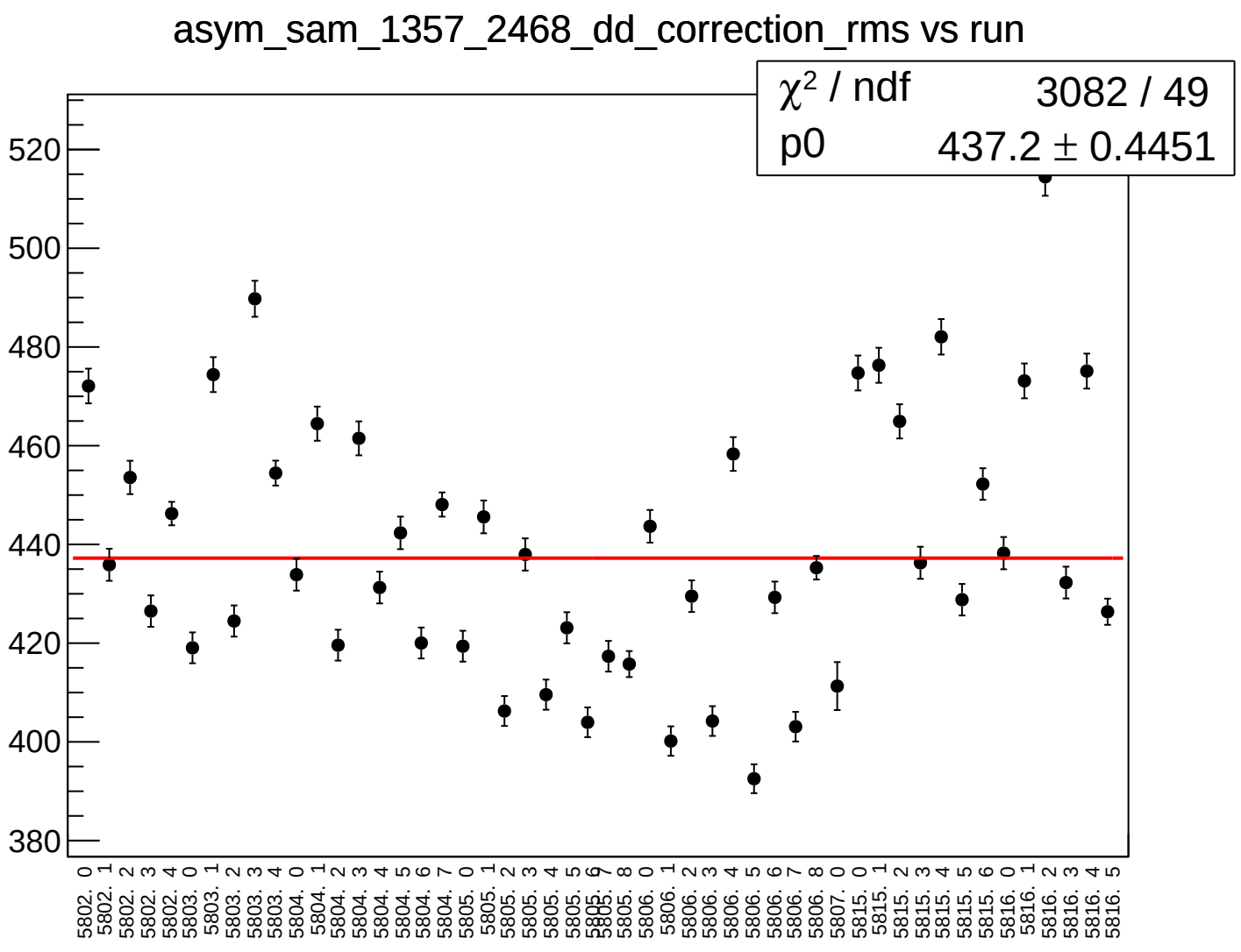

asym_sam_2468_avg_rms vs run
χ² / ndf 3914 / 49
p0 1252 ± 1.275
1450
1400
1350
1300
1250
1200
1150
1100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

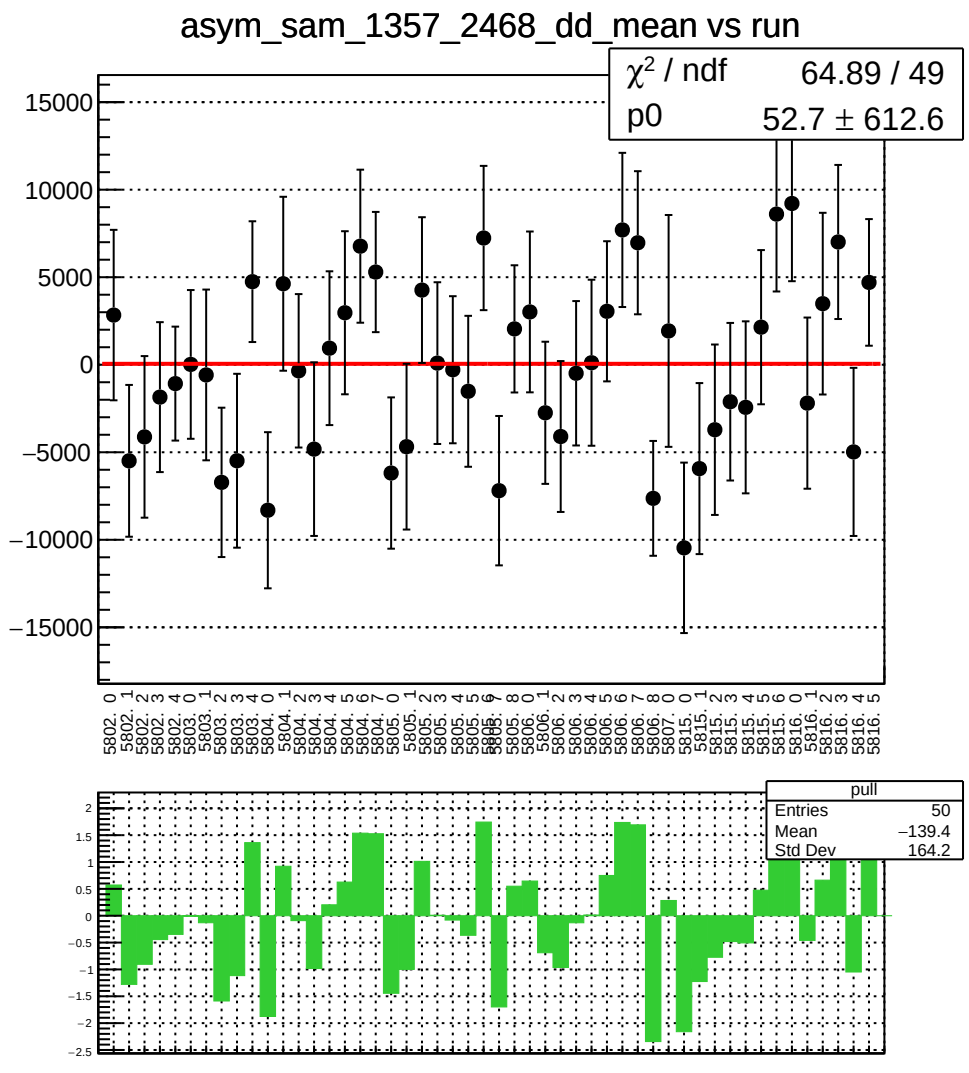

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 52.15 / 49
p0 −39.85 ± 57.26
pull
Entries 50
Mean −473.9
Std Dev 496.9

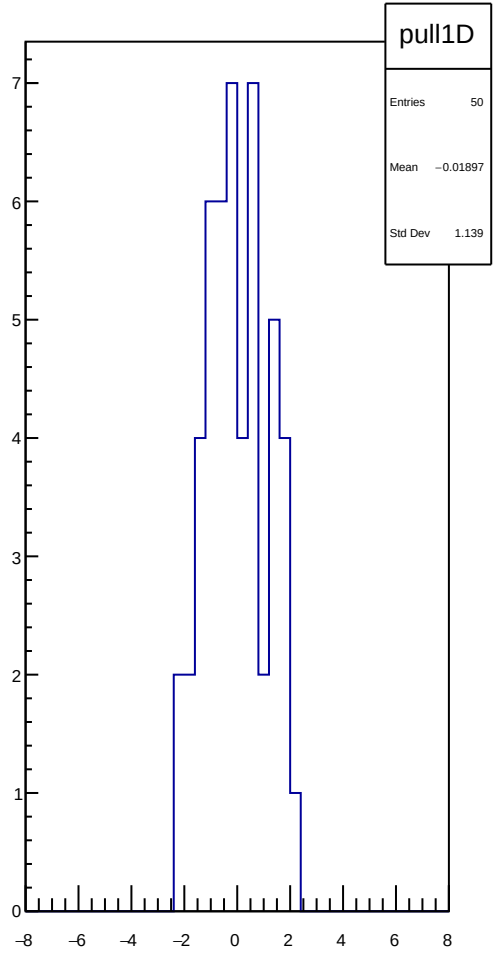

pull1D
Entries 50
Mean 0.009282
Std Dev 1.021

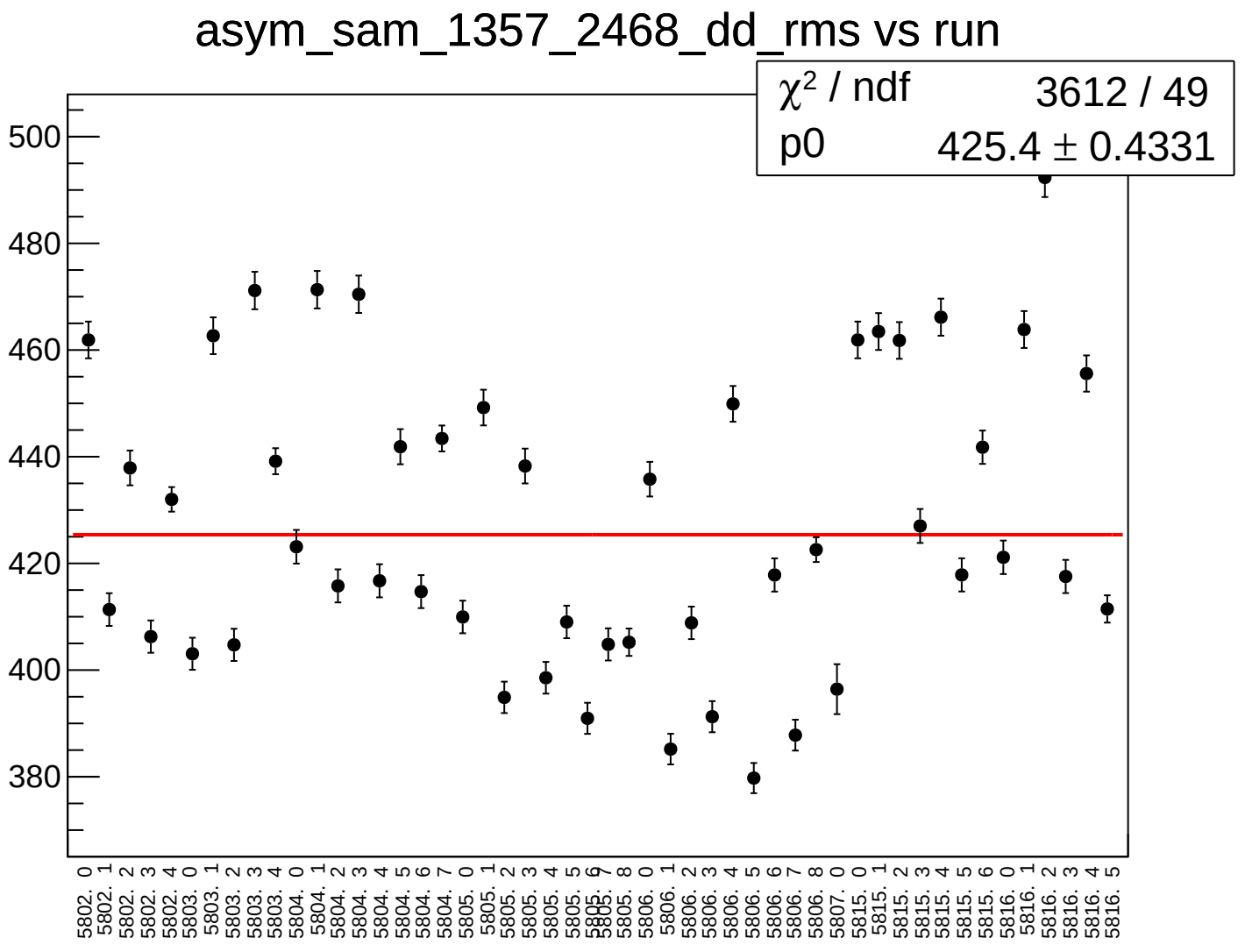

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3177 / 49
p0 39.77 ± 0.04049
50
48
46
44
42
40
38
36
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

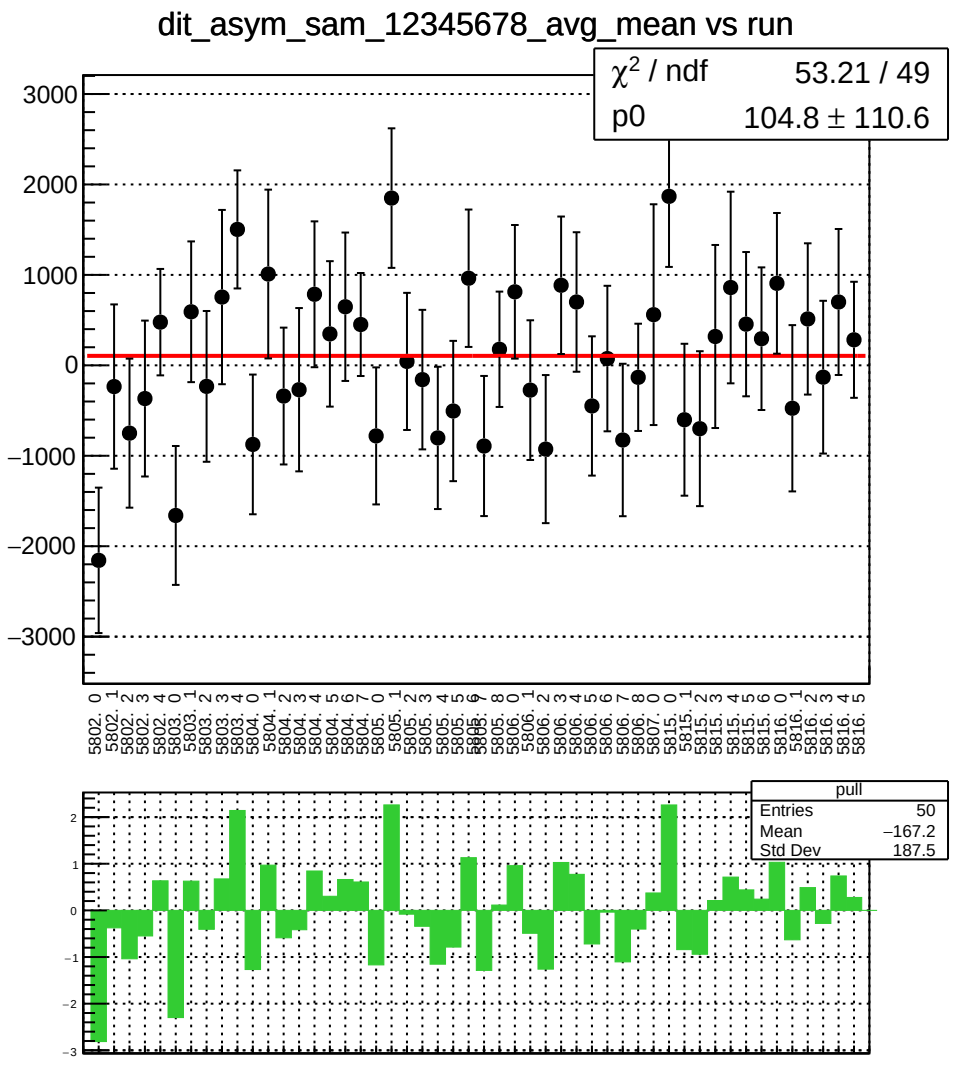

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 65.29 / 49
p0 −75.35 ± 629.4
15000
10000
5000
0
−5000
−10000
−15000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 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 −149.4
Std Dev 174.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01961
Std Dev 1.143
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

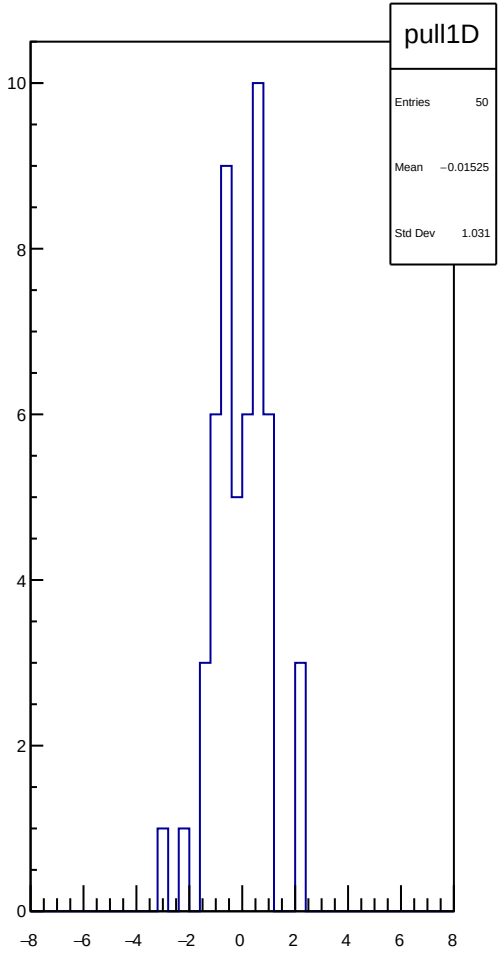

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3082 / 49
p0 437.2 ± 0.4451
520
500
480
460
440
420
400
380
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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

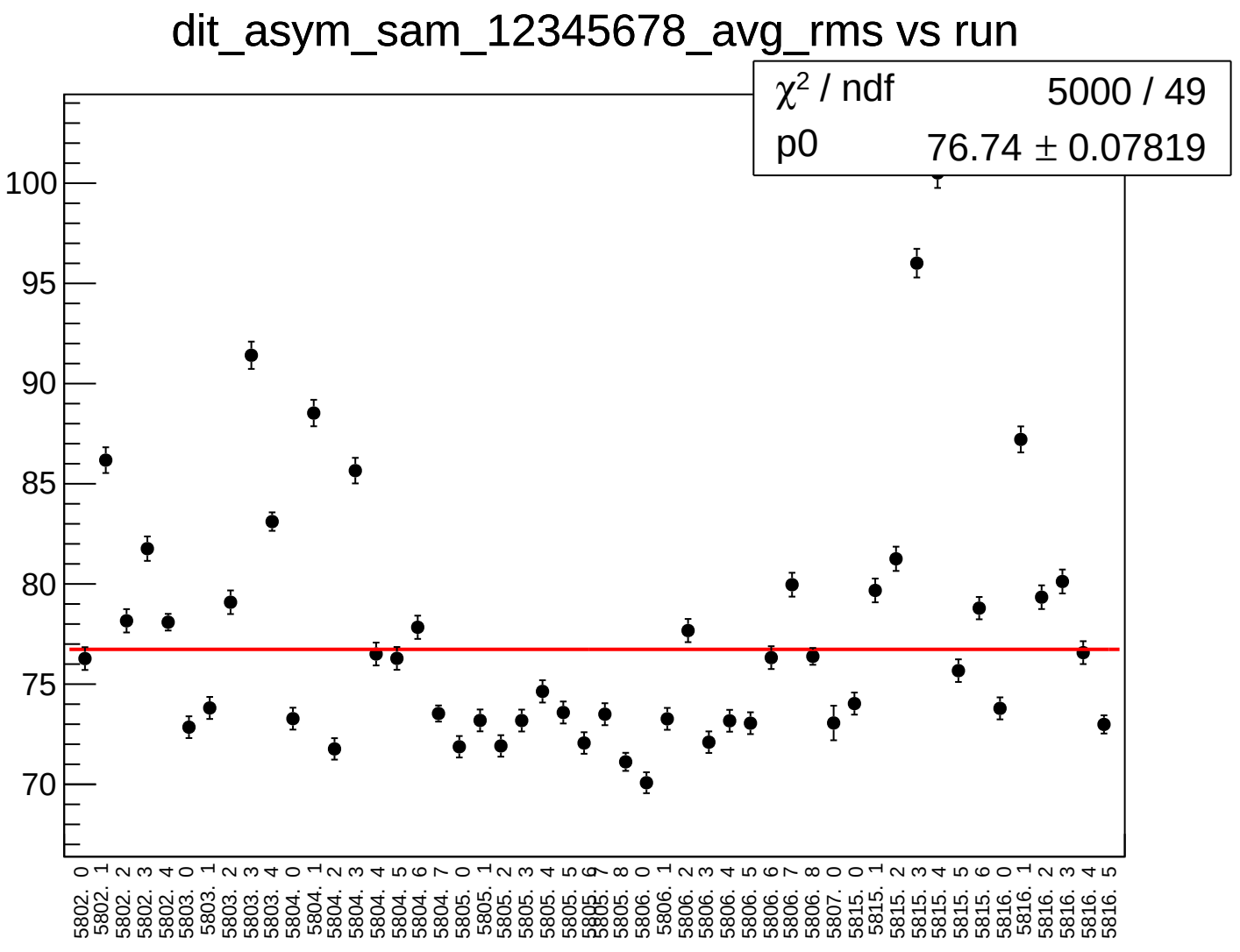

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.89 / 49
p0 52.7 ± 612.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −139.4
Std Dev 164.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

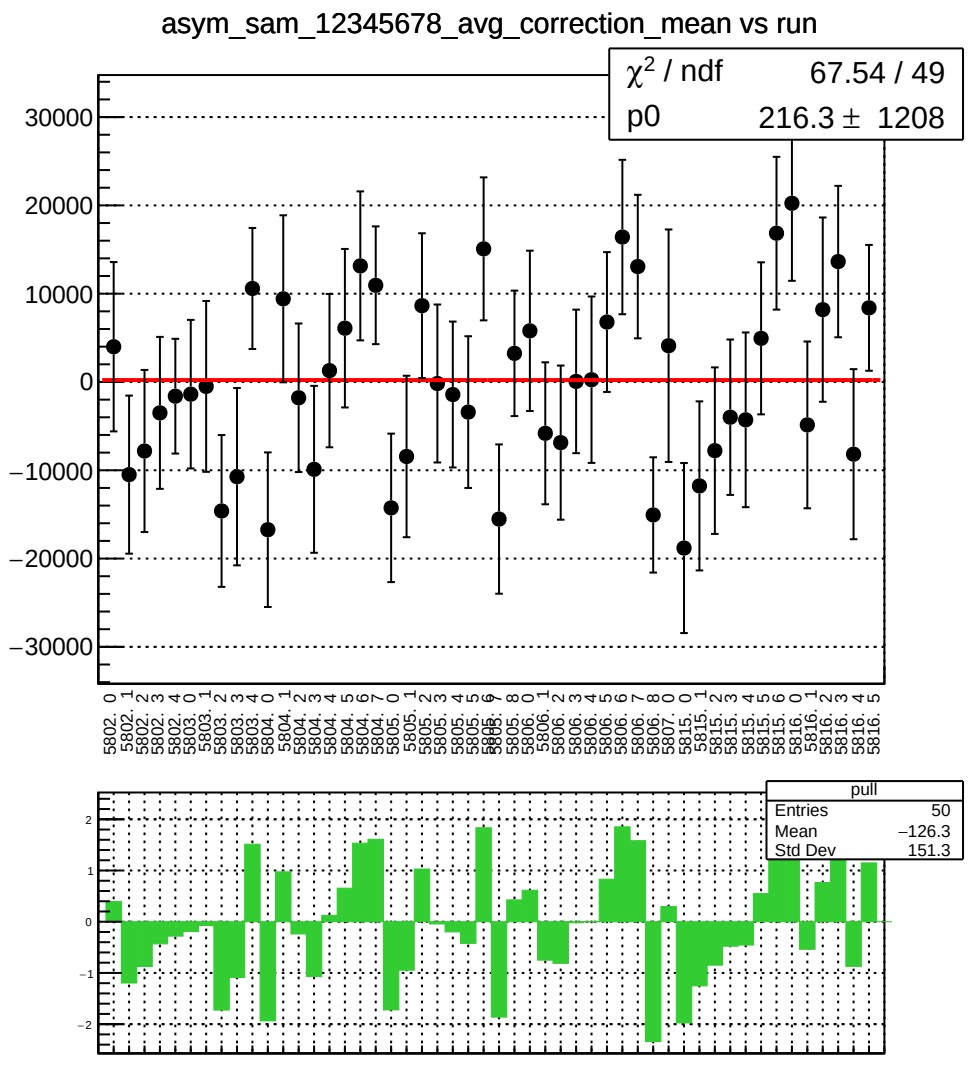

pull1D
Entries 50
Mean −0.01897
Std Dev 1.139
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

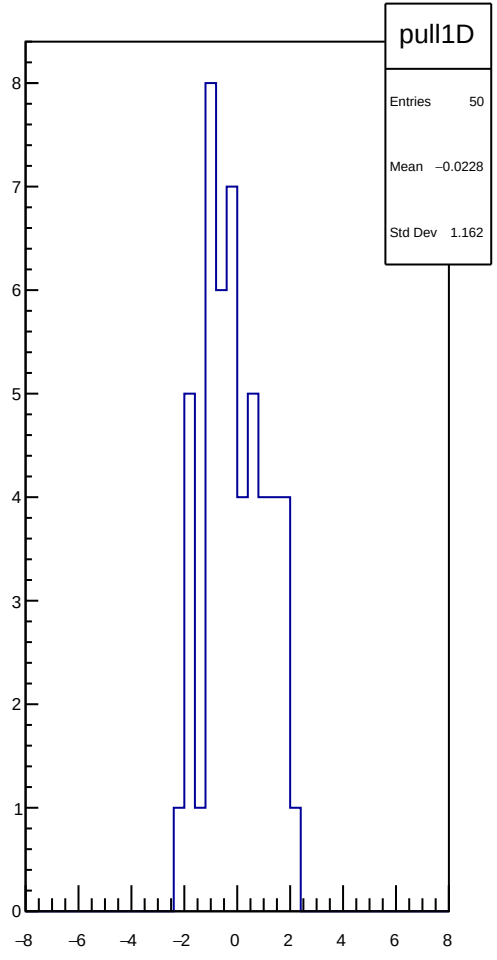

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3612 / 49
p0 425.4 ± 0.4331
500
480
460
440
420
400
380
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

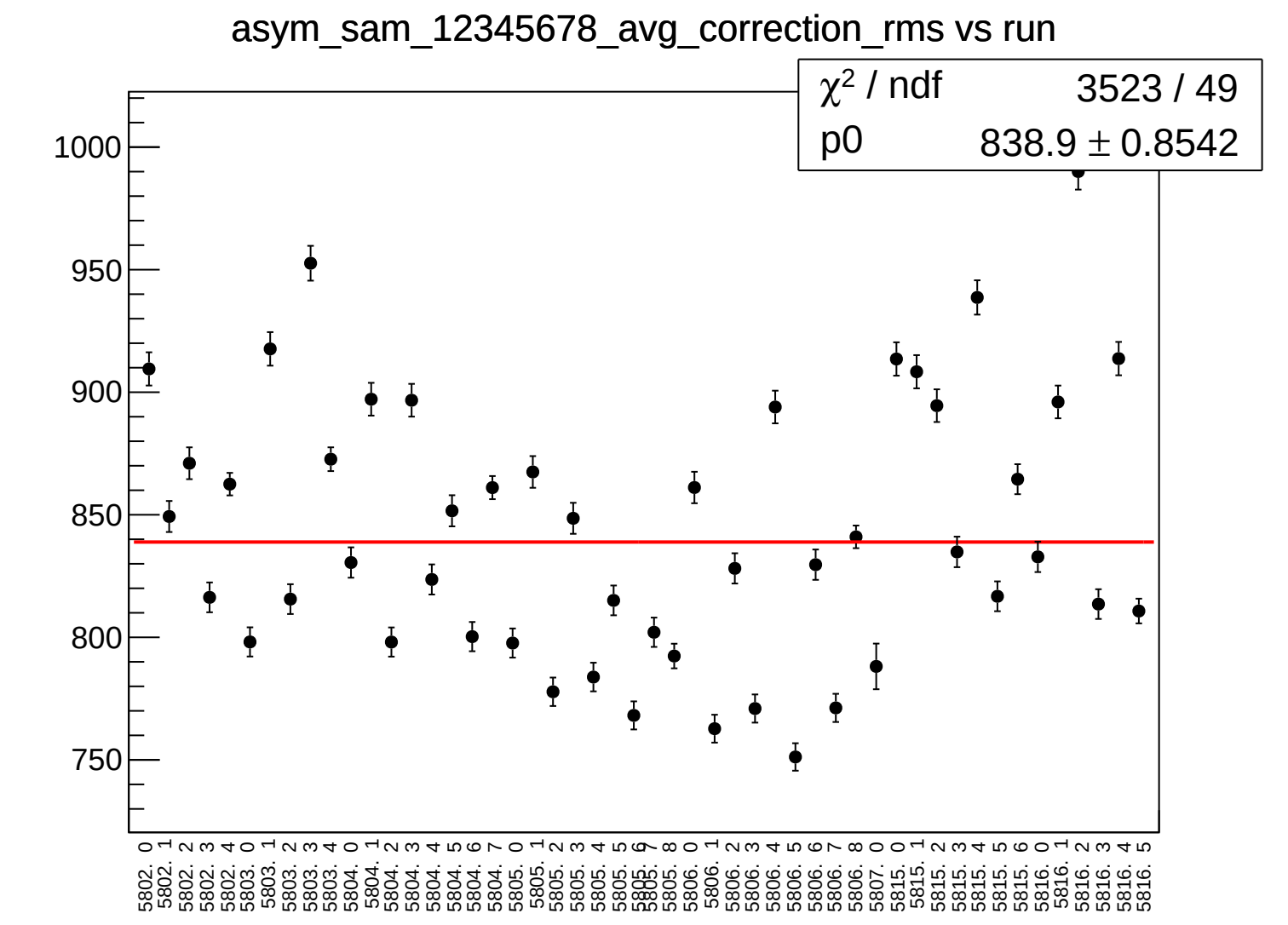

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 53.21 / 49
p0 104.8 ± 110.6
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 50
Mean −167.2
Std Dev 187.5
2
1
0
−1
−2
−3

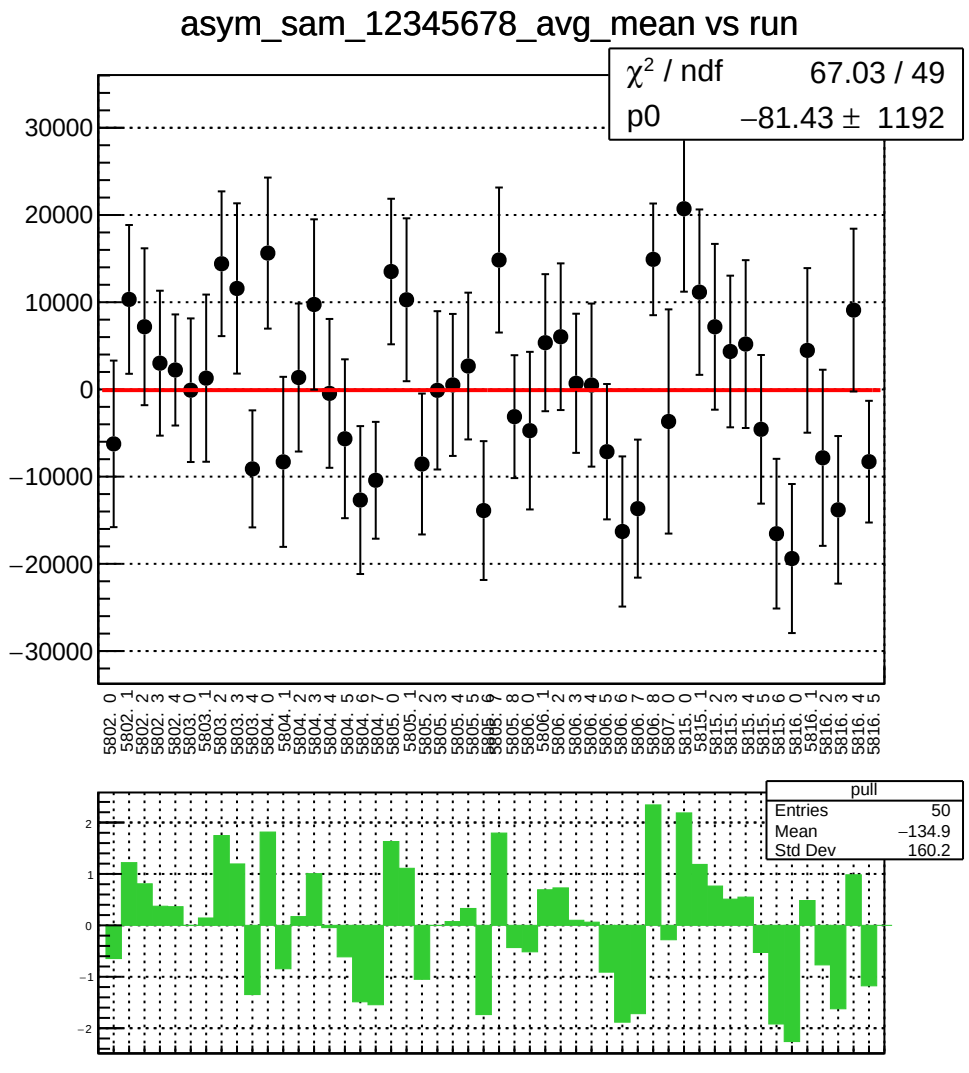

pull1D
Entries 50
Mean −0.01525
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

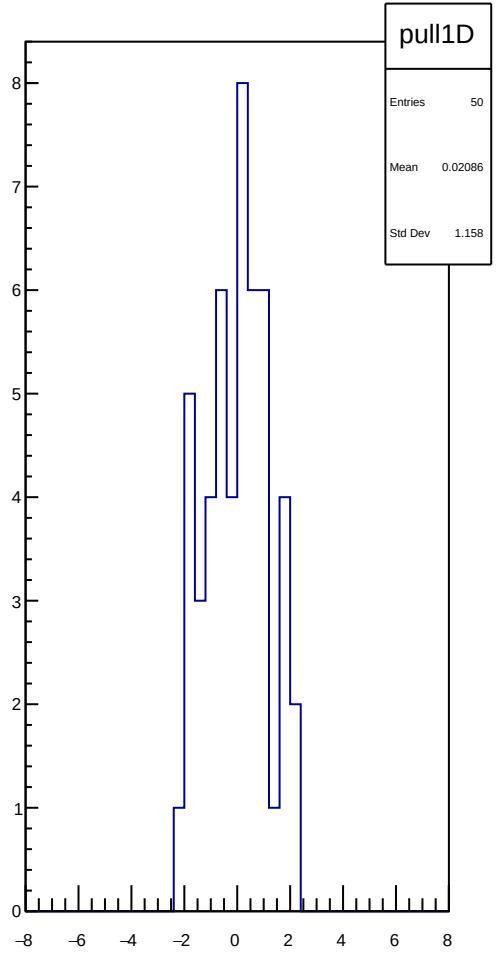

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 5000 / 49
p0 76.74 ± 0.07819
100
95
90
85
80
75
70
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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

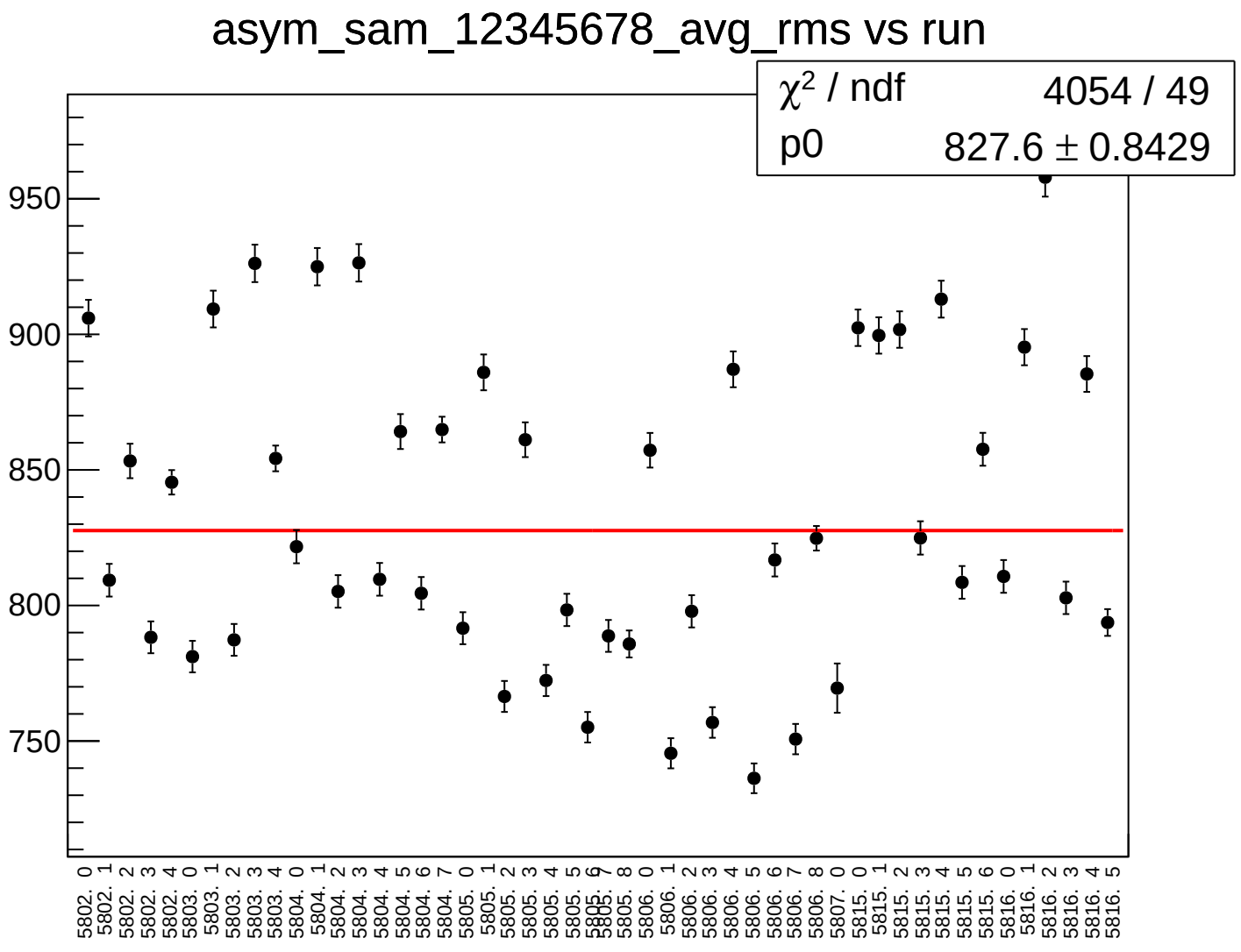

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 67.54 / 49
p0 216.3 ± 1208
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −126.3
Std Dev 151.3
2
1
0
−1
−2

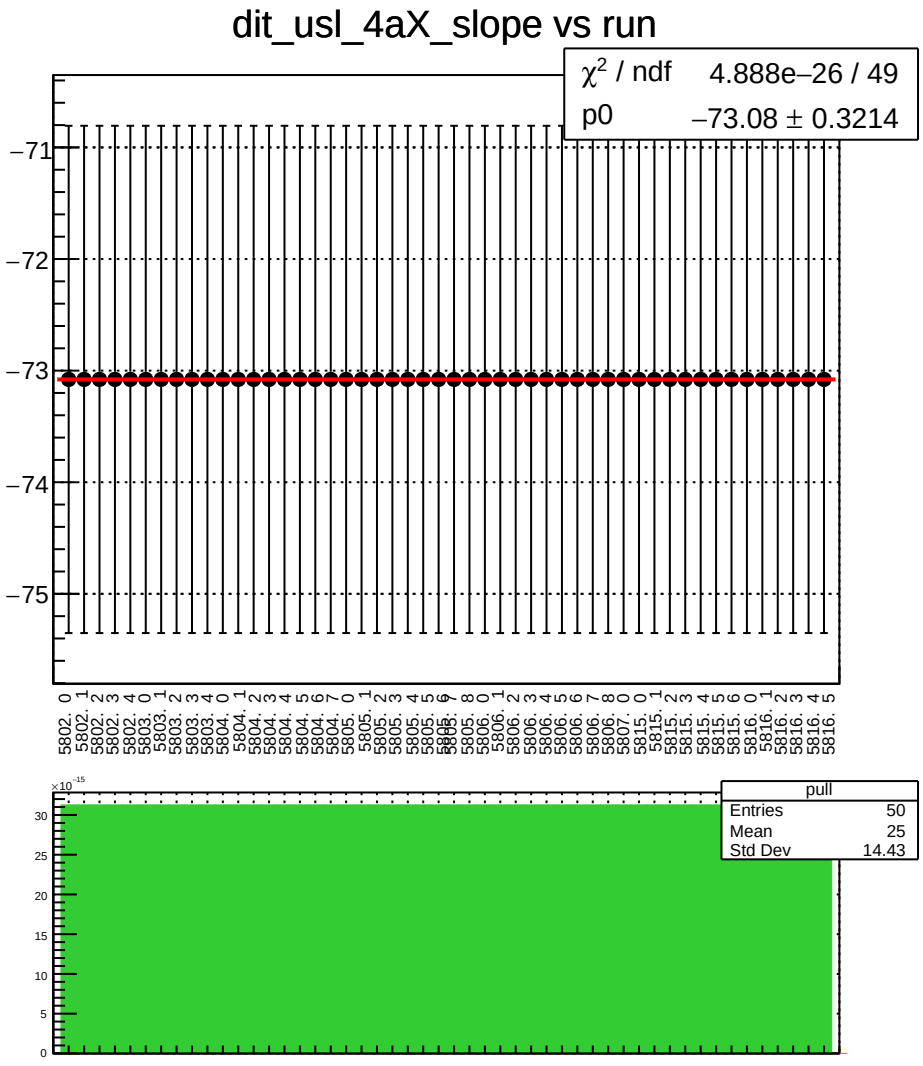

pull1D
Entries 50
Mean −0.0228
Std Dev 1.162
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

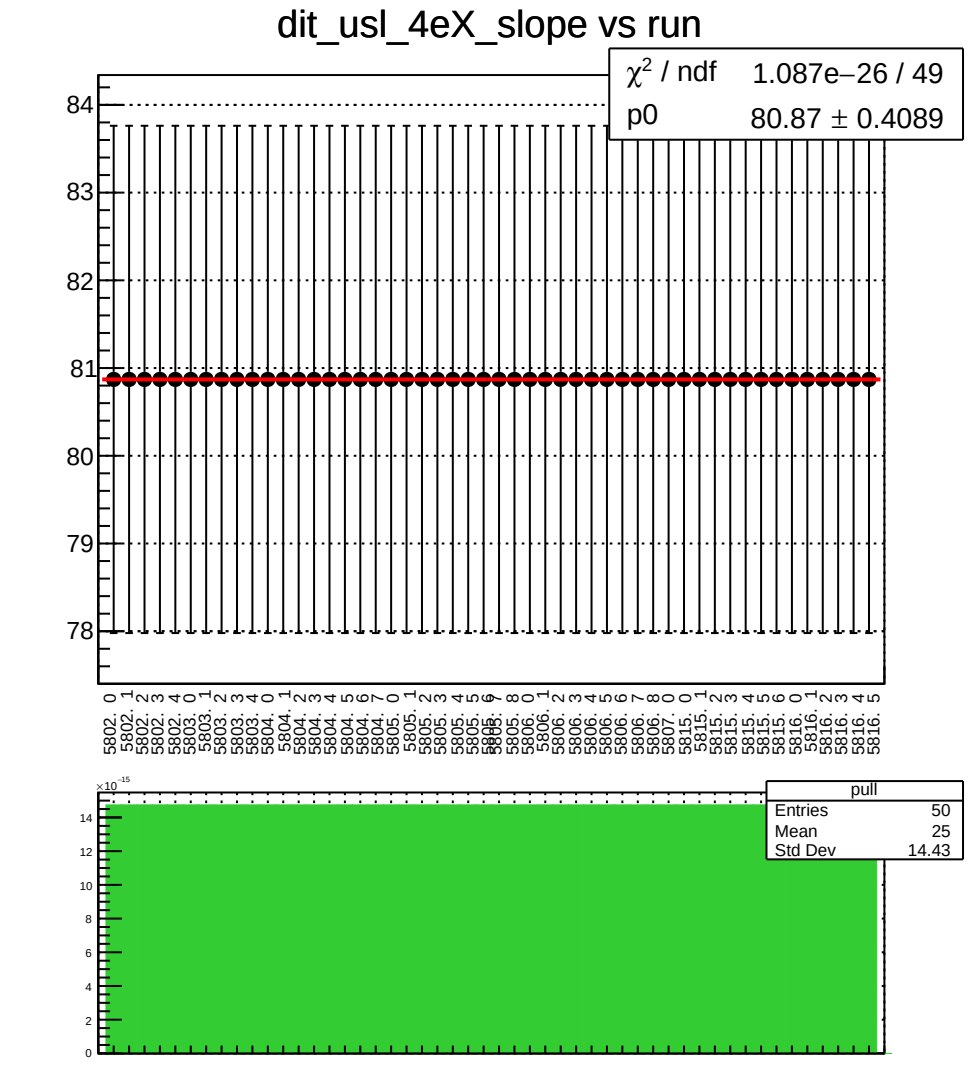

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3523 / 49
p0 838.9 ± 0.8542
1000
950
900
850
800
750
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

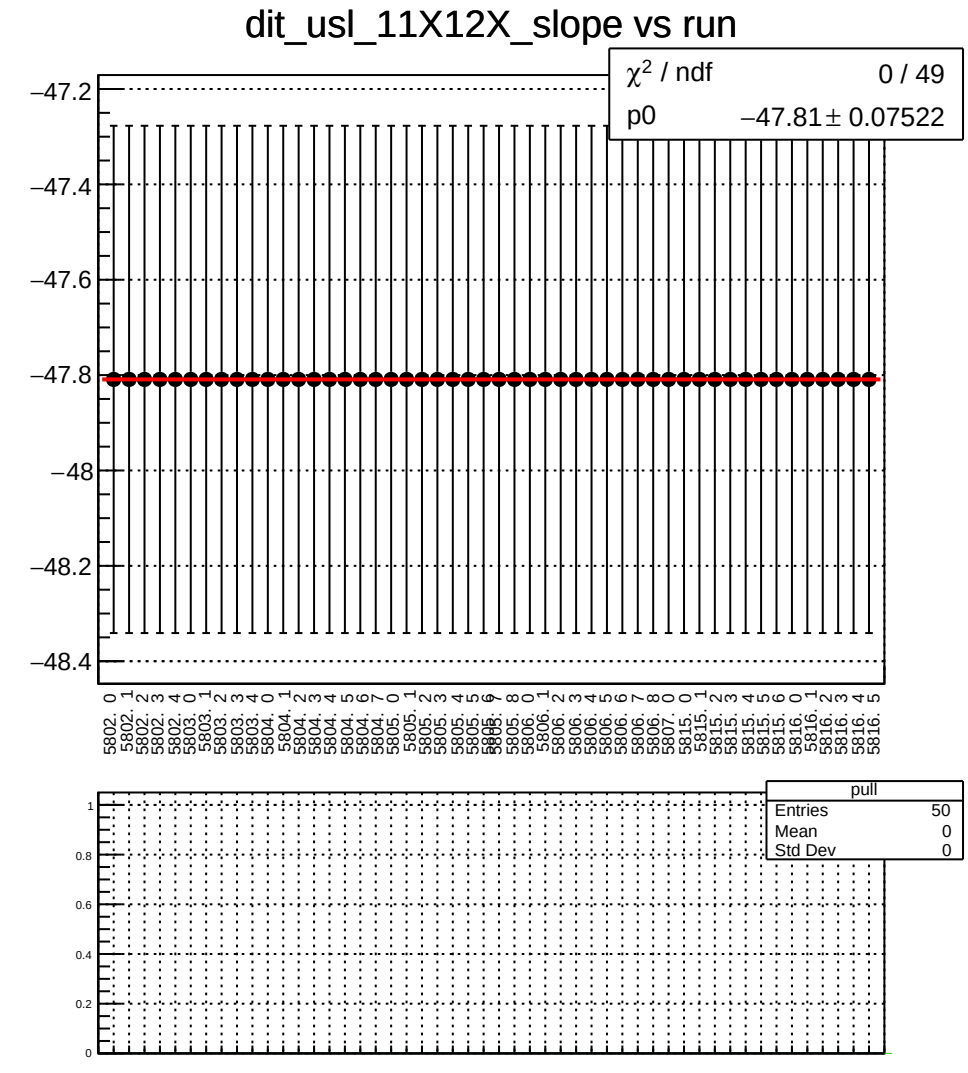

asym_sam_12345678_avg_mean vs run
χ² / ndf 67.03 / 49
p0 −81.43 ± 1192
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −134.9
Std Dev 160.2
2
1
0
−1
−2

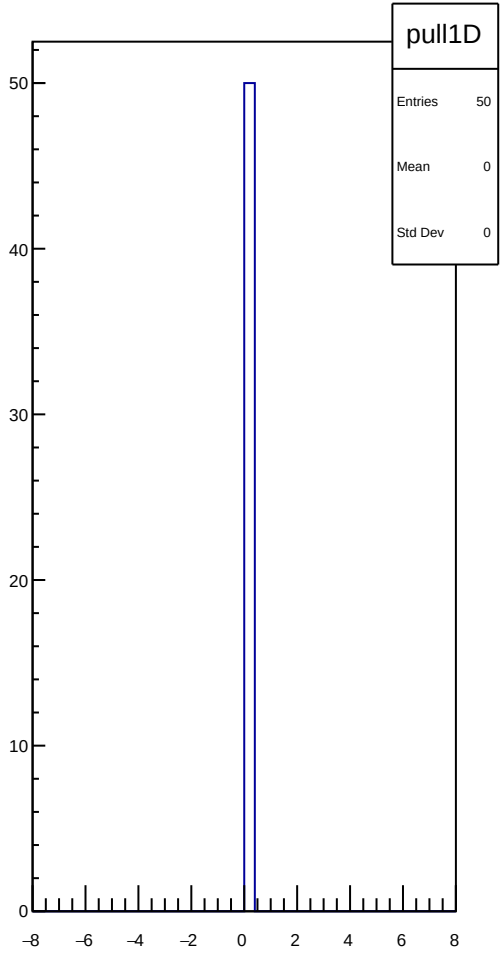

pull1D
Entries 50
Mean 0.02086
Std Dev 1.158
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

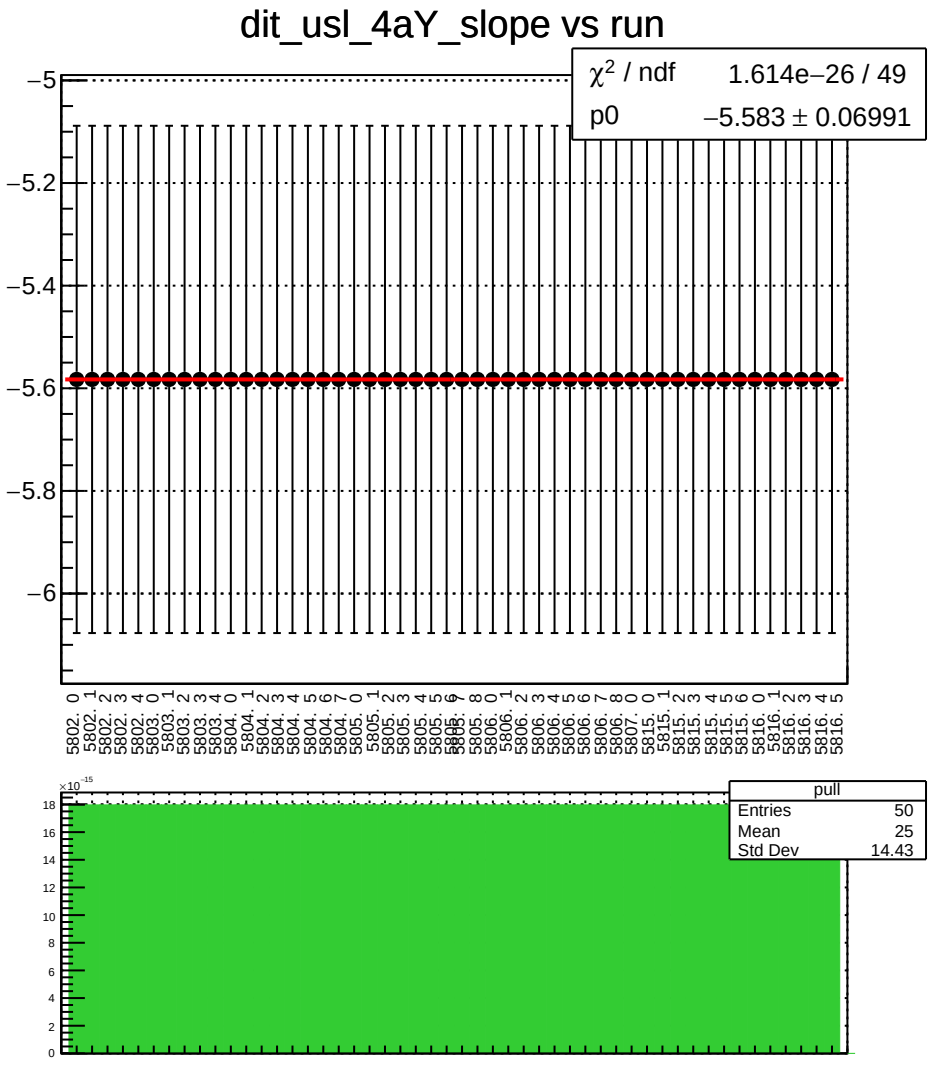

asym_sam_12345678_avg_rms vs run
χ² / ndf 4054 / 49
p0 827.6 ± 0.8429
950
900
850
800
750
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

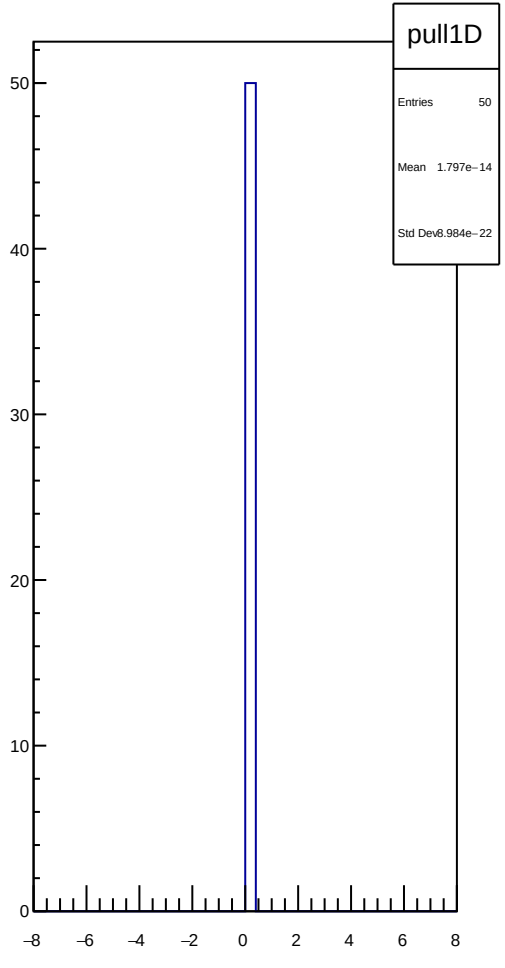

dit_usl_4aX_slope vs run
χ² / ndf 4.888e−26 / 49
p0 −73.08 ± 0.3214
−71
−72
−73
−74
−75
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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
30
25
20
15
10
5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 3.127e−14
Std Dev 8.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

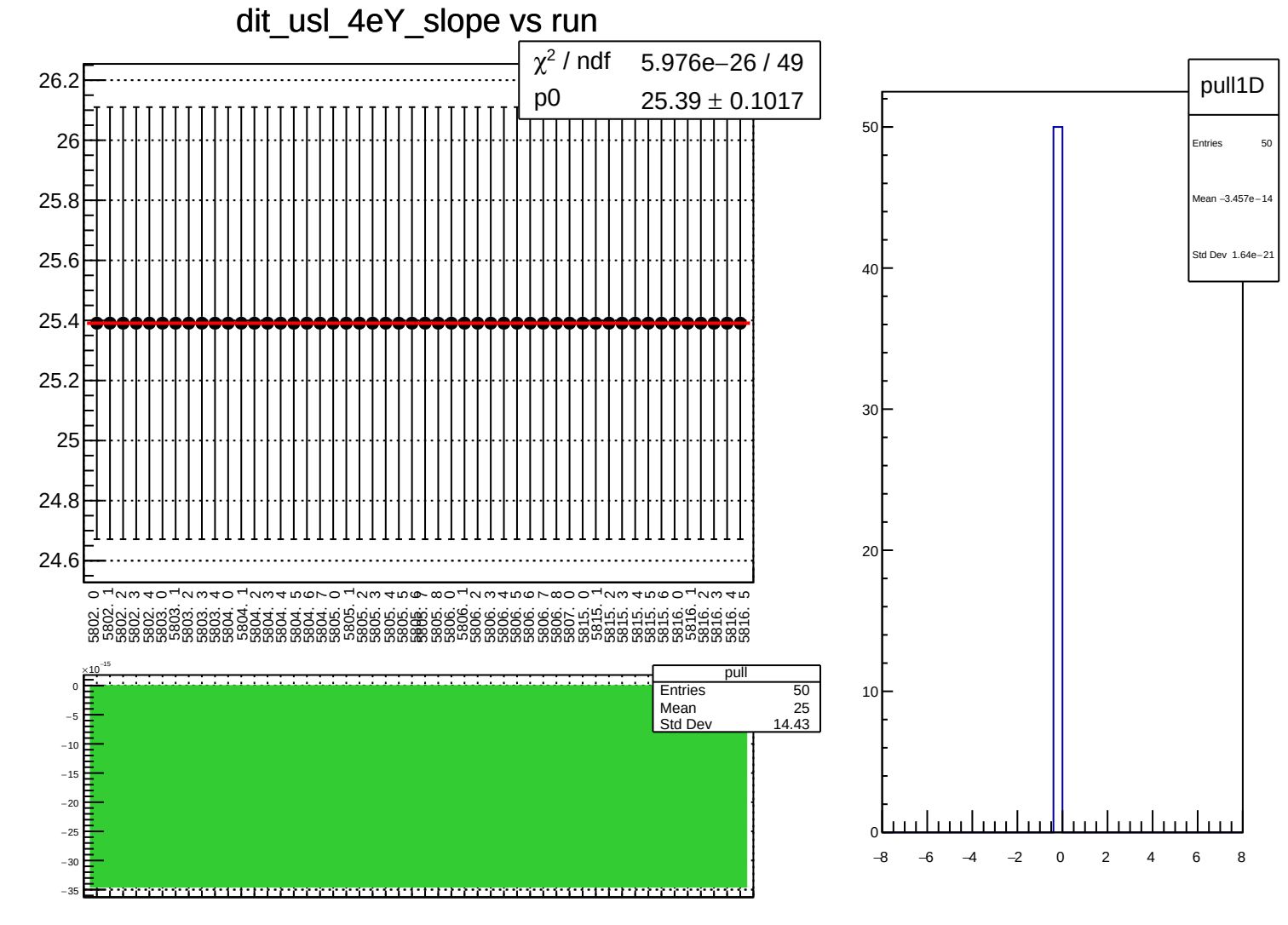

dit_usl_4eX_slope vs run
χ² / ndf 1.087e−26 / 49
p0 80.87 ± 0.4089
84
83
82
81
80
79
78
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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 1.474e−14
Std Dev7.023e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

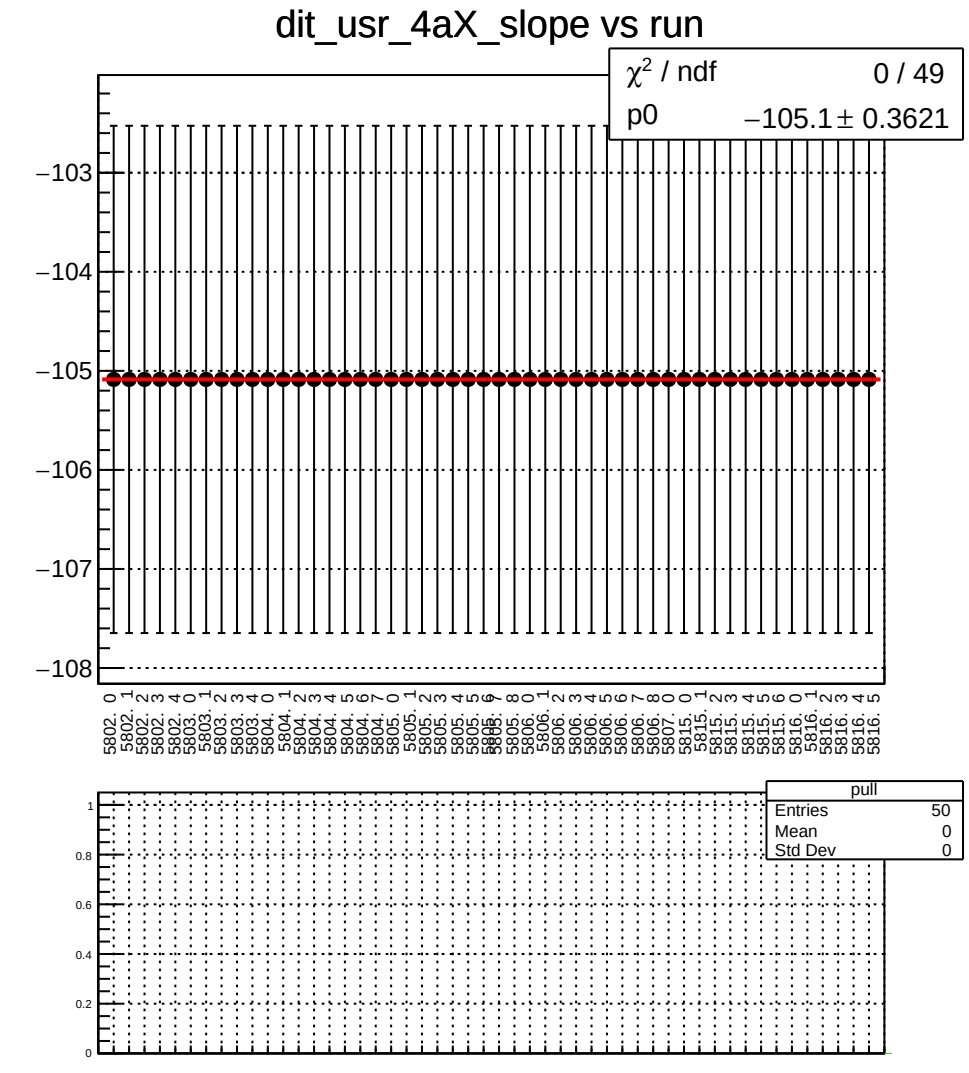

dit_usl_11X12X_slope vs run
χ² / ndf 0 / 49
p0 −47.81 ± 0.07522
−47.2
−47.4
−47.6
−47.8
−48
−48.2
−48.4
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

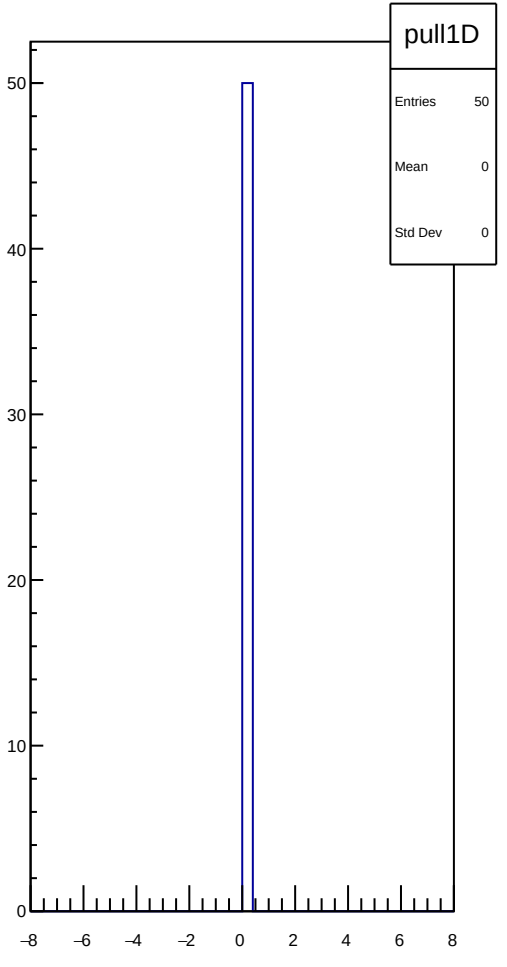

pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

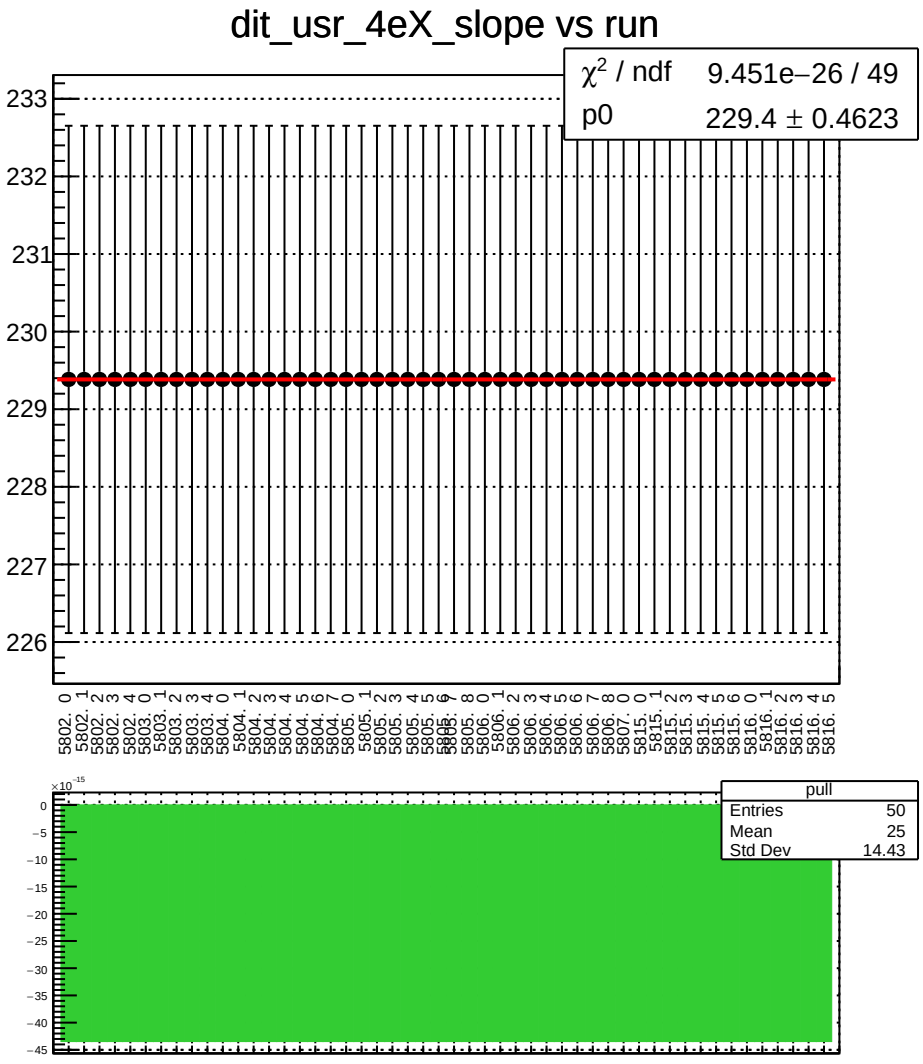

dit_usl_4aY_slope vs run
χ² / ndf 1.614e−26 / 49
p0 −5.583 ± 0.06991
pull
Entries 50
Mean 25
Std Dev 14.43

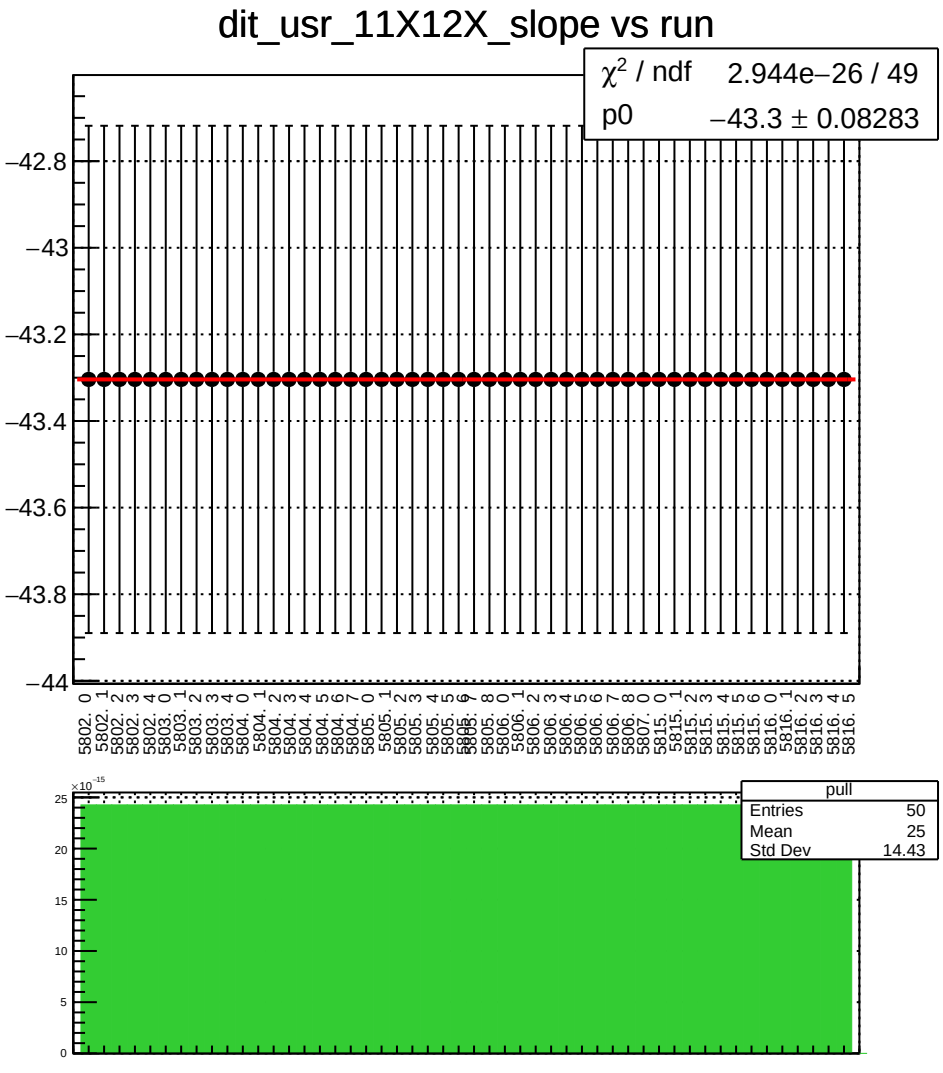

pull1D
Entries 50
Mean 1.797e−14
Std Dev 8.984e−22

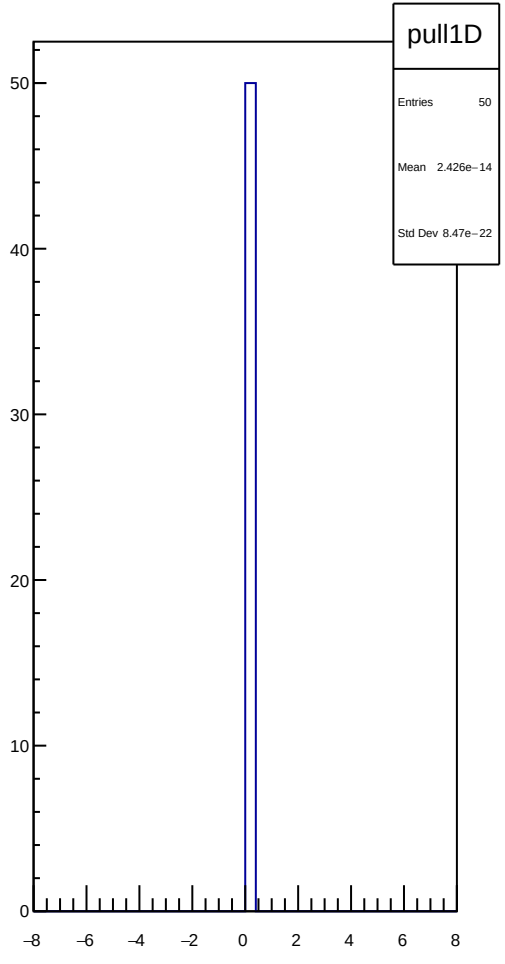

dit_usl_4eY_slope vs run
χ² / ndf 5.976e−26 / 49
p0 25.39 ± 0.1017
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −3.457e−14
Std Dev 1.64e−21

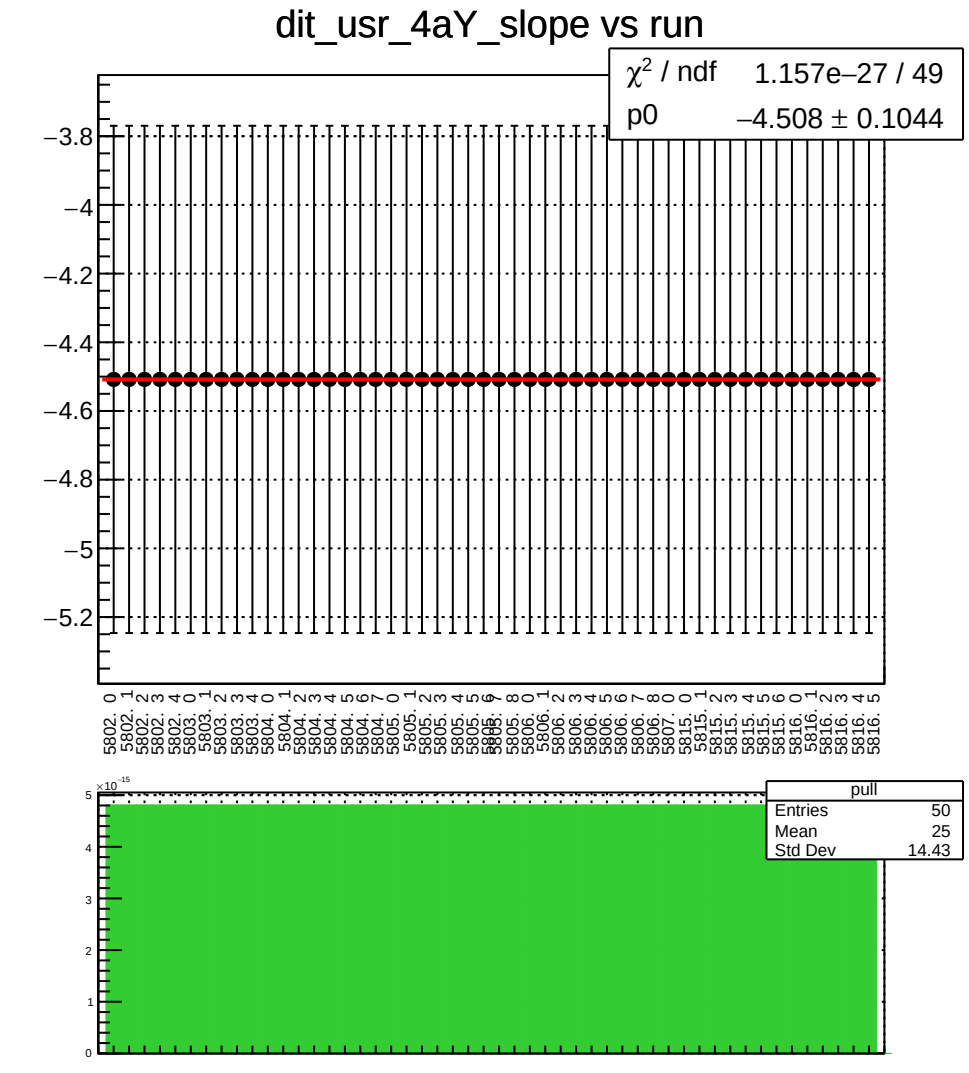

dit_usr_4aX_slope vs run
χ² / ndf 0 / 49
p0 −105.1 ± 0.3621
−103
−104
−105
−106
−107
−108
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

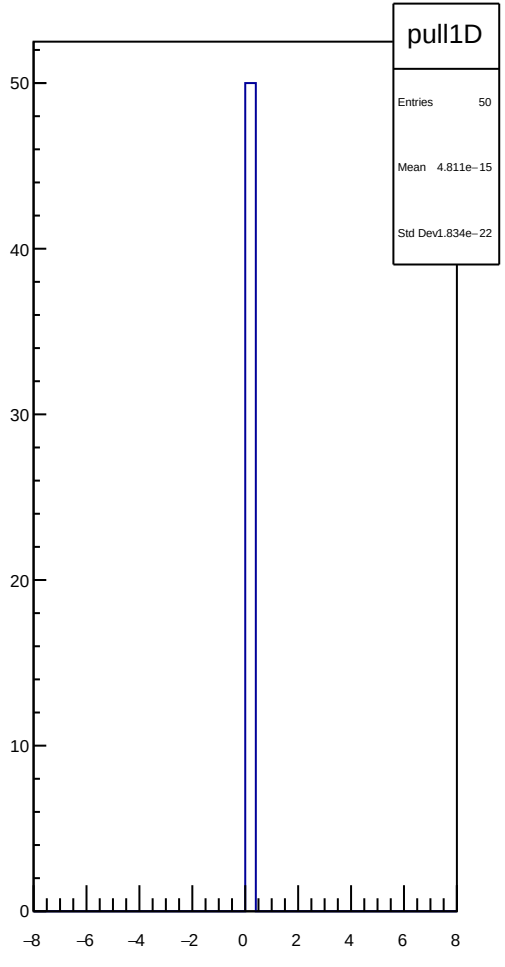

pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

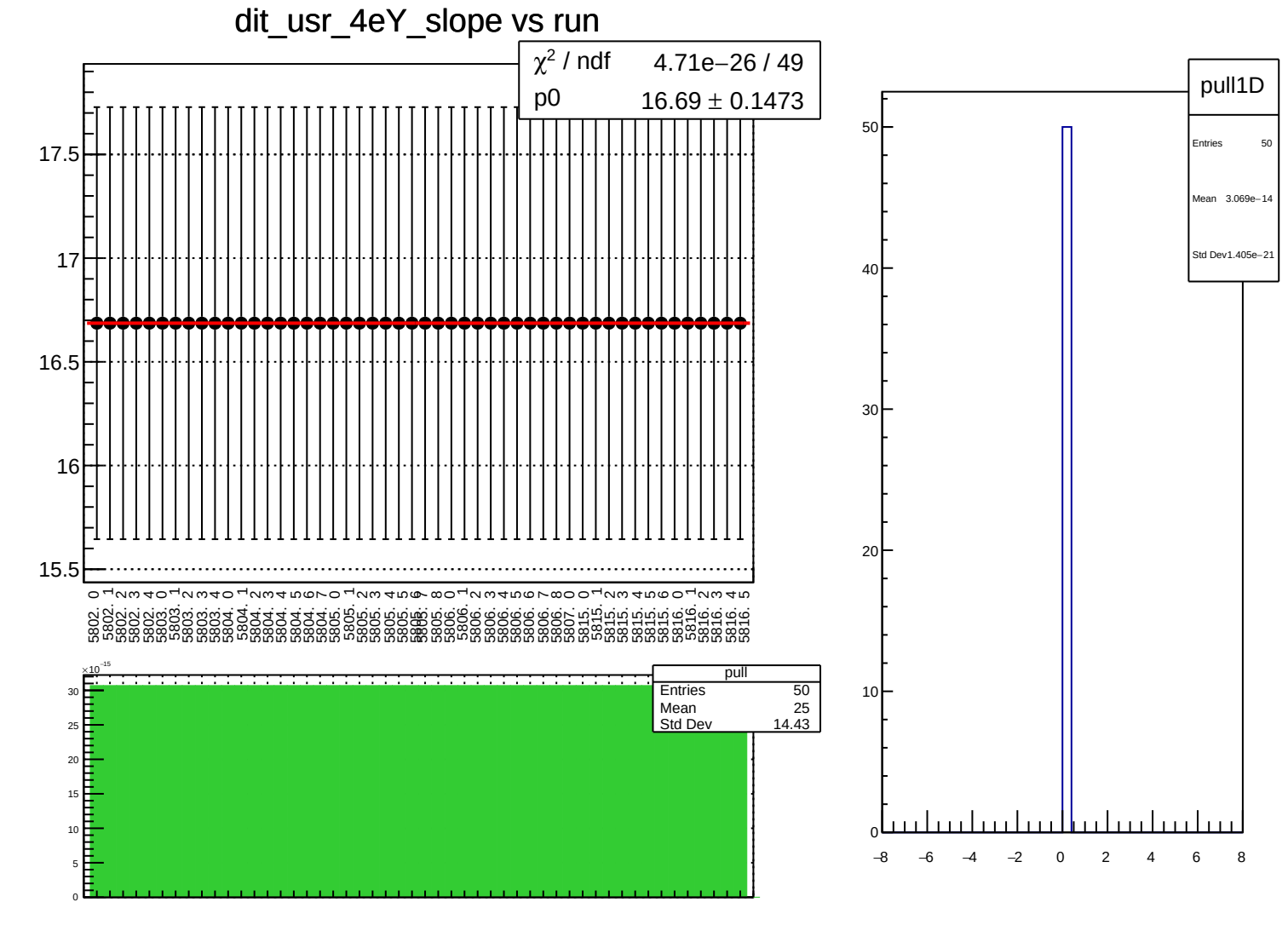

dit_usr_4eX_slope vs run
χ² / ndf 9.451e−26 / 49
p0 229.4 ± 0.4623
233
232
231
230
229
228
227
226
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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
−30
−35
−40
−45
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −4.348e−14
Std Dev1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

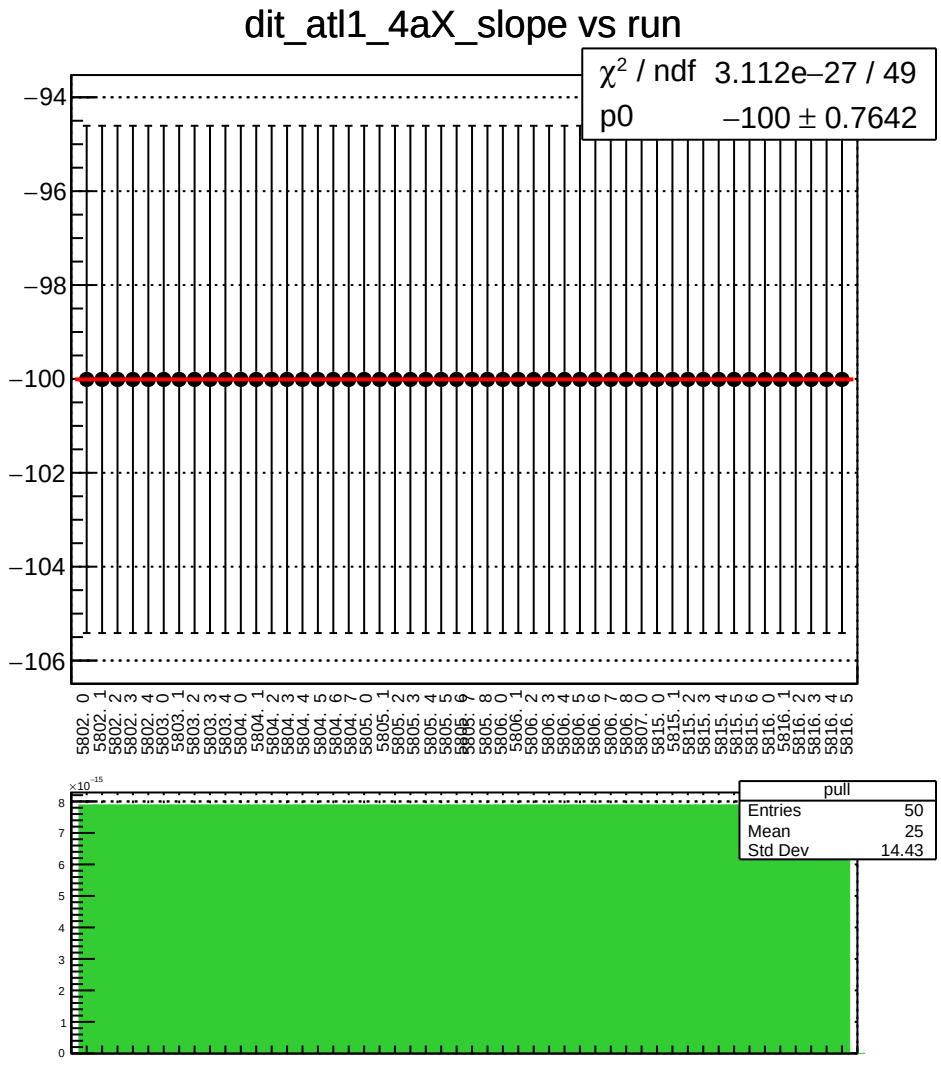

dit_usr_11X12X_slope vs run
χ² / ndf 2.944e−26 / 49
p0 −43.3 ± 0.08283
−42.8
−43
−43.2
−43.4
−43.6
−43.8
−44
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
25
20
15
10
5
0

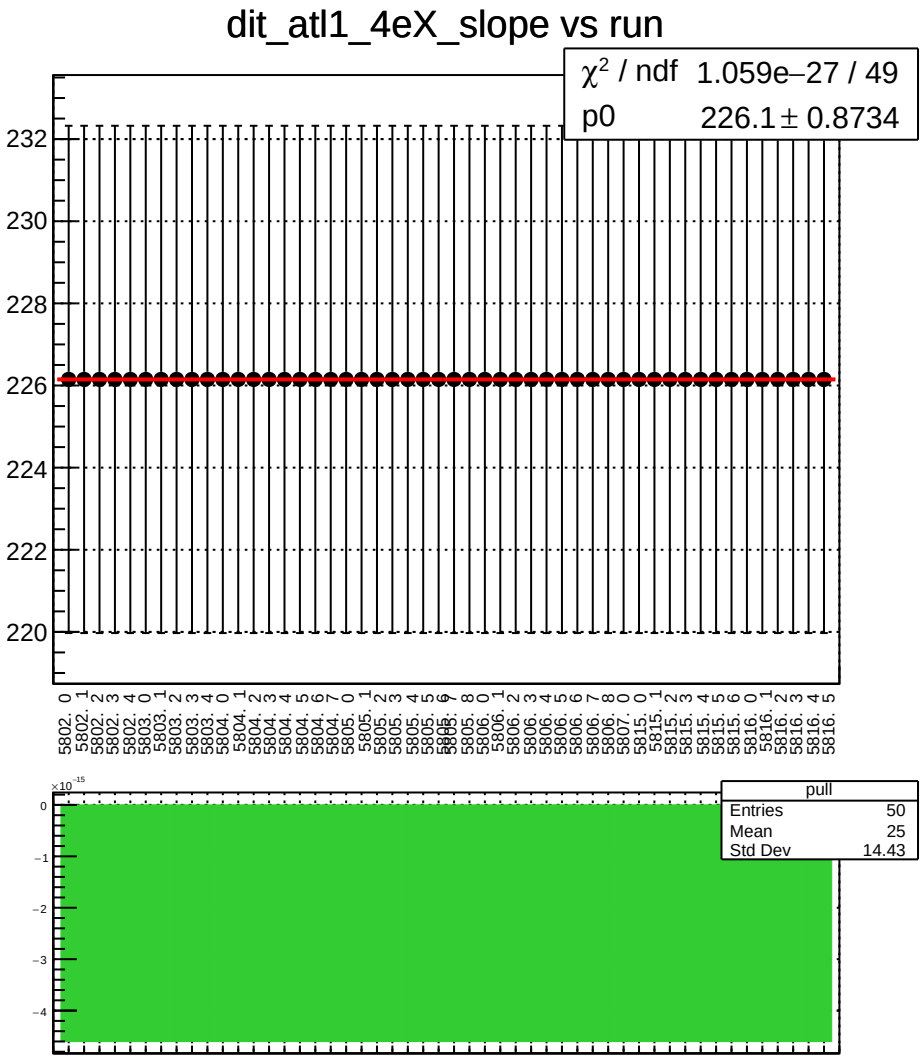

pull1D
Entries 50
Mean 2.426e−14
Std Dev 8.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

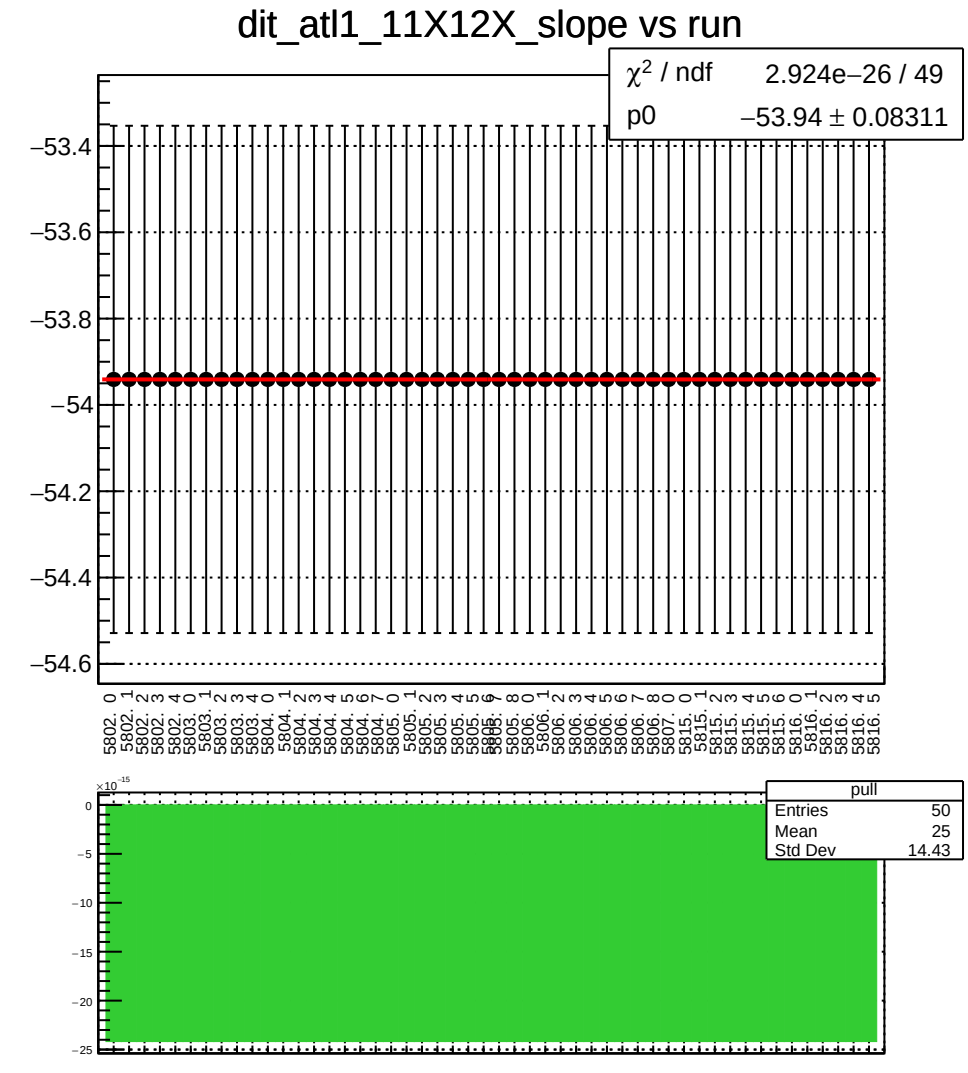

dit_usr_4aY_slope vs run
χ² / ndf 1.157e−27 / 49
p0 −4.508 ± 0.1044
−3.8
−4
−4.2
−4.4
−4.6
−4.8
−5
−5.2
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
5
4
3
2
1
0

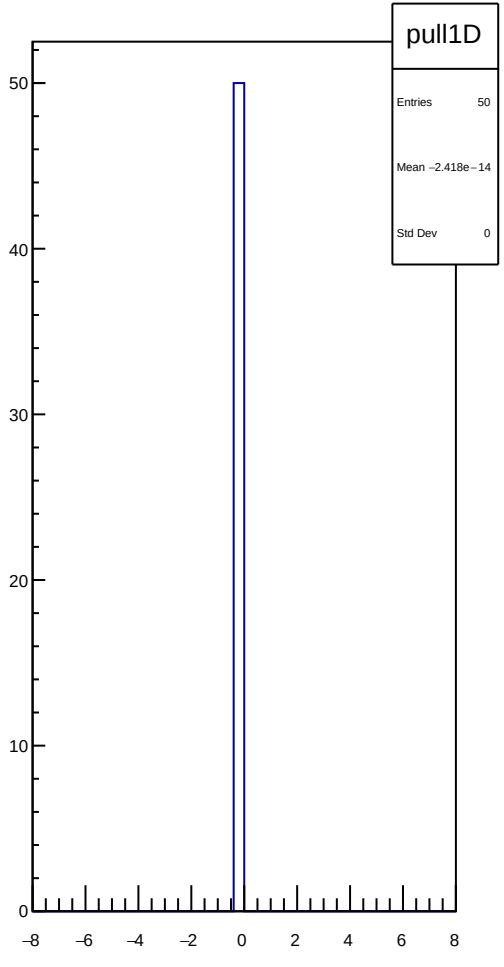

pull1D
Entries 50
Mean 4.811e−15
Std Dev1.834e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

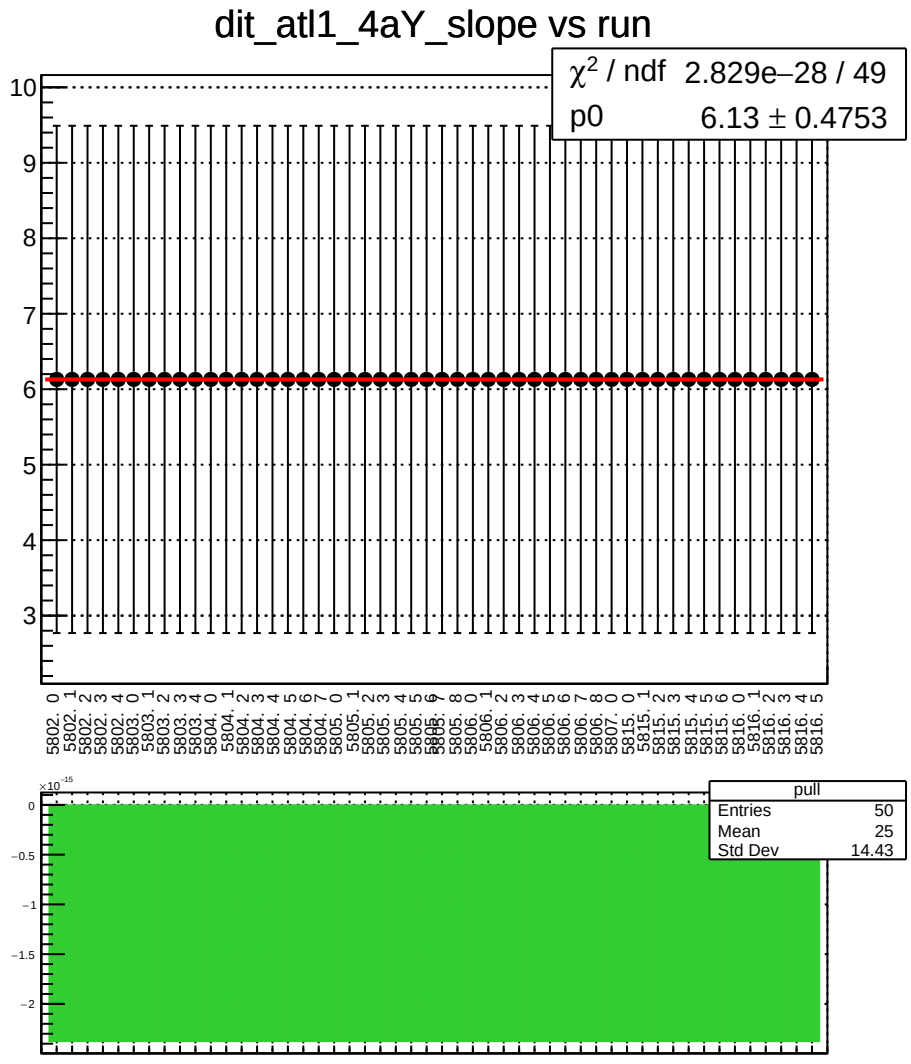

dit_usr_4eY_slope vs run
χ² / ndf 4.71e−26 / 49
p0 16.69 ± 0.1473
17.5
17
16.5
16
15.5
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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
30
25
20
15
10
5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 3.069e−14
Std Dev 1.405e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

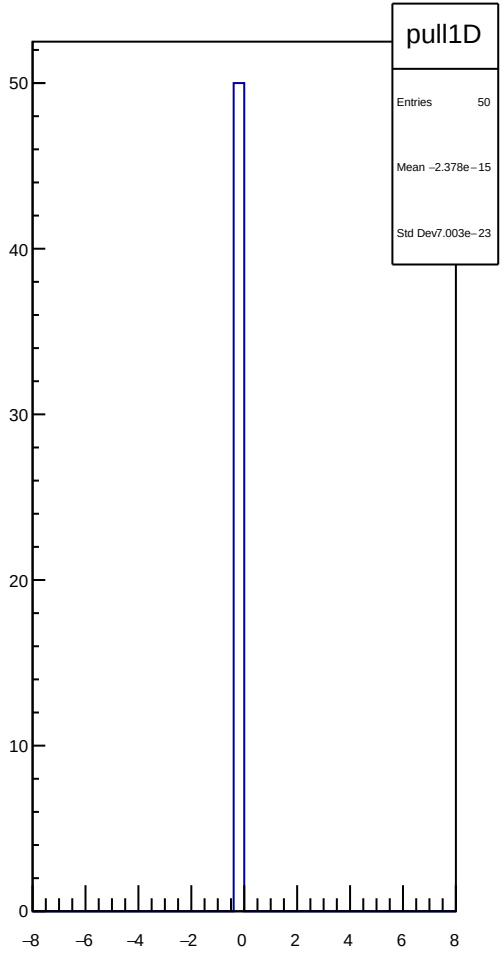

dit_atl1_4aX_slope vs run
χ² / ndf 3.112e−27 / 49
p0 −100 ± 0.7642
−94
−96
−98
−100
−102
−104
−106
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
pull1D
Entries 50
Mean 7.89e−15
Std Dev 1.834e−22

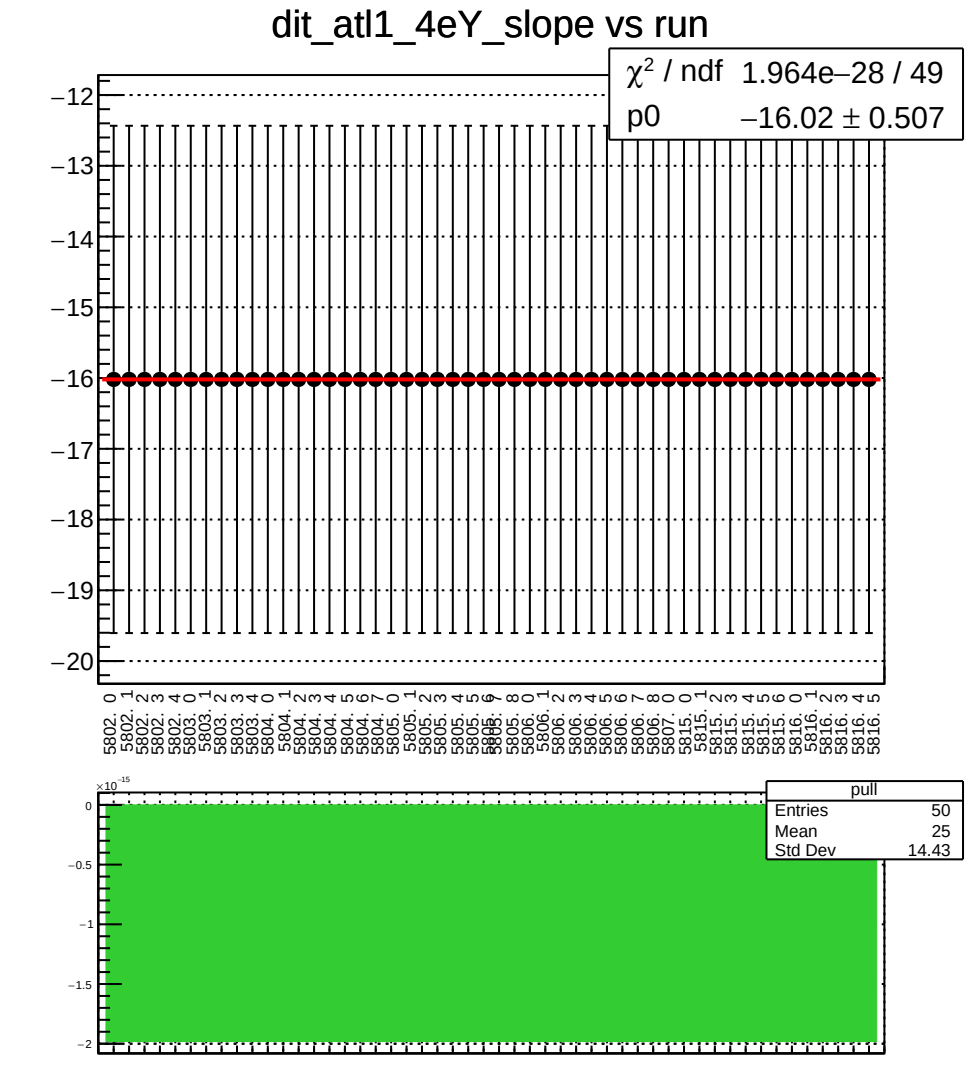

dit_atl1_4eX_slope vs run
χ² / ndf 1.059e−27 / 49
p0 226.1 ± 0.8734
232
230
228
226
224
222
220
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −4.602e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

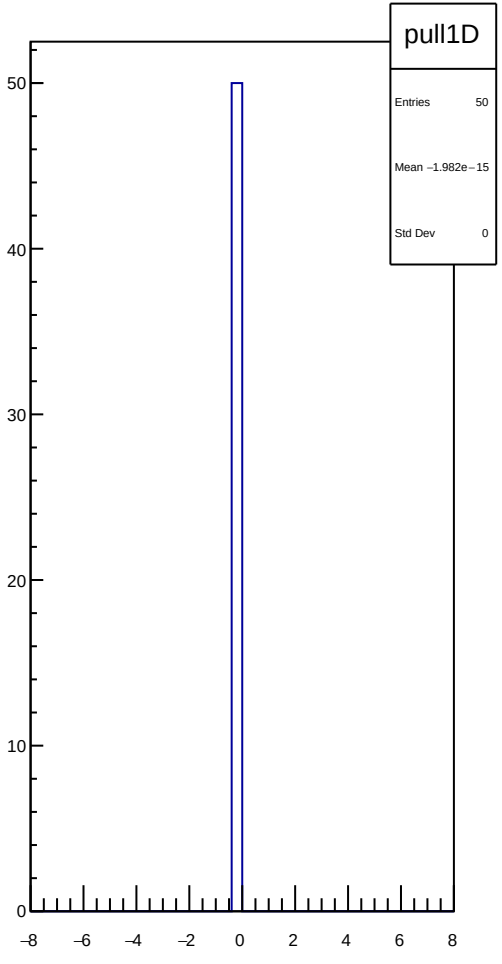

dit_atl1_11X12X_slope vs run
χ² / ndf 2.924e−26 / 49
p0 −53.94 ± 0.08311
−53.4
−53.6
−53.8
−54
−54.2
−54.4
−54.6
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−5
−10
−15
−20
−25

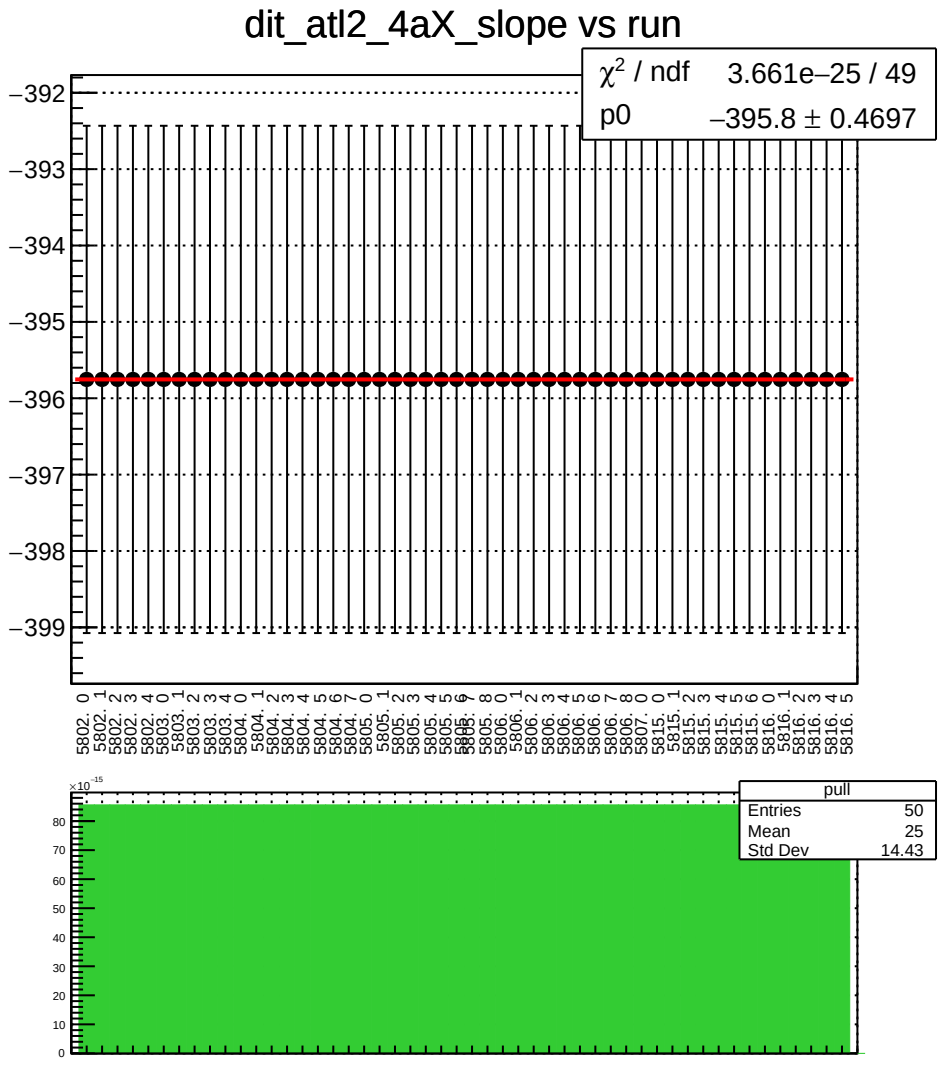

pull1D
Entries 50
Mean −2.418e−14
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

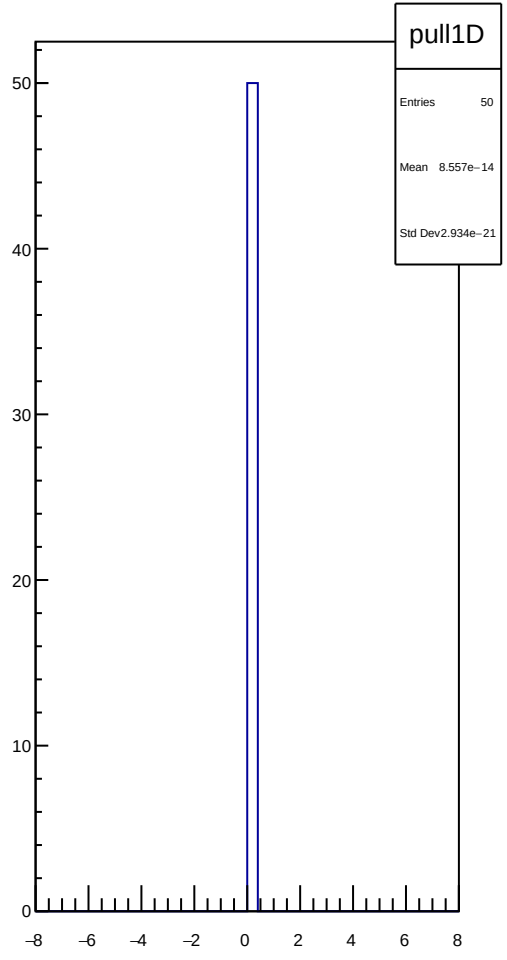

dit_atl1_4aY_slope vs run
χ² / ndf 2.829e−28 / 49
p0 6.13 ± 0.4753
pull
Entries 50
Mean 25
Std Dev 14.43

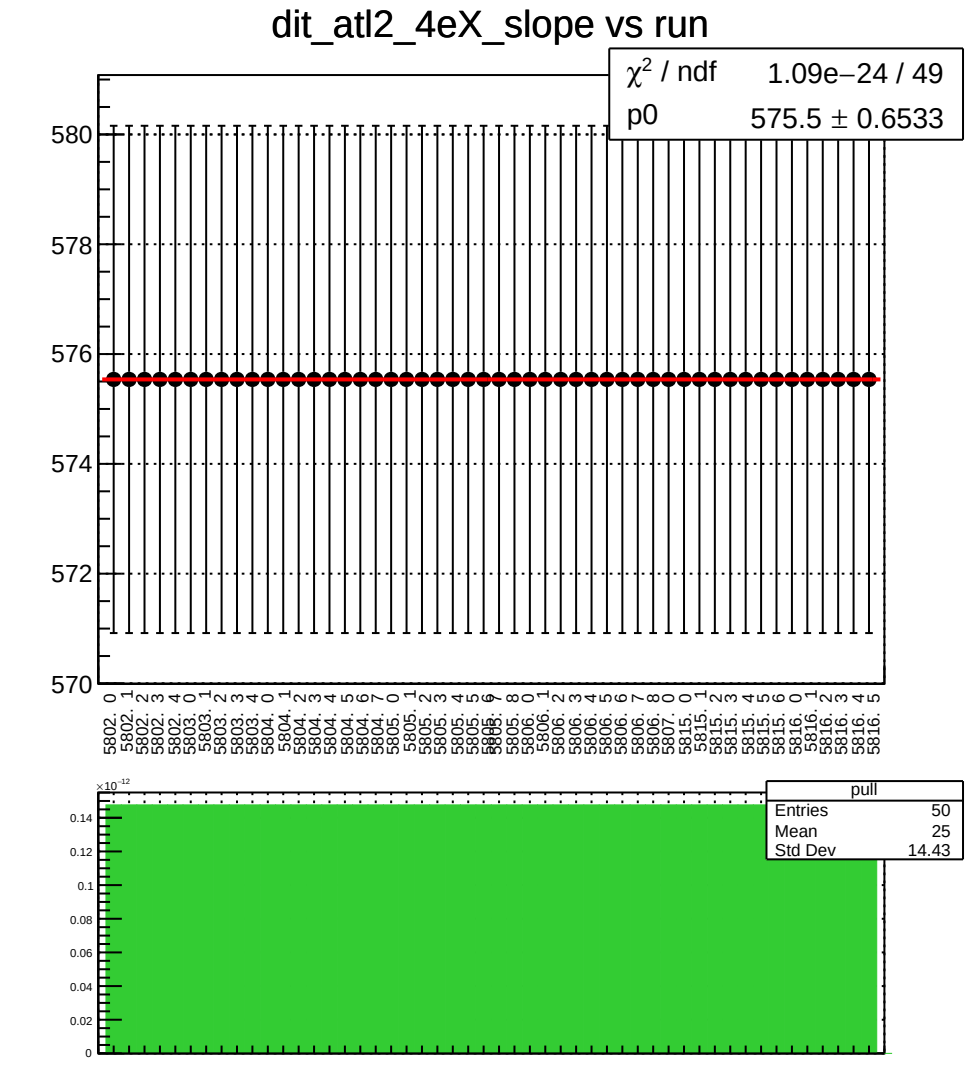

pull1D
Entries 50
Mean −2.378e−15
Std Dev7.003e−23

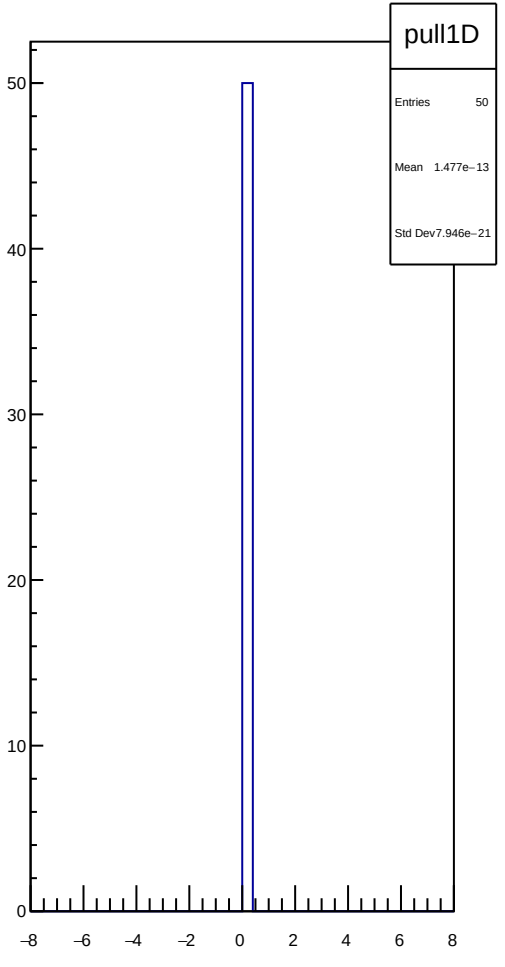

dit_atl1_4eY_slope vs run
χ² / ndf 1.964e−28 / 49
p0 −16.02 ± 0.507
pull
Entries 50
Mean 25
Std Dev 14.43

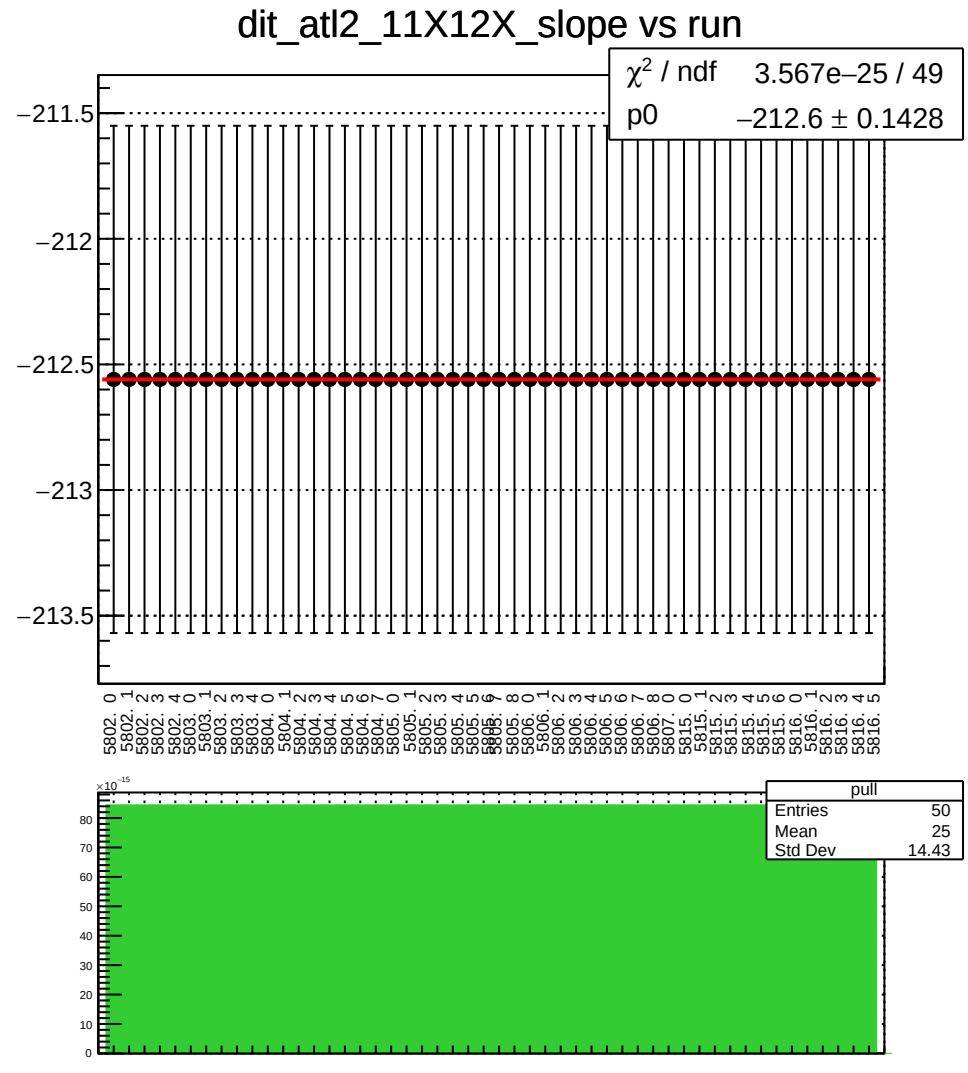

pull1D
Entries 50
Mean −1.982e−15
Std Dev 0

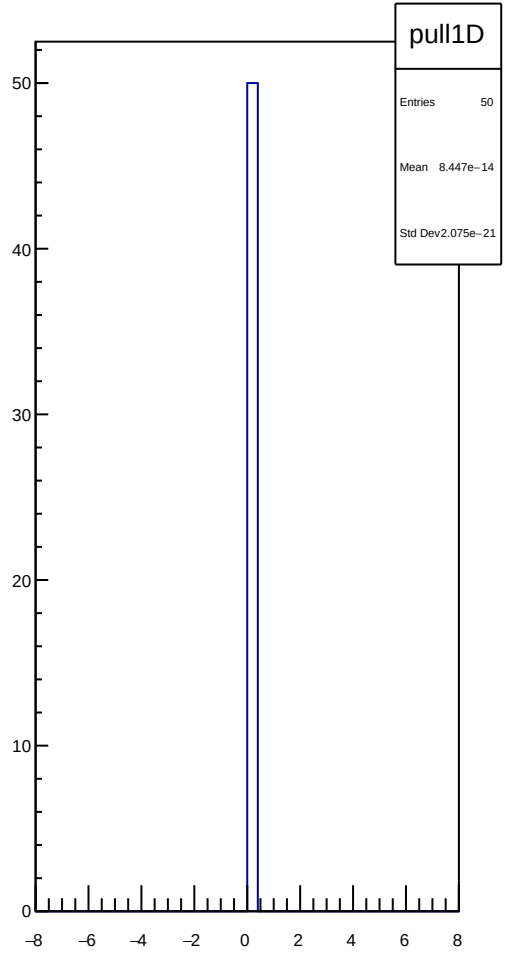

dit_atl2_4aX_slope vs run
χ² / ndf 3.661e−25 / 49
p0 −395.8 ± 0.4697
−392
−393
−394
−395
−396
−397
−398
−399
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

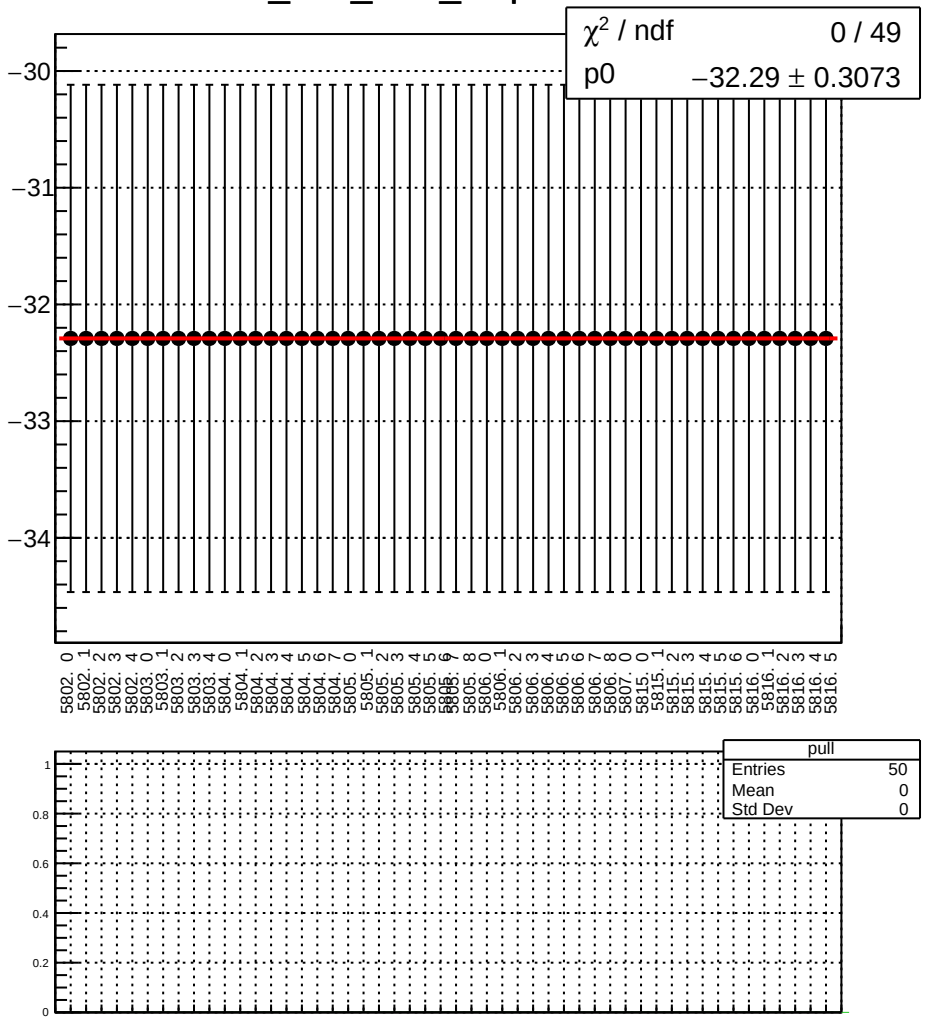

pull1D
Entries 50
Mean 8.557e−14
Std Dev2.934e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

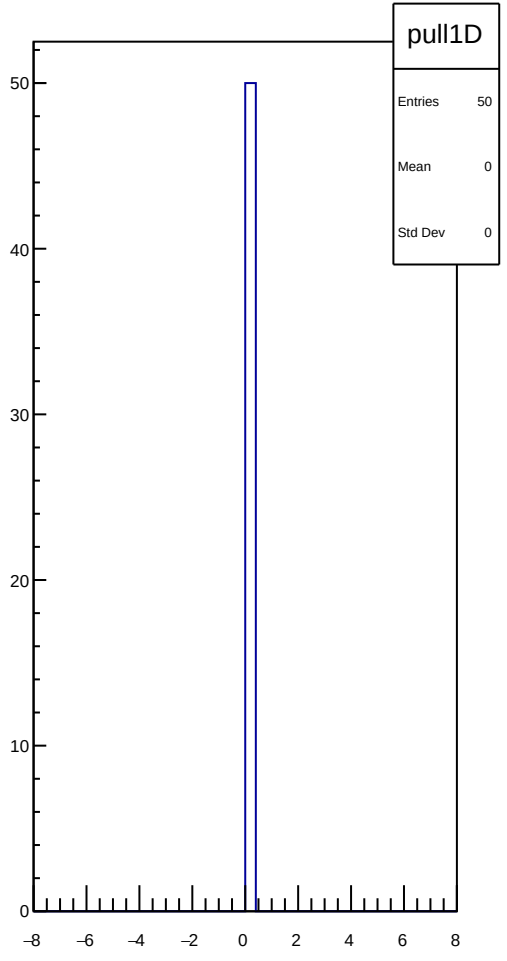

dit_atl2_4eX_slope vs run
χ² / ndf 1.09e−24 / 49
p0 575.5 ± 0.6533
580
578
576
574
572
570
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

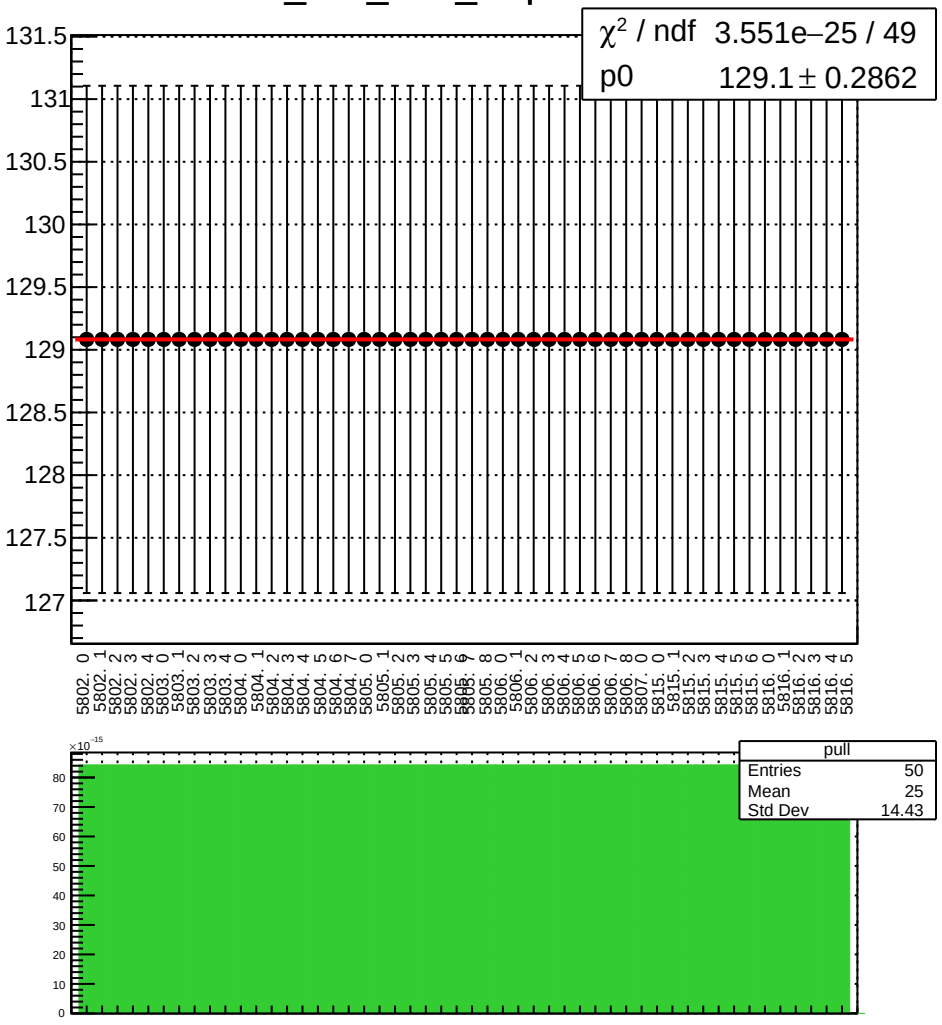

pull1D
Entries 50
Mean 1.477e−13
Std Dev7.946e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

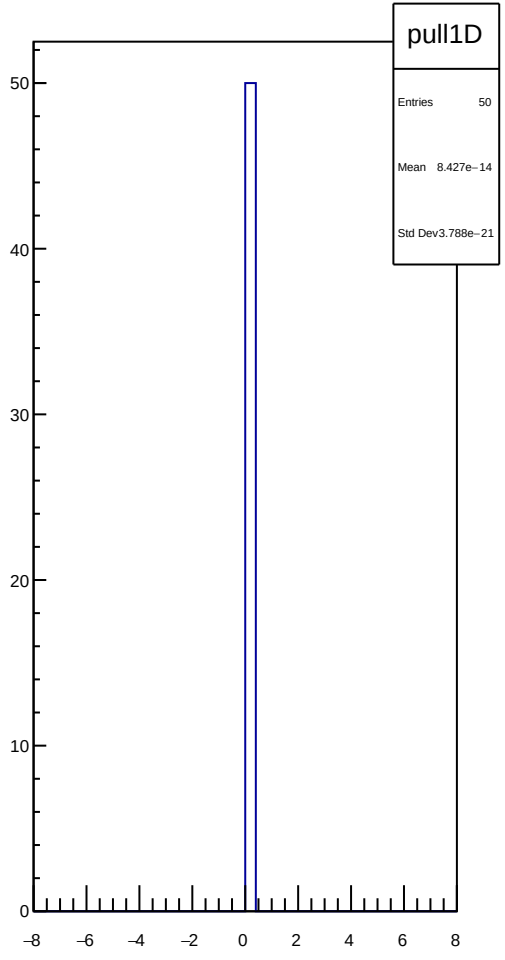

dit_atl2_11X12X_slope vs run
χ² / ndf 3.567e−25 / 49
p0 −212.6 ± 0.1428
−211.5
−212
−212.5
−213
−213.5
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

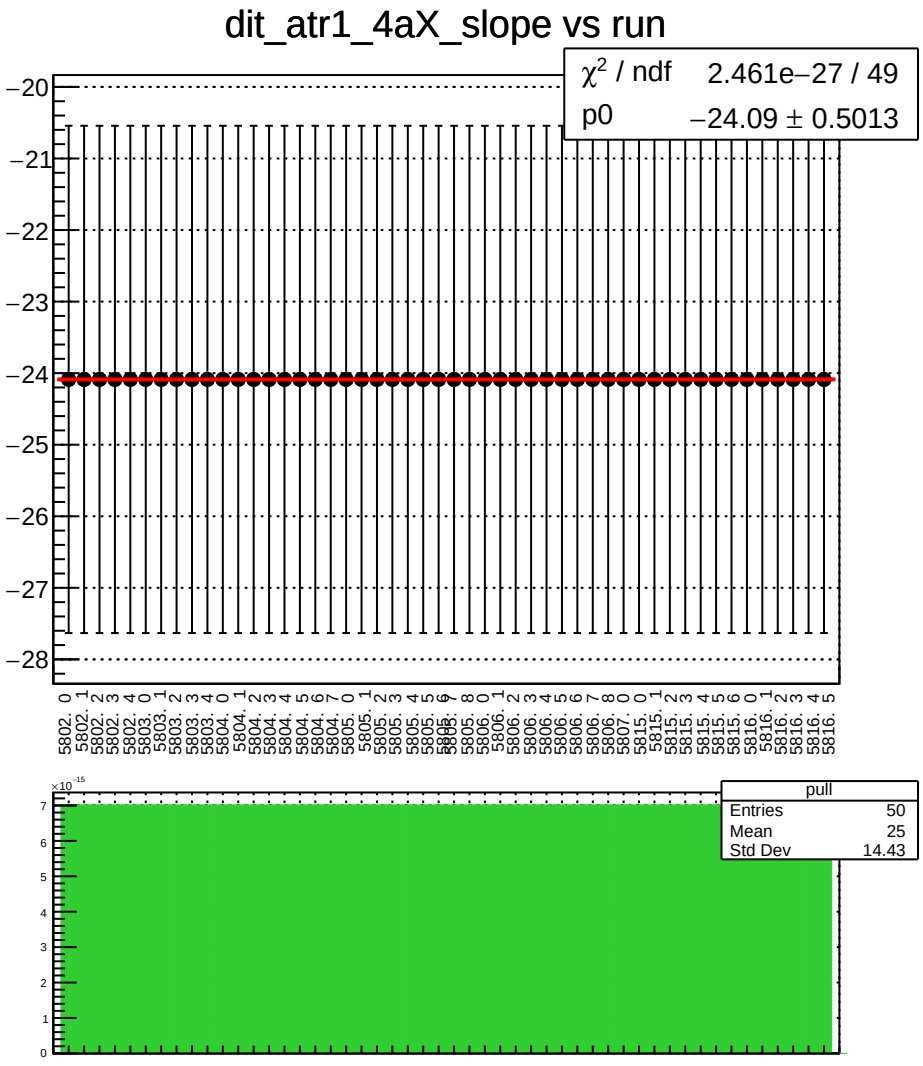

pull1D
Entries 50
Mean 8.447e−14
Std Dev2.075e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

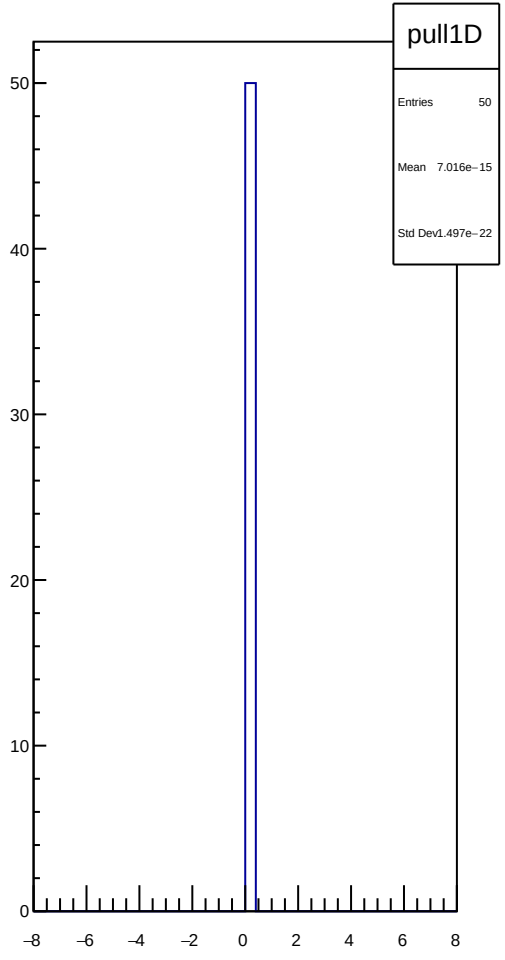

dit_atl2_4aY_slope vs run
χ^2 / ndf 0 / 49
p0 −32.29 ± 0.3073
−30
−31
−32
−33
−34
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

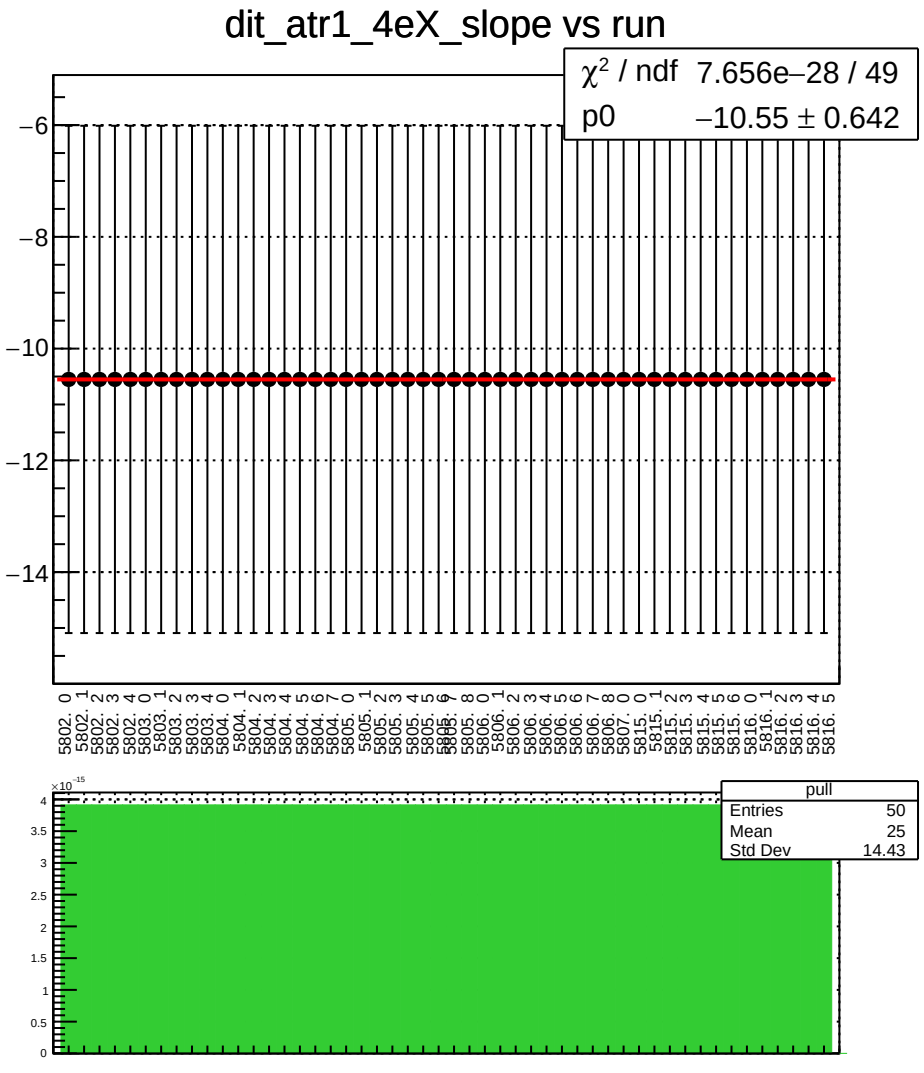

pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

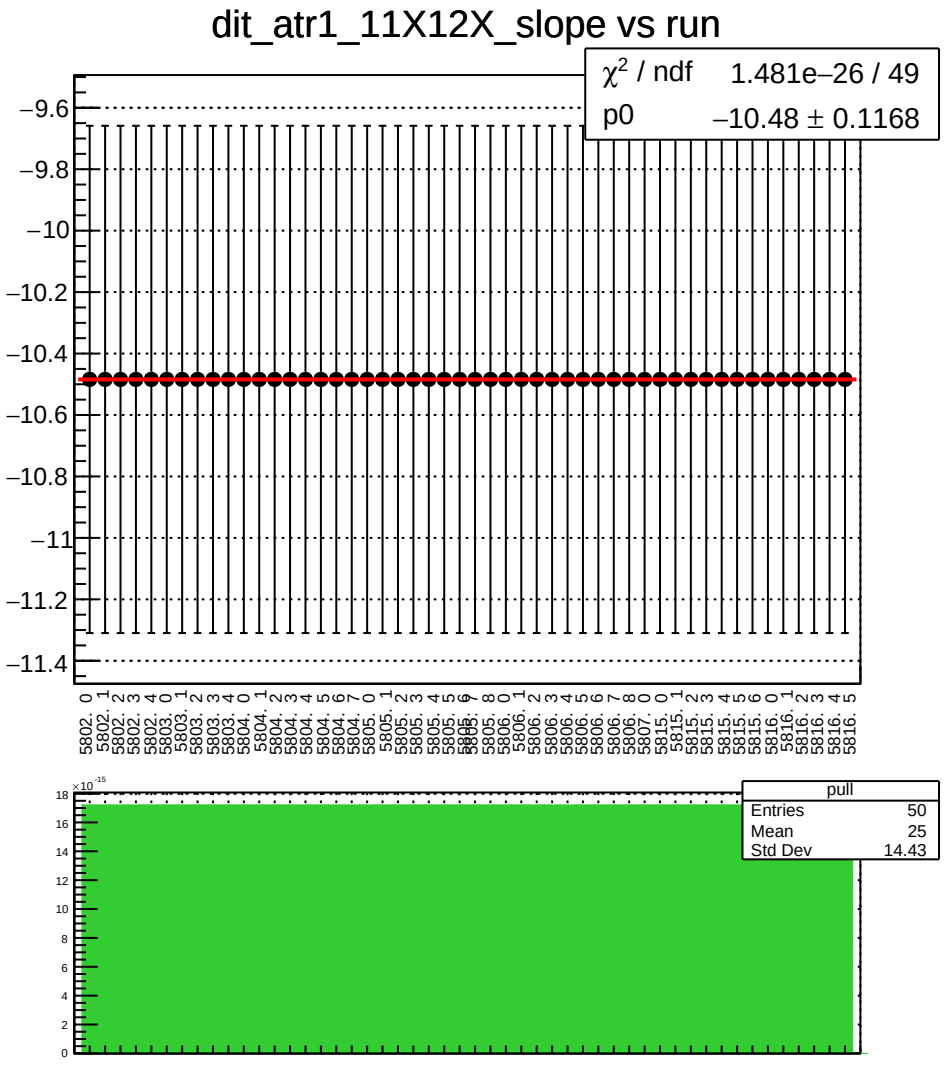

dit_atl2_4eY_slope vs run
χ^2 / ndf 3.551e−25 / 49
p0 129.1 ± 0.2862
131.5
131
130.5
130
129.5
129
128.5
128
127.5
127
pull
Entries 50
Mean 25
Std Dev 14.43
×10^-15
80
70
60
50
40
30
20
10
0

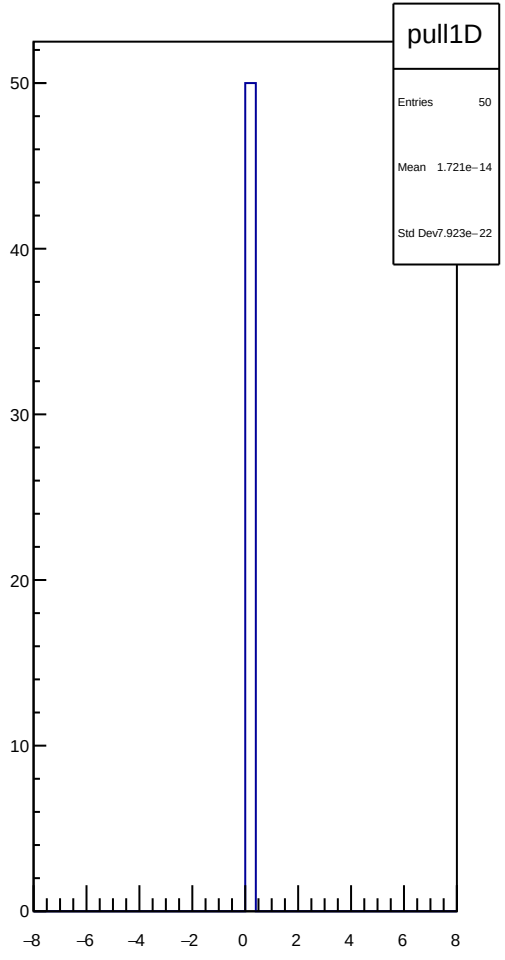

pull1D
Entries 50
Mean 8.427e−14
Std Dev3.788e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

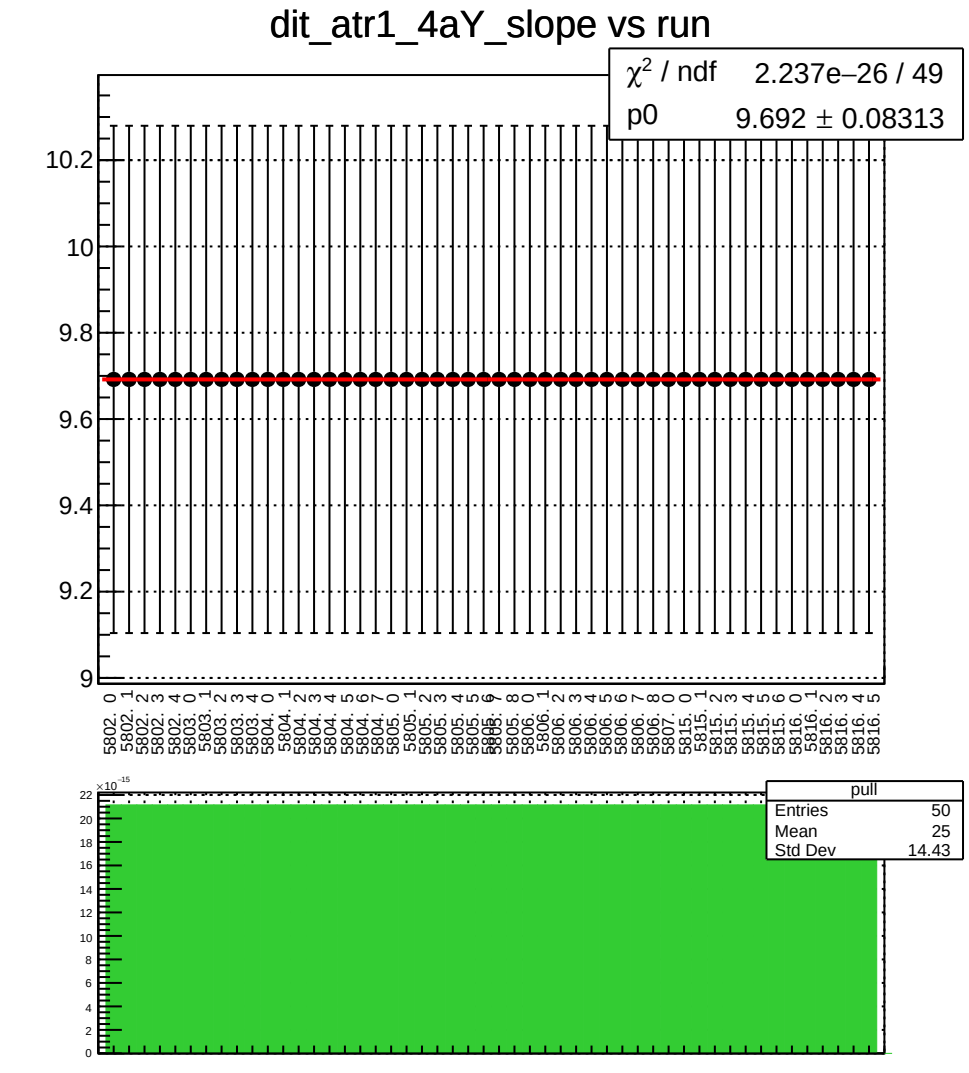

dit_atr1_4aX_slope vs run
χ² / ndf 2.461e−27 / 49
p0 −24.09 ± 0.5013
pull
Entries 50
Mean 25
Std Dev 14.43

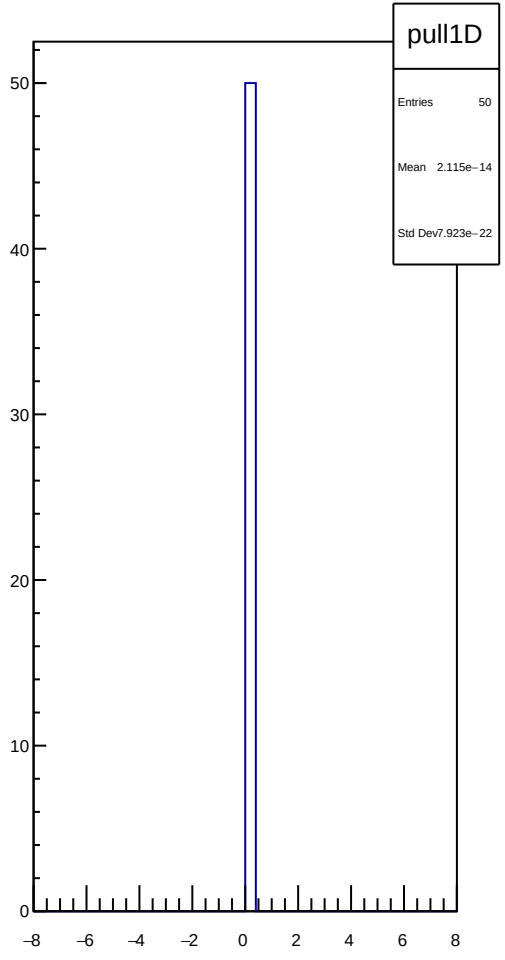

pull1D
Entries 50
Mean 7.016e−15
Std Dev1.497e−22

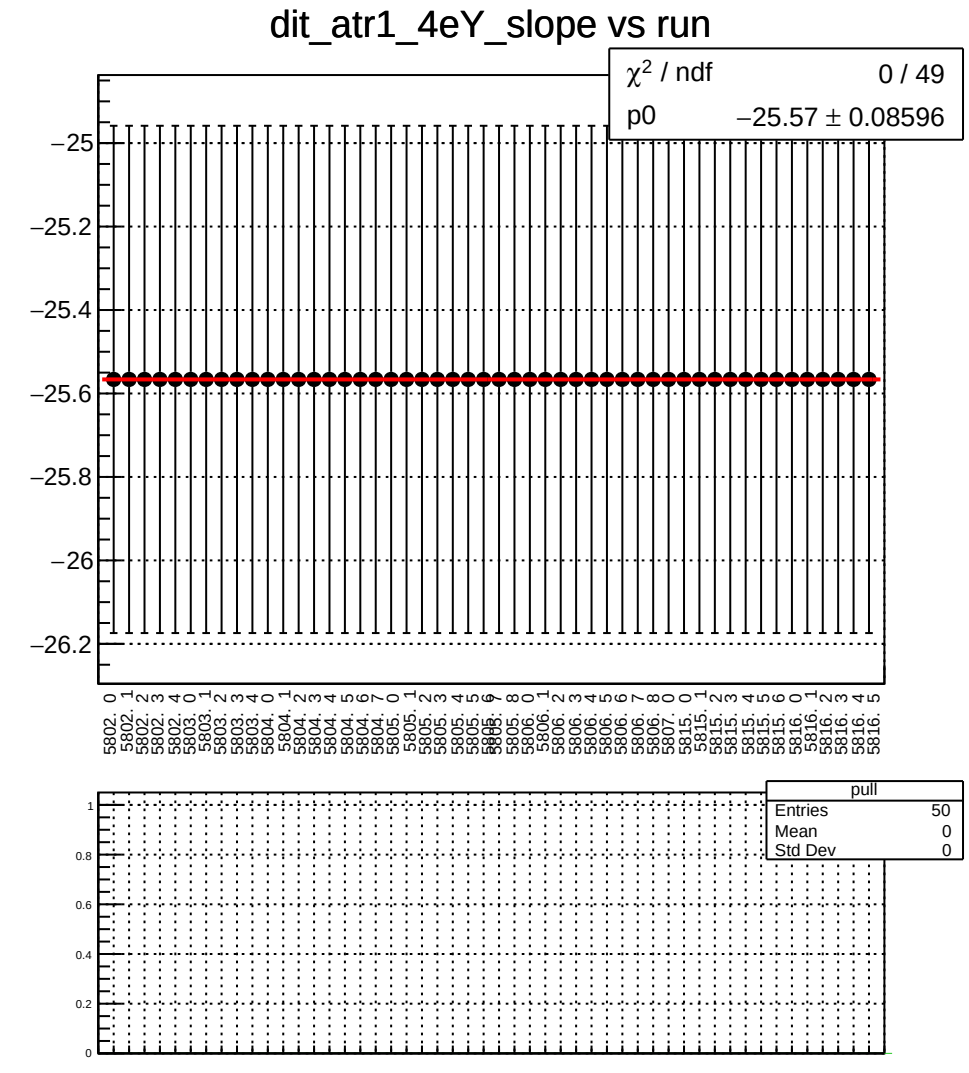

dit_atr1_4eX_slope vs run
χ² / ndf 7.656e−28 / 49
p0 −10.55 ± 0.642
−6
−8
−10
−12
−14
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
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
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 3.913e−15
Std Dev1.674e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

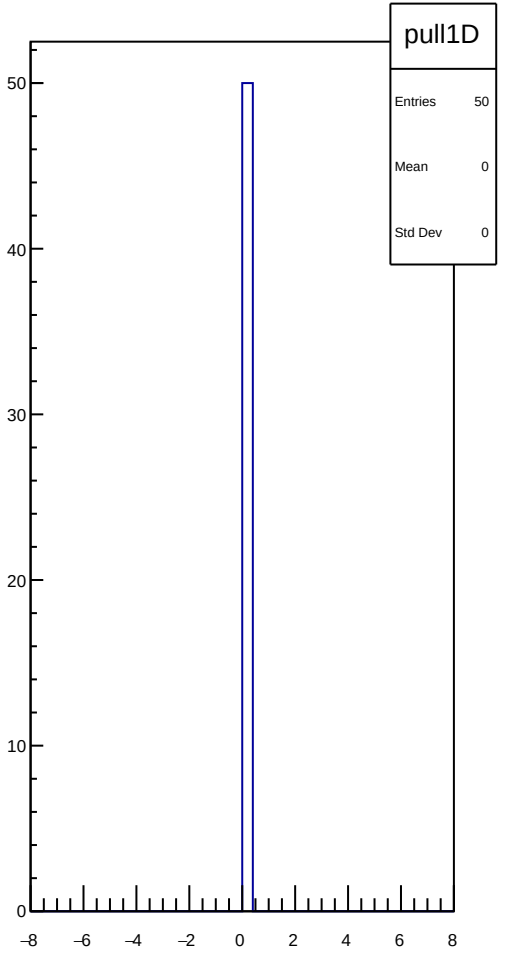

dit_atr1_11X12X_slope vs run
χ² / ndf 1.481e−26 / 49
p0 −10.48 ± 0.1168
−9.6
−9.8
−10
−10.2
−10.4
−10.6
−10.8
−11
−11.2
−11.4
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
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
18
16
14
12
10
8
6
4
2
0
pull
Entries 50
Mean 25
Std Dev 14.43

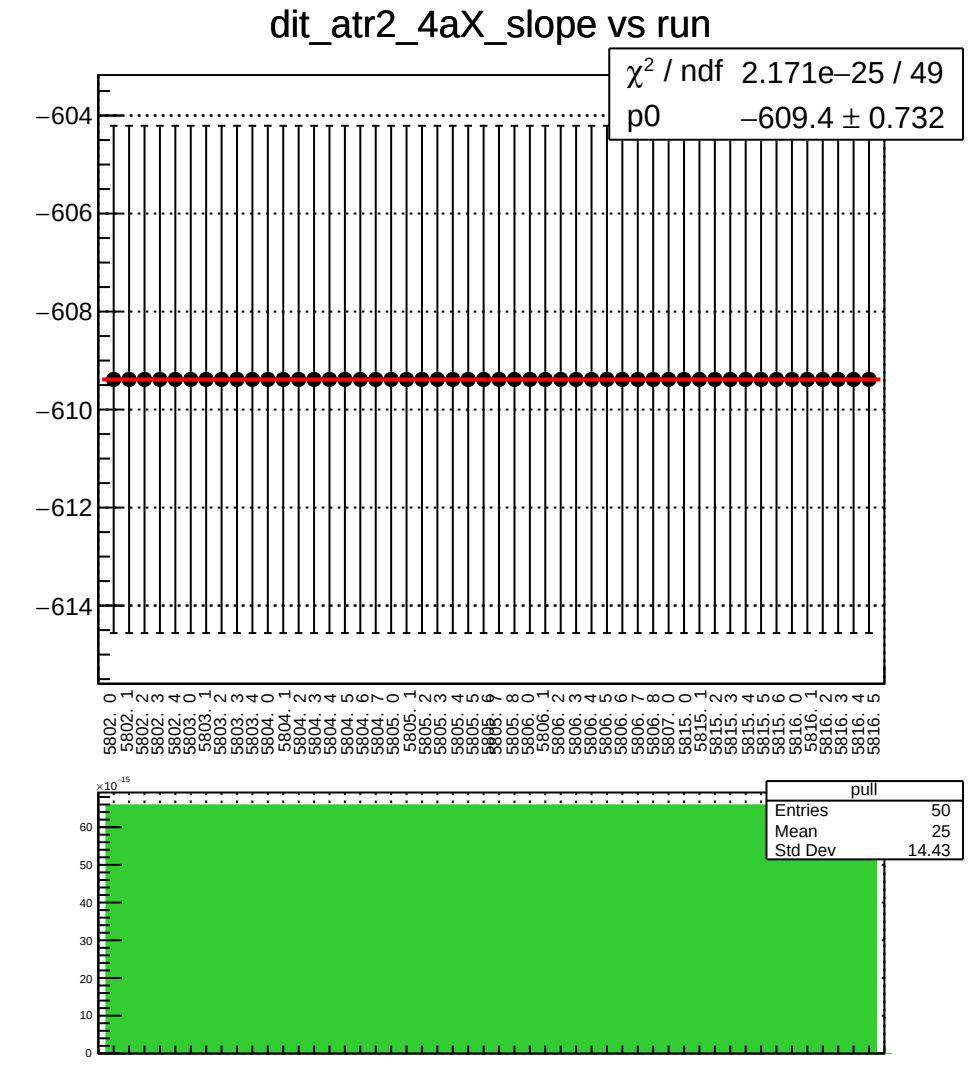

pull1D
Entries 50
Mean 1.721e−14
Std Dev7.923e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

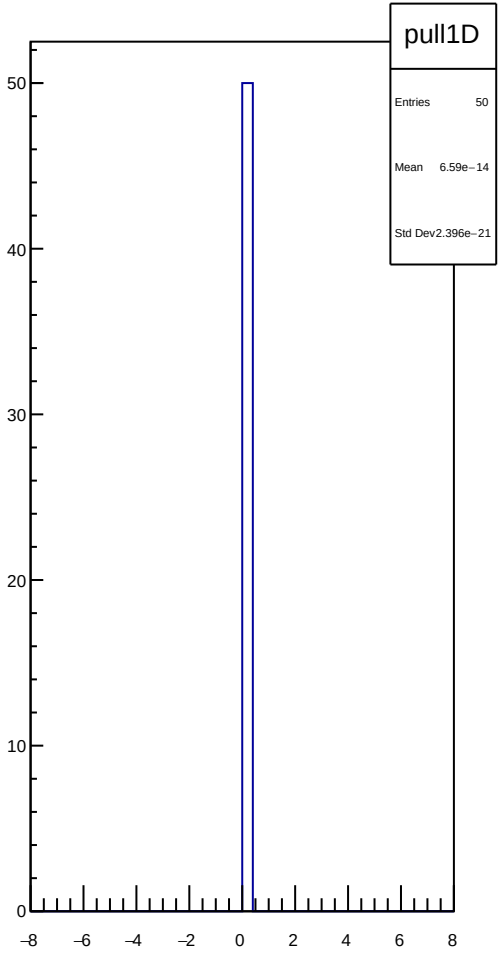

dit_atr1_4aY_slope vs run
χ² / ndf 2.237e−26 / 49
p0 9.692 ± 0.08313
10.2
10
9.8
9.6
9.4
9.2
9
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

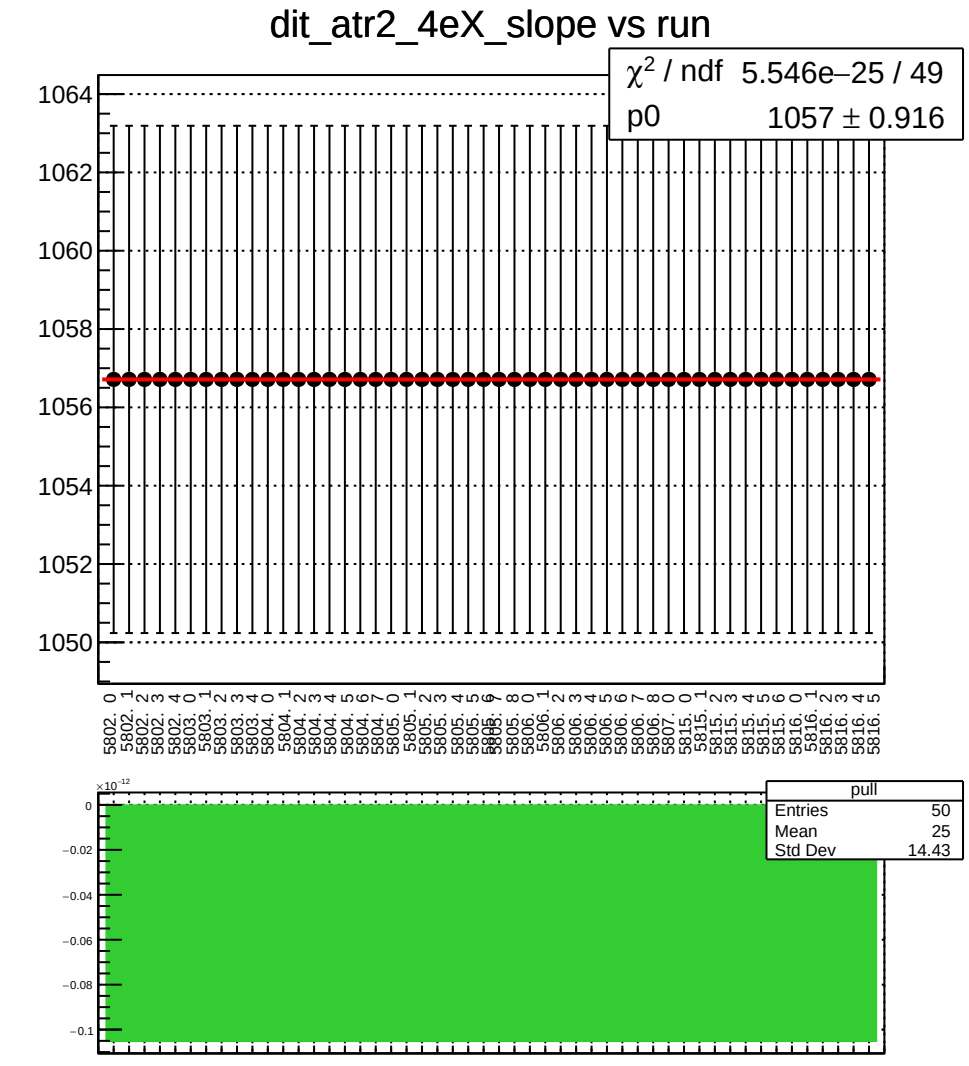

pull1D
Entries 50
Mean 2.115e−14
Std Dev 7.923e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

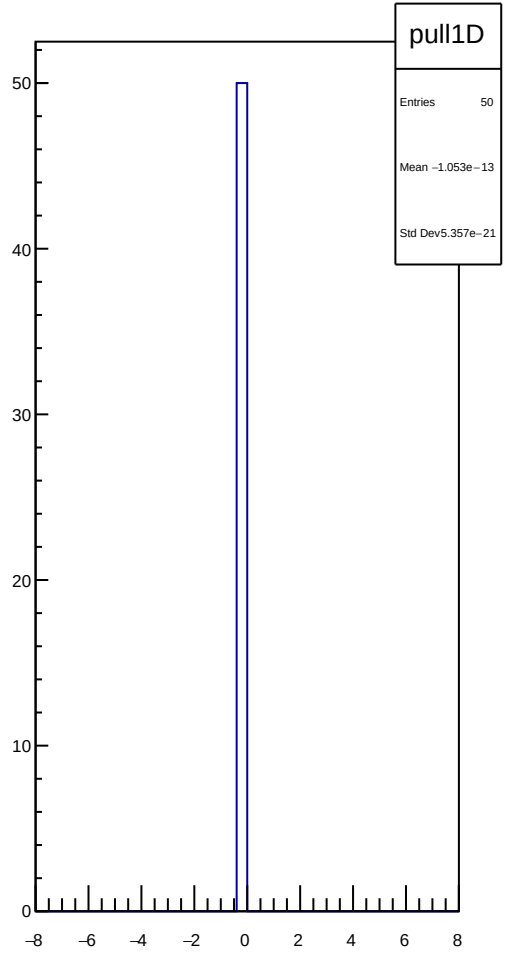

dit_atr1_4eY_slope vs run
χ² / ndf 0 / 49
p0 −25.57 ± 0.08596
−25
−25.2
−25.4
−25.6
−25.8
−26
−26.2
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

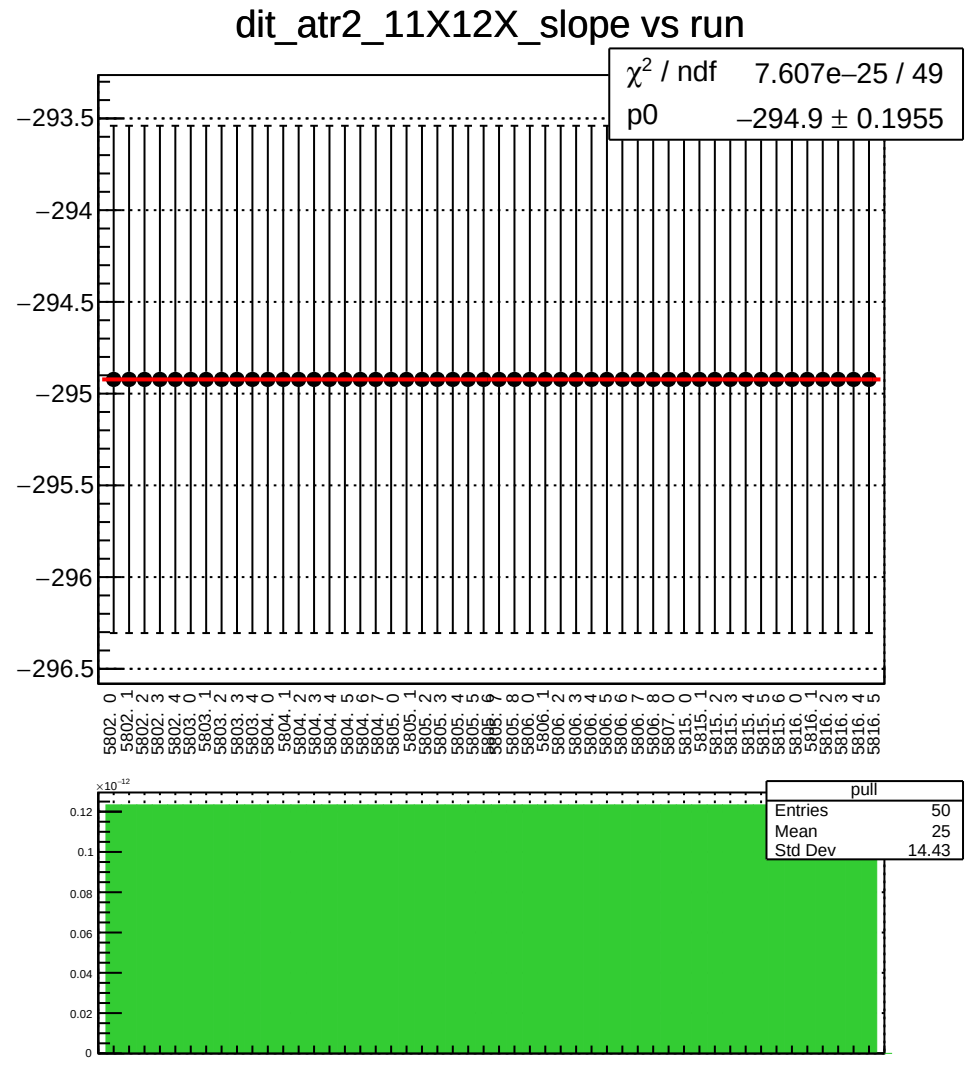

pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

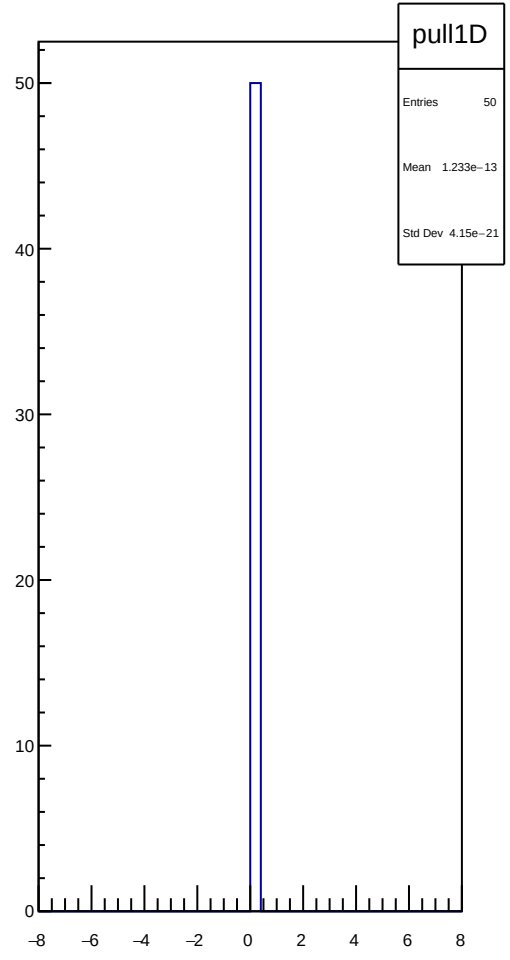

dit_atr2_4aX_slope vs run
χ² / ndf 2.171e−25 / 49
p0 −609.4 ± 0.732
−604
−606
−608
−610
−612
−614
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
60
50
40
30
20
10
0

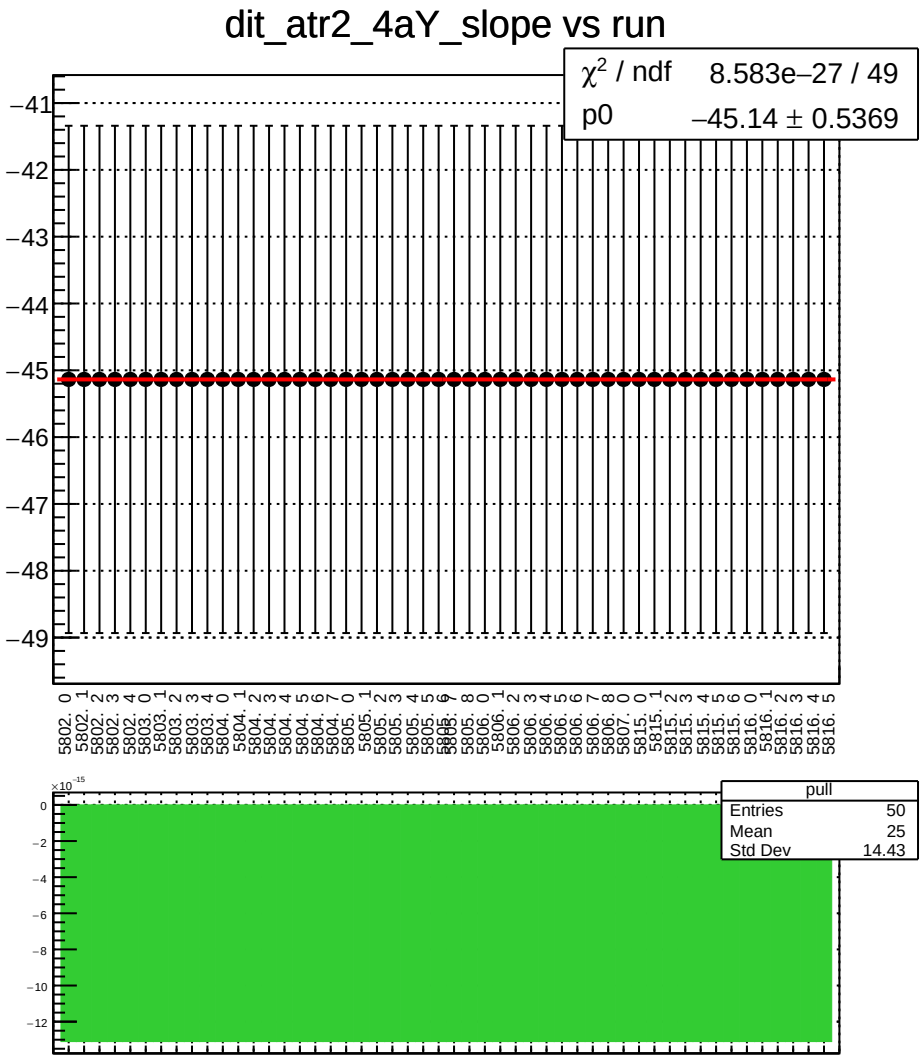

pull1D
Entries 50
Mean 6.59e−14
Std Dev2.396e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

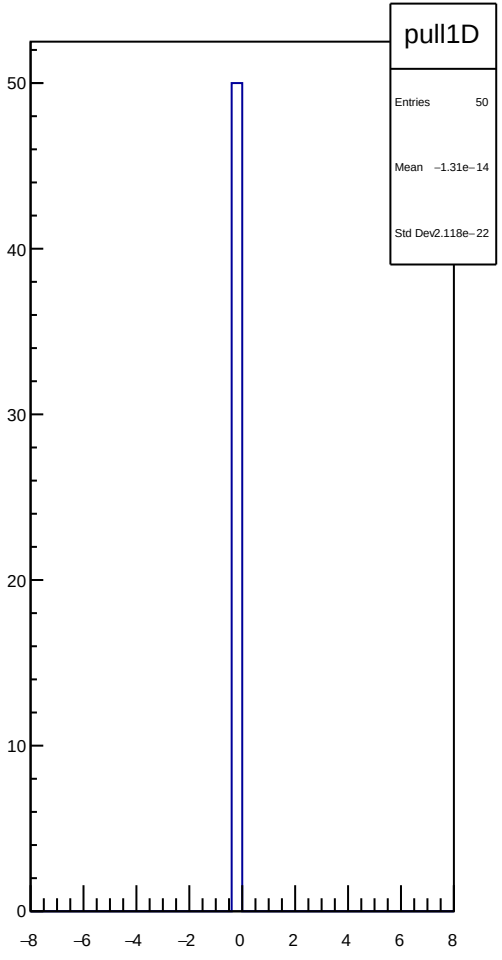

dit_atr2_4eX_slope vs run
χ² / ndf 5.546e−25 / 49
p0 1057 ± 0.916
1064
1062
1060
1058
1056
1054
1052
1050
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 50
Mean 25
Std Dev 14.43

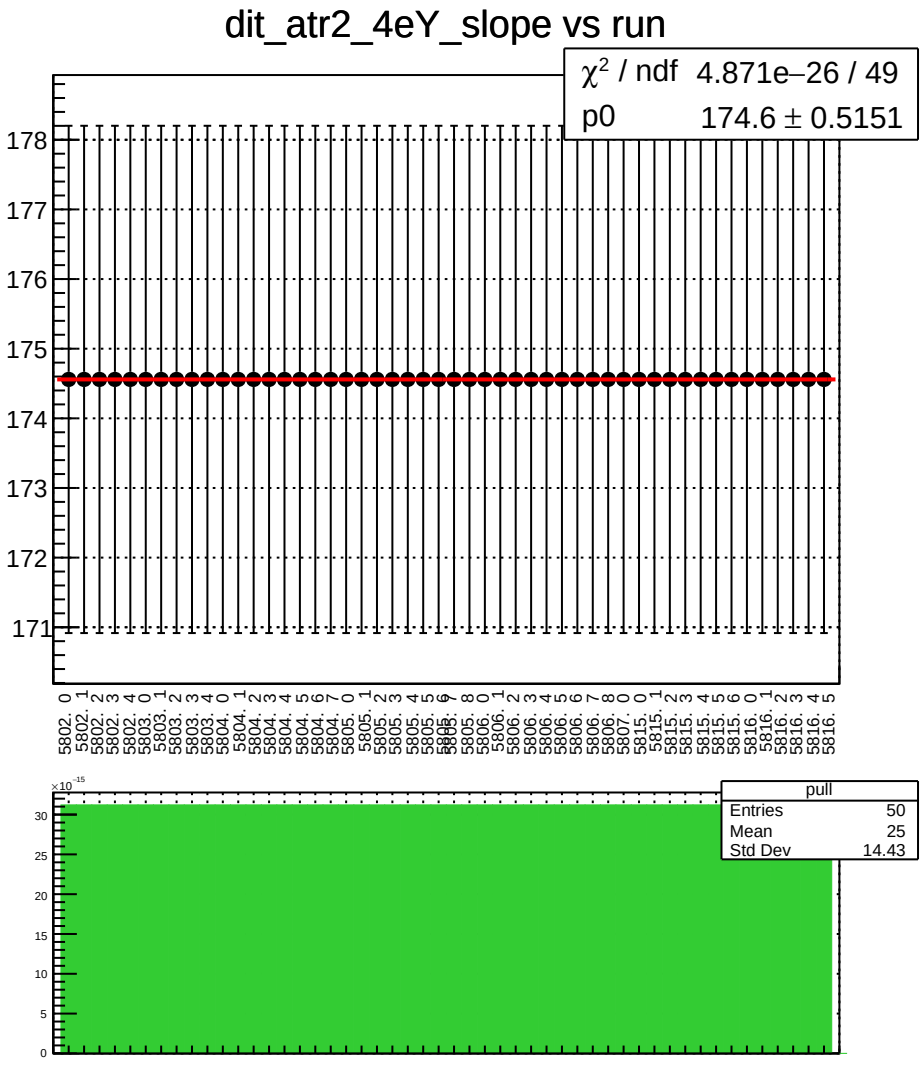

pull1D
Entries 50
Mean −1.053e−13
Std Dev5.357e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

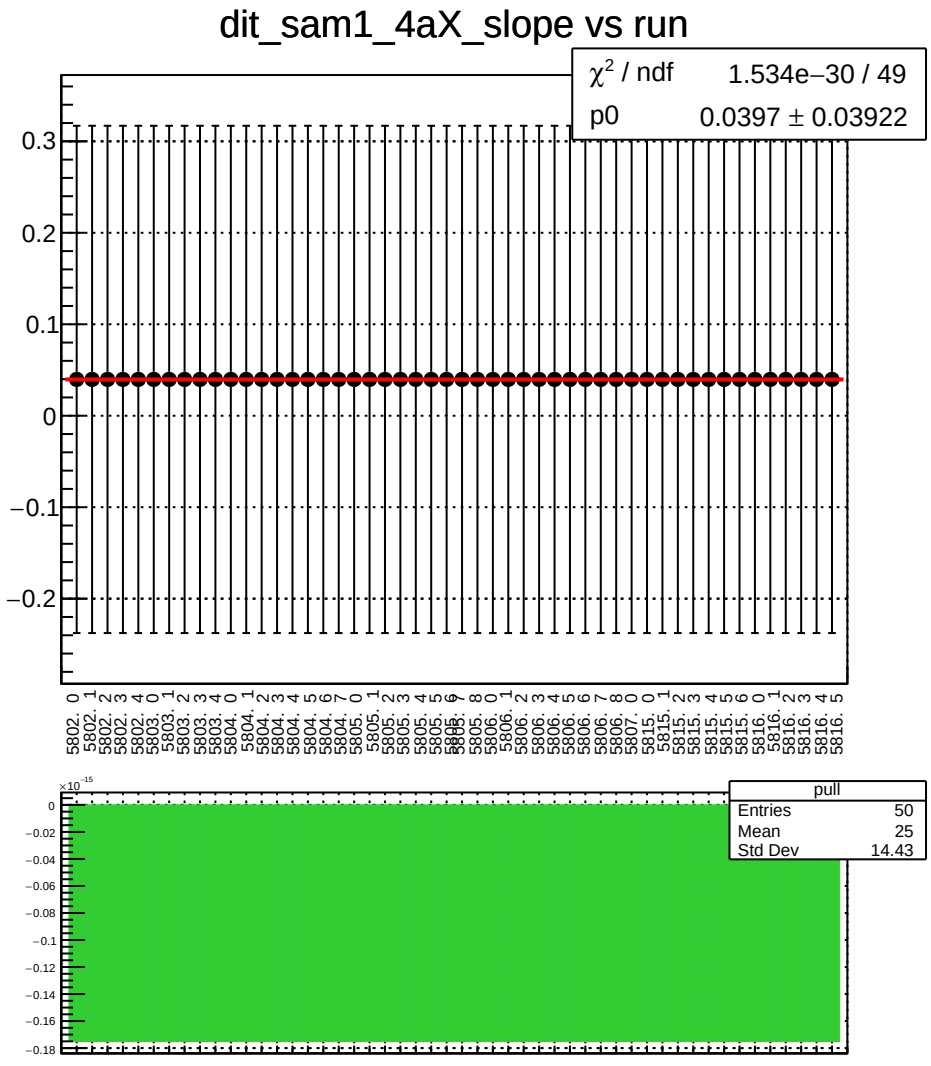

dit_atr2_11X12X_slope vs run
χ² / ndf 7.607e−25 / 49
p0 −294.9 ± 0.1955
−293.5
−294
−294.5
−295
−295.5
−296
−296.5
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

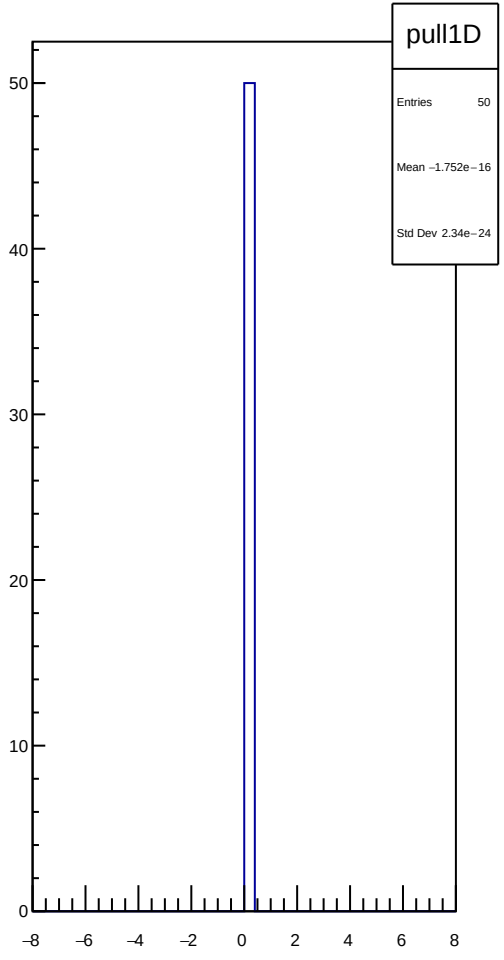

pull1D
Entries 50
Mean 1.233e−13
Std Dev 4.15e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

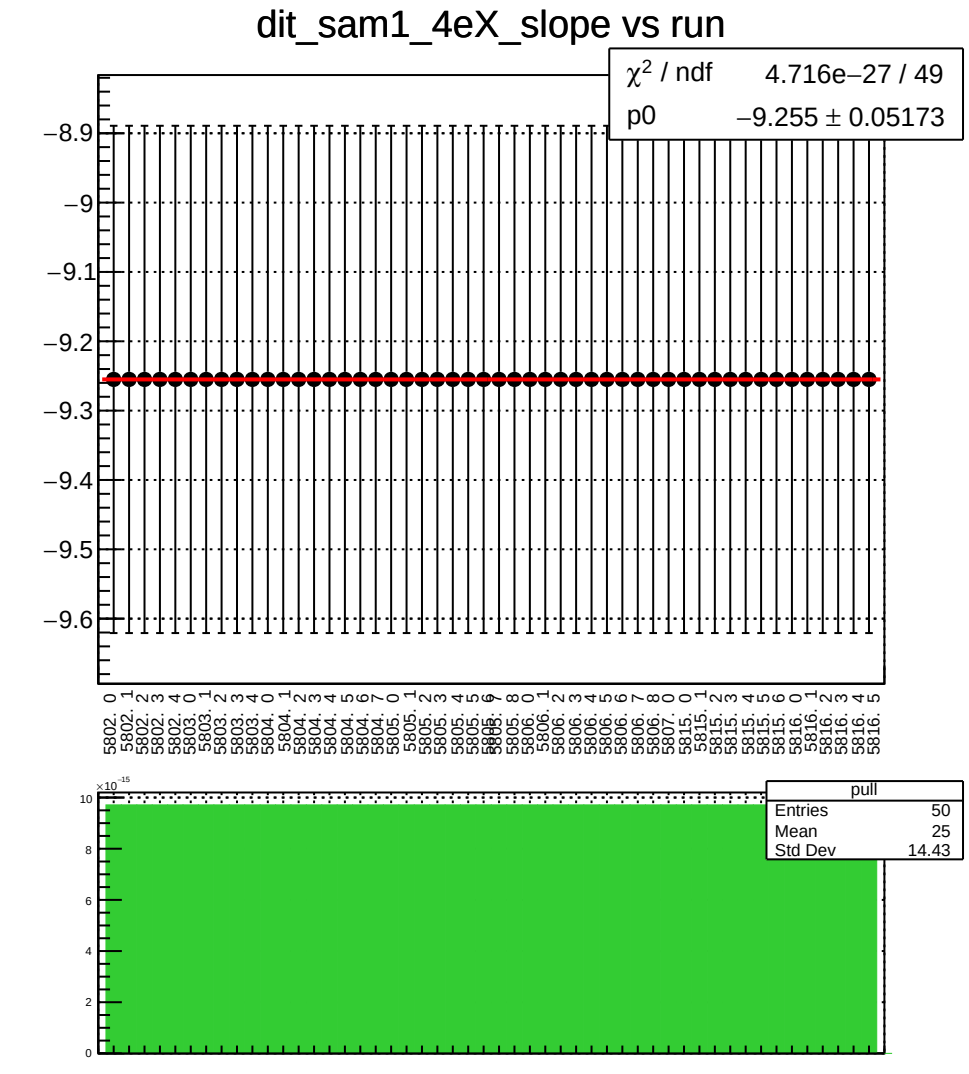

dit_atr2_4aY_slope vs run
χ² / ndf 8.583e−27 / 49
p0 −45.14 ± 0.5369
−41
−42
−43
−44
−45
−46
−47
−48
−49
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

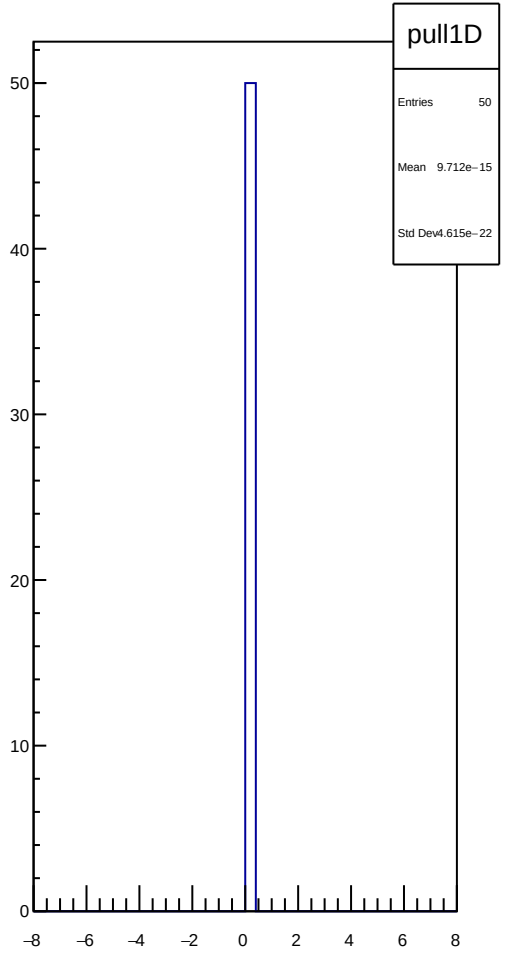

pull1D
Entries 50
Mean −1.31e−14
Std Dev 2.118e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

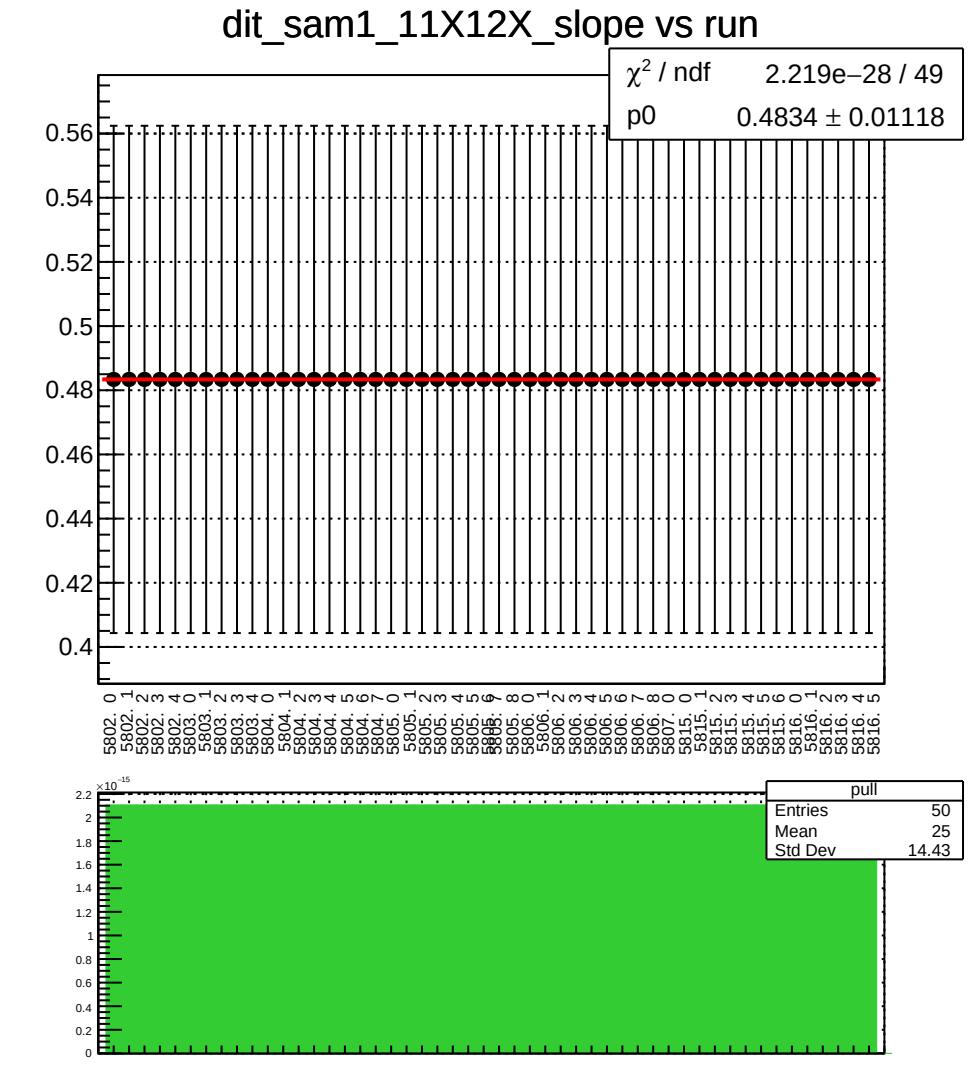

dit_atr2_4eY_slope vs run
χ² / ndf 4.871e−26 / 49
p0 174.6 ± 0.5151
178
177
176
175
174
173
172
171
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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
30
25
20
15
10
5
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 3.121e−14
Std Dev 1.64e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

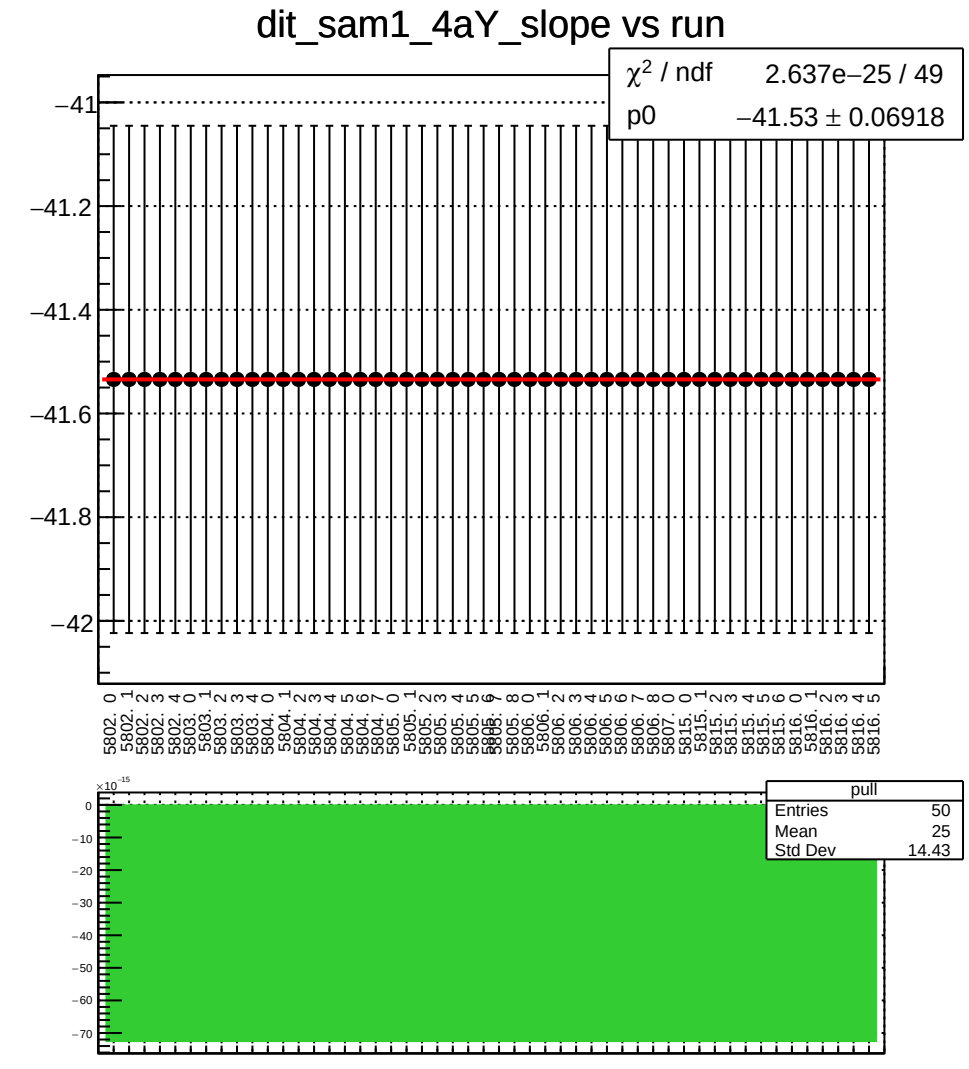

dit_sam1_4aX_slope vs run
χ² / ndf 1.534e−30 / 49
p0 0.0397 ± 0.03922
0.3
0.2
0.1
0
−0.1
−0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 50
Mean 25
Std Dev 14.43

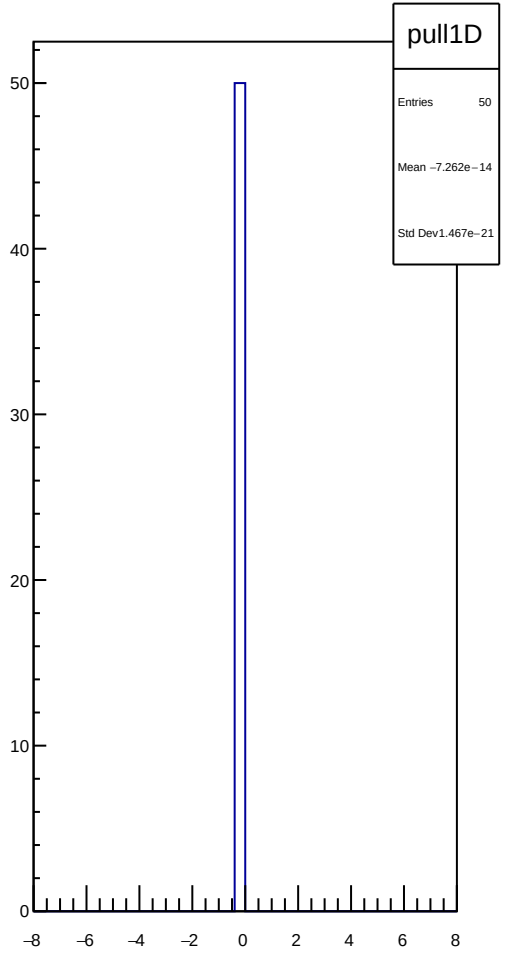

pull1D
Entries 50
Mean −1.752e−16
Std Dev 2.34e−24
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

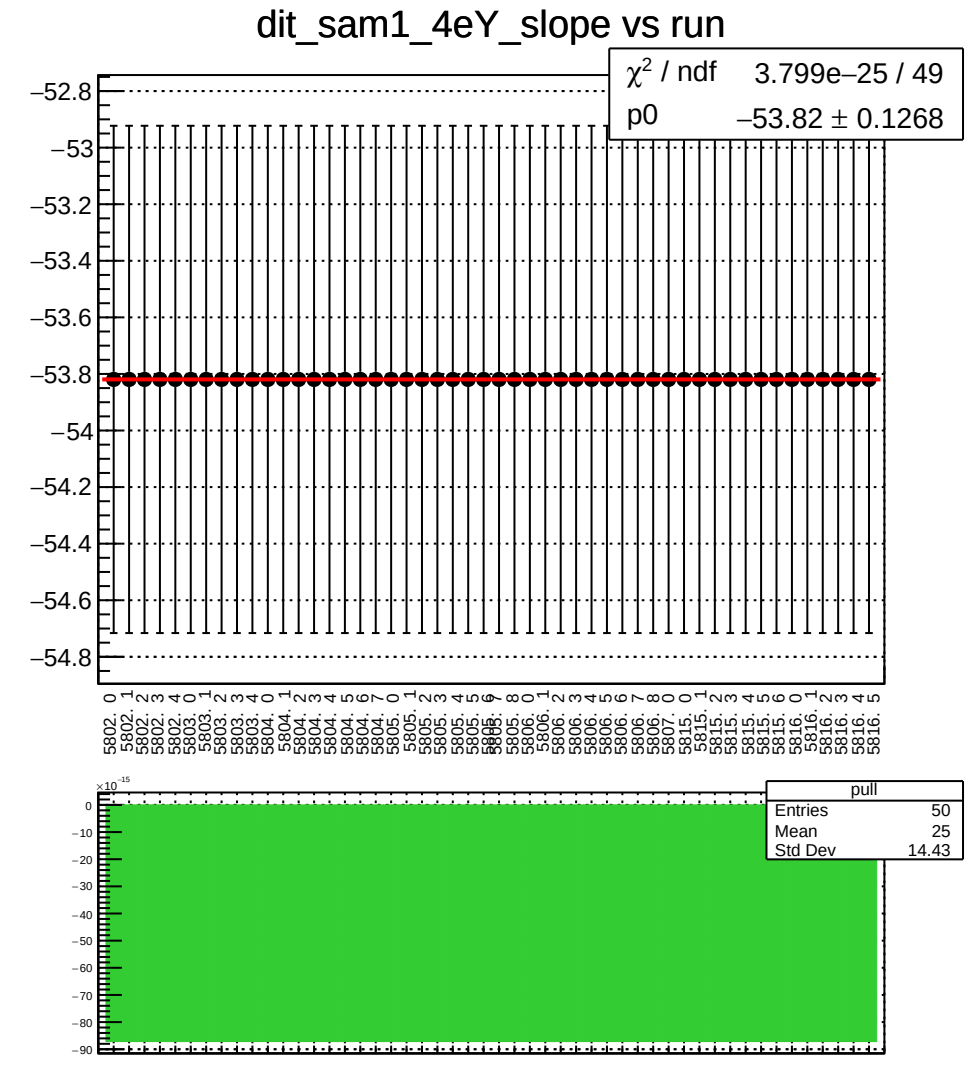

dit_sam1_4eX_slope vs run
χ² / ndf 4.716e−27 / 49
p0 −9.255 ± 0.05173
−8.9
−9
−9.1
−9.2
−9.3
−9.4
−9.5
−9.6
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
10
8
6
4
2
0

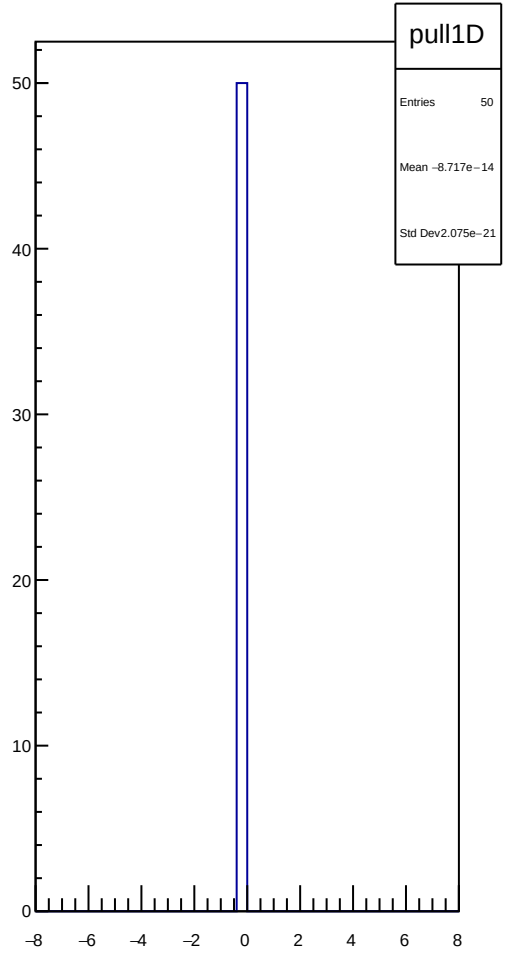

pull1D
Entries 50
Mean 9.712e−15
Std Dev 4.615e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

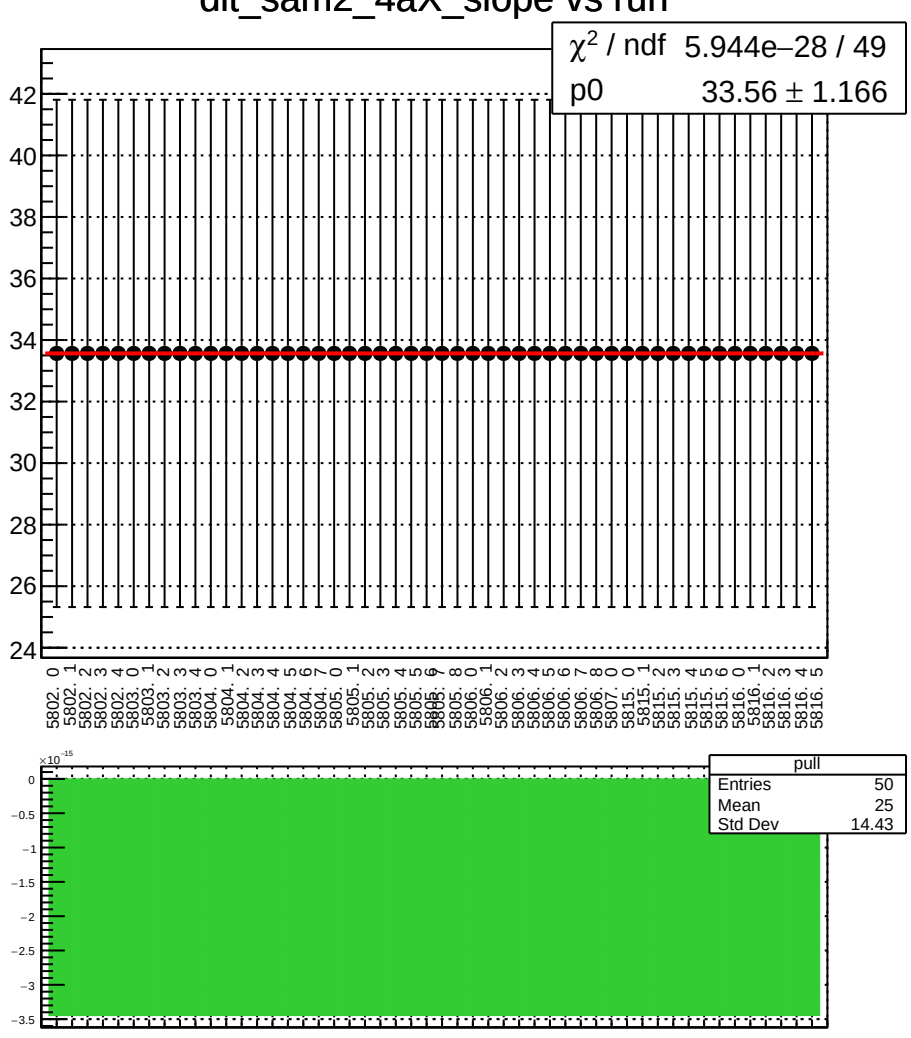

dit_sam1_11X12X_slope vs run
χ² / ndf 2.219e−28 / 49
p0 0.4834 ± 0.01118
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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
2.2
2
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 2.107e−15
Std Dev1.025e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

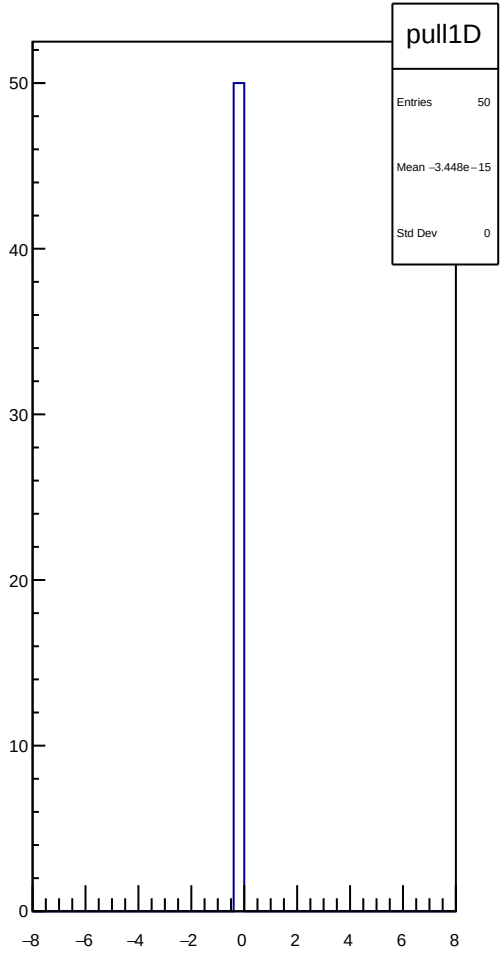

dit_sam1_4aY_slope vs run
χ² / ndf 2.637e−25 / 49
p0 −41.53 ± 0.06918
−41
−41.2
−41.4
−41.6
−41.8
−42
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

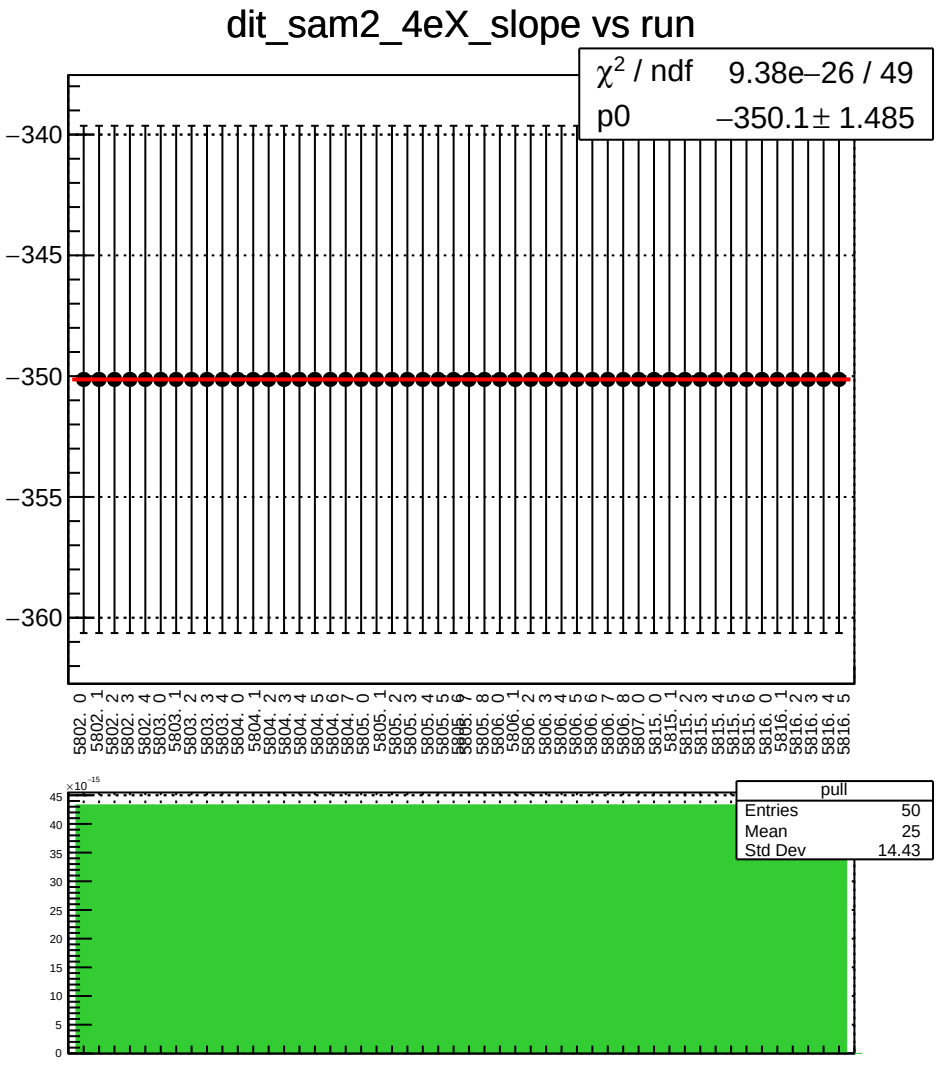

pull1D
Entries 50
Mean −7.262e−14
Std Dev1.467e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

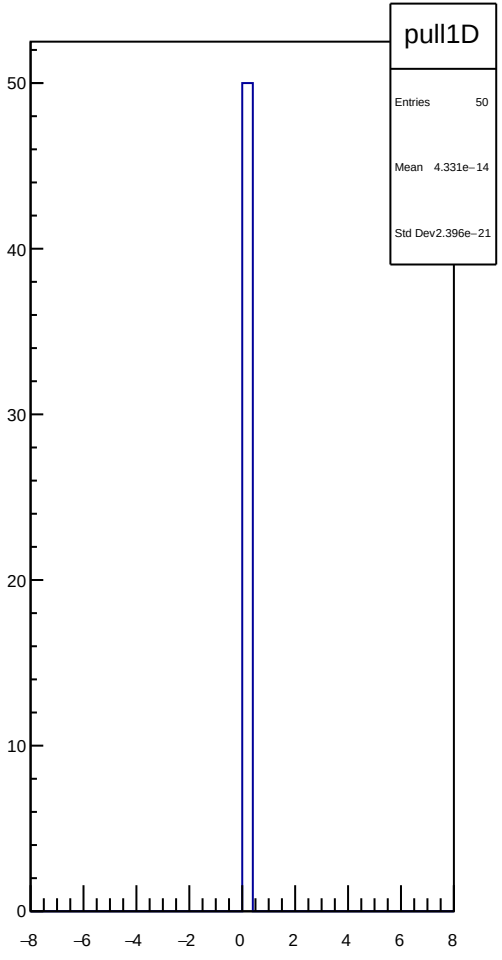

dit_sam1_4eY_slope vs run
χ² / ndf 3.799e−25 / 49
p0 −53.82 ± 0.1268
−52.8
−53
−53.2
−53.4
−53.6
−53.8
−54
−54.2
−54.4
−54.6
−54.8
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90

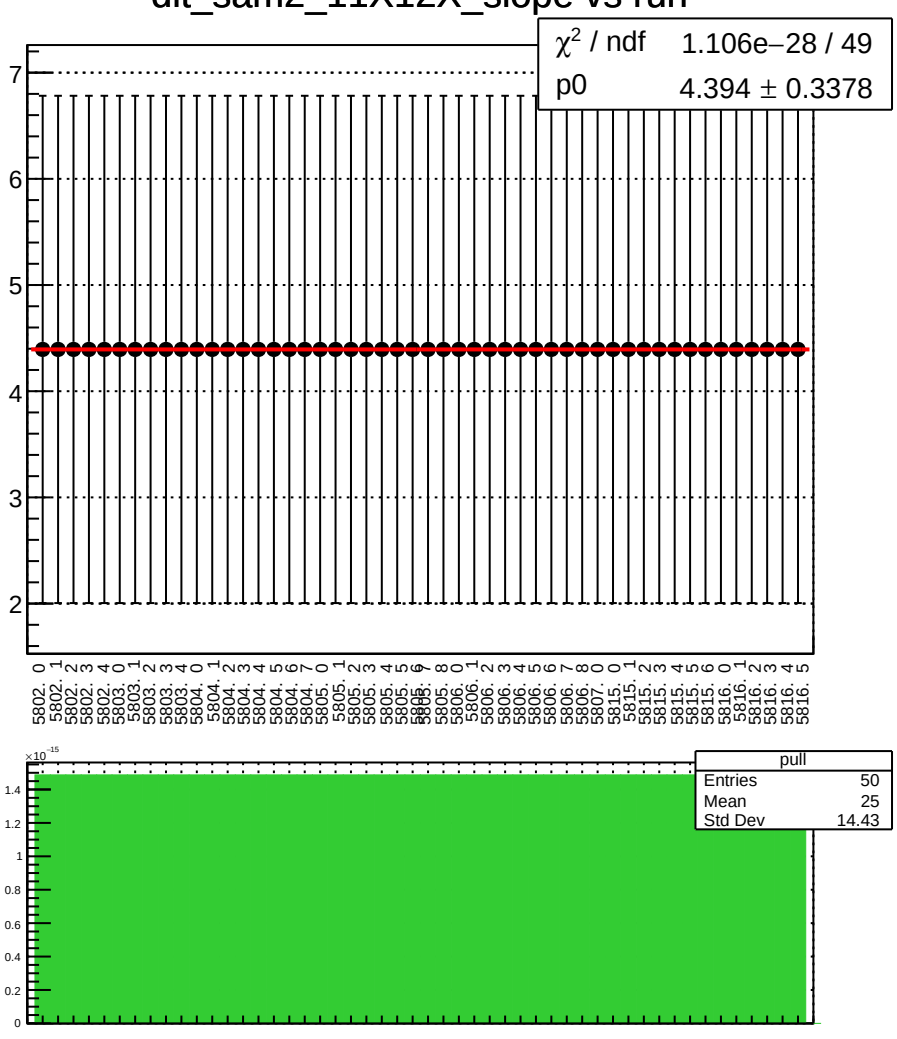

pull1D
Entries 50
Mean −8.717e−14
Std Dev2.075e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

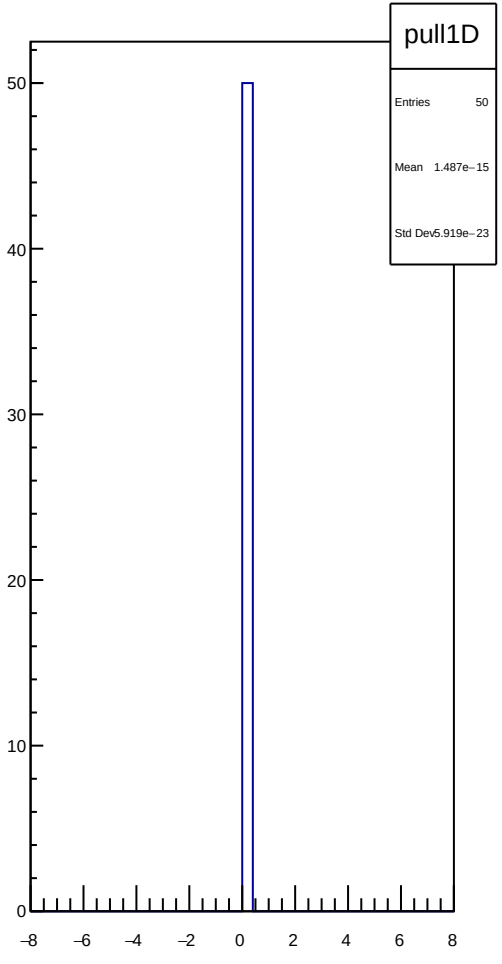

dit_sam2_4aX_slope vs run
χ² / ndf 5.944e−28 / 49
p0 33.56 ± 1.166
pull
Entries 50
Mean 25
Std Dev 14.43

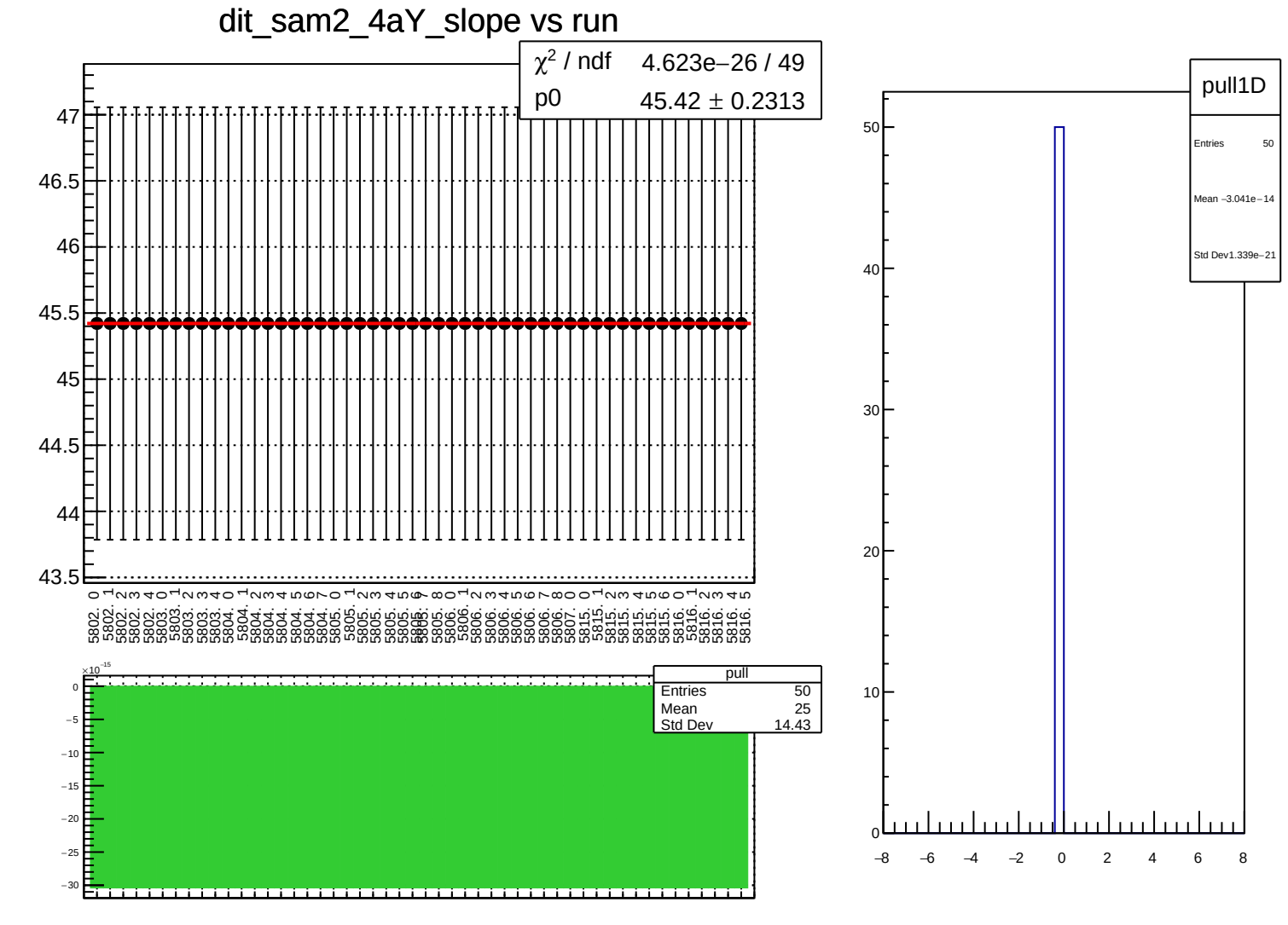

pull1D
Entries 50
Mean −3.448e−15
Std Dev 0

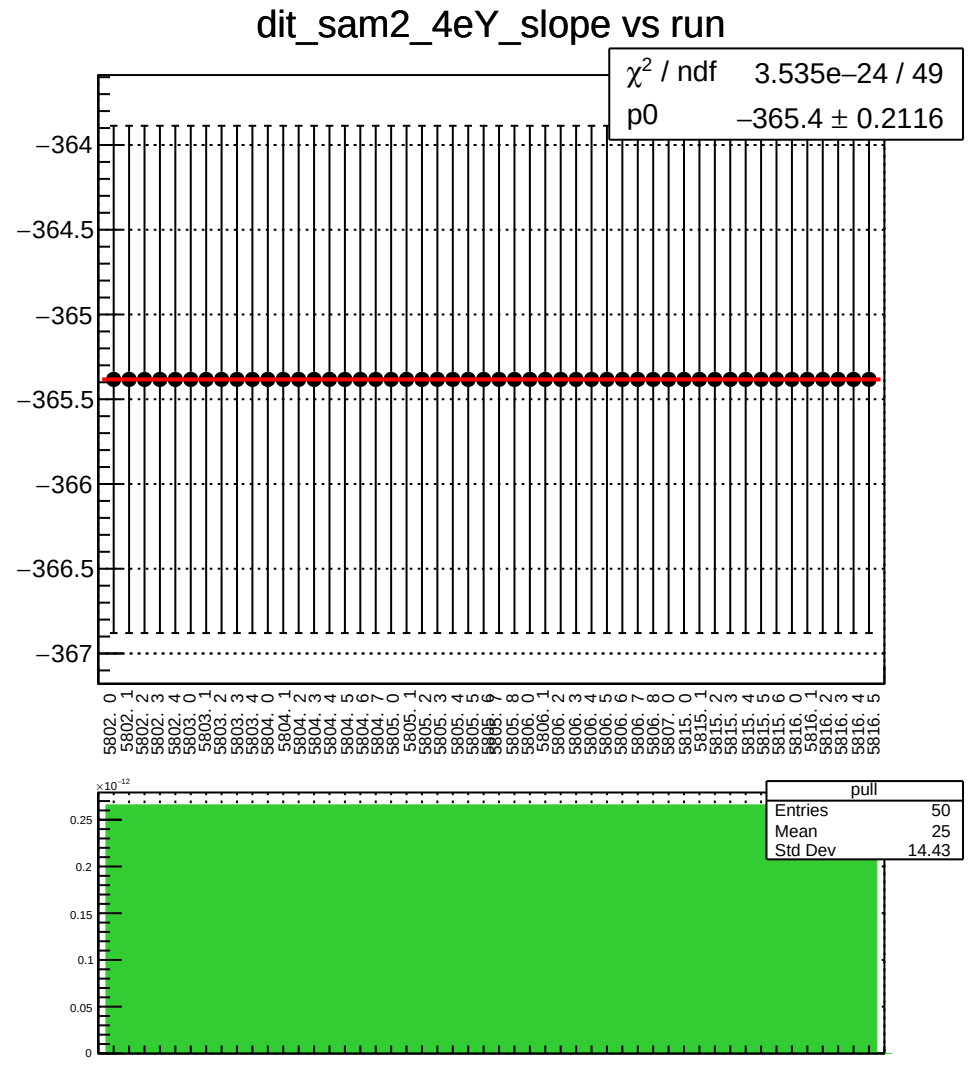

dit_sam2_4eX_slope vs run
χ² / ndf 9.38e−26 / 49
p0 −350.1± 1.485
−340
−345
−350
−355
−360
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

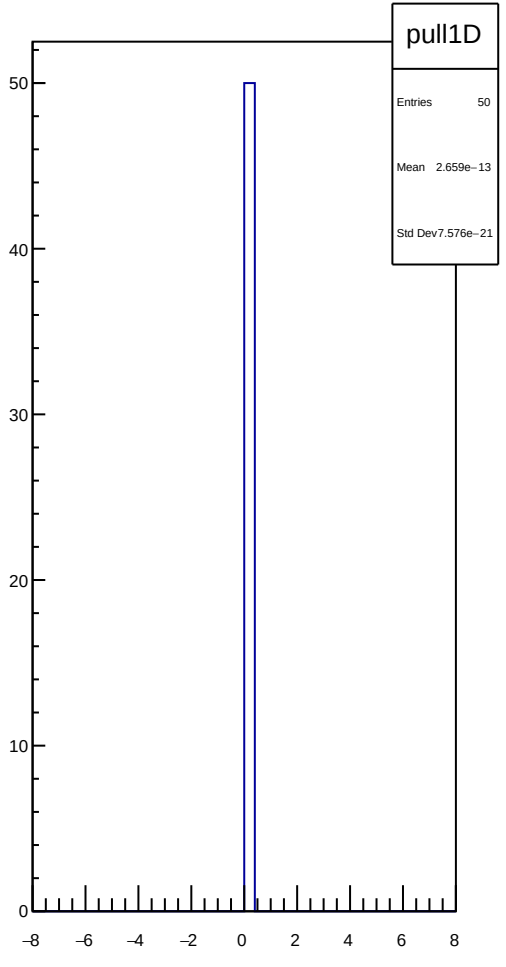

pull1D
Entries 50
Mean 4.331e−14
Std Dev2.396e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

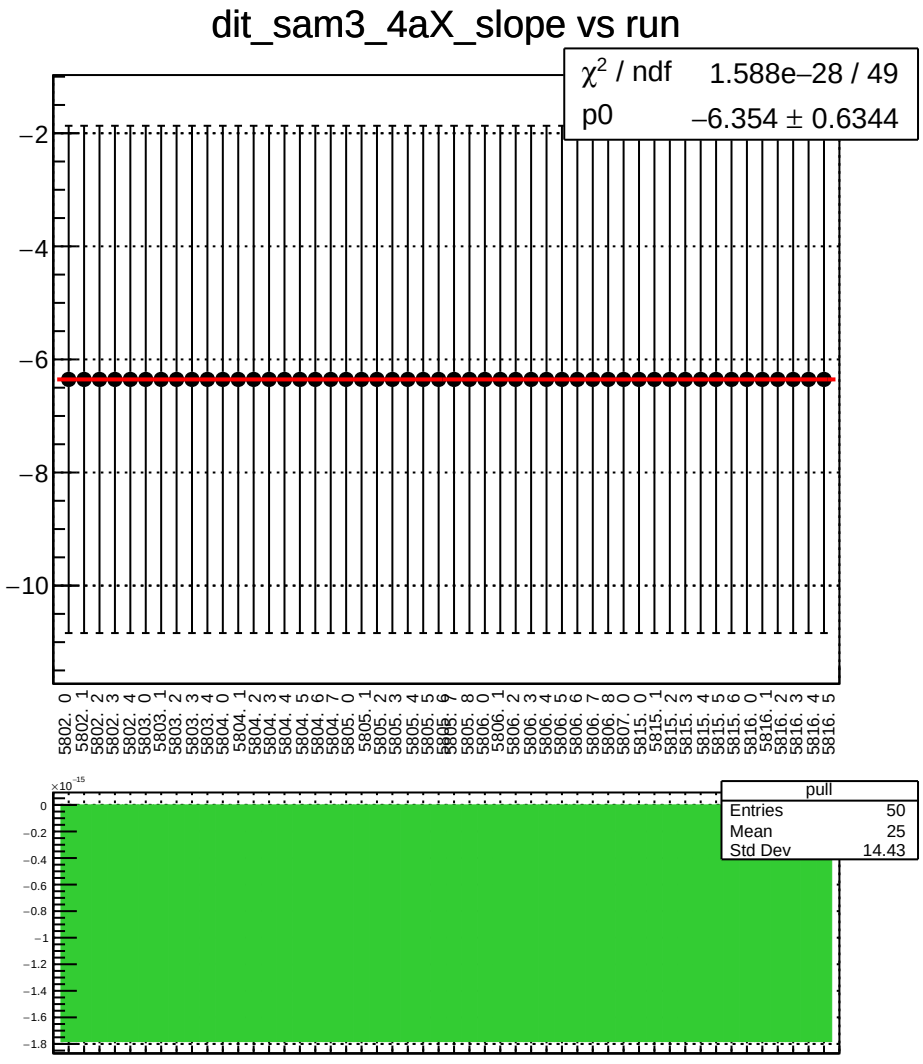

dit_sam2_11X12X_slope vs run
χ² / ndf 1.106e−28 / 49
p0 4.394 ± 0.3378
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵

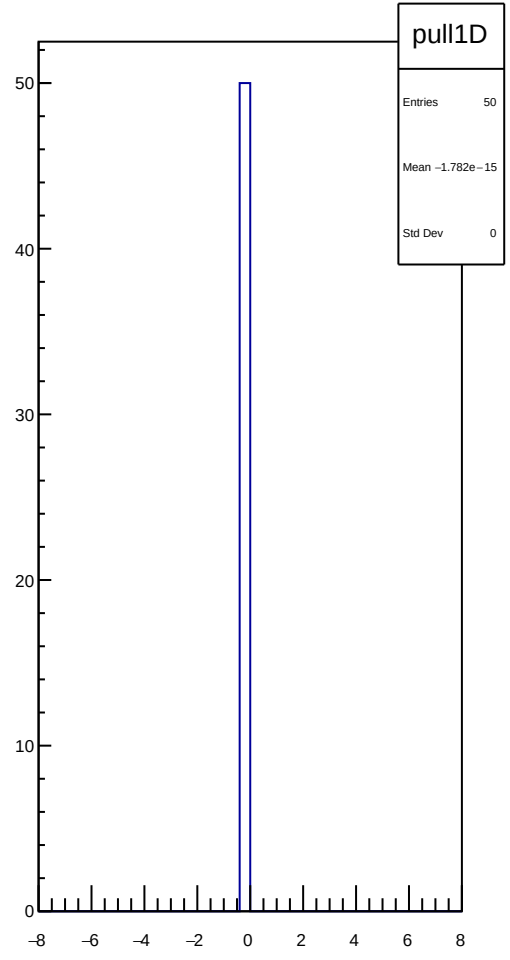

pull1D
Entries 50
Mean 1.487e−15
Std Dev 5.919e−23

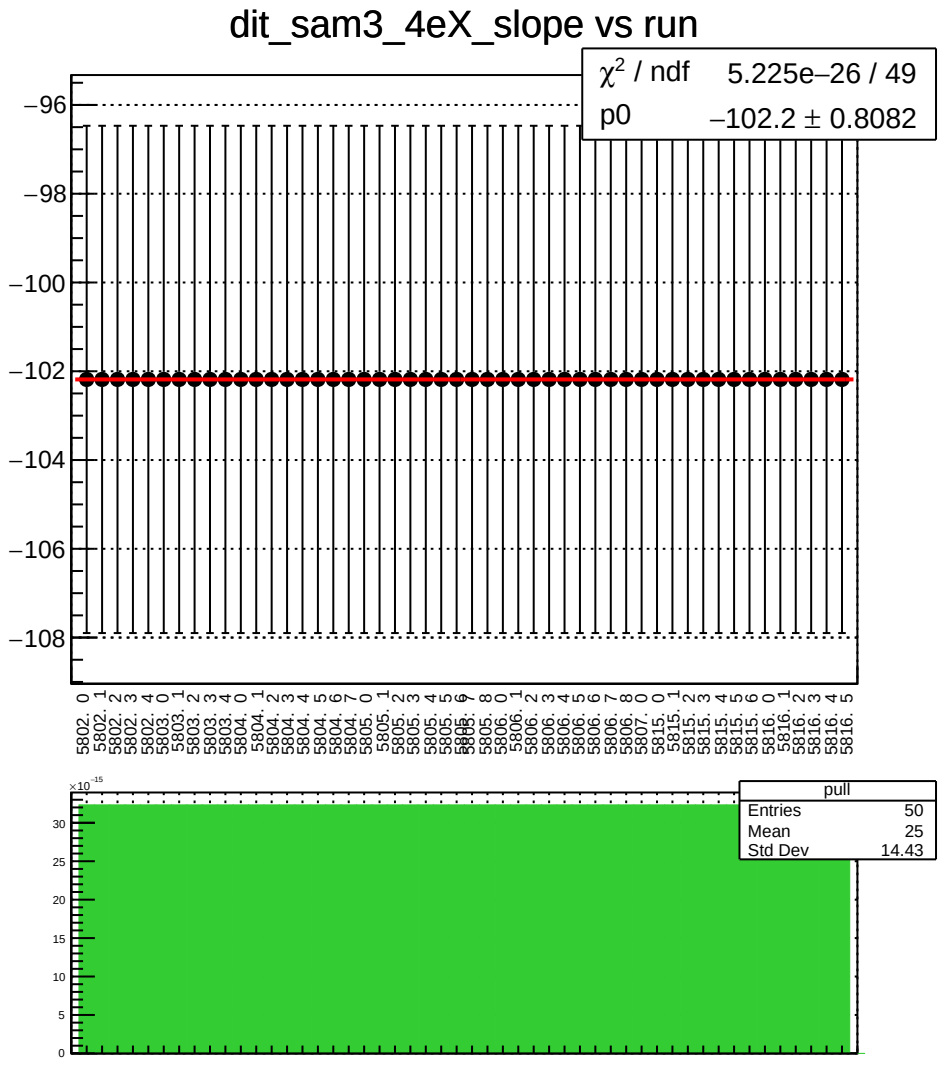

dit_sam2_4aY_slope vs run
χ² / ndf 4.623e−26 / 49
p0 45.42 ± 0.2313
47
46.5
46
45.5
45
44.5
44
43.5
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 50
Mean −3.041e−14
Std Dev1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

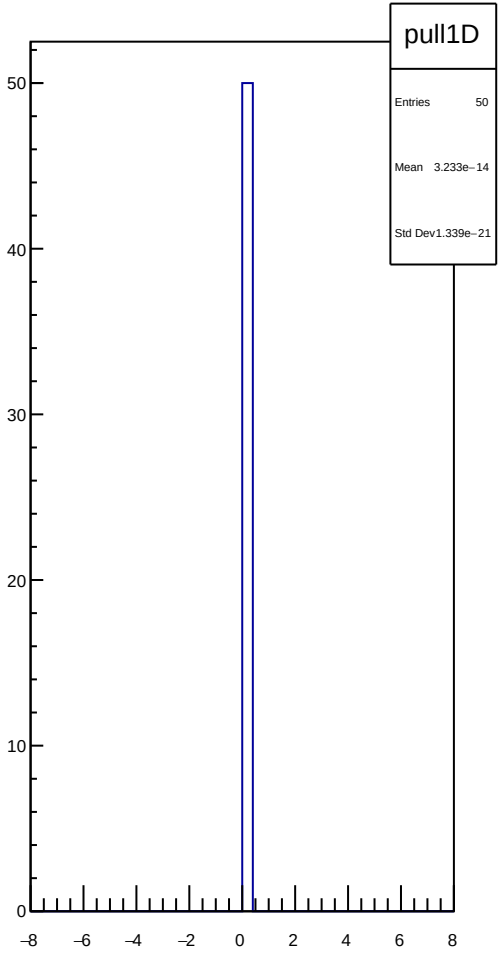

dit_sam2_4eY_slope vs run
χ² / ndf 3.535e−24 / 49
p0 −365.4 ± 0.2116
−364
−364.5
−365
−365.5
−366
−366.5
−367
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

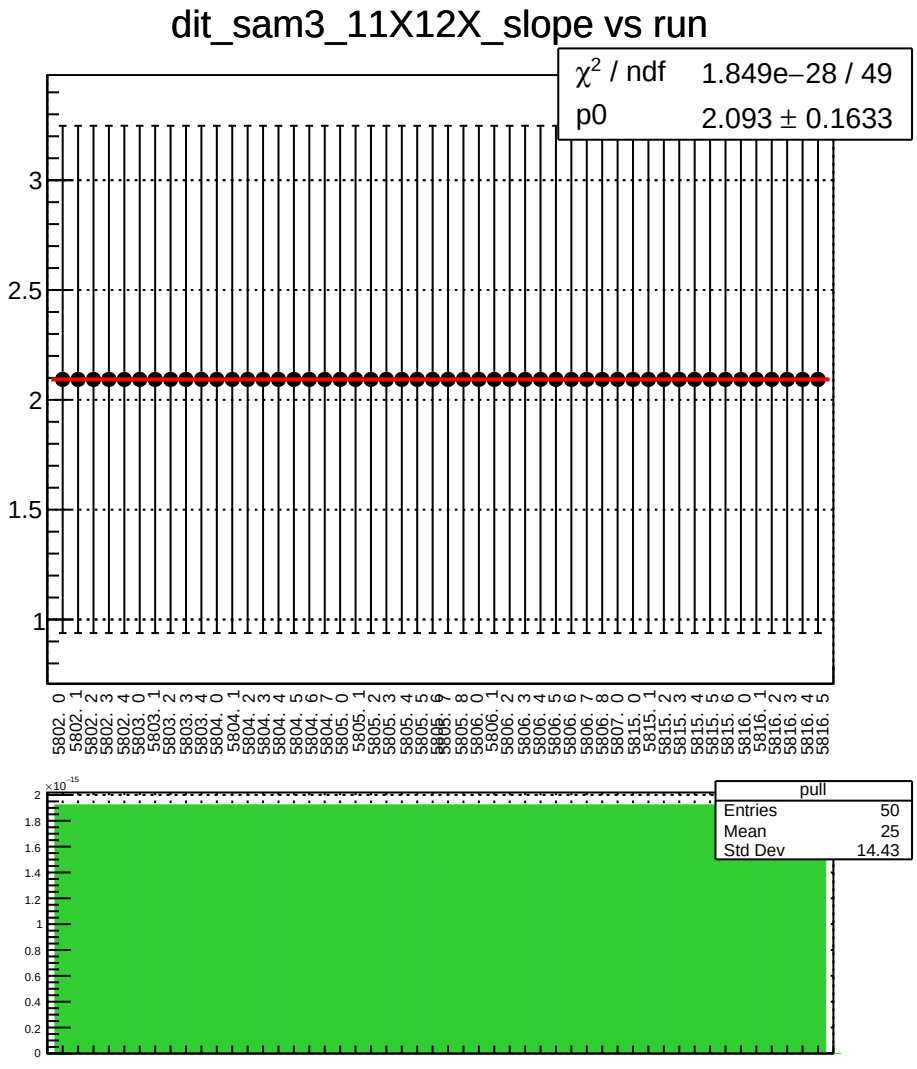

pull1D
Entries 50
Mean 2.659e−13
Std Dev 7.576e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

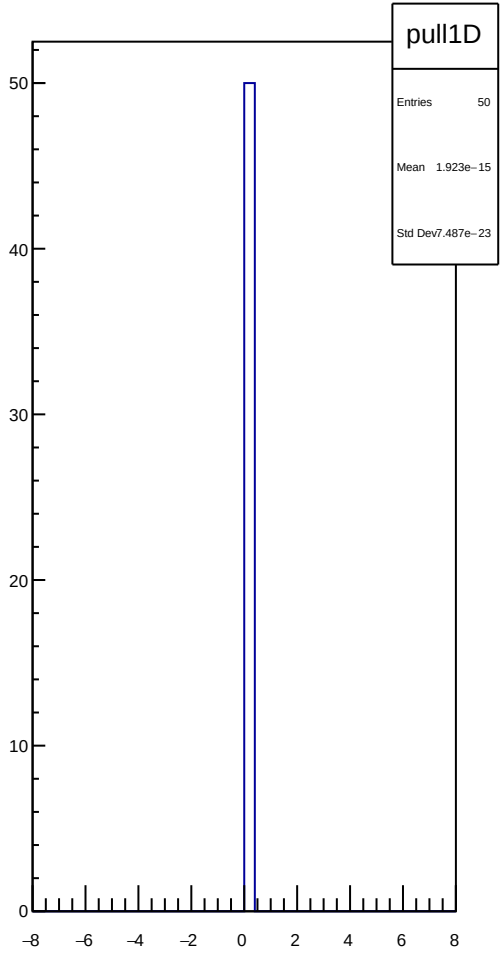

dit_sam3_4aX_slope vs run
χ² / ndf 1.588e−28 / 49
p0 −6.354 ± 0.6344
−2
−4
−6
−8
−10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
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
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 50
Mean 25
Std Dev 14.43

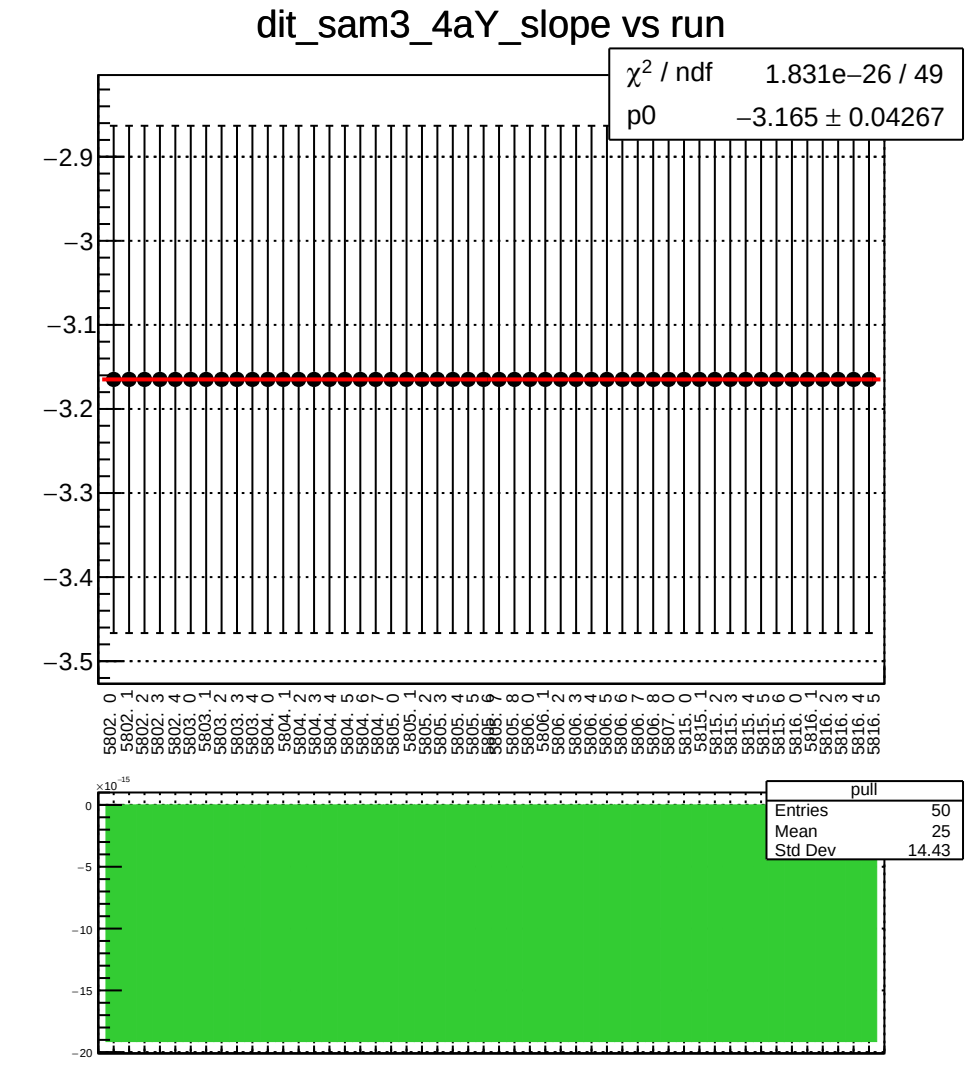

pull1D
Entries 50
Mean −1.782e−15
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

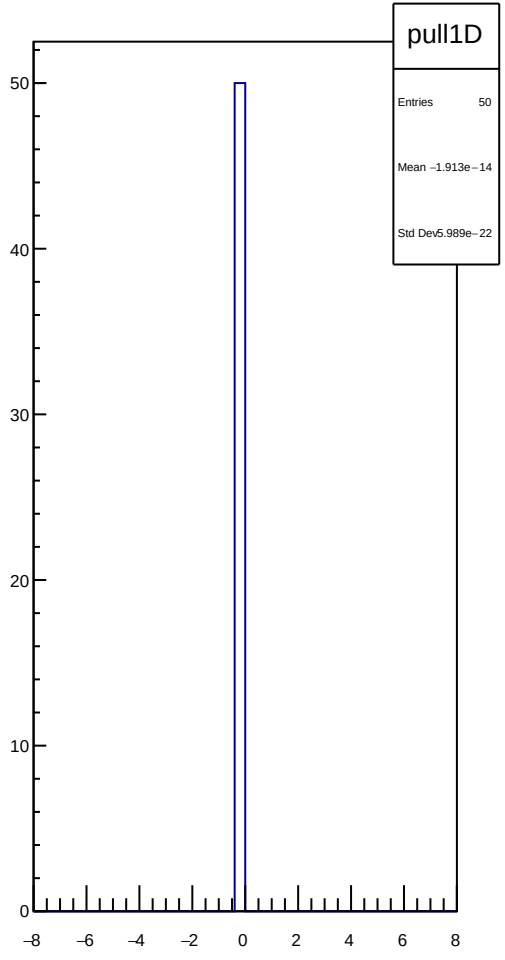

dit_sam3_4eX_slope vs run
χ² / ndf 5.225e−26 / 49
p0 −102.2 ± 0.8082
−96
−98
−100
−102
−104
−106
−108
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
30
25
20
15
10
5
0

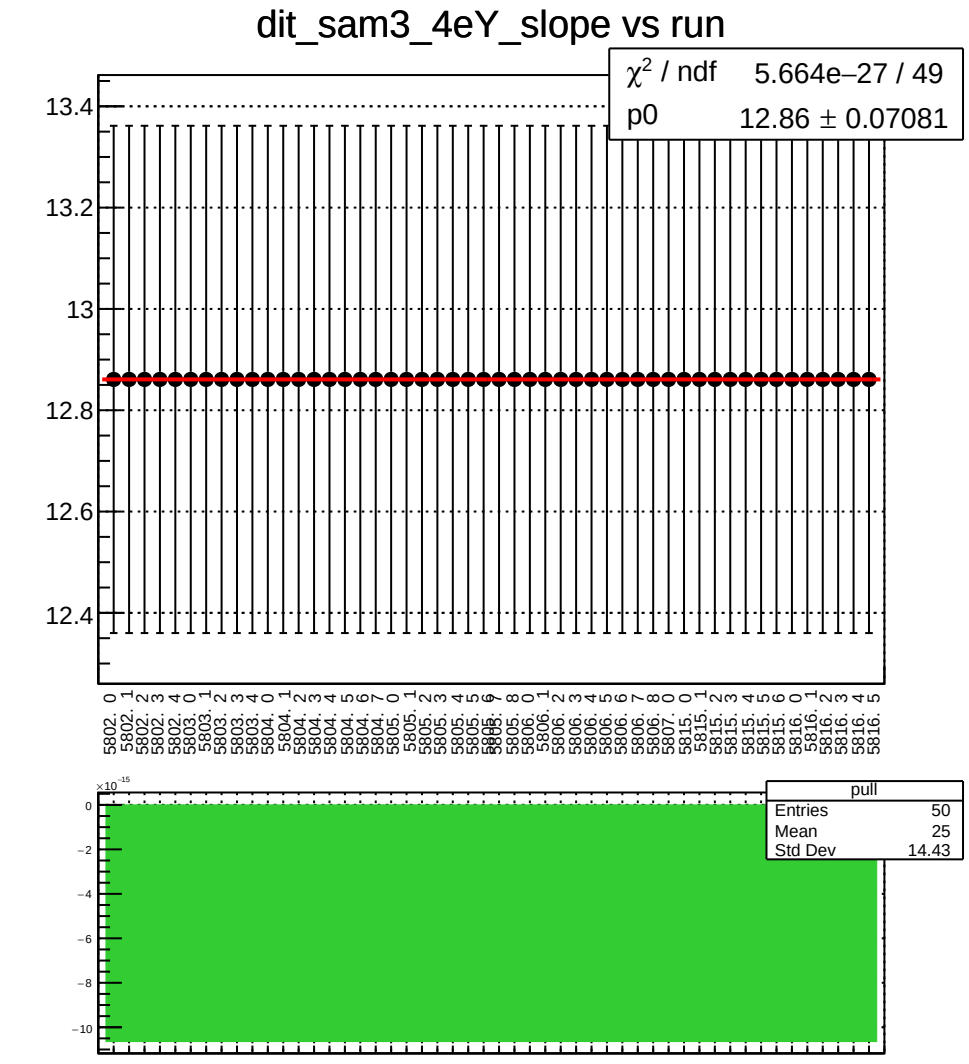

pull1D
Entries 50
Mean 3.233e−14
Std Dev1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

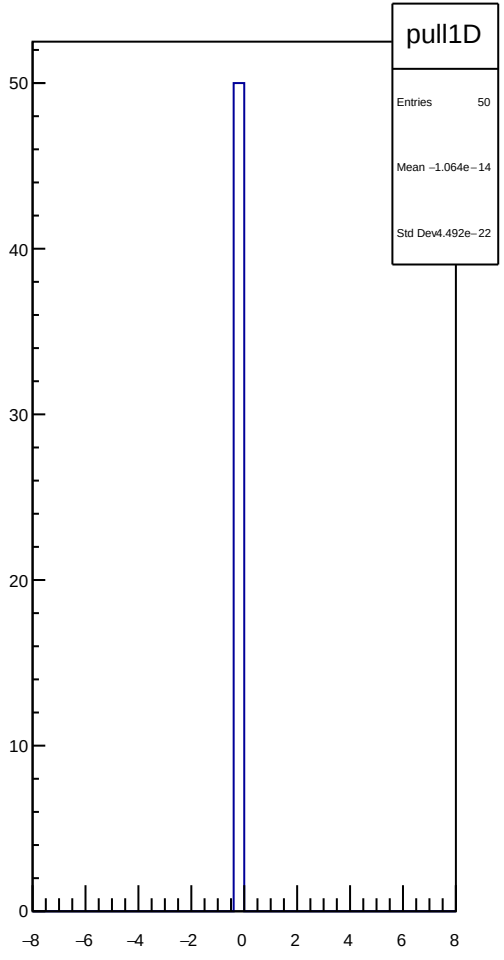

dit_sam3_11X12X_slope vs run
χ² / ndf 1.849e−28 / 49
p0 2.093 ± 0.1633
pull
Entries 50
Mean 25
Std Dev 14.43

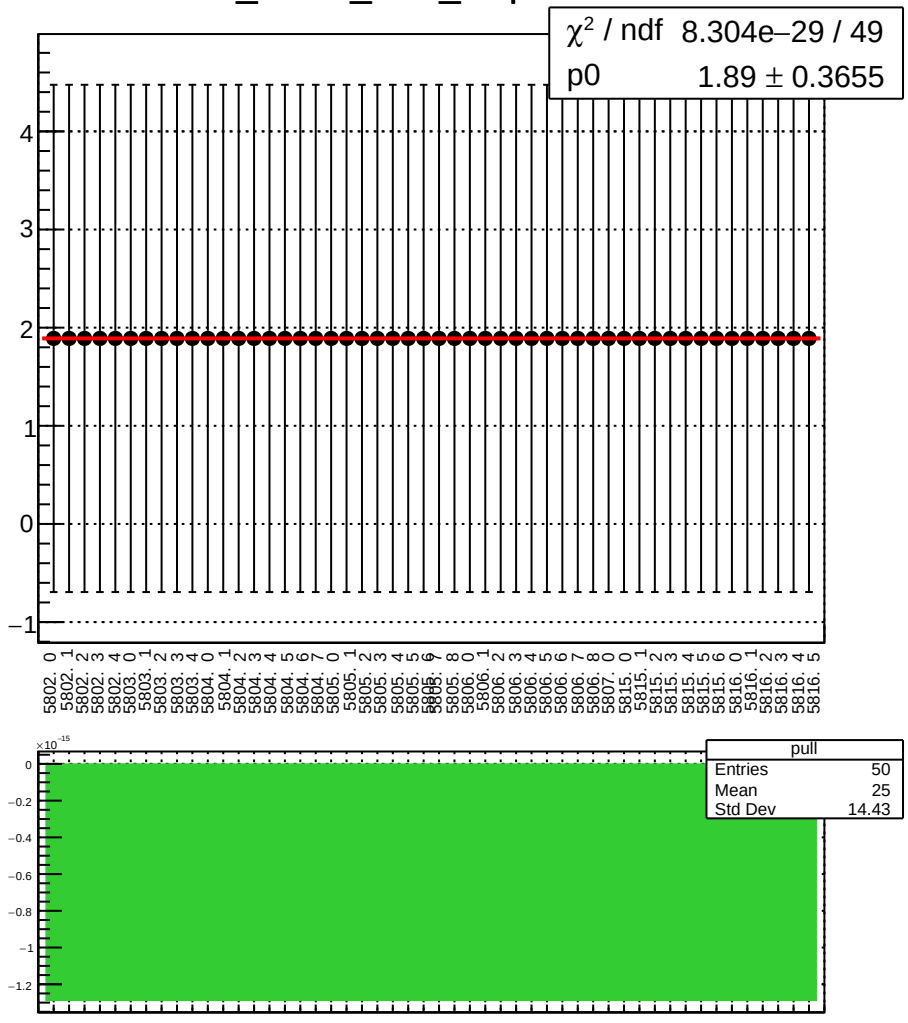

pull1D
Entries 50
Mean 1.923e−15
Std Dev7.487e−23

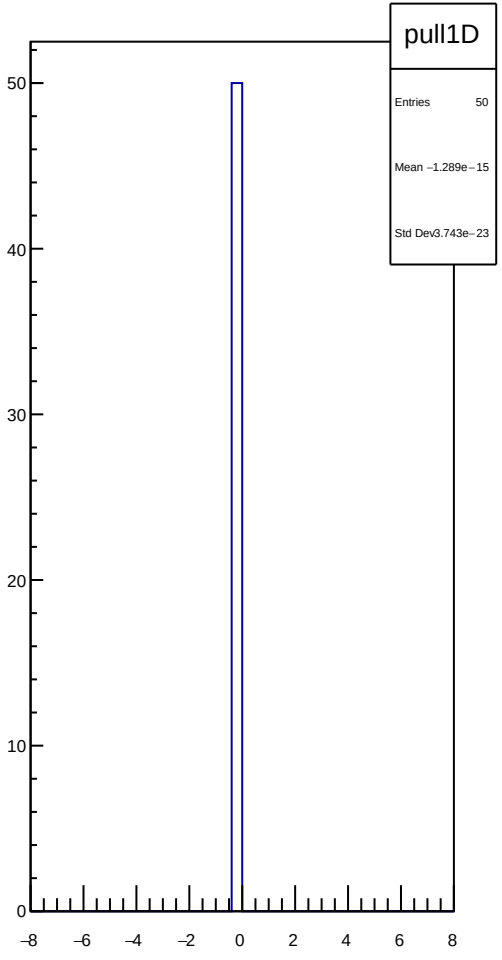

dit_sam3_4aY_slope vs run
χ² / ndf 1.831e−26 / 49
p0 −3.165 ± 0.04267
−2.9
−3
−3.1
−3.2
−3.3
−3.4
−3.5
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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
0
−5
−10
−15
−20
pull
Entries 50
Mean 25
Std Dev 14.43

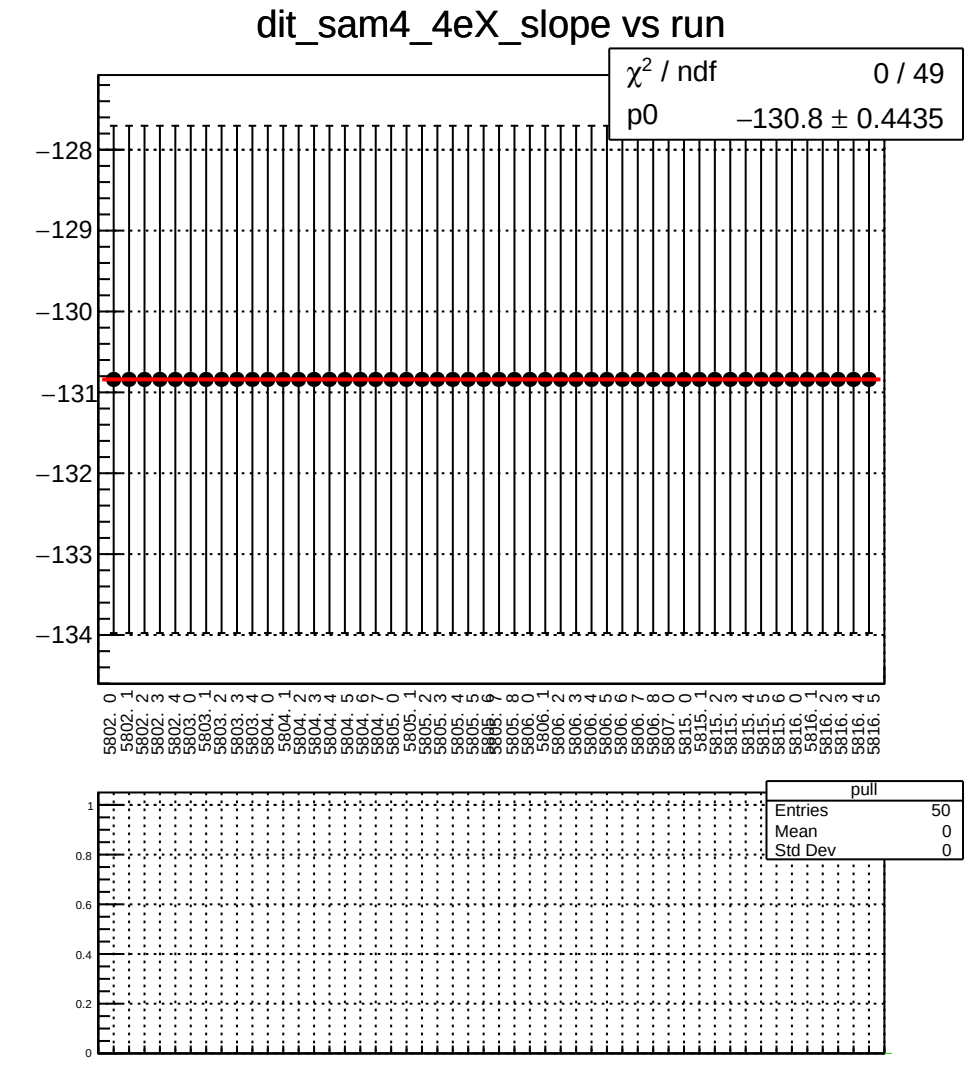

pull1D
Entries 50
Mean −1.913e−14
Std Dev 5.989e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

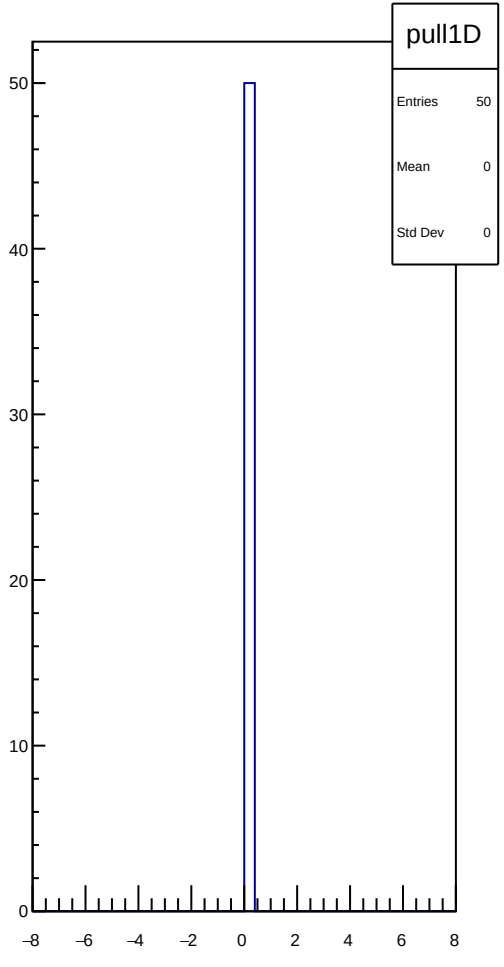

dit_sam3_4eY_slope vs run
χ² / ndf 5.664e−27 / 49
p0 12.86 ± 0.07081
13.4
13.2
13
12.8
12.6
12.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−2
−4
−6
−8
−10

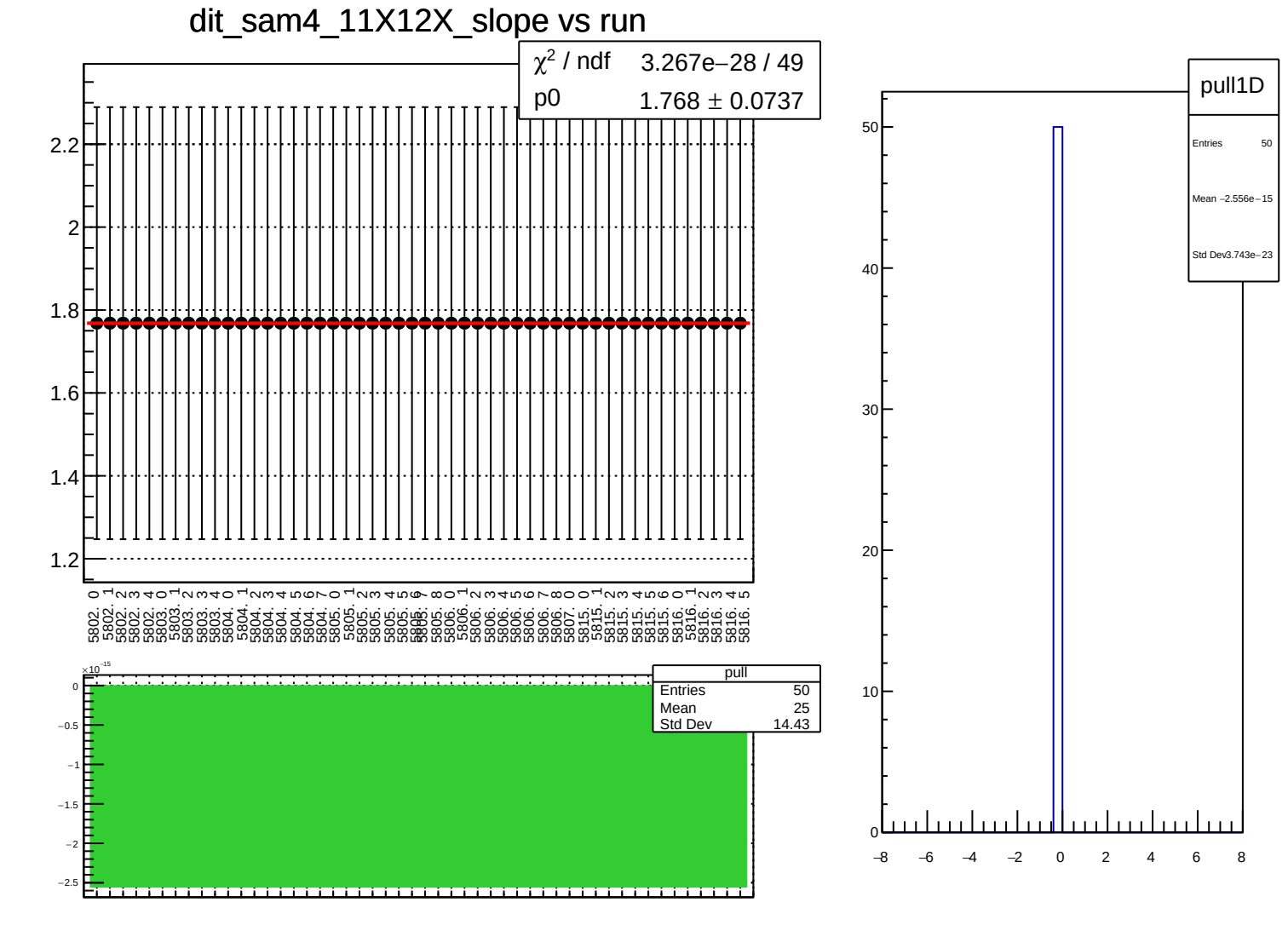

pull1D
Entries 50
Mean −1.064e−14
Std Dev4.492e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

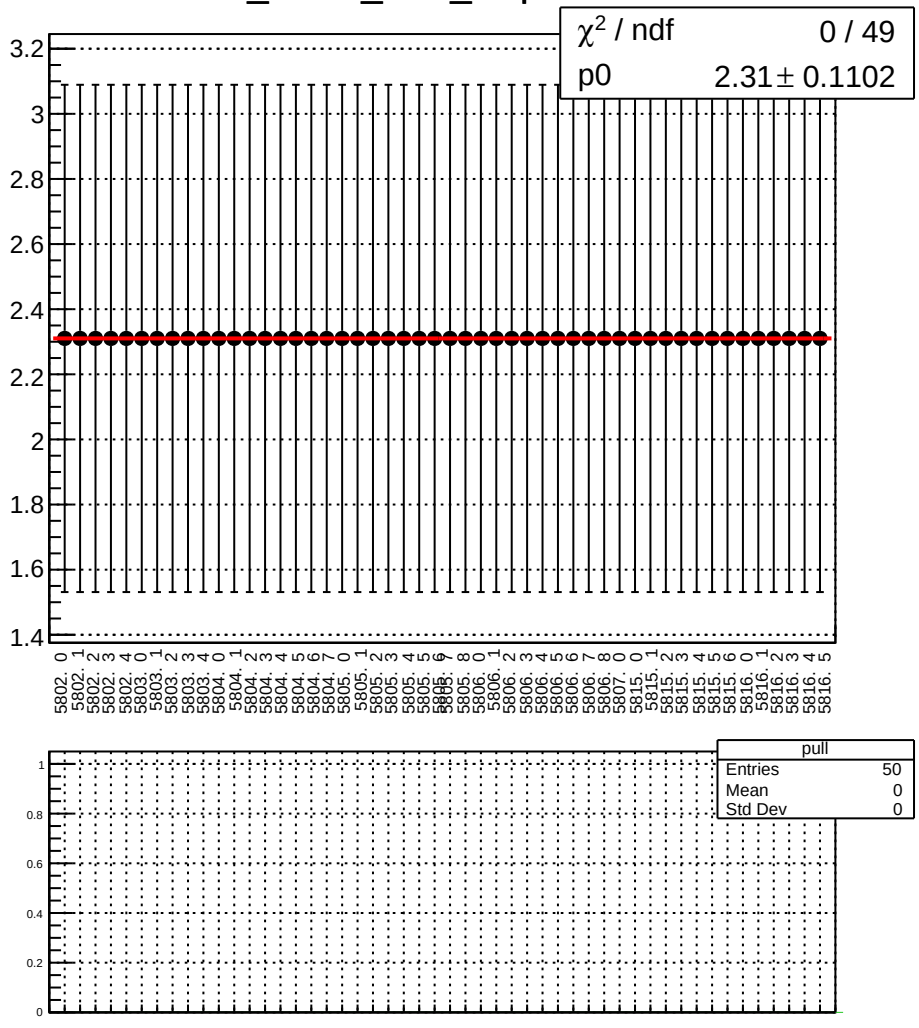

dit_sam4_4aX_slope vs run
χ² / ndf 8.304e−29 / 49
p0 1.89 ± 0.3655
pull
Entries 50
Mean 25
Std Dev 14.43

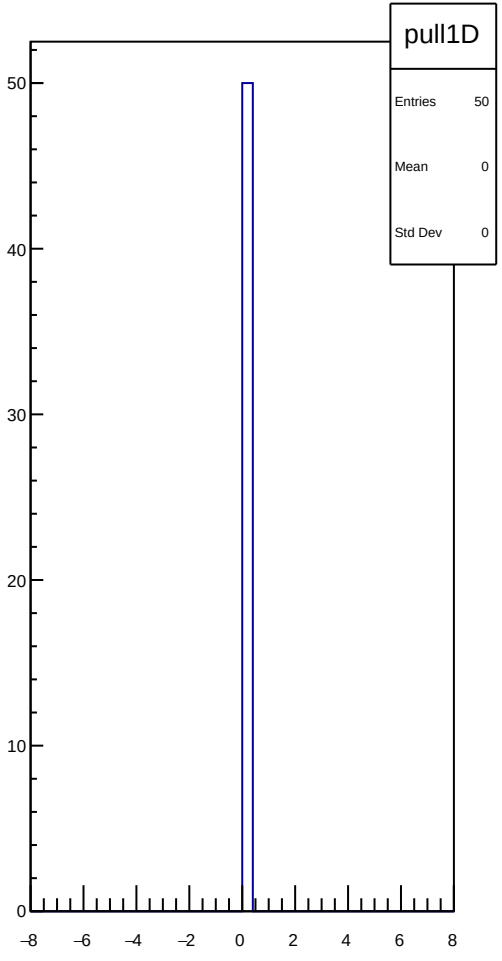

pull1D
Entries 50
Mean −1.289e−15
Std Dev 3.743e−23

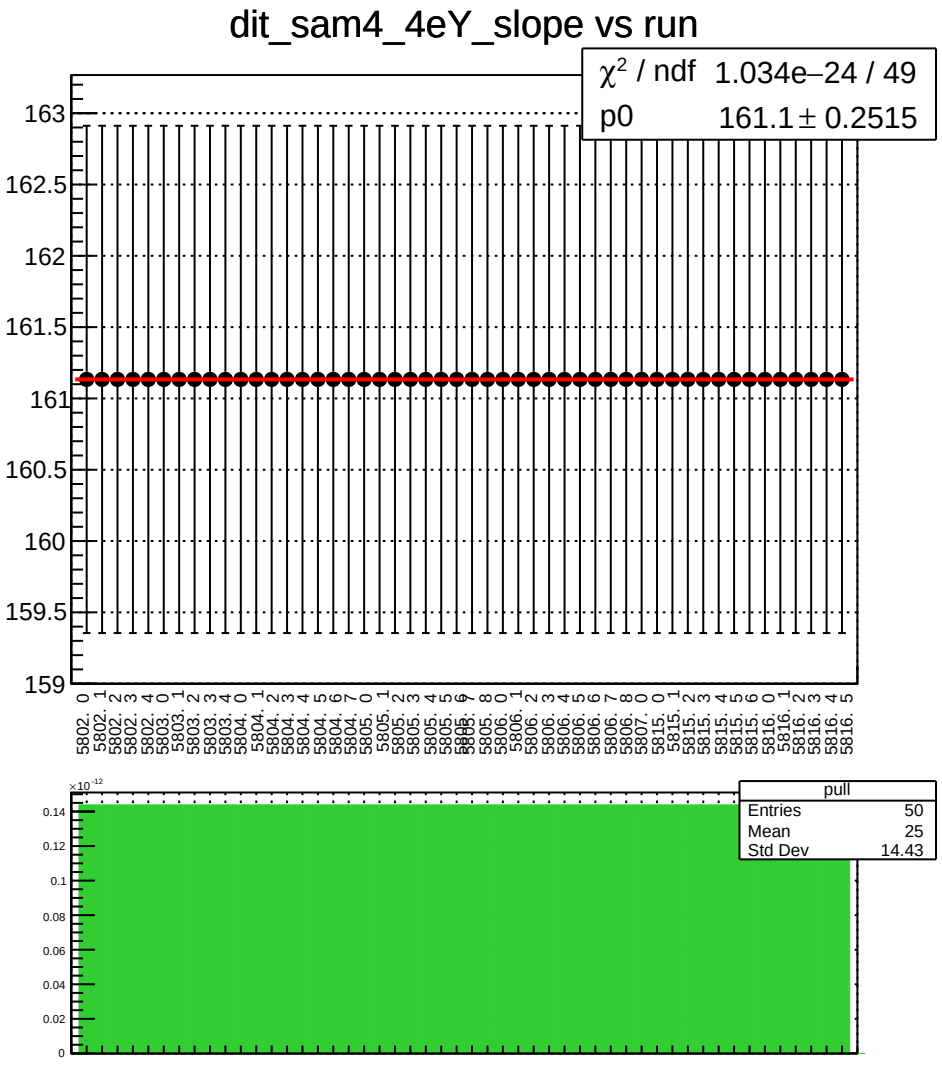

dit_sam4_4eX_slope vs run
χ² / ndf 0 / 49
p0 −130.8 ± 0.4435
−128
−129
−130
−131
−132
−133
−134
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

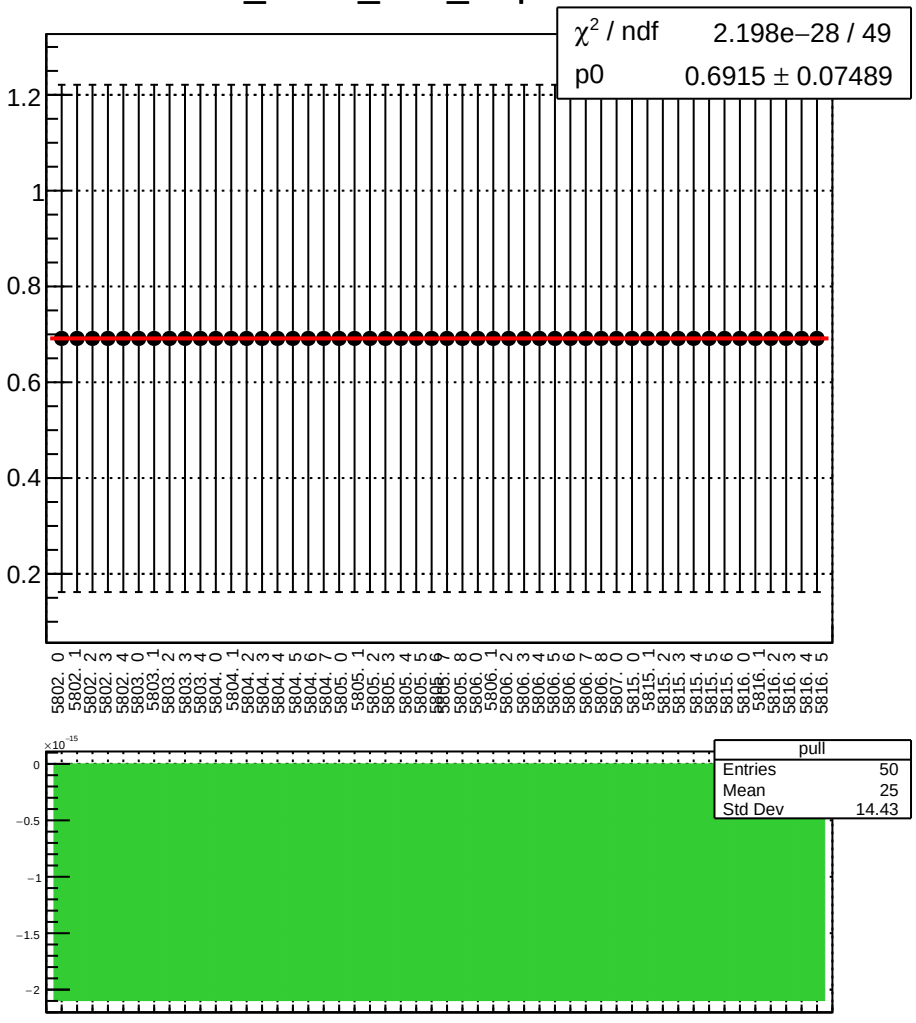

pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

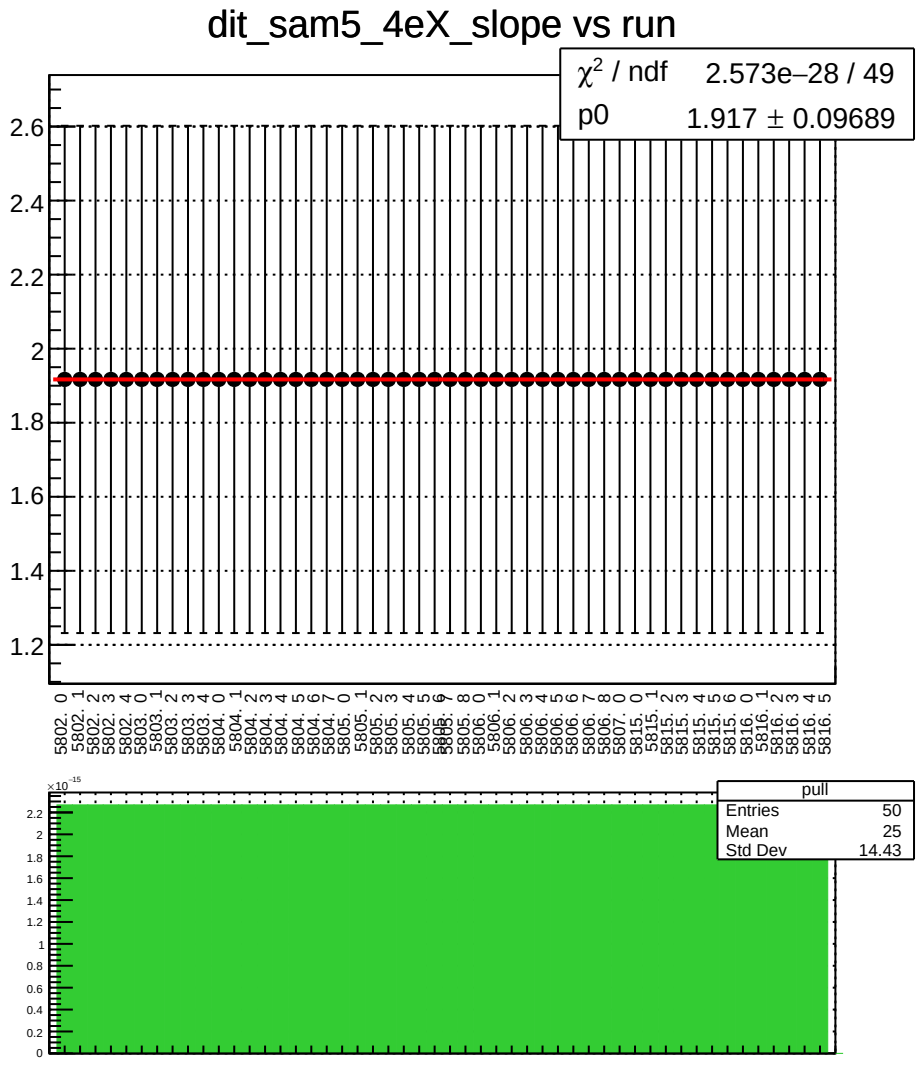

dit_sam4_11X12X_slope vs run
χ² / ndf 3.267e−28 / 49
p0 1.768 ± 0.0737
2.2
2
1.8
1.6
1.4
1.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 8
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
−0.5
−1
−1.5
−2
−2.5
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −2.556e−15
Std Dev 3.743e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

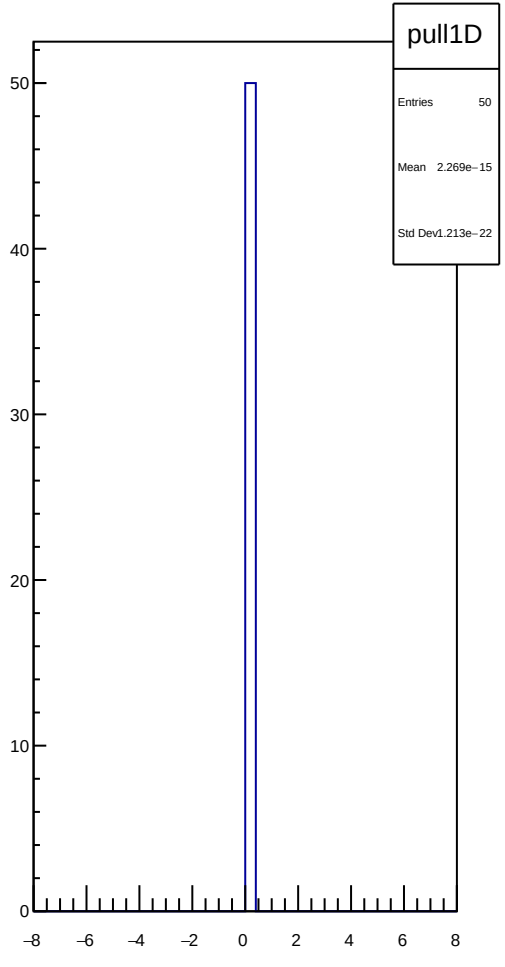

dit_sam4_4aY_slope vs run
χ^2 / ndf 0 / 49
p0 2.31 ± 0.1102
pull
Entries 50
Mean 0
Std Dev 0

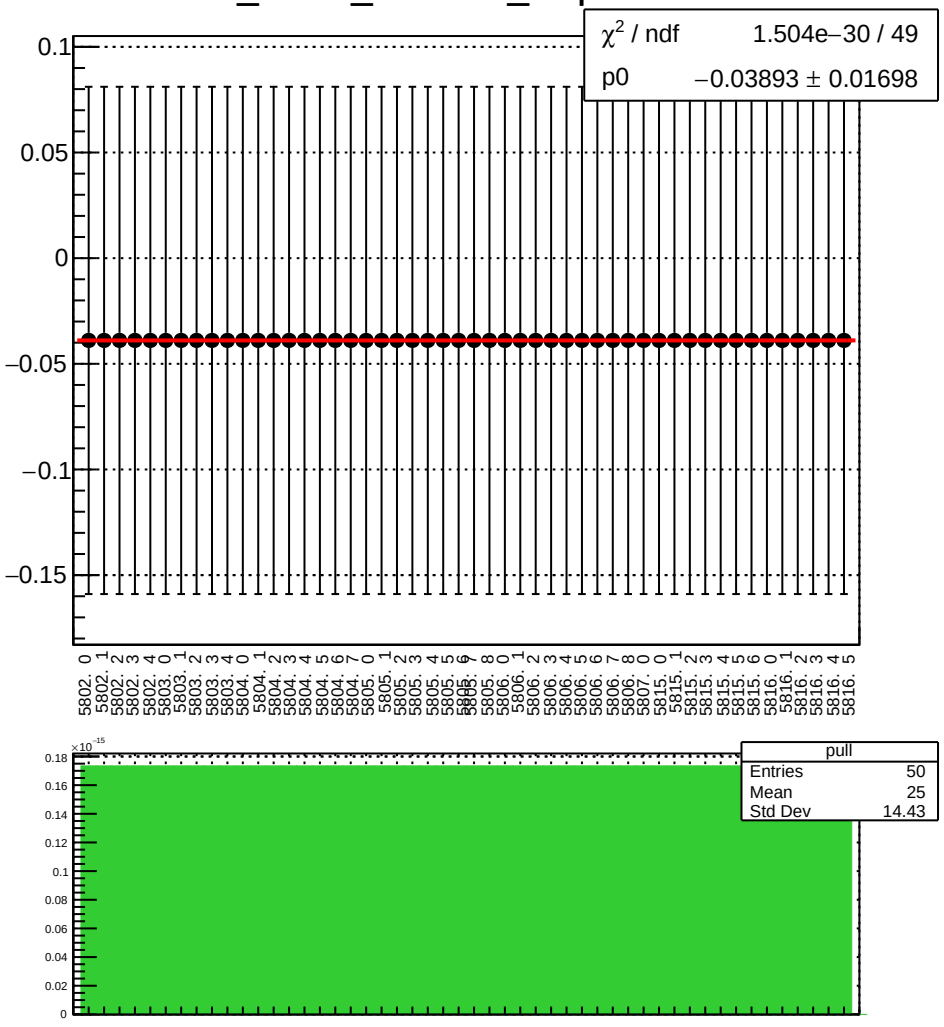

pull1D
Entries 50
Mean 0
Std Dev 0

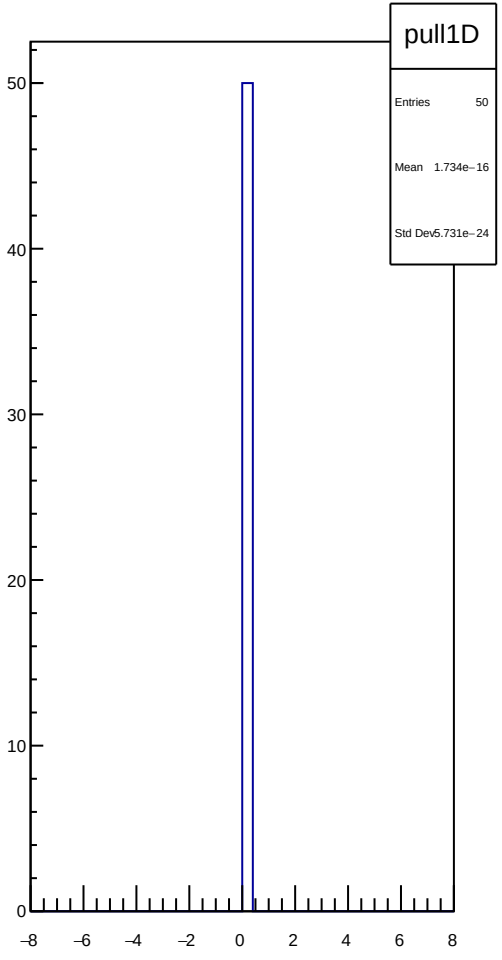

dit_sam4_4eY_slope vs run
χ² / ndf 1.034e−24 / 49
p0 161.1 ± 0.2515
163
162.5
162
161.5
161
160.5
160
159.5
159
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 1.438e−13
Std Dev 1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

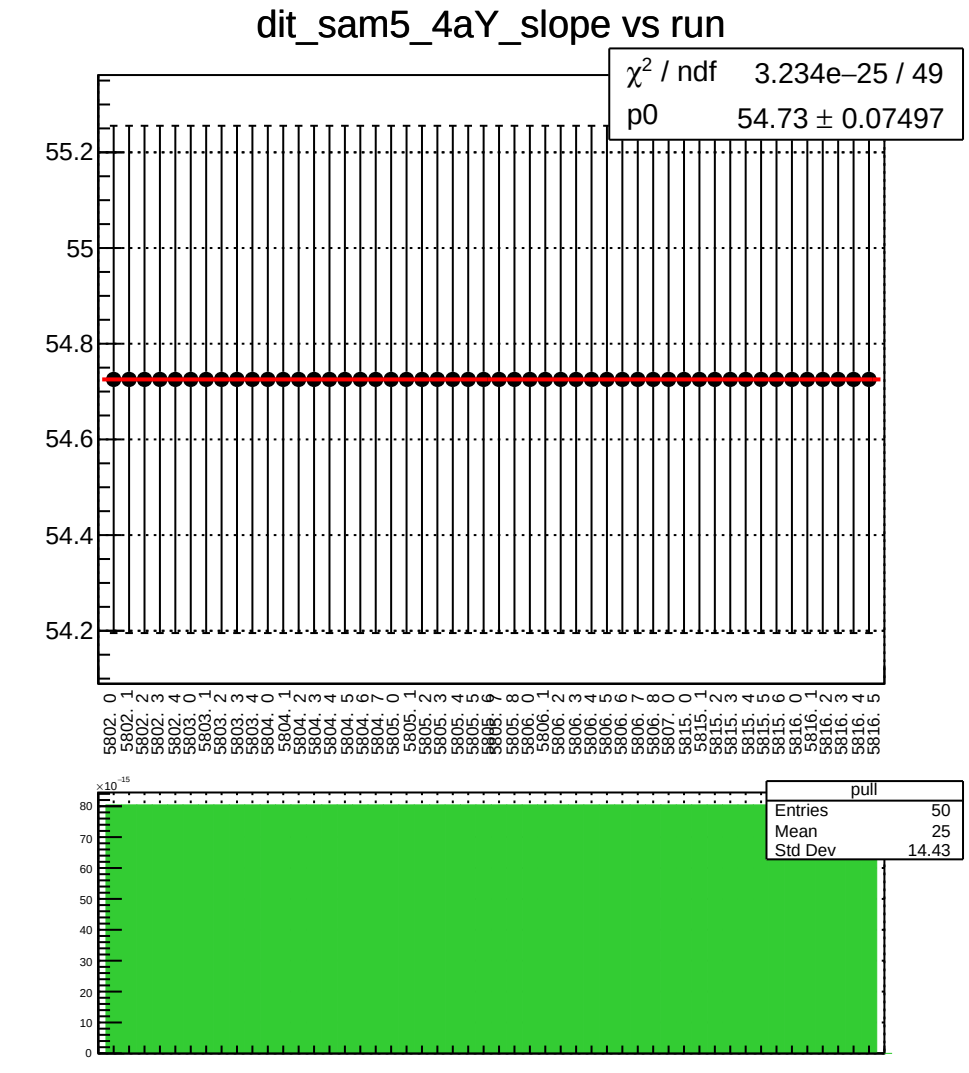

dit_sam5_4aX_slope vs run
χ² / ndf 2.198e−28 / 49
p0 0.6915 ± 0.07489
1.2
1
0.8
0.6
0.4
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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
0
−0.5
−1
−1.5
−2
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean −2.097e−15
Std Dev9.169e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

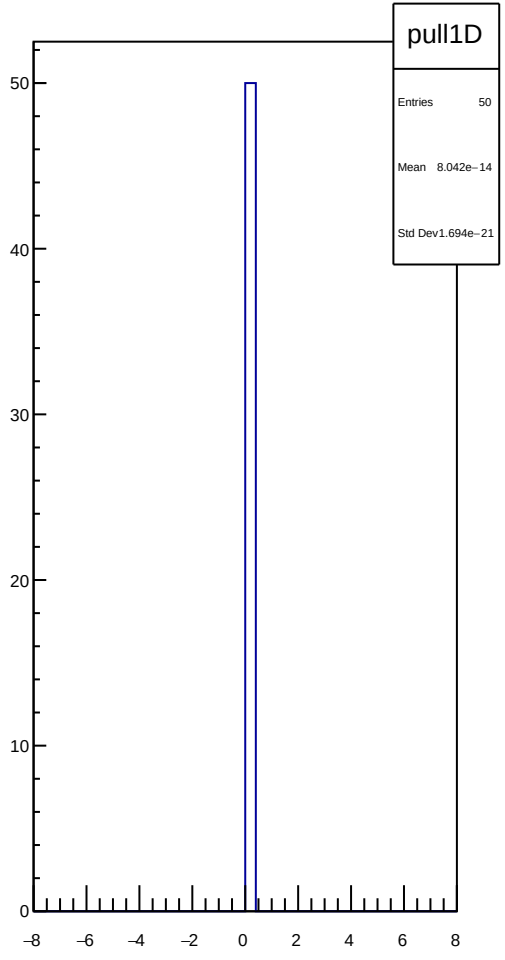

dit_sam5_4eX_slope vs run
χ² / ndf 2.573e−28 / 49
p0 1.917 ± 0.09689
pull
Entries 50
Mean 25
Std Dev 14.43

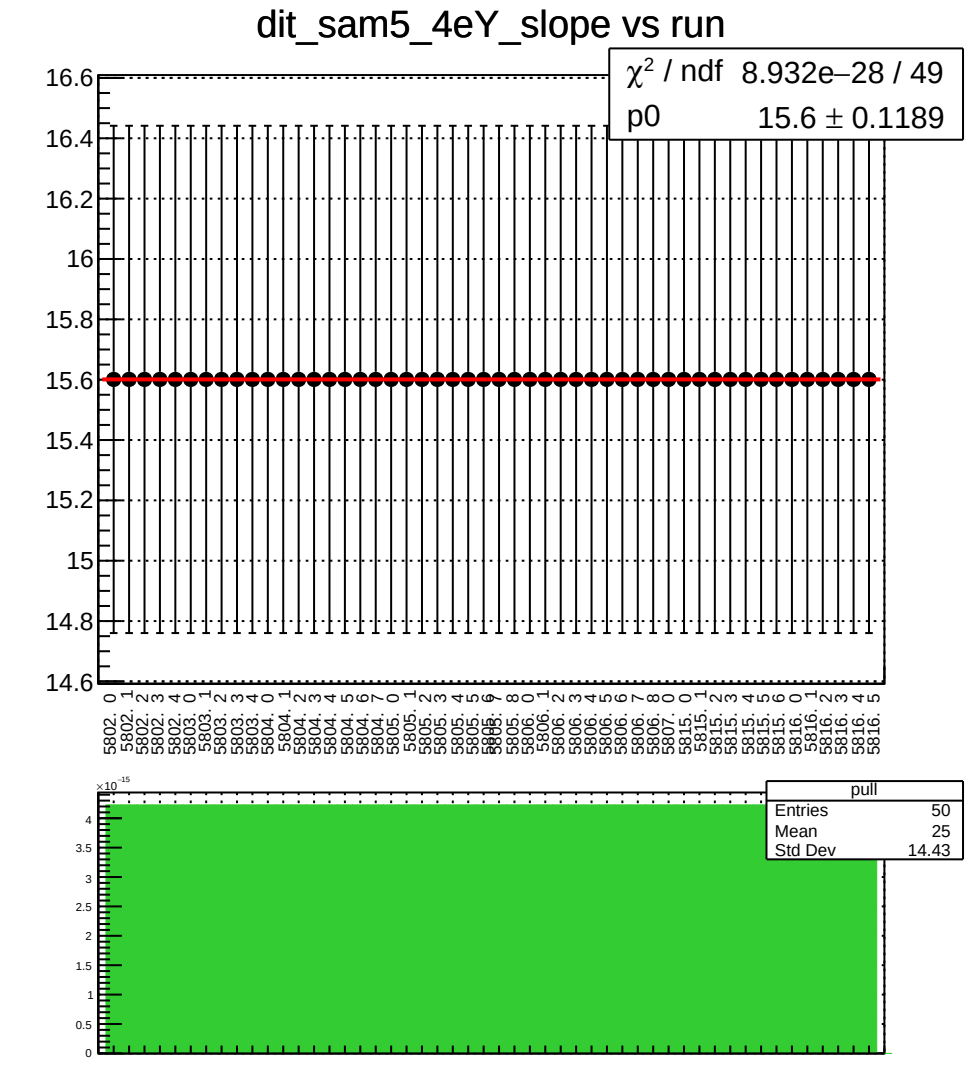

pull1D
Entries 50
Mean 2.269e−15
Std Dev1.213e−22

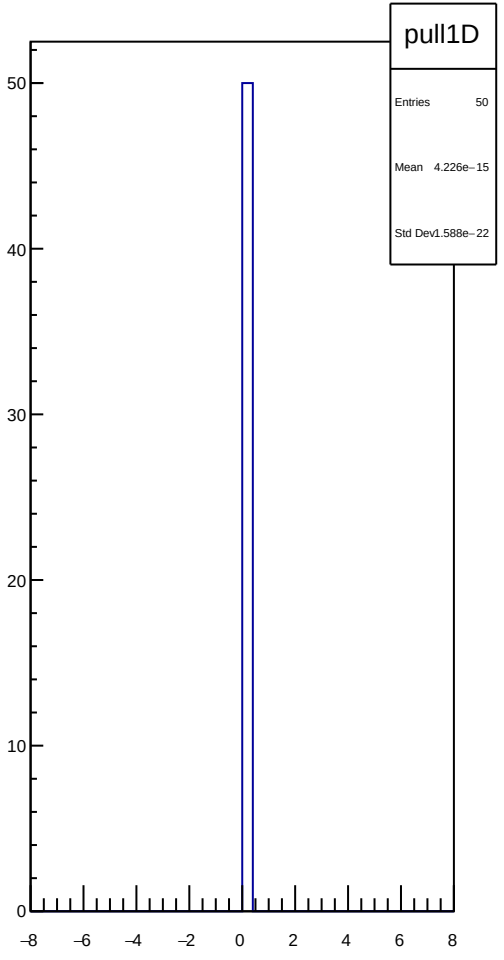

dit_sam5_11X12X_slope vs run
χ² / ndf 1.504e−30 / 49
p0 −0.03893 ± 0.01698
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

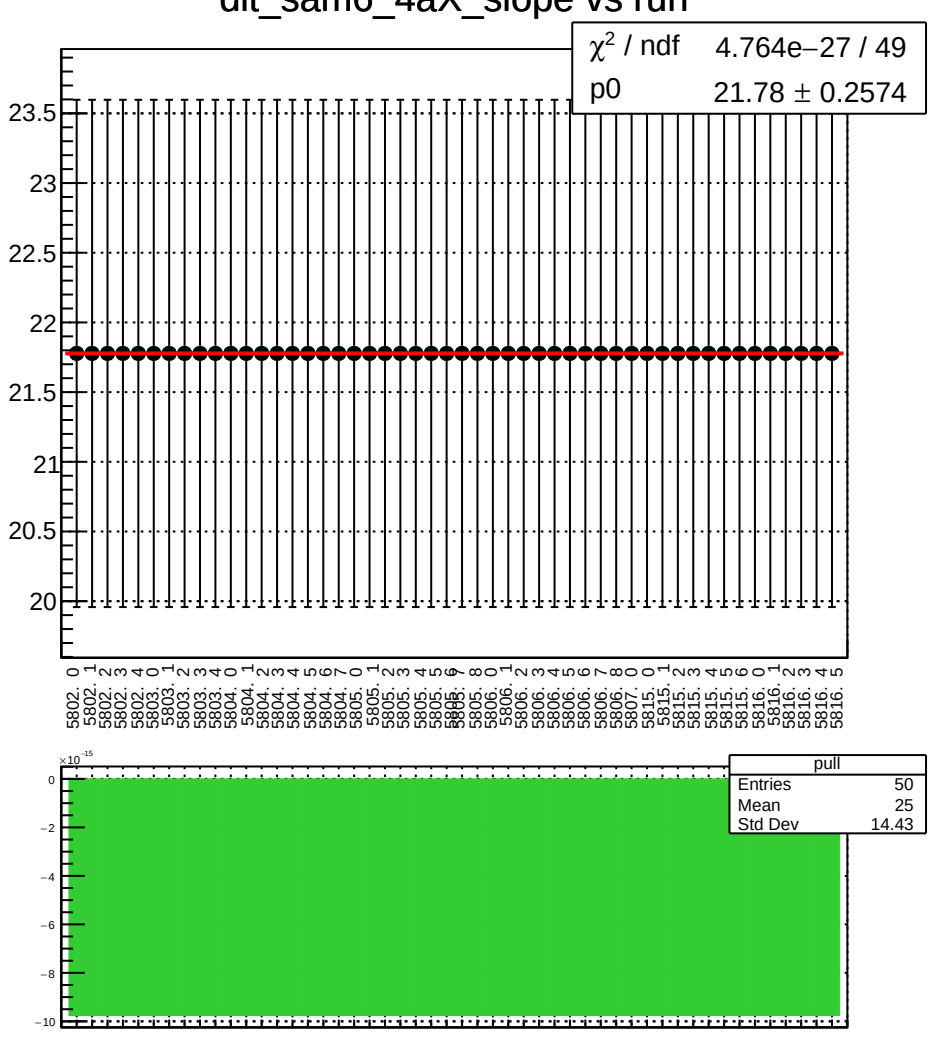

pull1D
Entries 50
Mean 1.734e−16
Std Dev 5.731e−24
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

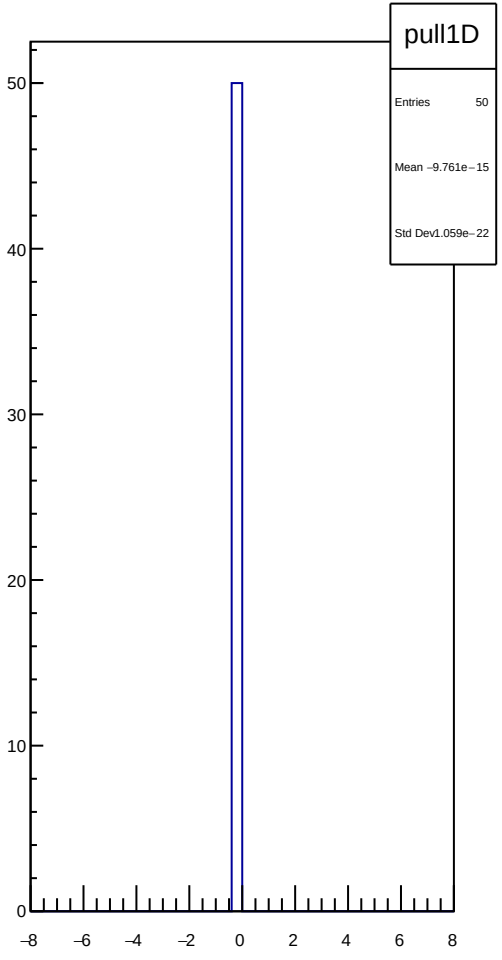

dit_sam5_4aY_slope vs run
χ² / ndf 3.234e−25 / 49
p0 54.73 ± 0.07497
55.2
55
54.8
54.6
54.4
54.2
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

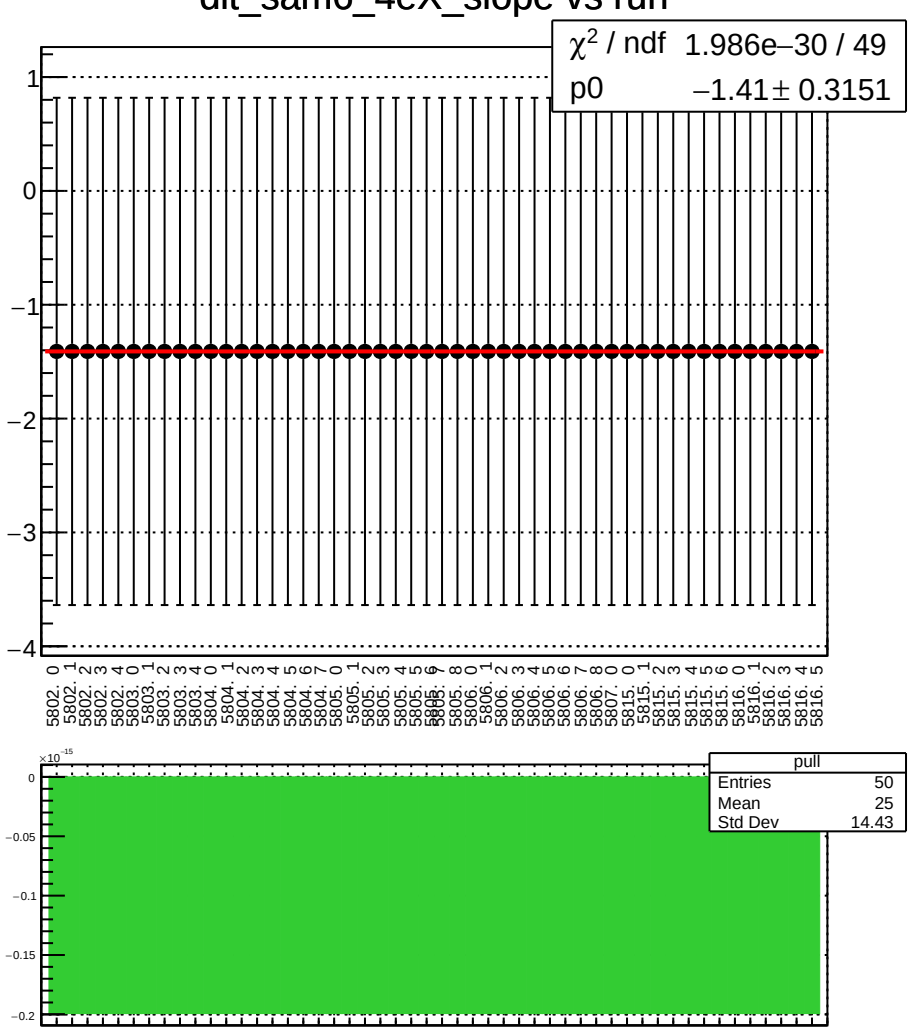

pull1D
Entries 50
Mean 8.042e−14
Std Dev1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

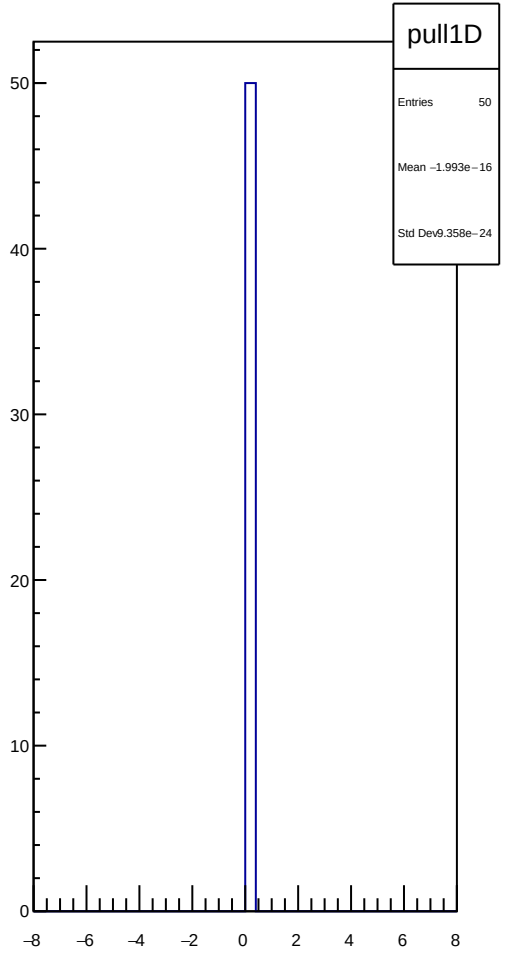

dit_sam5_4eY_slope vs run
χ² / ndf 8.932e−28 / 49
p0 15.6 ± 0.1189
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

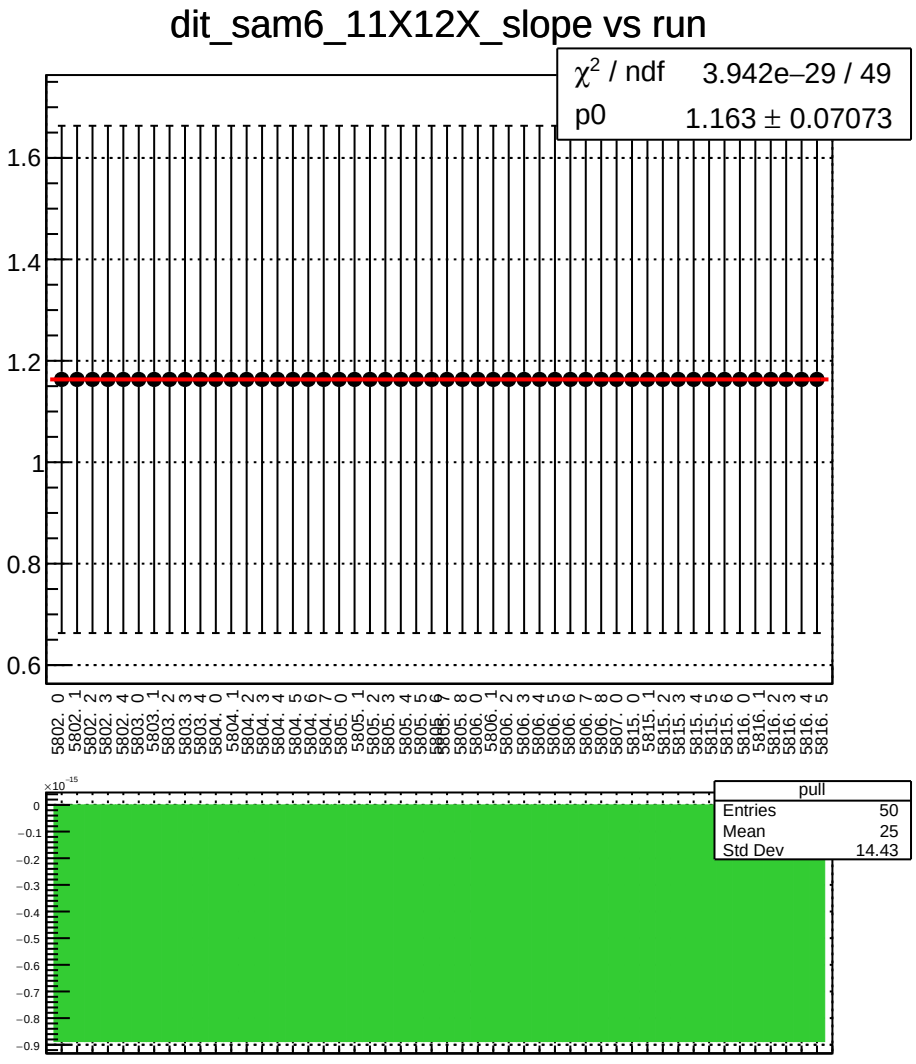

pull1D
Entries 50
Mean 4.226e−15
Std Dev1.588e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

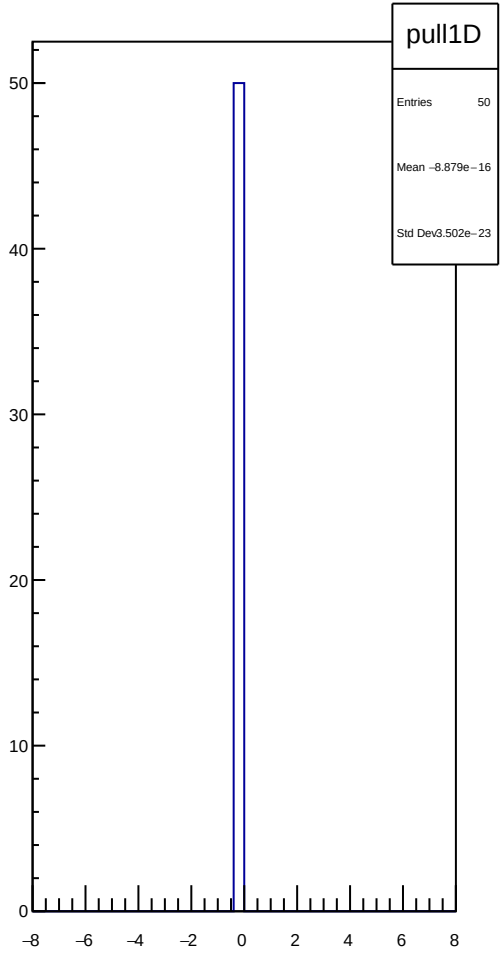

dit_sam6_4aX_slope vs run
χ² / ndf 4.764e−27 / 49
p0 21.78 ± 0.2574
23.5
23
22.5
22
21.5
21
20.5
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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
×10⁻�15
0
−2
−4
−6
−8
−10
pull
Entries 50
Mean 25
Std Dev 14.43

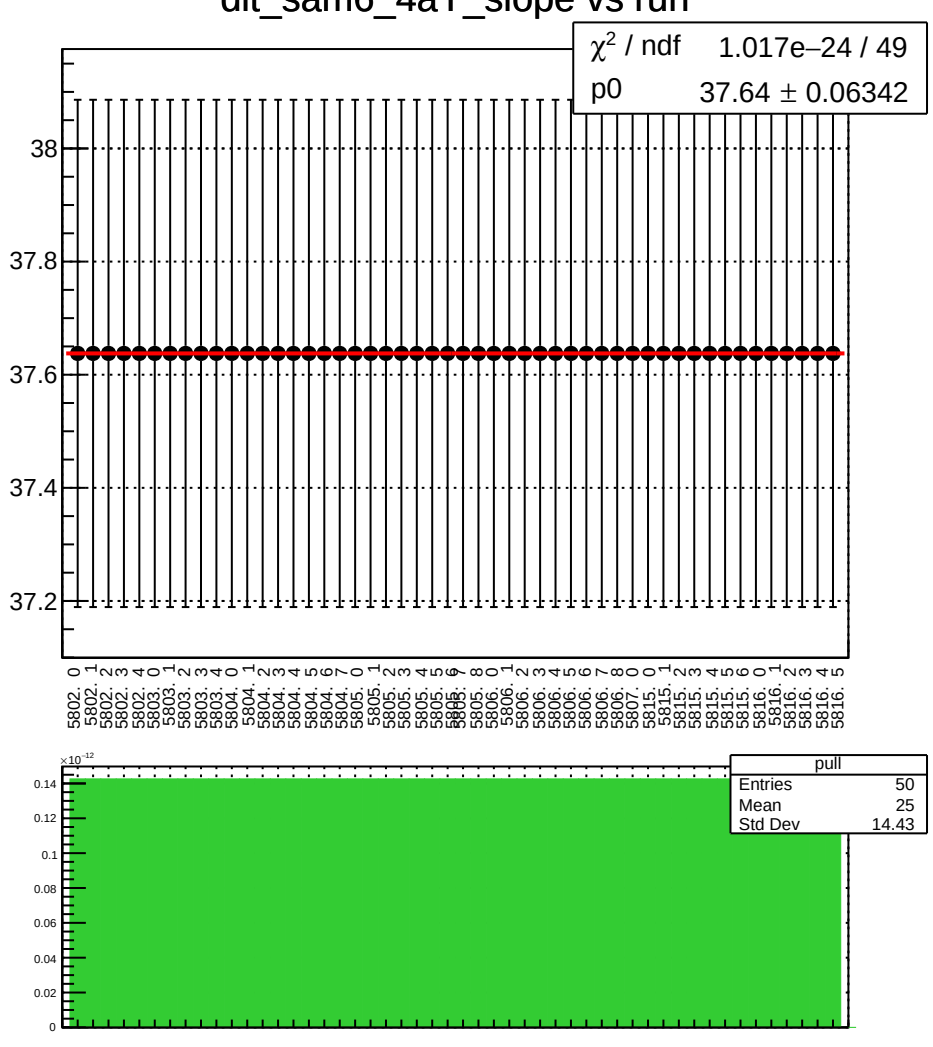

pull1D
Entries 50
Mean −9.761e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

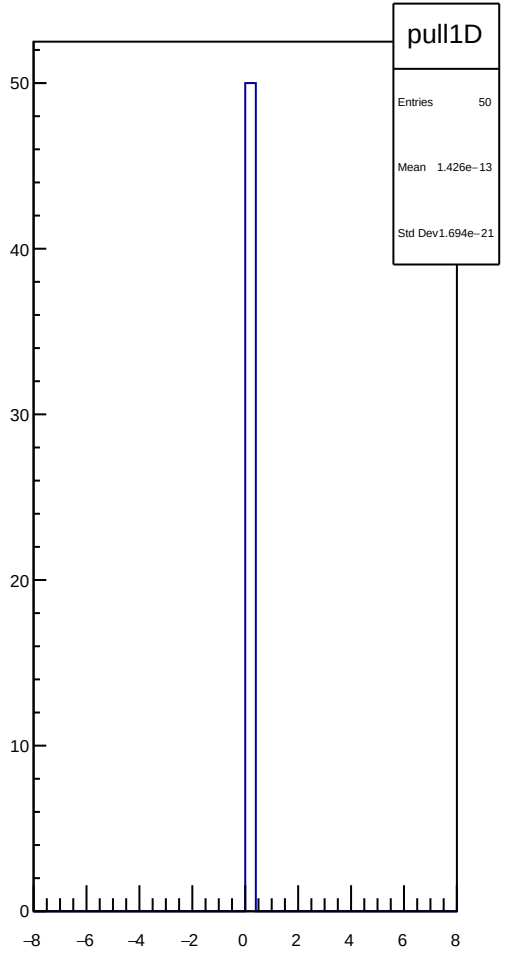

dit_sam6_4eX_slope vs run
χ² / ndf 1.986e−30 / 49
p0 −1.41 ± 0.3151
pull
Entries 50
Mean 25
Std Dev 14.43

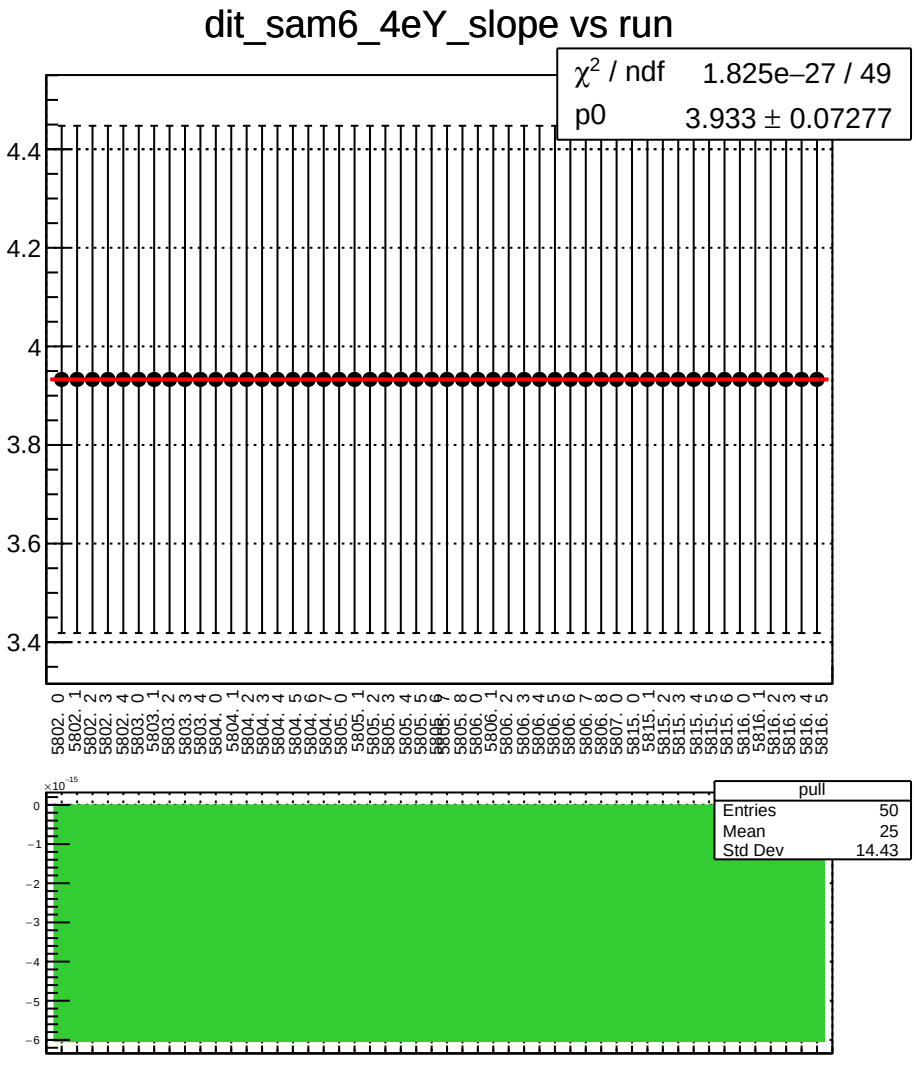

pull1D
Entries 50
Mean −1.993e−16
Std Dev 9.358e−24

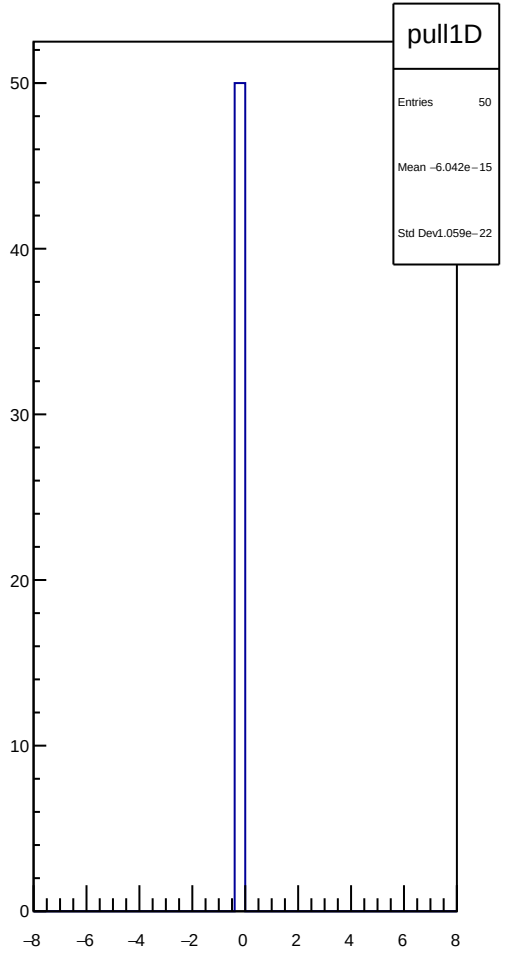

dit_sam6_11X12X_slope vs run
χ² / ndf 3.942e−29 / 49
p0 1.163 ± 0.07073
1.6
1.4
1.2
1
0.8
0.6
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9

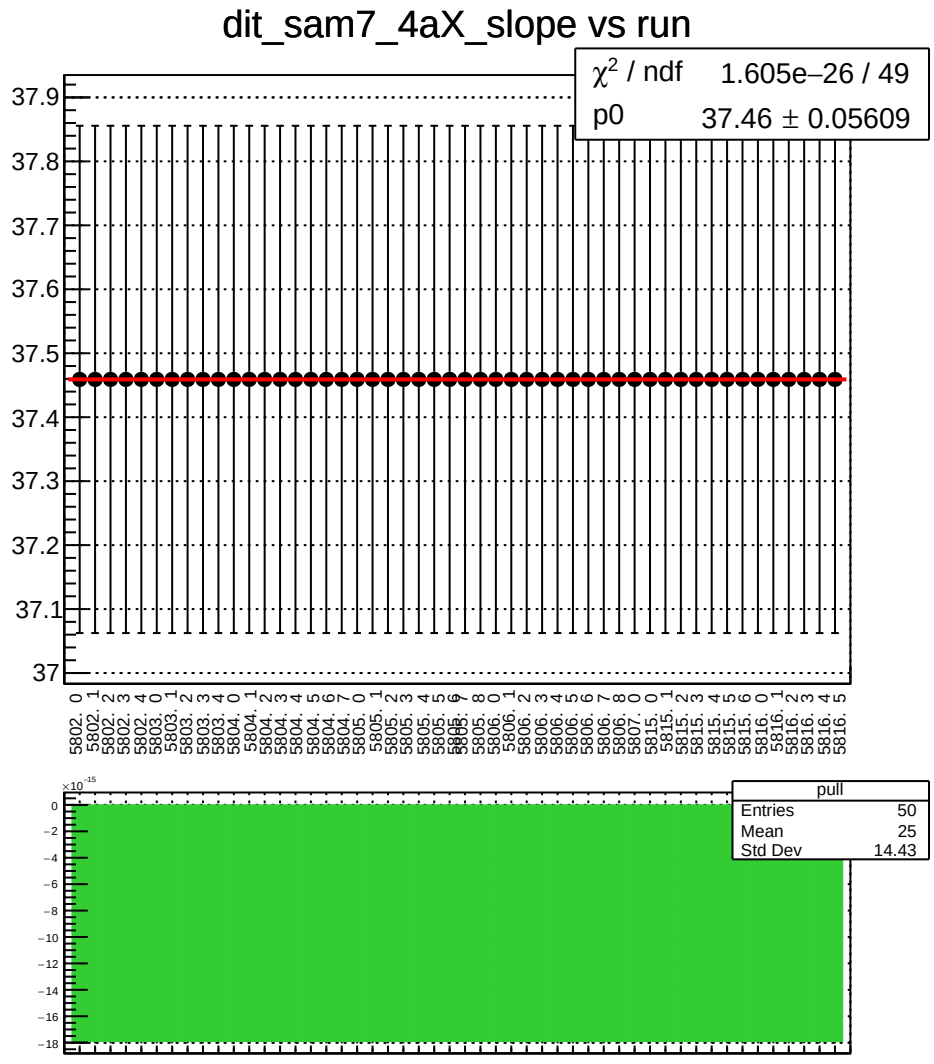

pull1D
Entries 50
Mean −8.879e−16
Std Dev3.502e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

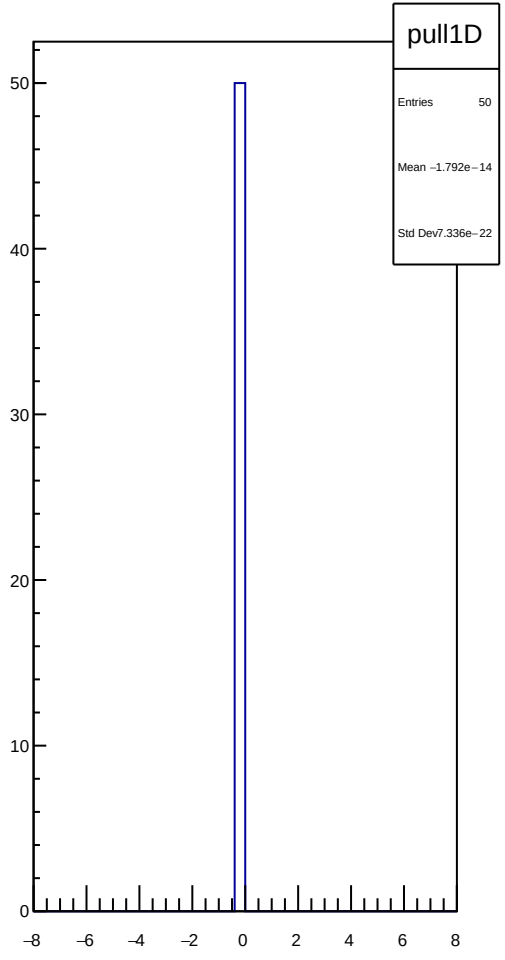

dit_sam6_4aY_slope vs run
χ² / ndf 1.017e−24 / 49
p0 37.64 ± 0.06342
38
37.8
37.6
37.4
37.2
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

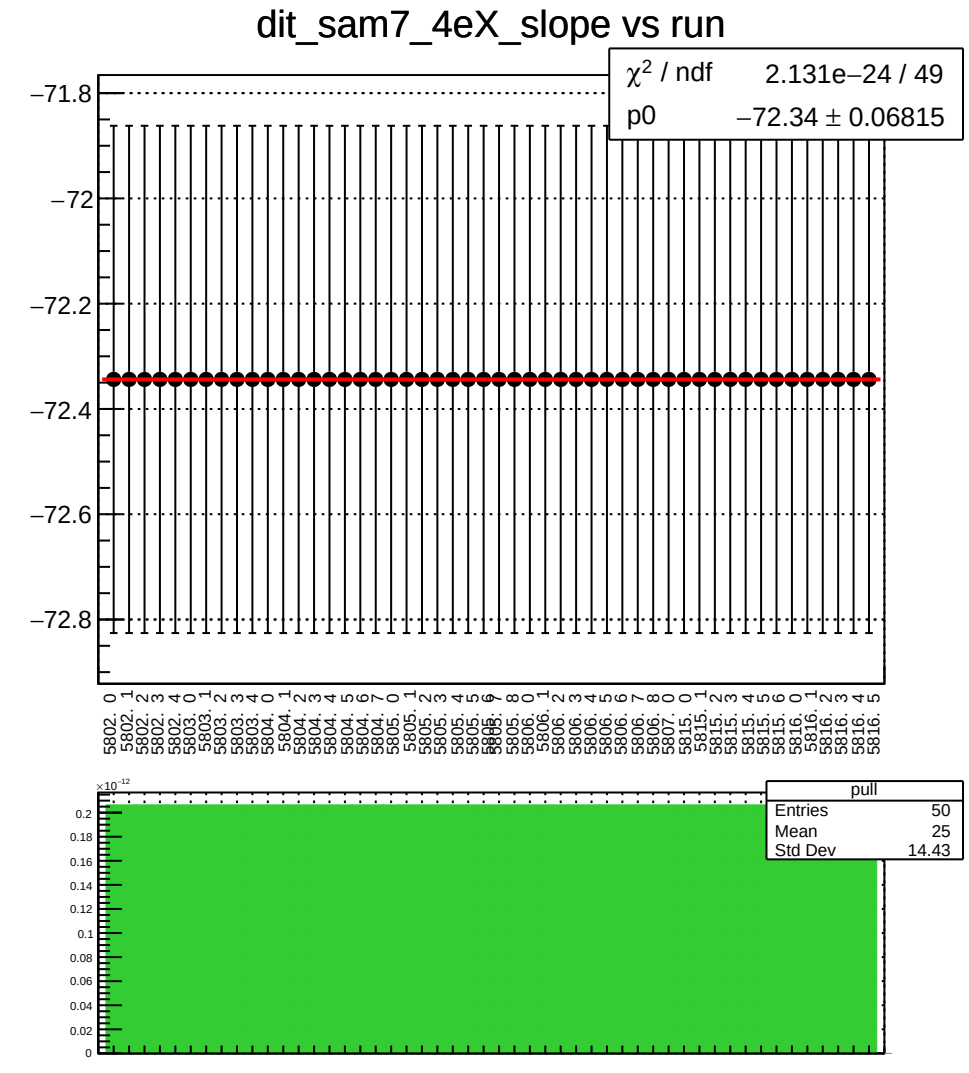

pull1D
Entries 50
Mean 1.426e−13
Std Dev 1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

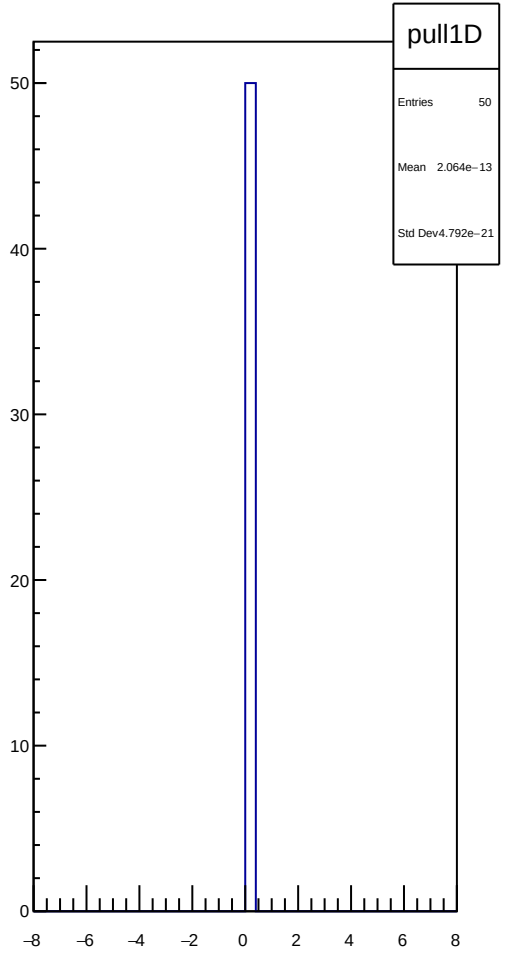

dit_sam6_4eY_slope vs run
χ² / ndf 1.825e−27 / 49
p0 3.933 ± 0.07277
4.4
4.2
4
3.8
3.6
3.4
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

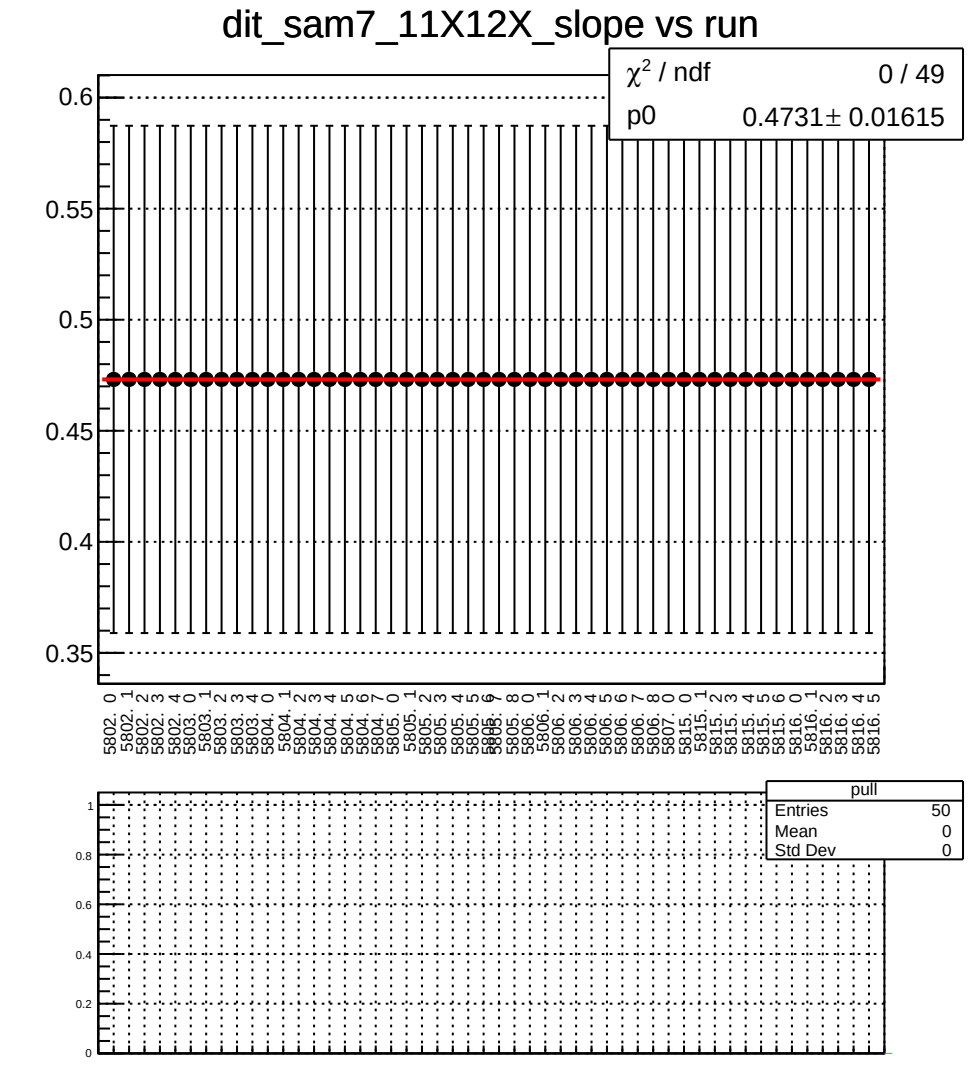

pull1D
Entries 50
Mean −6.042e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

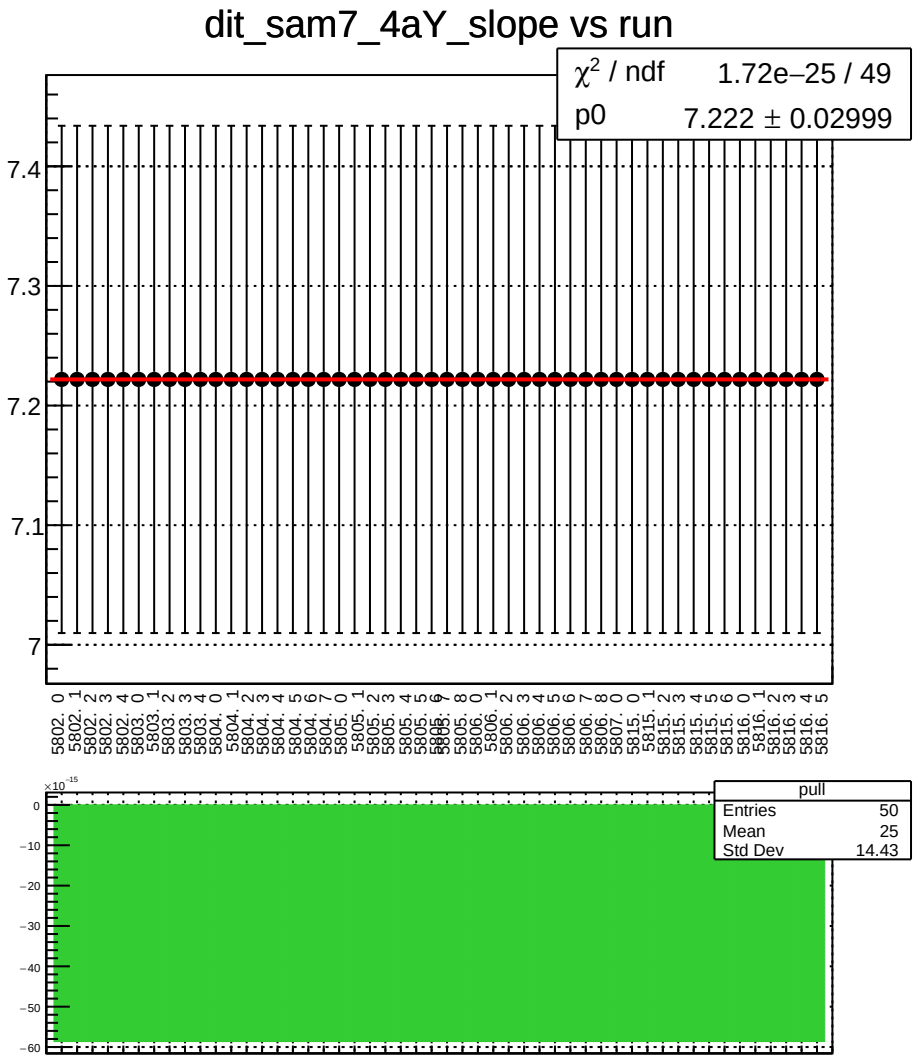

dit_sam7_4aX_slope vs run
χ² / ndf 1.605e−26 / 49
p0 37.46 ± 0.05609
37.9
37.8
37.7
37.6
37.5
37.4
37.3
37.2
37.1
37
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

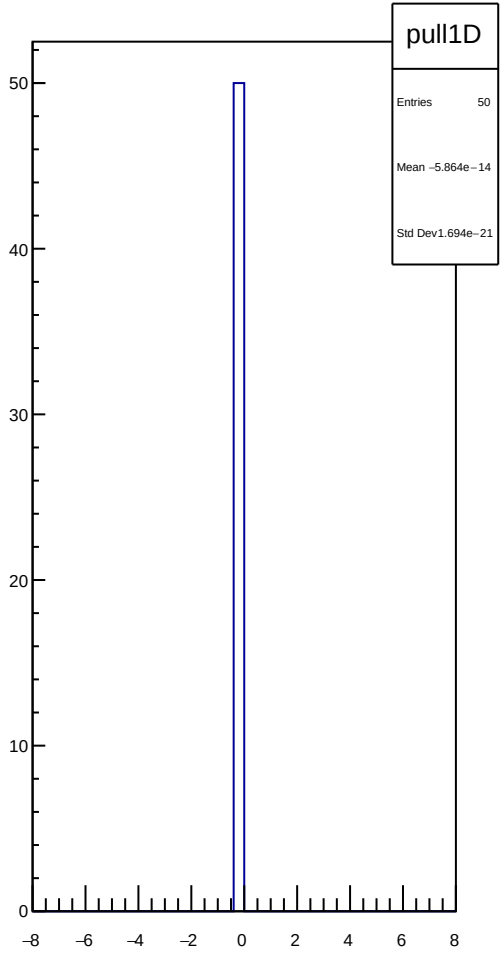

pull1D
Entries 50
Mean −1.792e−14
Std Dev7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

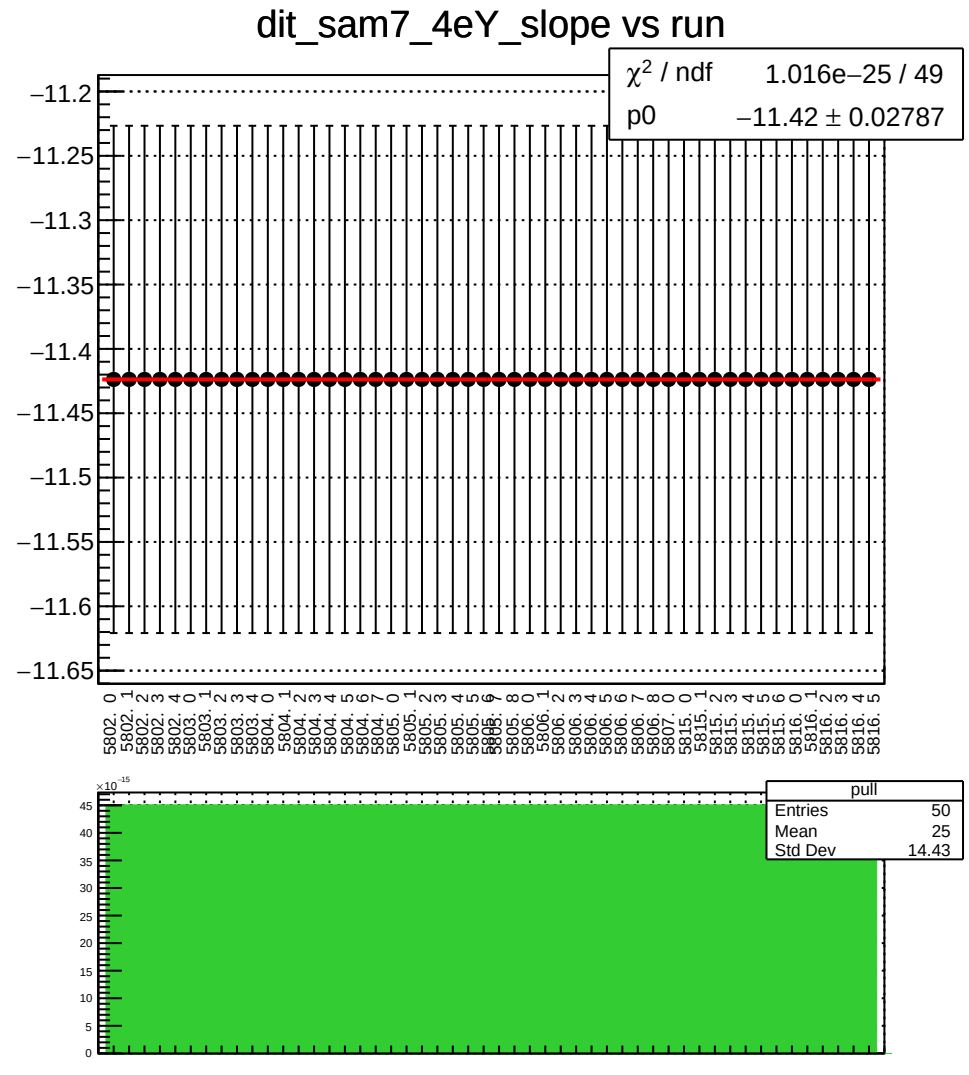

dit_sam7_4eX_slope vs run
χ² / ndf 2.131e−24 / 49
p0 −72.34 ± 0.06815
−71.8
−72
−72.2
−72.4
−72.6
−72.8
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

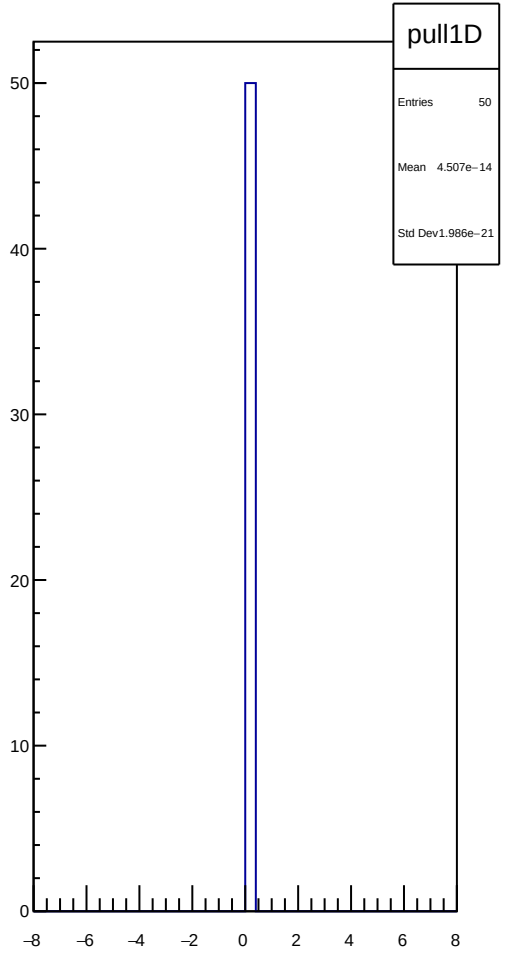

pull1D
Entries 50
Mean 2.064e−13
Std Dev 4.792e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

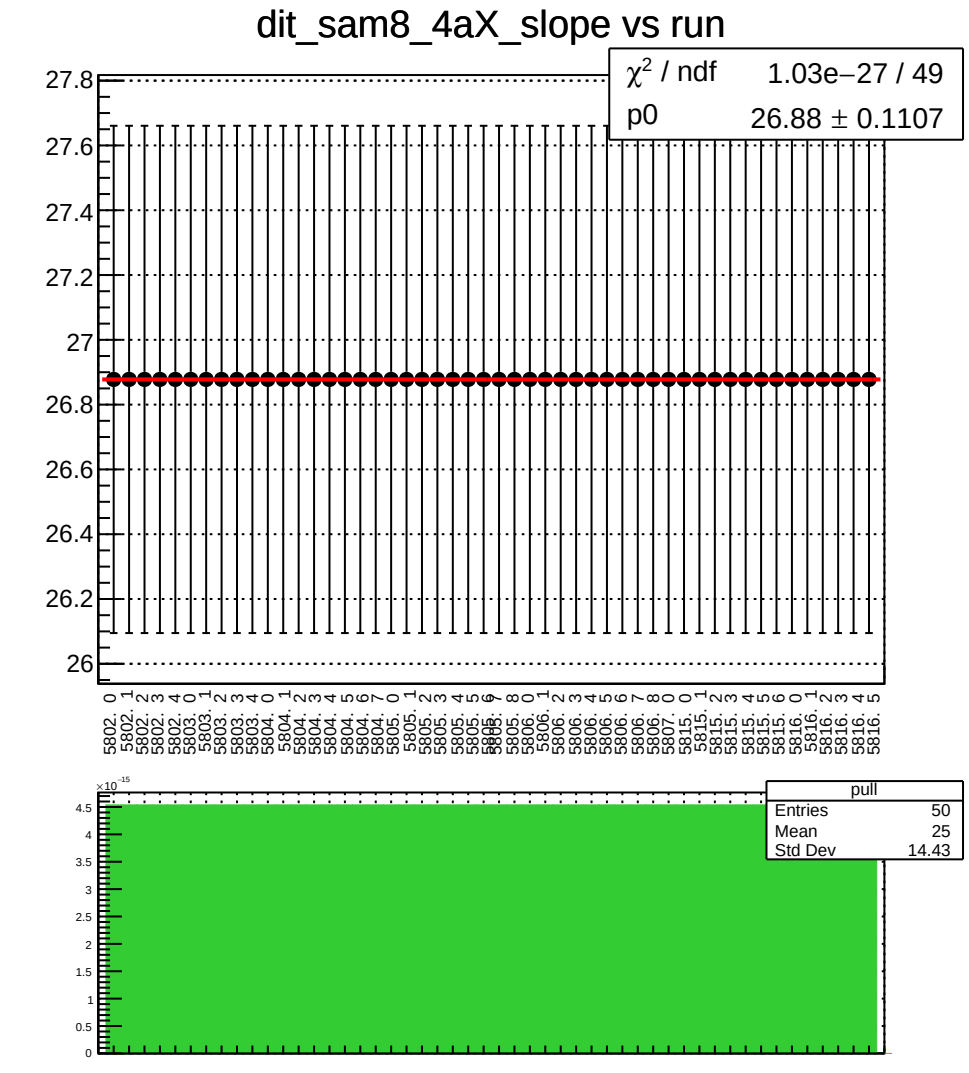

dit_sam7_11X12X_slope vs run
χ² / ndf 0 / 49
p0 0.4731± 0.01615
0.6
0.55
0.5
0.45
0.4
0.35
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 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

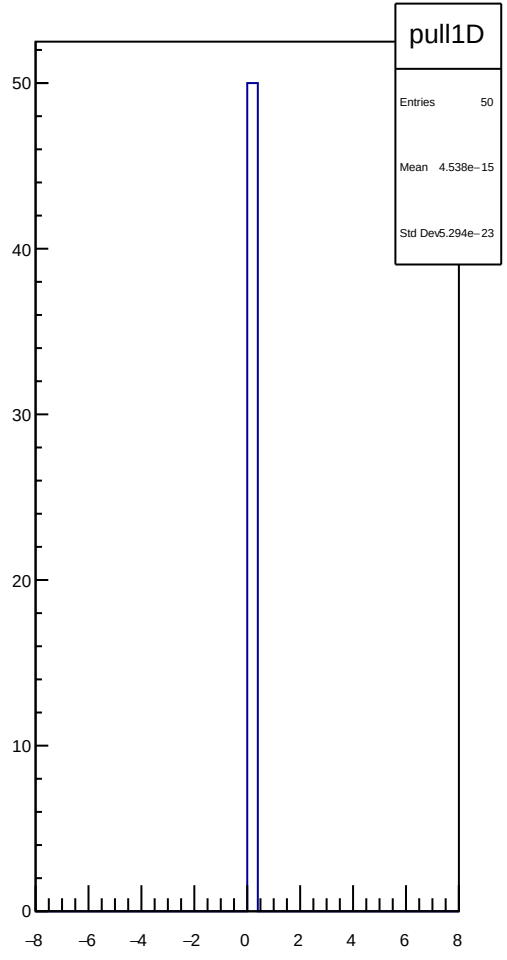

dit_sam7_4aY_slope vs run
χ² / ndf 1.72e−25 / 49
p0 7.222 ± 0.02999
7.4
7.3
7.2
7.1
7
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
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
−10
−20
−30
−40
−50
−60
pull
Entries 50
Mean 25
Std Dev 14.43

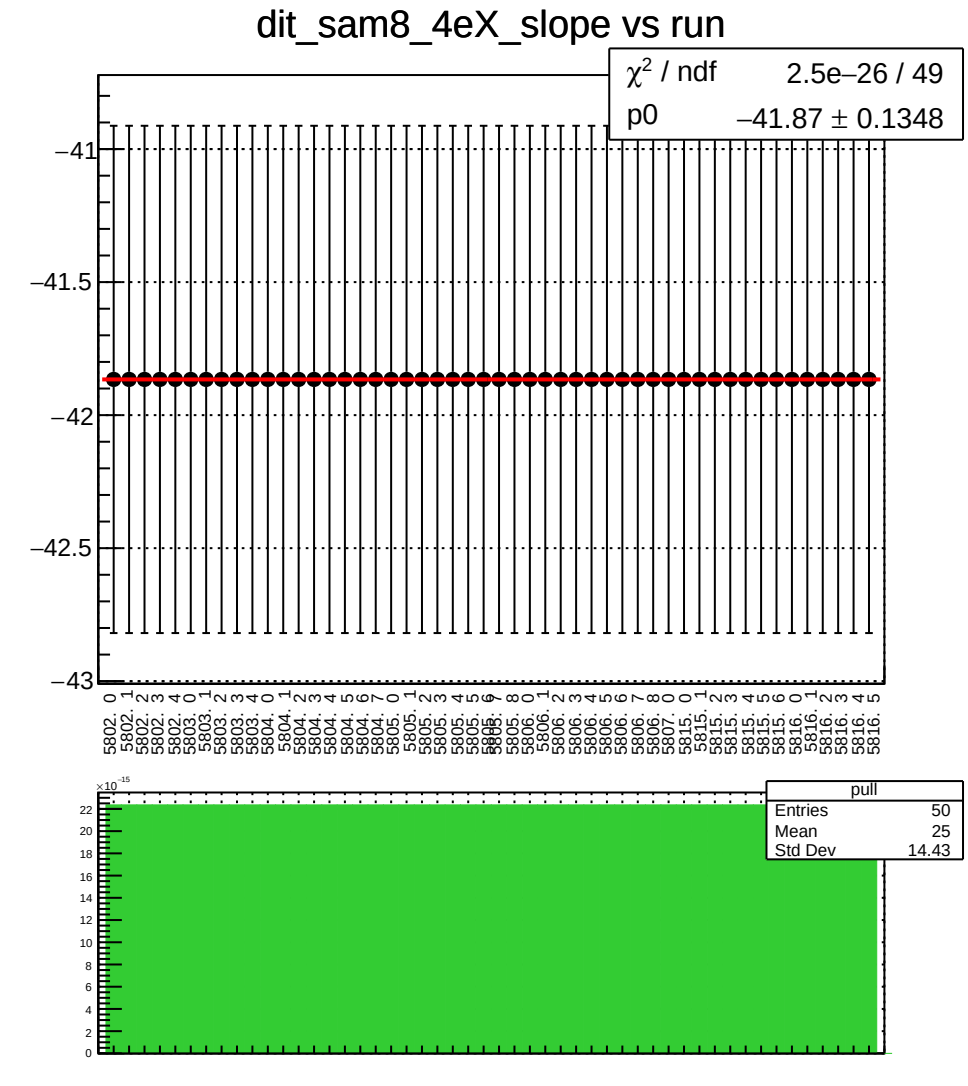

pull1D
Entries 50
Mean −5.864e−14
Std Dev1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

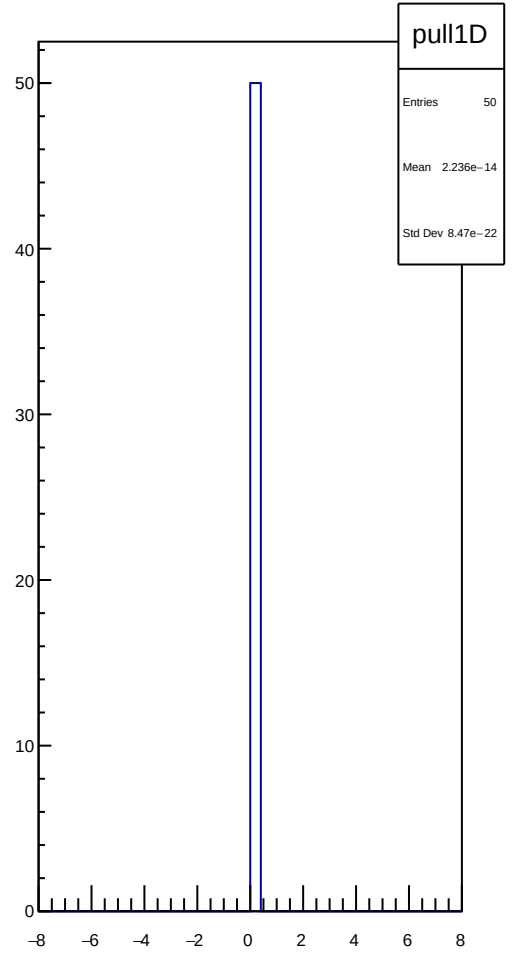

dit_sam7_4eY_slope vs run
χ² / ndf 1.016e−25 / 49
p0 −11.42 ± 0.02787
−11.2
−11.25
−11.3
−11.35
−11.4
−11.45
−11.5
−11.55
−11.6
−11.65
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

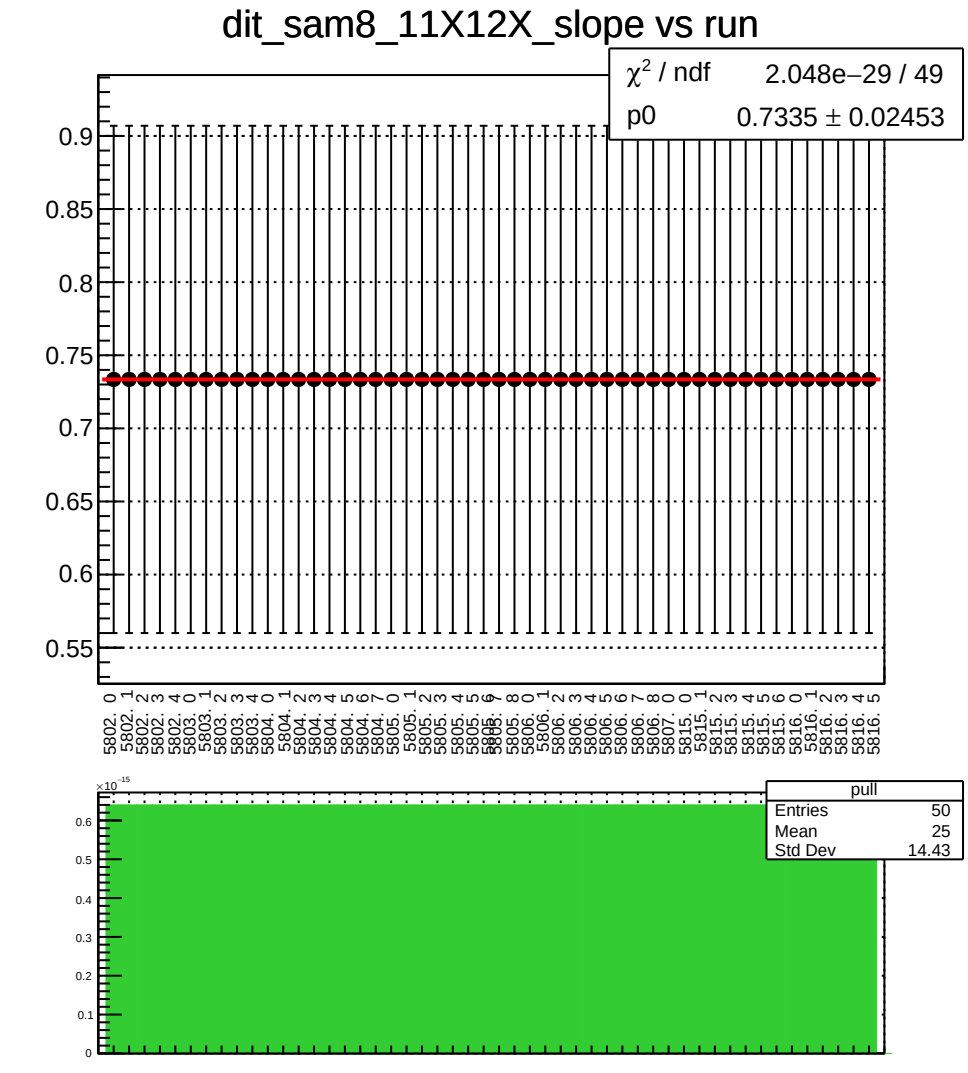

pull1D
Entries 50
Mean 4.507e−14
Std Dev 1.986e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

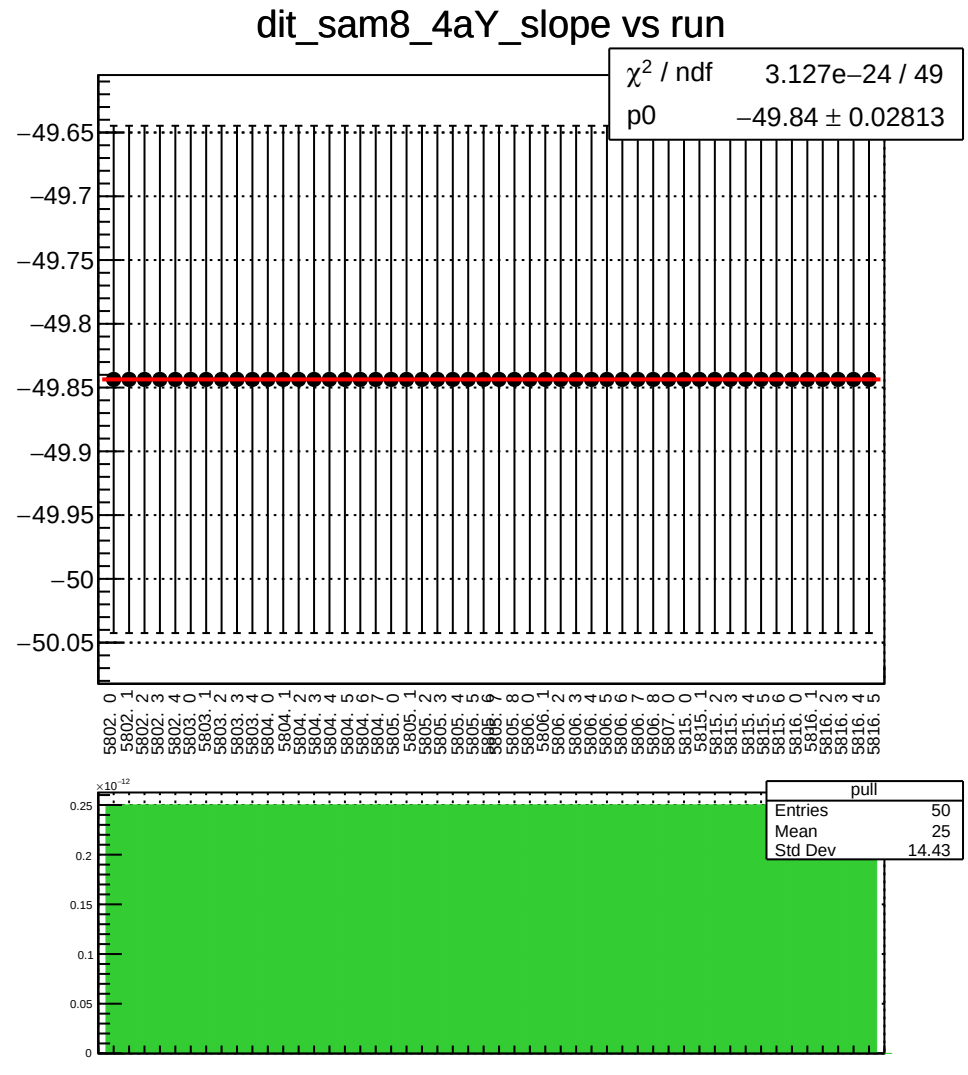

dit_sam8_4aX_slope vs run
χ² / ndf 1.03e−27 / 49
p0 26.88 ± 0.1107
27.8
27.6
27.4
27.2
27
26.8
26.6
26.4
26.2
26
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 50
Mean 25
Std Dev 14.43

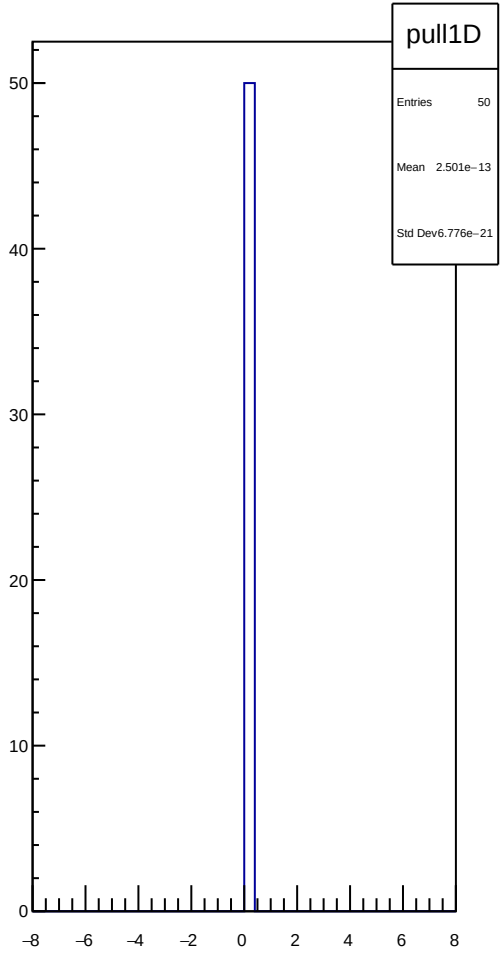

pull1D
Entries 50
Mean 4.538e−15
Std Dev 5.294e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

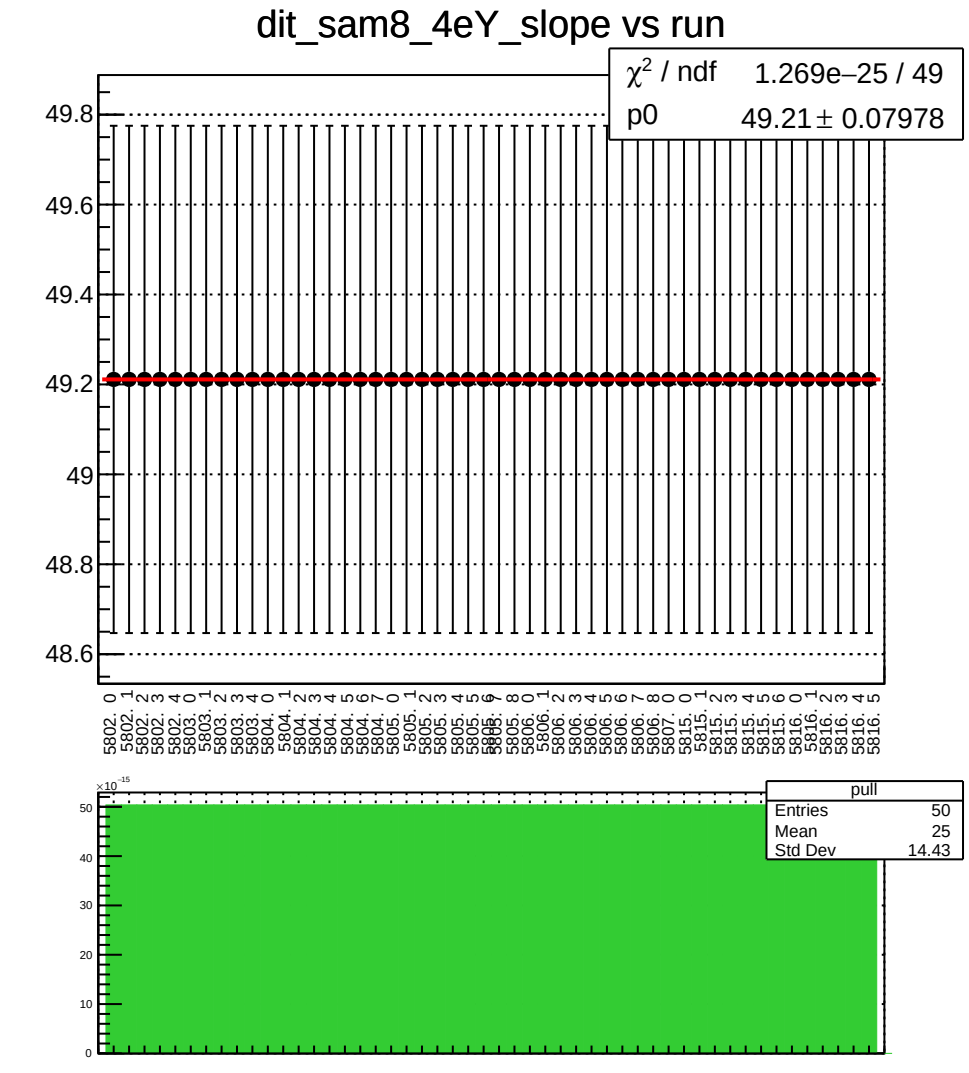

dit_sam8_4eX_slope vs run
χ² / ndf 2.5e−26 / 49
p0 −41.87 ± 0.1348
−41
−41.5
−42
−42.5
−43
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

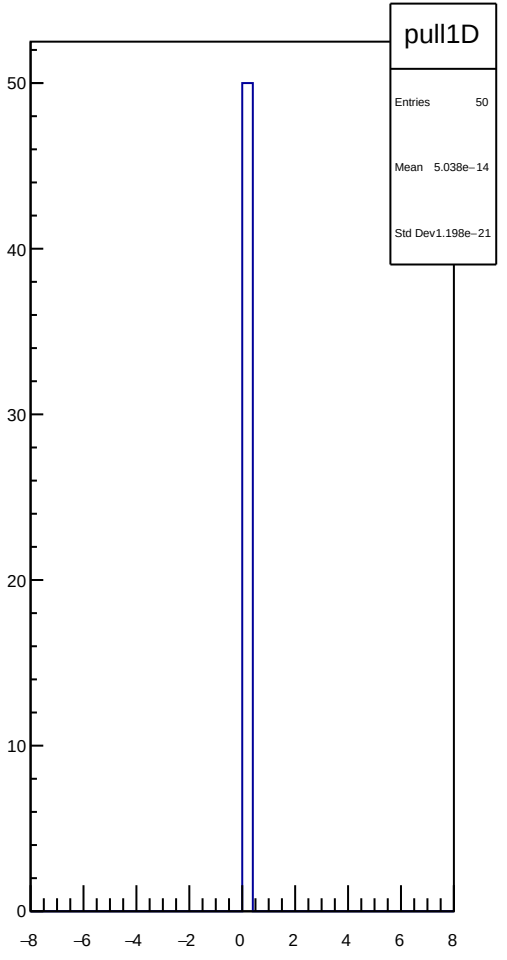

pull1D
Entries 50
Mean 2.236e−14
Std Dev 8.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

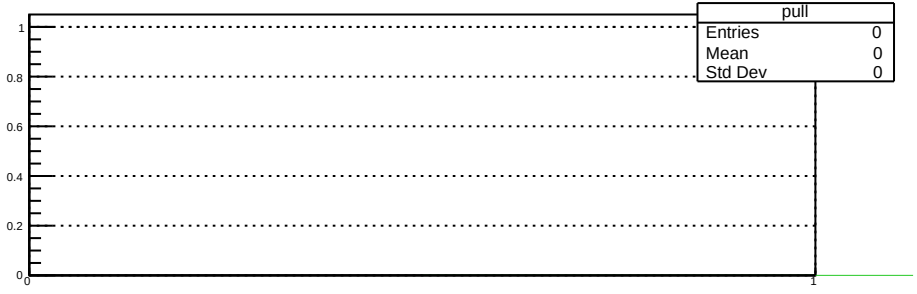

dit_sam8_11X12X_slope vs run
χ^2 / ndf 2.048e−29 / 49
p0 0.7335 ± 0.02453
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
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
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 50
Mean 25
Std Dev 14.43
pull1D
Entries 50
Mean 6.4e−16
Std Dev 9.358e−24
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

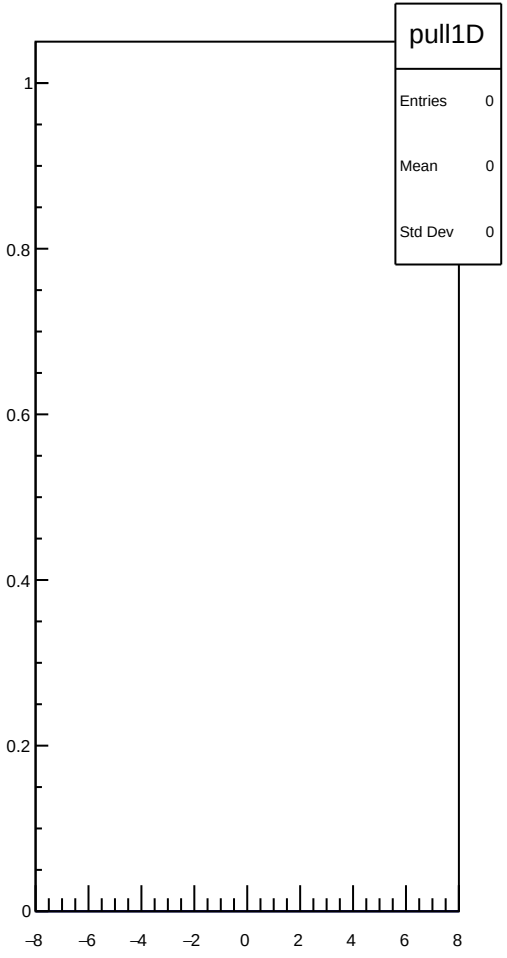

dit_sam8_4aY_slope vs run
χ² / ndf 3.127e−24 / 49
p0 −49.84 ± 0.02813
−49.65
−49.7
−49.75
−49.8
−49.85
−49.9
−49.95
−50
−50.05
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

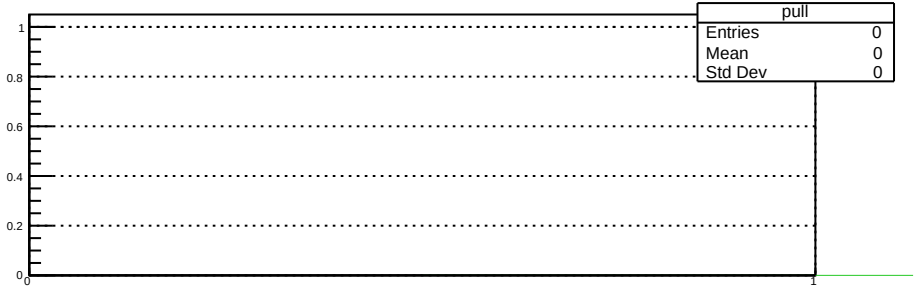

pull1D
Entries 50
Mean 2.501e−13
Std Dev6.776e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

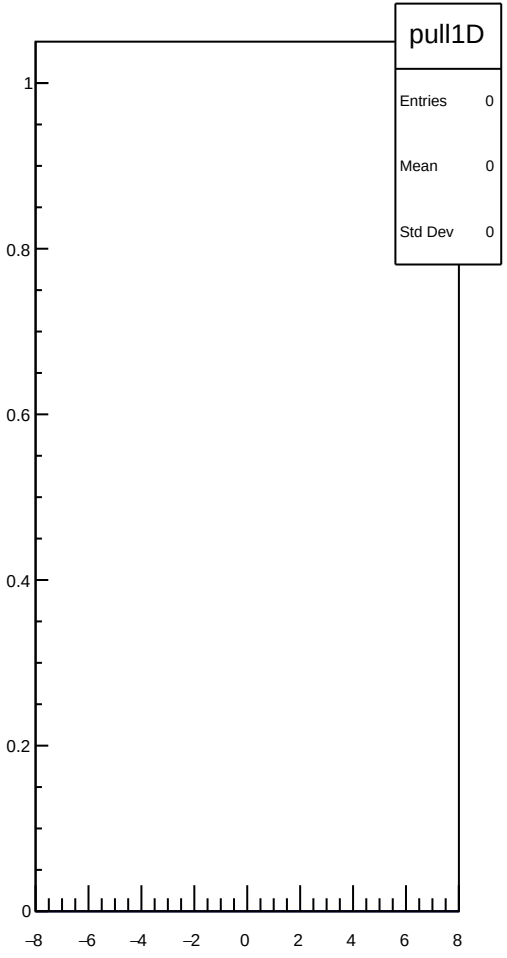

dit_sam8_4eY_slope vs run
χ² / ndf 1.269e−25 / 49
p0 49.21 ± 0.07978
49.8
49.6
49.4
49.2
49
48.8
48.6
pull
Entries 50
Mean 25
Std Dev 14.43
×10⁻¹⁵
50
40
30
20
10
0

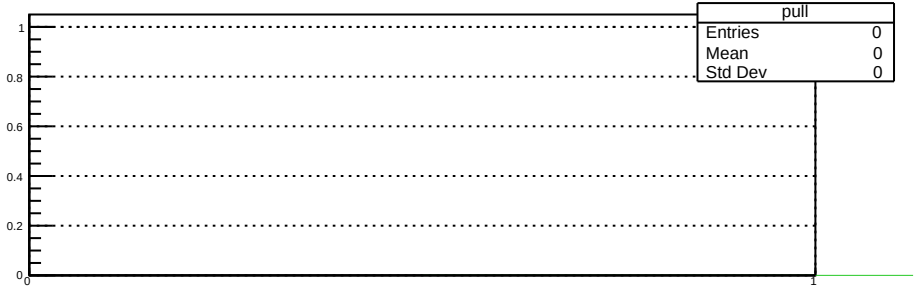

pull1D
Entries 50
Mean 5.038e−14
Std Dev 1.198e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

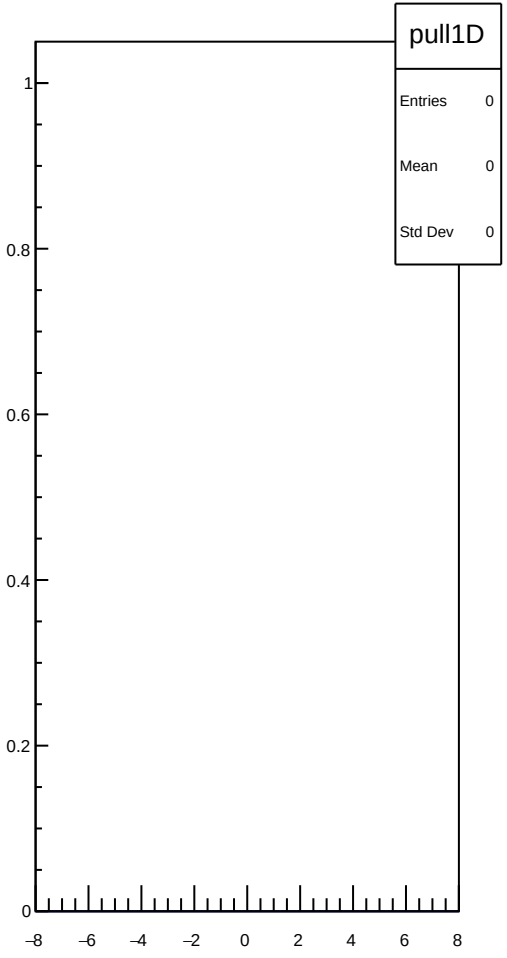

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

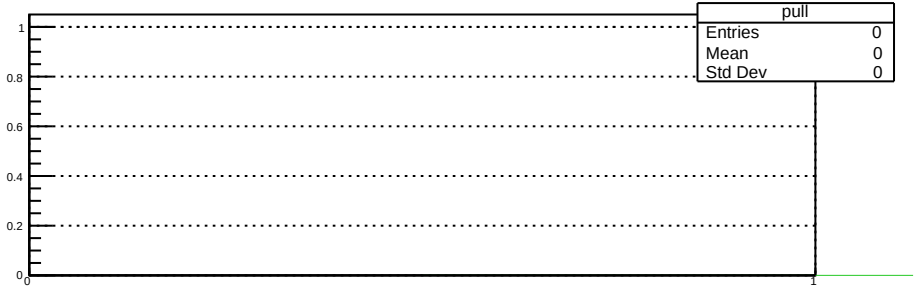

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

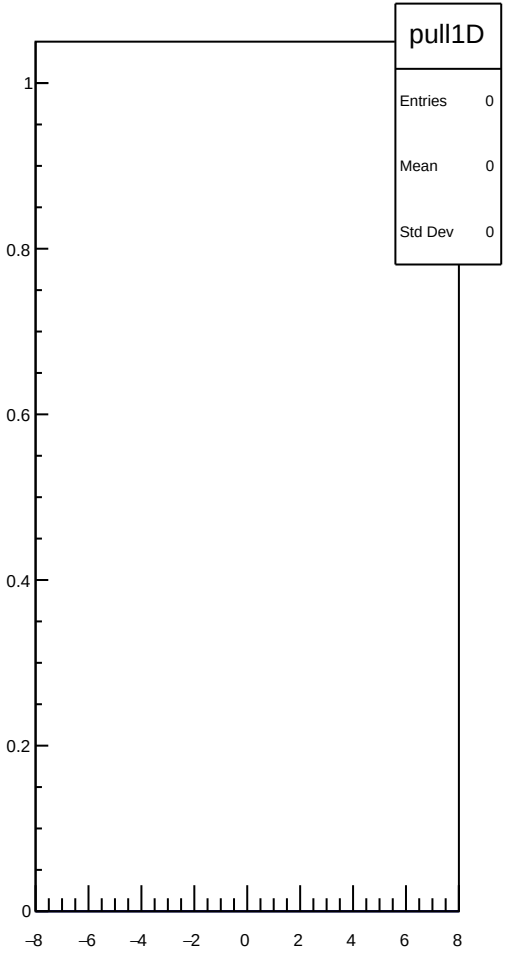

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

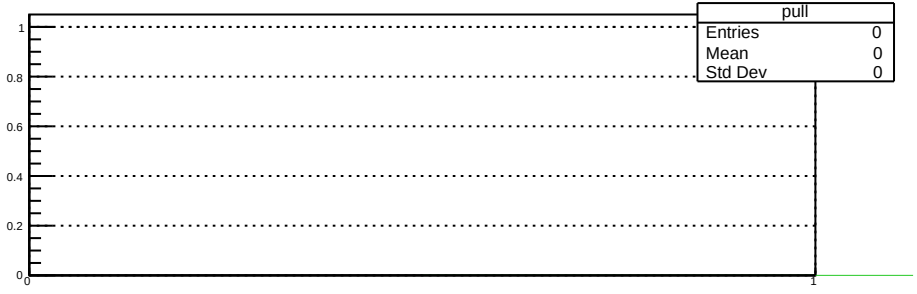

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

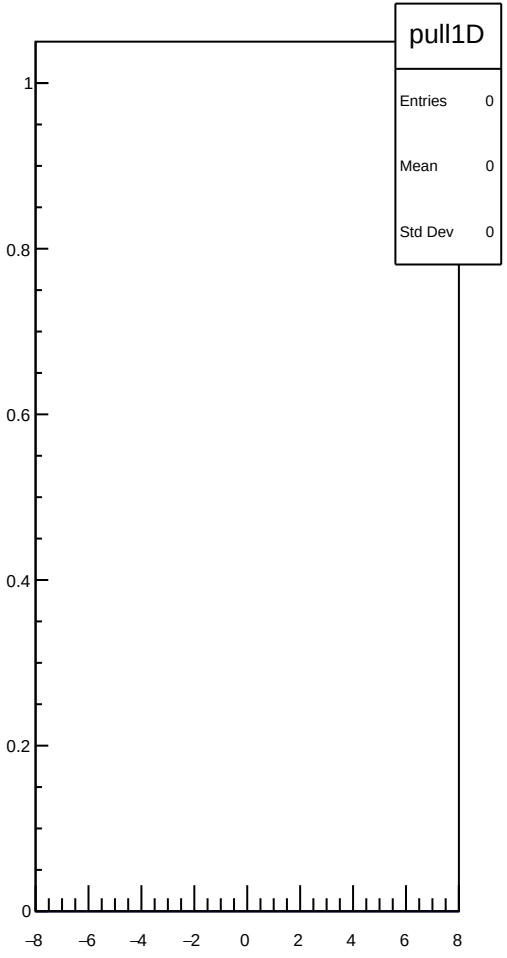

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

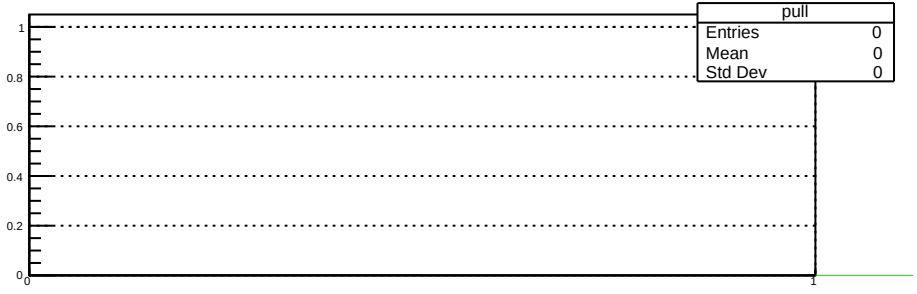

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

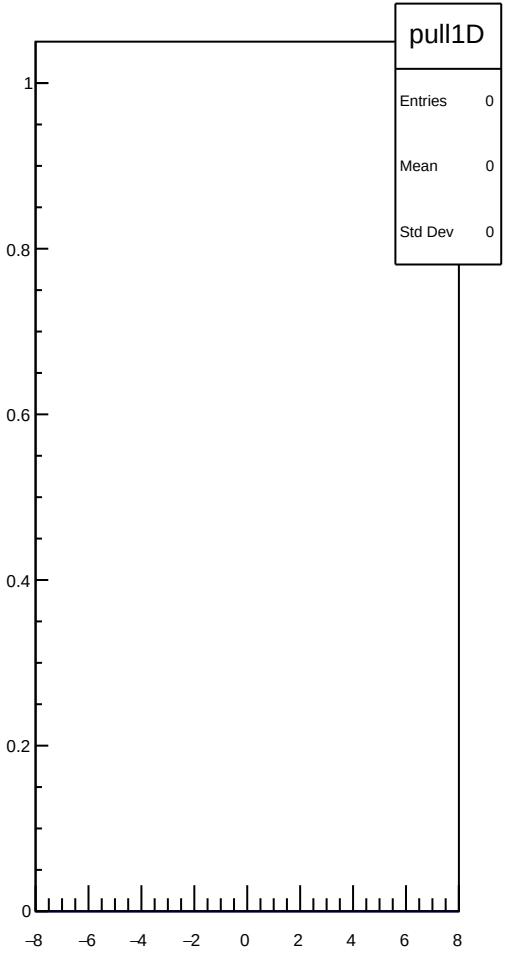

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

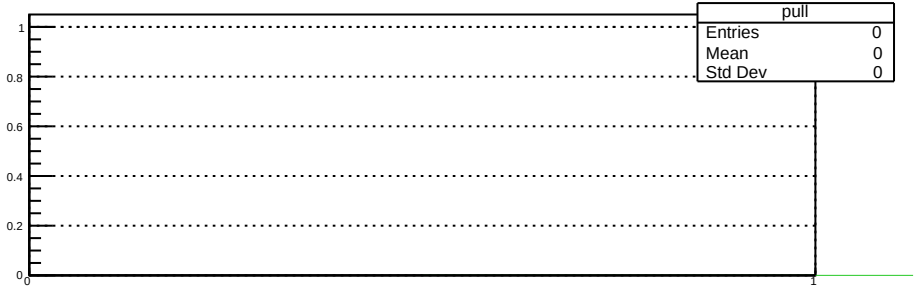

pull1D
Entries 0
Mean 0
Std Dev 0
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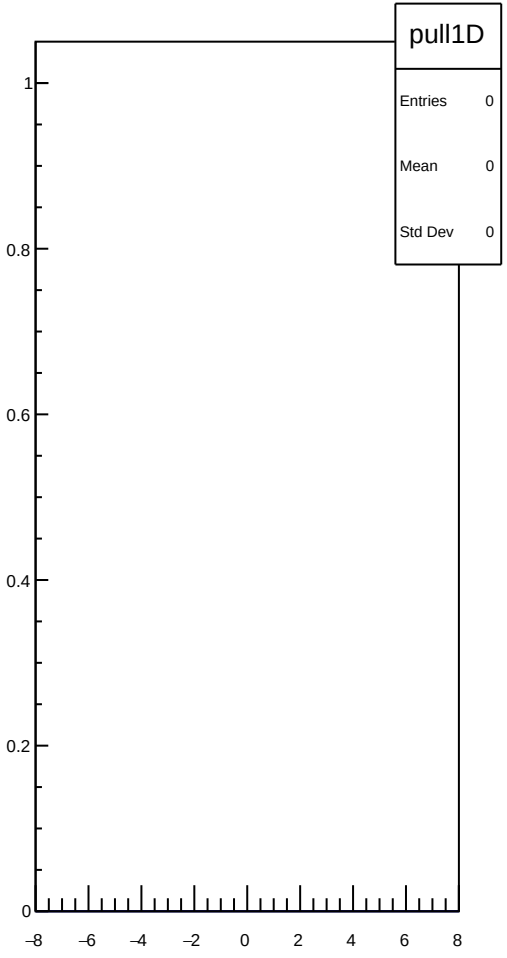

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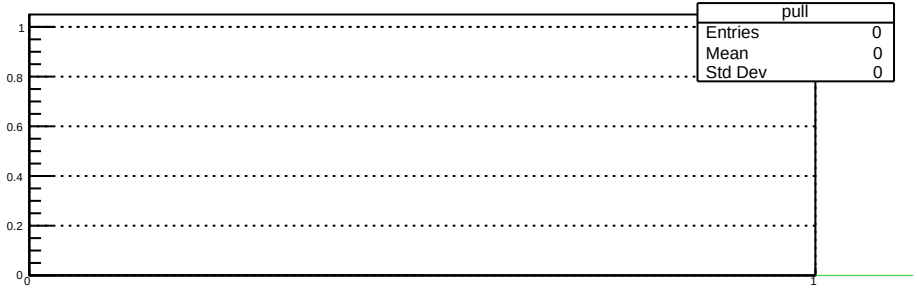

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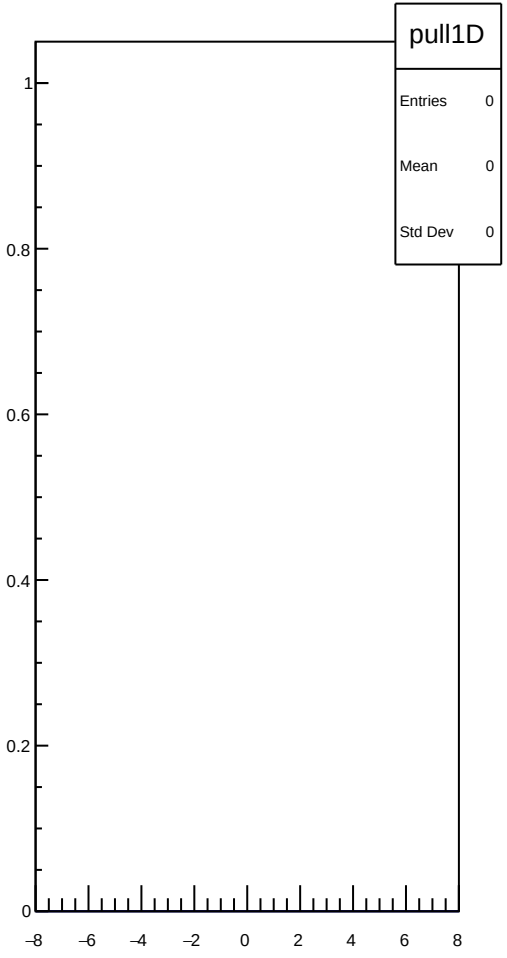

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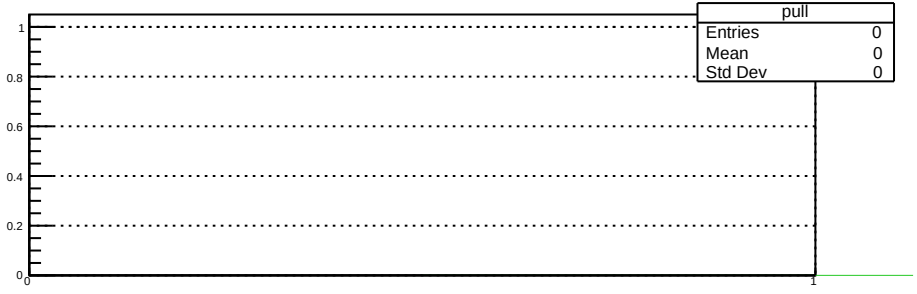

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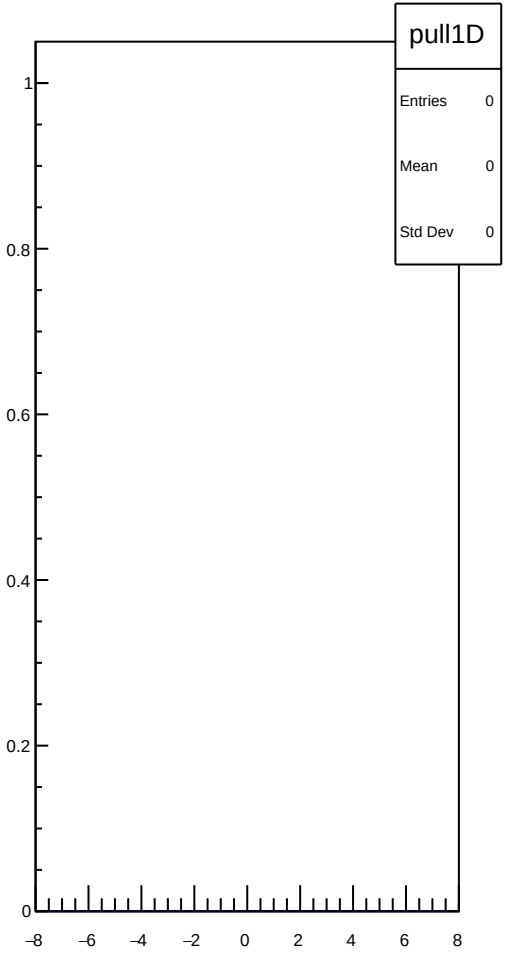

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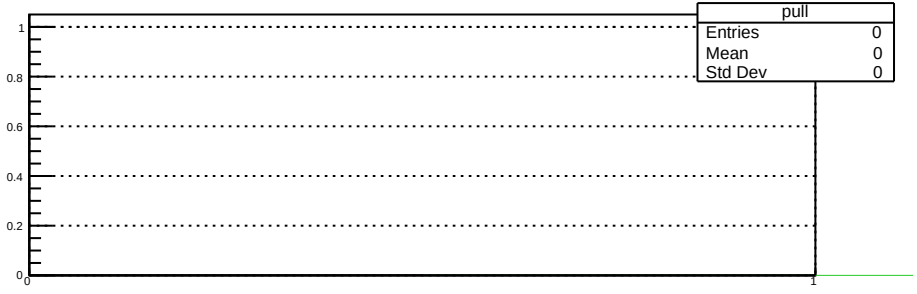

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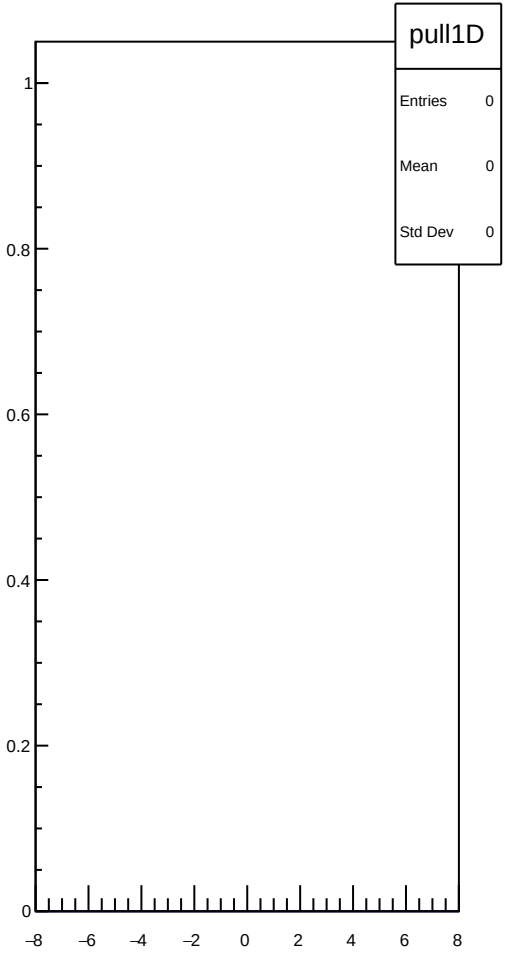

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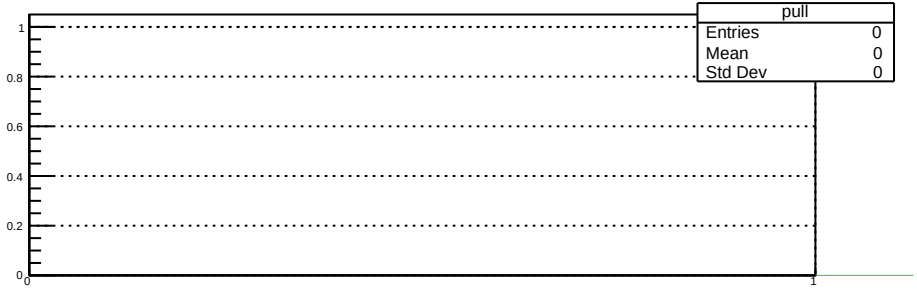

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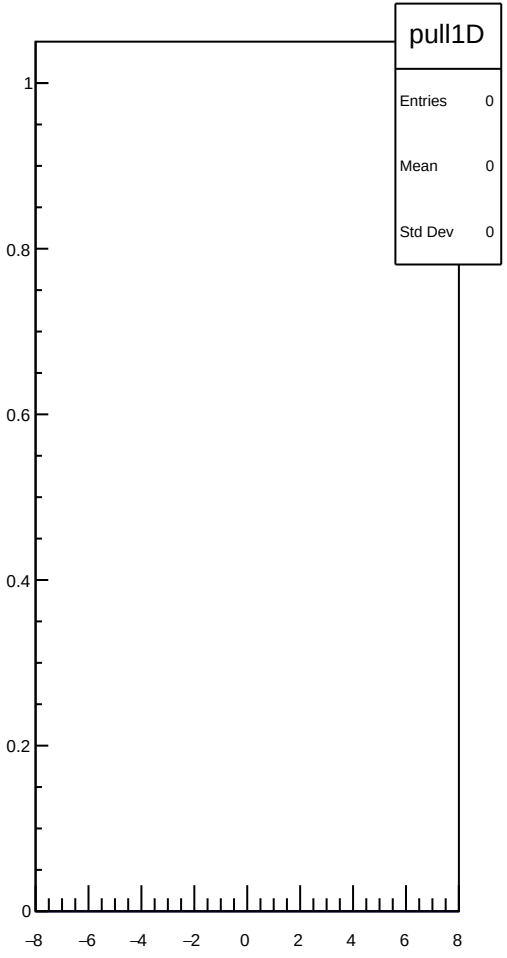

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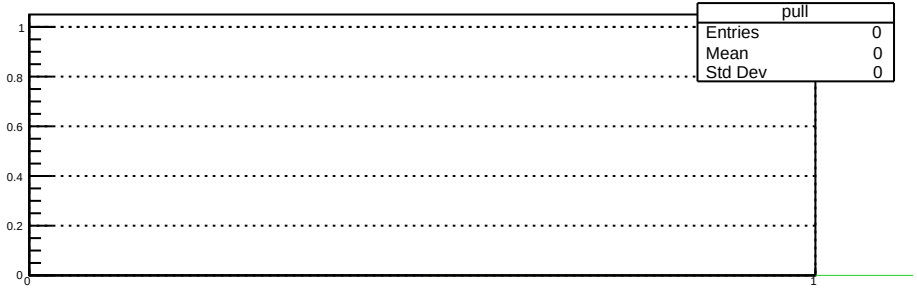

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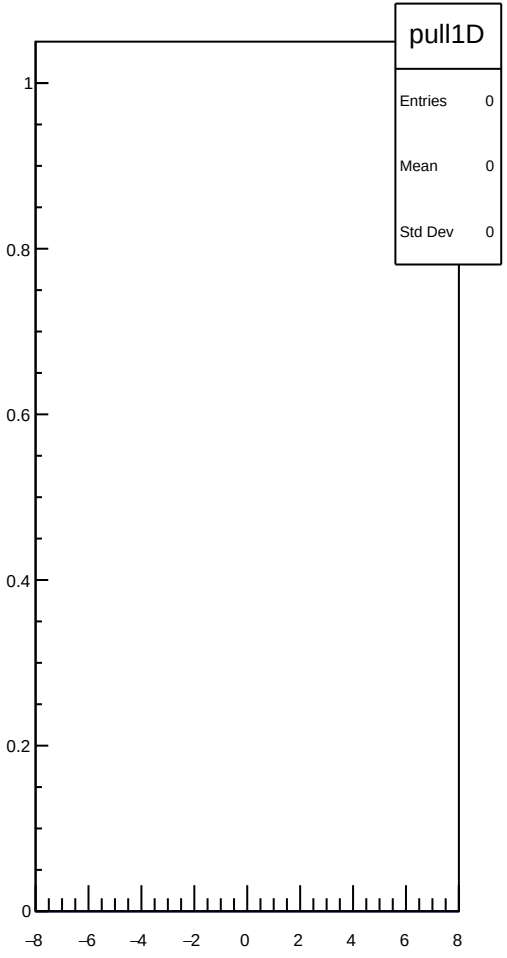

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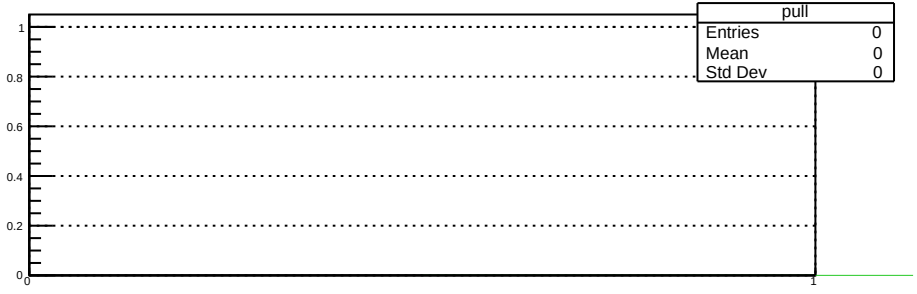

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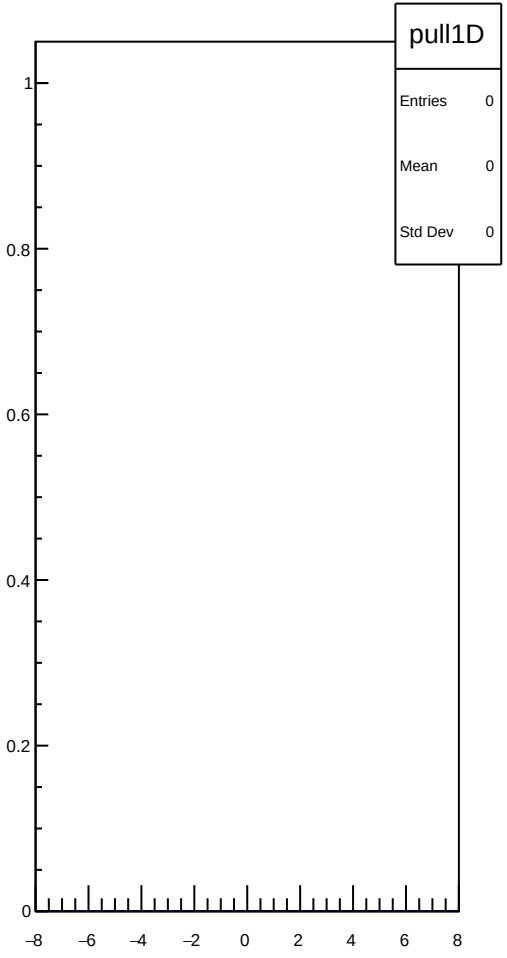

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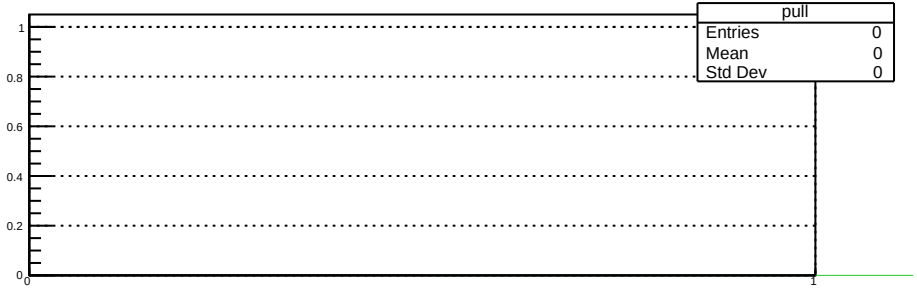

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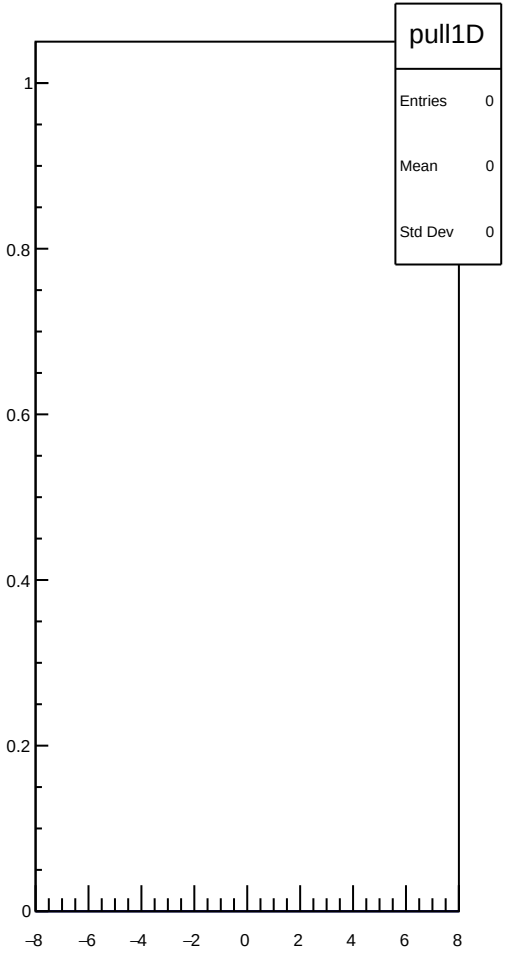

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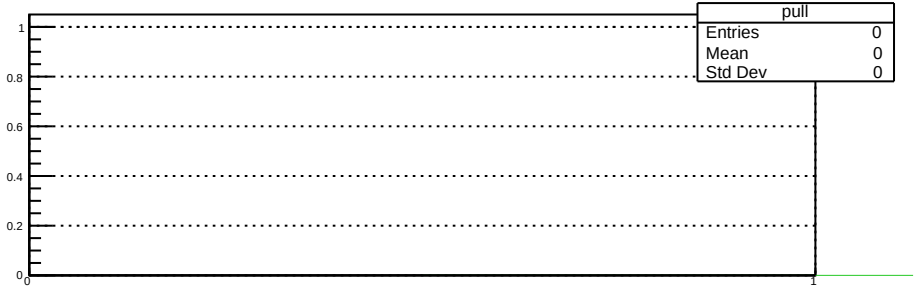

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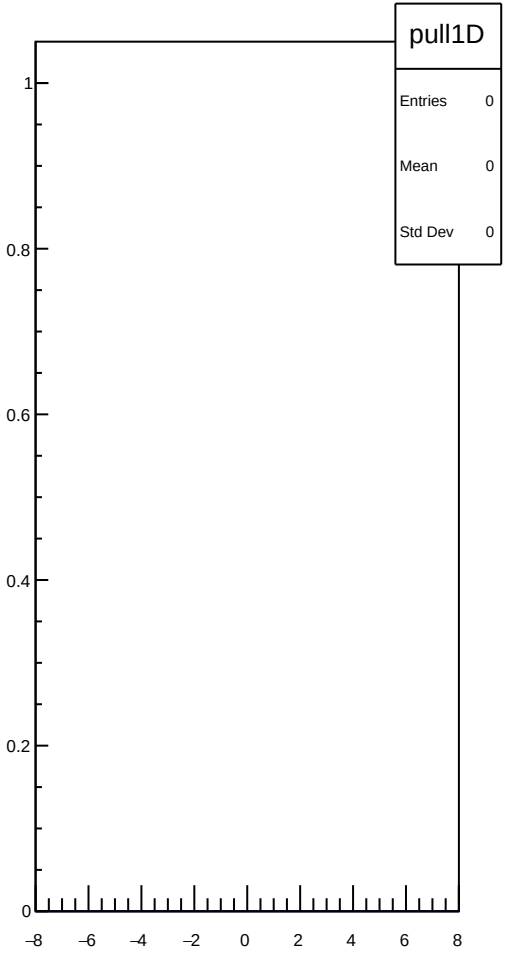

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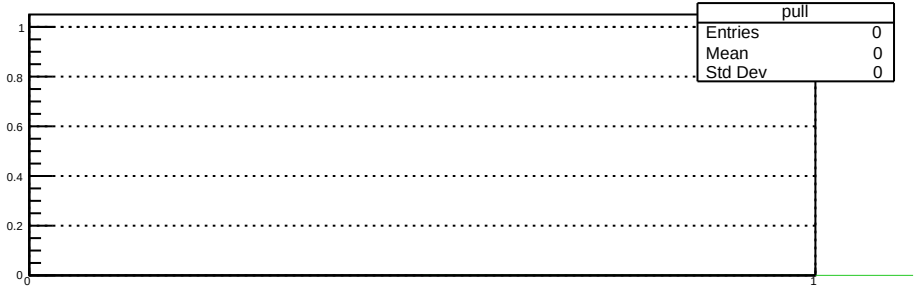

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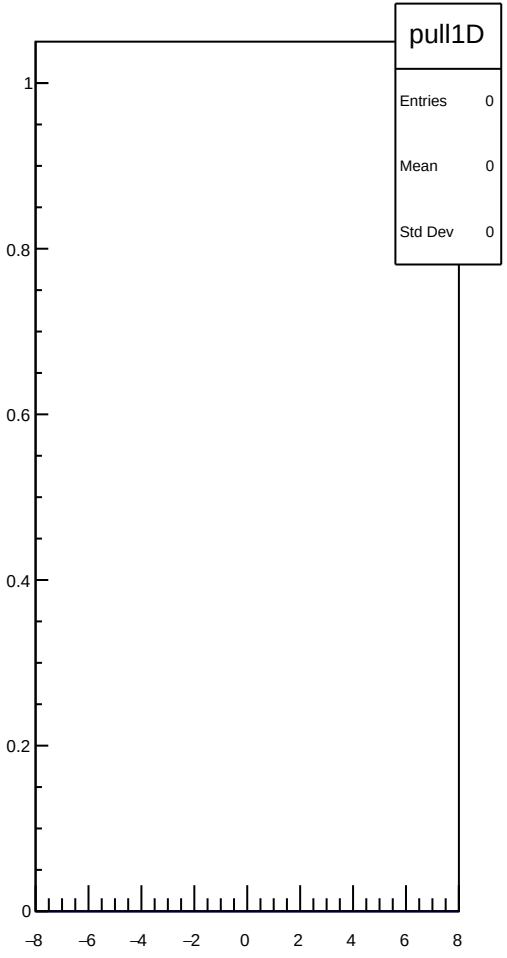

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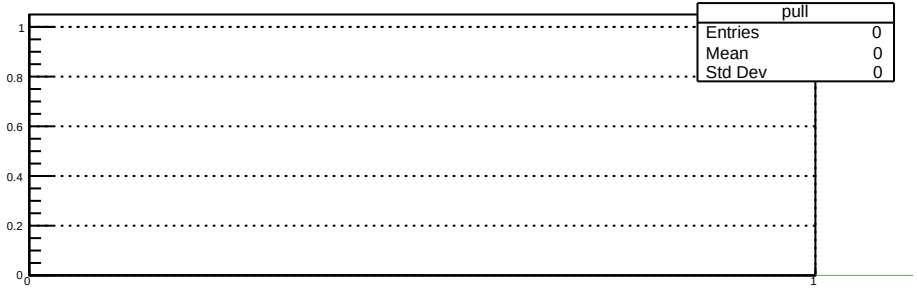

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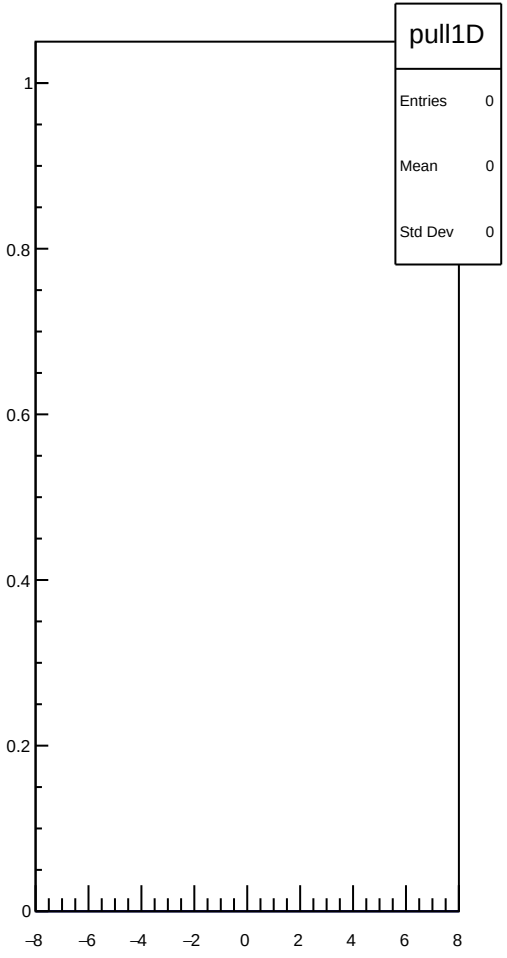

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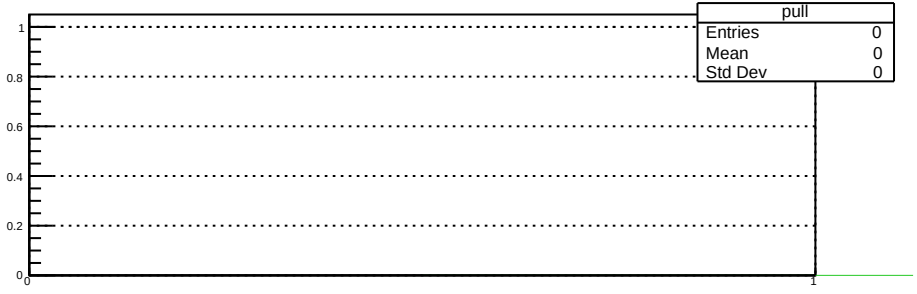

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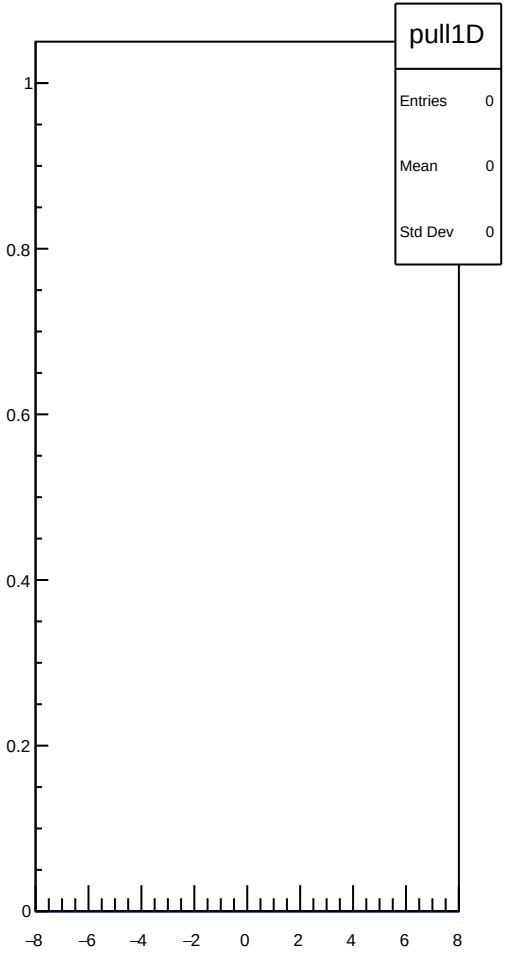

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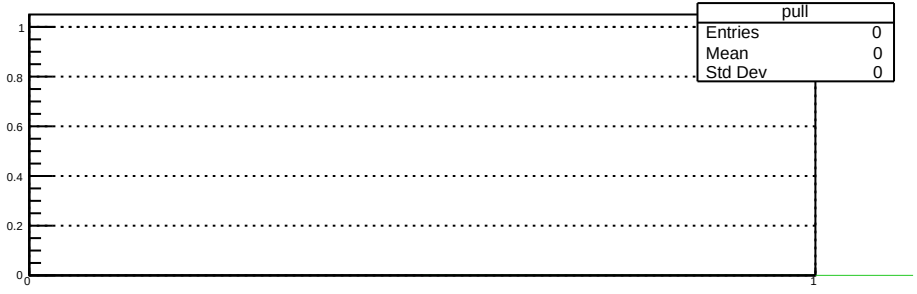

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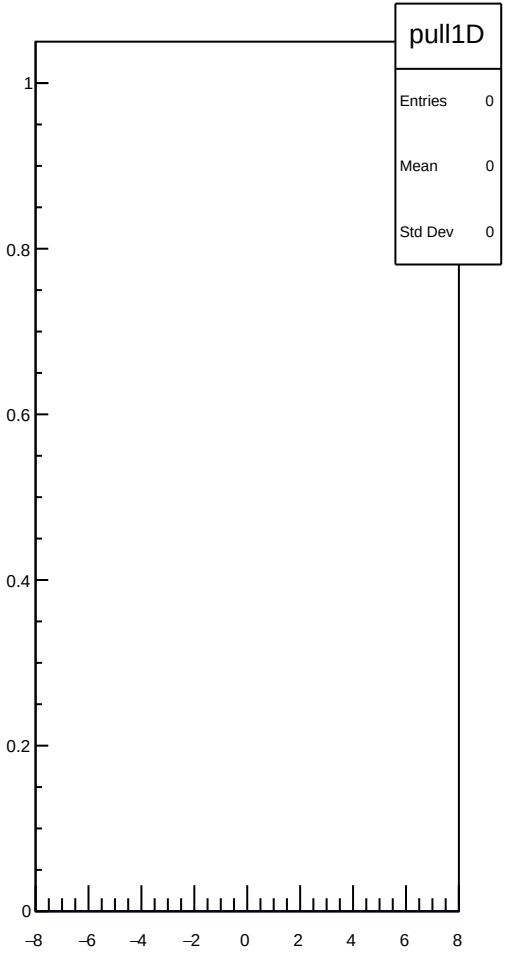

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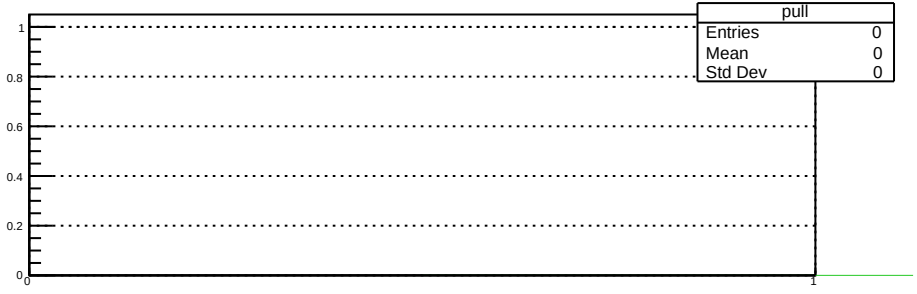

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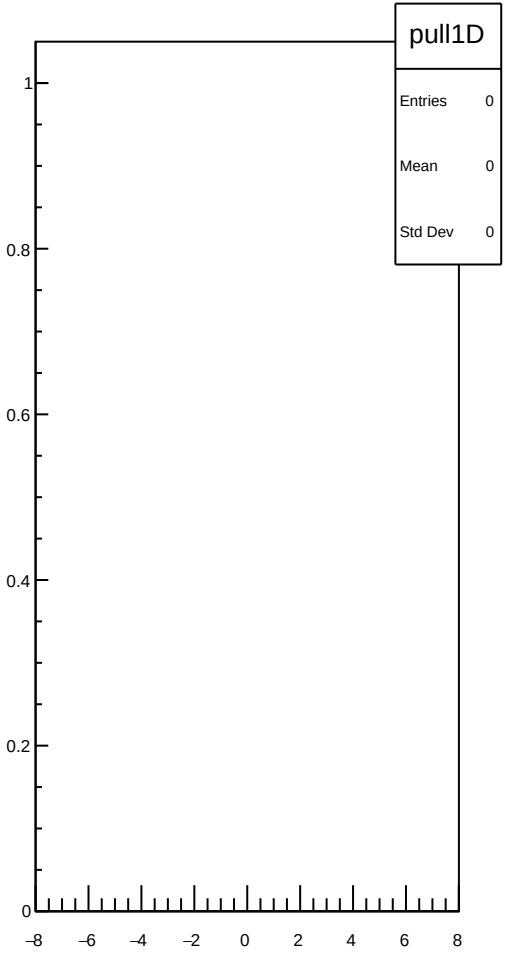

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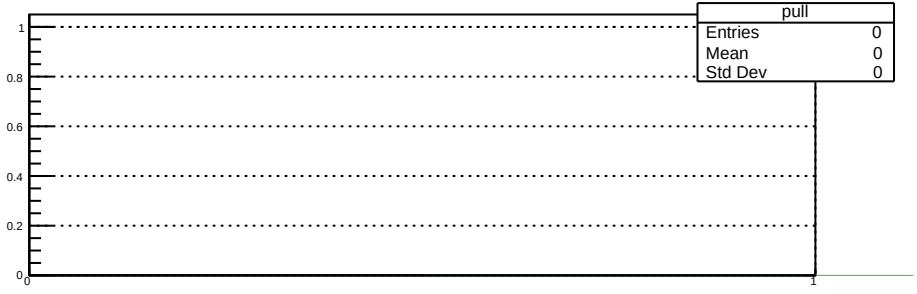

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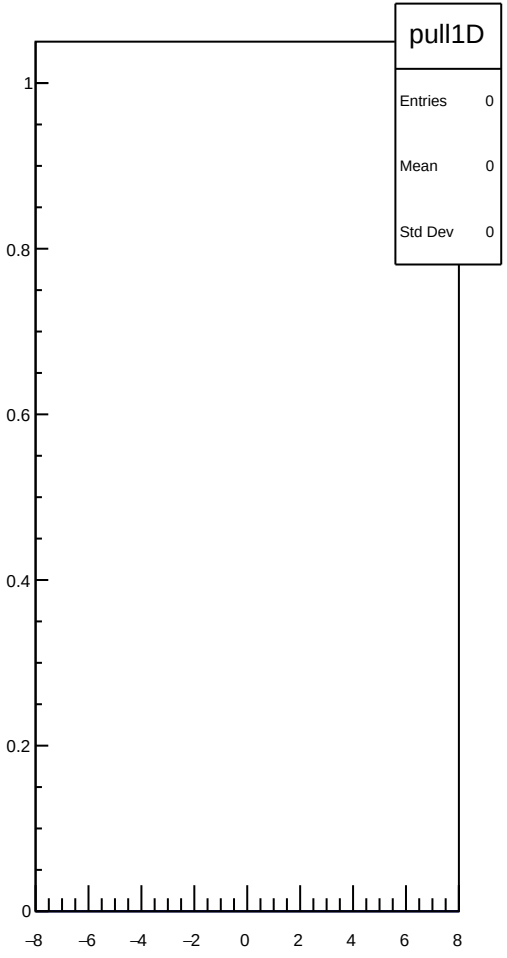

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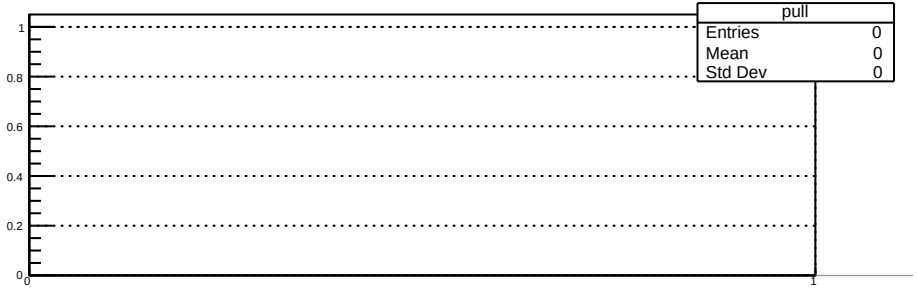

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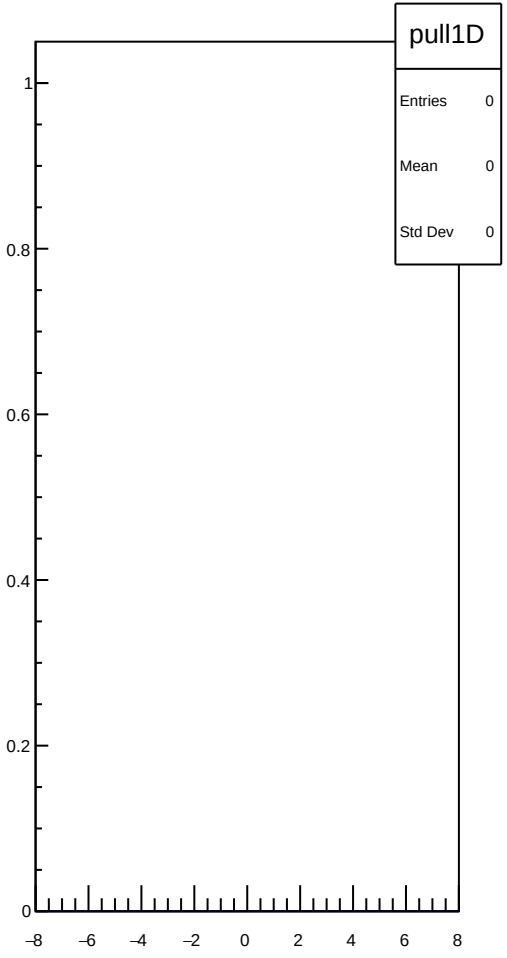

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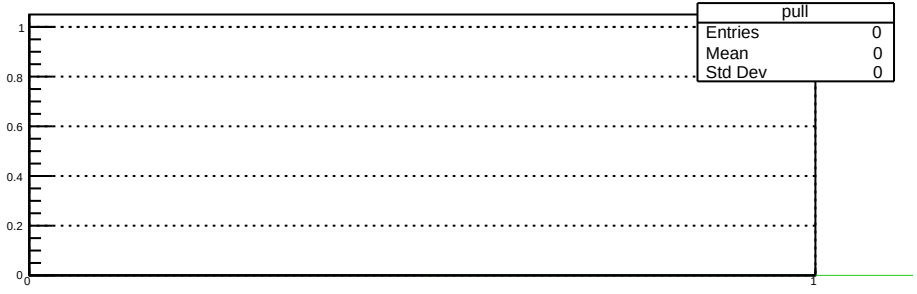

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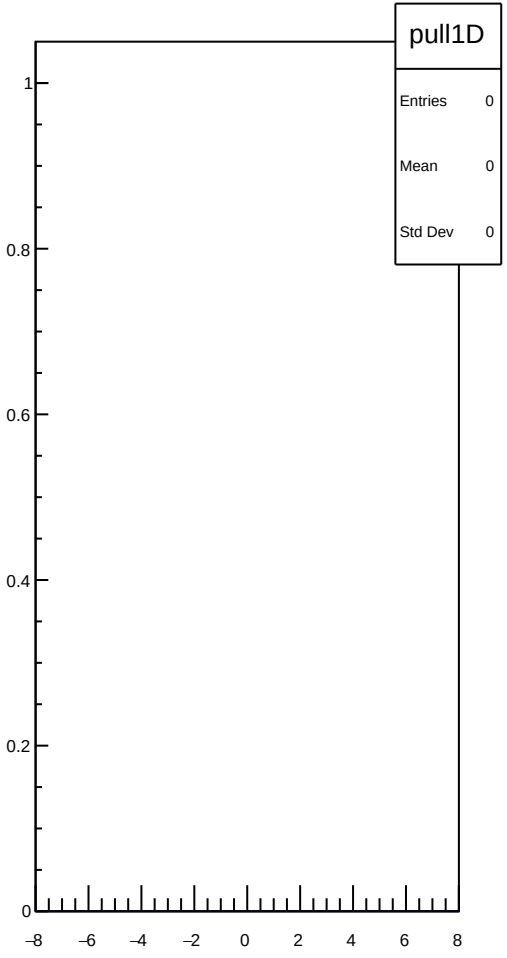

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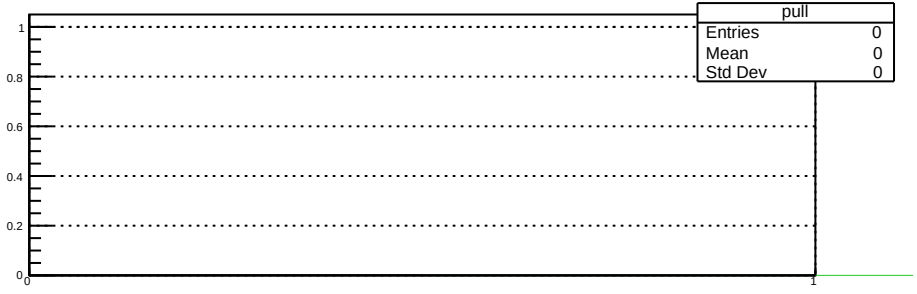

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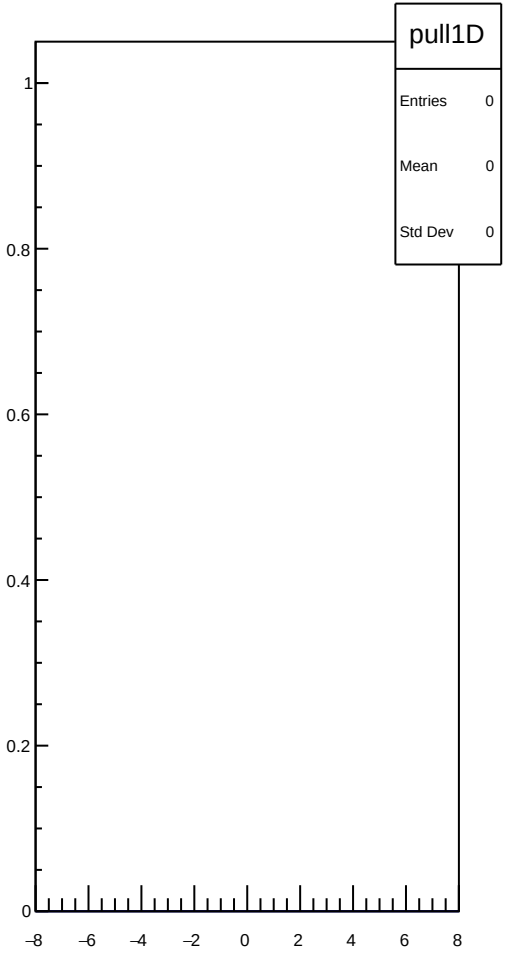

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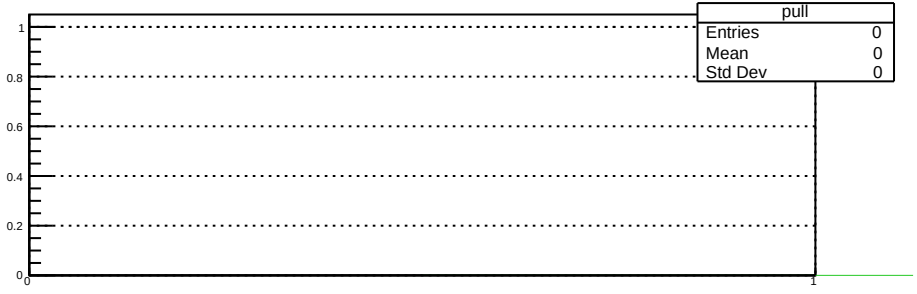

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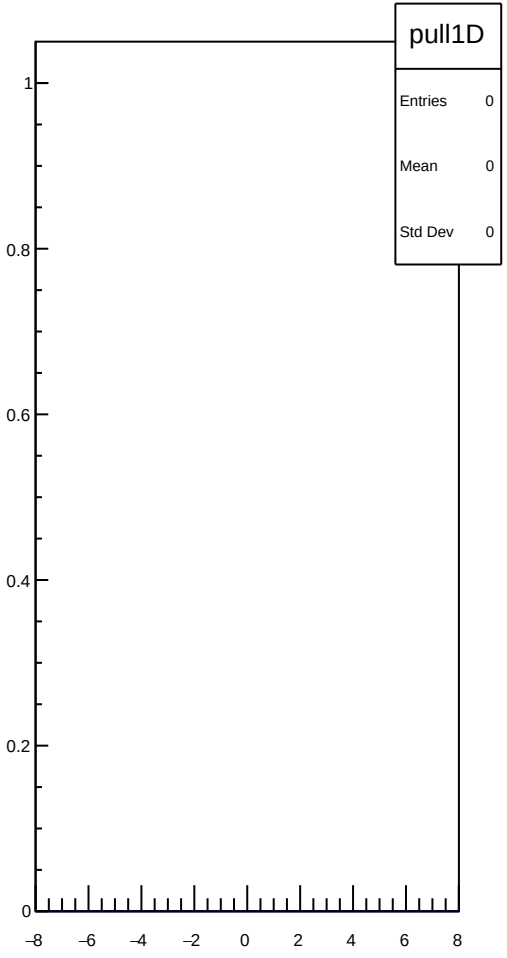

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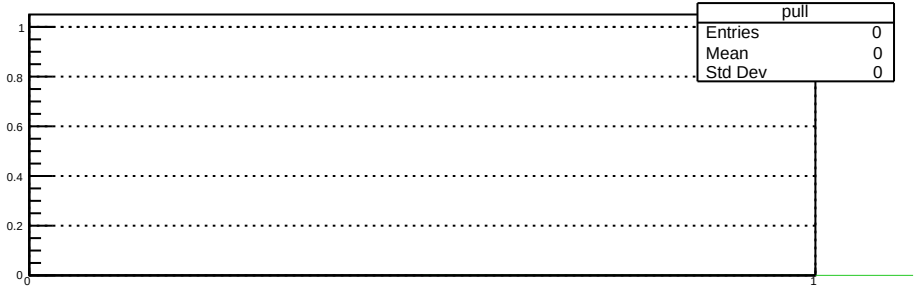

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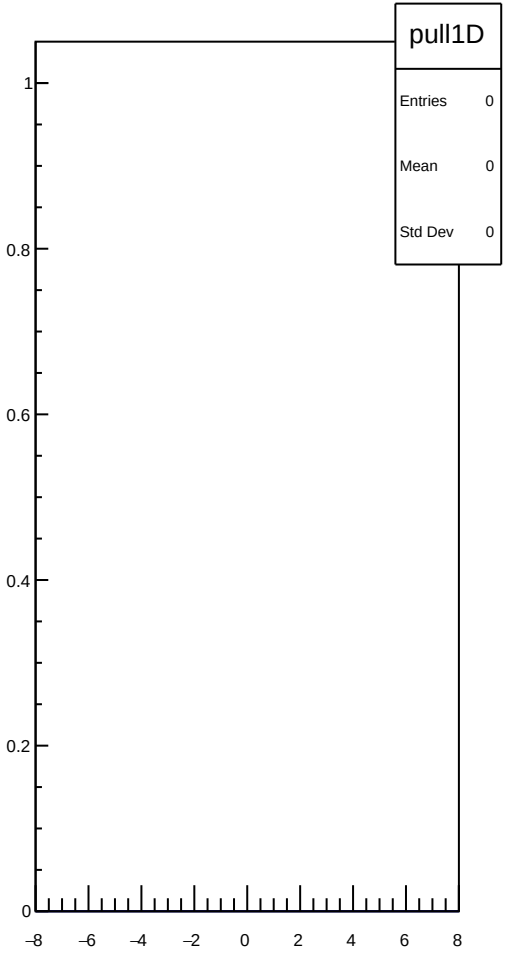

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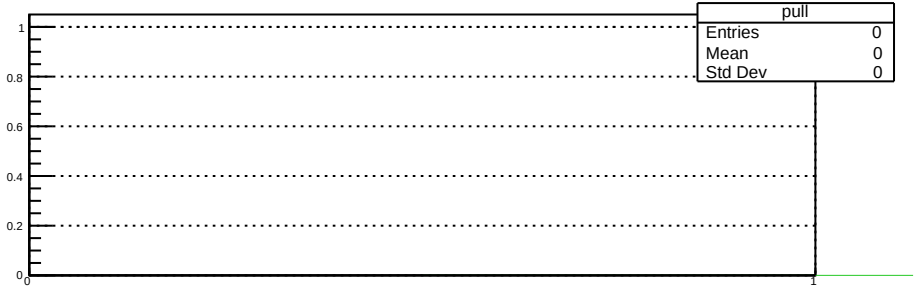

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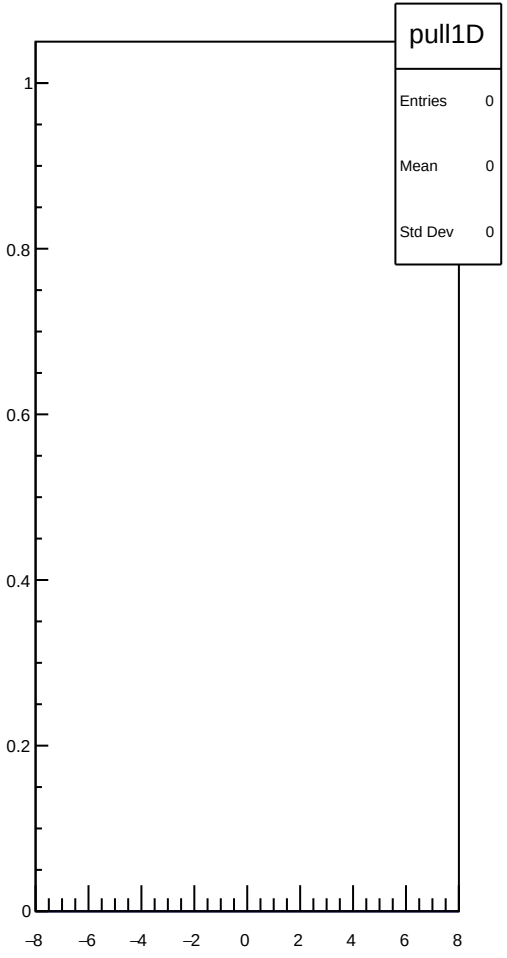

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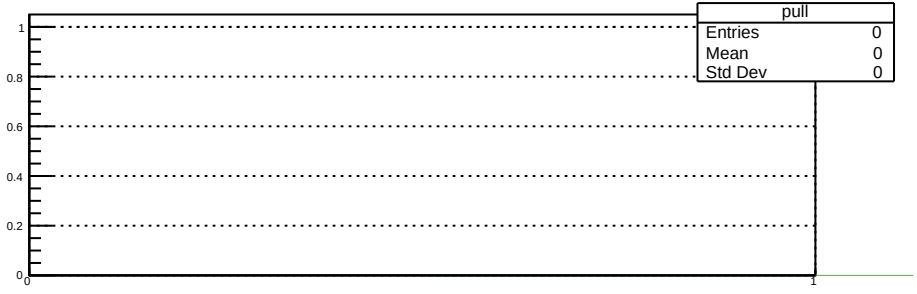

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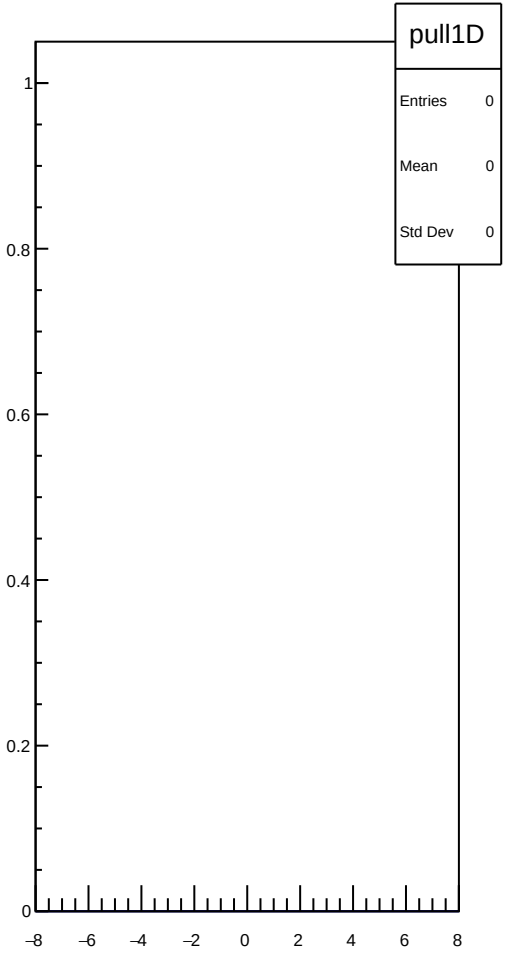

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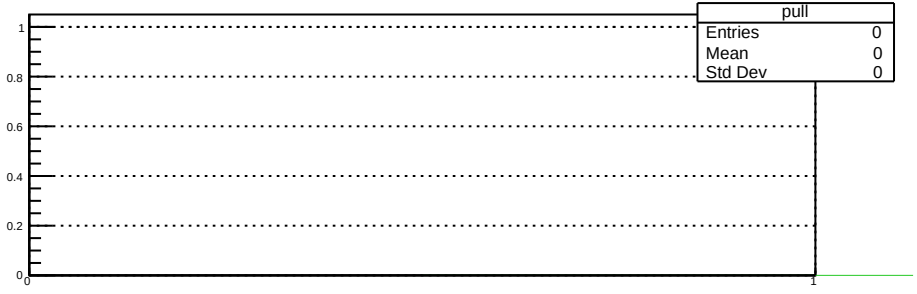

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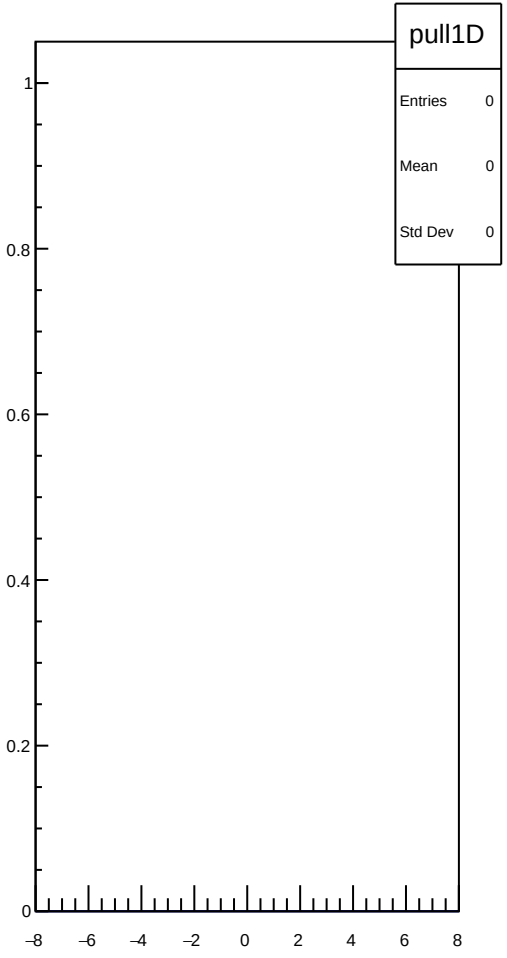

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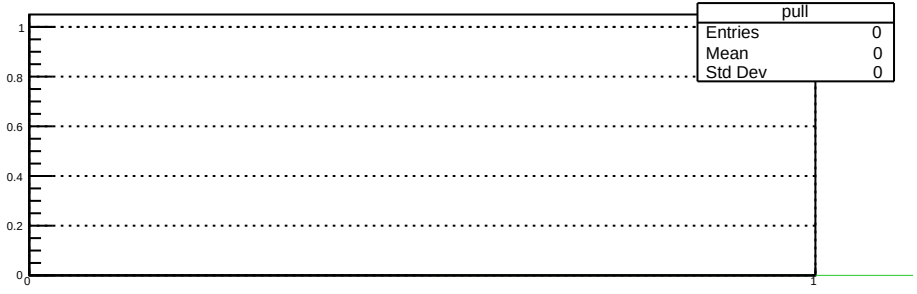

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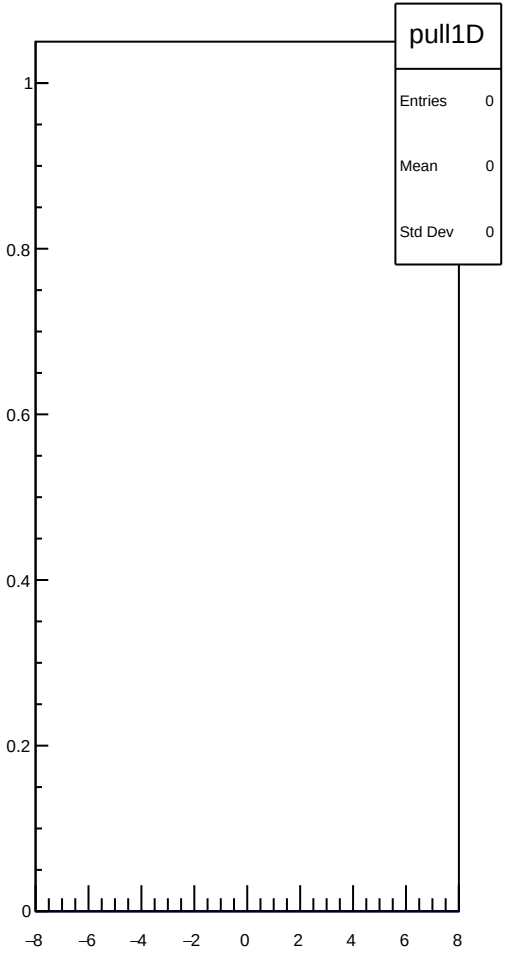

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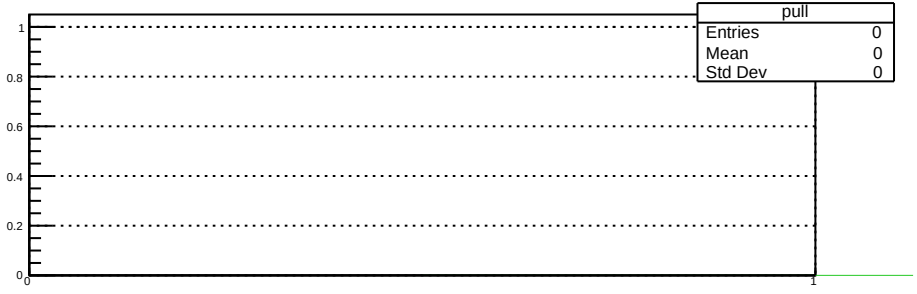

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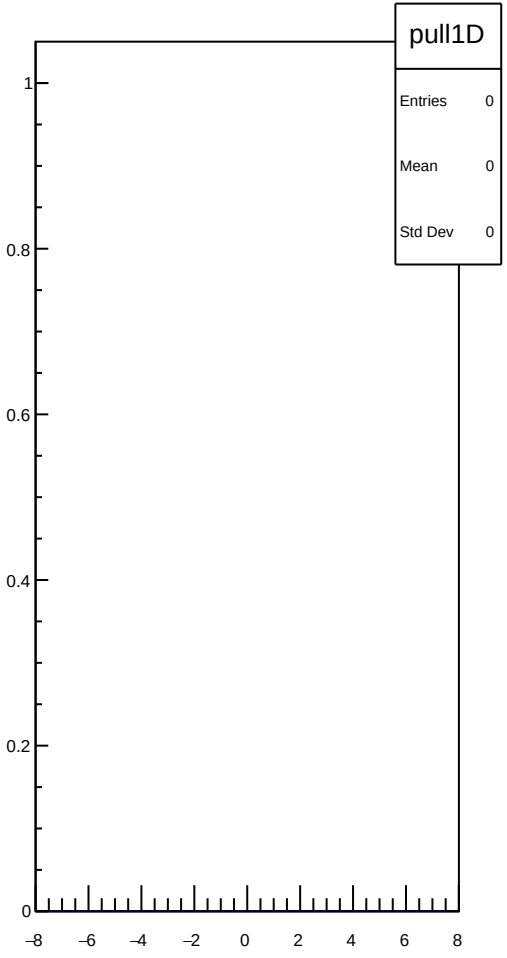

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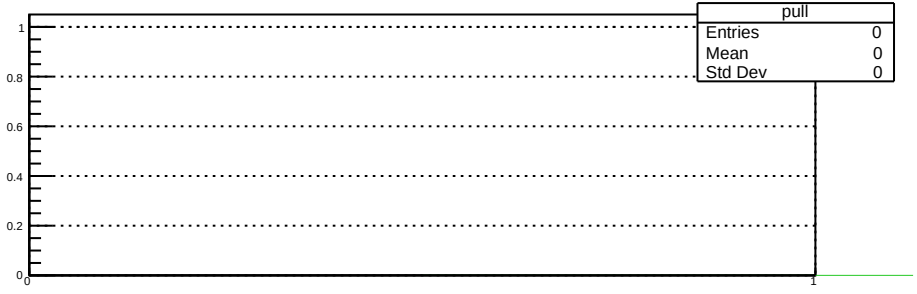

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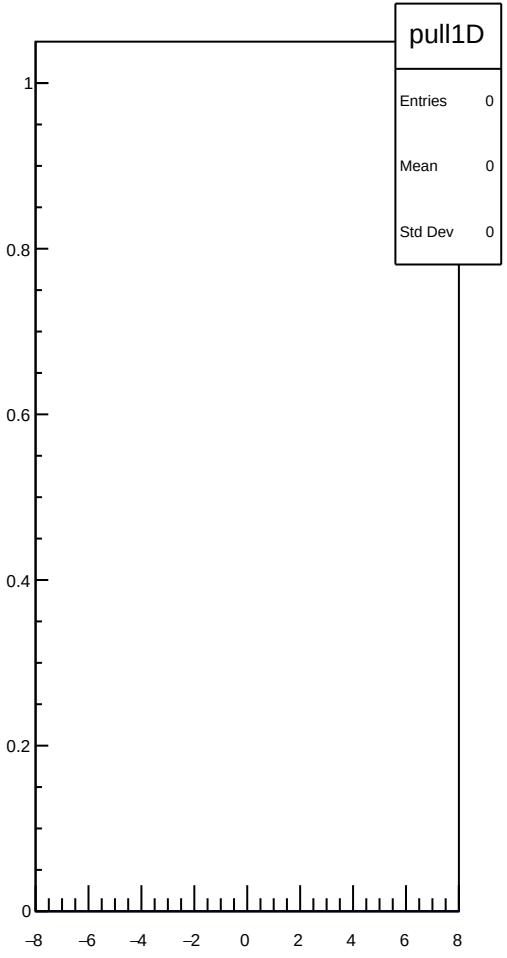

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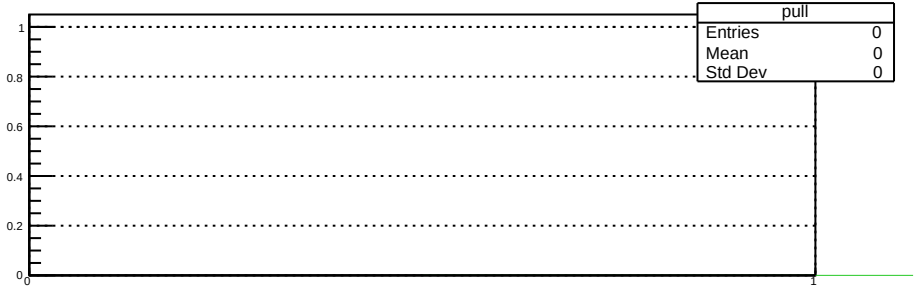

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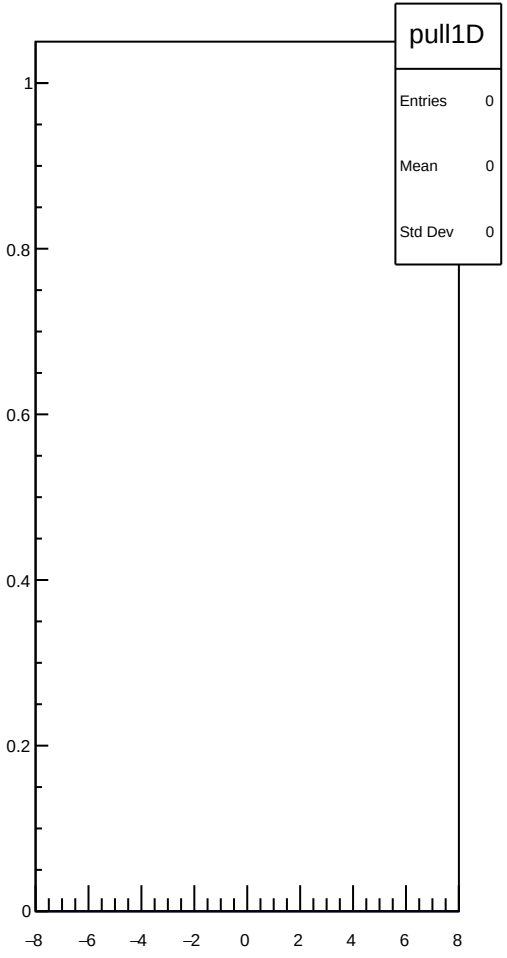

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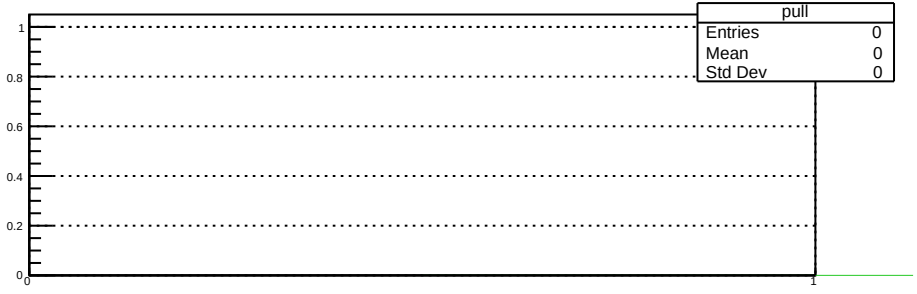

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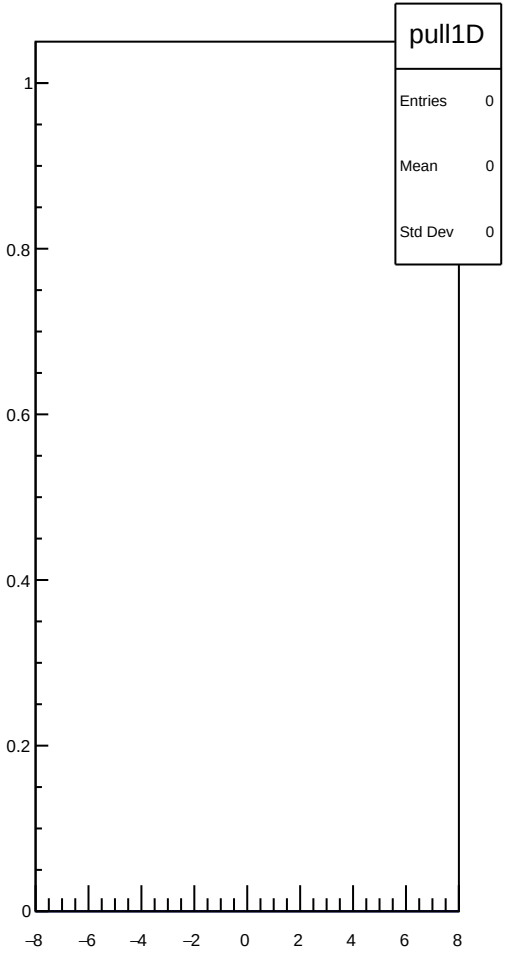

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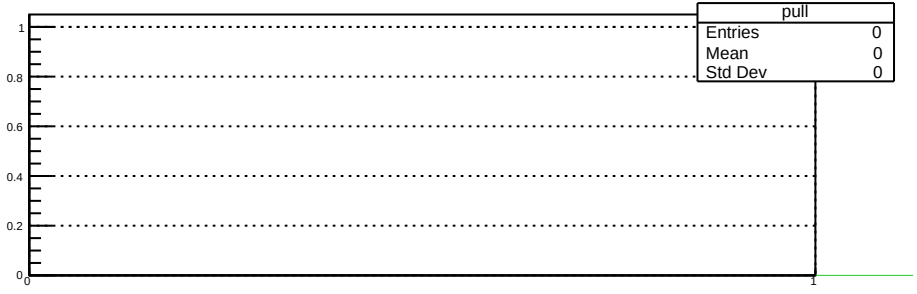

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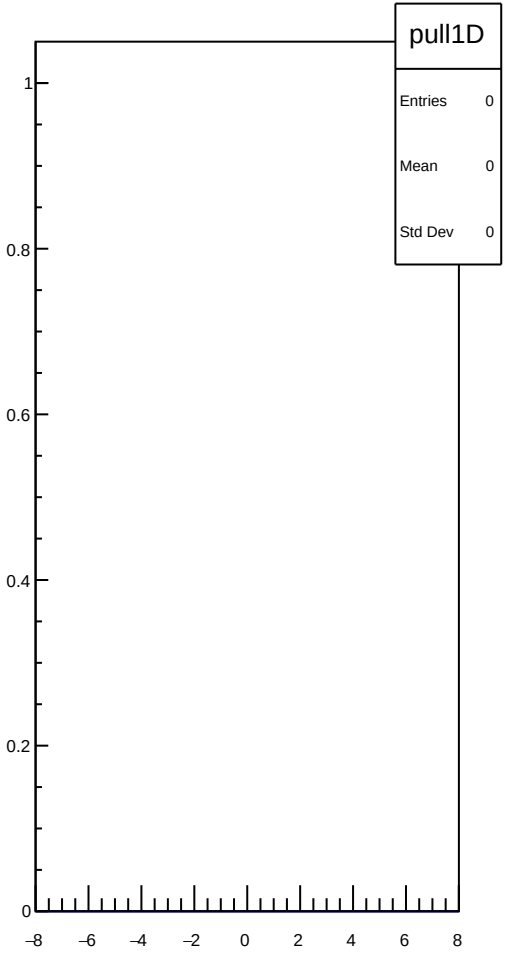

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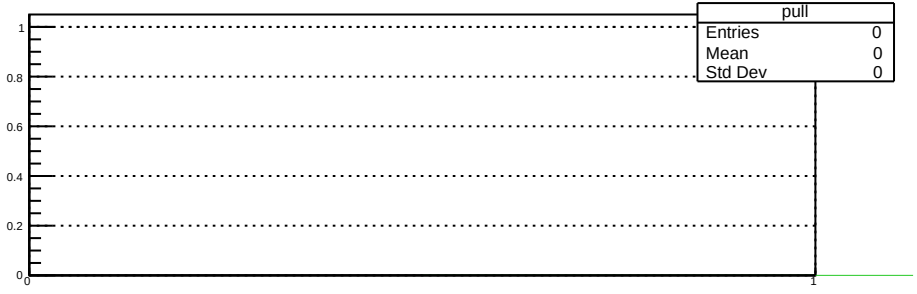

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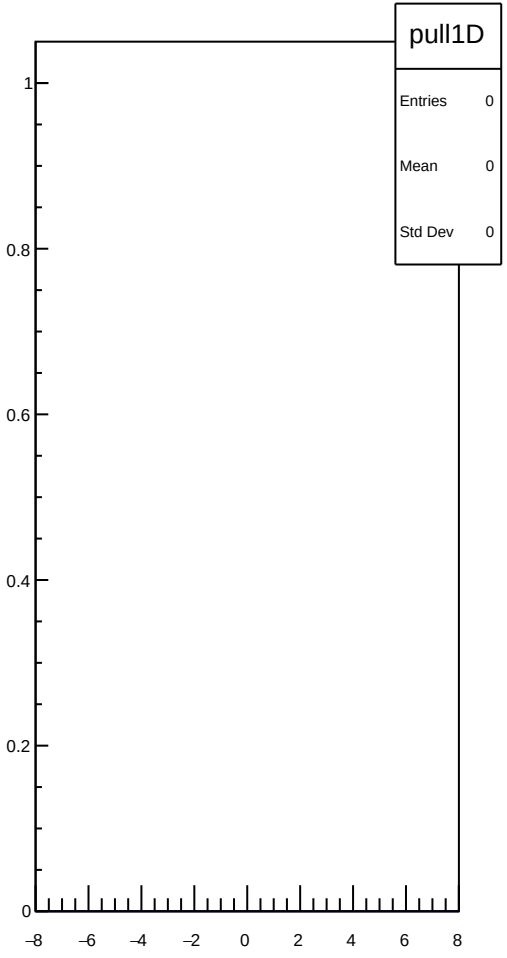

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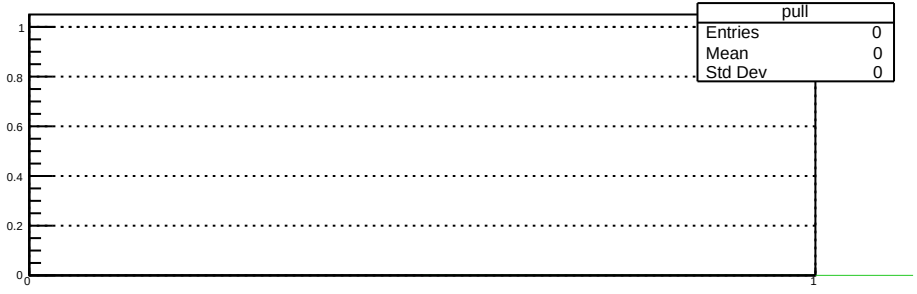

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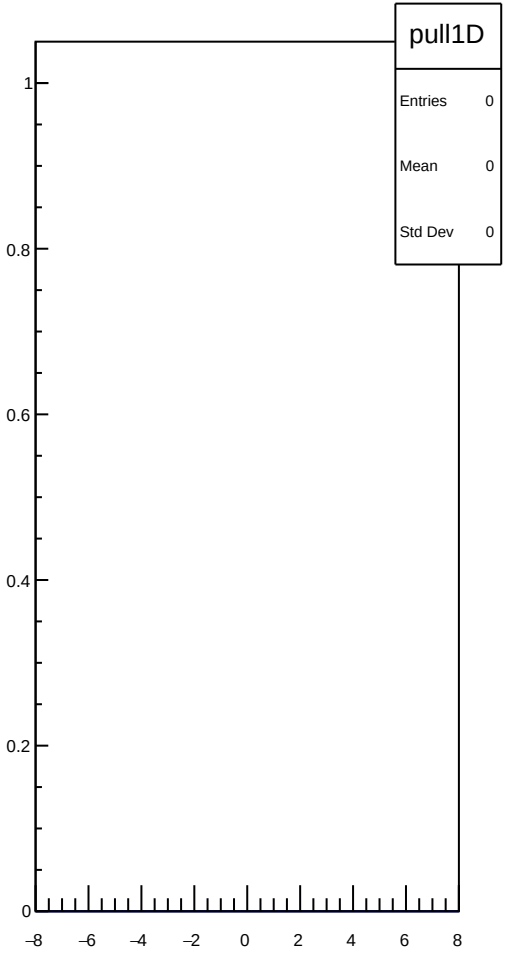

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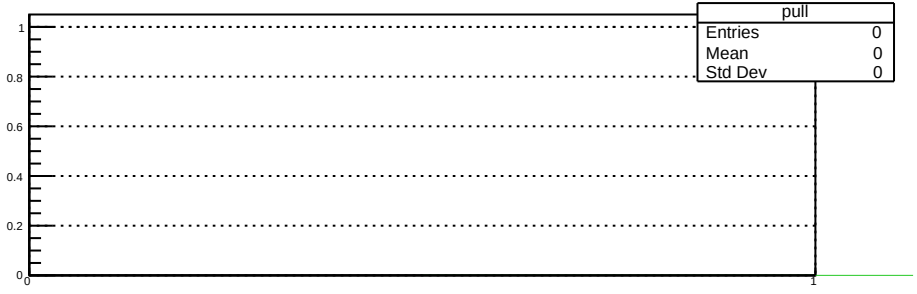

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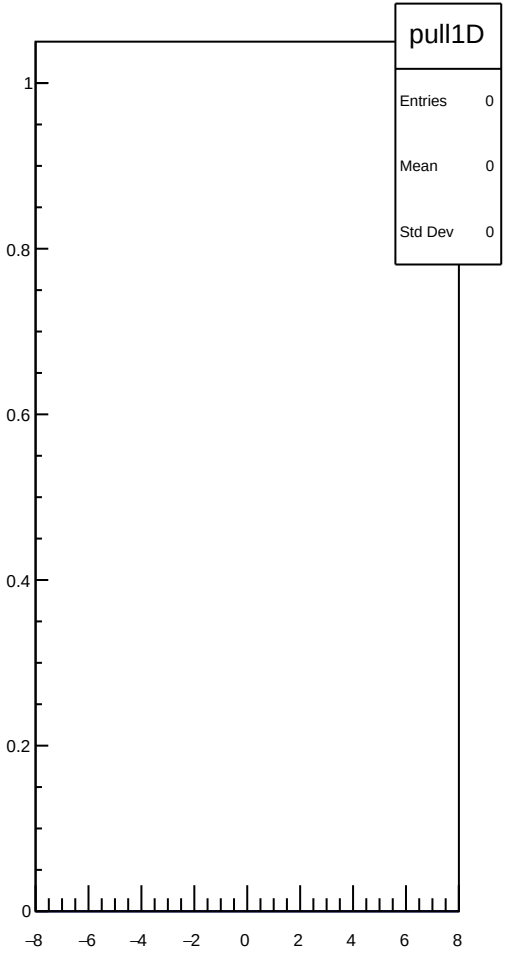

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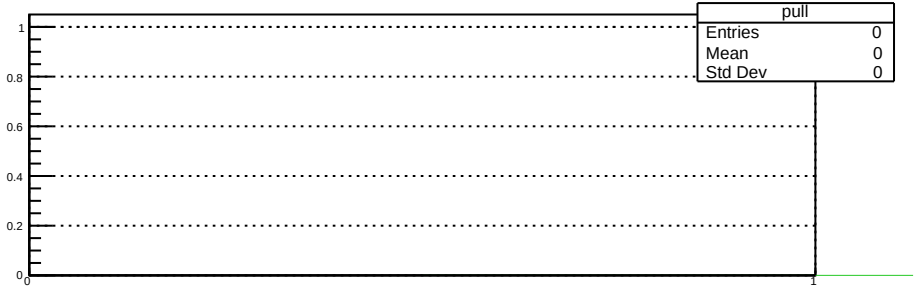

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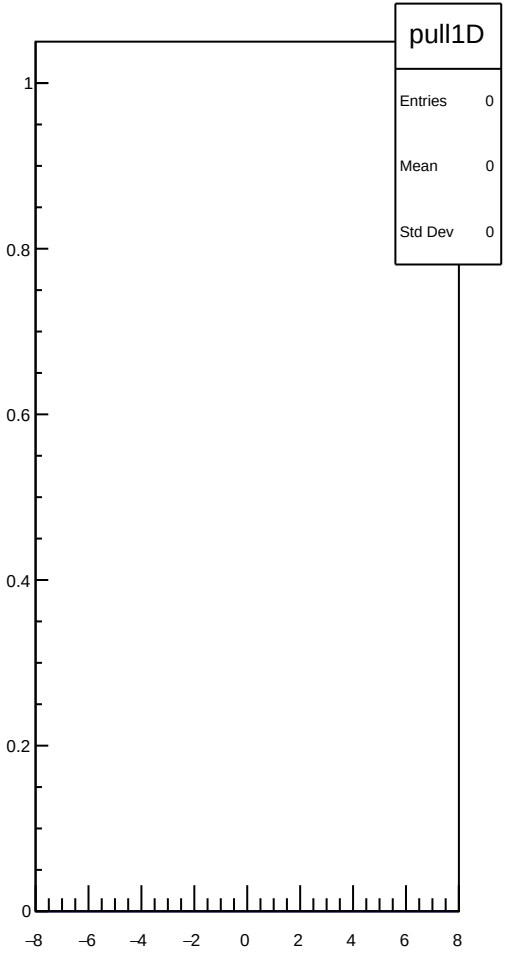

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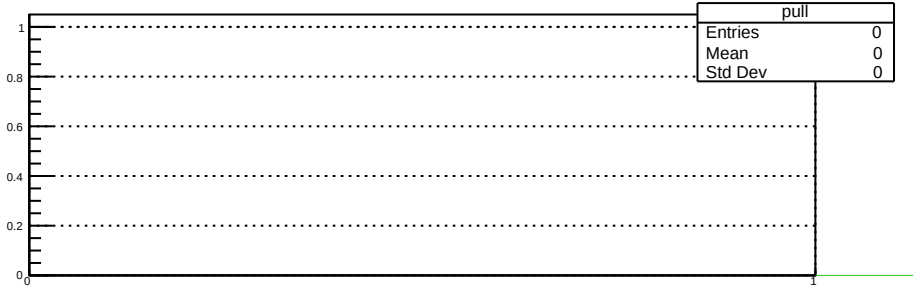

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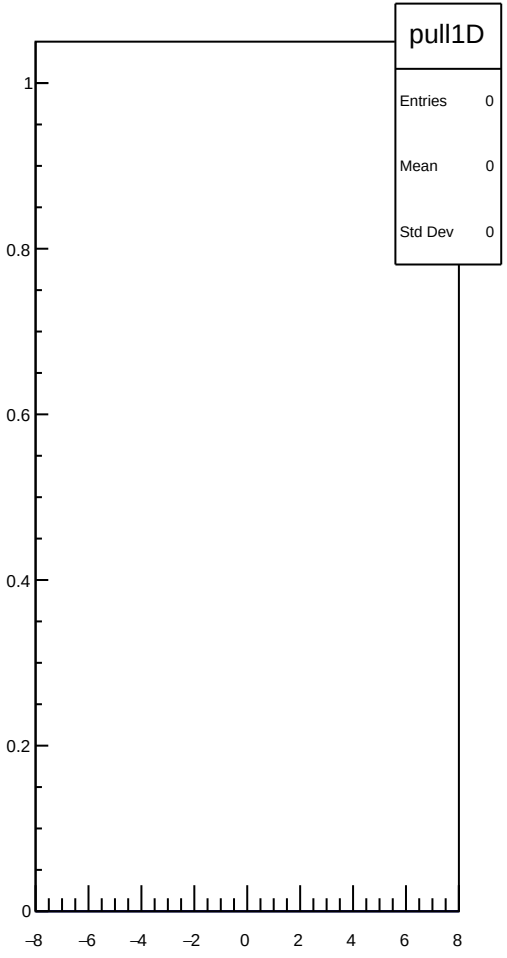

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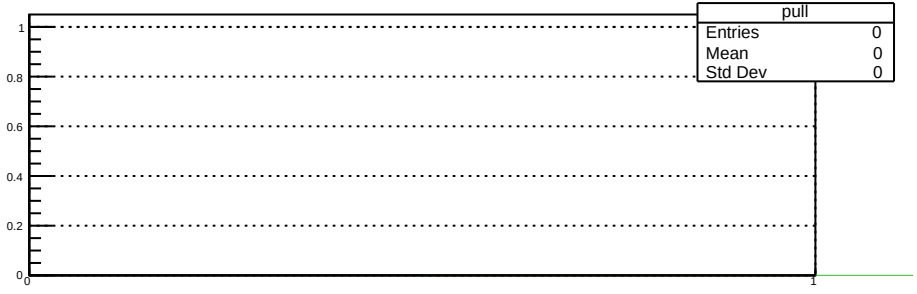

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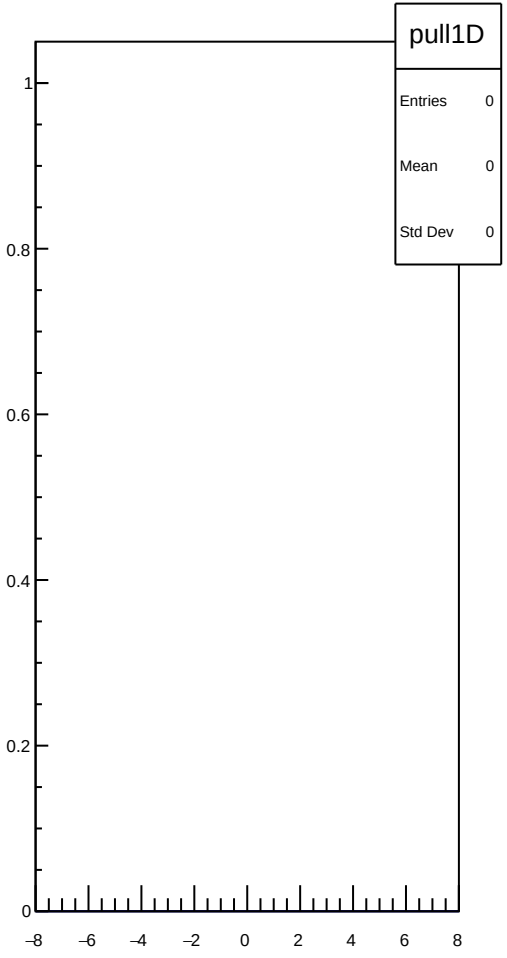

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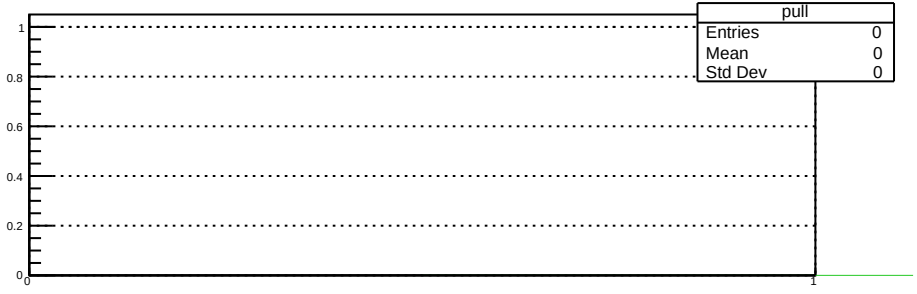

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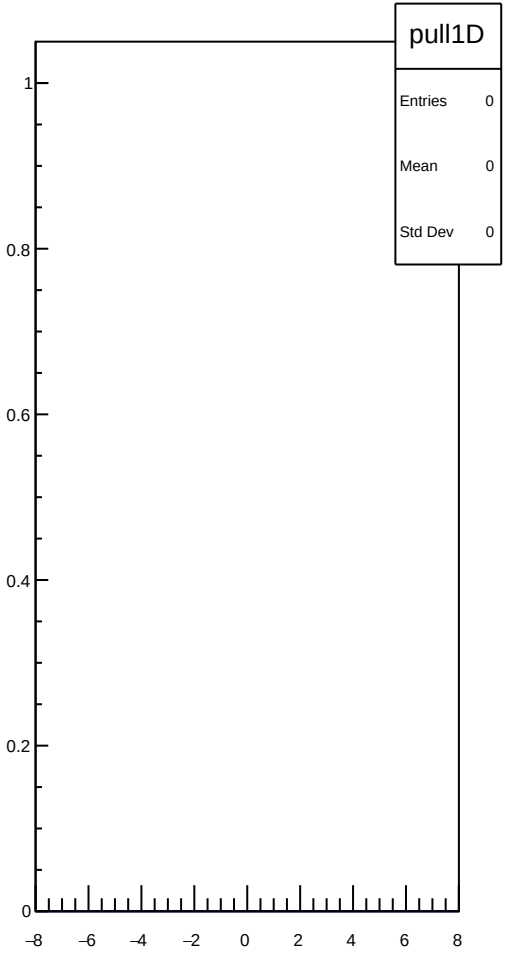

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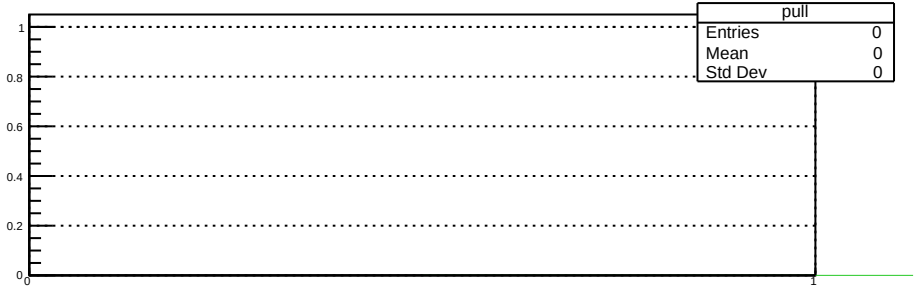

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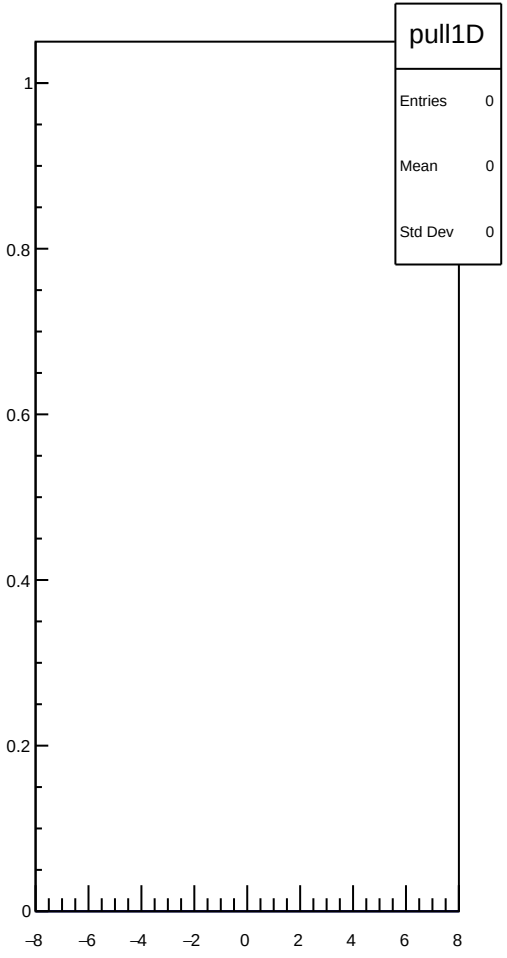

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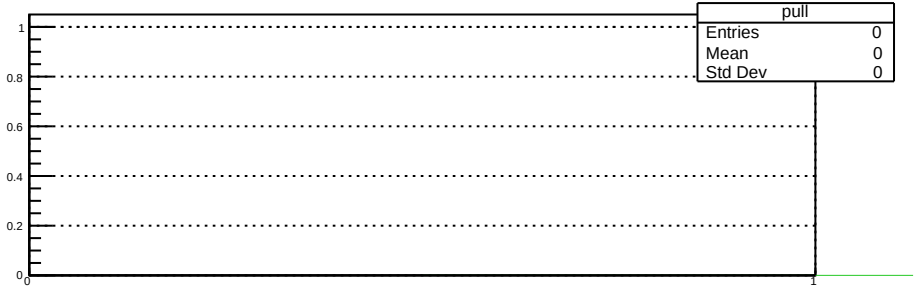

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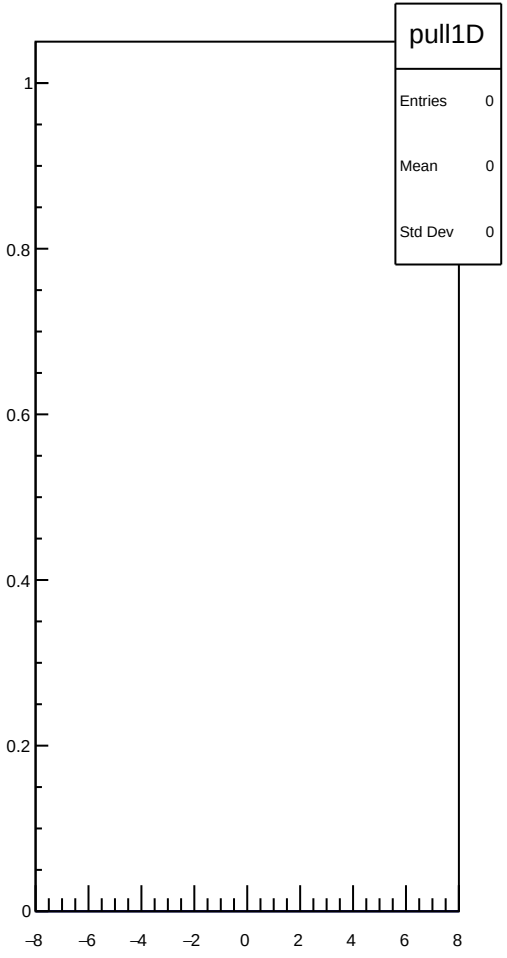

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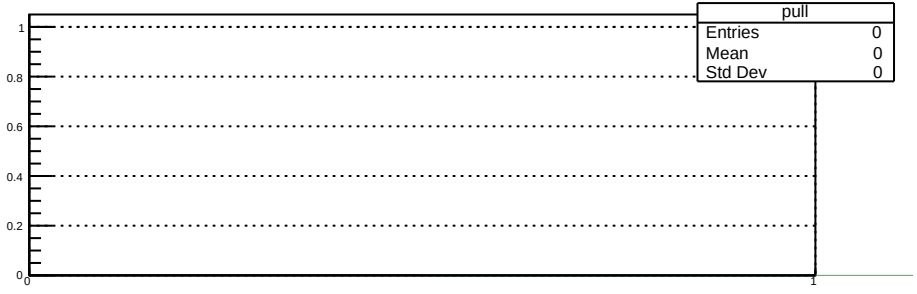

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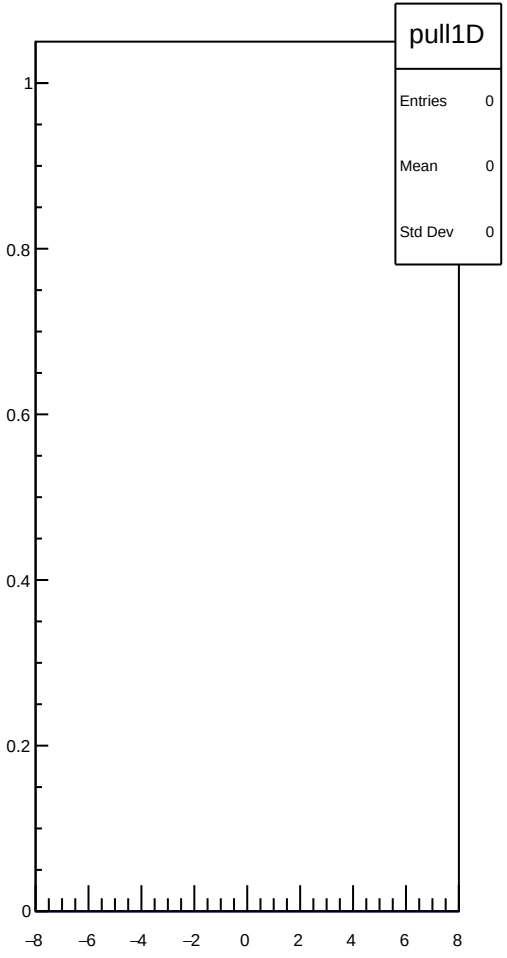

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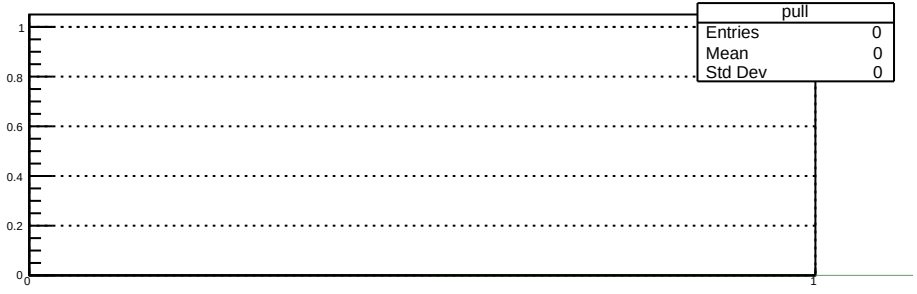

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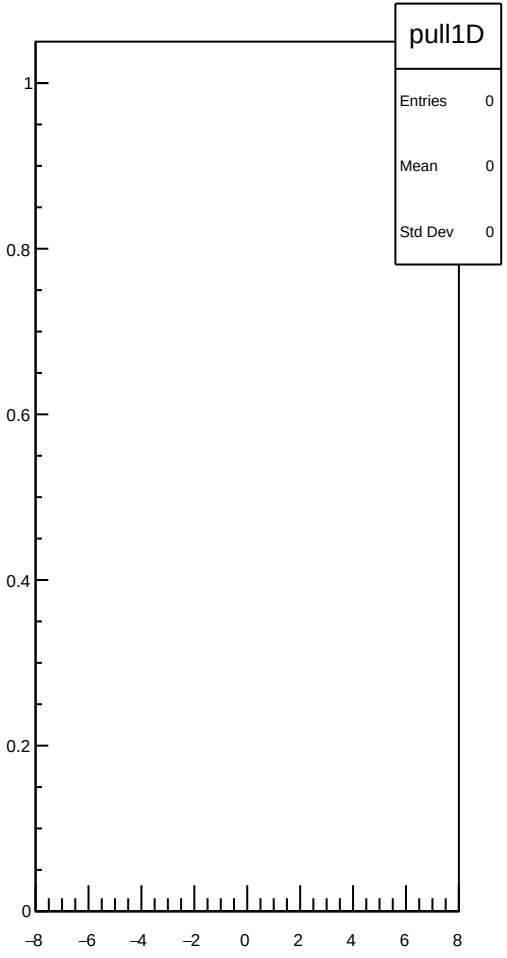

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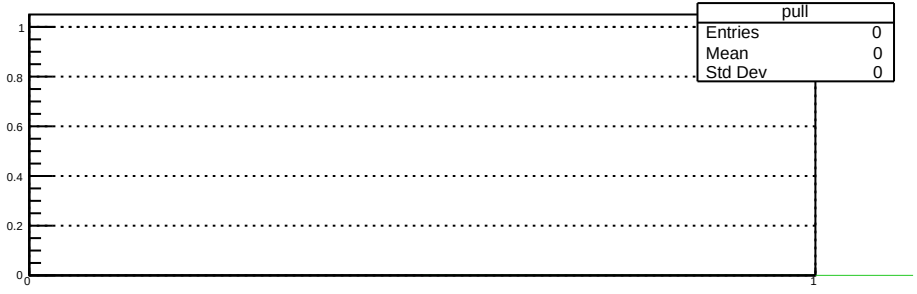

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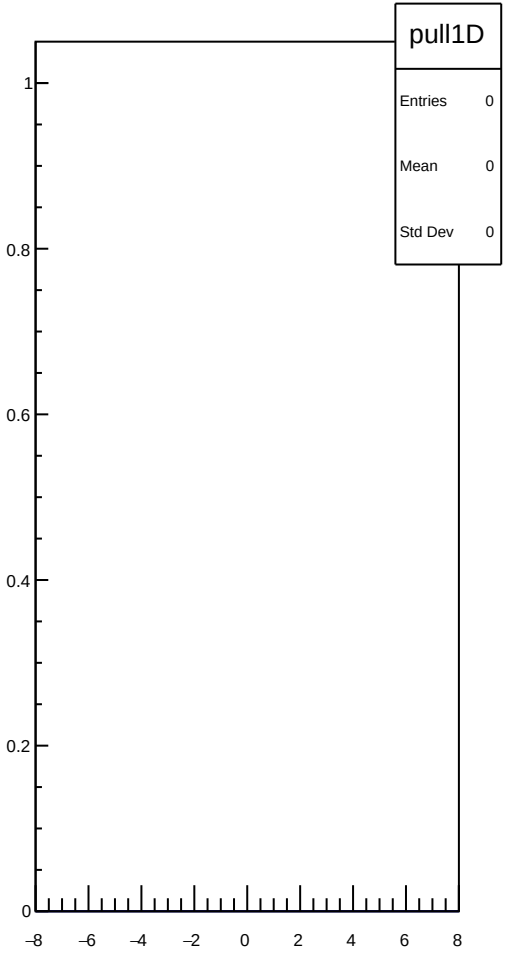

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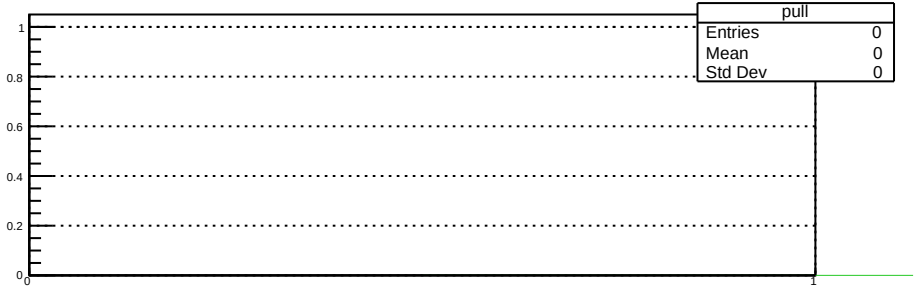

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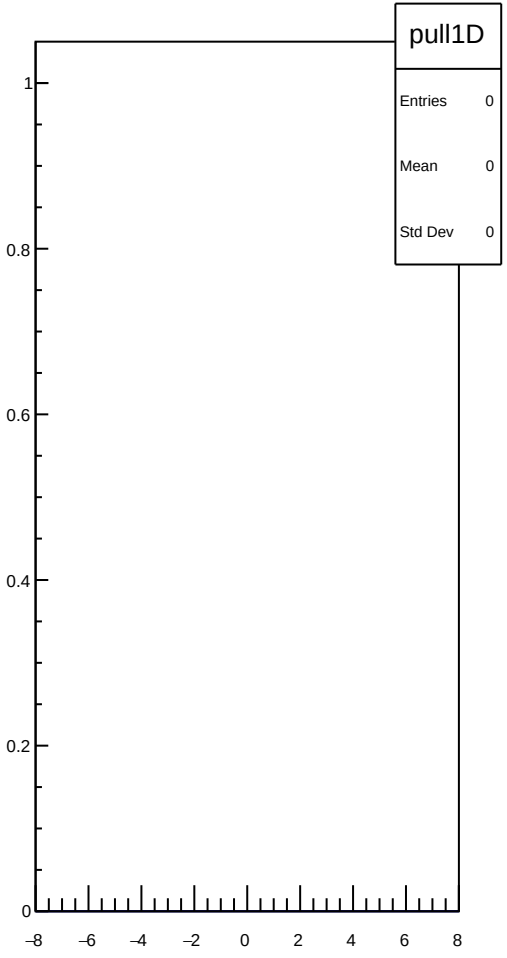

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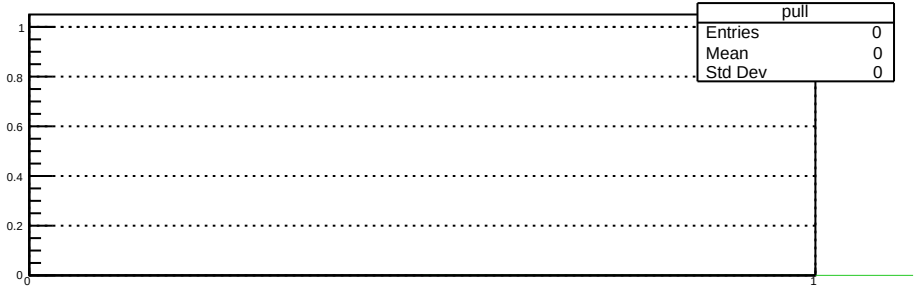

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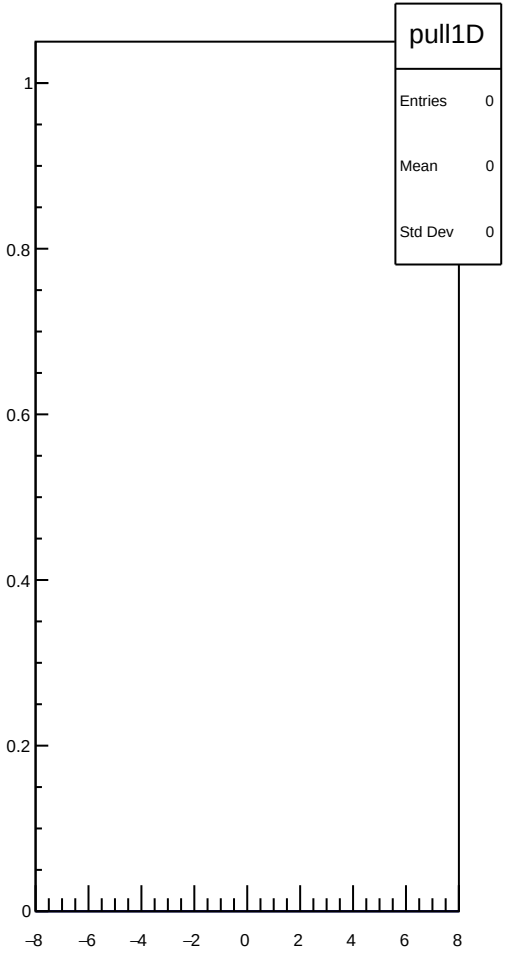

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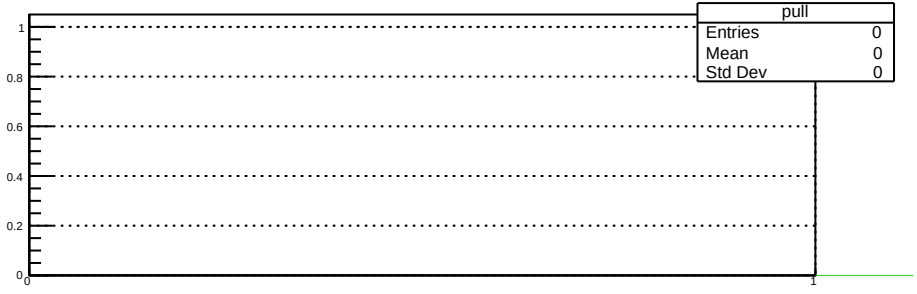

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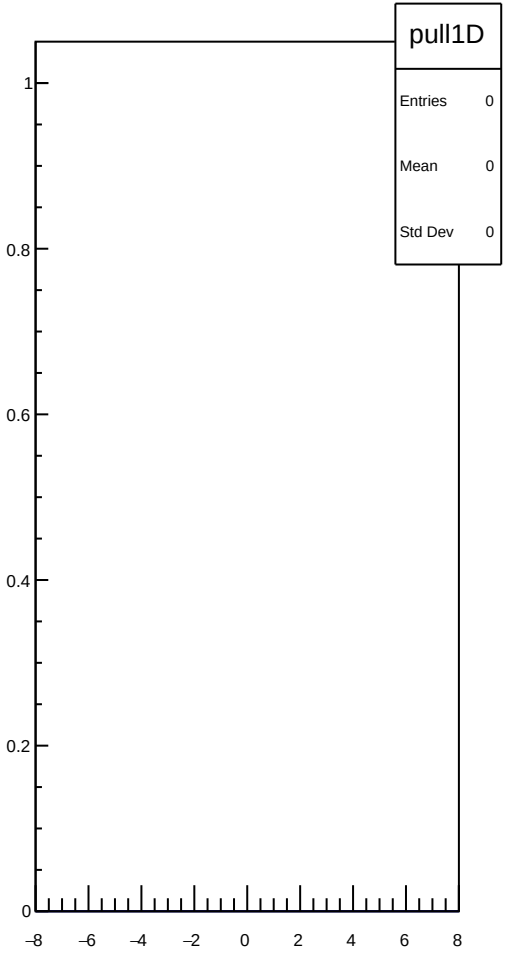

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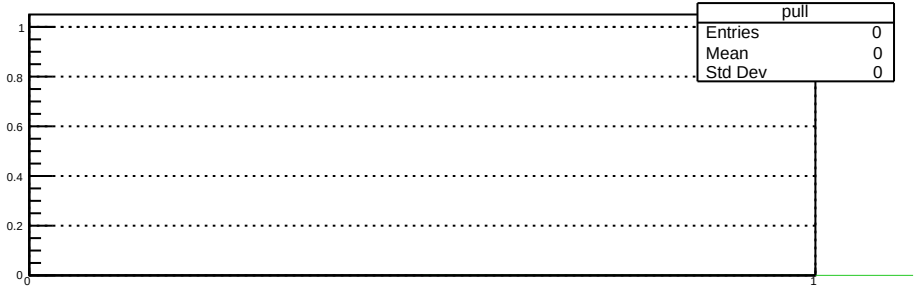

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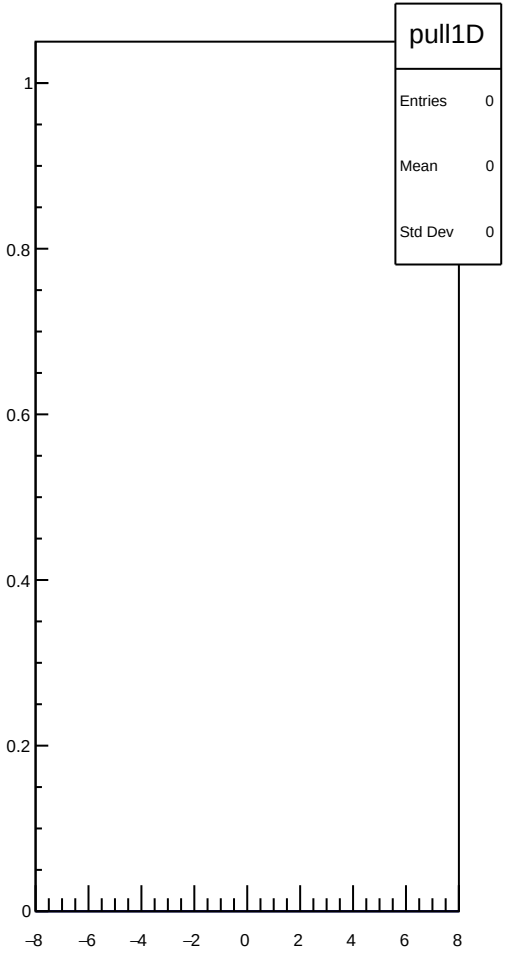

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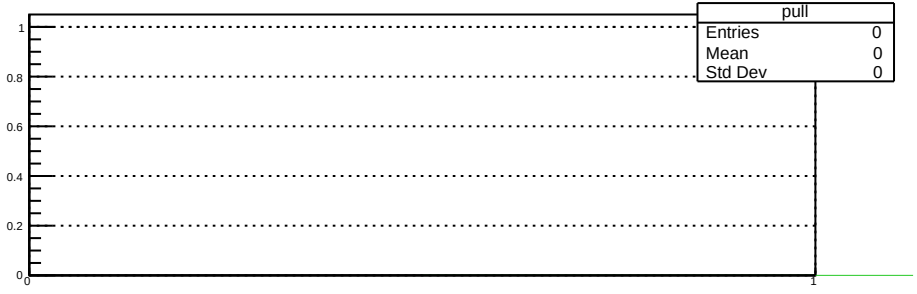

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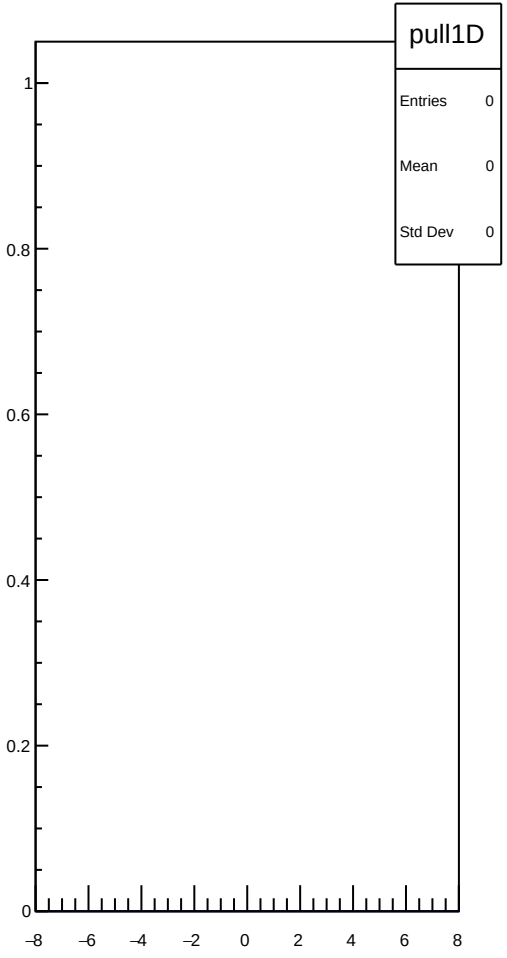

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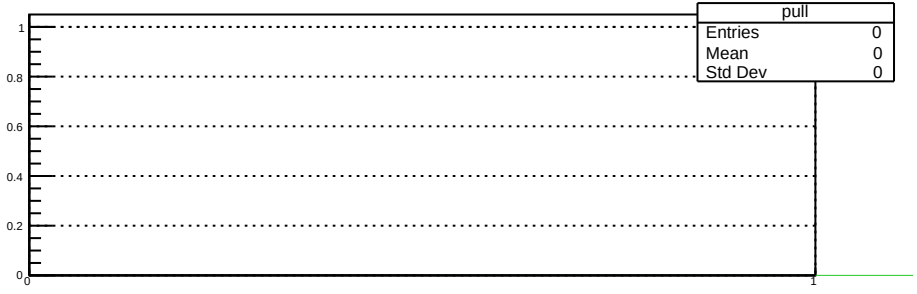

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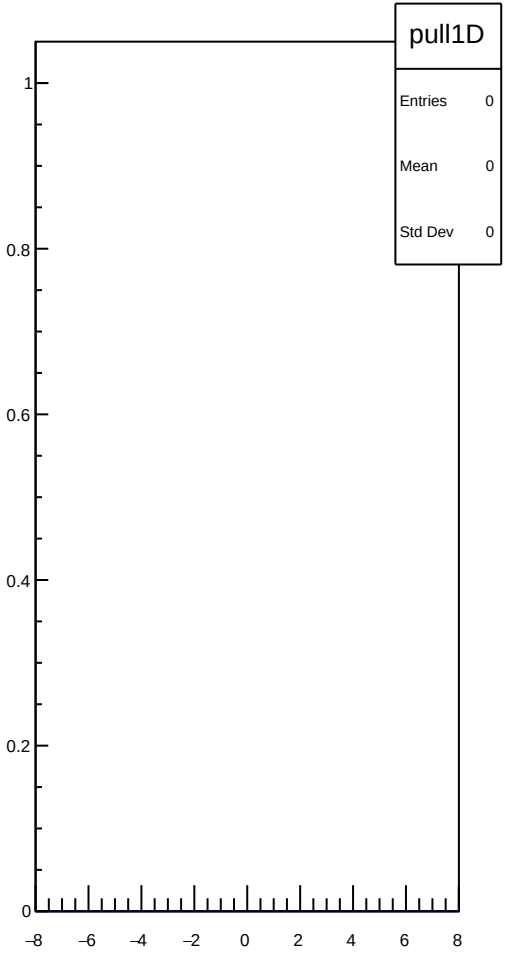

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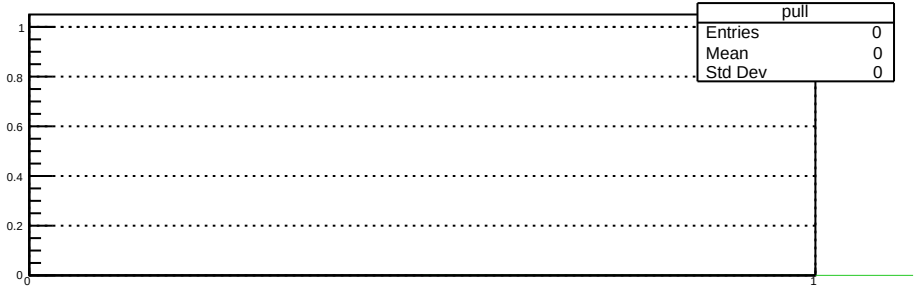

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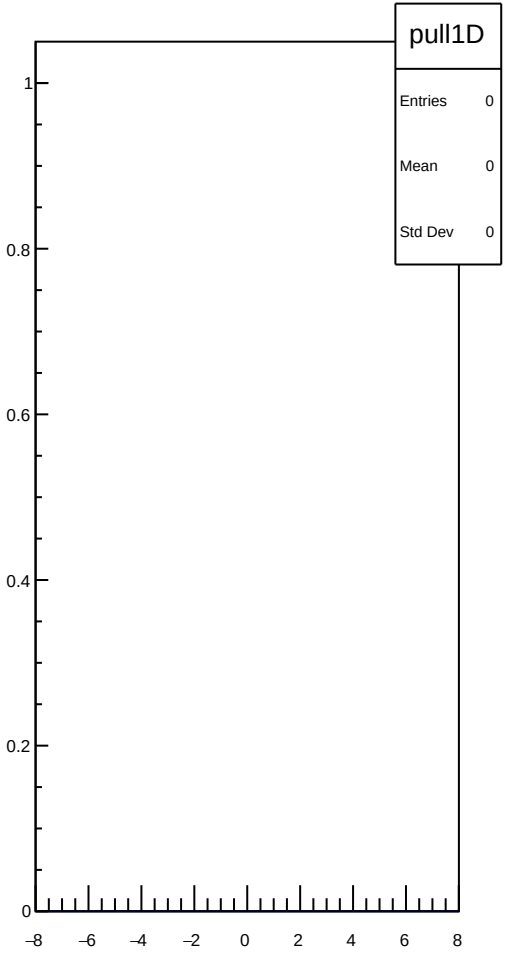

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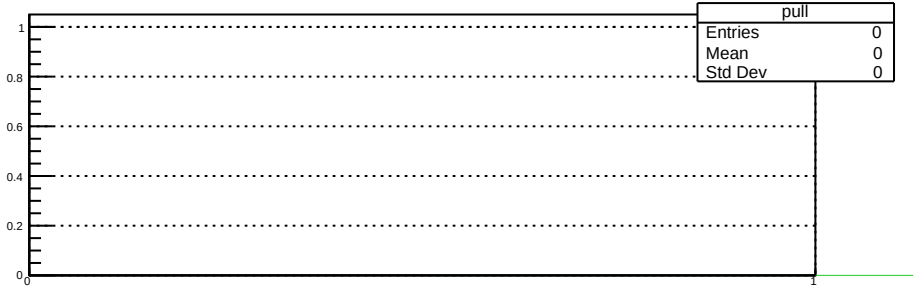

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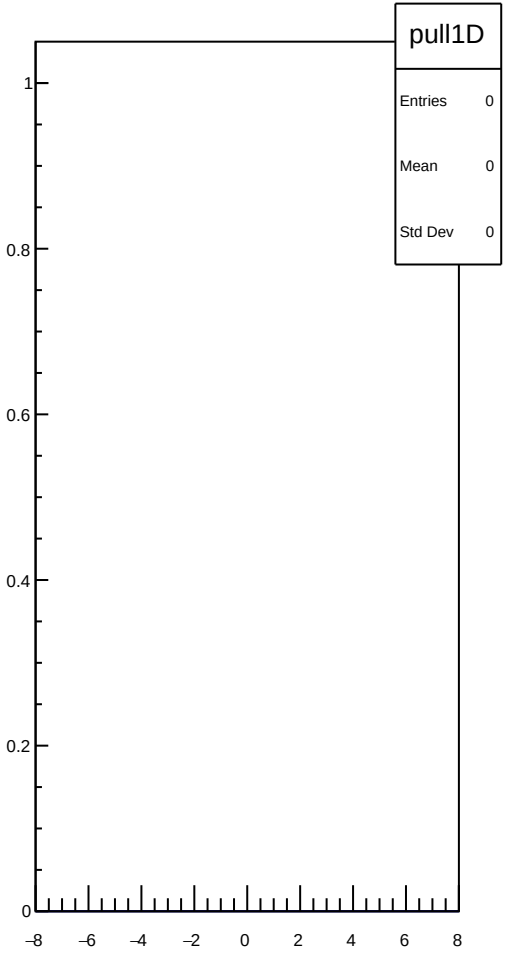

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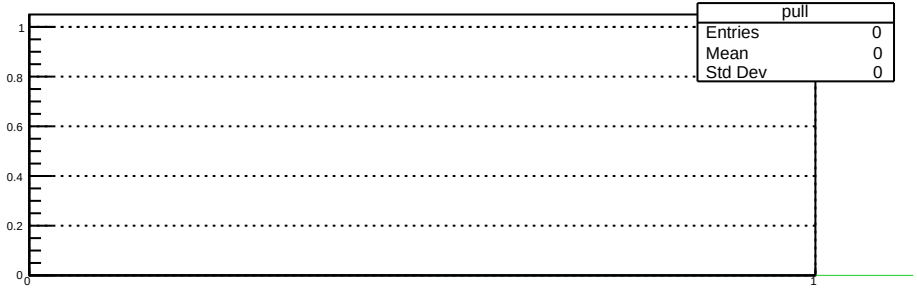

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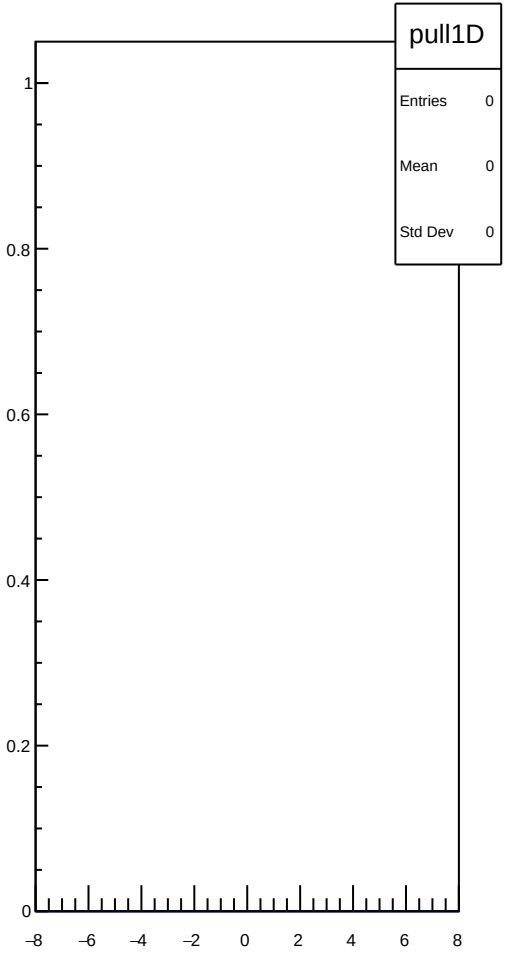

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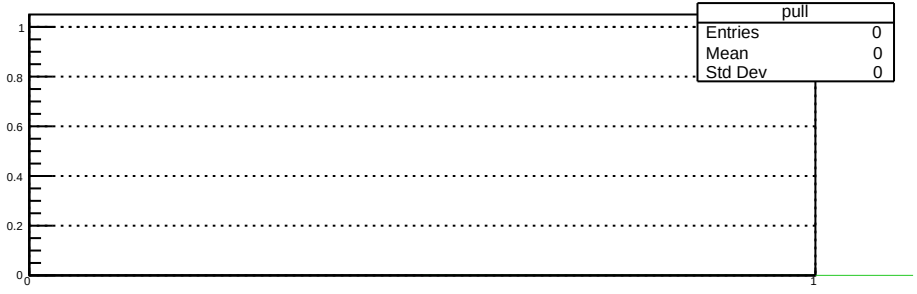

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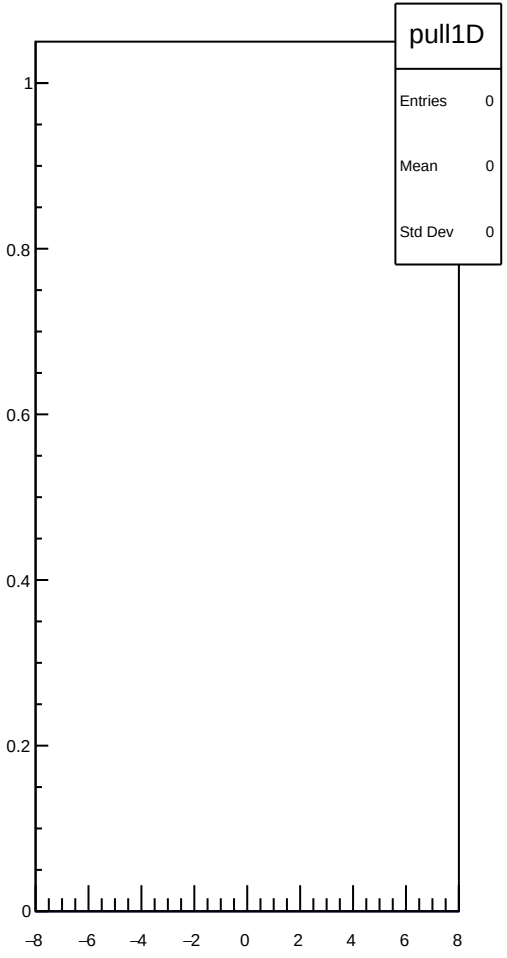

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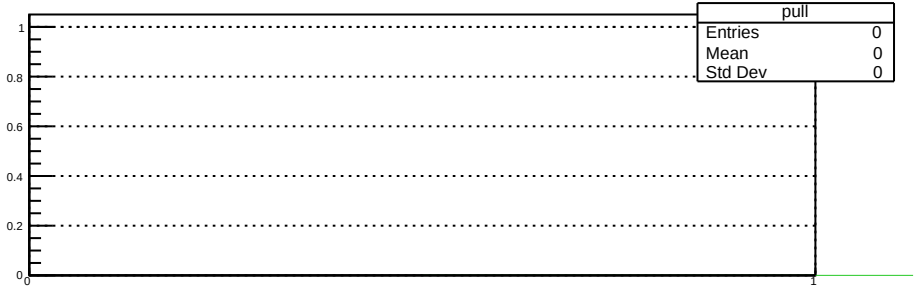

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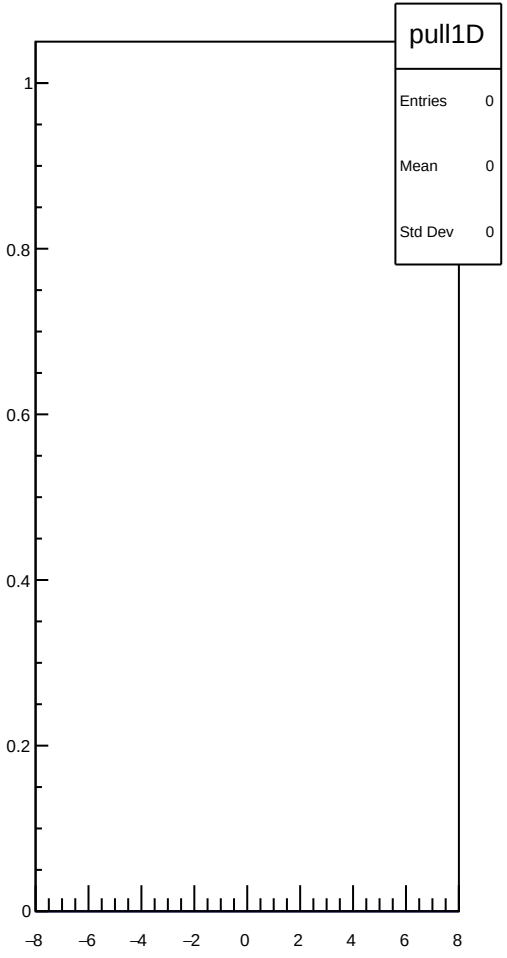

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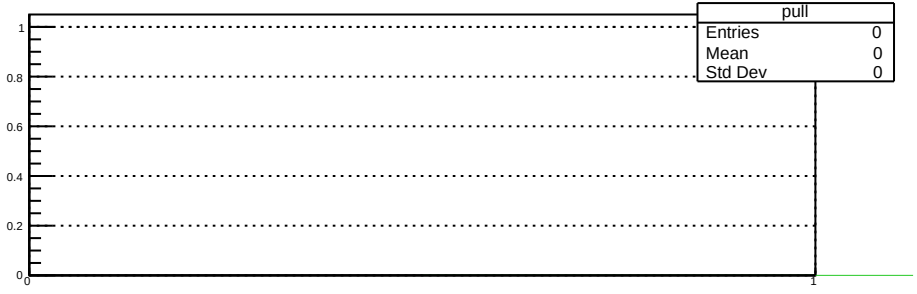

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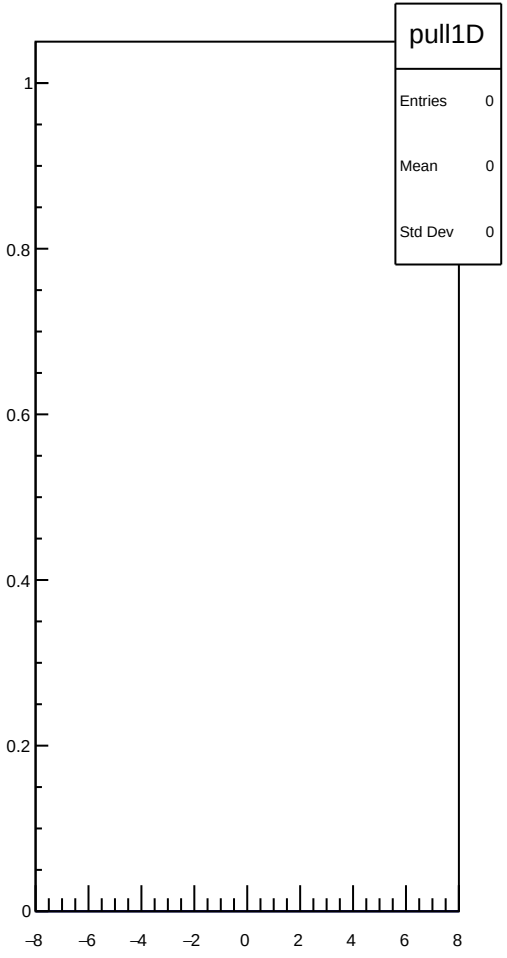

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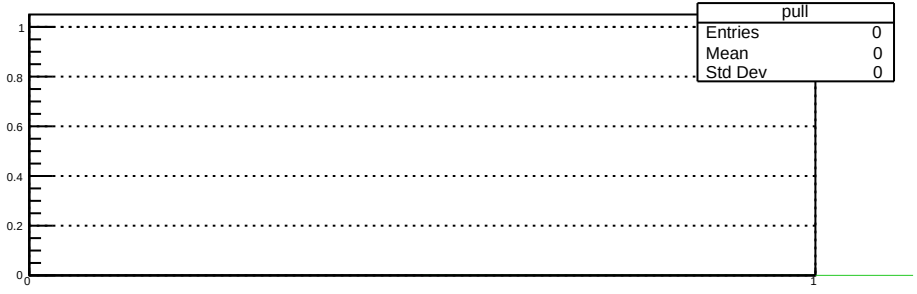

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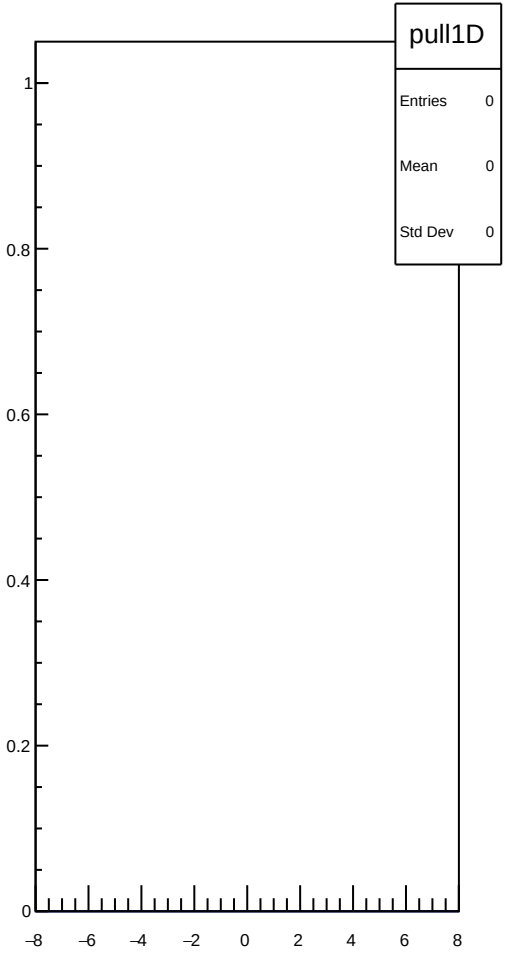

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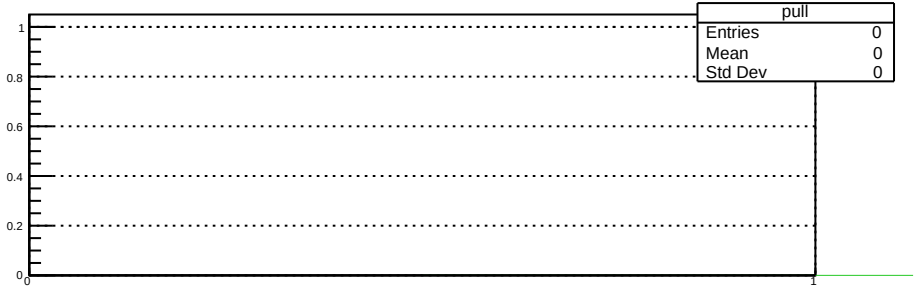

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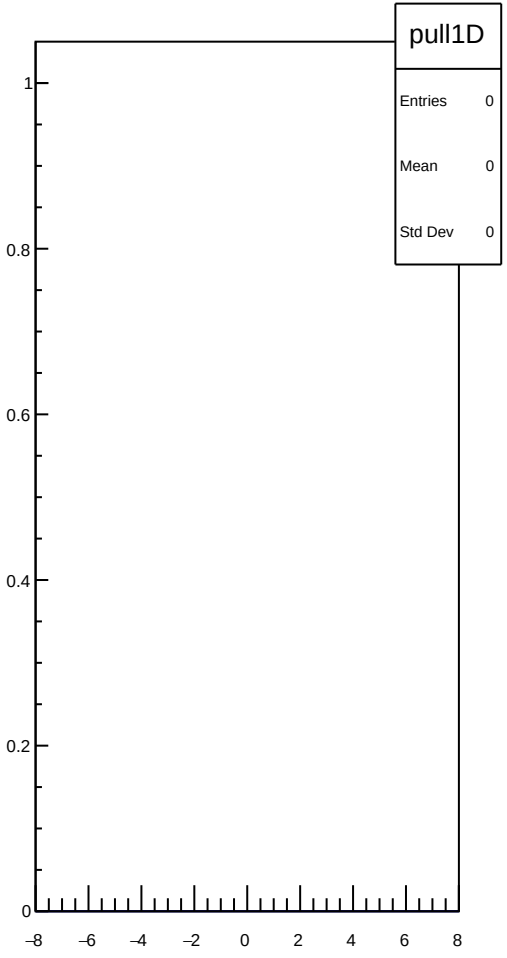

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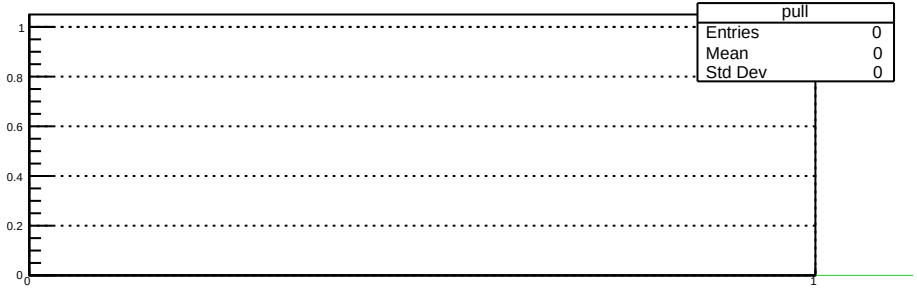

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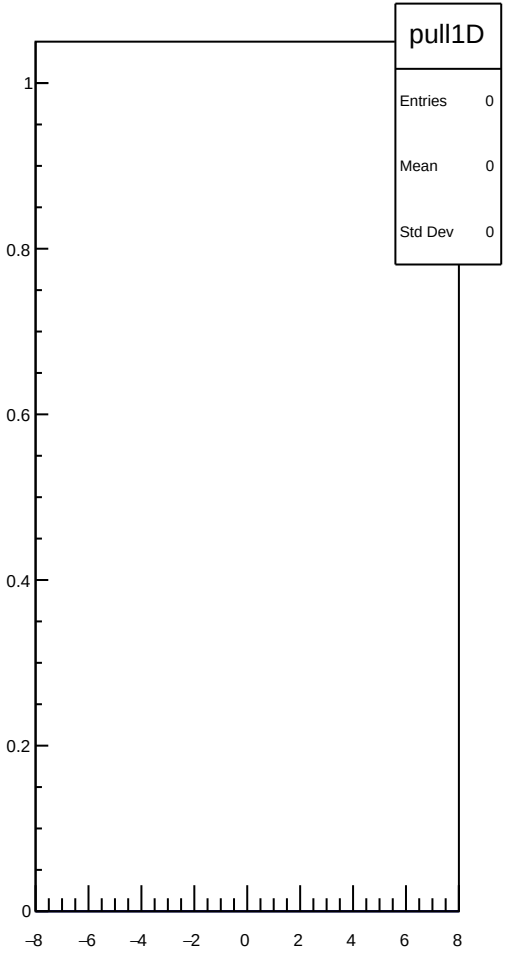

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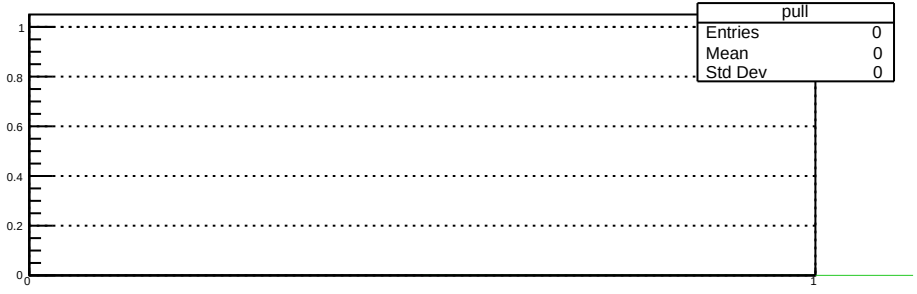

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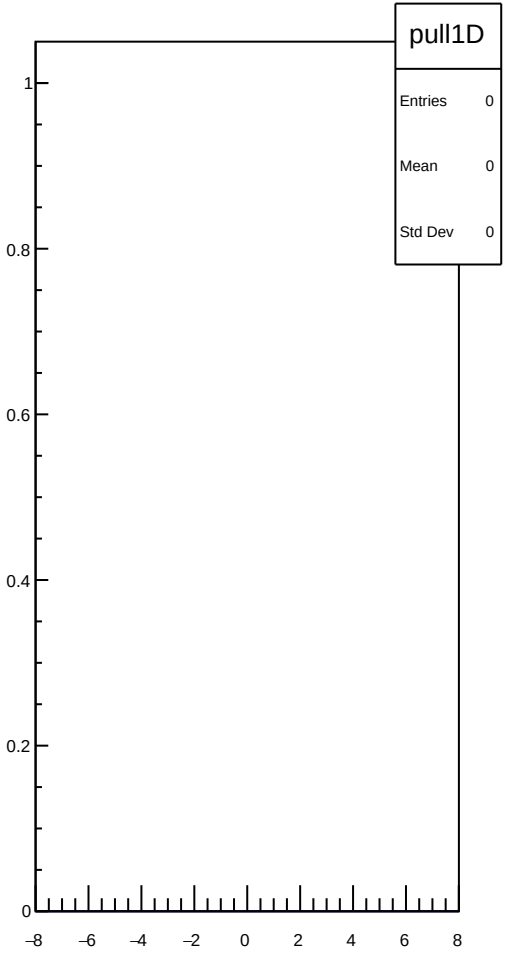

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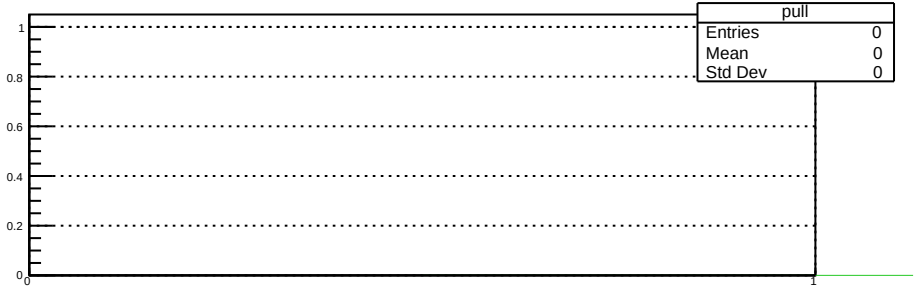

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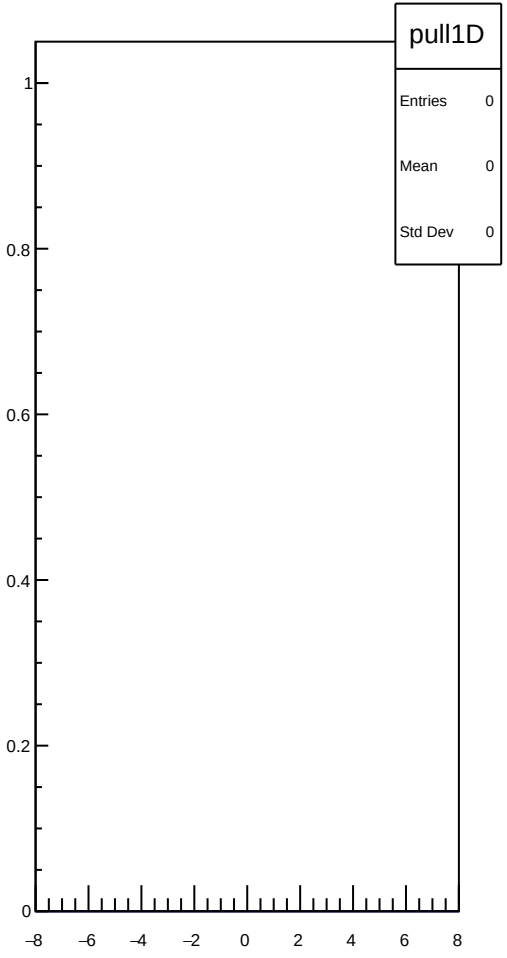

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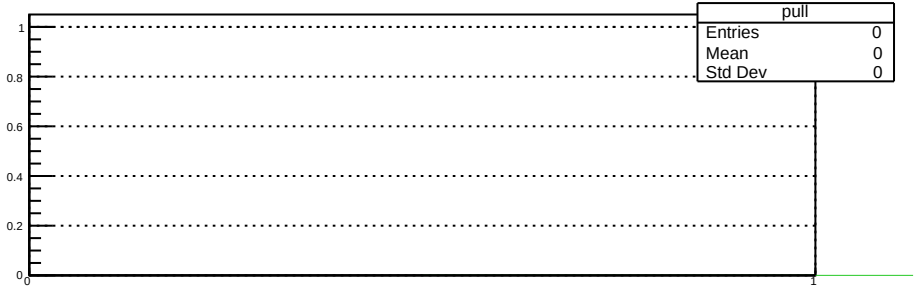

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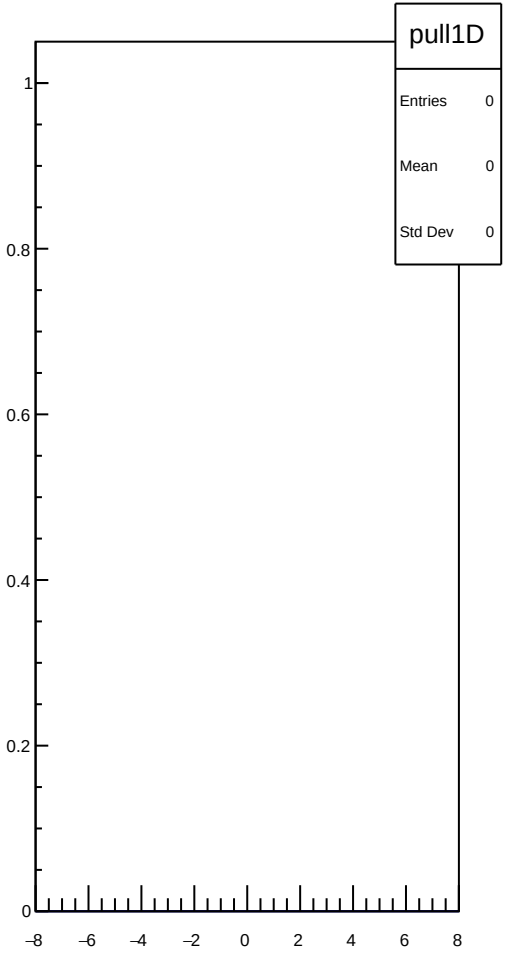

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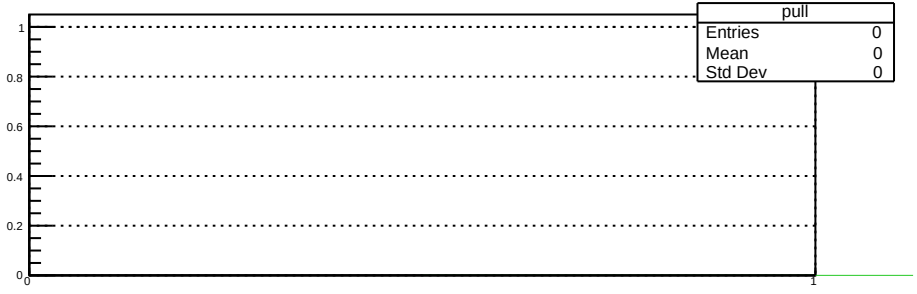

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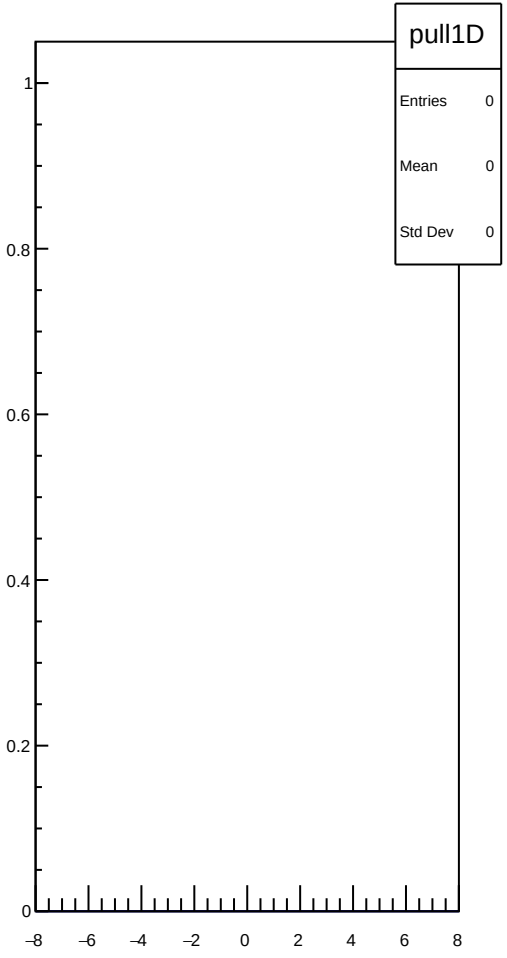

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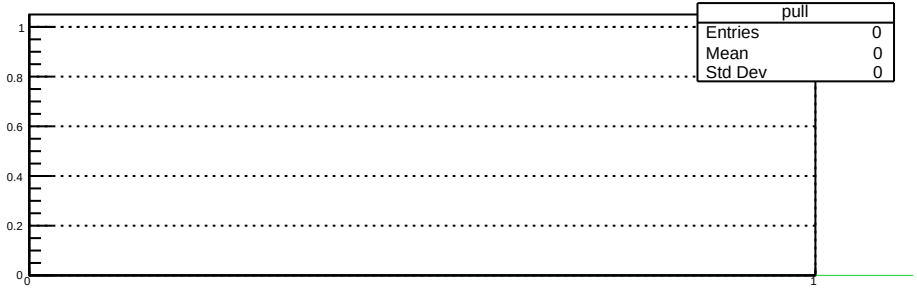

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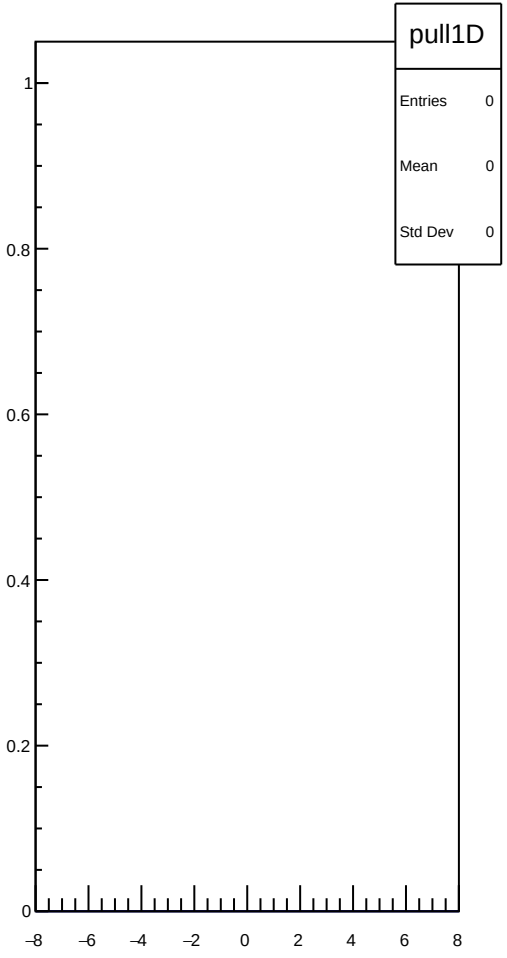

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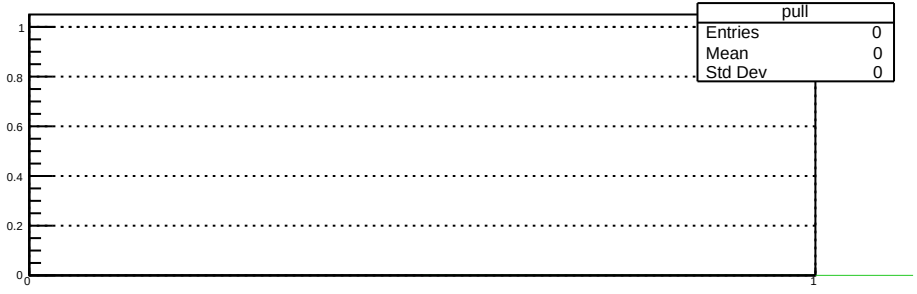

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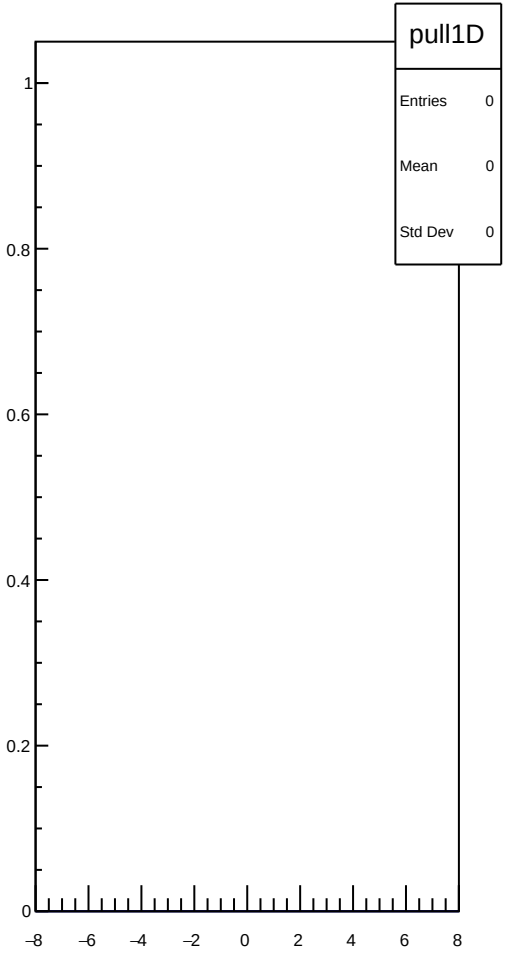

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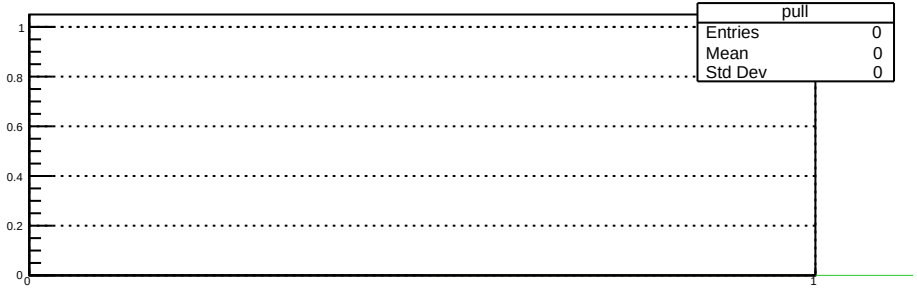

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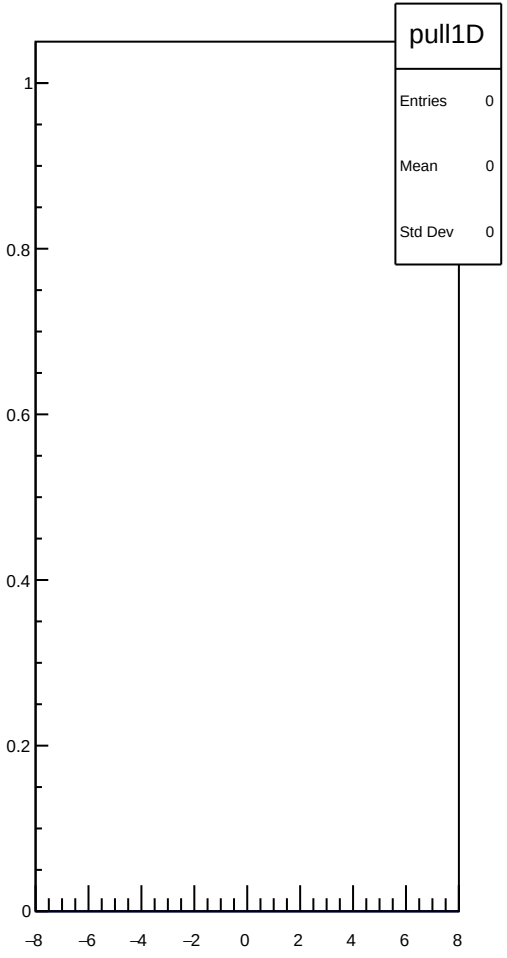

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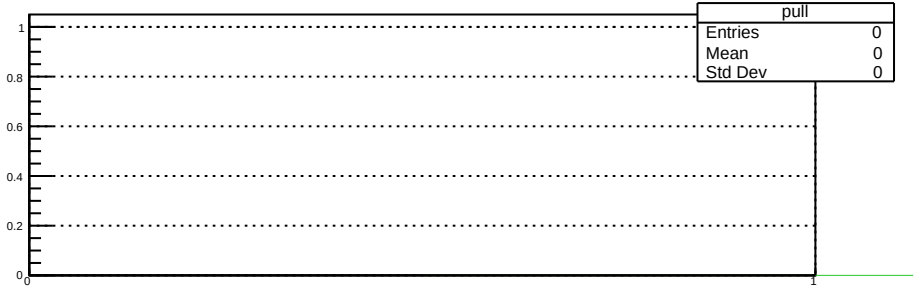

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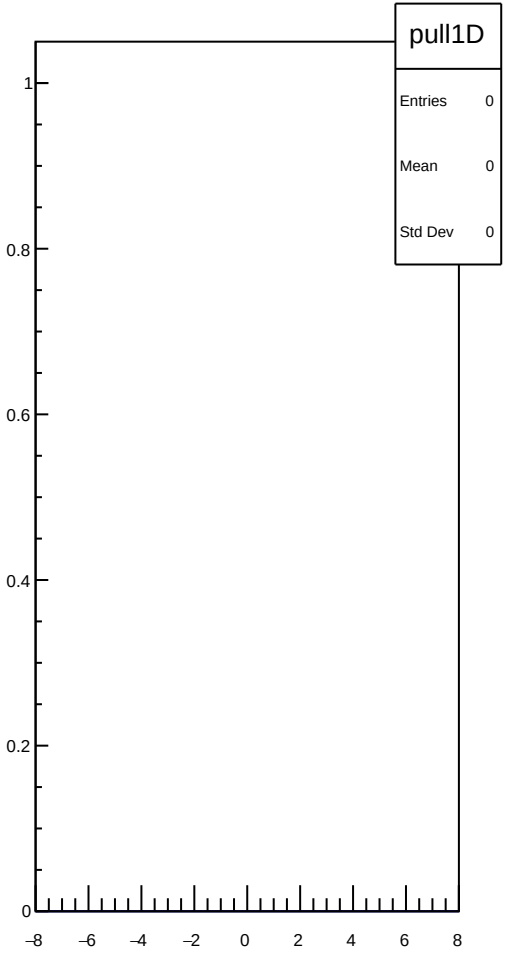

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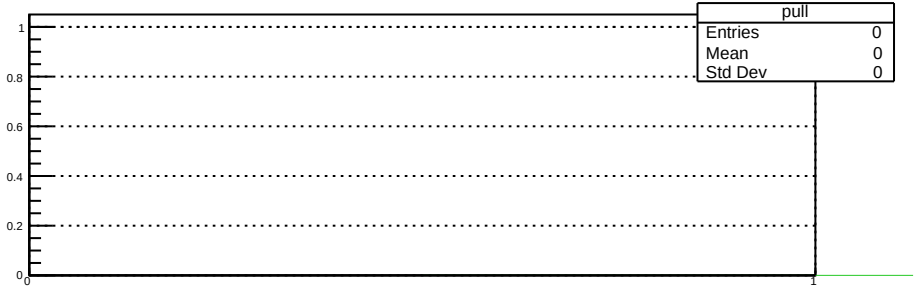

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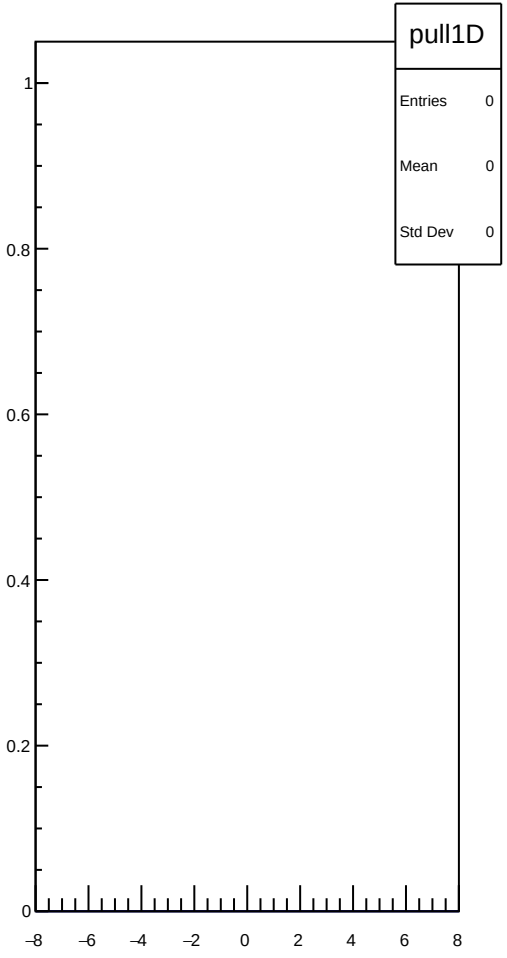

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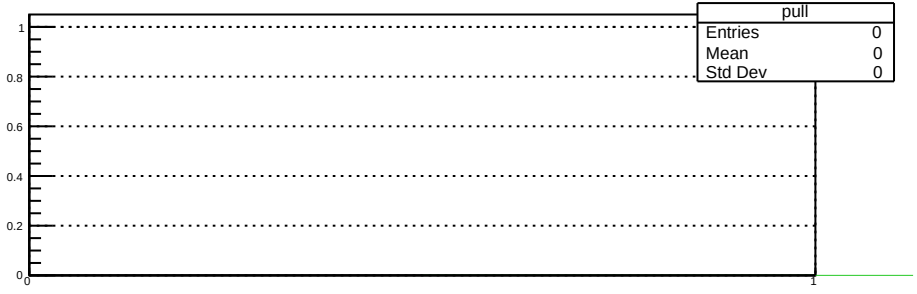

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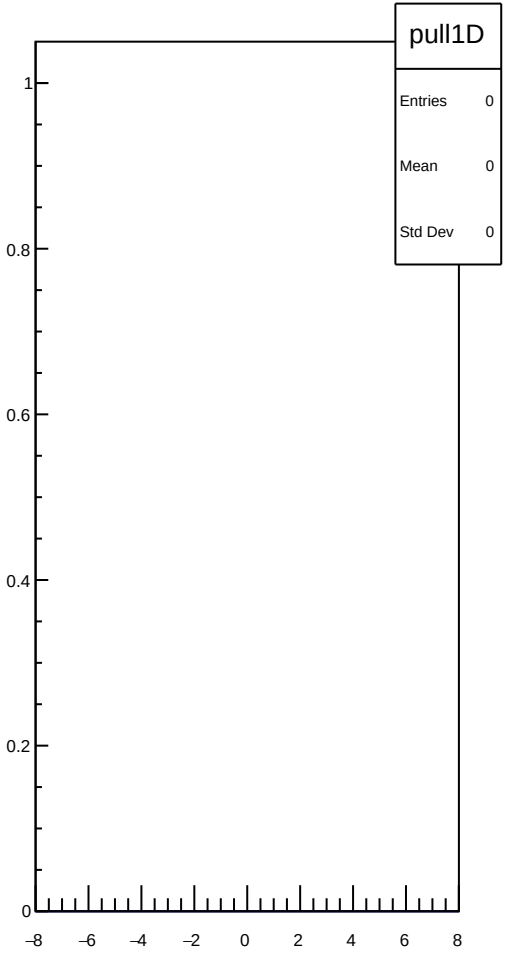

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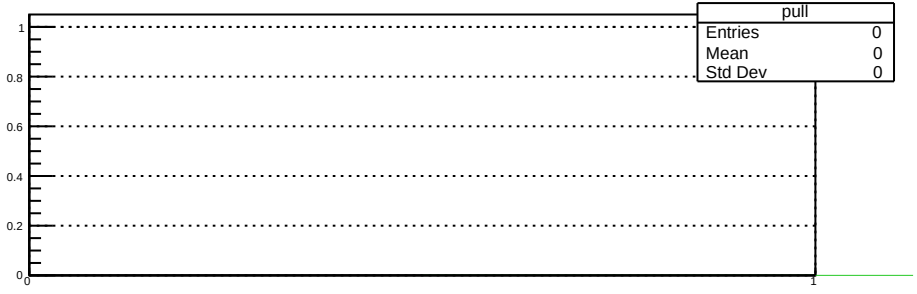

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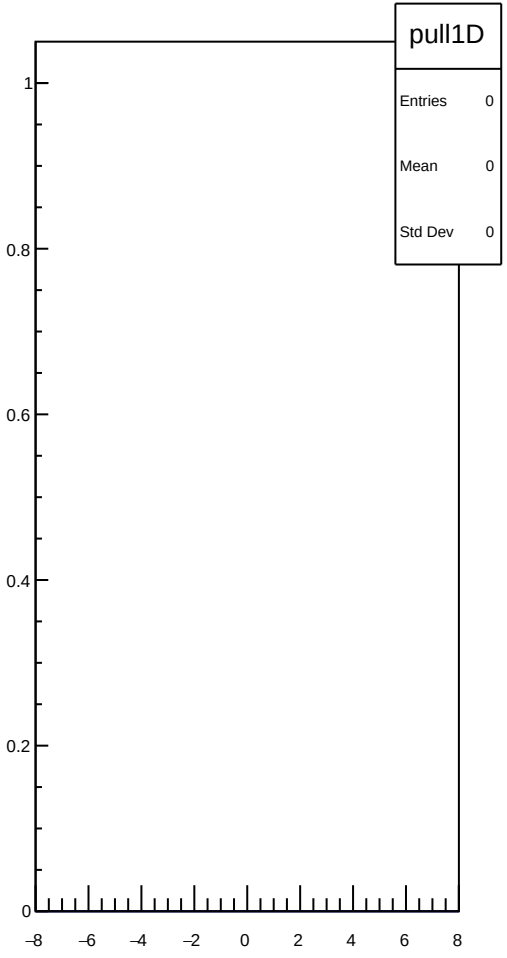

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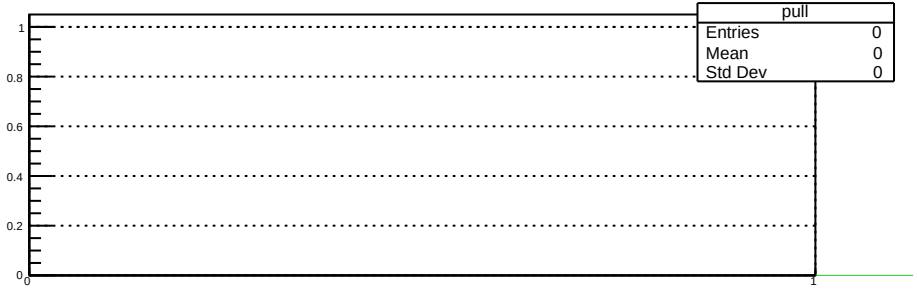

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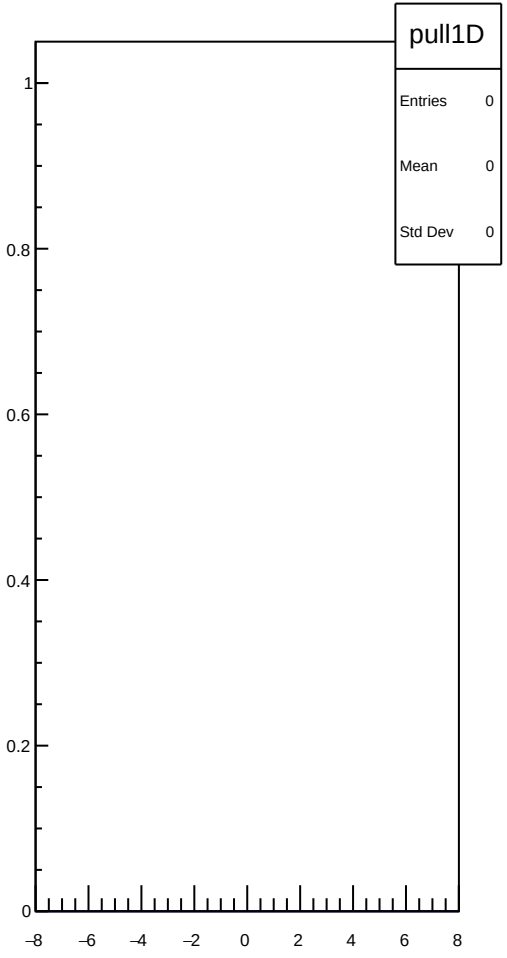

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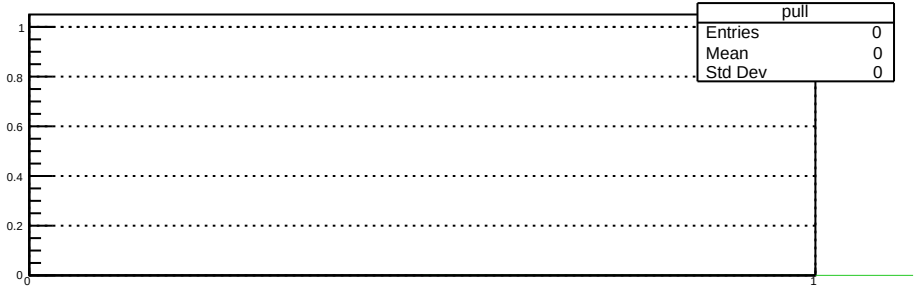

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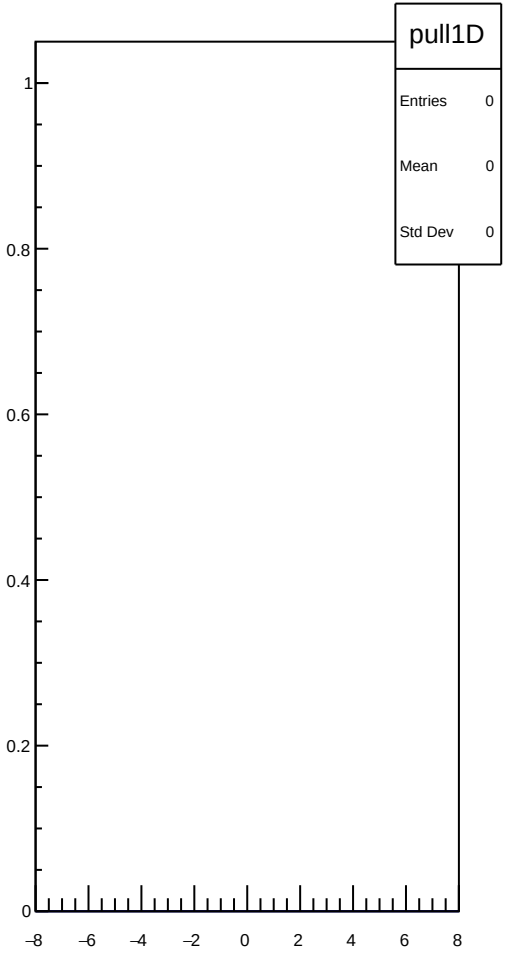

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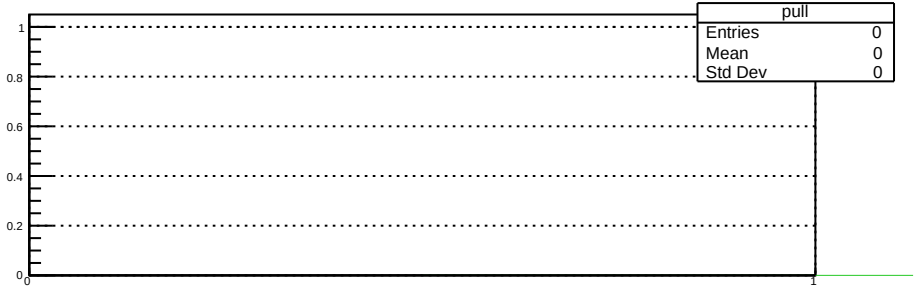

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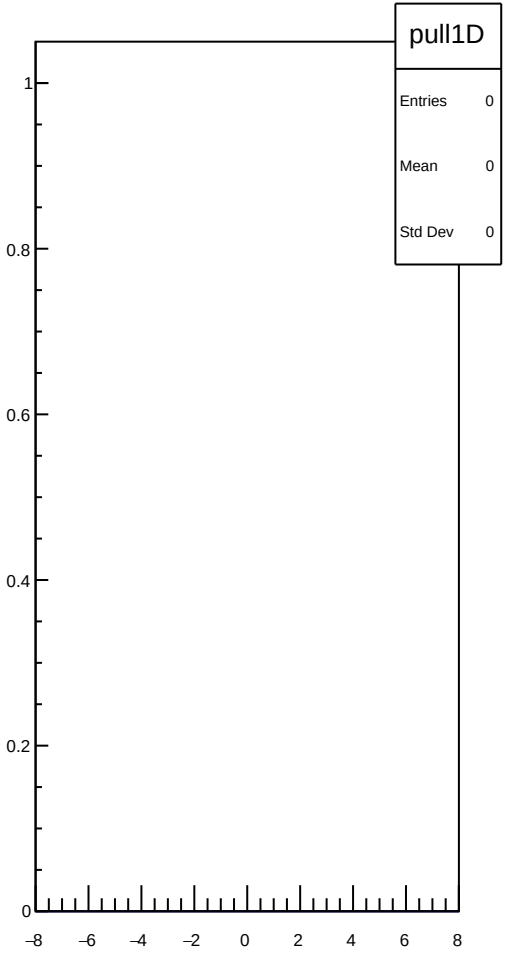

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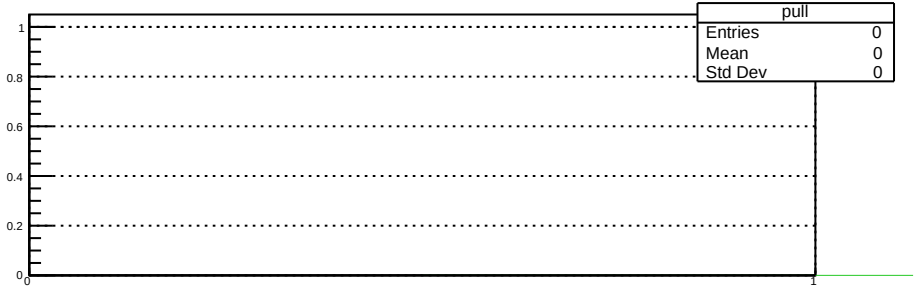

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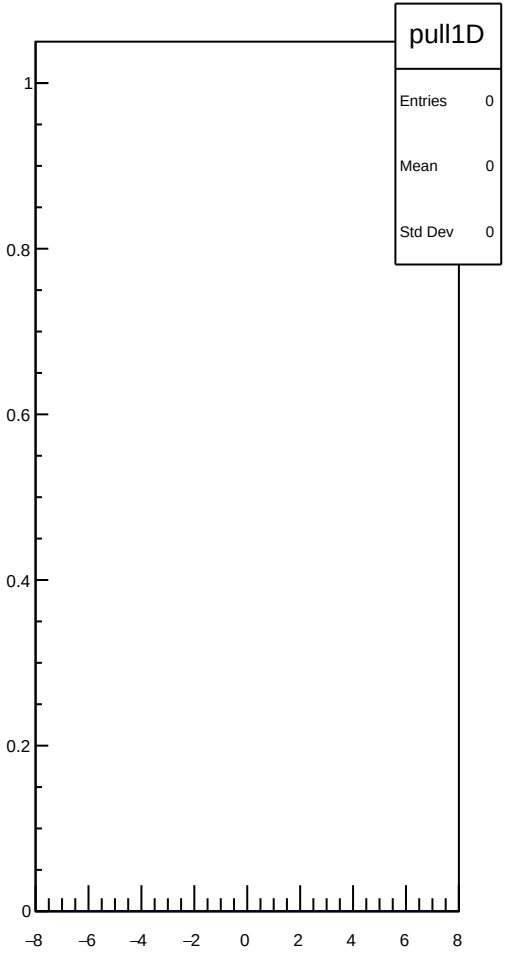

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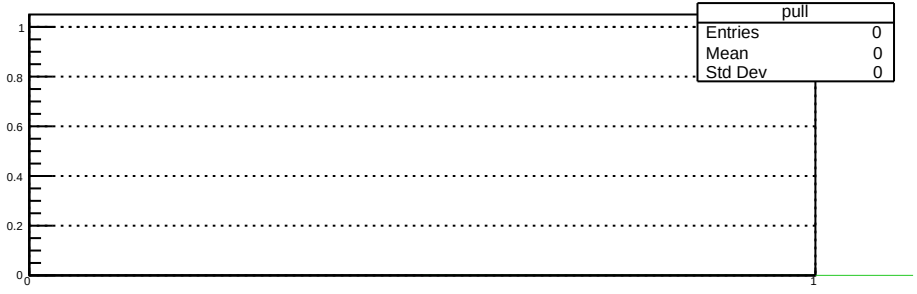

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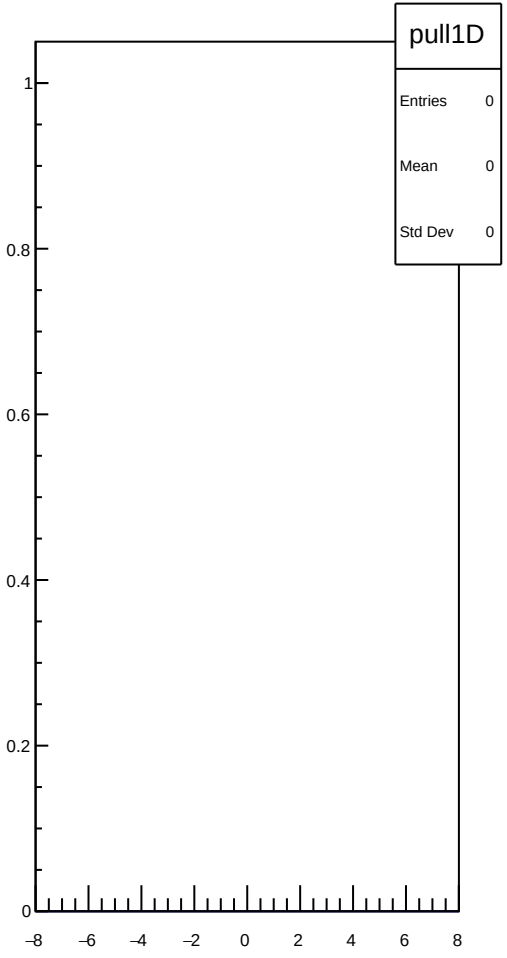

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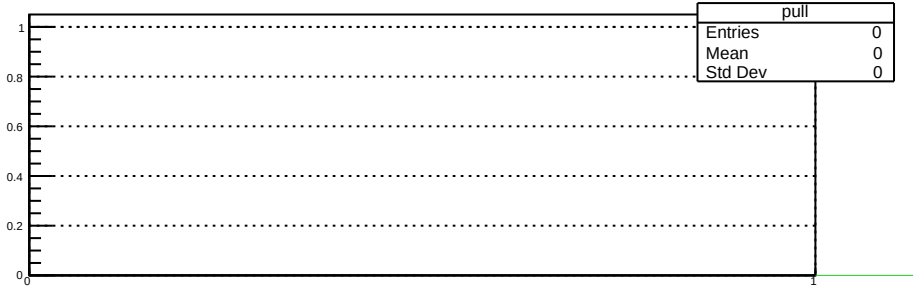

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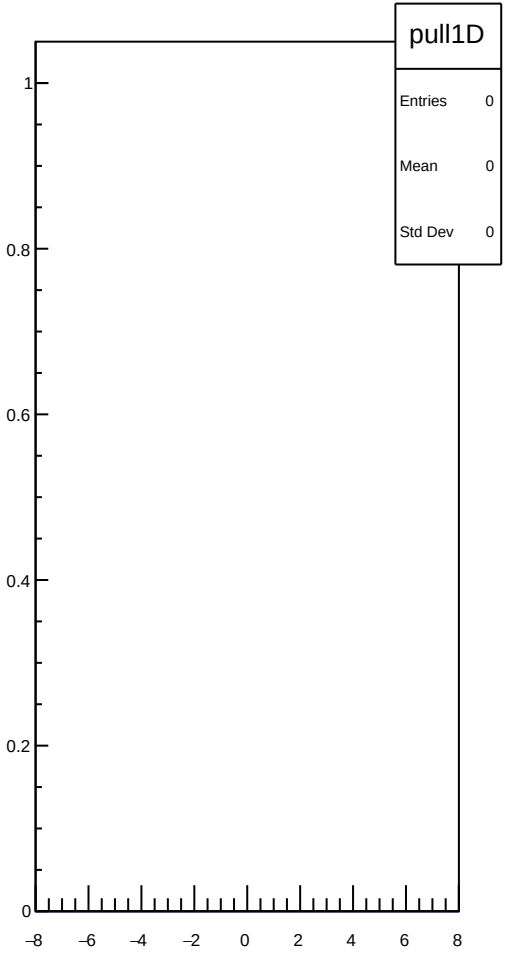

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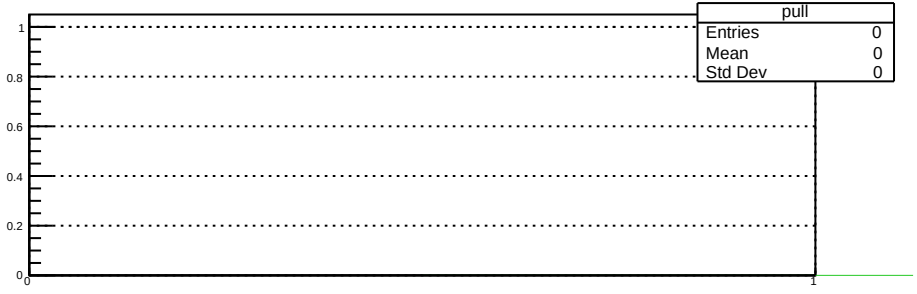

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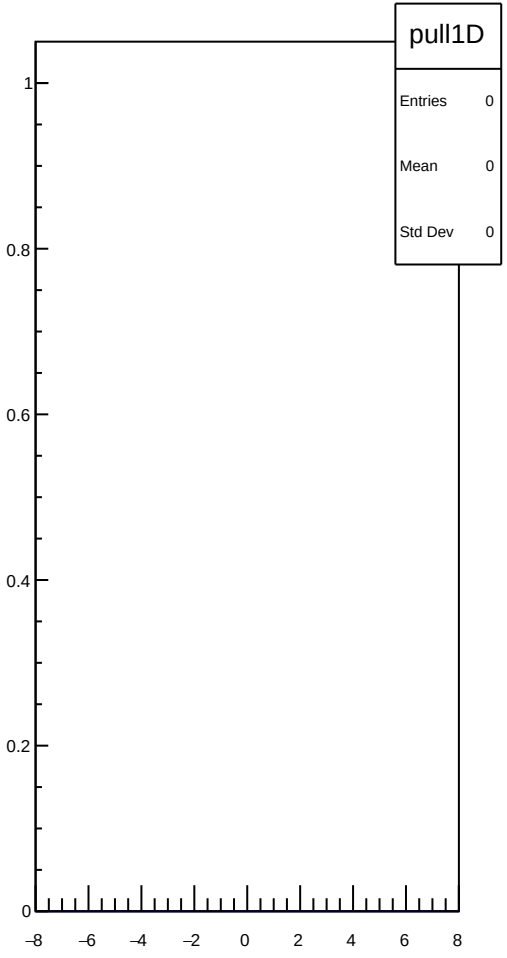

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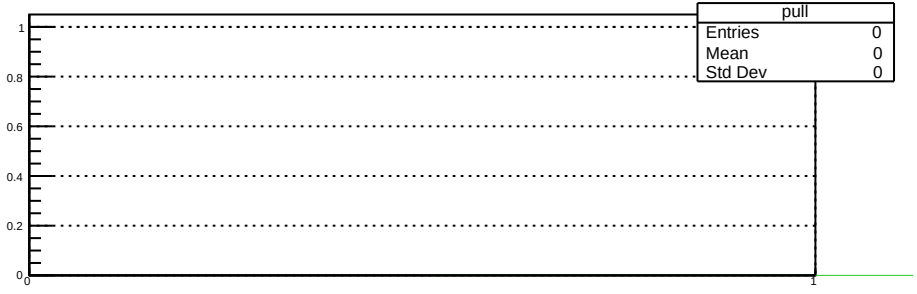

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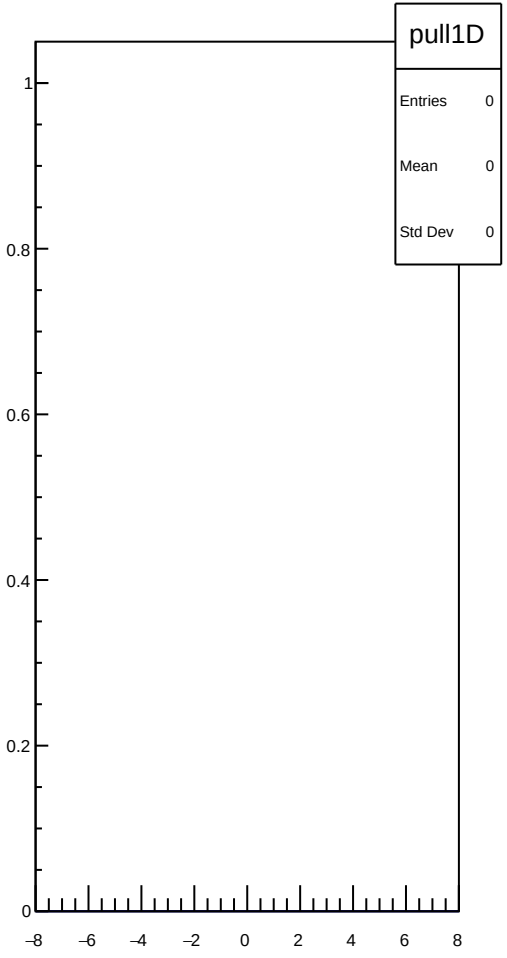

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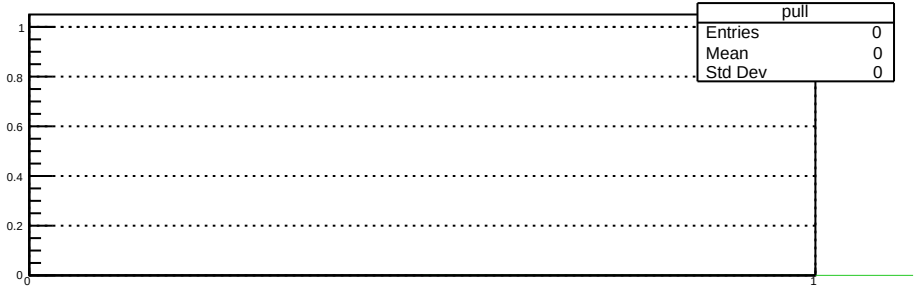

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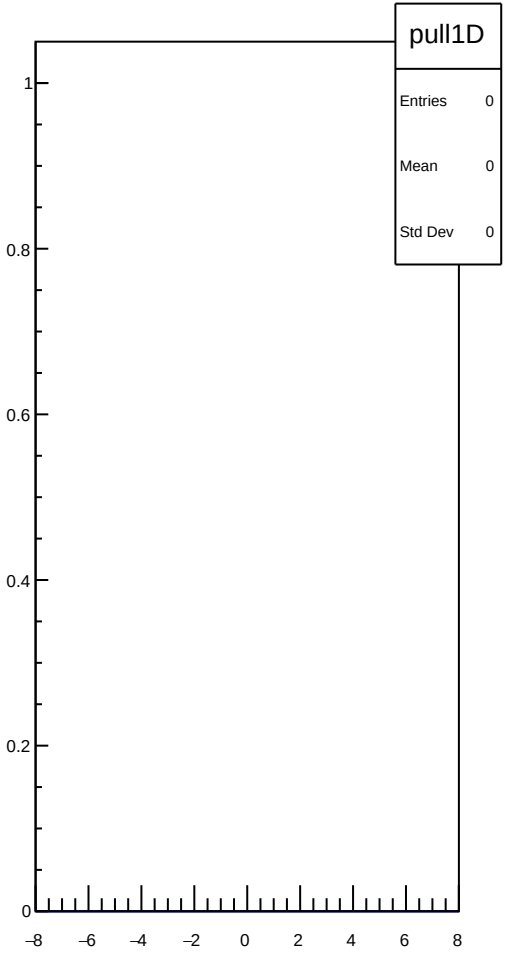

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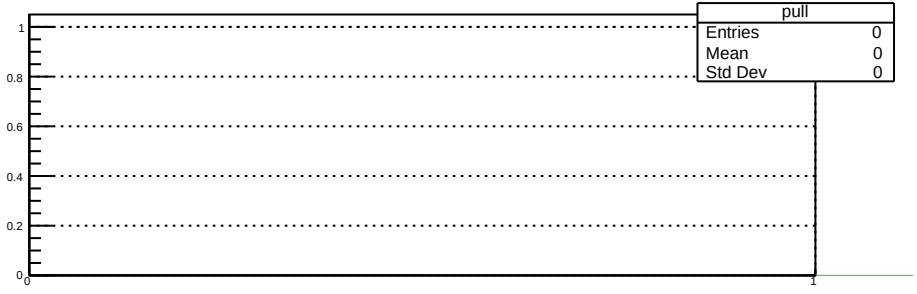

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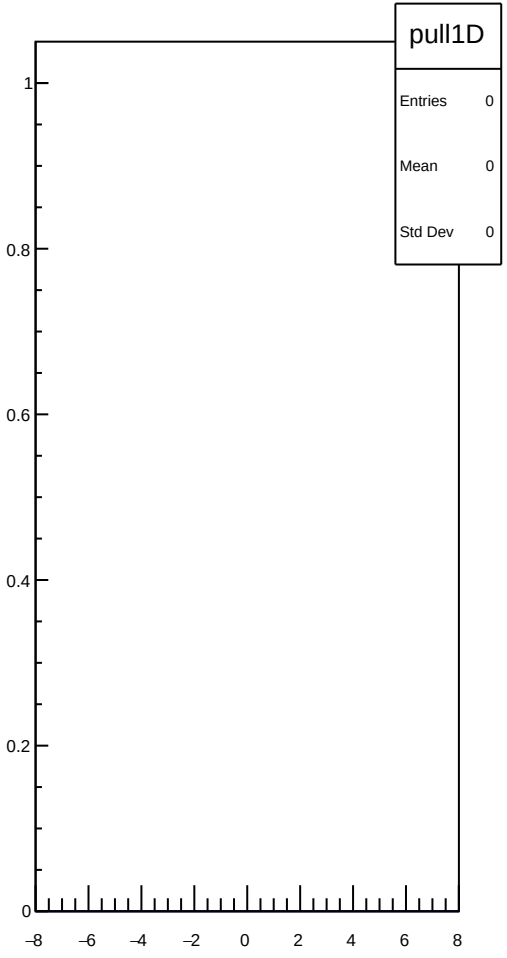

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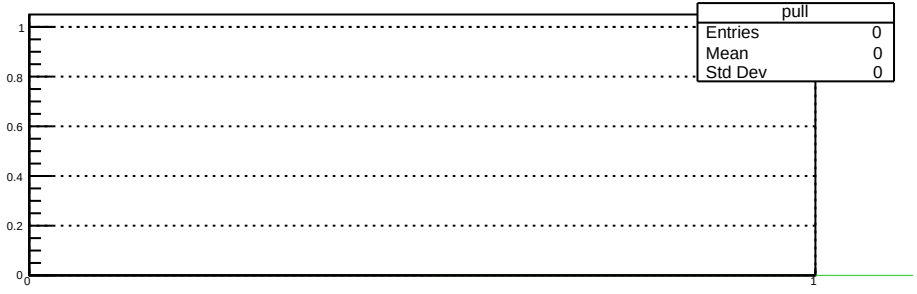

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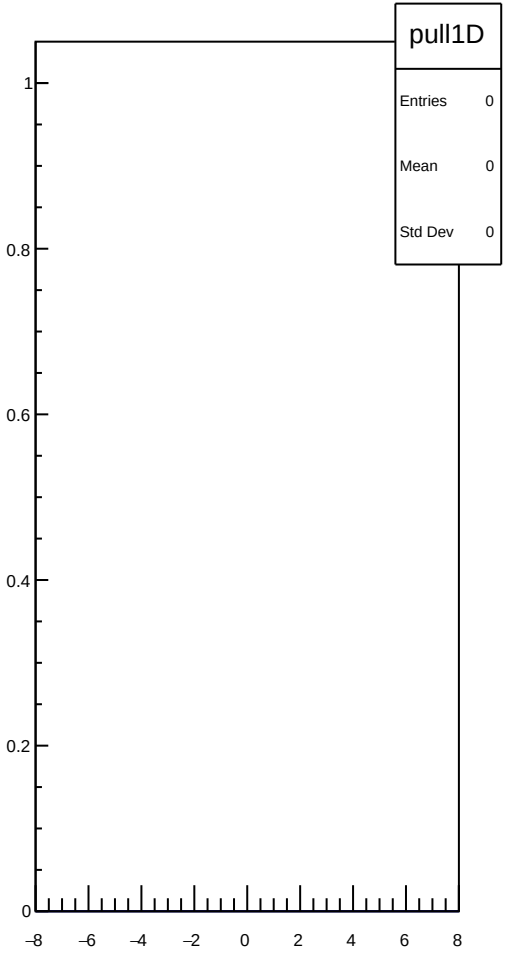

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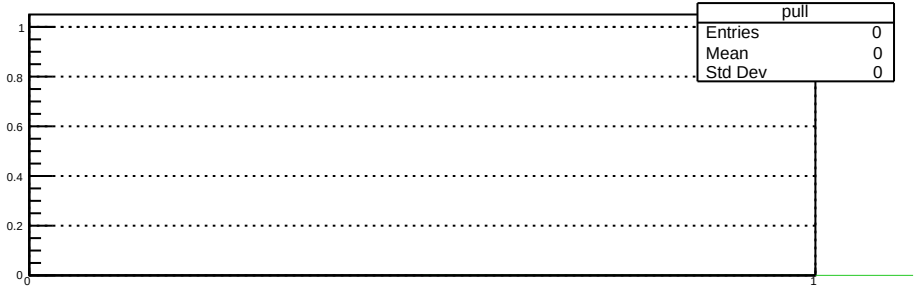

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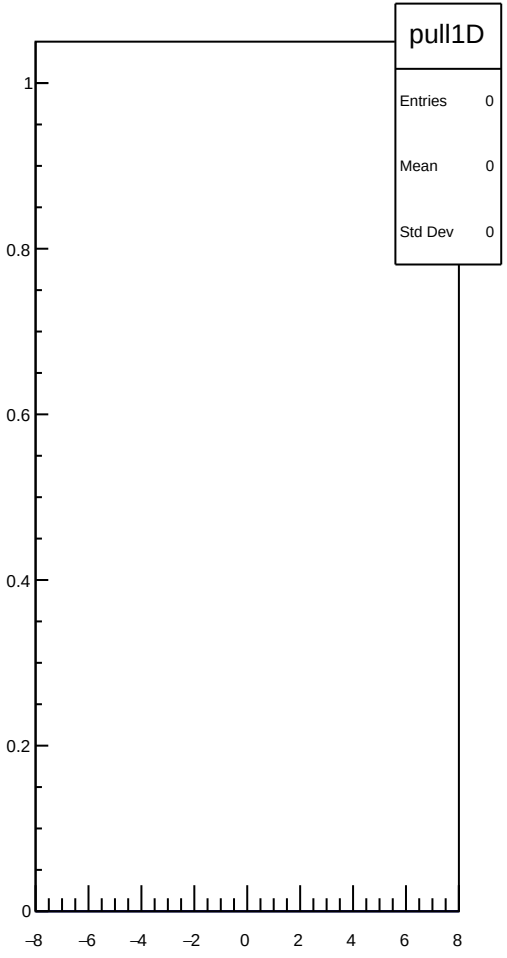

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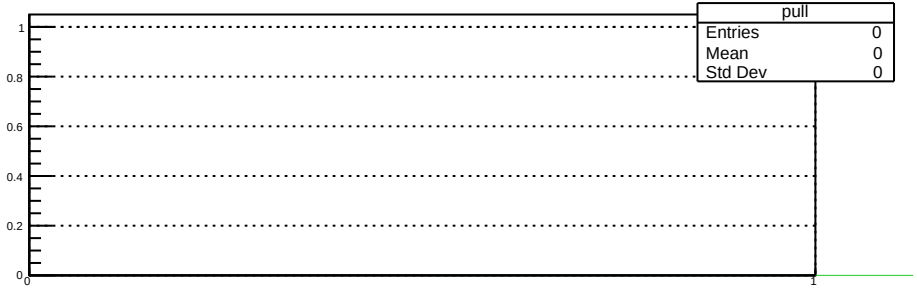

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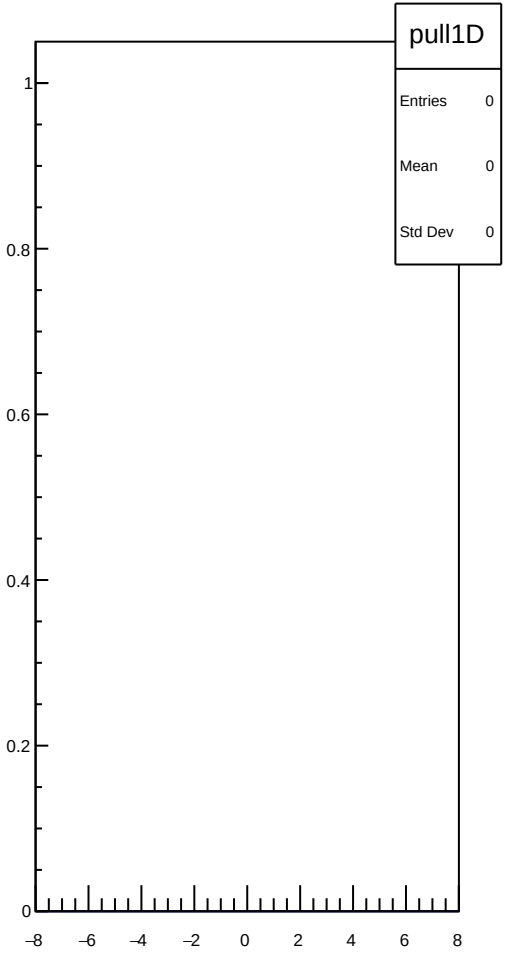

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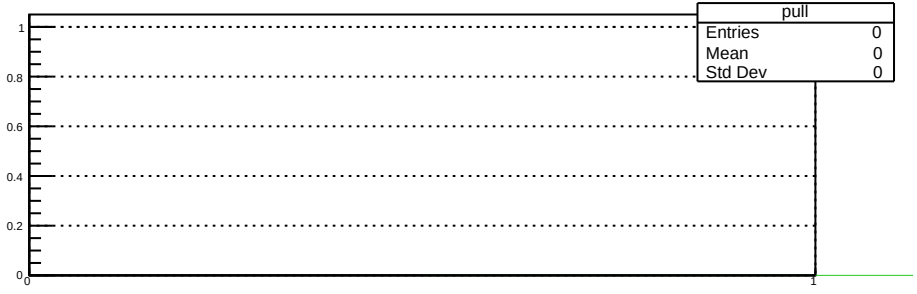

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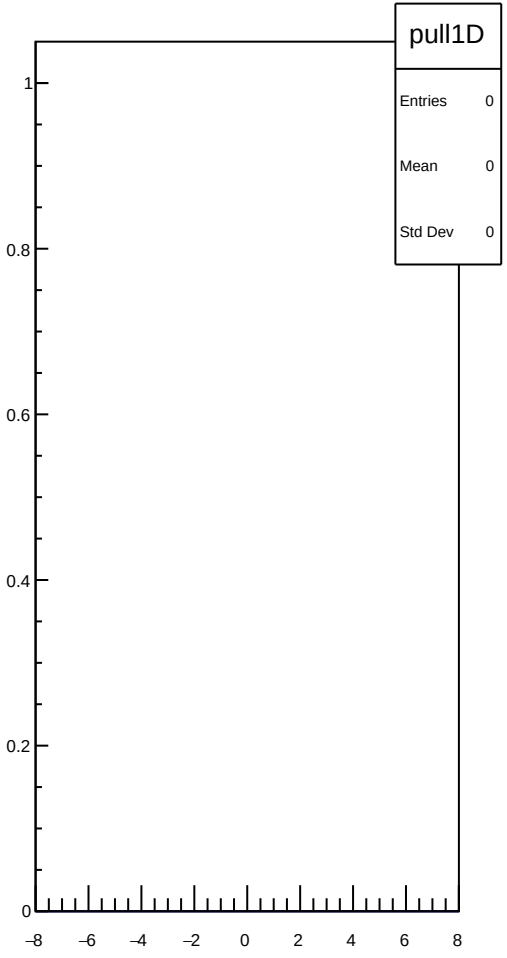

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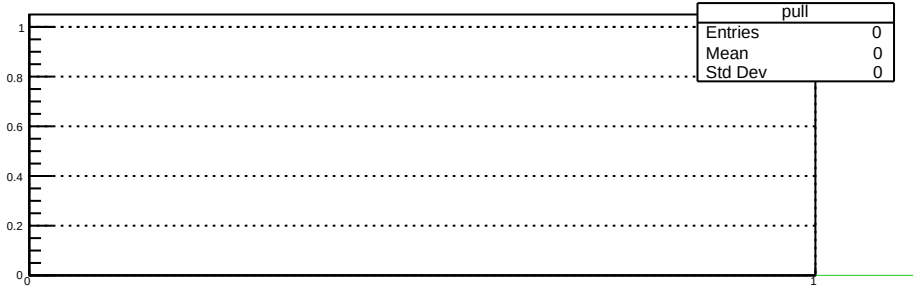

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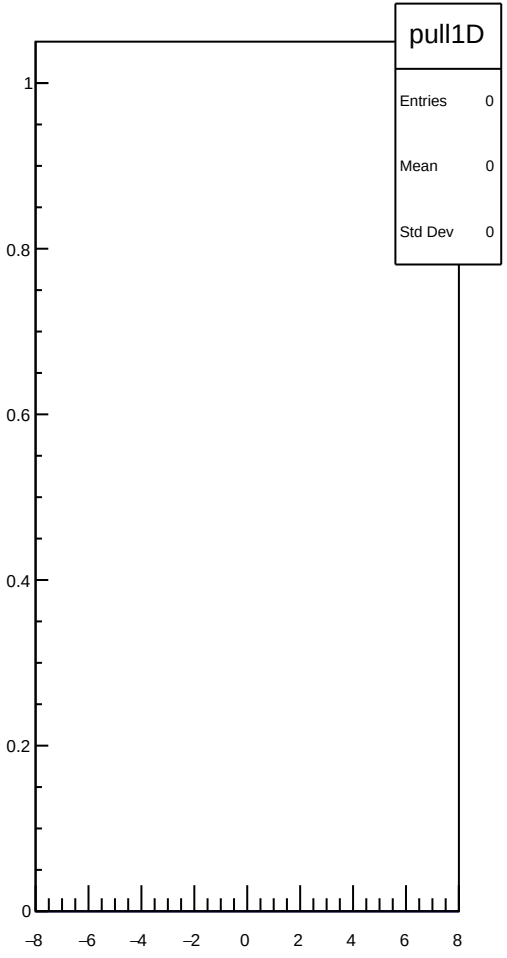

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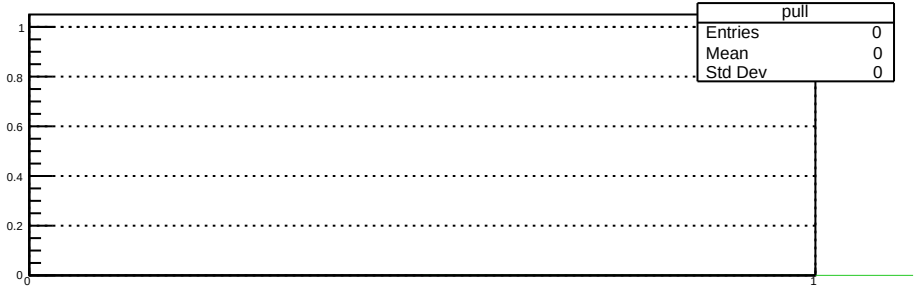

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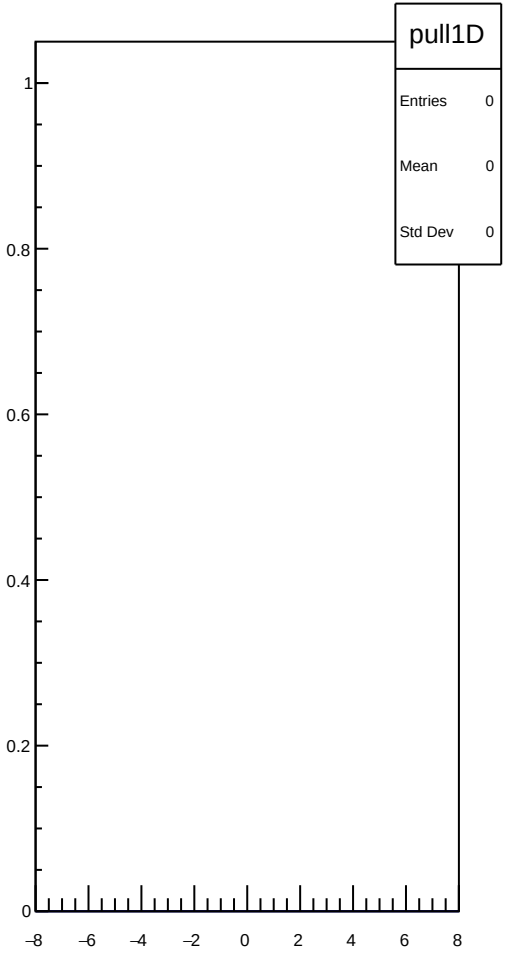

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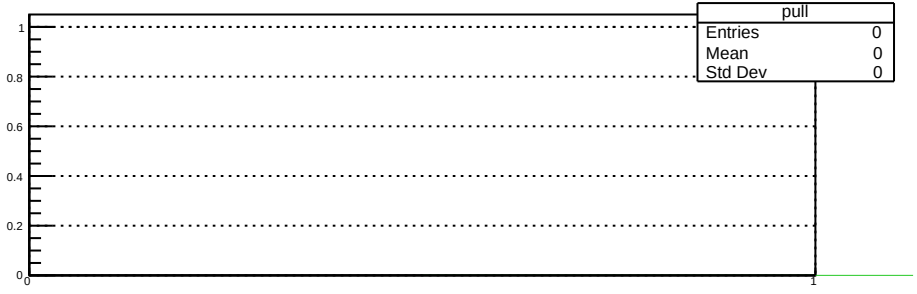

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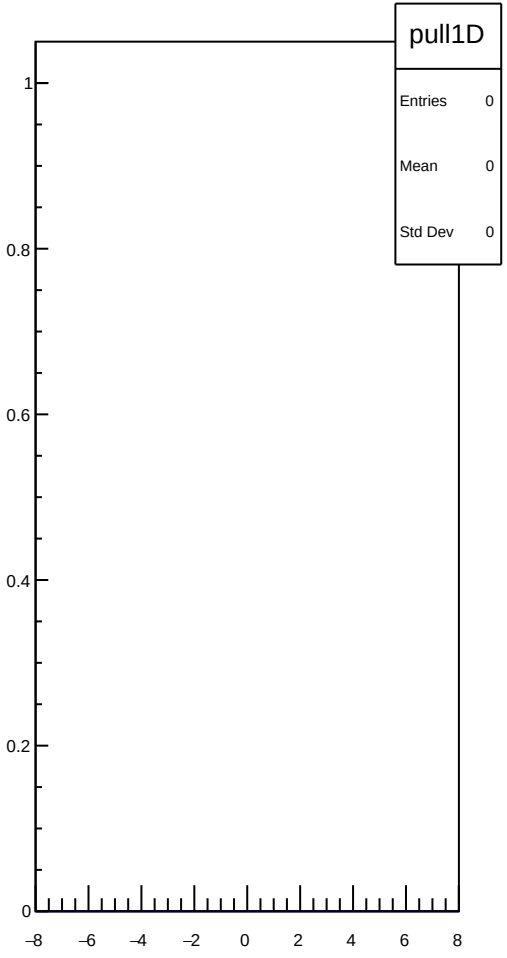

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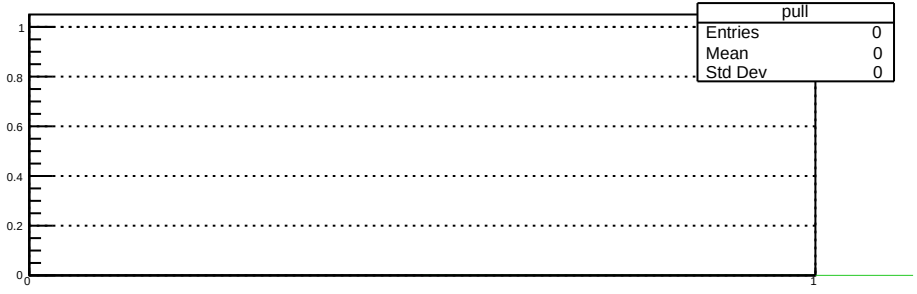

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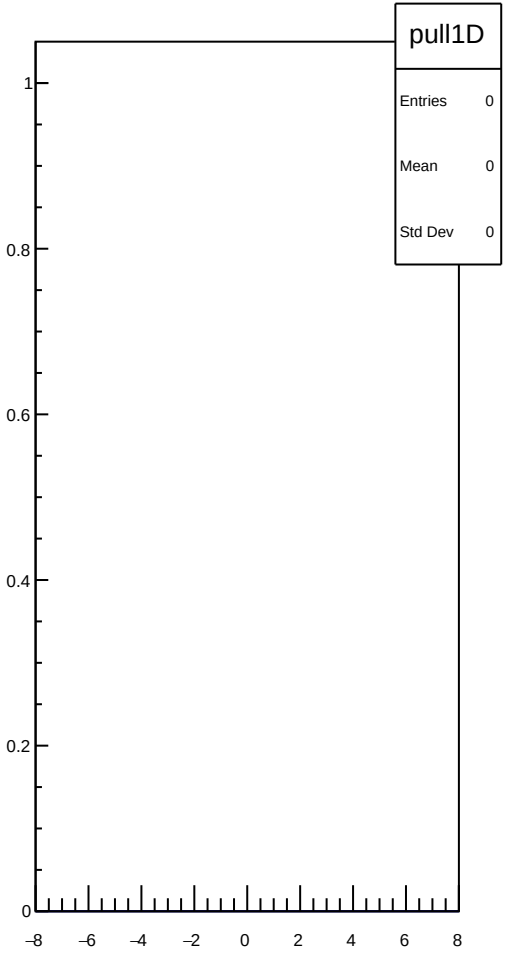

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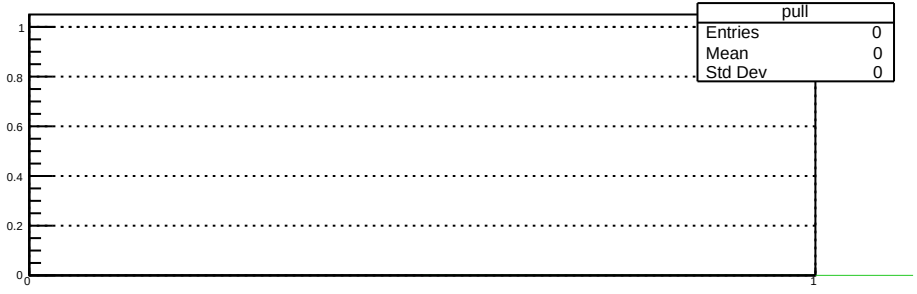

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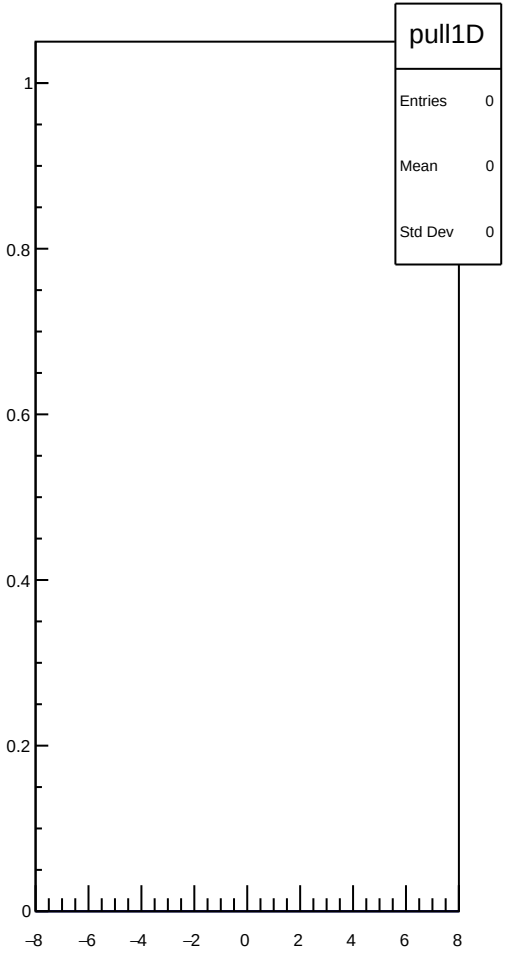

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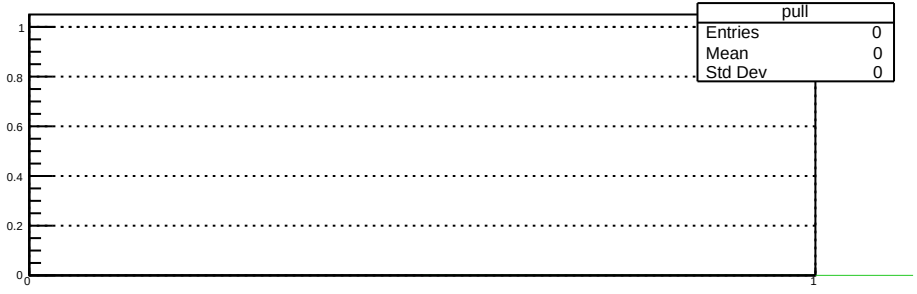

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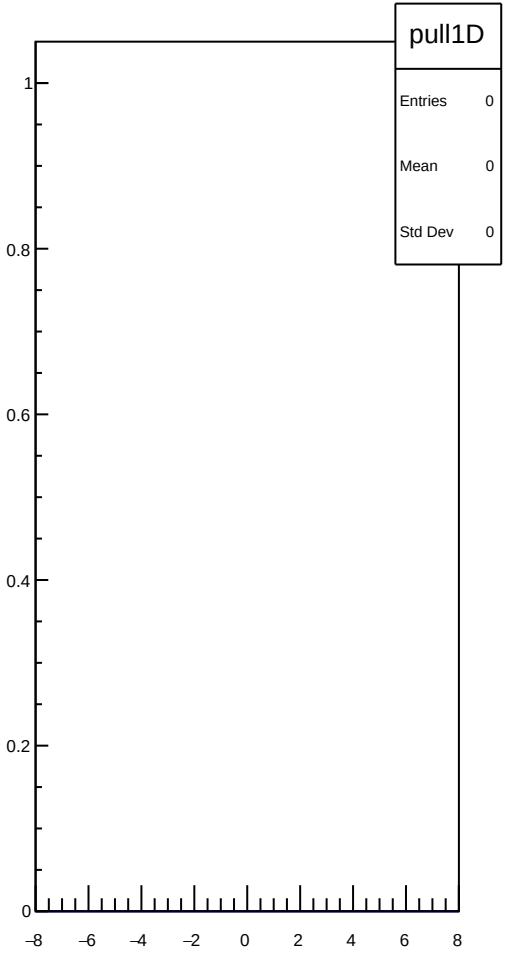

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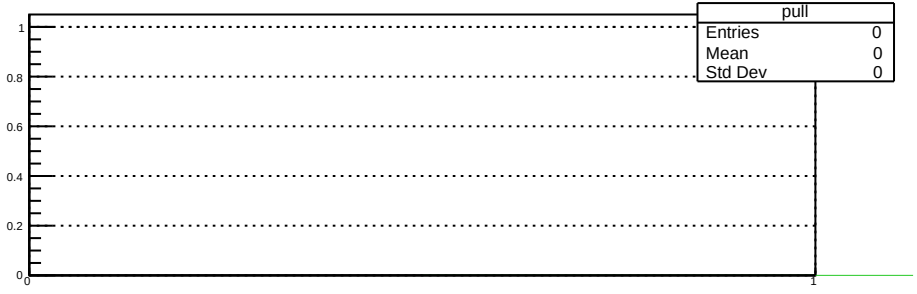

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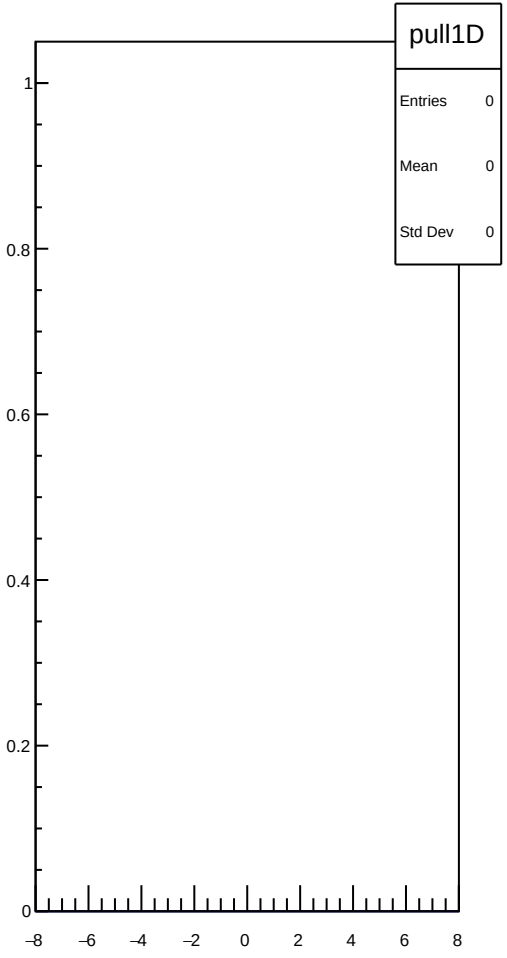

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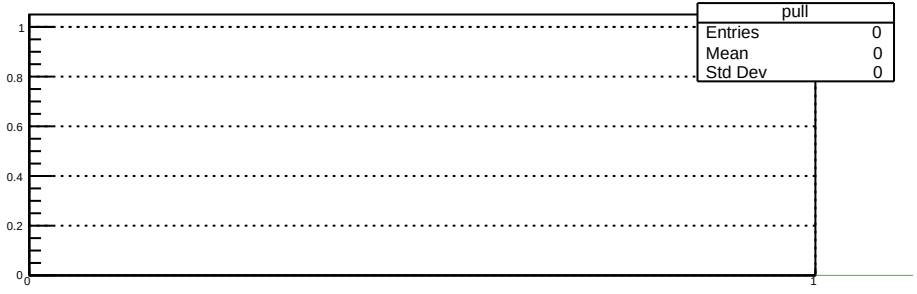

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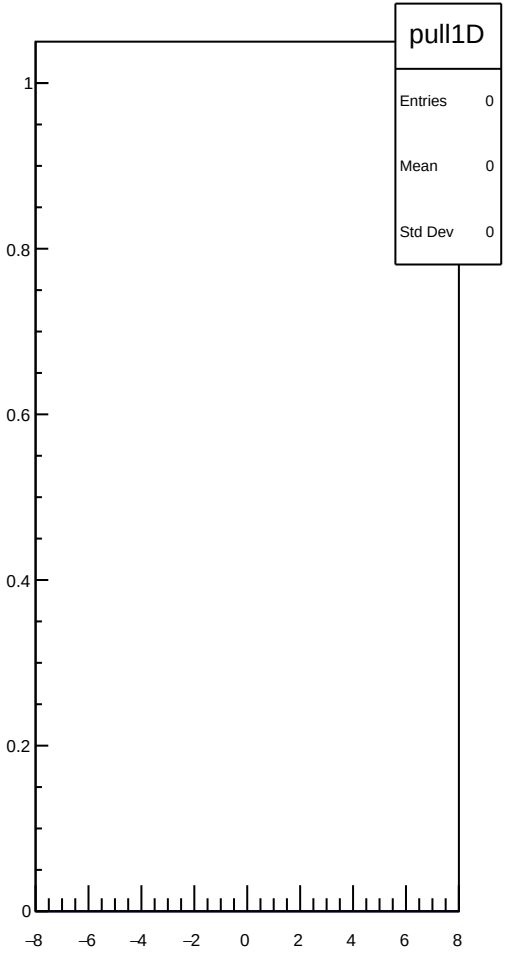

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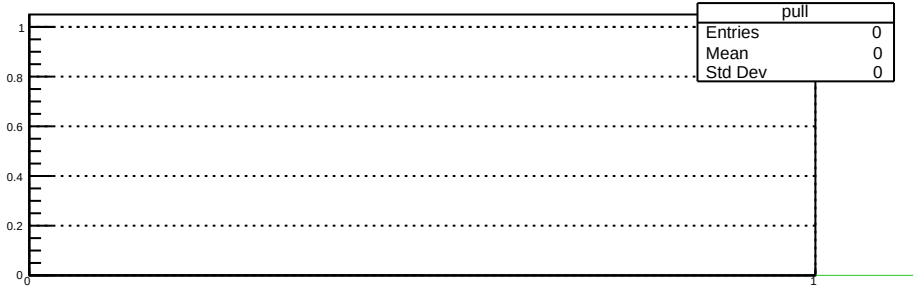

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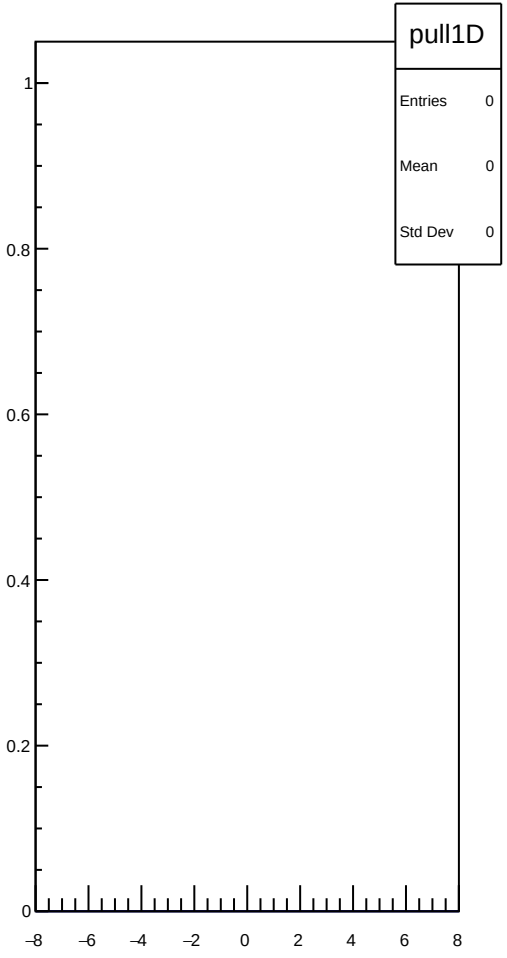

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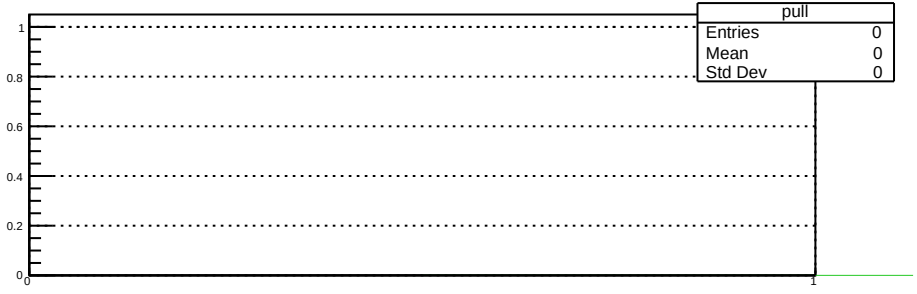

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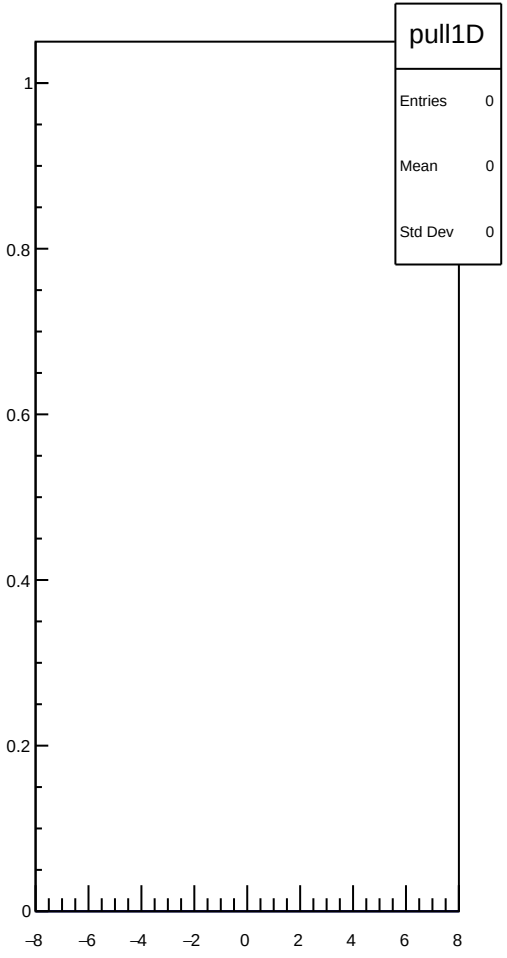

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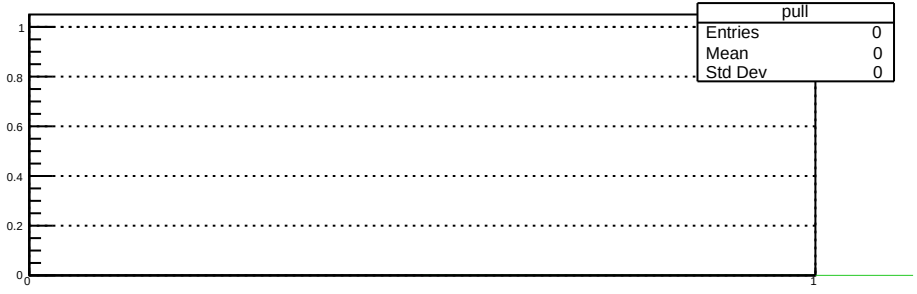

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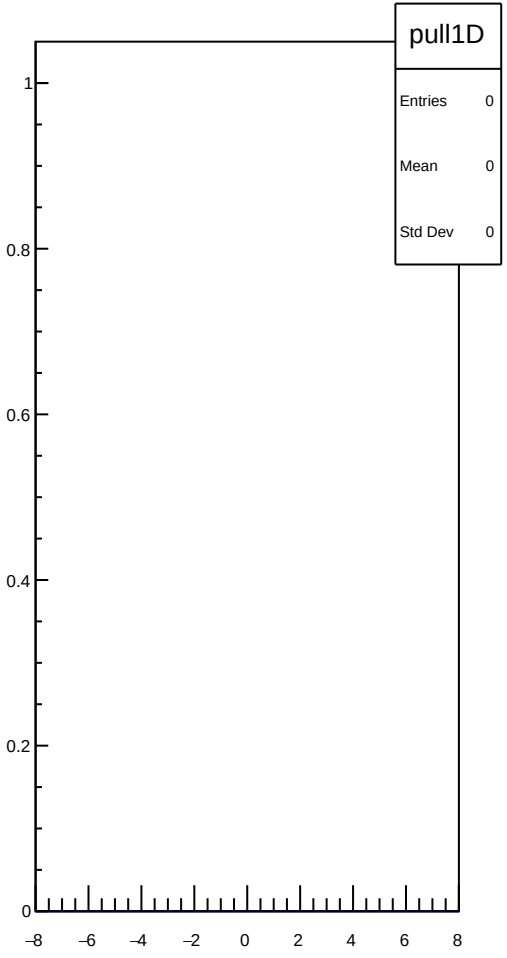

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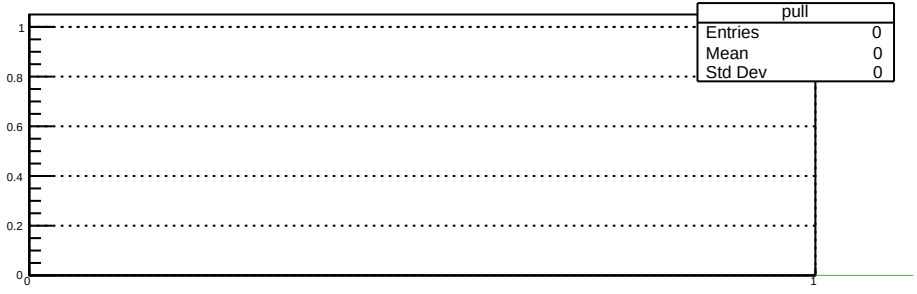

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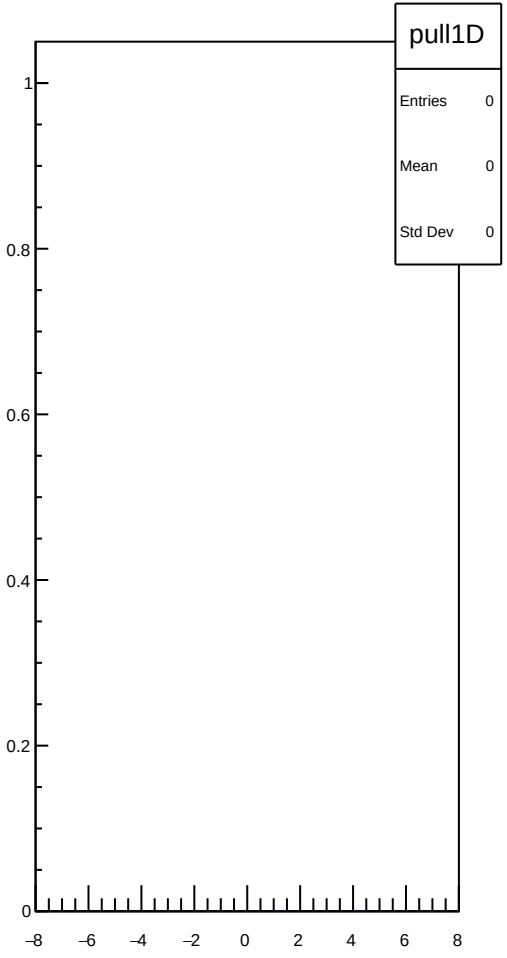

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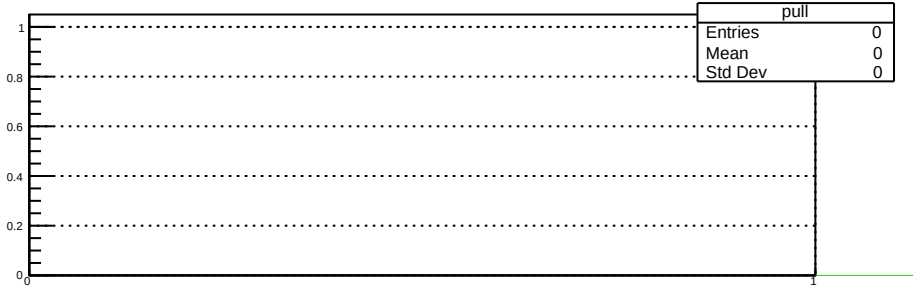

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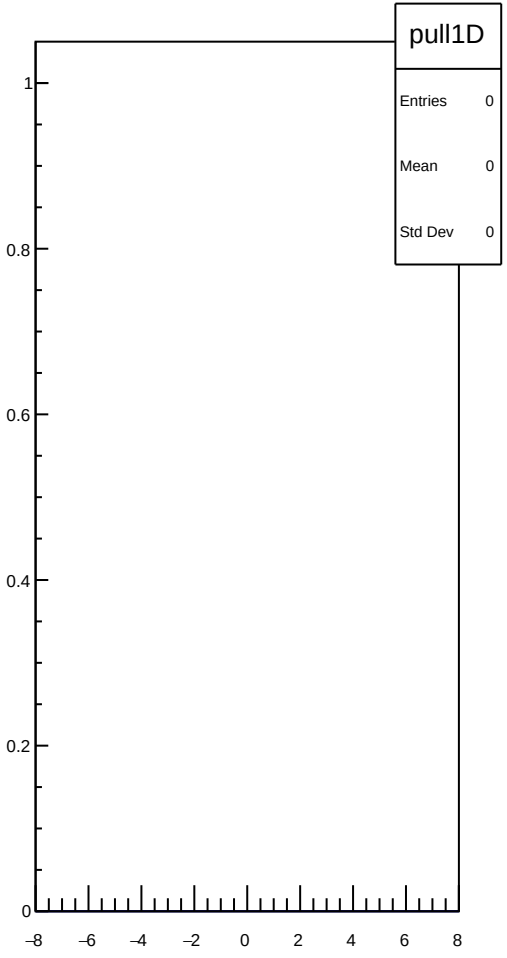

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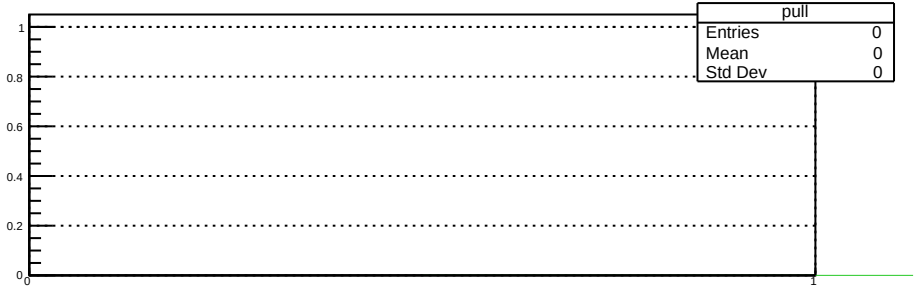

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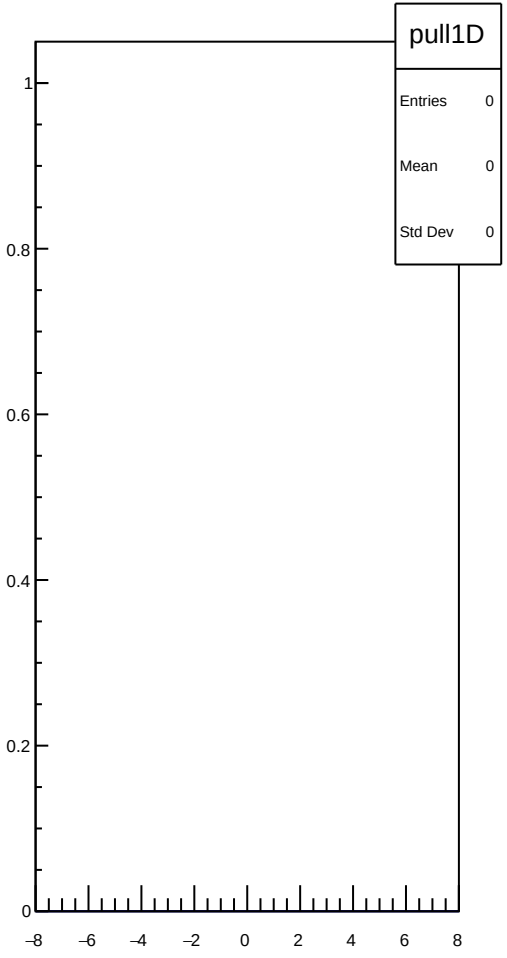

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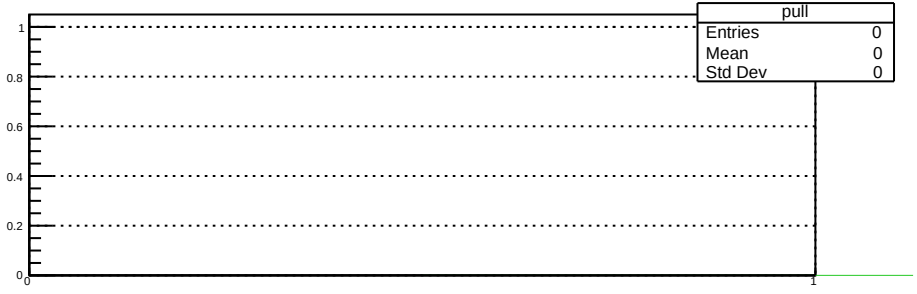

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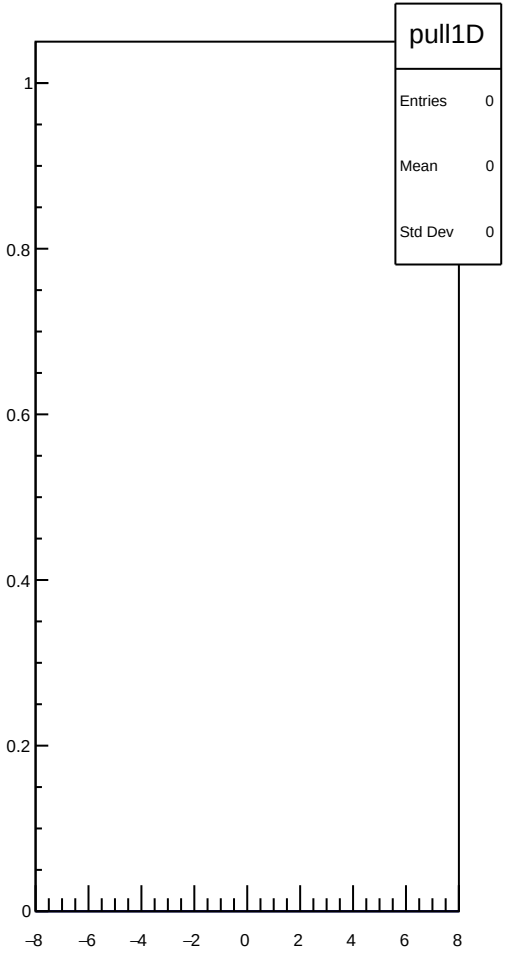

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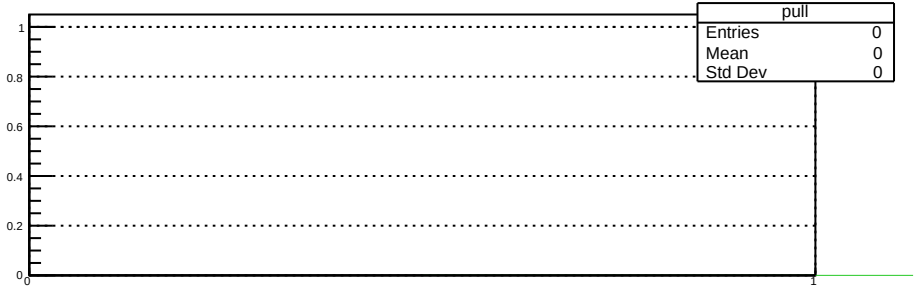

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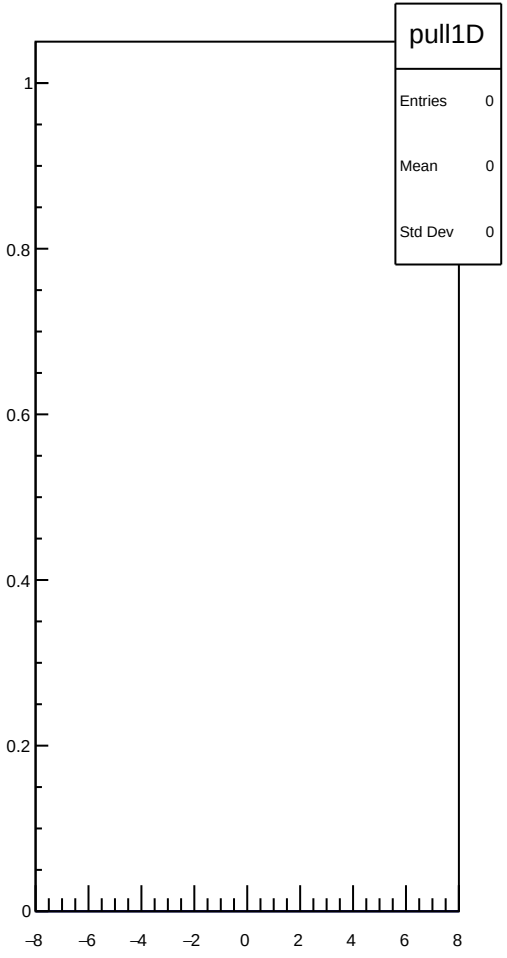

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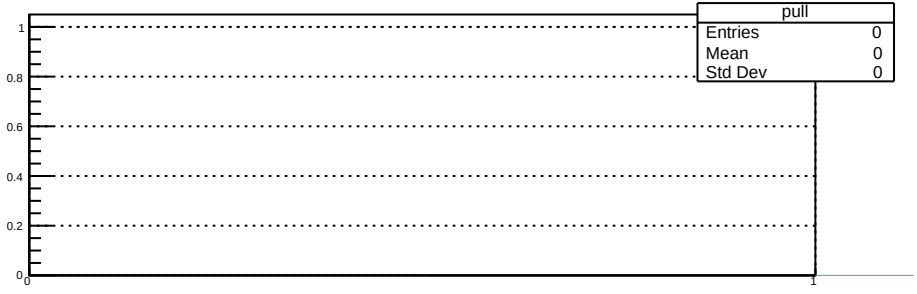

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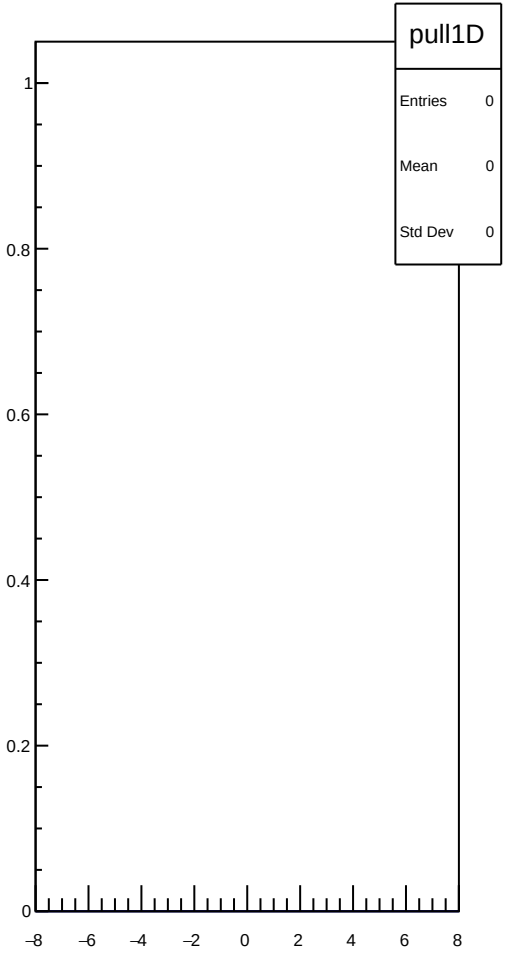

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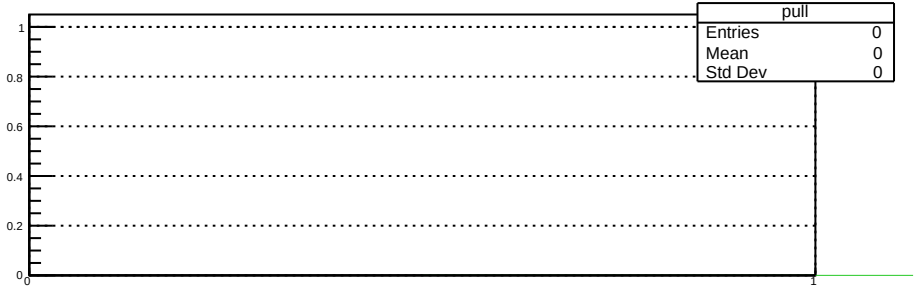

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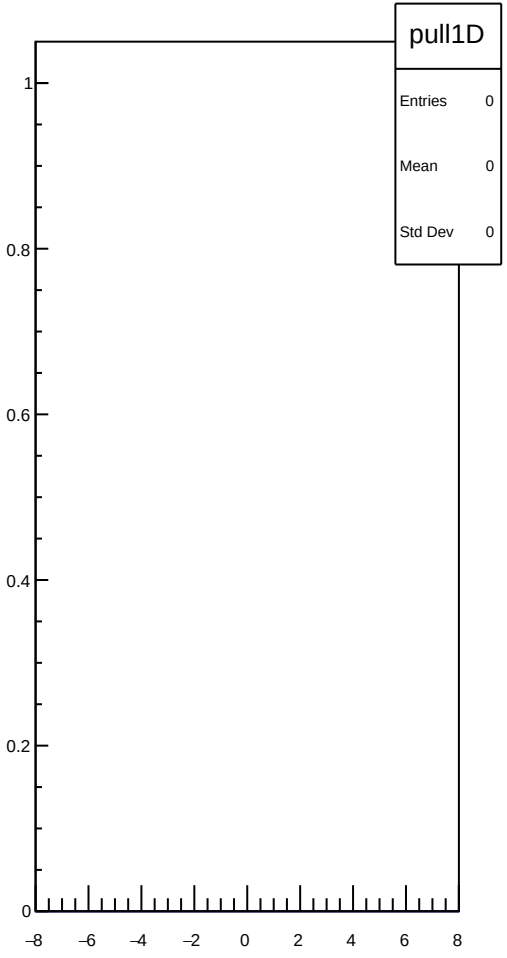

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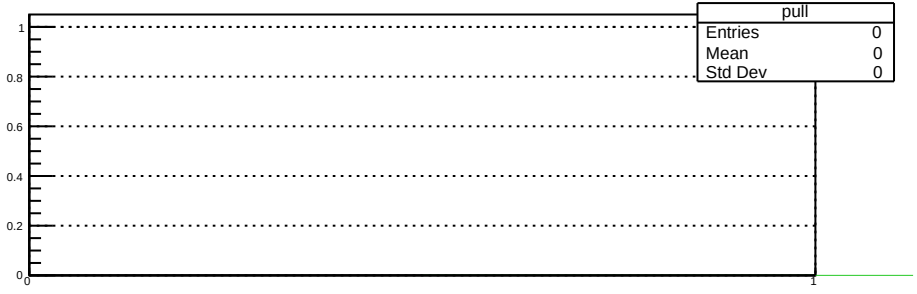

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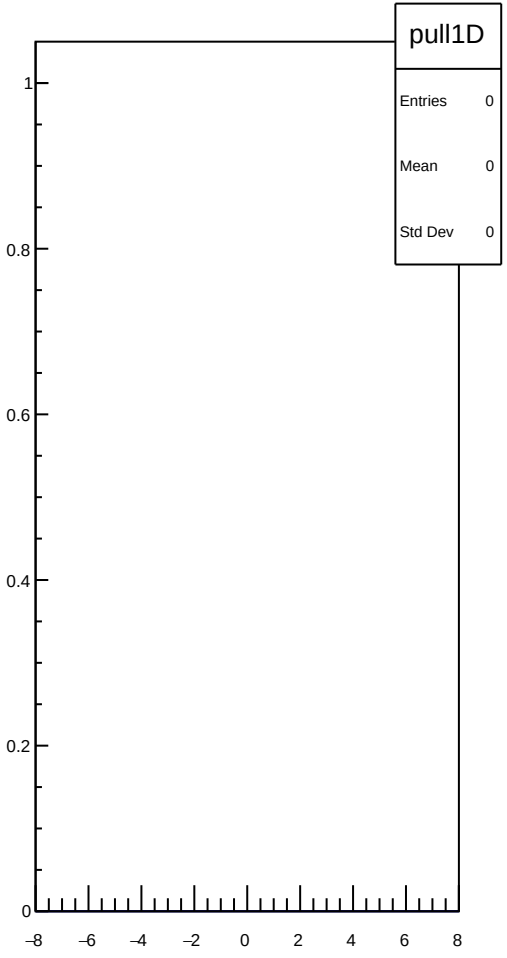

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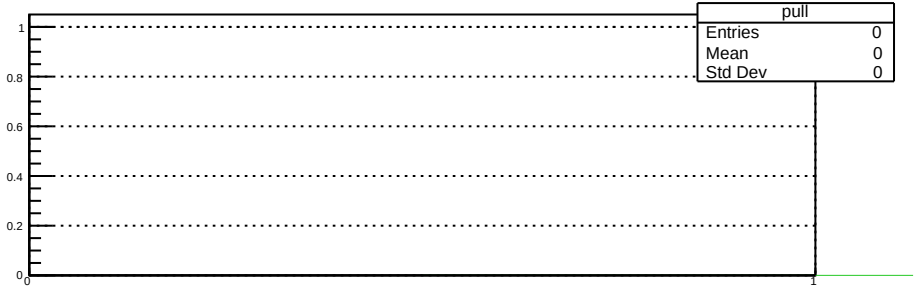

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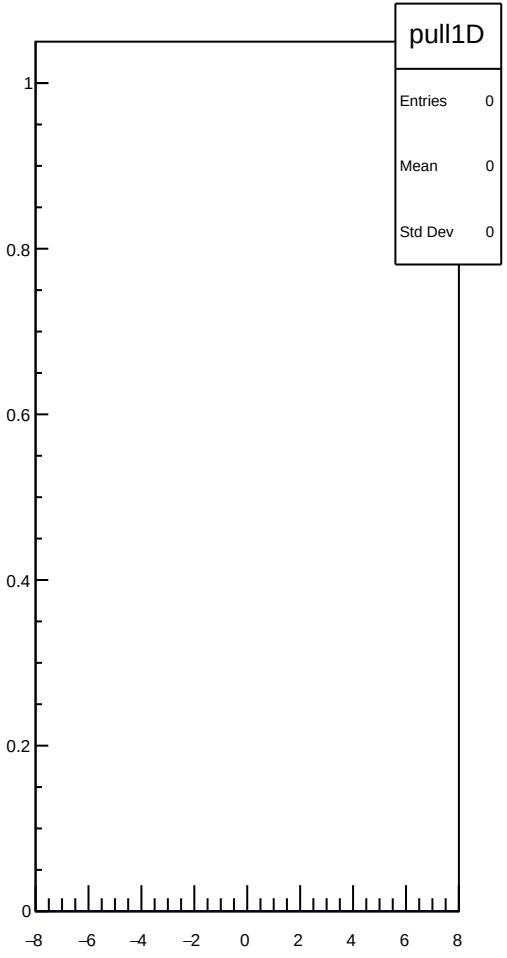

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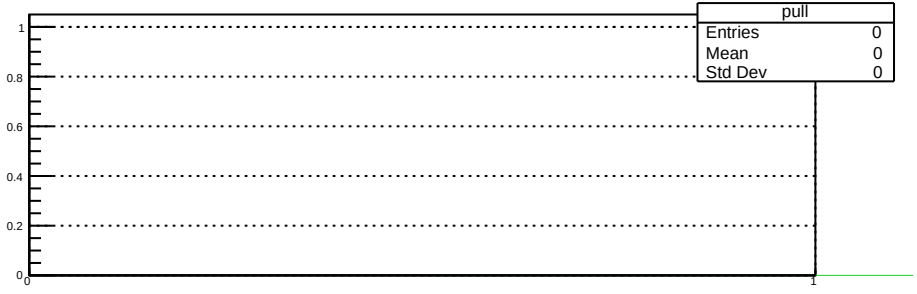

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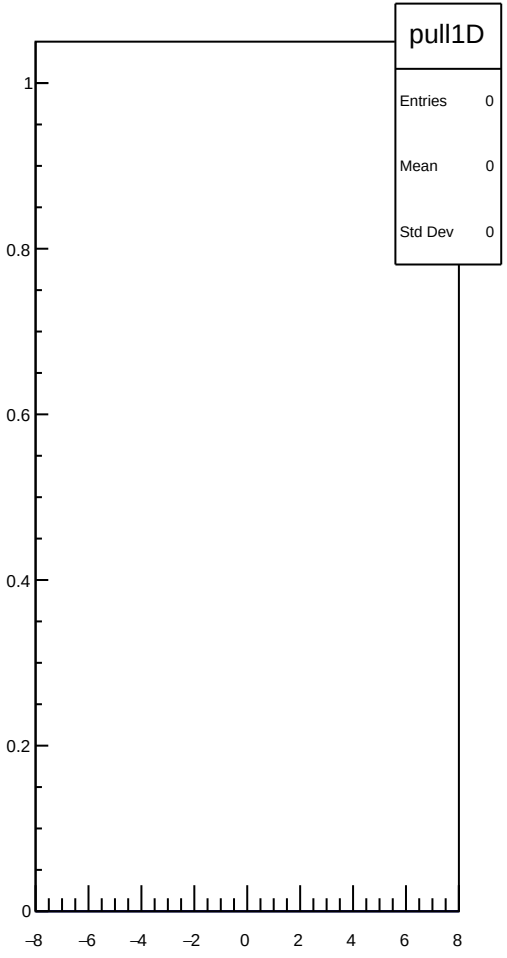

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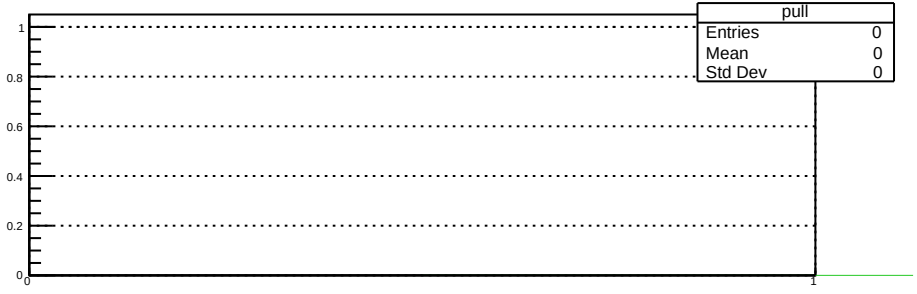

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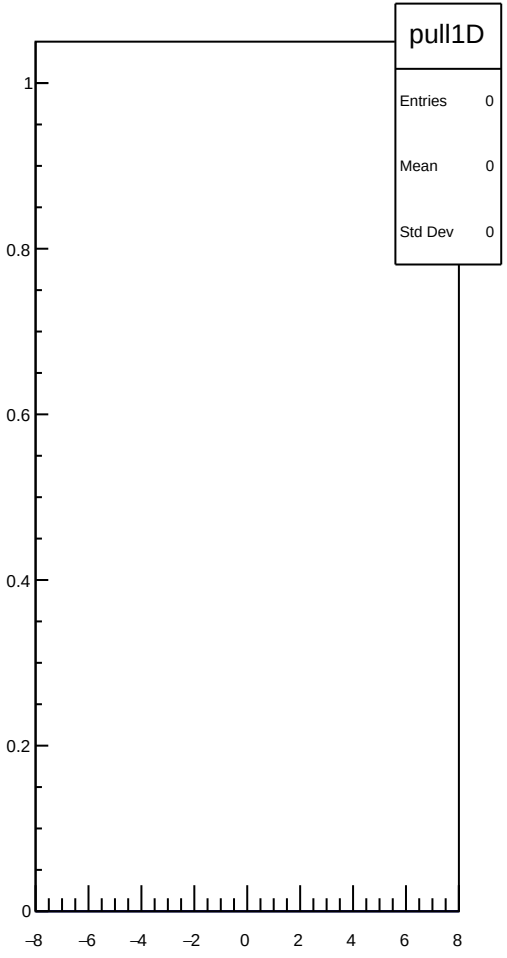

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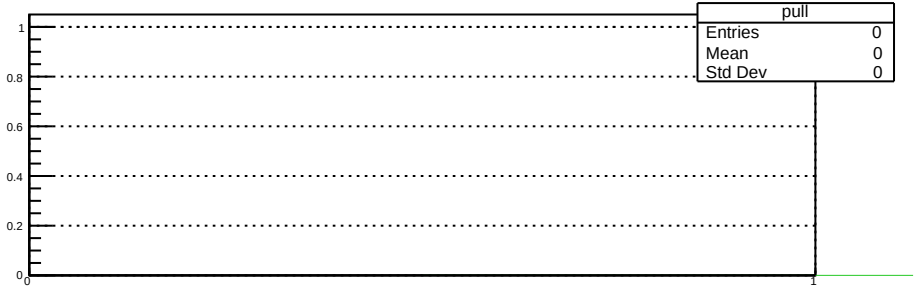

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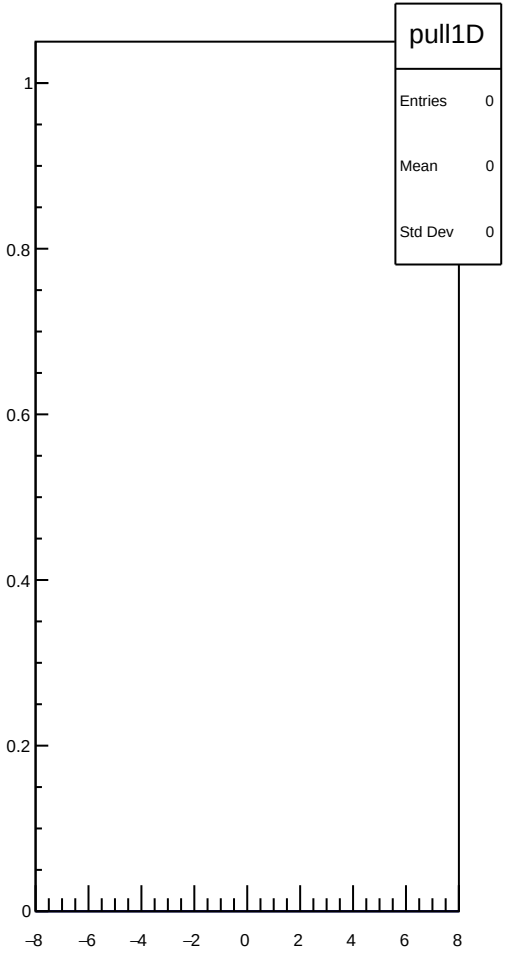

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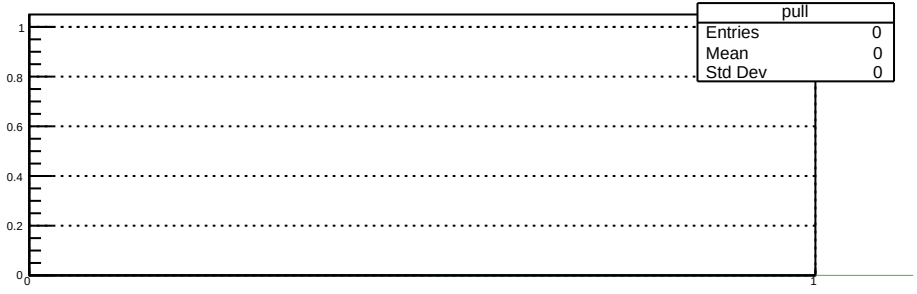

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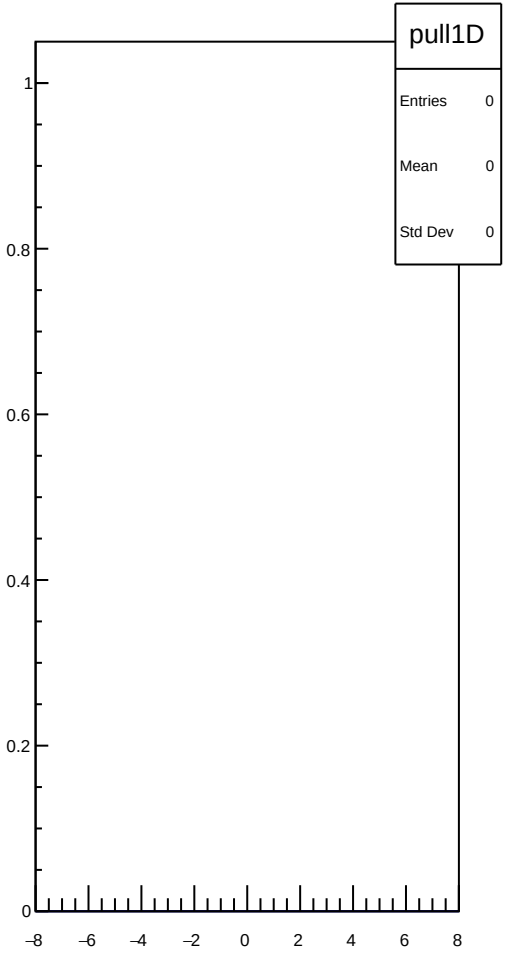

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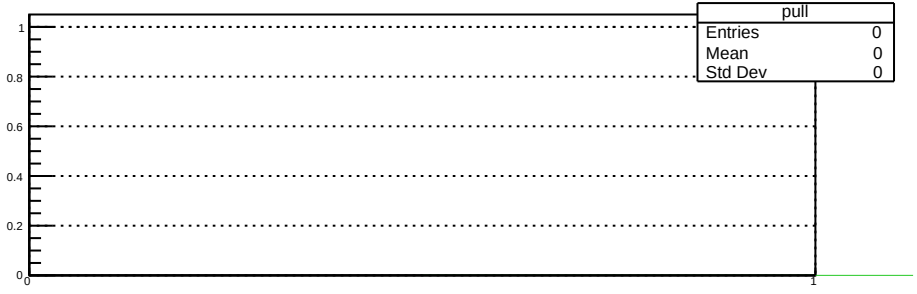

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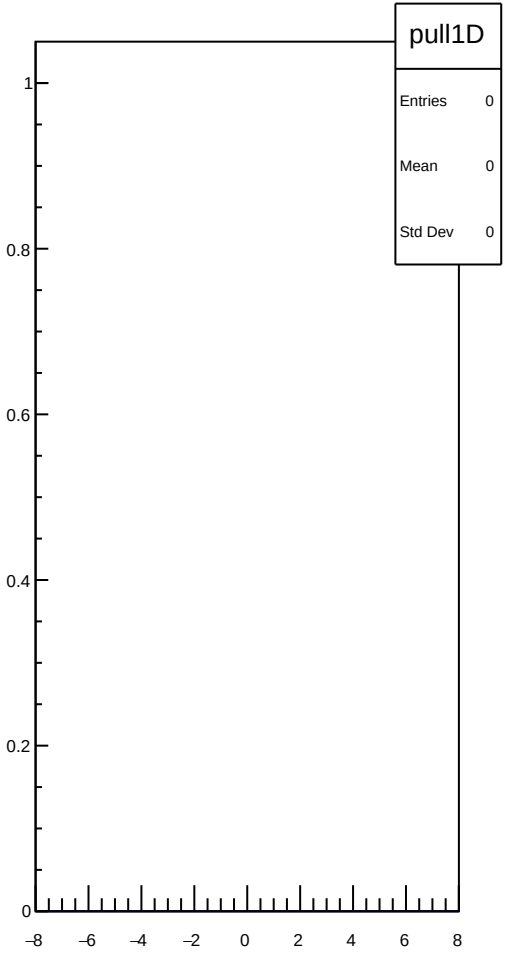

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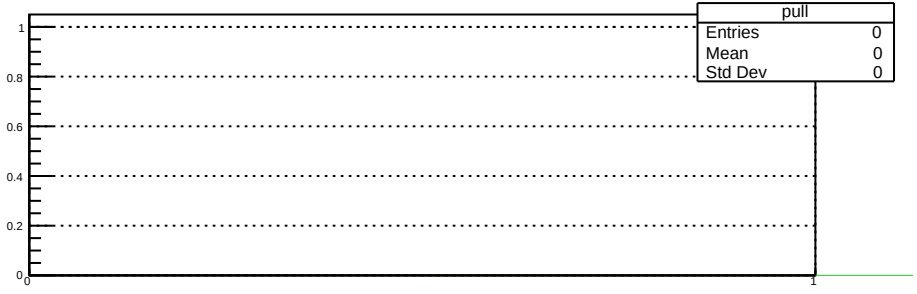

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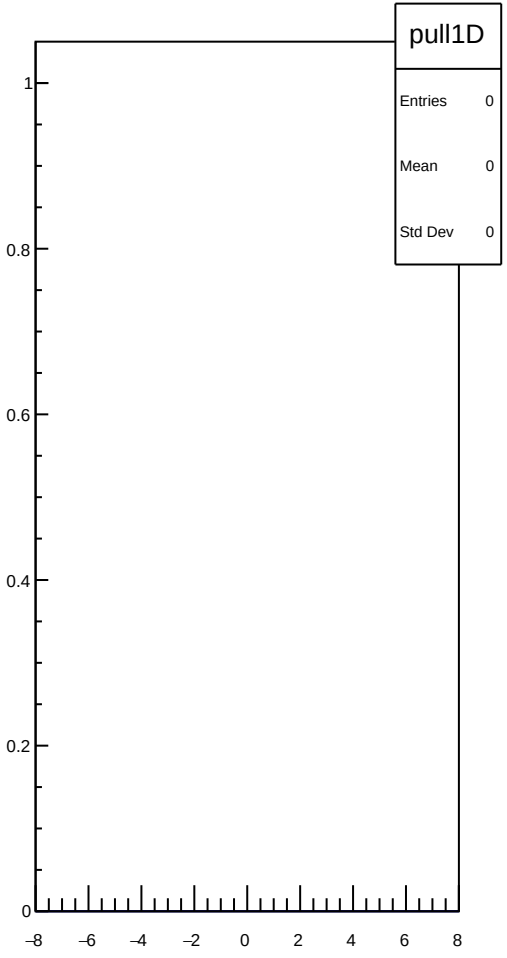

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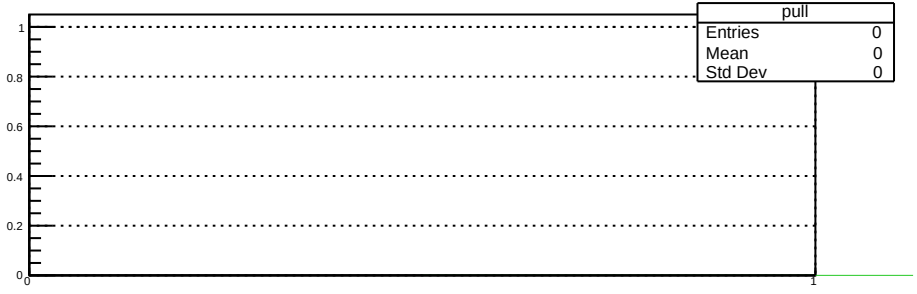

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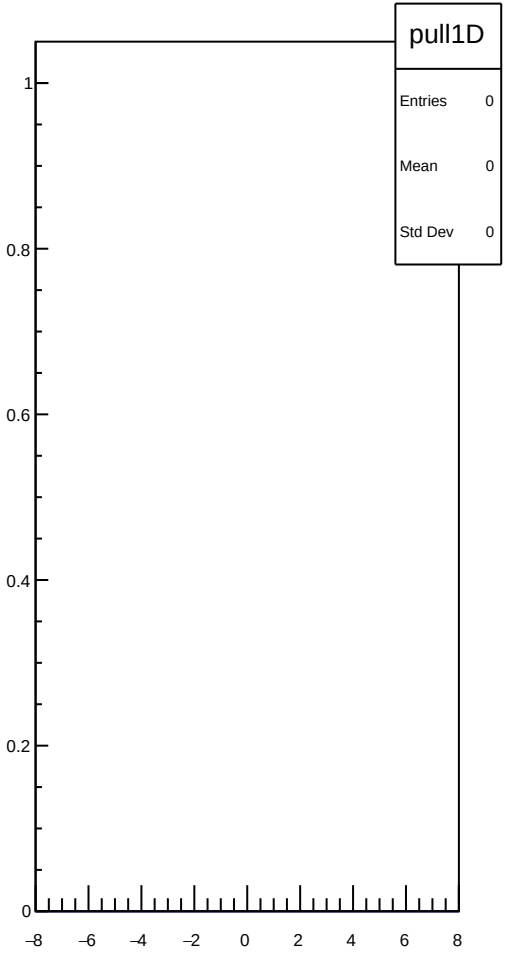

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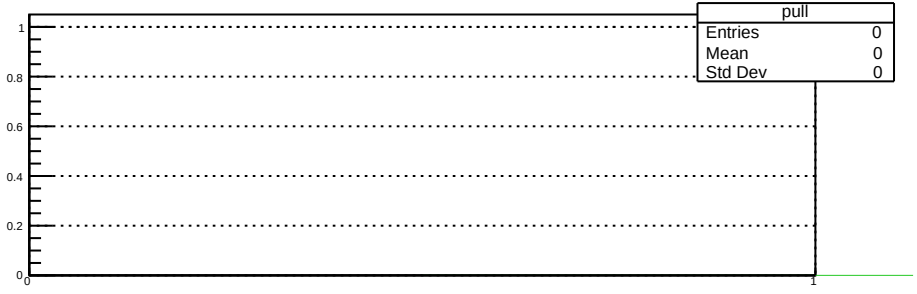

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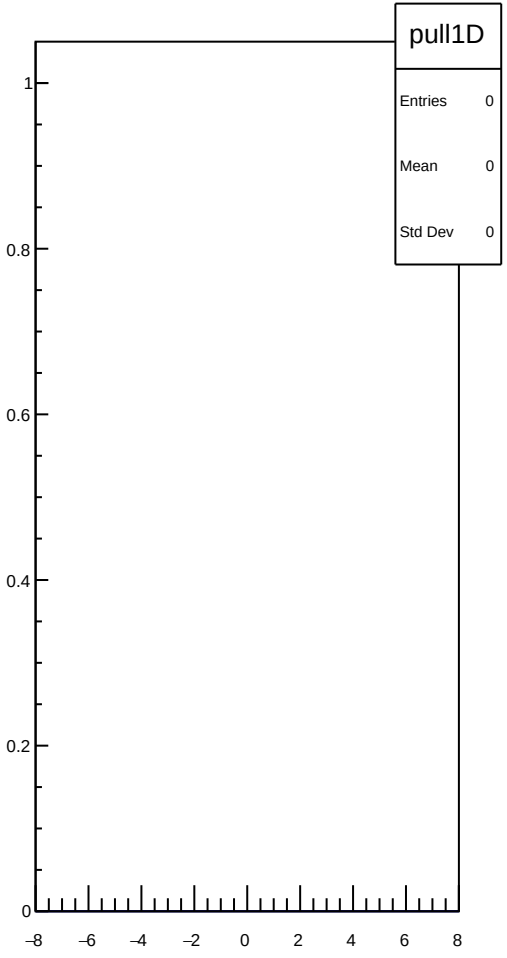

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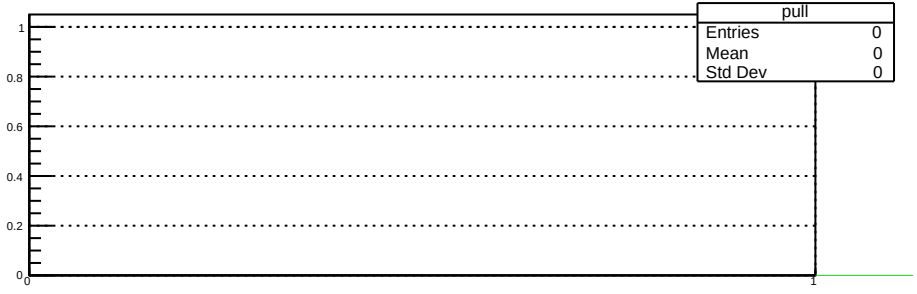

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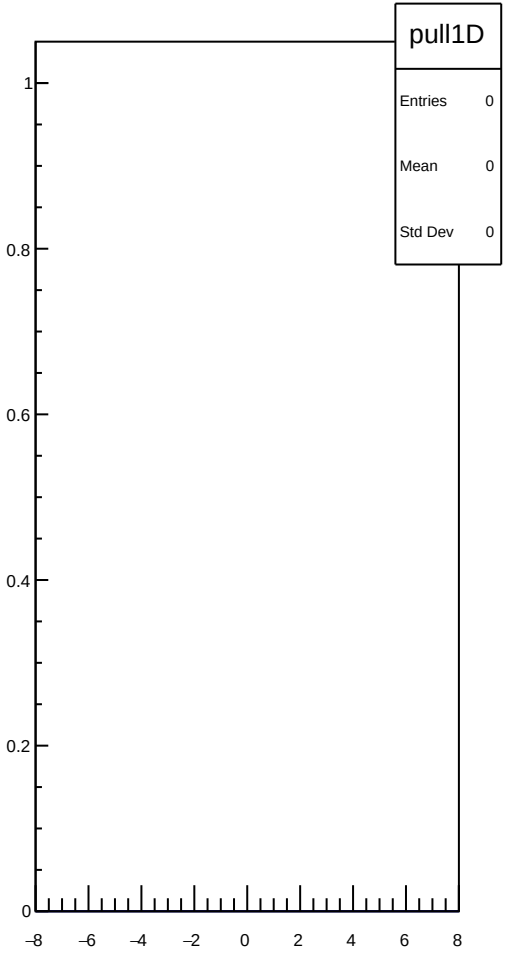

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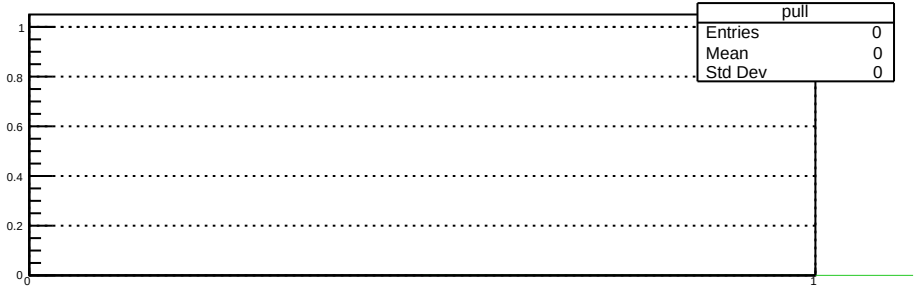

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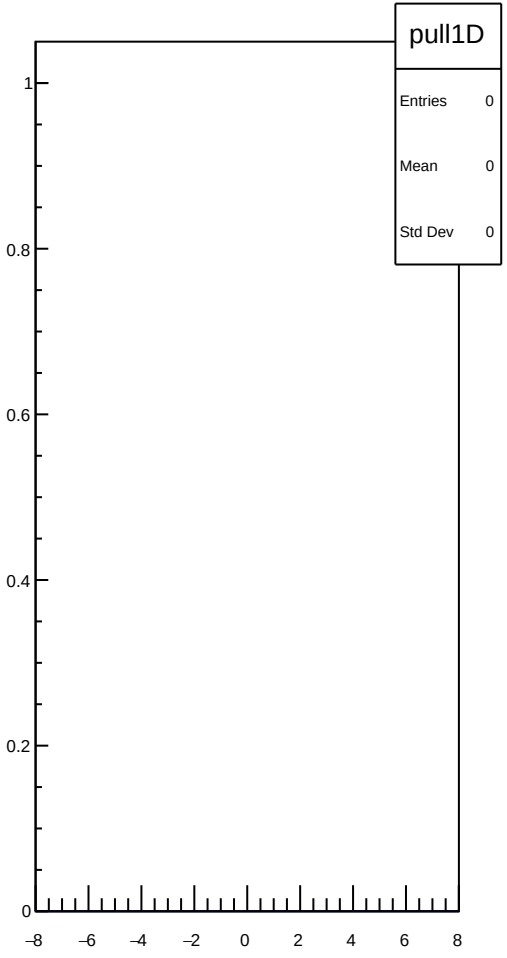

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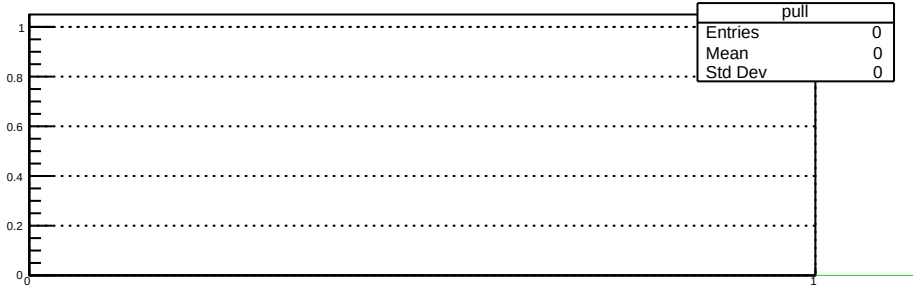

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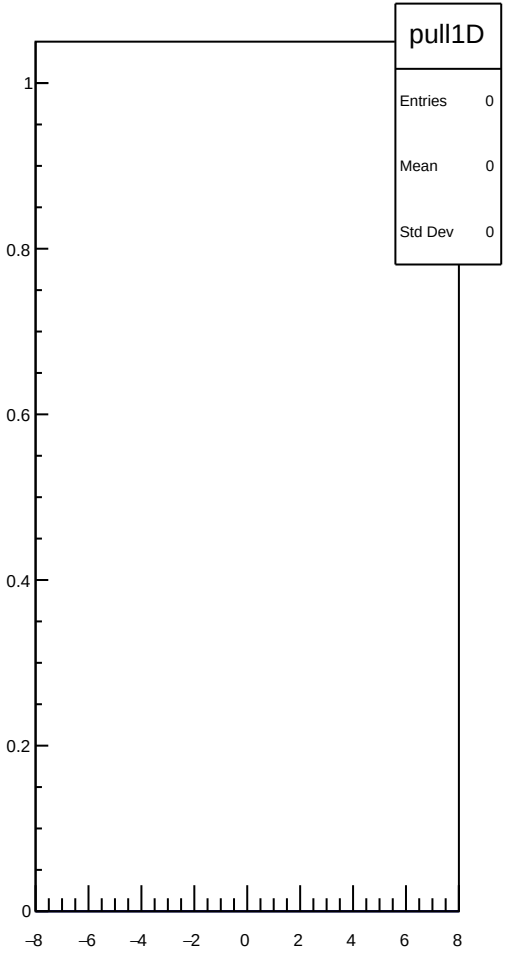

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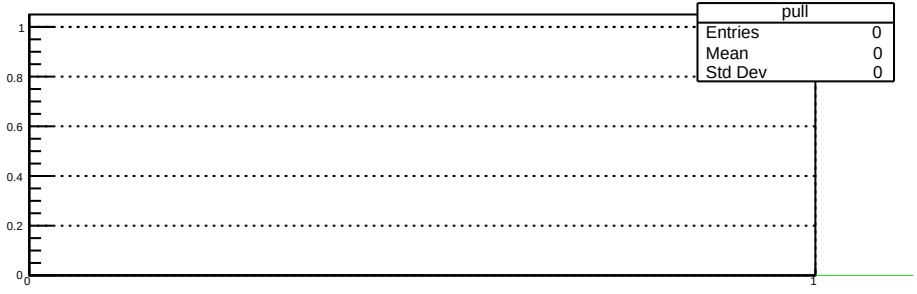

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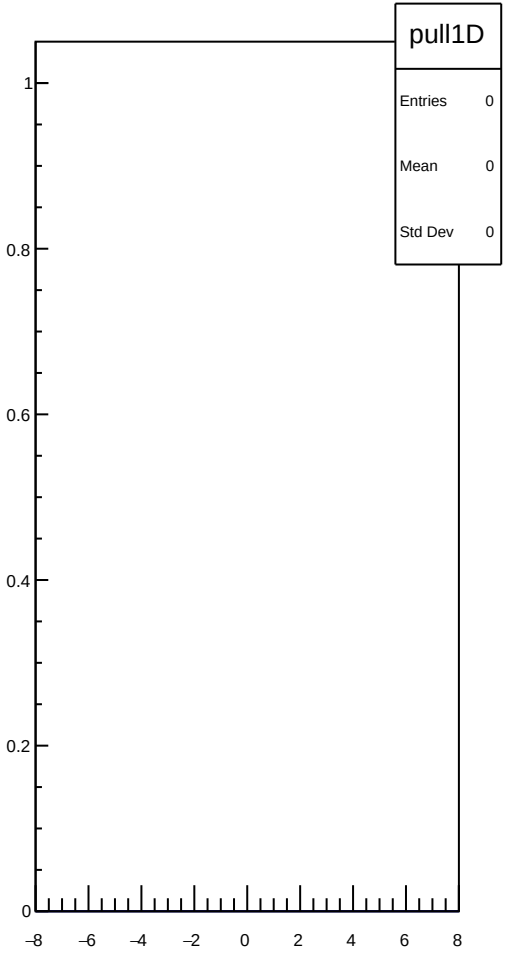

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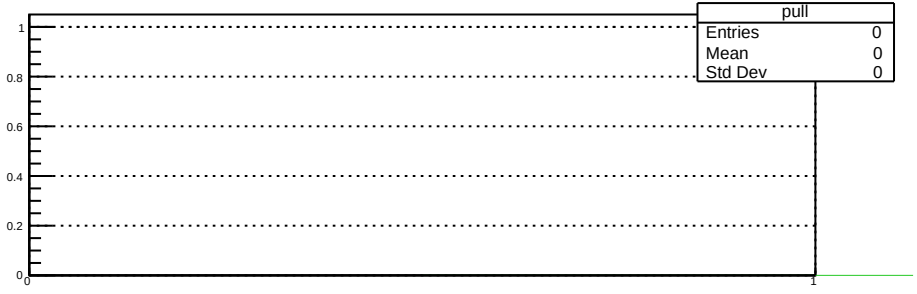

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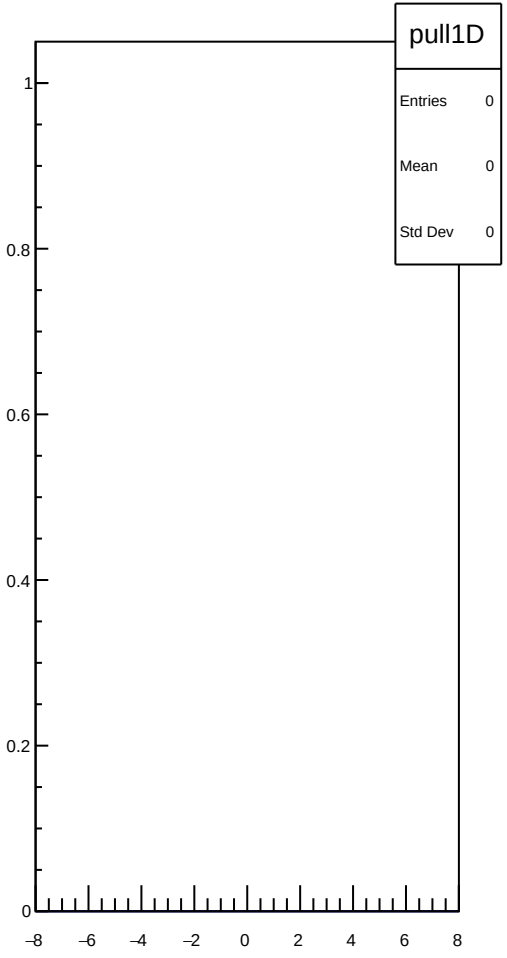

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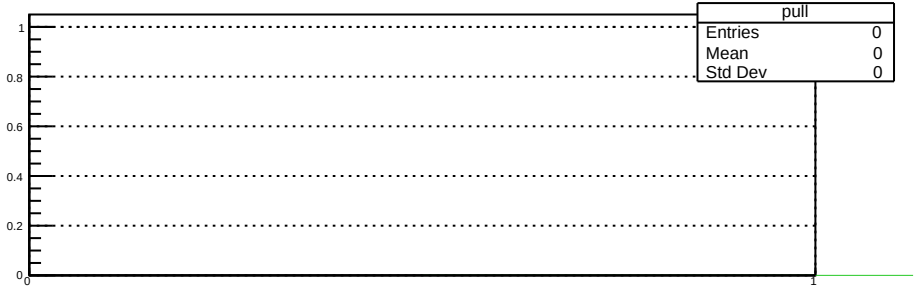

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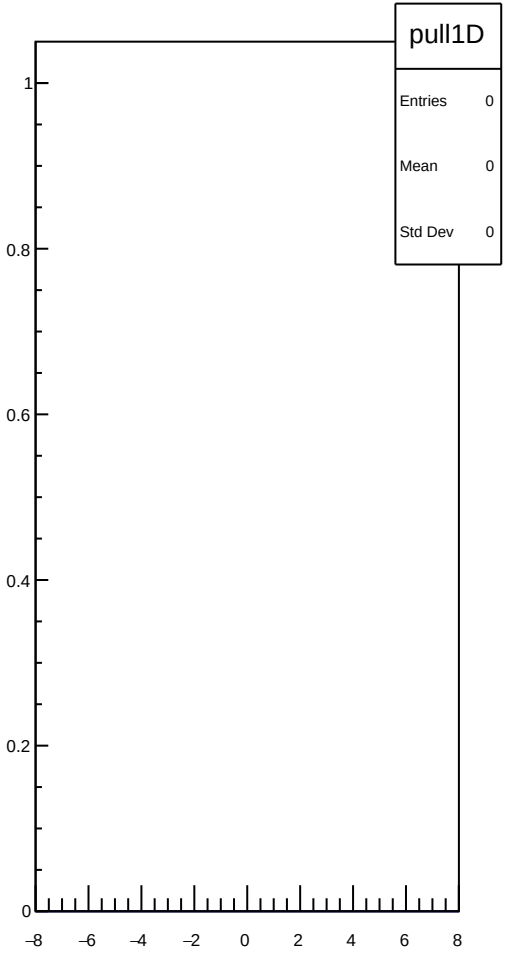

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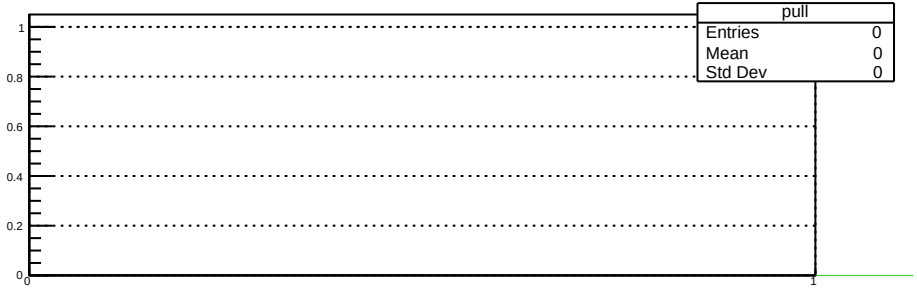

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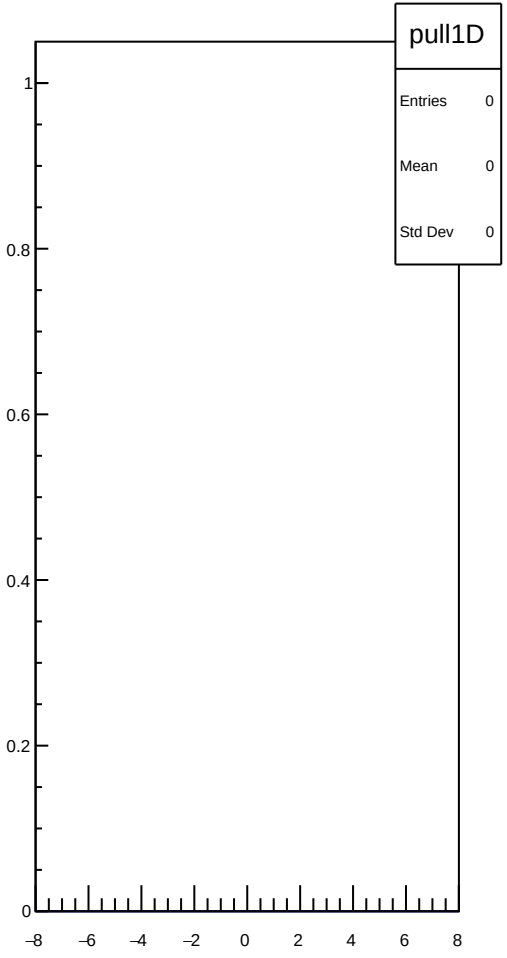

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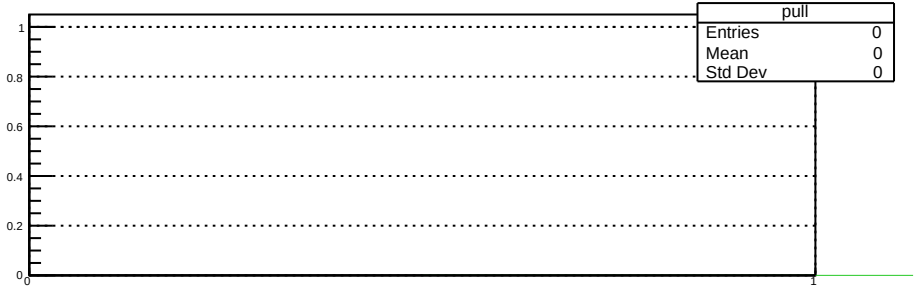

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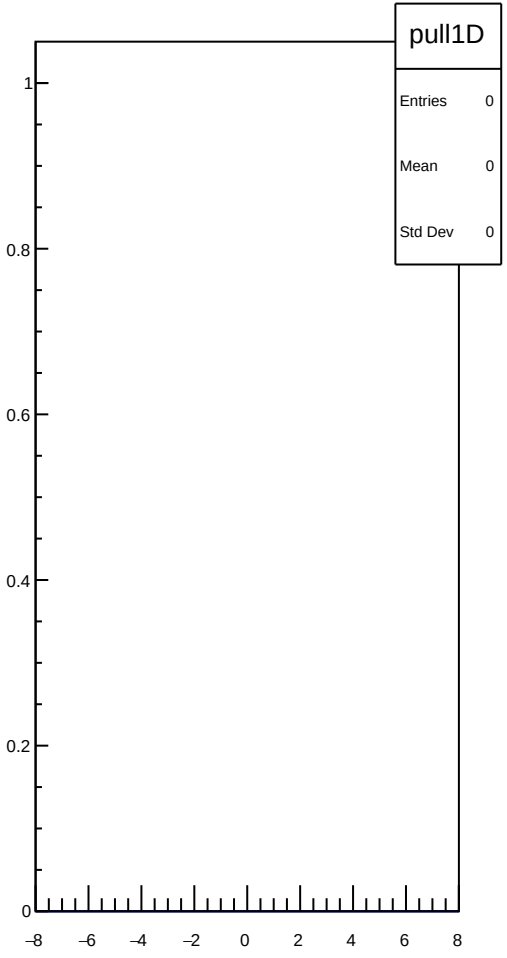

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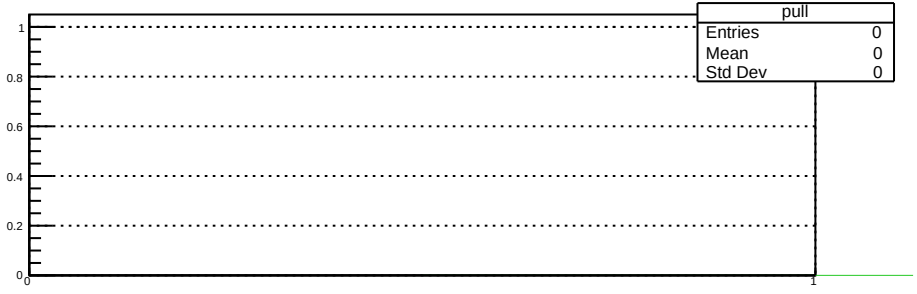

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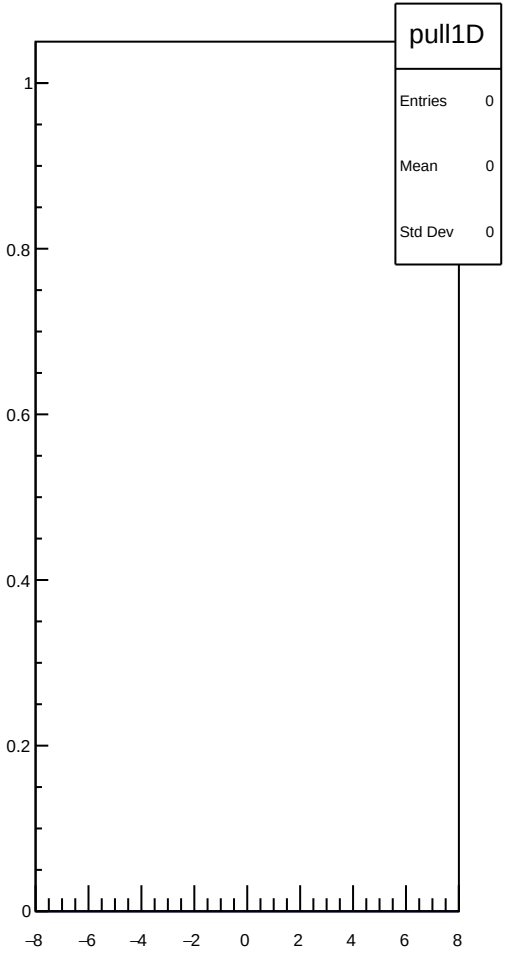

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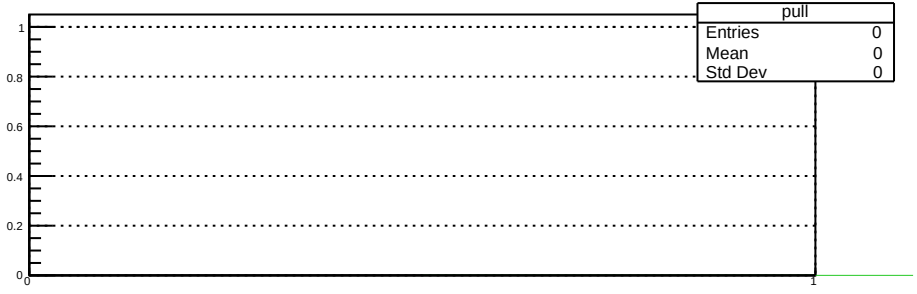

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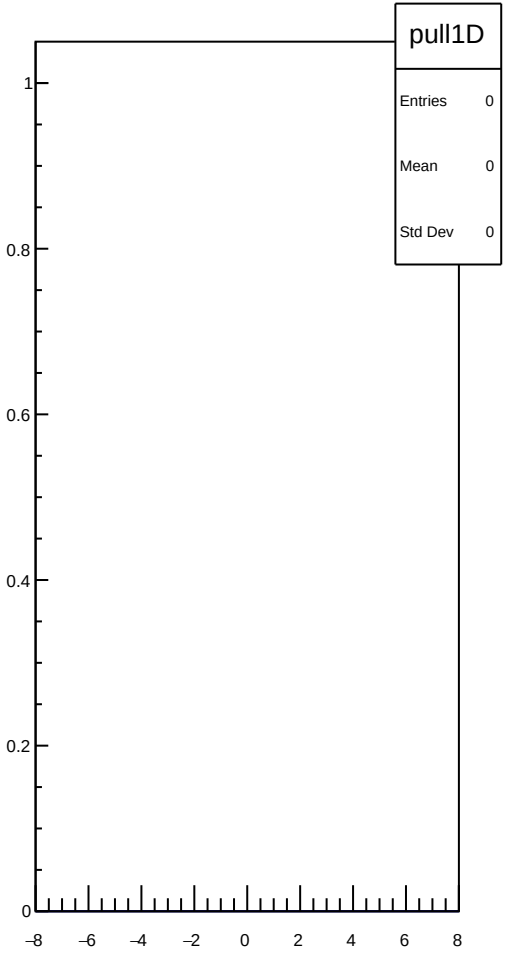

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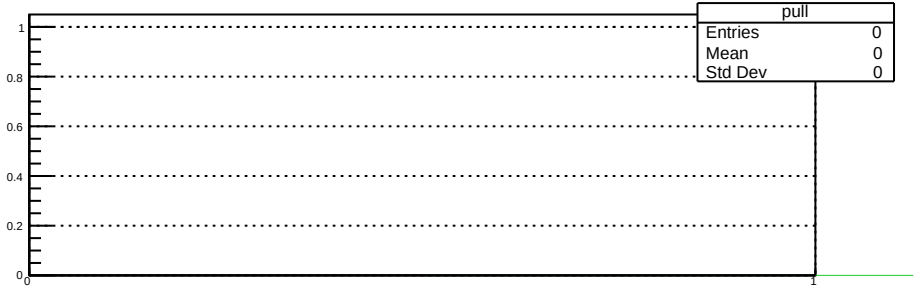

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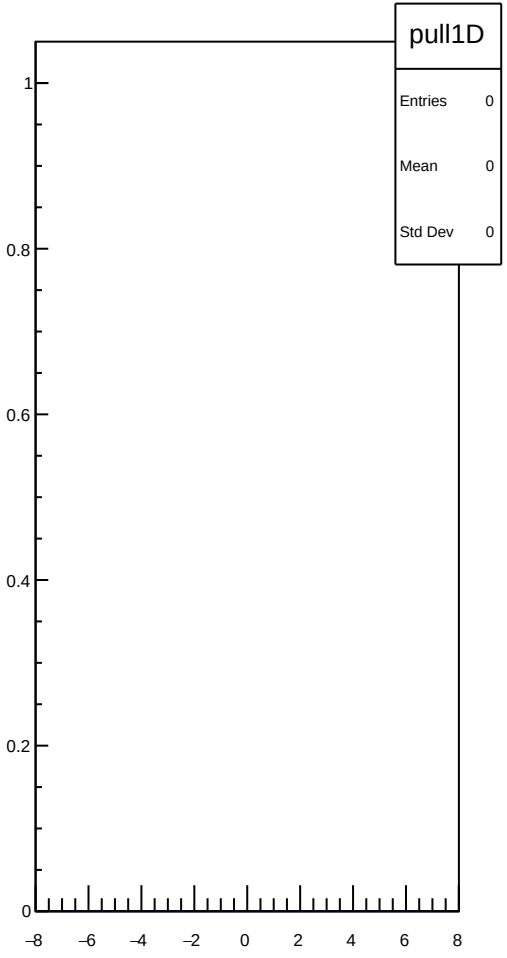

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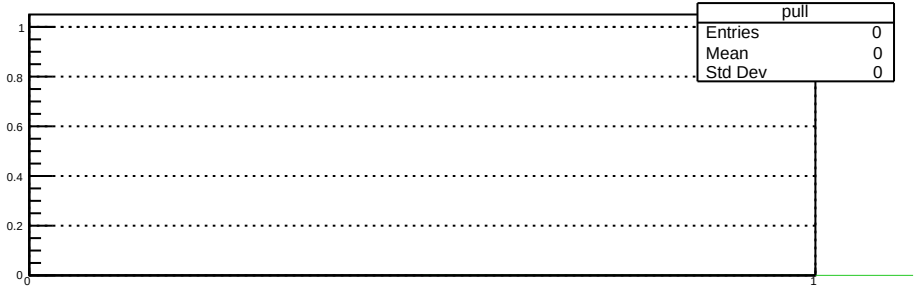

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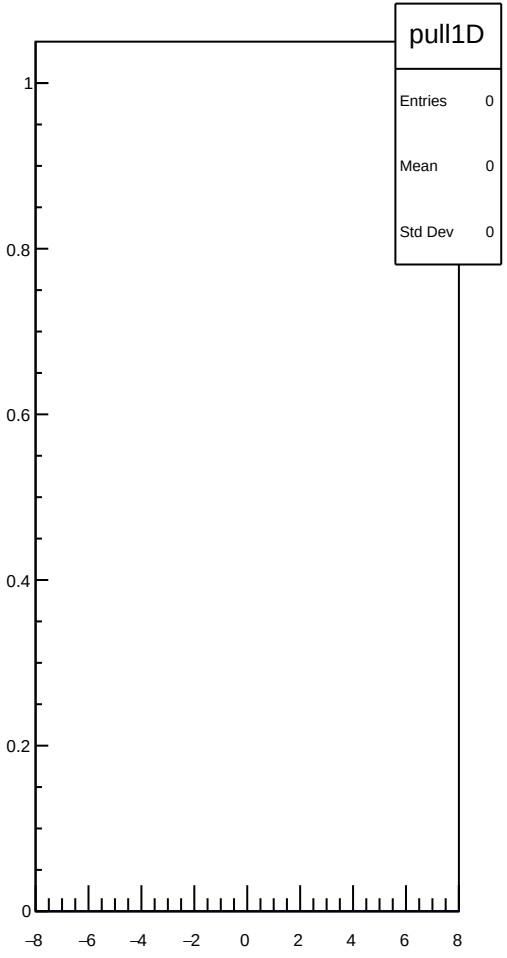

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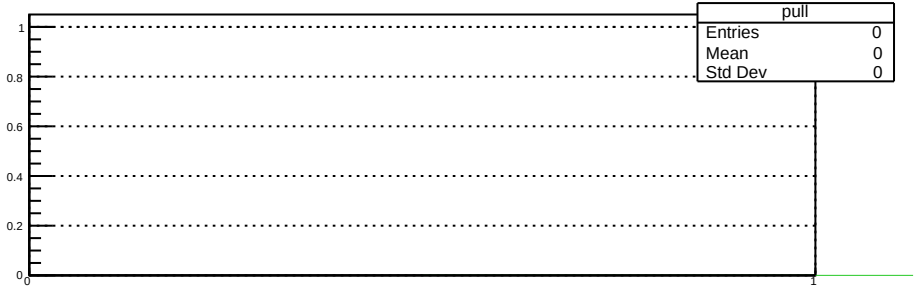

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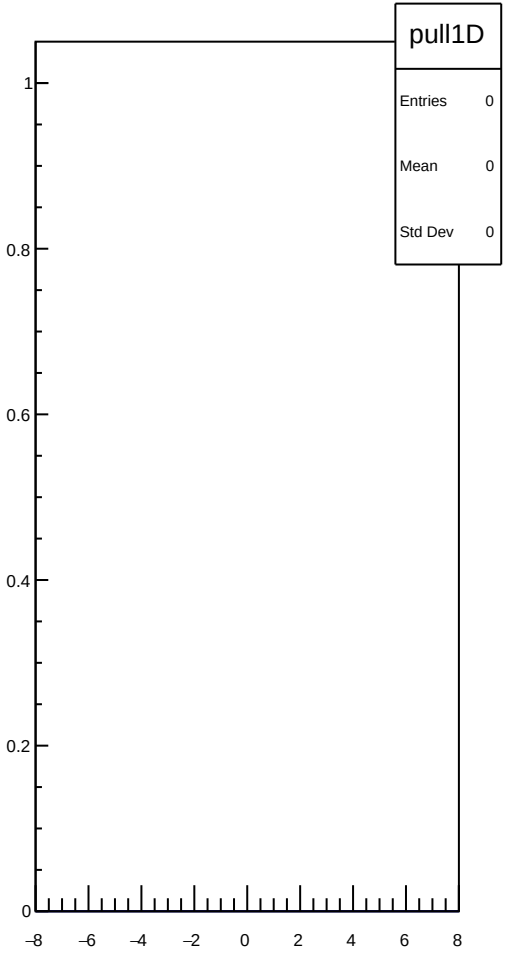

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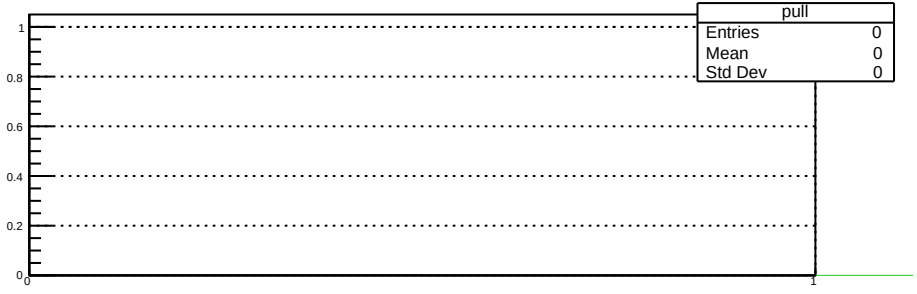

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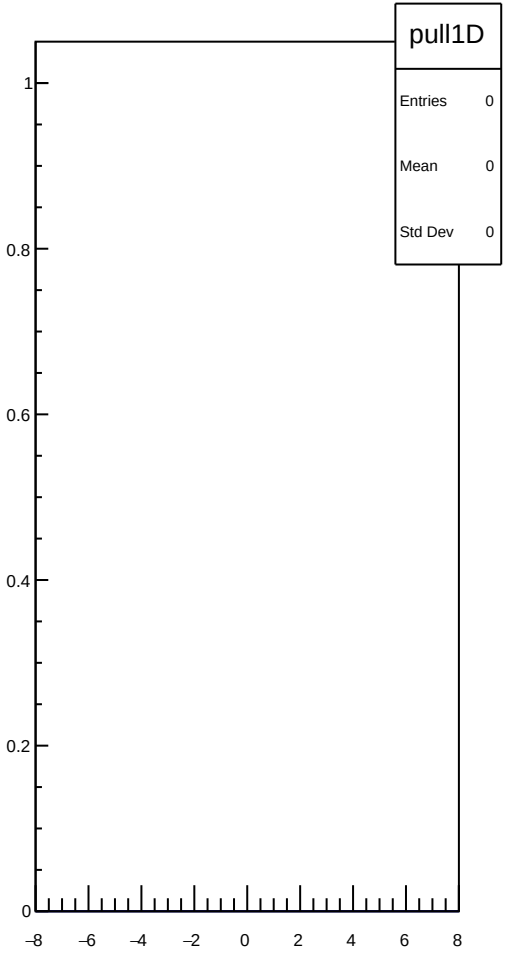

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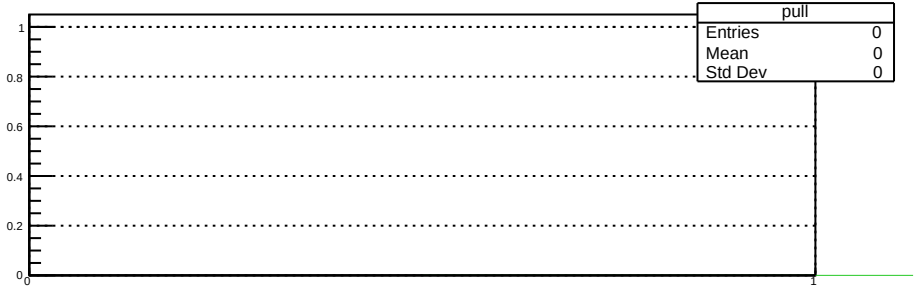

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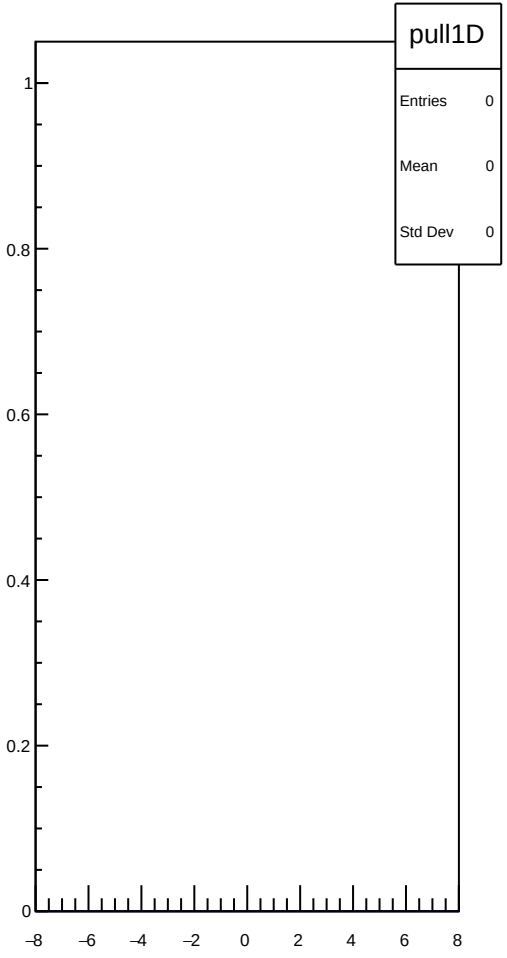

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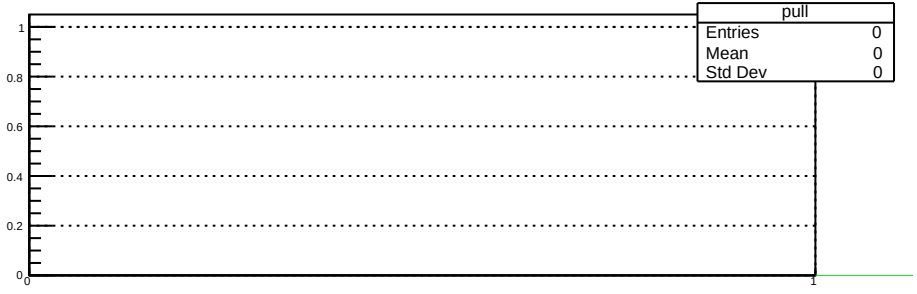

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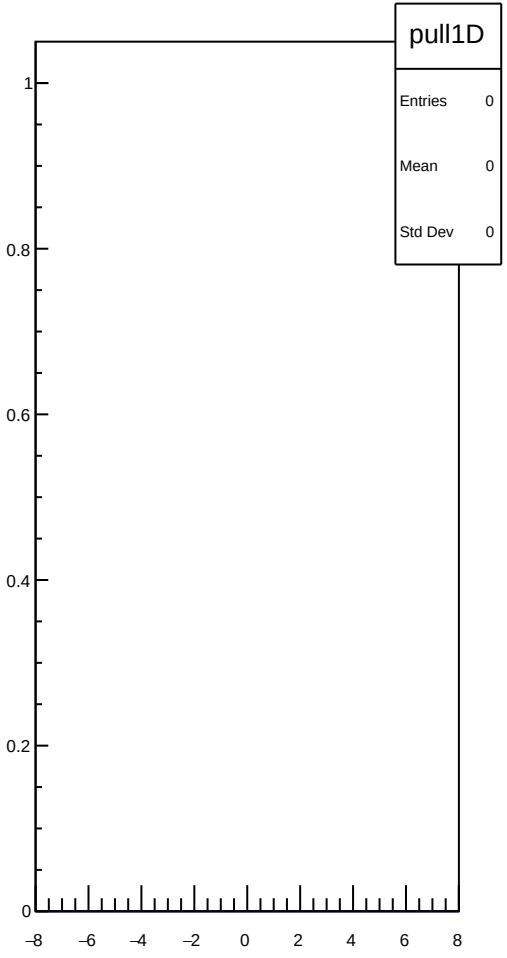

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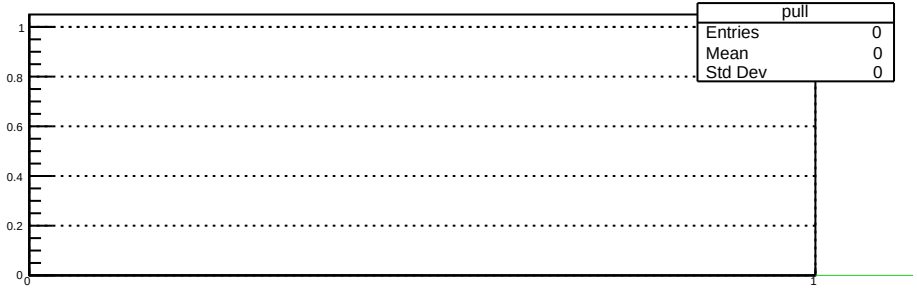

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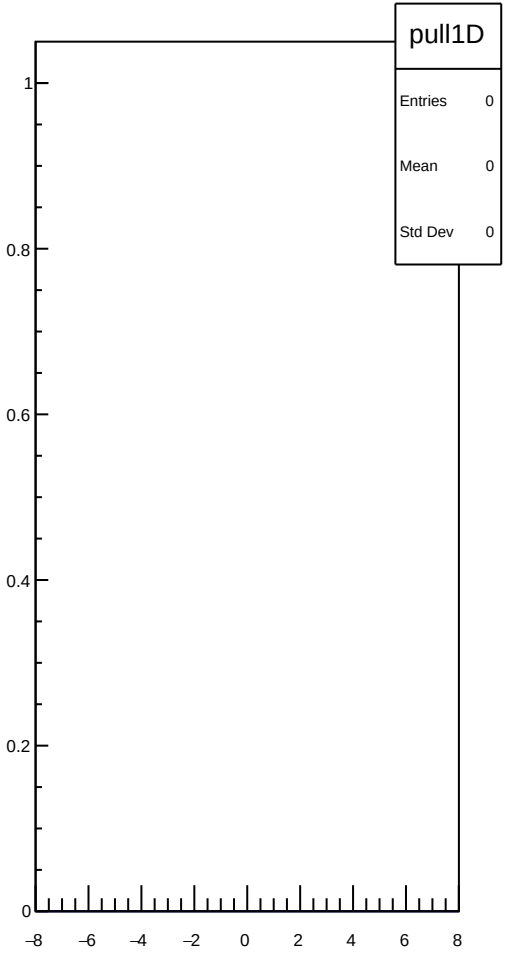

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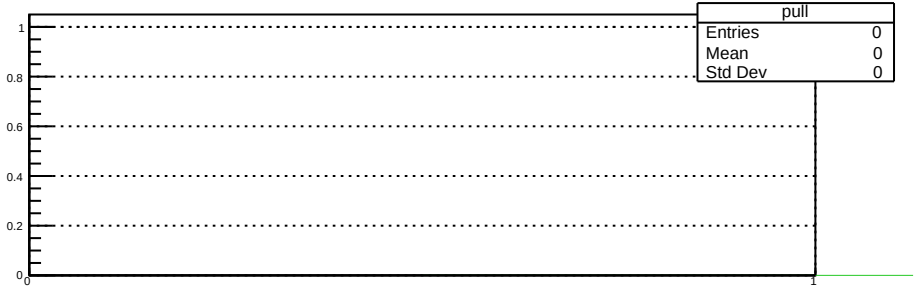

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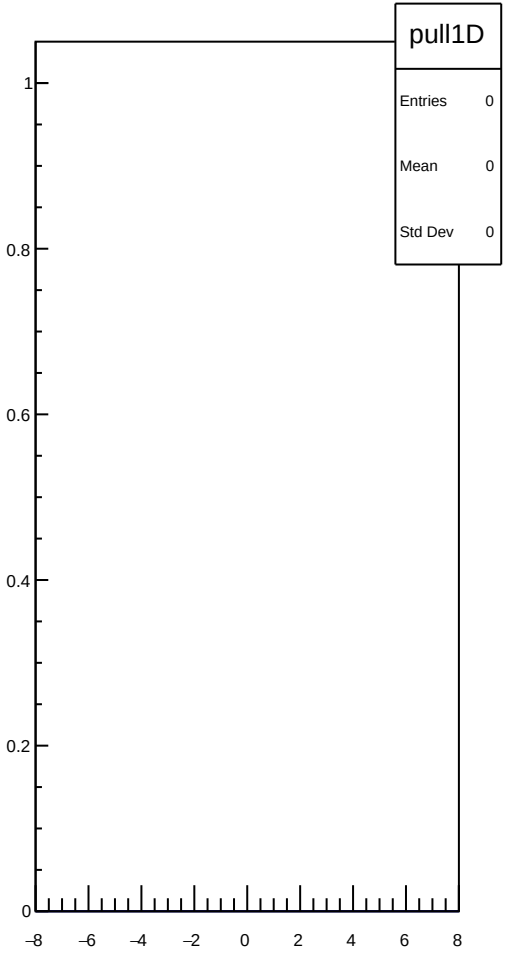

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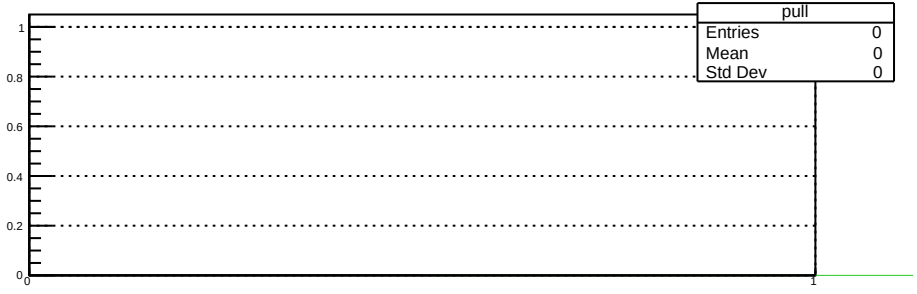

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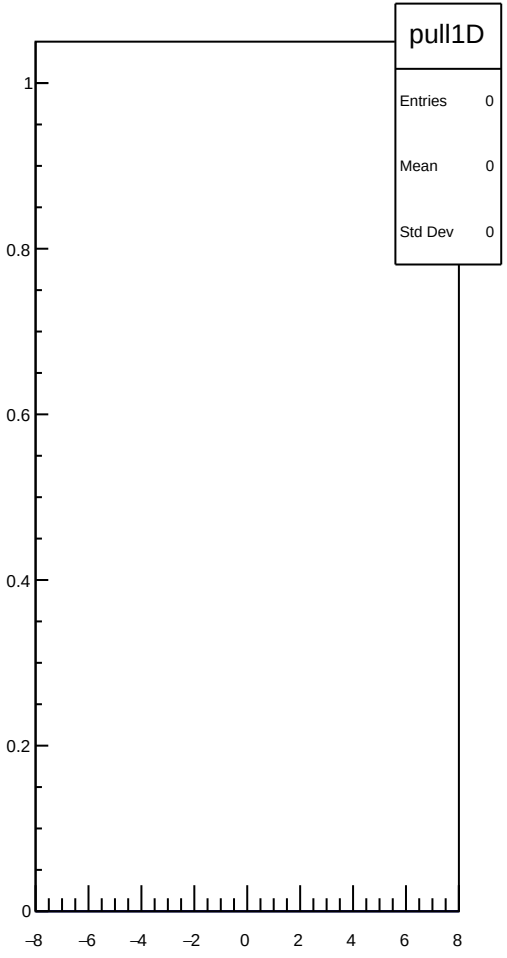

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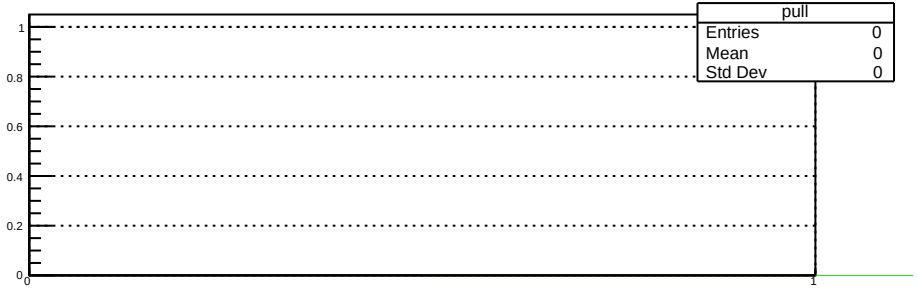

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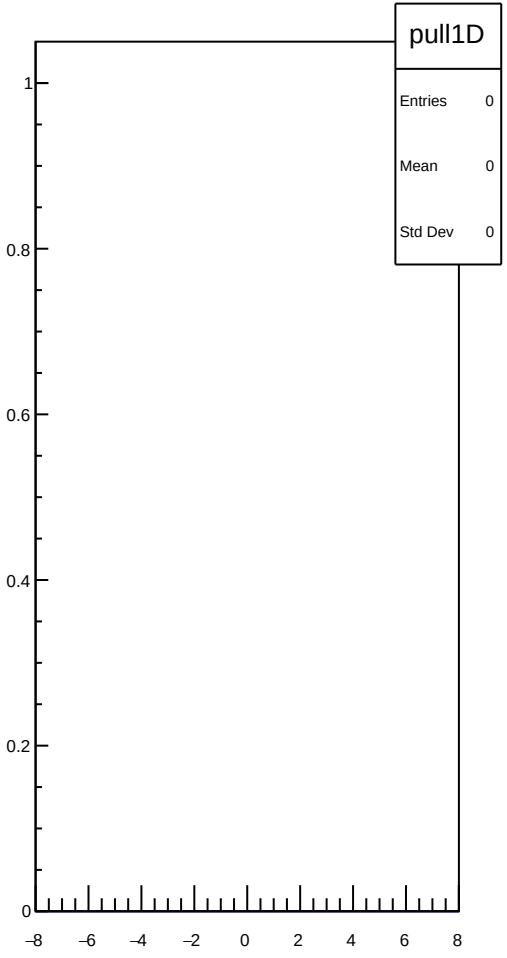

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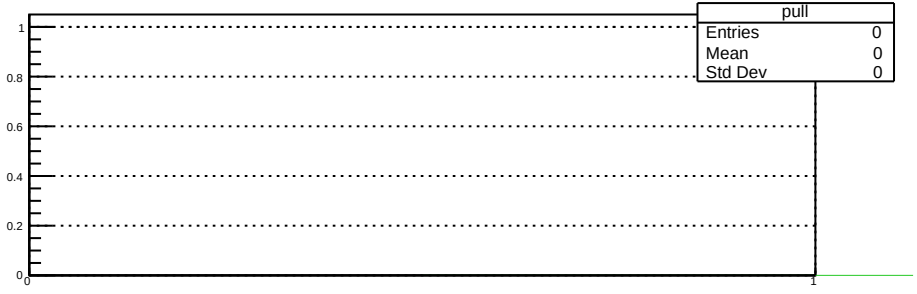

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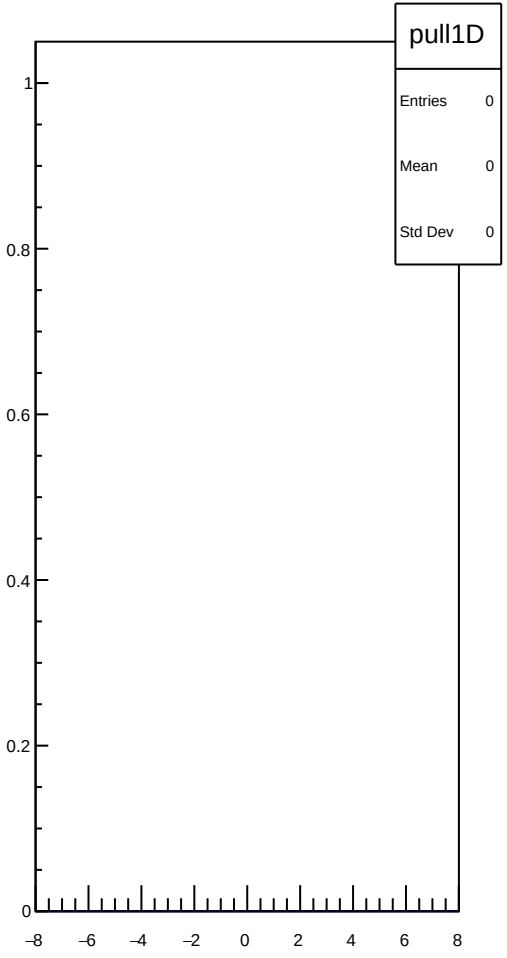

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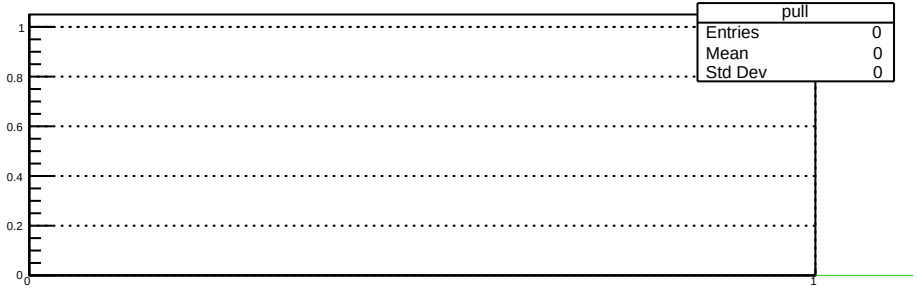

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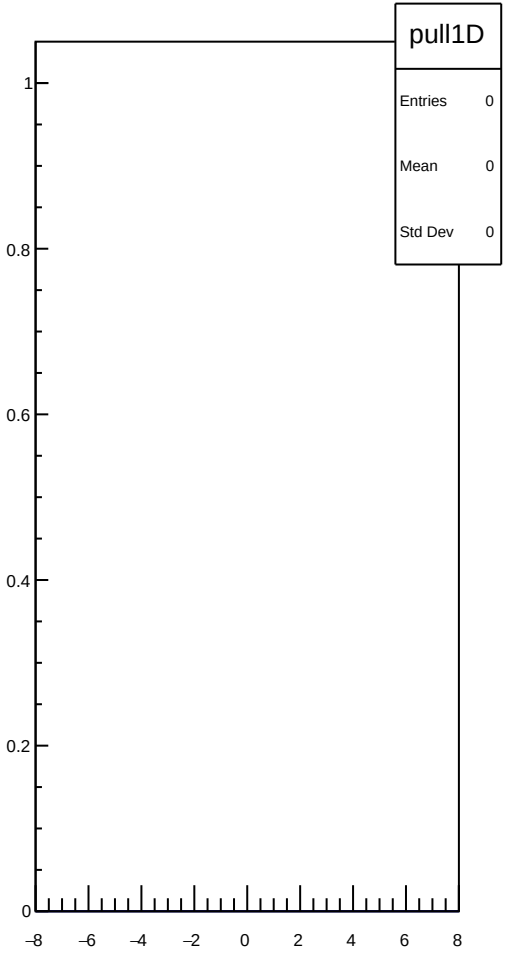

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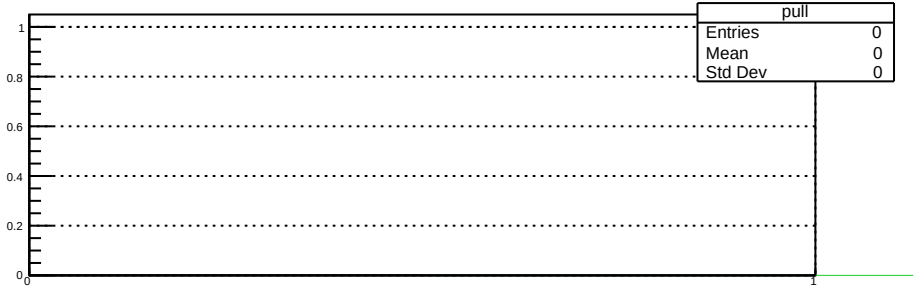

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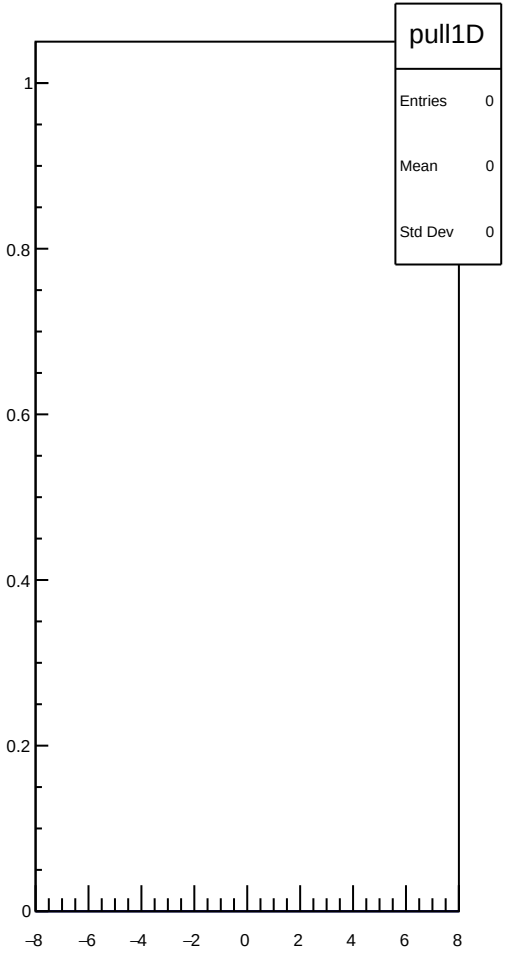

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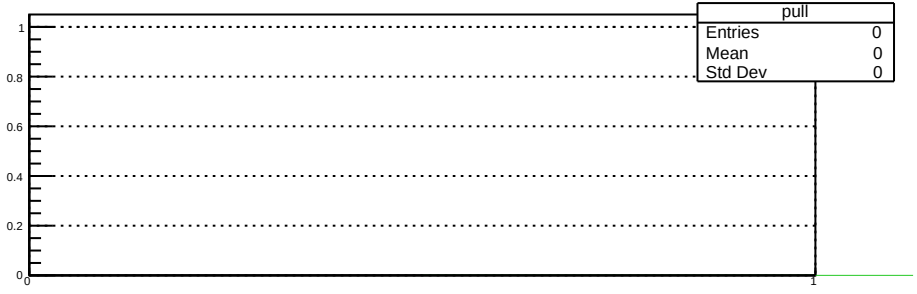

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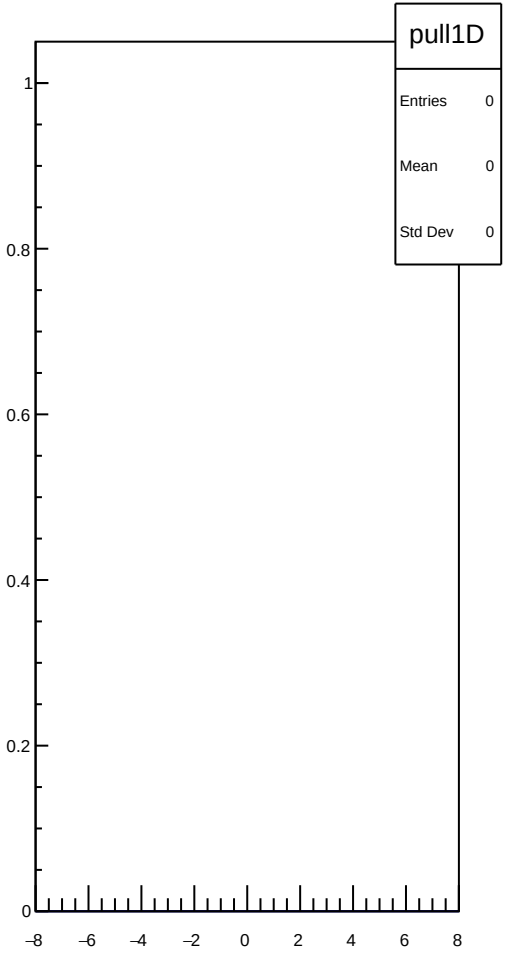

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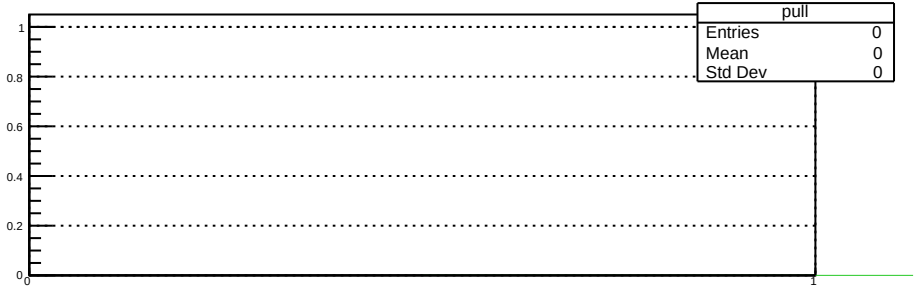

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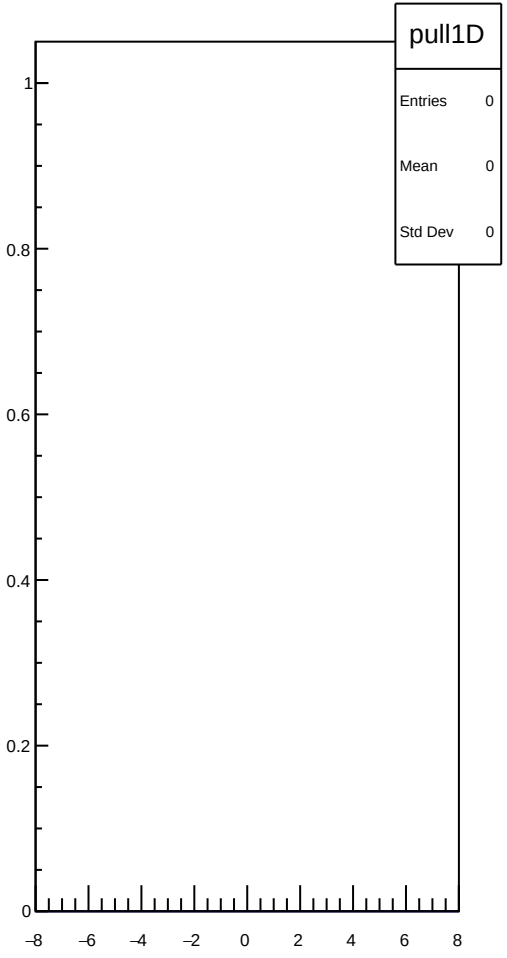

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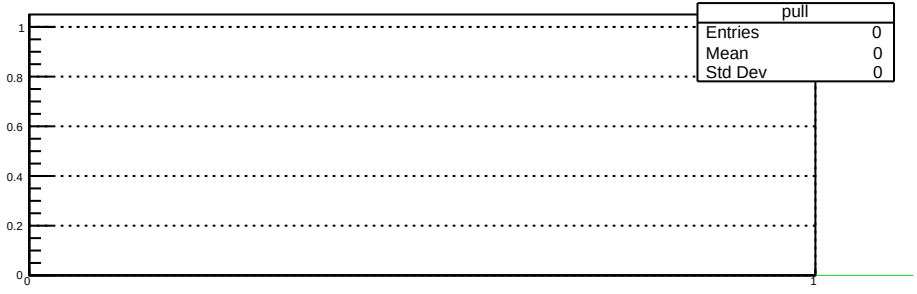

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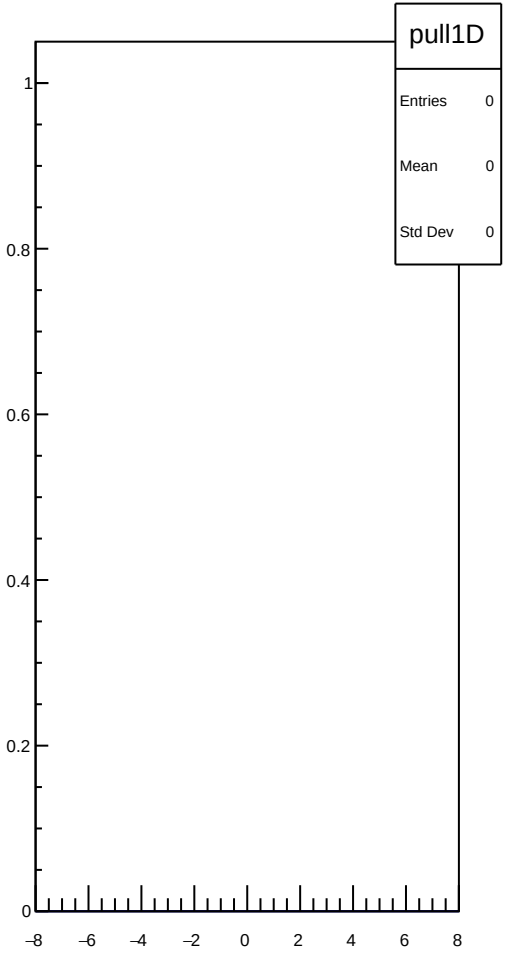

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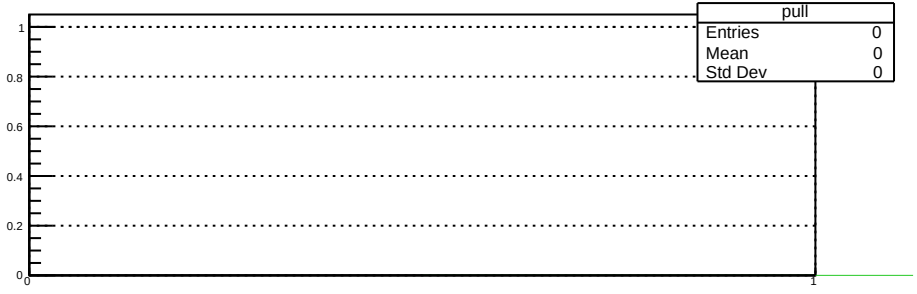

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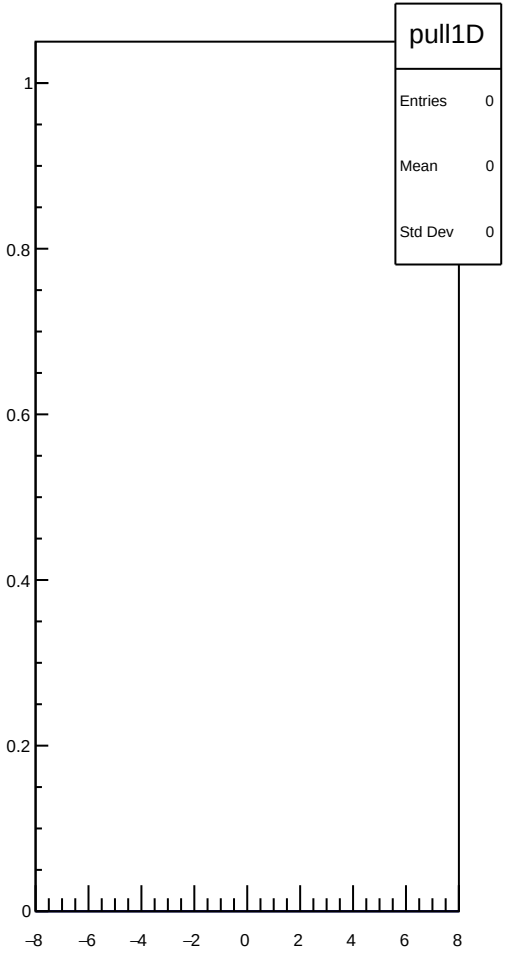

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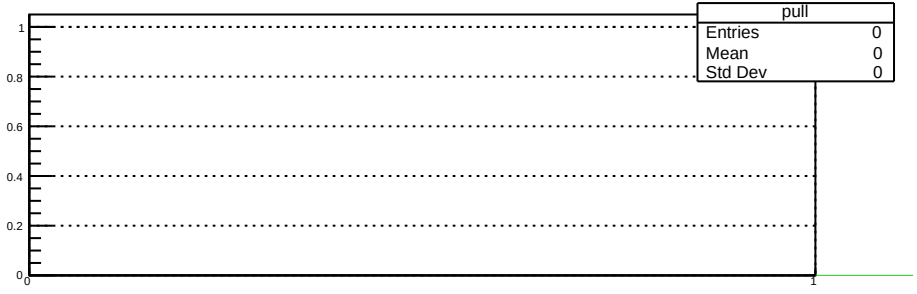

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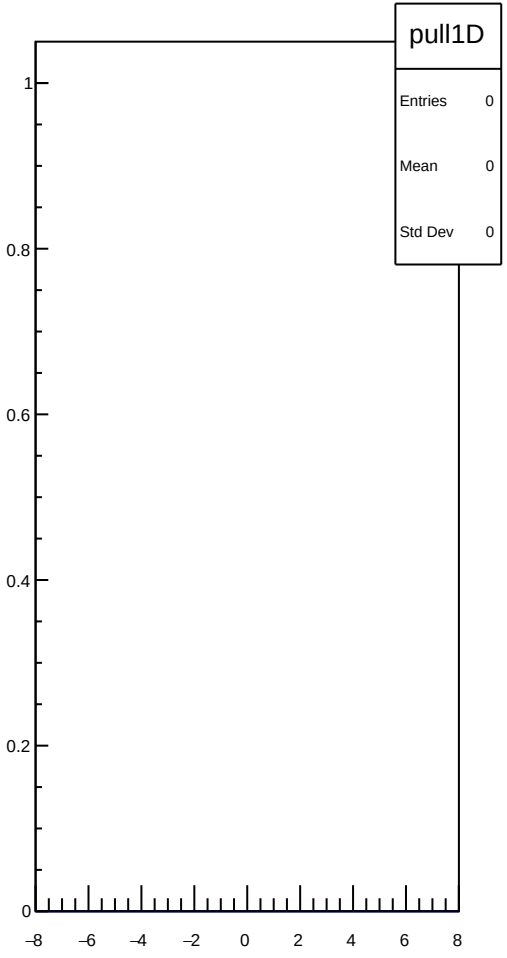

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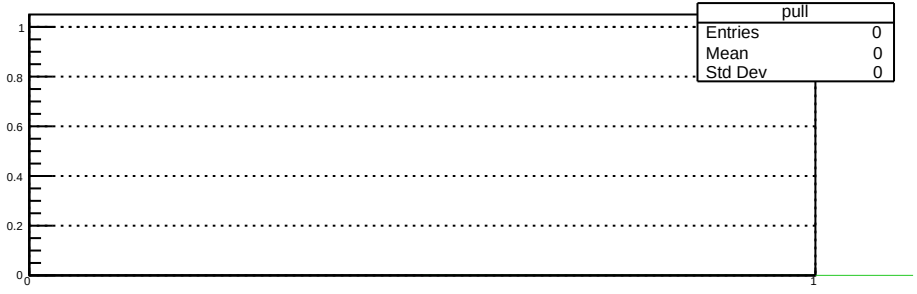

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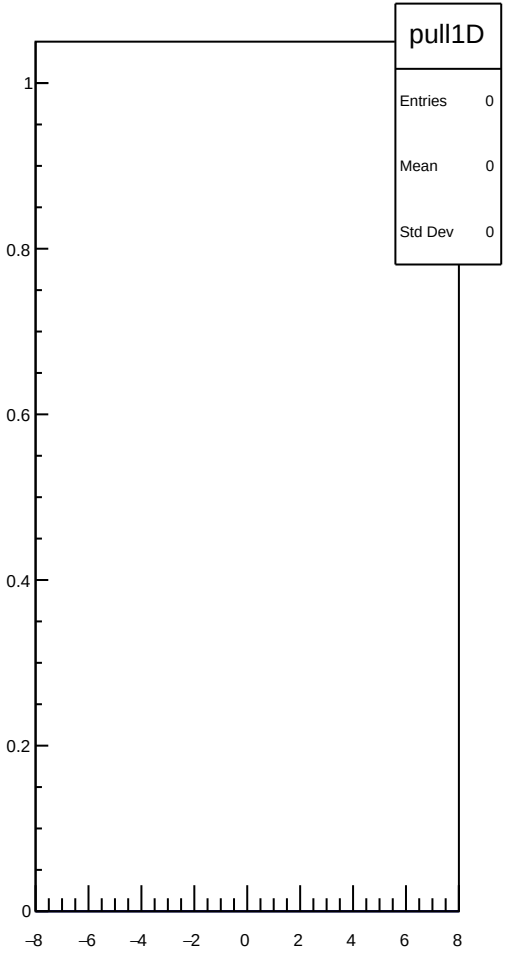

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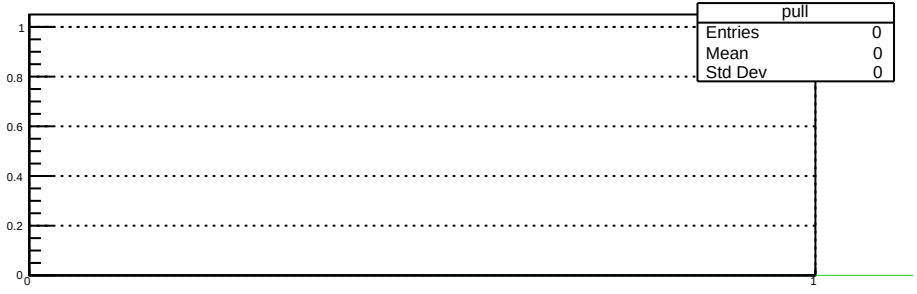

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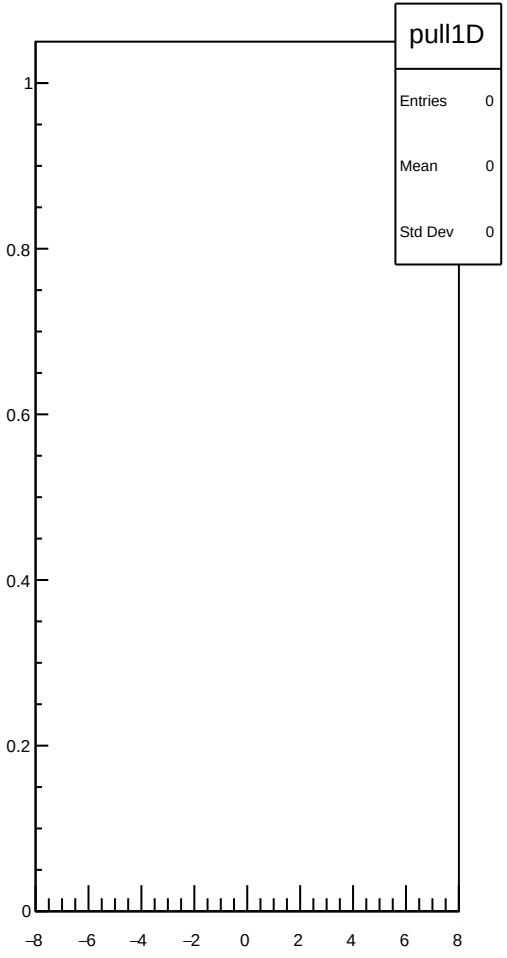

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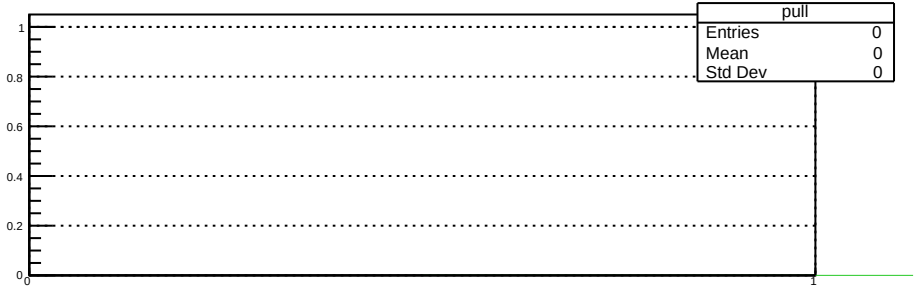

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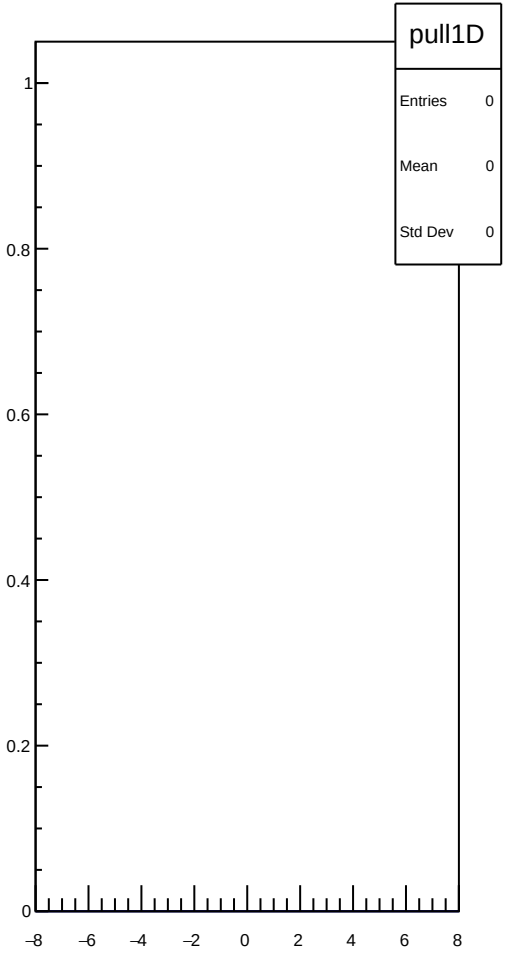

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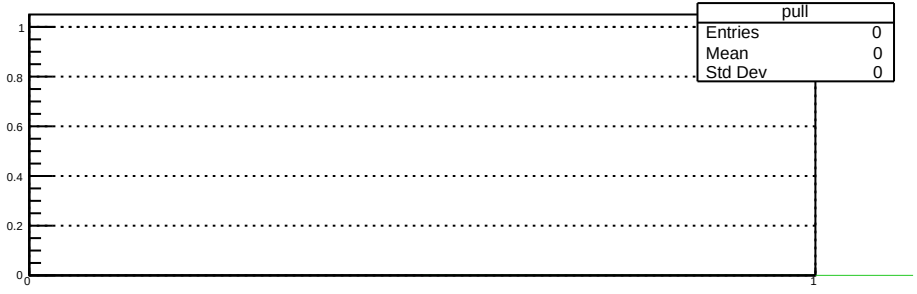

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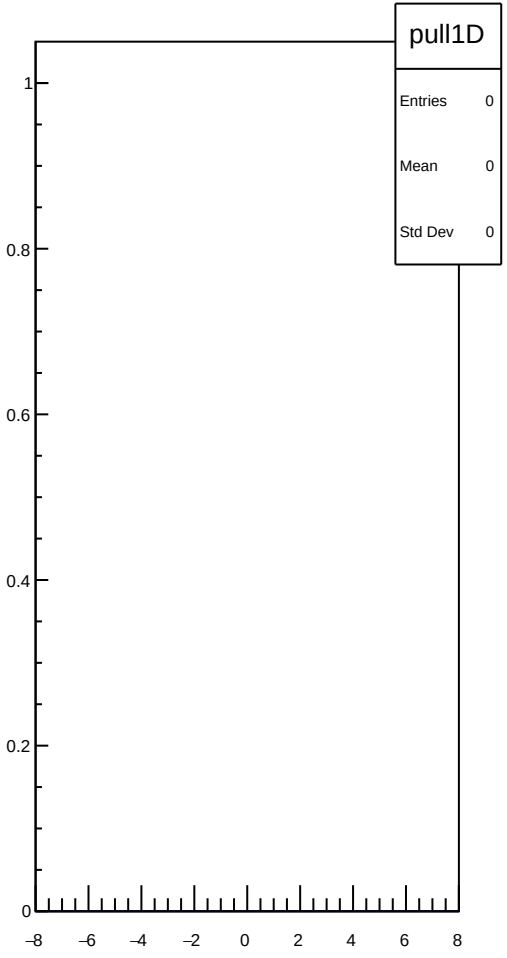

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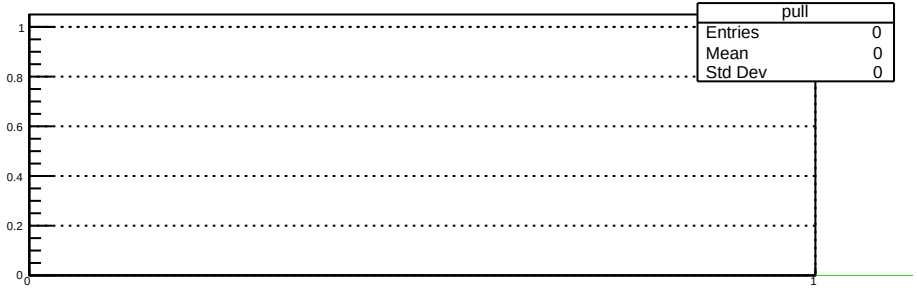

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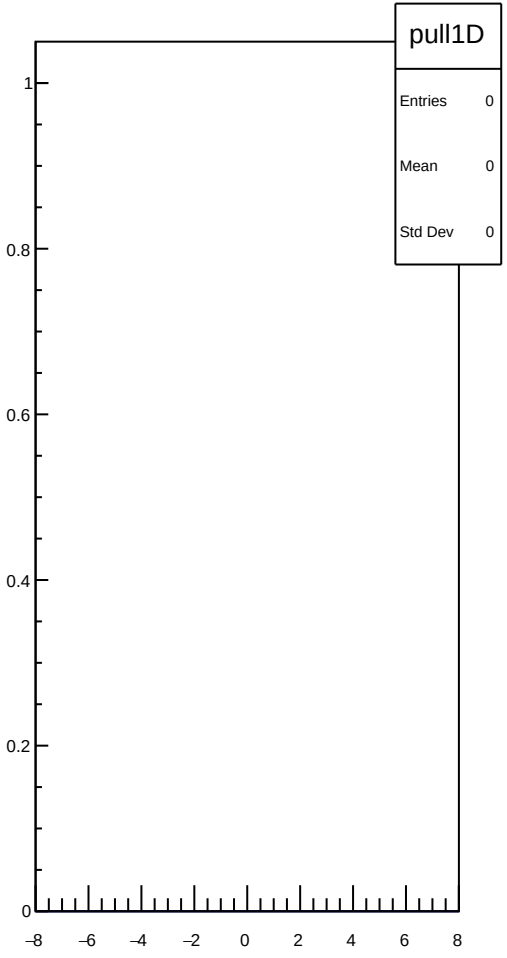

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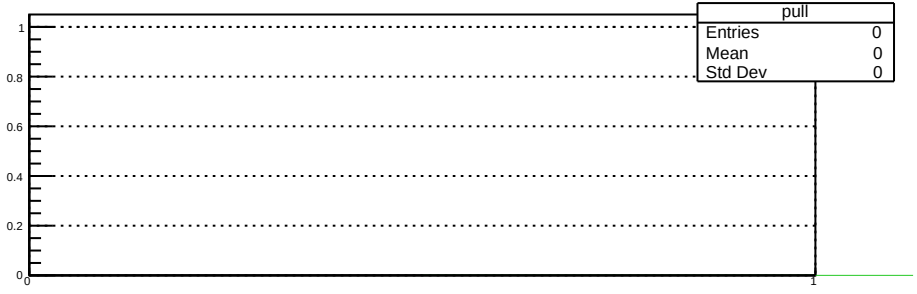

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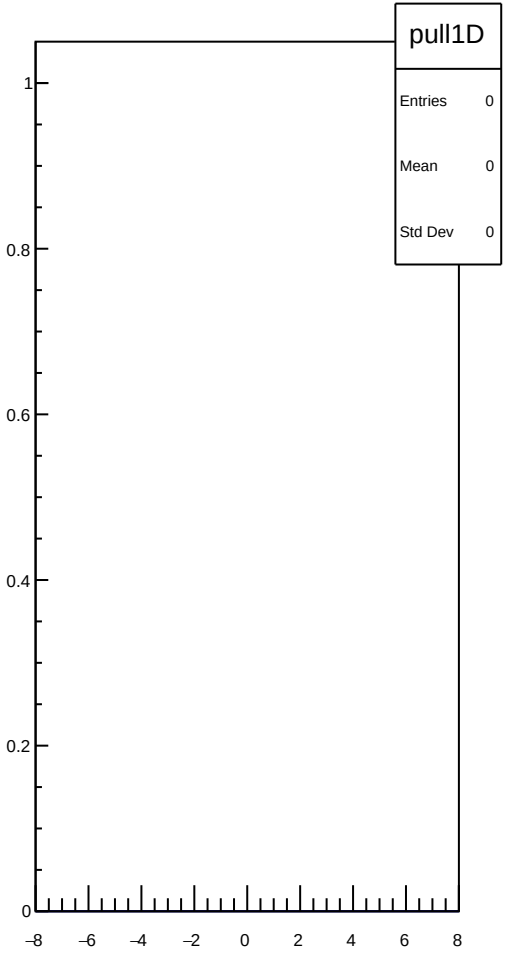

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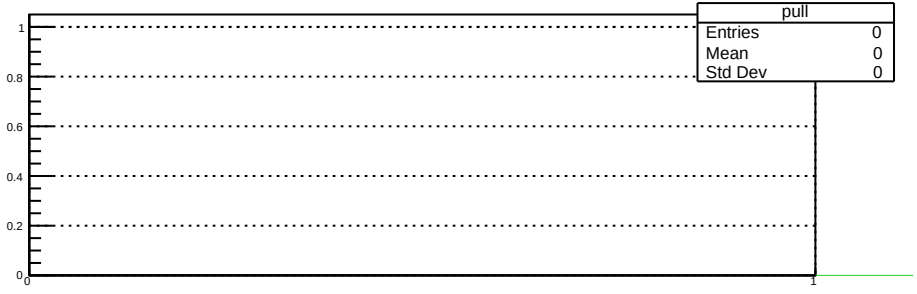

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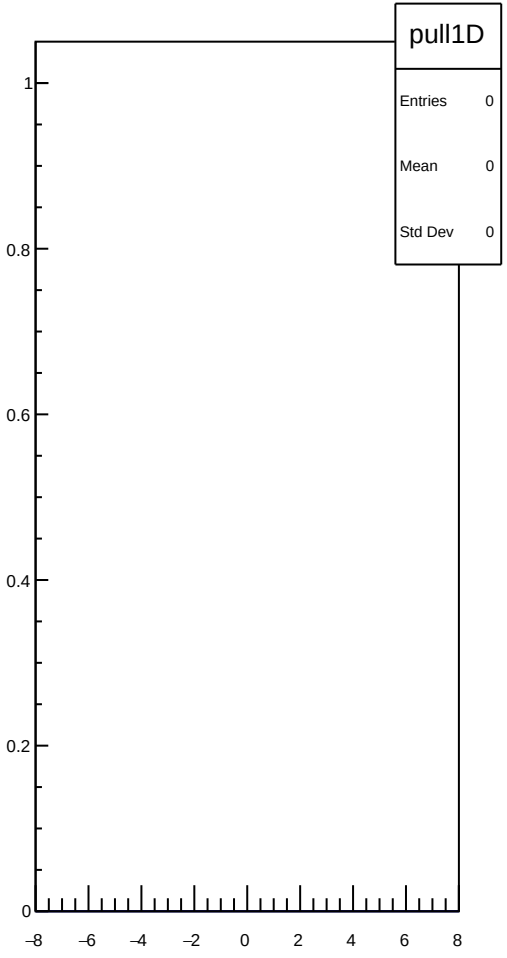

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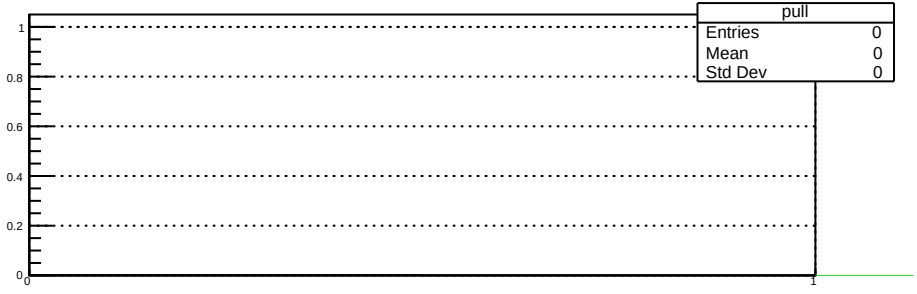

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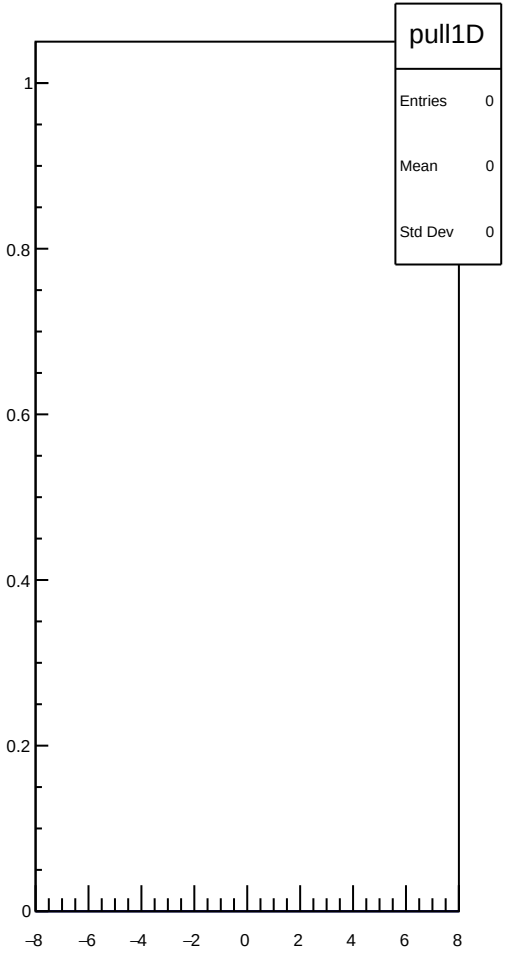

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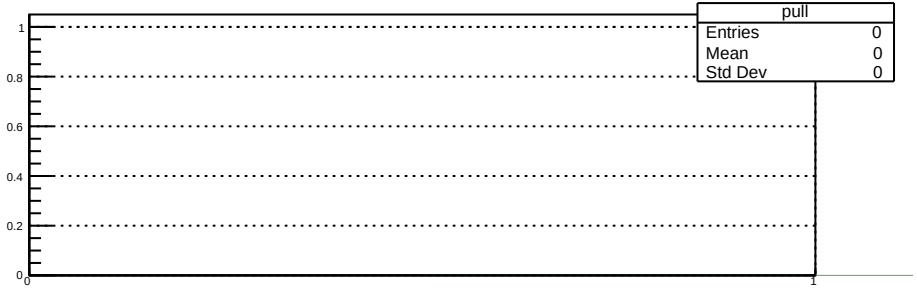

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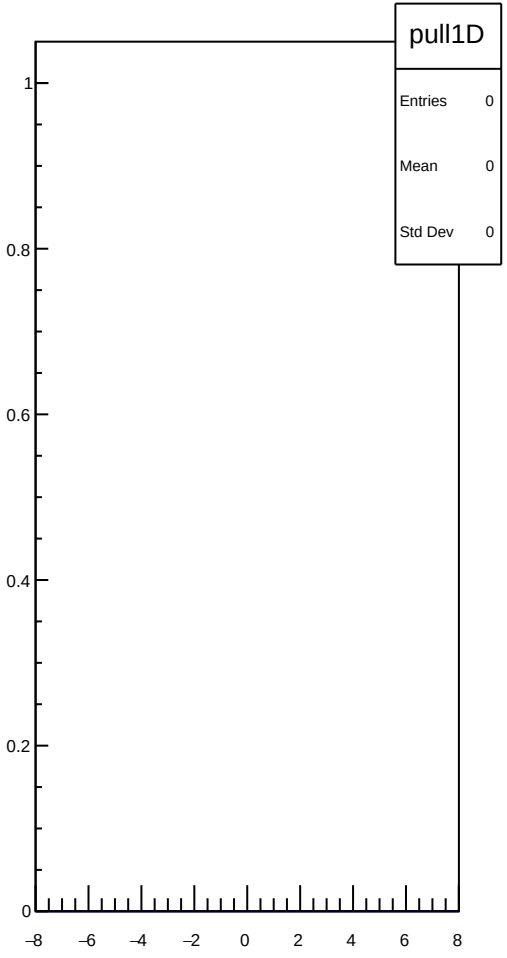

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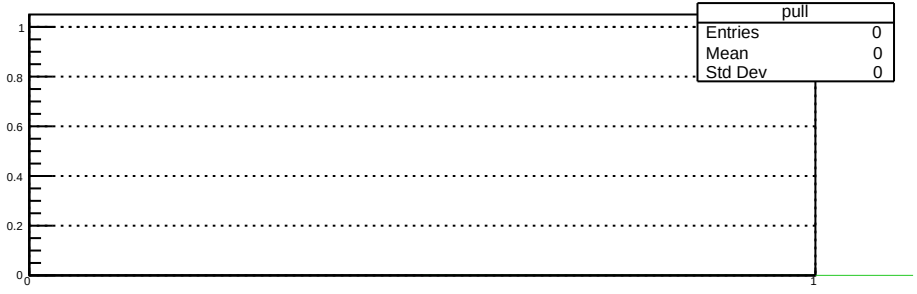

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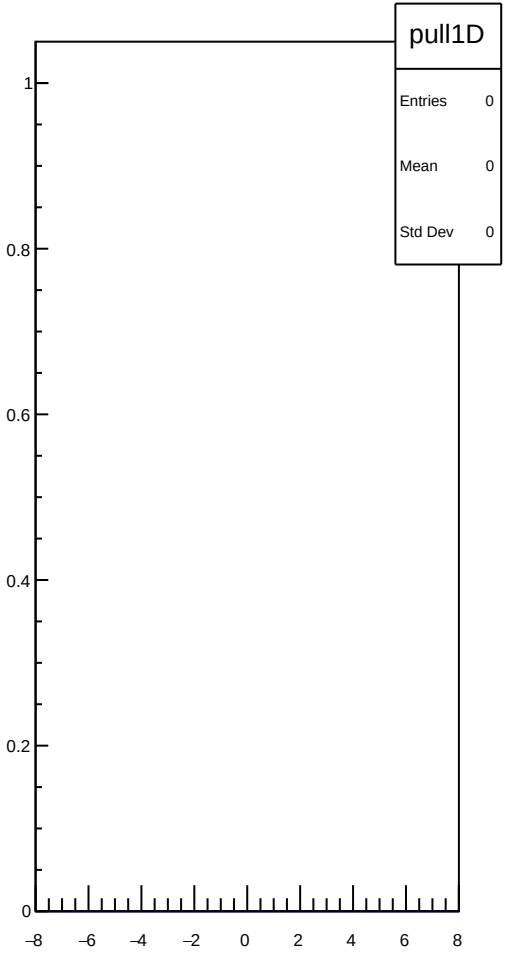

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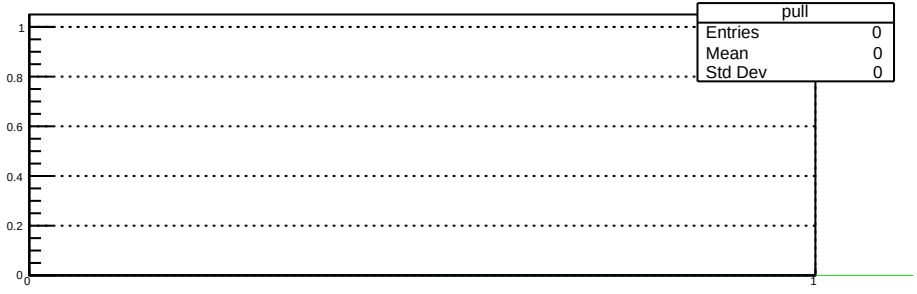

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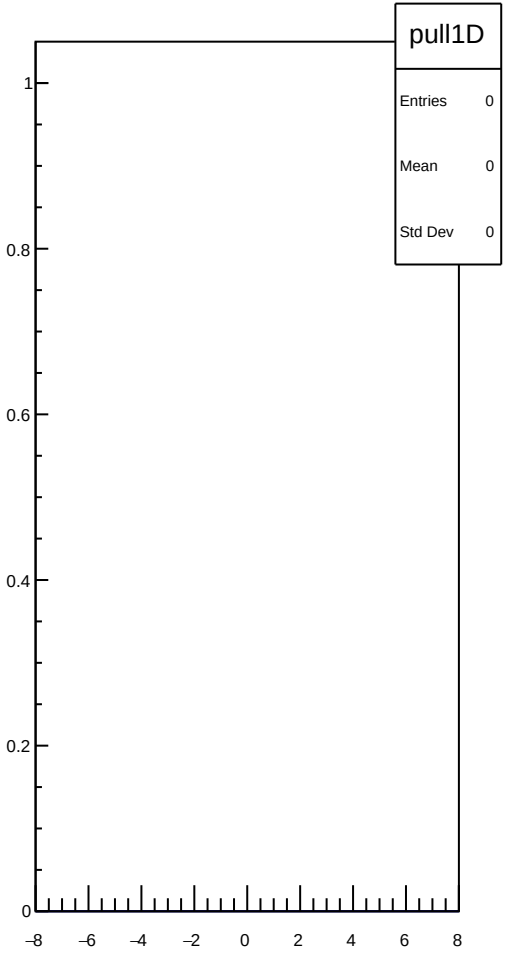

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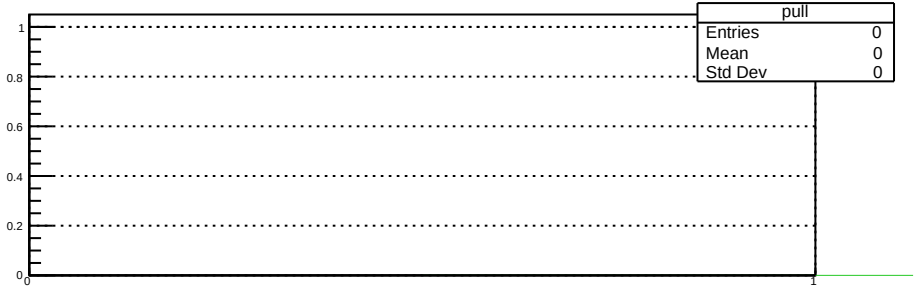

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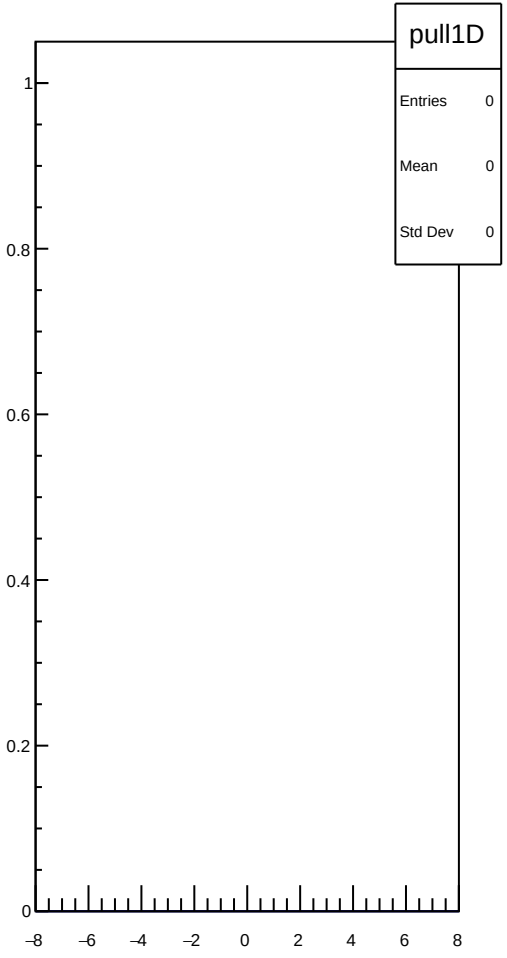

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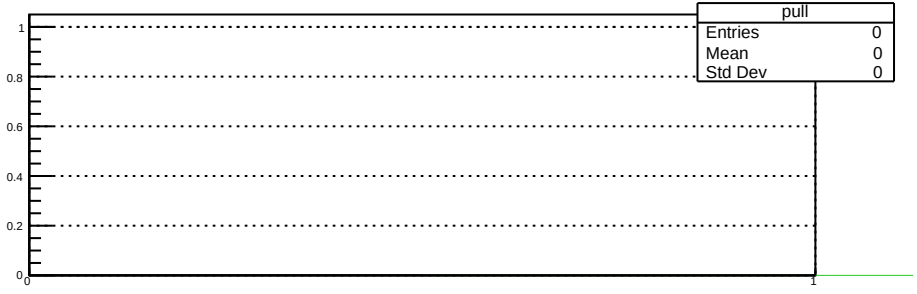

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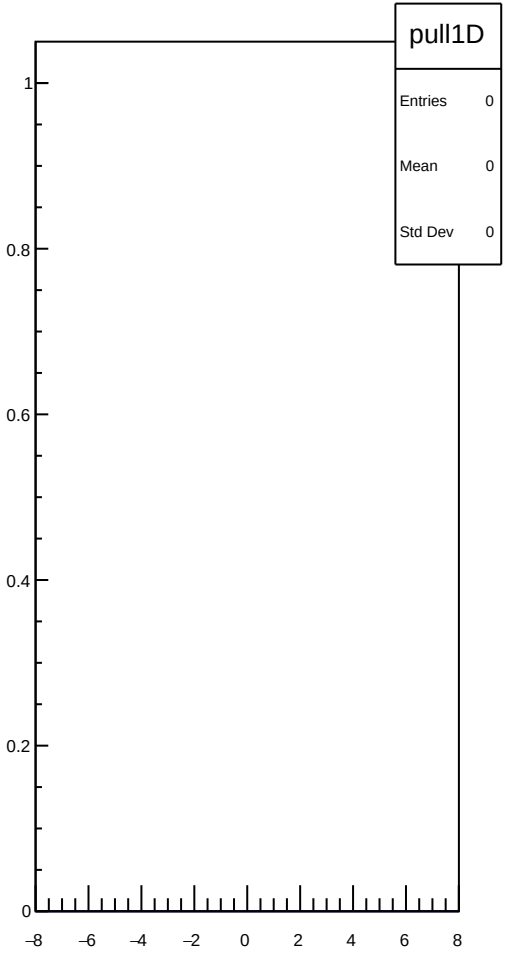

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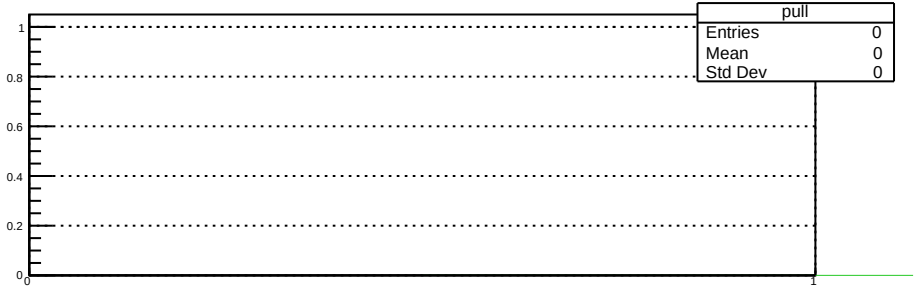

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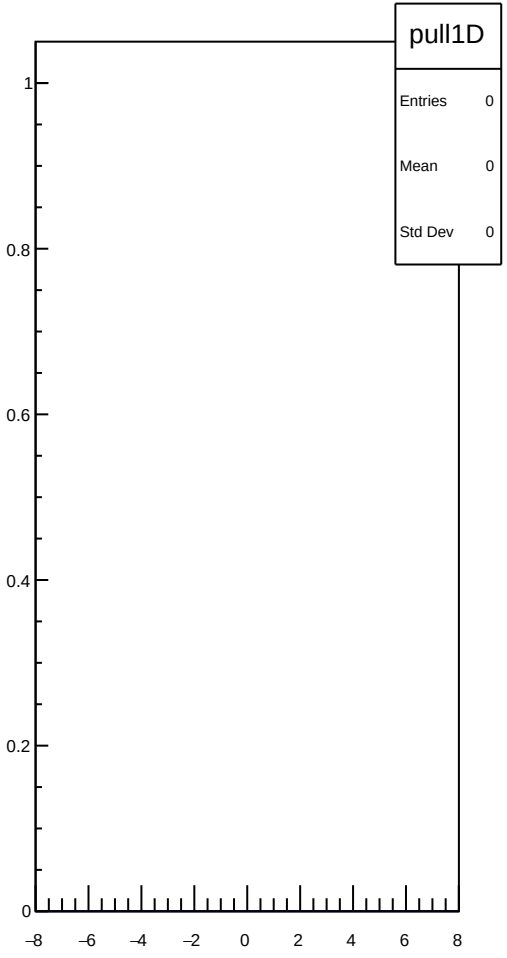

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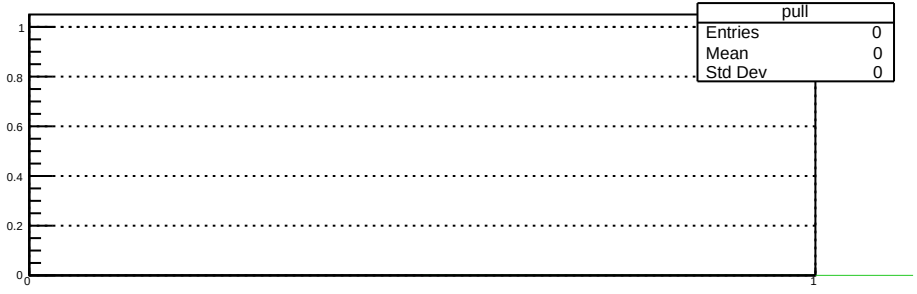

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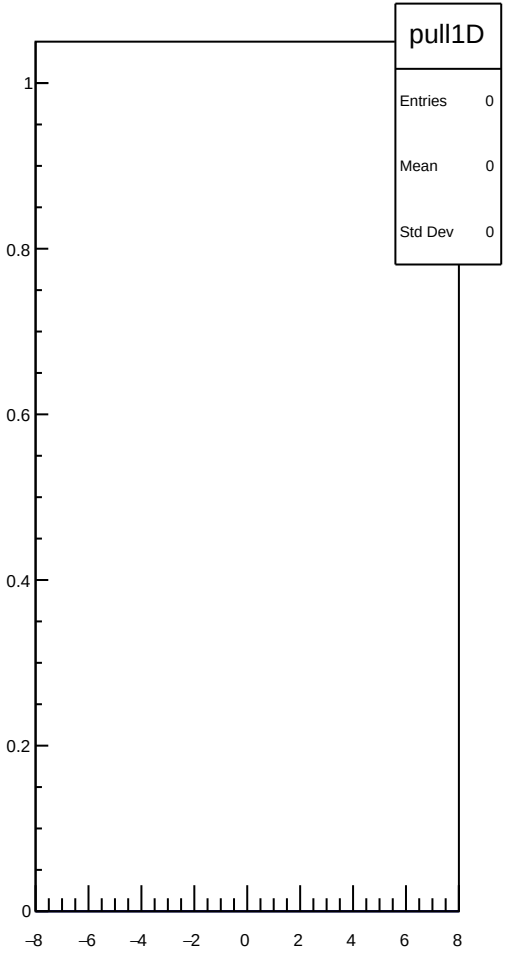

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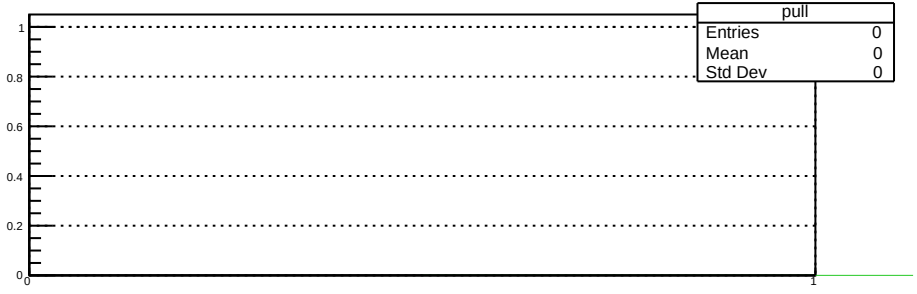

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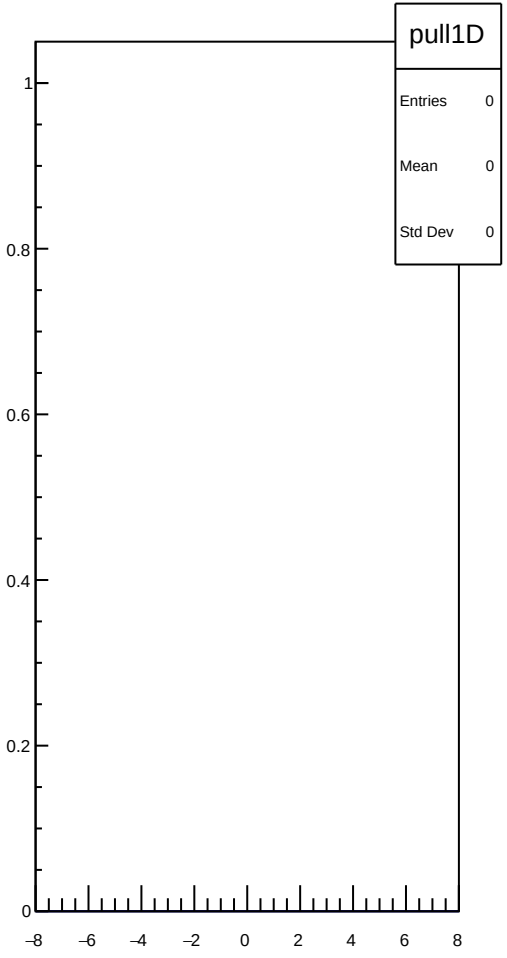

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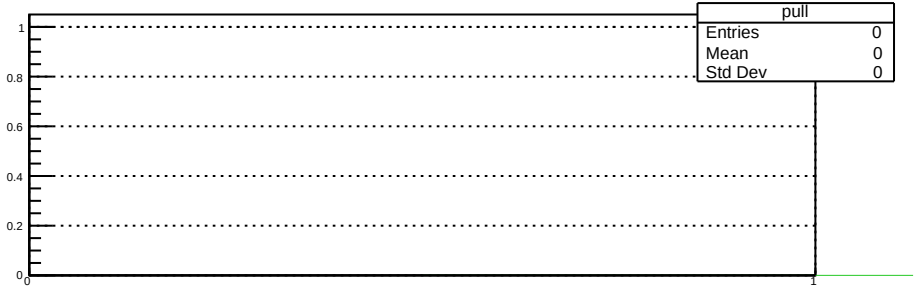

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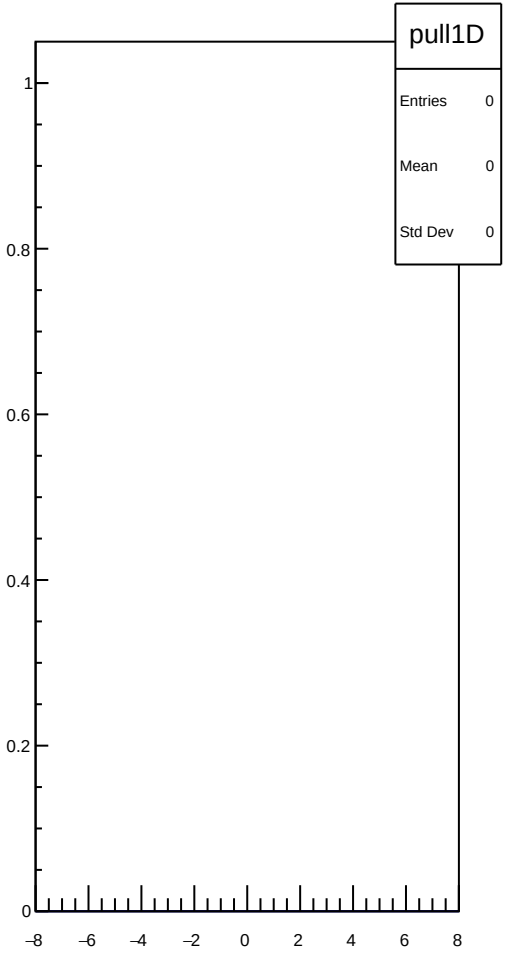

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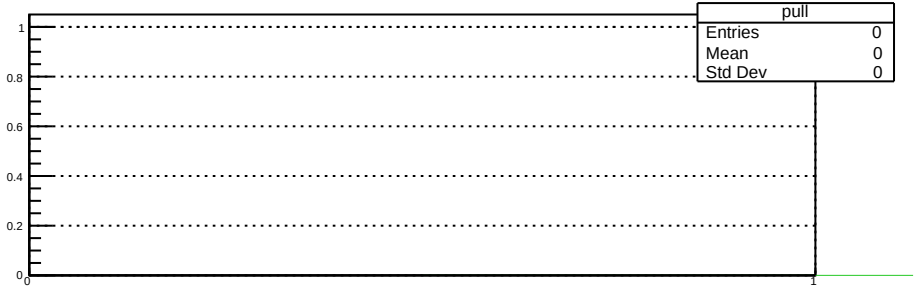

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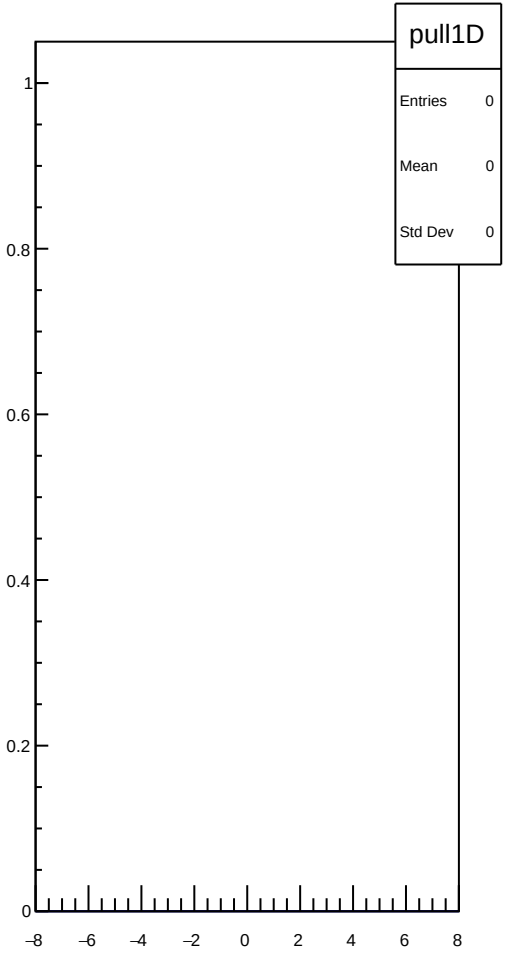

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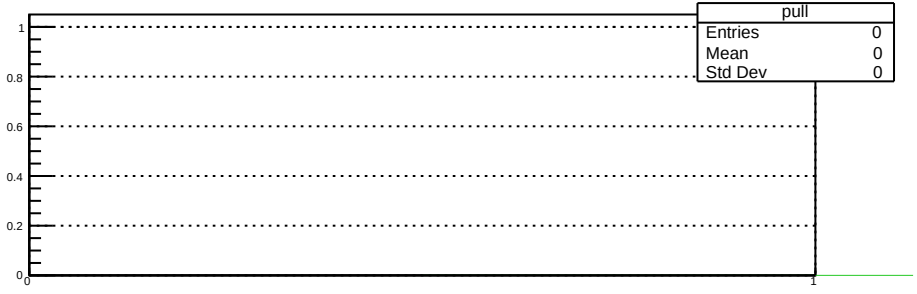

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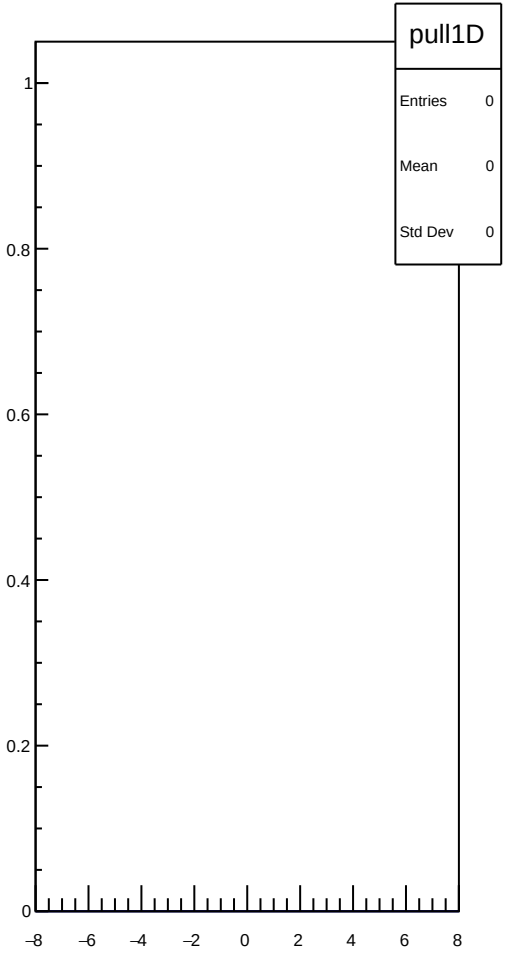

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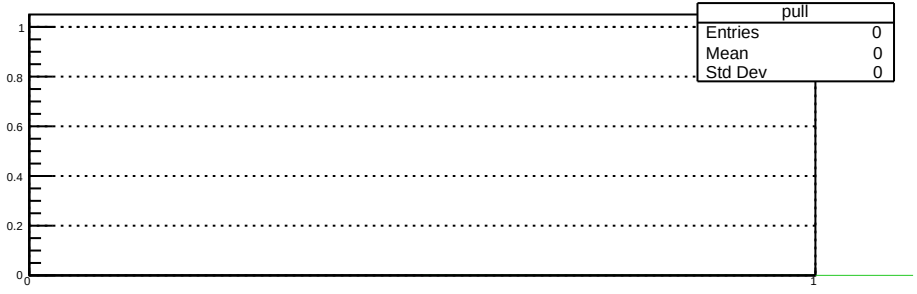

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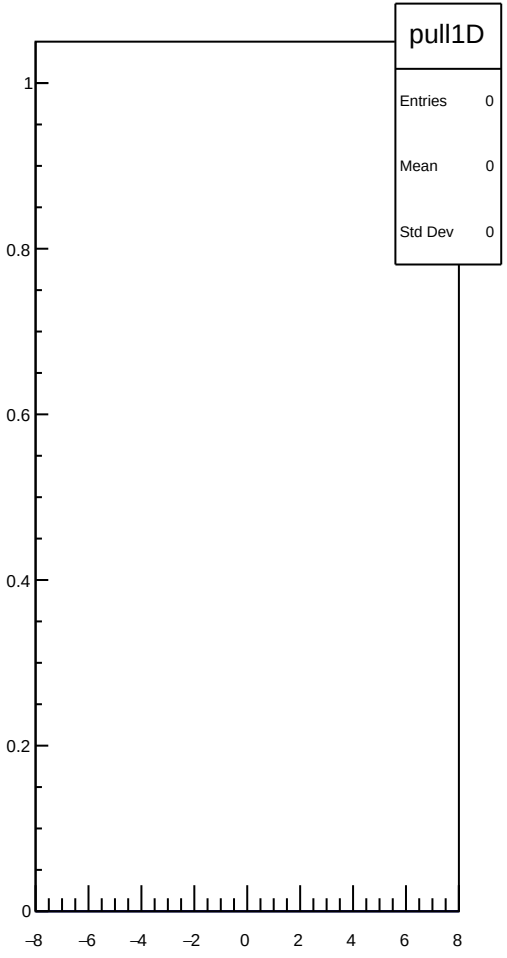

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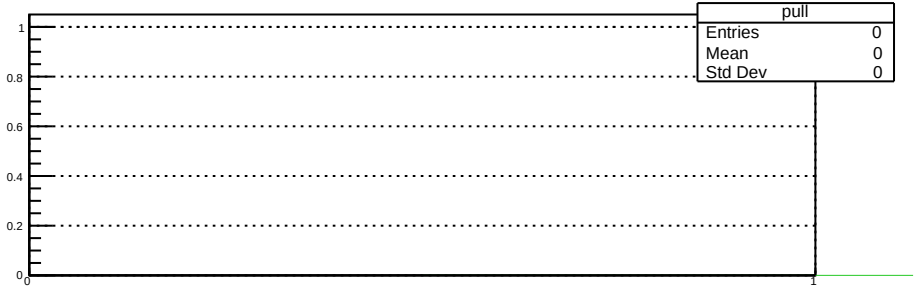

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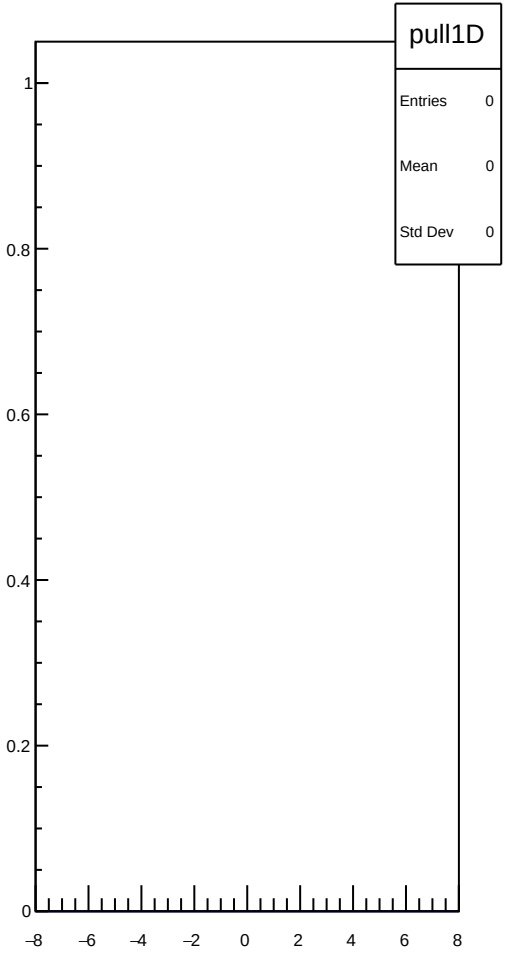

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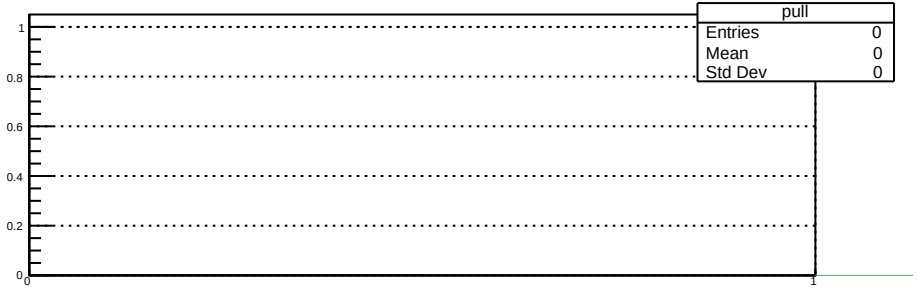

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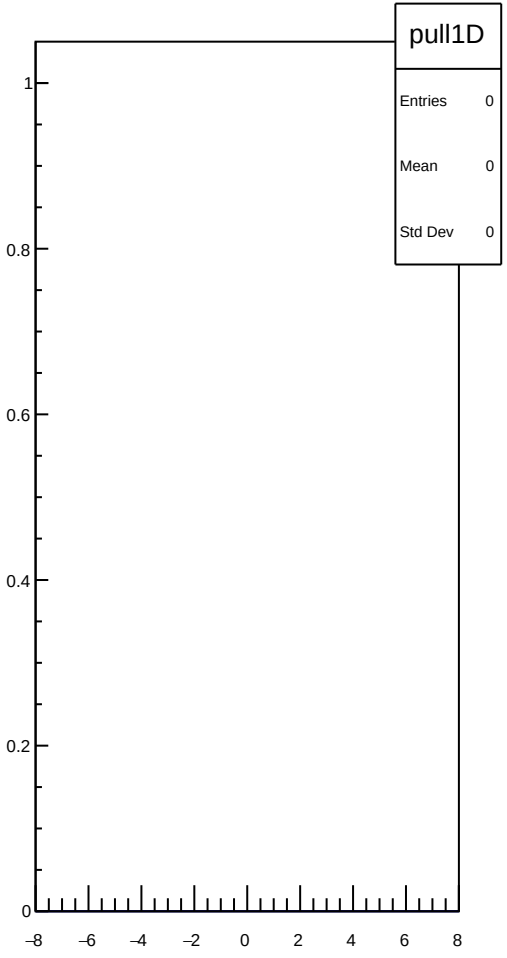

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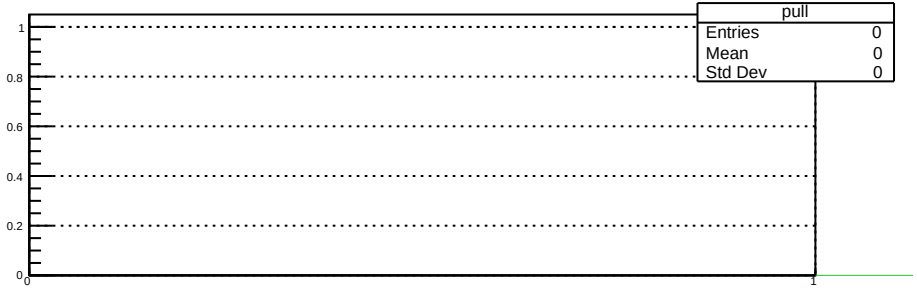

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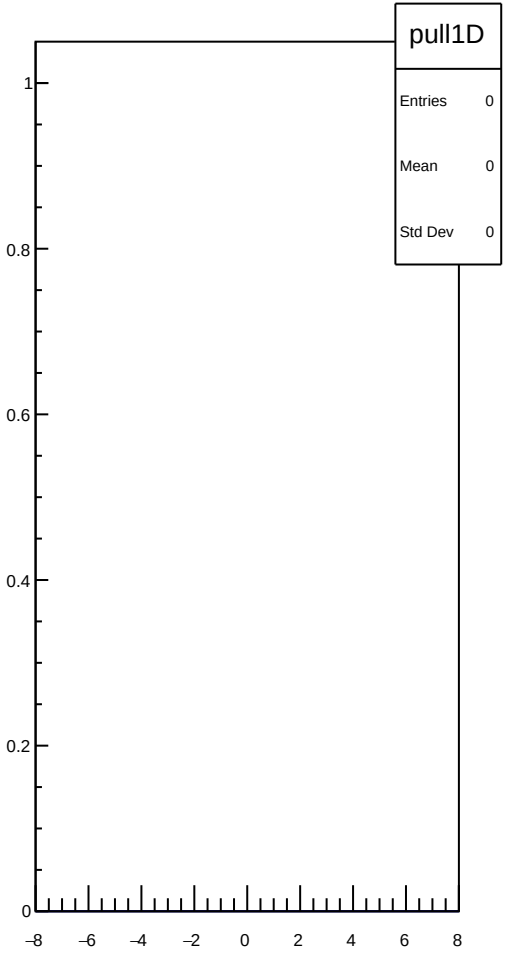

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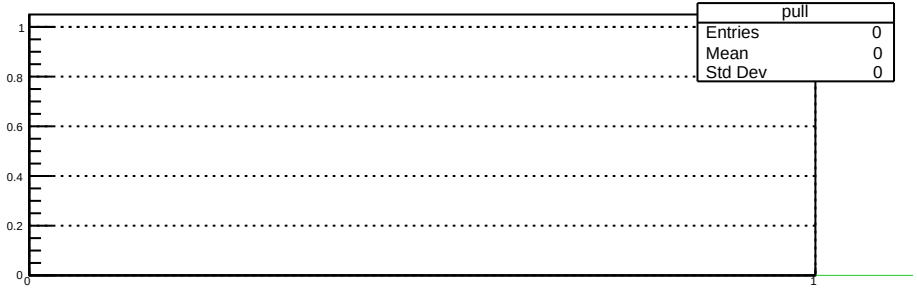

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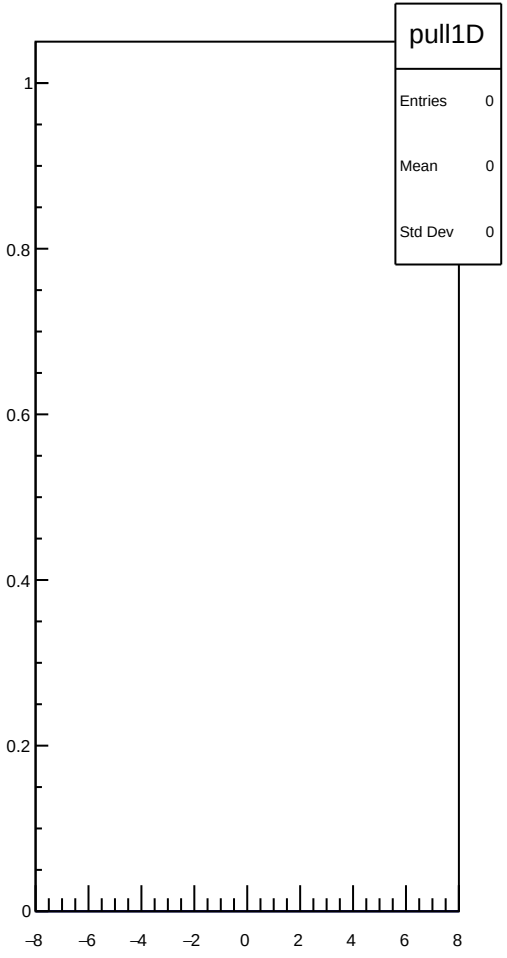

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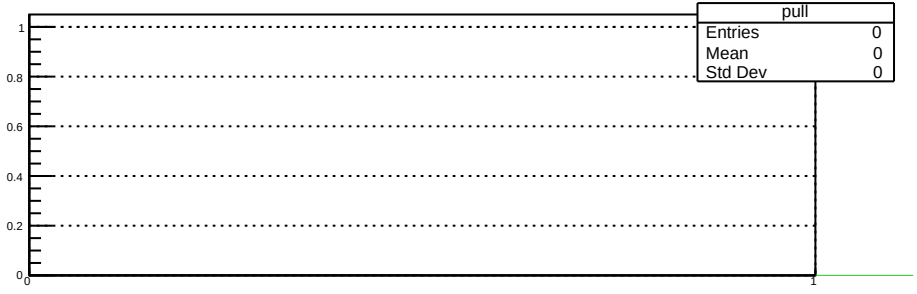

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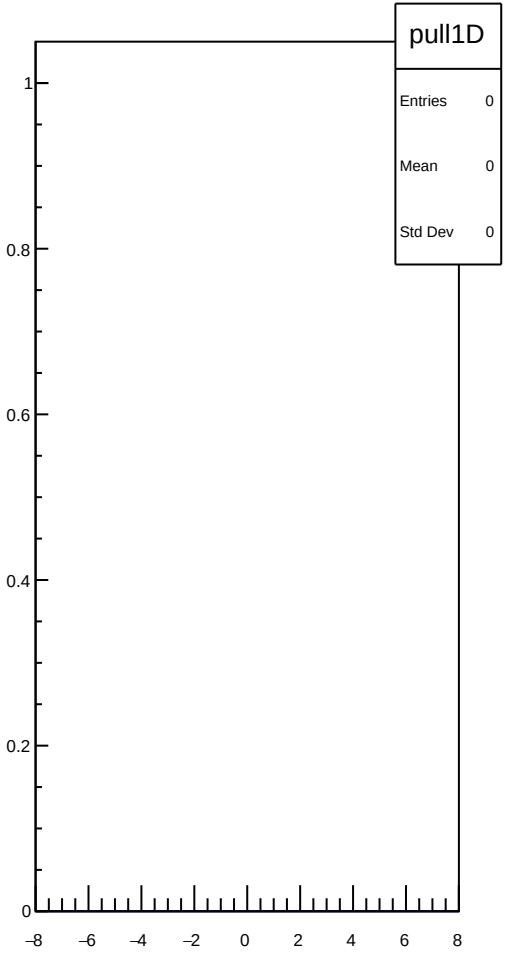

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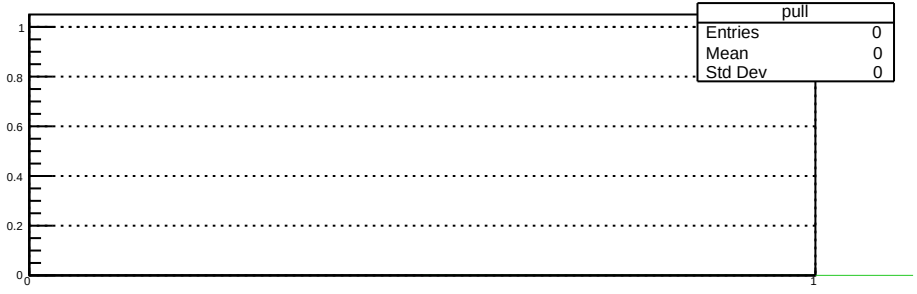

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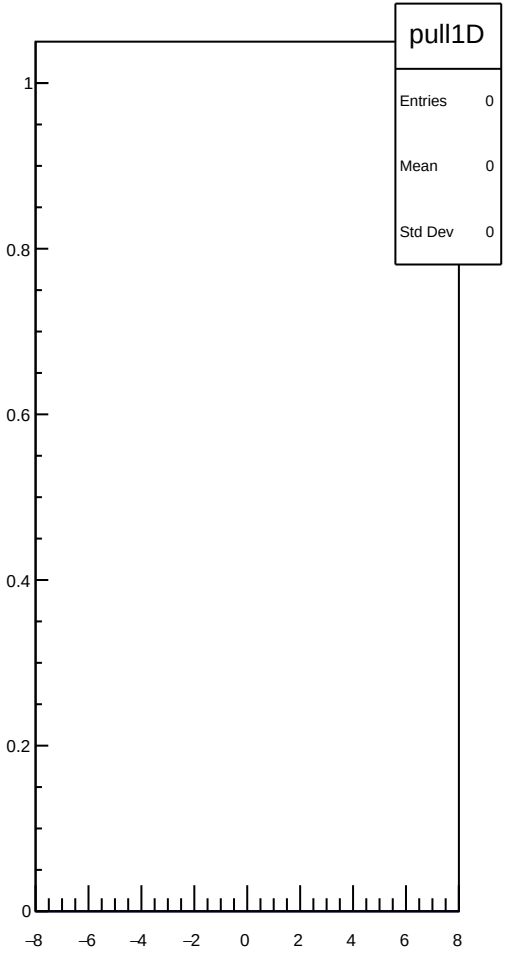

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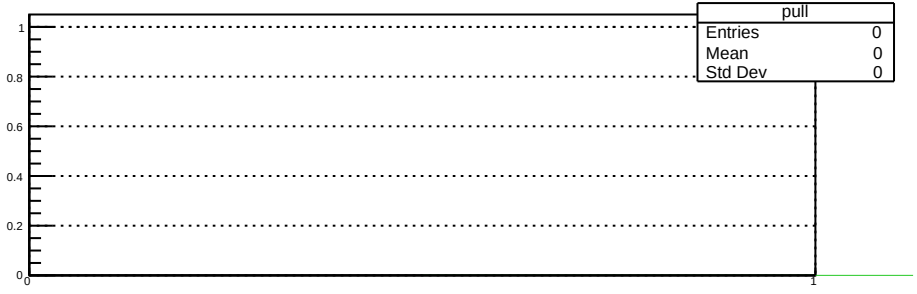

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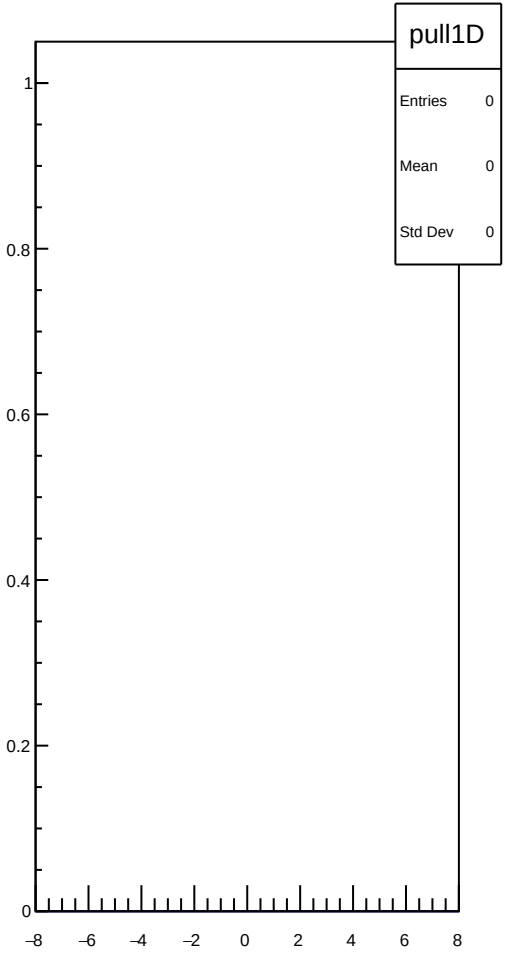

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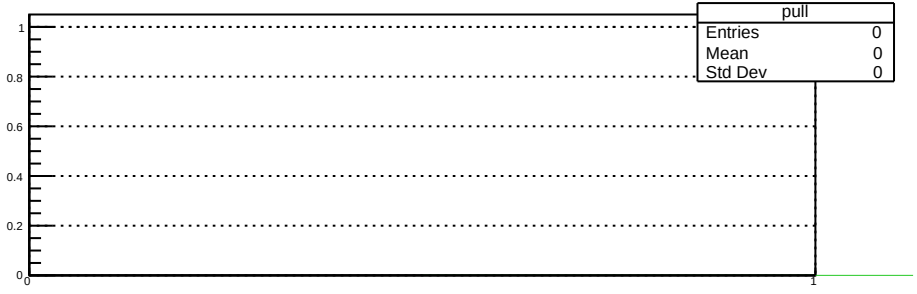

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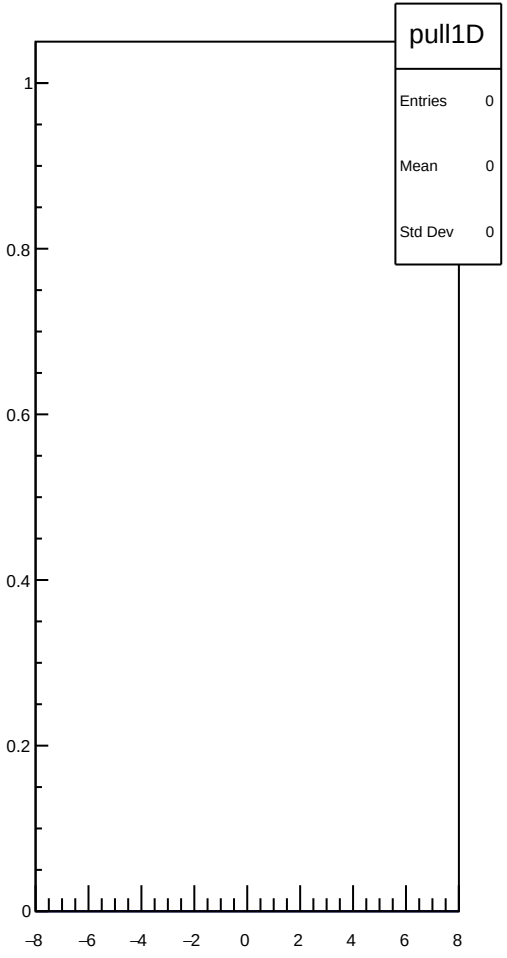

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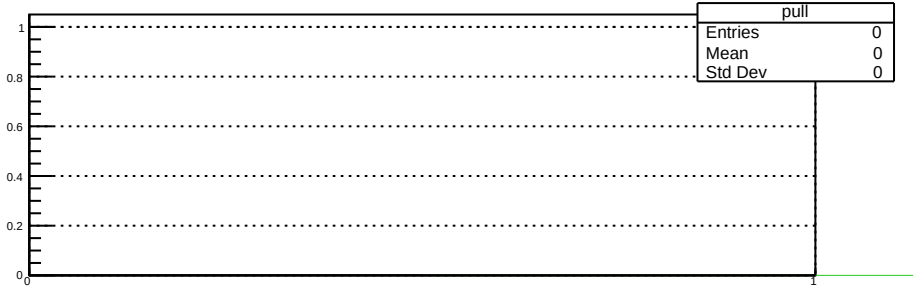

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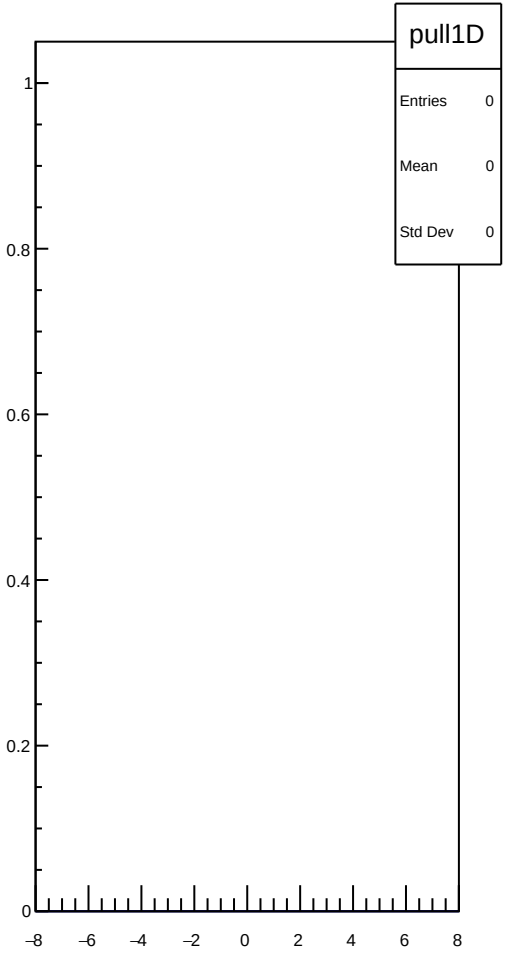

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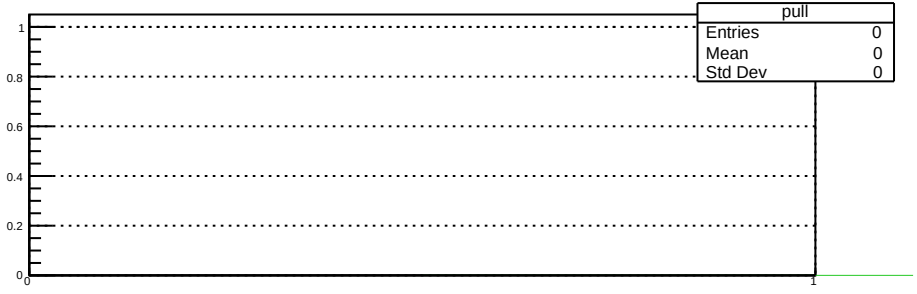

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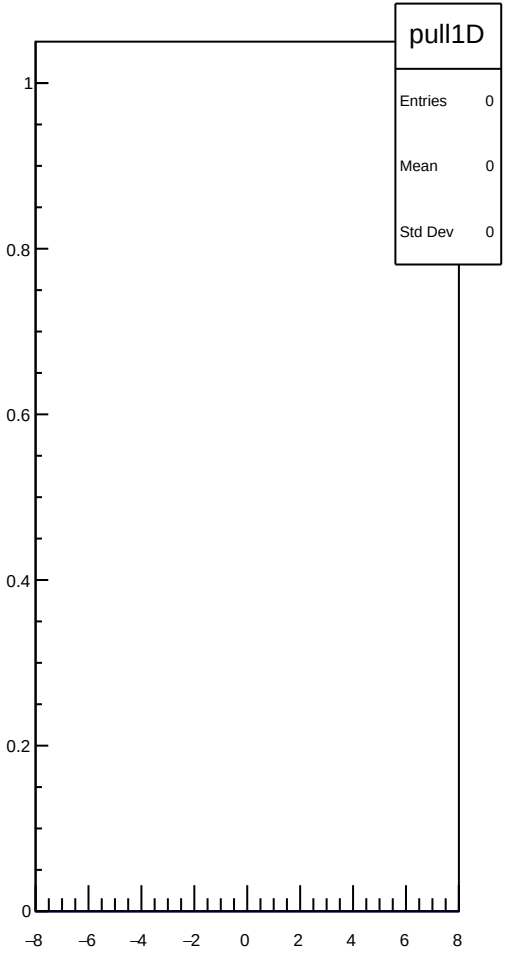

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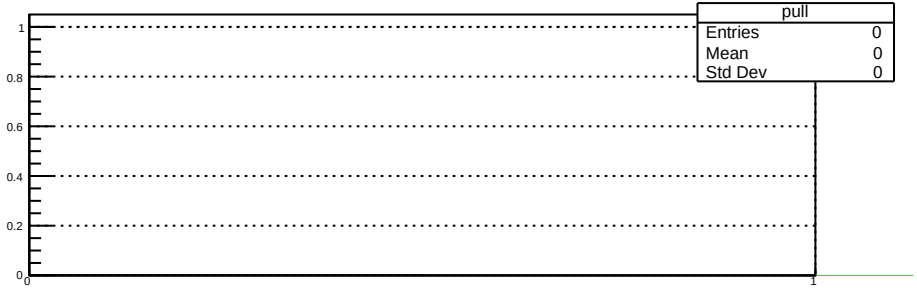

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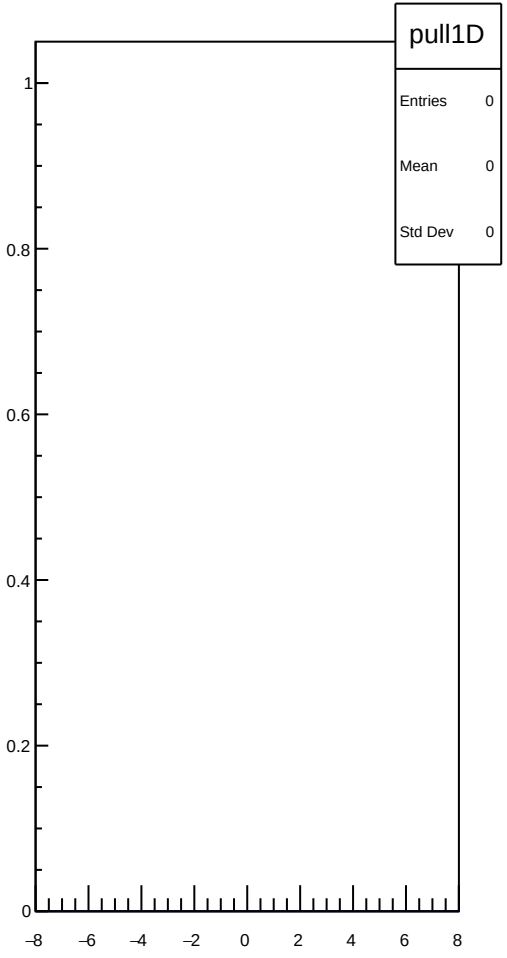

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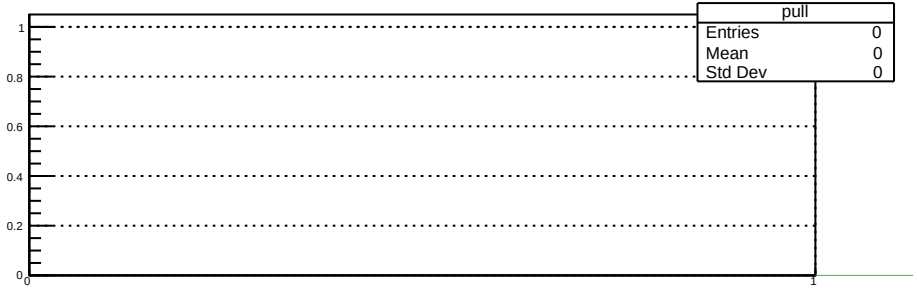

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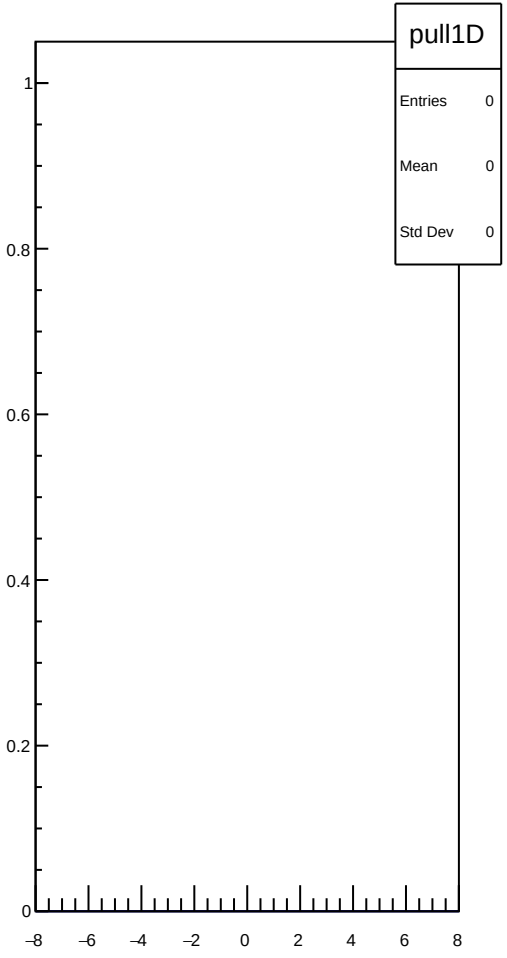

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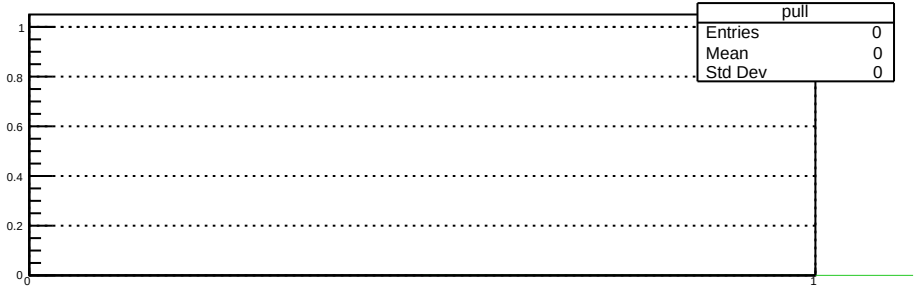

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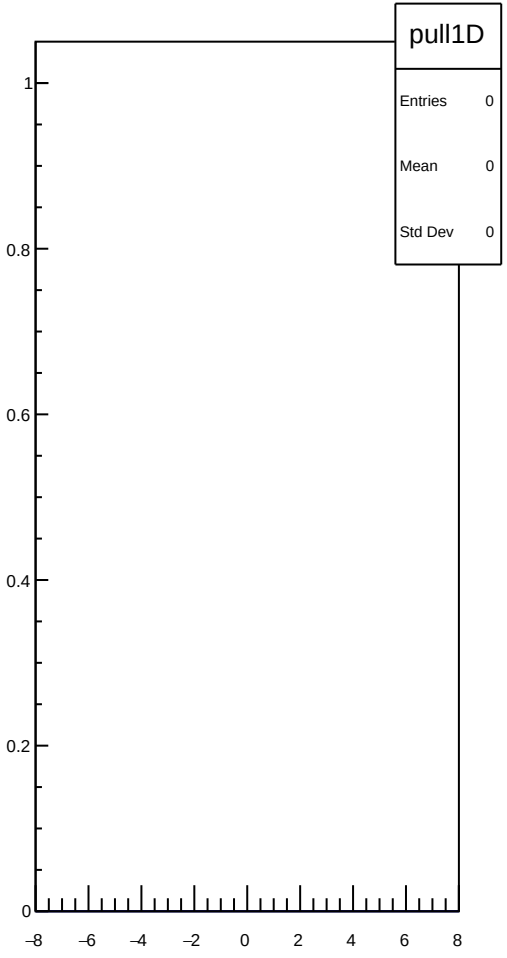

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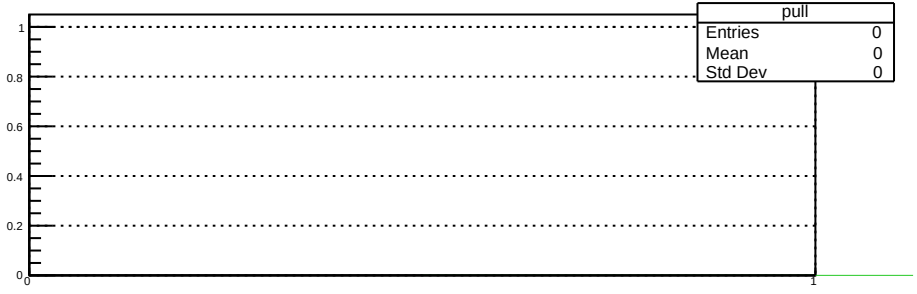

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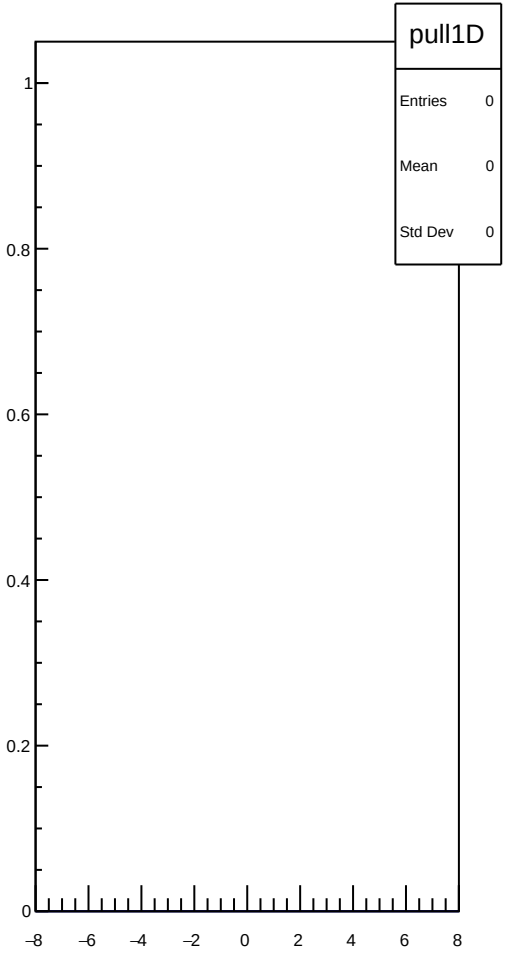

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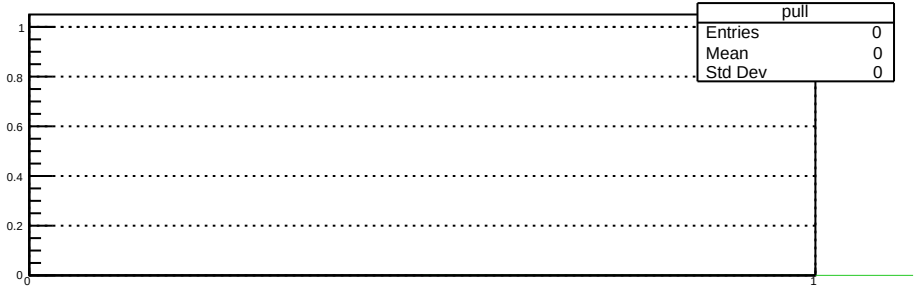

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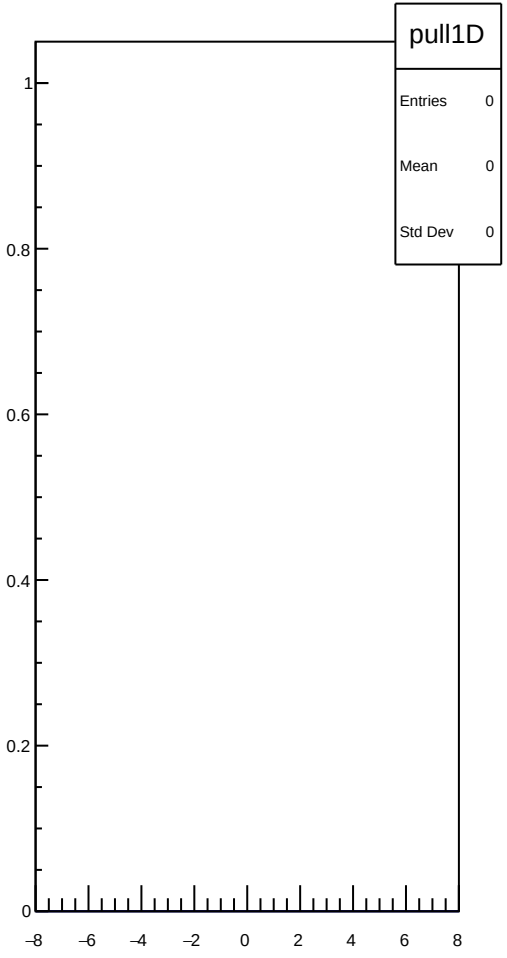

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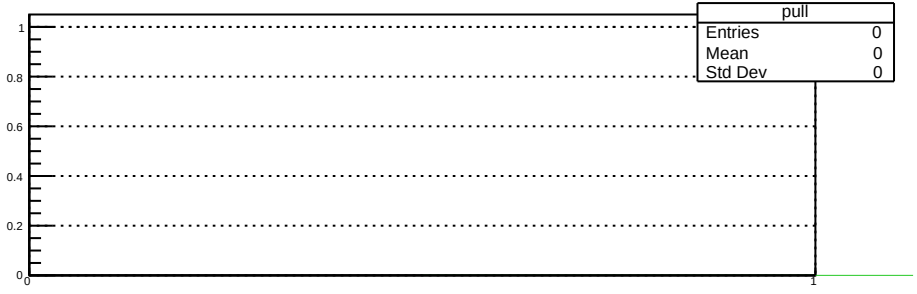

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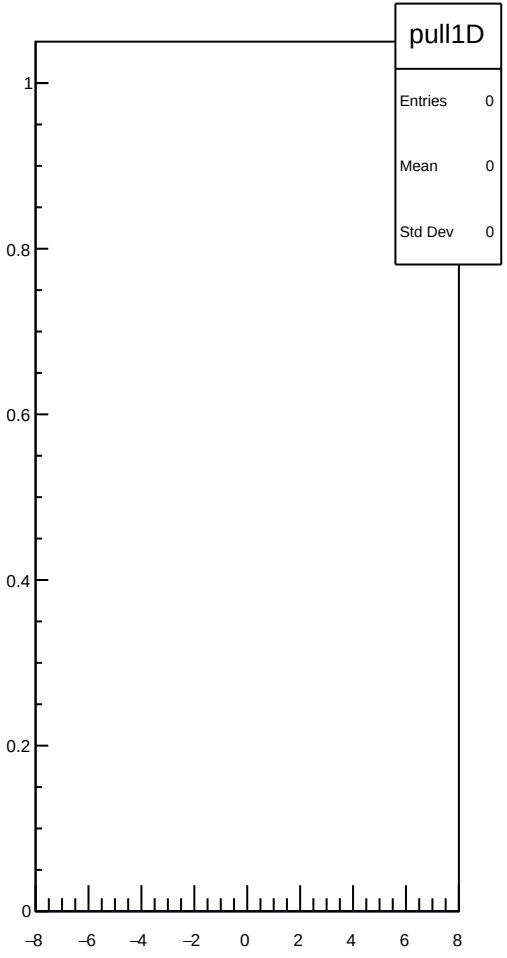

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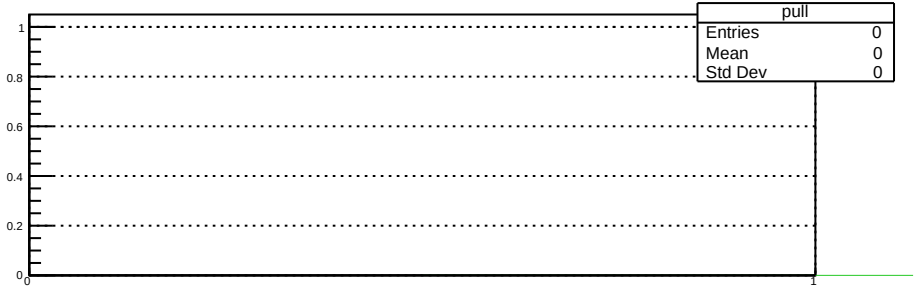

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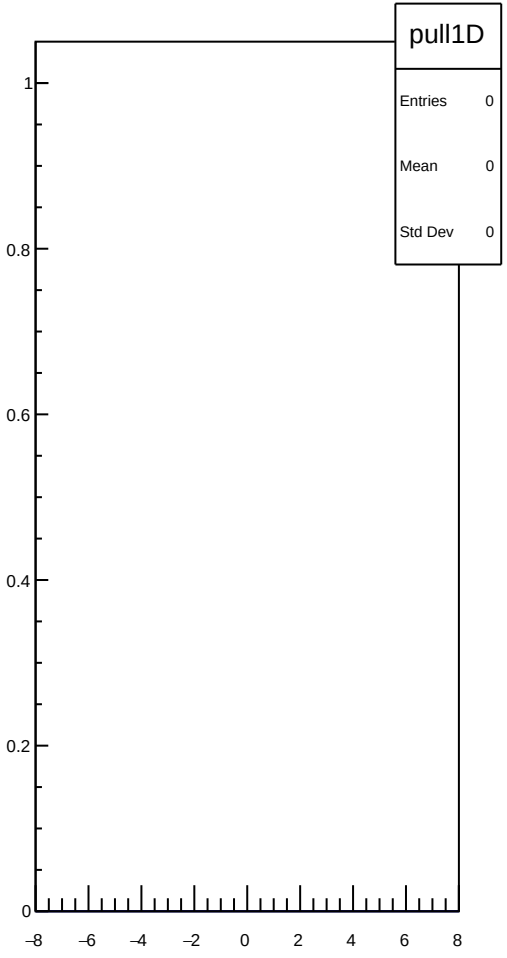

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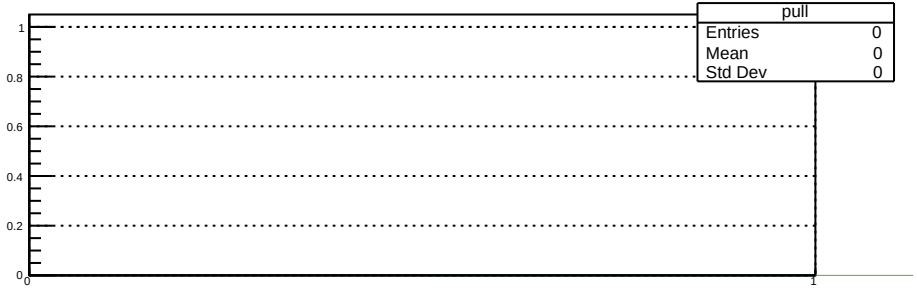

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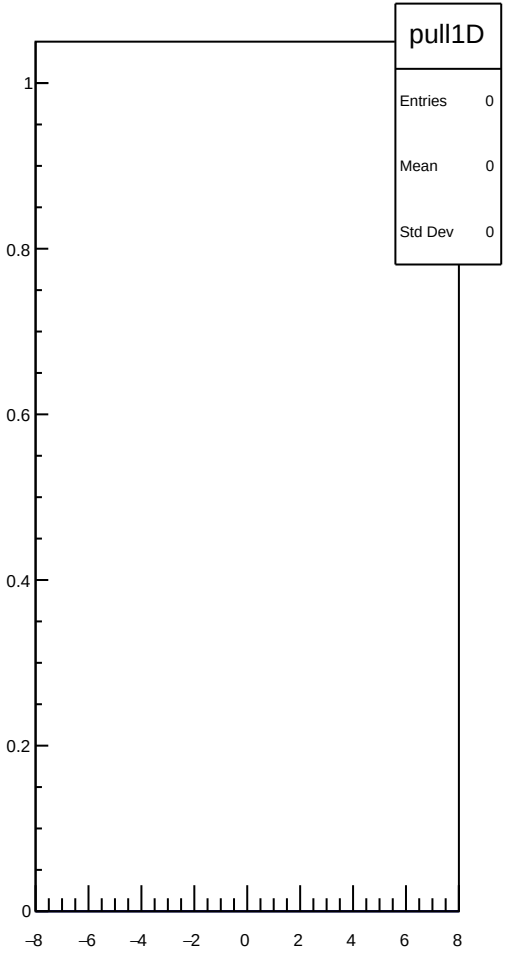

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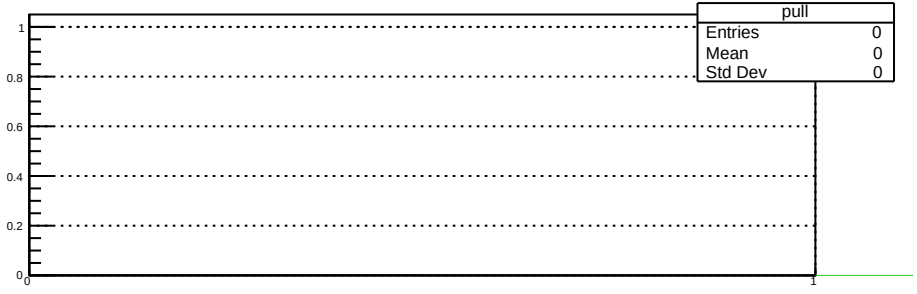

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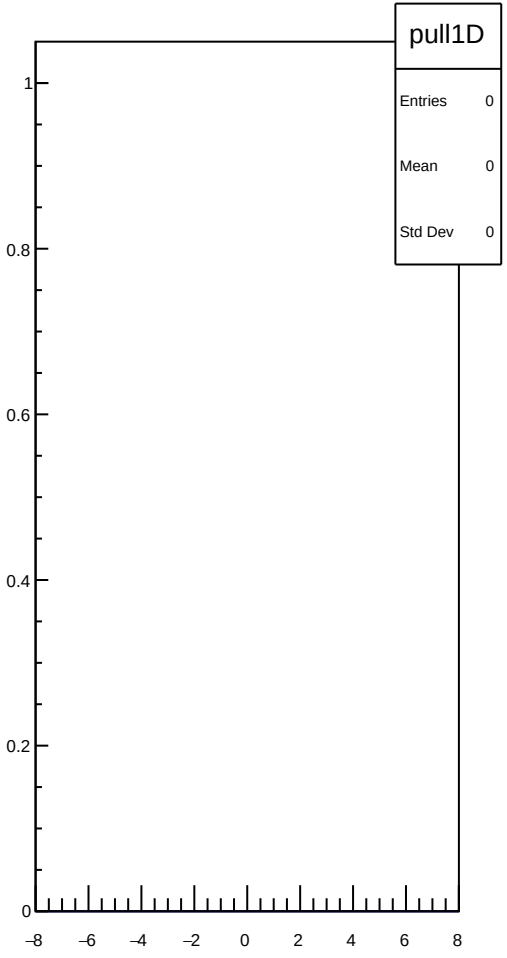

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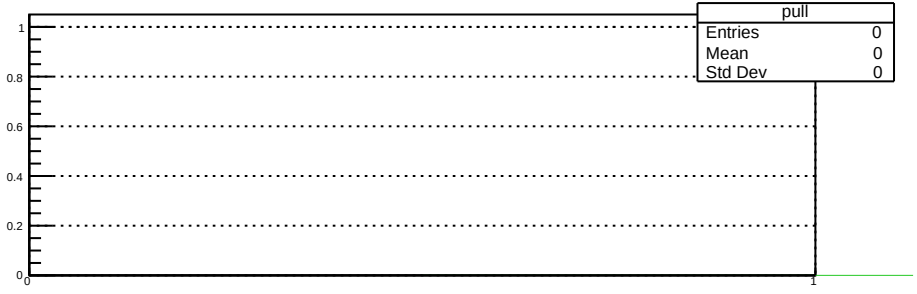

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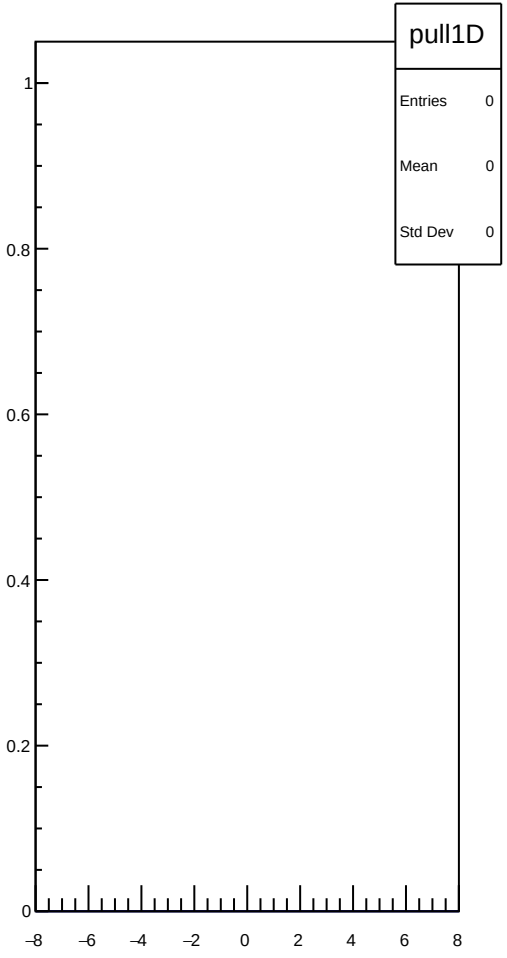

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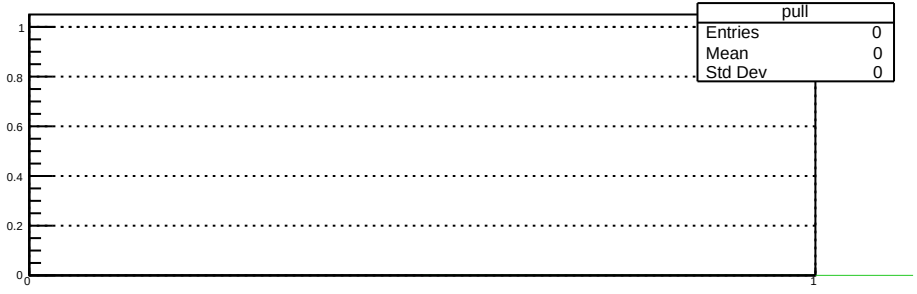

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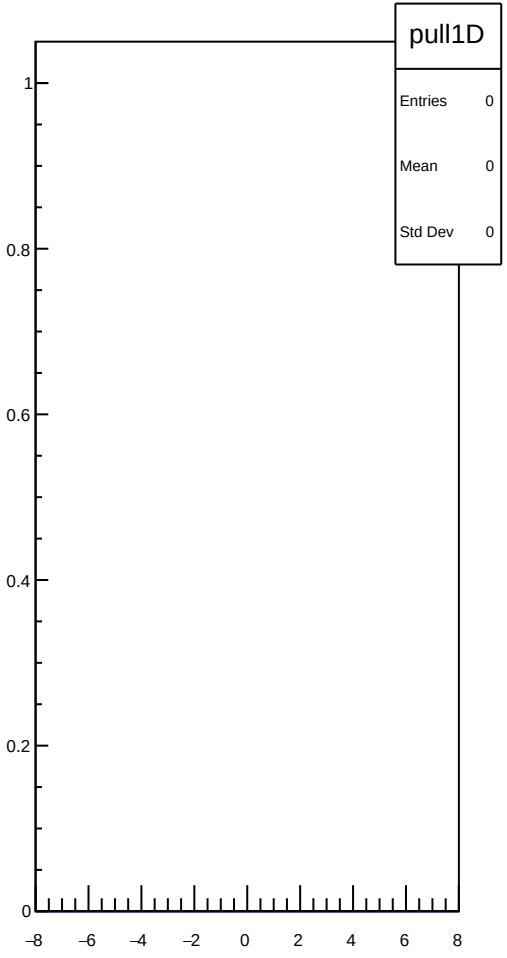

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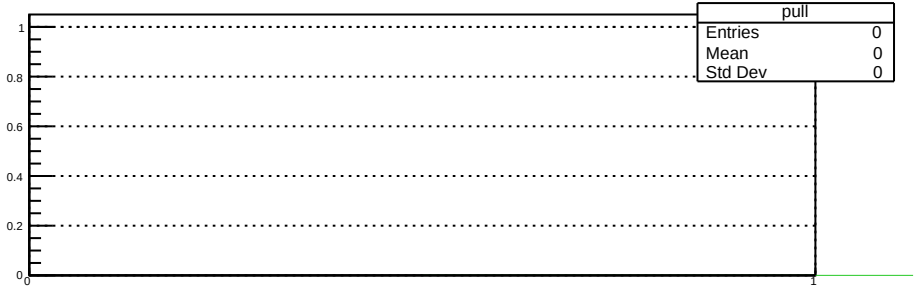

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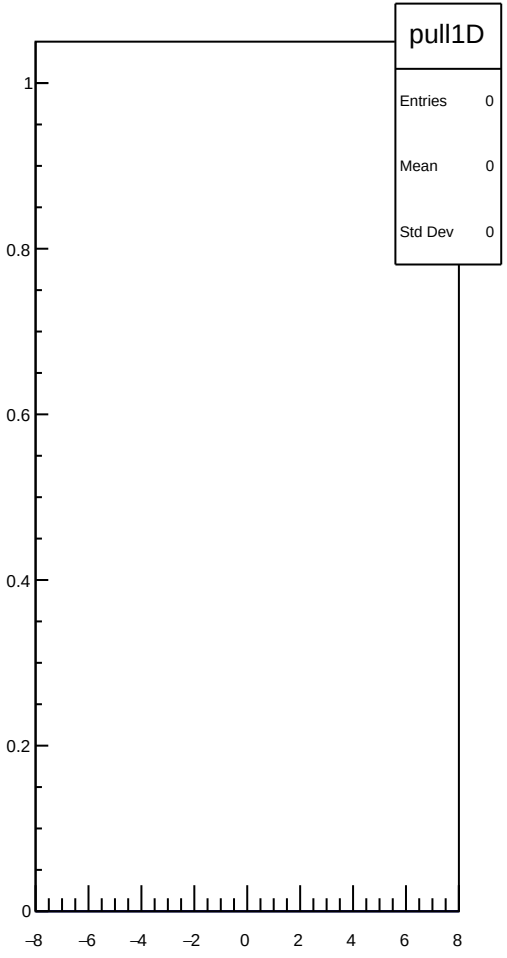

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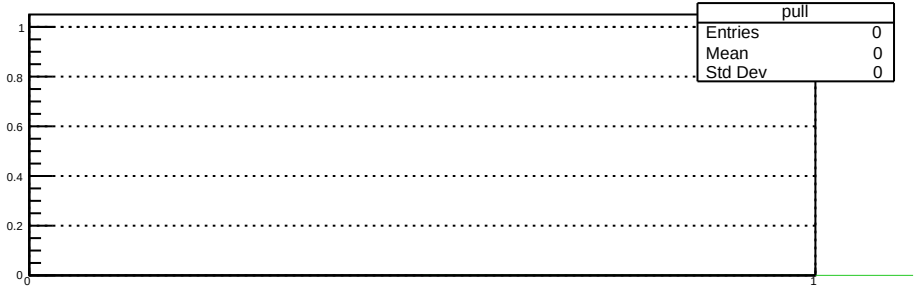

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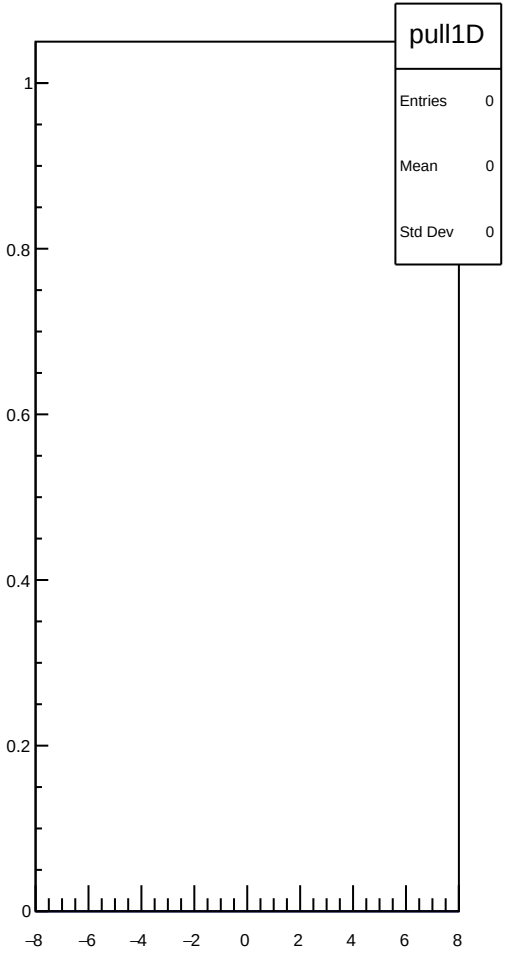

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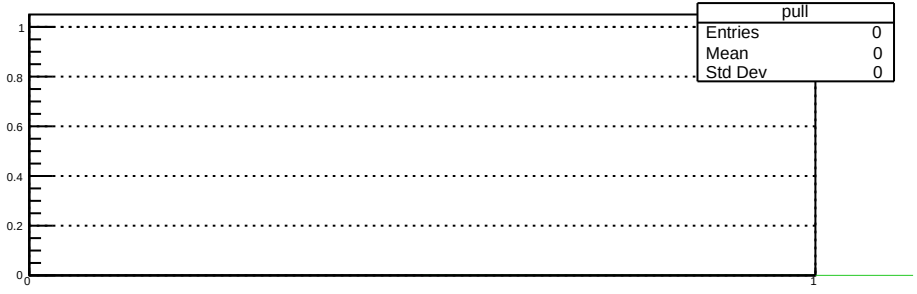

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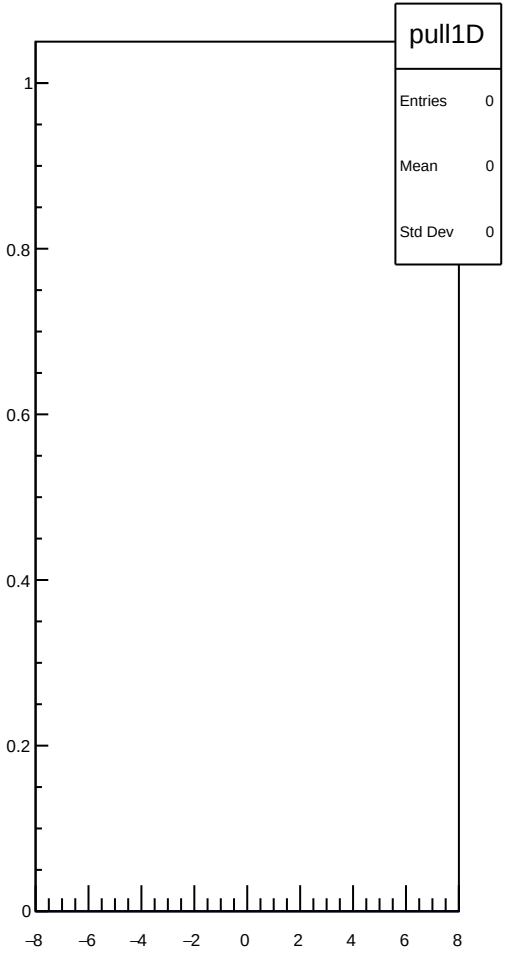

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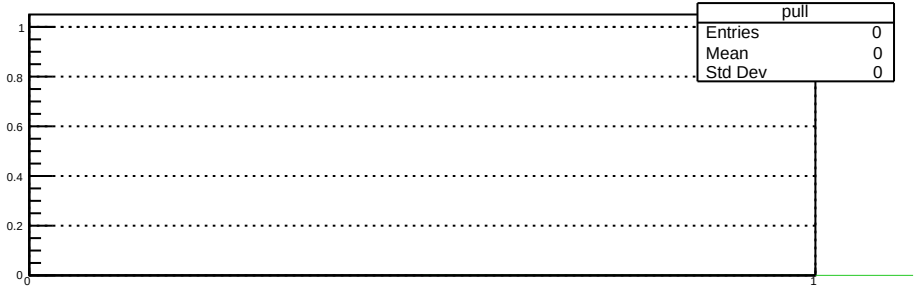

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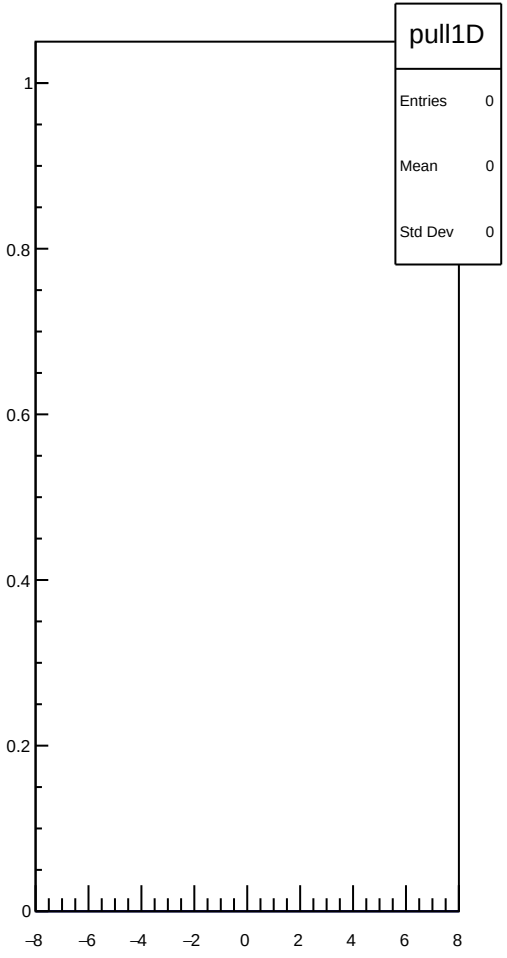

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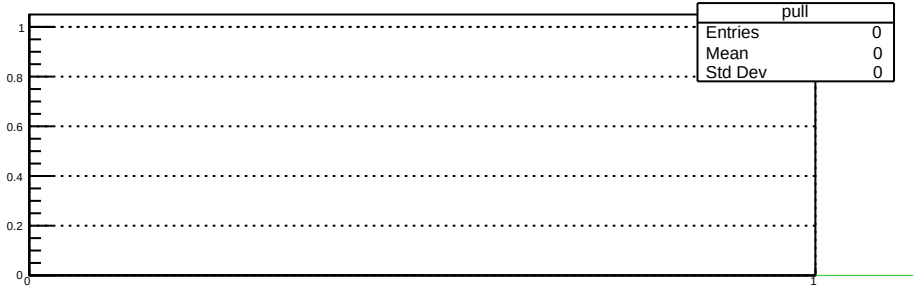

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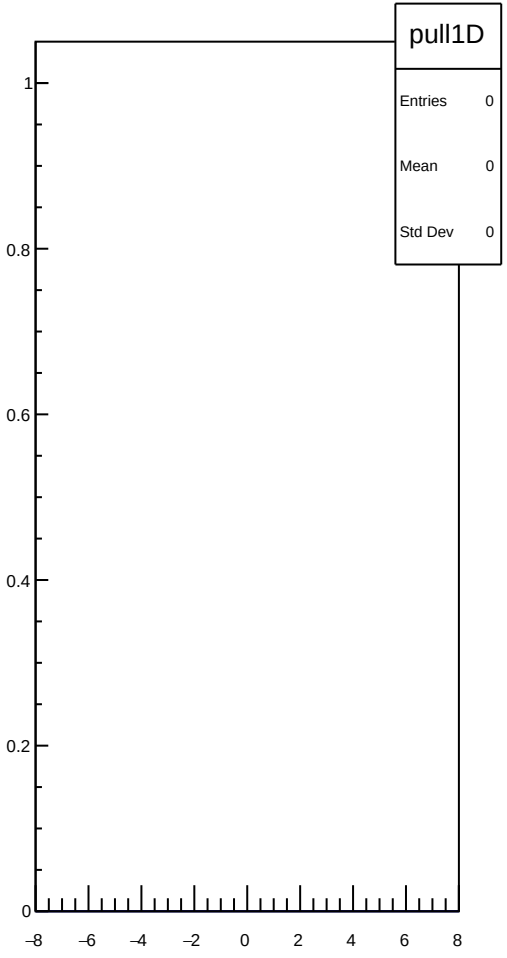

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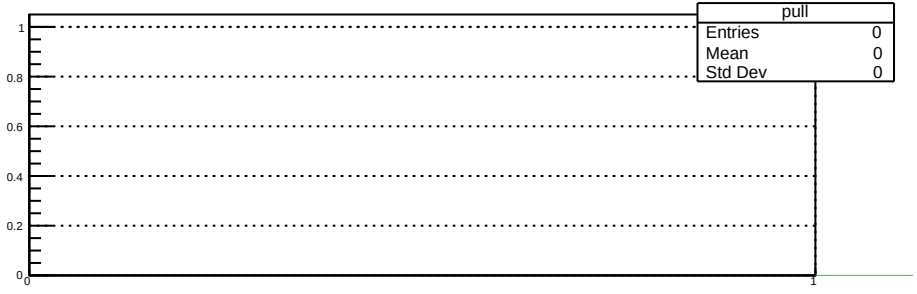

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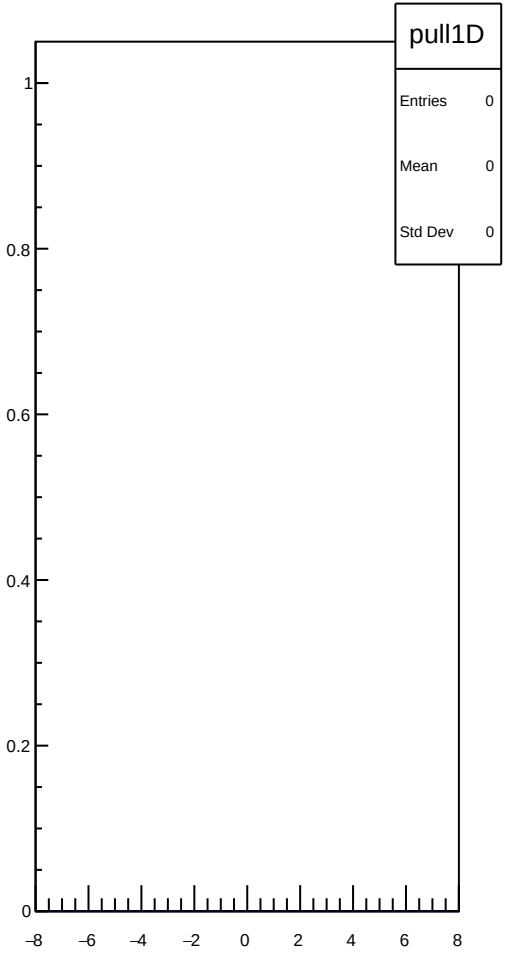

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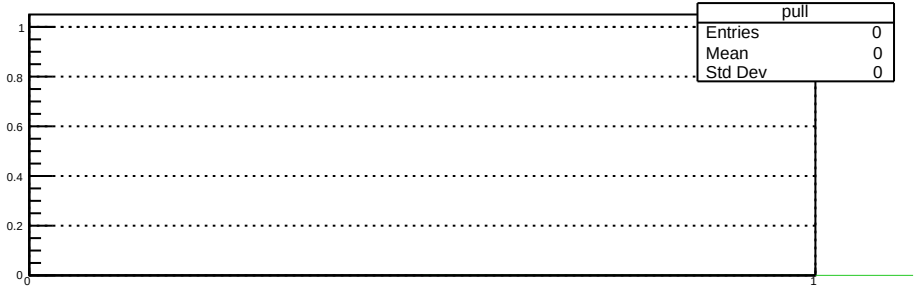

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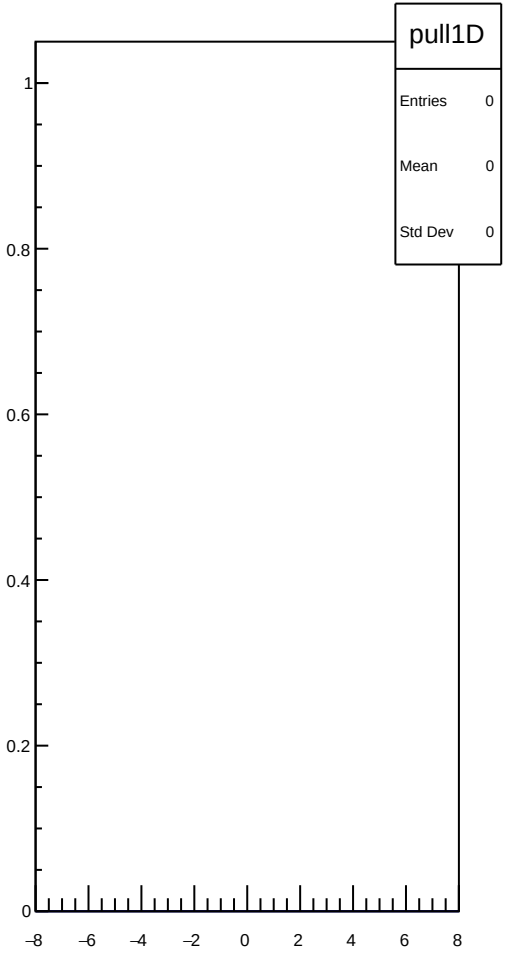

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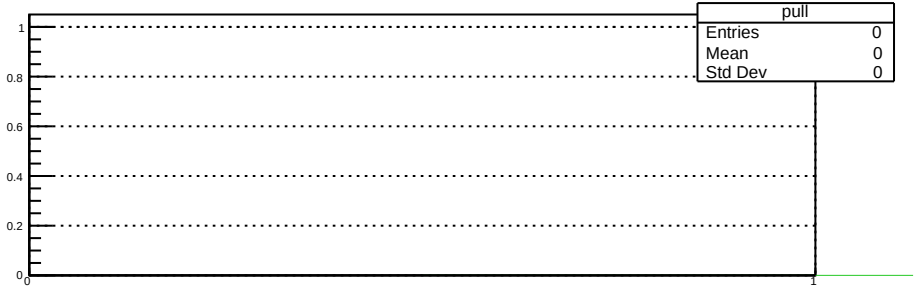

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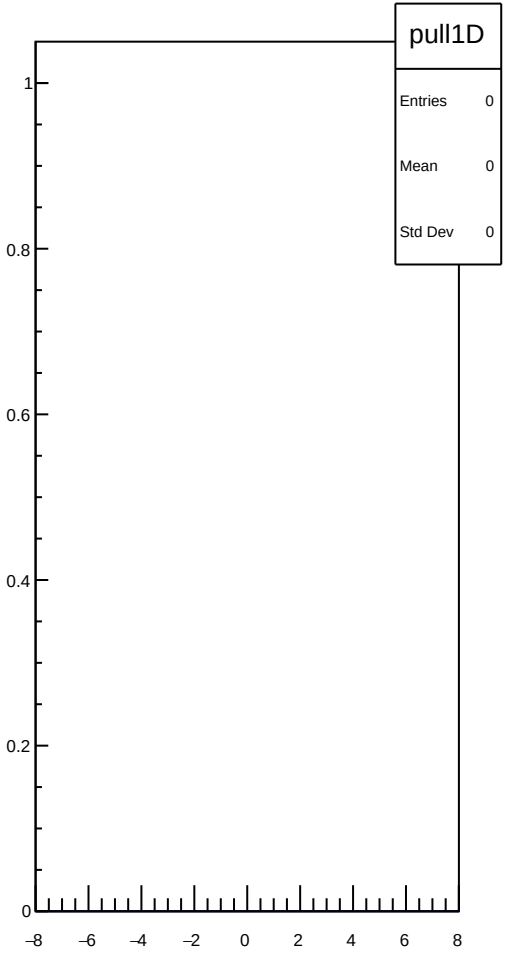

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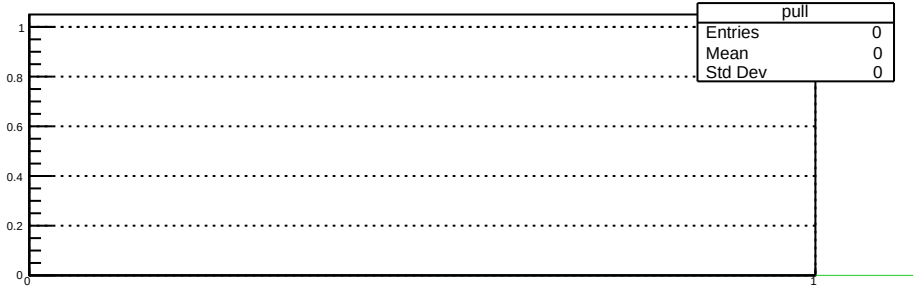

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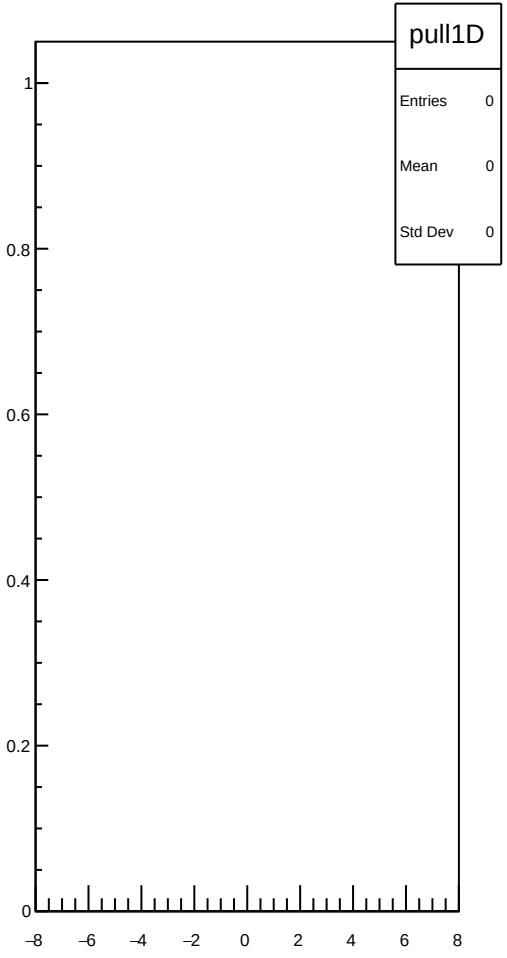

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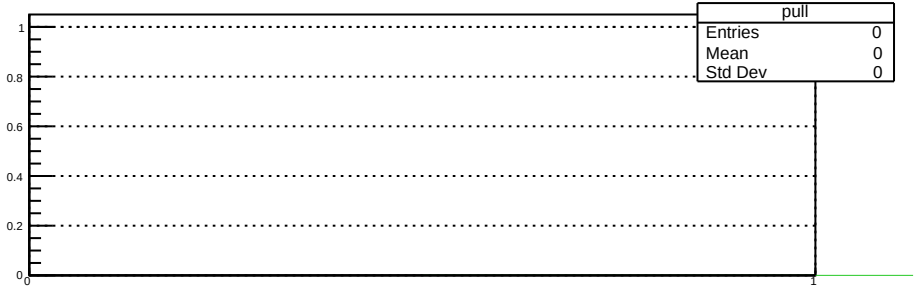

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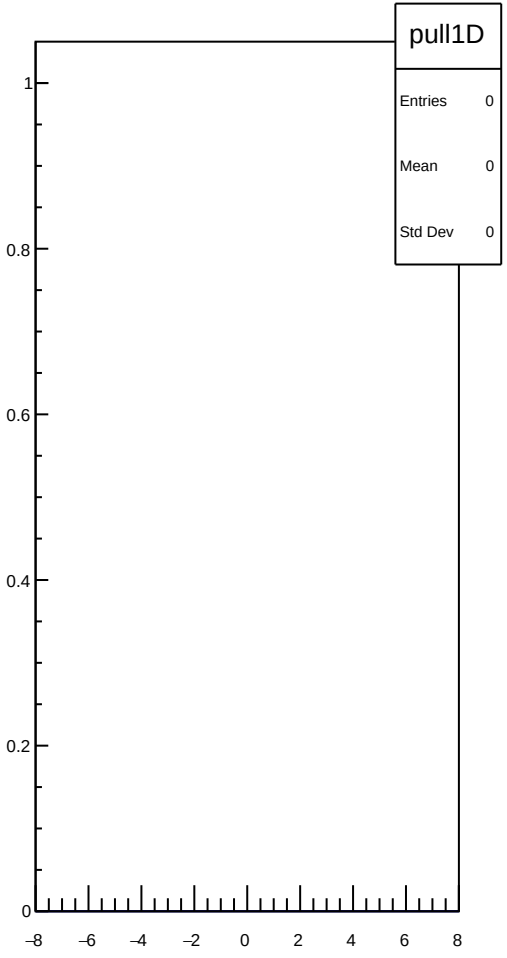

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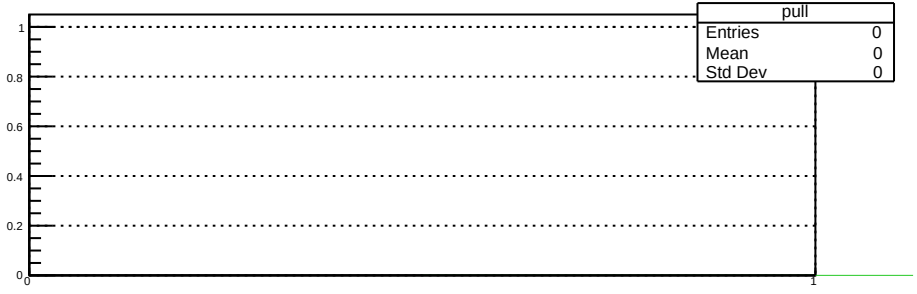

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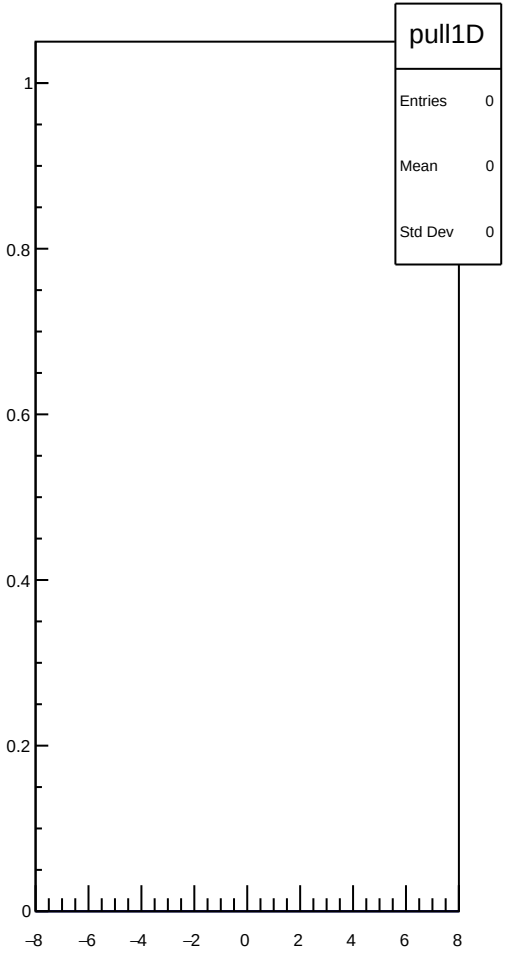

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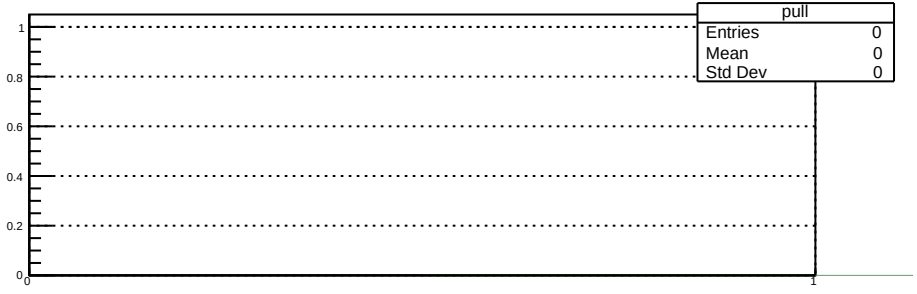

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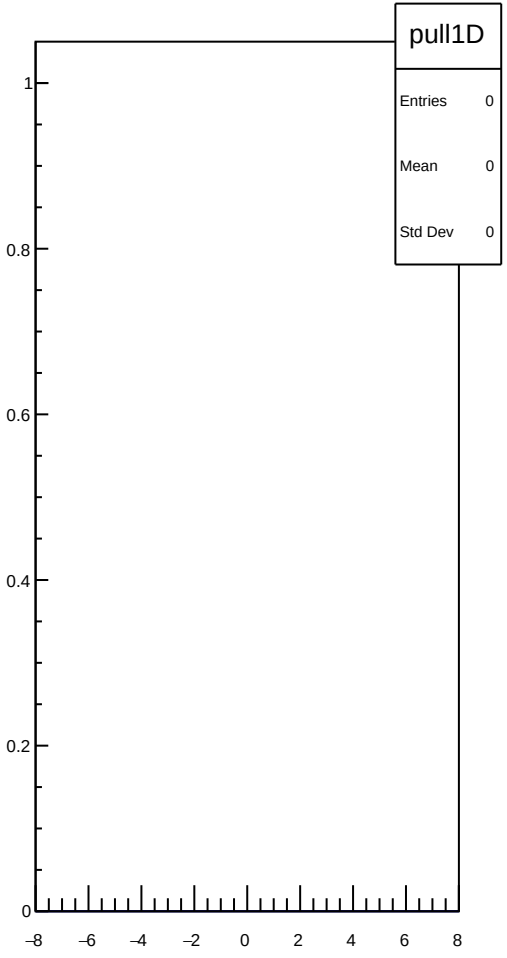

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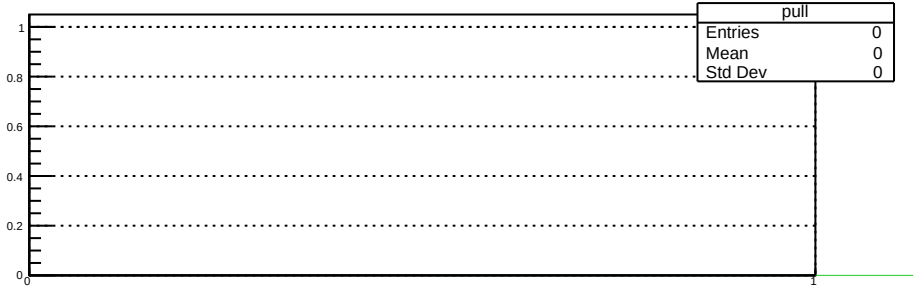

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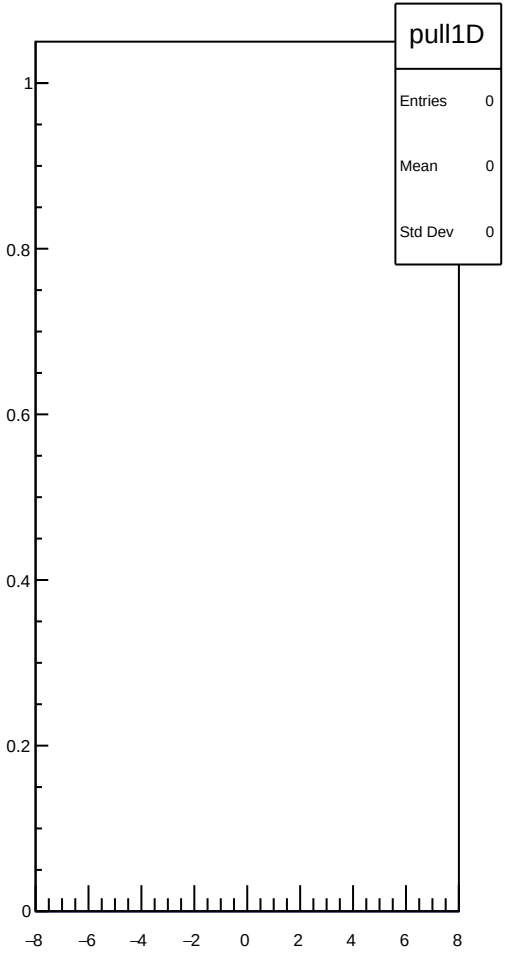

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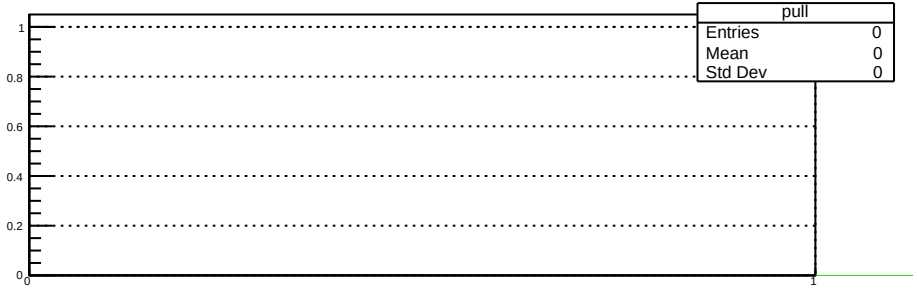

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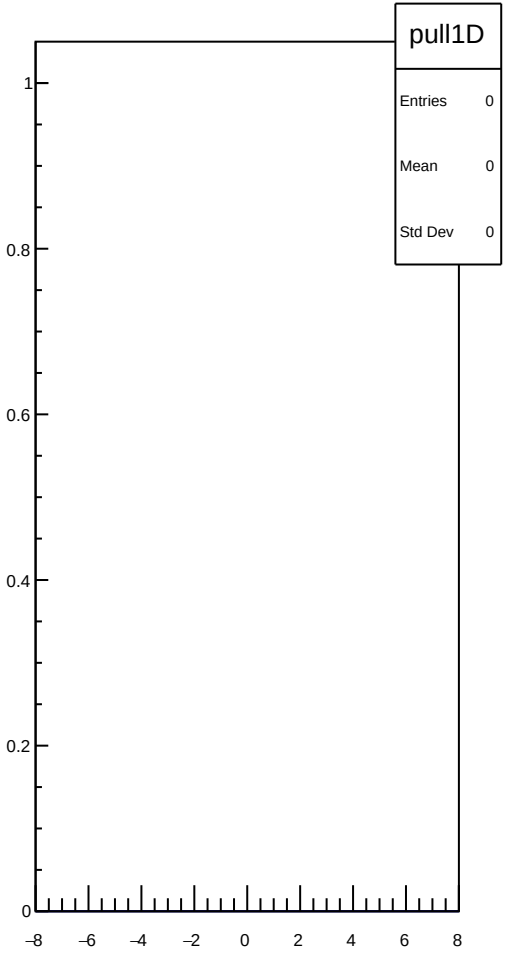

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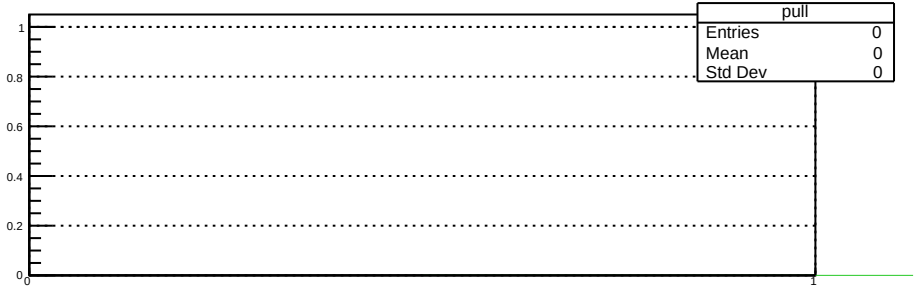

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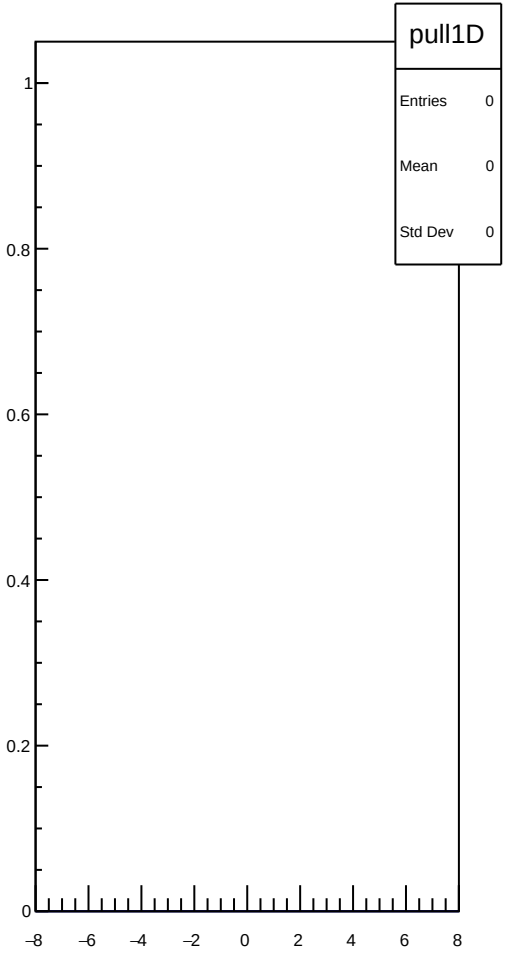

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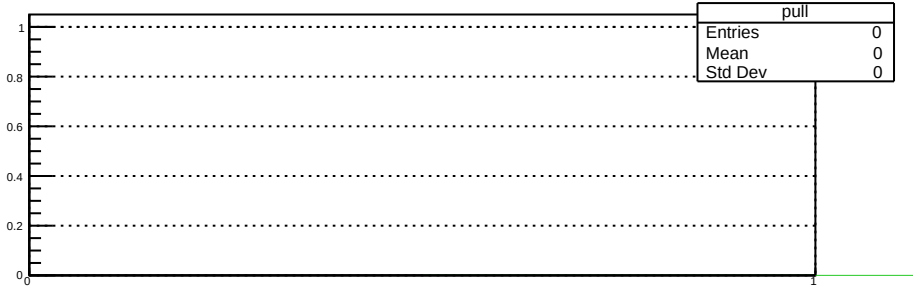

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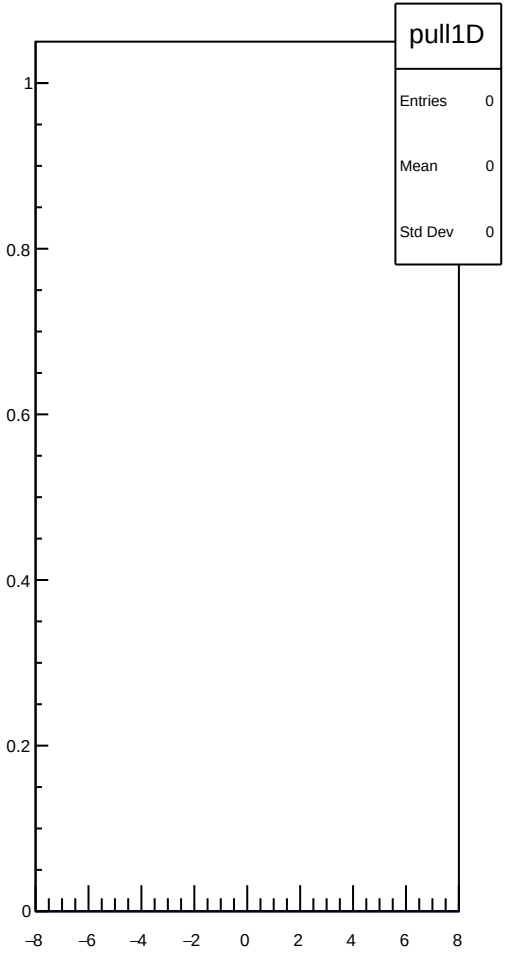

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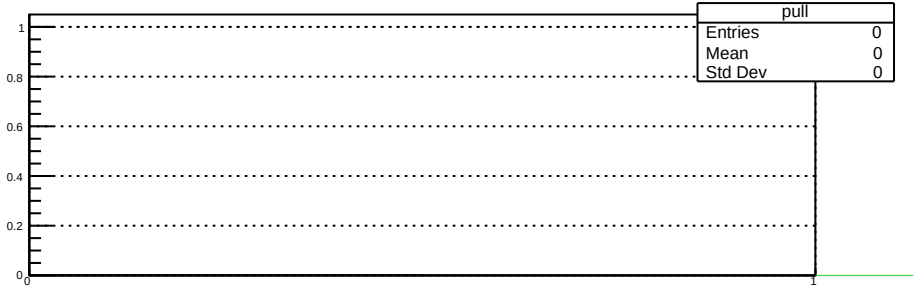

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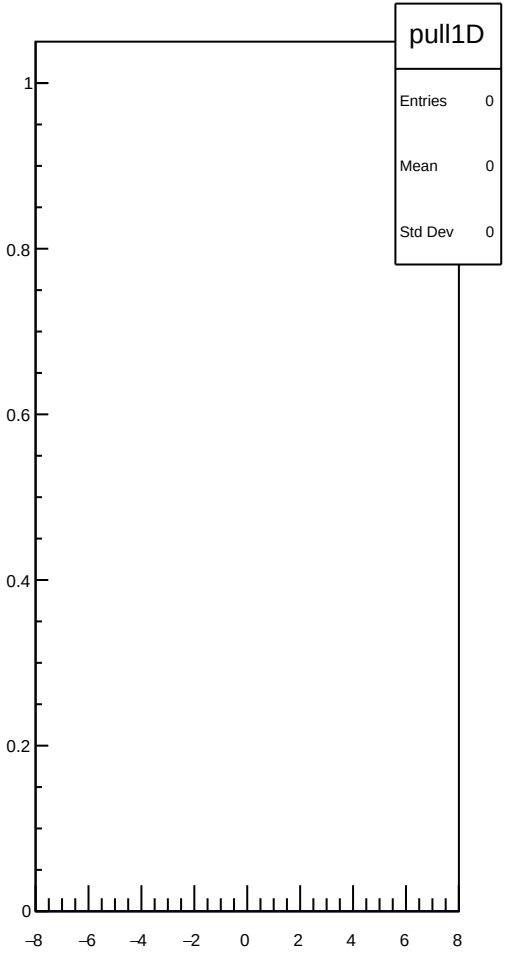

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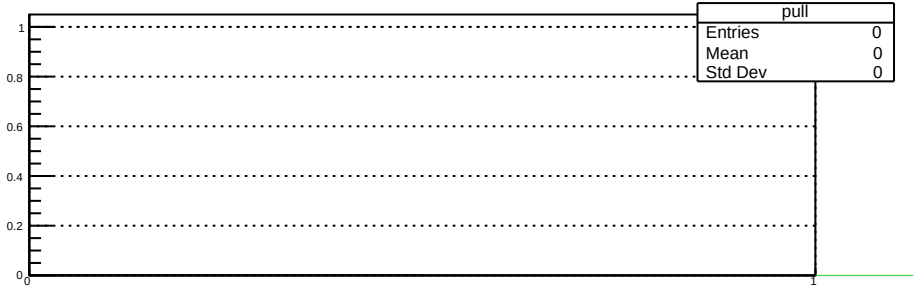

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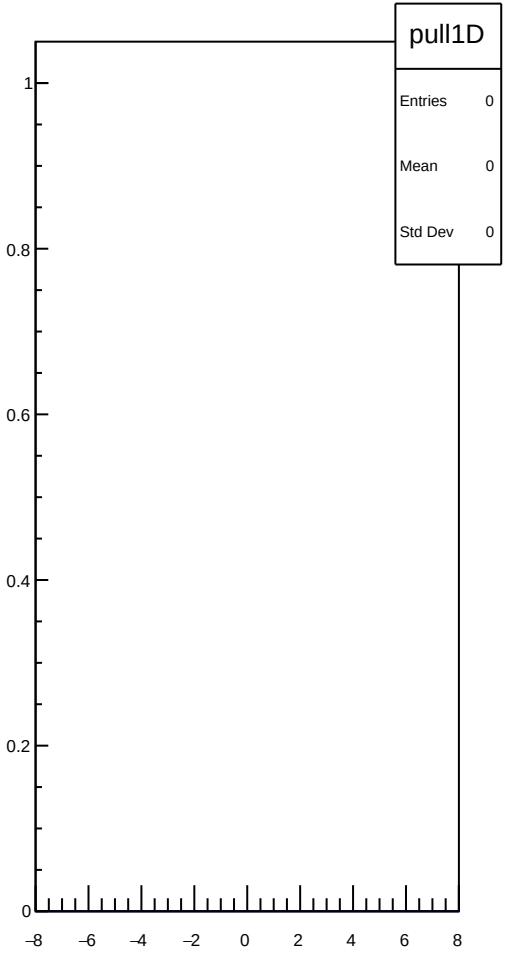

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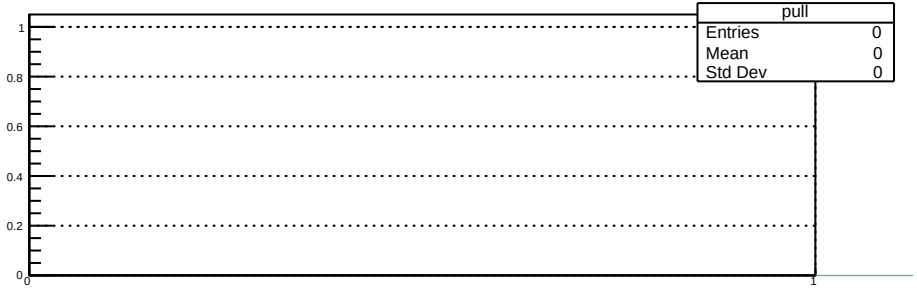

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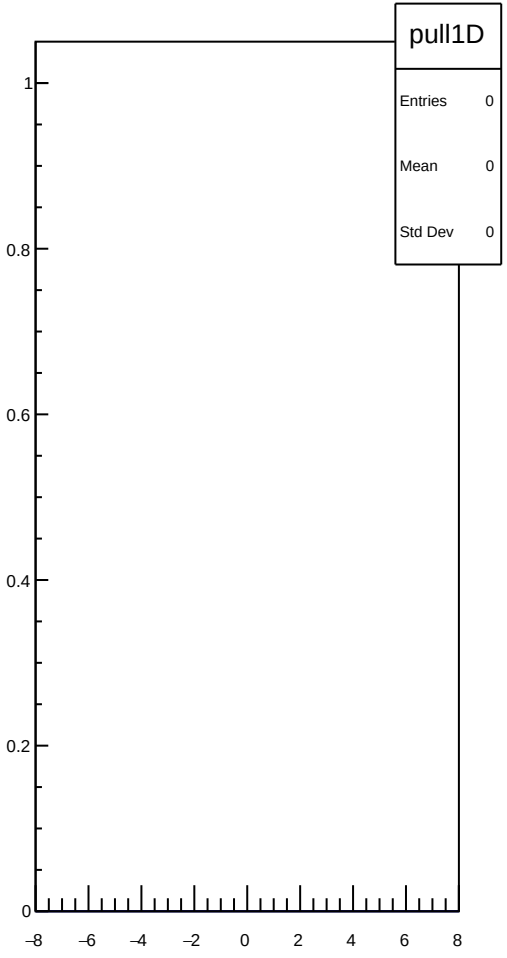

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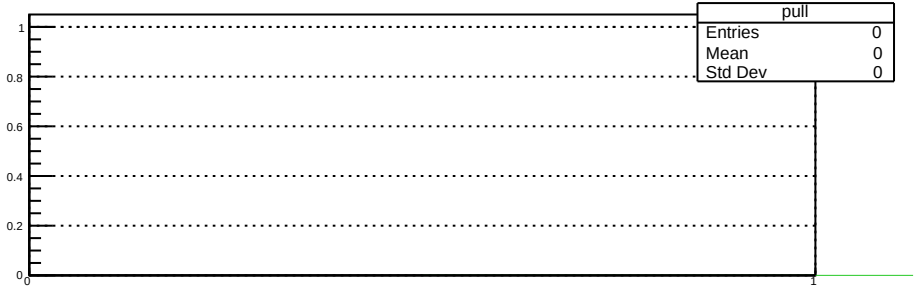

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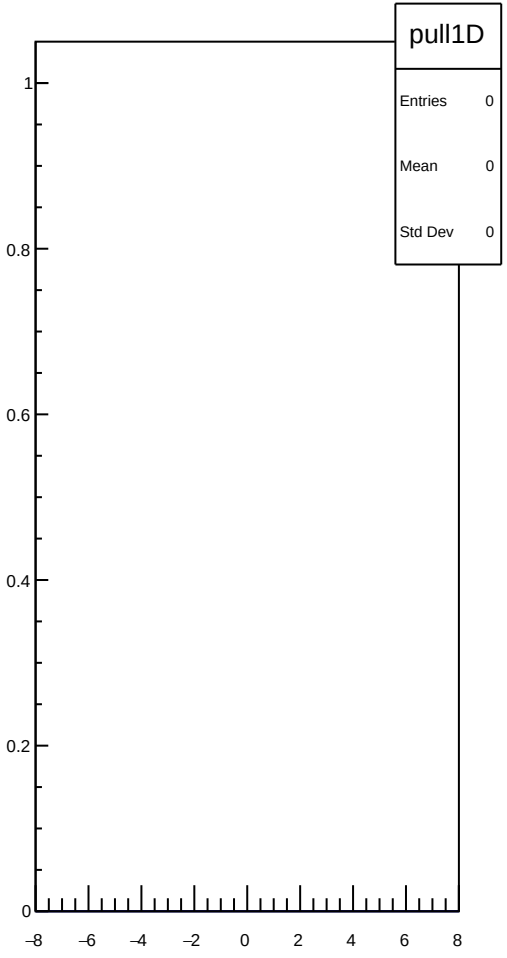

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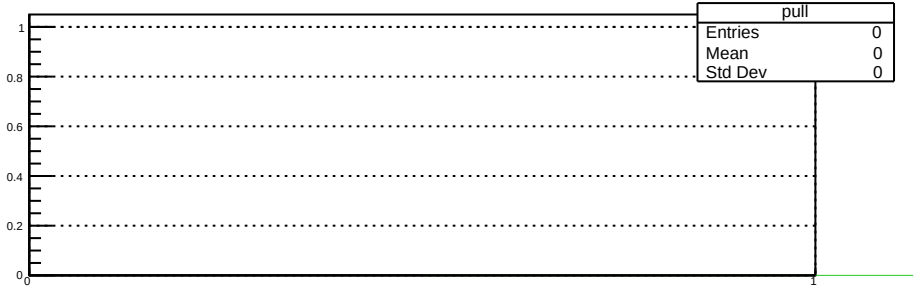

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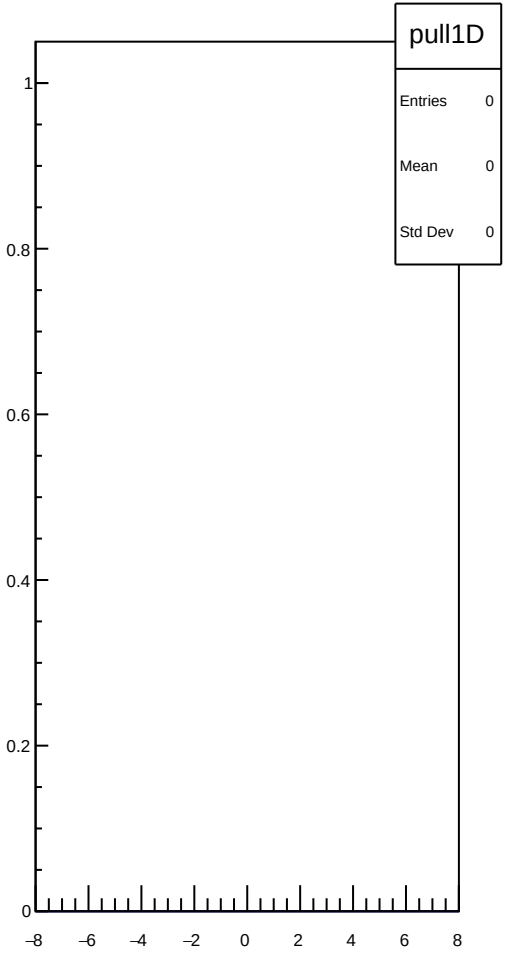

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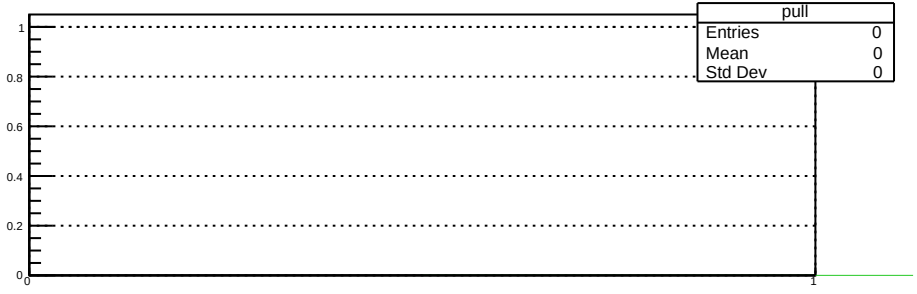

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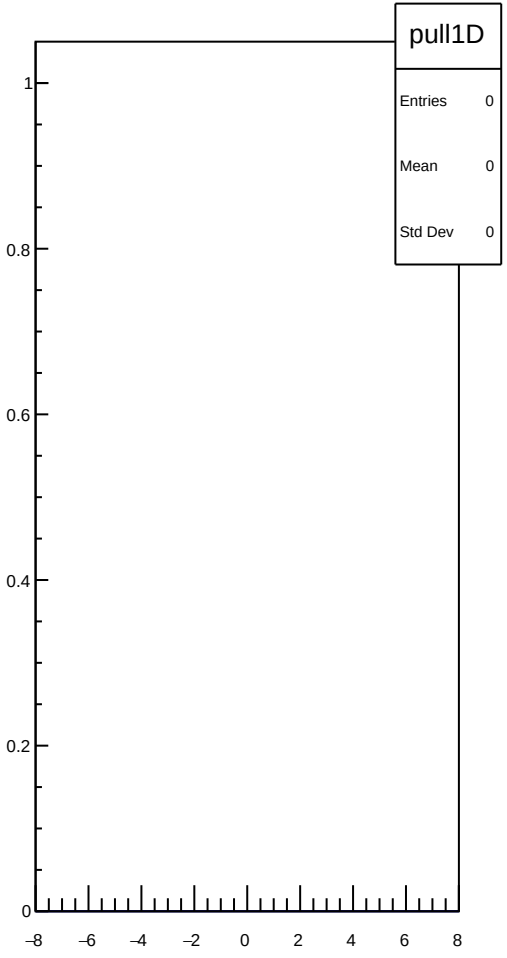

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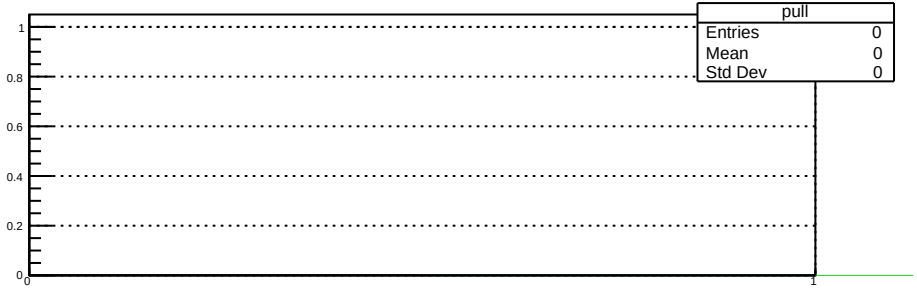

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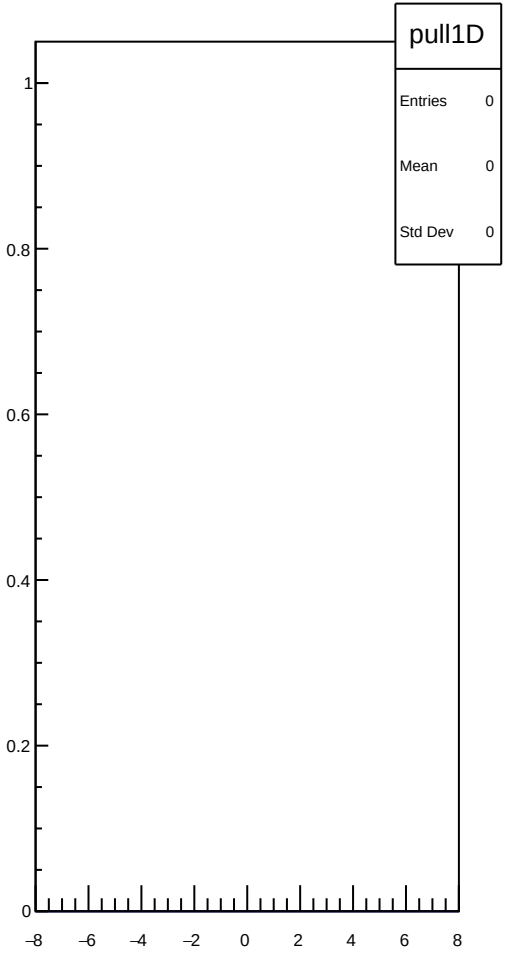

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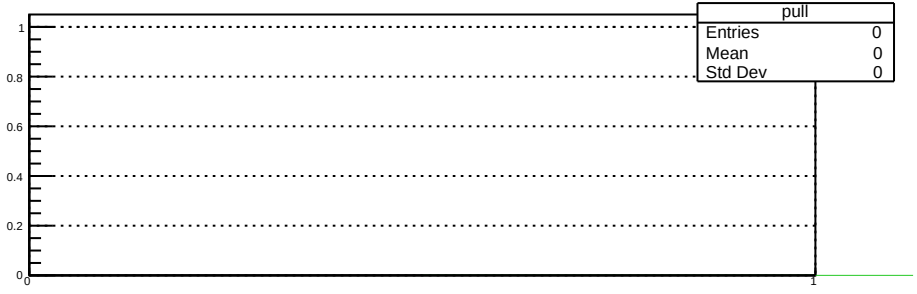

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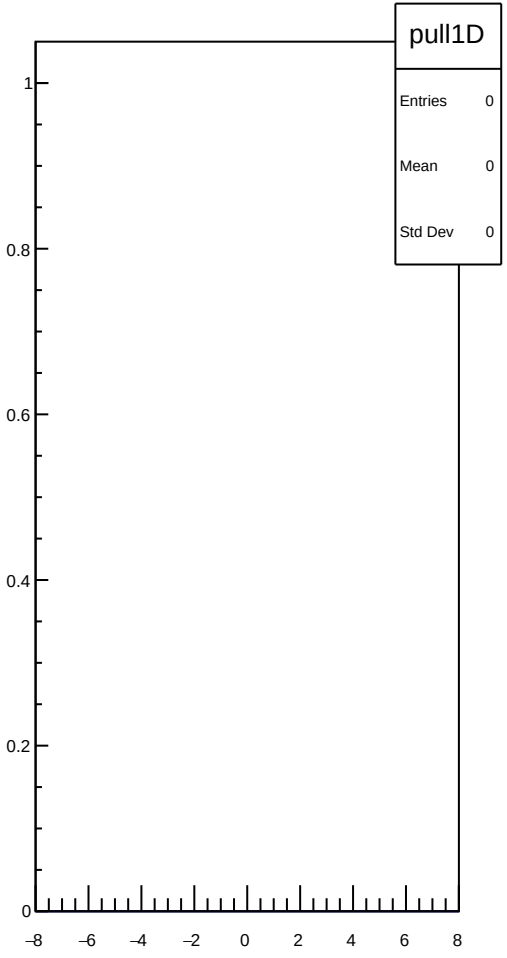

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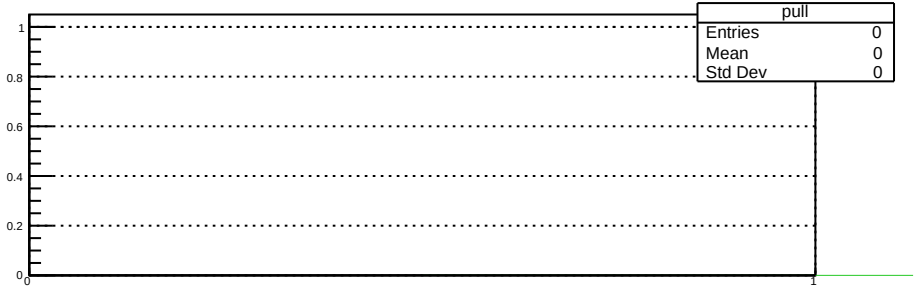

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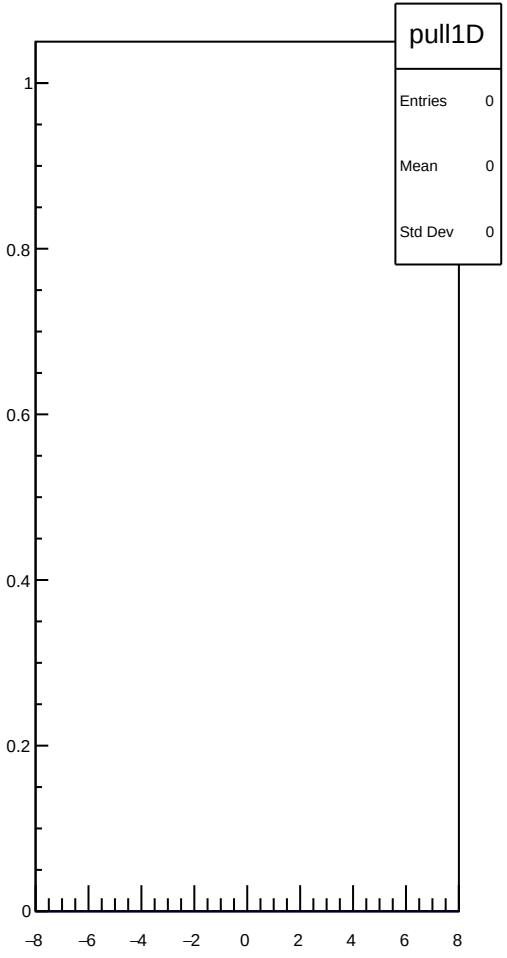

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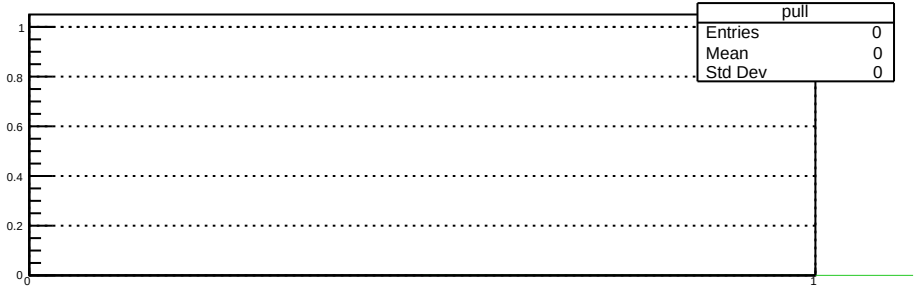

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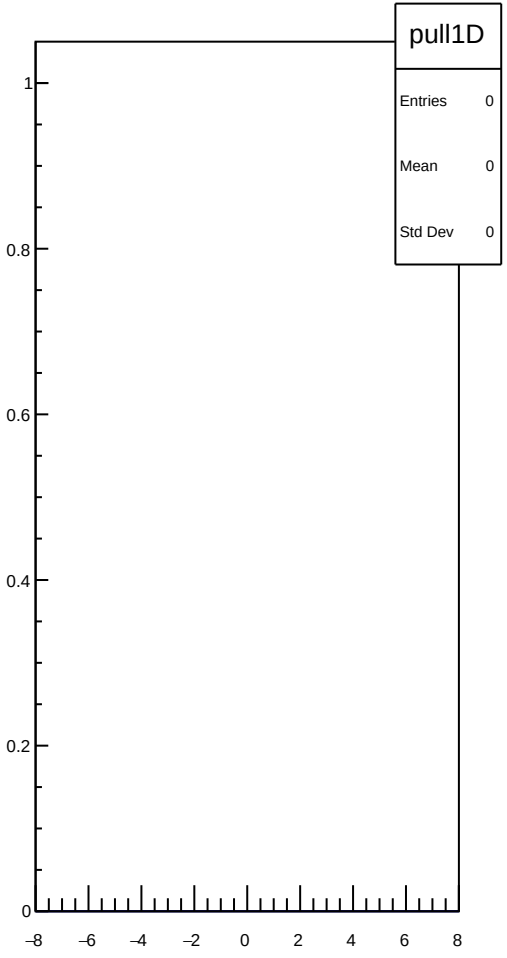

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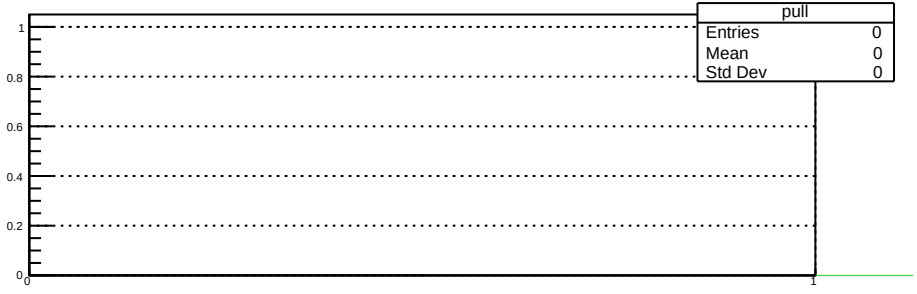

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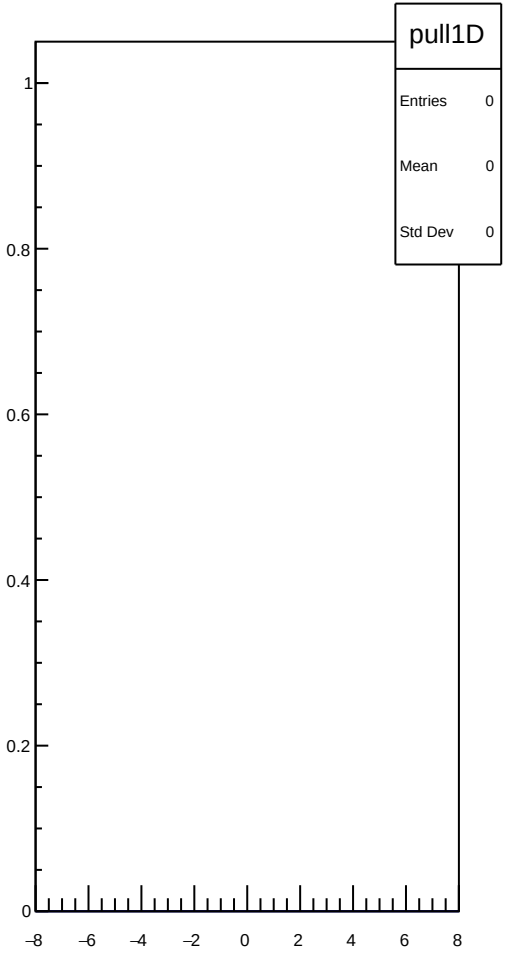

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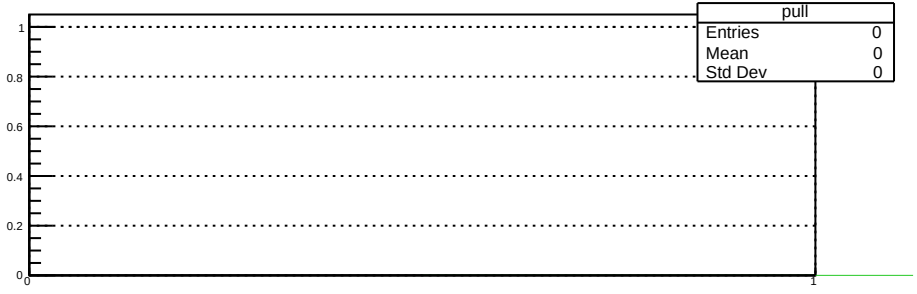

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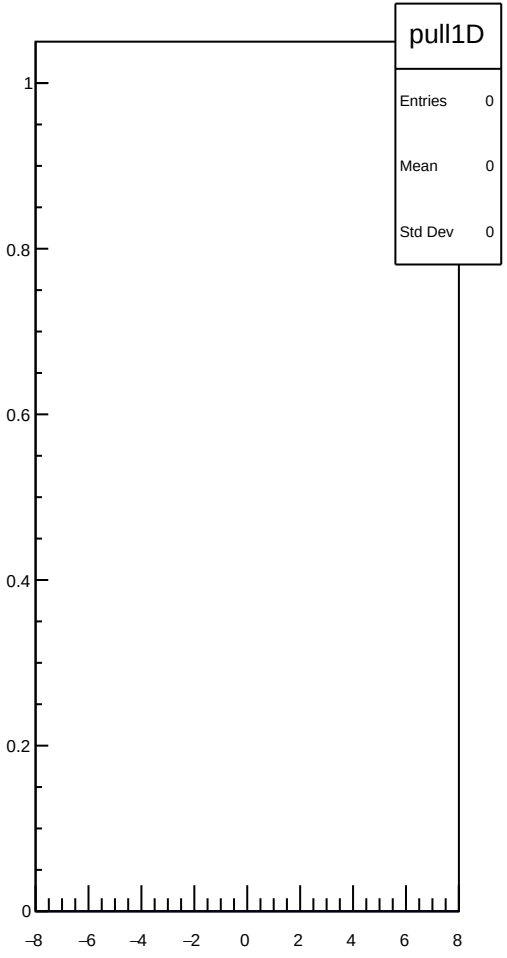

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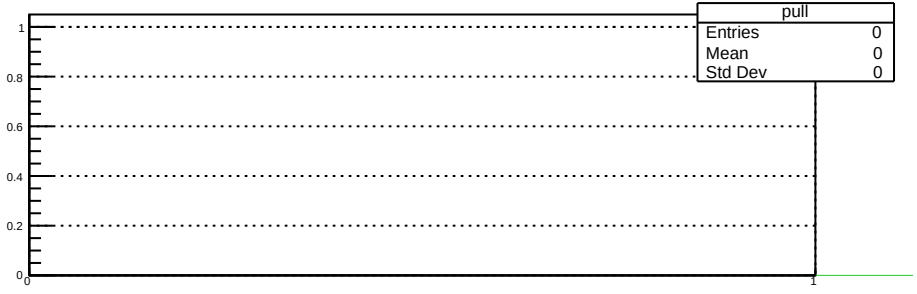

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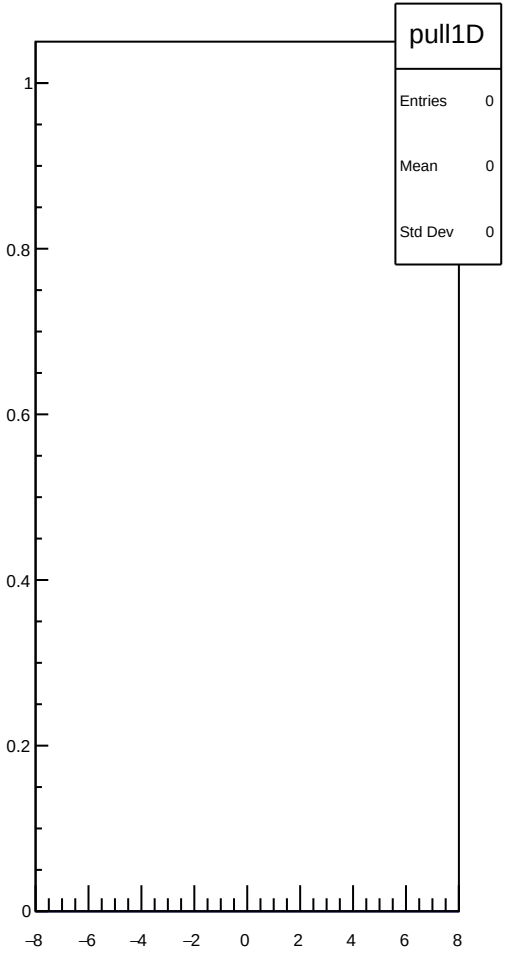

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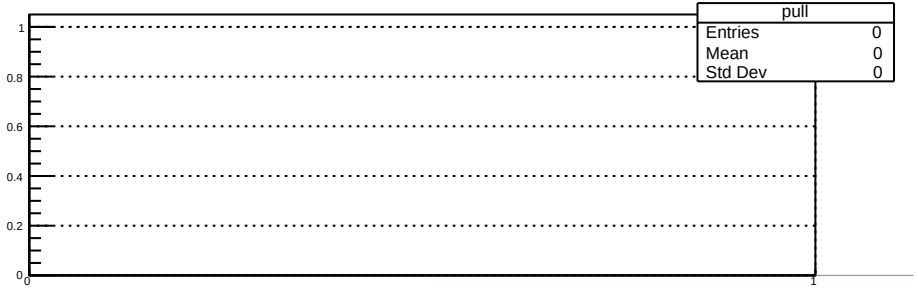

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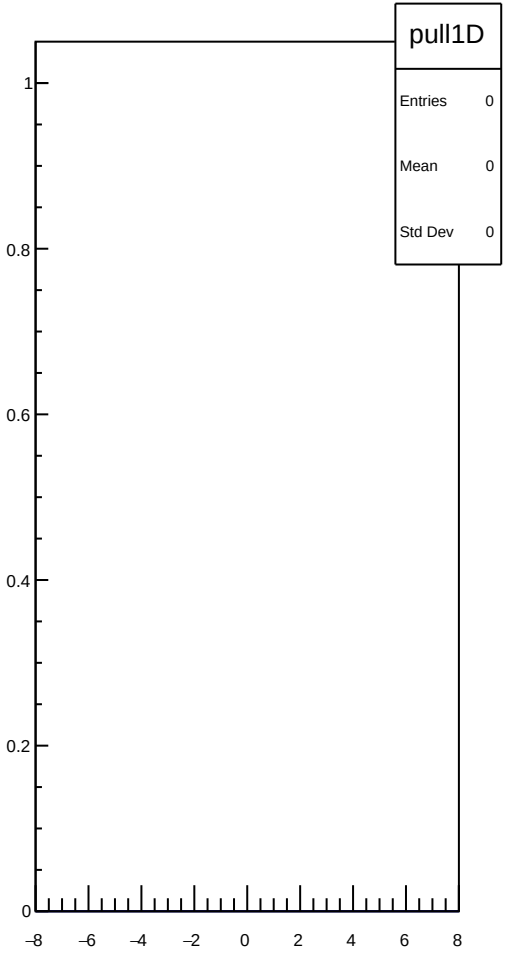

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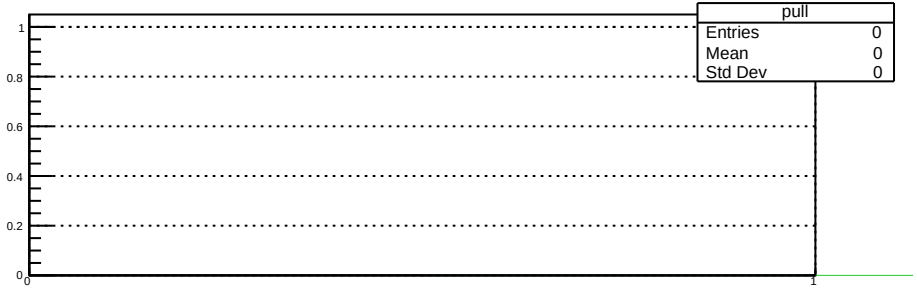

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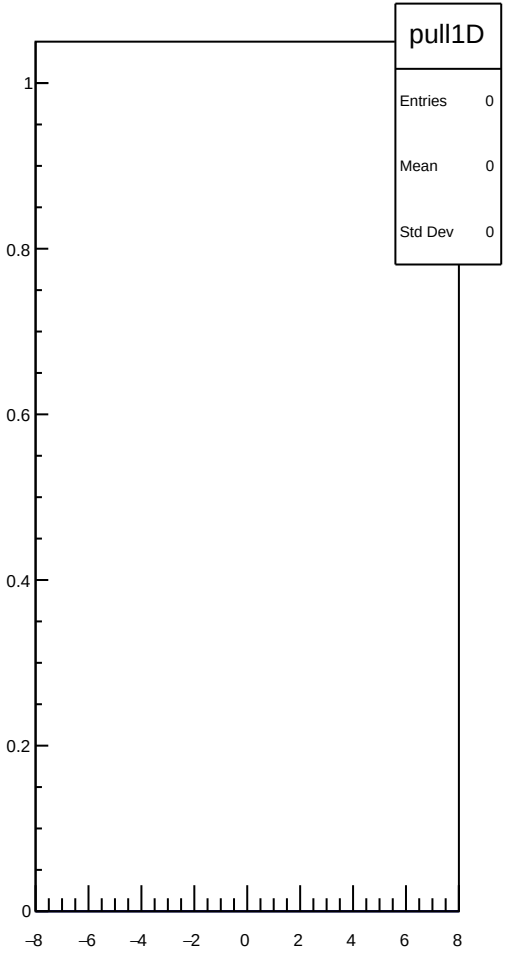

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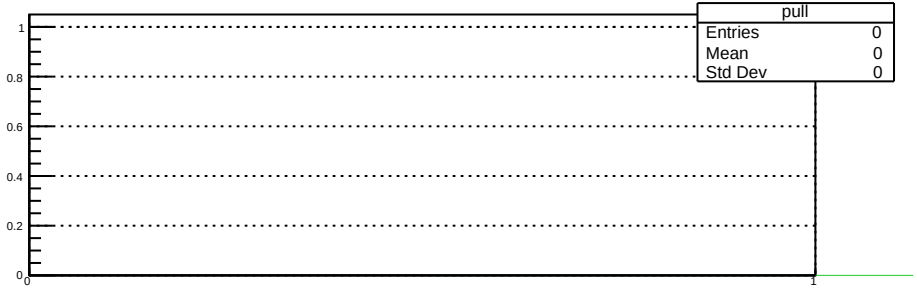

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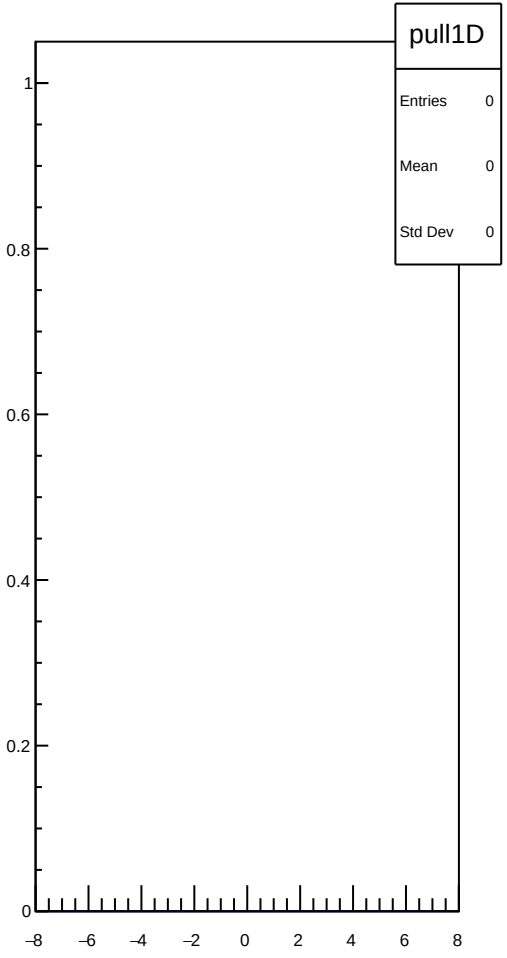

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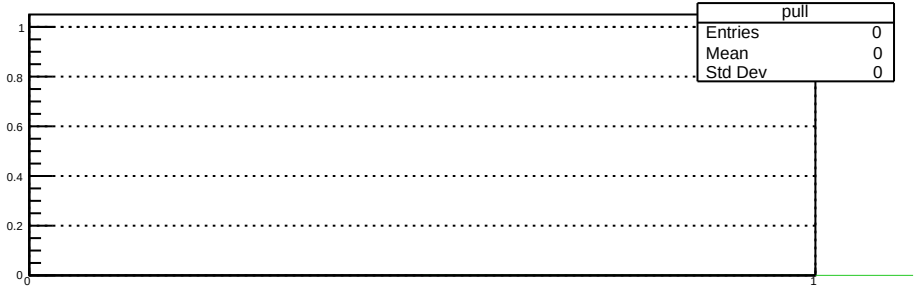

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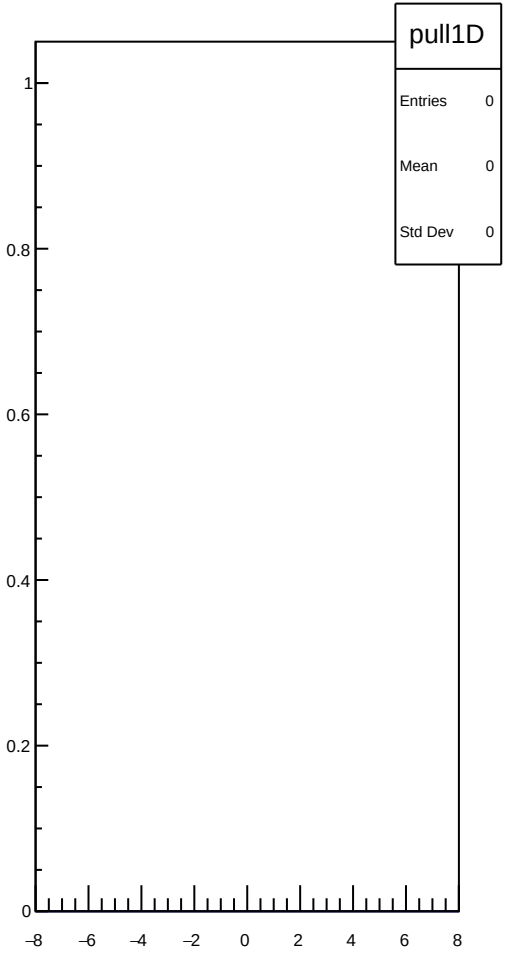

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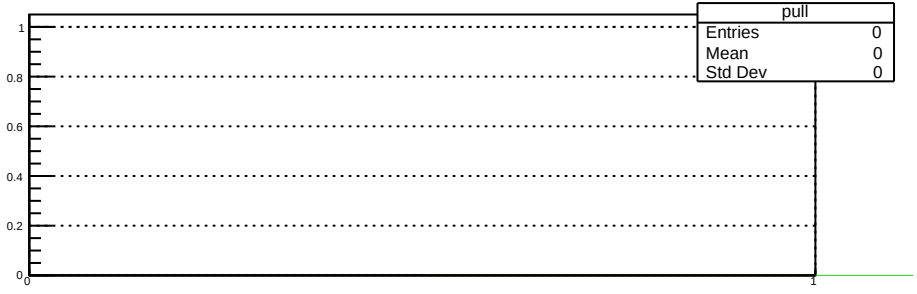

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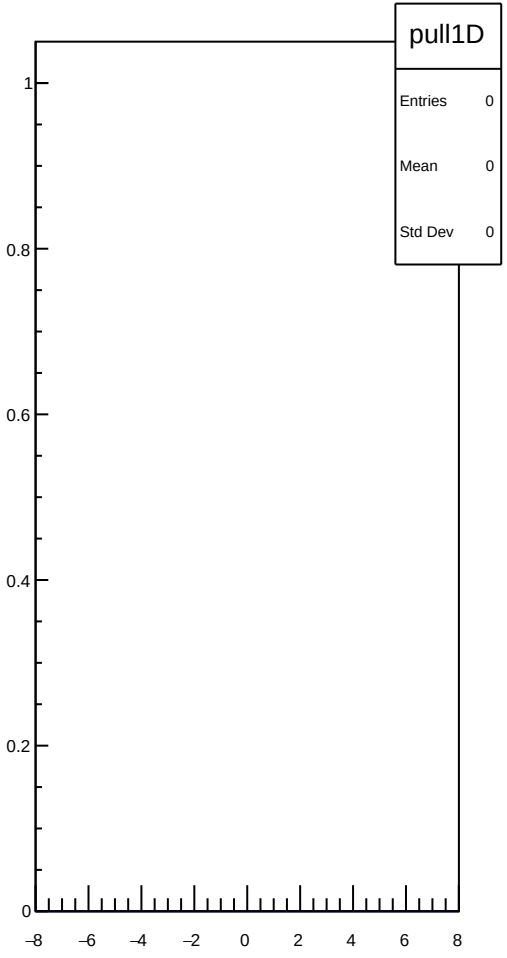

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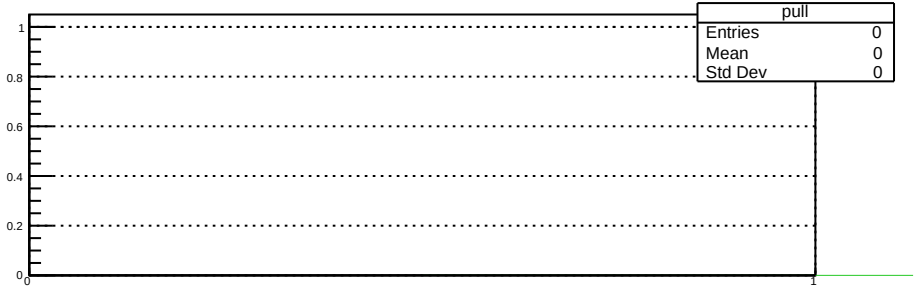

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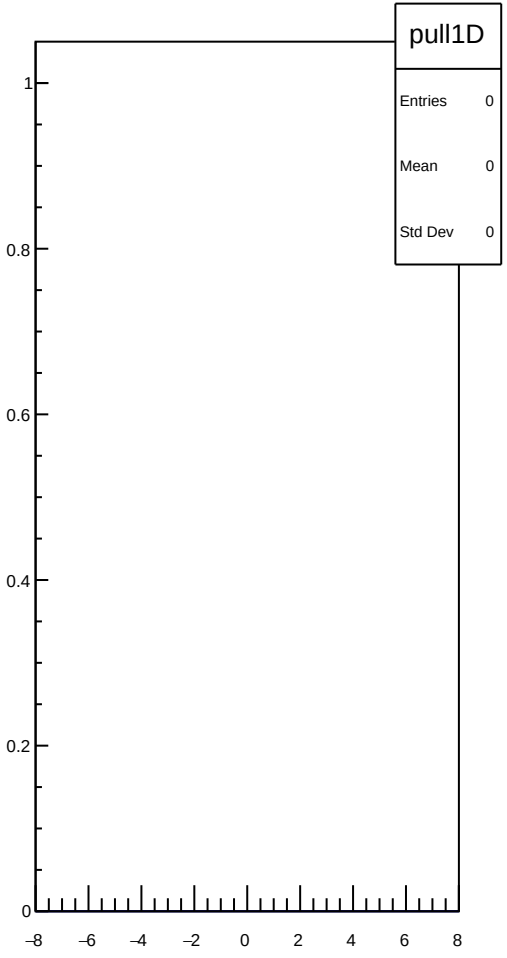

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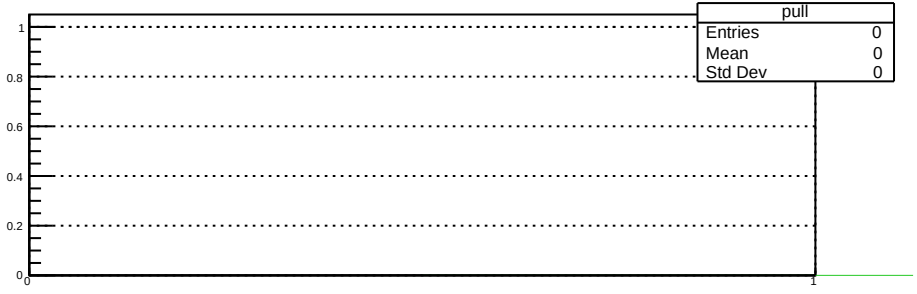

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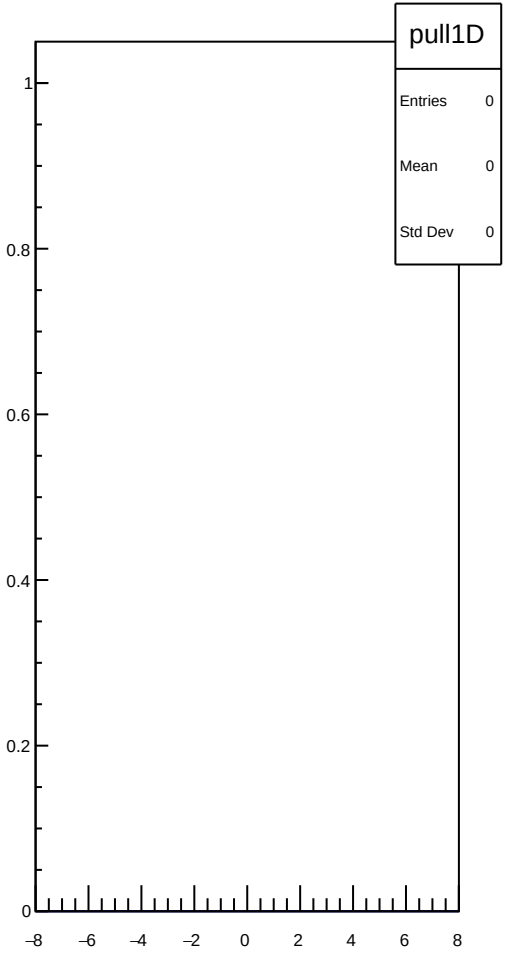

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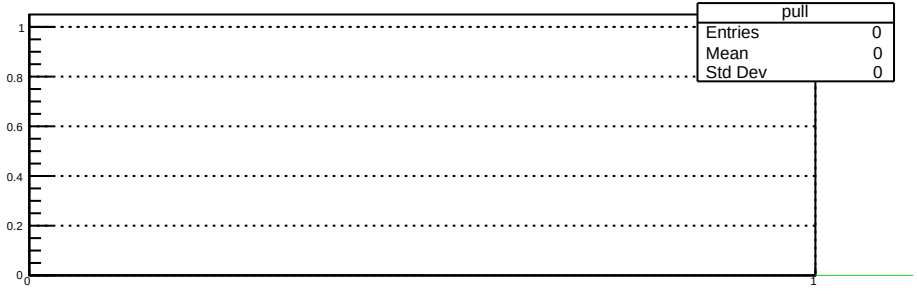

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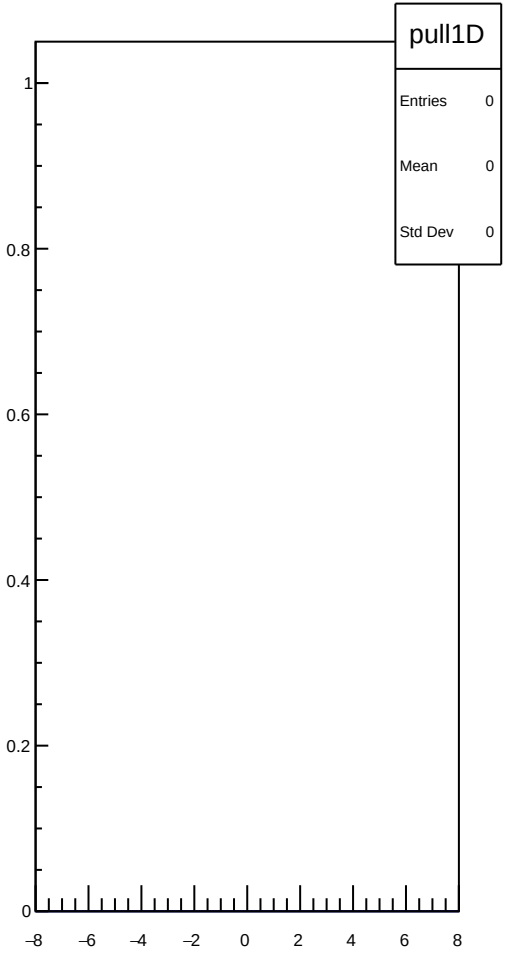

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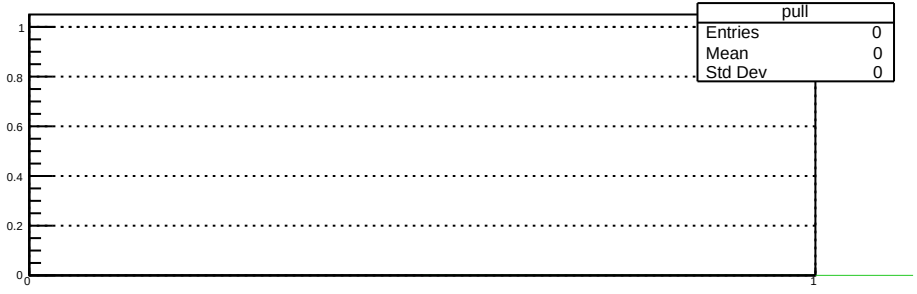

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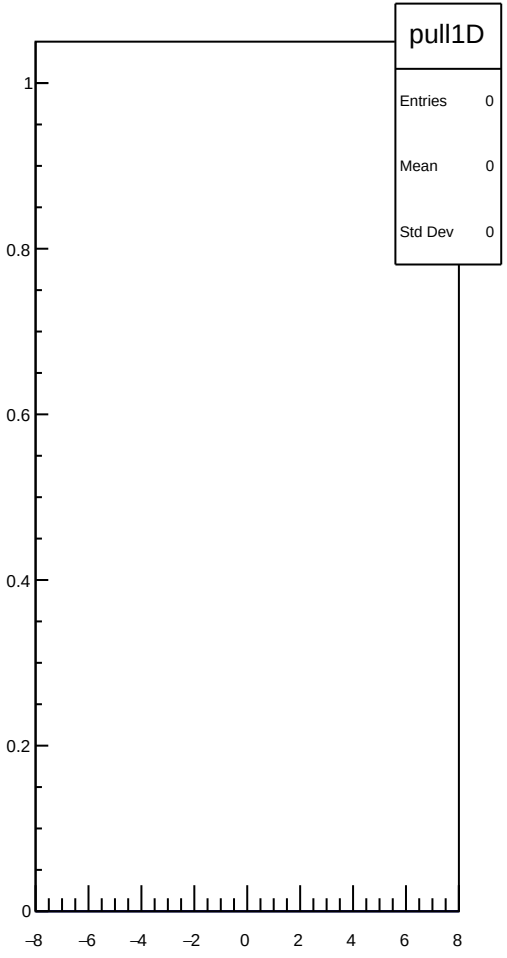

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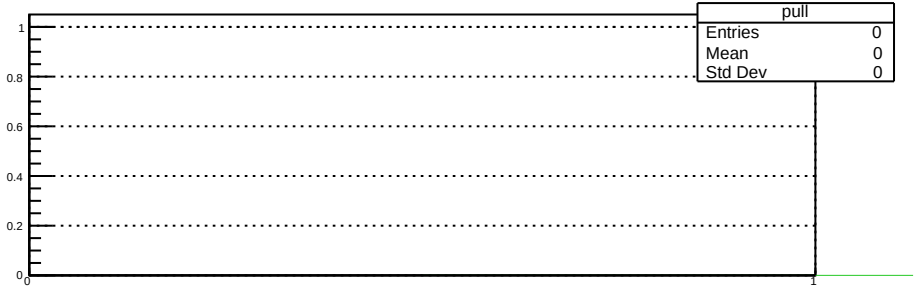

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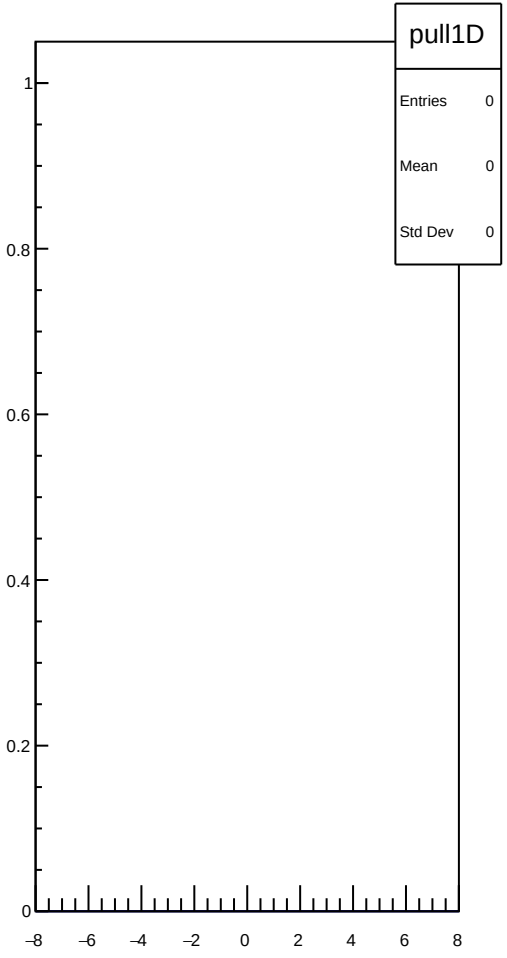

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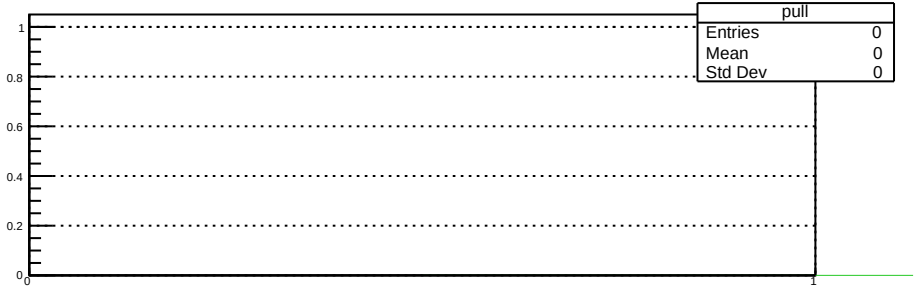

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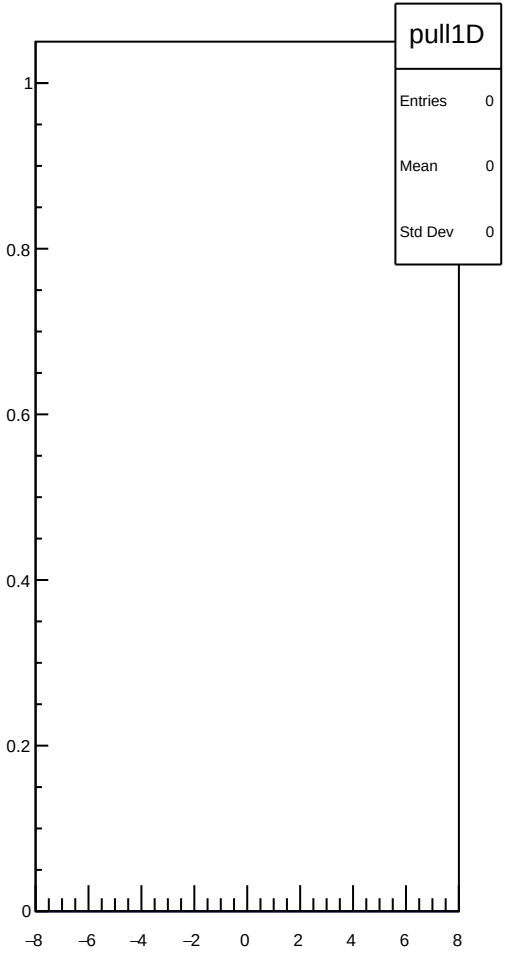

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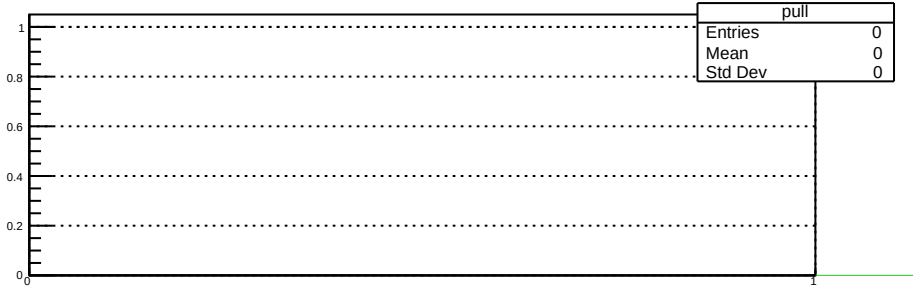

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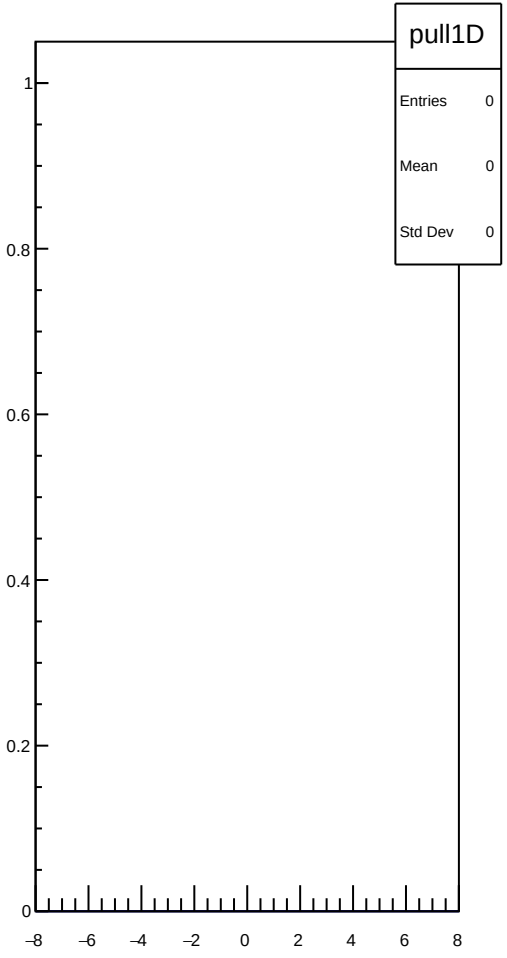

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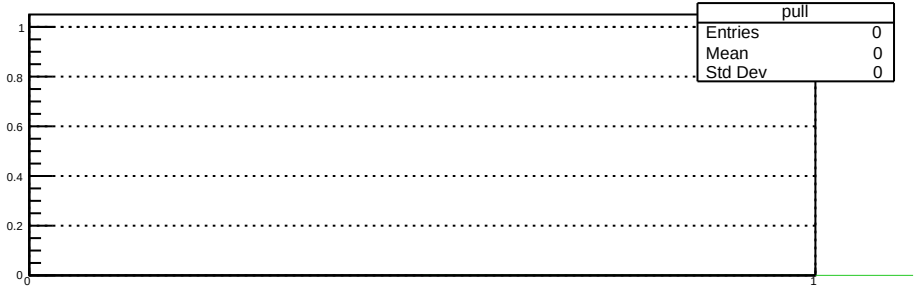

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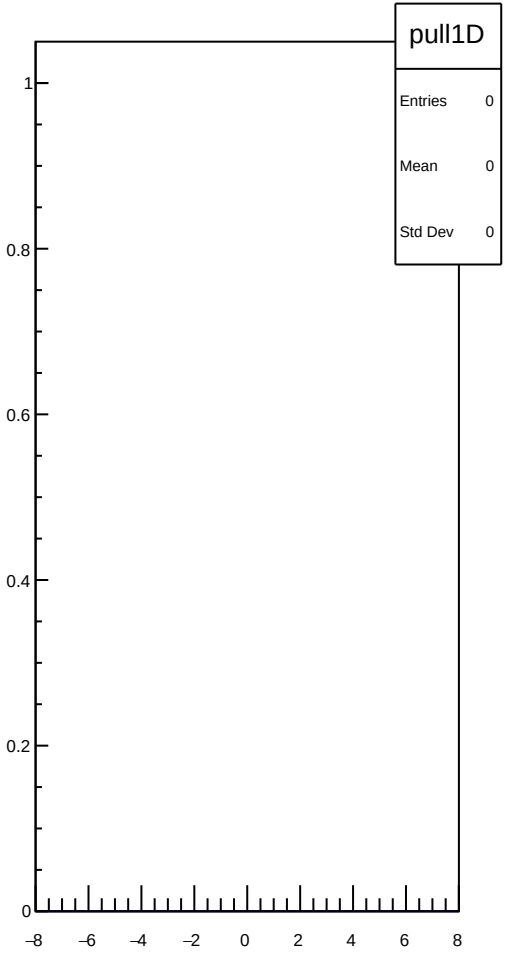

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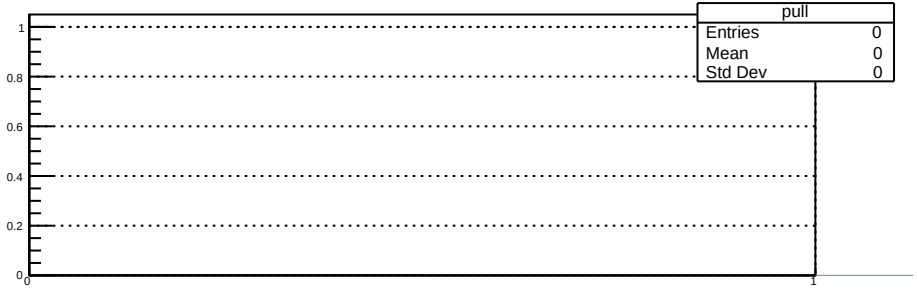

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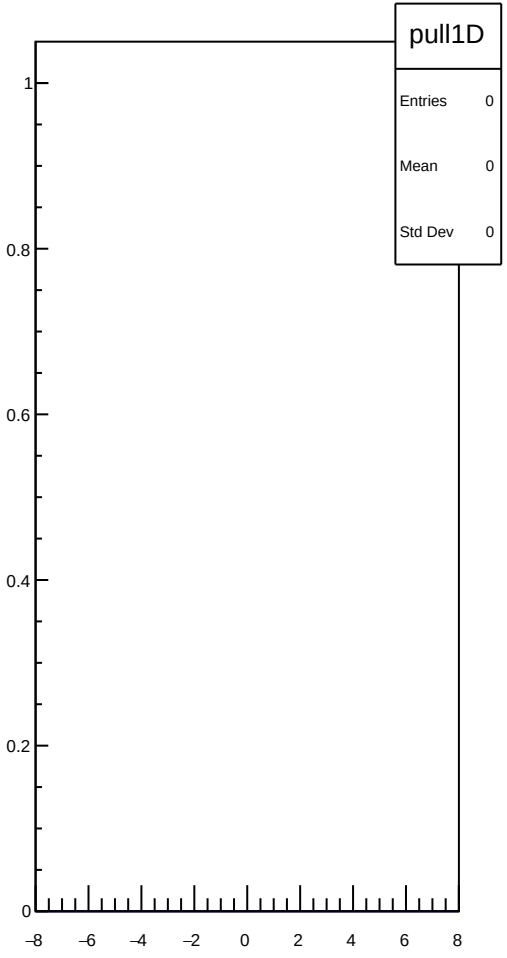

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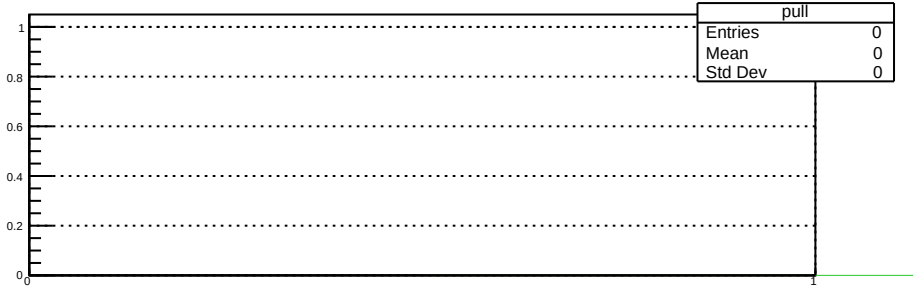

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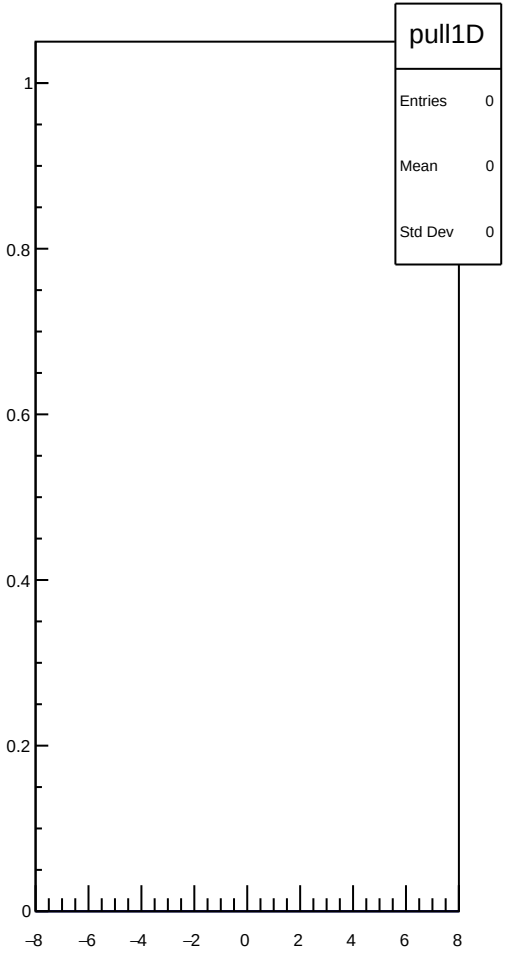

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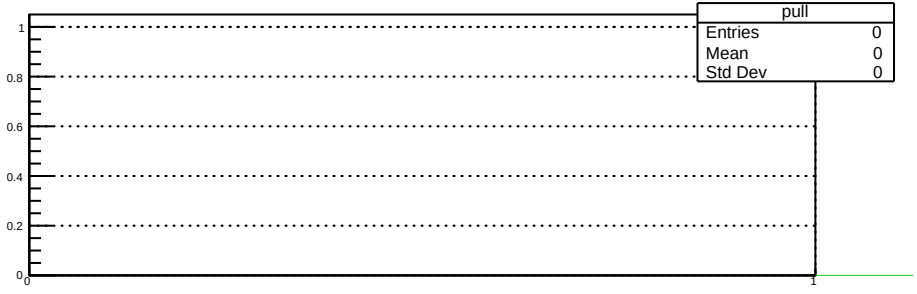

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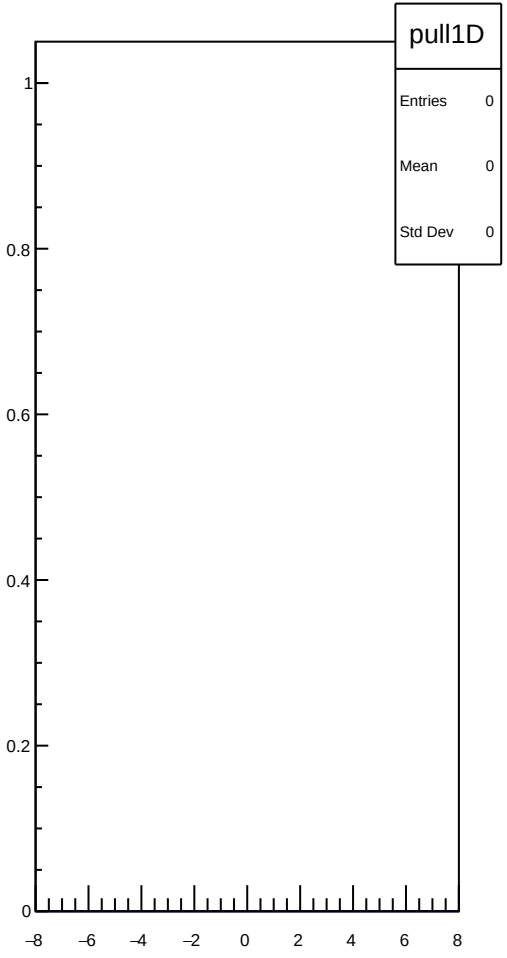

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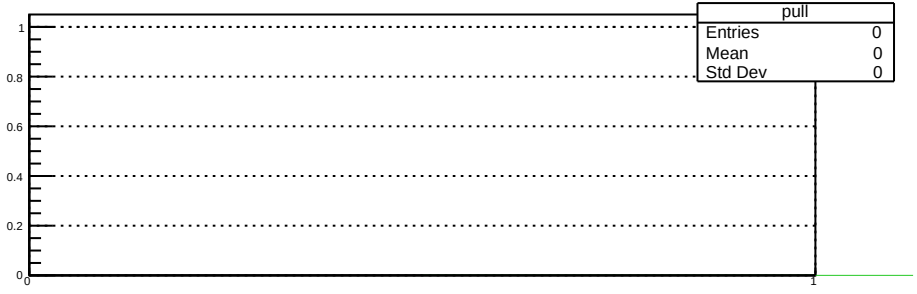

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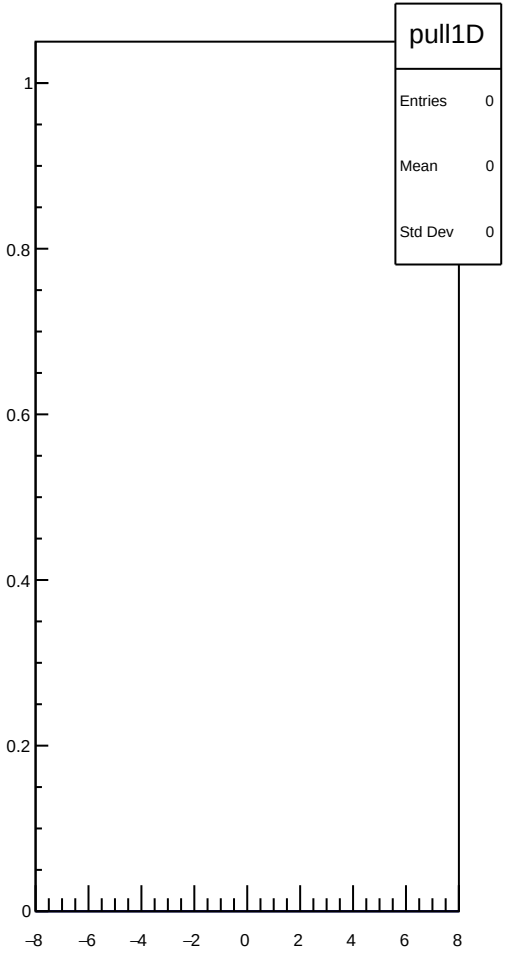

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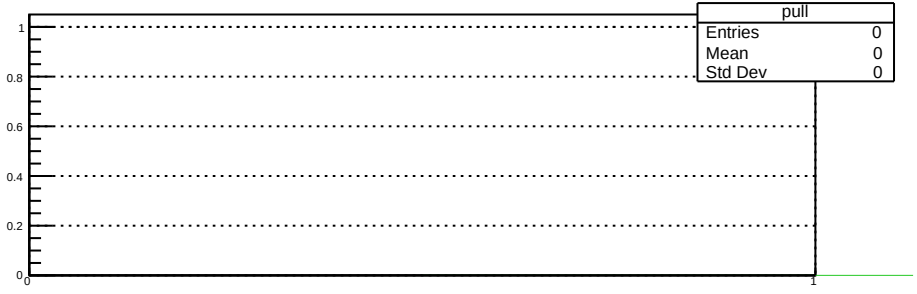

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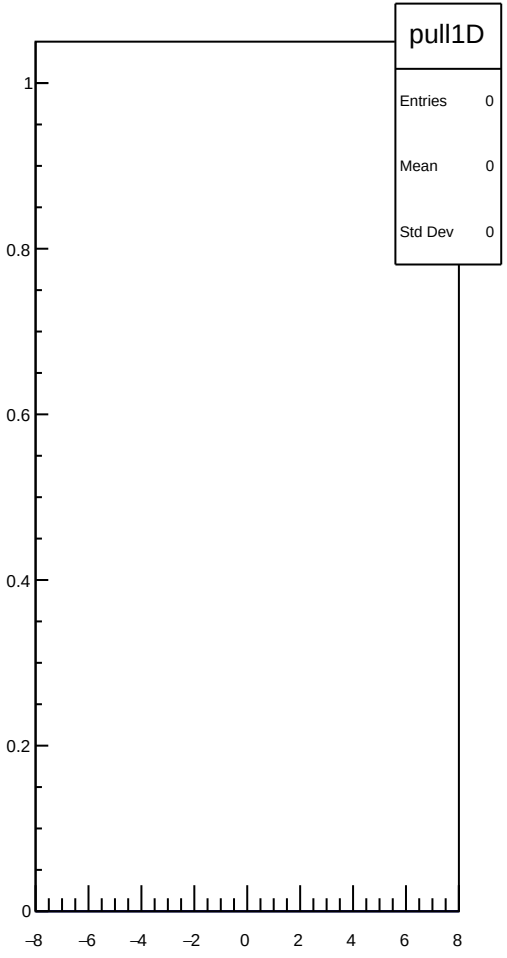

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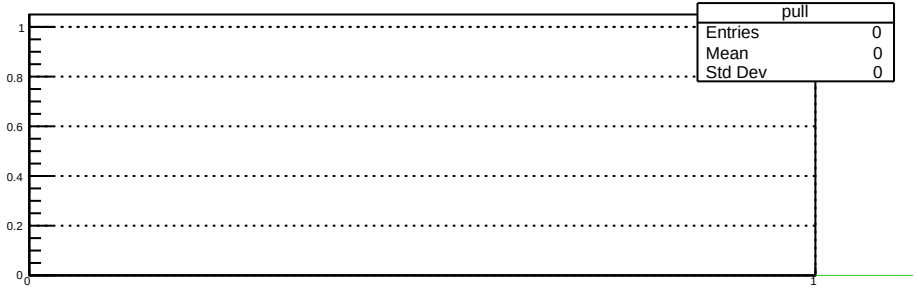

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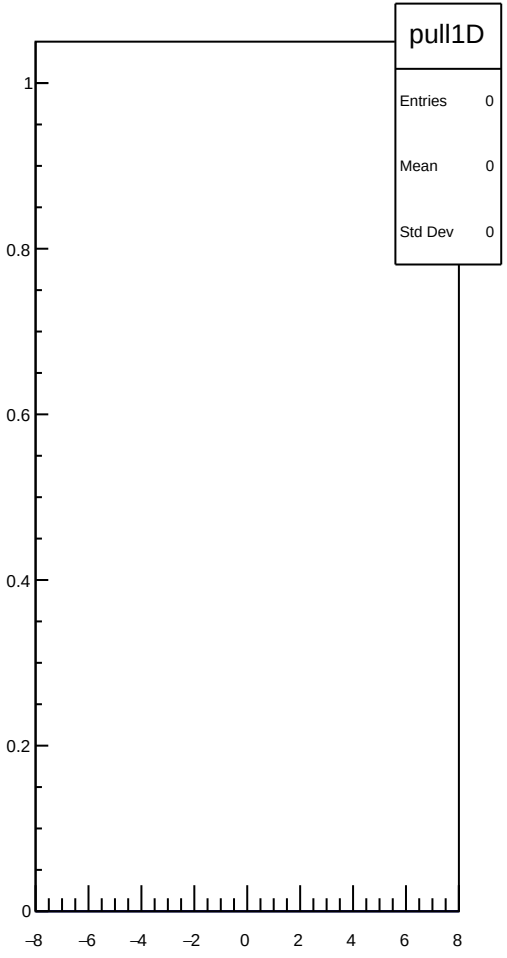

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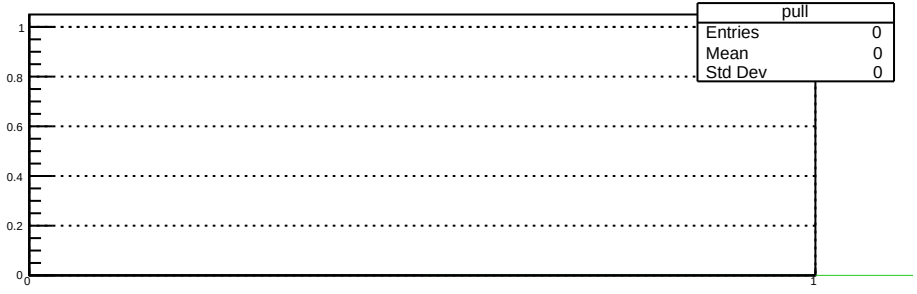

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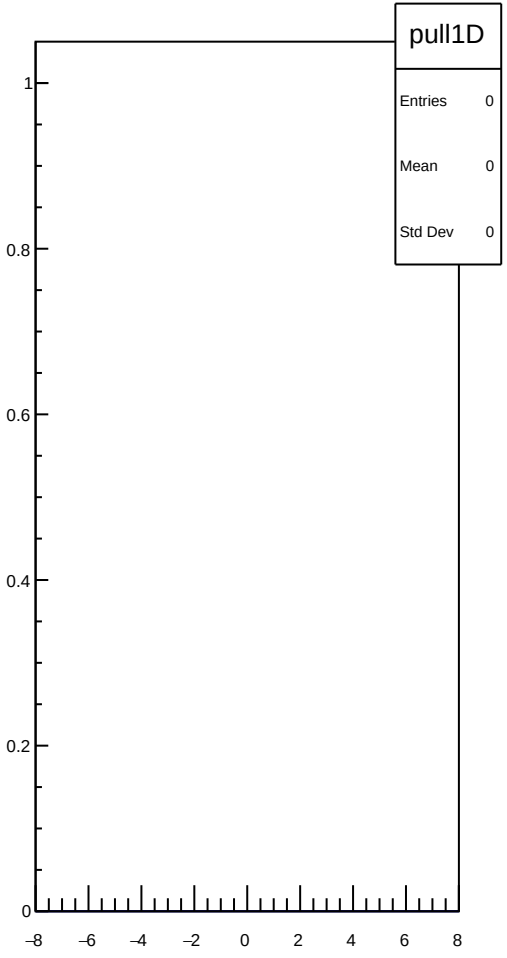

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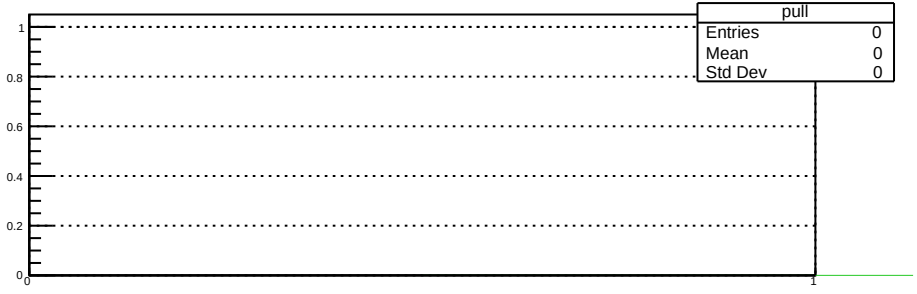

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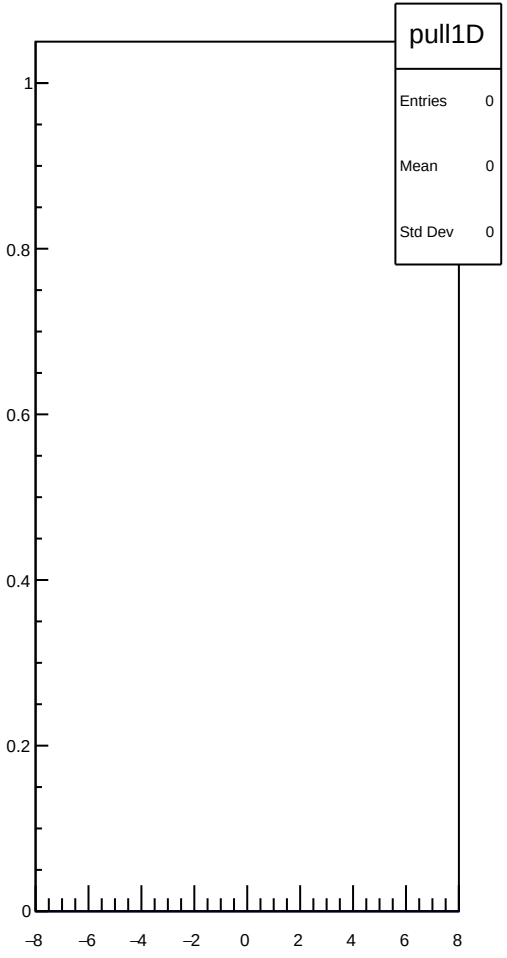

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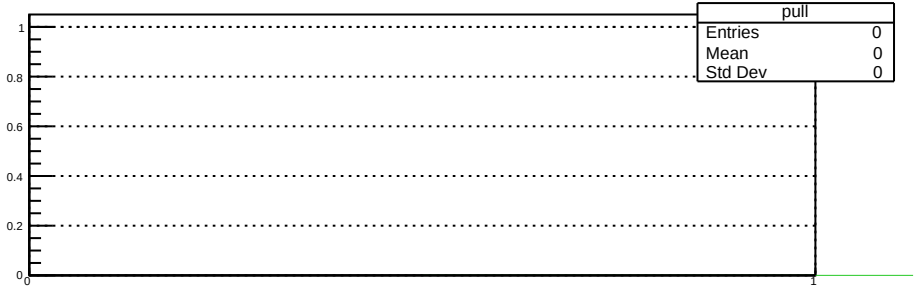

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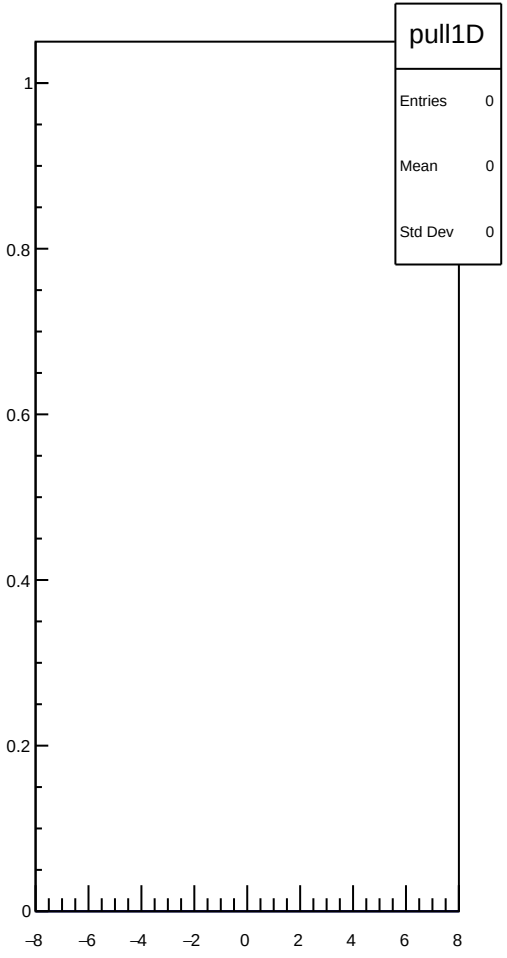

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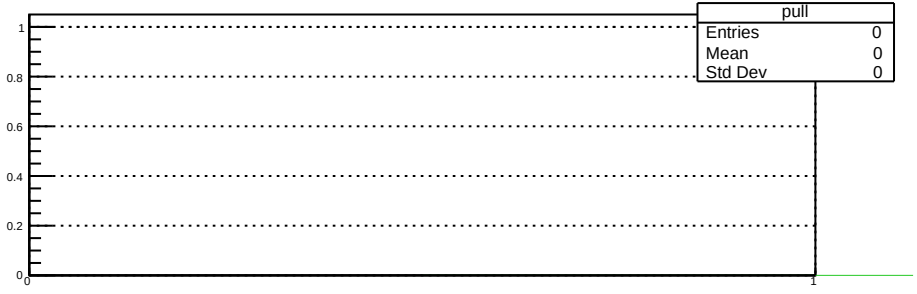

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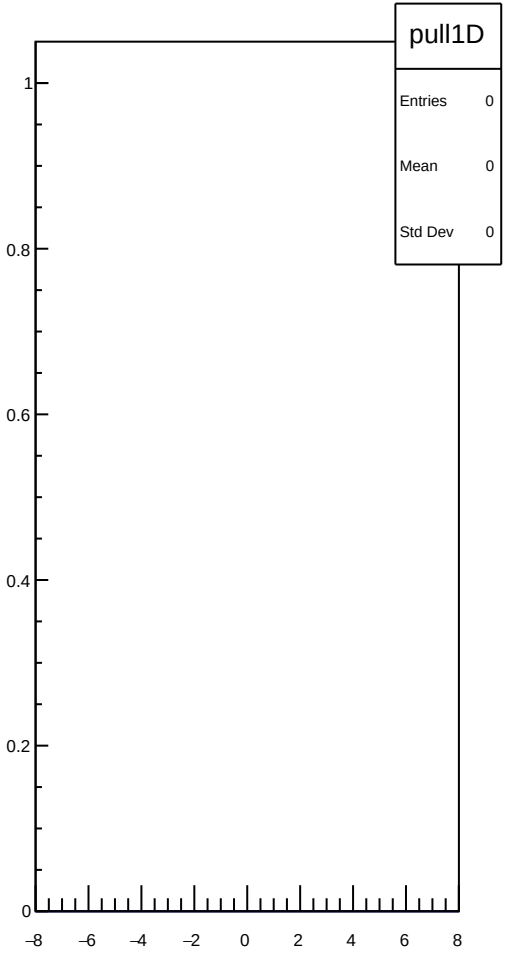

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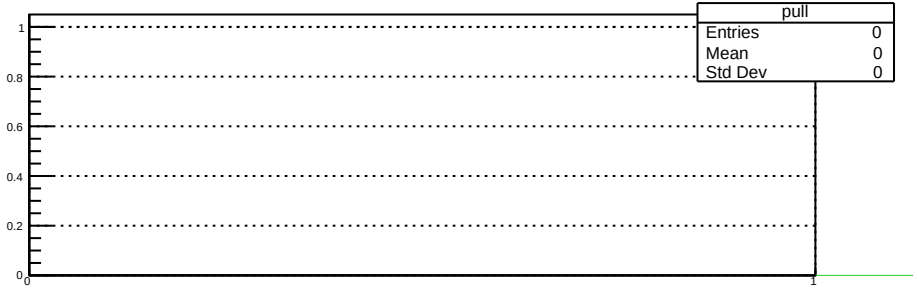

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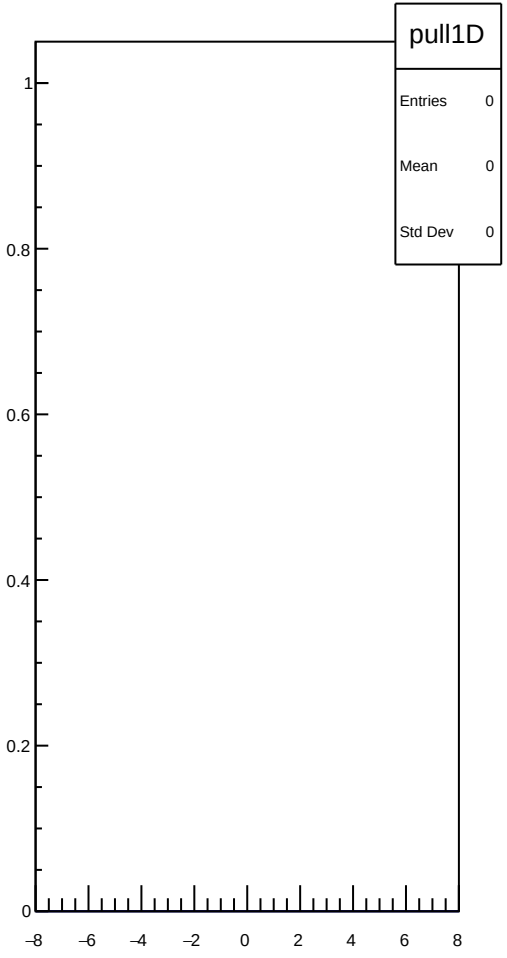

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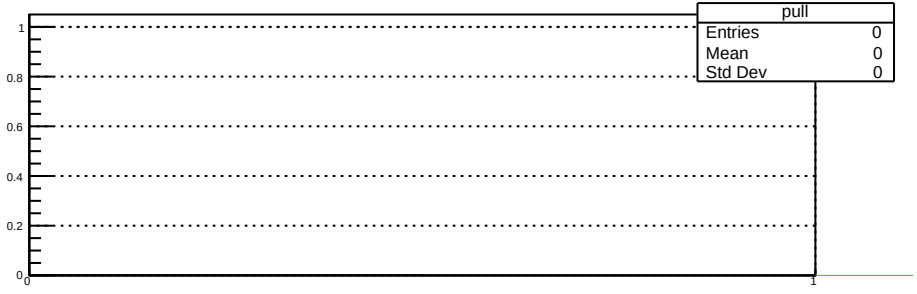

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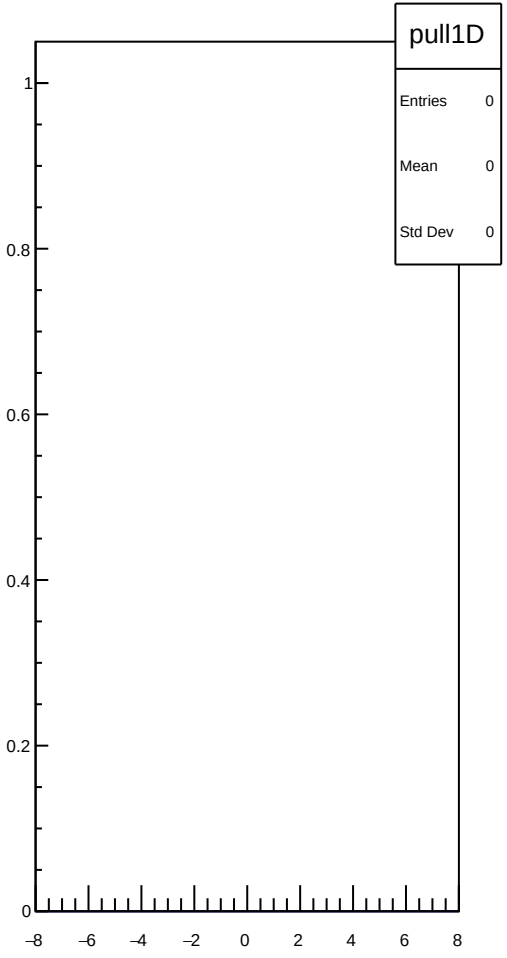

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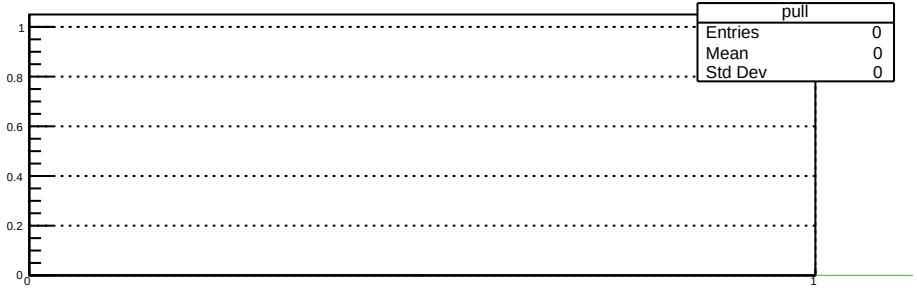

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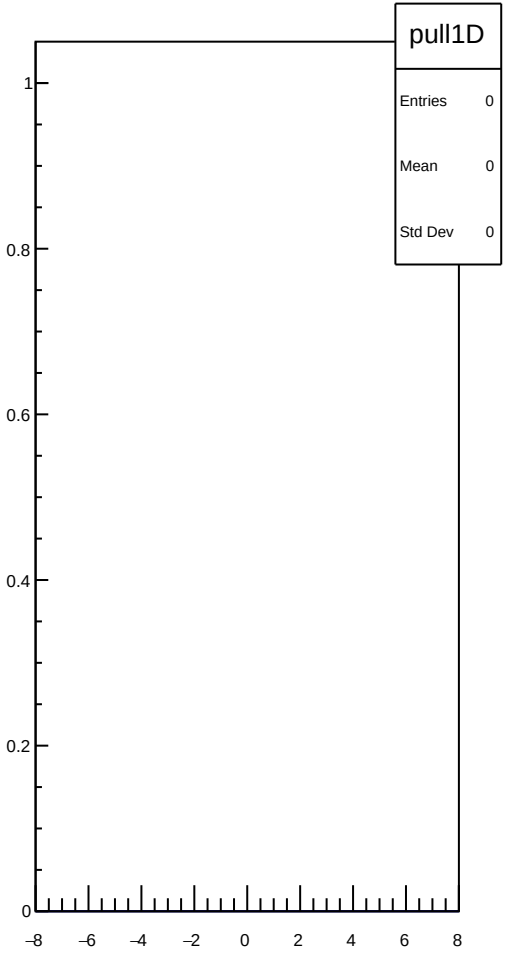

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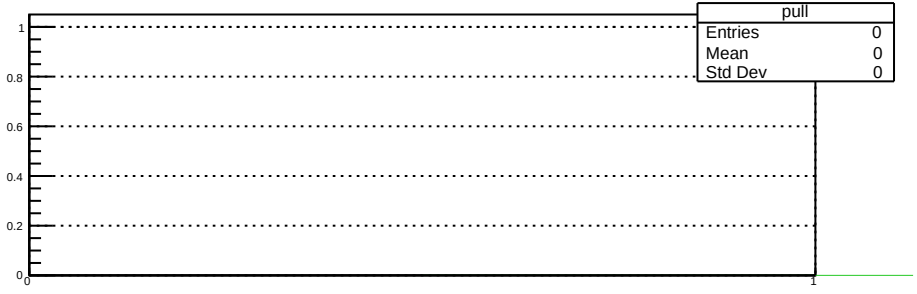

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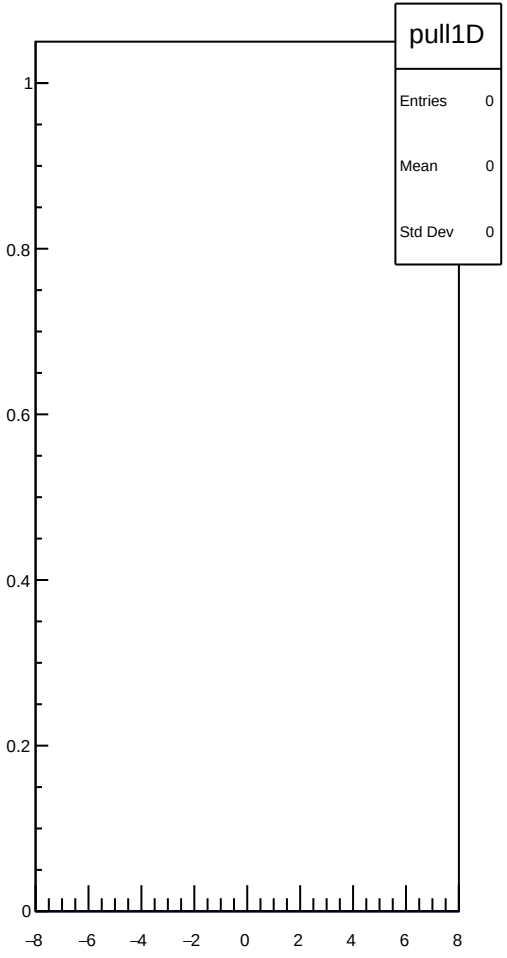

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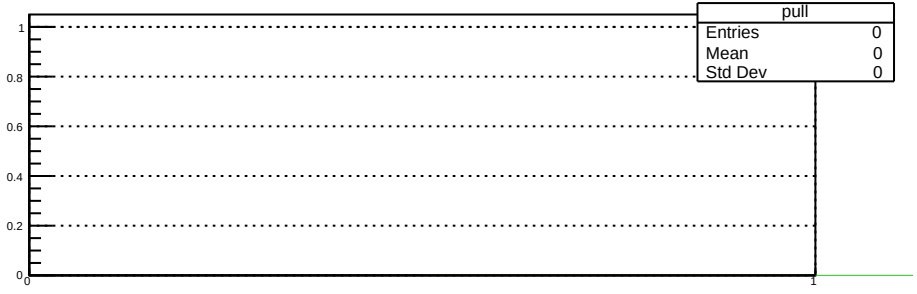

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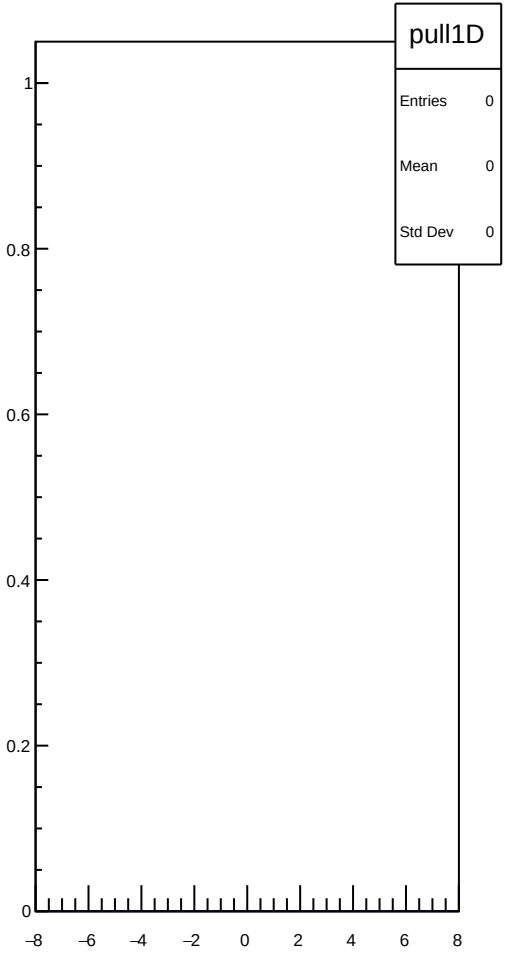

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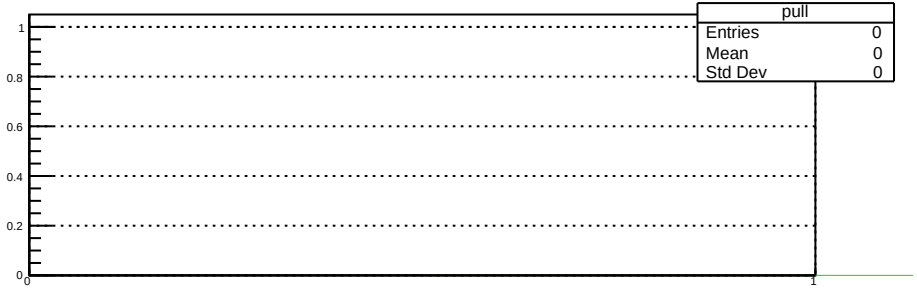

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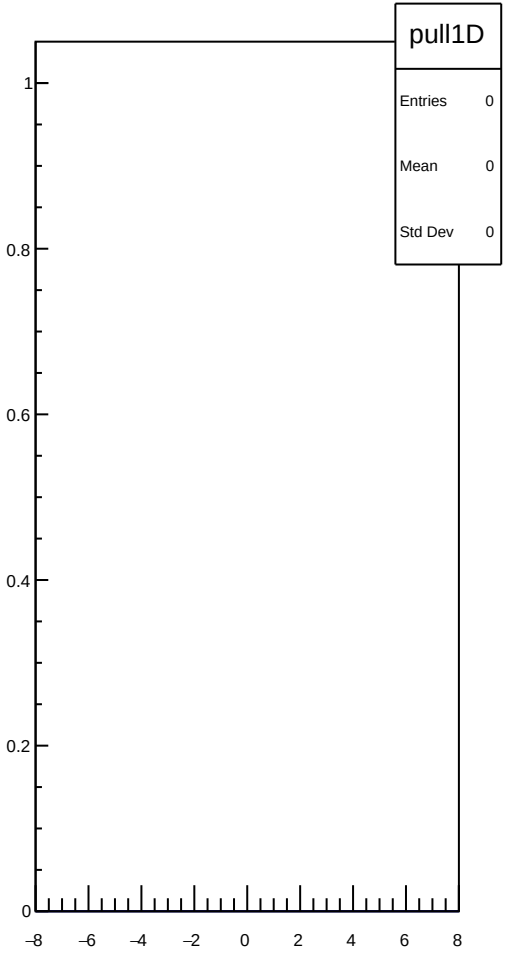

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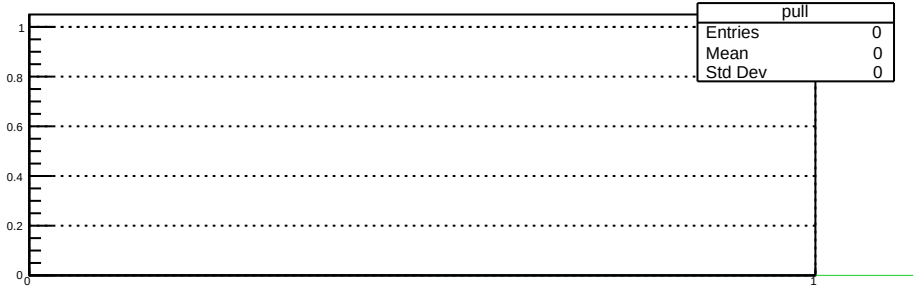

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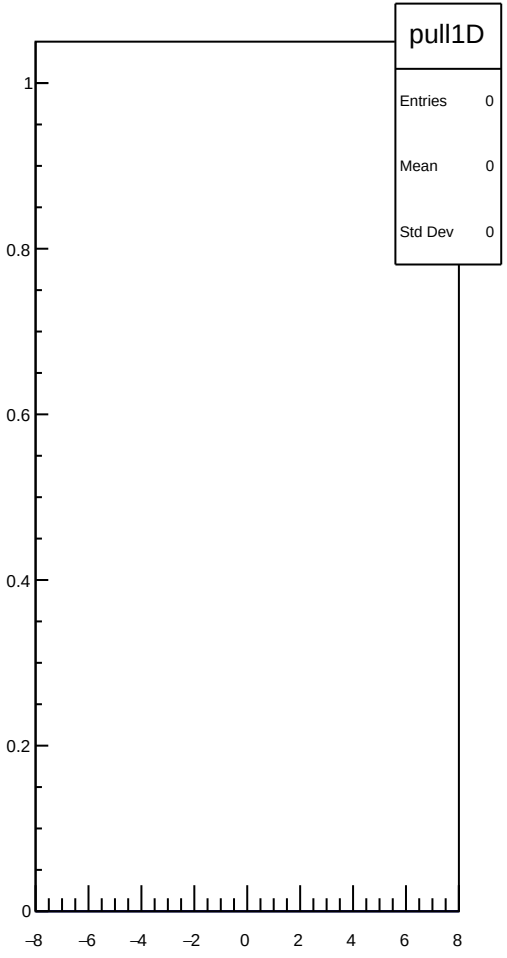

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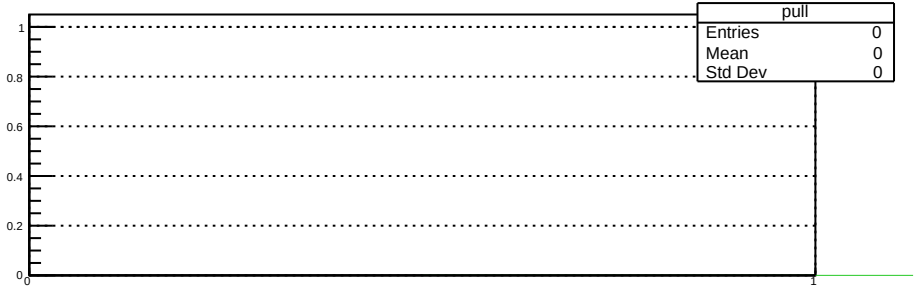

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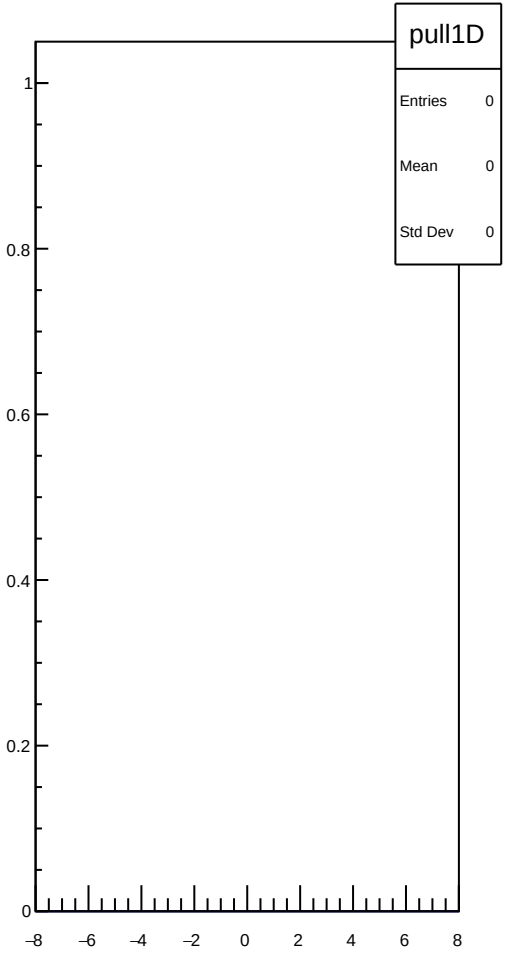

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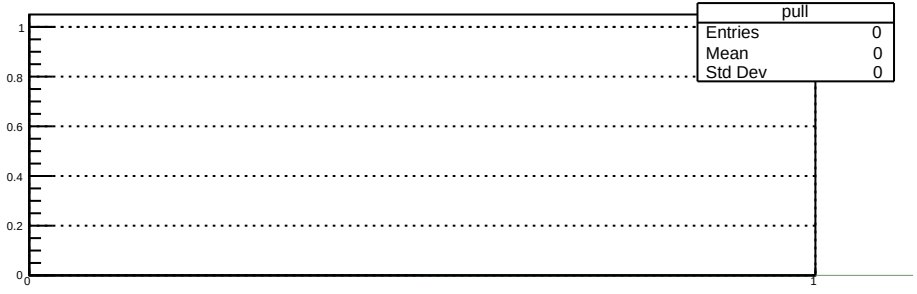

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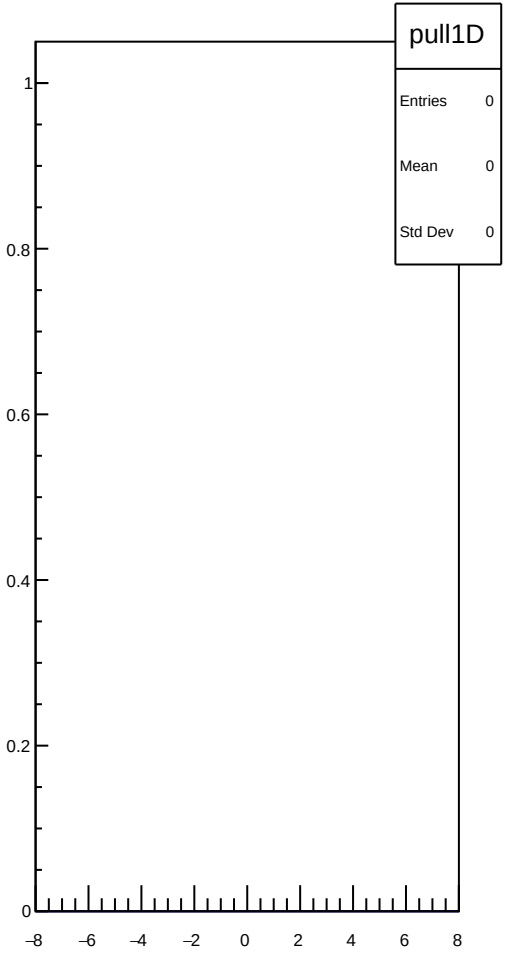

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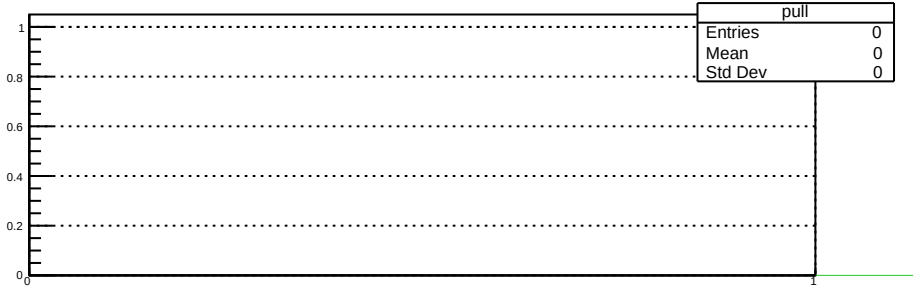

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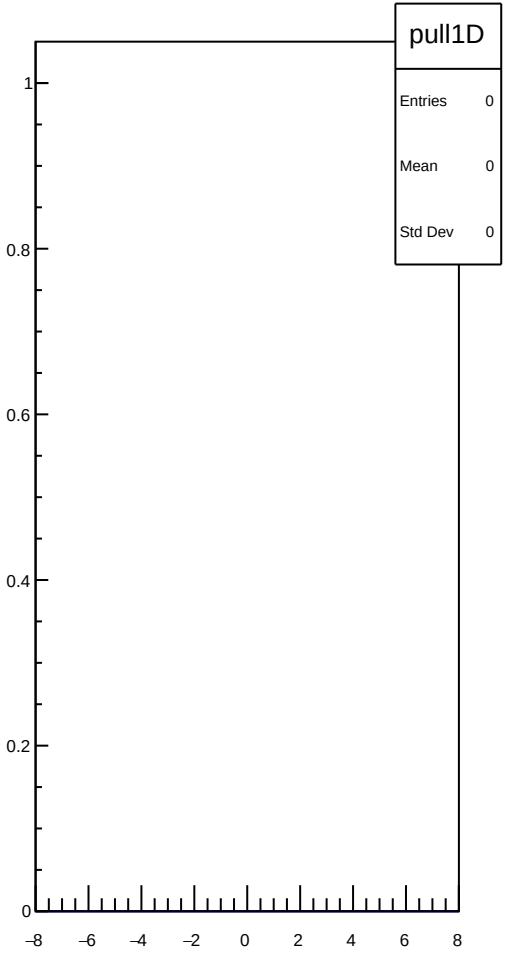

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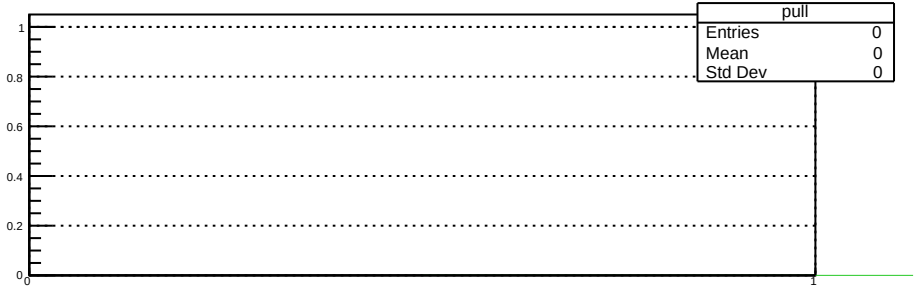

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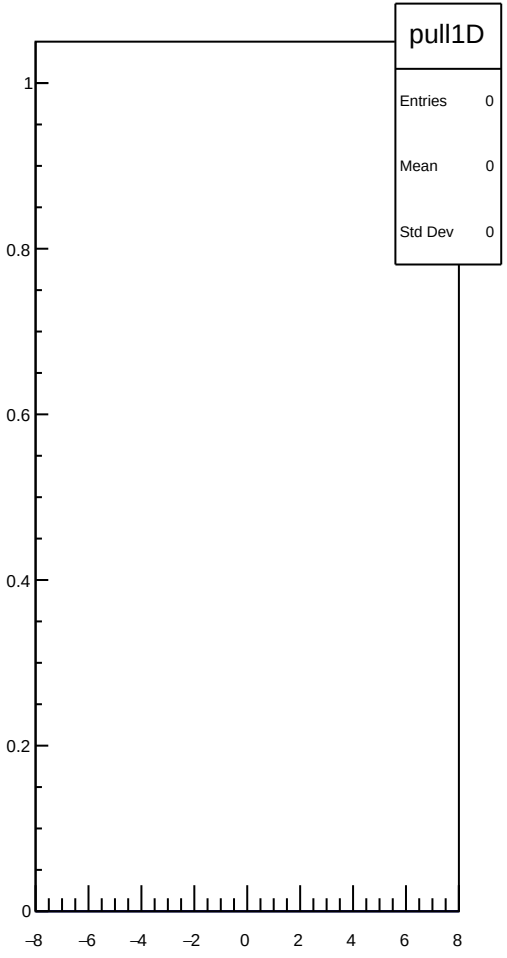

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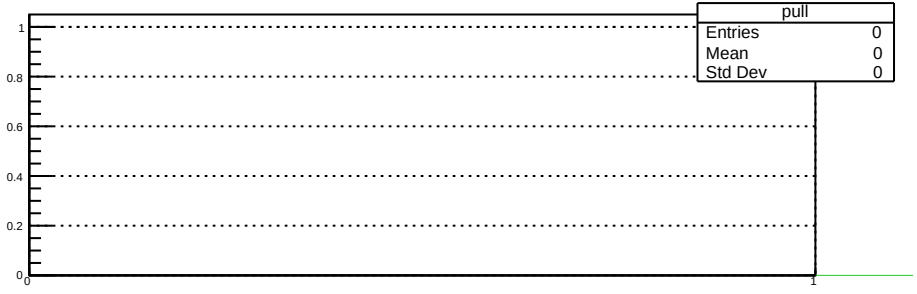

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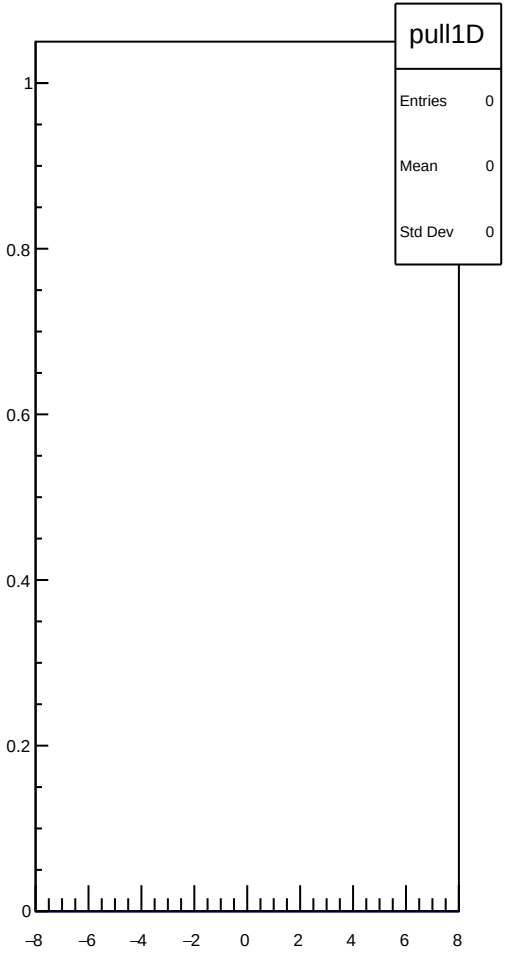

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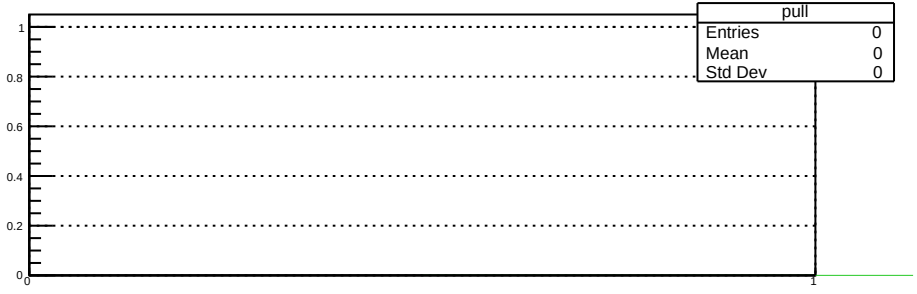

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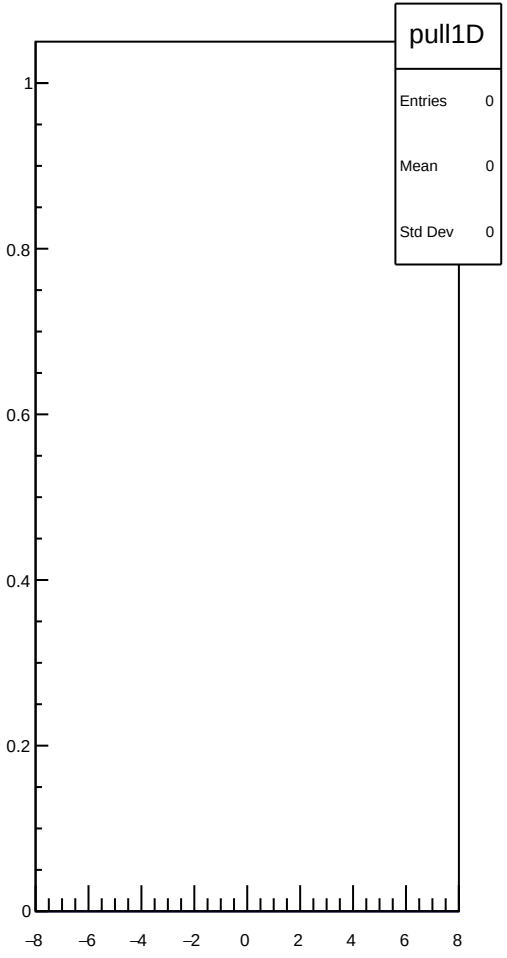

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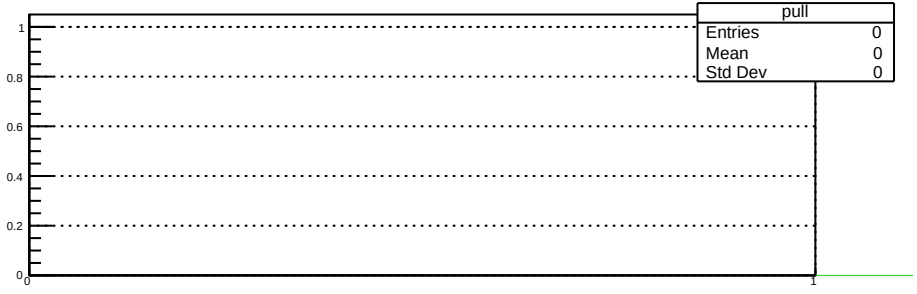

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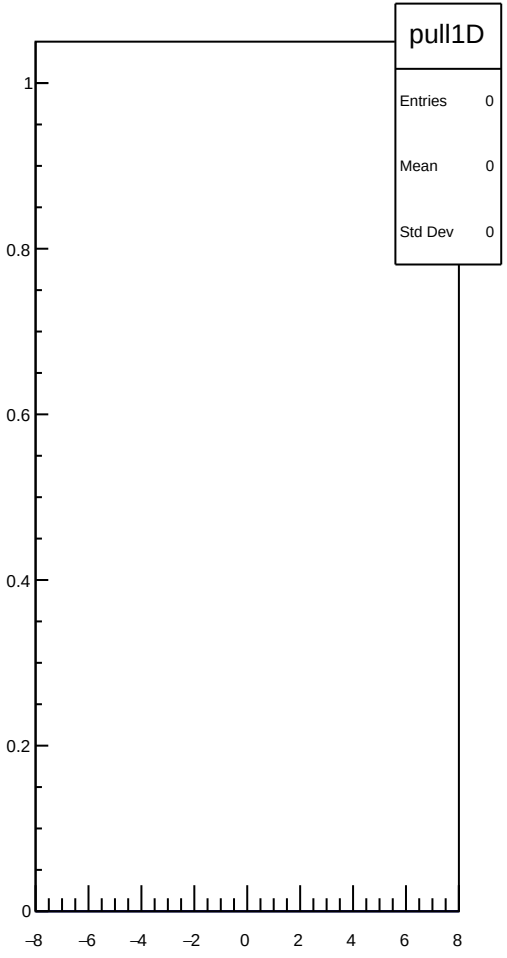

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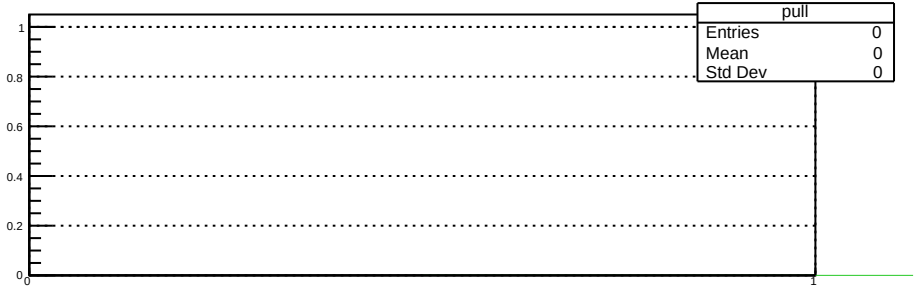

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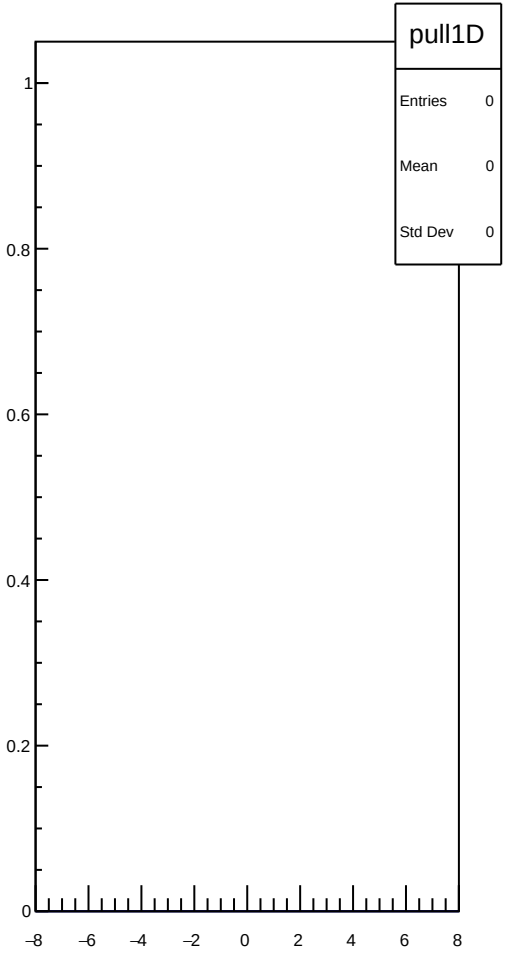

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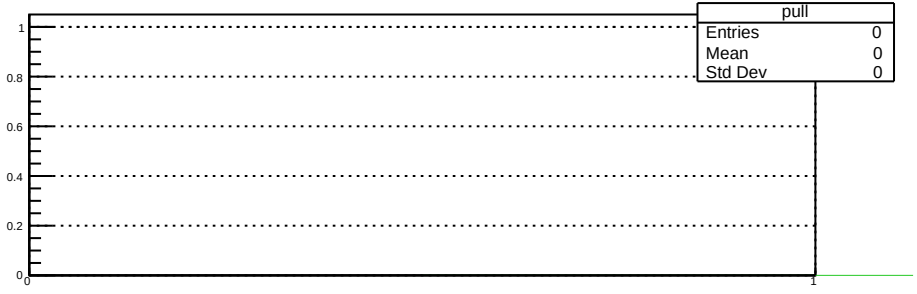

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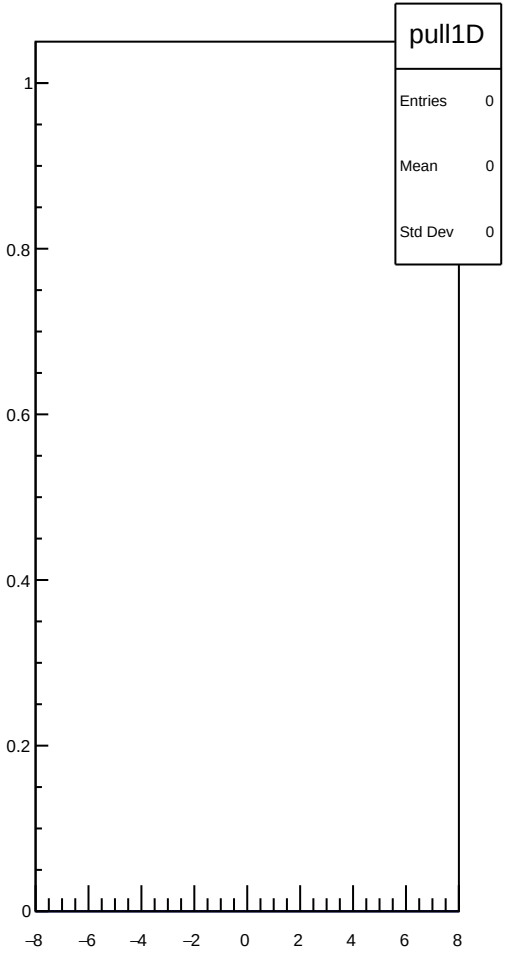

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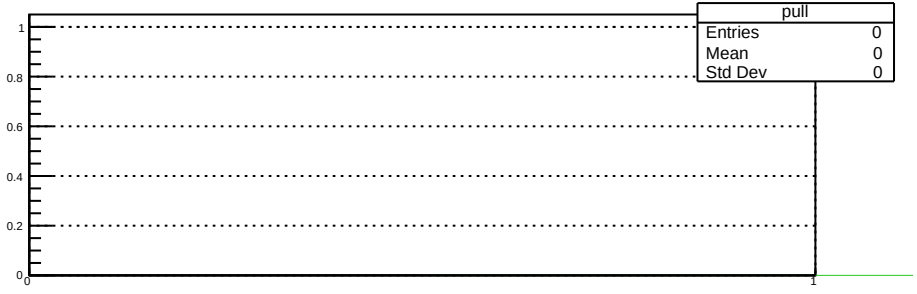

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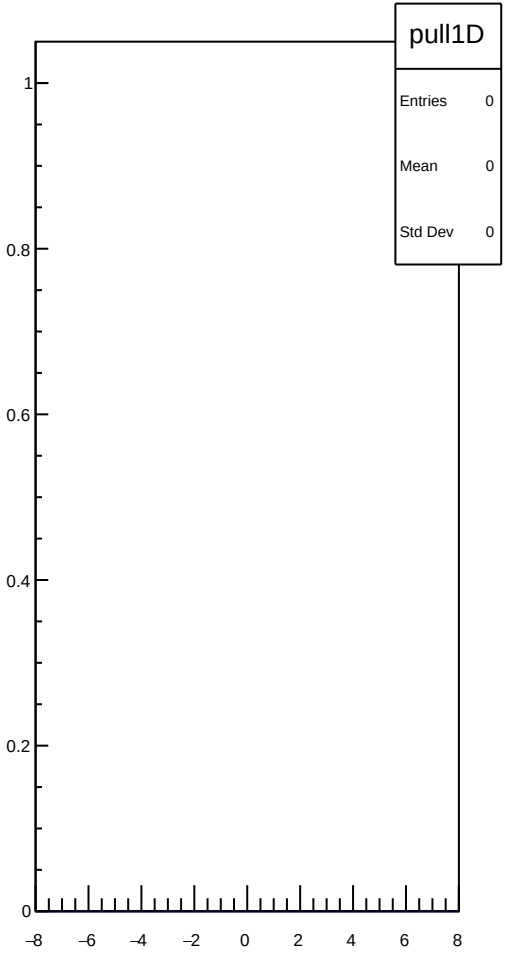

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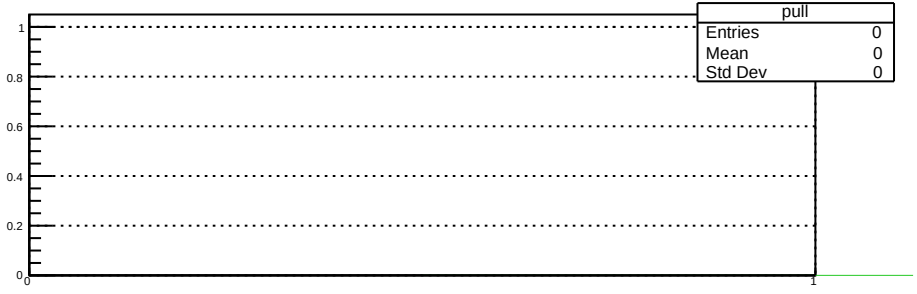

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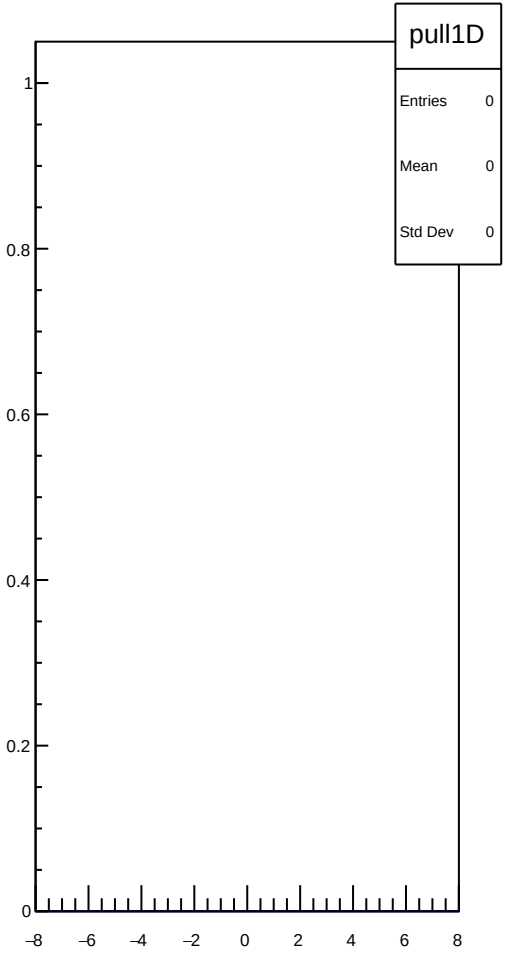

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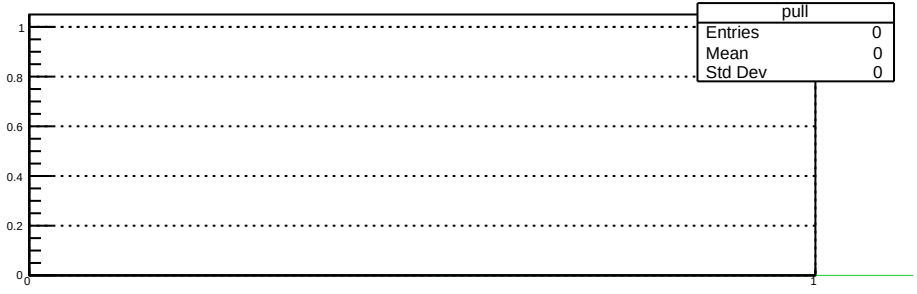

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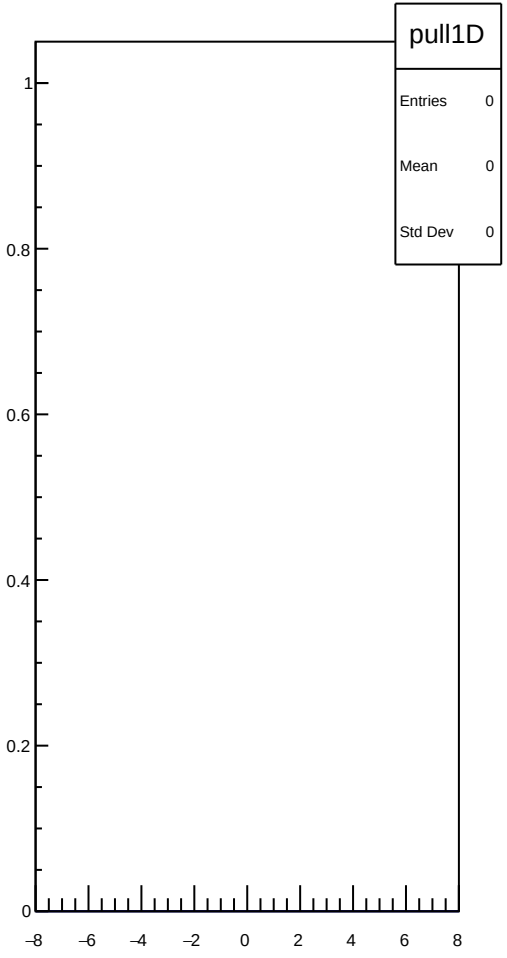

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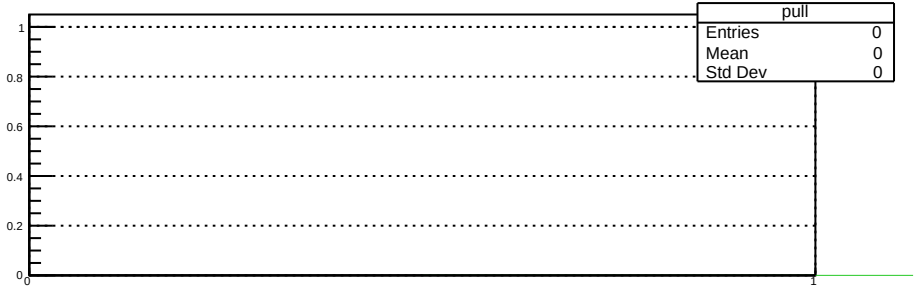

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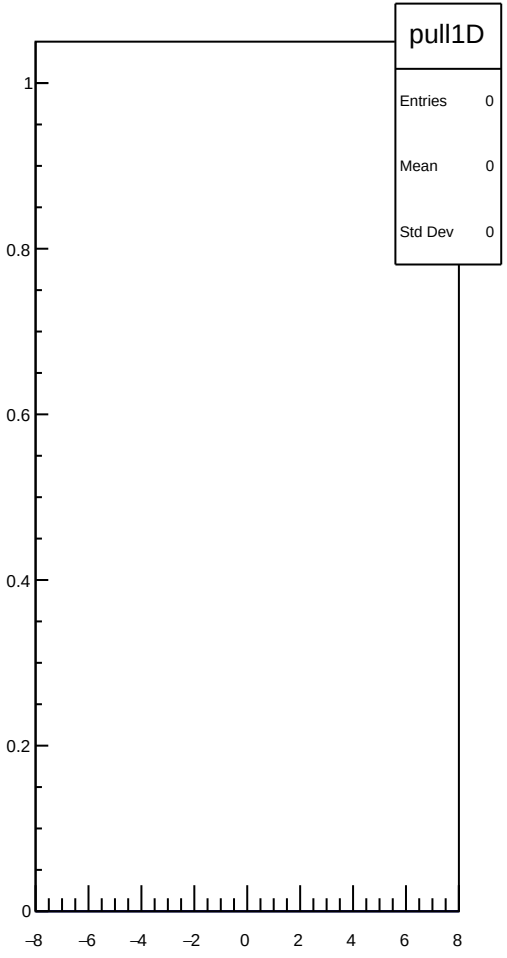

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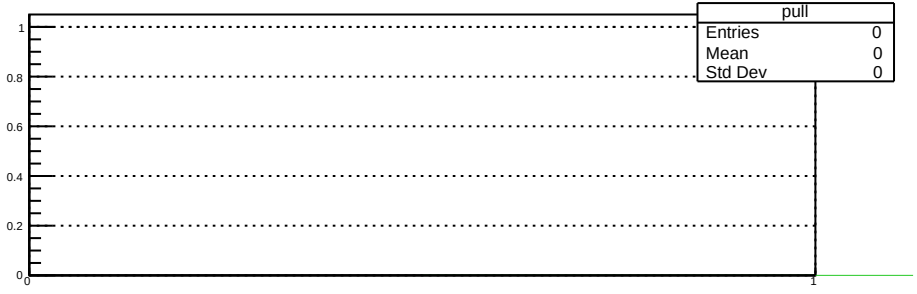

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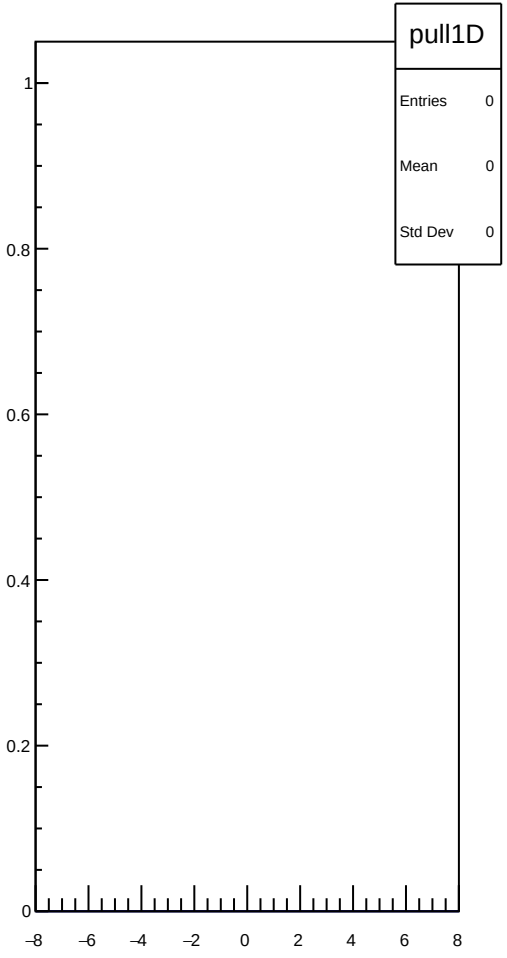

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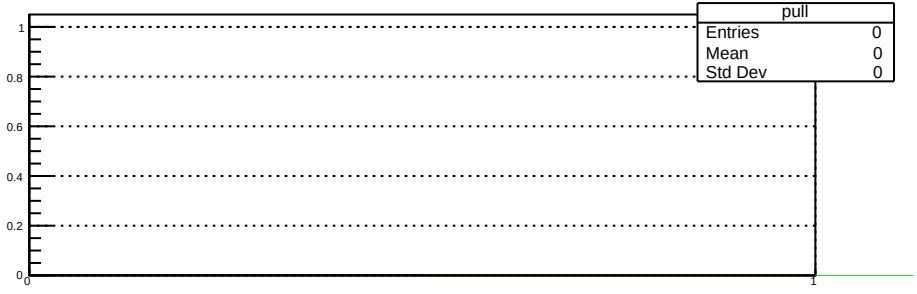

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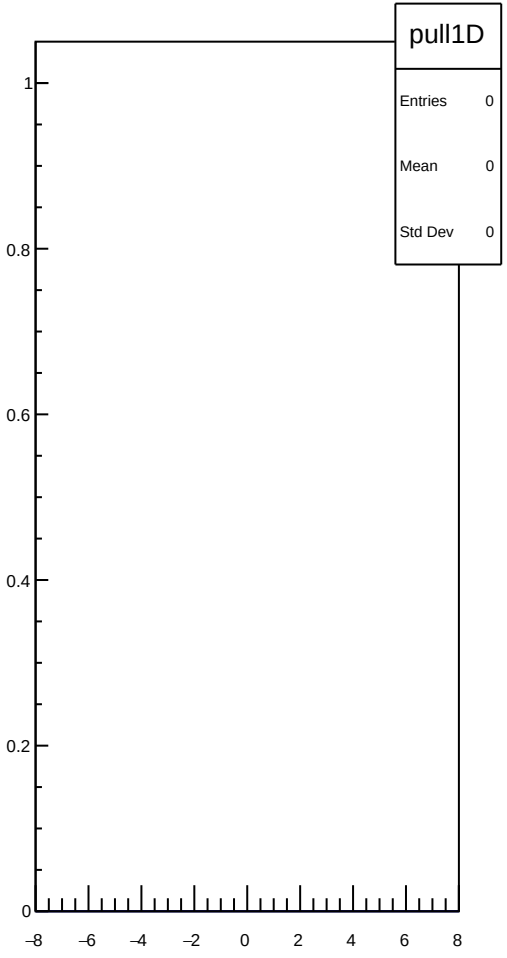

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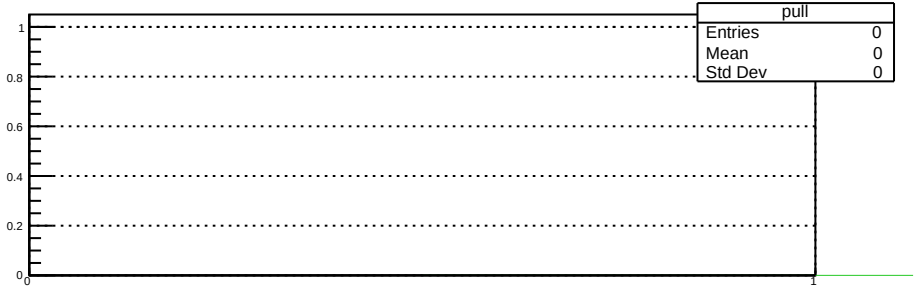

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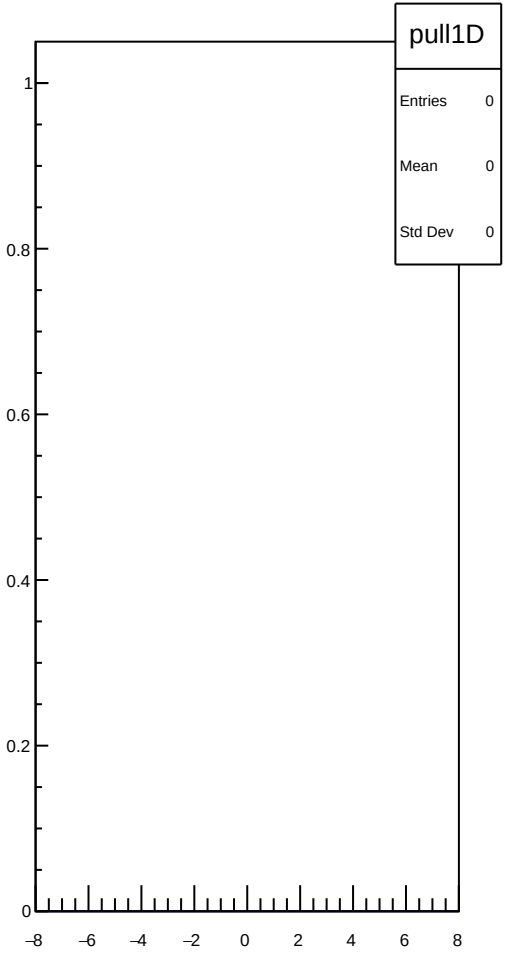

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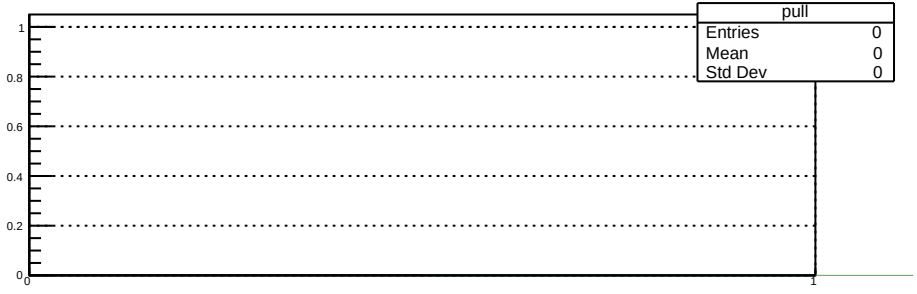

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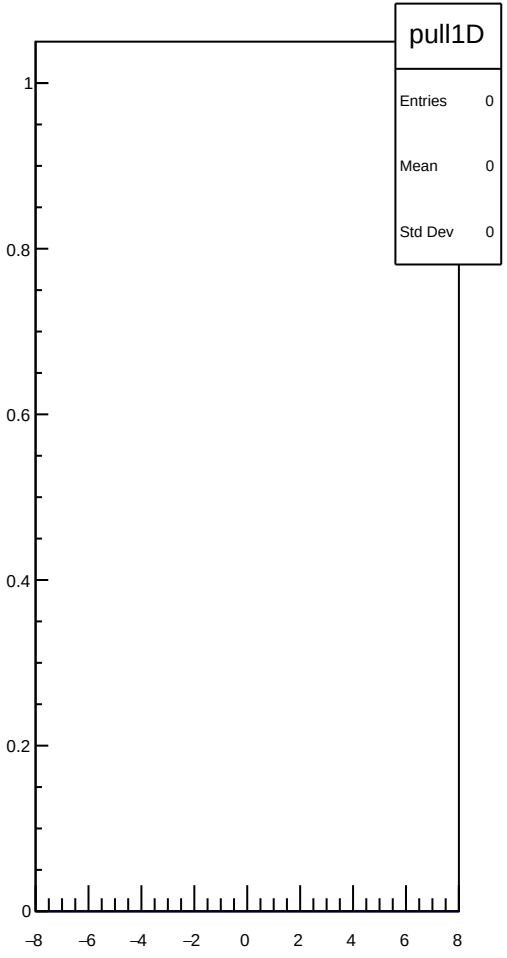

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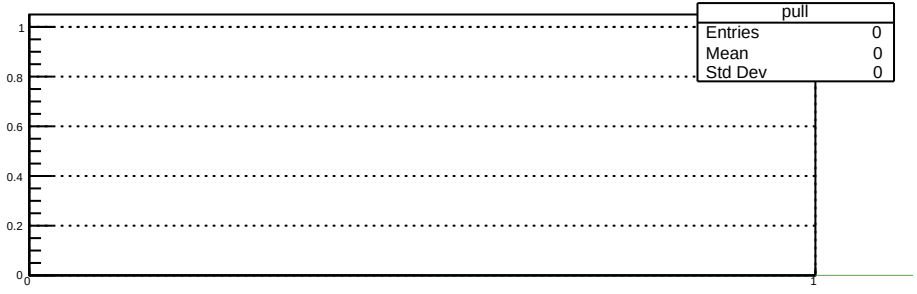

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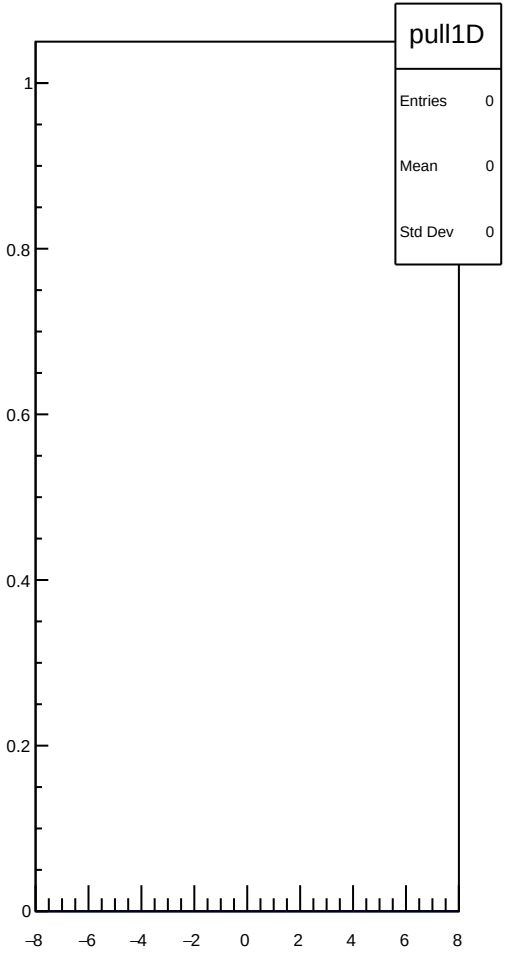

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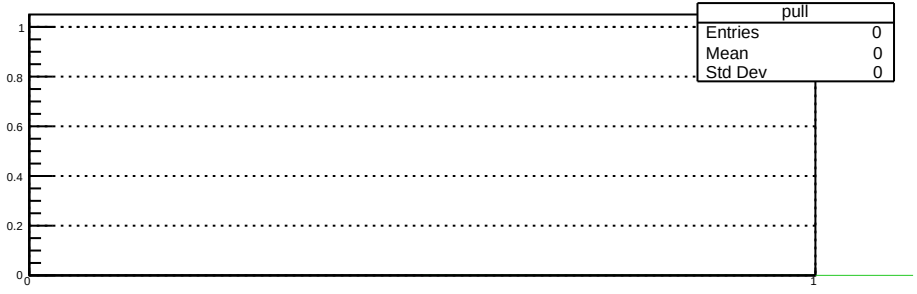

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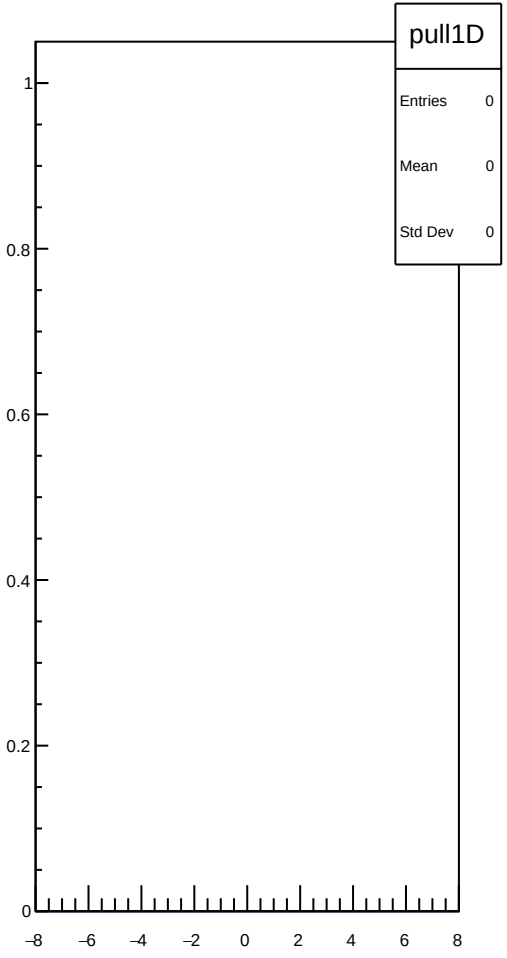

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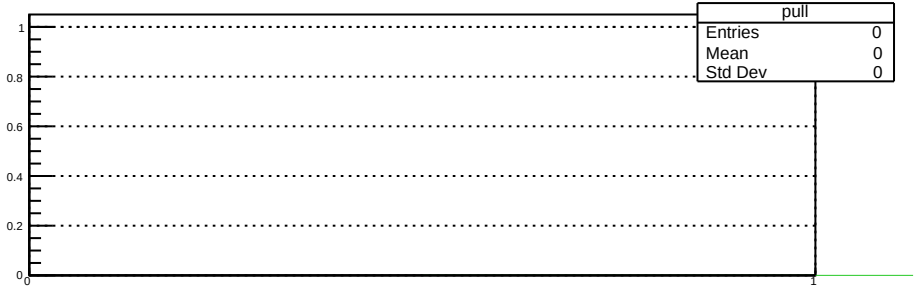

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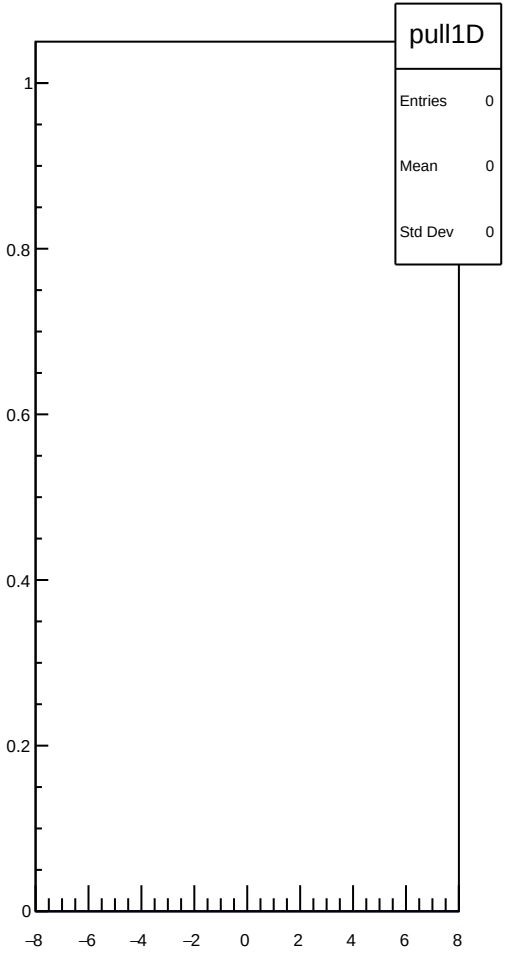

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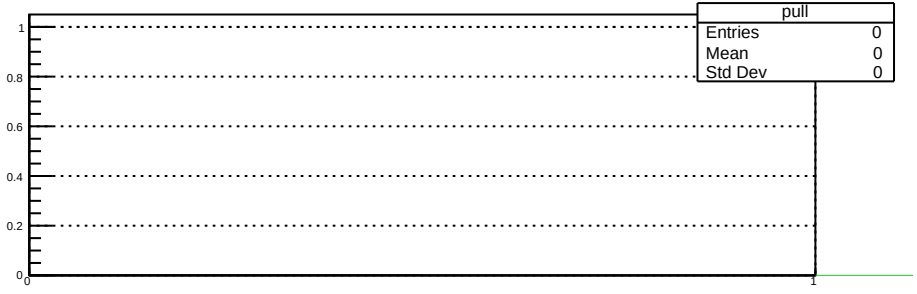

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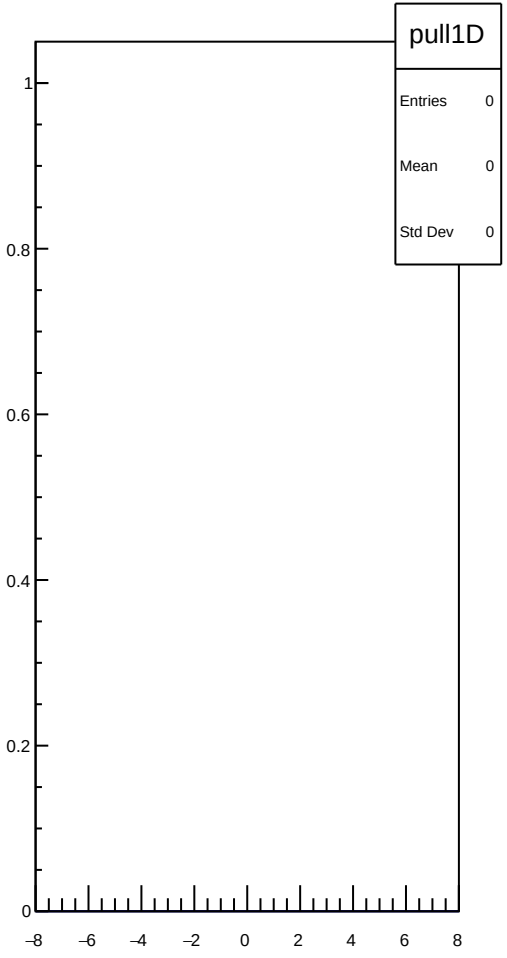

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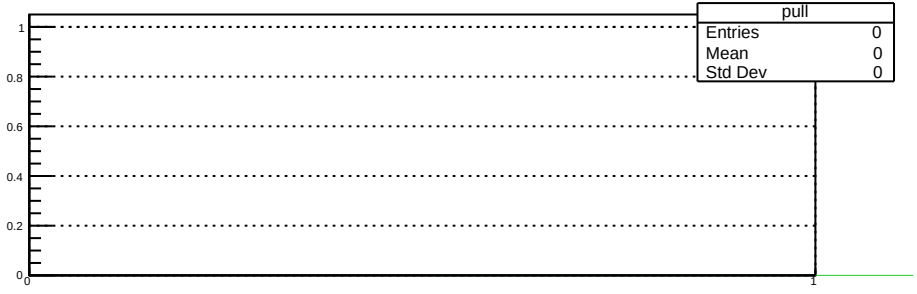

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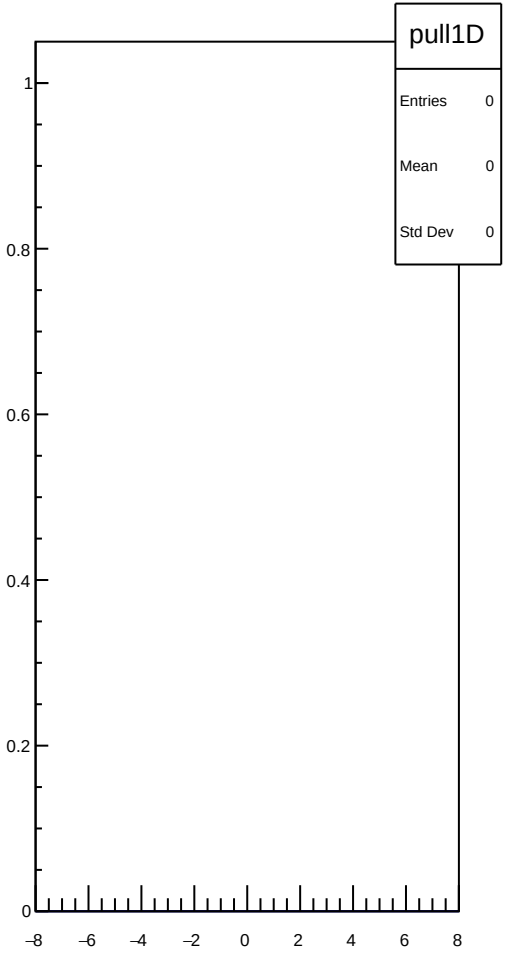

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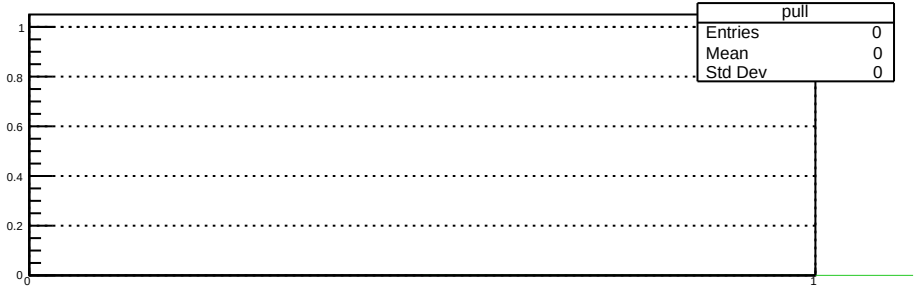

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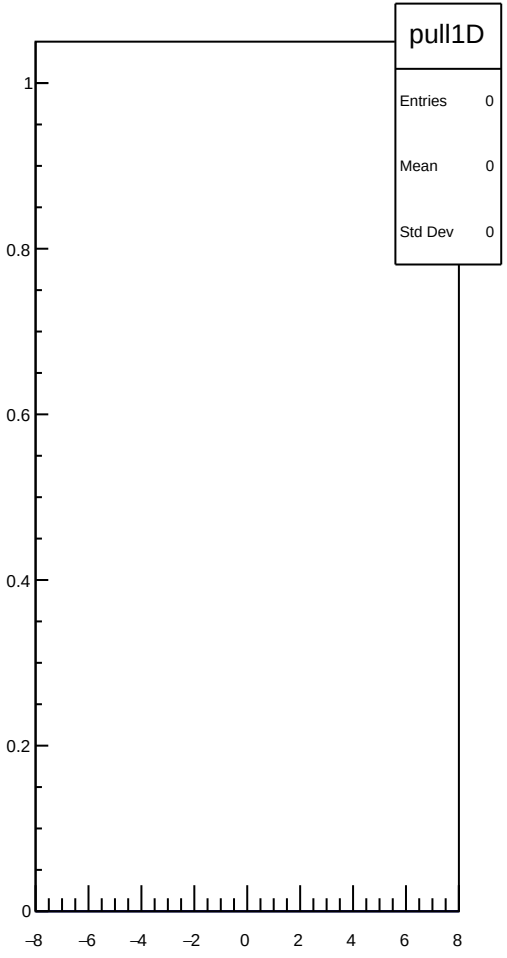

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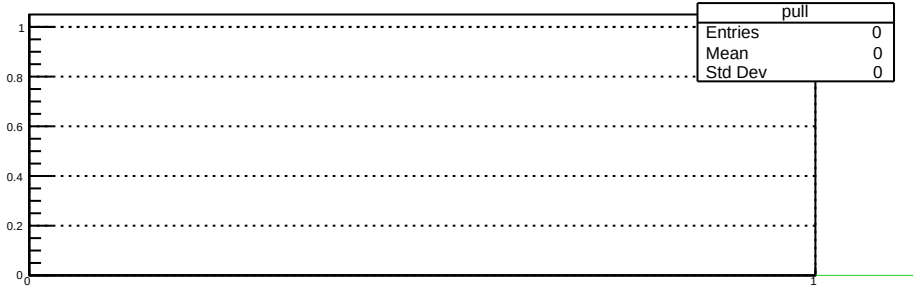

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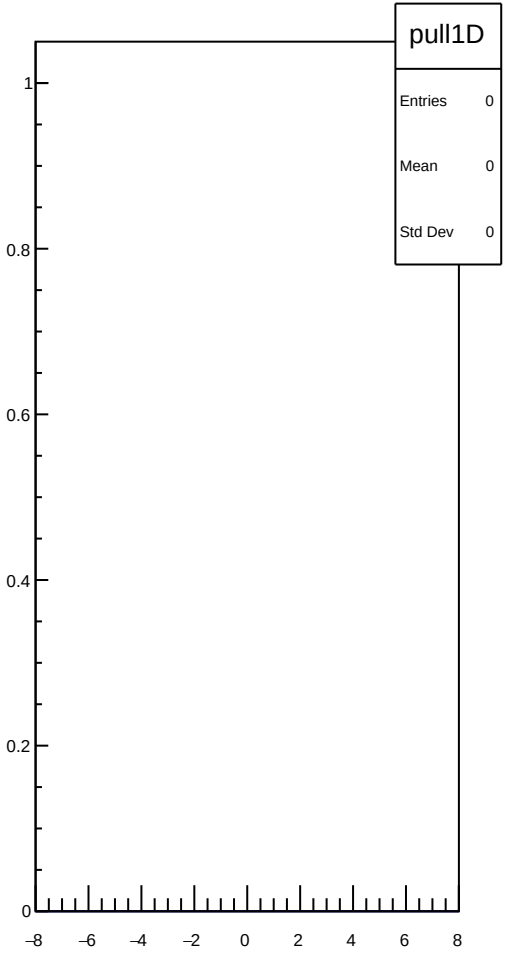

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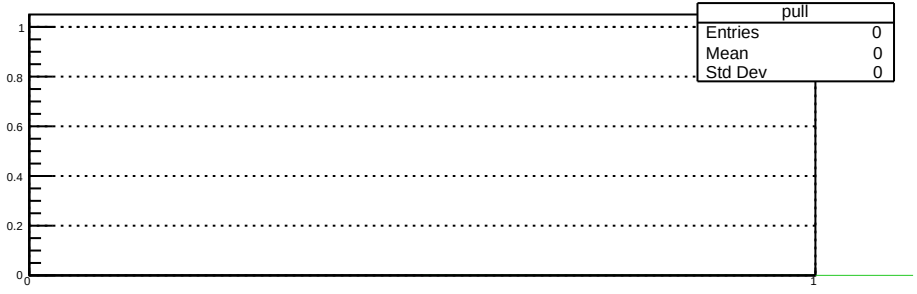

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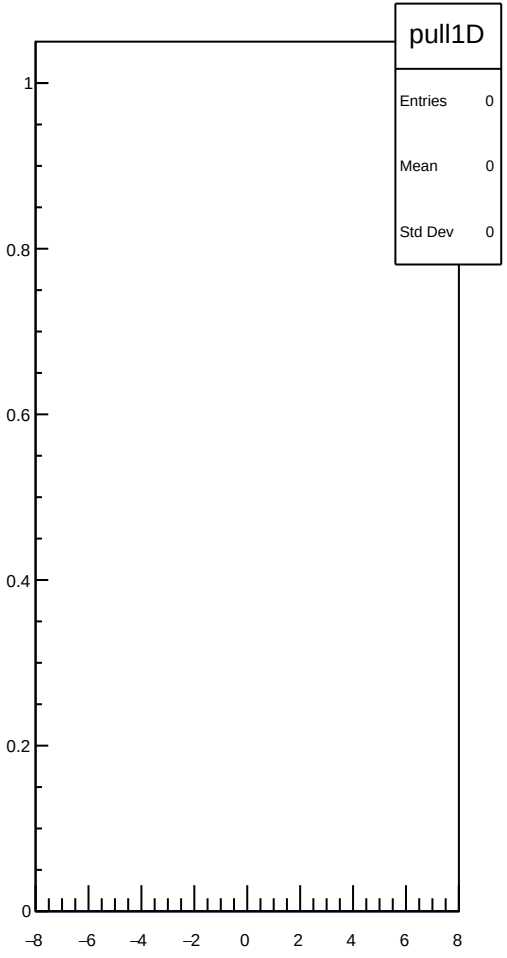

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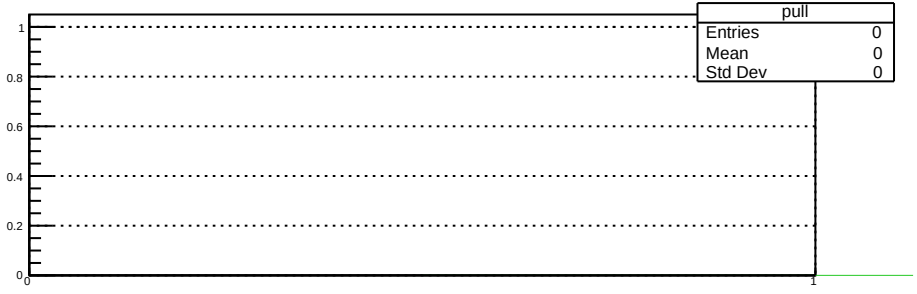

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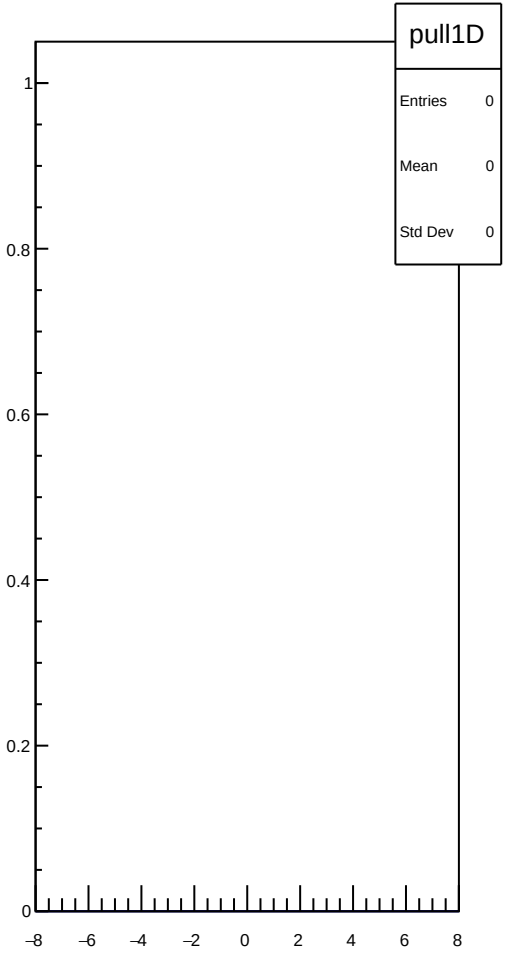

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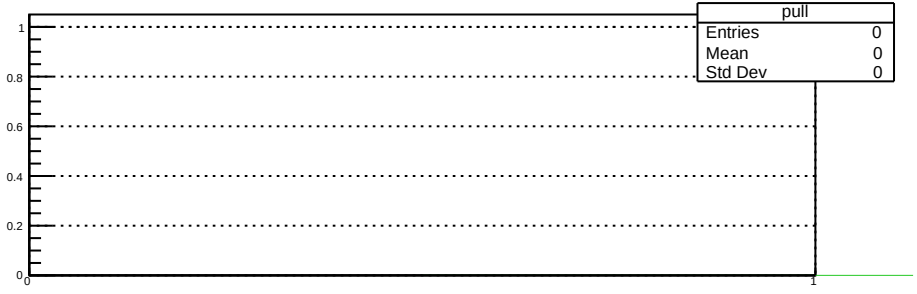

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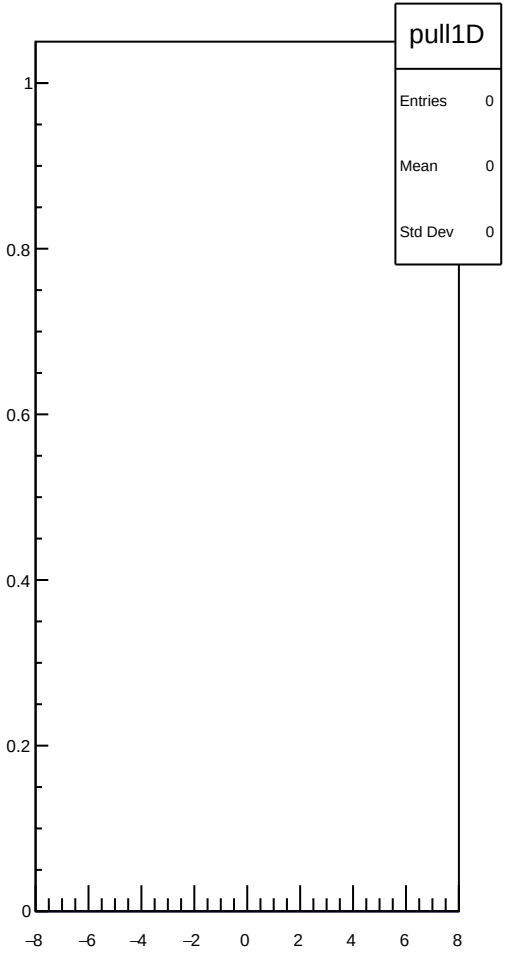

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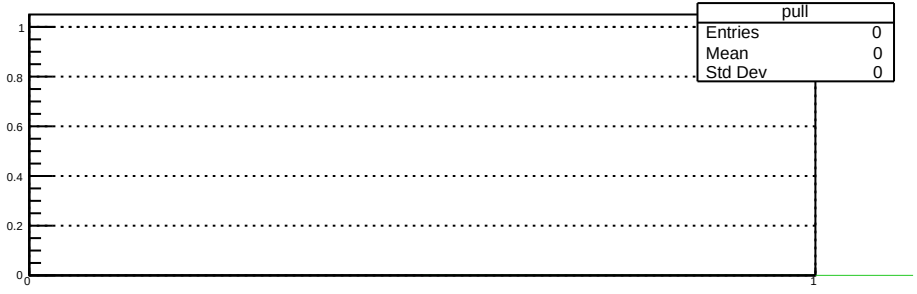

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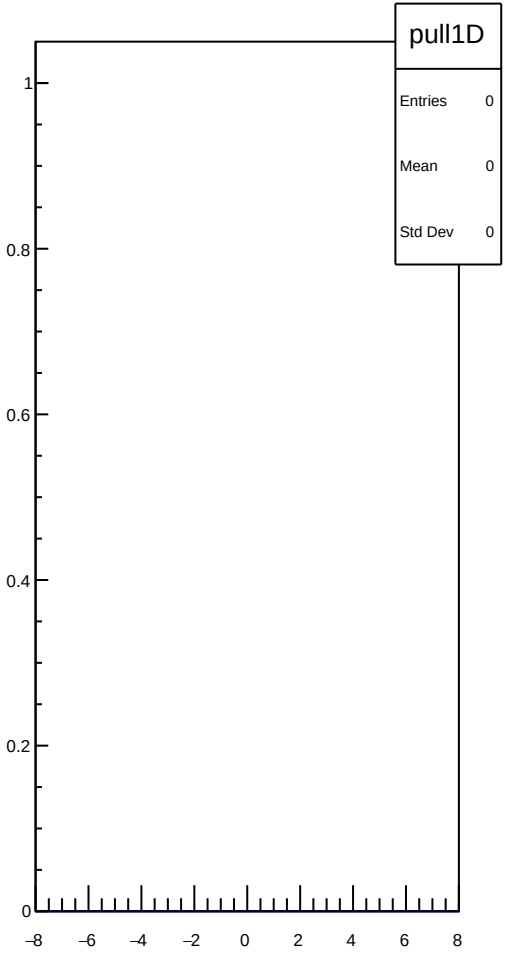

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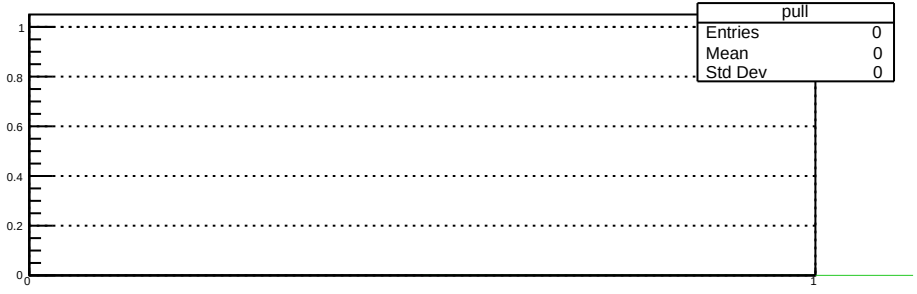

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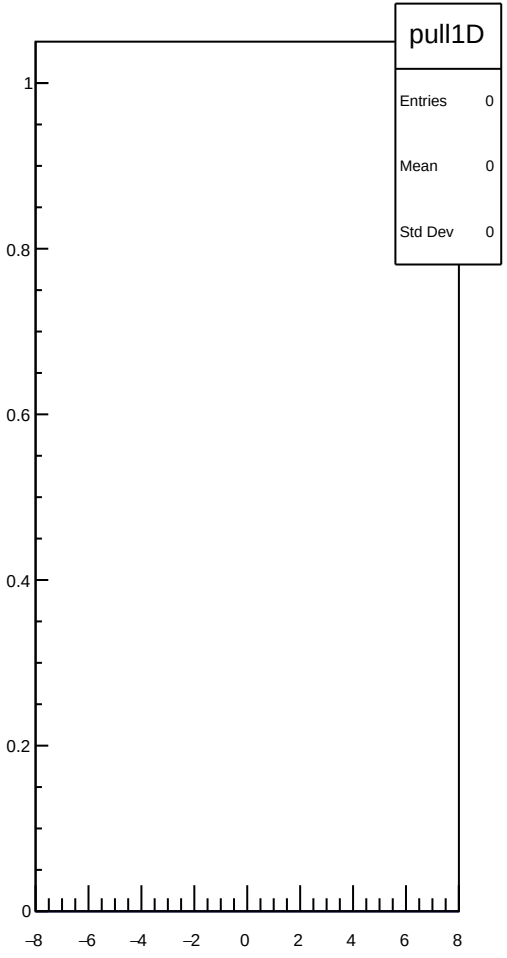

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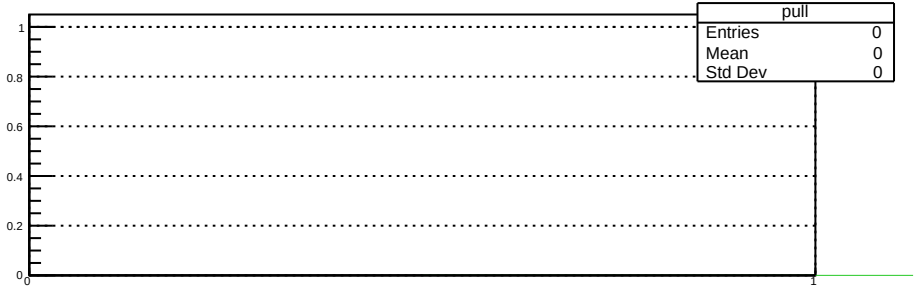

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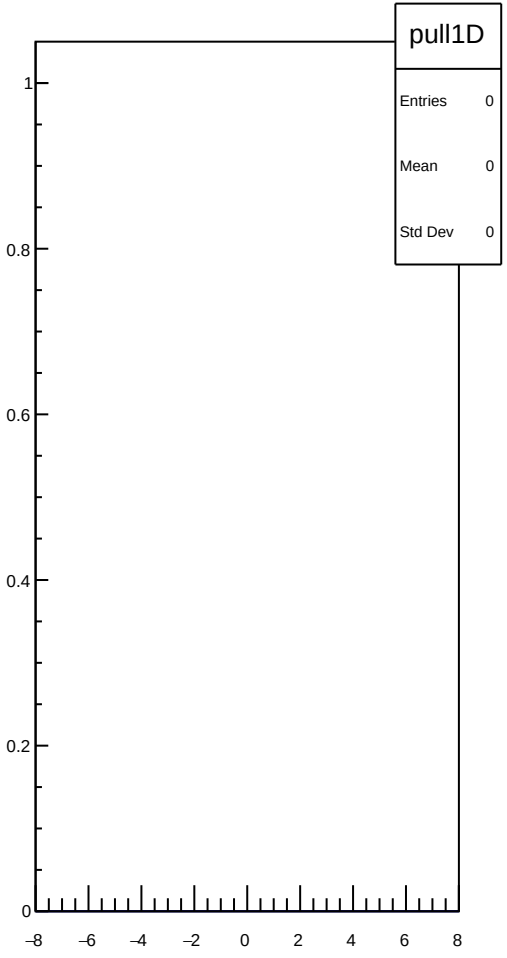

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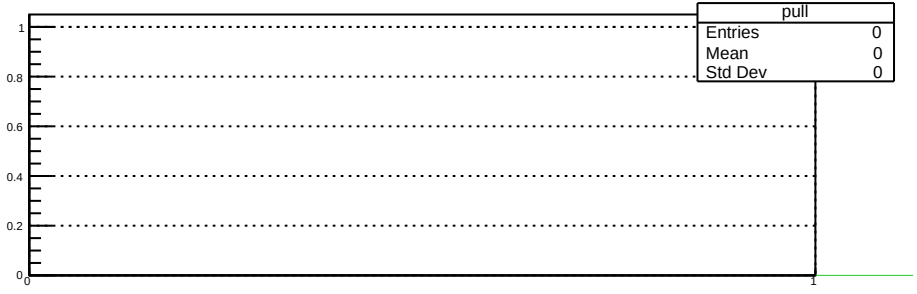

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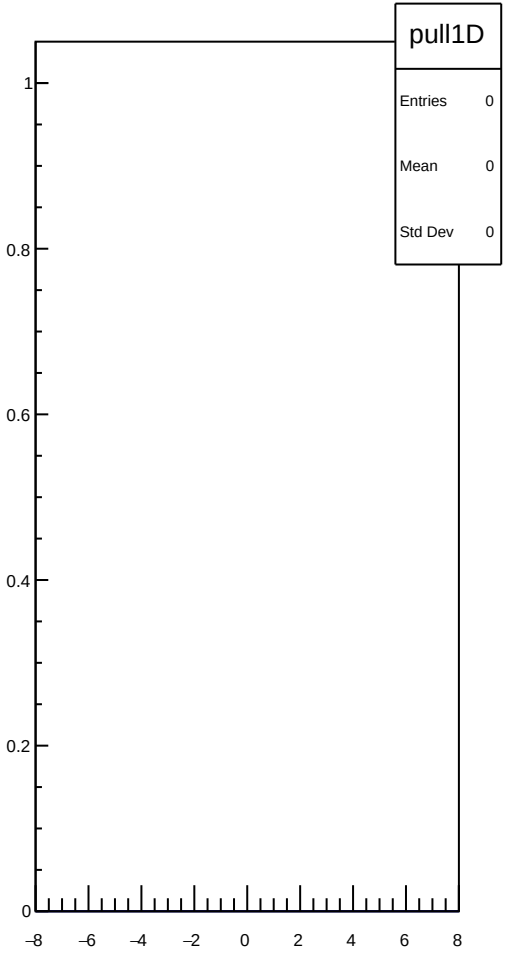

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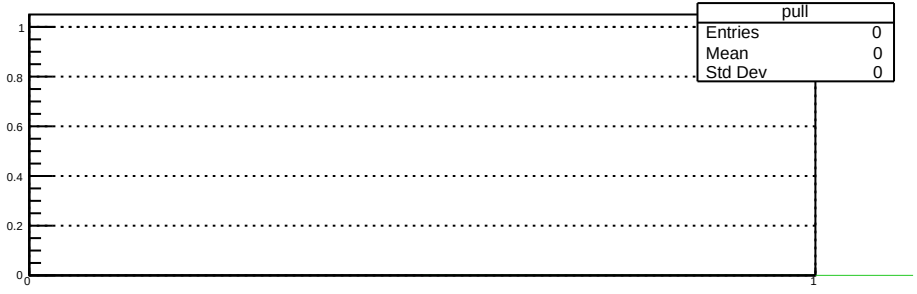

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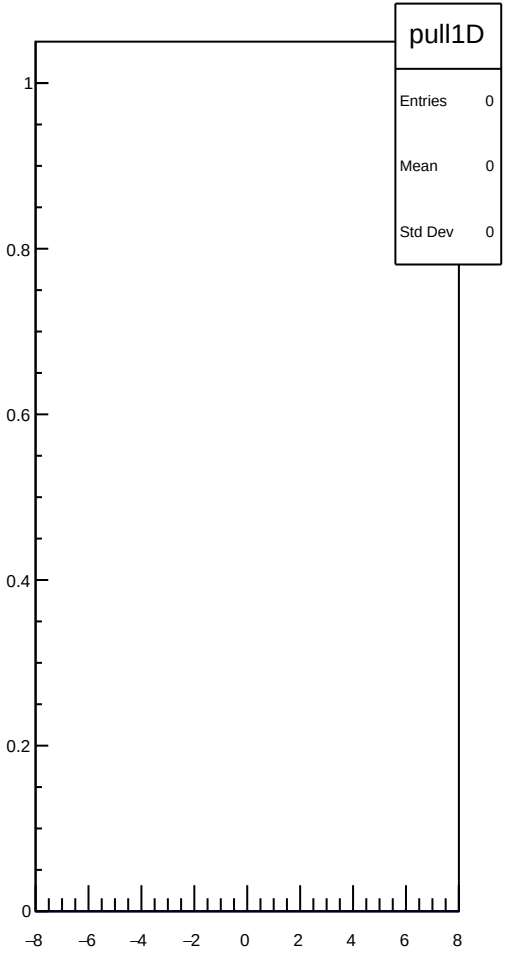

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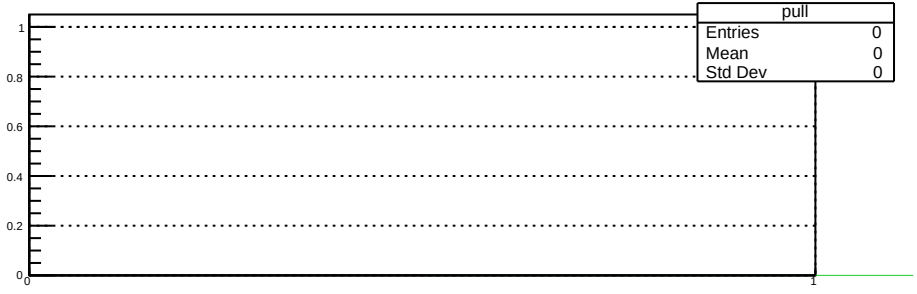

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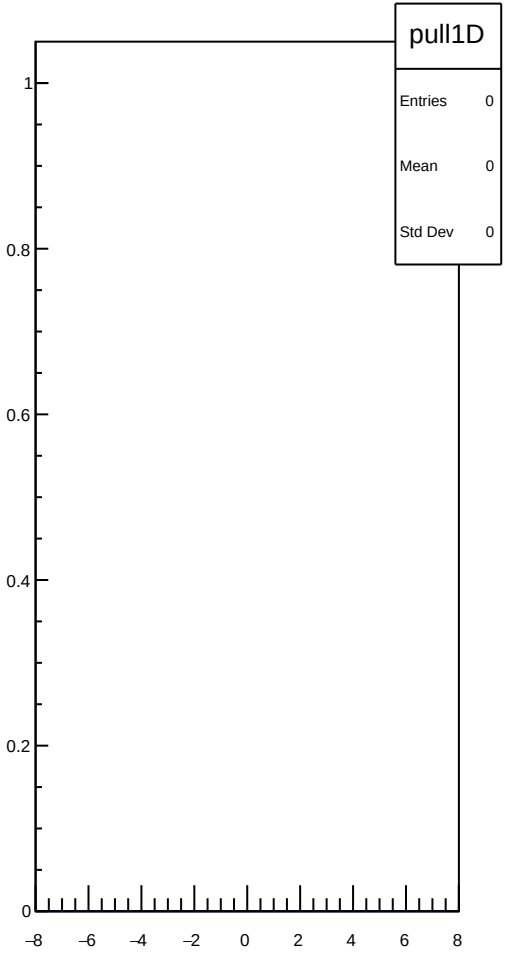

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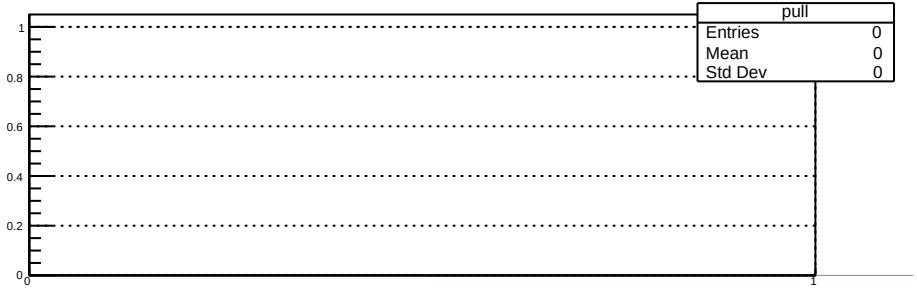

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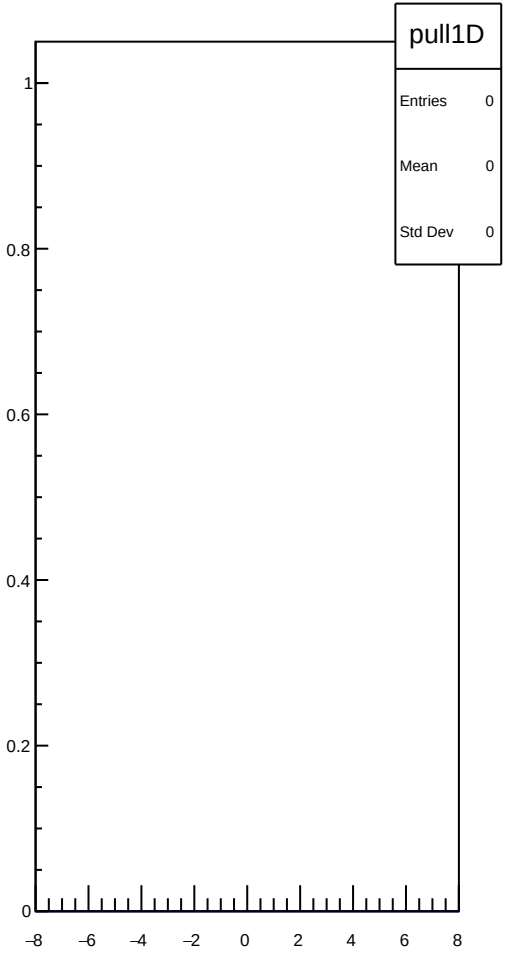

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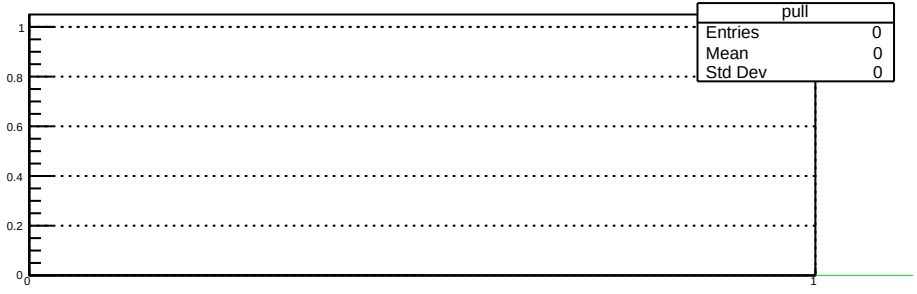

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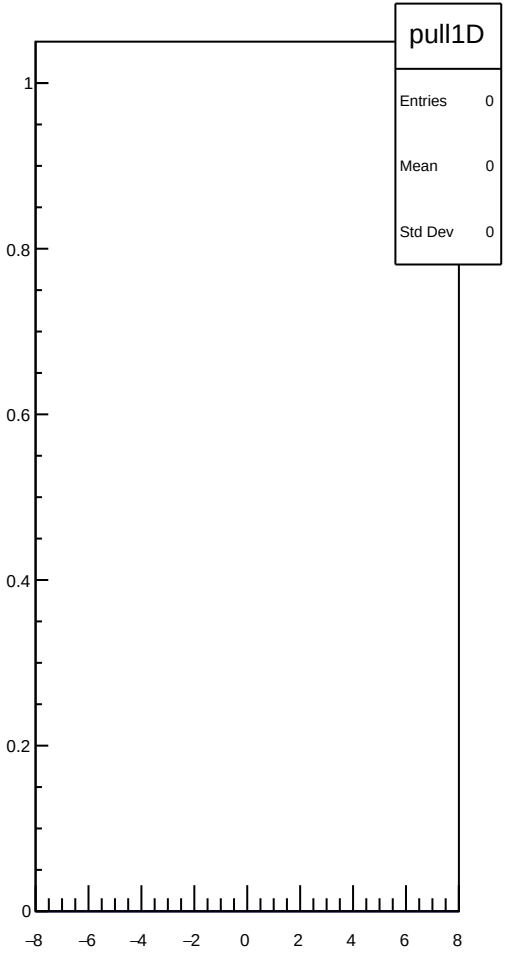

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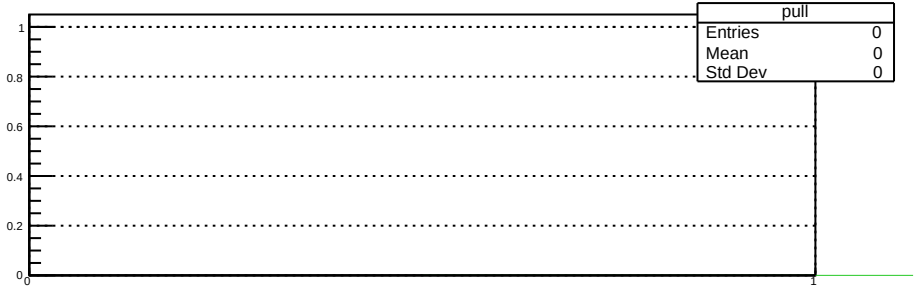

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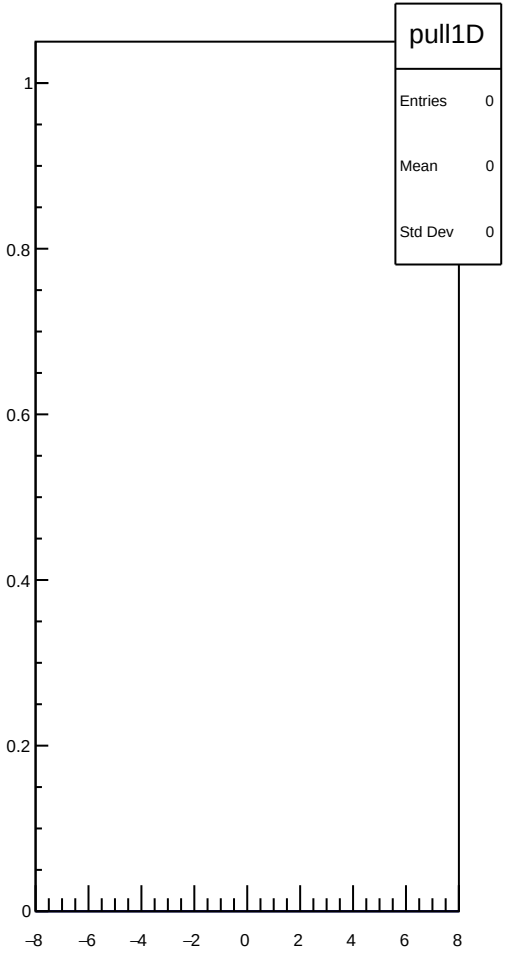

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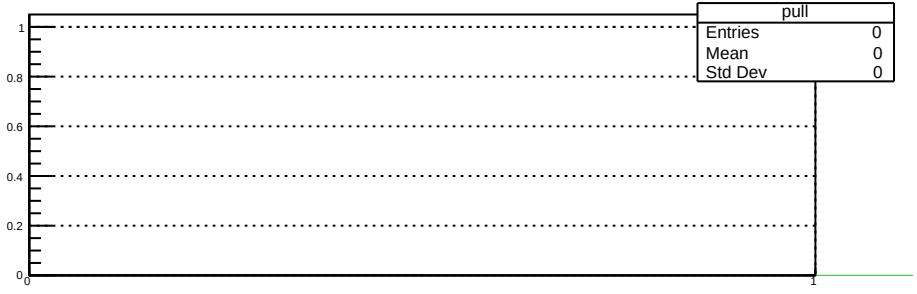

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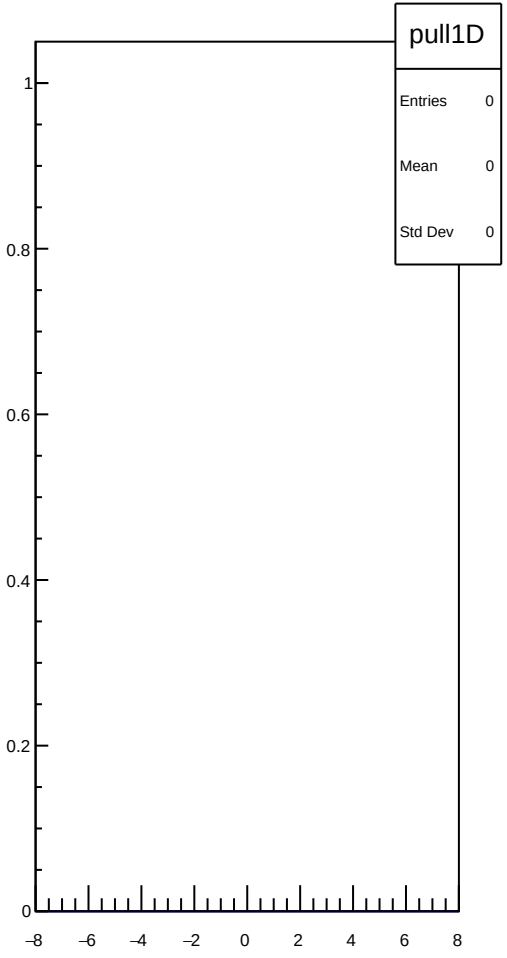

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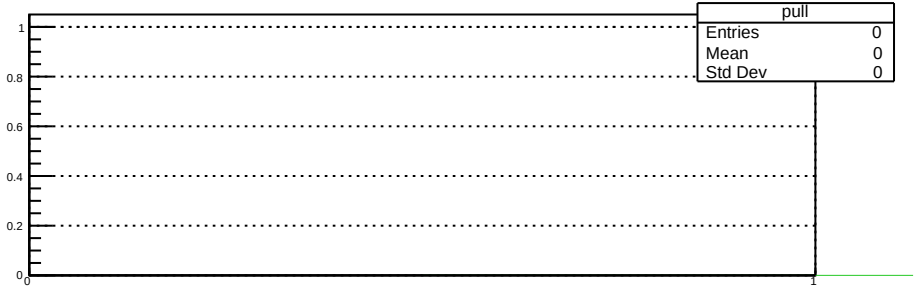

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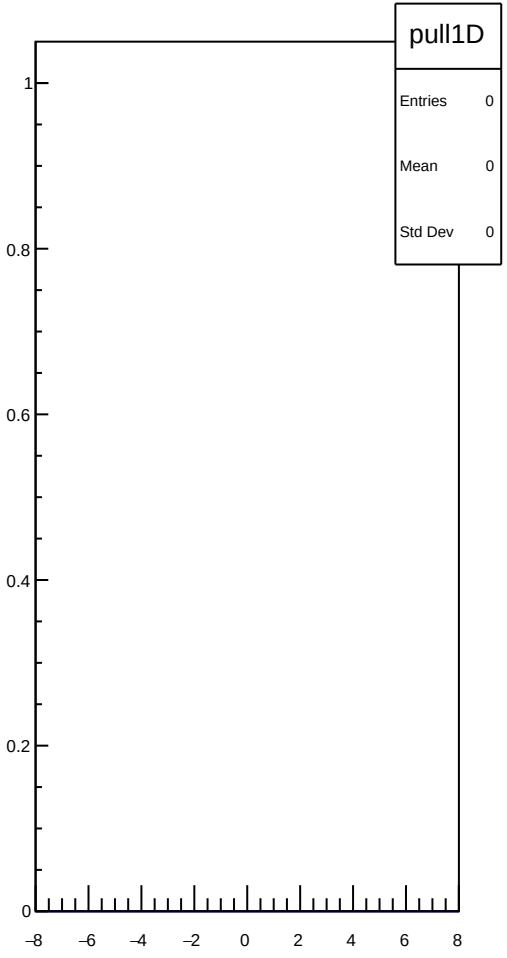

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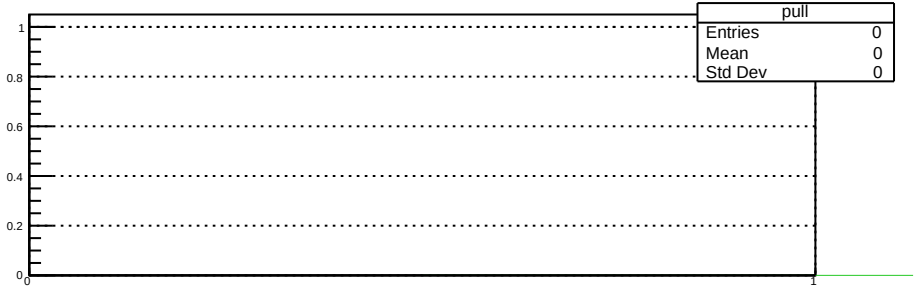

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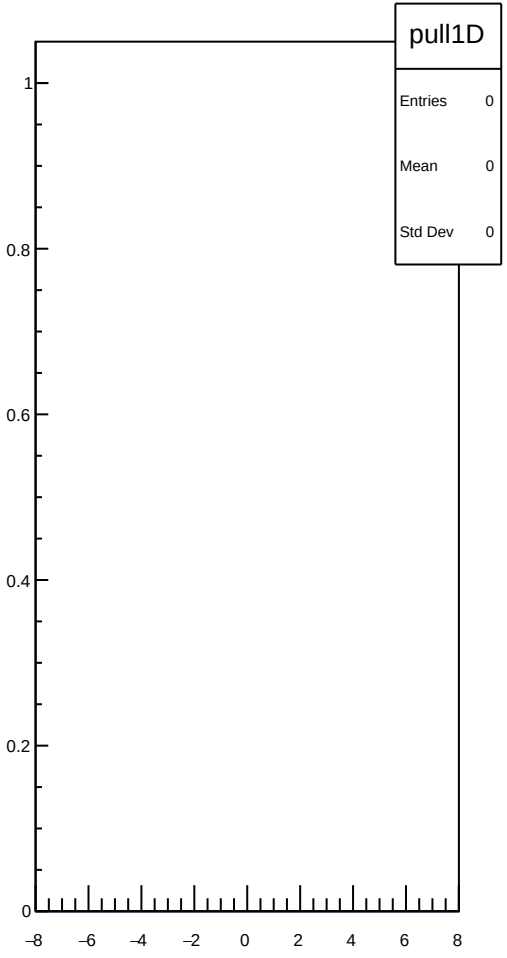

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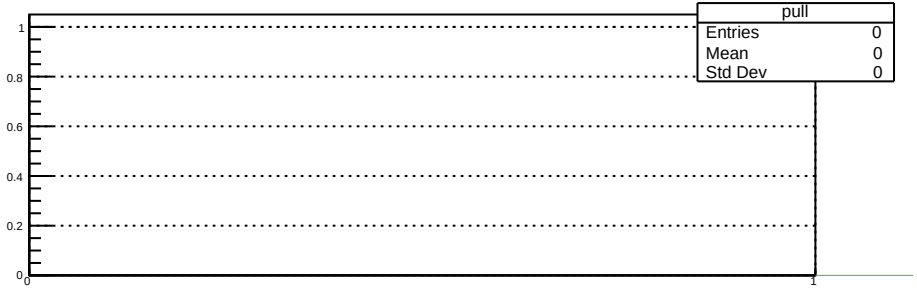

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Std Dev 0
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0.4
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8

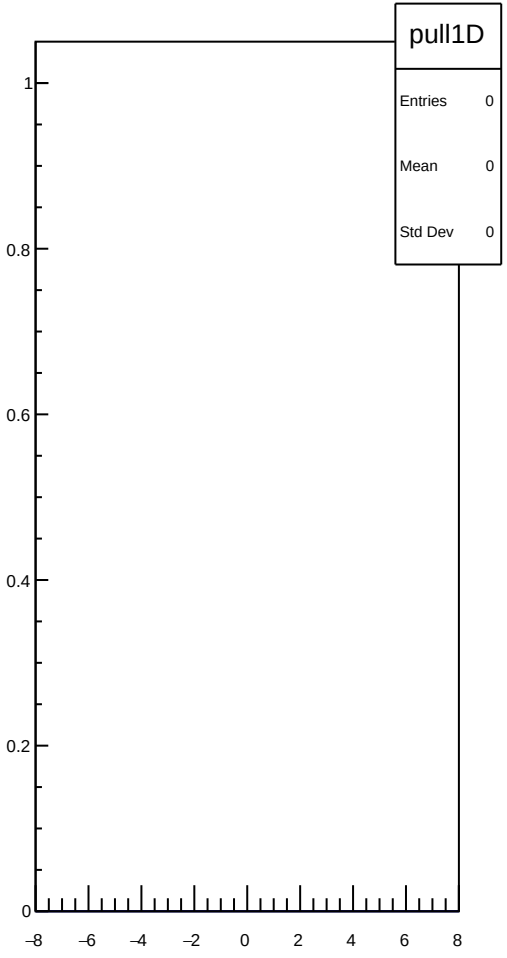

pull
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Std Dev 0
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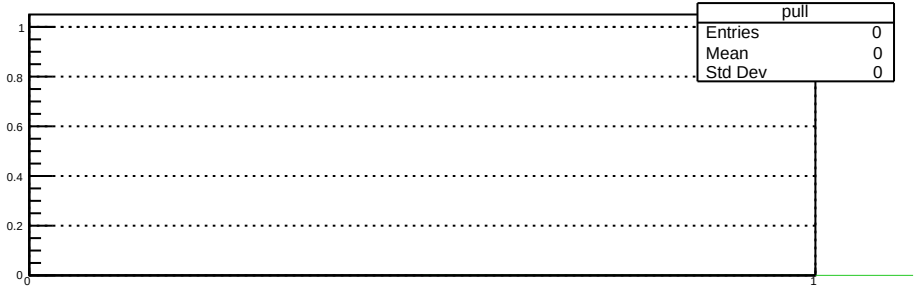

pull1D
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Std Dev 0
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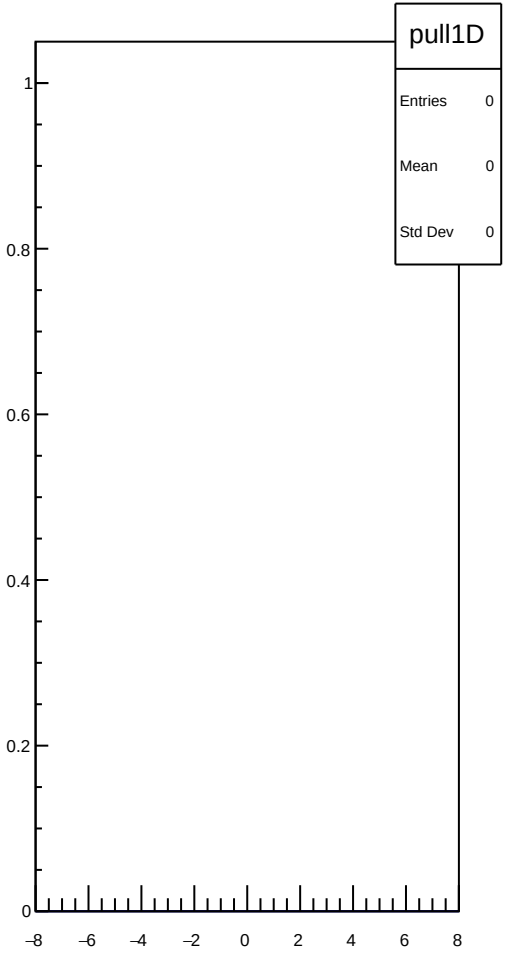

pull
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Mean 0
Std Dev 0
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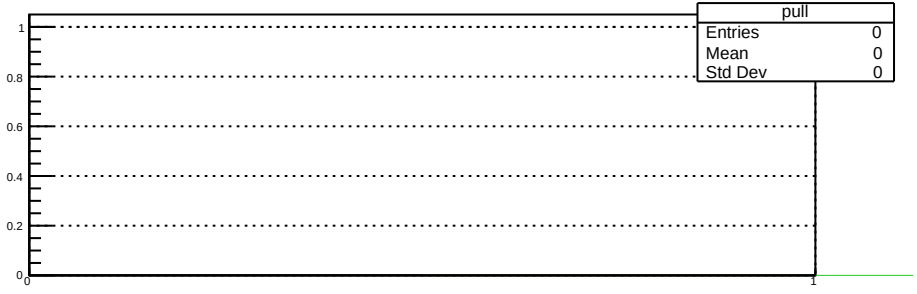

pull1D
Entries 0
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Std Dev 0
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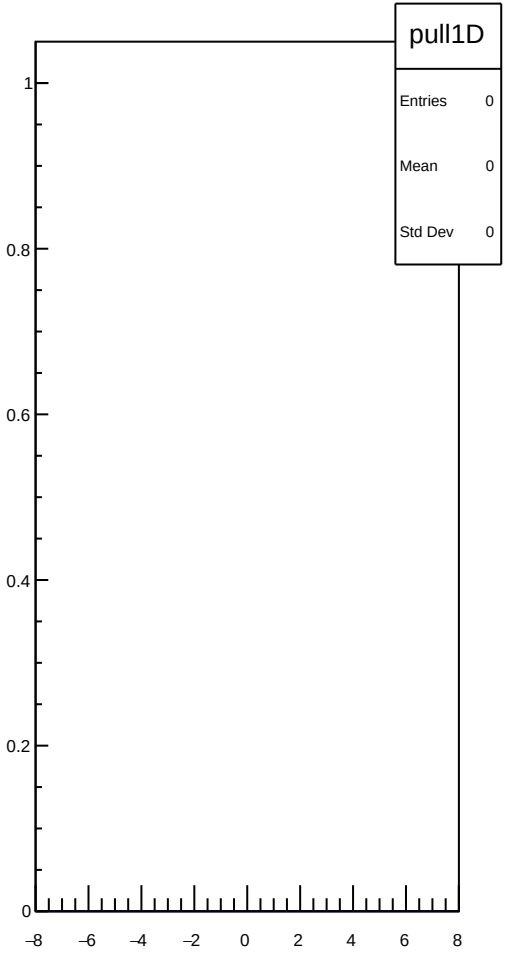

pull
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Std Dev 0
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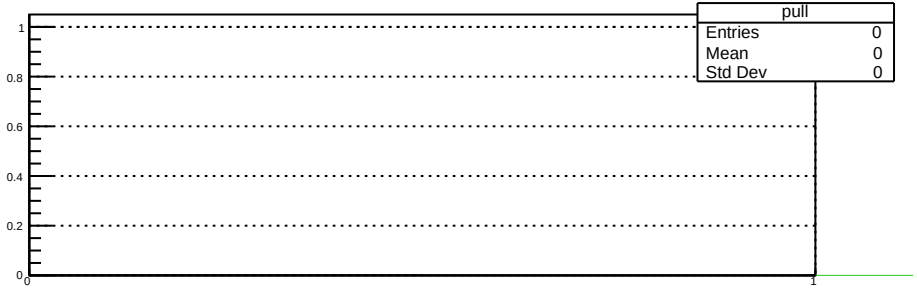

pull1D
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Std Dev 0
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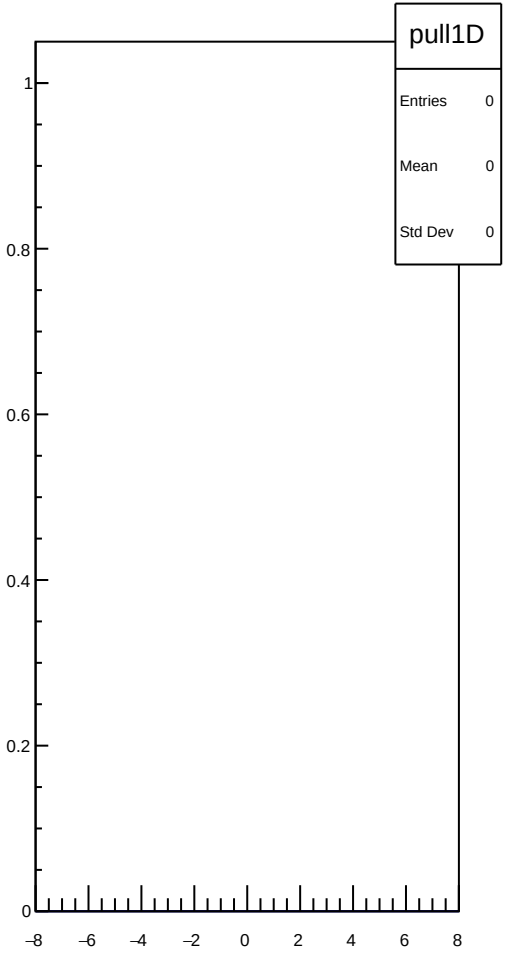

pull
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Std Dev 0
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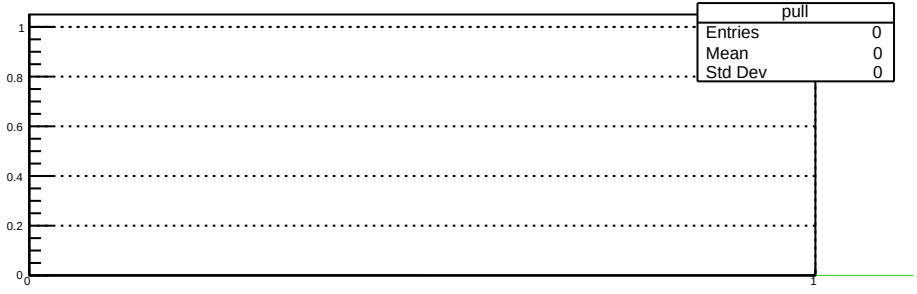

pull1D
Entries 0
Mean 0
Std Dev 0
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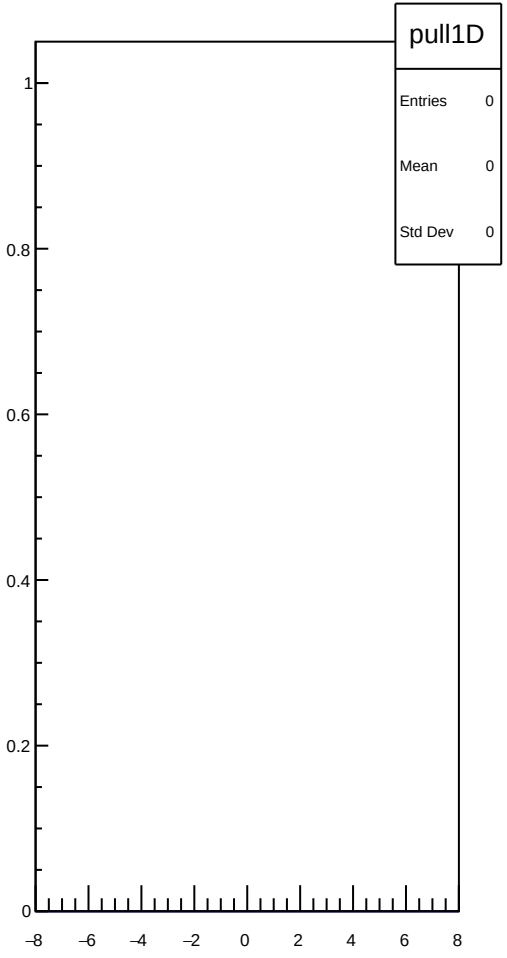

pull
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Mean 0
Std Dev 0
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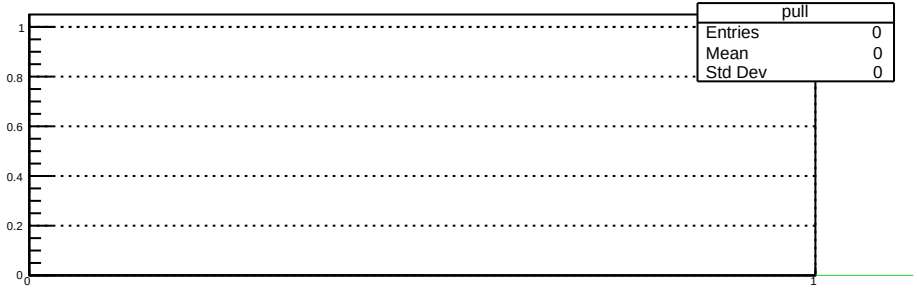

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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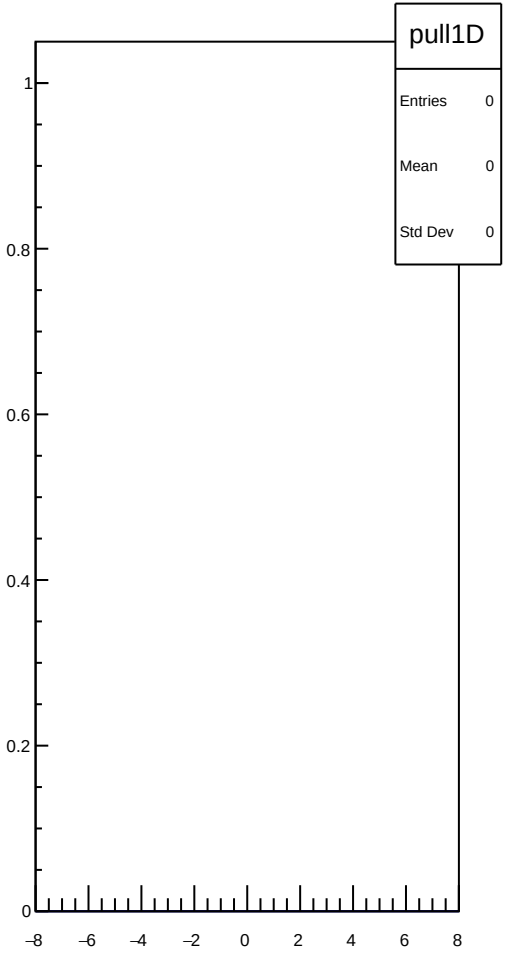

pull
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Std Dev 0
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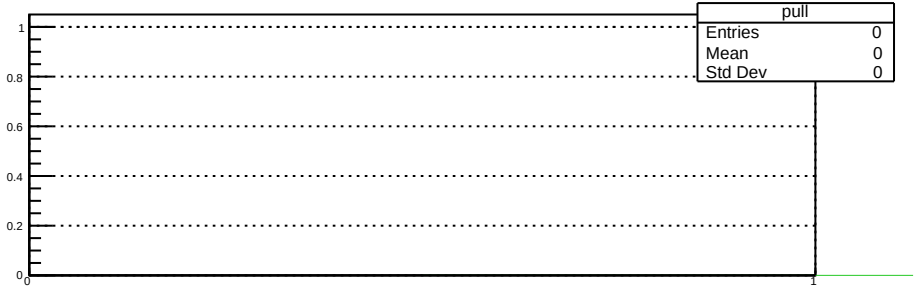

pull1D
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Mean 0
Std Dev 0
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0.4
0.2
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–2
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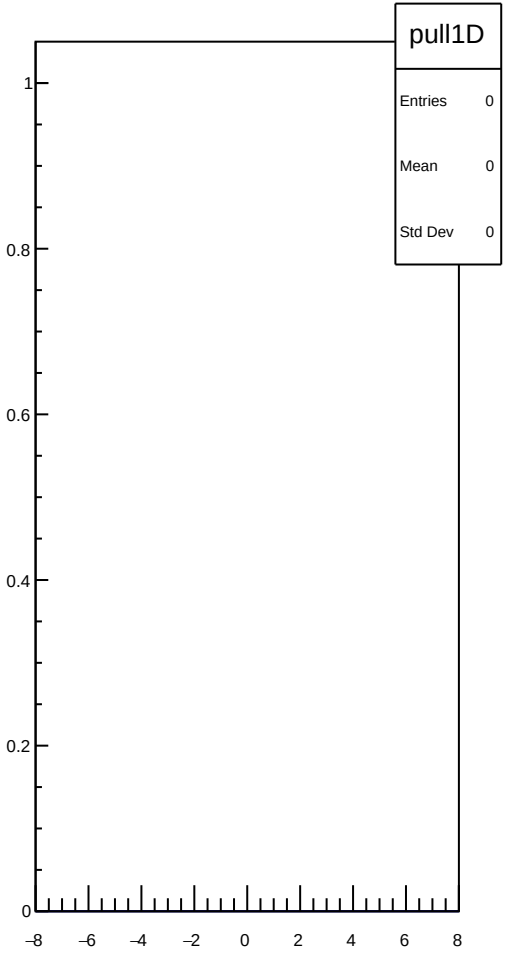

pull
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Mean 0
Std Dev 0
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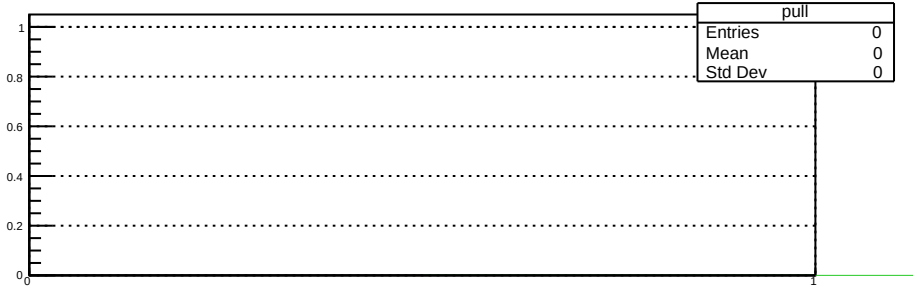

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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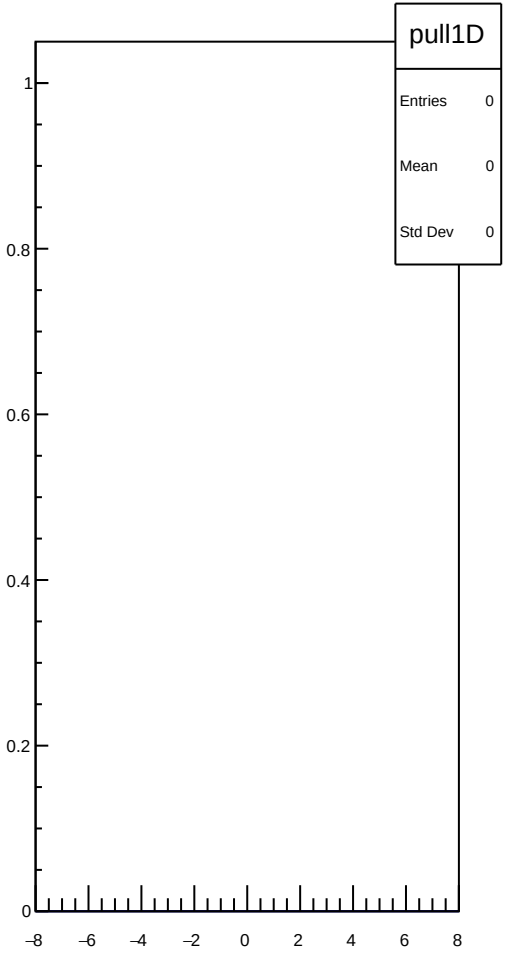

pull
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Std Dev 0
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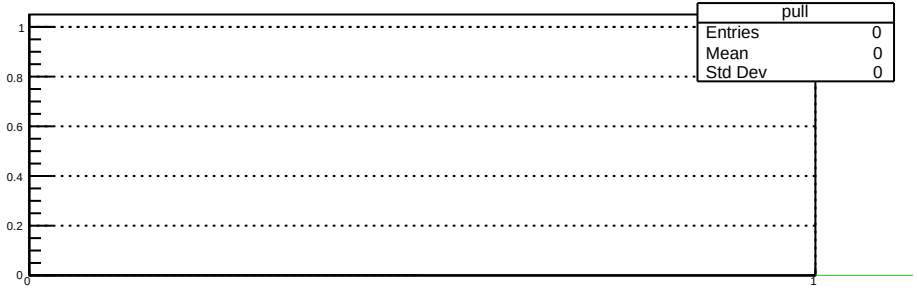

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
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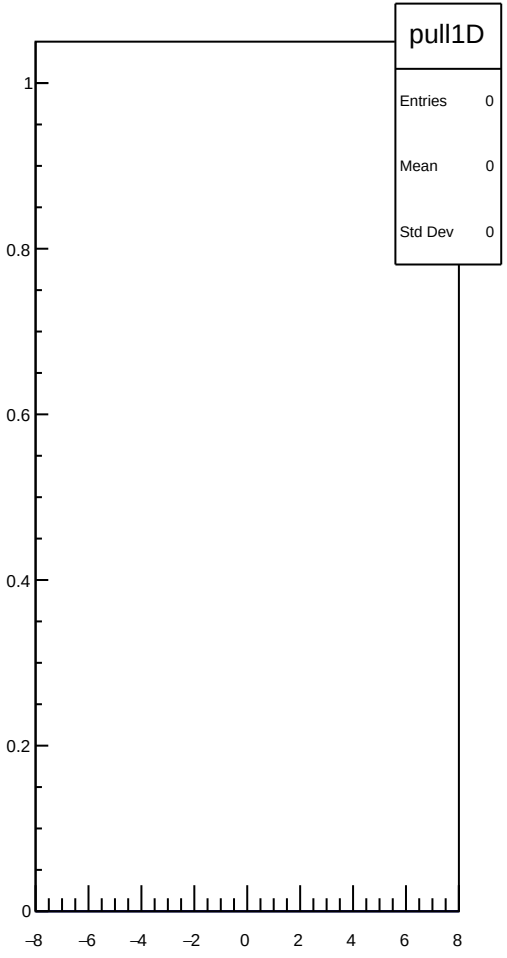

pull
Entries 0
Mean 0
Std Dev 0
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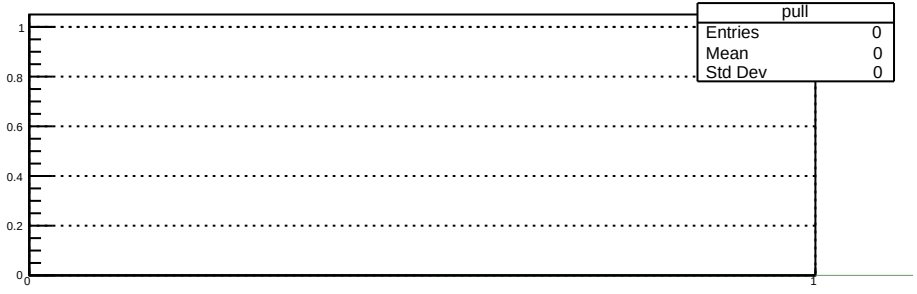

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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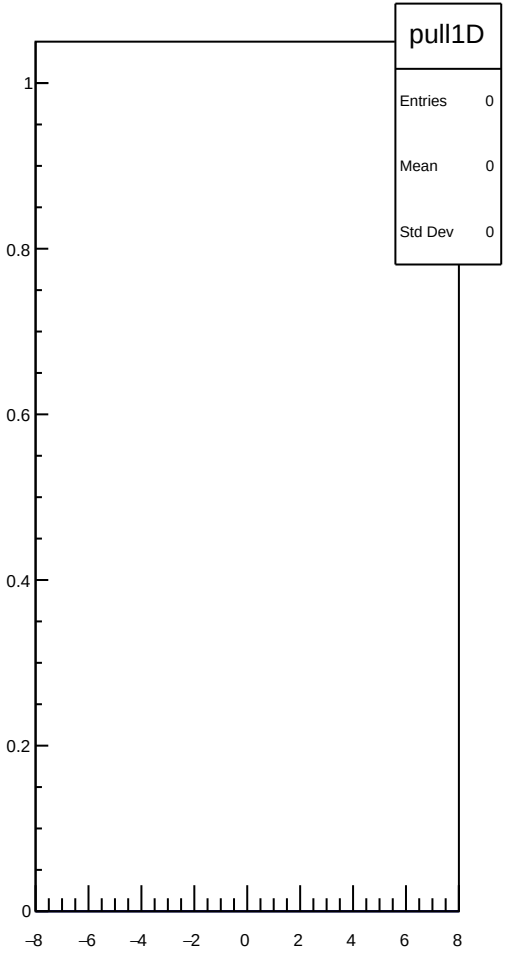

pull
Entries 0
Mean 0
Std Dev 0
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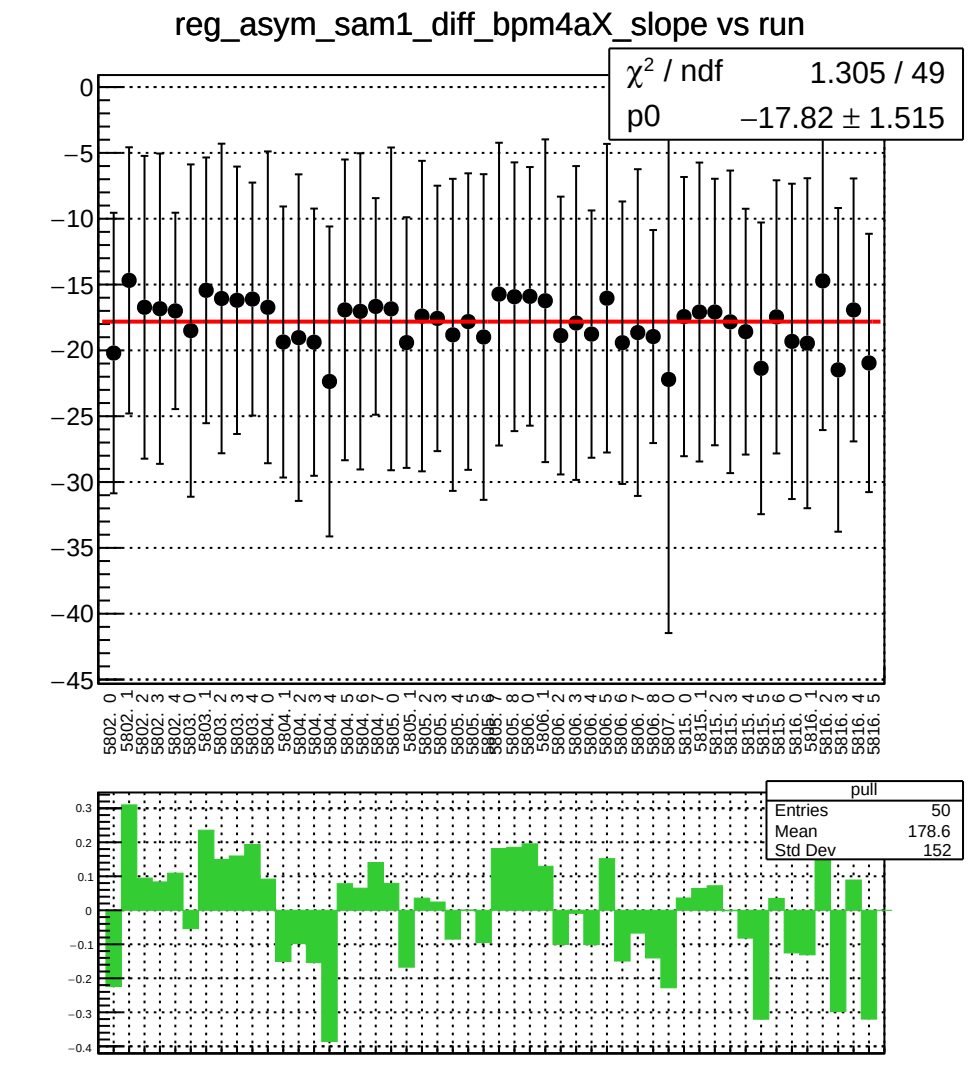

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
–6
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–2
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2
4
6
8

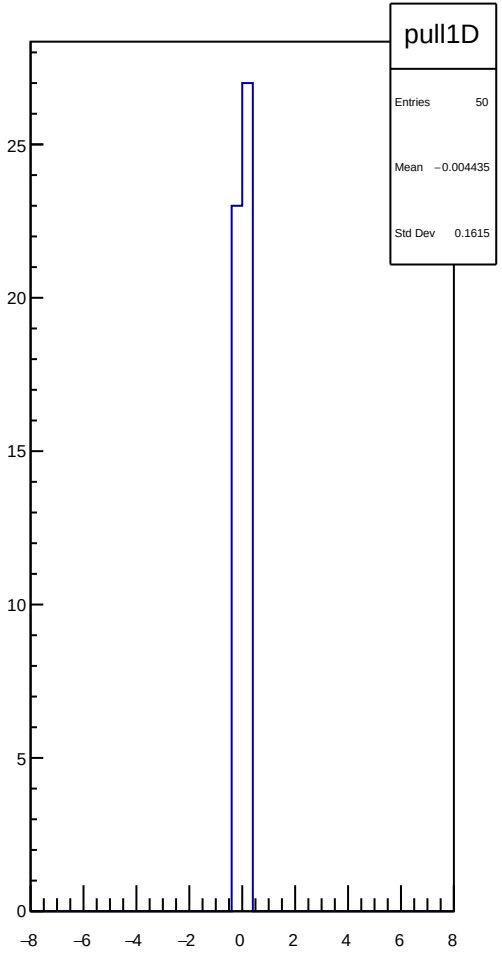

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

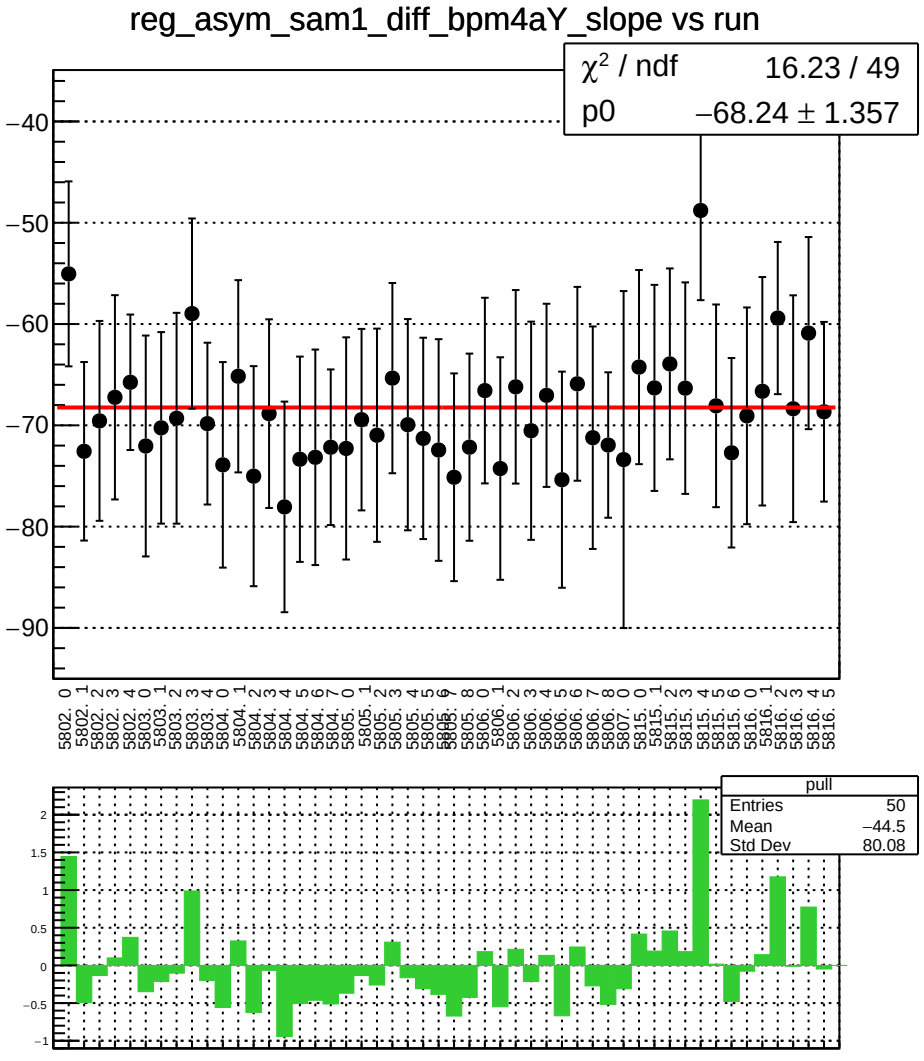

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–2
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2
4
6
8

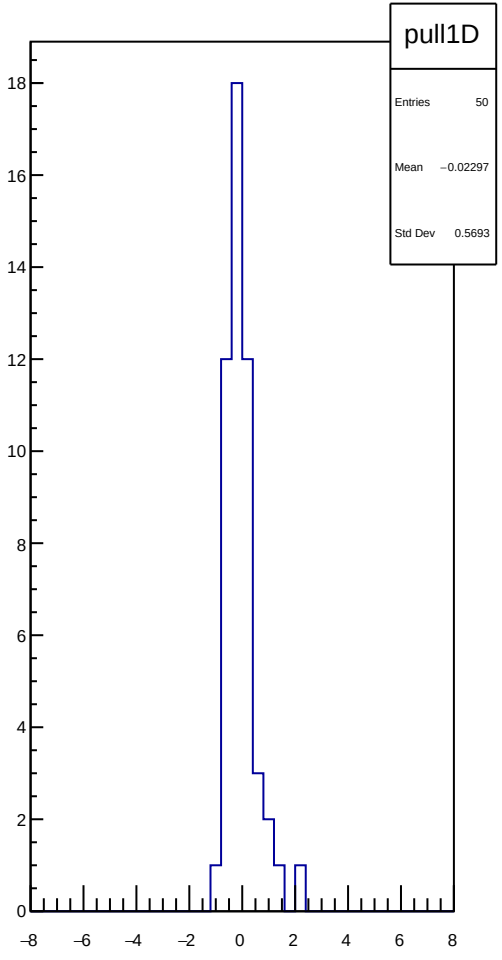

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

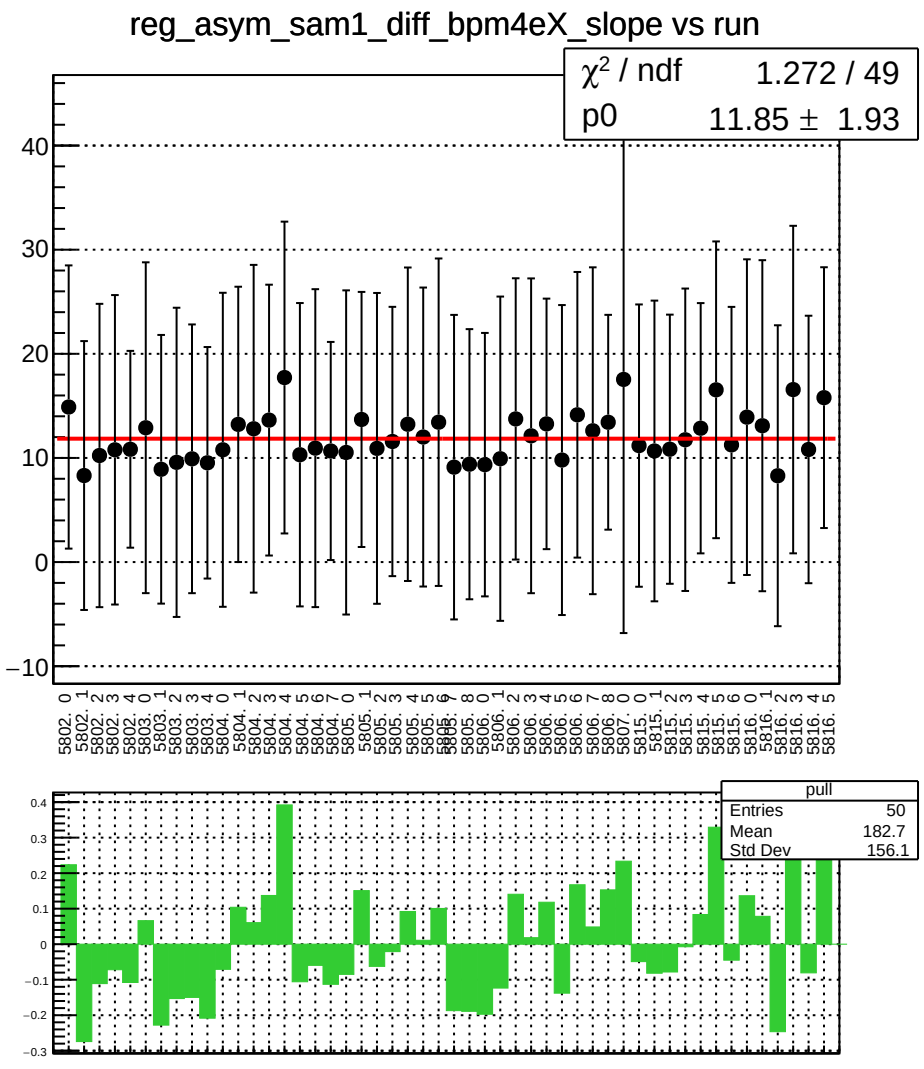

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
–8
–6
–4
–2
0
2
4
6
8

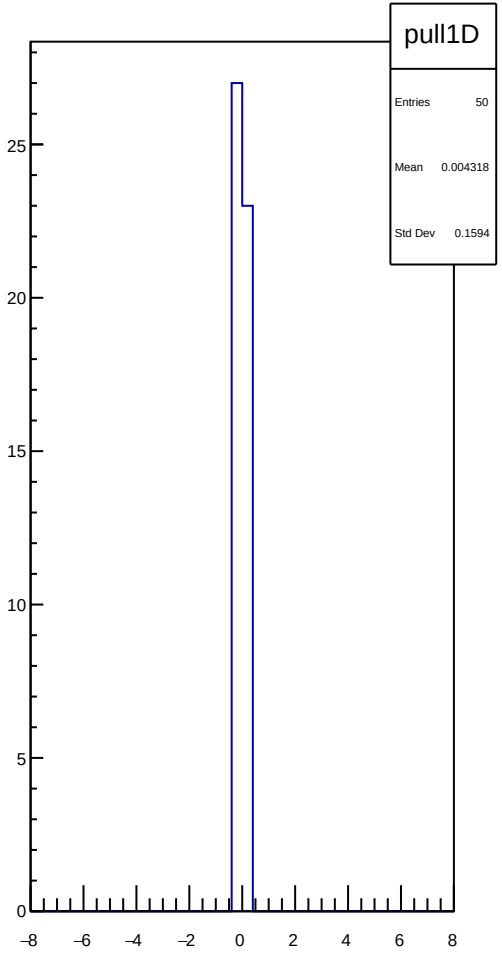

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 1.305 / 49
p0 −17.82 ± 1.515
pull
Entries 50
Mean 178.6
Std Dev 152

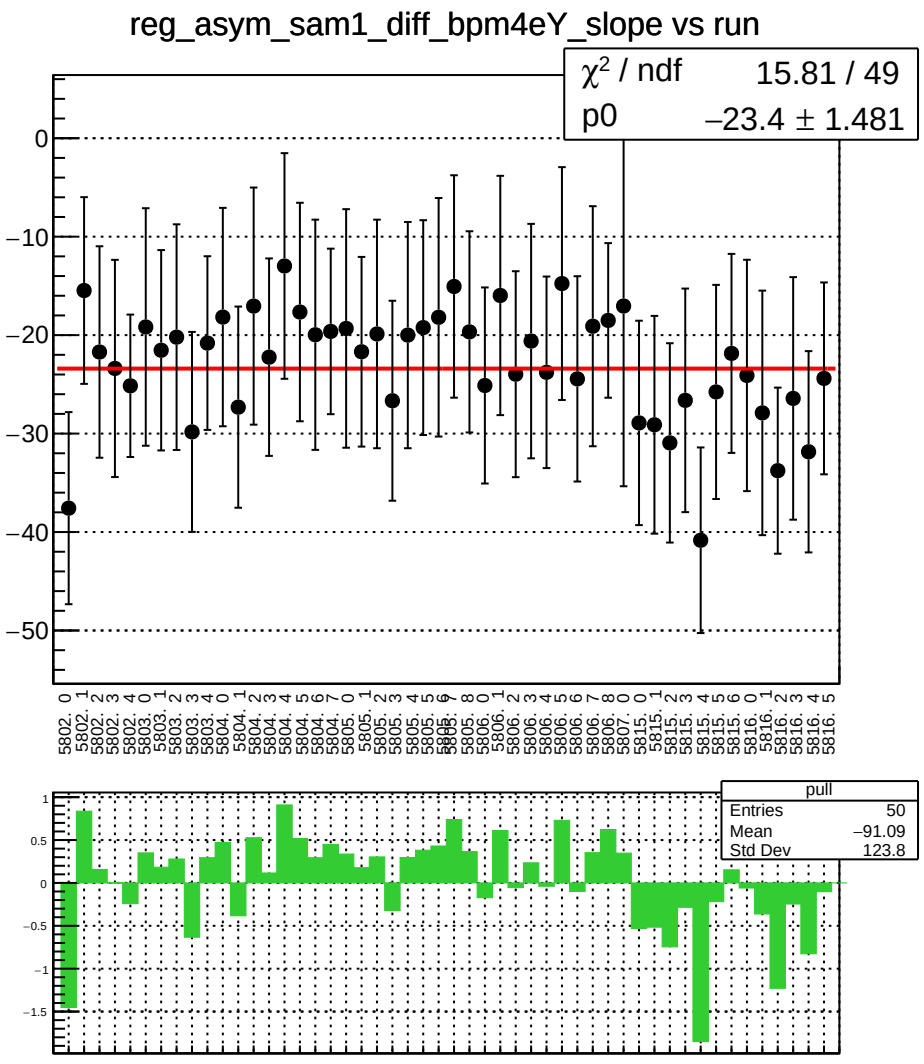

pull1D
Entries 50
Mean −0.004435
Std Dev 0.1615

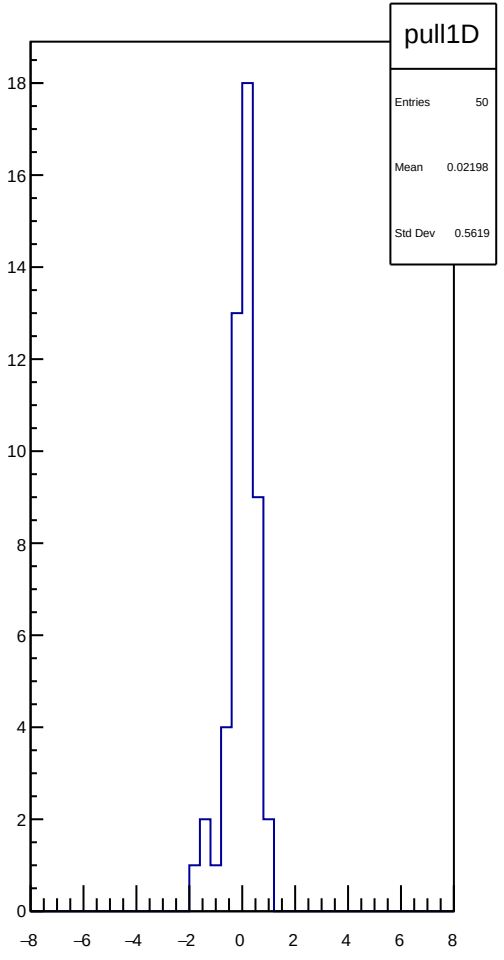

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 16.23 / 49
p0 −68.24 ± 1.357
pull
Entries 50
Mean −44.5
Std Dev 80.08

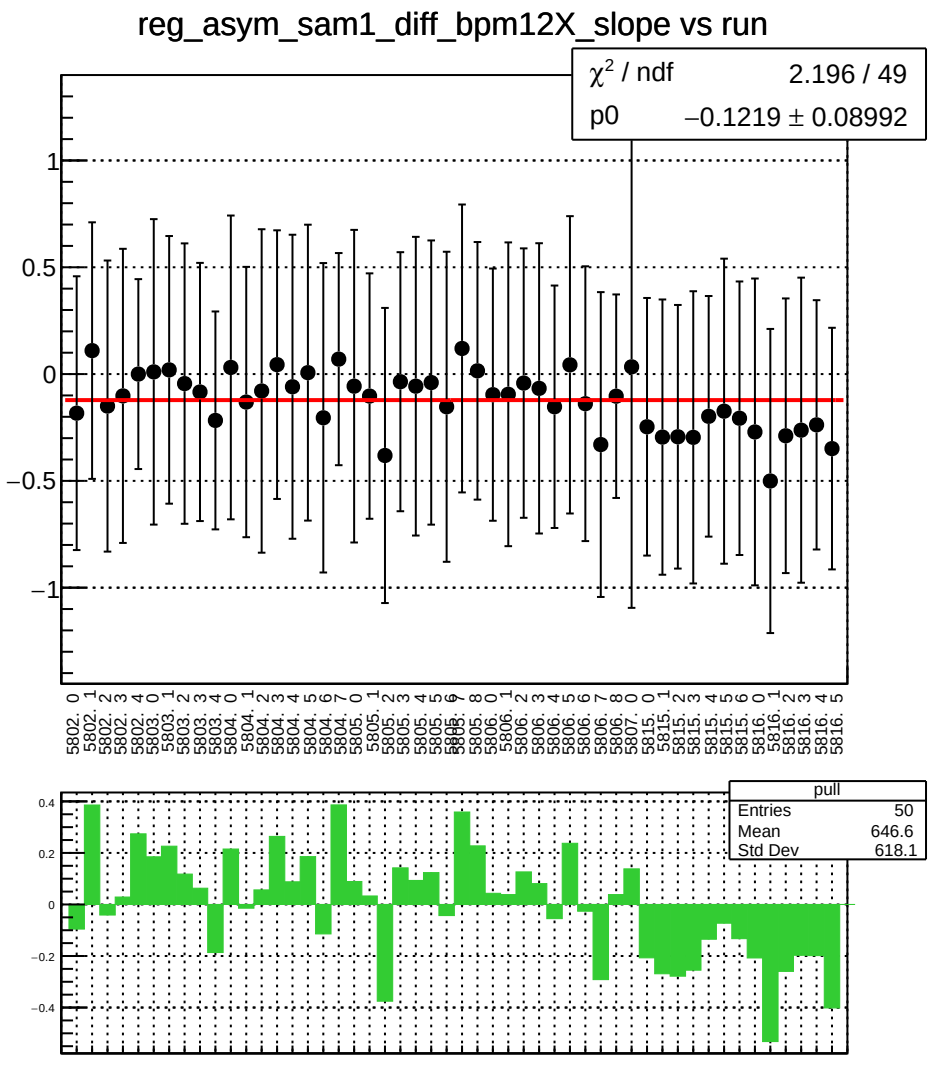

pull1D
Entries 50
Mean −0.02297
Std Dev 0.5693

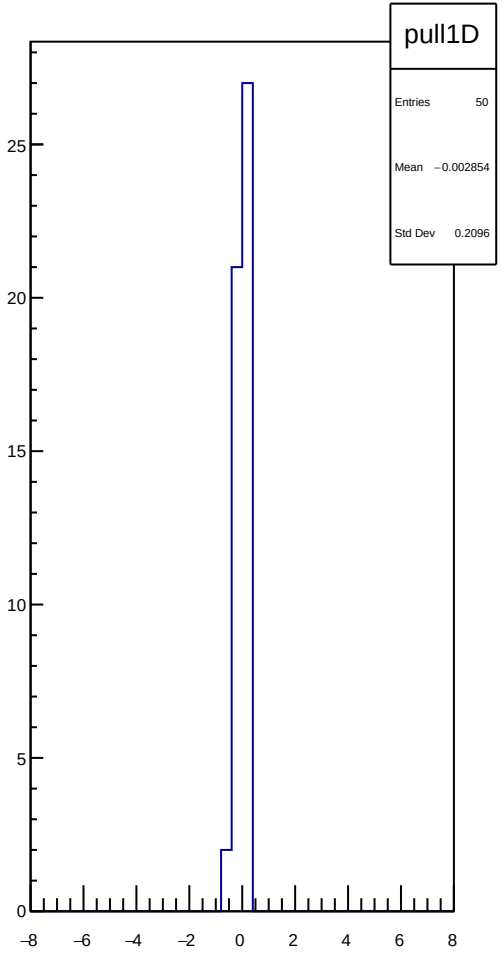

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.272 / 49
p0 11.85 ± 1.93
pull
Entries 50
Mean 182.7
Std Dev 156.1

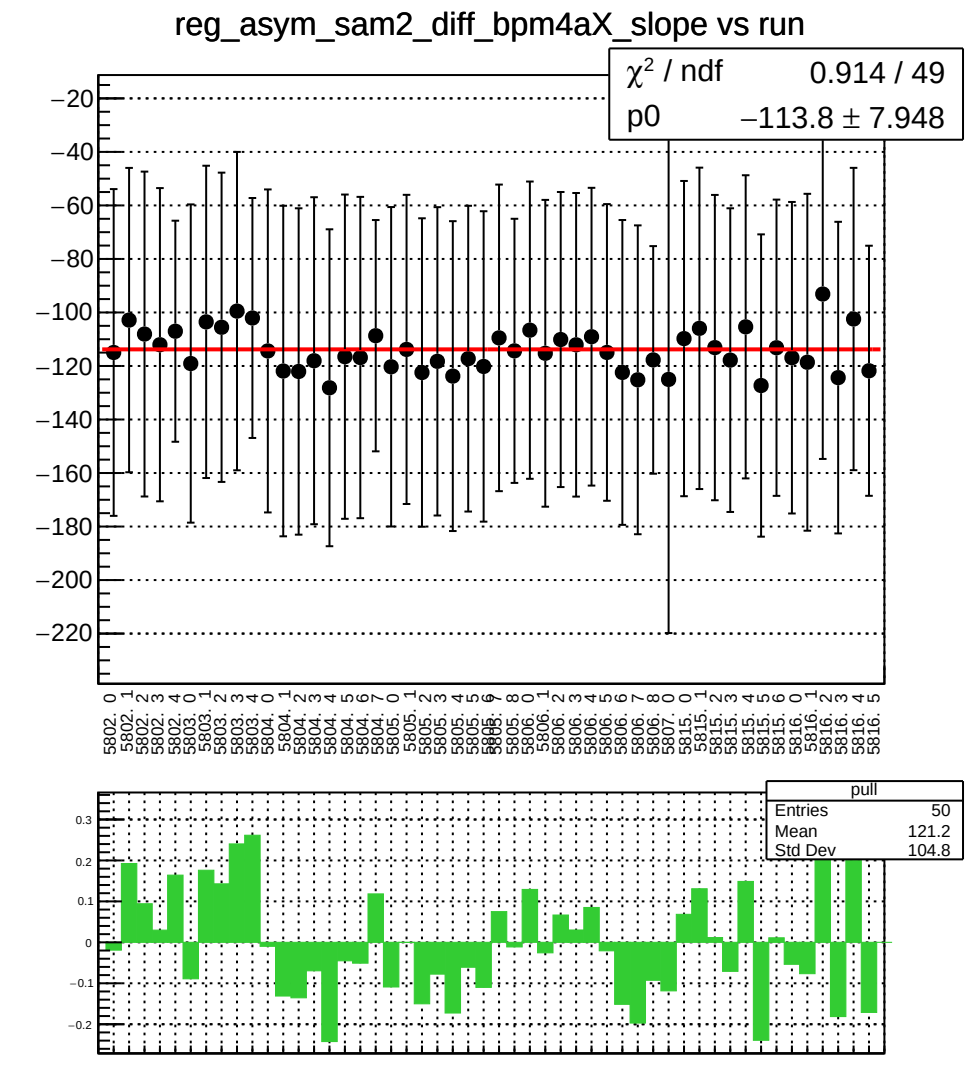

pull1D
Entries 50
Mean 0.004318
Std Dev 0.1594

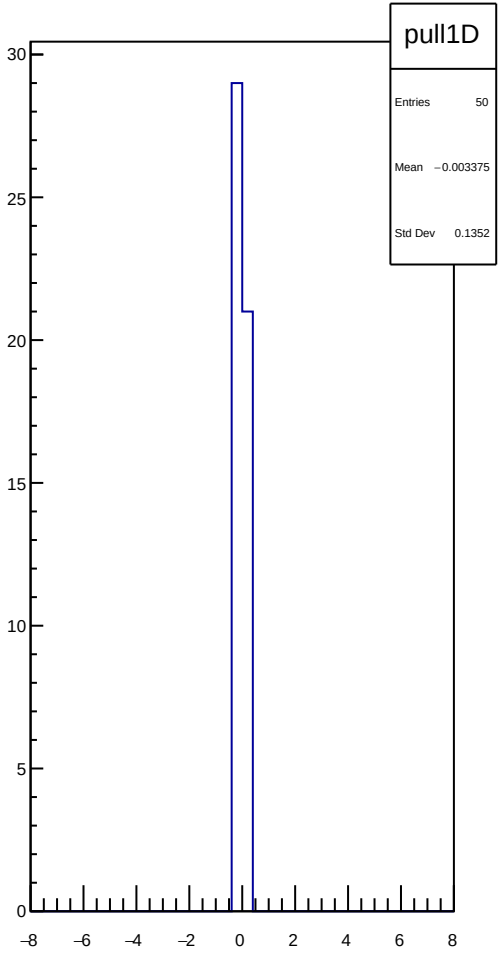

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 15.81 / 49
p0 –23.4 ± 1.481
pull
Entries 50
Mean –91.09
Std Dev 123.8

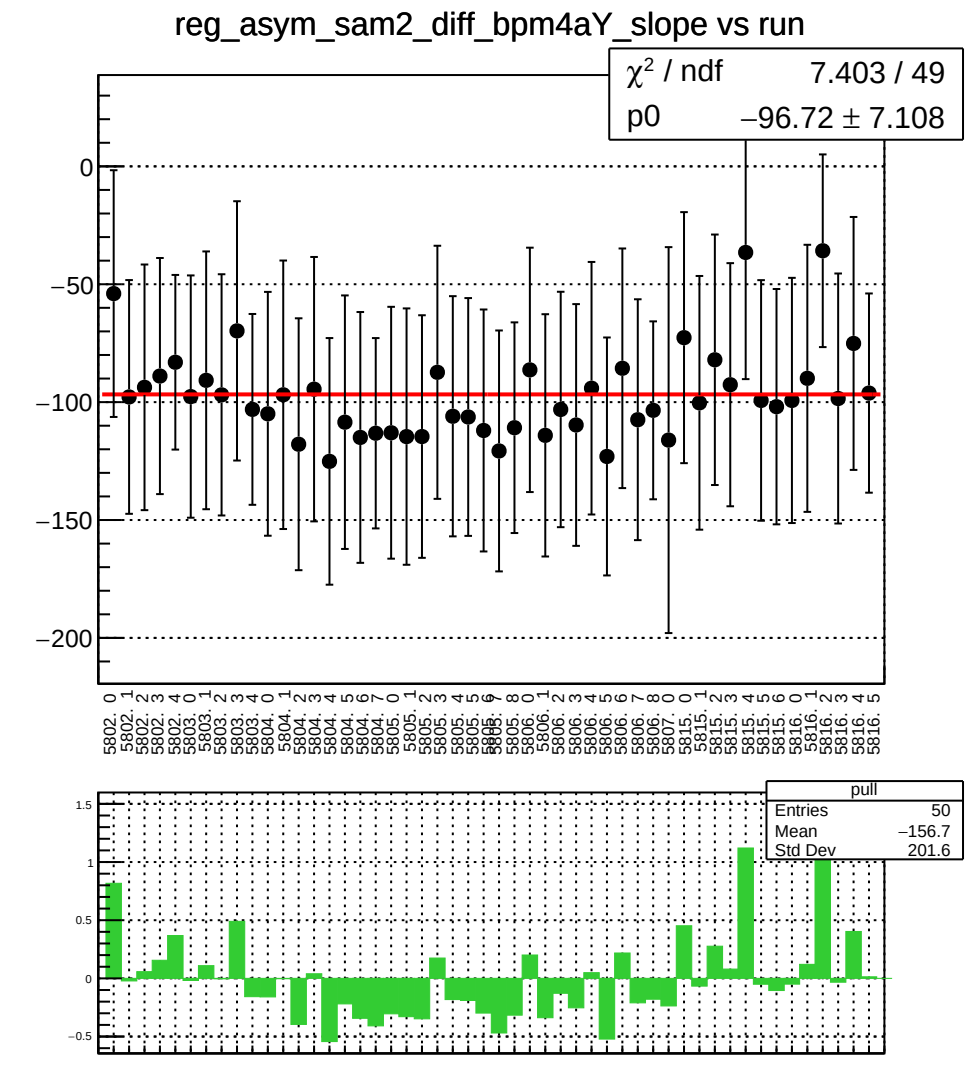

pull1D
Entries 50
Mean 0.02198
Std Dev 0.5619

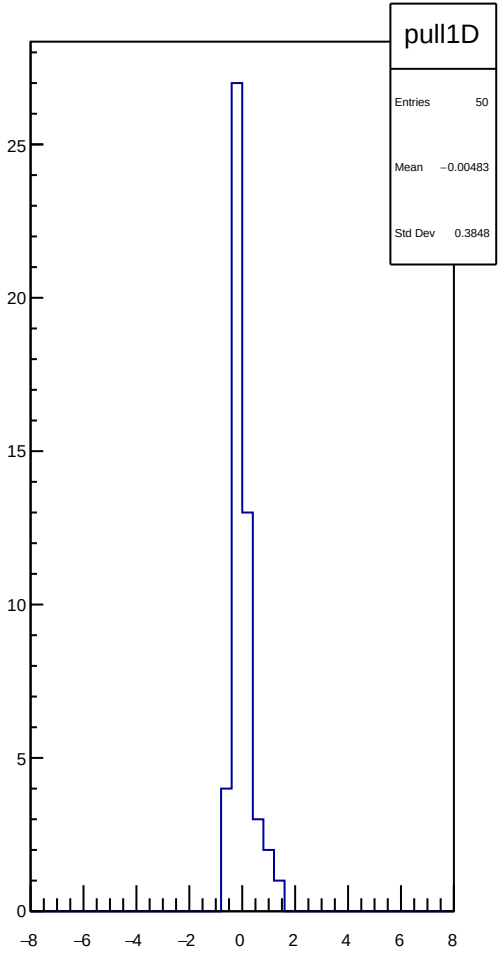

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.196 / 49
p0 −0.1219 ± 0.08992
pull
Entries 50
Mean 646.6
Std Dev 618.1

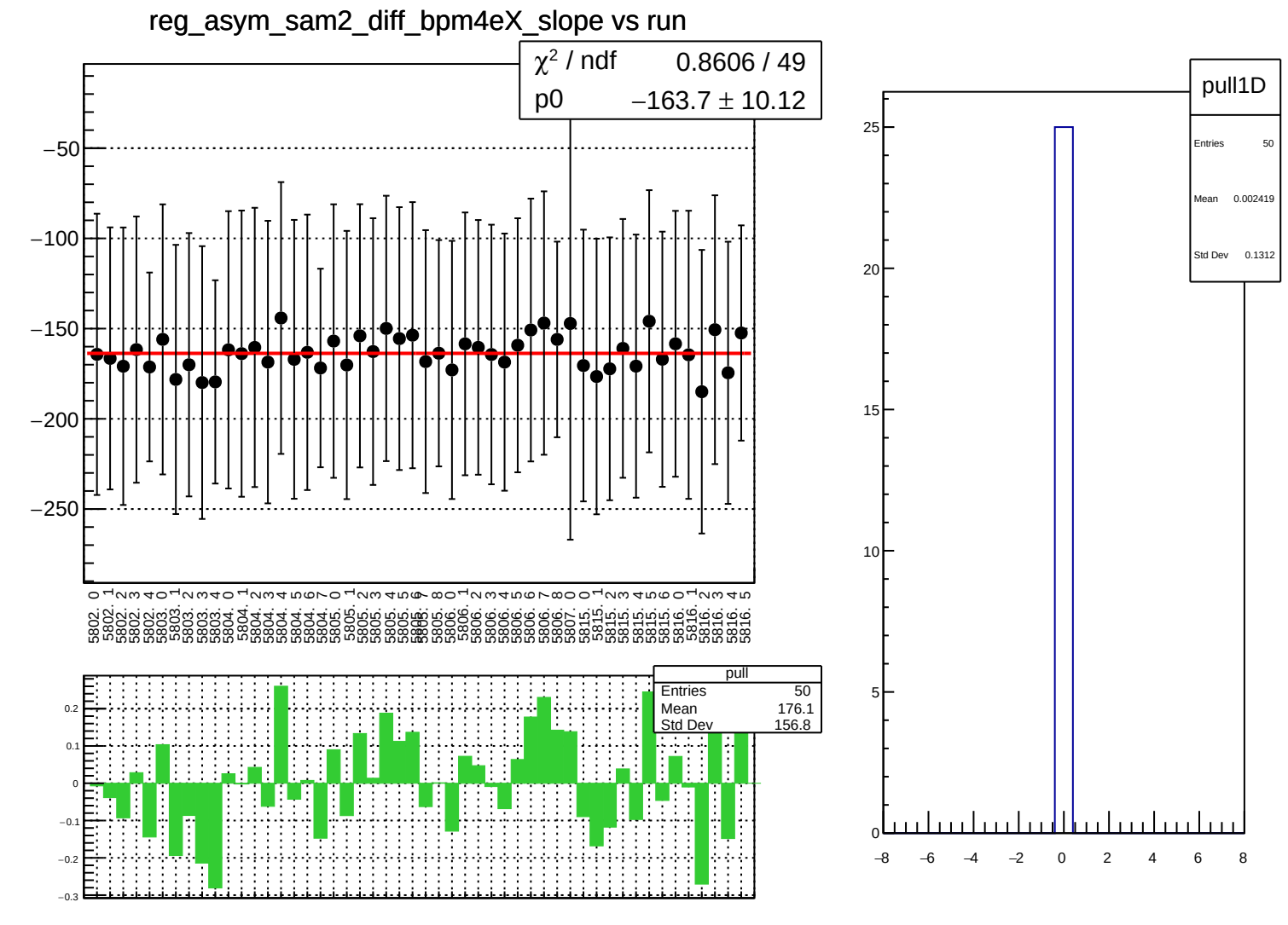

pull1D
Entries 50
Mean −0.002854
Std Dev 0.2096

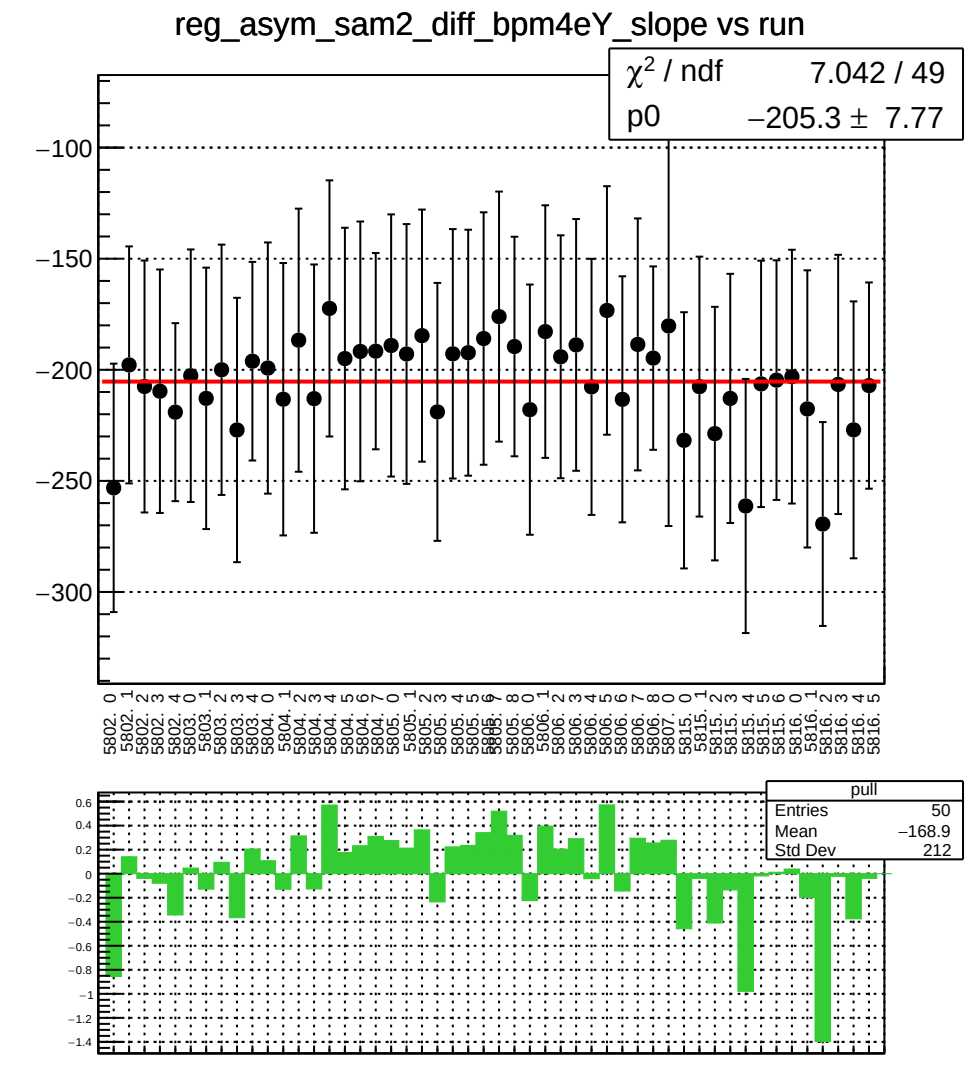

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 0.914 / 49
p0 −113.8 ± 7.948
pull
Entries 50
Mean 121.2
Std Dev 104.8

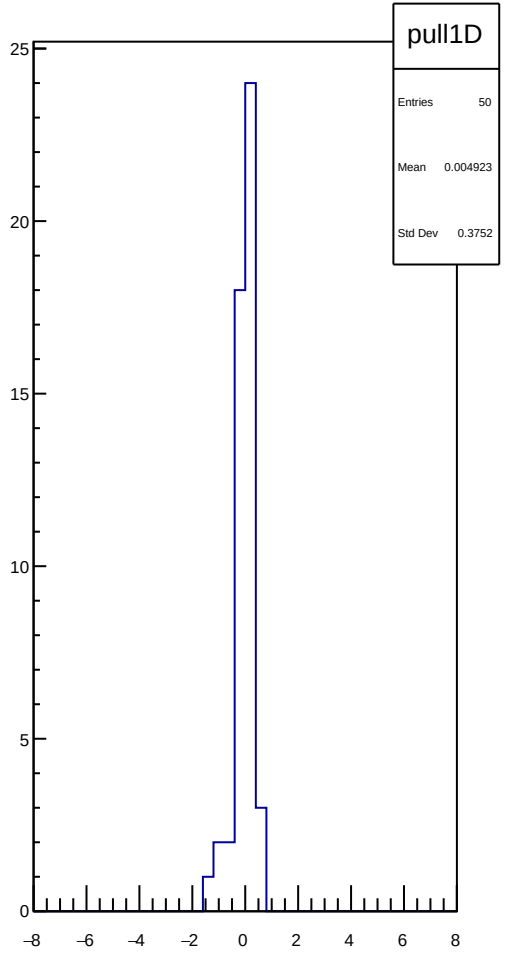

pull1D
Entries 50
Mean −0.003375
Std Dev 0.1352

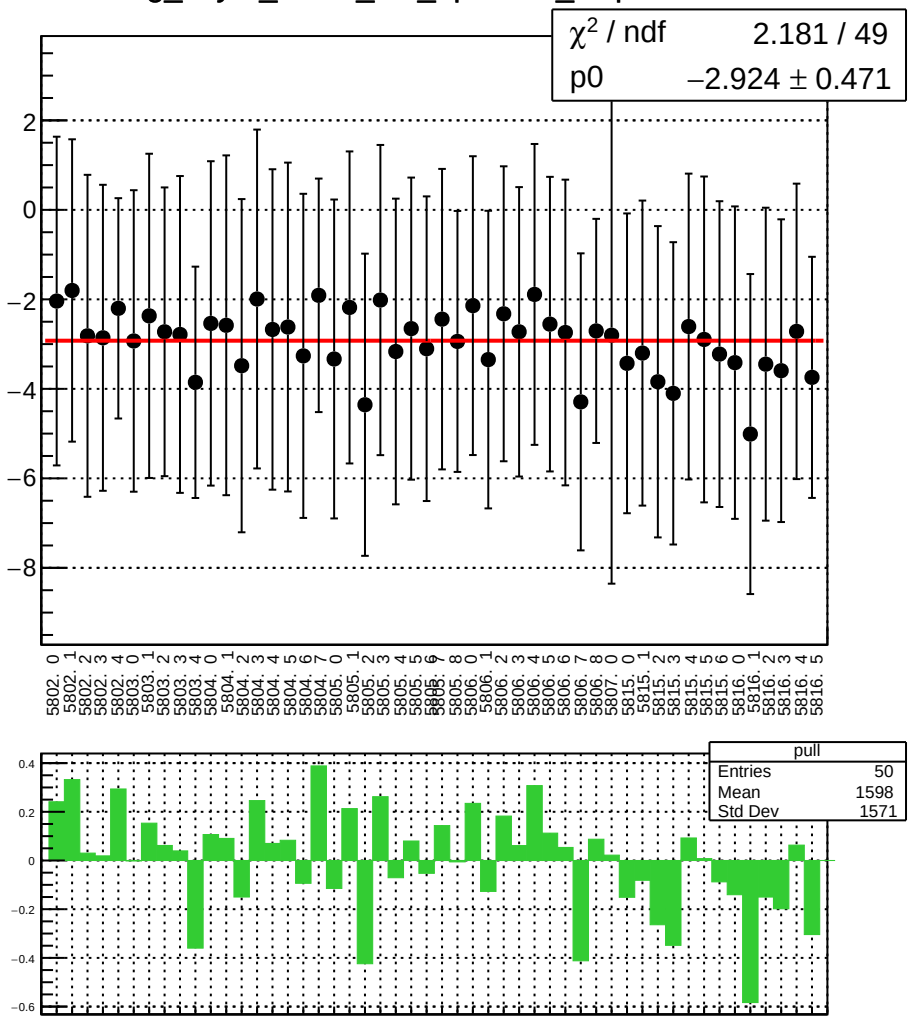

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.403 / 49
p0 −96.72 ± 7.108
0
−50
−100
−150
−200
pull
Entries 50
Mean −156.7
Std Dev 201.6
1.5
1
0.5
0
−0.5

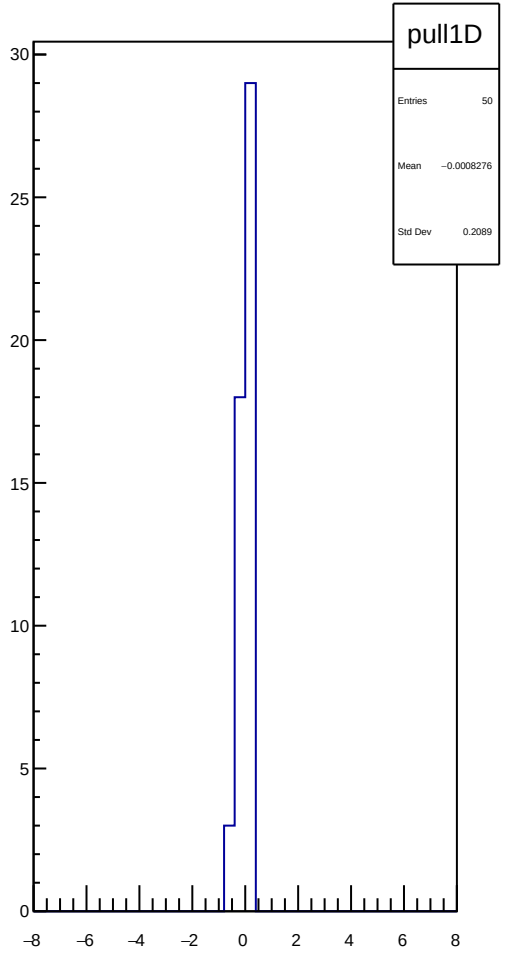

pull1D
Entries 50
Mean −0.00483
Std Dev 0.3848
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

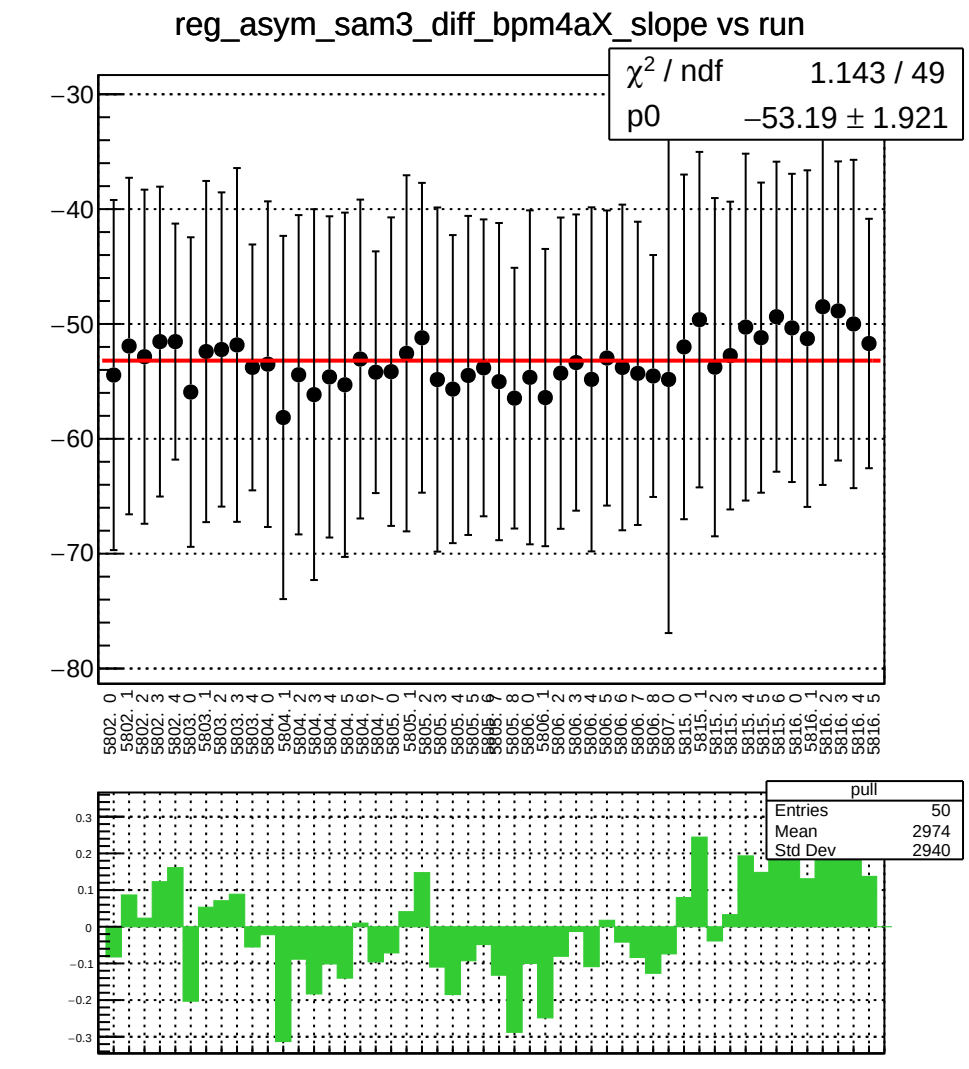

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.8606 / 49
p0 −163.7 ± 10.12
pull
Entries 50
Mean 176.1
Std Dev 156.8
pull1D
Entries 50
Mean 0.002419
Std Dev 0.1312

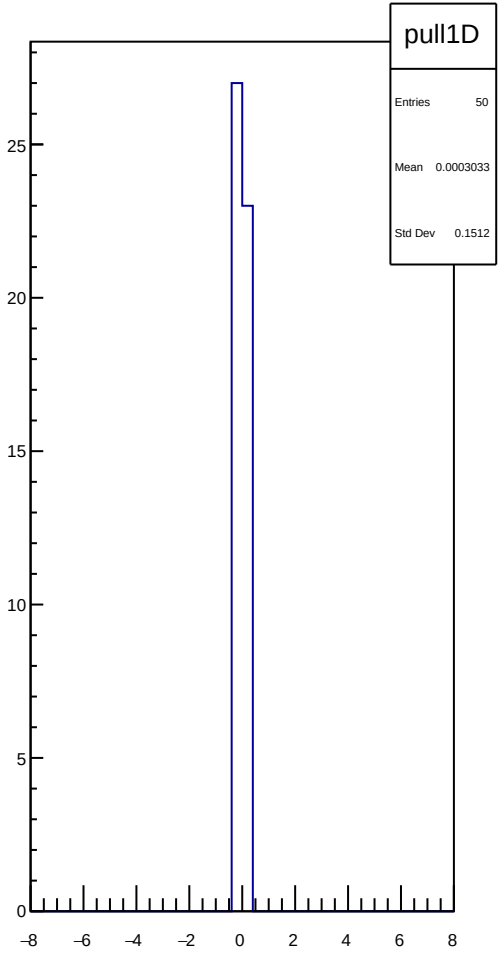

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.042 / 49
p0 −205.3 ± 7.77
pull
Entries 50
Mean −168.9
Std Dev 212

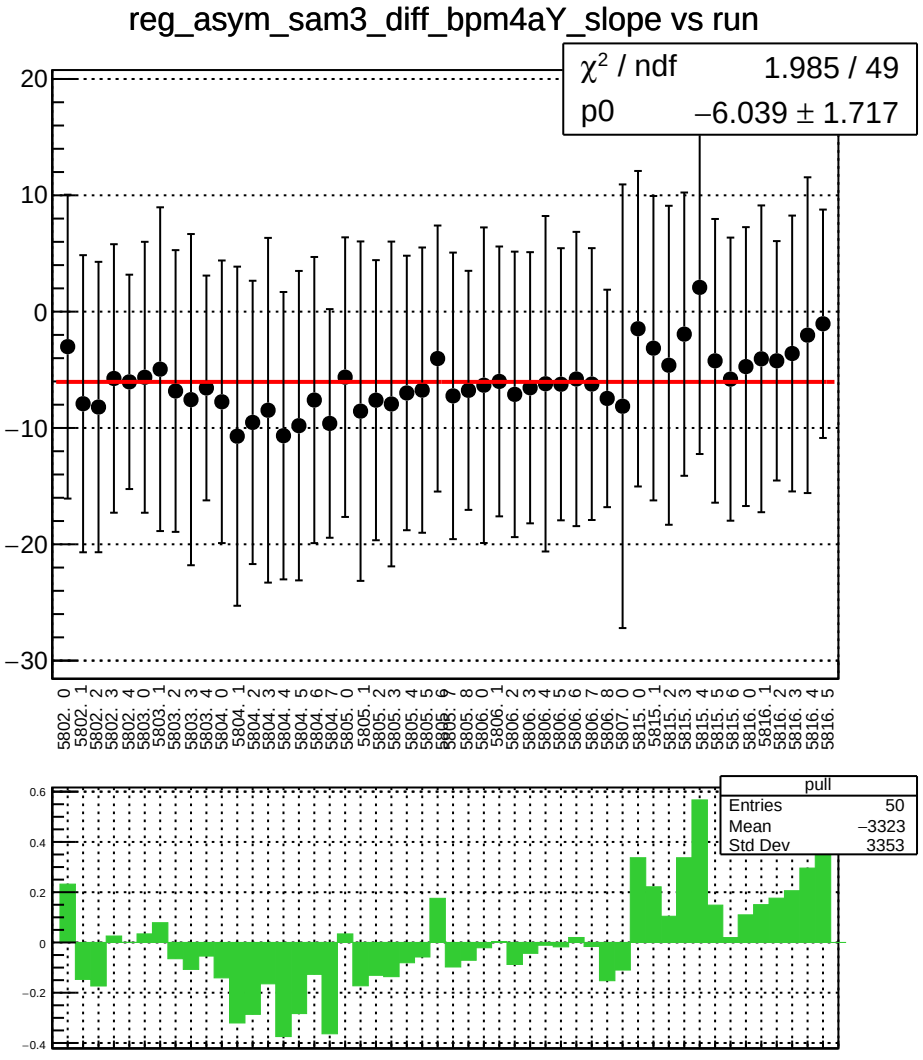

pull1D
Entries 50
Mean 0.004923
Std Dev 0.3752

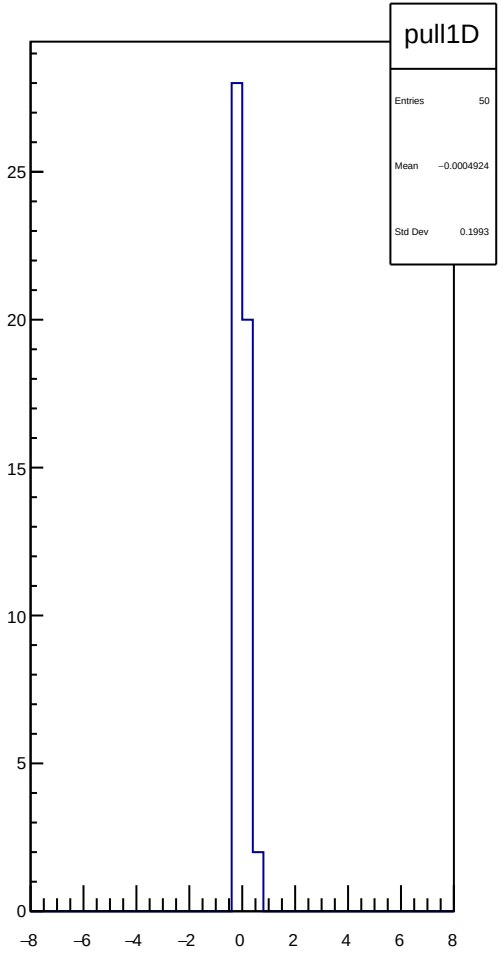

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.181 / 49
p0 −2.924 ± 0.471
pull
Entries 50
Mean 1598
Std Dev 1571

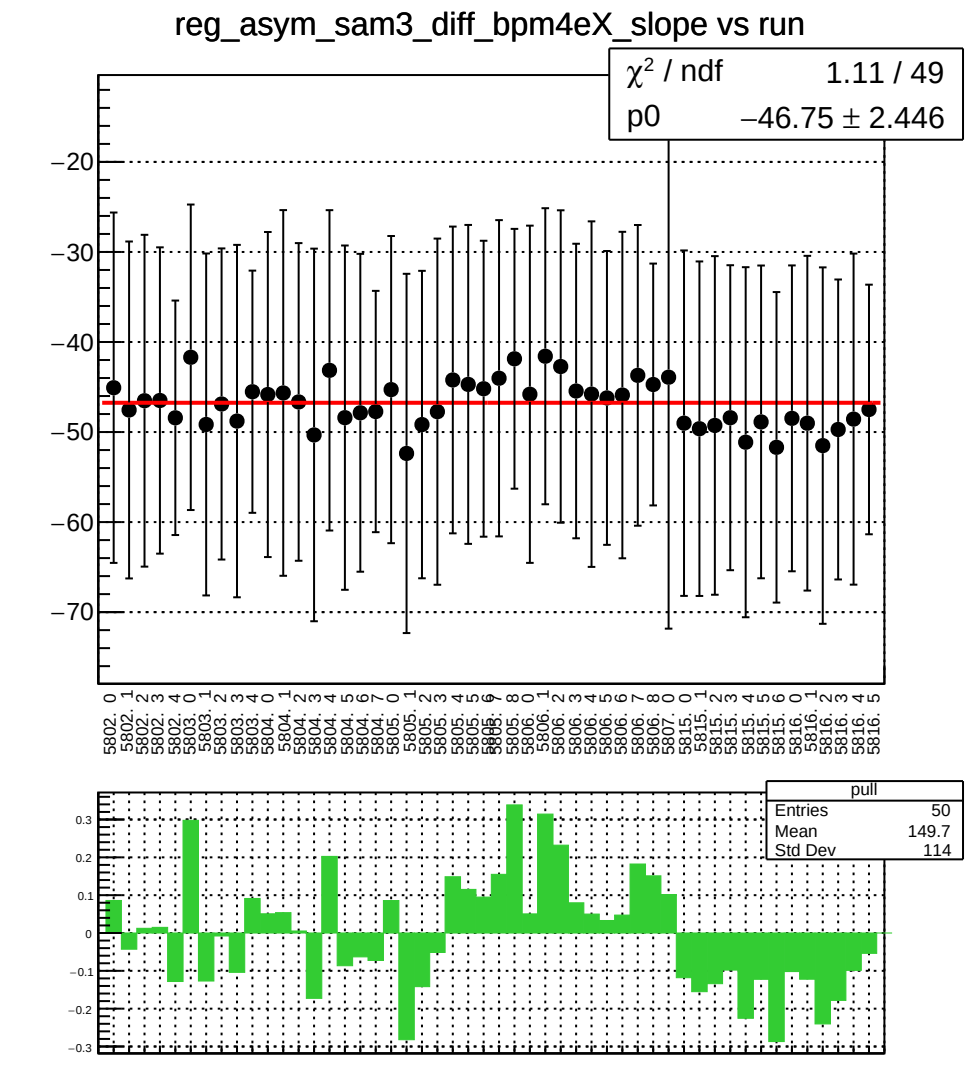

pull1D
Entries 50
Mean −0.0008276
Std Dev 0.2089

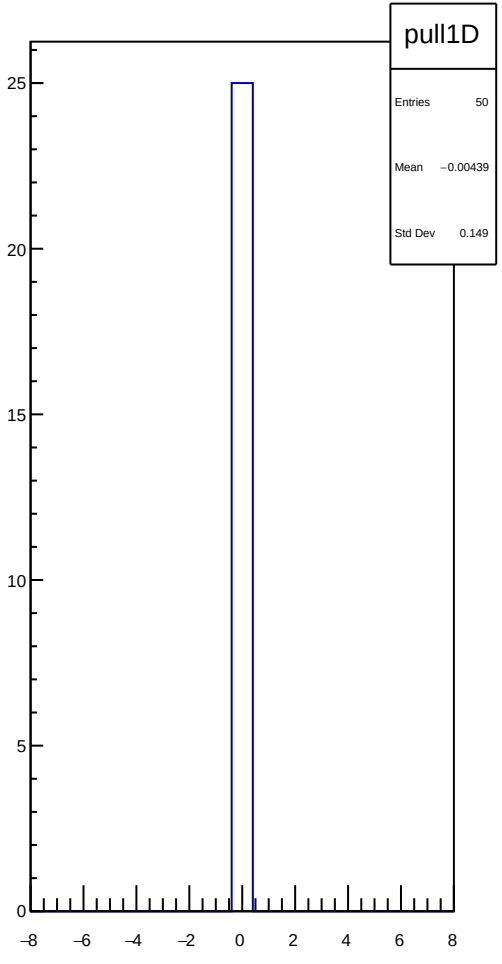

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 1.143 / 49
p0 −53.19 ± 1.921
pull
Entries 50
Mean 2974
Std Dev 2940

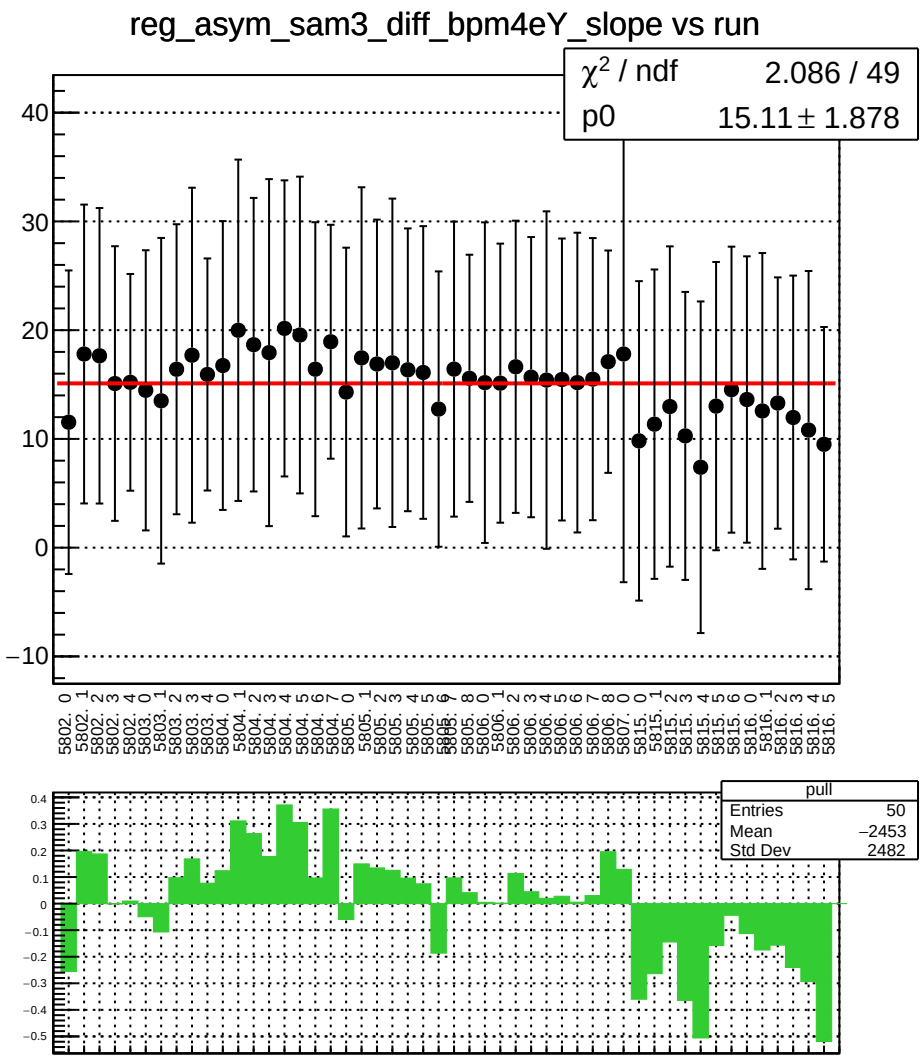

pull1D
Entries 50
Mean 0.0003033
Std Dev 0.1512

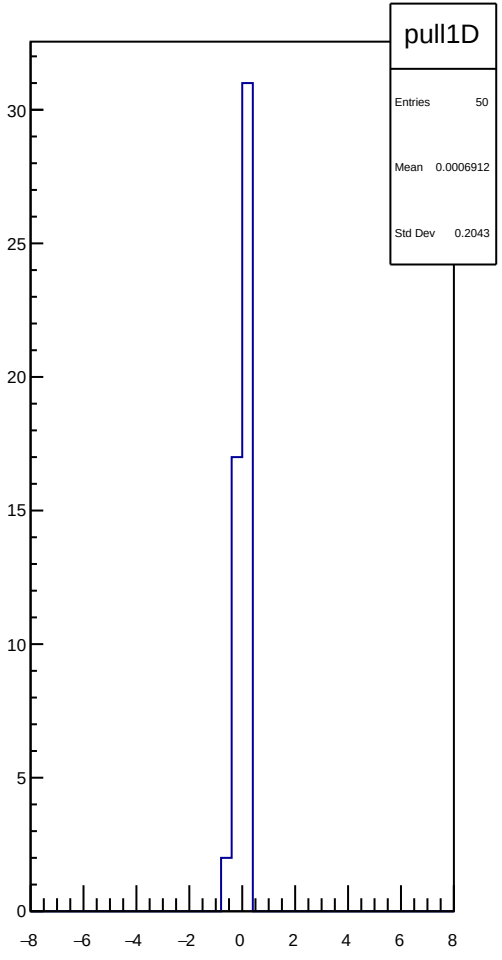

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.985 / 49
p0 −6.039 ± 1.717
pull
Entries 50
Mean −3323
Std Dev 3353

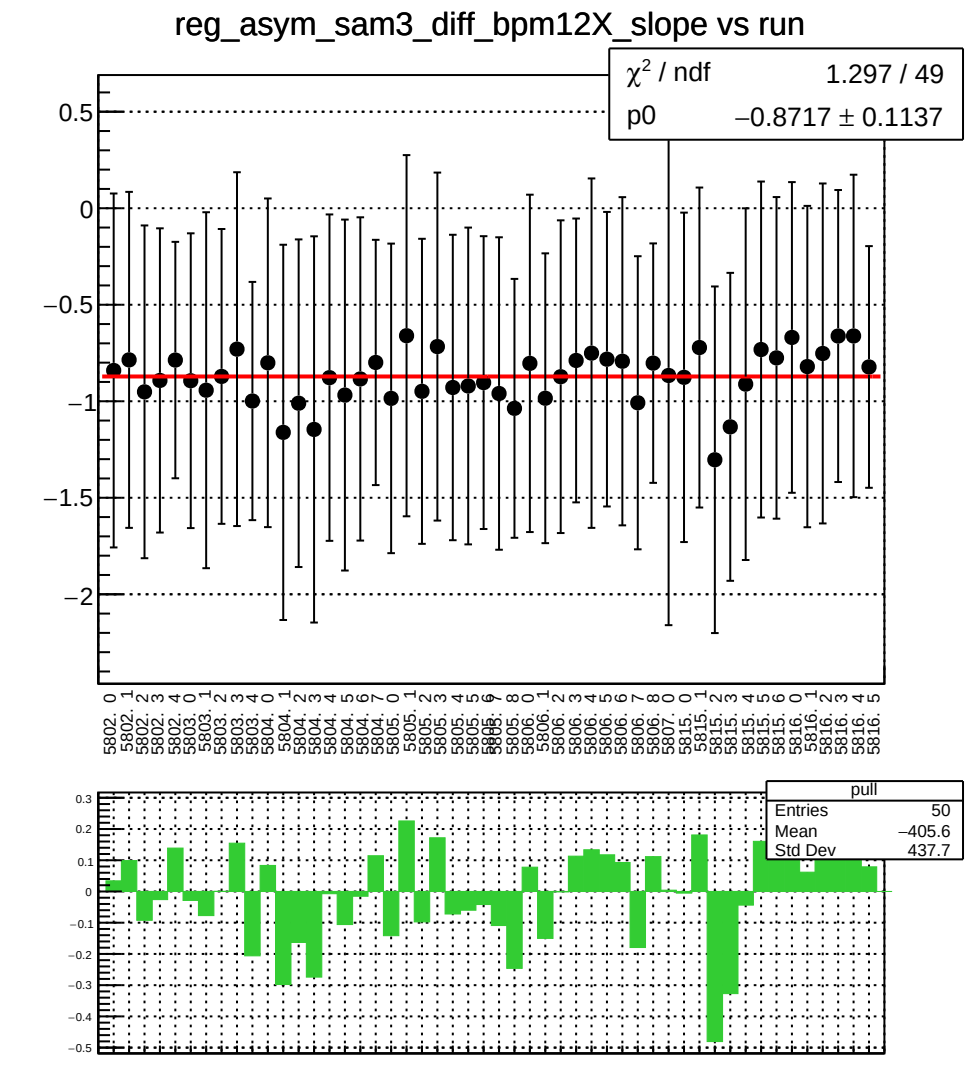

pull1D
Entries 50
Mean −0.0004924
Std Dev 0.1993

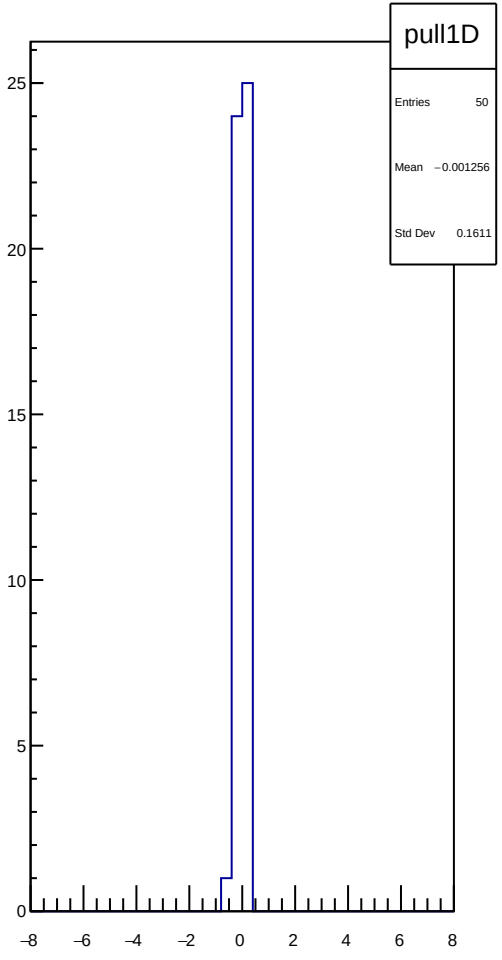

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.11 / 49
p0 −46.75 ± 2.446
pull
Entries 50
Mean 149.7
Std Dev 114

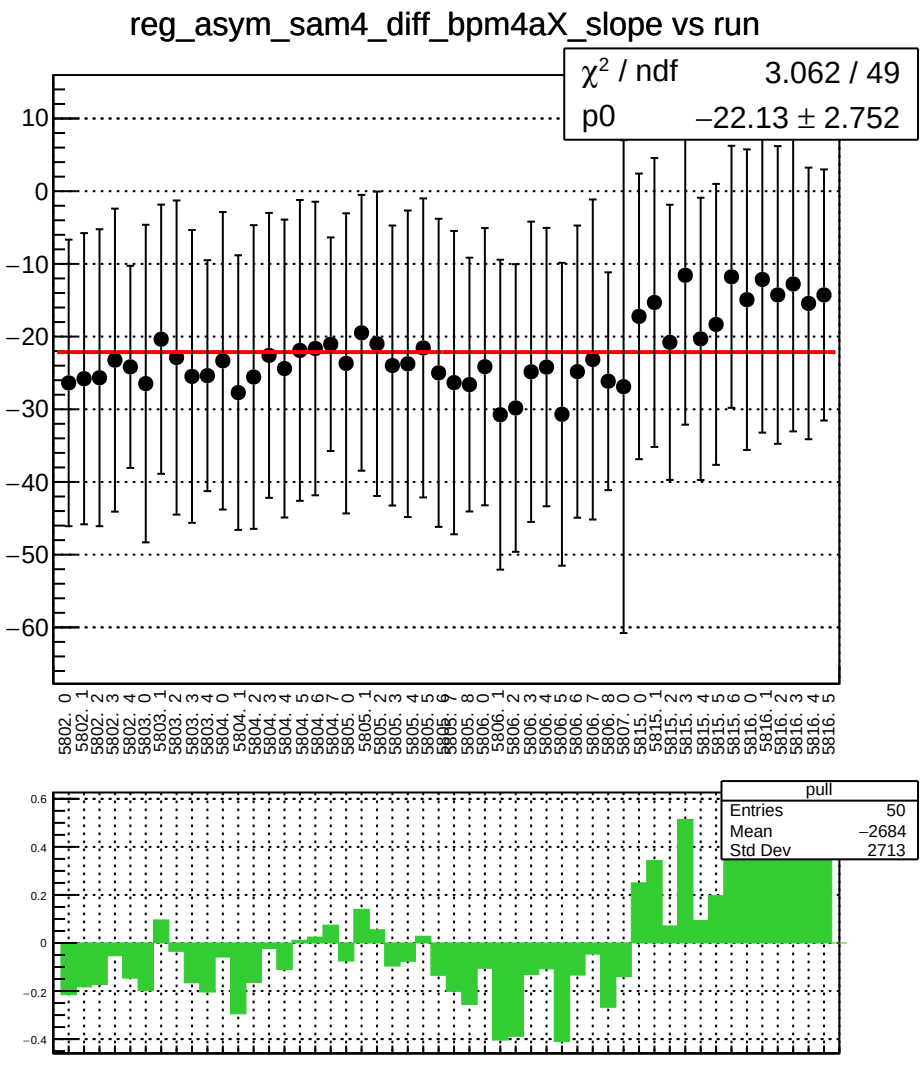

pull1D
Entries 50
Mean −0.00439
Std Dev 0.149

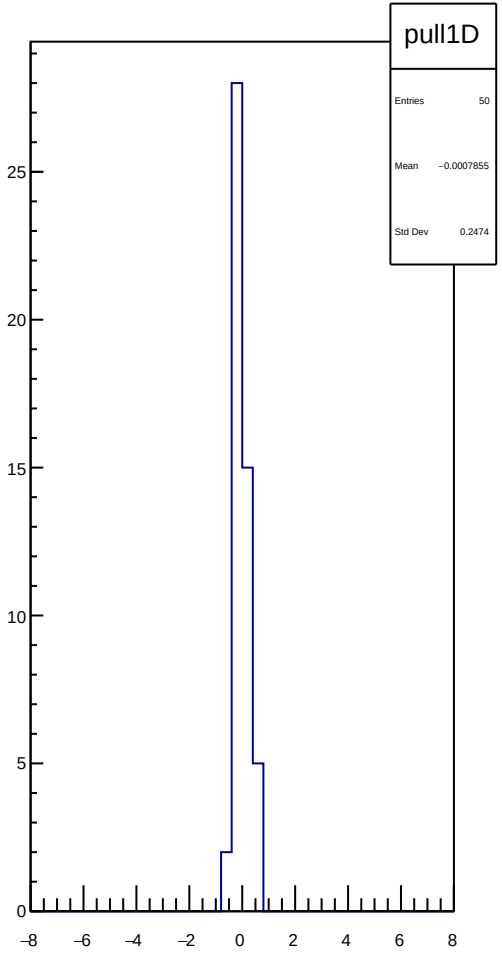

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.086 / 49
p0 15.11 ± 1.878
pull
Entries 50
Mean −2453
Std Dev 2482

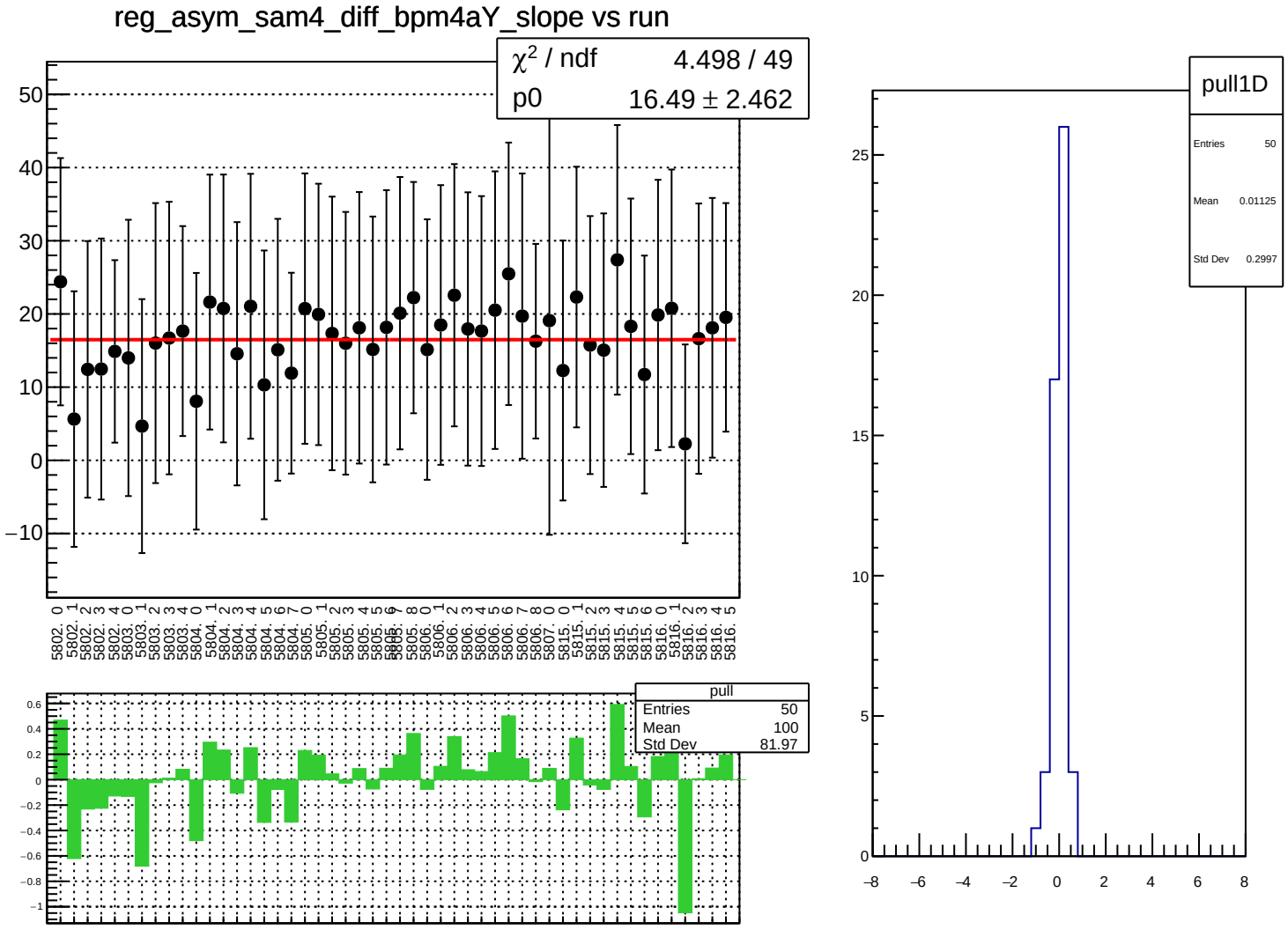

pull1D
Entries 50
Mean 0.0006912
Std Dev 0.2043

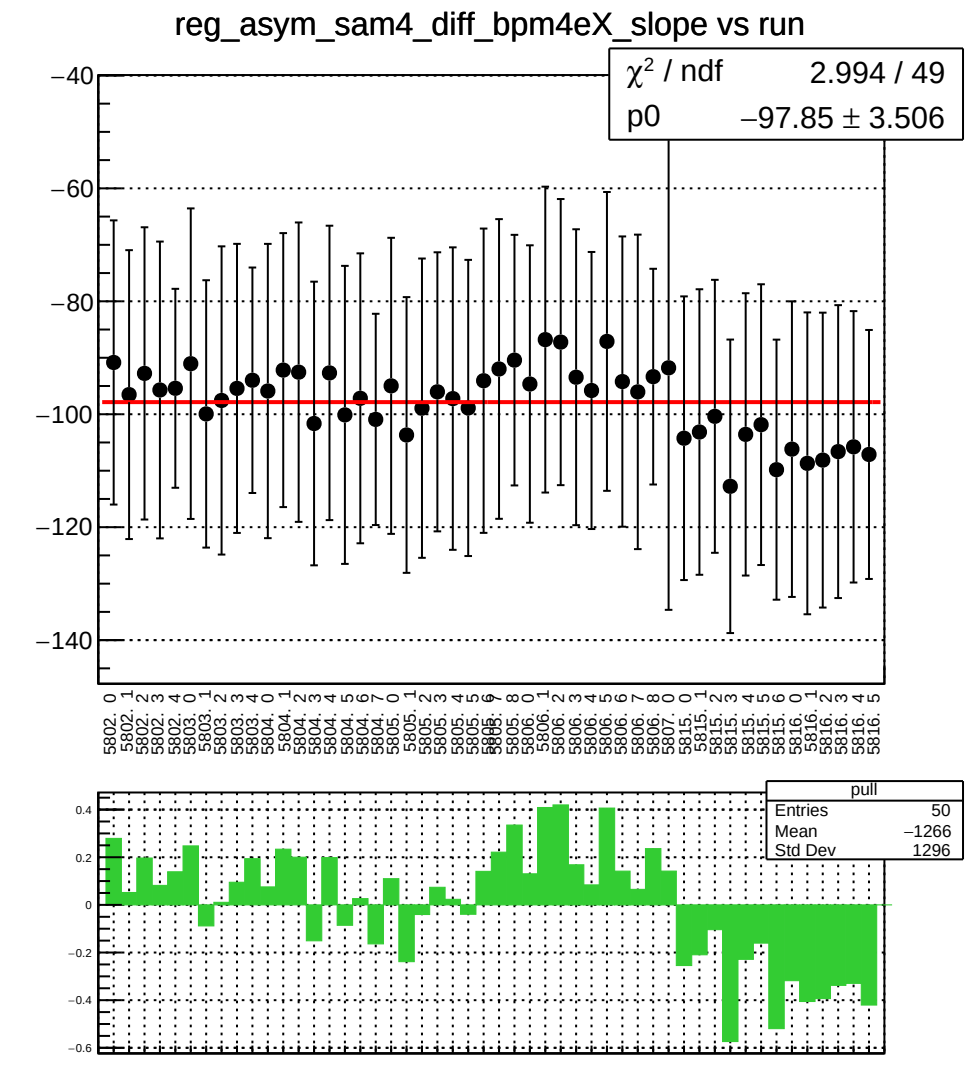

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.297 / 49
p0 −0.8717 ± 0.1137
pull
Entries 50
Mean −405.6
Std Dev 437.7

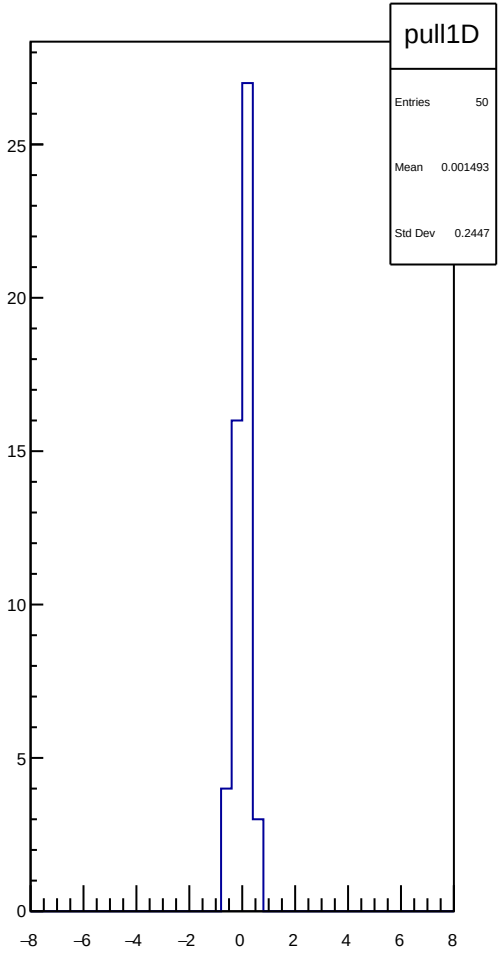

pull1D
Entries 50
Mean −0.001256
Std Dev 0.1611

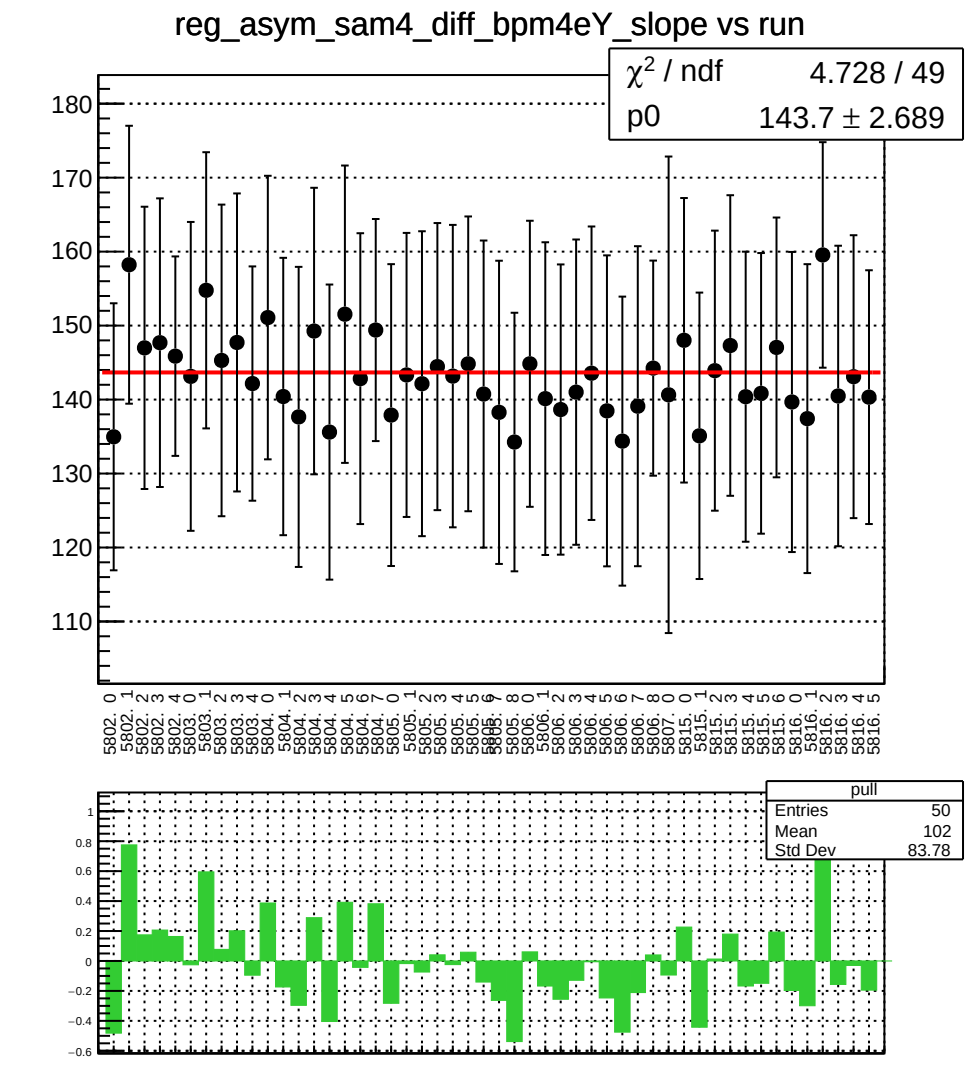

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 3.062 / 49
p0 −22.13 ± 2.752
pull
Entries 50
Mean −2684
Std Dev 2713

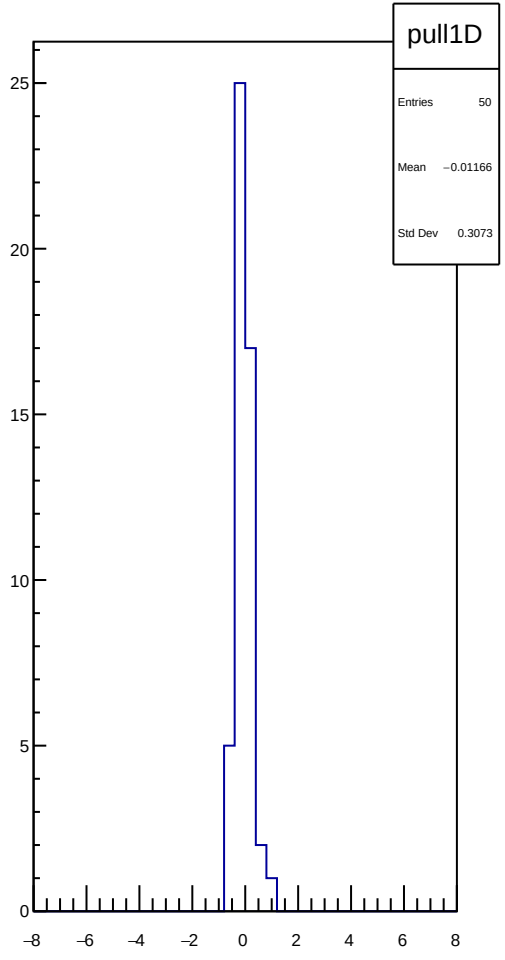

pull1D
Entries 50
Mean −0.0007855
Std Dev 0.2474

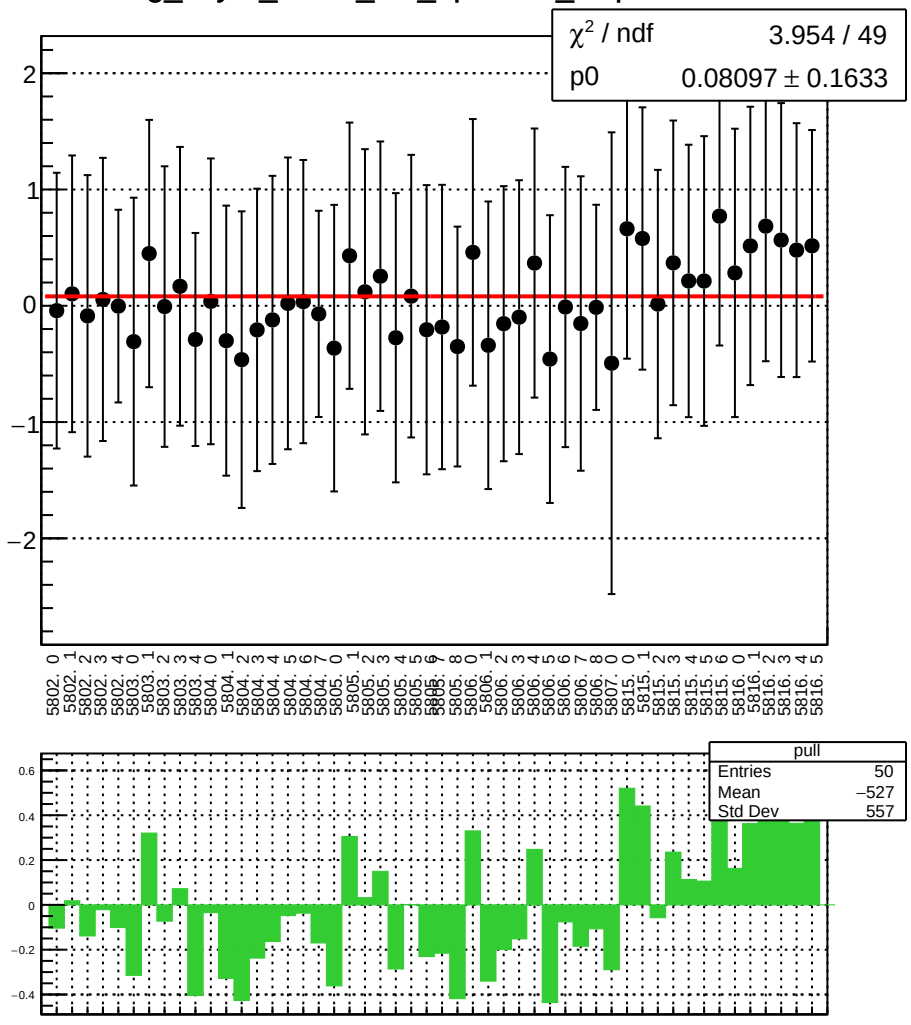

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 4.498 / 49
p0 16.49 ± 2.462
pull
Entries 50
Mean 100
Std Dev 81.97
pull1D
Entries 50
Mean 0.01125
Std Dev 0.2997

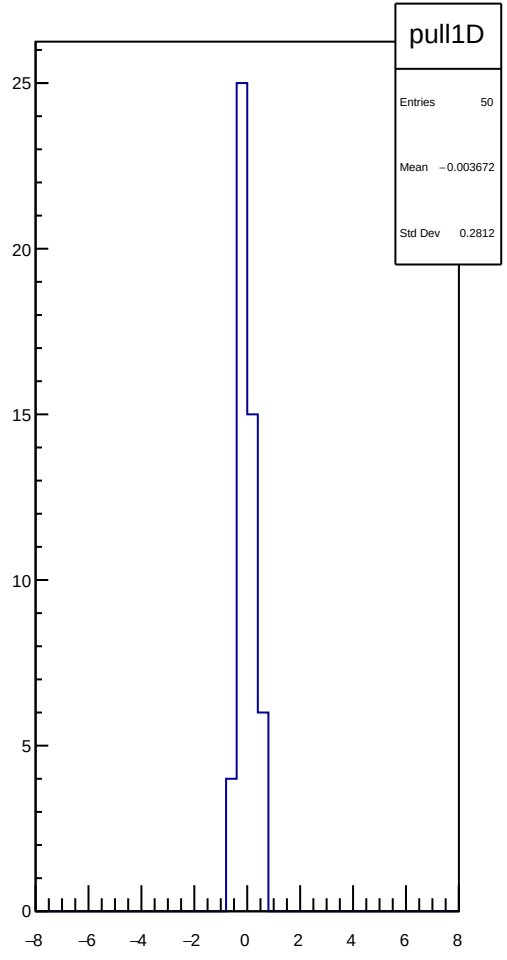

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 2.994 / 49
p0 −97.85 ± 3.506
−40
−60
−80
−100
−120
−140
pull
Entries 50
Mean −1266
Std Dev 1296
0.4
0.2
0
−0.2
−0.4
−0.6

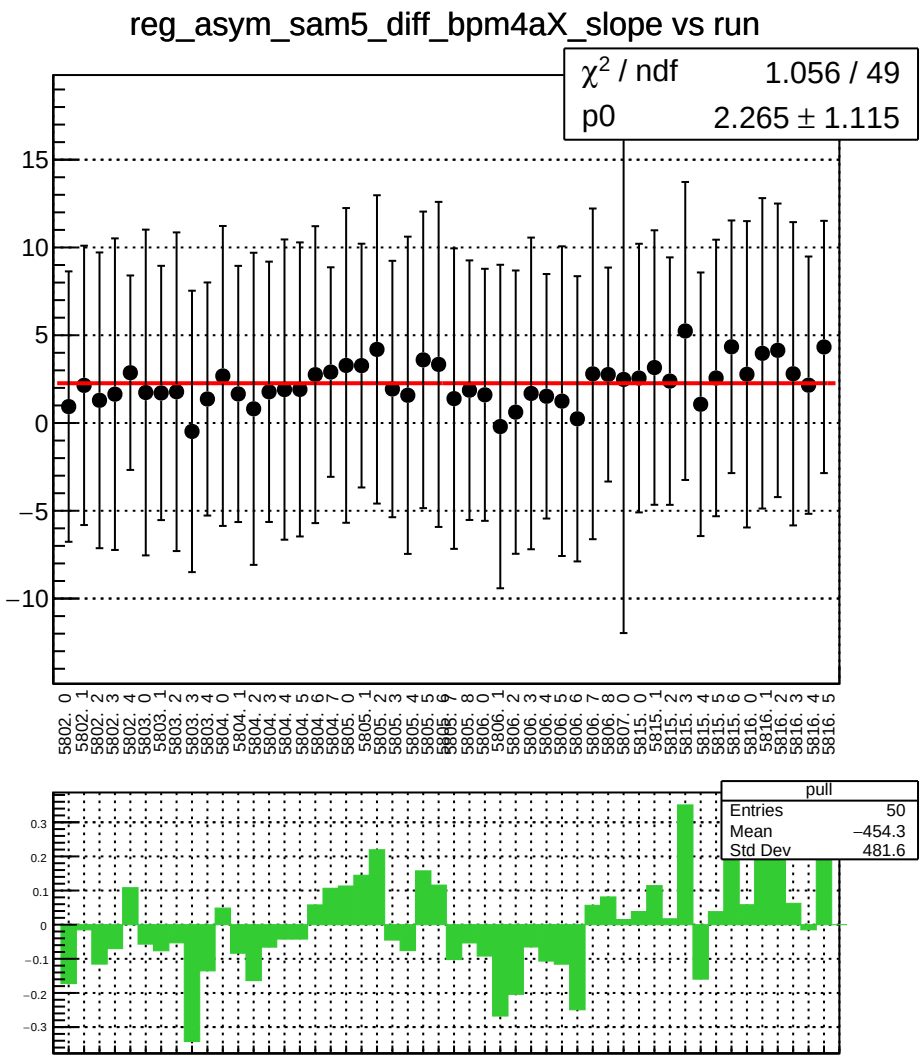

pull1D
Entries 50
Mean 0.001493
Std Dev 0.2447
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

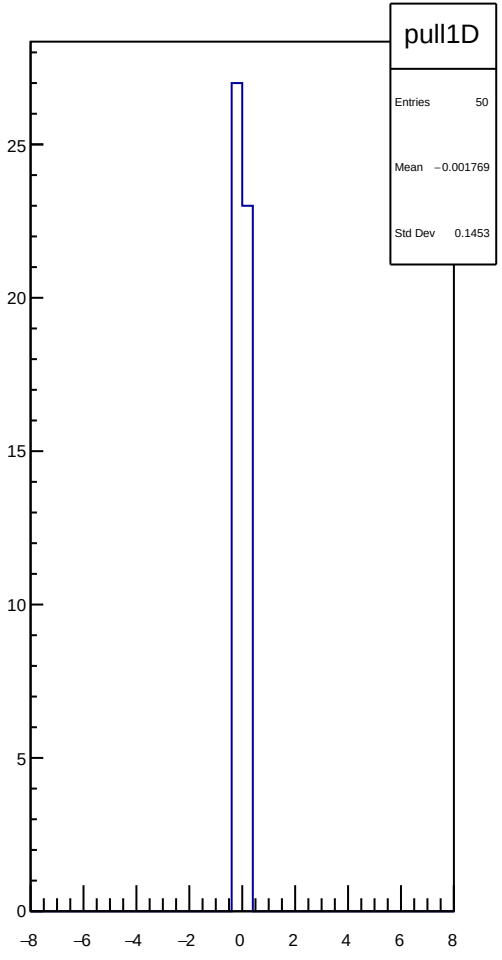

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 4.728 / 49
p0 143.7 ± 2.689
pull
Entries 50
Mean 102
Std Dev 83.78

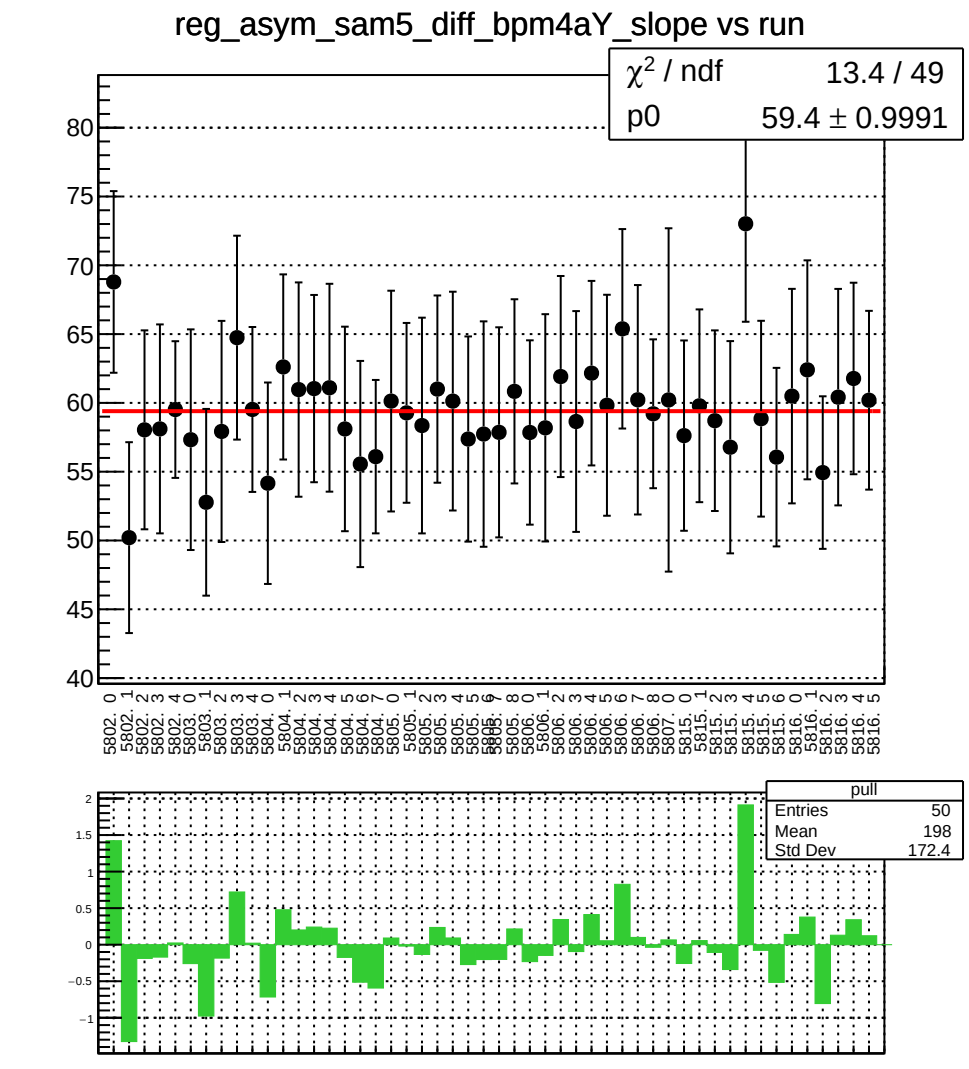

pull1D
Entries 50
Mean −0.01166
Std Dev 0.3073

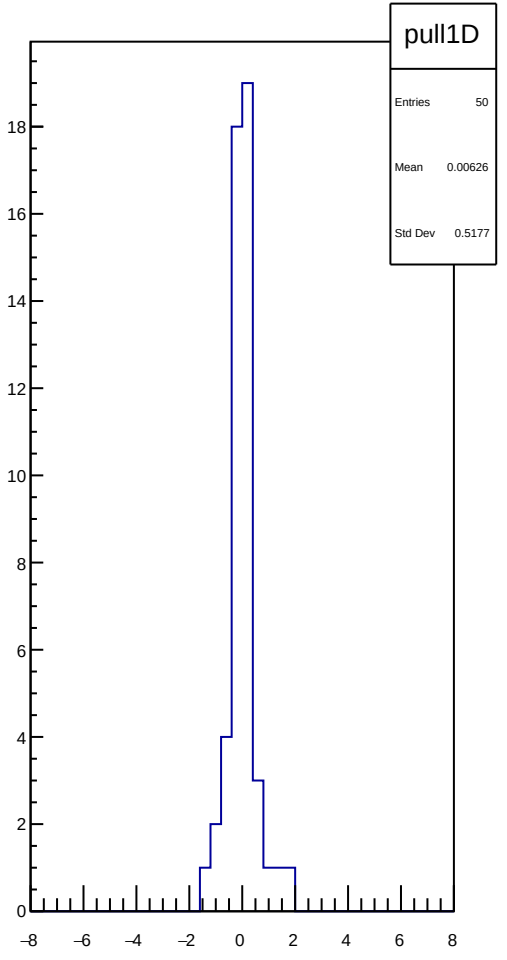

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 3.954 / 49
p0 0.08097 ± 0.1633
pull
Entries 50
Mean −527
Std Dev 557

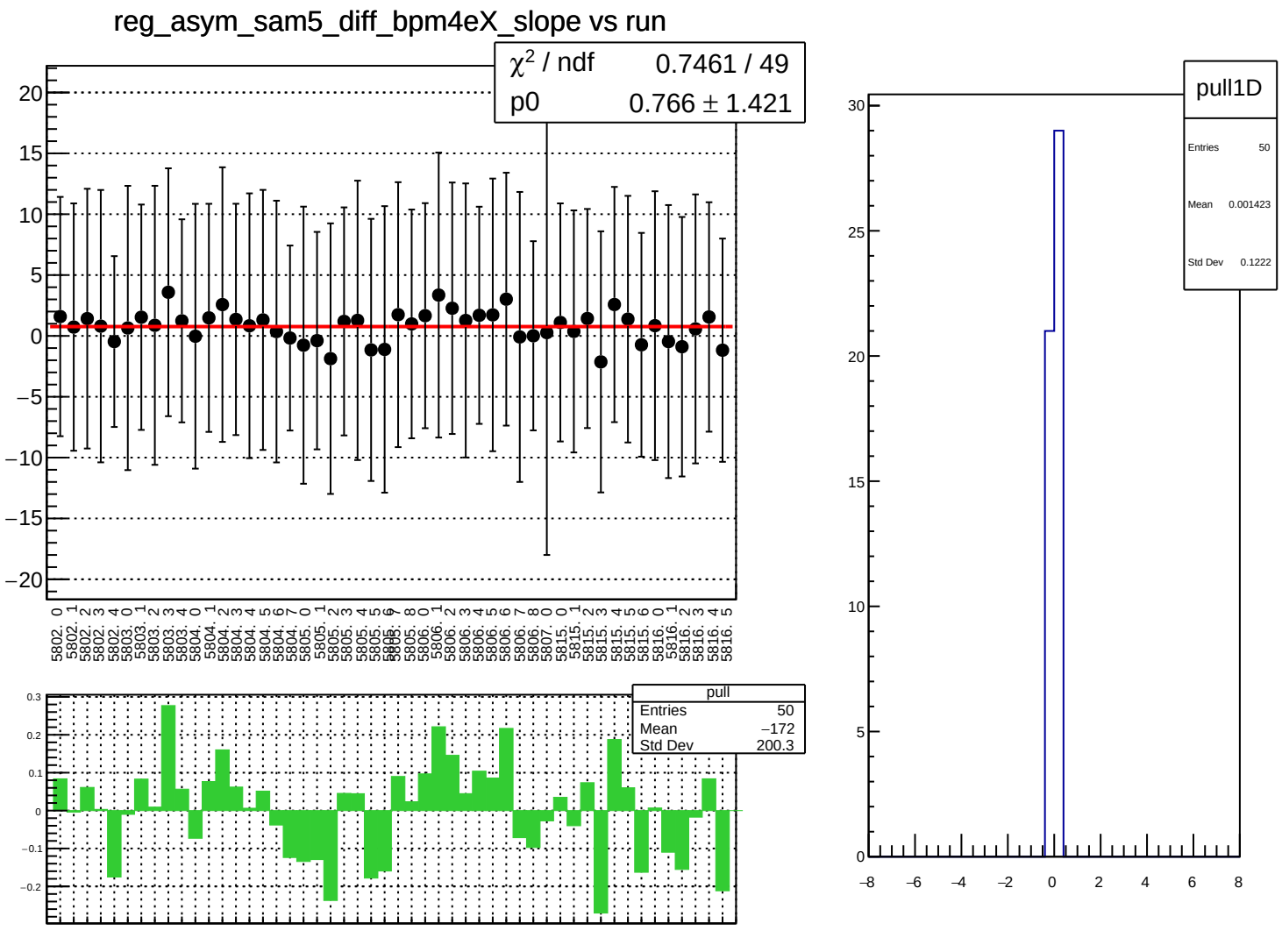

pull1D
Entries 50
Mean −0.003672
Std Dev 0.2812

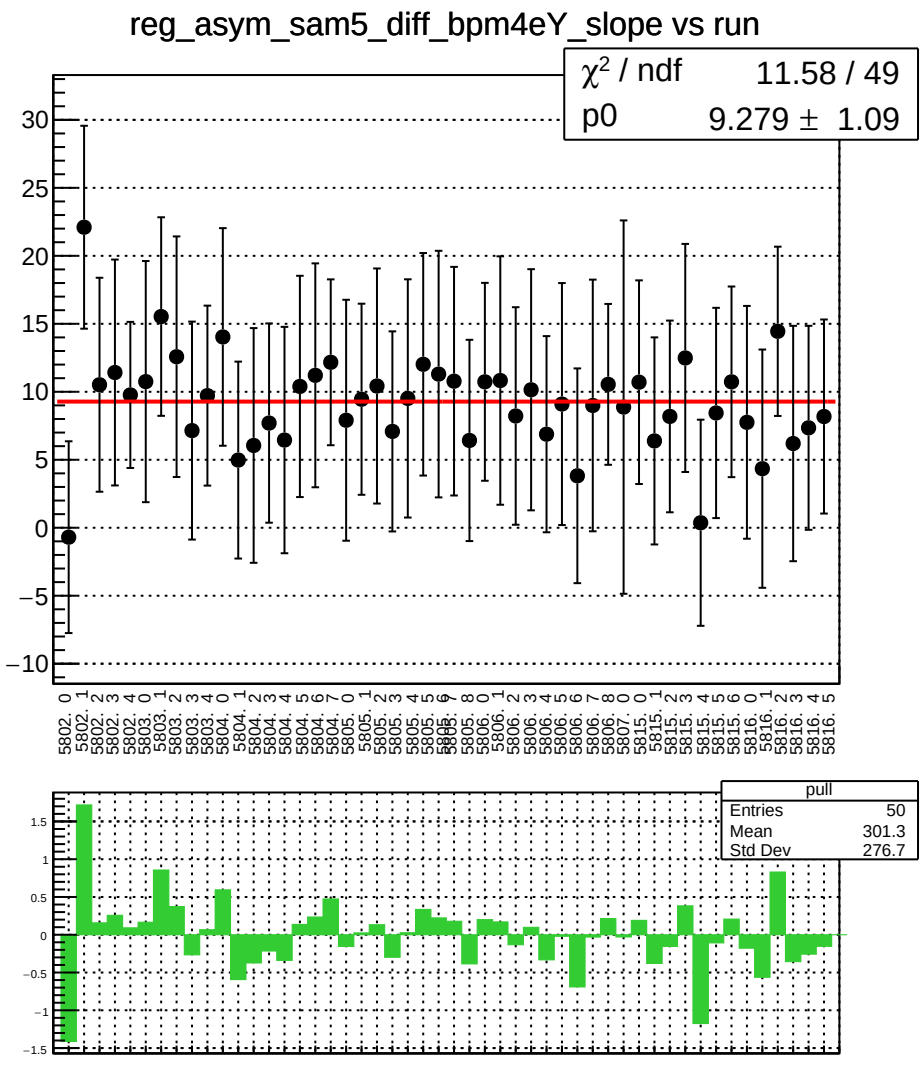

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 1.056 / 49
p0 2.265 ± 1.115
pull
Entries 50
Mean −454.3
Std Dev 481.6

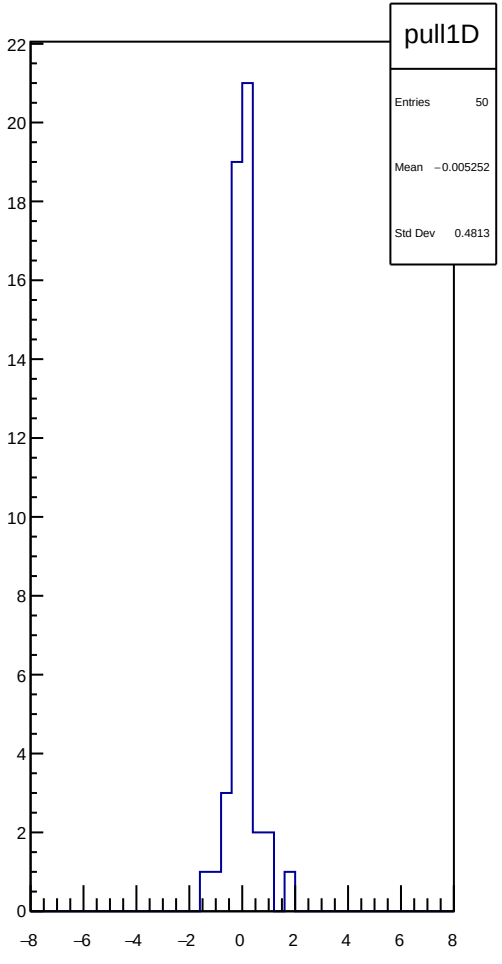

pull1D
Entries 50
Mean −0.001769
Std Dev 0.1453

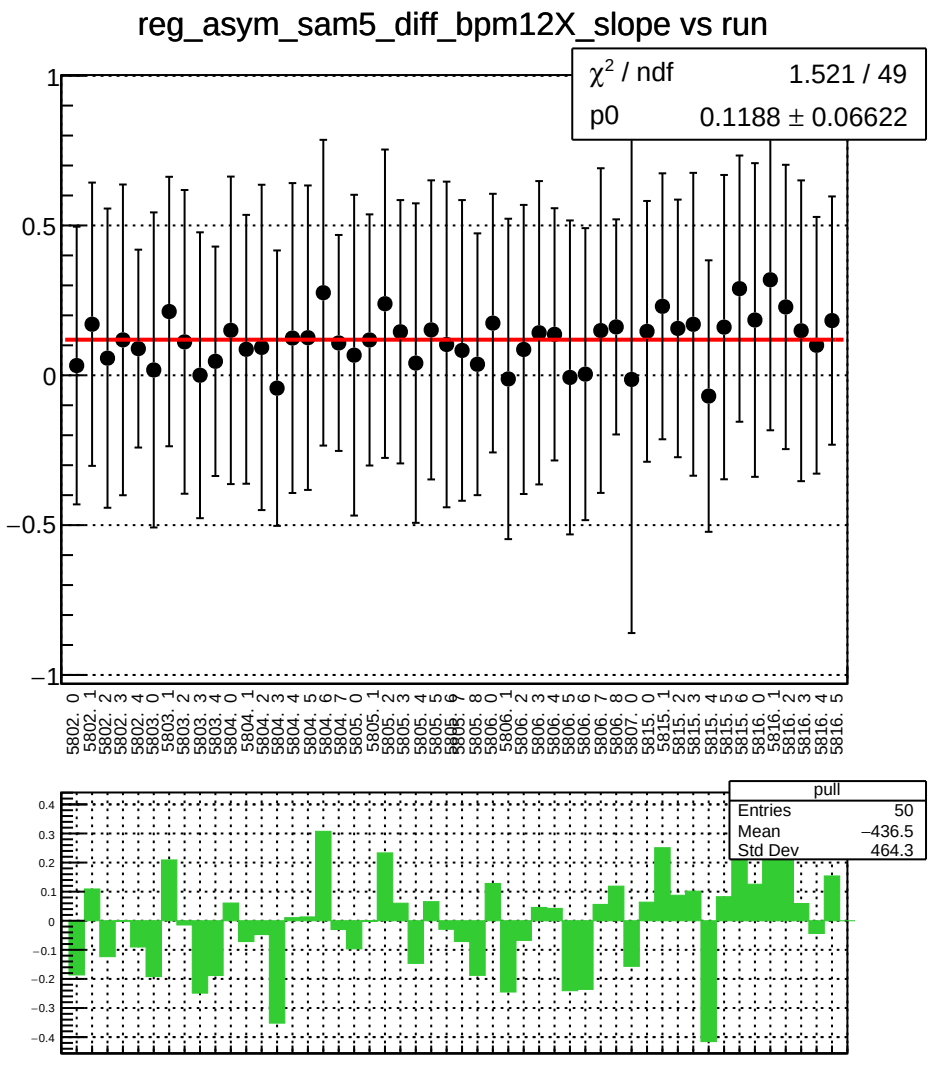

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 13.4 / 49
p0 59.4 ± 0.9991
pull
Entries 50
Mean 198
Std Dev 172.4

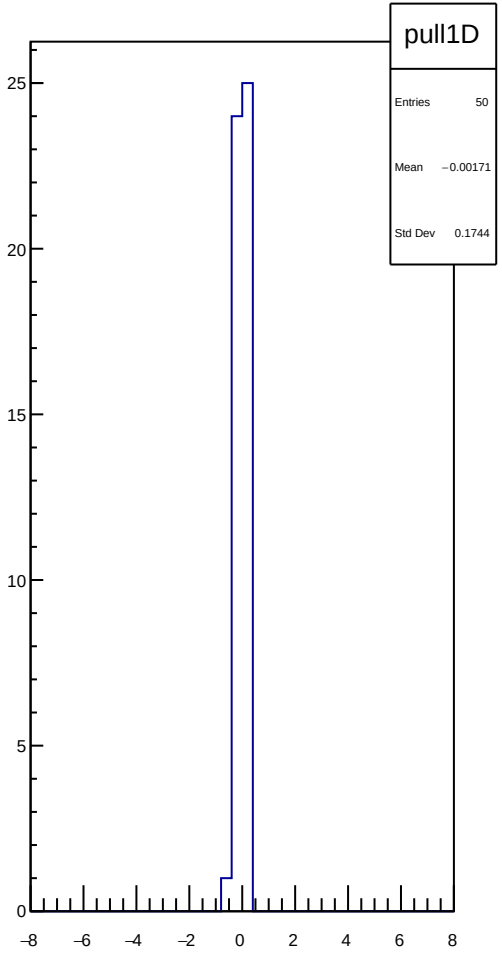

pull1D
Entries 50
Mean 0.00626
Std Dev 0.5177

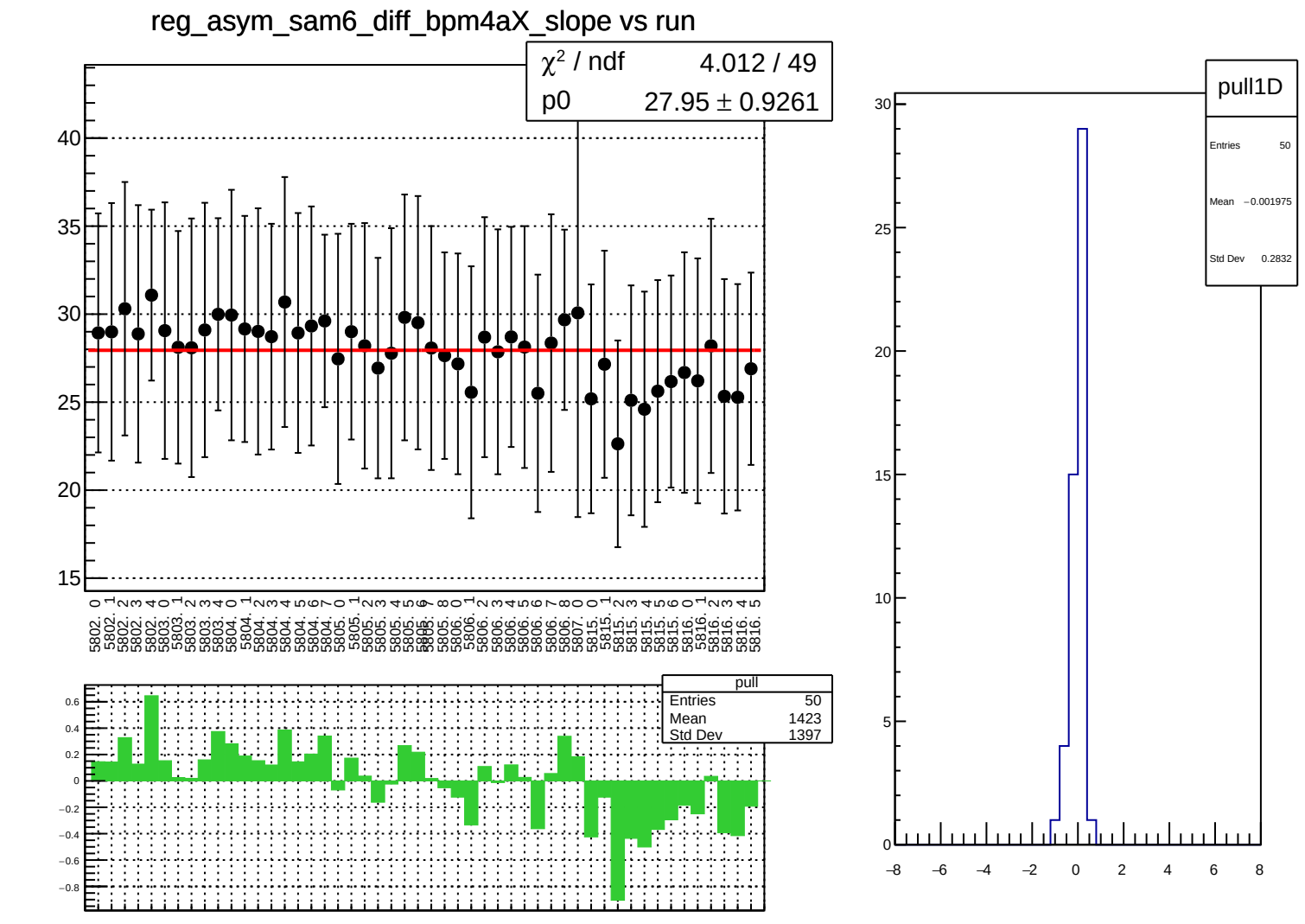

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 0.7461 / 49
p0 0.766 ± 1.421
pull
Entries 50
Mean −172
Std Dev 200.3
pull1D
Entries 50
Mean 0.001423
Std Dev 0.1222

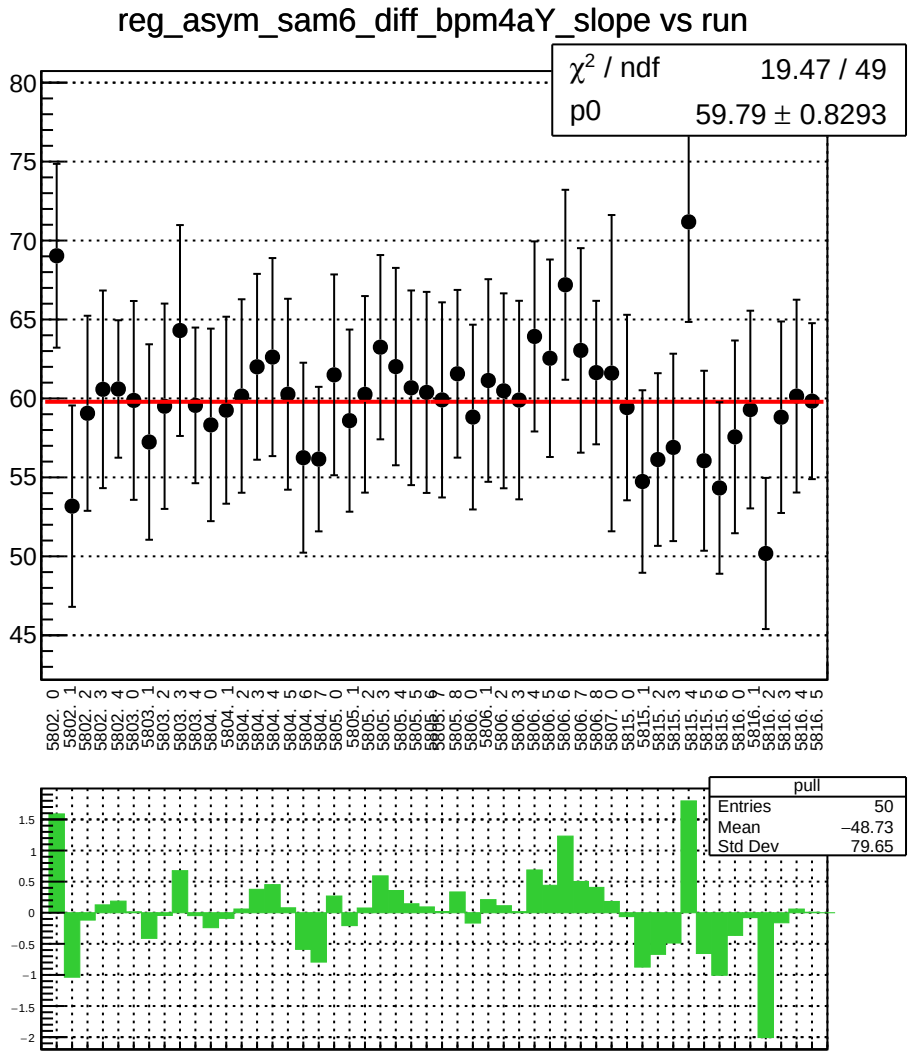

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 11.58 / 49
p0 9.279 ± 1.09
pull
Entries 50
Mean 301.3
Std Dev 276.7

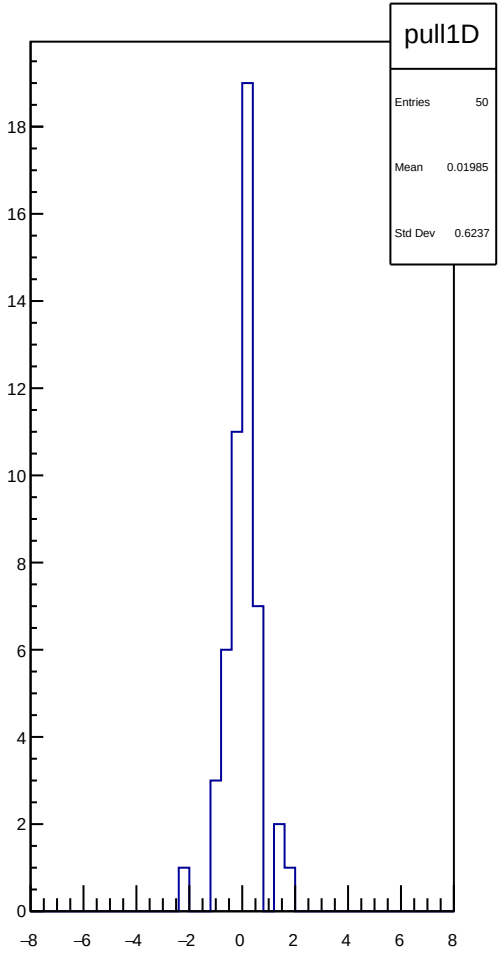

pull1D
Entries 50
Mean −0.005252
Std Dev 0.4813

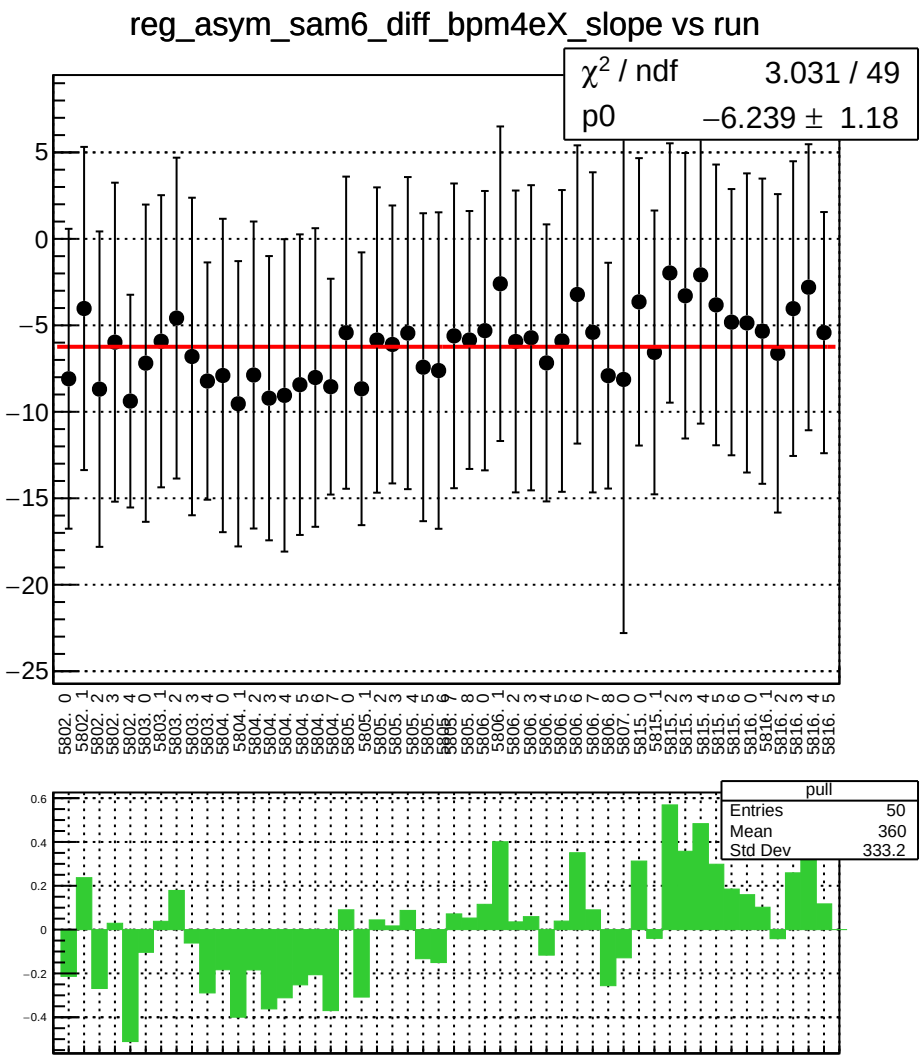

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 1.521 / 49
p0 0.1188 ± 0.06622
pull
Entries 50
Mean −436.5
Std Dev 464.3

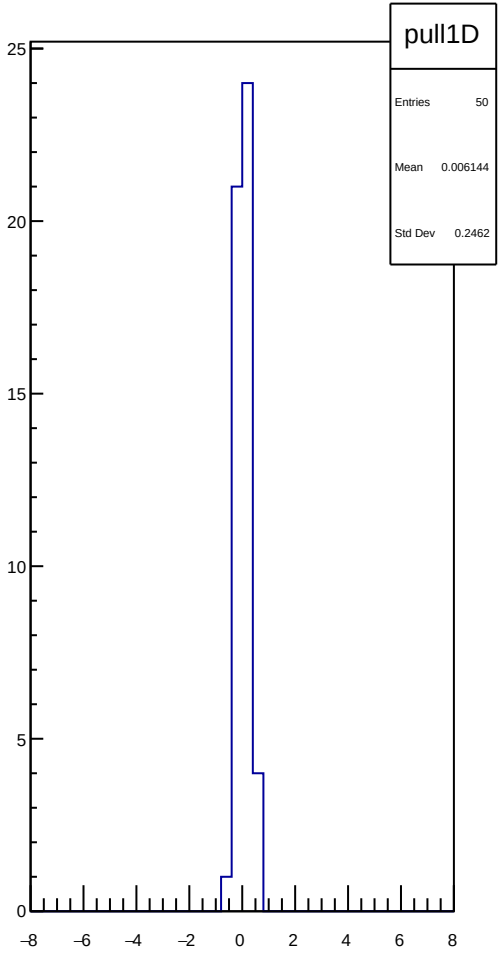

pull1D
Entries 50
Mean −0.00171
Std Dev 0.1744

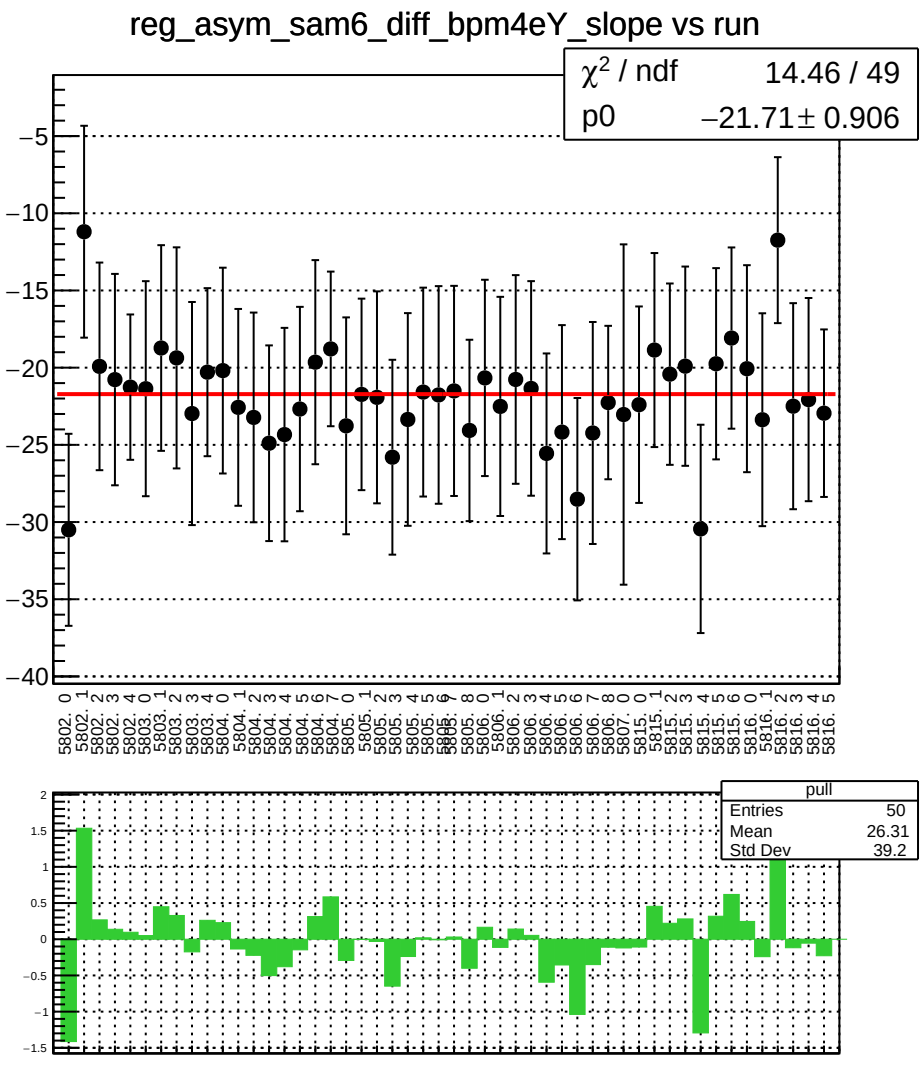

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 4.012 / 49
p0 27.95 ± 0.9261
pull
Entries 50
Mean 1423
Std Dev 1397
pull1D
Entries 50
Mean −0.001975
Std Dev 0.2832

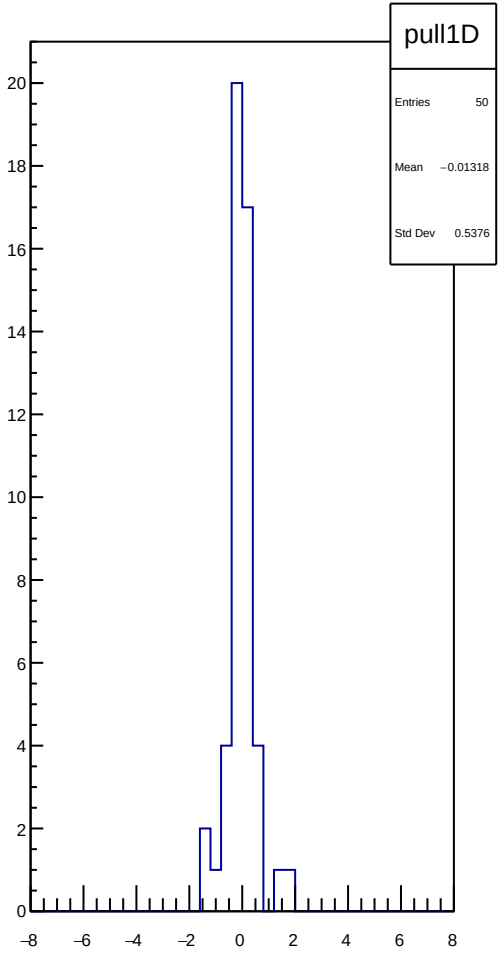

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 19.47 / 49
p0 59.79 ± 0.8293
pull
Entries 50
Mean −48.73
Std Dev 79.65

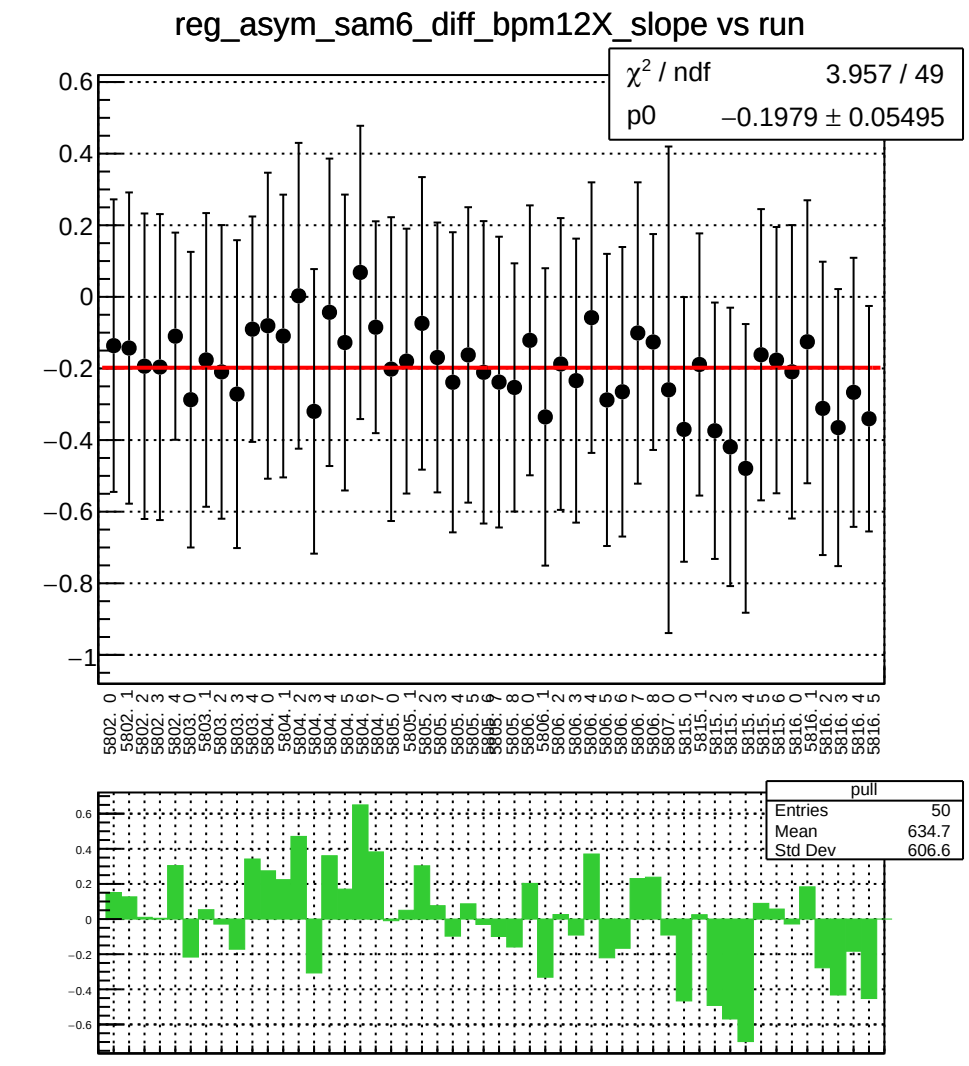

pull1D
Entries 50
Mean 0.01985
Std Dev 0.6237

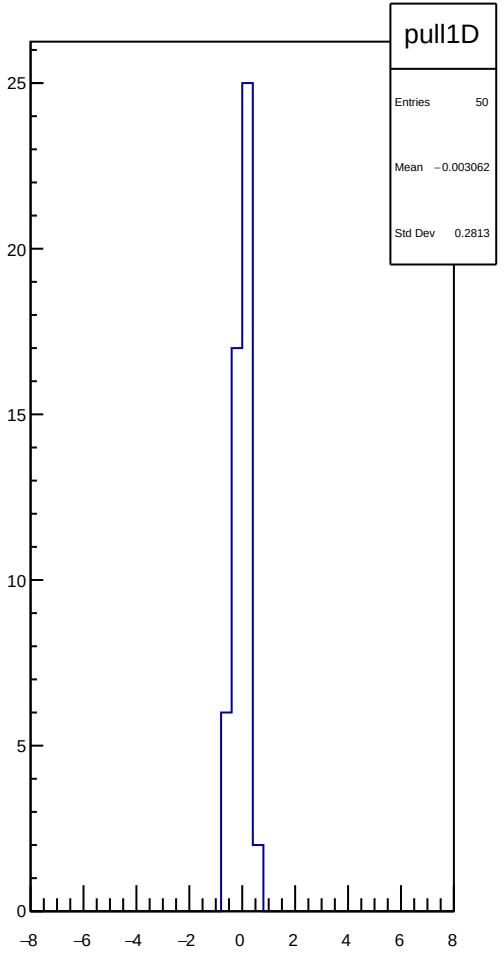

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.031 / 49
p0 −6.239 ± 1.18
pull
Entries 50
Mean 360
Std Dev 333.2

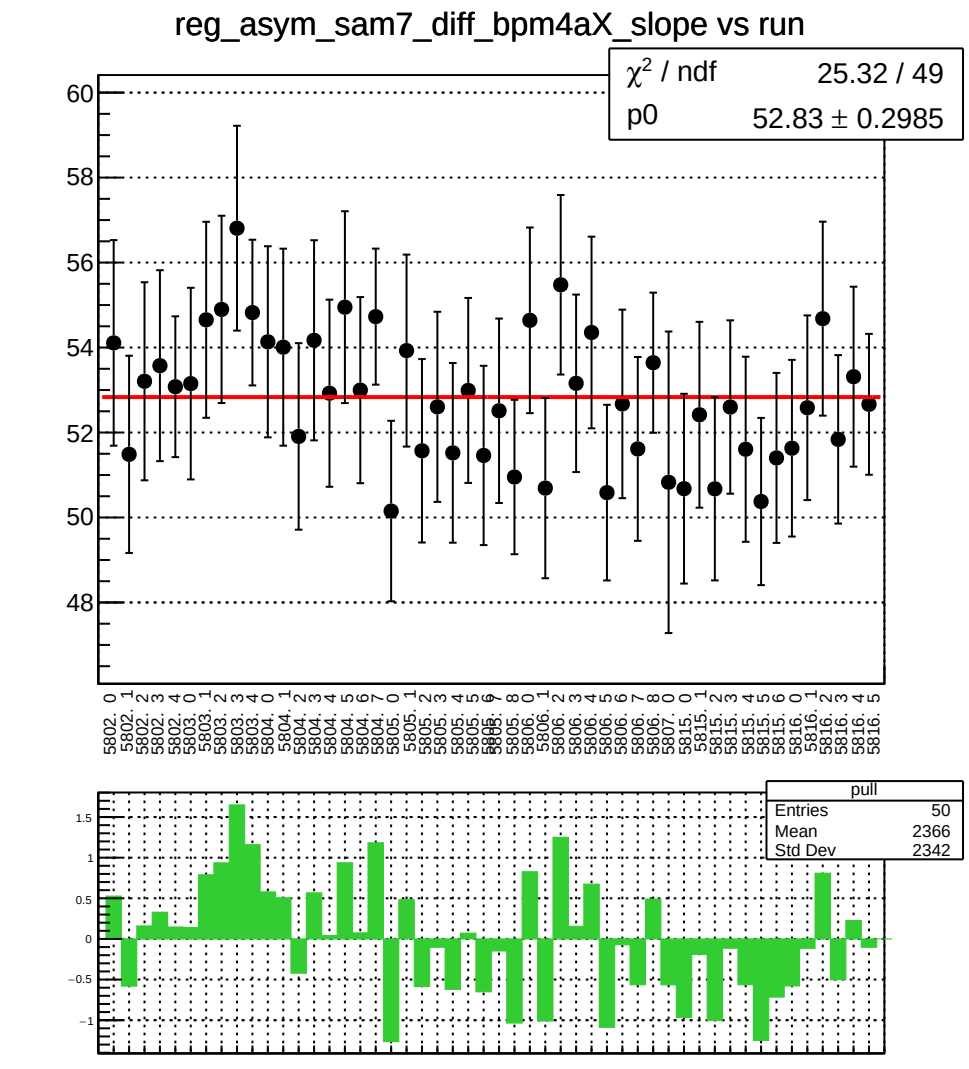

pull1D
Entries 50
Mean 0.006144
Std Dev 0.2462

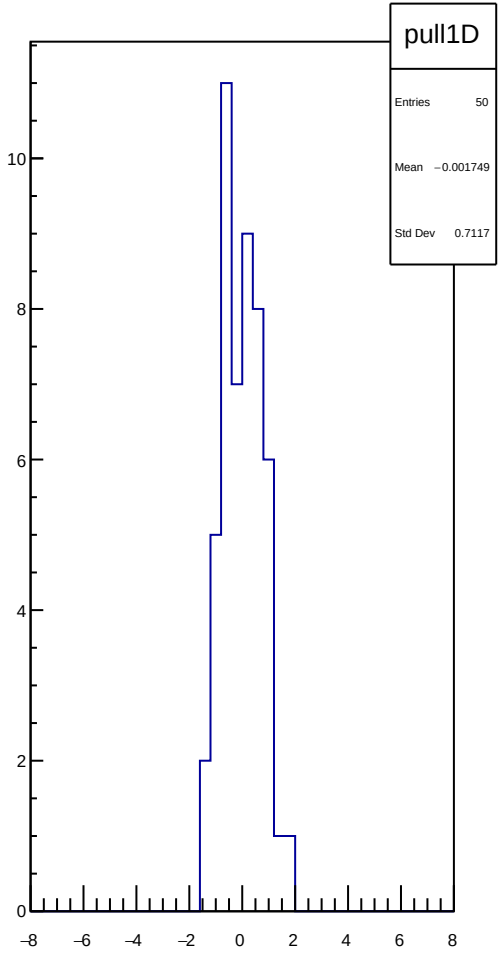

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 14.46 / 49
p0 −21.71 ± 0.906
pull
Entries 50
Mean 26.31
Std Dev 39.2

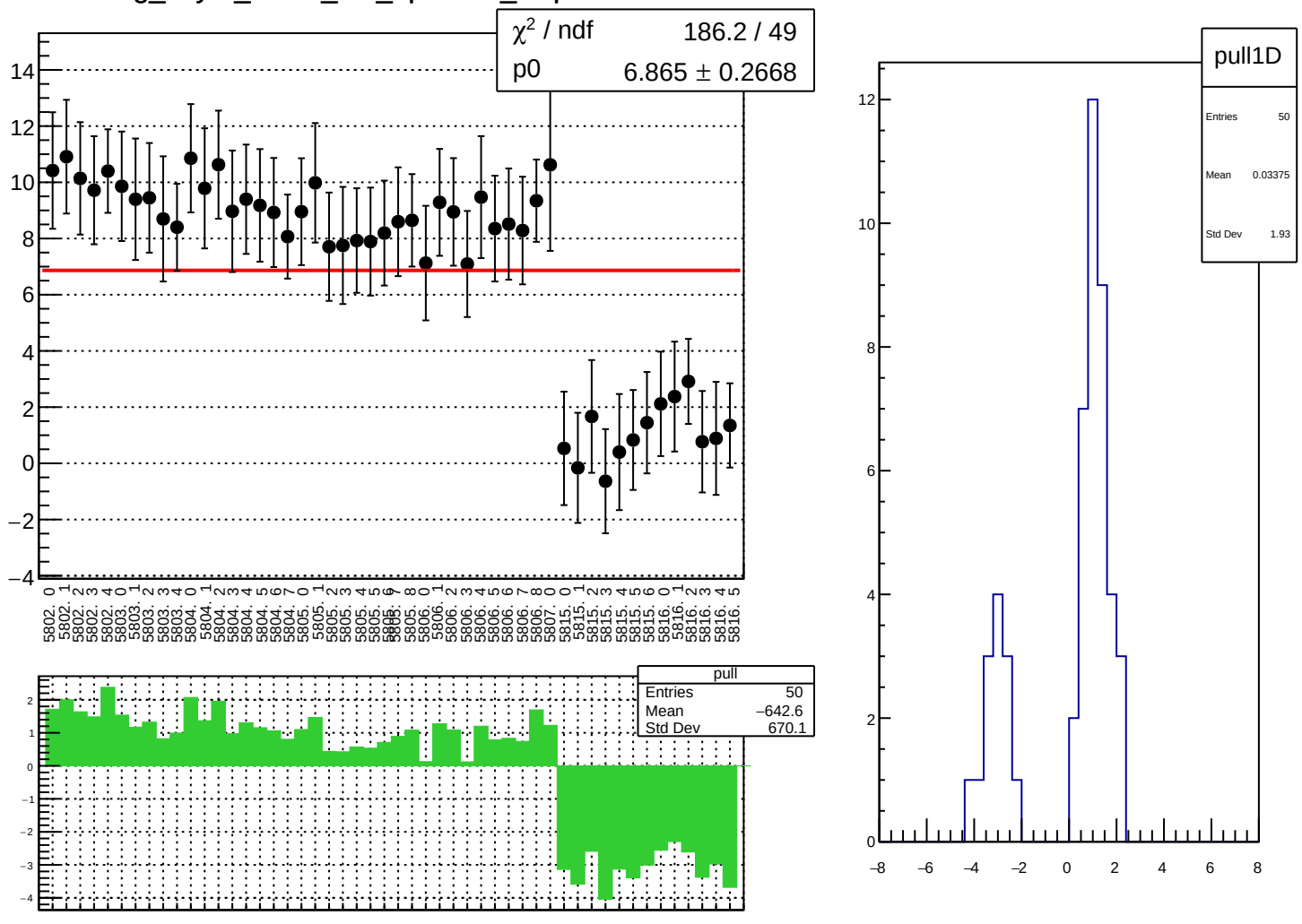

pull1D
Entries 50
Mean −0.01318
Std Dev 0.5376

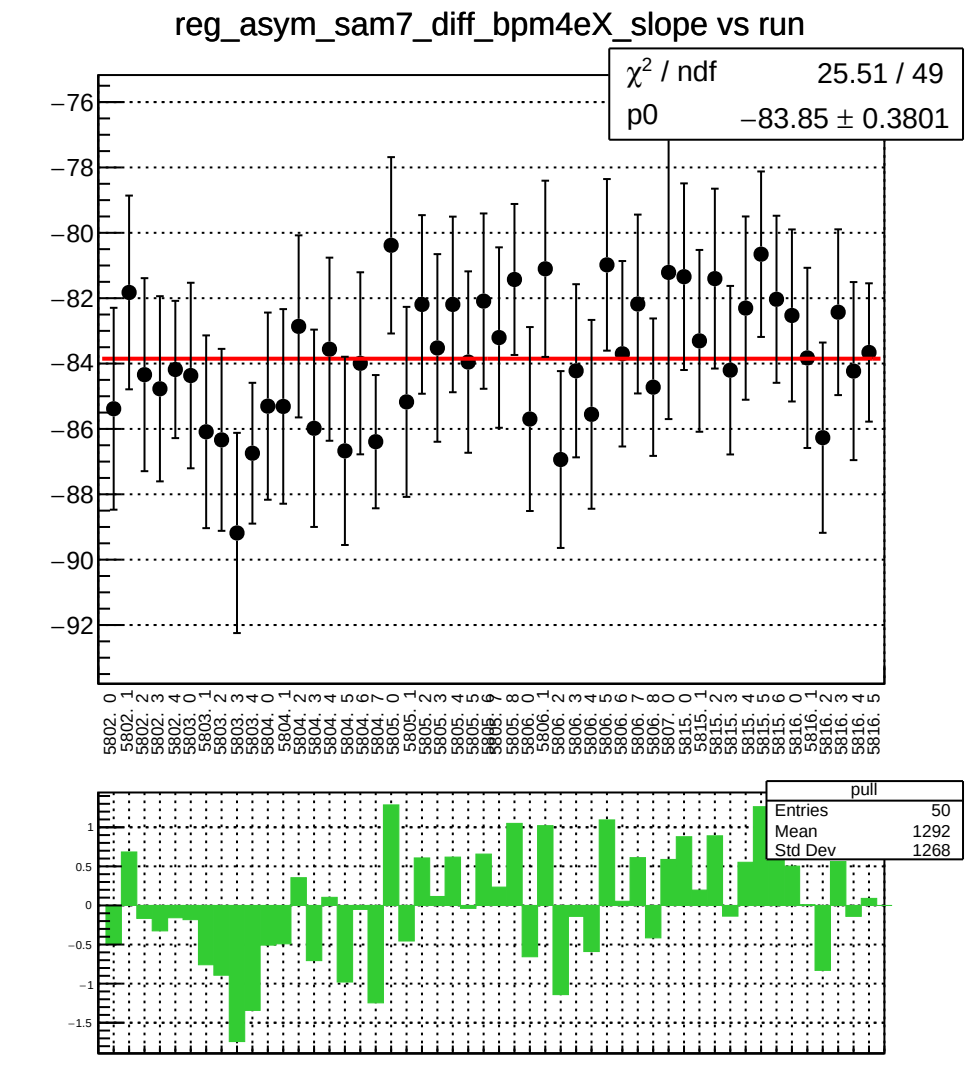

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 3.957 / 49
p0 −0.1979 ± 0.05495
pull
Entries 50
Mean 634.7
Std Dev 606.6

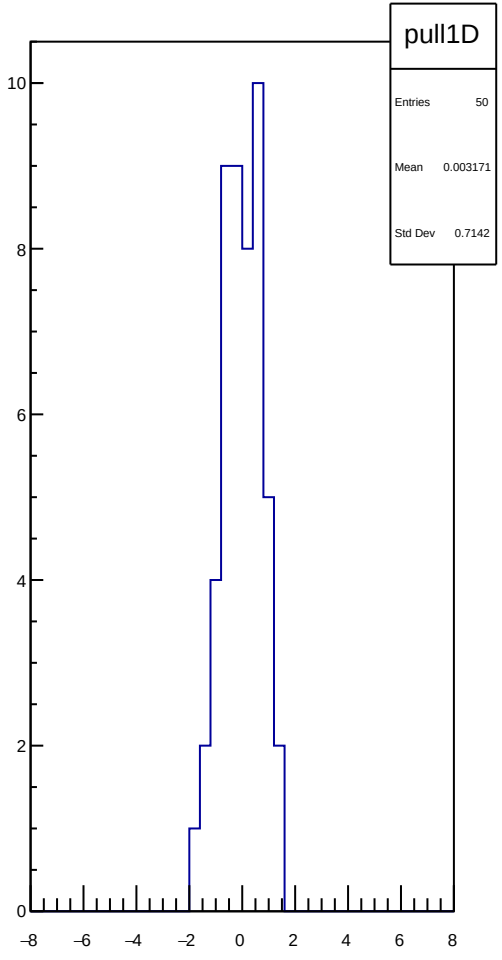

pull1D
Entries 50
Mean −0.003062
Std Dev 0.2813

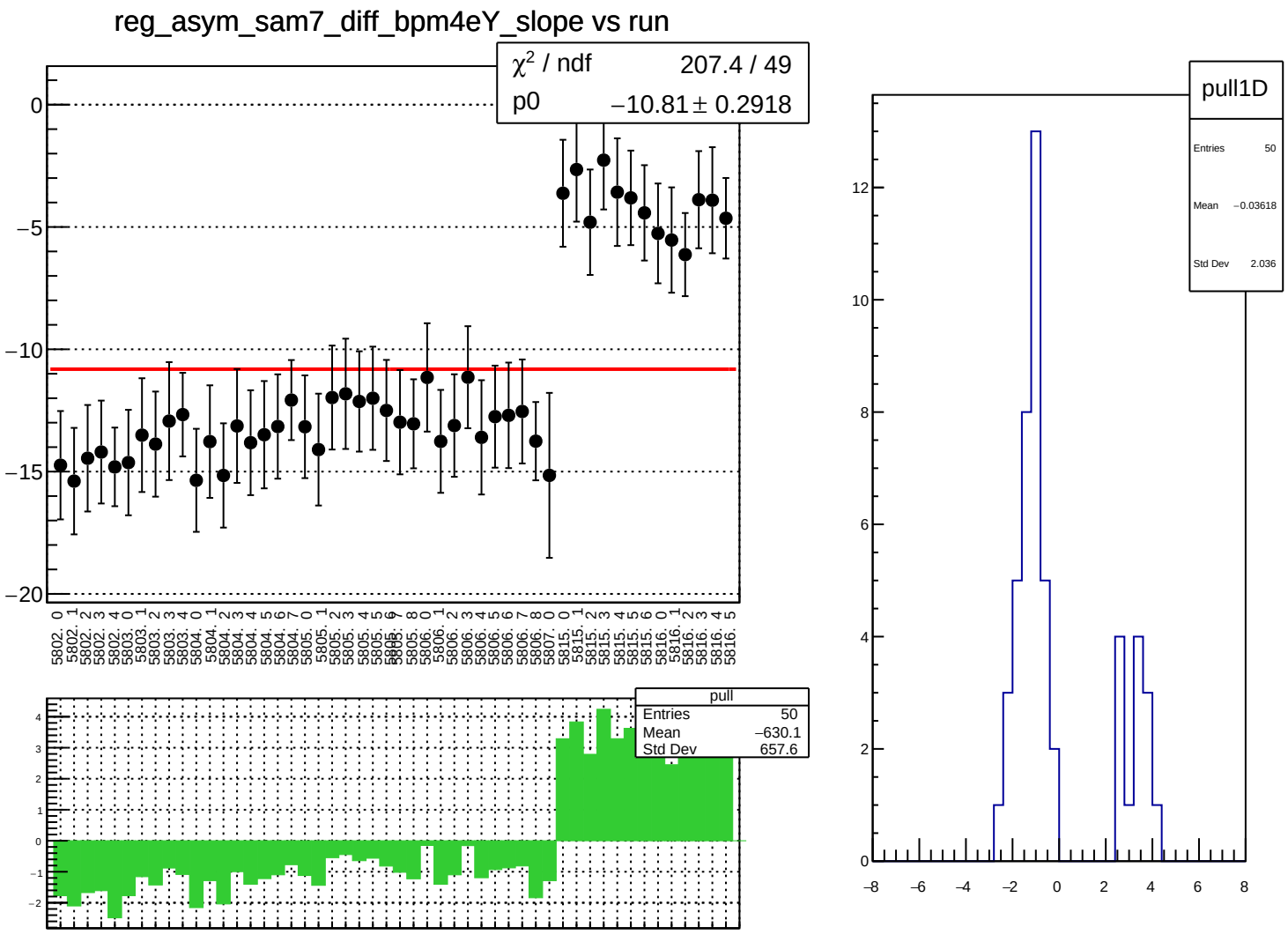

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 25.32 / 49
p0 52.83 ± 0.2985
pull
Entries 50
Mean 2366
Std Dev 2342

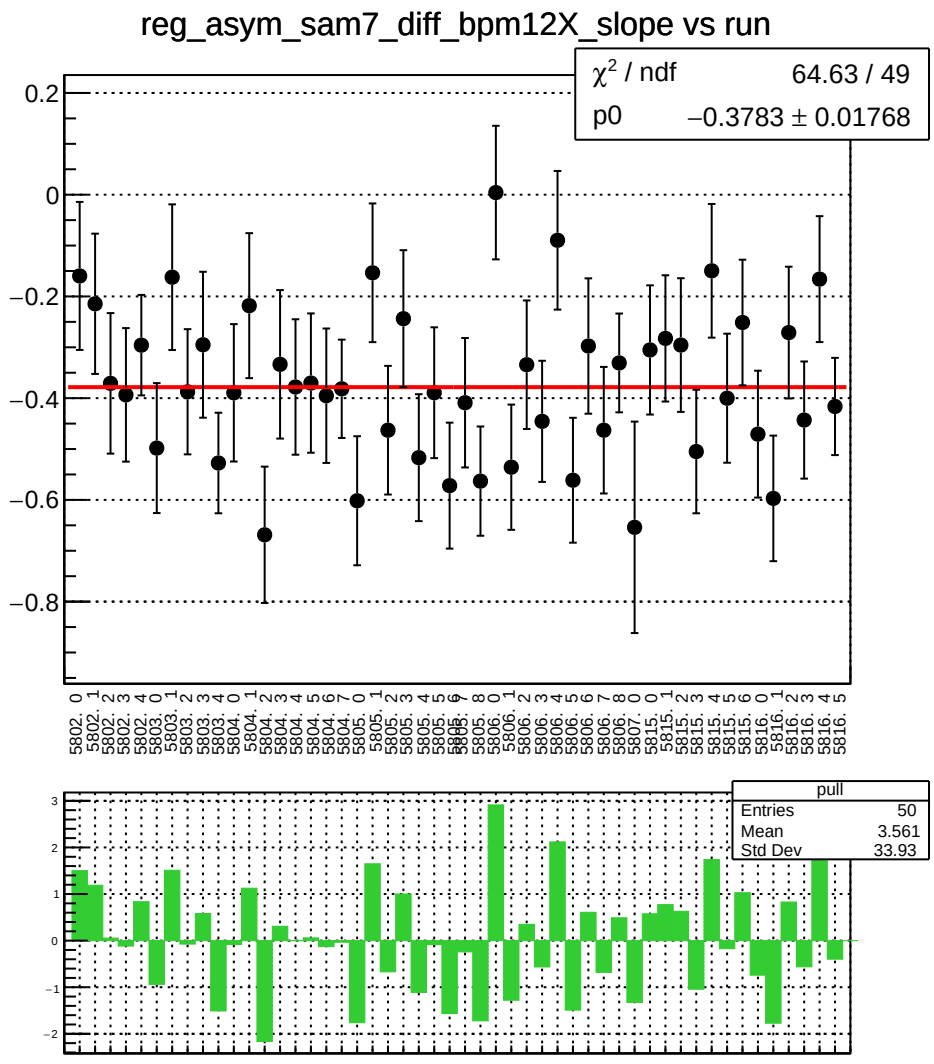

pull1D
Entries 50
Mean −0.001749
Std Dev 0.7117

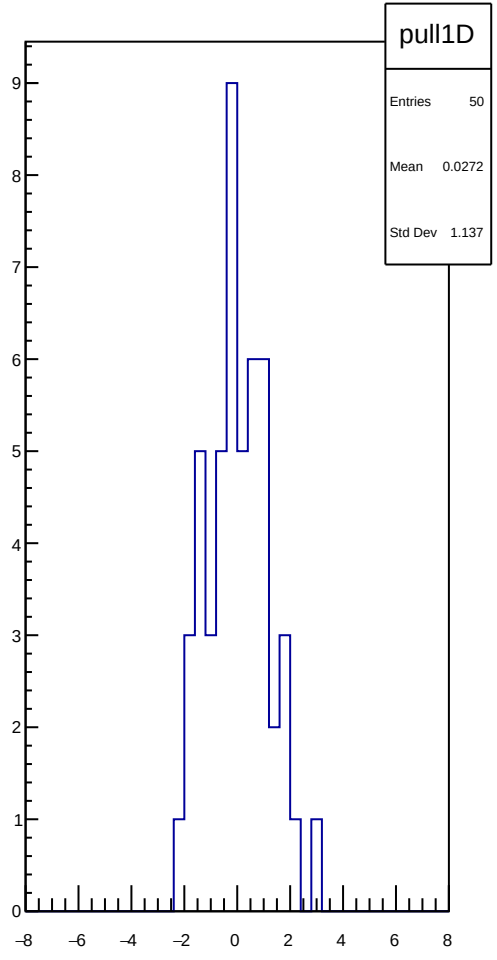

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 186.2 / 49
p0 6.865 ± 0.2668
pull
Entries 50
Mean −642.6
Std Dev 670.1
pull1D
Entries 50
Mean 0.03375
Std Dev 1.93

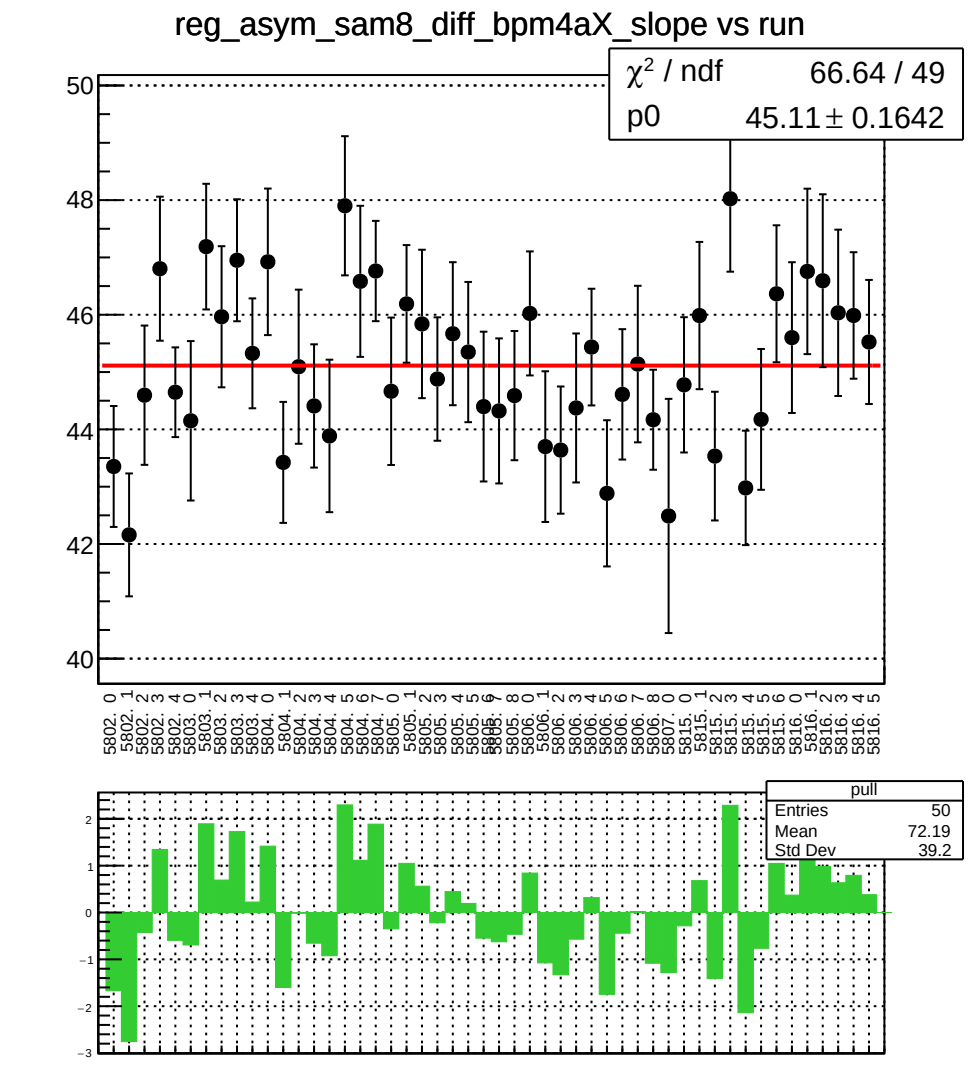

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 25.51 / 49
p0 −83.85 ± 0.3801
pull
Entries 50
Mean 1292
Std Dev 1268

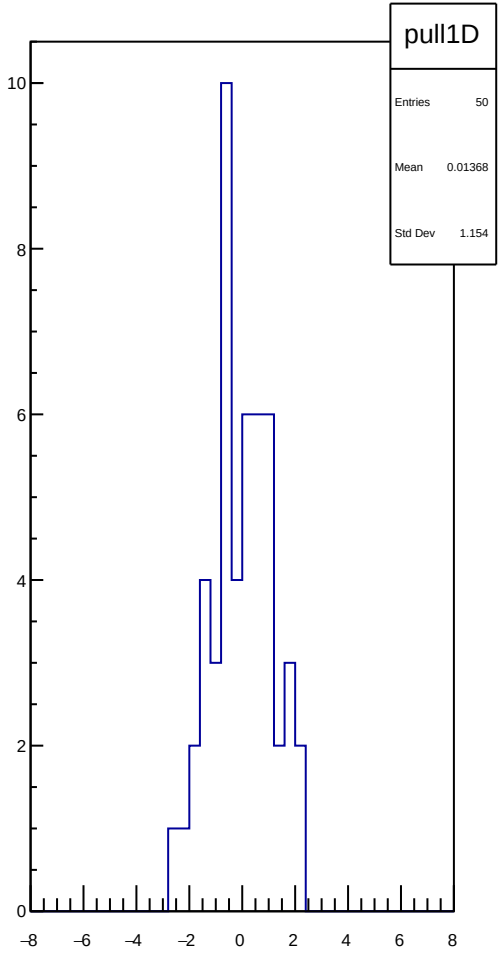

pull1D
Entries 50
Mean 0.003171
Std Dev 0.7142

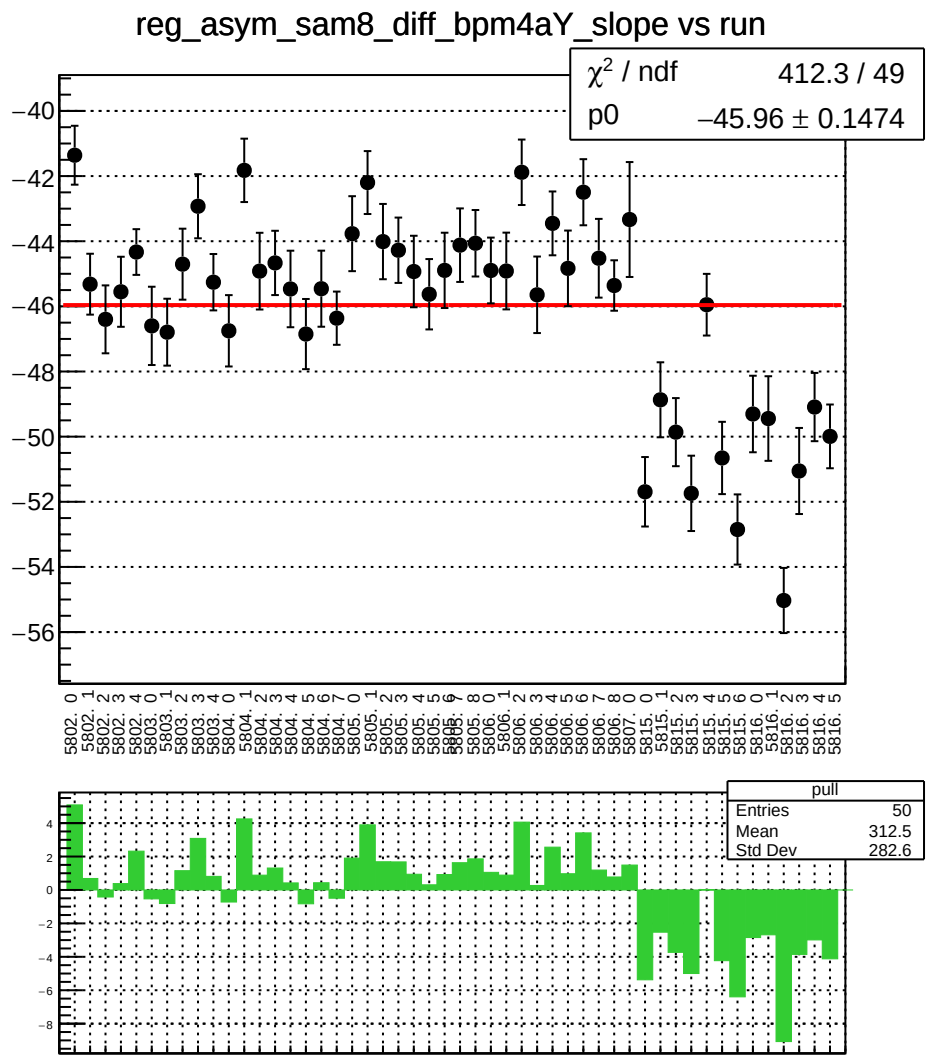

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 207.4 / 49
p0 −10.81 ± 0.2918
pull
Entries 50
Mean −630.1
Std Dev 657.6
pull1D
Entries 50
Mean −0.03618
Std Dev 2.036

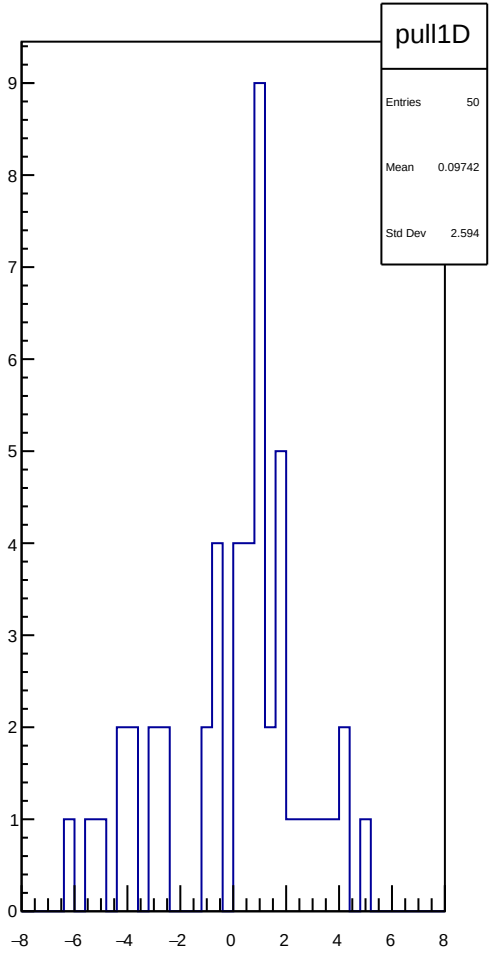

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 64.63 / 49
p0 −0.3783 ± 0.01768
pull
Entries 50
Mean 3.561
Std Dev 33.93

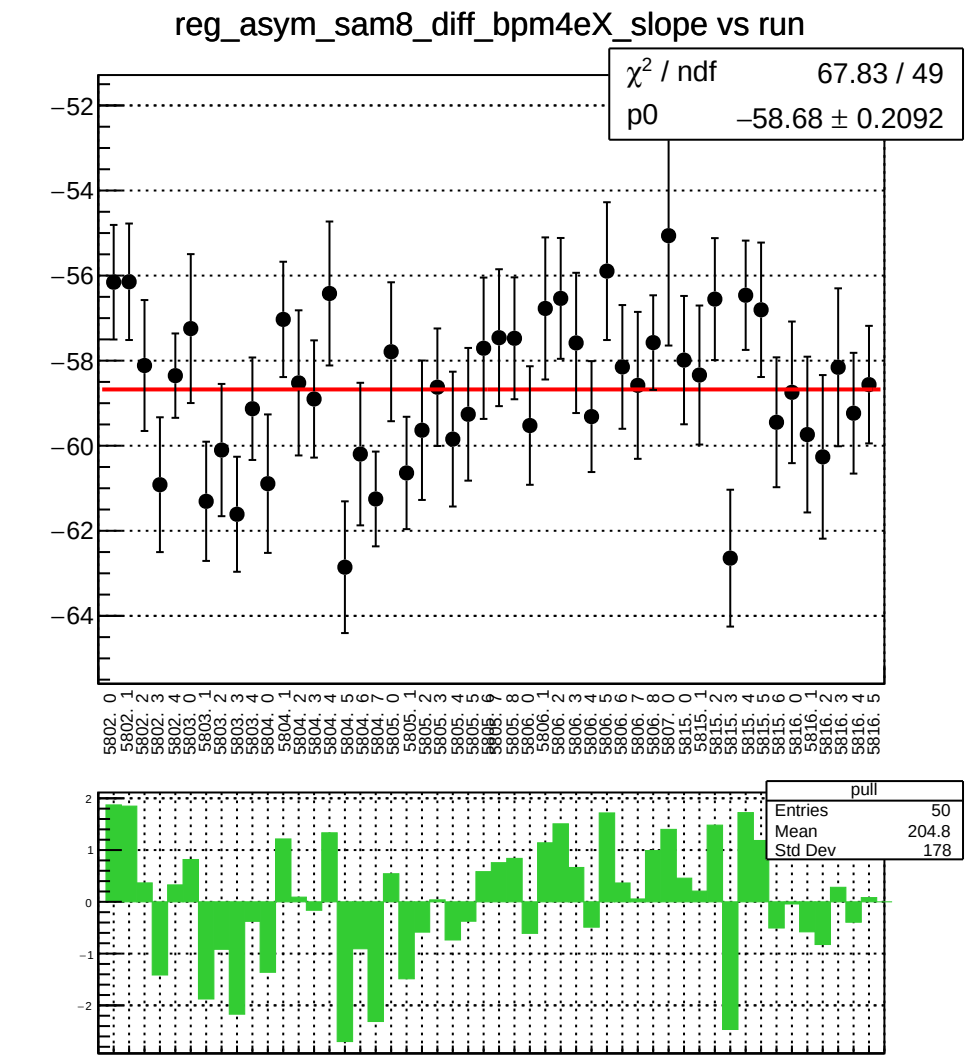

pull1D
Entries 50
Mean 0.0272
Std Dev 1.137

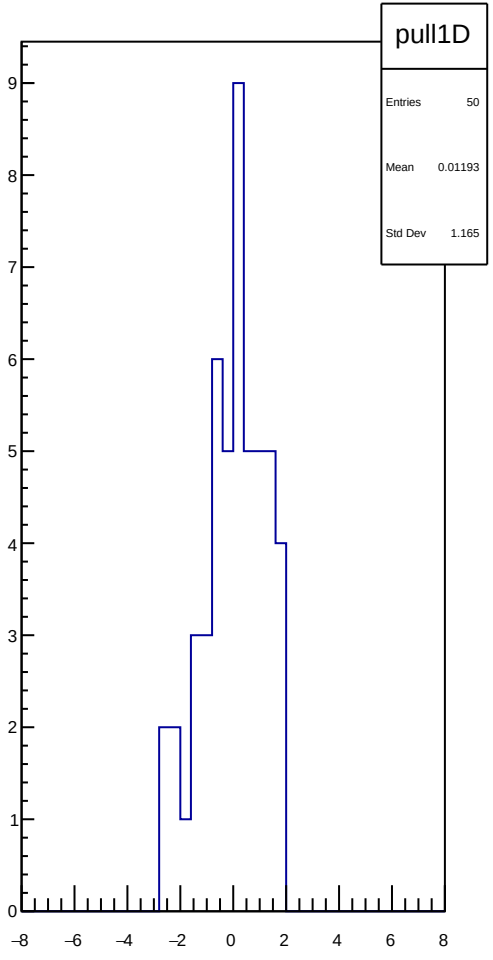

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 66.64 / 49
p0 45.11 ± 0.1642
pull
Entries 50
Mean 72.19
Std Dev 39.2

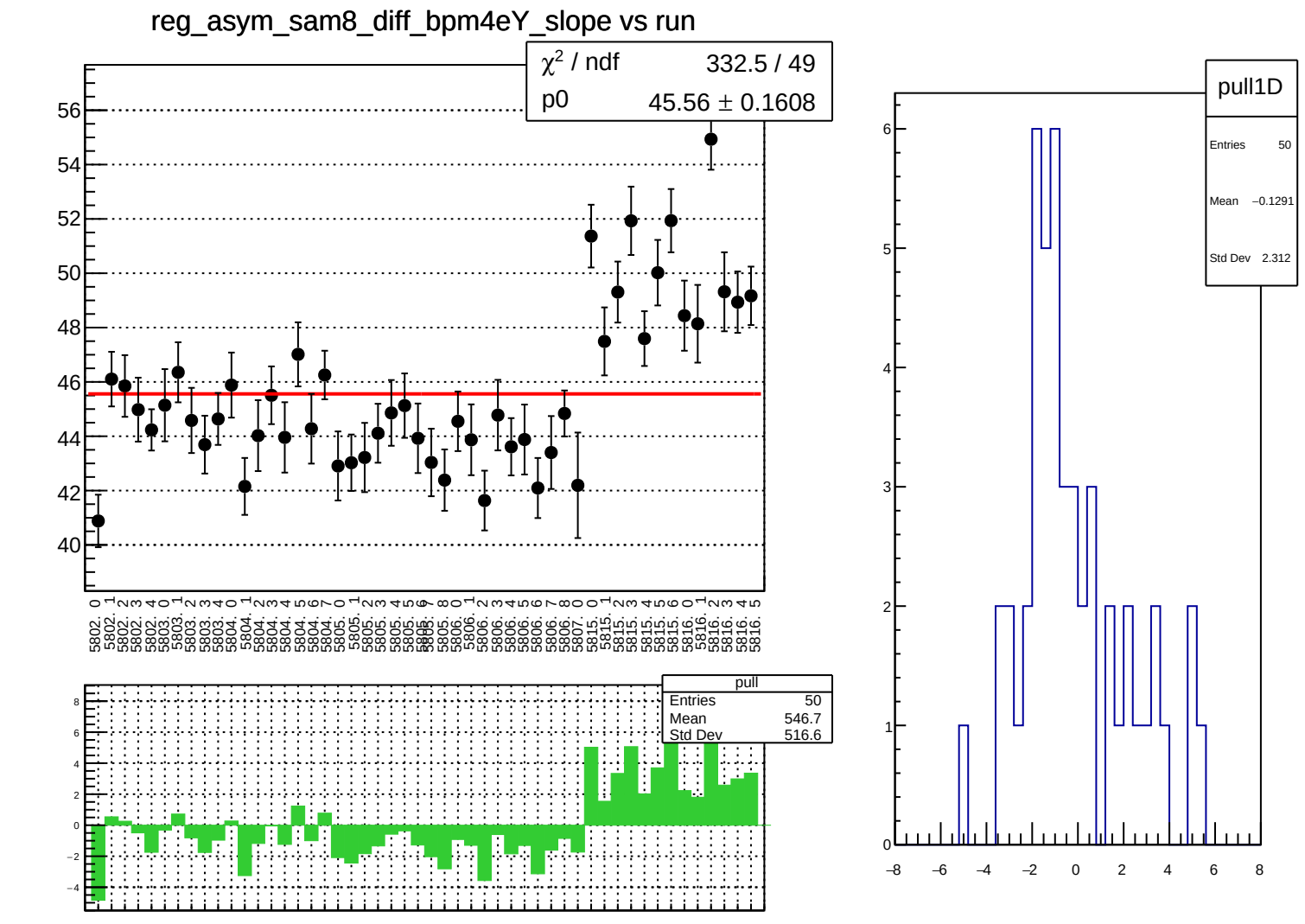

pull1D
Entries 50
Mean 0.01368
Std Dev 1.154

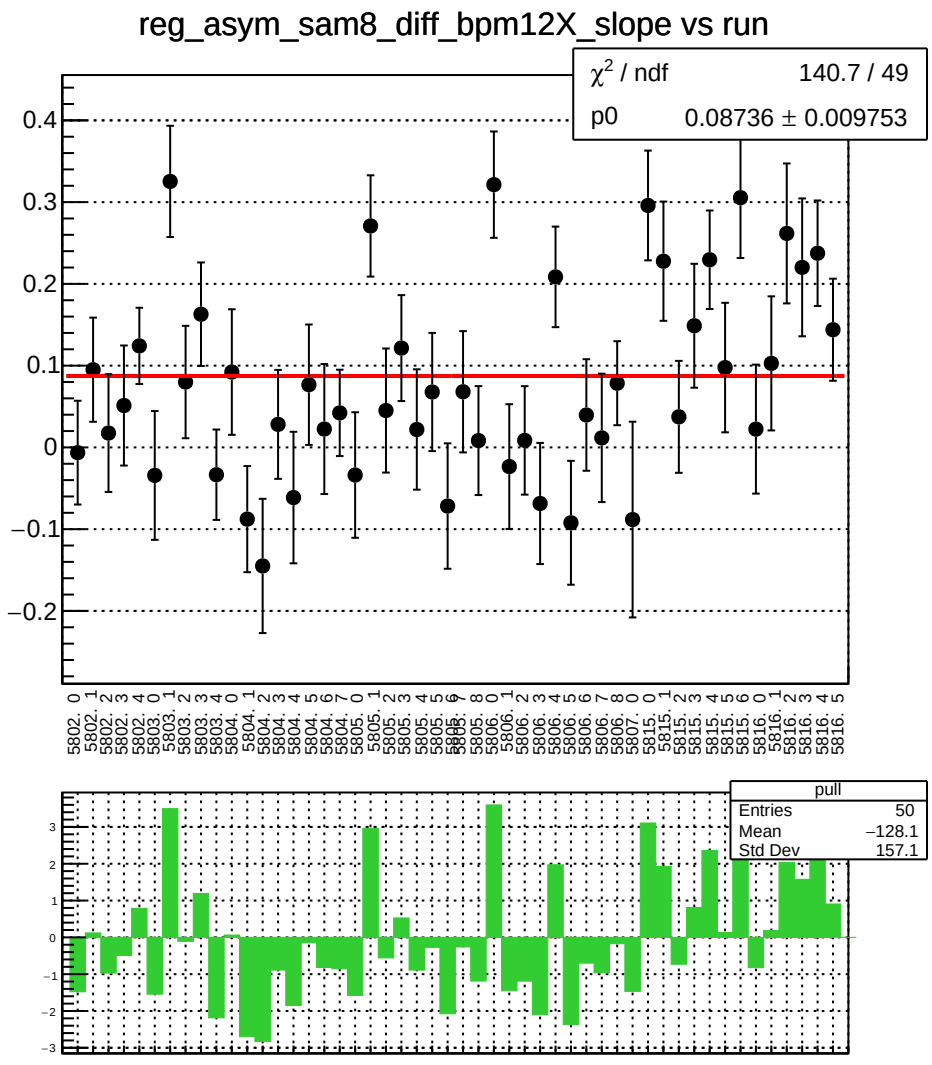

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 412.3 / 49
p0 −45.96 ± 0.1474
pull
Entries 50
Mean 312.5
Std Dev 282.6

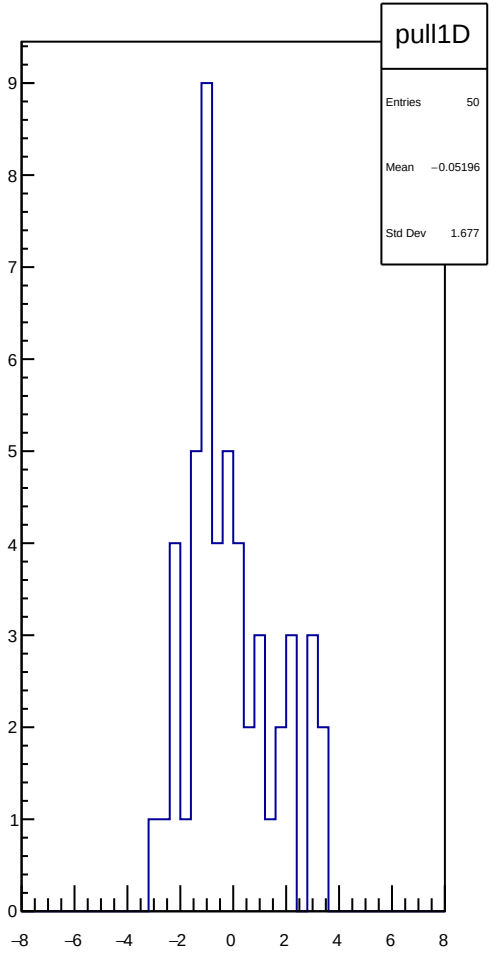

pull1D
Entries 50
Mean 0.09742
Std Dev 2.594

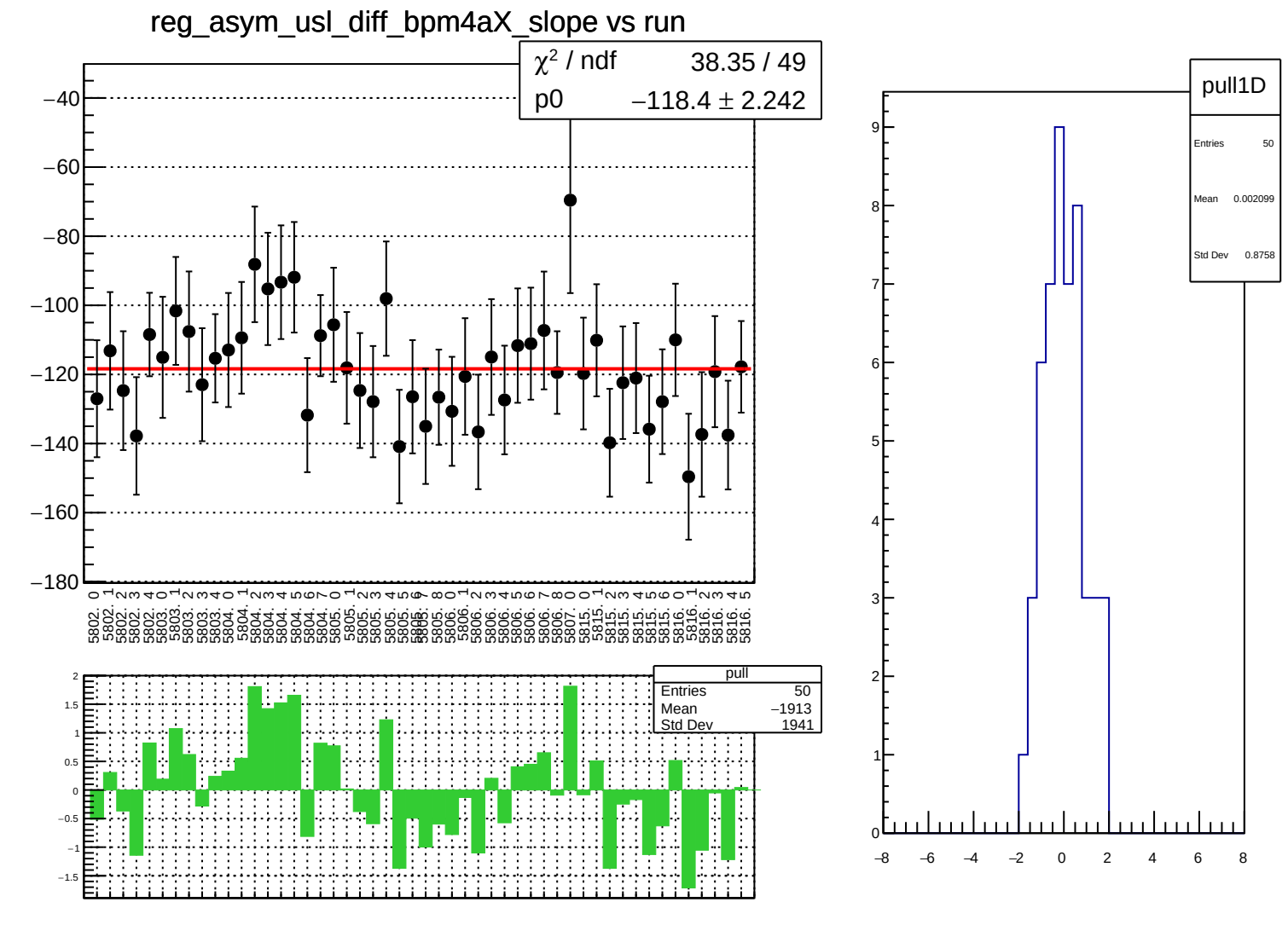

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 67.83 / 49
p0 −58.68 ± 0.2092
pull
Entries 50
Mean 204.8
Std Dev 178

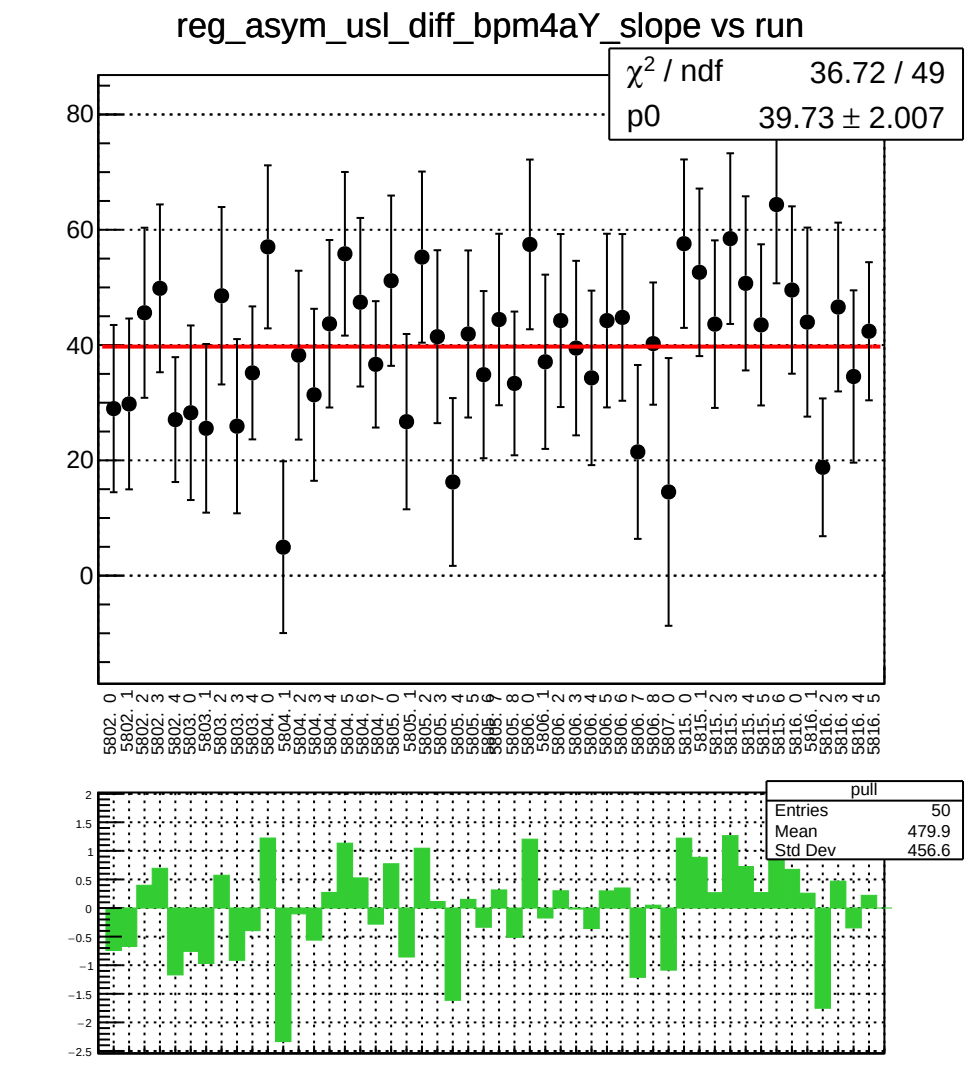

pull1D
Entries 50
Mean 0.01193
Std Dev 1.165

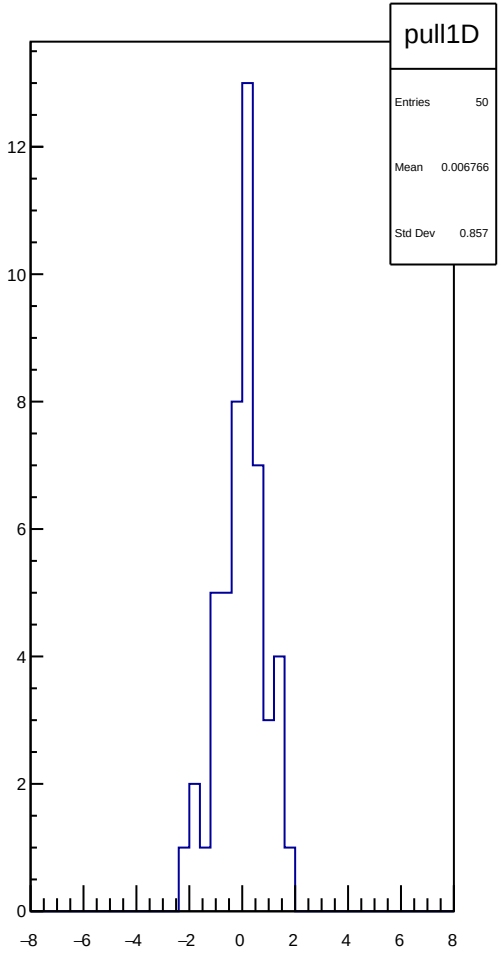

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 332.5 / 49
p0 45.56 ± 0.1608
pull
Entries 50
Mean 546.7
Std Dev 516.6
pull1D
Entries 50
Mean −0.1291
Std Dev 2.312

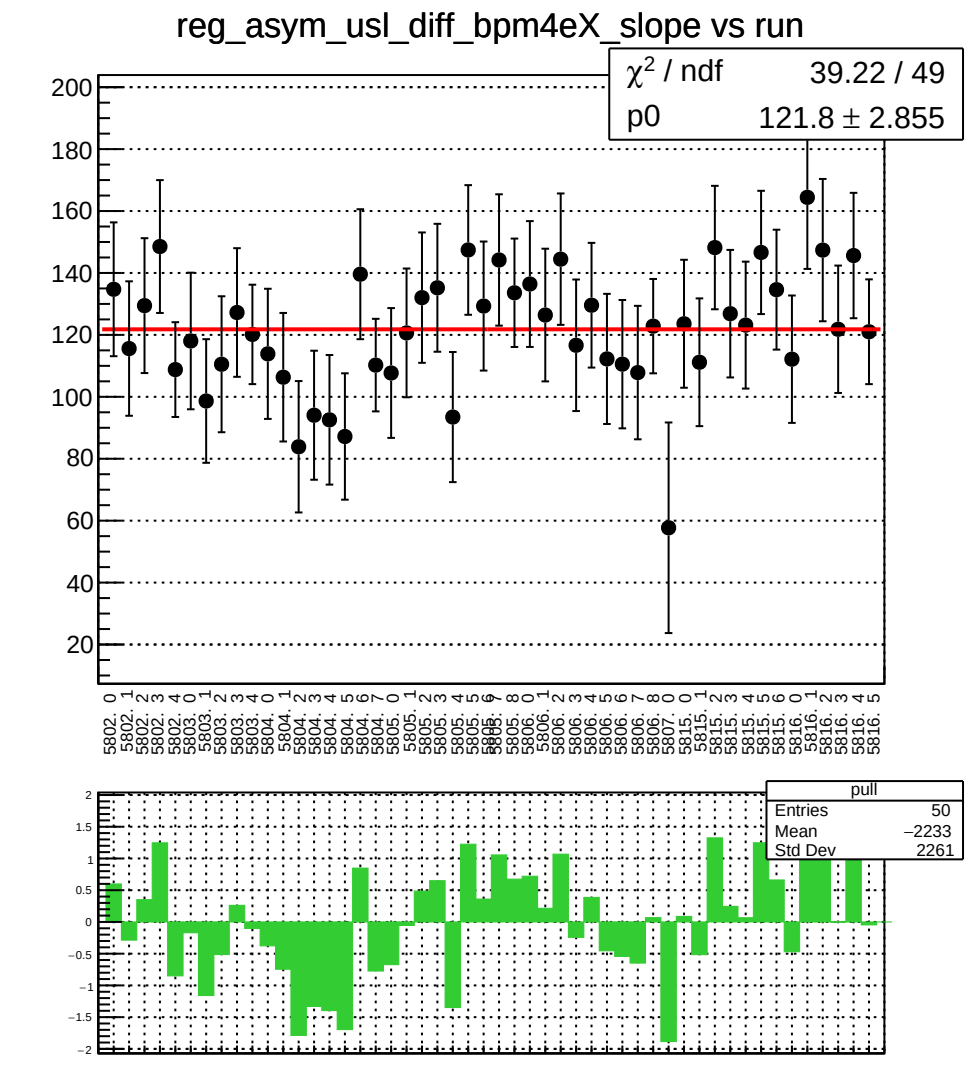

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 140.7 / 49
p0 0.08736 ± 0.009753
pull
Entries 50
Mean −128.1
Std Dev 157.1

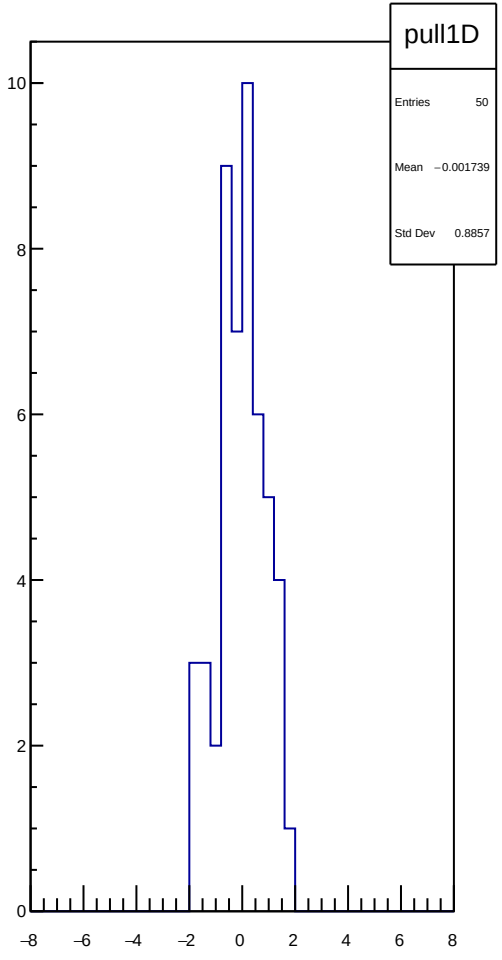

pull1D
Entries 50
Mean −0.05196
Std Dev 1.677

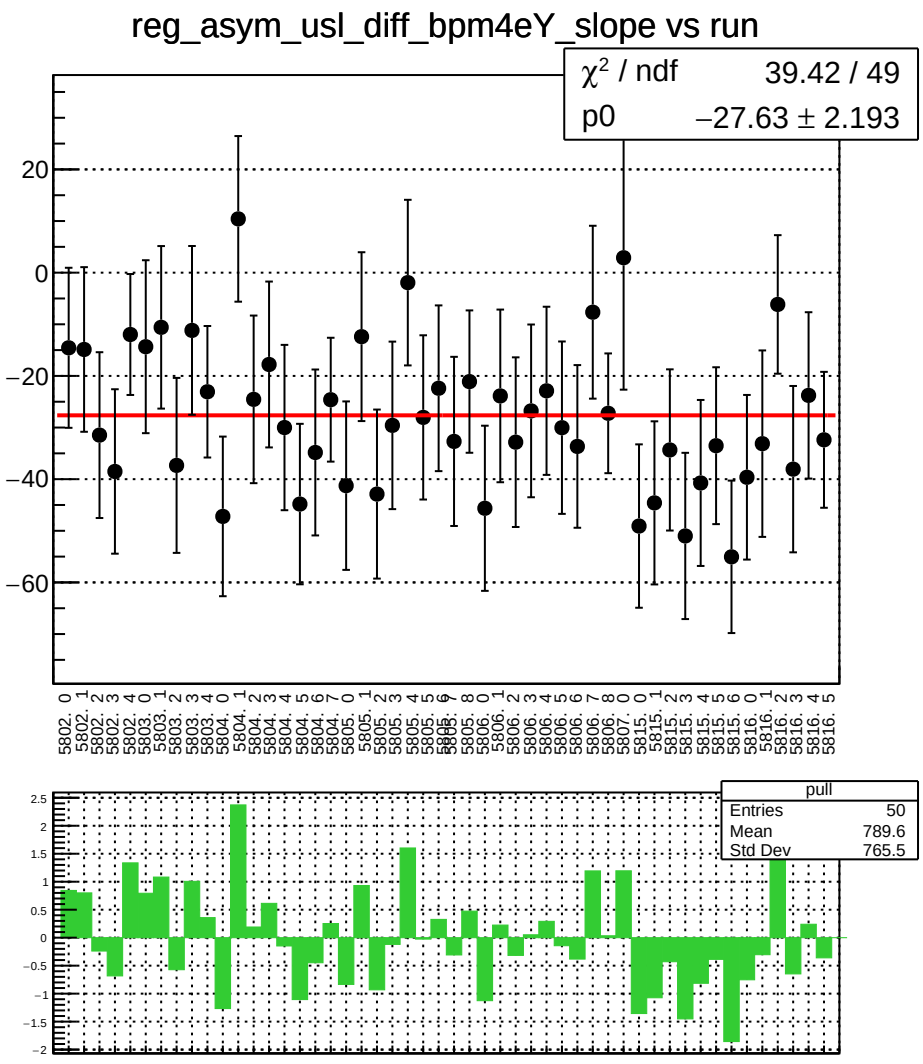

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 38.35 / 49
p0 −118.4 ± 2.242
pull
Entries 50
Mean −1913
Std Dev 1941
pull1D
Entries 50
Mean 0.002099
Std Dev 0.8758

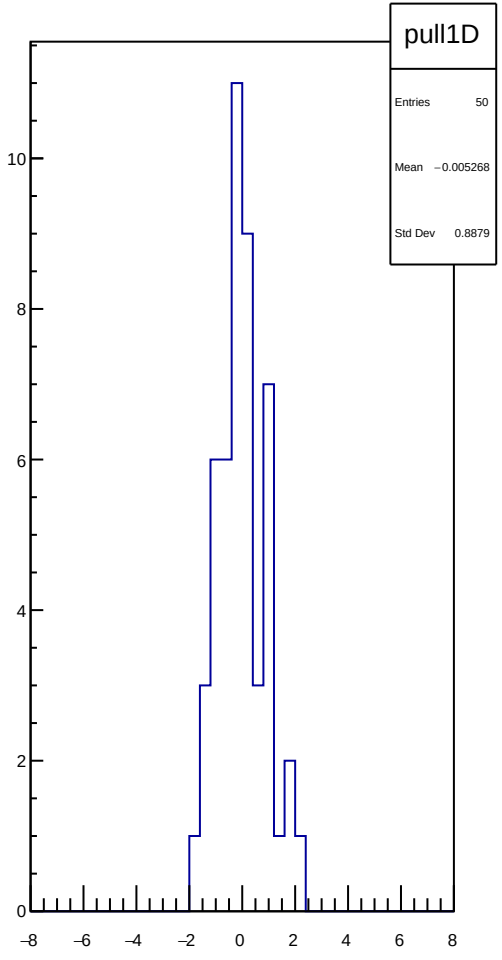

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 36.72 / 49
p0 39.73 ± 2.007
pull
Entries 50
Mean 479.9
Std Dev 456.6

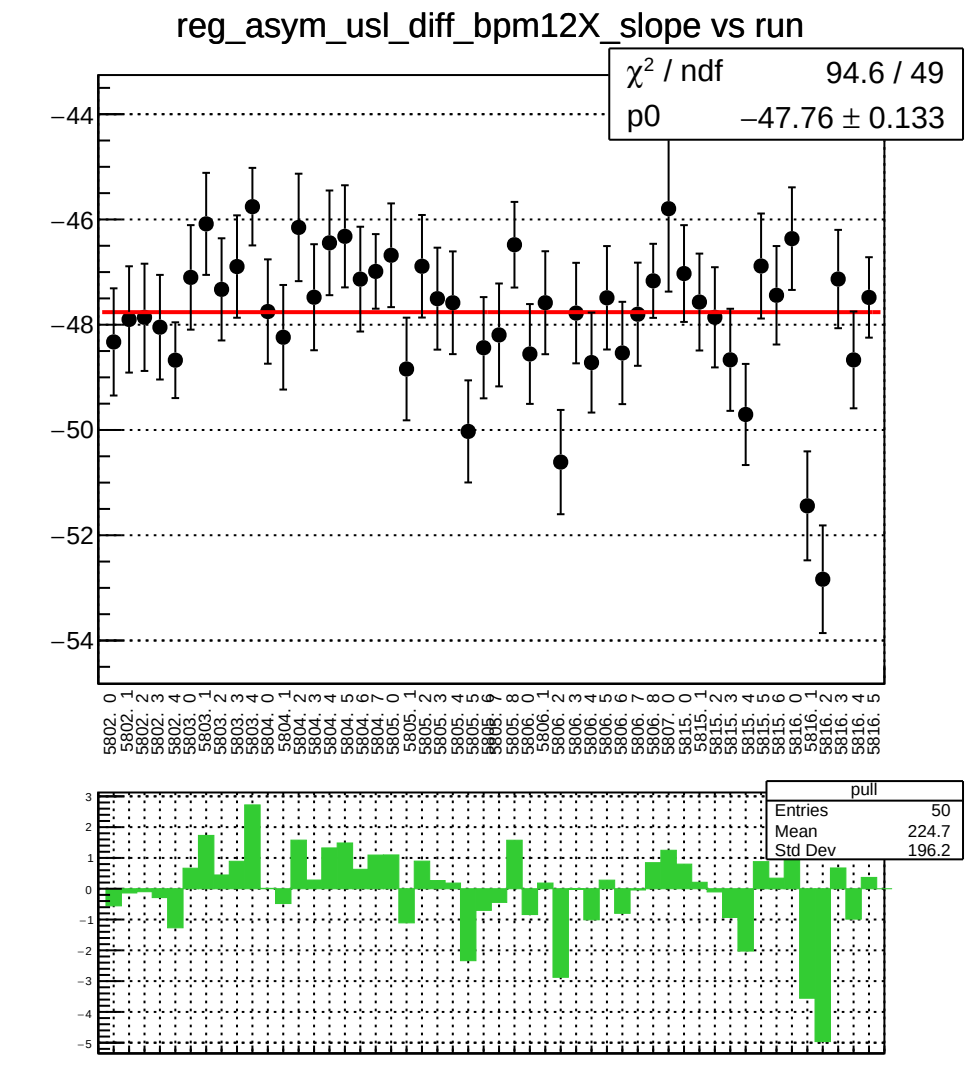

pull1D
Entries 50
Mean 0.006766
Std Dev 0.857

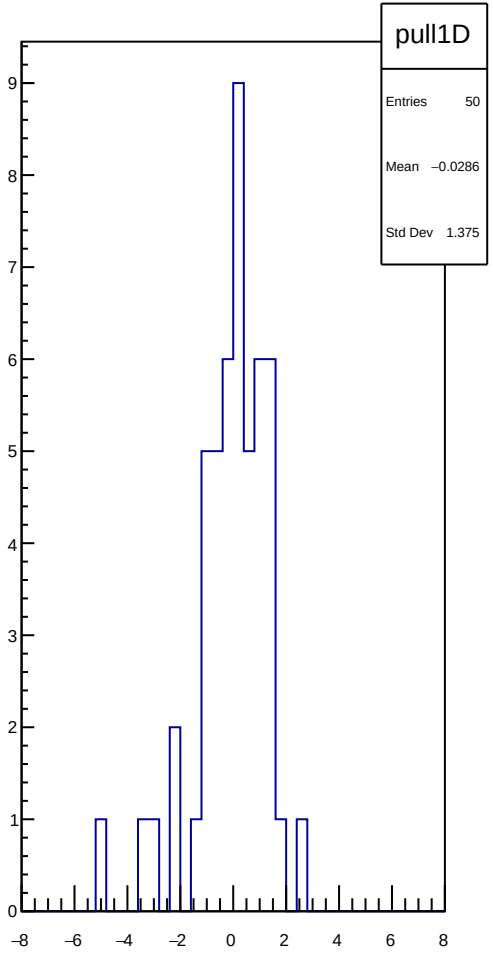

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 39.22 / 49
p0 121.8 ± 2.855
pull
Entries 50
Mean −2233
Std Dev 2261

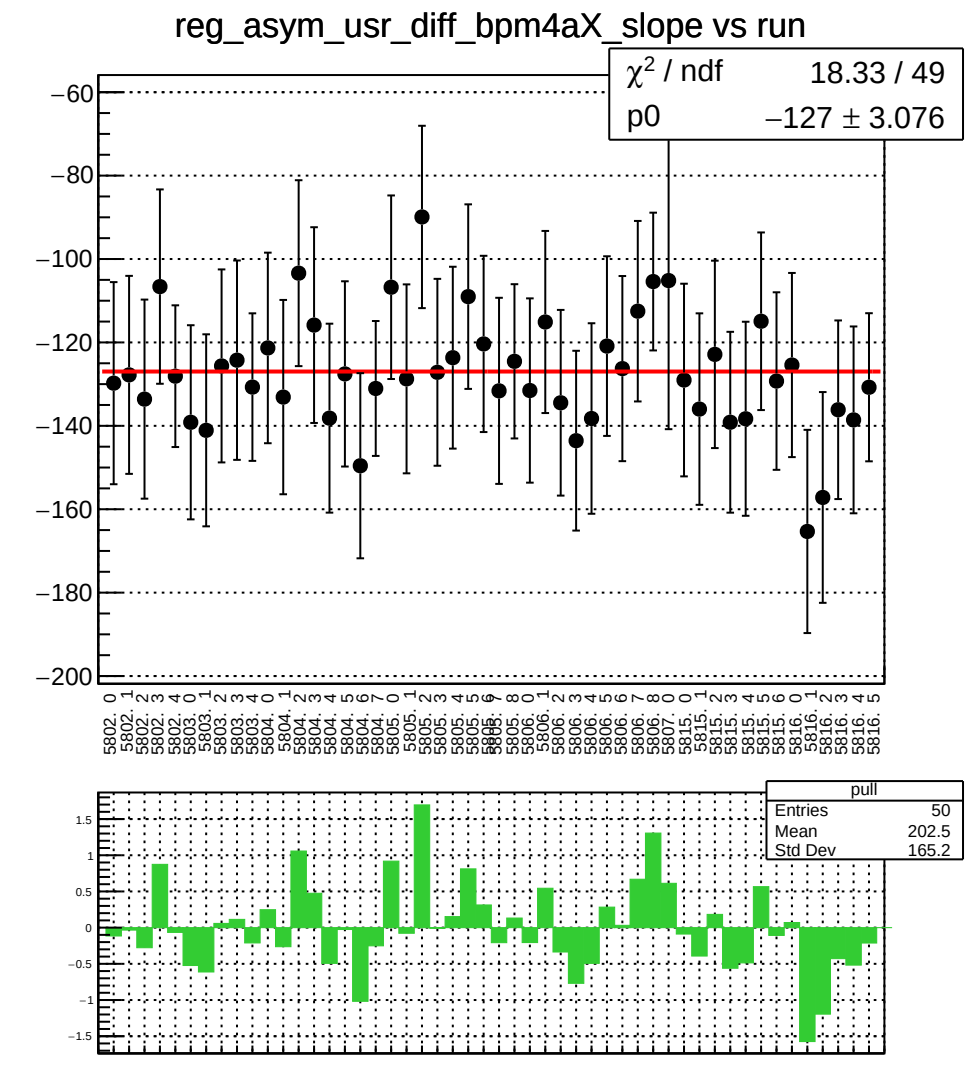

pull1D
Entries 50
Mean −0.001739
Std Dev 0.8857

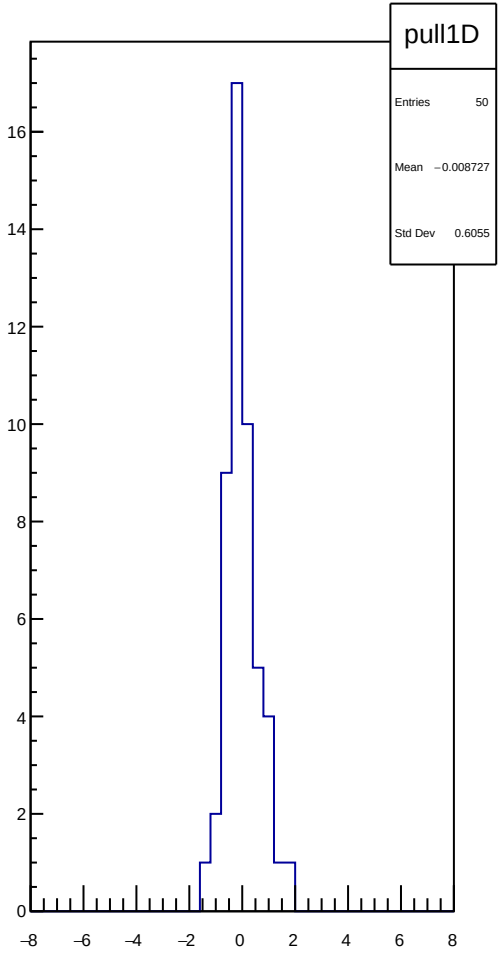

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 39.42 / 49
p0 −27.63 ± 2.193
20
0
−20
−40
−60
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
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

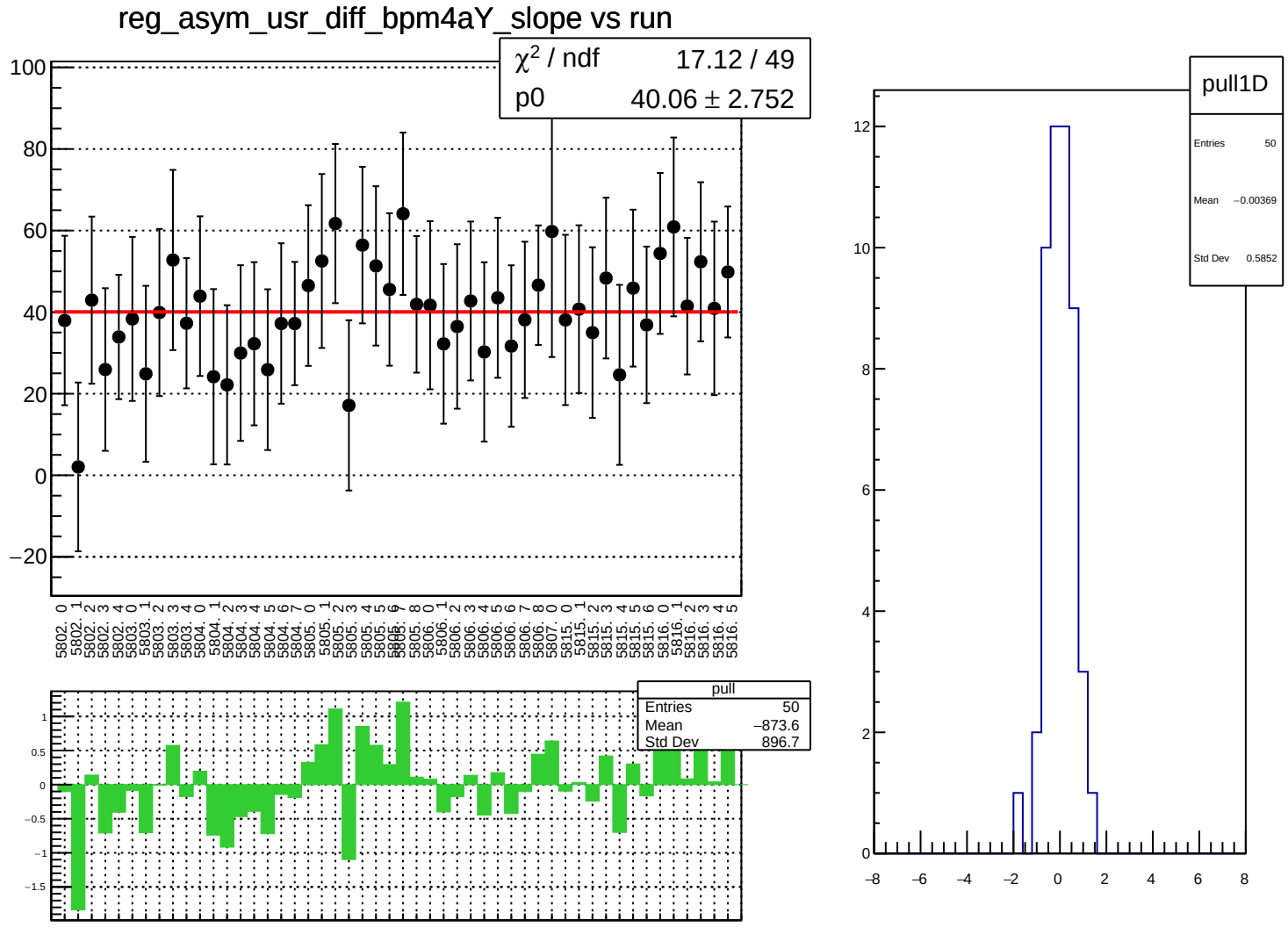

pull1D
Entries 50
Mean −0.005268
Std Dev 0.8879
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

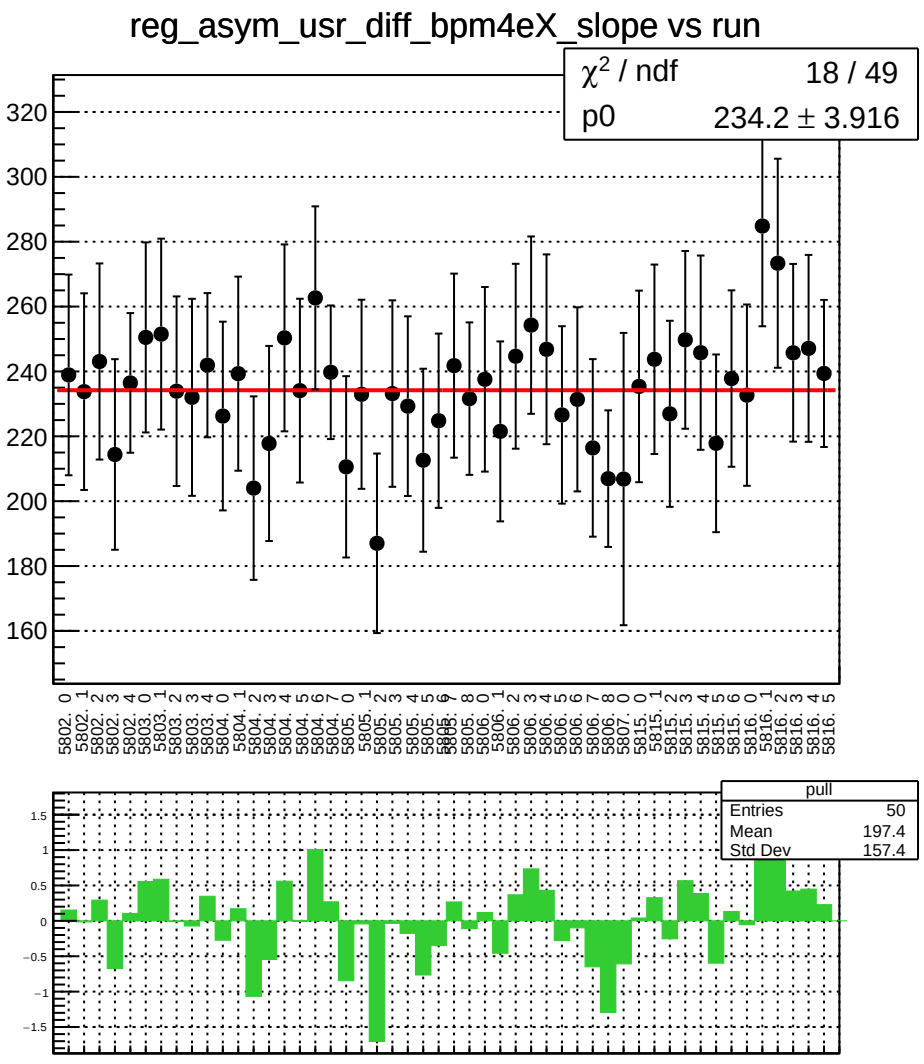

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 94.6 / 49
p0 −47.76 ± 0.133
pull
Entries 50
Mean 224.7
Std Dev 196.2

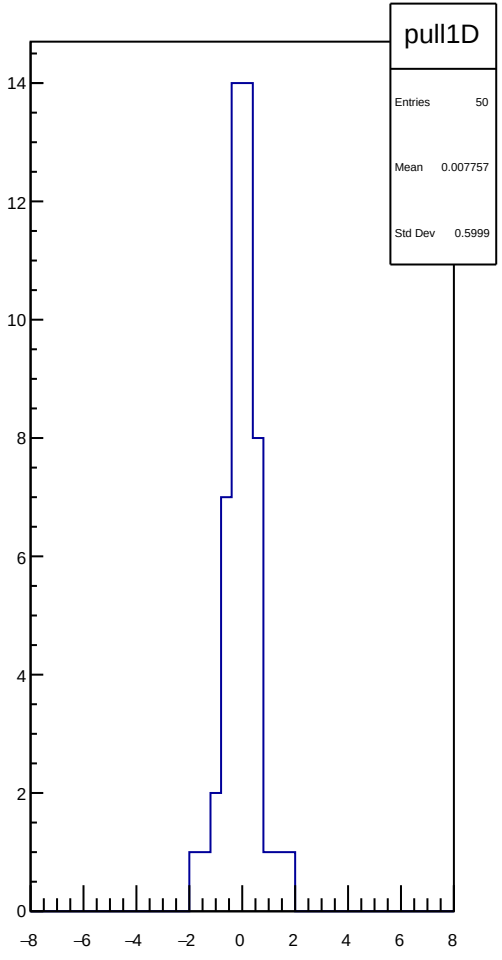

pull1D
Entries 50
Mean −0.0286
Std Dev 1.375

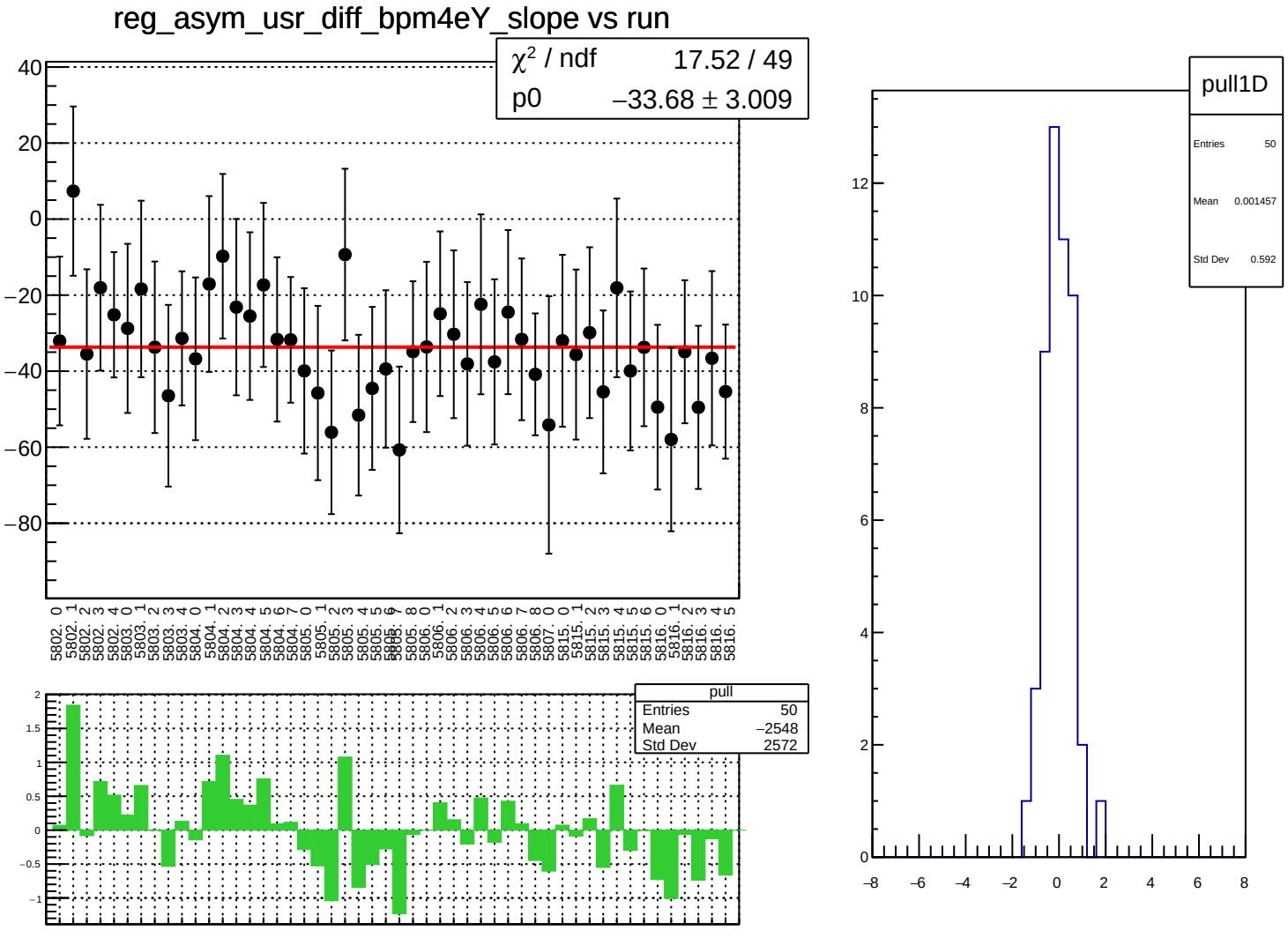

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 18.33 / 49
p0 −127 ± 3.076
pull
Entries 50
Mean 202.5
Std Dev 165.2

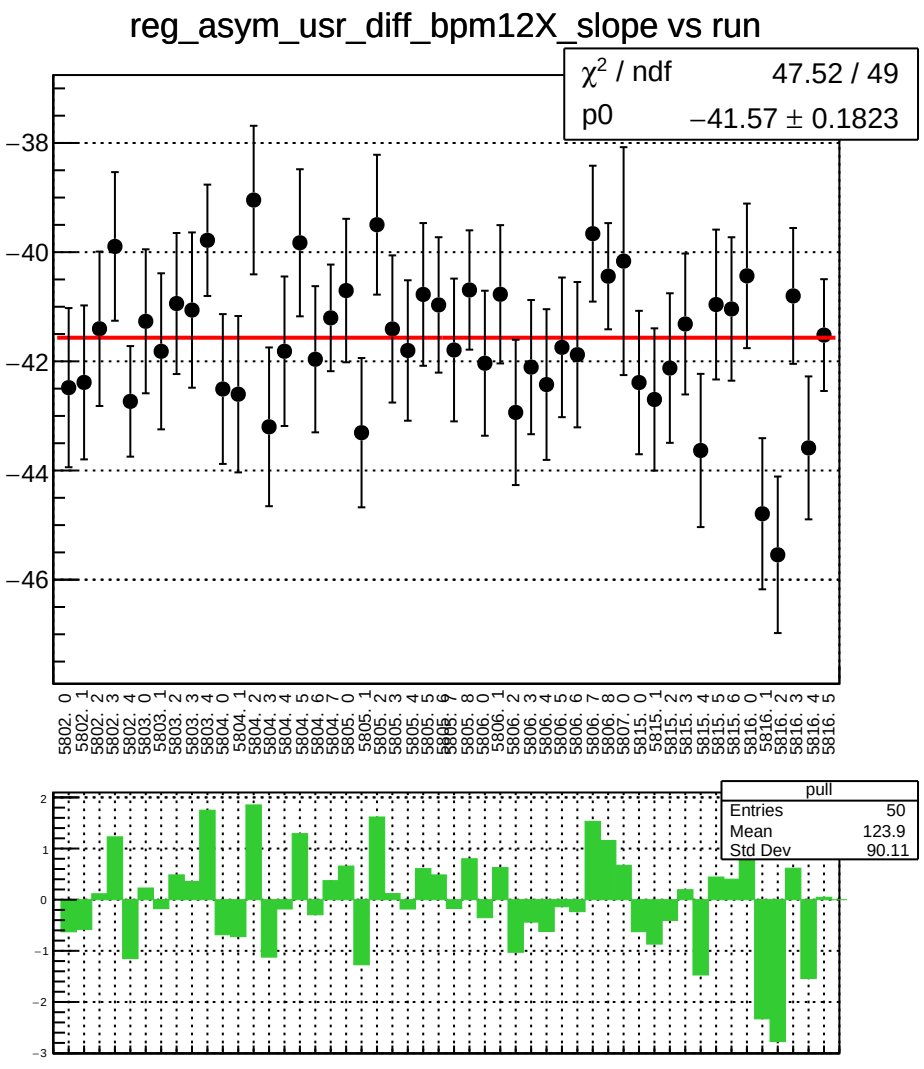

pull1D
Entries 50
Mean −0.008727
Std Dev 0.6055

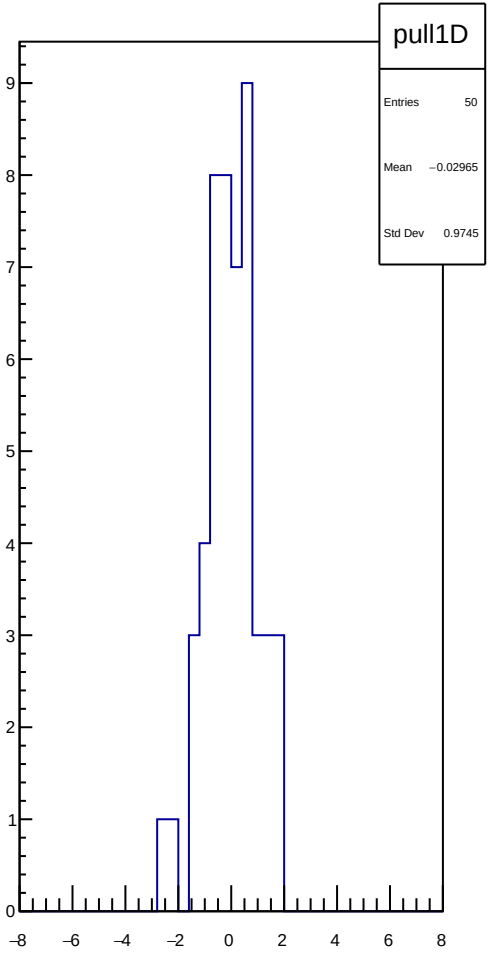

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 17.12 / 49
p0 40.06 ± 2.752
pull
Entries 50
Mean −873.6
Std Dev 896.7
pull1D
Entries 50
Mean −0.00369
Std Dev 0.5852

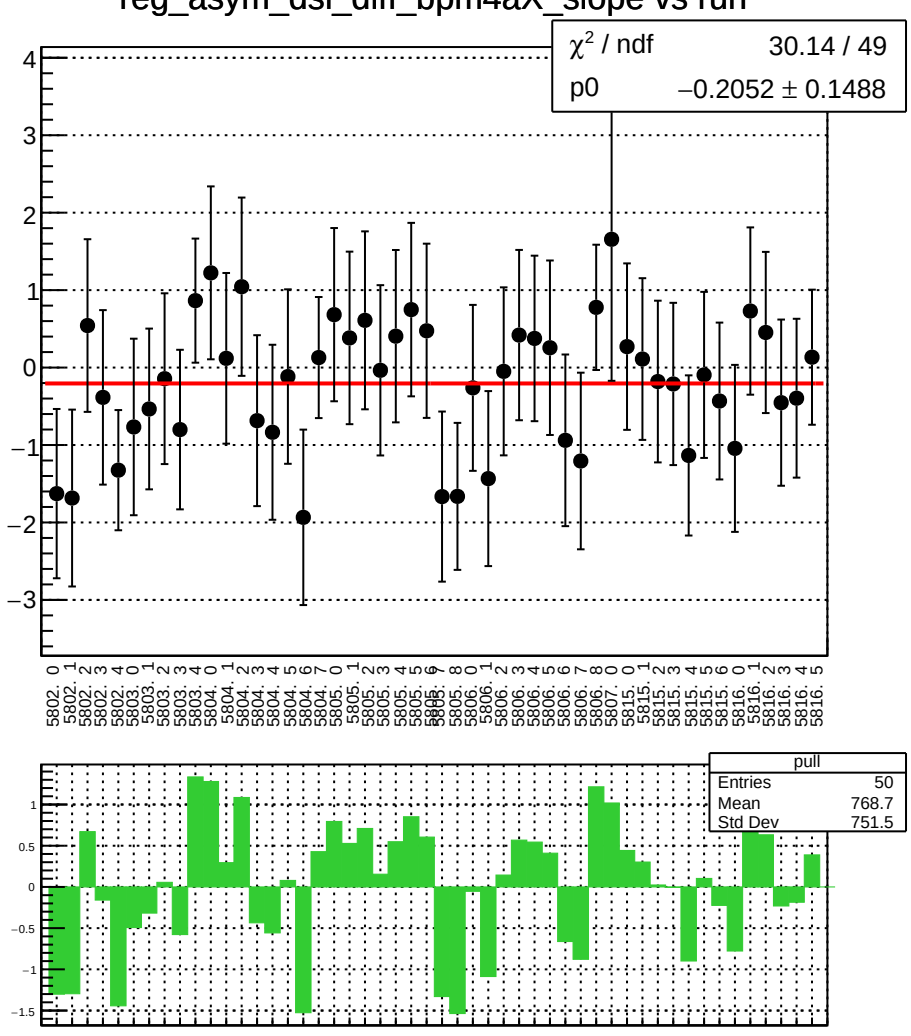

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 18 / 49
p0 234.2 ± 3.916
pull
Entries 50
Mean 197.4
Std Dev 157.4

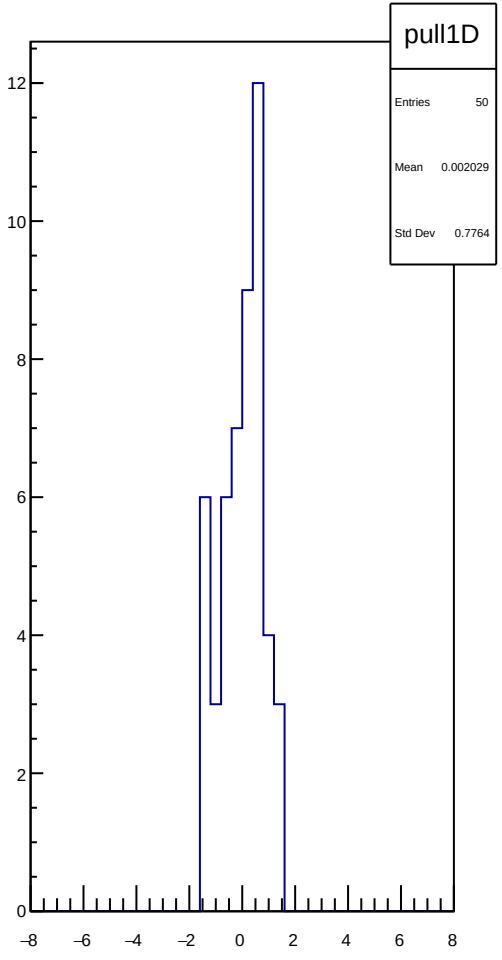

pull1D
Entries 50
Mean 0.007757
Std Dev 0.5999

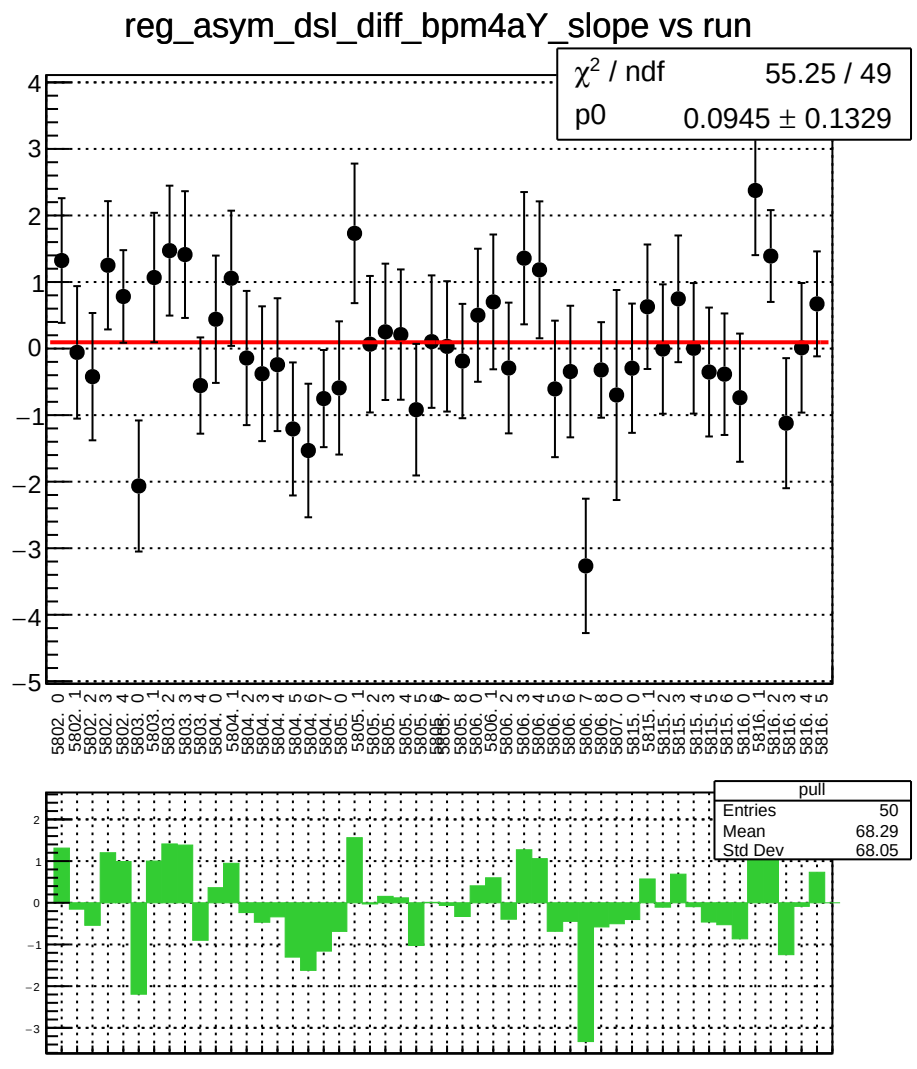

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 17.52 / 49
p0 −33.68 ± 3.009
pull
Entries 50
Mean −2548
Std Dev 2572
pull1D
Entries 50
Mean 0.001457
Std Dev 0.592

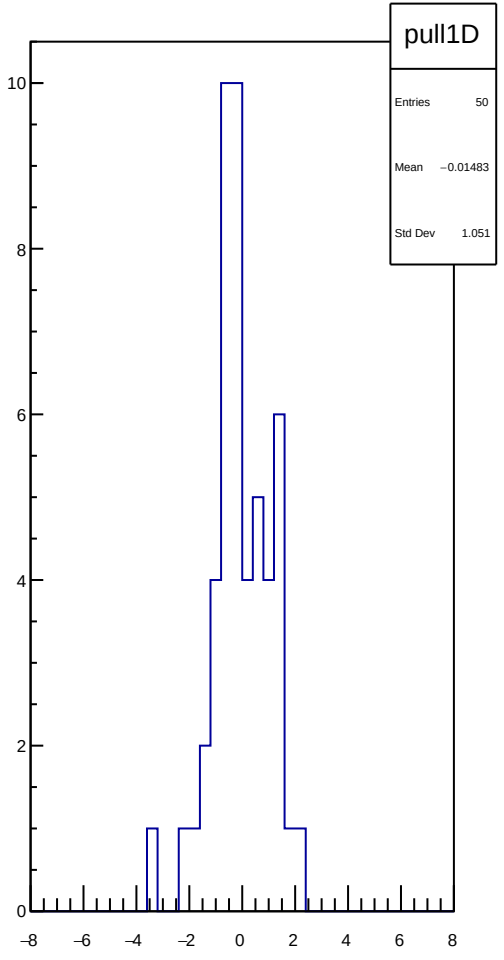

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 47.52 / 49
p0 −41.57 ± 0.1823
pull
Entries 50
Mean 123.9
Std Dev 90.11

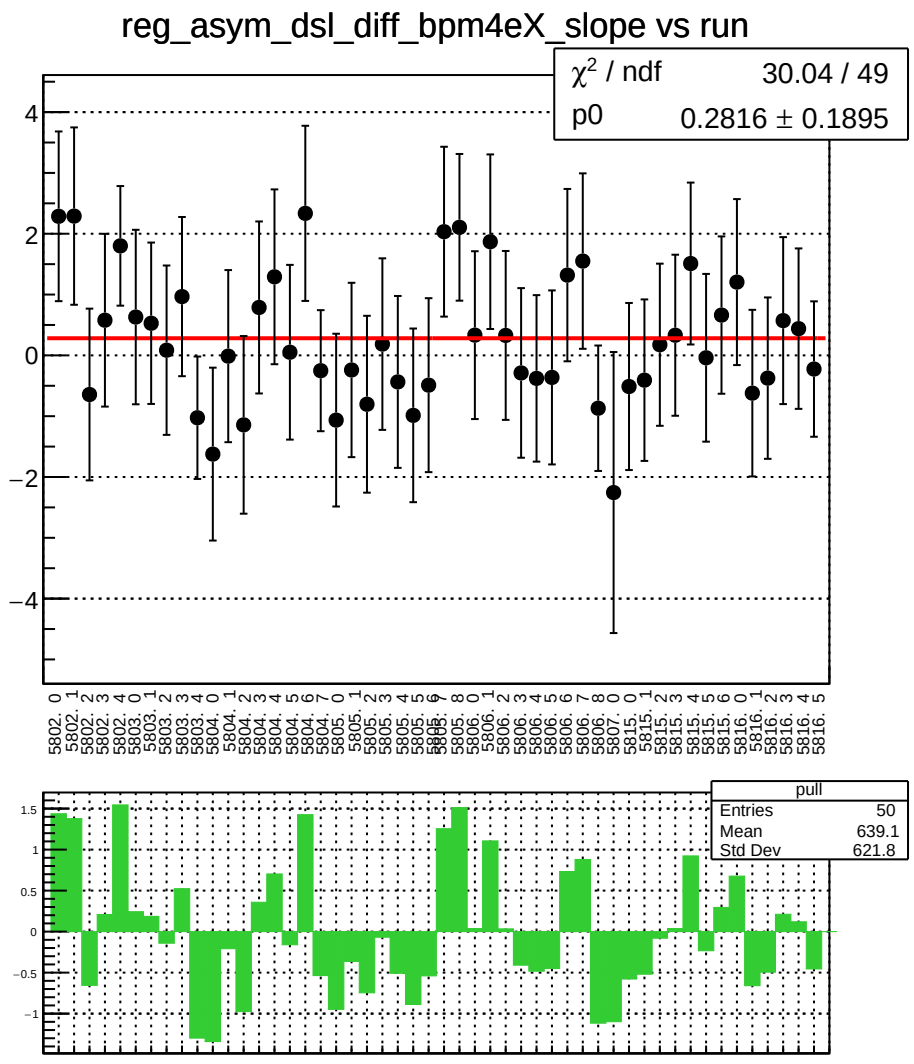

pull1D
Entries 50
Mean −0.02965
Std Dev 0.9745

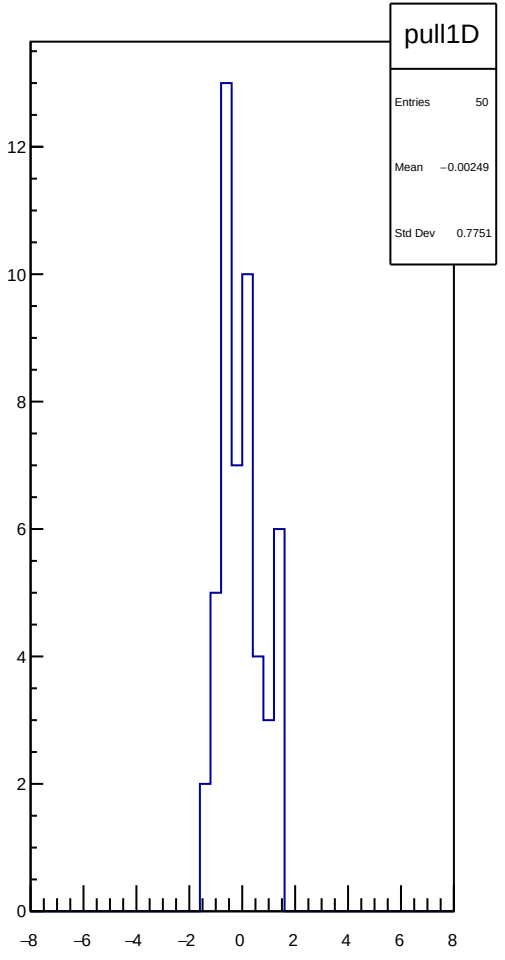

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 30.14 / 49
p0 −0.2052 ± 0.1488
pull
Entries 50
Mean 768.7
Std Dev 751.5

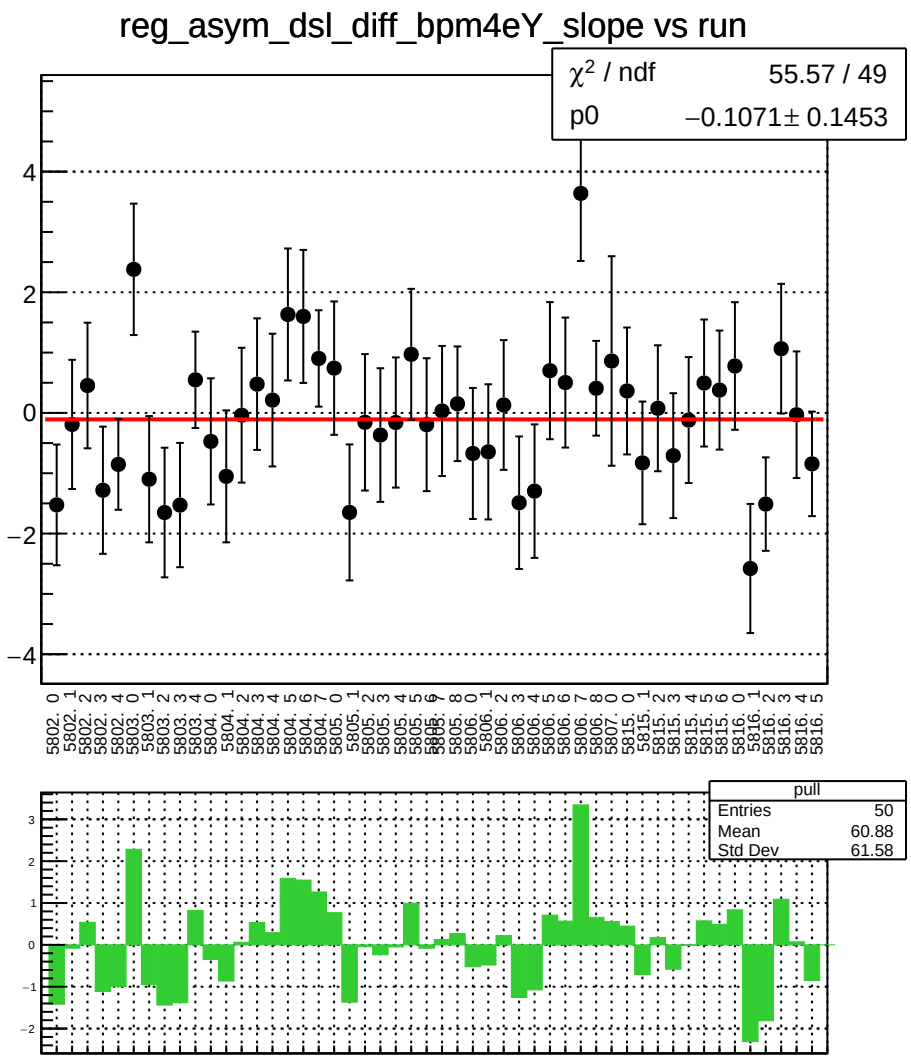

pull1D
Entries 50
Mean 0.002029
Std Dev 0.7764

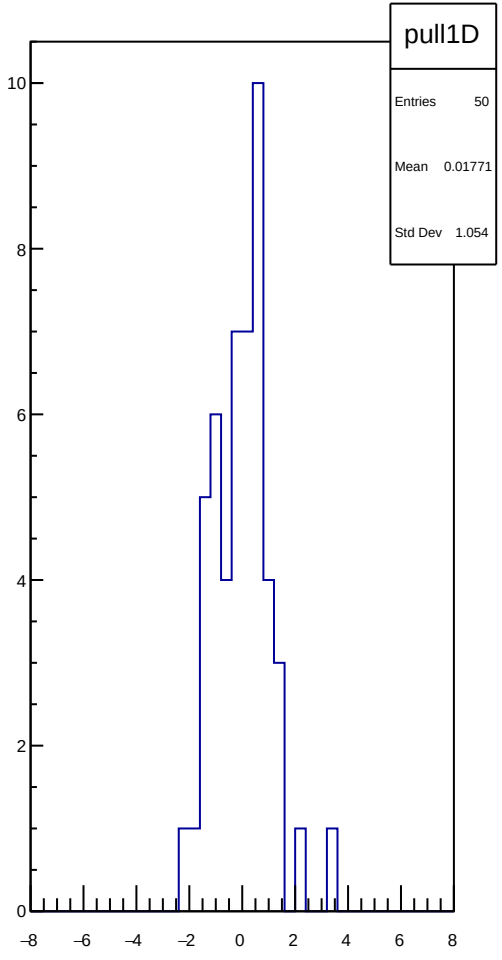

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 55.25 / 49
p0 0.0945 ± 0.1329
pull
Entries 50
Mean 68.29
Std Dev 68.05

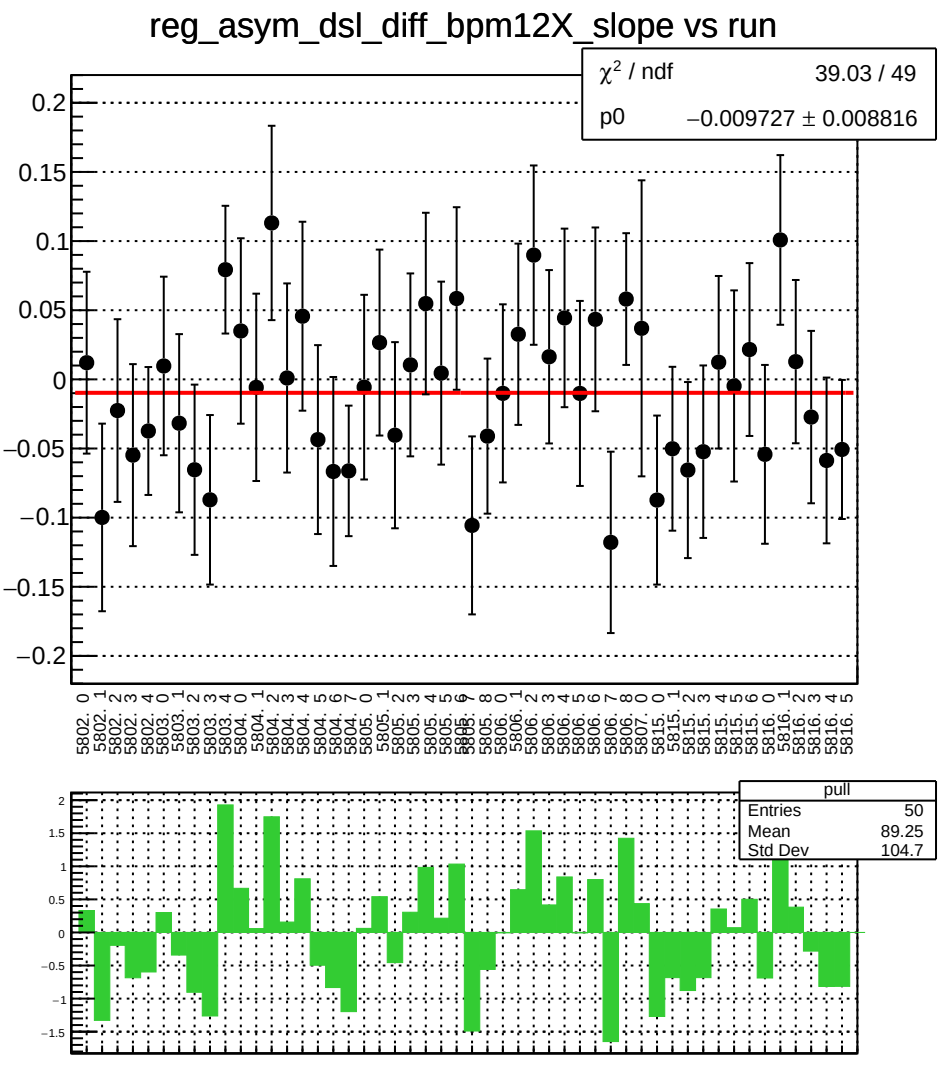

pull1D
Entries 50
Mean −0.01483
Std Dev 1.051

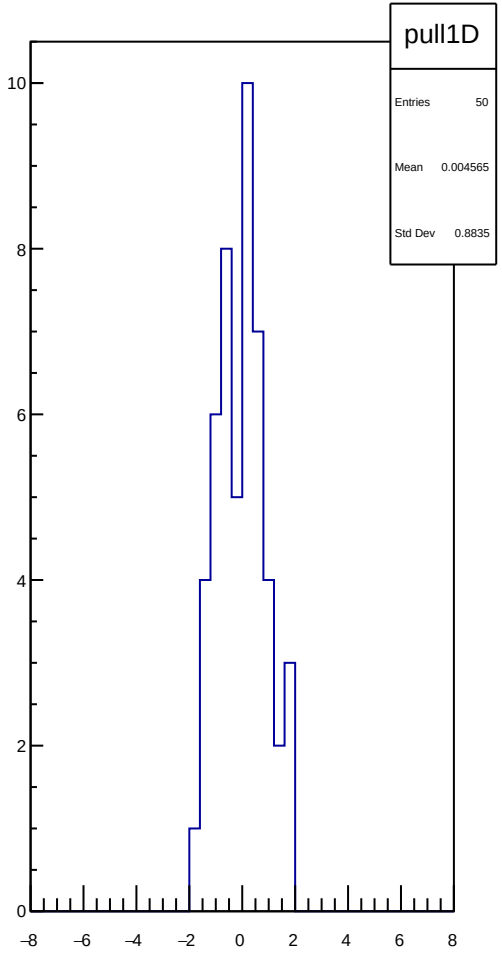

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 30.04 / 49
p0 0.2816 ± 0.1895
pull
Entries 50
Mean 639.1
Std Dev 621.8

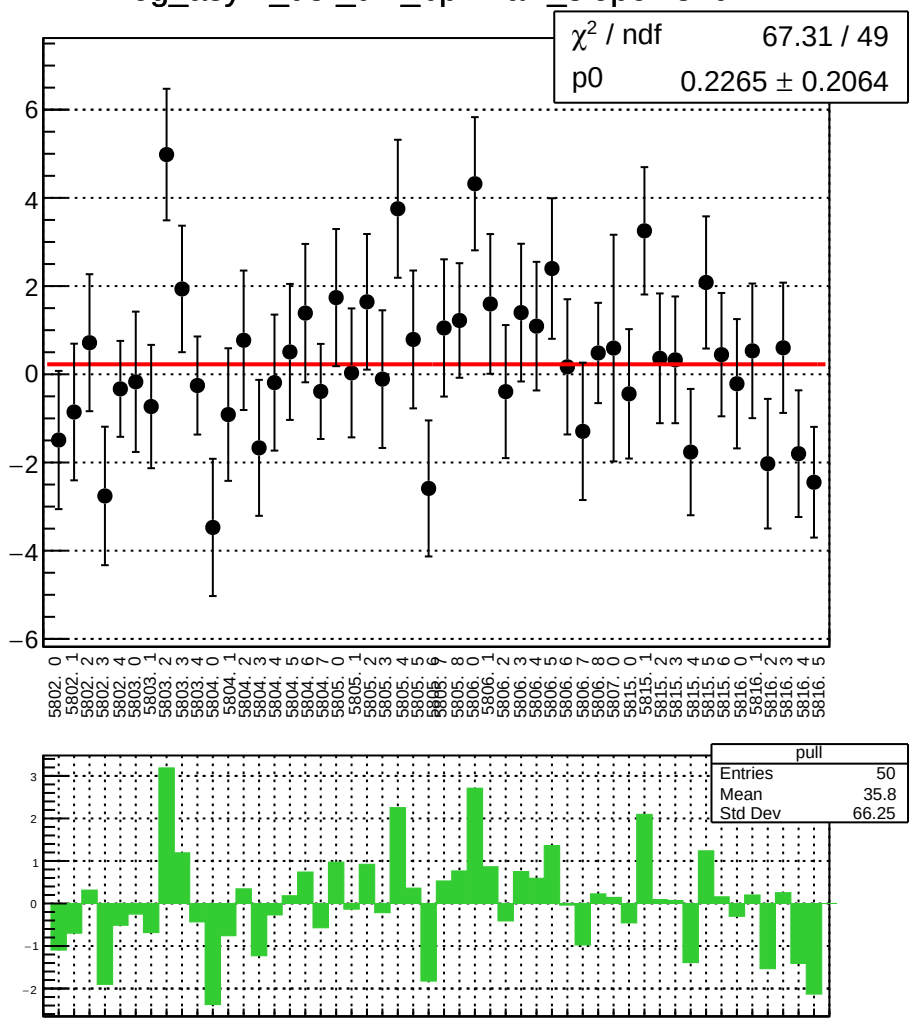

pull1D
Entries 50
Mean −0.00249
Std Dev 0.7751

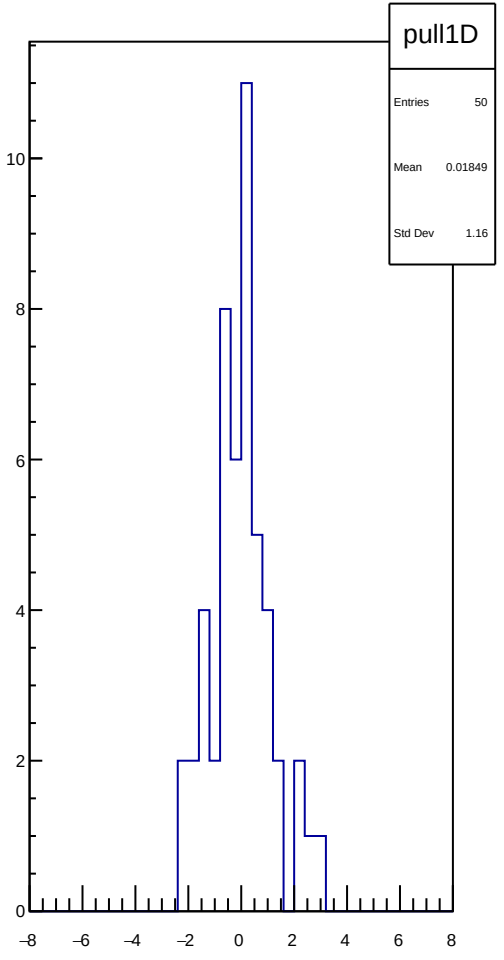

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 55.57 / 49
p0 −0.1071± 0.1453
pull
Entries 50
Mean 60.88
Std Dev 61.58

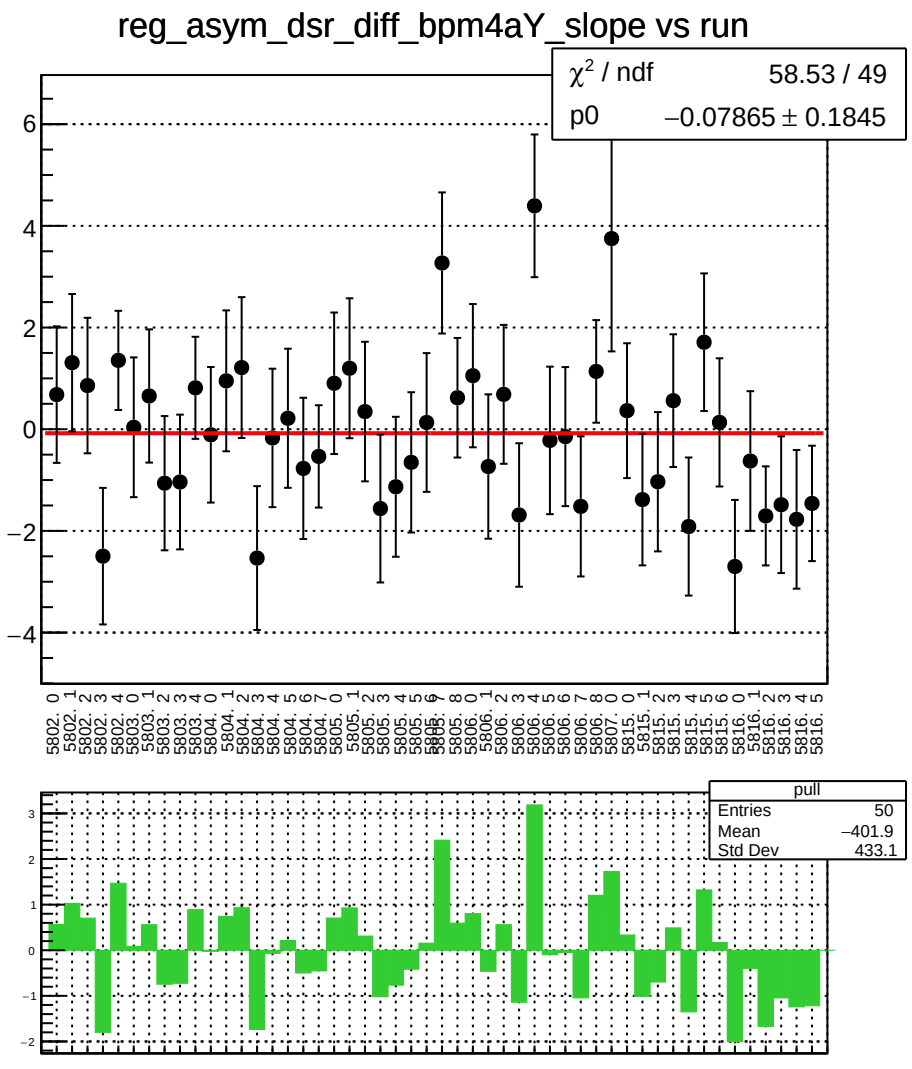

pull1D
Entries 50
Mean 0.01771
Std Dev 1.054

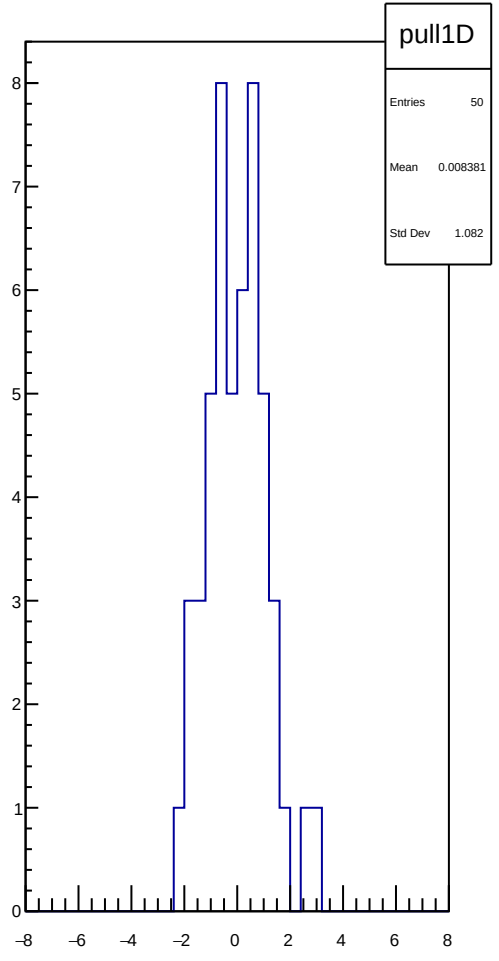

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 39.03 / 49
p0 −0.009727 ± 0.008816
pull
Entries 50
Mean 89.25
Std Dev 104.7

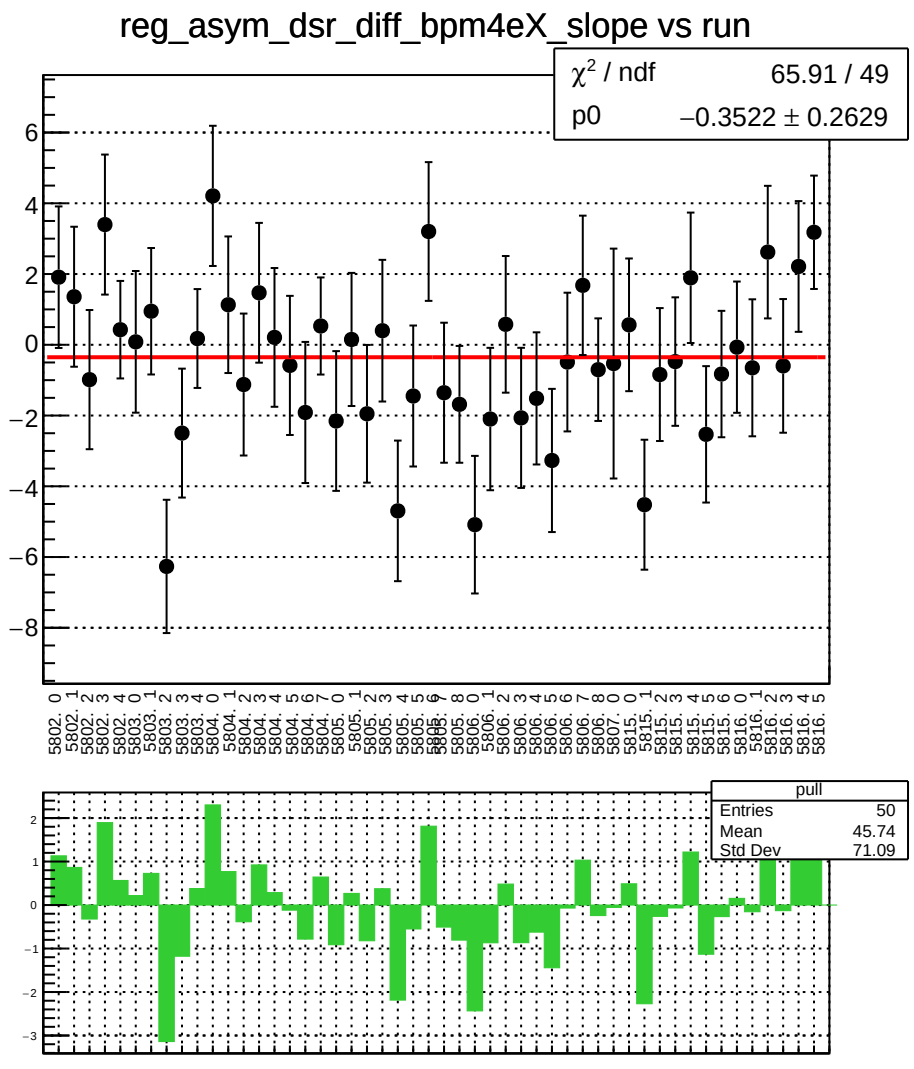

pull1D
Entries 50
Mean 0.004565
Std Dev 0.8835

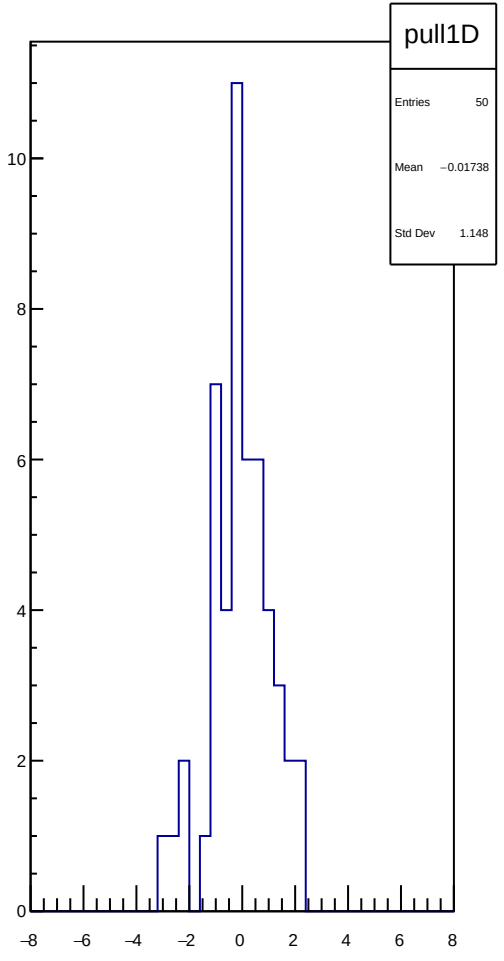

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 67.31 / 49
p0 0.2265 ± 0.2064
pull
Entries 50
Mean 35.8
Std Dev 66.25

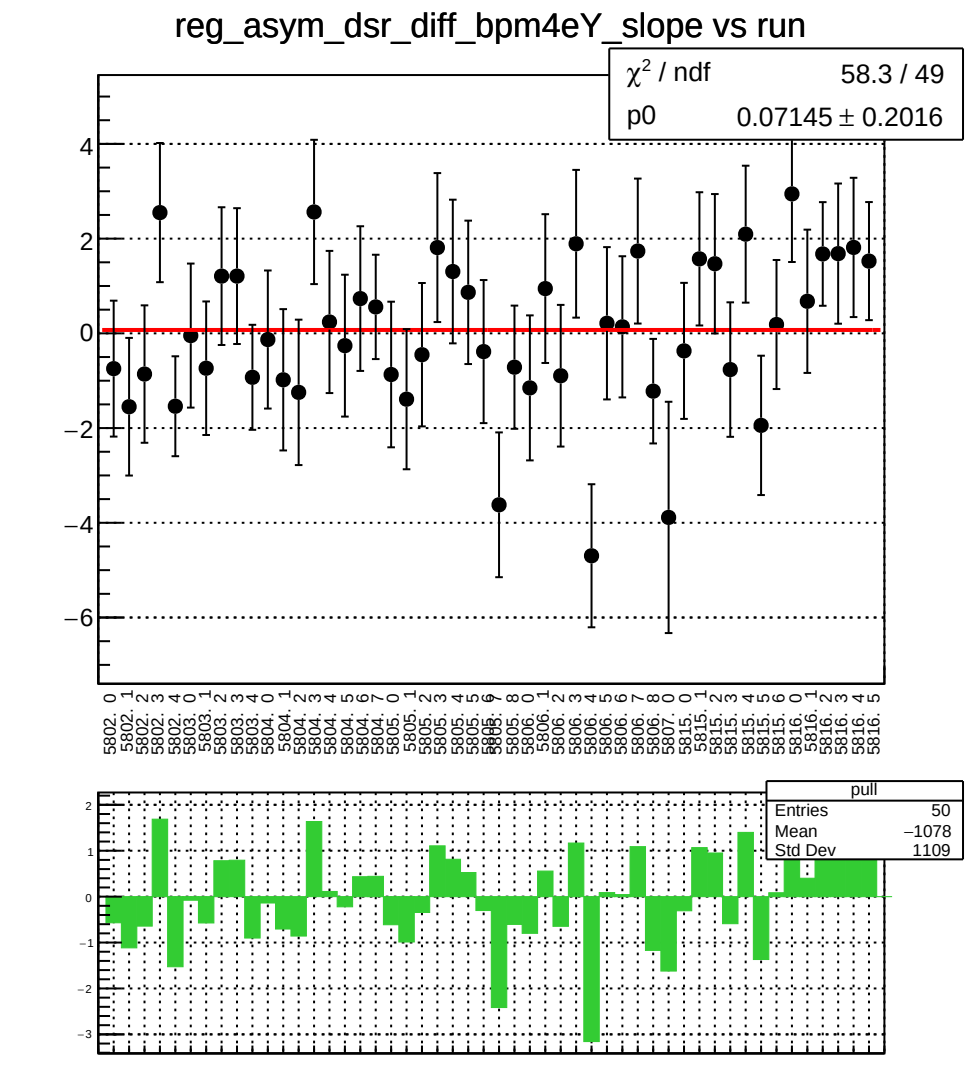

pull1D
Entries 50
Mean 0.01849
Std Dev 1.16

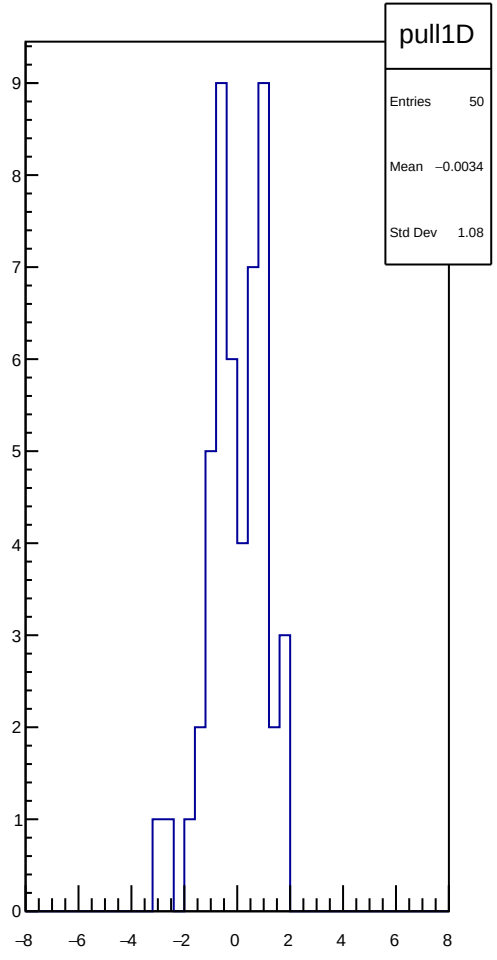

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 58.53 / 49
p0 −0.07865 ± 0.1845
pull
Entries 50
Mean −401.9
Std Dev 433.1

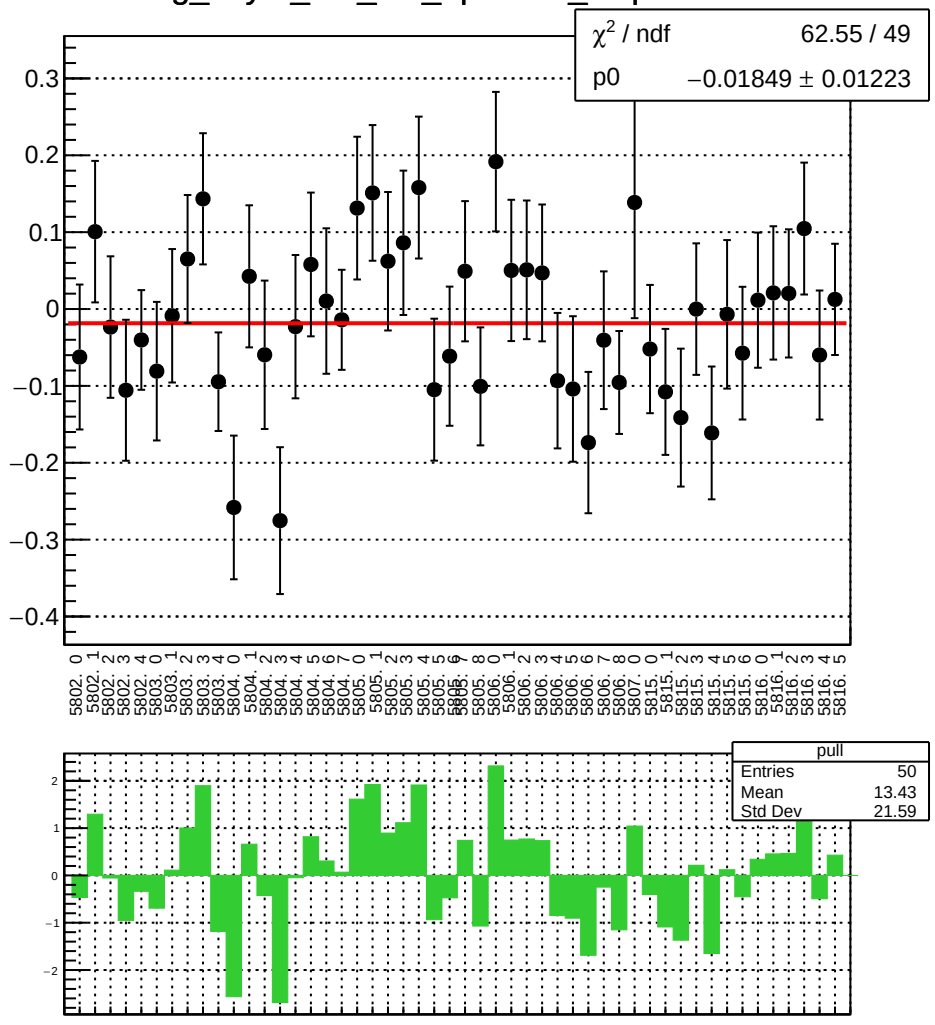

pull1D
Entries 50
Mean 0.008381
Std Dev 1.082

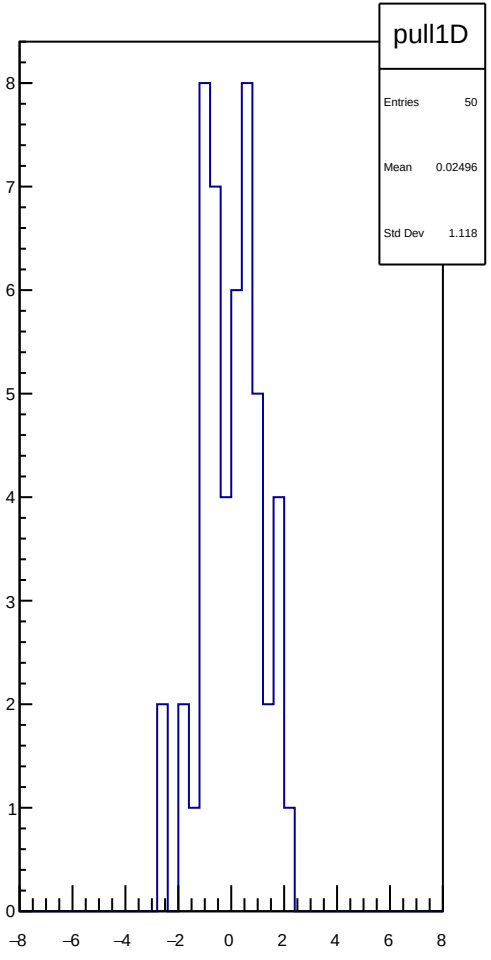

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 65.91 / 49
p0 −0.3522 ± 0.2629
pull
Entries 50
Mean 45.74
Std Dev 71.09

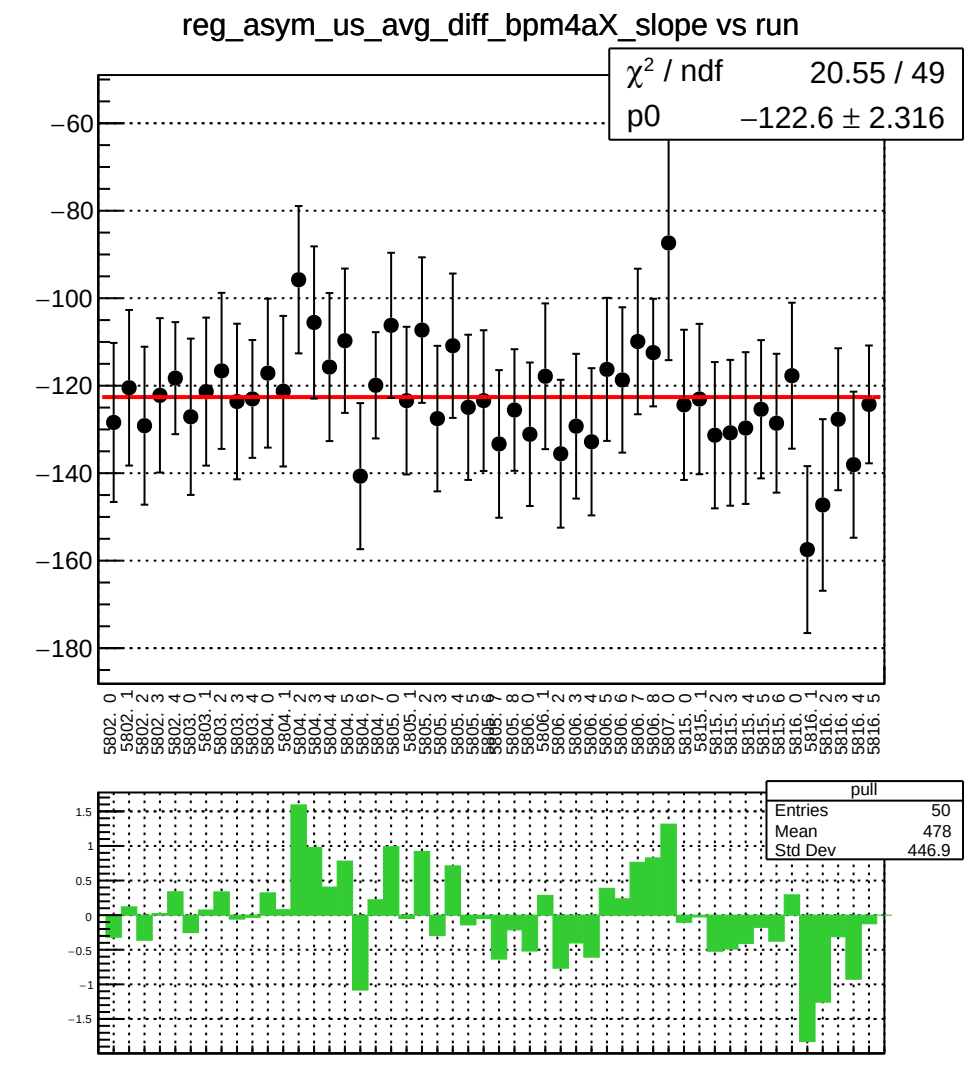

pull1D
Entries 50
Mean −0.01738
Std Dev 1.148

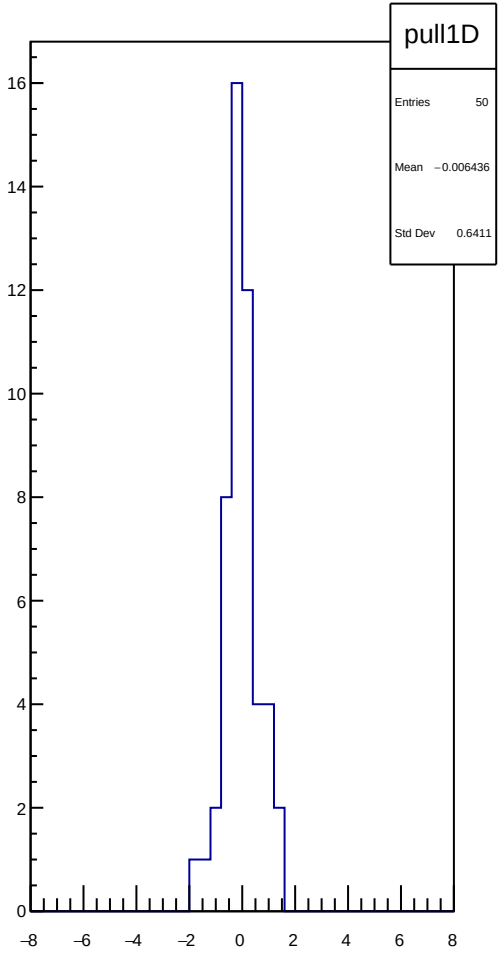

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 58.3 / 49
p0 0.07145 ± 0.2016
pull
Entries 50
Mean −1078
Std Dev 1109

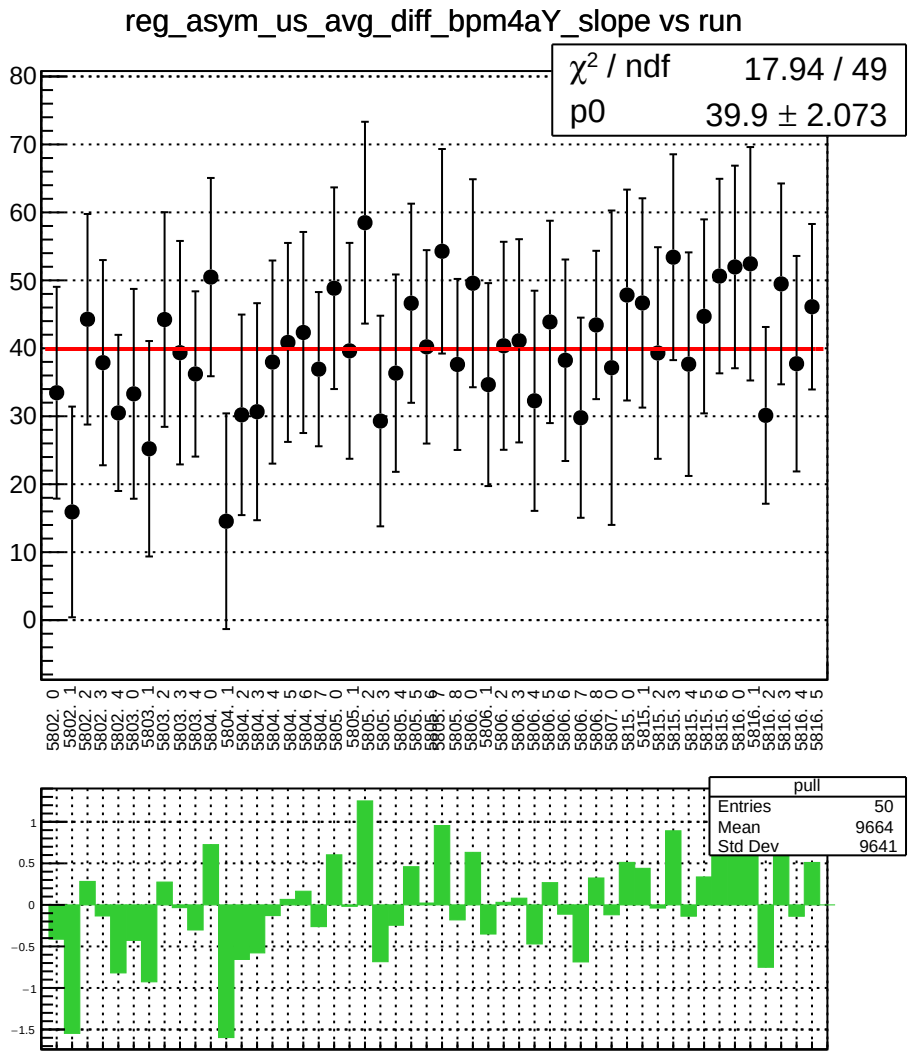

pull1D
Entries 50
Mean −0.0034
Std Dev 1.08

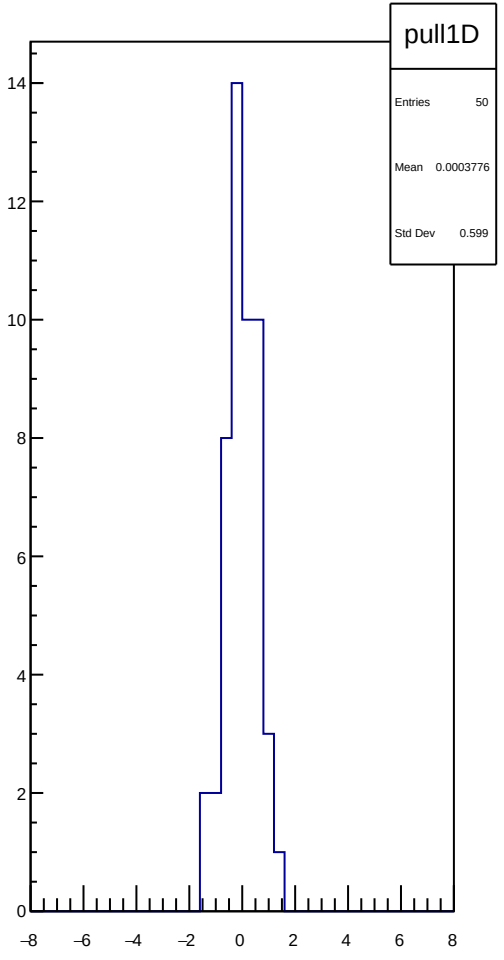

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 62.55 / 49
p0 −0.01849 ± 0.01223
pull
Entries 50
Mean 13.43
Std Dev 21.59

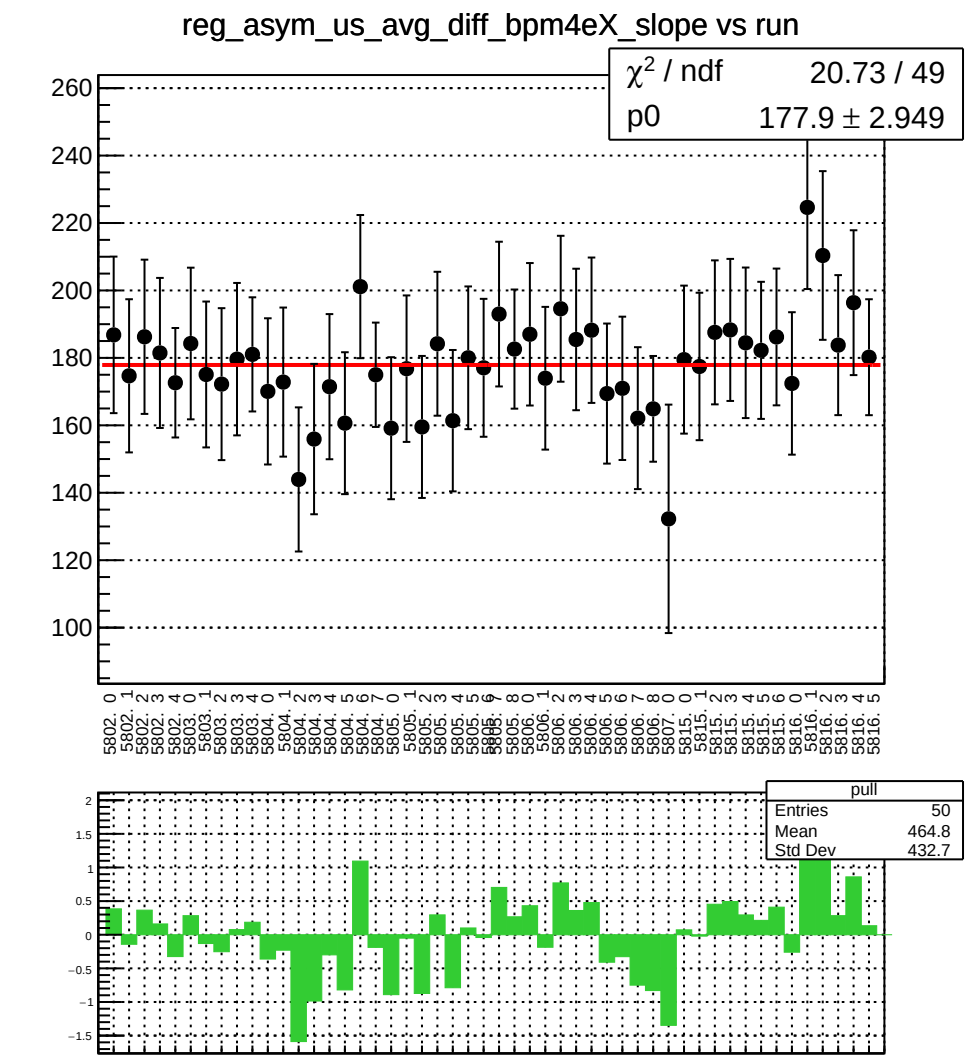

pull1D
Entries 50
Mean 0.02496
Std Dev 1.118

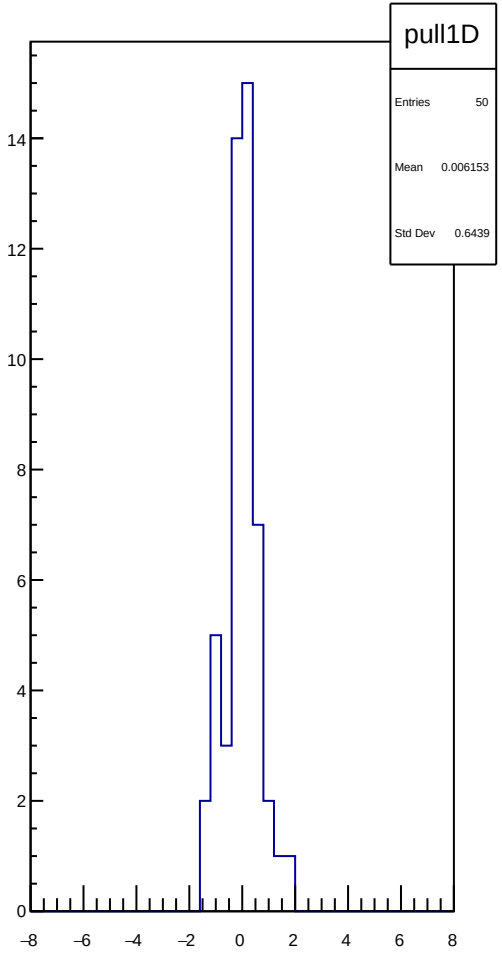

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 20.55 / 49
p0 −122.6 ± 2.316
pull
Entries 50
Mean 478
Std Dev 446.9

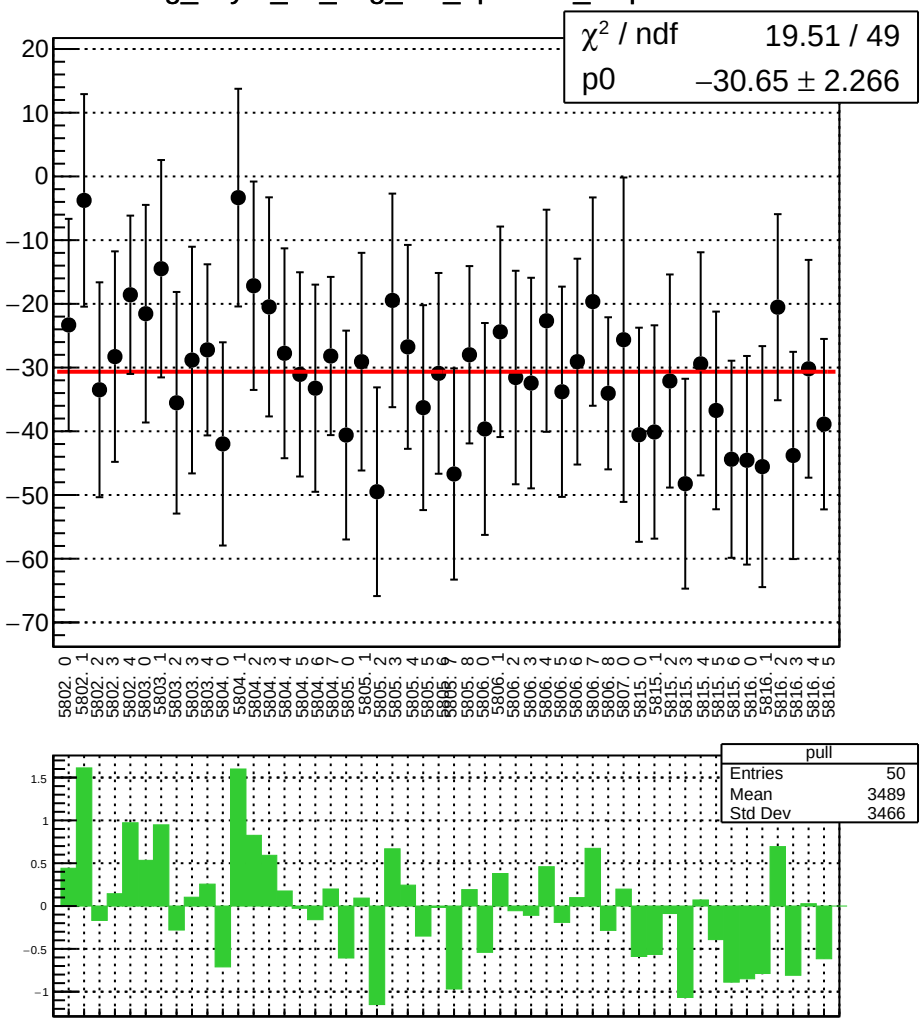

pull1D
Entries 50
Mean −0.006436
Std Dev 0.6411

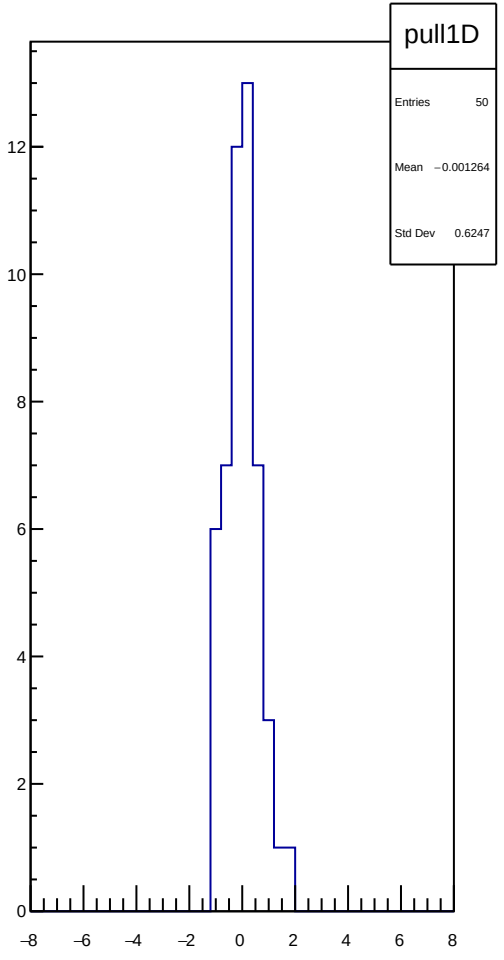

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.94 / 49
p0 39.9 ± 2.073
pull
Entries 50
Mean 9664
Std Dev 9641

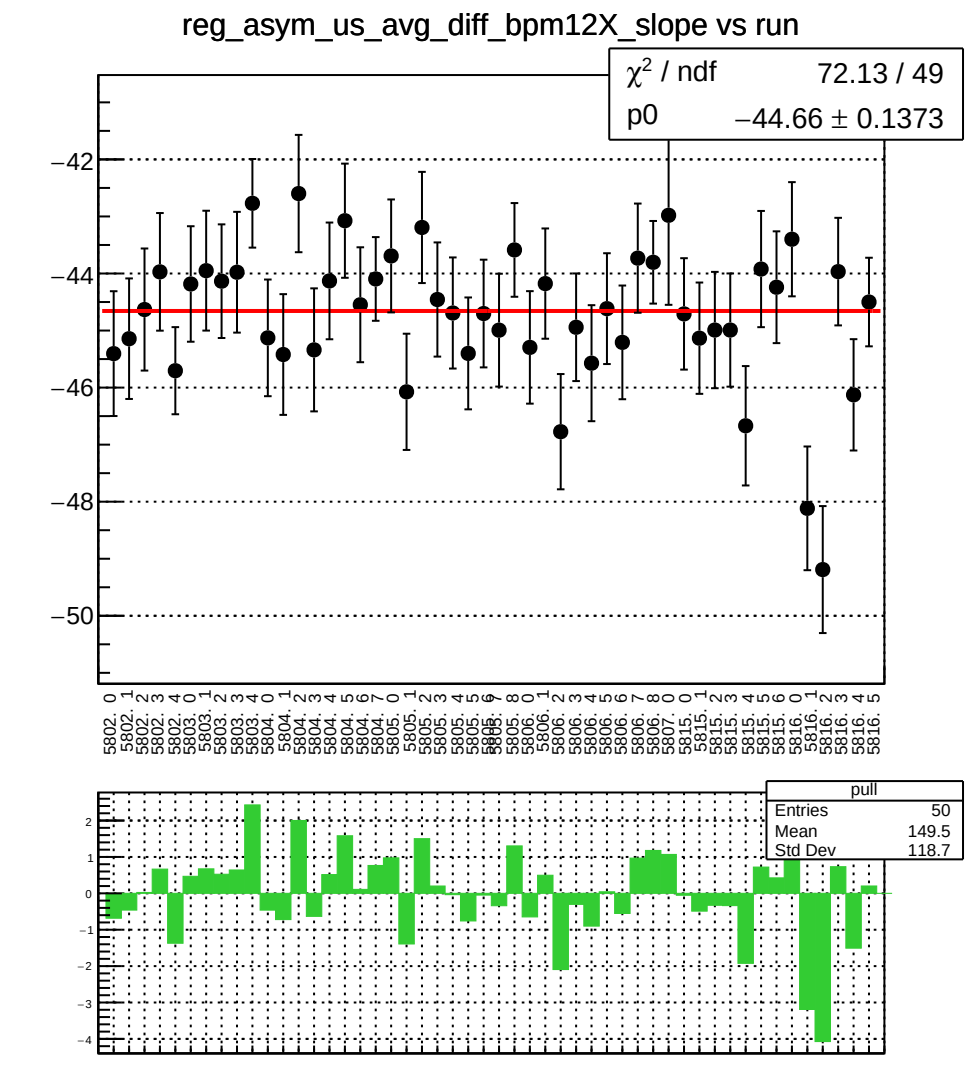

pull1D
Entries 50
Mean 0.0003776
Std Dev 0.599

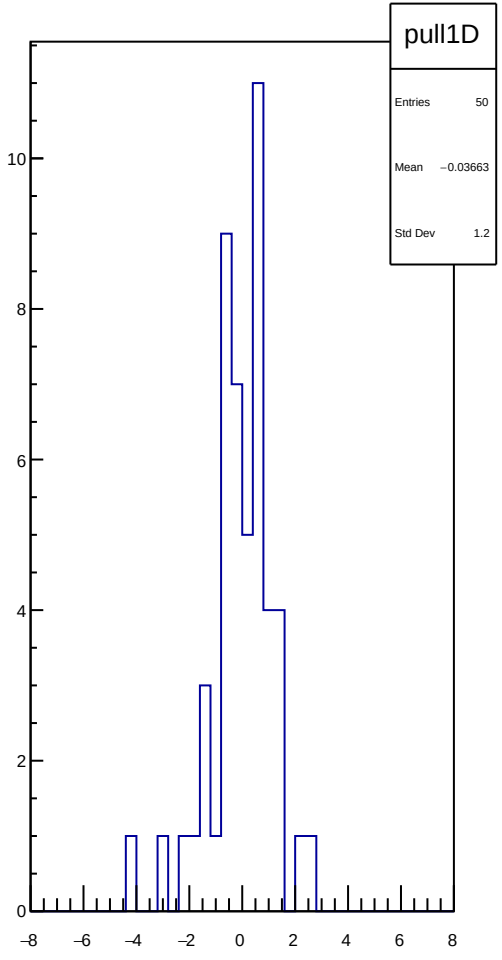

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.73 / 49
p0 177.9 ± 2.949
pull
Entries 50
Mean 464.8
Std Dev 432.7

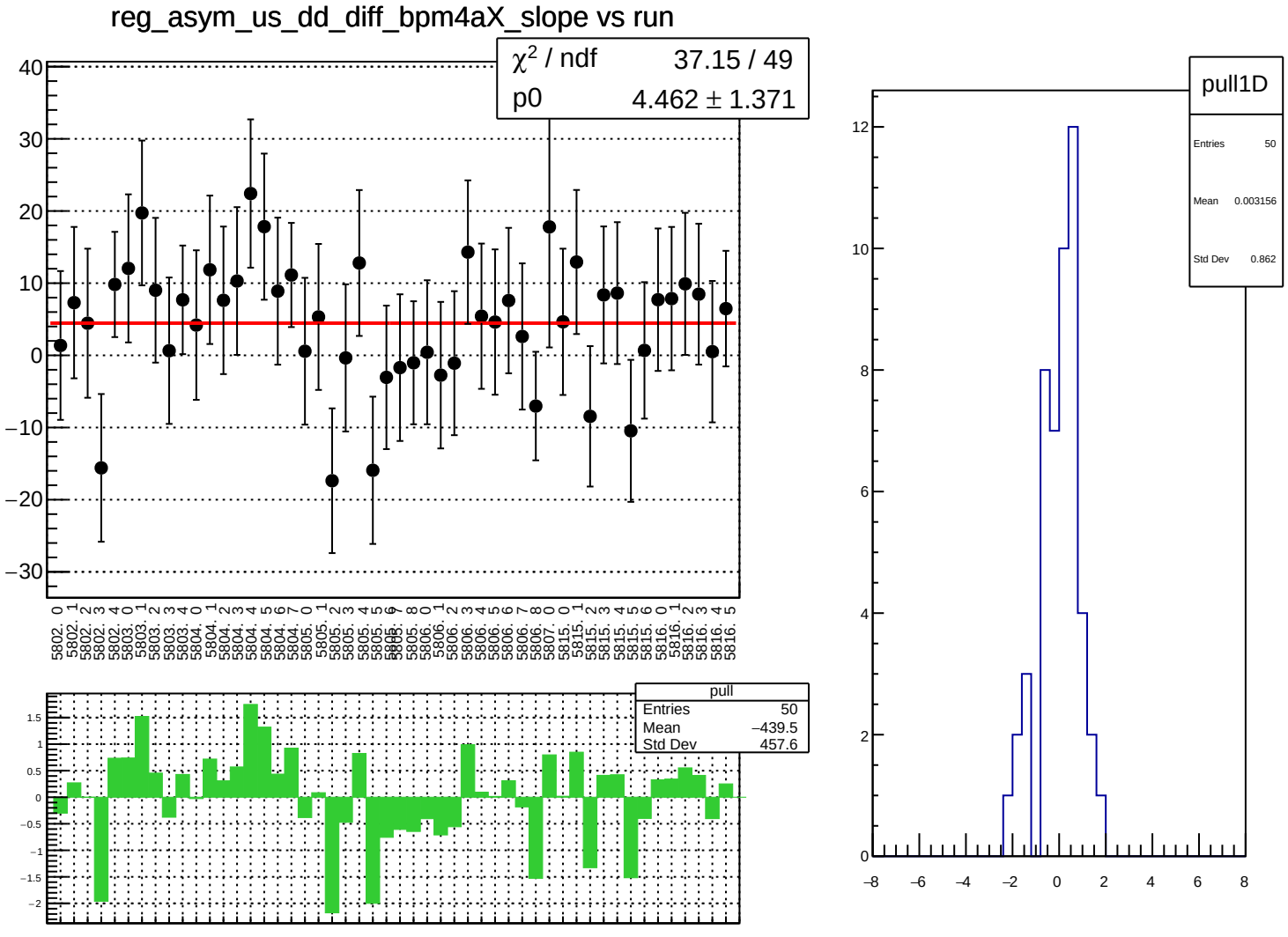

pull1D
Entries 50
Mean 0.006153
Std Dev 0.6439

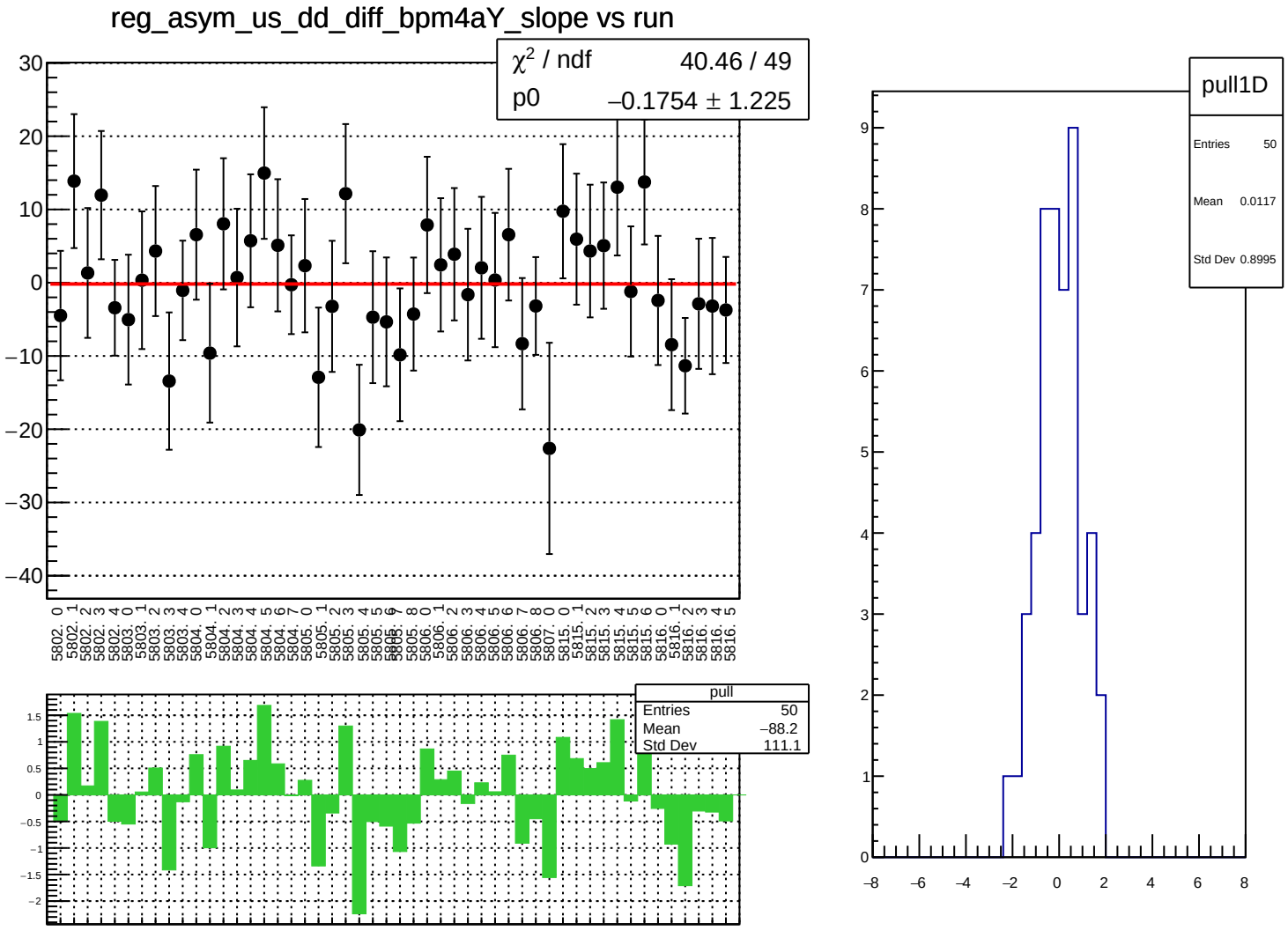

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.51 / 49
p0 −30.65 ± 2.266
pull
Entries 50
Mean 3489
Std Dev 3466

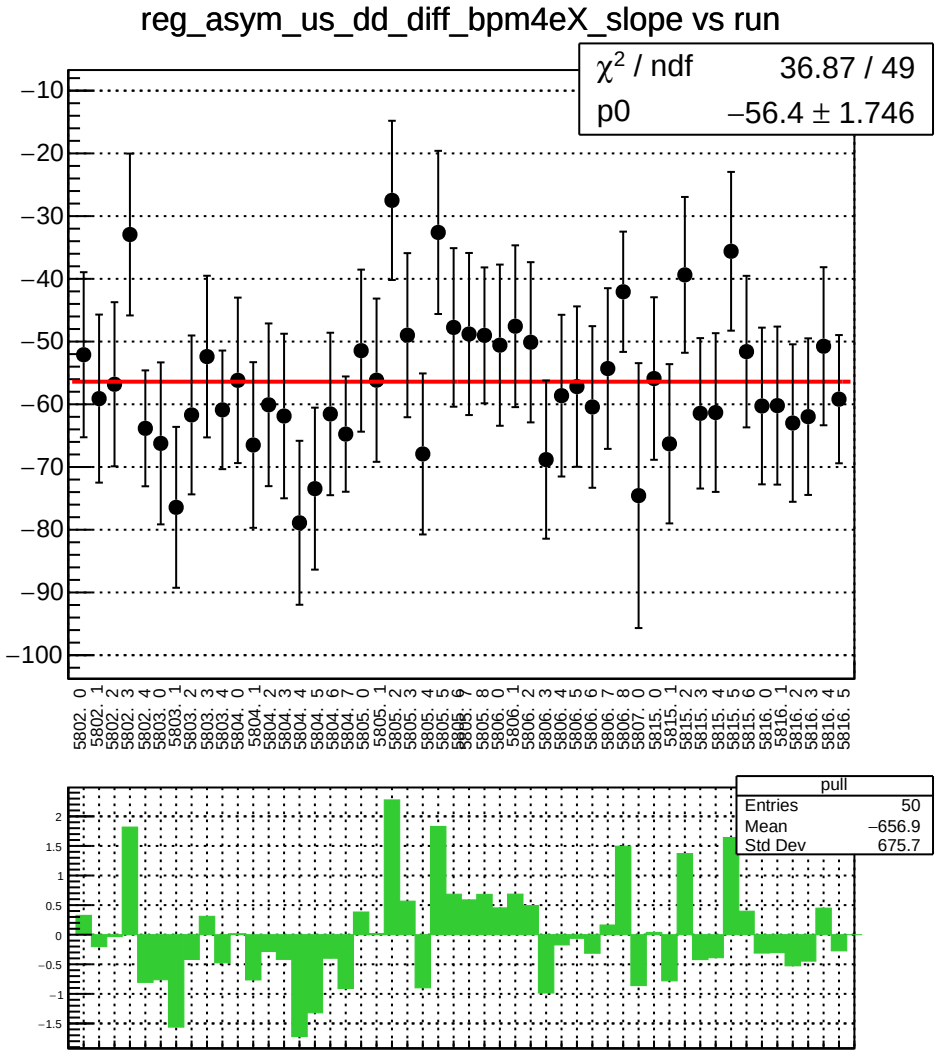

pull1D
Entries 50
Mean −0.001264
Std Dev 0.6247

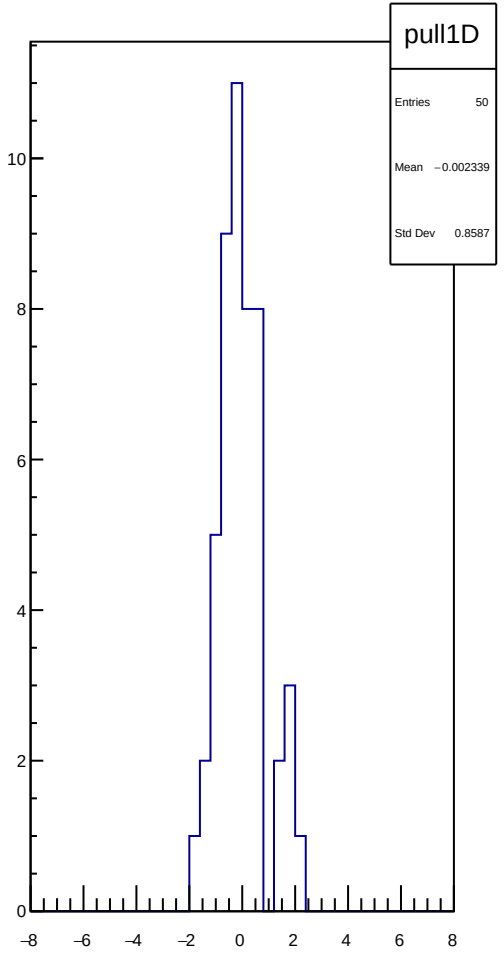

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 72.13 / 49
p0 −44.66 ± 0.1373
−42
−44
−46
−48
−50
pull
Entries 50
Mean 149.5
Std Dev 118.7

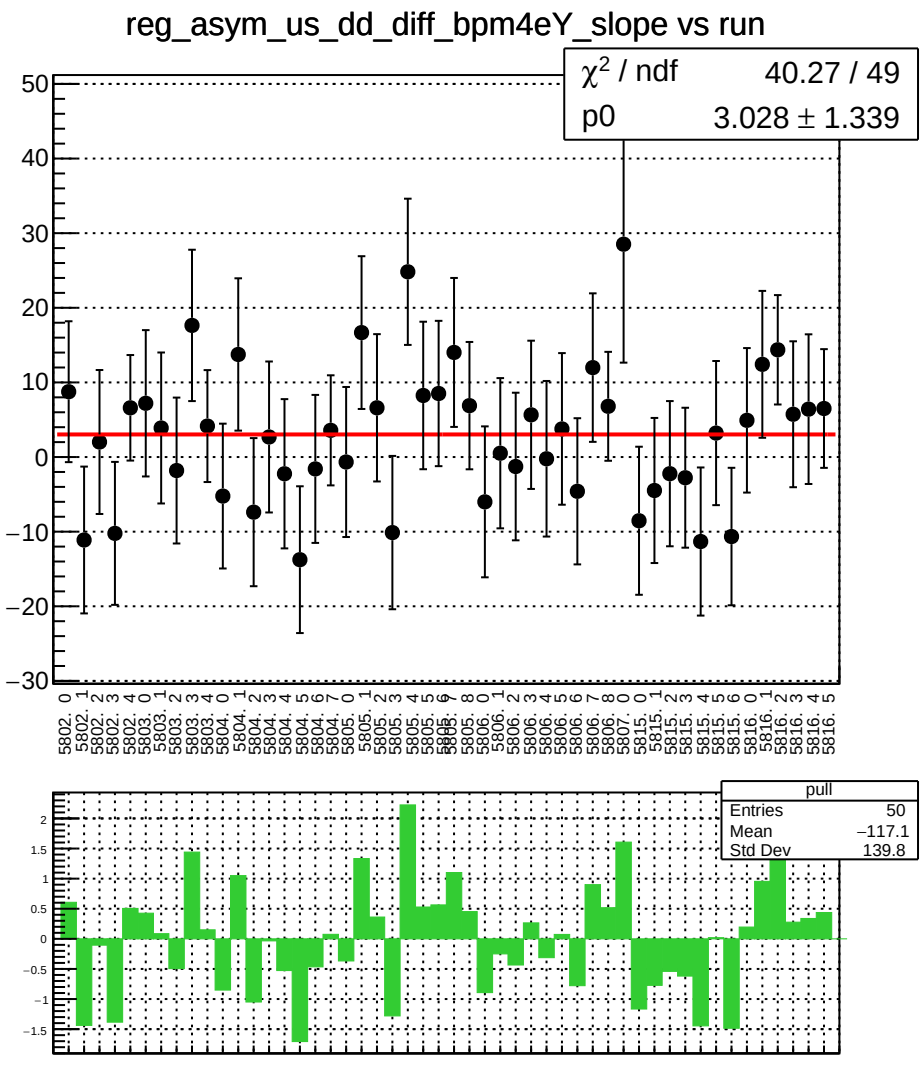

pull1D
Entries 50
Mean −0.03663
Std Dev 1.2

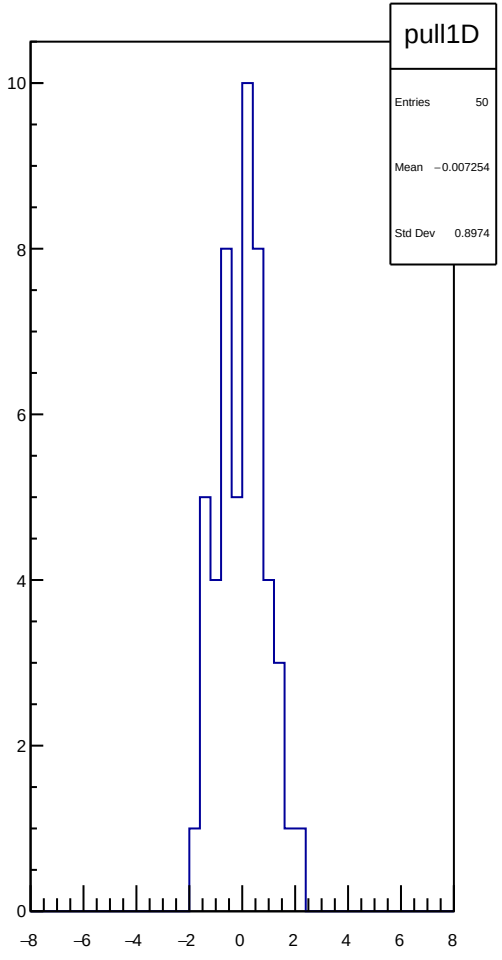

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.15 / 49
p0 4.462 ± 1.371
pull
Entries 50
Mean −439.5
Std Dev 457.6
pull1D
Entries 50
Mean 0.003156
Std Dev 0.862

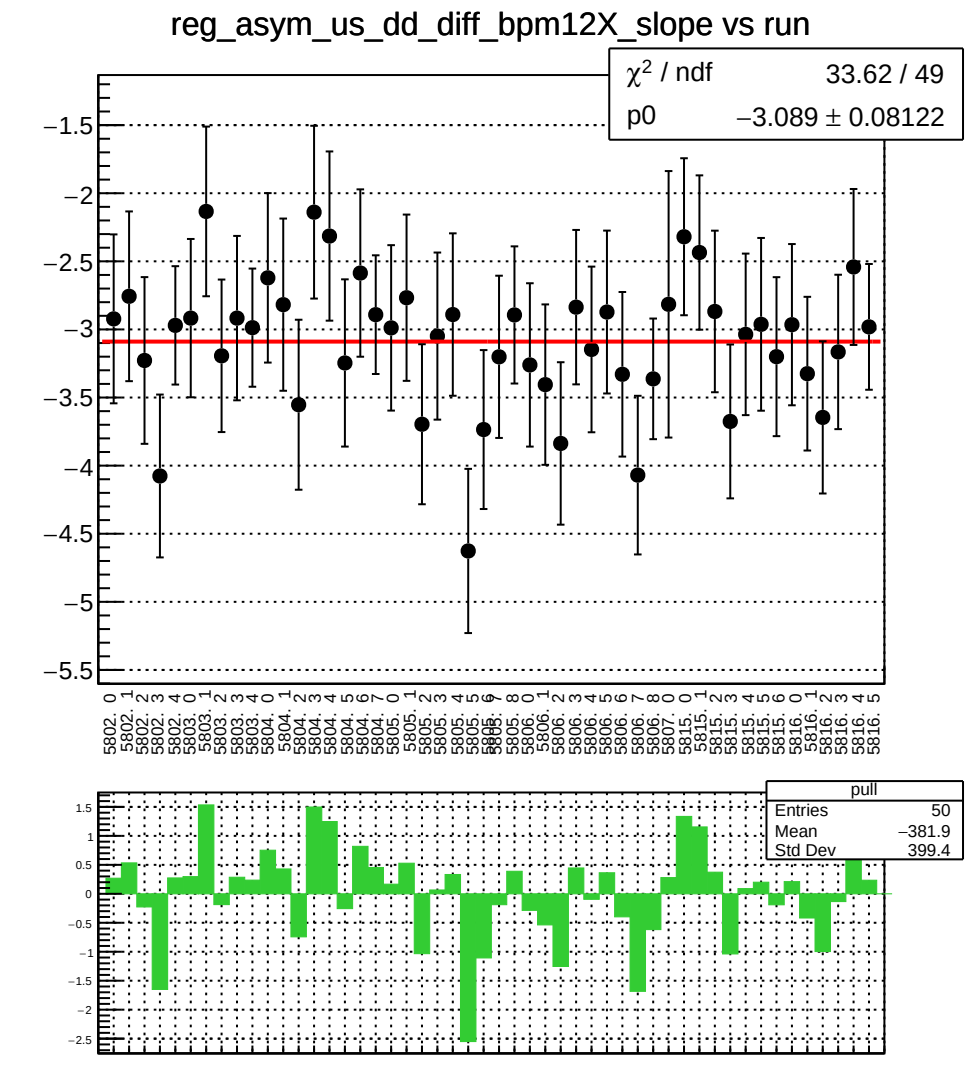

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.46 / 49
p0 −0.1754 ± 1.225
pull
Entries 50
Mean −88.2
Std Dev 111.1
pull1D
Entries 50
Mean 0.0117
Std Dev 0.8995

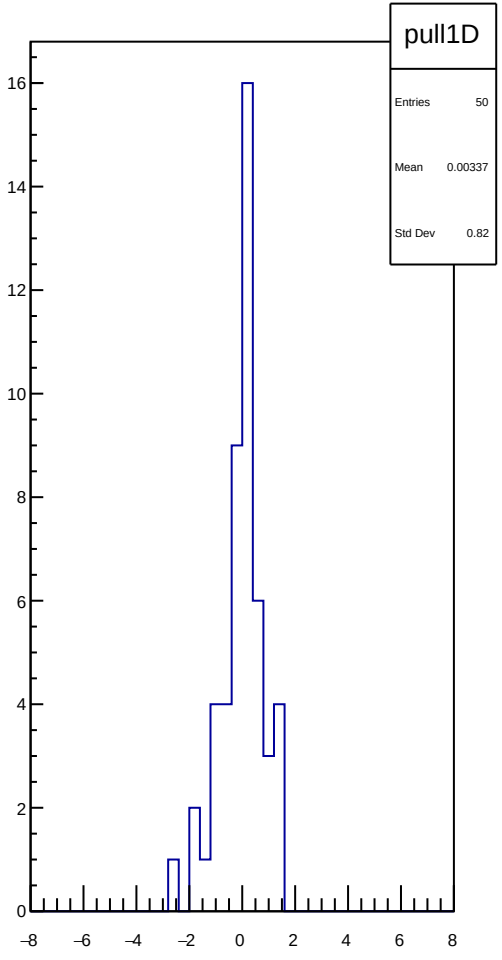

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.87 / 49
p0 −56.4 ± 1.746
pull
Entries 50
Mean −656.9
Std Dev 675.7

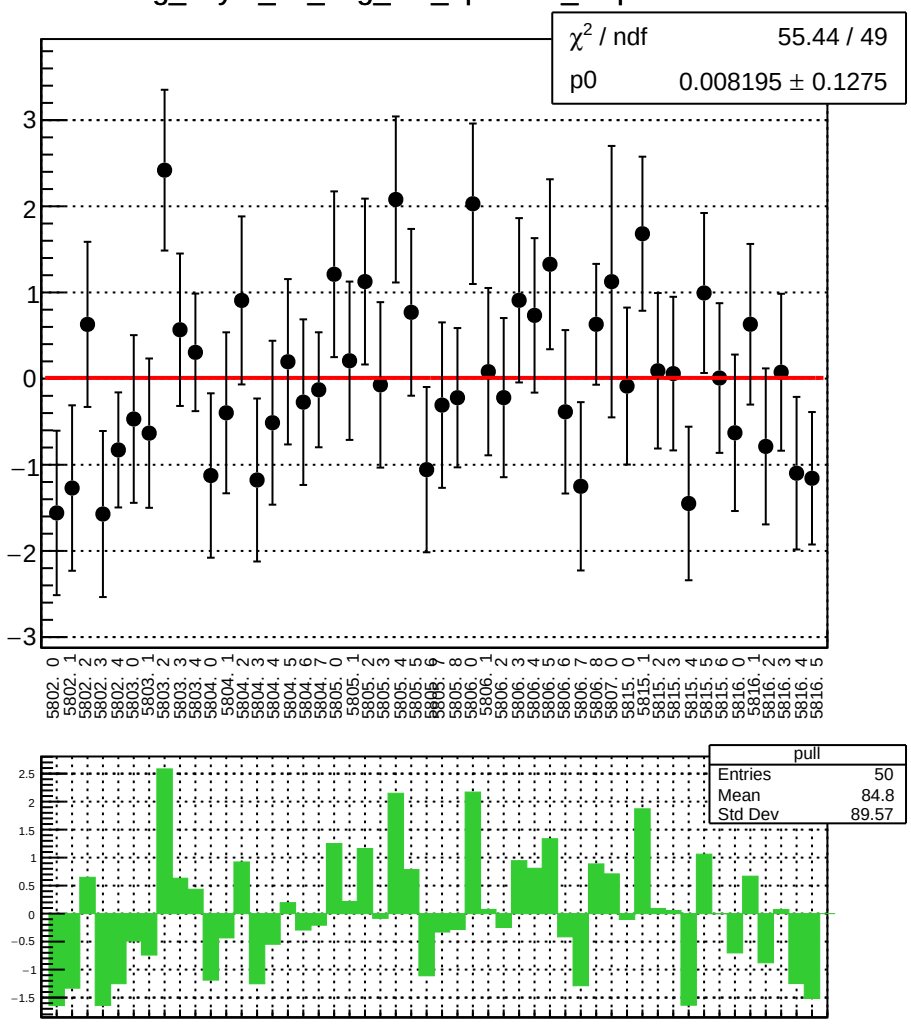

pull1D
Entries 50
Mean −0.002339
Std Dev 0.8587

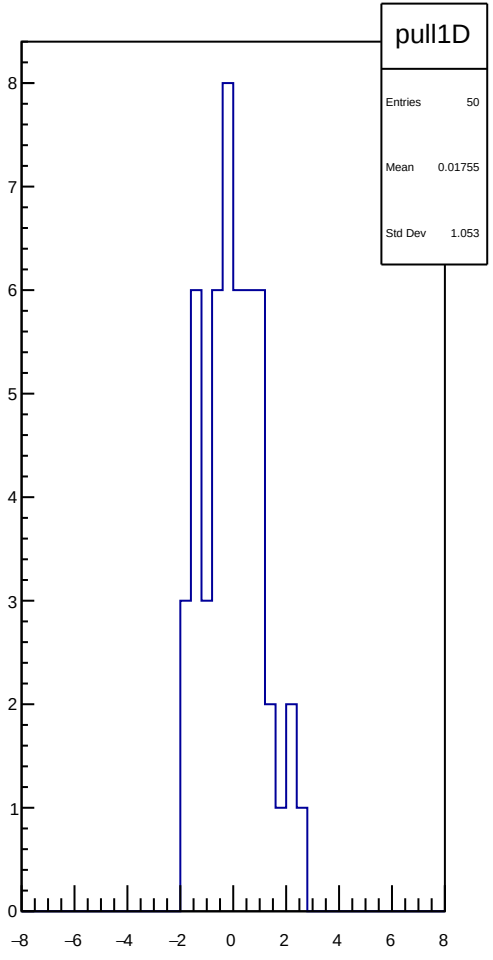

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.27 / 49
p0 3.028 ± 1.339
pull
Entries 50
Mean −117.1
Std Dev 139.8

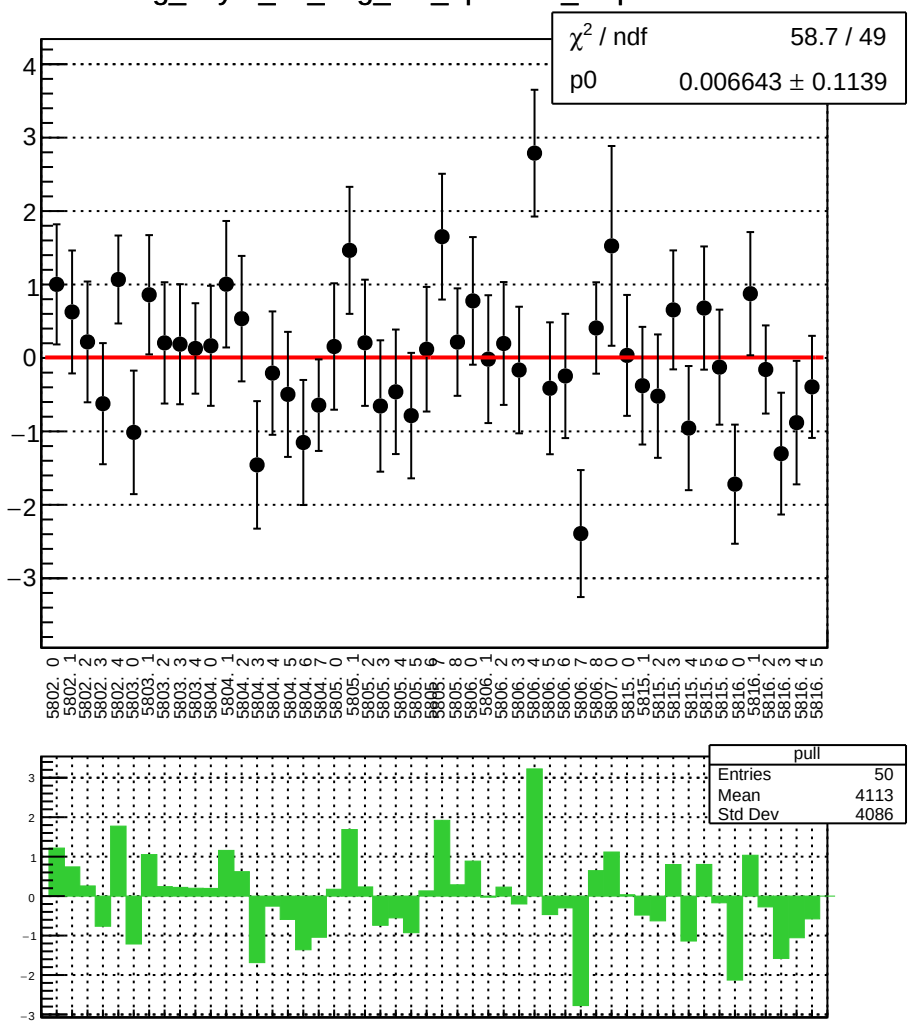

pull1D
Entries 50
Mean −0.007254
Std Dev 0.8974

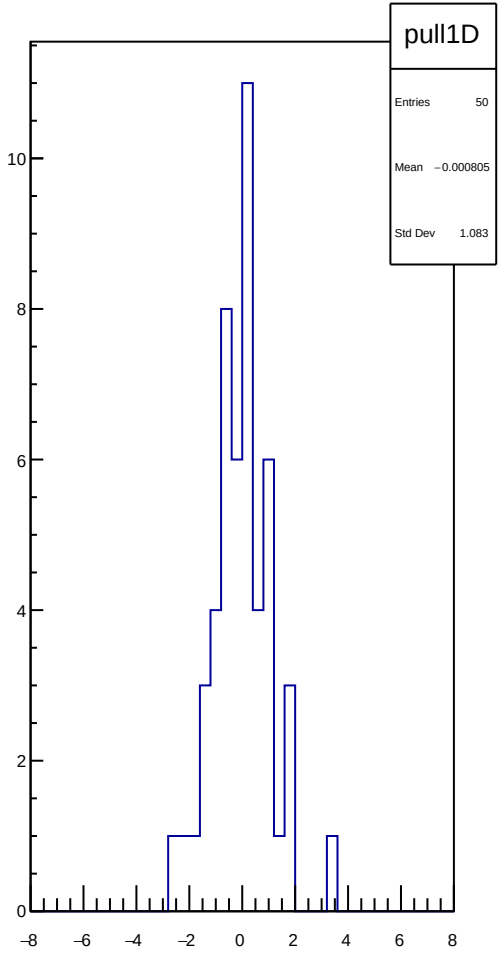

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 33.62 / 49
p0 −3.089 ± 0.08122
pull
Entries 50
Mean −381.9
Std Dev 399.4

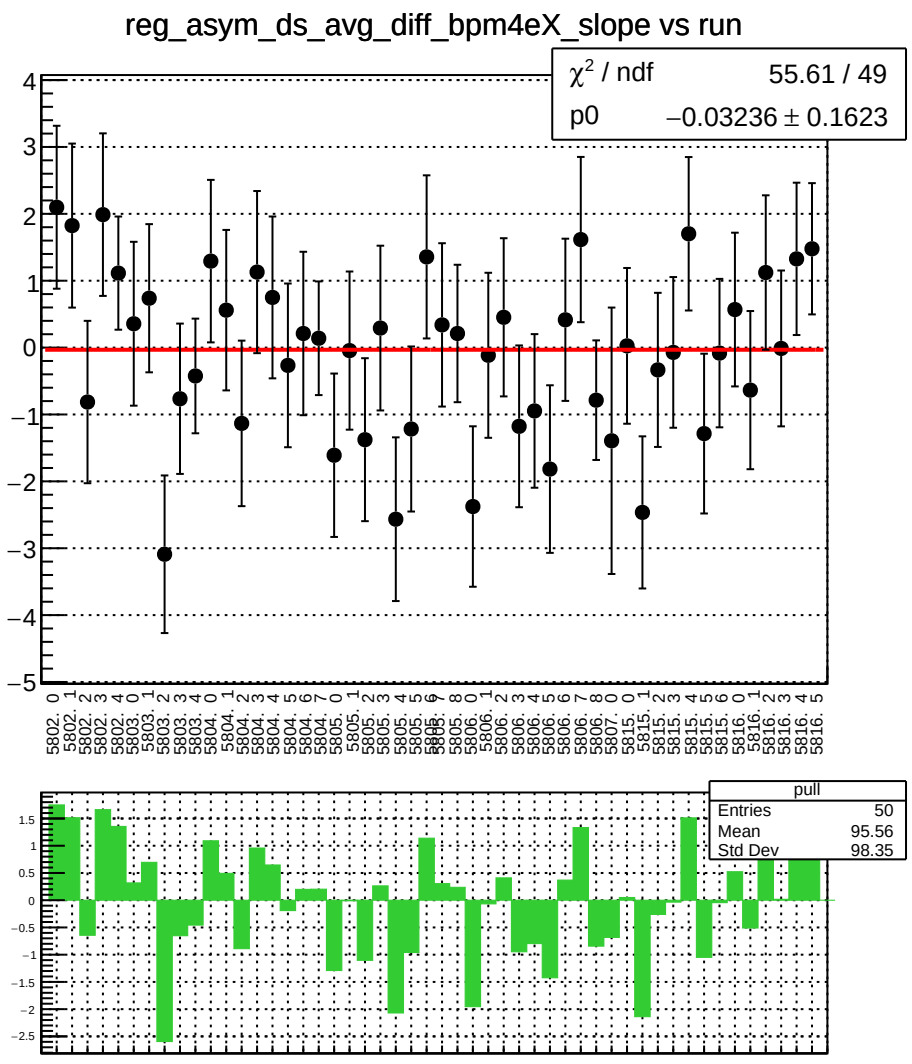

pull1D
Entries 50
Mean 0.00337
Std Dev 0.82

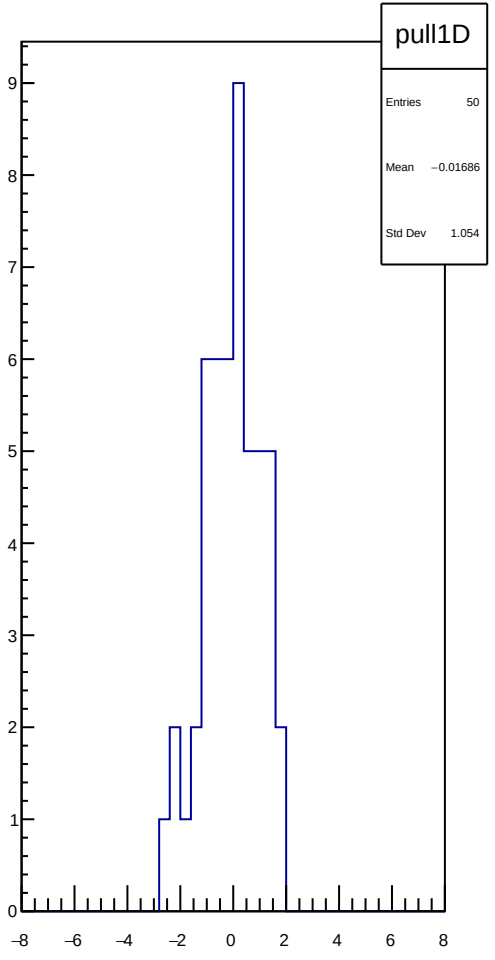

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 55.44 / 49
p0 0.008195 ± 0.1275
pull
Entries 50
Mean 84.8
Std Dev 89.57

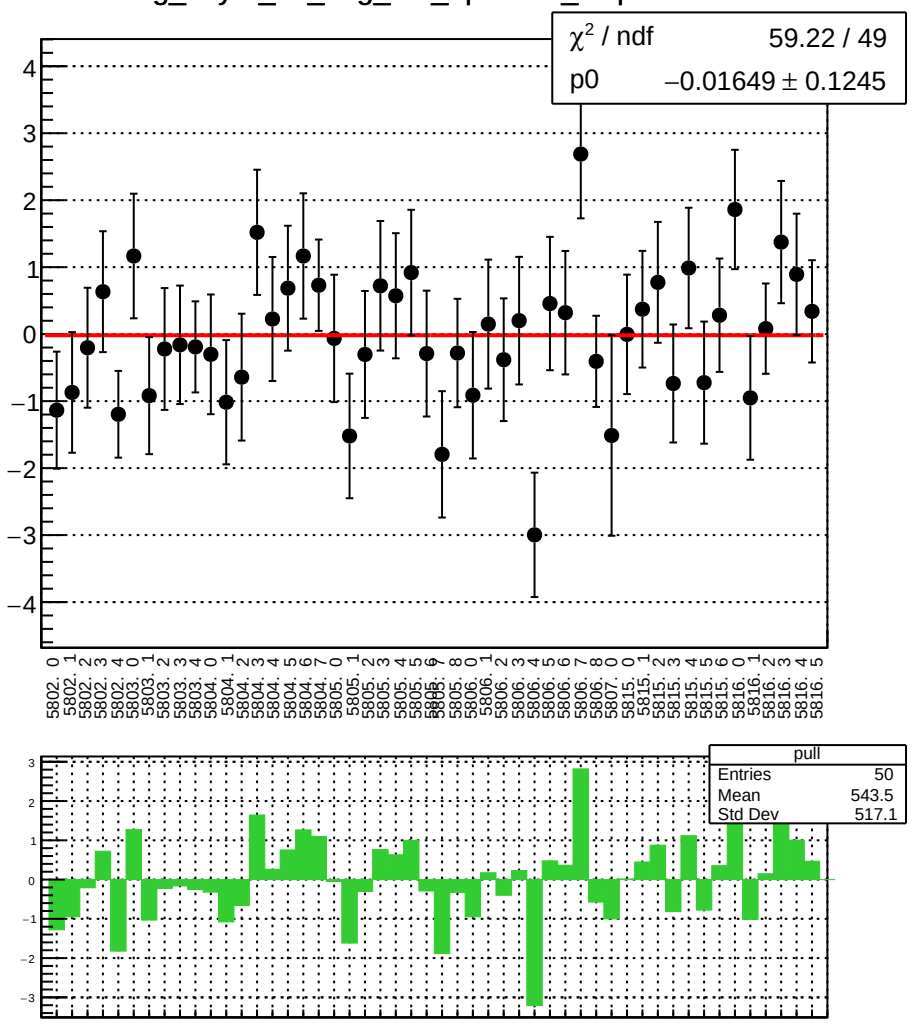

pull1D
Entries 50
Mean 0.01755
Std Dev 1.053

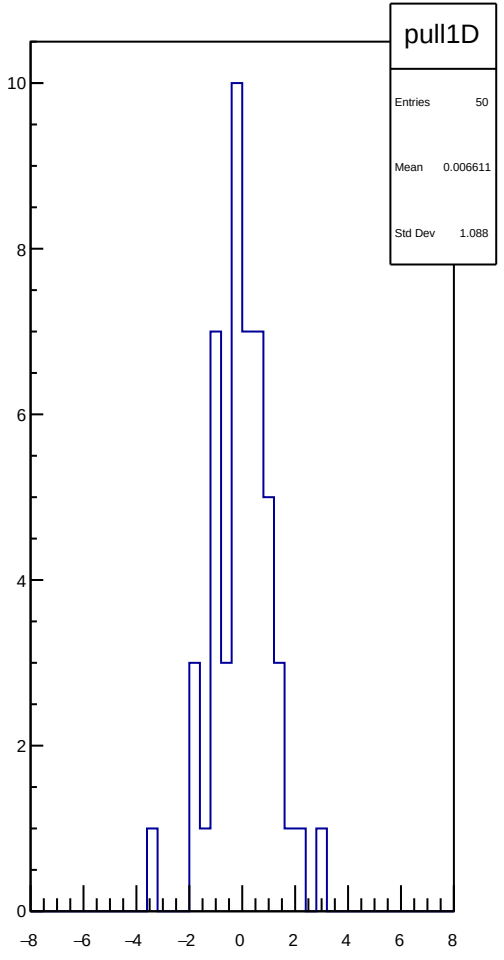

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.7 / 49
p0 0.006643 ± 0.1139
pull
Entries 50
Mean 4113
Std Dev 4086

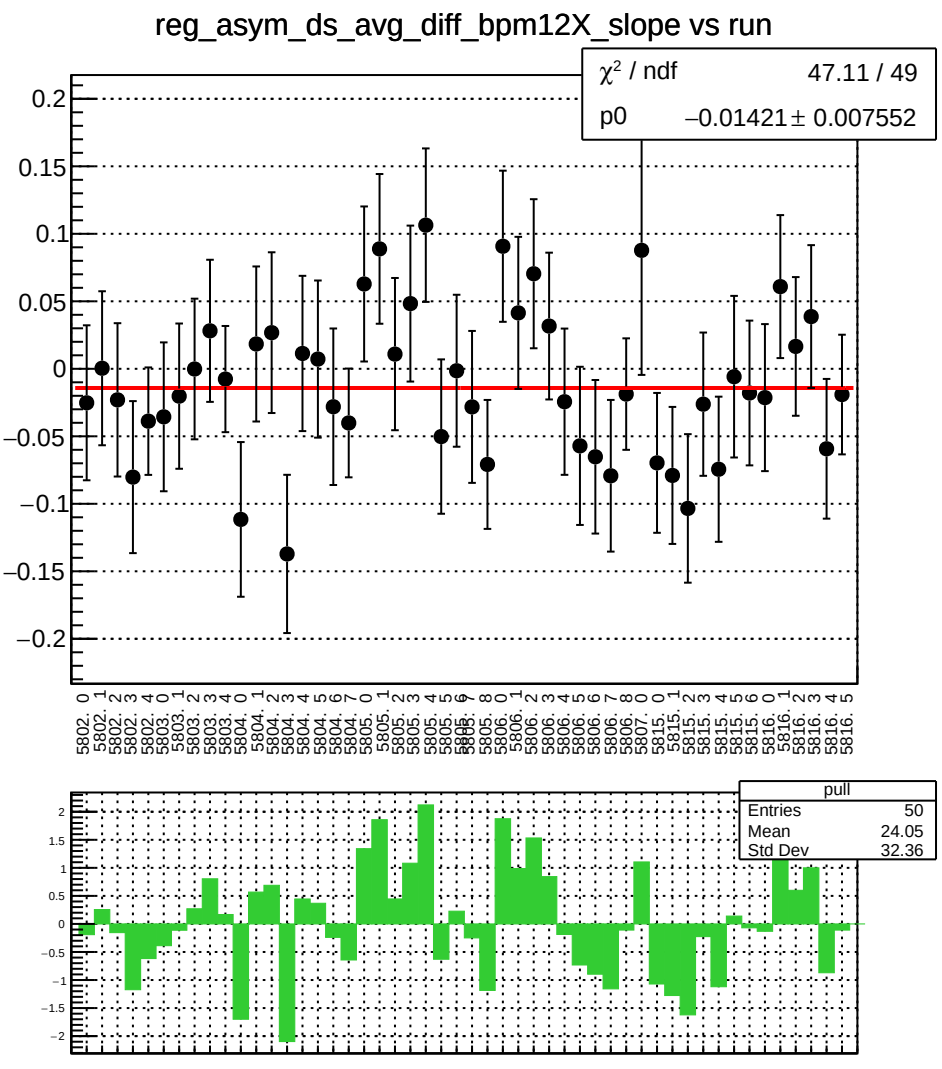

pull1D
Entries 50
Mean −0.000805
Std Dev 1.083

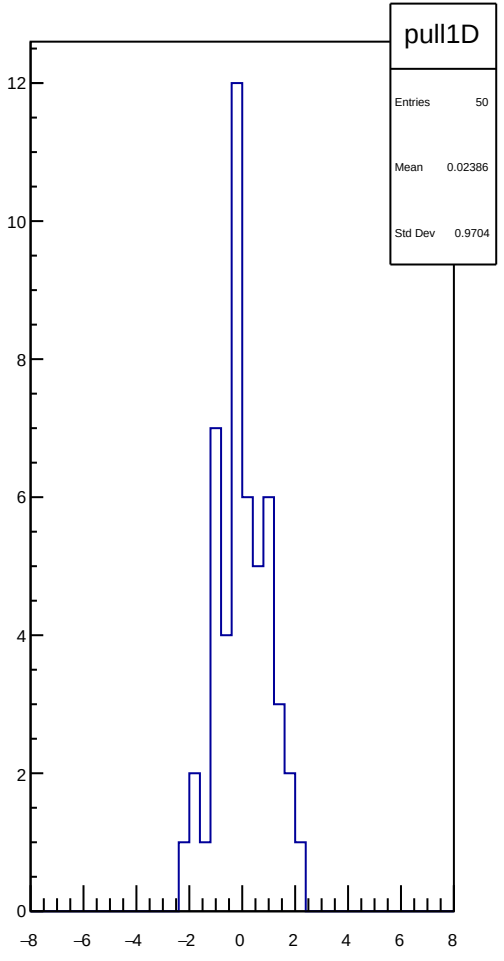

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.61 / 49
p0 −0.03236 ± 0.1623
pull
Entries 50
Mean 95.56
Std Dev 98.35

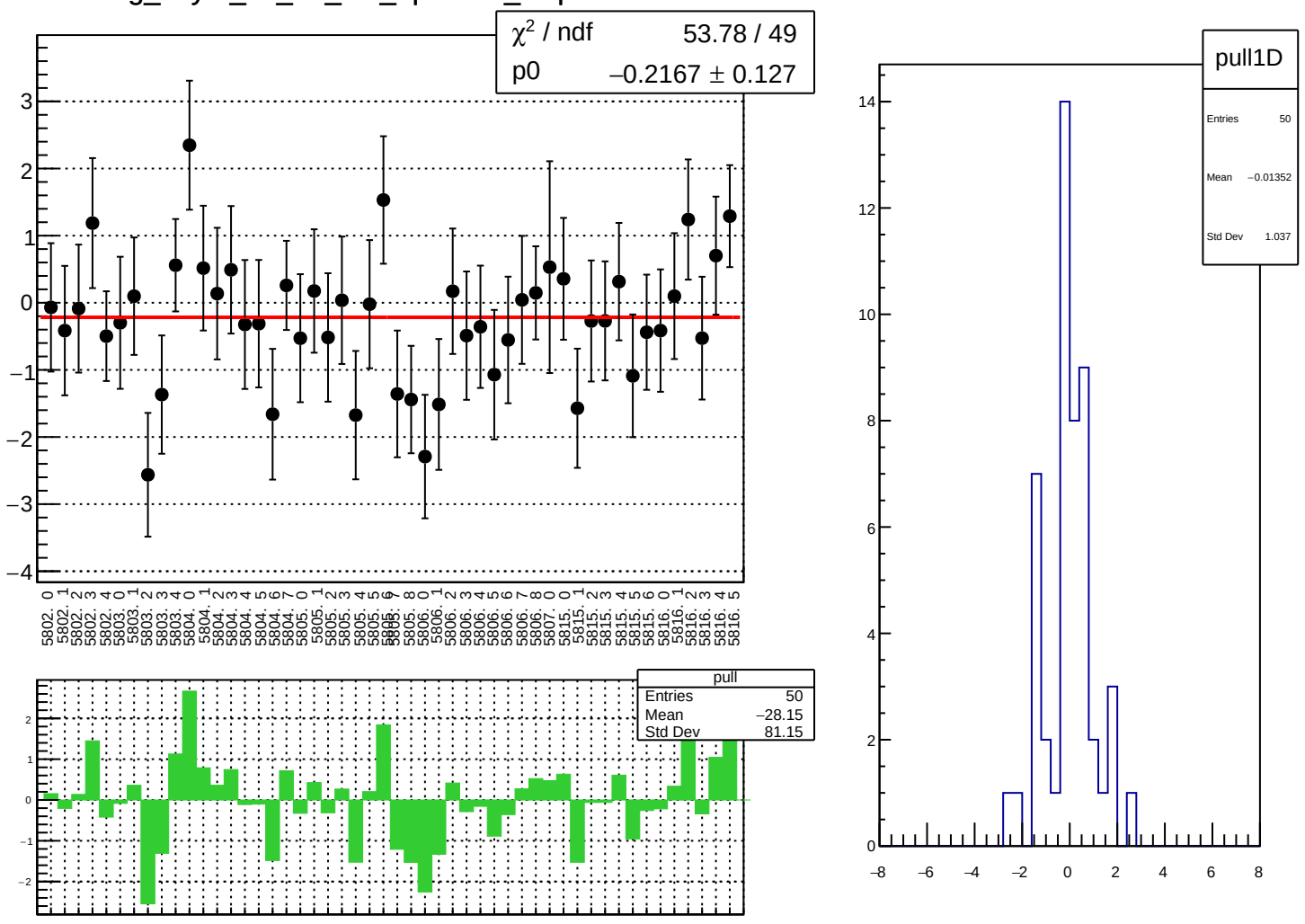

pull1D
Entries 50
Mean −0.01686
Std Dev 1.054

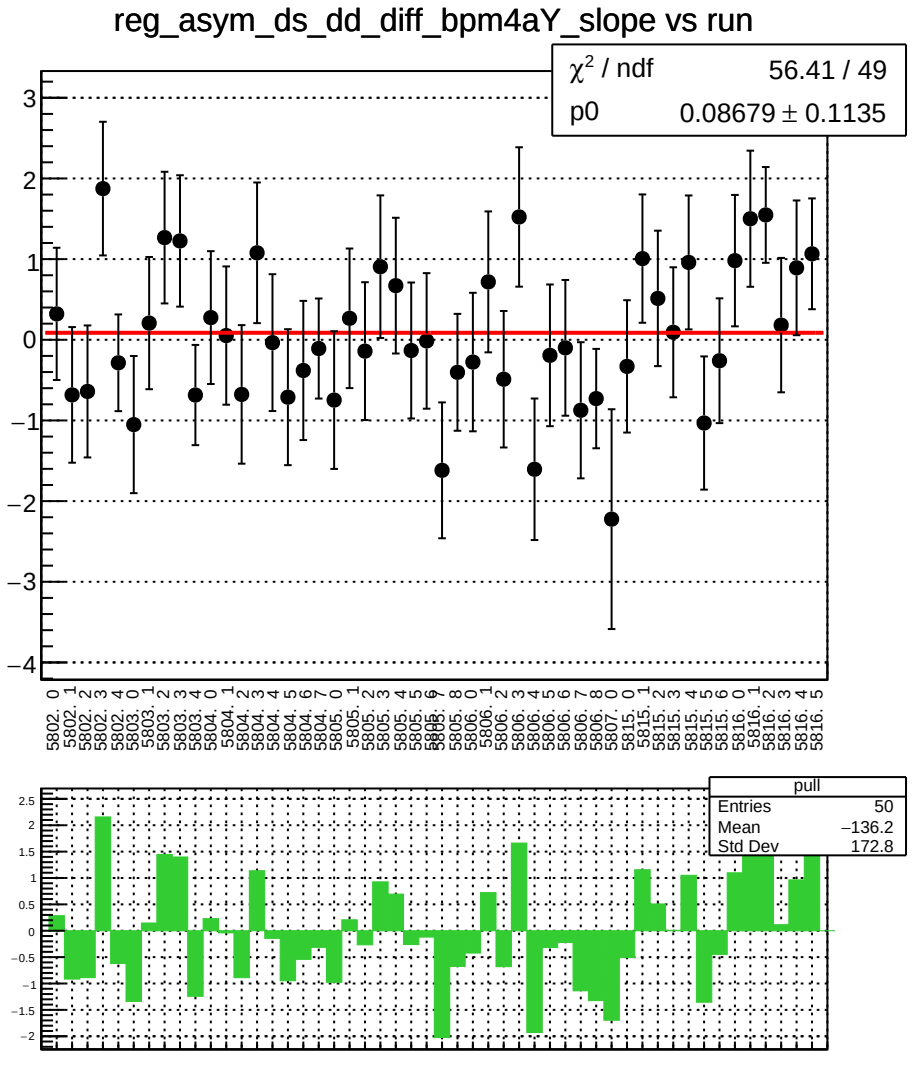

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.22 / 49
p0 −0.01649 ± 0.1245
pull
Entries 50
Mean 543.5
Std Dev 517.1

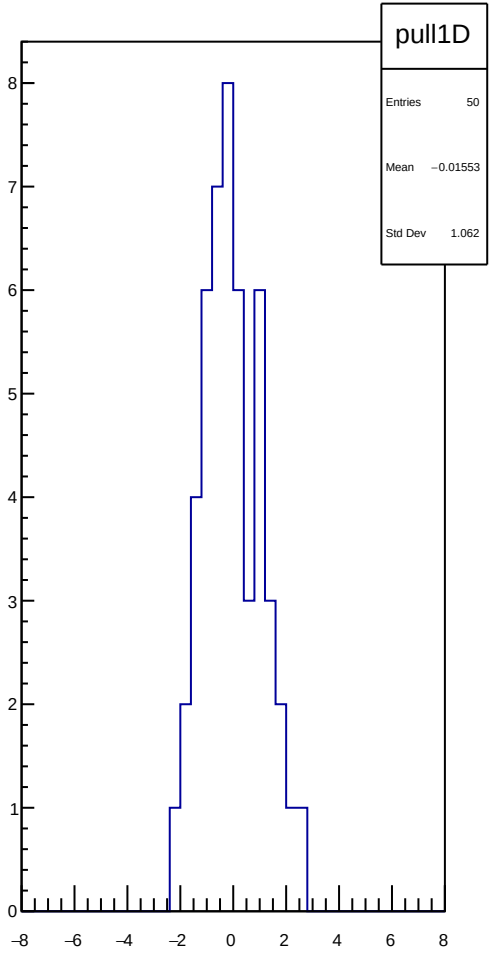

pull1D
Entries 50
Mean 0.006611
Std Dev 1.088

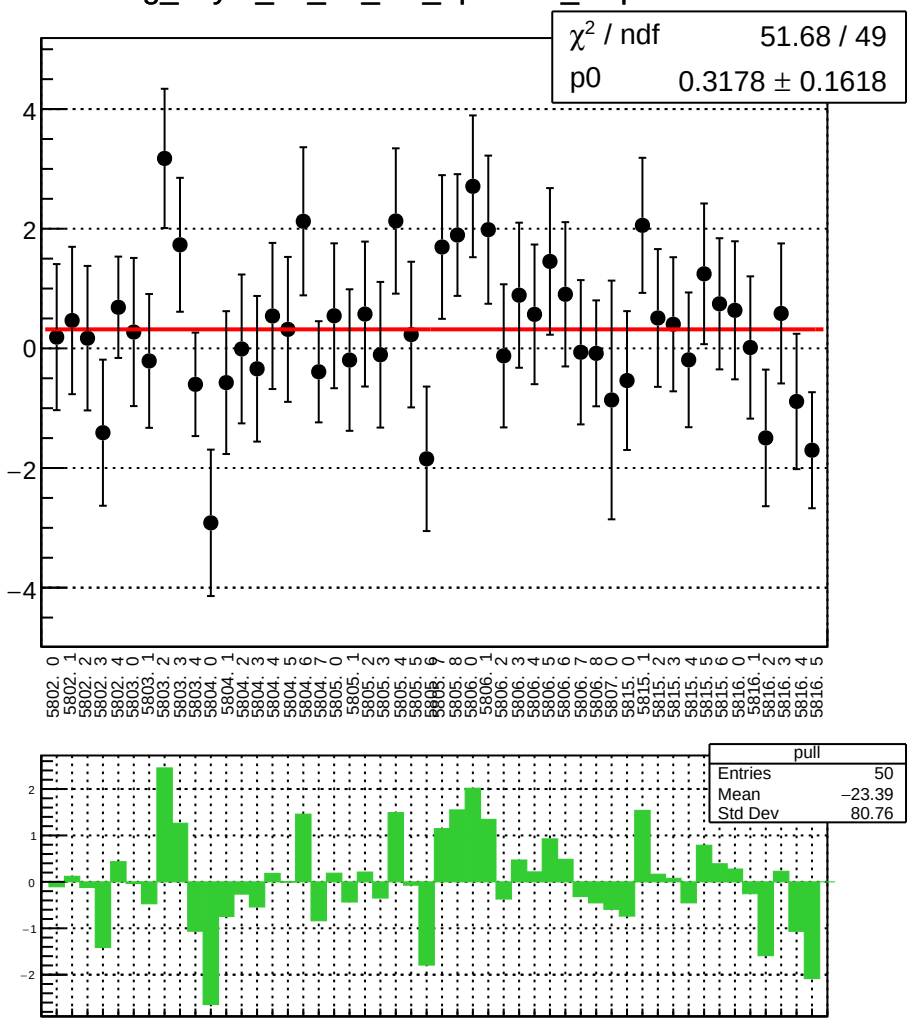

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 47.11 / 49
p0 −0.01421 ± 0.007552
pull
Entries 50
Mean 24.05
Std Dev 32.36

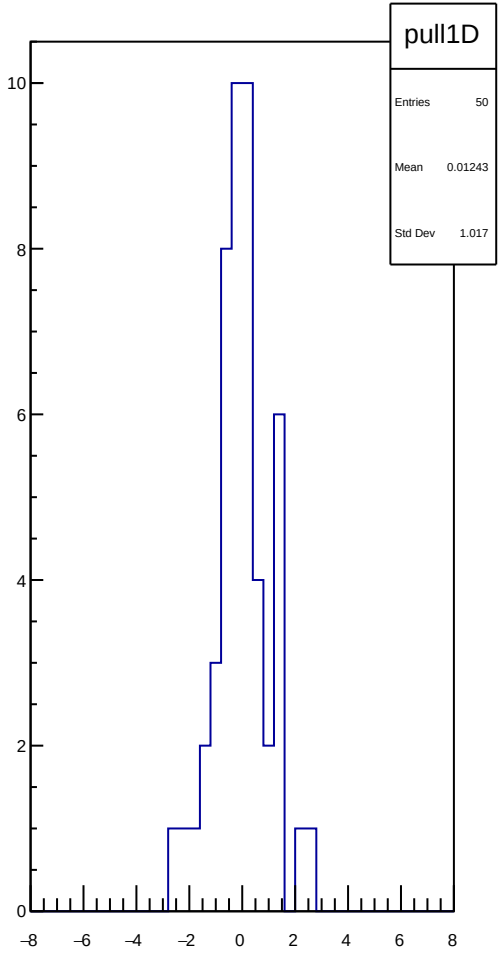

pull1D
Entries 50
Mean 0.02386
Std Dev 0.9704

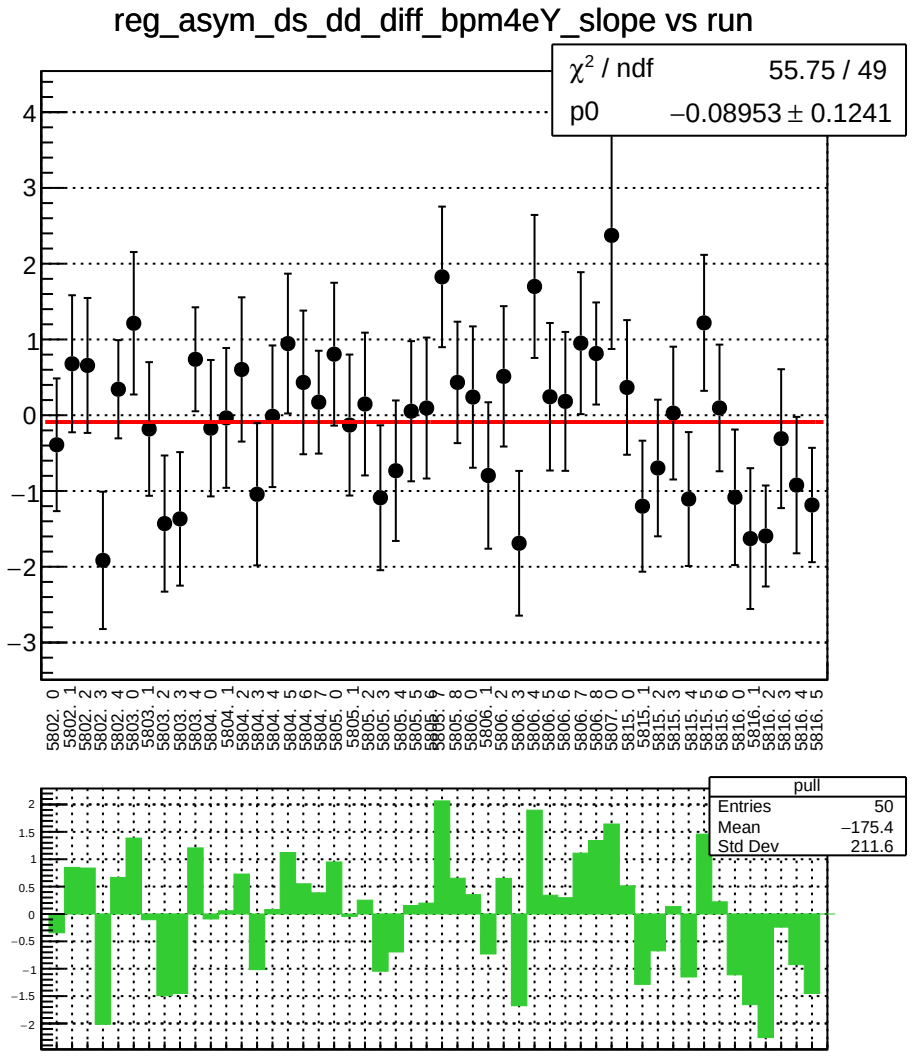

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 53.78 / 49
p0 −0.2167 ± 0.127
pull
Entries 50
Mean −28.15
Std Dev 81.15
pull1D
Entries 50
Mean −0.01352
Std Dev 1.037

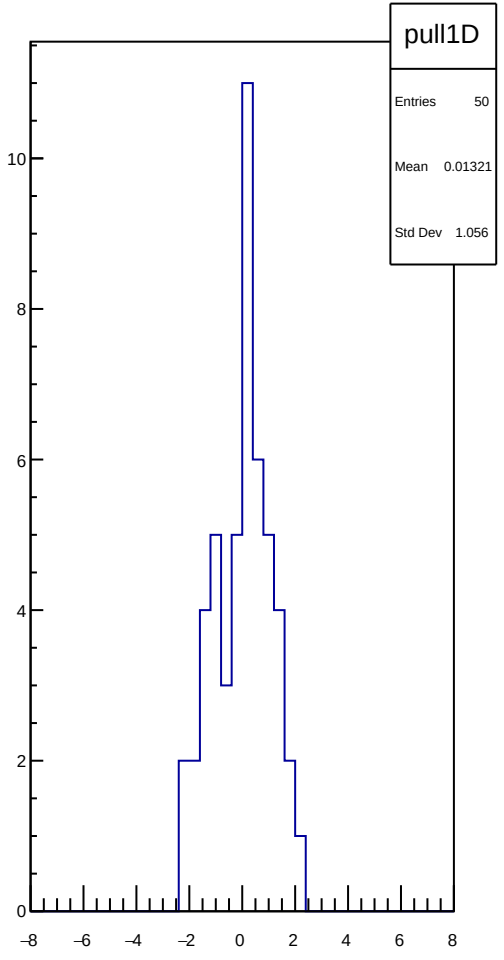

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.41 / 49
p0 0.08679 ± 0.1135
pull
Entries 50
Mean −136.2
Std Dev 172.8

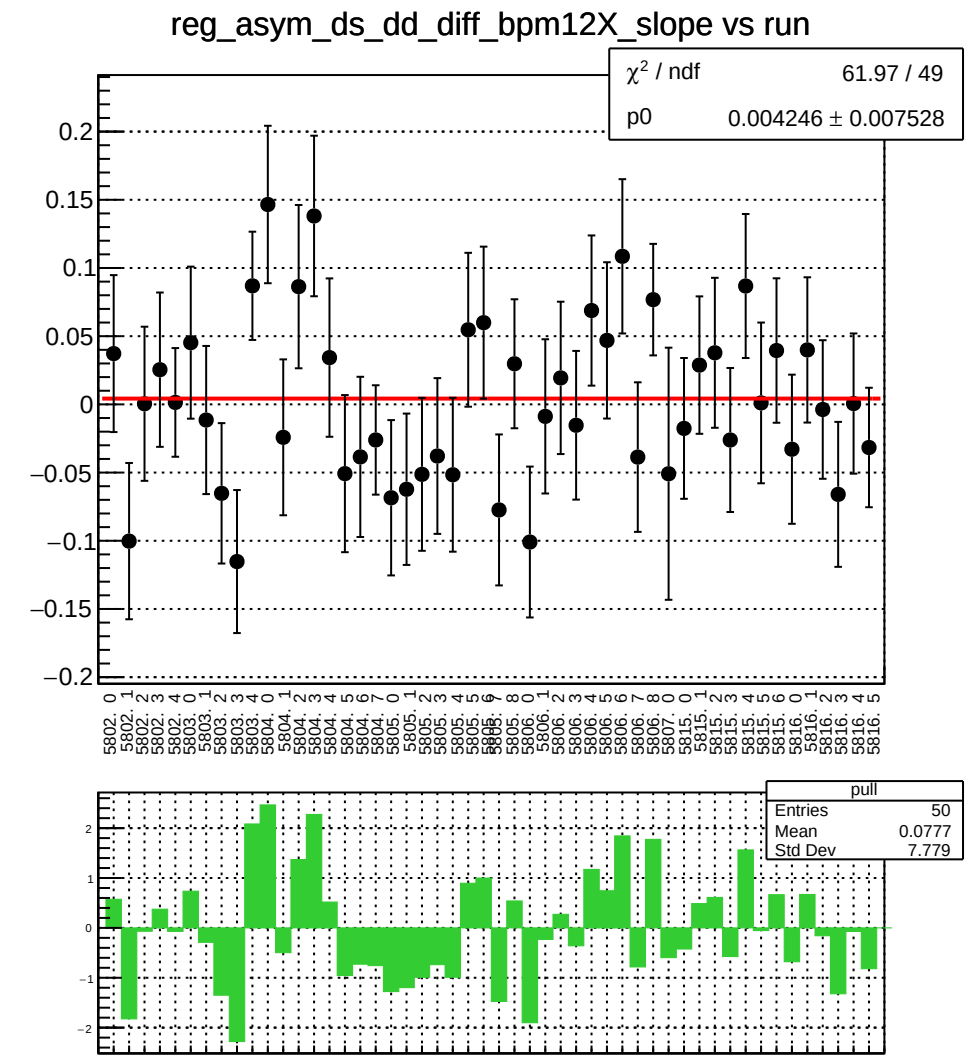

pull1D
Entries 50
Mean −0.01553
Std Dev 1.062

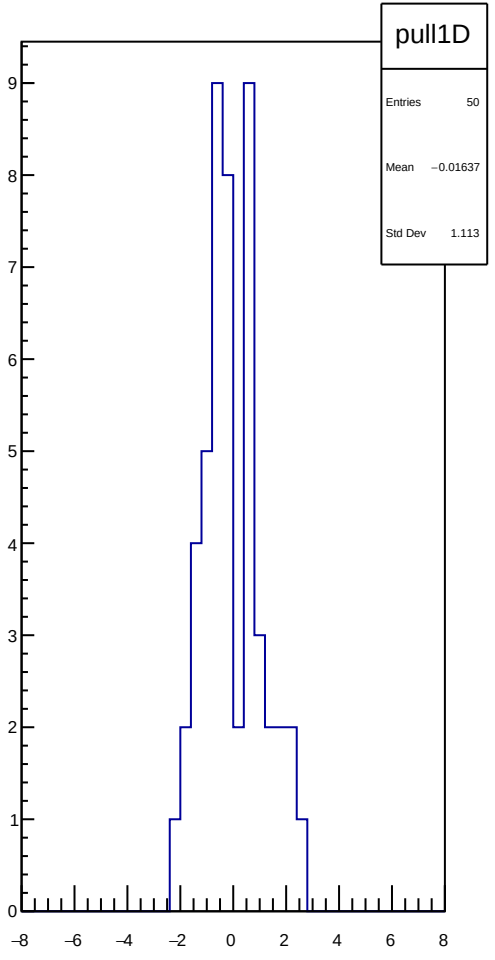

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.68 / 49
p0 0.3178 ± 0.1618
pull
Entries 50
Mean −23.39
Std Dev 80.76

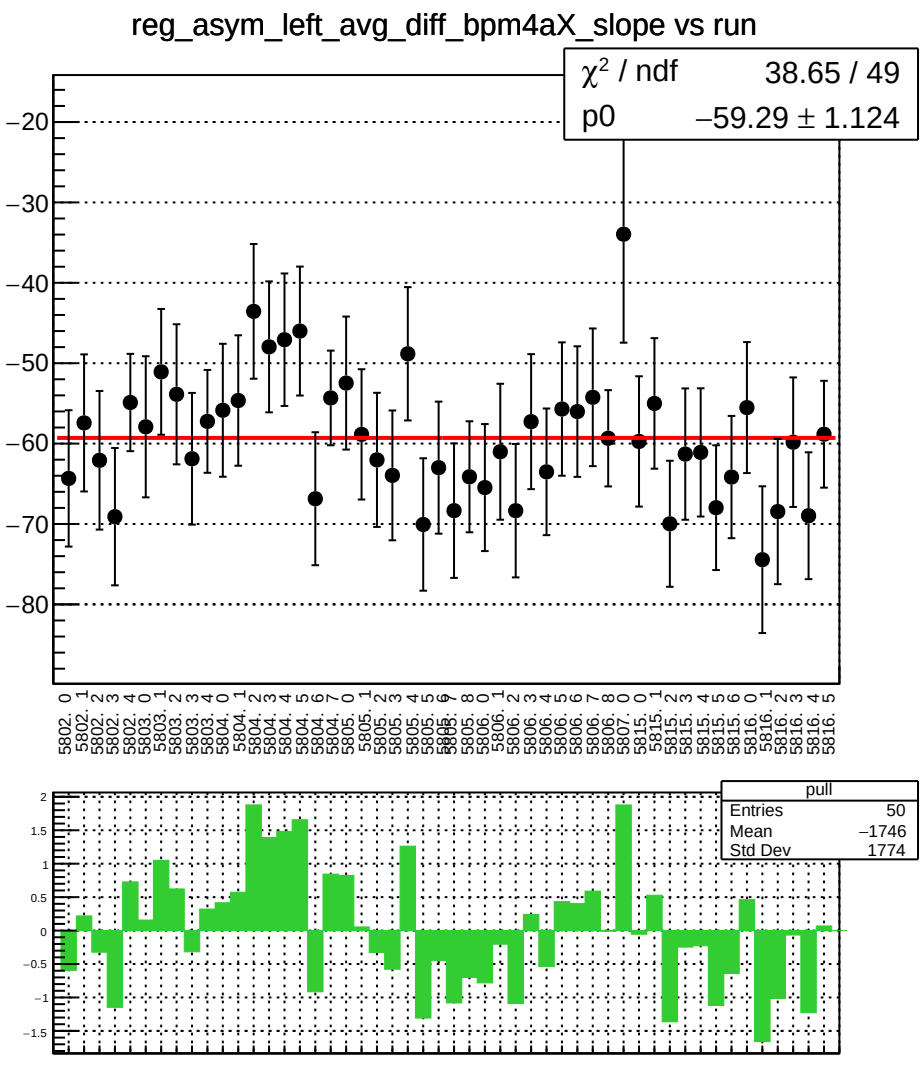

pull1D
Entries 50
Mean 0.01243
Std Dev 1.017

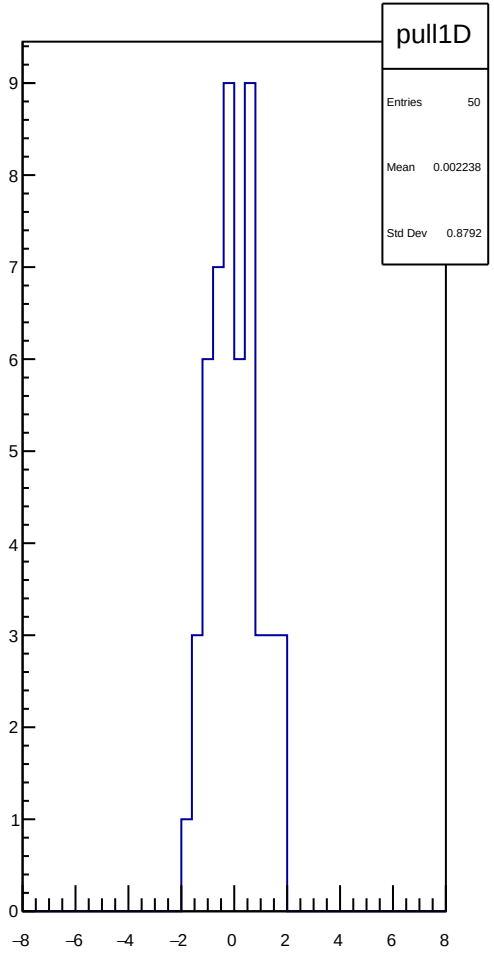

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.75 / 49
p0 −0.08953 ± 0.1241
pull
Entries 50
Mean −175.4
Std Dev 211.6

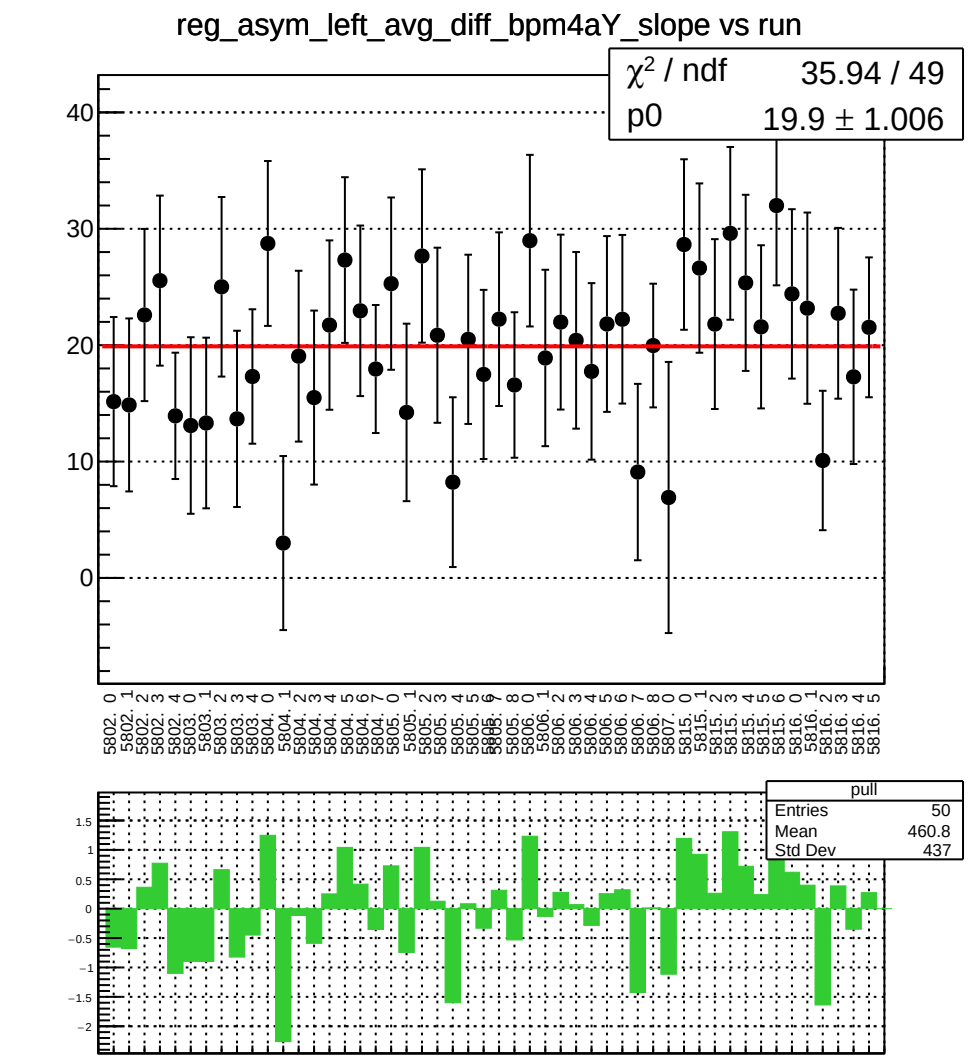

pull1D
Entries 50
Mean 0.01321
Std Dev 1.056

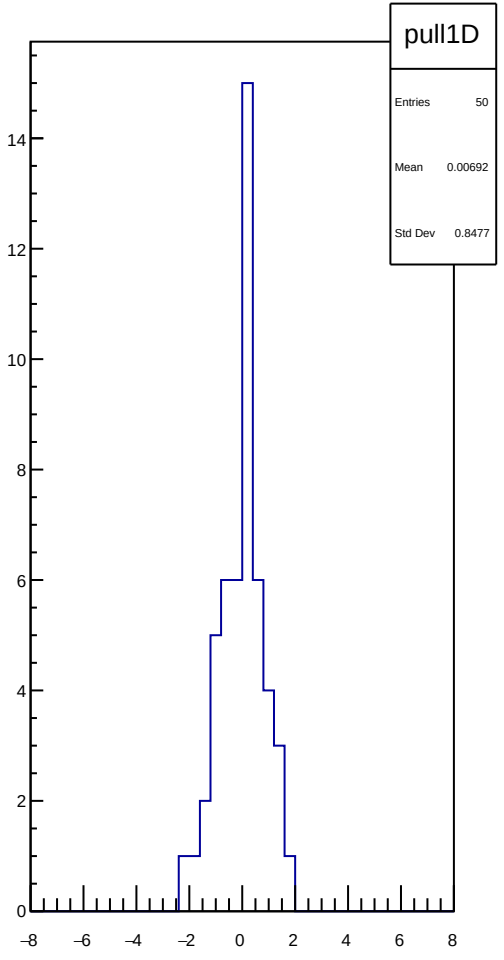

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 61.97 / 49
p0 0.004246 ± 0.007528
pull
Entries 50
Mean 0.0777
Std Dev 7.779

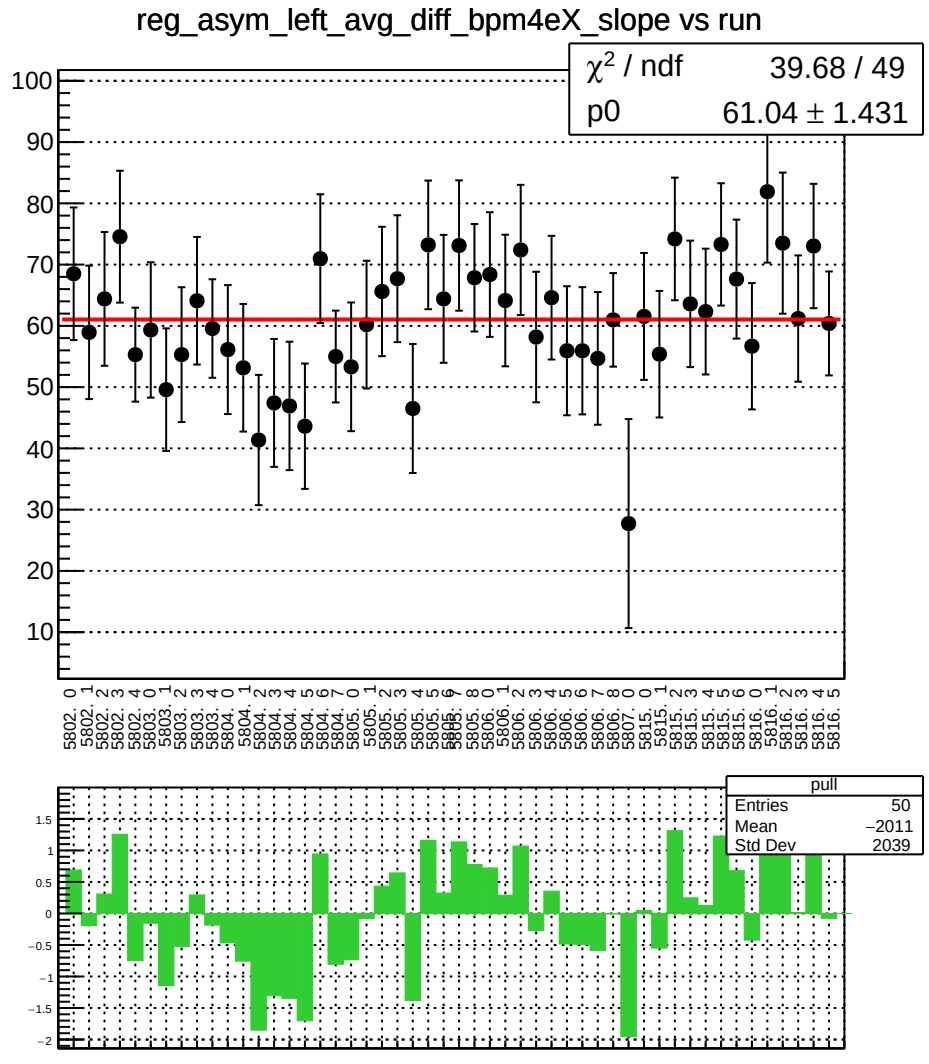

pull1D
Entries 50
Mean −0.01637
Std Dev 1.113

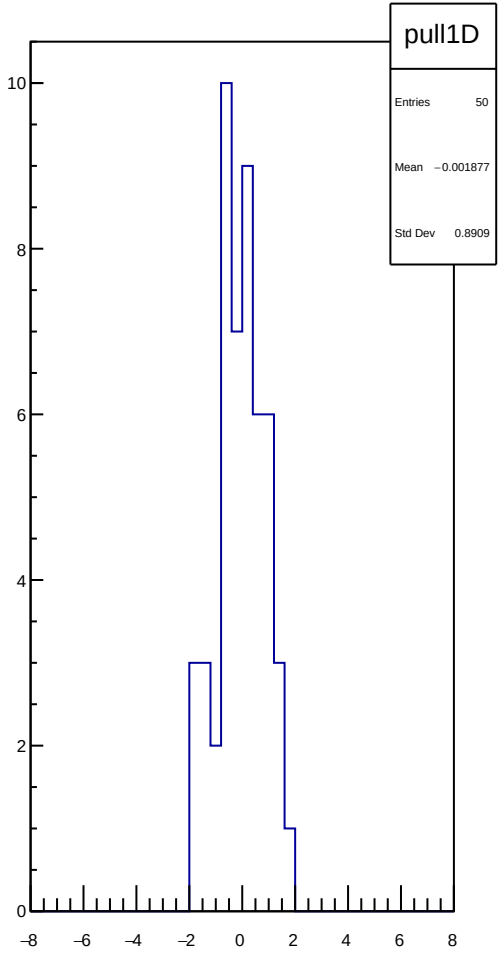

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 38.65 / 49
p0 −59.29 ± 1.124
pull
Entries 50
Mean −1746
Std Dev 1774

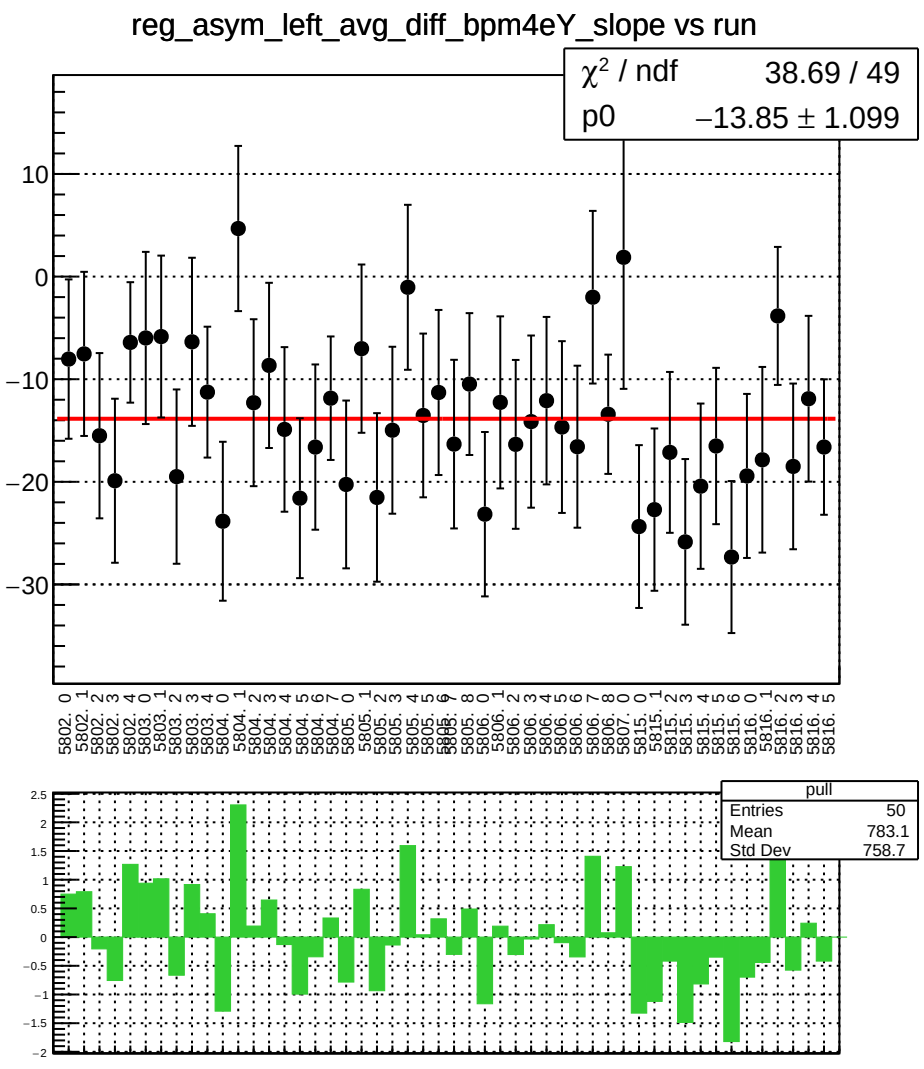

pull1D
Entries 50
Mean 0.002238
Std Dev 0.8792

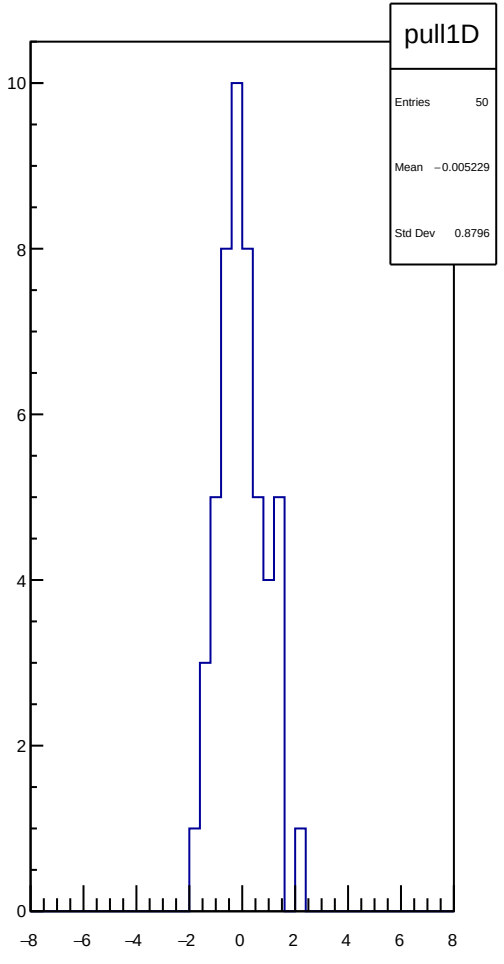

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.94 / 49
p0 19.9 ± 1.006
pull
Entries 50
Mean 460.8
Std Dev 437

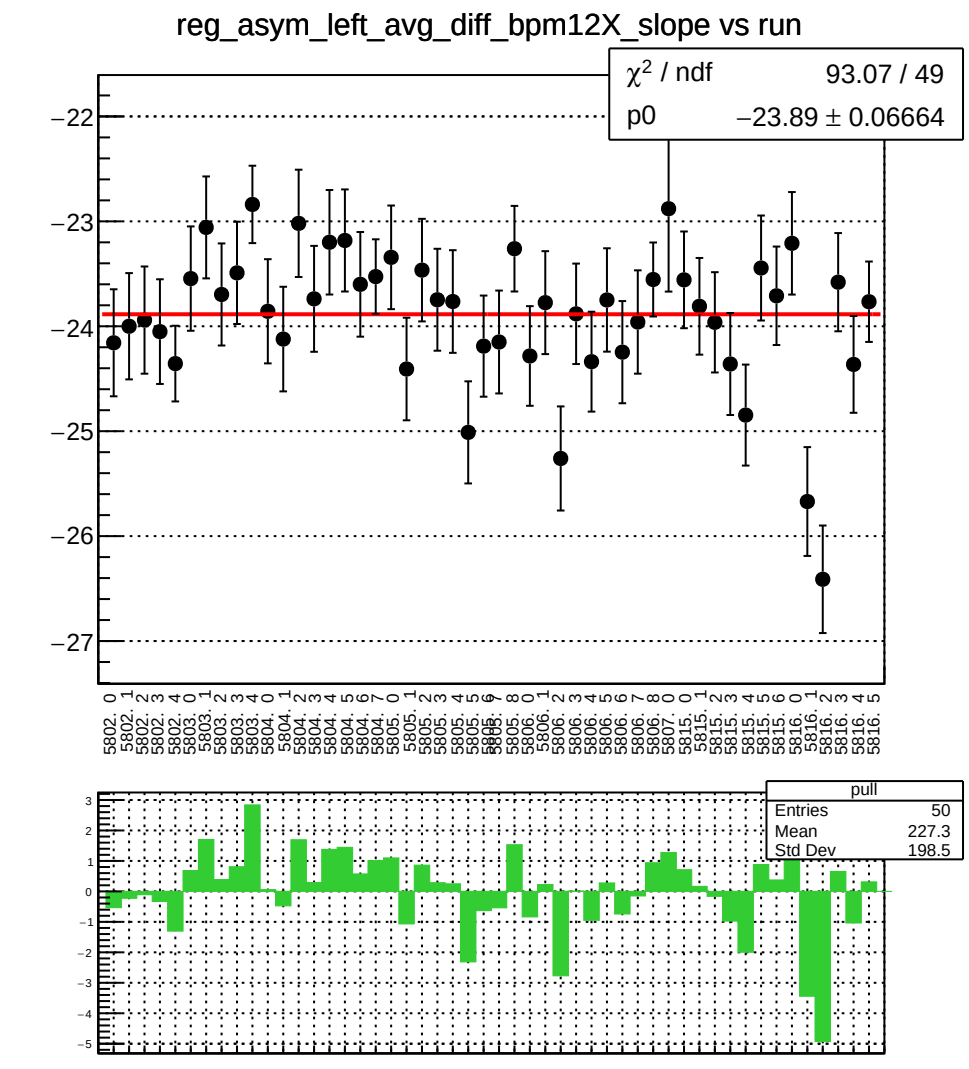

pull1D
Entries 50
Mean 0.00692
Std Dev 0.8477

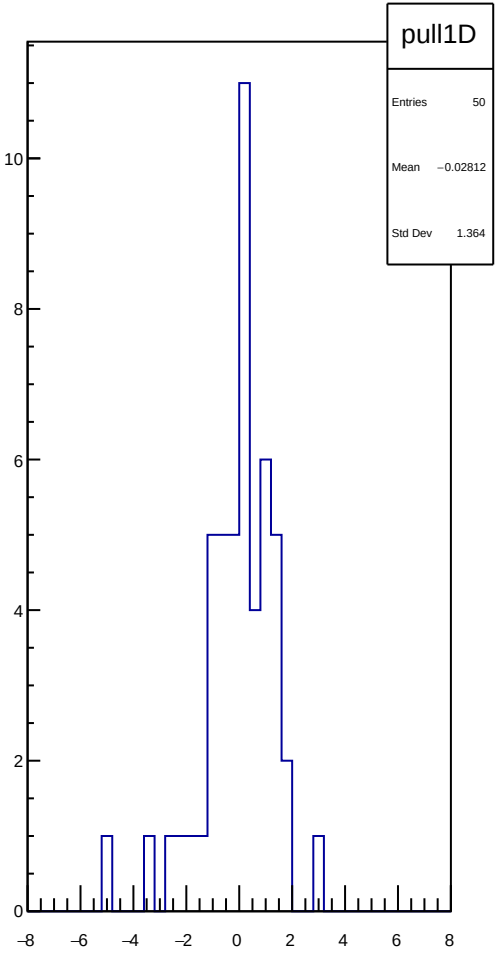

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.68 / 49
p0 61.04 ± 1.431
pull
Entries 50
Mean −2011
Std Dev 2039

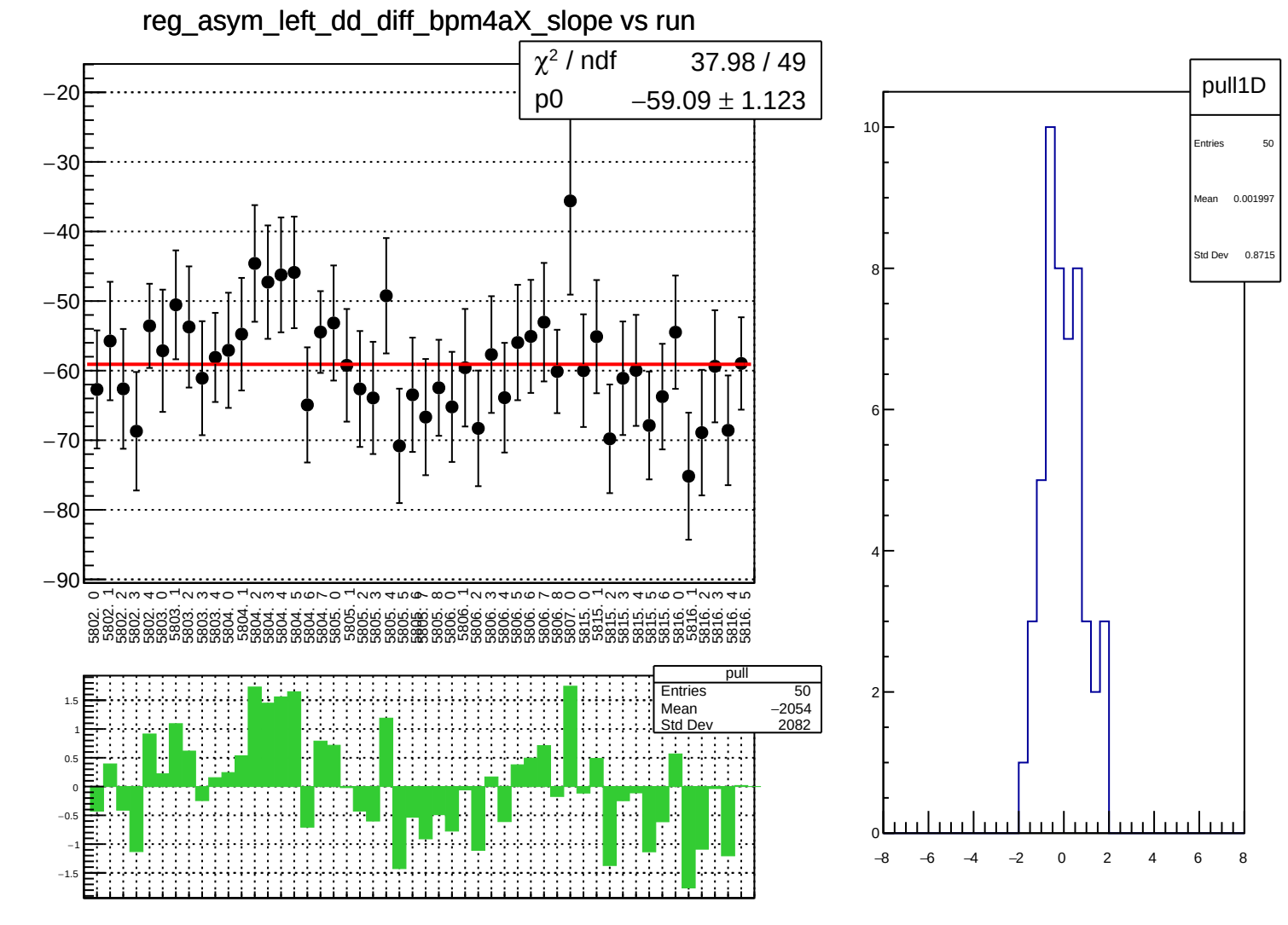

pull1D
Entries 50
Mean −0.001877
Std Dev 0.8909

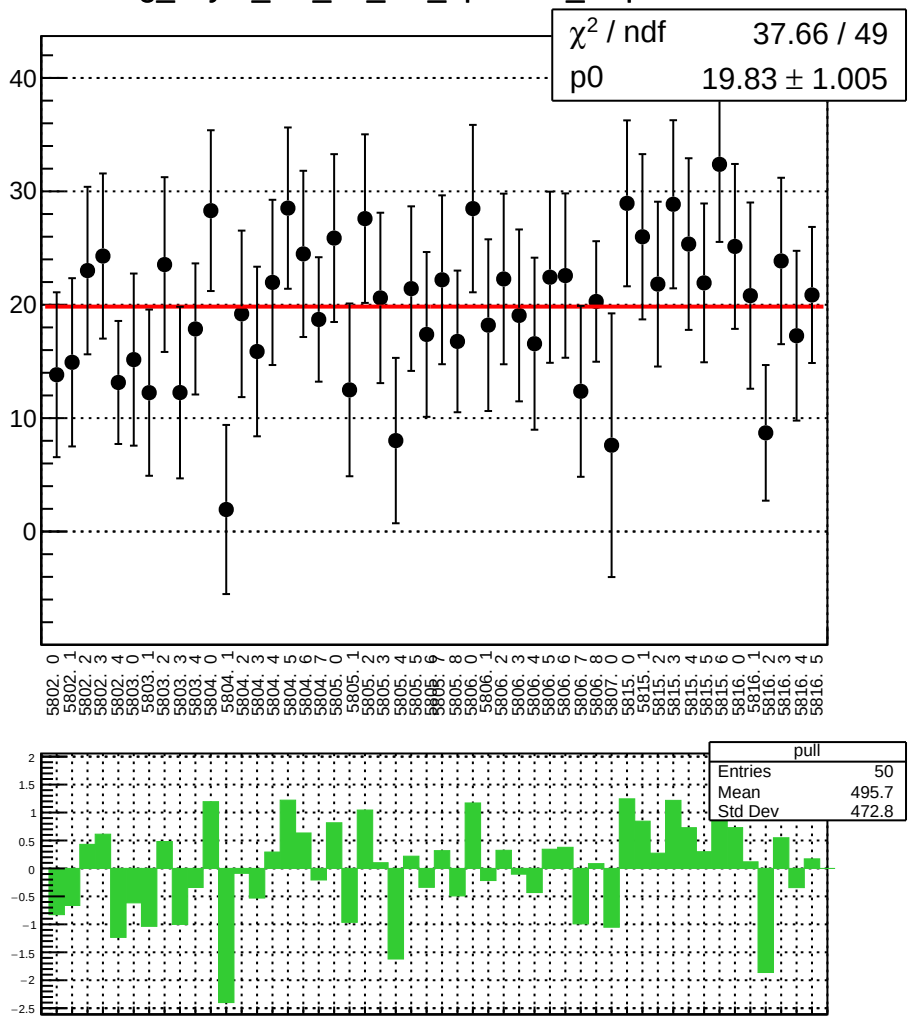

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.69 / 49
p0 −13.85 ± 1.099
pull
Entries 50
Mean 783.1
Std Dev 758.7

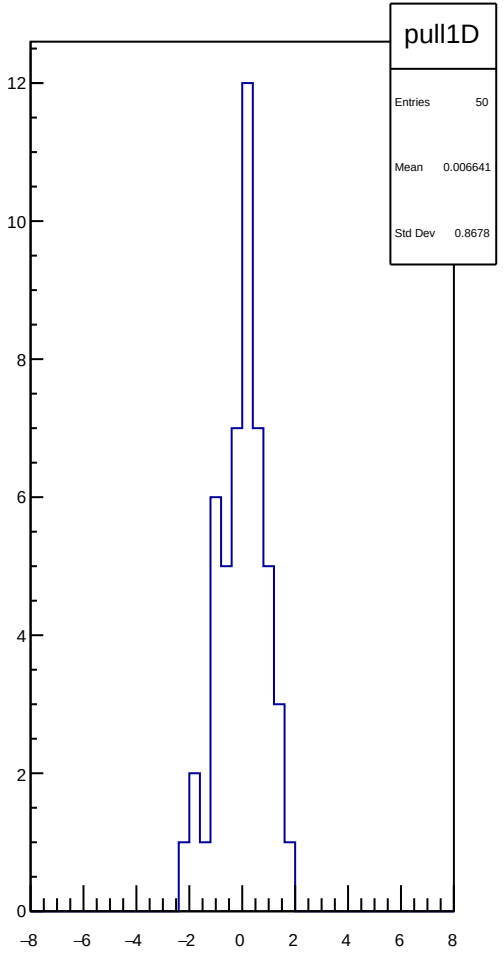

pull1D
Entries 50
Mean −0.005229
Std Dev 0.8796

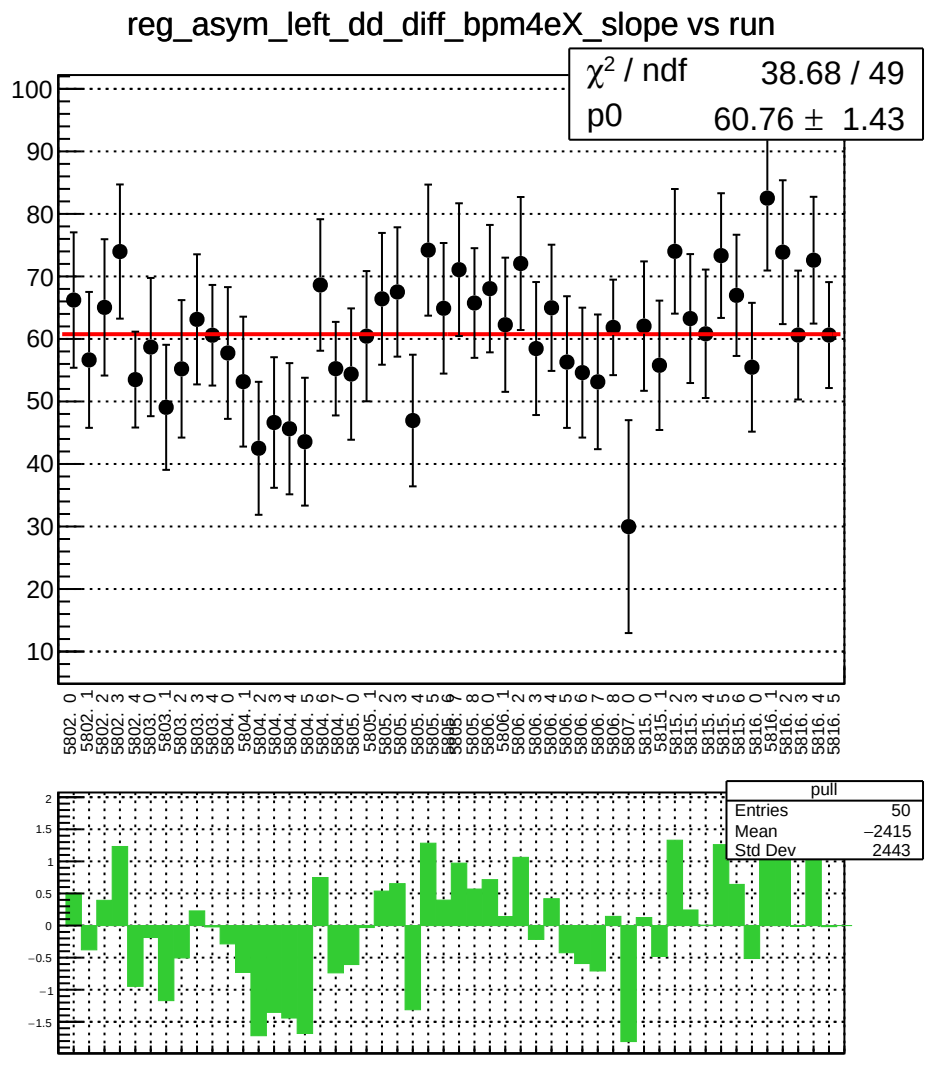

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 93.07 / 49
p0 −23.89 ± 0.06664
pull
Entries 50
Mean 227.3
Std Dev 198.5

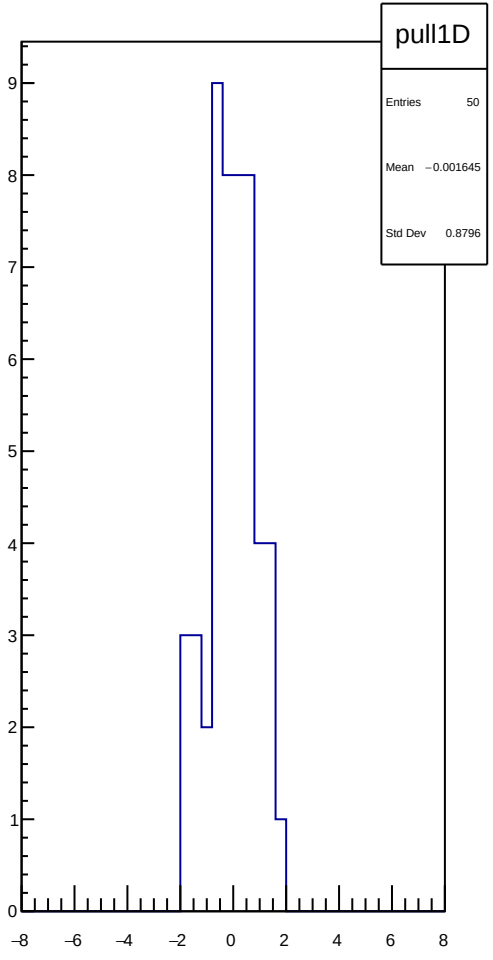

pull1D
Entries 50
Mean −0.02812
Std Dev 1.364

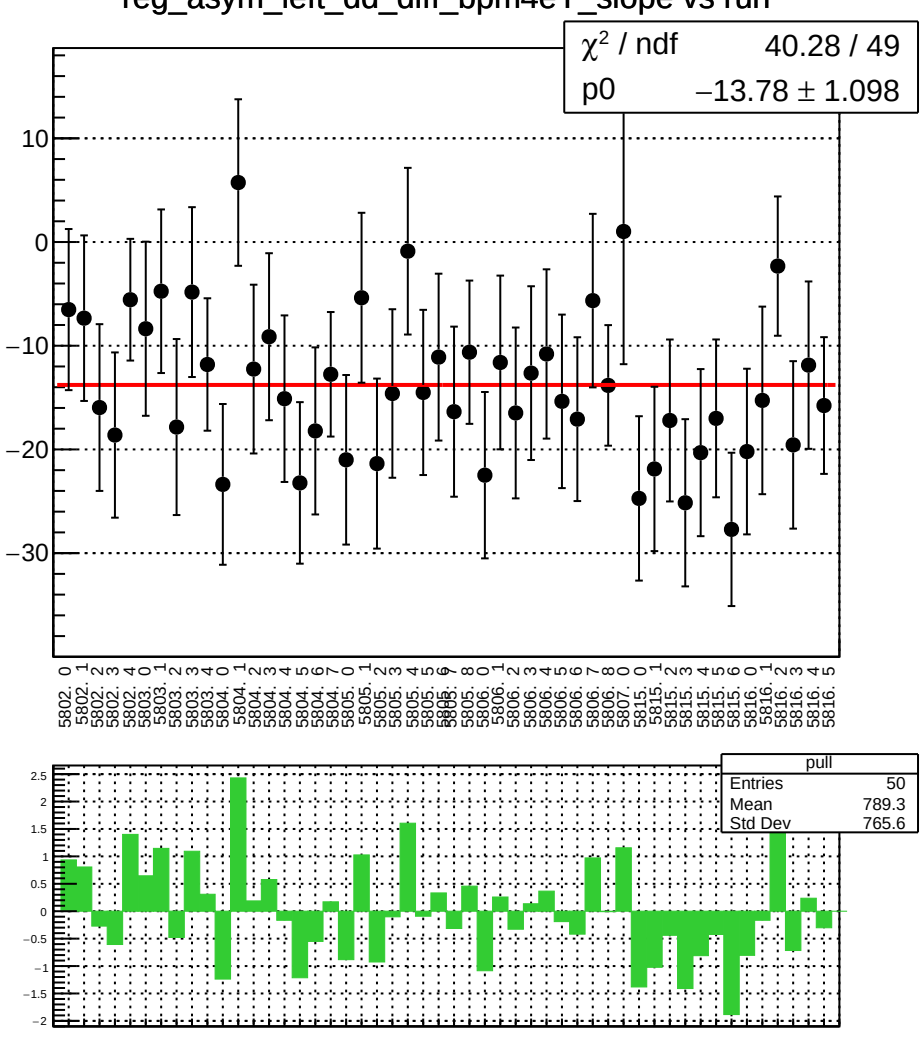

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.98 / 49
p0 −59.09 ± 1.123
pull
Entries 50
Mean −2054
Std Dev 2082
pull1D
Entries 50
Mean 0.001997
Std Dev 0.8715

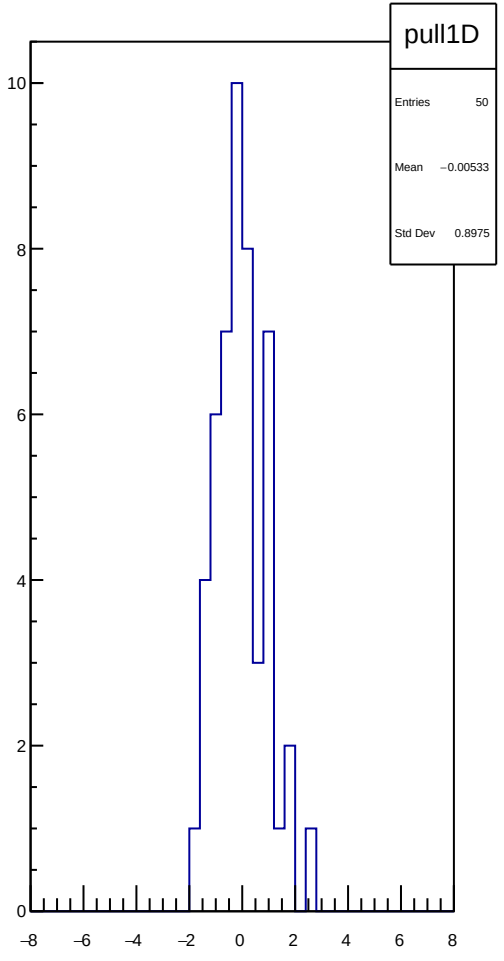

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.66 / 49
p0 19.83 ± 1.005
pull
Entries 50
Mean 495.7
Std Dev 472.8

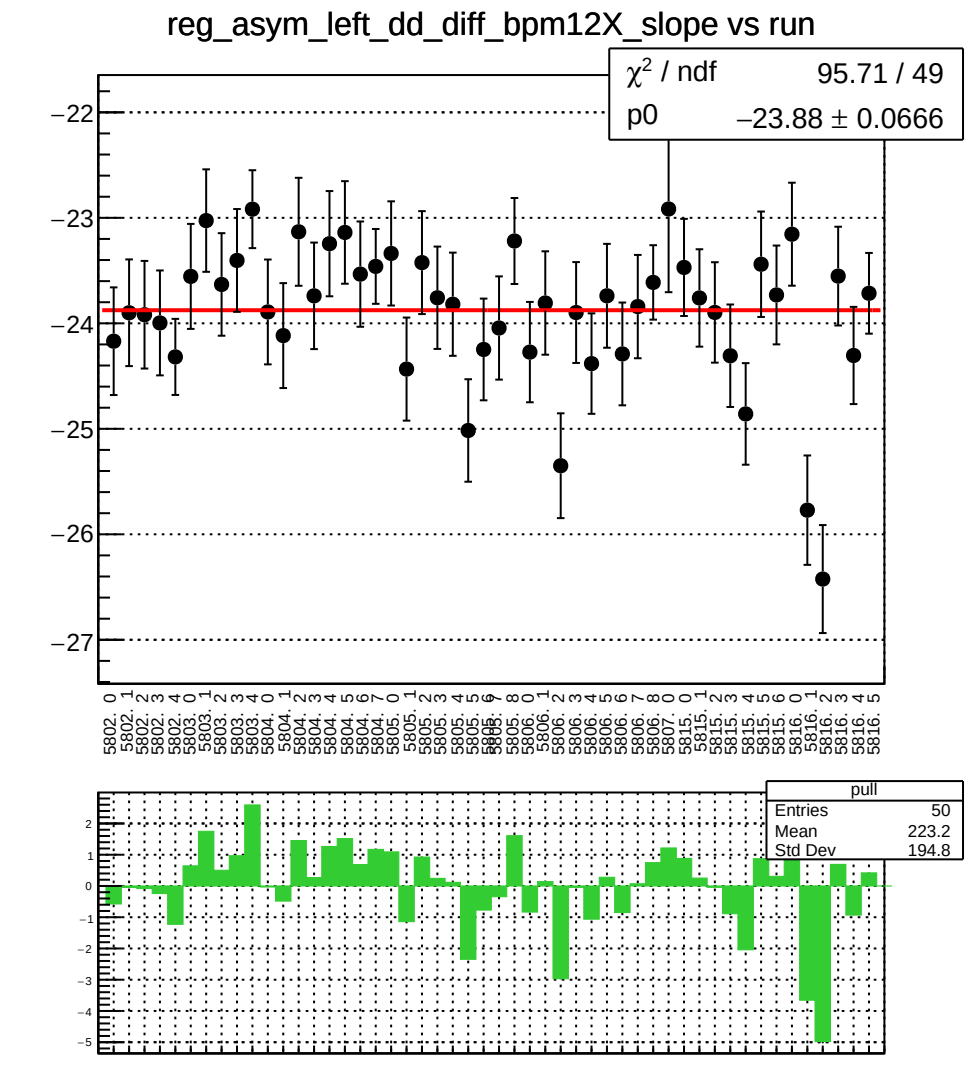

pull1D
Entries 50
Mean 0.006641
Std Dev 0.8678

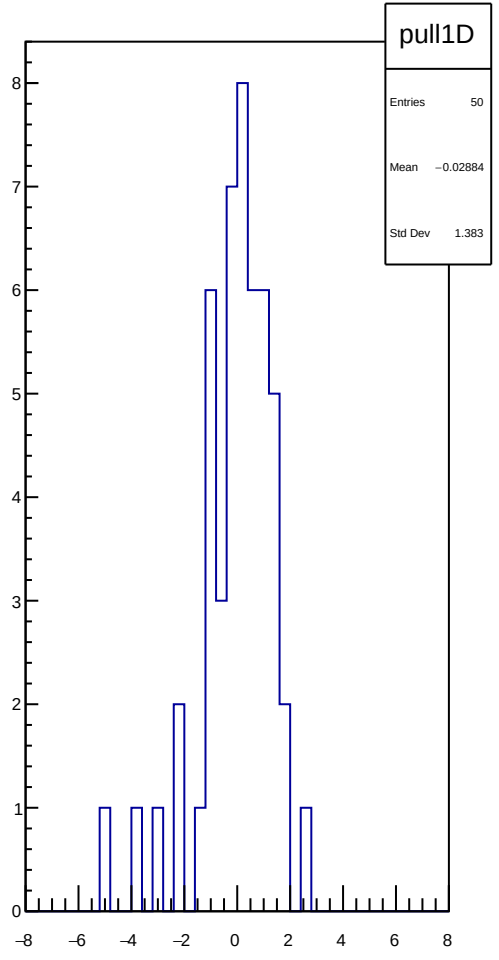

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.68 / 49
p0 60.76 ± 1.43
pull
Entries 50
Mean −2415
Std Dev 2443

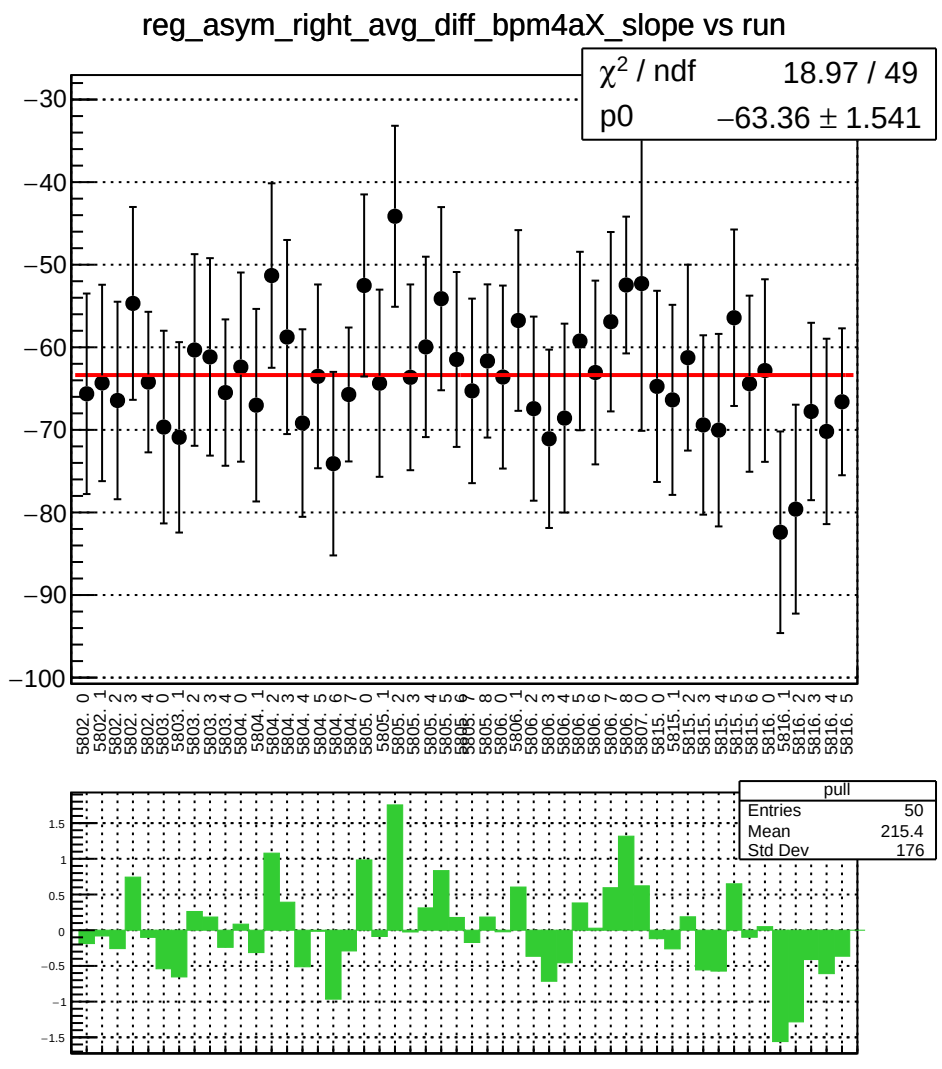

pull1D
Entries 50
Mean −0.001645
Std Dev 0.8796

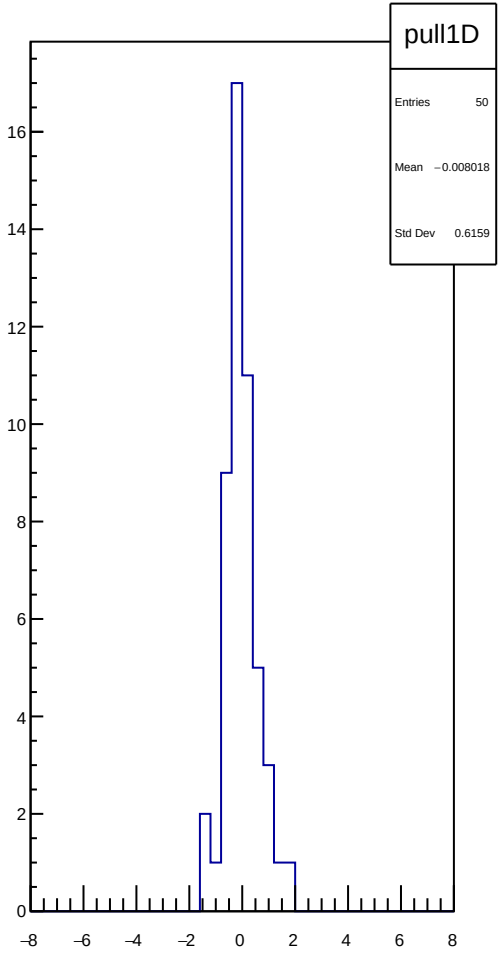

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.28 / 49
p0 −13.78 ± 1.098
pull
Entries 50
Mean 789.3
Std Dev 765.6

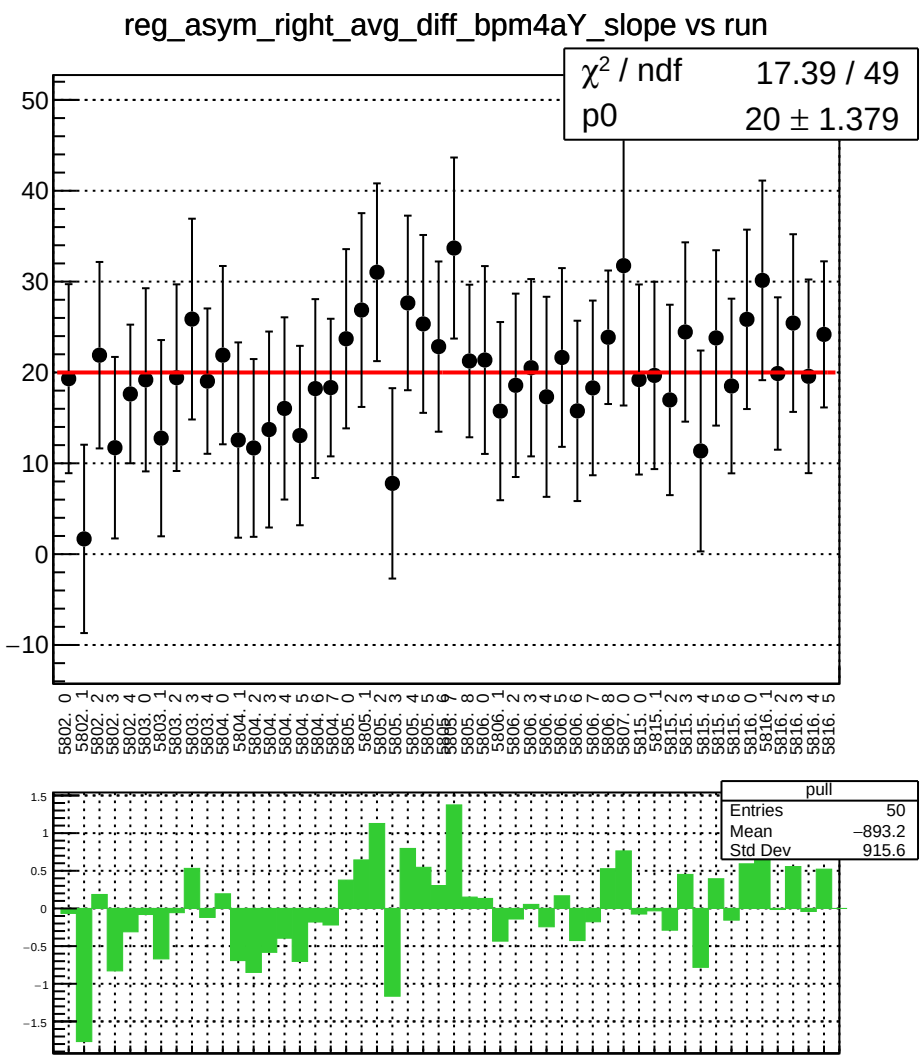

pull1D
Entries 50
Mean −0.00533
Std Dev 0.8975

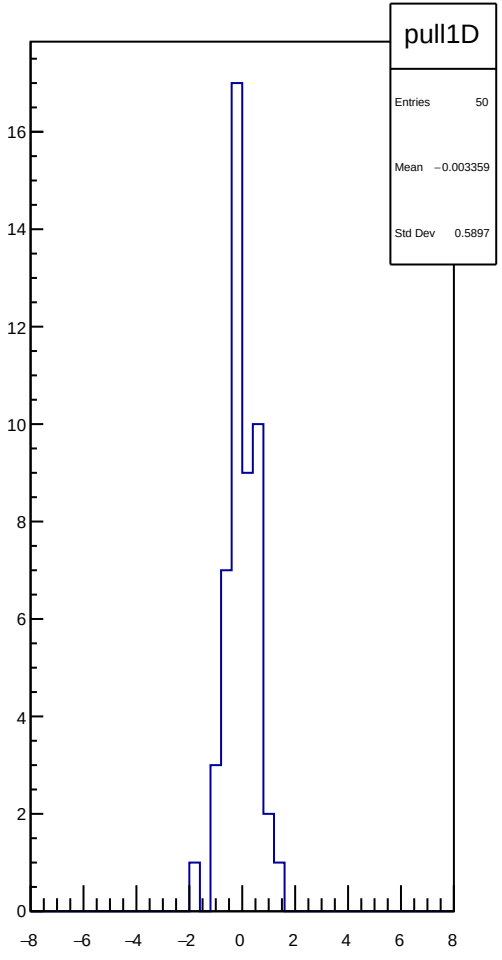

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 95.71 / 49
p0 −23.88 ± 0.0666
pull
Entries 50
Mean 223.2
Std Dev 194.8

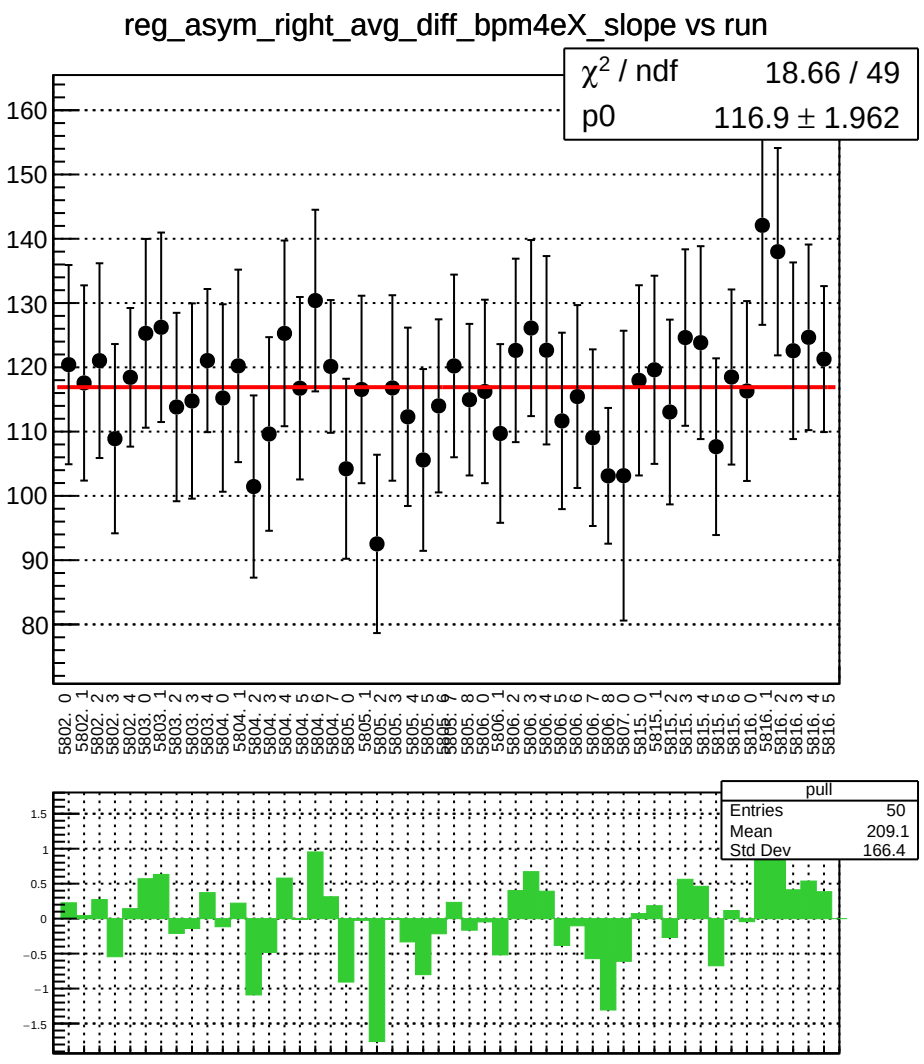

pull1D
Entries 50
Mean −0.02884
Std Dev 1.383

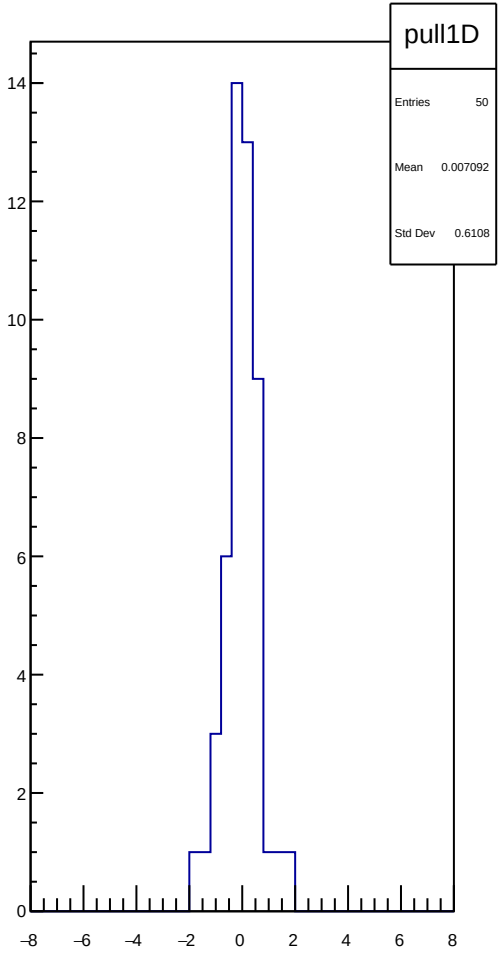

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 18.97 / 49
p0 −63.36 ± 1.541
pull
Entries 50
Mean 215.4
Std Dev 176

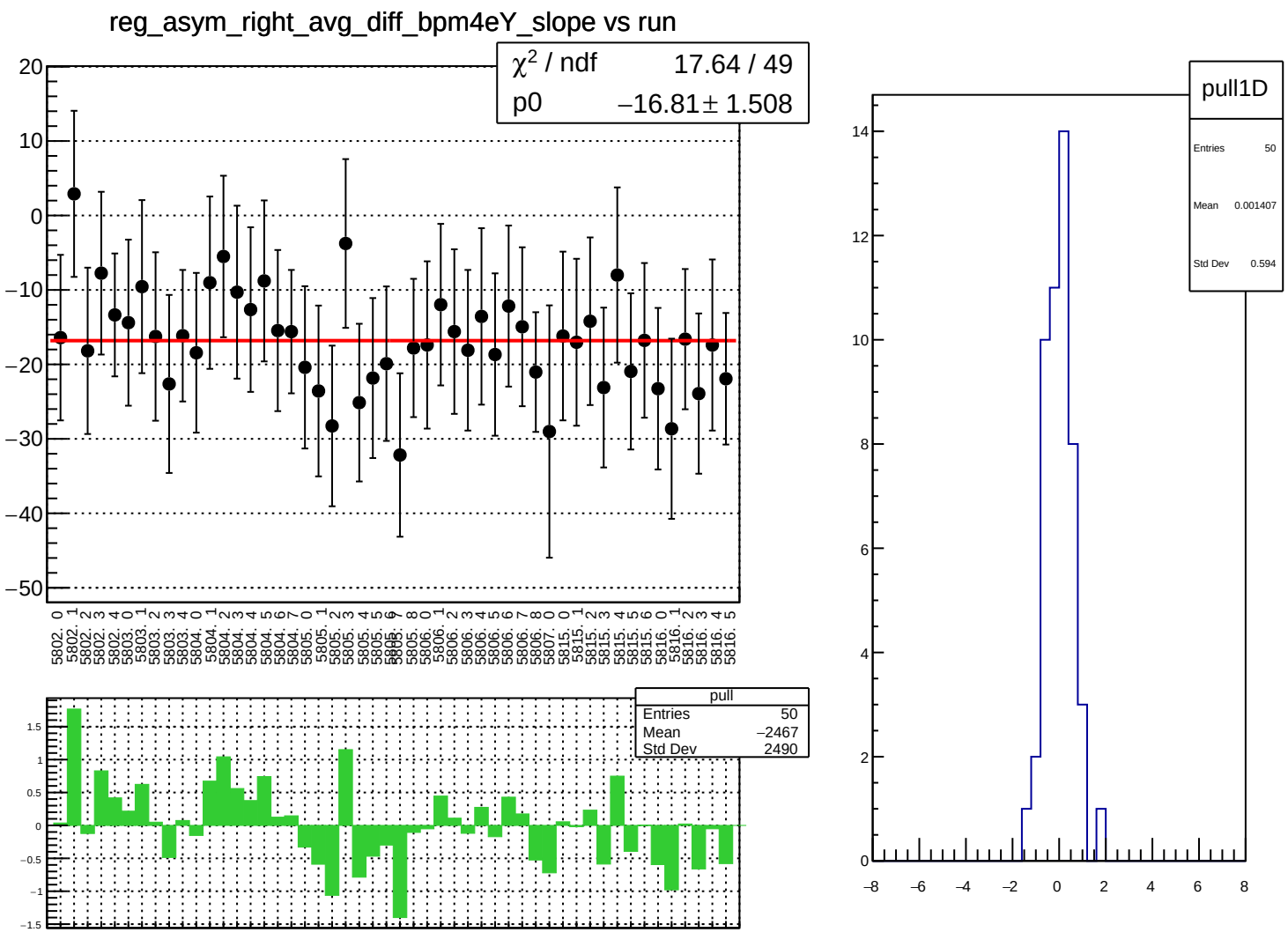

pull1D
Entries 50
Mean −0.008018
Std Dev 0.6159

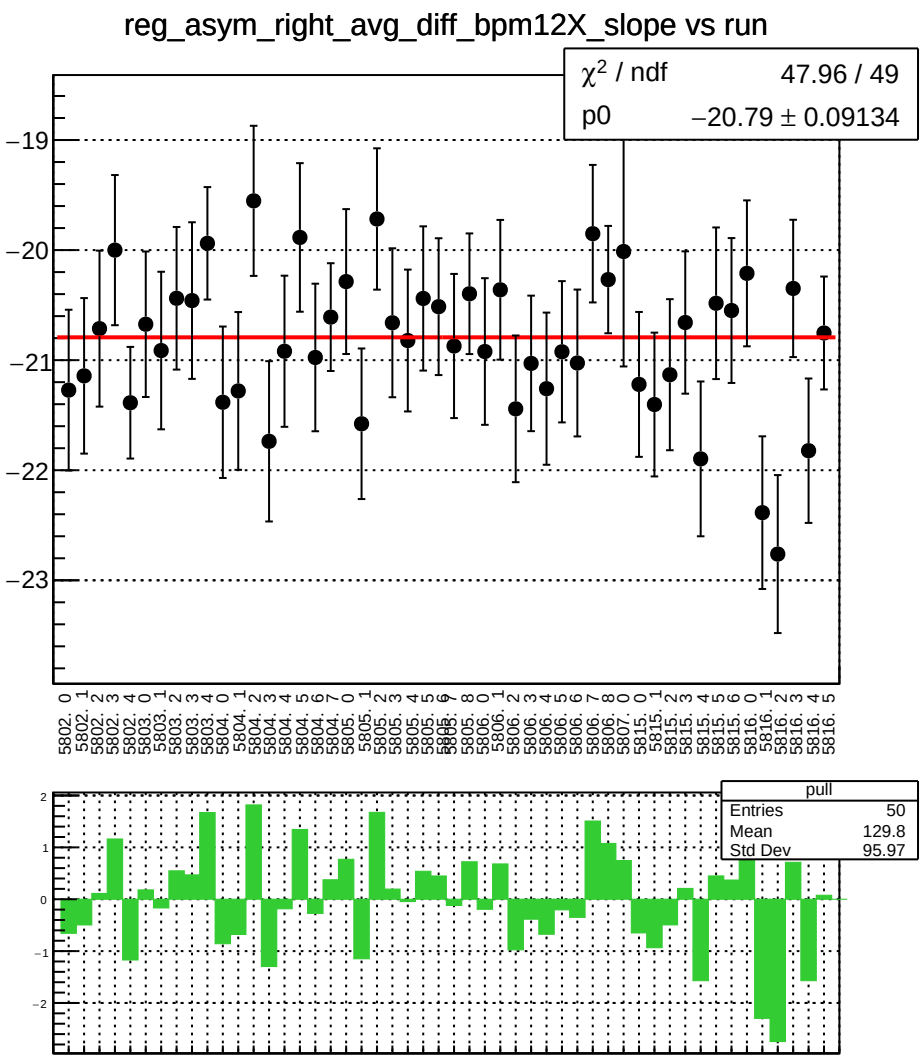

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.39 / 49
p0 20 ± 1.379
pull
Entries 50
Mean −893.2
Std Dev 915.6

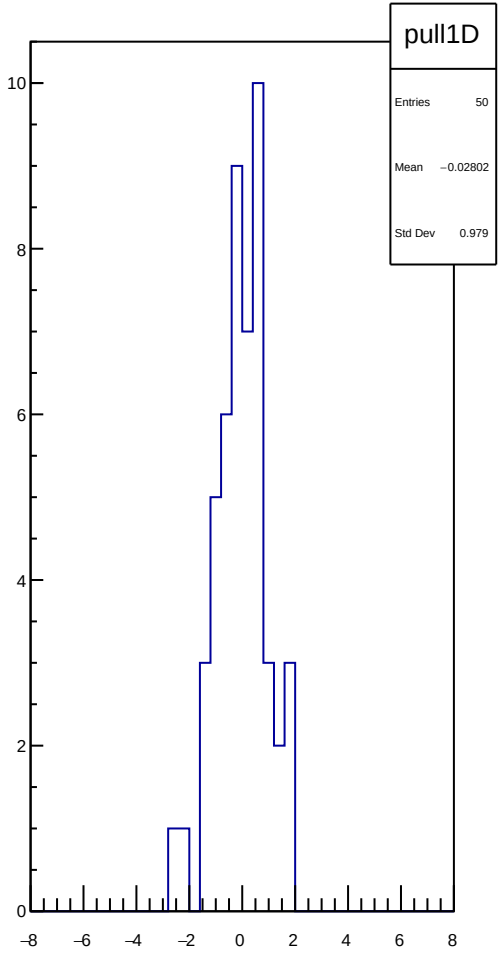

pull1D
Entries 50
Mean −0.003359
Std Dev 0.5897

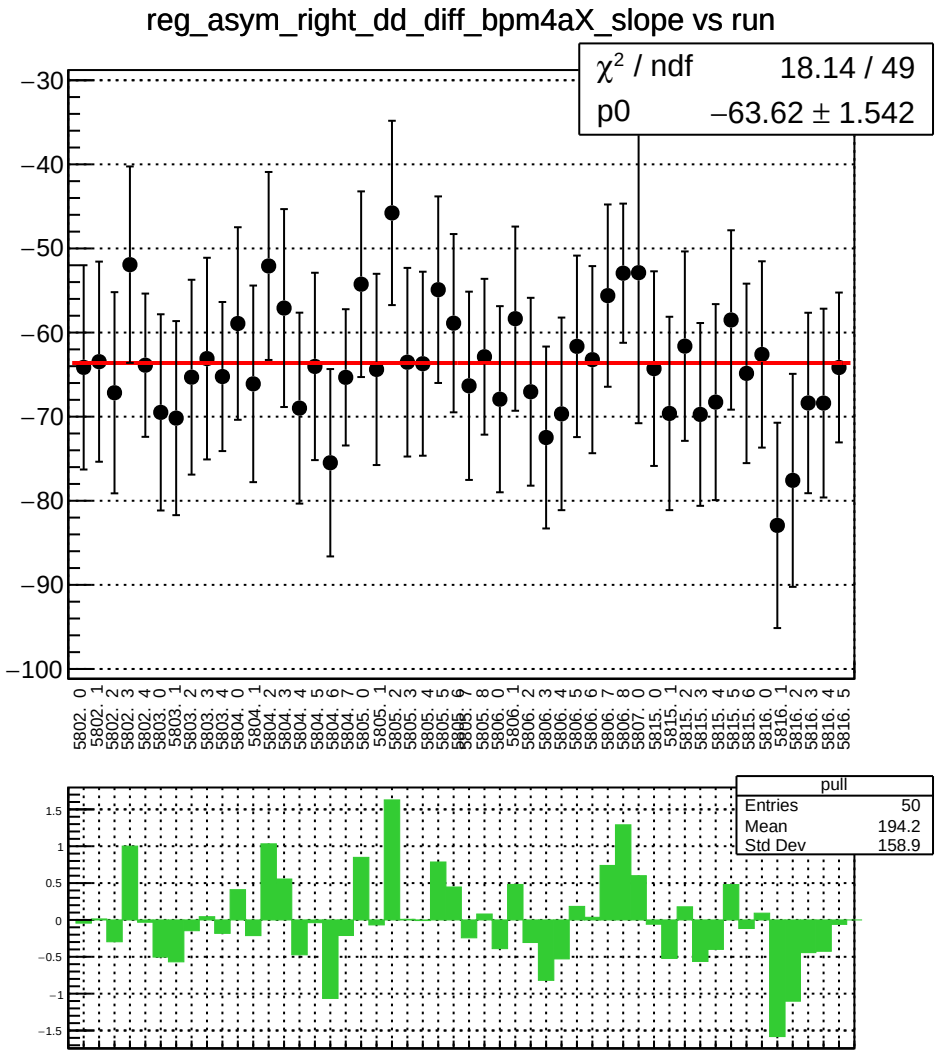

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.66 / 49
p0 116.9 ± 1.962
pull
Entries 50
Mean 209.1
Std Dev 166.4

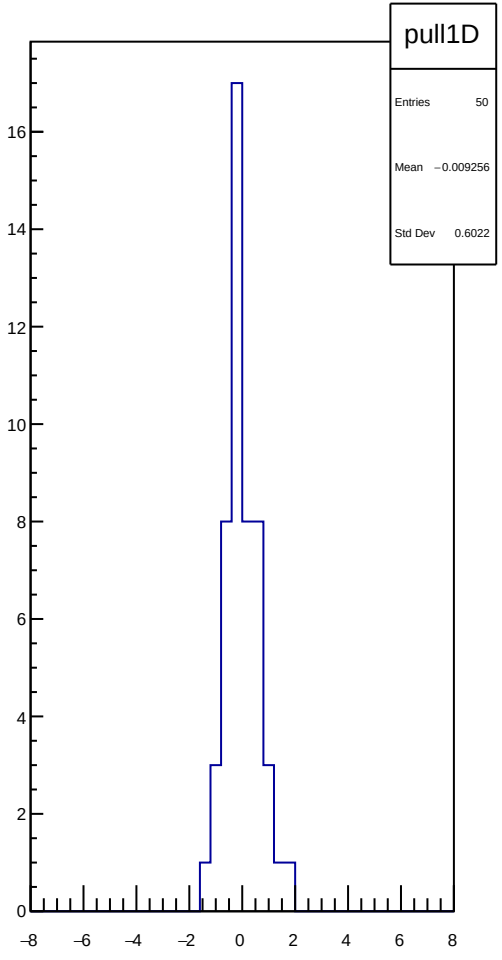

pull1D
Entries 50
Mean 0.007092
Std Dev 0.6108

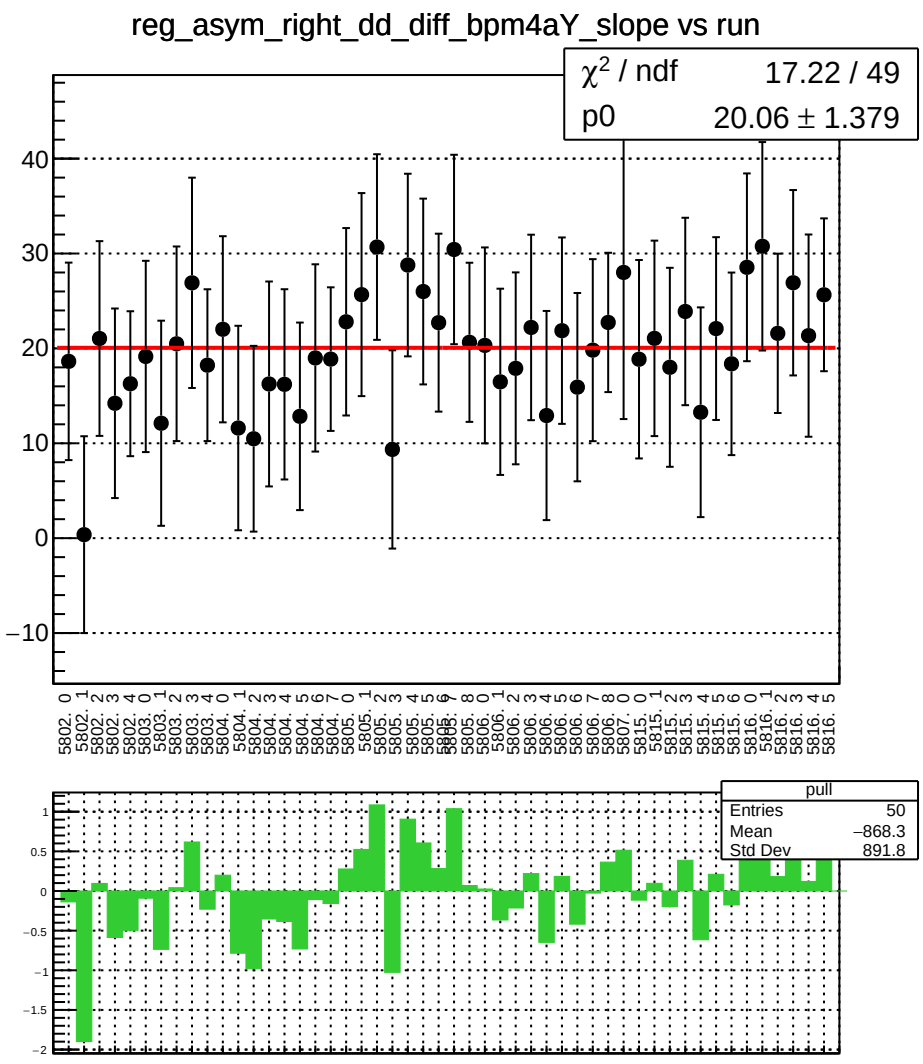

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.64 / 49
p0 −16.81± 1.508
pull
Entries 50
Mean −2467
Std Dev 2490
pull1D
Entries 50
Mean 0.001407
Std Dev 0.594

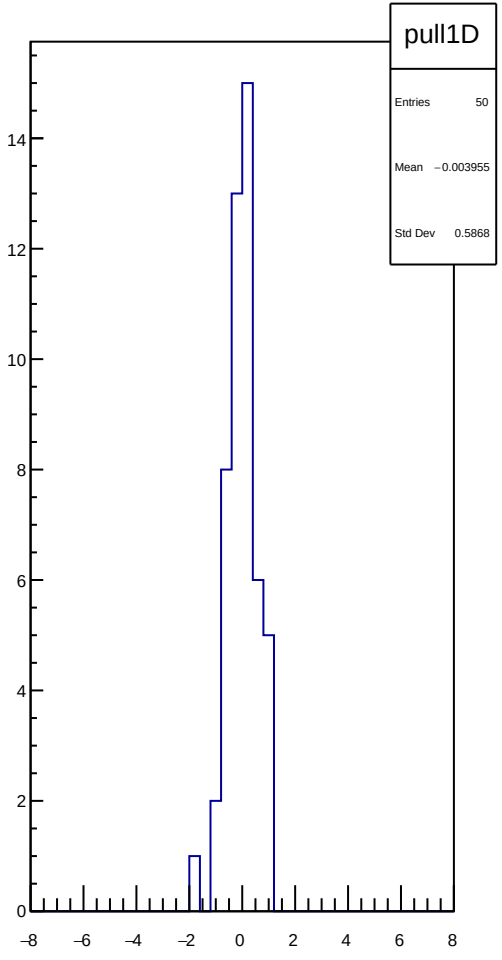

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 47.96 / 49
p0 −20.79 ± 0.09134
pull
Entries 50
Mean 129.8
Std Dev 95.97

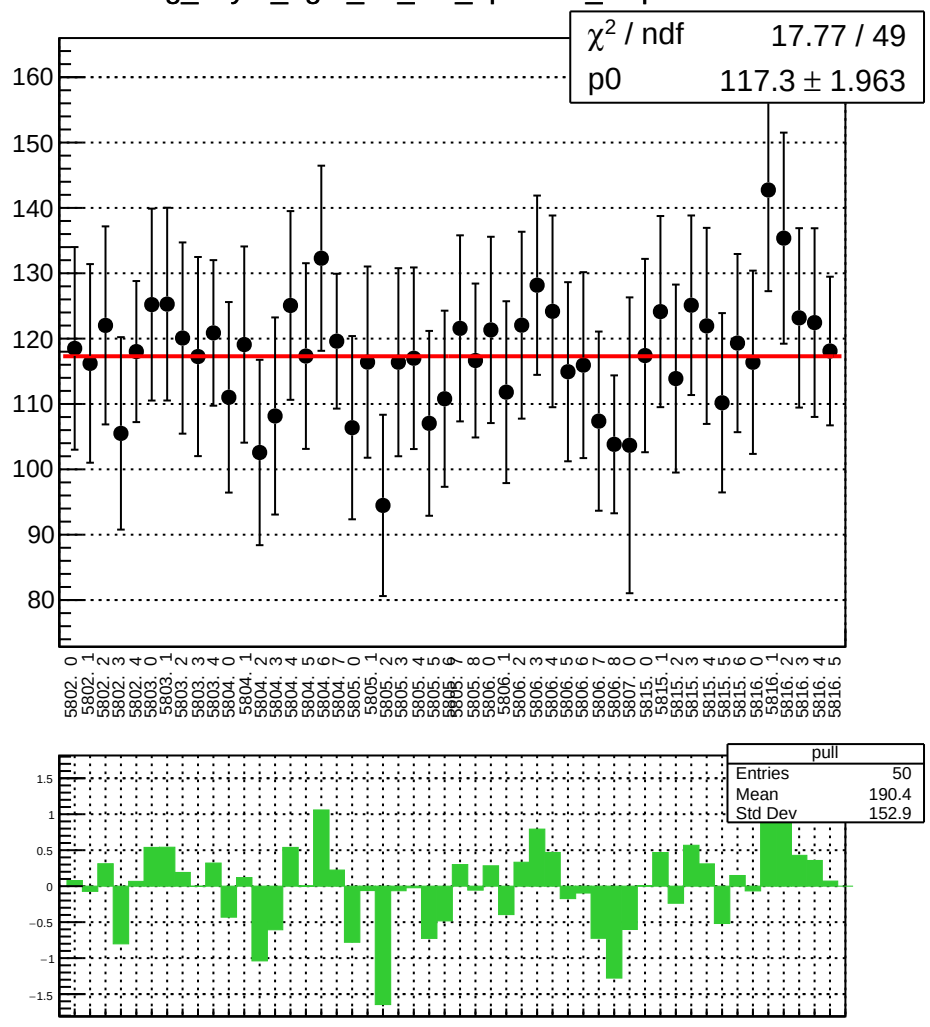

pull1D
Entries 50
Mean −0.02802
Std Dev 0.979

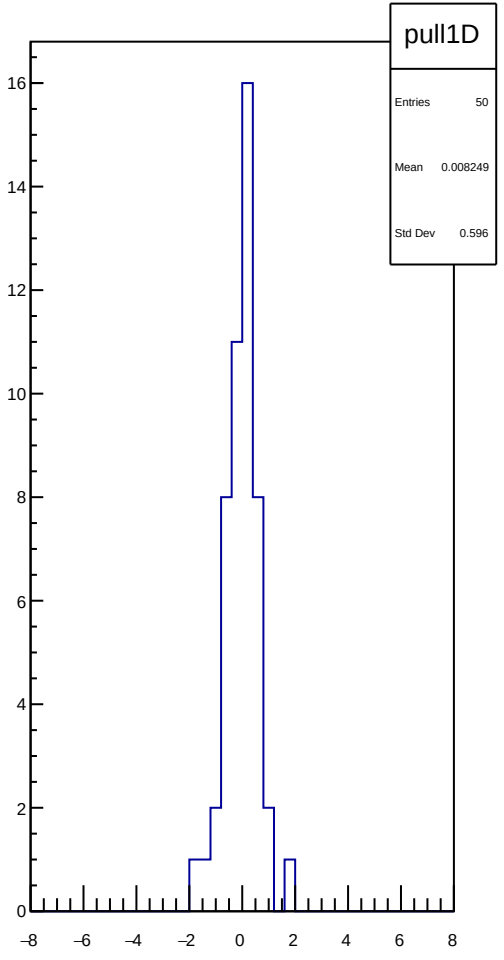

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.14 / 49
p0 −63.62 ± 1.542
pull
Entries 50
Mean 194.2
Std Dev 158.9

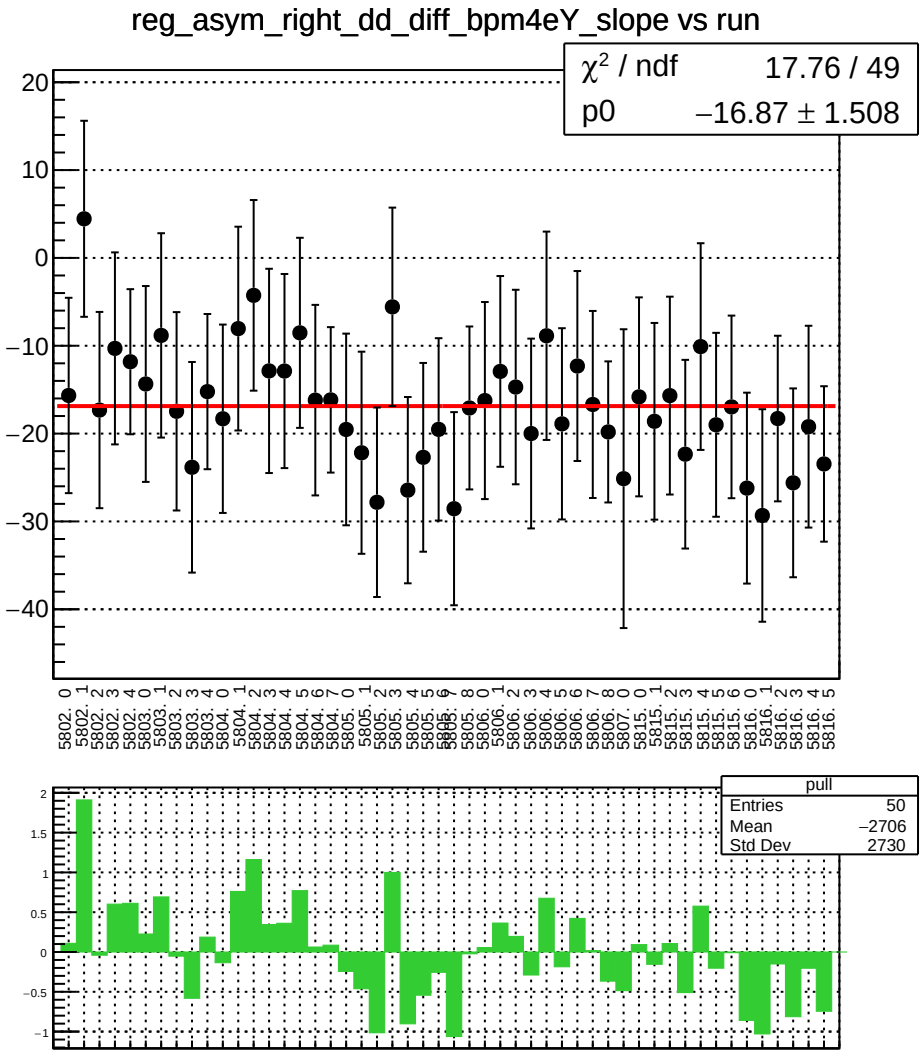

pull1D
Entries 50
Mean −0.009256
Std Dev 0.6022

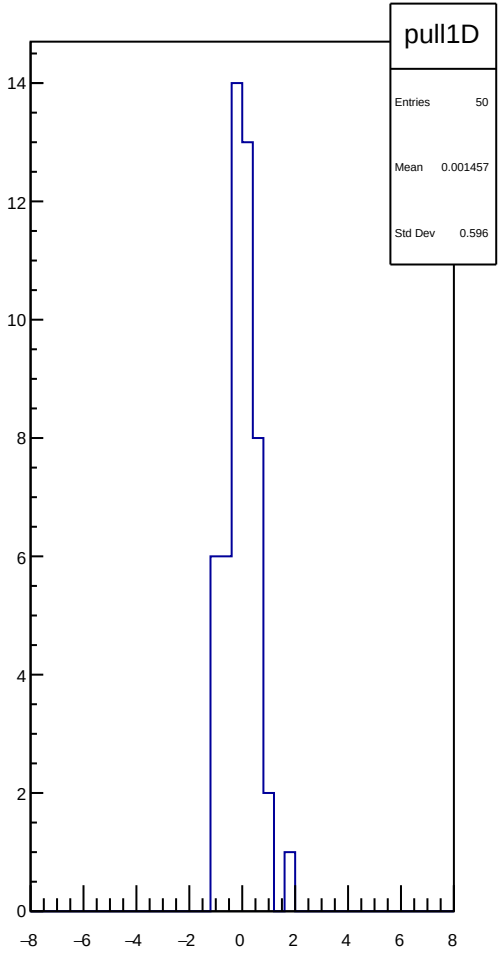

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.22 / 49
p0 20.06 ± 1.379
pull
Entries 50
Mean −868.3
Std Dev 891.8

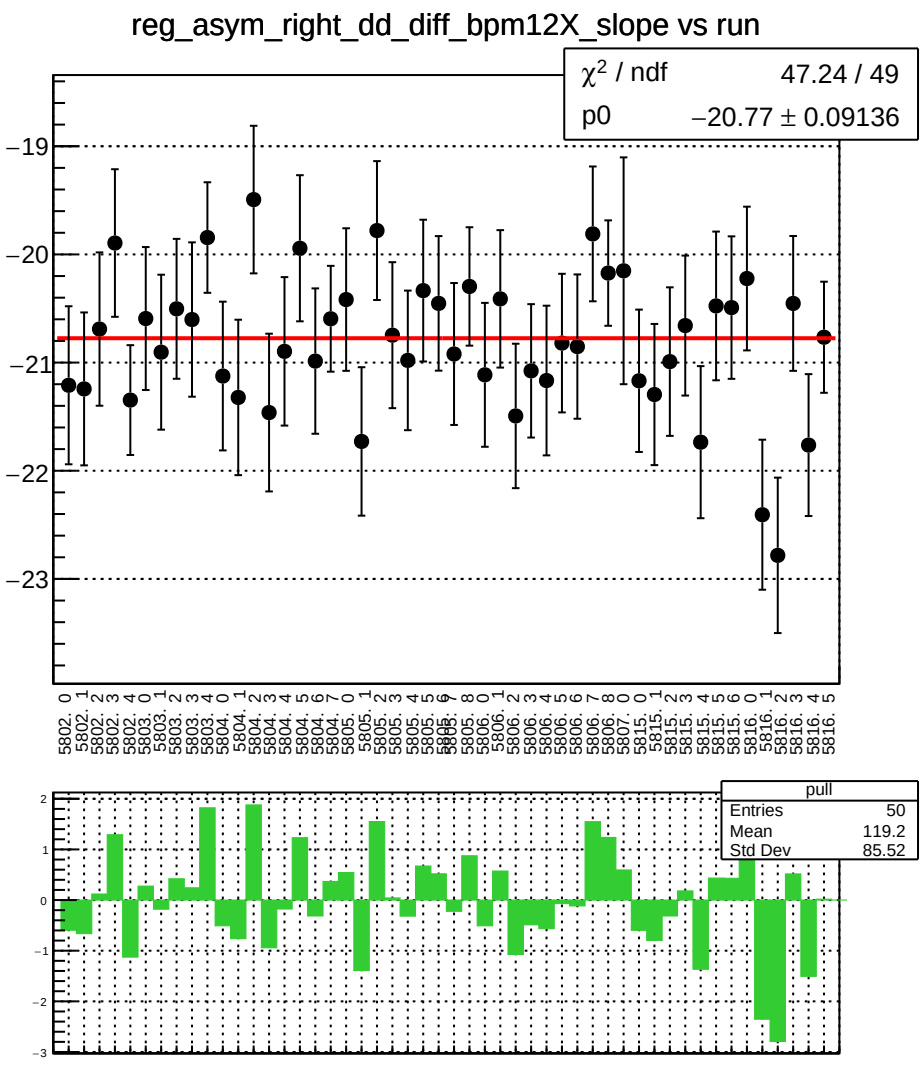

pull1D
Entries 50
Mean −0.003955
Std Dev 0.5868

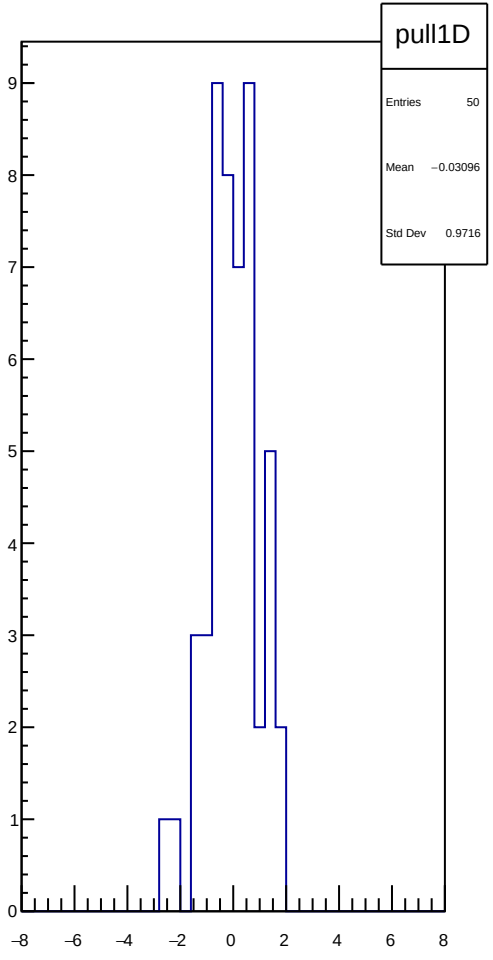

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.77 / 49
p0 117.3 ± 1.963
160
150
140
130
120
110
100
90
80
pull
Entries 50
Mean 190.4
Std Dev 152.9
1.5
1
0.5
0
−0.5
−1
−1.5

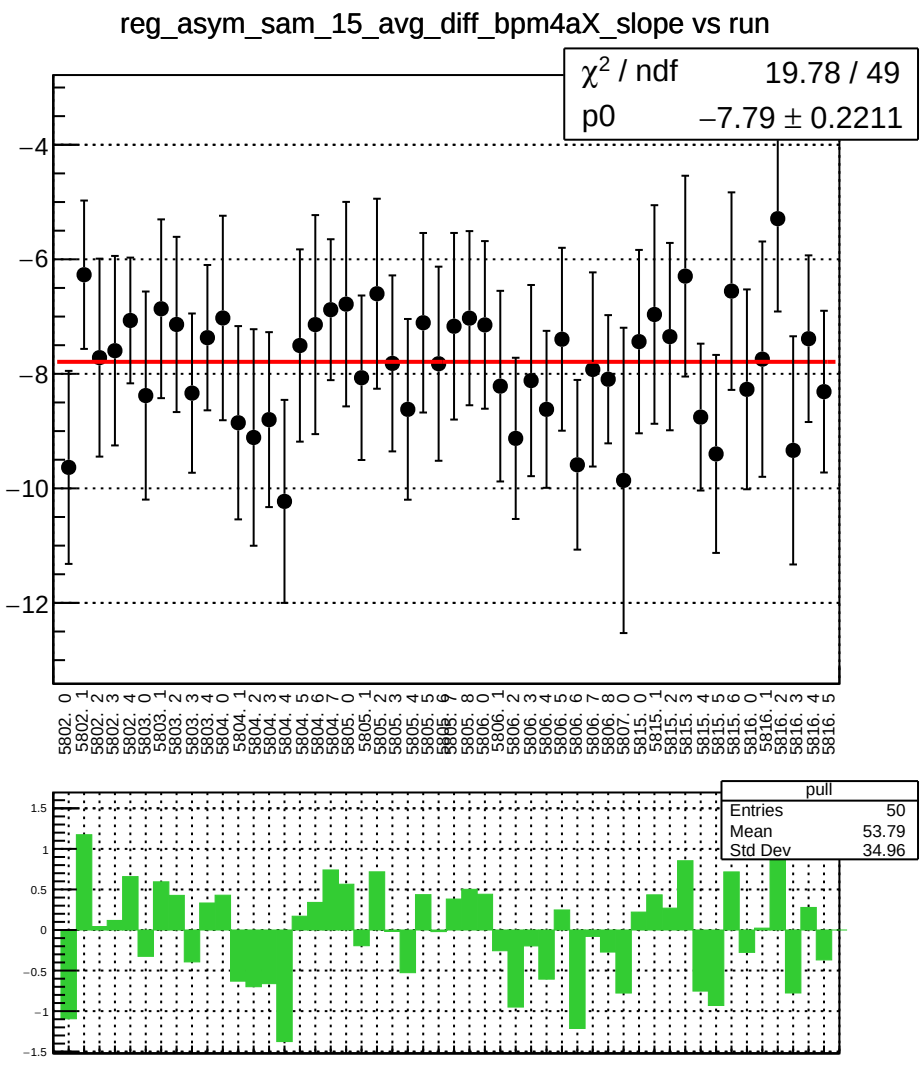

pull1D
Entries 50
Mean 0.008249
Std Dev 0.596
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

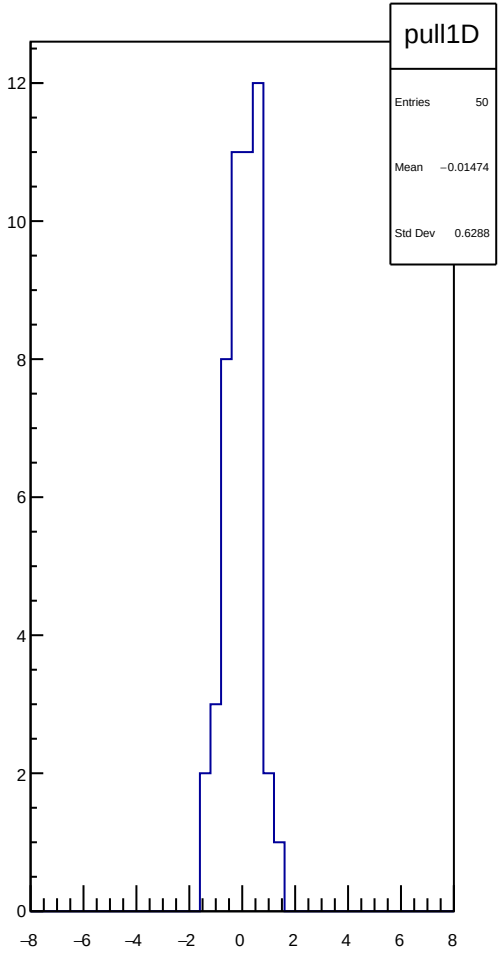

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.76 / 49
p0 −16.87 ± 1.508
pull
Entries 50
Mean −2706
Std Dev 2730

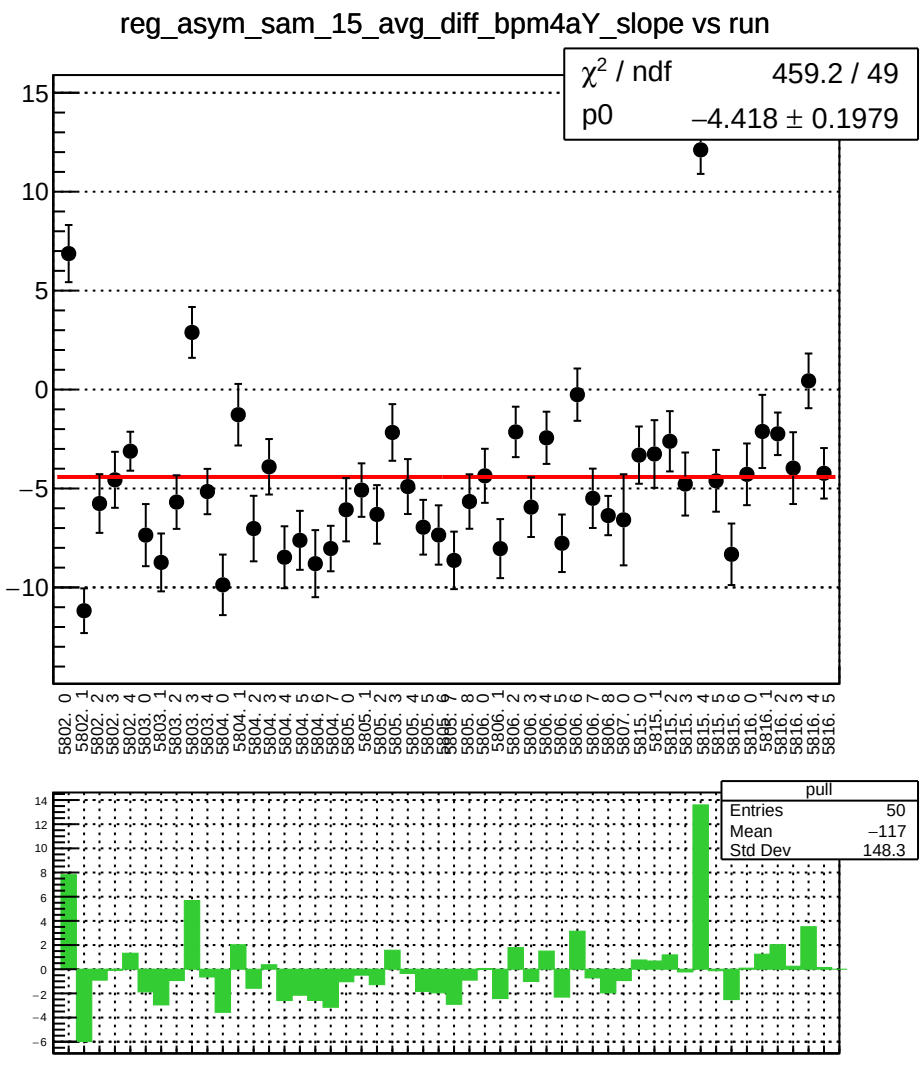

pull1D
Entries 50
Mean 0.001457
Std Dev 0.596

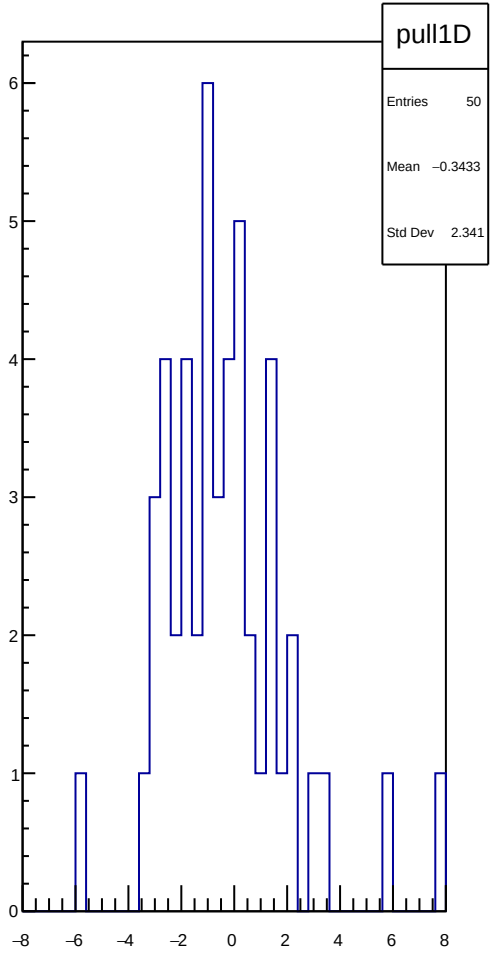

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 47.24 / 49
p0 −20.77 ± 0.09136
pull
Entries 50
Mean 119.2
Std Dev 85.52

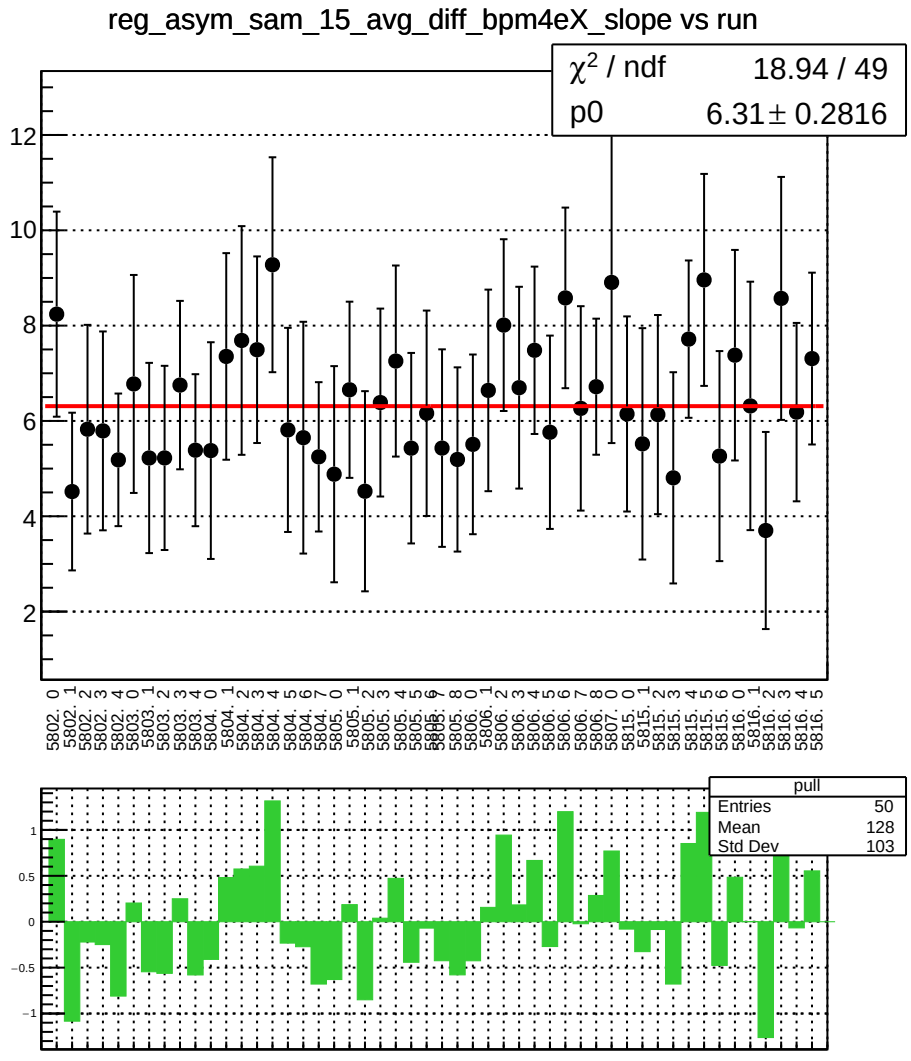

pull1D
Entries 50
Mean −0.03096
Std Dev 0.9716

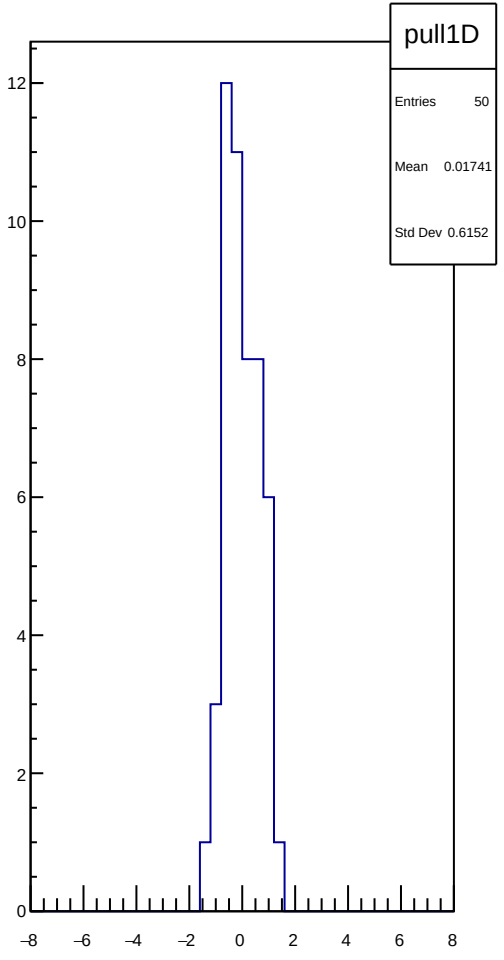

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 19.78 / 49
p0 −7.79 ± 0.2211
pull
Entries 50
Mean 53.79
Std Dev 34.96

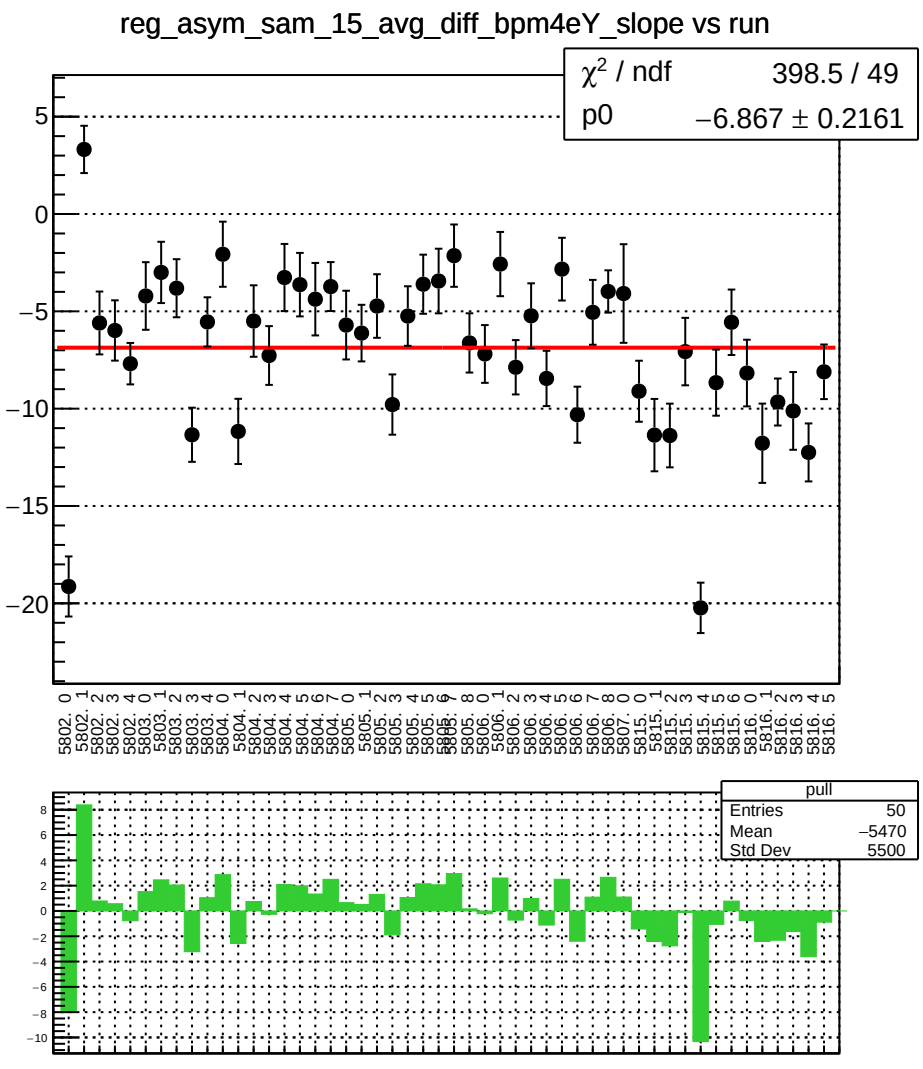

pull1D
Entries 50
Mean −0.01474
Std Dev 0.6288

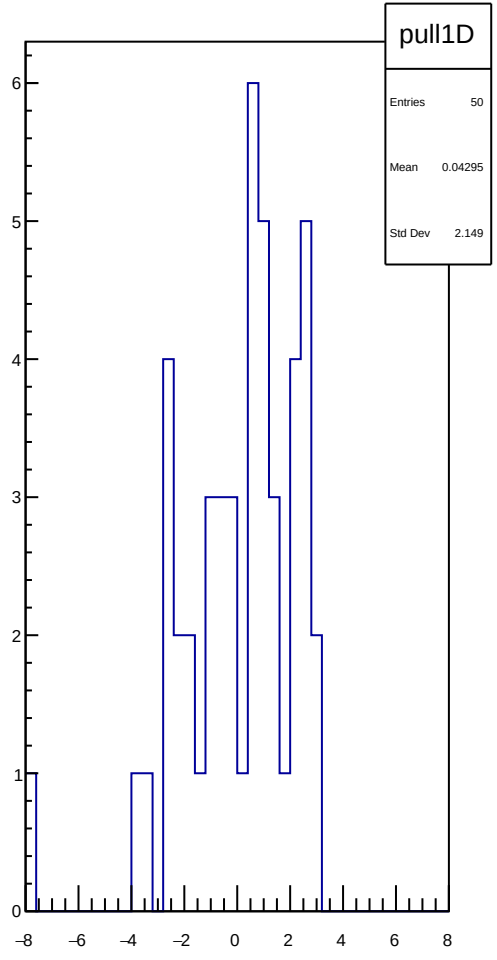

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 459.2 / 49
p0 −4.418 ± 0.1979
pull
Entries 50
Mean −117
Std Dev 148.3

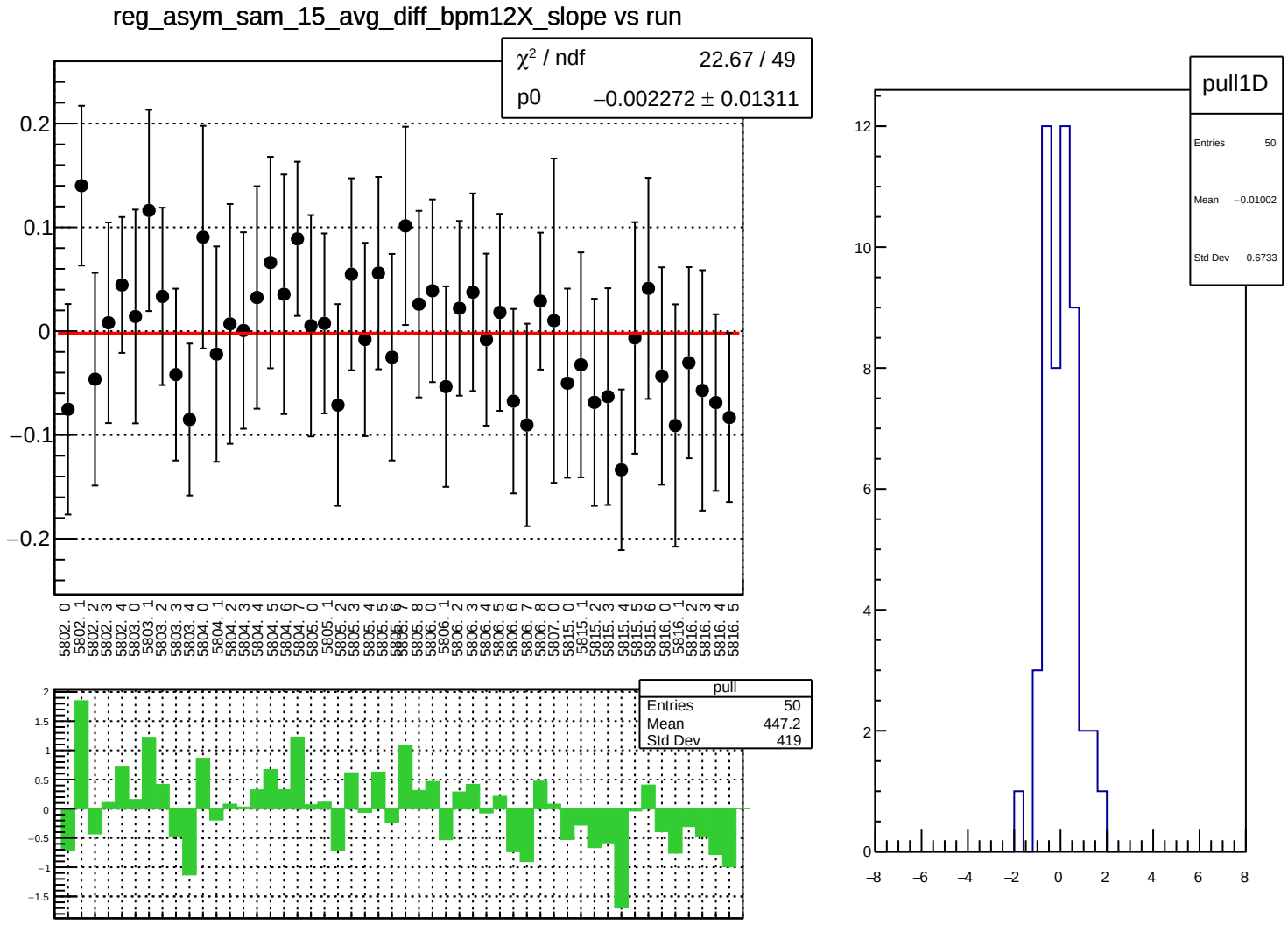

pull1D
Entries 50
Mean −0.3433
Std Dev 2.341

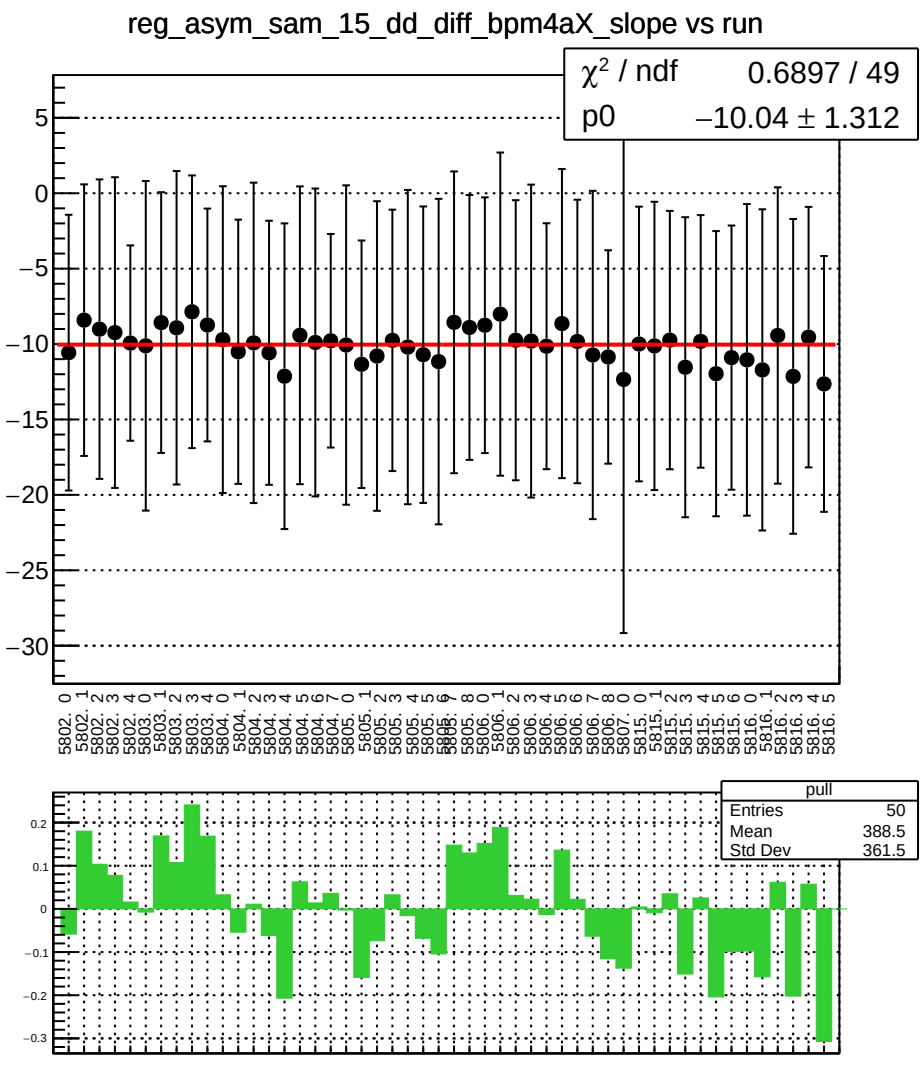

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.94 / 49
p0 6.31 ± 0.2816
pull
Entries 50
Mean 128
Std Dev 103

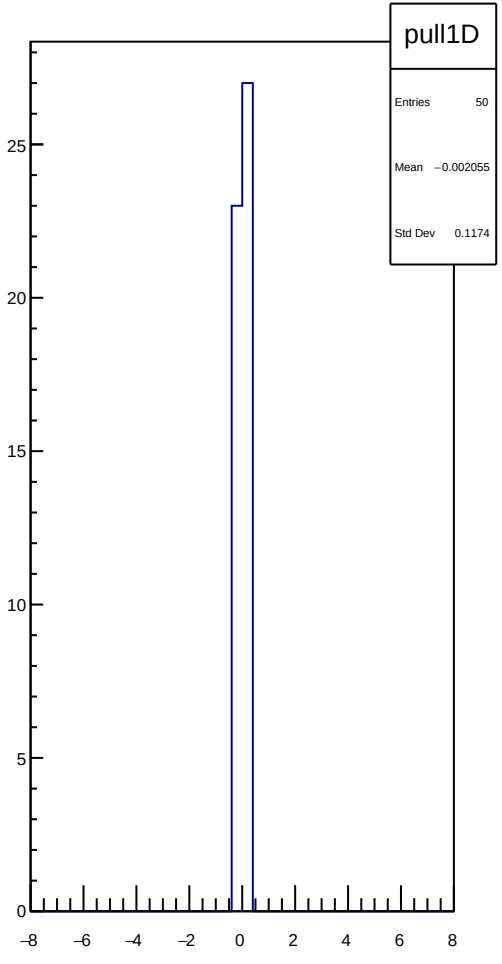

pull1D
Entries 50
Mean 0.01741
Std Dev 0.6152

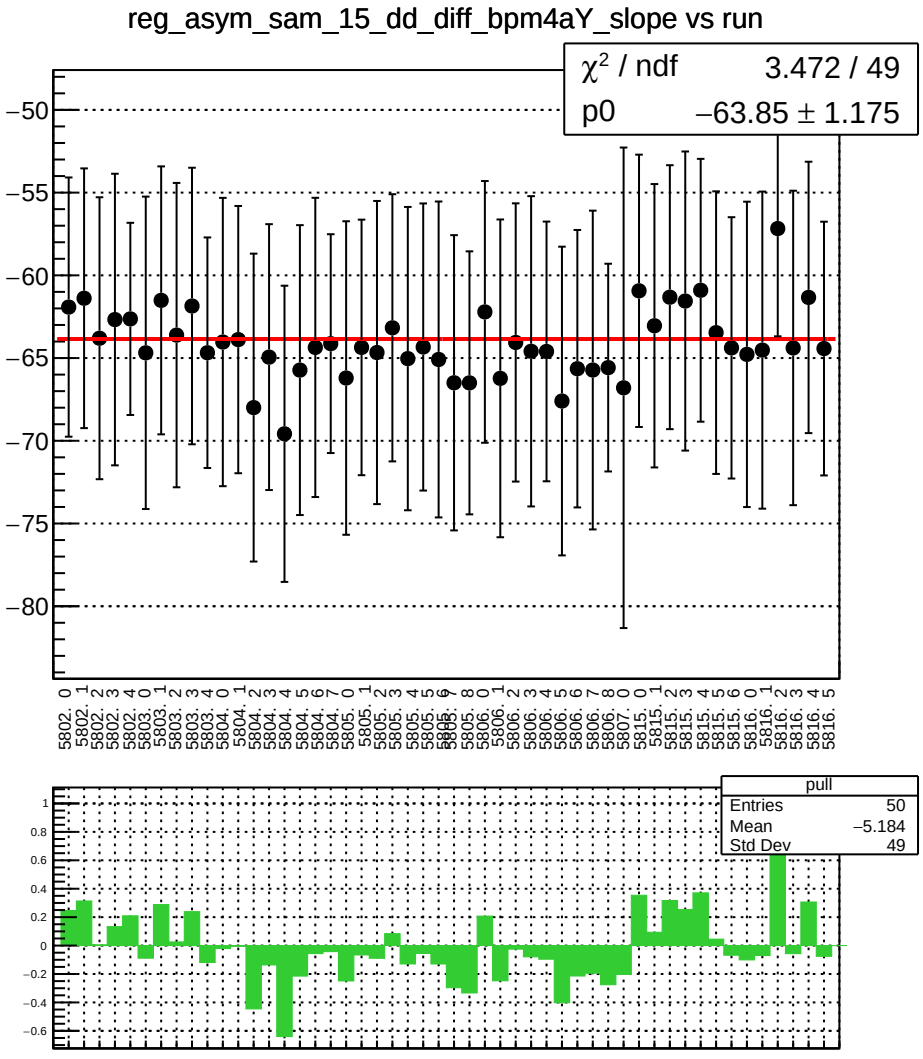

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 398.5 / 49
p0 −6.867 ± 0.2161
pull
Entries 50
Mean −5470
Std Dev 5500

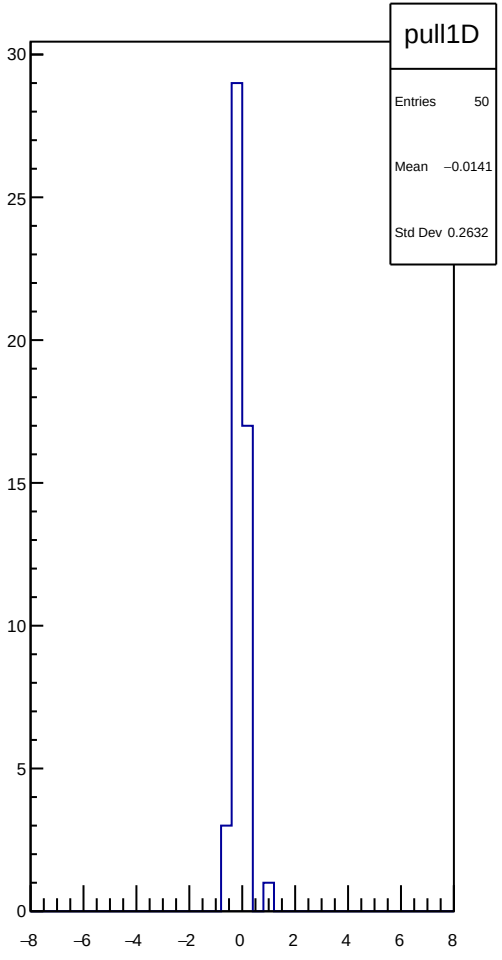

pull1D
Entries 50
Mean 0.04295
Std Dev 2.149

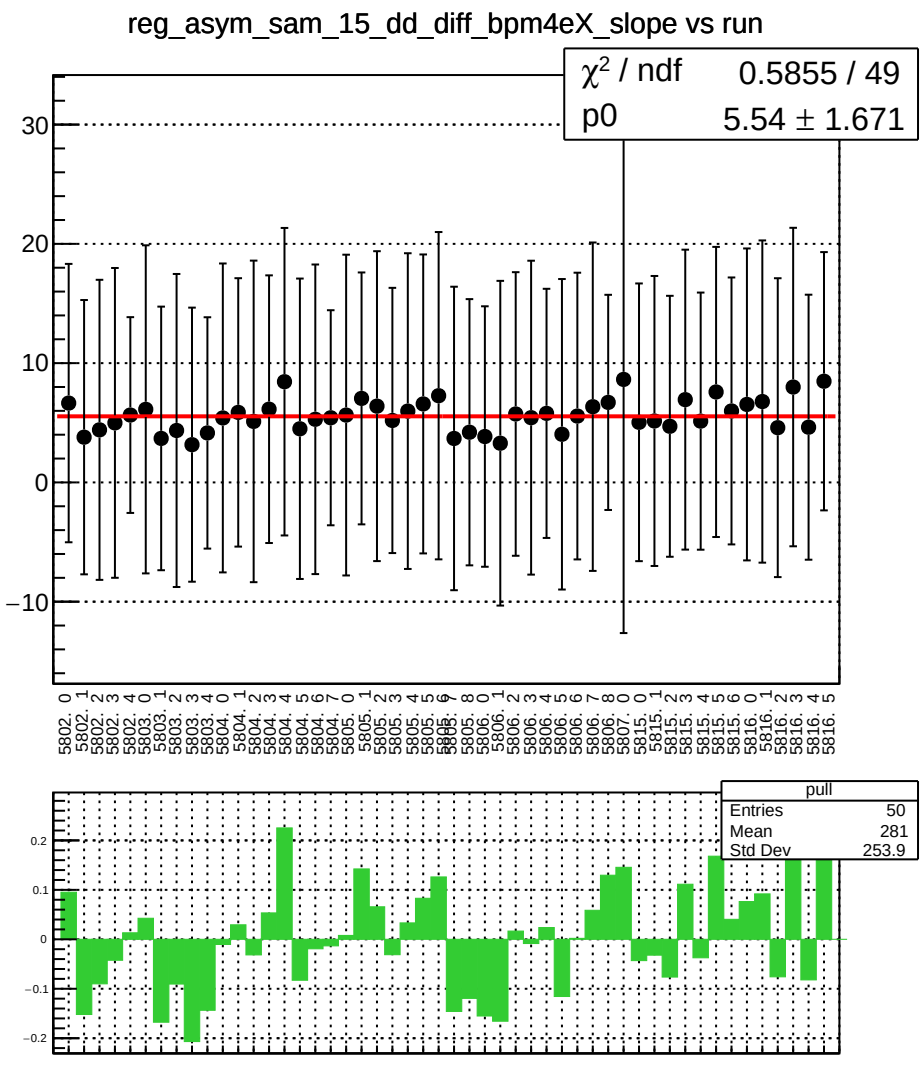

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 22.67 / 49
p0 −0.002272 ± 0.01311
pull
Entries 50
Mean 447.2
Std Dev 419
pull1D
Entries 50
Mean −0.01002
Std Dev 0.6733

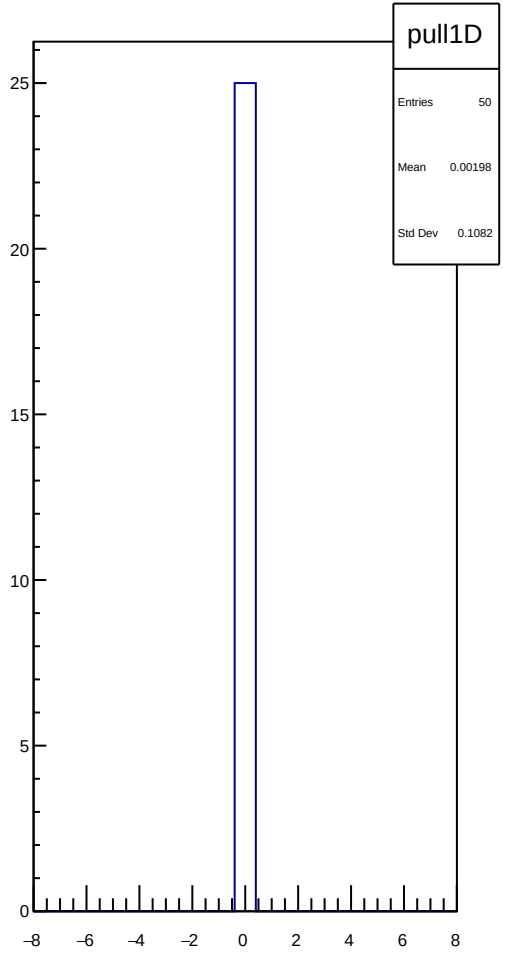

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.6897 / 49
p0 −10.04 ± 1.312
pull
Entries 50
Mean 388.5
Std Dev 361.5

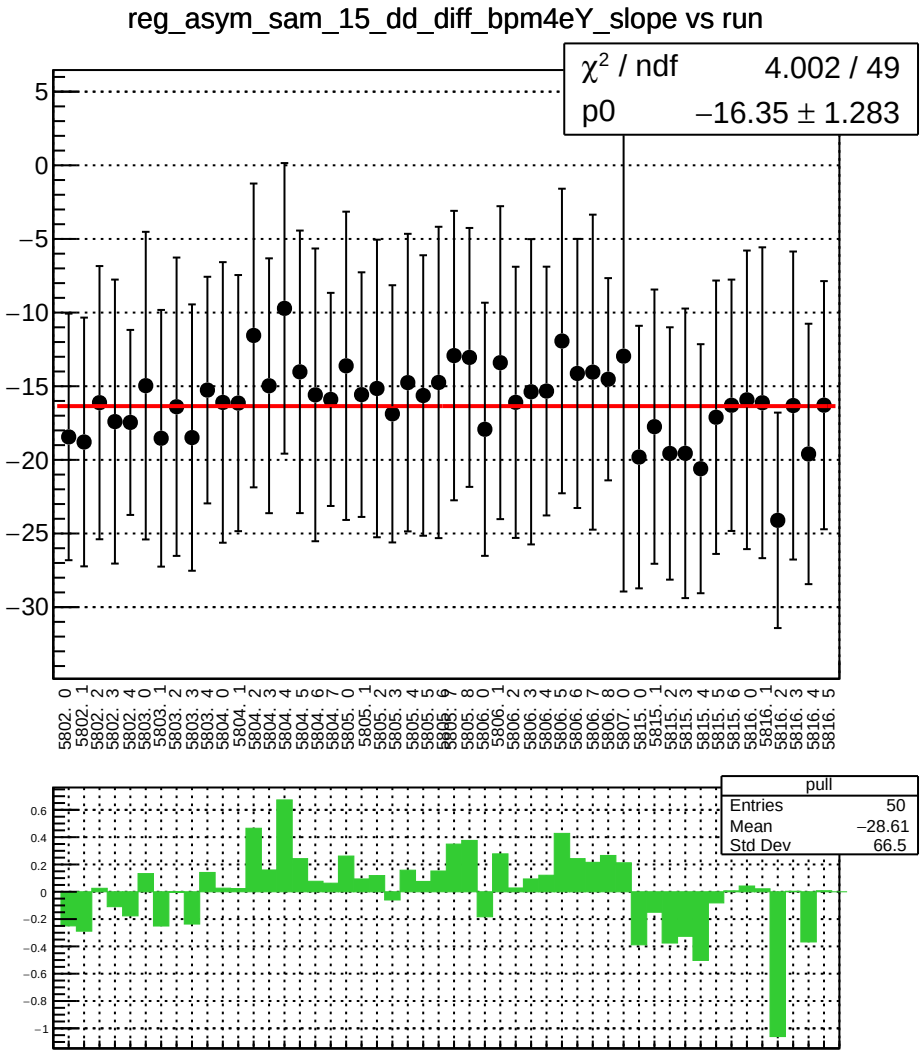

pull1D
Entries 50
Mean −0.002055
Std Dev 0.1174

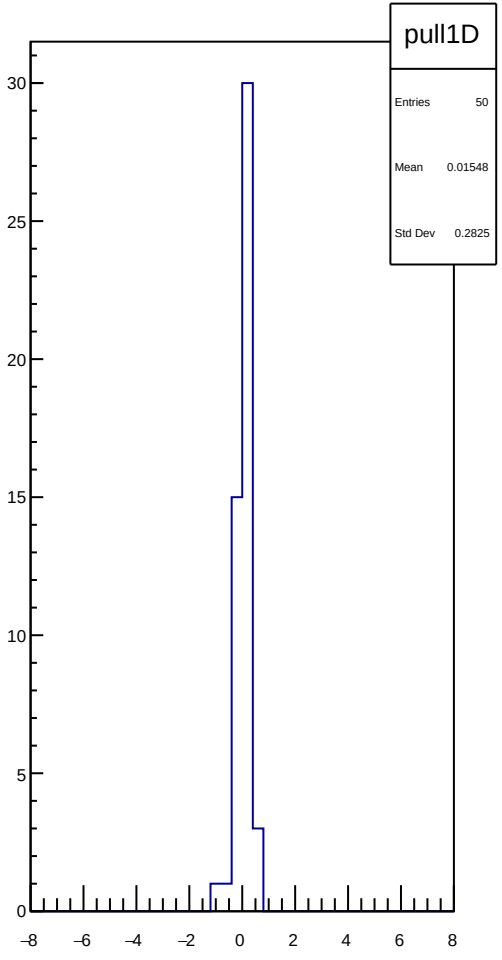

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.472 / 49
p0 −63.85 ± 1.175
pull
Entries 50
Mean −5.184
Std Dev 49

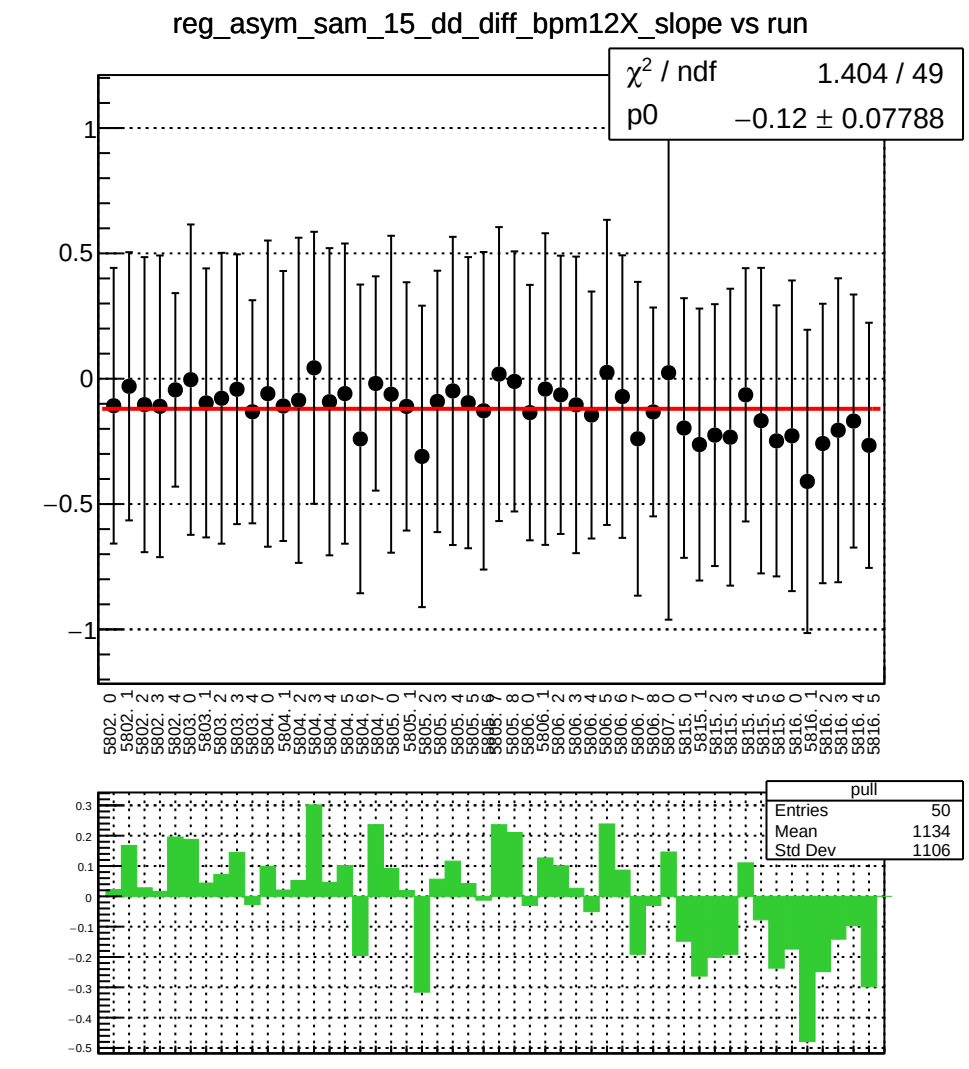

pull1D
Entries 50
Mean −0.0141
Std Dev 0.2632

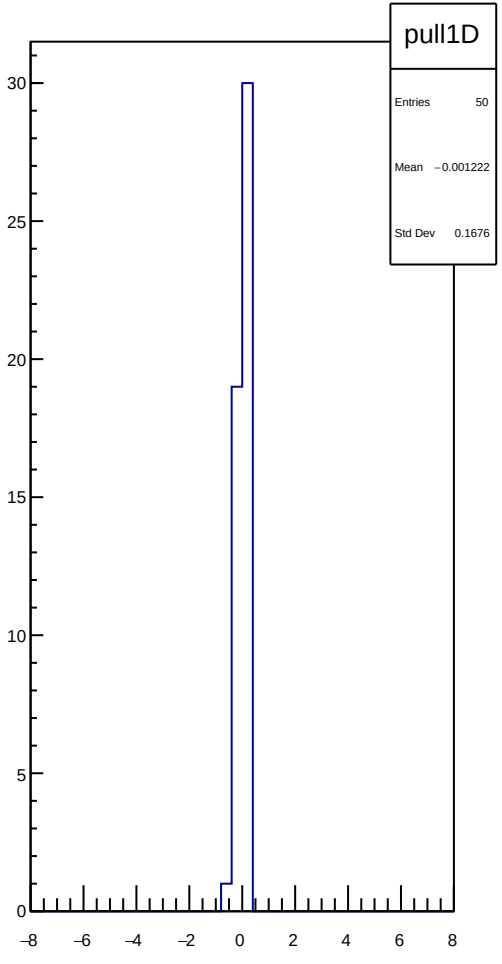

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5855 / 49
p0 5.54 ± 1.671
30
20
10
0
−10
pull
Entries 50
Mean 281
Std Dev 253.9
0.2
0.1
0
−0.1
−0.2

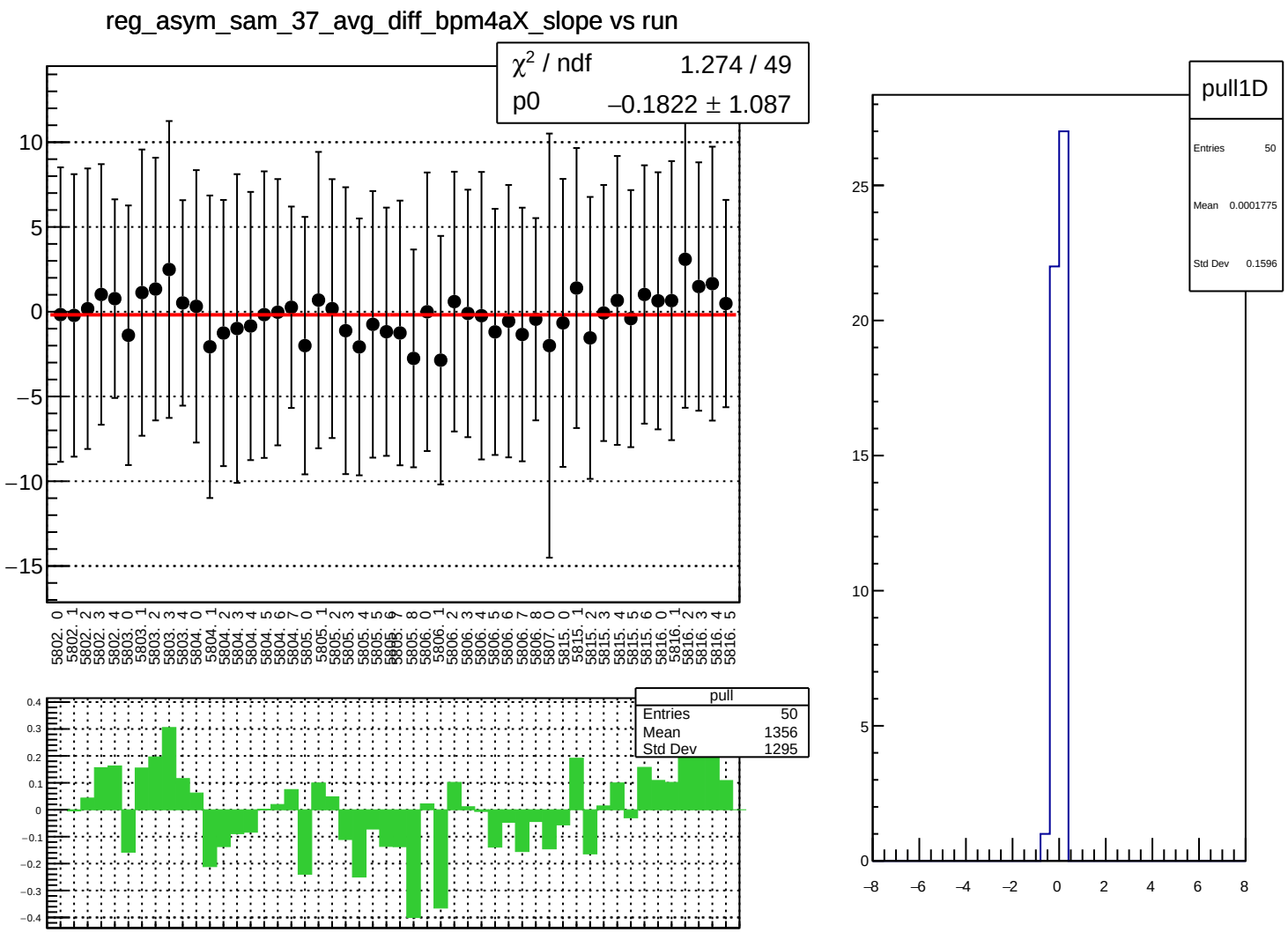

pull1D
Entries 50
Mean 0.00198
Std Dev 0.1082
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

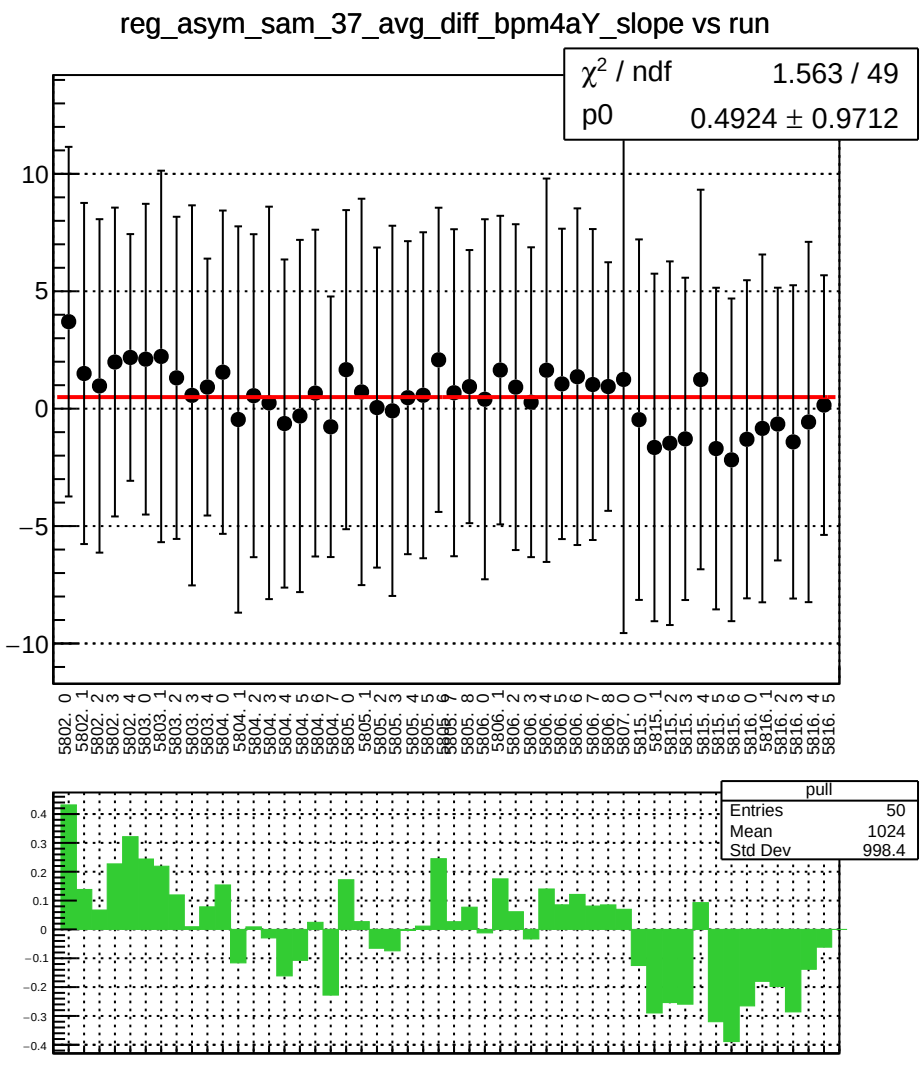

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.002 / 49
p0 −16.35 ± 1.283
pull
Entries 50
Mean −28.61
Std Dev 66.5

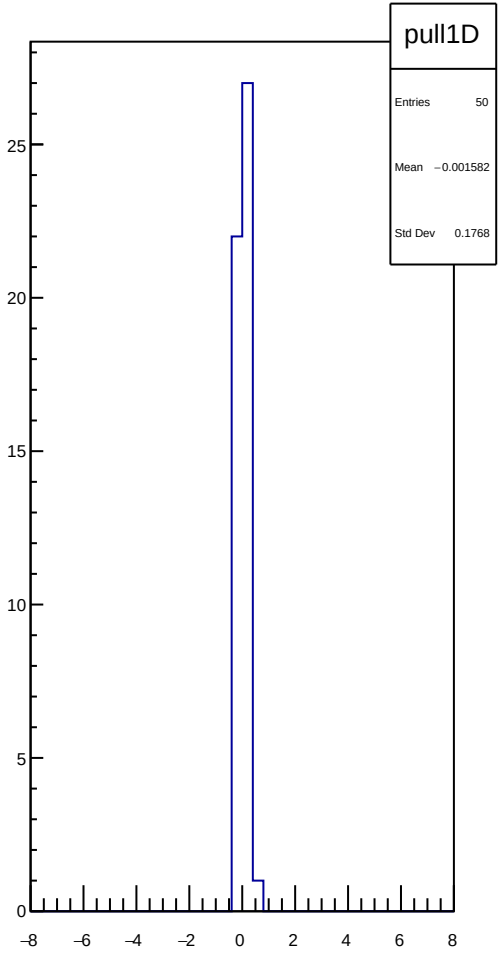

pull1D
Entries 50
Mean 0.01548
Std Dev 0.2825

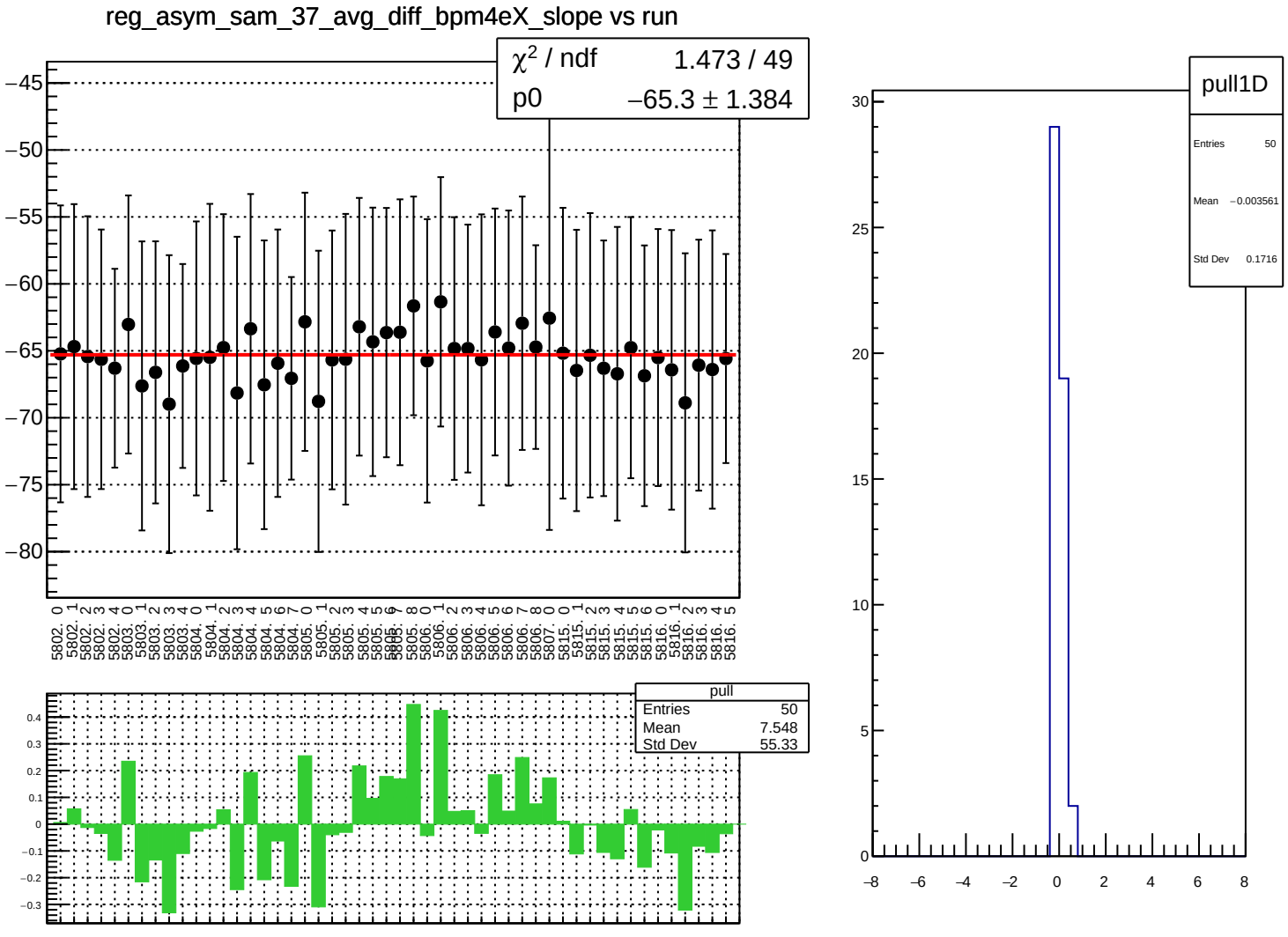

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 1.404 / 49
p0 −0.12 ± 0.07788
pull
Entries 50
Mean 1134
Std Dev 1106

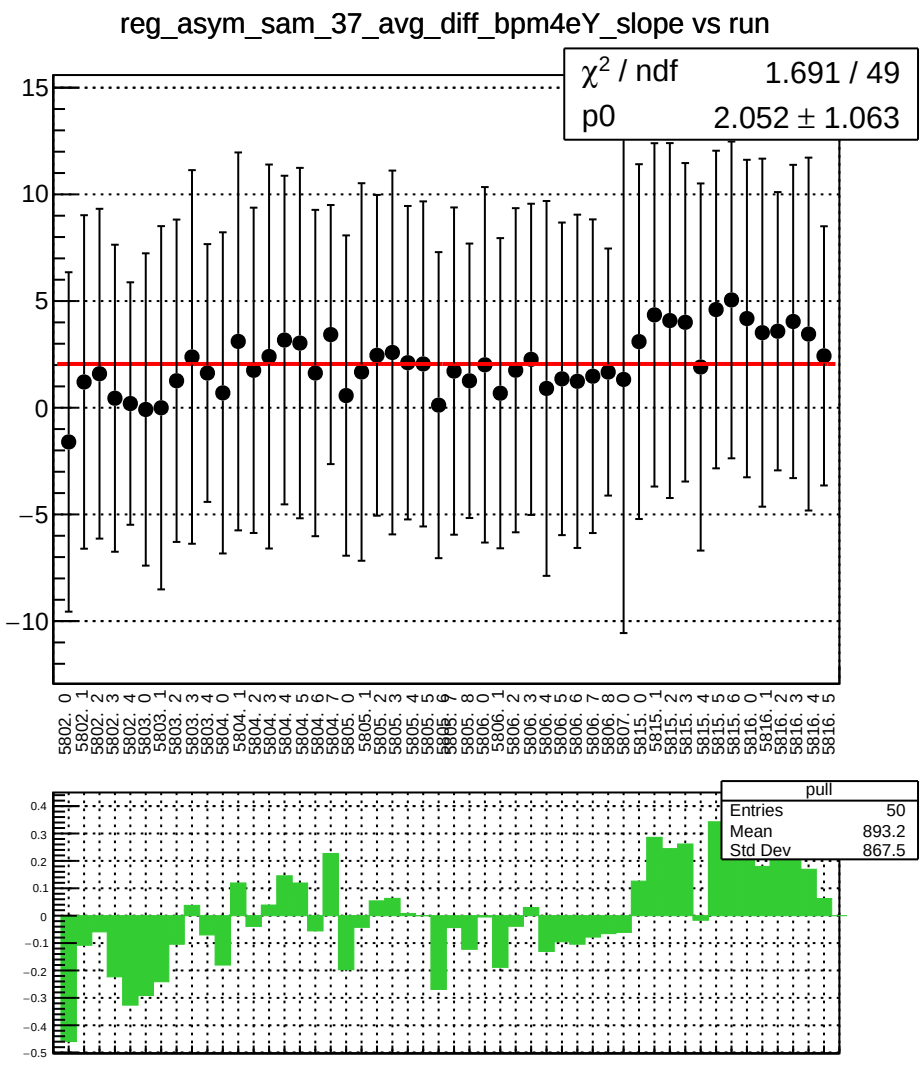

pull1D
Entries 50
Mean −0.001222
Std Dev 0.1676

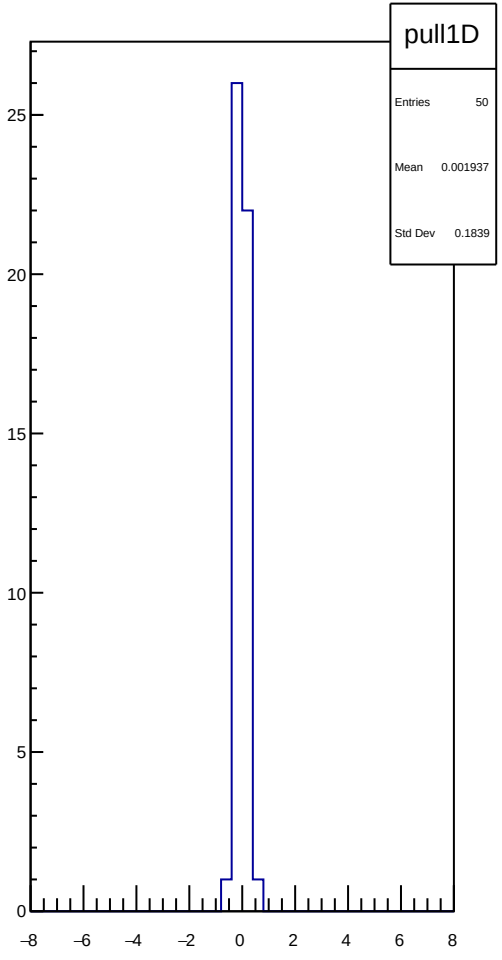

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.274 / 49
p0 −0.1822 ± 1.087
pull
Entries 50
Mean 1356
Std Dev 1295
pull1D
Entries 50
Mean 0.0001775
Std Dev 0.1596

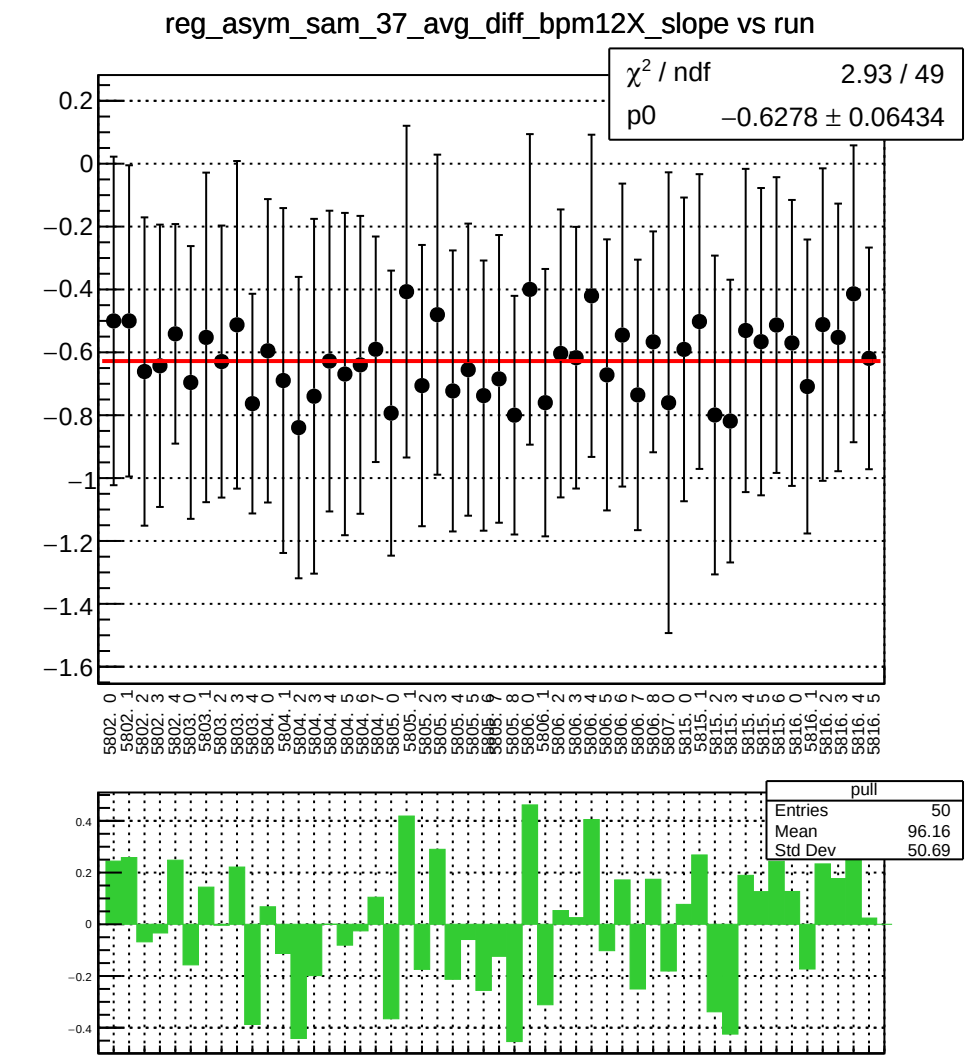

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.563 / 49
p0 0.4924 ± 0.9712
pull
Entries 50
Mean 1024
Std Dev 998.4

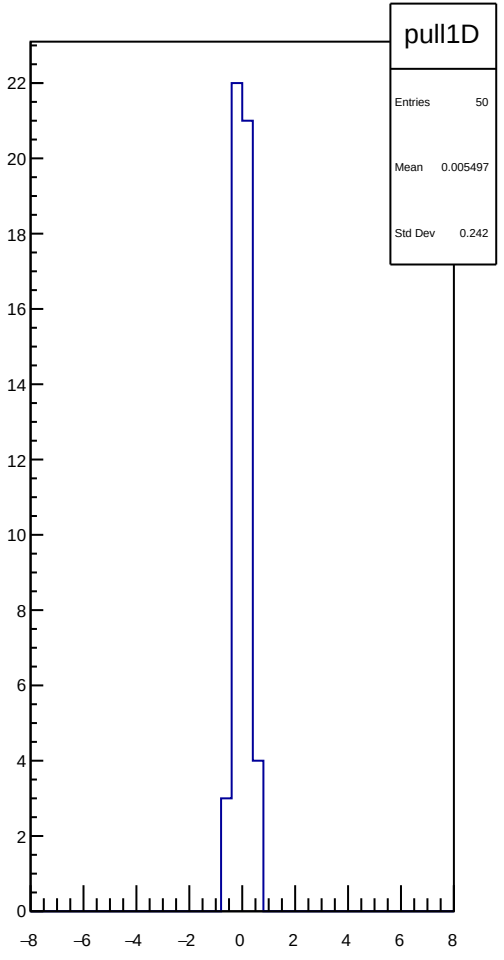

pull1D
Entries 50
Mean −0.001582
Std Dev 0.1768

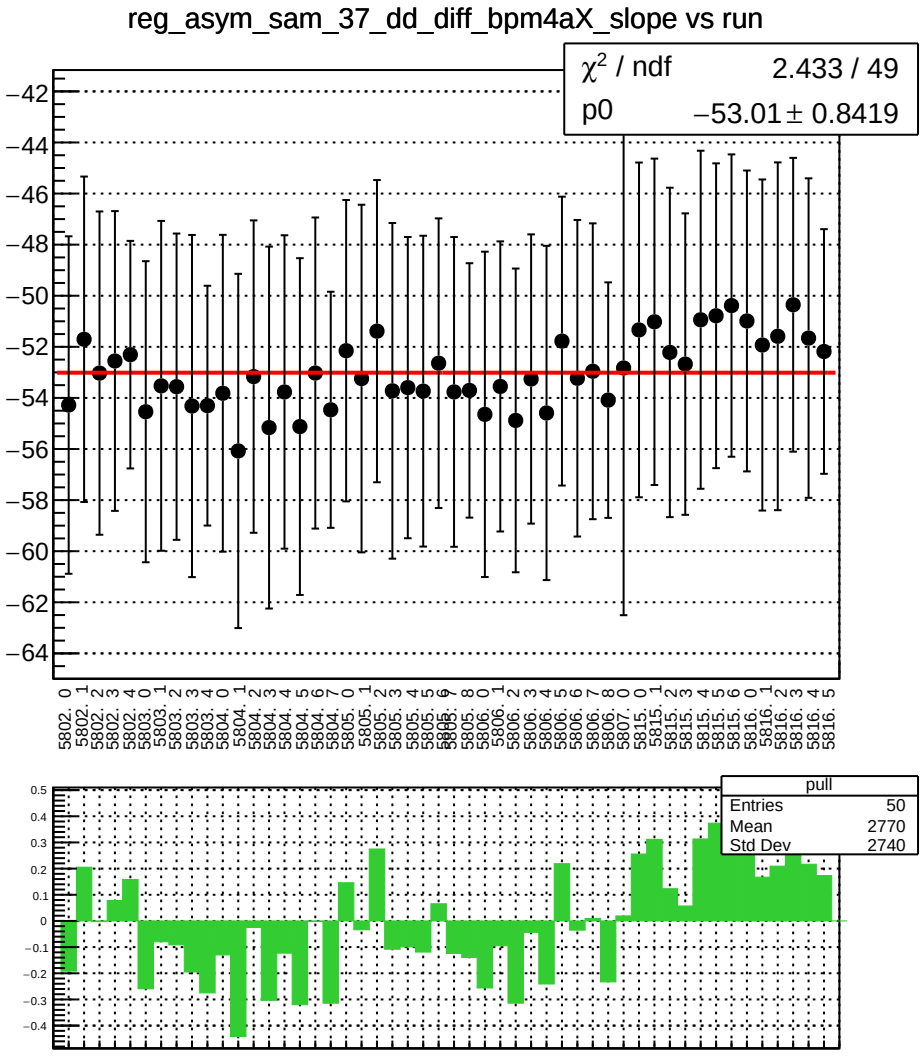

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.473 / 49
p0 −65.3 ± 1.384
pull
Entries 50
Mean 7.548
Std Dev 55.33
pull1D
Entries 50
Mean −0.003561
Std Dev 0.1716

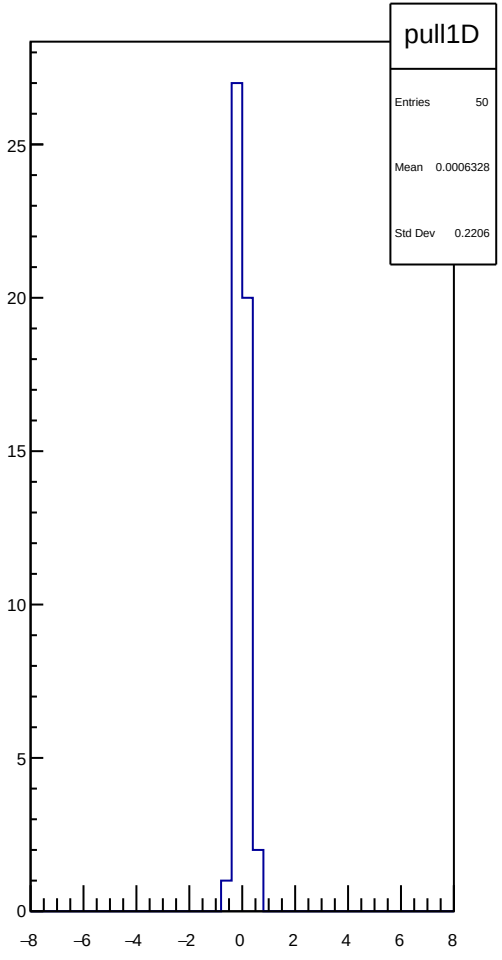

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.691 / 49
p0 2.052 ± 1.063
pull
Entries 50
Mean 893.2
Std Dev 867.5

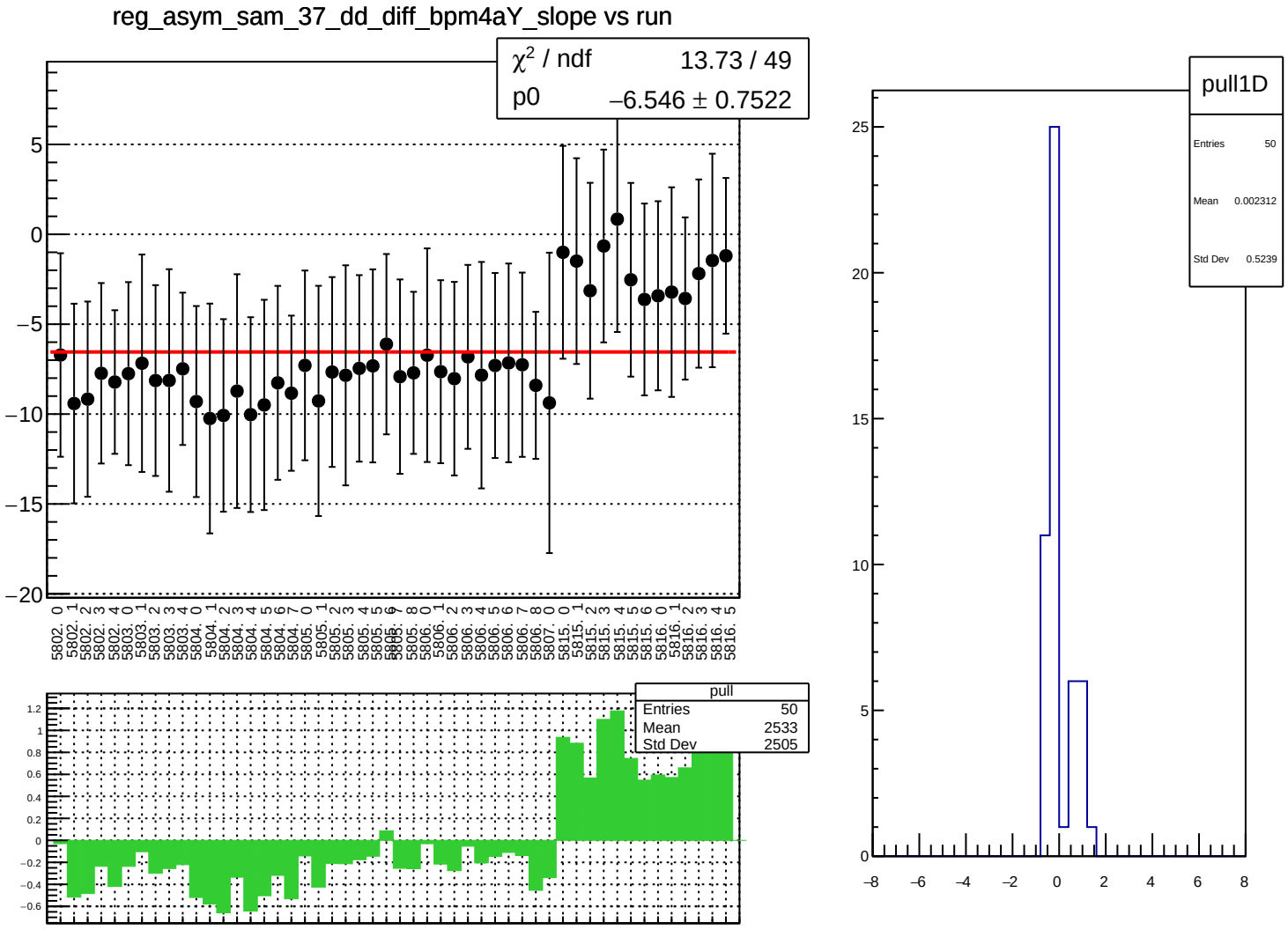

pull1D
Entries 50
Mean 0.001937
Std Dev 0.1839

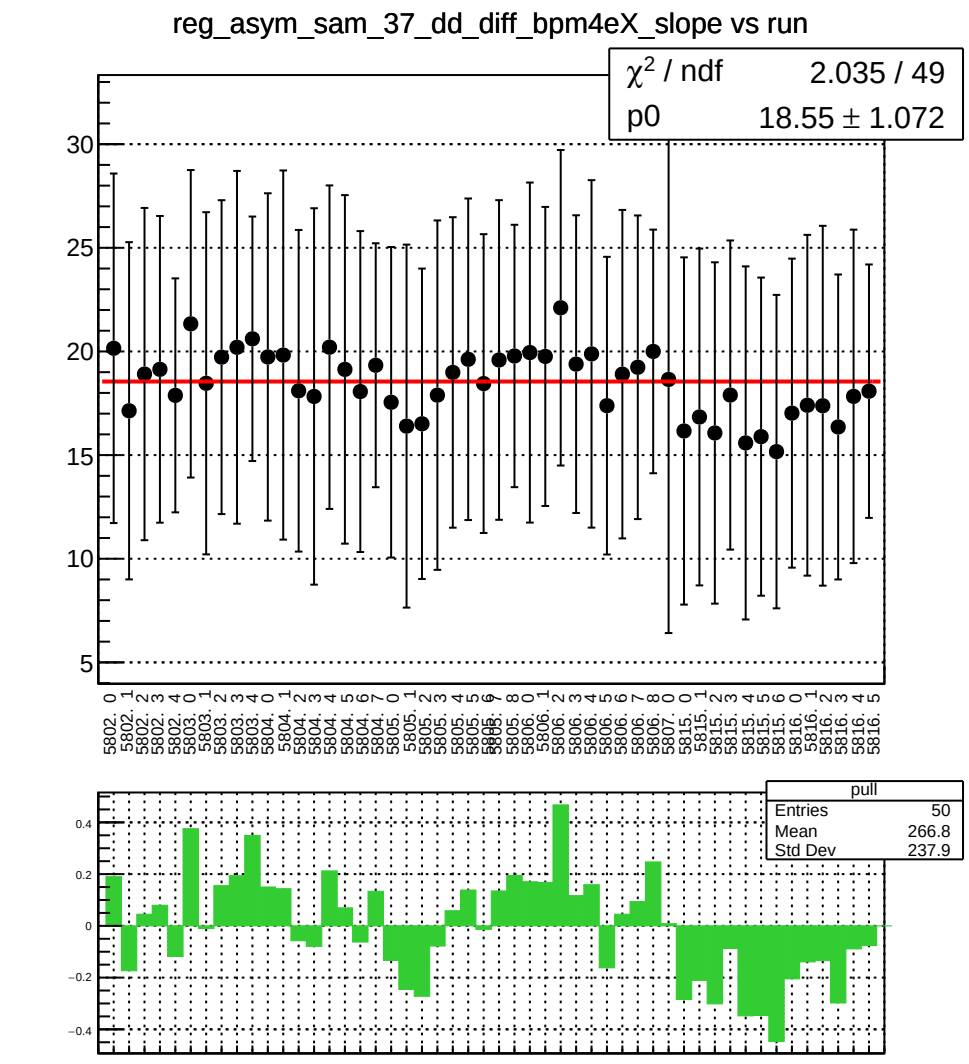

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.93 / 49
p0 −0.6278 ± 0.06434
pull
Entries 50
Mean 96.16
Std Dev 50.69

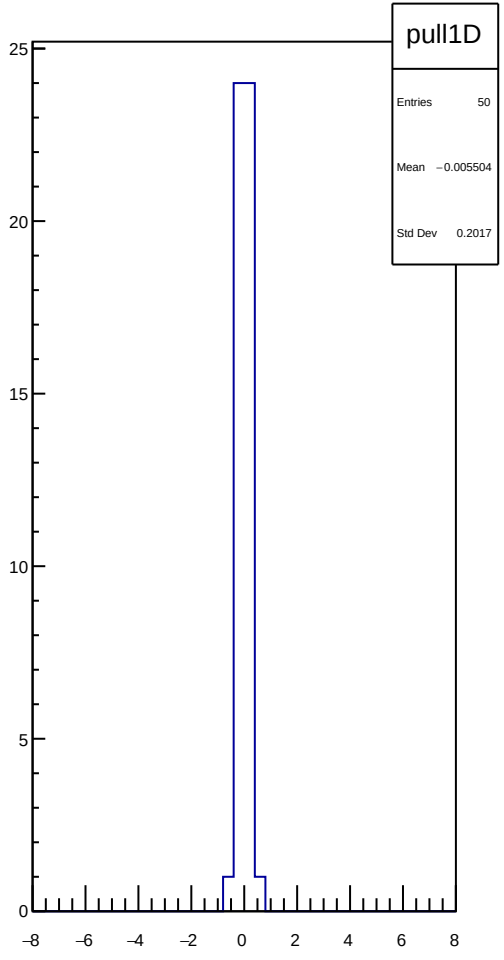

pull1D
Entries 50
Mean 0.005497
Std Dev 0.242

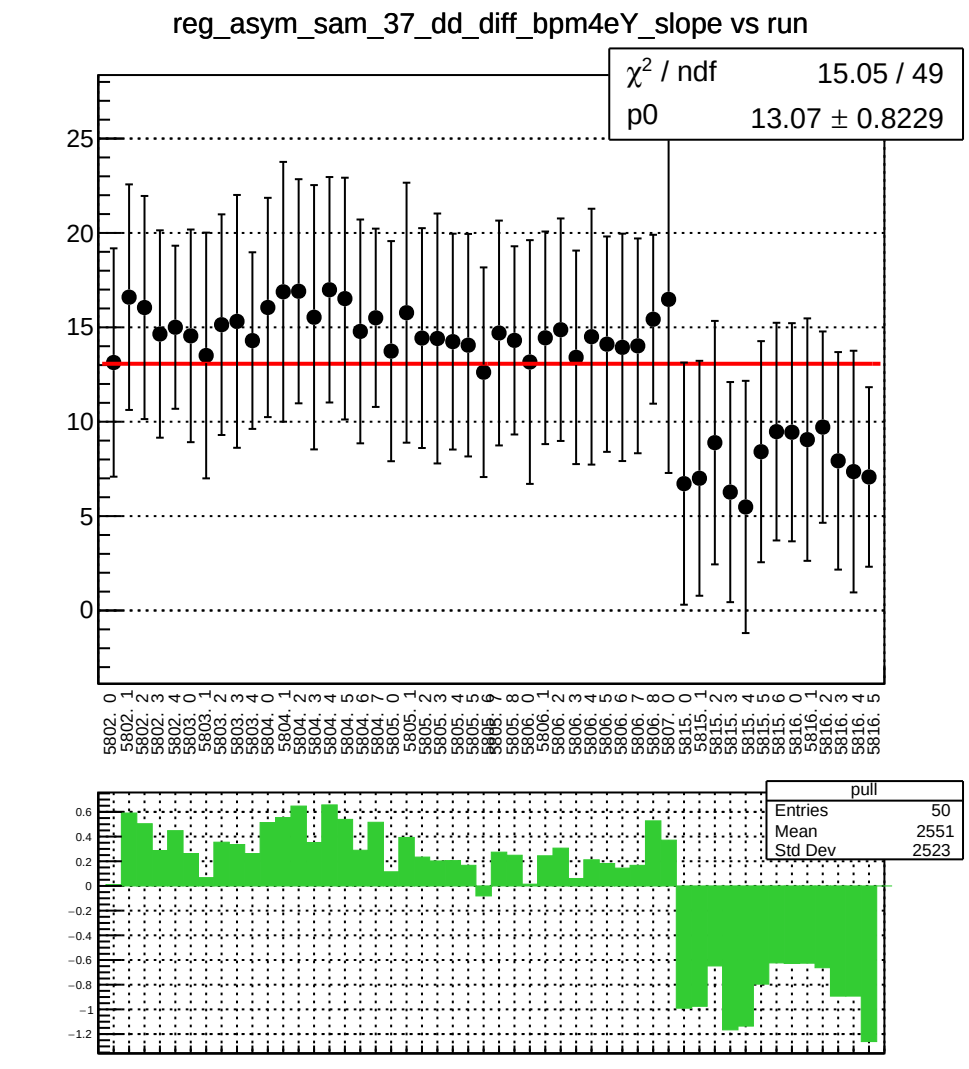

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.433 / 49
p0 −53.01 ± 0.8419
pull
Entries 50
Mean 2770
Std Dev 2740

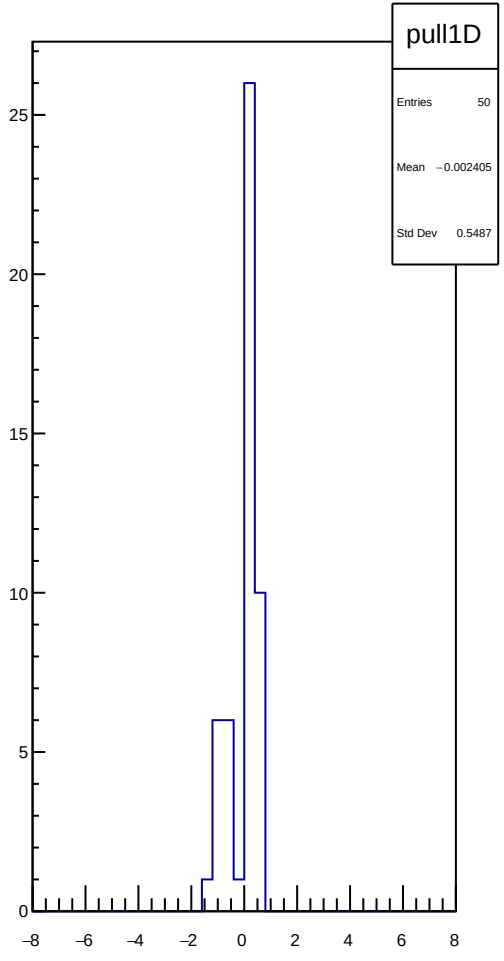

pull1D
Entries 50
Mean 0.0006328
Std Dev 0.2206

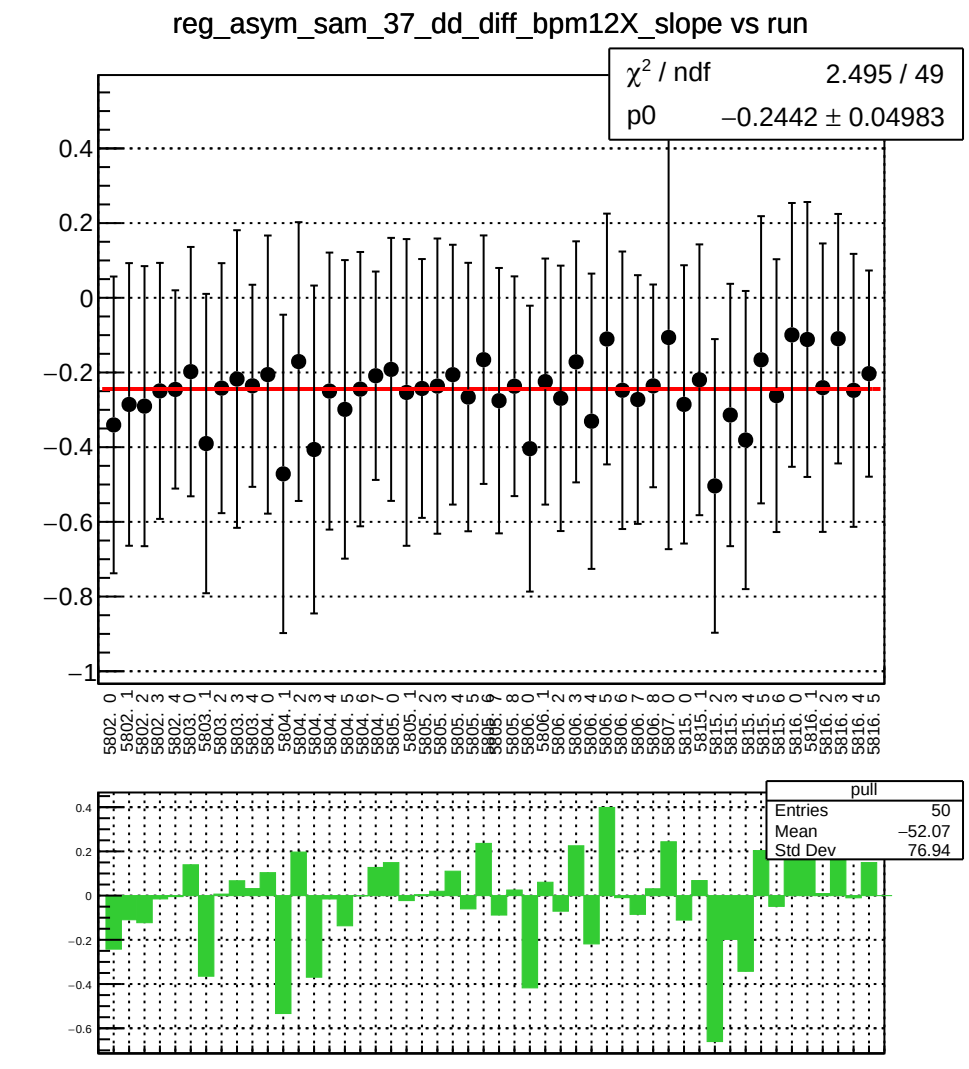

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.73 / 49
p0 −6.546 ± 0.7522
pull
Entries 50
Mean 2533
Std Dev 2505
pull1D
Entries 50
Mean 0.002312
Std Dev 0.5239

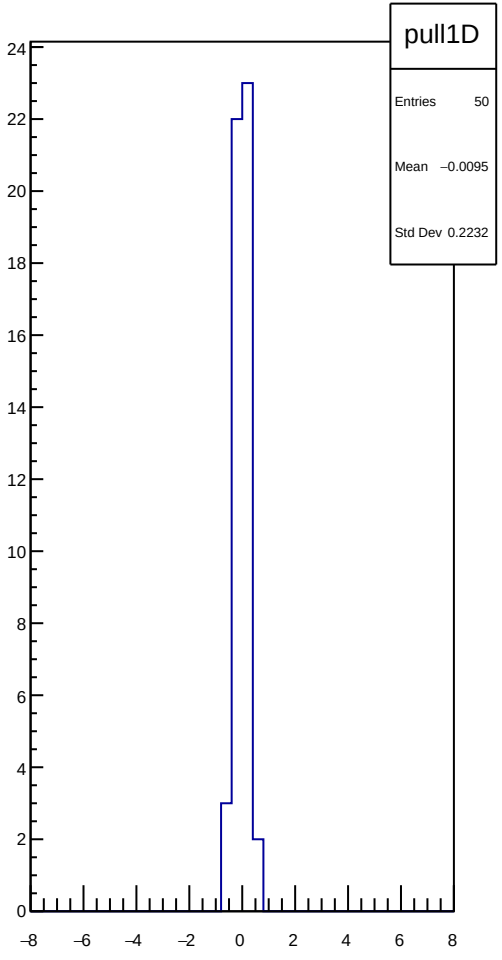

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.035 / 49
p0 18.55 ± 1.072
pull
Entries 50
Mean 266.8
Std Dev 237.9

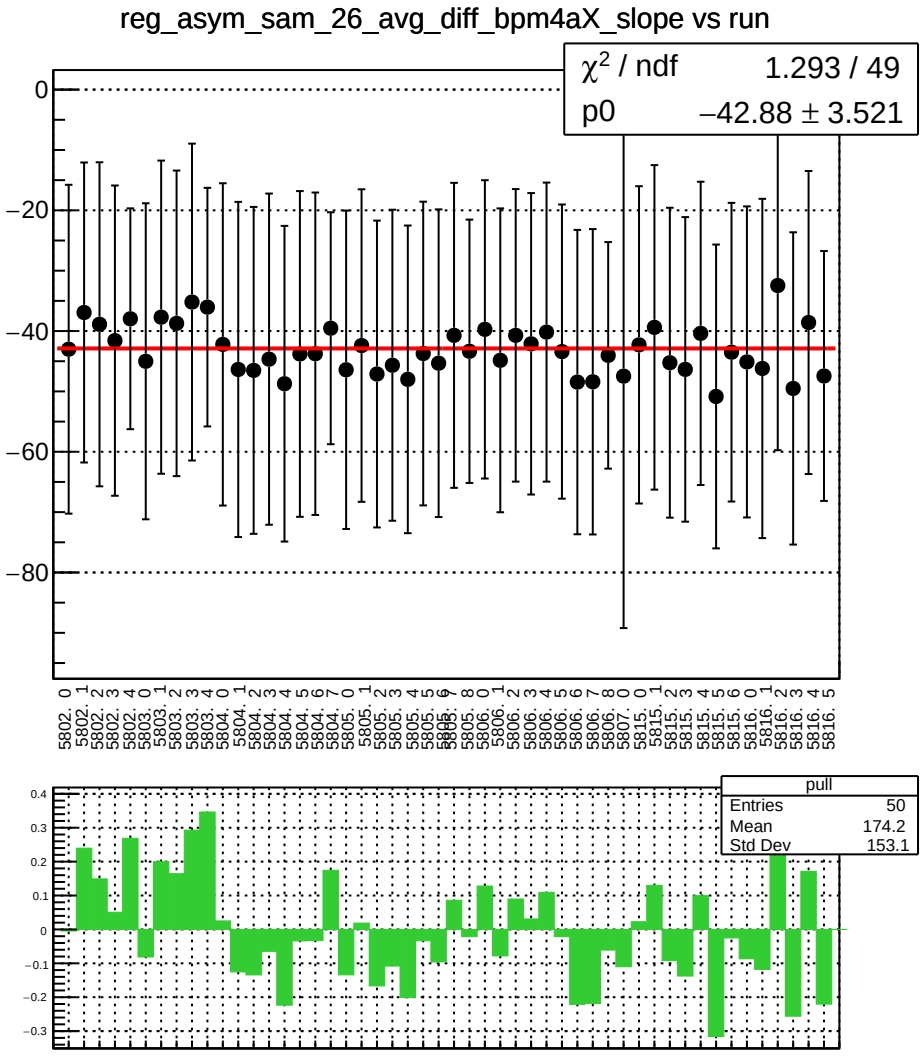

pull1D
Entries 50
Mean −0.005504
Std Dev 0.2017

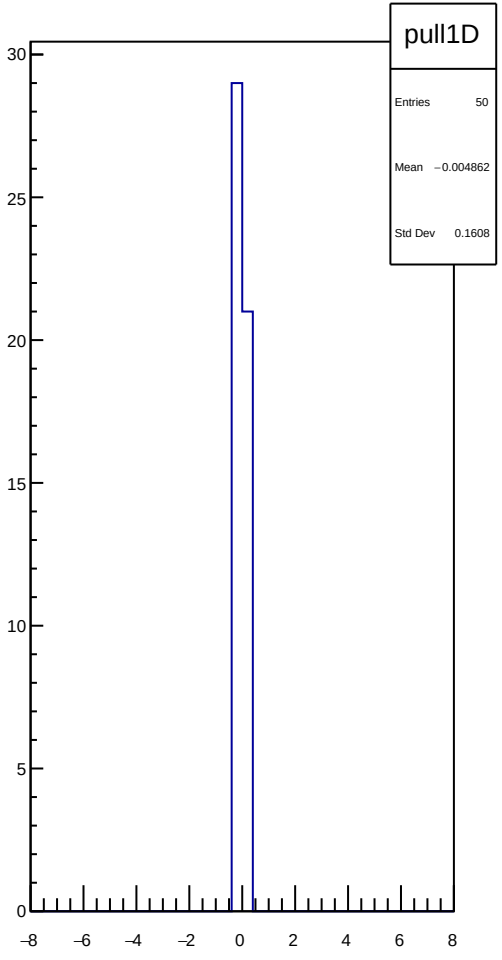

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.05 / 49
p0 13.07 ± 0.8229
pull
Entries 50
Mean 2551
Std Dev 2523

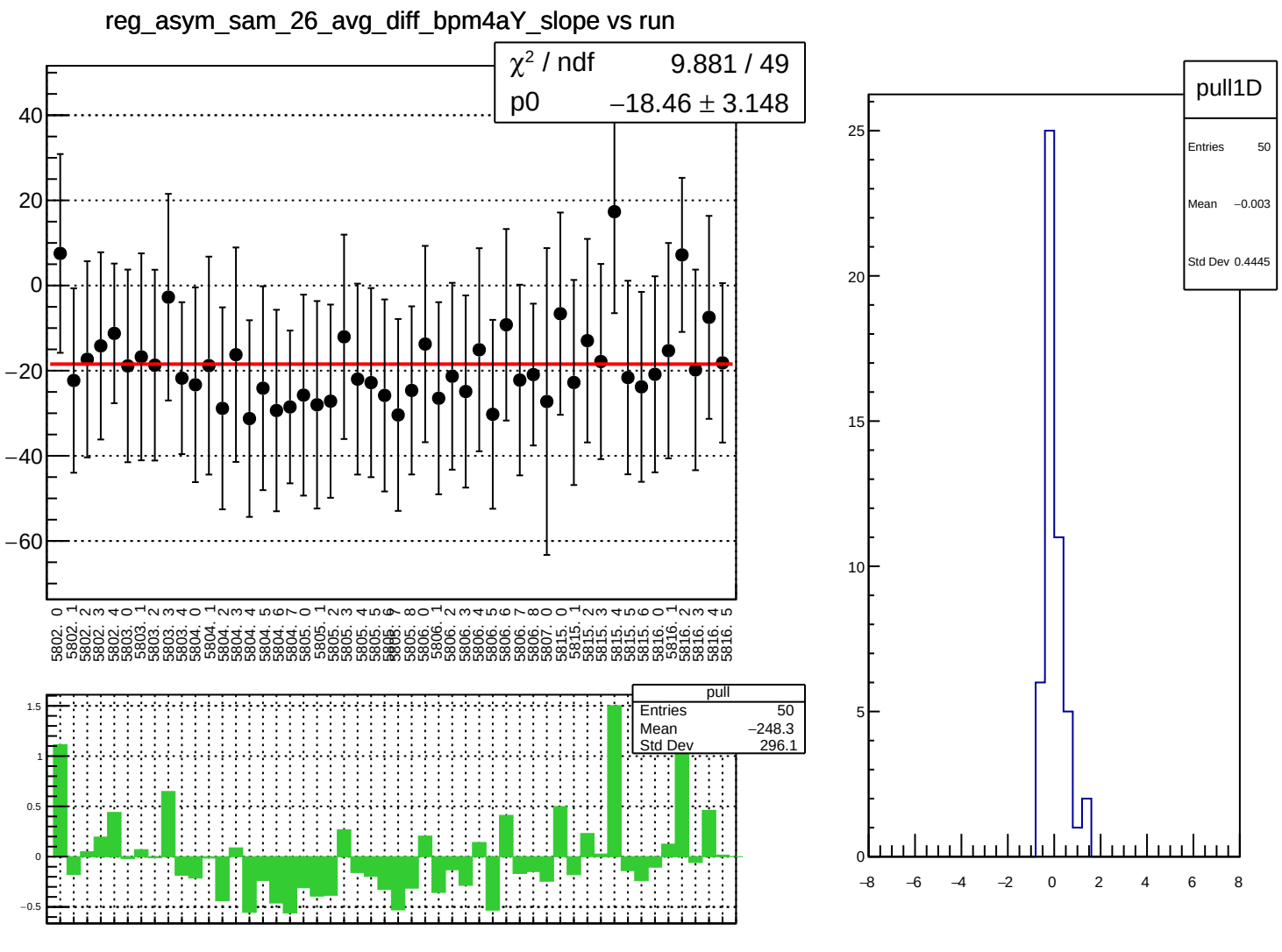

pull1D
Entries 50
Mean −0.002405
Std Dev 0.5487

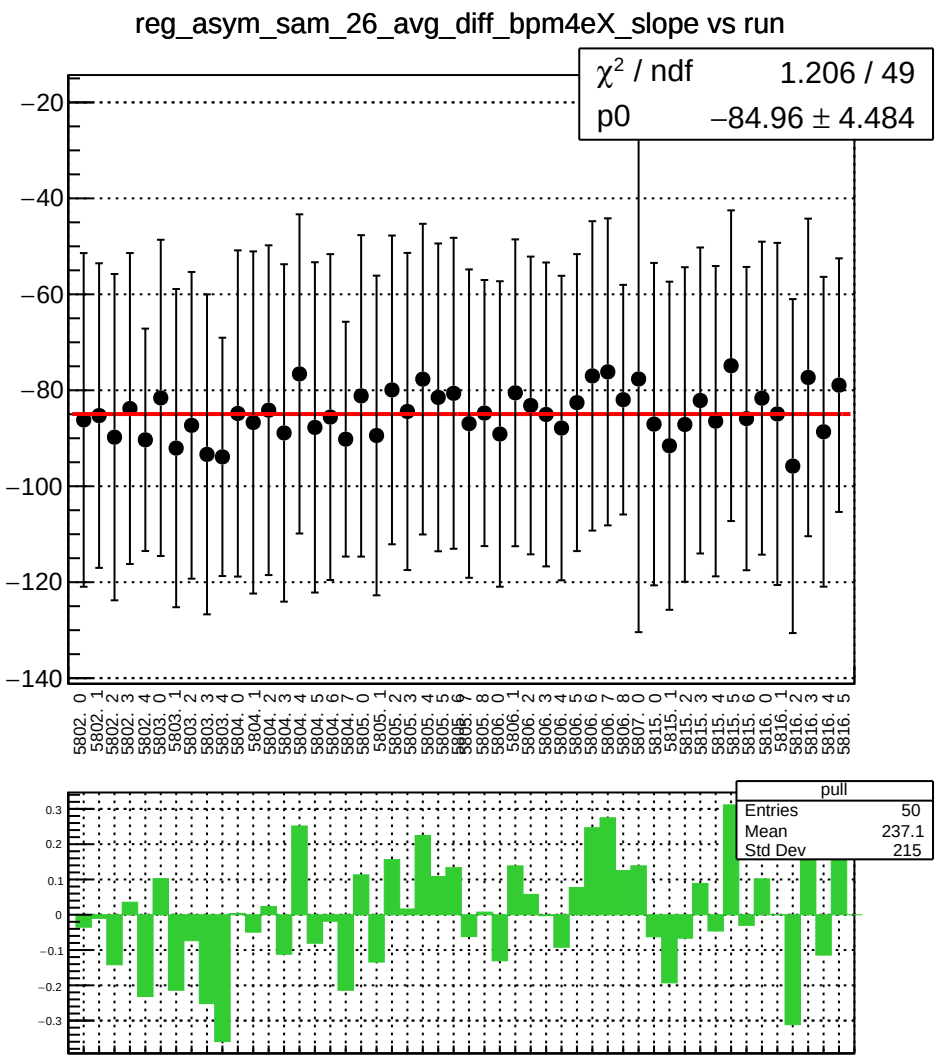

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.495 / 49
p0 −0.2442 ± 0.04983
pull
Entries 50
Mean −52.07
Std Dev 76.94

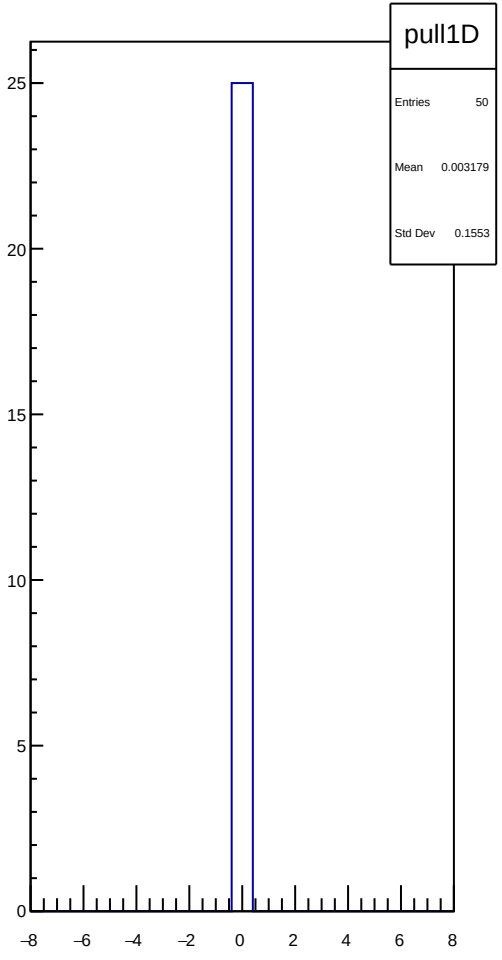

pull1D
Entries 50
Mean −0.0095
Std Dev 0.2232

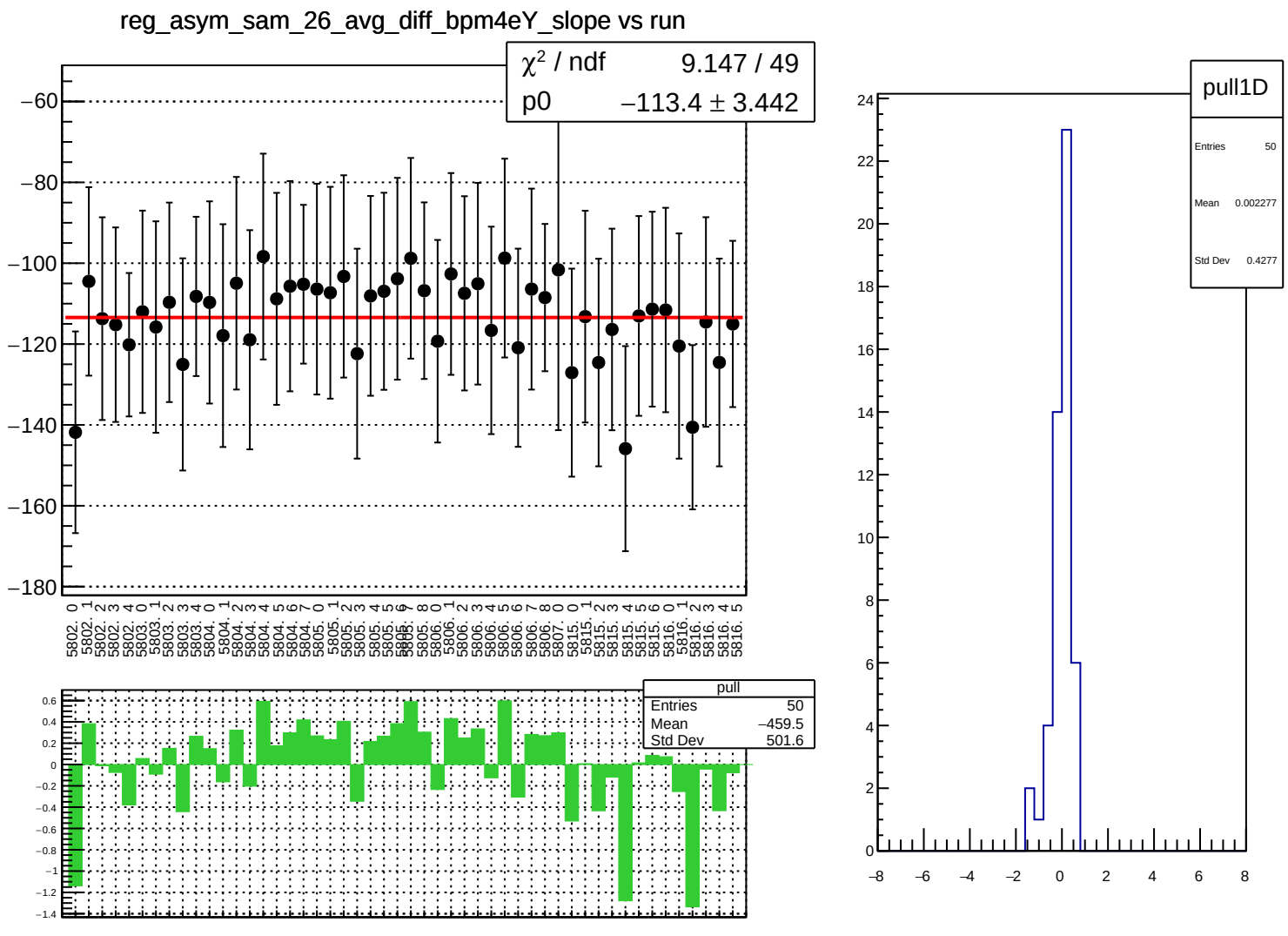

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.293 / 49
p0 −42.88 ± 3.521
pull
Entries 50
Mean 174.2
Std Dev 153.1

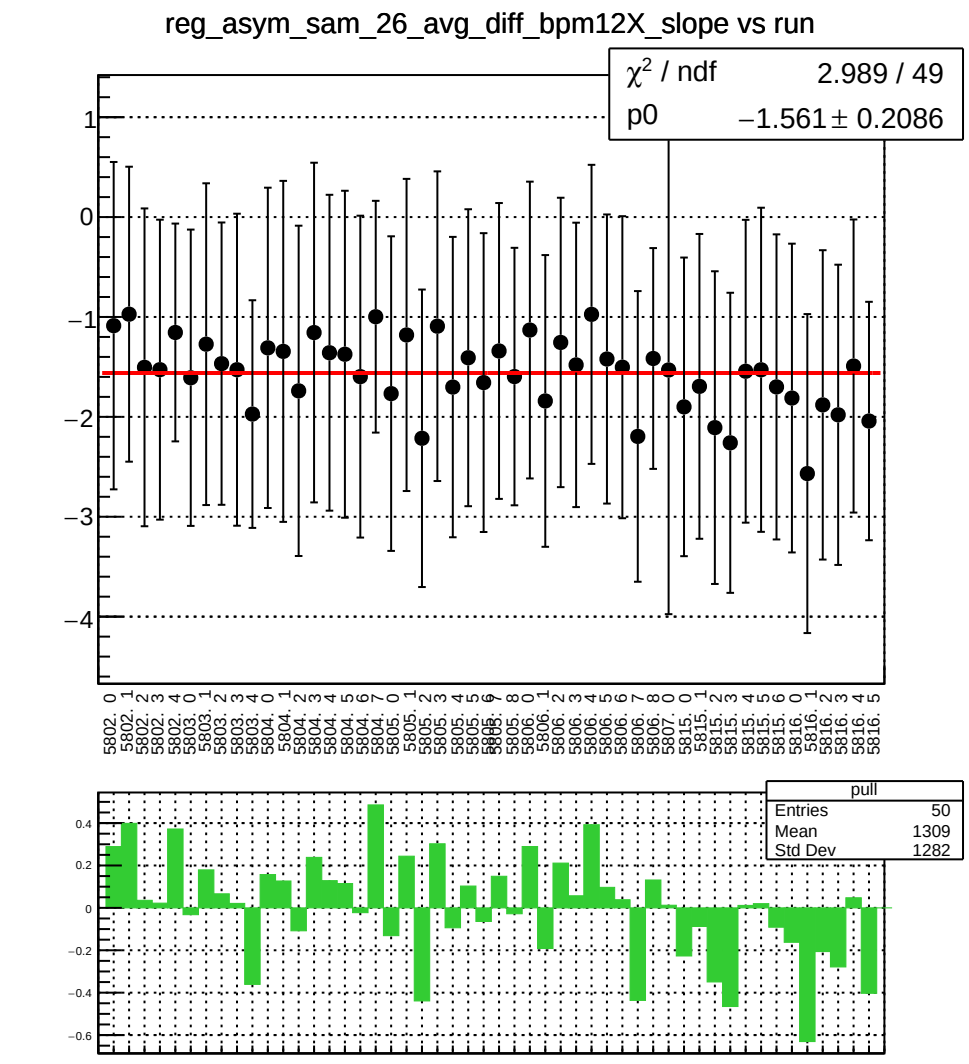

pull1D
Entries 50
Mean −0.004862
Std Dev 0.1608

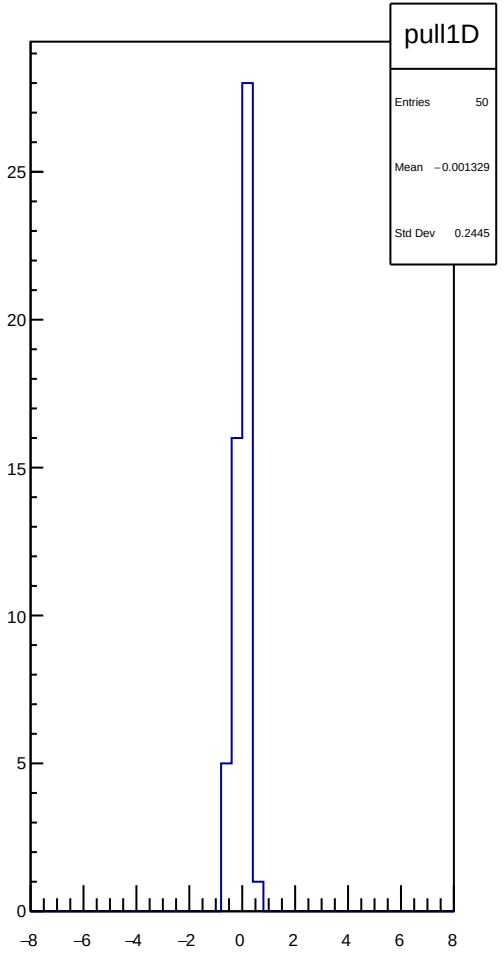

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.881 / 49
p0 −18.46 ± 3.148
pull
Entries 50
Mean −248.3
Std Dev 296.1
pull1D
Entries 50
Mean −0.003
Std Dev 0.4445

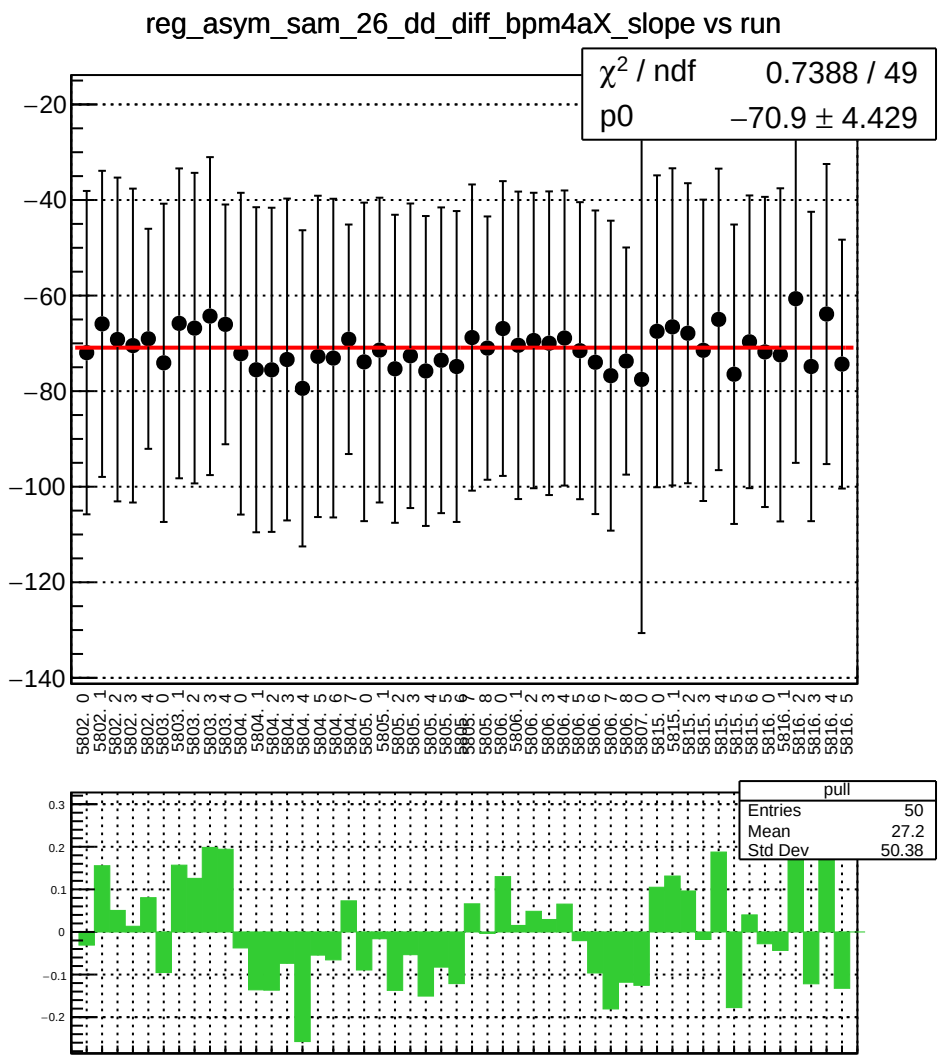

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.206 / 49
p0 −84.96 ± 4.484
pull
Entries 50
Mean 237.1
Std Dev 215

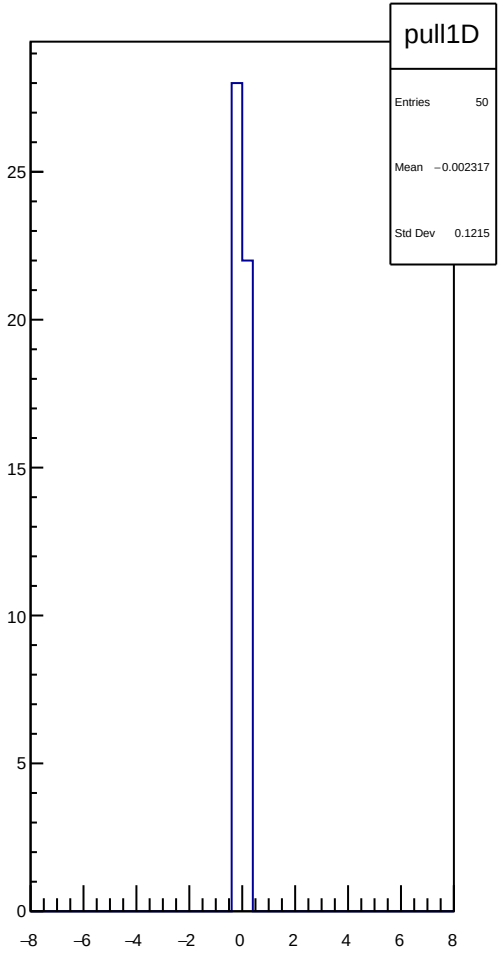

pull1D
Entries 50
Mean 0.003179
Std Dev 0.1553

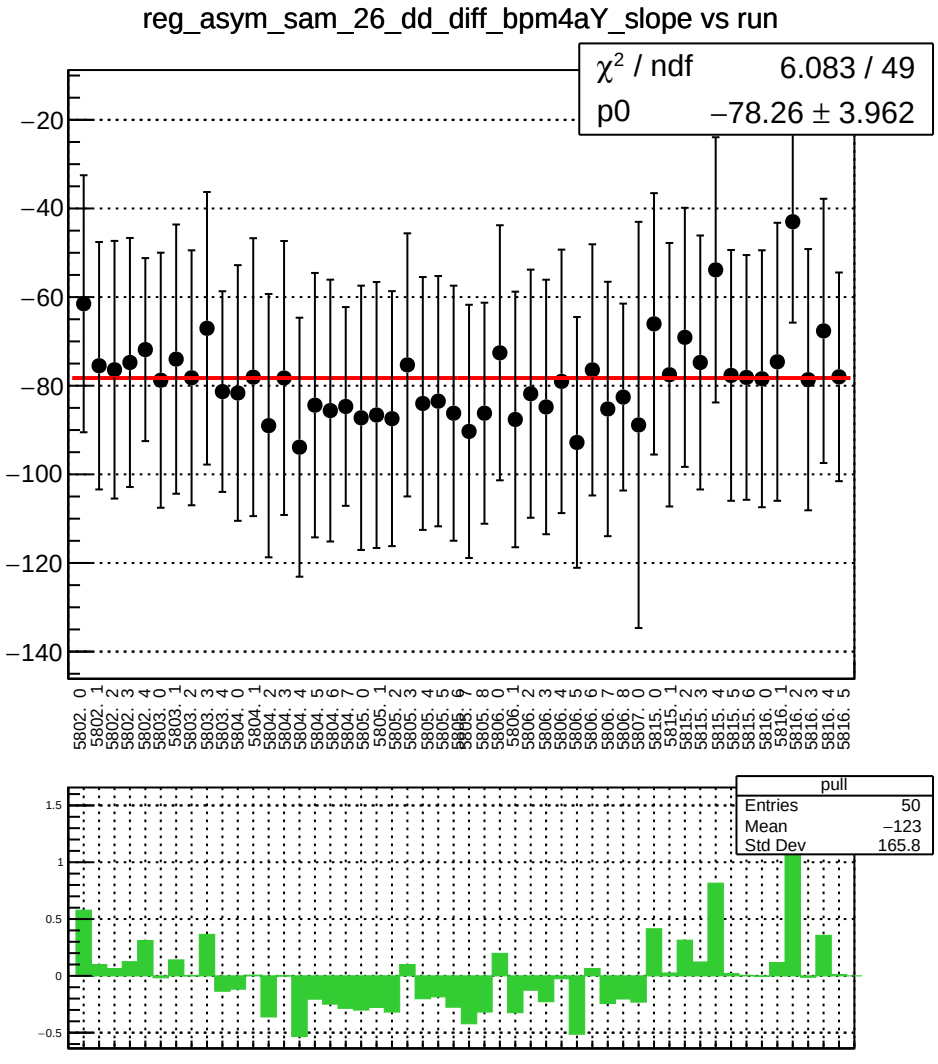

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.147 / 49
p0 −113.4 ± 3.442
pull
Entries 50
Mean −459.5
Std Dev 501.6
pull1D
Entries 50
Mean 0.002277
Std Dev 0.4277

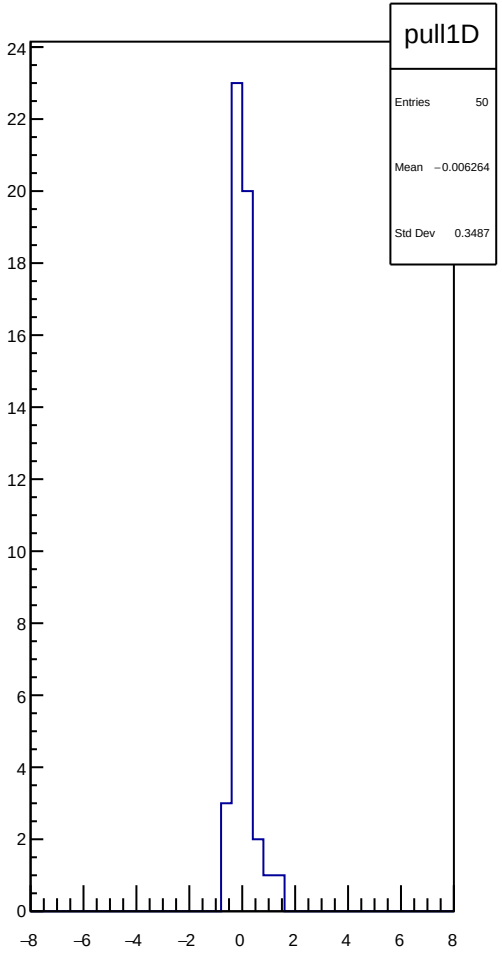

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 2.989 / 49
p0 −1.561 ± 0.2086
pull
Entries 50
Mean 1309
Std Dev 1282

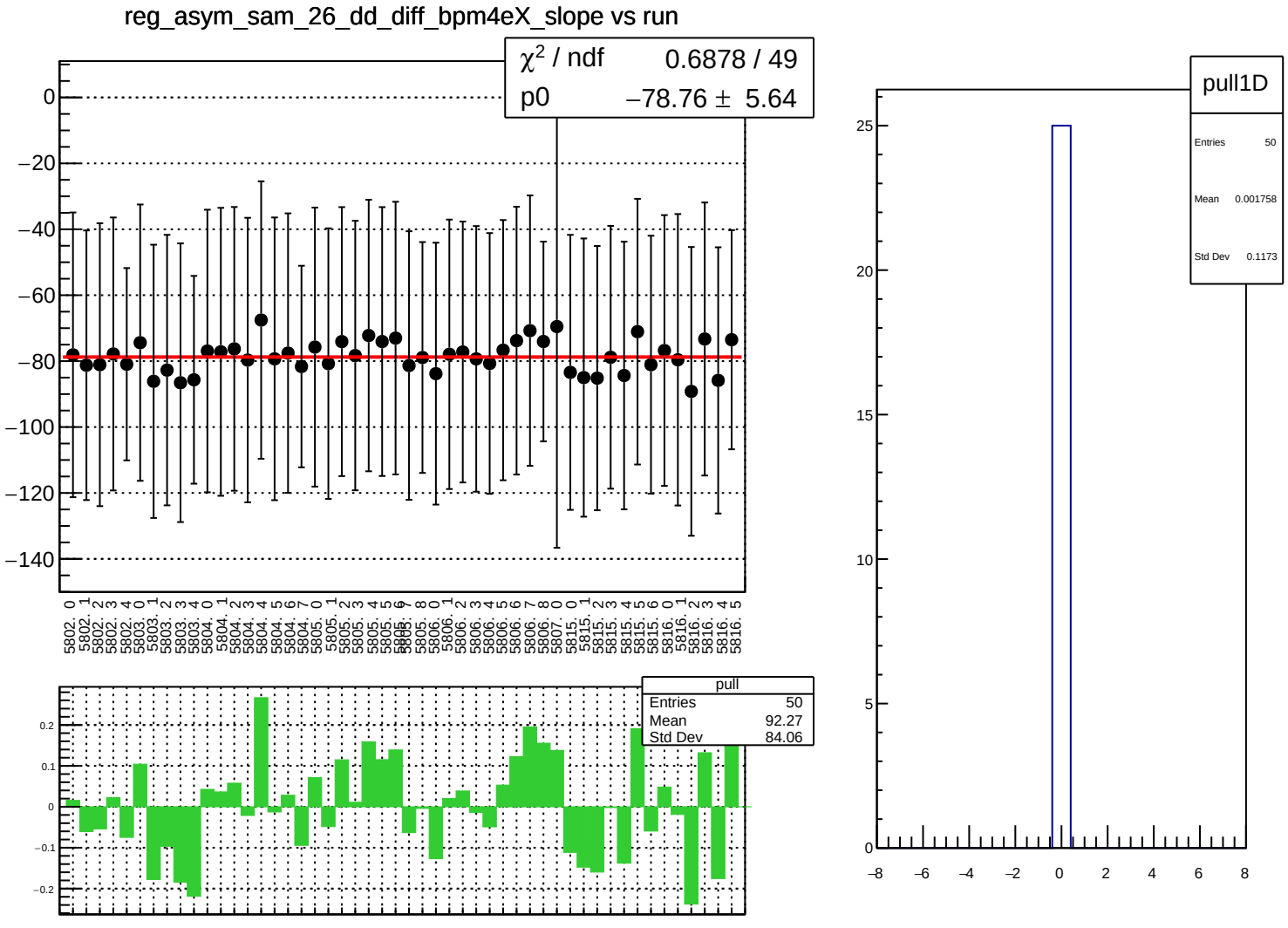

pull1D
Entries 50
Mean −0.001329
Std Dev 0.2445

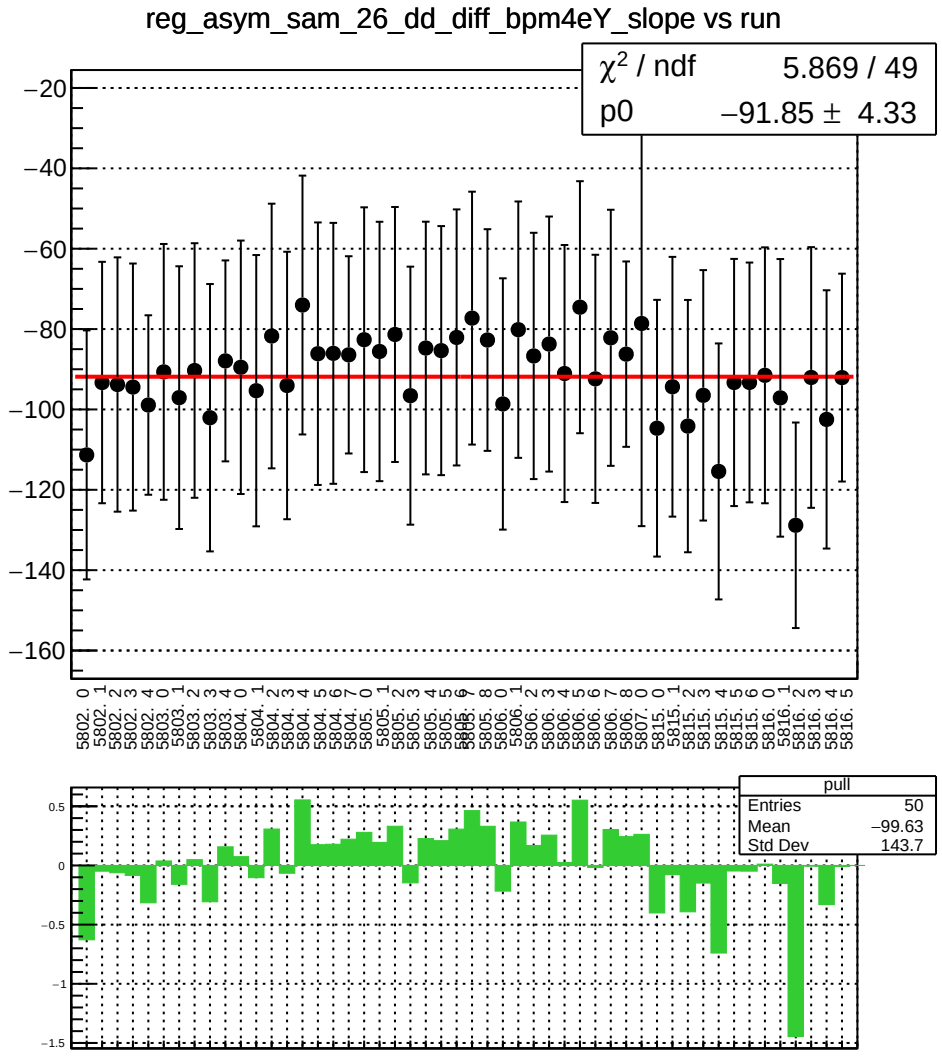

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.7388 / 49
p0 −70.9 ± 4.429
pull
Entries 50
Mean 27.2
Std Dev 50.38

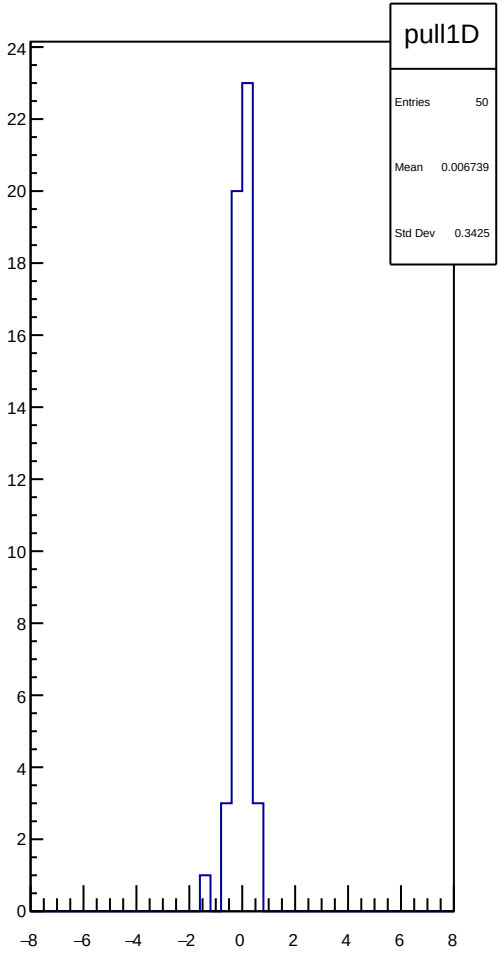

pull1D
Entries 50
Mean −0.002317
Std Dev 0.1215

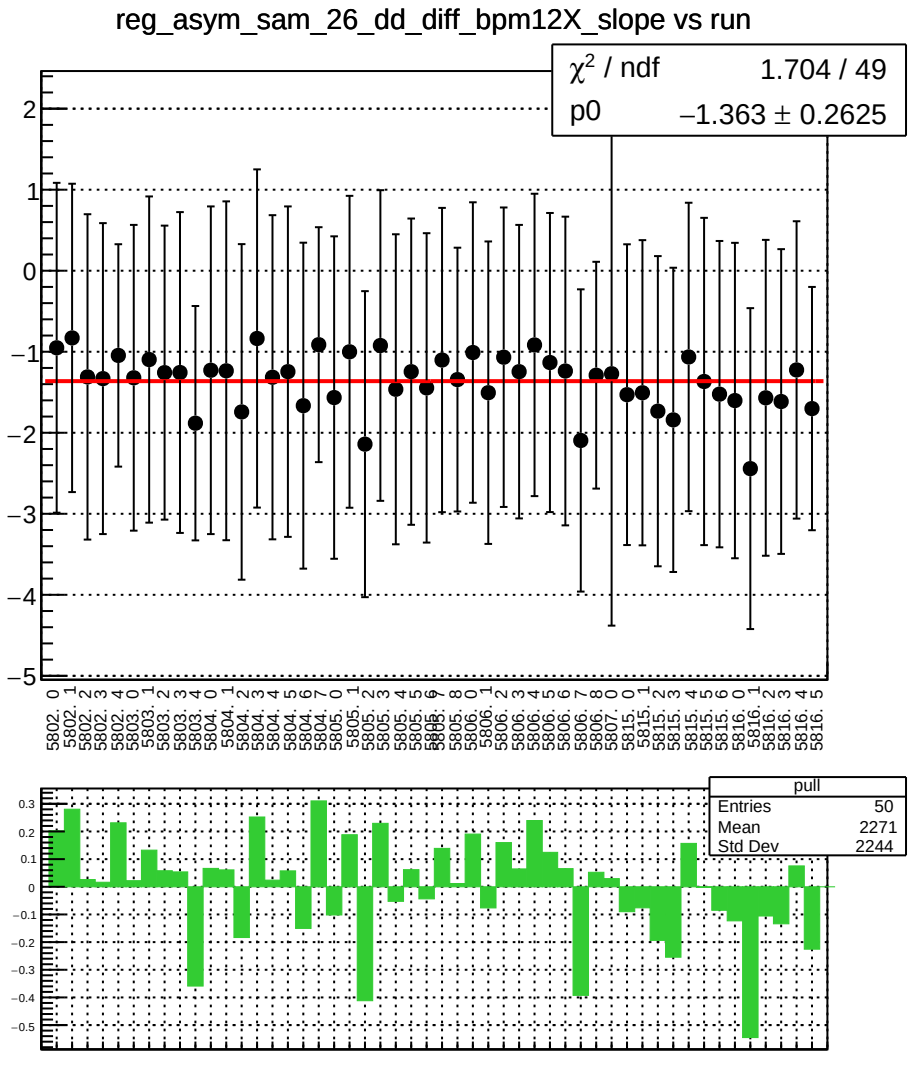

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.083 / 49
p0 −78.26 ± 3.962
pull
Entries 50
Mean −123
Std Dev 165.8

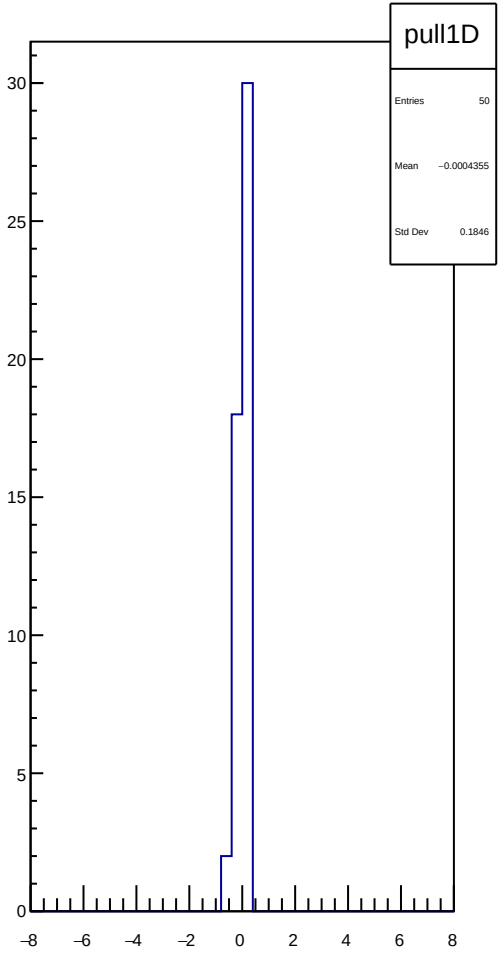

pull1D
Entries 50
Mean −0.006264
Std Dev 0.3487

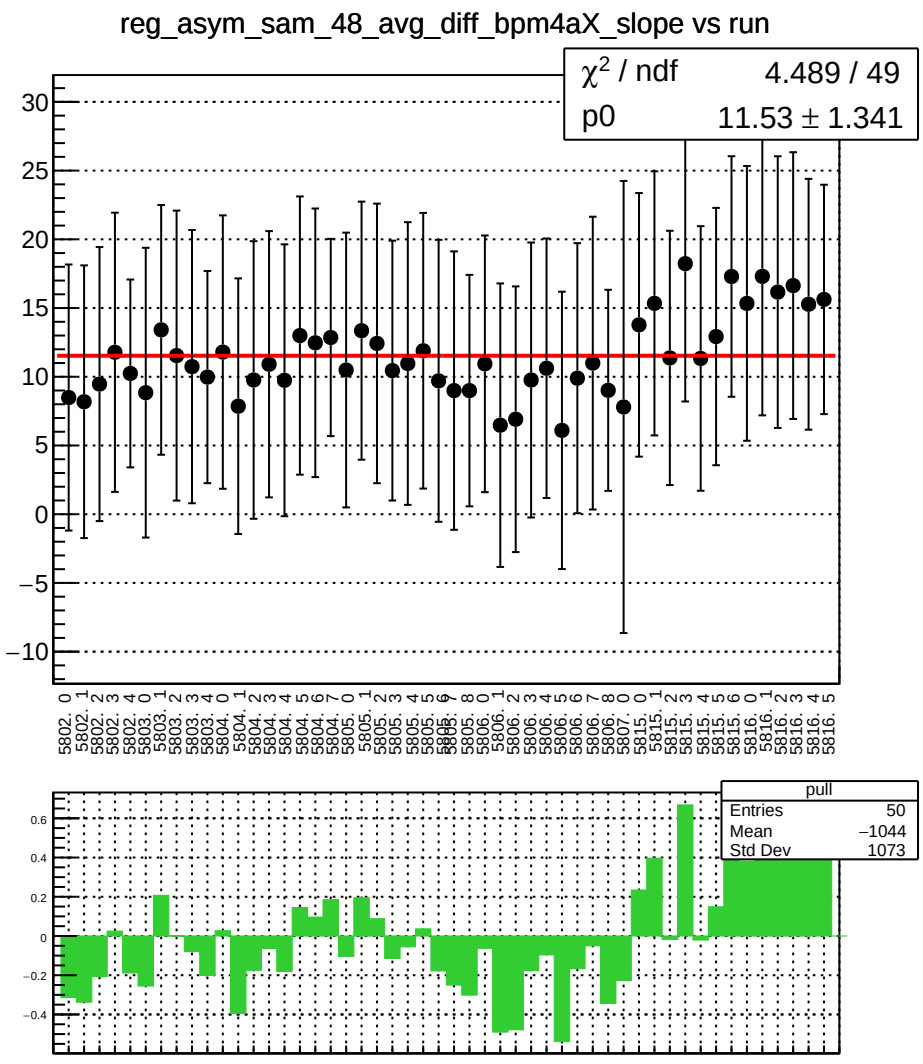

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6878 / 49
p0 −78.76 ± 5.64
pull
Entries 50
Mean 92.27
Std Dev 84.06
pull1D
Entries 50
Mean 0.001758
Std Dev 0.1173

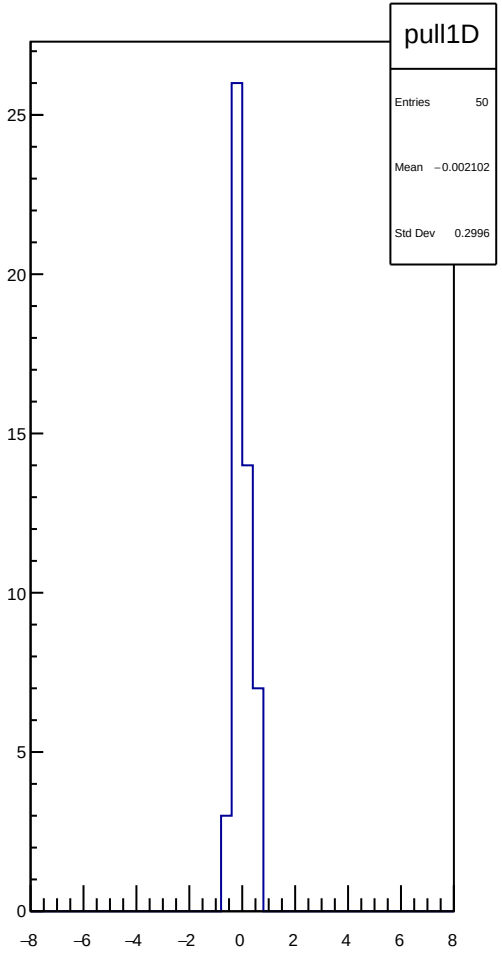

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.869 / 49
p0 −91.85 ± 4.33
pull
Entries 50
Mean −99.63
Std Dev 143.7

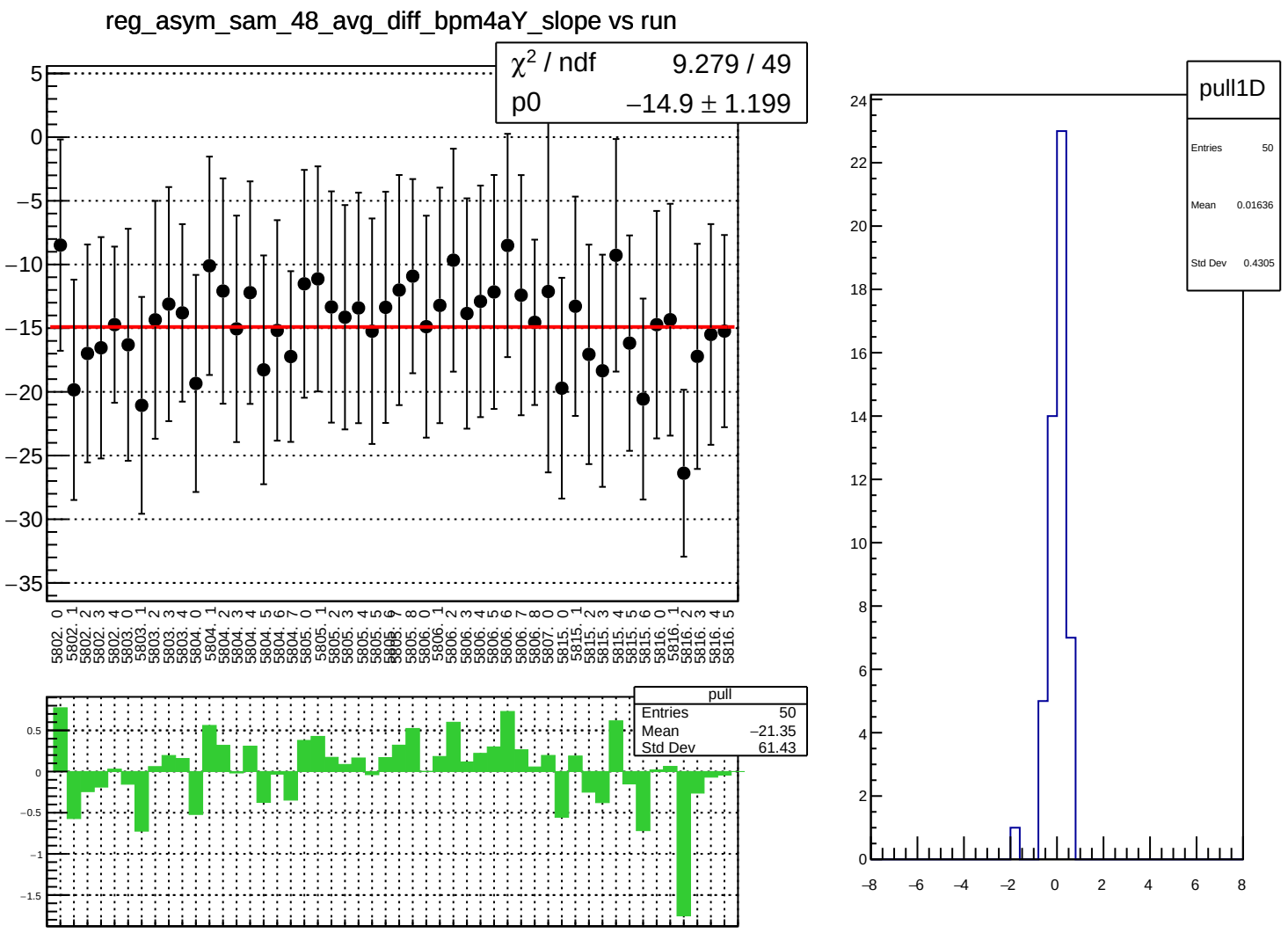

pull1D
Entries 50
Mean 0.006739
Std Dev 0.3425

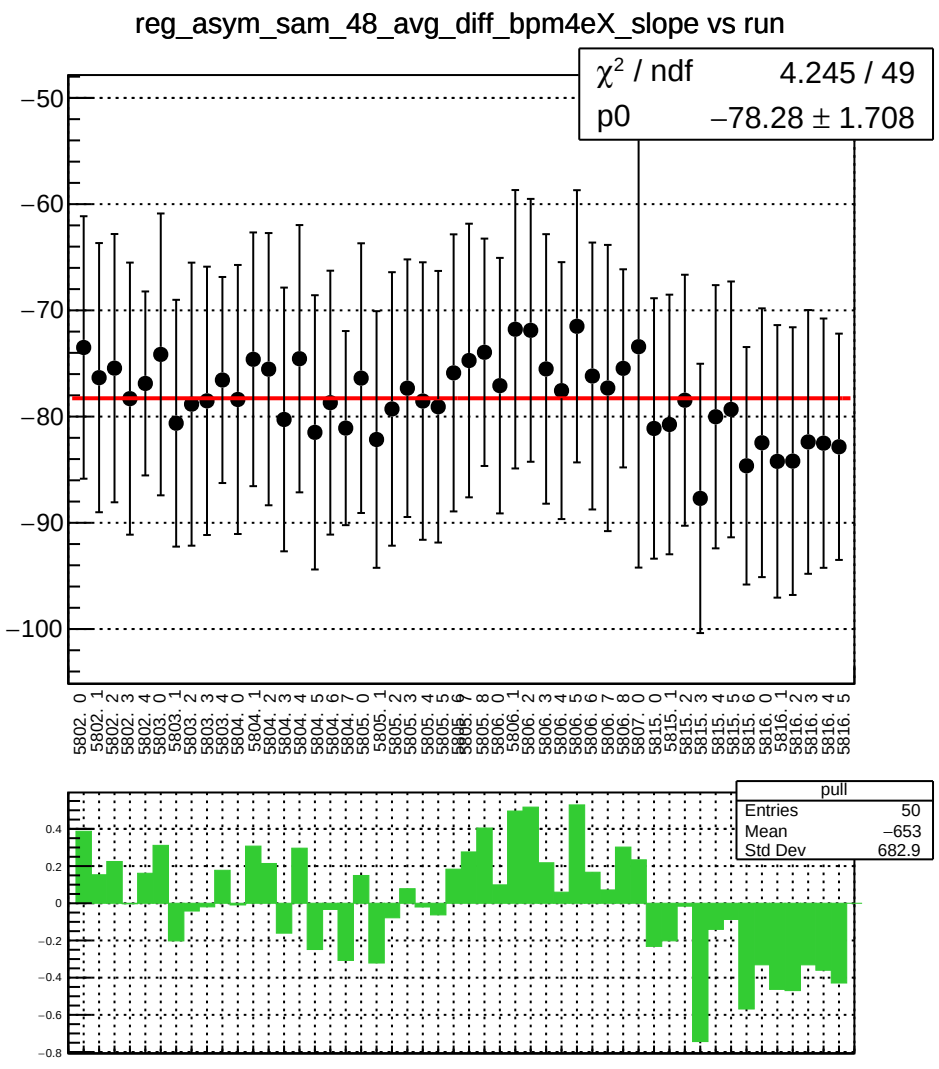

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.704 / 49
p0 −1.363 ± 0.2625
pull
Entries 50
Mean 2271
Std Dev 2244

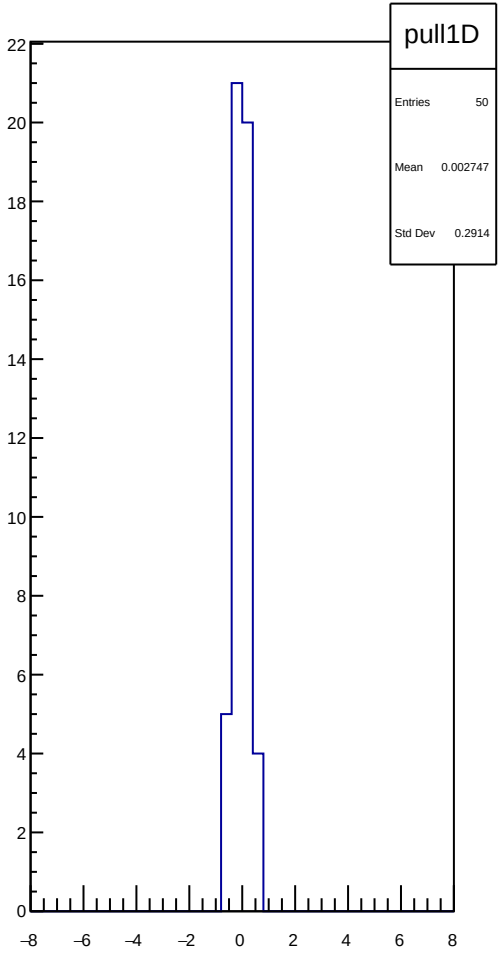

pull1D
Entries 50
Mean −0.0004355
Std Dev 0.1846

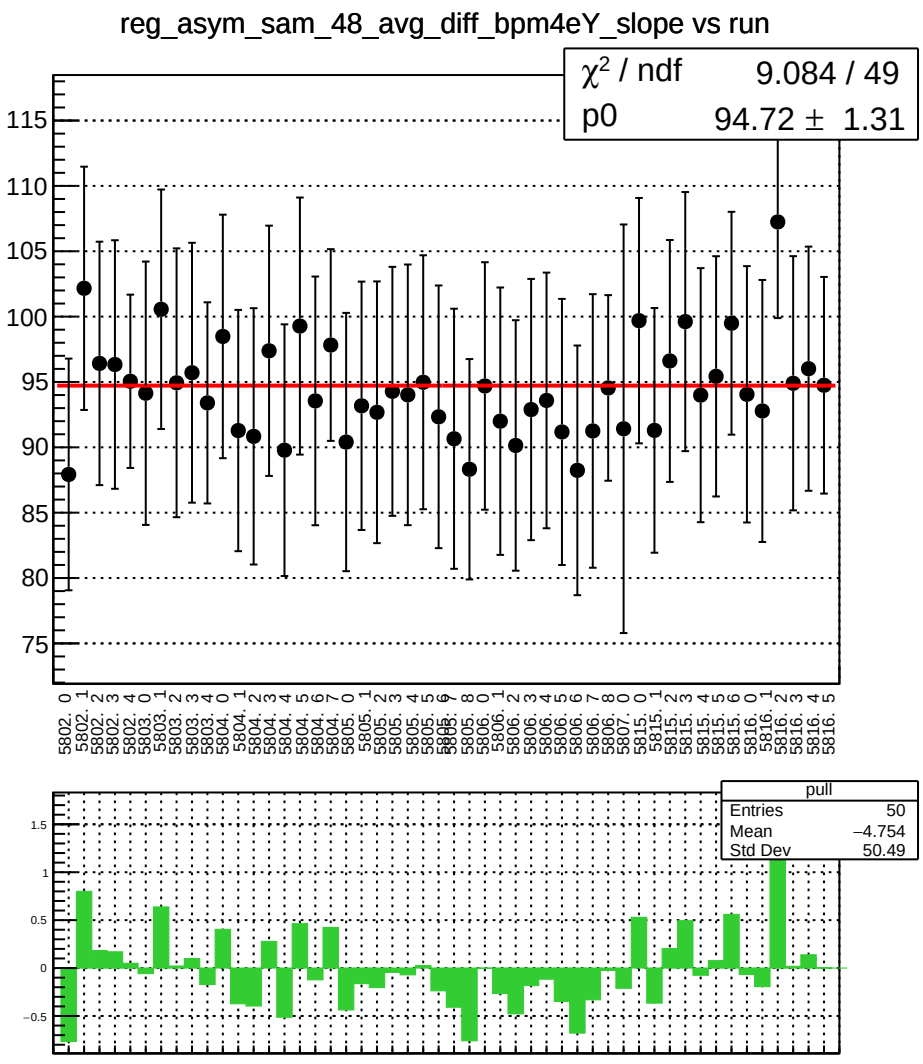

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.489 / 49
p0 11.53 ± 1.341
pull
Entries 50
Mean −1044
Std Dev 1073

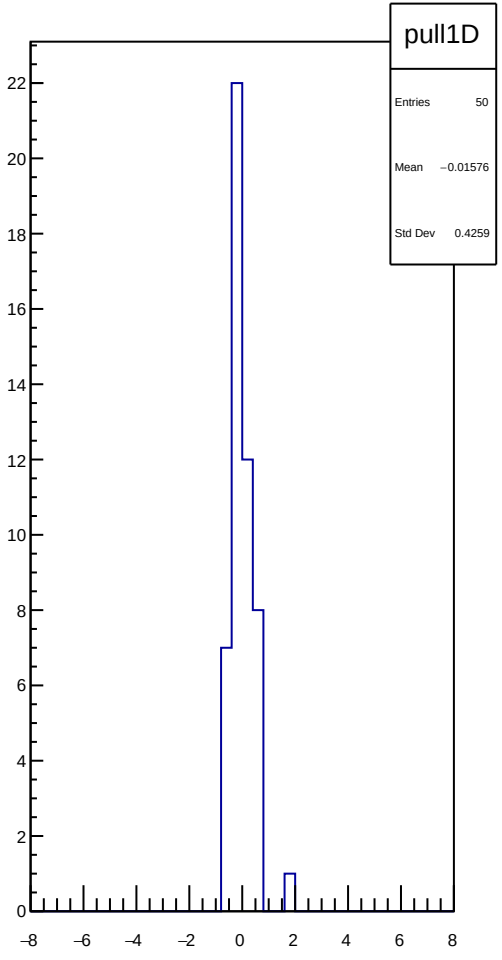

pull1D
Entries 50
Mean −0.002102
Std Dev 0.2996

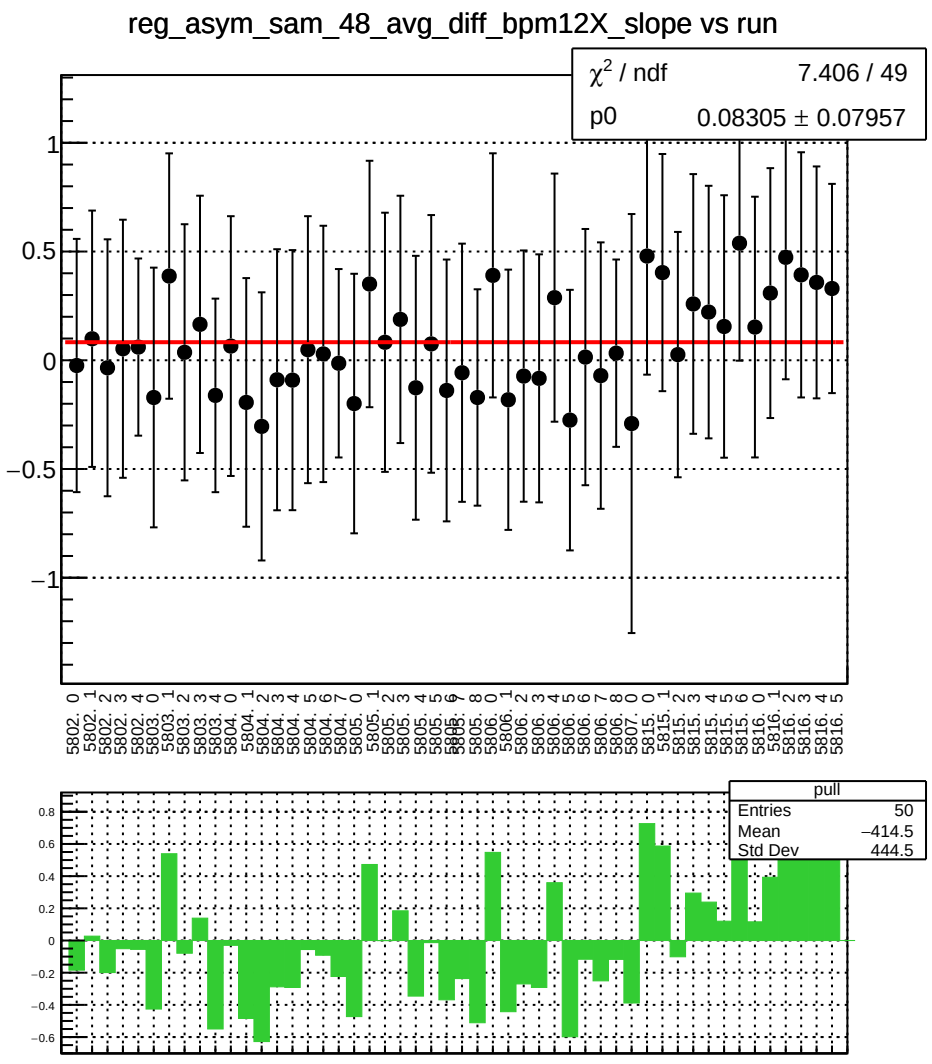

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.279 / 49
p0 −14.9 ± 1.199
pull
Entries 50
Mean −21.35
Std Dev 61.43
pull1D
Entries 50
Mean 0.01636
Std Dev 0.4305

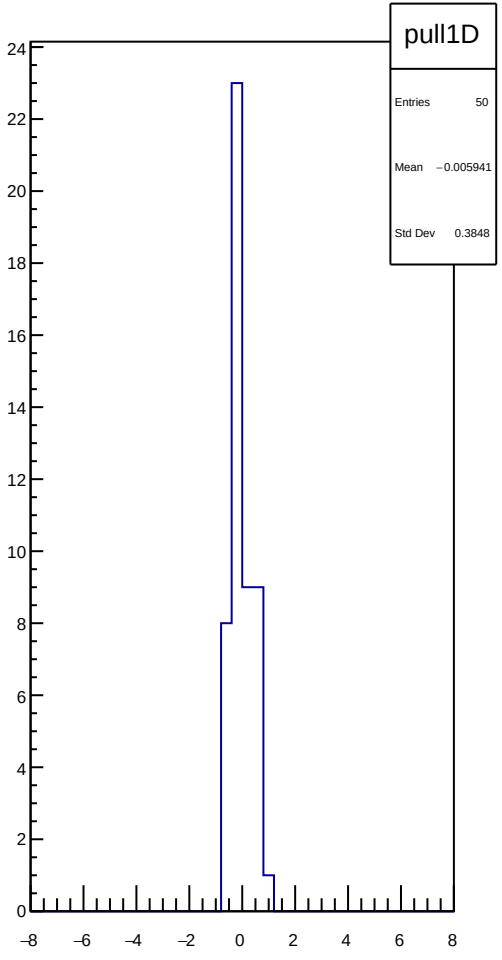

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.245 / 49
p0 −78.28 ± 1.708
pull
Entries 50
Mean −653
Std Dev 682.9

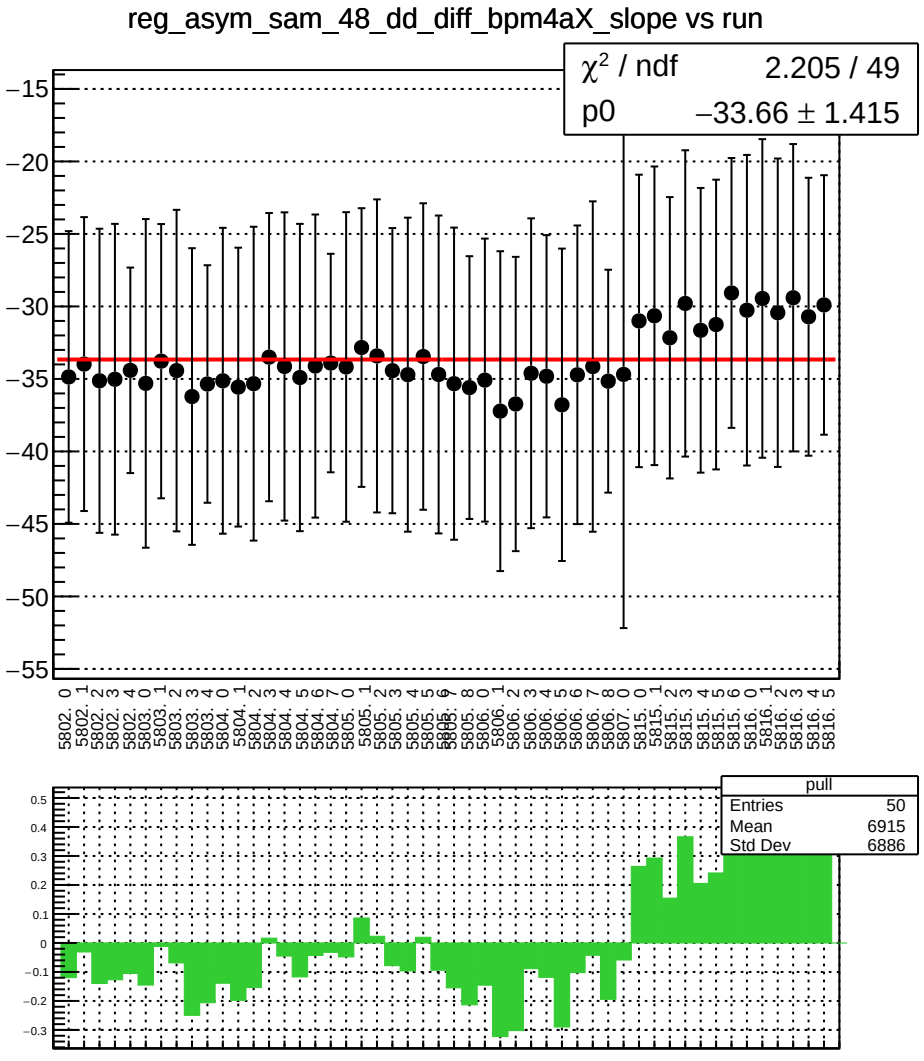

pull1D
Entries 50
Mean 0.002747
Std Dev 0.2914

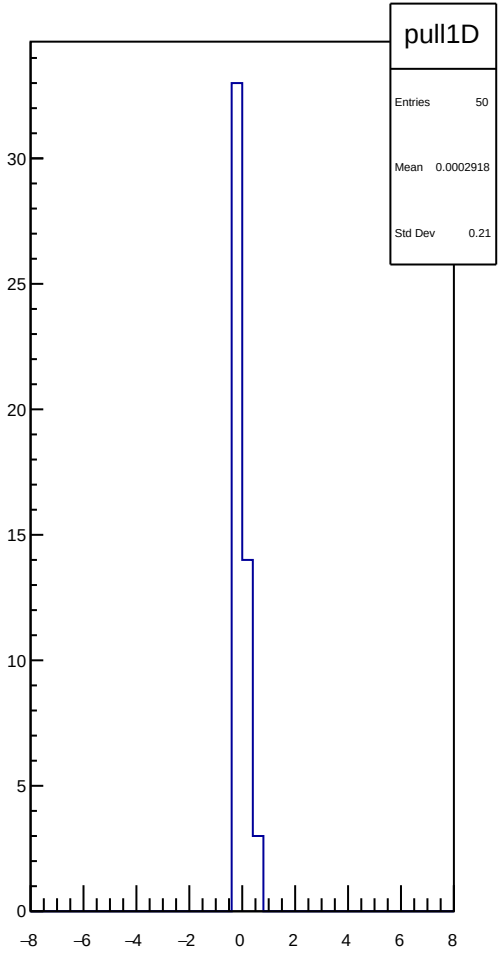

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.084 / 49
p0 94.72 ± 1.31
pull
Entries 50
Mean −4.754
Std Dev 50.49

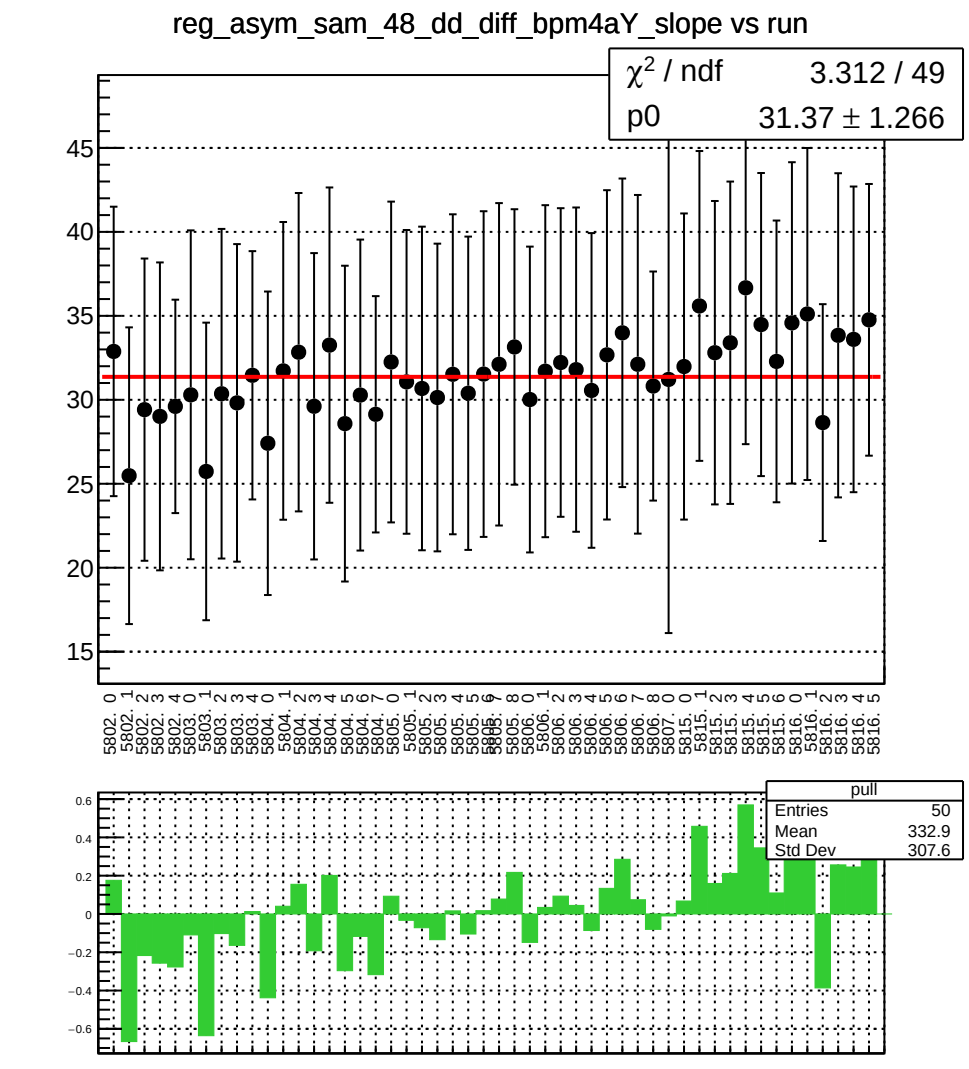

pull1D
Entries 50
Mean −0.01576
Std Dev 0.4259

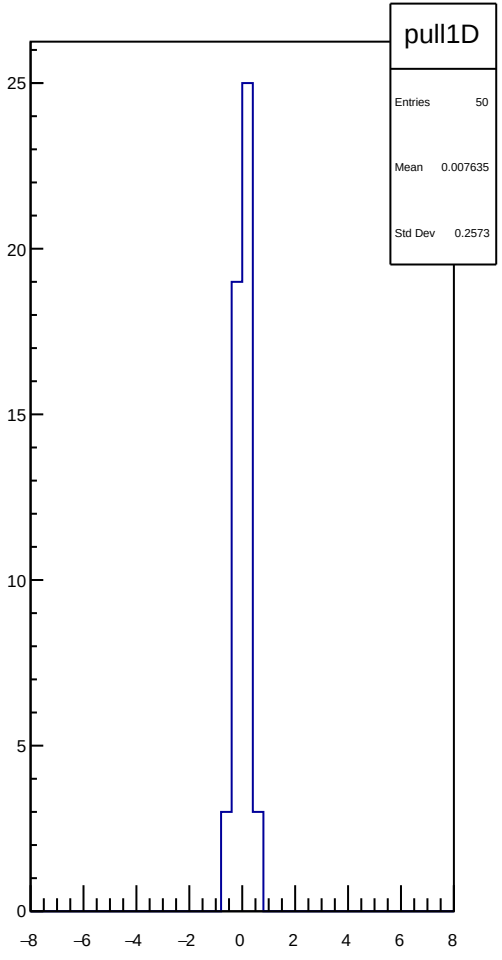

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 7.406 / 49
p0 0.08305 ± 0.07957
pull
Entries 50
Mean −414.5
Std Dev 444.5

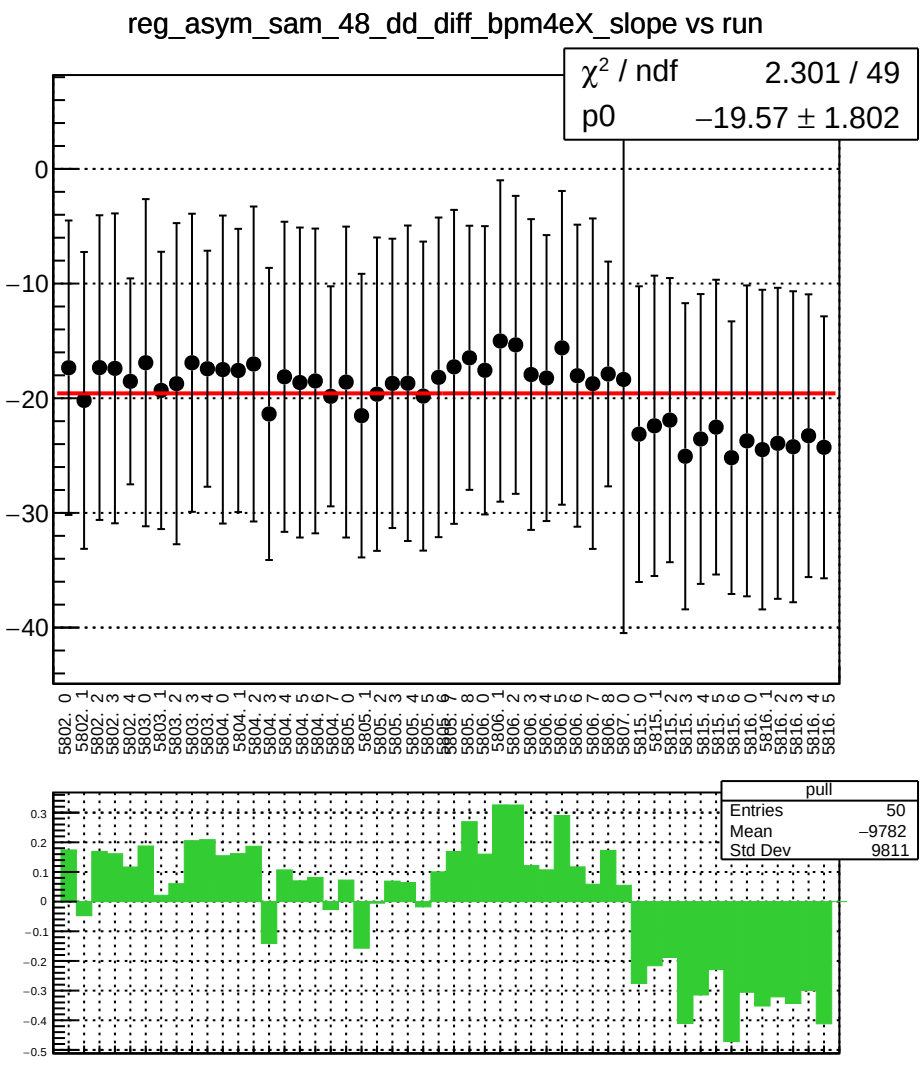

pull1D
Entries 50
Mean −0.005941
Std Dev 0.3848

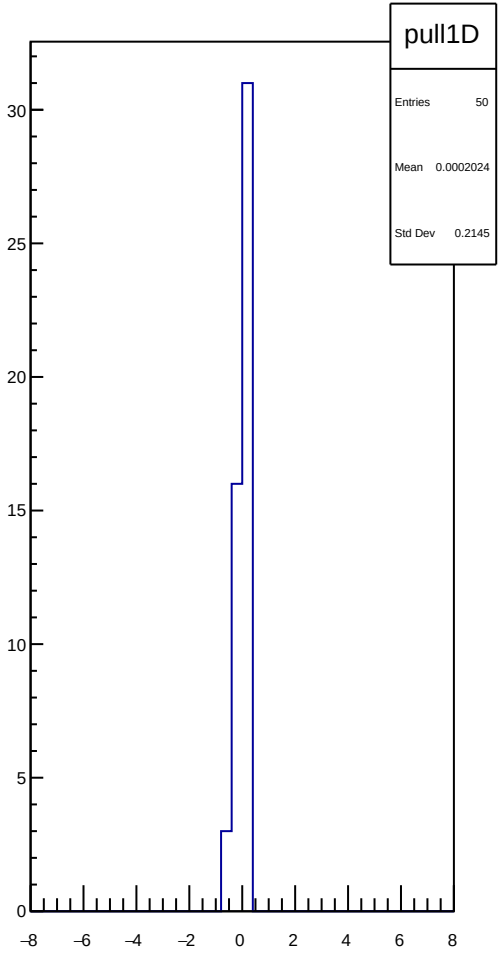

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.205 / 49
p0 −33.66 ± 1.415
pull
Entries 50
Mean 6915
Std Dev 6886

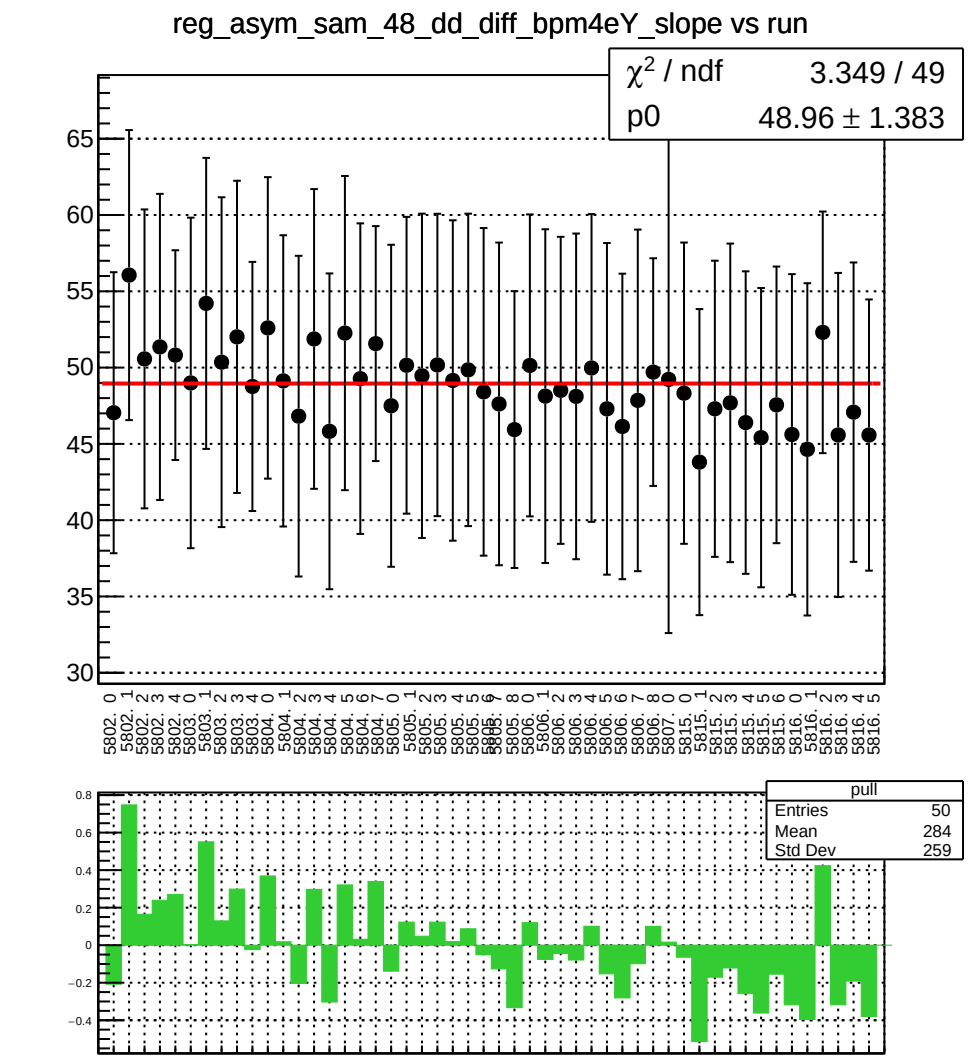

pull1D
Entries 50
Mean 0.0002918
Std Dev 0.21

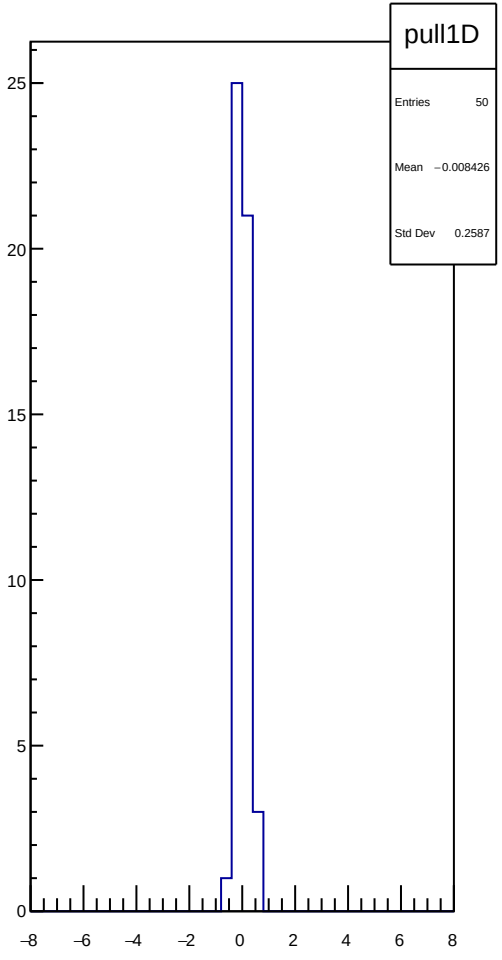

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.312 / 49
p0 31.37 ± 1.266
pull
Entries 50
Mean 332.9
Std Dev 307.6

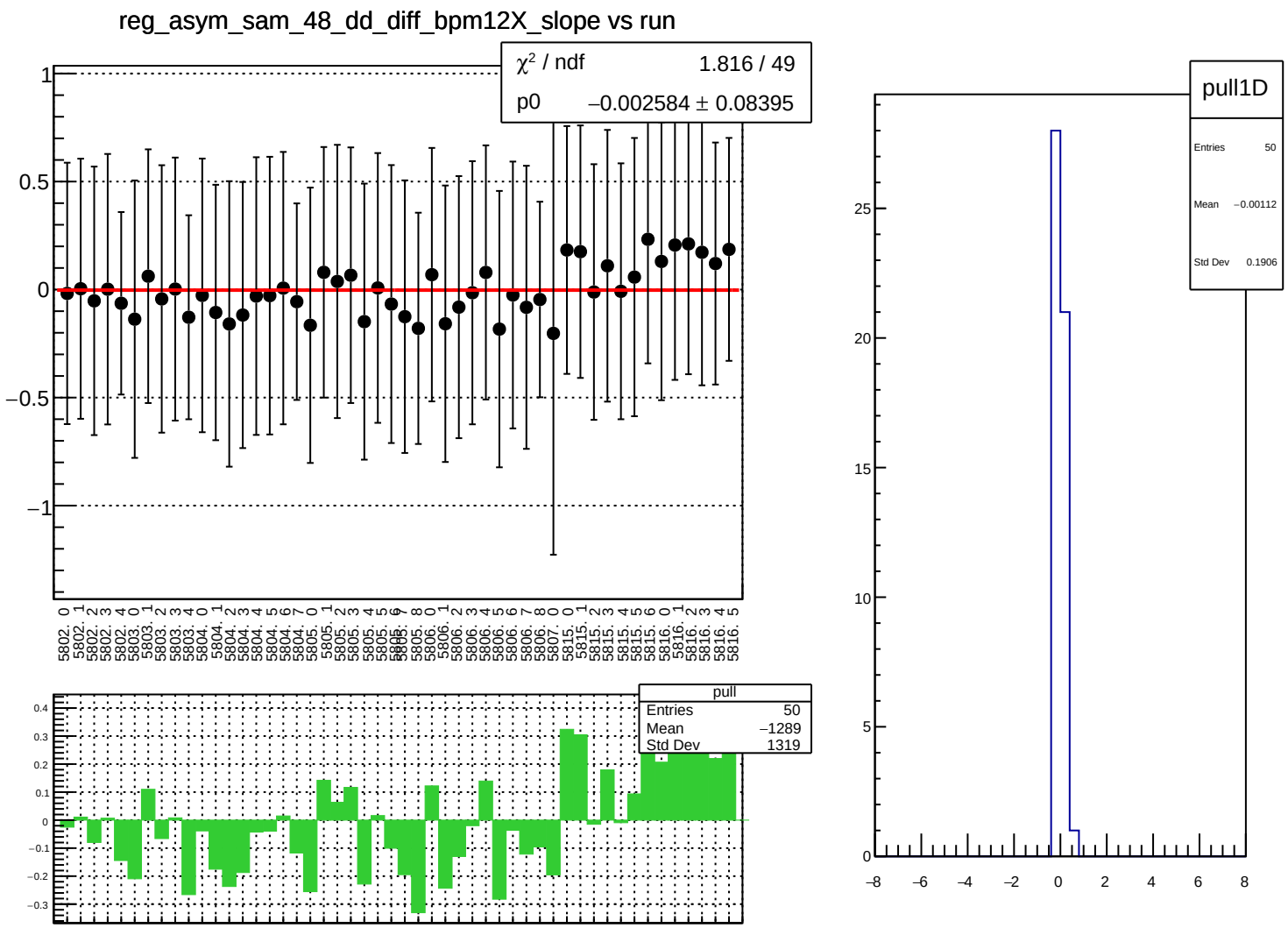

pull1D
Entries 50
Mean 0.007635
Std Dev 0.2573

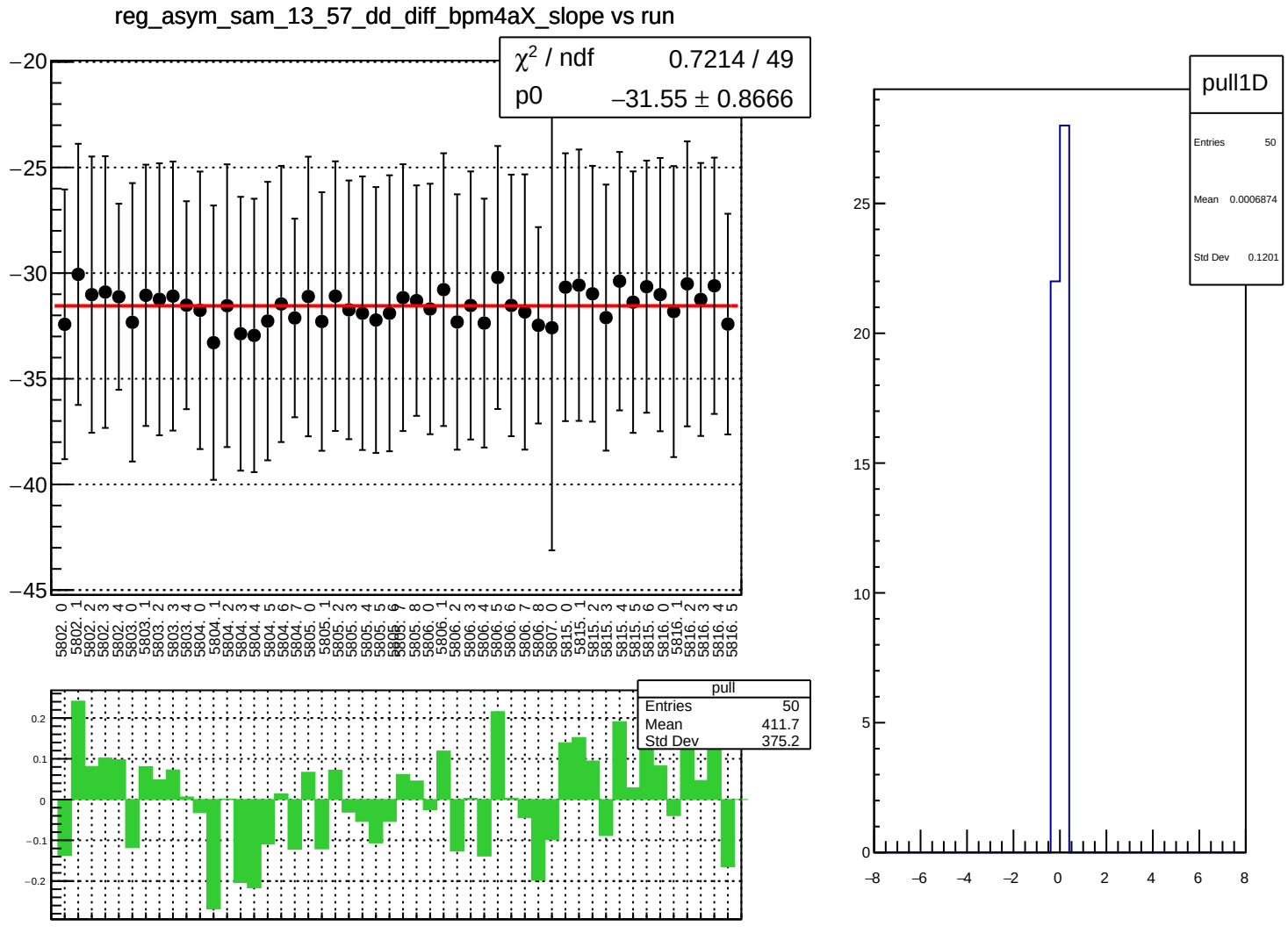

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.301 / 49
p0 −19.57 ± 1.802
pull
Entries 50
Mean −9782
Std Dev 9811

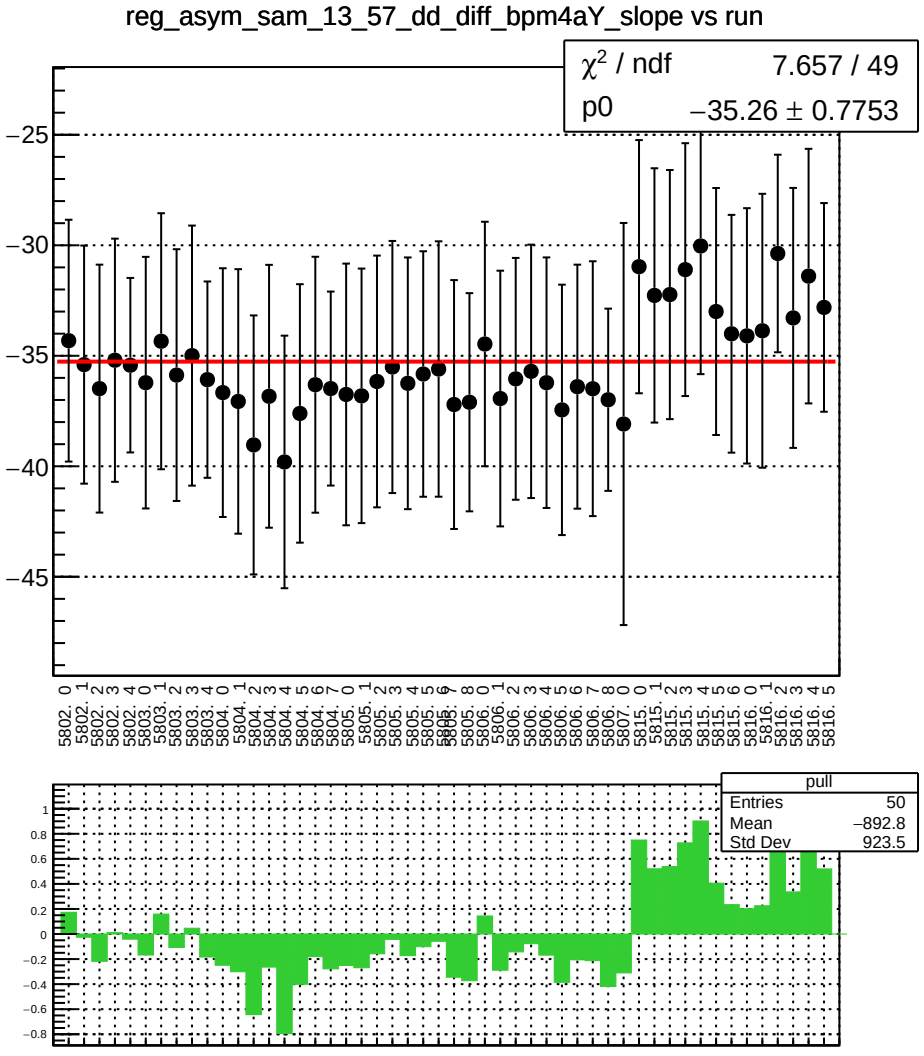

pull1D
Entries 50
Mean 0.0002024
Std Dev 0.2145

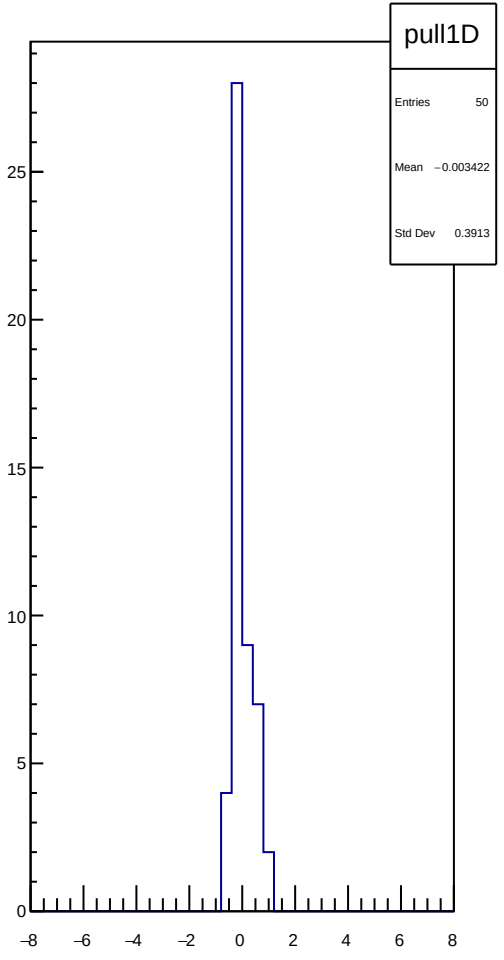

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.349 / 49
p0 48.96 ± 1.383
pull
Entries 50
Mean 284
Std Dev 259

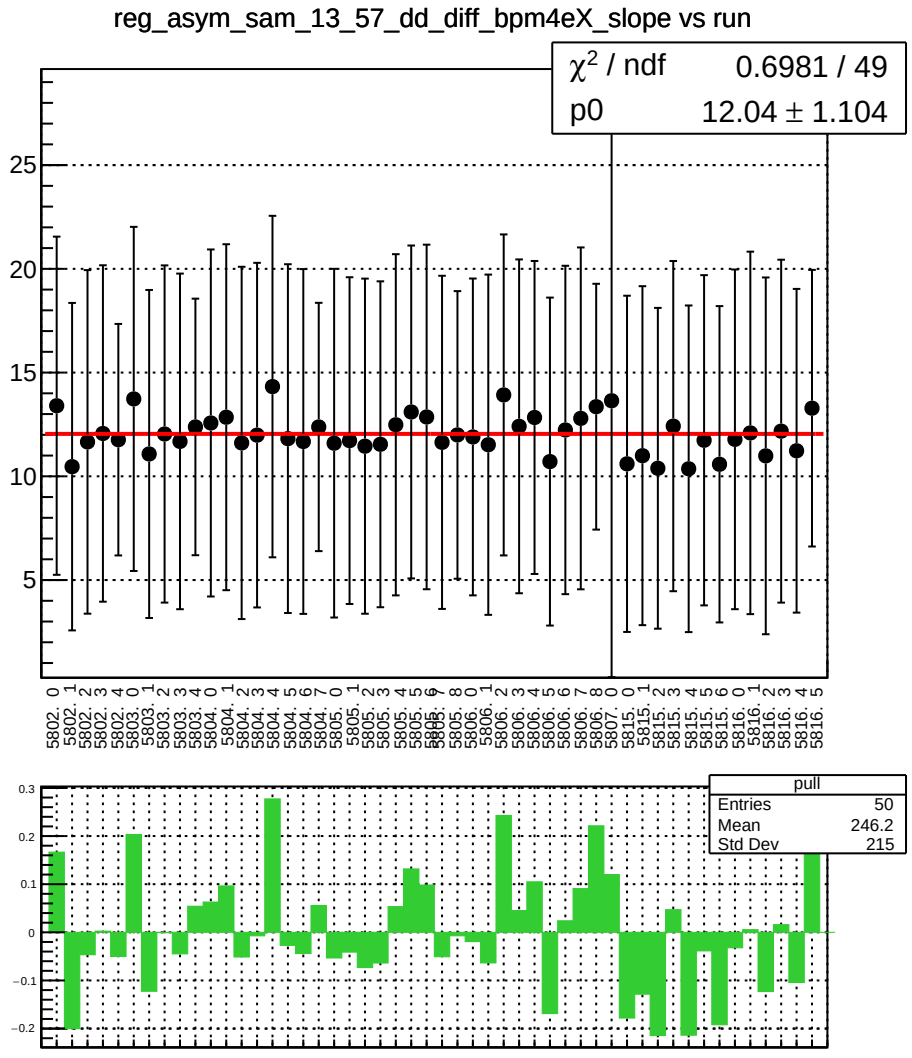

pull1D
Entries 50
Mean −0.008426
Std Dev 0.2587

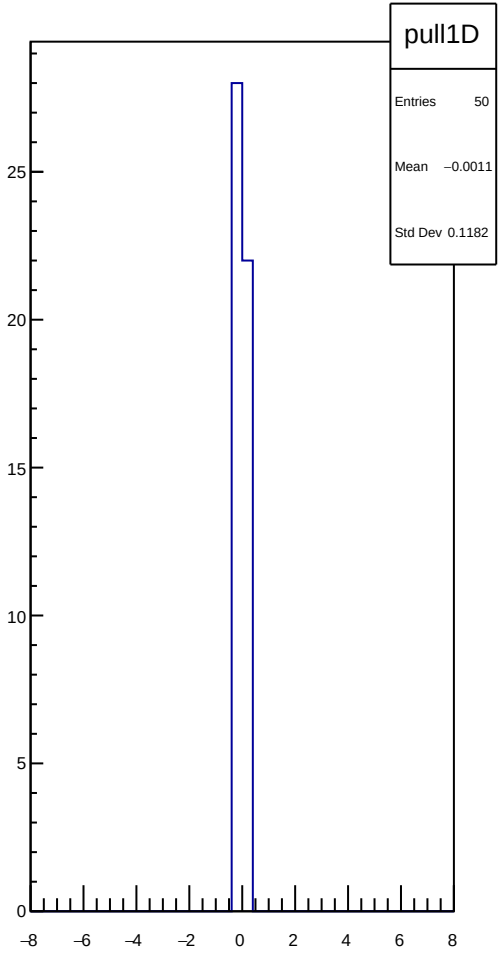

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.816 / 49
p0 −0.002584 ± 0.08395
pull
Entries 50
Mean −1289
Std Dev 1319
pull1D
Entries 50
Mean −0.00112
Std Dev 0.1906

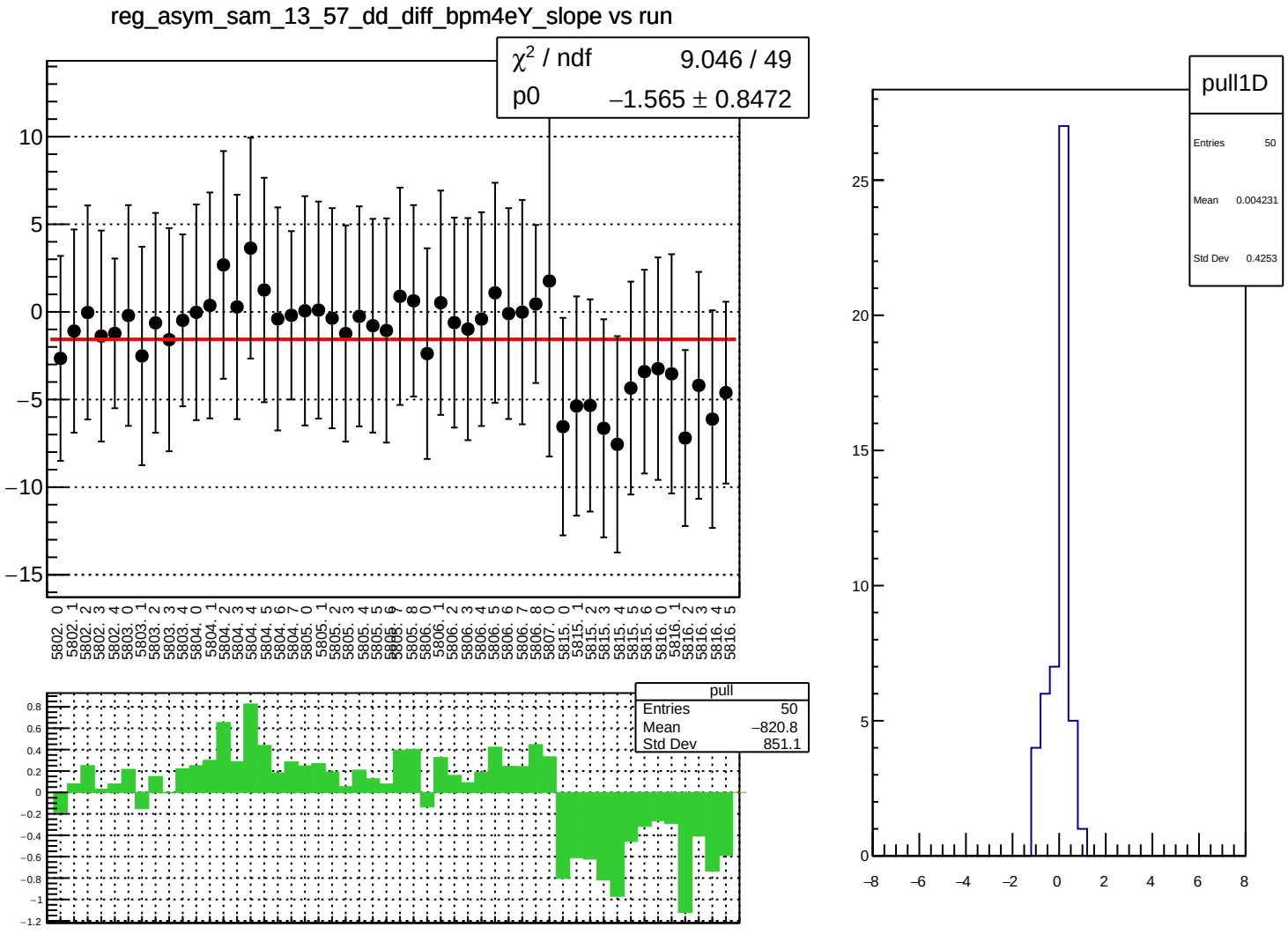

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.7214 / 49
p0 −31.55 ± 0.8666
pull
Entries 50
Mean 411.7
Std Dev 375.2
pull1D
Entries 50
Mean 0.0006874
Std Dev 0.1201

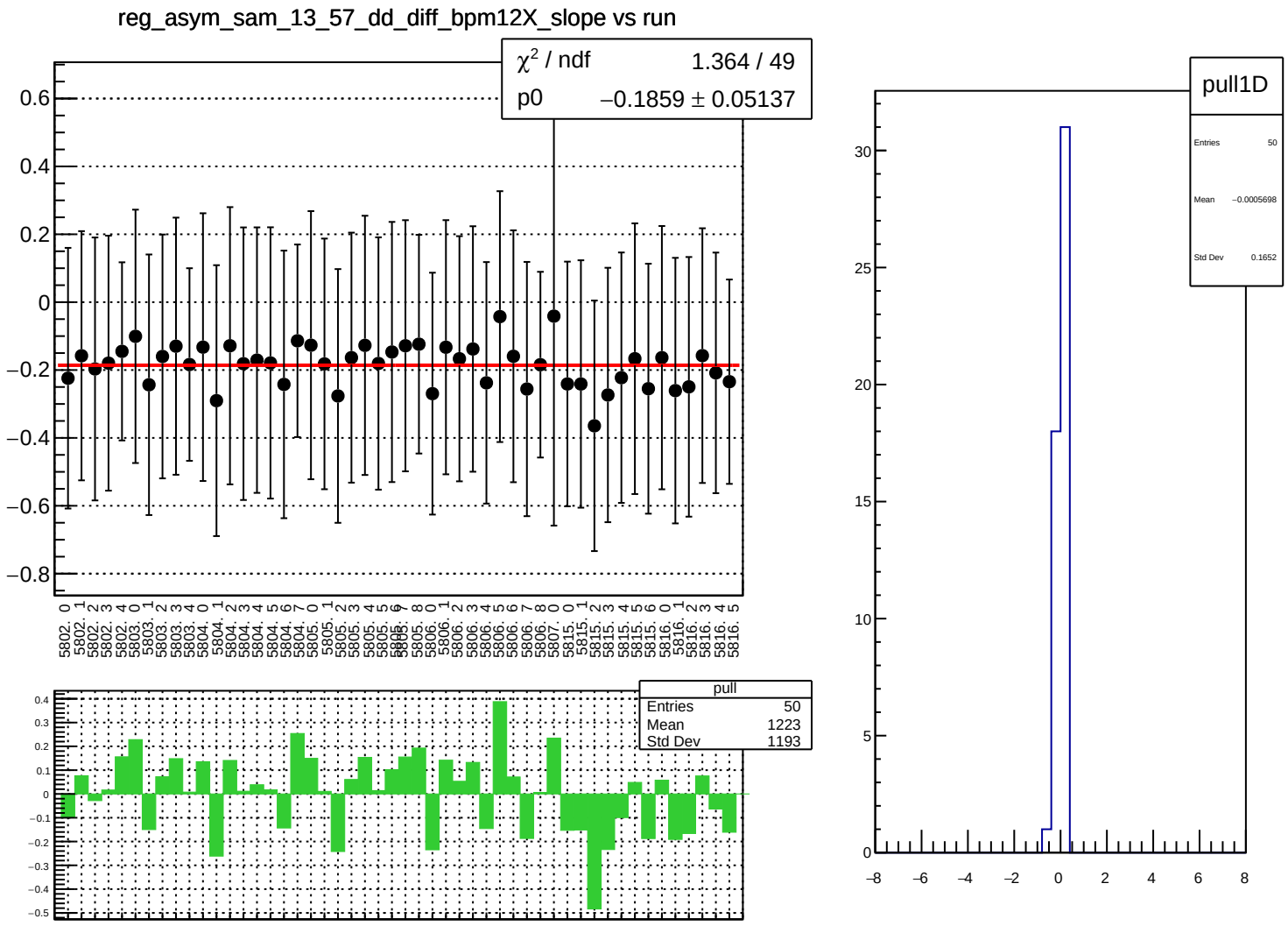

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.657 / 49
p0 −35.26 ± 0.7753
pull
Entries 50
Mean −892.8
Std Dev 923.5

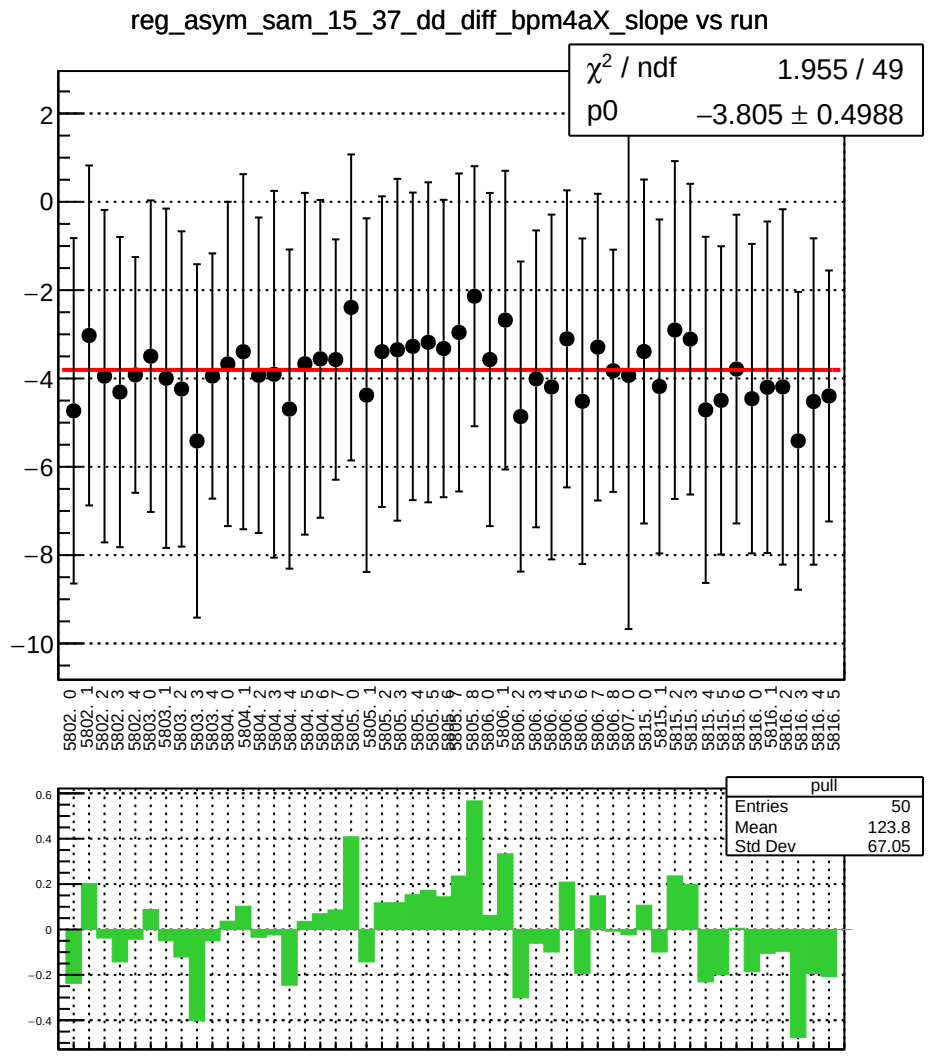

pull1D
Entries 50
Mean −0.003422
Std Dev 0.3913

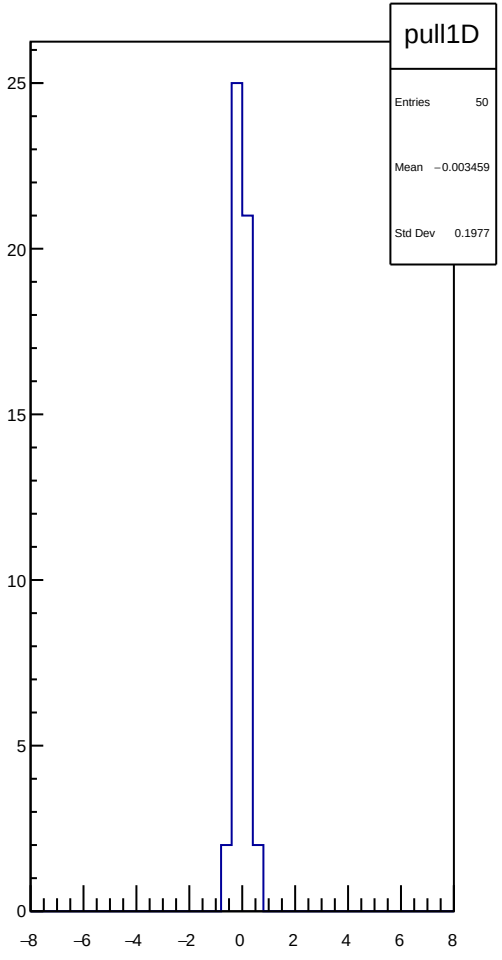

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6981 / 49
p0 12.04 ± 1.104
pull
Entries 50
Mean 246.2
Std Dev 215

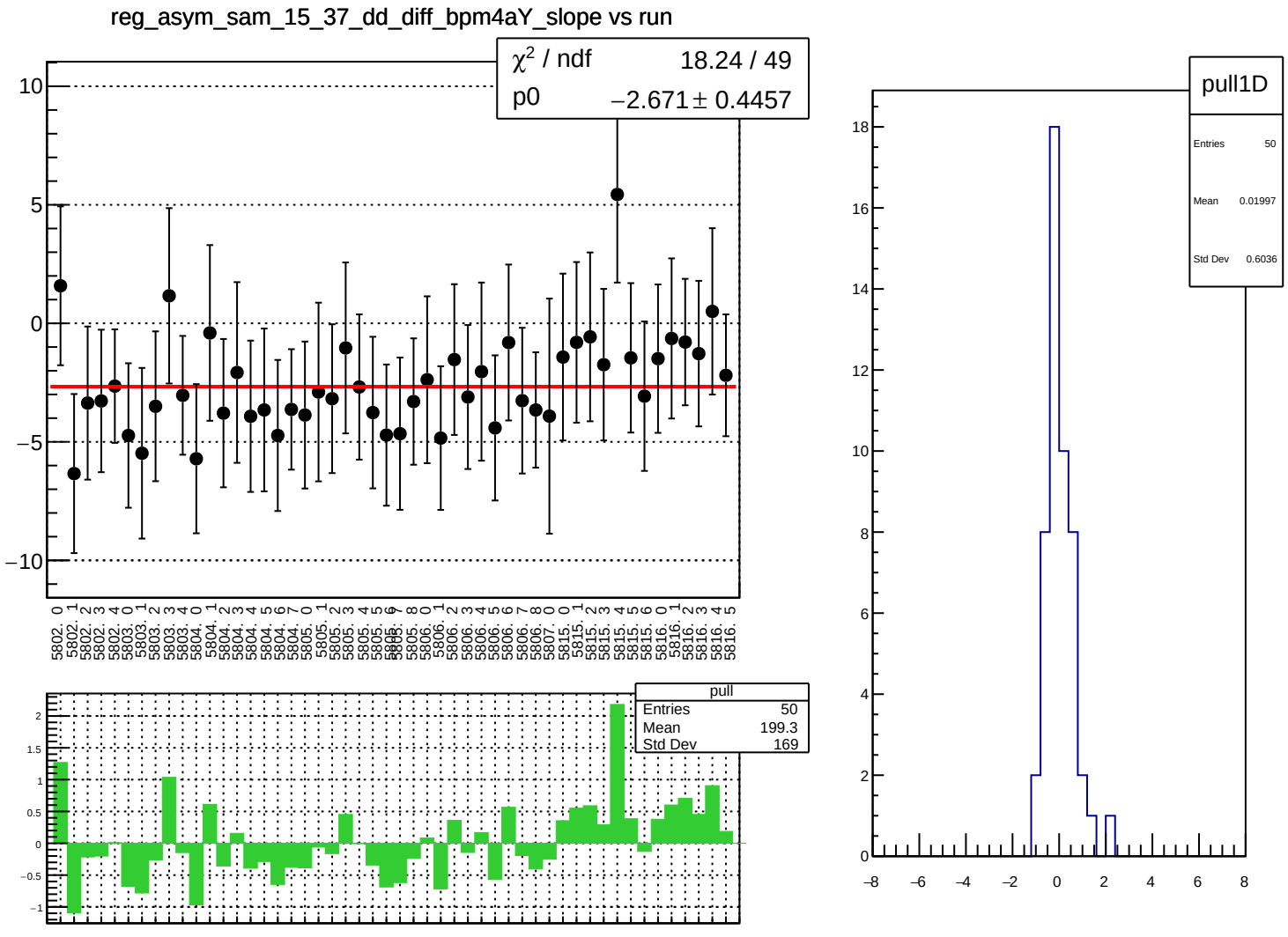

pull1D
Entries 50
Mean −0.0011
Std Dev 0.1182

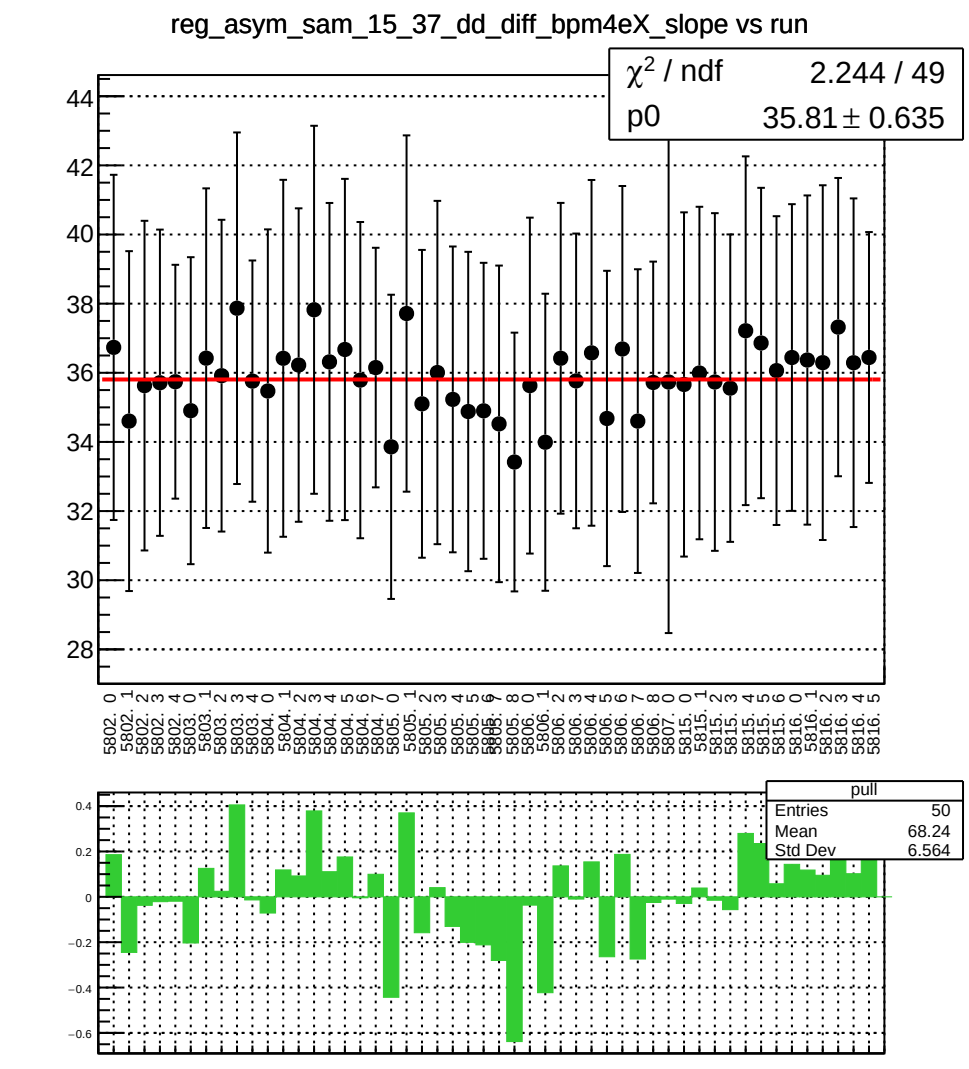

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.046 / 49
p0 −1.565 ± 0.8472
pull
Entries 50
Mean −820.8
Std Dev 851.1
pull1D
Entries 50
Mean 0.004231
Std Dev 0.4253

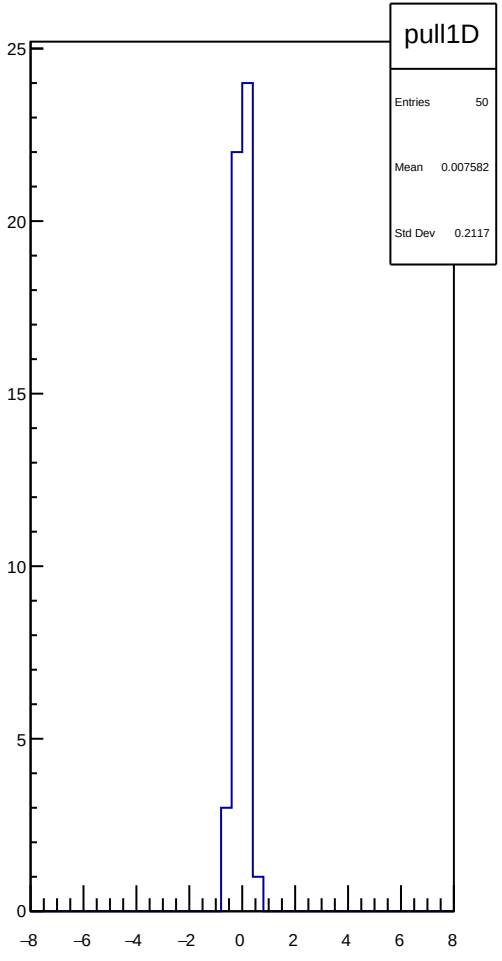

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.364 / 49
p0 −0.1859 ± 0.05137
pull
Entries 50
Mean 1223
Std Dev 1193
pull1D
Entries 50
Mean −0.0005698
Std Dev 0.1652

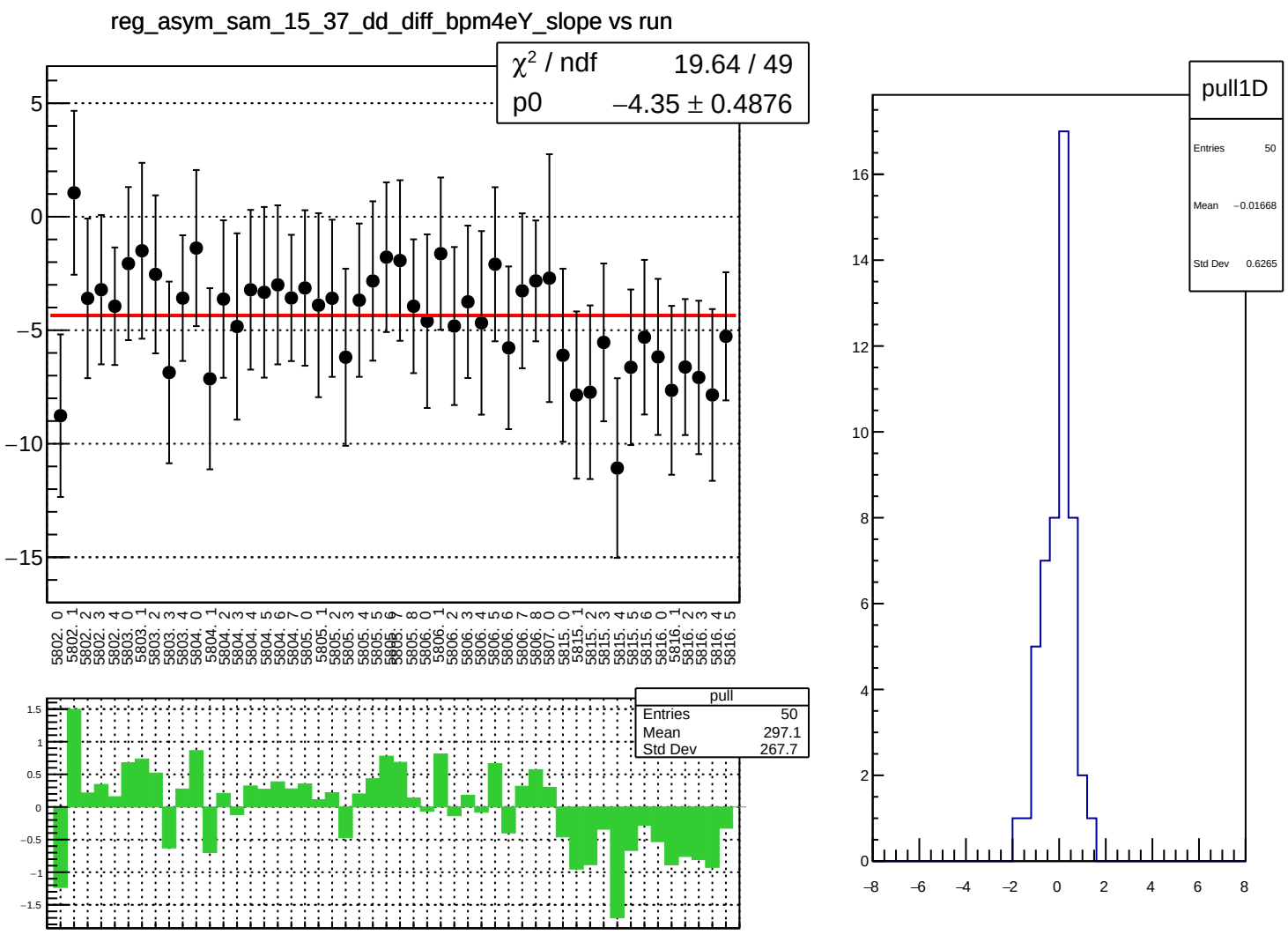

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.955 / 49
p0 −3.805 ± 0.4988
pull
Entries 50
Mean 123.8
Std Dev 67.05

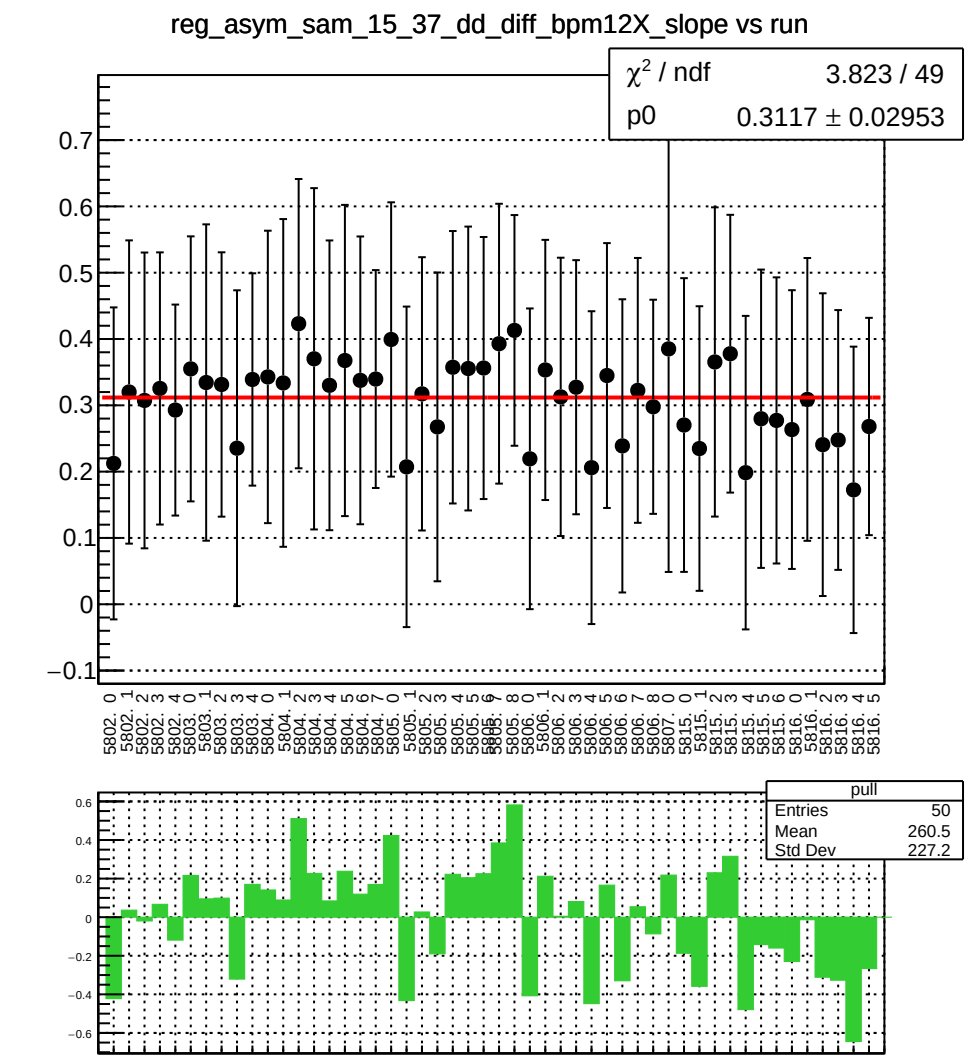

pull1D
Entries 50
Mean −0.003459
Std Dev 0.1977

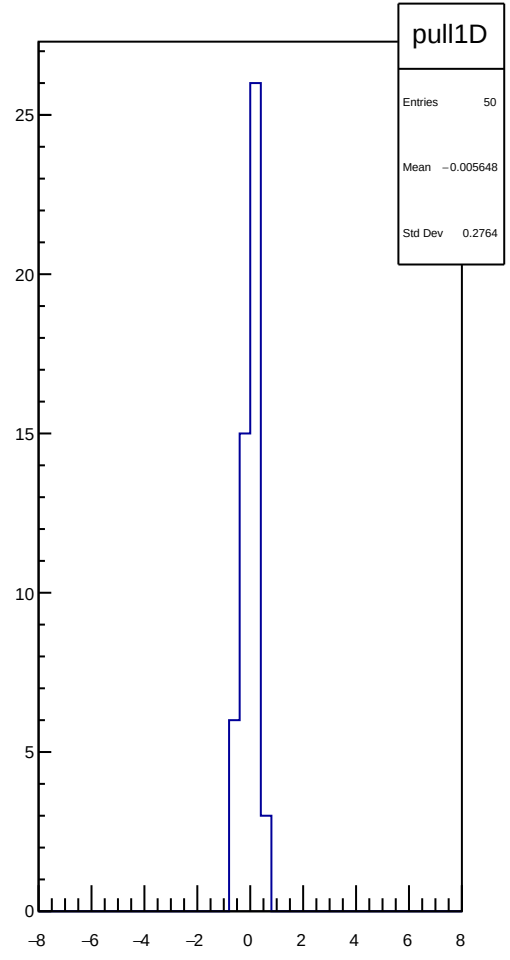

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.24 / 49
p0 −2.671 ± 0.4457
pull
Entries 50
Mean 199.3
Std Dev 169
pull1D
Entries 50
Mean 0.01997
Std Dev 0.6036

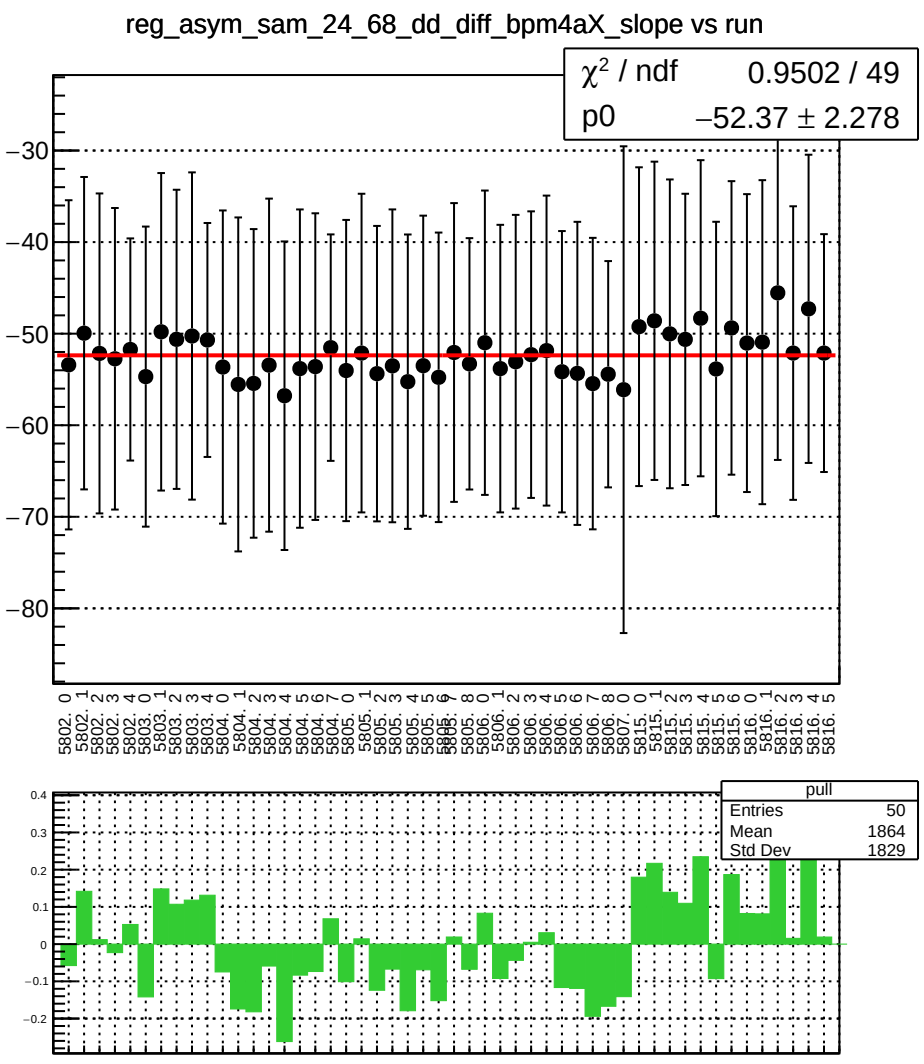

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.244 / 49
p0 35.81 ± 0.635
pull
Entries 50
Mean 68.24
Std Dev 6.564

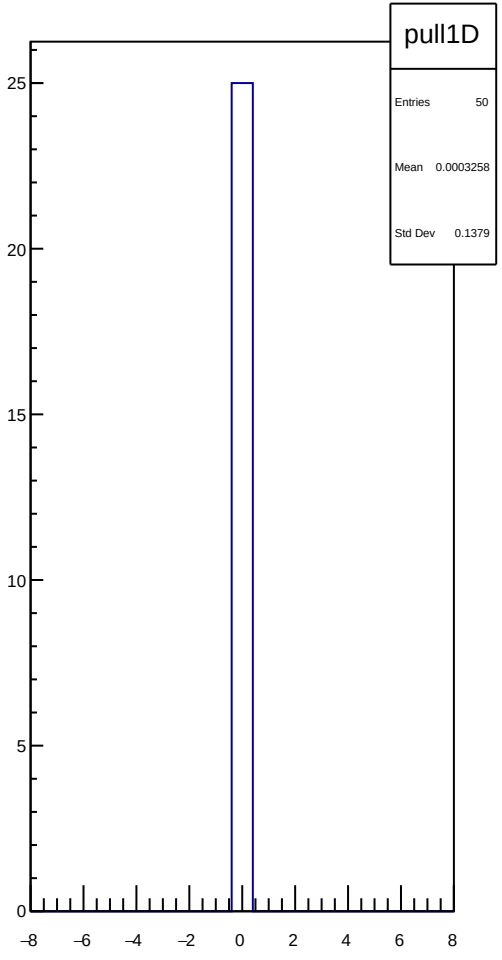

pull1D
Entries 50
Mean 0.007582
Std Dev 0.2117

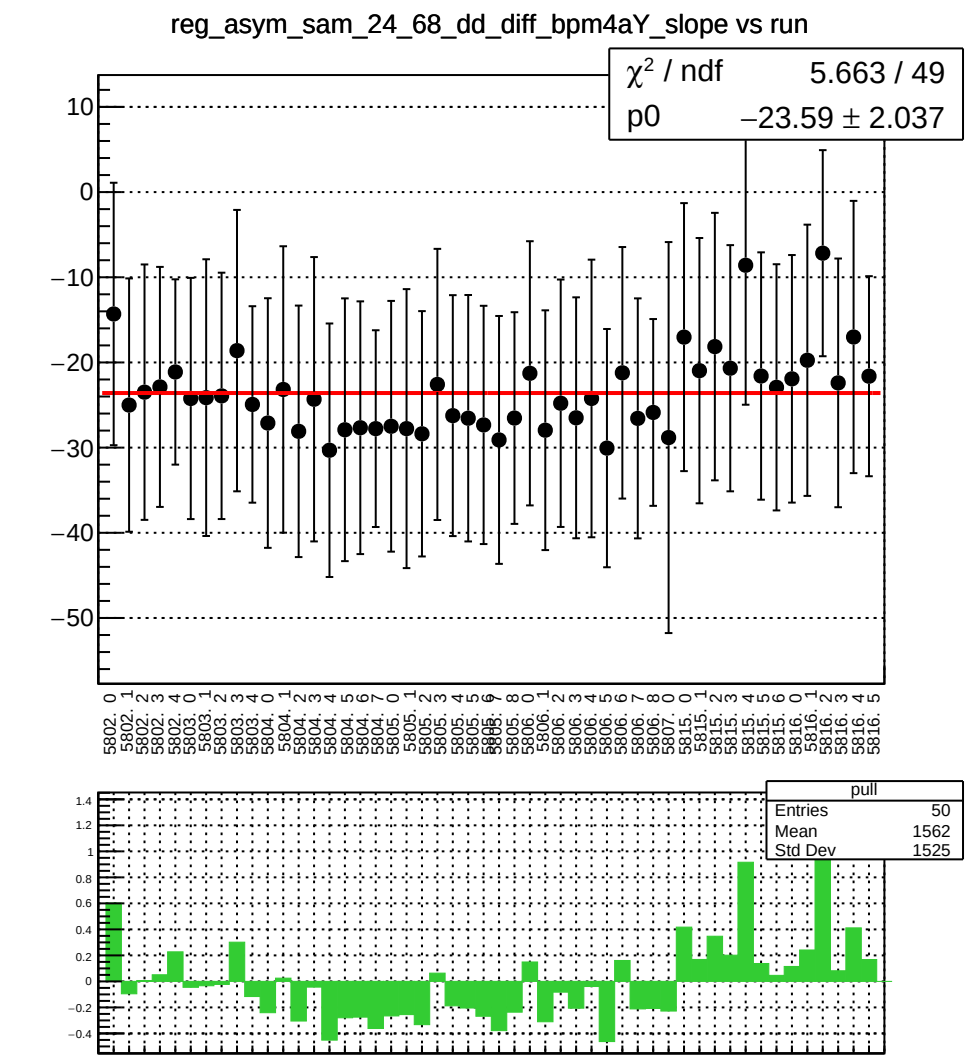

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.64 / 49
p0 −4.35 ± 0.4876
pull
Entries 50
Mean 297.1
Std Dev 267.7
pull1D
Entries 50
Mean −0.01668
Std Dev 0.6265

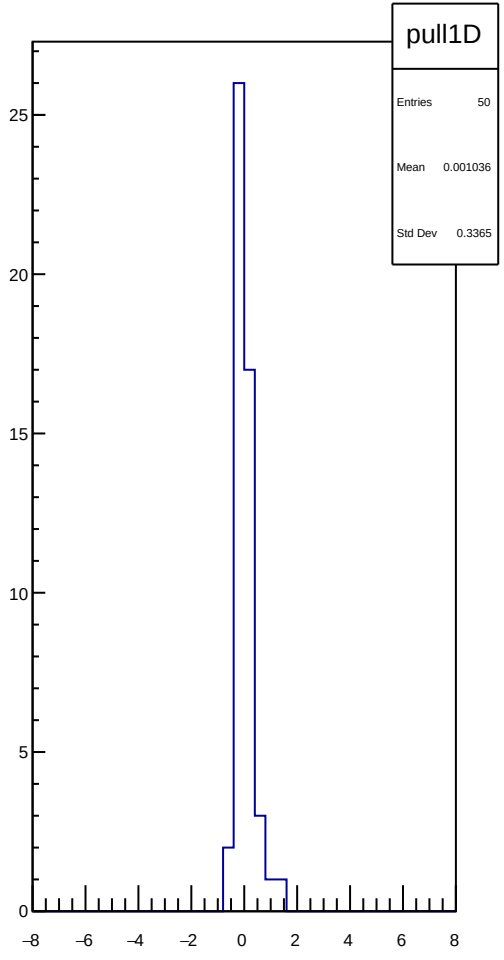

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.823 / 49
p0 0.3117 ± 0.02953
pull
Entries 50
Mean 260.5
Std Dev 227.2

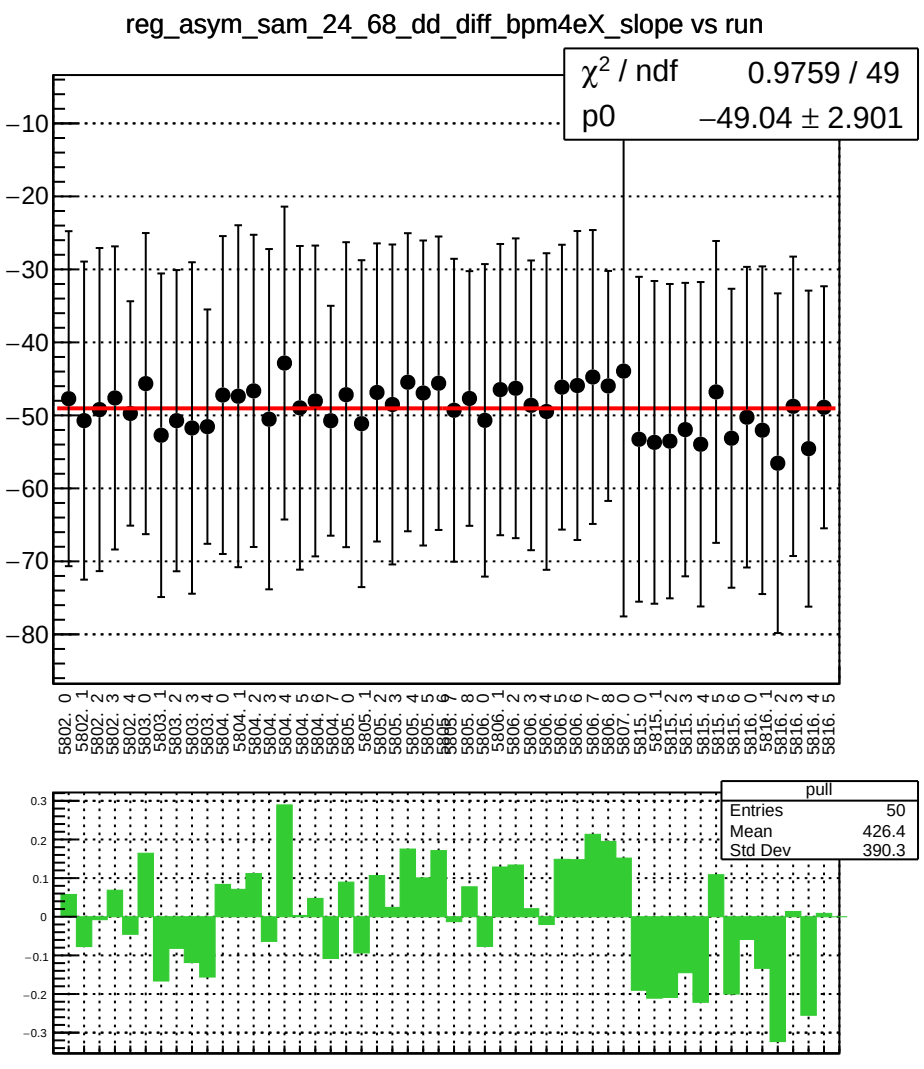

pull1D
Entries 50
Mean −0.005648
Std Dev 0.2764

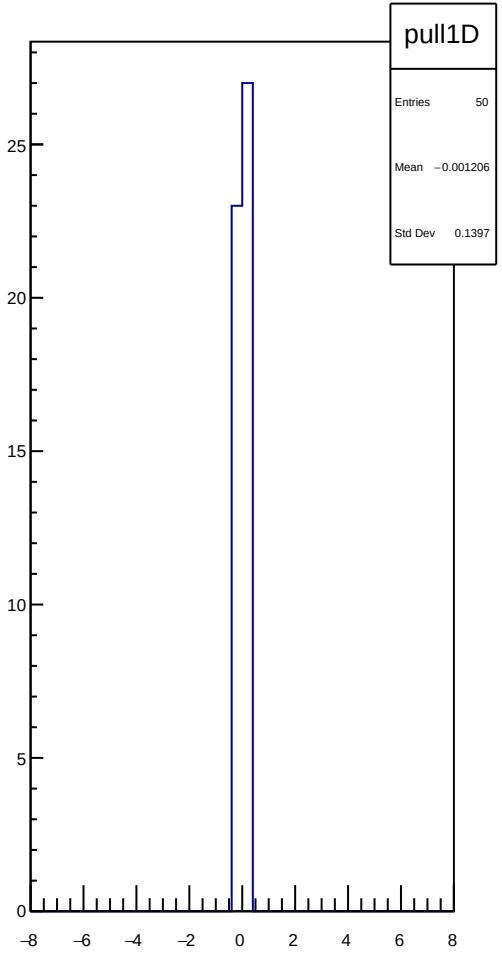

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.9502 / 49
p0 −52.37 ± 2.278
pull
Entries 50
Mean 1864
Std Dev 1829

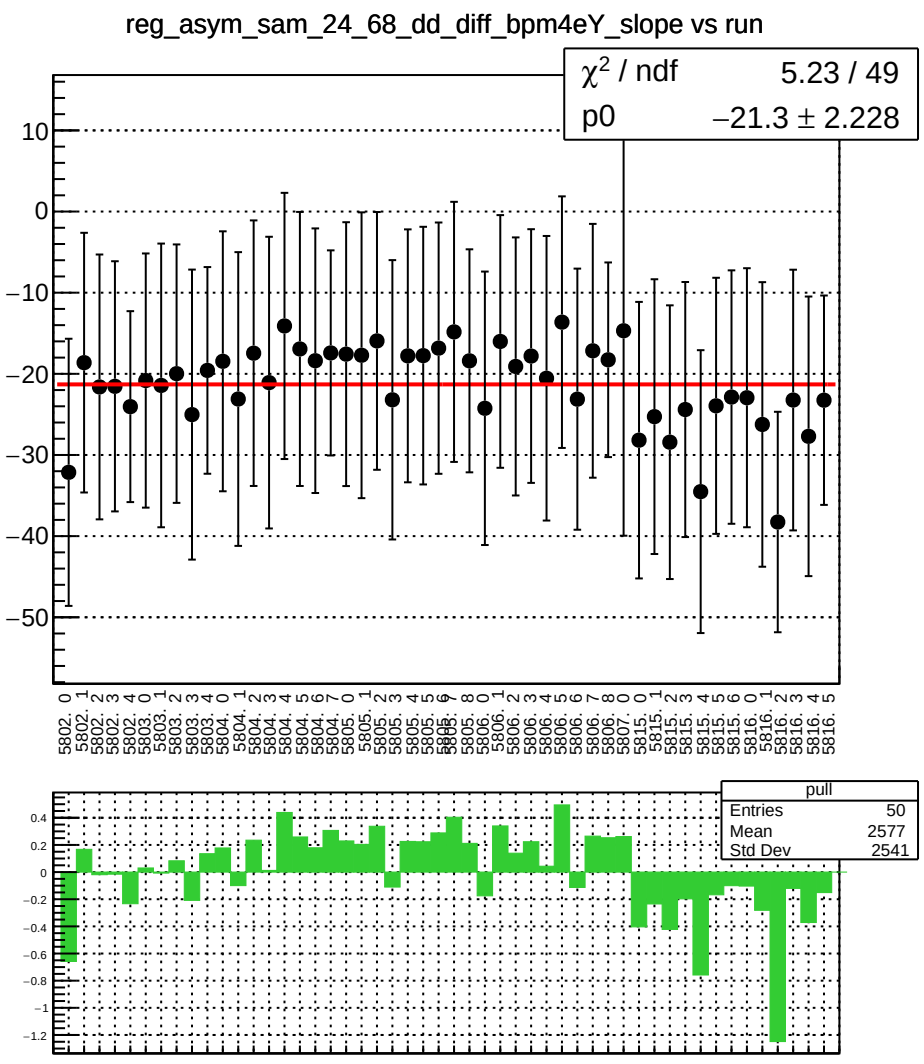

pull1D
Entries 50
Mean 0.0003258
Std Dev 0.1379

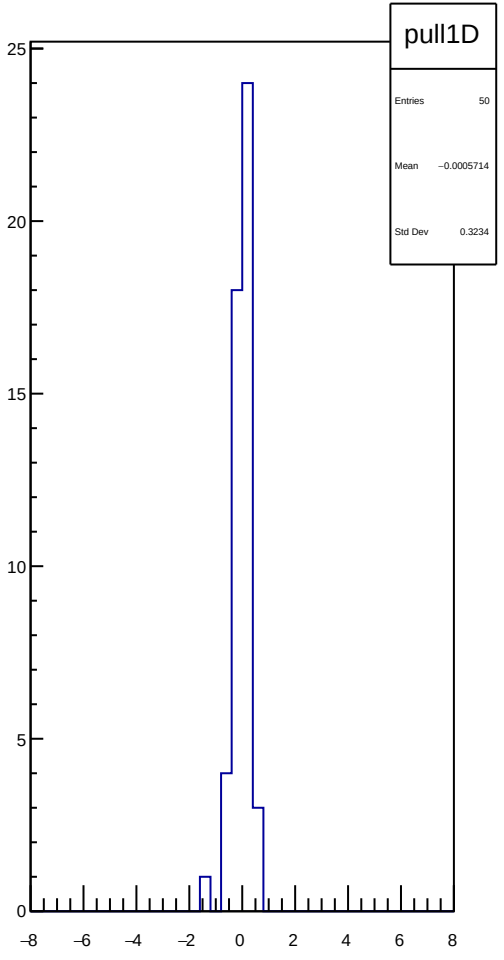

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.663 / 49
p0 −23.59 ± 2.037
pull
Entries 50
Mean 1562
Std Dev 1525

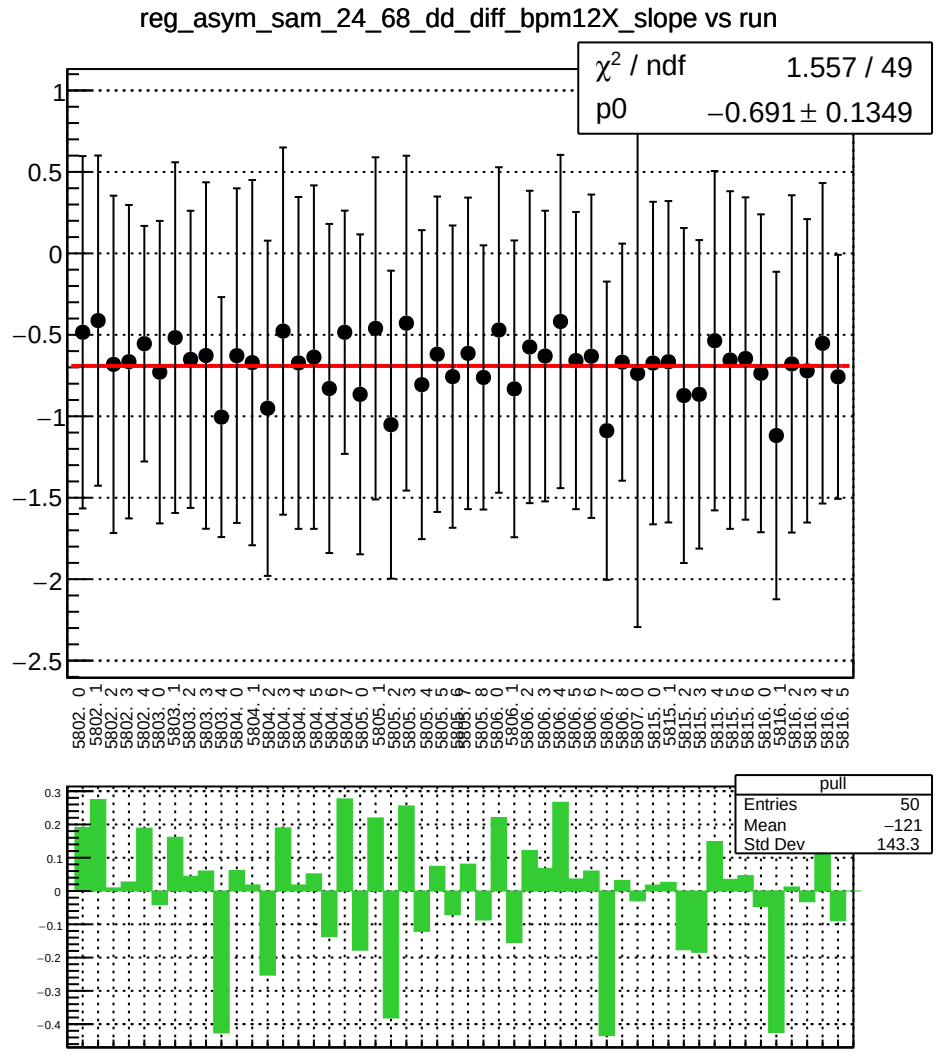

pull1D
Entries 50
Mean 0.001036
Std Dev 0.3365

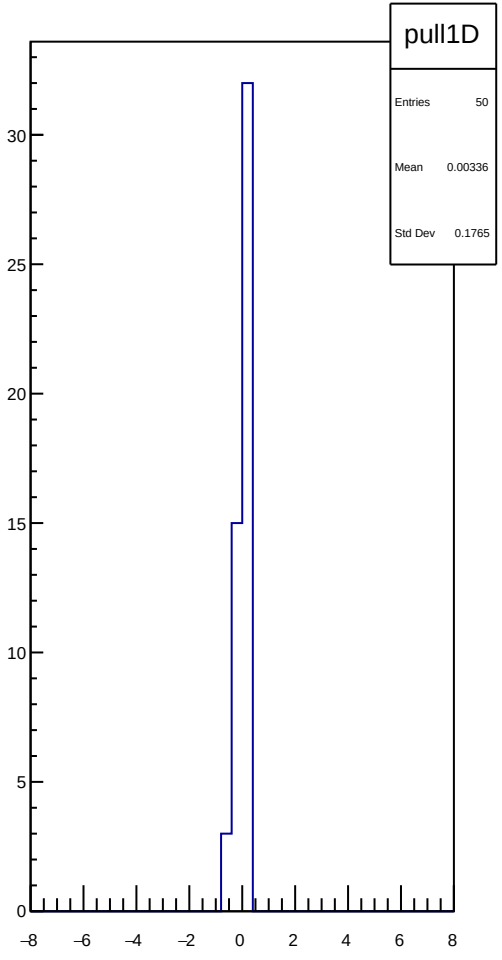

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9759 / 49
p0 −49.04 ± 2.901
pull
Entries 50
Mean 426.4
Std Dev 390.3

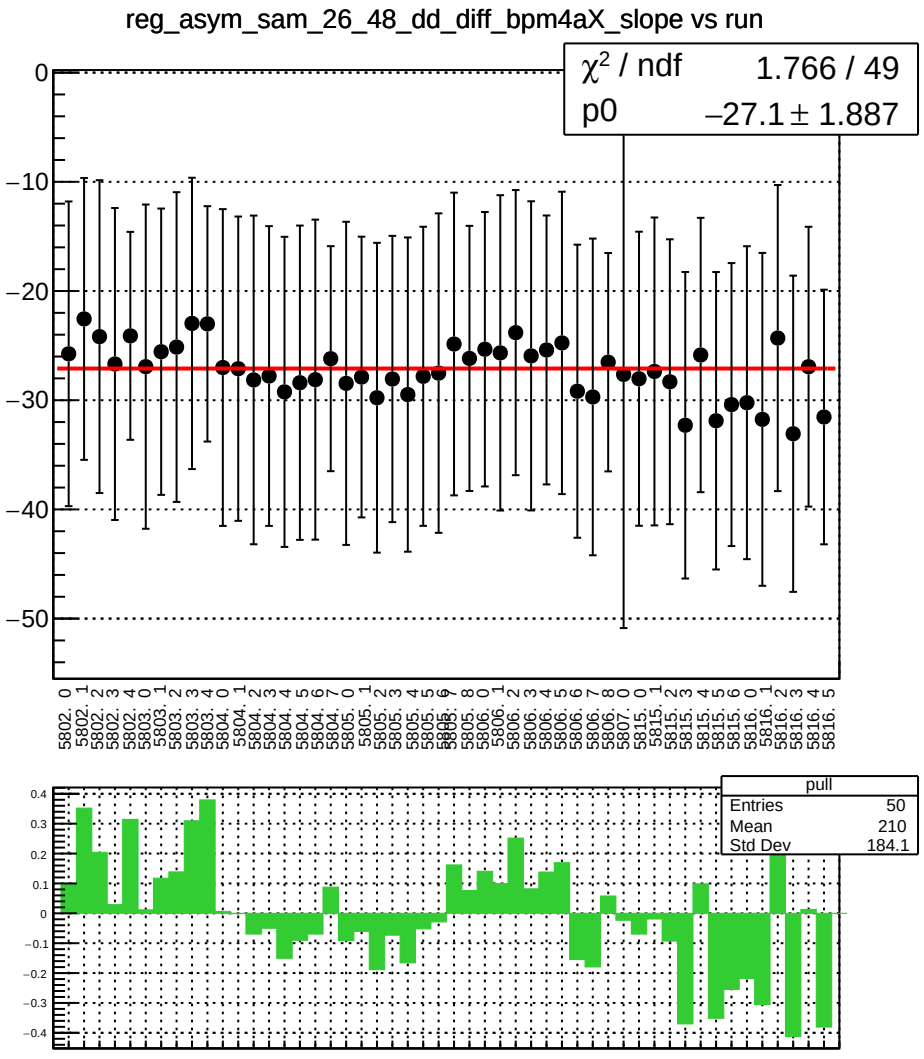

pull1D
Entries 50
Mean −0.001206
Std Dev 0.1397

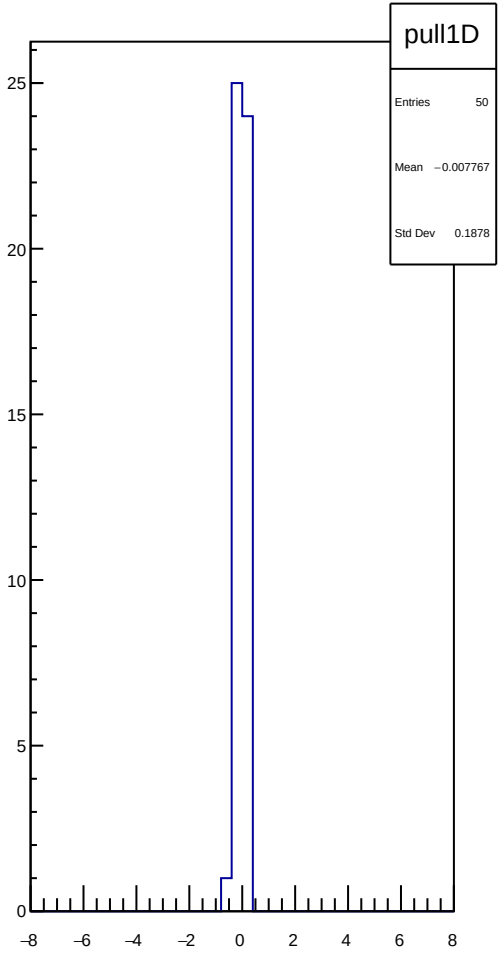

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.23 / 49
p0 −21.3 ± 2.228
pull
Entries 50
Mean 2577
Std Dev 2541

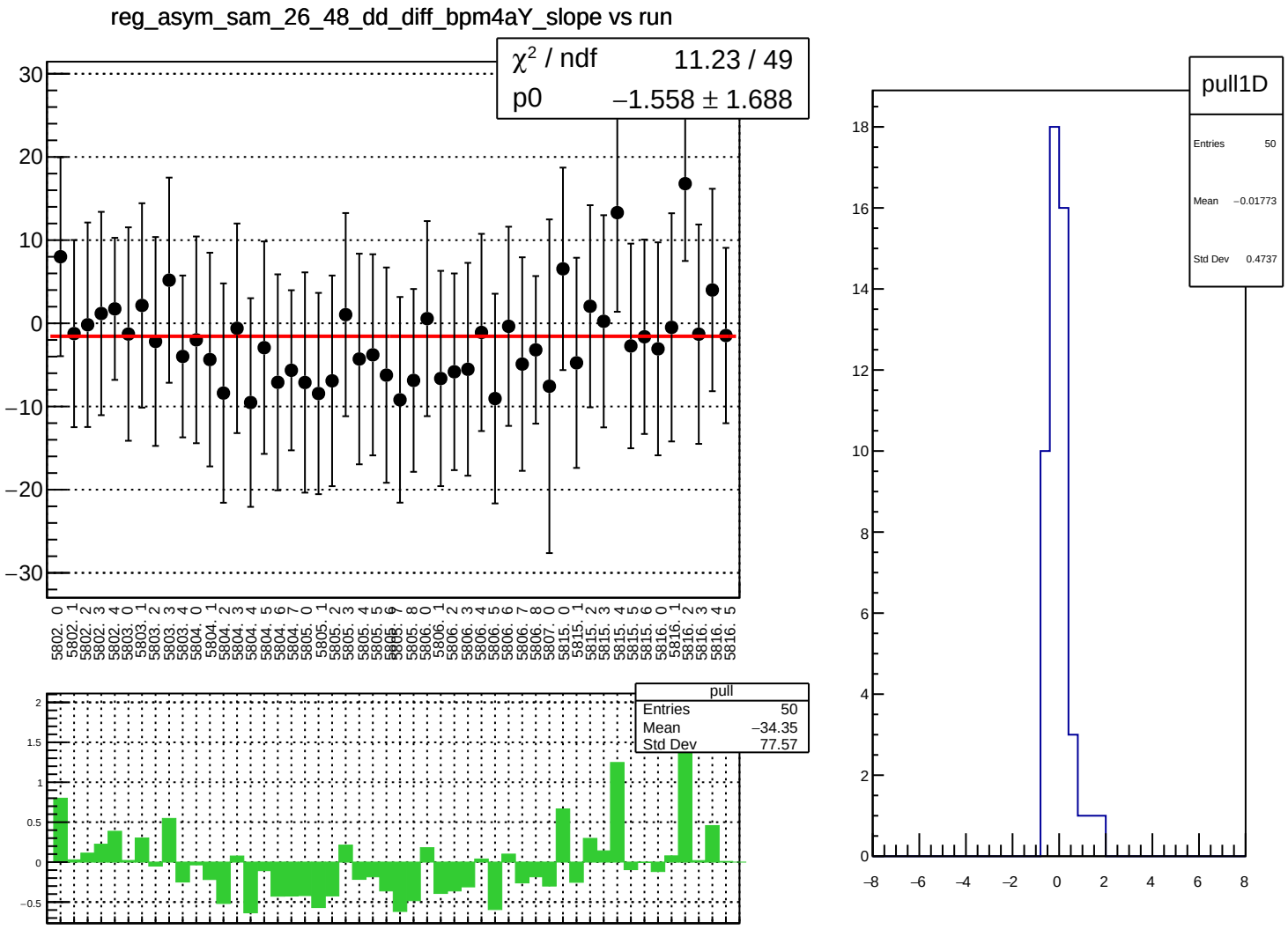

pull1D
Entries 50
Mean −0.0005714
Std Dev 0.3234

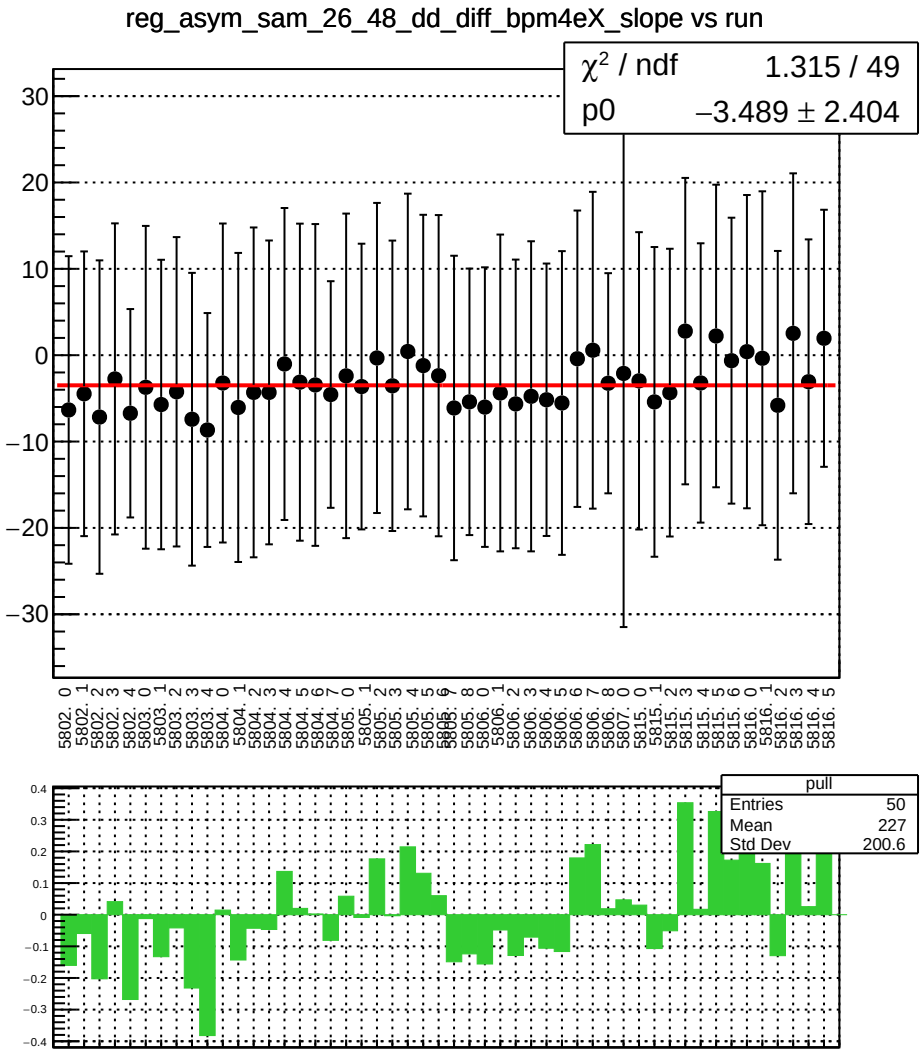

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.557 / 49
p0 −0.691 ± 0.1349
pull
Entries 50
Mean −121
Std Dev 143.3

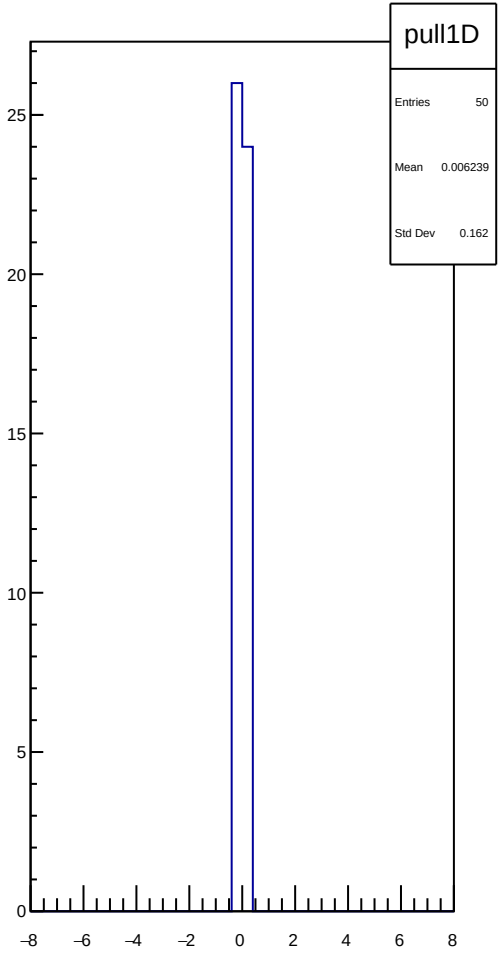

pull1D
Entries 50
Mean 0.00336
Std Dev 0.1765

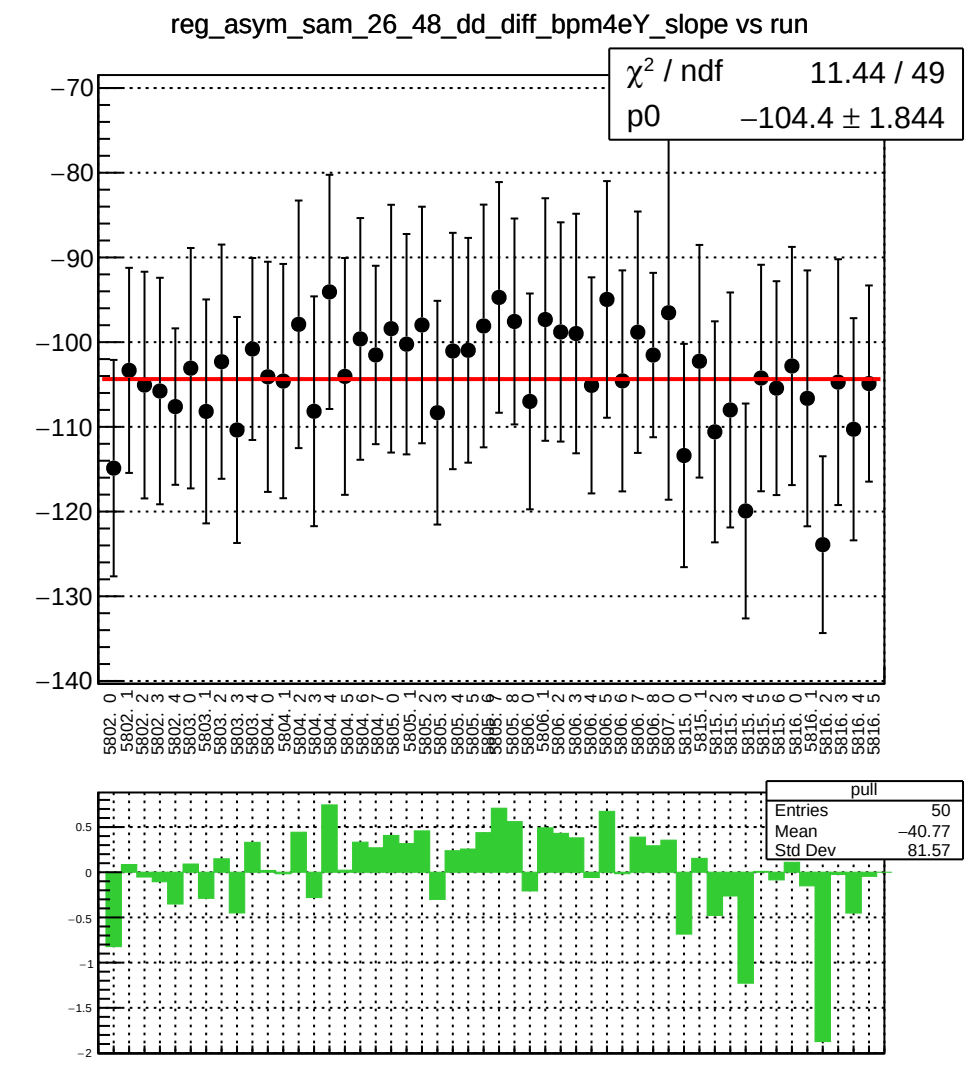

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.766 / 49
p0 −27.1 ± 1.887
pull
Entries 50
Mean 210
Std Dev 184.1

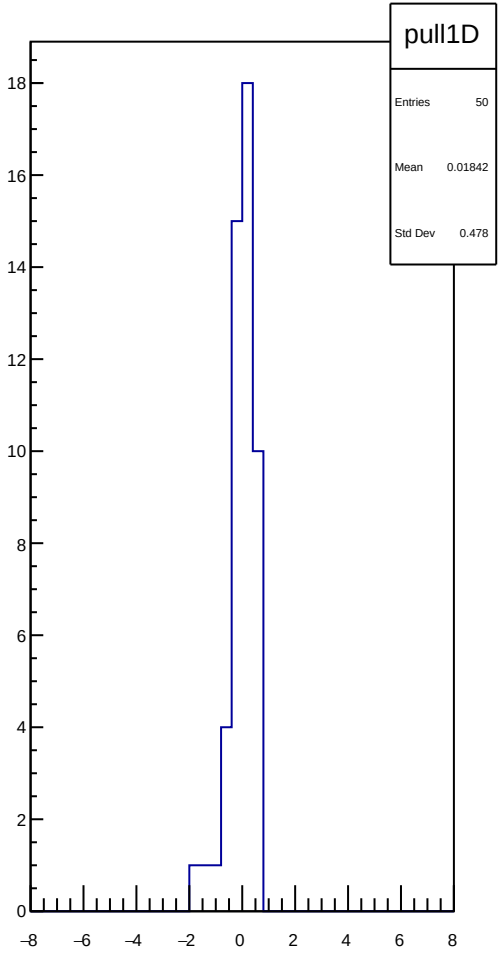

pull1D
Entries 50
Mean −0.007767
Std Dev 0.1878

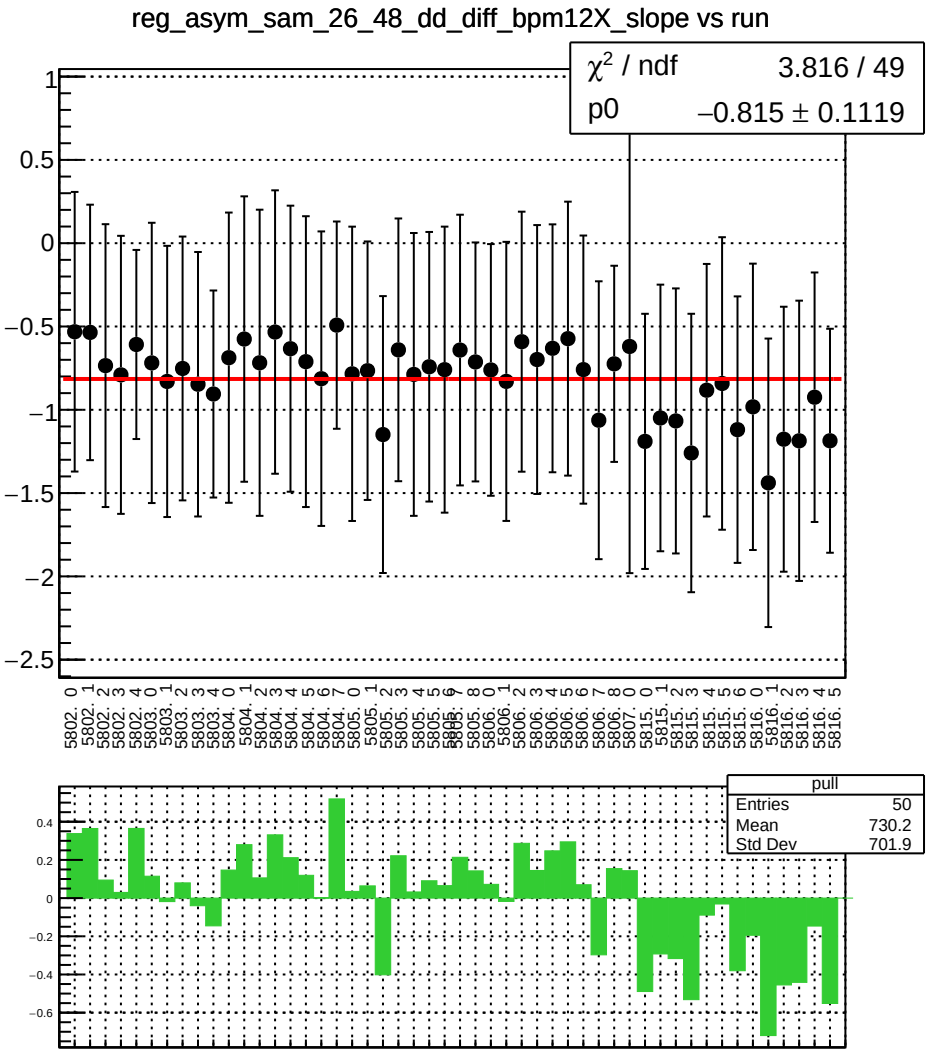

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.23 / 49
p0 −1.558 ± 1.688
pull
Entries 50
Mean −34.35
Std Dev 77.57
pull1D
Entries 50
Mean −0.01773
Std Dev 0.4737

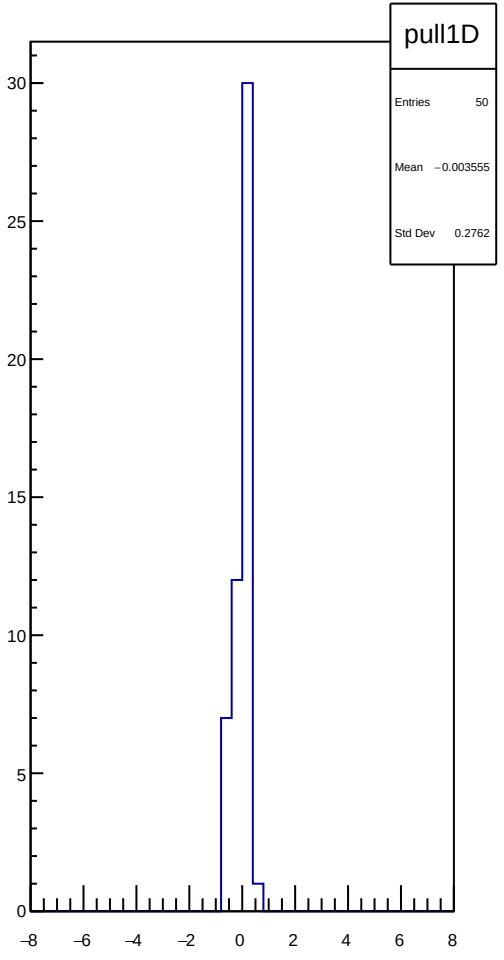

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.315 / 49
p0 −3.489 ± 2.404
pull
Entries 50
Mean 227
Std Dev 200.6

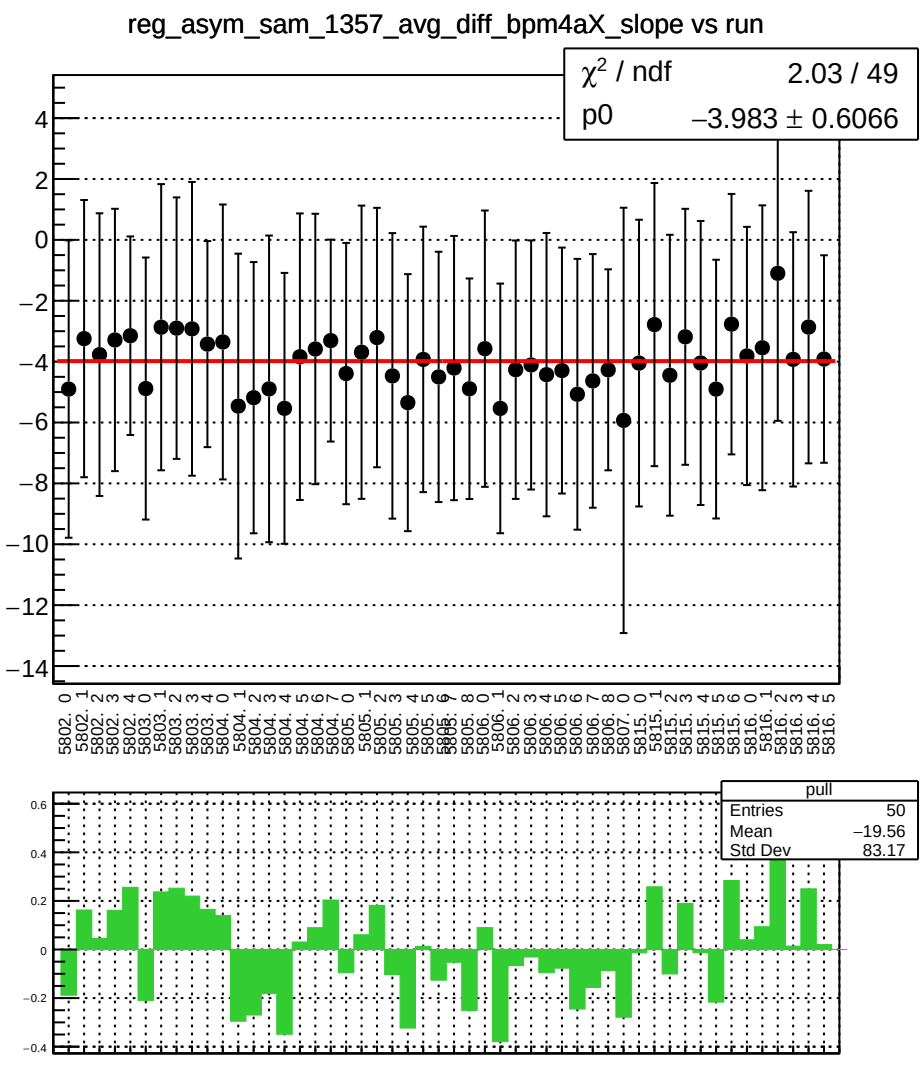

pull1D
Entries 50
Mean 0.006239
Std Dev 0.162

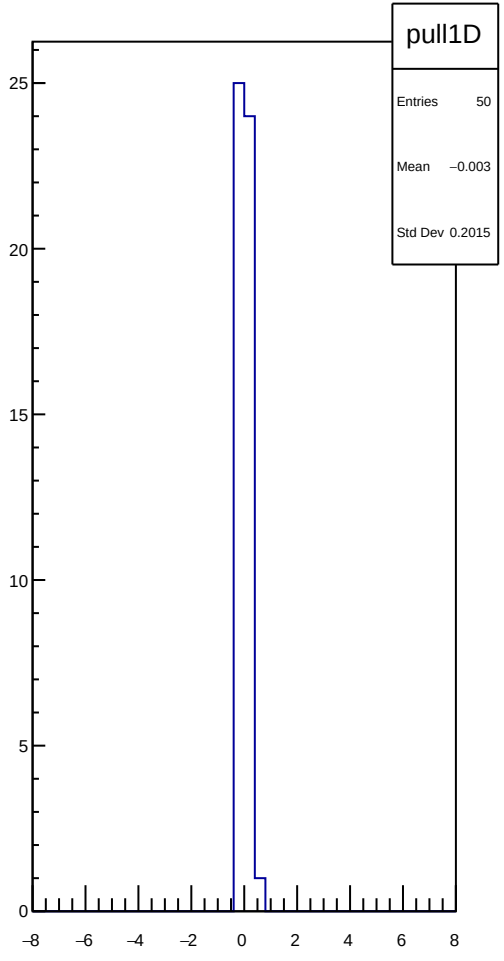

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.44 / 49
p0 −104.4 ± 1.844
pull
Entries 50
Mean −40.77
Std Dev 81.57

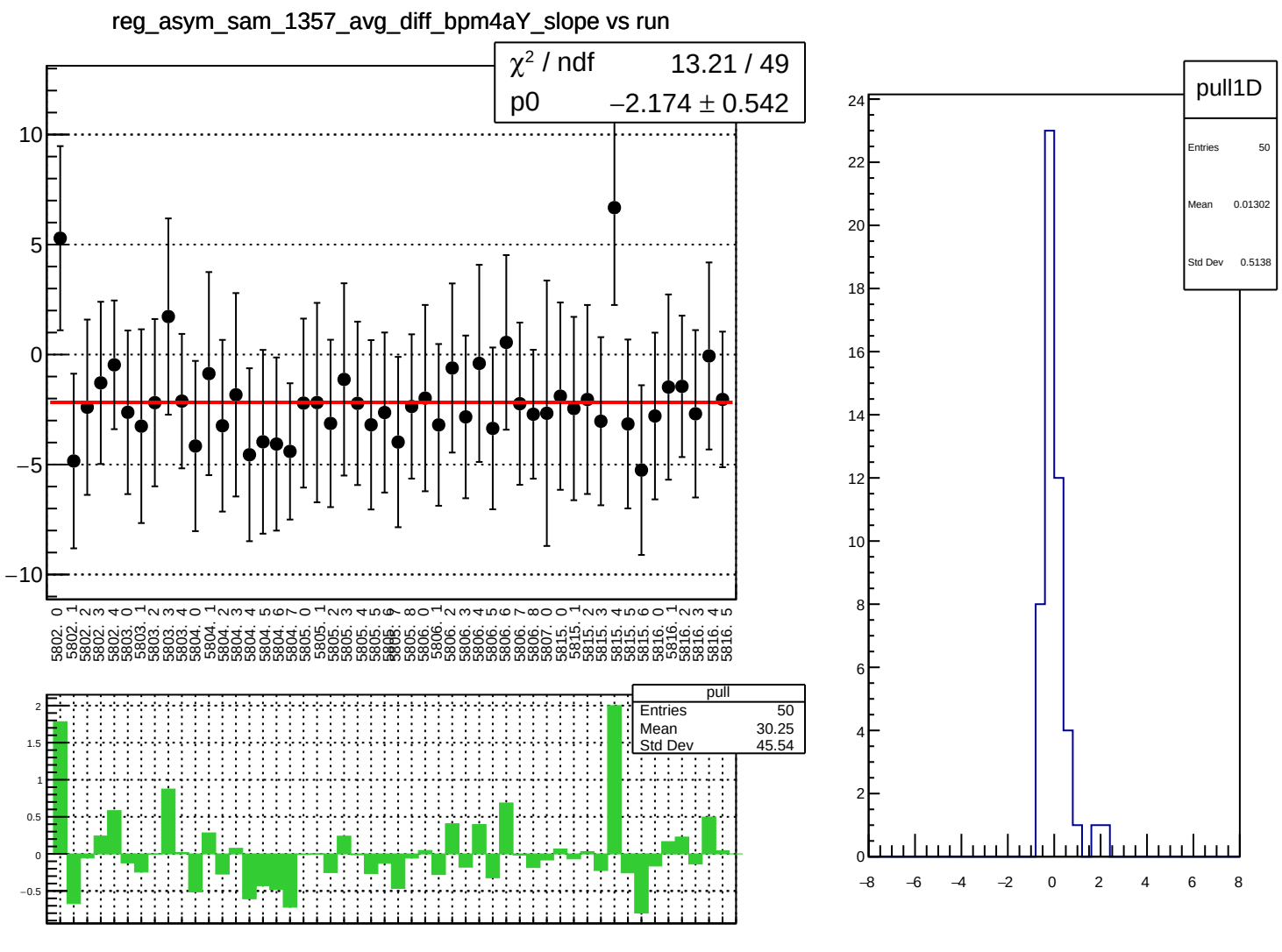

pull1D
Entries 50
Mean 0.01842
Std Dev 0.478

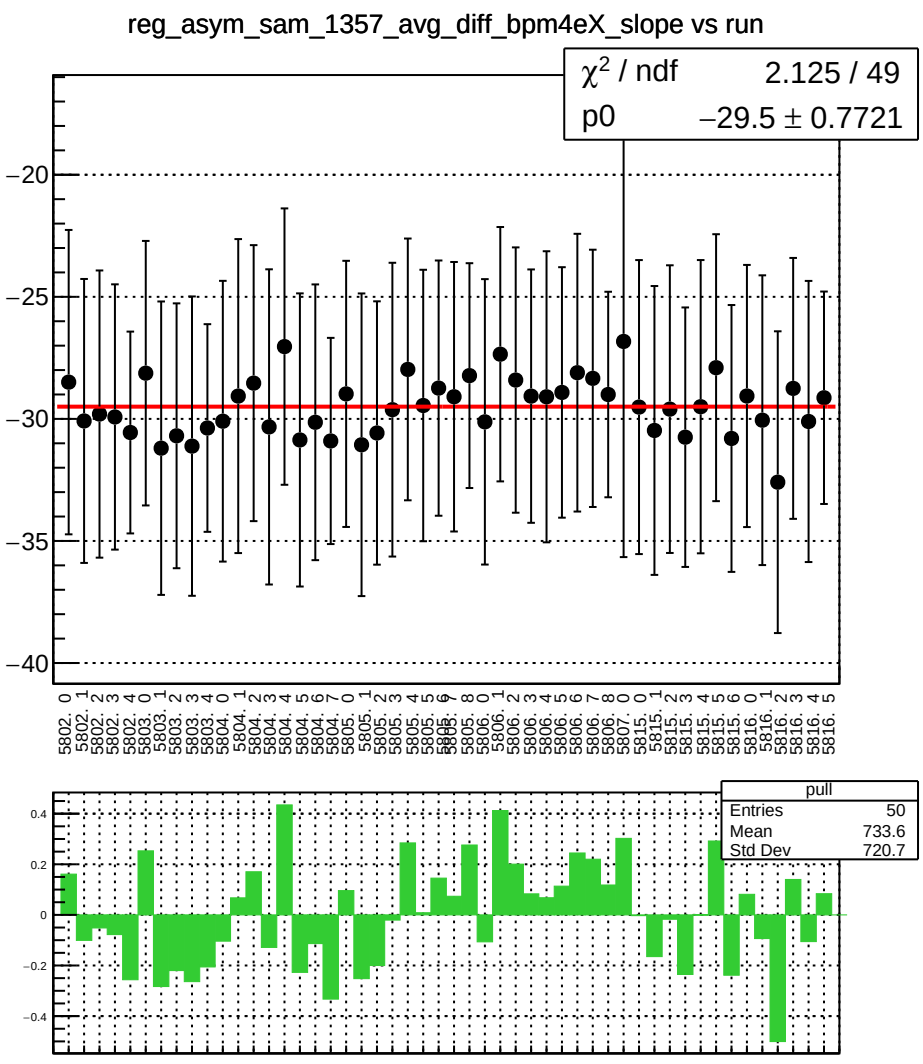

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.816 / 49
p0 −0.815 ± 0.1119
pull
Entries 50
Mean 730.2
Std Dev 701.9

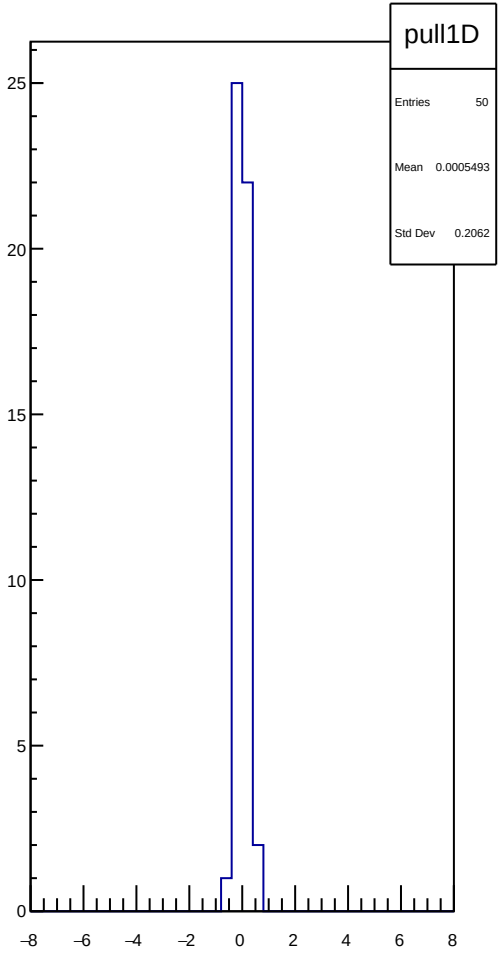

pull1D
Entries 50
Mean −0.003555
Std Dev 0.2762

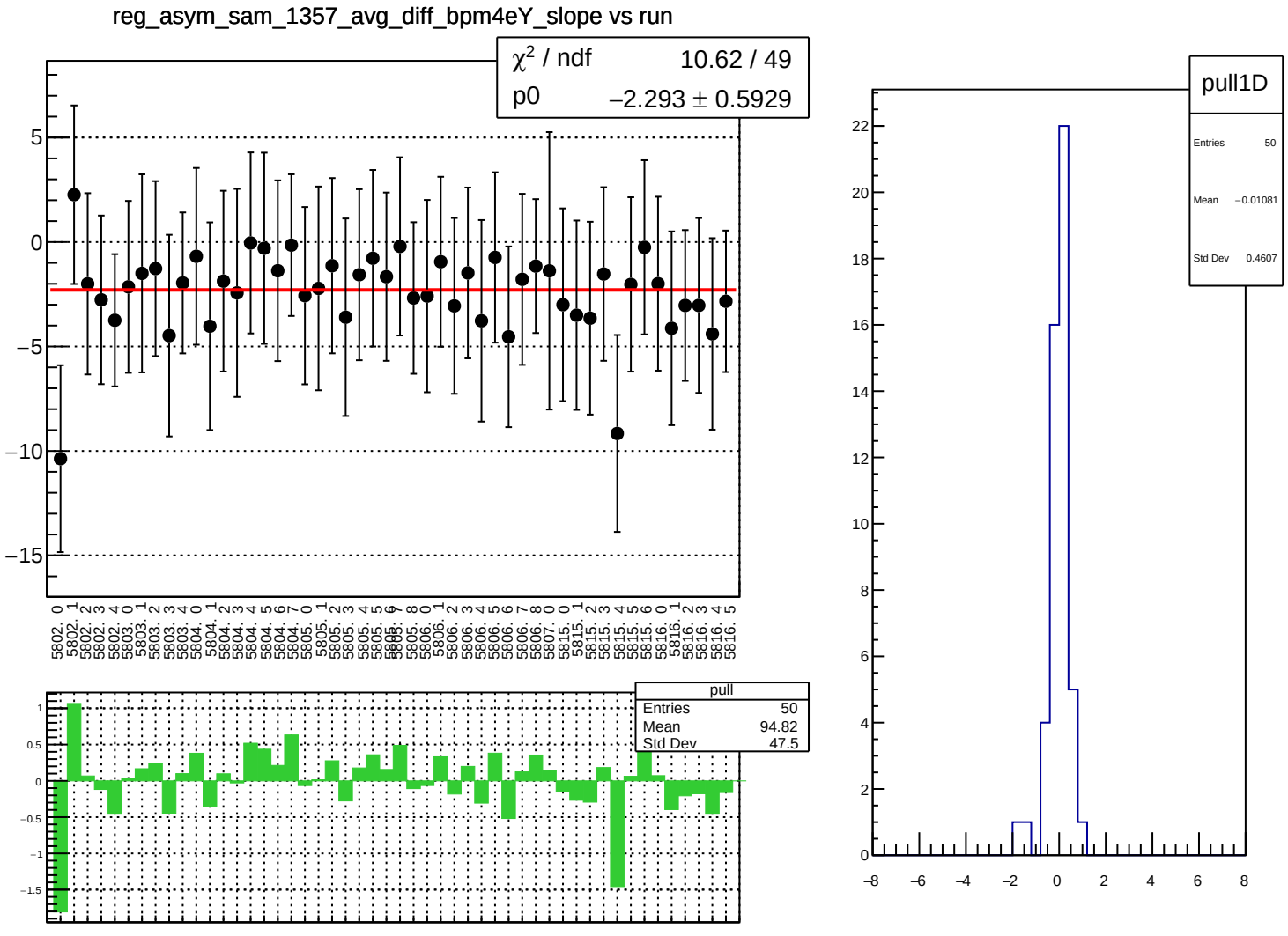

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.03 / 49
p0 −3.983 ± 0.6066
pull
Entries 50
Mean −19.56
Std Dev 83.17

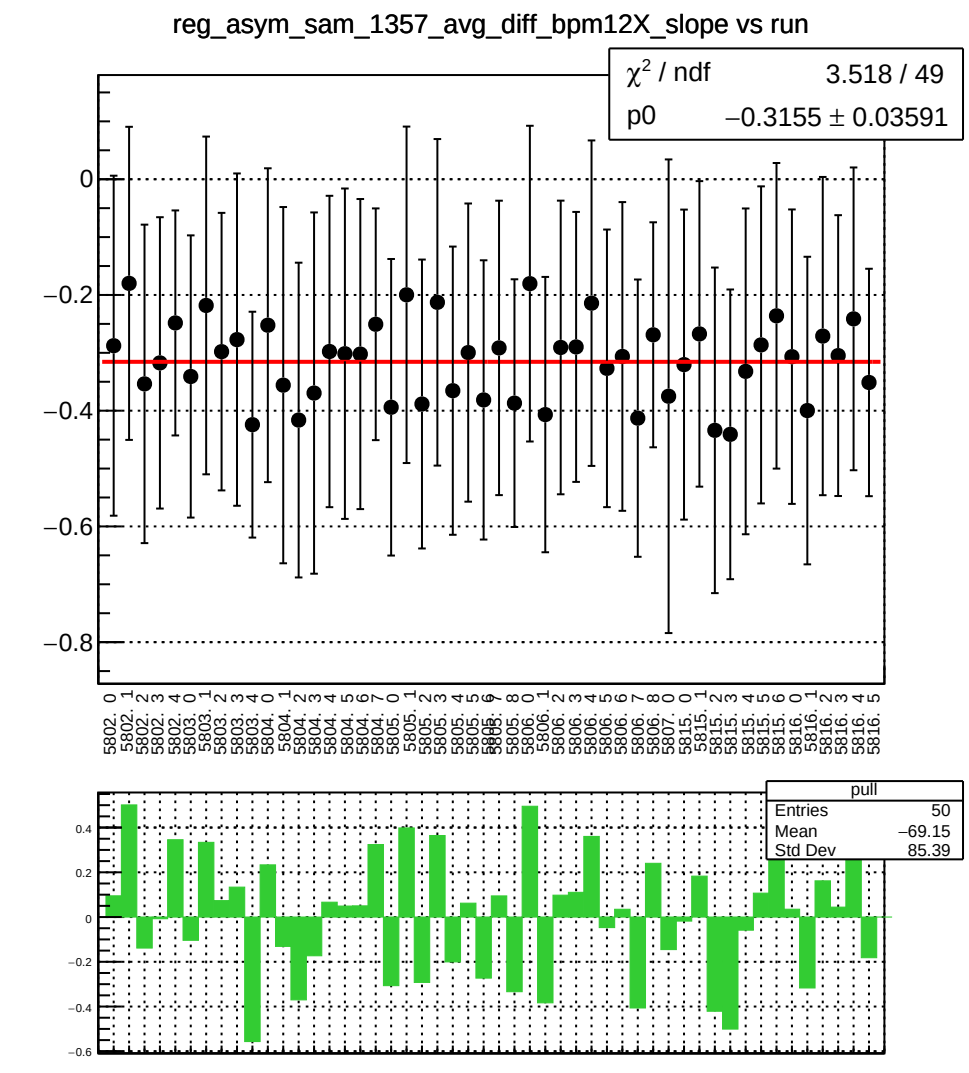

pull1D
Entries 50
Mean −0.003
Std Dev 0.2015

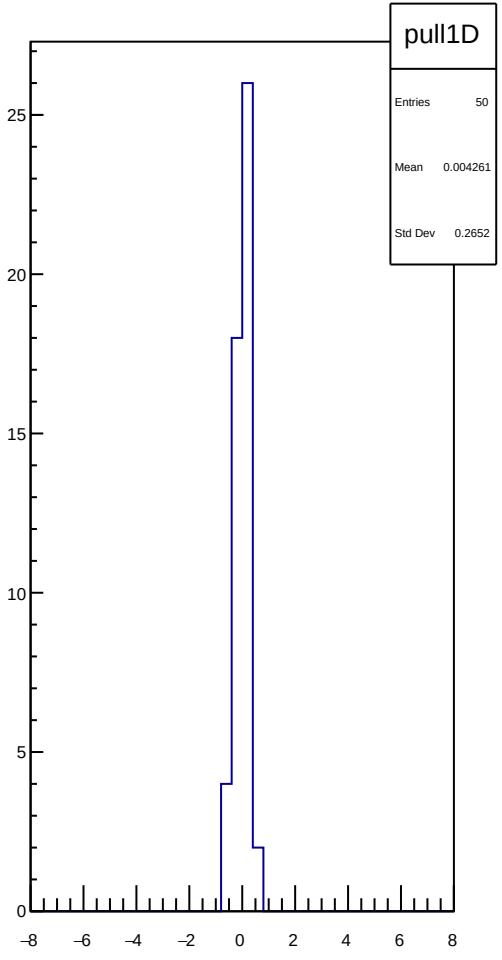

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.21 / 49
p0 −2.174 ± 0.542
pull
Entries 50
Mean 30.25
Std Dev 45.54
pull1D
Entries 50
Mean 0.01302
Std Dev 0.5138

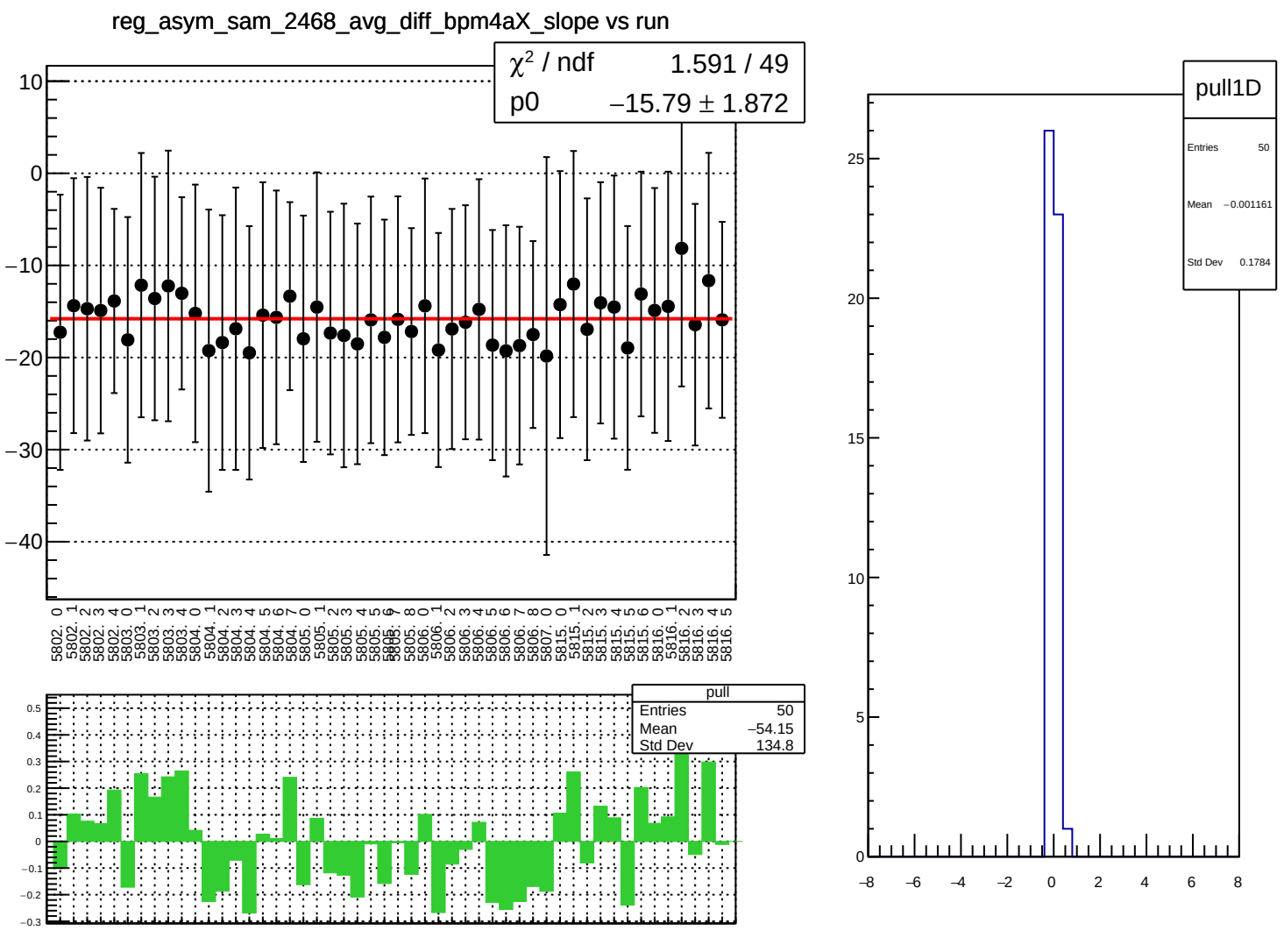

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.125 / 49
p0 −29.5 ± 0.7721
pull
Entries 50
Mean 733.6
Std Dev 720.7

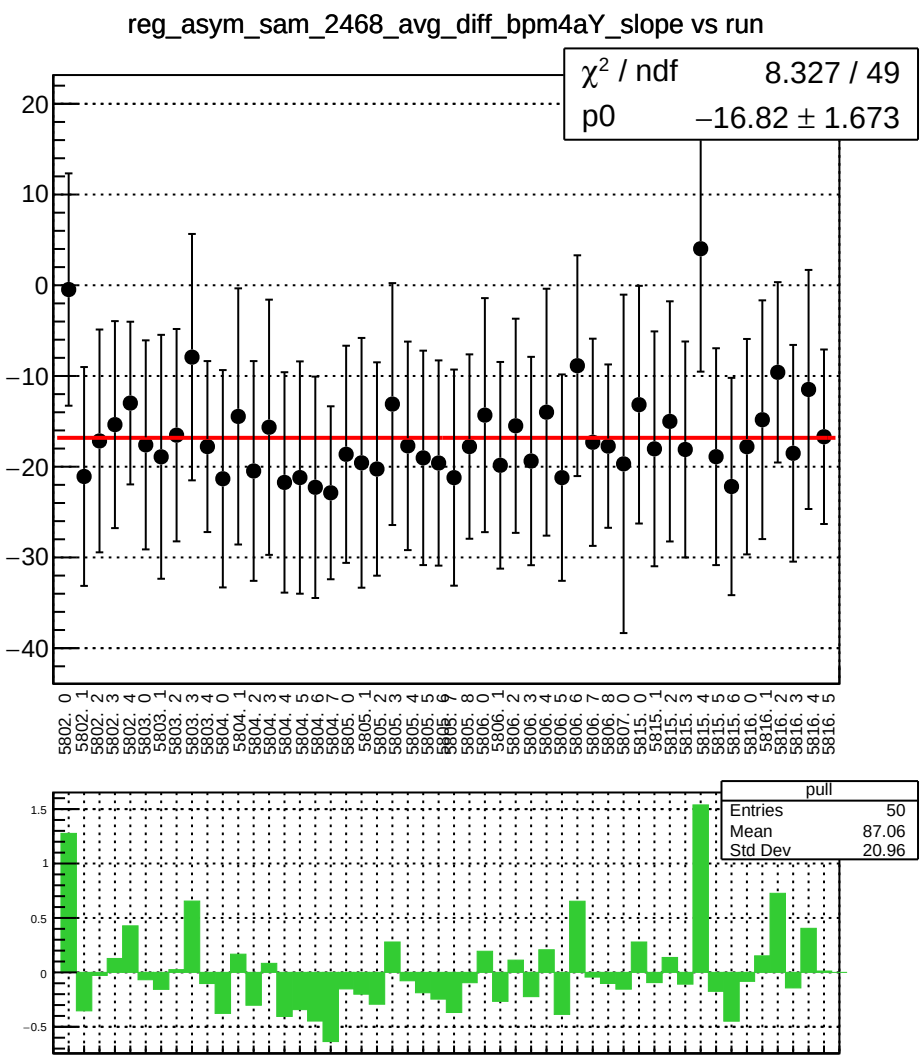

pull1D
Entries 50
Mean 0.0005493
Std Dev 0.2062

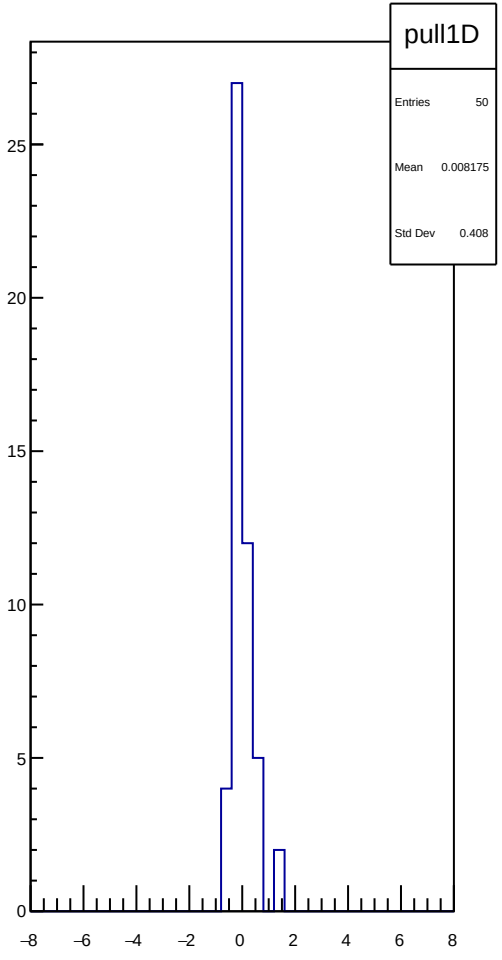

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.62 / 49
p0 −2.293 ± 0.5929
pull
Entries 50
Mean 94.82
Std Dev 47.5
pull1D
Entries 50
Mean −0.01081
Std Dev 0.4607

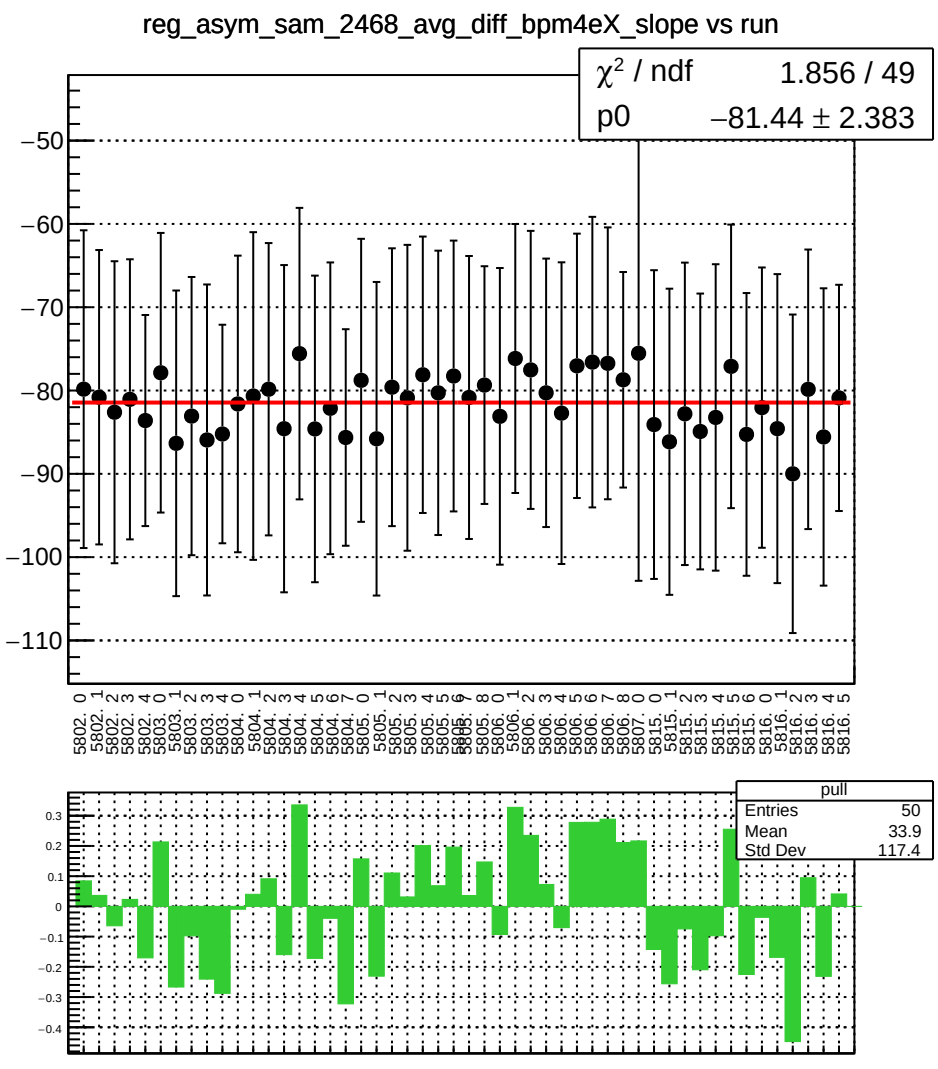

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.518 / 49
p0 −0.3155 ± 0.03591
pull
Entries 50
Mean −69.15
Std Dev 85.39

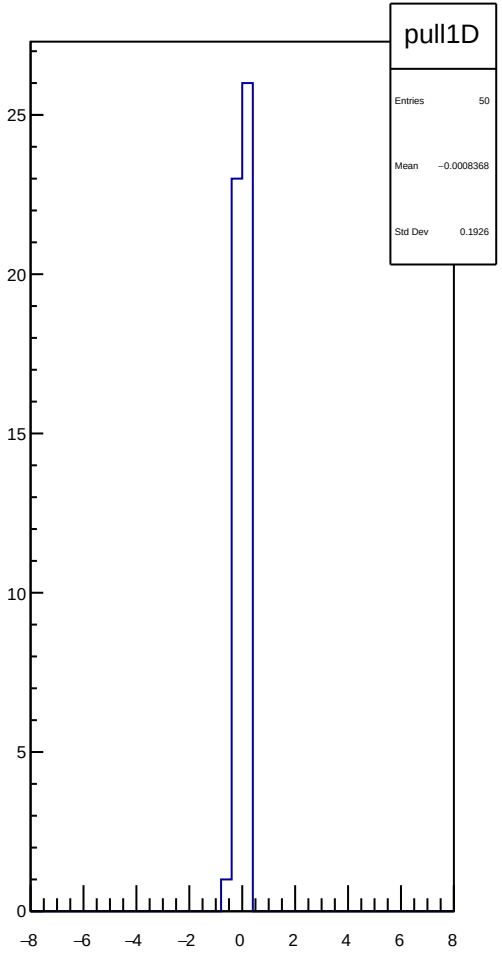

pull1D
Entries 50
Mean 0.004261
Std Dev 0.2652

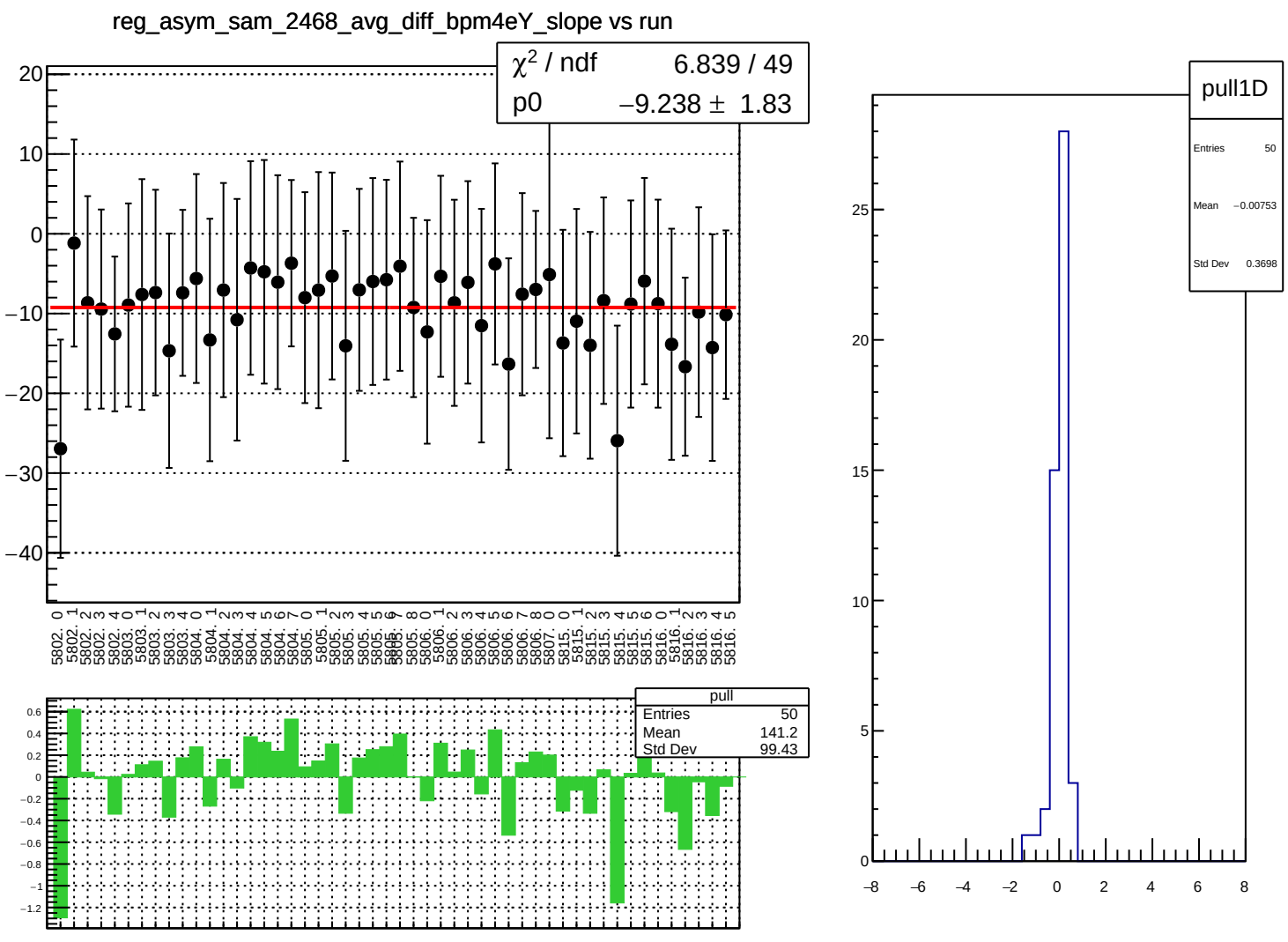

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.591 / 49
p0 −15.79 ± 1.872
pull
Entries 50
Mean −54.15
Std Dev 134.8
pull1D
Entries 50
Mean −0.001161
Std Dev 0.1784

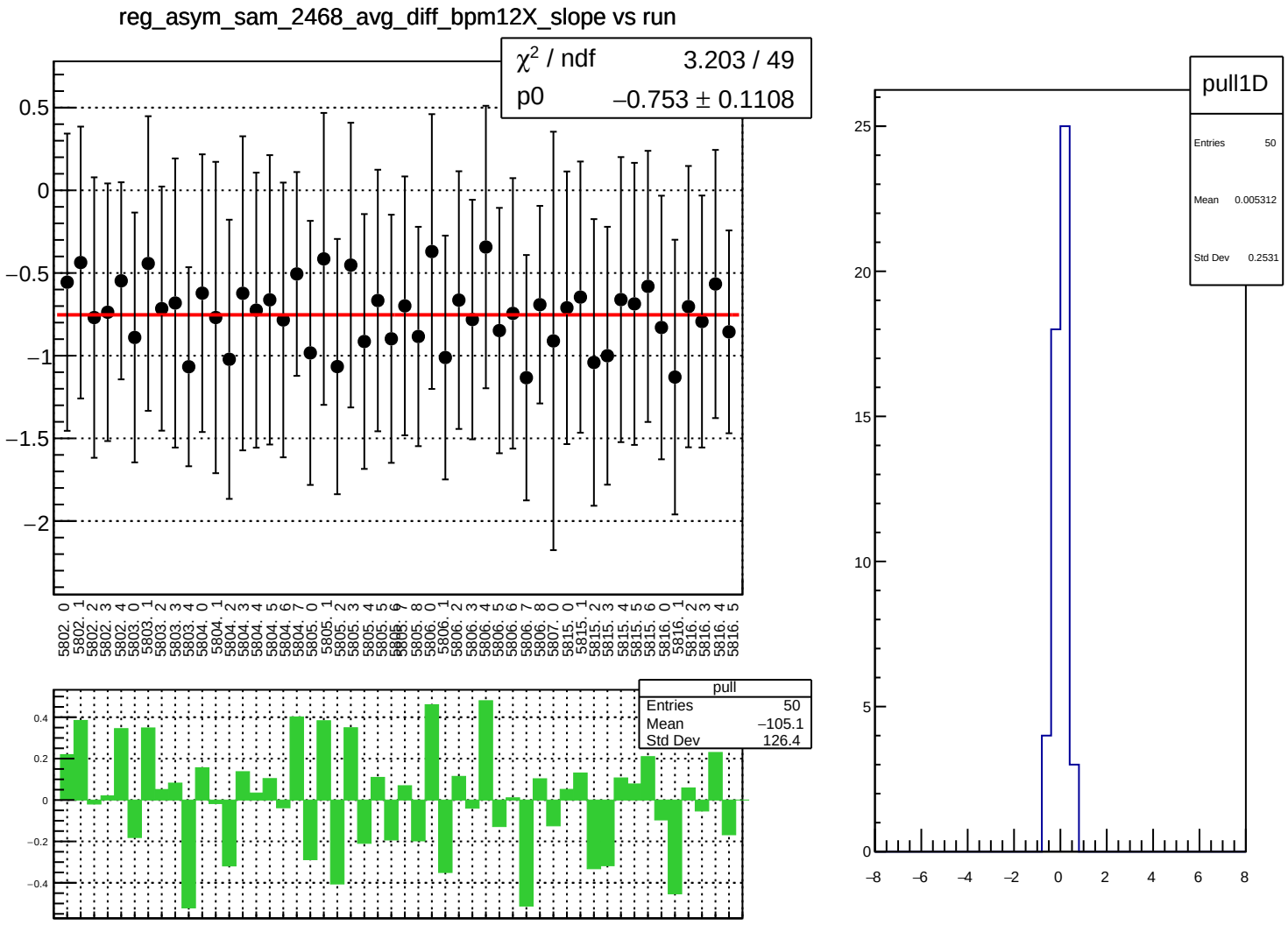

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.327 / 49
p0 −16.82 ± 1.673
pull
Entries 50
Mean 87.06
Std Dev 20.96

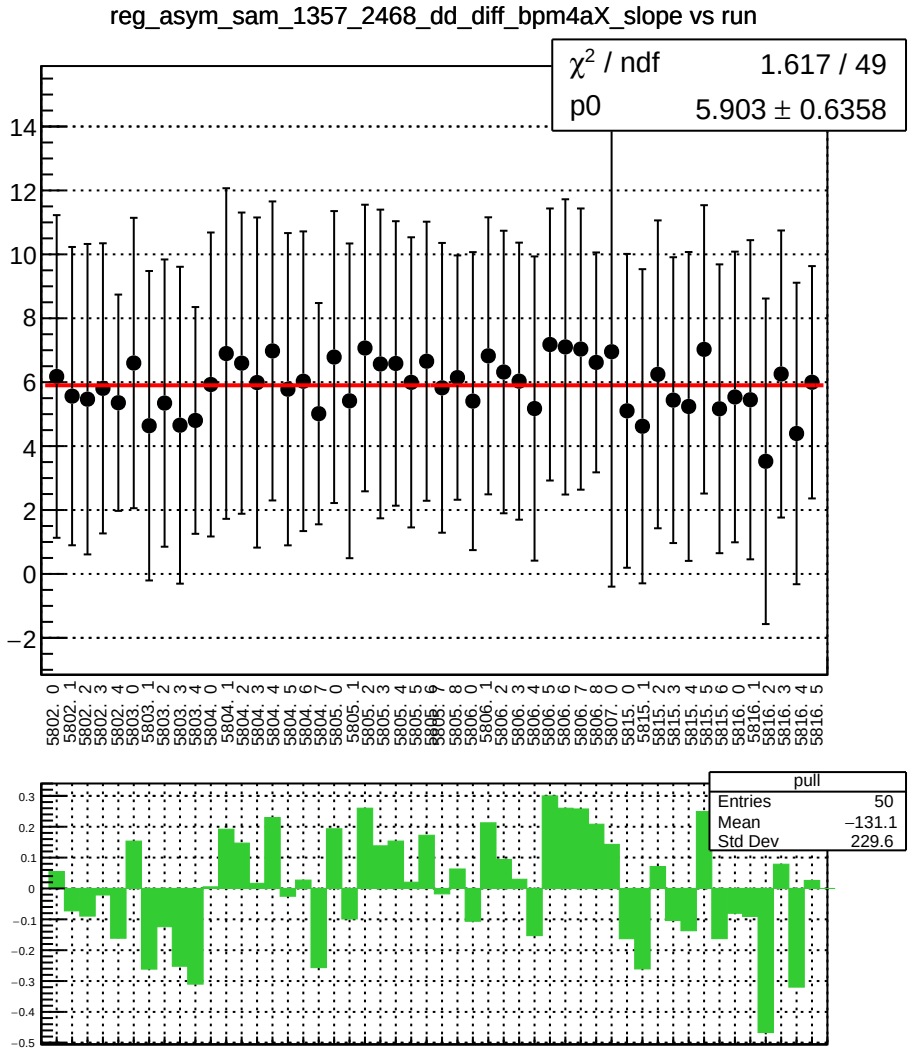

pull1D
Entries 50
Mean 0.008175
Std Dev 0.408

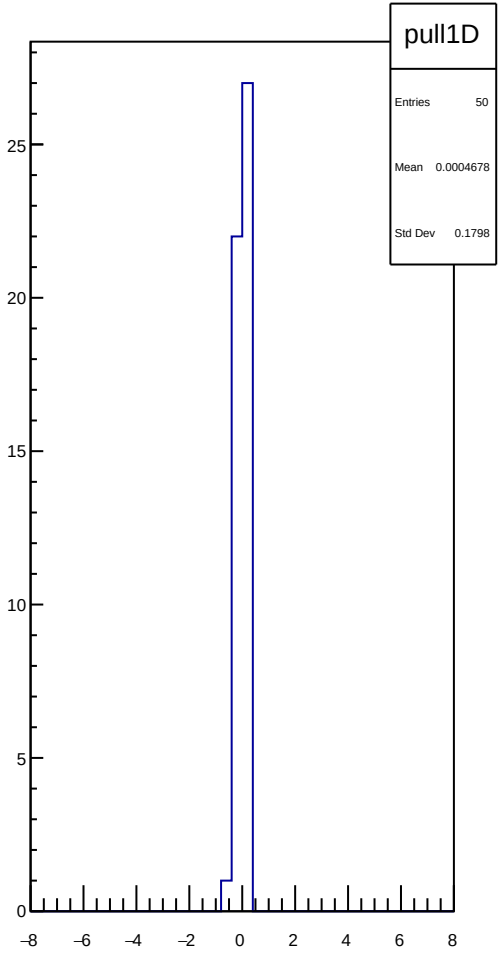

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.856 / 49
p0 −81.44 ± 2.383
pull
Entries 50
Mean 33.9
Std Dev 117.4

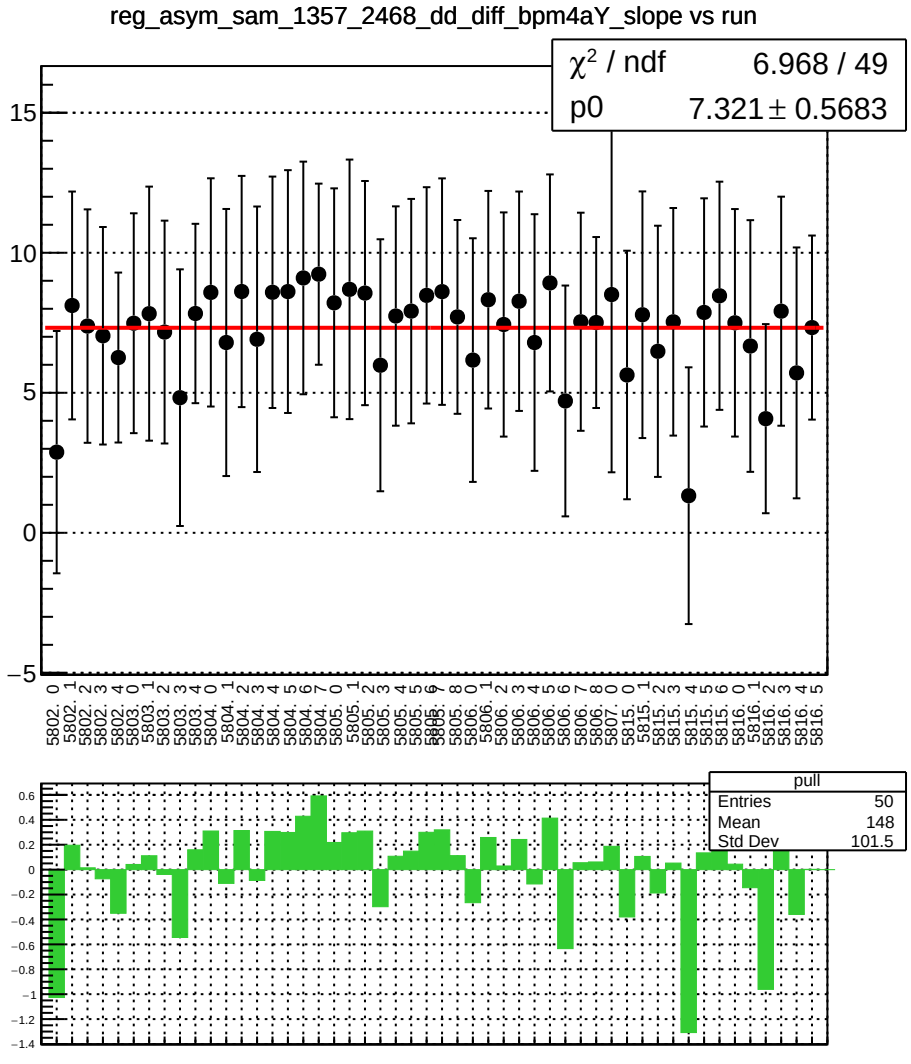

pull1D
Entries 50
Mean −0.0008368
Std Dev 0.1926

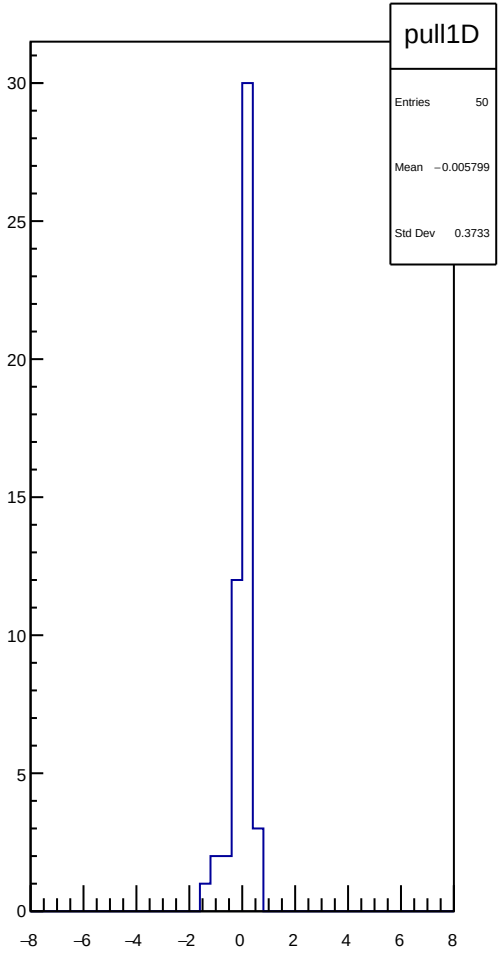

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.839 / 49
p0 −9.238 ± 1.83
pull
Entries 50
Mean 141.2
Std Dev 99.43
pull1D
Entries 50
Mean −0.00753
Std Dev 0.3698

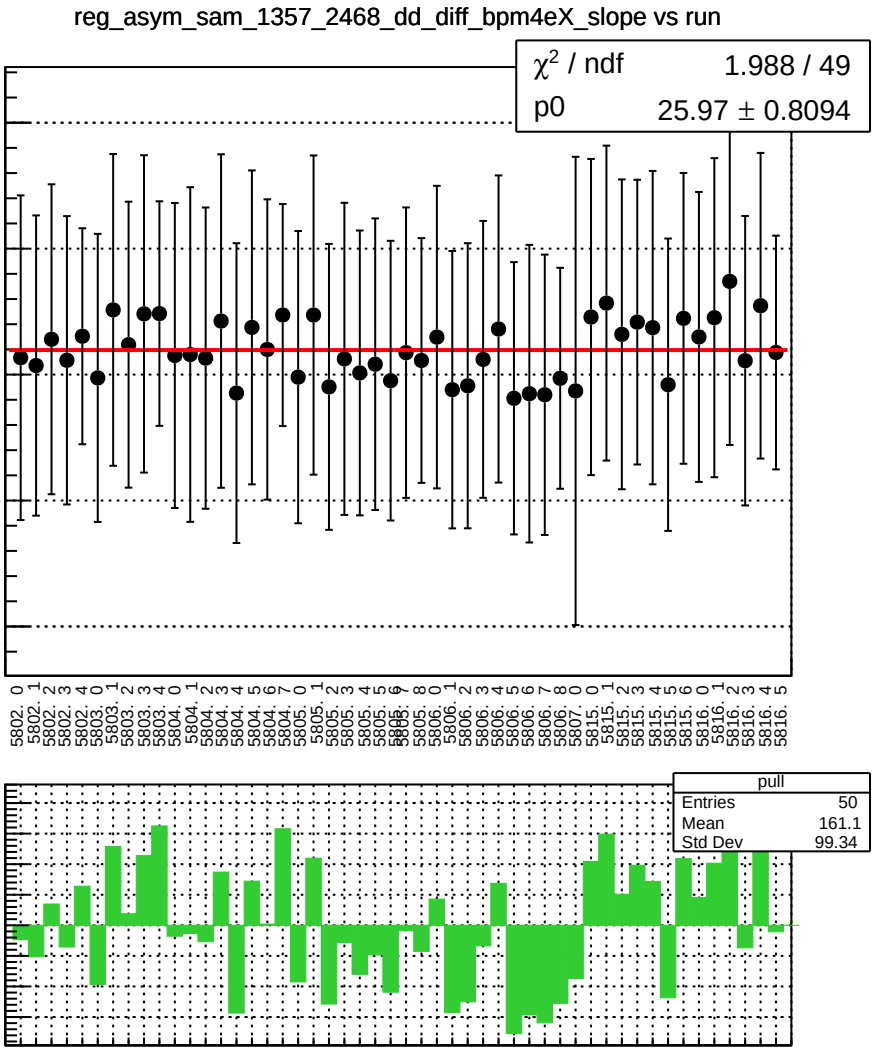

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.203 / 49
p0 −0.753 ± 0.1108
pull
Entries 50
Mean −105.1
Std Dev 126.4
pull1D
Entries 50
Mean 0.005312
Std Dev 0.2531

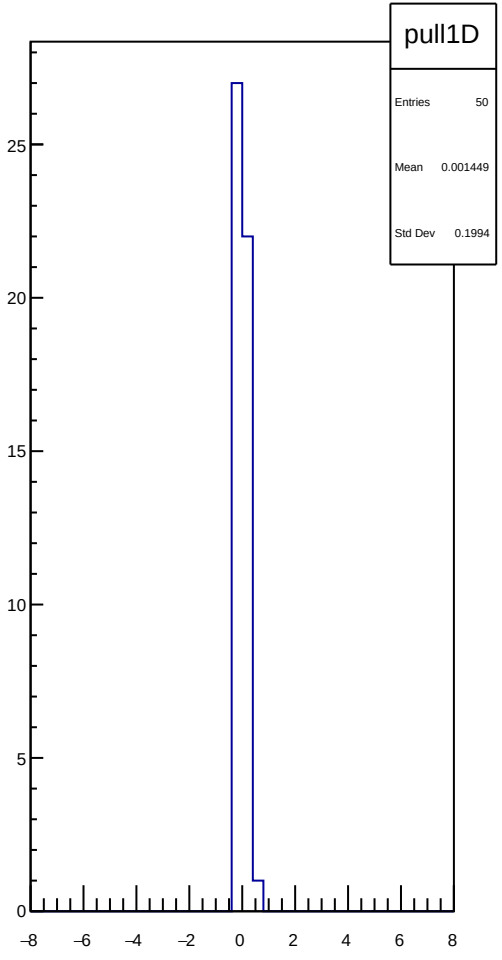

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.617 / 49
p0 5.903 ± 0.6358
pull
Entries 50
Mean −131.1
Std Dev 229.6

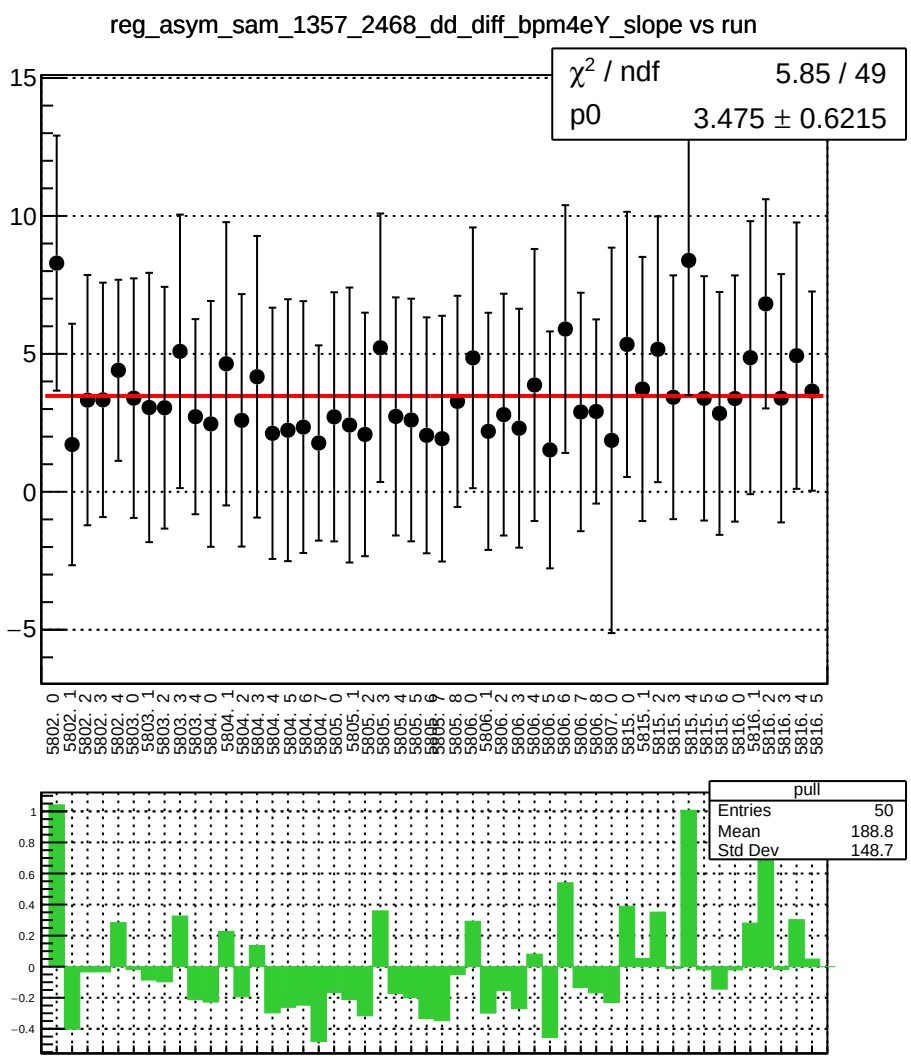

pull1D
Entries 50
Mean 0.0004678
Std Dev 0.1798

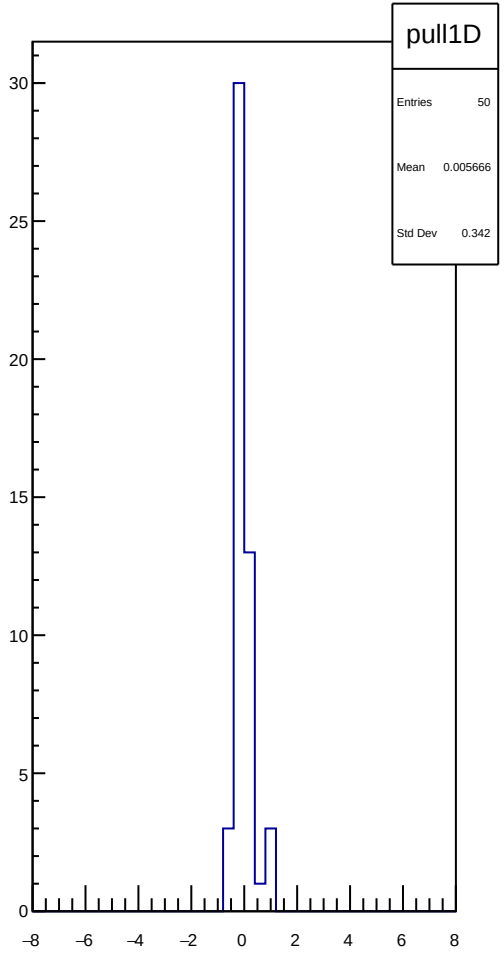

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.968 / 49
p0 7.321 ± 0.5683
pull
Entries 50
Mean 148
Std Dev 101.5

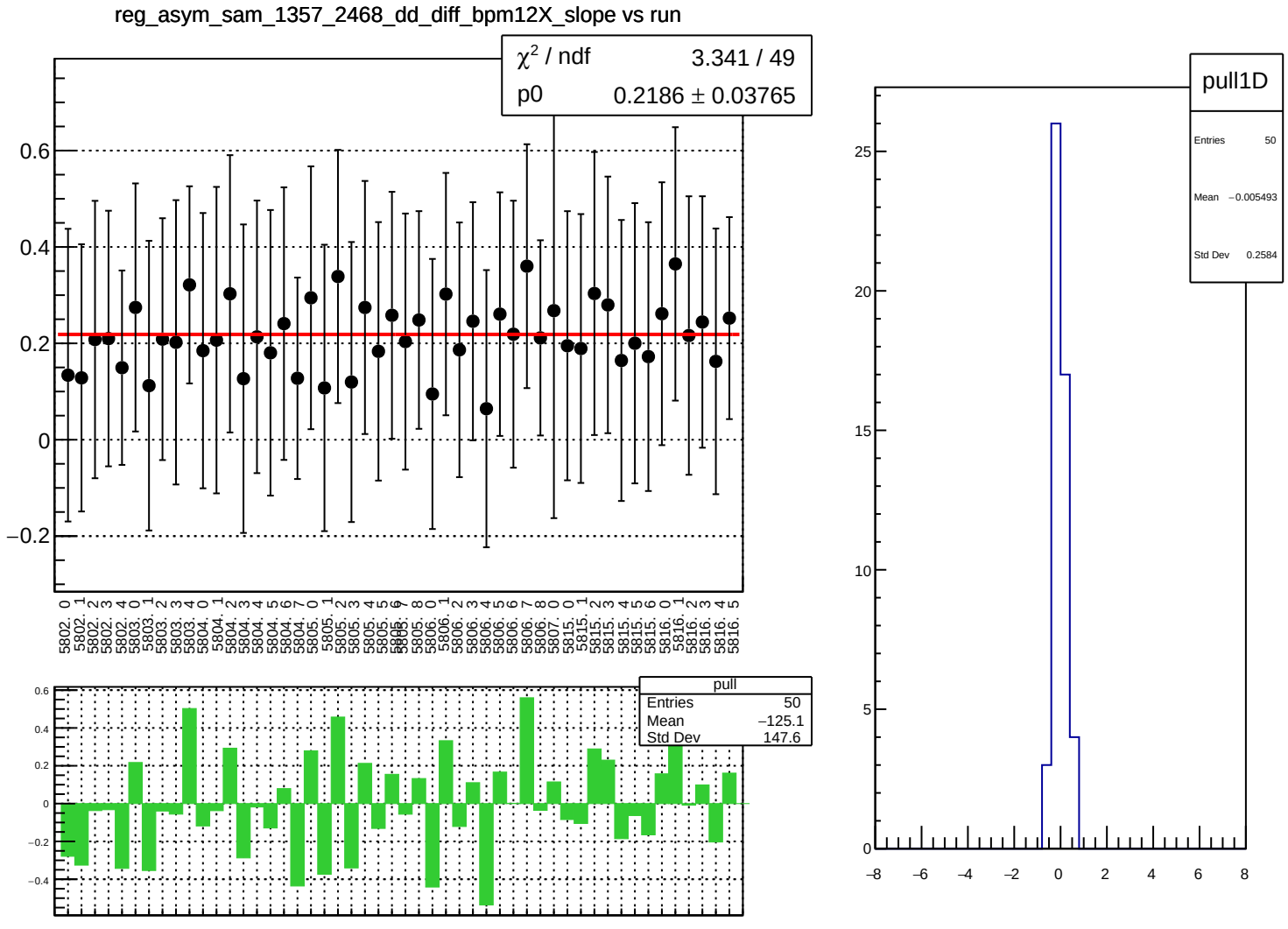

pull1D
Entries 50
Mean −0.005799
Std Dev 0.3733

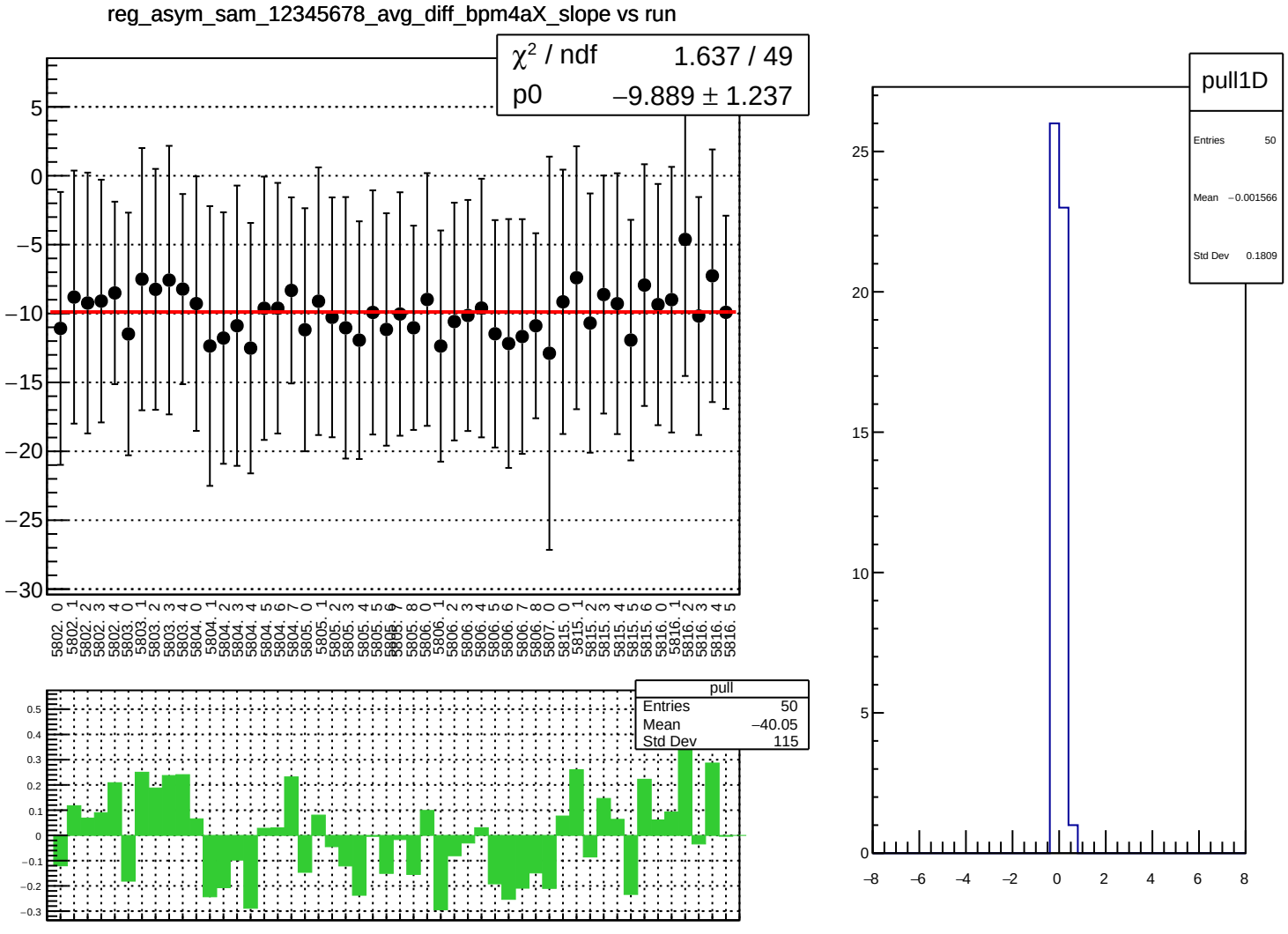

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.988 / 49
p0 25.97 ± 0.8094
pull
Entries 50
Mean 161.1
Std Dev 99.34

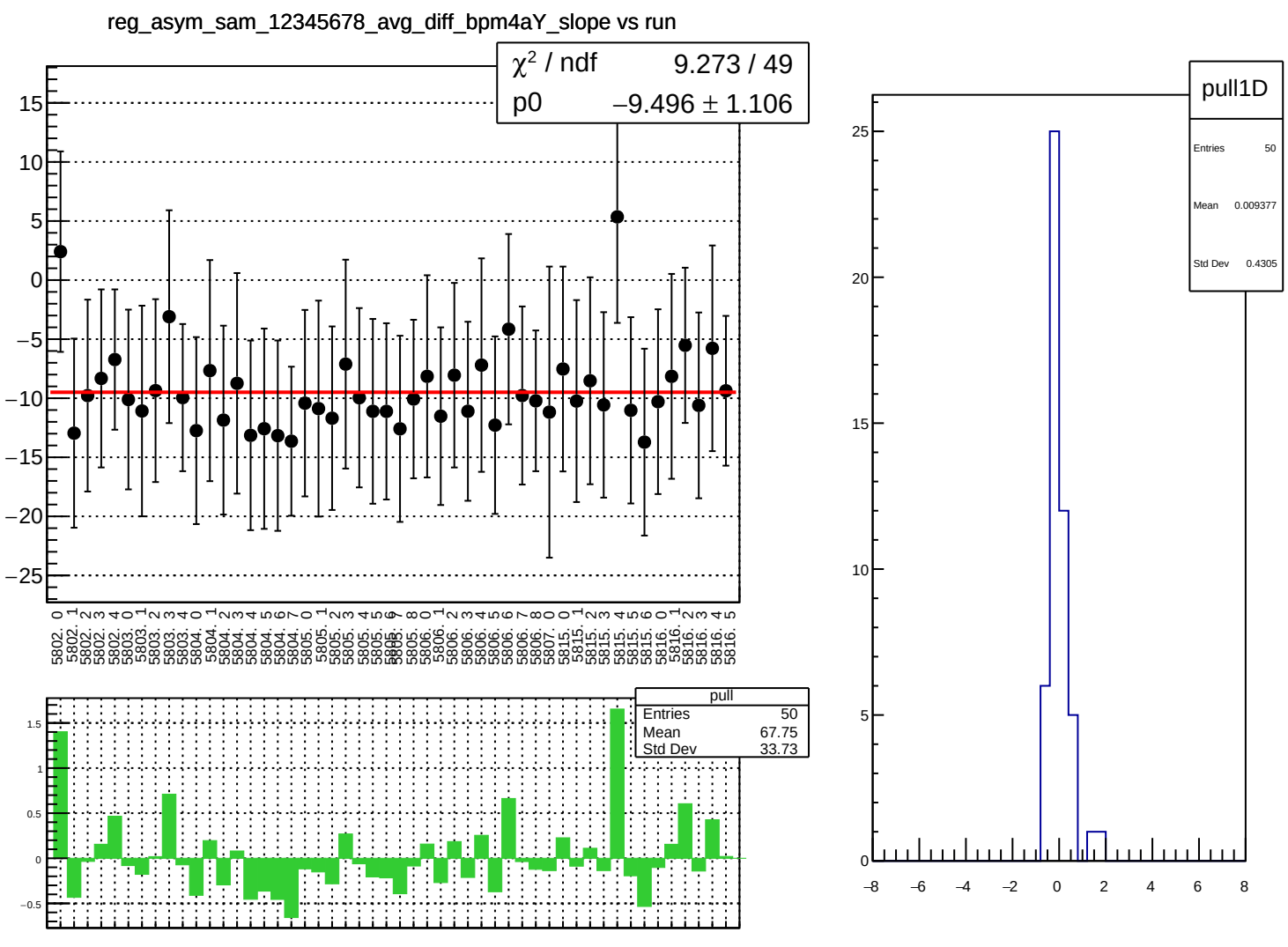

pull1D
Entries 50
Mean 0.001449
Std Dev 0.1994

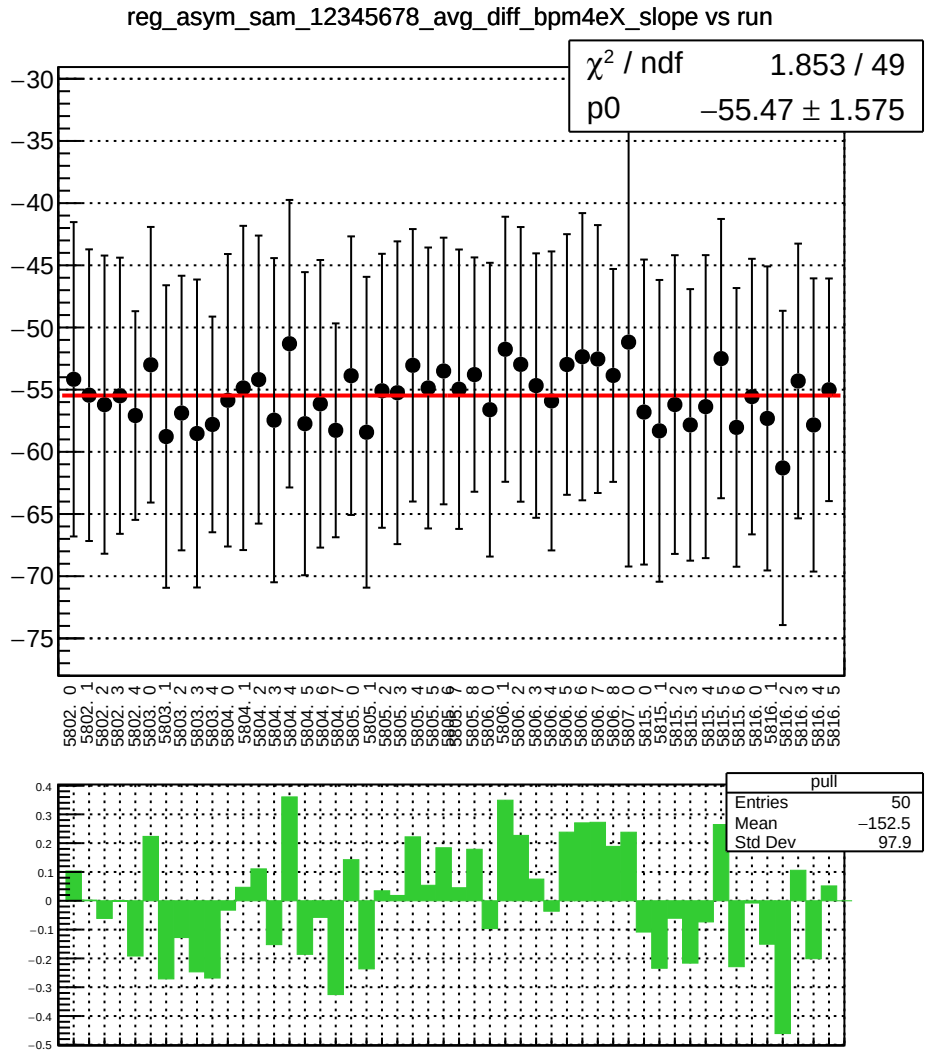

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.85 / 49
p0 3.475 ± 0.6215
pull
Entries 50
Mean 188.8
Std Dev 148.7

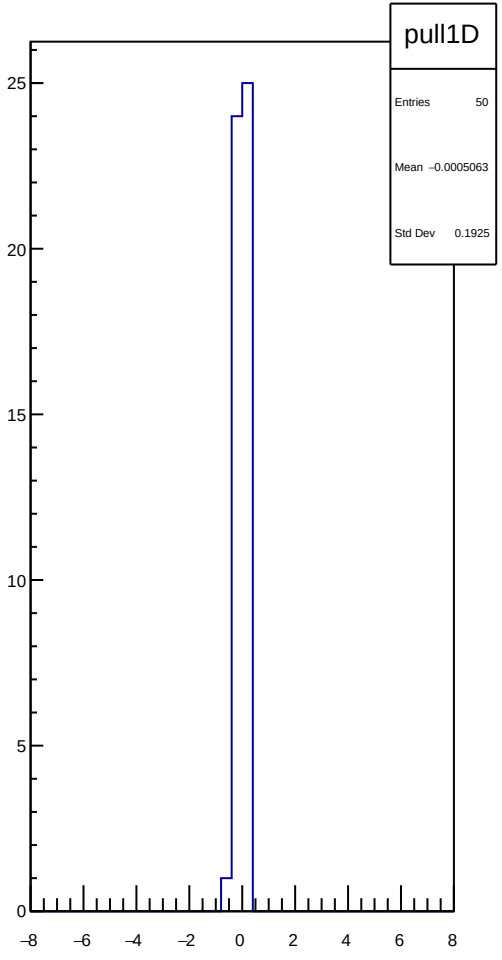

pull1D
Entries 50
Mean 0.005666
Std Dev 0.342

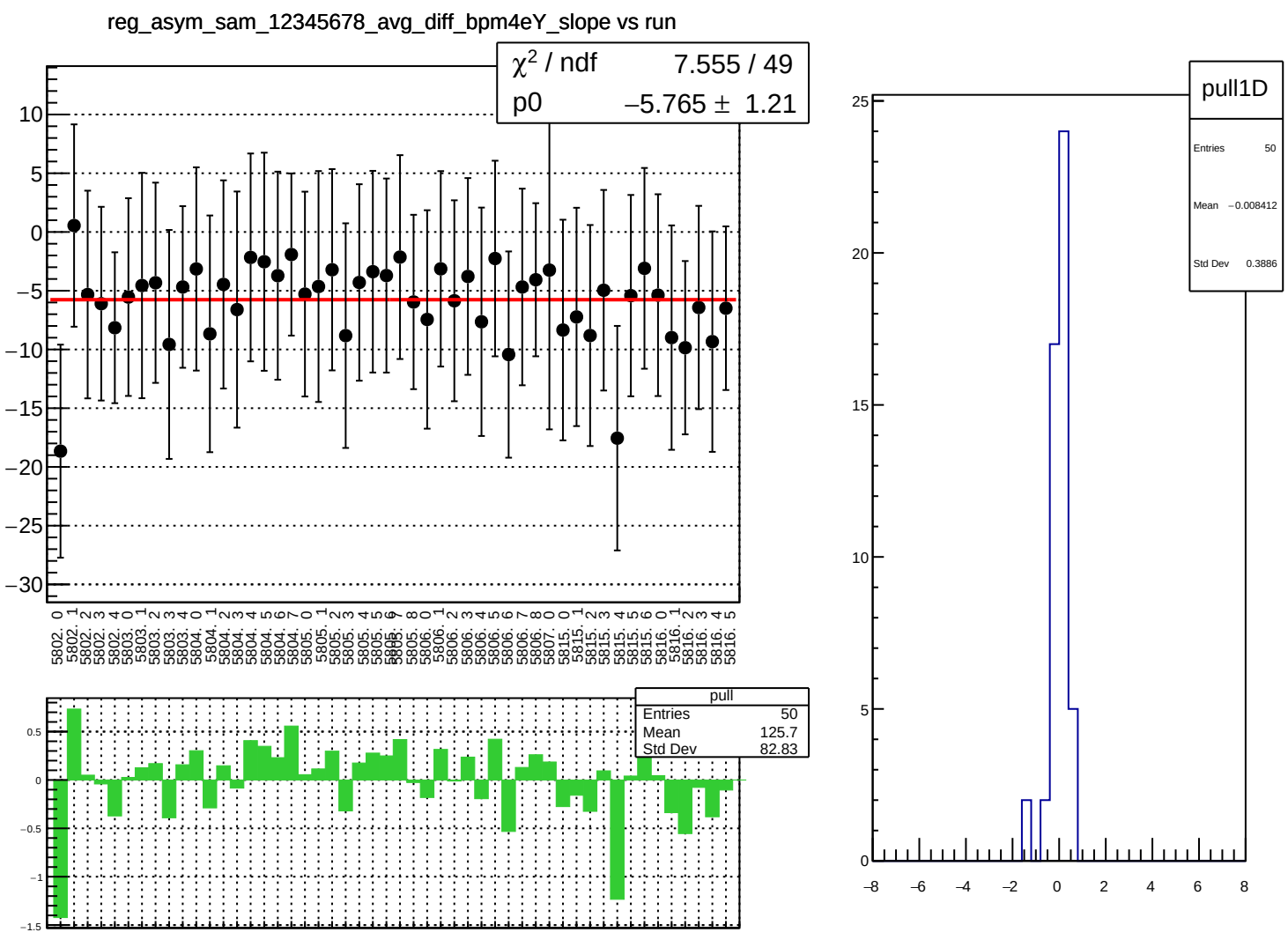

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.341 / 49
p0 0.2186 ± 0.03765
pull
Entries 50
Mean −125.1
Std Dev 147.6
pull1D
Entries 50
Mean −0.005493
Std Dev 0.2584

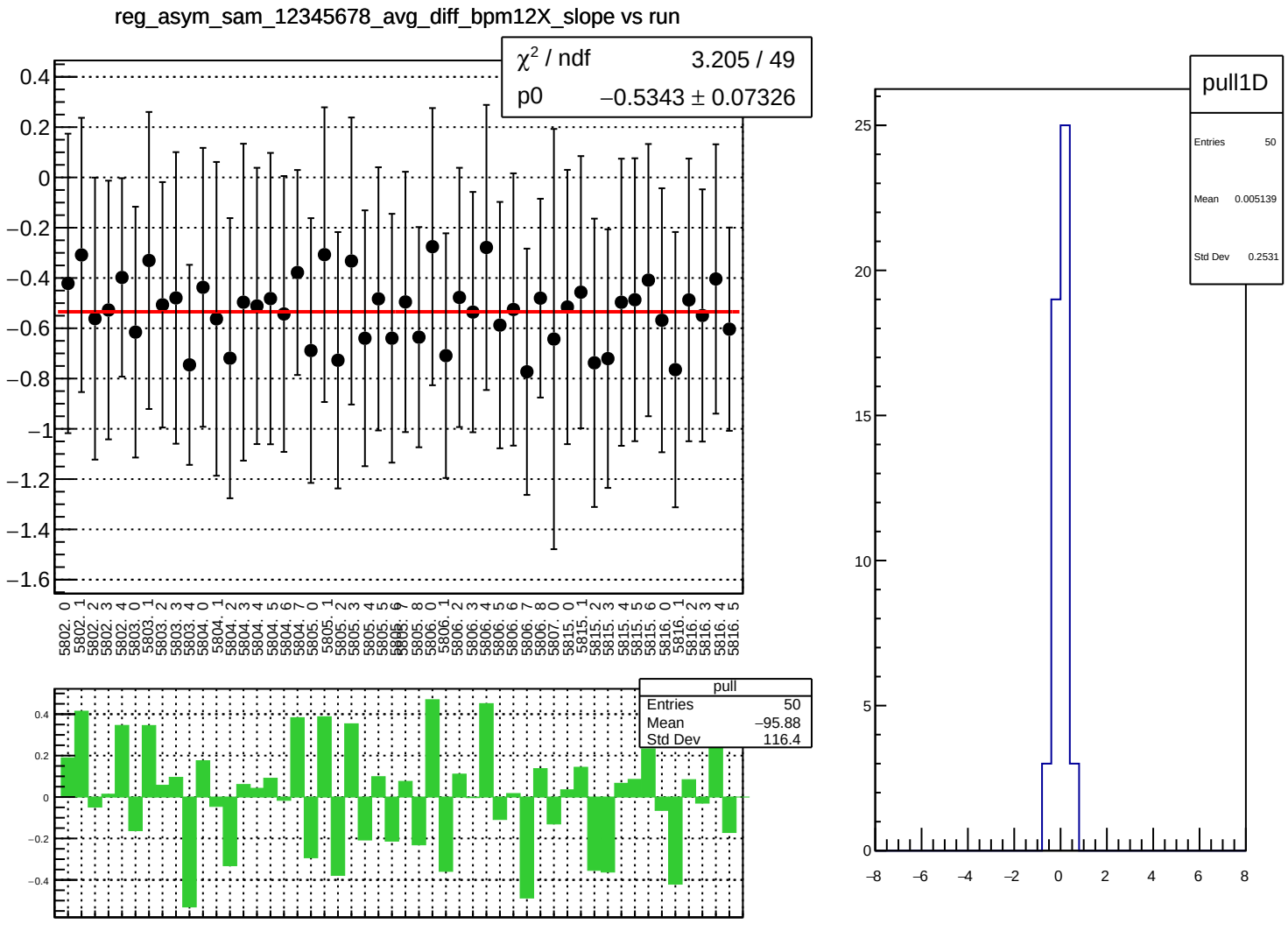

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.637 / 49
p0 −9.889 ± 1.237
pull
Entries 50
Mean −40.05
Std Dev 115
pull1D
Entries 50
Mean −0.001566
Std Dev 0.1809

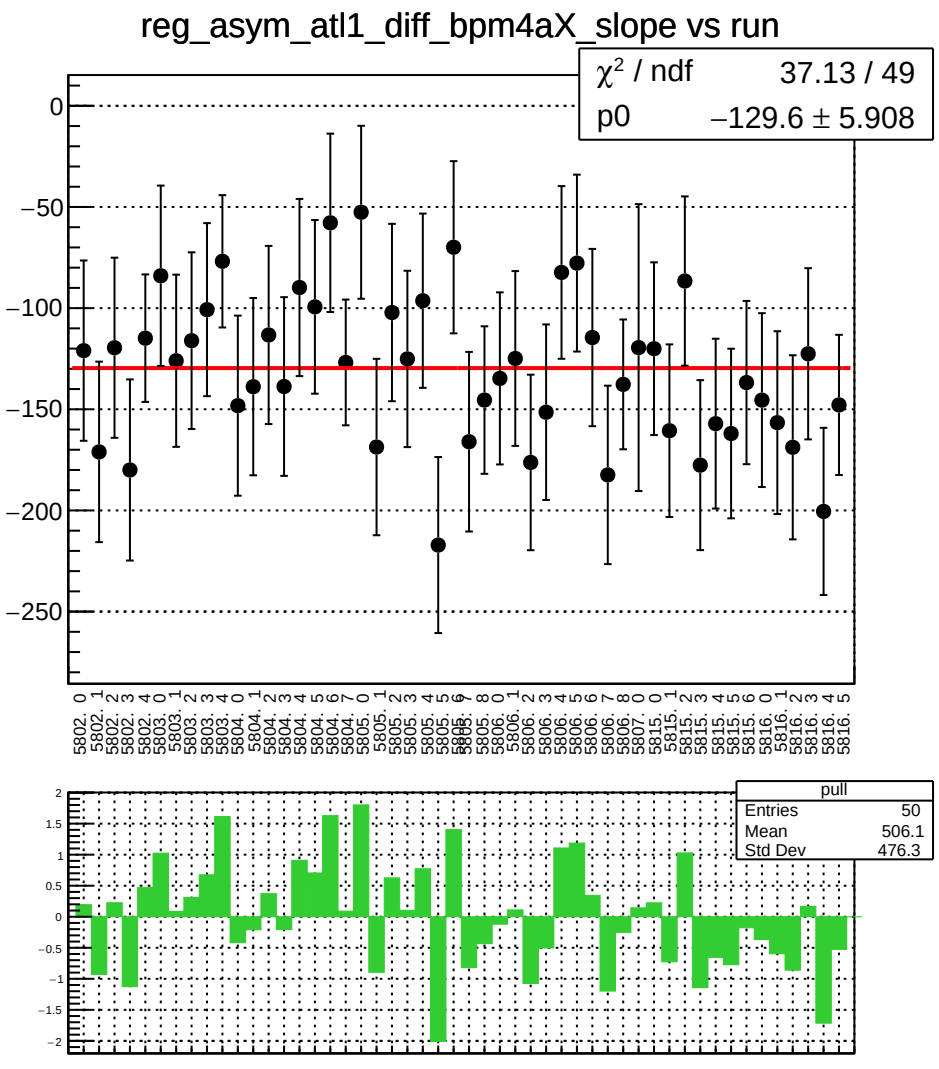

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.273 / 49
p0 −9.496 ± 1.106
pull
Entries 50
Mean 67.75
Std Dev 33.73
pull1D
Entries 50
Mean 0.009377
Std Dev 0.4305

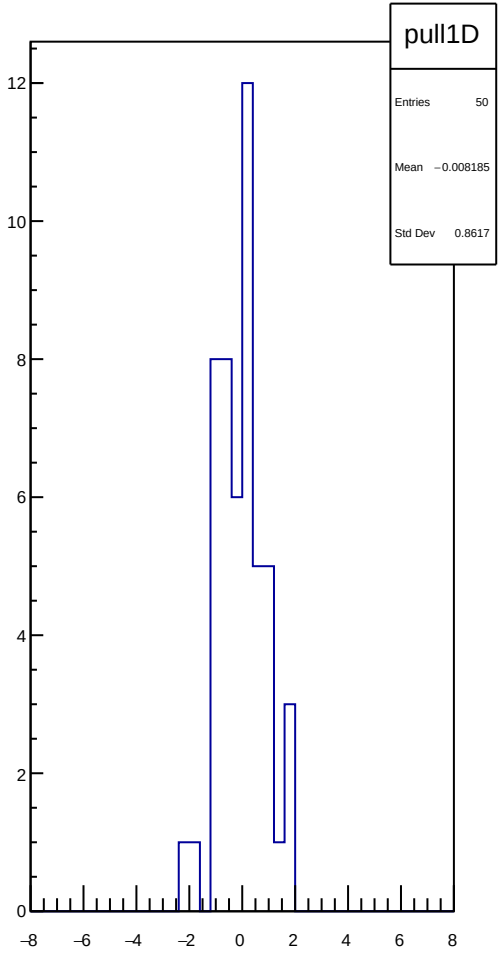

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.853 / 49
p0 −55.47 ± 1.575
pull
Entries 50
Mean −152.5
Std Dev 97.9

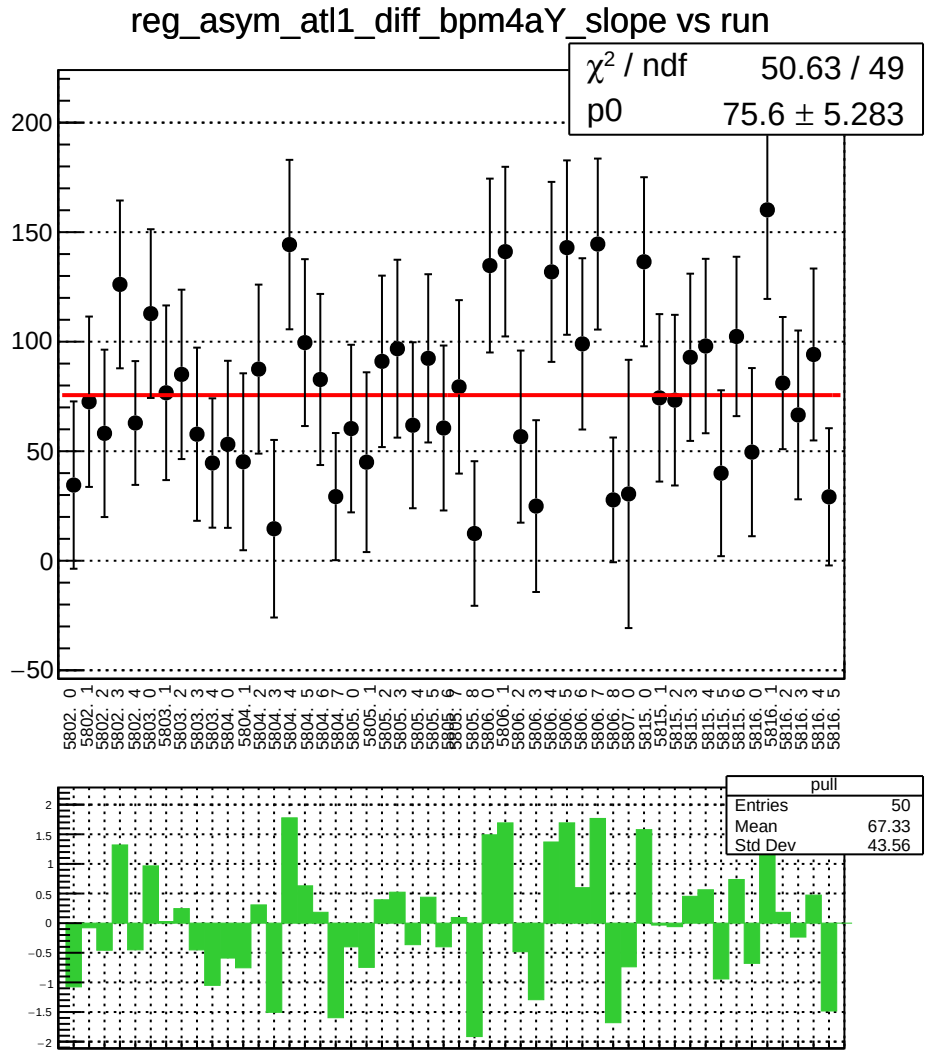

pull1D
Entries 50
Mean −0.0005063
Std Dev 0.1925

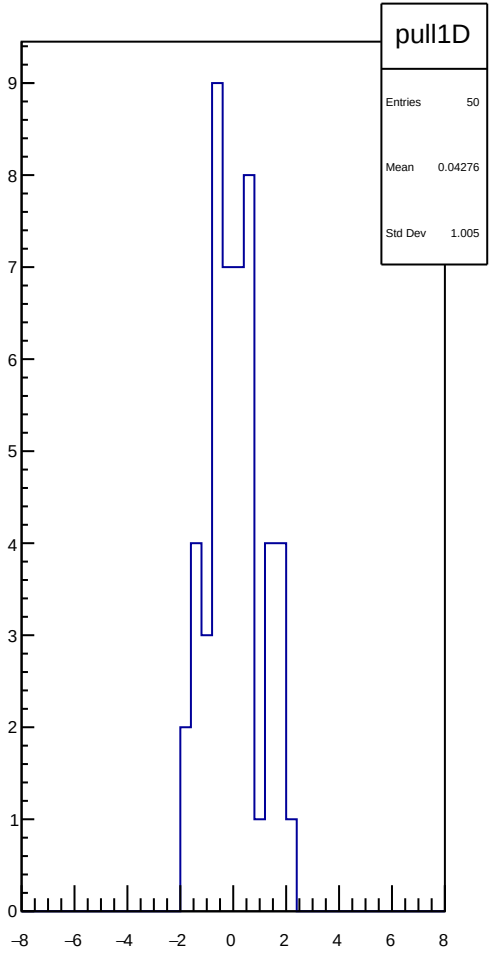

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.555 / 49
p0 −5.765 ± 1.21
pull
Entries 50
Mean 125.7
Std Dev 82.83
pull1D
Entries 50
Mean −0.008412
Std Dev 0.3886

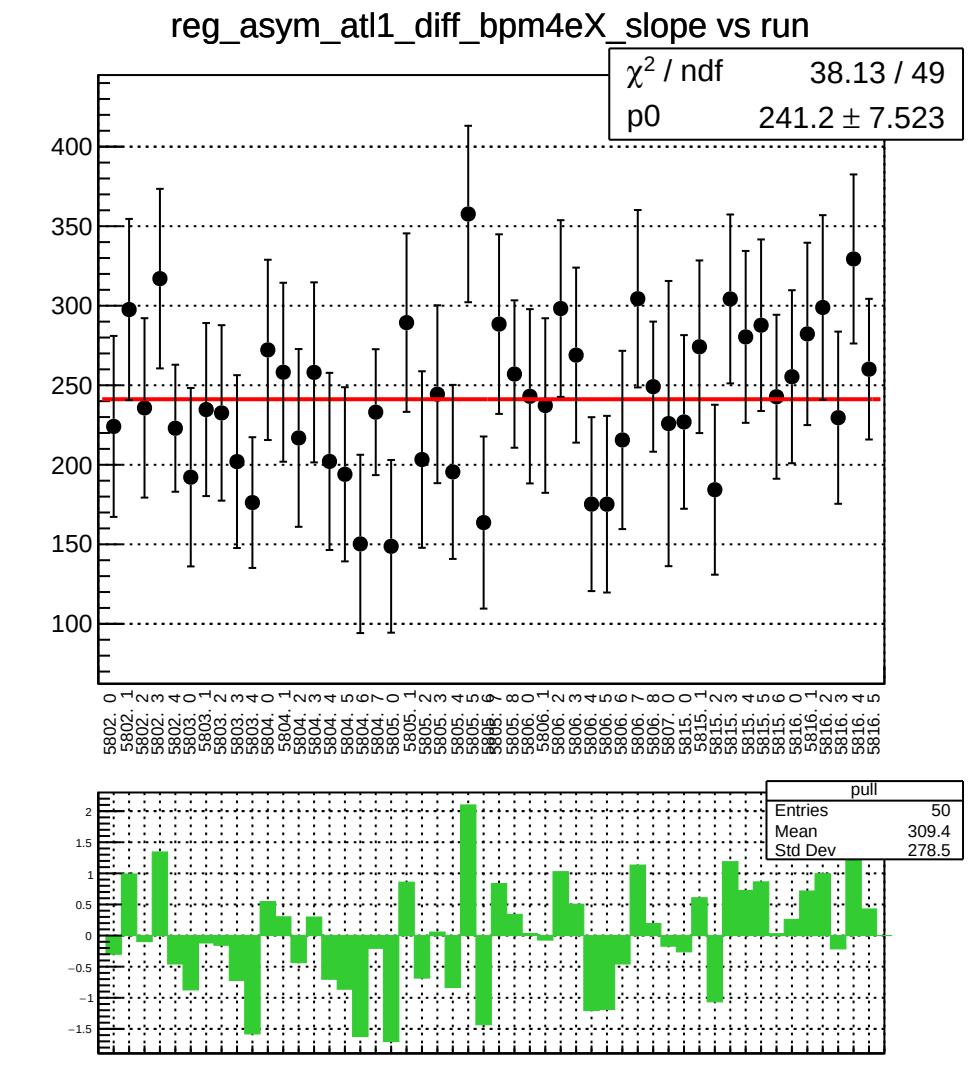

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.205 / 49
p0 −0.5343 ± 0.07326
pull
Entries 50
Mean −95.88
Std Dev 116.4
pull1D
Entries 50
Mean 0.005139
Std Dev 0.2531

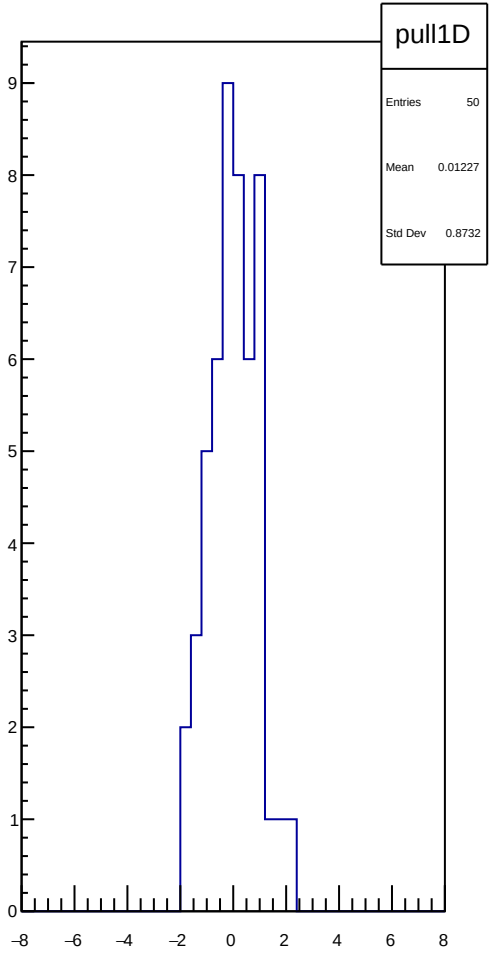

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 37.13 / 49
p0 −129.6 ± 5.908
pull
Entries 50
Mean 506.1
Std Dev 476.3

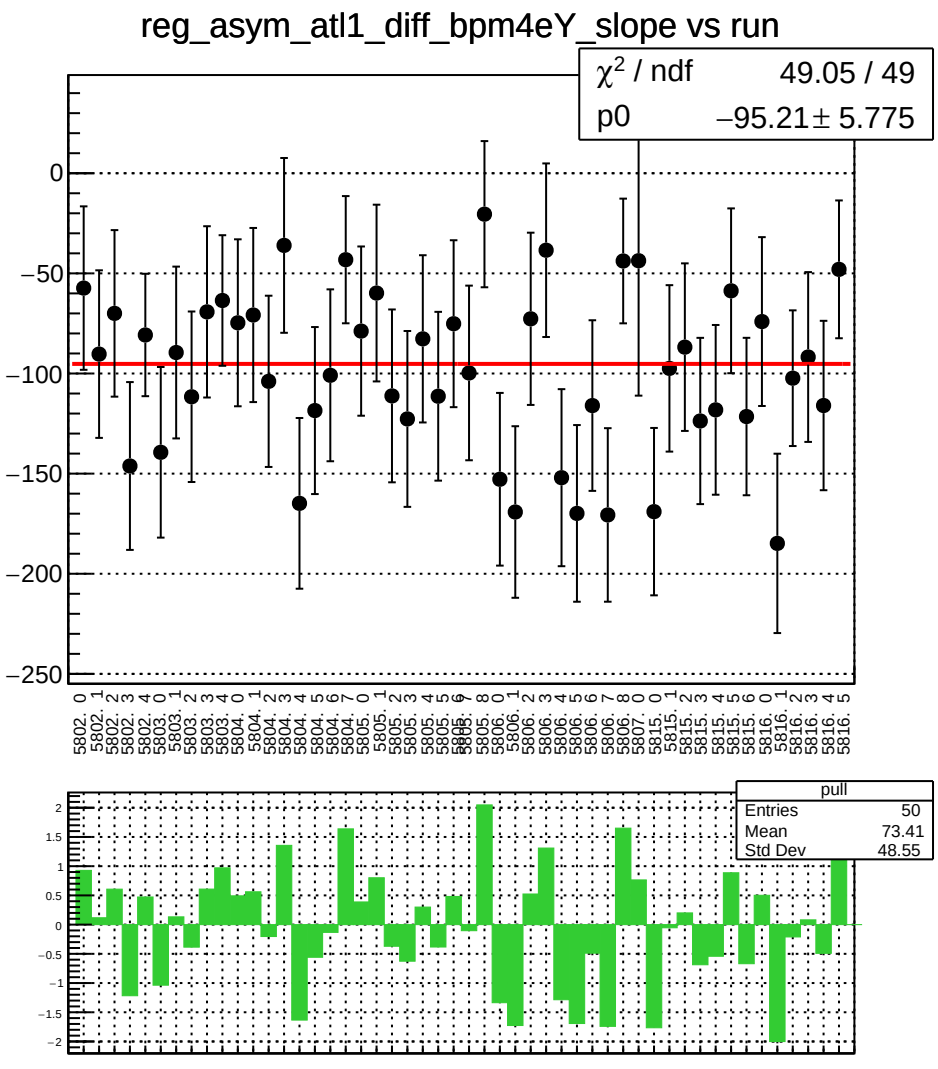

pull1D
Entries 50
Mean −0.008185
Std Dev 0.8617

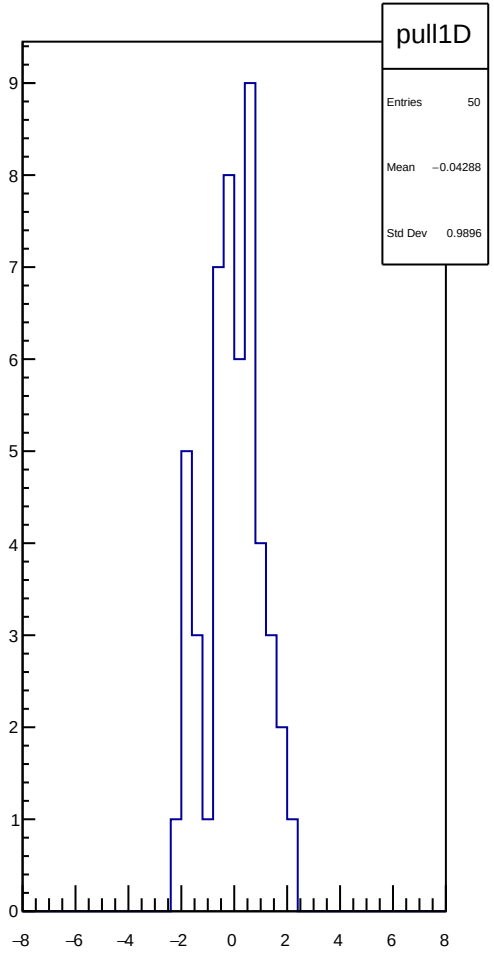

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 50.63 / 49
p0 75.6 ± 5.283
200
150
100
50
0
−50
pull
Entries 50
Mean 67.33
Std Dev 43.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

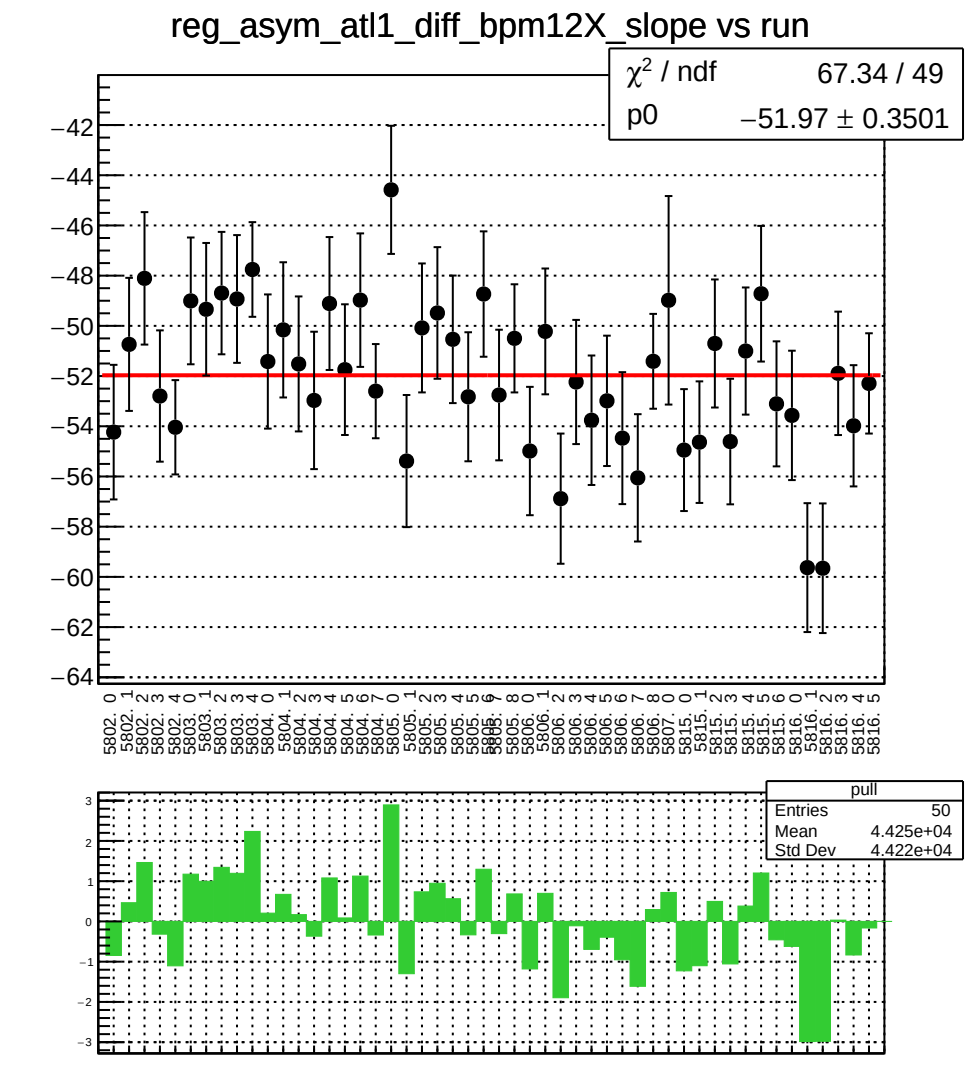

pull1D
Entries 50
Mean 0.04276
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

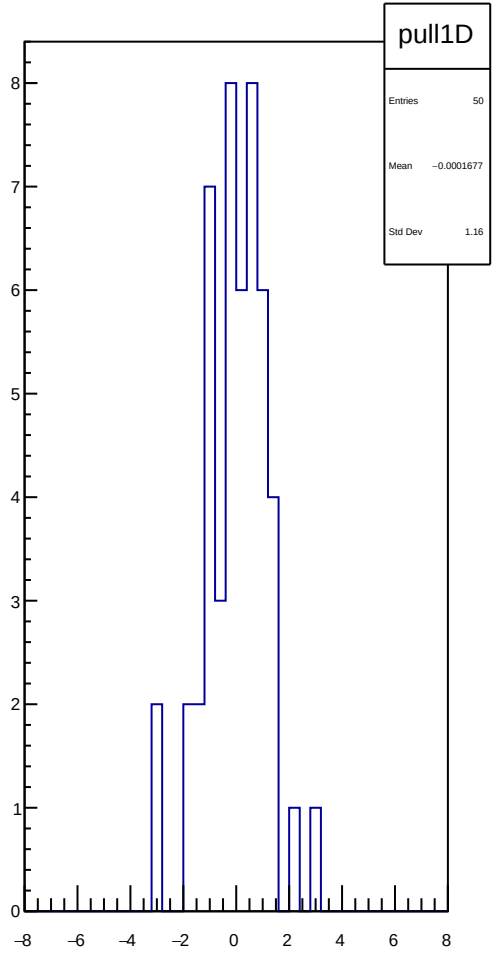

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 38.13 / 49
p0 241.2 ± 7.523
pull
Entries 50
Mean 309.4
Std Dev 278.5

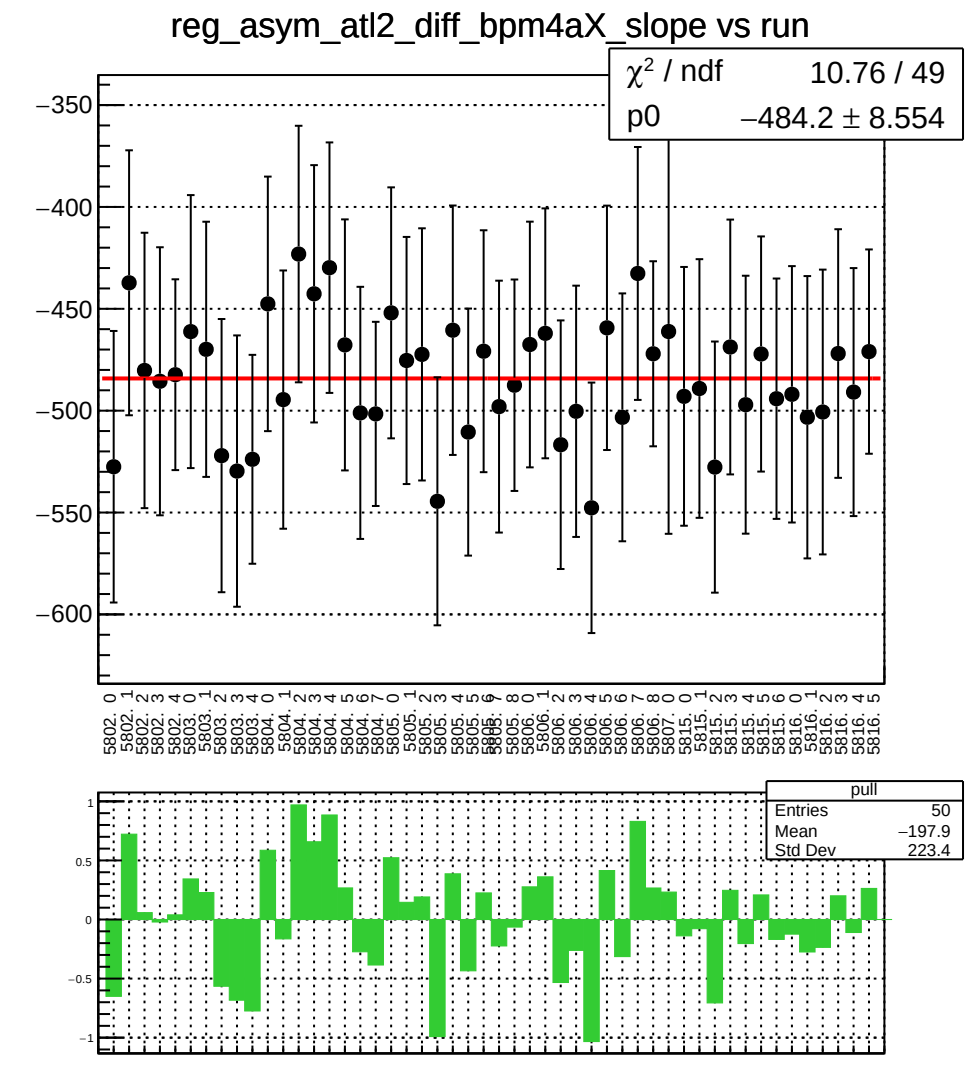

pull1D
Entries 50
Mean 0.01227
Std Dev 0.8732

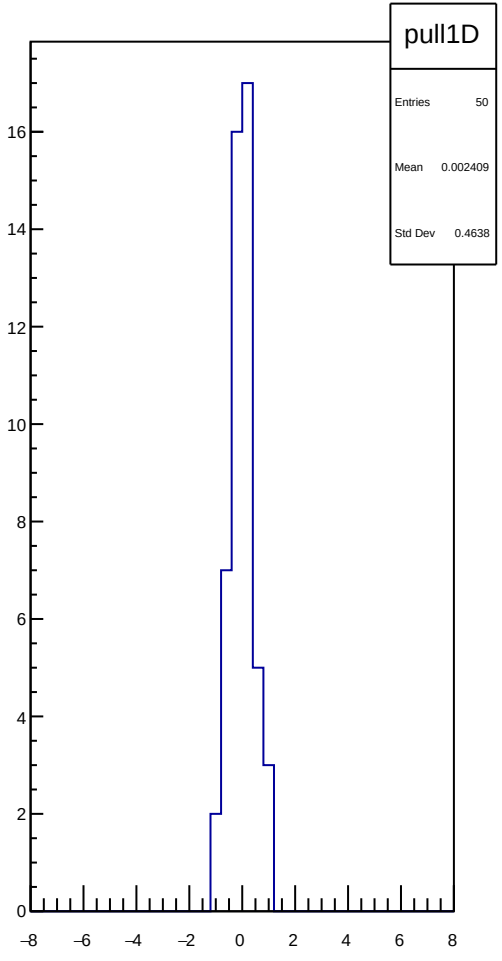

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 49.05 / 49
p0 −95.21 ± 5.775
pull
Entries 50
Mean 73.41
Std Dev 48.55

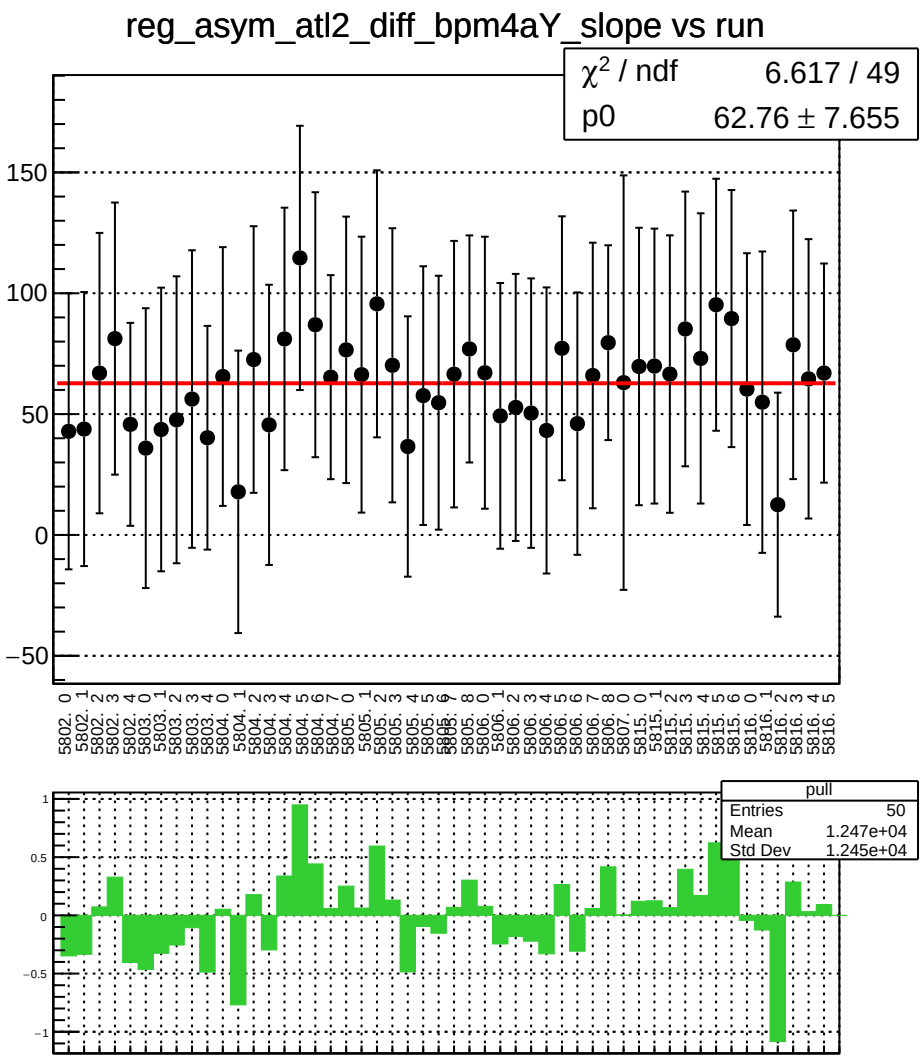

pull1D
Entries 50
Mean −0.04288
Std Dev 0.9896

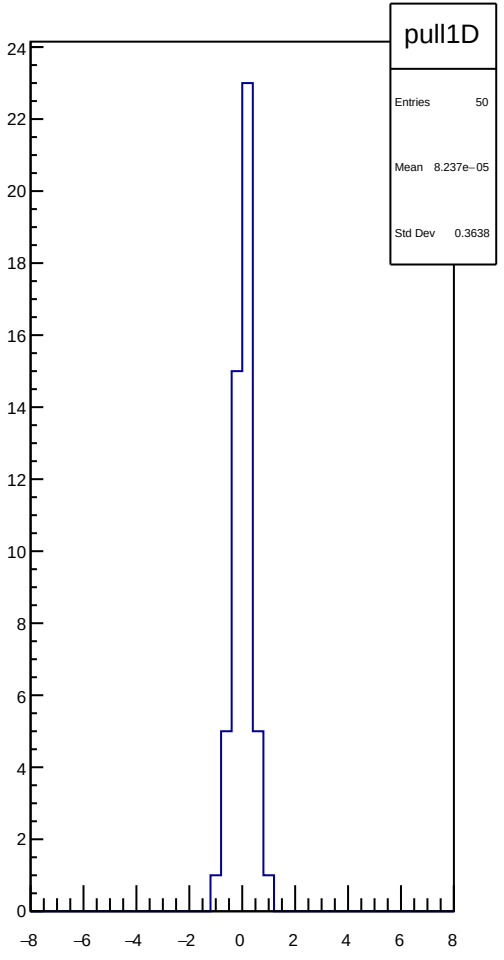

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 67.34 / 49
p0 −51.97 ± 0.3501
pull
Entries 50
Mean 4.425e+04
Std Dev 4.422e+04

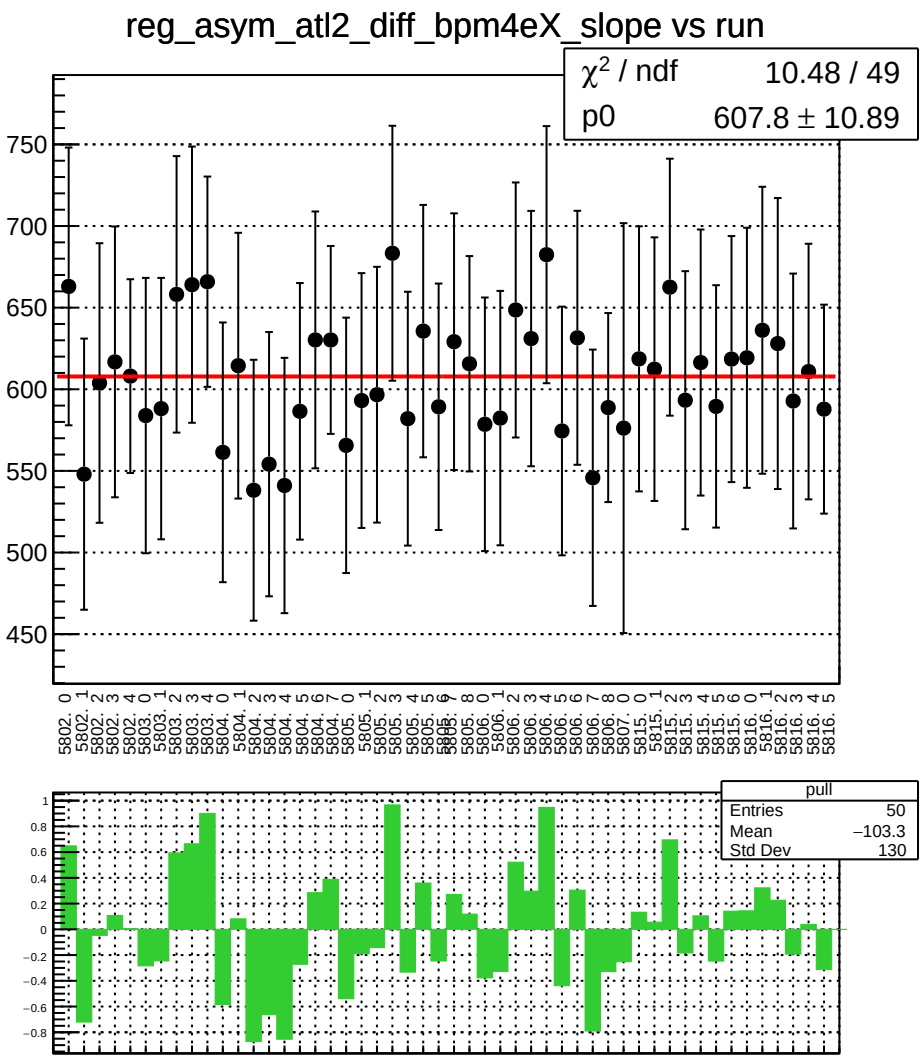

pull1D
Entries 50
Mean −0.0001677
Std Dev 1.16

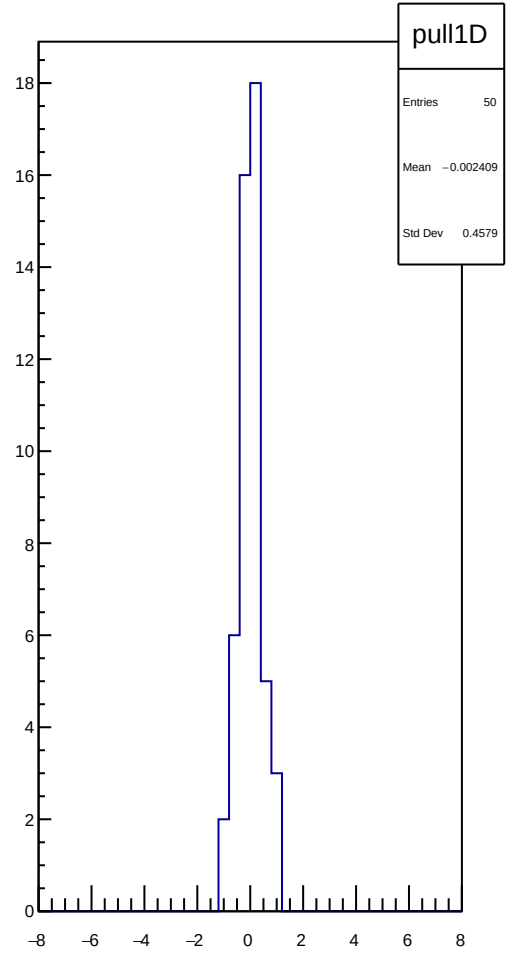

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 10.76 / 49
p0 −484.2 ± 8.554
pull
Entries 50
Mean −197.9
Std Dev 223.4

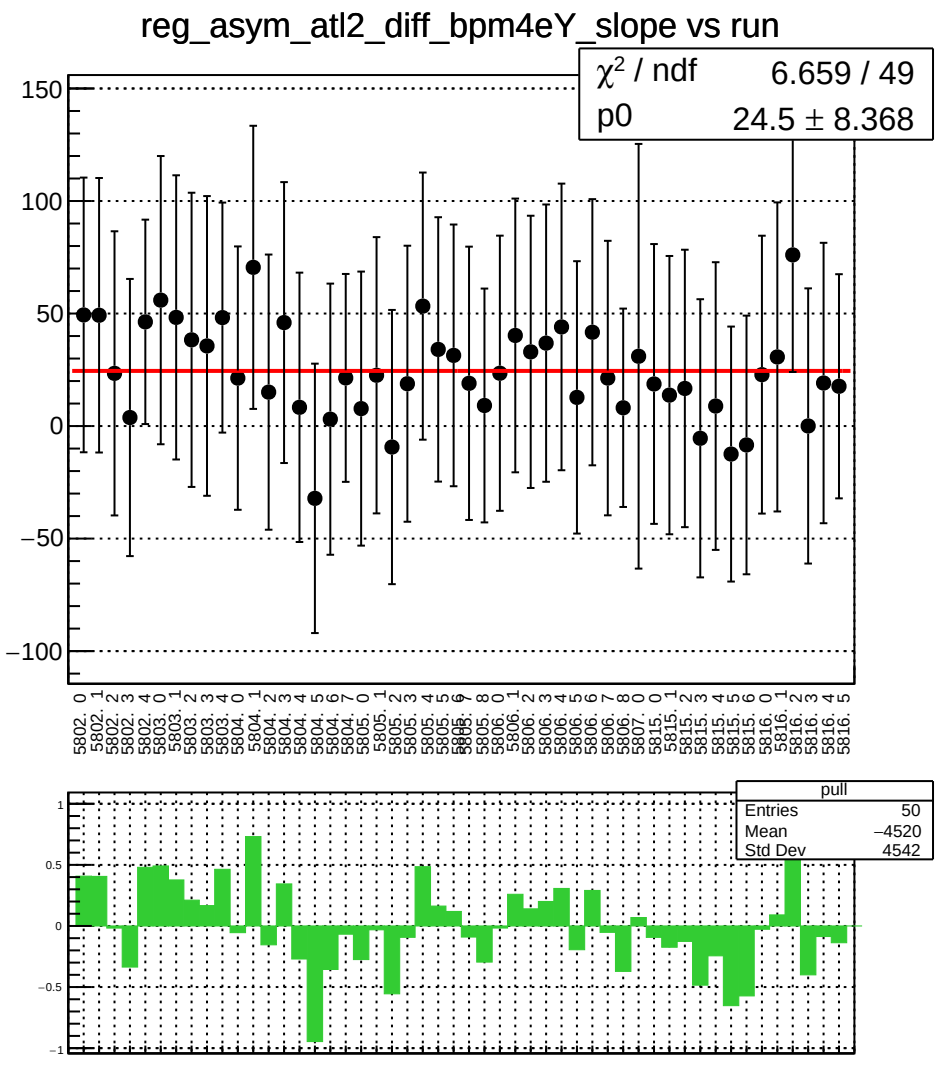

pull1D
Entries 50
Mean 0.002409
Std Dev 0.4638

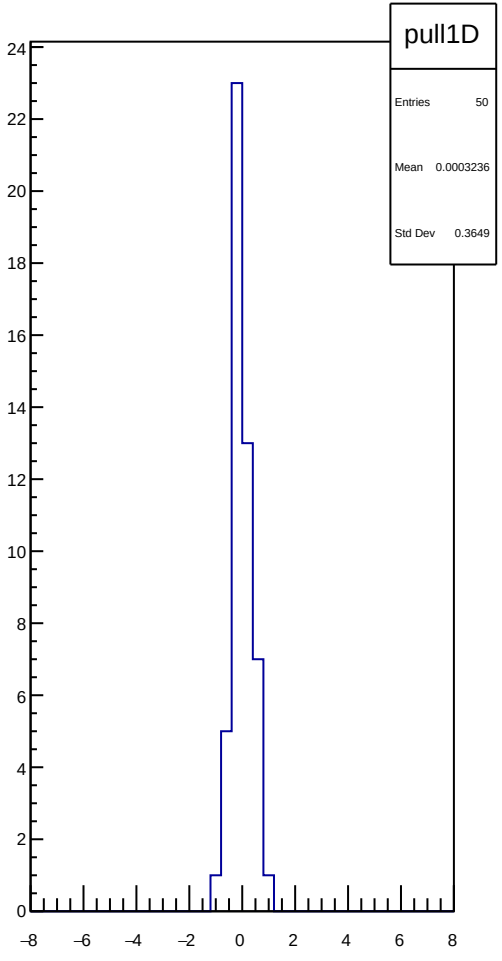

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.617 / 49
p0 62.76 ± 7.655
150
100
50
0
−50
pull
Entries 50
Mean 1.247e+04
Std Dev 1.245e+04
1
0.5
0
−0.5
−1

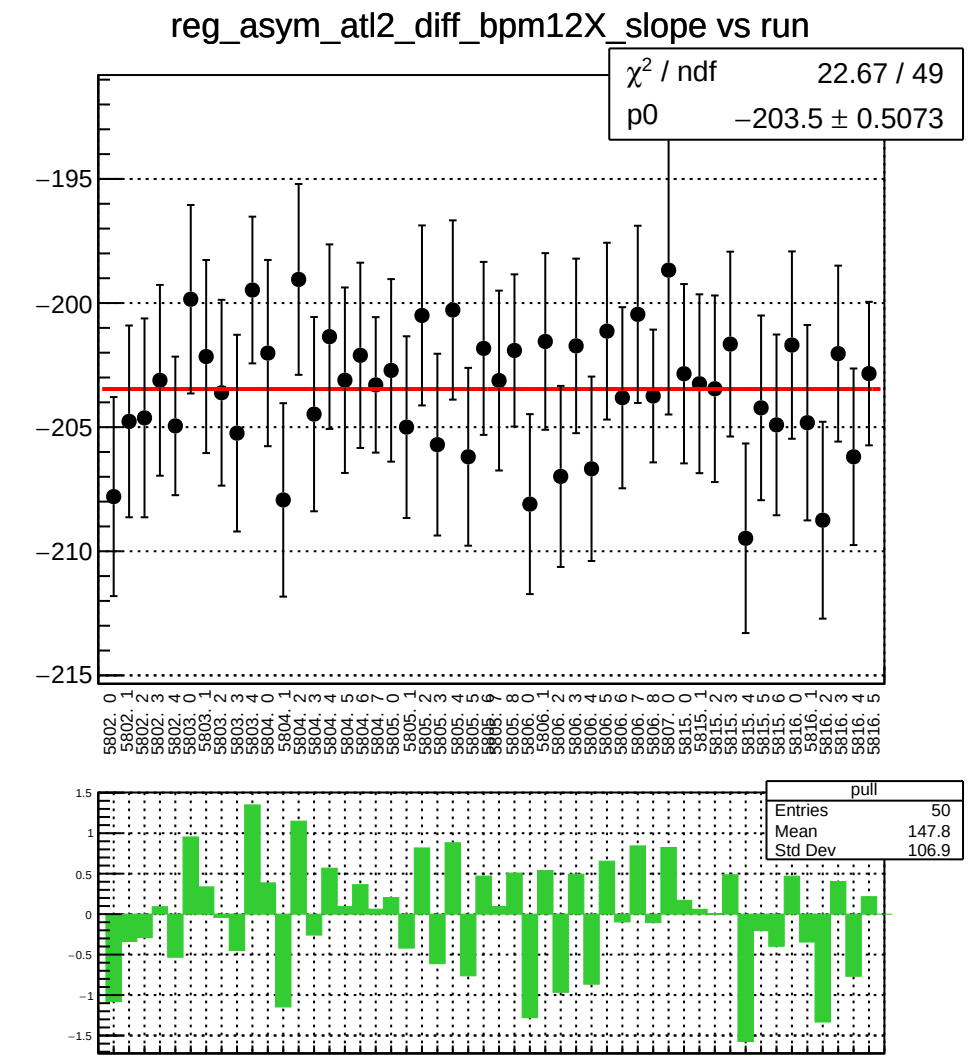

pull1D
Entries 50
Mean 8.237e−05
Std Dev 0.3638
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

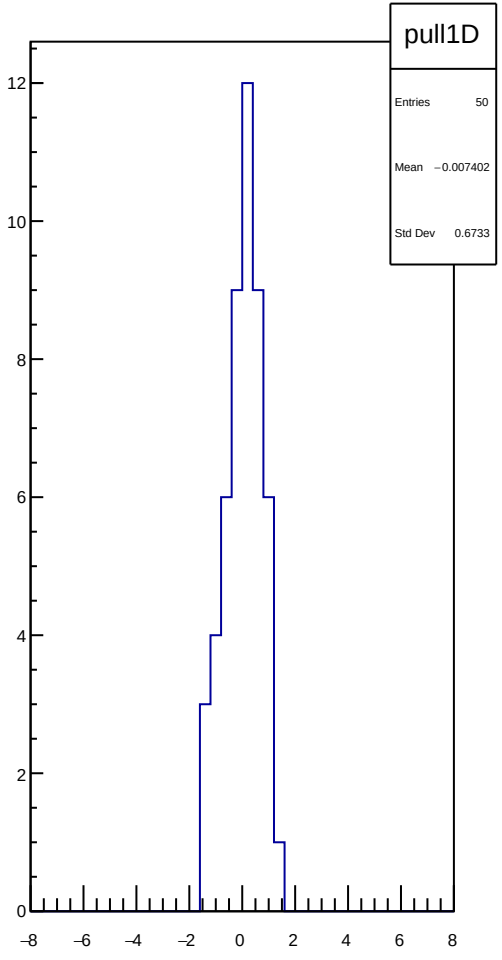

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 10.48 / 49
p0 607.8 ± 10.89
pull
Entries 50
Mean −103.3
Std Dev 130

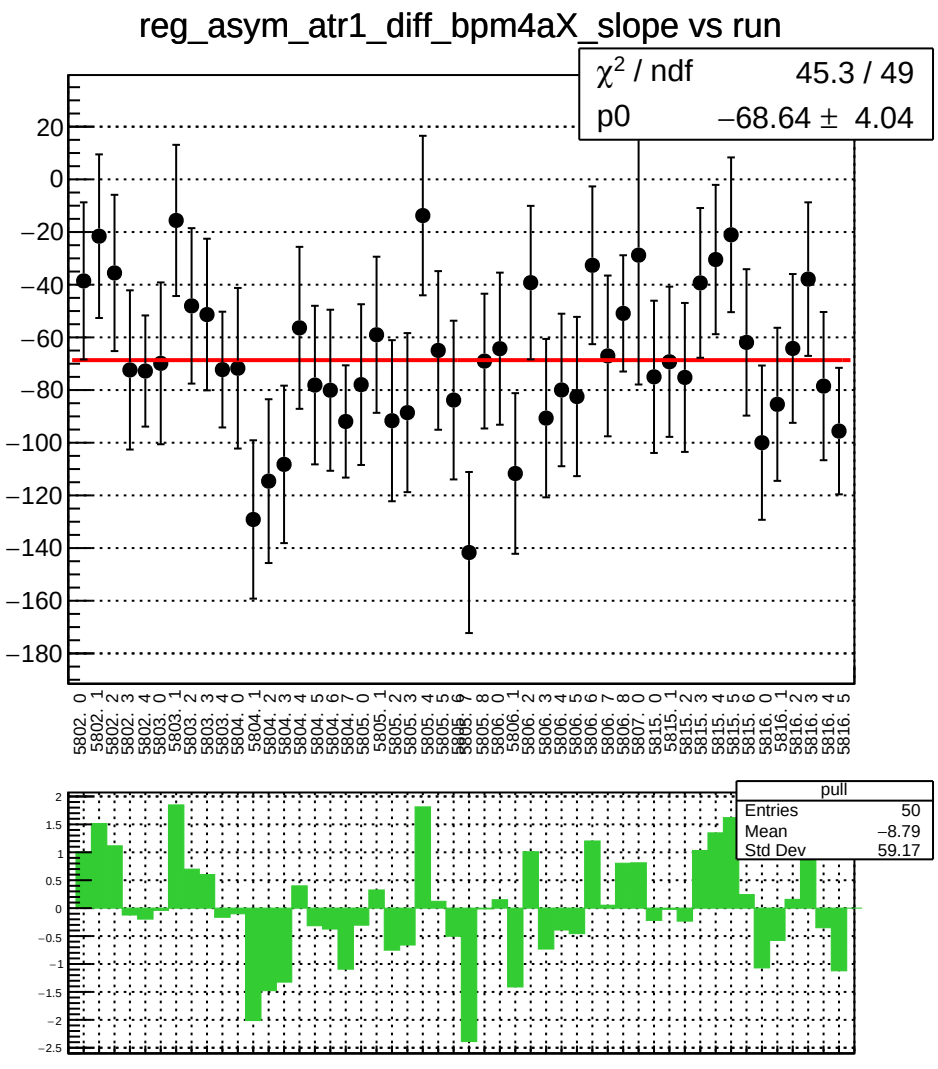

pull1D
Entries 50
Mean −0.002409
Std Dev 0.4579

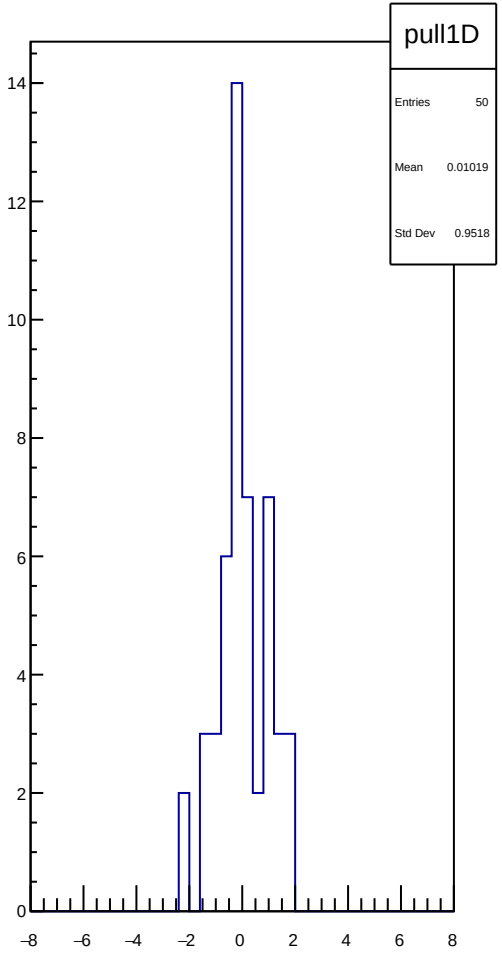

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.659 / 49
p0 24.5 ± 8.368
150
100
50
0
−50
−100
pull
Entries 50
Mean −4520
Std Dev 4542
1
0.5
0
−0.5
−1

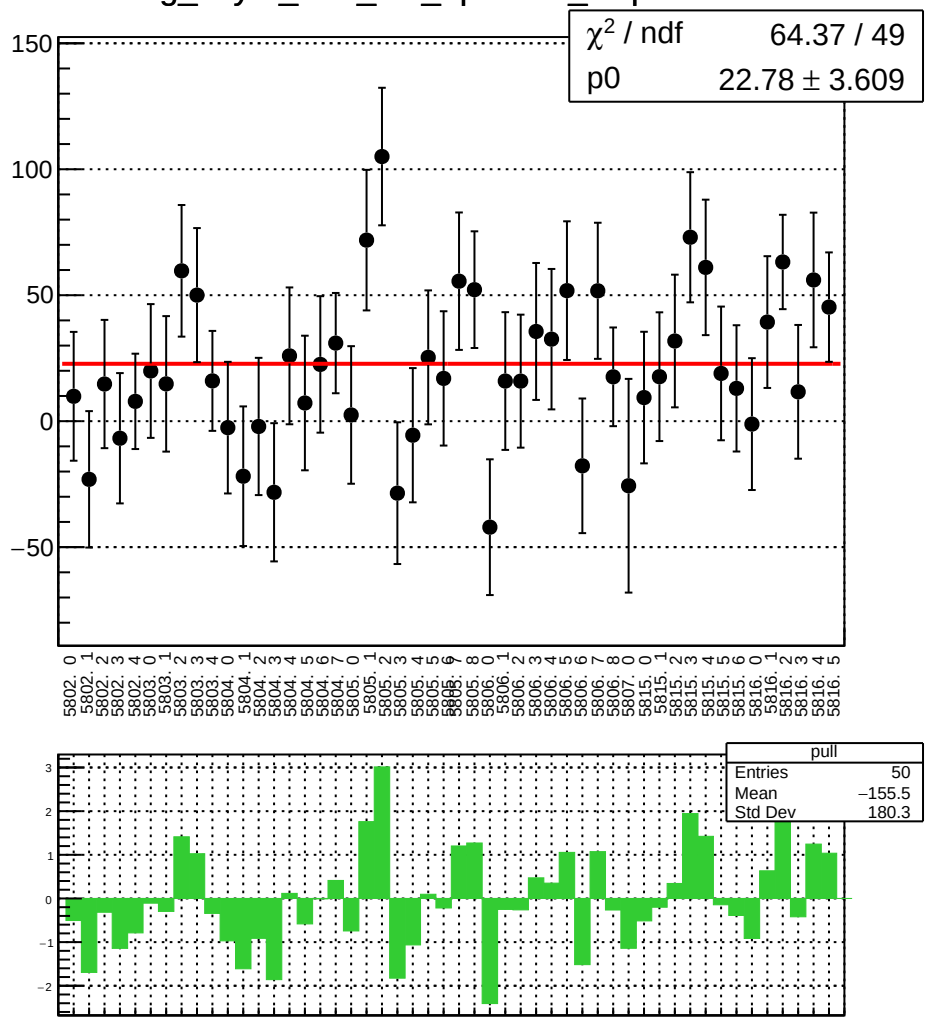

pull1D
Entries 50
Mean 0.0003236
Std Dev 0.3649
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

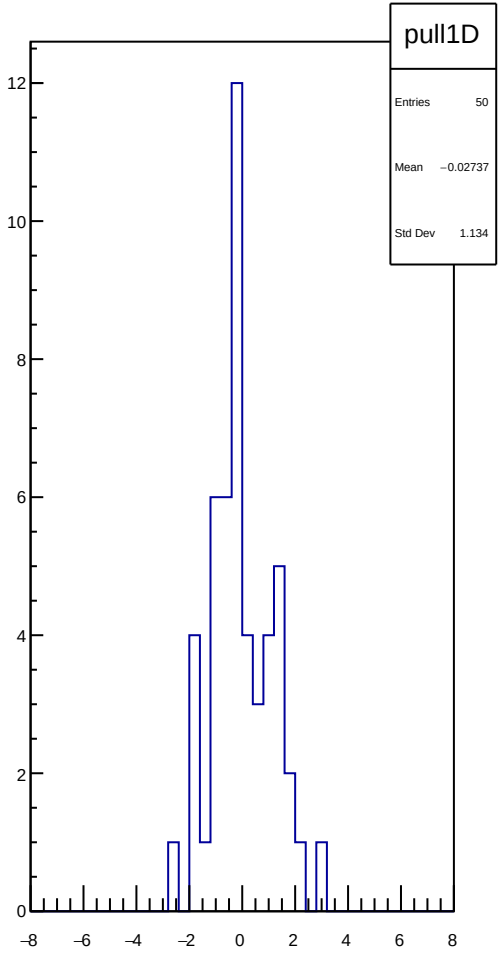

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 22.67 / 49
p0 −203.5 ± 0.5073
pull
Entries 50
Mean 147.8
Std Dev 106.9

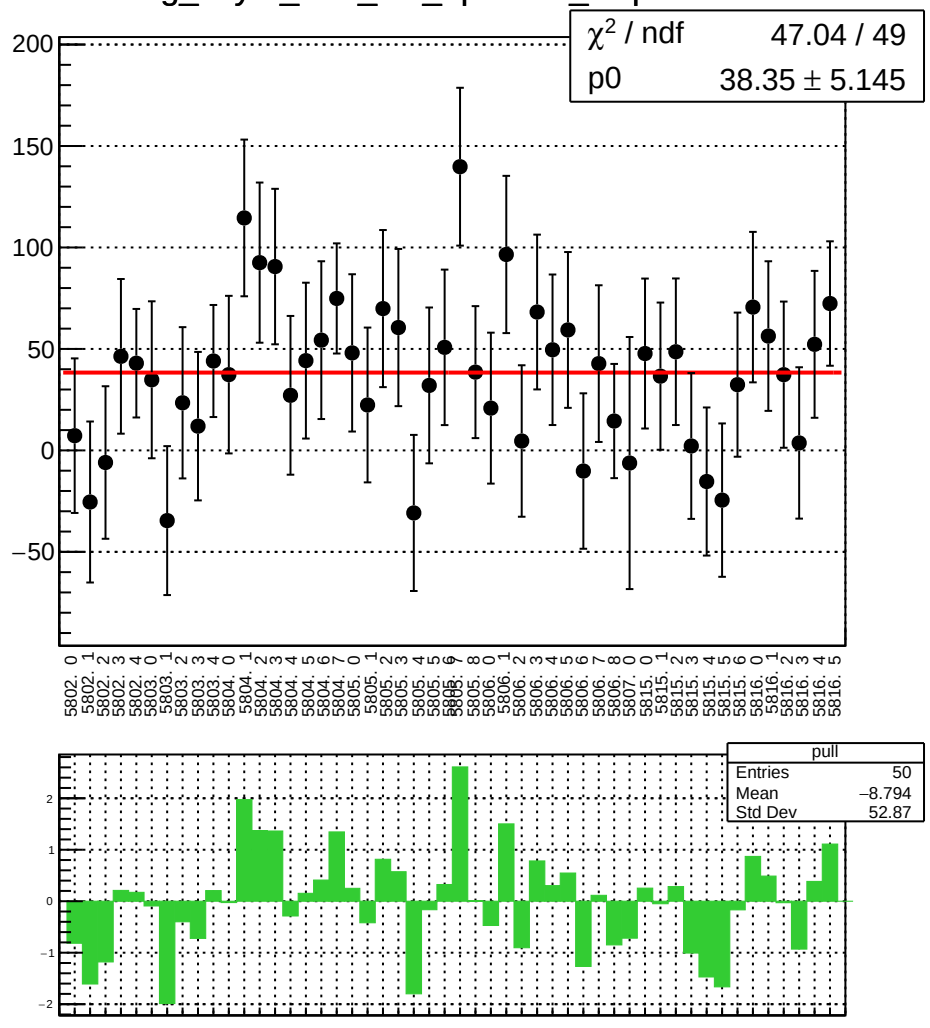

pull1D
Entries 50
Mean −0.007402
Std Dev 0.6733

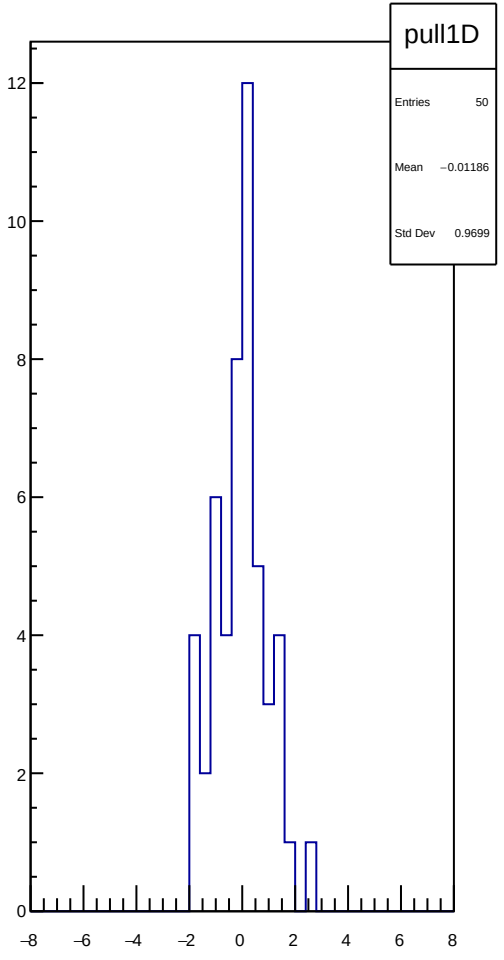

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 45.3 / 49
p0 −68.64 ± 4.04
pull
Entries 50
Mean −8.79
Std Dev 59.17

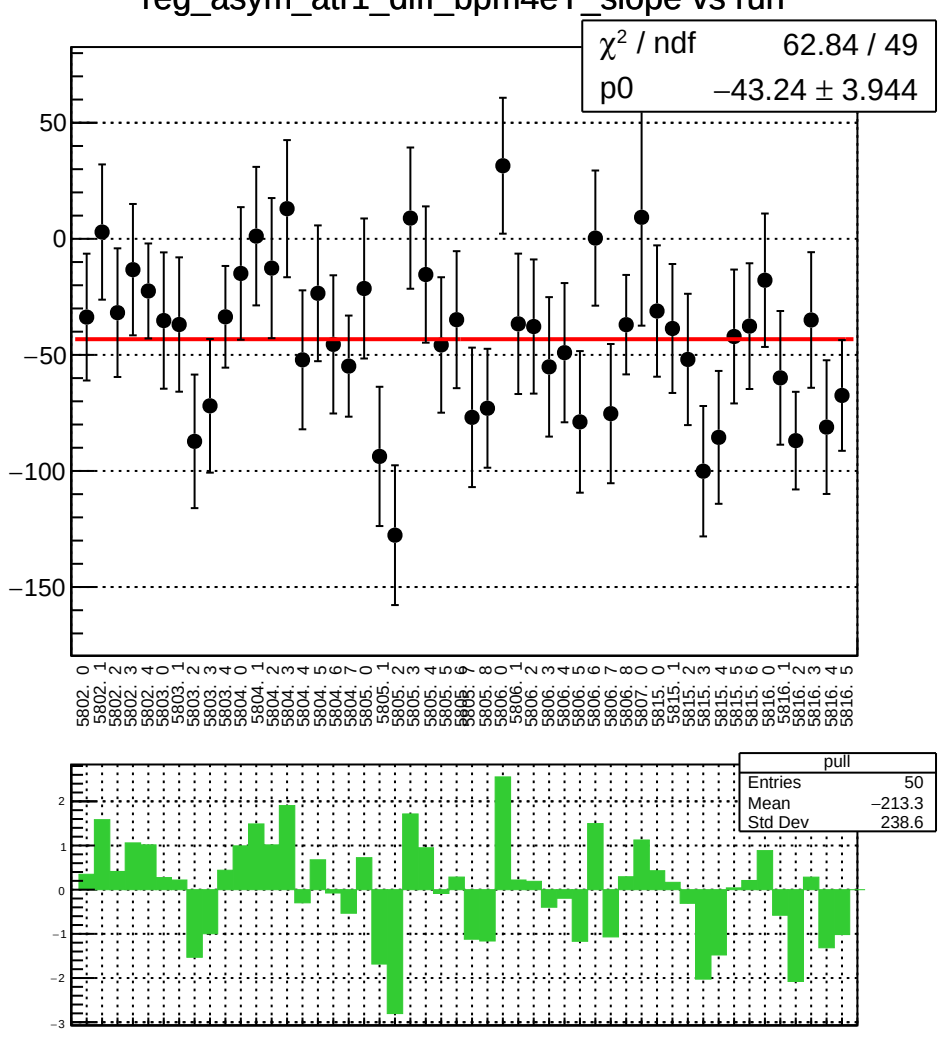

pull1D
Entries 50
Mean 0.01019
Std Dev 0.9518

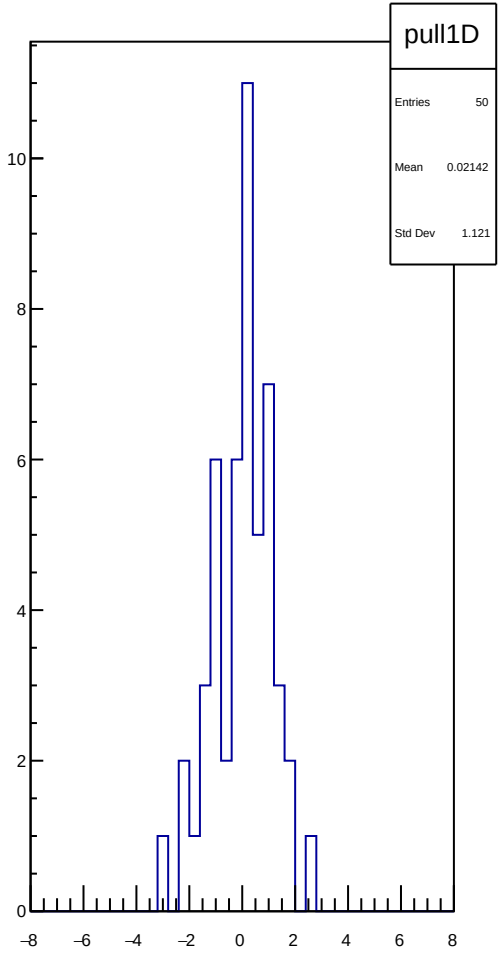

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 64.37 / 49
p0 22.78 ± 3.609
150
100
50
0
−50
pull
Entries 50
Mean −155.5
Std Dev 180.3
3
2
1
0
−1
−2

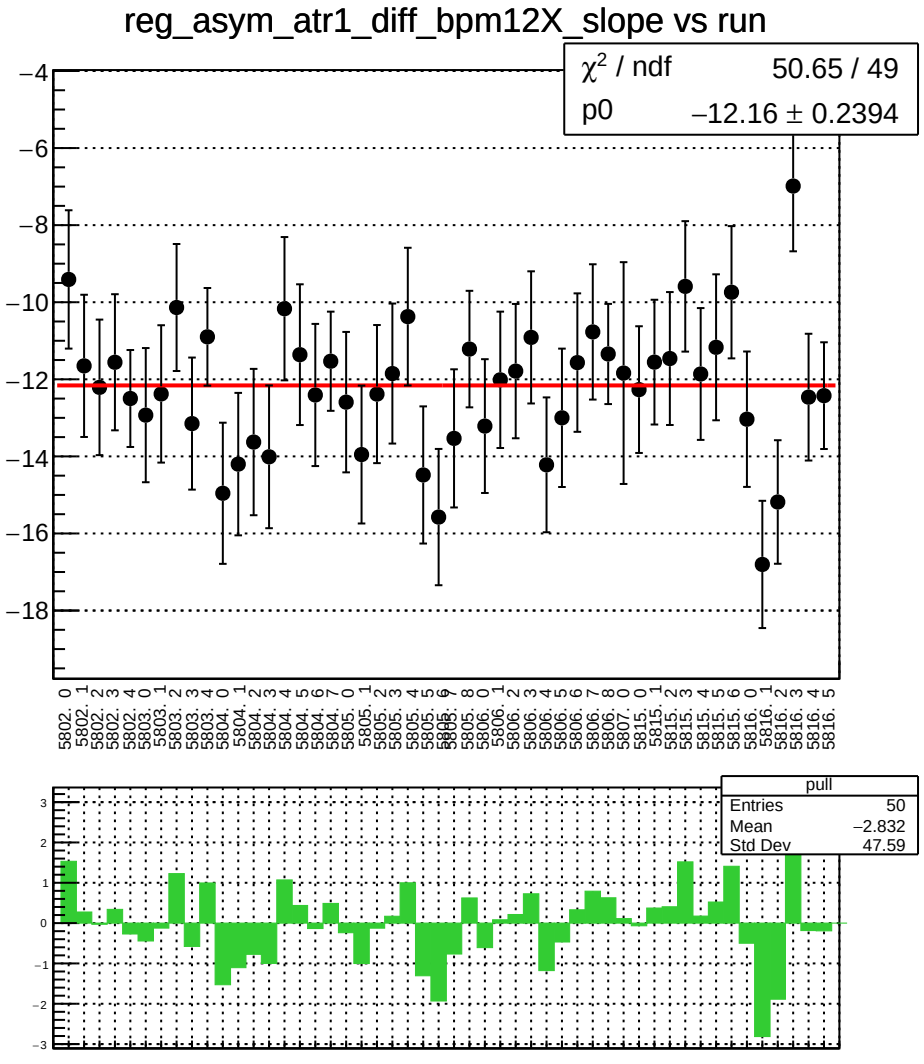

pull1D
Entries 50
Mean −0.02737
Std Dev 1.134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

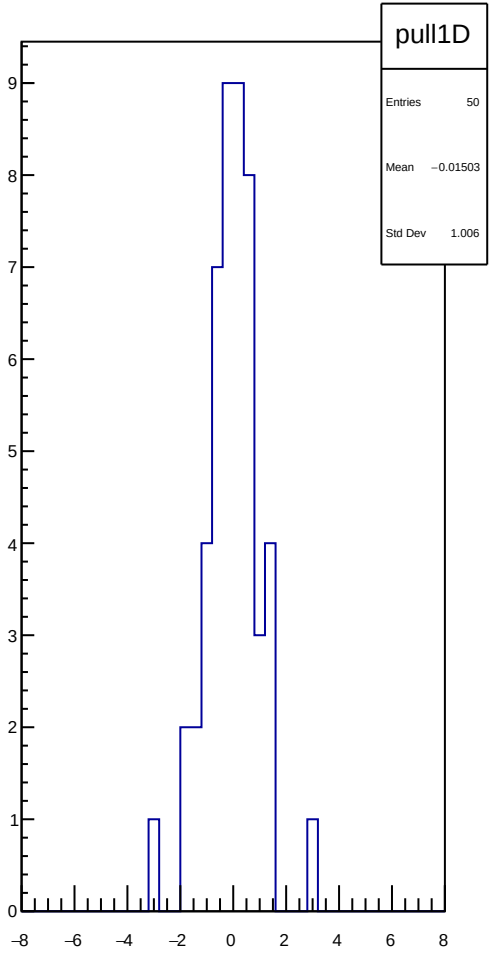

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 47.04 / 49
p0 38.35 ± 5.145
pull
Entries 50
Mean −8.794
Std Dev 52.87

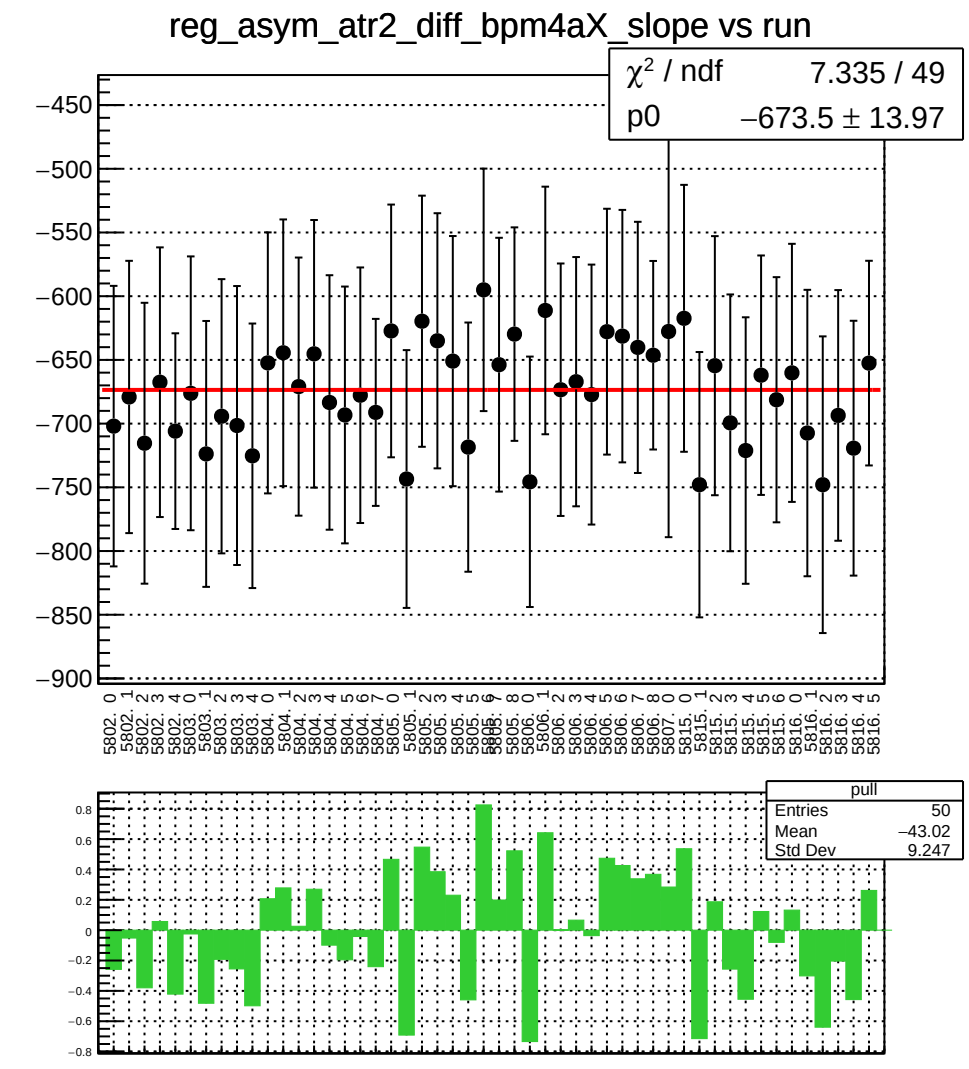

pull1D
Entries 50
Mean −0.01186
Std Dev 0.9699

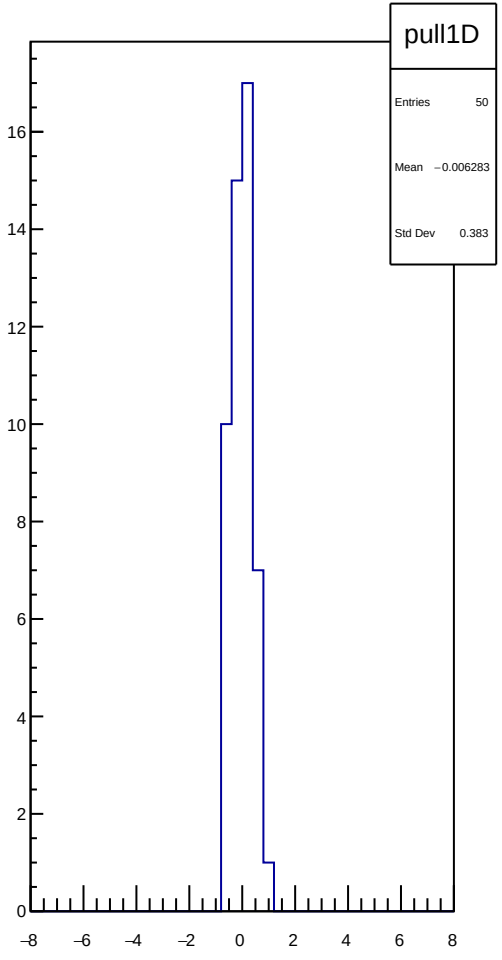

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 62.84 / 49
p0 −43.24 ± 3.944
pull
Entries 50
Mean −213.3
Std Dev 238.6

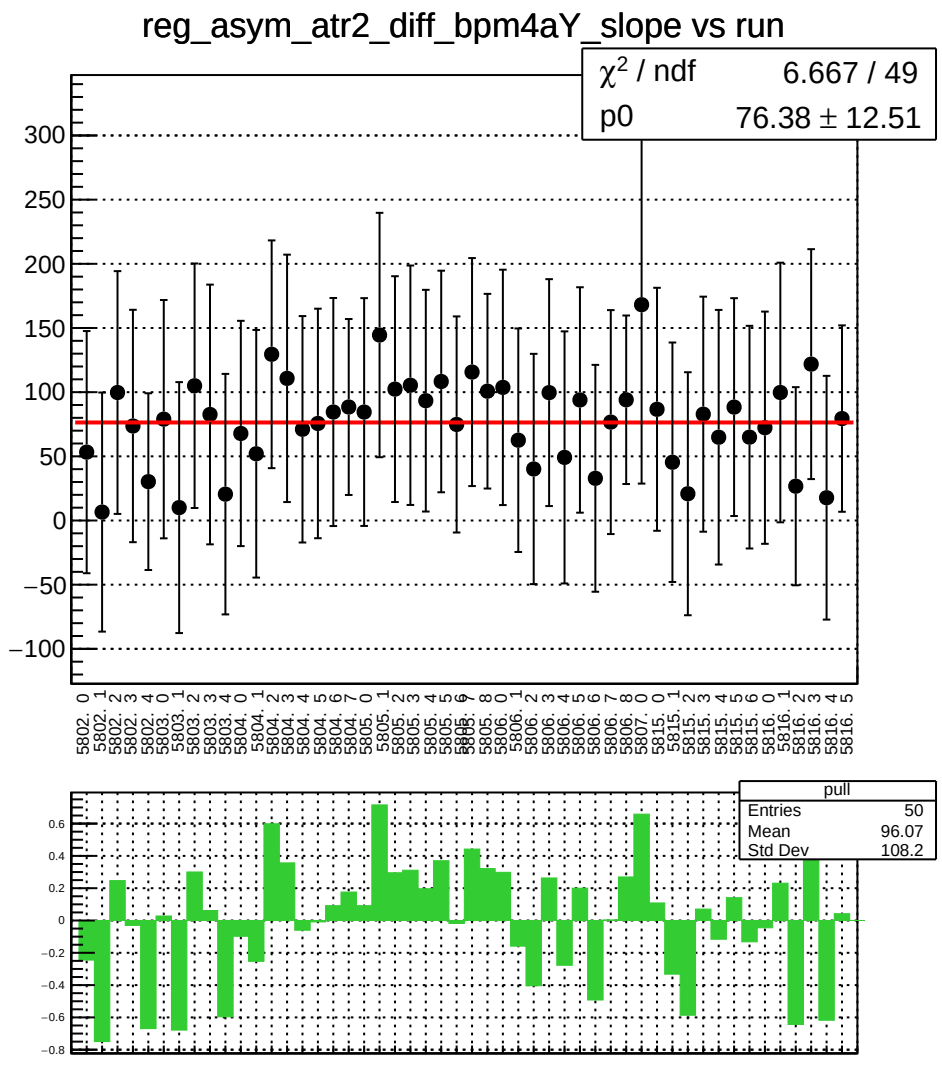

pull1D
Entries 50
Mean 0.02142
Std Dev 1.121

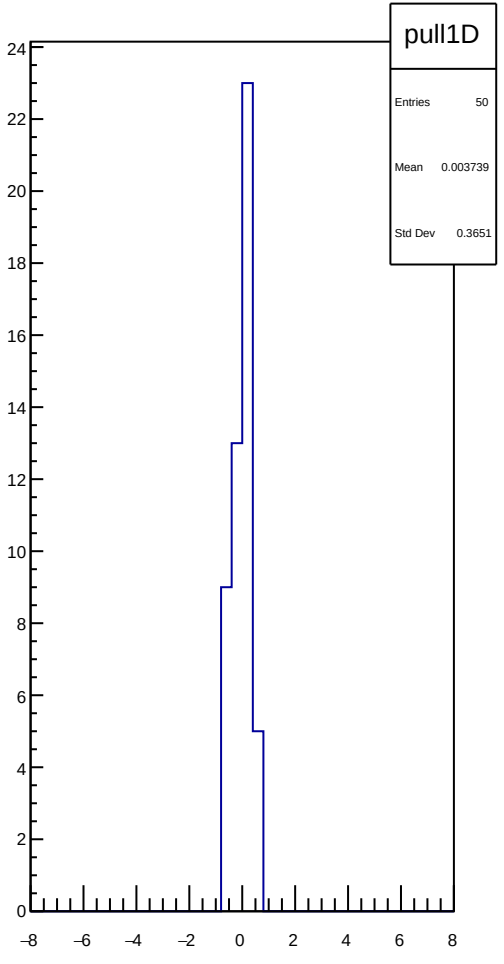

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 50.65 / 49
p0 −12.16 ± 0.2394
pull
Entries 50
Mean −2.832
Std Dev 47.59

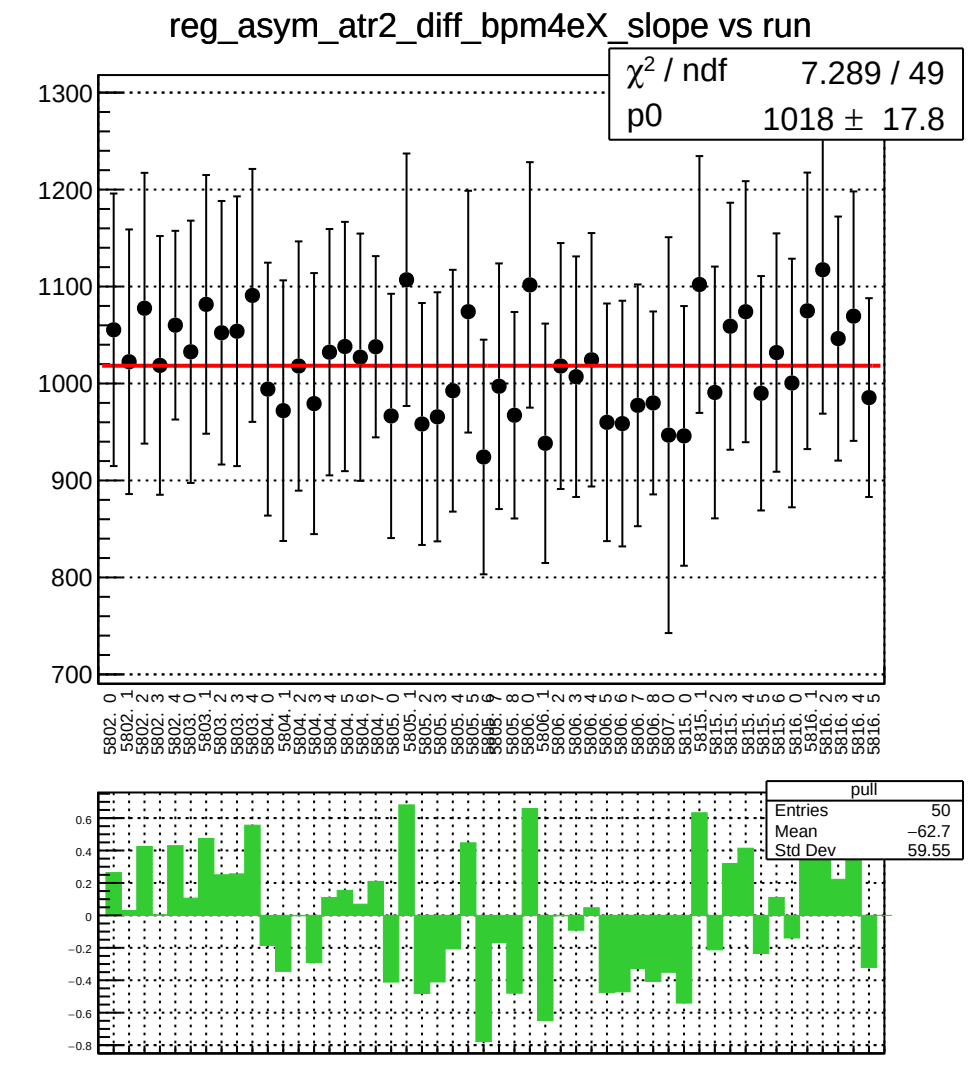

pull1D
Entries 50
Mean −0.01503
Std Dev 1.006

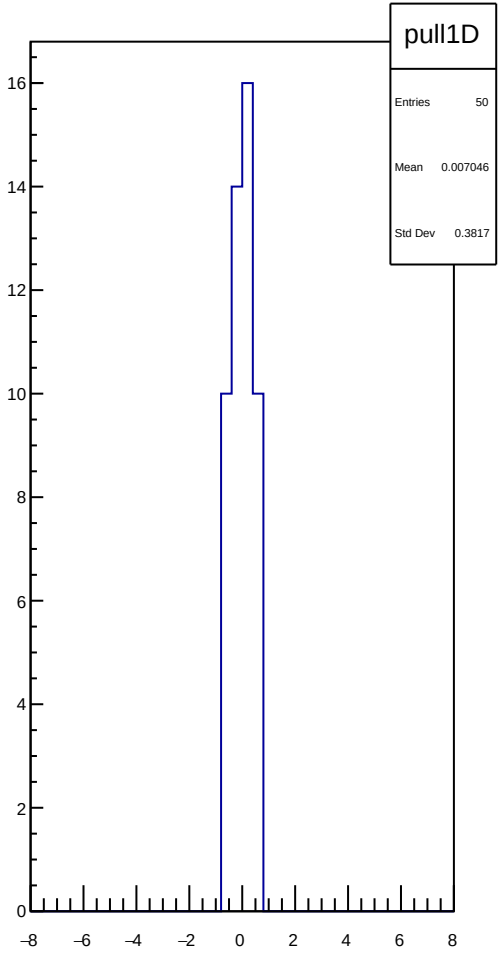

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 7.335 / 49
p0 −673.5 ± 13.97
pull
Entries 50
Mean −43.02
Std Dev 9.247

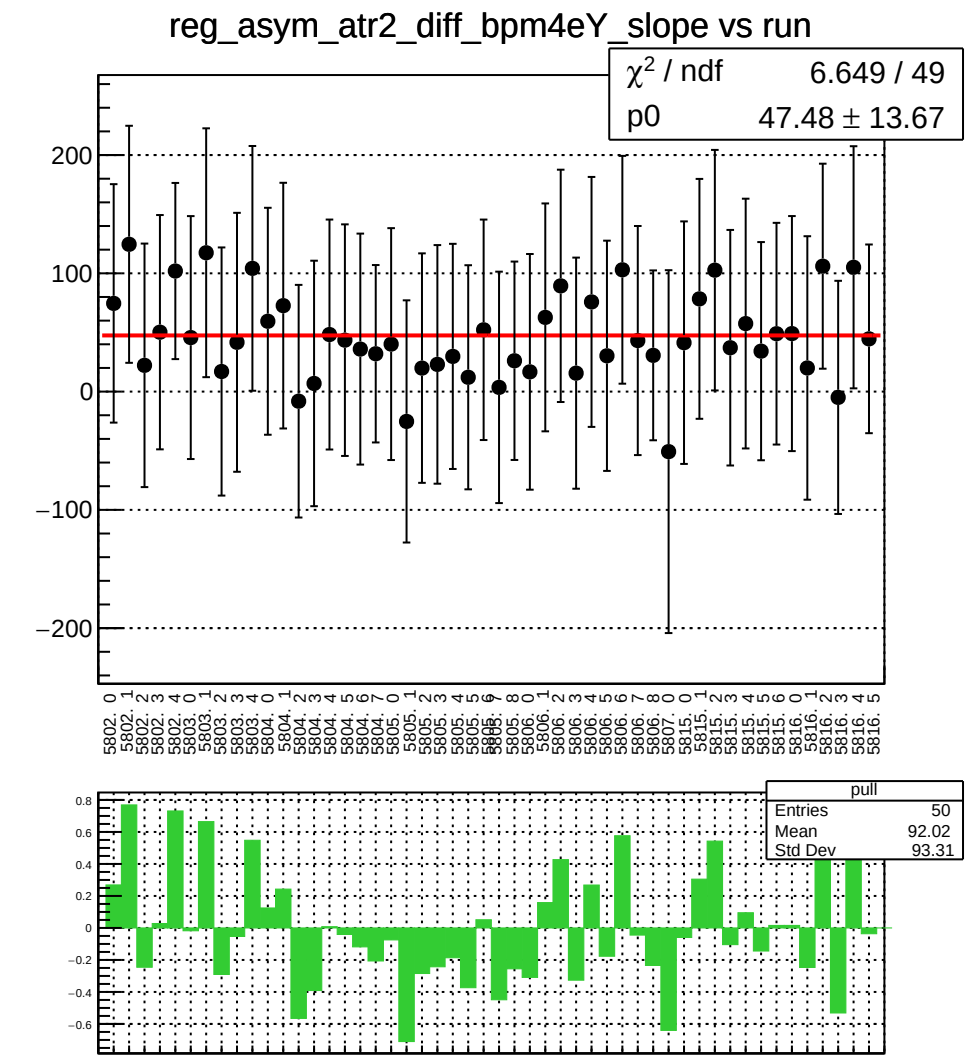

pull1D
Entries 50
Mean −0.006283
Std Dev 0.383

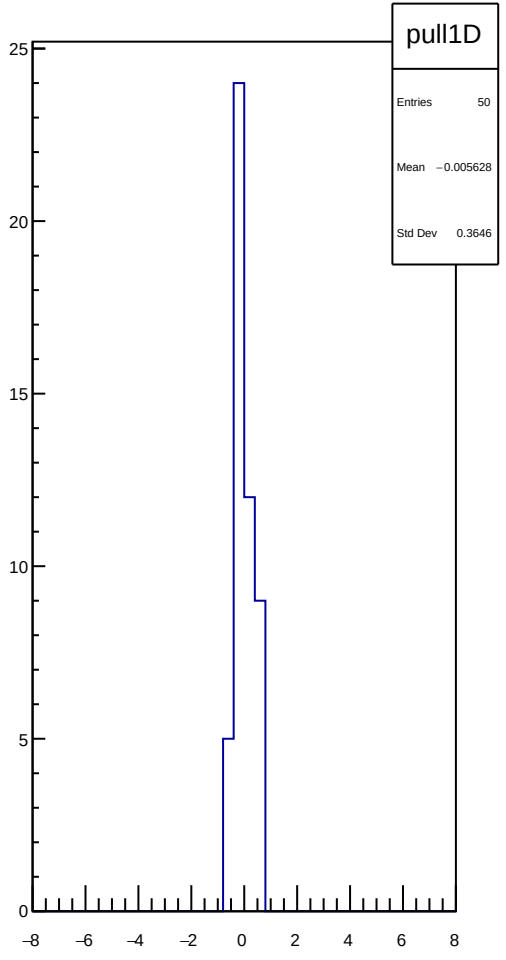

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.667 / 49
p0 76.38 ± 12.51
pull
Entries 50
Mean 96.07
Std Dev 108.2

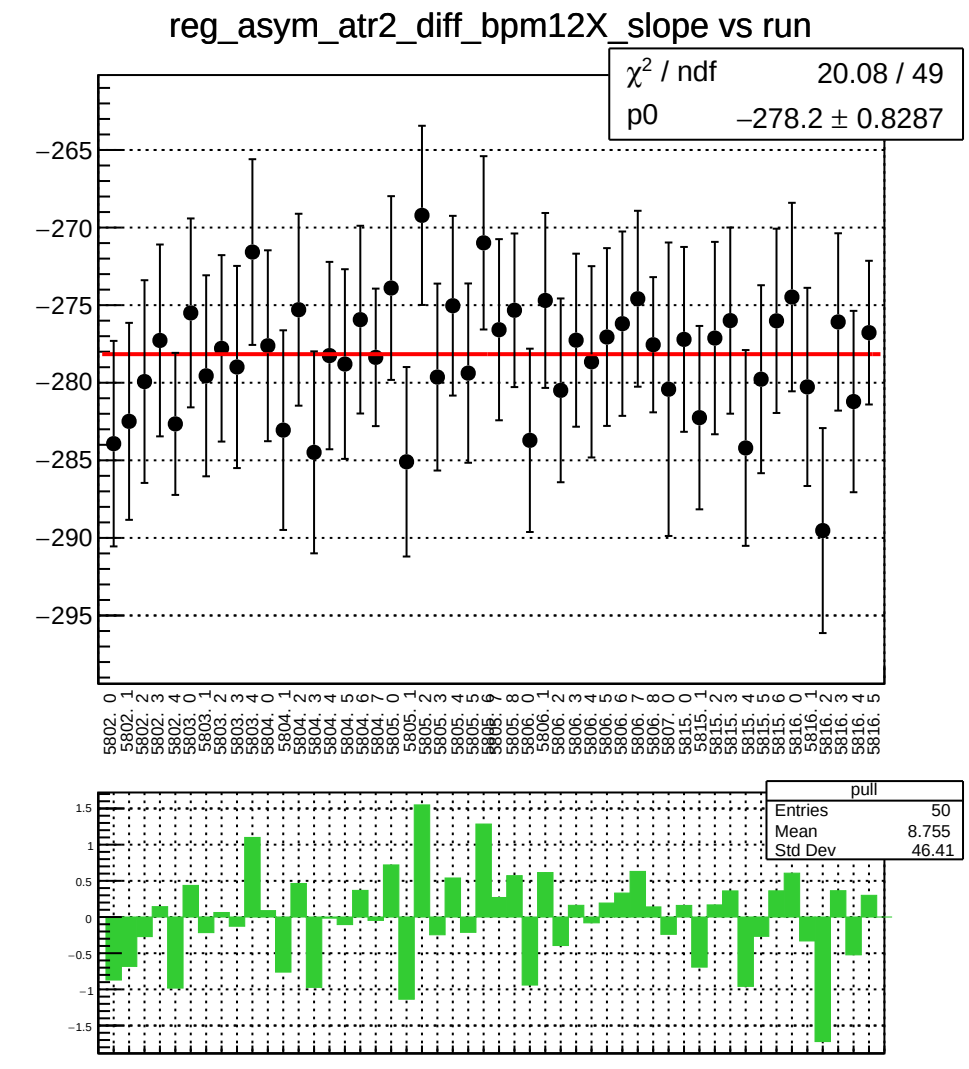

pull1D
Entries 50
Mean 0.003739
Std Dev 0.3651

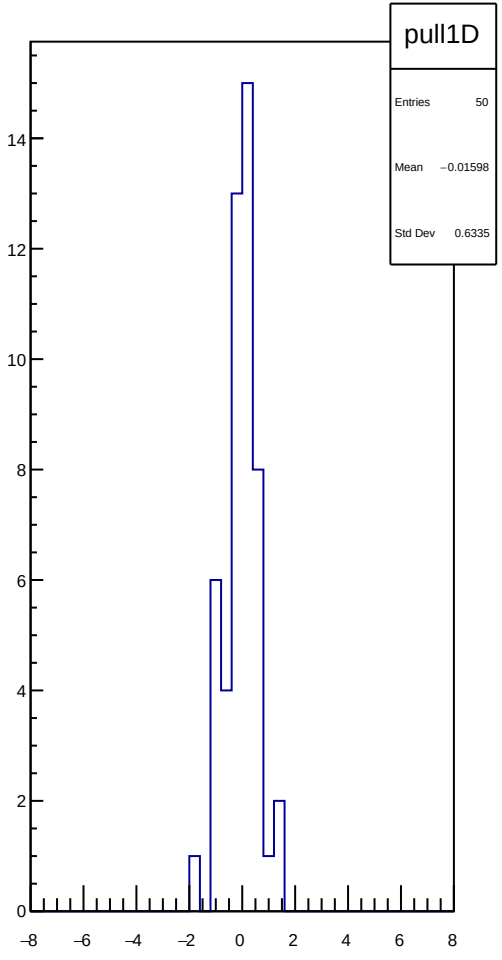

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 7.289 / 49
p0 1018 ± 17.8
1300
1200
1100
1000
900
800
700
pull
Entries 50
Mean −62.7
Std Dev 59.55
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

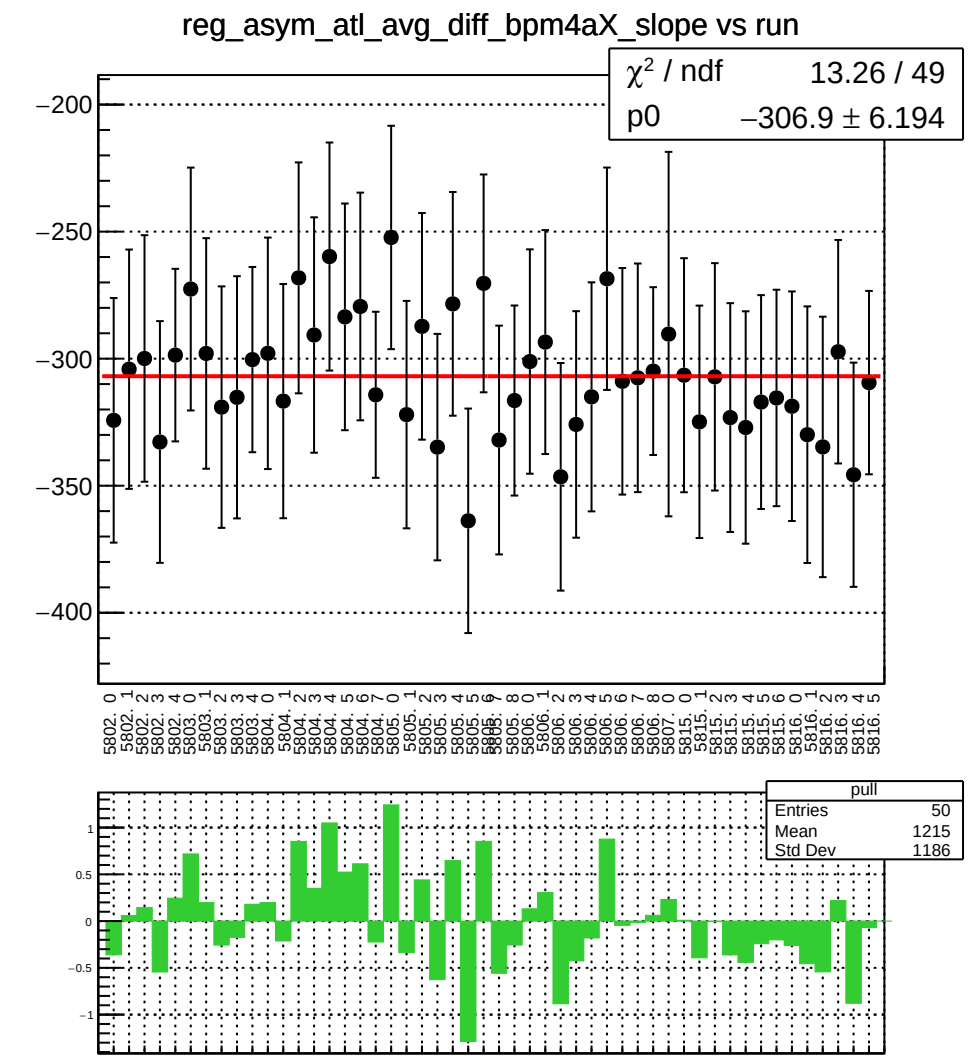

pull1D
Entries 50
Mean 0.007046
Std Dev 0.3817
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

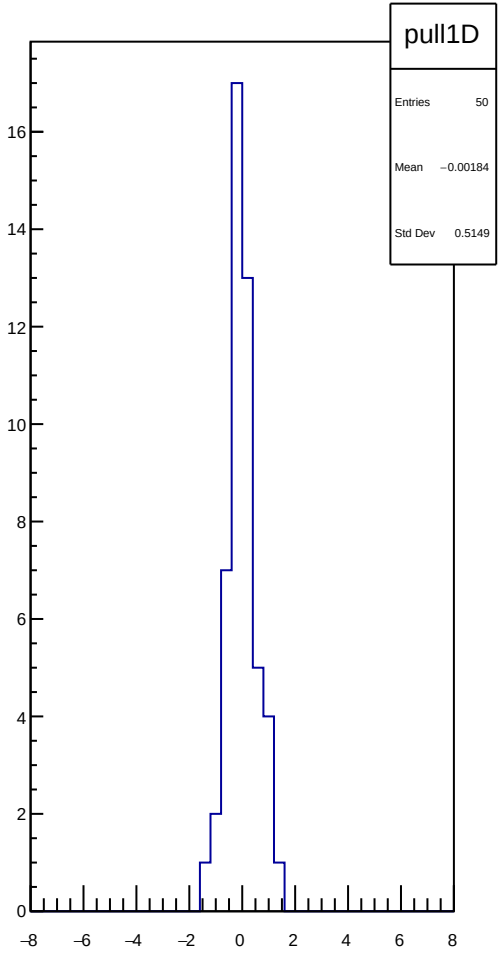

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.649 / 49
p0 47.48 ± 13.67
200
100
0
−100
−200
pull
Entries 50
Mean 92.02
Std Dev 93.31
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

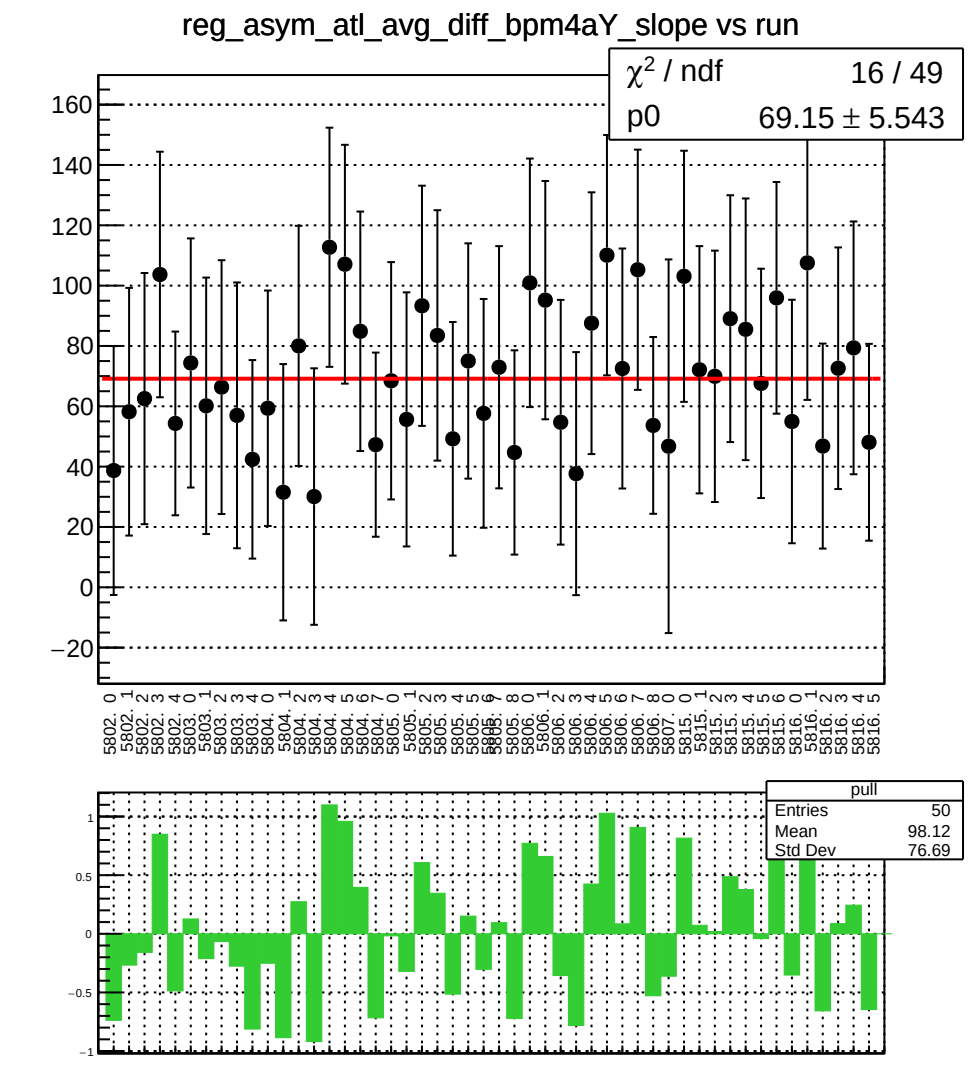

pull1D
Entries 50
Mean −0.005628
Std Dev 0.3646
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

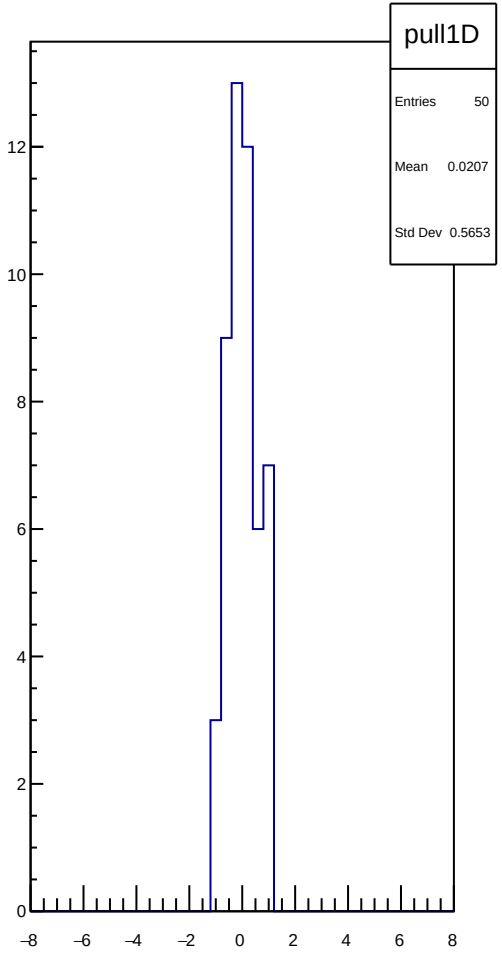

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 20.08 / 49
p0 −278.2 ± 0.8287
pull
Entries 50
Mean 8.755
Std Dev 46.41

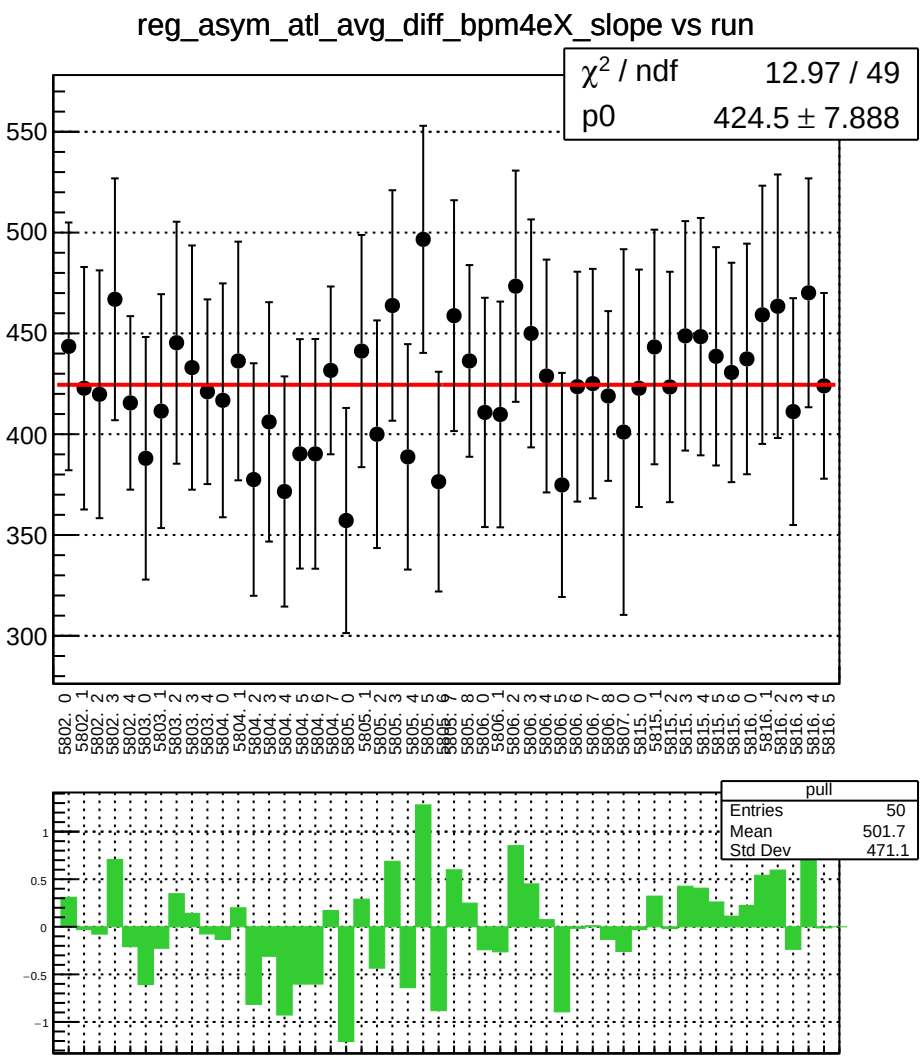

pull1D
Entries 50
Mean −0.01598
Std Dev 0.6335

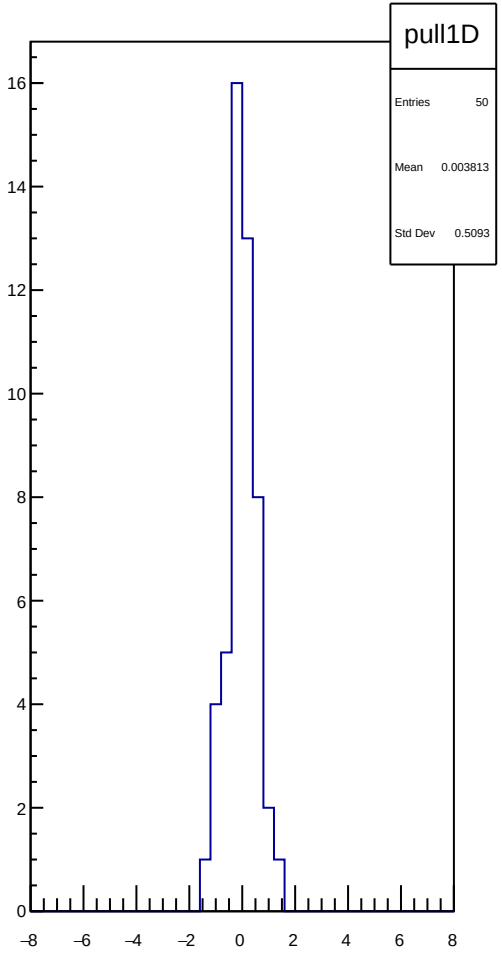

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.26 / 49
p0 −306.9 ± 6.194
pull
Entries 50
Mean 1215
Std Dev 1186

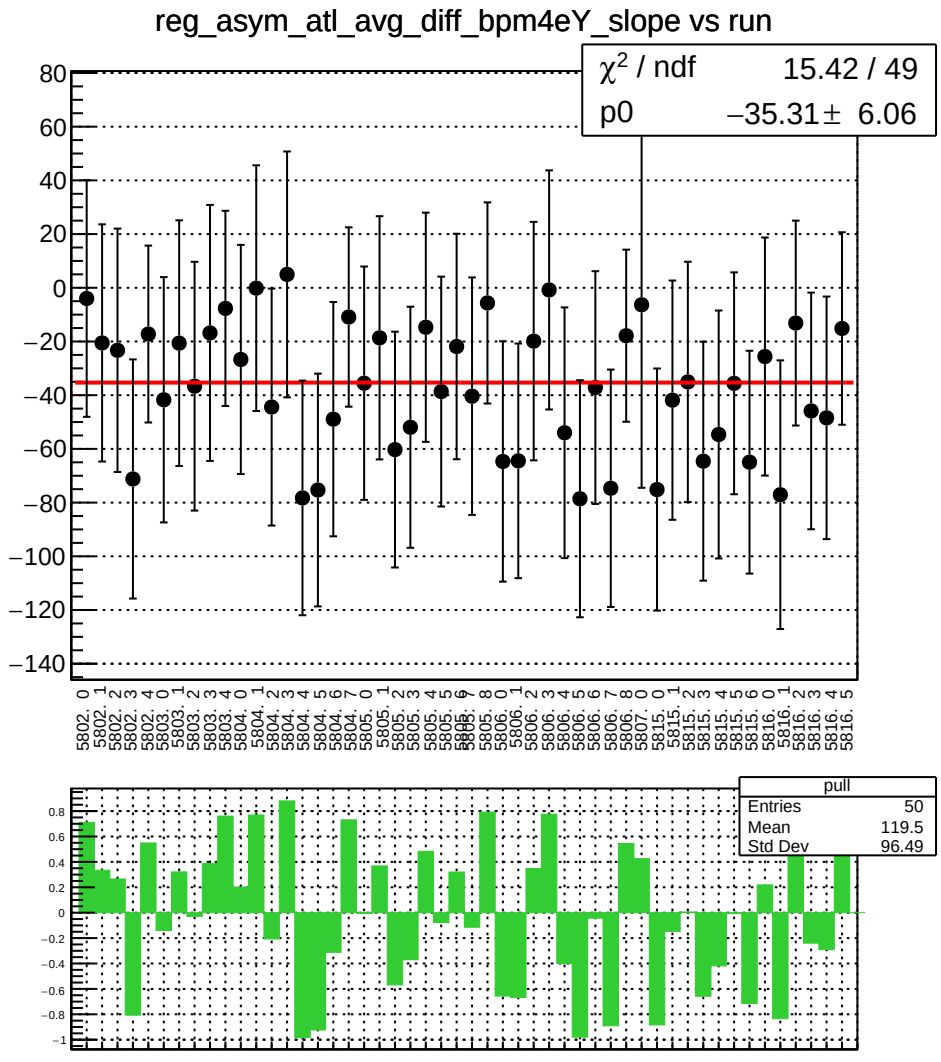

pull1D
Entries 50
Mean −0.00184
Std Dev 0.5149

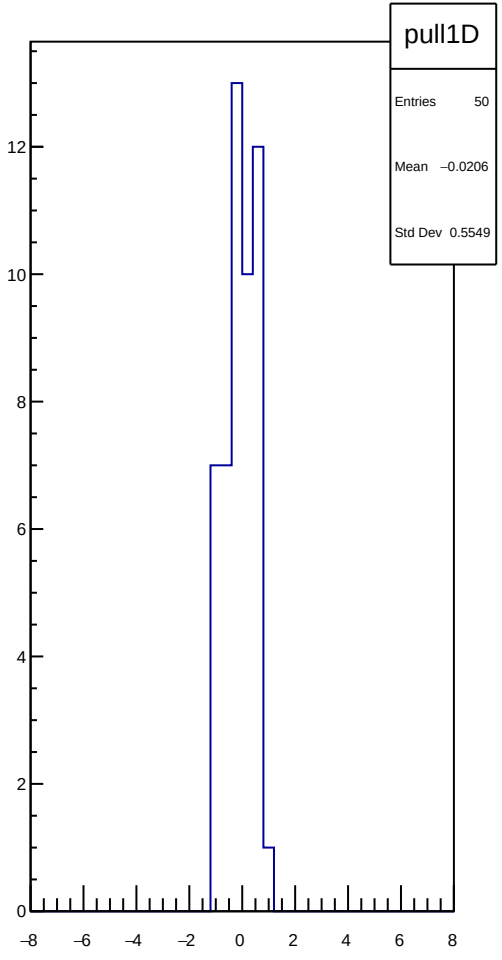

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 16 / 49
p0 69.15 ± 5.543
pull
Entries 50
Mean 98.12
Std Dev 76.69

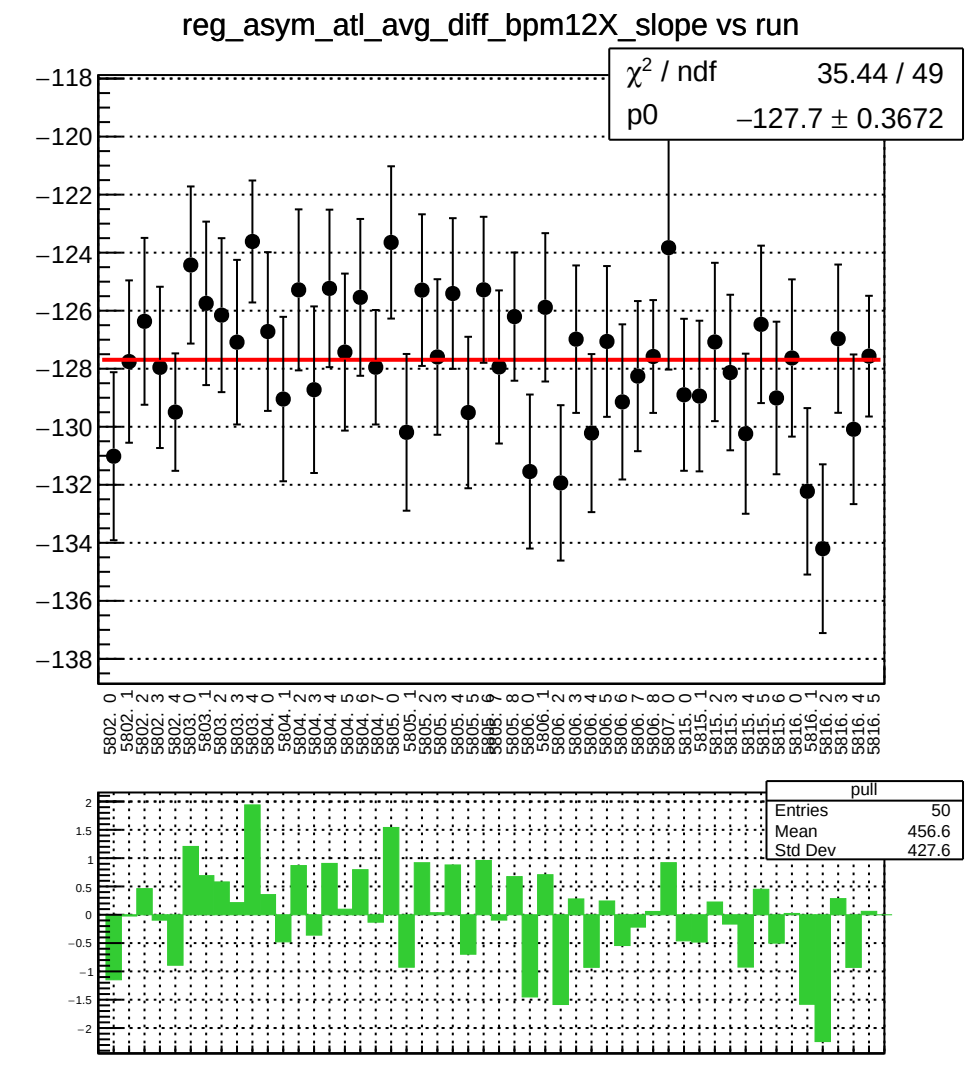

pull1D
Entries 50
Mean 0.0207
Std Dev 0.5653

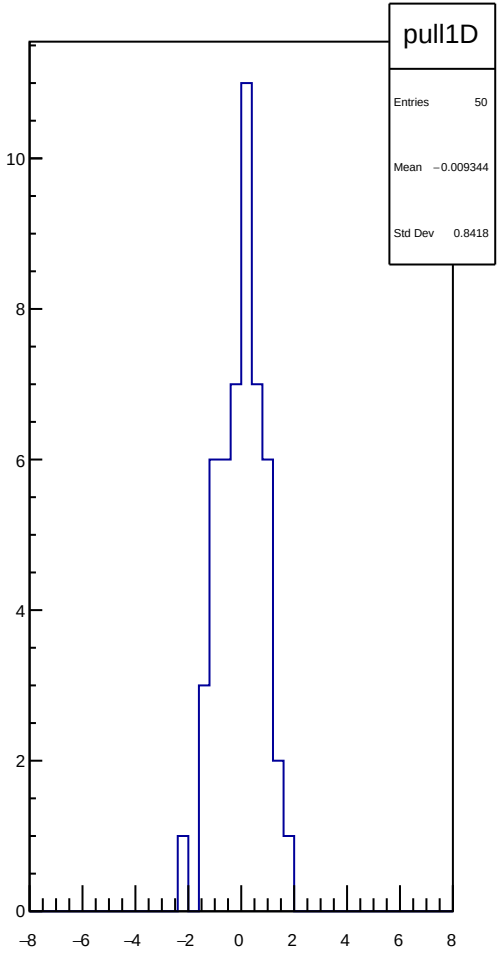

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.97 / 49
p0 424.5 ± 7.888
550
500
450
400
350
300
pull
Entries 50
Mean 501.7
Std Dev 471.1
1
0.5
0
−0.5
−1

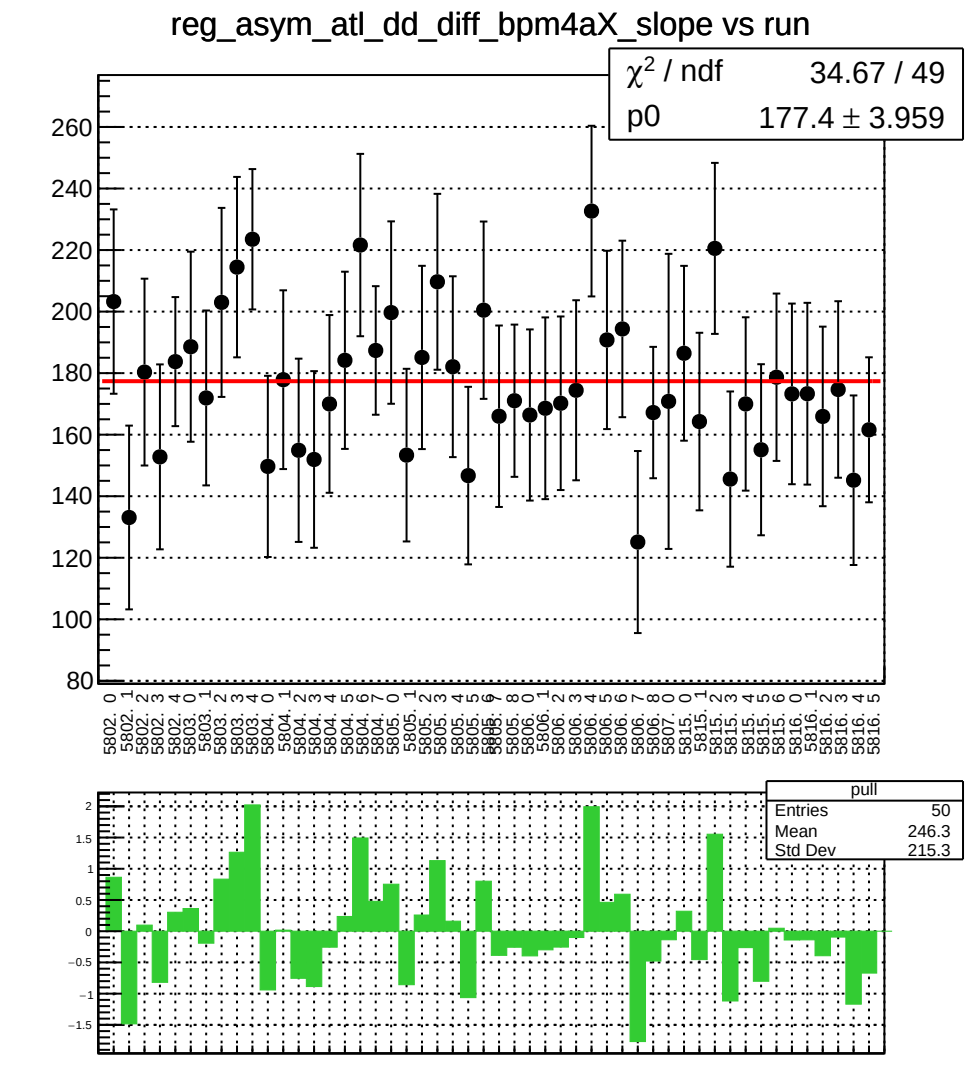

pull1D
Entries 50
Mean 0.003813
Std Dev 0.5093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

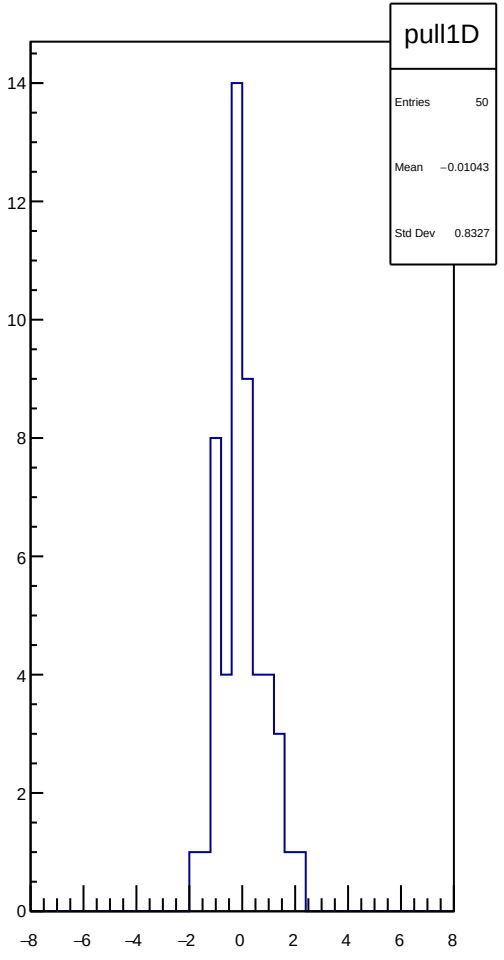

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.42 / 49
p0 −35.31 ± 6.06
pull
Entries 50
Mean 119.5
Std Dev 96.49

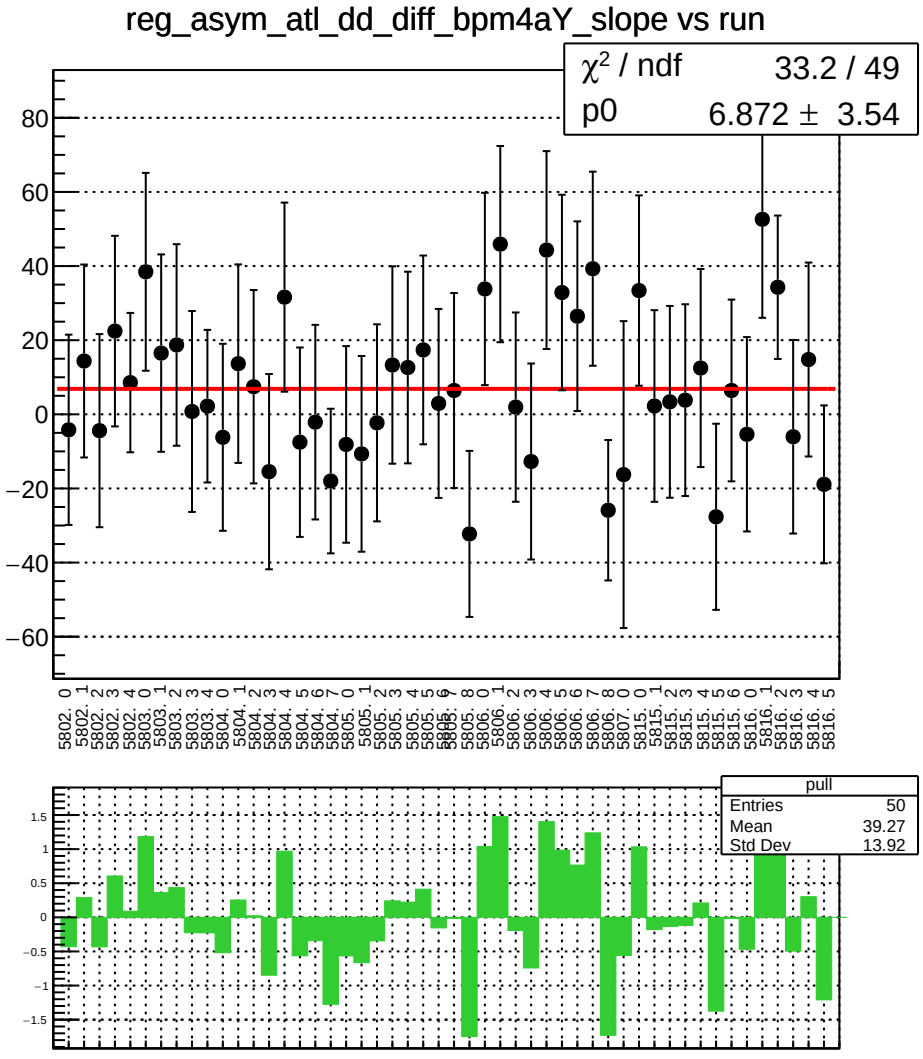

pull1D
Entries 50
Mean −0.0206
Std Dev 0.5549

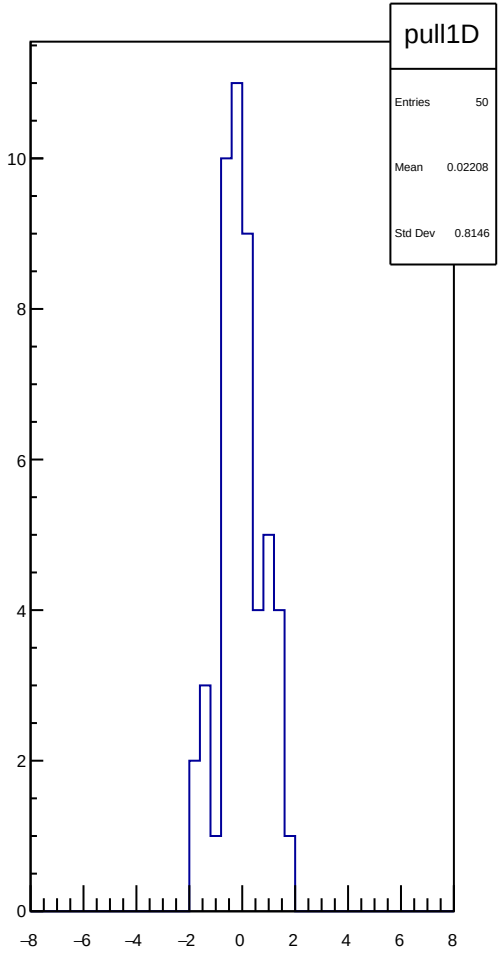

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 35.44 / 49
p0 −127.7 ± 0.3672
pull
Entries 50
Mean 456.6
Std Dev 427.6

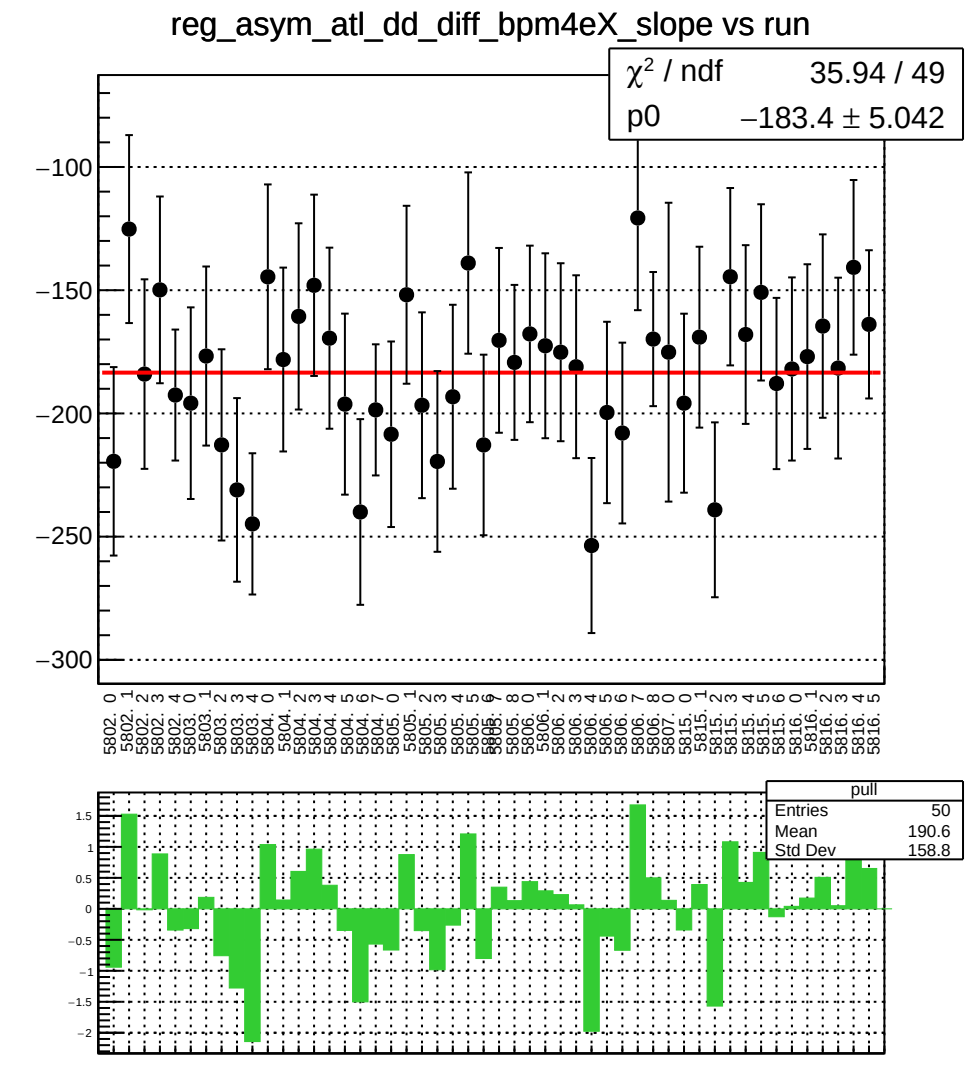

pull1D
Entries 50
Mean −0.009344
Std Dev 0.8418

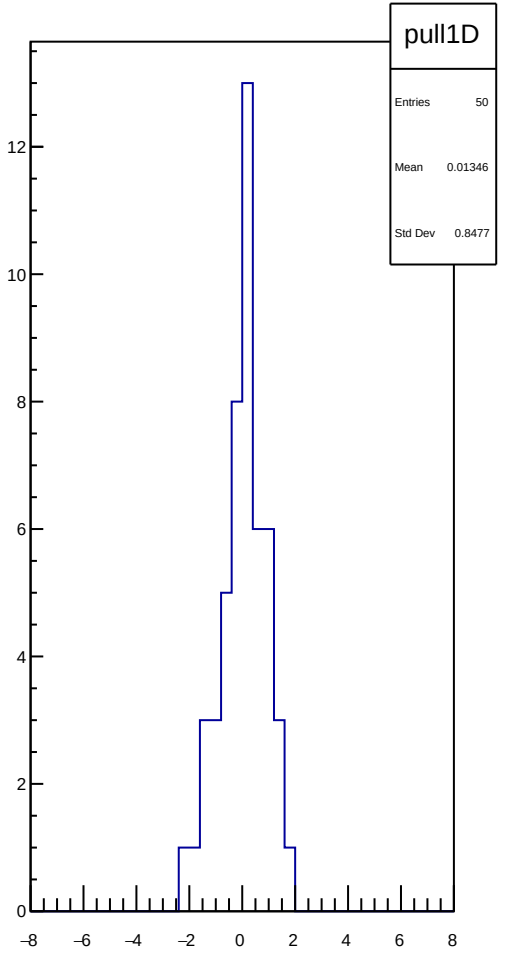

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.67 / 49
p0 177.4 ± 3.959
pull
Entries 50
Mean 246.3
Std Dev 215.3

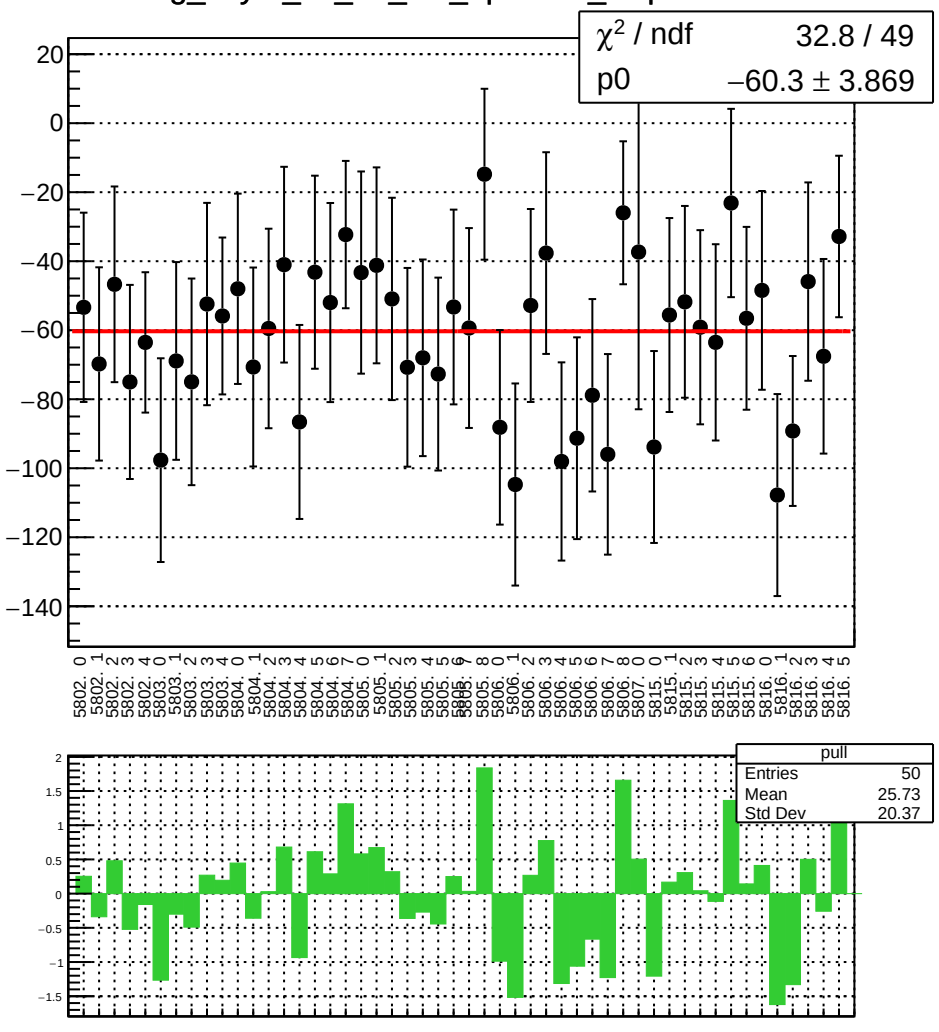

pull1D
Entries 50
Mean −0.01043
Std Dev 0.8327

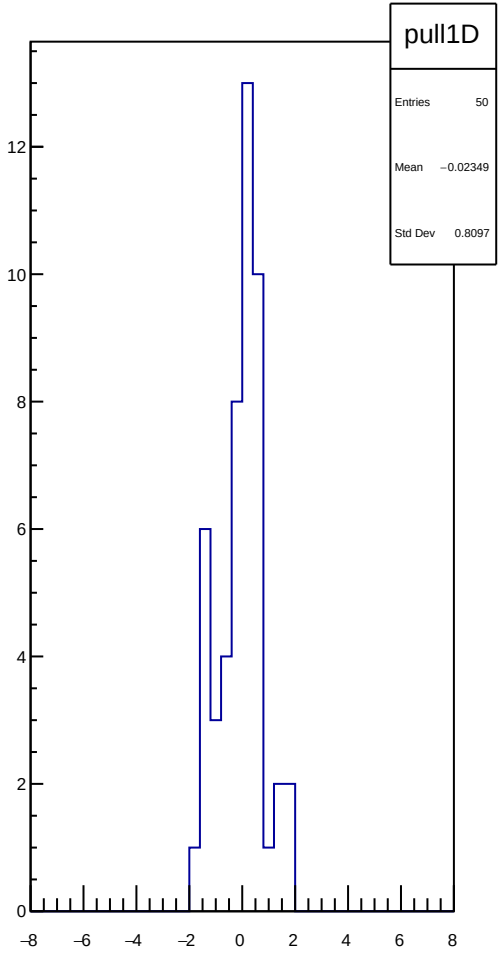

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.2 / 49
p0 6.872 ± 3.54
pull
Entries 50
Mean 39.27
Std Dev 13.92

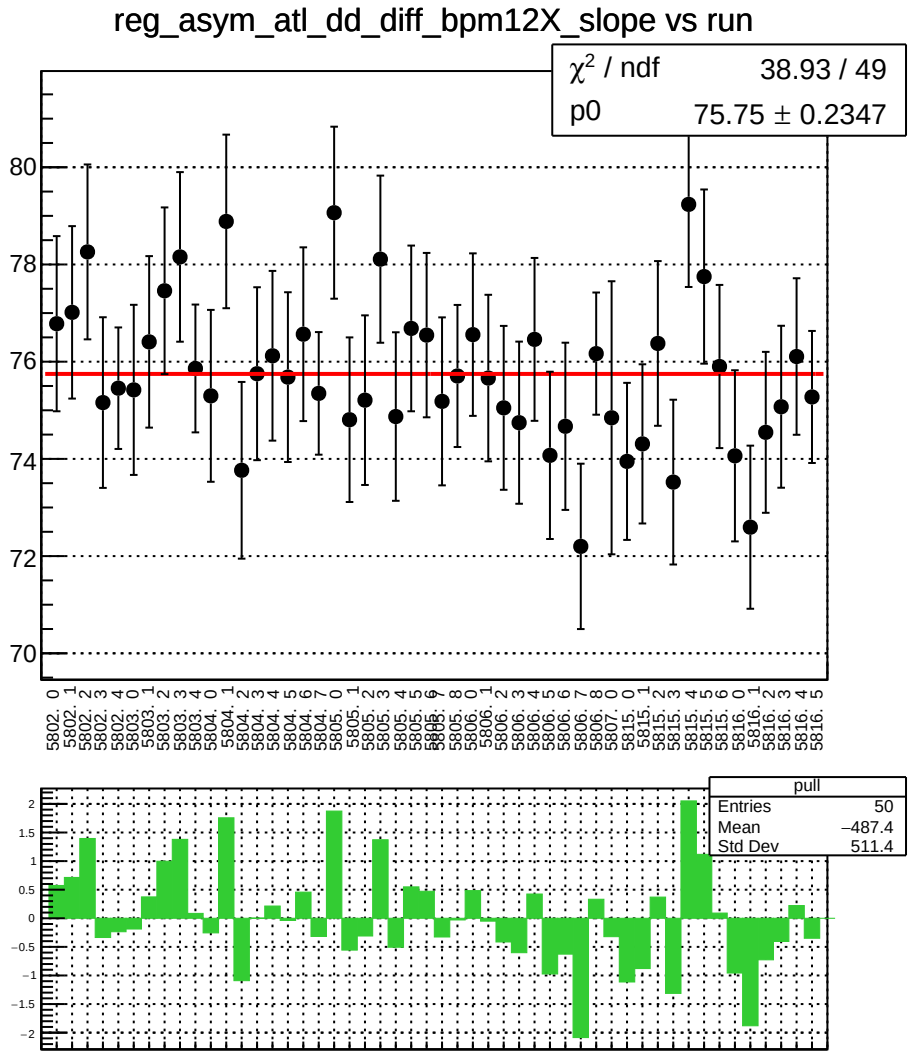

pull1D
Entries 50
Mean 0.02208
Std Dev 0.8146

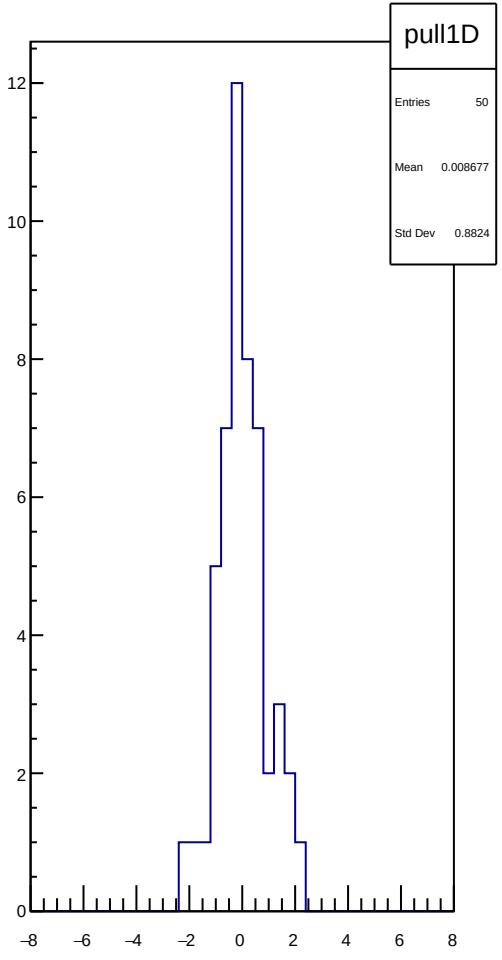

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.94 / 49
p0 −183.4 ± 5.042
−100
−150
−200
−250
−300
pull
Entries 50
Mean 190.6
Std Dev 158.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

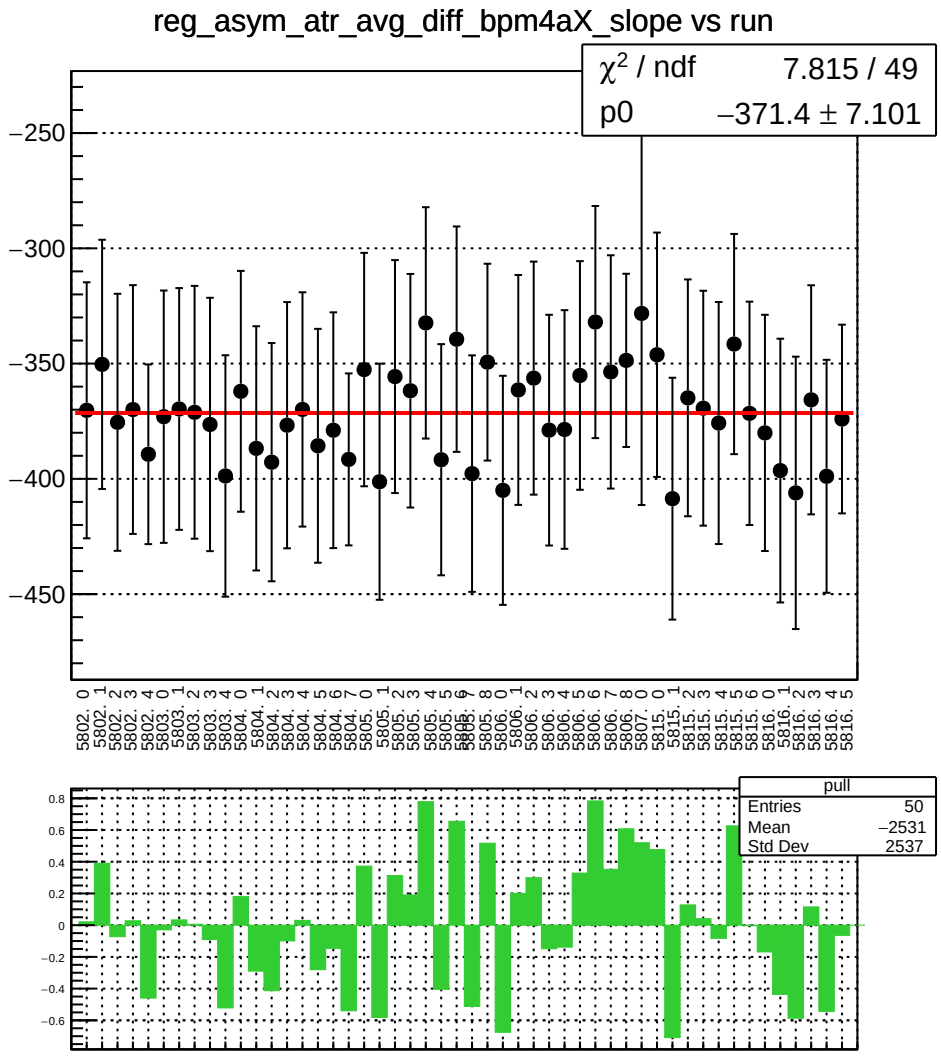

pull1D
Entries 50
Mean 0.01346
Std Dev 0.8477
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

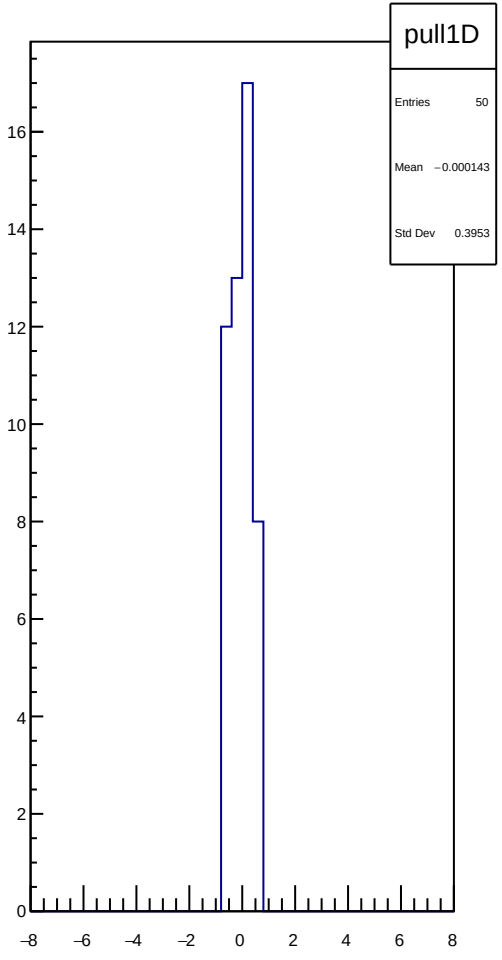

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.8 / 49
p0 −60.3 ± 3.869
pull
Entries 50
Mean 25.73
Std Dev 20.37

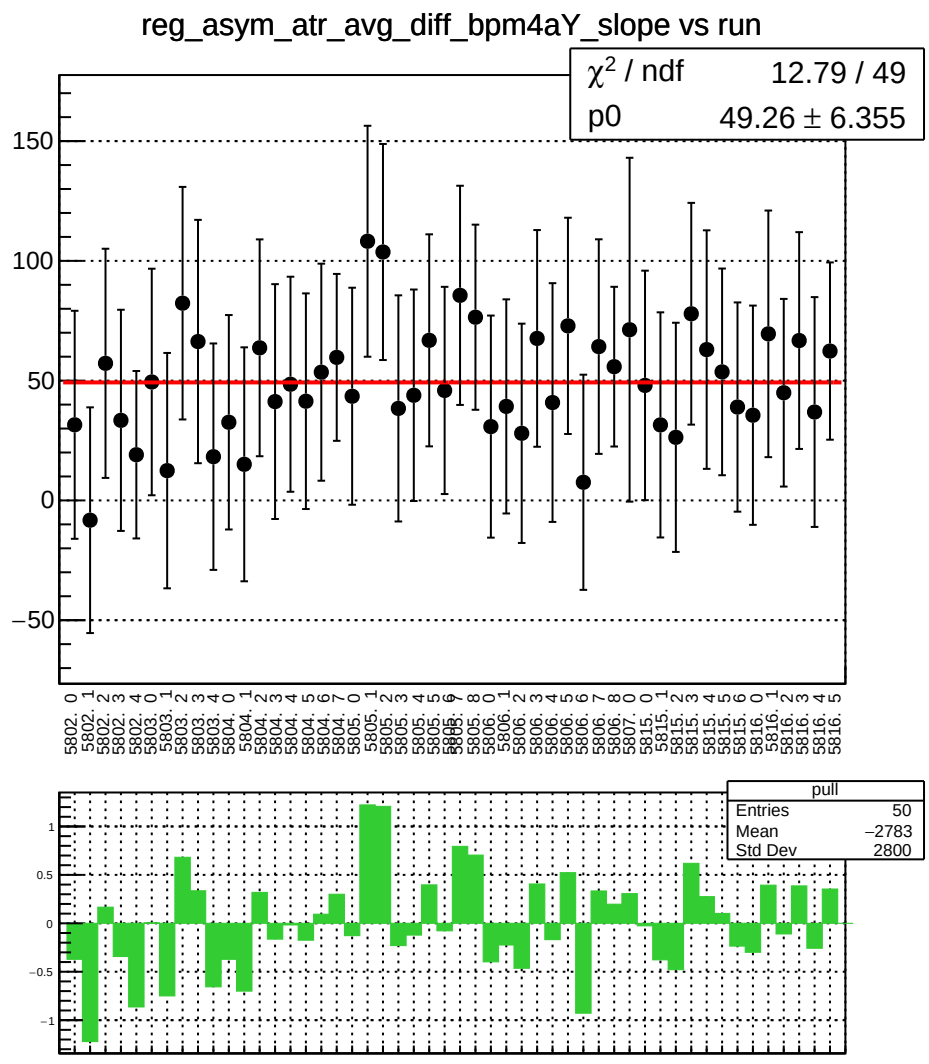

pull1D
Entries 50
Mean −0.02349
Std Dev 0.8097

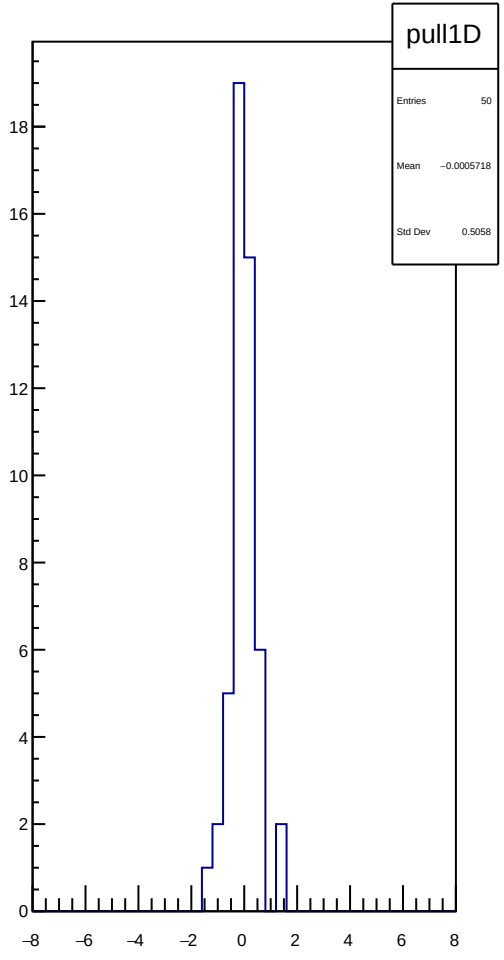

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 38.93 / 49
p0 75.75 ± 0.2347
80
78
76
74
72
70
pull
Entries 50
Mean −487.4
Std Dev 511.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

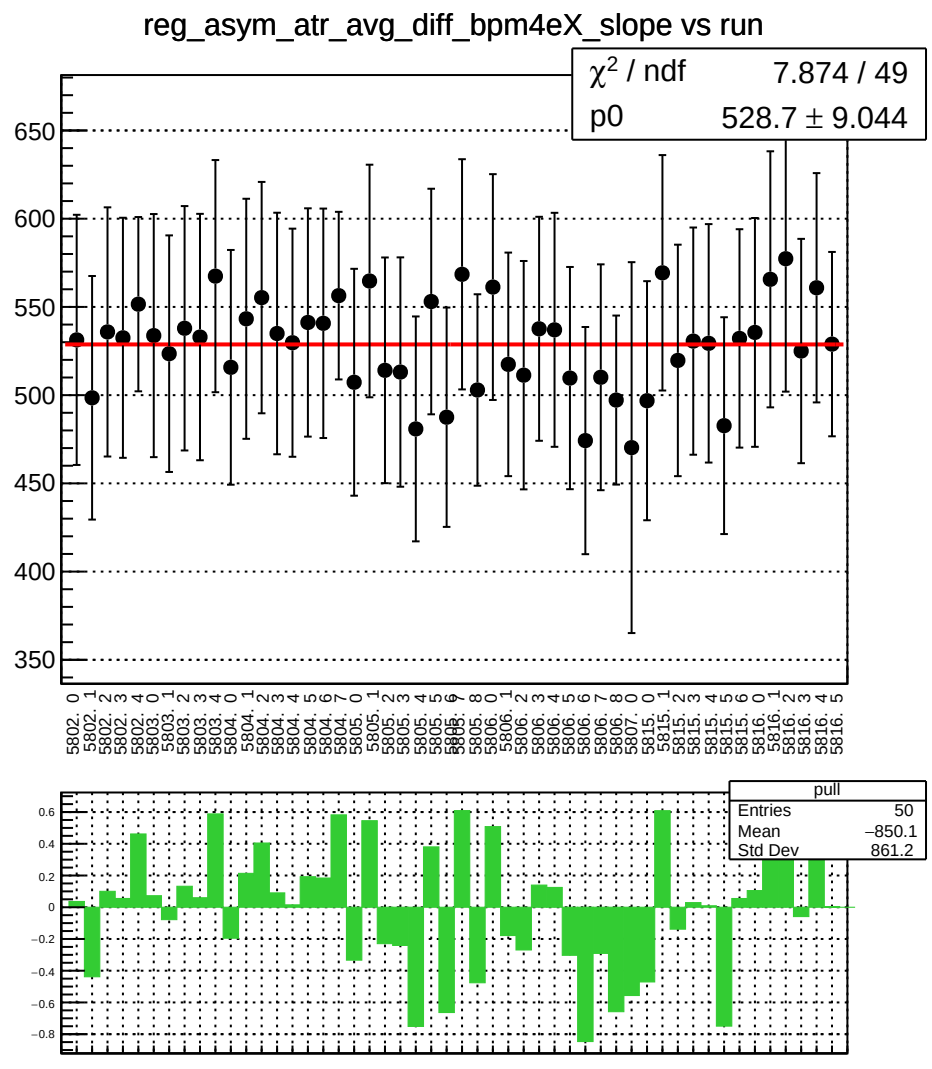

pull1D
Entries 50
Mean 0.008677
Std Dev 0.8824
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

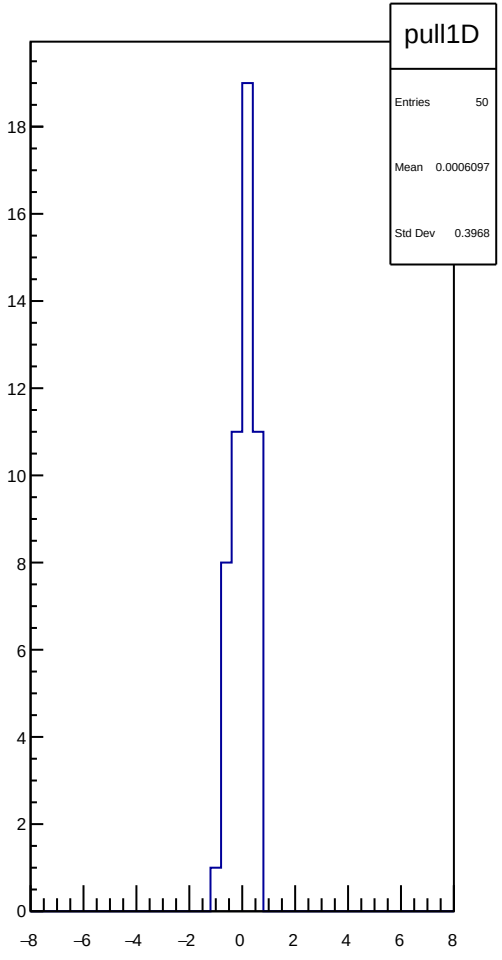

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.815 / 49
p0 −371.4 ± 7.101
−250
−300
−350
−400
−450
pull
Entries 50
Mean −2531
Std Dev 2537
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

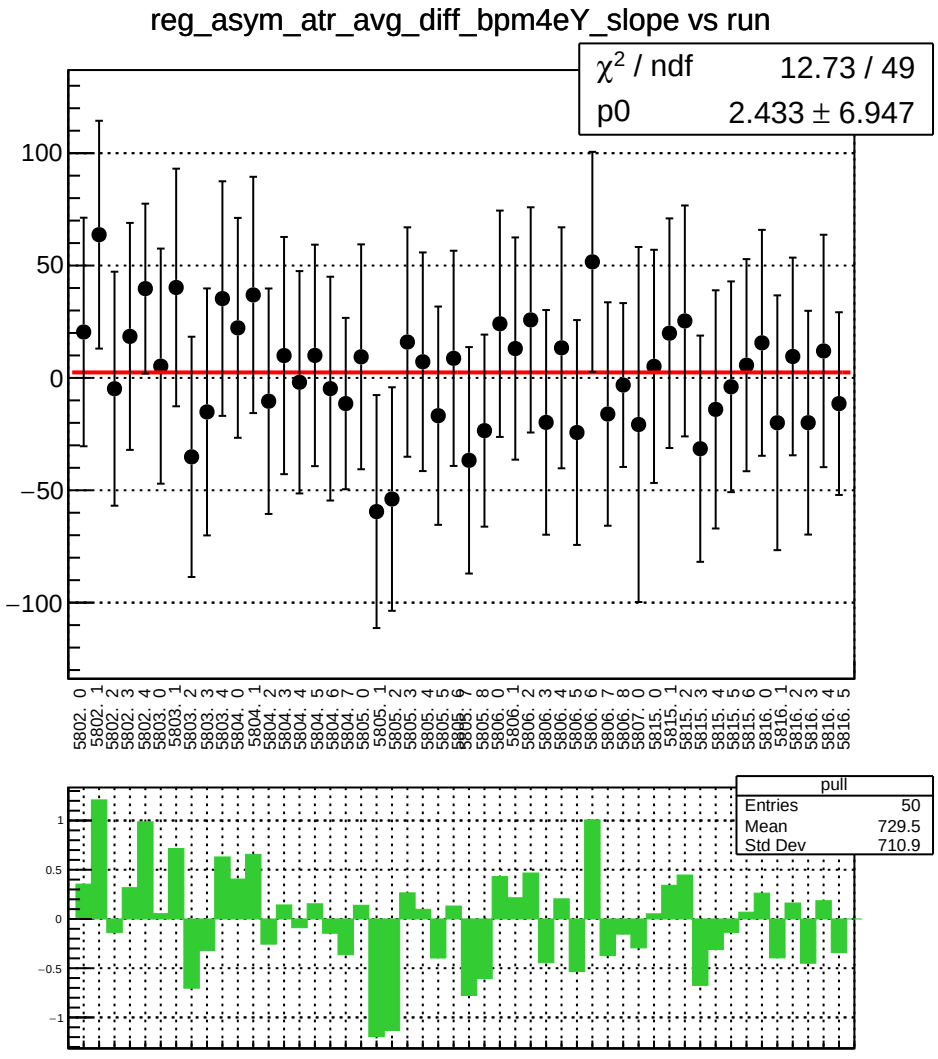

pull1D
Entries 50
Mean −0.000143
Std Dev 0.3953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

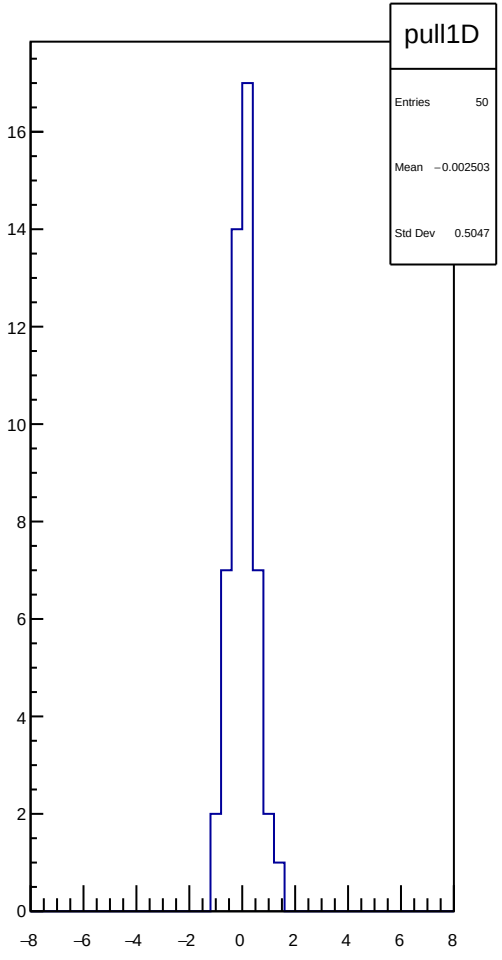

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.79 / 49
p0 49.26 ± 6.355
150
100
50
0
−50
pull
Entries 50
Mean −2783
Std Dev 2800
1
0.5
0
−0.5
−1

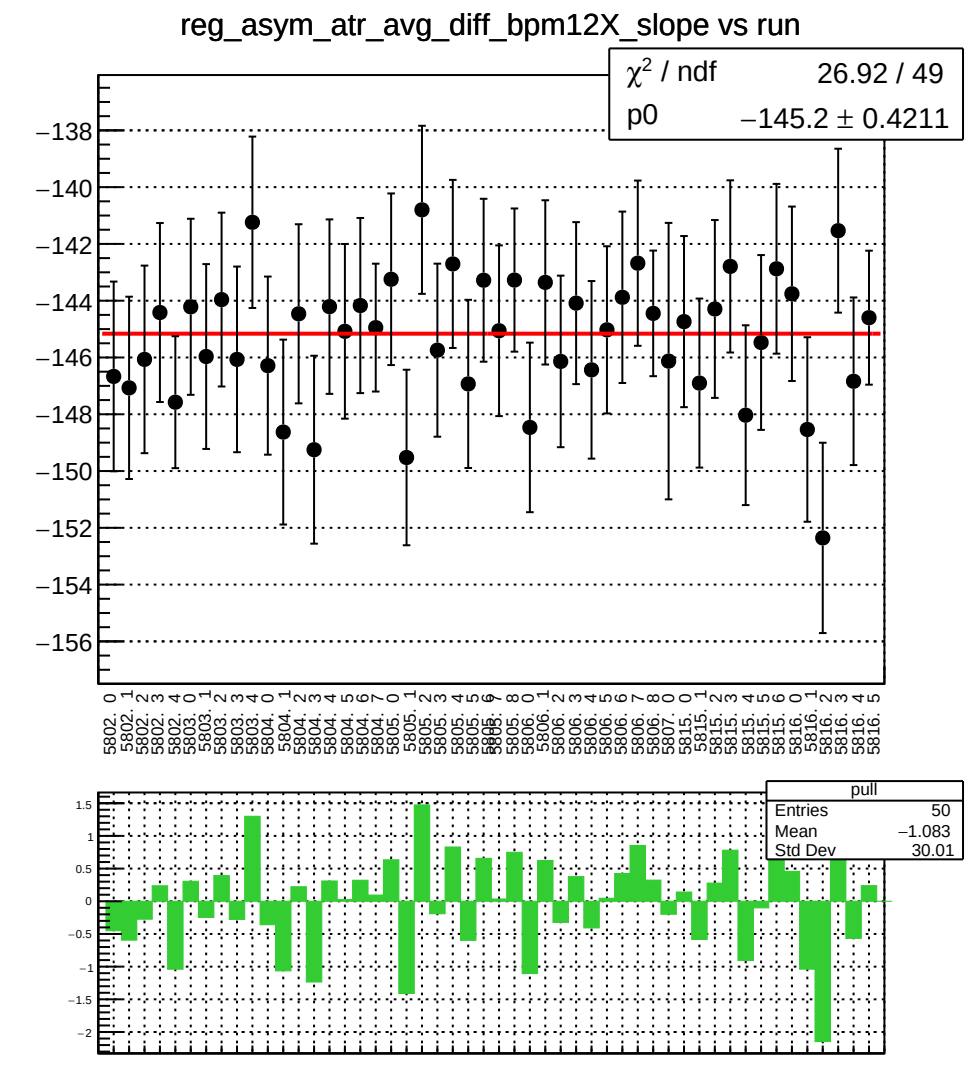

pull1D
Entries 50
Mean −0.0005718
Std Dev 0.5058
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

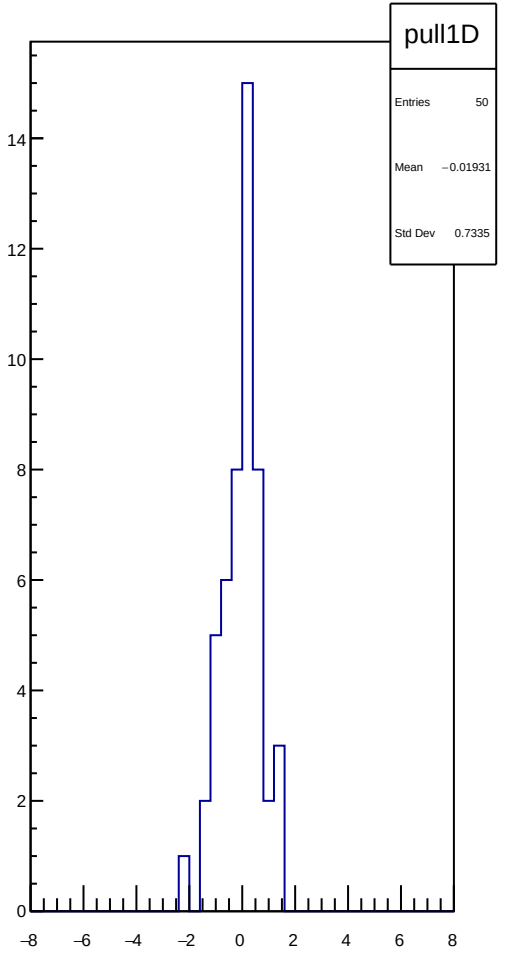

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.874 / 49
p0 528.7 ± 9.044
650
600
550
500
450
400
350
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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

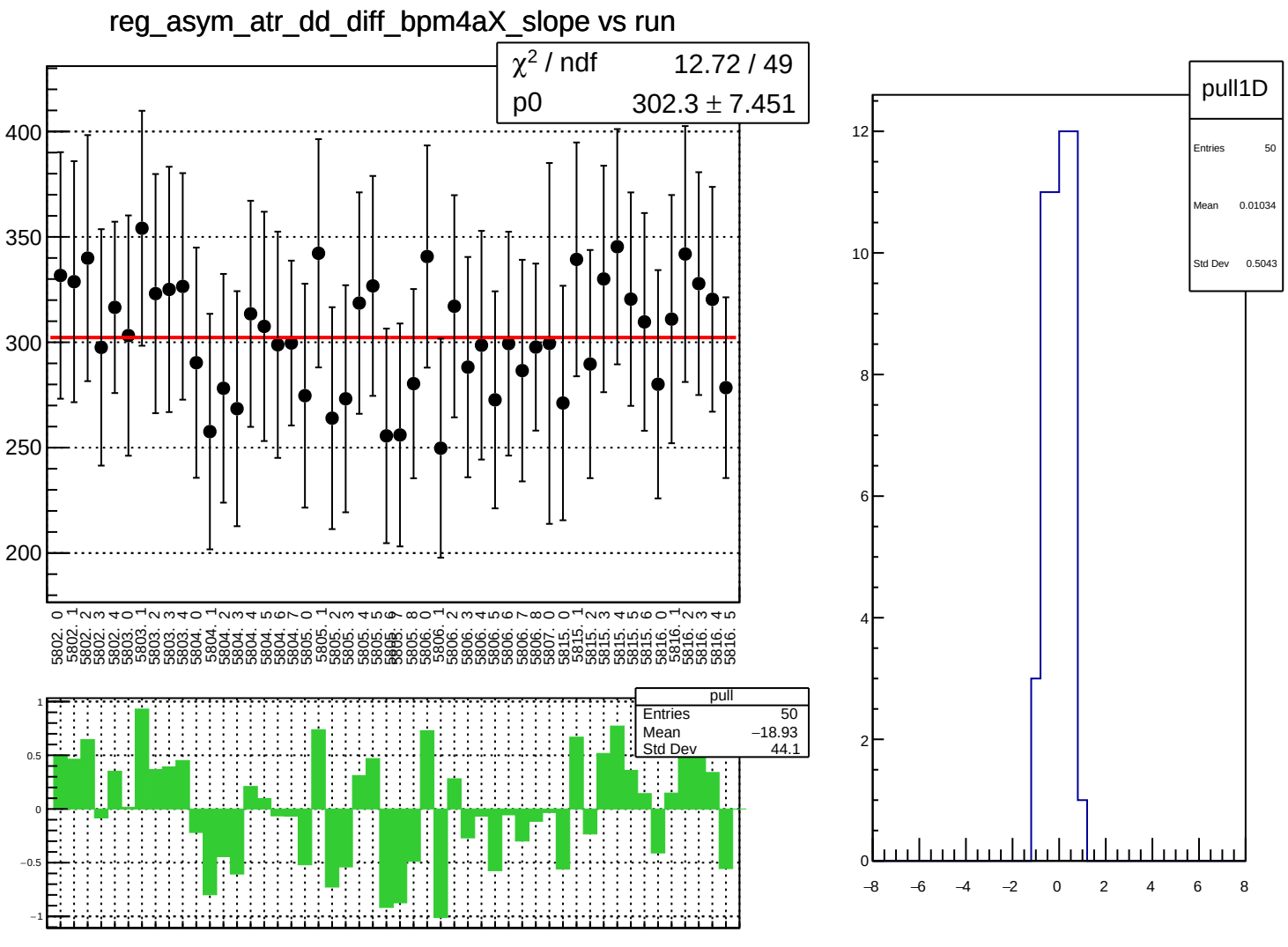

pull1D
Entries 50
Mean 0.0006097
Std Dev 0.3968
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

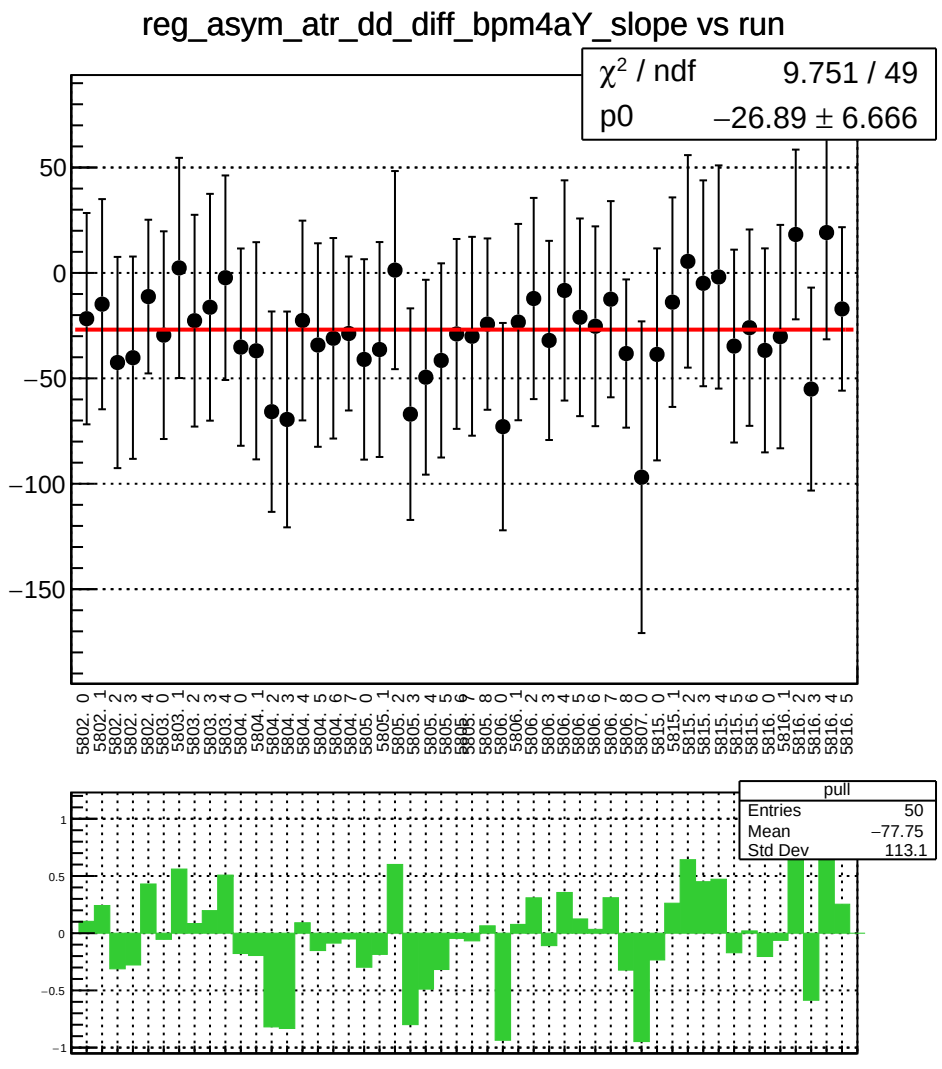

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.73 / 49
p0 2.433 ± 6.947
100
50
0
−50
−100
pull
Entries 50
Mean 729.5
Std Dev 710.9
1
0.5
0
−0.5
−1

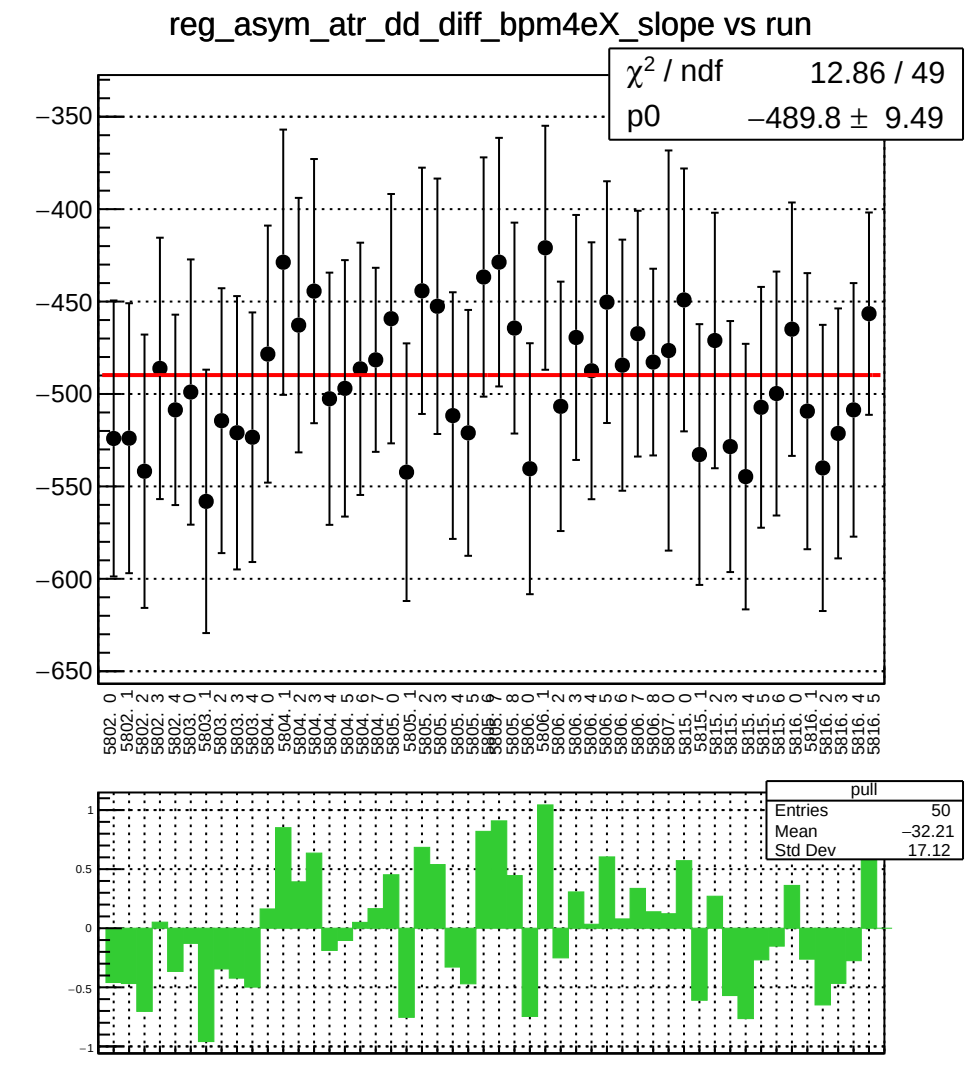

pull1D
Entries 50
Mean −0.002503
Std Dev 0.5047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

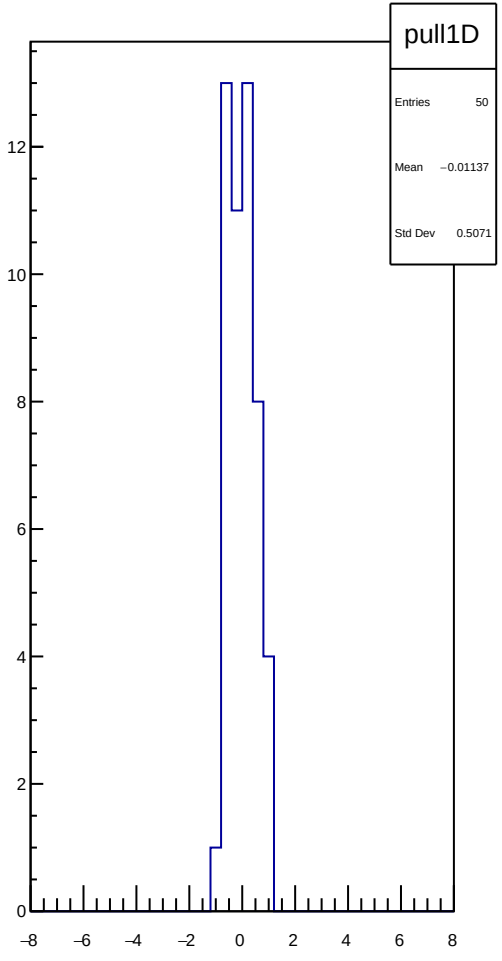

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 26.92 / 49
p0 −145.2 ± 0.4211
pull
Entries 50
Mean −1.083
Std Dev 30.01

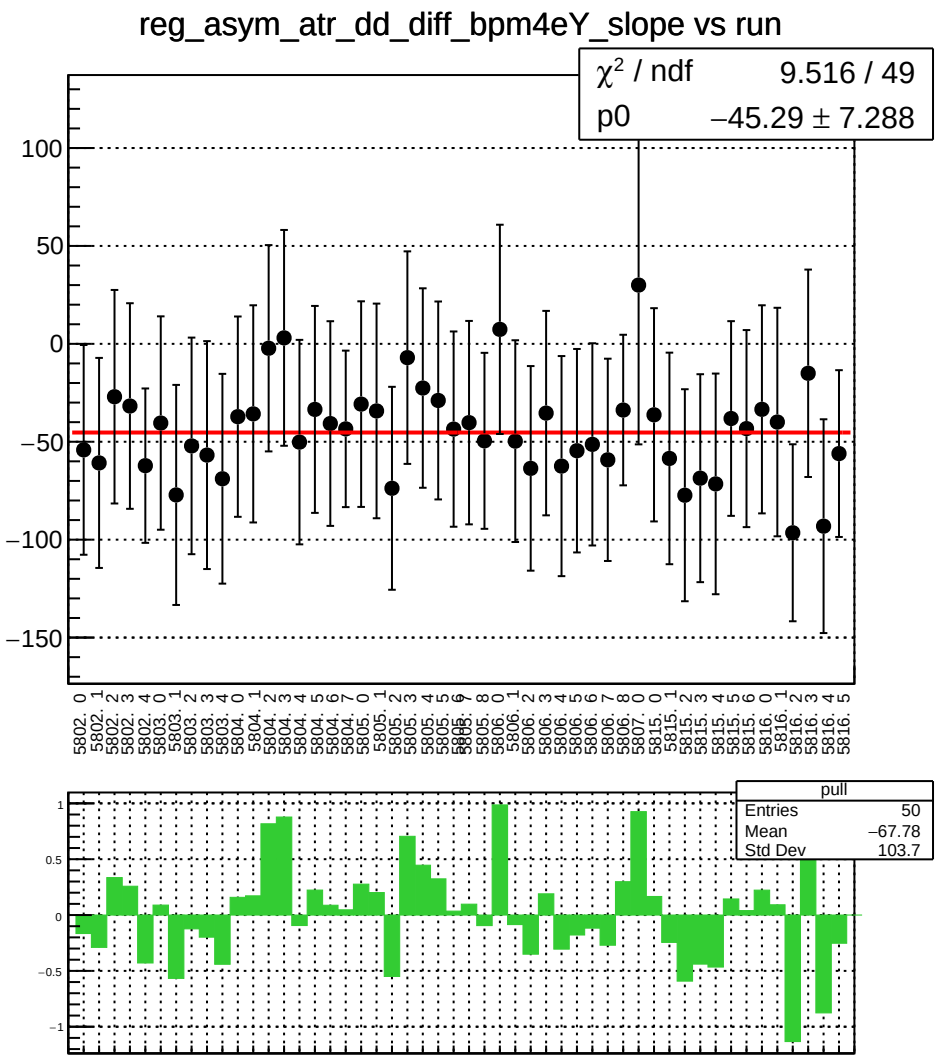

pull1D
Entries 50
Mean −0.01931
Std Dev 0.7335

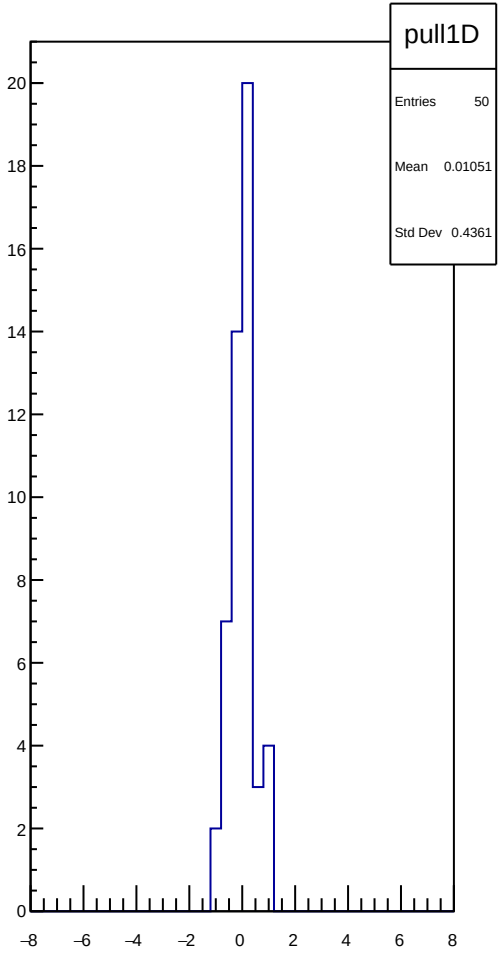

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.72 / 49
p0 302.3 ± 7.451
pull
Entries 50
Mean −18.93
Std Dev 44.1
pull1D
Entries 50
Mean 0.01034
Std Dev 0.5043

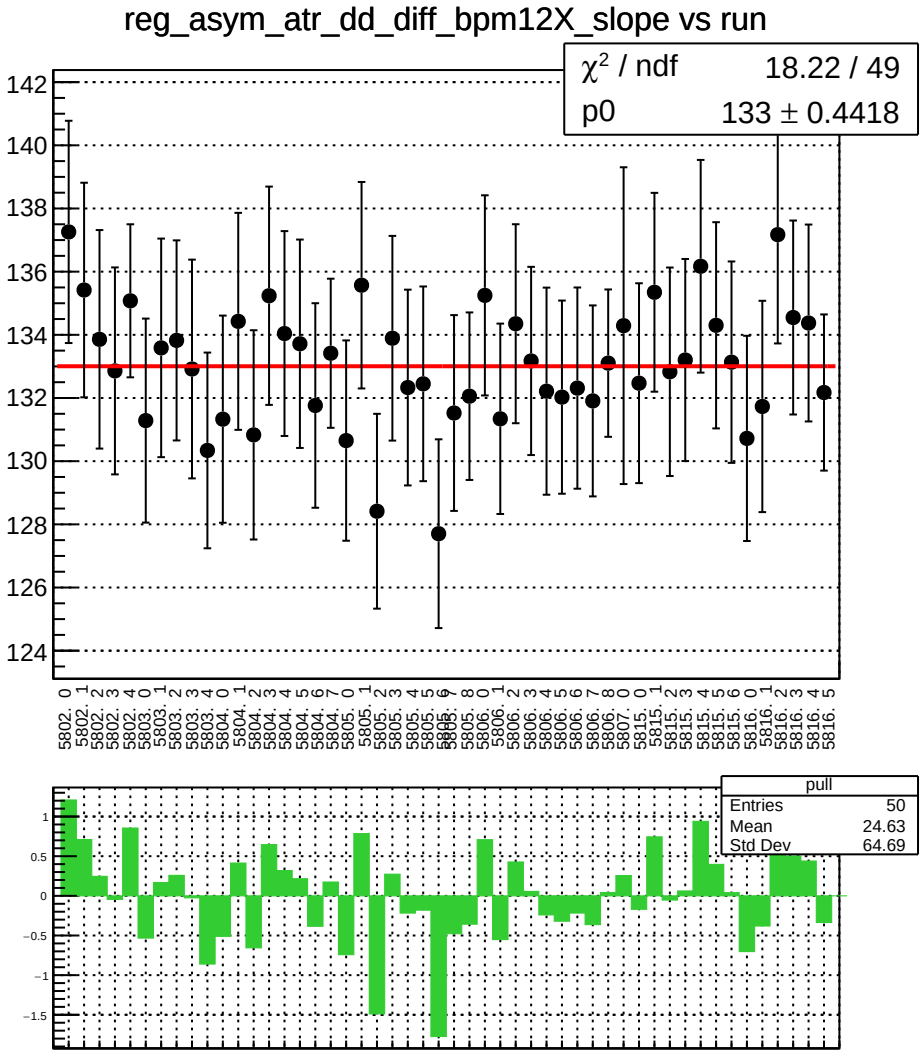

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.751 / 49
p0 −26.89 ± 6.666
50
0
−50
−100
−150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 −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

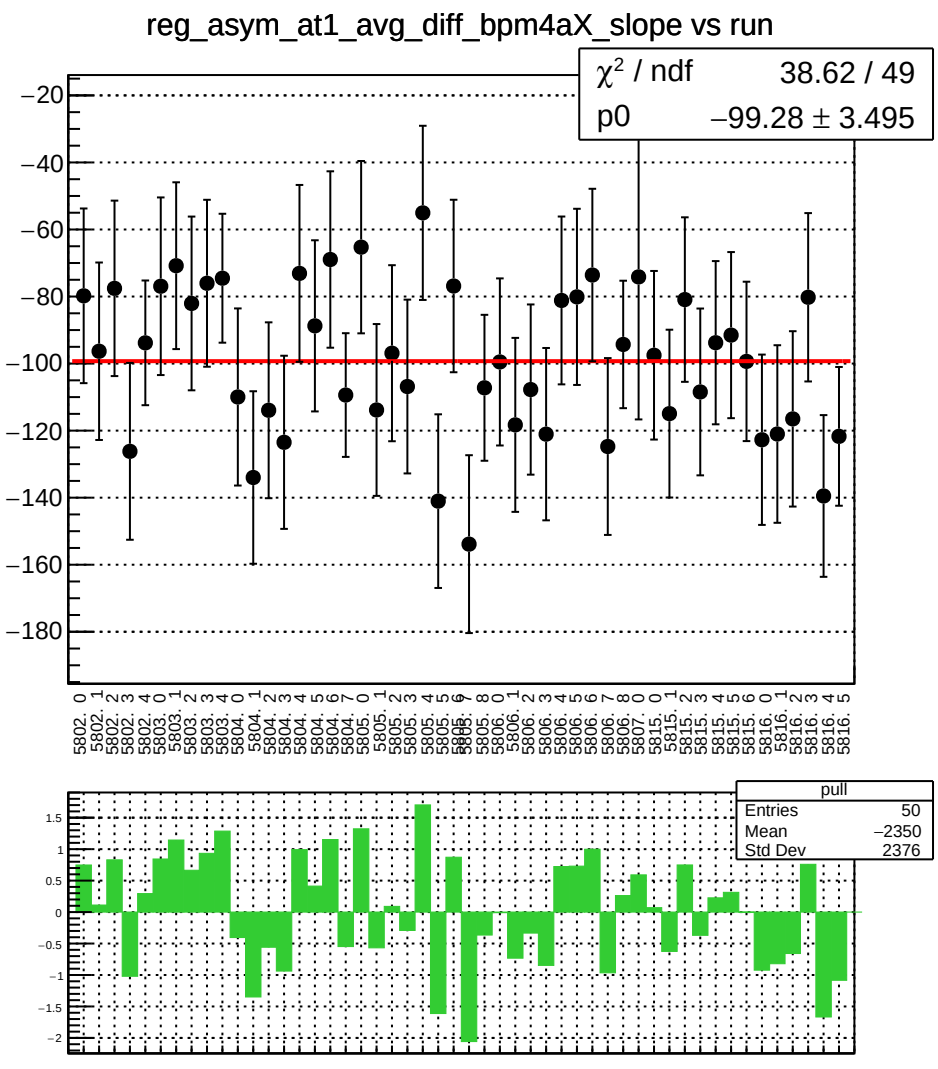

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.86 / 49
p0 −489.8 ± 9.49
pull
Entries 50
Mean −32.21
Std Dev 17.12

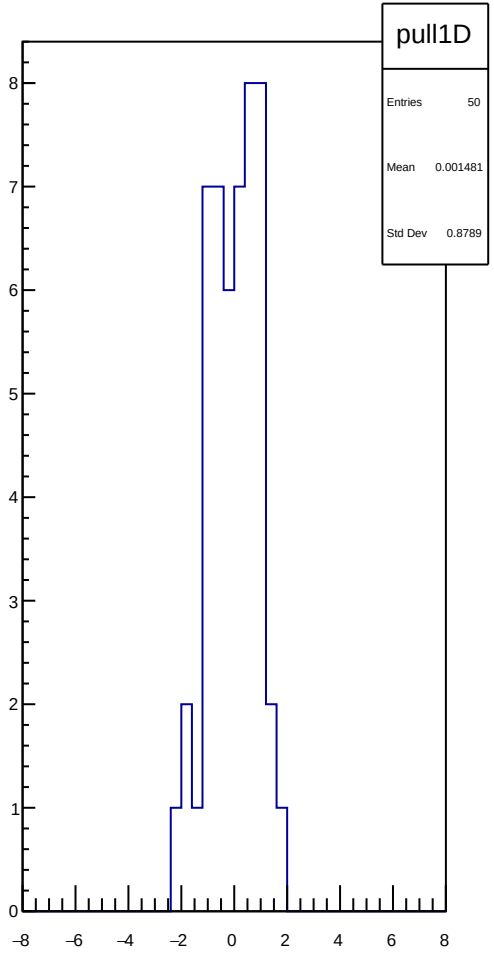

pull1D
Entries 50
Mean −0.01137
Std Dev 0.5071

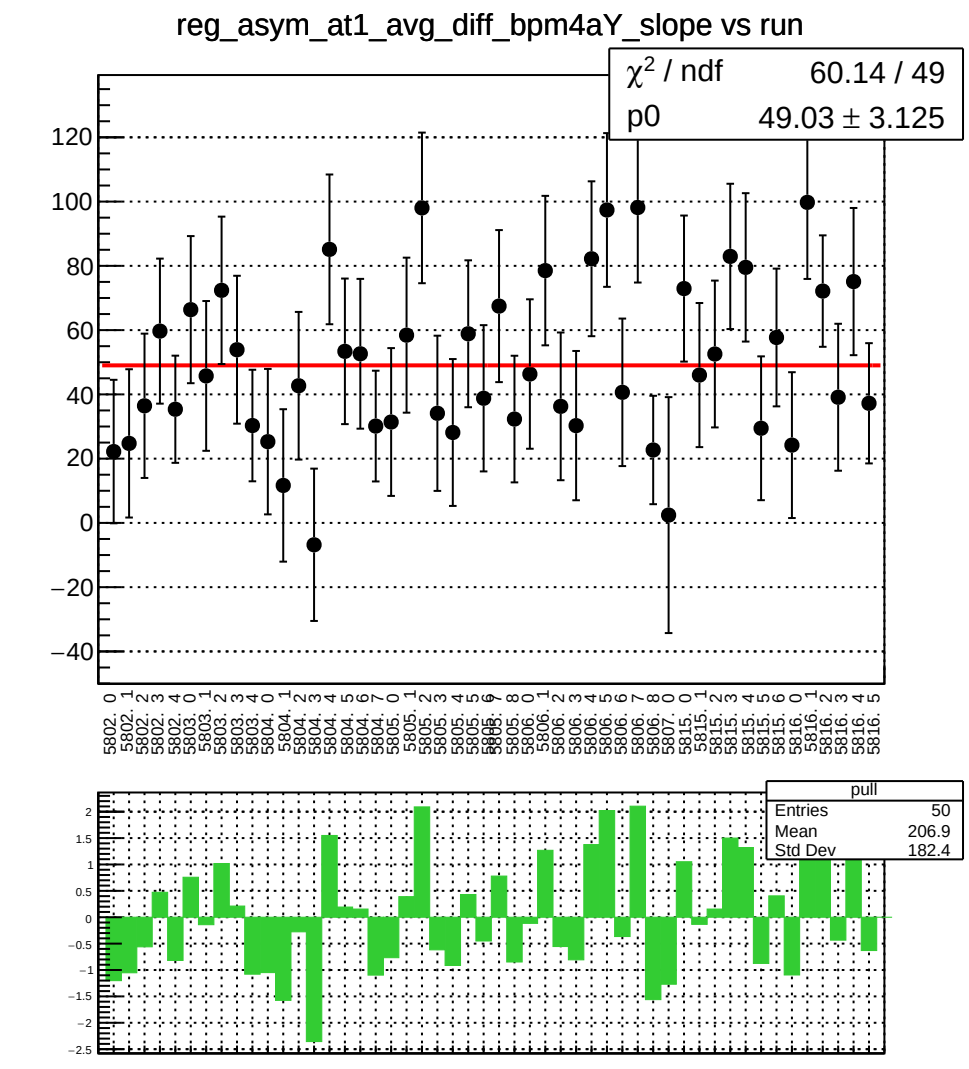

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.516 / 49
p0 −45.29 ± 7.288
pull
Entries 50
Mean −67.78
Std Dev 103.7

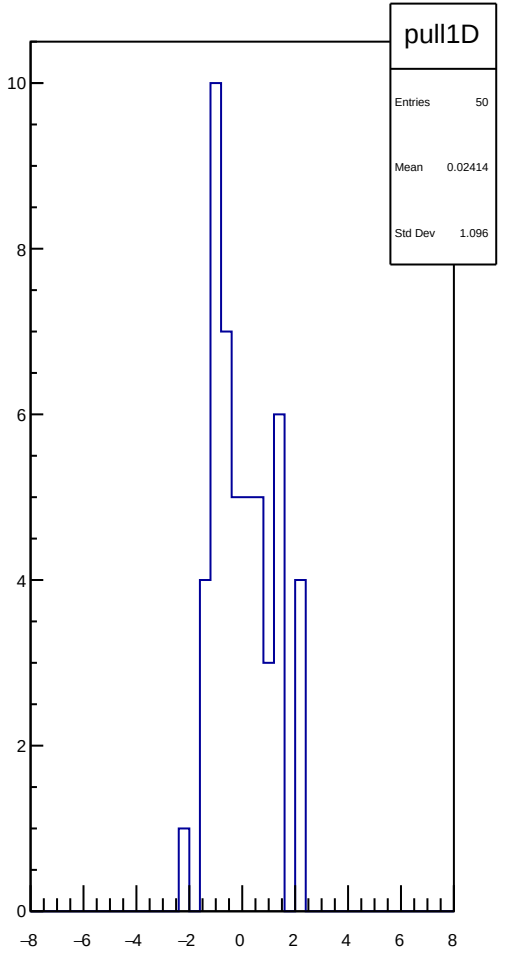

pull1D
Entries 50
Mean 0.01051
Std Dev 0.4361

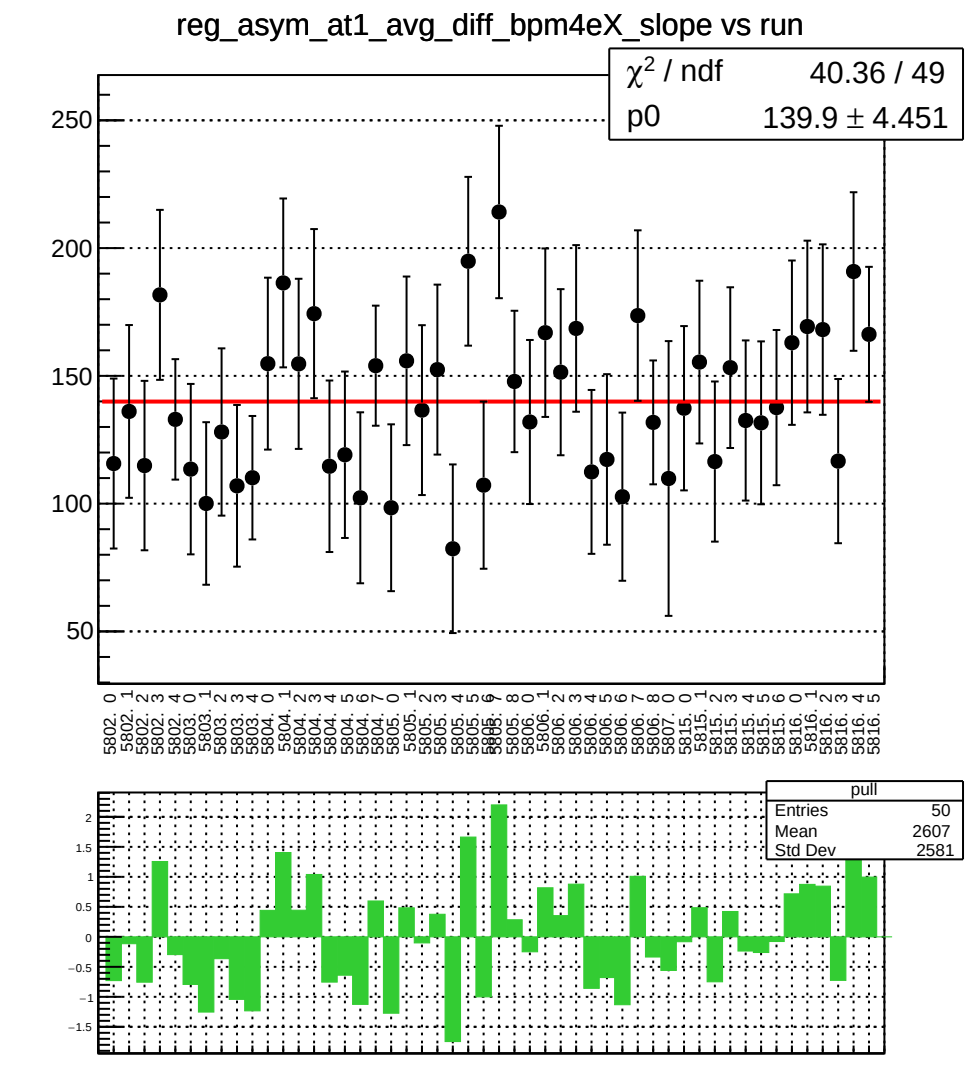

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 18.22 / 49
p0 133 ± 0.4418
142
140
138
136
134
132
130
128
126
124
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
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 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
−8
−6
−4
−2
0
2
4
6
8

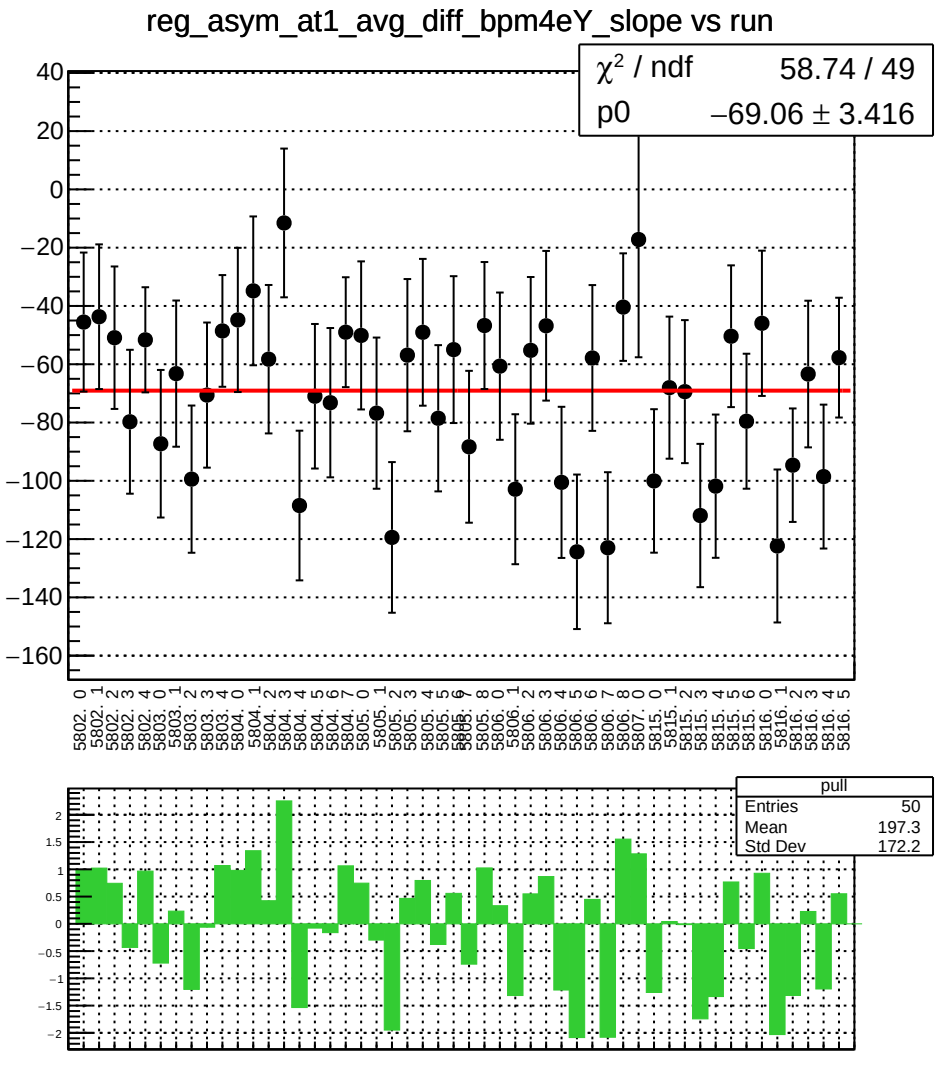

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 38.62 / 49
p0 −99.28 ± 3.495
pull
Entries 50
Mean −2350
Std Dev 2376

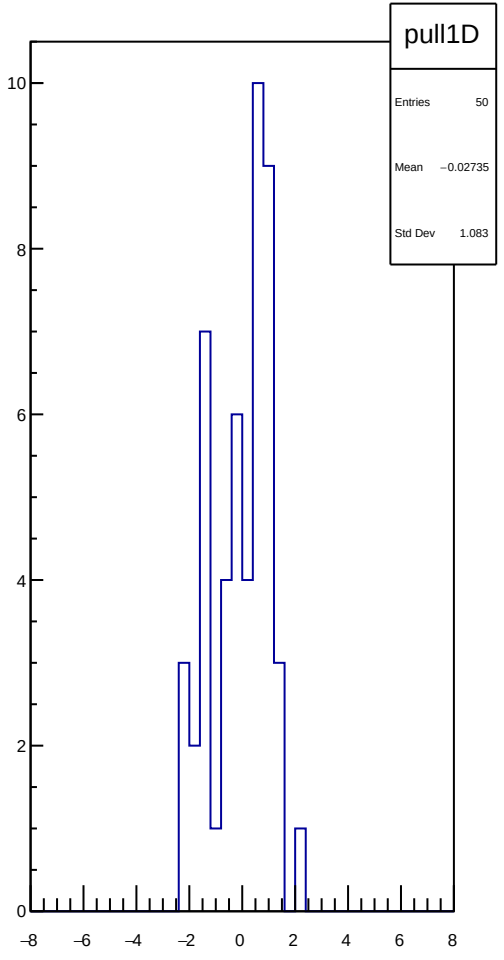

pull1D
Entries 50
Mean 0.001481
Std Dev 0.8789

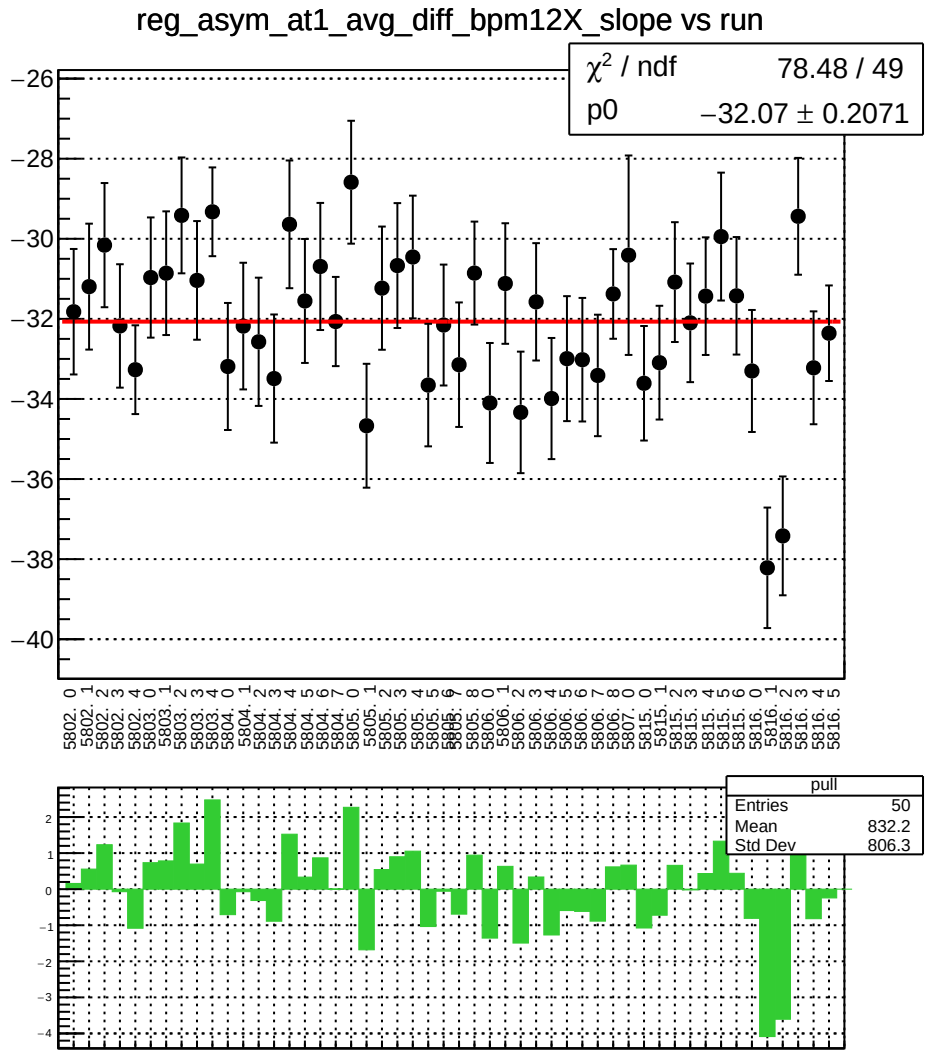

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.14 / 49
p0 49.03 ± 3.125
pull
Entries 50
Mean 206.9
Std Dev 182.4

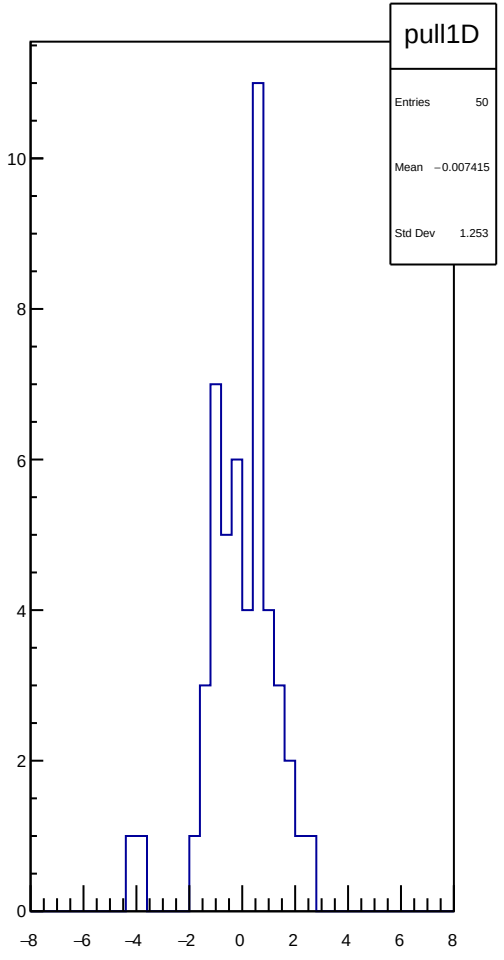

pull1D
Entries 50
Mean 0.02414
Std Dev 1.096

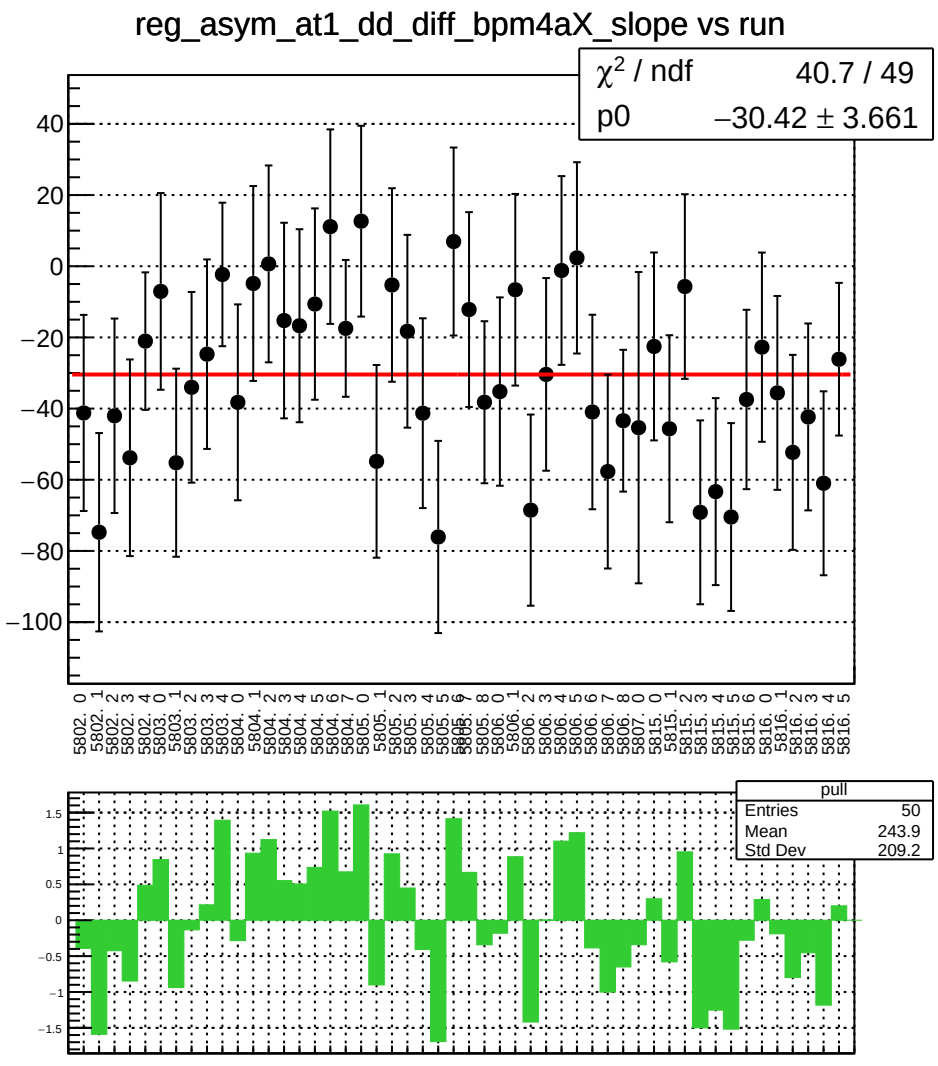

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 40.36 / 49
p0 139.9 ± 4.451
250
200
150
100
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 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 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
−2
0
2
4
6
8

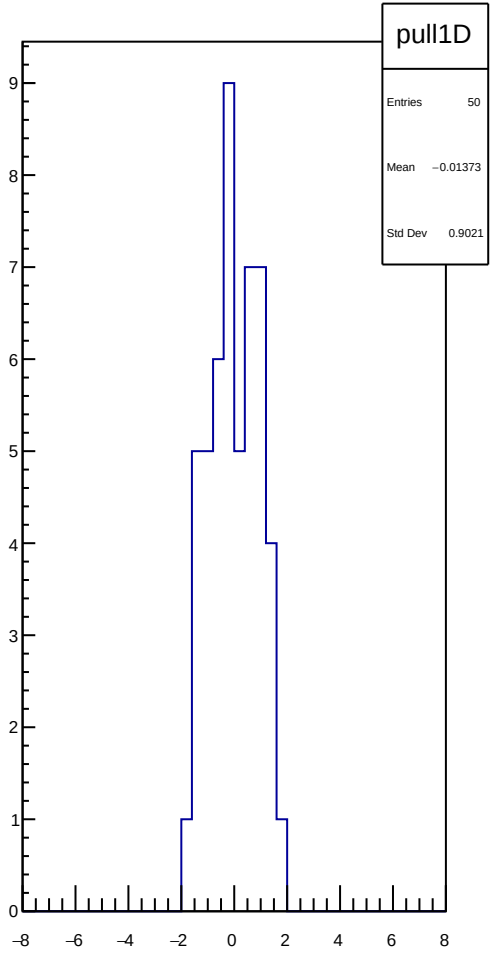

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.74 / 49
p0 −69.06 ± 3.416
pull
Entries 50
Mean 197.3
Std Dev 172.2

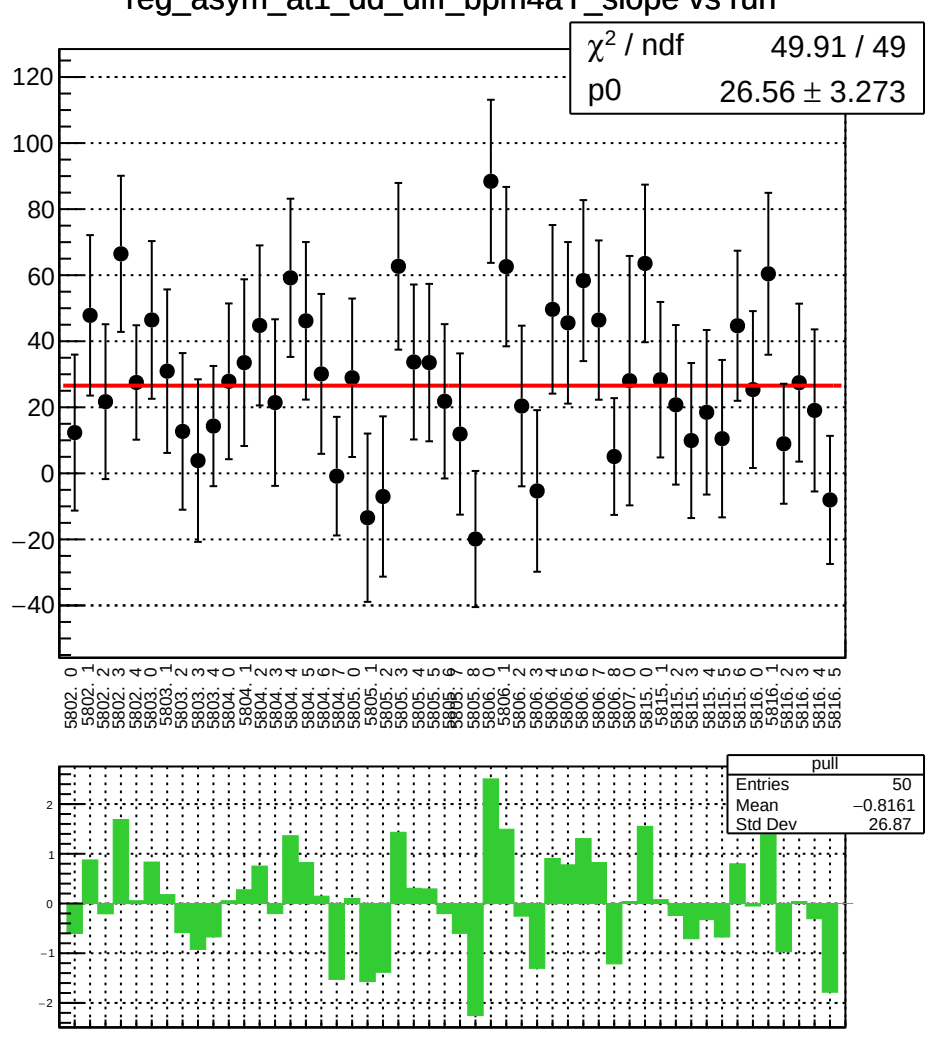

pull1D
Entries 50
Mean −0.02735
Std Dev 1.083

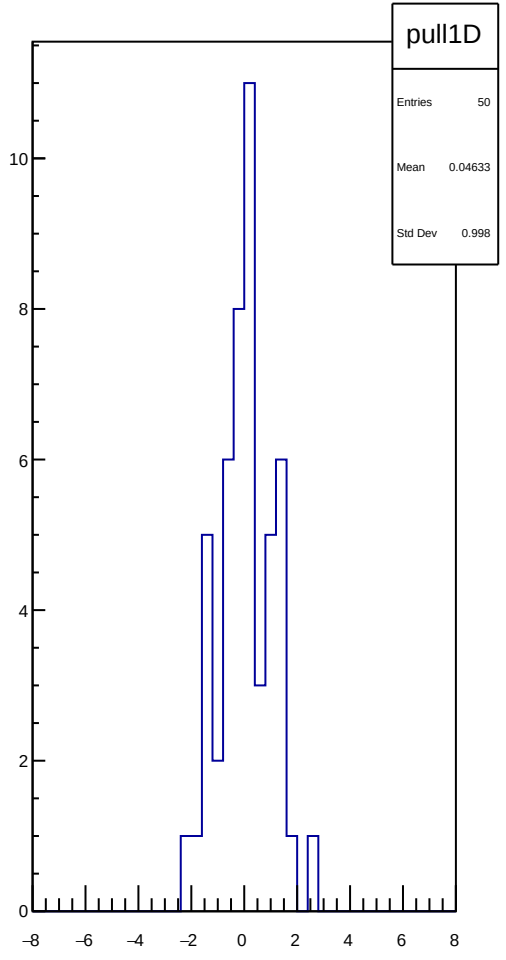

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 78.48 / 49
p0 −32.07 ± 0.2071
pull
Entries 50
Mean 832.2
Std Dev 806.3

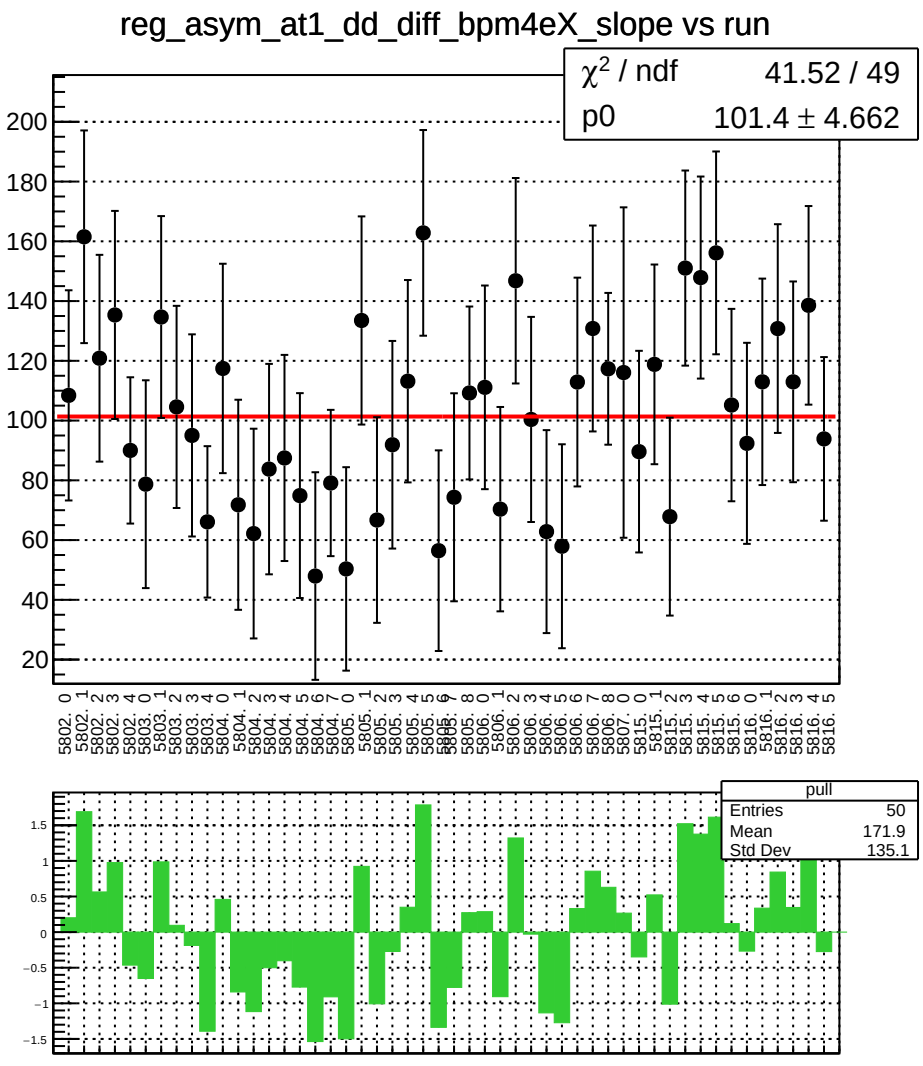

pull1D
Entries 50
Mean −0.007415
Std Dev 1.253

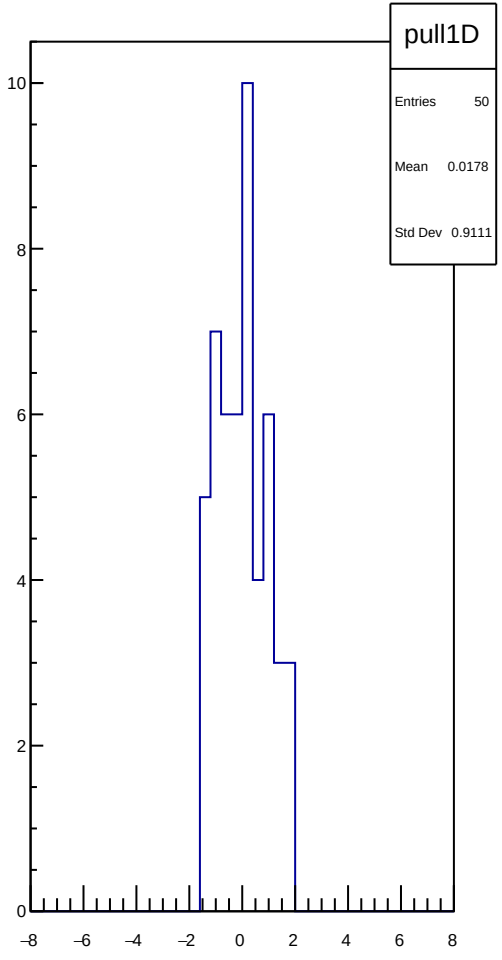

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.7 / 49
p0 −30.42 ± 3.661
pull
Entries 50
Mean 243.9
Std Dev 209.2

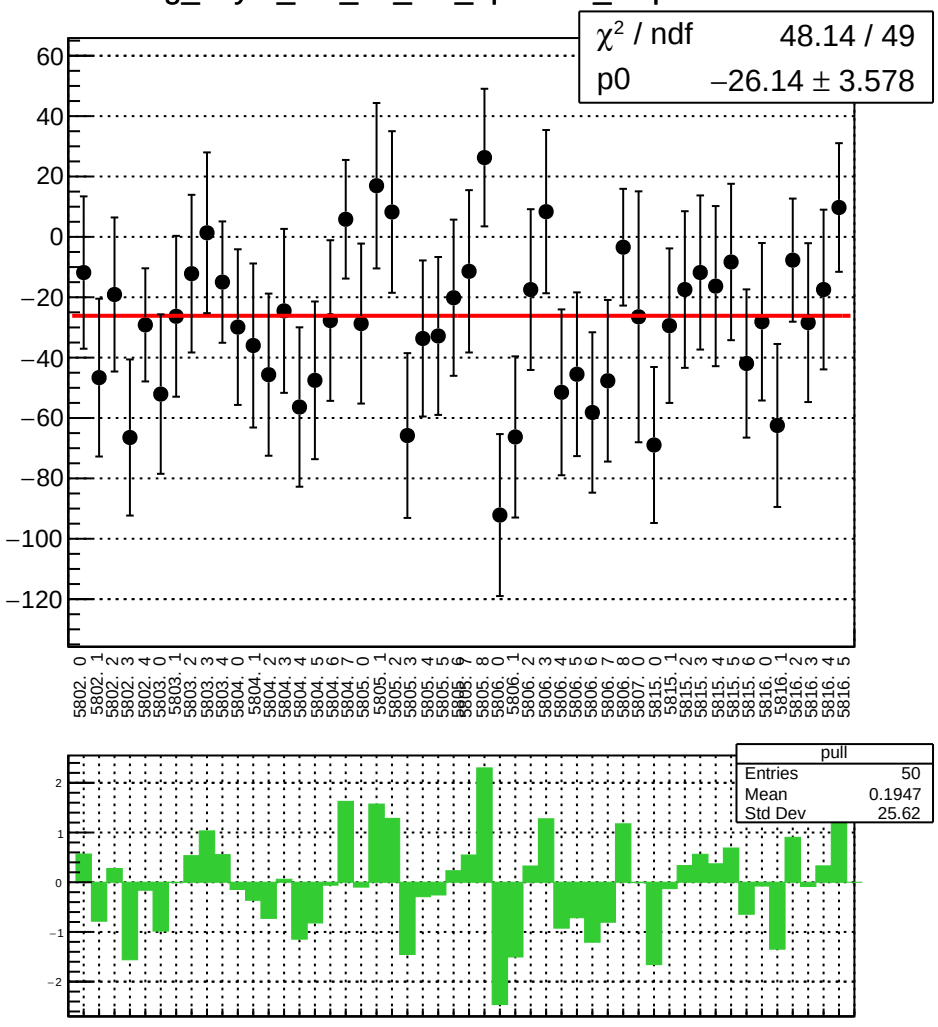

pull1D
Entries 50
Mean −0.01373
Std Dev 0.9021

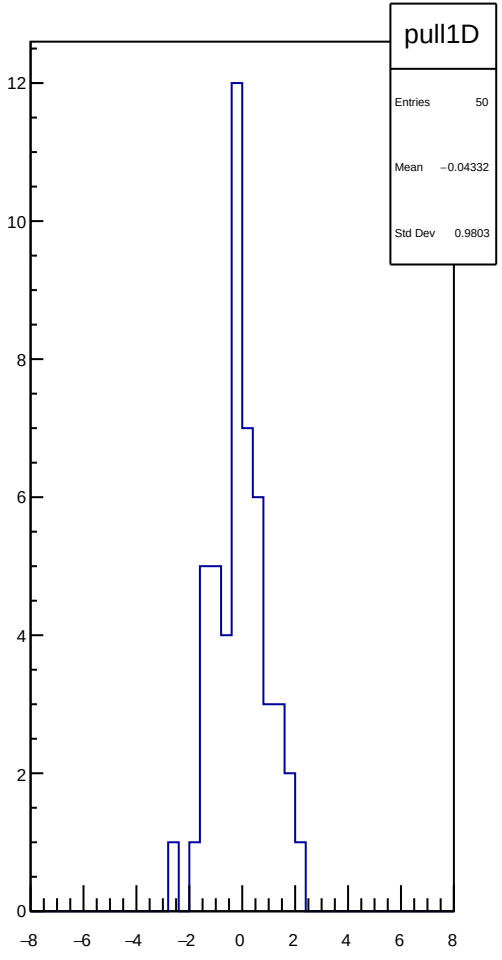

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.91 / 49
p0 26.56 ± 3.273
pull
Entries 50
Mean −0.8161
Std Dev 26.87

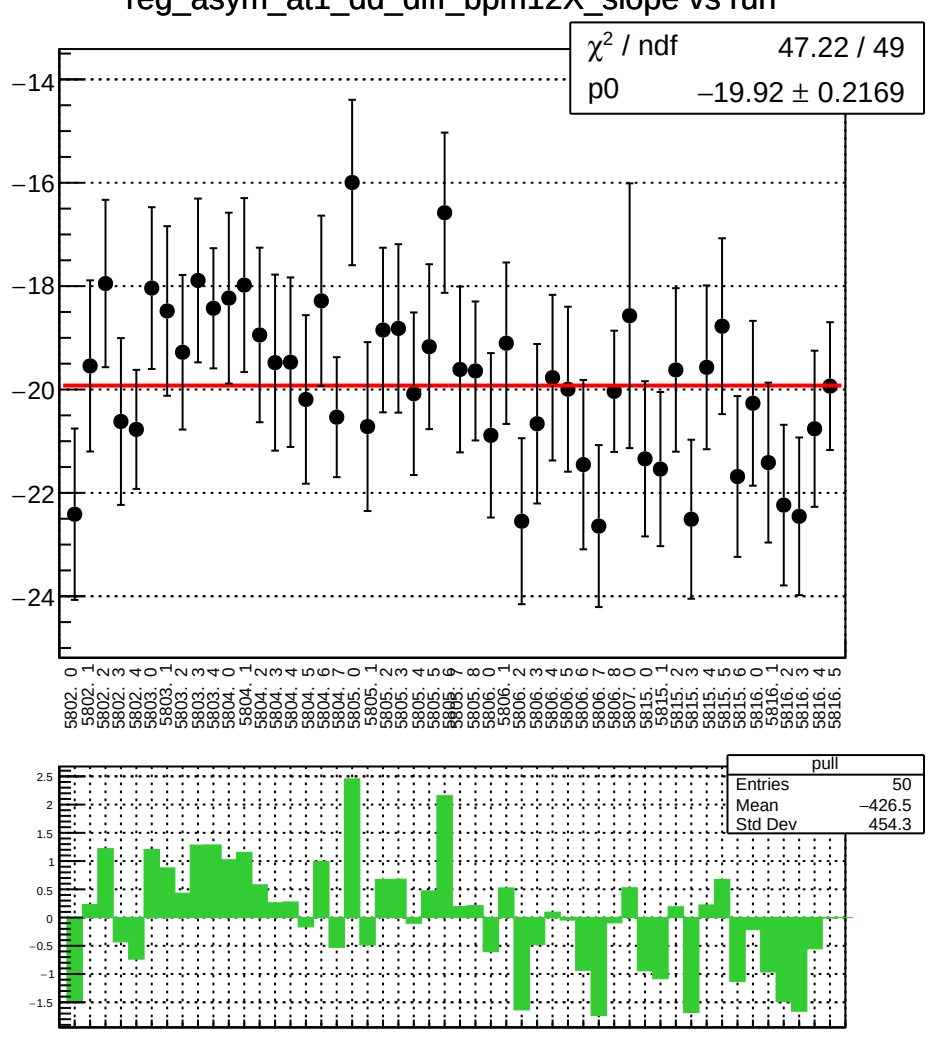

pull1D
Entries 50
Mean 0.04633
Std Dev 0.998

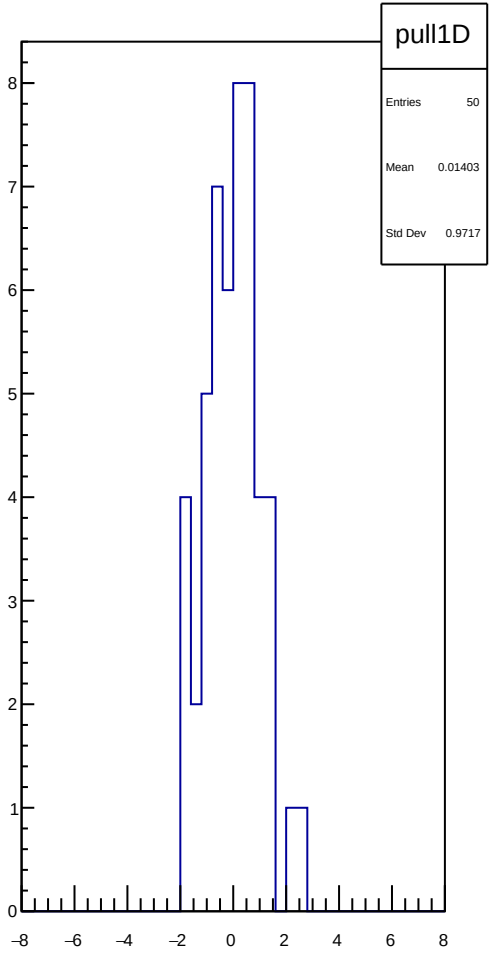

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.52 / 49
p0 101.4 ± 4.662
pull
Entries 50
Mean 171.9
Std Dev 135.1

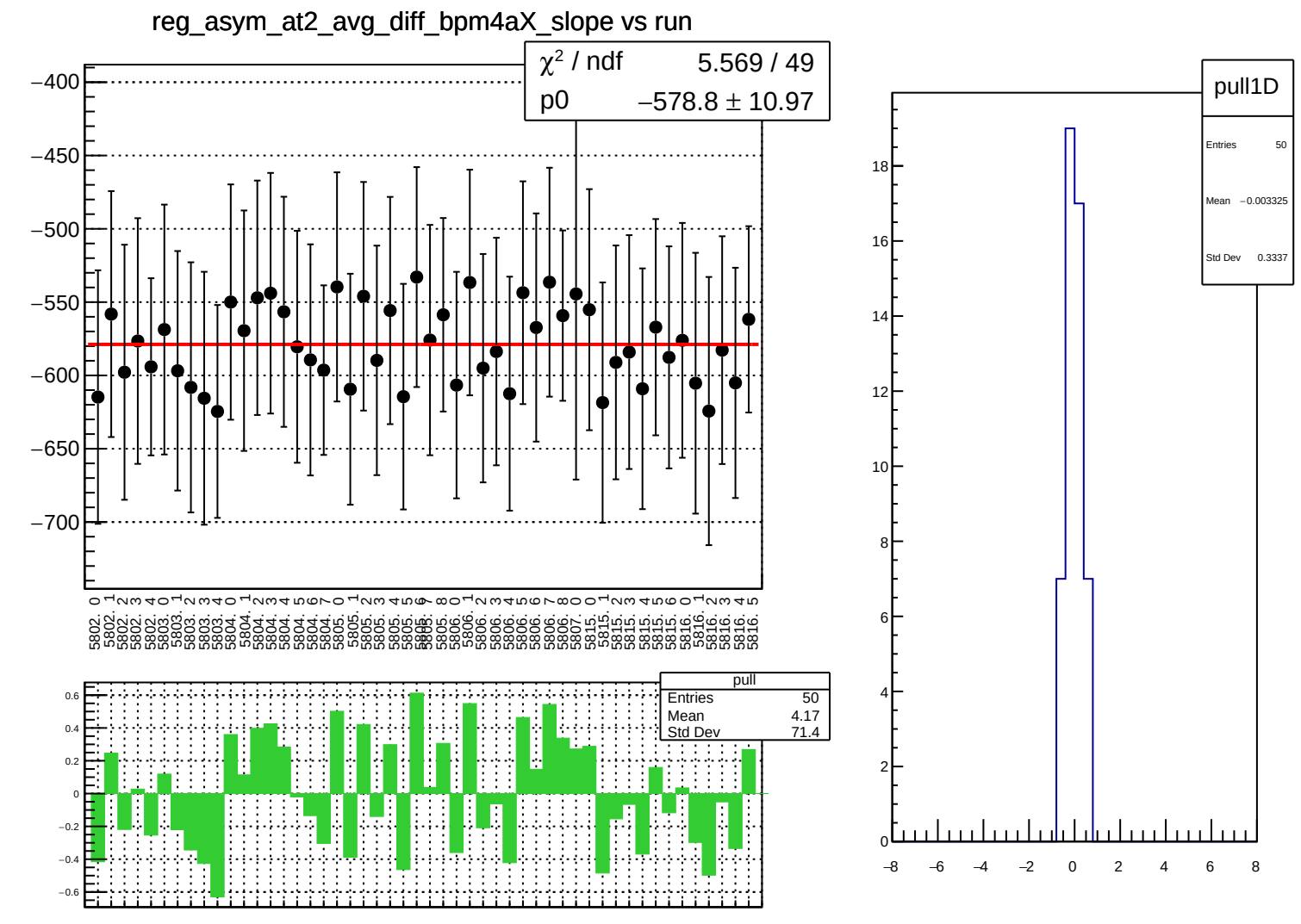

pull1D
Entries 50
Mean 0.0178
Std Dev 0.9111

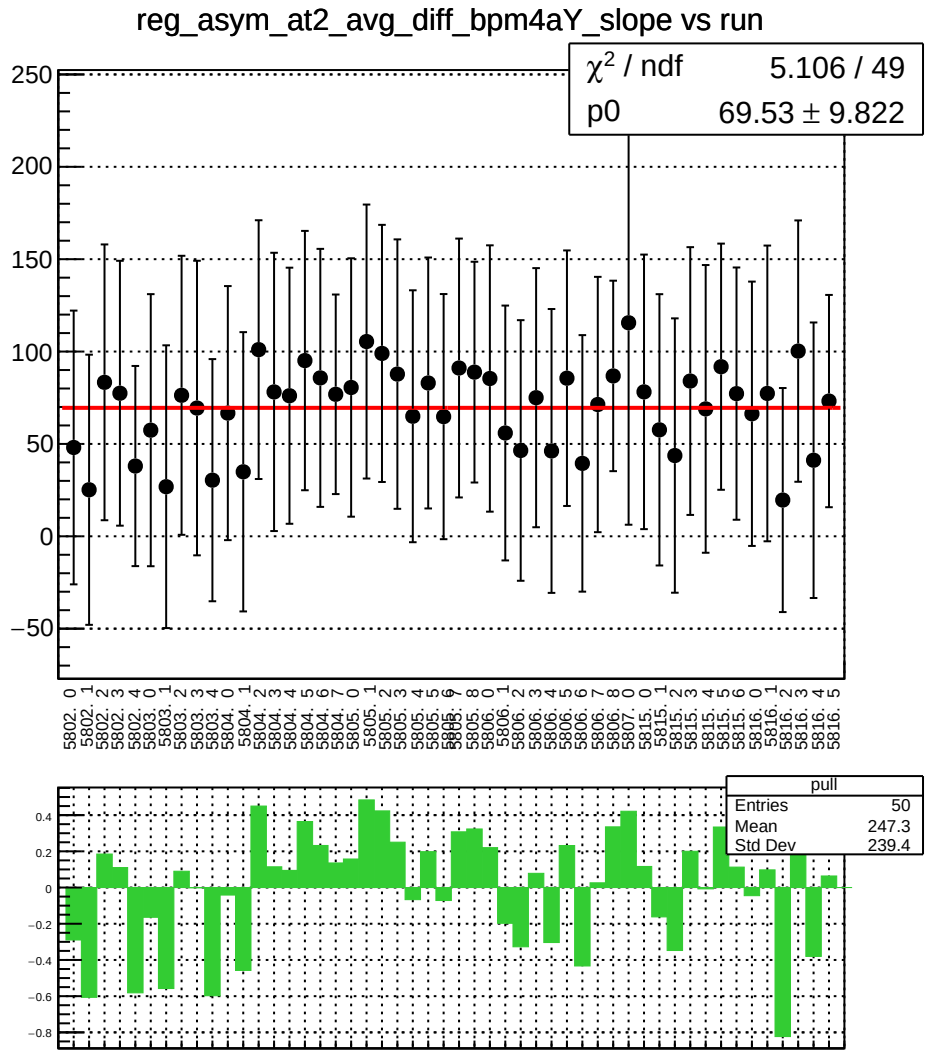

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.14 / 49
p0 −26.14 ± 3.578
pull
Entries 50
Mean 0.1947
Std Dev 25.62

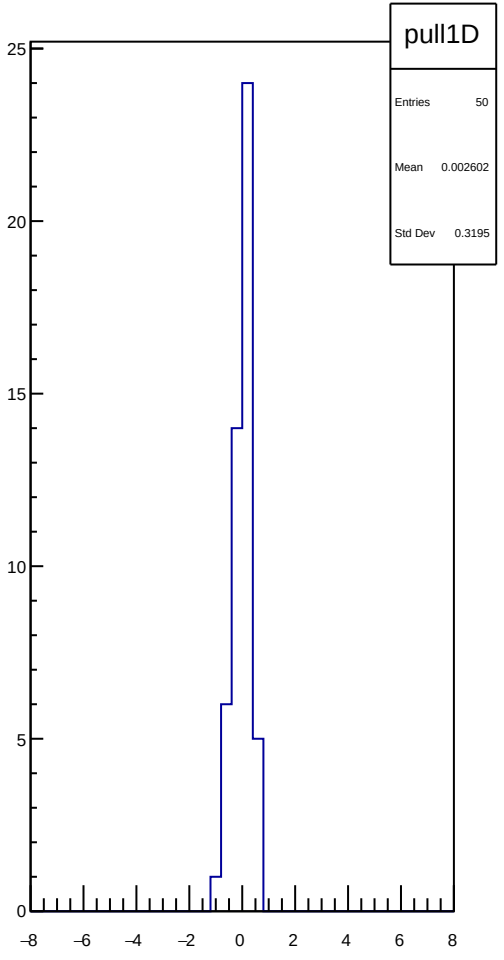

pull1D
Entries 50
Mean −0.04332
Std Dev 0.9803

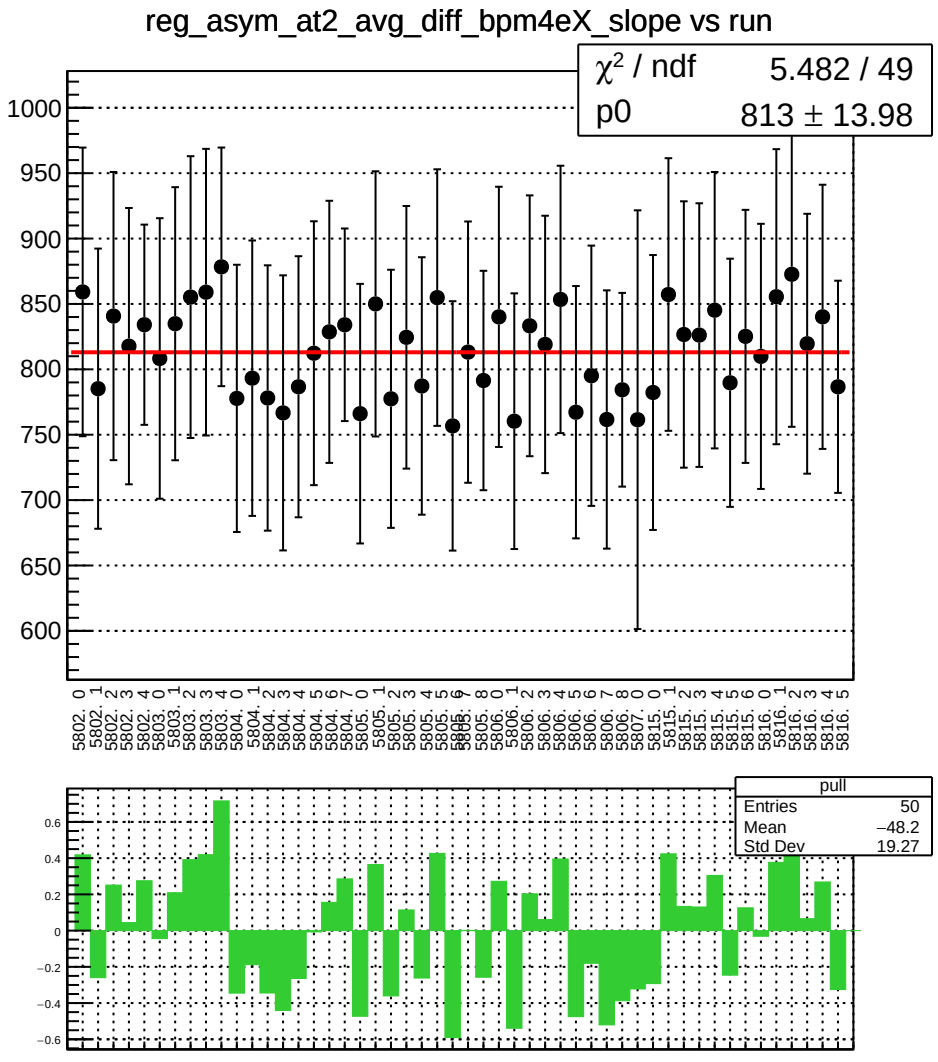

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 47.22 / 49
p0 −19.92 ± 0.2169
pull
Entries 50
Mean −426.5
Std Dev 454.3

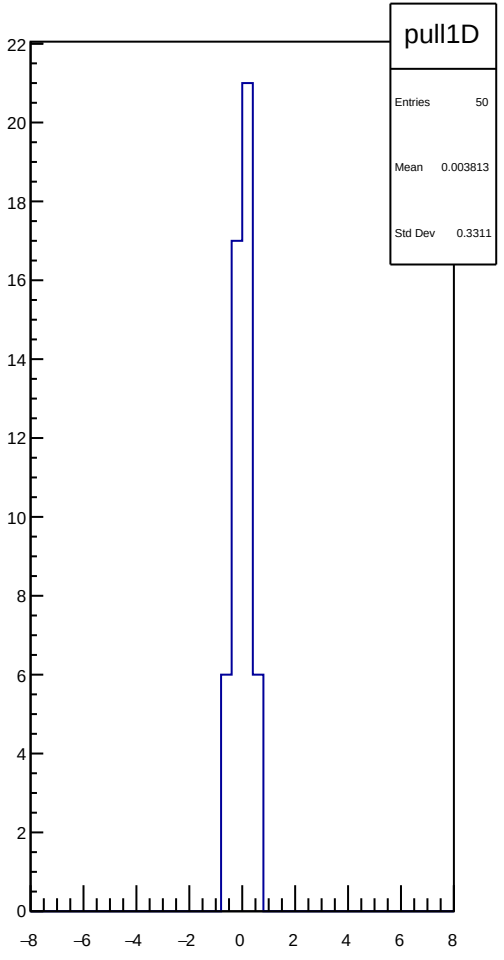

pull1D
Entries 50
Mean 0.01403
Std Dev 0.9717

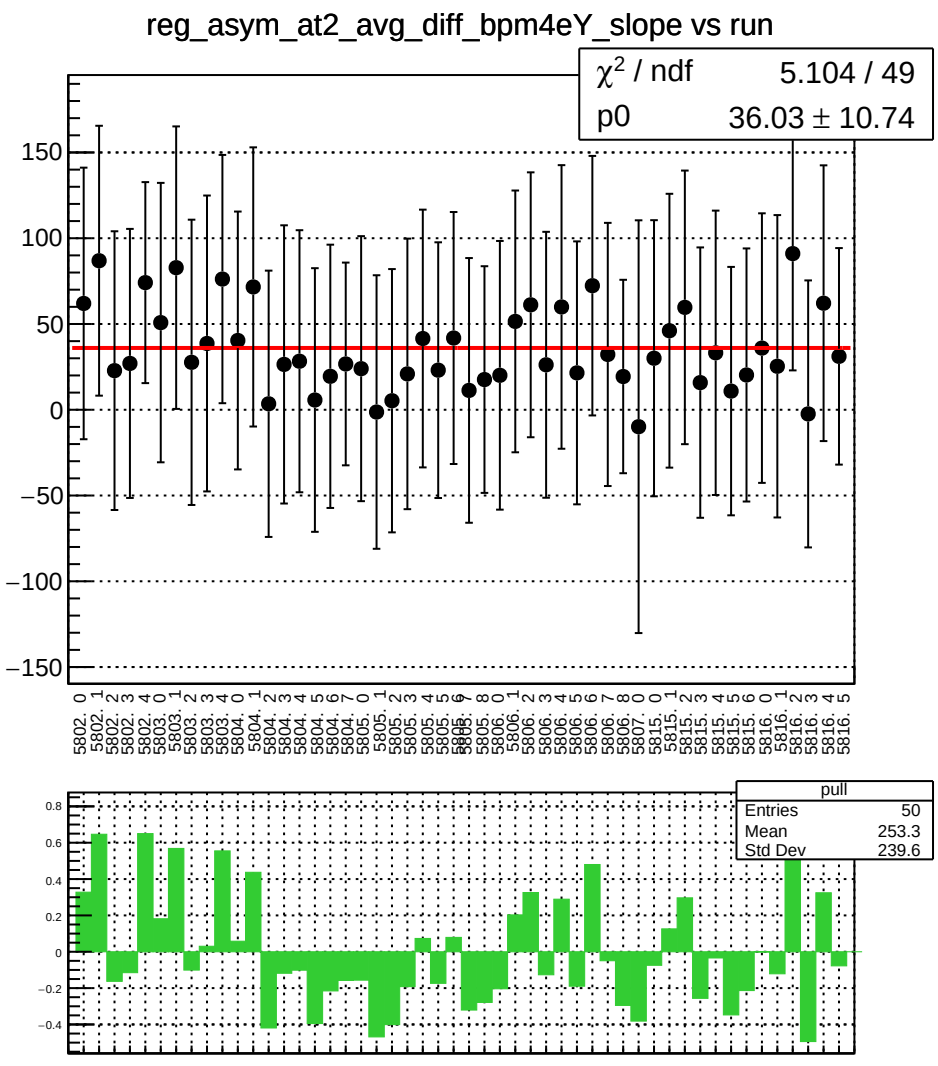

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.569 / 49
p0 −578.8 ± 10.97
−400
−450
−500
−550
−600
−650
−700
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 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 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

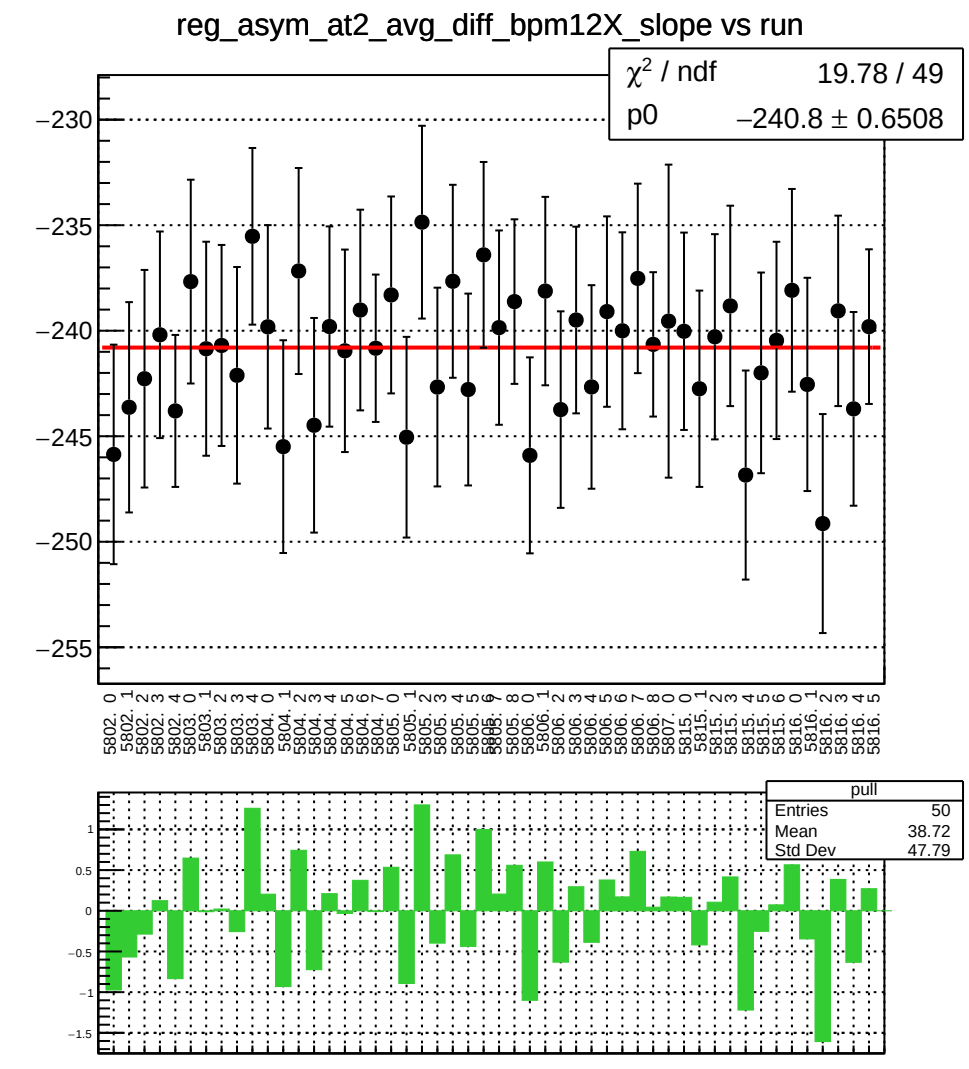

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.106 / 49
p0 69.53 ± 9.822
pull
Entries 50
Mean 247.3
Std Dev 239.4

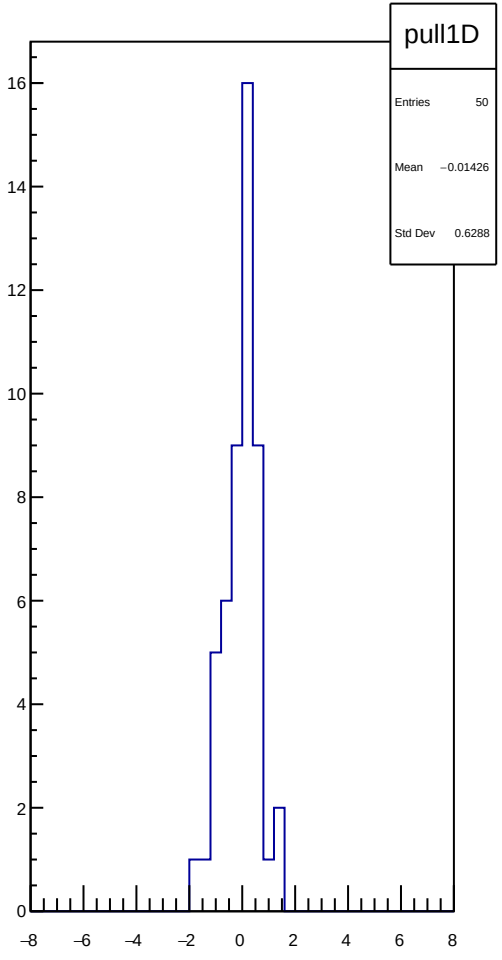

pull1D
Entries 50
Mean 0.002602
Std Dev 0.3195

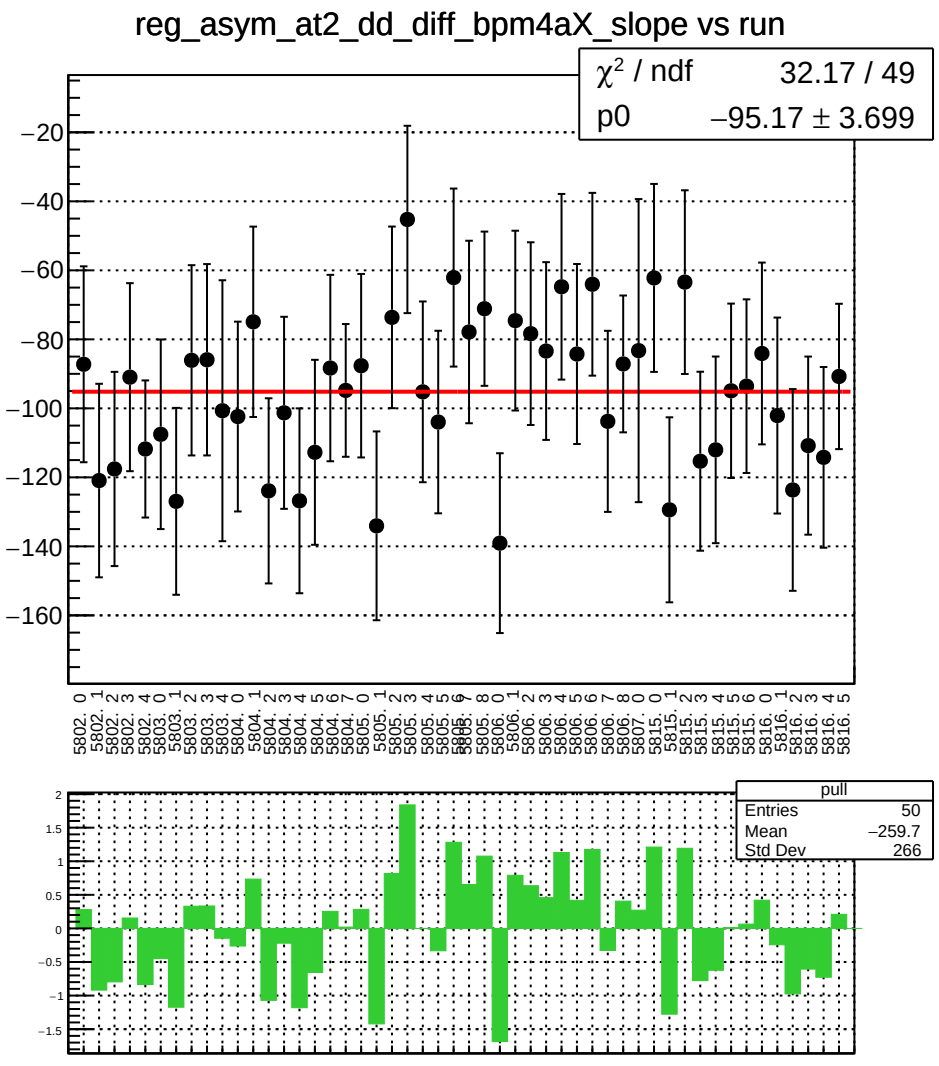

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.482 / 49
p0 813 ± 13.98
pull
Entries 50
Mean −48.2
Std Dev 19.27

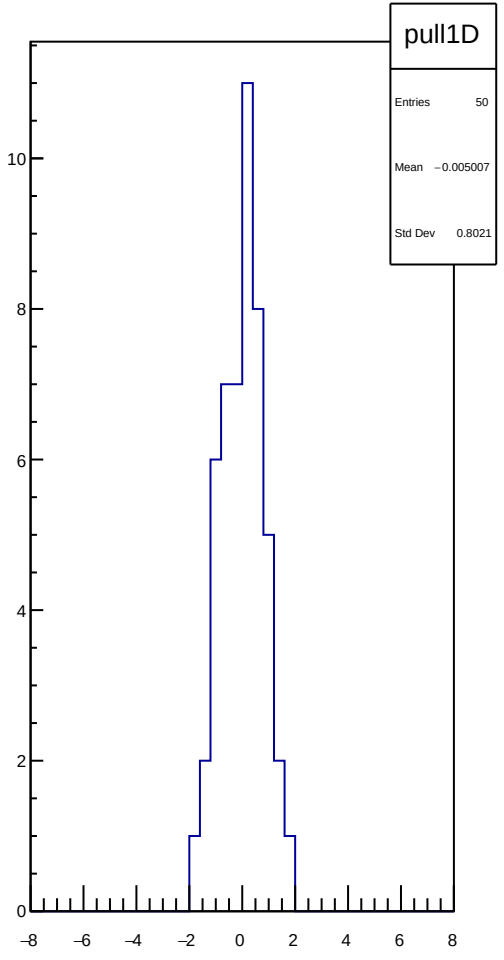

pull1D
Entries 50
Mean 0.003813
Std Dev 0.3311

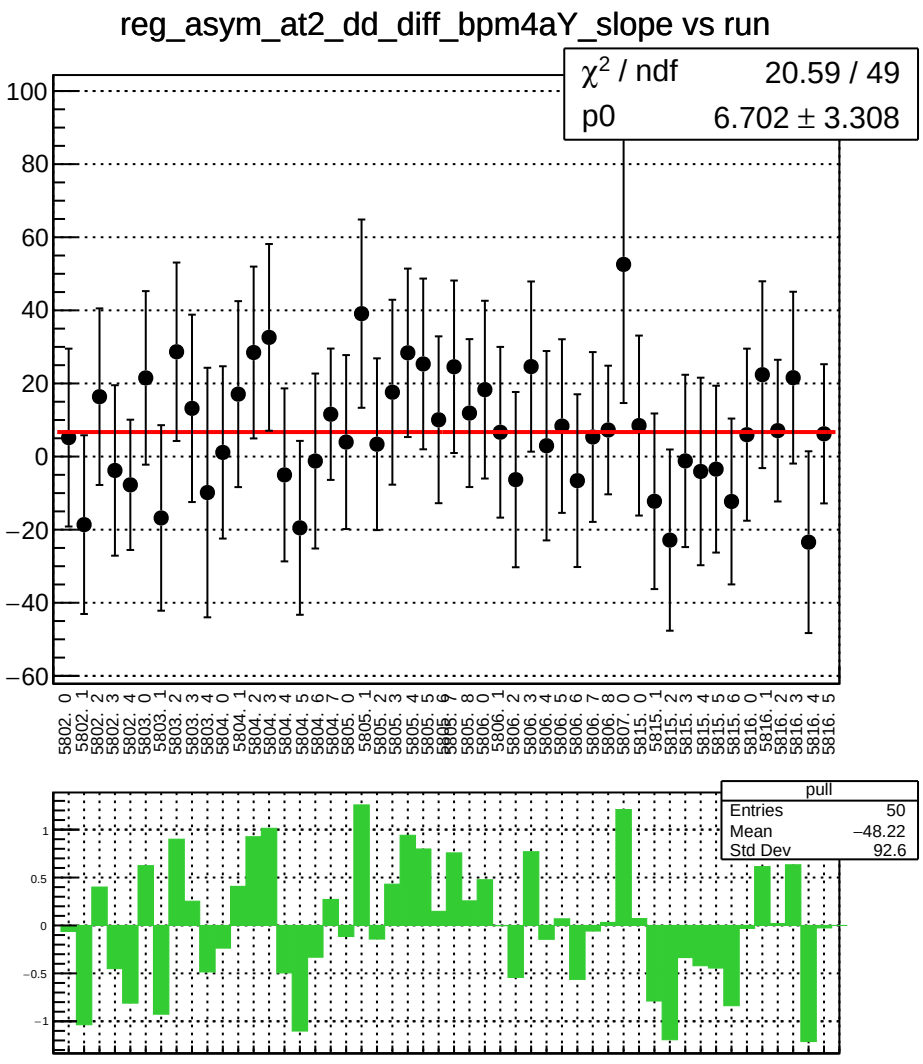

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.104 / 49
p0 36.03 ± 10.74
150
100
50
0
−50
−100
−150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 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 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

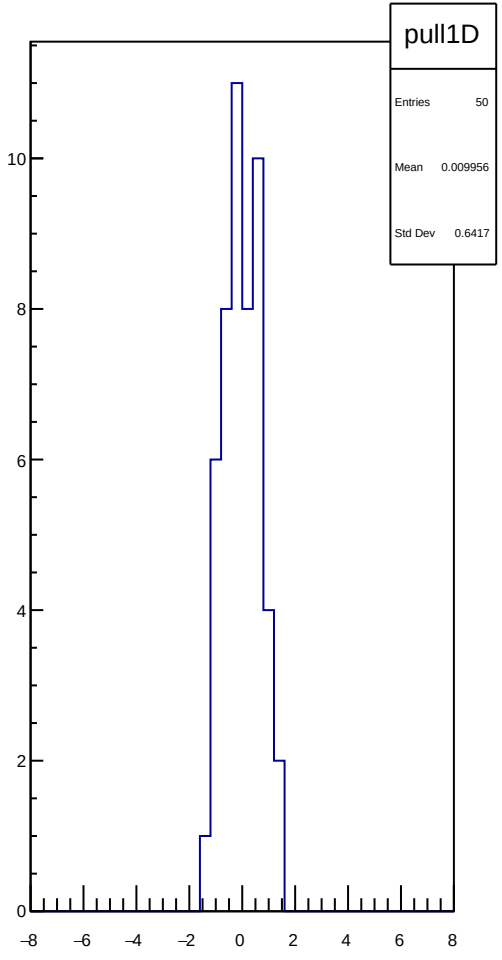

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 19.78 / 49
p0 −240.8 ± 0.6508
pull
Entries 50
Mean 38.72
Std Dev 47.79

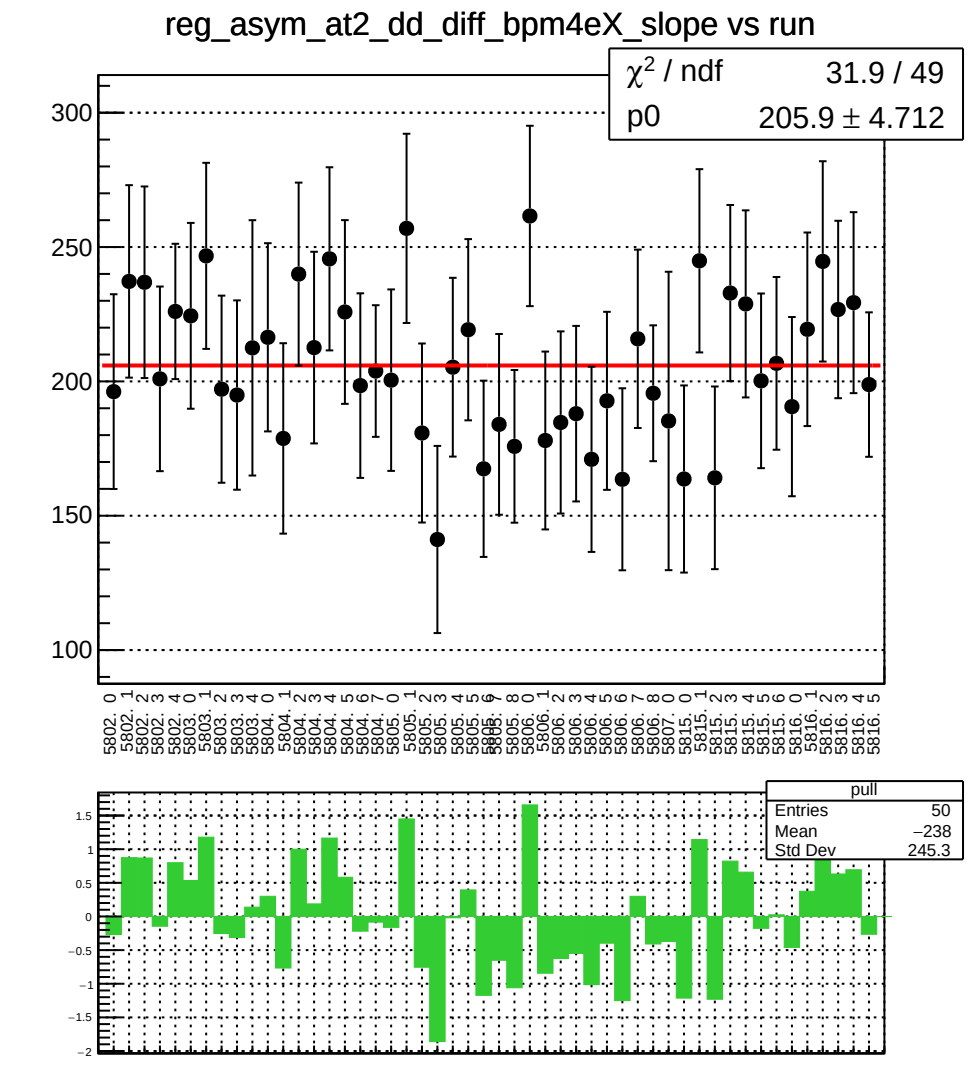

pull1D
Entries 50
Mean −0.01426
Std Dev 0.6288

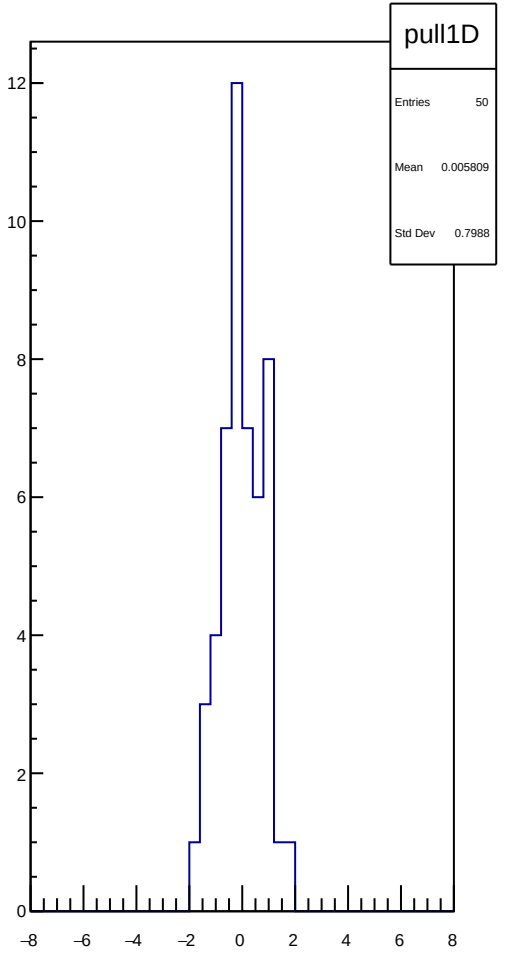

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.17 / 49
p0 −95.17 ± 3.699
pull
Entries 50
Mean −259.7
Std Dev 266

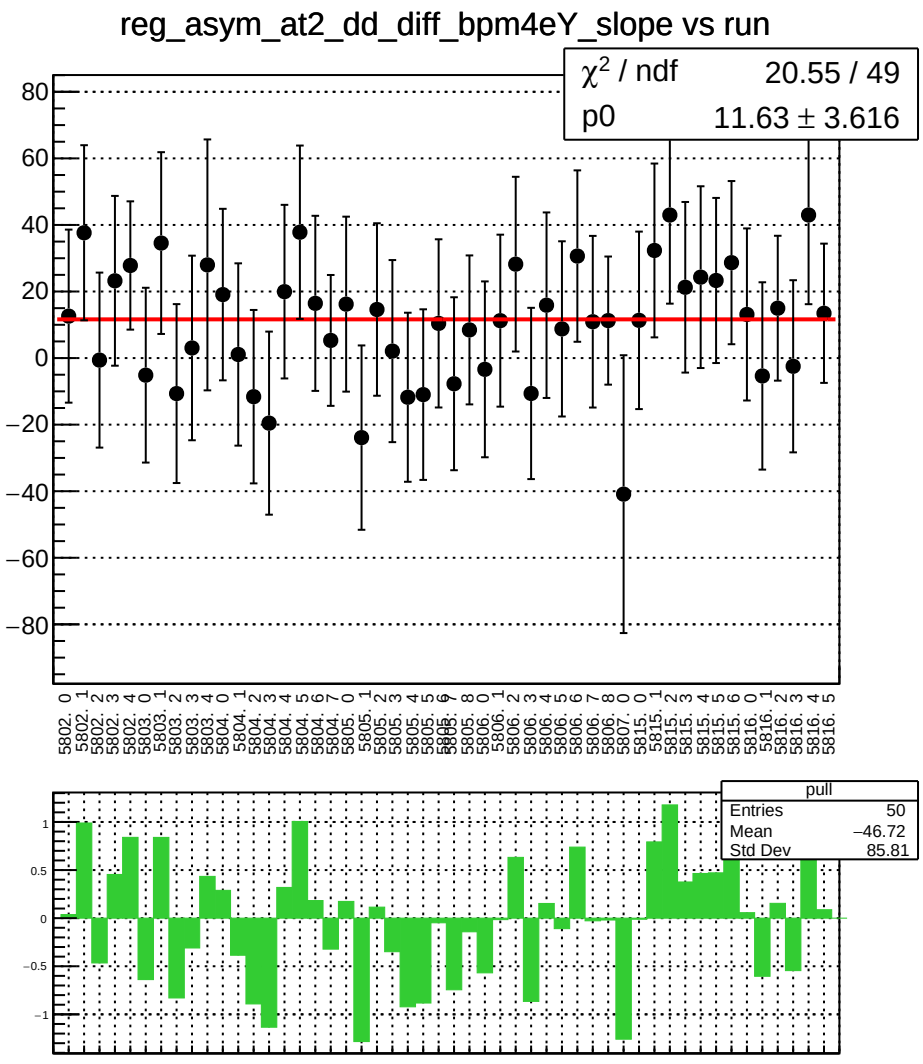

pull1D
Entries 50
Mean −0.005007
Std Dev 0.8021

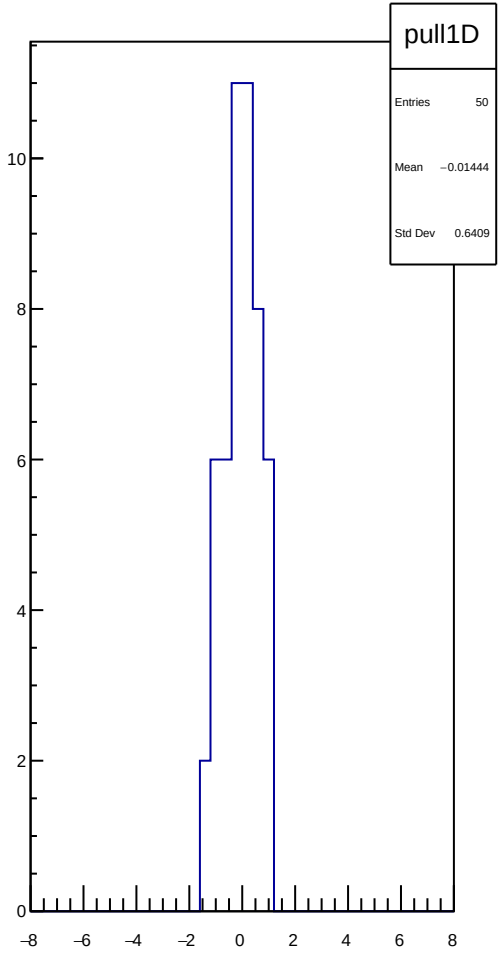

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.59 / 49
p0 6.702 ± 3.308
pull
Entries 50
Mean −48.22
Std Dev 92.6

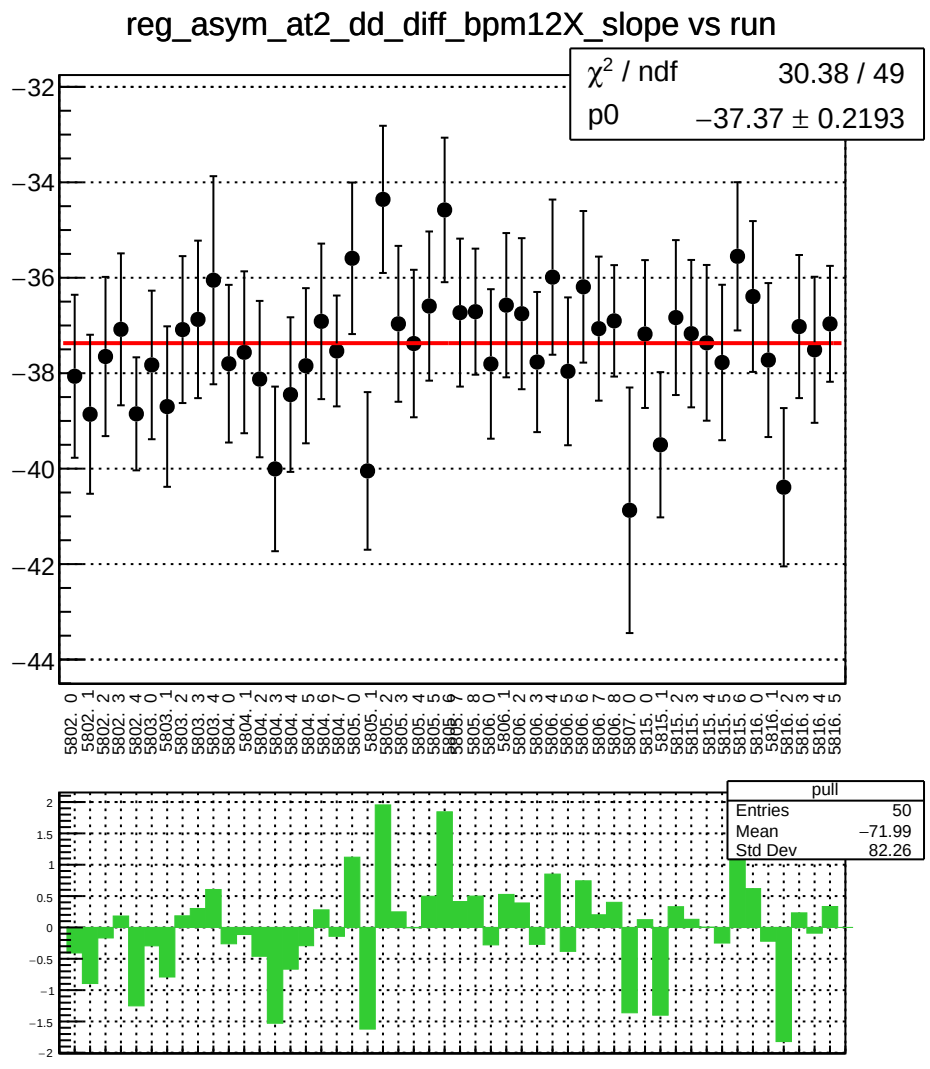

pull1D
Entries 50
Mean 0.009956
Std Dev 0.6417

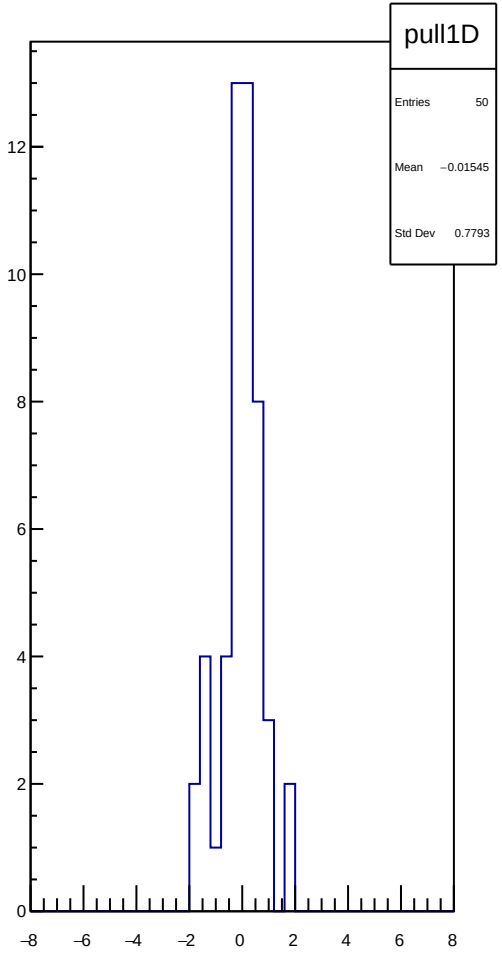

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.9 / 49
p0 205.9 ± 4.712
300
250
200
150
100
pull
Entries 50
Mean −238
Std Dev 245.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

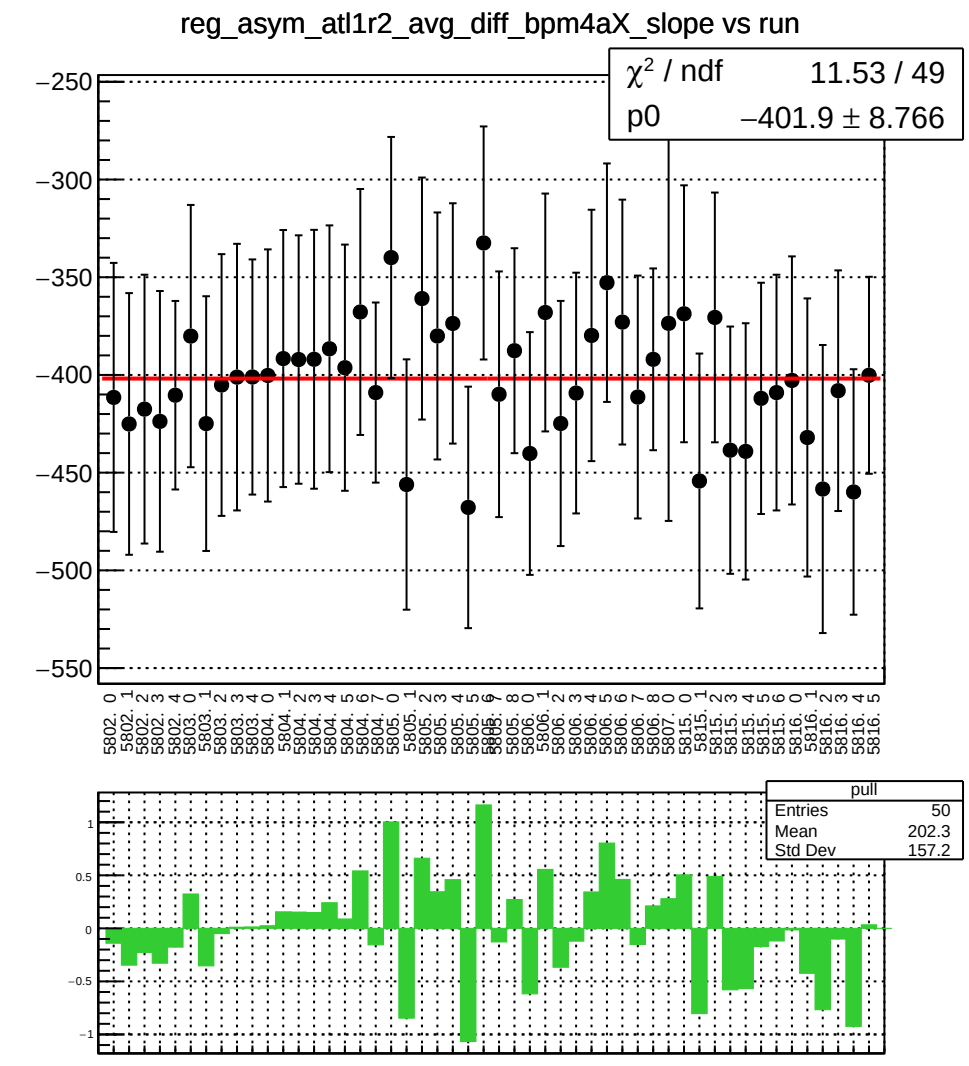

pull1D
Entries 50
Mean 0.005809
Std Dev 0.7988
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

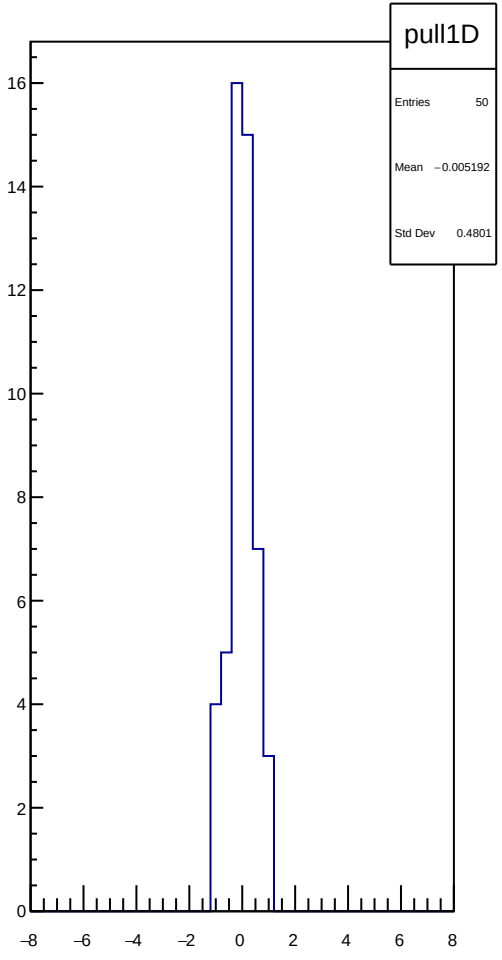

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.55 / 49
p0 11.63 ± 3.616
pull
Entries 50
Mean −46.72
Std Dev 85.81

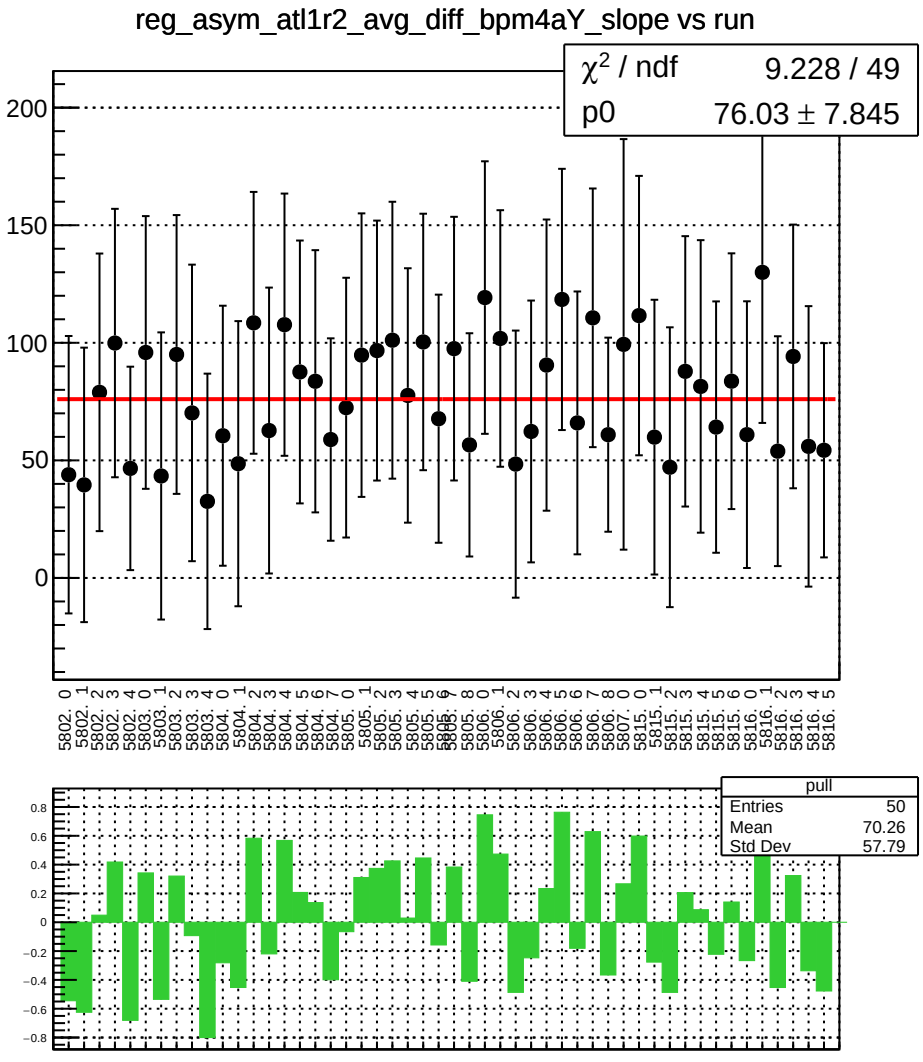

pull1D
Entries 50
Mean −0.01444
Std Dev 0.6409

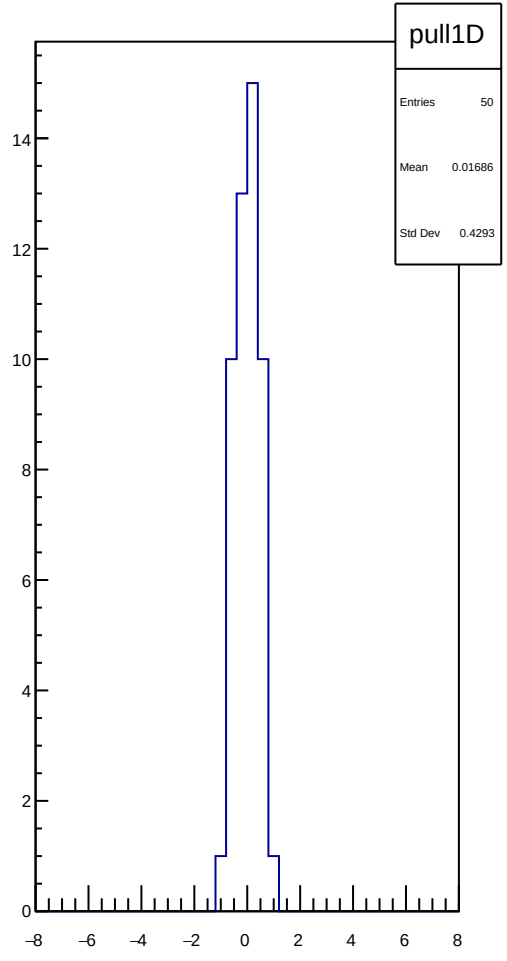

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 30.38 / 49
p0 −37.37 ± 0.2193
pull
Entries 50
Mean −71.99
Std Dev 82.26

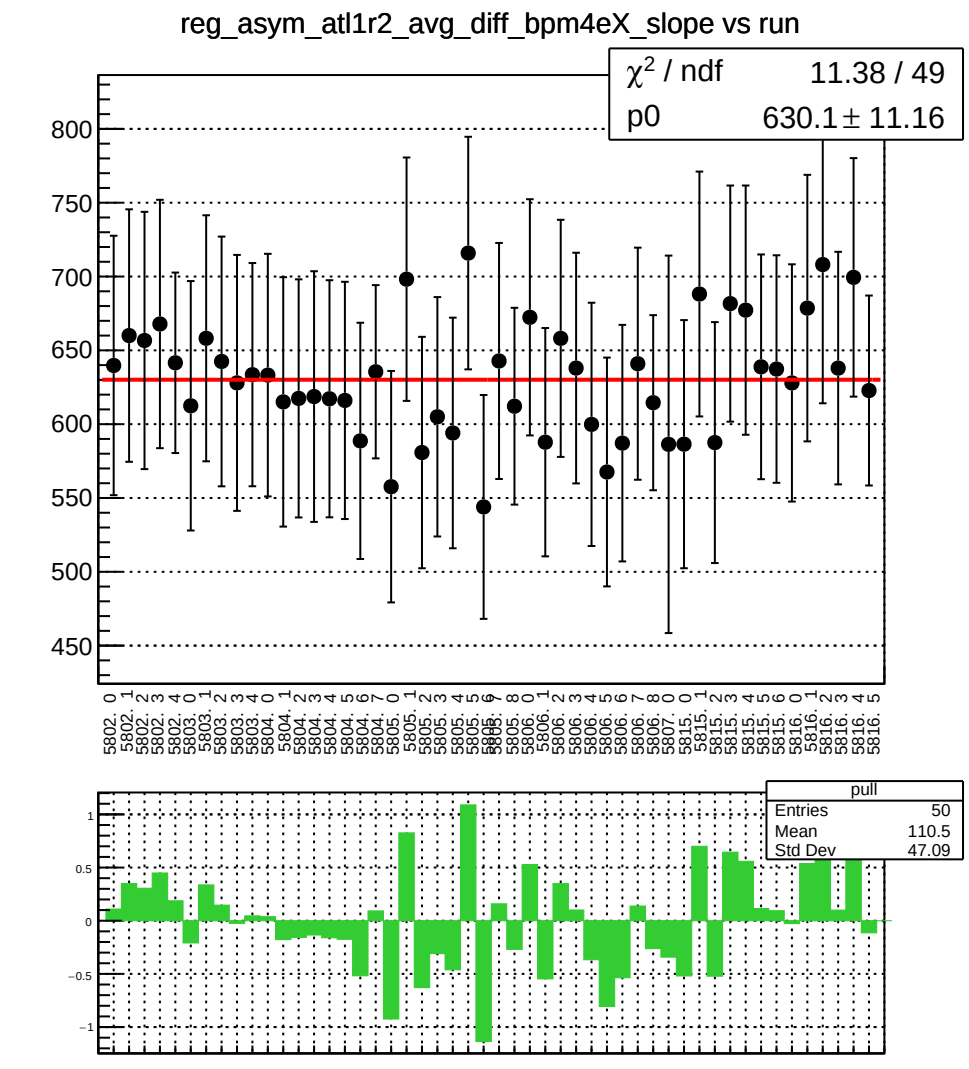

pull1D
Entries 50
Mean −0.01545
Std Dev 0.7793

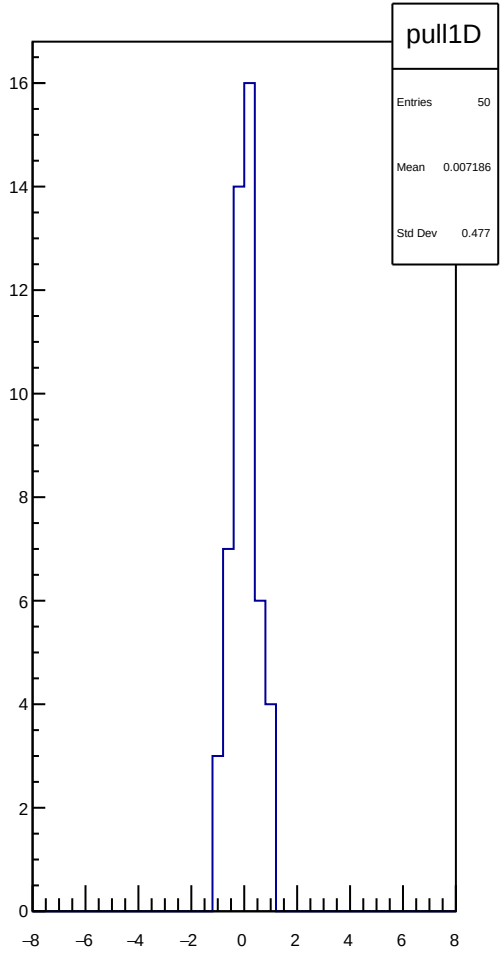

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 11.53 / 49
p0 −401.9 ± 8.766
pull
Entries 50
Mean 202.3
Std Dev 157.2

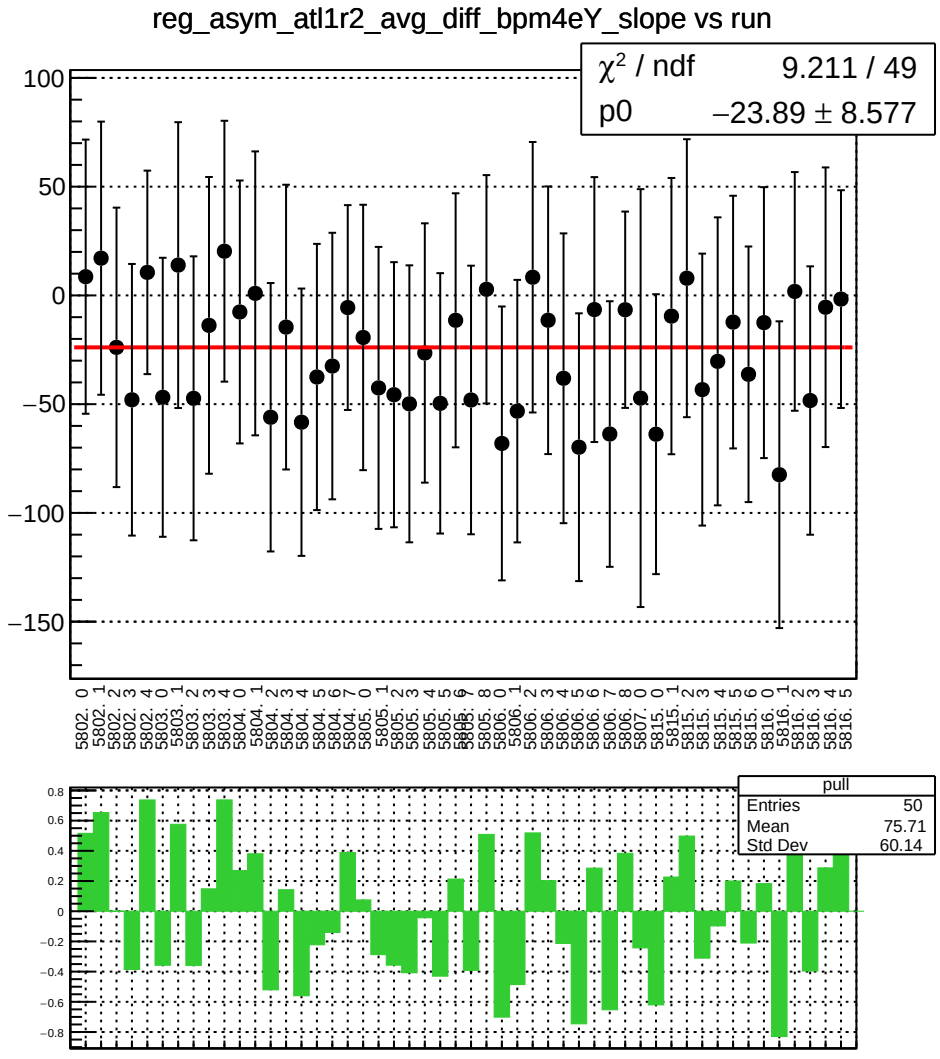

pull1D
Entries 50
Mean −0.005192
Std Dev 0.4801

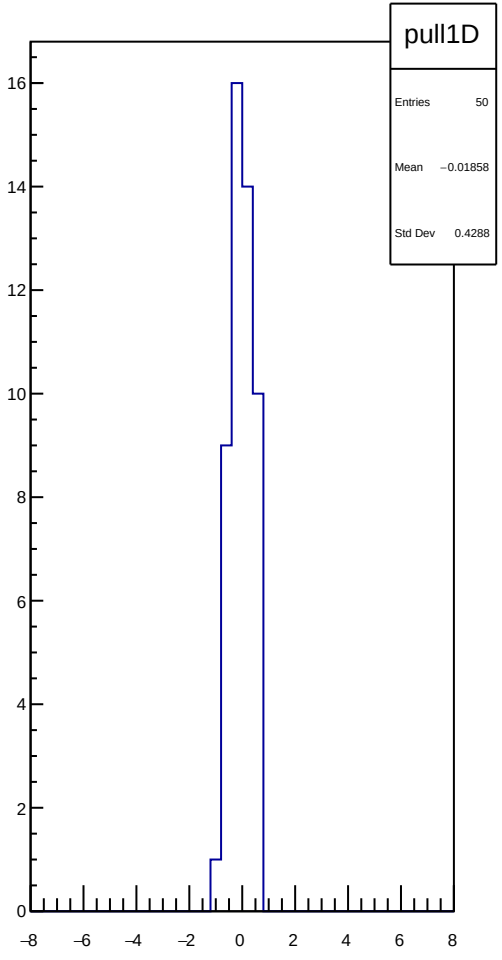

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.228 / 49
p0 76.03 ± 7.845
200
150
100
50
0
pull
Entries 50
Mean 70.26
Std Dev 57.79
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

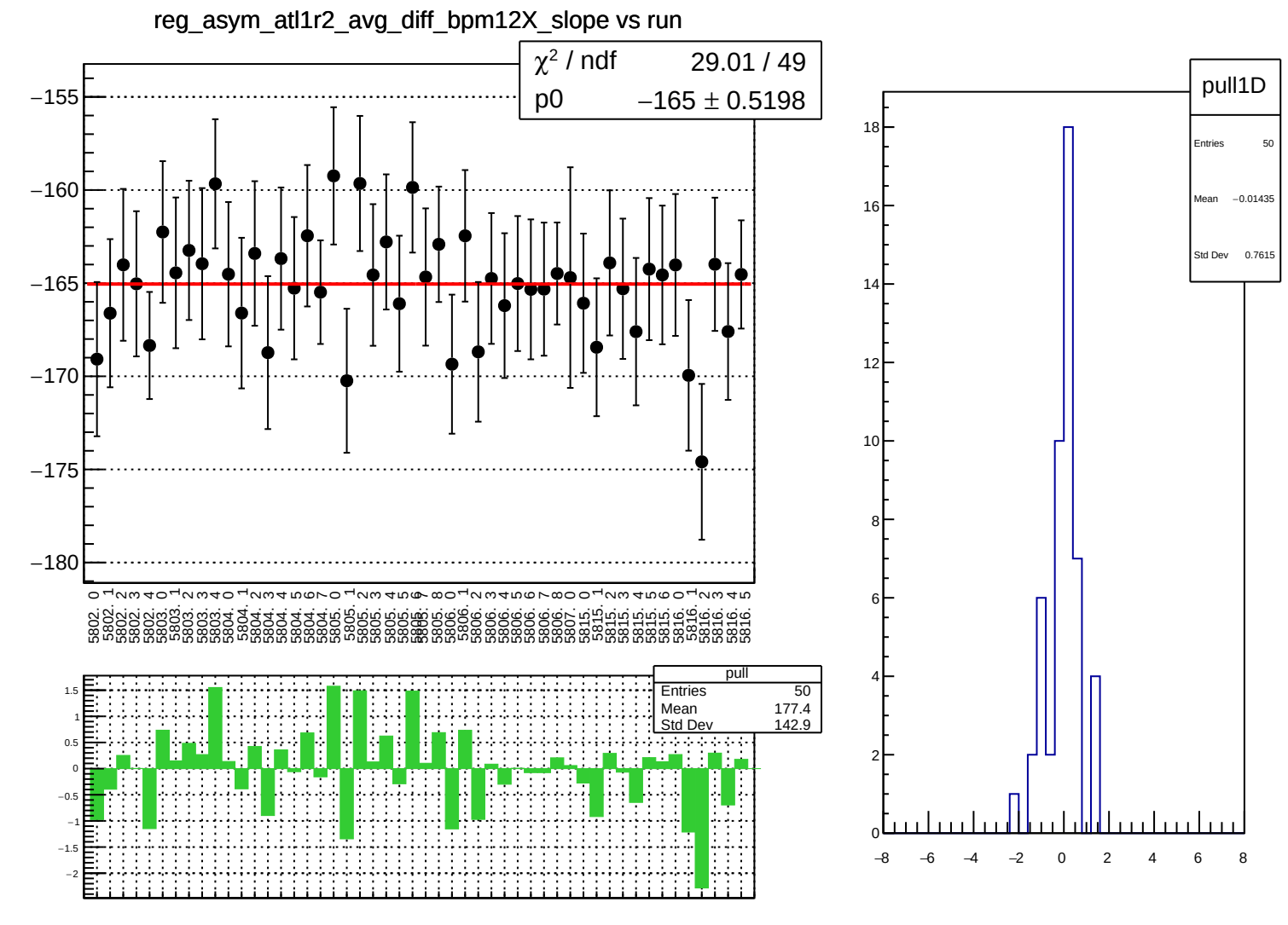

pull1D
Entries 50
Mean 0.01686
Std Dev 0.4293
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

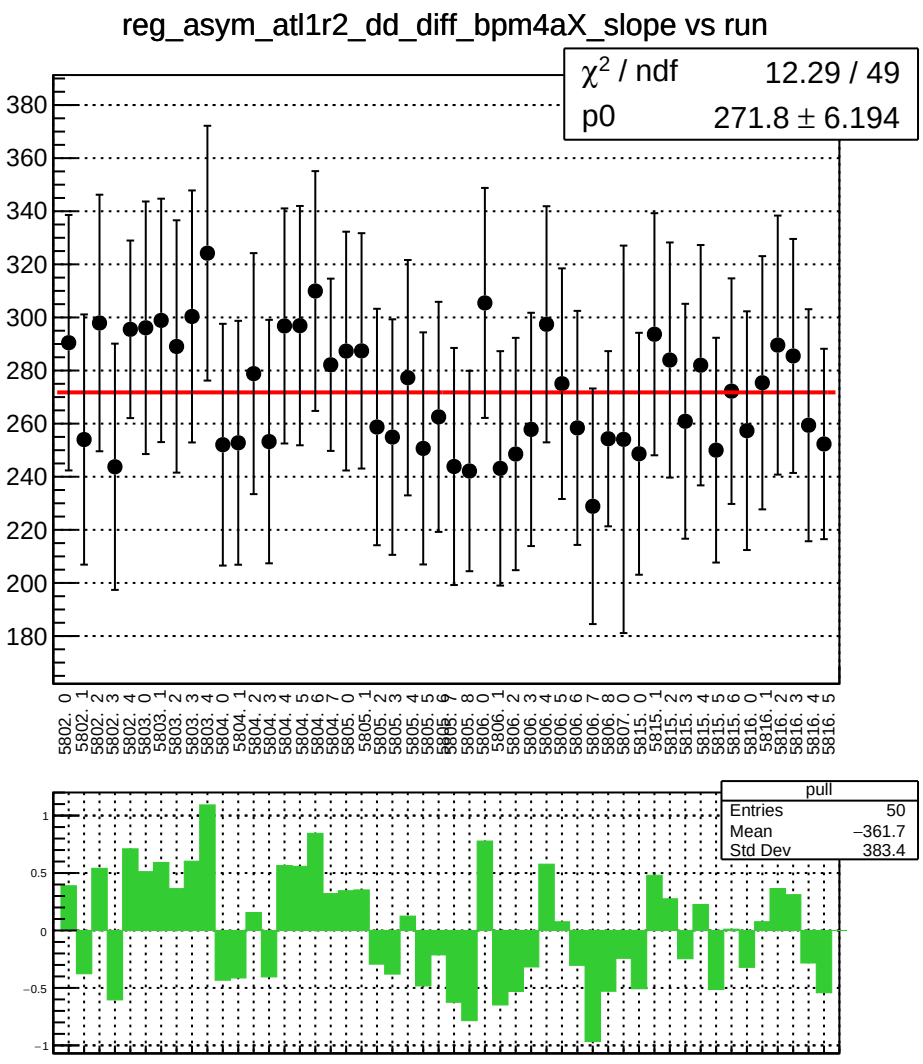

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.38 / 49
p0 630.1 ± 11.16
800
750
700
650
600
550
500
450
pull
Entries 50
Mean 110.5
Std Dev 47.09
1
0.5
0
−0.5
−1

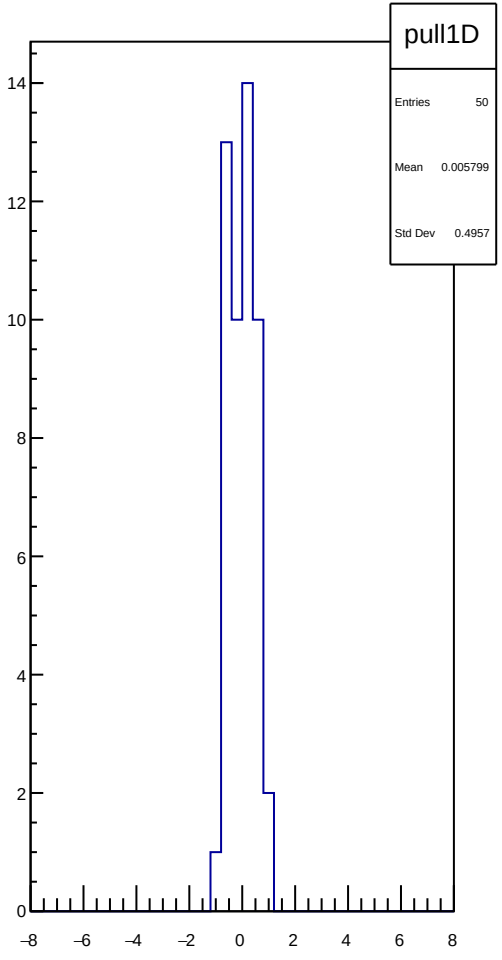

pull1D
Entries 50
Mean 0.007186
Std Dev 0.477
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

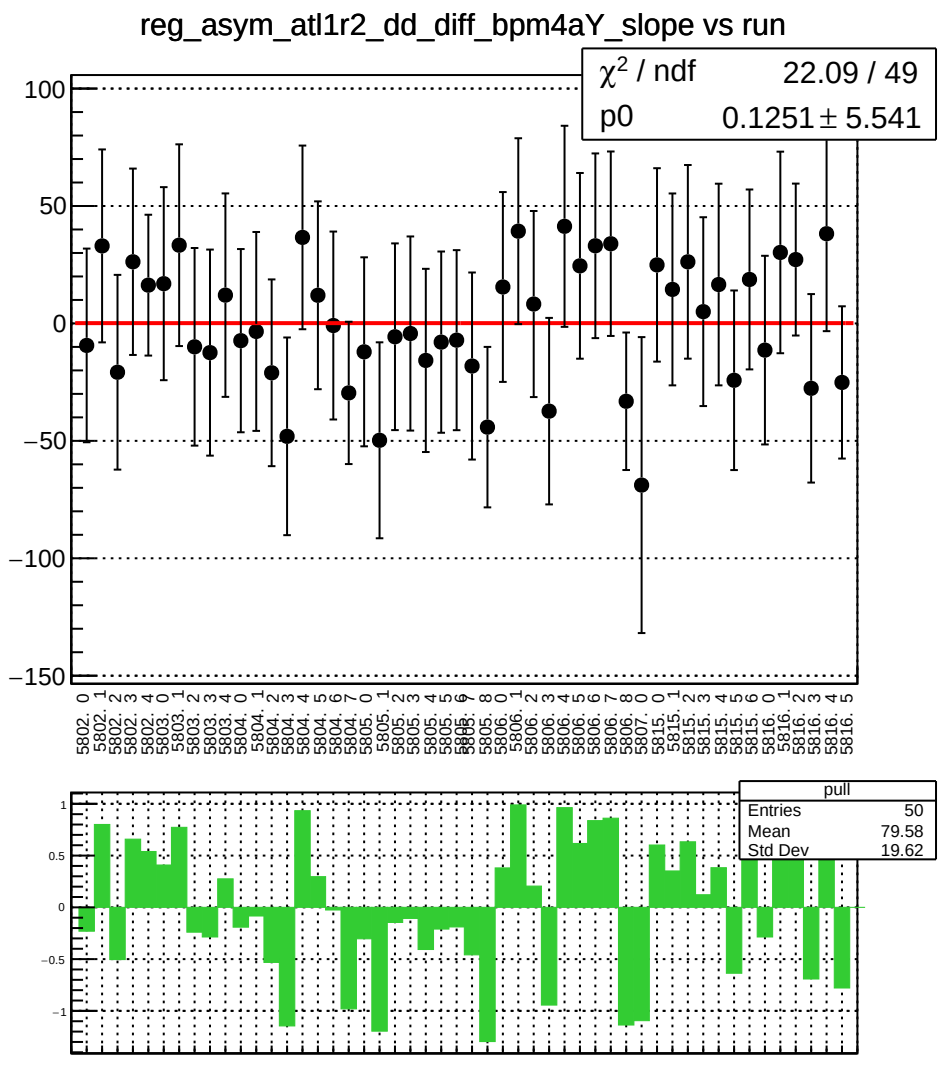

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.211 / 49
p0 −23.89 ± 8.577
pull
Entries 50
Mean 75.71
Std Dev 60.14

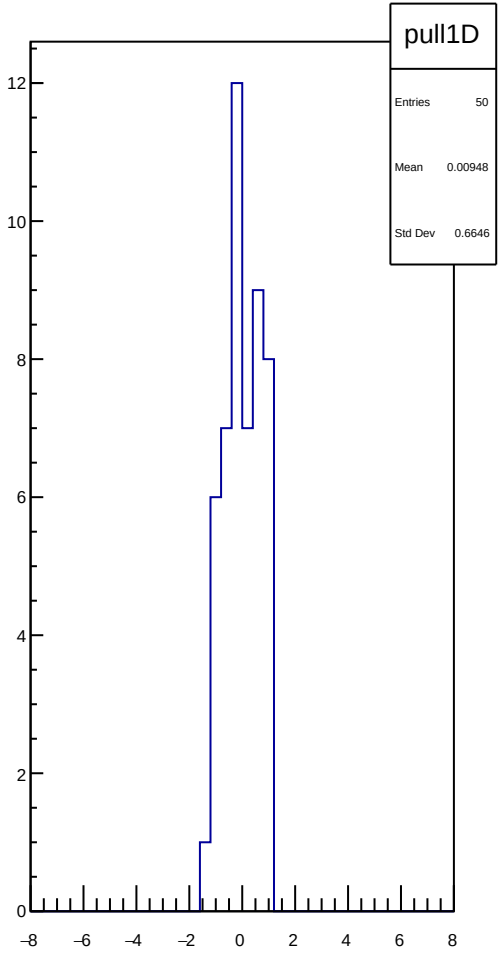

pull1D
Entries 50
Mean −0.01858
Std Dev 0.4288

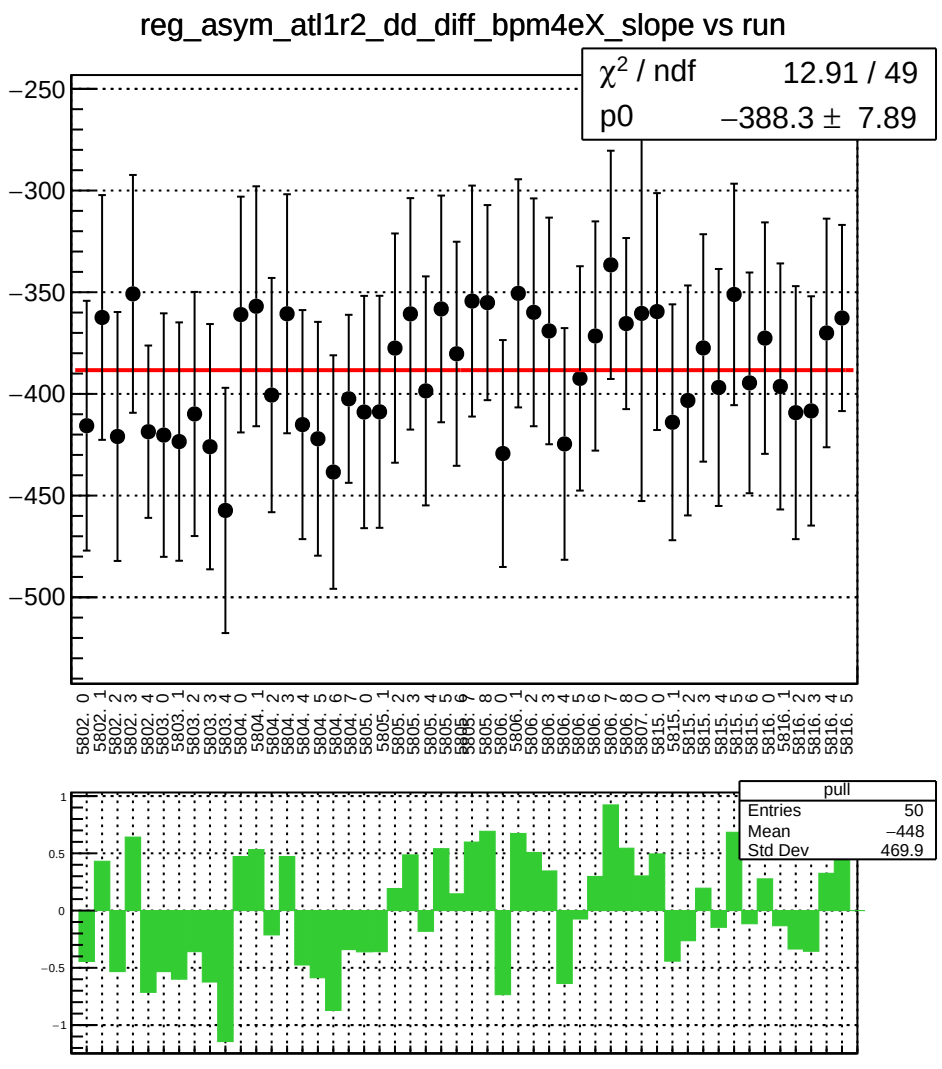

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 29.01 / 49
p0 −165 ± 0.5198
−155
−160
−165
−170
−175
−180
pull
Entries 50
Mean 177.4
Std Dev 142.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01435
Std Dev 0.7615
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

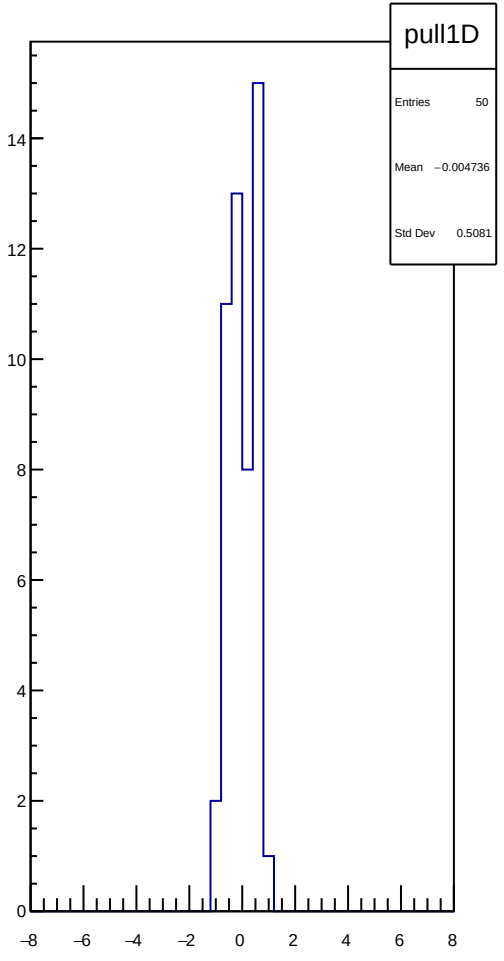

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.29 / 49
p0 271.8 ± 6.194
pull
Entries 50
Mean −361.7
Std Dev 383.4

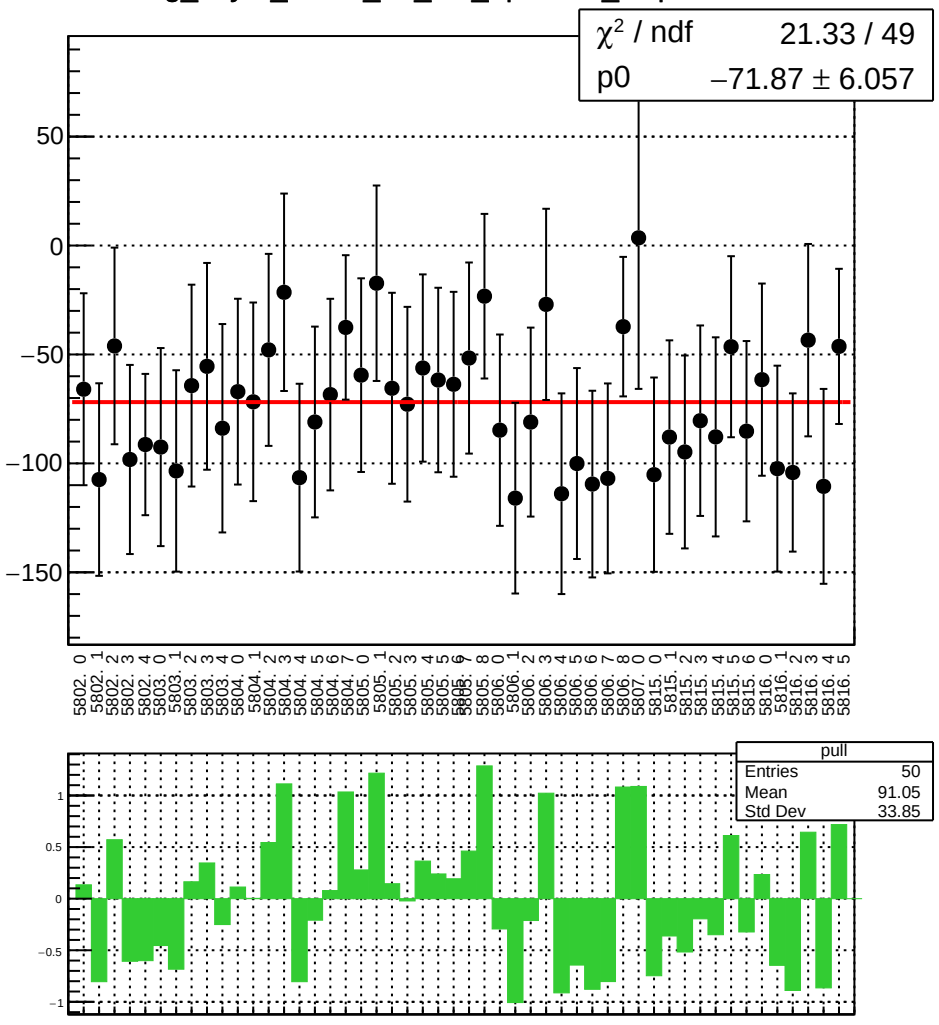

pull1D
Entries 50
Mean 0.005799
Std Dev 0.4957

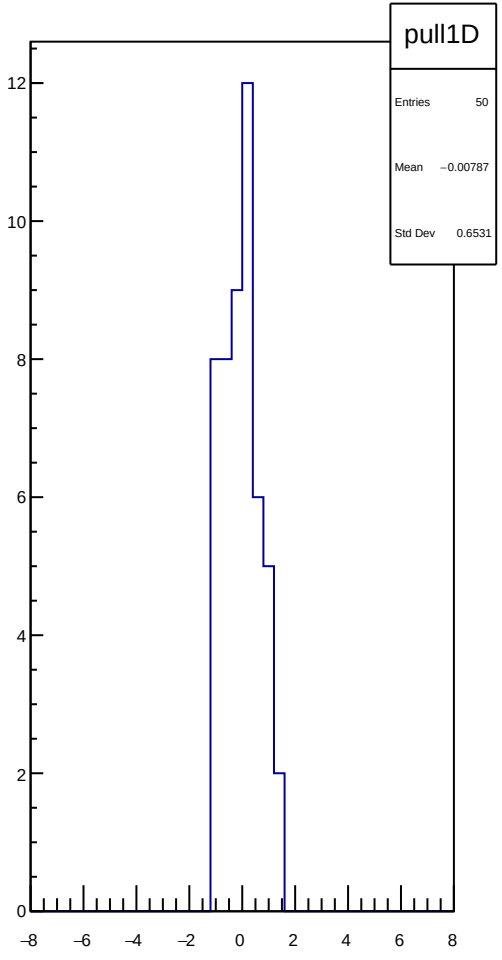

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.09 / 49
p0 0.1251 ± 5.541
pull
Entries 50
Mean 79.58
Std Dev 19.62

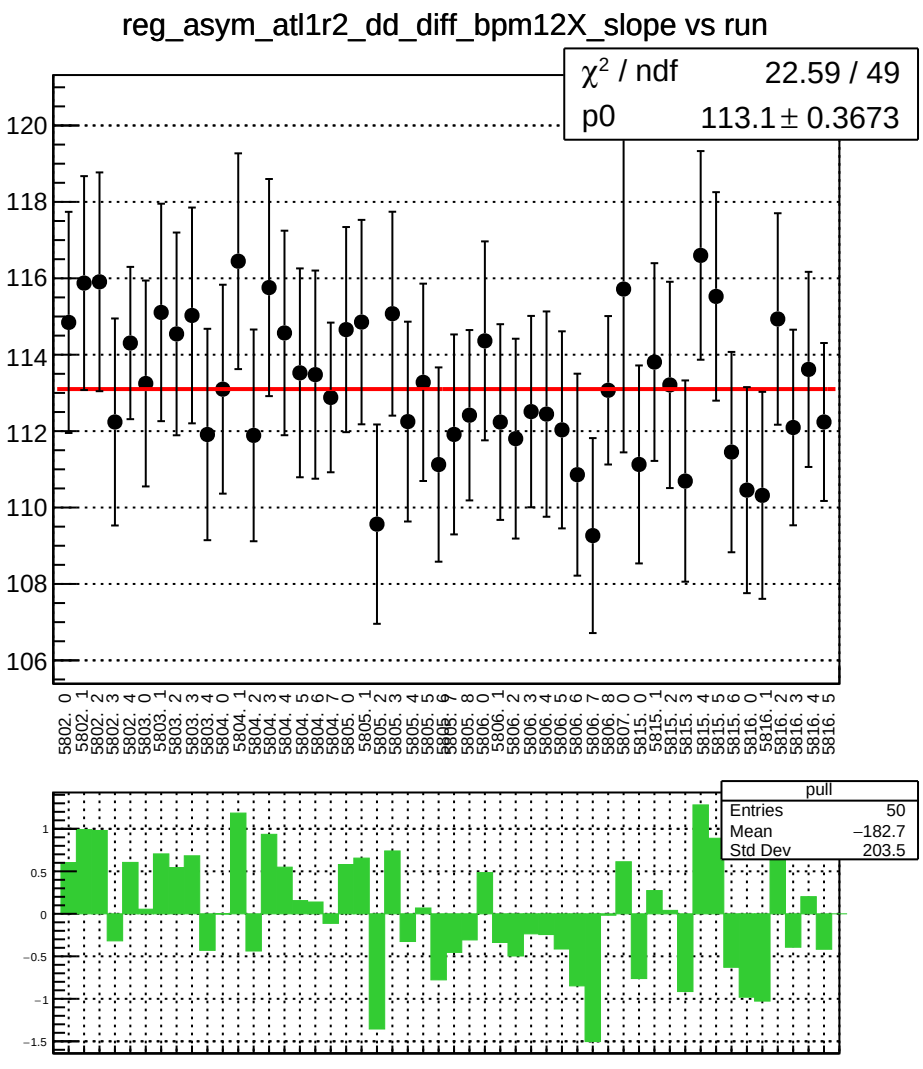

pull1D
Entries 50
Mean 0.00948
Std Dev 0.6646

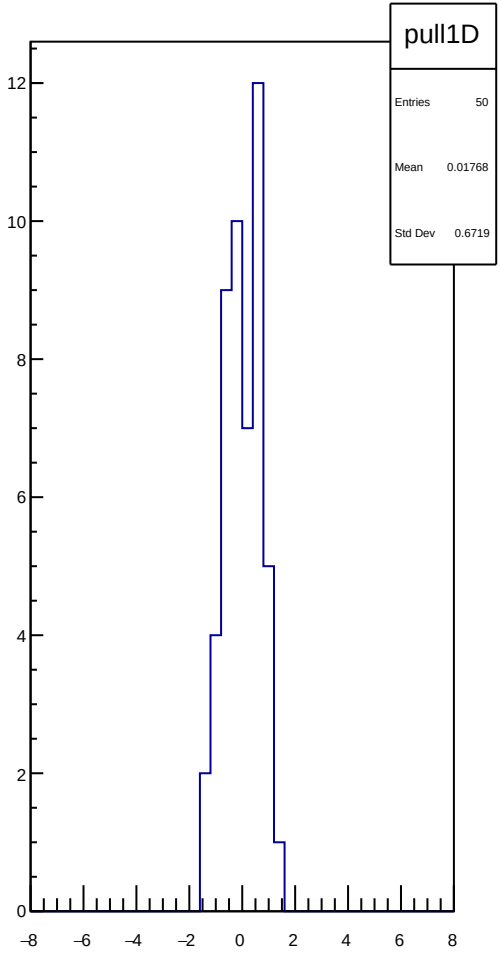

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.91 / 49
p0 −388.3 ± 7.89
pull
Entries 50
Mean −448
Std Dev 469.9

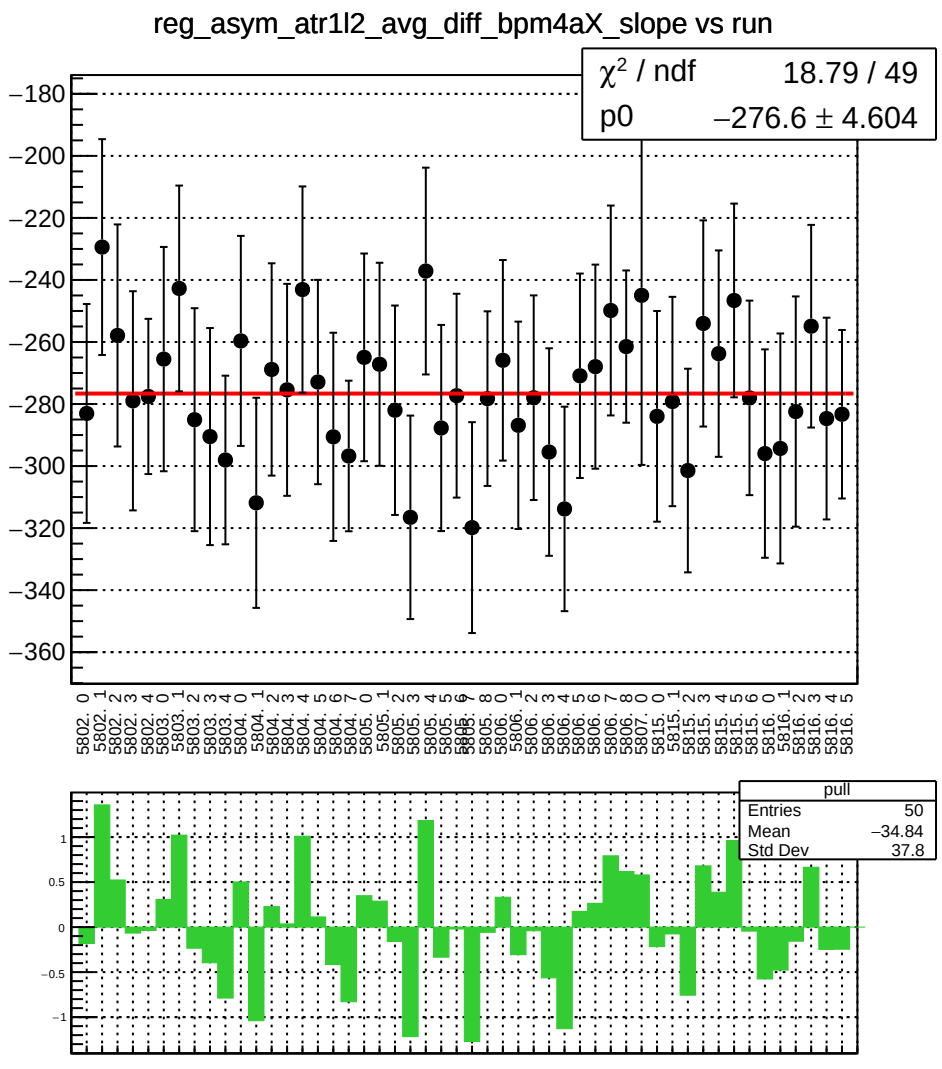

pull1D
Entries 50
Mean −0.004736
Std Dev 0.5081

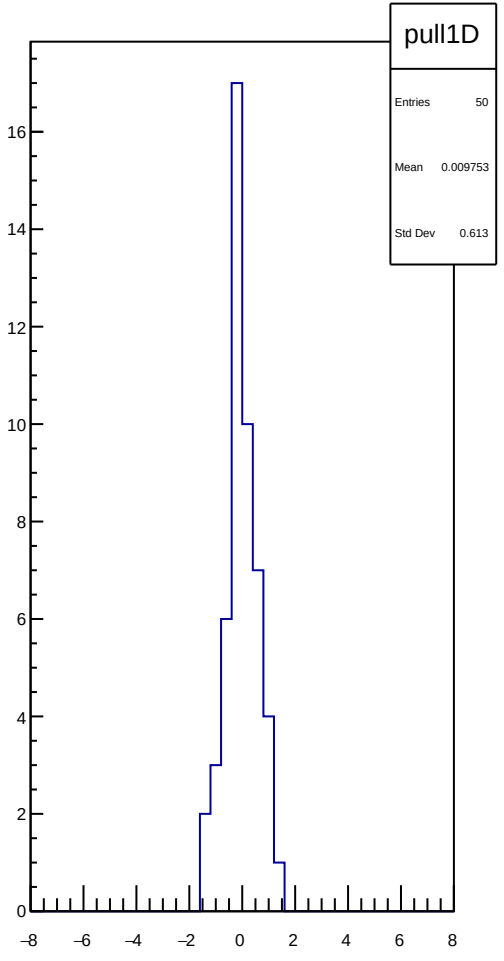

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.33 / 49
p0 −71.87 ± 6.057
50
0
−50
−100
−150
pull
Entries 50
Mean 91.05
Std Dev 33.85
1
0.5
0
−0.5
−1

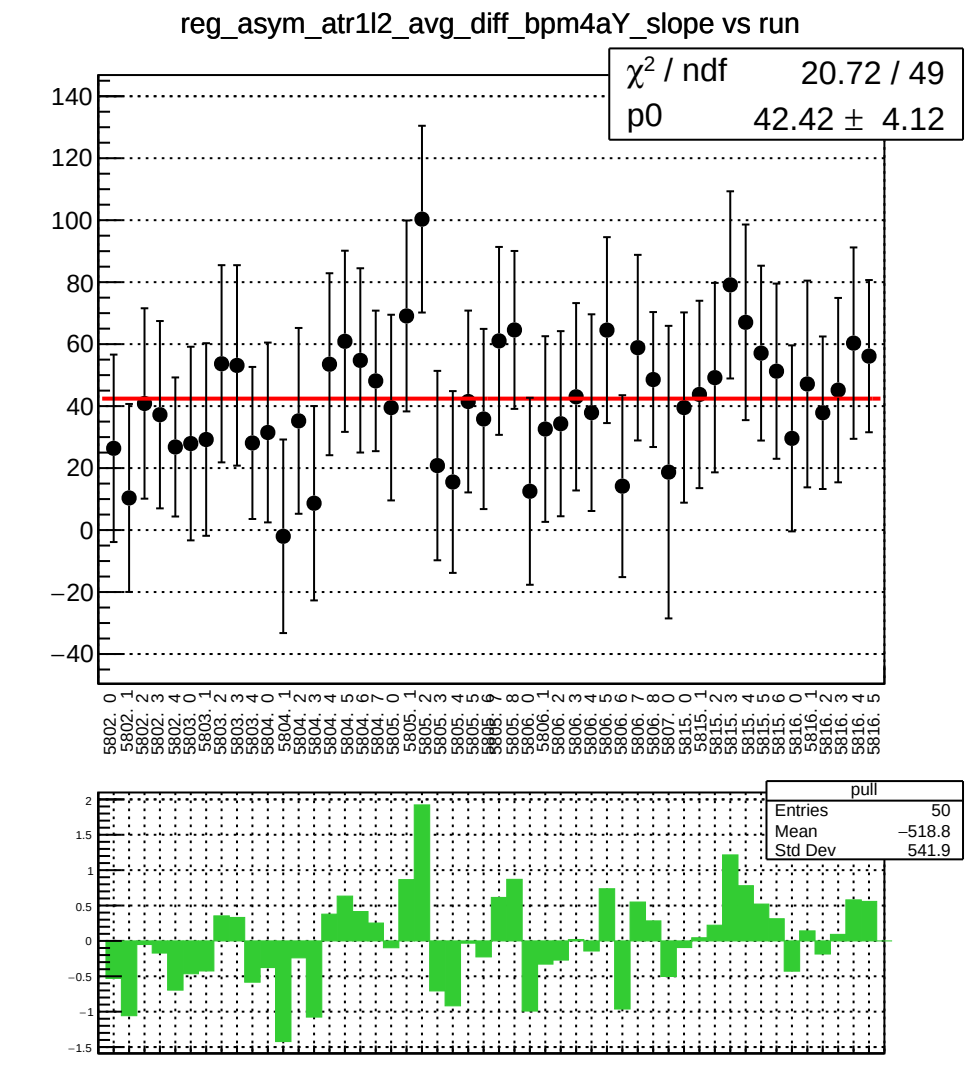

pull1D
Entries 50
Mean −0.00787
Std Dev 0.6531
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

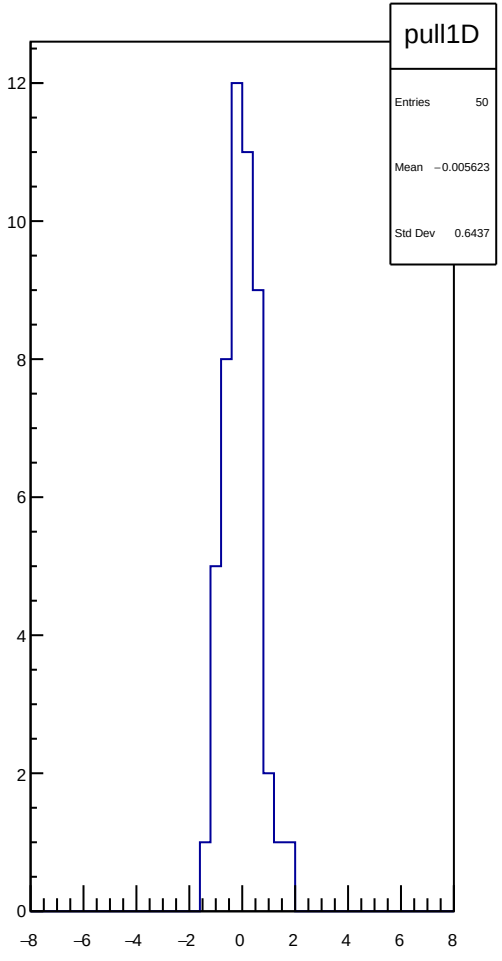

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.59 / 49
p0 113.1 ± 0.3673
pull
Entries 50
Mean −182.7
Std Dev 203.5

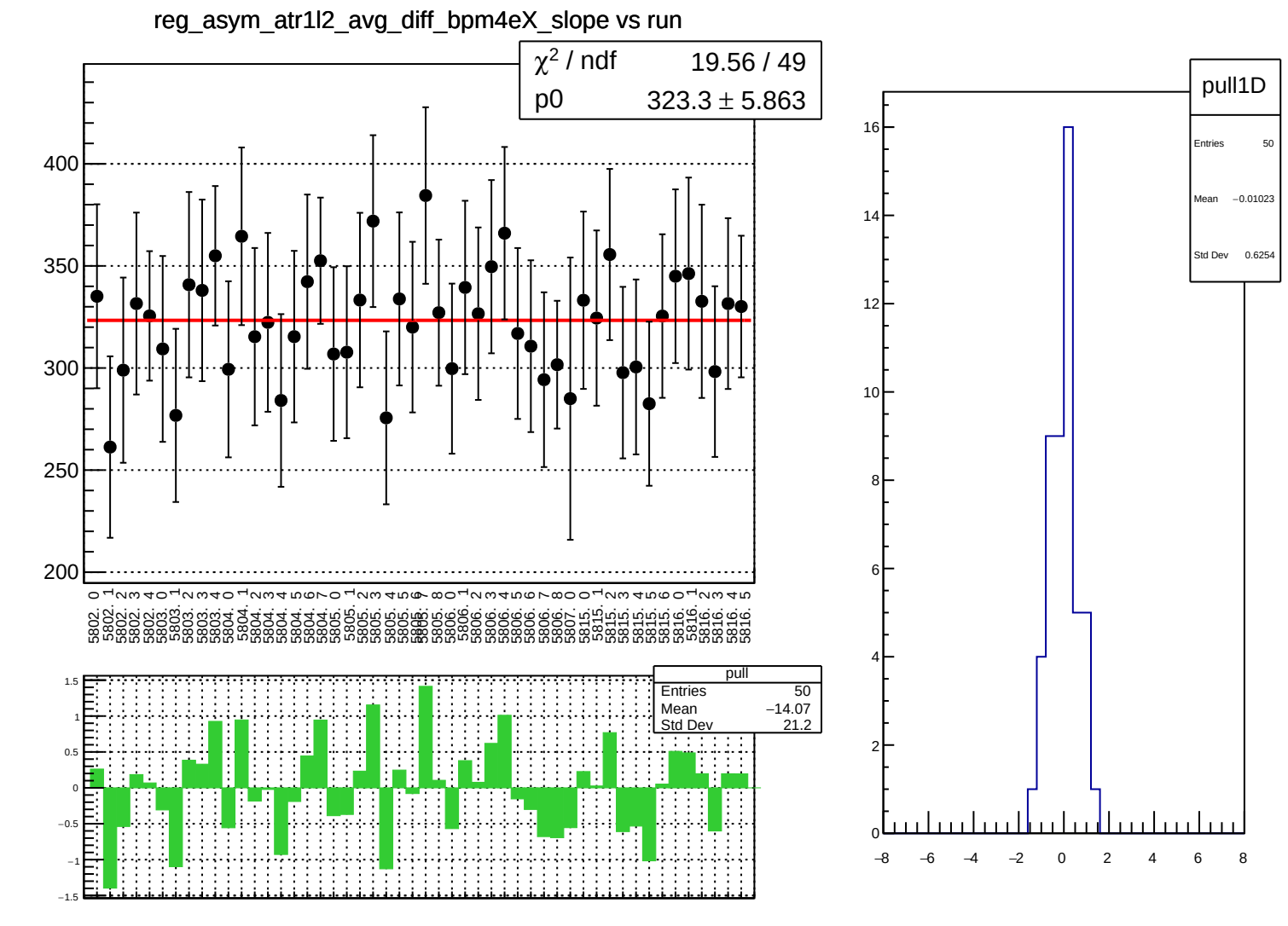

pull1D
Entries 50
Mean 0.01768
Std Dev 0.6719

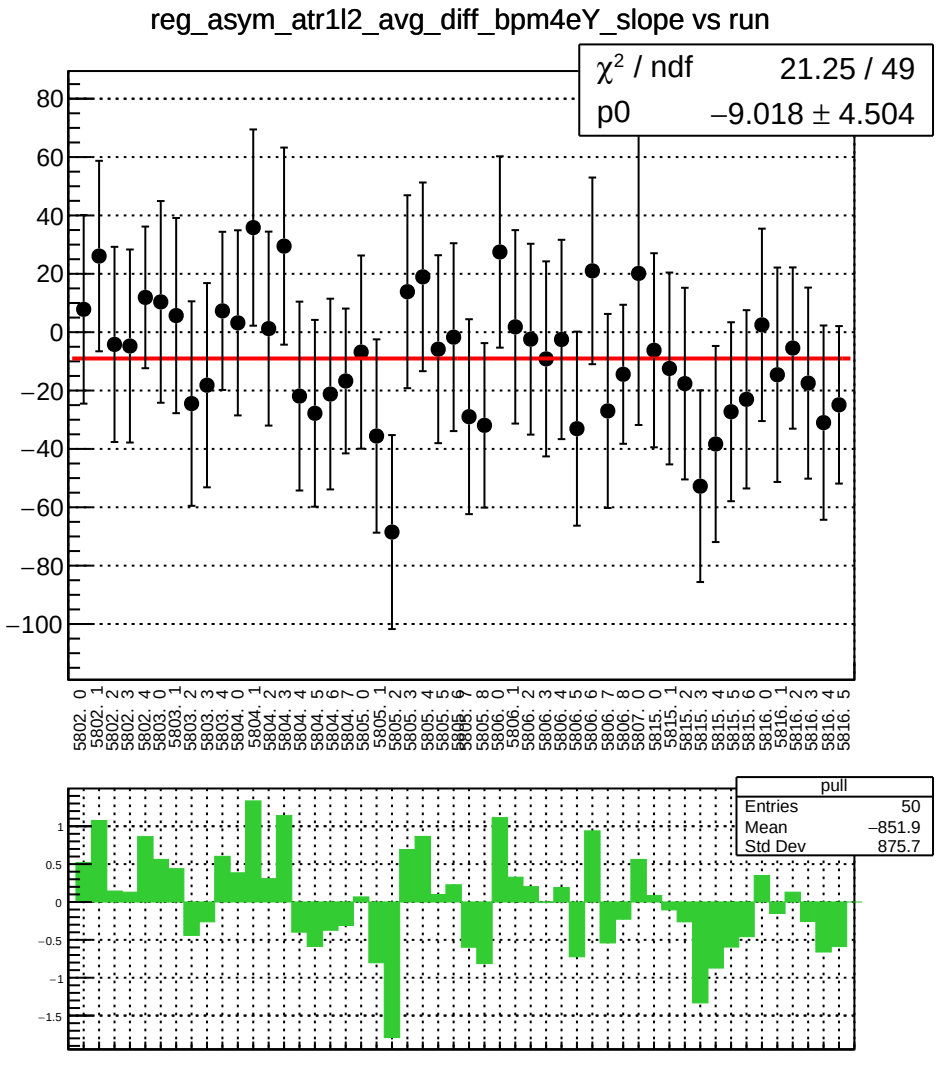

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 18.79 / 49
p0 −276.6 ± 4.604
pull
Entries 50
Mean −34.84
Std Dev 37.8

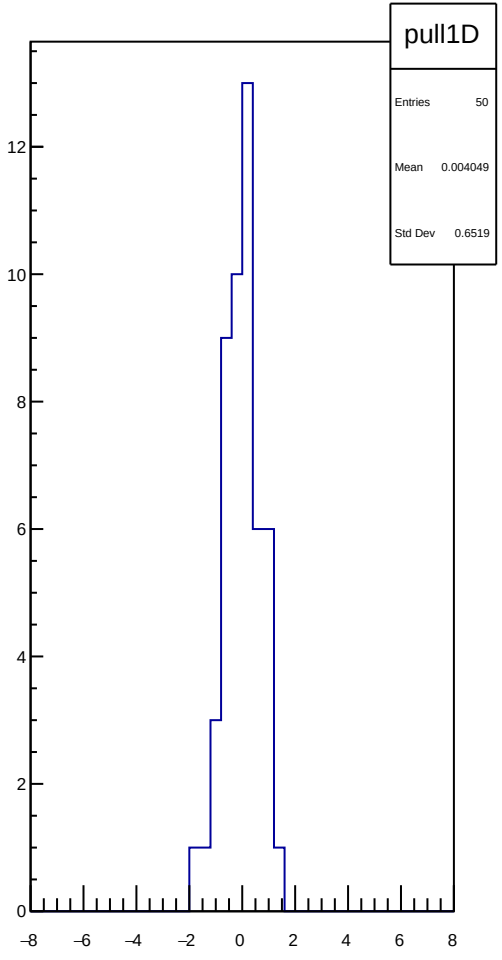

pull1D
Entries 50
Mean 0.009753
Std Dev 0.613

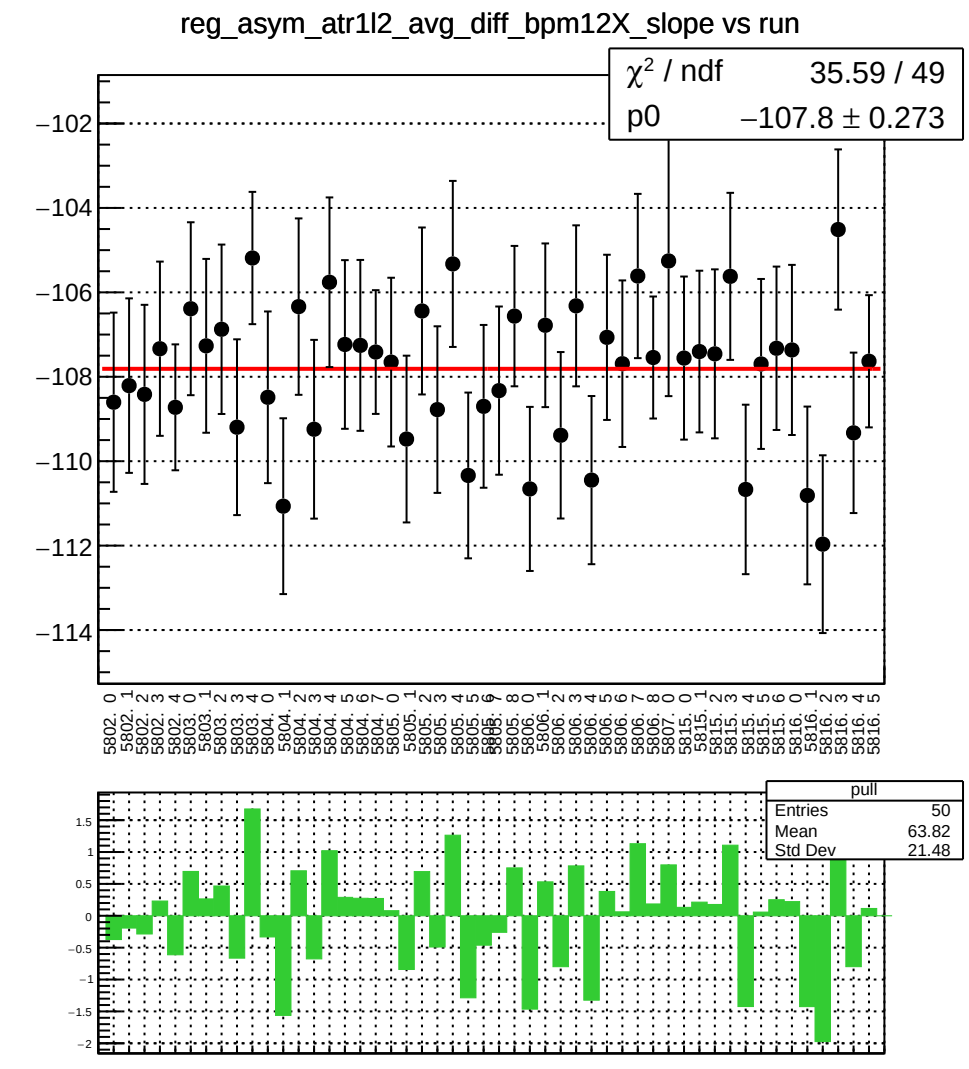

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.72 / 49
p0 42.42 ± 4.12
pull
Entries 50
Mean −518.8
Std Dev 541.9

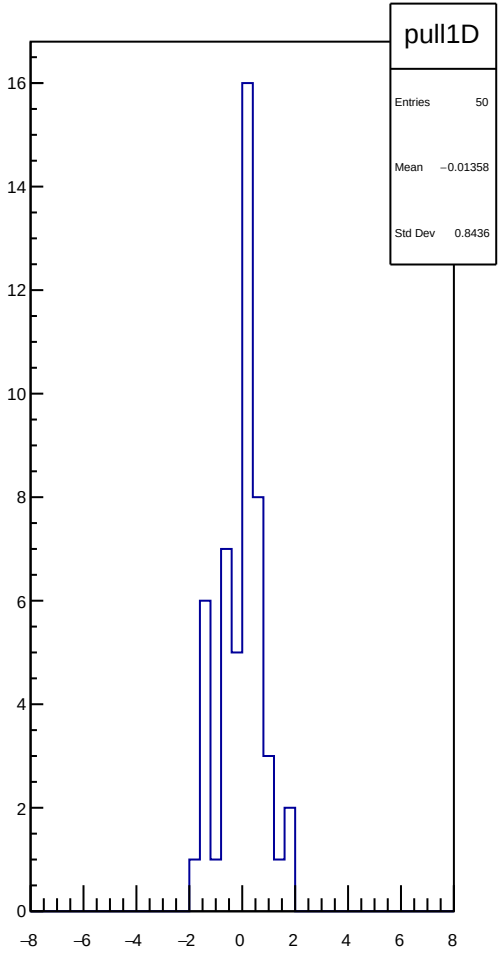

pull1D
Entries 50
Mean −0.005623
Std Dev 0.6437

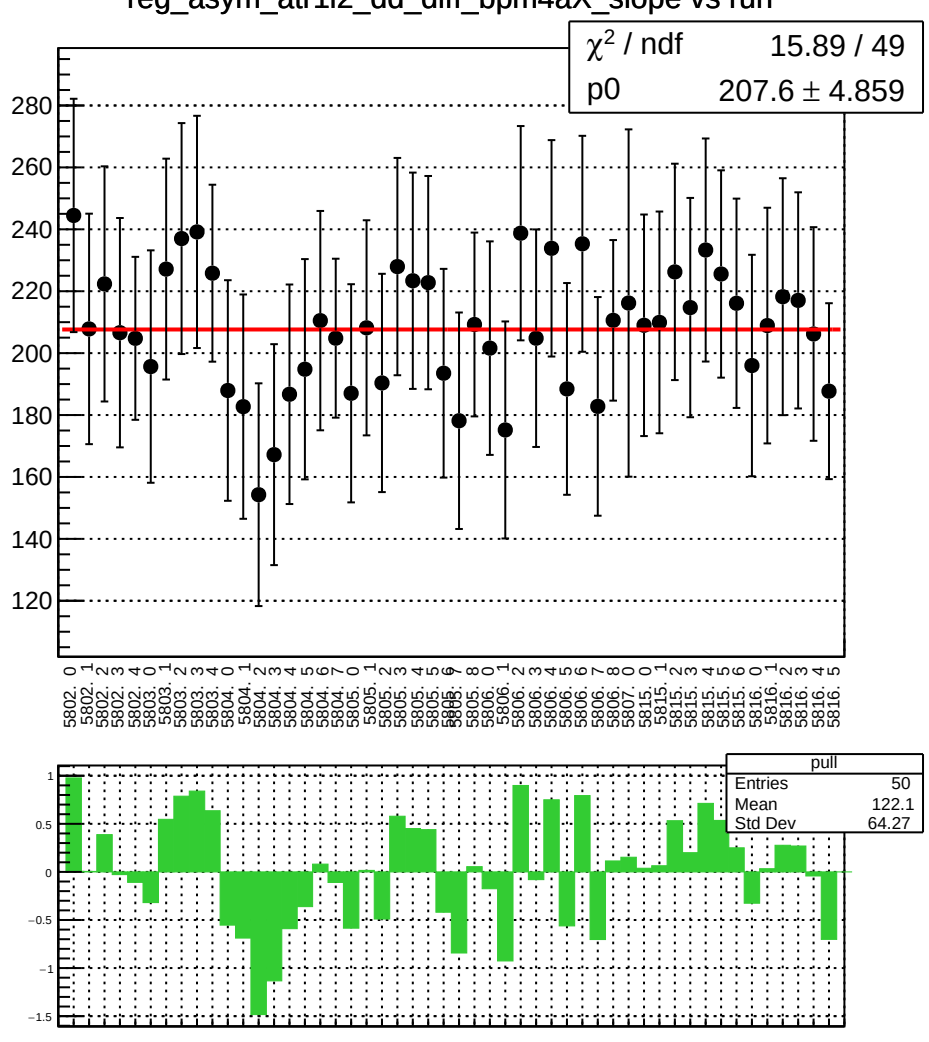

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.56 / 49
p0 323.3 ± 5.863
400
350
300
250
200
pull
Entries 50
Mean −14.07
Std Dev 21.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.01023
Std Dev 0.6254
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

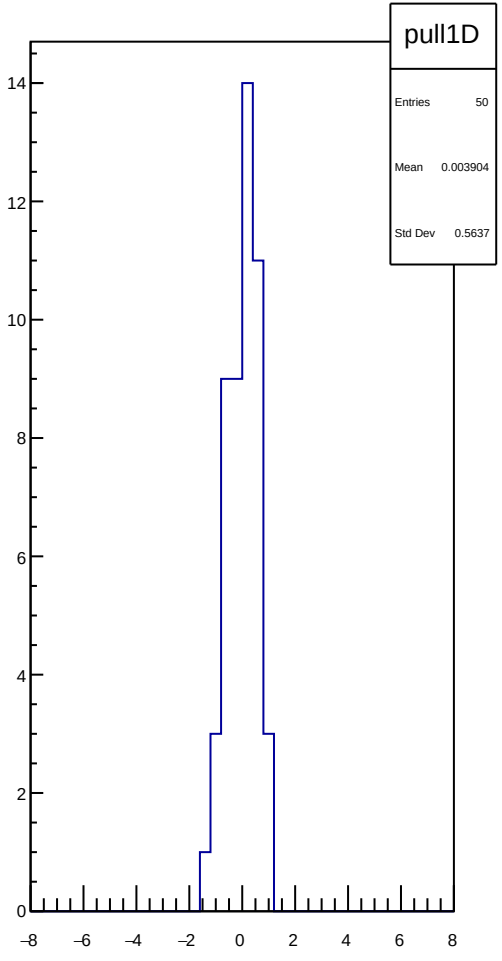

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.25 / 49
p0 −9.018 ± 4.504
pull
Entries 50
Mean −851.9
Std Dev 875.7

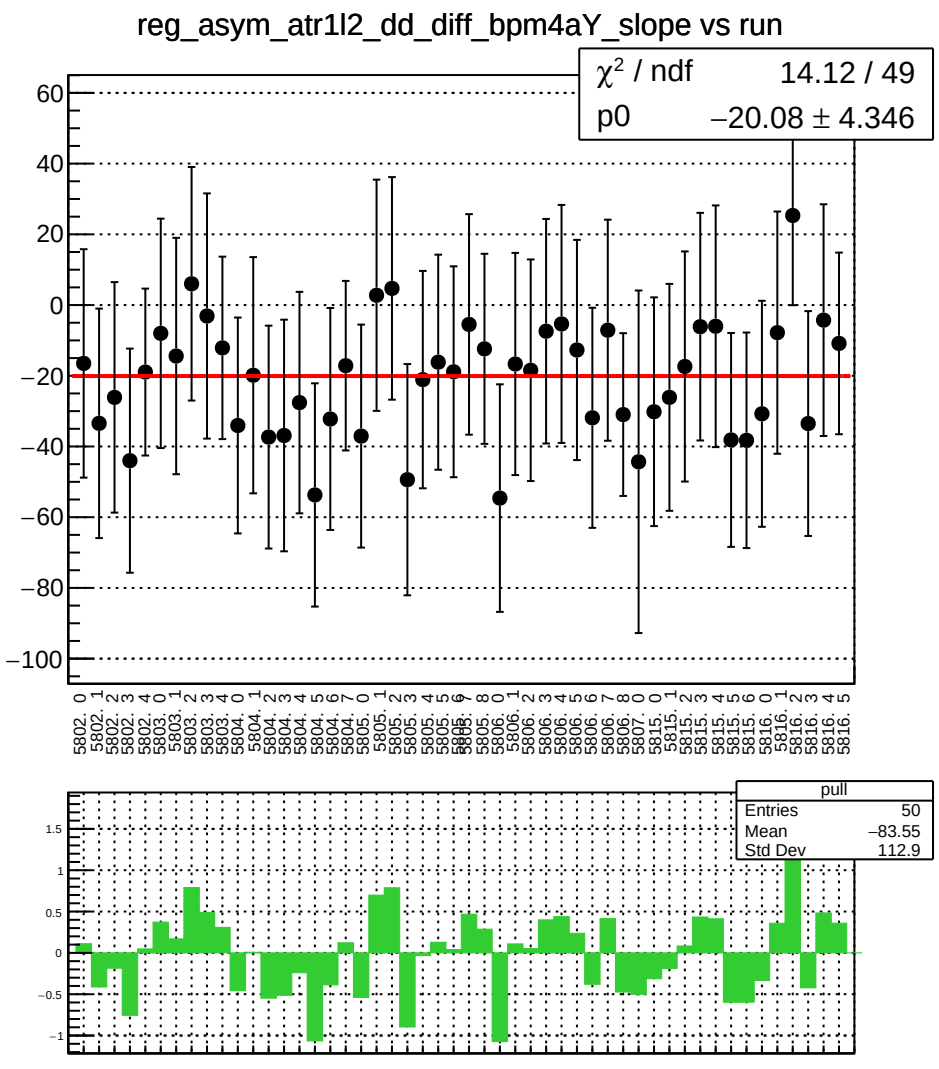

pull1D
Entries 50
Mean 0.004049
Std Dev 0.6519

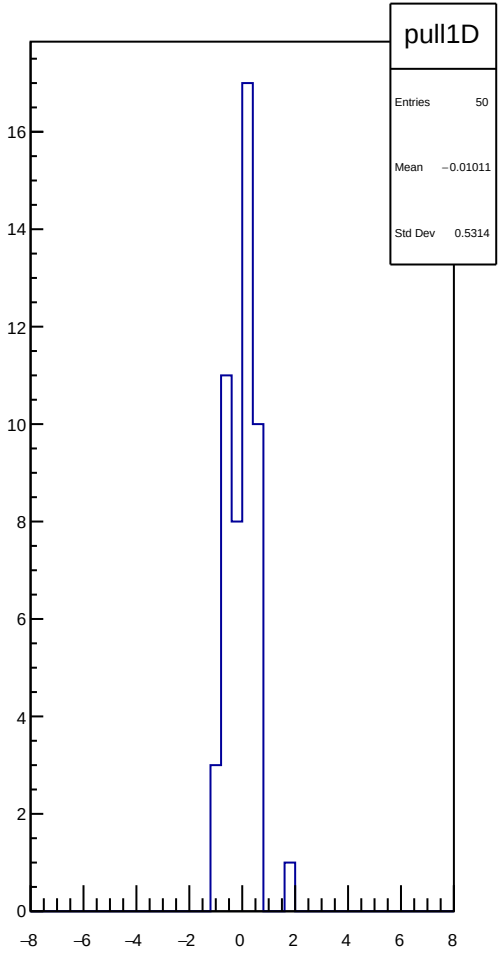

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 35.59 / 49
p0 −107.8 ± 0.273
pull
Entries 50
Mean 63.82
Std Dev 21.48

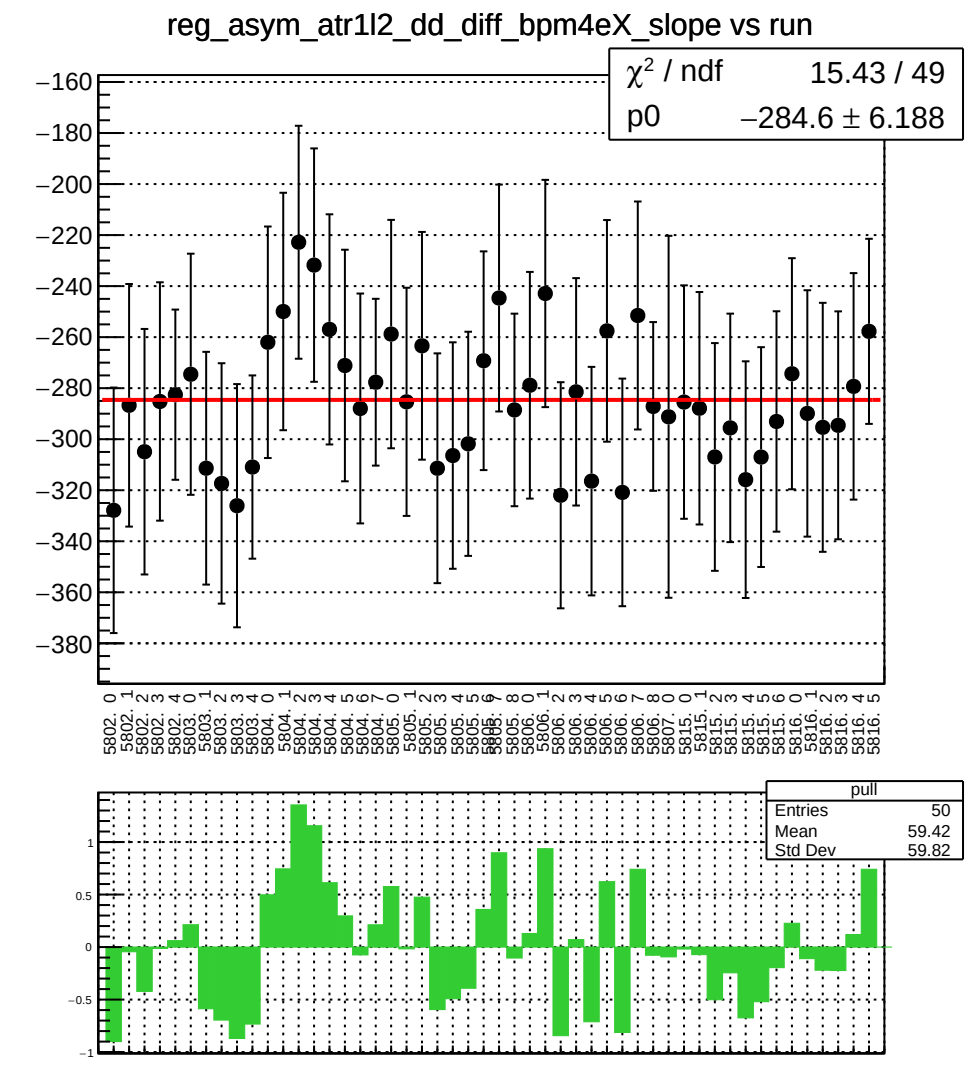

pull1D
Entries 50
Mean −0.01358
Std Dev 0.8436

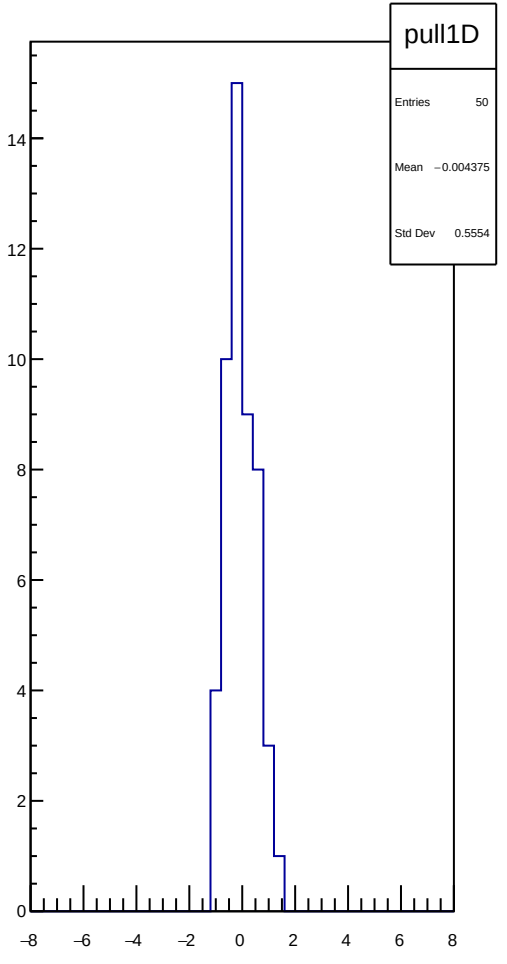

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 15.89 / 49
p0 207.6 ± 4.859
pull
Entries 50
Mean 122.1
Std Dev 64.27

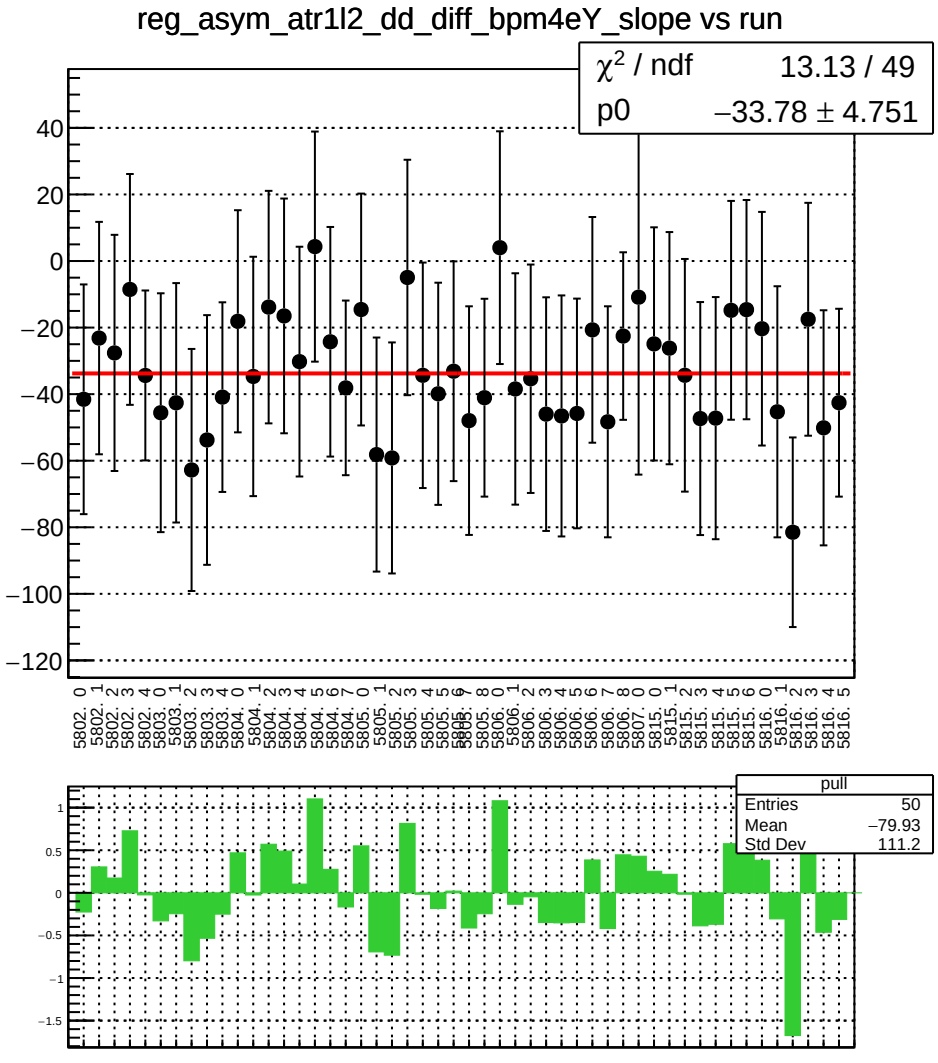

pull1D
Entries 50
Mean 0.003904
Std Dev 0.5637

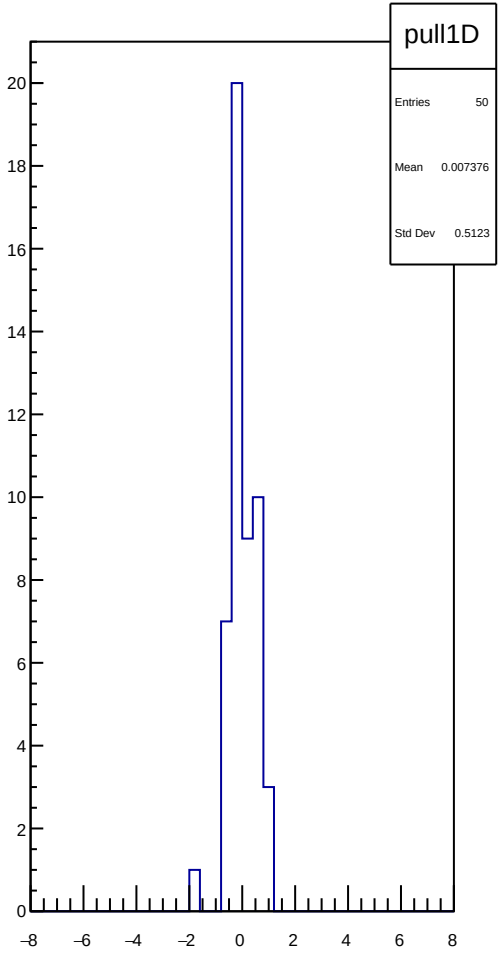

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.12 / 49
p0 −20.08 ± 4.346
pull
Entries 50
Mean −83.55
Std Dev 112.9

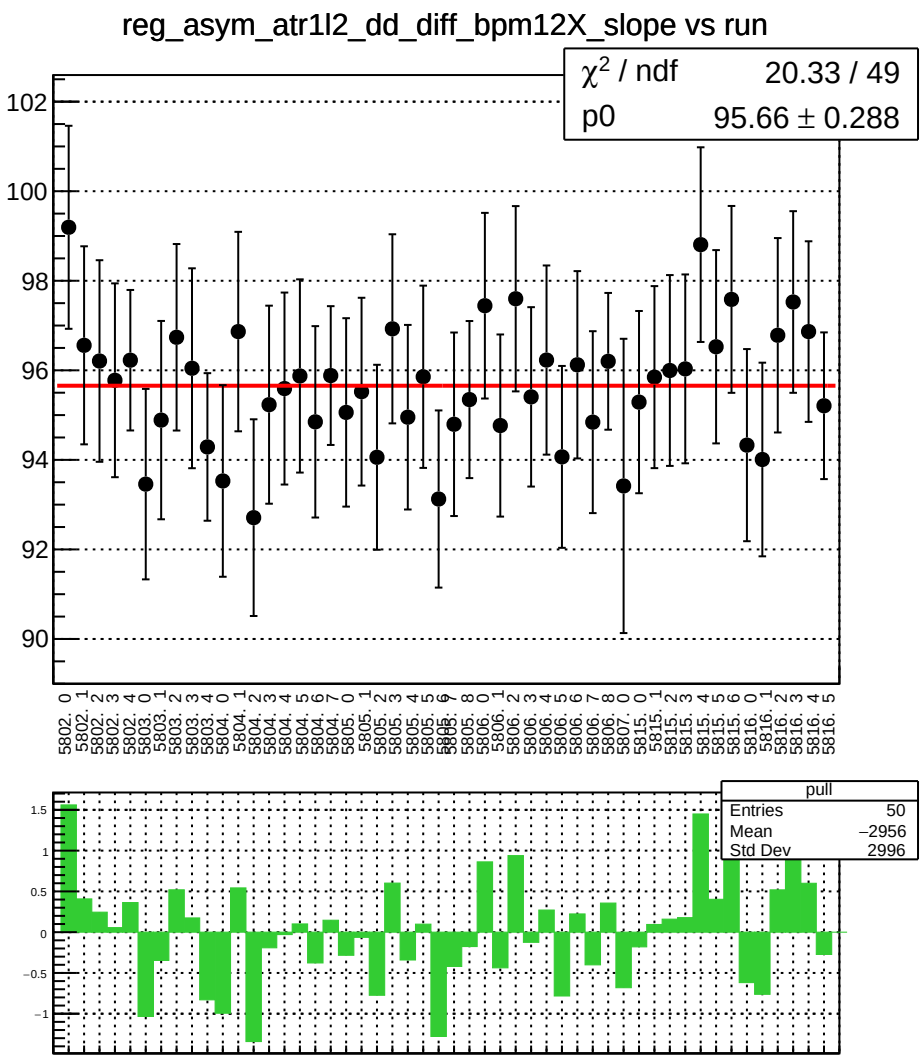

pull1D
Entries 50
Mean −0.01011
Std Dev 0.5314

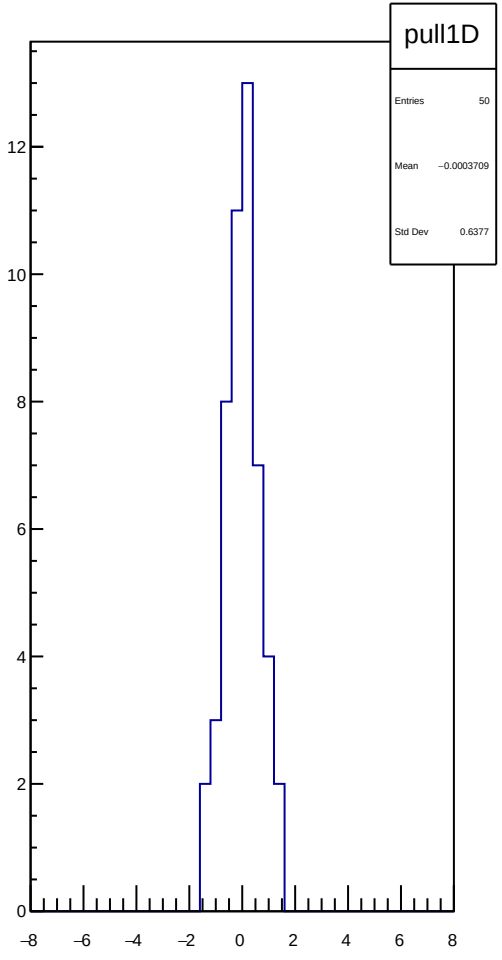

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.43 / 49
p0 −284.6 ± 6.188
pull
Entries 50
Mean 59.42
Std Dev 59.82

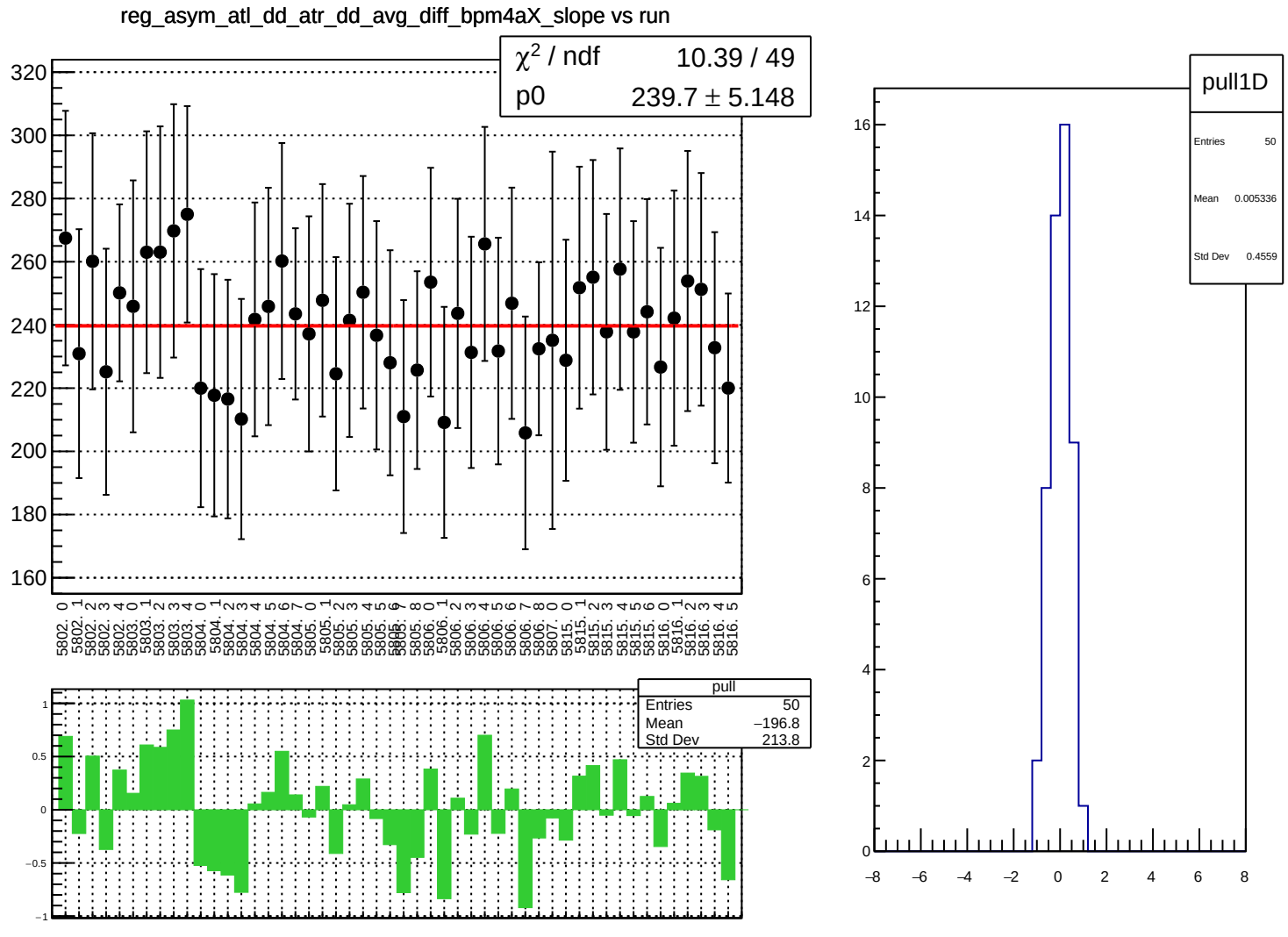

pull1D
Entries 50
Mean −0.004375
Std Dev 0.5554

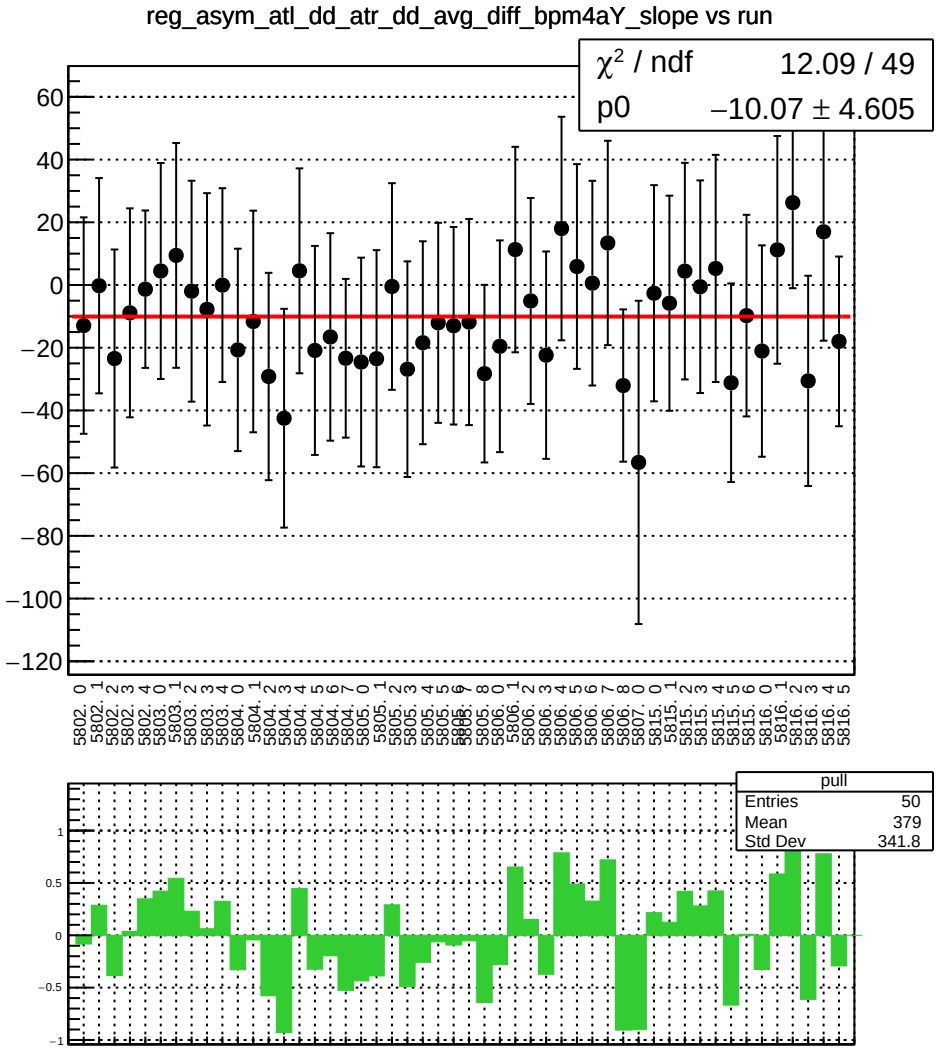

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.13 / 49
p0 −33.78 ± 4.751
pull
Entries 50
Mean −79.93
Std Dev 111.2

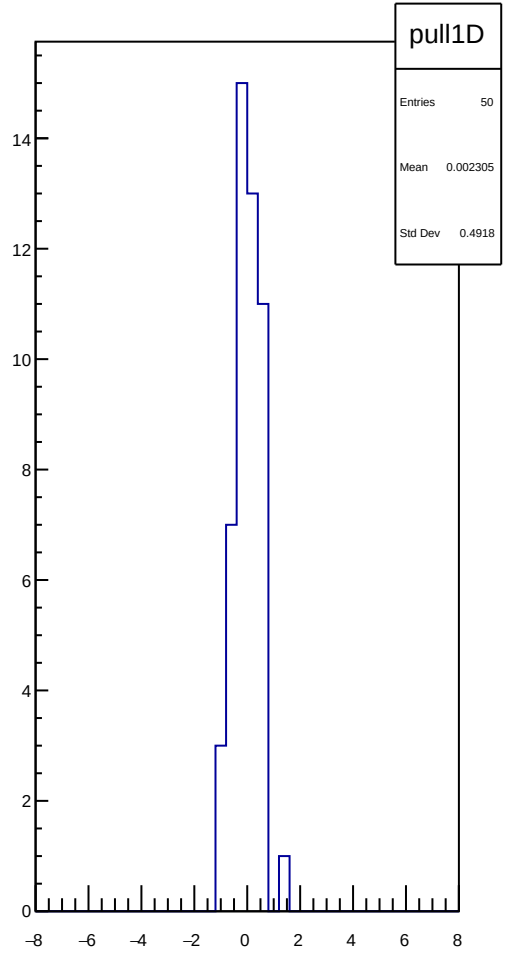

pull1D
Entries 50
Mean 0.007376
Std Dev 0.5123

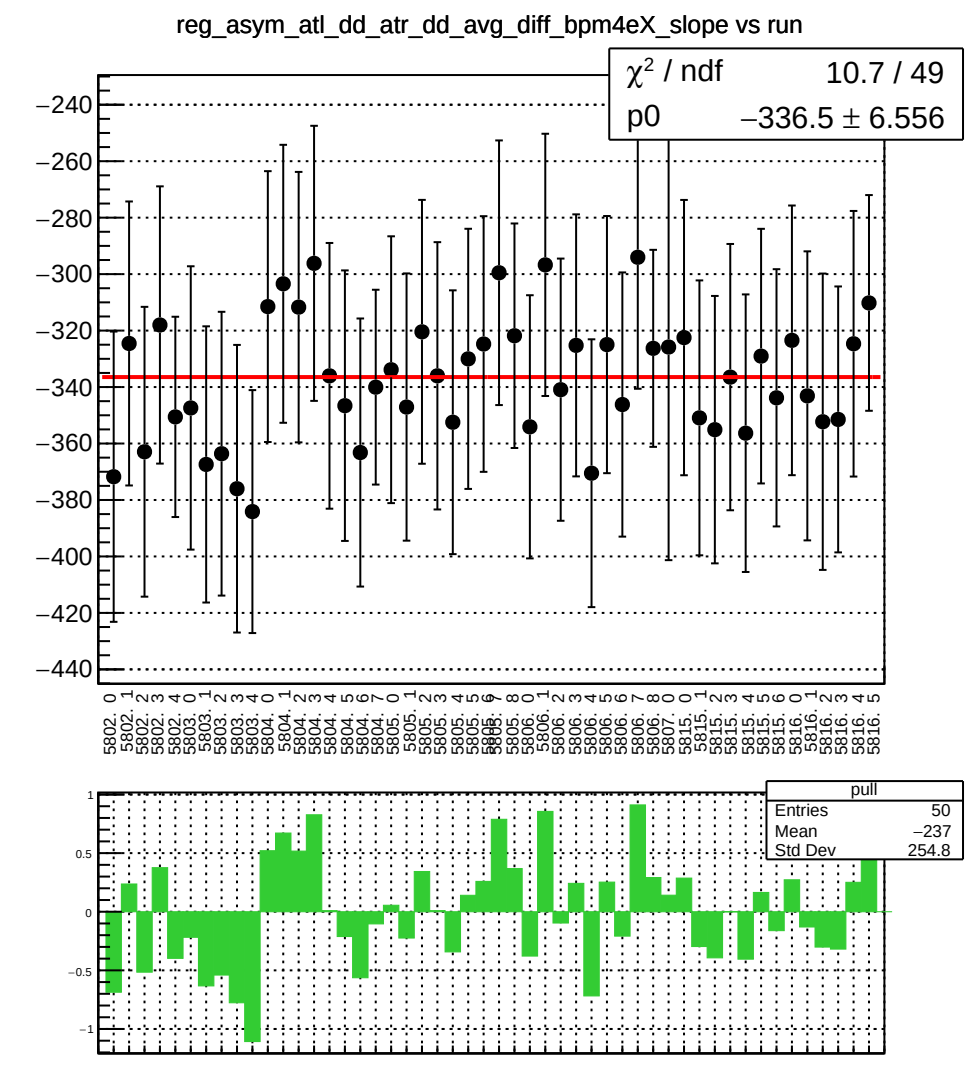

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 20.33 / 49
p0 95.66 ± 0.288
102
100
98
96
94
92
90
pull
Entries 50
Mean −2956
Std Dev 2996
1.5
1
0.5
0
−0.5
−1

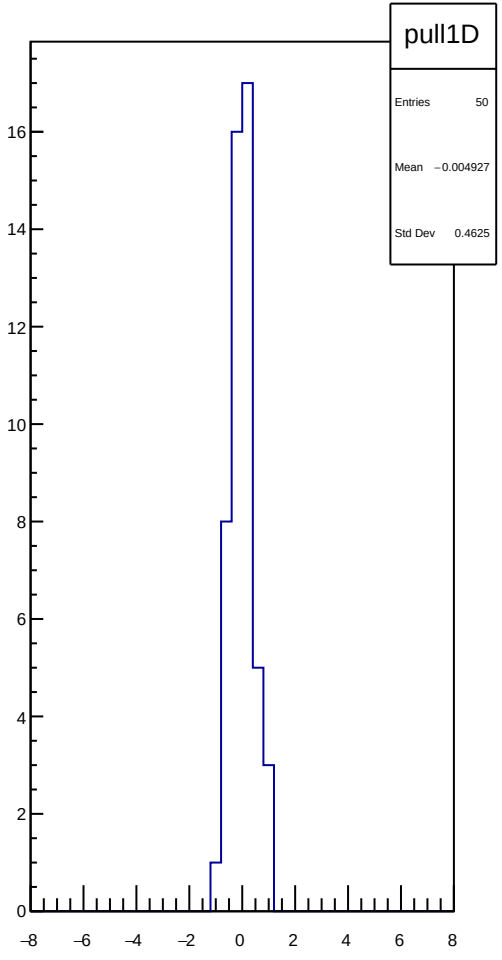

pull1D
Entries 50
Mean −0.0003709
Std Dev 0.6377
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

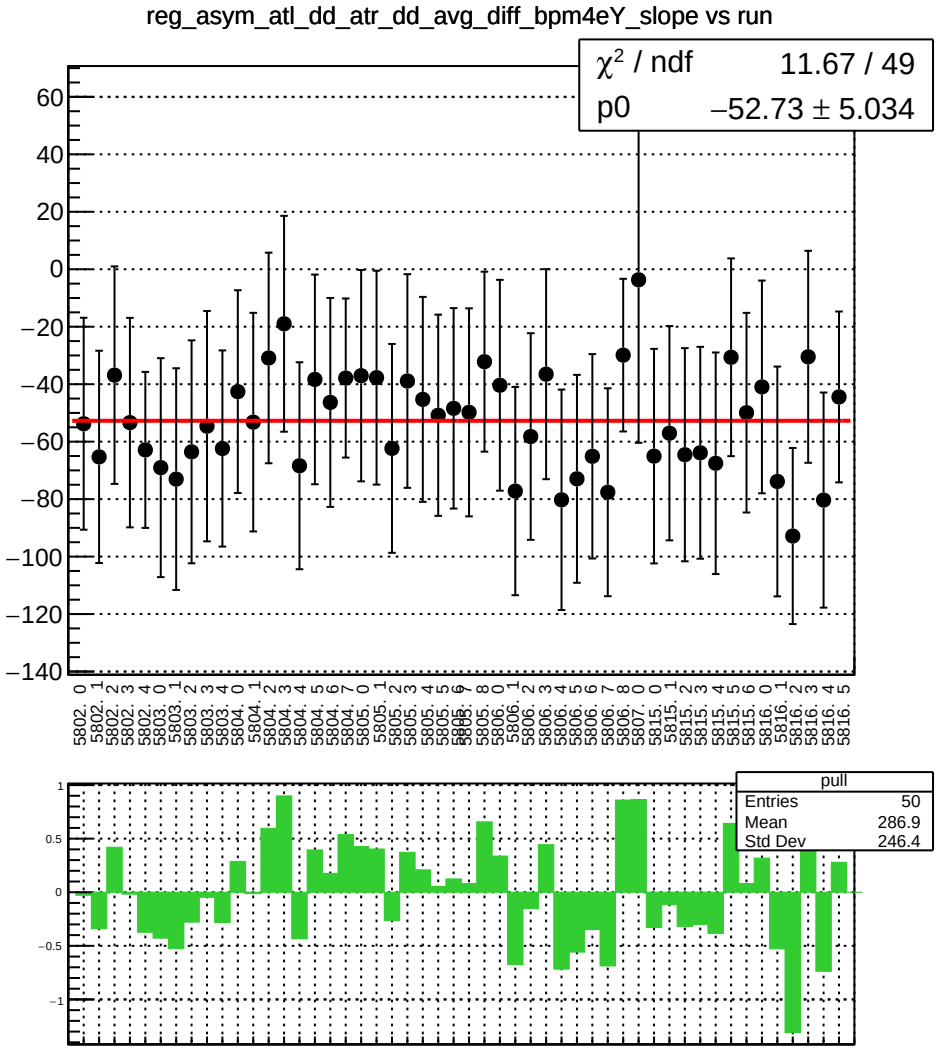

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.39 / 49
p0 239.7 ± 5.148
320
300
280
260
240
220
200
180
160
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
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

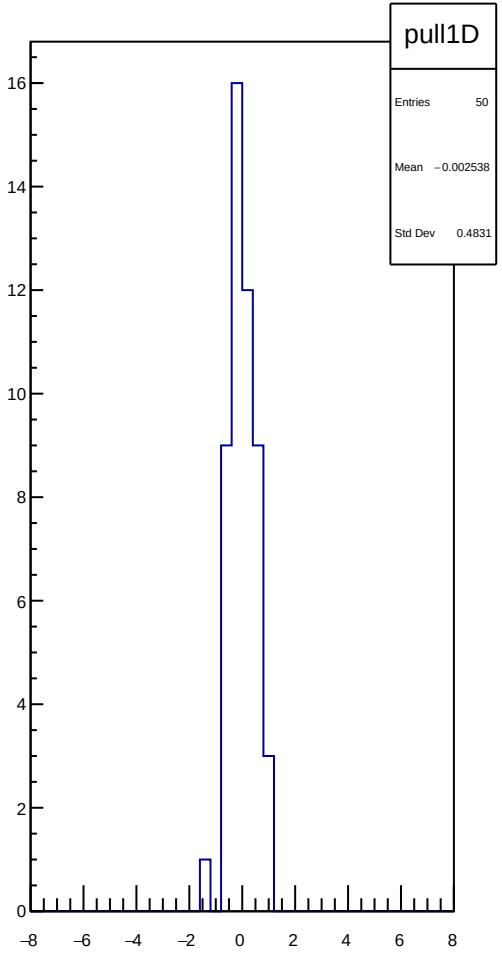

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.09 / 49
p0 −10.07 ± 4.605
pull
Entries 50
Mean 379
Std Dev 341.8

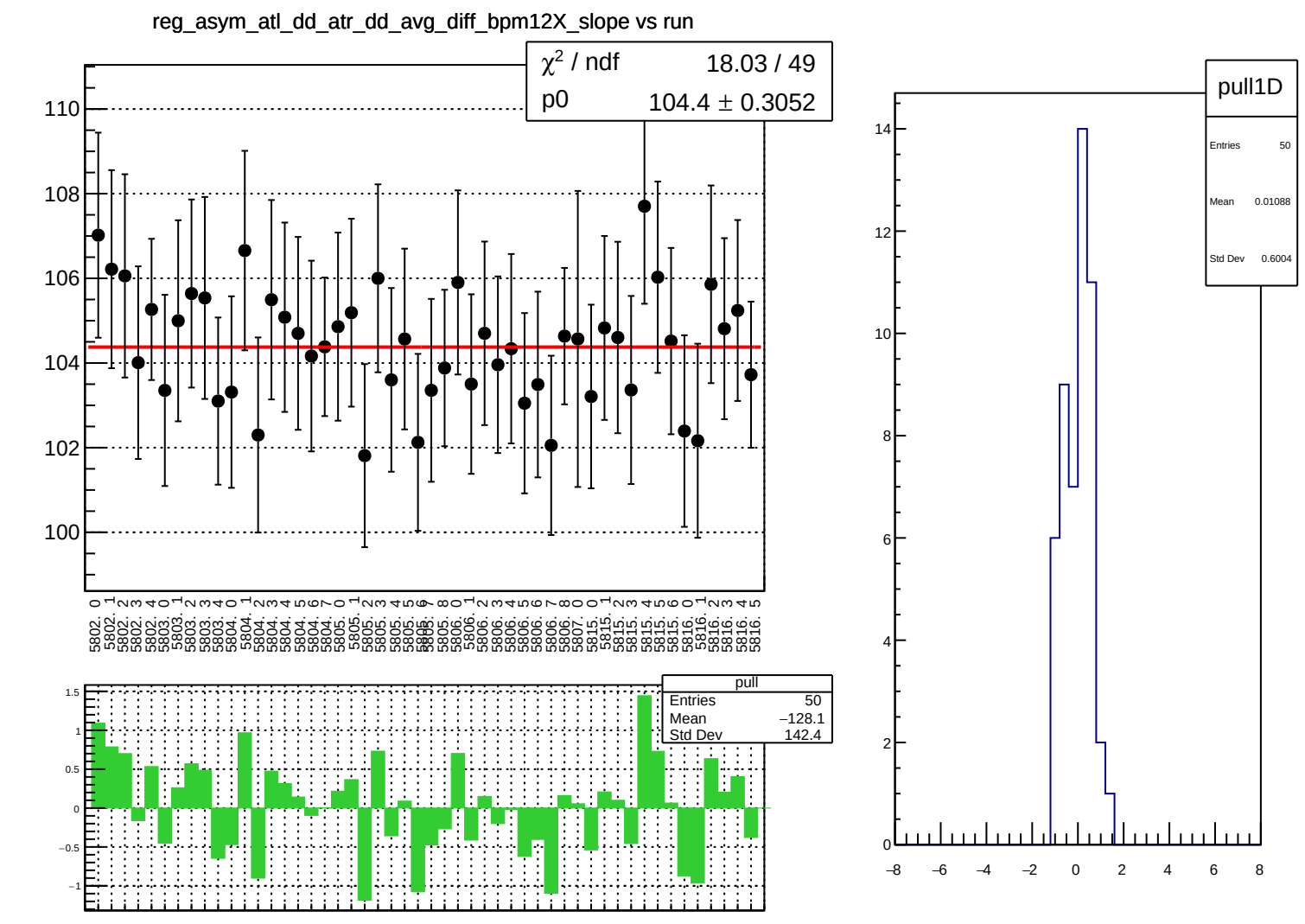

pull1D
Entries 50
Mean 0.002305
Std Dev 0.4918

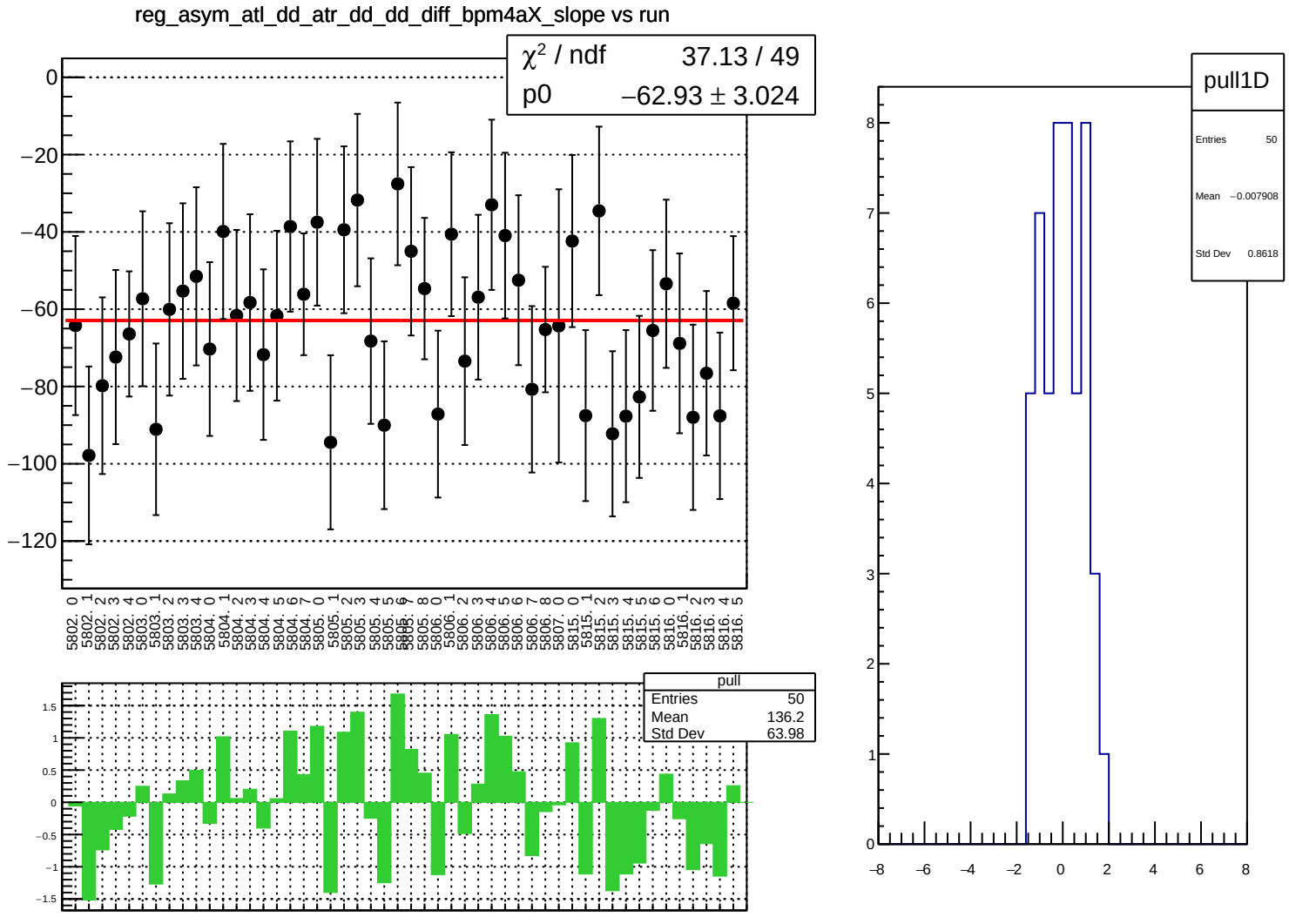

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.7 / 49
p0 −336.5 ± 6.556
pull
Entries 50
Mean −237
Std Dev 254.8

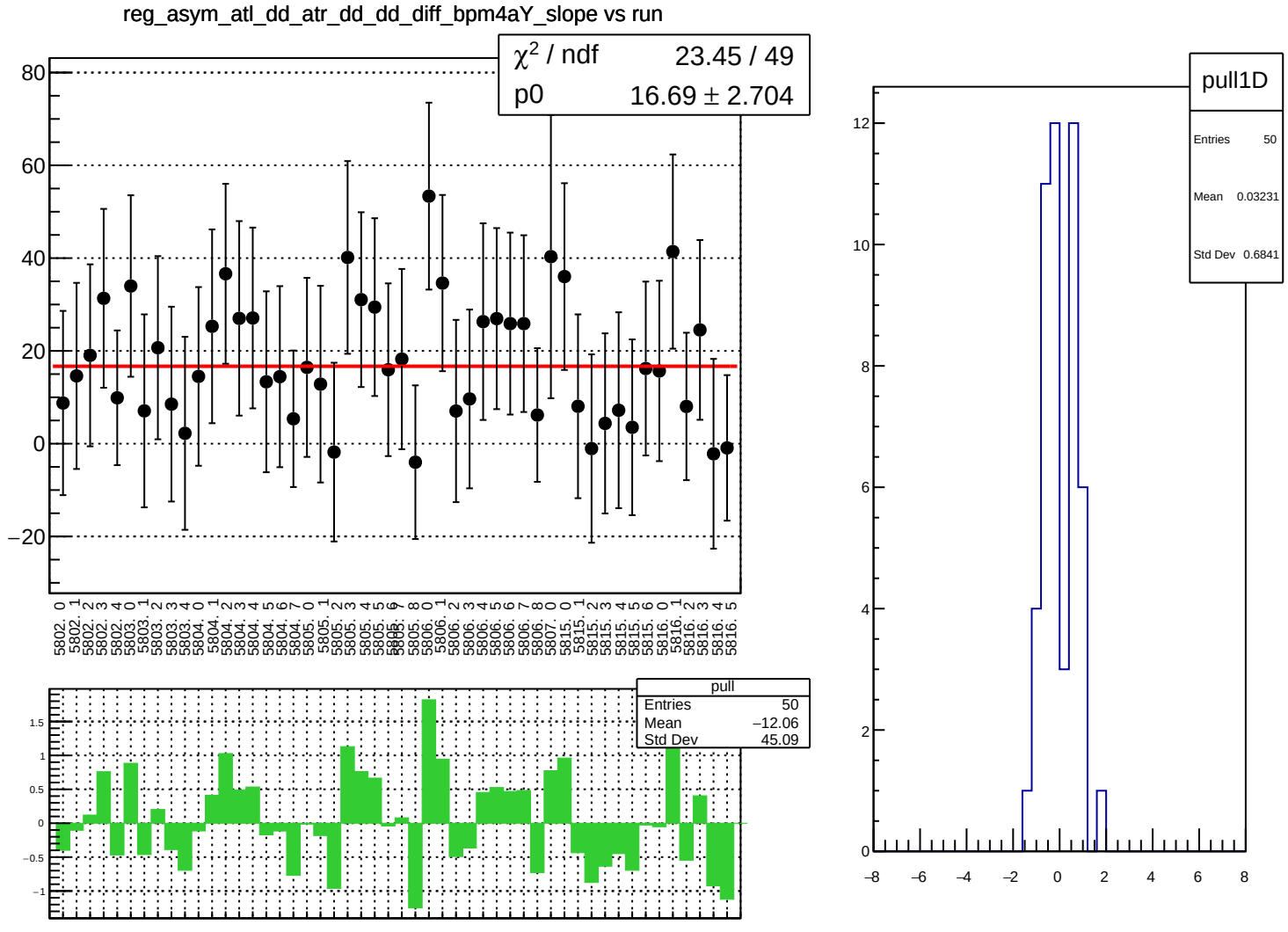

pull1D
Entries 50
Mean −0.004927
Std Dev 0.4625

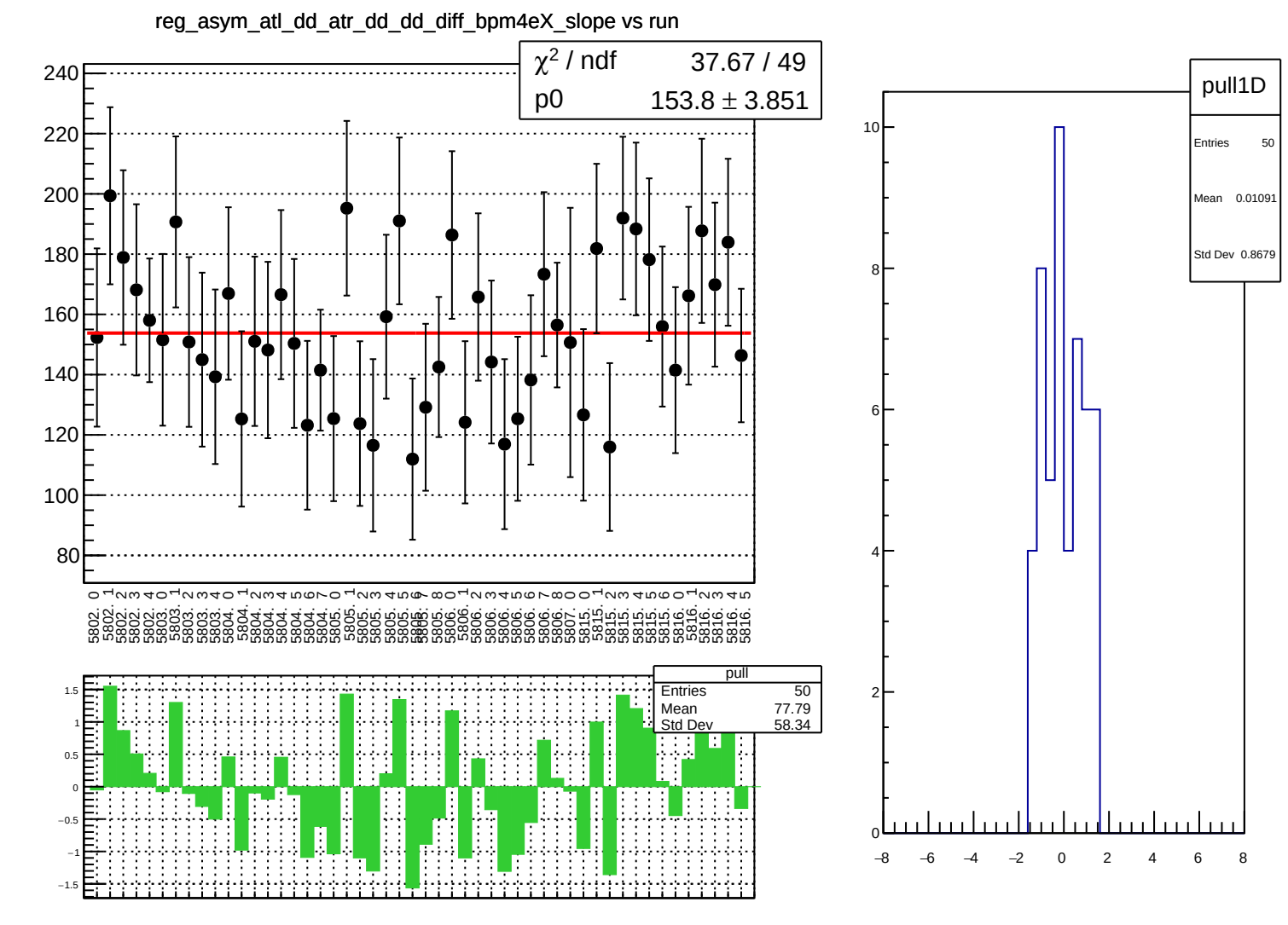

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.67 / 49
p0 −52.73 ± 5.034
pull
Entries 50
Mean 286.9
Std Dev 246.4

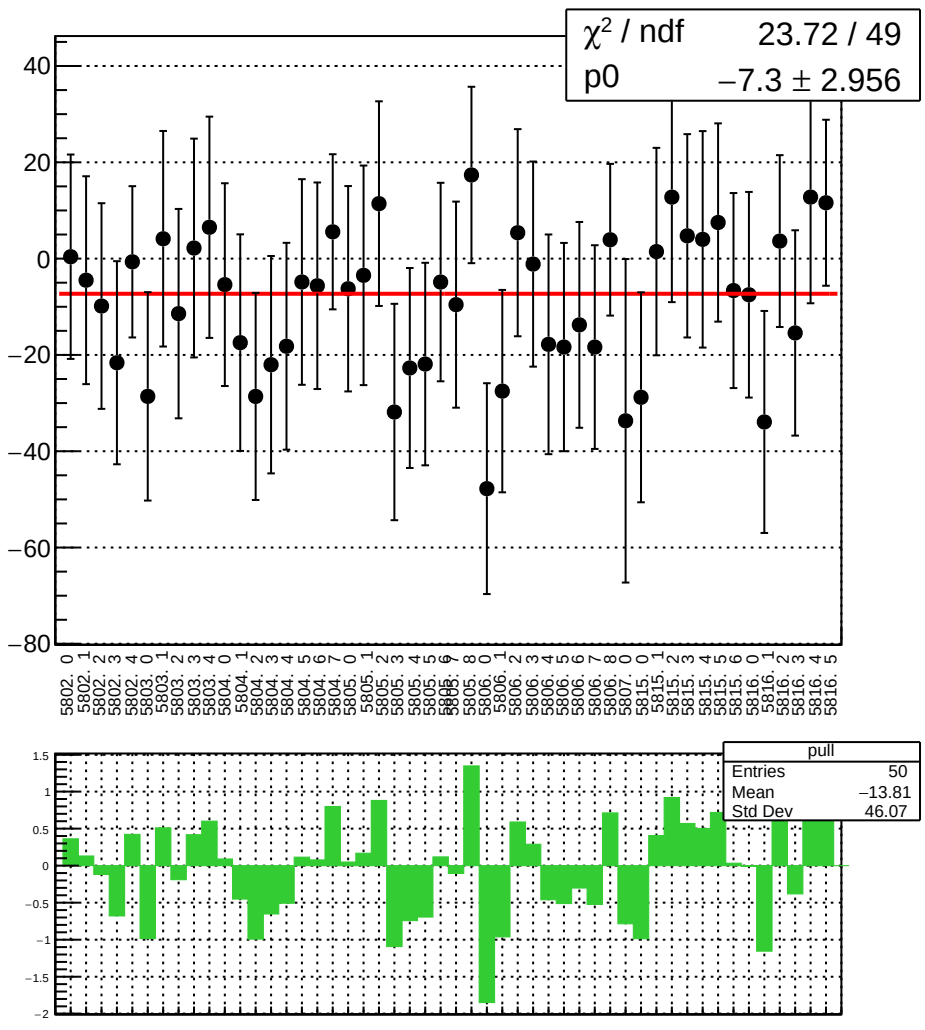

pull1D
Entries 50
Mean −0.002538
Std Dev 0.4831

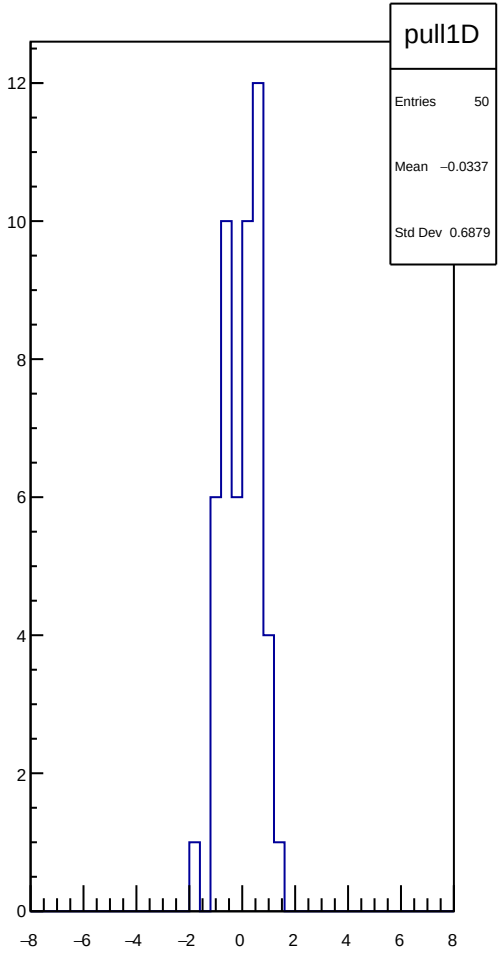

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 18.03 / 49
p0 104.4 ± 0.3052
110
108
106
104
102
100
pull
Entries 50
Mean −128.1
Std Dev 142.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.01088
Std Dev 0.6004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

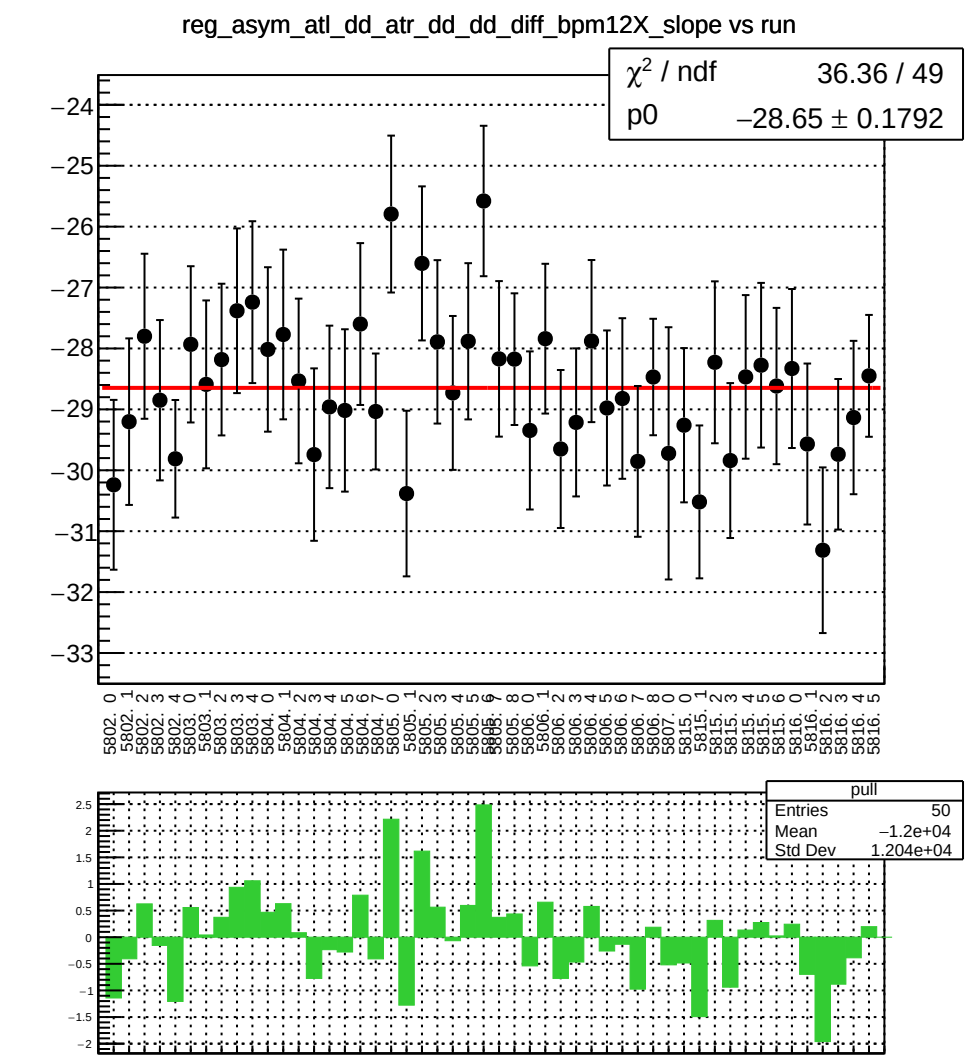

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.13 / 49
p0 −62.93 ± 3.024
0
−20
−40
−60
−80
−100
−120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
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

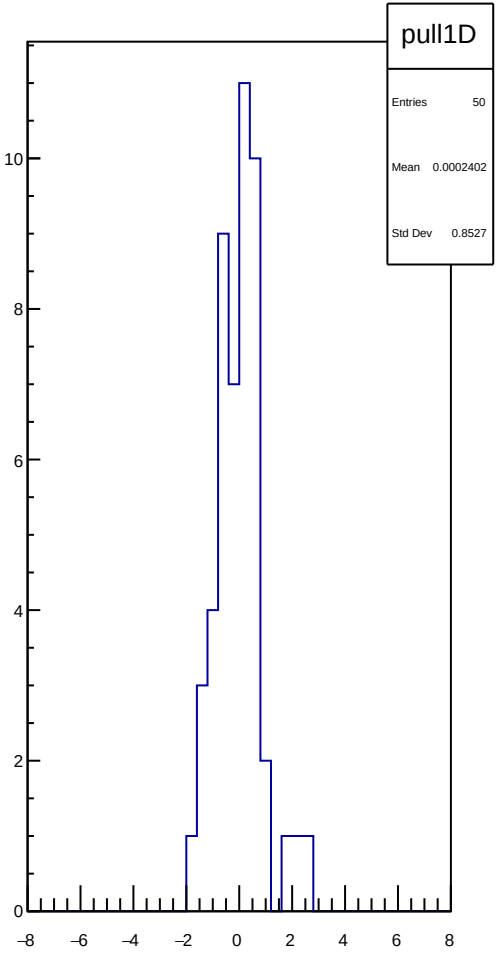

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.45 / 49
p0 16.69 ± 2.704
pull
Entries 50
Mean −12.06
Std Dev 45.09
pull1D
Entries 50
Mean 0.03231
Std Dev 0.6841

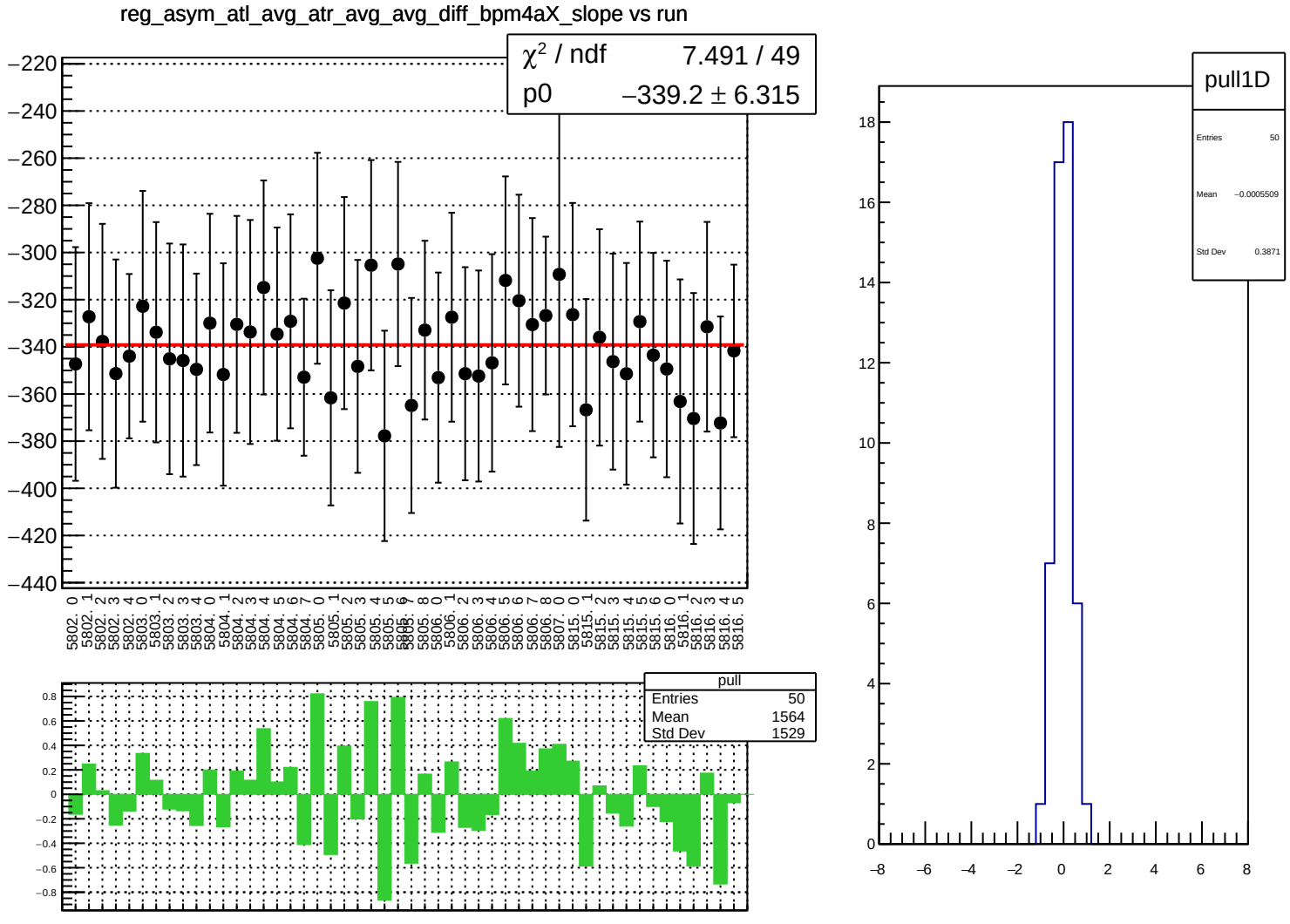

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.67 / 49
p0 153.8 ± 3.851
240
220
200
180
160
140
120
100
80
pull
Entries 50
Mean 77.79
Std Dev 58.34
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01091
Std Dev 0.8679
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

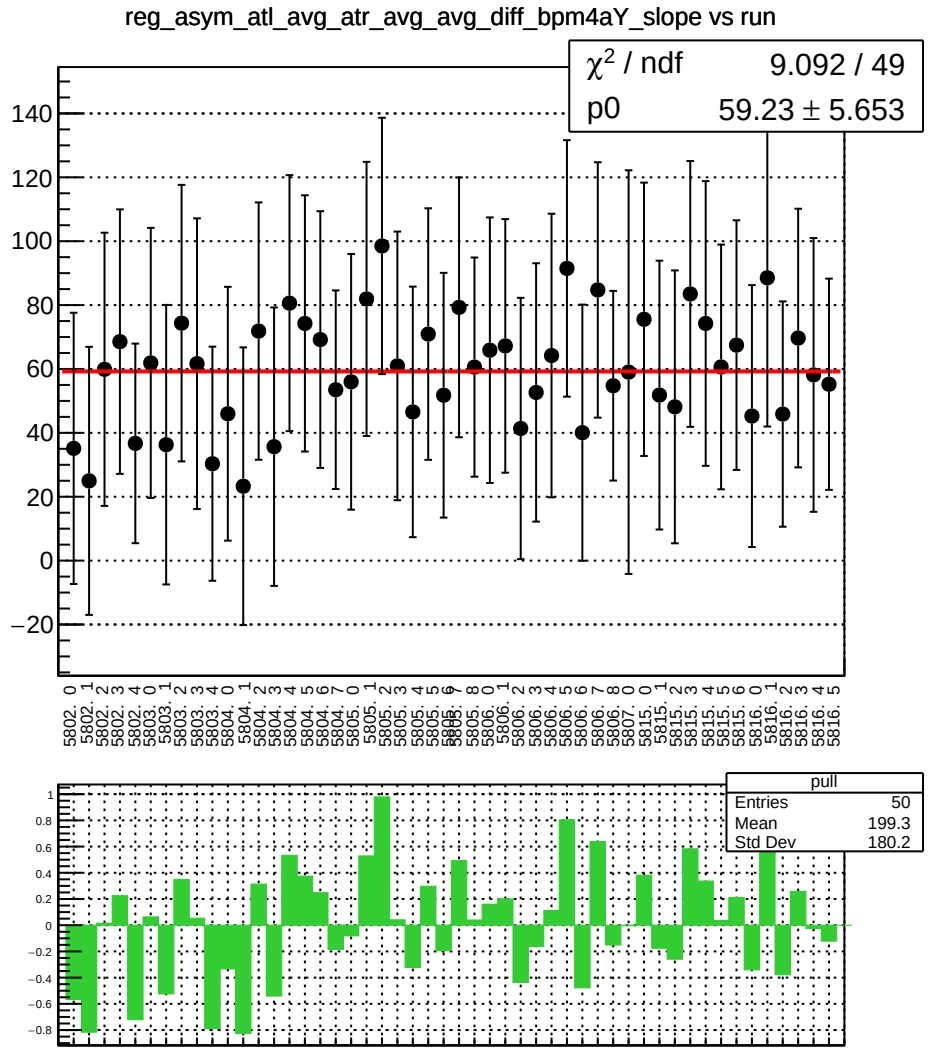

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.72 / 49
p0 −7.3 ± 2.956
pull
Entries 50
Mean −13.81
Std Dev 46.07

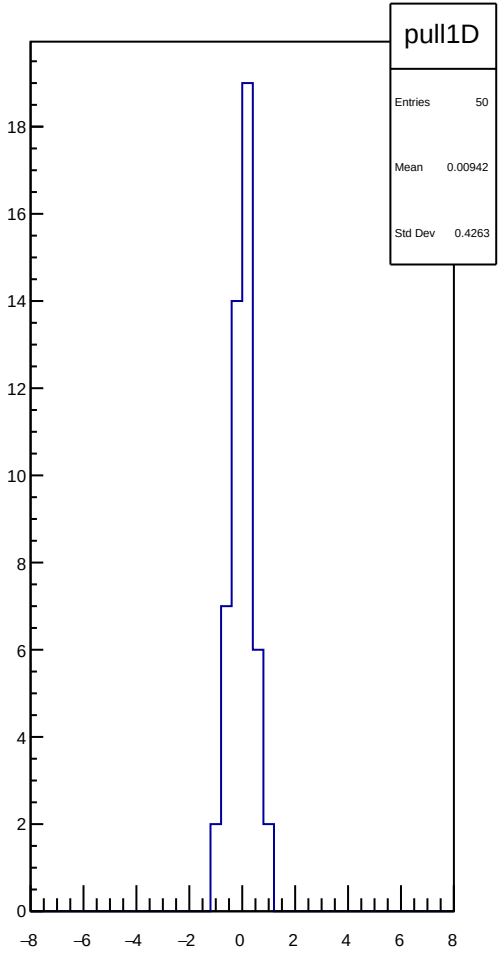

pull1D
Entries 50
Mean −0.0337
Std Dev 0.6879

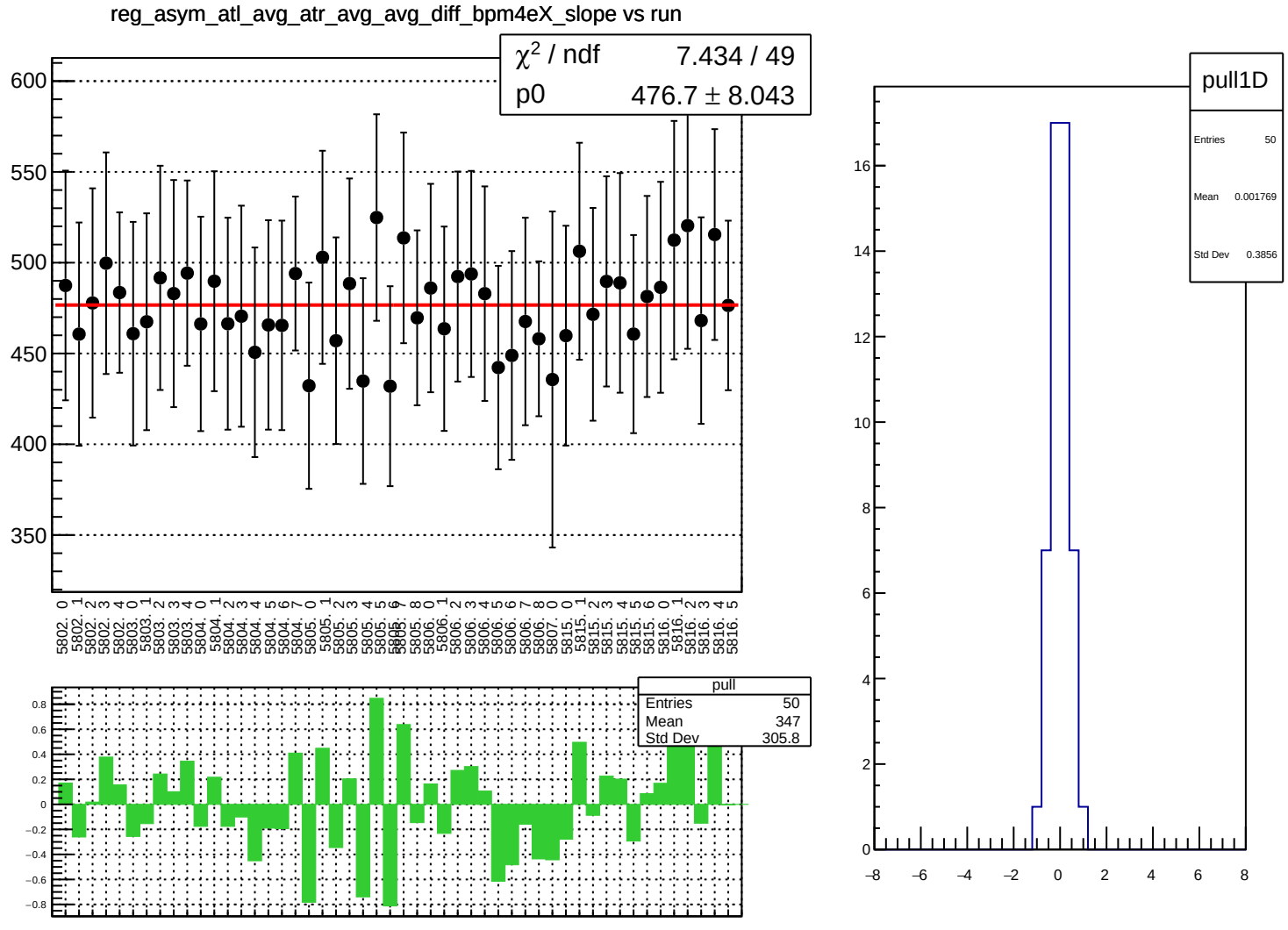

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 36.36 / 49
p0 −28.65 ± 0.1792
pull
Entries 50
Mean −1.2e+04
Std Dev 1.204e+04

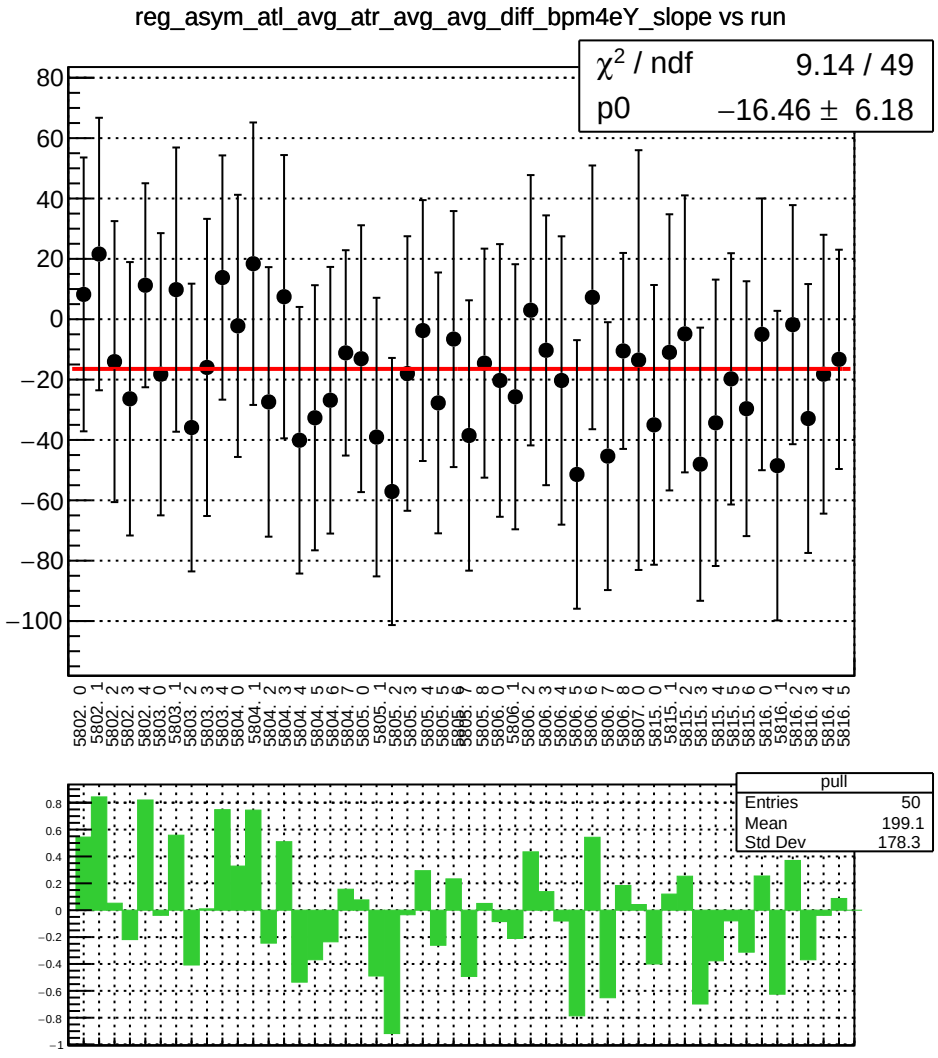

pull1D
Entries 50
Mean 0.0002402
Std Dev 0.8527

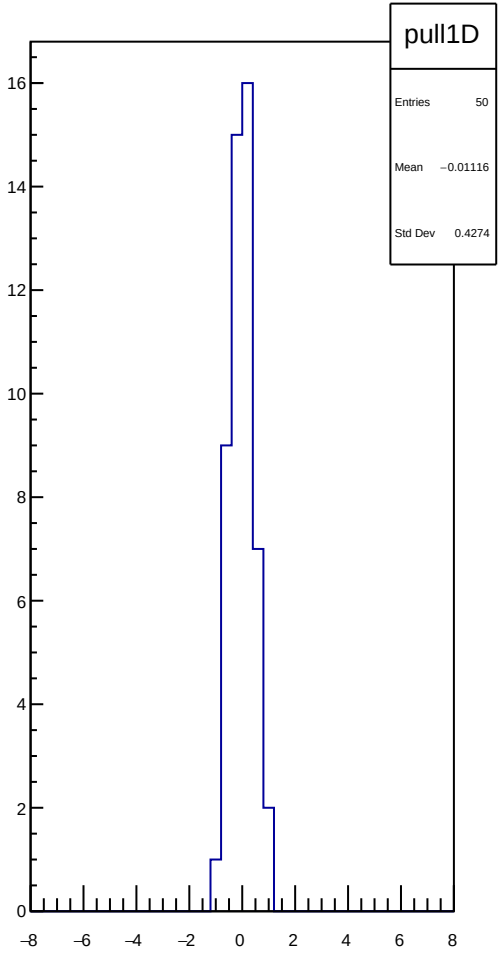

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.491 / 49
p0 −339.2 ± 6.315
pull
Entries 50
Mean 1564
Std Dev 1529
pull1D
Entries 50
Mean −0.0005509
Std Dev 0.3871

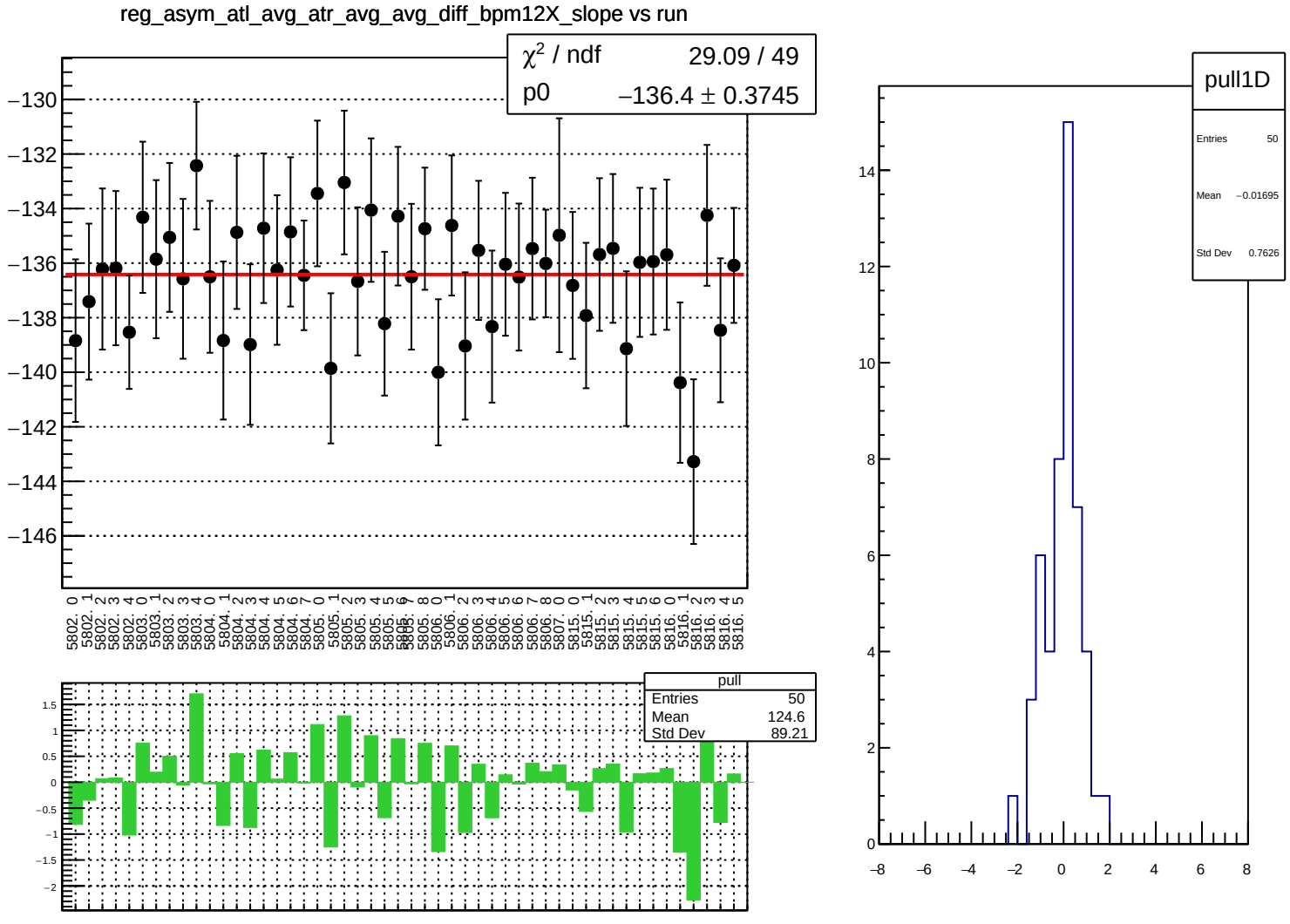

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.092 / 49
p0 59.23 ± 5.653
pull
Entries 50
Mean 199.3
Std Dev 180.2

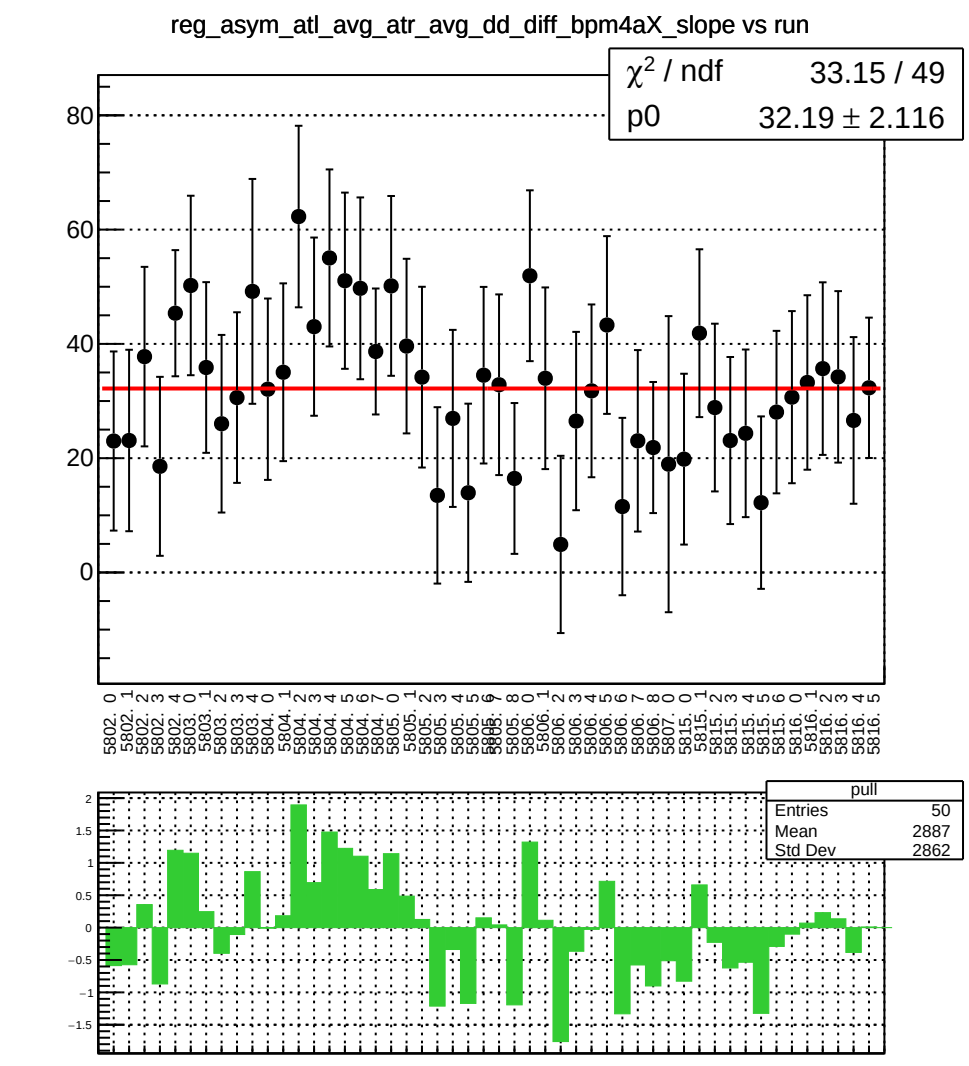

pull1D
Entries 50
Mean 0.00942
Std Dev 0.4263

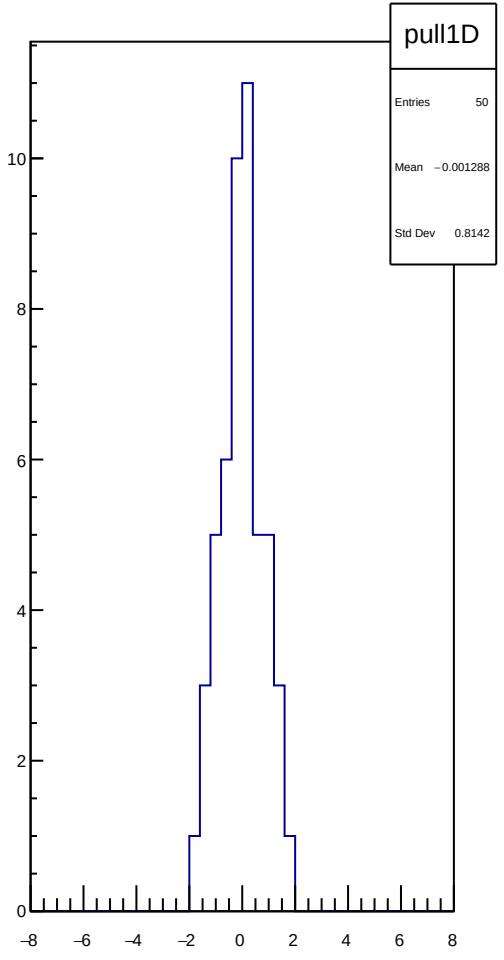

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.434 / 49
p0 476.7 ± 8.043
600
550
500
450
400
350
pull
Entries 50
Mean 347
Std Dev 305.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean 0.001769
Std Dev 0.3856
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

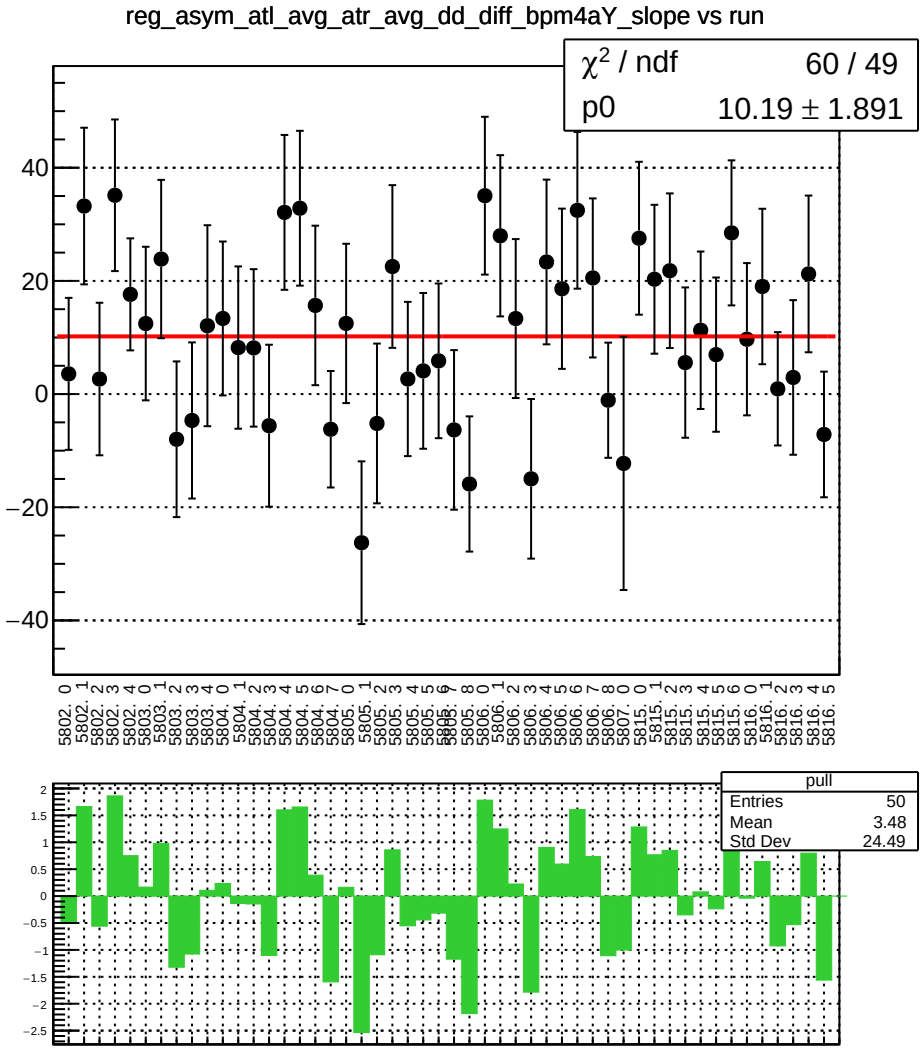

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.14 / 49
p0 −16.46 ± 6.18
pull
Entries 50
Mean 199.1
Std Dev 178.3

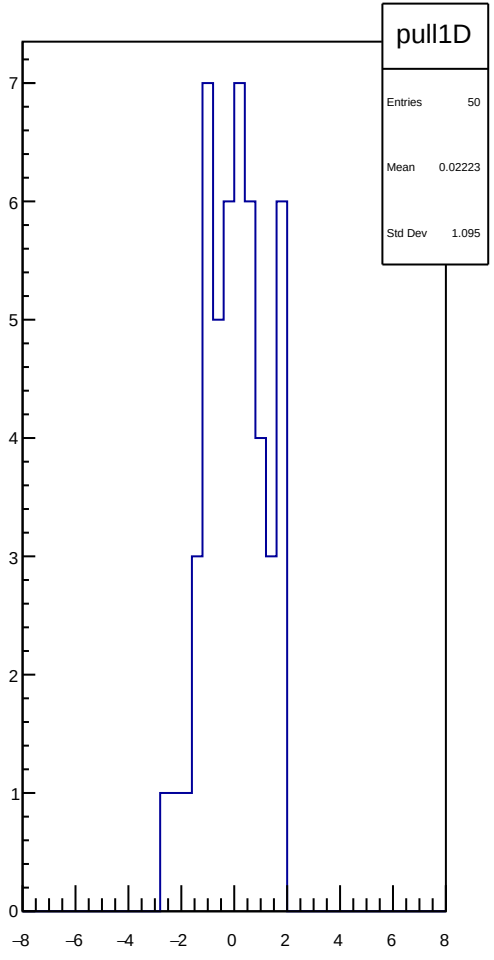

pull1D
Entries 50
Mean −0.01116
Std Dev 0.4274

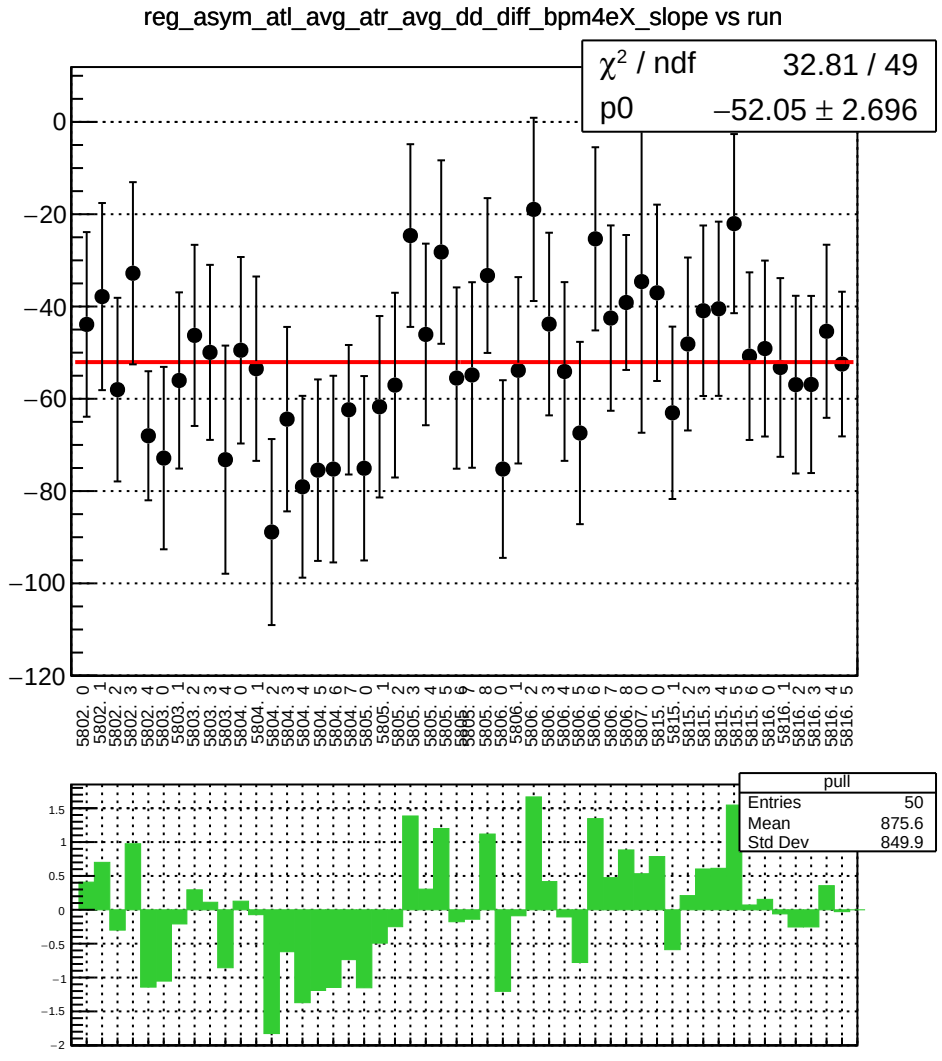

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 29.09 / 49
p0 −136.4 ± 0.3745
pull
Entries 50
Mean 124.6
Std Dev 89.21
pull1D
Entries 50
Mean −0.01695
Std Dev 0.7626

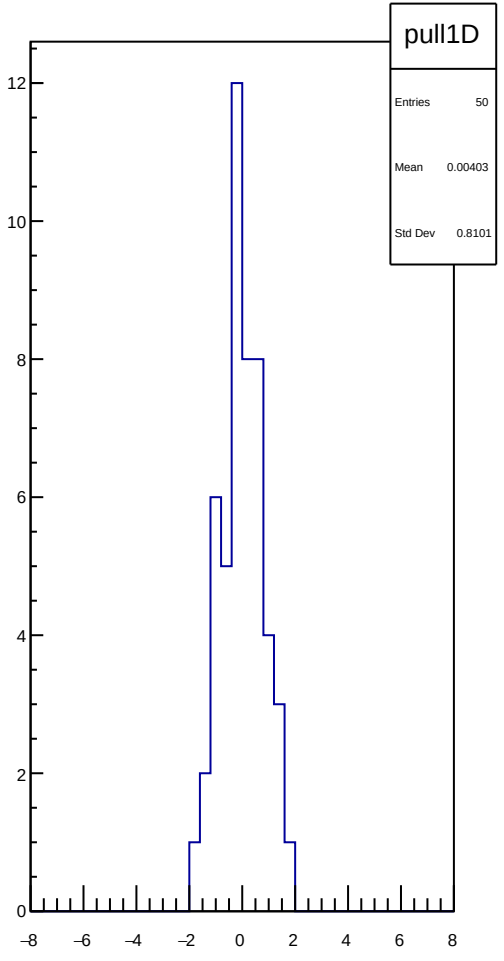

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 33.15 / 49
p0 32.19 ± 2.116
pull
Entries 50
Mean 2887
Std Dev 2862

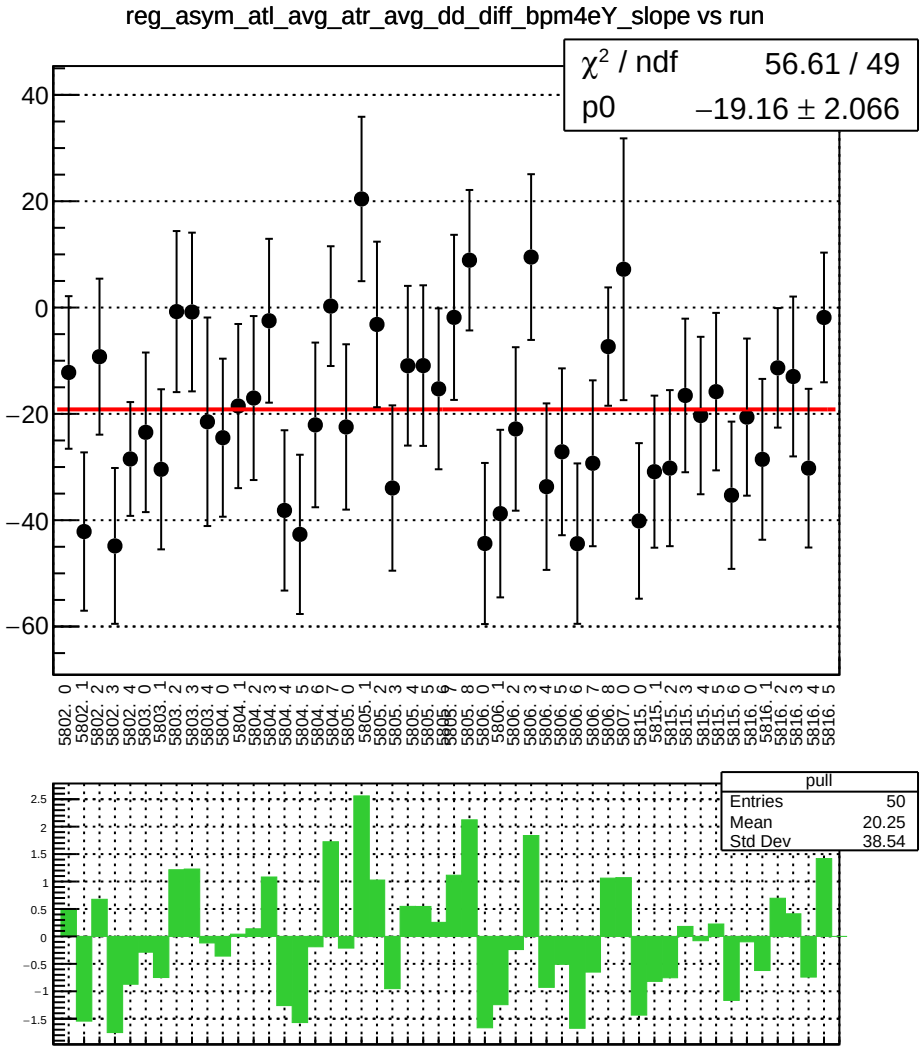

pull1D
Entries 50
Mean −0.001288
Std Dev 0.8142

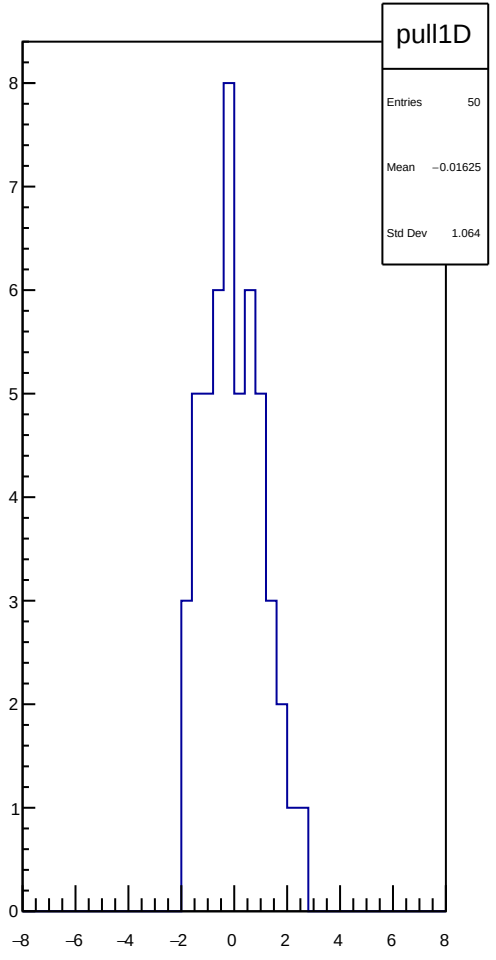

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 60 / 49
p0 10.19 ± 1.891
pull
Entries 50
Mean 3.48
Std Dev 24.49

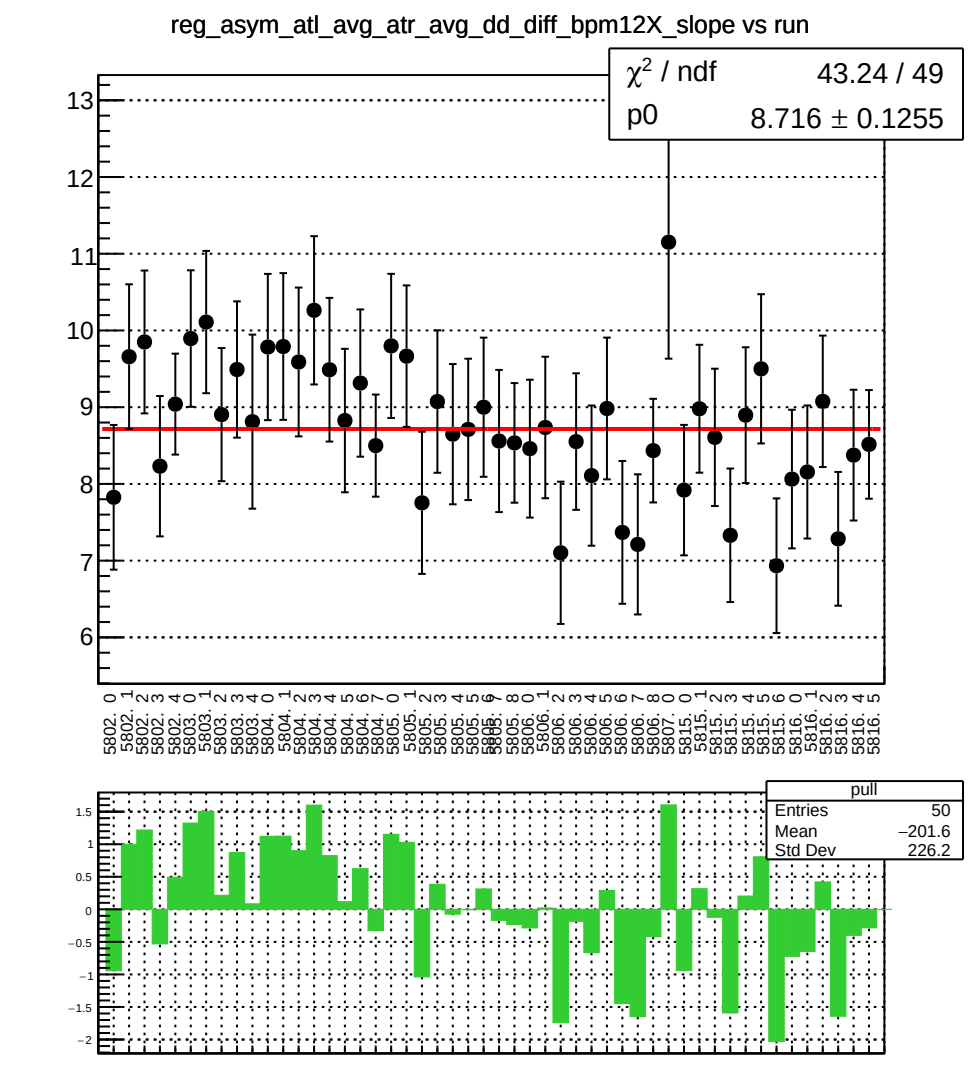

pull1D
Entries 50
Mean 0.02223
Std Dev 1.095

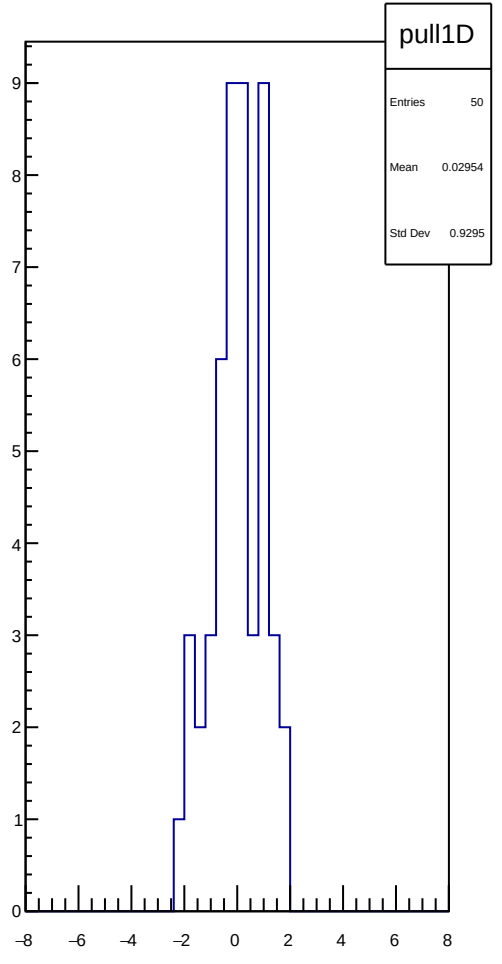

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.81 / 49
p0 −52.05 ± 2.696
pull
Entries 50
Mean 875.6
Std Dev 849.9

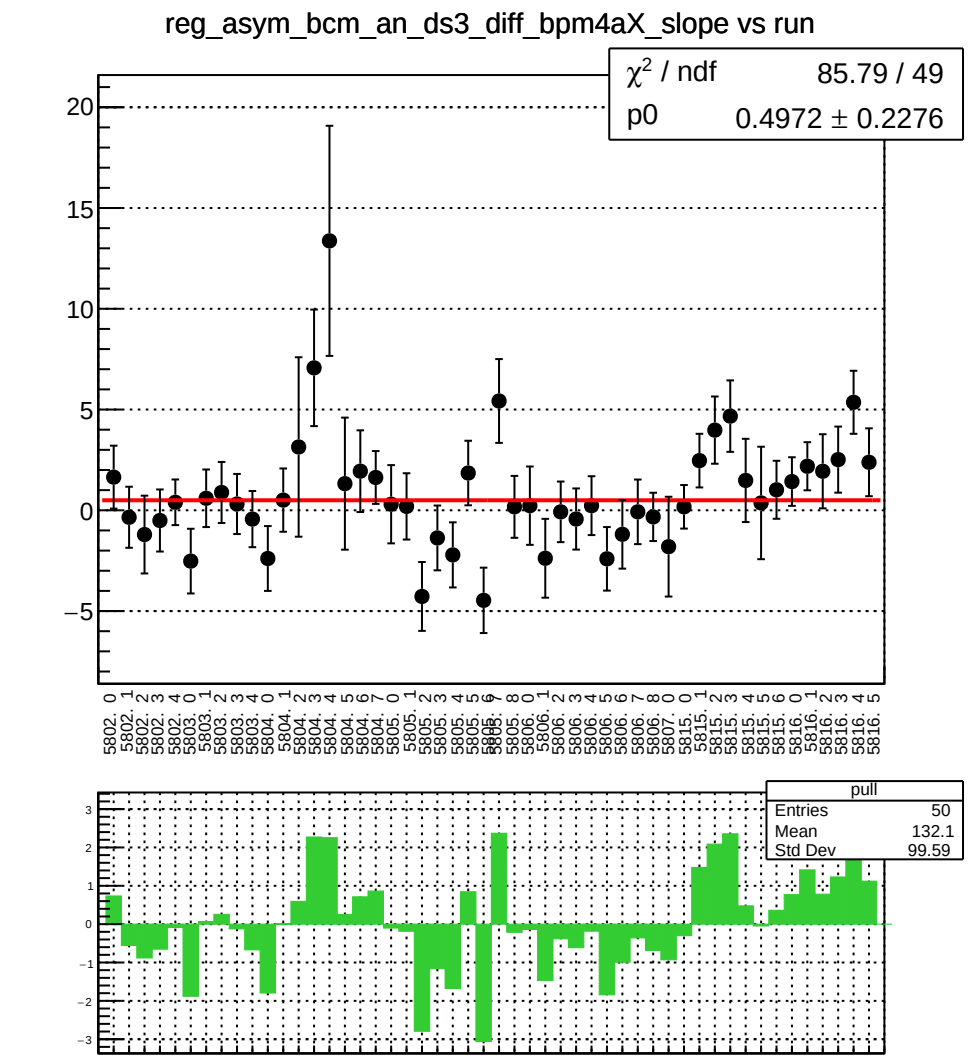

pull1D
Entries 50
Mean 0.00403
Std Dev 0.8101

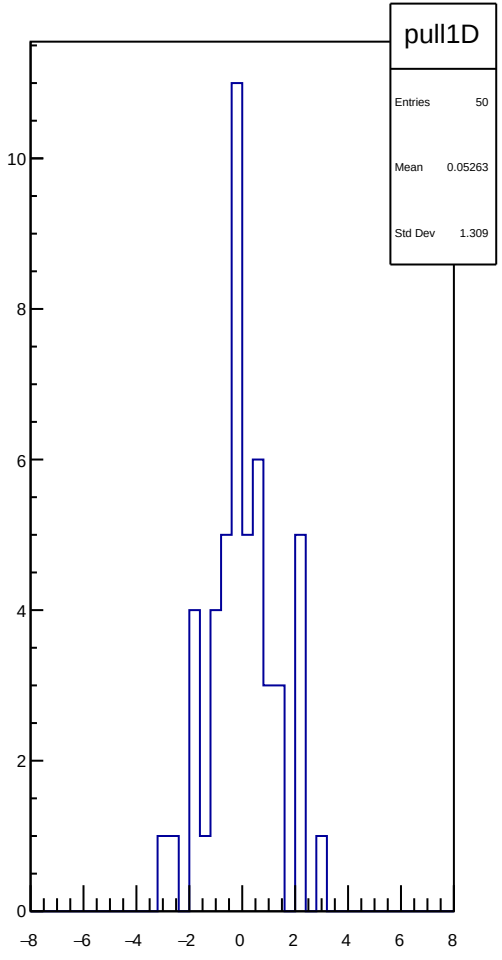

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.61 / 49
p0 −19.16 ± 2.066
pull
Entries 50
Mean 20.25
Std Dev 38.54

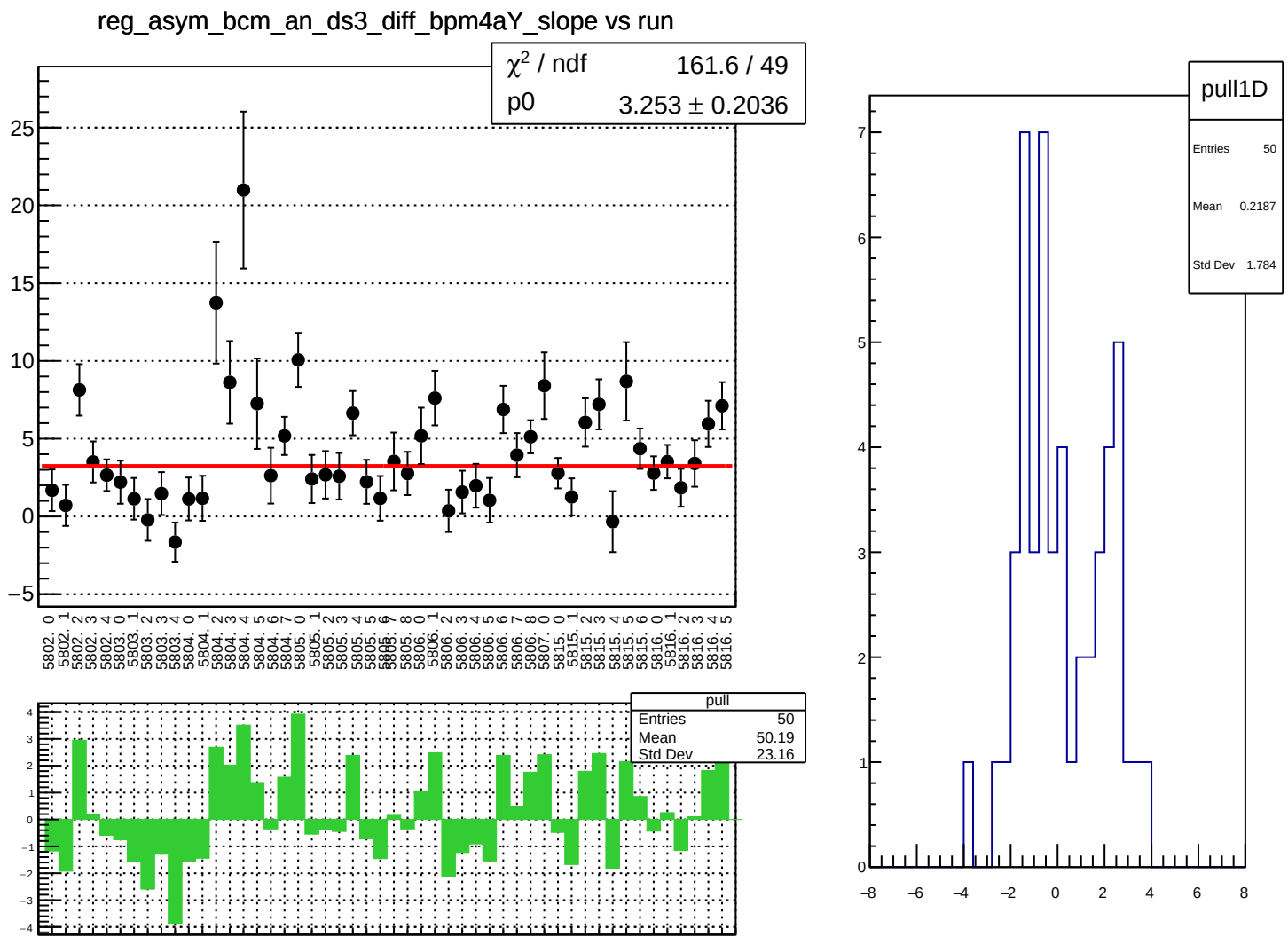

pull1D
Entries 50
Mean −0.01625
Std Dev 1.064

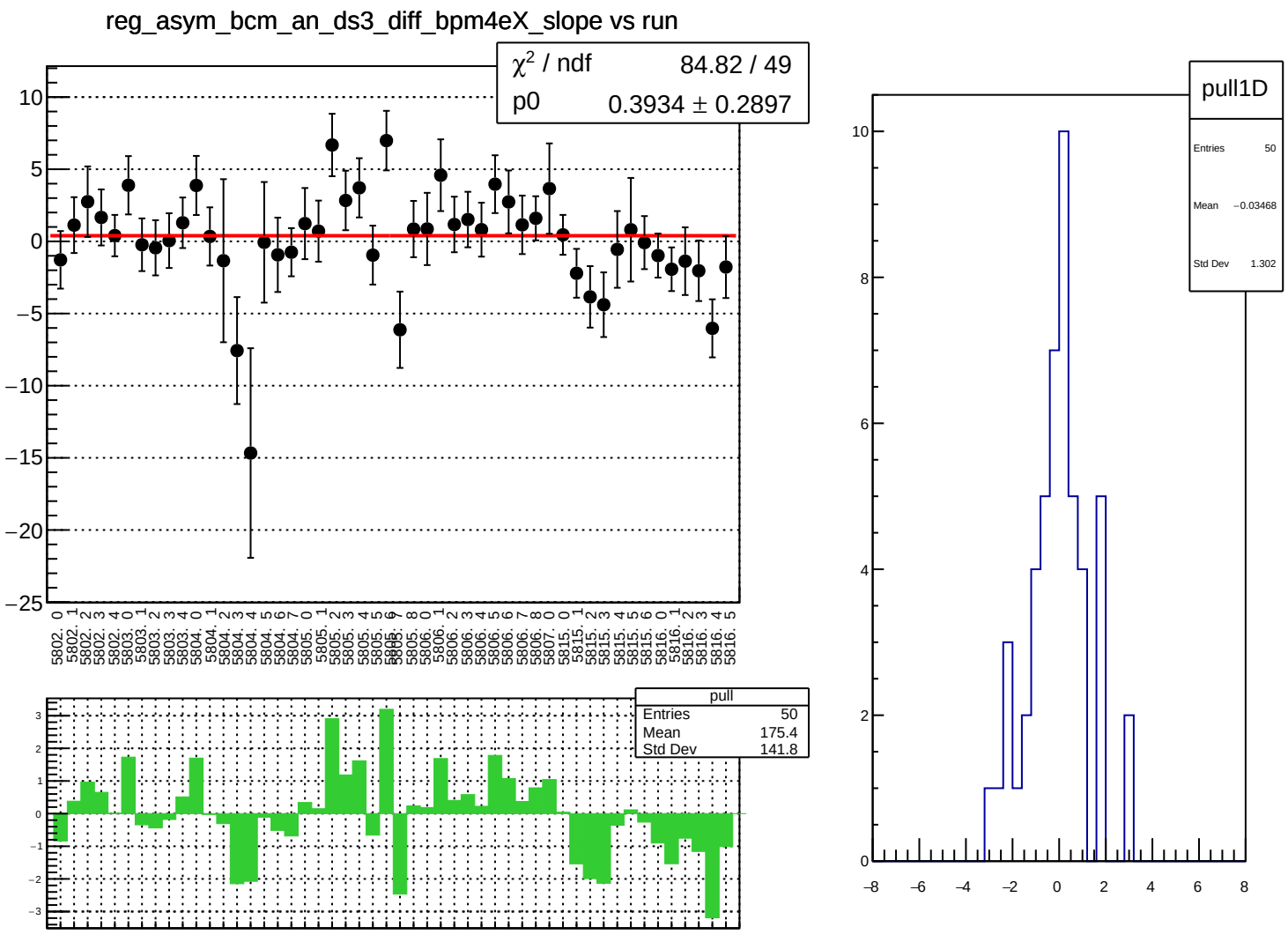

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 43.24 / 49
p0 8.716 ± 0.1255
pull
Entries 50
Mean −201.6
Std Dev 226.2

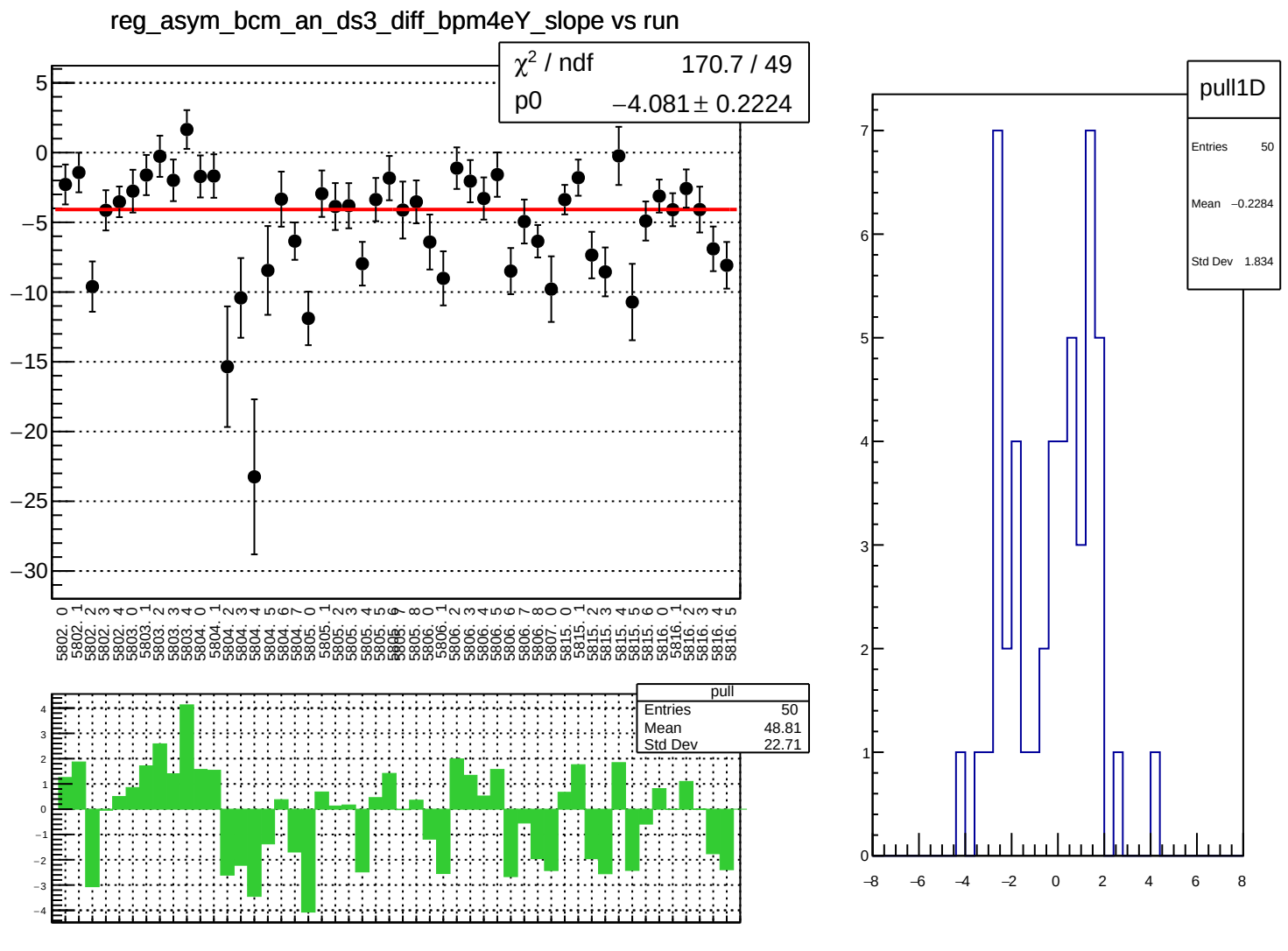

pull1D
Entries 50
Mean 0.02954
Std Dev 0.9295

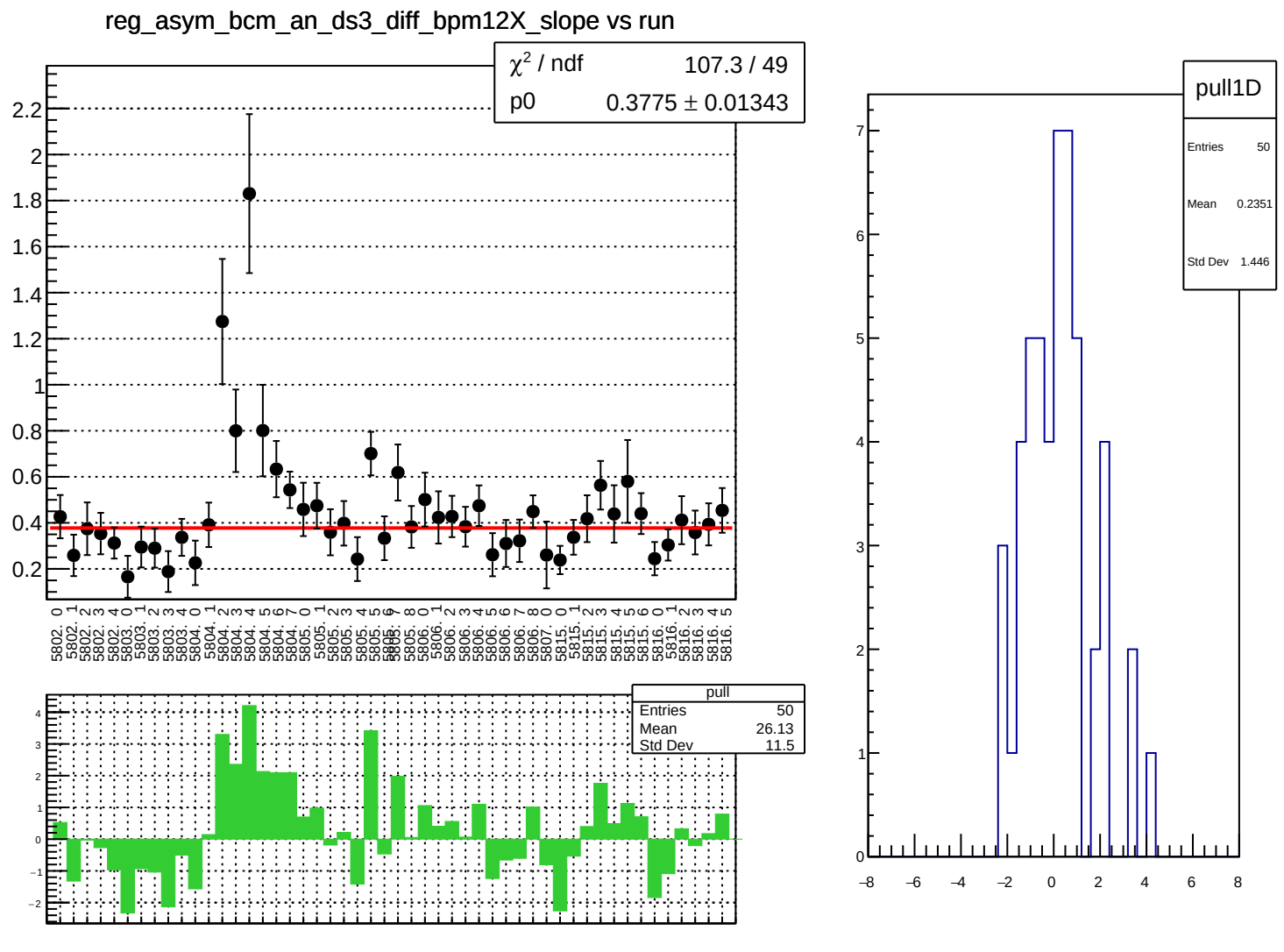

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 85.79 / 49
p0 0.4972 ± 0.2276
pull
Entries 50
Mean 132.1
Std Dev 99.59

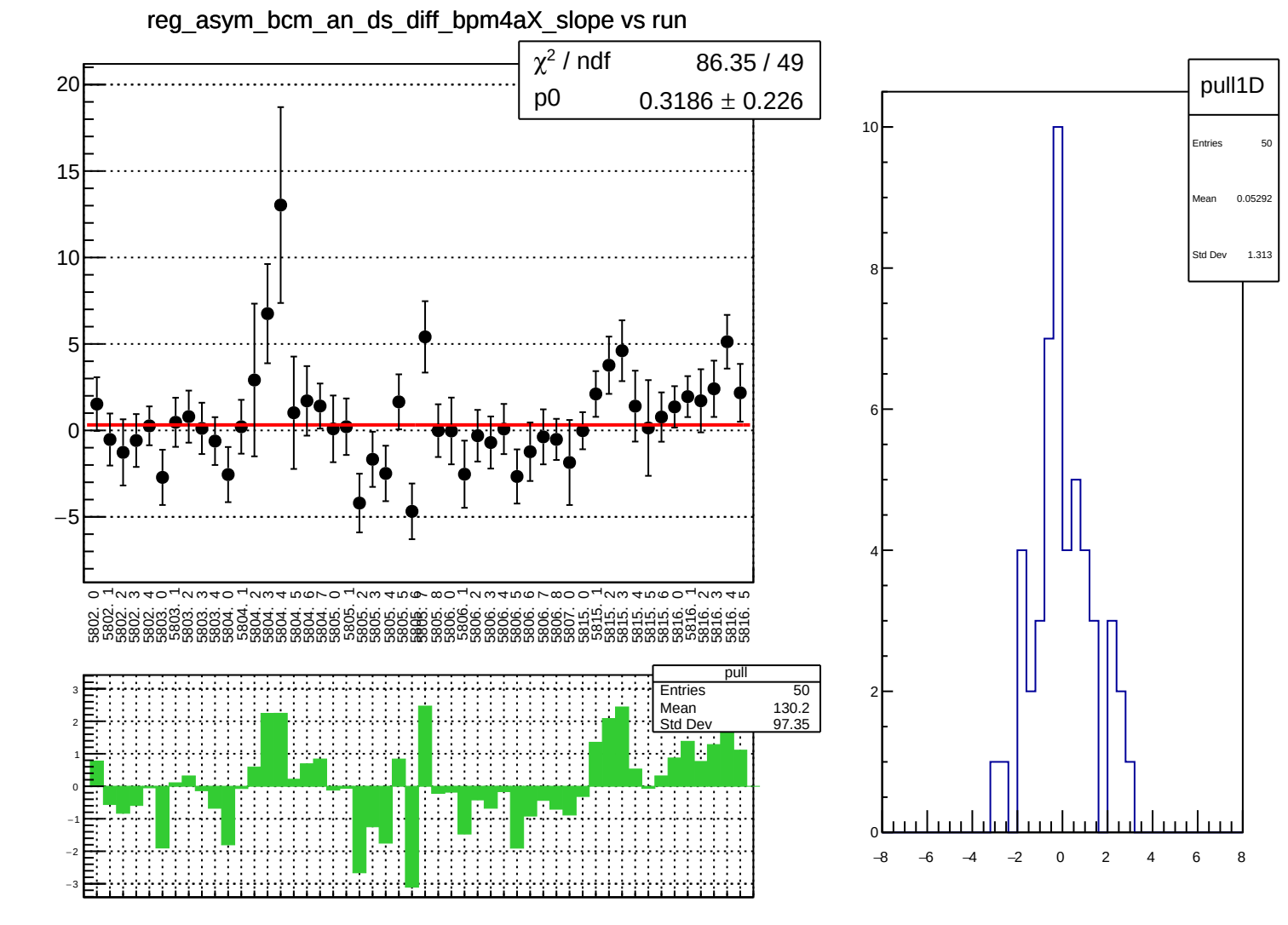

pull1D
Entries 50
Mean 0.05263
Std Dev 1.309

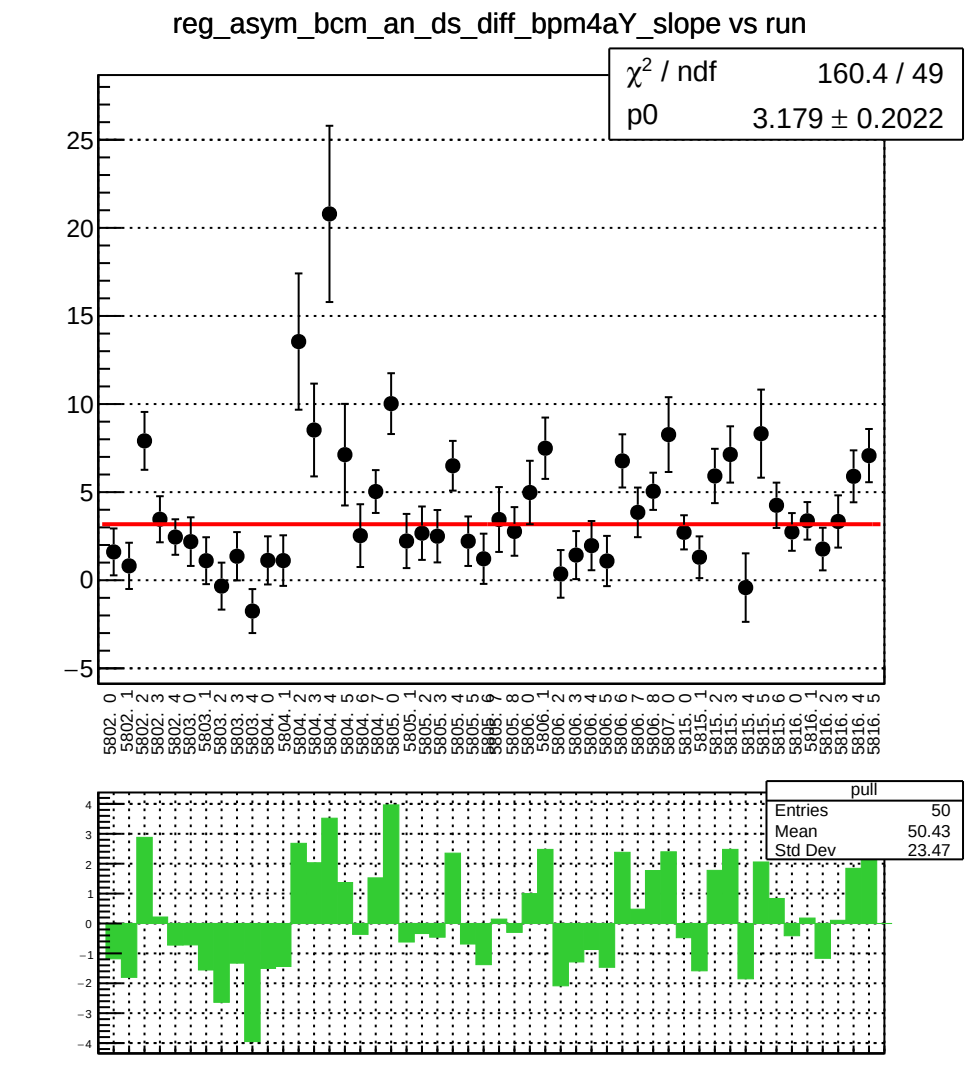

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 161.6 / 49
p0 3.253 ± 0.2036
pull
Entries 50
Mean 50.19
Std Dev 23.16
pull1D
Entries 50
Mean 0.2187
Std Dev 1.784

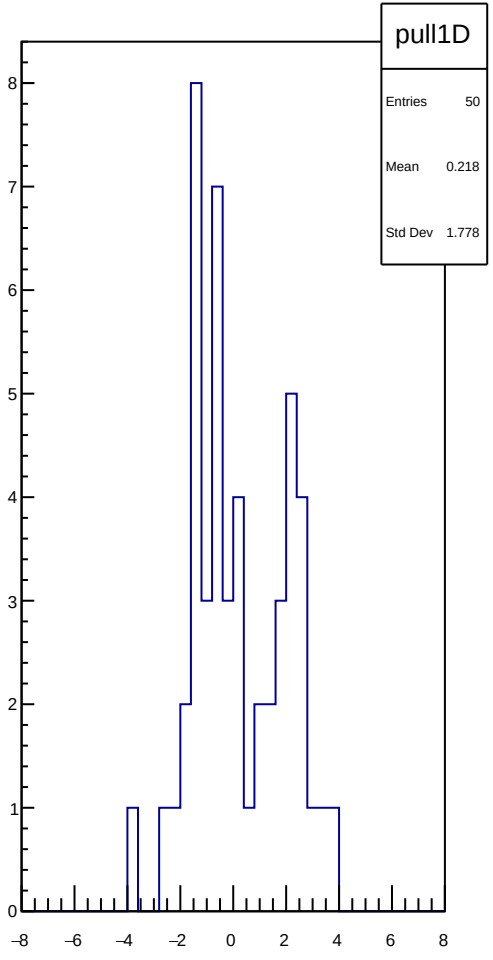

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 84.82 / 49
p0 0.3934 ± 0.2897
pull
Entries 50
Mean 175.4
Std Dev 141.8
pull1D
Entries 50
Mean −0.03468
Std Dev 1.302

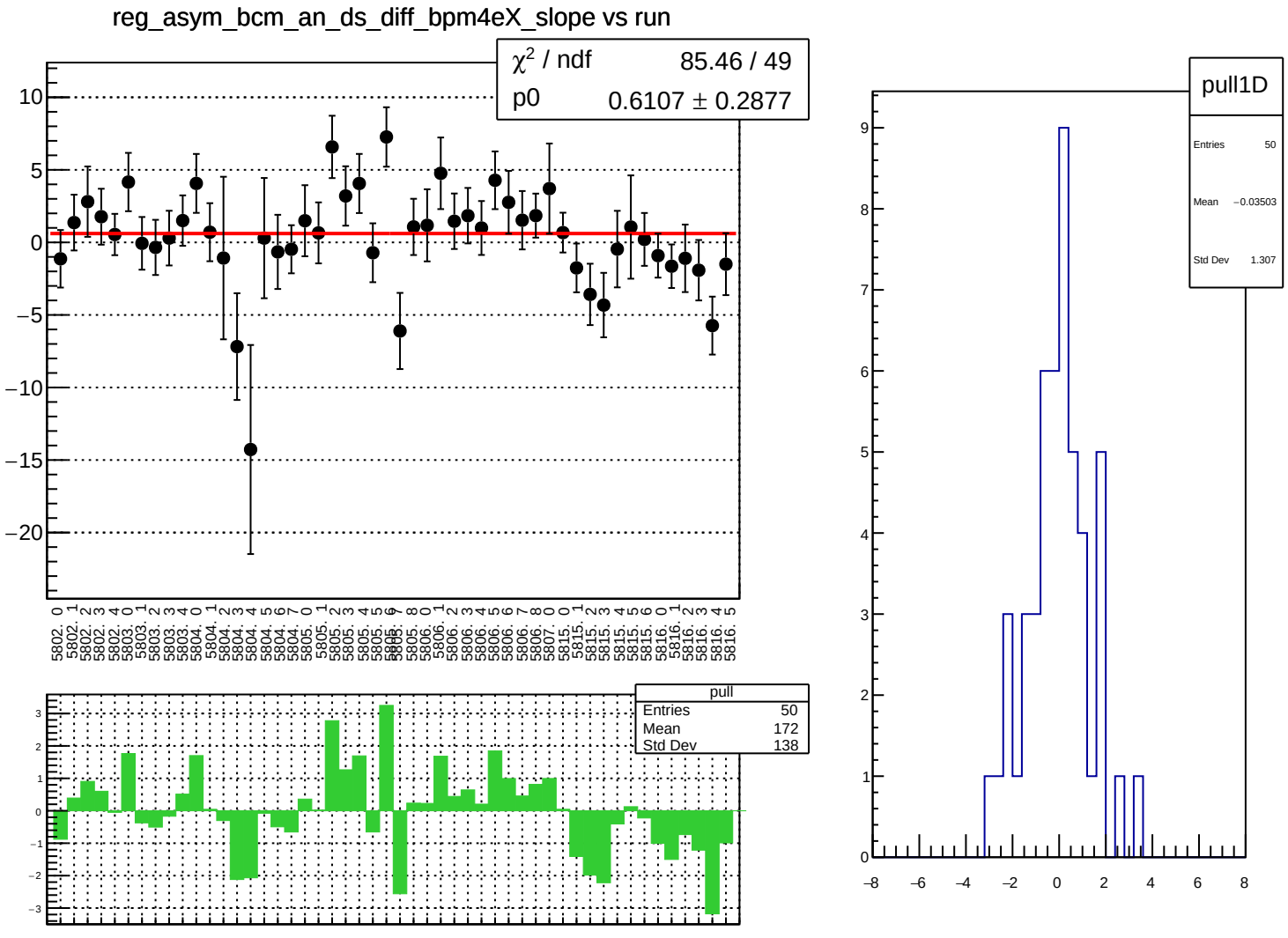

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 170.7 / 49
p0 −4.081 ± 0.2224
pull
Entries 50
Mean 48.81
Std Dev 22.71
pull1D
Entries 50
Mean −0.2284
Std Dev 1.834

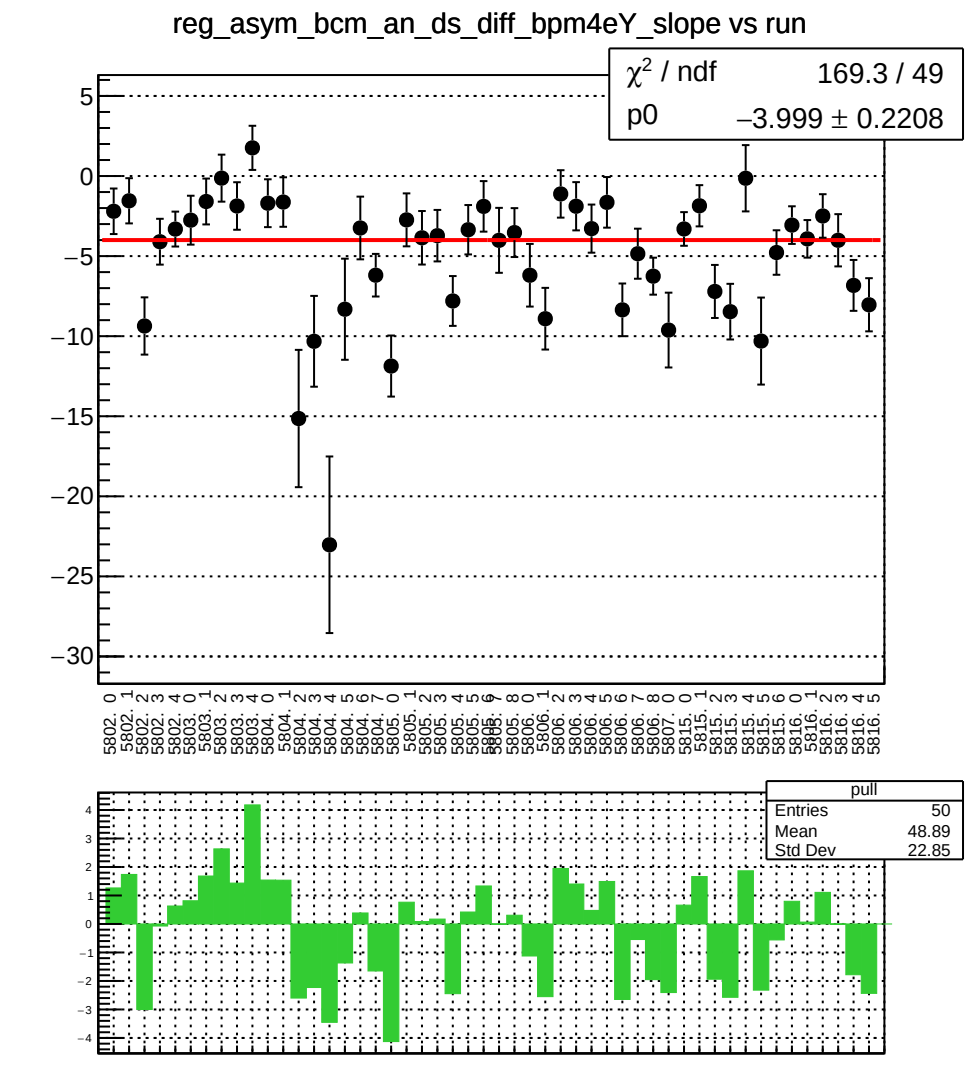

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 107.3 / 49
p0 0.3775 ± 0.01343
pull
Entries 50
Mean 26.13
Std Dev 11.5
pull1D
Entries 50
Mean 0.2351
Std Dev 1.446

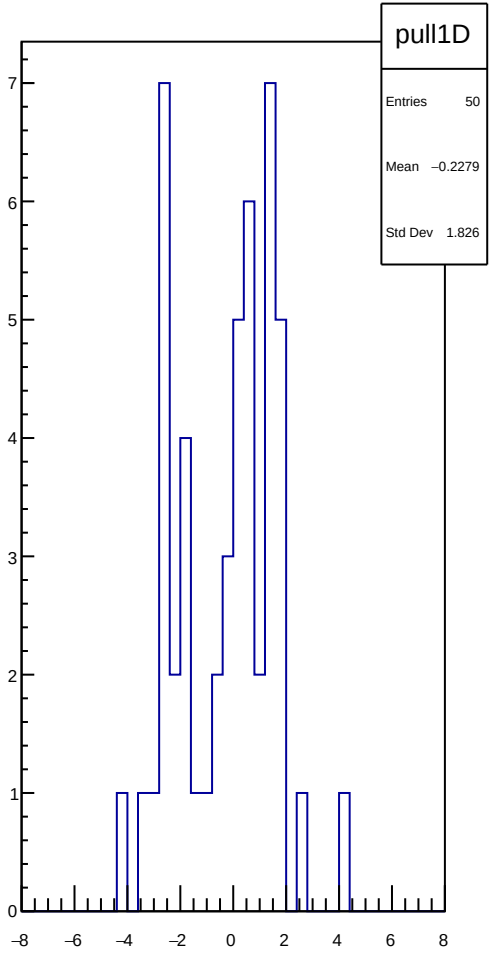

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 86.35 / 49
p0 0.3186 ± 0.226
pull
Entries 50
Mean 130.2
Std Dev 97.35
pull1D
Entries 50
Mean 0.05292
Std Dev 1.313

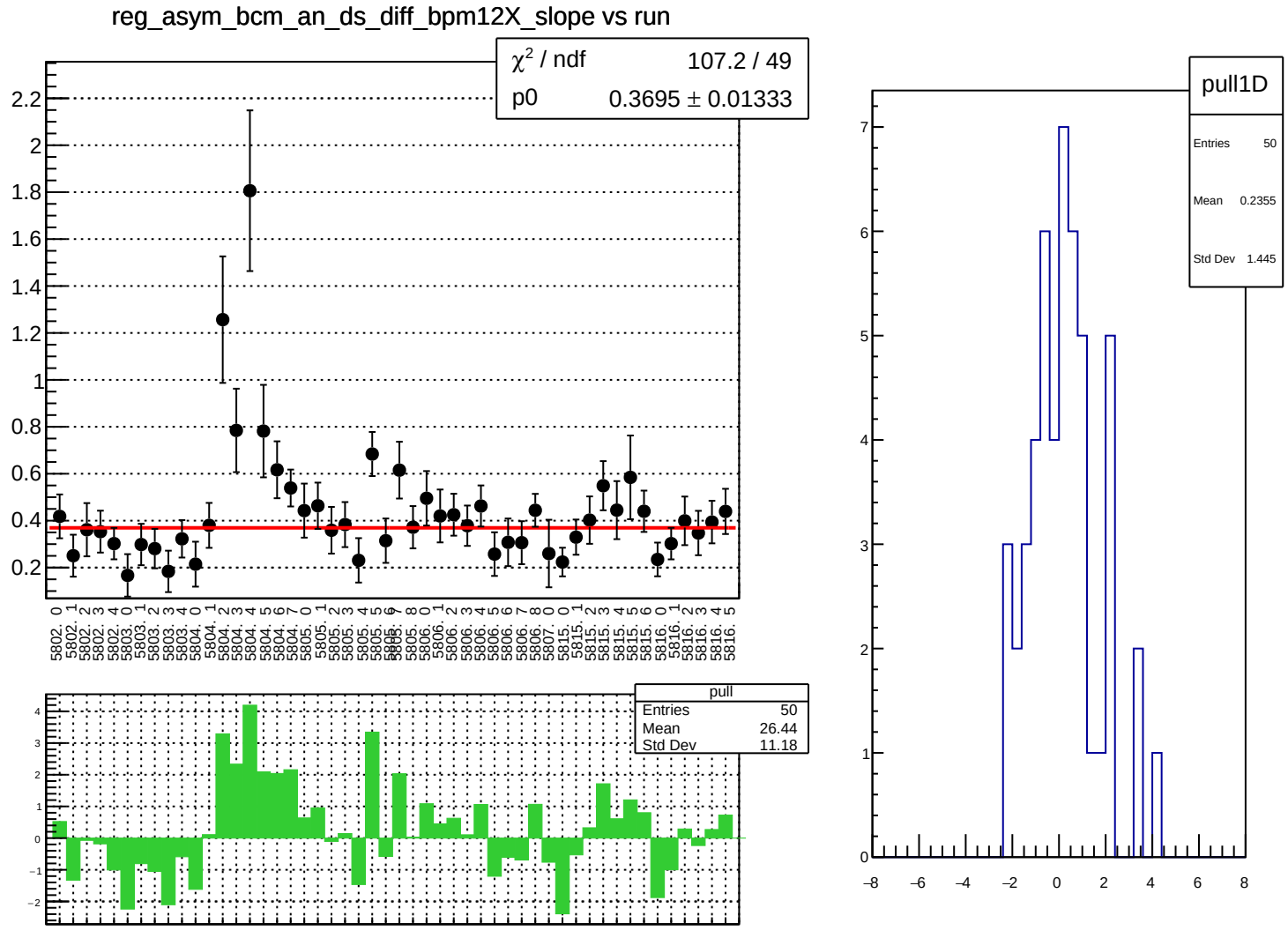

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 160.4 / 49
p0 3.179 ± 0.2022
pull
Entries 50
Mean 50.43
Std Dev 23.47

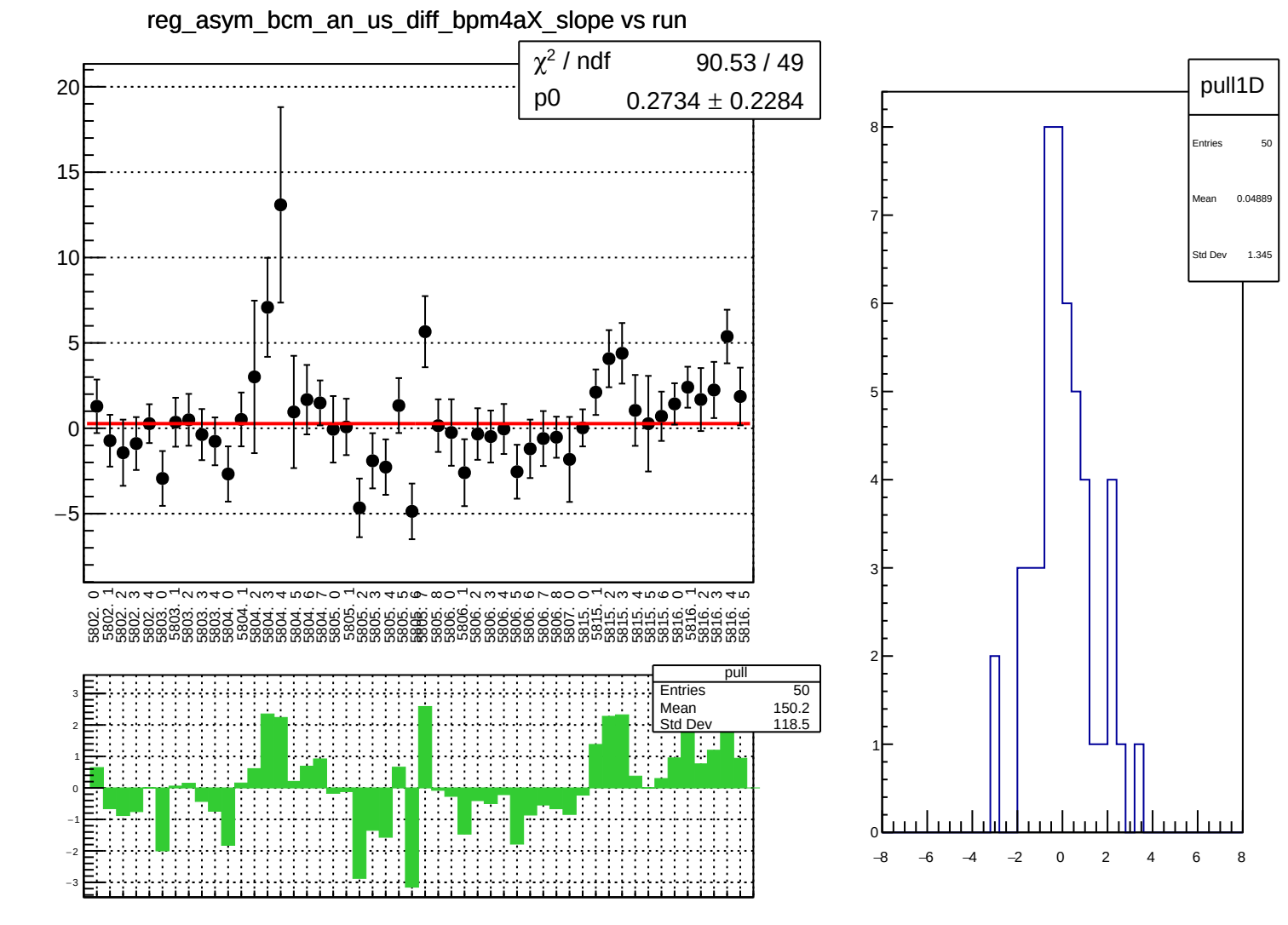

pull1D
Entries 50
Mean 0.218
Std Dev 1.778

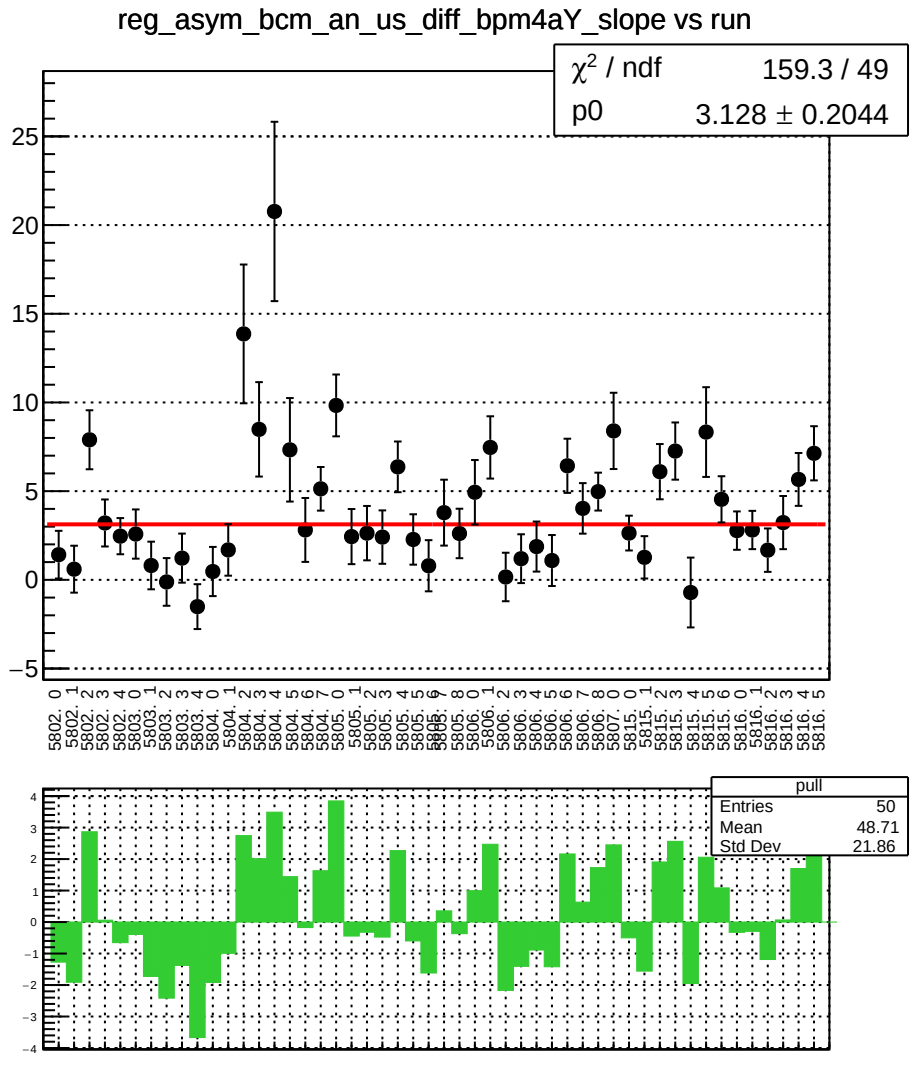

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 85.46 / 49
p0 0.6107 ± 0.2877
pull
Entries 50
Mean 172
Std Dev 138
pull1D
Entries 50
Mean −0.03503
Std Dev 1.307

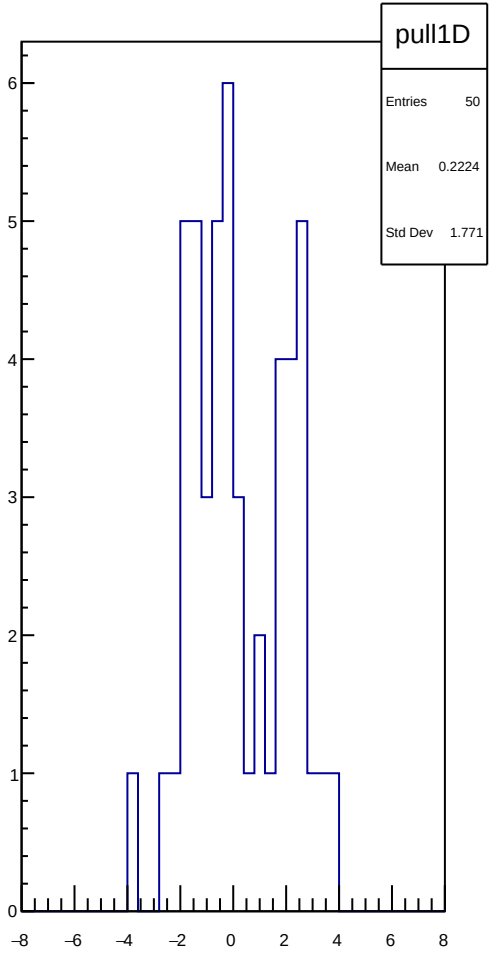

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 169.3 / 49
p0 −3.999 ± 0.2208
pull
Entries 50
Mean 48.89
Std Dev 22.85

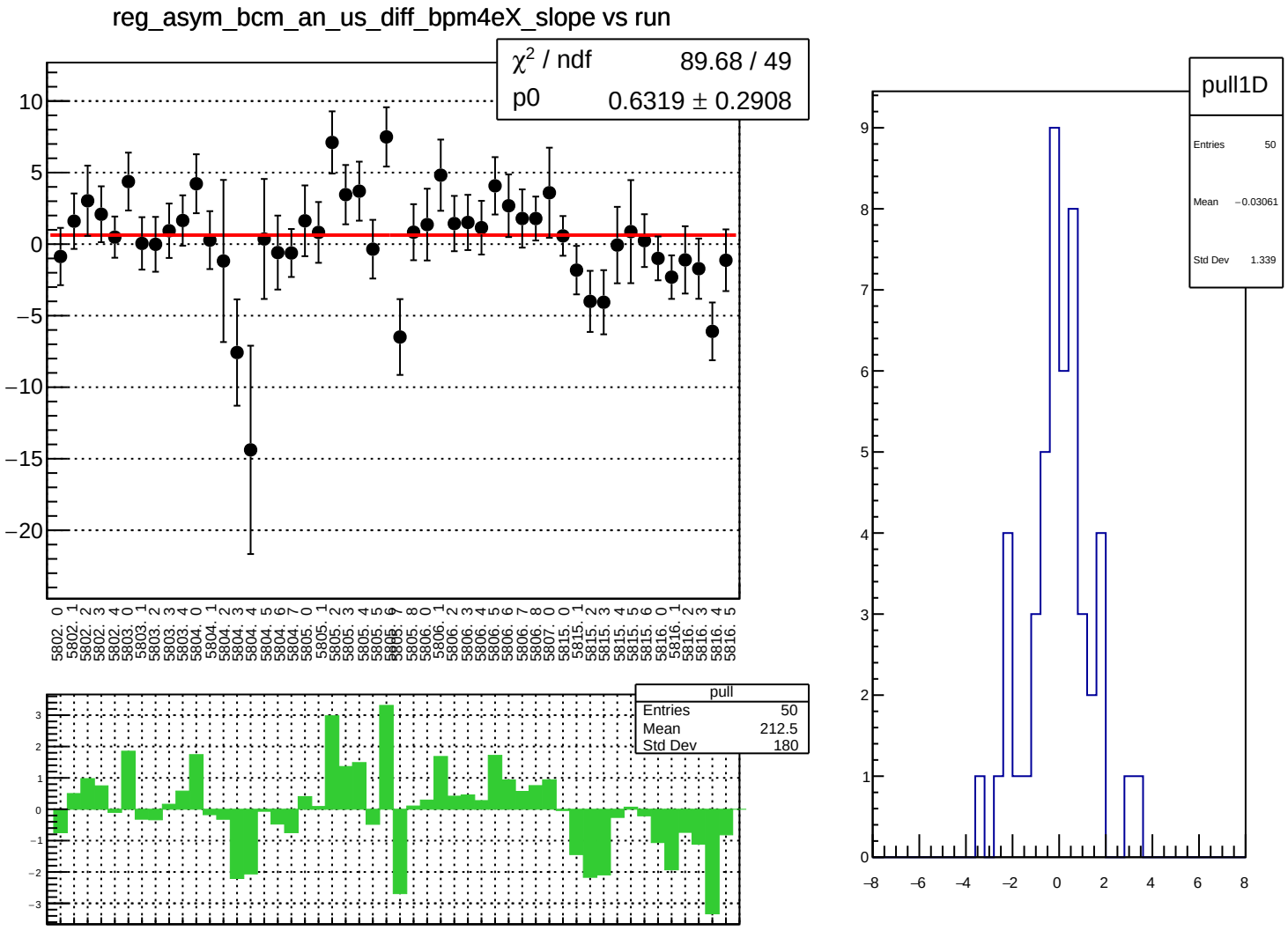

pull1D
Entries 50
Mean −0.2279
Std Dev 1.826

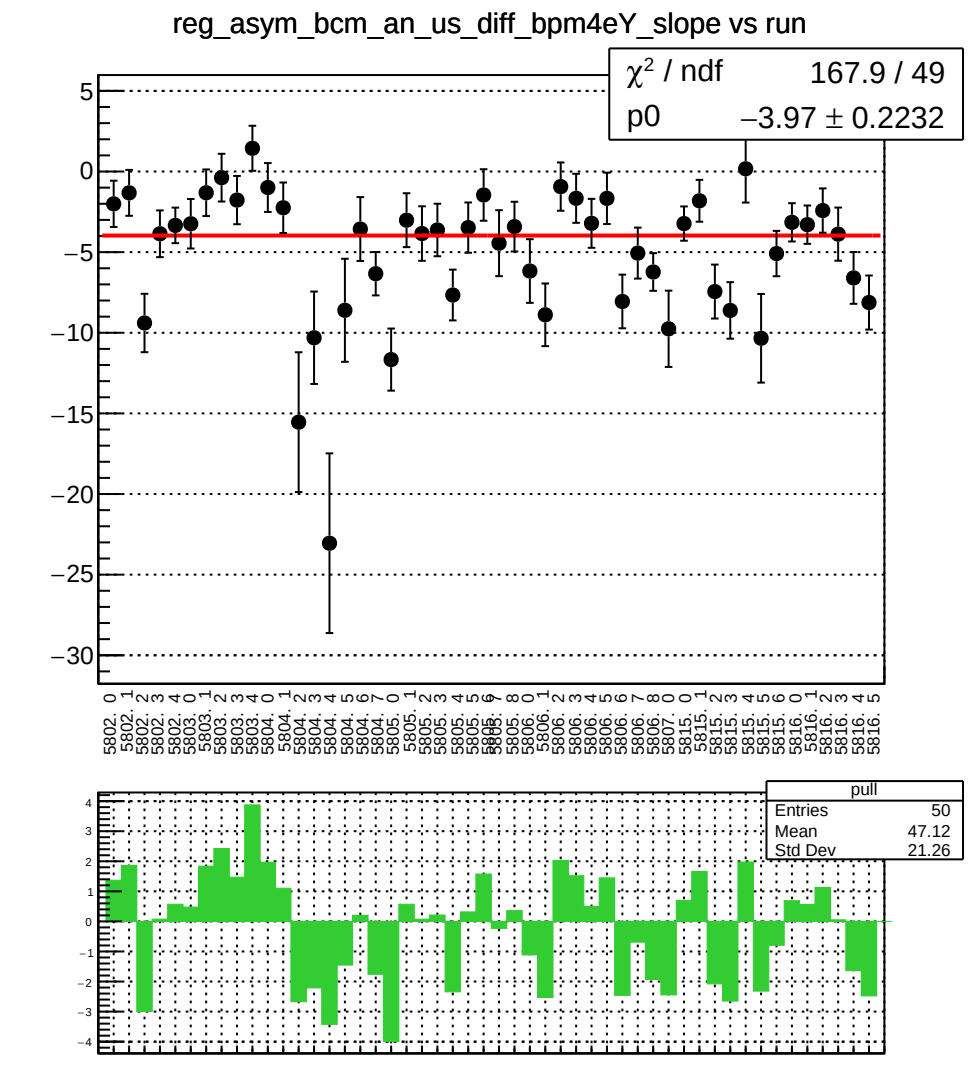

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 107.2 / 49
p0 0.3695 ± 0.01333
pull
Entries 50
Mean 26.44
Std Dev 11.18
pull1D
Entries 50
Mean 0.2355
Std Dev 1.445

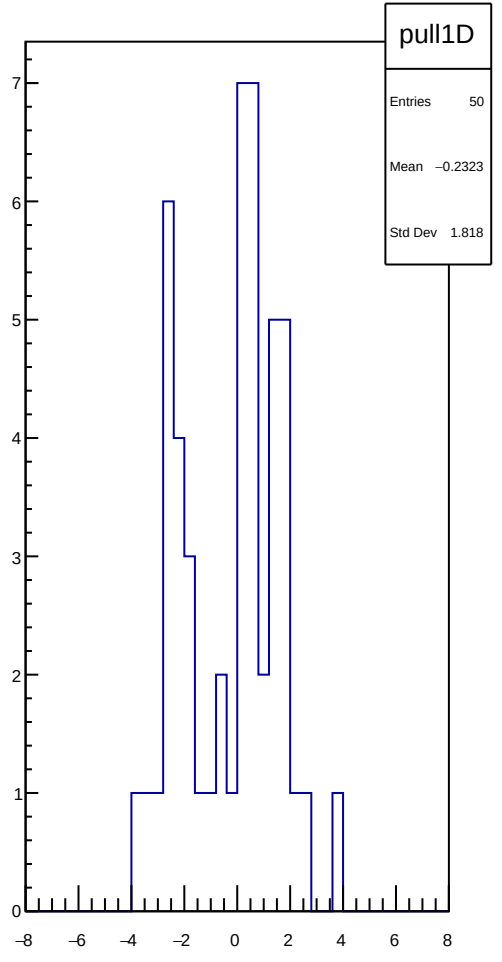

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 90.53 / 49
p0 0.2734 ± 0.2284
pull
Entries 50
Mean 150.2
Std Dev 118.5
pull1D
Entries 50
Mean 0.04889
Std Dev 1.345

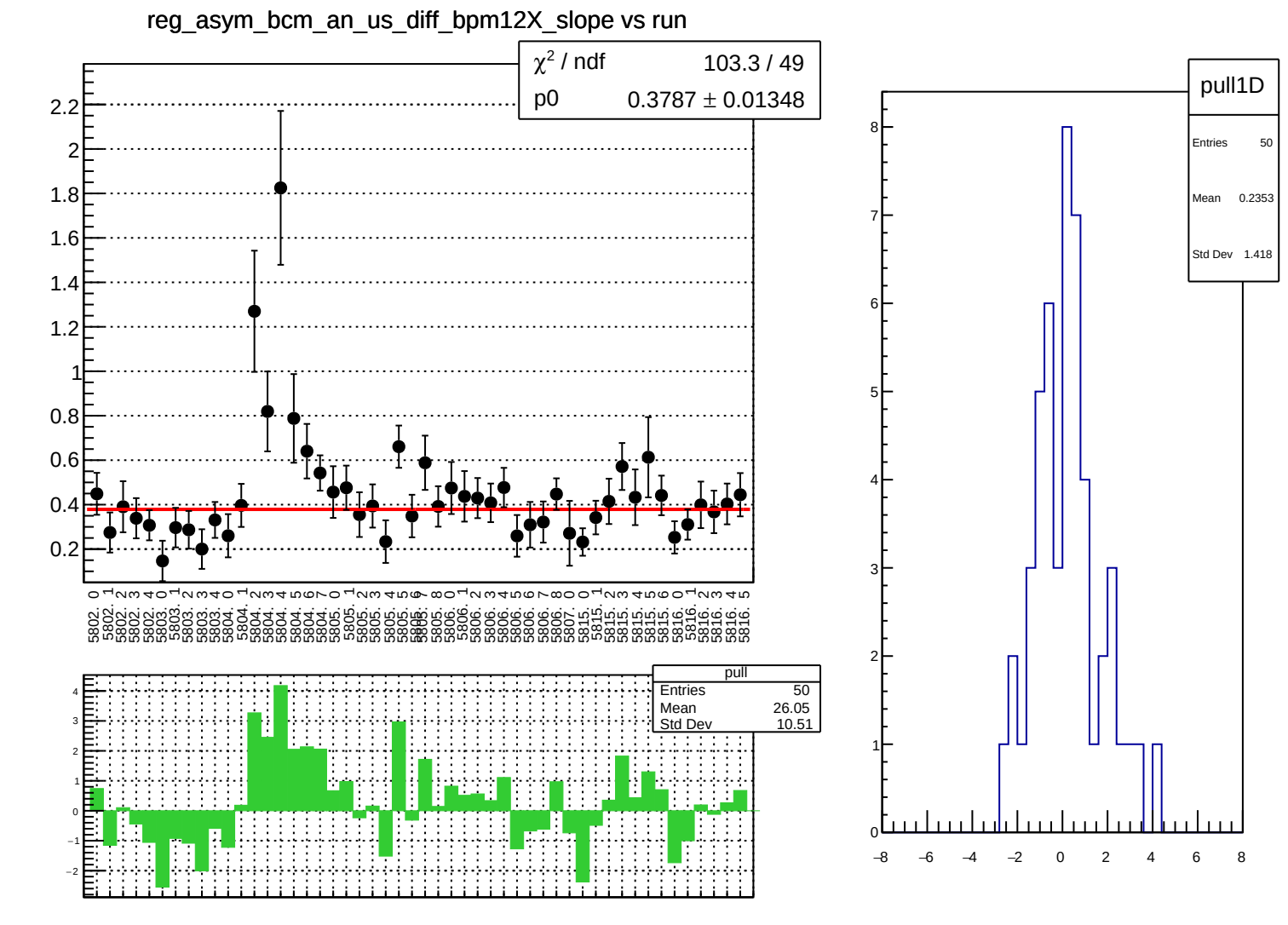

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 159.3 / 49
p0 3.128 ± 0.2044
pull
Entries 50
Mean 48.71
Std Dev 21.86

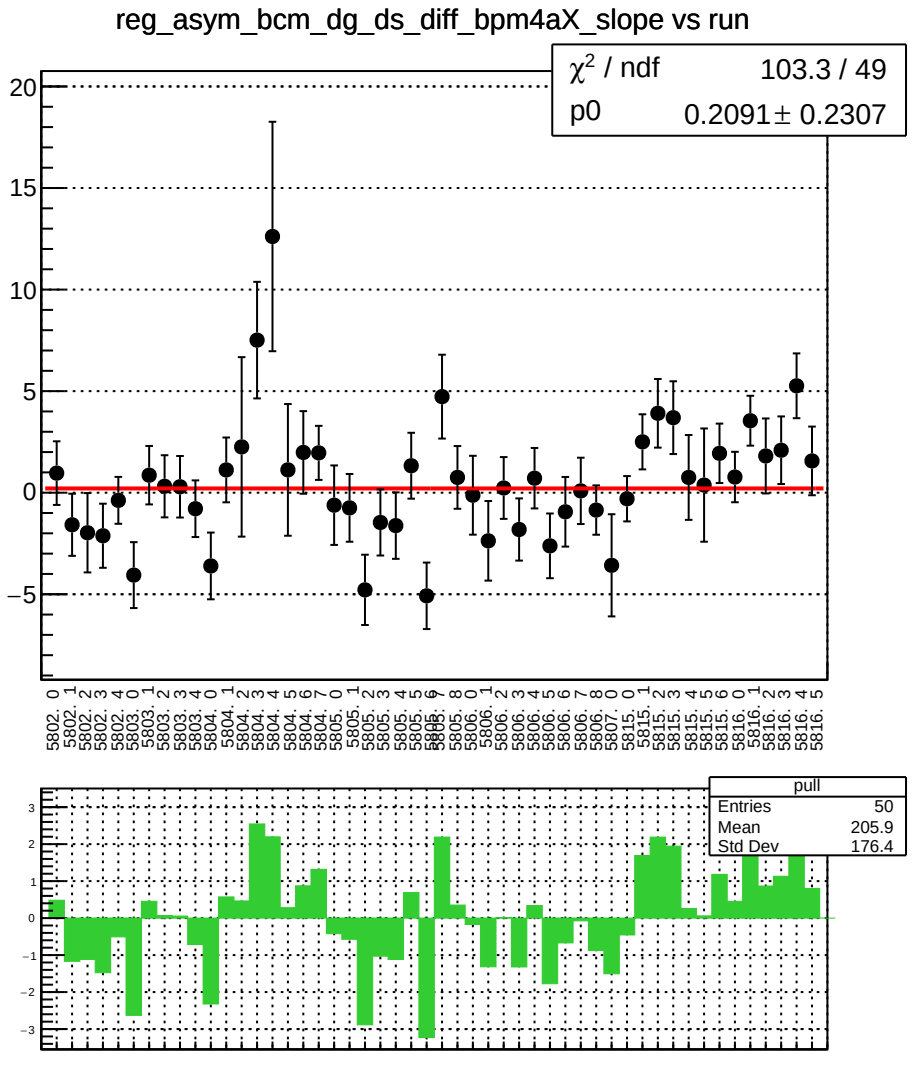

pull1D
Entries 50
Mean 0.2224
Std Dev 1.771

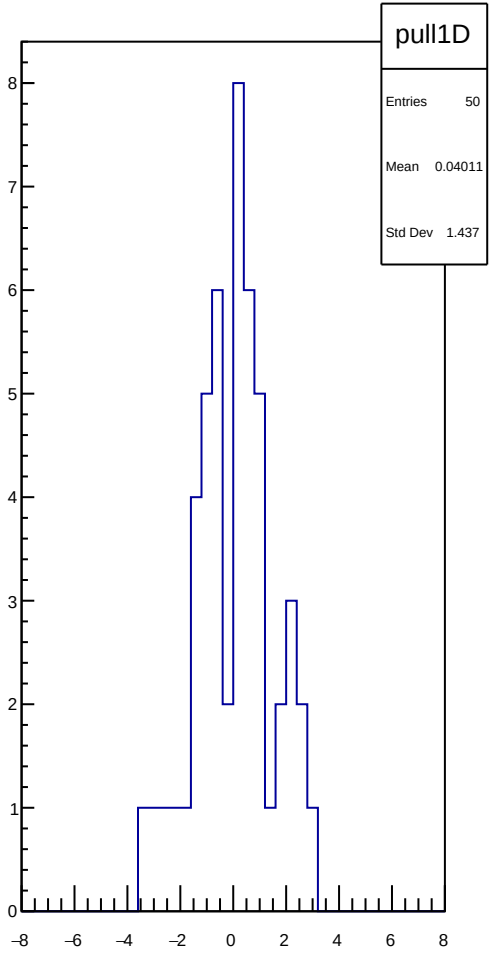

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 89.68 / 49
p0 0.6319 ± 0.2908
pull
Entries 50
Mean 212.5
Std Dev 180
pull1D
Entries 50
Mean −0.03061
Std Dev 1.339

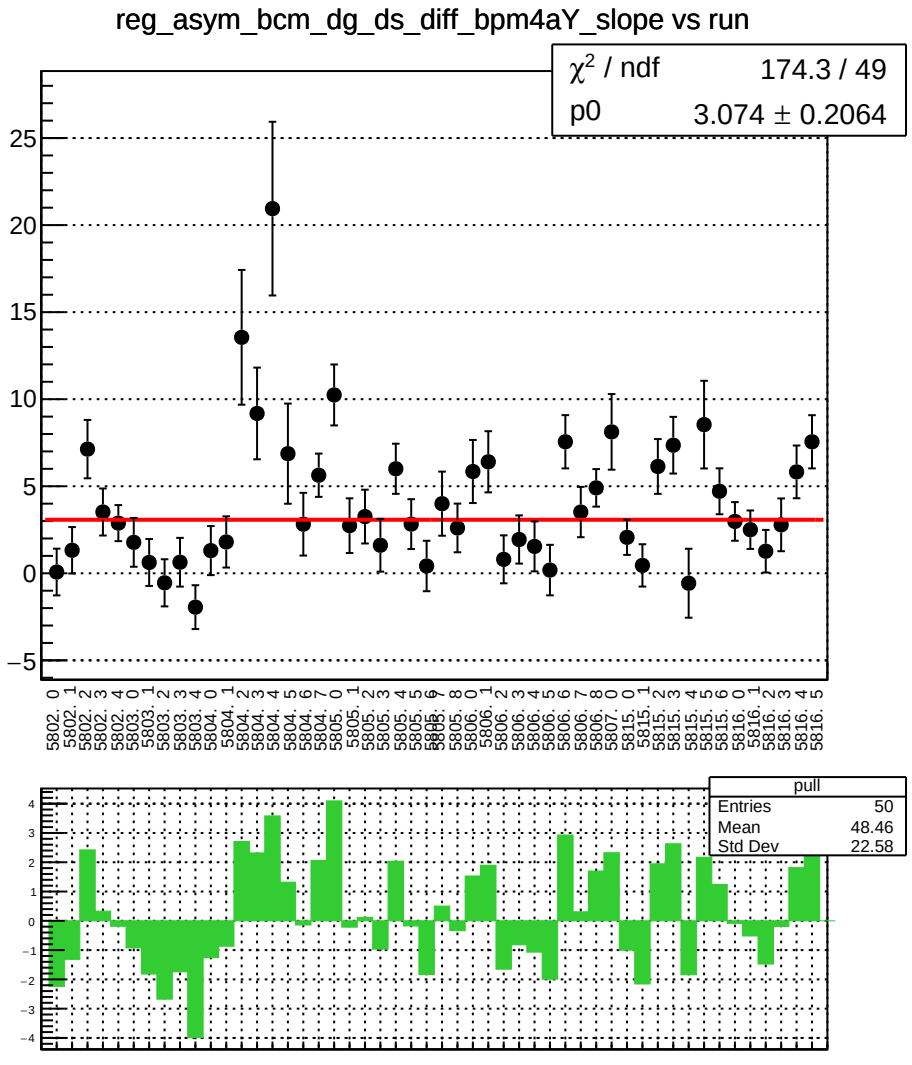

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 167.9 / 49
p0 −3.97 ± 0.2232
pull
Entries 50
Mean 47.12
Std Dev 21.26

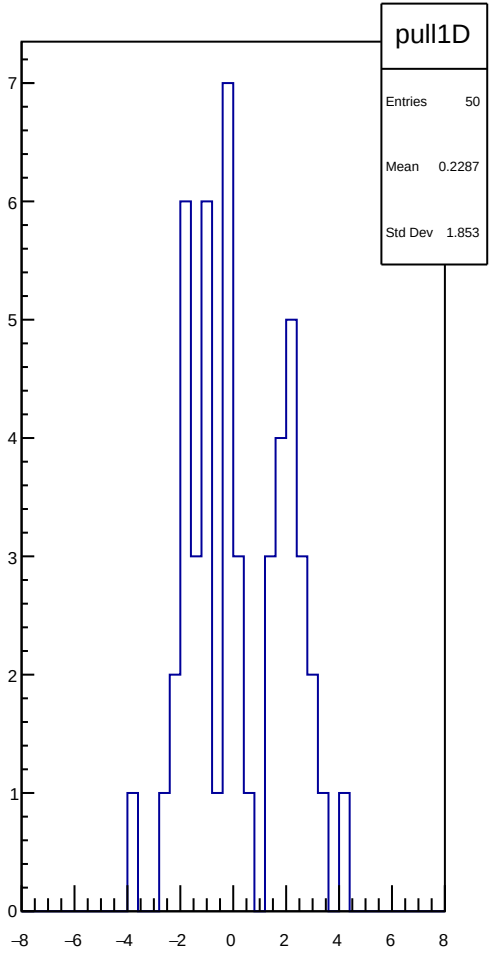

pull1D
Entries 50
Mean −0.2323
Std Dev 1.818

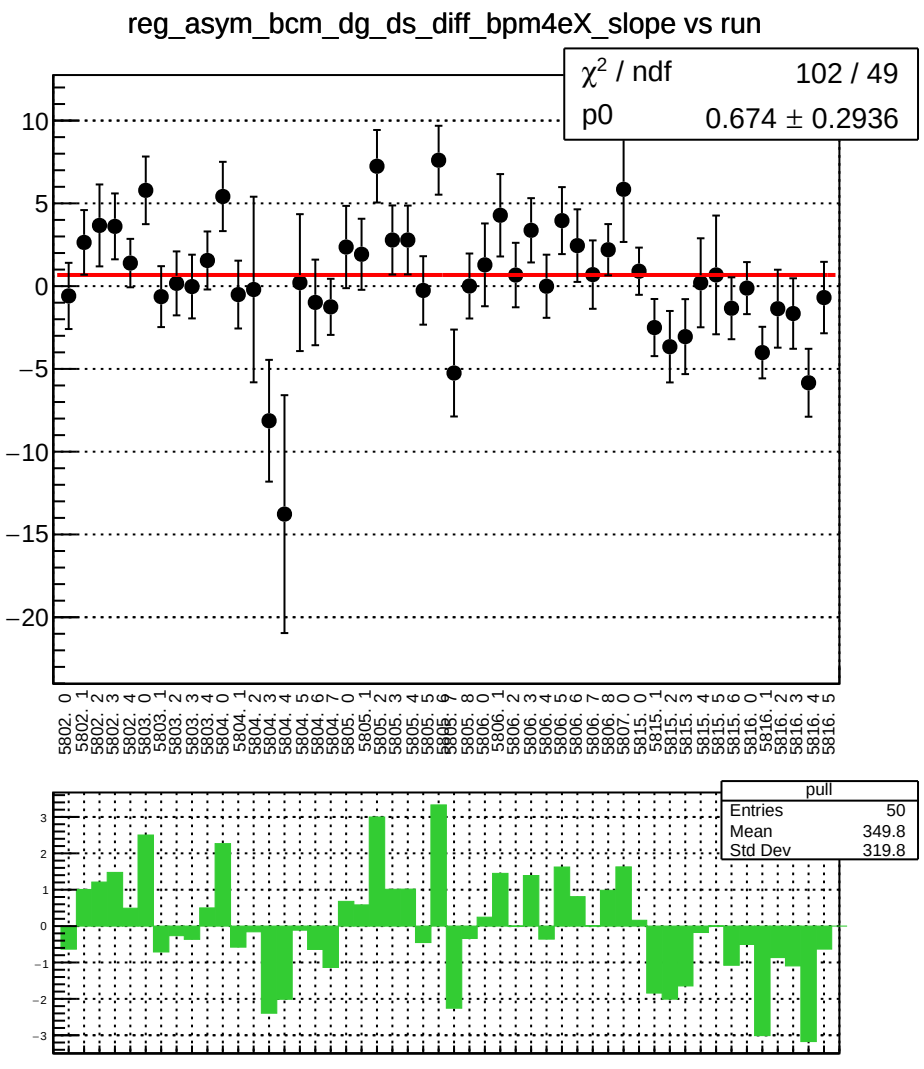

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 103.3 / 49
p0 0.3787 ± 0.01348
pull
Entries 50
Mean 26.05
Std Dev 10.51
pull1D
Entries 50
Mean 0.2353
Std Dev 1.418

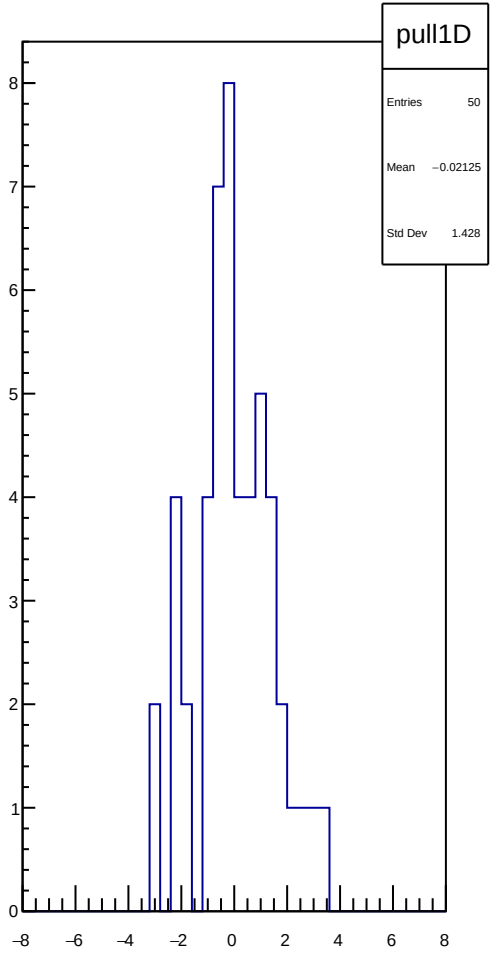

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 103.3 / 49
p0 0.2091 ± 0.2307
pull
Entries 50
Mean 205.9
Std Dev 176.4

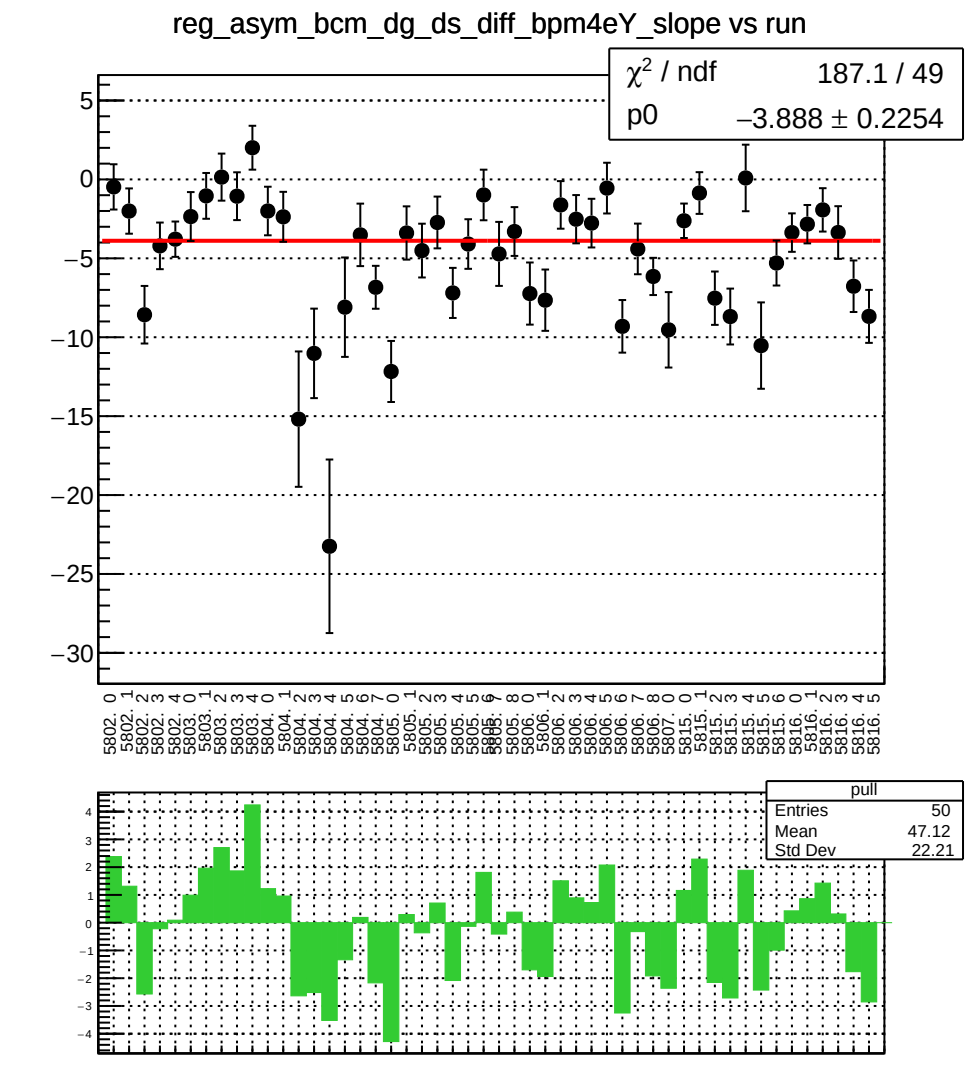

pull1D
Entries 50
Mean 0.04011
Std Dev 1.437

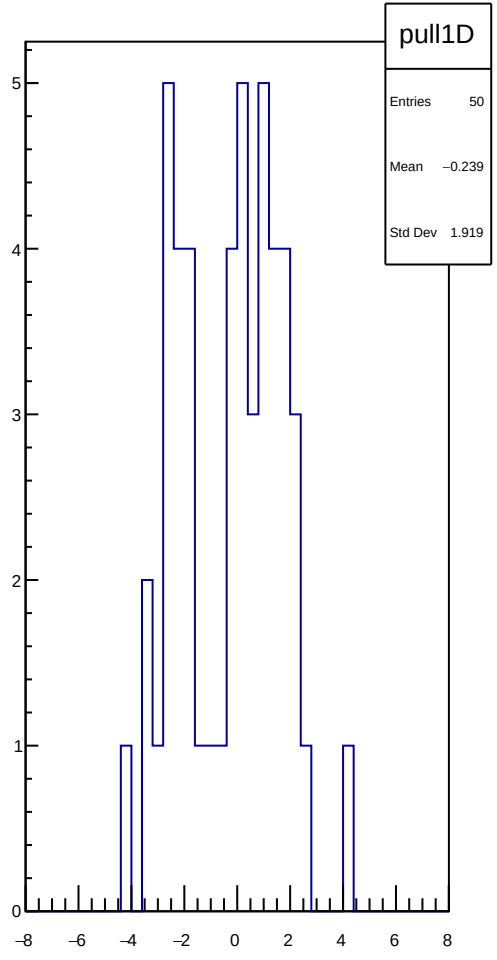

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 174.3 / 49
p0 3.074 ± 0.2064
pull
Entries 50
Mean 48.46
Std Dev 22.58

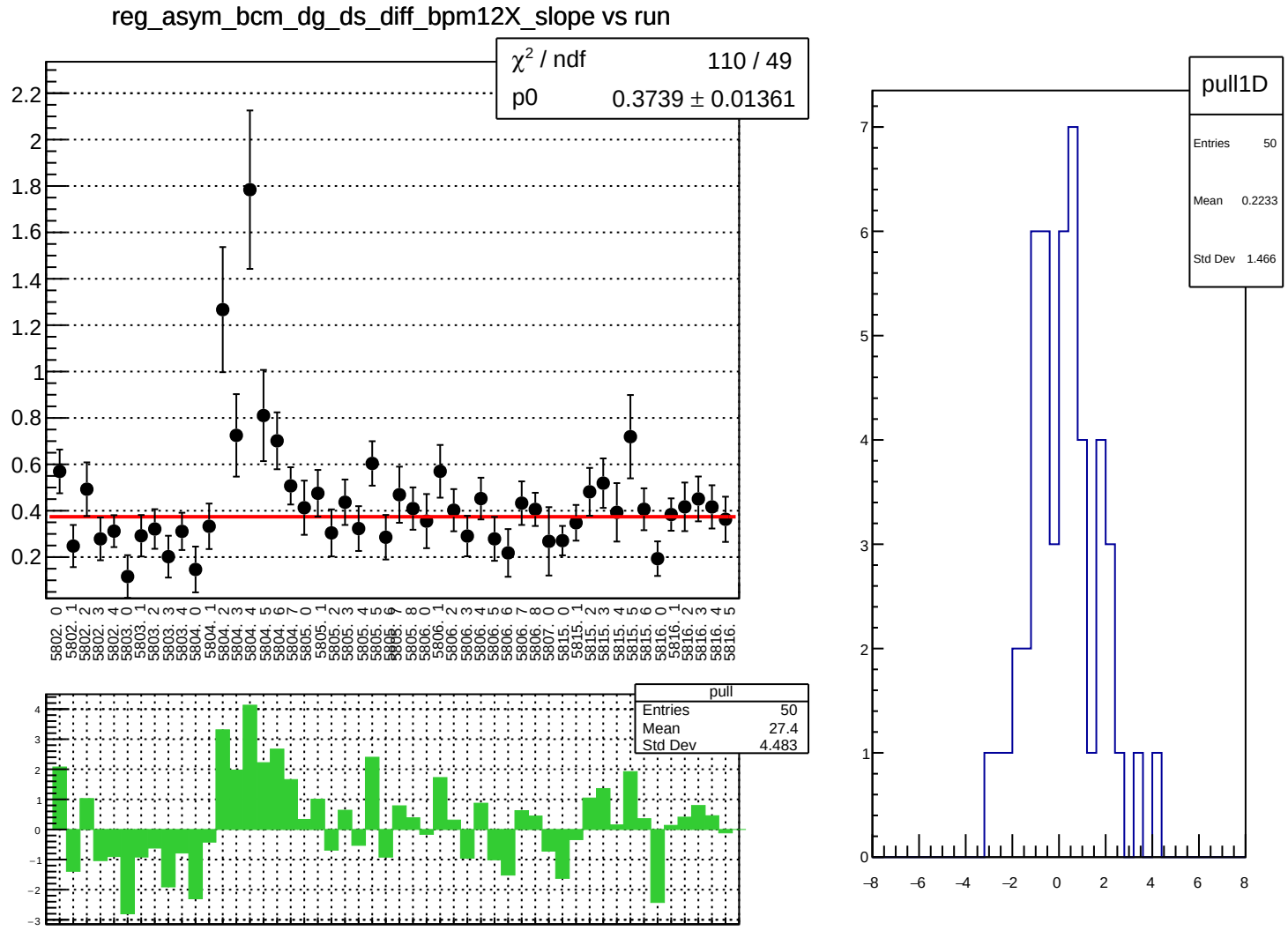

pull1D
Entries 50
Mean 0.2287
Std Dev 1.853

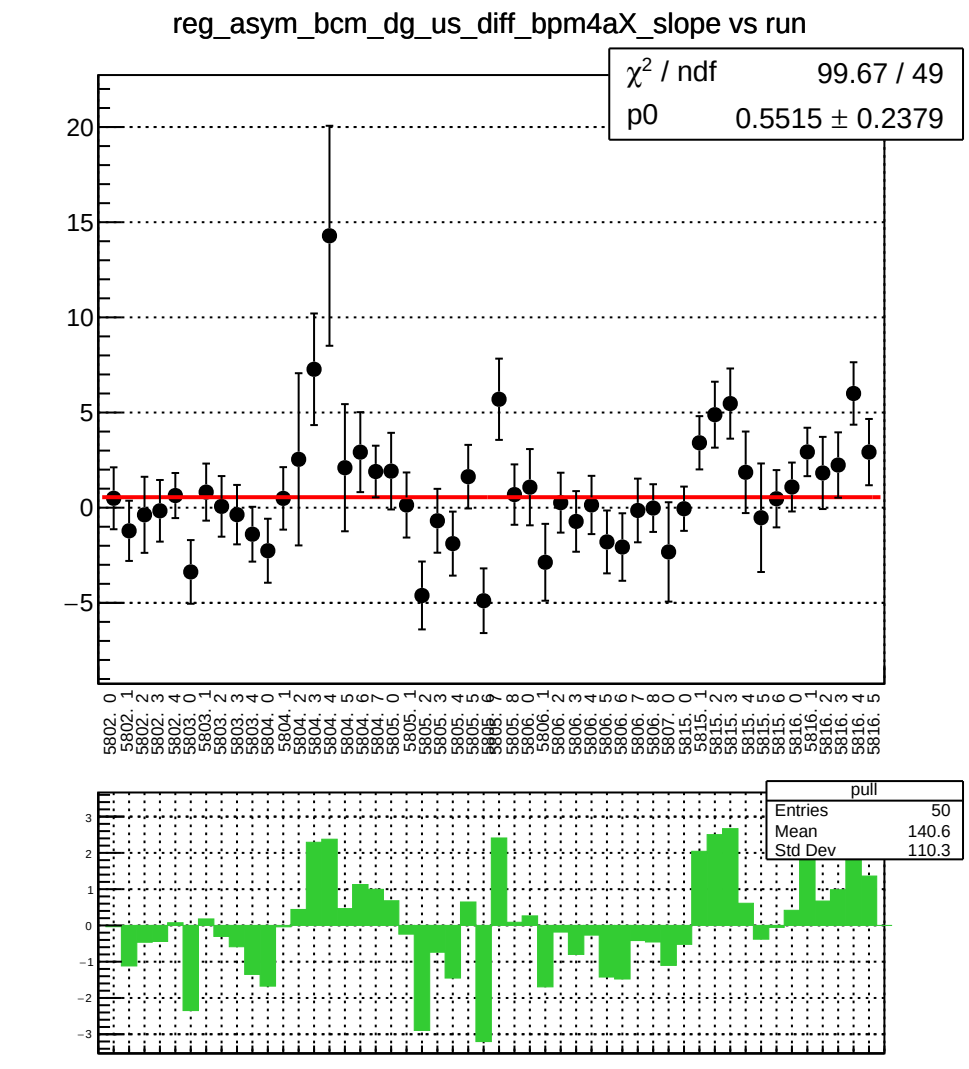

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 102 / 49
p0 0.674 ± 0.2936
pull
Entries 50
Mean 349.8
Std Dev 319.8

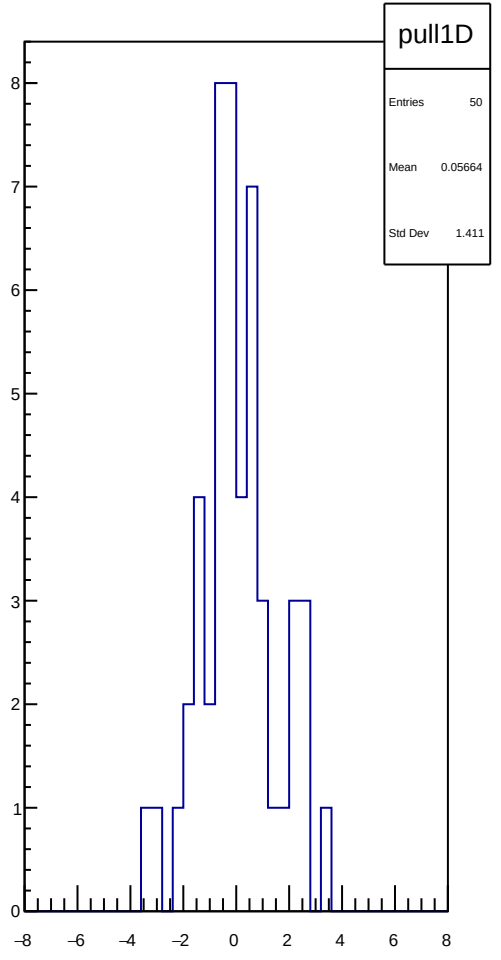

pull1D
Entries 50
Mean −0.02125
Std Dev 1.428

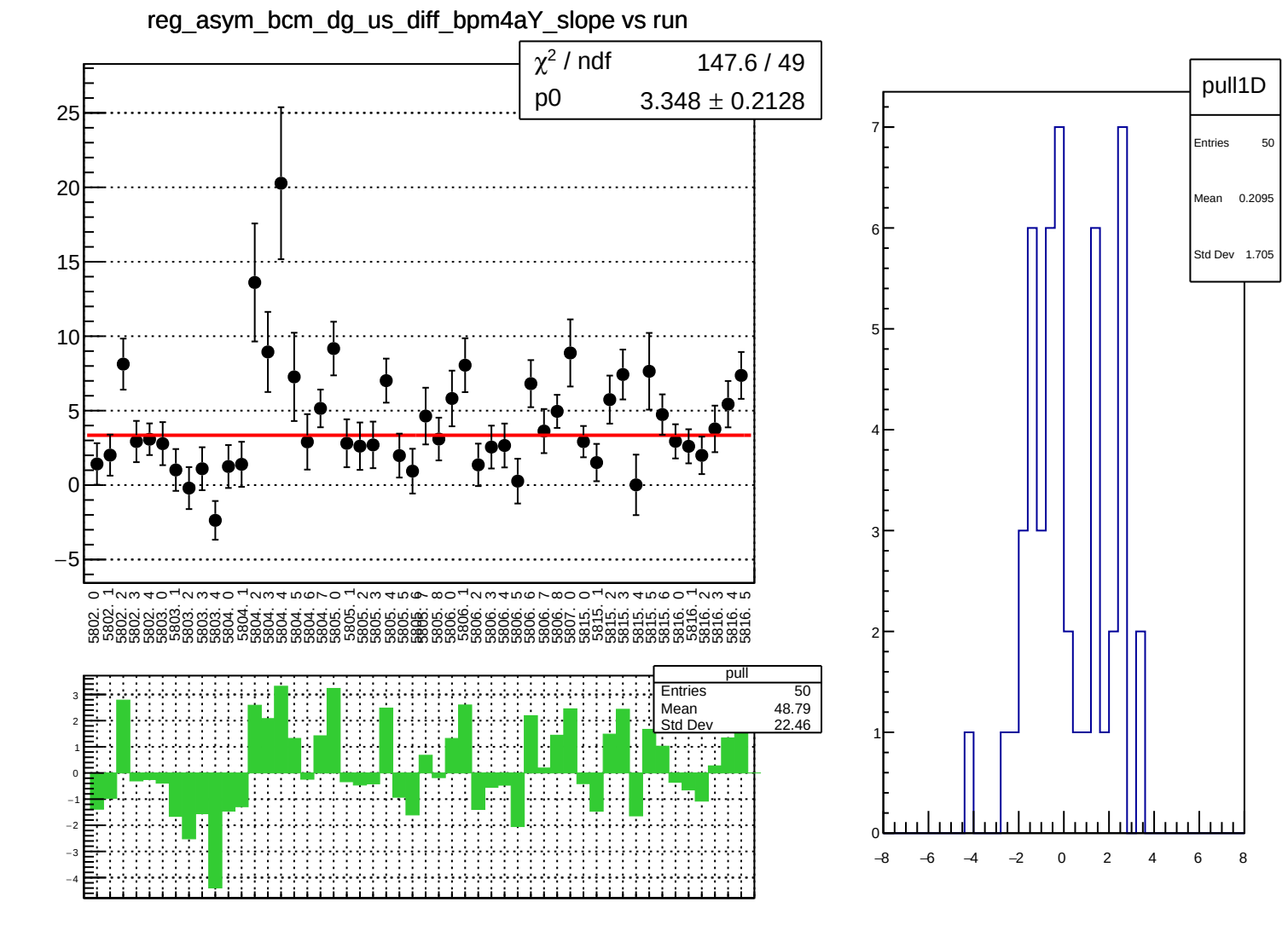

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 187.1 / 49
p0 −3.888 ± 0.2254
pull
Entries 50
Mean 47.12
Std Dev 22.21

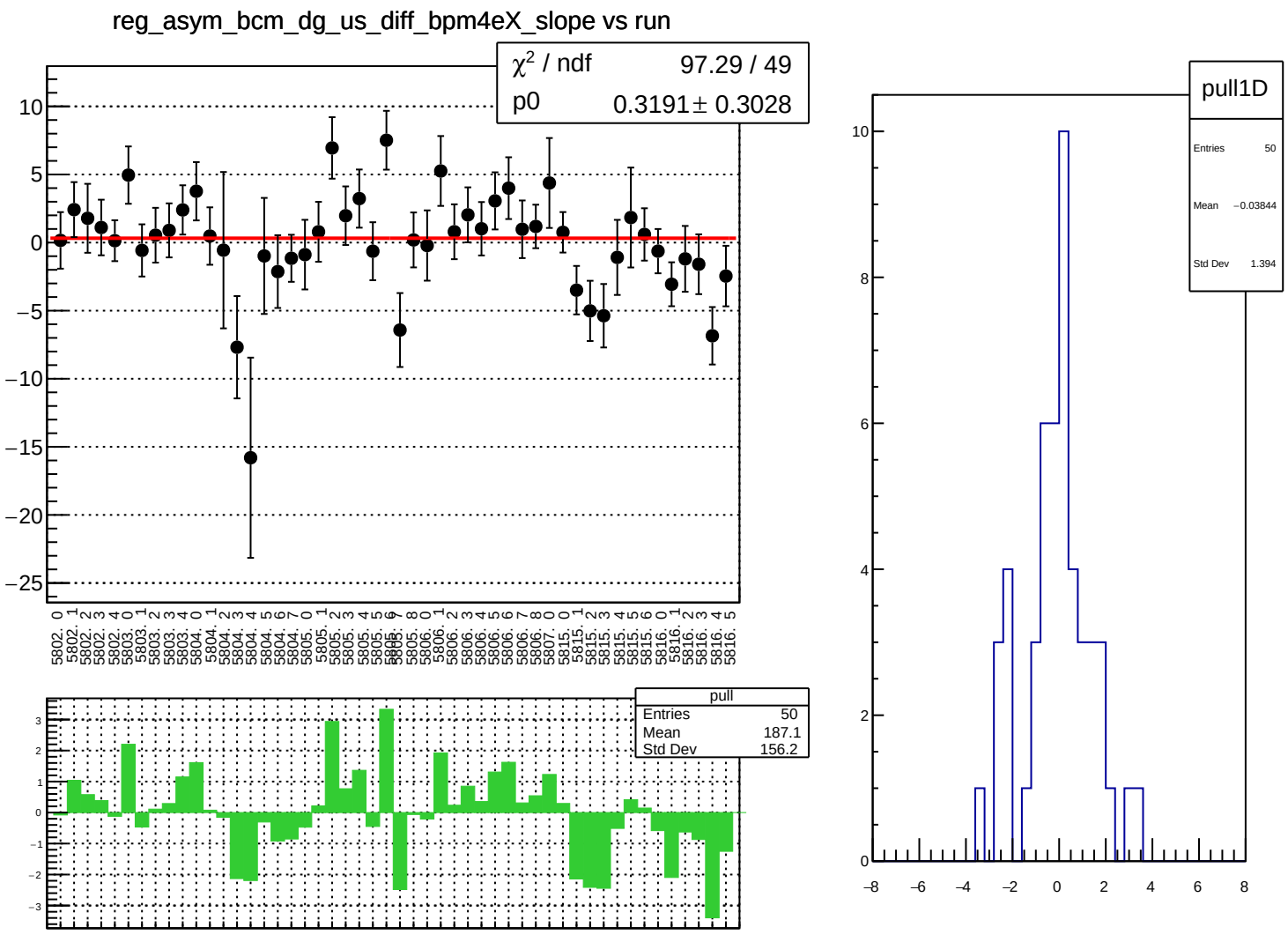

pull1D
Entries 50
Mean −0.239
Std Dev 1.919

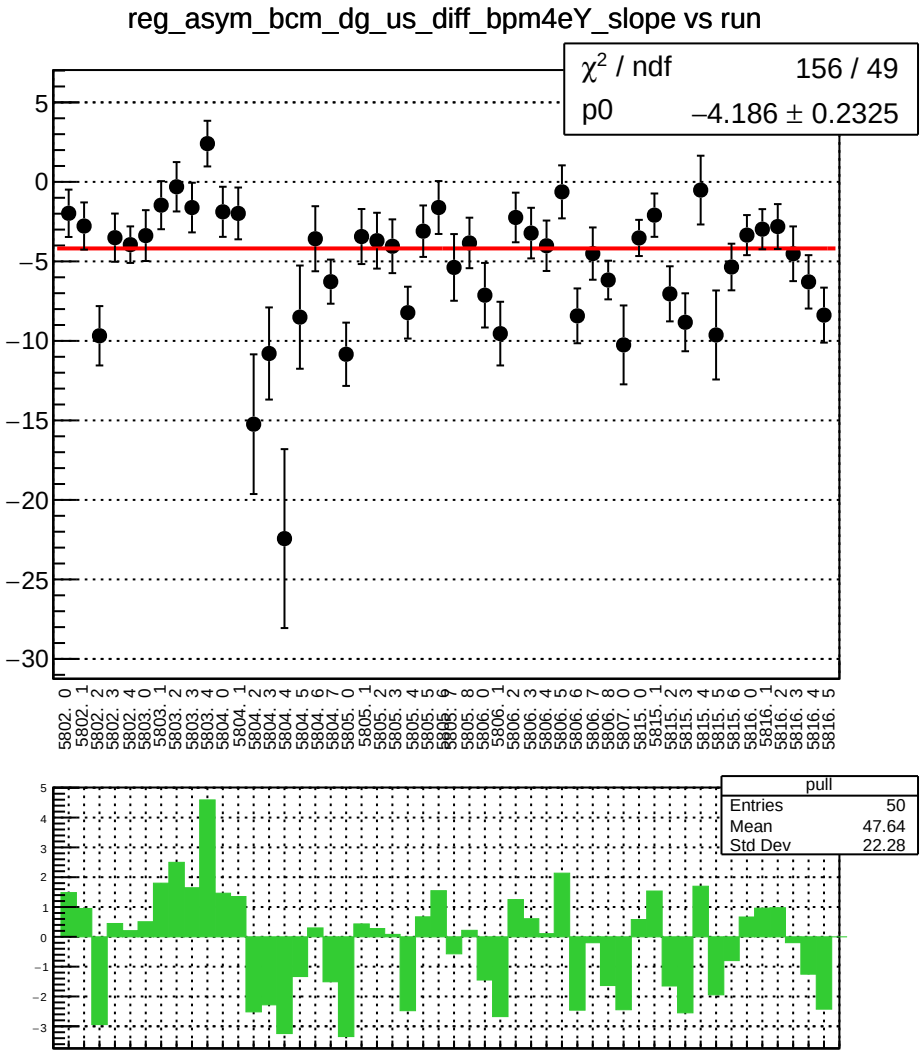

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 110 / 49
p0 0.3739 ± 0.01361
pull
Entries 50
Mean 27.4
Std Dev 4.483
pull1D
Entries 50
Mean 0.2233
Std Dev 1.466

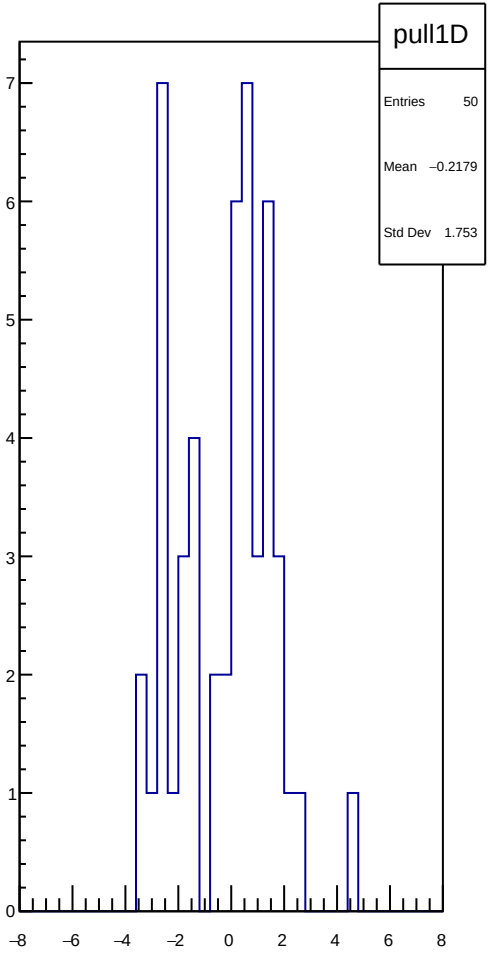

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 99.67 / 49
p0 0.5515 ± 0.2379
pull
Entries 50
Mean 140.6
Std Dev 110.3

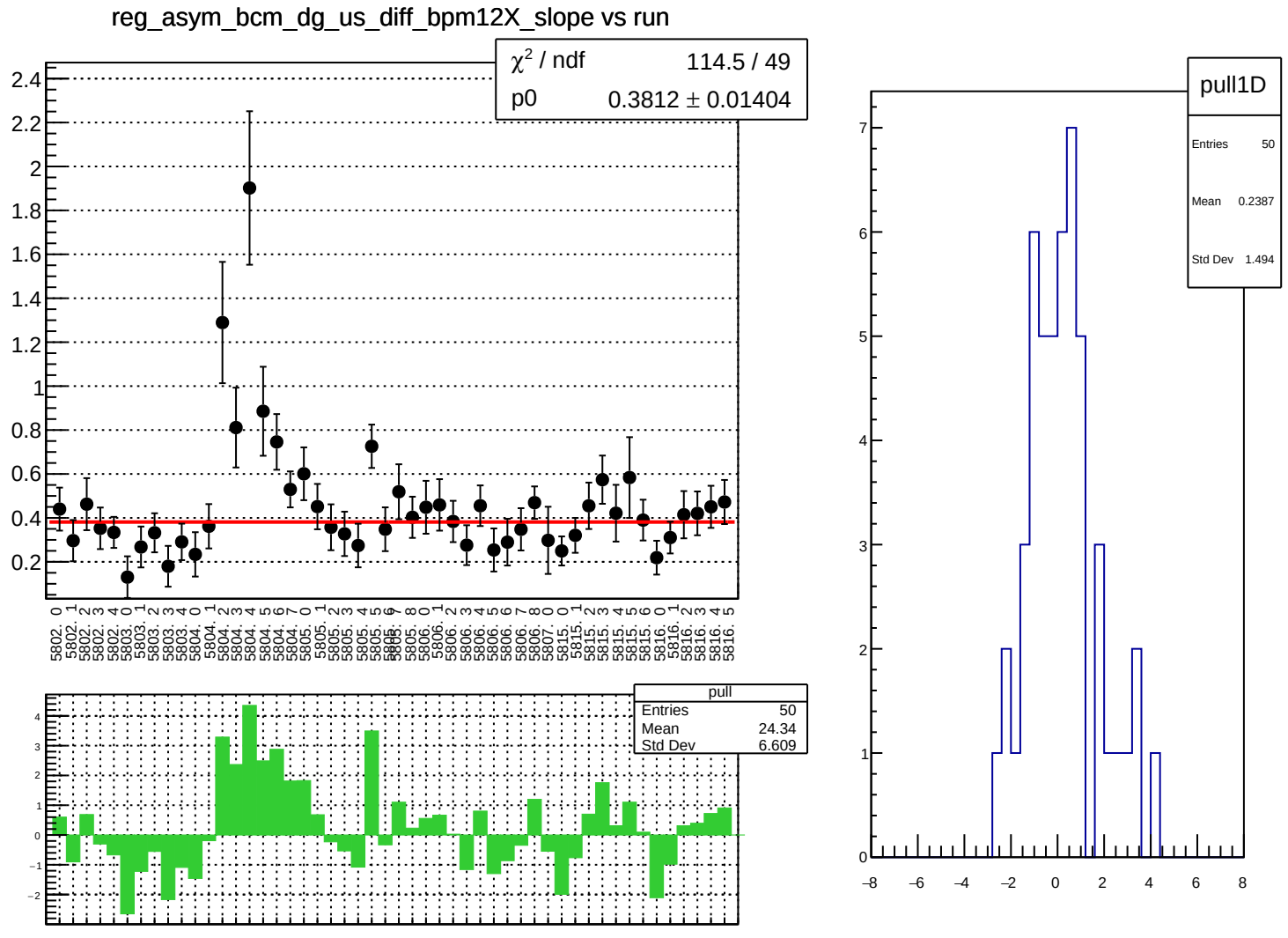

pull1D
Entries 50
Mean 0.05664
Std Dev 1.411


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