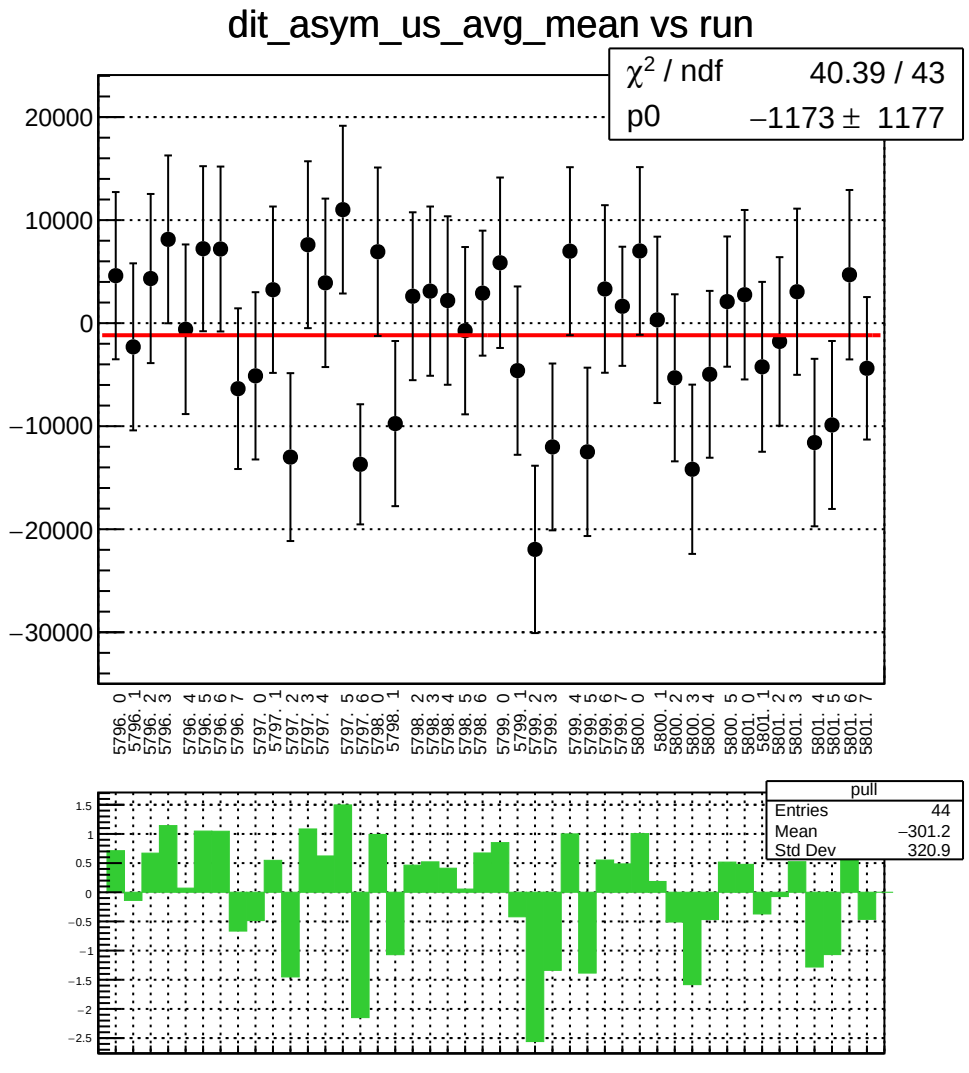
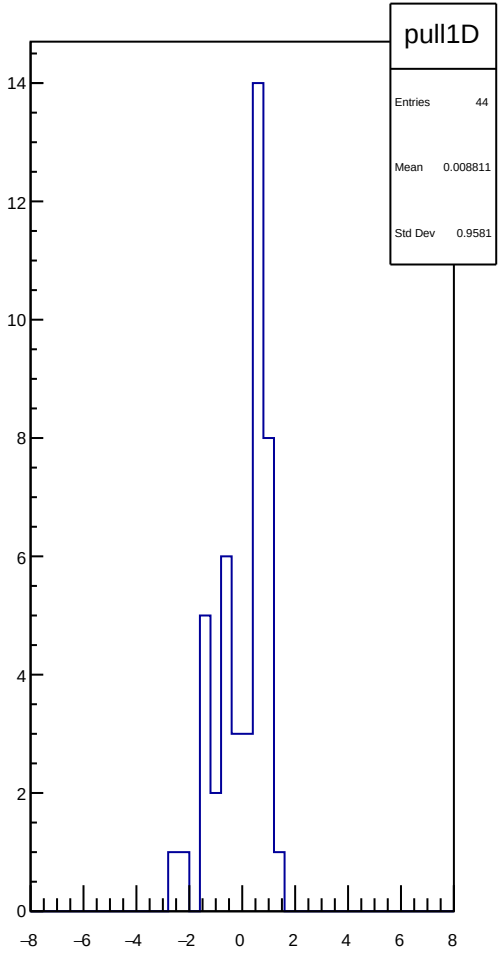
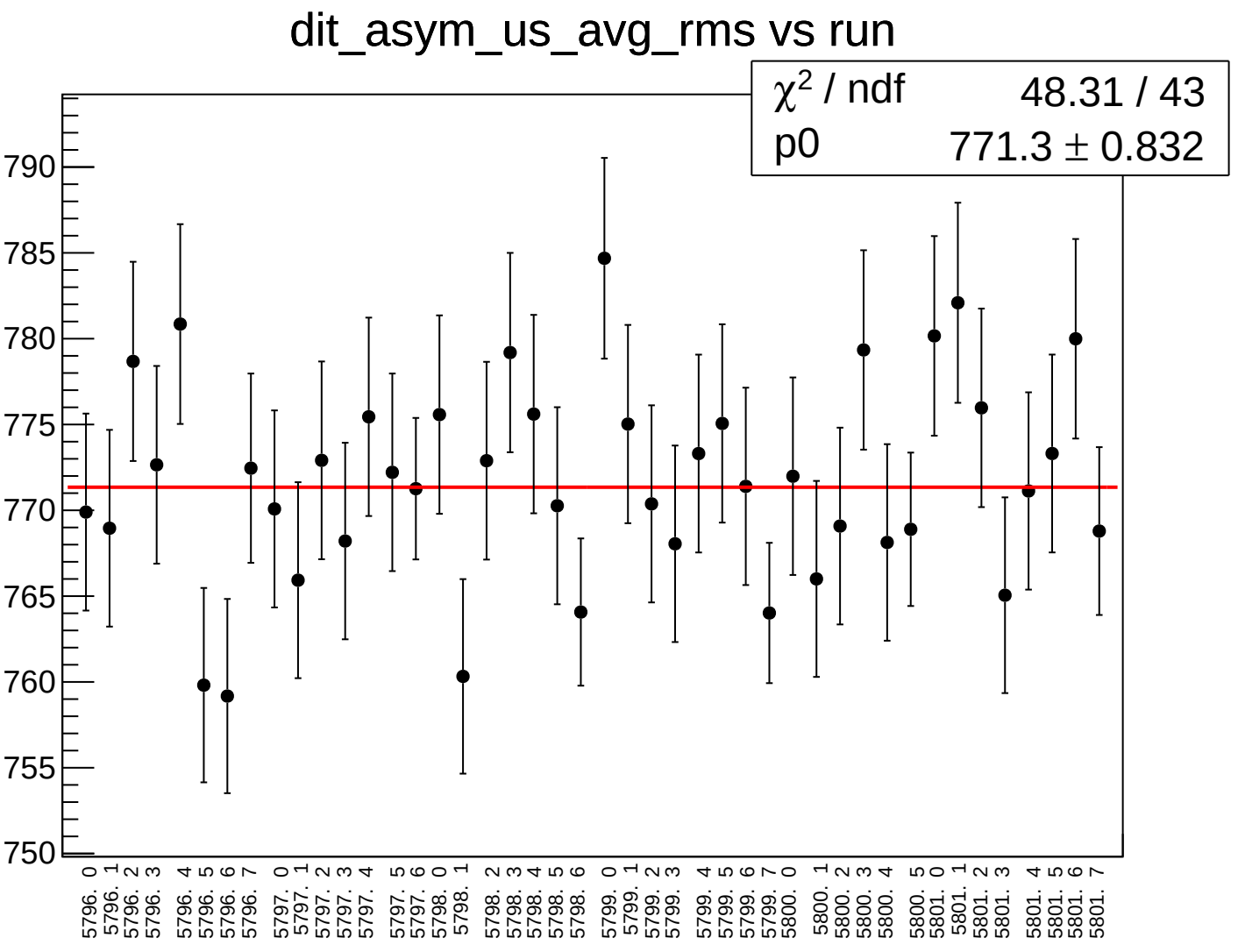
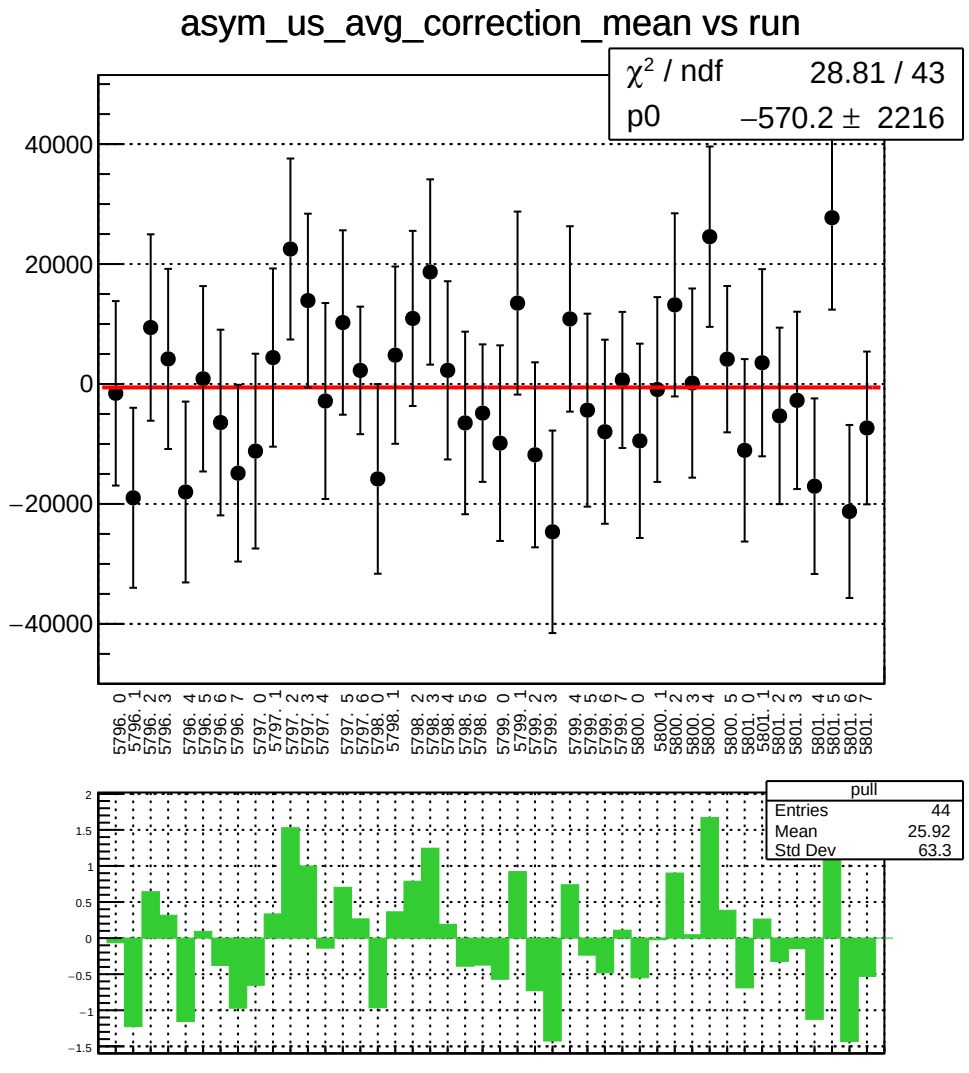
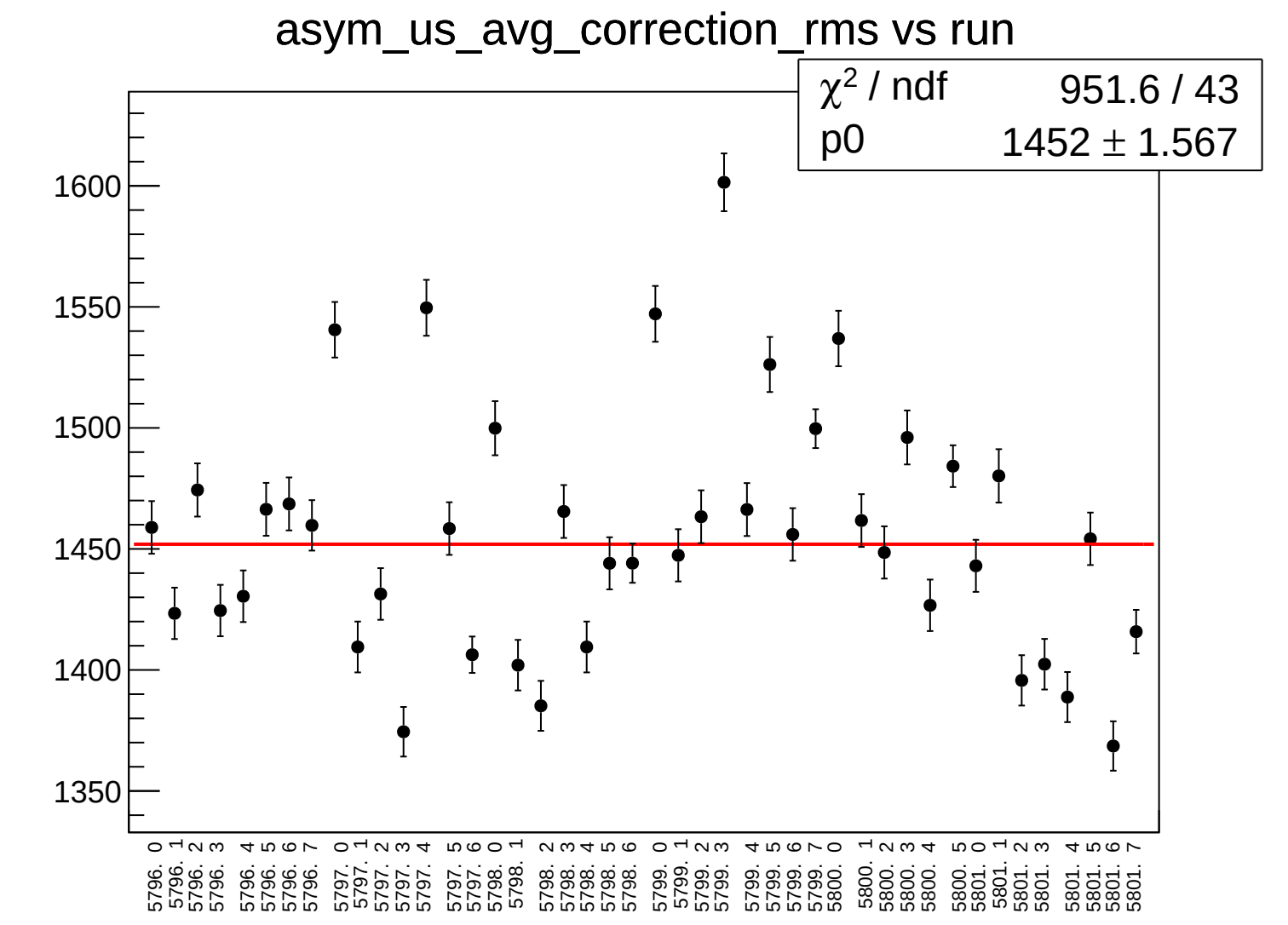
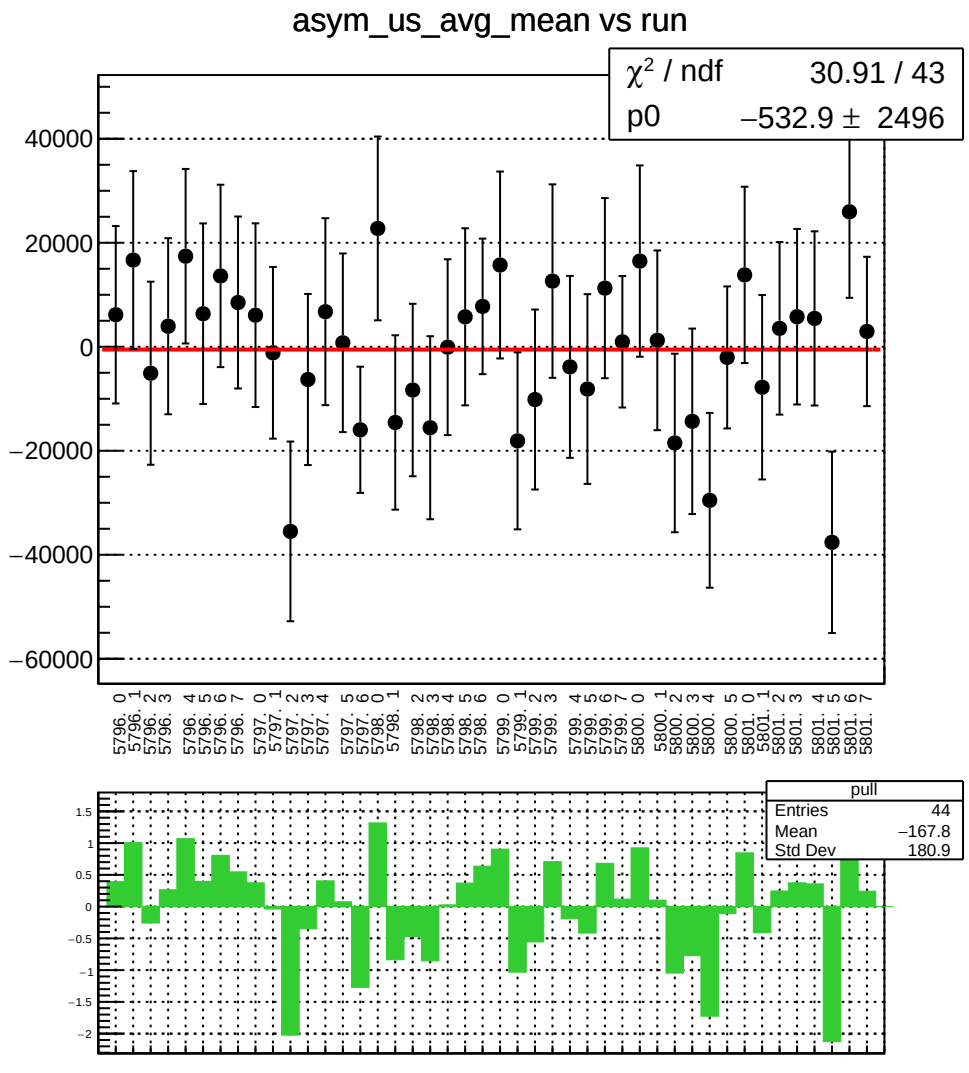

dit_asym_us_avg_mean vs run
χ² / ndf 40.39 / 43
p0 −1173 ± 1177
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −301.2
Std Dev 320.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

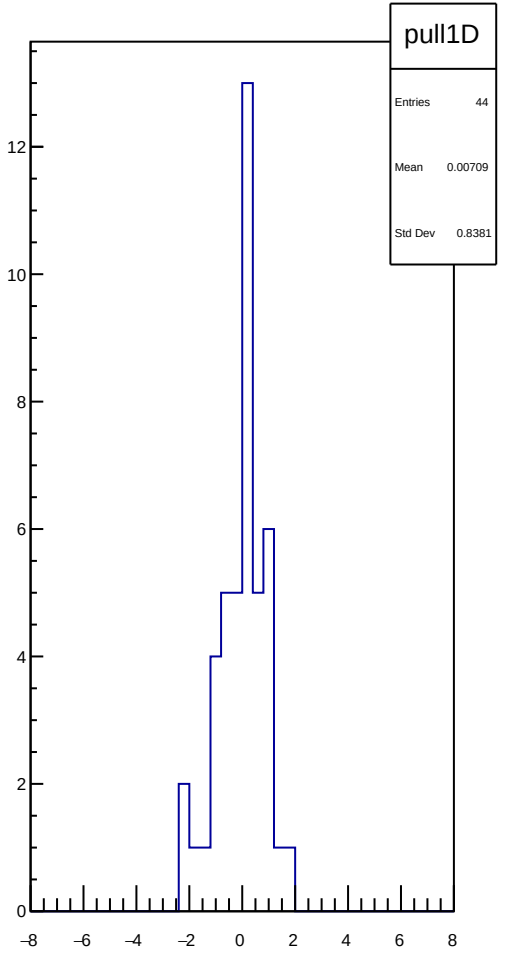

pull1D
Entries 44
Mean 0.008811
Std Dev 0.9581
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

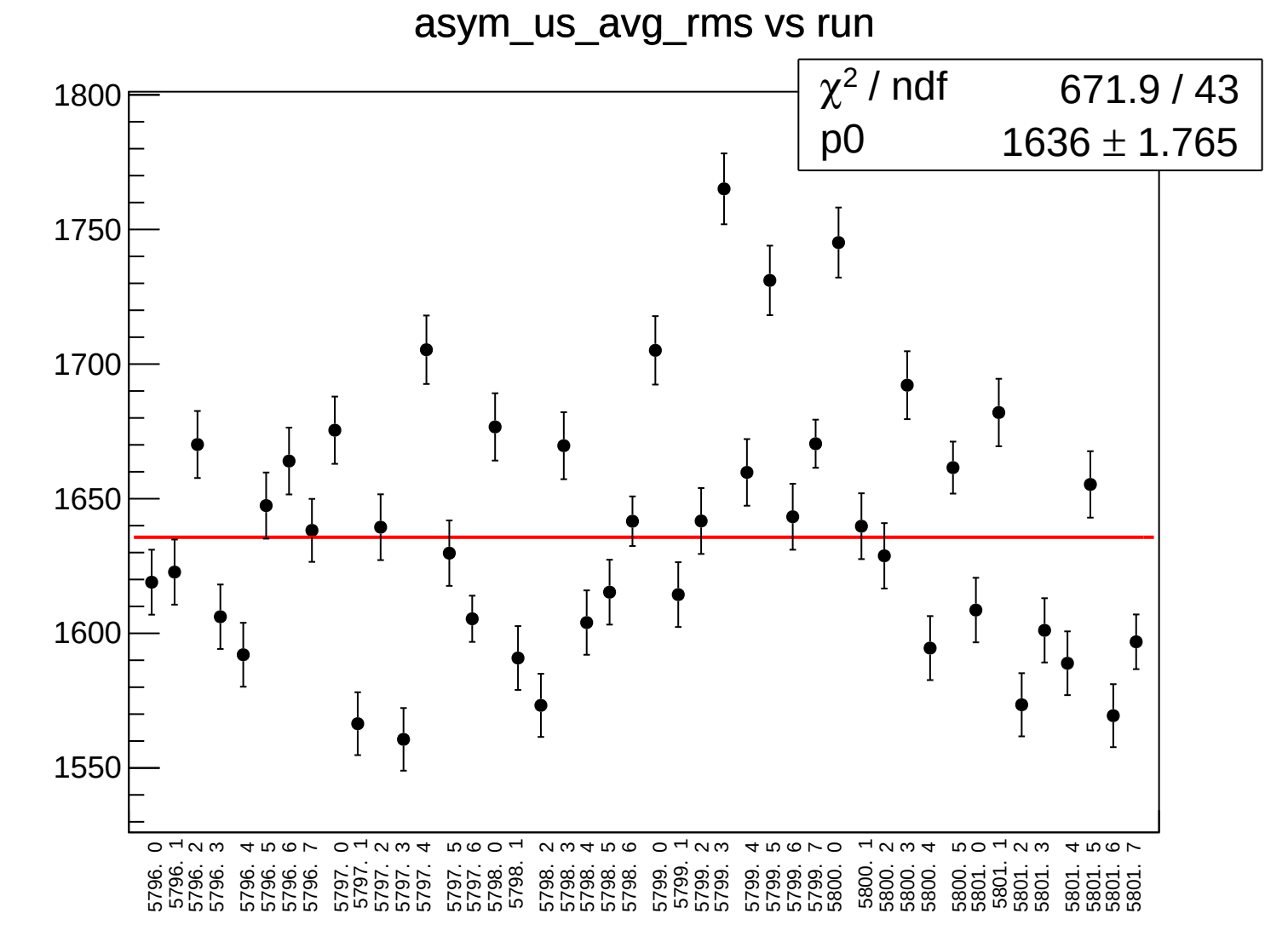

dit_asym_us_avg_rms vs run
χ² / ndf 48.31 / 43
p0 771.3 ± 0.832
790
785
780
775
770
765
760
755
750
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

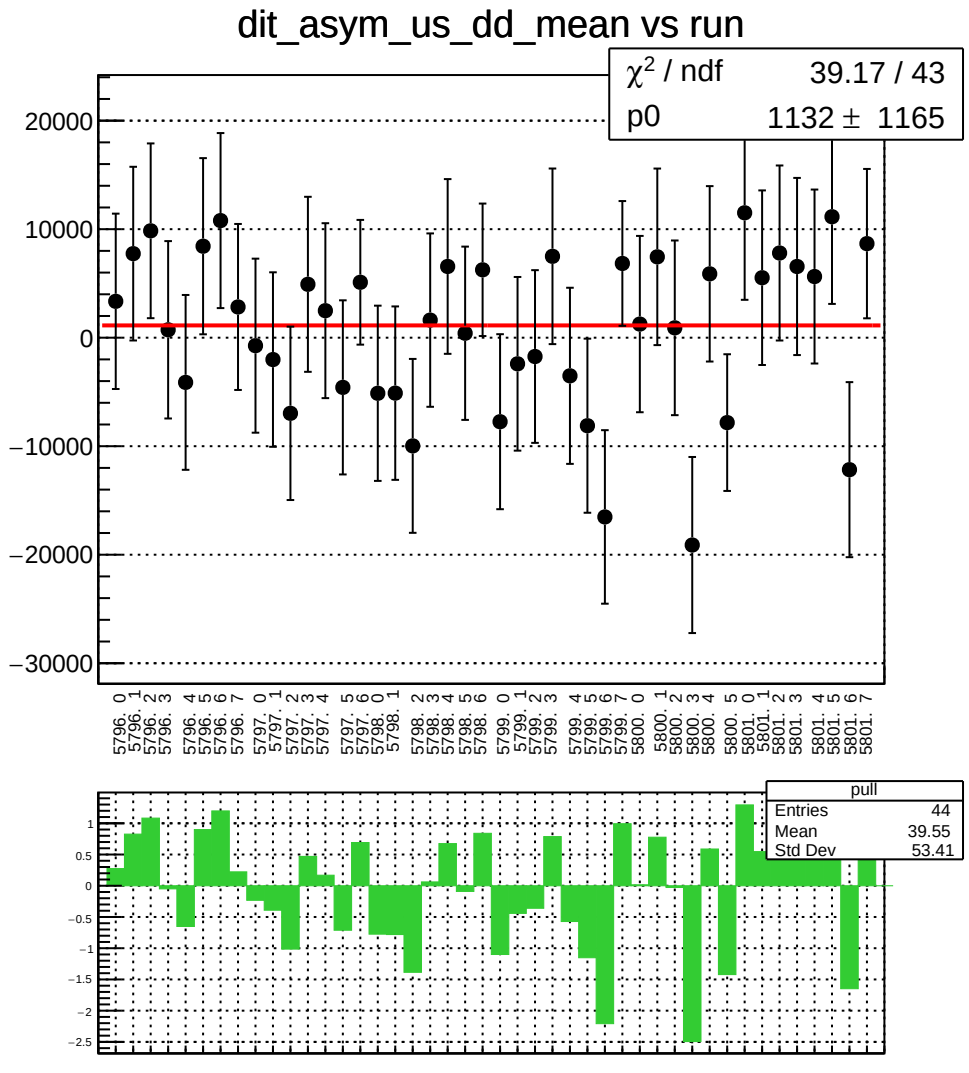

asym_us_avg_correction_mean vs run
χ² / ndf 28.81 / 43
p0 −570.2 ± 2216
40000
20000
0
−20000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 25.92
Std Dev 63.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.005044
Std Dev 0.8091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

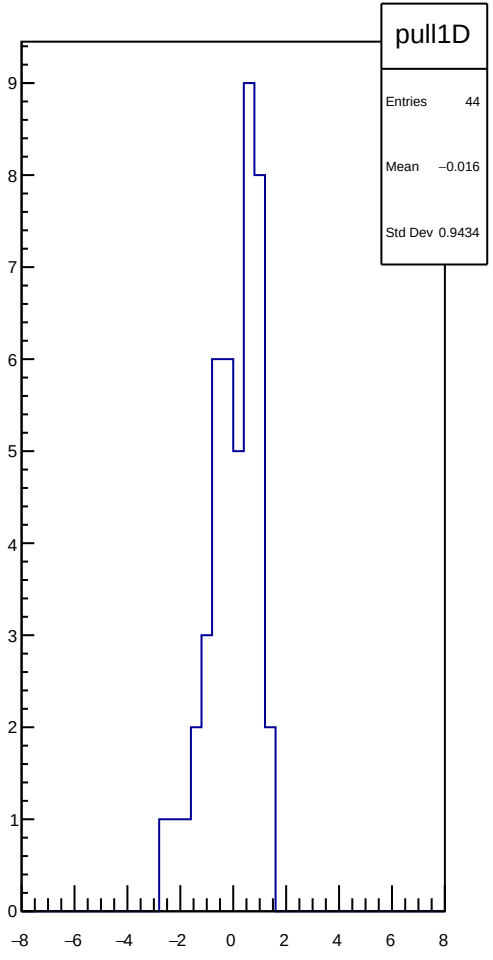

asym_us_avg_correction_rms vs run
χ^2 / ndf 951.6 / 43
p0 1452 ± 1.567
1600
1550
1500
1450
1400
1350
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

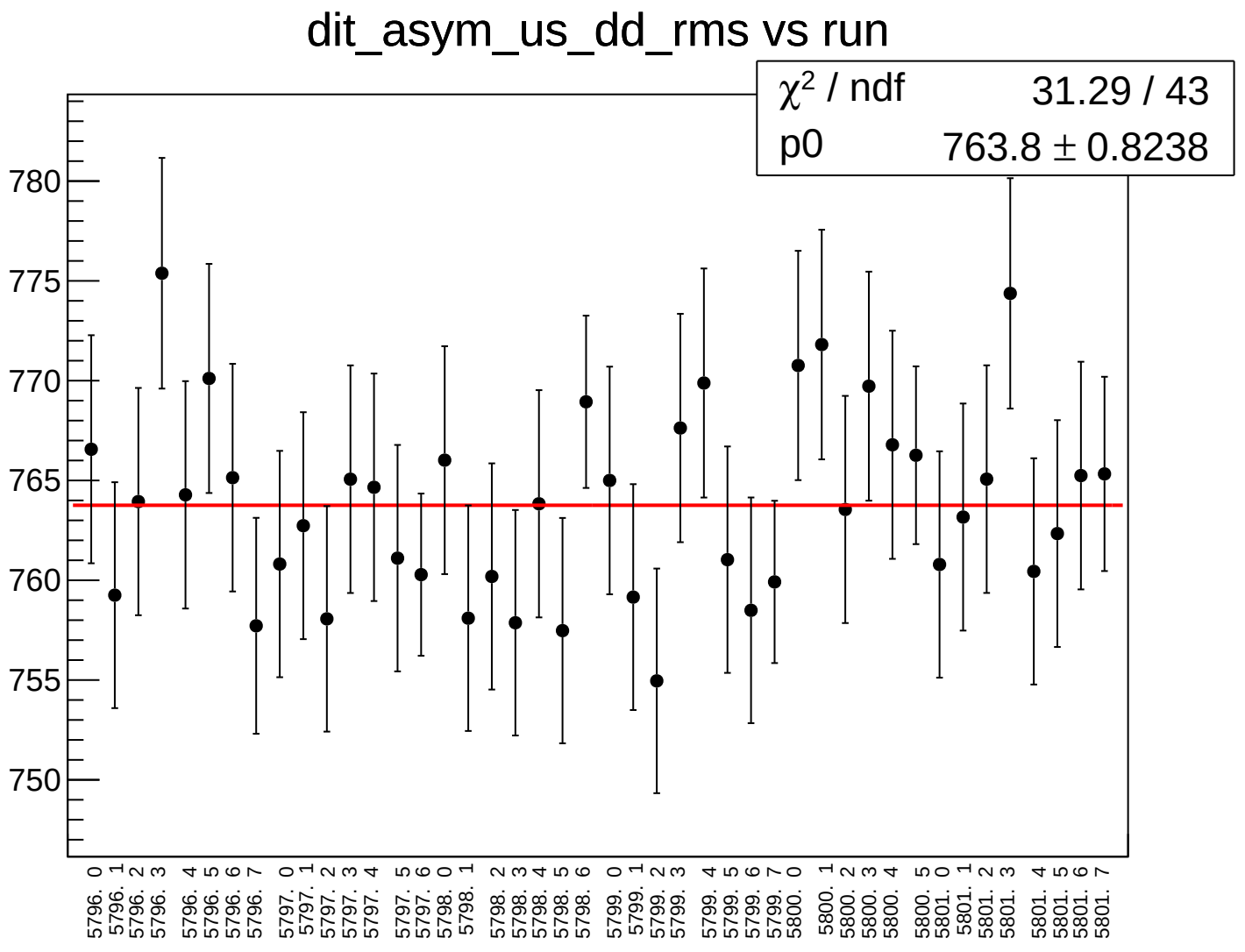

asym_us_avg_mean vs run
χ² / ndf 30.91 / 43
p0 −532.9 ± 2496
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −167.8
Std Dev 180.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

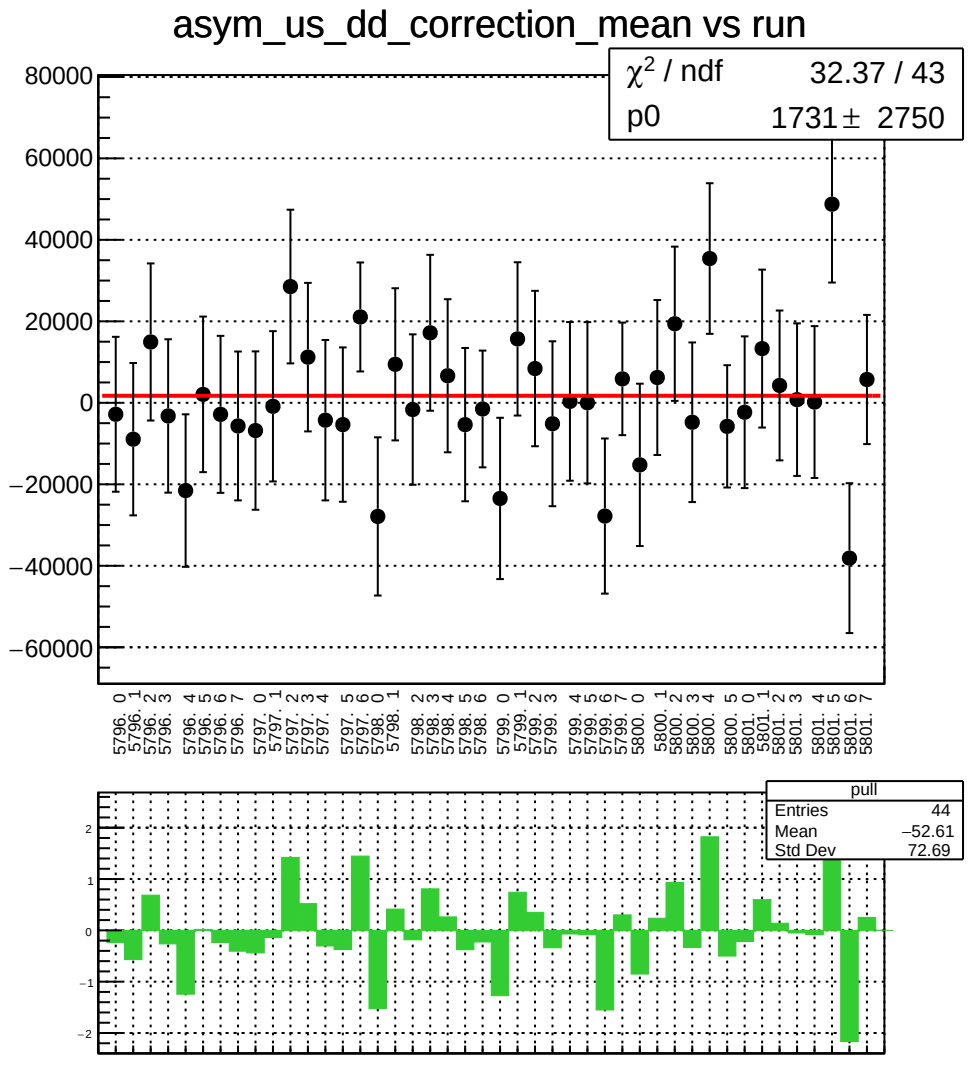

pull1D
Entries 44
Mean 0.00709
Std Dev 0.8381
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

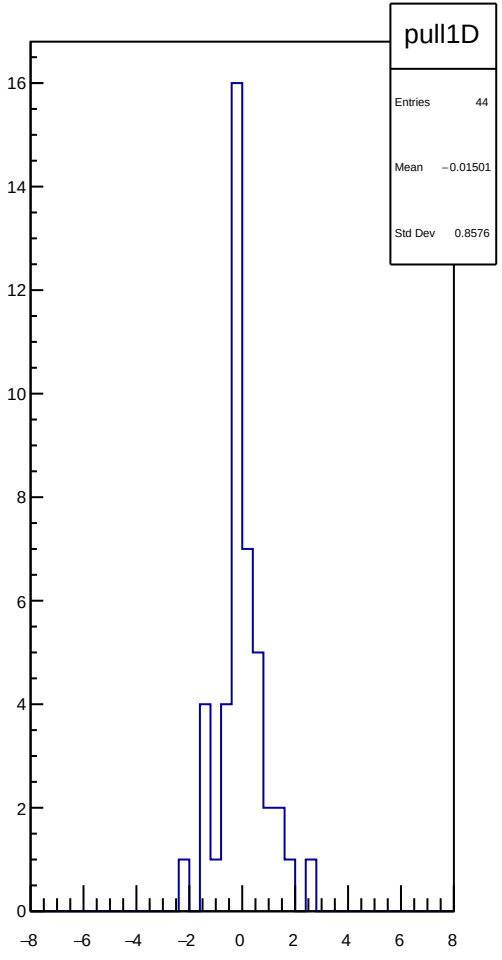

asym_us_avg_rms vs run
χ^2 / ndf 671.9 / 43
p0 1636 ± 1.765
1800
1750
1700
1650
1600
1550
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

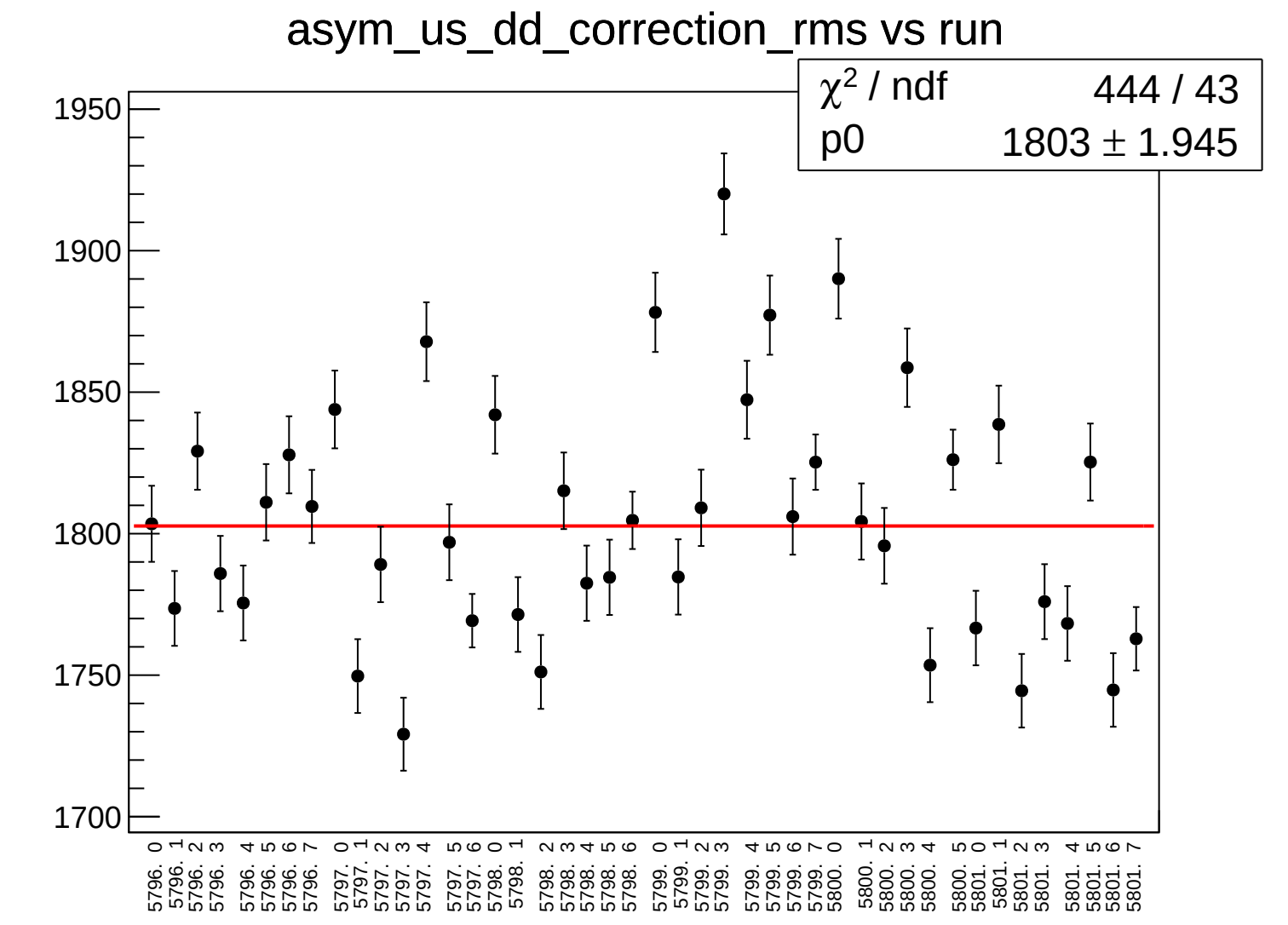

dit_asym_us_dd_mean vs run
χ² / ndf 39.17 / 43
p0 1132 ± 1165
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 39.55
Std Dev 53.41
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

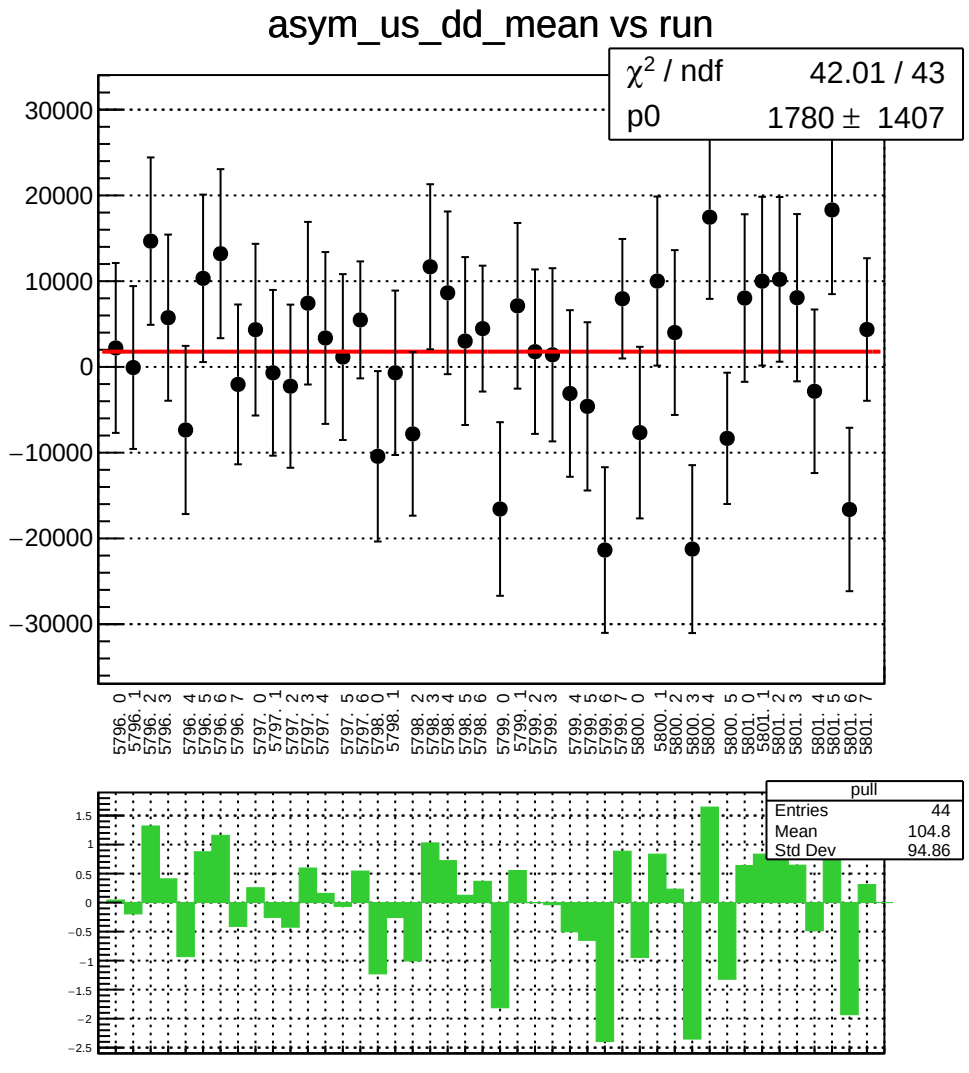

pull1D
Entries 44
Mean −0.016
Std Dev 0.9434
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

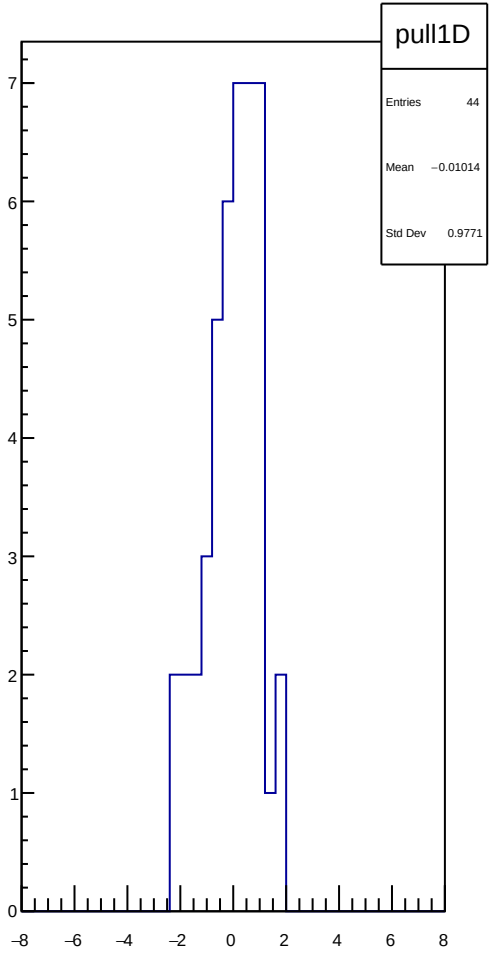

dit_asym_us_dd_rms vs run
χ² / ndf 31.29 / 43
p0 763.8 ± 0.8238
780
775
770
765
760
755
750
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

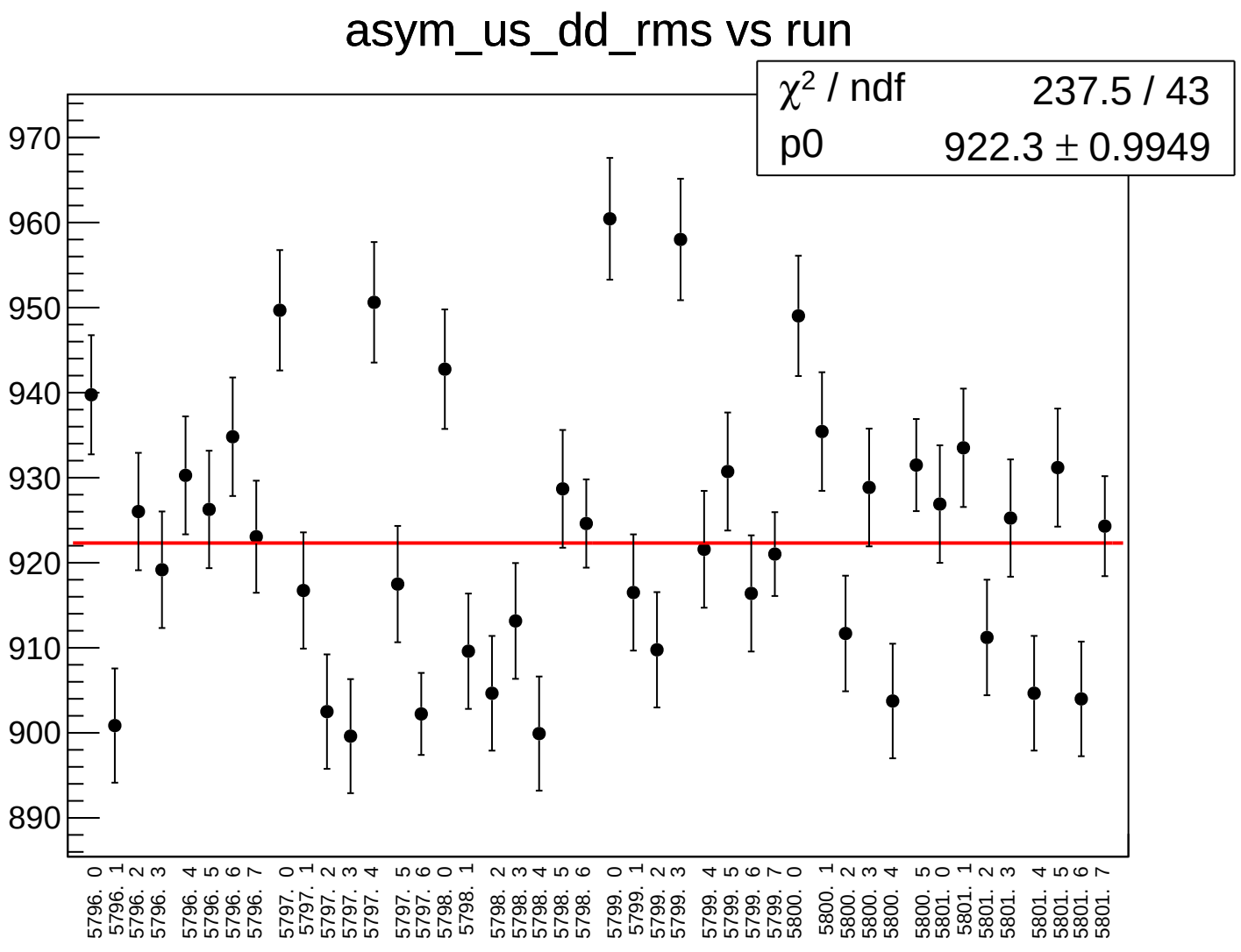

asym_us_dd_correction_mean vs run
χ² / ndf 32.37 / 43
p0 1731 ± 2750
80000
60000
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −52.61
Std Dev 72.69
2
1
0
−1
−2

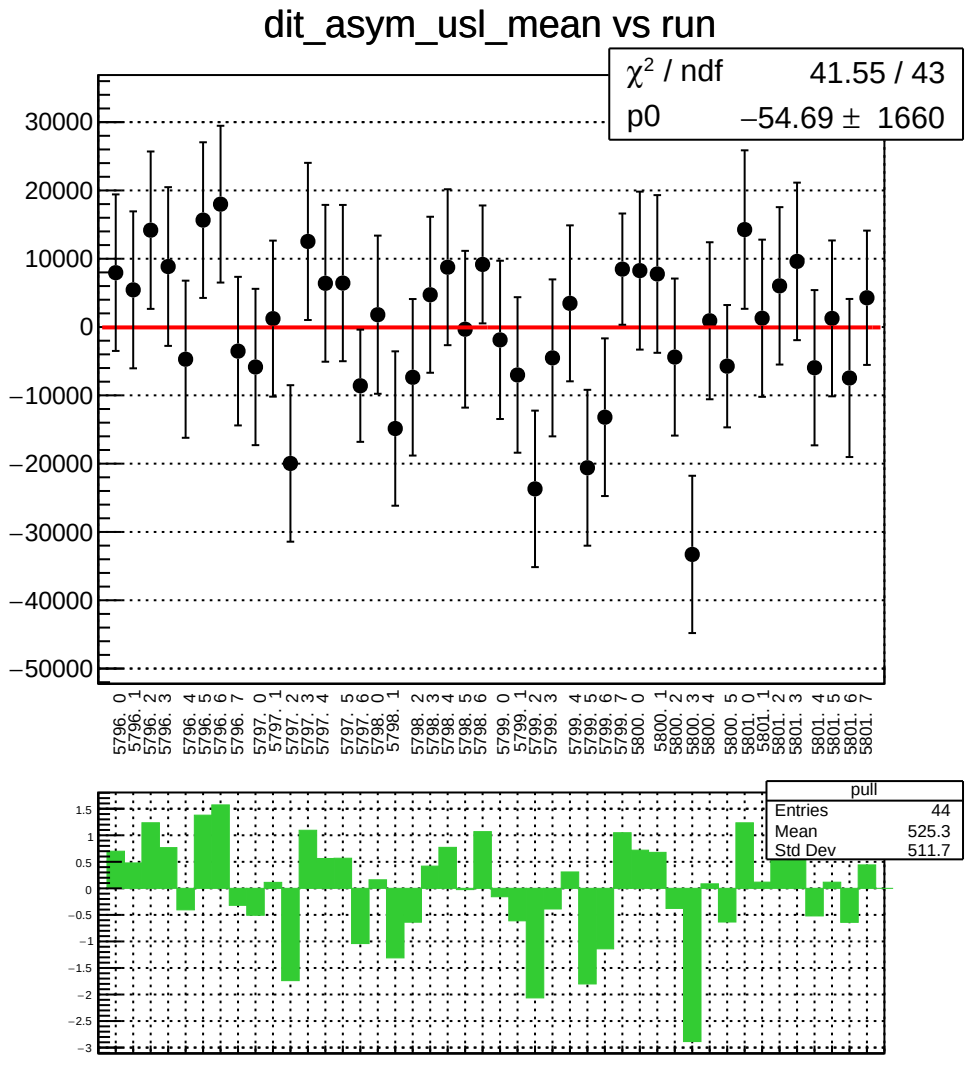

pull1D
Entries 44
Mean −0.01501
Std Dev 0.8576
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

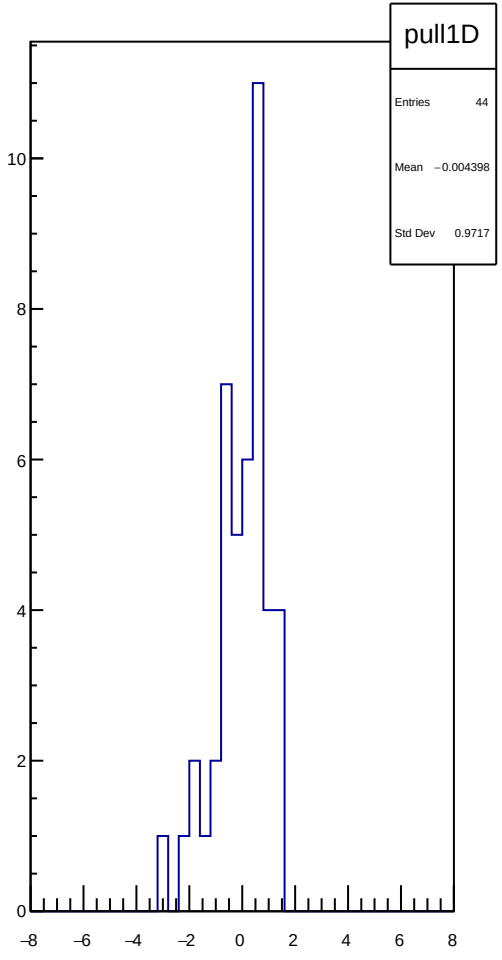

asym_us_dd_correction_rms vs run
χ² / ndf 444 / 43
p0 1803 ± 1.945
1950
1900
1850
1800
1750
1700
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

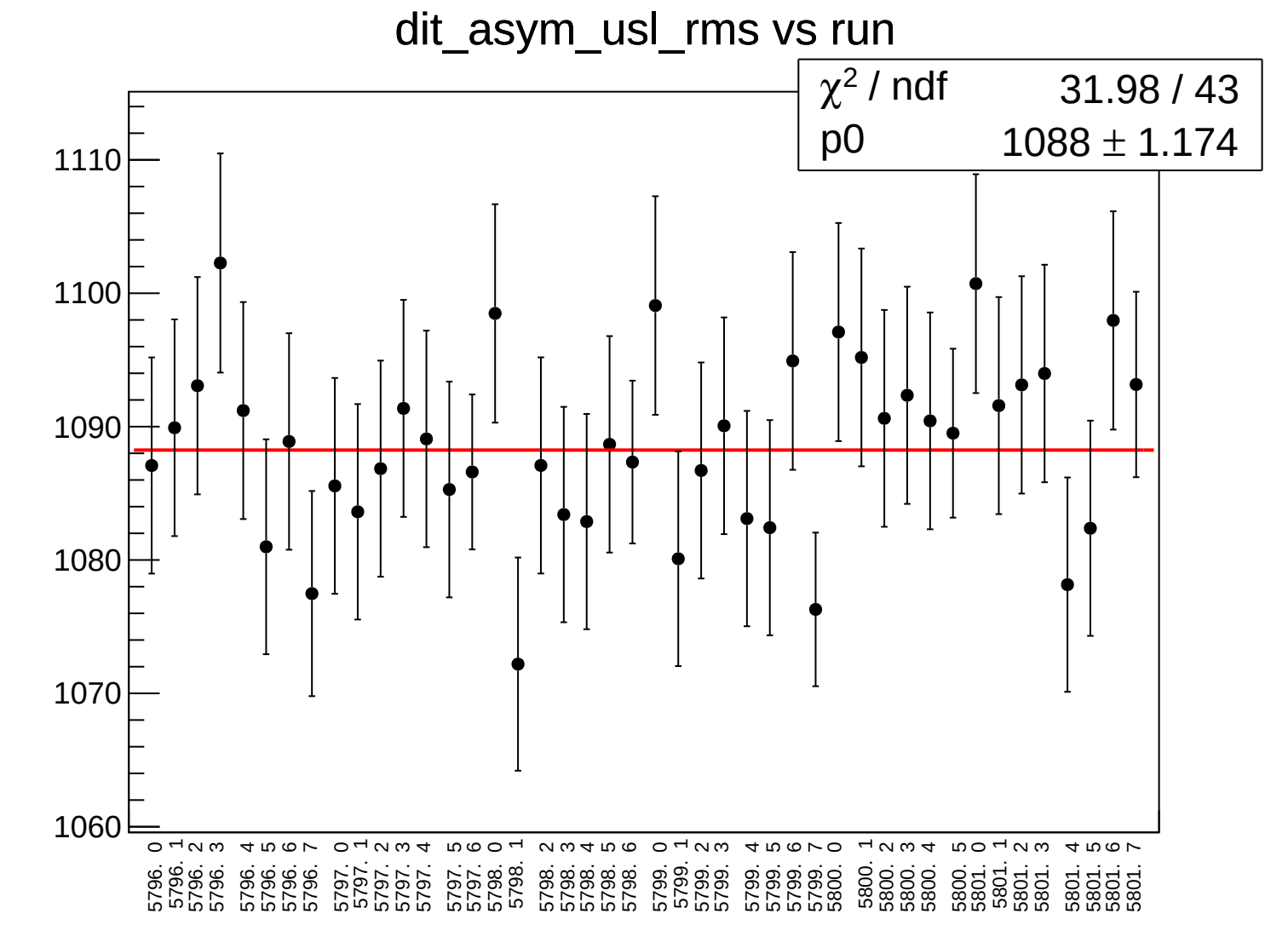

asym_us_dd_mean vs run
χ² / ndf 42.01 / 43
p0 1780 ± 1407
30000
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 104.8
Std Dev 94.86
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

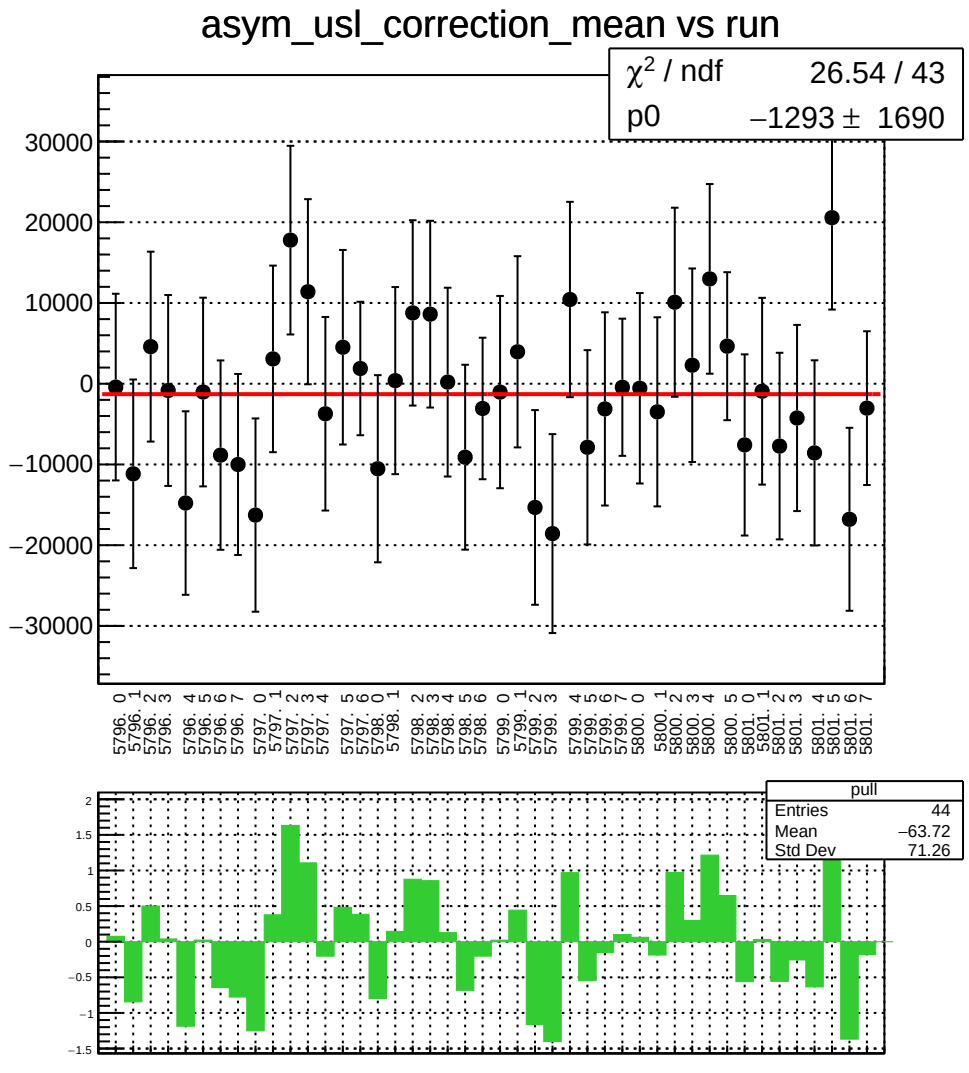

pull1D
Entries 44
Mean −0.01014
Std Dev 0.9771
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

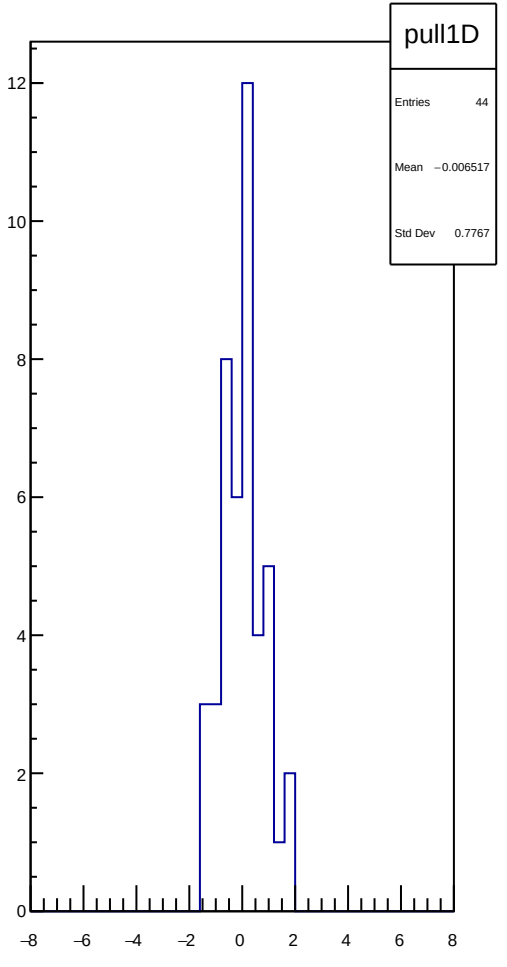

asym_us_dd_rms vs run
χ^2 / ndf 237.5 / 43
p0 922.3 ± 0.9949
970
960
950
940
930
920
910
900
890
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

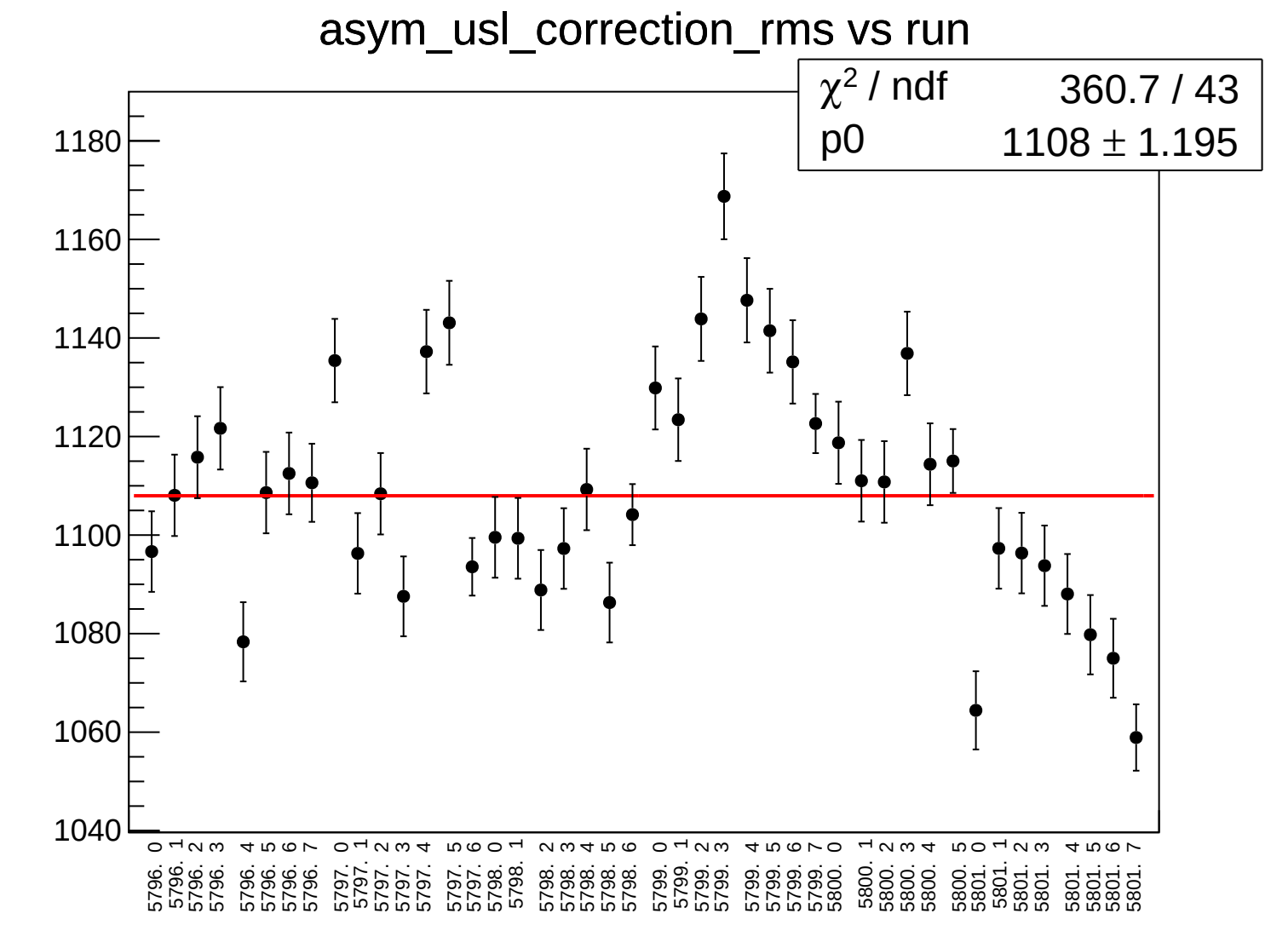

dit_asym_usl_mean vs run
χ² / ndf 41.55 / 43
p0 −54.69 ± 1660
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 525.3
Std Dev 511.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

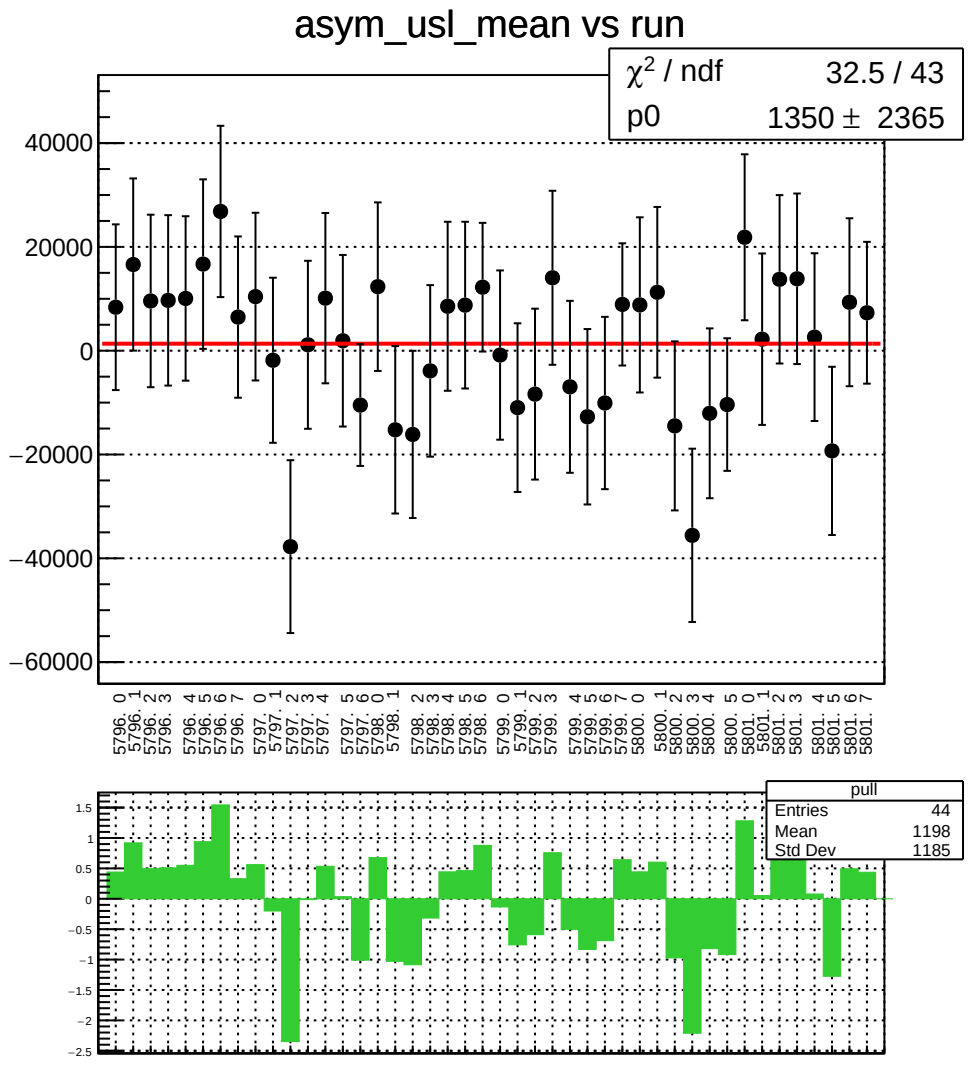

pull1D
Entries 44
Mean −0.004398
Std Dev 0.9717
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

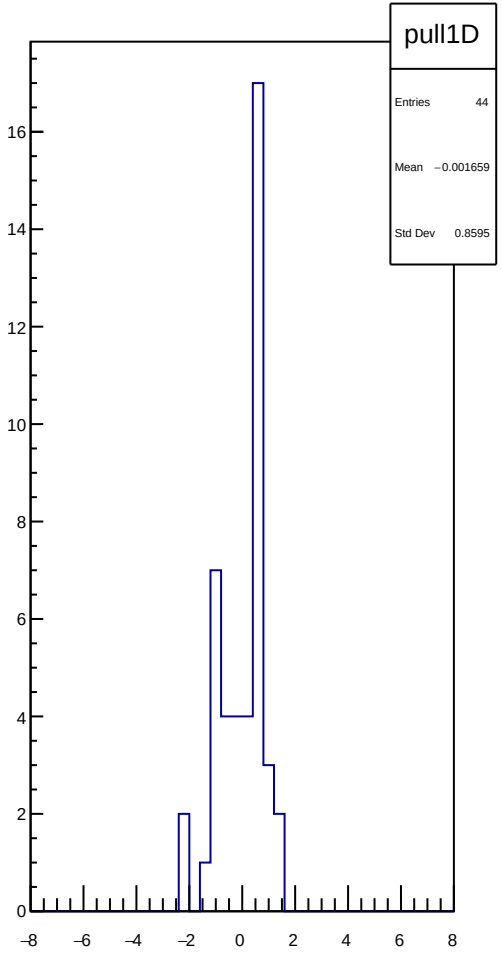

dit_asym_usl_rms vs run
χ² / ndf 31.98 / 43
p0 1088 ± 1.174
1110
1100
1090
1080
1070
1060
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

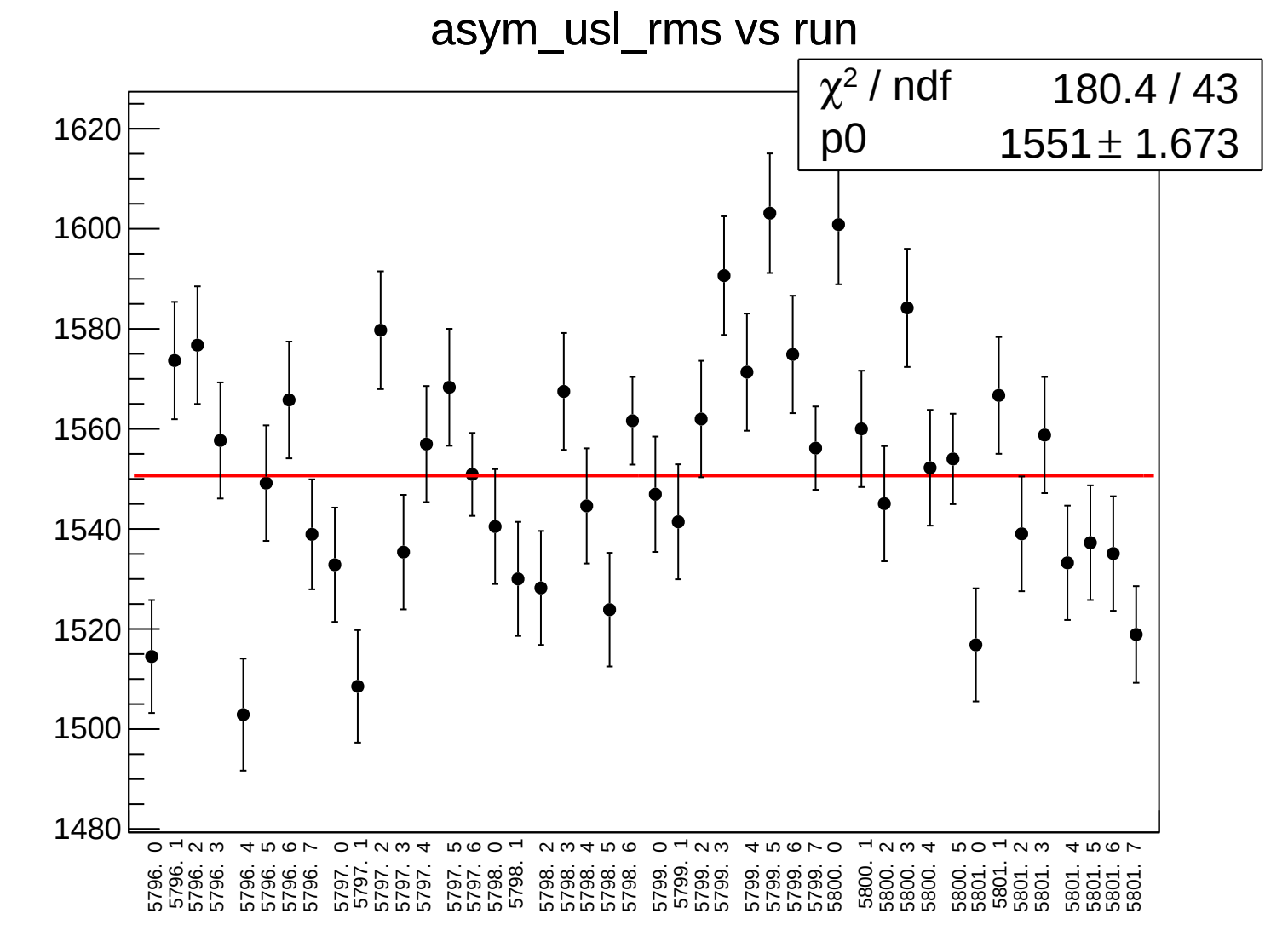

asym_usl_correction_mean vs run
χ² / ndf 26.54 / 43
p0 −1293 ± 1690
30000
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −63.72
Std Dev 71.26
2
1.5
1
0.5
0
−0.5
−1
−1.5

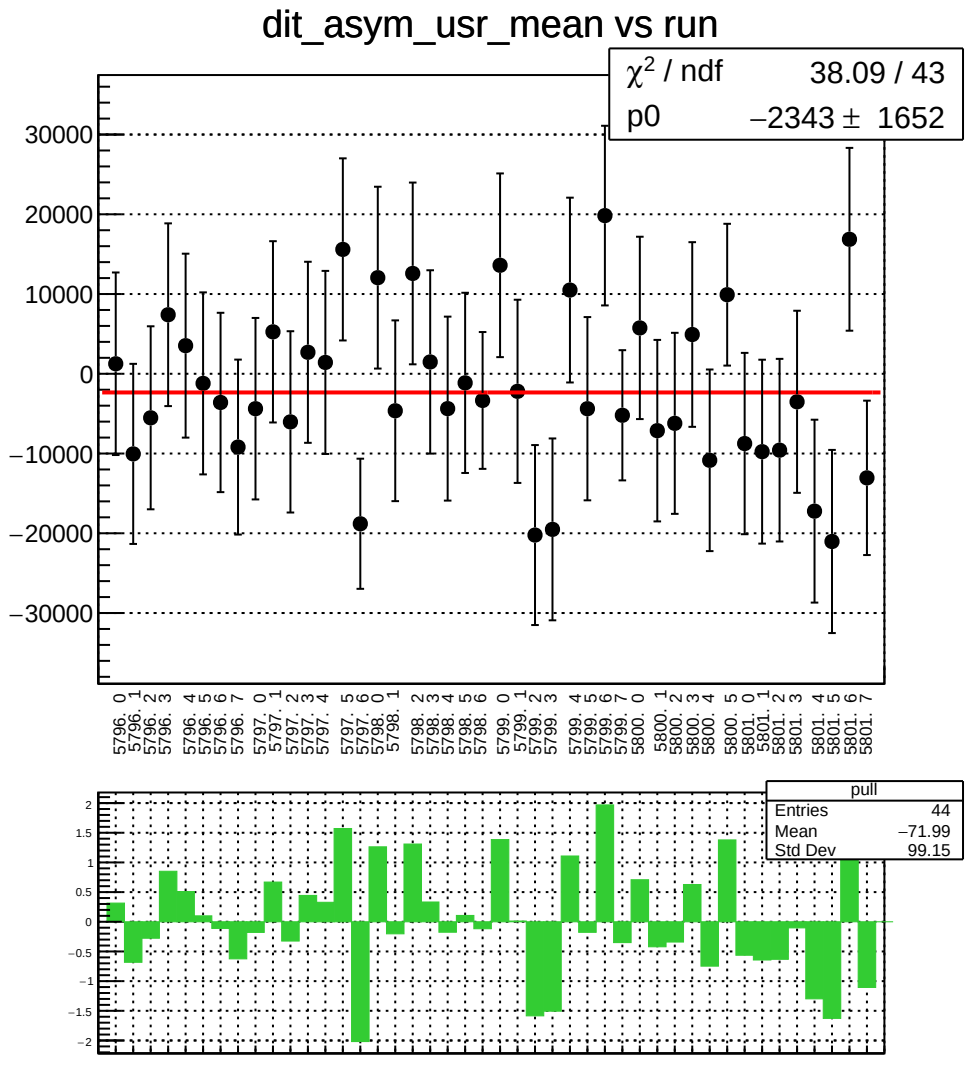

pull1D
Entries 44
Mean −0.006517
Std Dev 0.7767
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

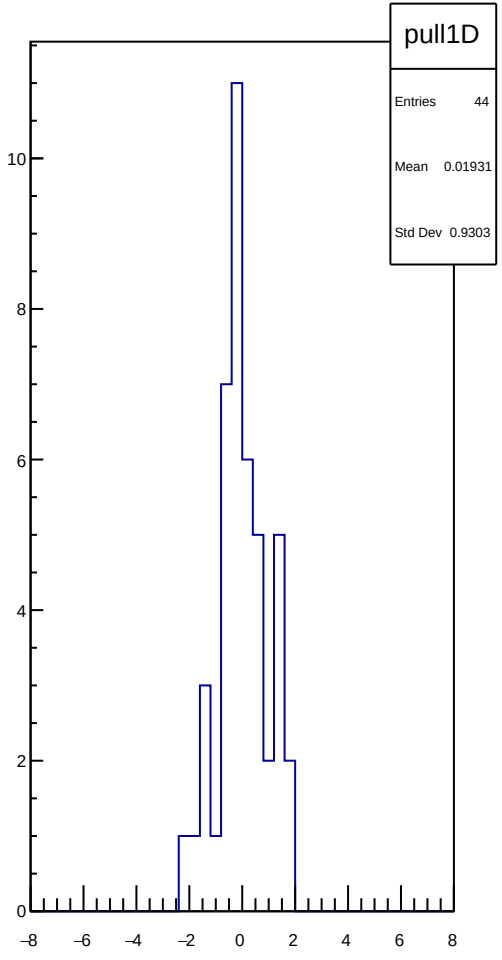

asym_usl_correction_rms vs run
χ² / ndf 360.7 / 43
p0 1108 ± 1.195
1180
1160
1140
1120
1100
1080
1060
1040
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

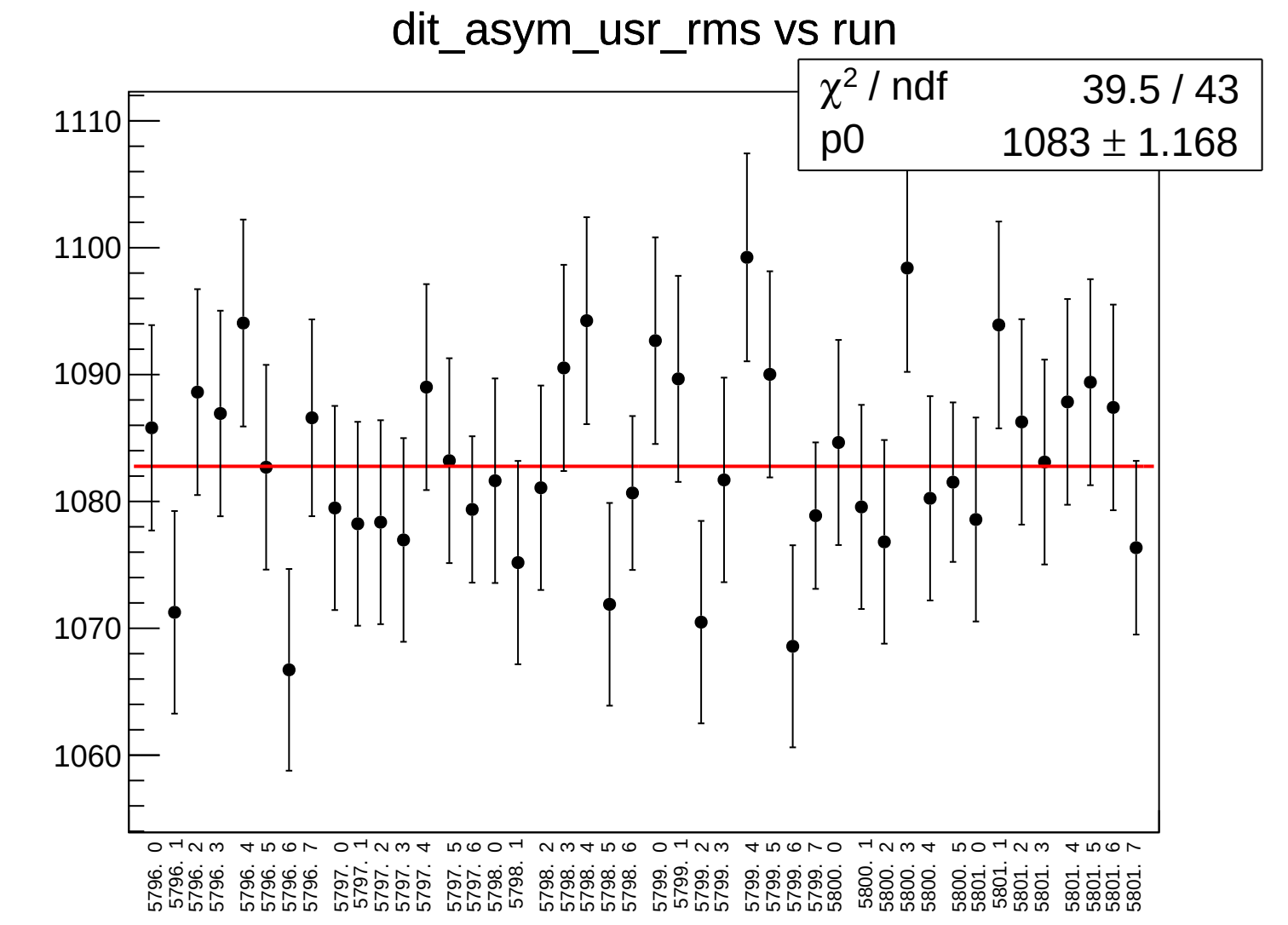

asym_usl_mean vs run
χ² / ndf 32.5 / 43
p0 1350 ± 2365
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 1198
Std Dev 1185
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

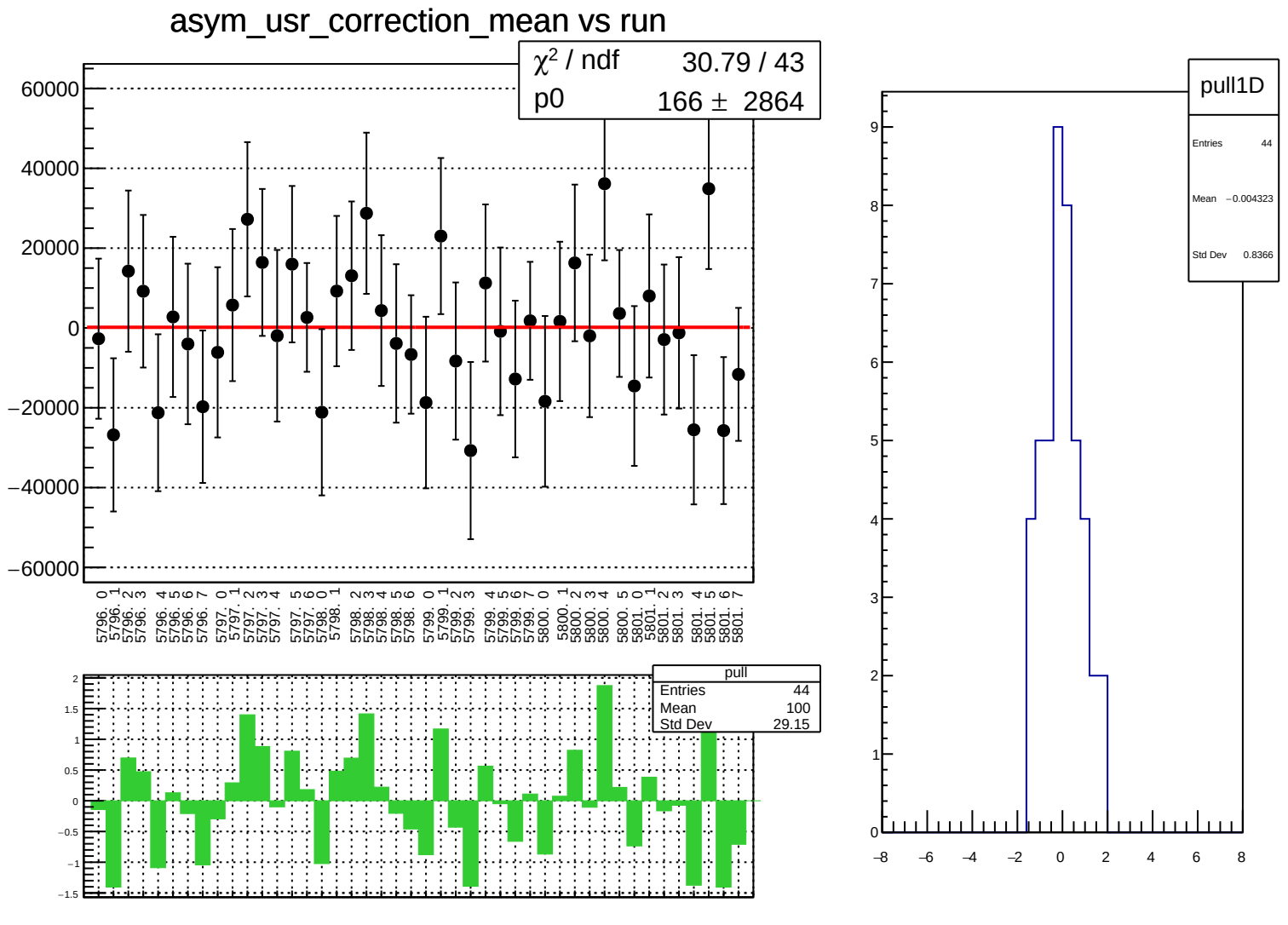

pull1D
Entries 44
Mean −0.001659
Std Dev 0.8595
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

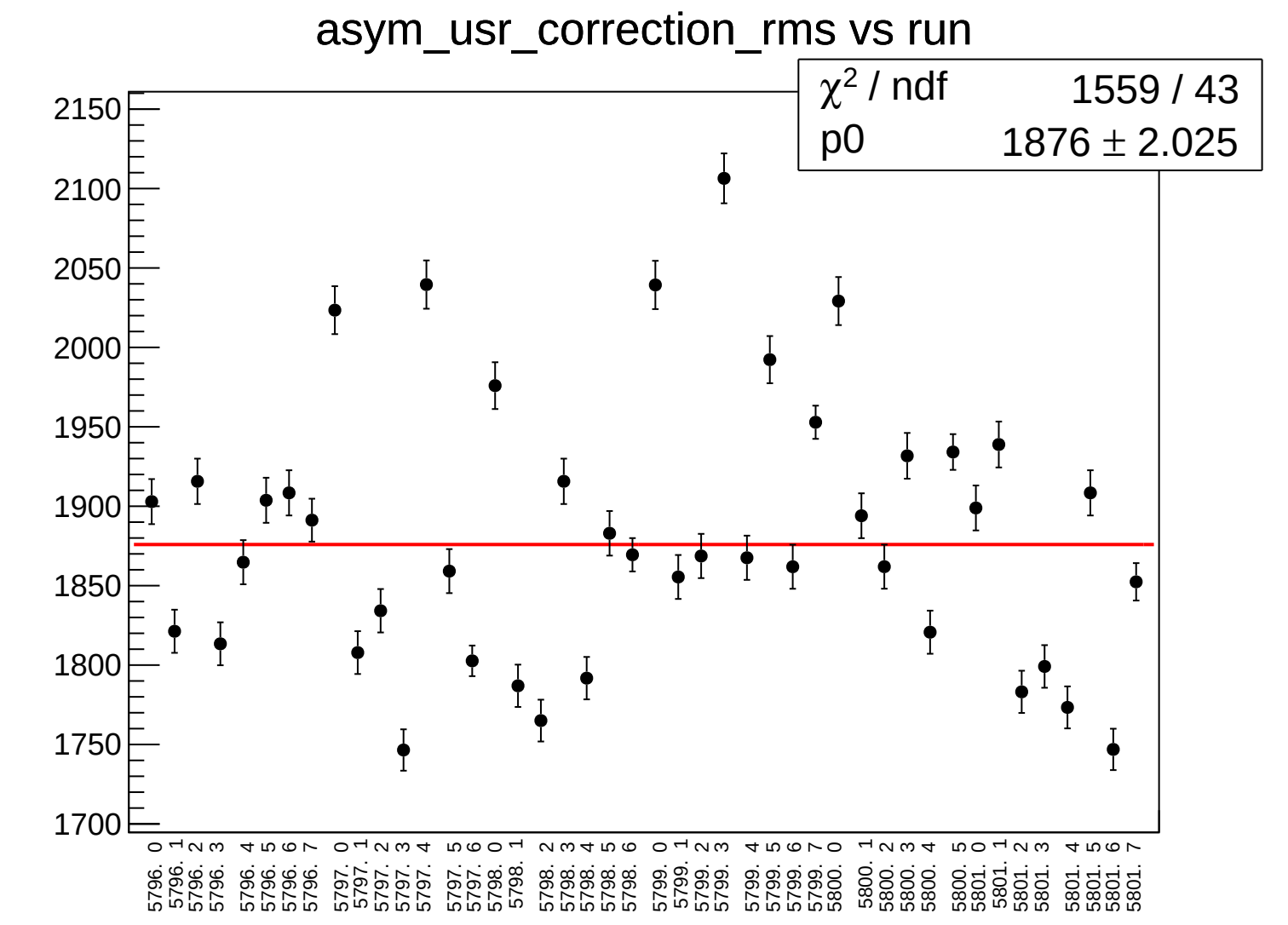

asym_usl_rms vs run
χ² / ndf 180.4 / 43
p0 1551 ± 1.673
1620
1600
1580
1560
1540
1520
1500
1480
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

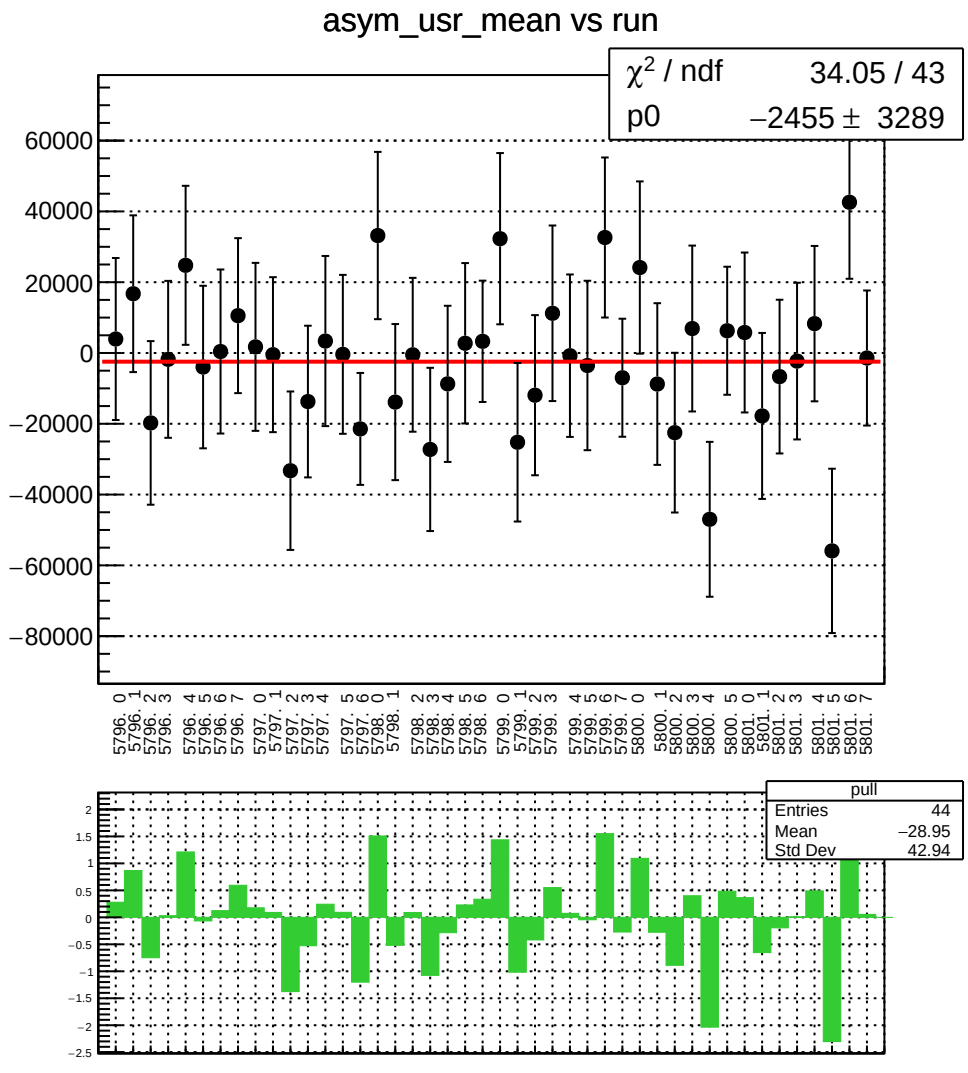

dit_asym_usr_mean vs run
χ^2 / ndf 38.09 / 43
p0 −2343 ± 1652
30000
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −71.99
Std Dev 99.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

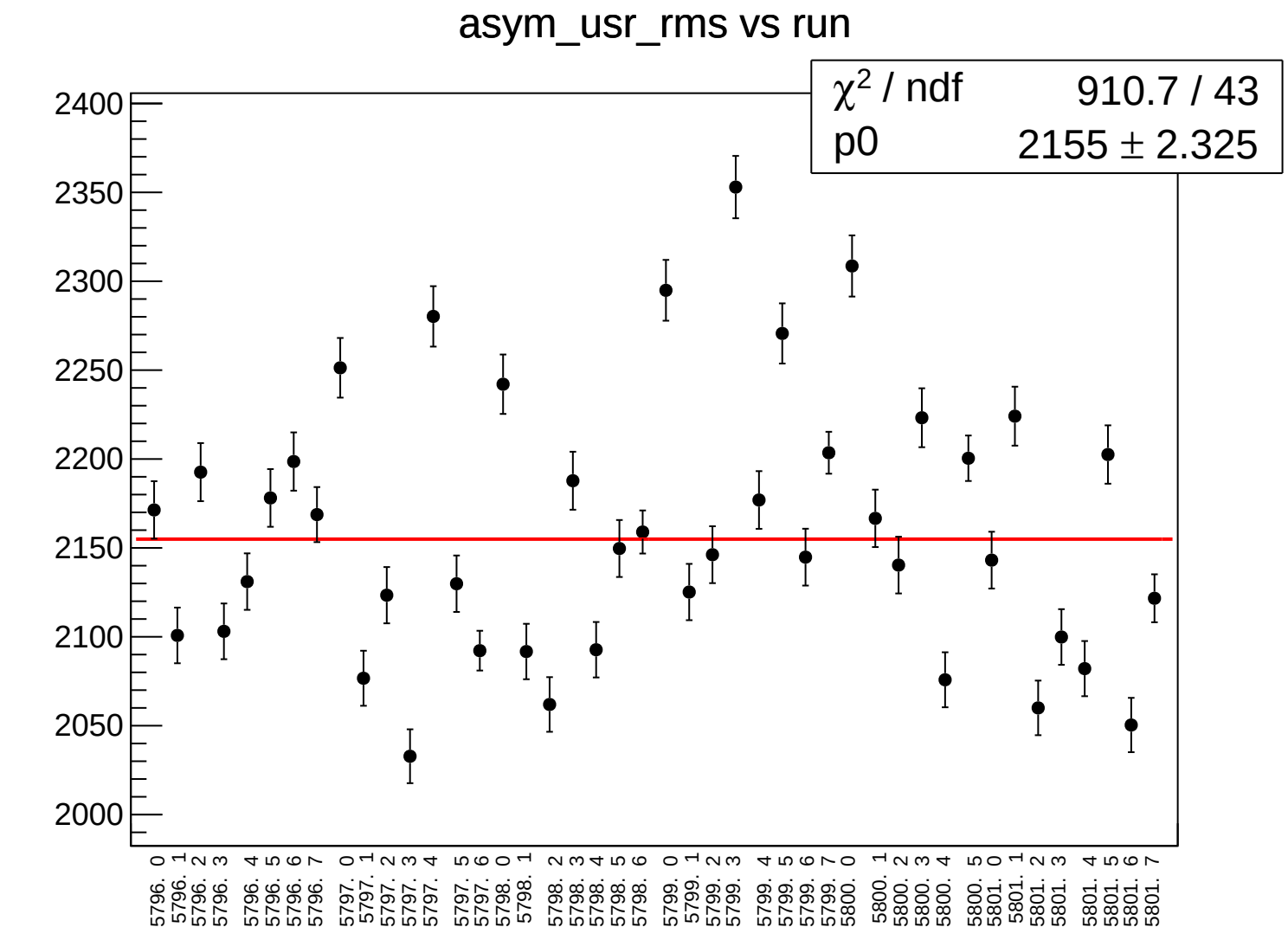

pull1D
Entries 44
Mean 0.01931
Std Dev 0.9303
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

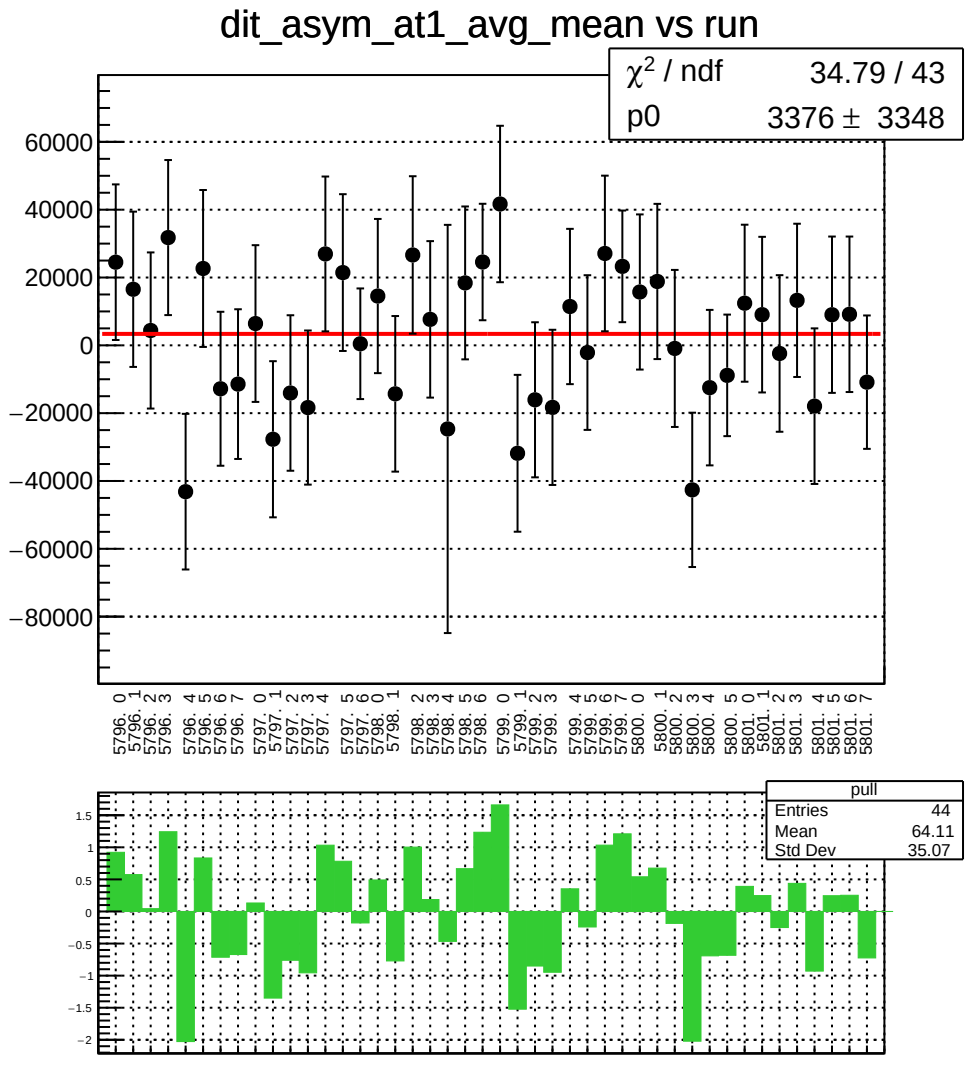

dit_asym_usr_rms vs run
χ² / ndf 39.5 / 43
p0 1083 ± 1.168
1110
1100
1090
1080
1070
1060
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

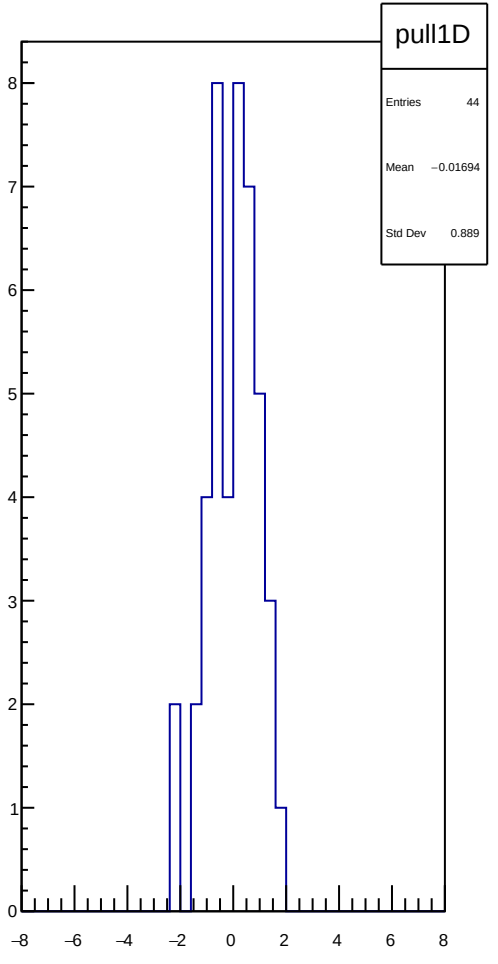

asym_usr_correction_mean vs run
χ² / ndf 30.79 / 43
p0 166 ± 2864
pull
Entries 44
Mean 100
Std Dev 29.15
pull1D
Entries 44
Mean −0.004323
Std Dev 0.8366

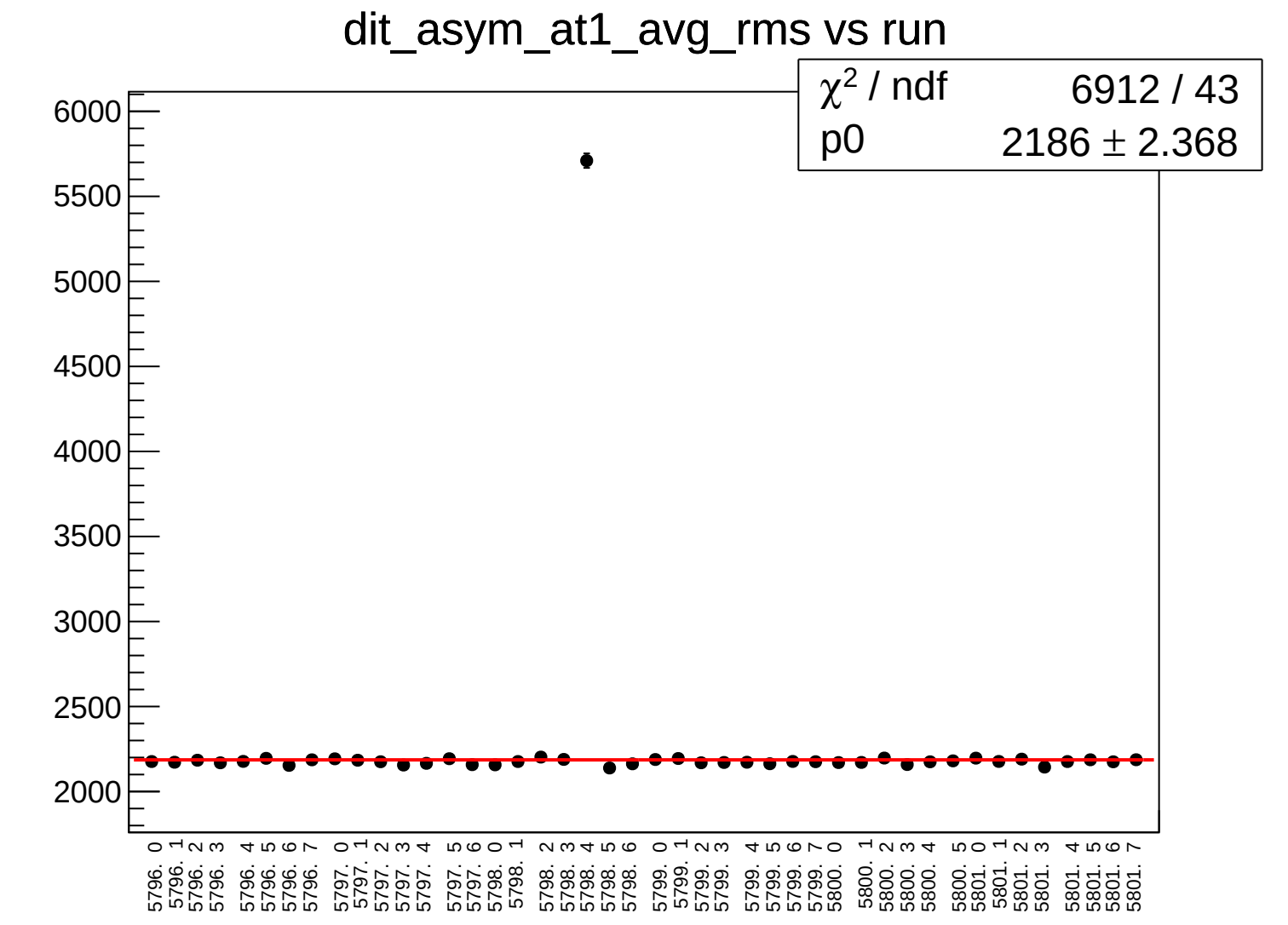

asym_usr_correction_rms vs run
χ² / ndf 1559 / 43
p0 1876 ± 2.025
2150
2100
2050
2000
1950
1900
1850
1800
1750
1700
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

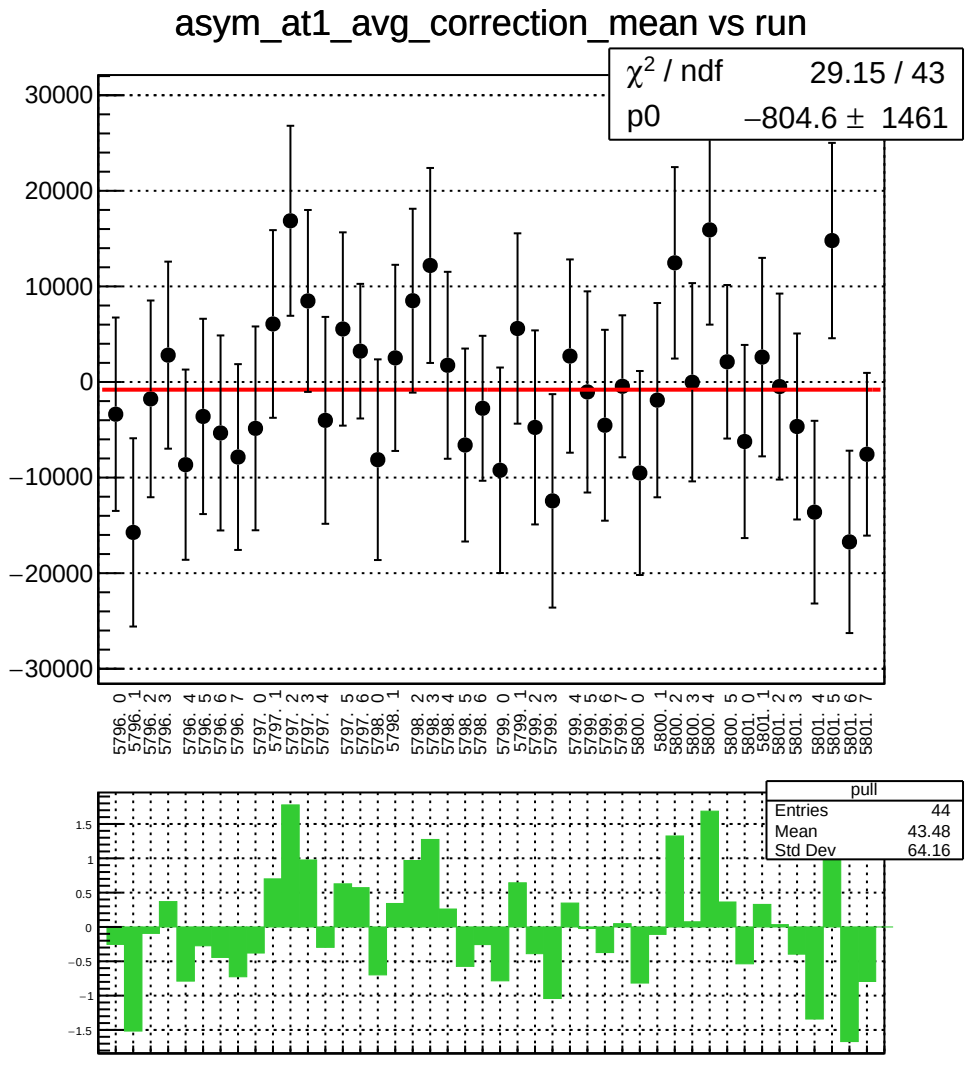

asym_usr_mean vs run
χ² / ndf 34.05 / 43
p0 −2455 ± 3289
60000
40000
20000
0
−20000
−40000
−60000
−80000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −28.95
Std Dev 42.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 44
Mean 0.0128
Std Dev 0.8796
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

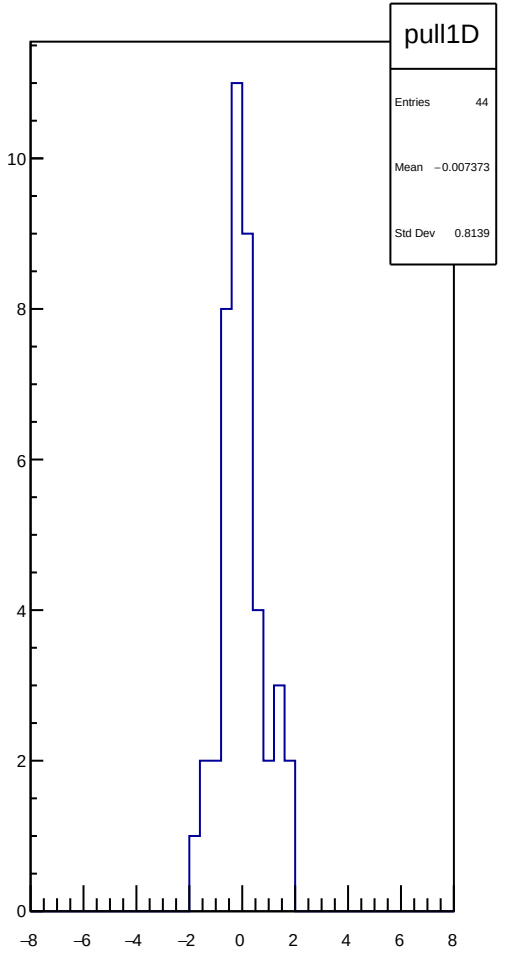

asym_usr_rms vs run
χ^2 / ndf 910.7 / 43
p0 2155 ± 2.325
2400
2350
2300
2250
2200
2150
2100
2050
2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

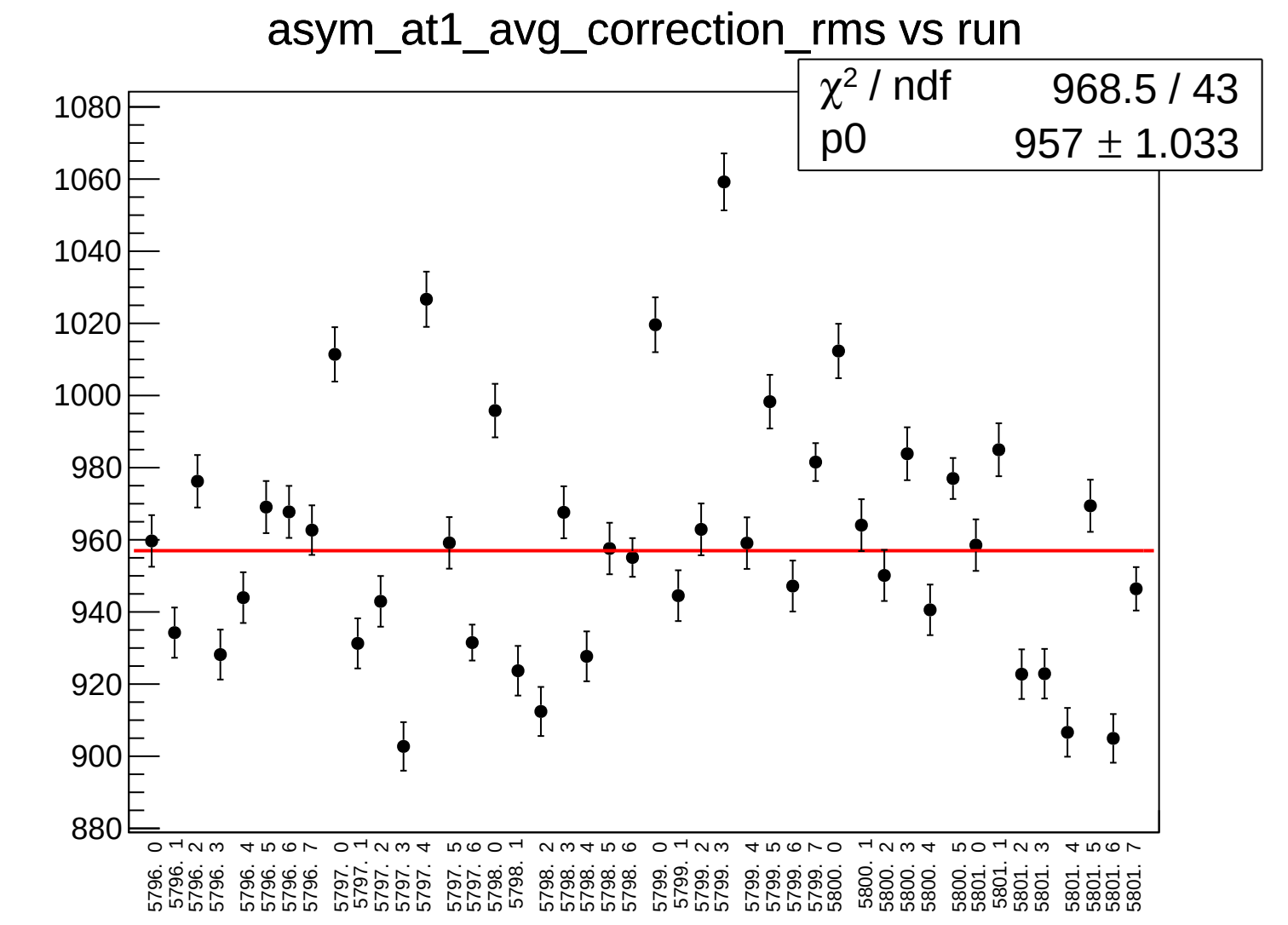

dit_asym_at1_avg_mean vs run
χ² / ndf 34.79 / 43
p0 3376 ± 3348
60000
40000
20000
0
−20000
−40000
−60000
−80000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 64.11
Std Dev 35.07
1.5
1
0.5
0
−0.5
−1
−1.5
−2

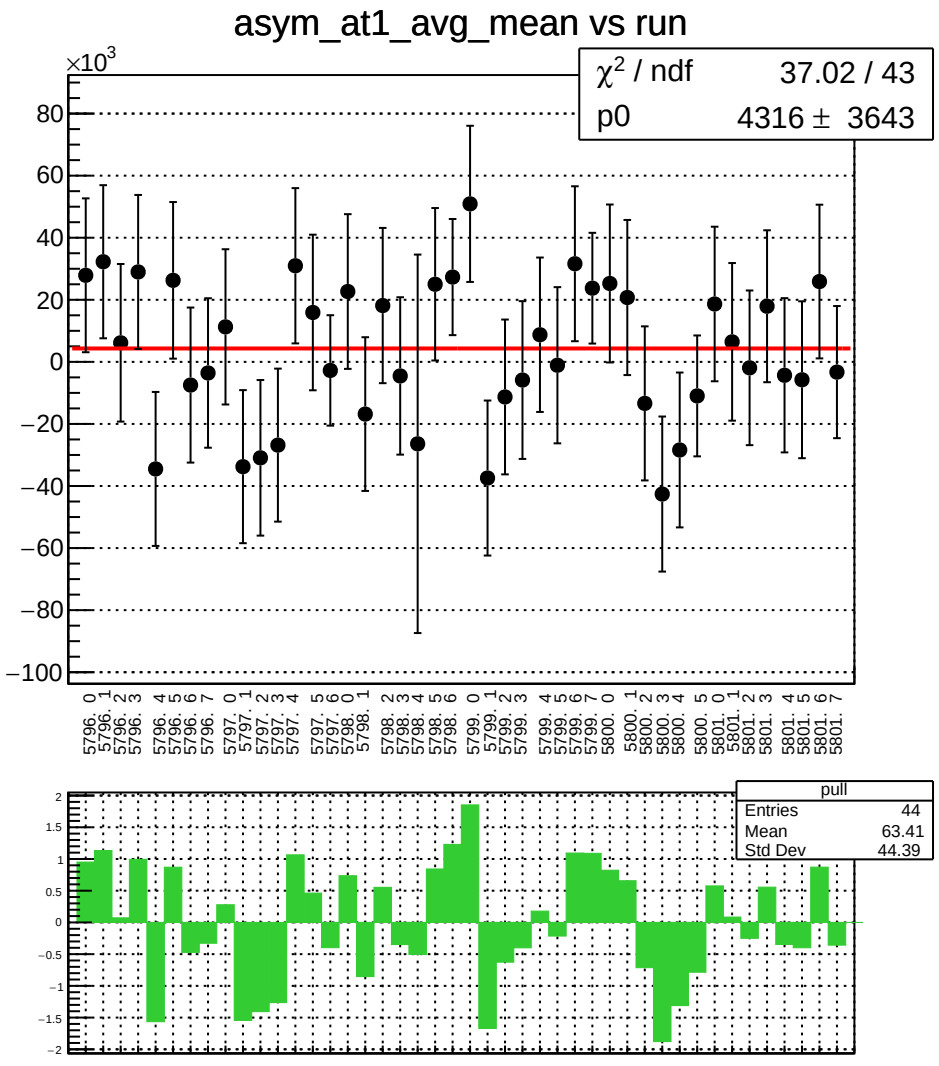

pull1D
Entries 44
Mean −0.01694
Std Dev 0.889
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

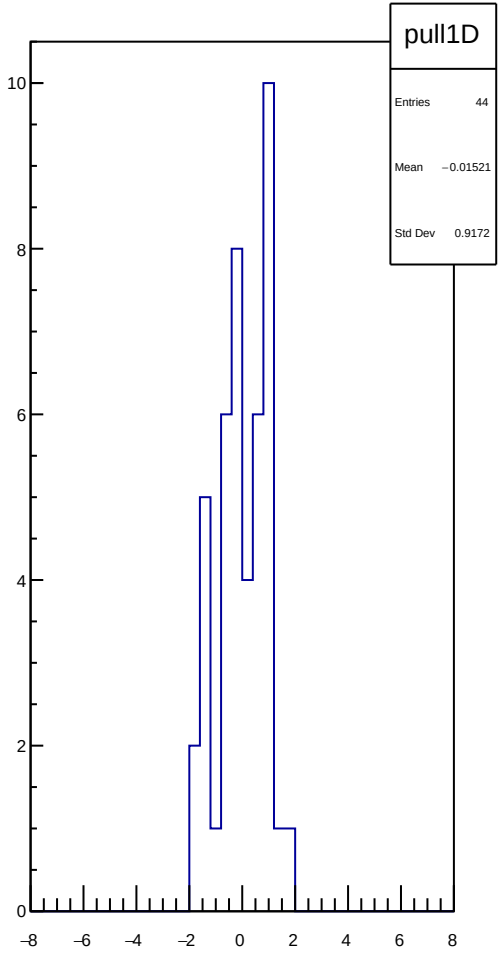

dit_asym_at1_avg_rms vs run
χ² / ndf 6912 / 43
p0 2186 ± 2.368
6000
5500
5000
4500
4000
3500
3000
2500
2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

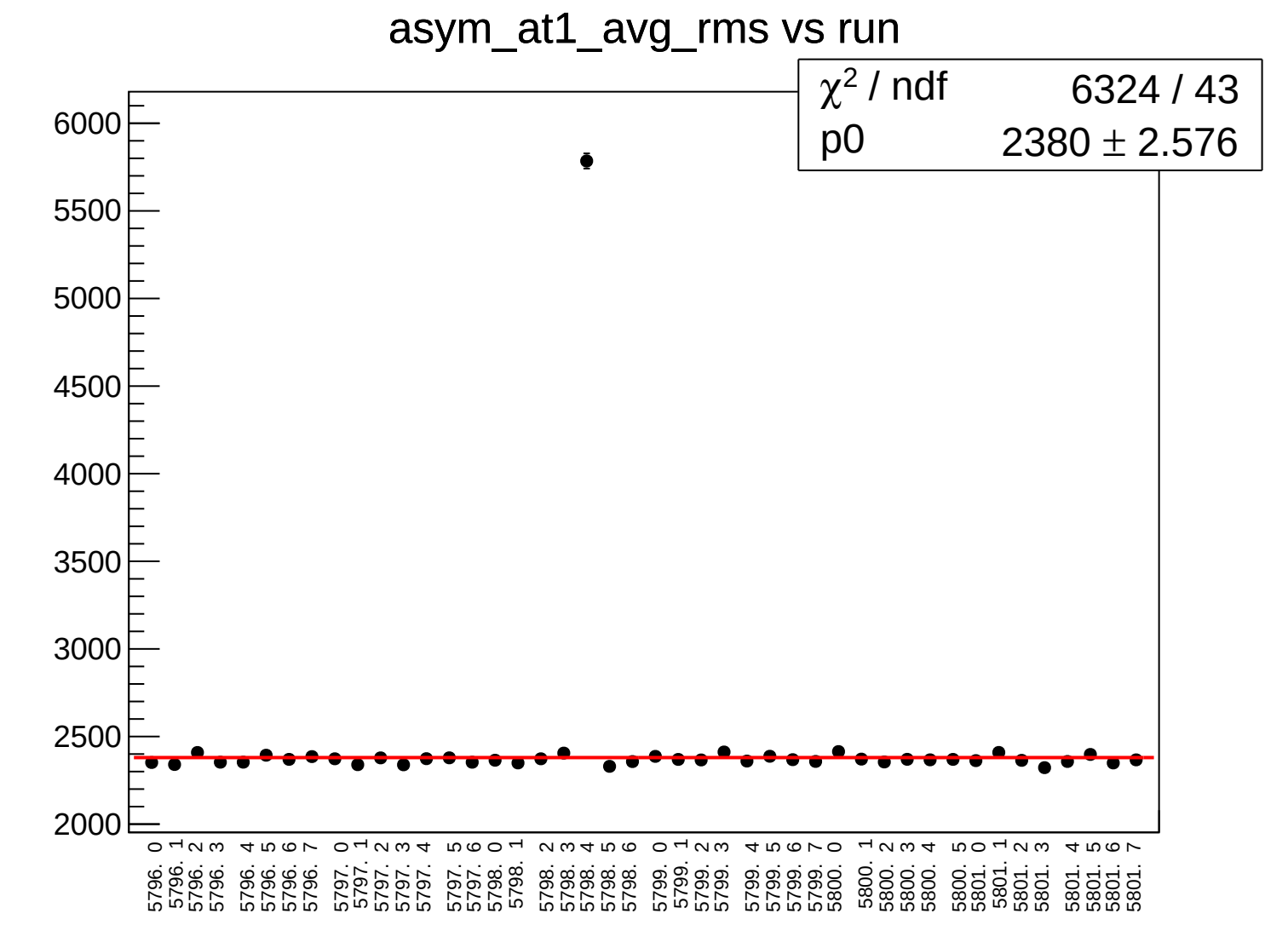

asym_at1_avg_correction_mean vs run
χ² / ndf 29.15 / 43
p0 −804.6 ± 1461
30000
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 43.48
Std Dev 64.16
1.5
1
0.5
0
−0.5
−1
−1.5

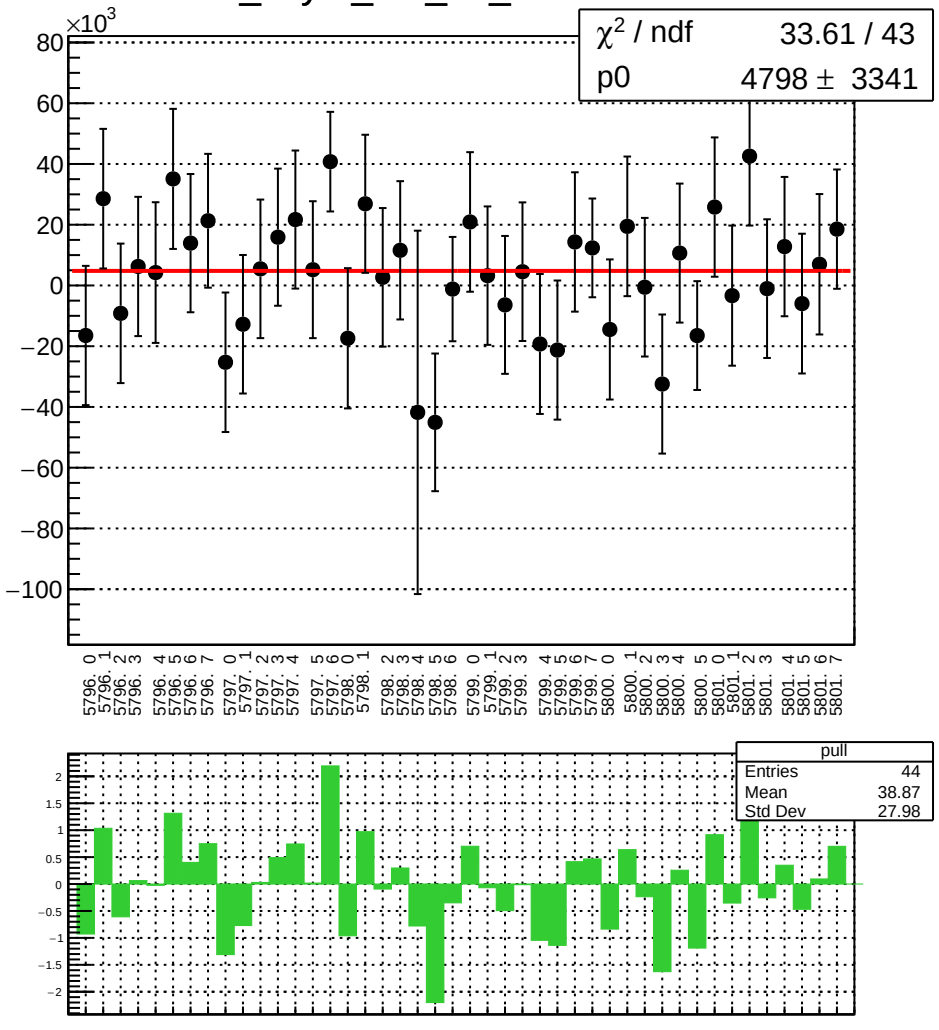

pull1D
Entries 44
Mean −0.007373
Std Dev 0.8139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

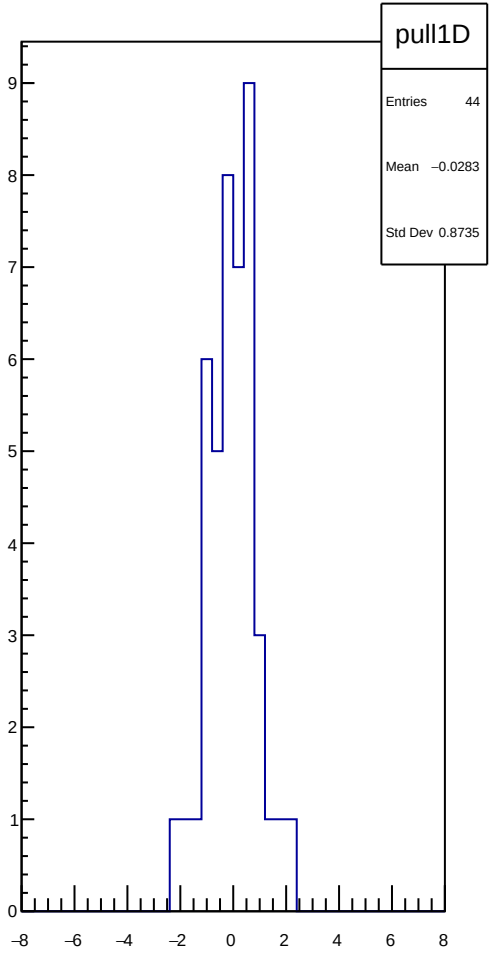

asym_at1_avg_correction_rms vs run
χ^2 / ndf 968.5 / 43
p0 957 ± 1.033
1080
1060
1040
1020
1000
980
960
940
920
900
880
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

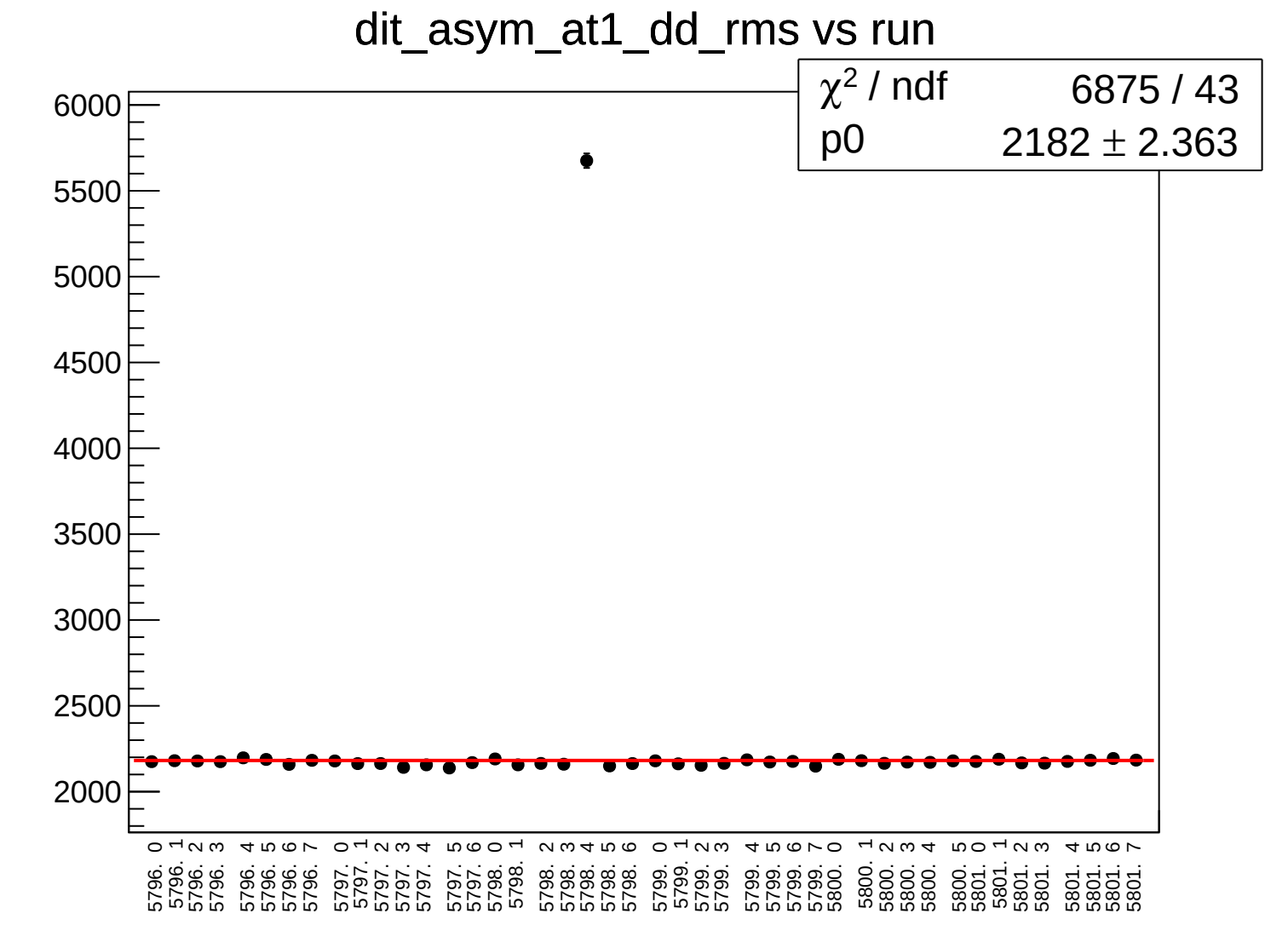

asym_at1_avg_mean vs run
×10^3
χ² / ndf 37.02 / 43
p0 4316 ± 3643
pull
Entries 44
Mean 63.41
Std Dev 44.39

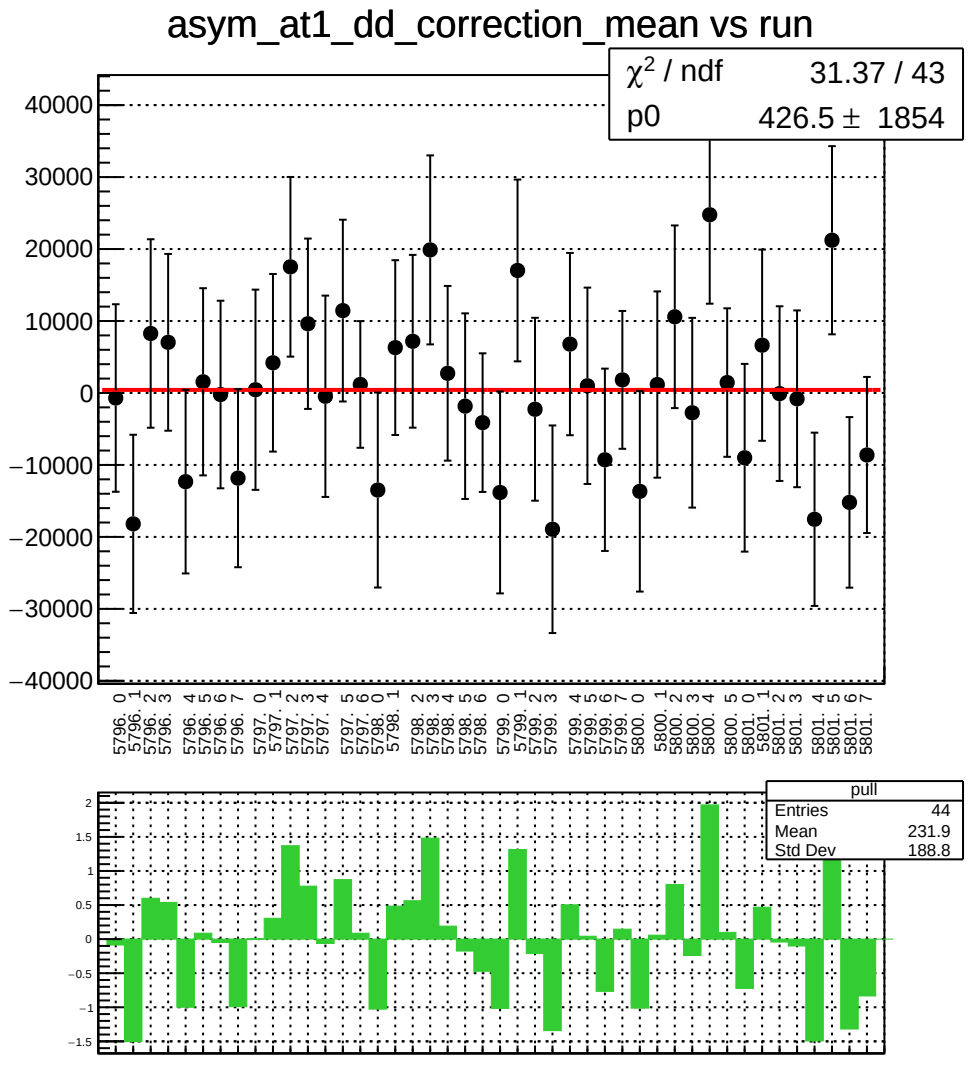

pull1D
Entries 44
Mean −0.01521
Std Dev 0.9172

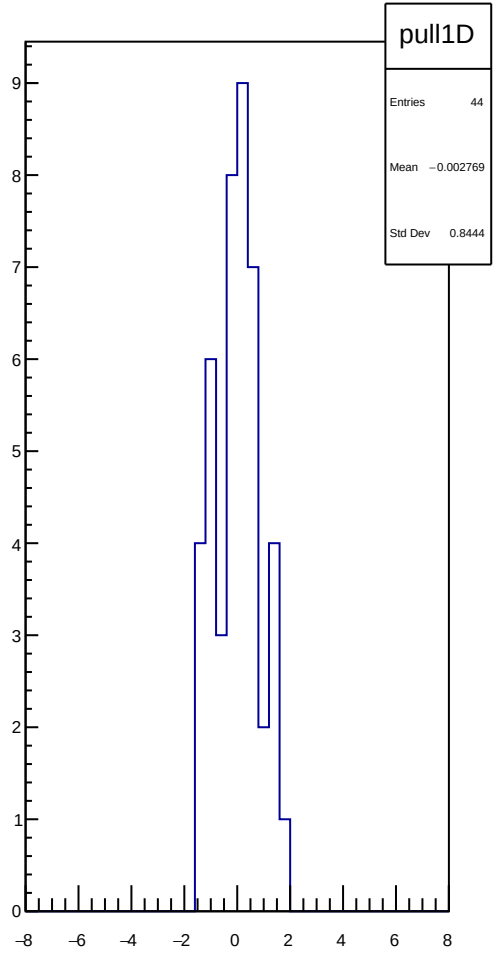

asym_at1_avg_rms vs run
χ² / ndf 6324 / 43
p0 2380 ± 2.576
6000
5500
5000
4500
4000
3500
3000
2500
2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

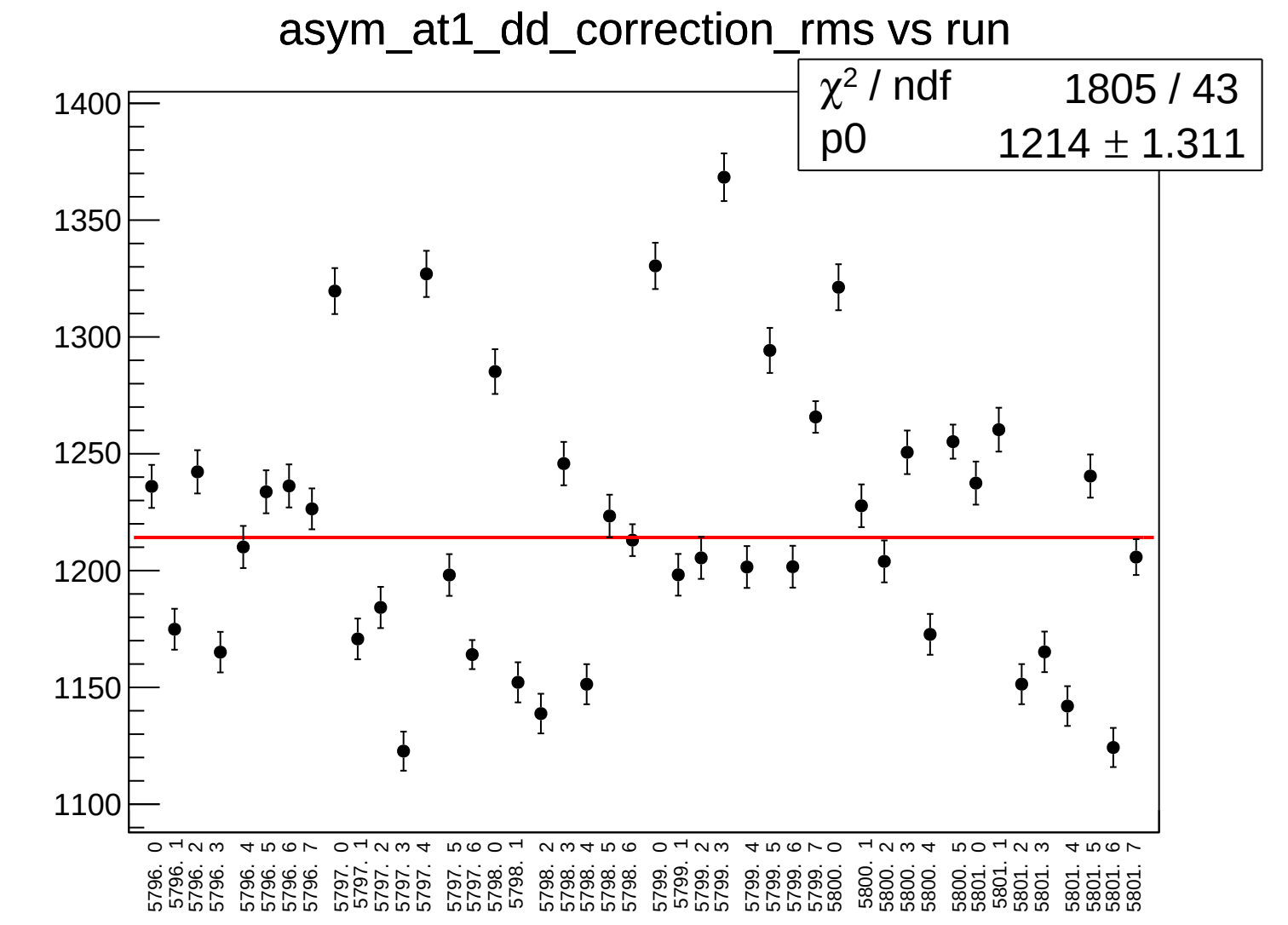

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 33.61 / 43
p0 4798 ± 3341
pull
Entries 44
Mean 38.87
Std Dev 27.98

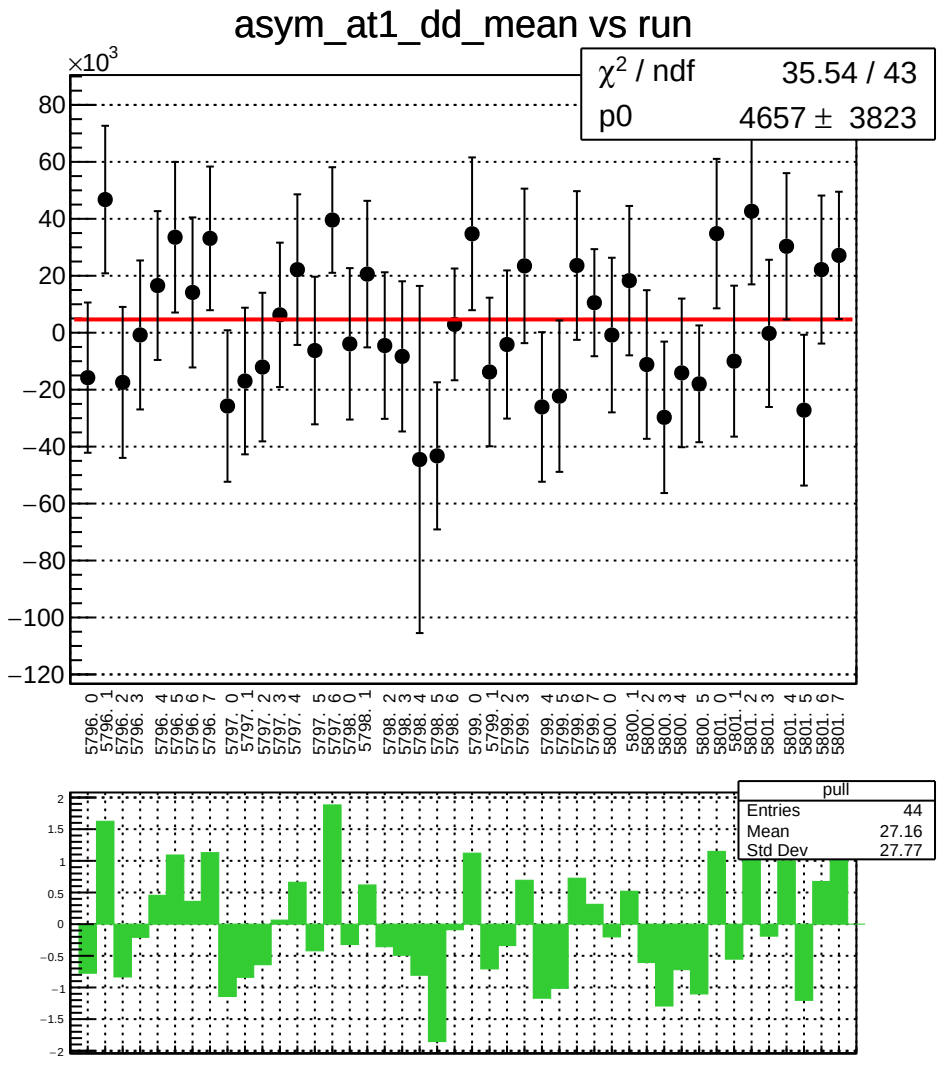

pull1D
Entries 44
Mean −0.0283
Std Dev 0.8735

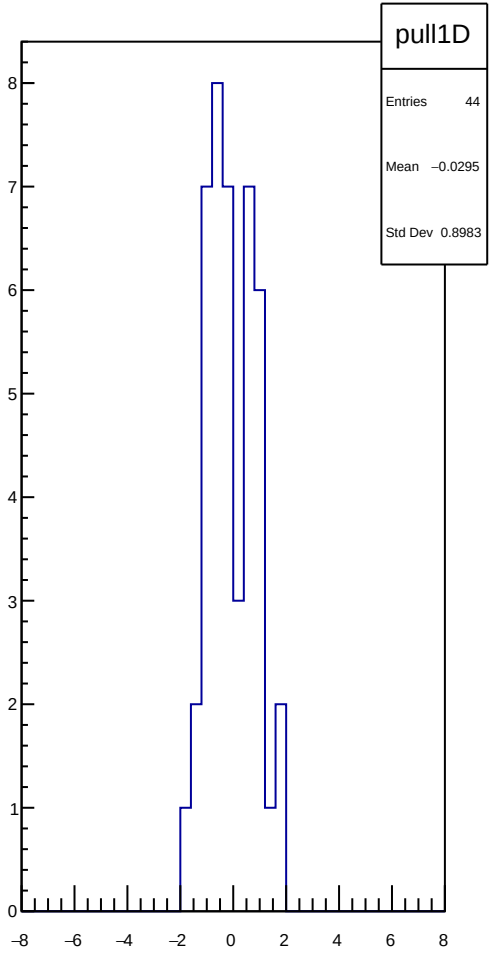

dit_asym_at1_dd_rms vs run
χ² / ndf 6875 / 43
p0 2182 ± 2.363
6000
5500
5000
4500
4000
3500
3000
2500
2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

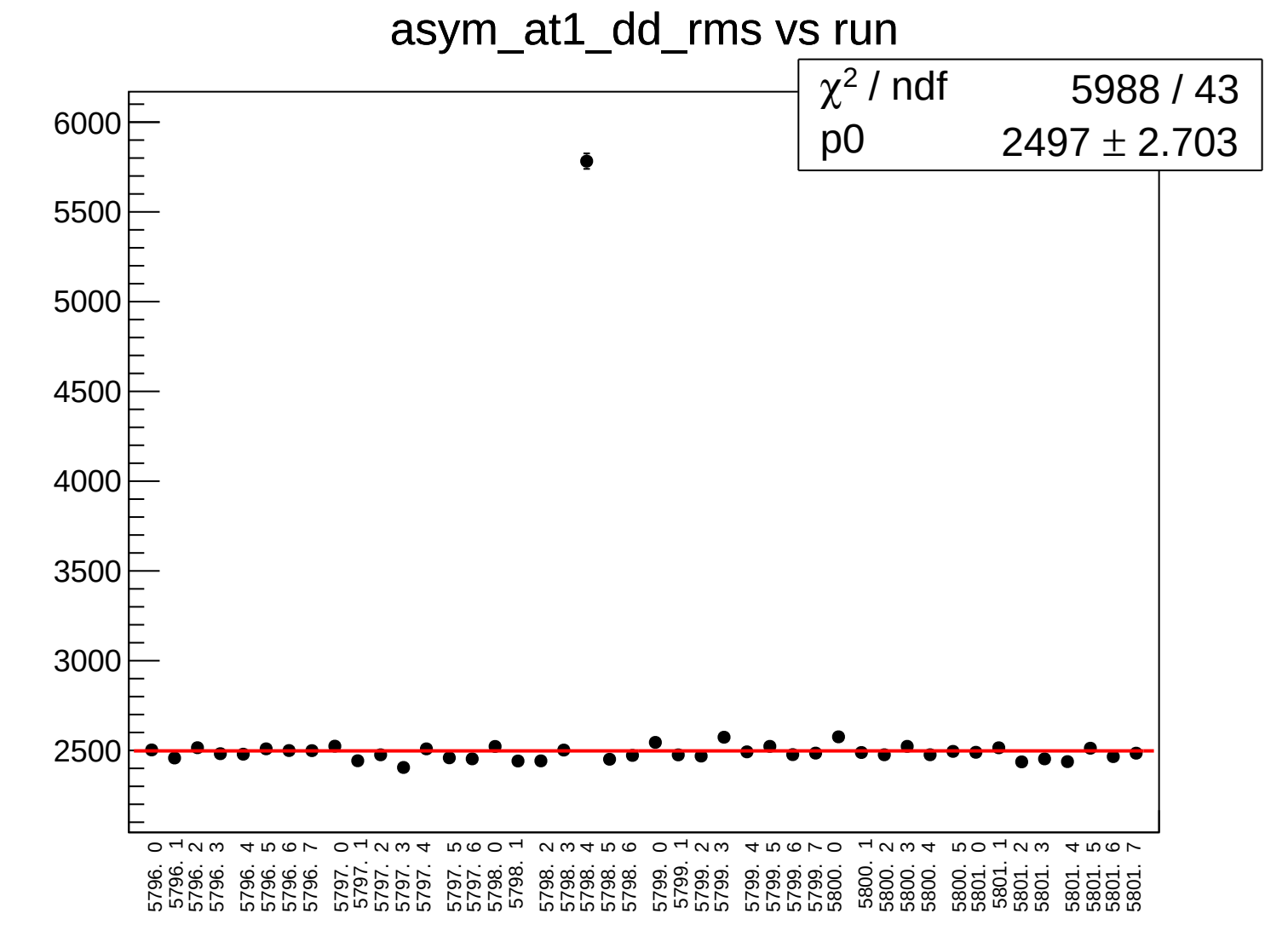

asym_at1_dd_correction_mean vs run
χ² / ndf 31.37 / 43
p0 426.5 ± 1854
pull
Entries 44
Mean 231.9
Std Dev 188.8

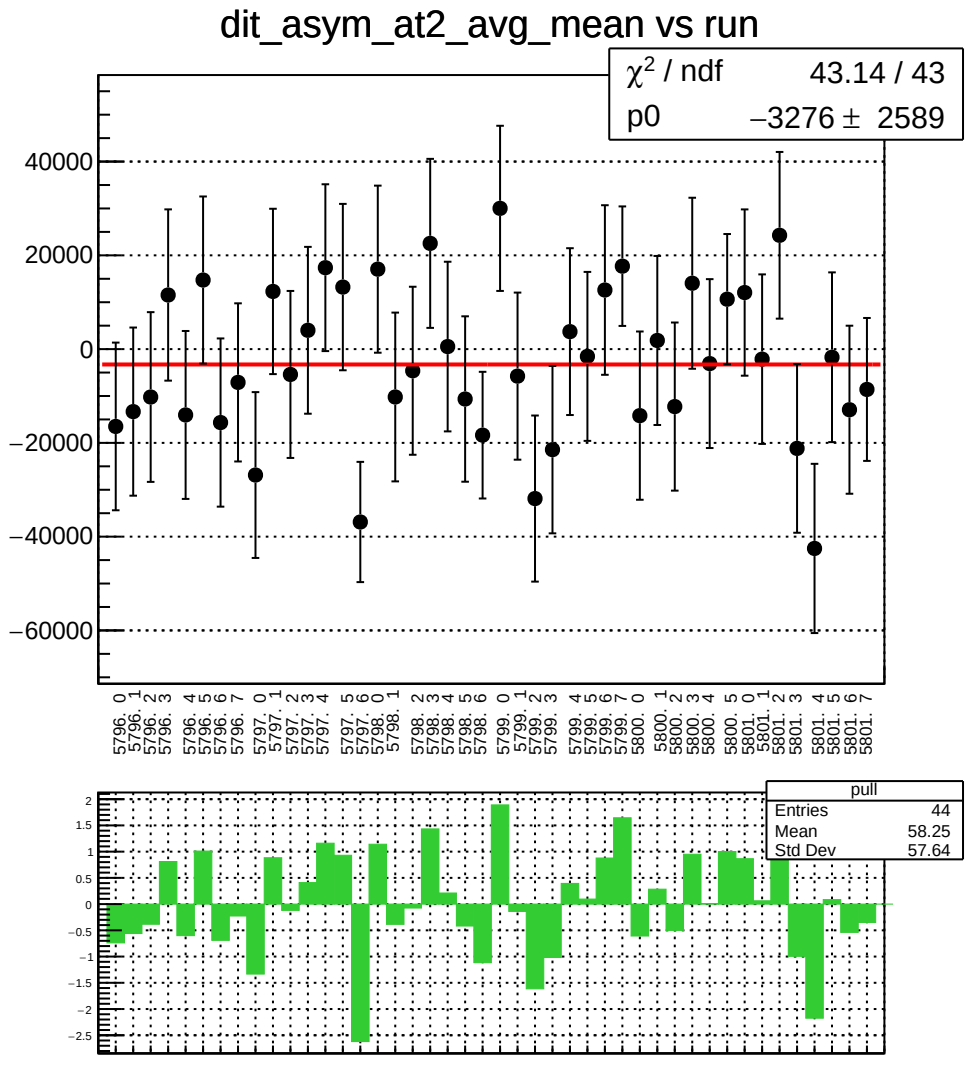

pull1D
Entries 44
Mean −0.002769
Std Dev 0.8444

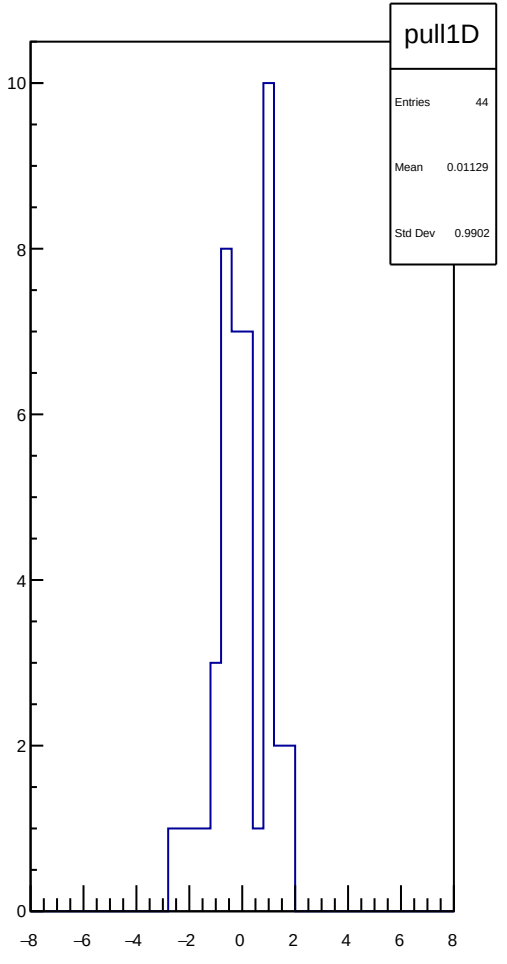

asym_at1_dd_correction_rms vs run
χ² / ndf 1805 / 43
p0 1214 ± 1.311
1400
1350
1300
1250
1200
1150
1100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

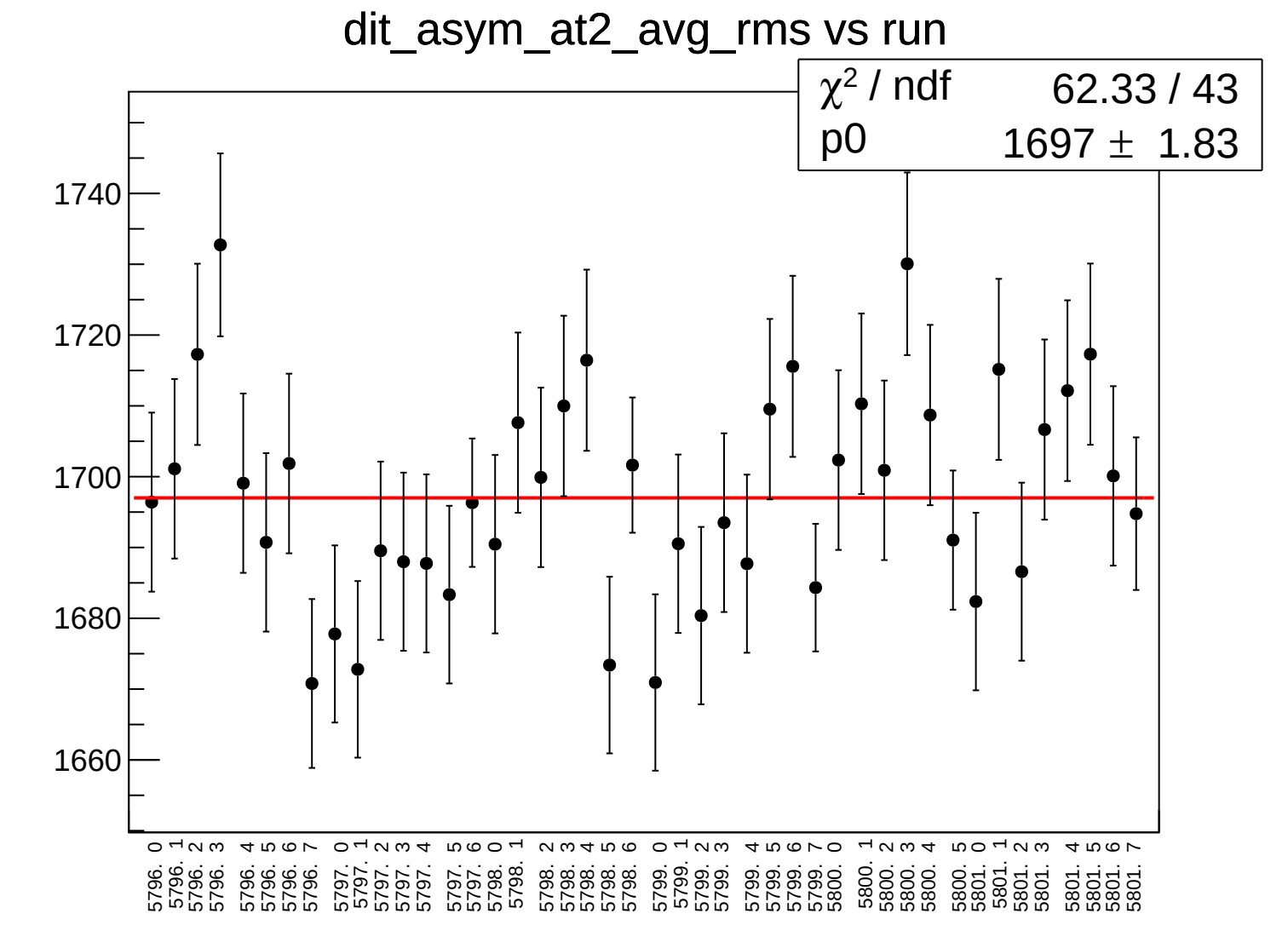

asym_at1_dd_mean vs run
×10^3
χ² / ndf 35.54 / 43
p0 4657 ± 3823
80
60
40
20
0
−20
−40
−60
−80
−100
−120
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 27.16
Std Dev 27.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

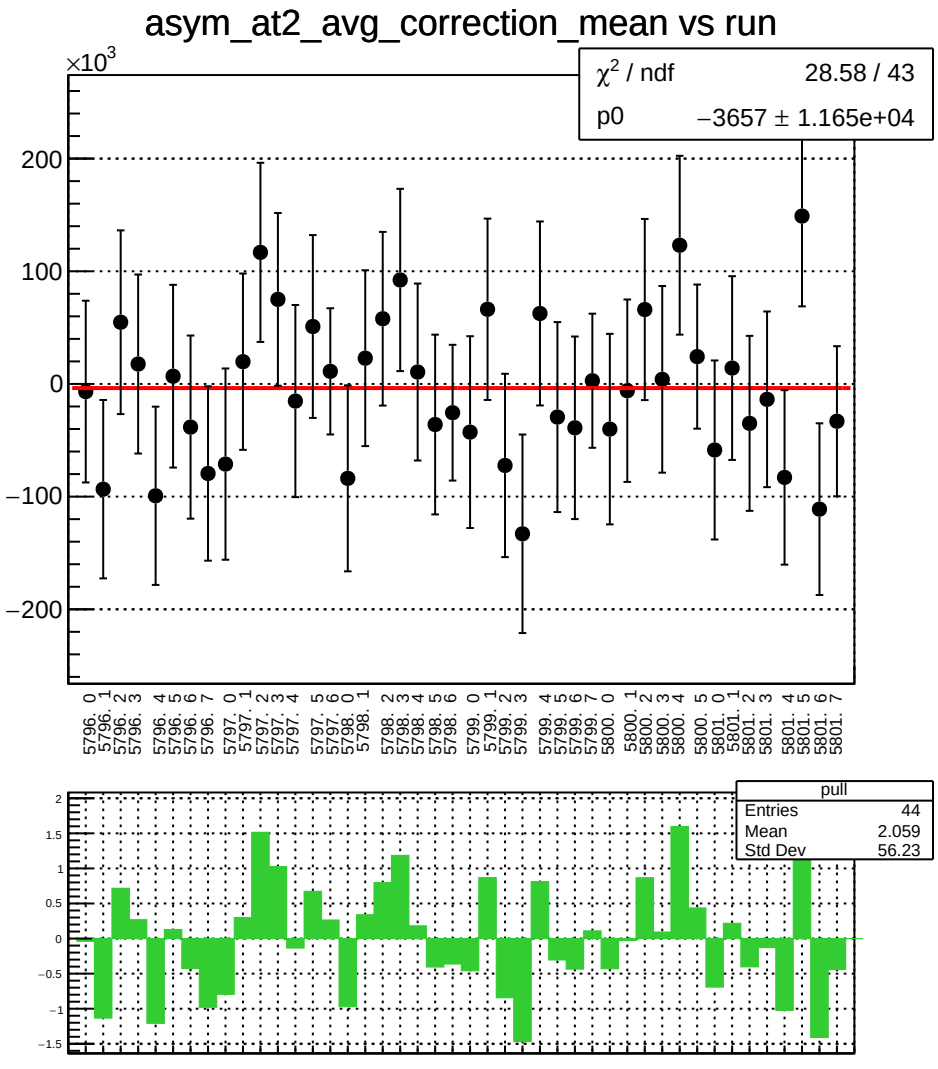

pull1D
Entries 44
Mean −0.0295
Std Dev 0.8983
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

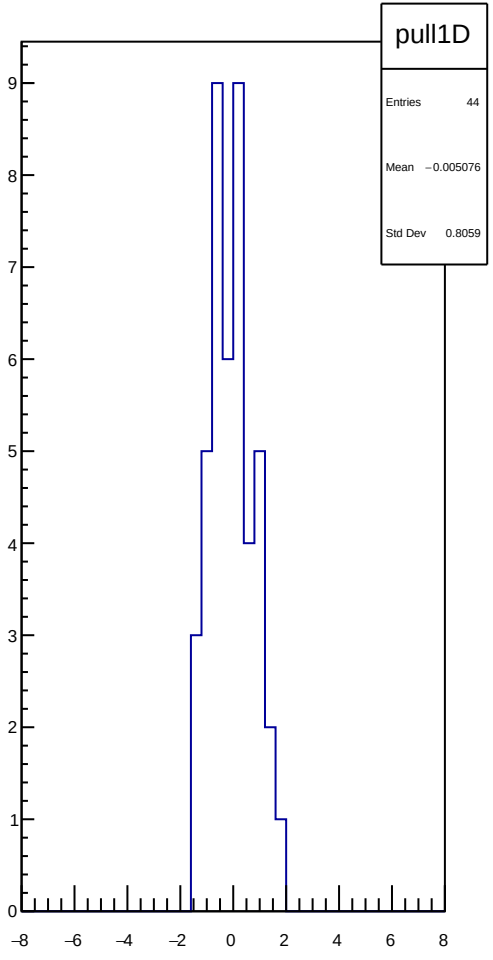

asym_at1_dd_rms vs run
χ² / ndf 5988 / 43
p0 2497 ± 2.703
6000
5500
5000
4500
4000
3500
3000
2500
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

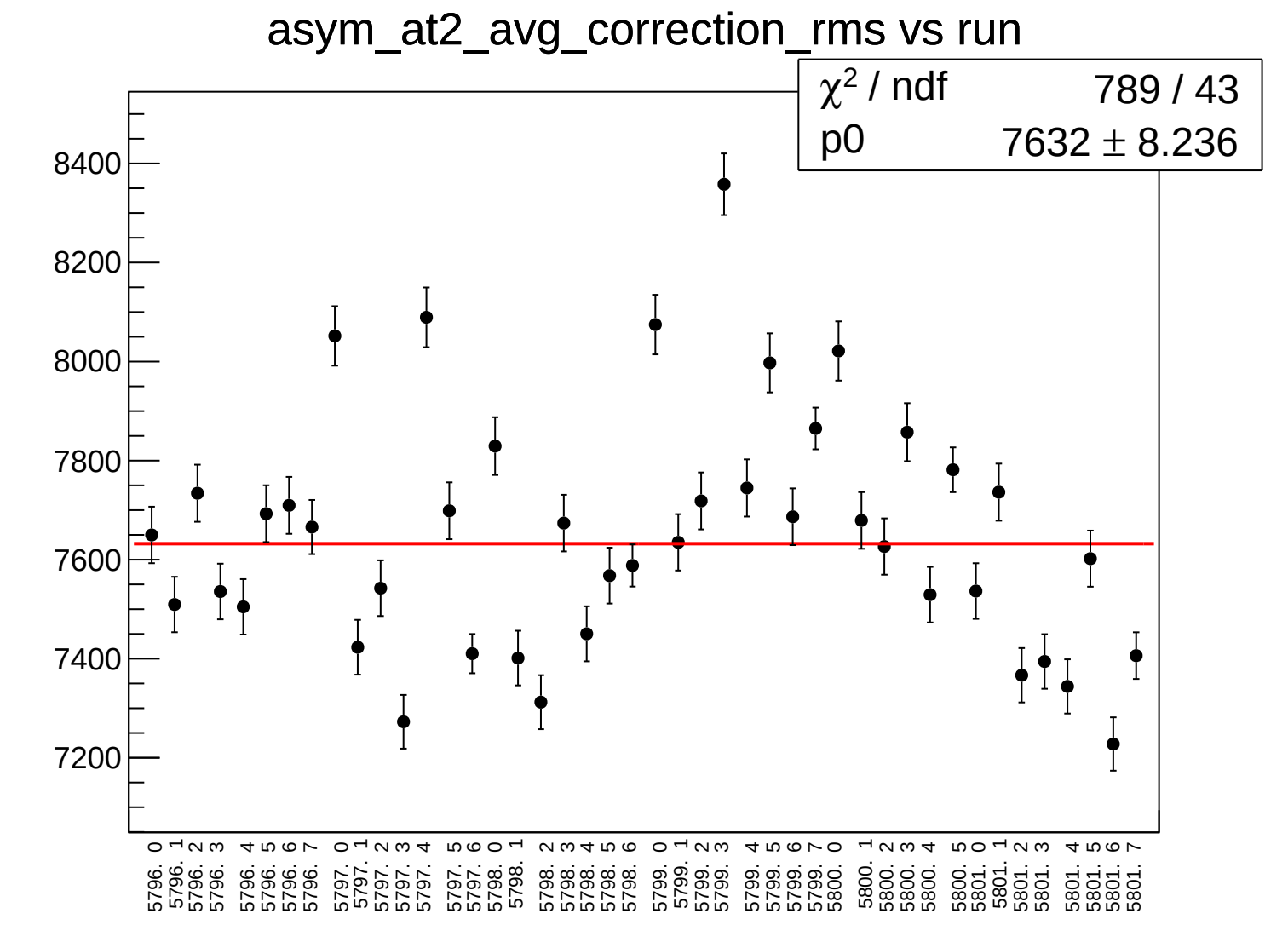

dit_asym_at2_avg_mean vs run
χ² / ndf 43.14 / 43
p0 −3276 ± 2589
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 58.25
Std Dev 57.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

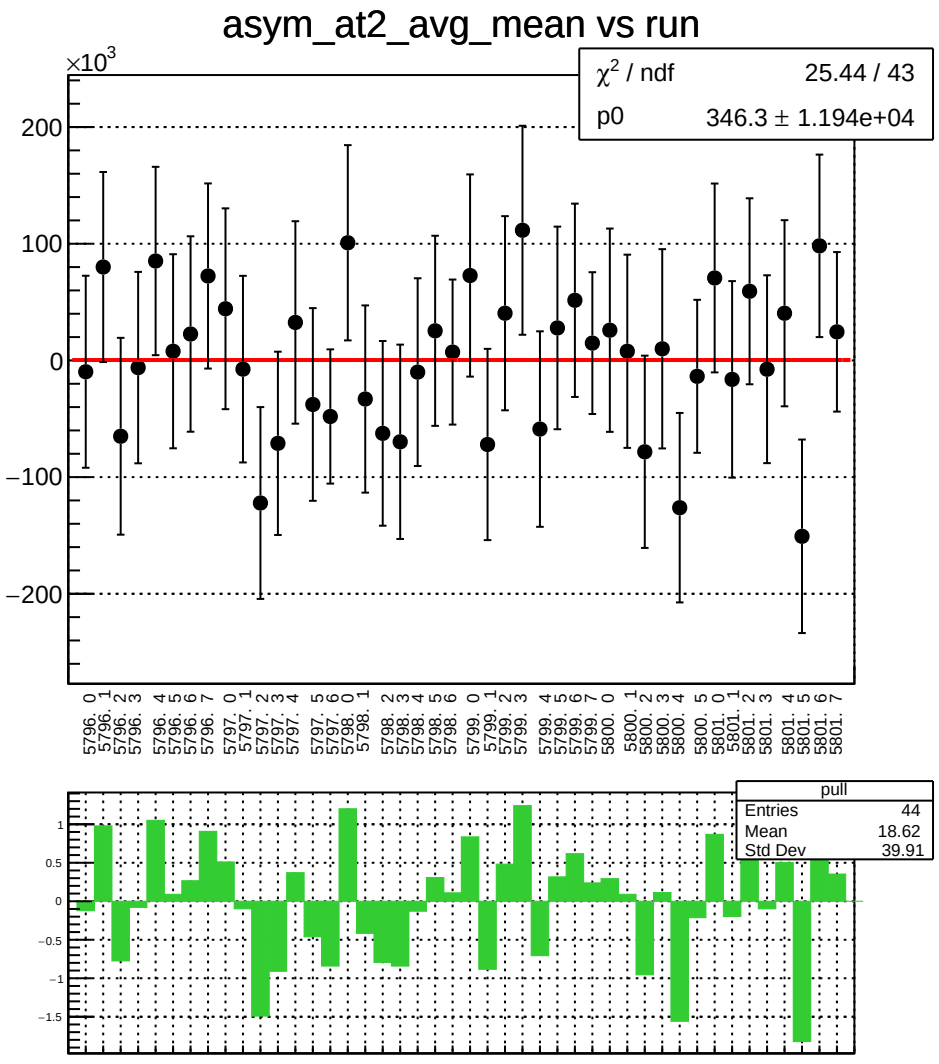

pull1D
Entries 44
Mean 0.01129
Std Dev 0.9902
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

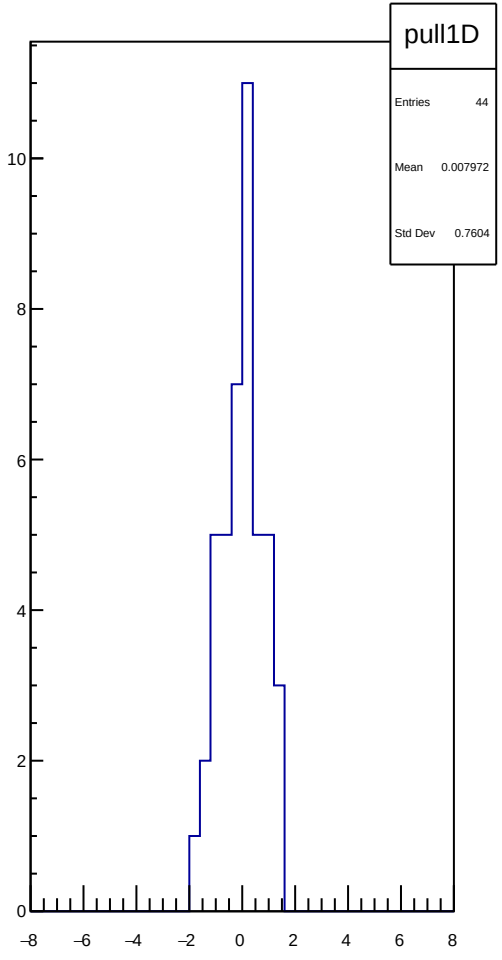

dit_asym_at2_avg_rms vs run
χ² / ndf 62.33 / 43
p0 1697 ± 1.83
1740
1720
1700
1680
1660
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

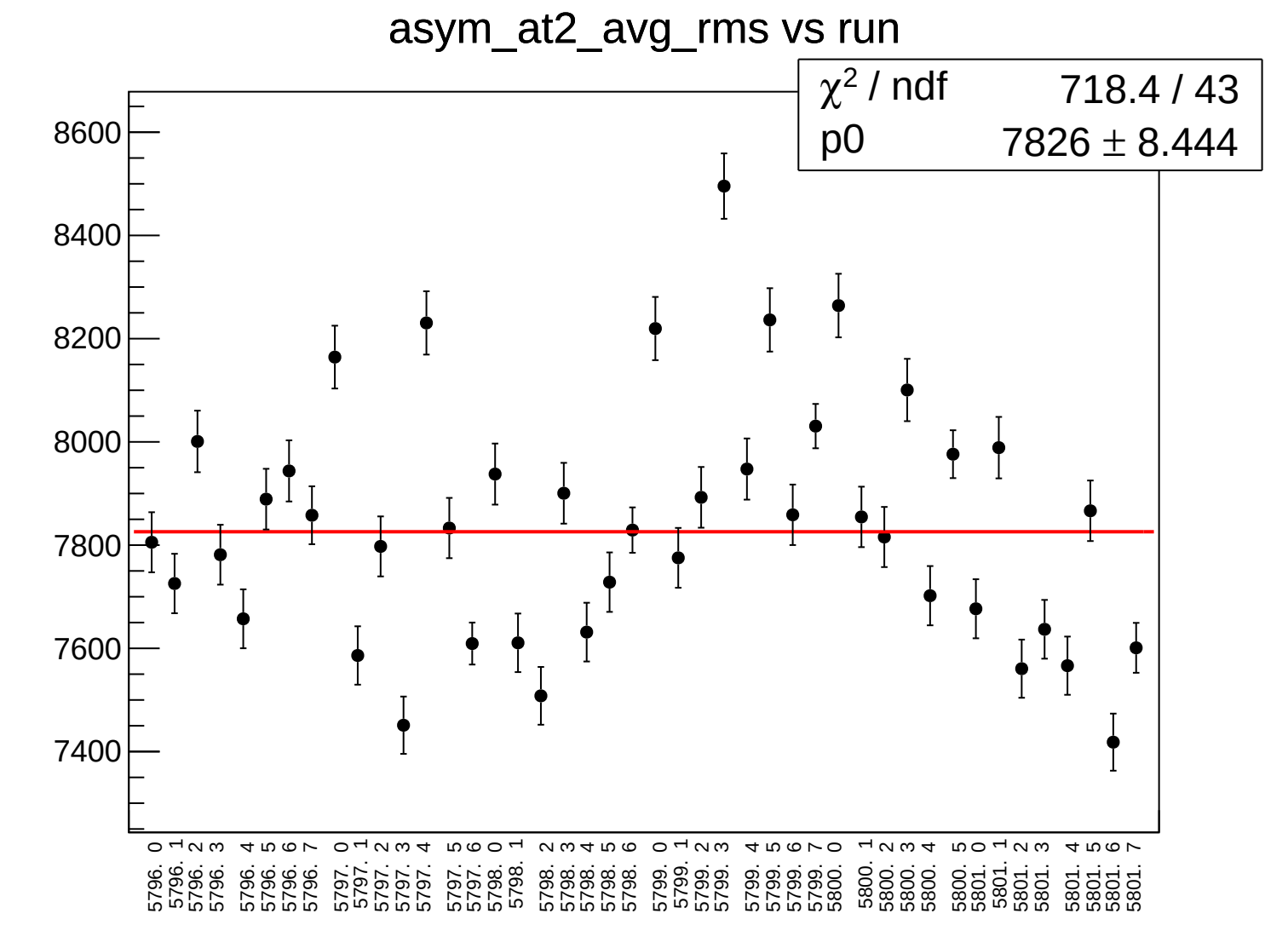

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 28.58 / 43
p0 −3657 ± 1.165e+04
200
100
0
−100
−200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 2.059
Std Dev 56.23
2
1.5
1
0.5
0
−0.5
−1
−1.5

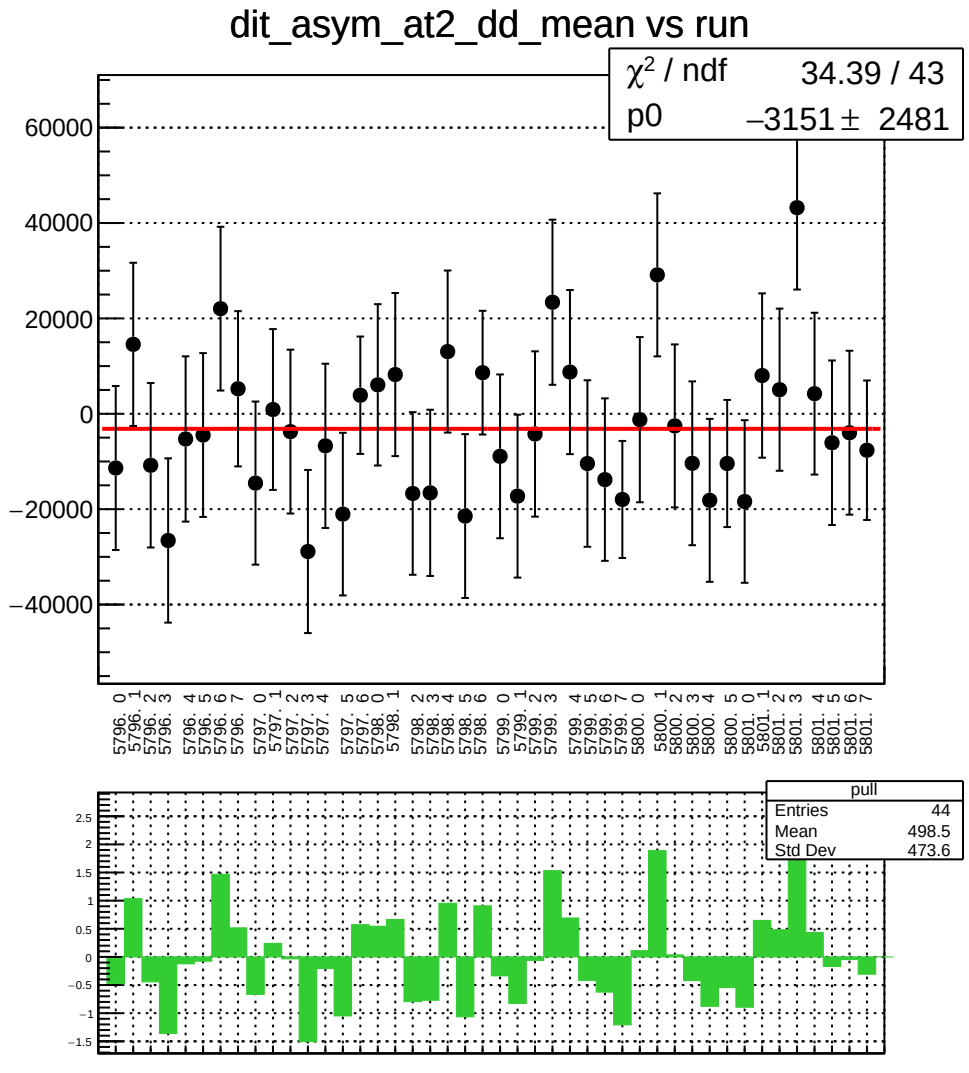

pull1D
Entries 44
Mean −0.005076
Std Dev 0.8059
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

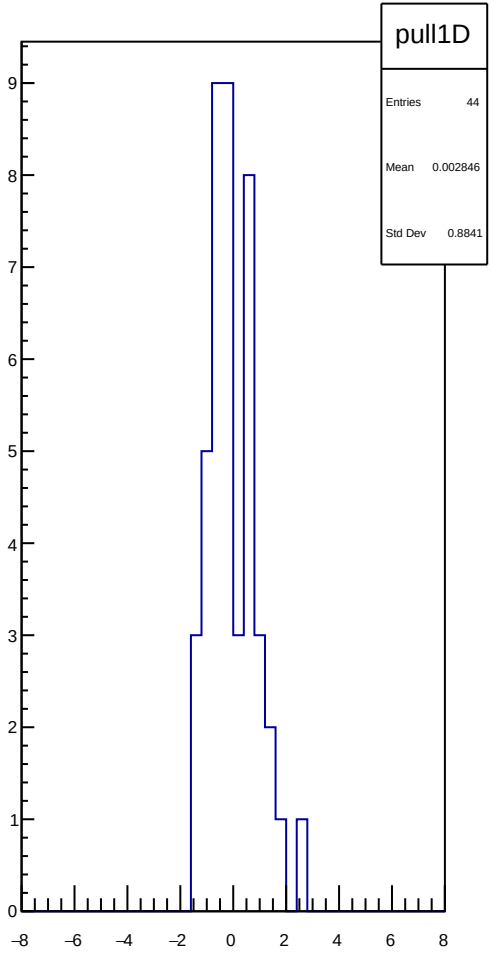

asym_at2_avg_correction_rms vs run
χ² / ndf 789 / 43
p0 7632 ± 8.236
8400
8200
8000
7800
7600
7400
7200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

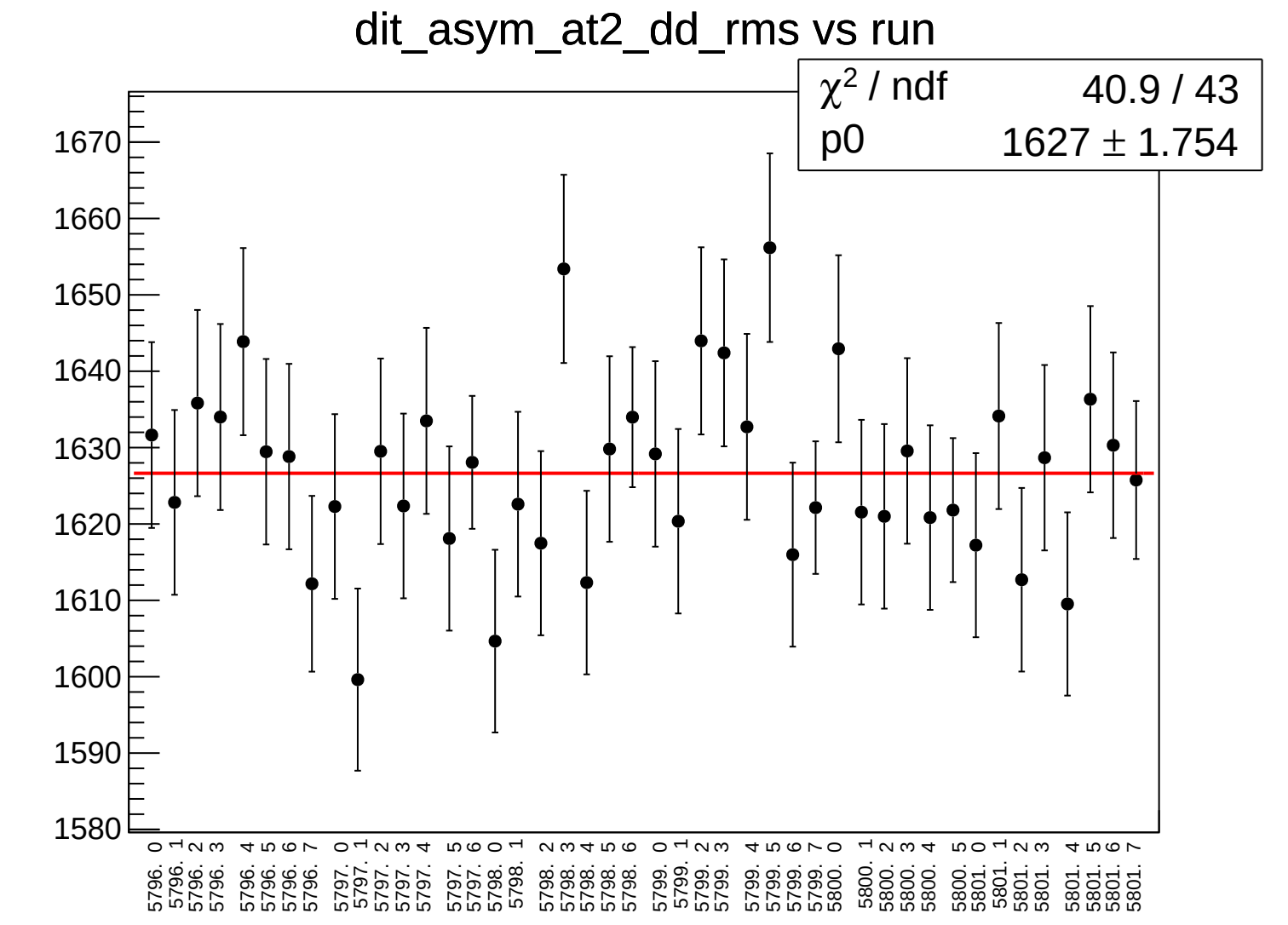

asym_at2_avg_mean vs run
×10^3
χ² / ndf 25.44 / 43
p0 346.3 ± 1.194e+04
200
100
0
−100
−200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 18.62
Std Dev 39.91
1
0.5
0
−0.5
−1
−1.5

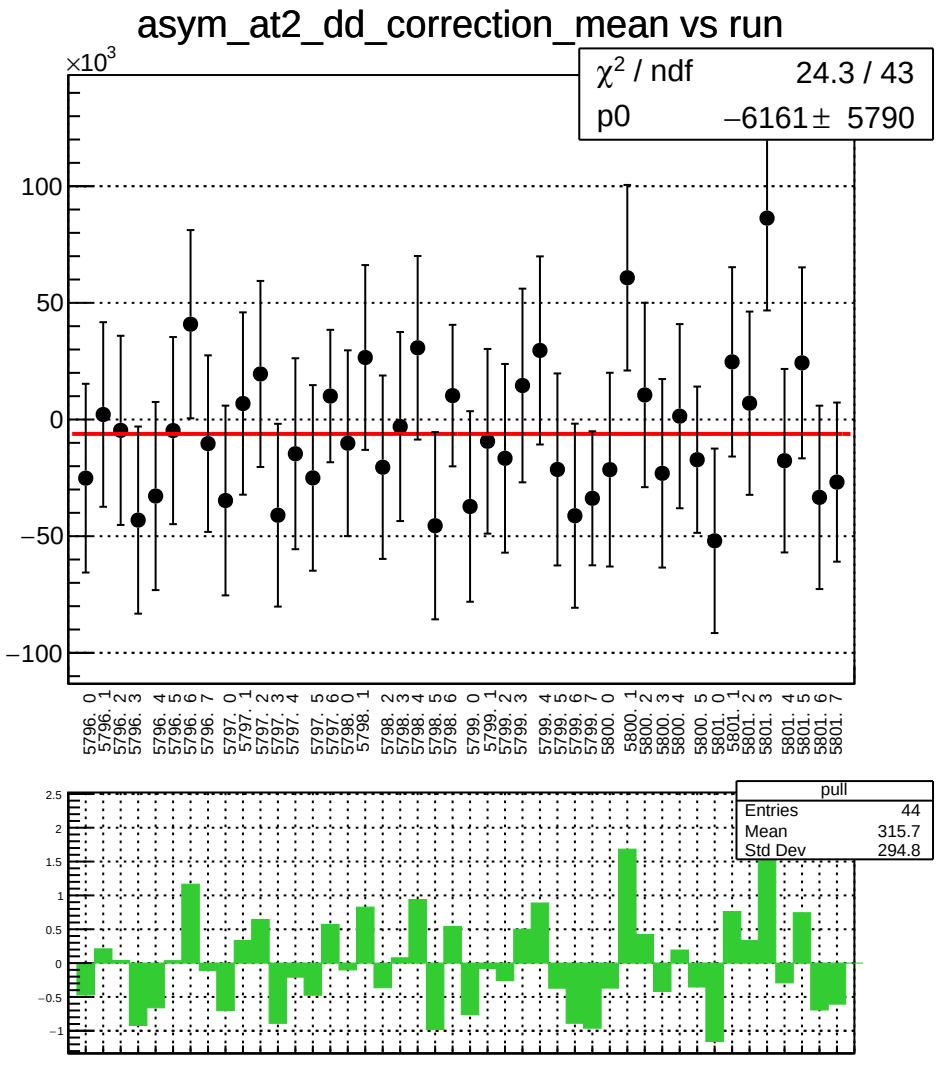

pull1D
Entries 44
Mean 0.007972
Std Dev 0.7604
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

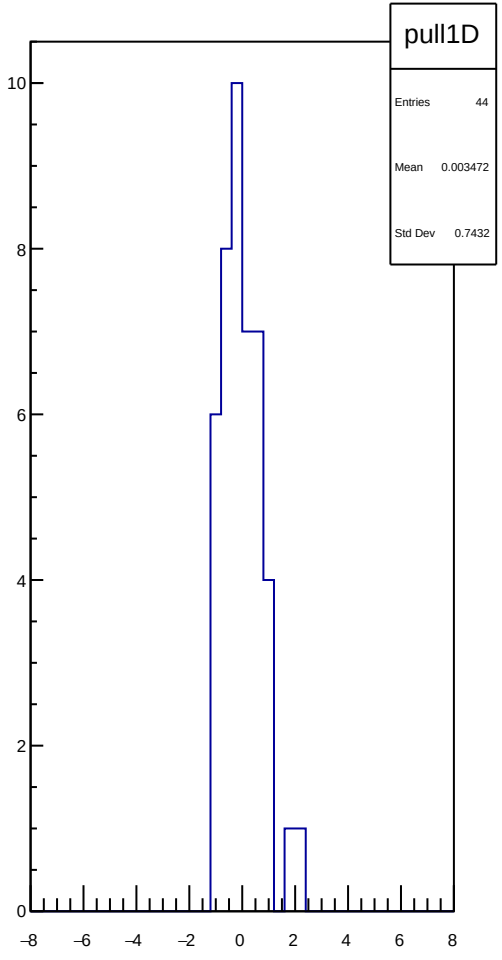

asym_at2_avg_rms vs run
χ² / ndf 718.4 / 43
p0 7826 ± 8.444
8600
8400
8200
8000
7800
7600
7400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

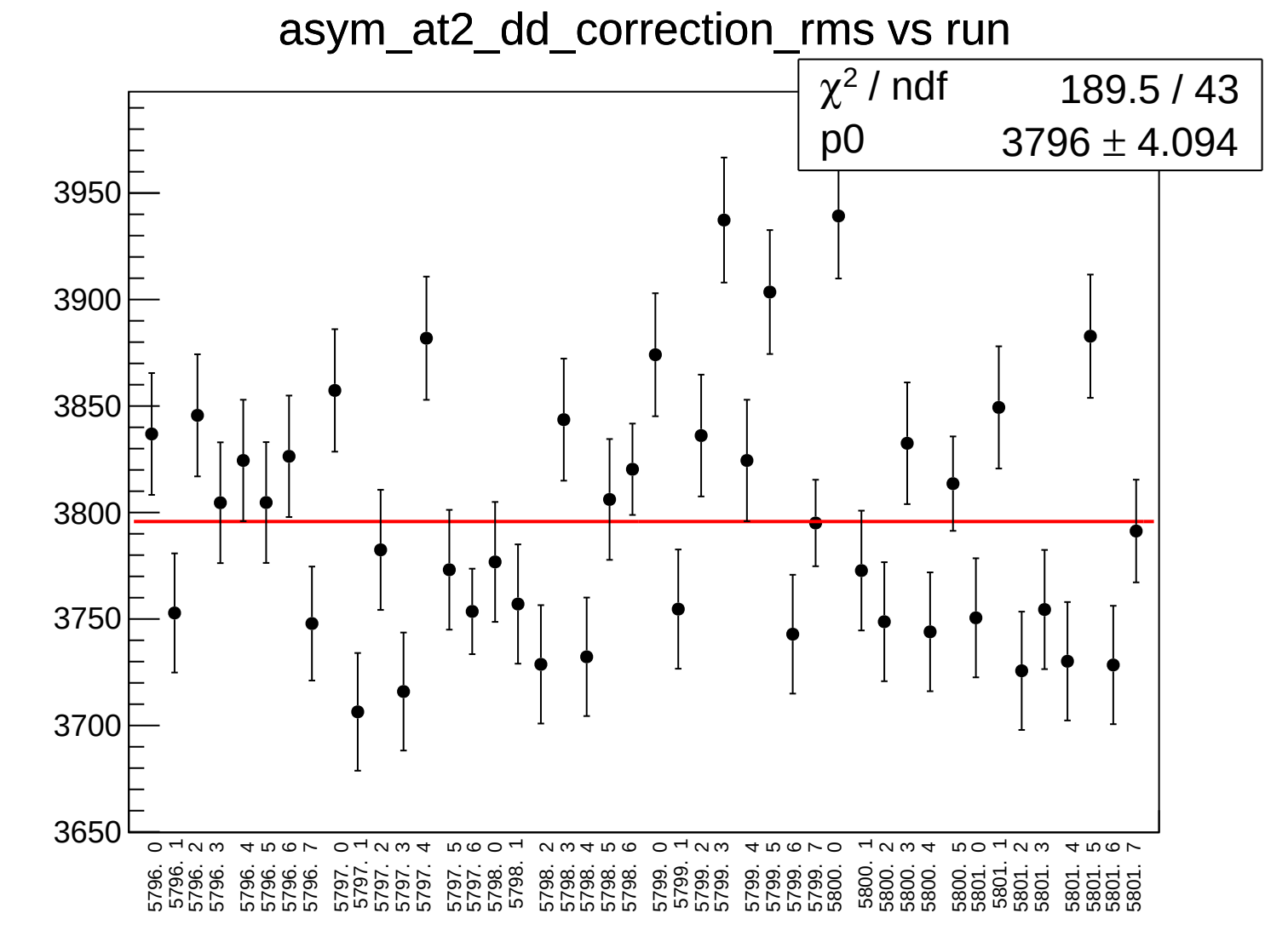

dit_asym_at2_dd_mean vs run
χ² / ndf 34.39 / 43
p0 −3151 ± 2481
60000
40000
20000
0
−20000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 498.5
Std Dev 473.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

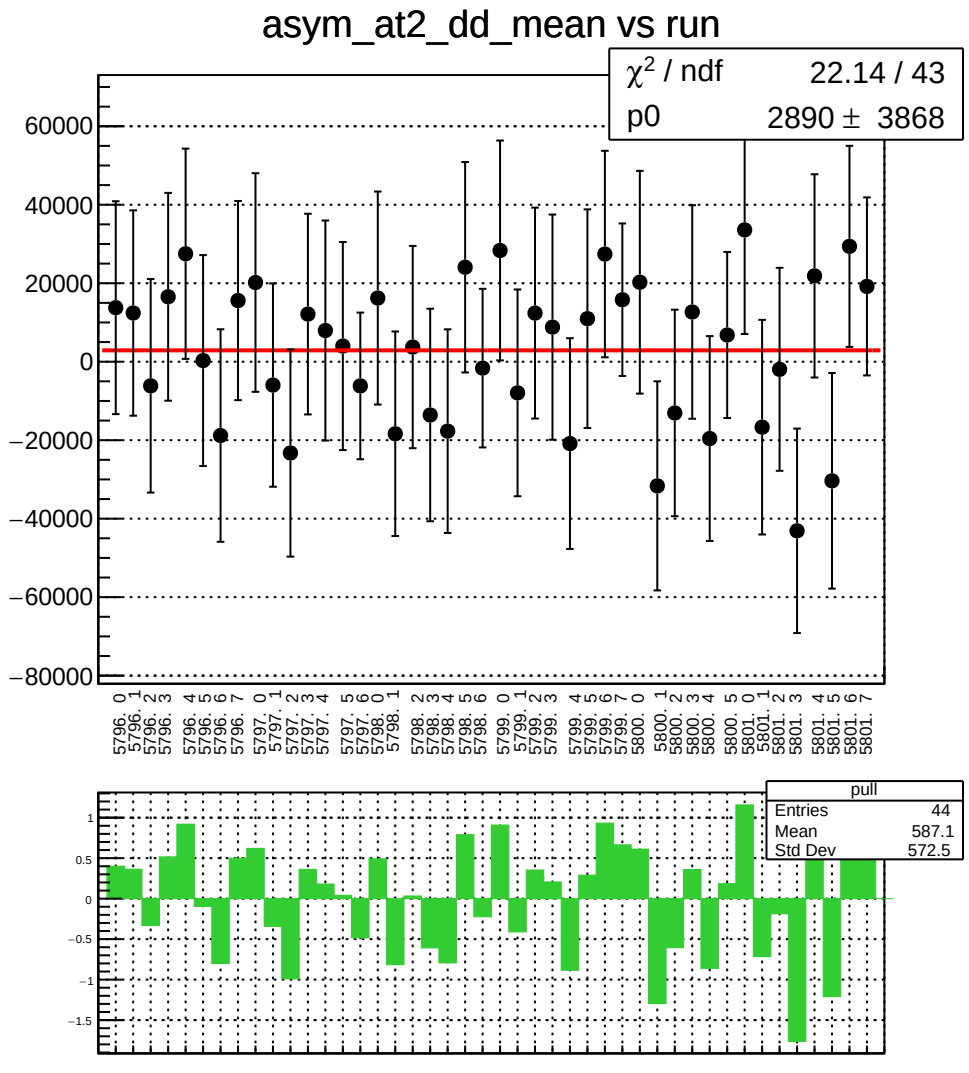

pull1D
Entries 44
Mean 0.002846
Std Dev 0.8841
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

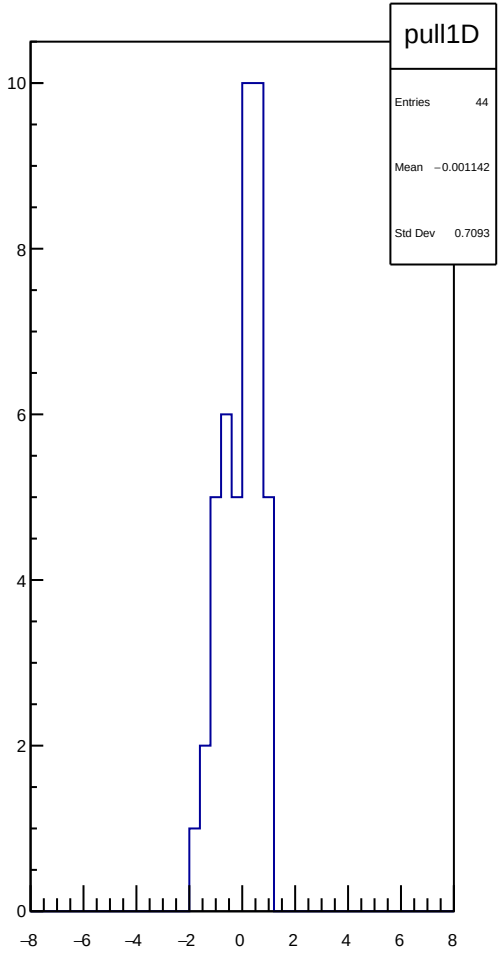

dit_asym_at2_dd_rms vs run
χ² / ndf 40.9 / 43
p0 1627 ± 1.754
1670
1660
1650
1640
1630
1620
1610
1600
1590
1580
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

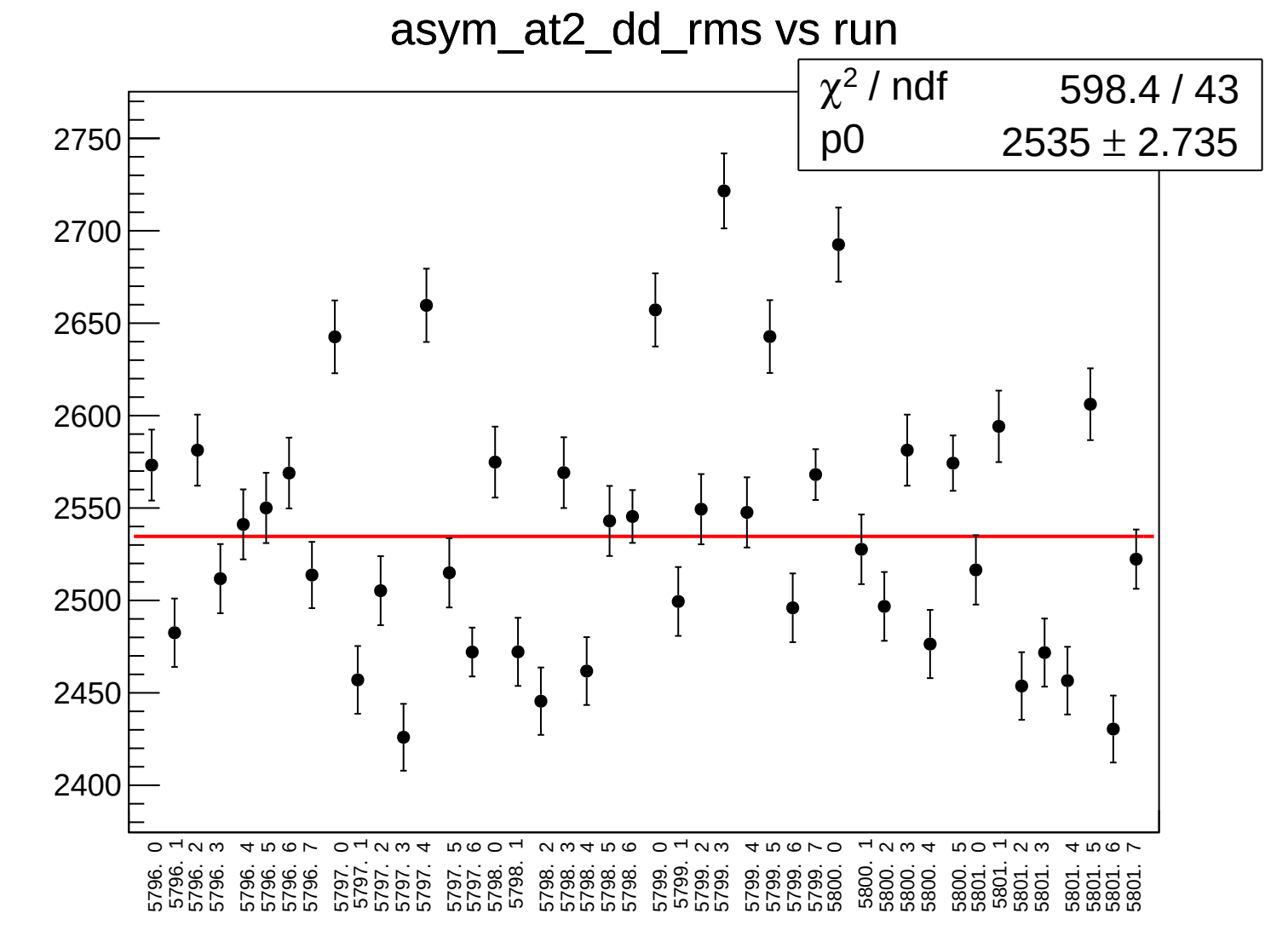

asym_at2_dd_correction_mean vs run
χ² / ndf 24.3 / 43
p0 −6161 ± 5790
×10³
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 315.7
Std Dev 294.8
2.5
2
1.5
1
0.5
0
−0.5
−1

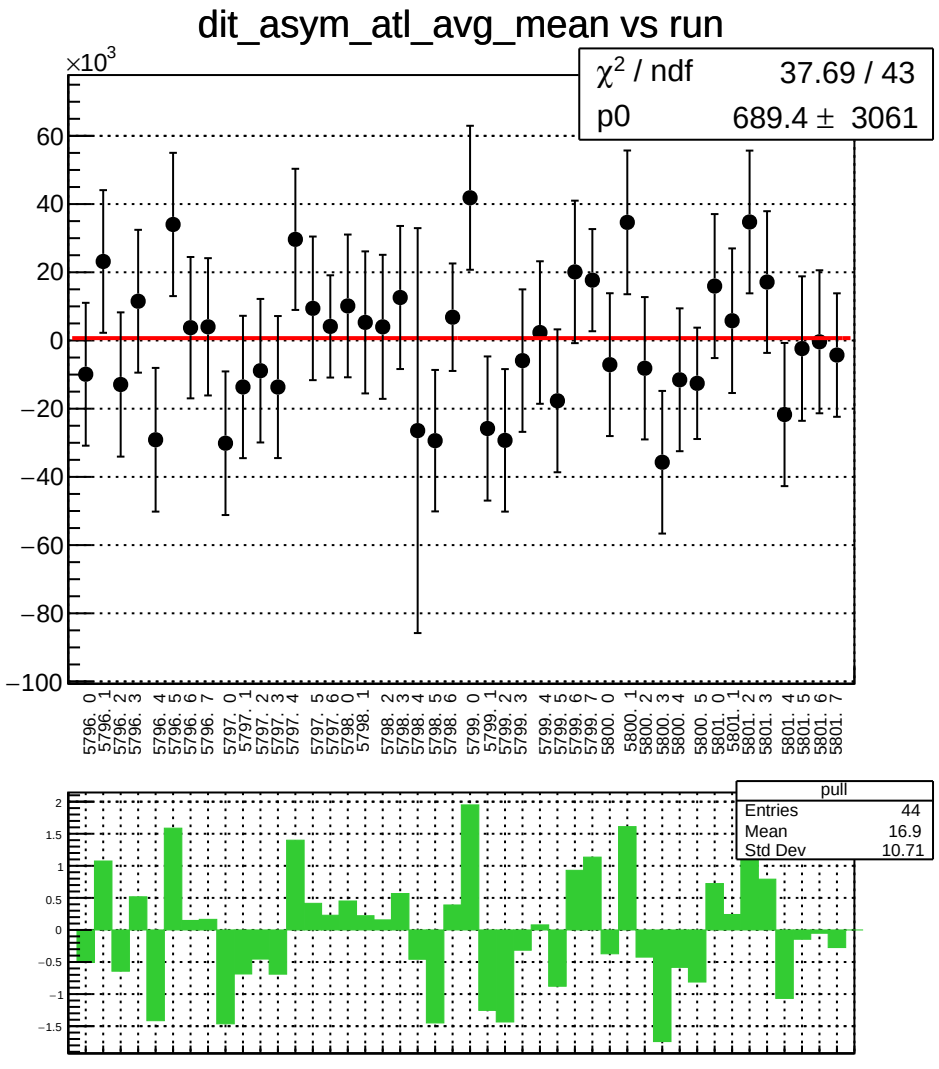

pull1D
Entries 44
Mean 0.003472
Std Dev 0.7432
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

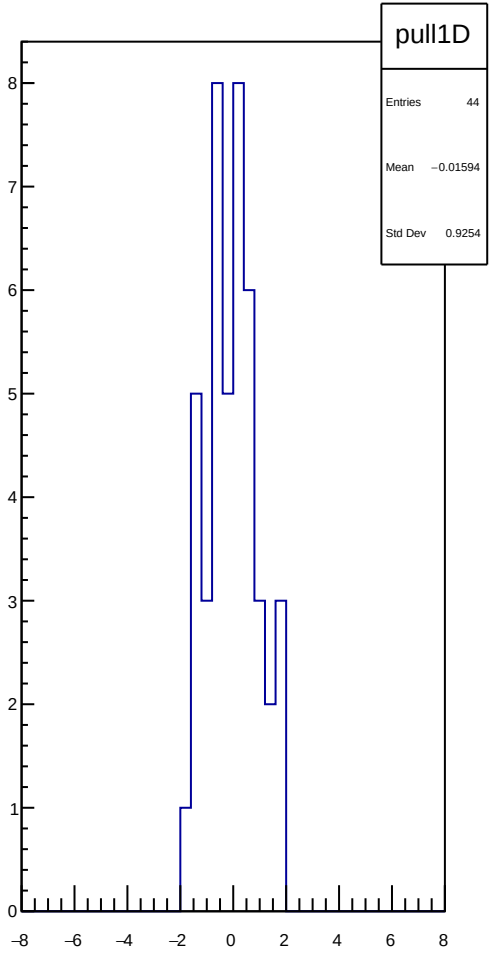

asym_at2_dd_correction_rms vs run
χ² / ndf 189.5 / 43
p0 3796 ± 4.094
3950
3900
3850
3800
3750
3700
3650
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

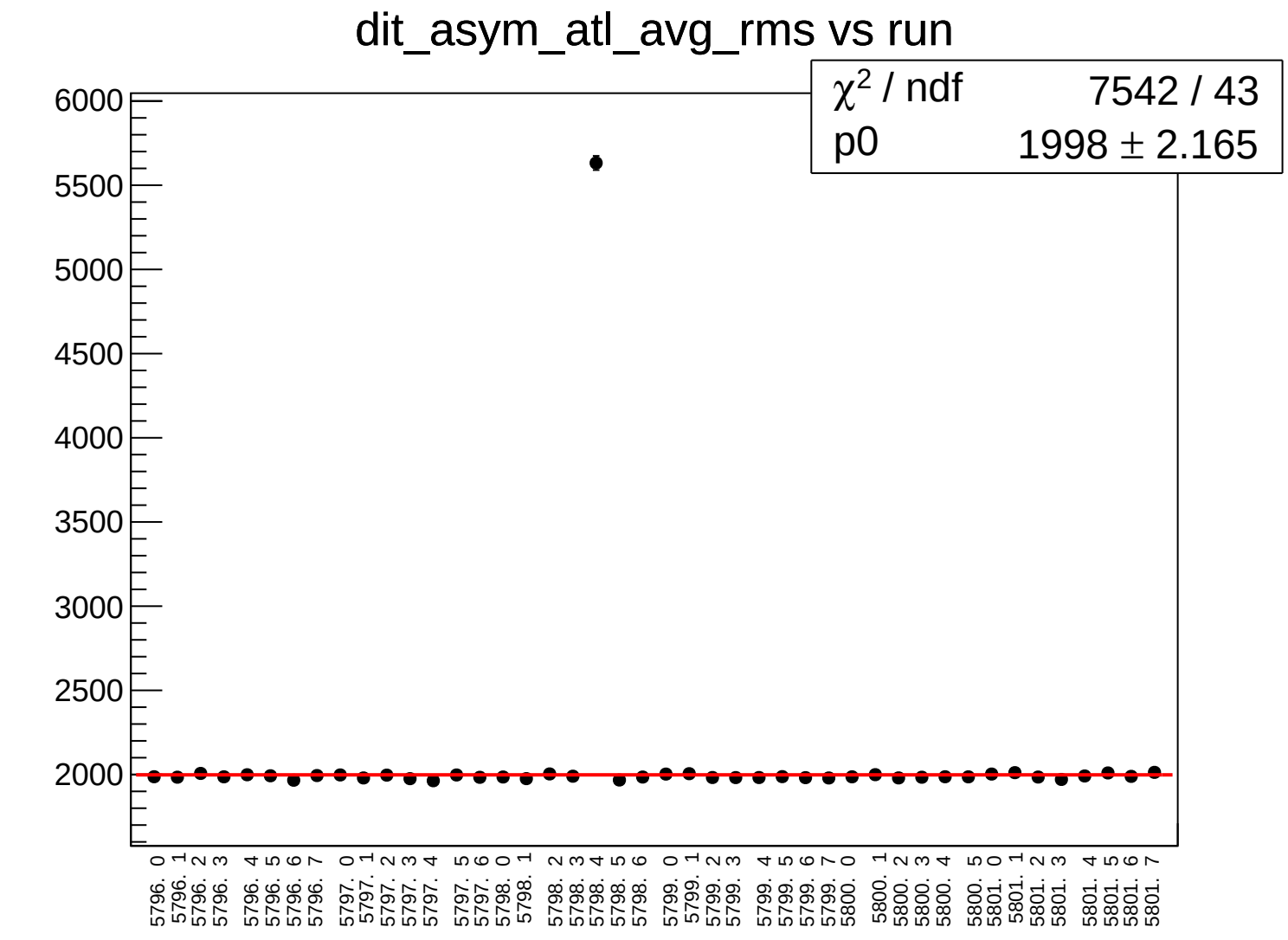

asym_at2_dd_mean vs run
χ² / ndf 22.14 / 43
p0 2890 ± 3868
60000
40000
20000
0
−20000
−40000
−60000
−80000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 587.1
Std Dev 572.5
1
0.5
0
−0.5
−1
−1.5

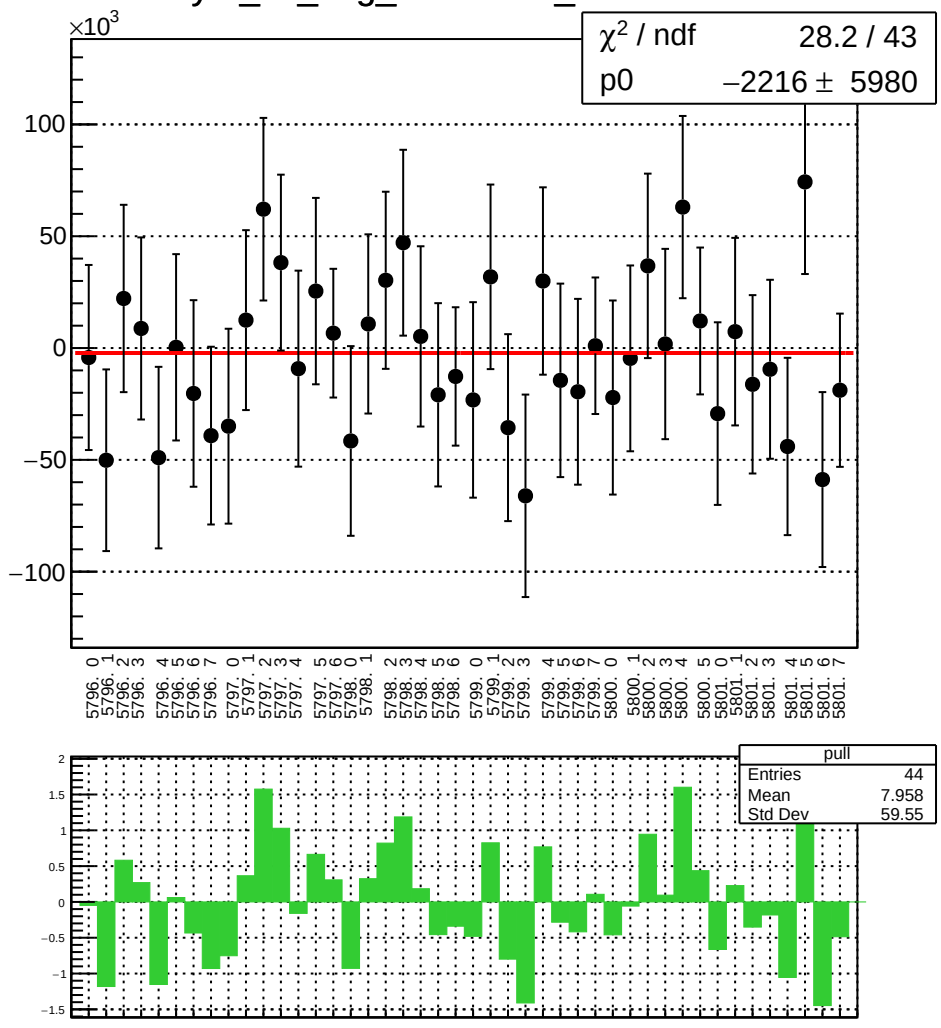

pull1D
Entries 44
Mean −0.001142
Std Dev 0.7093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

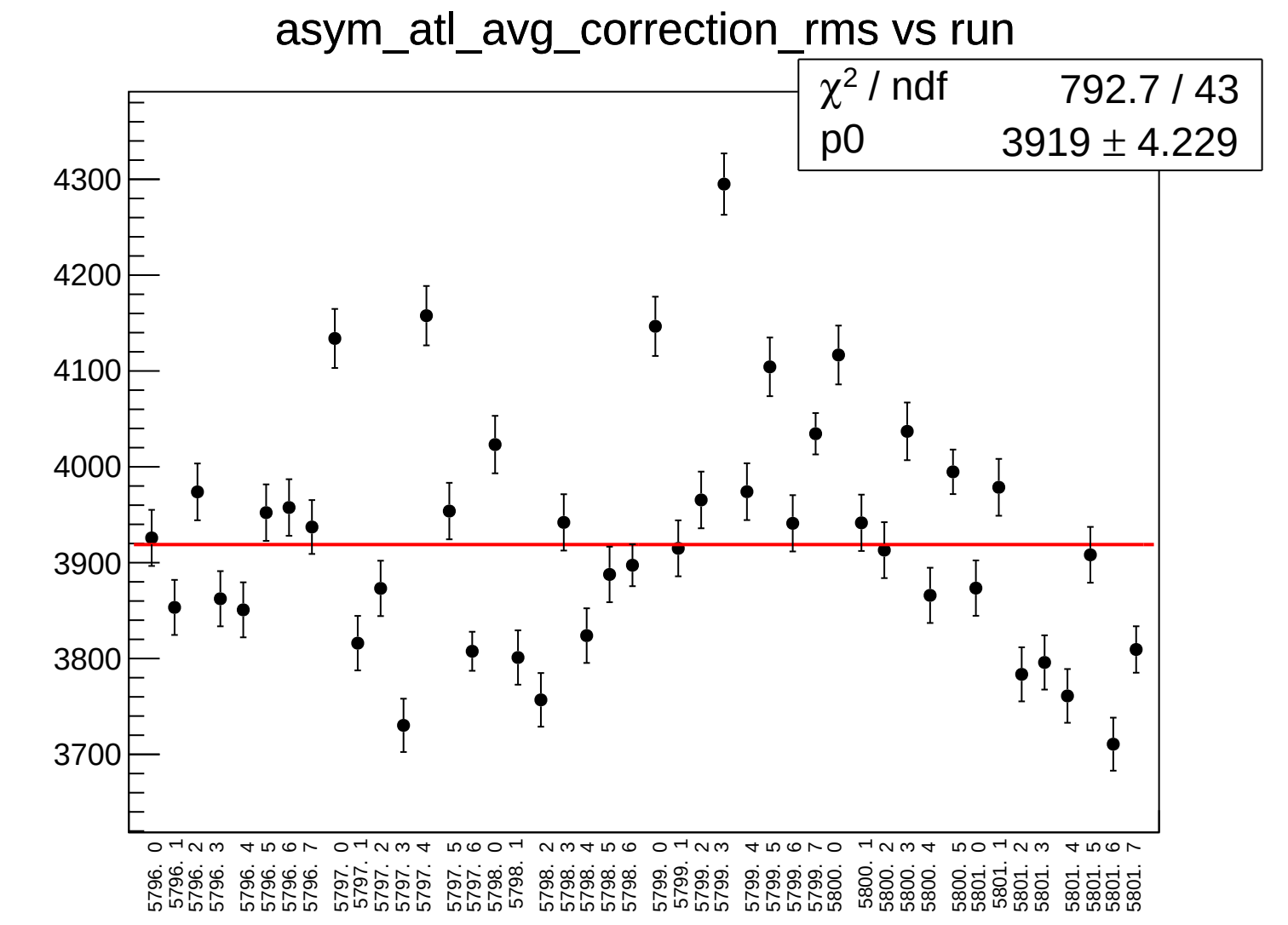

asym_at2_dd_rms vs run
χ² / ndf 598.4 / 43
p0 2535 ± 2.735
2750
2700
2650
2600
2550
2500
2450
2400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

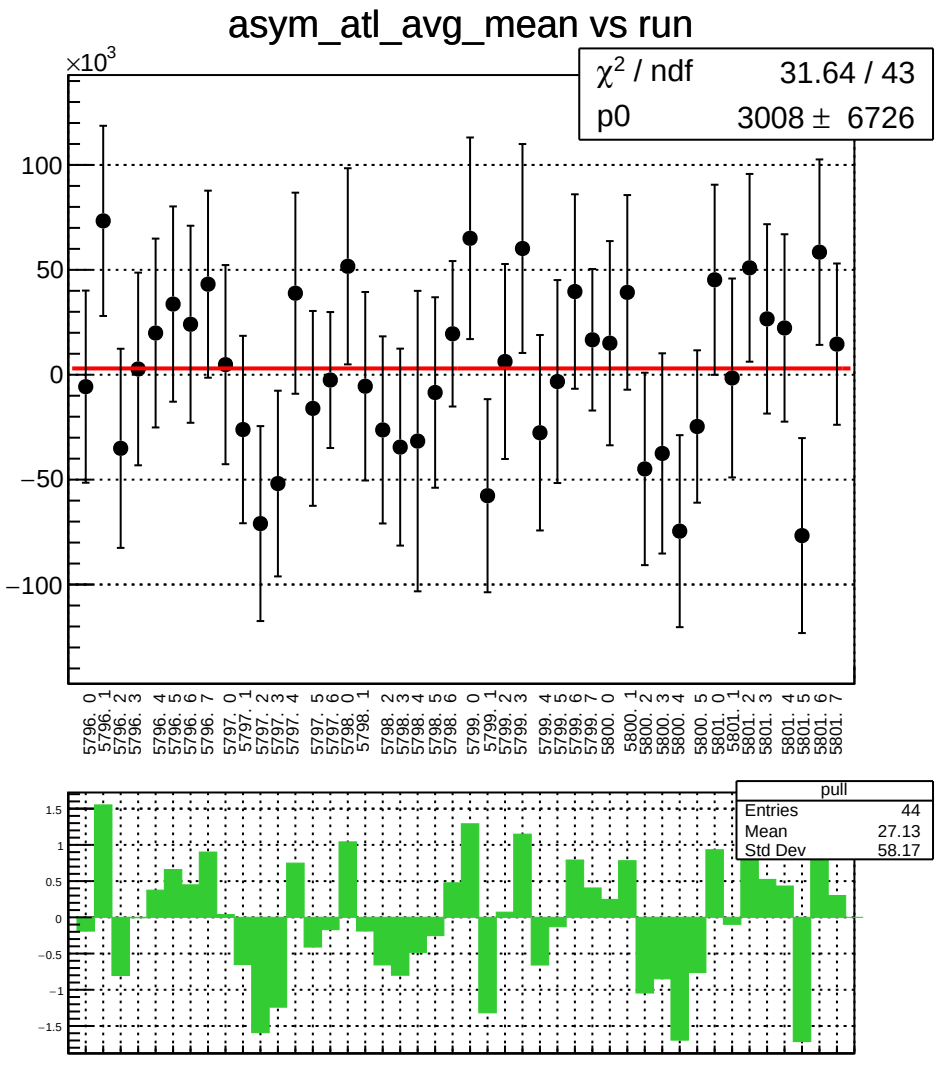

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 37.69 / 43
p0 689.4 ± 3061
60
40
20
0
−20
−40
−60
−80
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 16.9
Std Dev 10.71
2
1.5
1
0.5
0
−0.5
−1
−1.5

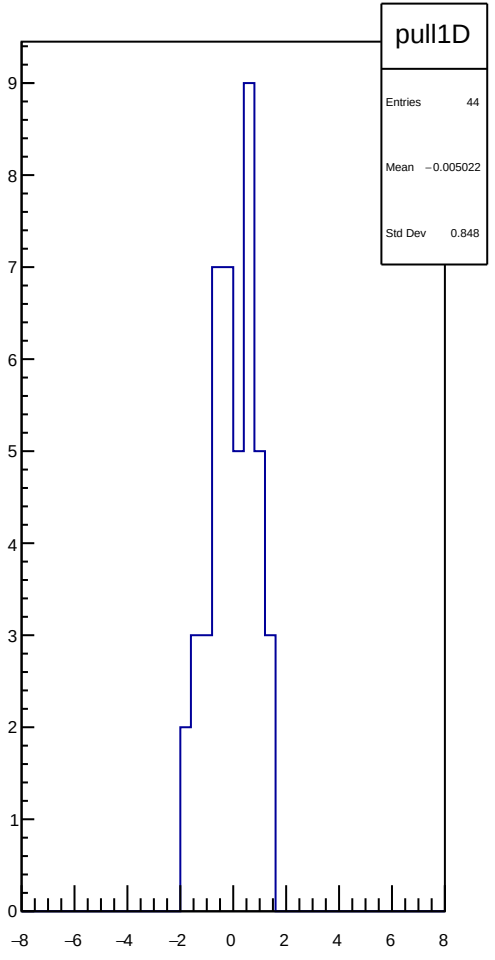

pull1D
Entries 44
Mean −0.01594
Std Dev 0.9254
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

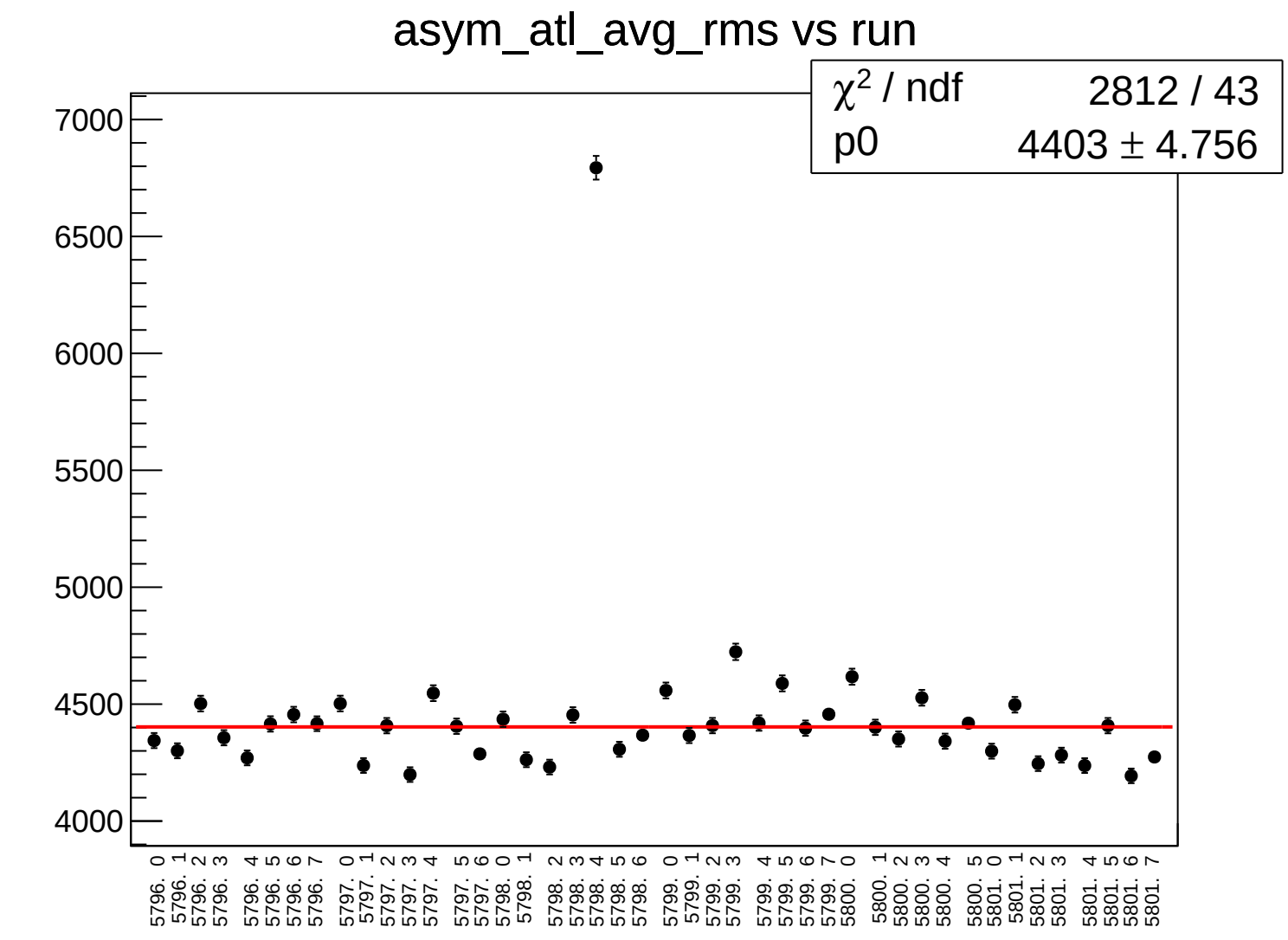

dit_asym_atl_avg_rms vs run
χ² / ndf 7542 / 43
p0 1998 ± 2.165
6000
5500
5000
4500
4000
3500
3000
2500
2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

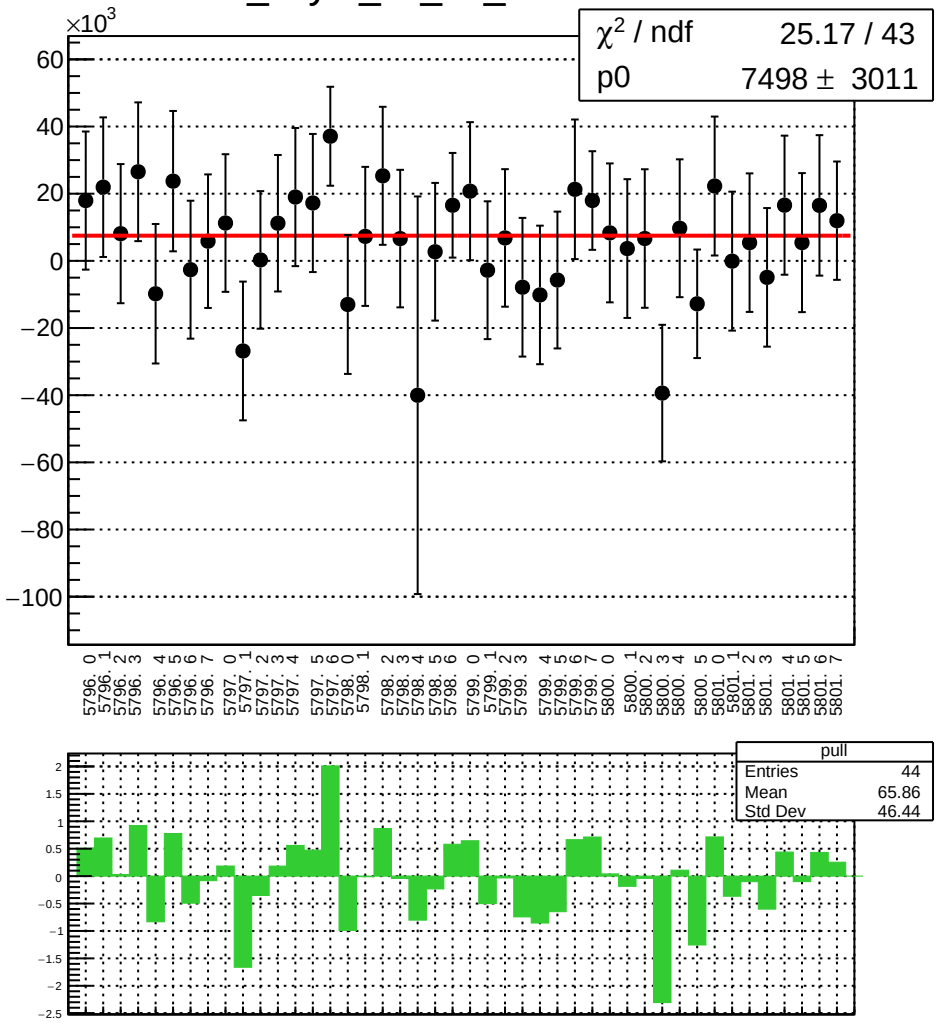

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 28.2 / 43
p0 −2216 ± 5980
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 7.958
Std Dev 59.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.005386
Std Dev 0.8005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

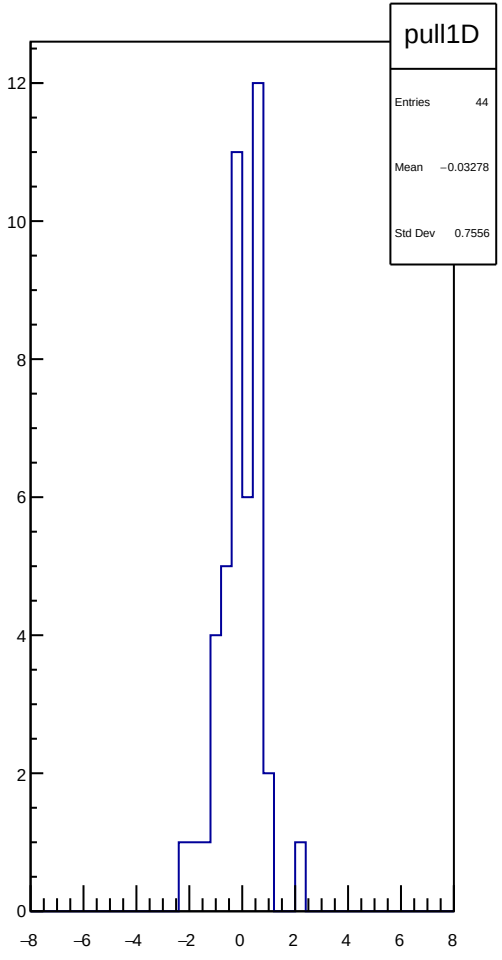

asym_atl_avg_correction_rms vs run
χ² / ndf 792.7 / 43
p0 3919 ± 4.229
4300
4200
4100
4000
3900
3800
3700
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

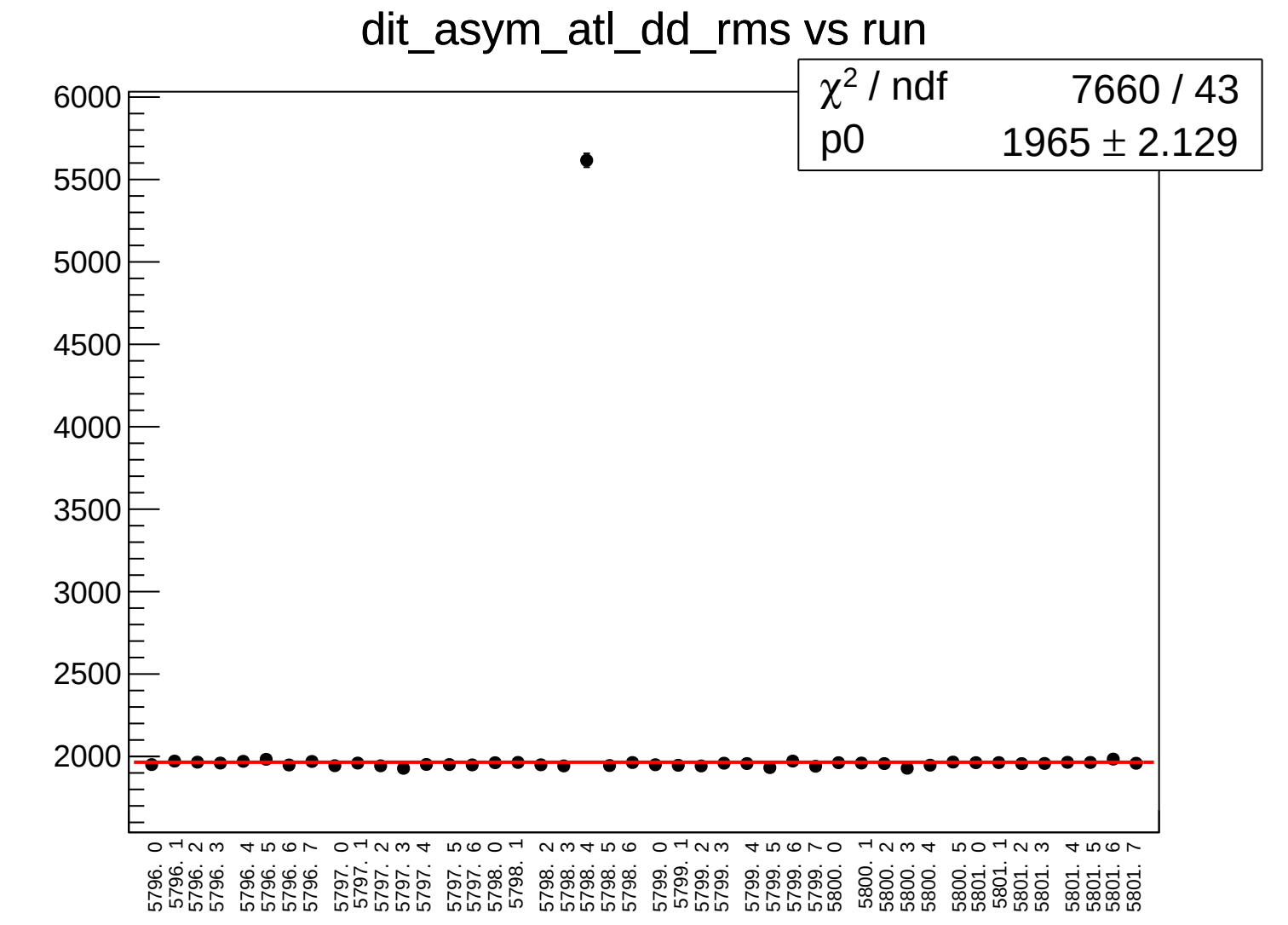

asym_atl_avg_mean vs run
×10^3
χ² / ndf 31.64 / 43
p0 3008 ± 6726
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 27.13
Std Dev 58.17
1.5
1
0.5
0
−0.5
−1
−1.5

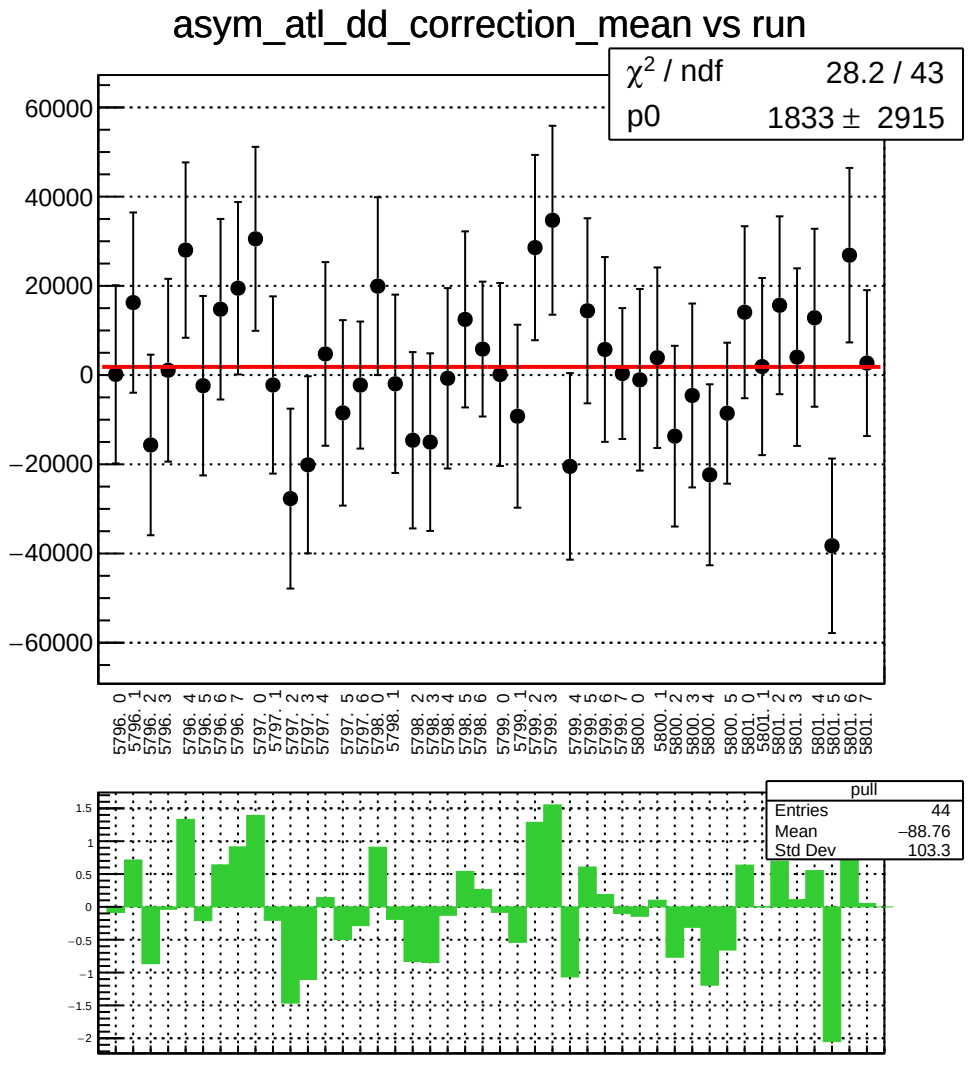

pull1D
Entries 44
Mean −0.005022
Std Dev 0.848
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

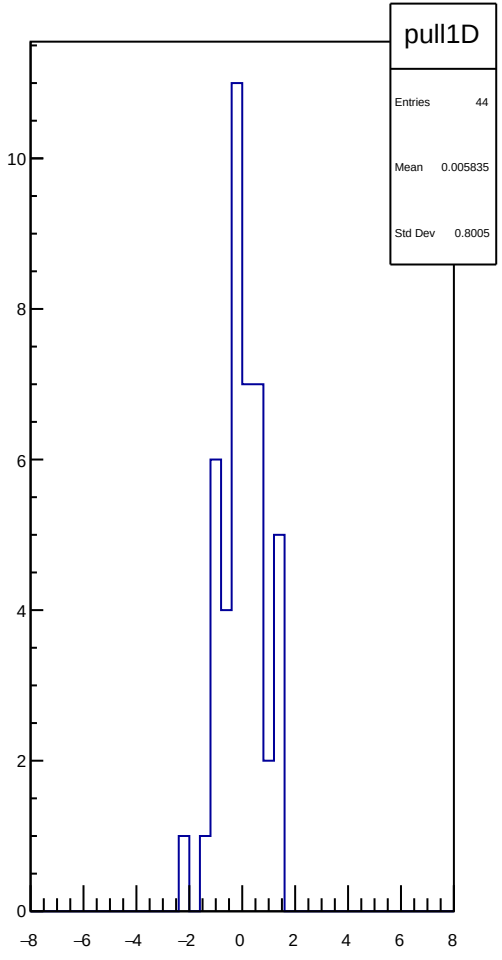

asym_atl_avg_rms vs run
χ^2 / ndf 2812 / 43
p0 4403 ± 4.756
7000
6500
6000
5500
5000
4500
4000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

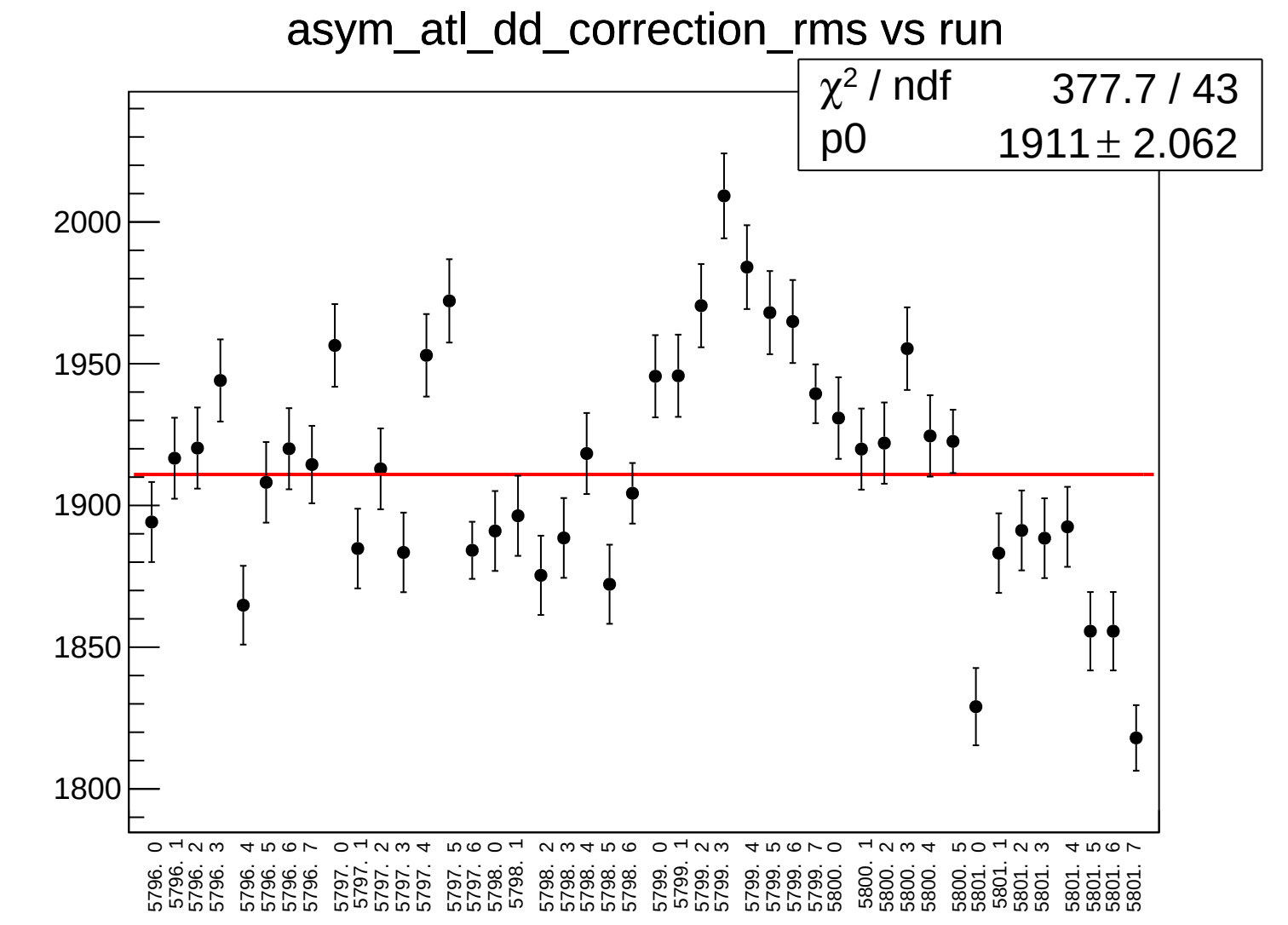

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 25.17 / 43
p0 7498 ± 3011
pull
Entries 44
Mean 65.86
Std Dev 46.44

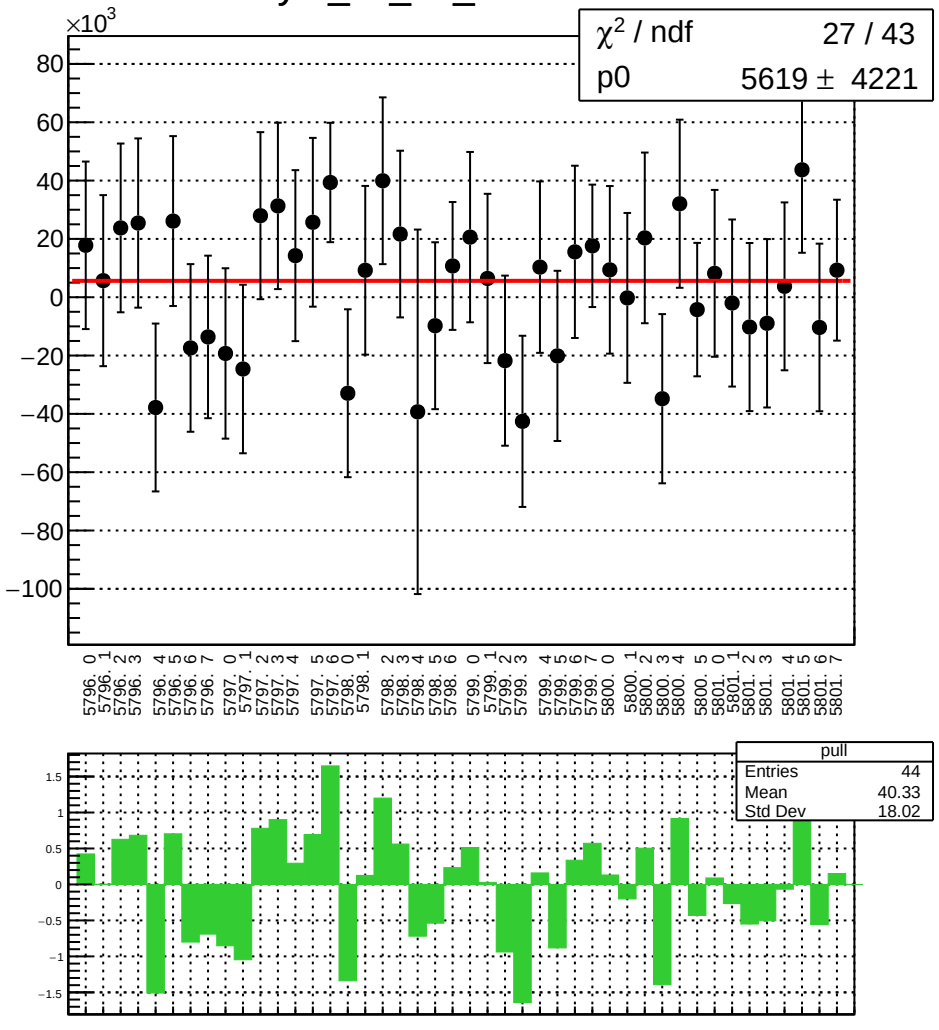

pull1D
Entries 44
Mean −0.03278
Std Dev 0.7556

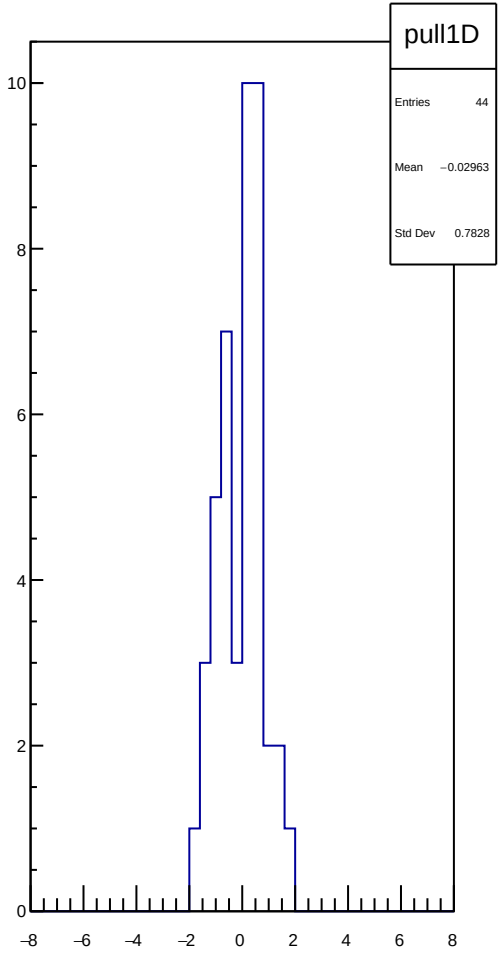

dit_asym_atl_dd_rms vs run
χ² / ndf 7660 / 43
p0 1965 ± 2.129
6000
5500
5000
4500
4000
3500
3000
2500
2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

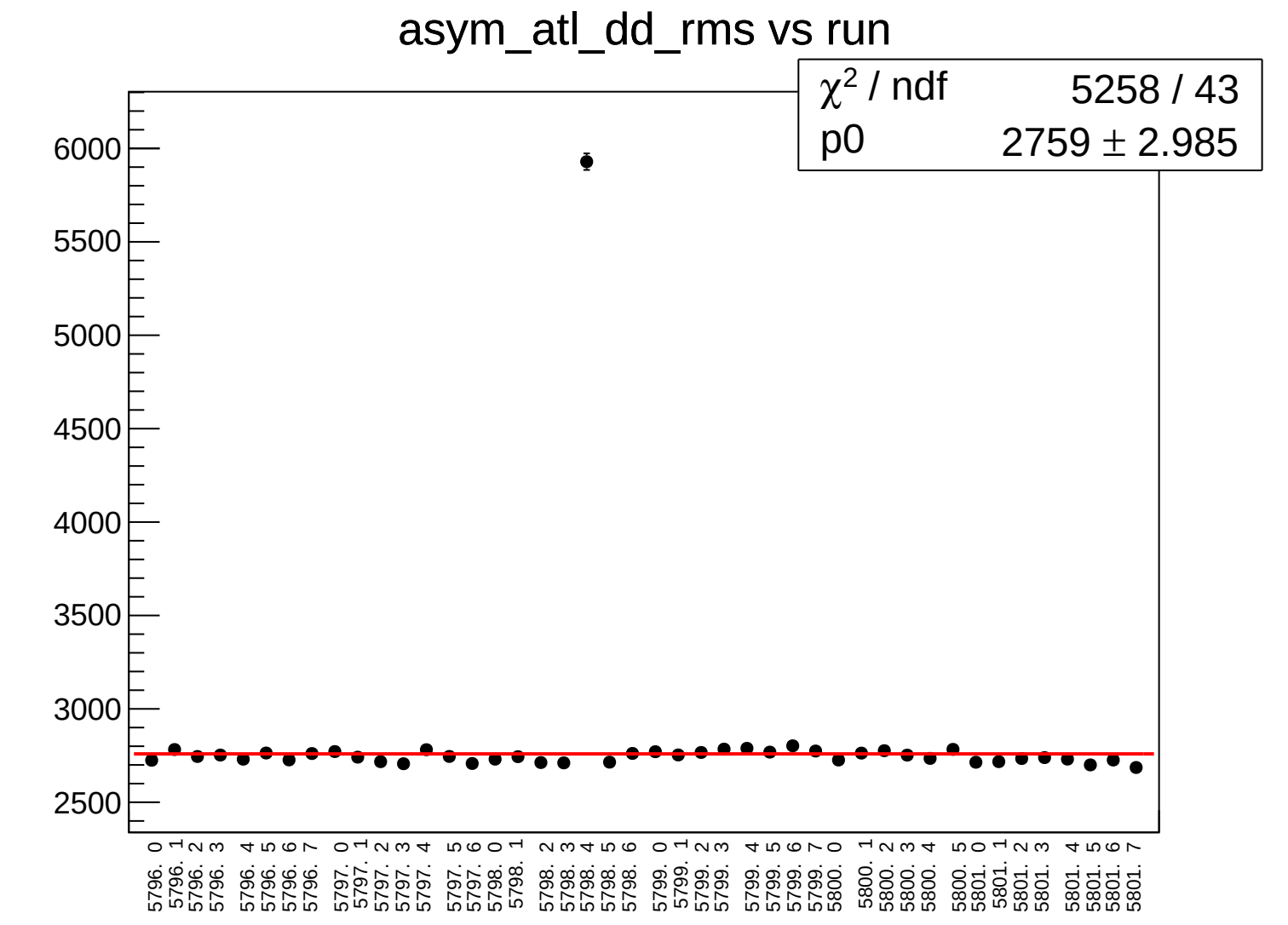

asym_atl_dd_correction_mean vs run
χ² / ndf 28.2 / 43
p0 1833 ± 2915
60000
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −88.76
Std Dev 103.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

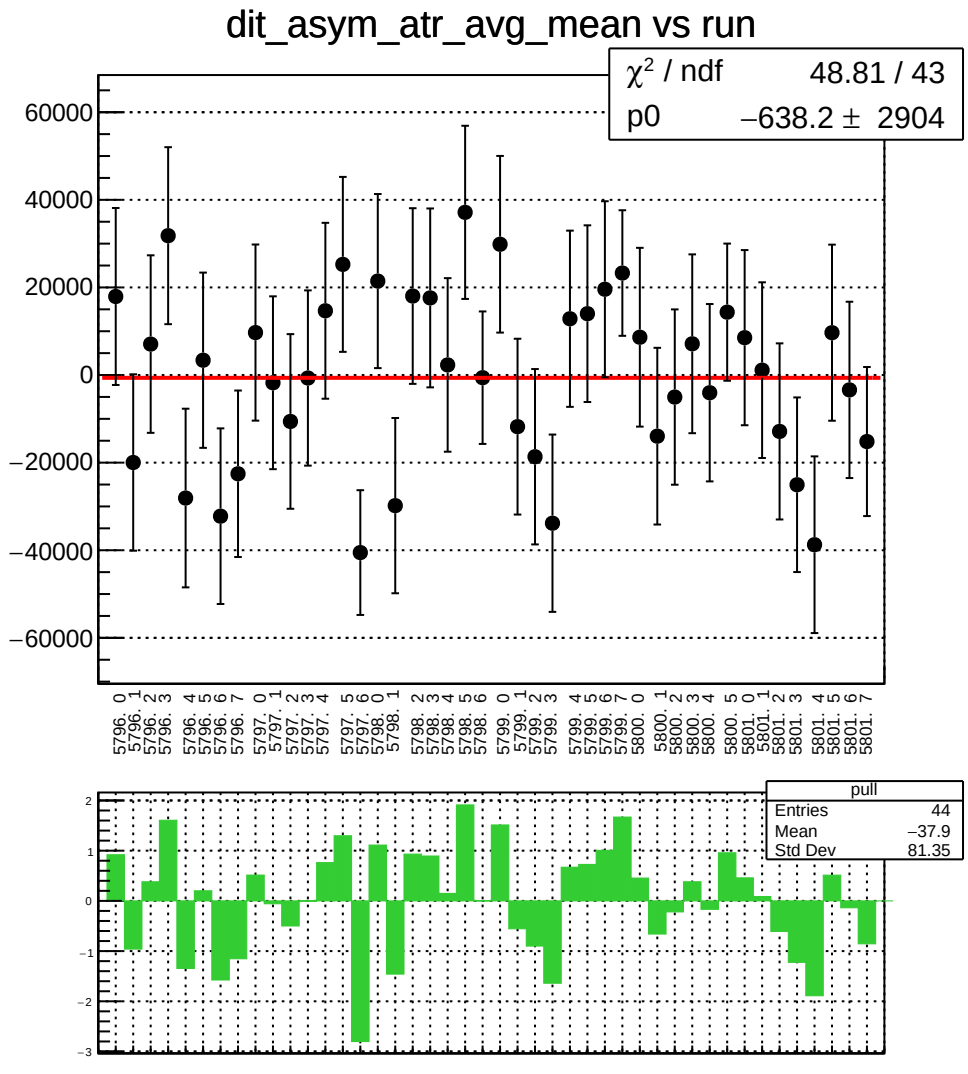

pull1D
Entries 44
Mean 0.005835
Std Dev 0.8005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

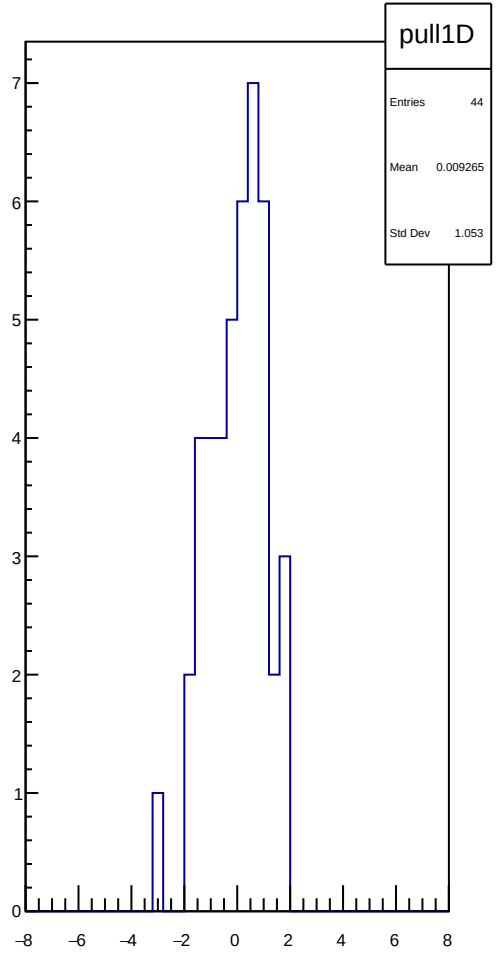

asym_atl_dd_correction_rms vs run
χ² / ndf 377.7 / 43
p0 1911 ± 2.062
2000
1950
1900
1850
1800
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

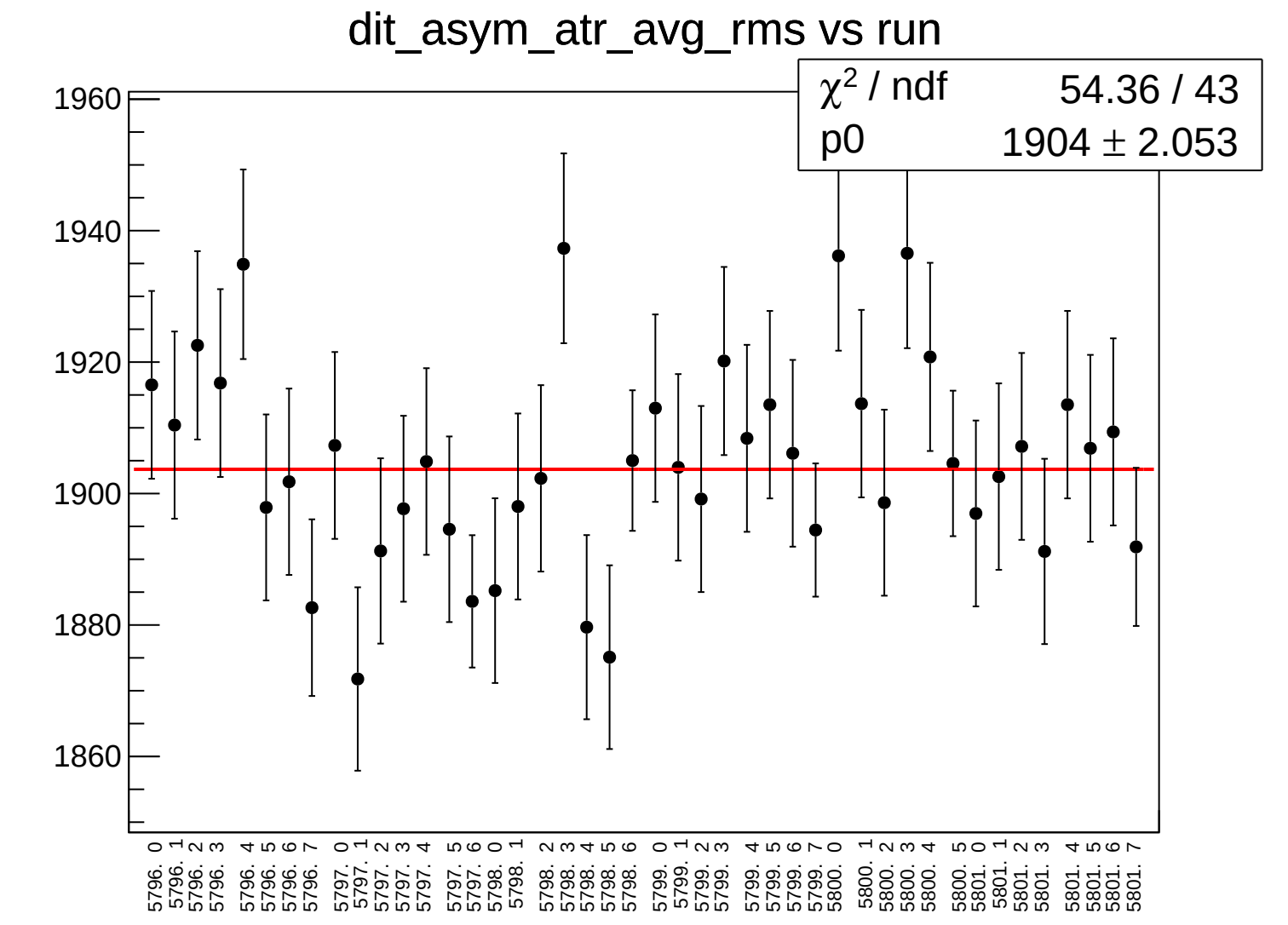

asym_atl_dd_mean vs run
×10^3
χ² / ndf 27 / 43
p0 5619 ± 4221
80
60
40
20
0
−20
−40
−60
−80
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 40.33
Std Dev 18.02
1.5
1
0.5
0
−0.5
−1
−1.5

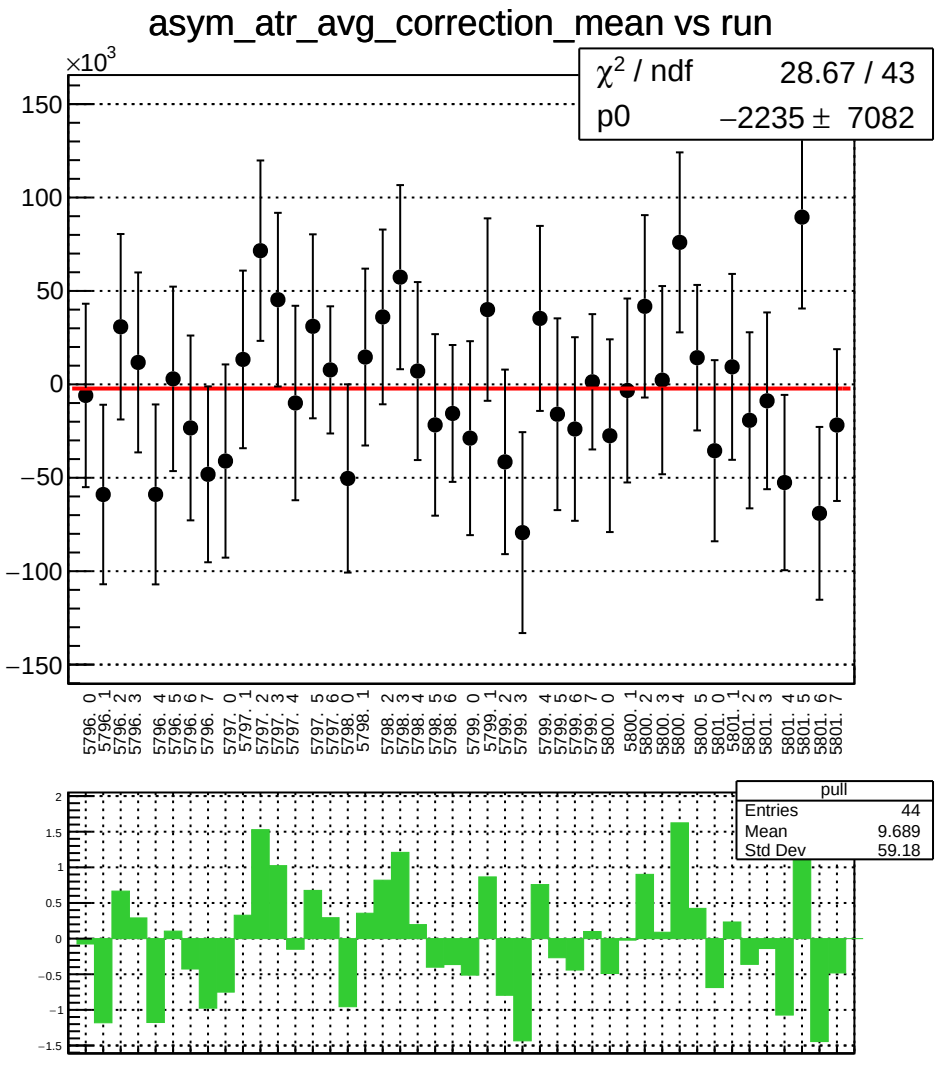

pull1D
Entries 44
Mean −0.02963
Std Dev 0.7828
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

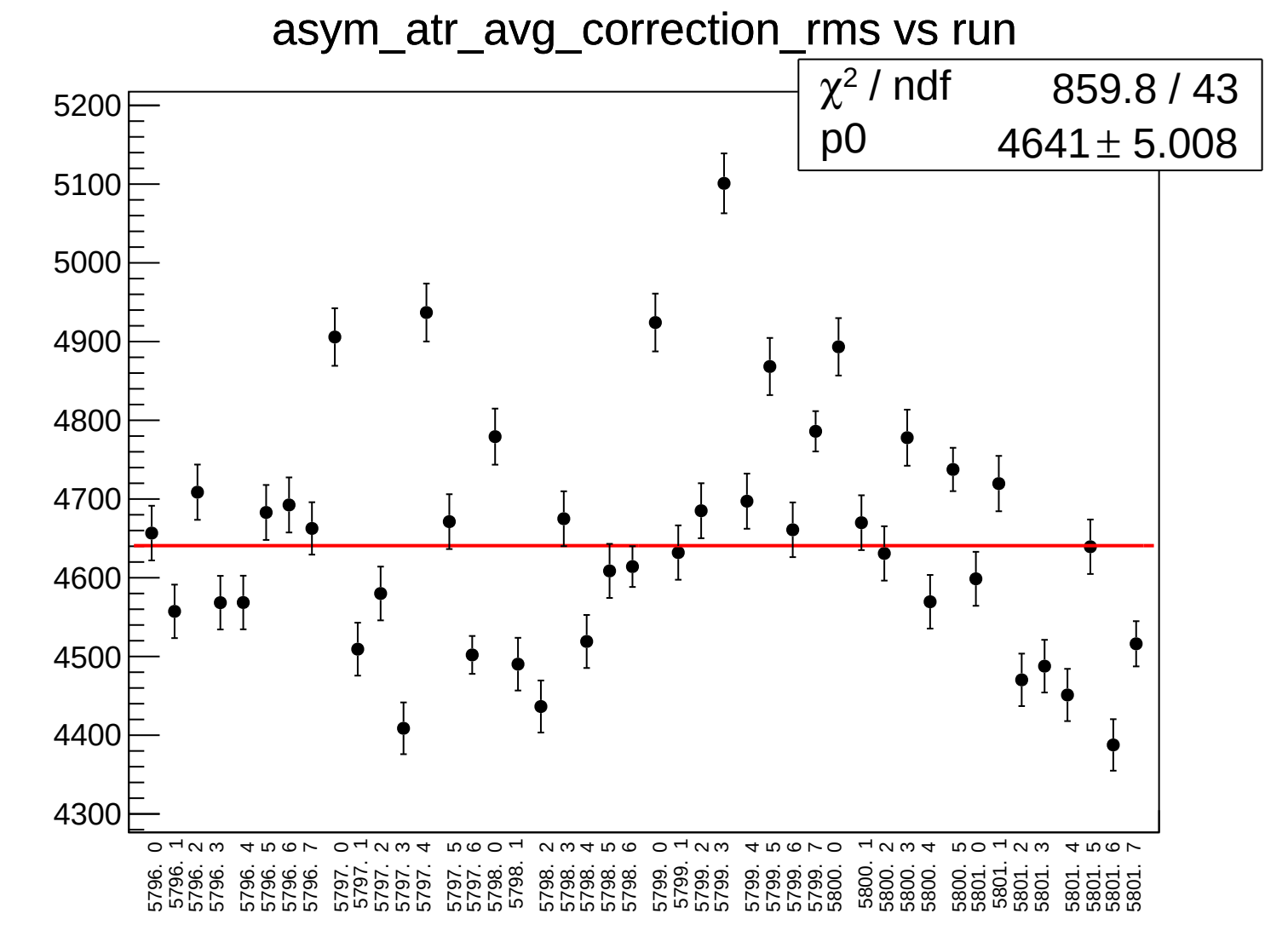

asym_atl_dd_rms vs run
χ^2 / ndf 5258 / 43
p0 2759 ± 2.985
6000
5500
5000
4500
4000
3500
3000
2500
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

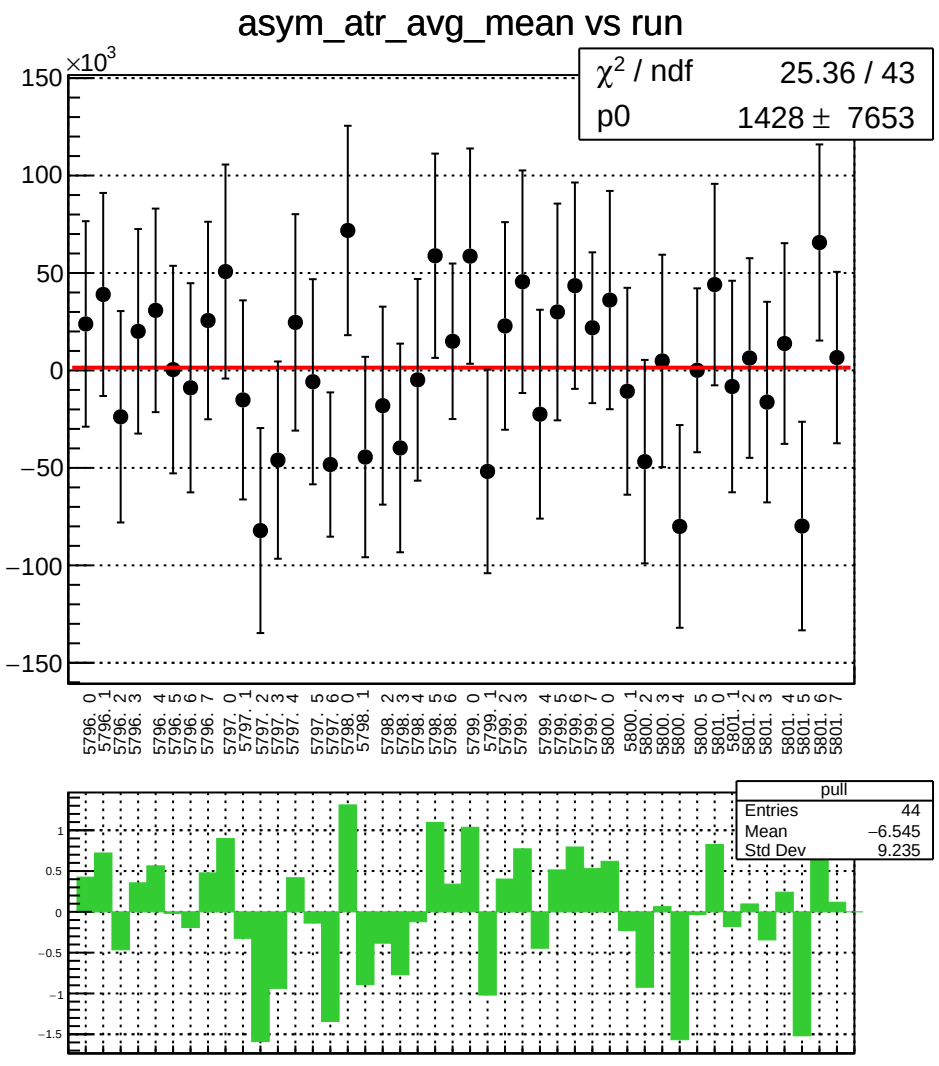

dit_asym_atr_avg_mean vs run
χ² / ndf 48.81 / 43
p0 −638.2 ± 2904
60000
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −37.9
Std Dev 81.35
2
1
0
−1
−2
−3

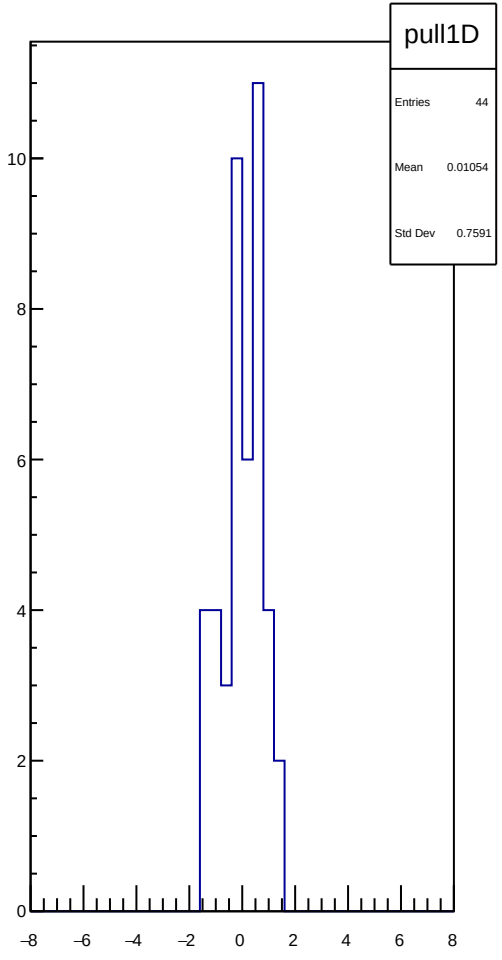

pull1D
Entries 44
Mean 0.009265
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

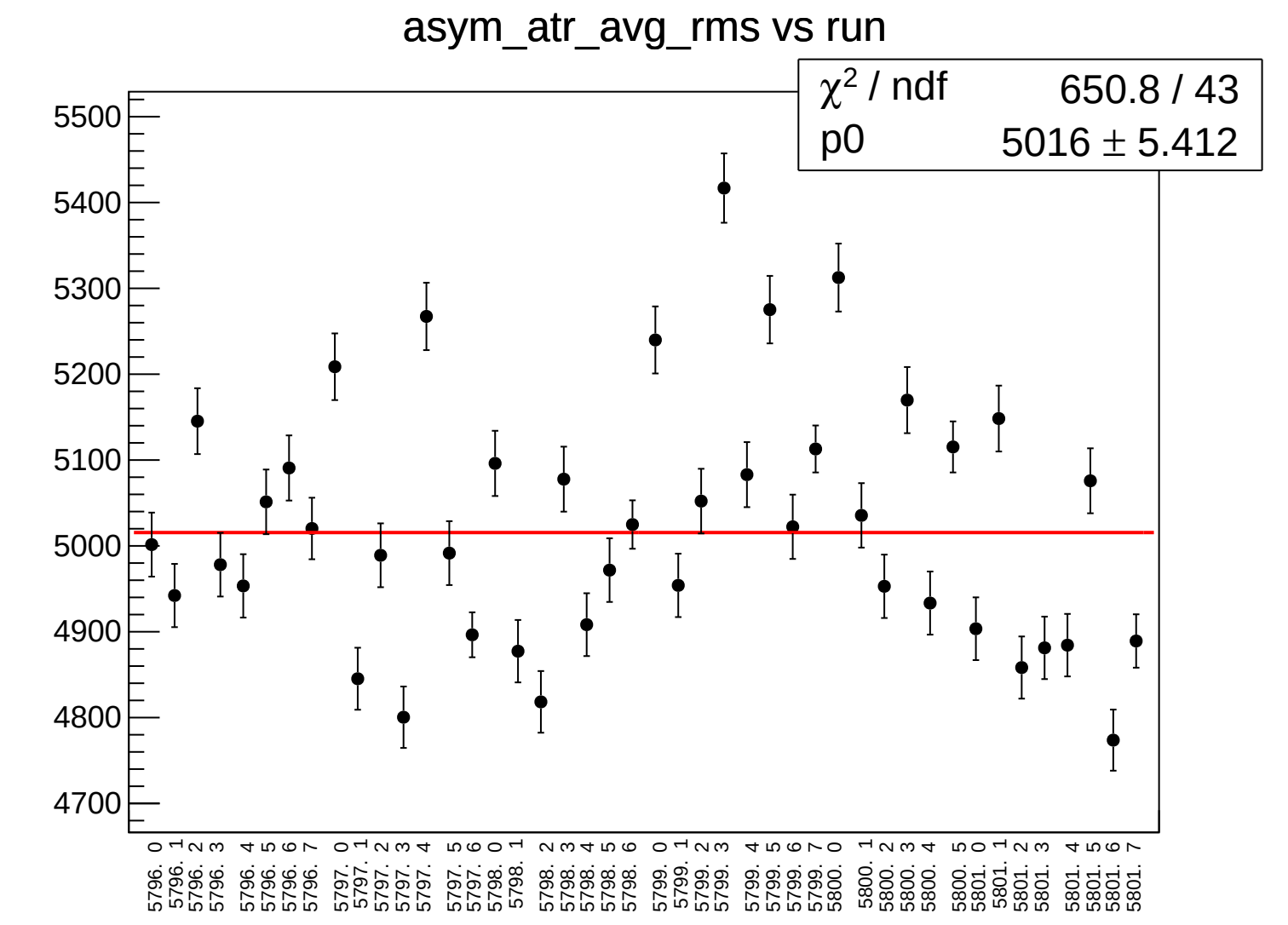

dit_asym_atr_avg_rms vs run
χ² / ndf 54.36 / 43
p0 1904 ± 2.053
1960
1940
1920
1900
1880
1860
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

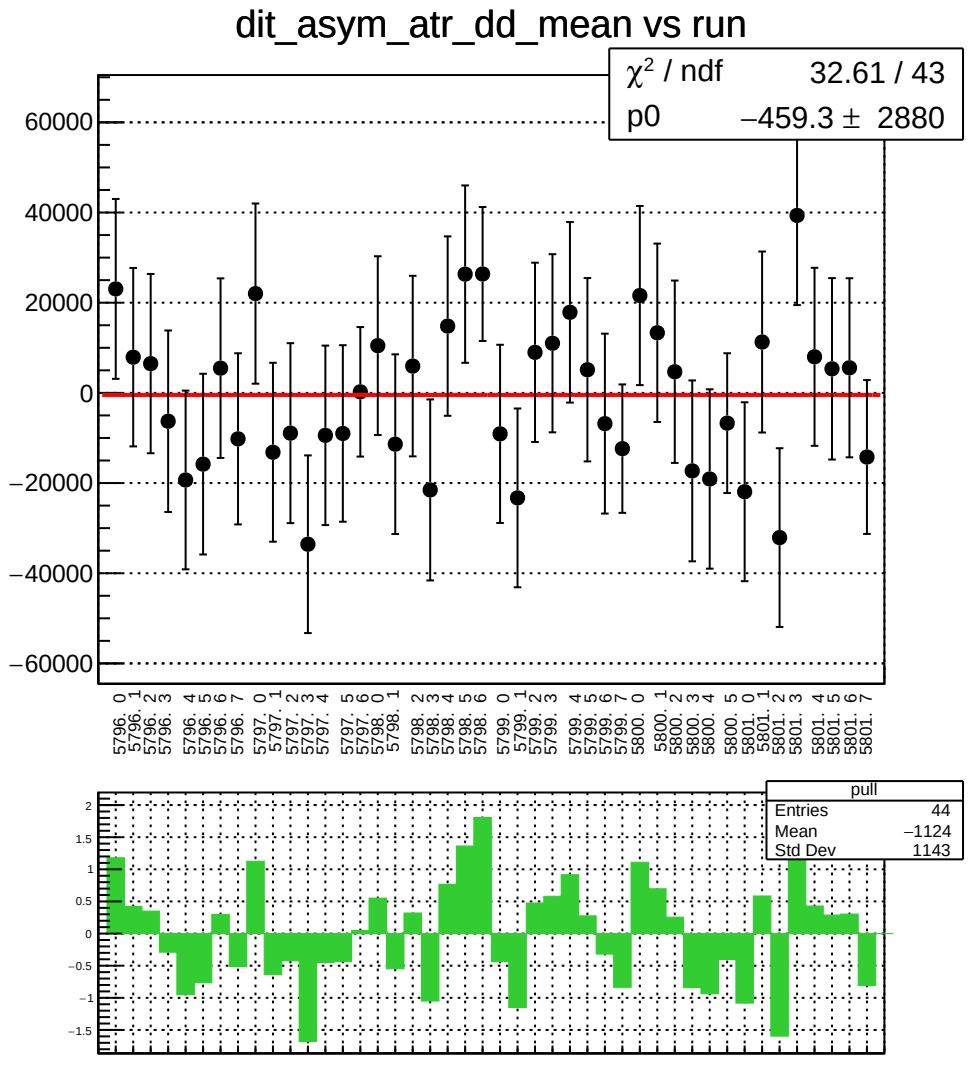

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 28.67 / 43
p0 −2235 ± 7082
150
100
50
0
−50
−100
−150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 9.689
Std Dev 59.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.005403
Std Dev 0.8073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

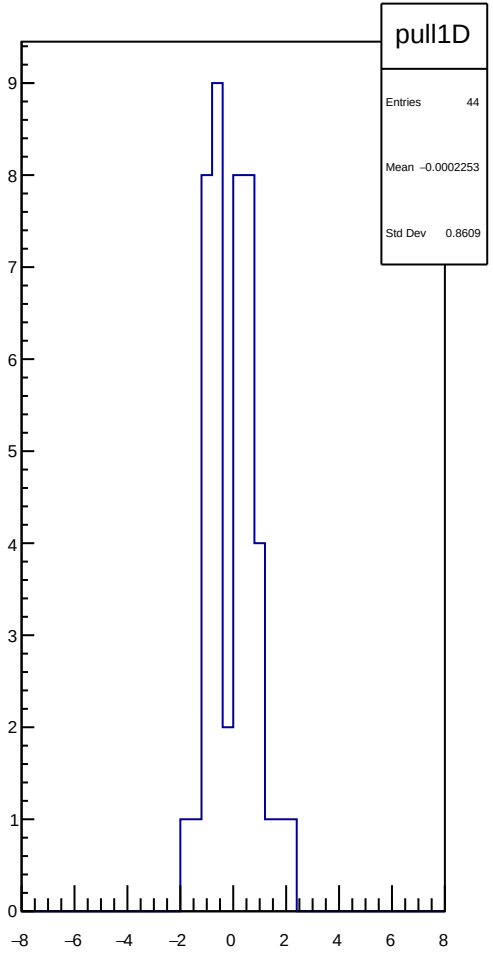

asym_atr_avg_correction_rms vs run
χ^2 / ndf 859.8 / 43
p0 4641 ± 5.008
5200
5100
5000
4900
4800
4700
4600
4500
4400
4300
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

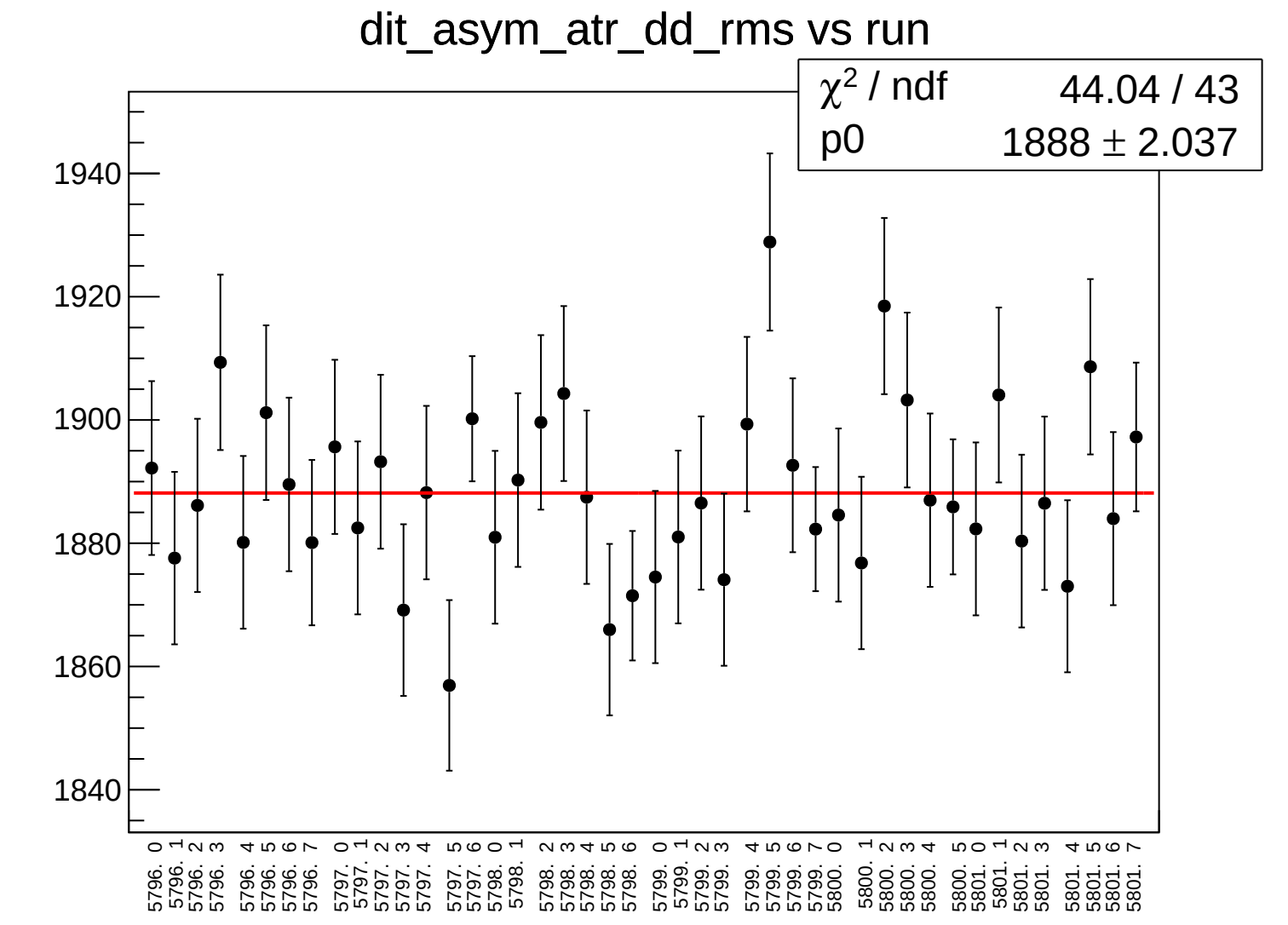

asym_atr_avg_mean vs run
×10^3
χ² / ndf 25.36 / 43
p0 1428 ± 7653
150
100
50
0
−50
−100
−150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −6.545
Std Dev 9.235
1
0.5
0
−0.5
−1
−1.5

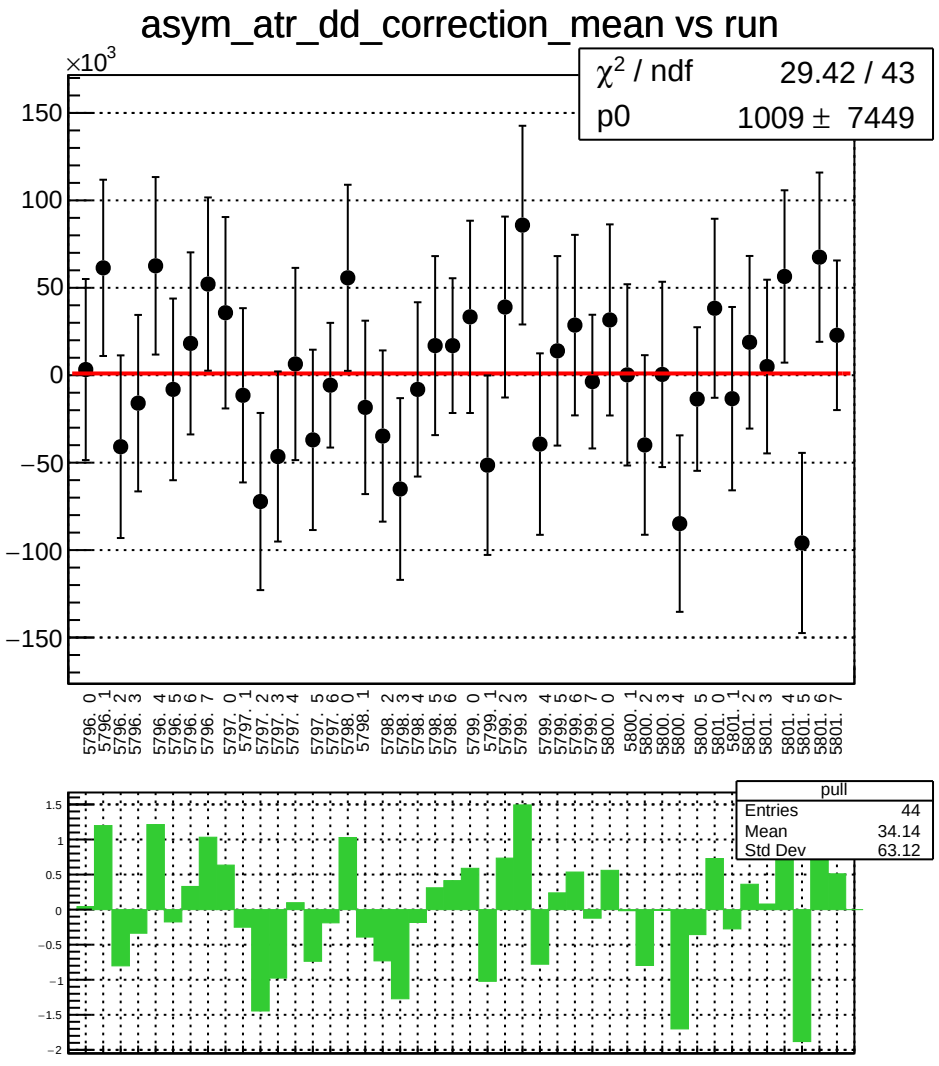

pull1D
Entries 44
Mean 0.01054
Std Dev 0.7591
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

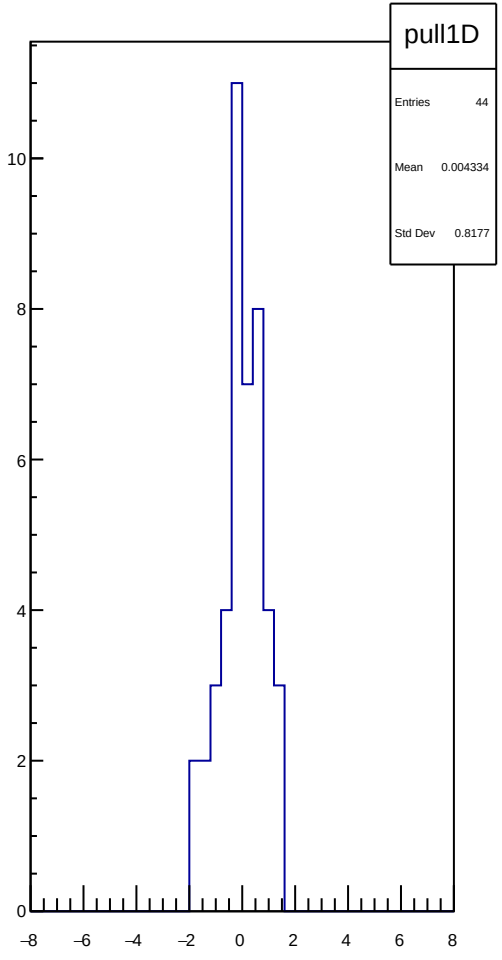

asym_atr_avg_rms vs run
χ^2 / ndf 650.8 / 43
p0 5016 ± 5.412
5500
5400
5300
5200
5100
5000
4900
4800
4700
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

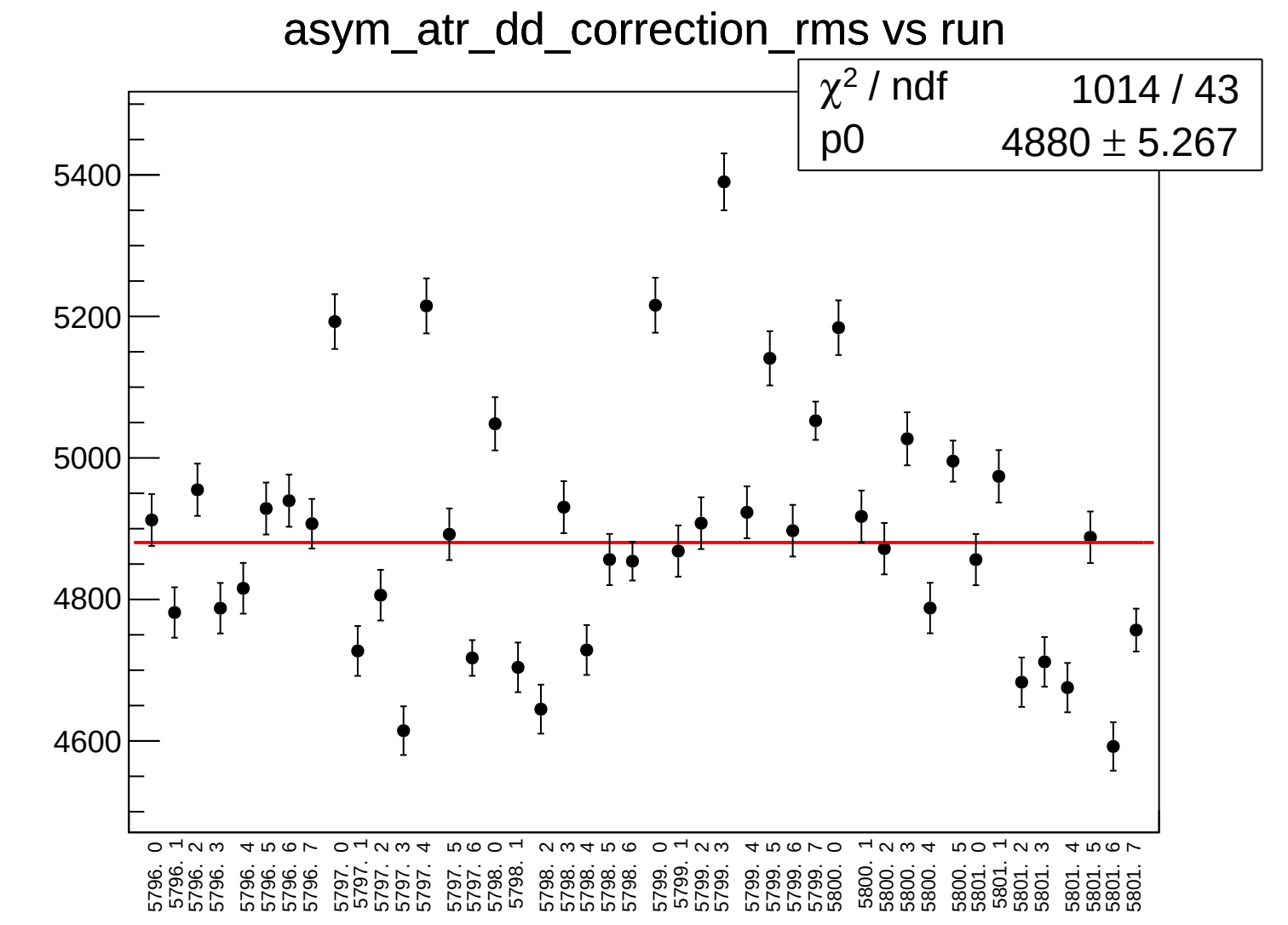

dit_asym_atr_dd_mean vs run
χ² / ndf 32.61 / 43
p0 −459.3 ± 2880
60000
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −1124
Std Dev 1143
2
1.5
1
0.5
0
−0.5
−1
−1.5

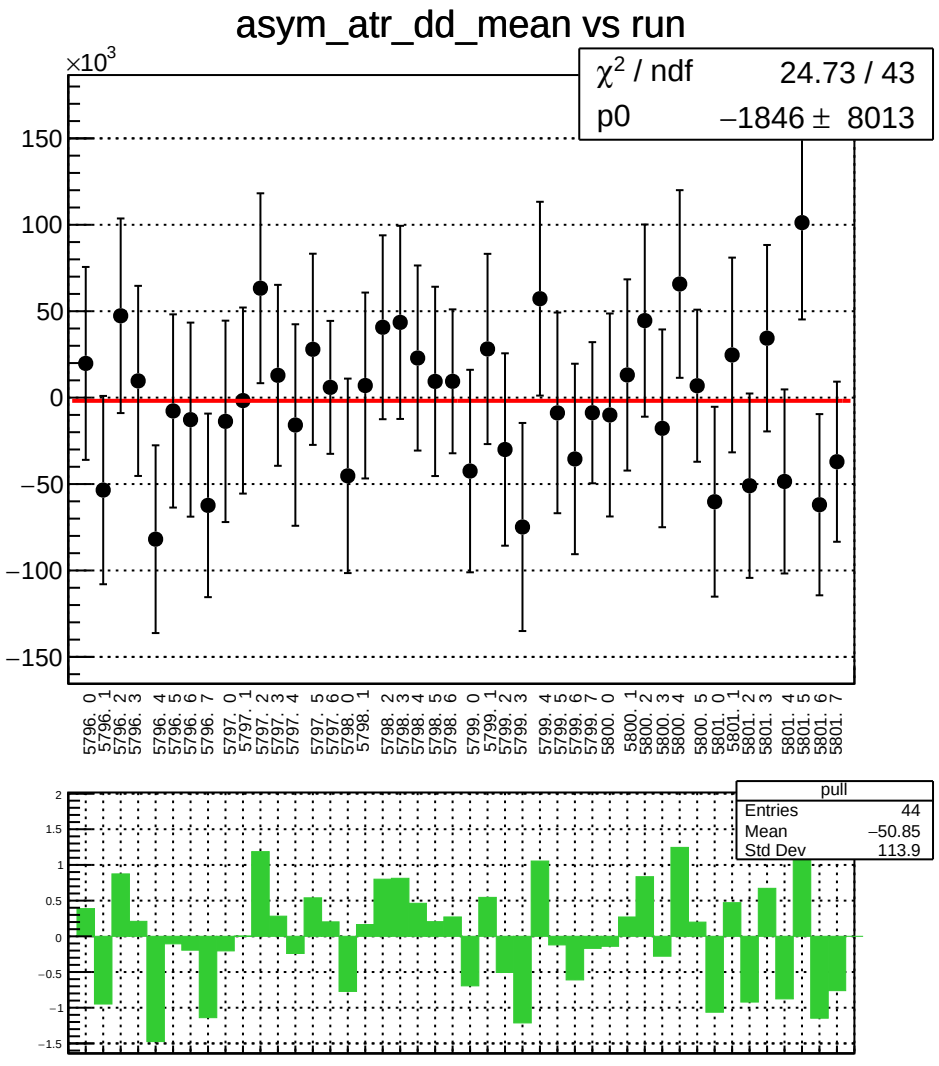

pull1D
Entries 44
Mean −0.0002253
Std Dev 0.8609
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

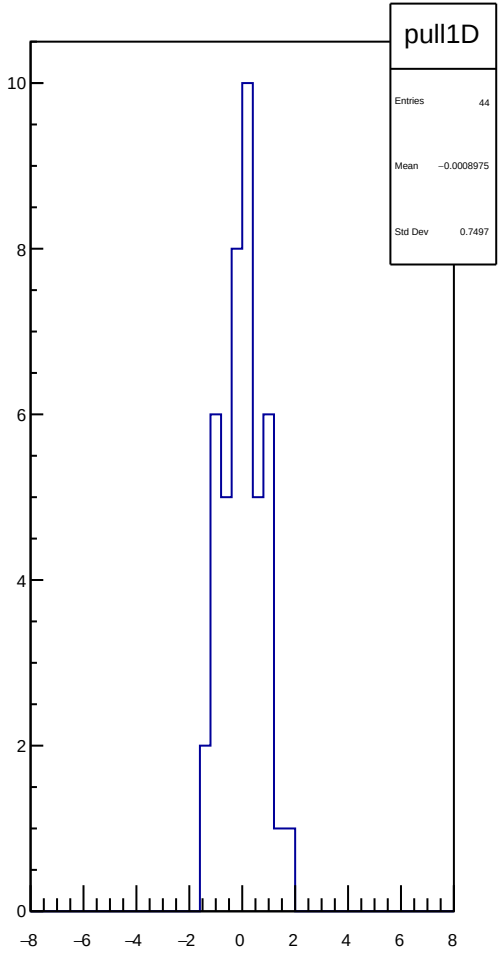

dit_asym_atr_dd_rms vs run
χ² / ndf 44.04 / 43
p0 1888 ± 2.037
1940
1920
1900
1880
1860
1840
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

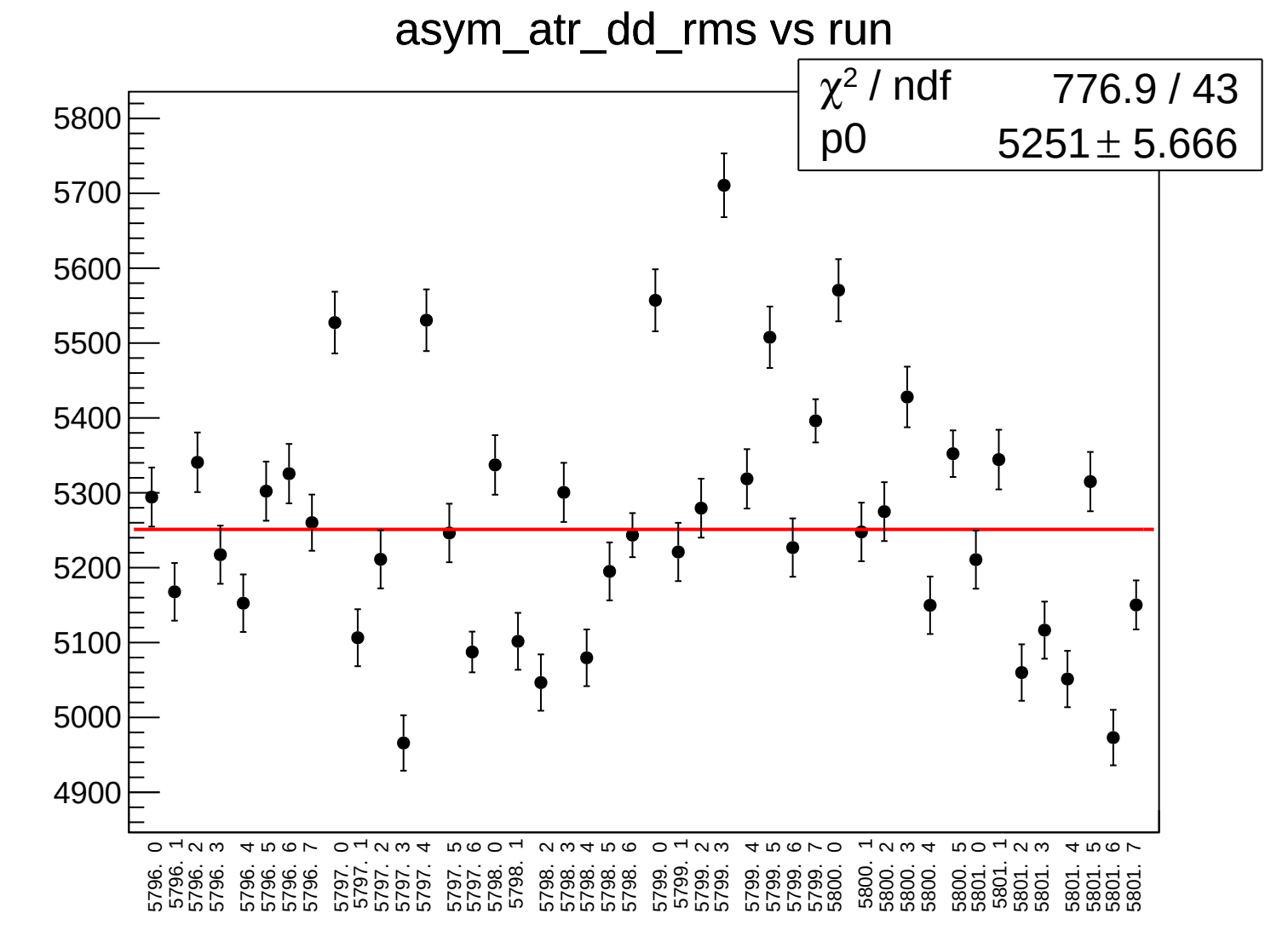

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 29.42 / 43
p0 1009 ± 7449
150
100
50
0
−50
−100
−150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 34.14
Std Dev 63.12
1.5
1
0.5
0
−0.5
−1
−1.5
−2

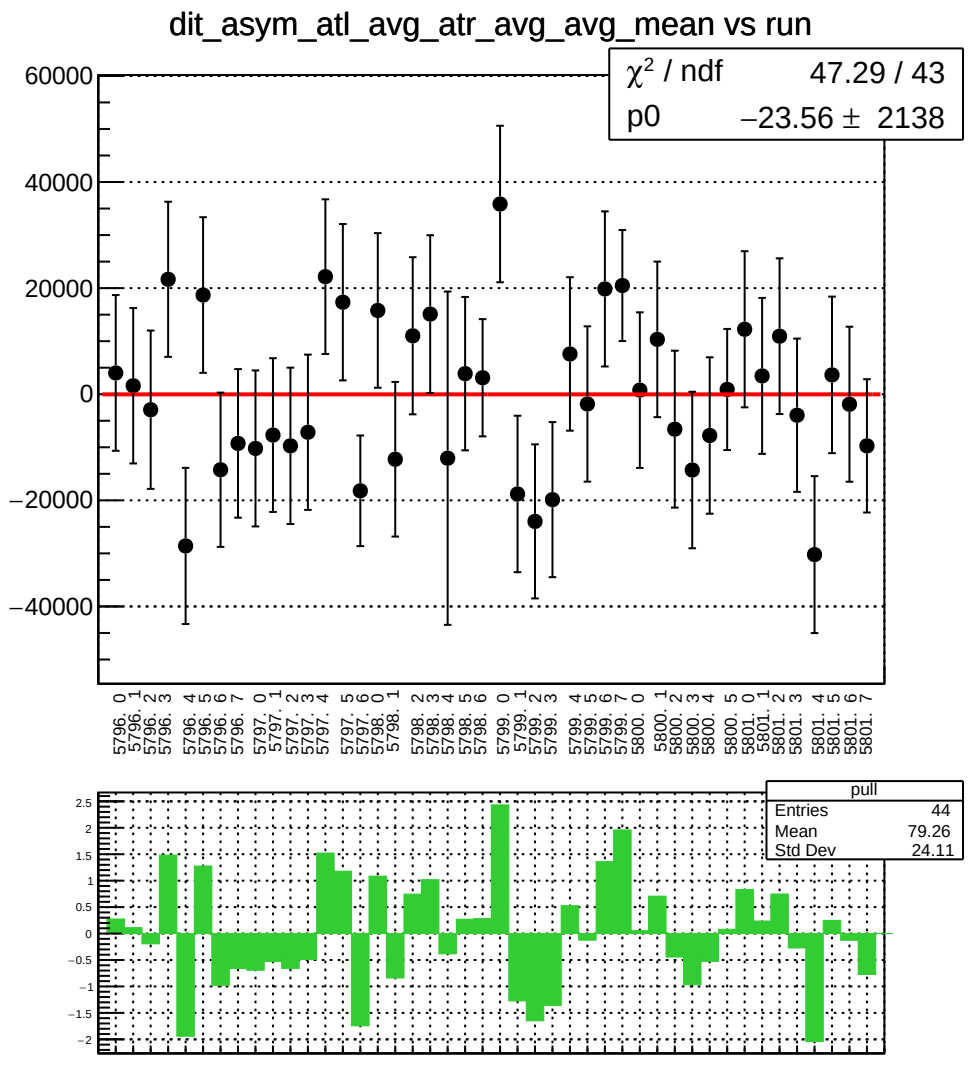

pull1D
Entries 44
Mean 0.004334
Std Dev 0.8177
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

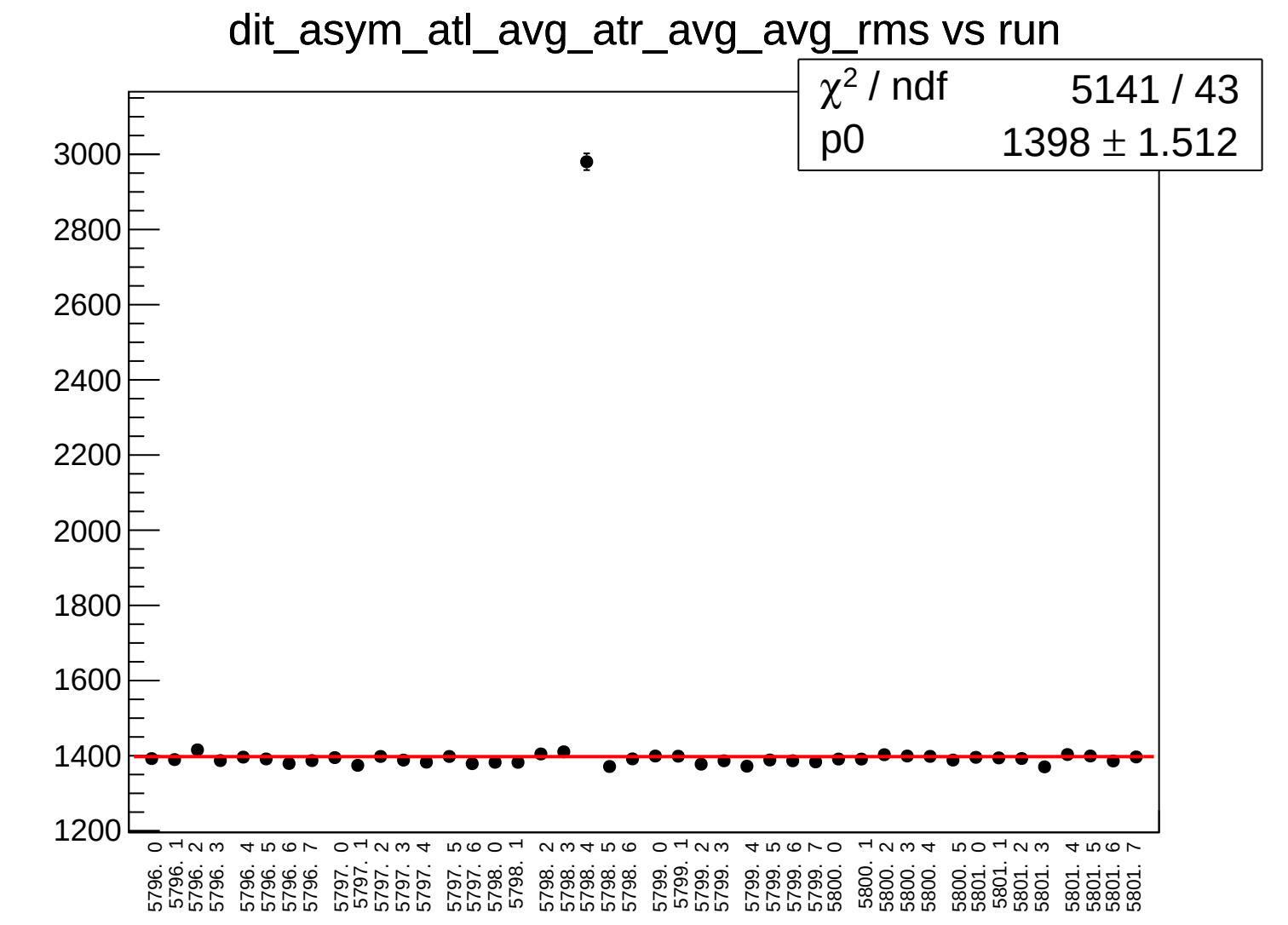

asym_atr_dd_correction_rms vs run
χ² / ndf 1014 / 43
p0 4880 ± 5.267
5400
5200
5000
4800
4600
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

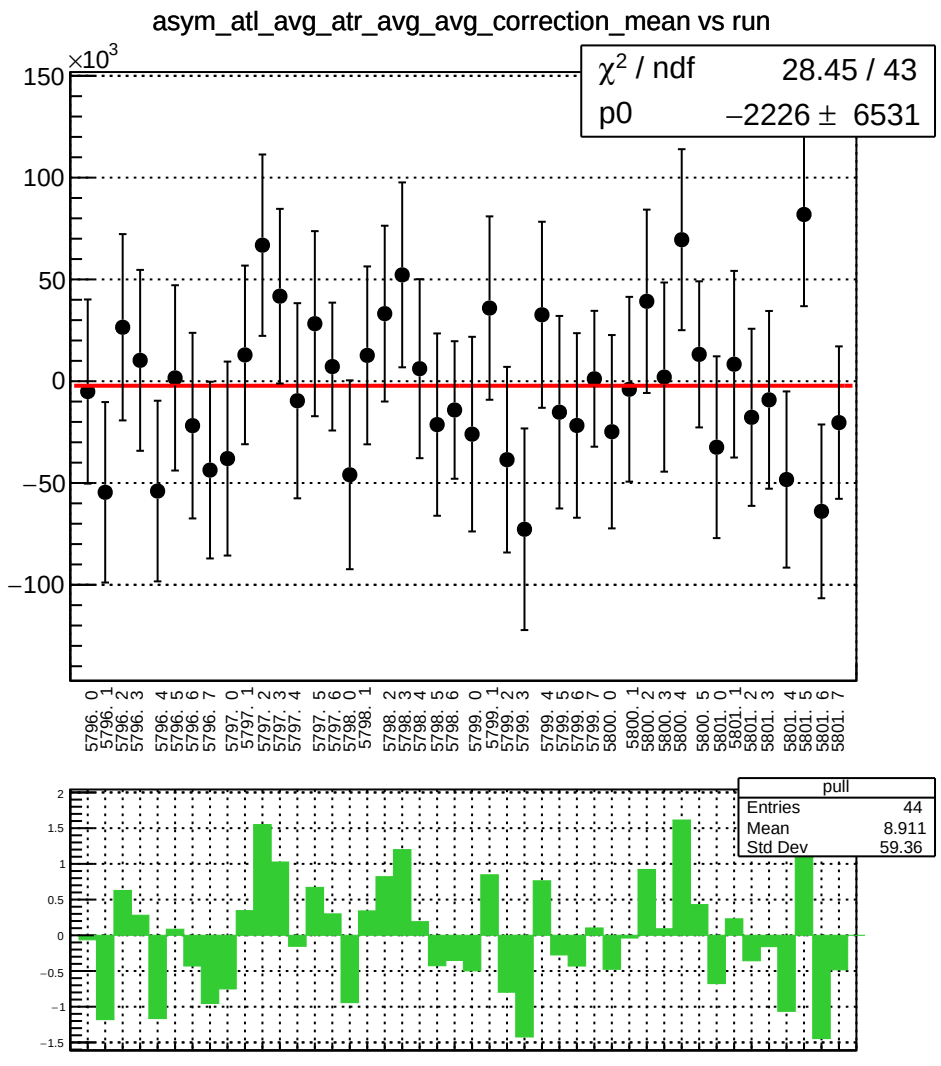

asym_atr_dd_mean vs run
×10^3
χ² / ndf 24.73 / 43
p0 −1846 ± 8013
150
100
50
0
−50
−100
−150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −50.85
Std Dev 113.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

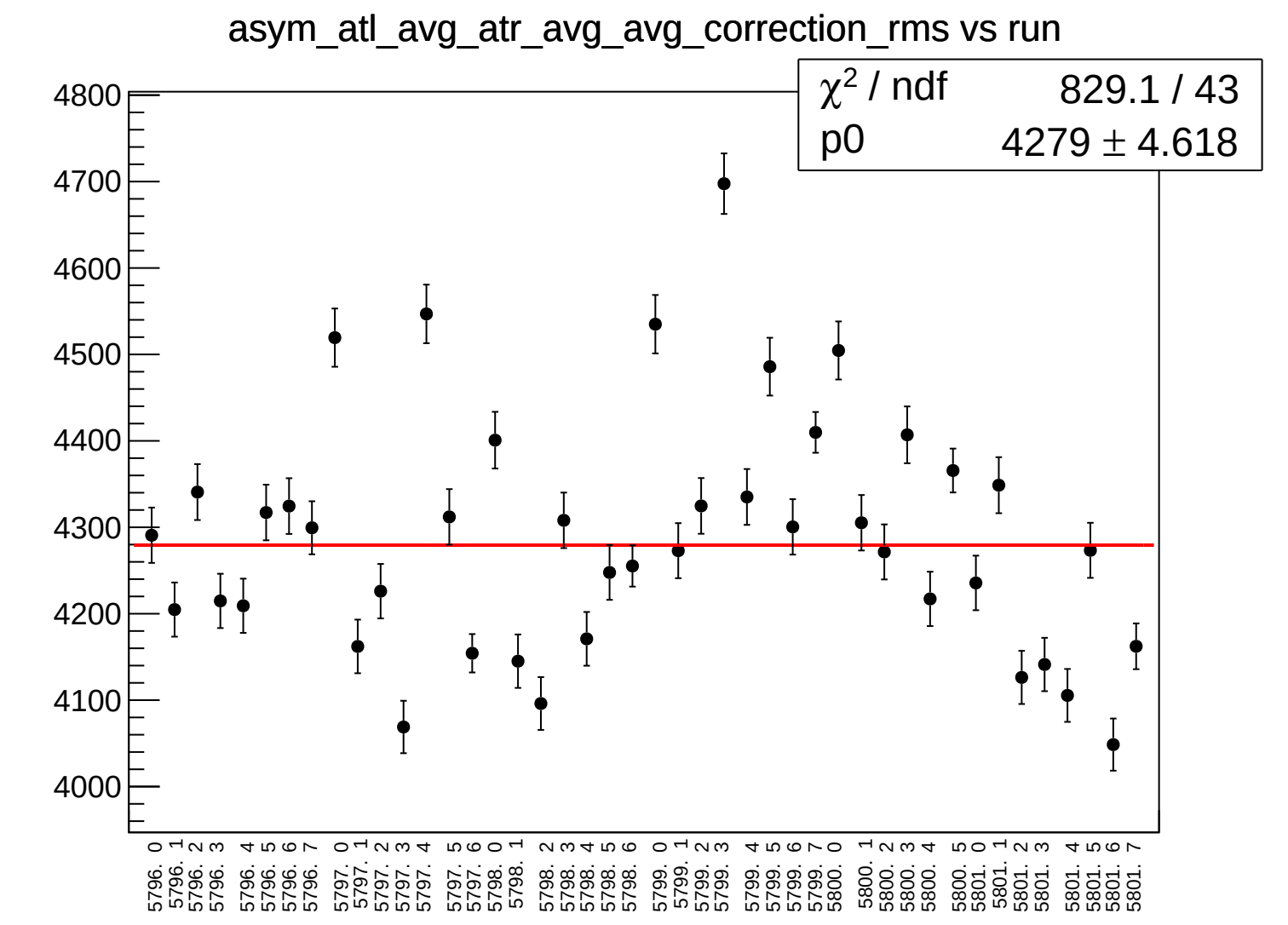

pull1D
Entries 44
Mean −0.0008975
Std Dev 0.7497
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

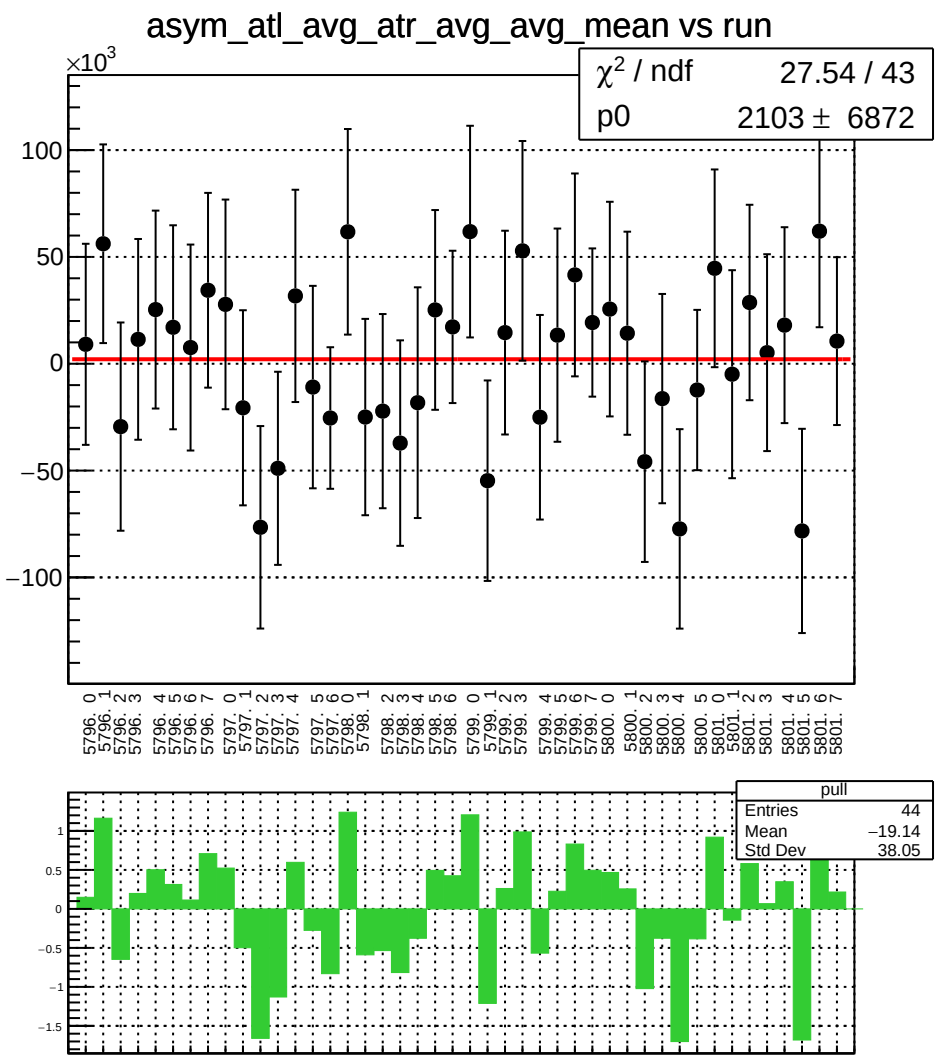

asym_atr_dd_rms vs run
χ^2 / ndf 776.9 / 43
p0 5251 ± 5.666
5800
5700
5600
5500
5400
5300
5200
5100
5000
4900
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

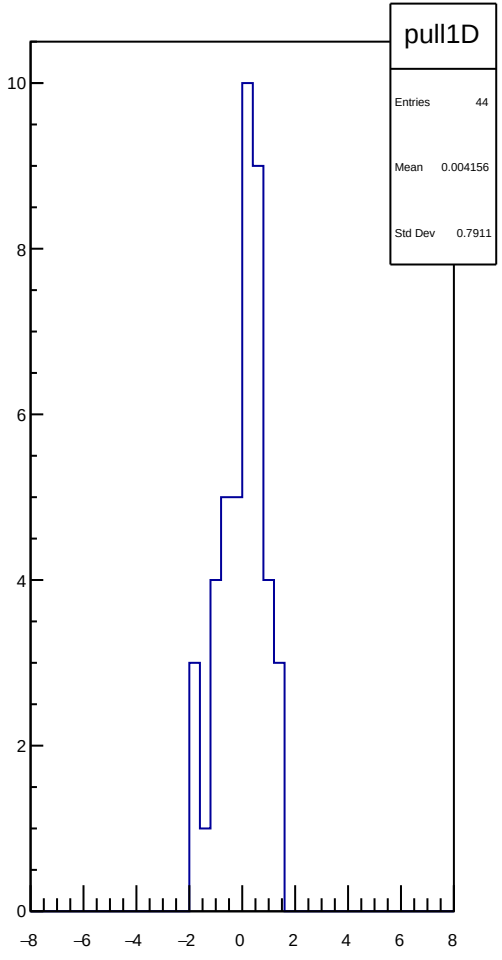

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 47.29 / 43
p0 −23.56 ± 2138
60000
40000
20000
0
−20000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 79.26
Std Dev 24.11
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.005219
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

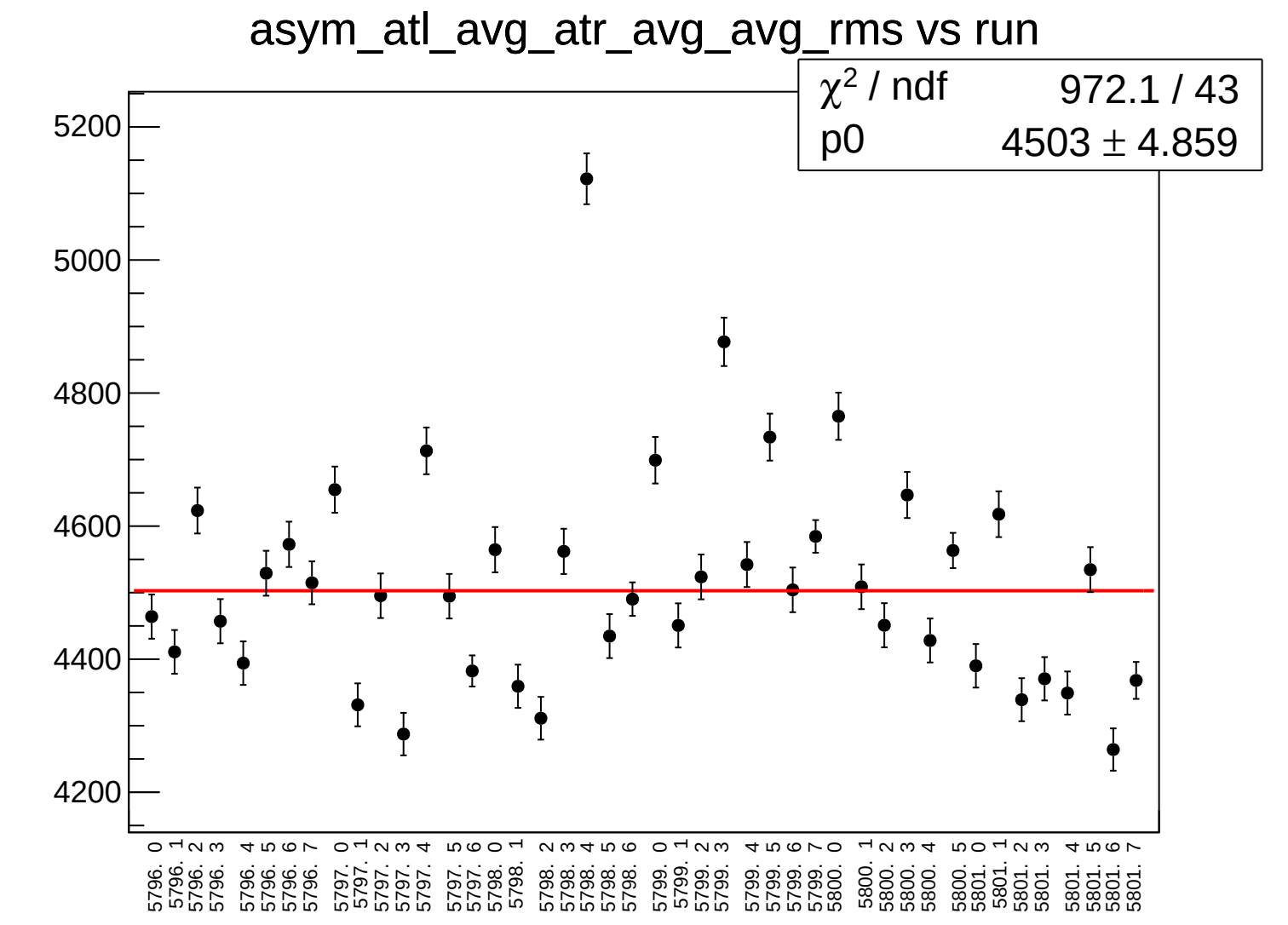

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5141 / 43
p0 1398 ± 1.512
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

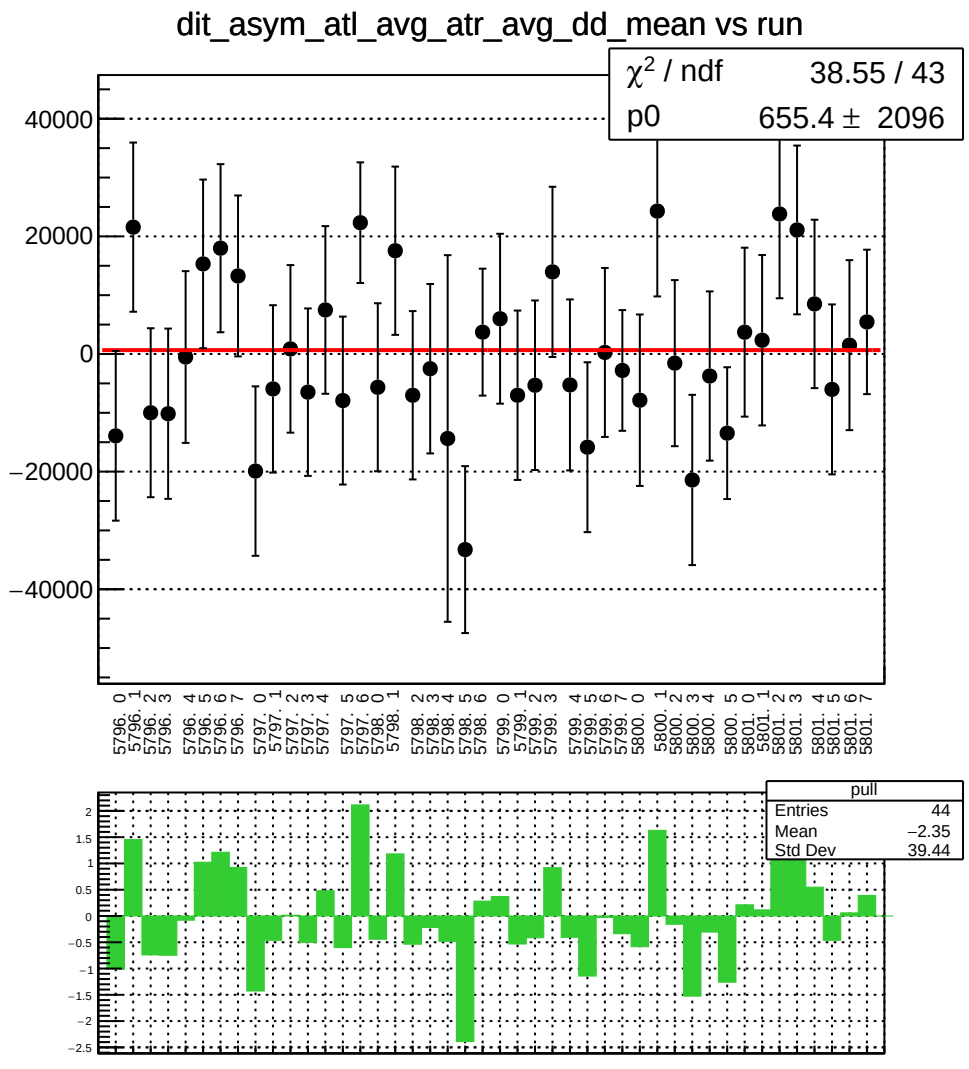

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 28.45 / 43
p0 −2226 ± 6531
150
100
50
0
−50
−100
pull
Entries 44
Mean 8.911
Std Dev 59.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.005396
Std Dev 0.8042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

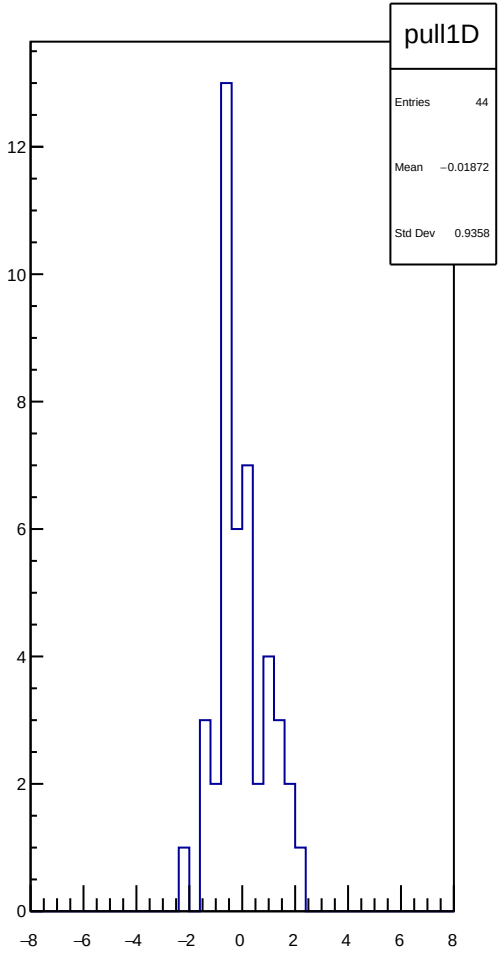

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 829.1 / 43
p0 4279 ± 4.618
4800
4700
4600
4500
4400
4300
4200
4100
4000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

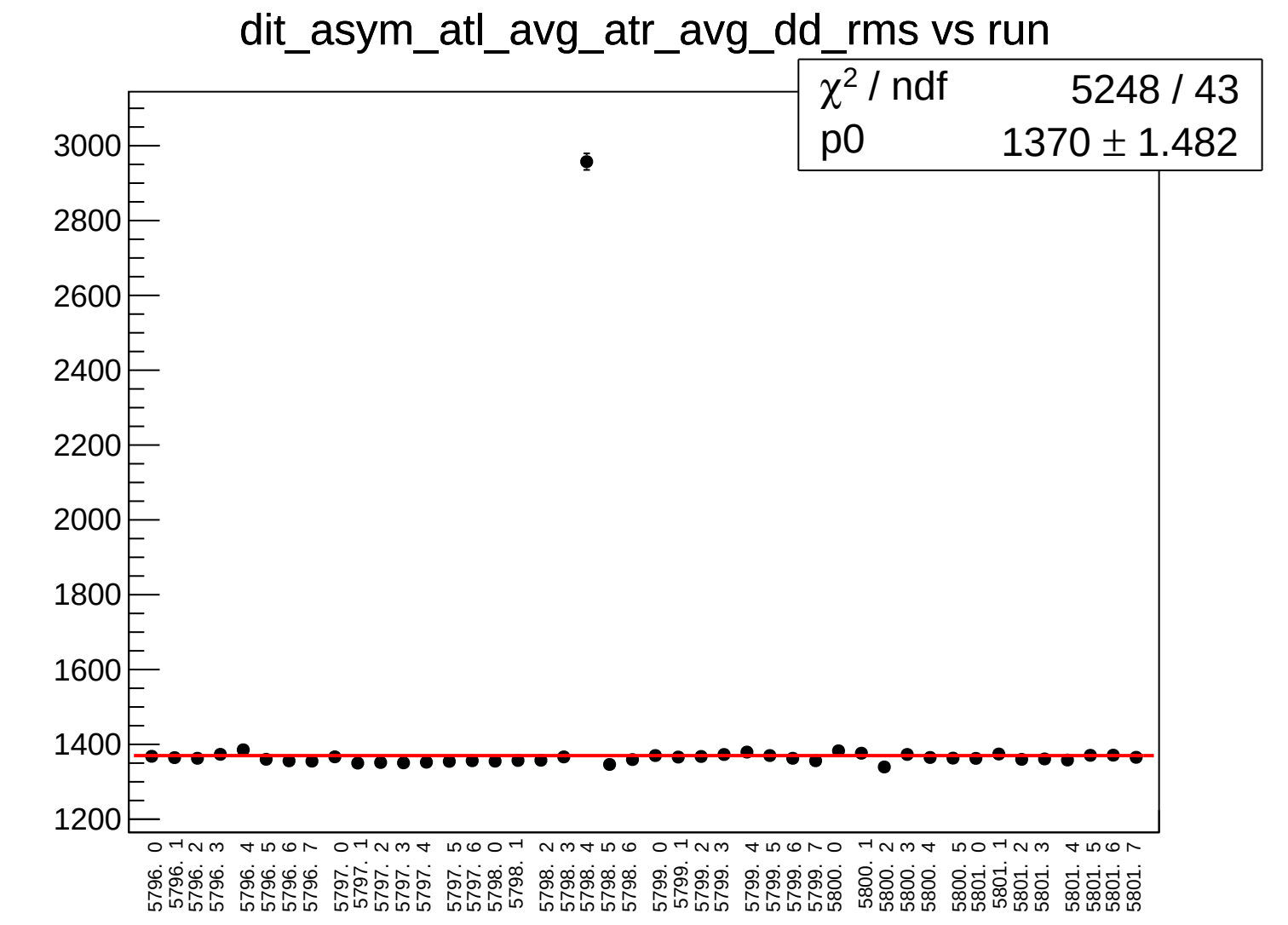

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 27.54 / 43
p0 2103 ± 6872
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −19.14
Std Dev 38.05
1
0.5
0
−0.5
−1
−1.5

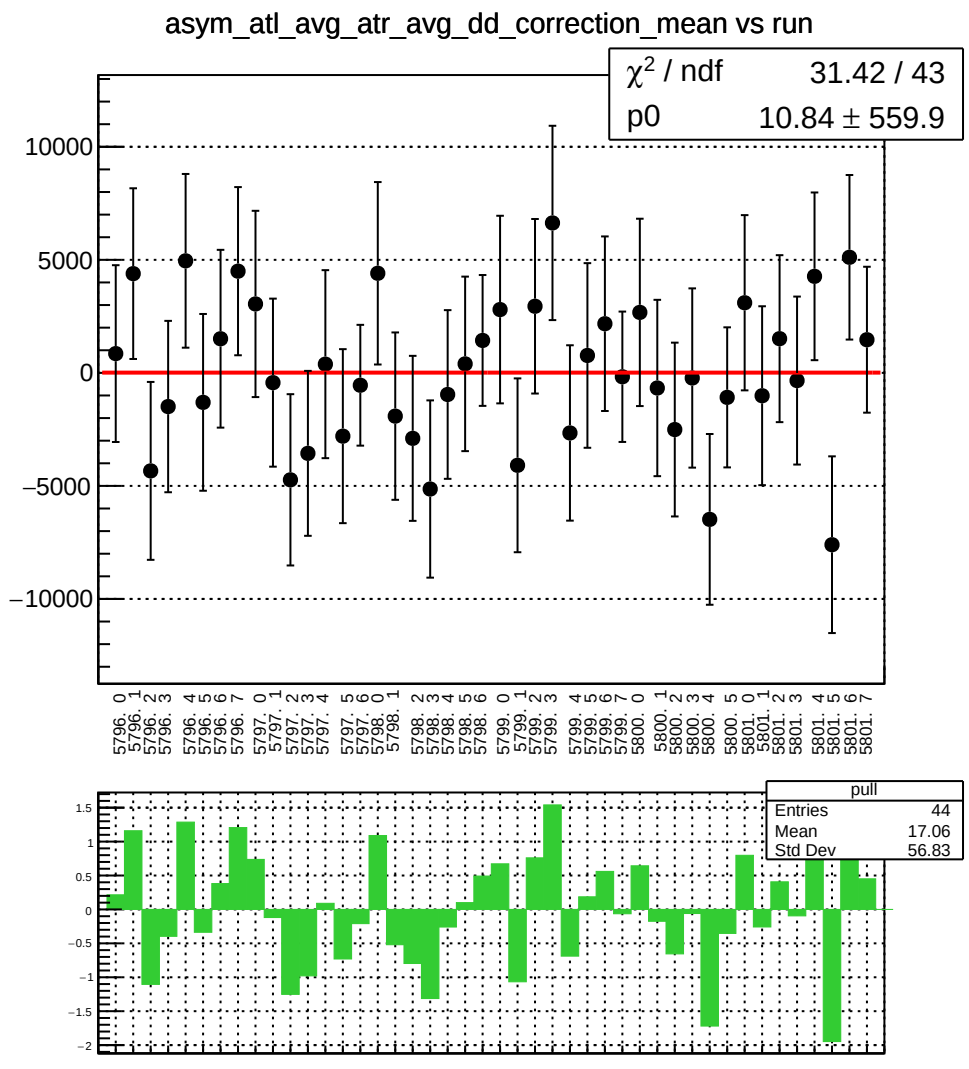

pull1D
Entries 44
Mean 0.004156
Std Dev 0.7911
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

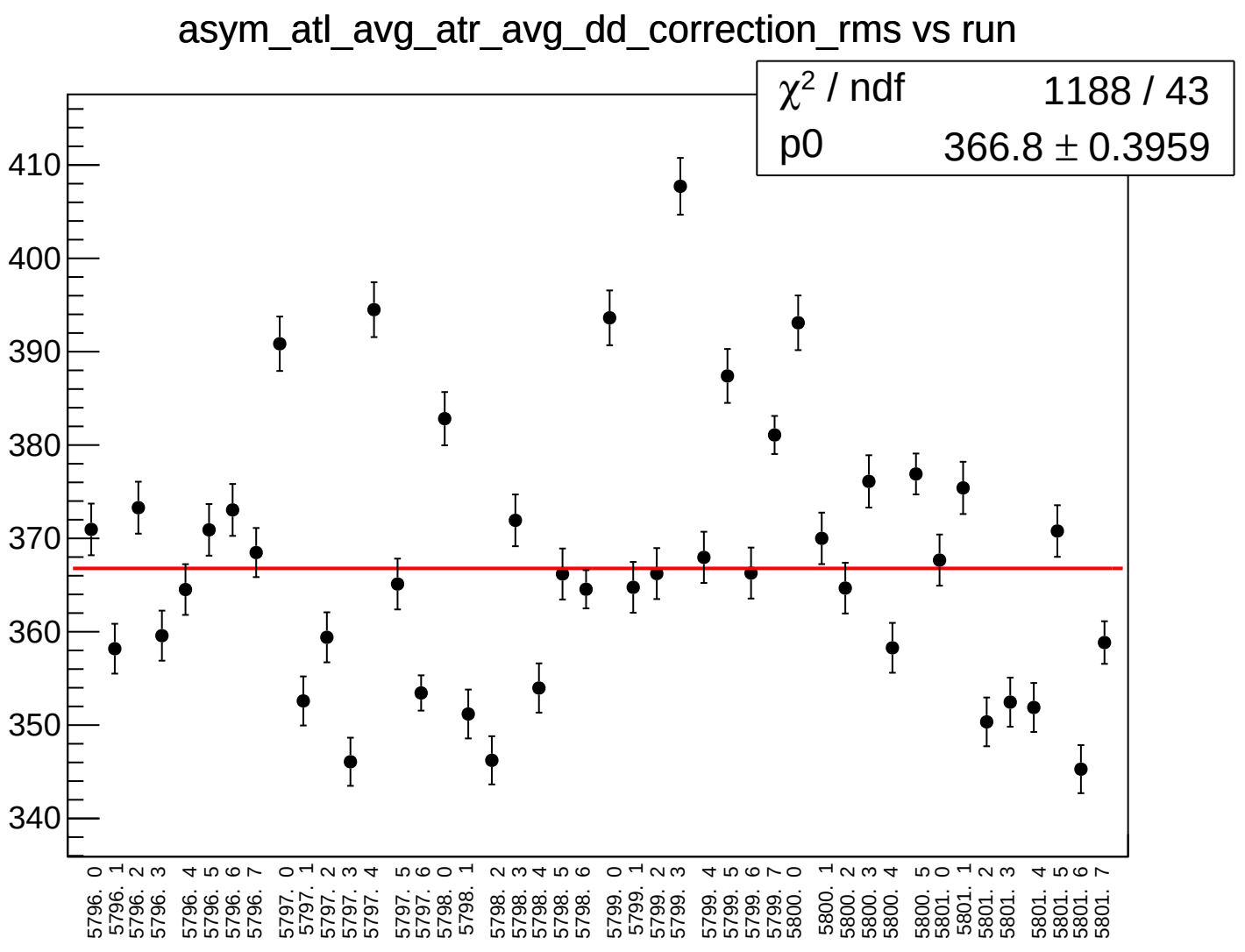

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 972.1 / 43
p0 4503 ± 4.859
5200
5000
4800
4600
4400
4200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

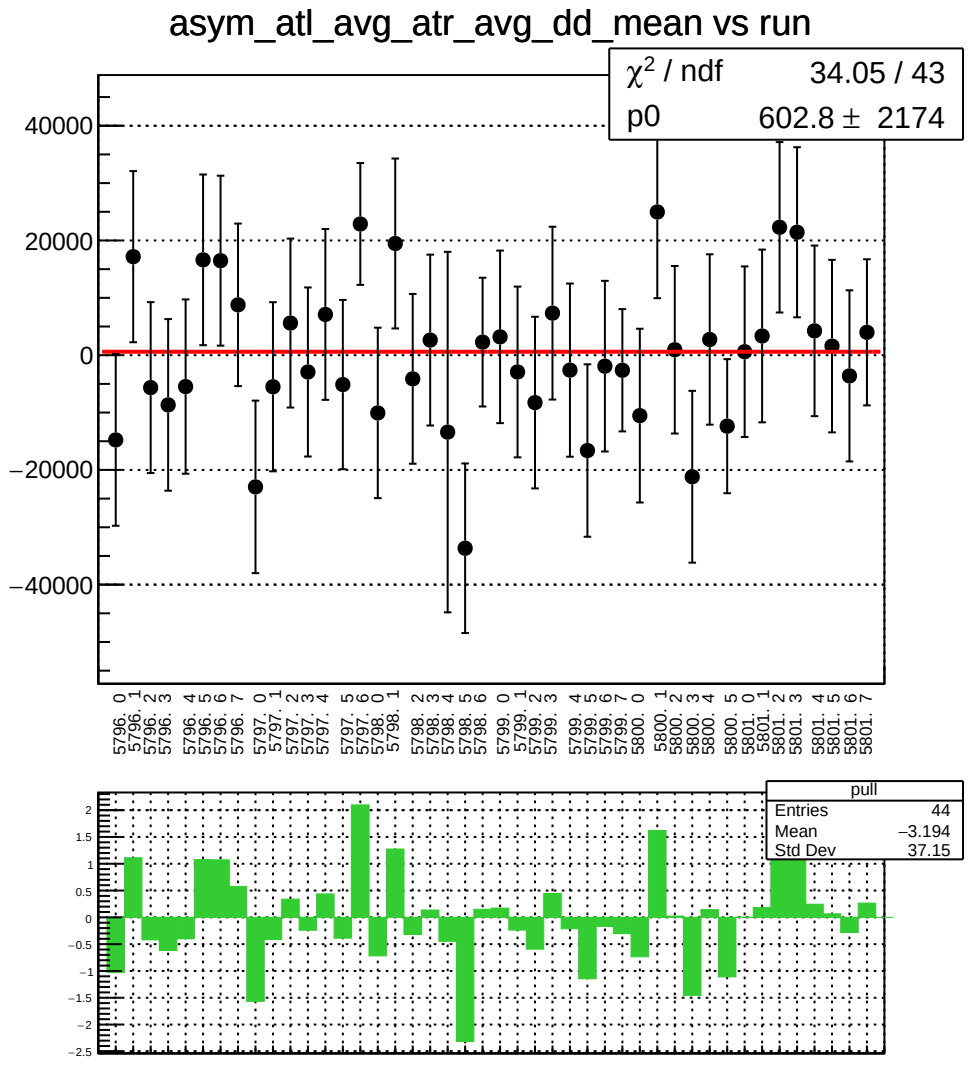

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 38.55 / 43
p0 655.4 ± 2096
40000
20000
0
−20000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −2.35
Std Dev 39.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

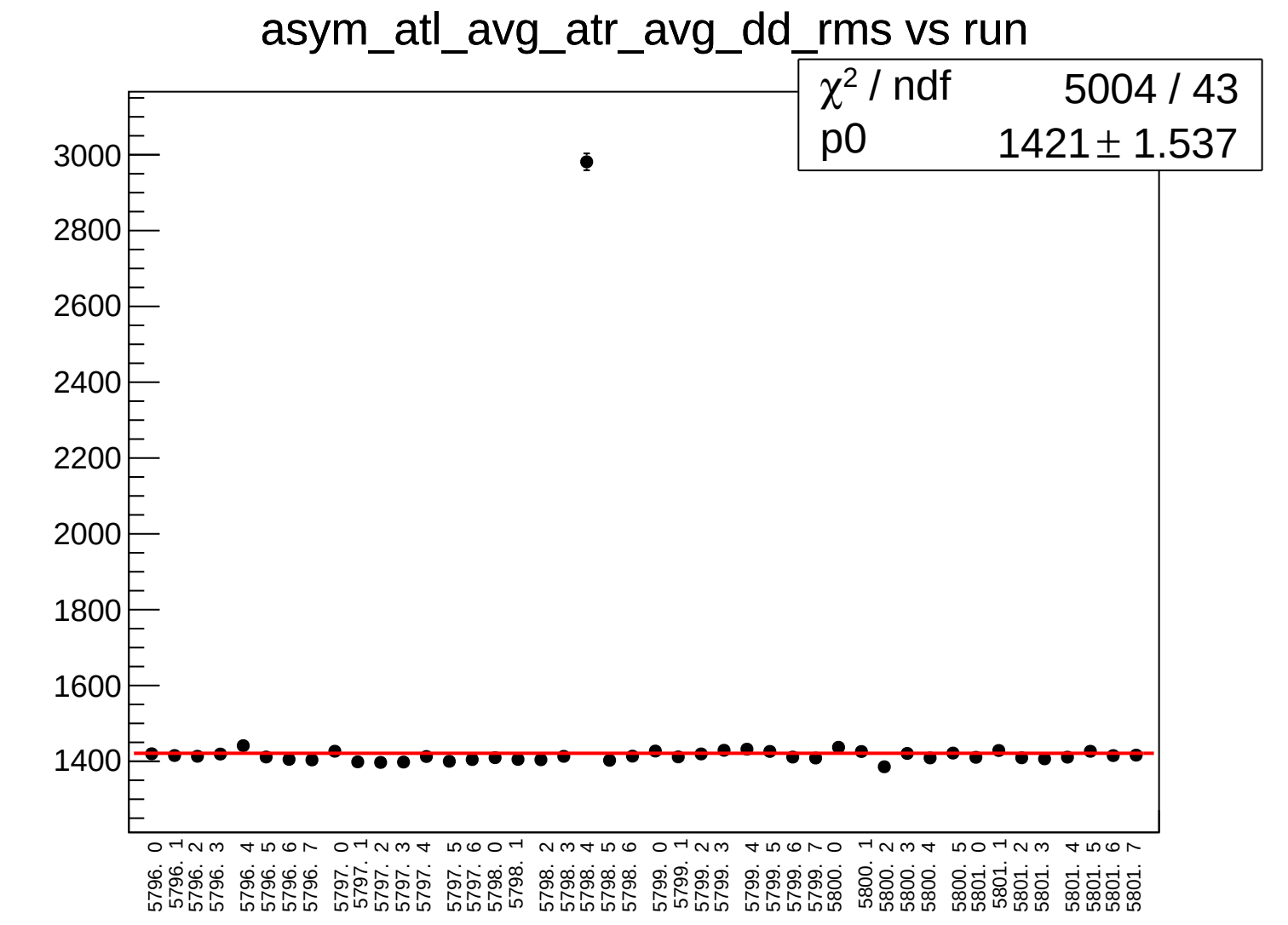

pull1D
Entries 44
Mean −0.01872
Std Dev 0.9358
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

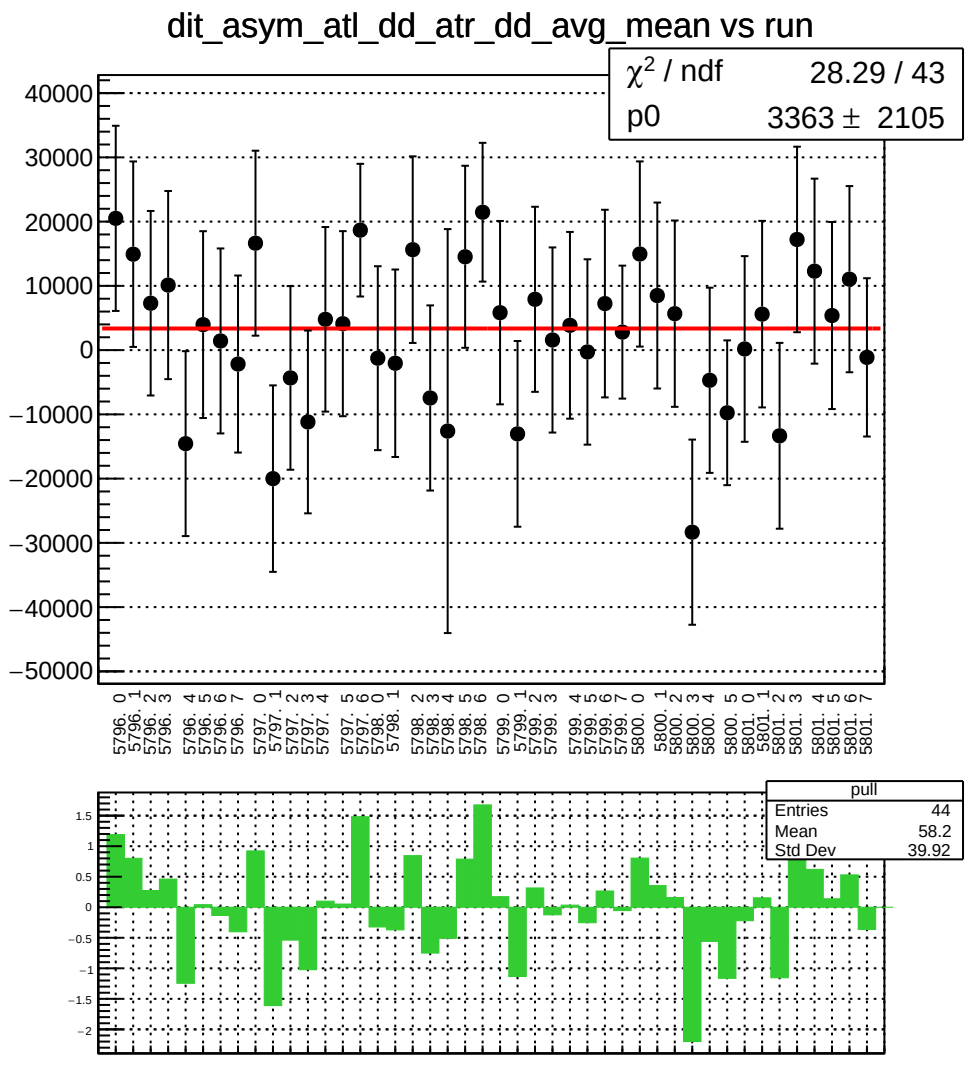

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5248 / 43
p0 1370 ± 1.482
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

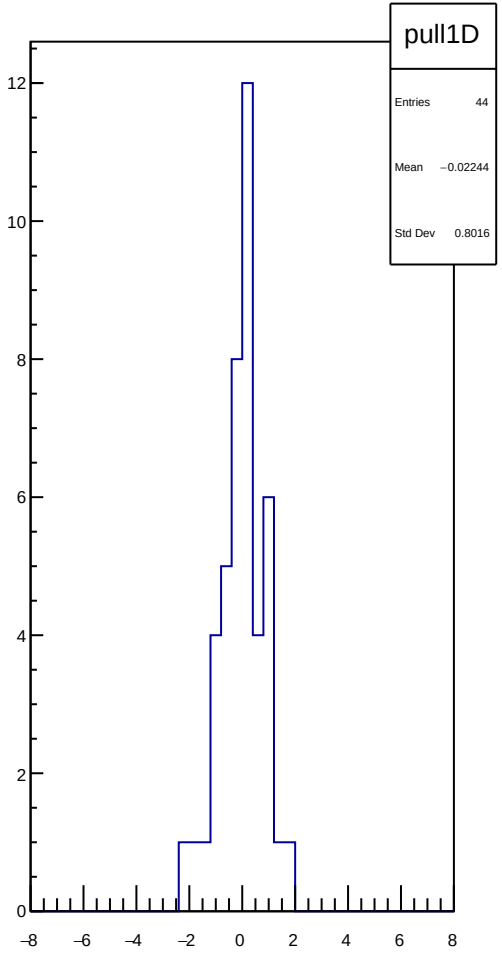

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 31.42 / 43
p0 10.84 ± 559.9
10000
5000
0
−5000
−10000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 17.06
Std Dev 56.83
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean 0.005239
Std Dev 0.8451
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

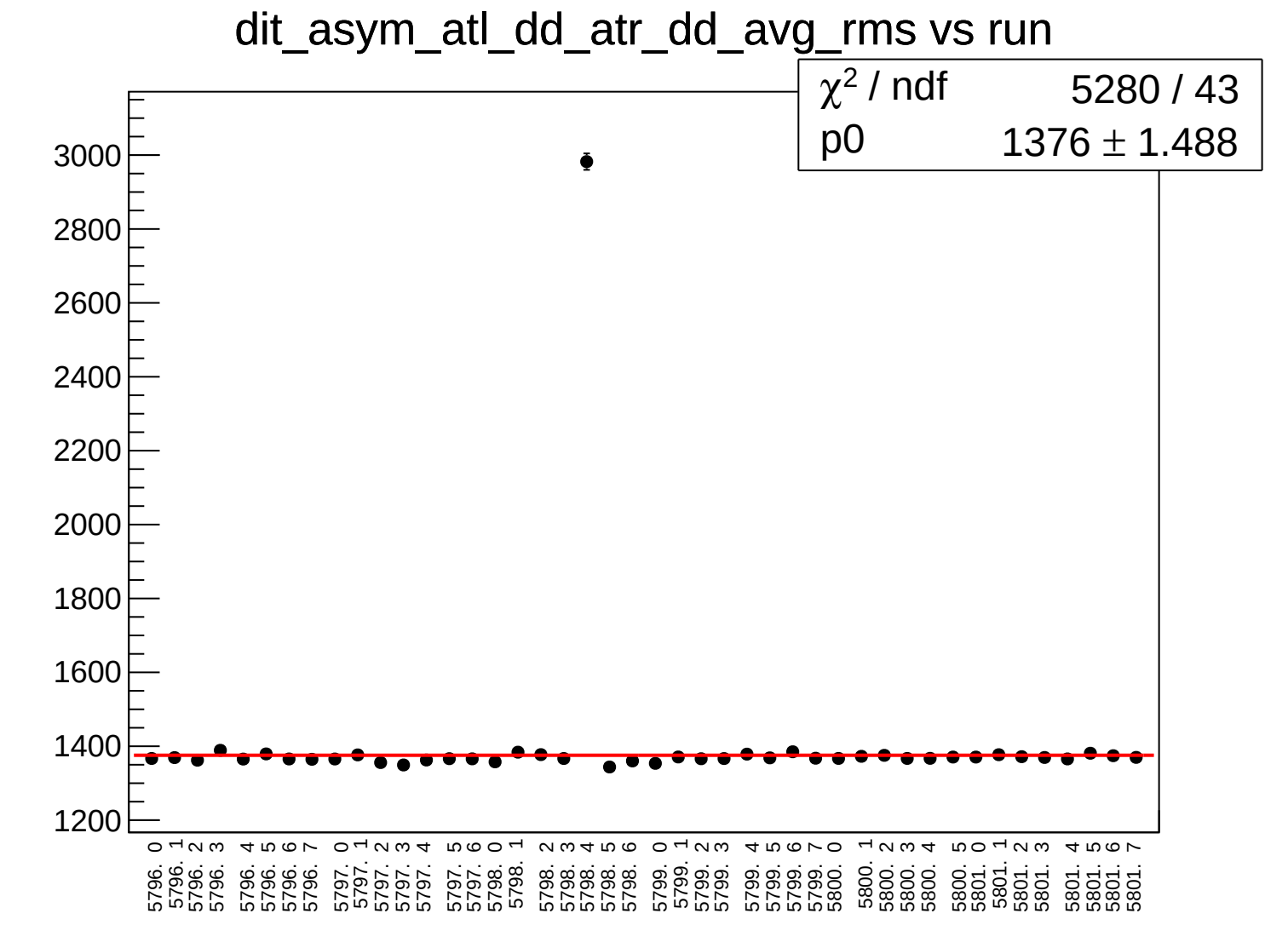

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1188 / 43
p0 366.8 ± 0.3959
410
400
390
380
370
360
350
340
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

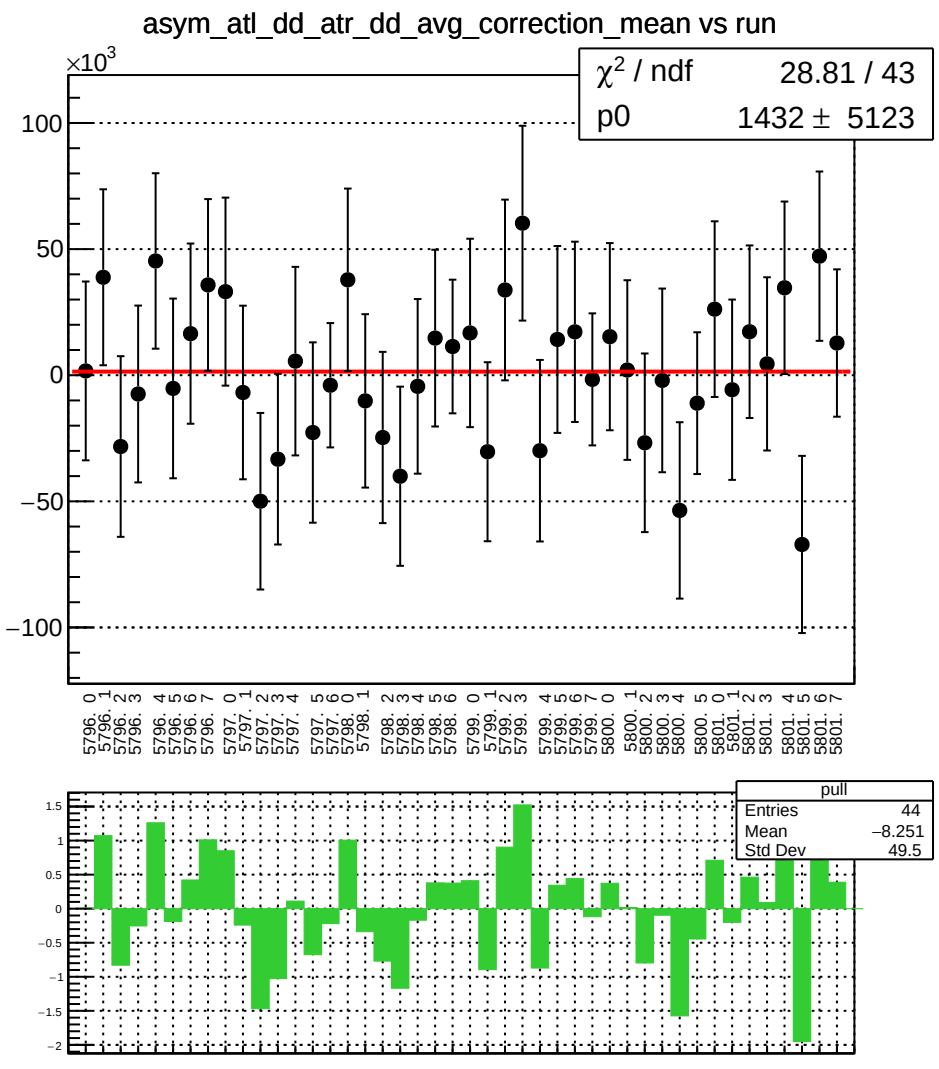

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 34.05 / 43
p0 602.8 ± 2174
40000
20000
0
−20000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −3.194
Std Dev 37.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 44
Mean −0.01857
Std Dev 0.8795
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

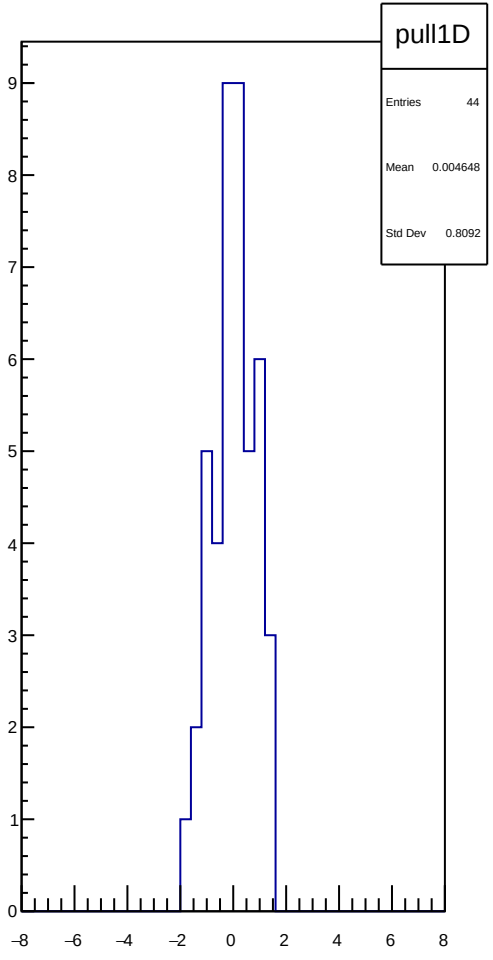

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5004 / 43
p0 1421 ± 1.537
3000
2800
2600
2400
2200
2000
1800
1600
1400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

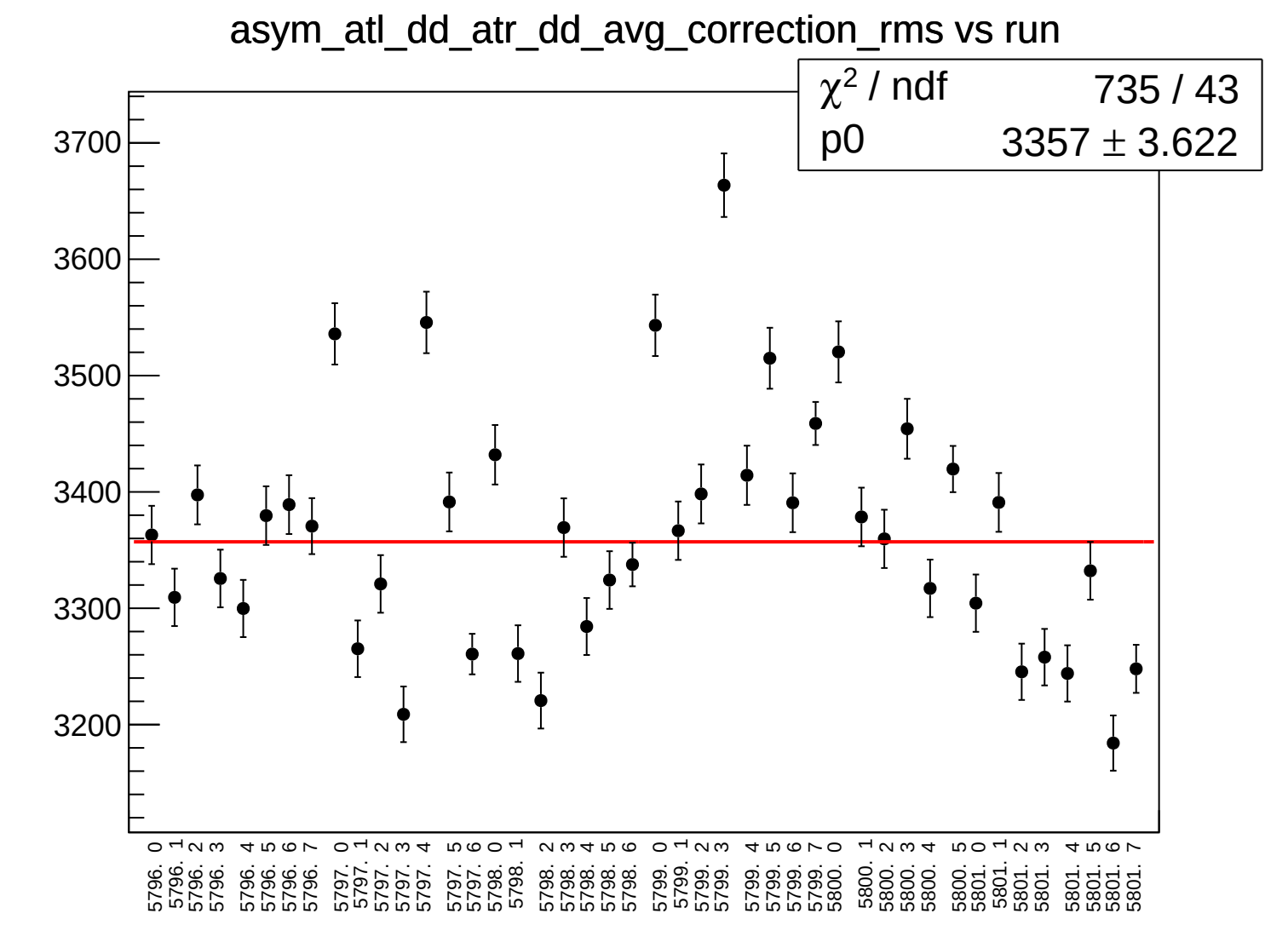

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 28.29 / 43
p0 3363 ± 2105
pull
Entries 44
Mean 58.2
Std Dev 39.92

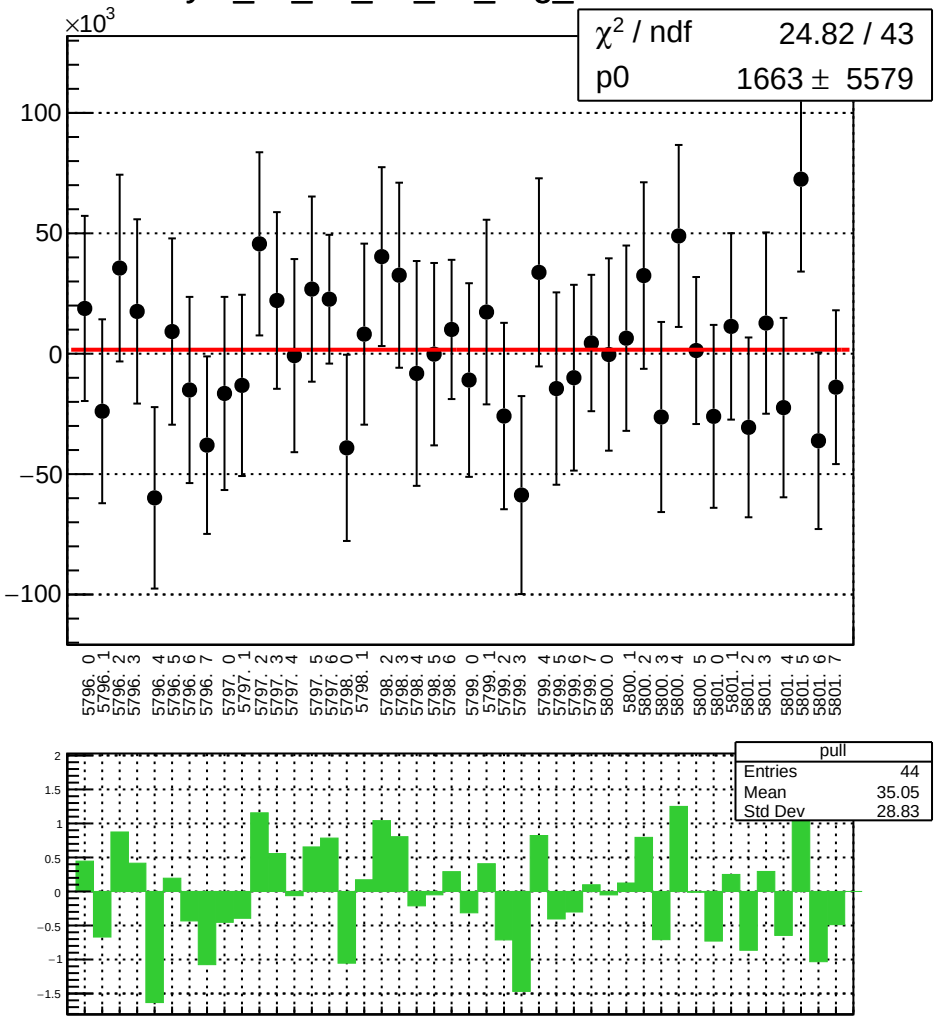

pull1D
Entries 44
Mean −0.02244
Std Dev 0.8016

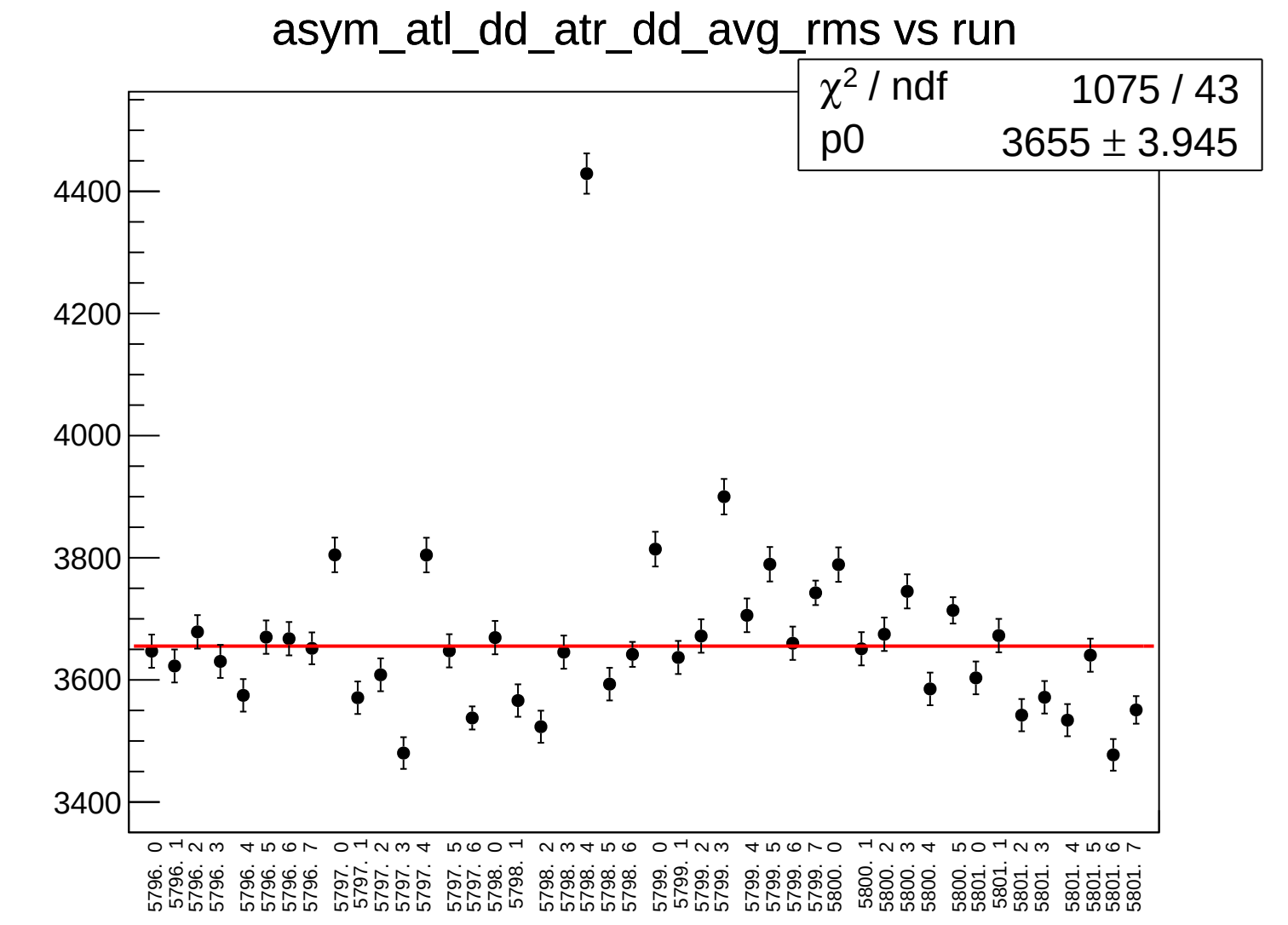

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5280 / 43
p0 1376 ± 1.488
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

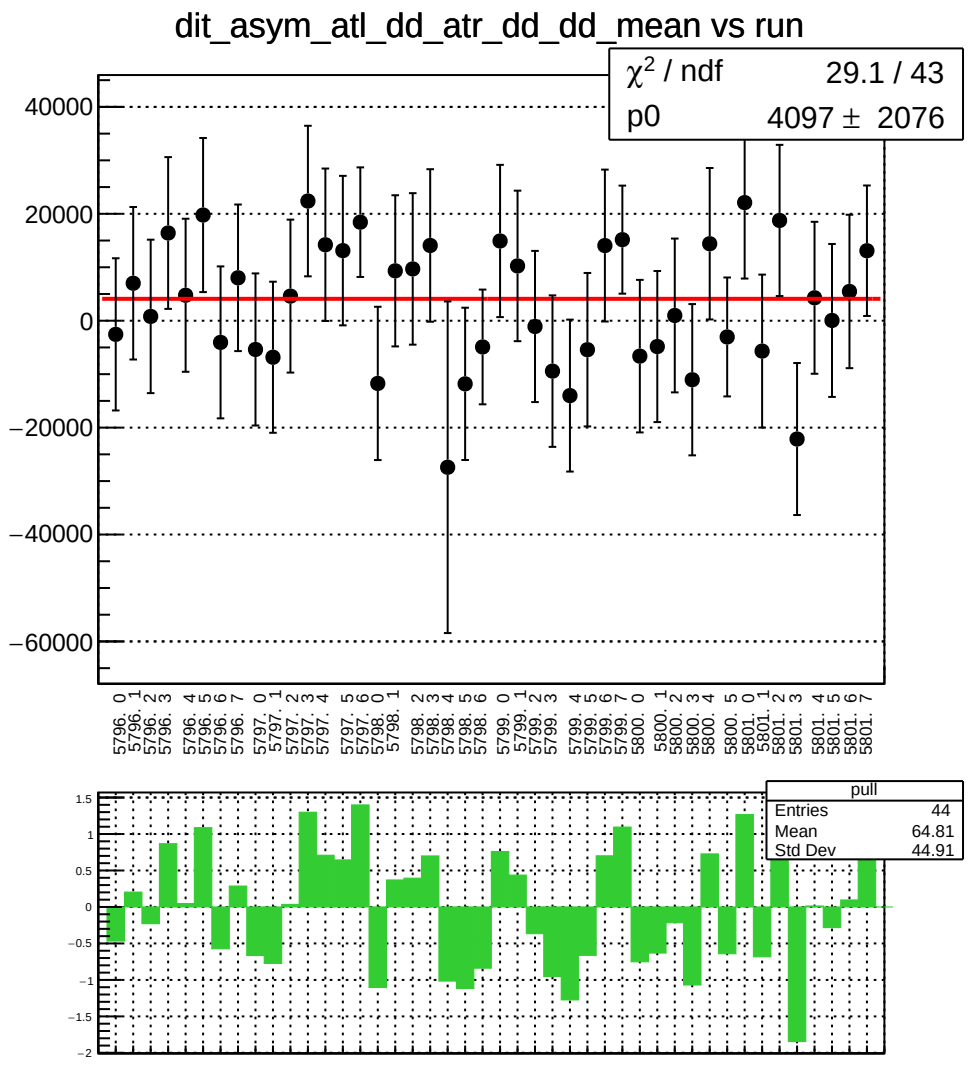

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 28.81 / 43
p0 1432 ± 5123
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −8.251
Std Dev 49.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

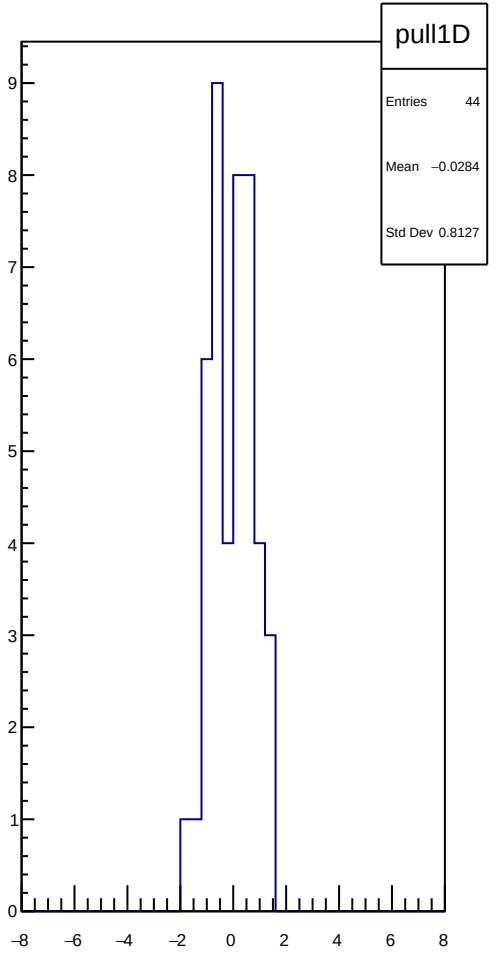

pull1D
Entries 44
Mean 0.004648
Std Dev 0.8092
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

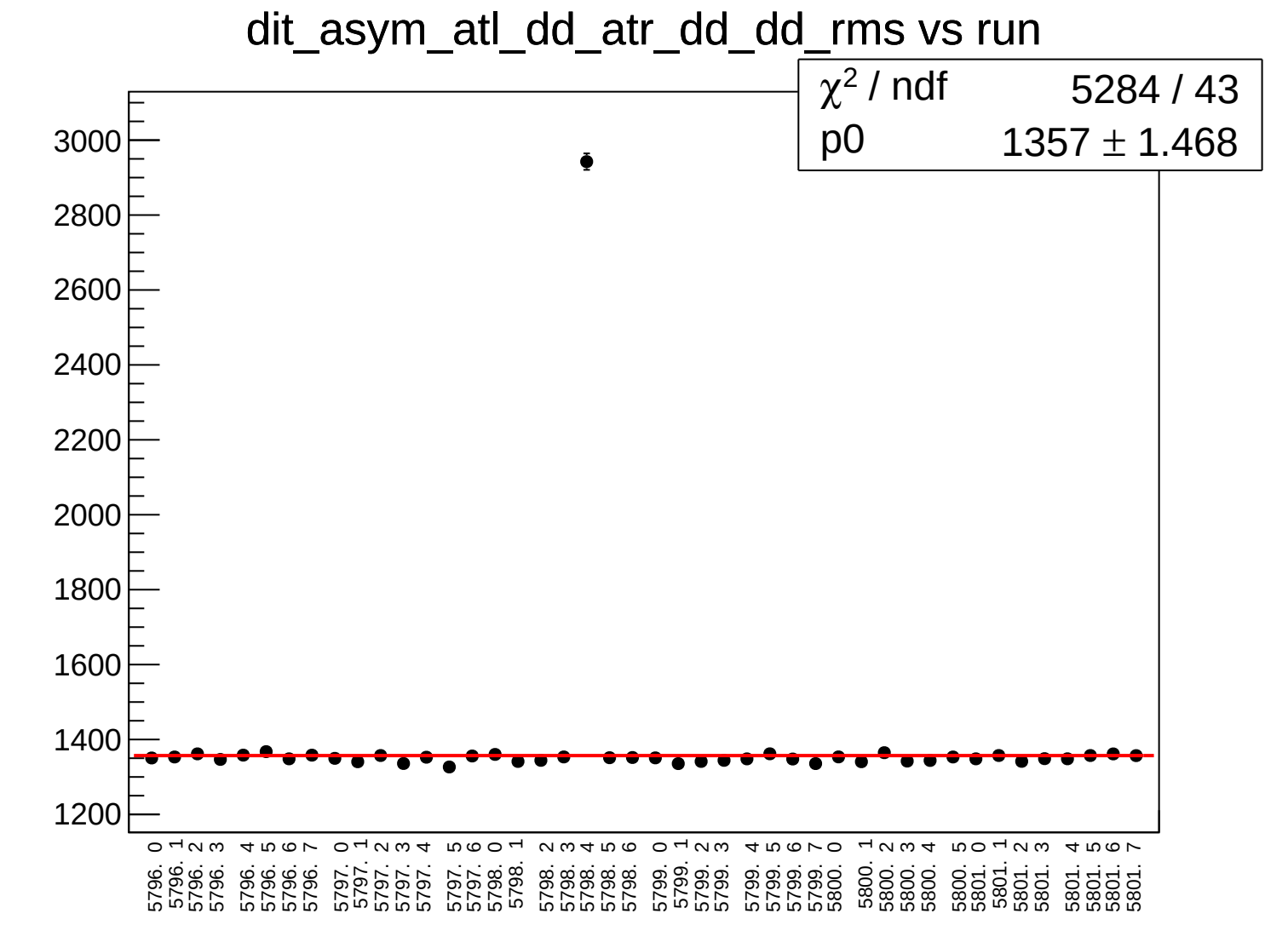

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 735 / 43
p0 3357 ± 3.622
3700
3600
3500
3400
3300
3200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

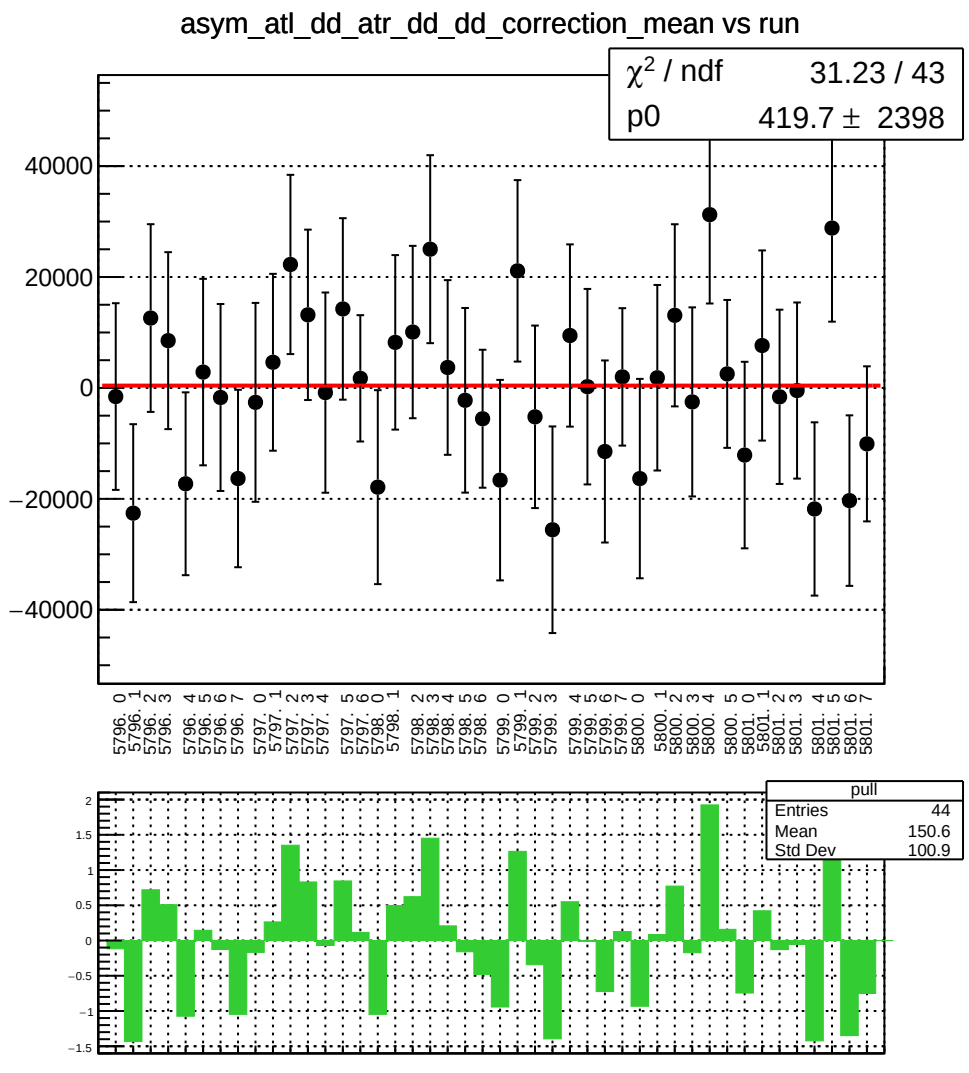

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 24.82 / 43
p0 1663 ± 5579
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 35.05
Std Dev 28.83
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.01082
Std Dev 0.751
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

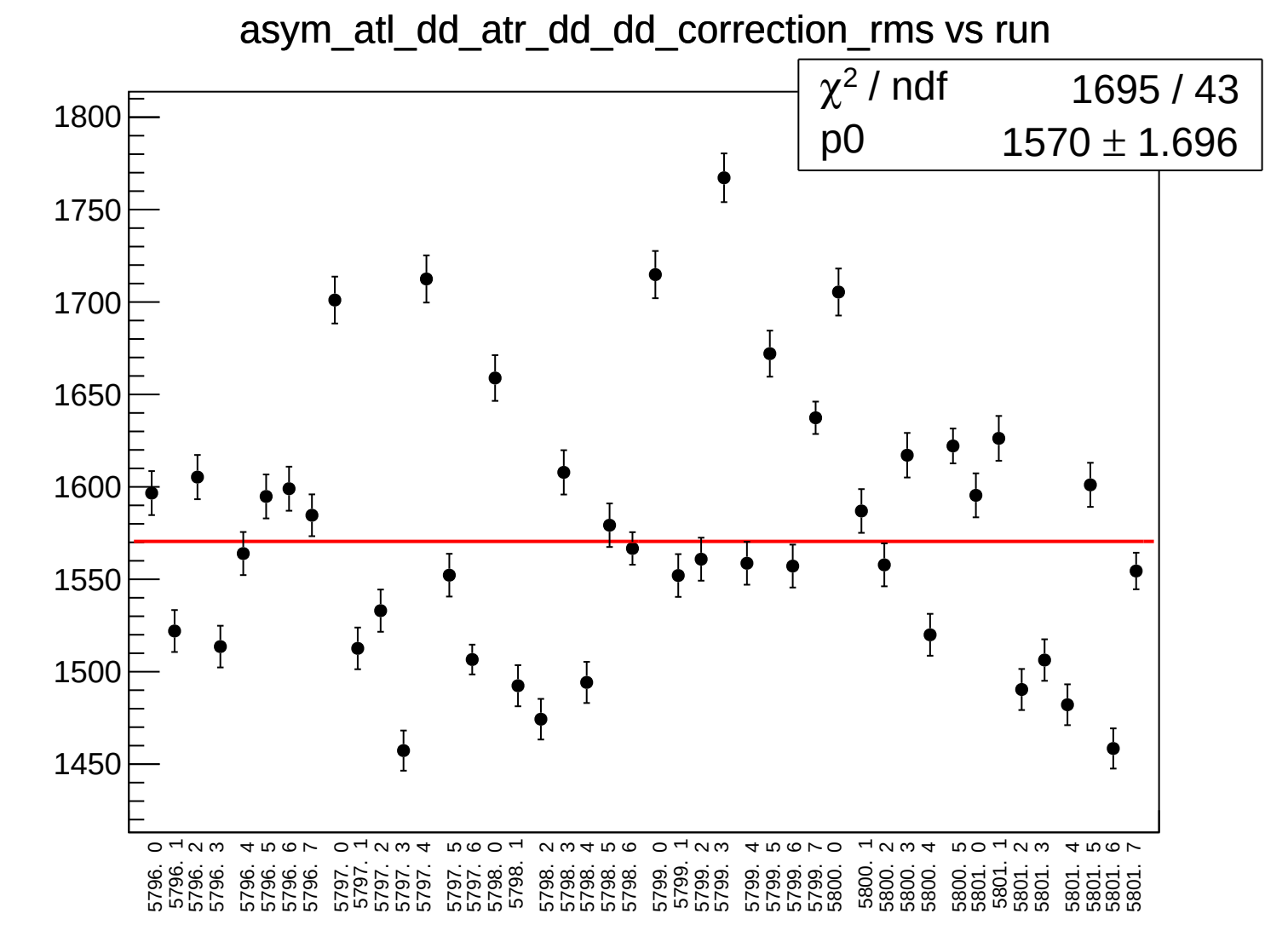

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1075 / 43
p0 3655 ± 3.945
4400
4200
4000
3800
3600
3400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

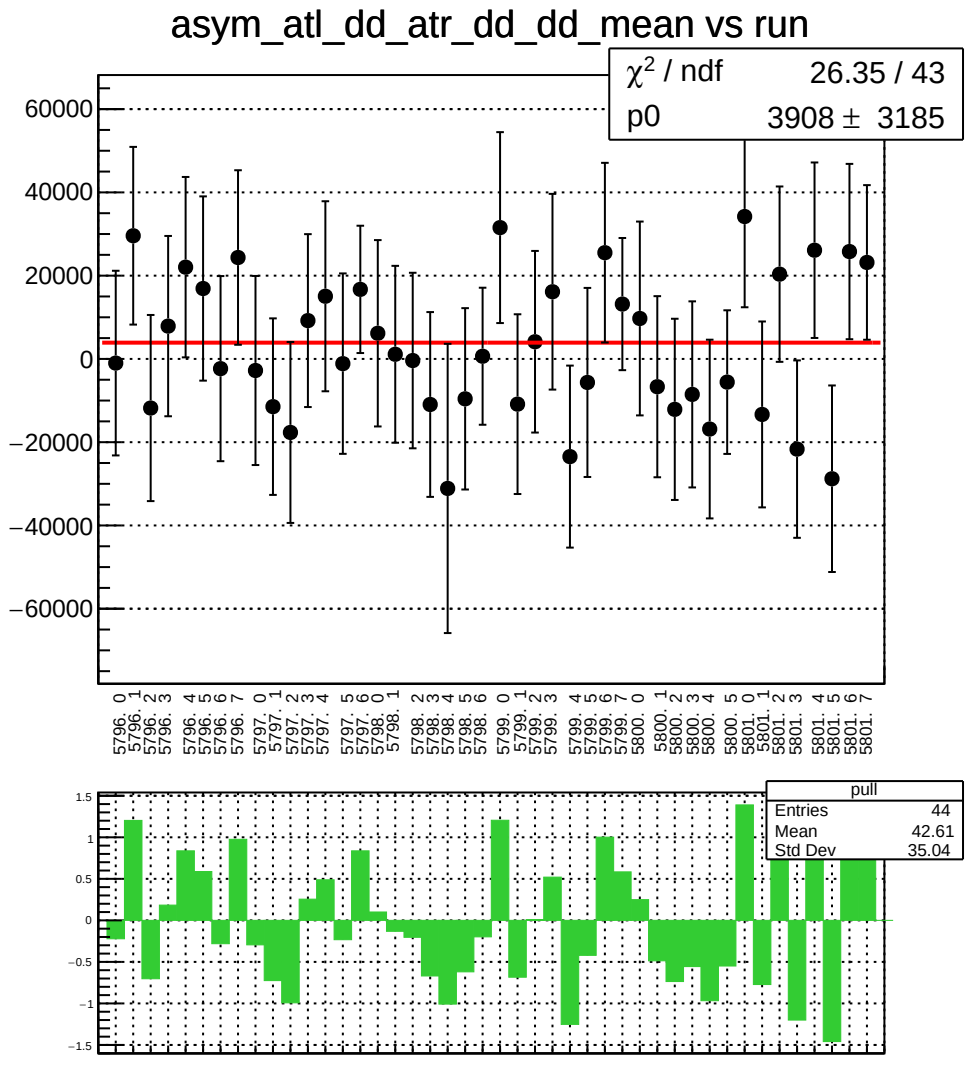

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 29.1 / 43
p0 4097 ± 2076
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 64.81
Std Dev 44.91
1.5
1
0.5
0
−0.5
−1
−1.5
−2

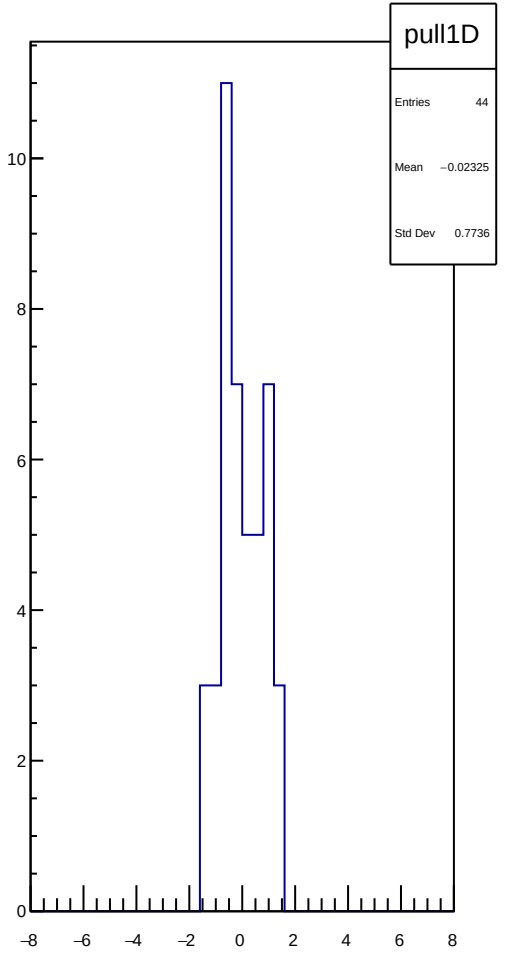

pull1D
Entries 44
Mean −0.0284
Std Dev 0.8127
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

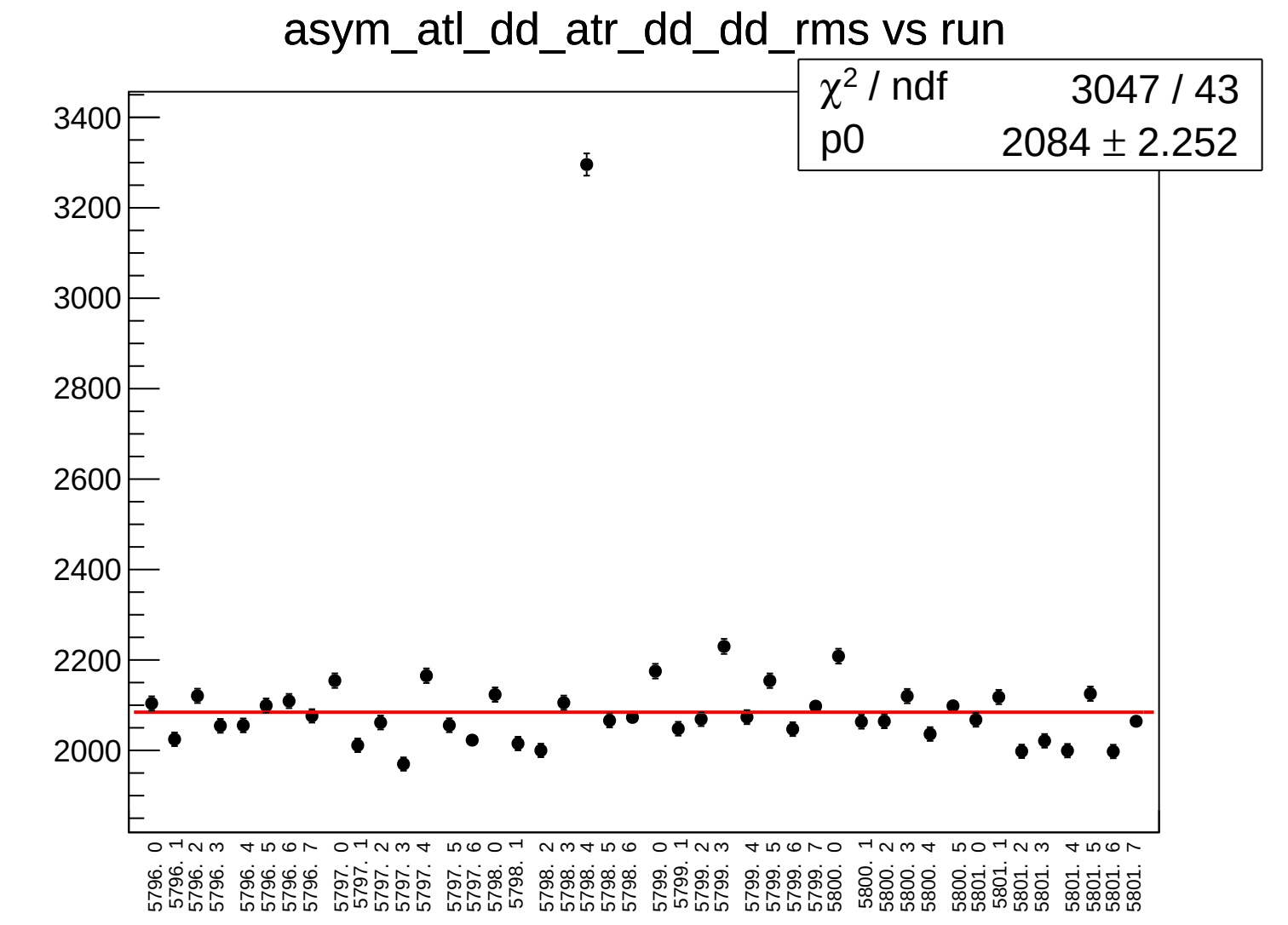

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5284 / 43
p0 1357 ± 1.468
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

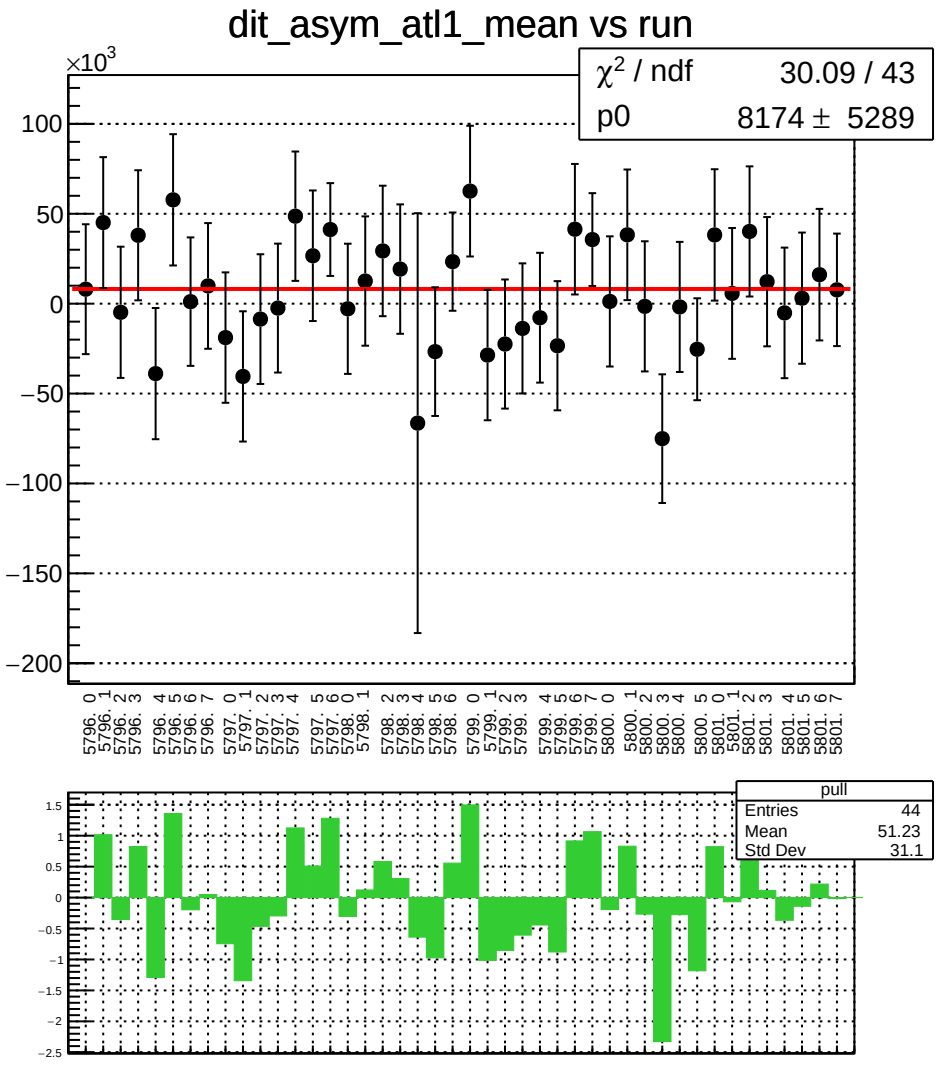

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 31.23 / 43
p0 419.7 ± 2398
40000
20000
0
−20000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 150.6
Std Dev 100.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.00347
Std Dev 0.8425
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

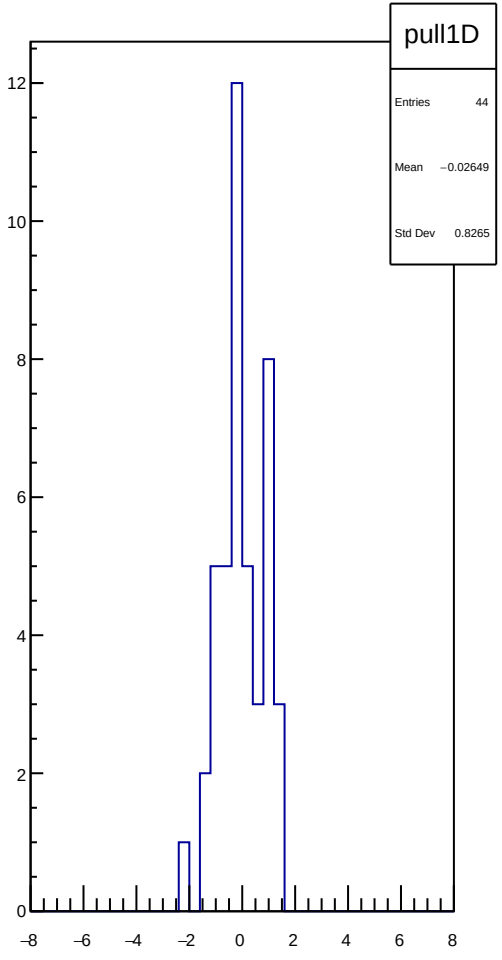

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1695 / 43
p0 1570 ± 1.696
1800
1750
1700
1650
1600
1550
1500
1450
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

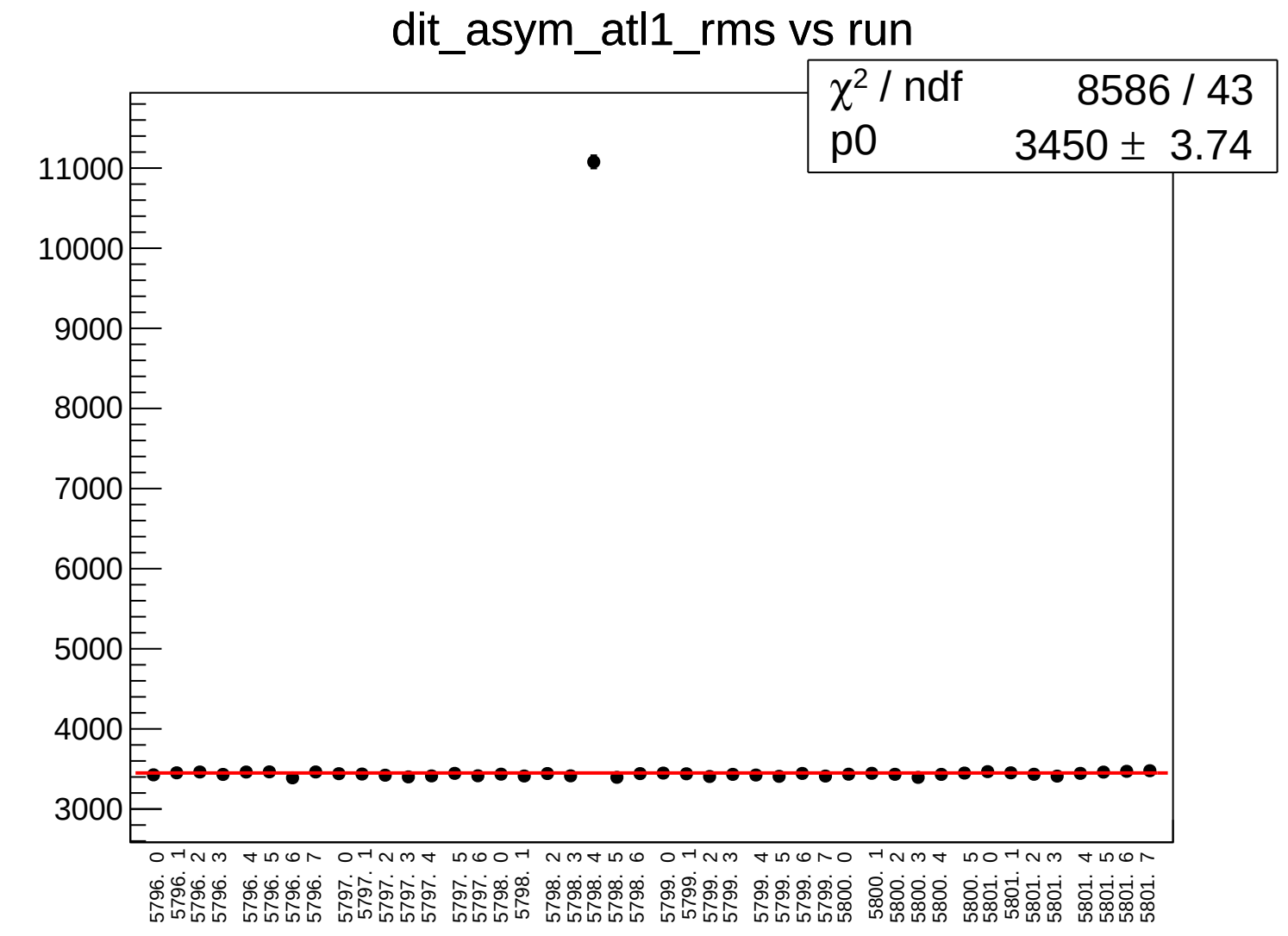

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 26.35 / 43
p0 3908 ± 3185
60000
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 42.61
Std Dev 35.04
1.5
1
0.5
0
−0.5
−1
−1.5

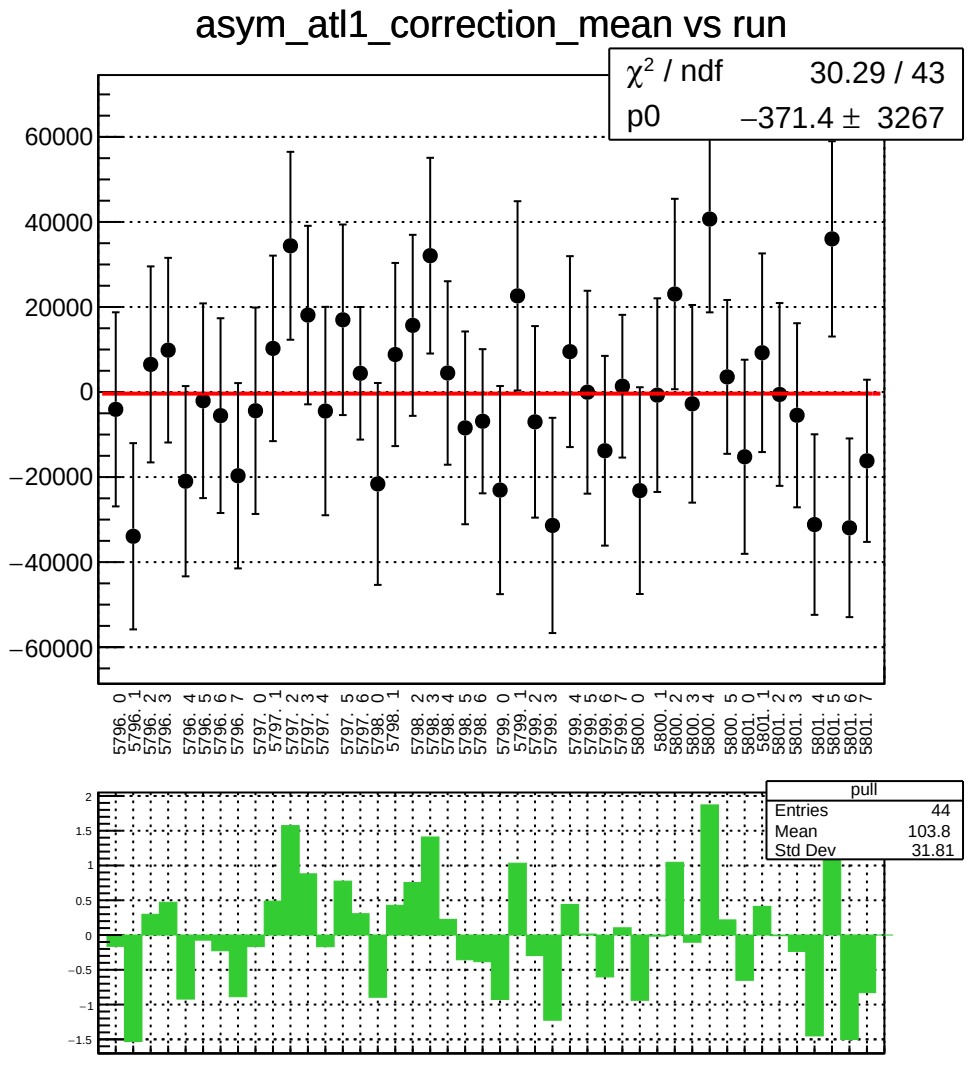

pull1D
Entries 44
Mean −0.02325
Std Dev 0.7736
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

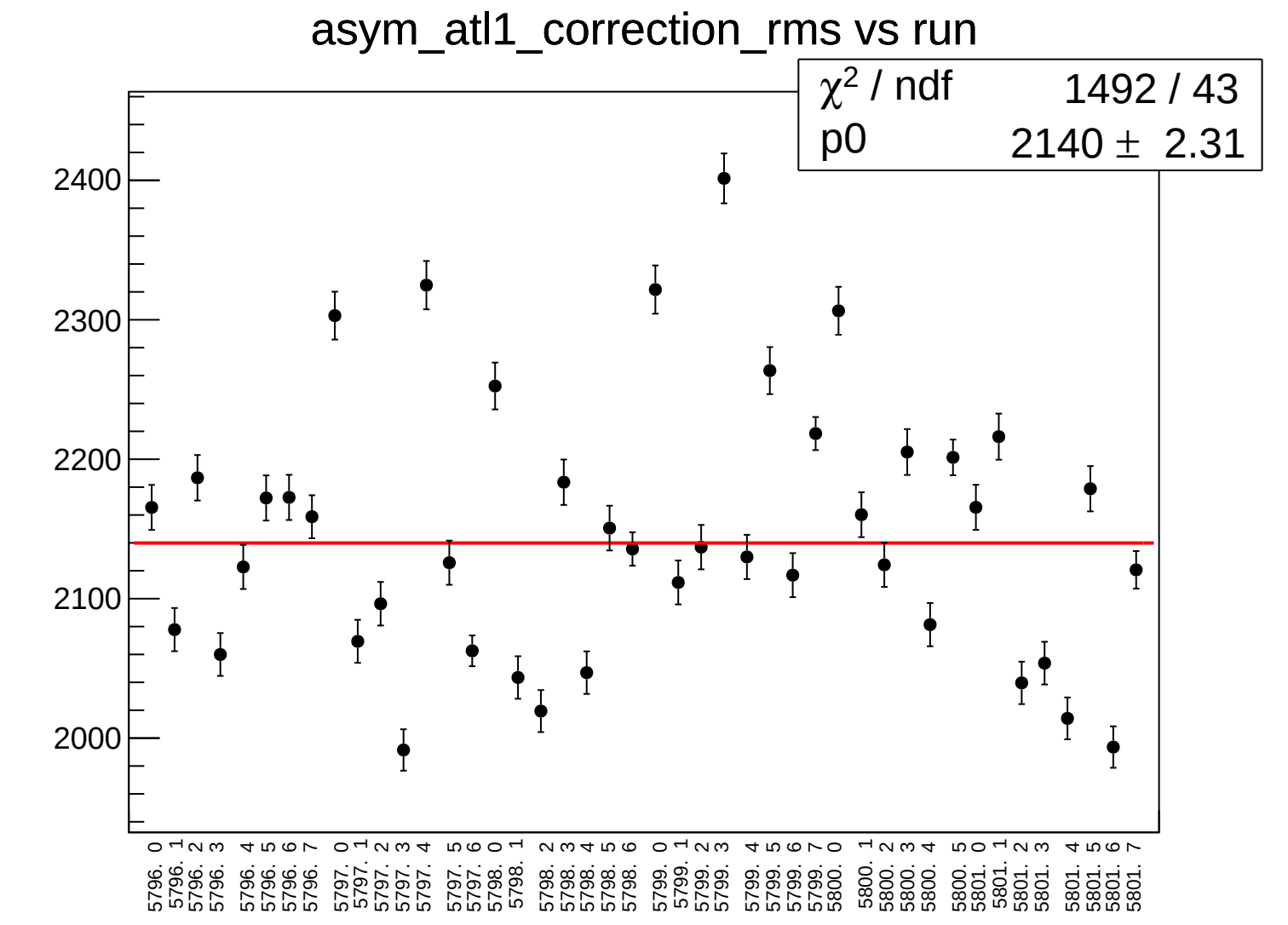

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3047 / 43
p0 2084 ± 2.252
3400
3200
3000
2800
2600
2400
2200
2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

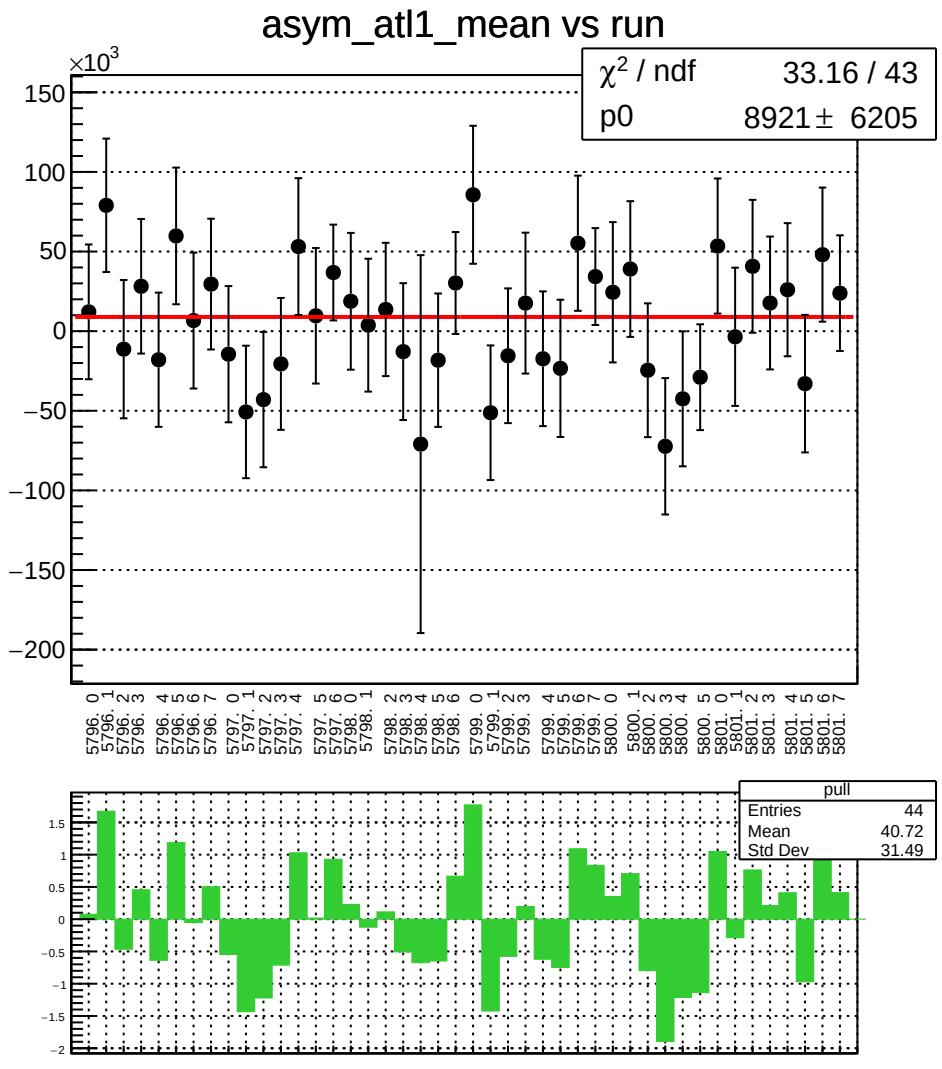

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 30.09 / 43
p0 8174 ± 5289
100
50
0
−50
−100
−150
−200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 51.23
Std Dev 31.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

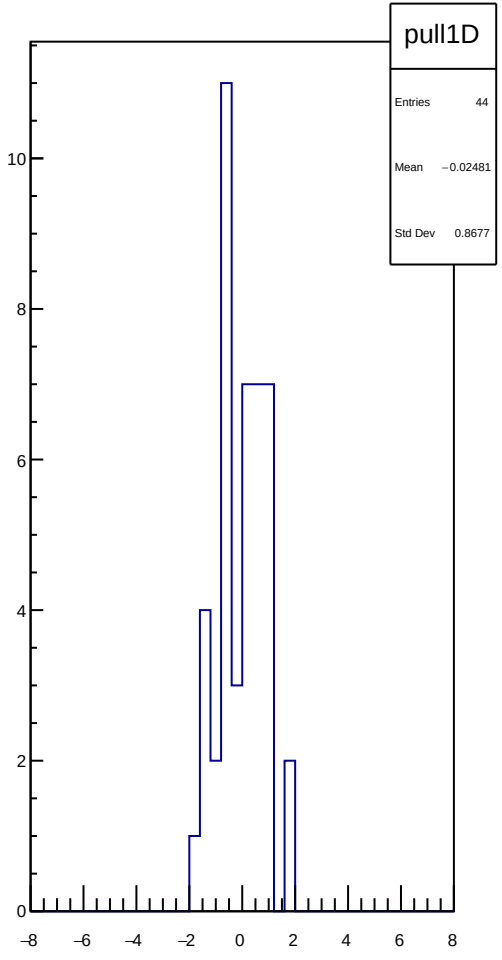

pull1D
Entries 44
Mean −0.02649
Std Dev 0.8265
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

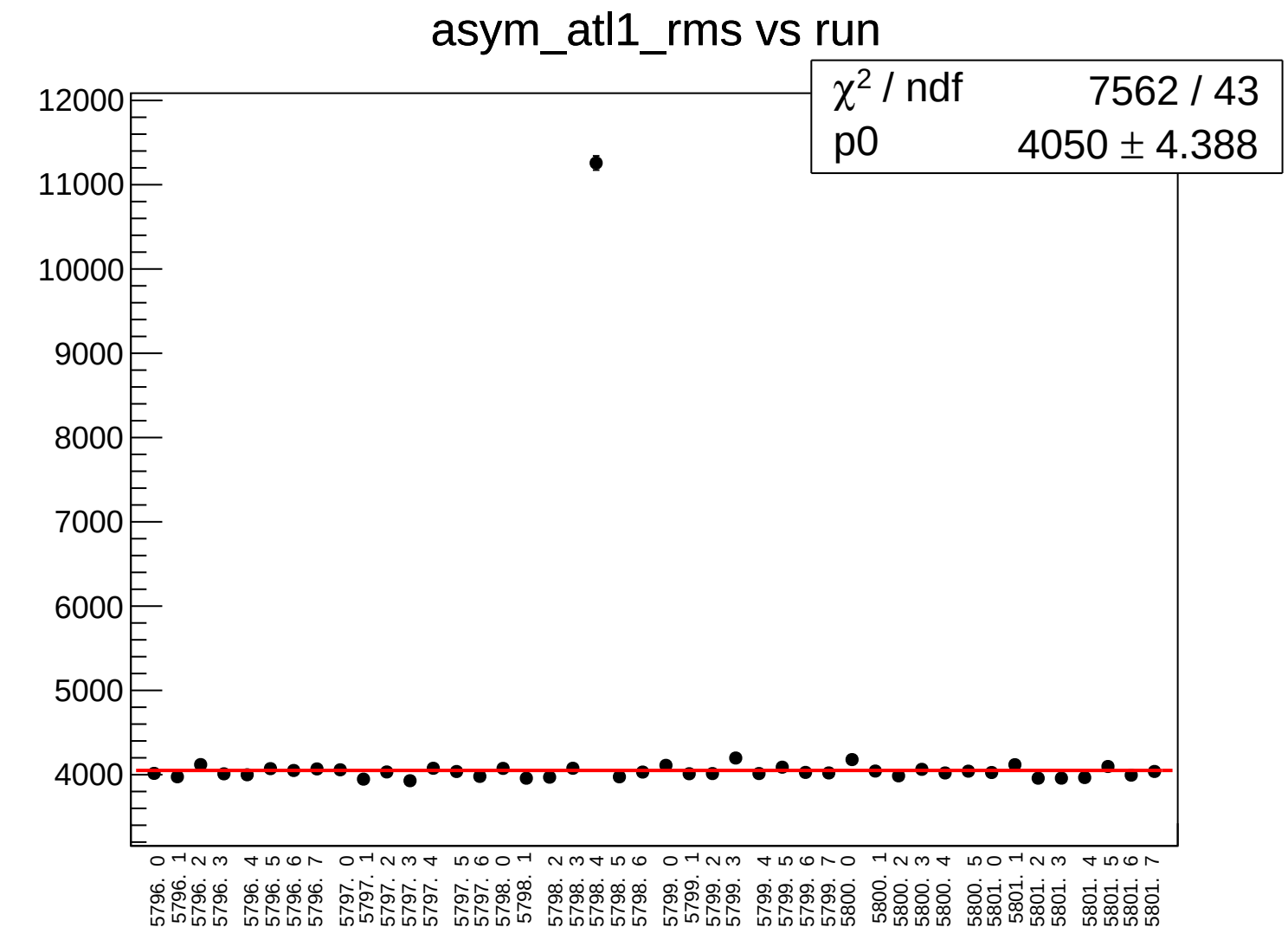

dit_asym_atl1_rms vs run
χ² / ndf 8586 / 43
p0 3450 ± 3.74
11000
10000
9000
8000
7000
6000
5000
4000
3000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

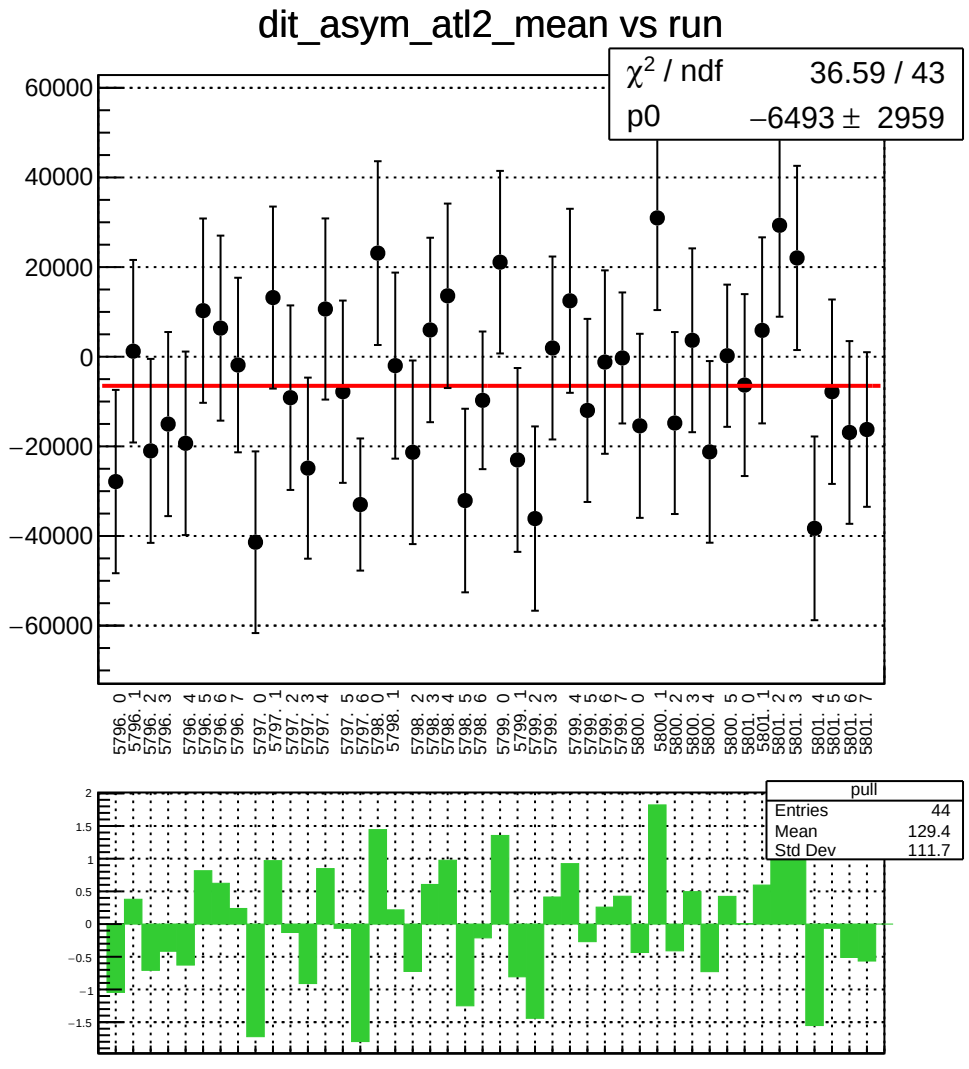

asym_atl1_correction_mean vs run
χ² / ndf 30.29 / 43
p0 −371.4 ± 3267
60000
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 103.8
Std Dev 31.81
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.005011
Std Dev 0.8297
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

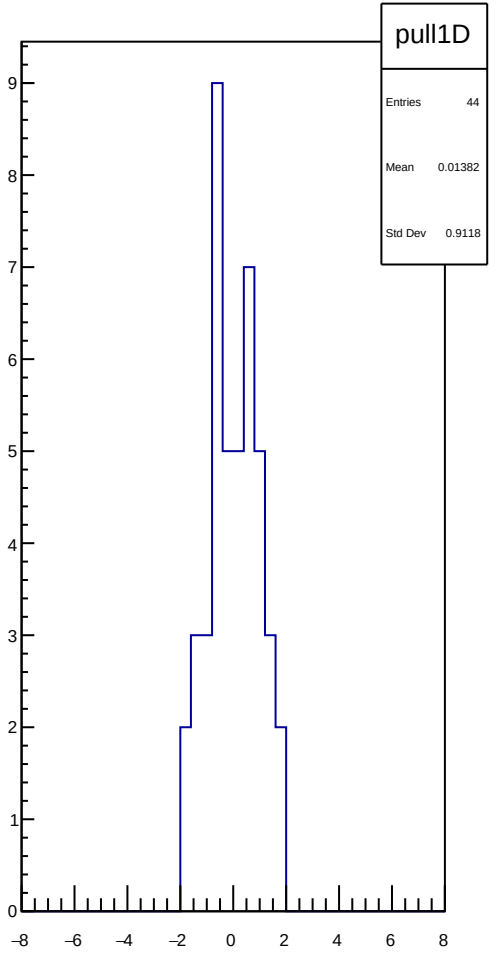

asym_atl1_correction_rms vs run
χ² / ndf 1492 / 43
p0 2140 ± 2.31
2400
2300
2200
2100
2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

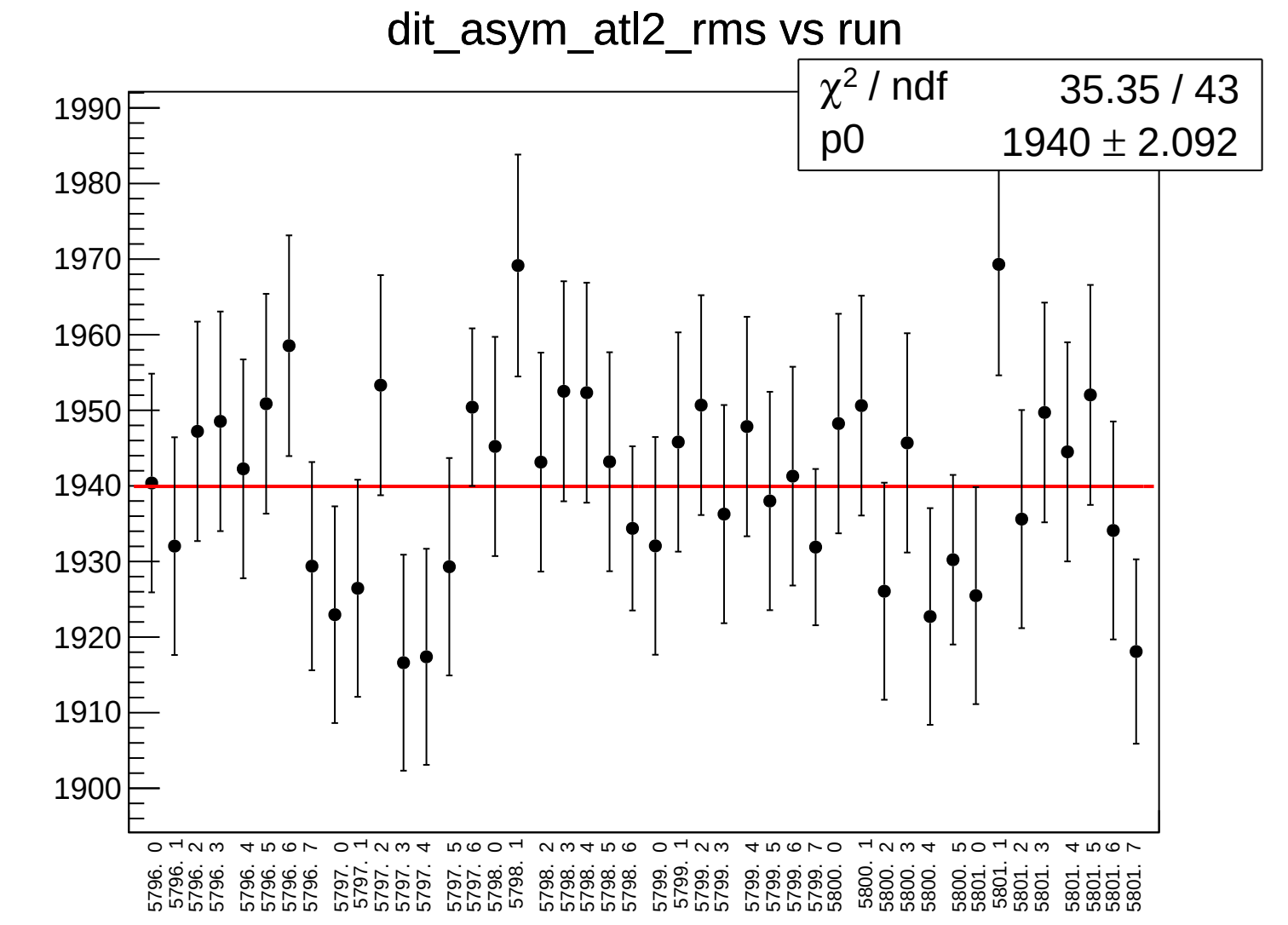

asym_atl1_mean vs run
×10^3
χ^2 / ndf 33.16 / 43
p0 8921 ± 6205
150
100
50
0
−50
−100
−150
−200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 40.72
Std Dev 31.49
1.5
1
0.5
0
−0.5
−1
−1.5
−2

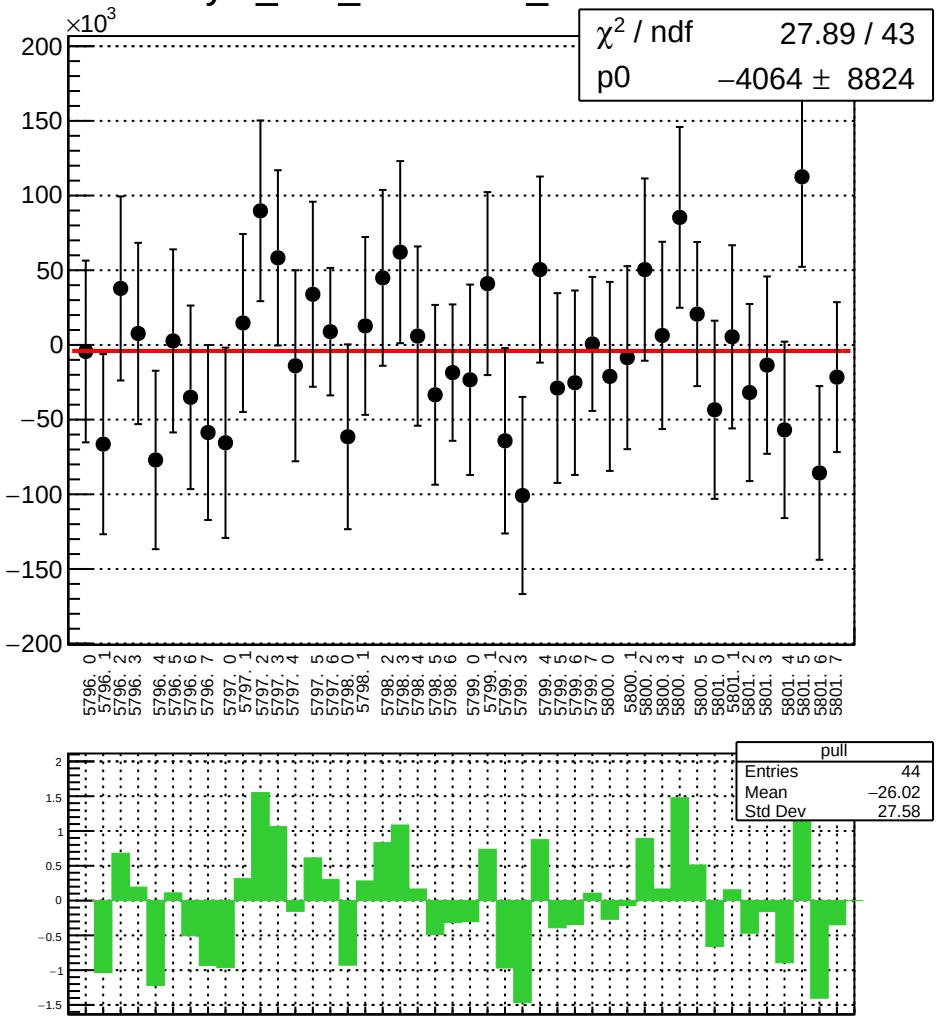

pull1D
Entries 44
Mean −0.02481
Std Dev 0.8677
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

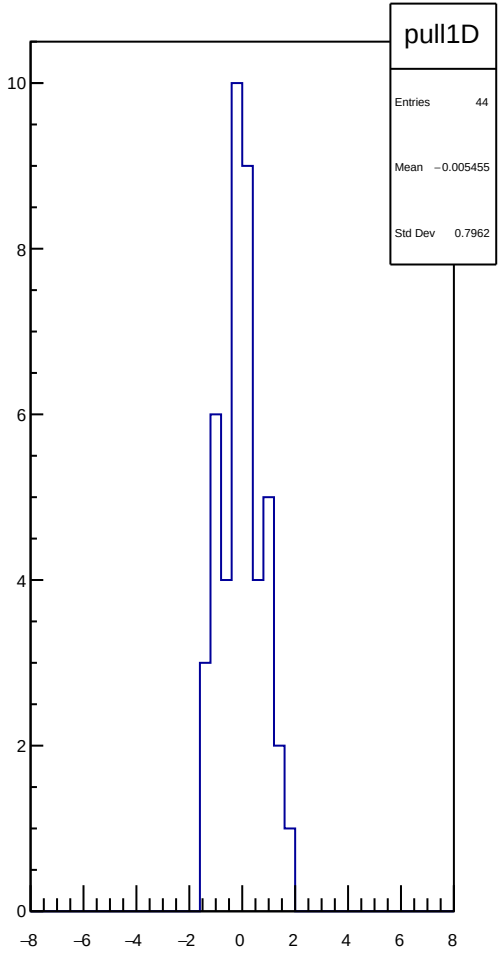

asym_atl1_rms vs run
χ² / ndf 7562 / 43
p0 4050 ± 4.388
12000
11000
10000
9000
8000
7000
6000
5000
4000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

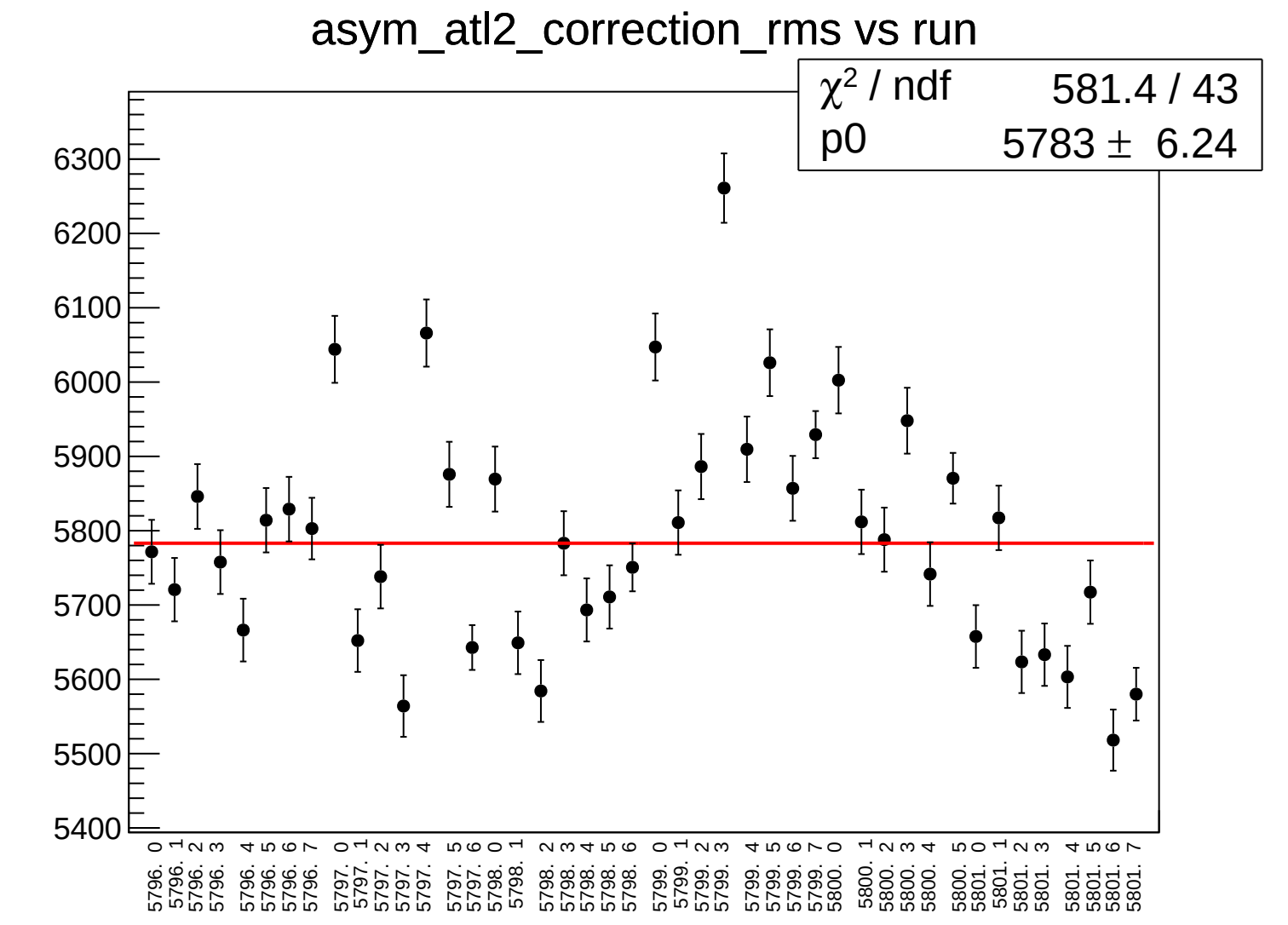

dit_asym_atl2_mean vs run
χ² / ndf 36.59 / 43
p0 −6493 ± 2959
60000
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 129.4
Std Dev 111.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

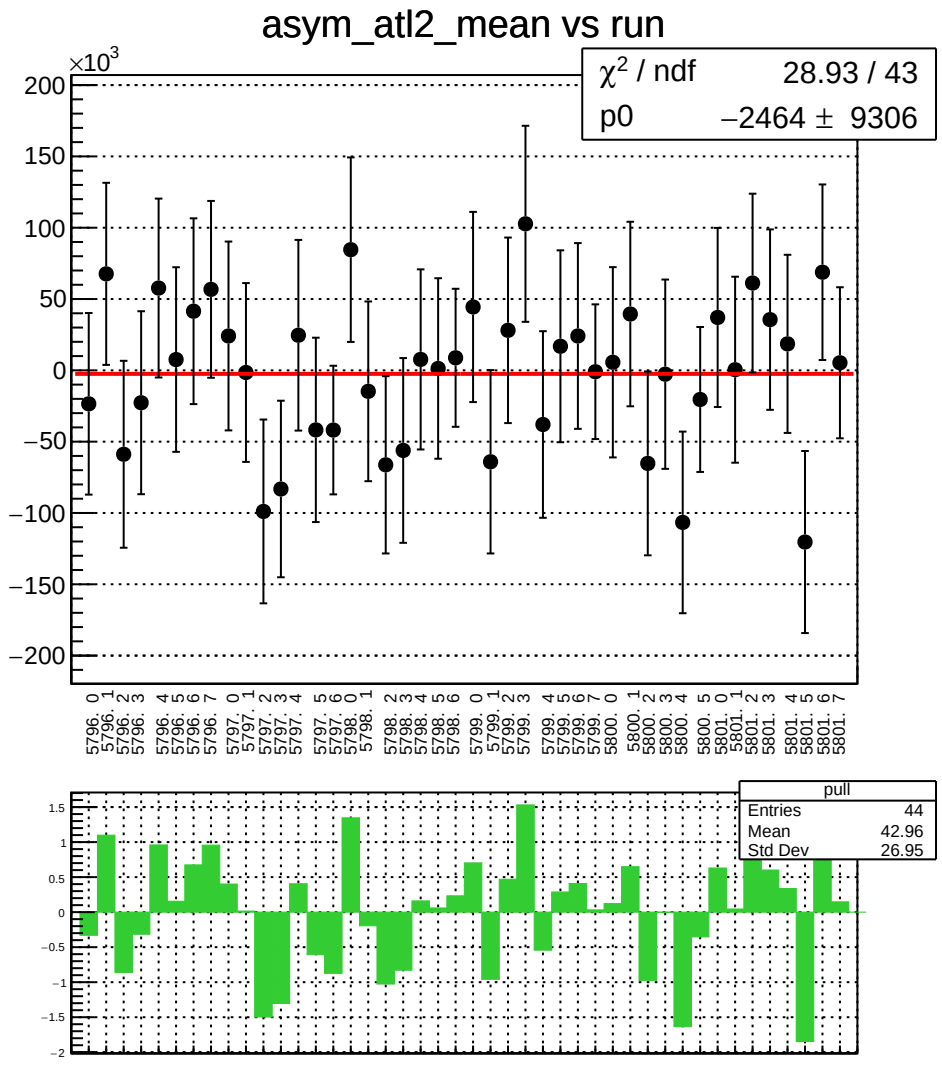

pull1D
Entries 44
Mean 0.01382
Std Dev 0.9118
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

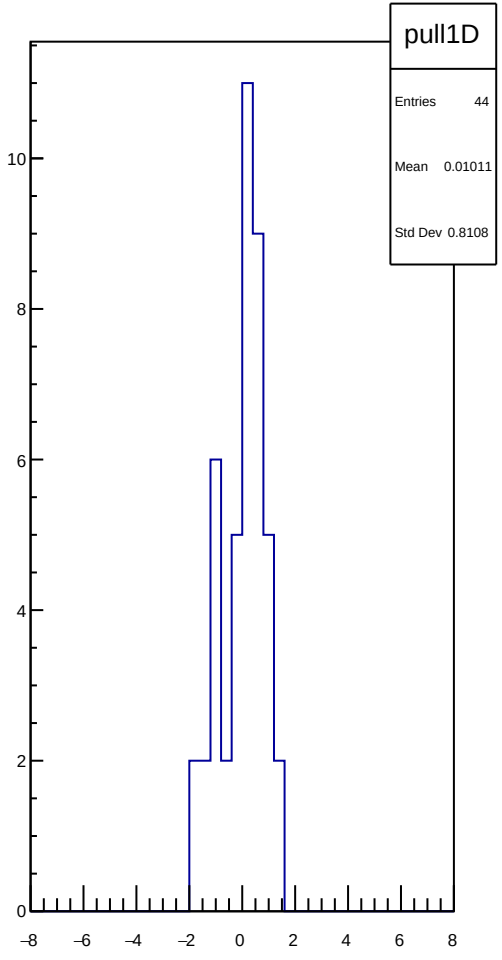

dit_asym_atl2_rms vs run
χ² / ndf 35.35 / 43
p0 1940 ± 2.092
1990
1980
1970
1960
1950
1940
1930
1920
1910
1900
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

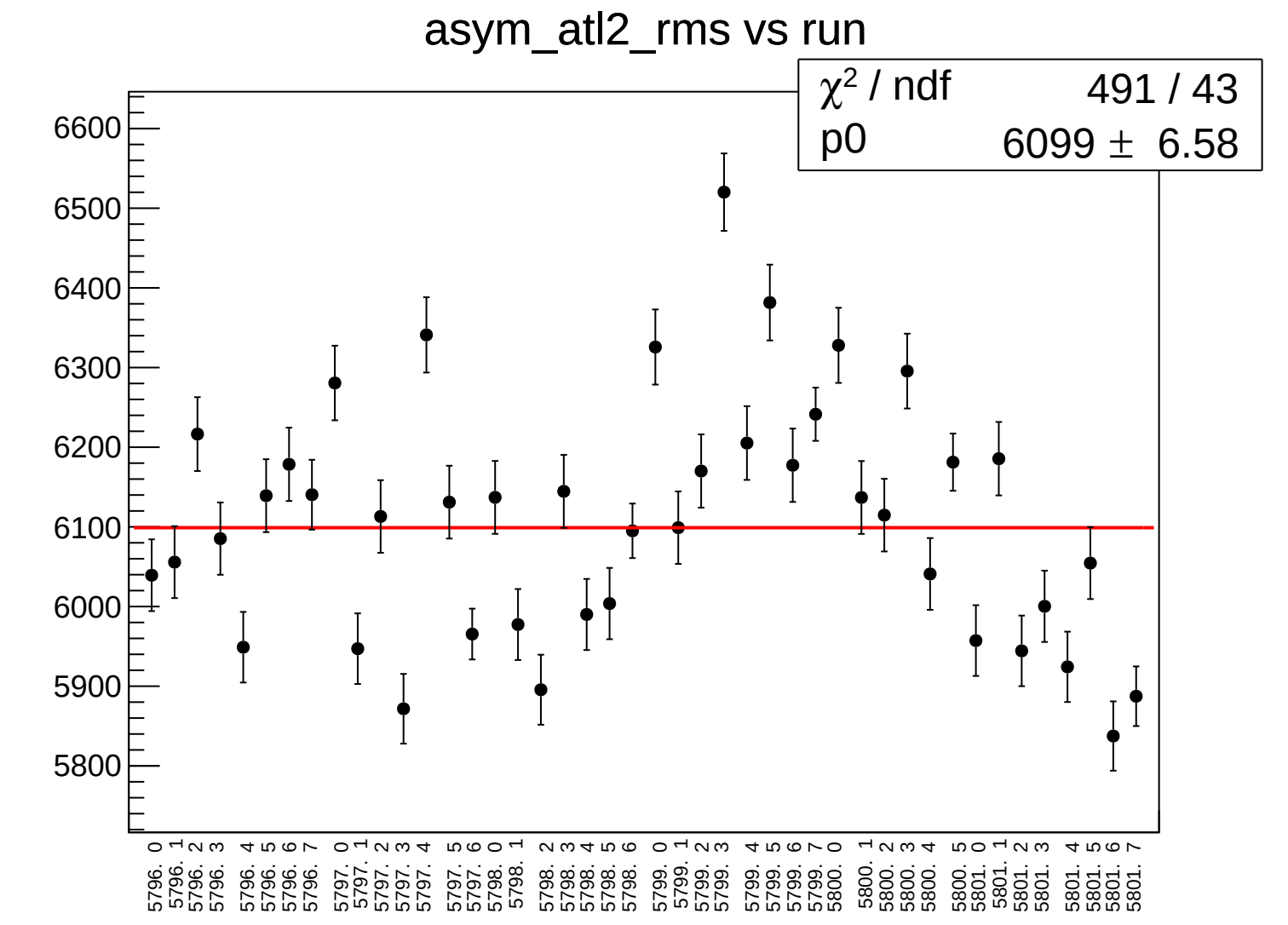

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 27.89 / 43
p0 −4064 ± 8824
pull
Entries 44
Mean −26.02
Std Dev 27.58

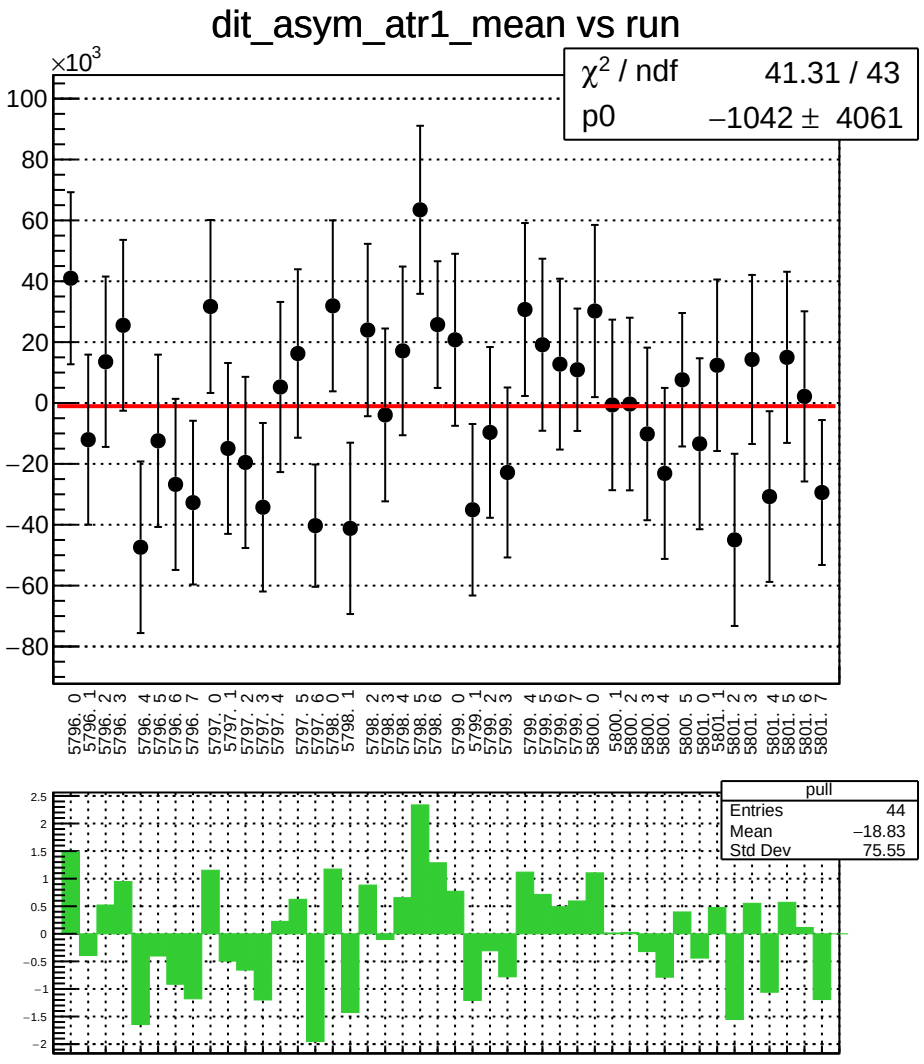

pull1D
Entries 44
Mean −0.005455
Std Dev 0.7962

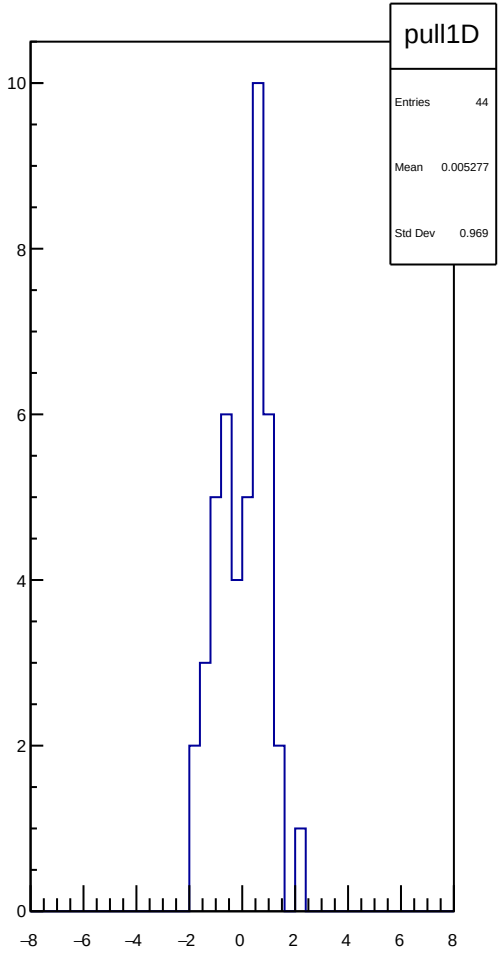

asym_atl2_correction_rms vs run
χ² / ndf 581.4 / 43
p0 5783 ± 6.24
6300
6200
6100
6000
5900
5800
5700
5600
5500
5400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

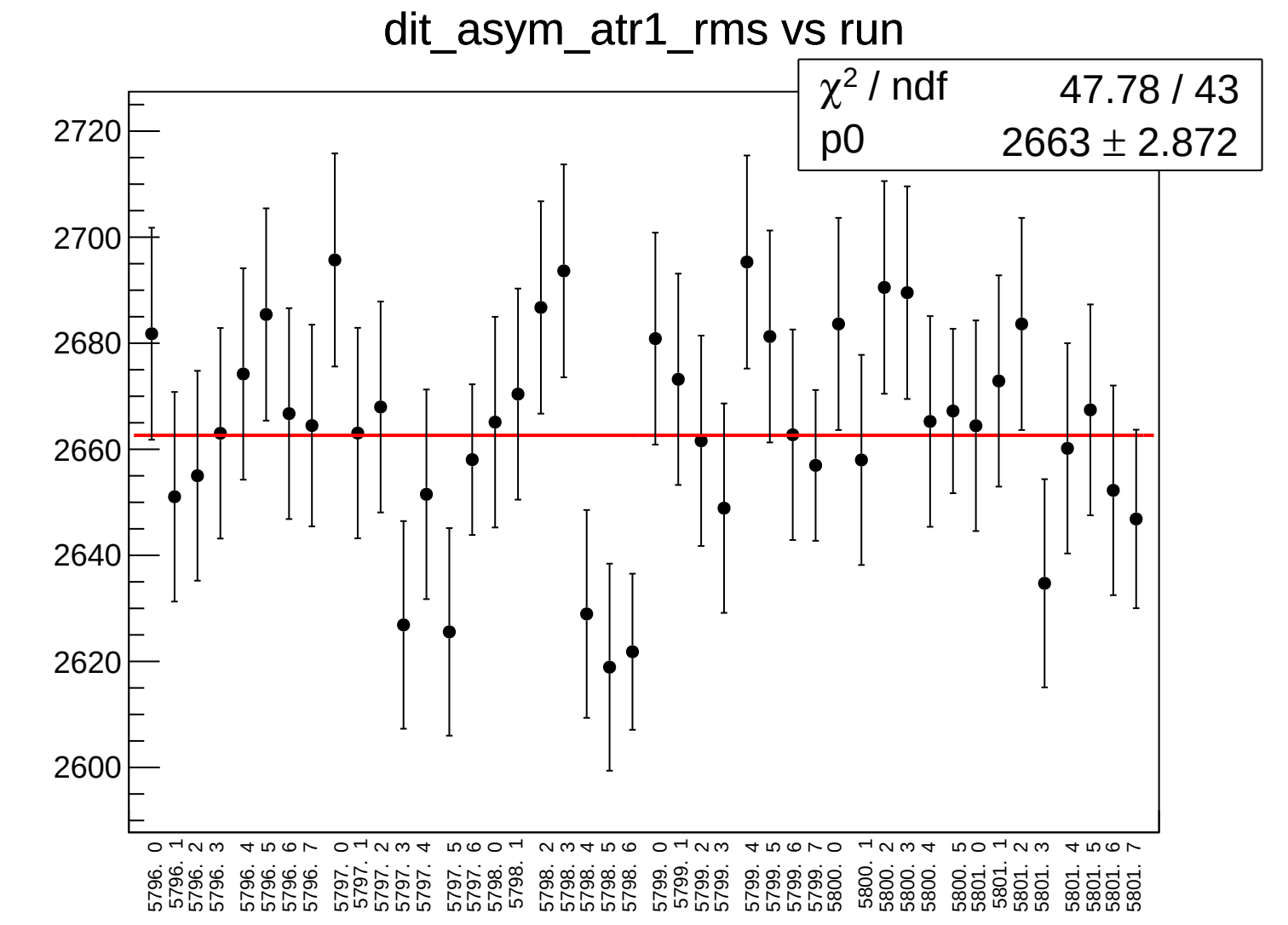

asym_atl2_mean vs run
×10^3
χ^2 / ndf 28.93 / 43
p0 −2464 ± 9306
200
150
100
50
0
−50
−100
−150
−200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 42.96
Std Dev 26.95
1.5
1
0.5
0
−0.5
−1
−1.5
−2

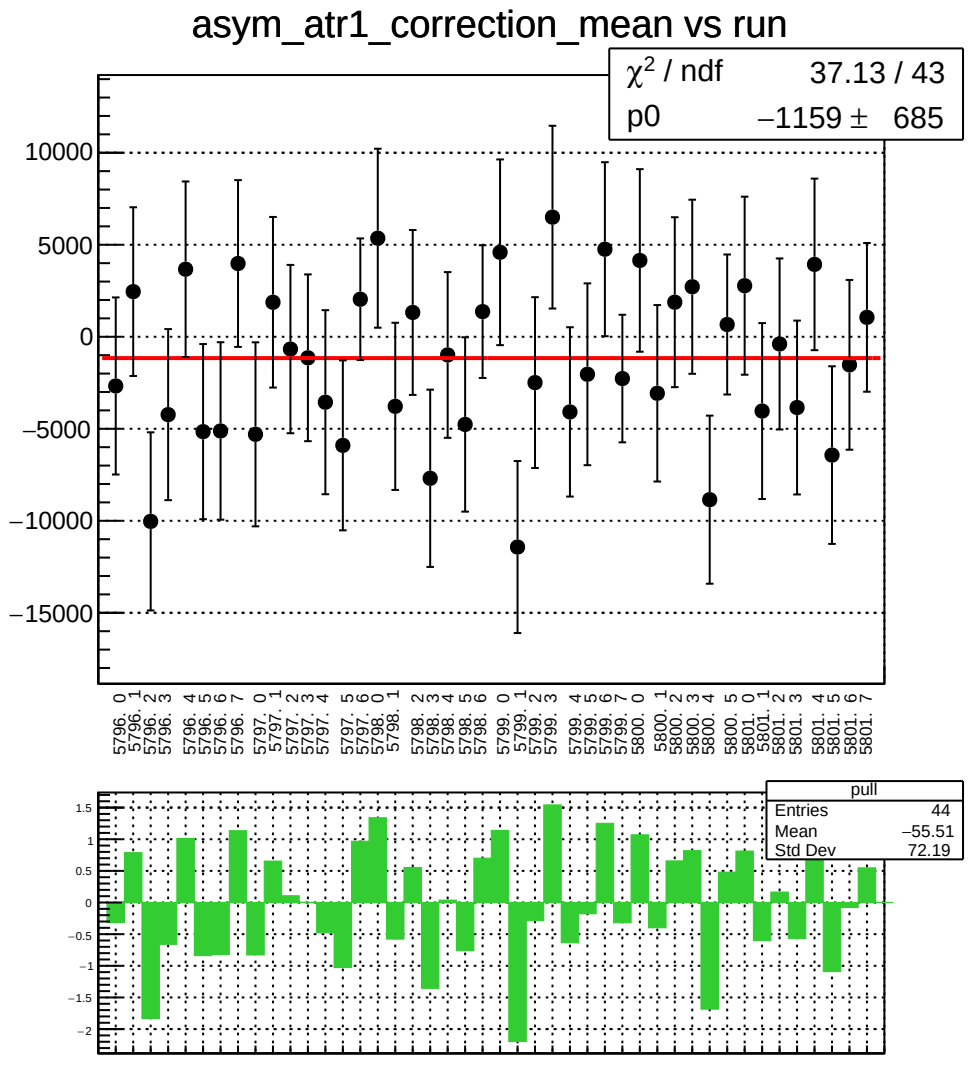

pull1D
Entries 44
Mean 0.01011
Std Dev 0.8108
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

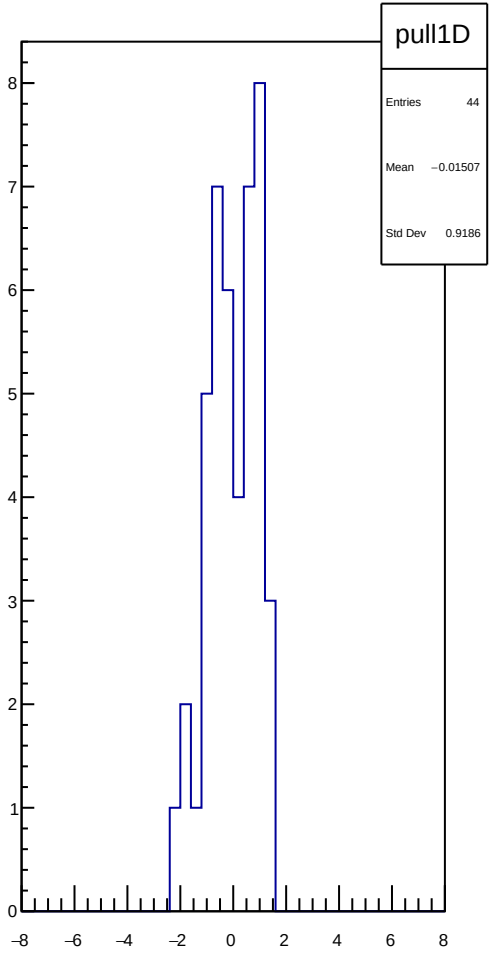

asym_atl2_rms vs run
χ² / ndf 491 / 43
p0 6099 ± 6.58
6600
6500
6400
6300
6200
6100
6000
5900
5800
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

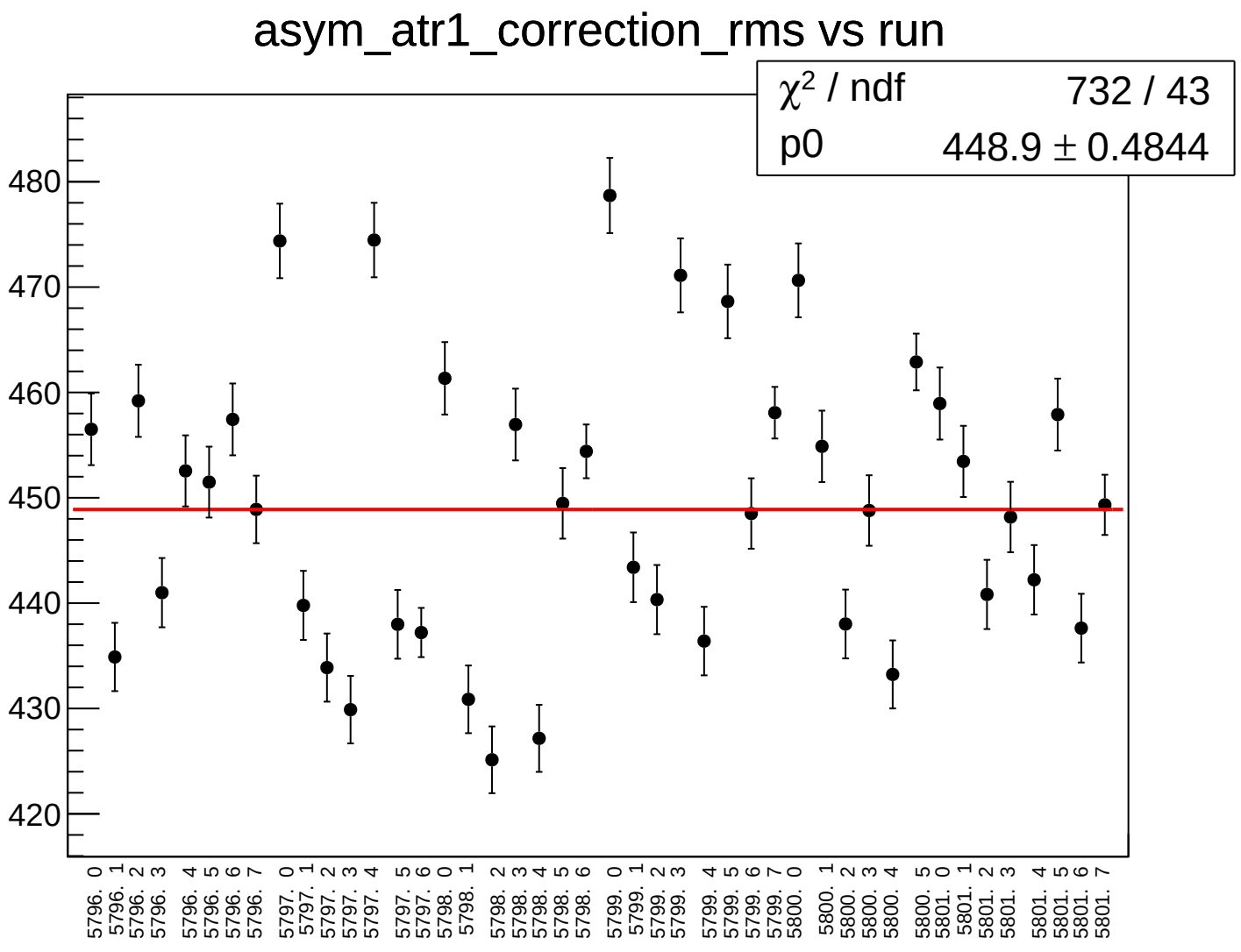

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 41.31 / 43
p0 −1042 ± 4061
pull
Entries 44
Mean −18.83
Std Dev 75.55

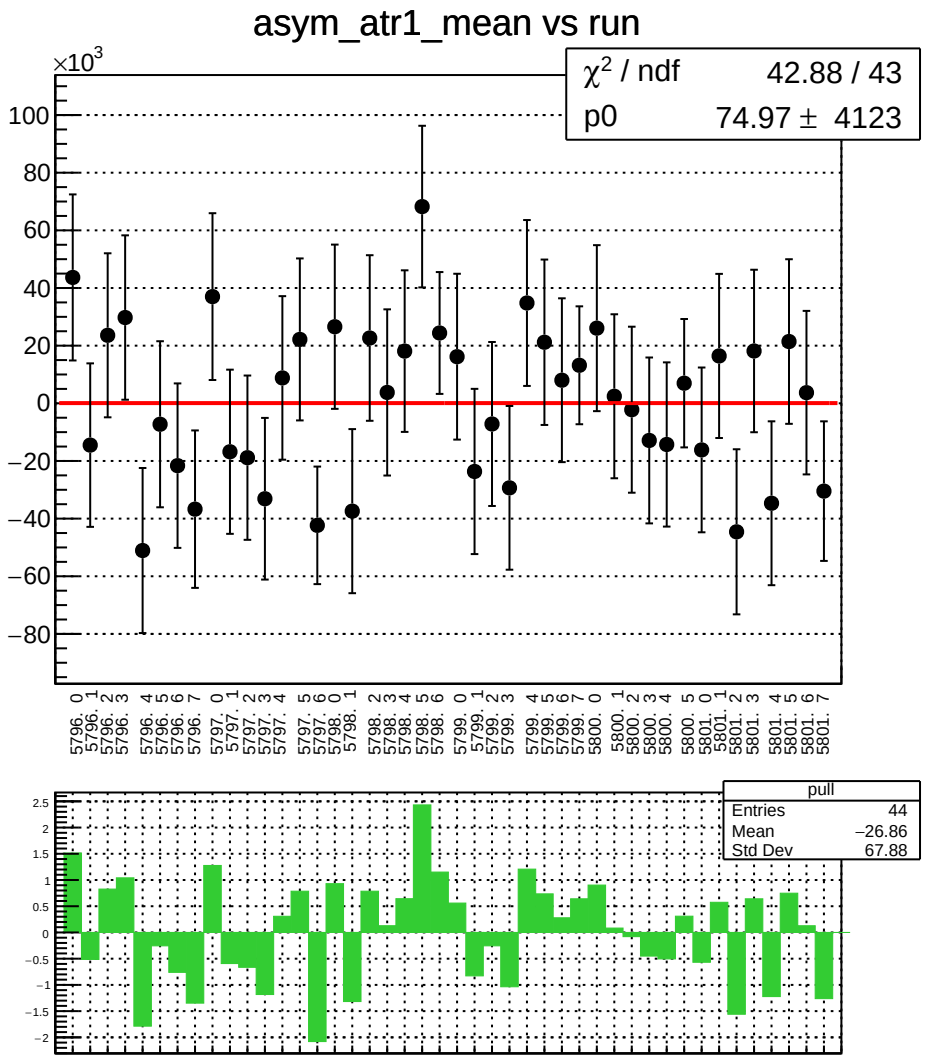

pull1D
Entries 44
Mean 0.005277
Std Dev 0.969

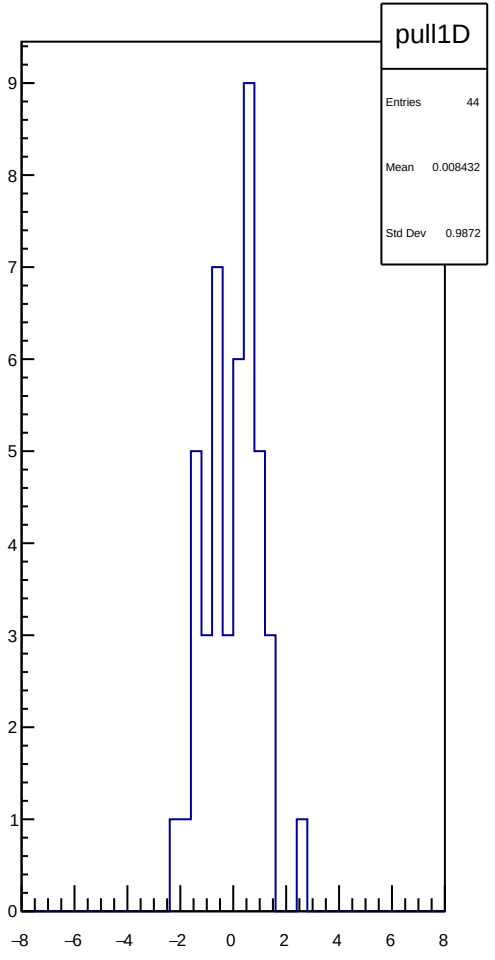

dit_asym_atr1_rms vs run
χ² / ndf 47.78 / 43
p0 2663 ± 2.872
2720
2700
2680
2660
2640
2620
2600
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

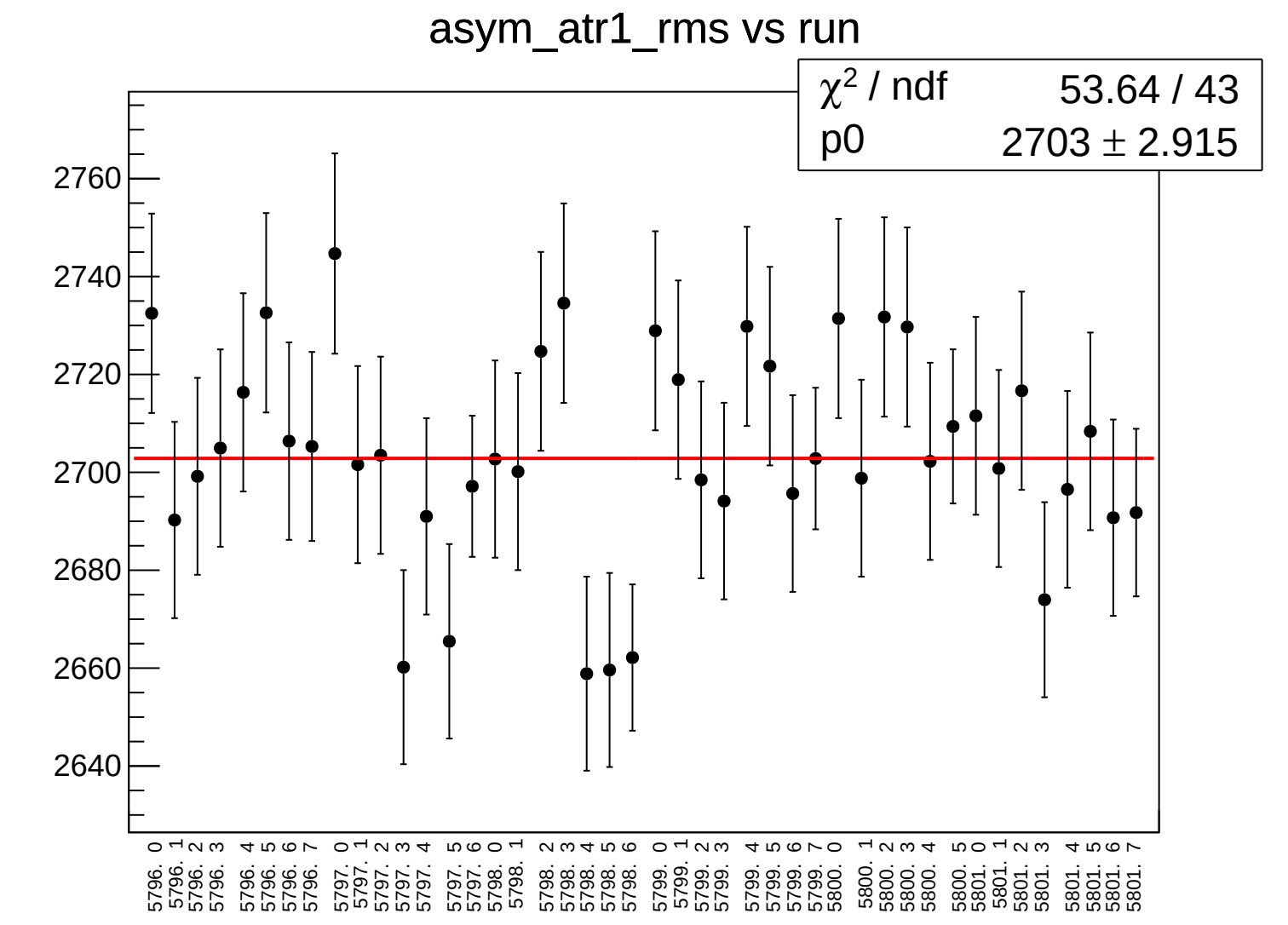

asym_atr1_correction_mean vs run
χ² / ndf 37.13 / 43
p0 −1159 ± 685
10000
5000
0
−5000
−10000
−15000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −55.51
Std Dev 72.19
1.5
1
0.5
0
−0.5
−1
−1.5
−2

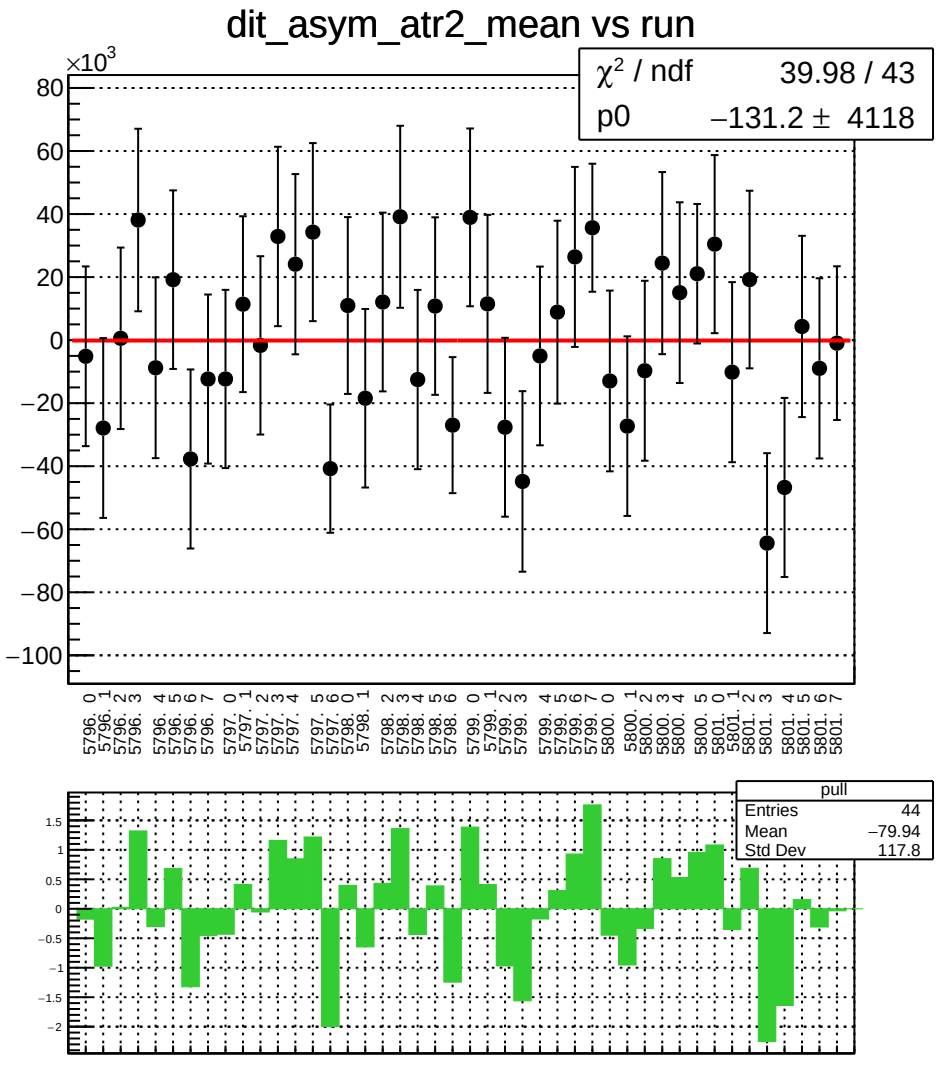

pull1D
Entries 44
Mean −0.01507
Std Dev 0.9186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

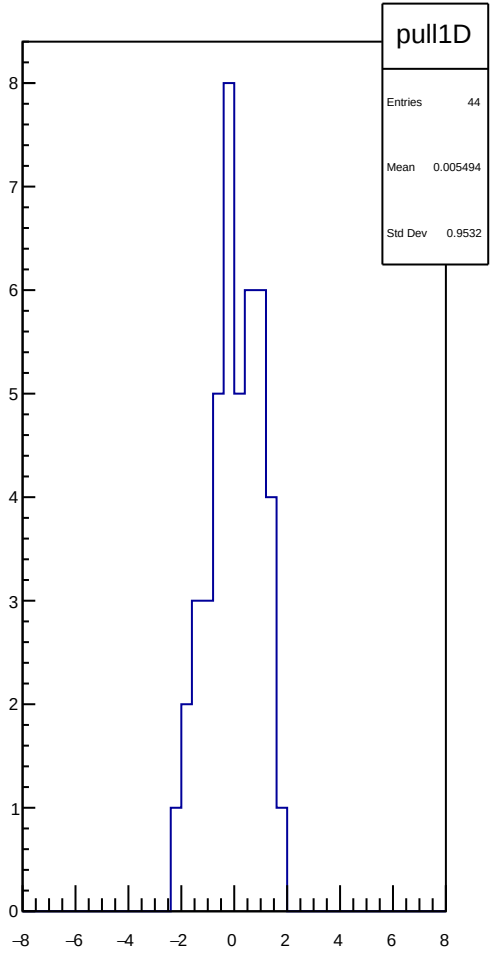

asym_atr1_correction_rms vs run
χ² / ndf 732 / 43
p0 448.9 ± 0.4844
480
470
460
450
440
430
420
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

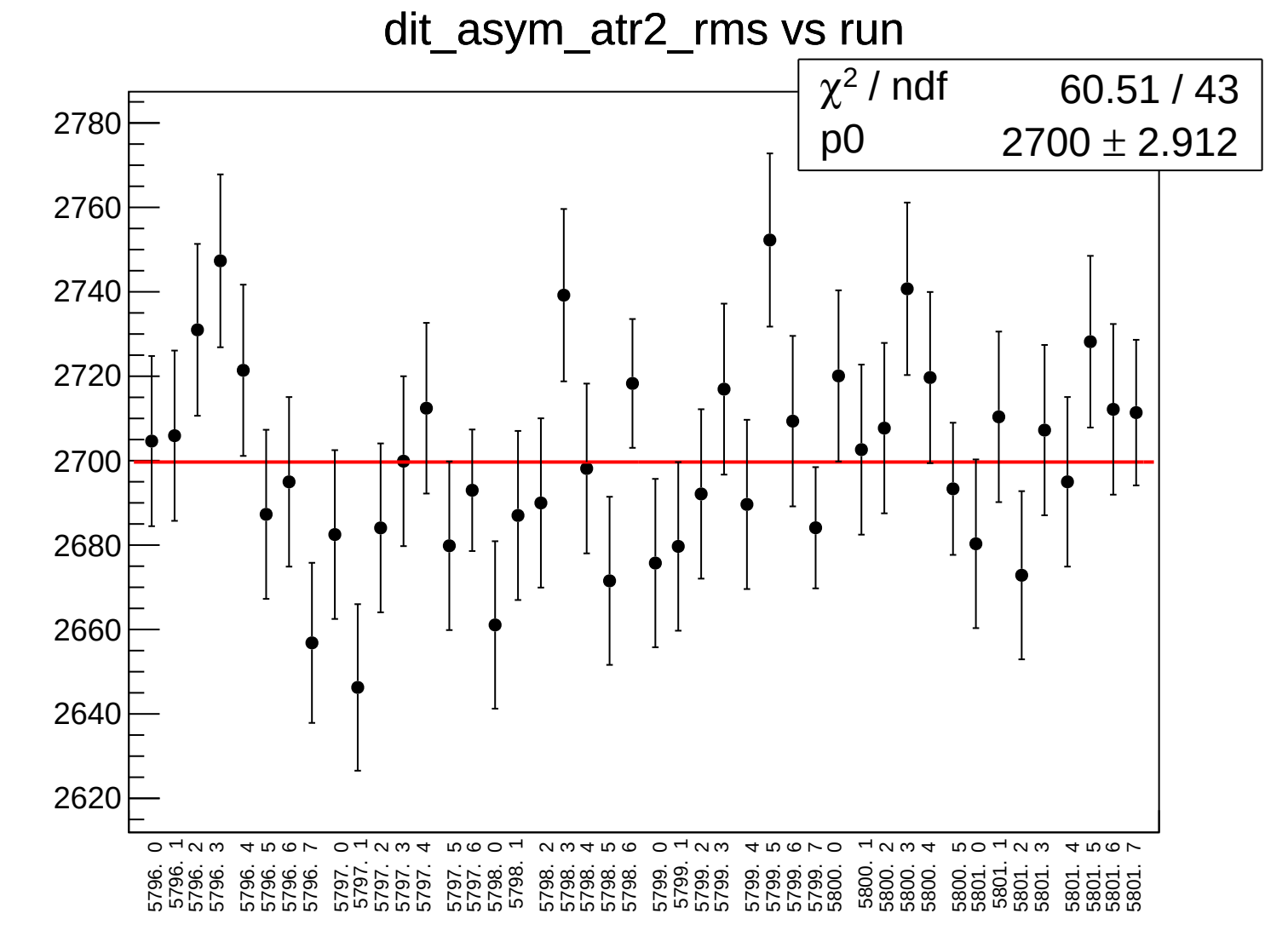

asym_atr1_mean vs run
×10^3
χ² / ndf 42.88 / 43
p0 74.97 ± 4123
pull
Entries 44
Mean −26.86
Std Dev 67.88

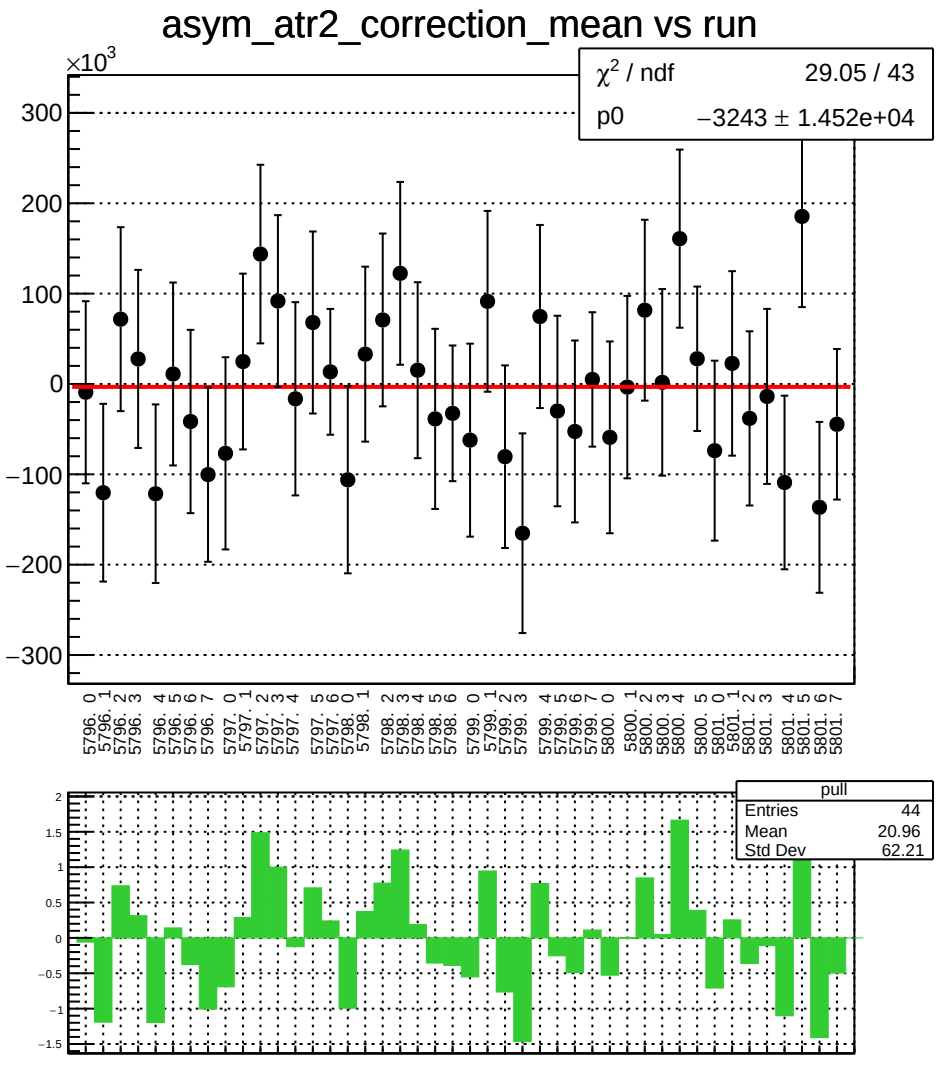

pull1D
Entries 44
Mean 0.008432
Std Dev 0.9872

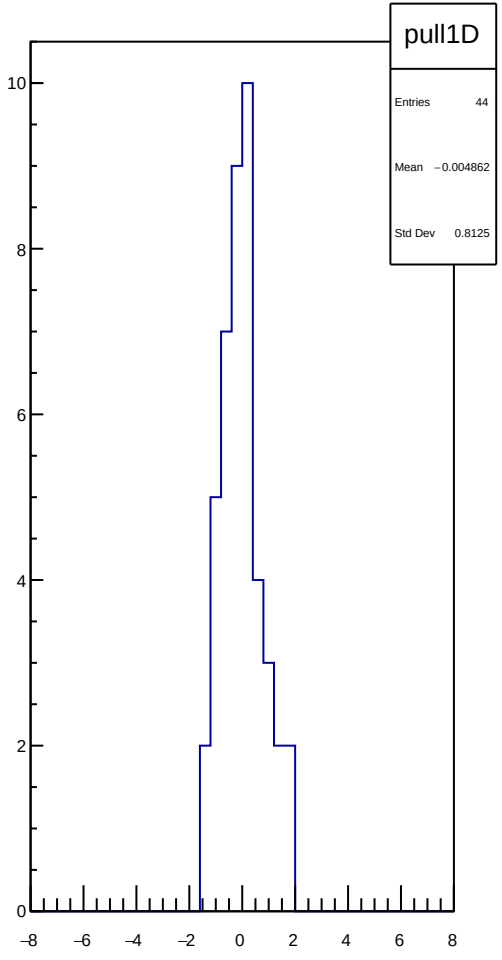

asym_atr1_rms vs run
χ² / ndf 53.64 / 43
p0 2703 ± 2.915
2760
2740
2720
2700
2680
2660
2640
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

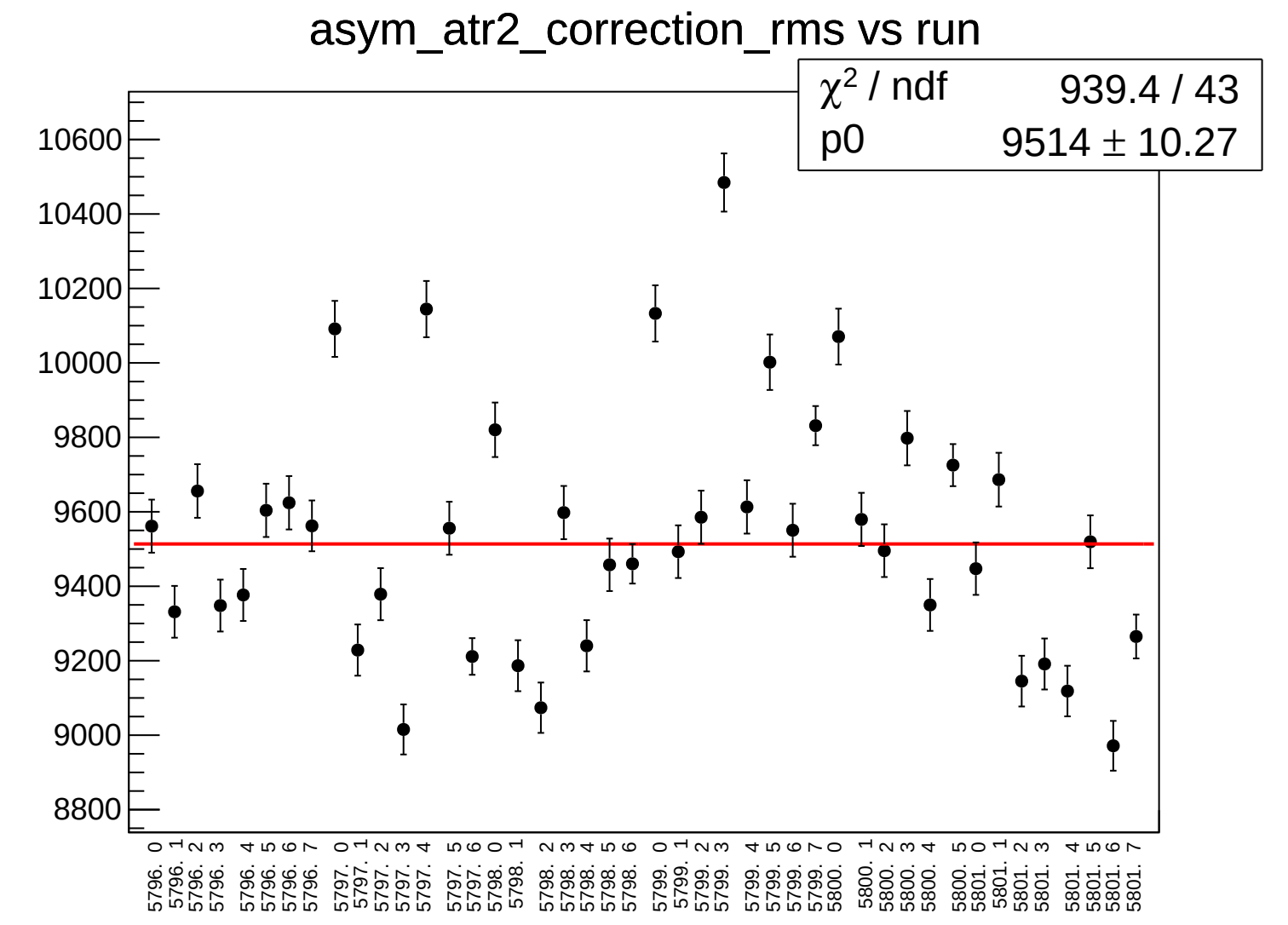

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 39.98 / 43
p0 −131.2 ± 4118
pull
Entries 44
Mean −79.94
Std Dev 117.8

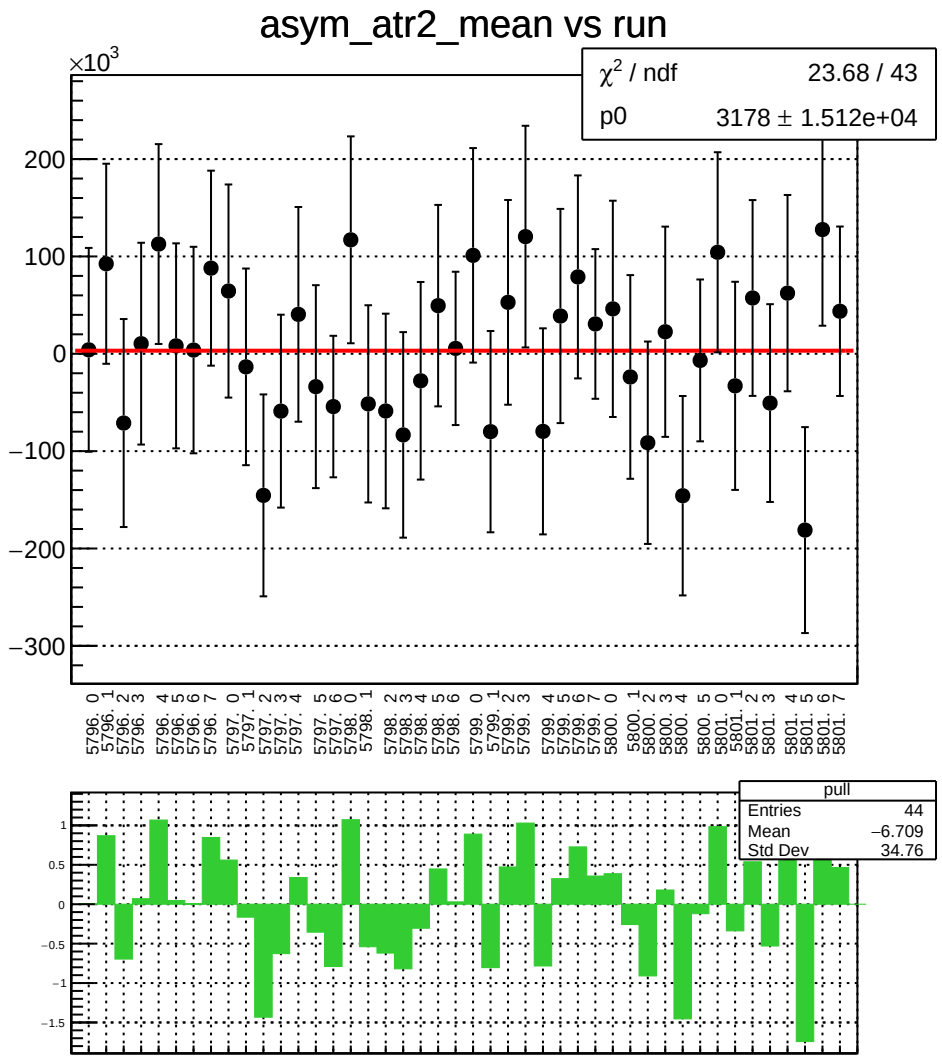

pull1D
Entries 44
Mean 0.005494
Std Dev 0.9532

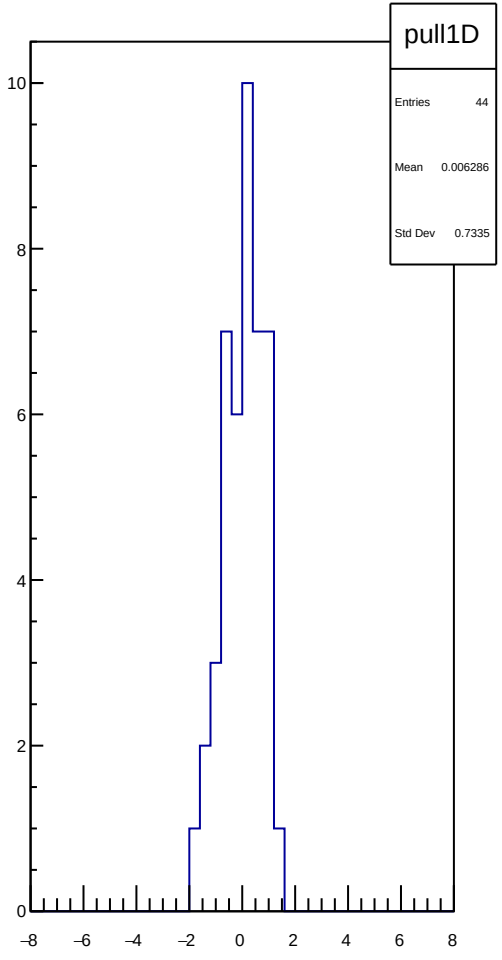

dit_asym_atr2_rms vs run
χ² / ndf 60.51 / 43
p0 2700 ± 2.912
2780
2760
2740
2720
2700
2680
2660
2640
2620
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

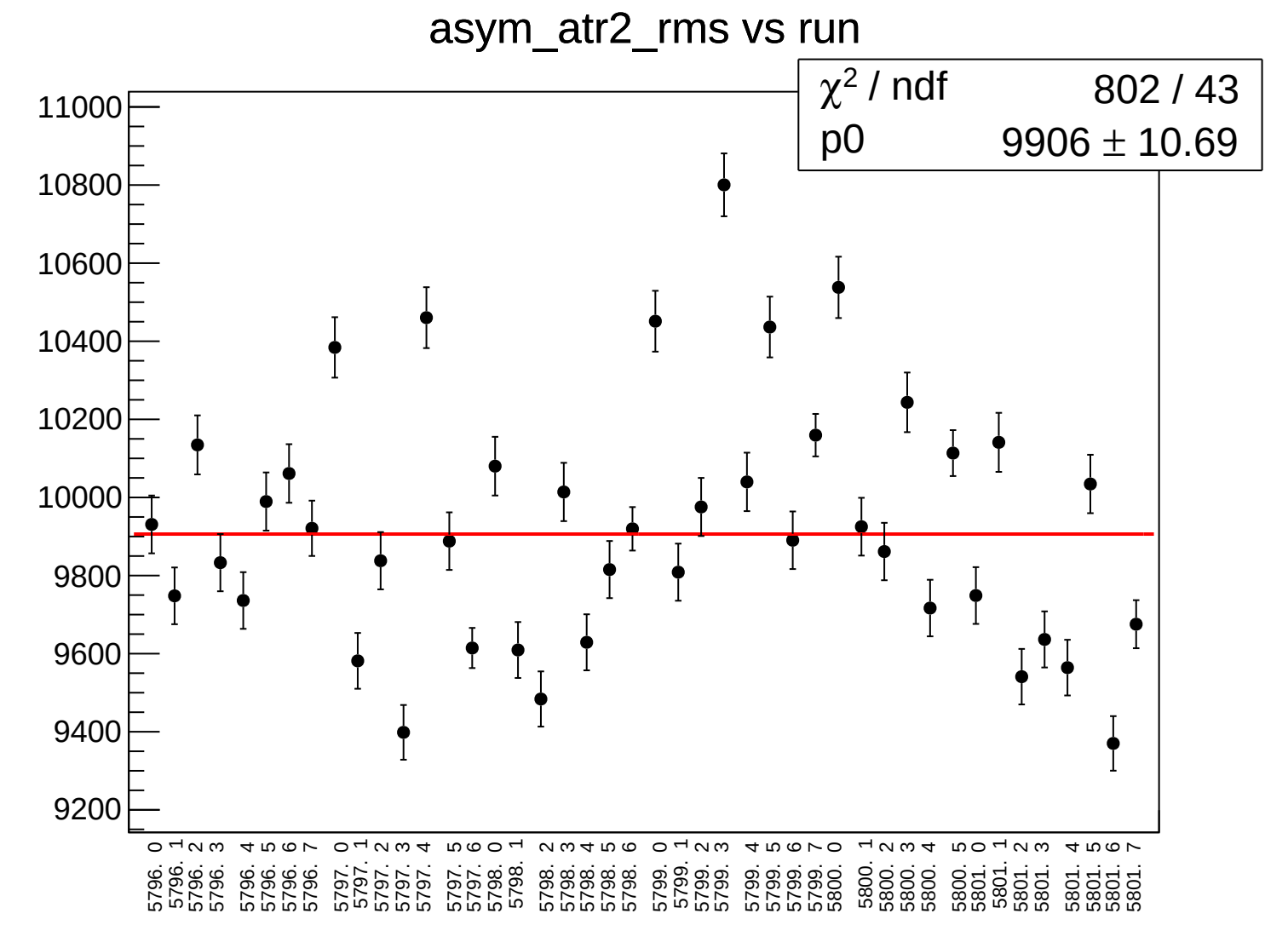

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 29.05 / 43
p0 −3243 ± 1.452e+04
300
200
100
0
−100
−200
−300
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 20.96
Std Dev 62.21
2
1.5
1
0.5
0
−0.5
−1
−1.5

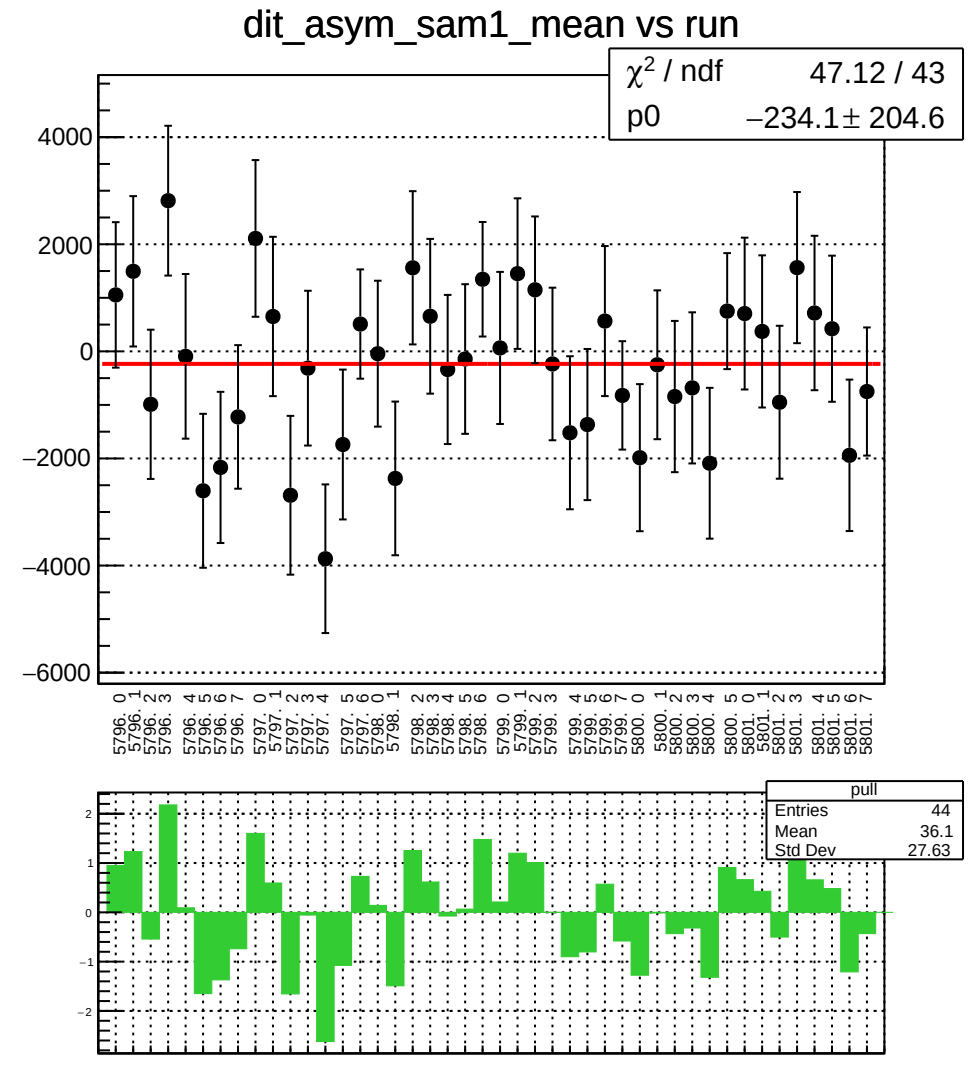

pull1D
Entries 44
Mean −0.004862
Std Dev 0.8125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

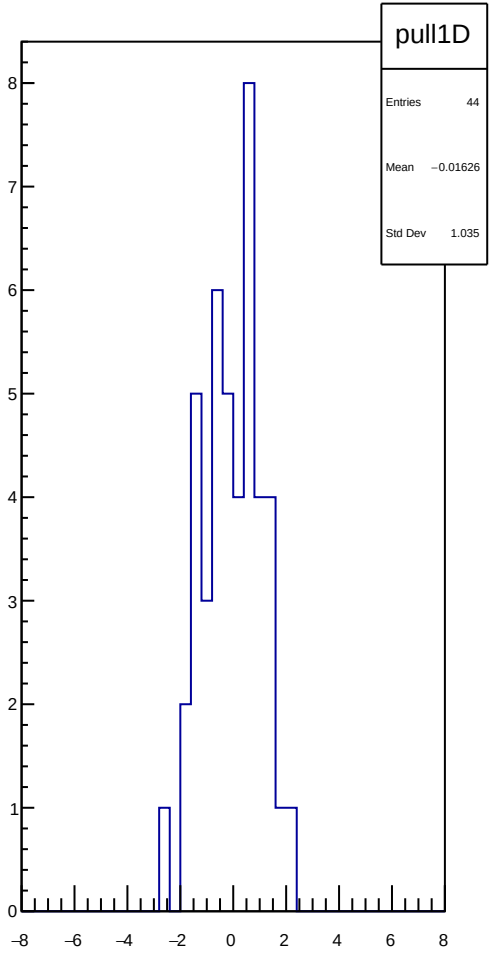

asym_atr2_correction_rms vs run
χ² / ndf 939.4 / 43
p0 9514 ± 10.27
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

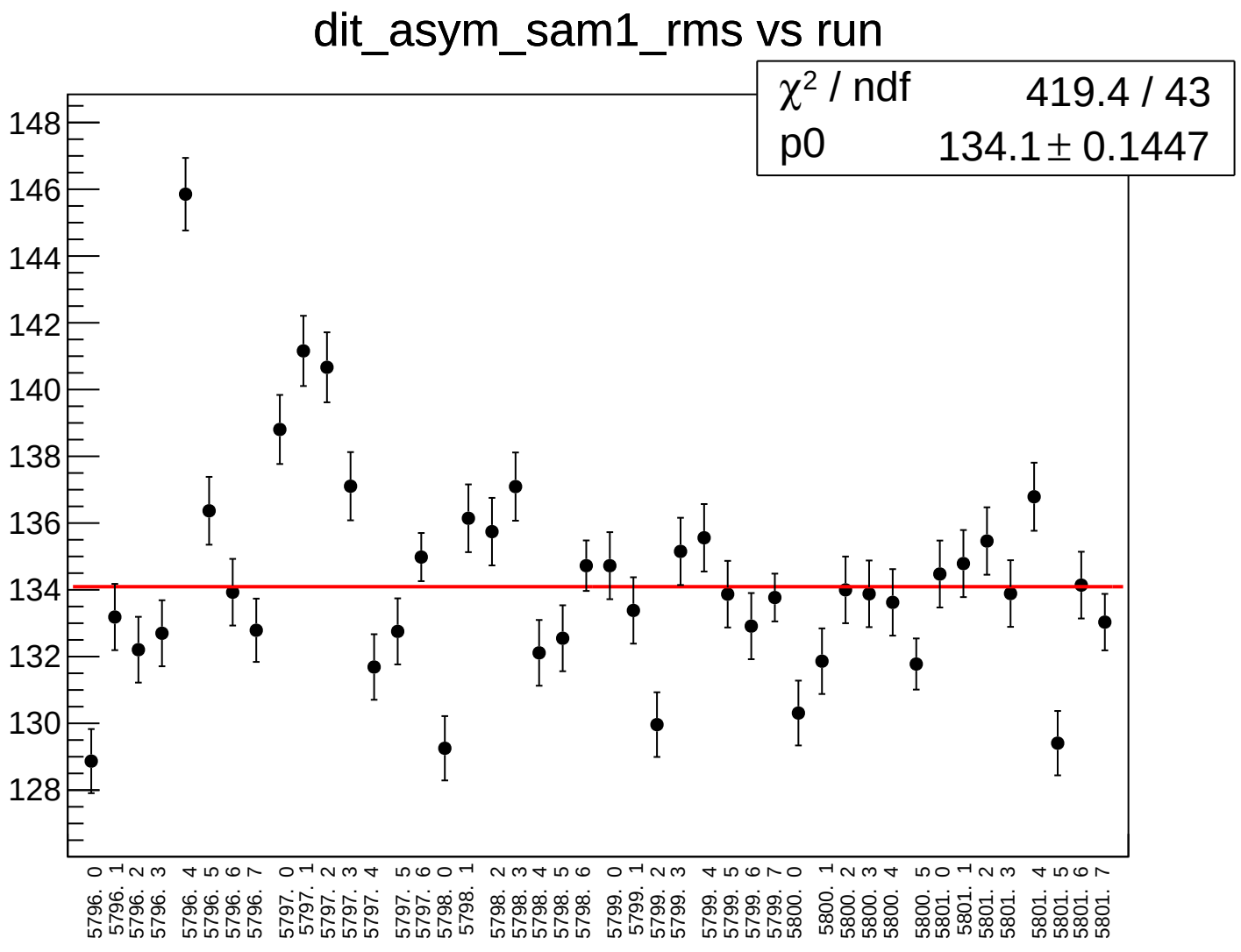

asym_atr2_mean vs run
×10^3
χ² / ndf 23.68 / 43
p0 3178 ± 1.512e+04
200
100
0
−100
−200
−300
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −6.709
Std Dev 34.76
1
0.5
0
−0.5
−1
−1.5

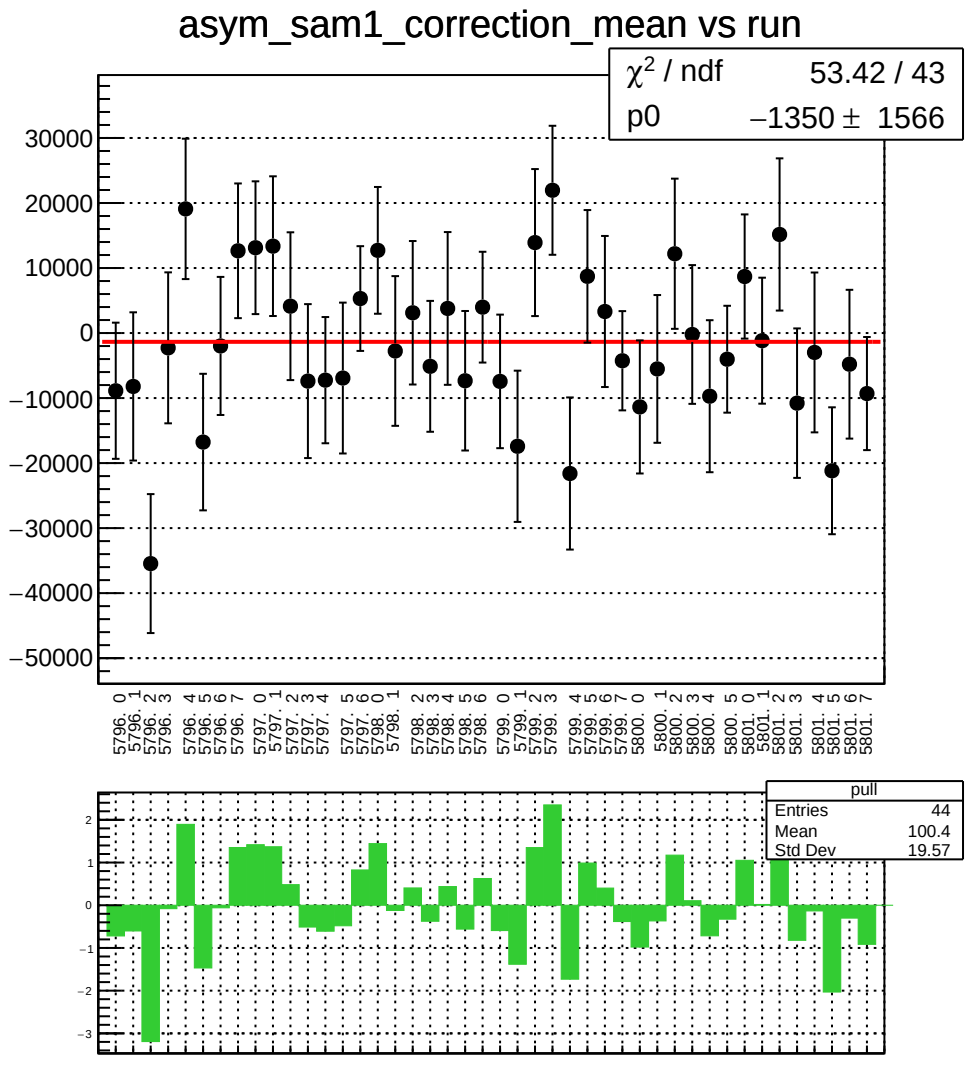

pull1D
Entries 44
Mean 0.006286
Std Dev 0.7335
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

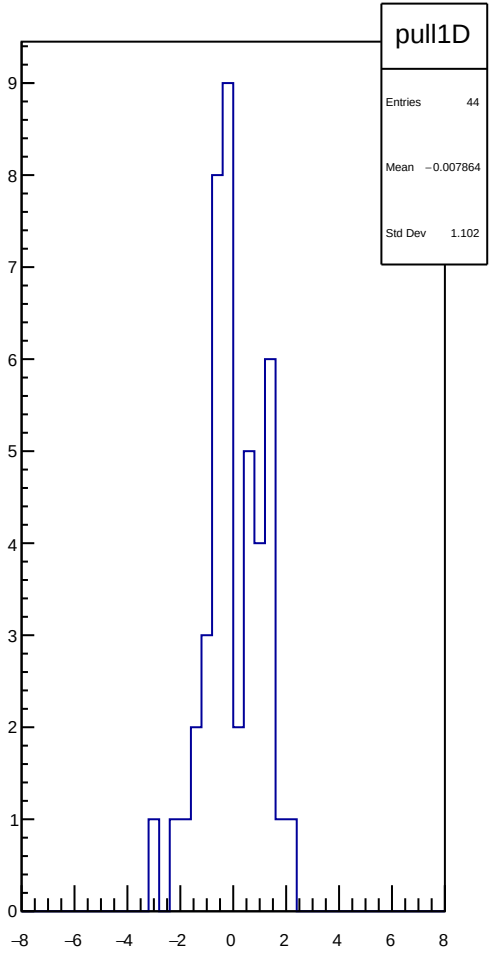

asym_atr2_rms vs run
χ² / ndf 802 / 43
p0 9906 ± 10.69
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

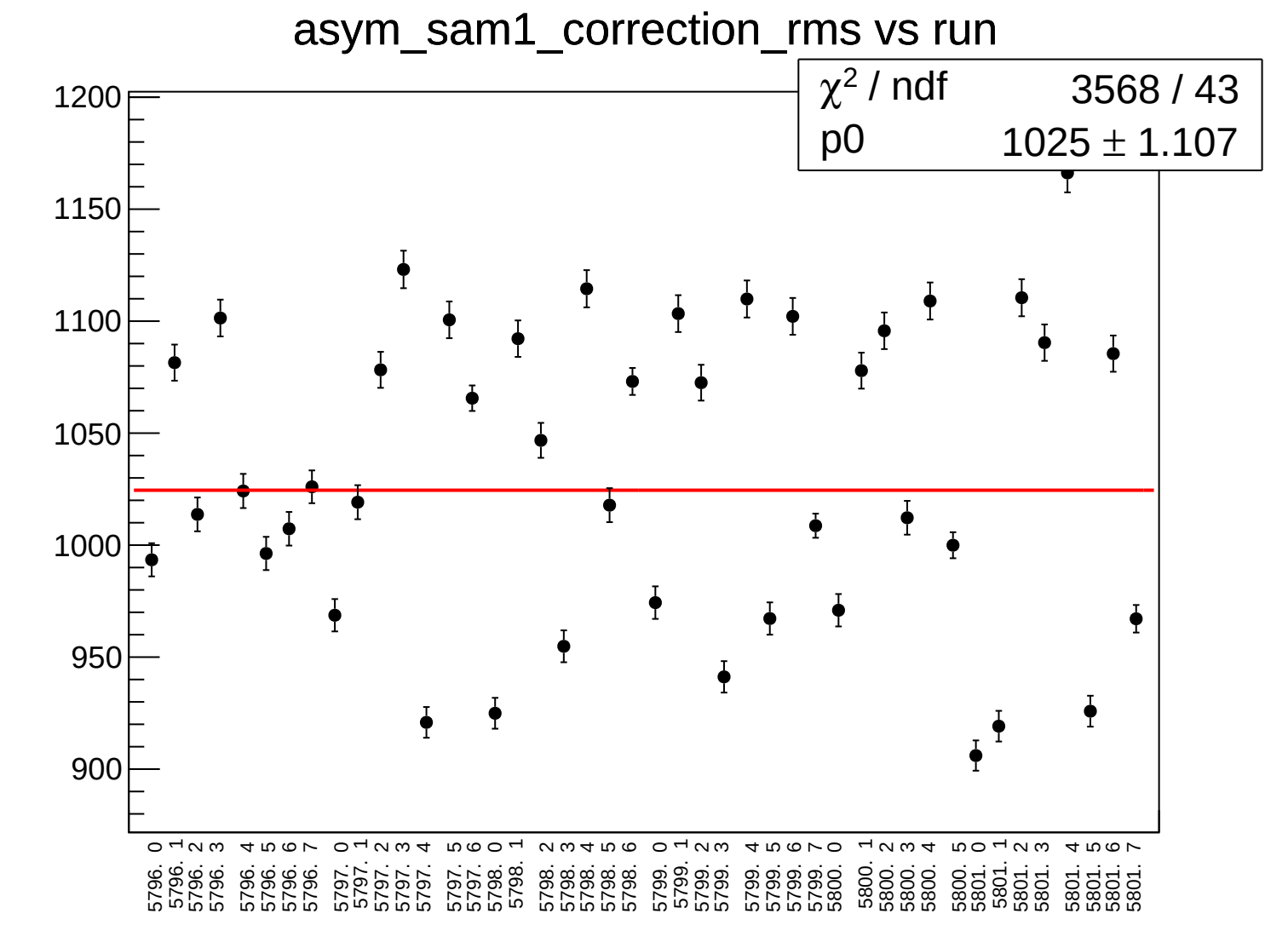

dit_asym_sam1_mean vs run
χ² / ndf 47.12 / 43
p0 −234.1± 204.6
4000
2000
0
−2000
−4000
−6000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 36.1
Std Dev 27.63
2
1
0
−1
−2

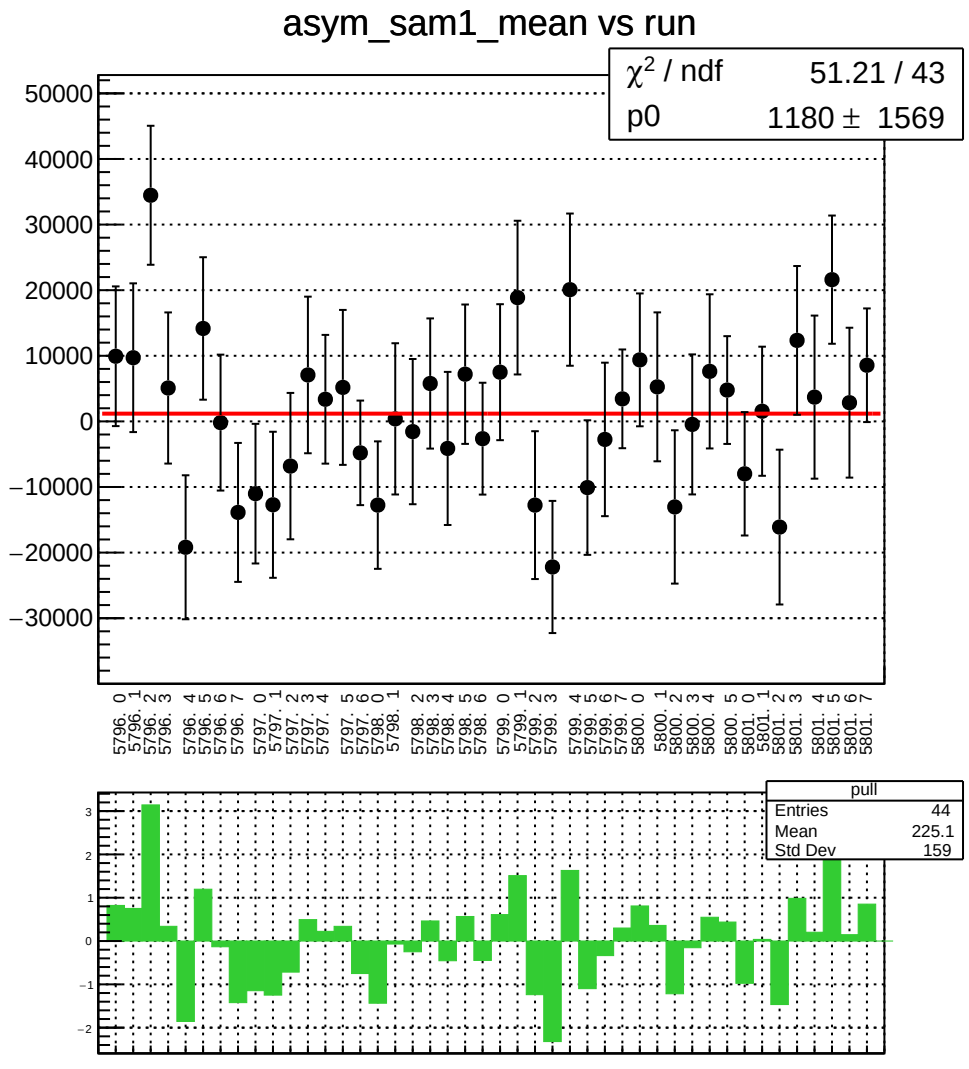

pull1D
Entries 44
Mean −0.01626
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

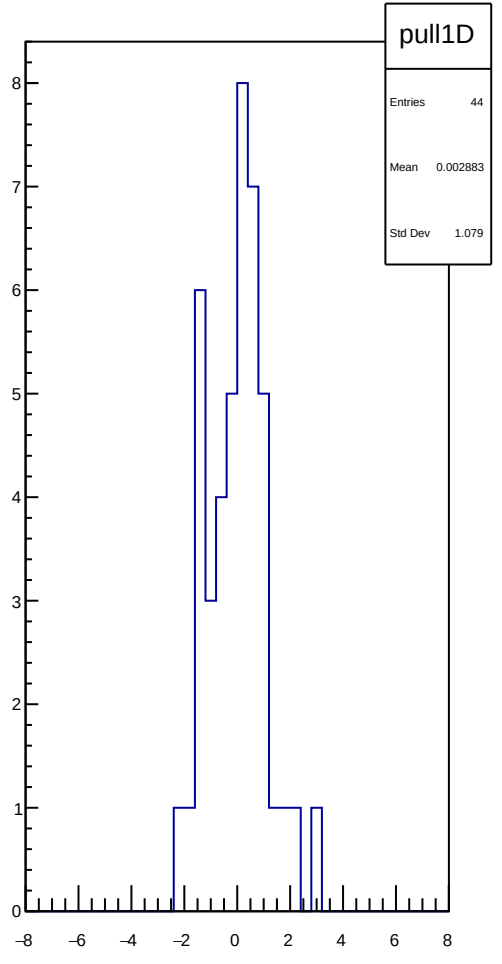

dit_asym_sam1_rms vs run
χ² / ndf 419.4 / 43
p0 134.1 ± 0.1447
148
146
144
142
140
138
136
134
132
130
128
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

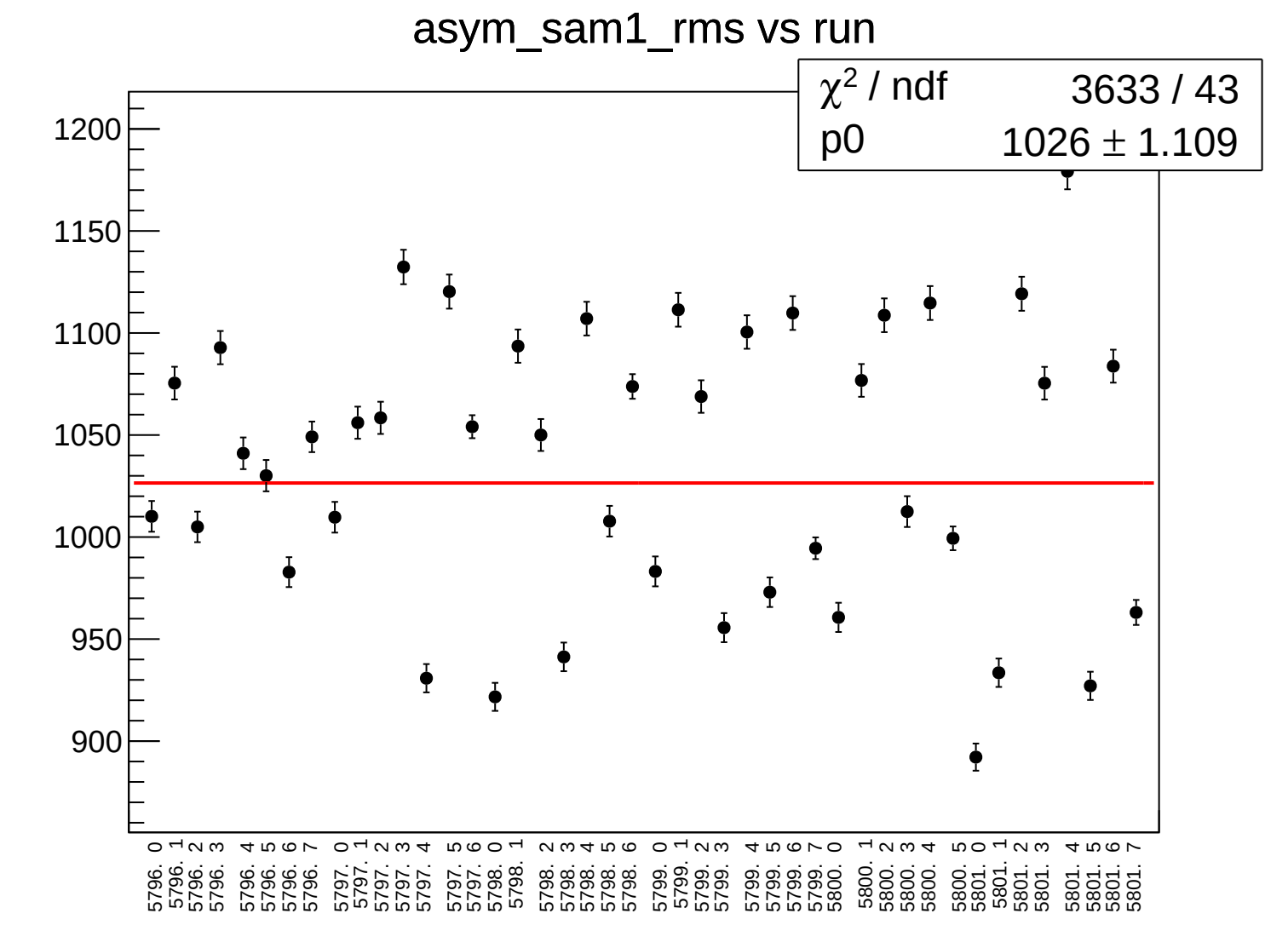

asym_sam1_correction_mean vs run
χ² / ndf 53.42 / 43
p0 −1350 ± 1566
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 100.4
Std Dev 19.57
2
1
0
−1
−2
−3

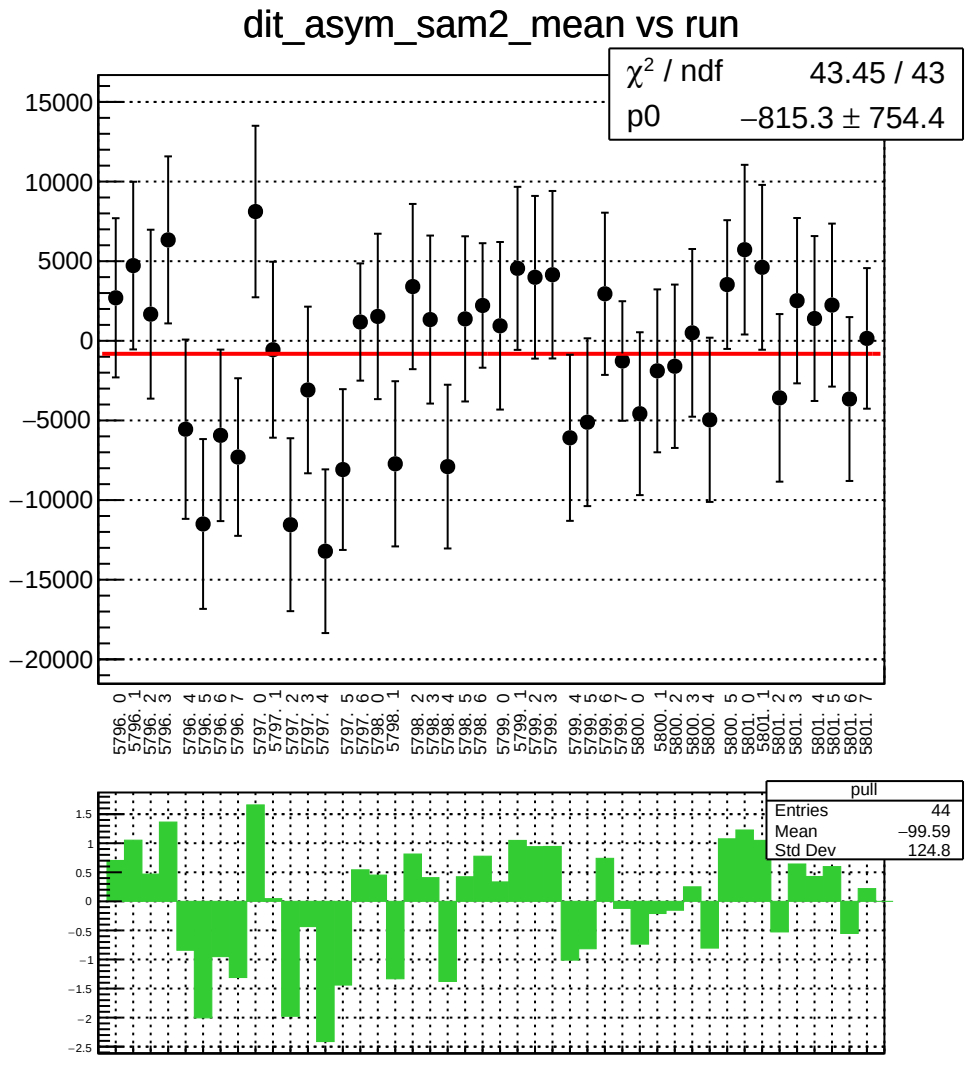

pull1D
Entries 44
Mean −0.007864
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

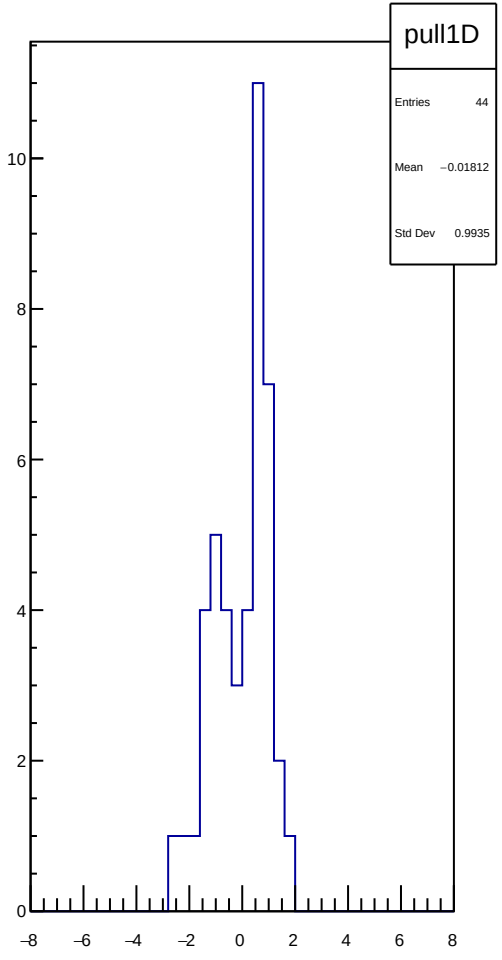

asym_sam1_correction_rms vs run
χ² / ndf 3568 / 43
p0 1025 ± 1.107
1200
1150
1100
1050
1000
950
900
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

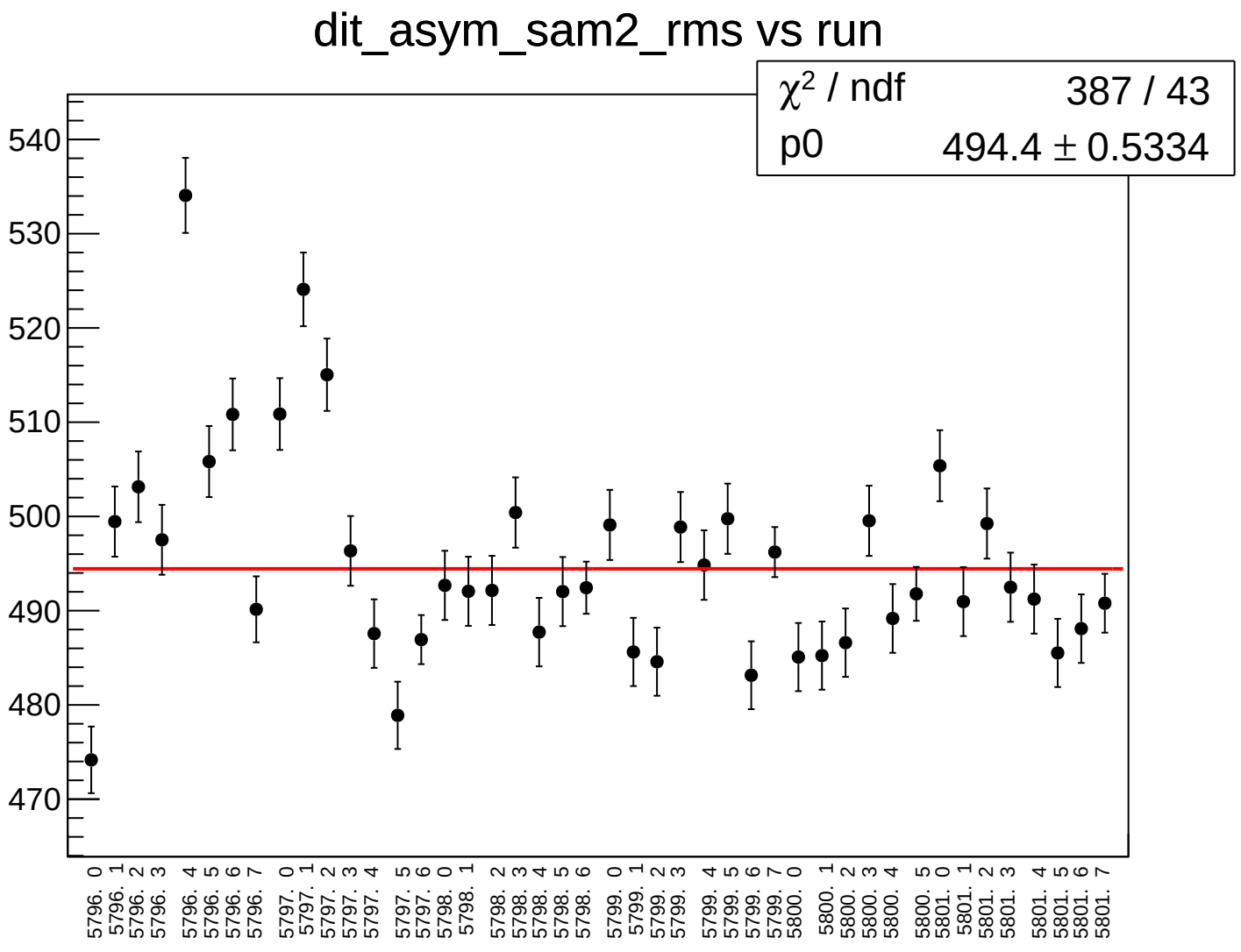

asym_sam1_mean vs run
χ² / ndf 51.21 / 43
p0 1180 ± 1569
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 225.1
Std Dev 159
3
2
1
0
−1
−2

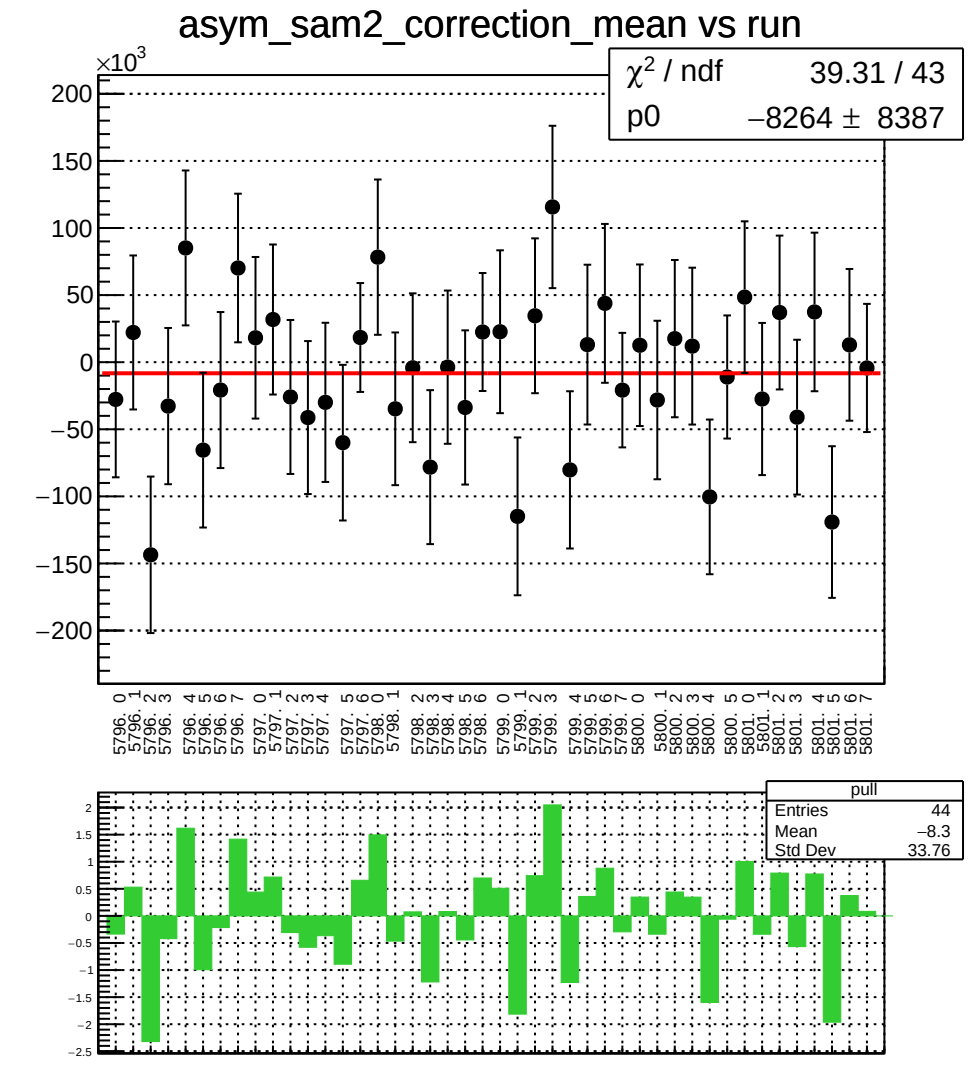

pull1D
Entries 44
Mean 0.002883
Std Dev 1.079
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

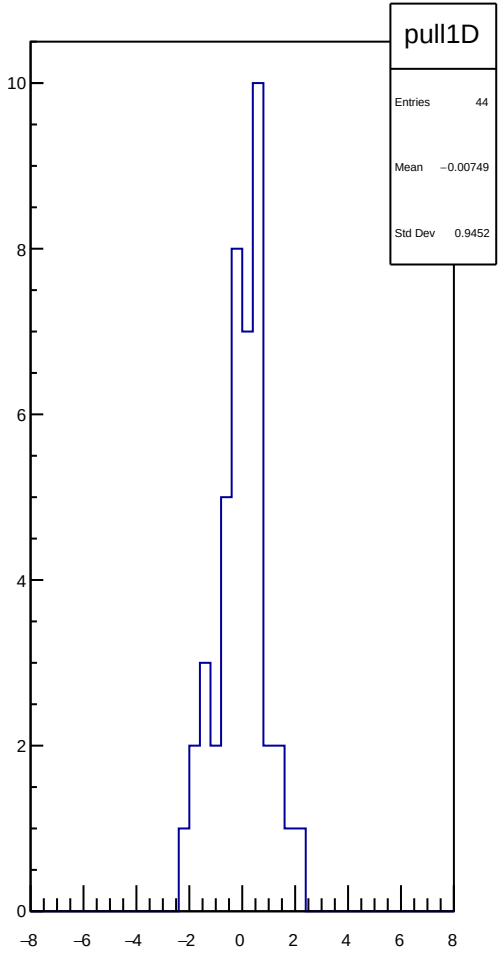

asym_sam1_rms vs run
χ² / ndf 3633 / 43
p0 1026 ± 1.109
1200
1150
1100
1050
1000
950
900
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

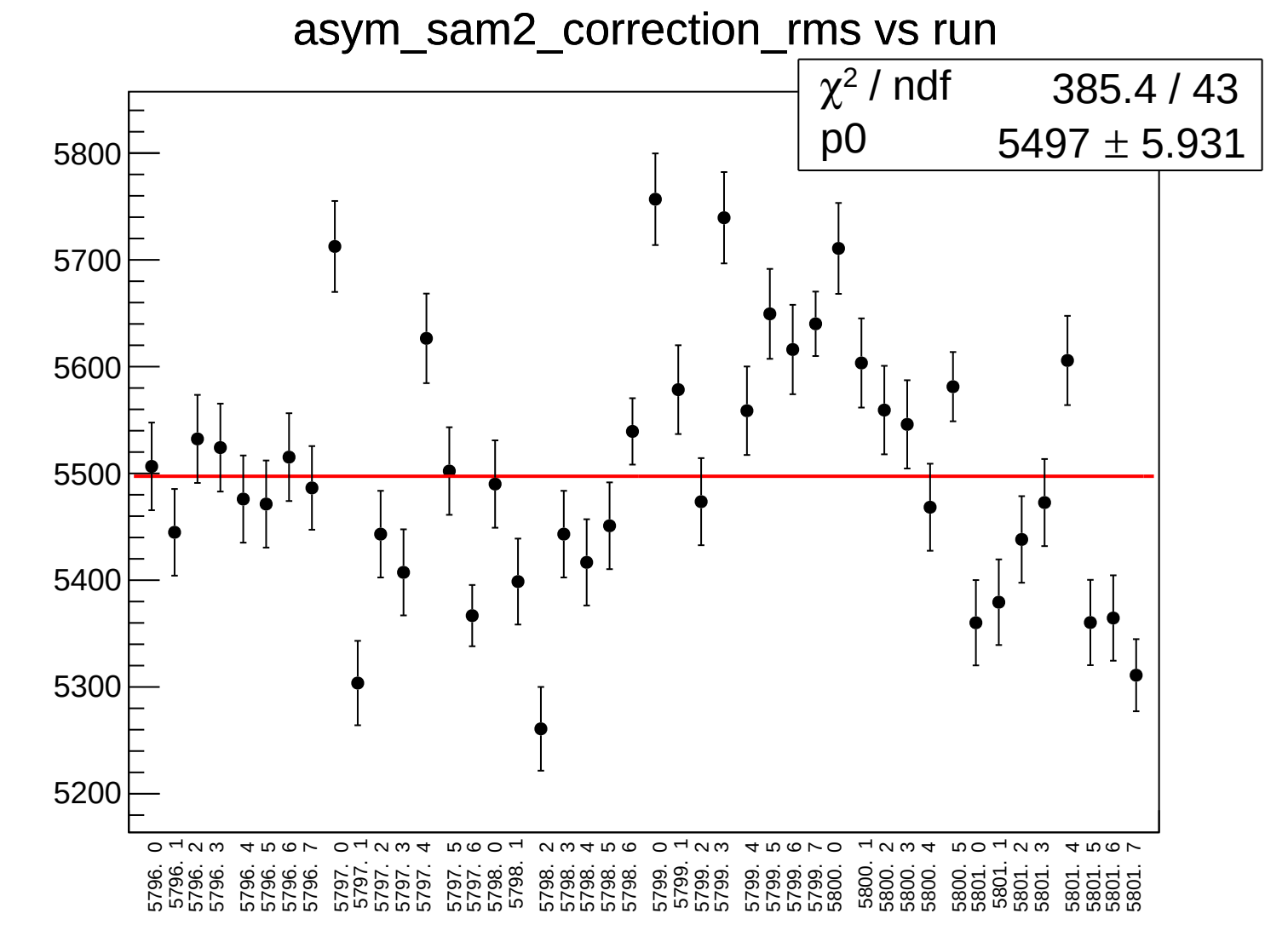

dit_asym_sam2_mean vs run
χ² / ndf 43.45 / 43
p0 −815.3 ± 754.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −99.59
Std Dev 124.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

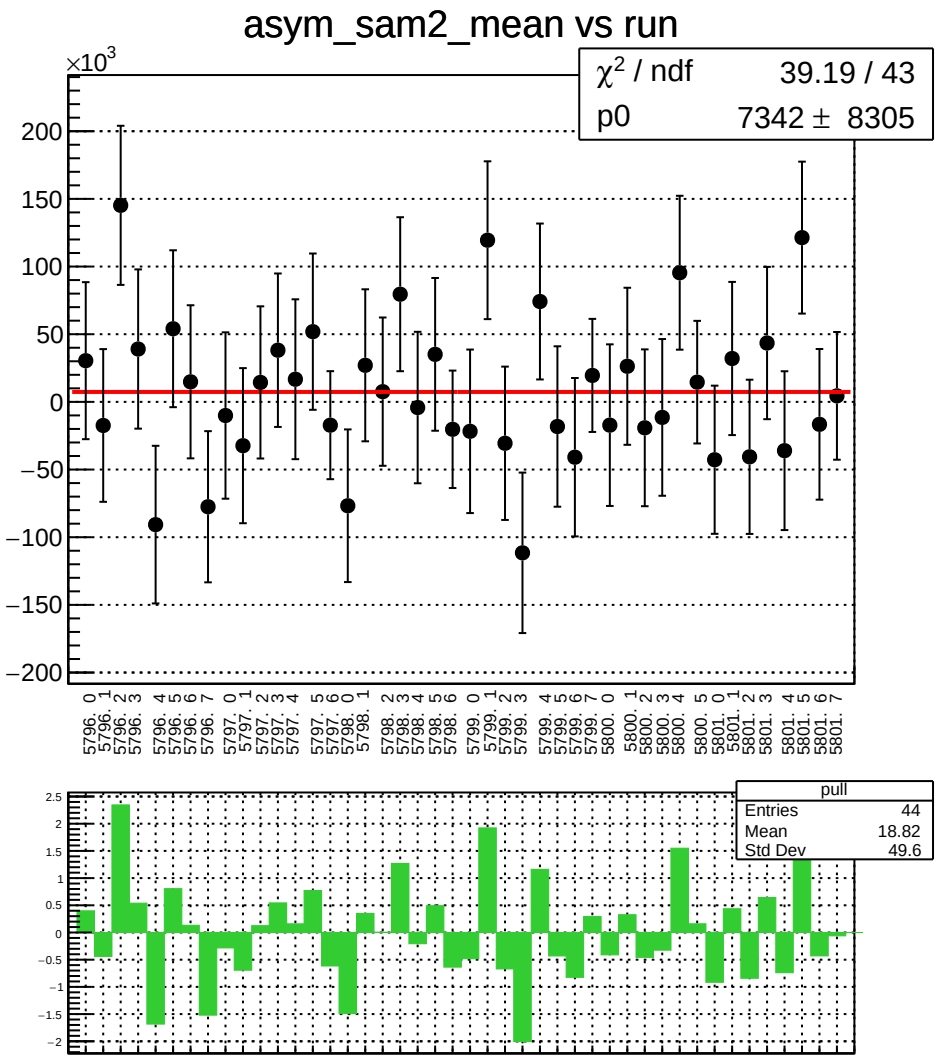

pull1D
Entries 44
Mean −0.01812
Std Dev 0.9935
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

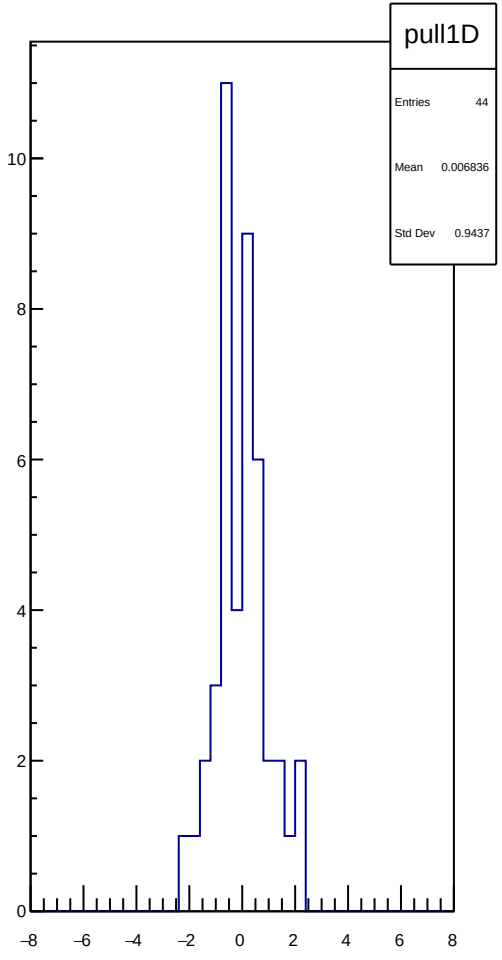

dit_asym_sam2_rms vs run
χ² / ndf 387 / 43
p0 494.4 ± 0.5334
540
530
520
510
500
490
480
470
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

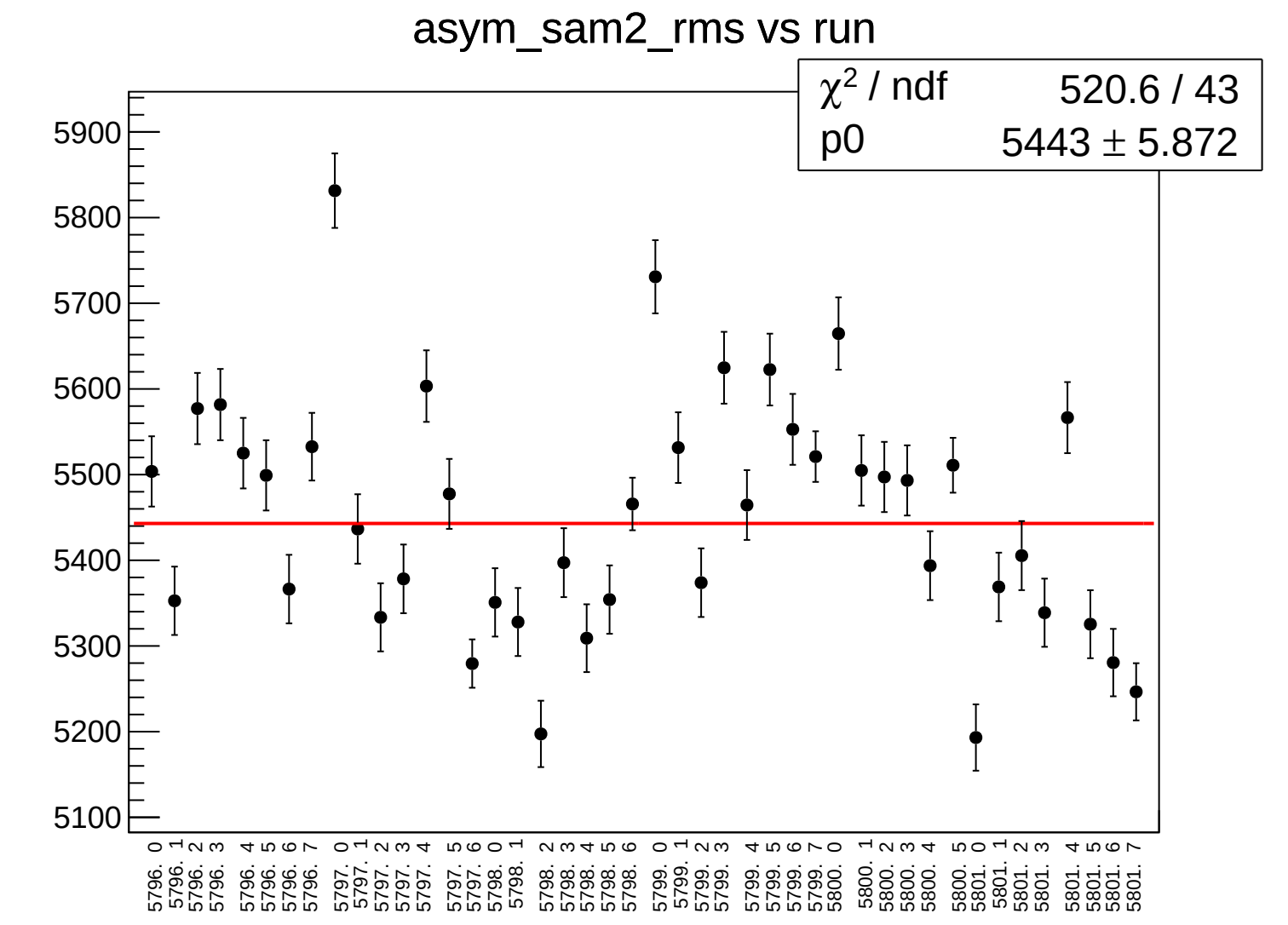

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 39.31 / 43
p0 −8264 ± 8387
200
150
100
50
0
−50
−100
−150
−200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −8.3
Std Dev 33.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

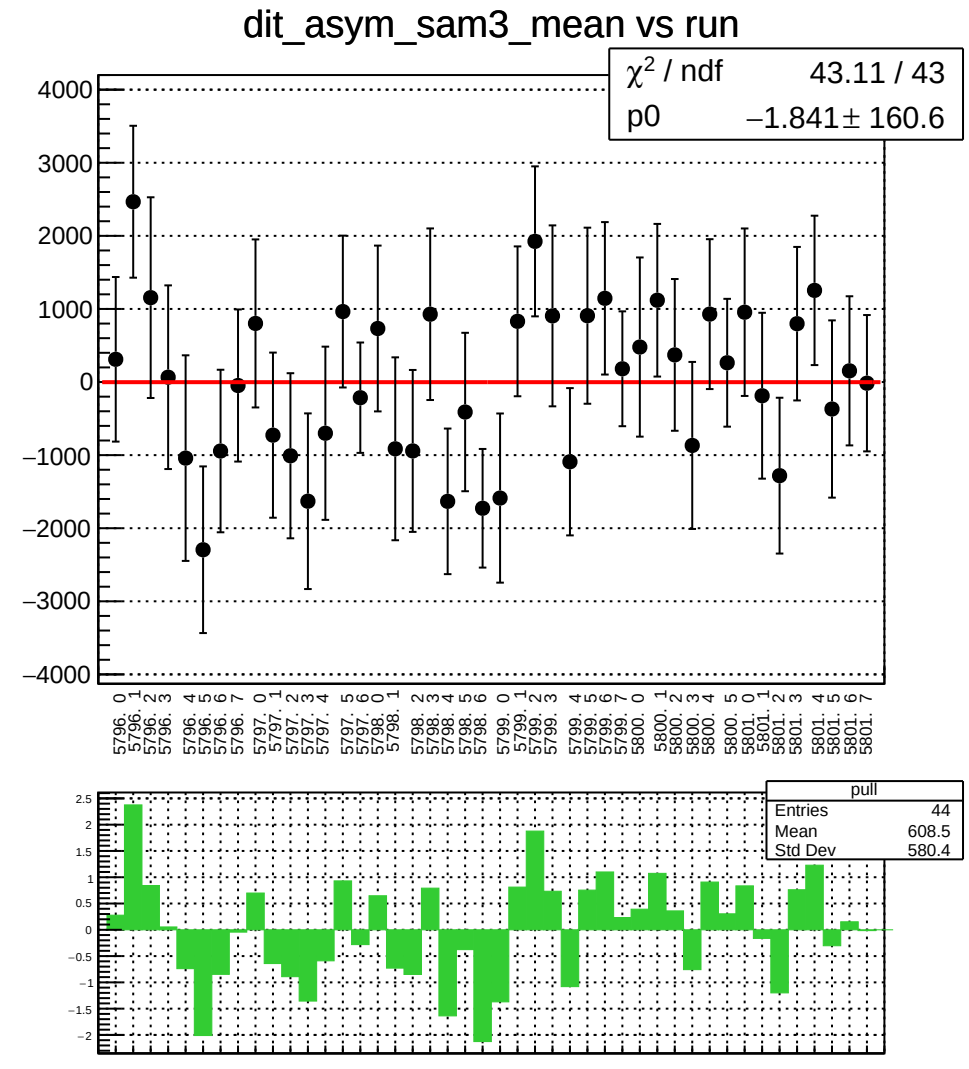

pull1D
Entries 44
Mean −0.00749
Std Dev 0.9452
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

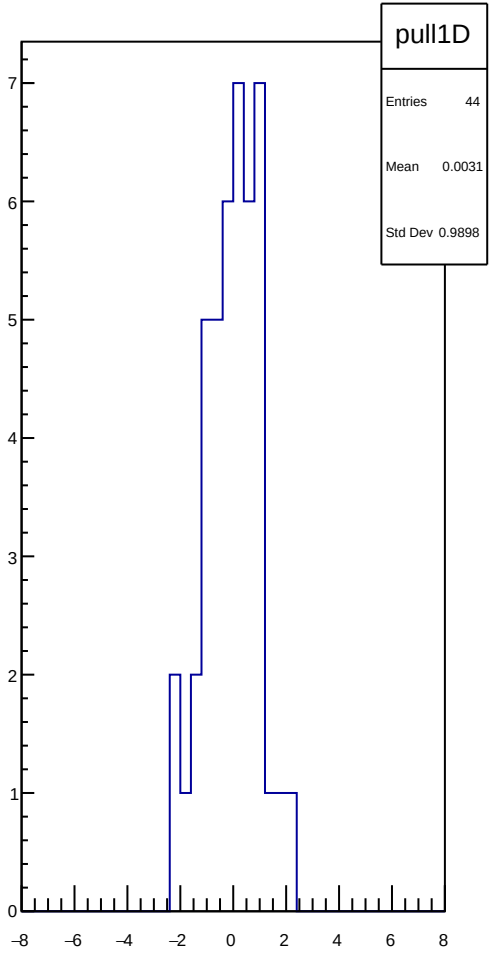

asym_sam2_correction_rms vs run
χ² / ndf 385.4 / 43
p0 5497 ± 5.931
5800
5700
5600
5500
5400
5300
5200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

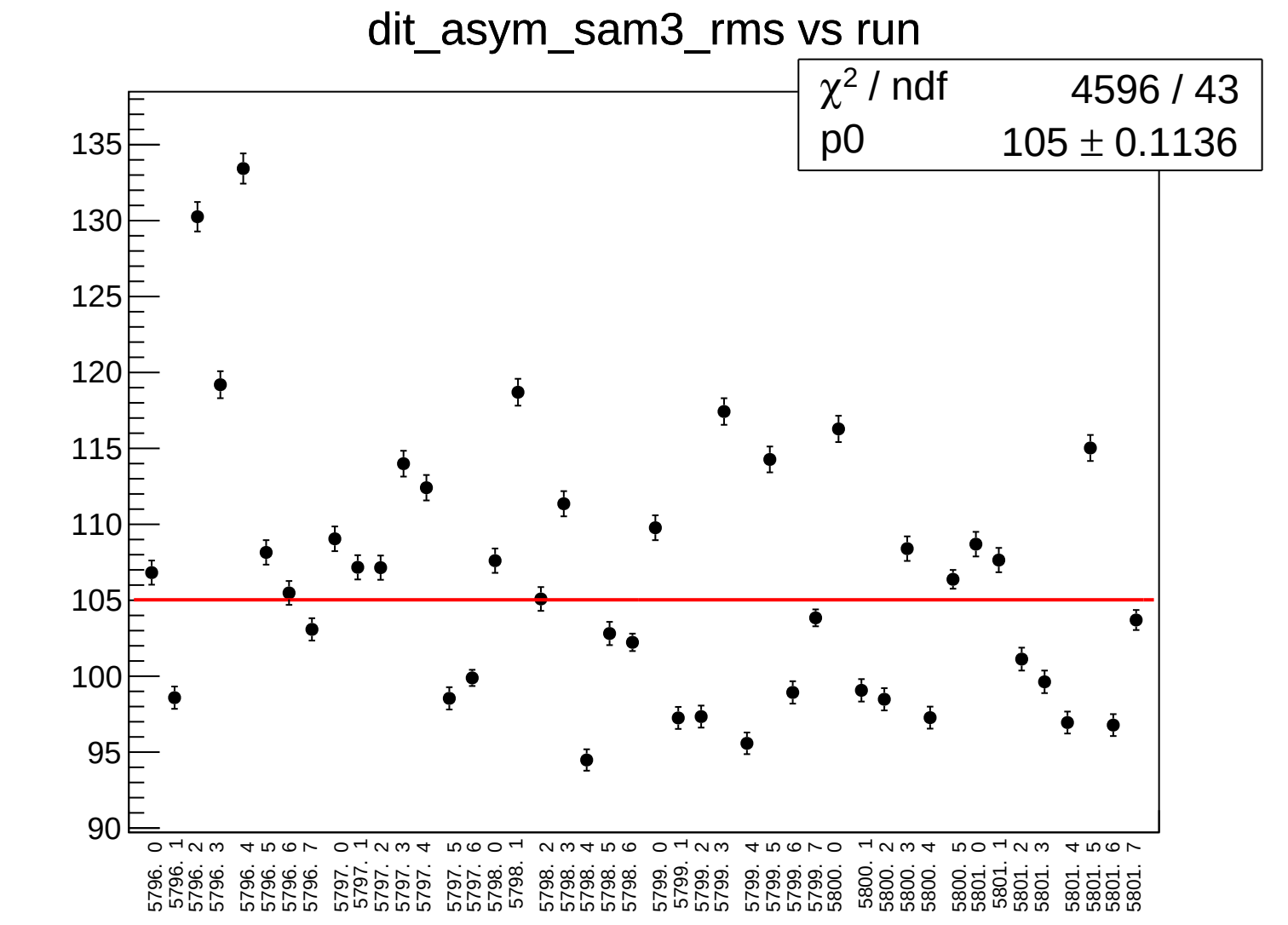

asym_sam2_mean vs run
×10^3
χ^2 / ndf 39.19 / 43
p0 7342 ± 8305
200
150
100
50
0
−50
−100
−150
−200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 18.82
Std Dev 49.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

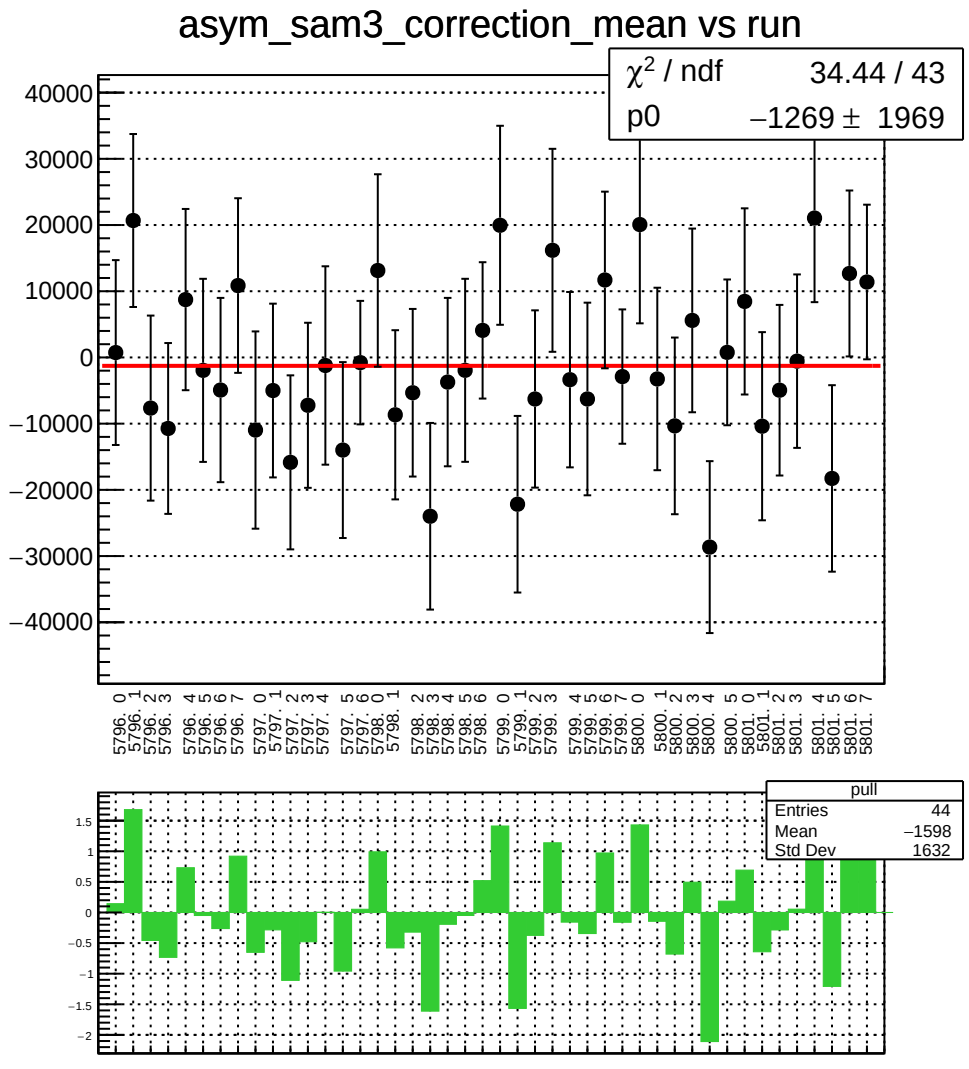

pull1D
Entries 44
Mean 0.006836
Std Dev 0.9437
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

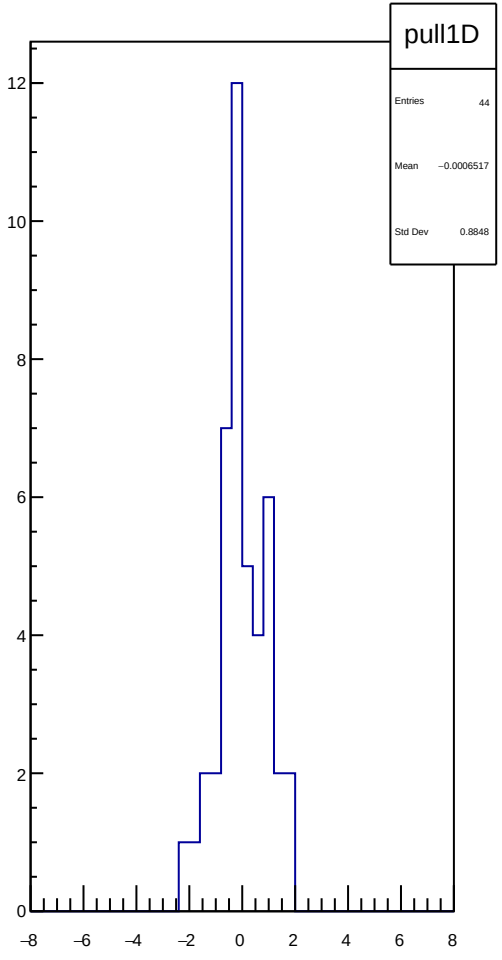

asym_sam2_rms vs run
χ^2 / ndf 520.6 / 43
p0 5443 ± 5.872
5900
5800
5700
5600
5500
5400
5300
5200
5100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

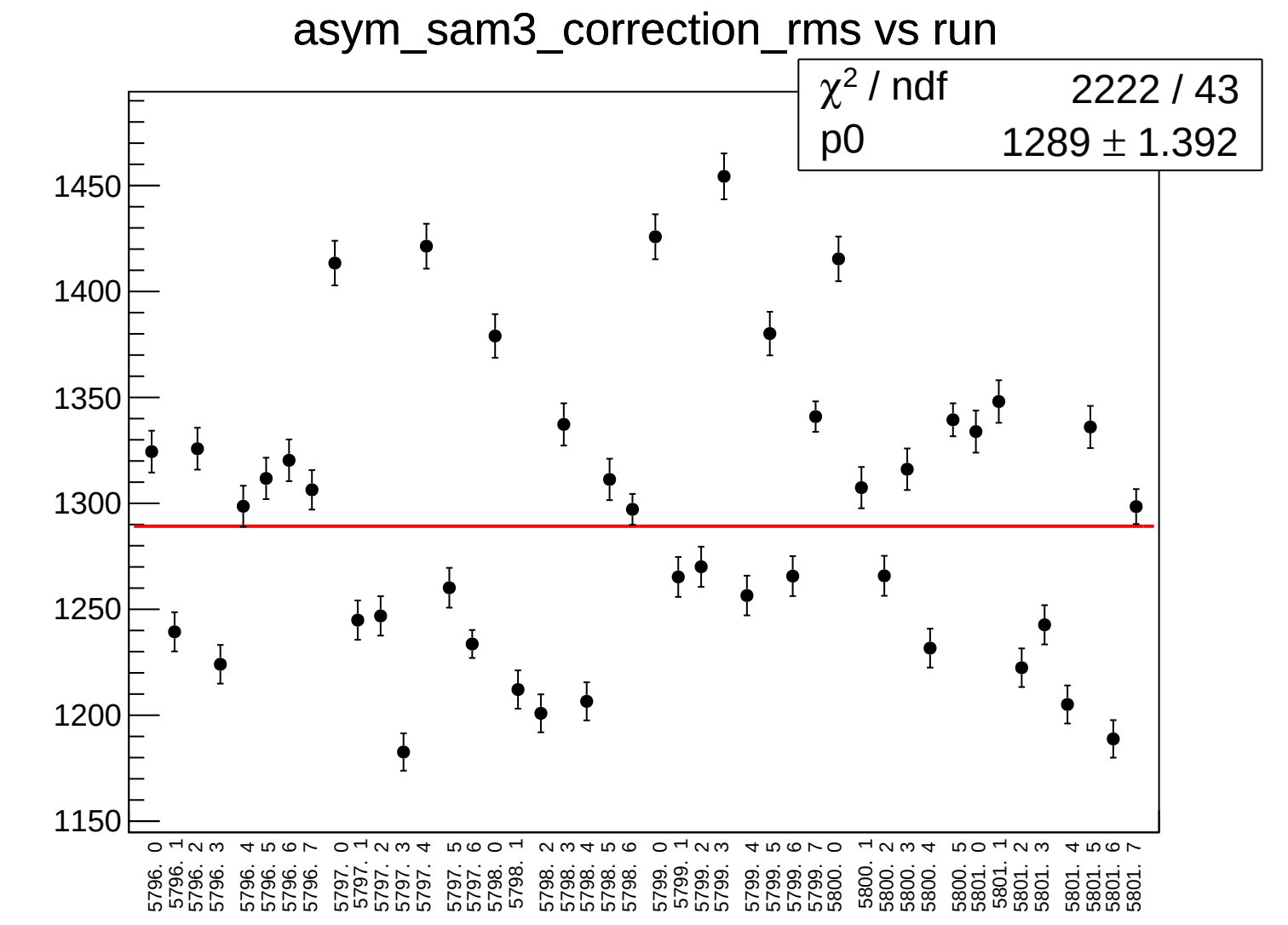

dit_asym_sam3_mean vs run
χ² / ndf 43.11 / 43
p0 −1.841± 160.6
pull
Entries 44
Mean 608.5
Std Dev 580.4

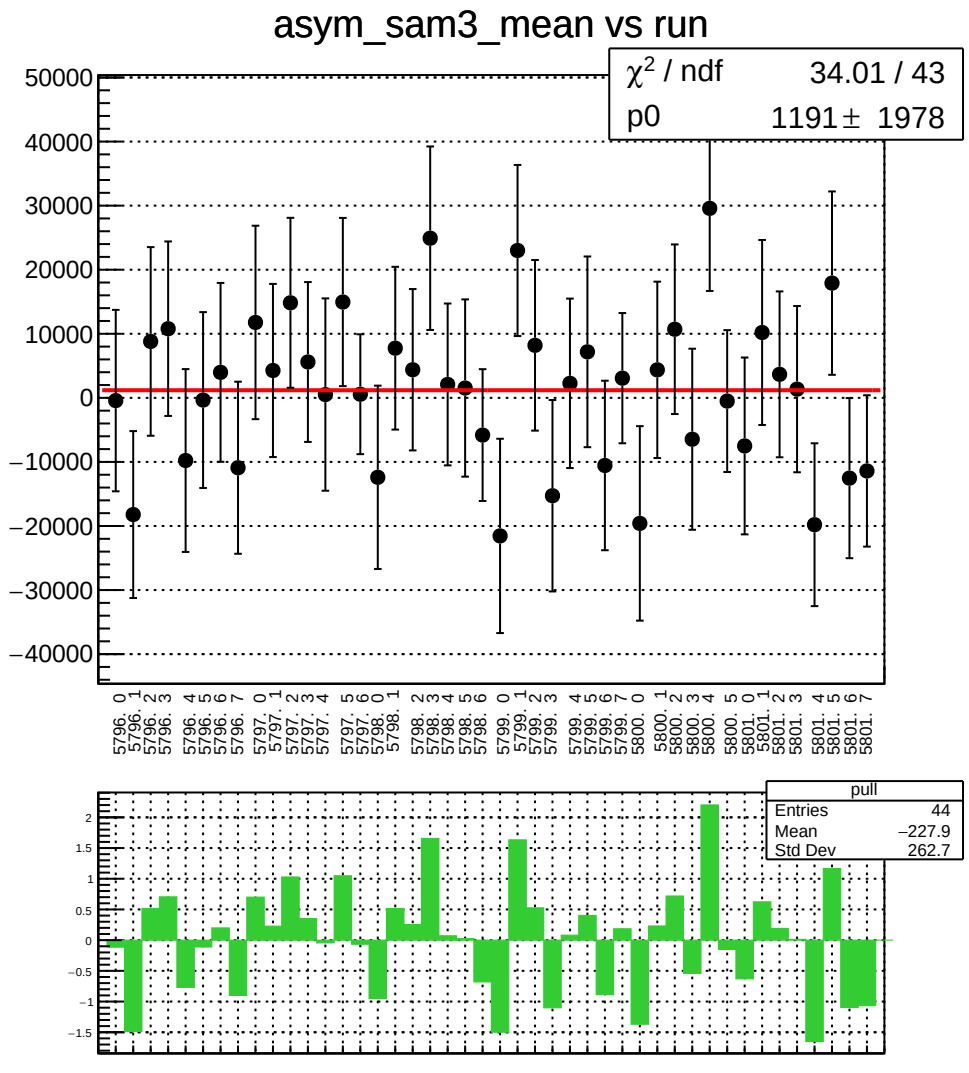

pull1D
Entries 44
Mean 0.0031
Std Dev 0.9898

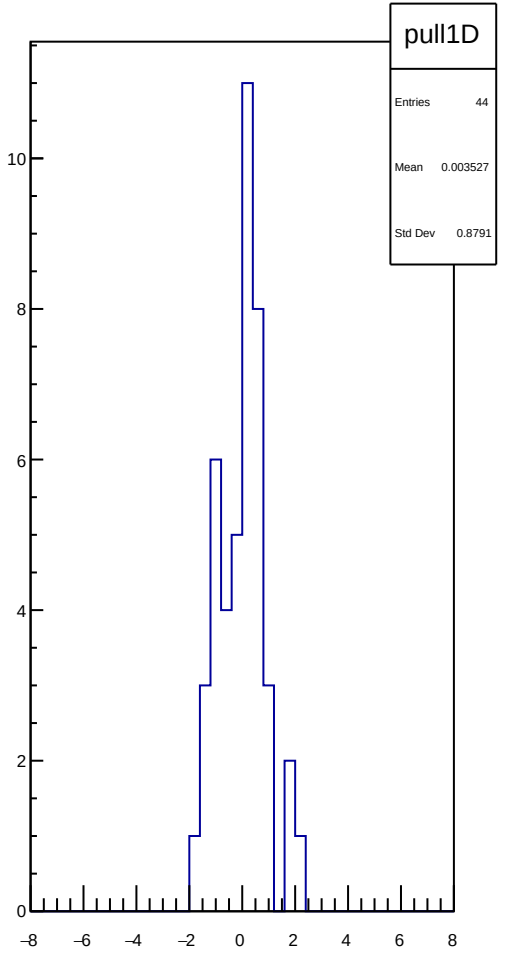

dit_asym_sam3_rms vs run
χ² / ndf 4596 / 43
p0 105 ± 0.1136
135
130
125
120
115
110
105
100
95
90
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

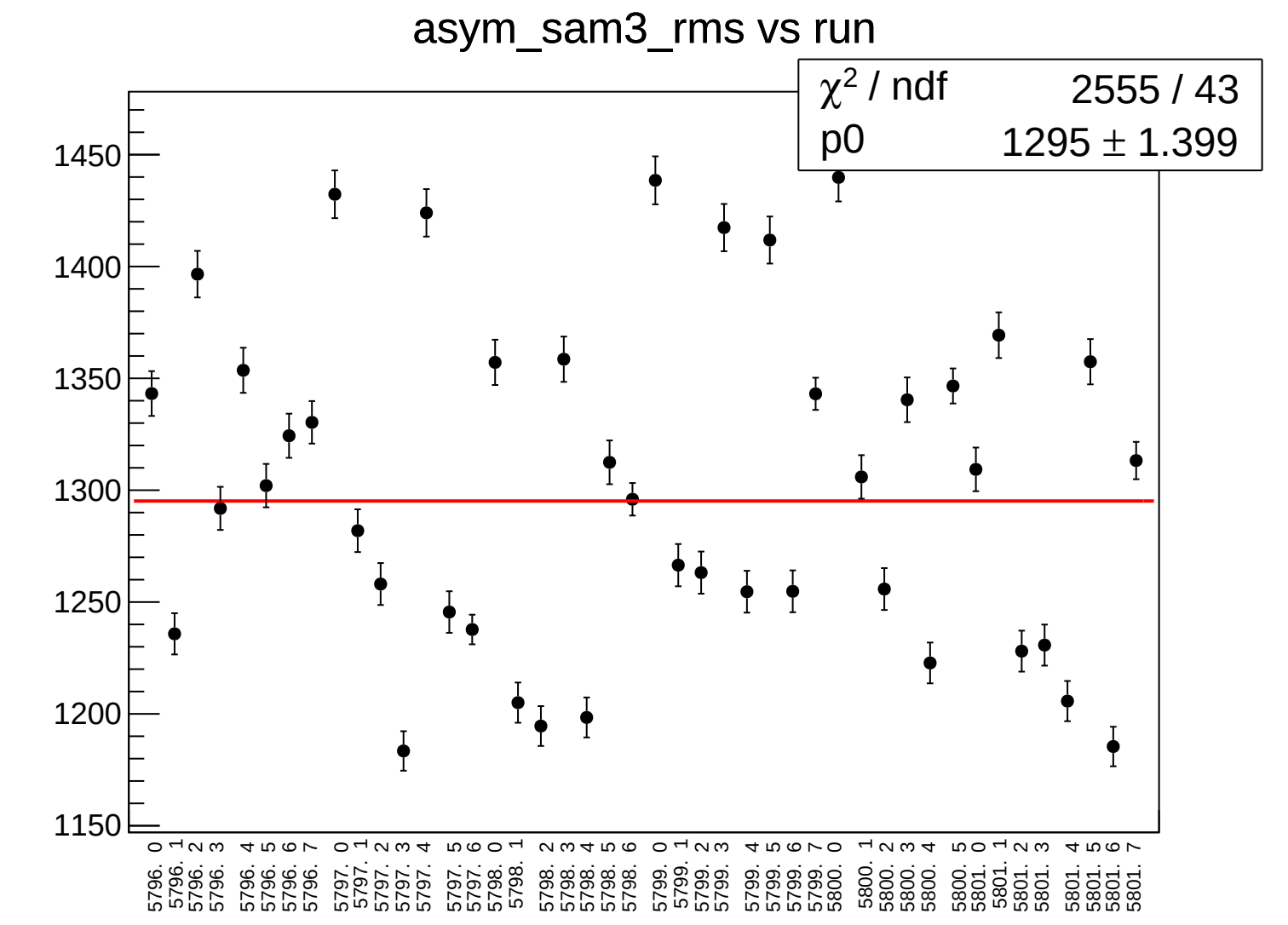

asym_sam3_correction_mean vs run
χ² / ndf 34.44 / 43
p0 −1269 ± 1969
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −1598
Std Dev 1632
1.5
1
0.5
0
−0.5
−1
−1.5
−2

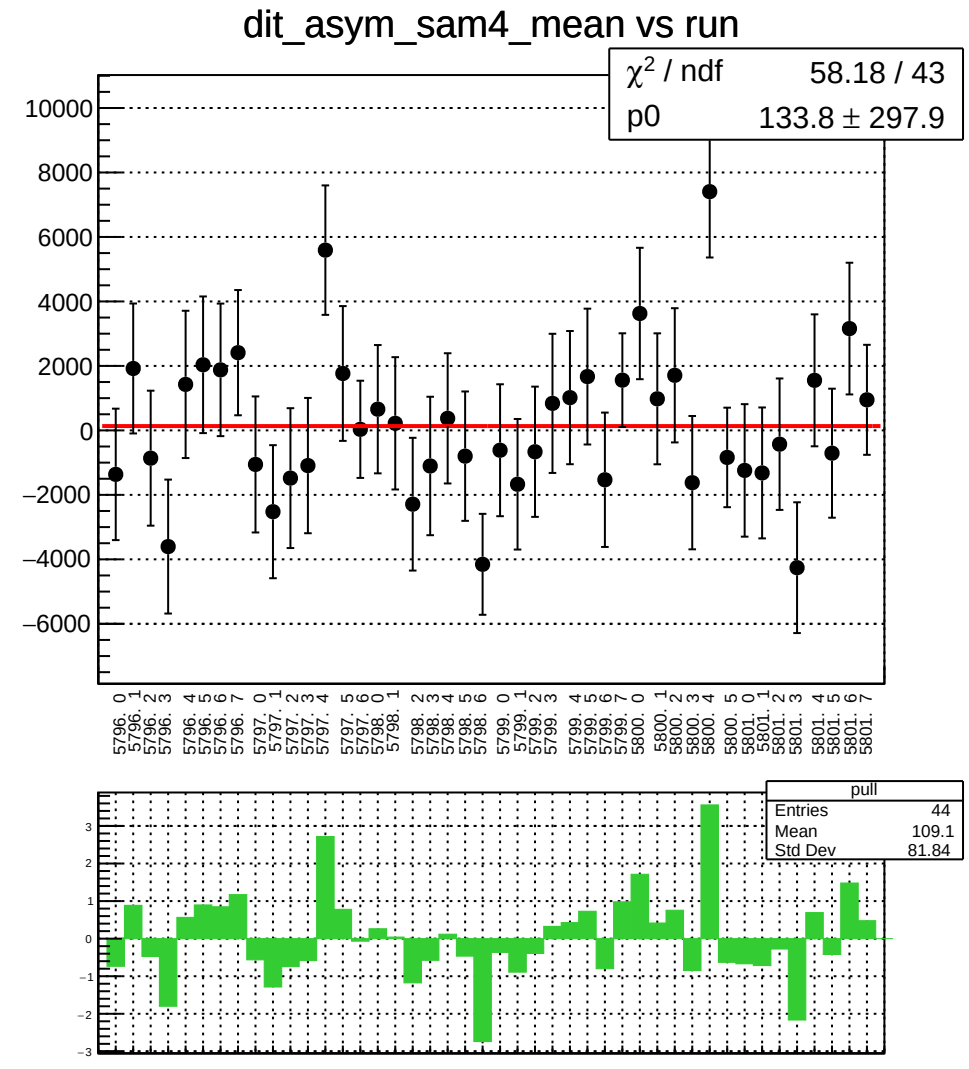

pull1D
Entries 44
Mean −0.0006517
Std Dev 0.8848
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

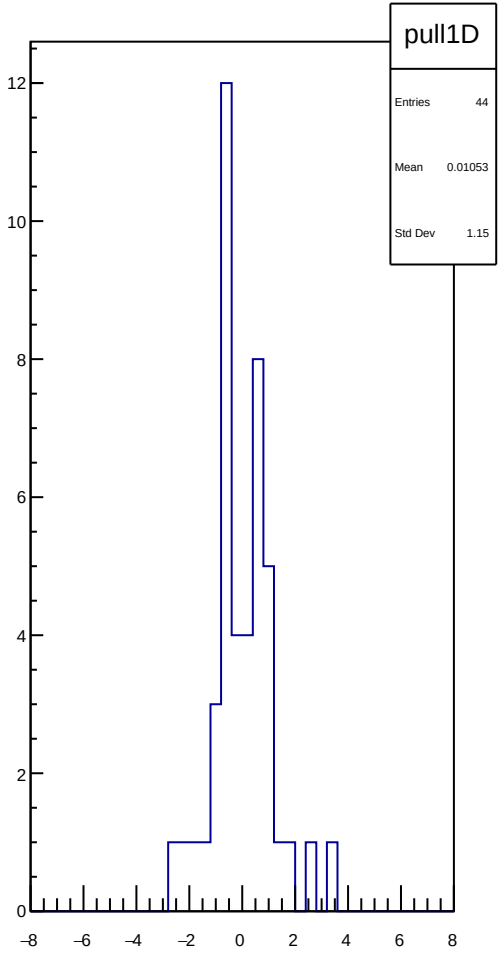

asym_sam3_correction_rms vs run
χ² / ndf 2222 / 43
p0 1289 ± 1.392
1450
1400
1350
1300
1250
1200
1150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

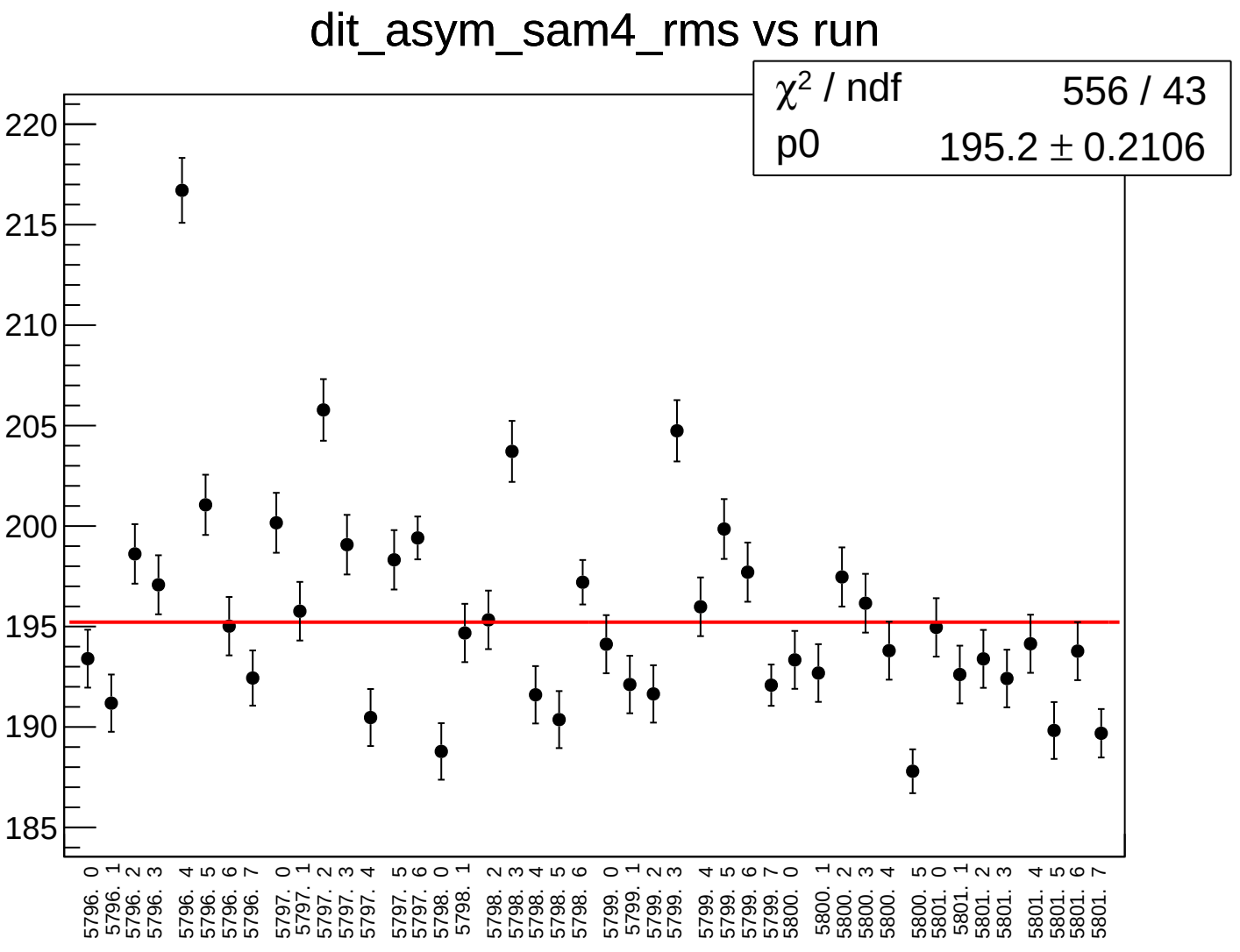

asym_sam3_mean vs run
χ² / ndf 34.01 / 43
p0 1191 ± 1978
pull
Entries 44
Mean −227.9
Std Dev 262.7

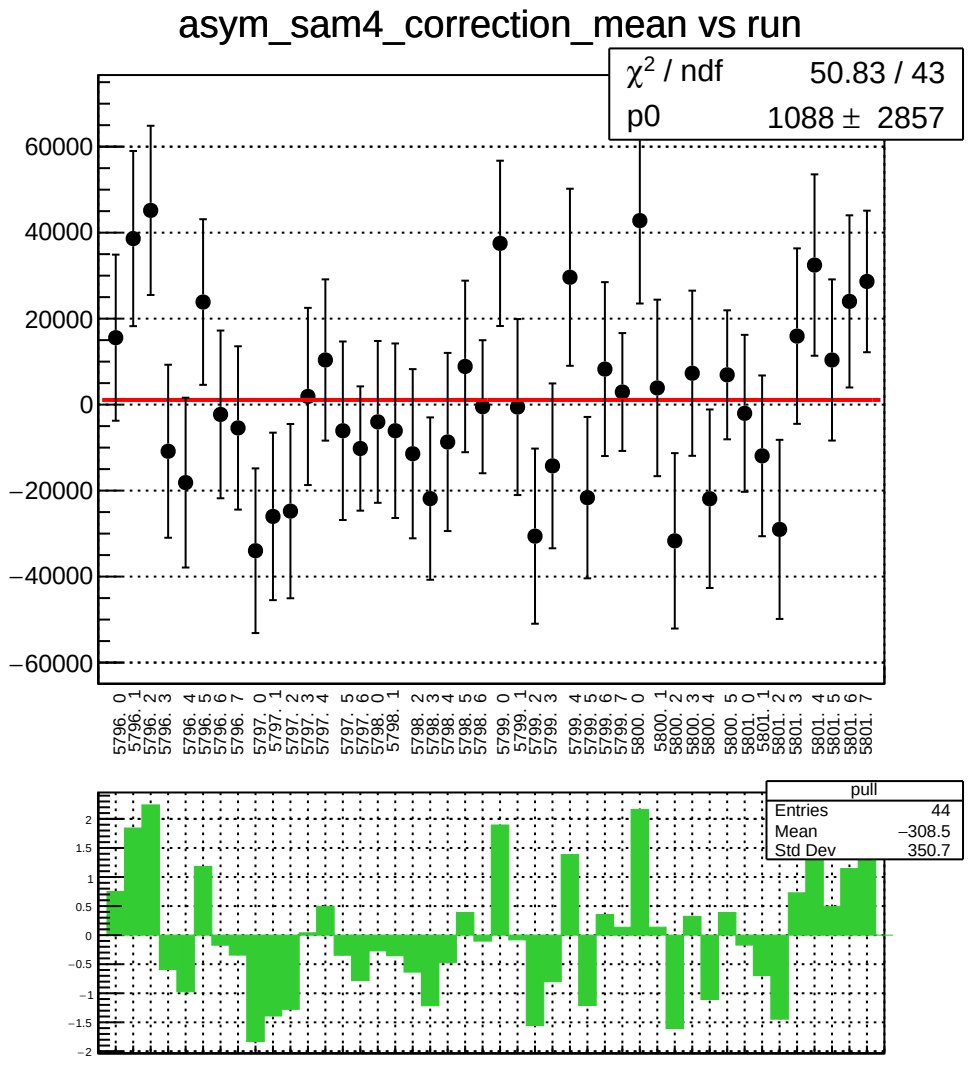

pull1D
Entries 44
Mean 0.003527
Std Dev 0.8791

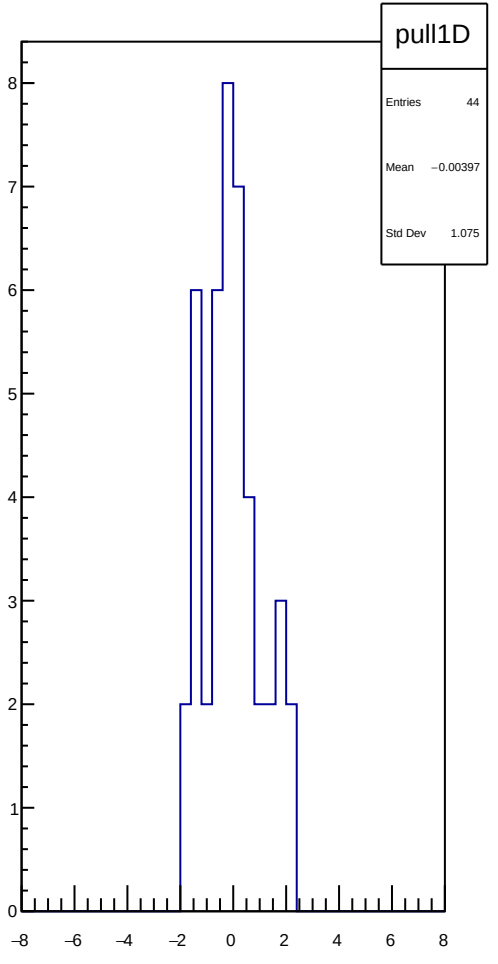

asym_sam3_rms vs run
χ² / ndf 2555 / 43
p0 1295 ± 1.399
1450
1400
1350
1300
1250
1200
1150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

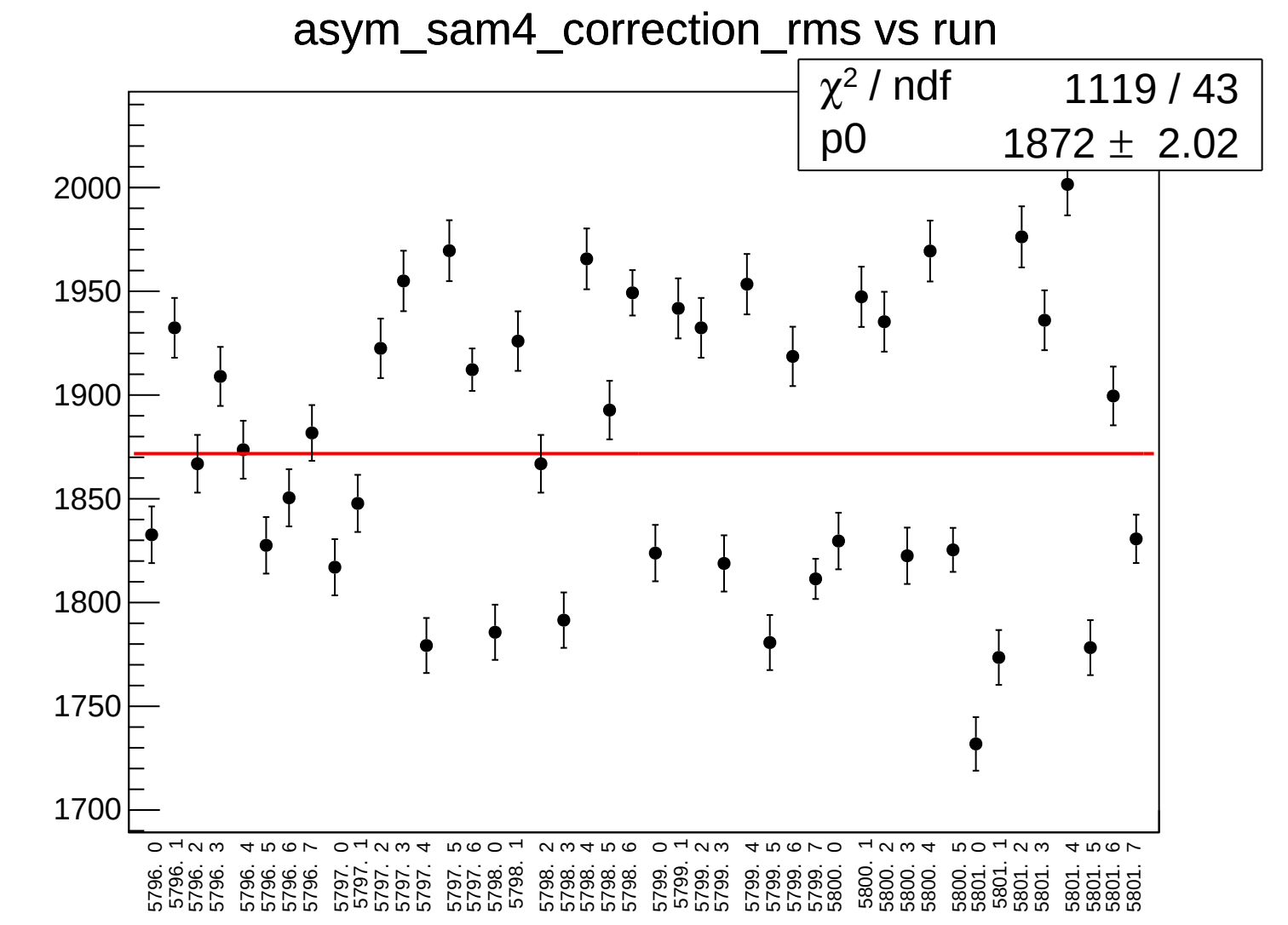

dit_asym_sam4_mean vs run
χ^2 / ndf 58.18 / 43
p0 133.8 ± 297.9
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 109.1
Std Dev 81.84
3
2
1
0
−1
−2
−3

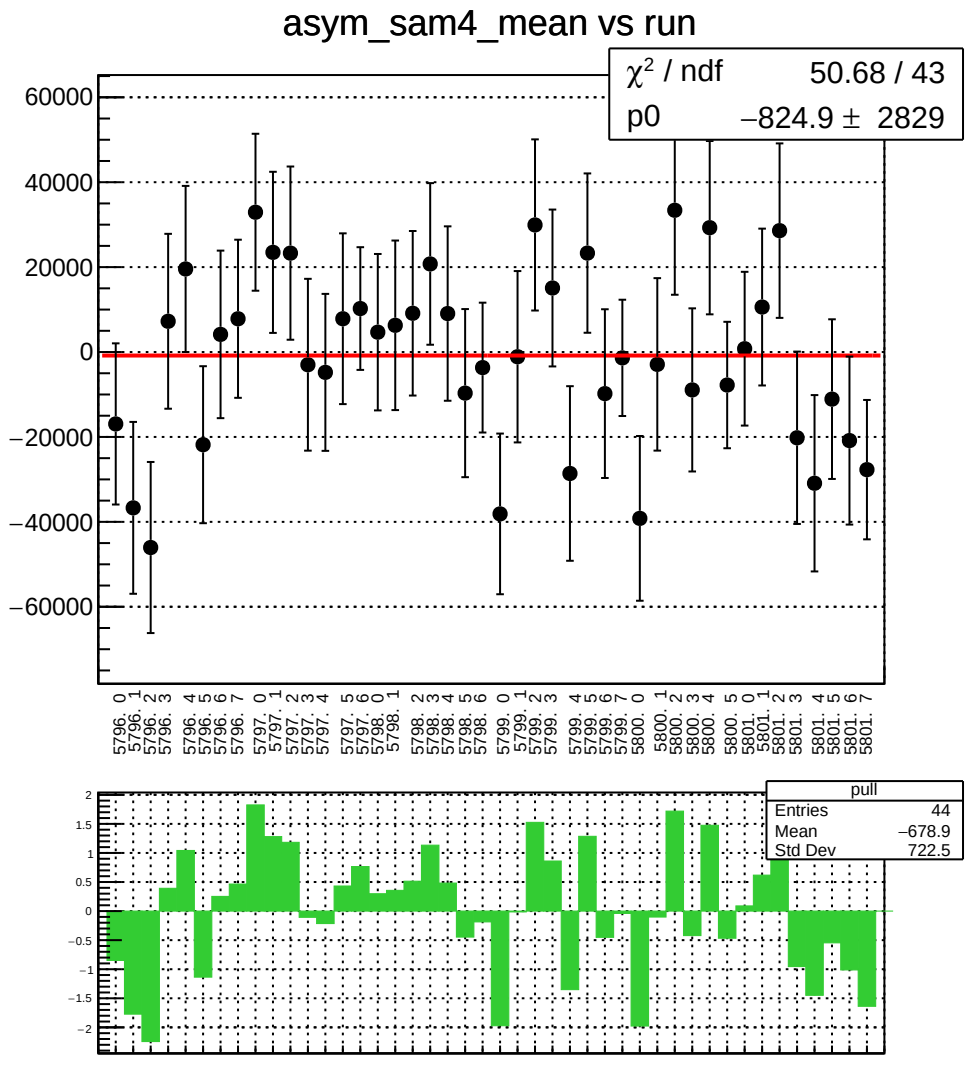

pull1D
Entries 44
Mean 0.01053
Std Dev 1.15
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

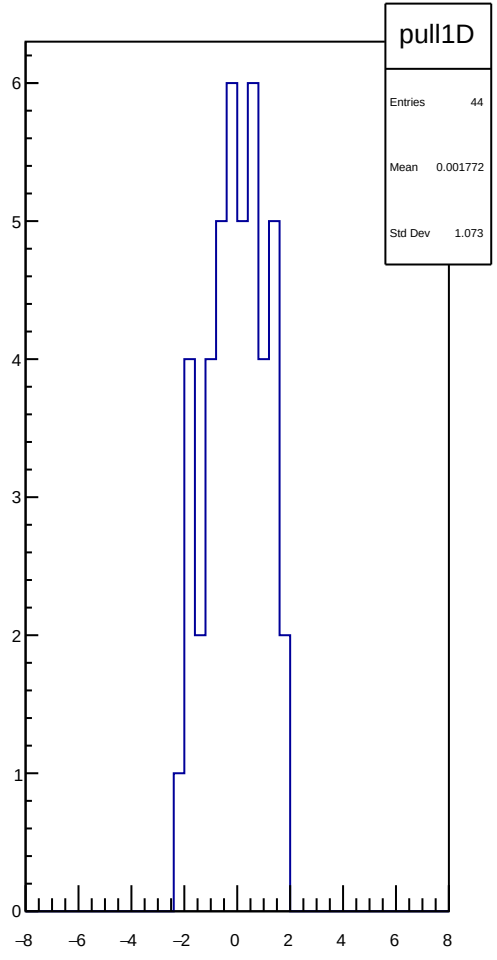

dit_asym_sam4_rms vs run
χ² / ndf 556 / 43
p0 195.2 ± 0.2106
220
215
210
205
200
195
190
185
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

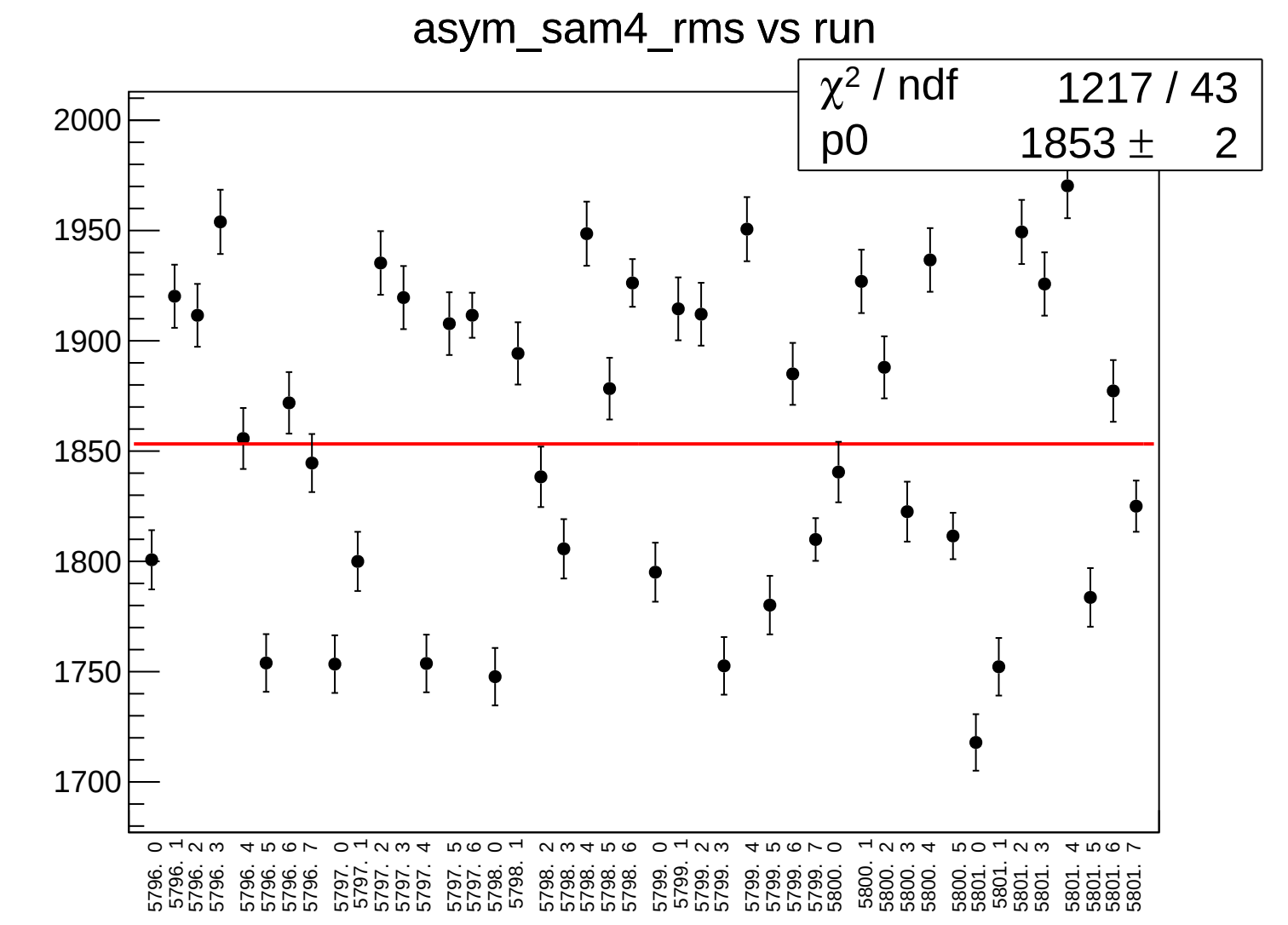

asym_sam4_correction_mean vs run
χ² / ndf 50.83 / 43
p0 1088 ± 2857
pull
Entries 44
Mean −308.5
Std Dev 350.7

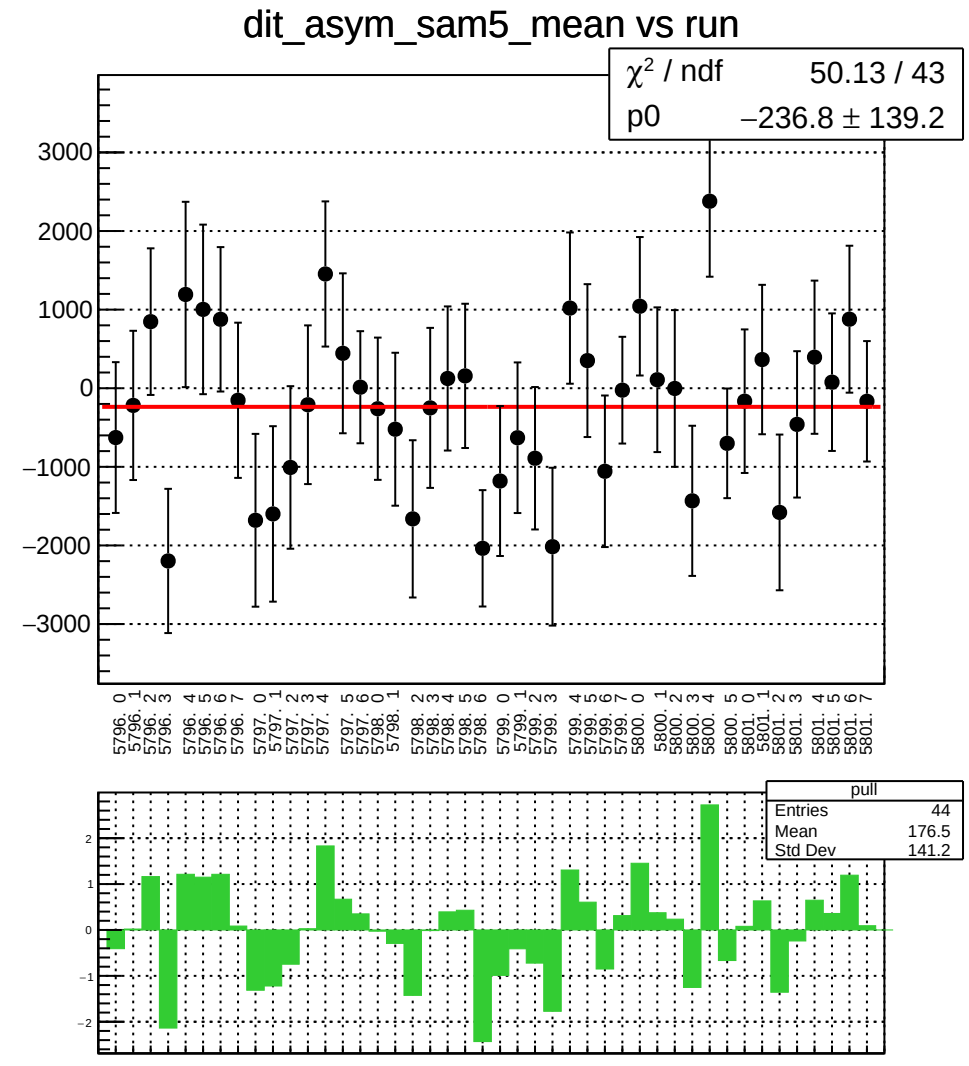

pull1D
Entries 44
Mean −0.00397
Std Dev 1.075

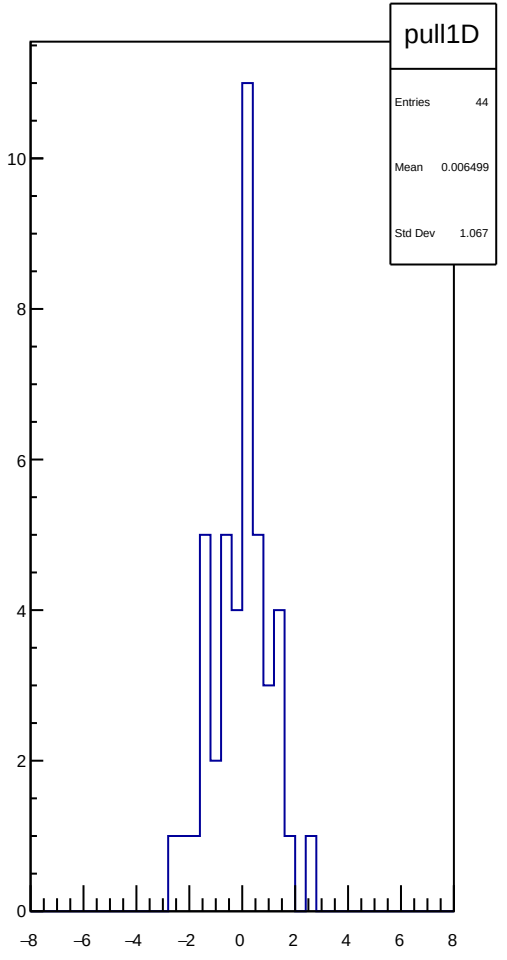

asym_sam4_correction_rms vs run
χ² / ndf 1119 / 43
p0 1872 ± 2.02
2000
1950
1900
1850
1800
1750
1700
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

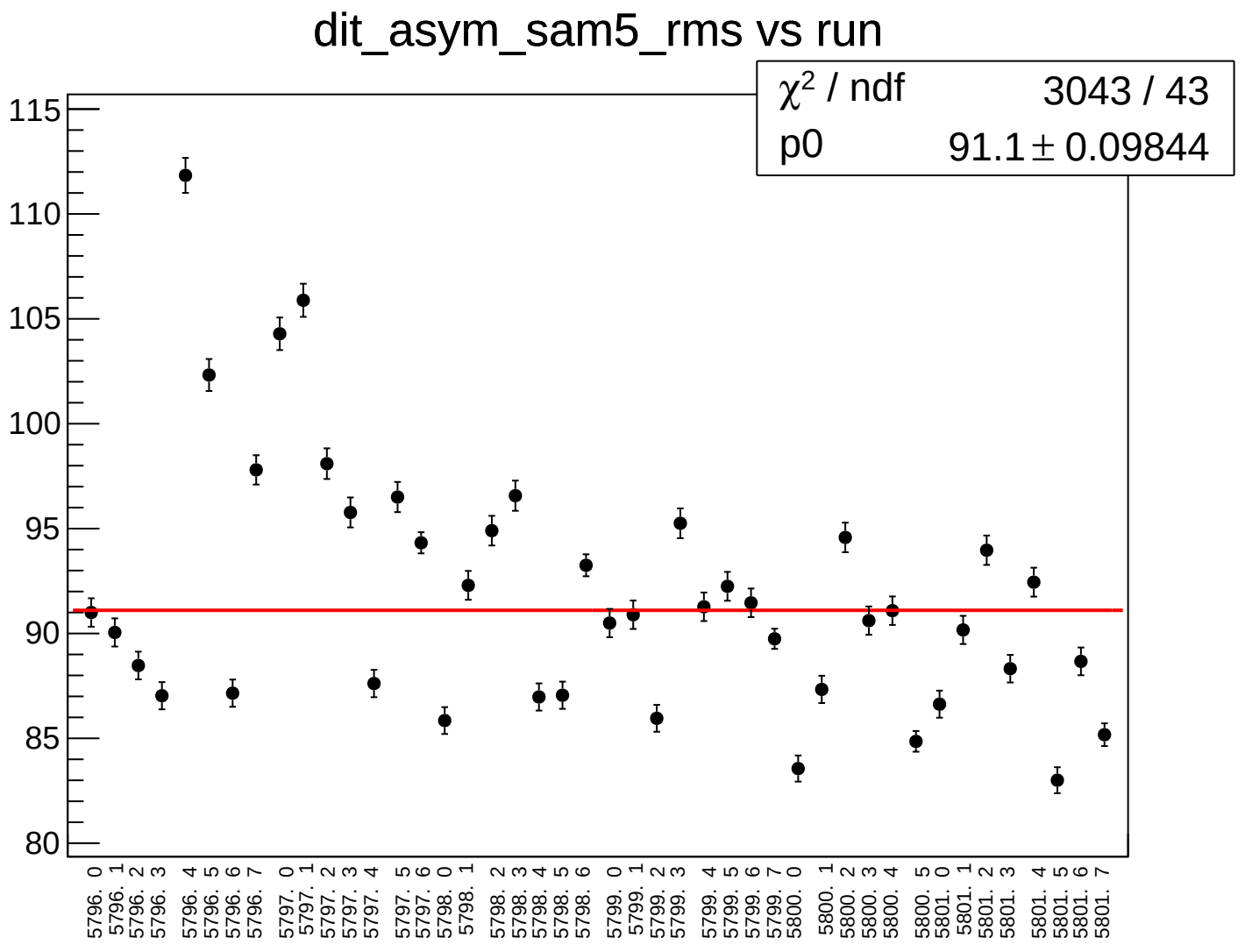

asym_sam4_mean vs run
χ² / ndf 50.68 / 43
p0 −824.9 ± 2829
60000
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −678.9
Std Dev 722.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

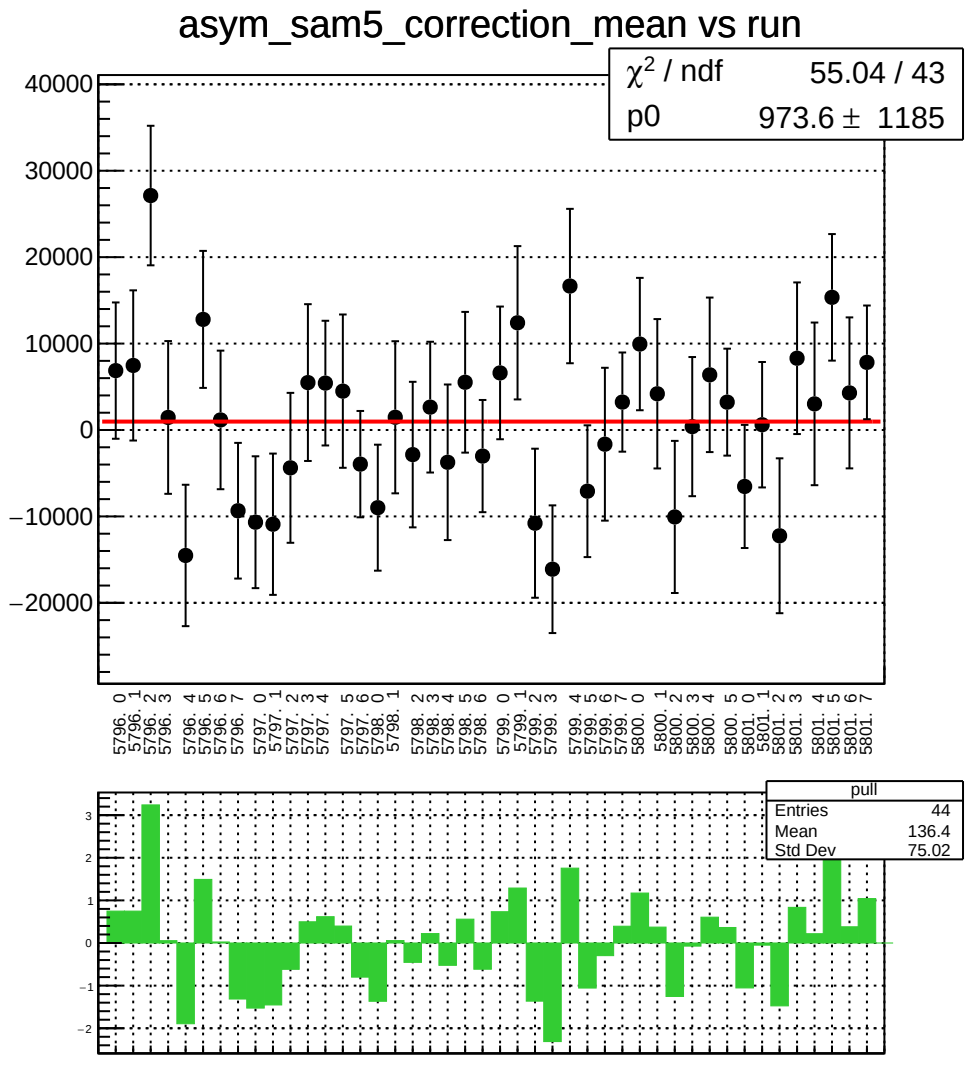

pull1D
Entries 44
Mean 0.001772
Std Dev 1.073
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

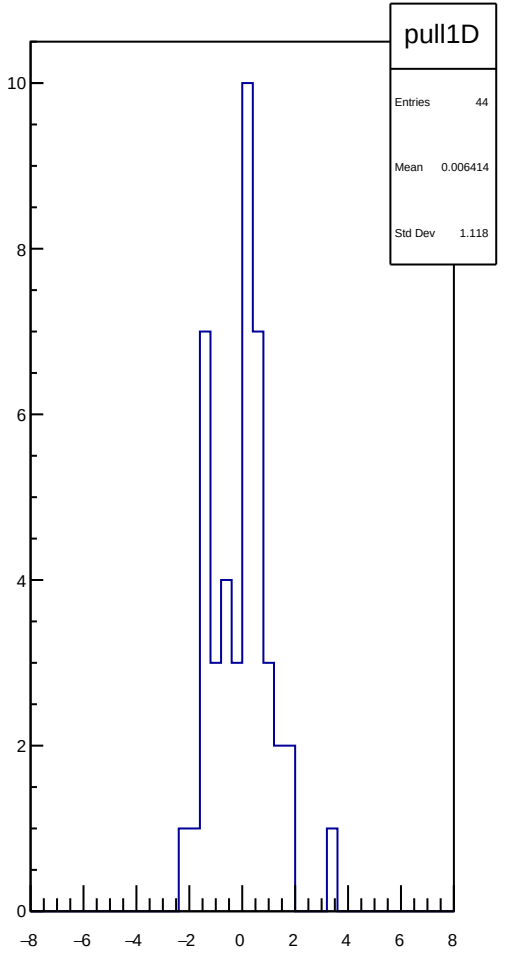

asym_sam4_rms vs run
χ² / ndf 1217 / 43
p0 1853 ± 2
2000
1950
1900
1850
1800
1750
1700
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

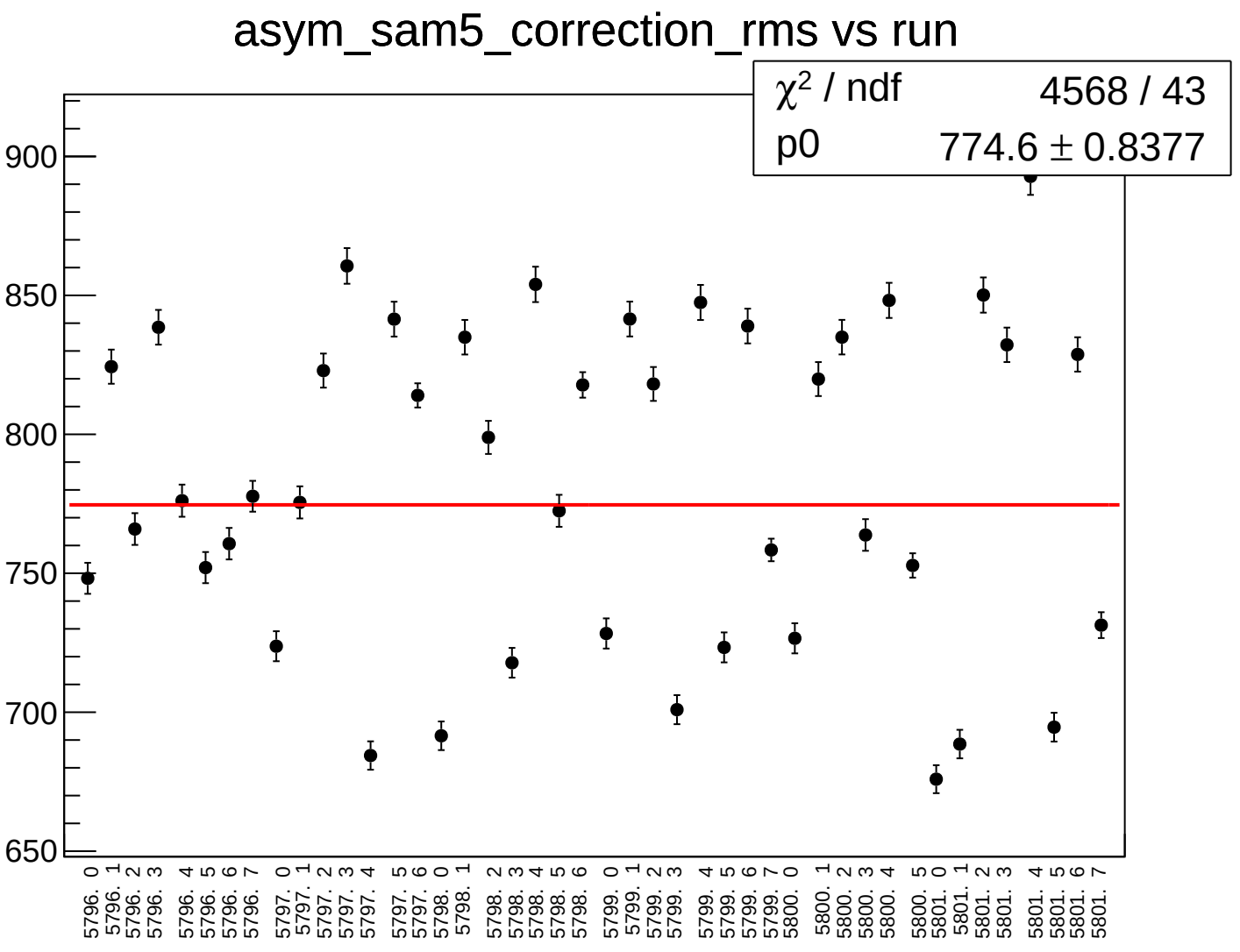

dit_asym_sam5_mean vs run
χ² / ndf 50.13 / 43
p0 −236.8 ± 139.2
3000
2000
1000
0
−1000
−2000
−3000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 176.5
Std Dev 141.2
2
1
0
−1
−2

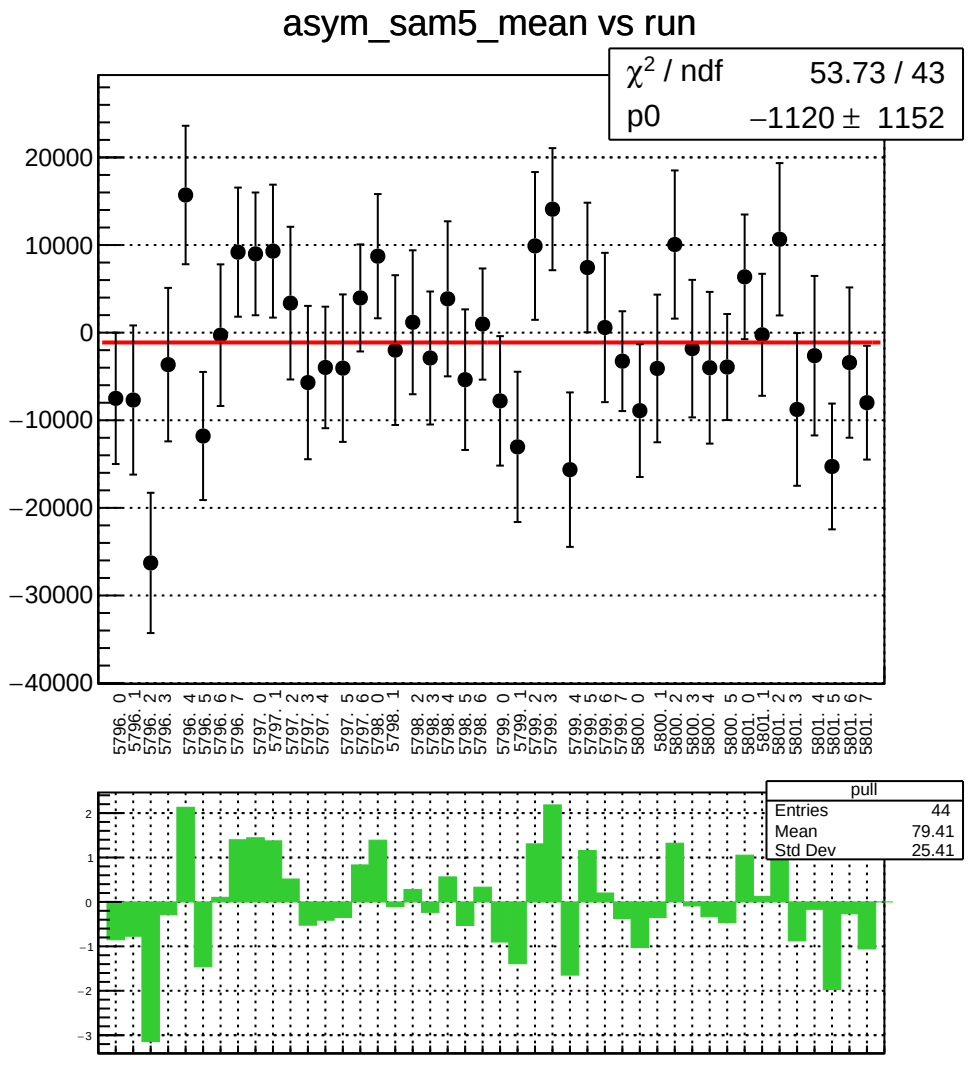

pull1D
Entries 44
Mean 0.006499
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

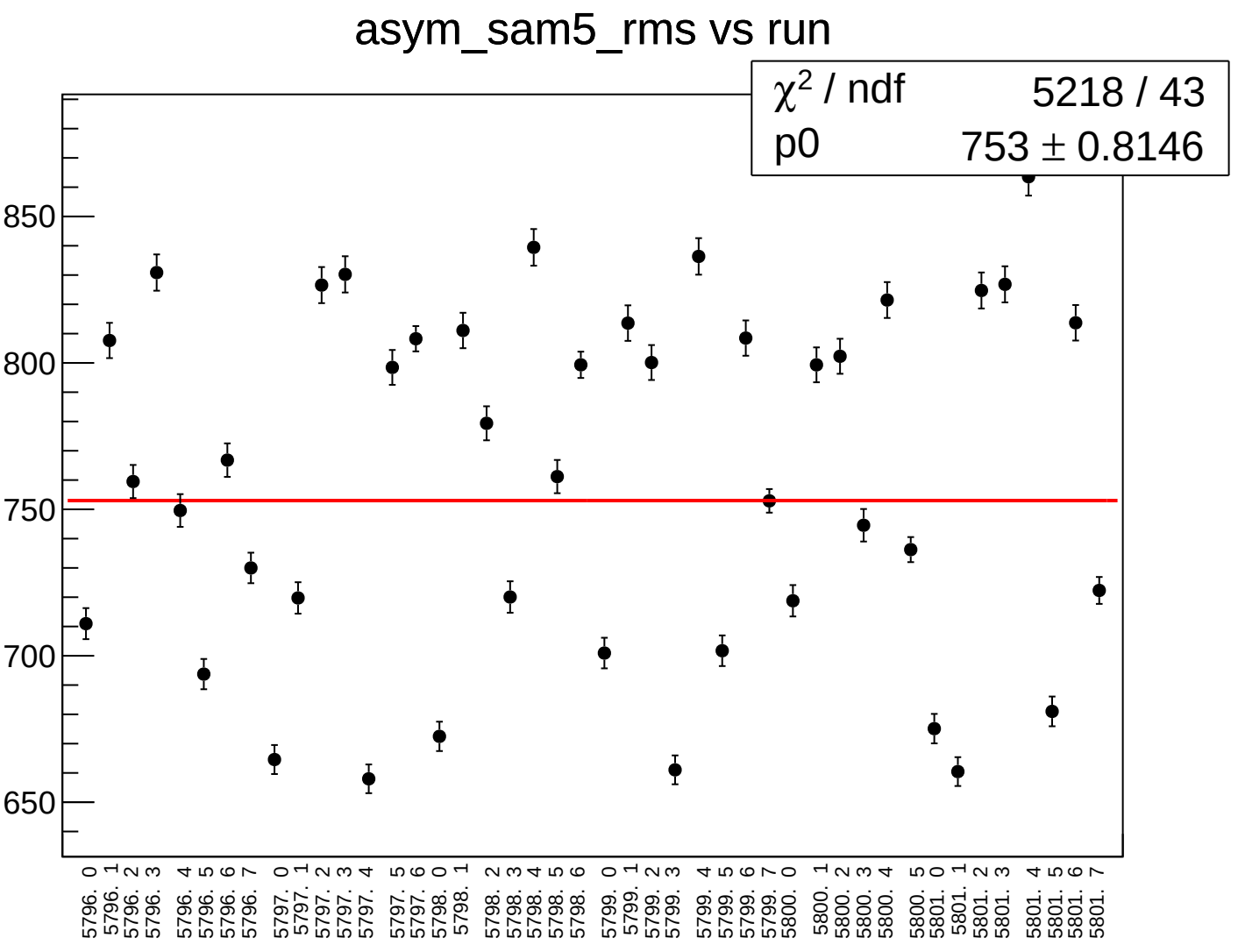

dit_asym_sam5_rms vs run
χ² / ndf 3043 / 43
p0 91.1 ± 0.09844
115
110
105
100
95
90
85
80
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

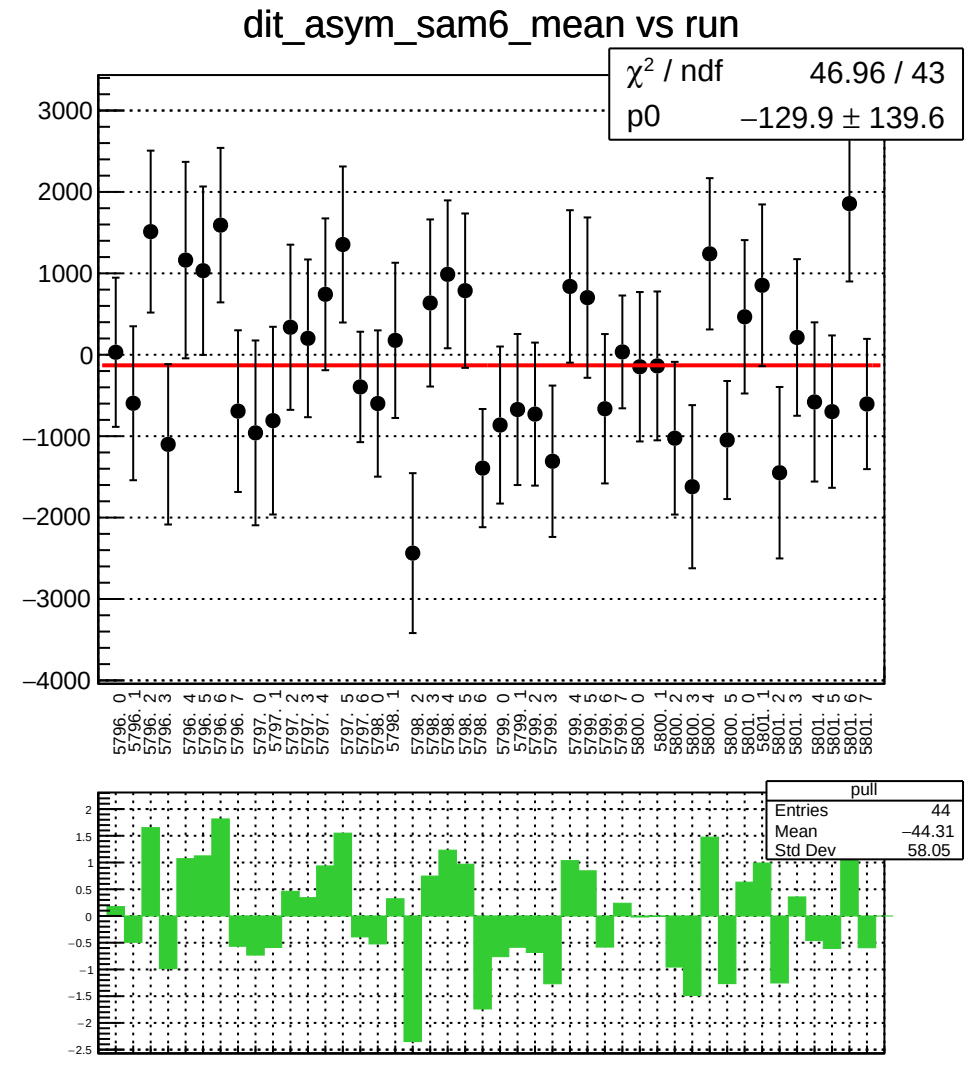

asym_sam5_correction_mean vs run
χ² / ndf 55.04 / 43
p0 973.6 ± 1185
40000
30000
20000
10000
0
−10000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 136.4
Std Dev 75.02
3
2
1
0
−1
−2

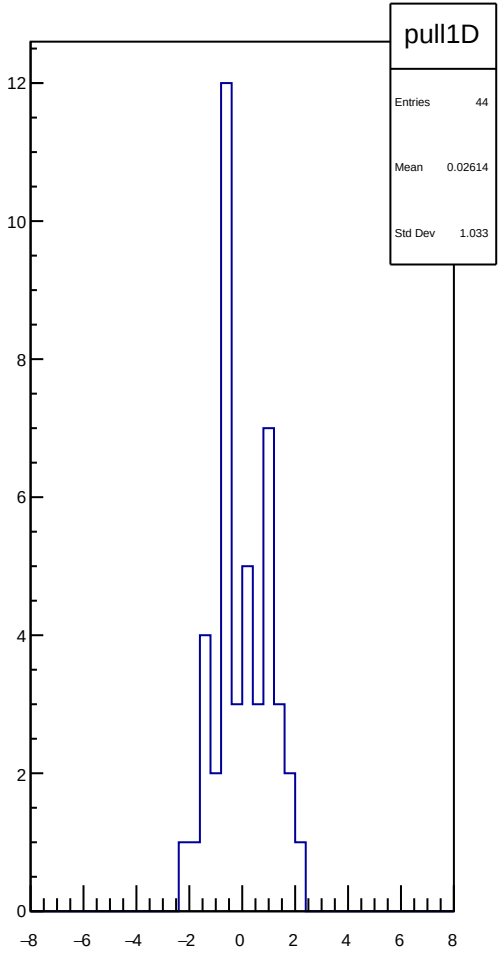

pull1D
Entries 44
Mean 0.006414
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

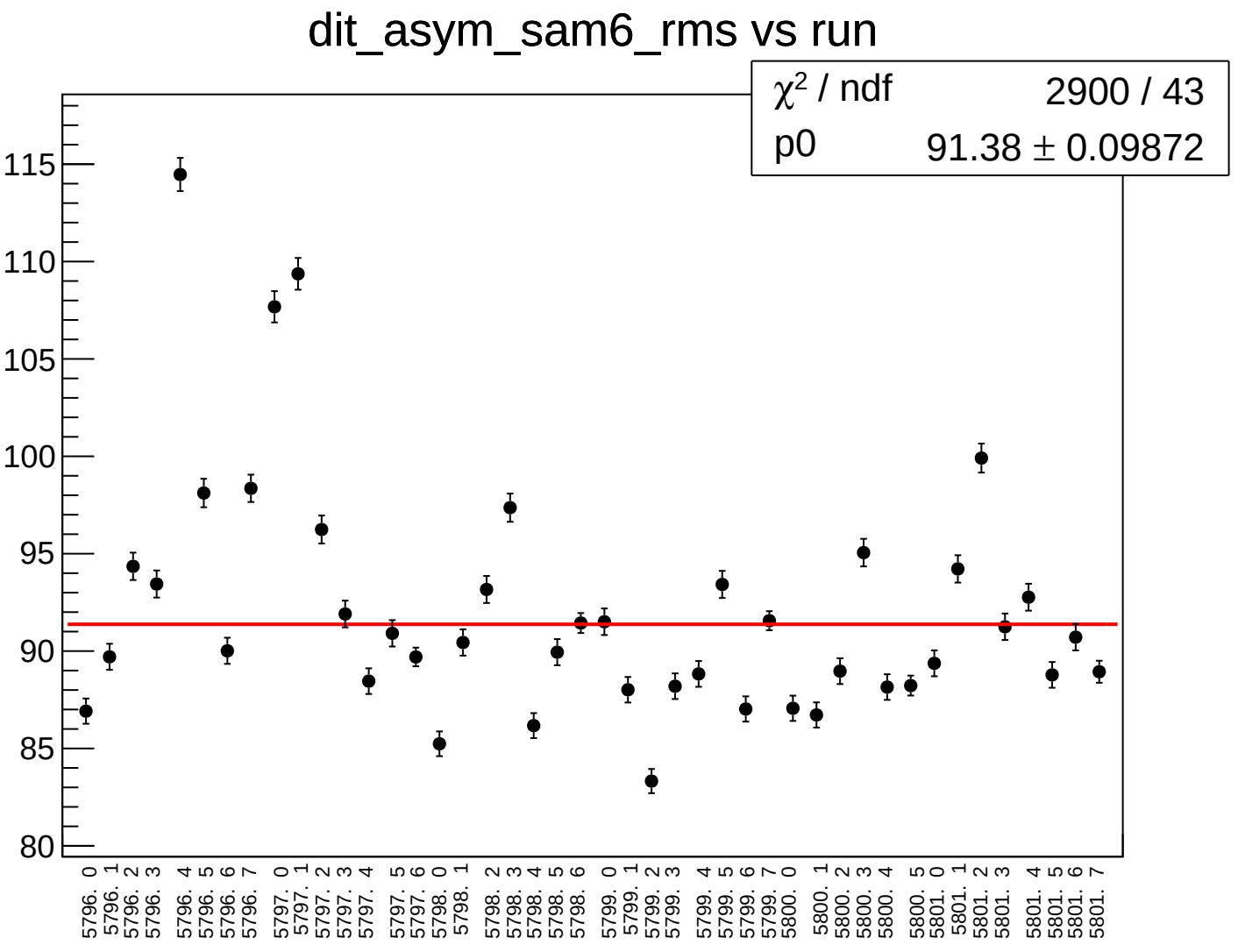

asym_sam5_correction_rms vs run
χ² / ndf 4568 / 43
p0 774.6 ± 0.8377
900
850
800
750
700
650
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

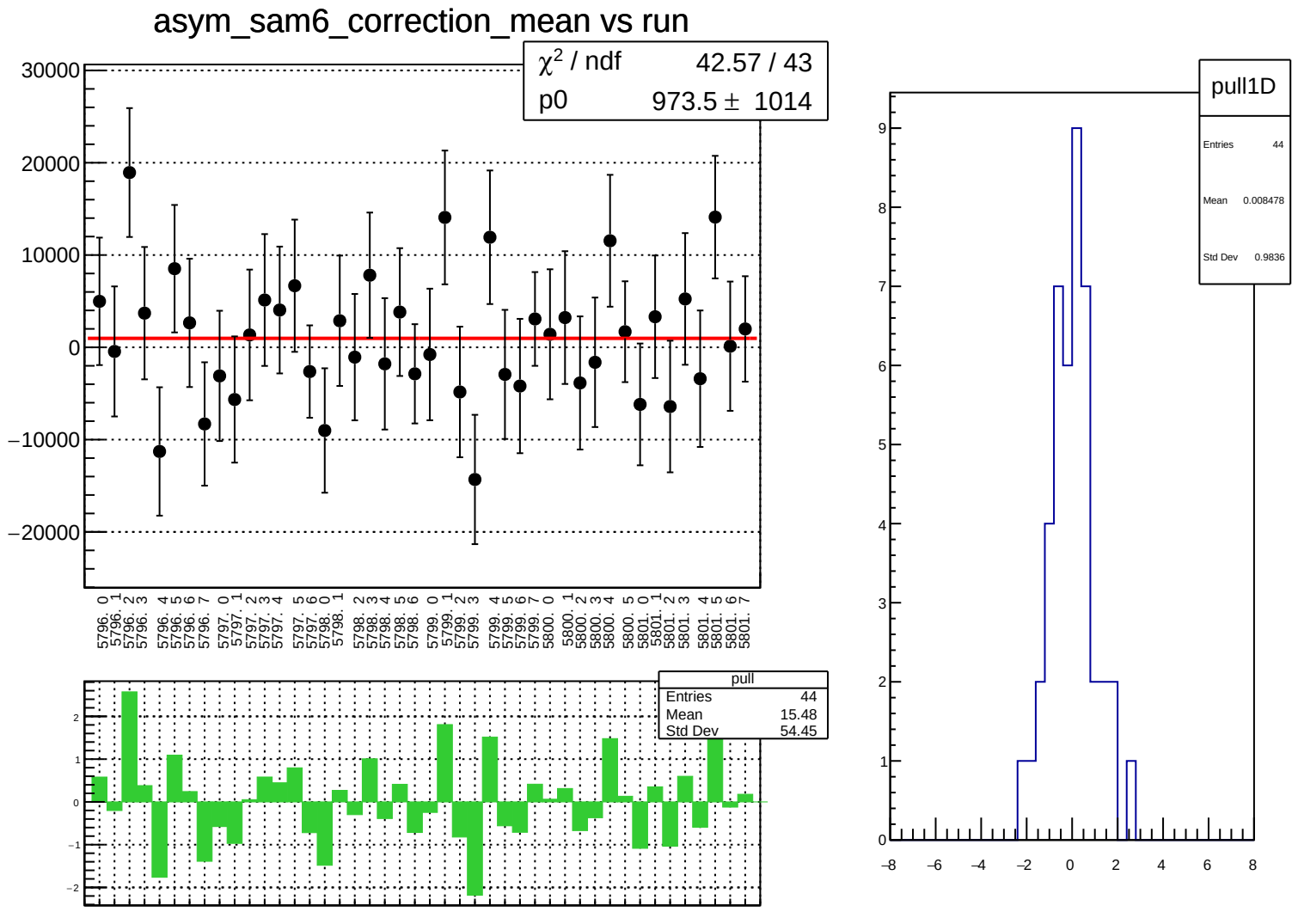

asym_sam5_mean vs run
χ² / ndf 53.73 / 43
p0 −1120 ± 1152
20000
10000
0
−10000
−20000
−30000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 79.41
Std Dev 25.41
2
1
0
−1
−2
−3
pull1D
Entries 44
Mean −0.01181
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

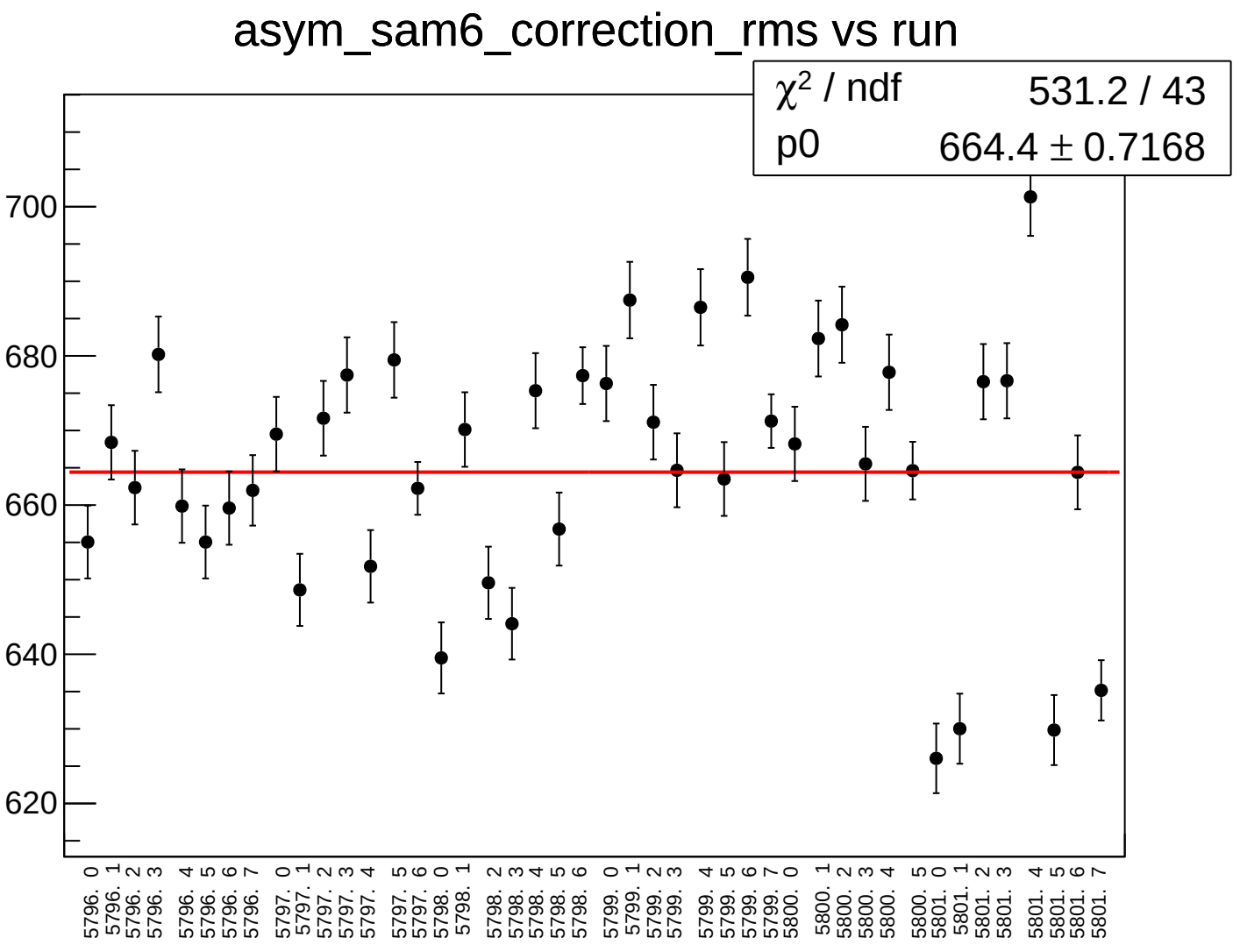

asym_sam5_rms vs run
χ² / ndf 5218 / 43
p0 753 ± 0.8146
850
800
750
700
650
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

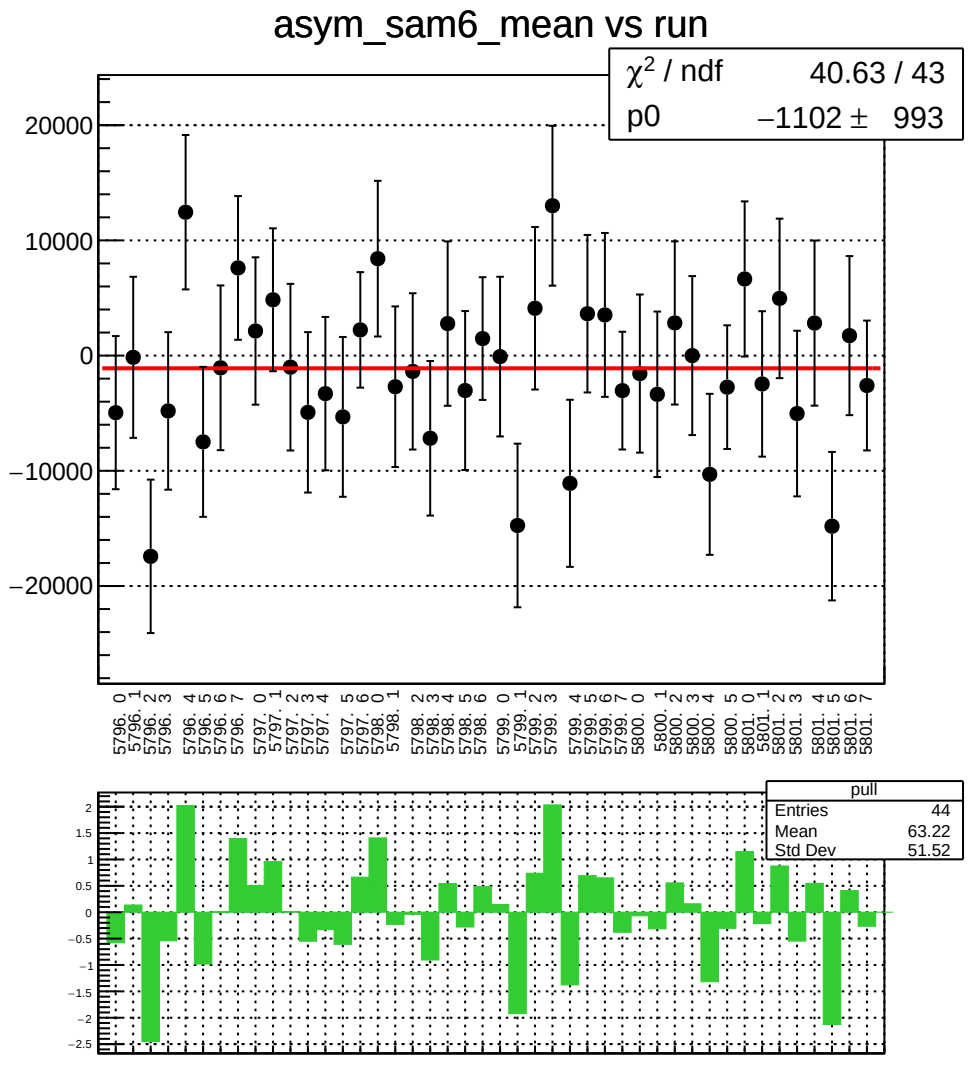

dit_asym_sam6_mean vs run
χ² / ndf 46.96 / 43
p0 −129.9 ± 139.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −44.31
Std Dev 58.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

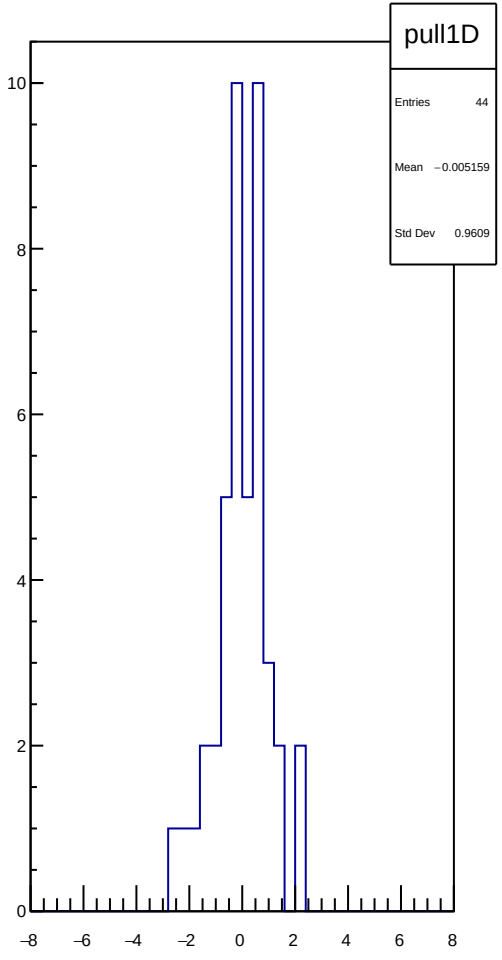

pull1D
Entries 44
Mean 0.02614
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

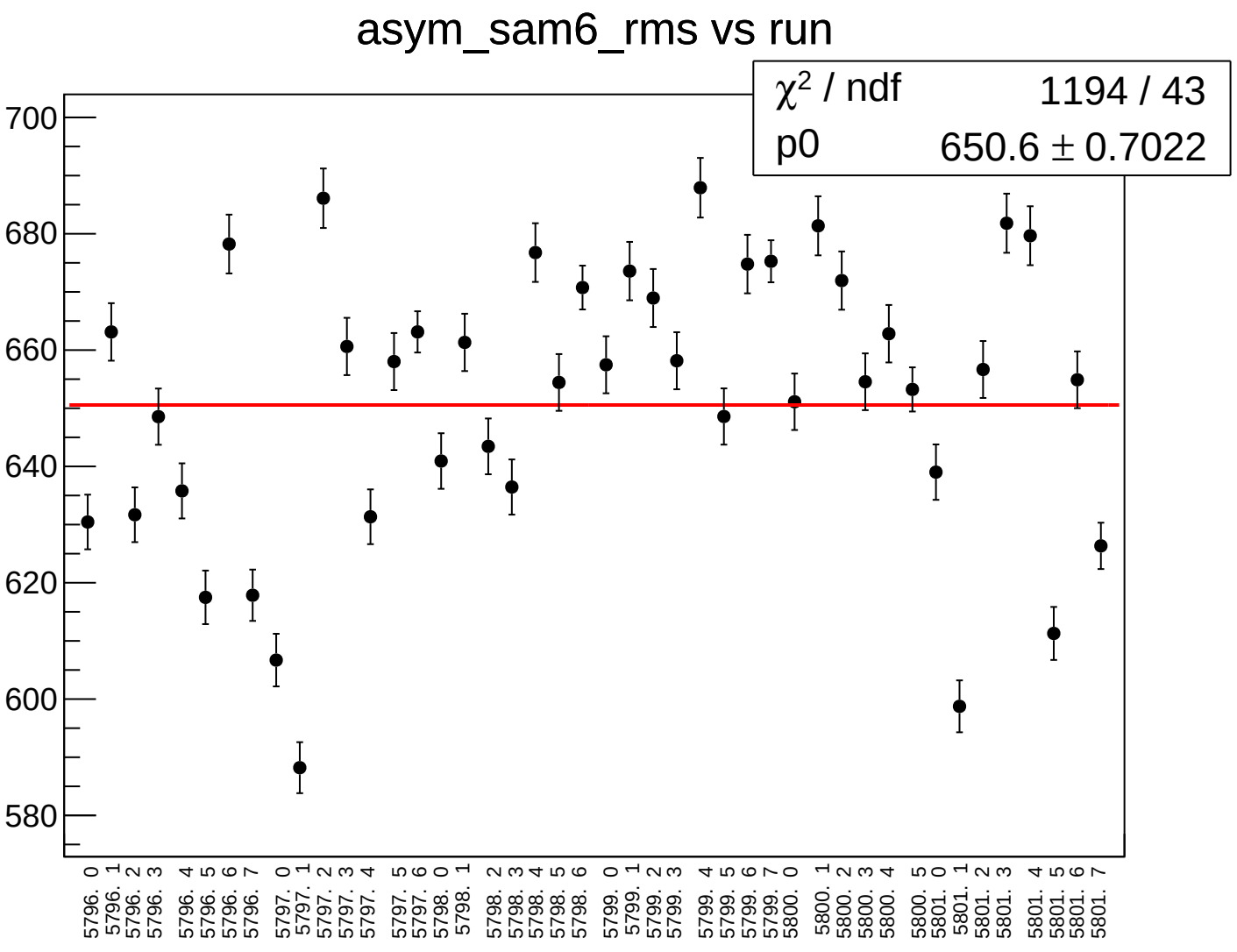

dit_asym_sam6_rms vs run
χ² / ndf 2900 / 43
p0 91.38 ± 0.09872
115
110
105
100
95
90
85
80
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

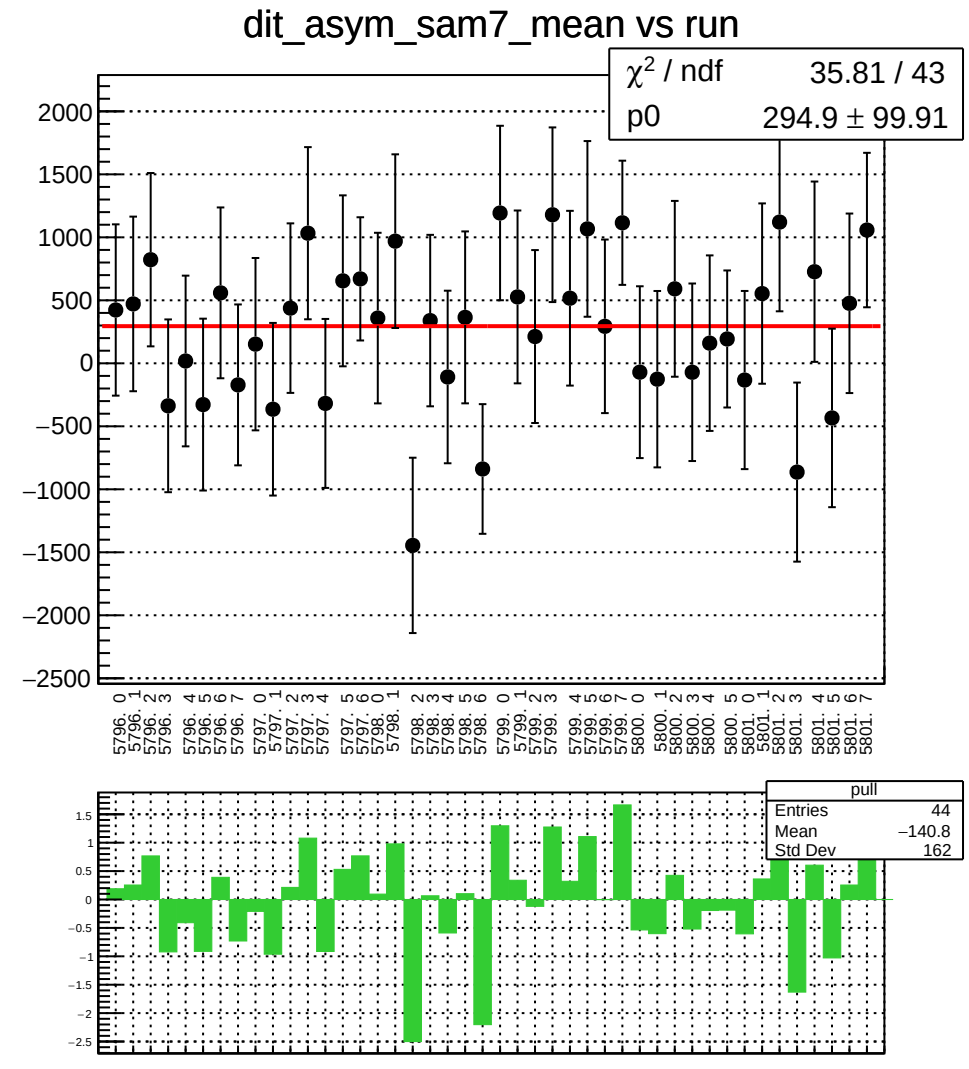

asym_sam6_correction_mean vs run
χ² / ndf 42.57 / 43
p0 973.5 ± 1014
30000
20000
10000
0
−10000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 15.48
Std Dev 54.45
2
1
0
−1
−2
pull1D
Entries 44
Mean 0.008478
Std Dev 0.9836
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

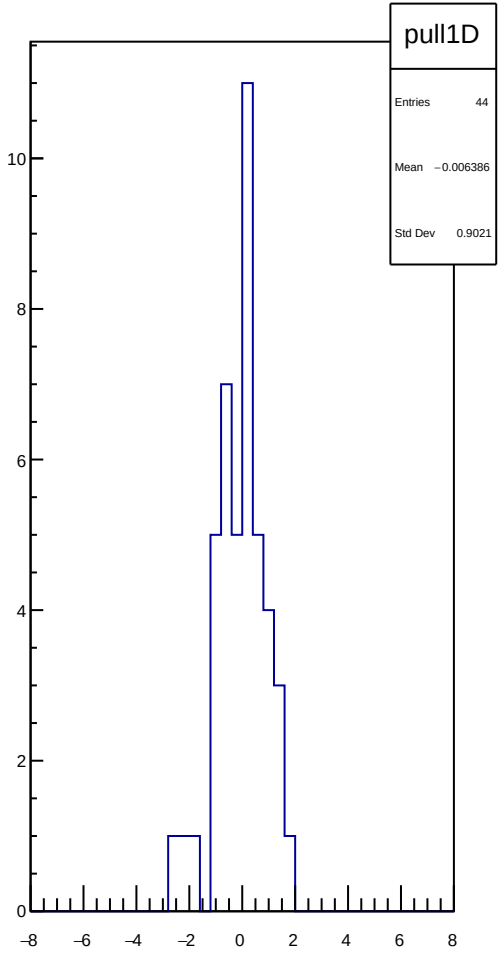

asym_sam6_correction_rms vs run
χ² / ndf 531.2 / 43
p0 664.4 ± 0.7168
700
680
660
640
620
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

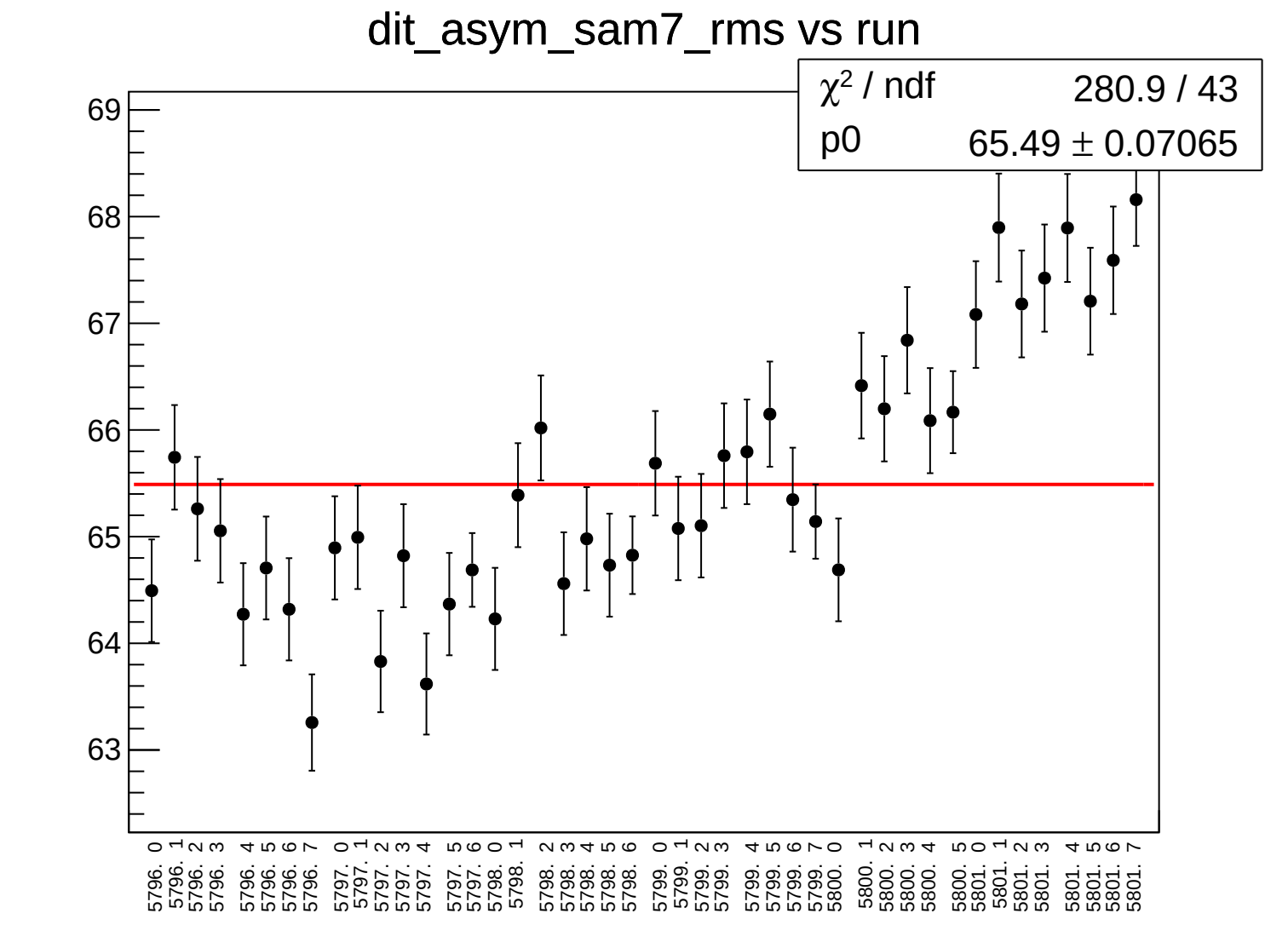

asym_sam6_mean vs run
χ² / ndf 40.63 / 43
p0 −1102 ± 993
20000
10000
0
−10000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 63.22
Std Dev 51.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

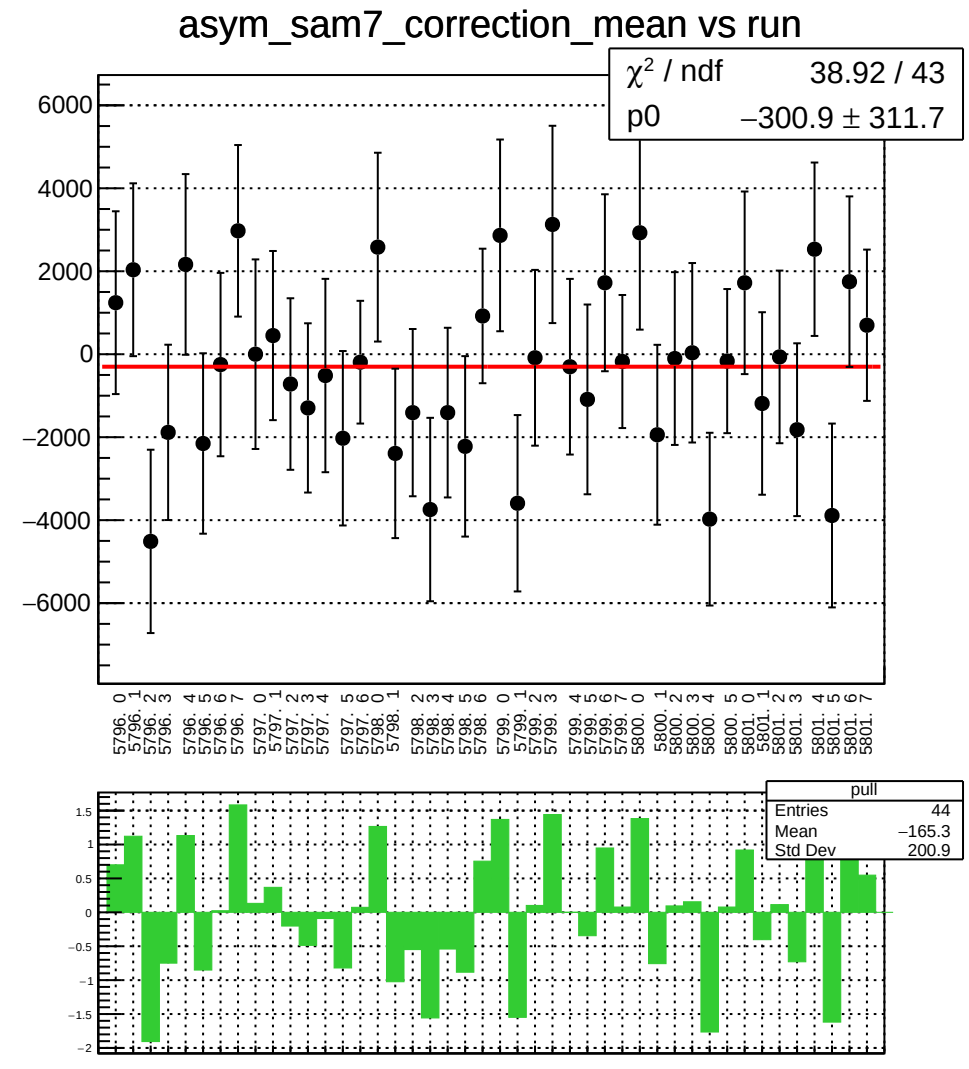

pull1D
Entries 44
Mean −0.005159
Std Dev 0.9609
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

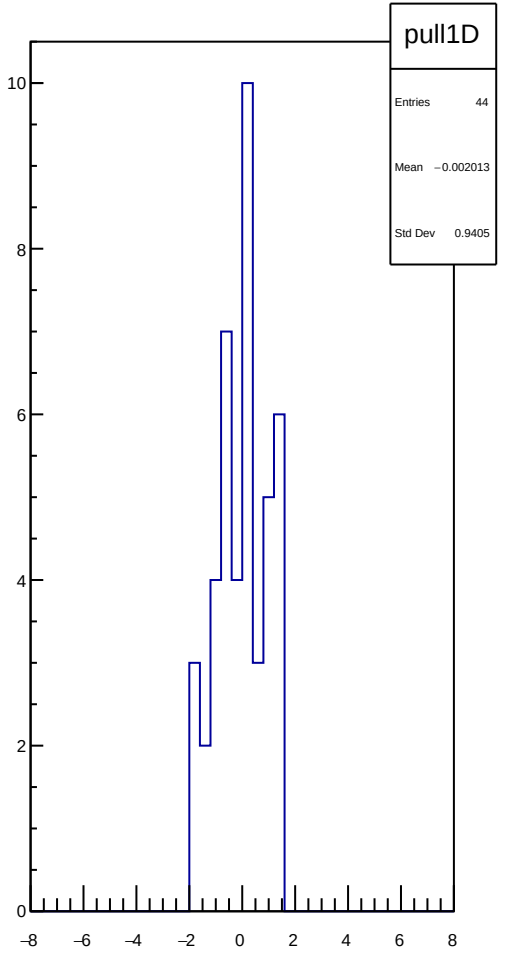

asym_sam6_rms vs run
χ² / ndf 1194 / 43
p0 650.6 ± 0.7022
700
680
660
640
620
600
580
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

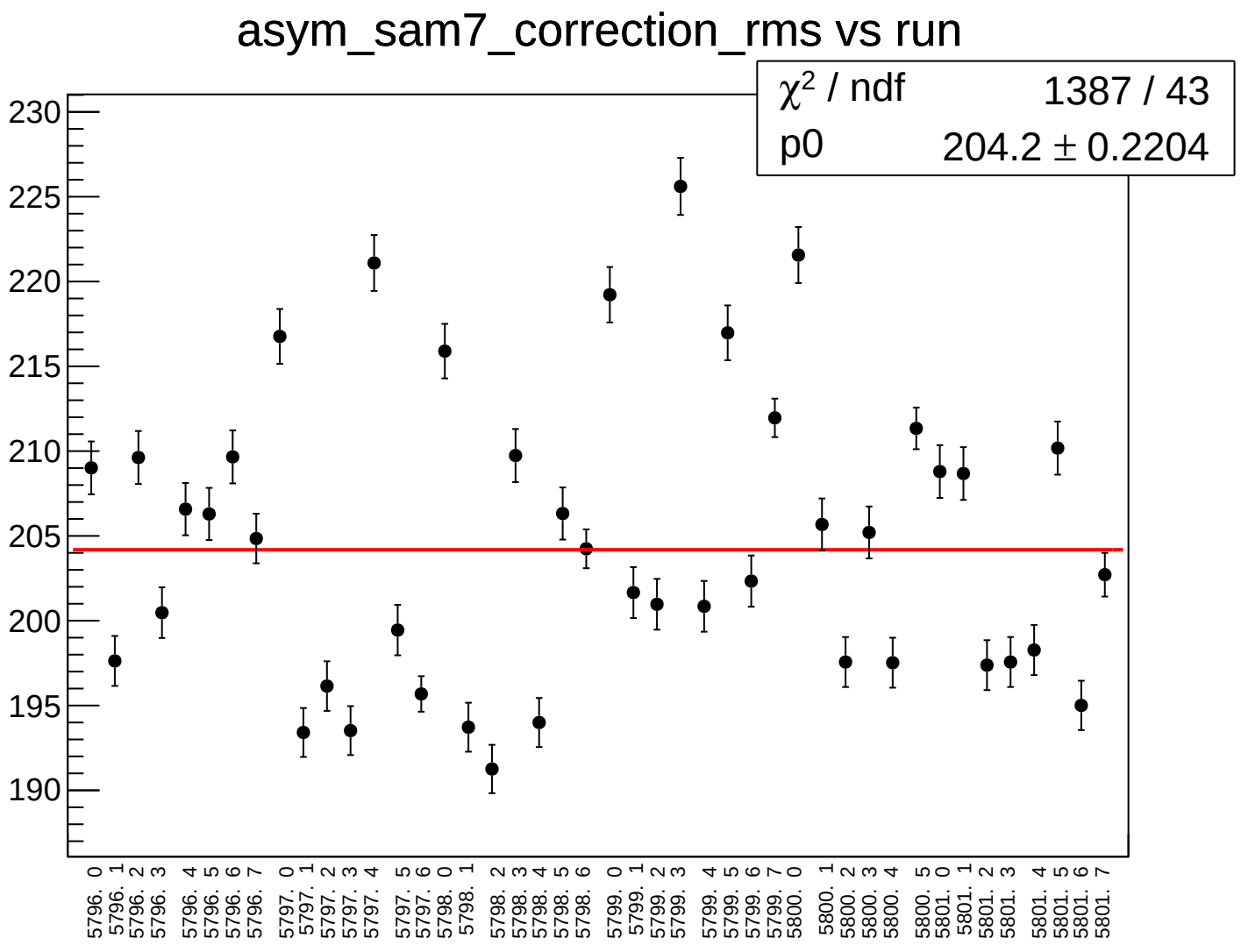

dit_asym_sam7_mean vs run
χ^2 / ndf 35.81 / 43
p0 294.9 ± 99.91
pull
Entries 44
Mean −140.8
Std Dev 162

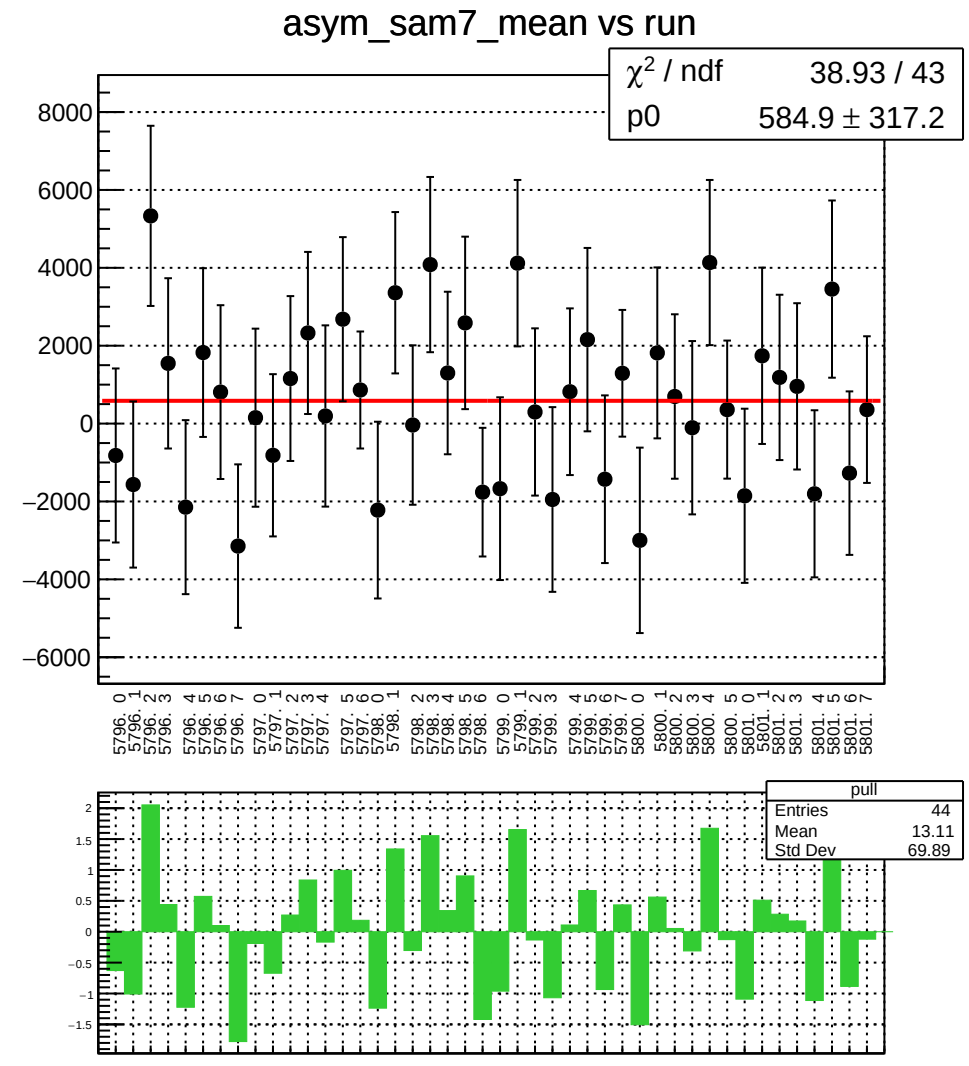

pull1D
Entries 44
Mean −0.006386
Std Dev 0.9021

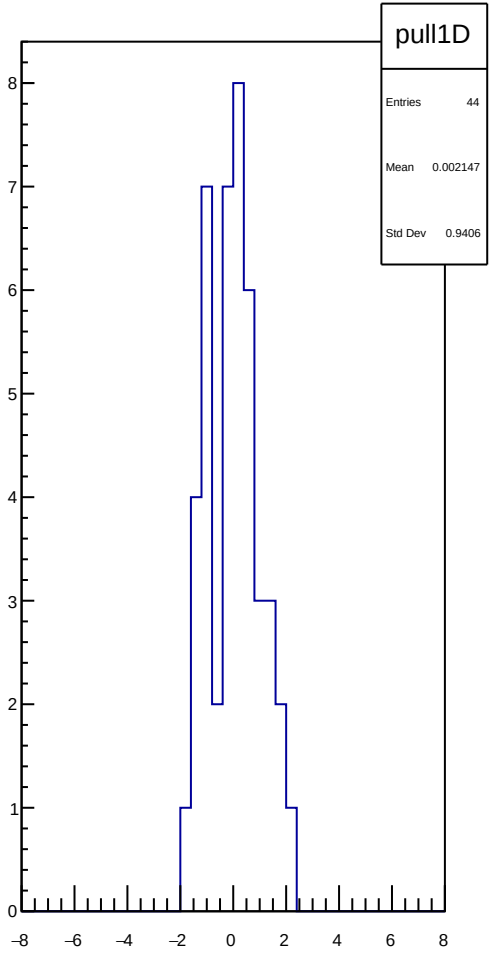

dit_asym_sam7_rms vs run
χ^2 / ndf 280.9 / 43
p0 65.49 ± 0.07065
69
68
67
66
65
64
63
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

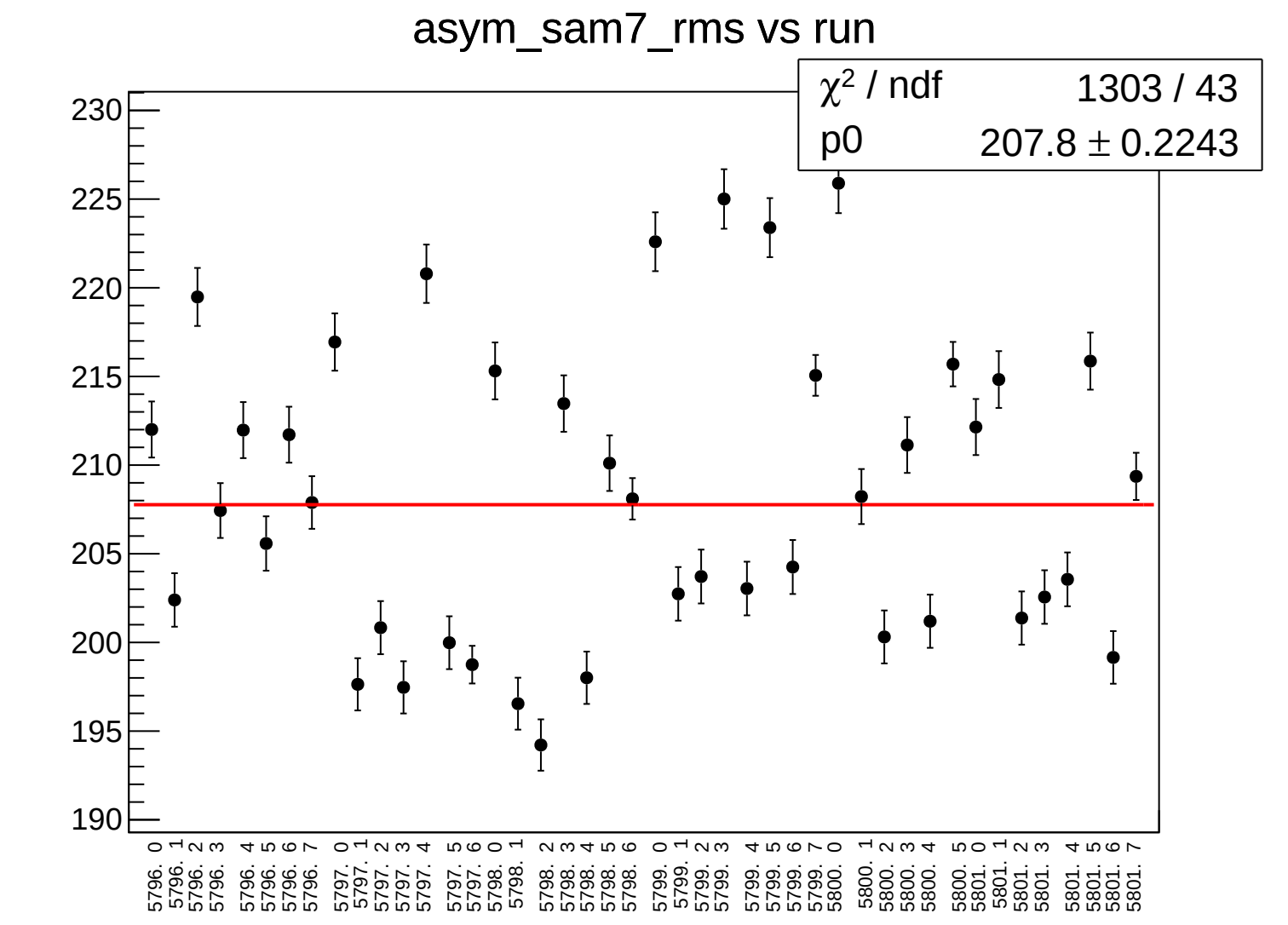

asym_sam7_correction_mean vs run
χ² / ndf 38.92 / 43
p0 −300.9 ± 311.7
6000
4000
2000
0
−2000
−4000
−6000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −165.3
Std Dev 200.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

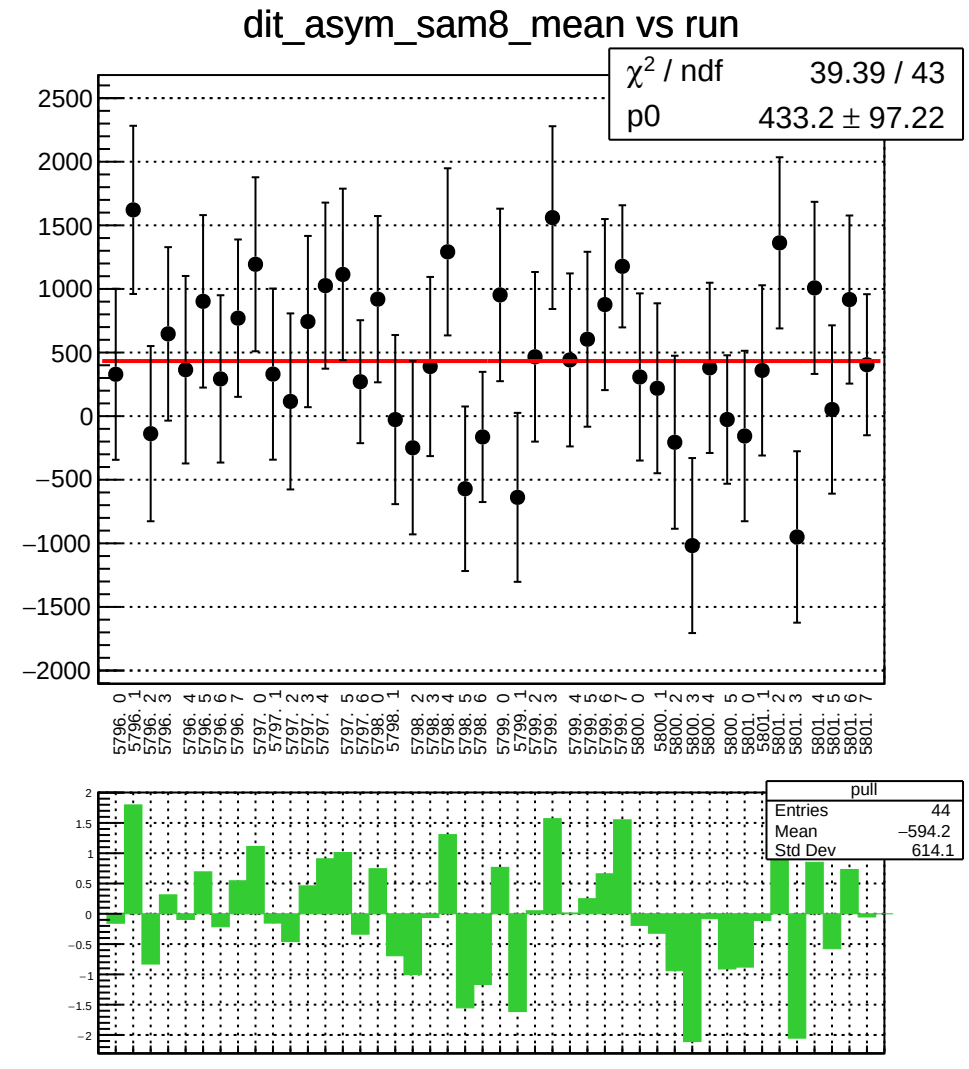

pull1D
Entries 44
Mean −0.002013
Std Dev 0.9405
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

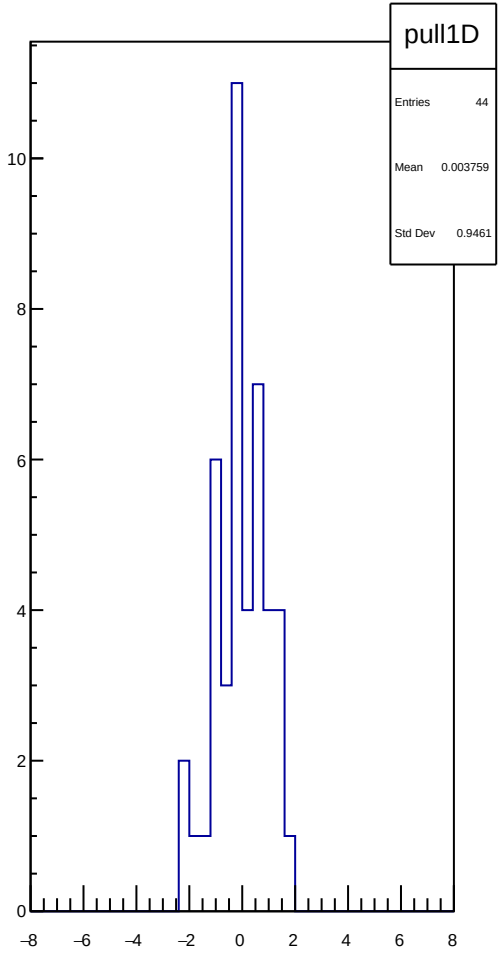

asym_sam7_correction_rms vs run
χ² / ndf 1387 / 43
p0 204.2 ± 0.2204
230
225
220
215
210
205
200
195
190
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

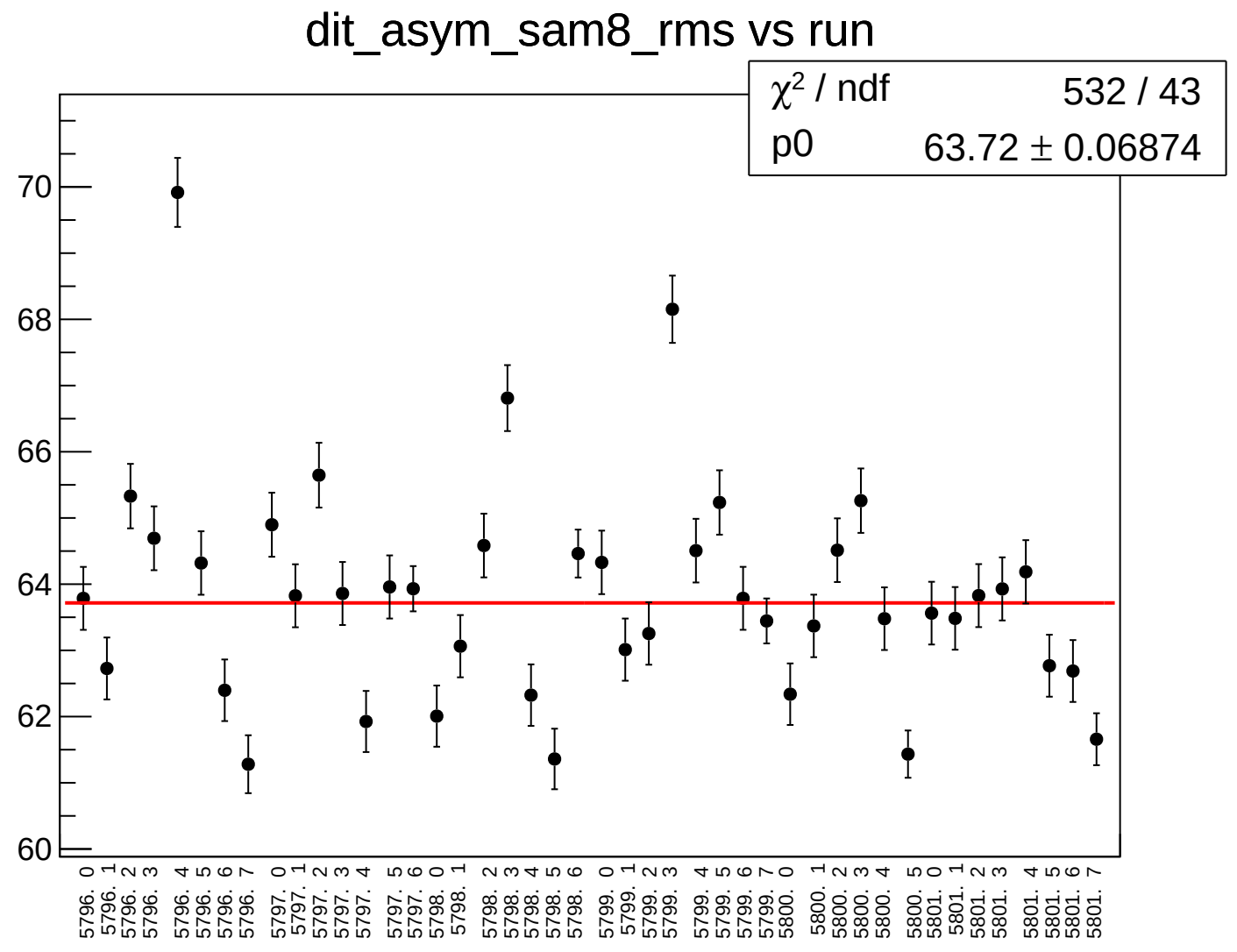

asym_sam7_mean vs run
χ² / ndf 38.93 / 43
p0 584.9 ± 317.2
8000
6000
4000
2000
0
−2000
−4000
−6000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 13.11
Std Dev 69.89
2
1.5
1
0.5
0
−0.5
−1
−1.5

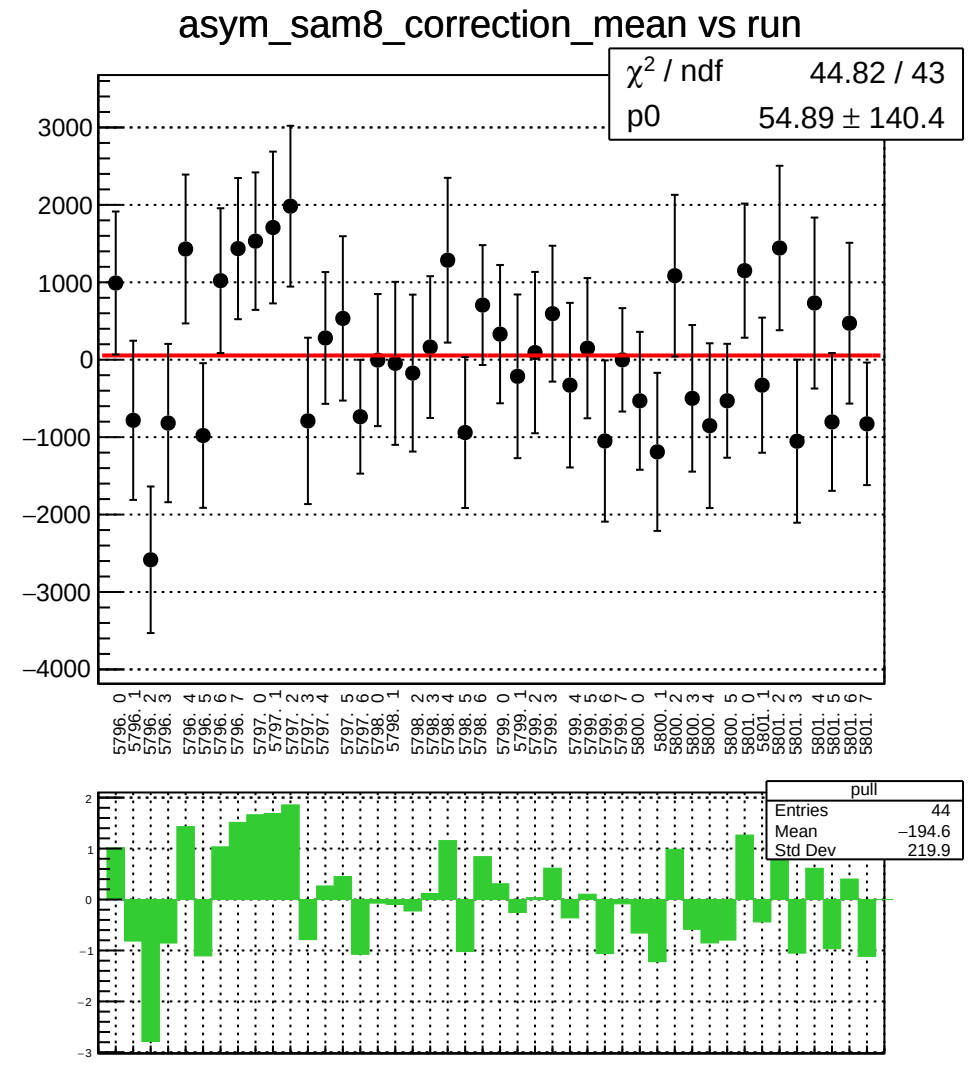

pull1D
Entries 44
Mean 0.002147
Std Dev 0.9406
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

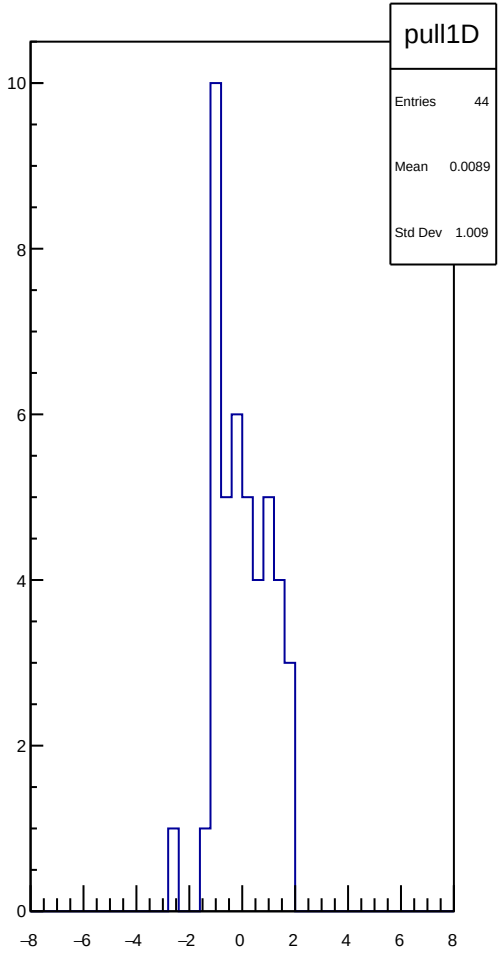

asym_sam7_rms vs run
χ² / ndf 1303 / 43
p0 207.8 ± 0.2243
230
225
220
215
210
205
200
195
190
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

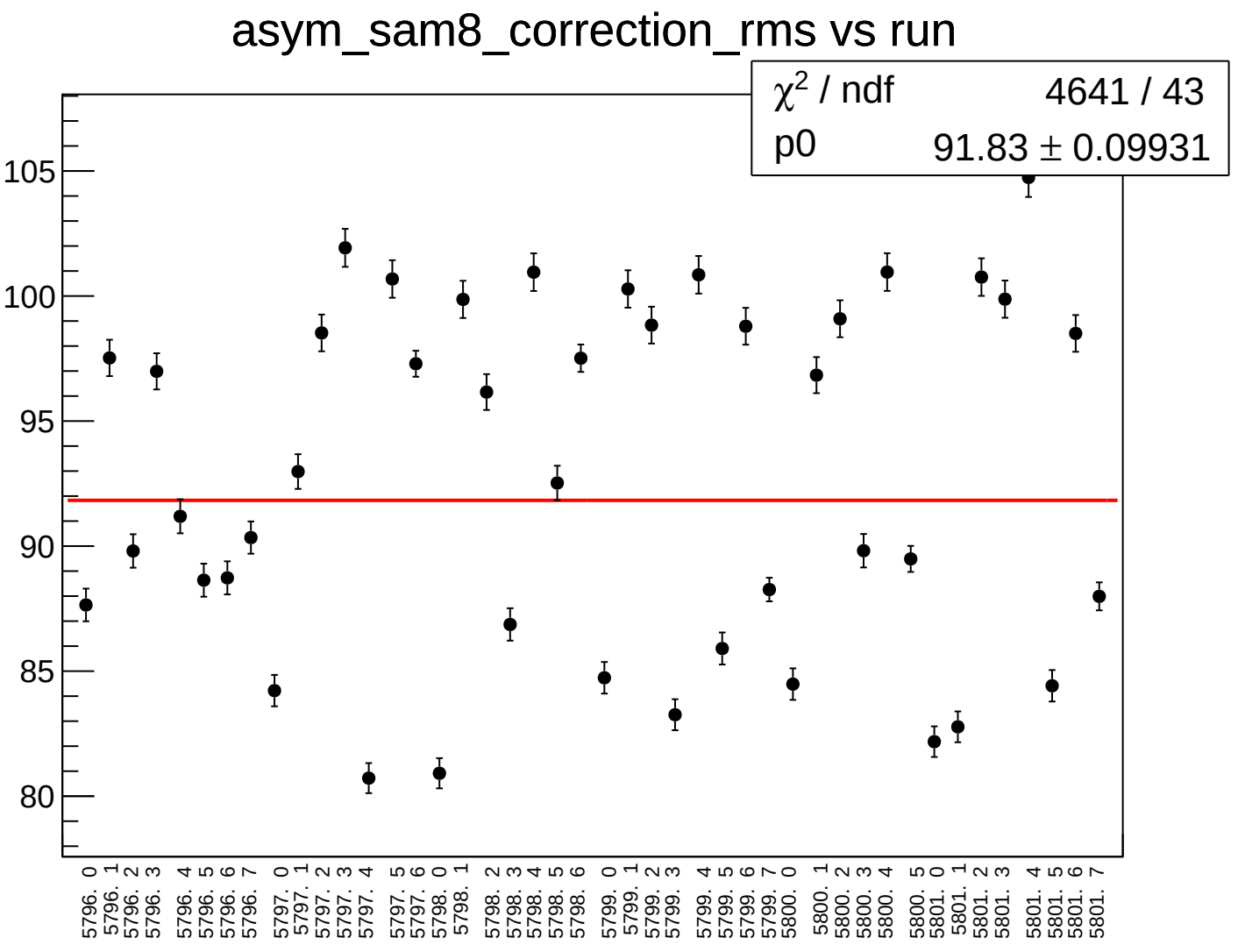

dit_asym_sam8_mean vs run
χ² / ndf 39.39 / 43
p0 433.2 ± 97.22
pull
Entries 44
Mean −594.2
Std Dev 614.1

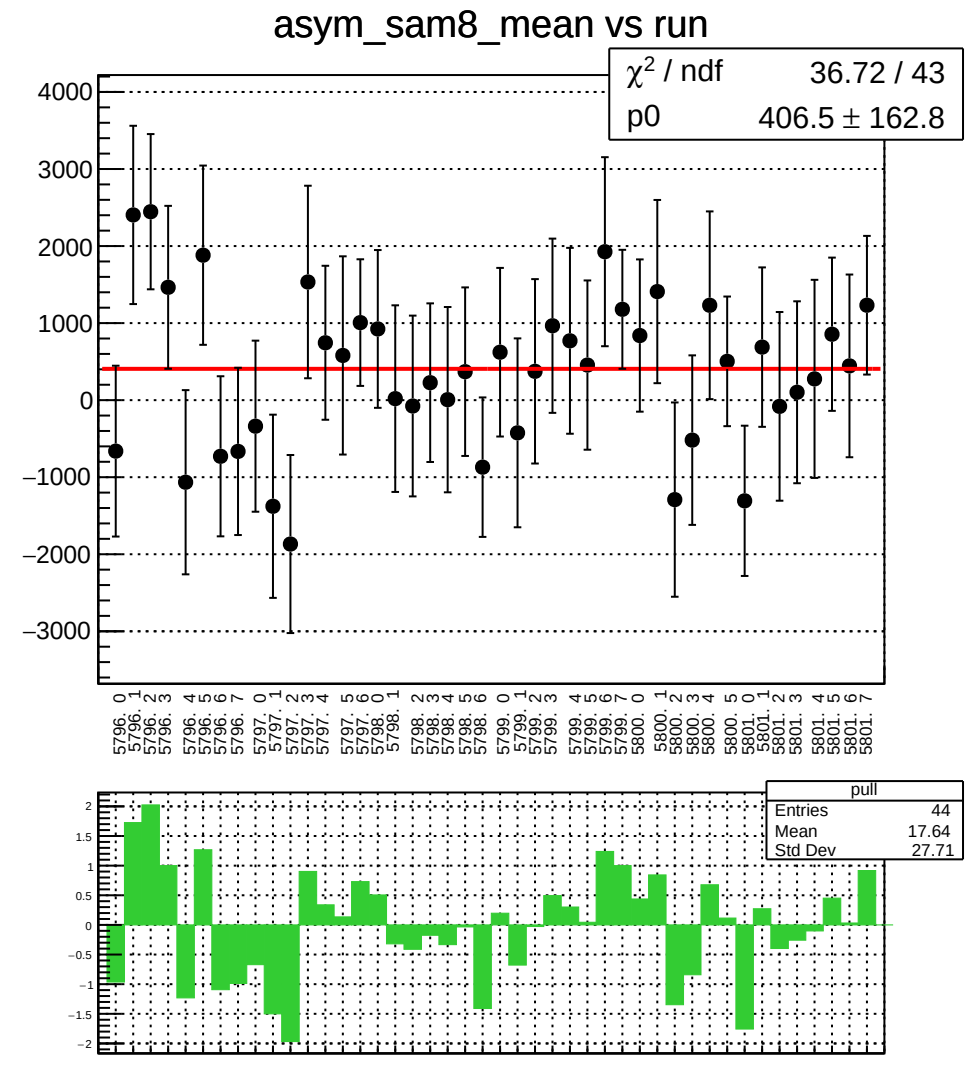

pull1D
Entries 44
Mean 0.003759
Std Dev 0.9461

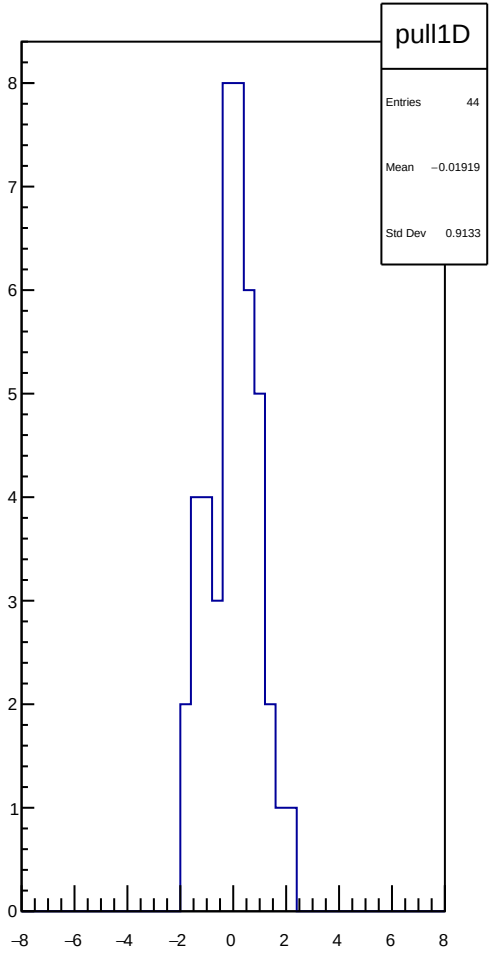

dit_asym_sam8_rms vs run
χ² / ndf 532 / 43
p0 63.72 ± 0.06874
70
68
66
64
62
60
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

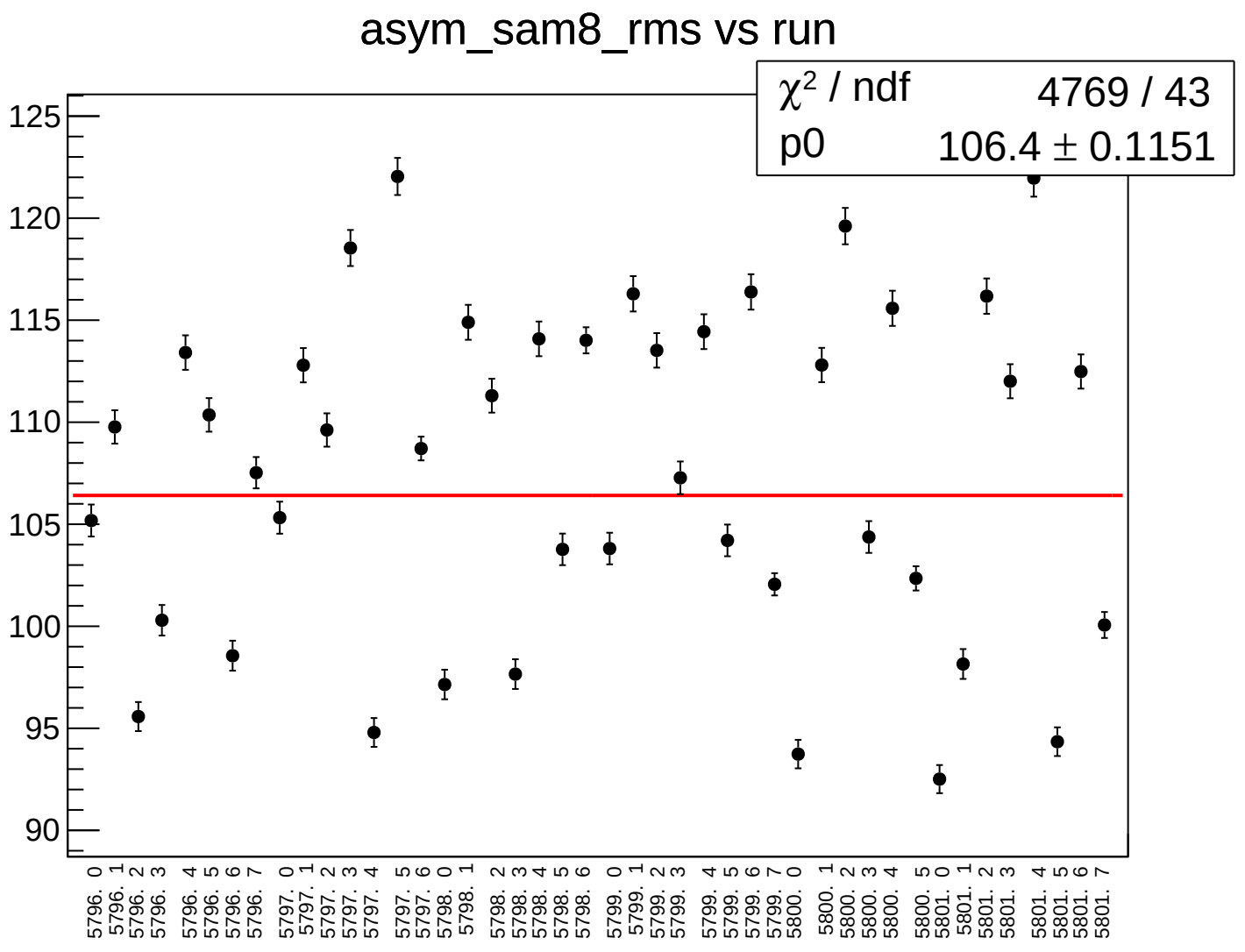

asym_sam8_correction_mean vs run
χ^2 / ndf 44.82 / 43
p0 54.89 ± 140.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −194.6
Std Dev 219.9
2
1
0
−1
−2
−3

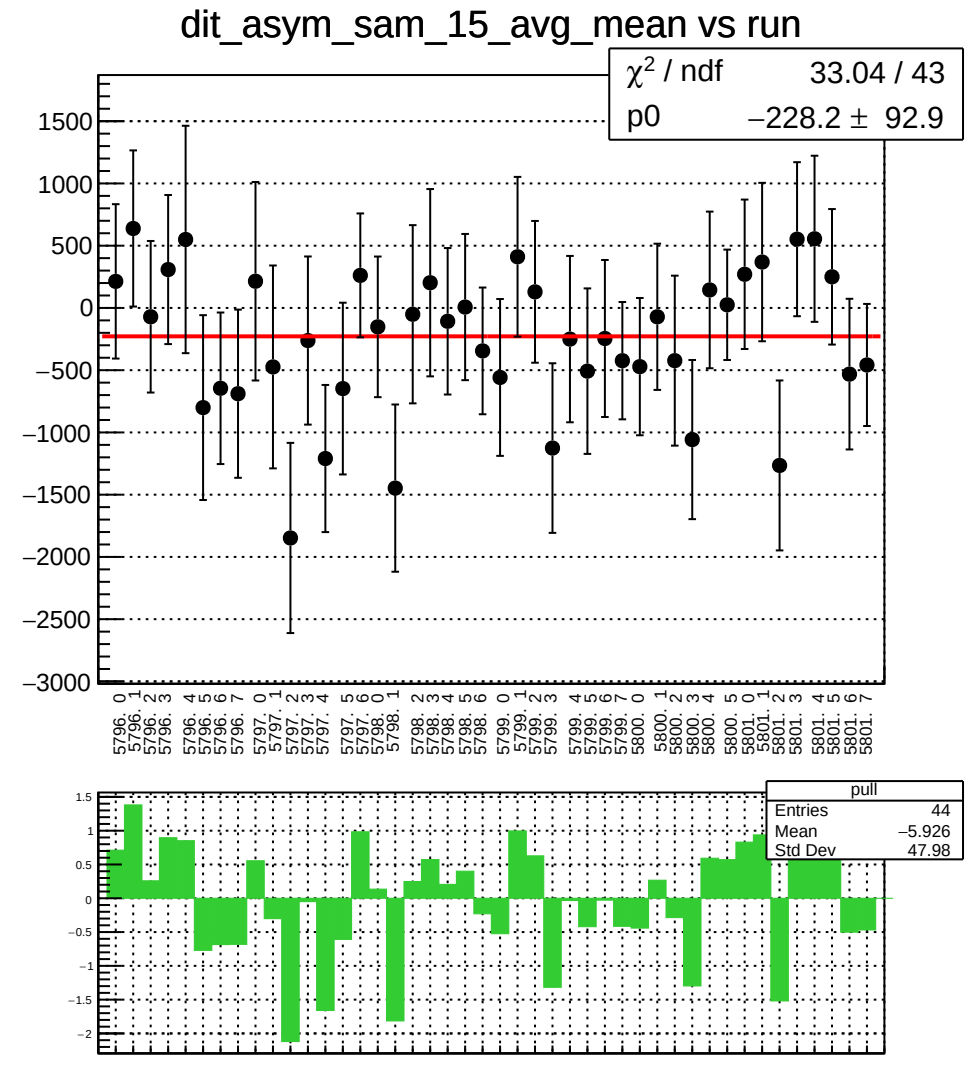

pull1D
Entries 44
Mean 0.0089
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

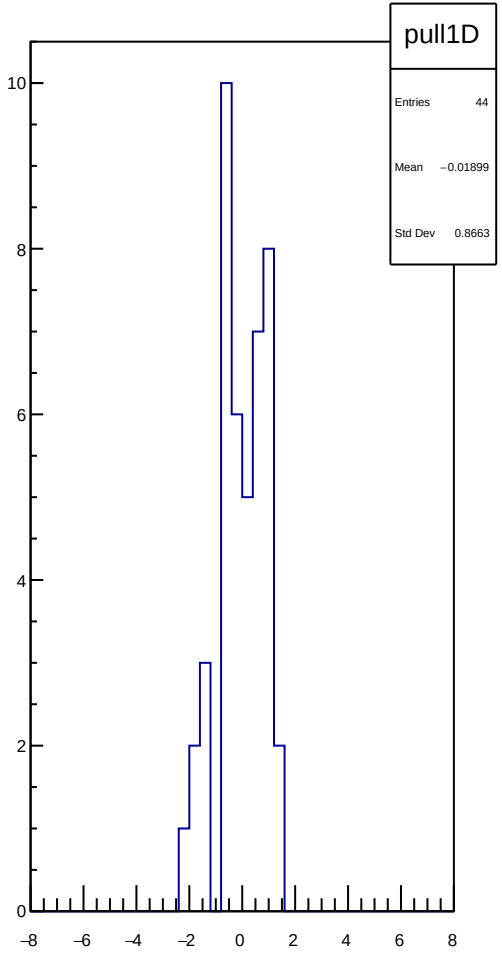

asym_sam8_correction_rms vs run
χ^2 / ndf 4641 / 43
p0 91.83 ± 0.09931
105
100
95
90
85
80
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

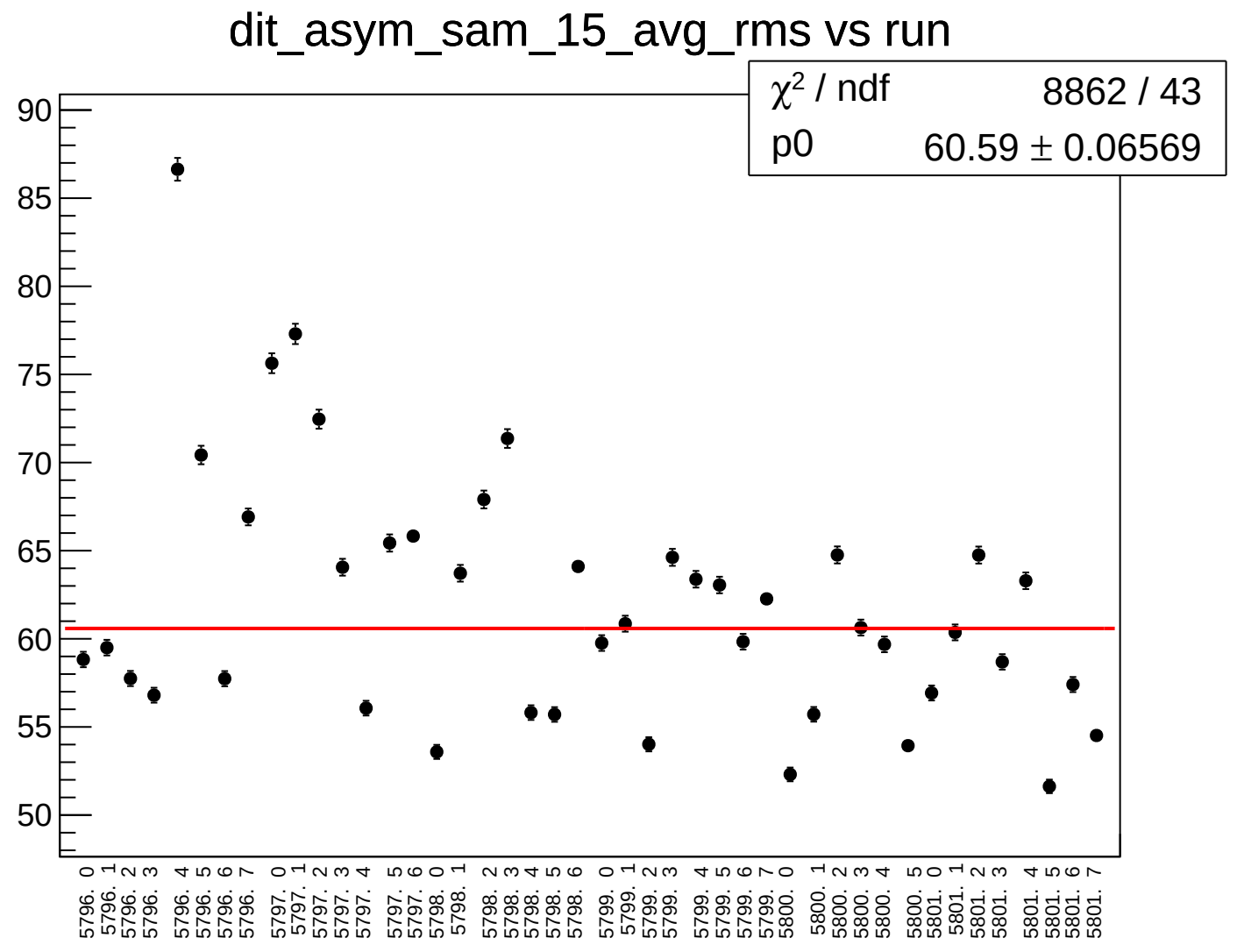

asym_sam8_mean vs run
χ² / ndf 36.72 / 43
p0 406.5 ± 162.8
4000
3000
2000
1000
0
−1000
−2000
−3000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 17.64
Std Dev 27.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

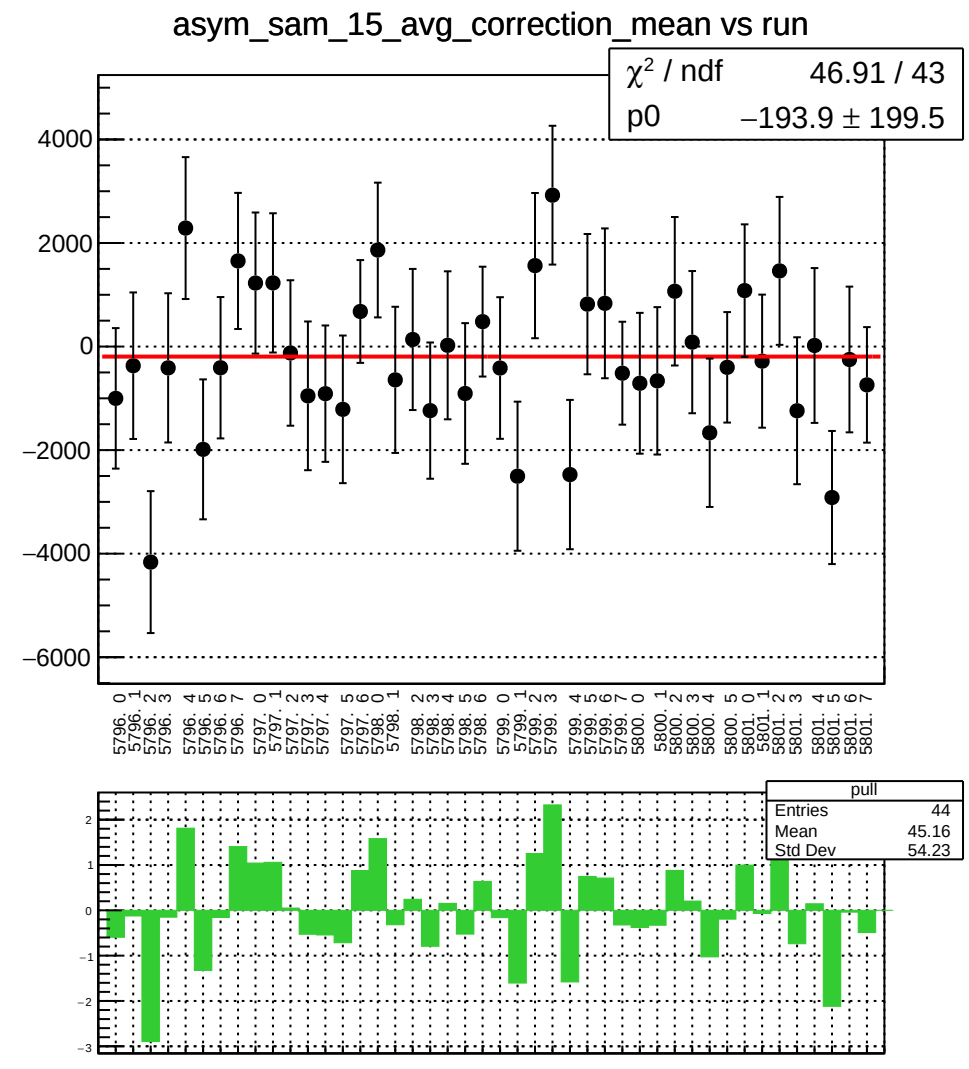

pull1D
Entries 44
Mean −0.01919
Std Dev 0.9133
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

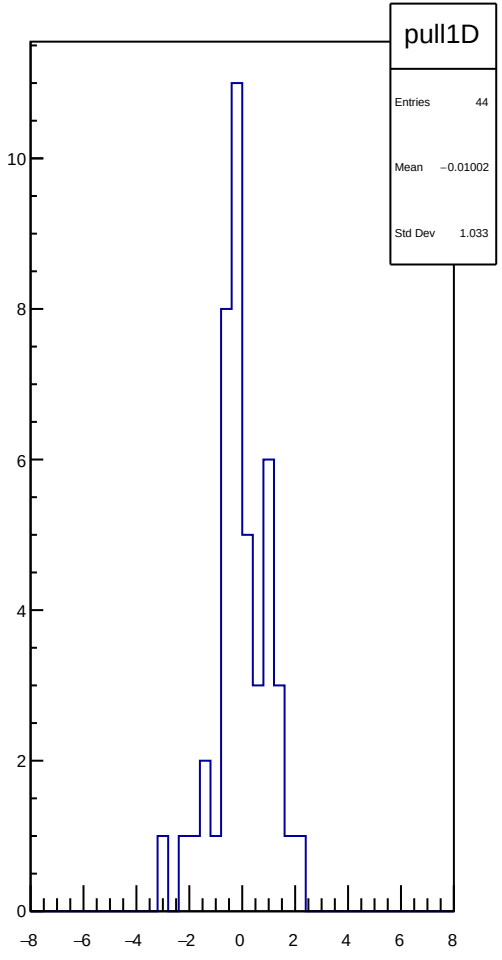

asym_sam8_rms vs run
χ² / ndf 4769 / 43
p0 106.4 ± 0.1151
125
120
115
110
105
100
95
90
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

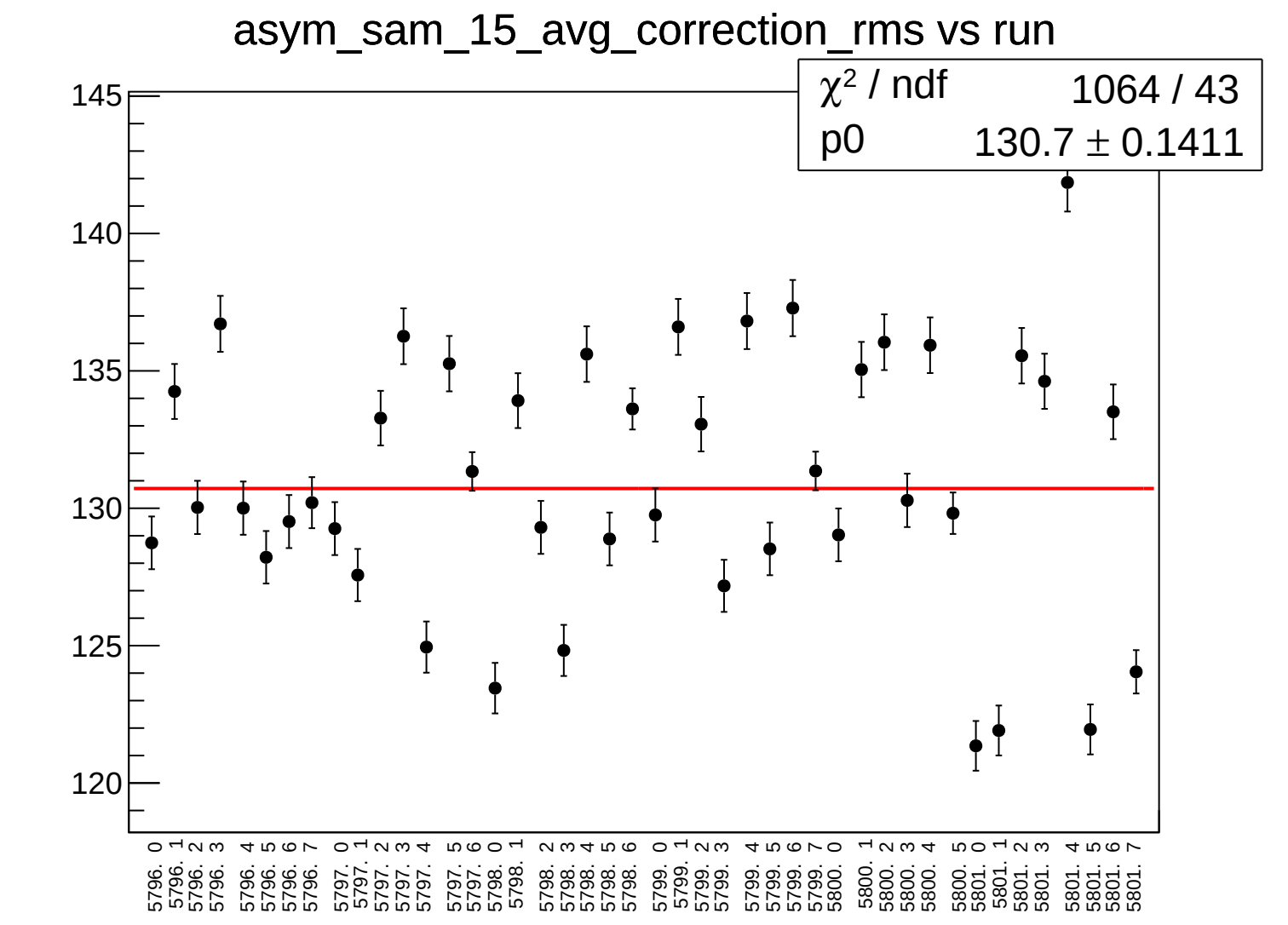

dit_asym_sam_15_avg_mean vs run
χ² / ndf 33.04 / 43
p0 −228.2 ± 92.9
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −5.926
Std Dev 47.98
1.5
1
0.5
0
−0.5
−1
−1.5
−2

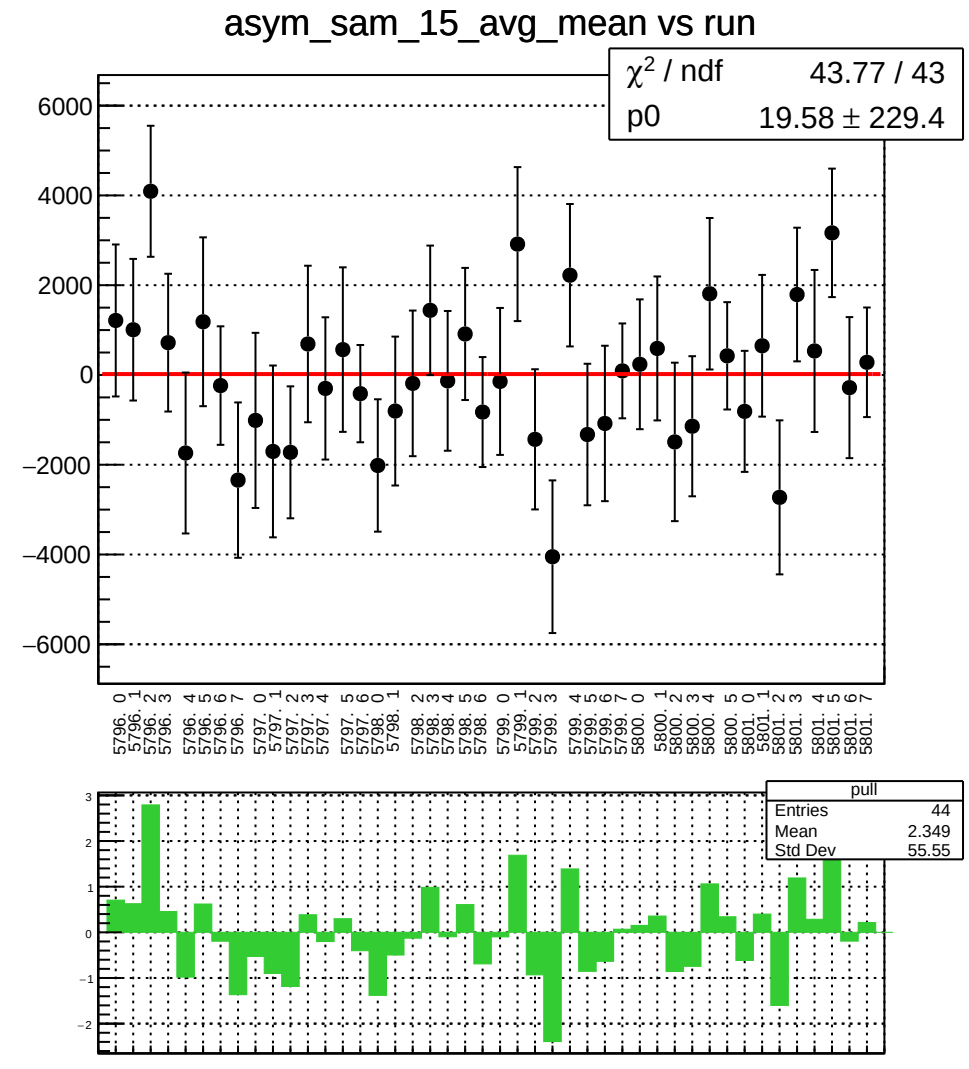

pull1D
Entries 44
Mean −0.01899
Std Dev 0.8663
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

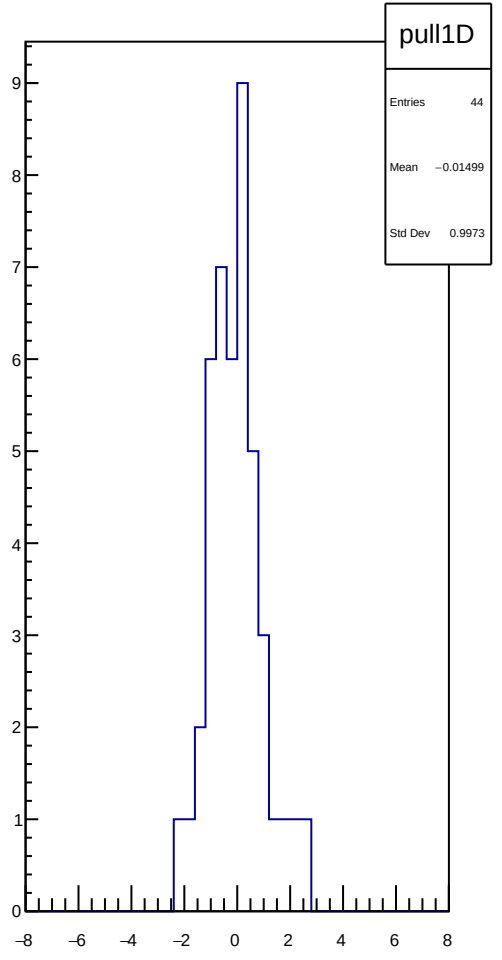

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 8862 / 43
p0 60.59 ± 0.06569
90
85
80
75
70
65
60
55
50
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

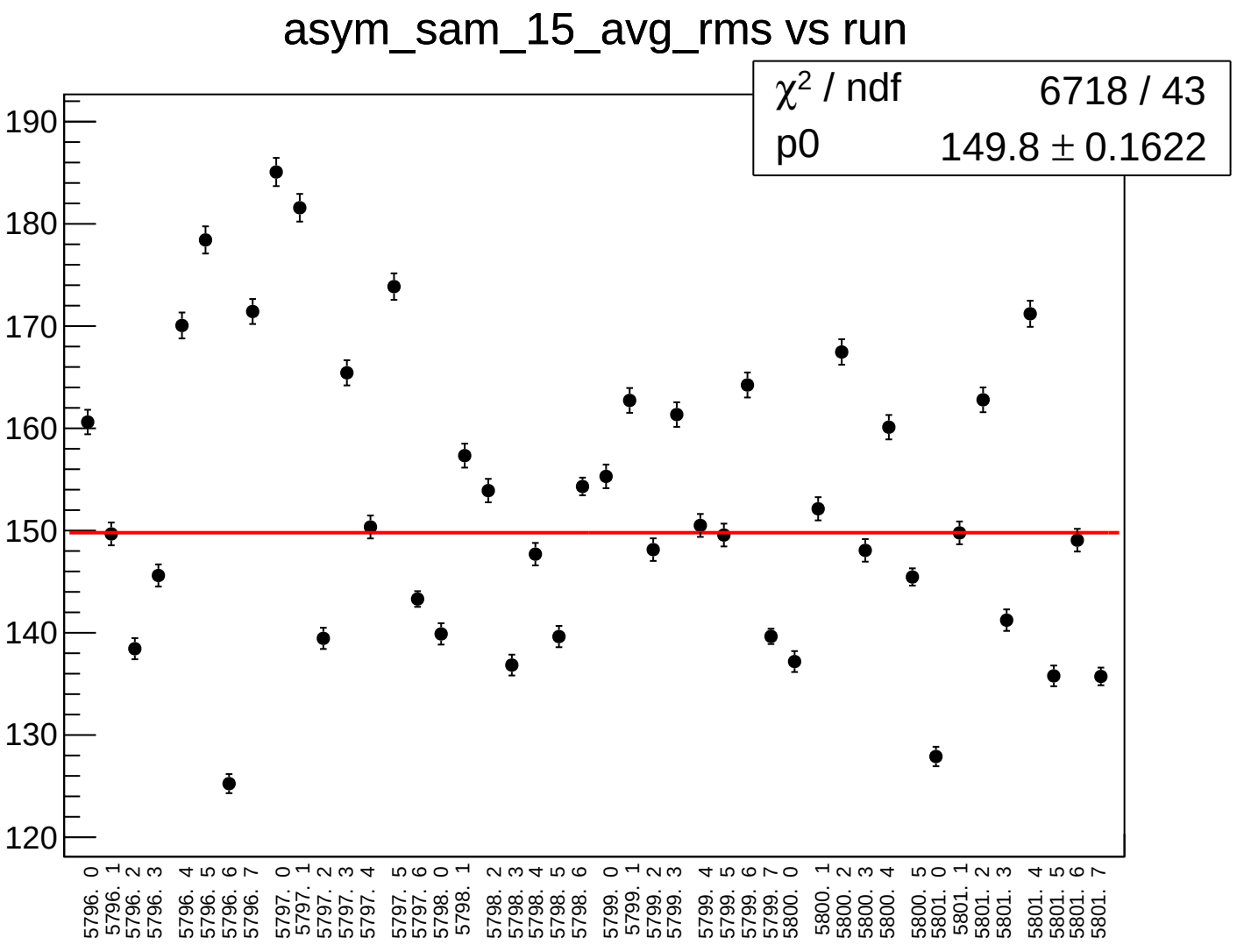

asym_sam_15_avg_correction_mean vs run
χ² / ndf 46.91 / 43
p0 −193.9 ± 199.5
4000
2000
0
−2000
−4000
−6000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 45.16
Std Dev 54.23
2
1
0
−1
−2
−3

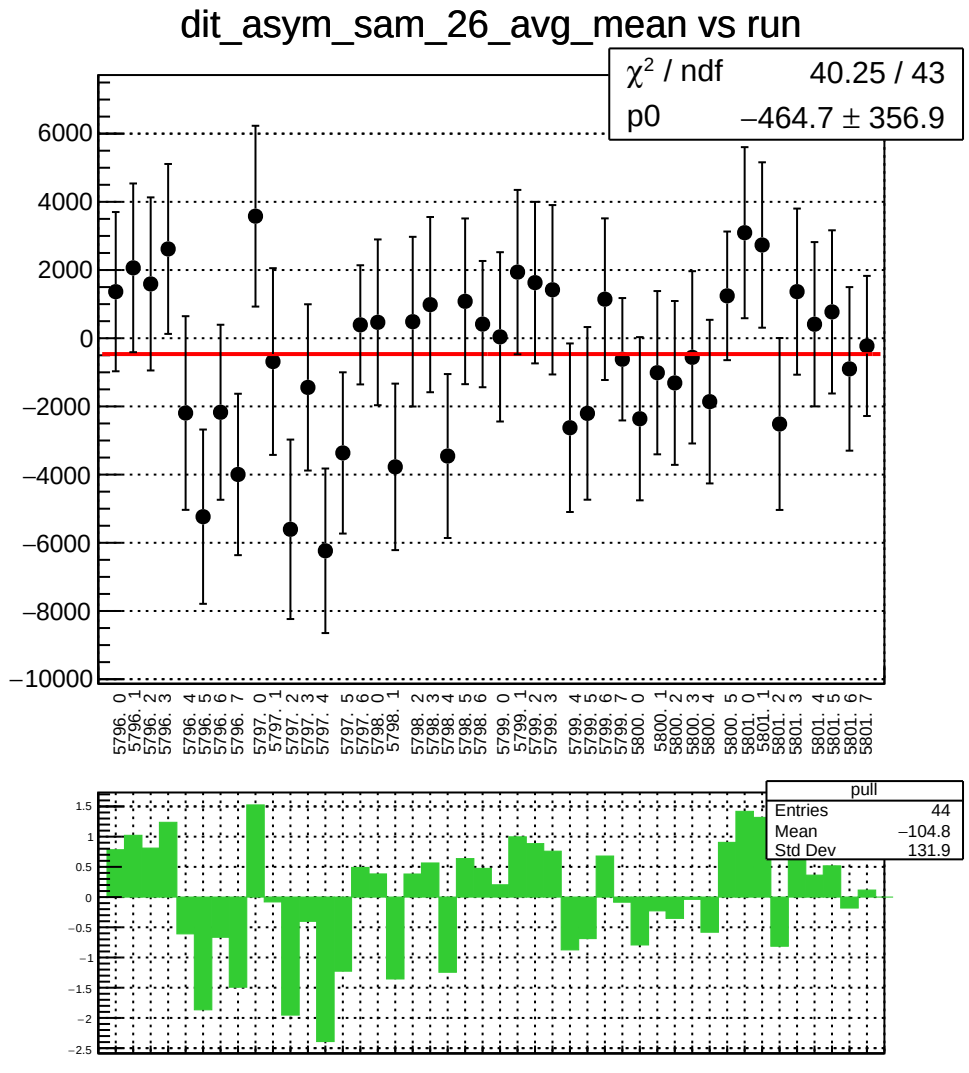

pull1D
Entries 44
Mean −0.01002
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

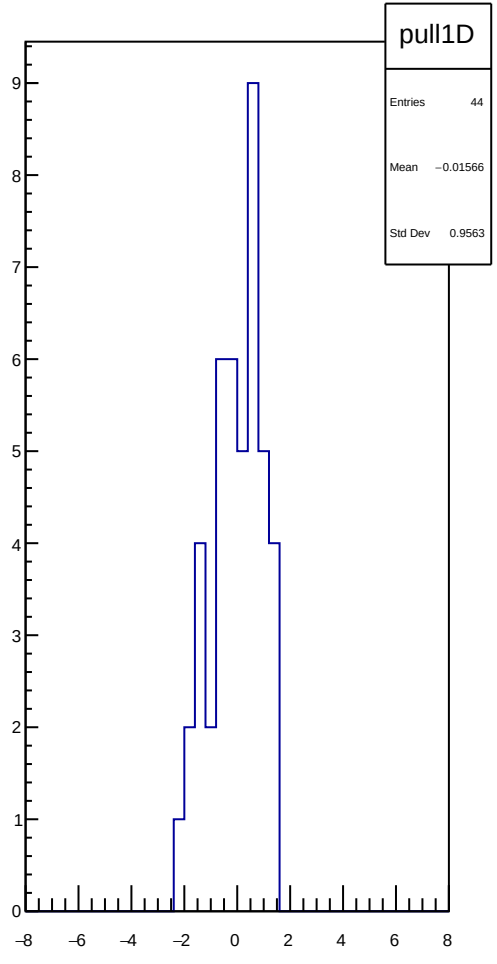

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1064 / 43
p0 130.7 ± 0.1411
145
140
135
130
125
120
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

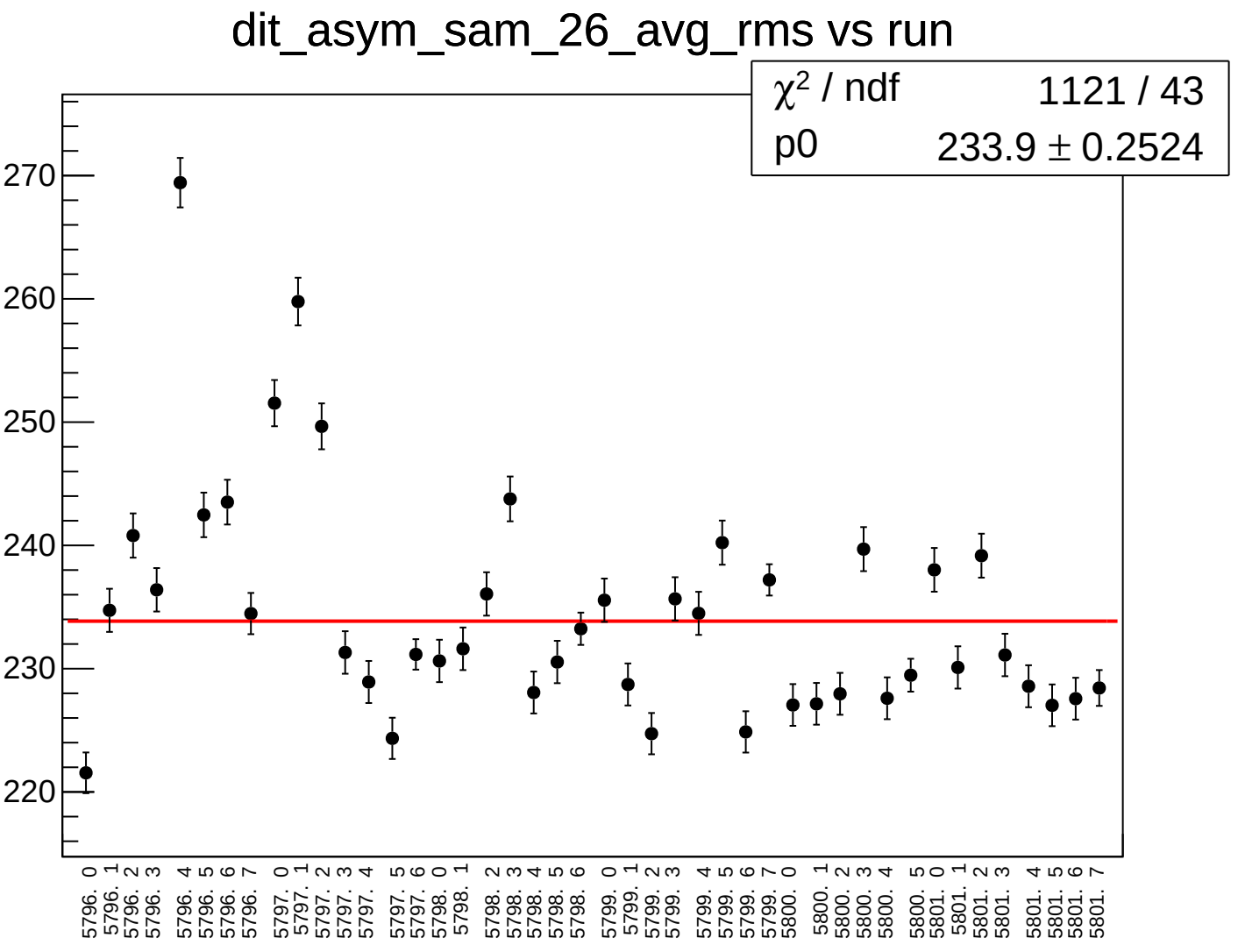

asym_sam_15_avg_mean vs run
χ² / ndf 43.77 / 43
p0 19.58 ± 229.4
6000
4000
2000
0
−2000
−4000
−6000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 2.349
Std Dev 55.55
3
2
1
0
−1
−2

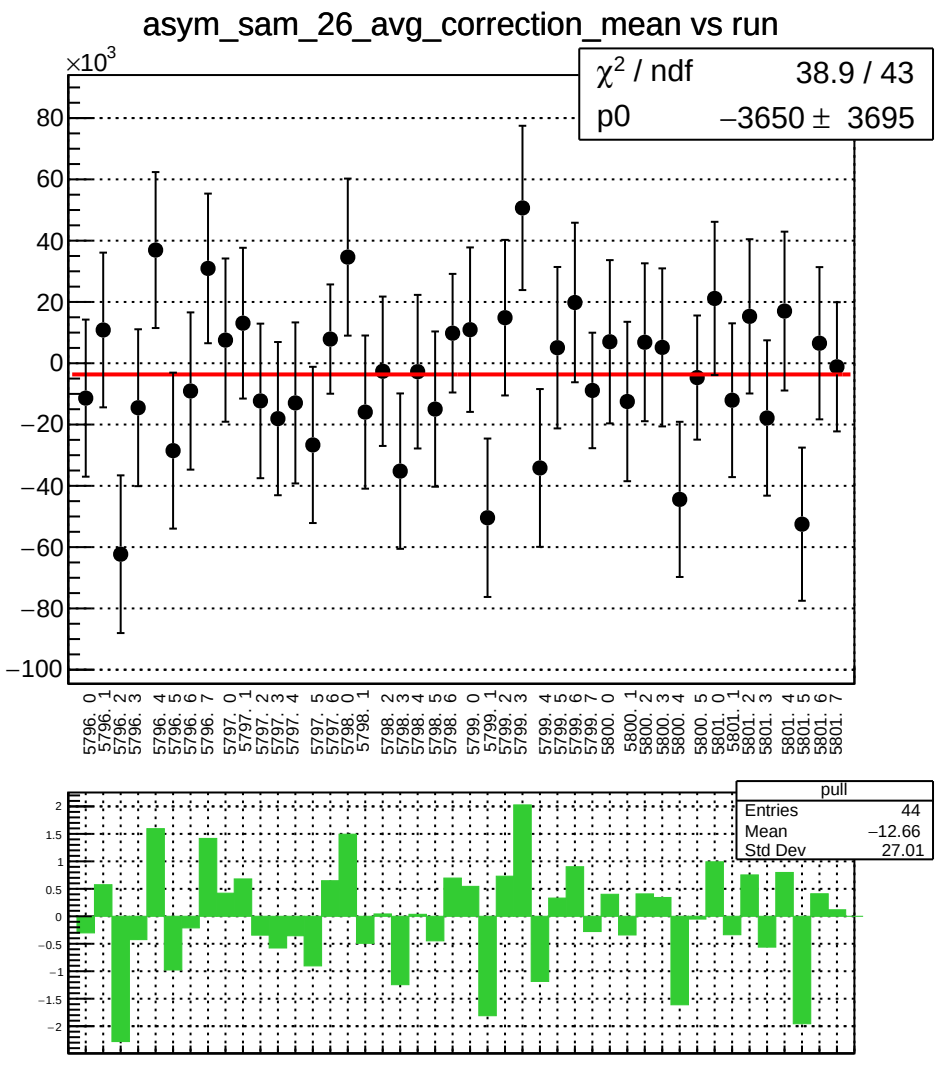

pull1D
Entries 44
Mean −0.01499
Std Dev 0.9973
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

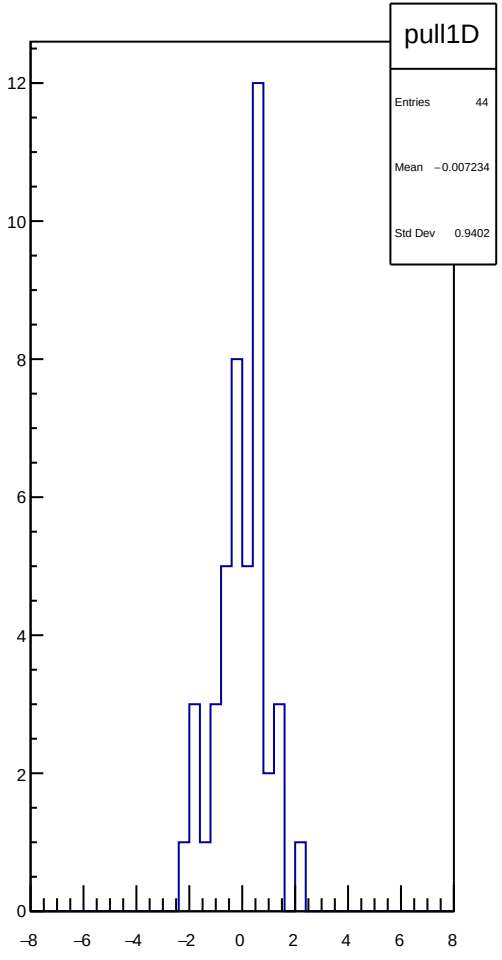

asym_sam_15_avg_rms vs run
χ² / ndf 6718 / 43
p0 149.8 ± 0.1622
190
180
170
160
150
140
130
120
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

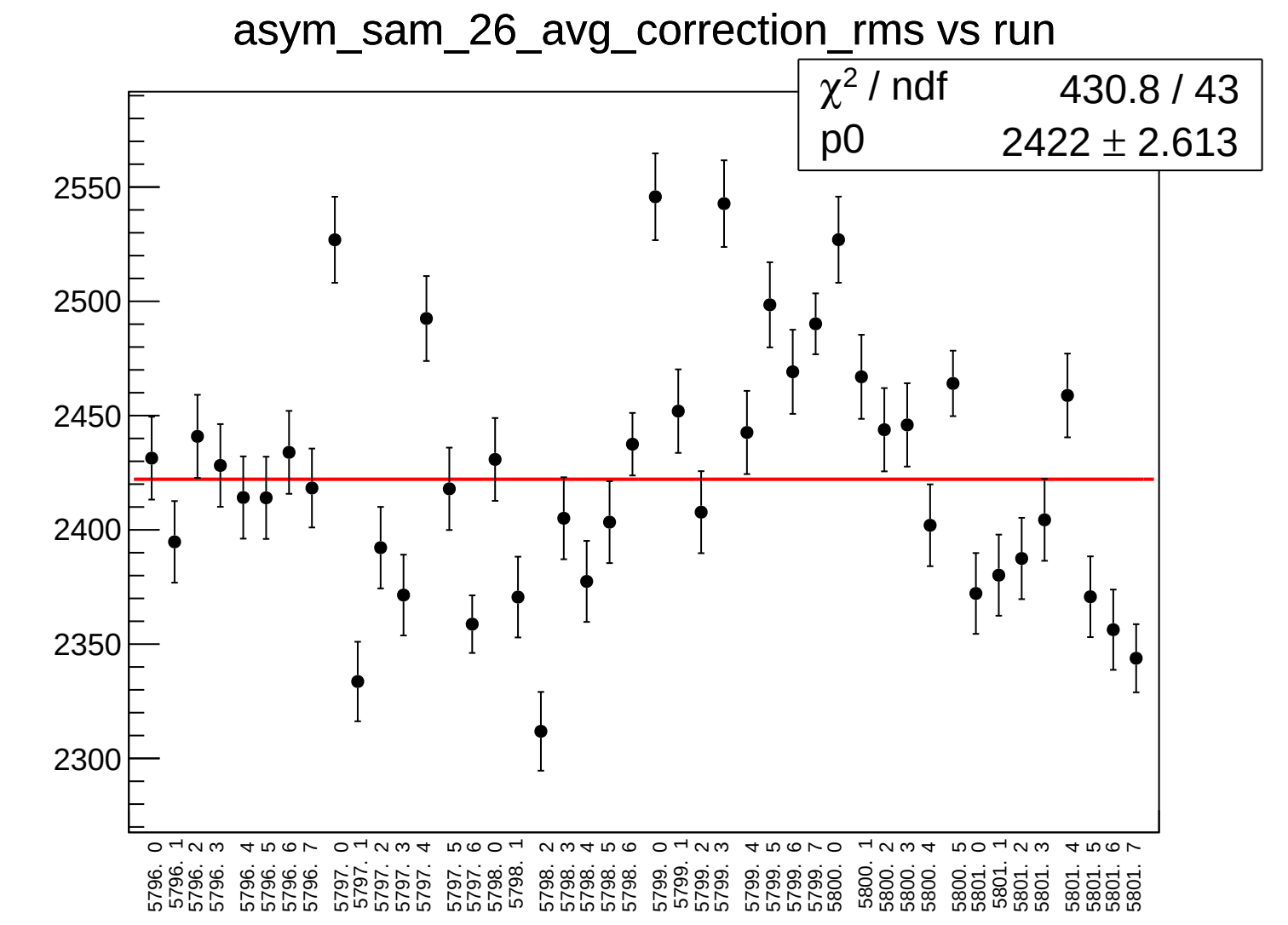

dit_asym_sam_26_avg_mean vs run
χ² / ndf 40.25 / 43
p0 −464.7 ± 356.9
pull
Entries 44
Mean −104.8
Std Dev 131.9

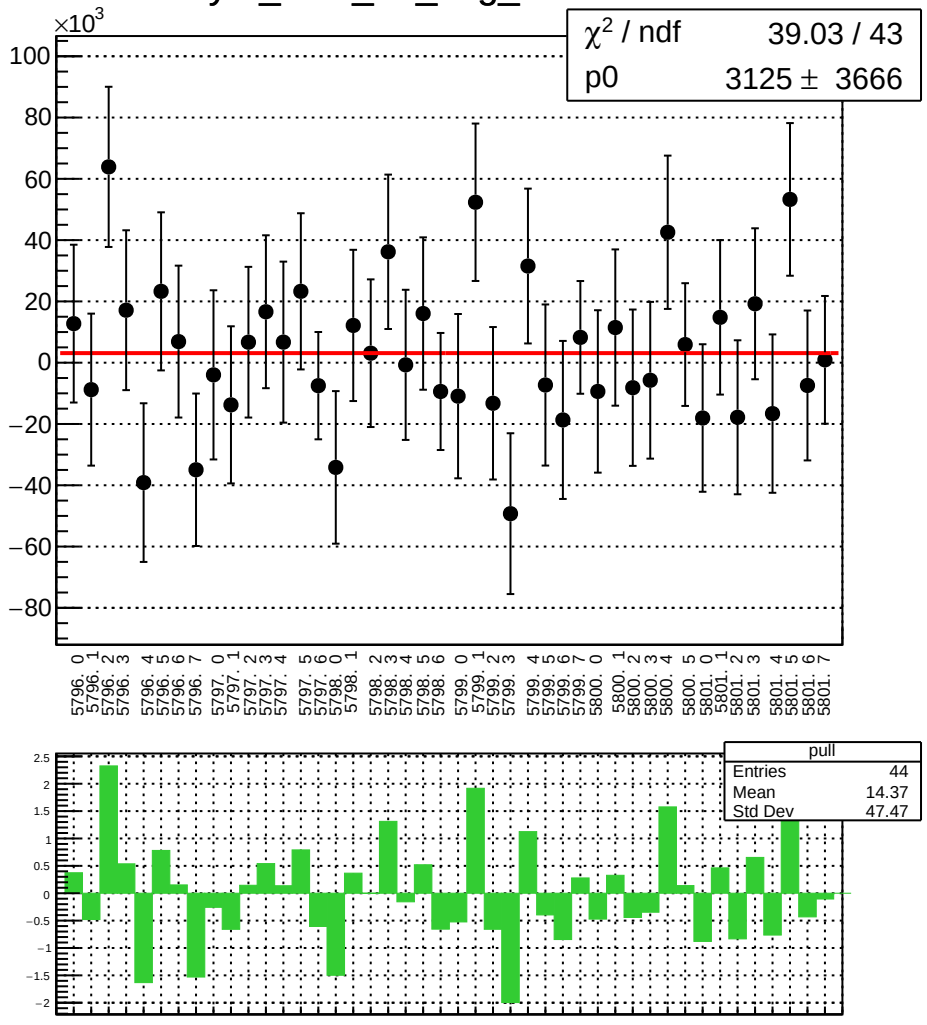

pull1D
Entries 44
Mean −0.01566
Std Dev 0.9563

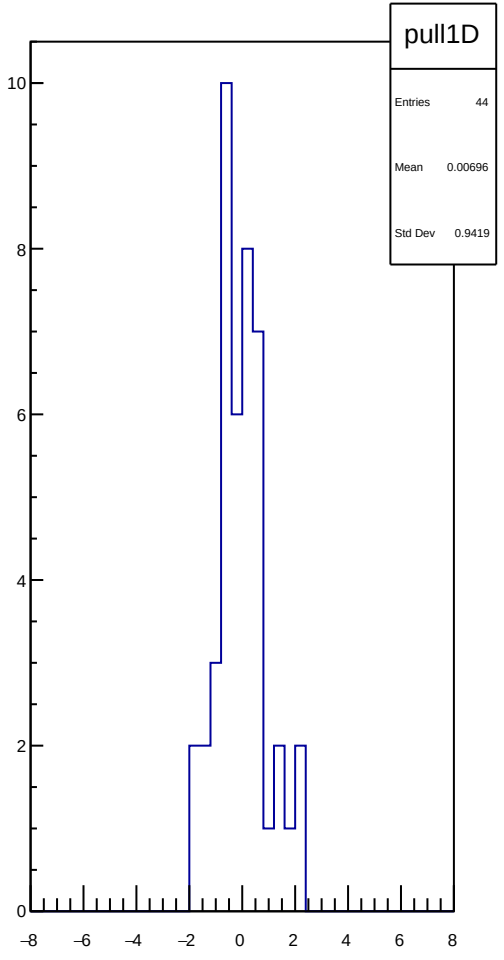

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1121 / 43
p0 233.9 ± 0.2524
270
260
250
240
230
220
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

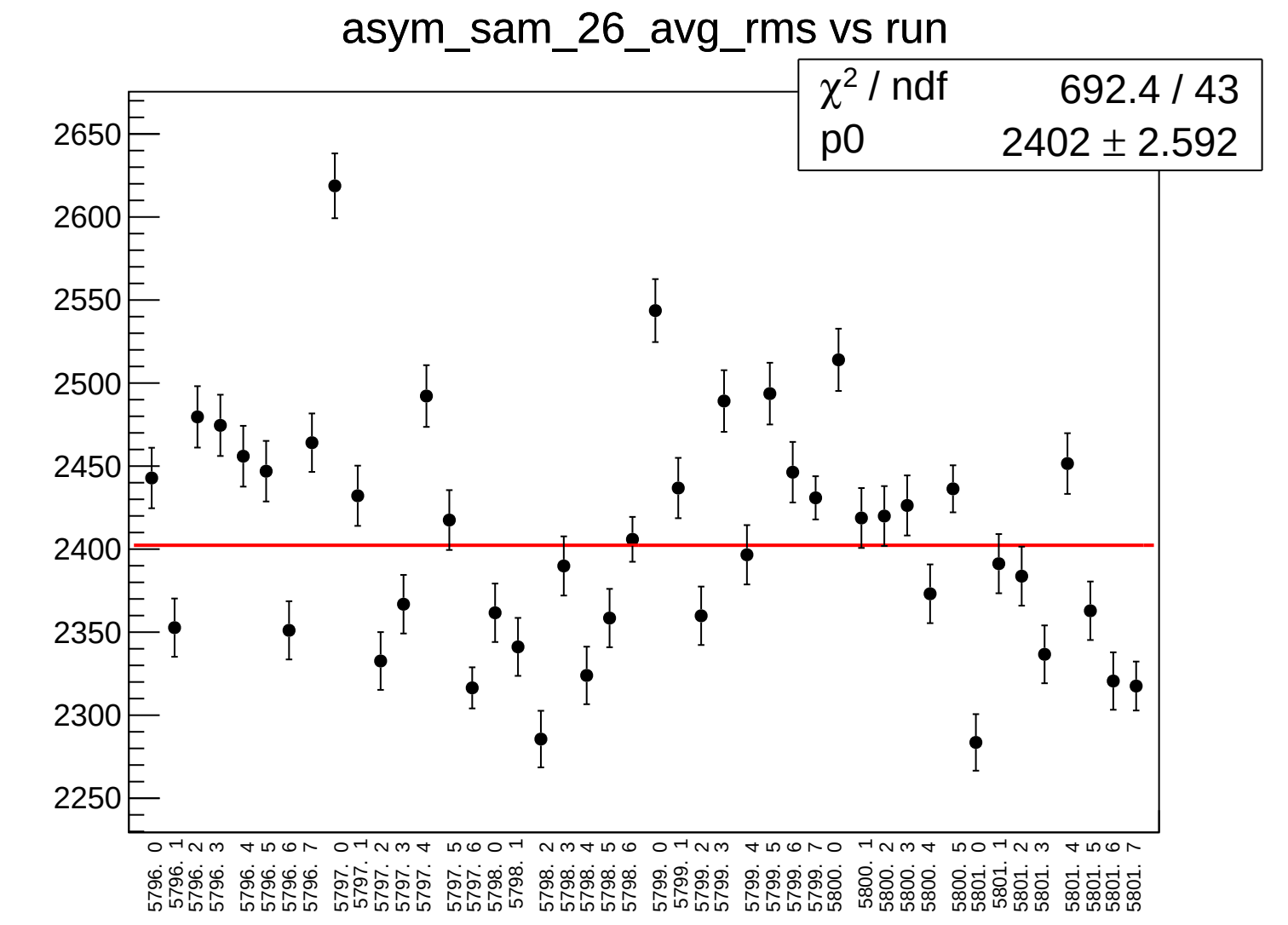

asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 38.9 / 43
p0 −3650 ± 3695
pull
Entries 44
Mean −12.66
Std Dev 27.01

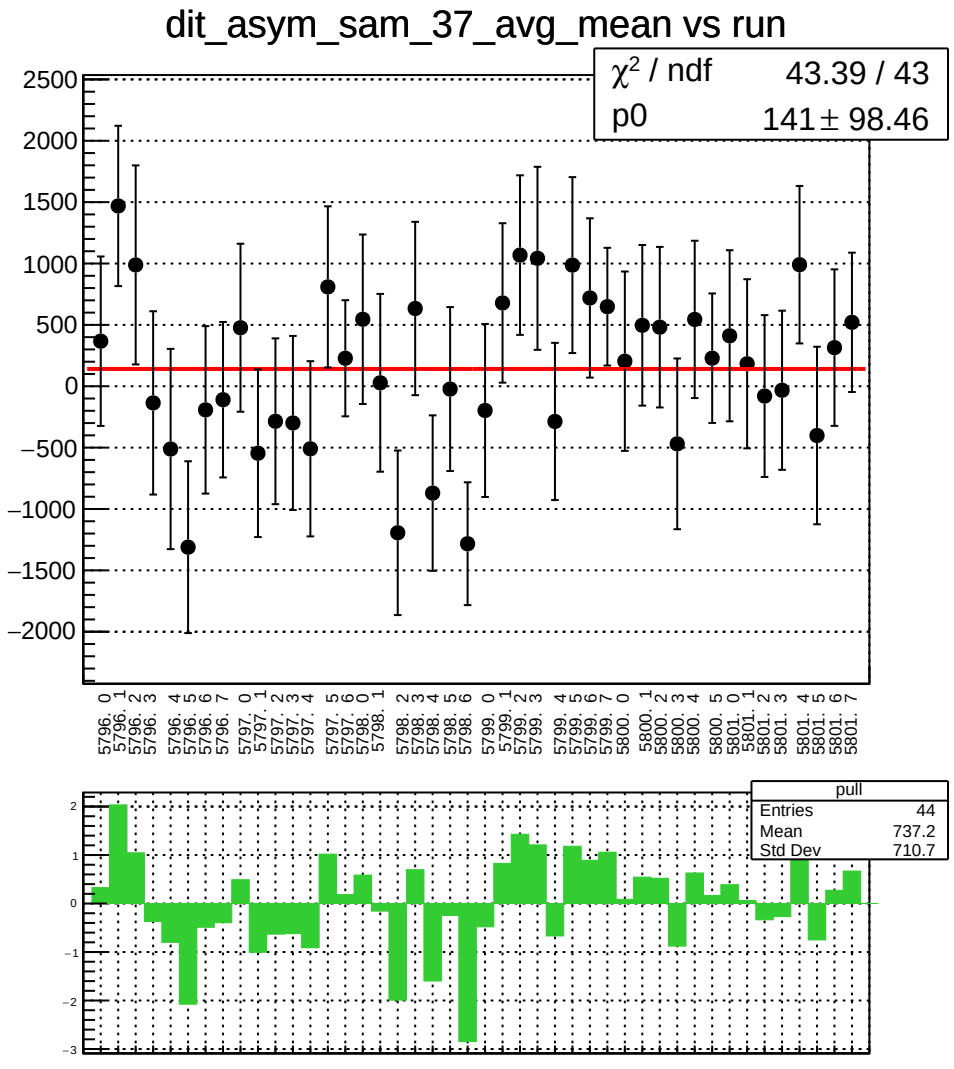

pull1D
Entries 44
Mean −0.007234
Std Dev 0.9402

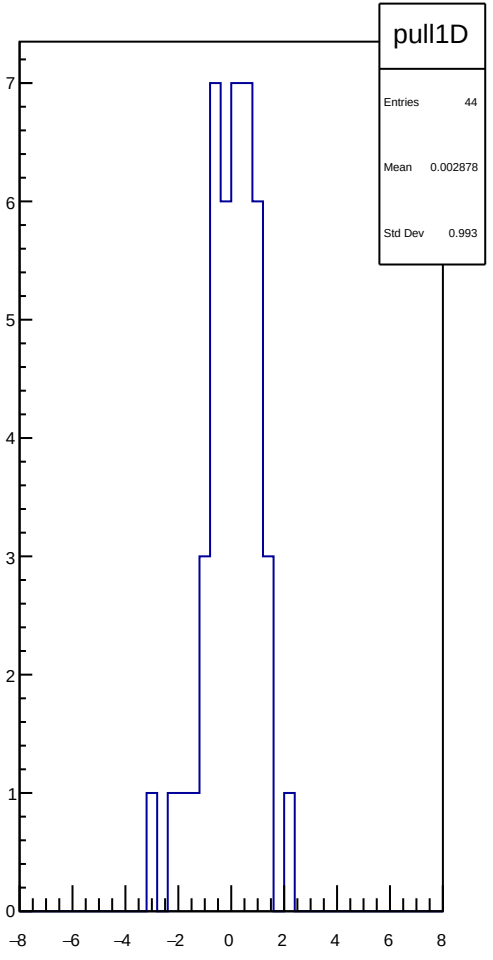

asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 430.8 / 43
p0 2422 ± 2.613
2550
2500
2450
2400
2350
2300
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

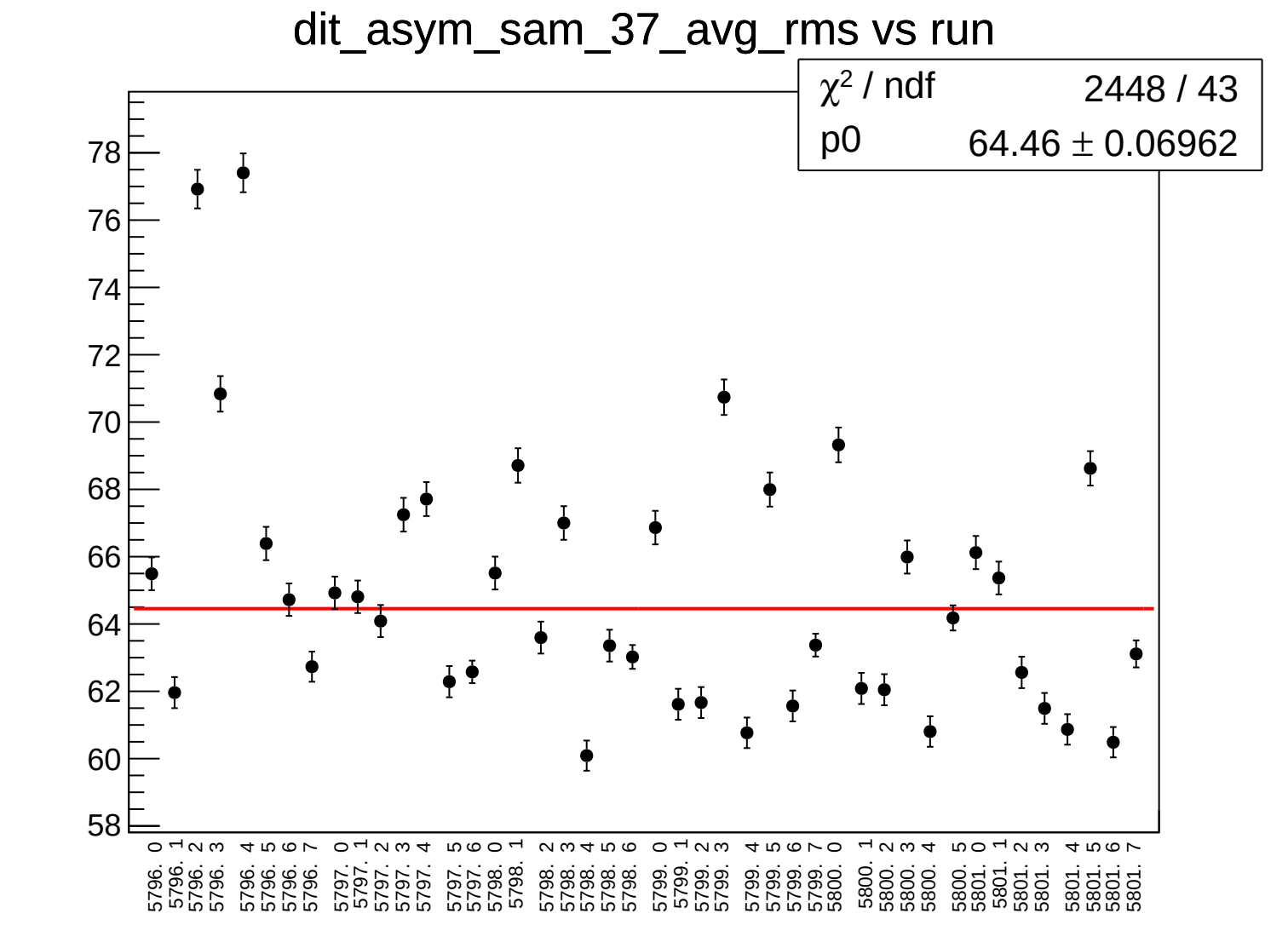

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 39.03 / 43
p0 3125 ± 3666
pull
Entries 44
Mean 14.37
Std Dev 47.47

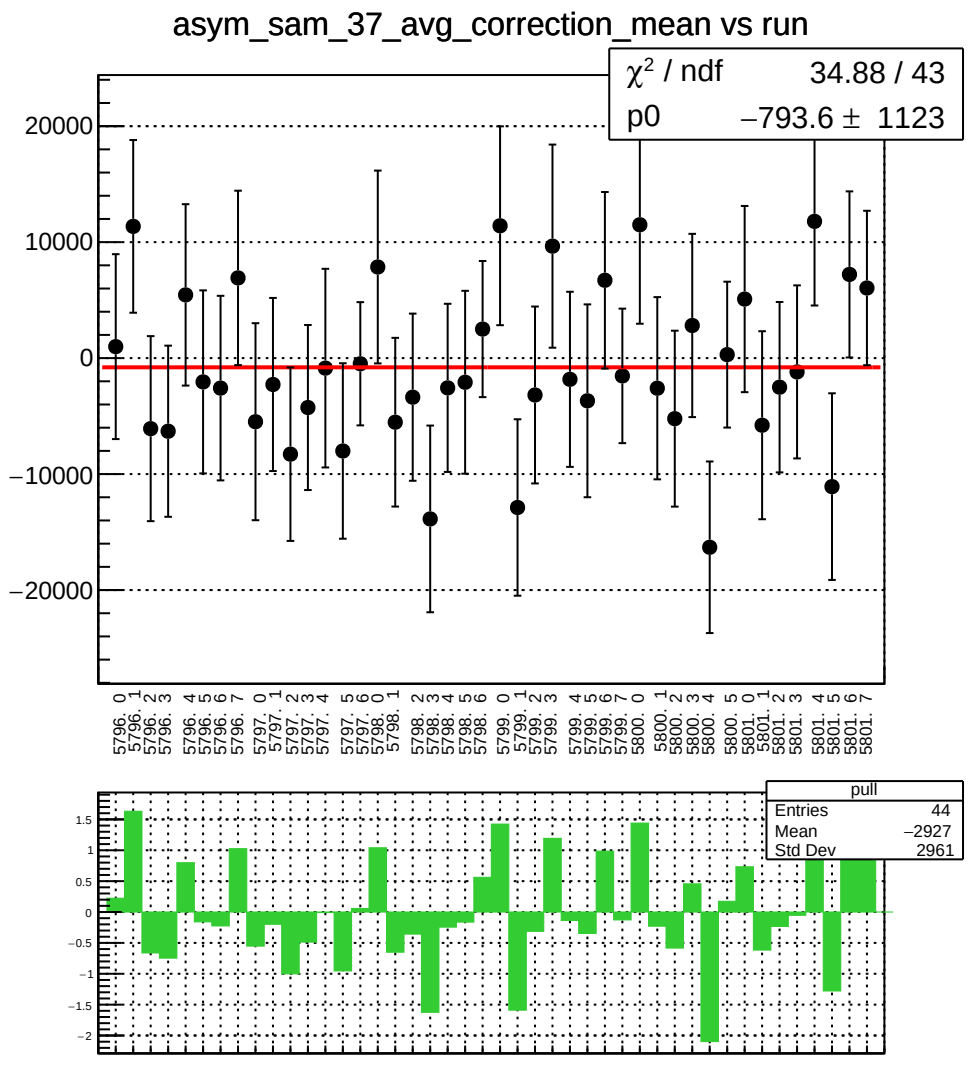

pull1D
Entries 44
Mean 0.00696
Std Dev 0.9419

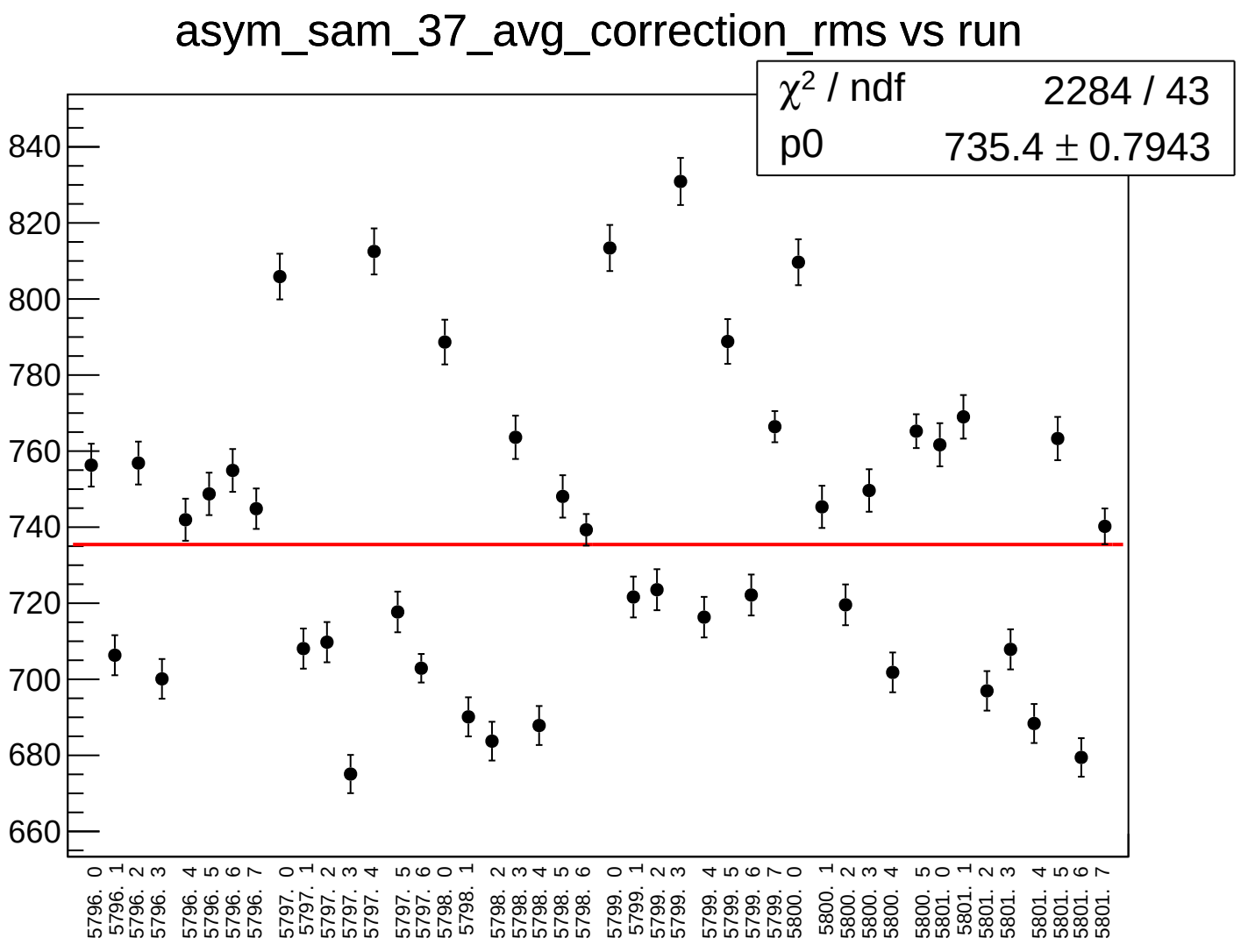

asym_sam_26_avg_rms vs run
χ² / ndf 692.4 / 43
p0 2402 ± 2.592
2650
2600
2550
2500
2450
2400
2350
2300
2250
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

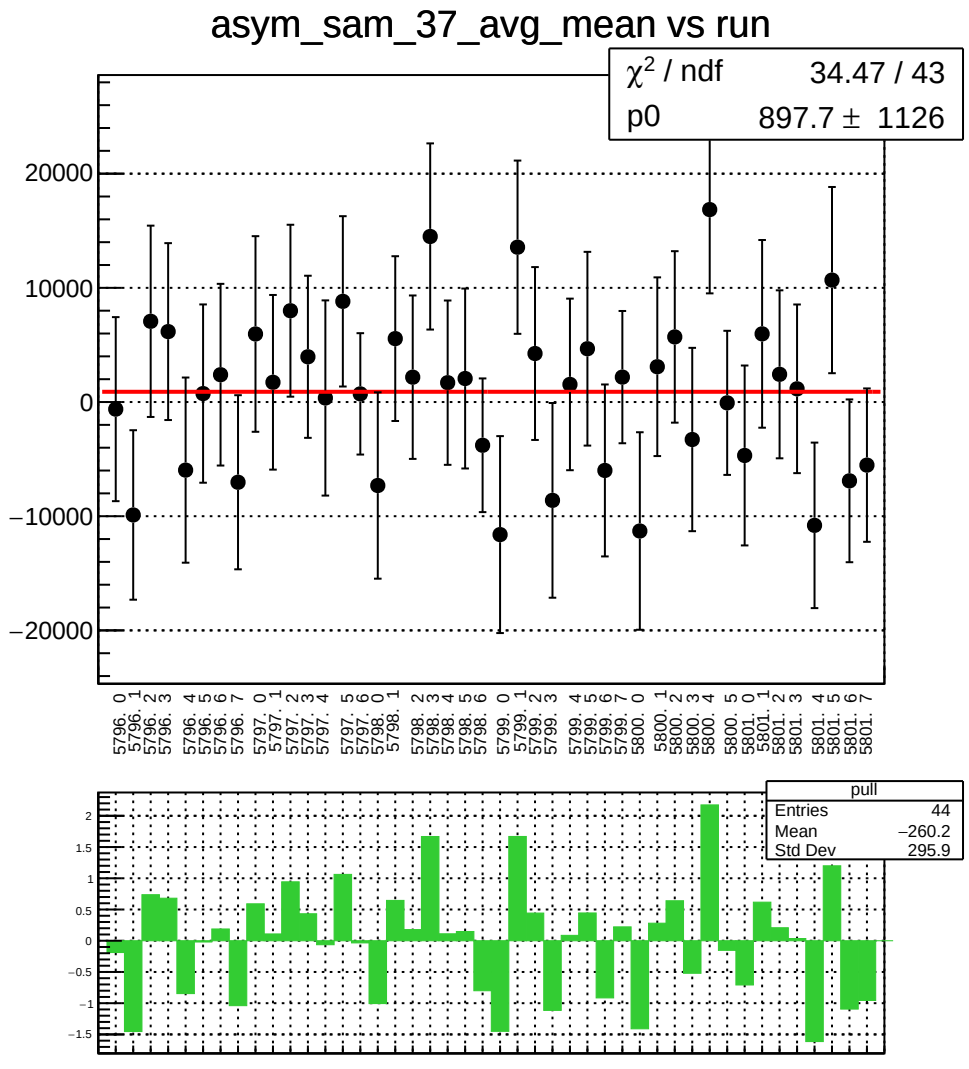

dit_asym_sam_37_avg_mean vs run
χ² / ndf 43.39 / 43
p0 141 ± 98.46
pull
Entries 44
Mean 737.2
Std Dev 710.7

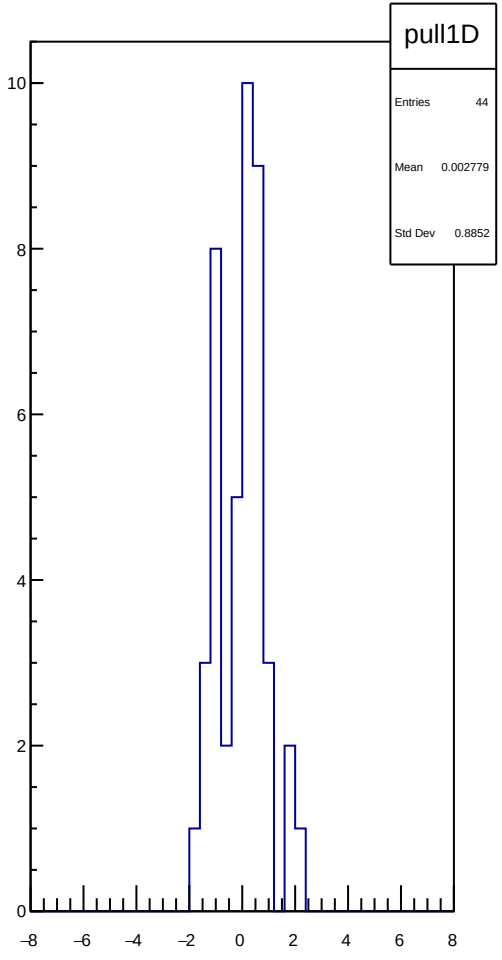

pull1D
Entries 44
Mean 0.002878
Std Dev 0.993

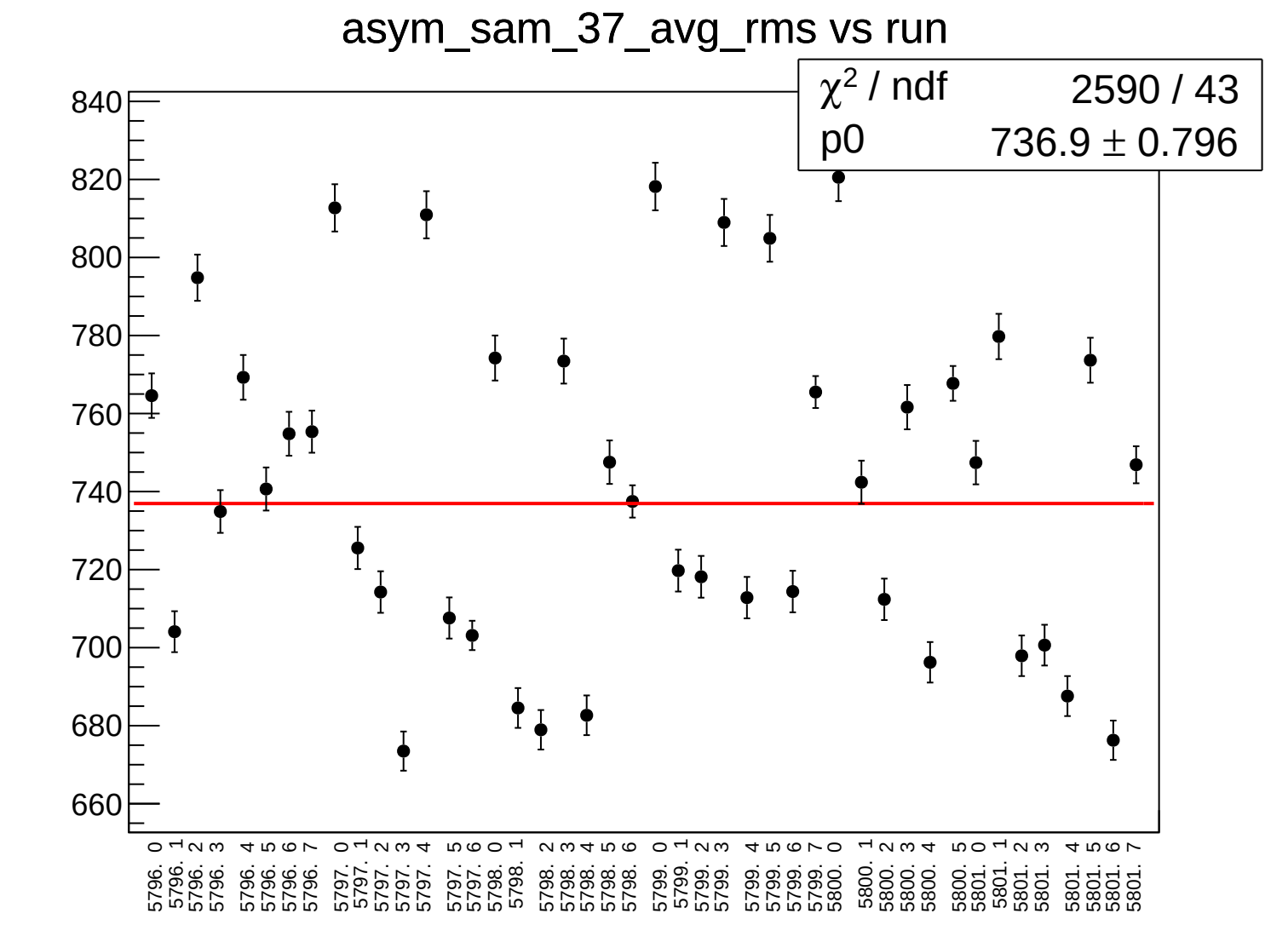

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2448 / 43
p0 64.46 ± 0.06962
78
76
74
72
70
68
66
64
62
60
58
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

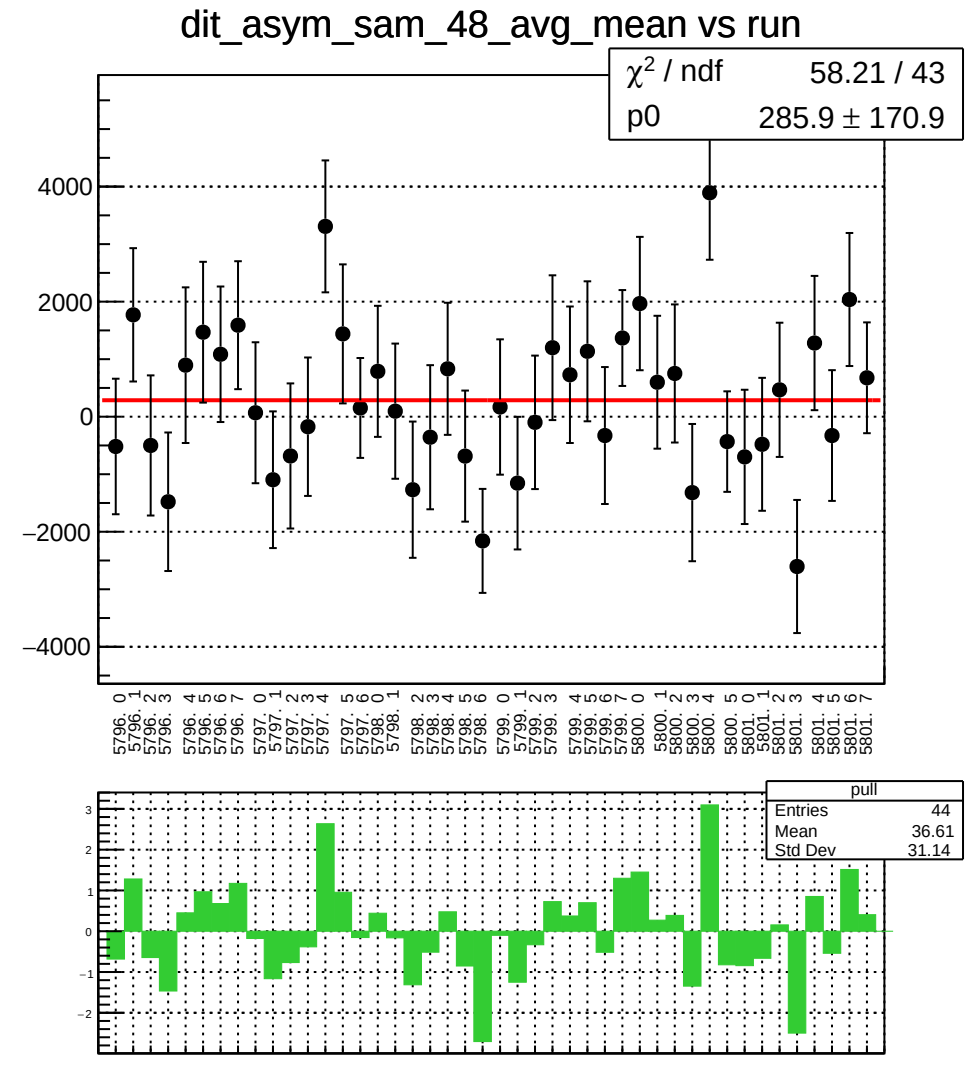

asym_sam_37_avg_correction_mean vs run
χ² / ndf 34.88 / 43
p0 −793.6 ± 1123
20000
10000
0
−10000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −2927
Std Dev 2961
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.0003327
Std Dev 0.8903
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

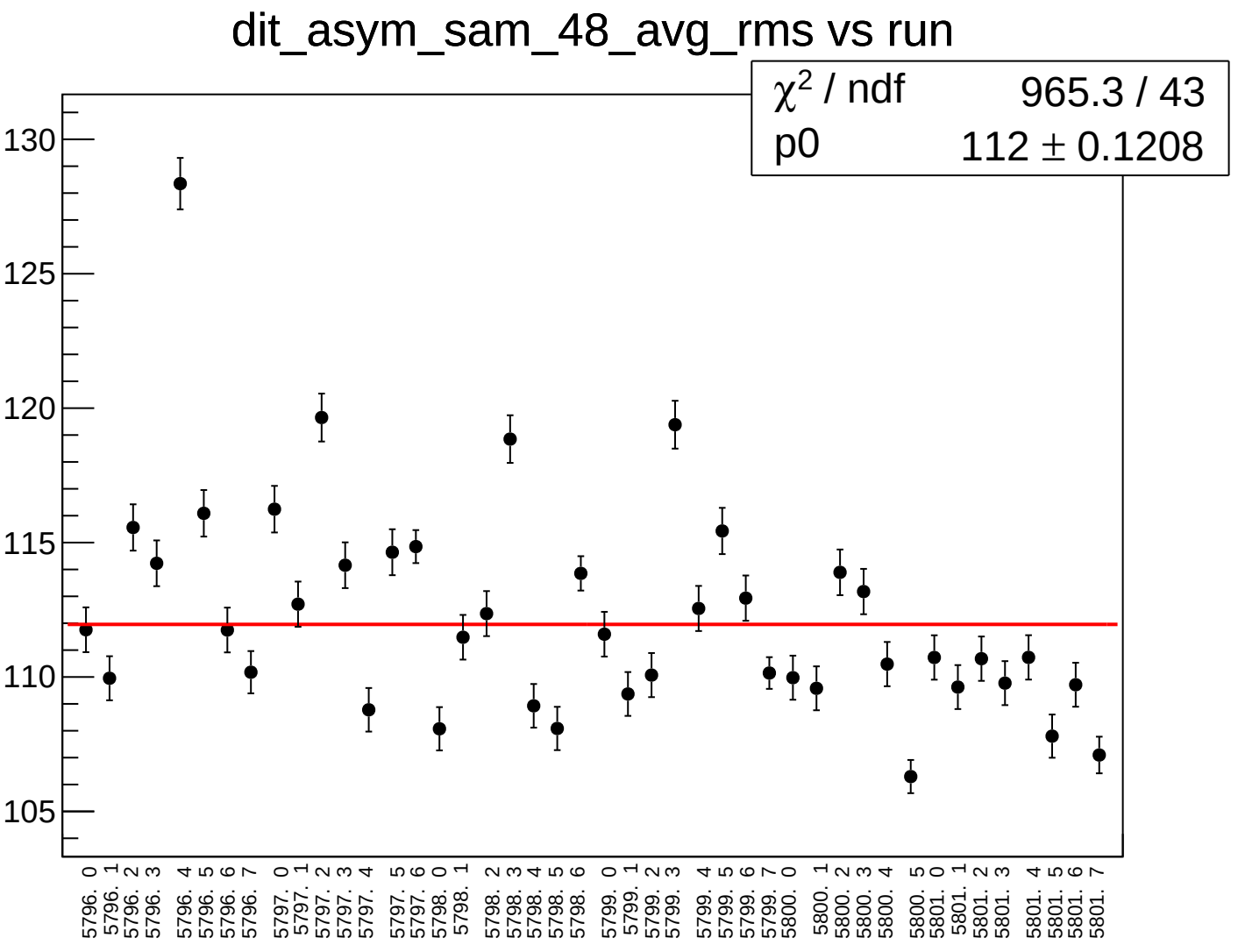

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2284 / 43
p0 735.4 ± 0.7943
840
820
800
780
760
740
720
700
680
660
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

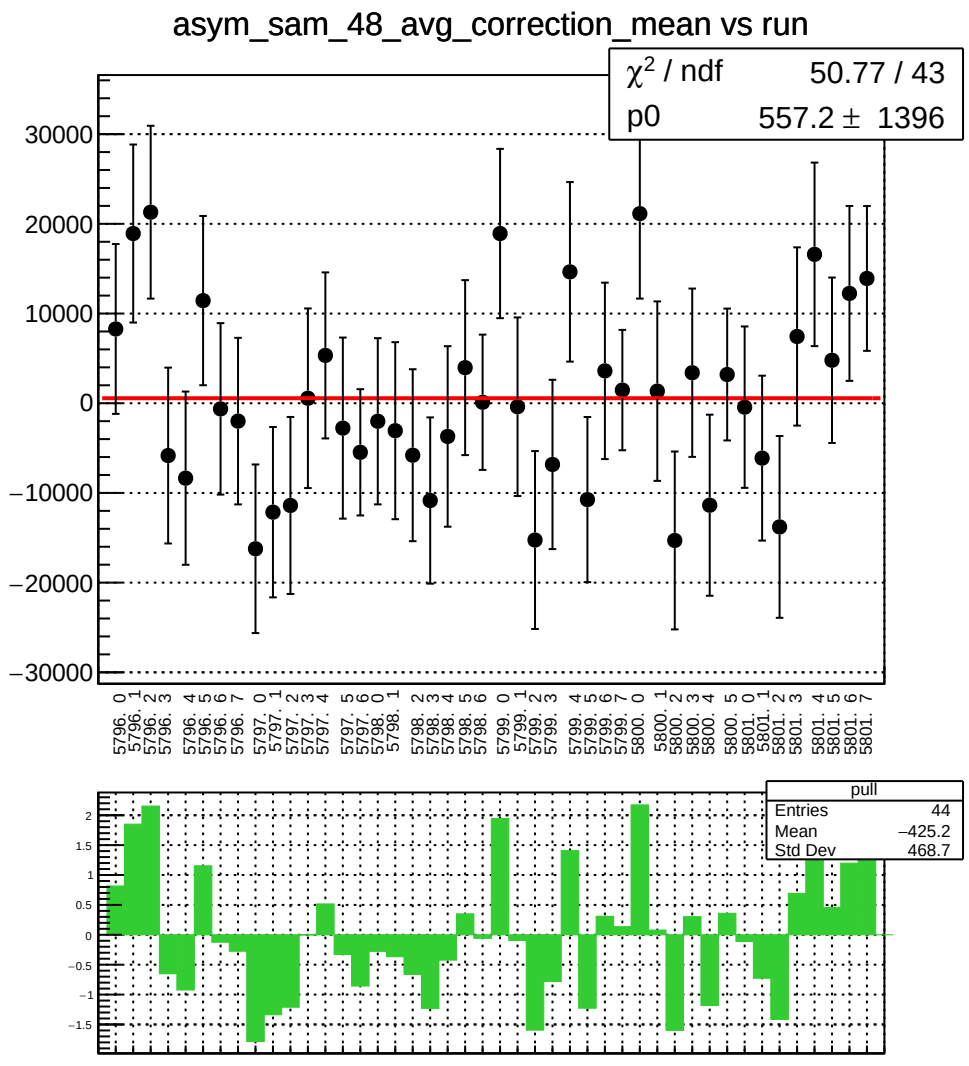

asym_sam_37_avg_mean vs run
χ² / ndf 34.47 / 43
p0 897.7 ± 1126
20000
10000
0
−10000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −260.2
Std Dev 295.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

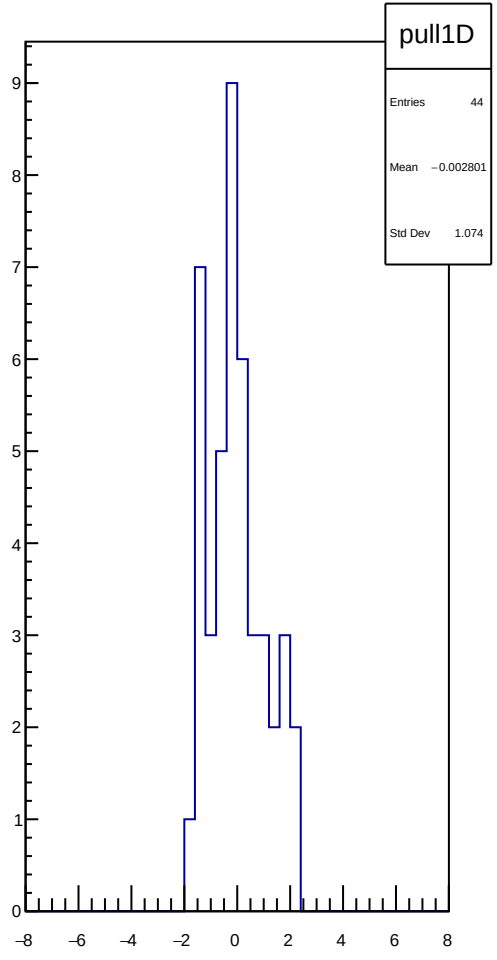

pull1D
Entries 44
Mean 0.002779
Std Dev 0.8852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

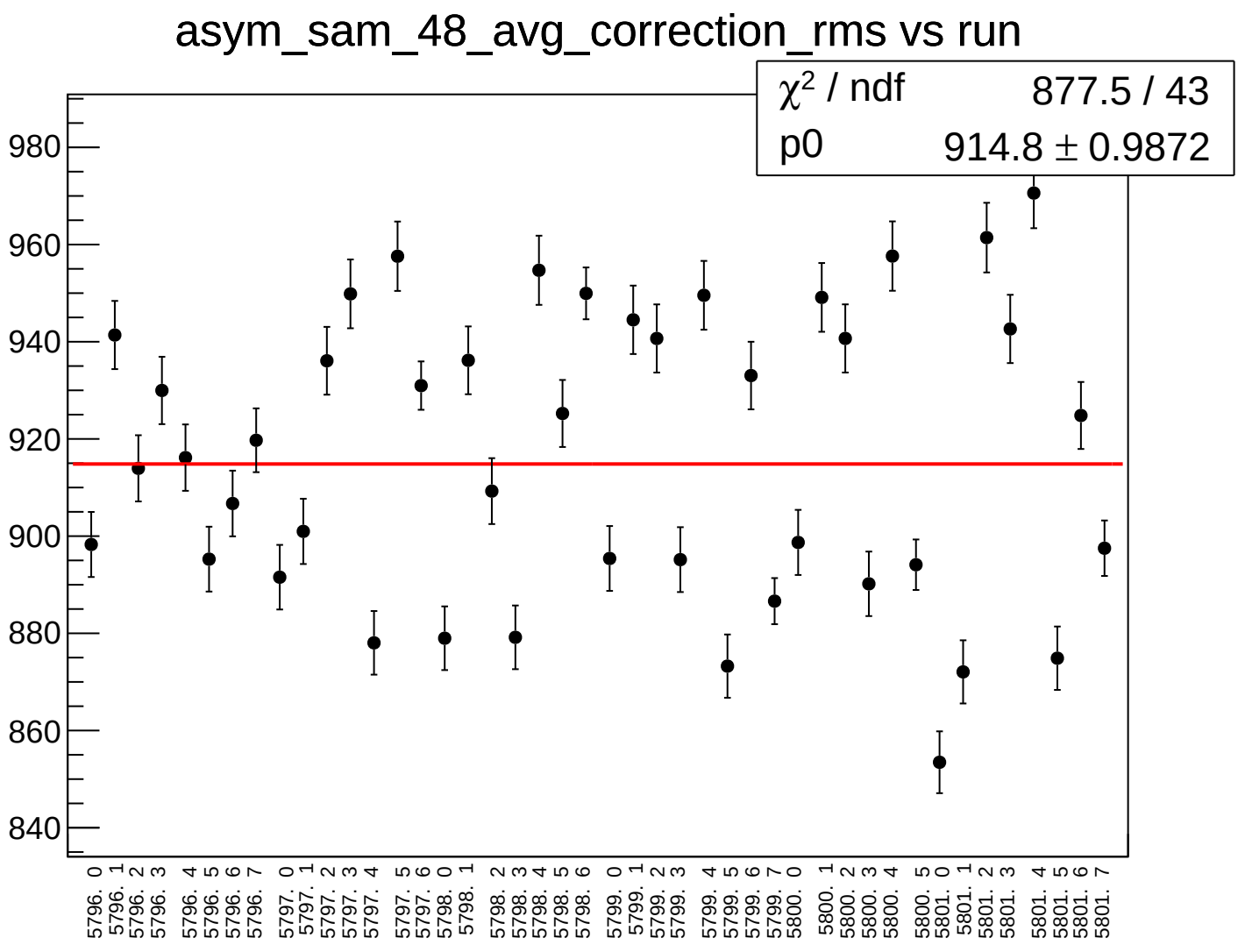

asym_sam_37_avg_rms vs run
χ² / ndf 2590 / 43
p0 736.9 ± 0.796
840
820
800
780
760
740
720
700
680
660
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

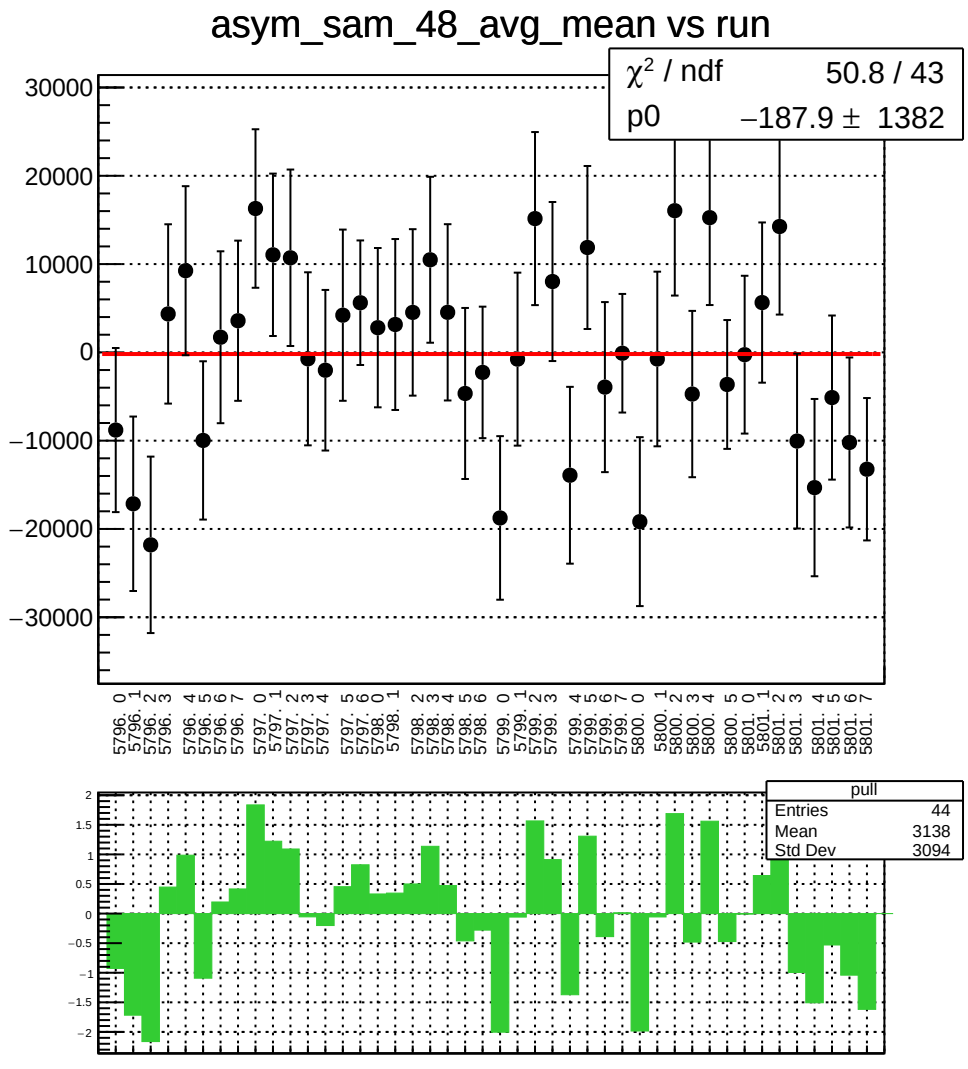

dit_asym_sam_48_avg_mean vs run
χ² / ndf 58.21 / 43
p0 285.9 ± 170.9
4000
2000
0
−2000
−4000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 36.61
Std Dev 31.14
3
2
1
0
−1
−2
pull1D
Entries 44
Mean 0.009063
Std Dev 1.15
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

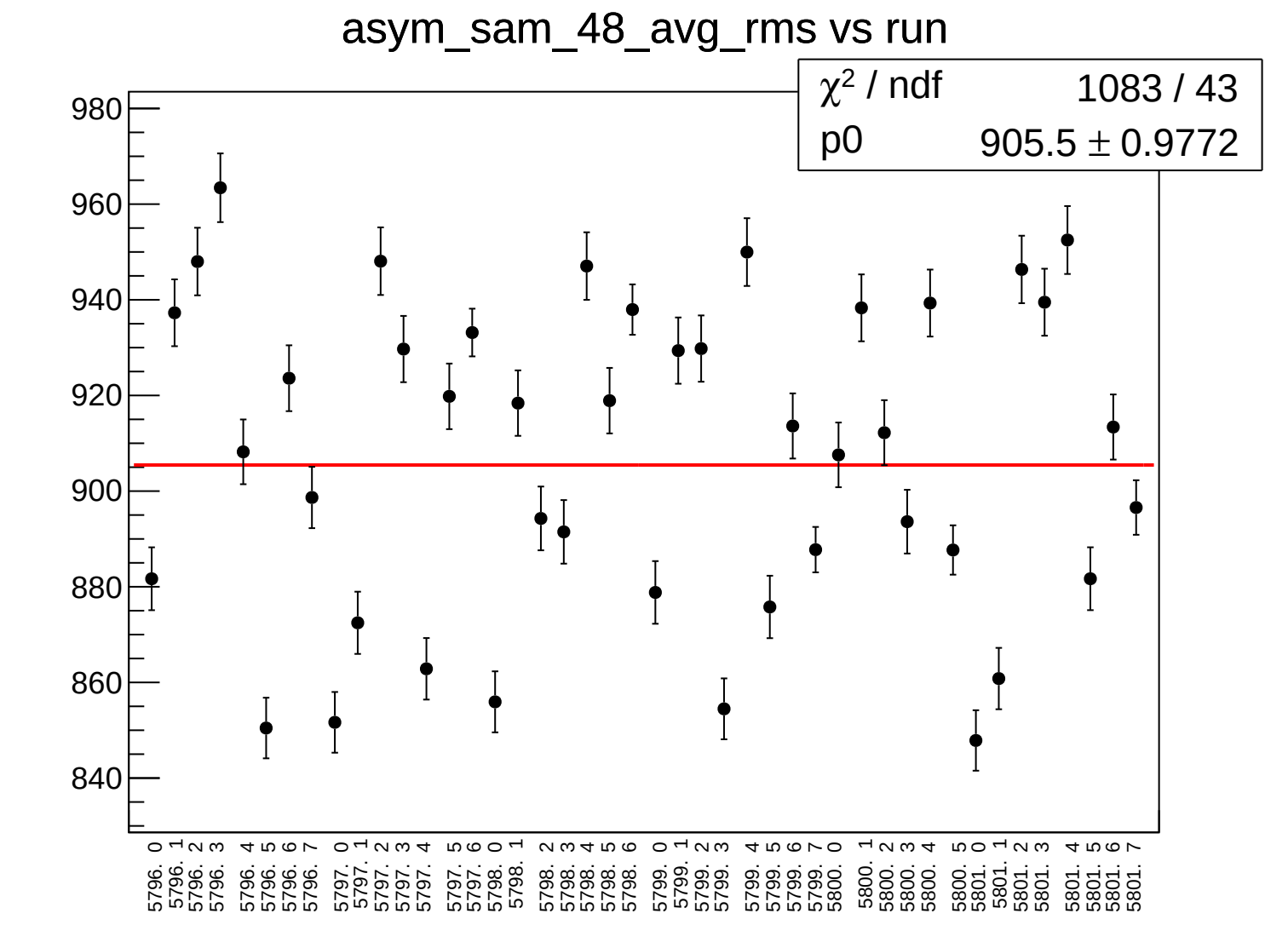

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 965.3 / 43
p0 112 ± 0.1208
130
125
120
115
110
105
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

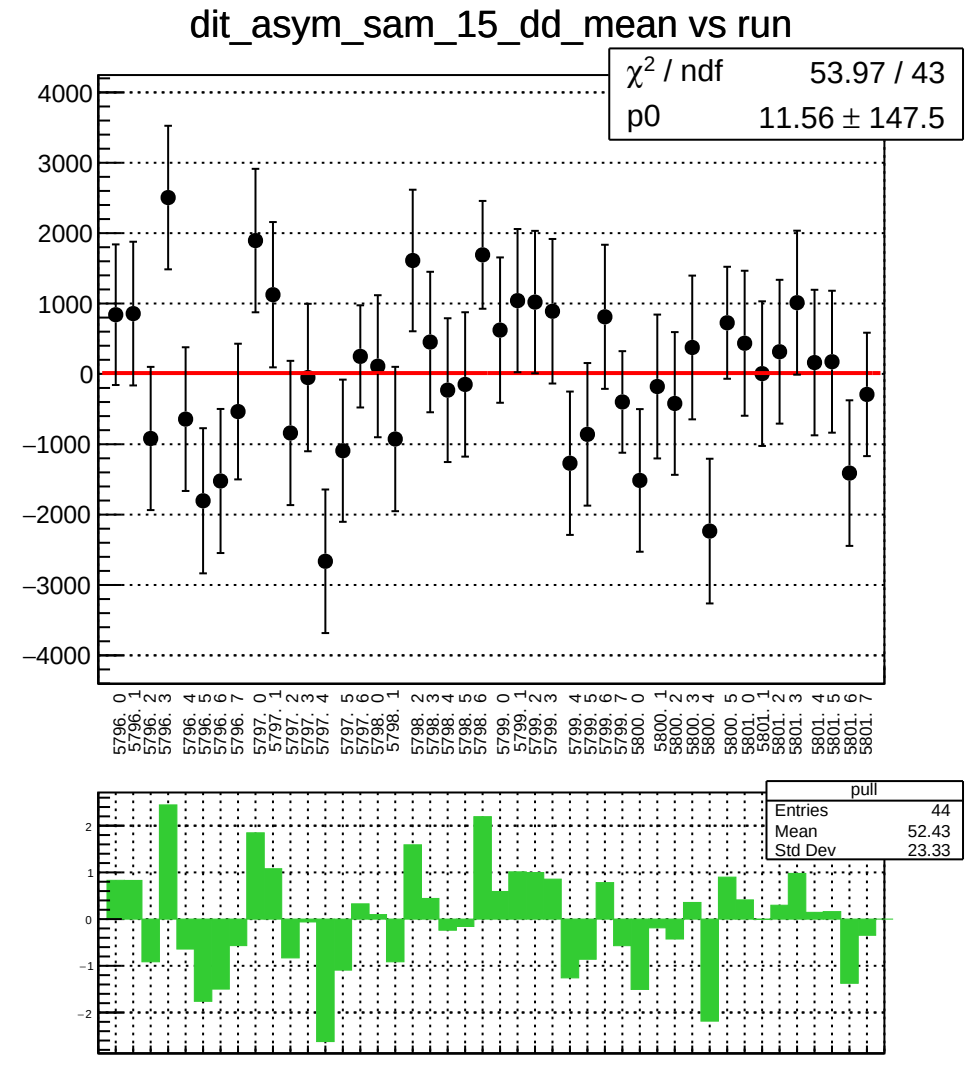

asym_sam_48_avg_correction_mean vs run
χ² / ndf 50.77 / 43
p0 557.2 ± 1396
30000
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −425.2
Std Dev 468.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

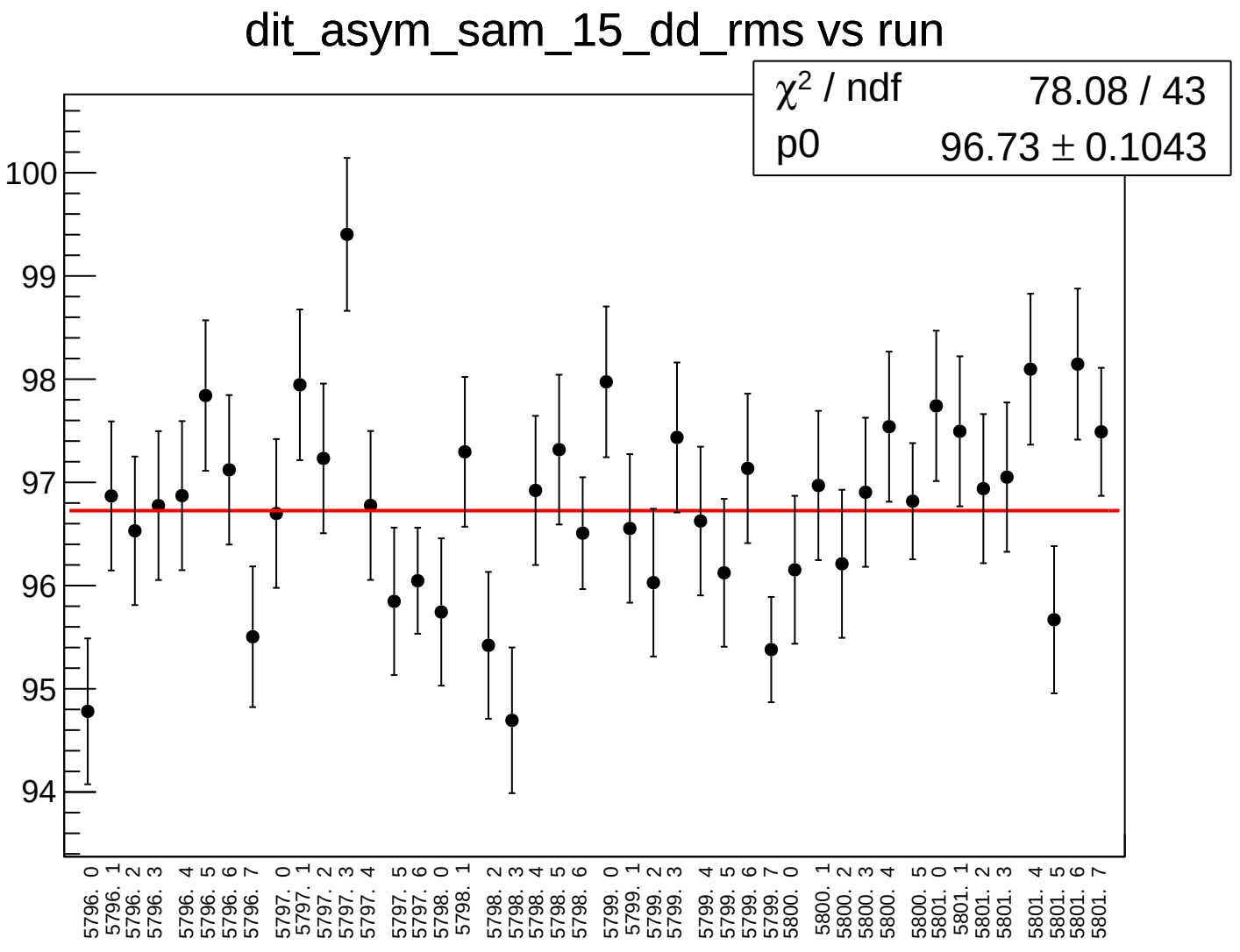

pull1D
Entries 44
Mean −0.002801
Std Dev 1.074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

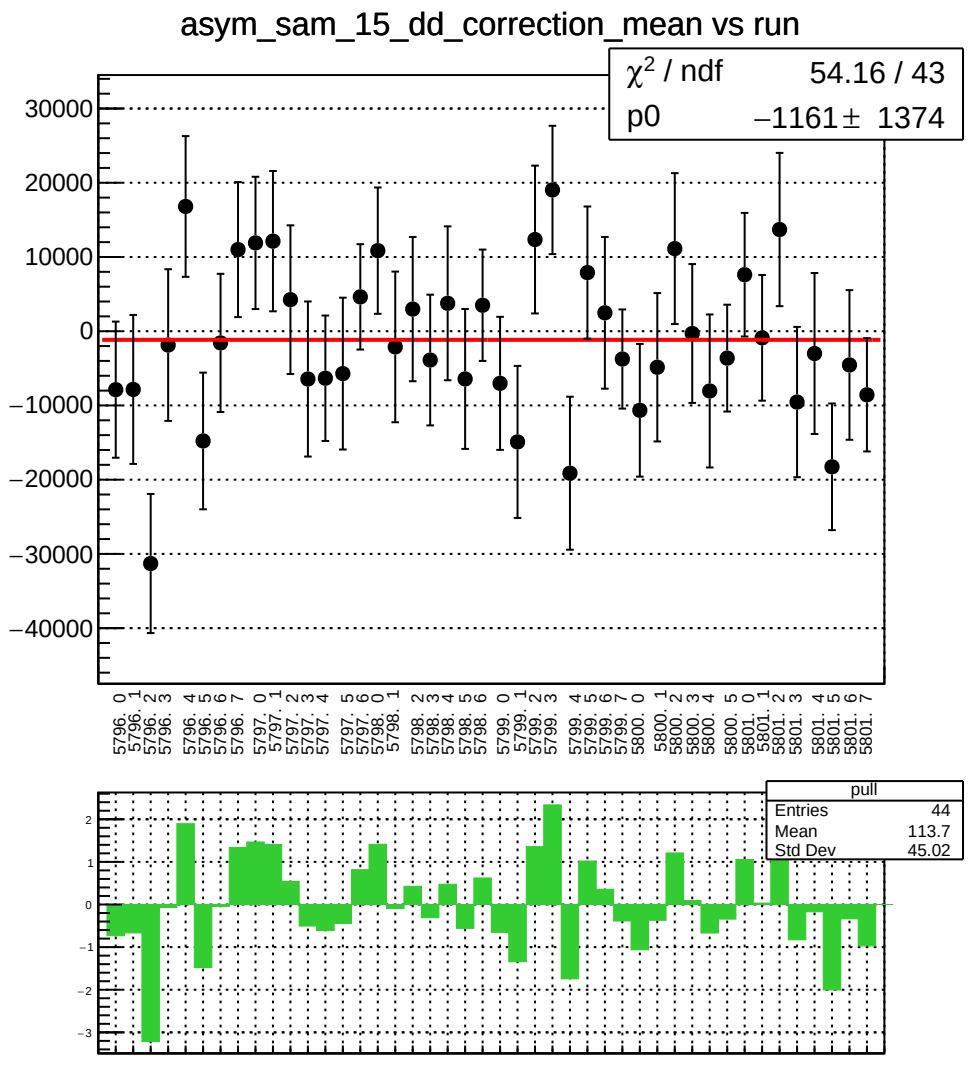

asym_sam_48_avg_correction_rms vs run
χ² / ndf 877.5 / 43
p0 914.8 ± 0.9872
980
960
940
920
900
880
860
840
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

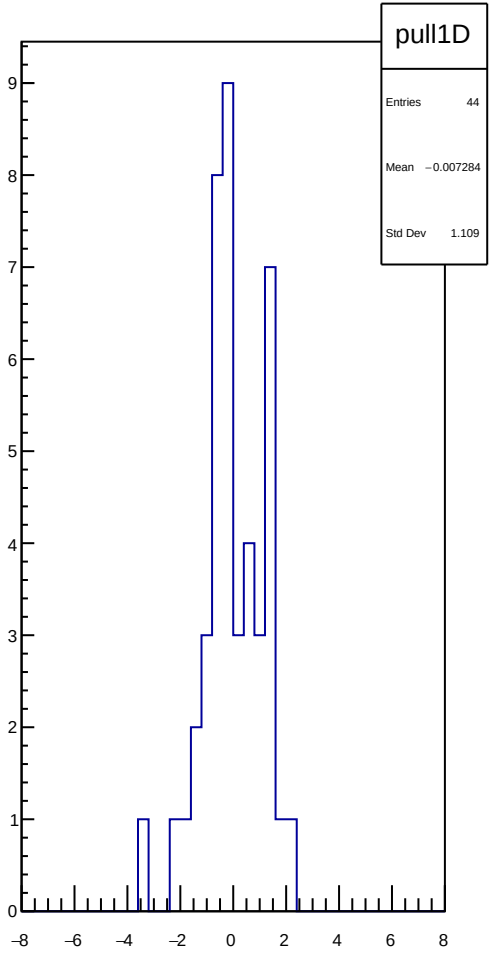

asym_sam_48_avg_mean vs run
χ² / ndf 50.8 / 43
p0 −187.9 ± 1382
30000
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 3138
Std Dev 3094
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.0004054
Std Dev 1.075
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

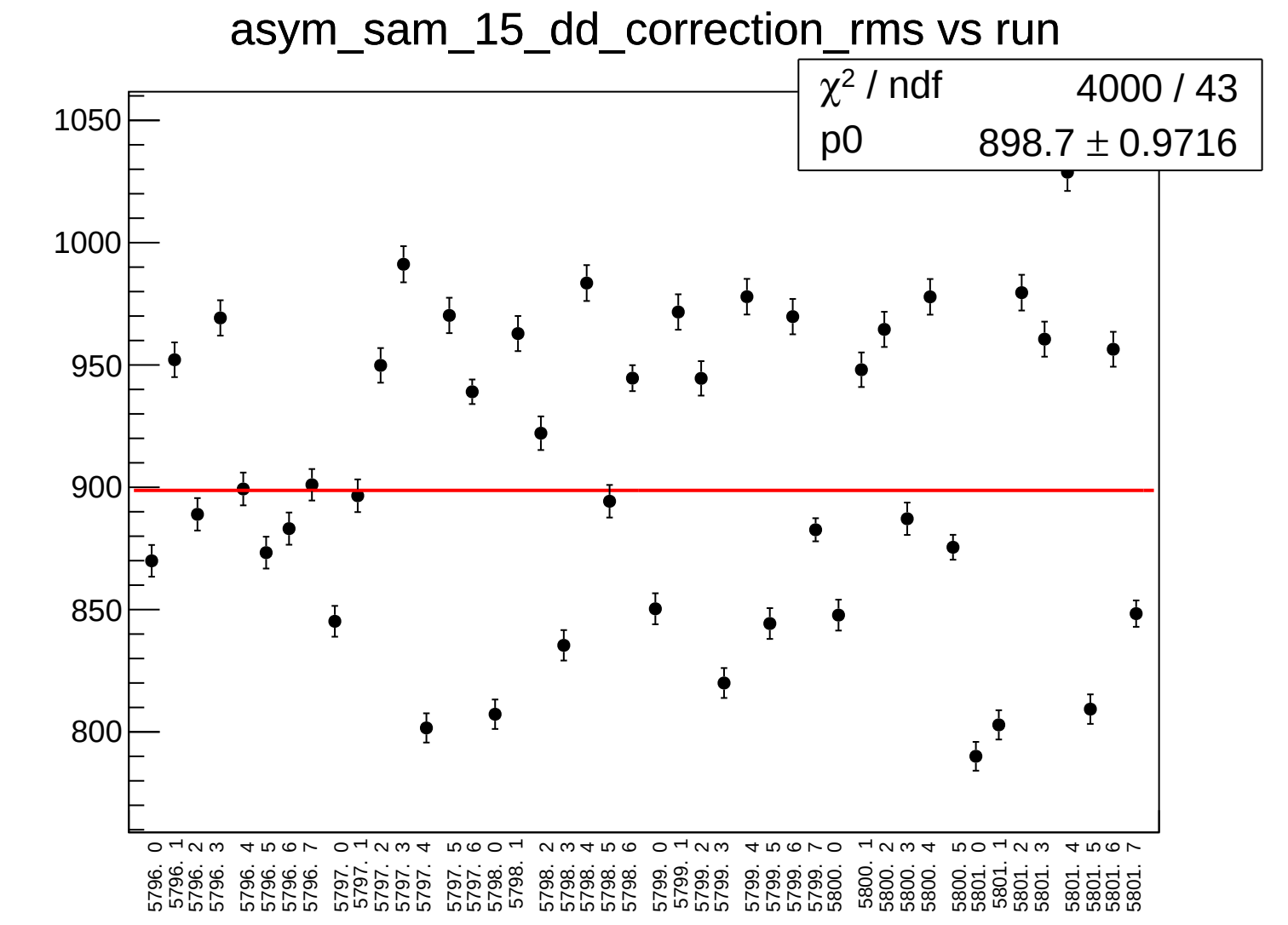

asym_sam_48_avg_rms vs run
χ^2 / ndf 1083 / 43
p0 905.5 ± 0.9772
980
960
940
920
900
880
860
840
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

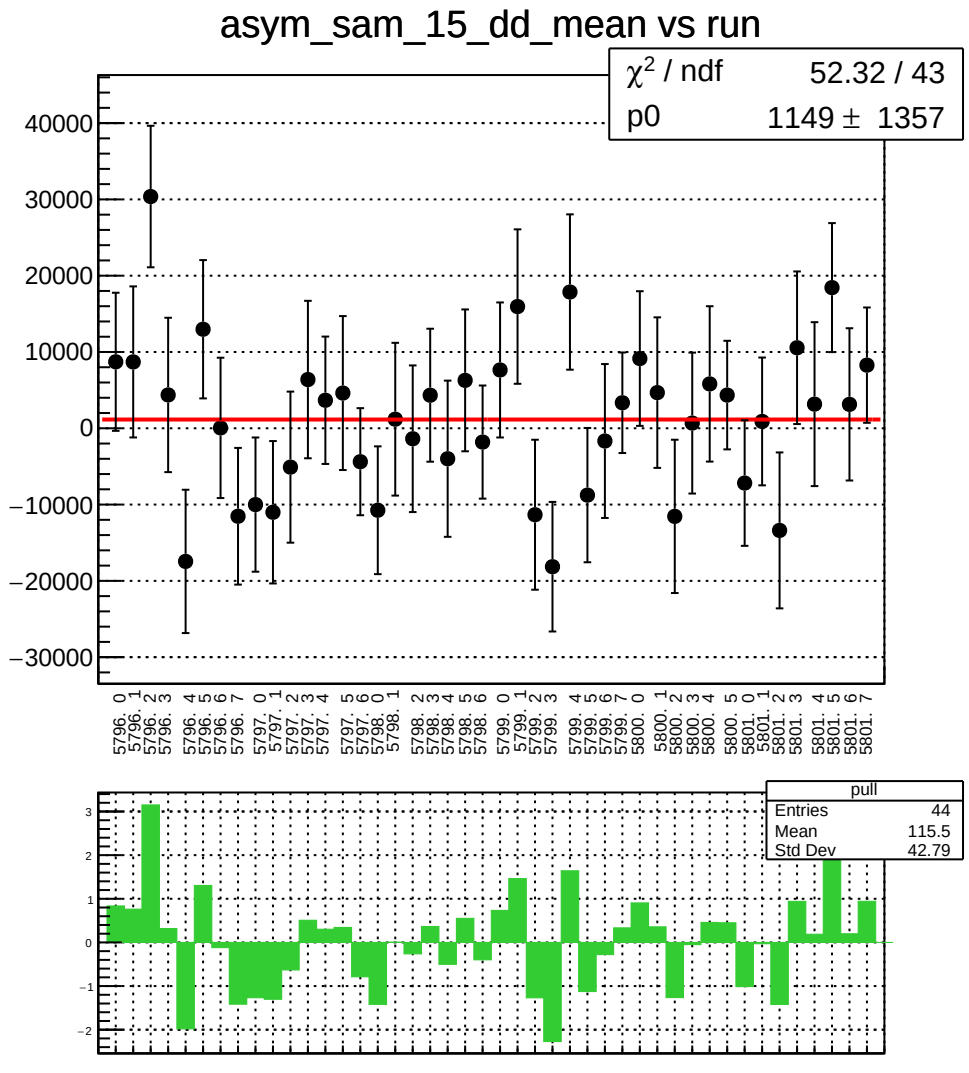

dit_asym_sam_15_dd_mean vs run
χ² / ndf 53.97 / 43
p0 11.56 ± 147.5
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 52.43
Std Dev 23.33
2
1
0
−1
−2
pull1D
Entries 44
Mean −0.01939
Std Dev 1.107
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

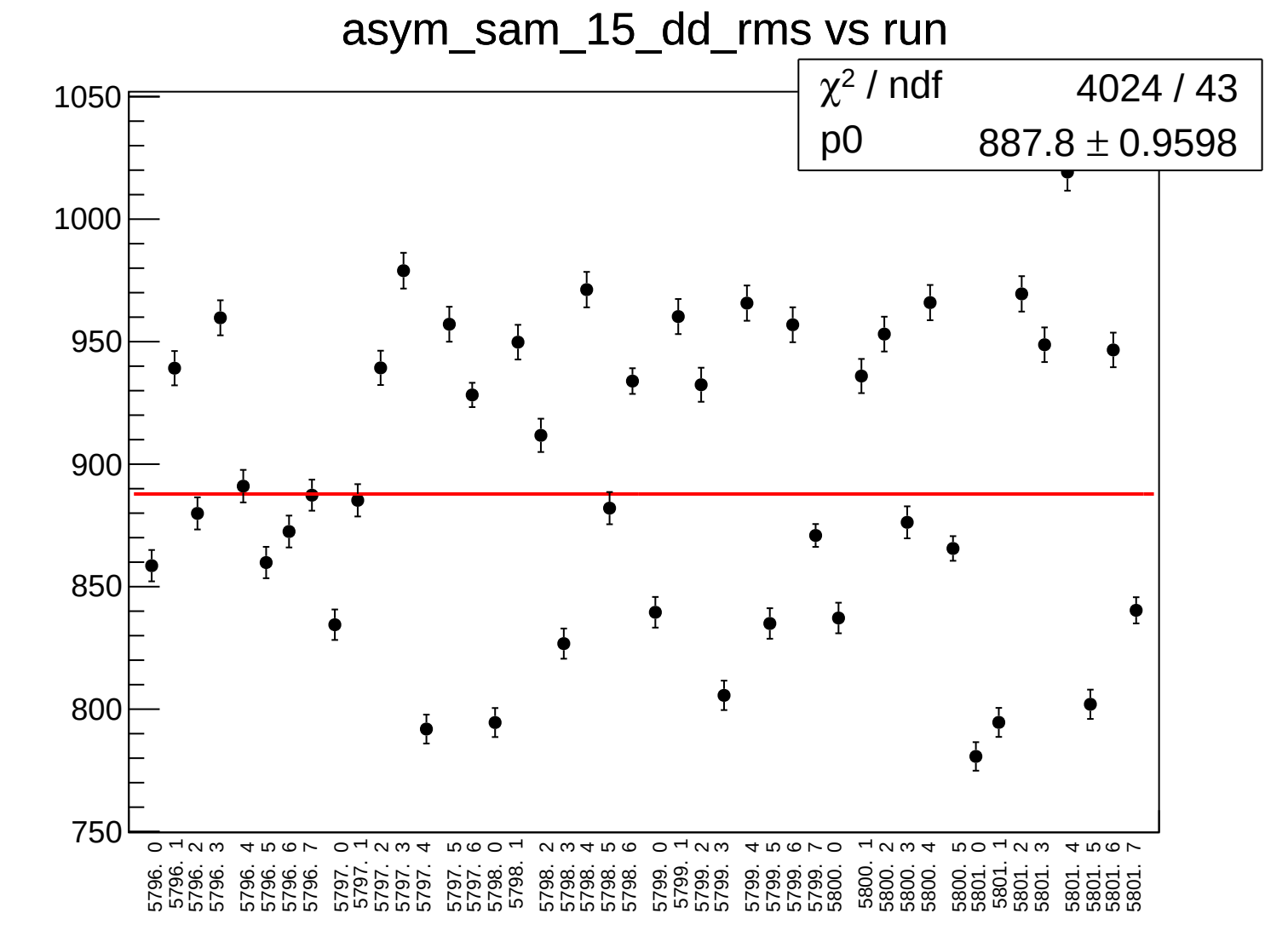

dit_asym_sam_15_dd_rms vs run
χ² / ndf 78.08 / 43
p0 96.73 ± 0.1043
100
99
98
97
96
95
94
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

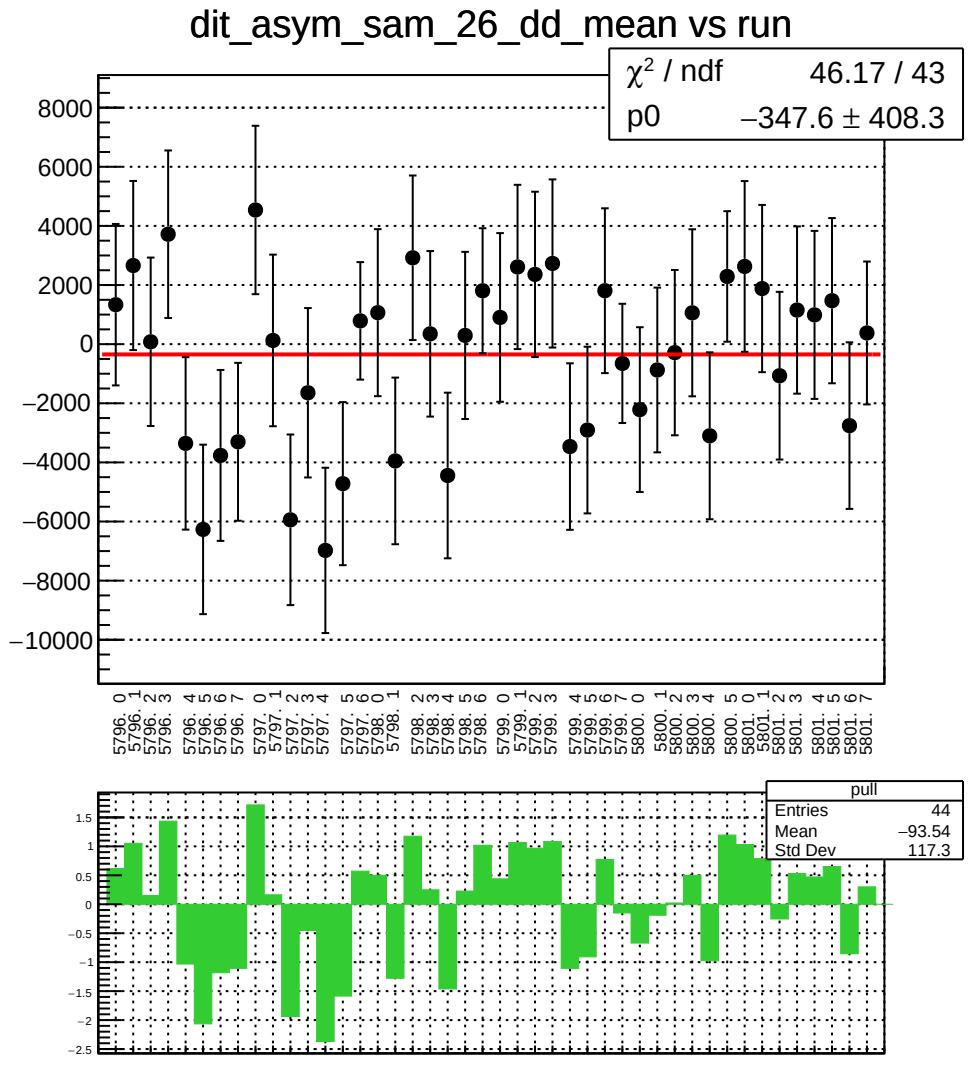

asym_sam_15_dd_correction_mean vs run
χ² / ndf 54.16 / 43
p0 −1161 ± 1374
30000
20000
10000
0
−10000
−20000
−30000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 113.7
Std Dev 45.02
2
1
0
−1
−2
−3

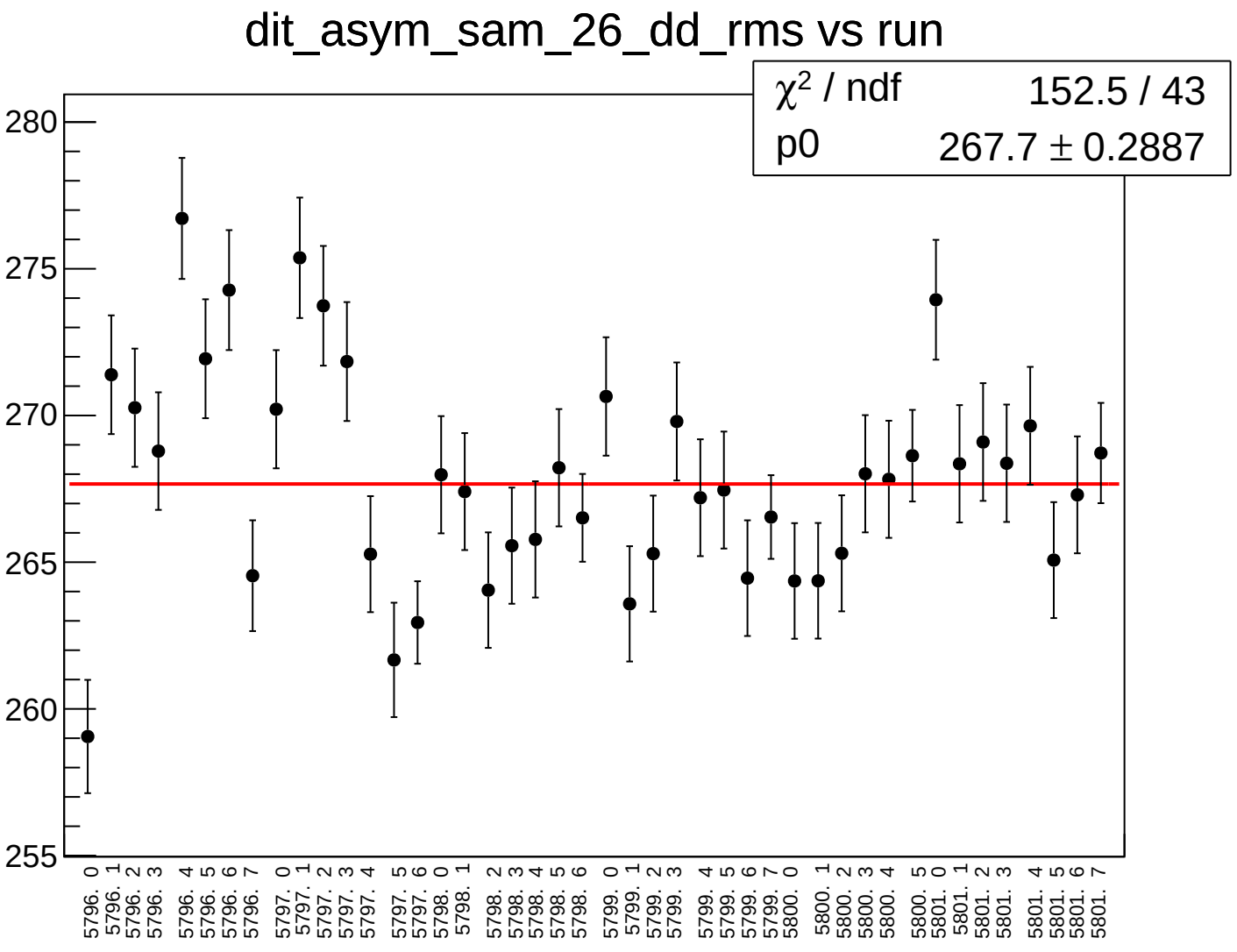

pull1D
Entries 44
Mean −0.007284
Std Dev 1.109
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

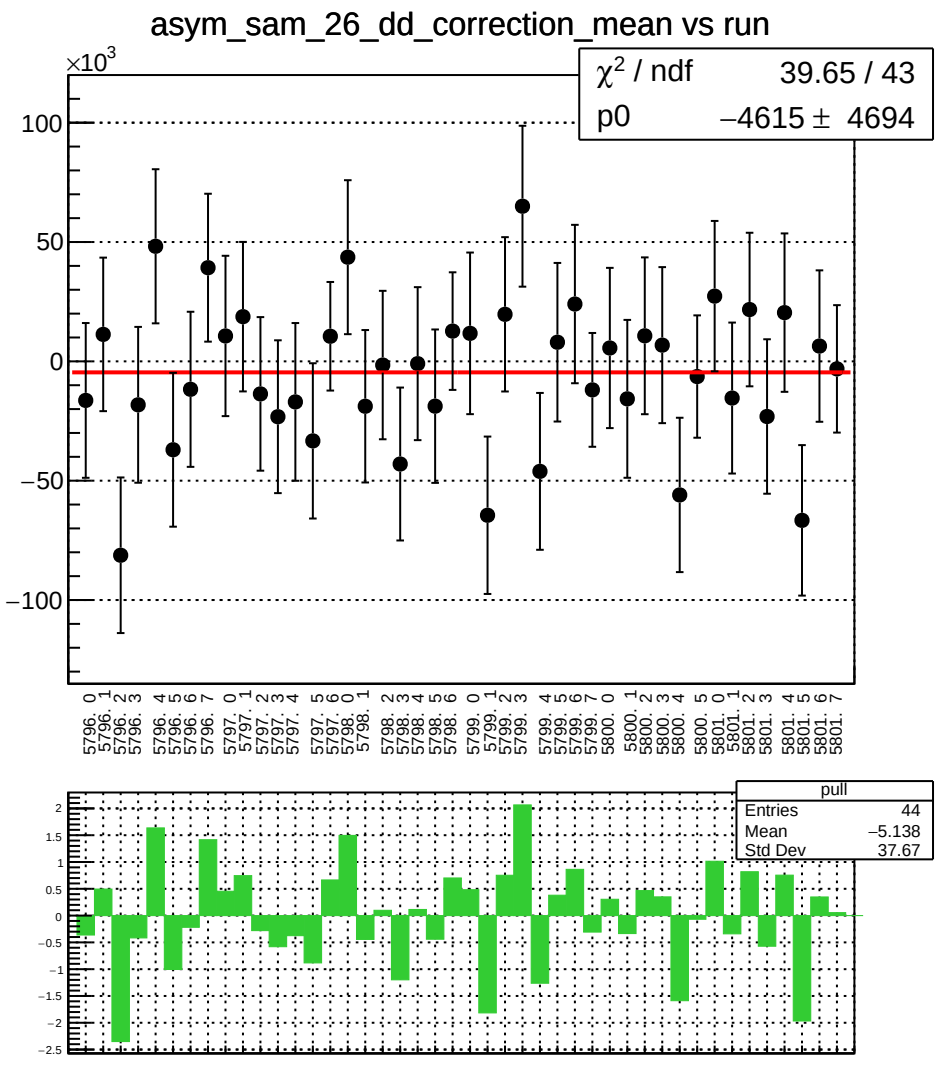

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4000 / 43
p0 898.7 ± 0.9716
1050
1000
950
900
850
800
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

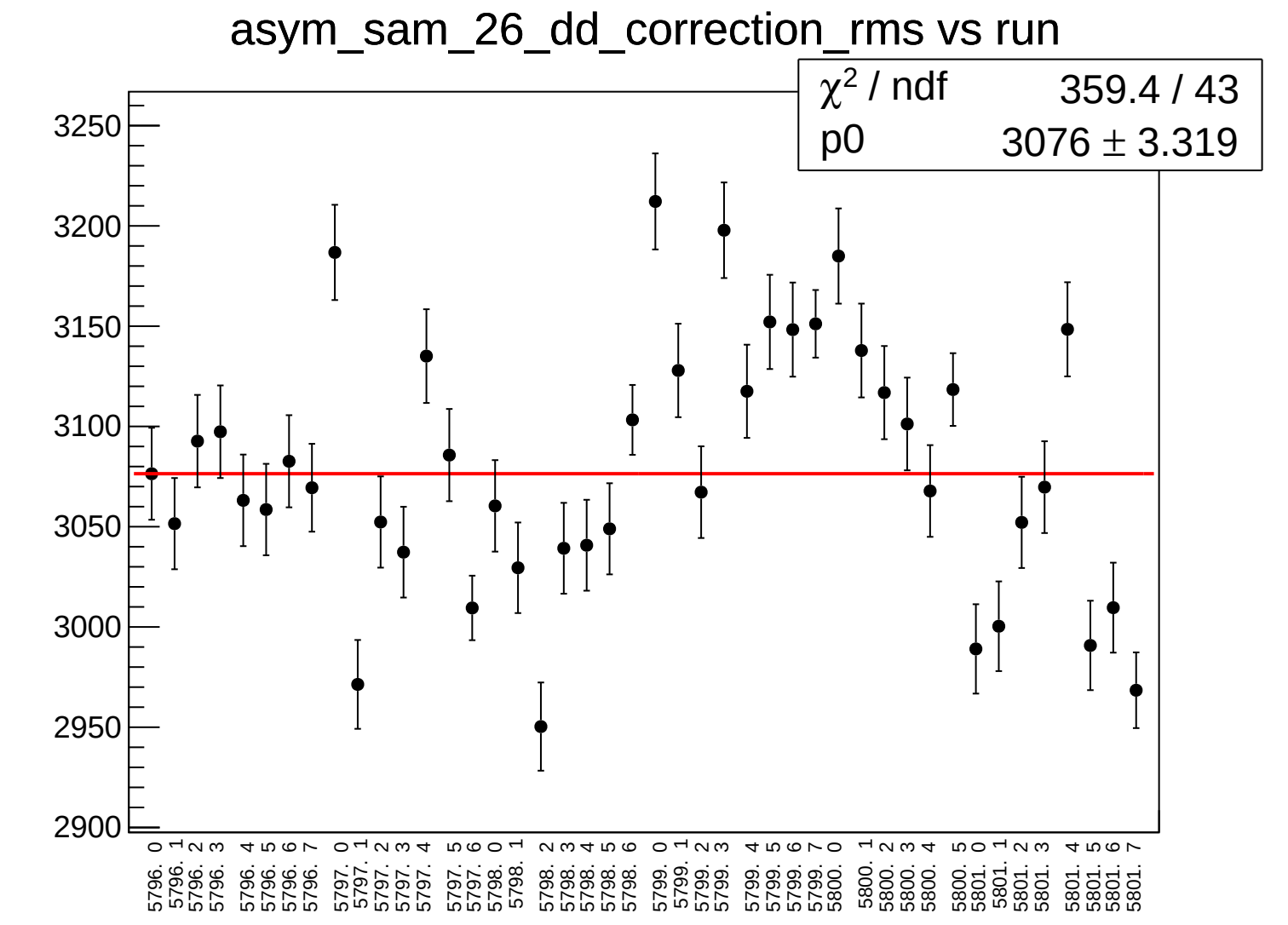

asym_sam_15_dd_mean vs run
χ^2 / ndf 52.32 / 43
p0 1149 ± 1357
40000
30000
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 115.5
Std Dev 42.79
3
2
1
0
−1
−2
pull1D
Entries 44
Mean 0.00672
Std Dev 1.09
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

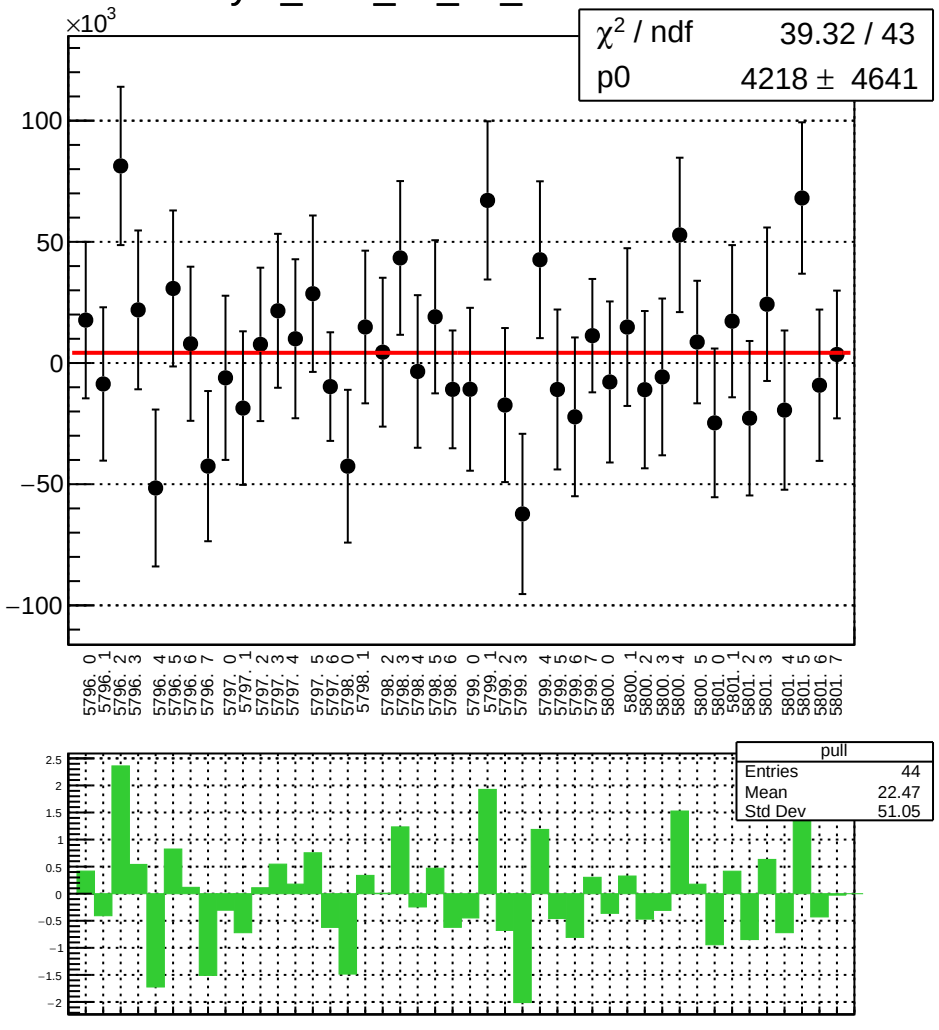

asym_sam_15_dd_rms vs run
χ² / ndf 4024 / 43
p0 887.8 ± 0.9598
1050
1000
950
900
850
800
750
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

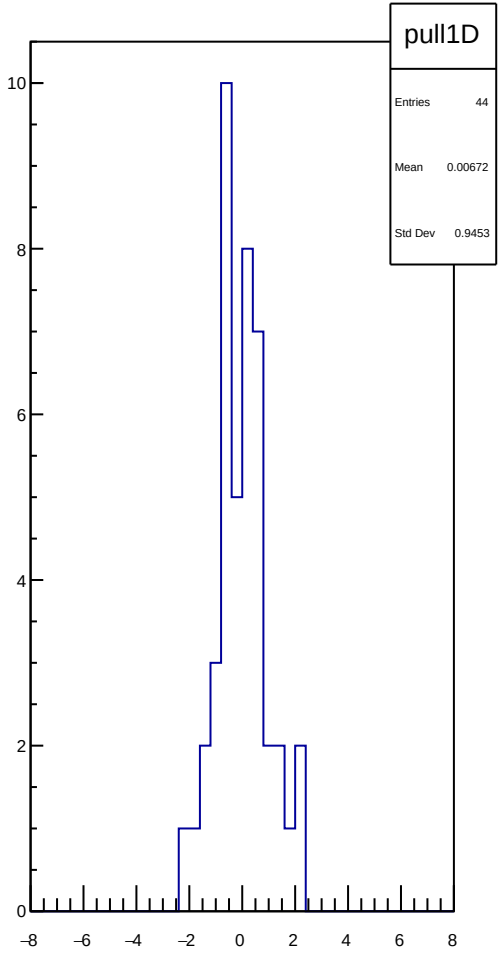

dit_asym_sam_26_dd_mean vs run
χ² / ndf 46.17 / 43
p0 −347.6 ± 408.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −93.54
Std Dev 117.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 44
Mean −0.02029
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

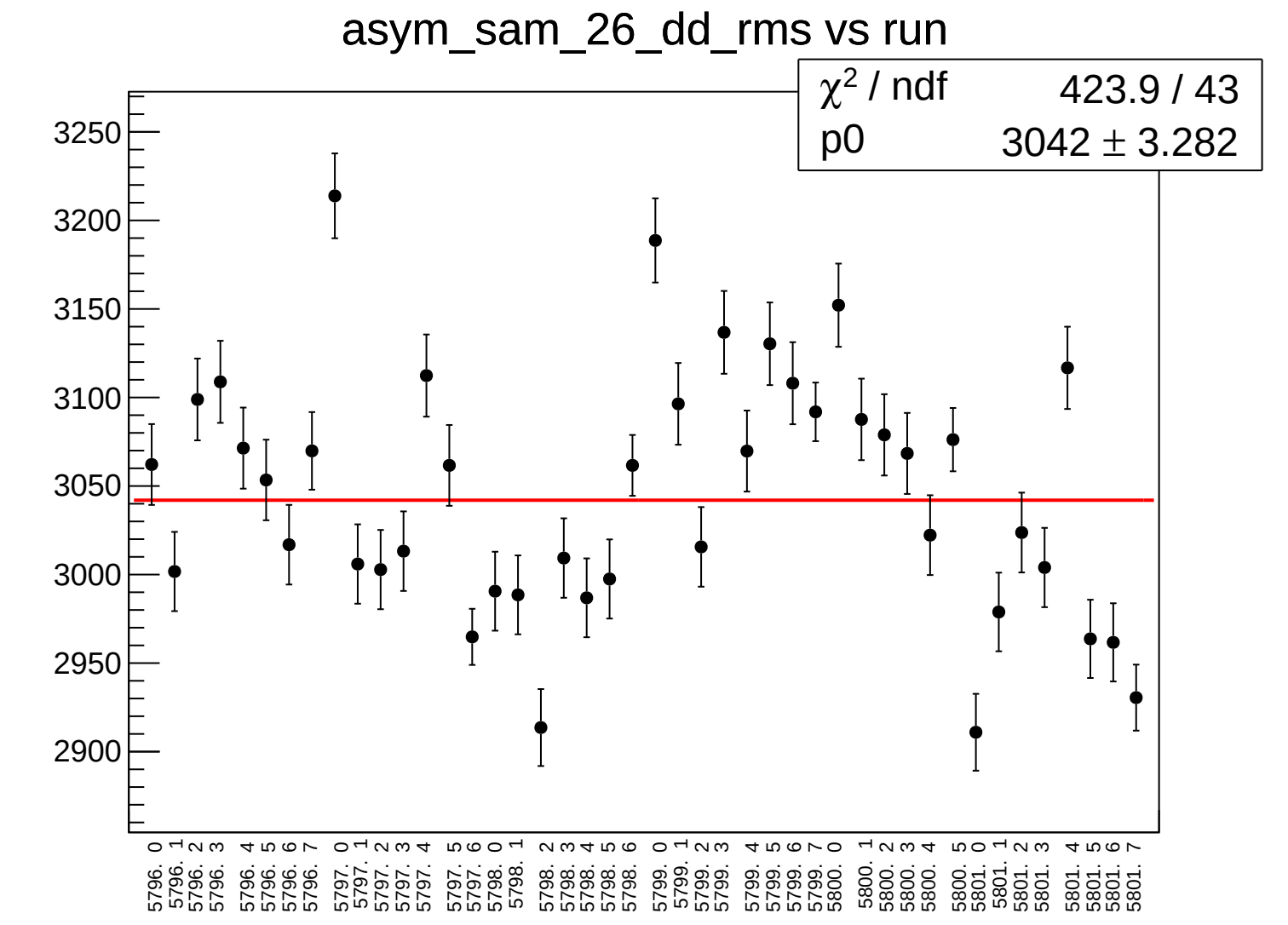

dit_asym_sam_26_dd_rms vs run
χ² / ndf 152.5 / 43
p0 267.7 ± 0.2887
280
275
270
265
260
255
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

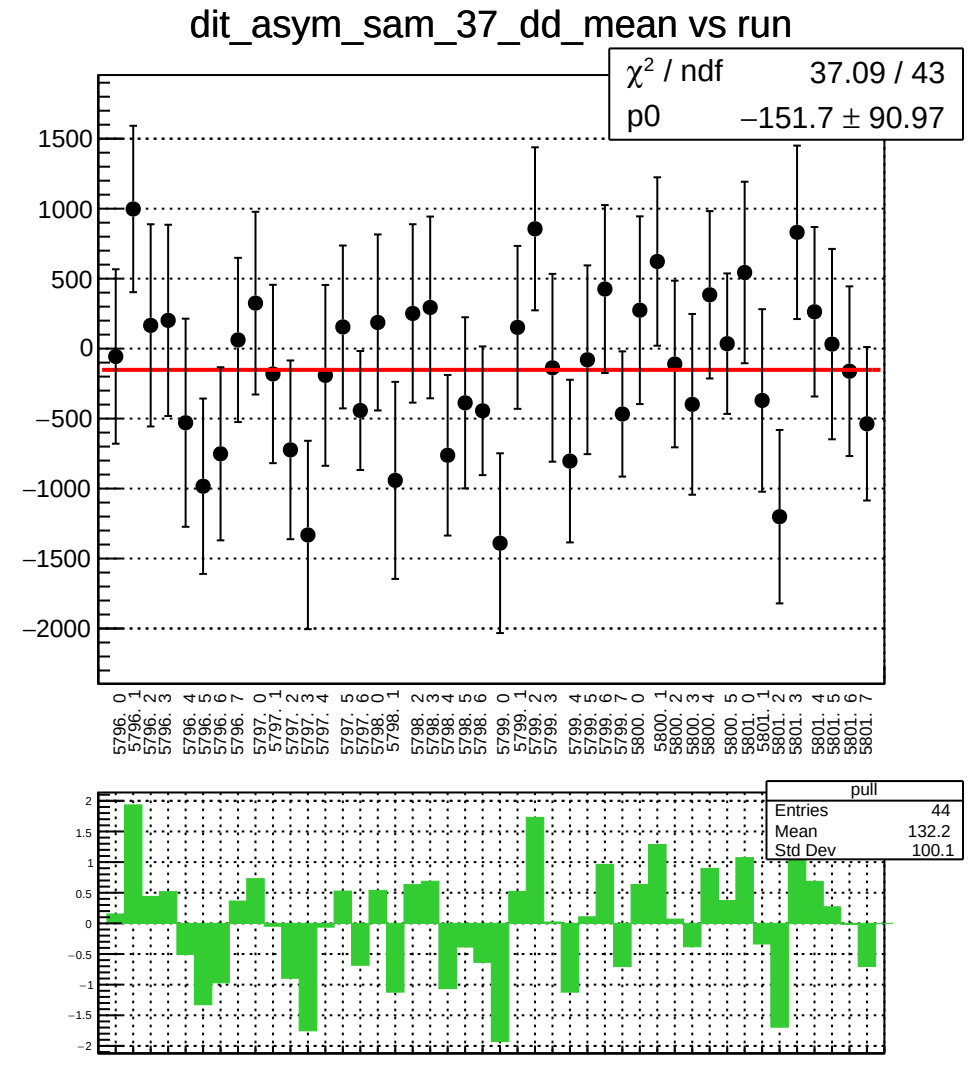

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 39.65 / 43
p0 −4615 ± 4694
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −5.138
Std Dev 37.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 44
Mean −0.007672
Std Dev 0.9492
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

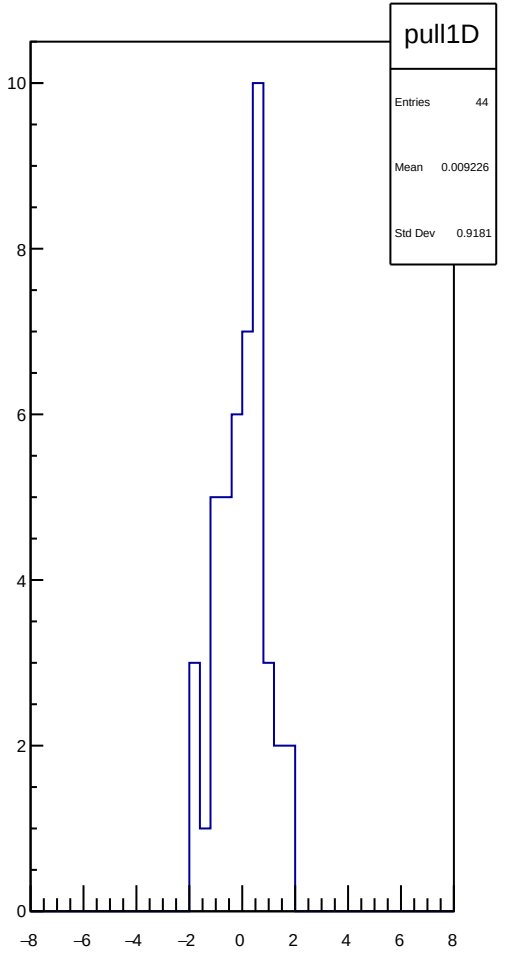

asym_sam_26_dd_correction_rms vs run
χ² / ndf 359.4 / 43
p0 3076 ± 3.319
3250
3200
3150
3100
3050
3000
2950
2900
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

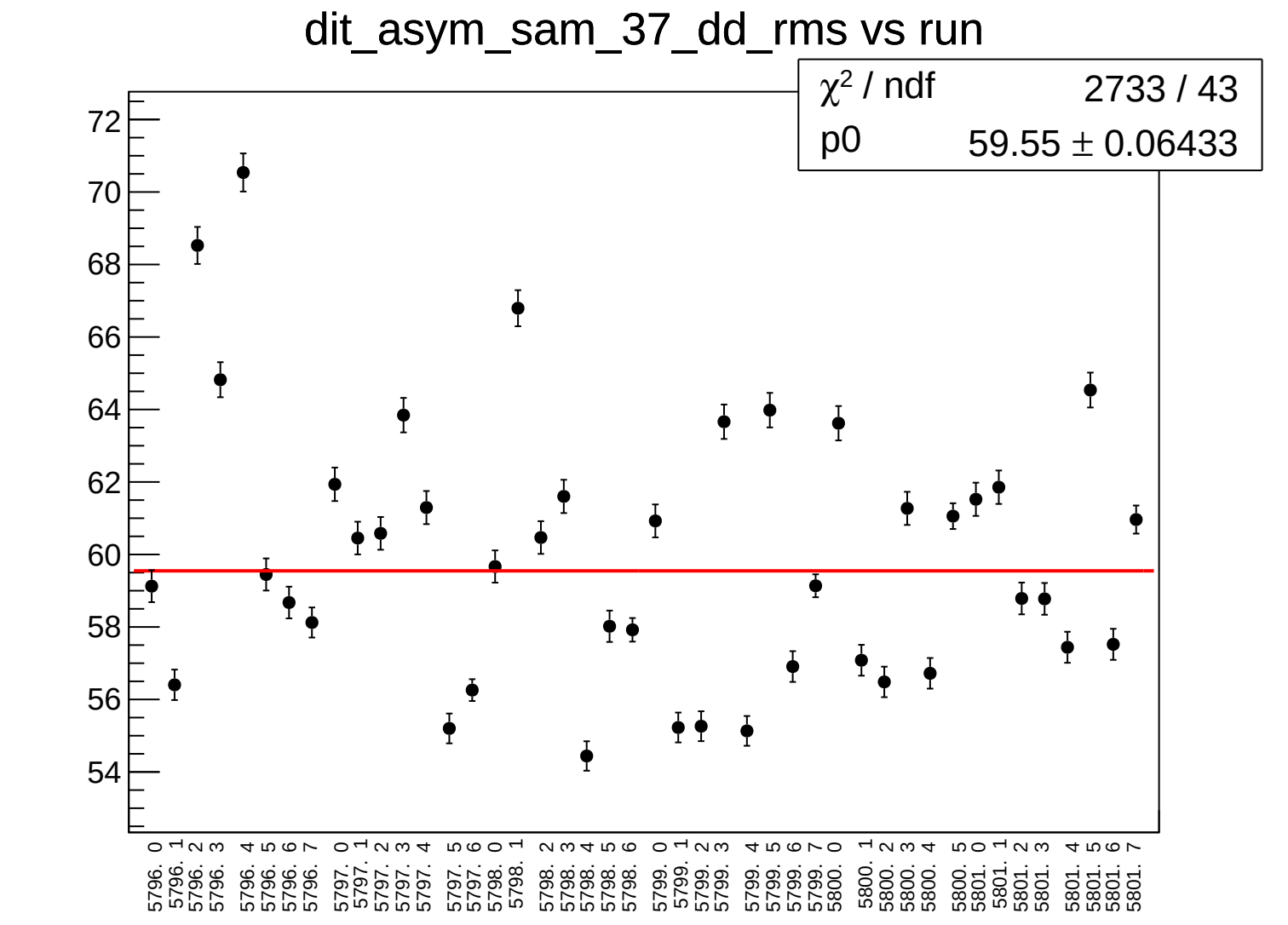

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 39.32 / 43
p0 4218 ± 4641
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 22.47
Std Dev 51.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

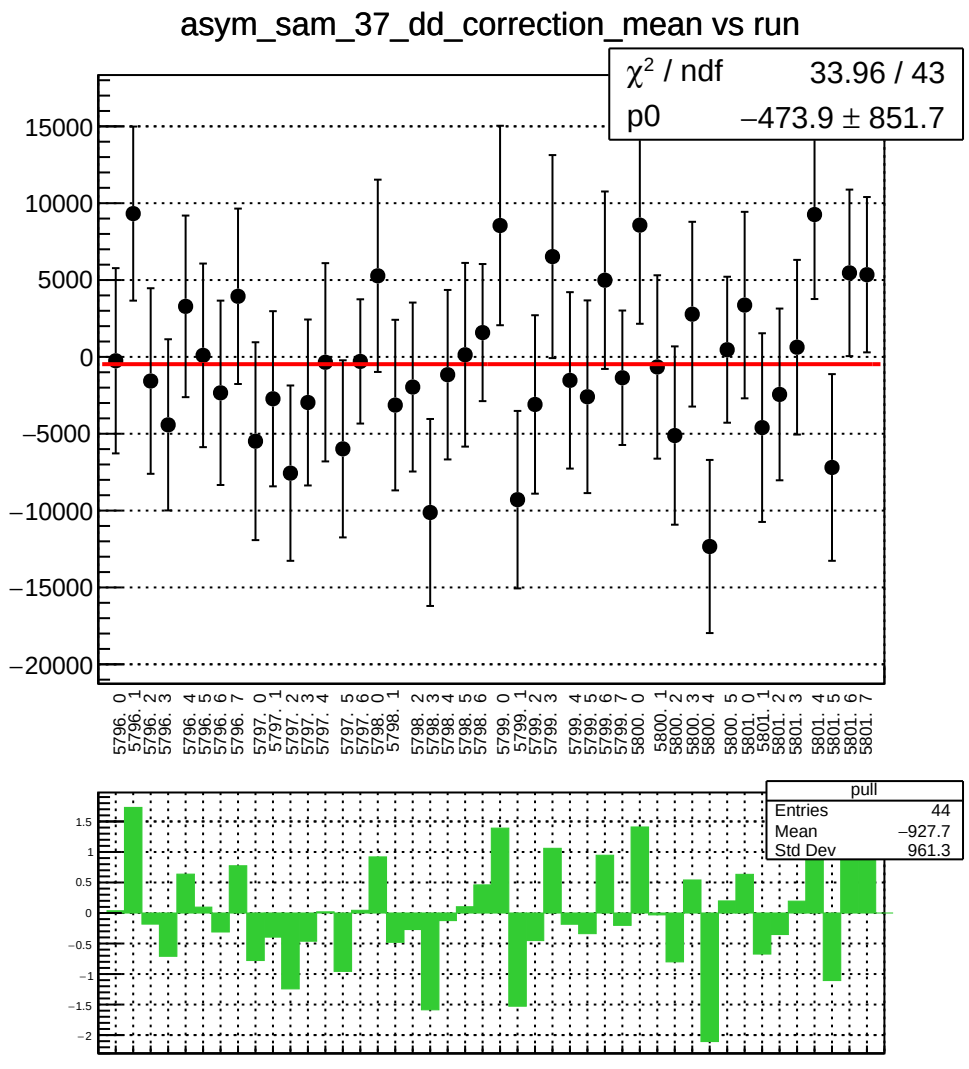

pull1D
Entries 44
Mean 0.00672
Std Dev 0.9453
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

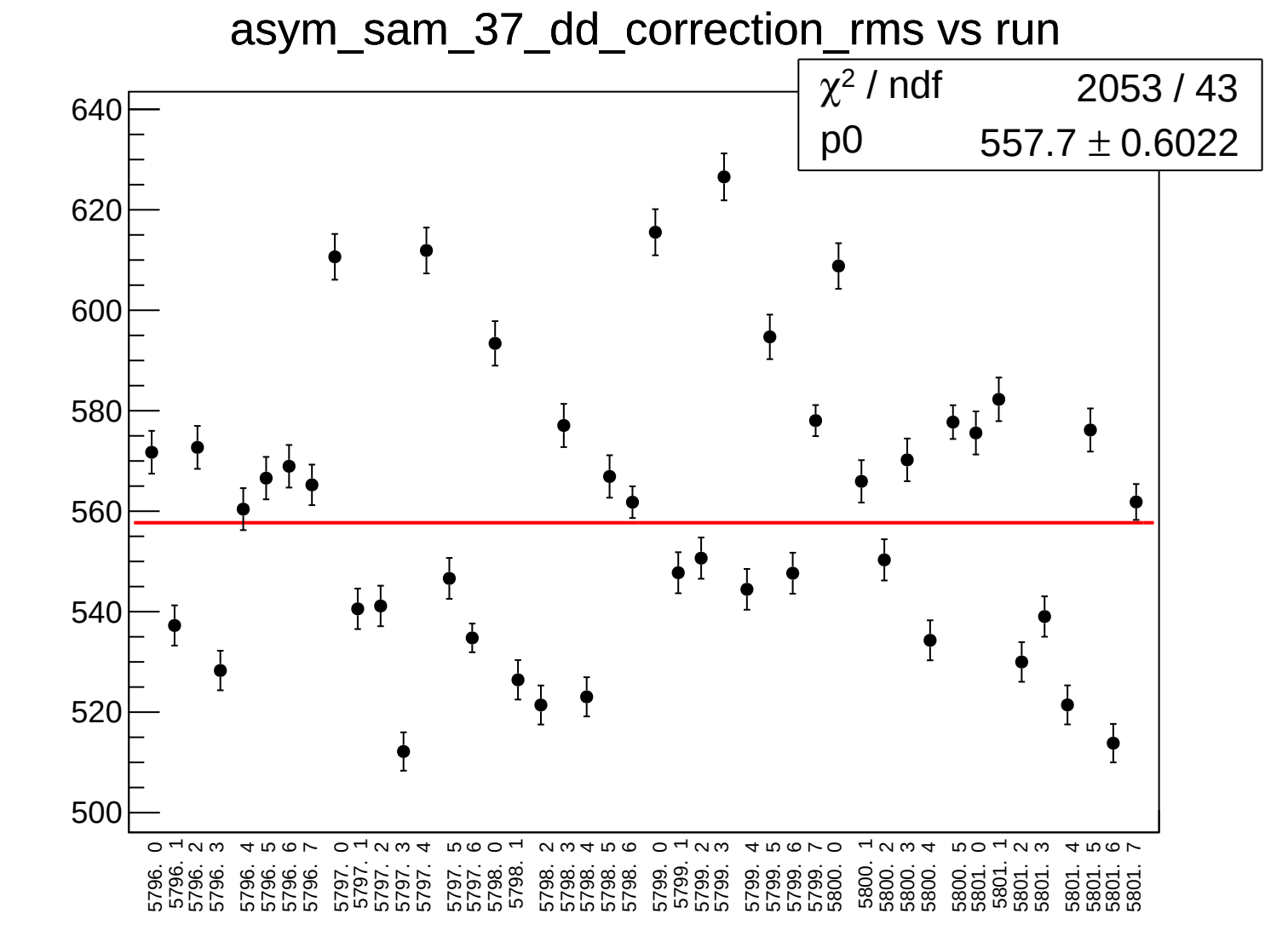

asym_sam_26_dd_rms vs run
χ² / ndf 423.9 / 43
p0 3042 ± 3.282
3250
3200
3150
3100
3050
3000
2950
2900
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

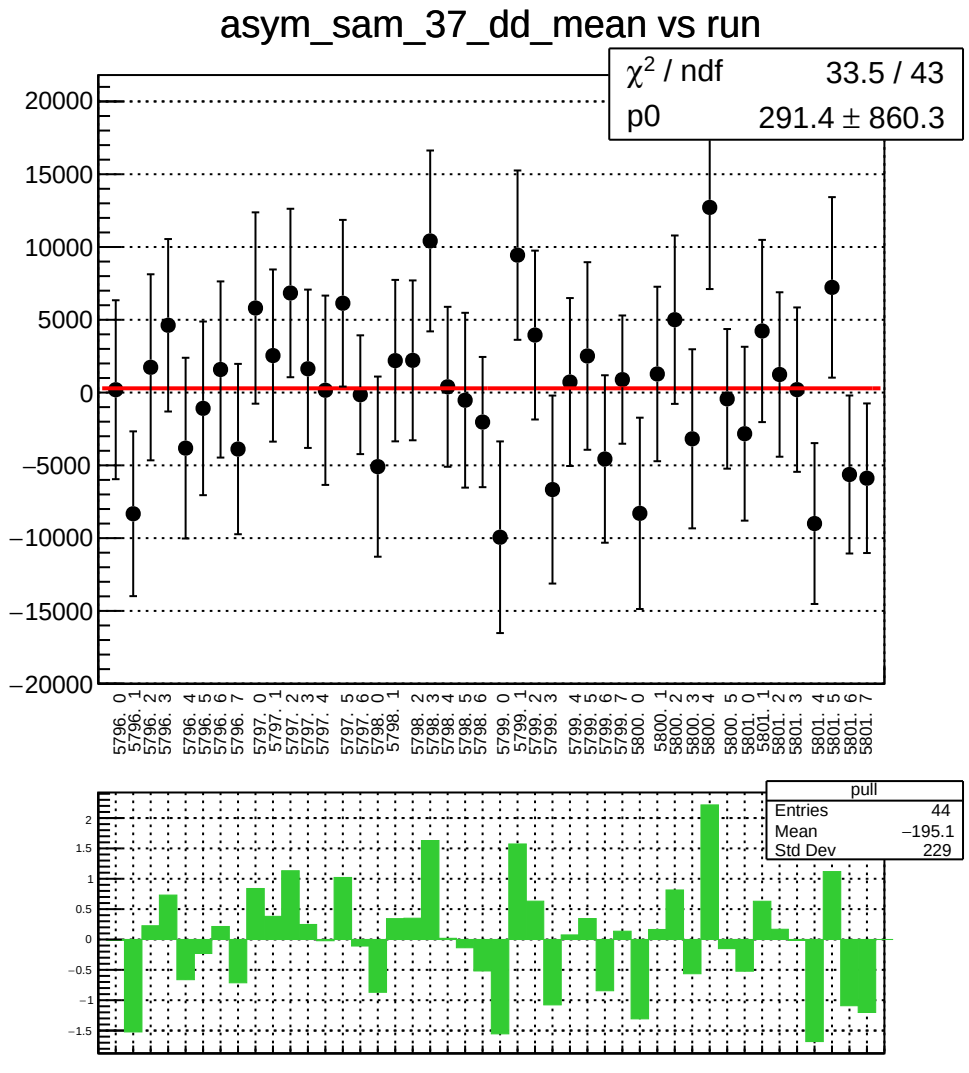

dit_asym_sam_37_dd_mean vs run
χ² / ndf 37.09 / 43
p0 −151.7 ± 90.97
pull
Entries 44
Mean 132.2
Std Dev 100.1

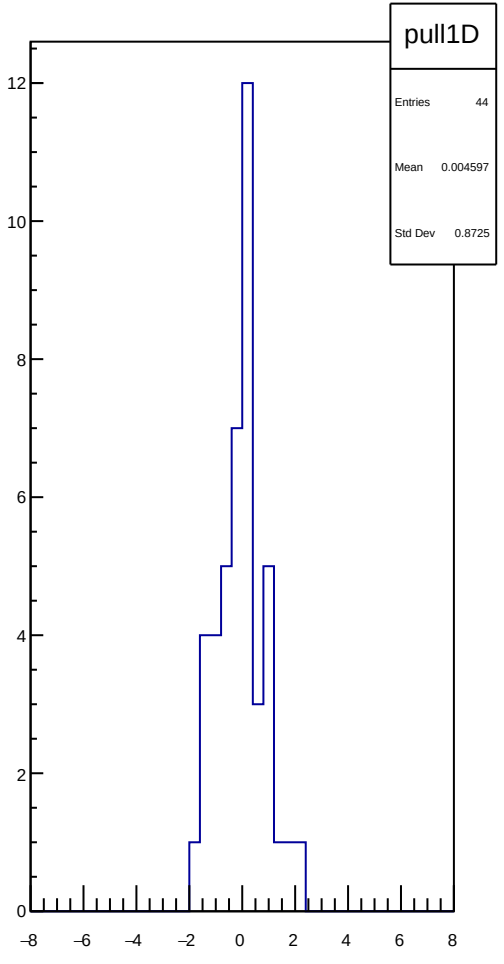

pull1D
Entries 44
Mean 0.009226
Std Dev 0.9181

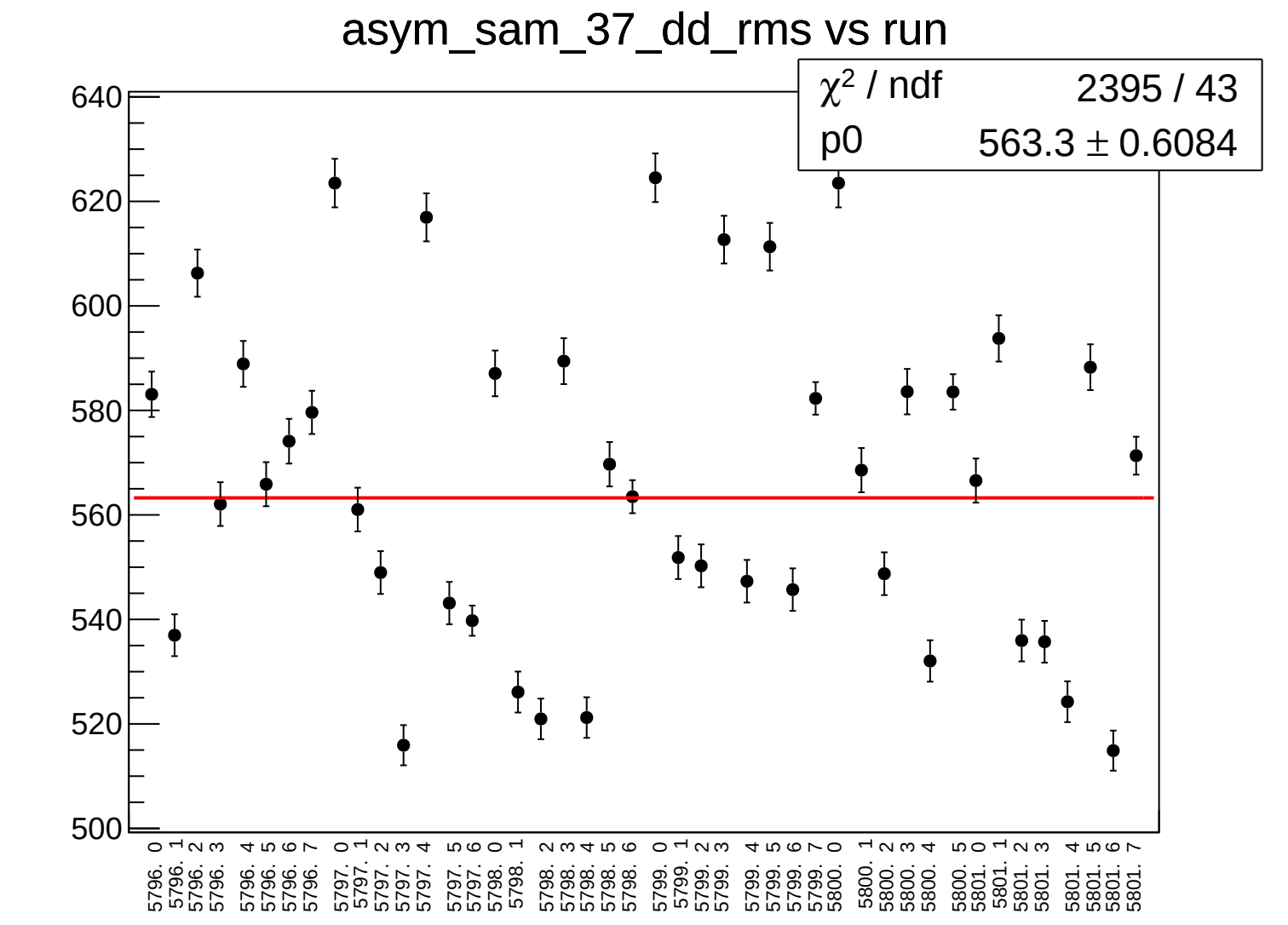

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2733 / 43
p0 59.55 ± 0.06433
72
70
68
66
64
62
60
58
56
54
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

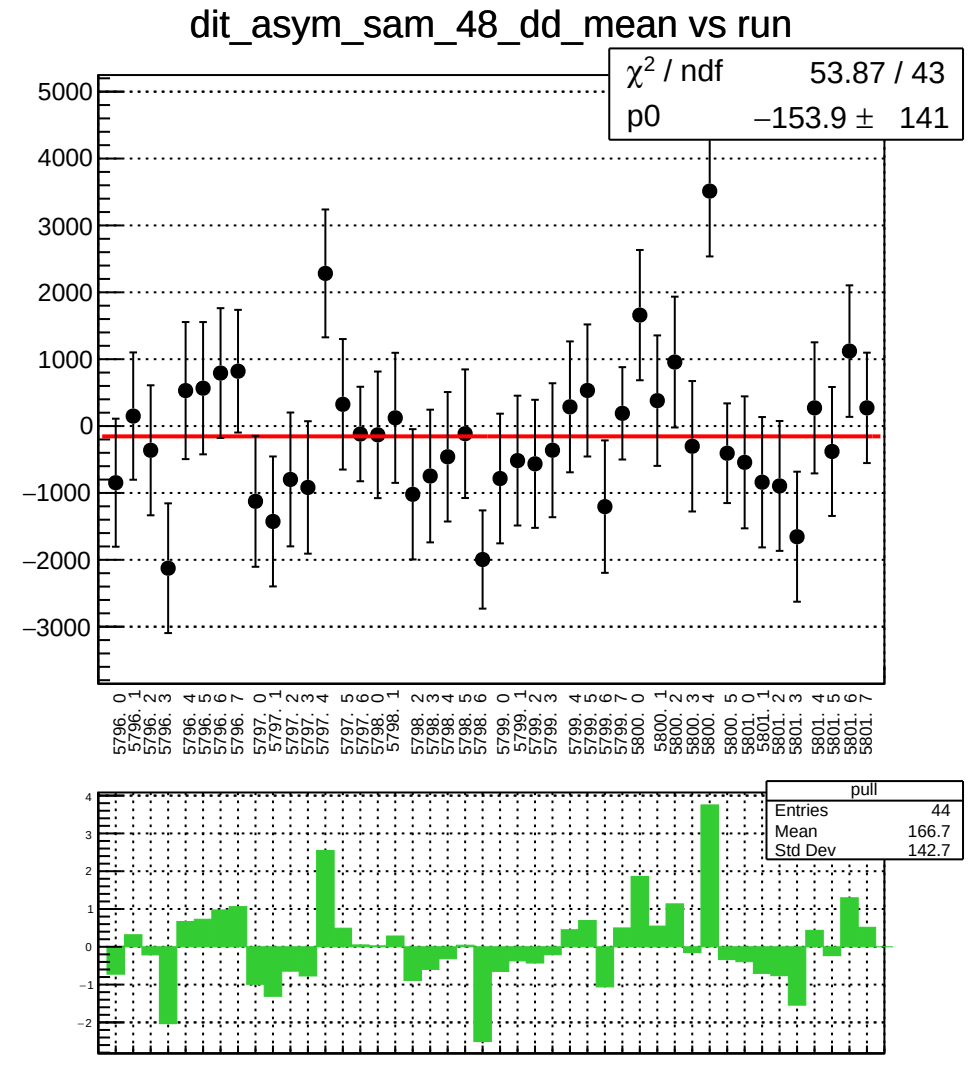

asym_sam_37_dd_correction_mean vs run
χ² / ndf 33.96 / 43
p0 −473.9 ± 851.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −927.7
Std Dev 961.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.001207
Std Dev 0.8785
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

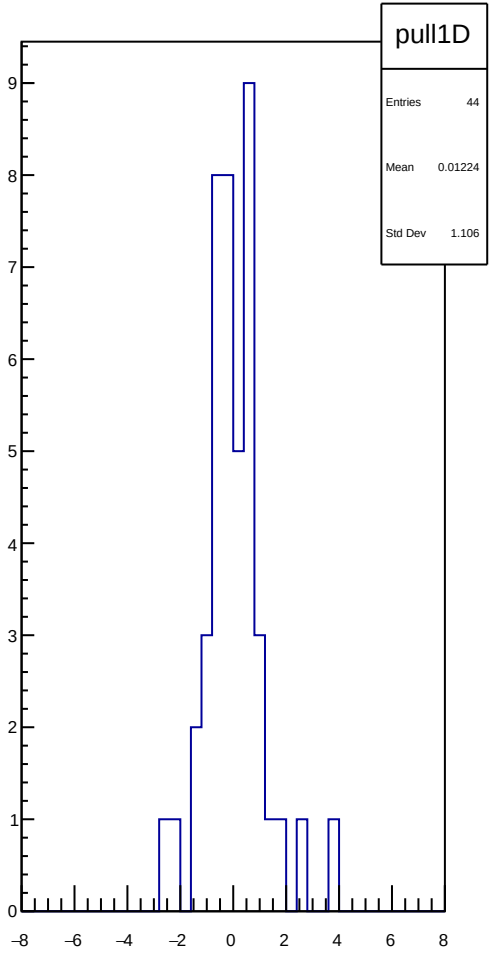

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2053 / 43
p0 557.7 ± 0.6022
640
620
600
580
560
540
520
500
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

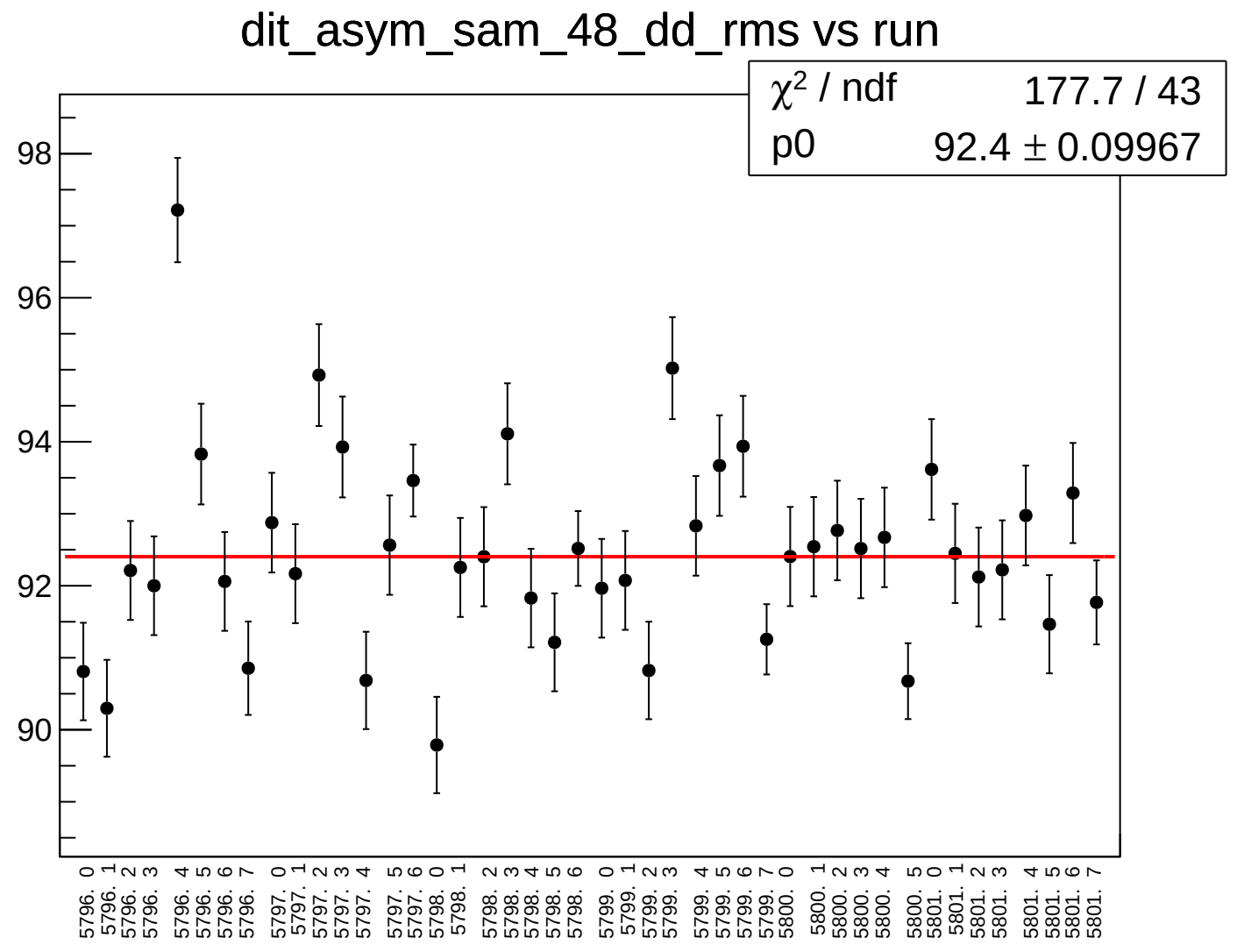

asym_sam_37_dd_mean vs run
χ² / ndf 33.5 / 43
p0 291.4 ± 860.3
pull
Entries 44
Mean −195.1
Std Dev 229

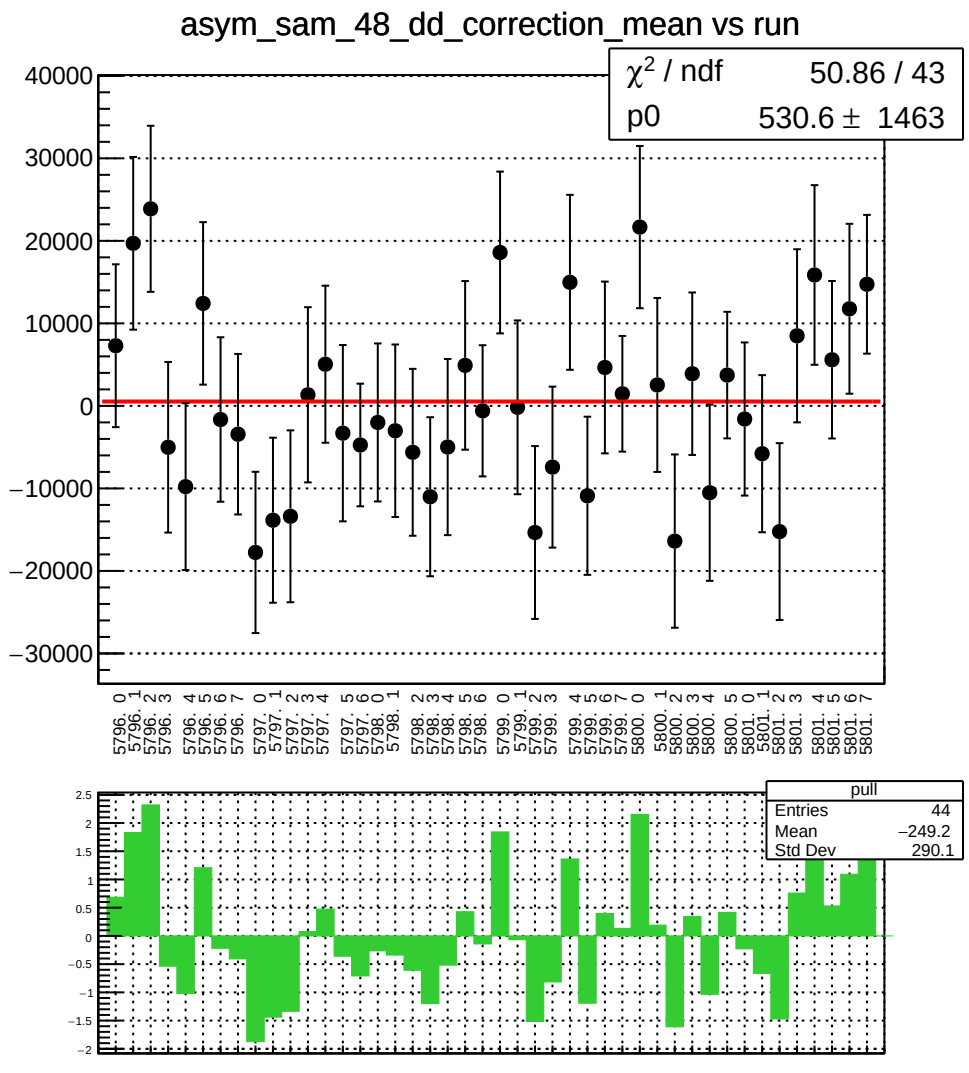

pull1D
Entries 44
Mean 0.004597
Std Dev 0.8725

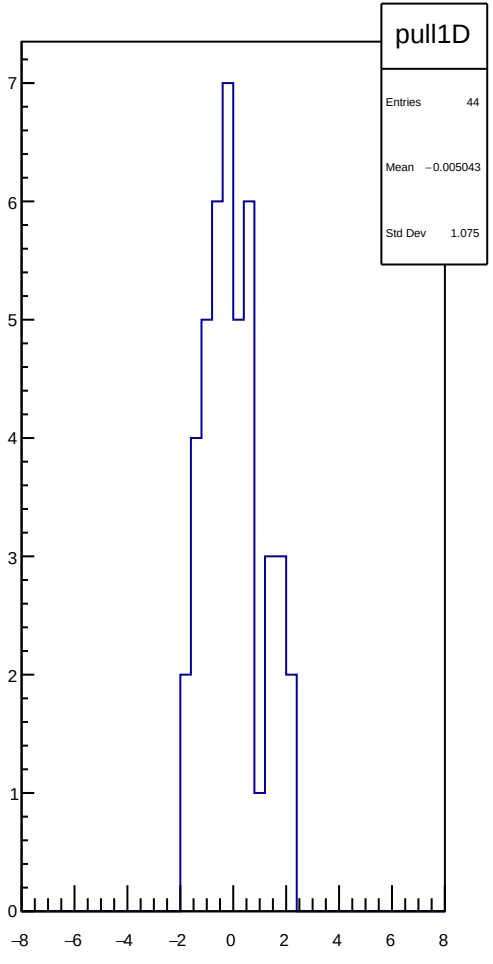

asym_sam_37_dd_rms vs run
χ² / ndf 2395 / 43
p0 563.3 ± 0.6084
640
620
600
580
560
540
520
500
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

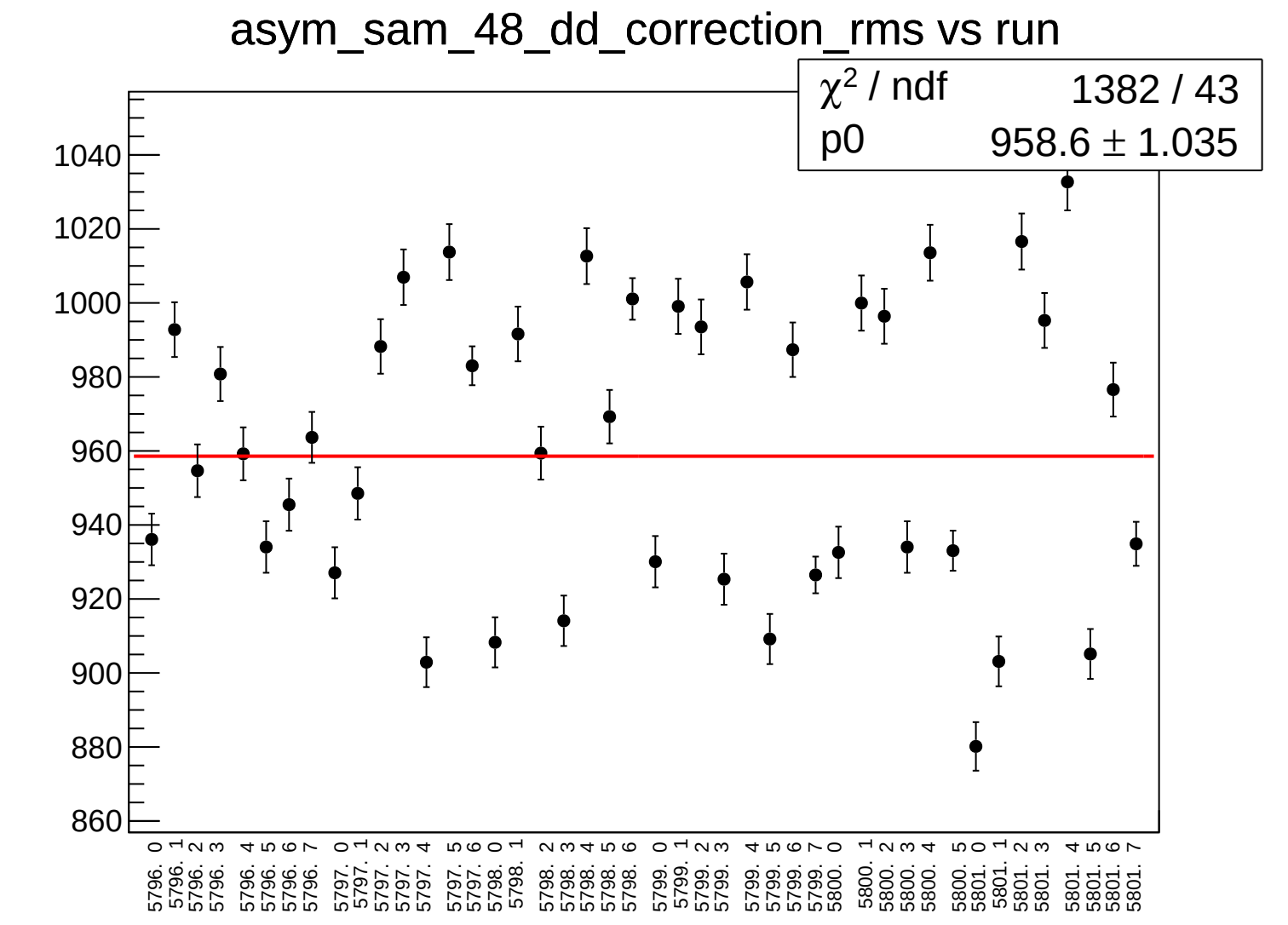

dit_asym_sam_48_dd_mean vs run
χ² / ndf 53.87 / 43
p0 −153.9 ± 141
pull
Entries 44
Mean 166.7
Std Dev 142.7

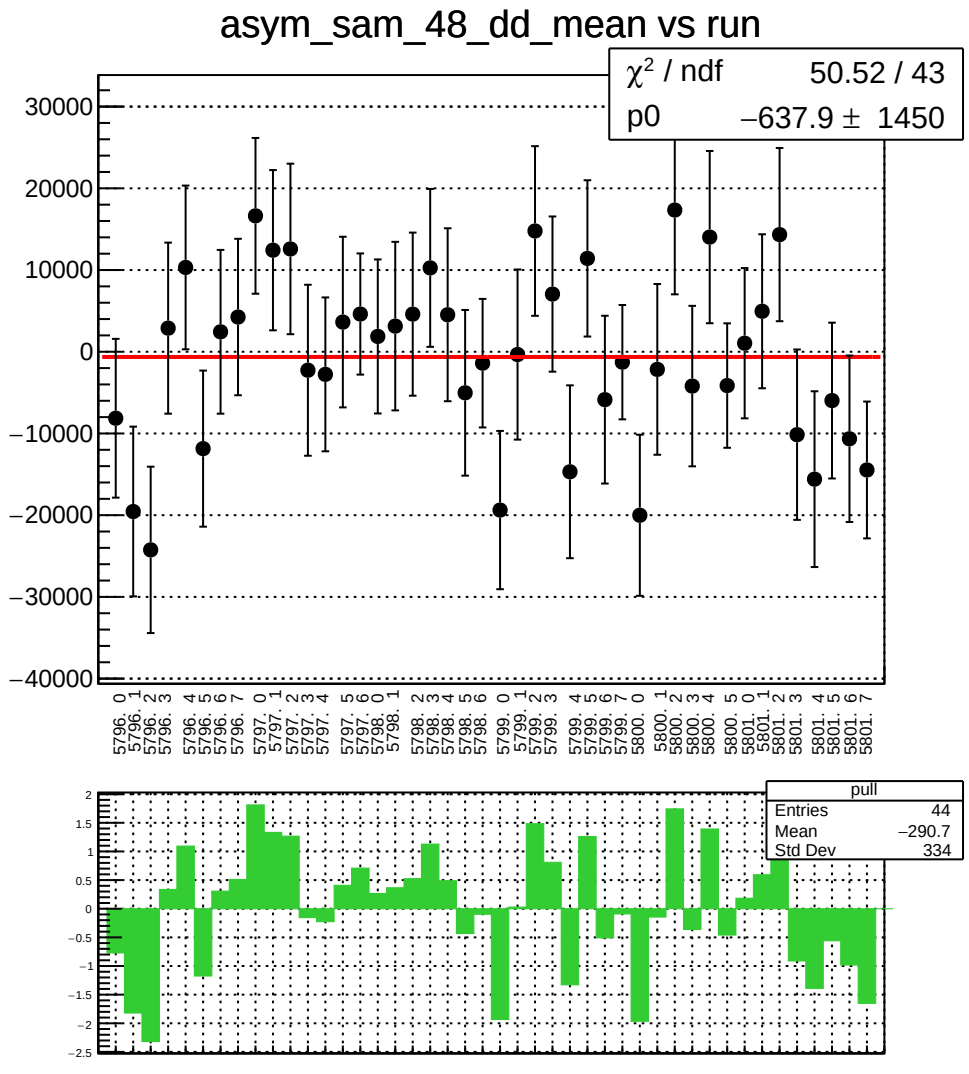

pull1D
Entries 44
Mean 0.01224
Std Dev 1.106

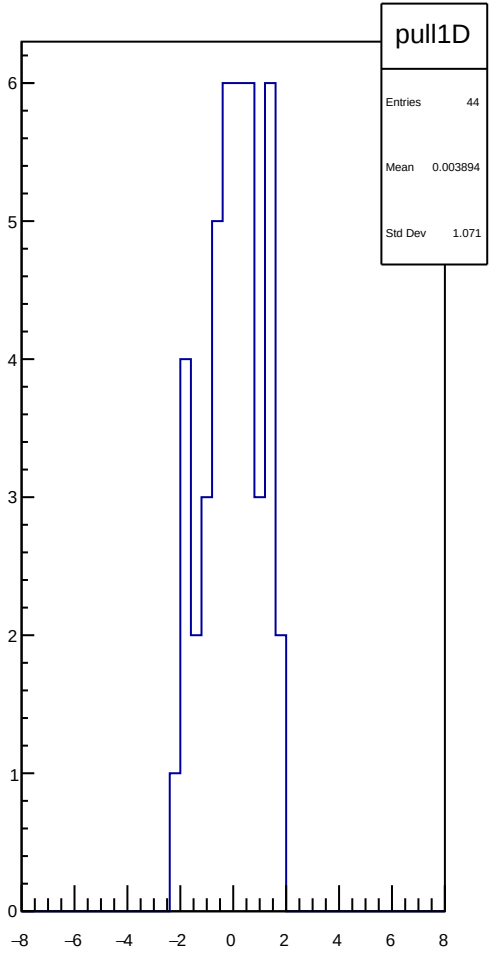

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 177.7 / 43
p0 92.4 ± 0.09967
98
96
94
92
90
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

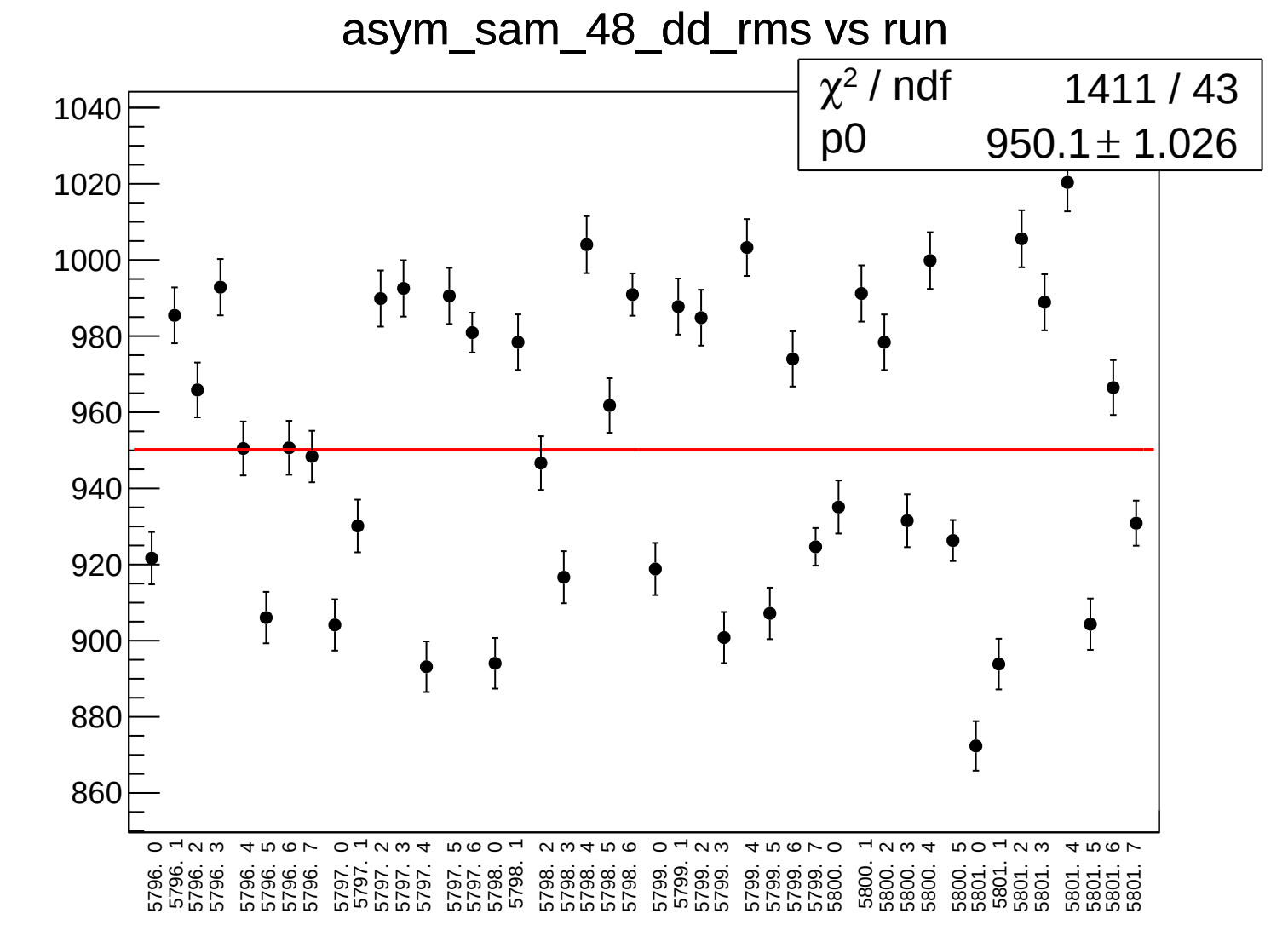

asym_sam_48_dd_correction_mean vs run
χ² / ndf 50.86 / 43
p0 530.6 ± 1463
pull
Entries 44
Mean −249.2
Std Dev 290.1

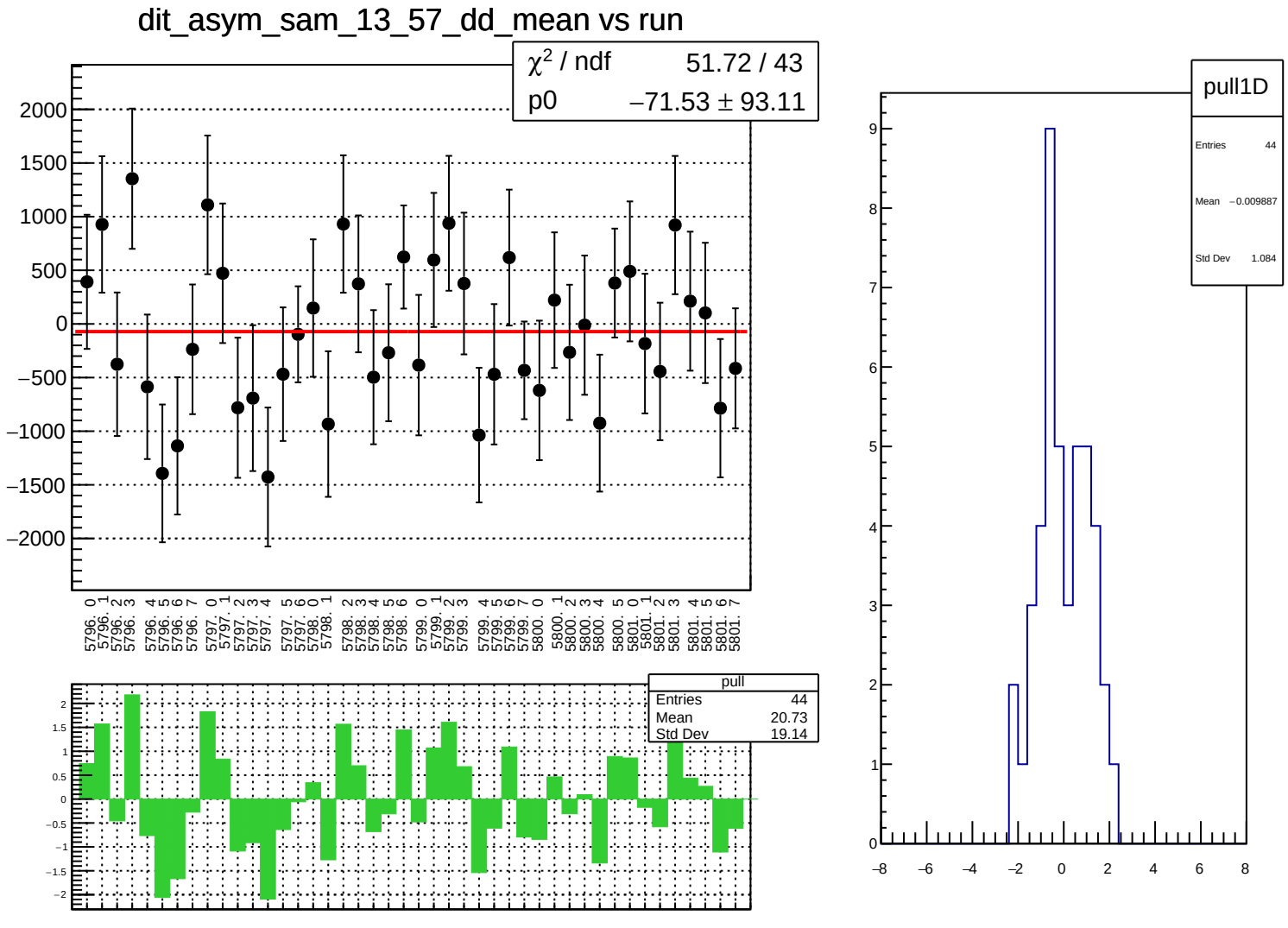

pull1D
Entries 44
Mean −0.005043
Std Dev 1.075

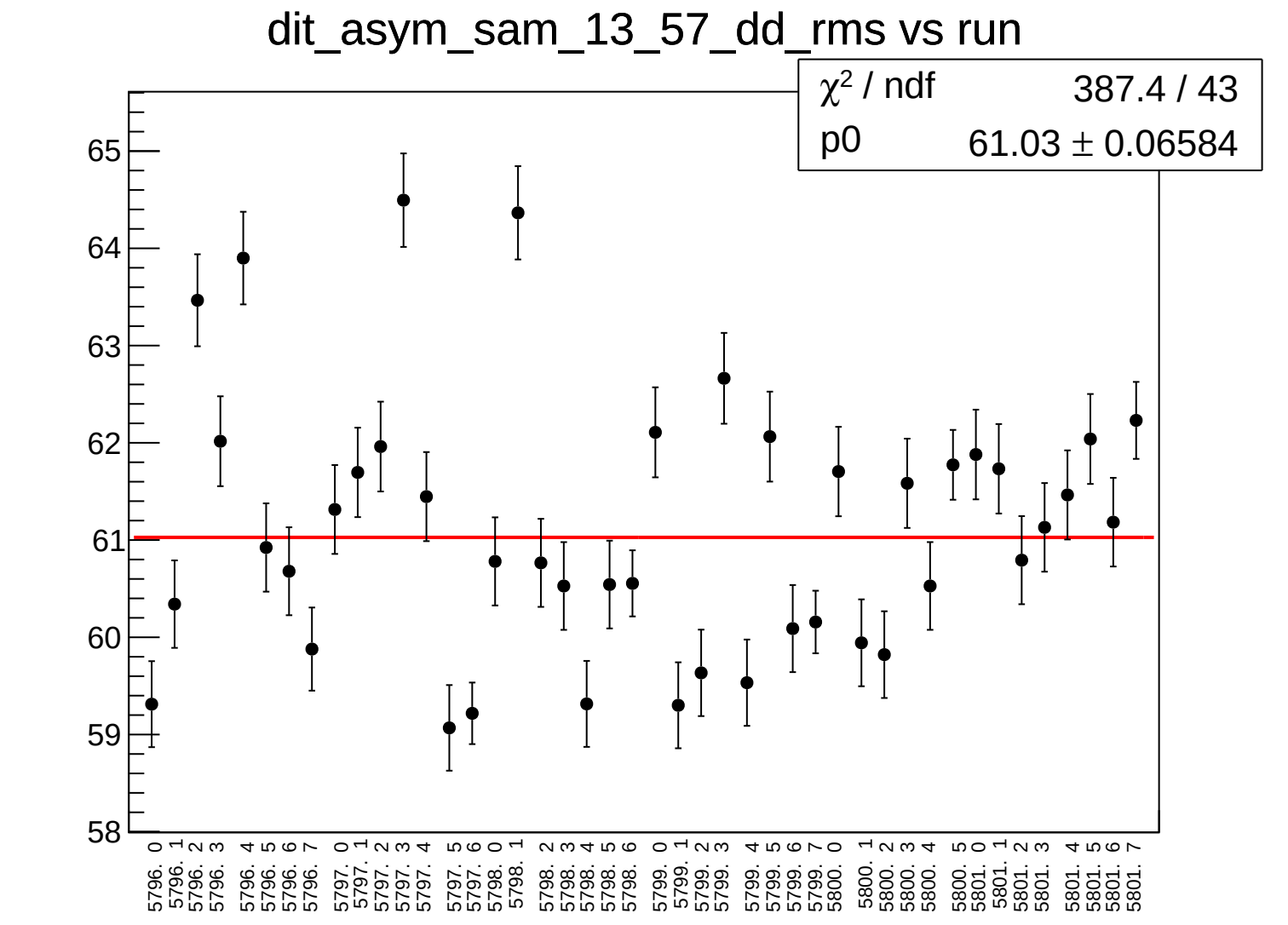

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1382 / 43
p0 958.6 ± 1.035
1040
1020
1000
980
960
940
920
900
880
860
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

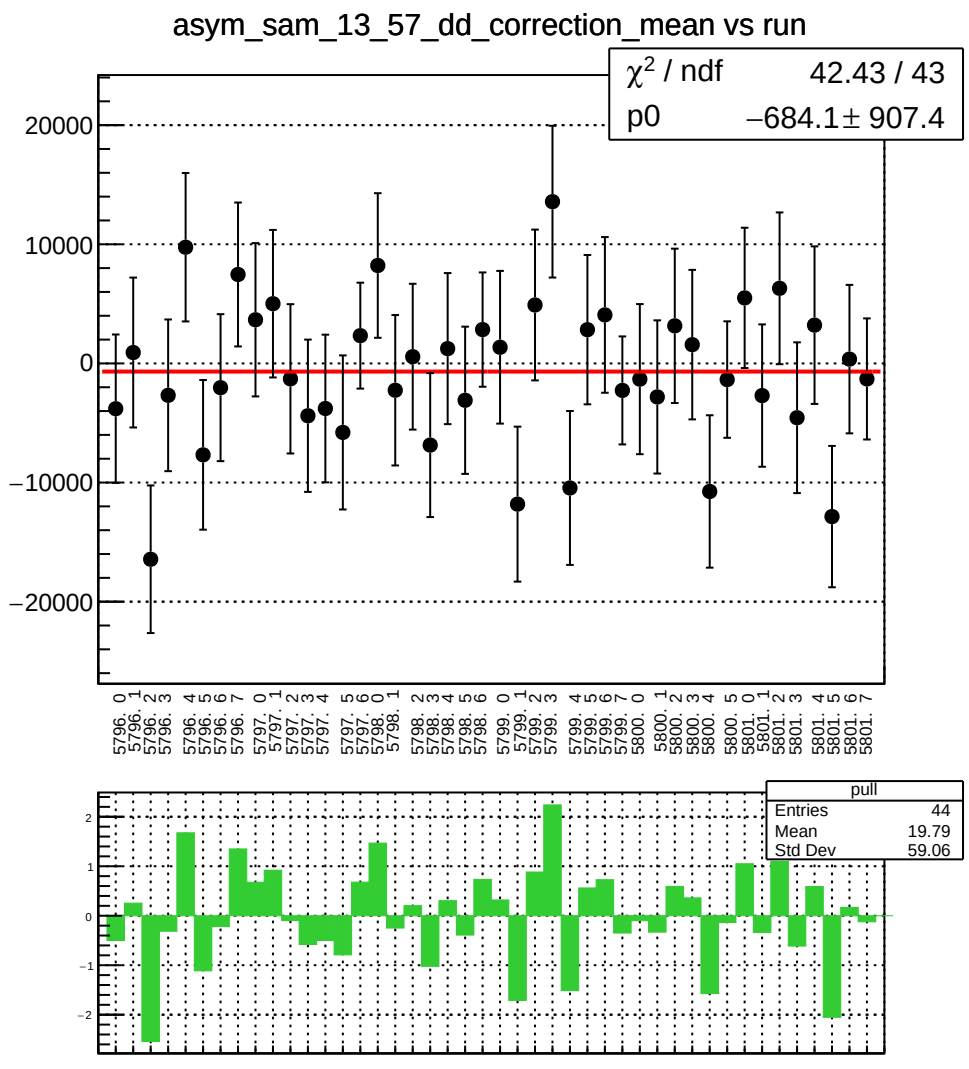

asym_sam_48_dd_mean vs run
χ² / ndf 50.52 / 43
p0 −637.9 ± 1450
pull
Entries 44
Mean −290.7
Std Dev 334

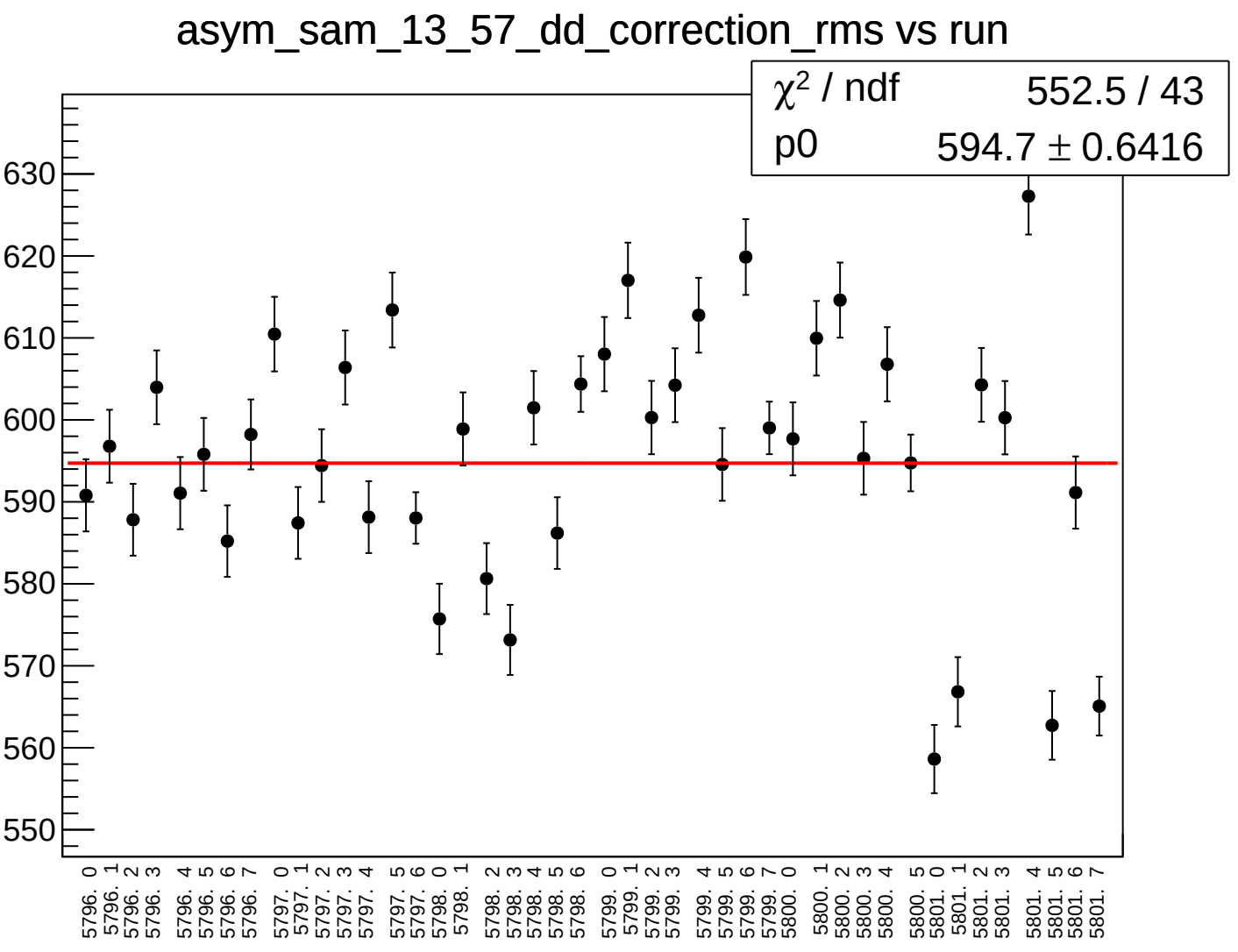

pull1D
Entries 44
Mean 0.003894
Std Dev 1.071

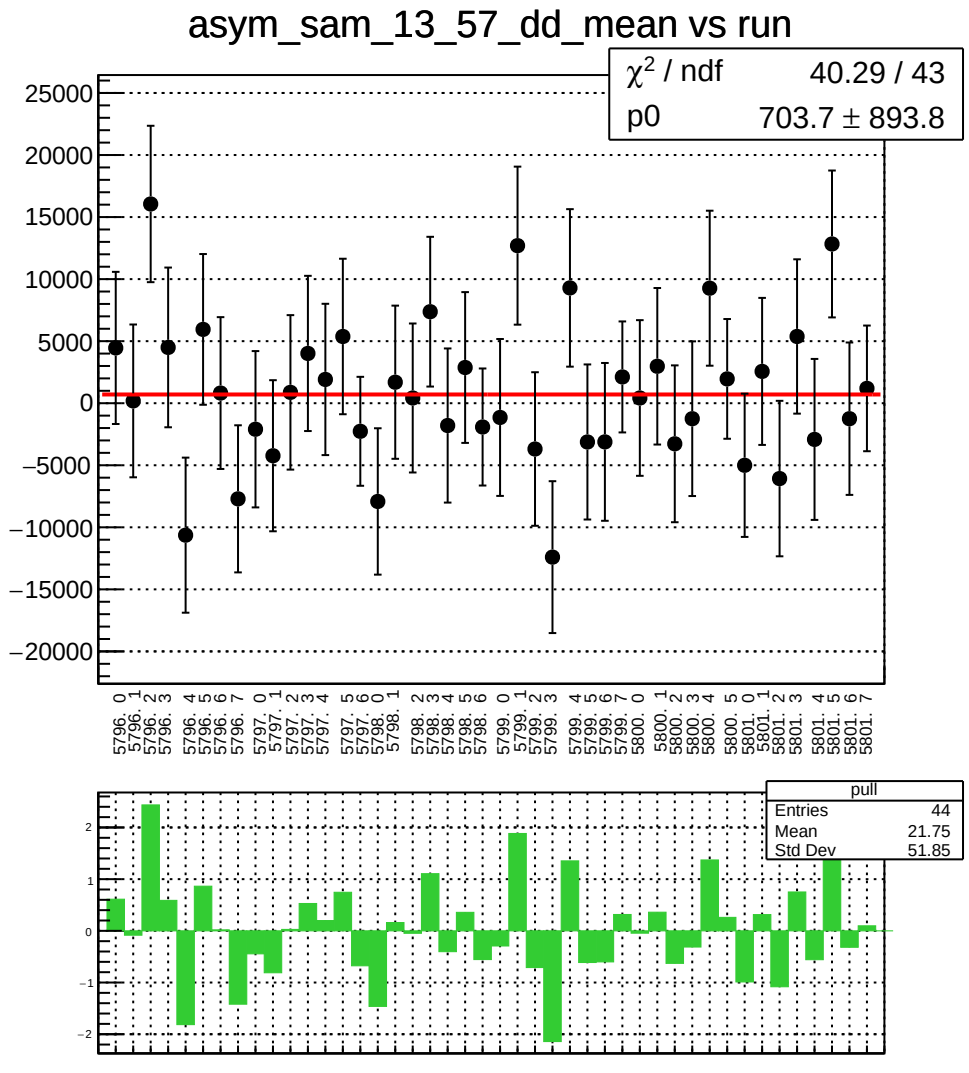

asym_sam_48_dd_rms vs run
χ² / ndf 1411 / 43
p0 950.1 ± 1.026
1040
1020
1000
980
960
940
920
900
880
860
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

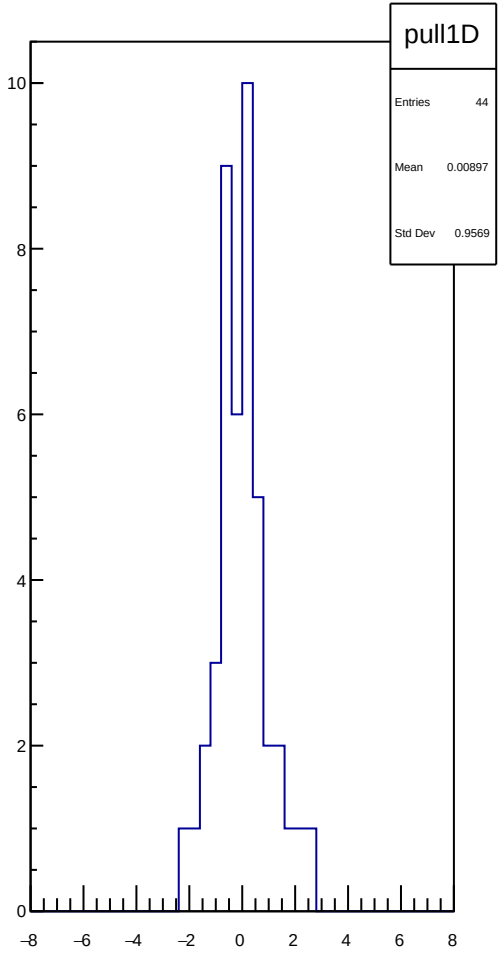

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 51.72 / 43
p0 −71.53 ± 93.11
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 20.73
Std Dev 19.14
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.009887
Std Dev 1.084
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

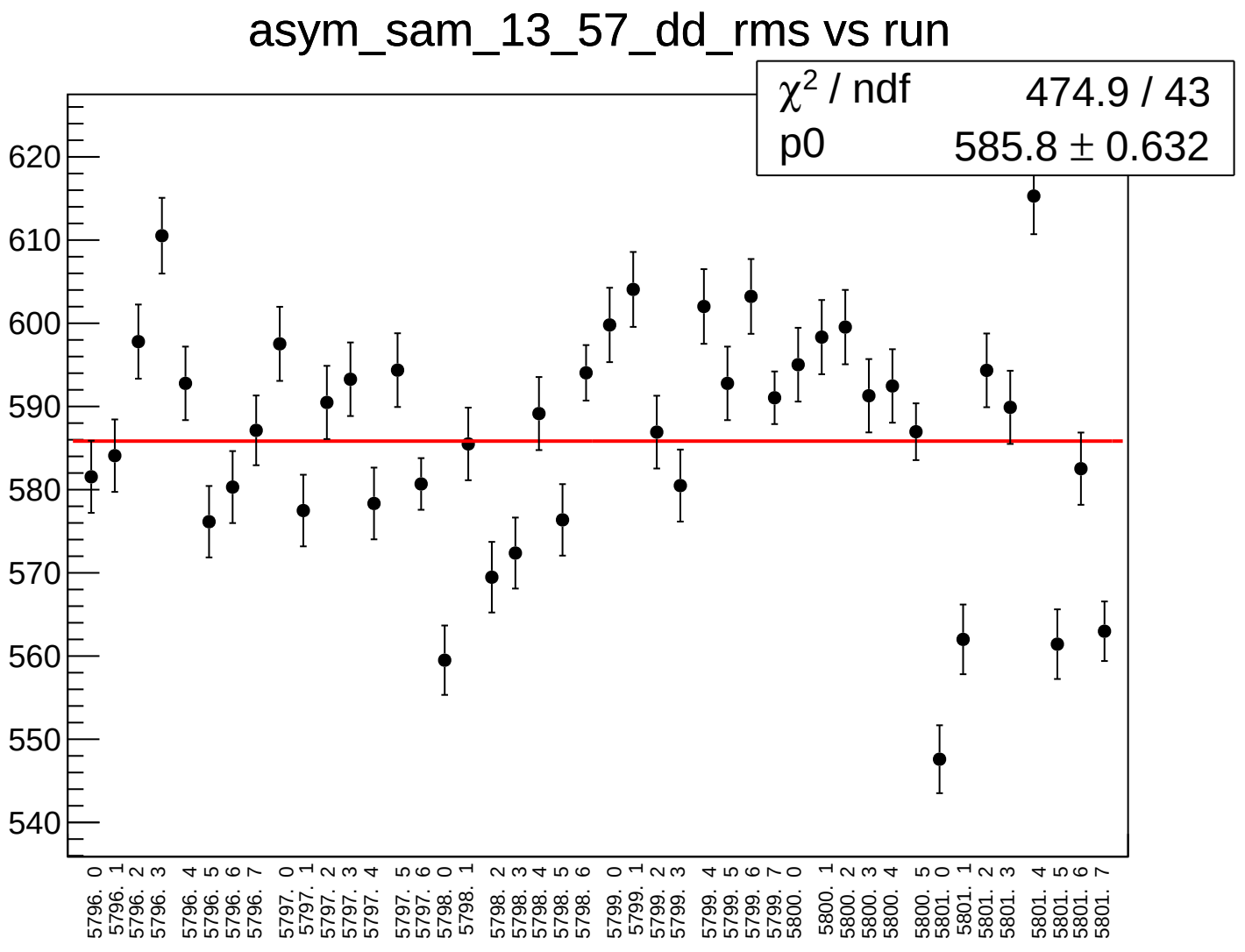

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 387.4 / 43
p0 61.03 ± 0.06584
65
64
63
62
61
60
59
58
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

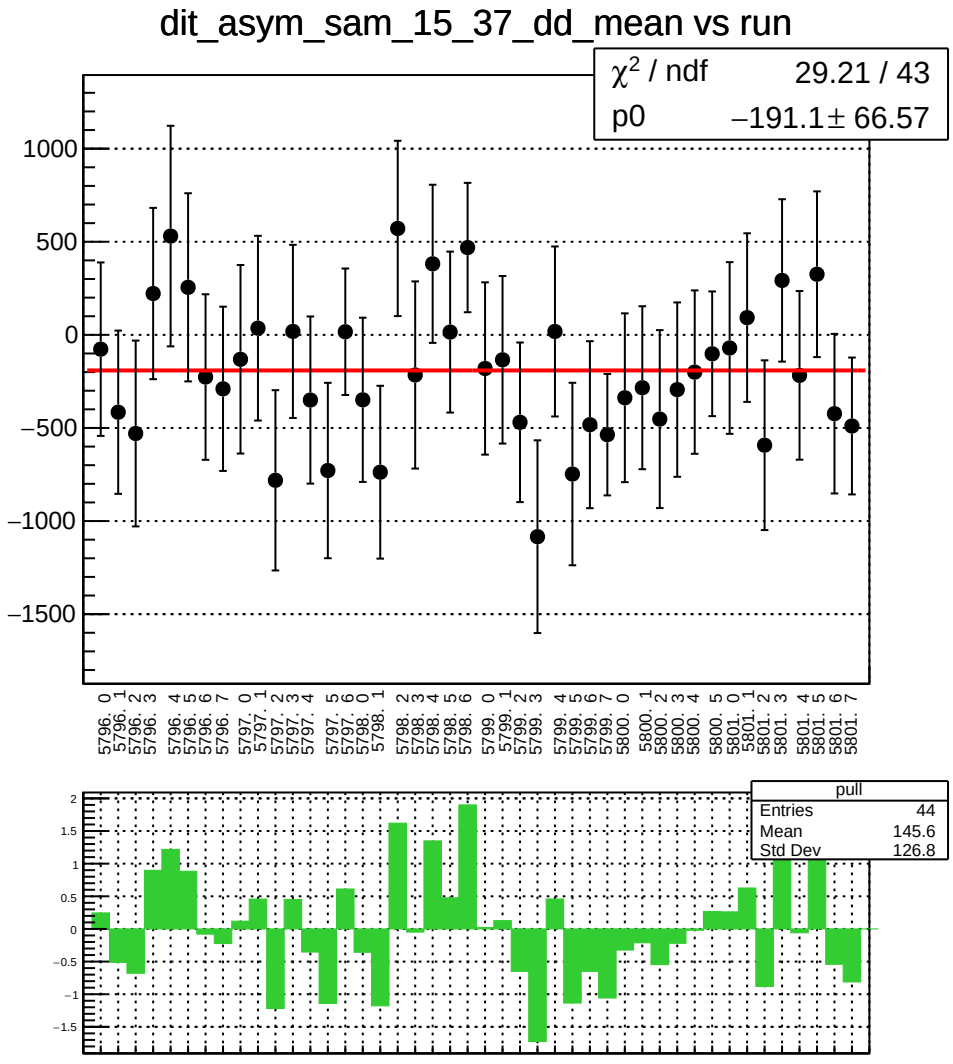

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 42.43 / 43
p0 −684.1± 907.4
20000
10000
0
−10000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 19.79
Std Dev 59.06
2
1
0
−1
−2
pull1D
Entries 44
Mean −0.006935
Std Dev 0.982
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

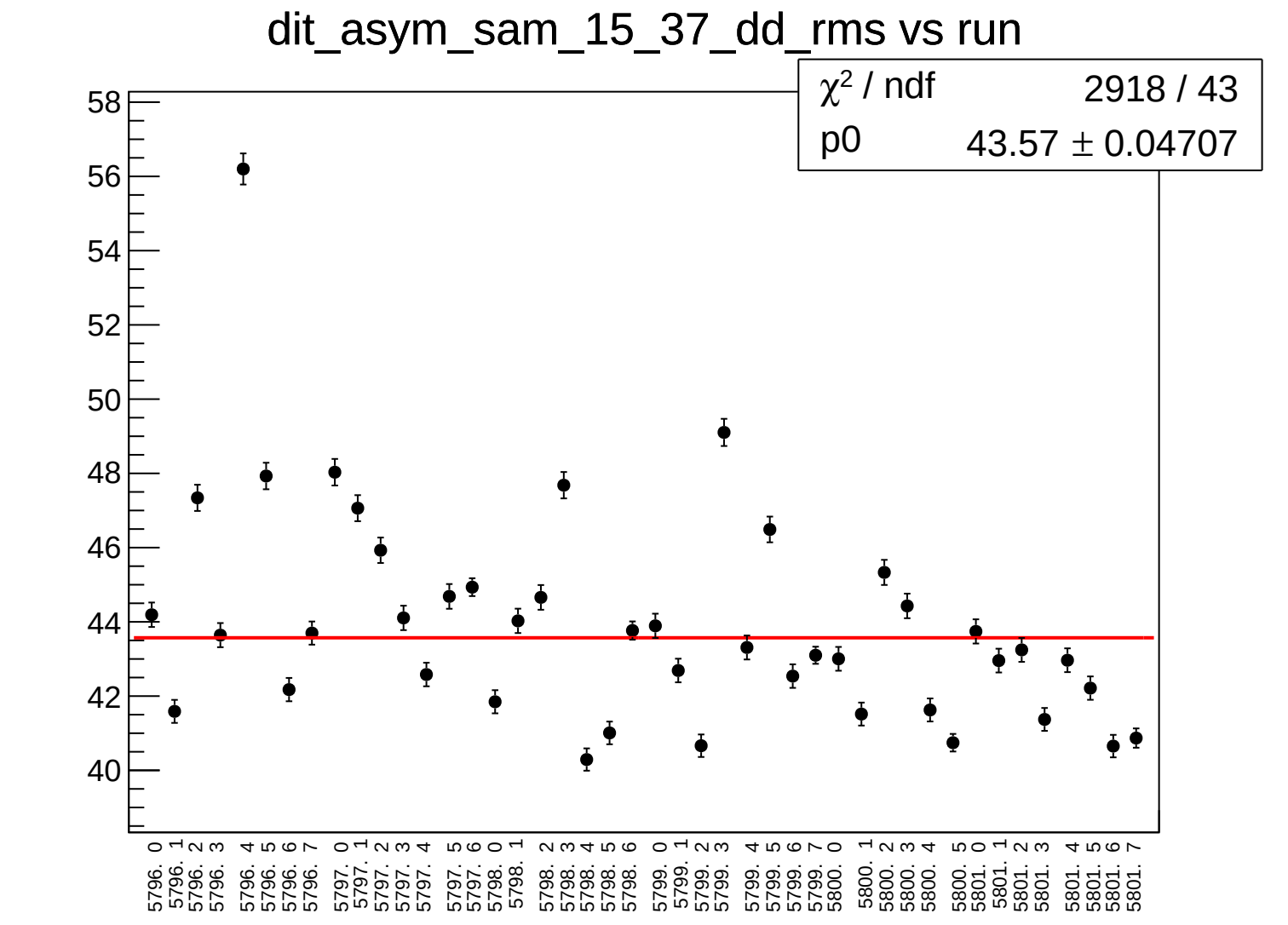

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 552.5 / 43
p0 594.7 ± 0.6416
630
620
610
600
590
580
570
560
550
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

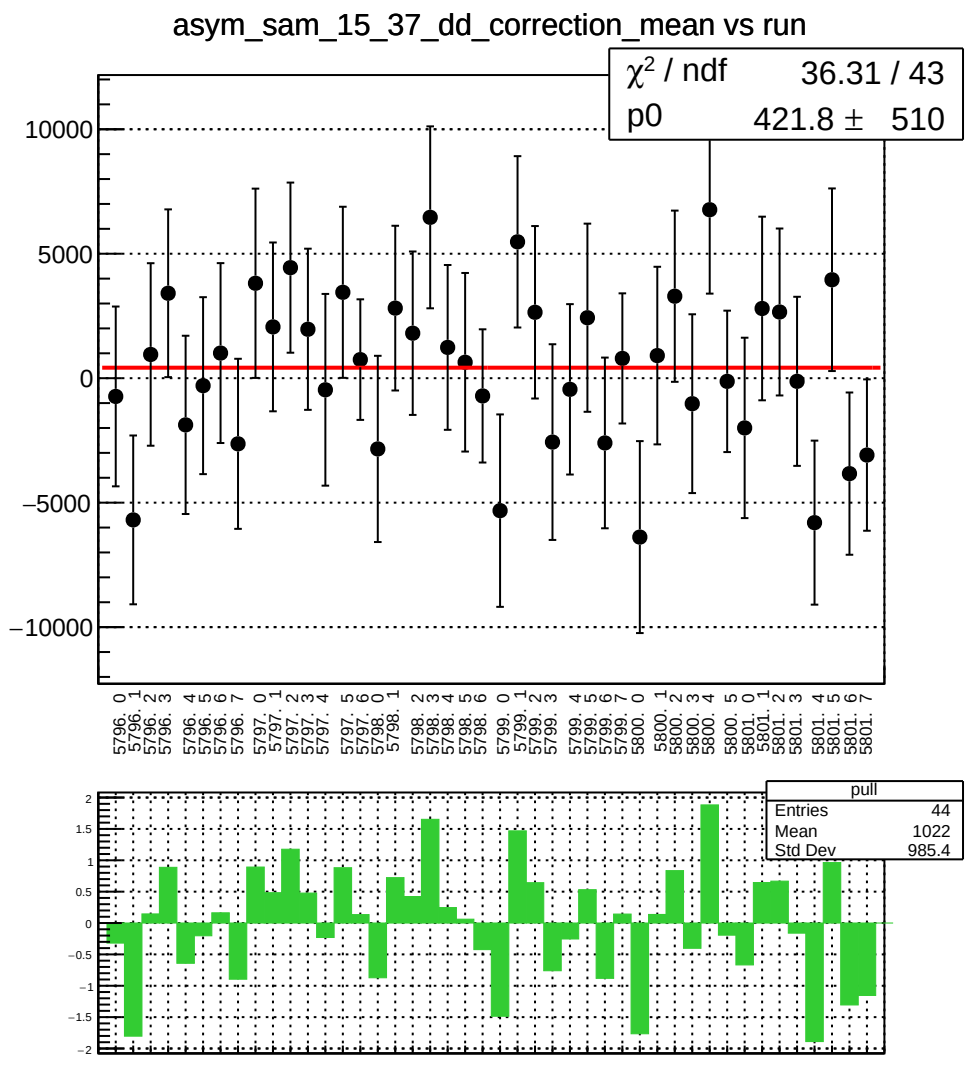

asym_sam_13_57_dd_mean vs run
χ² / ndf 40.29 / 43
p0 703.7 ± 893.8
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 21.75
Std Dev 51.85
2
1
0
−1
−2

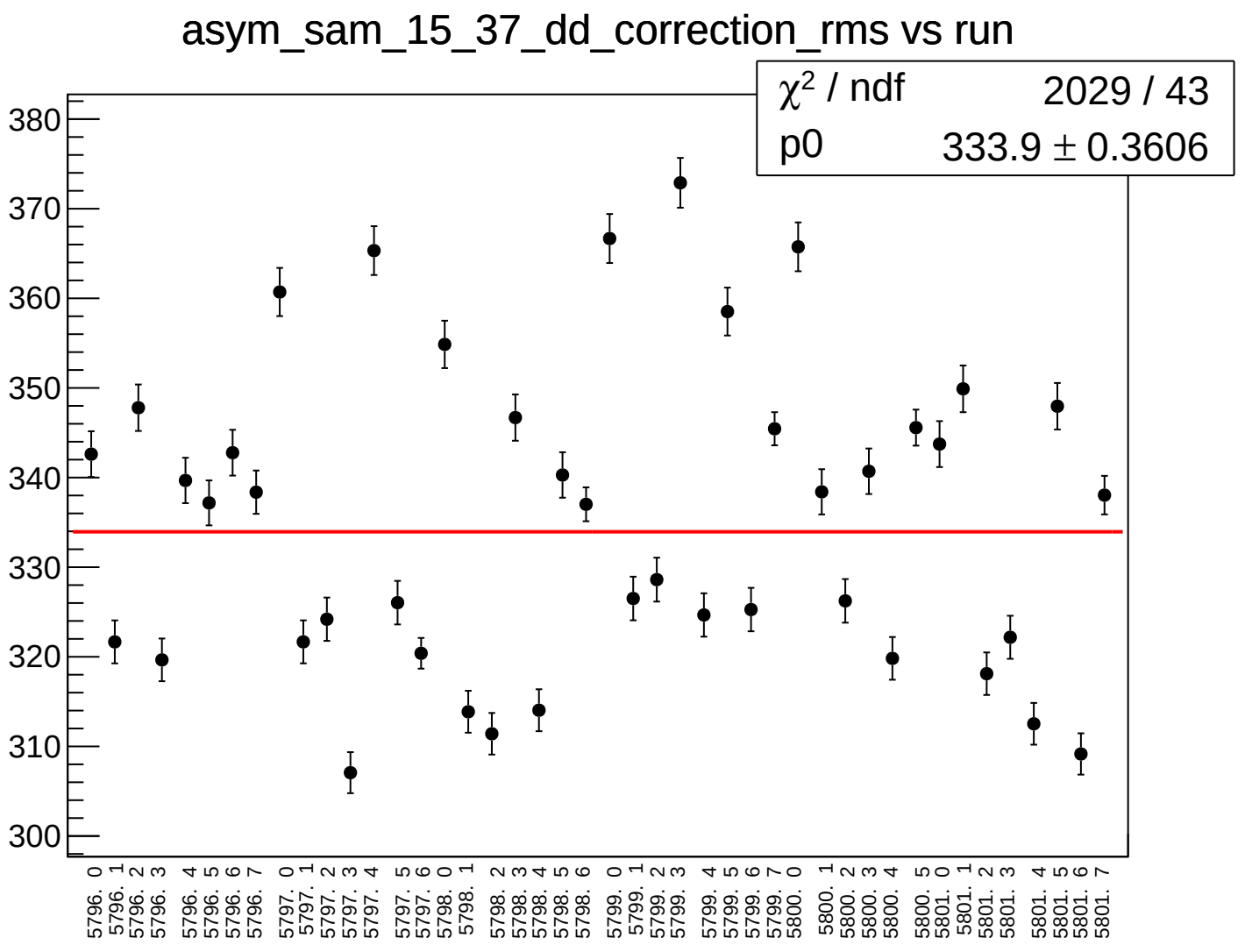

pull1D
Entries 44
Mean 0.00897
Std Dev 0.9569
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

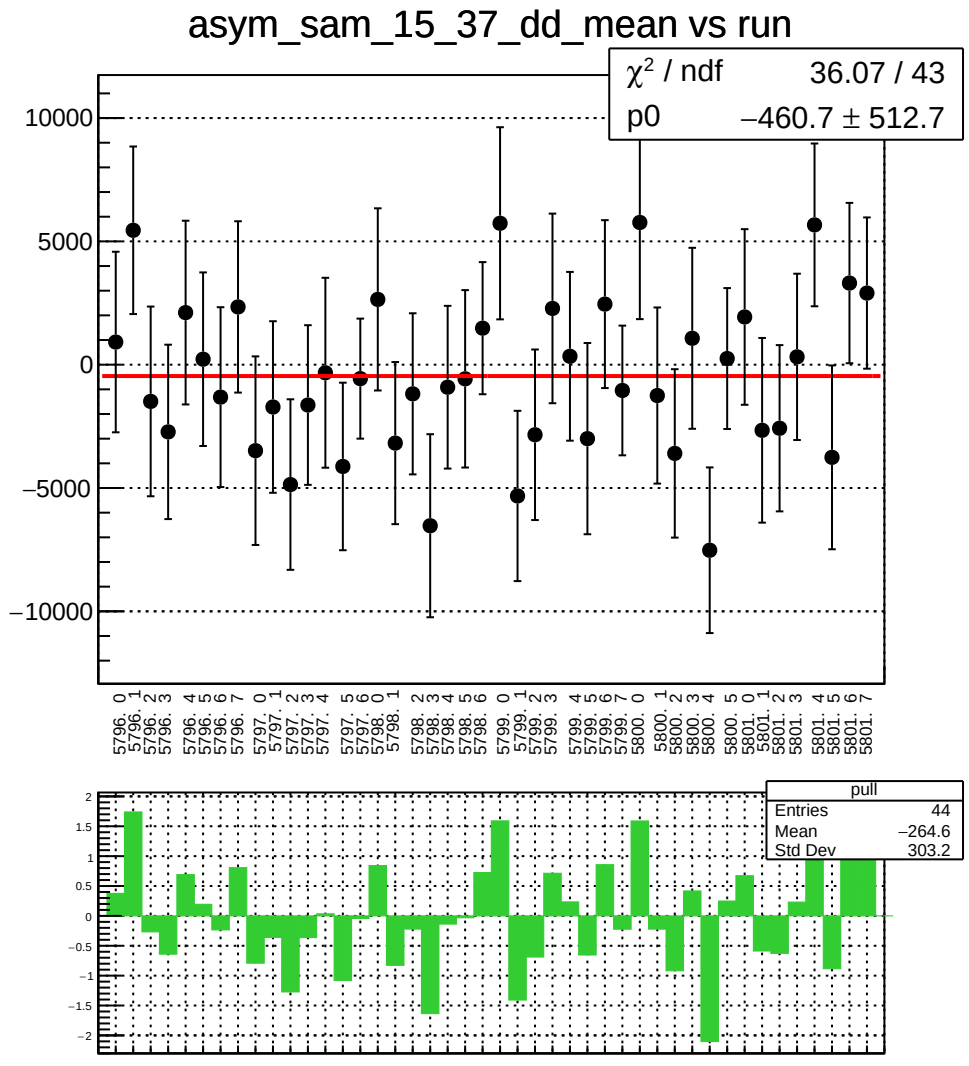

asym_sam_13_57_dd_rms vs run
χ² / ndf 474.9 / 43
p0 585.8 ± 0.632
620
610
600
590
580
570
560
550
540
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

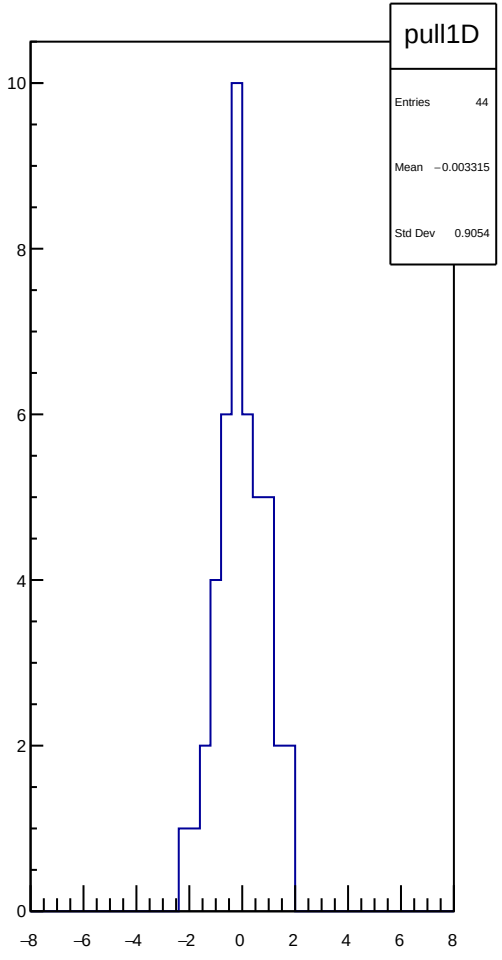

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 29.21 / 43
p0 −191.1± 66.57
1000
500
0
−500
−1000
−1500
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 145.6
Std Dev 126.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.0082
Std Dev 0.8148
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

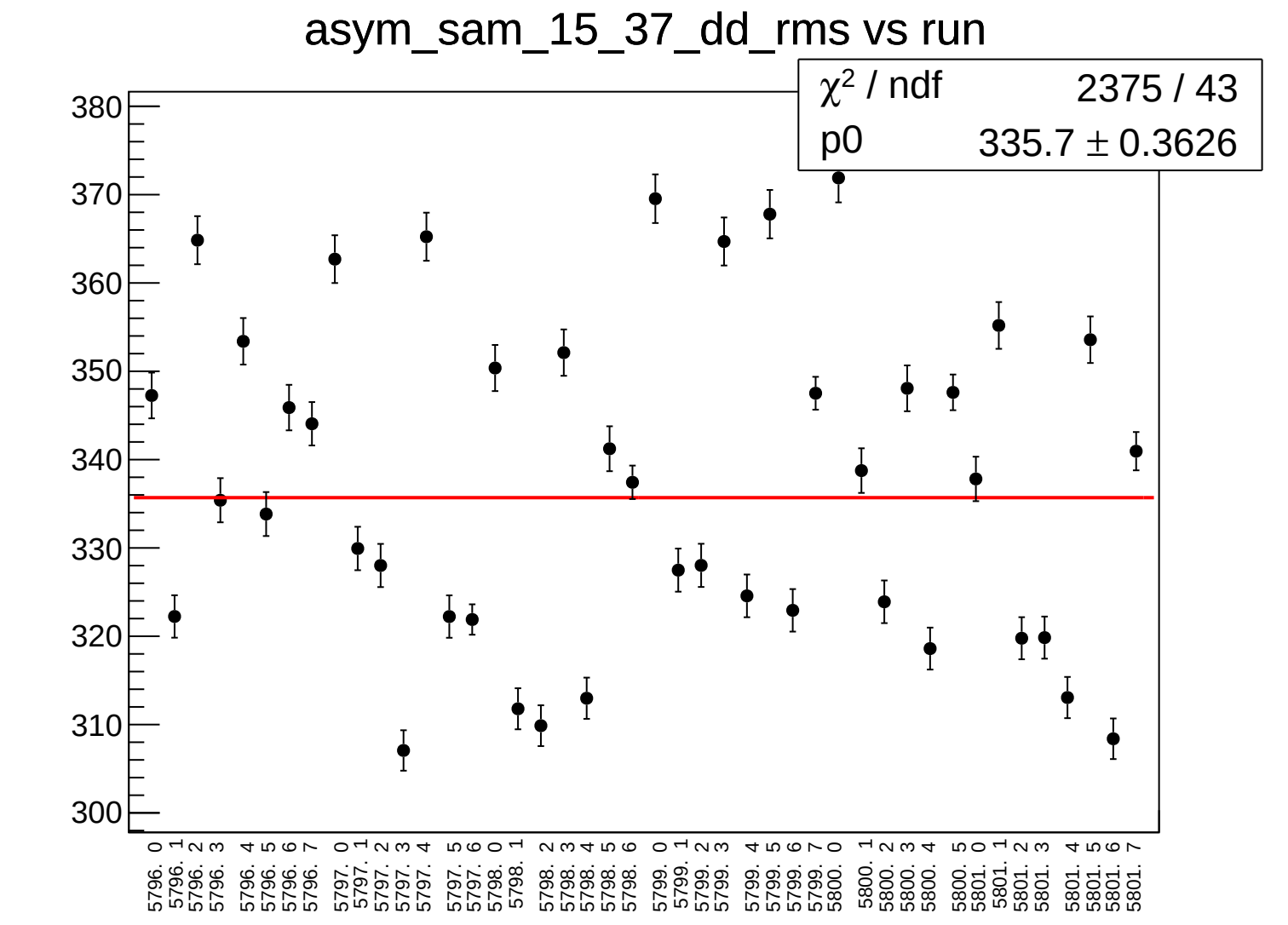

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2918 / 43
p0 43.57 ± 0.04707
58
56
54
52
50
48
46
44
42
40
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

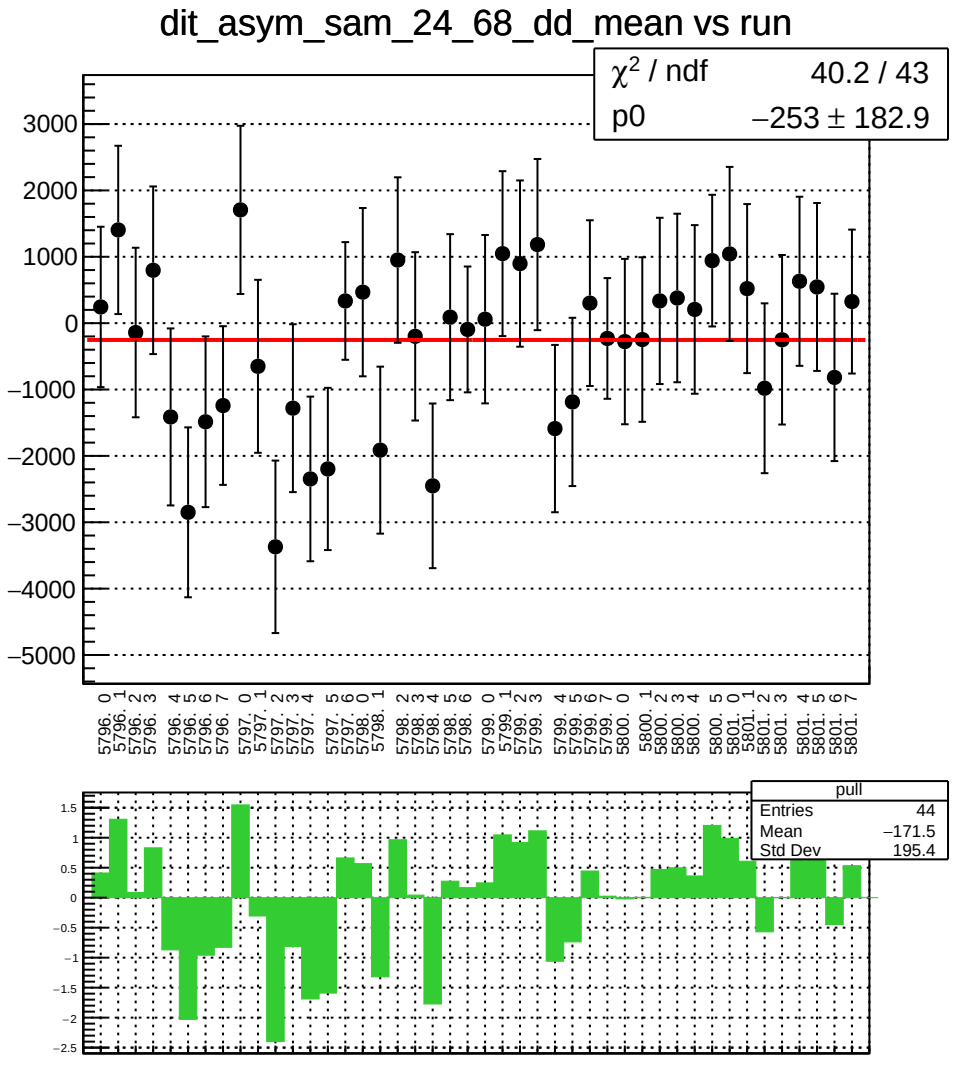

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 36.31 / 43
p0 421.8 ± 510
10000
5000
0
−5000
−10000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 1022
Std Dev 985.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.001139
Std Dev 0.9084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

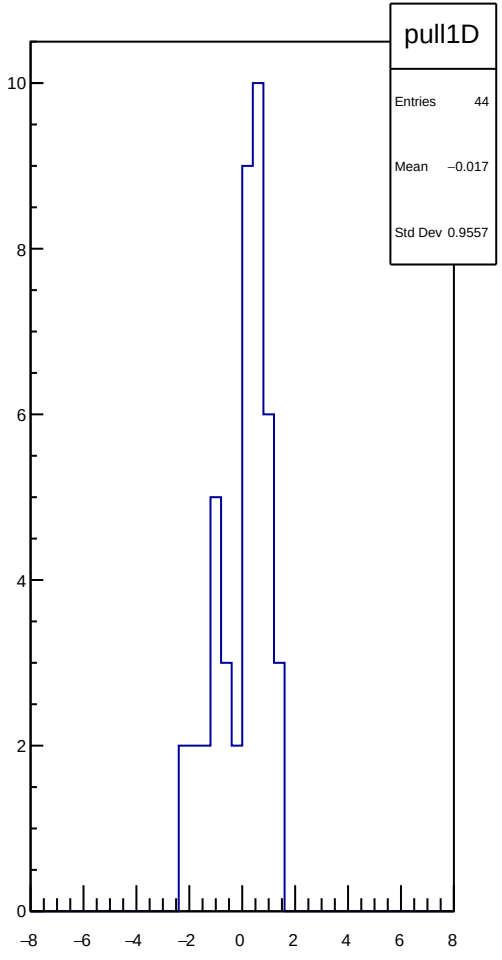

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2029 / 43
p0 333.9 ± 0.3606
380
370
360
350
340
330
320
310
300
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

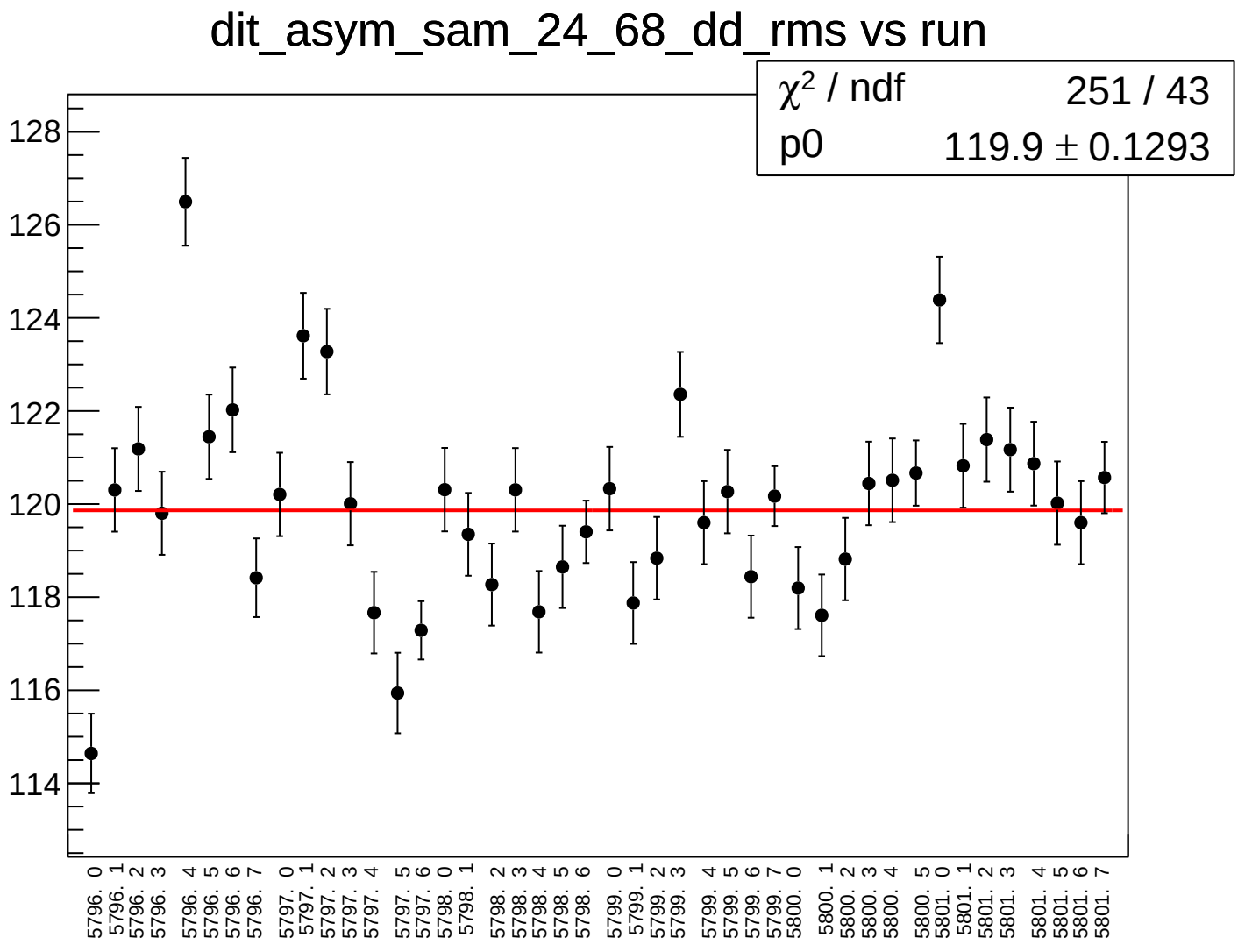

asym_sam_15_37_dd_mean vs run
χ² / ndf 36.07 / 43
p0 −460.7 ± 512.7
10000
5000
0
−5000
−10000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −264.6
Std Dev 303.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 44
Mean −0.003315
Std Dev 0.9054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

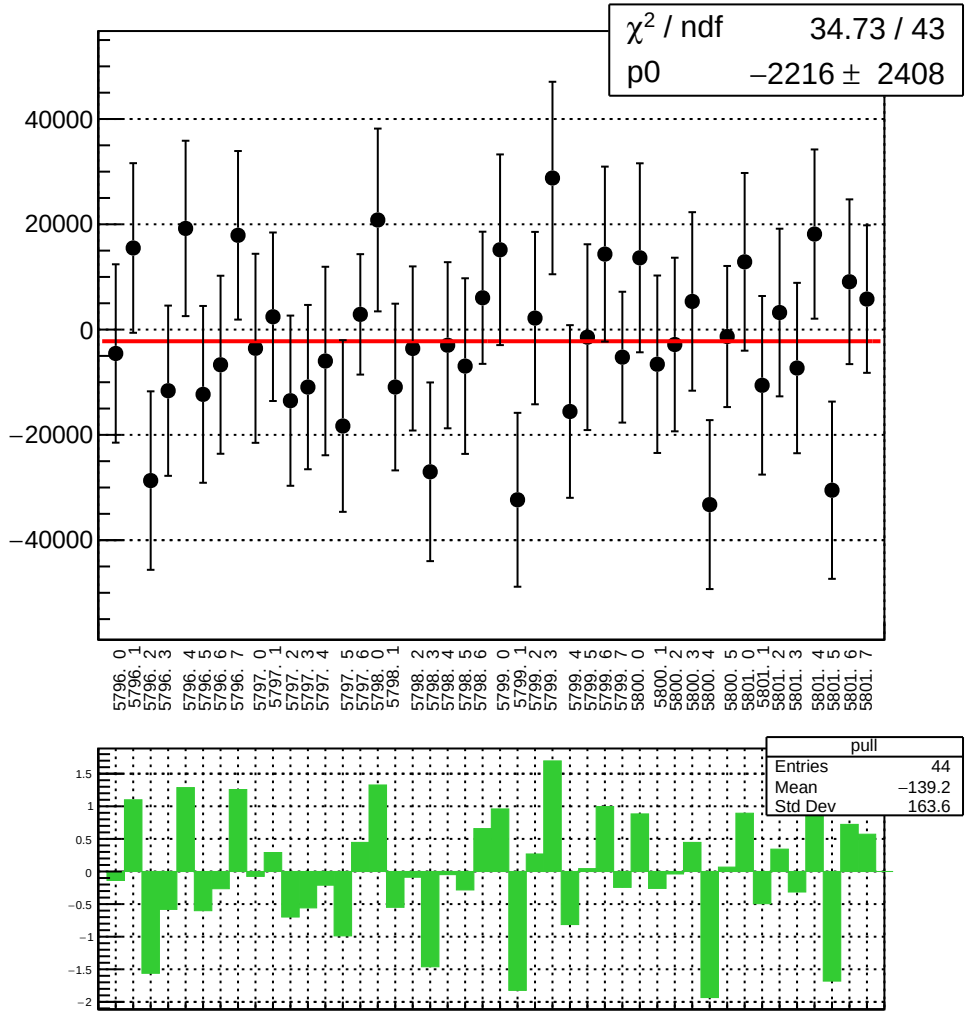

asym_sam_15_37_dd_rms vs run
χ² / ndf 2375 / 43
p0 335.7 ± 0.3626
380
370
360
350
340
330
320
310
300
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

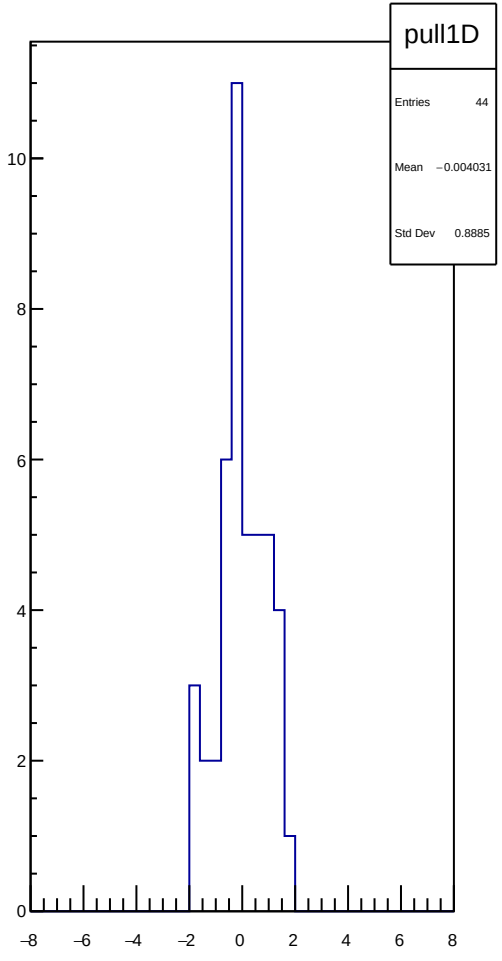

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 40.2 / 43
p0 −253 ± 182.9
pull
Entries 44
Mean −171.5
Std Dev 195.4

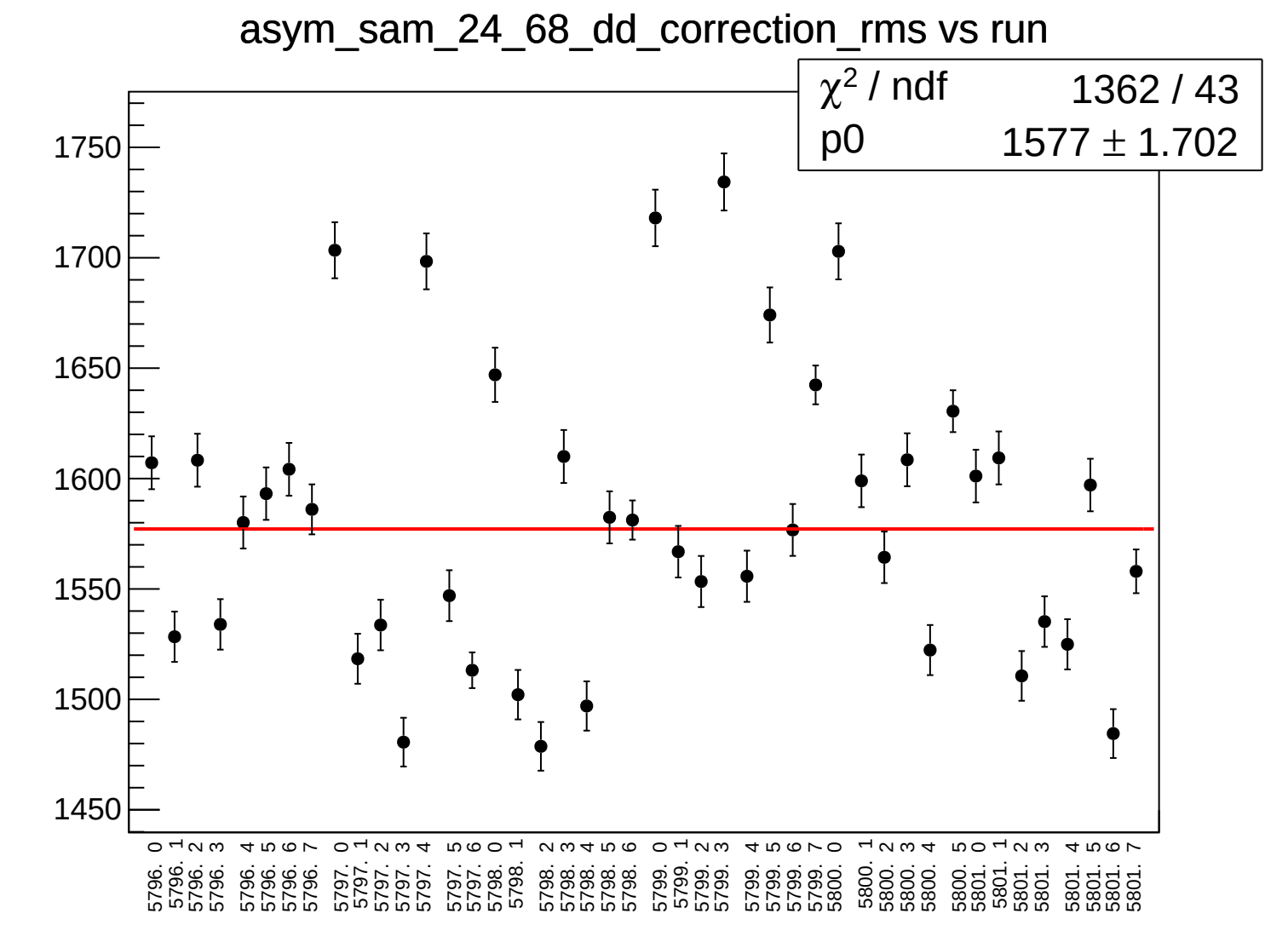

pull1D
Entries 44
Mean −0.017
Std Dev 0.9557

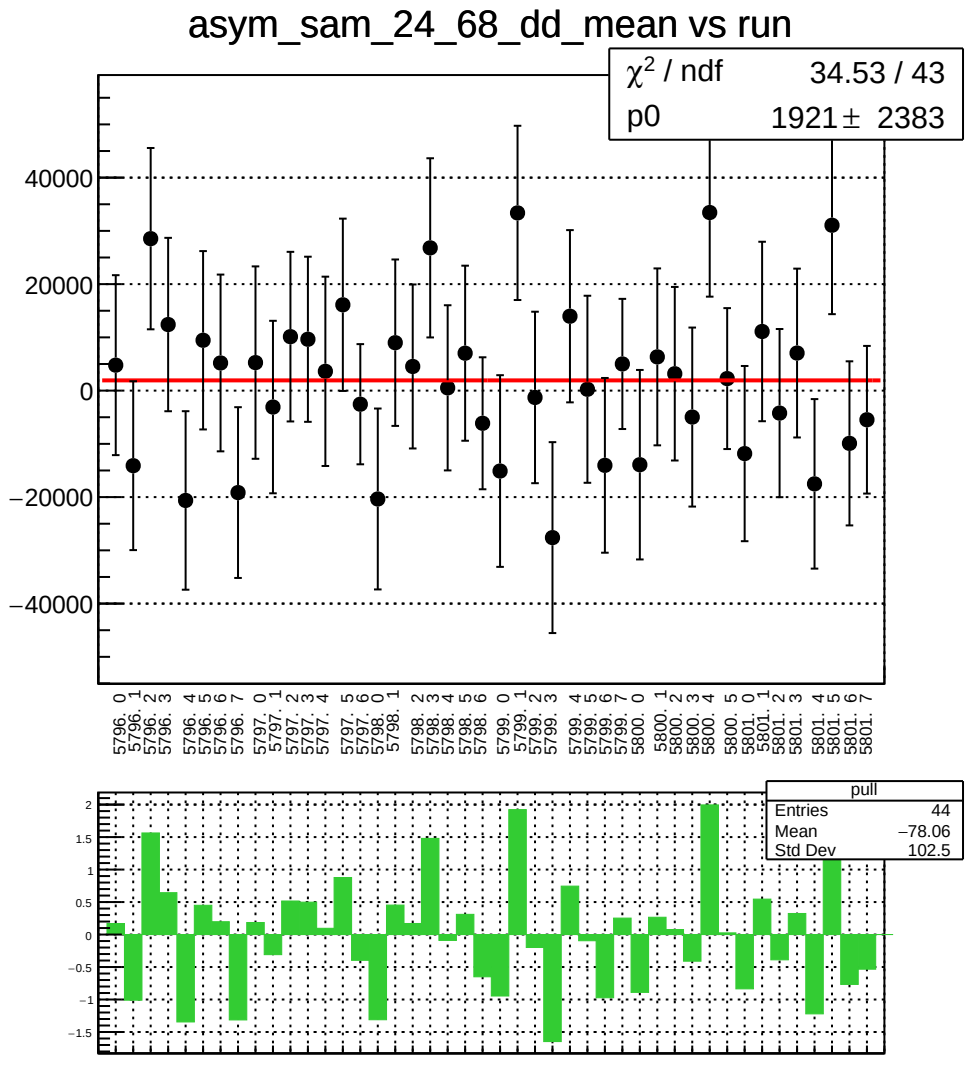

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 251 / 43
p0 119.9 ± 0.1293
128
126
124
122
120
118
116
114
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

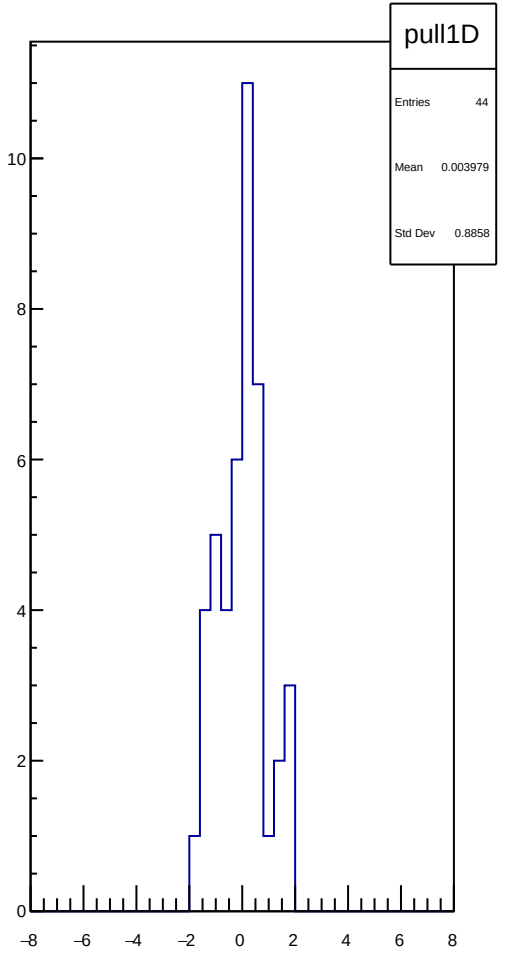
asym_sam_24_68_dd_correction_mean vs run

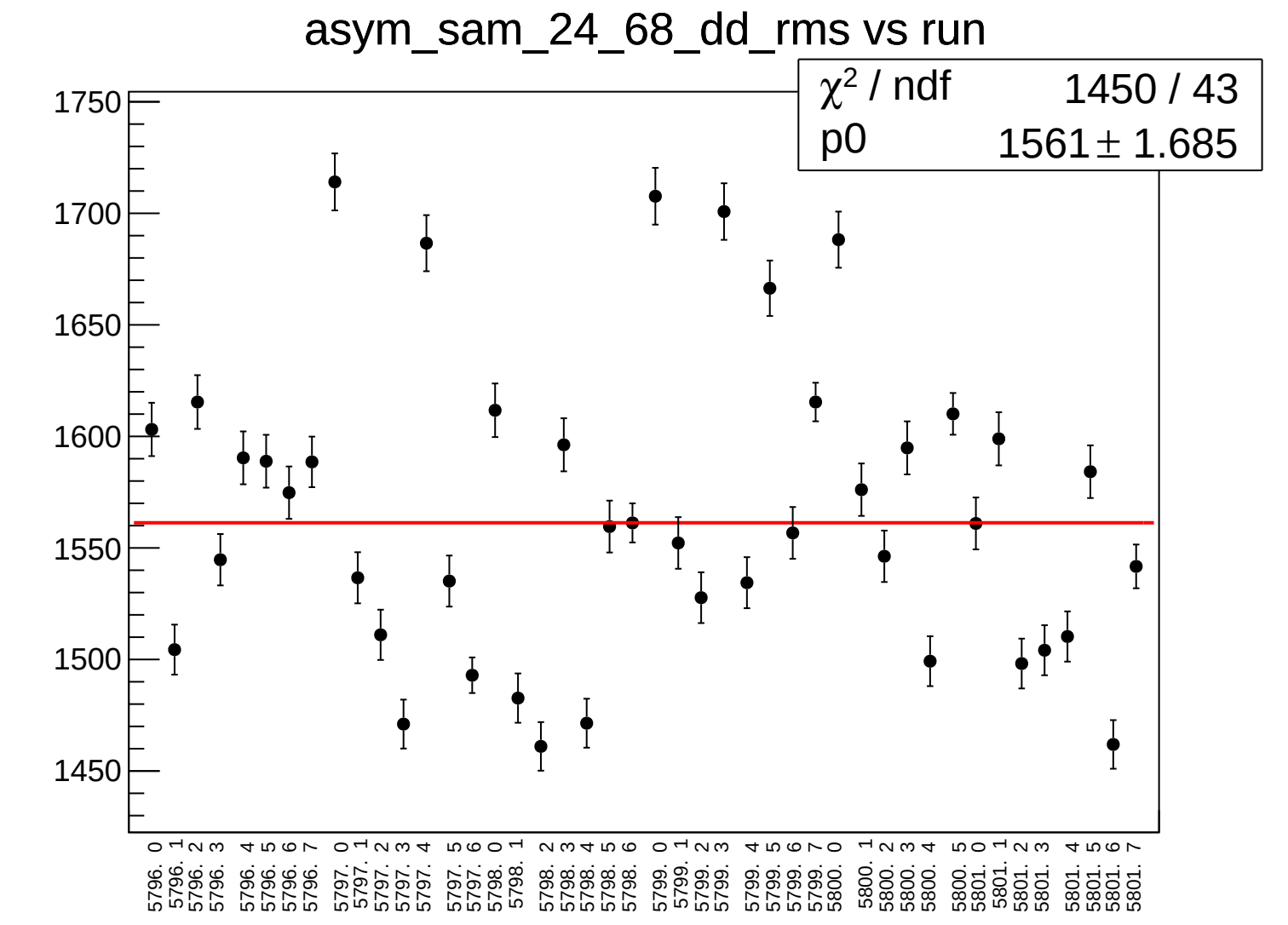


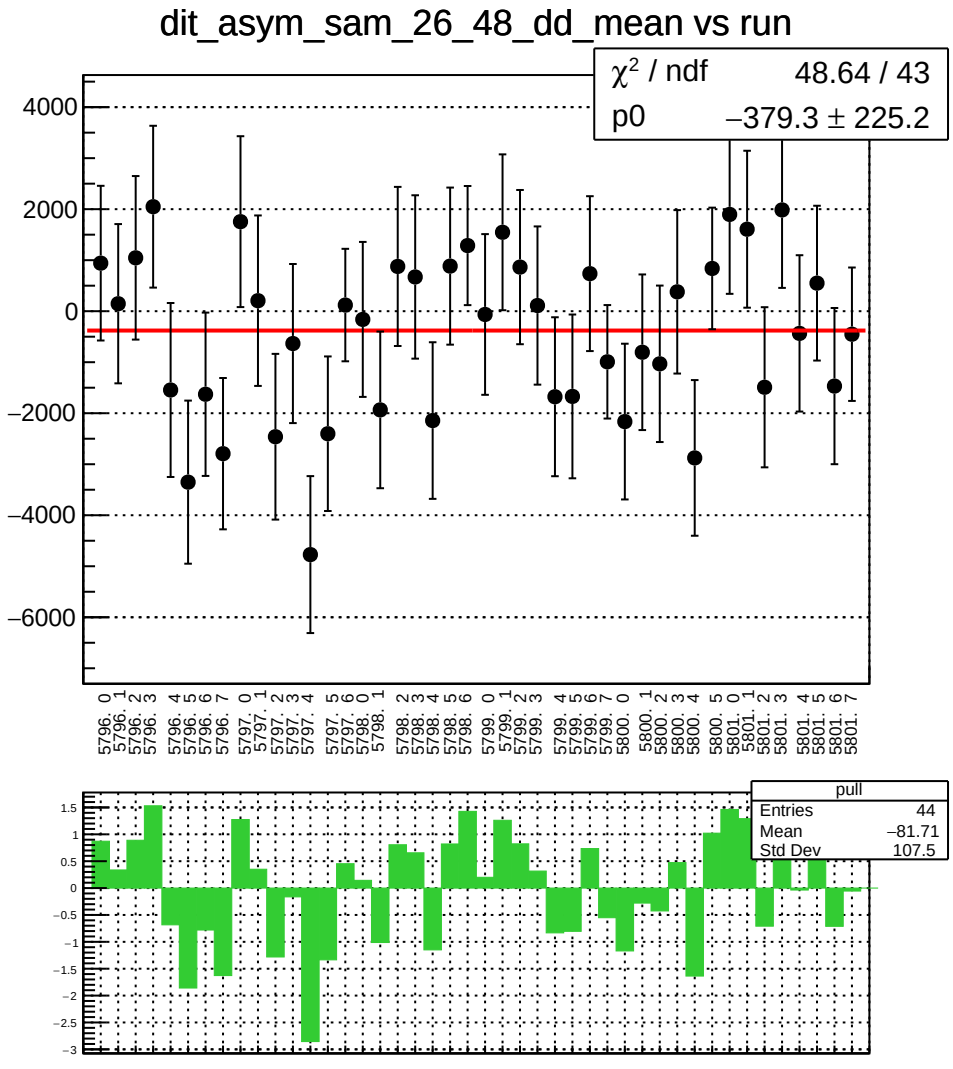


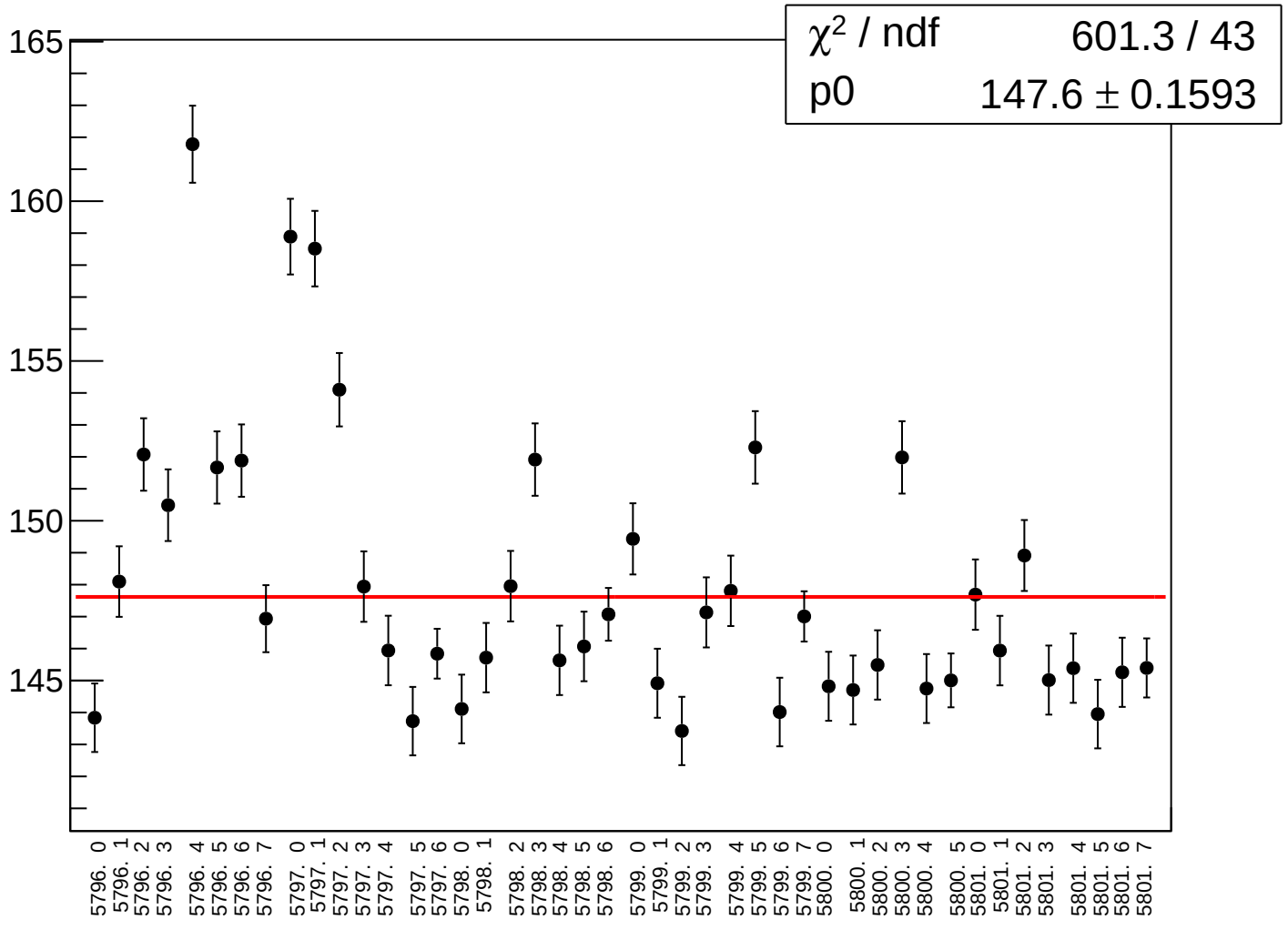

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1362 / 43
p0 1577 ± 1.702
1750
1700
1650
1600
1550
1500
1450
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

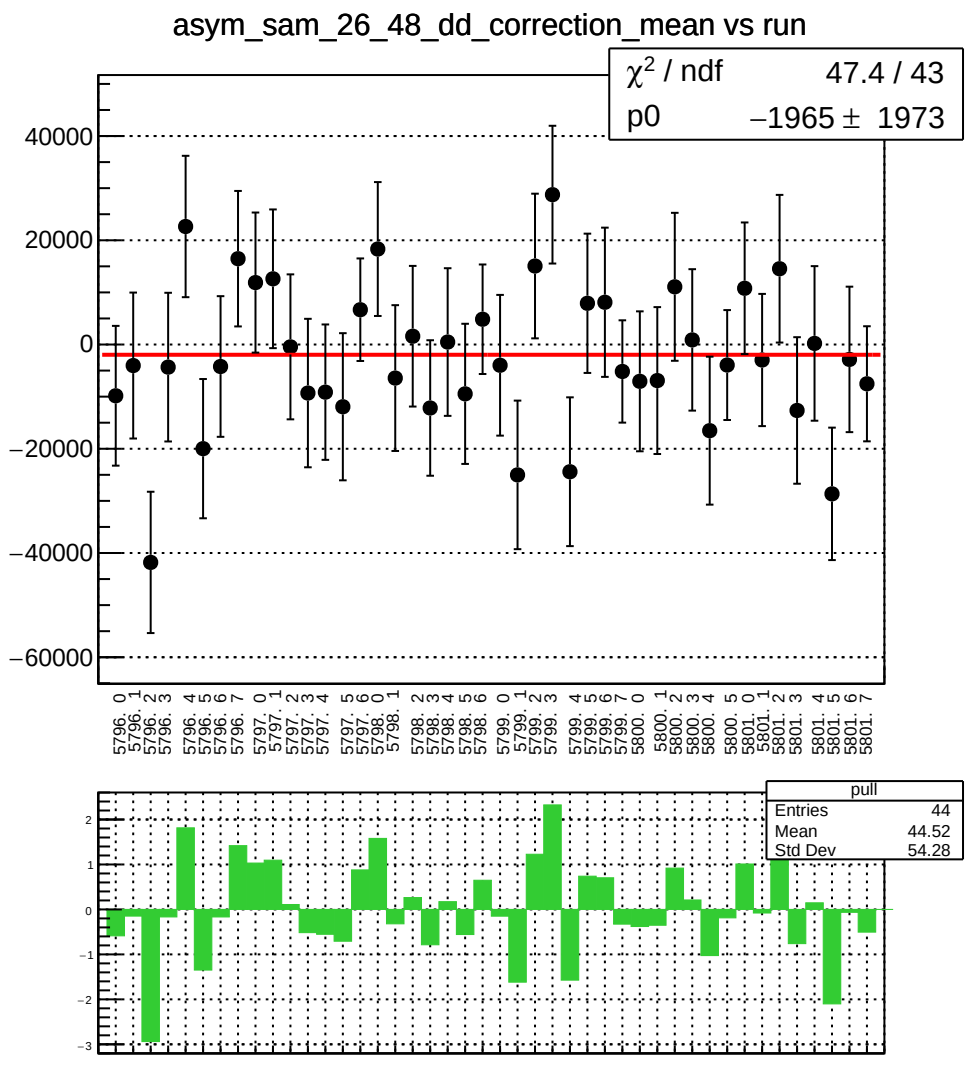

asym_sam_24_68_dd_mean vs run
χ² / ndf 34.53 / 43
p0 1921 ± 2383
40000
20000
0
−20000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −78.06
Std Dev 102.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

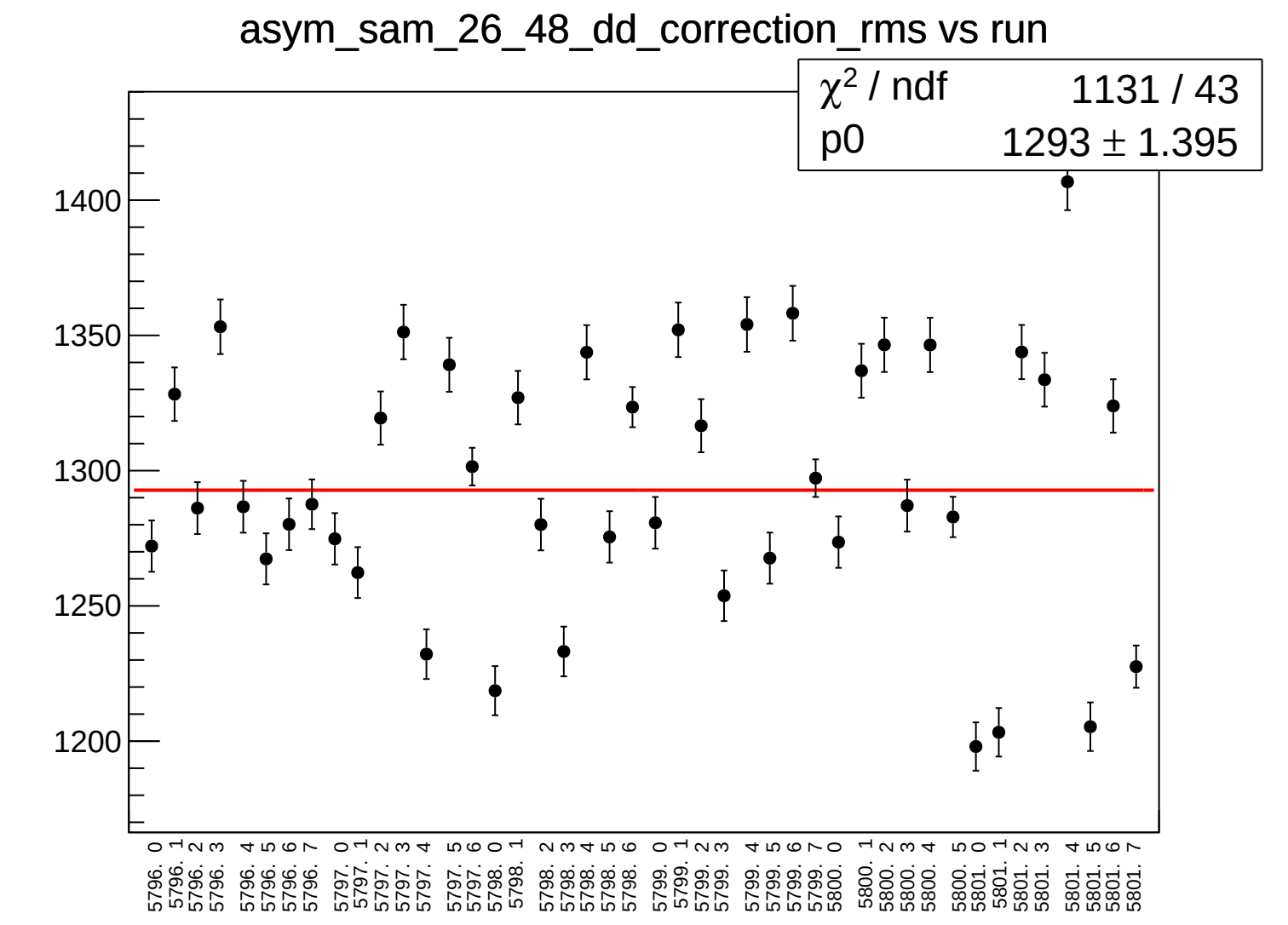

pull1D
Entries 44
Mean 0.003979
Std Dev 0.8858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

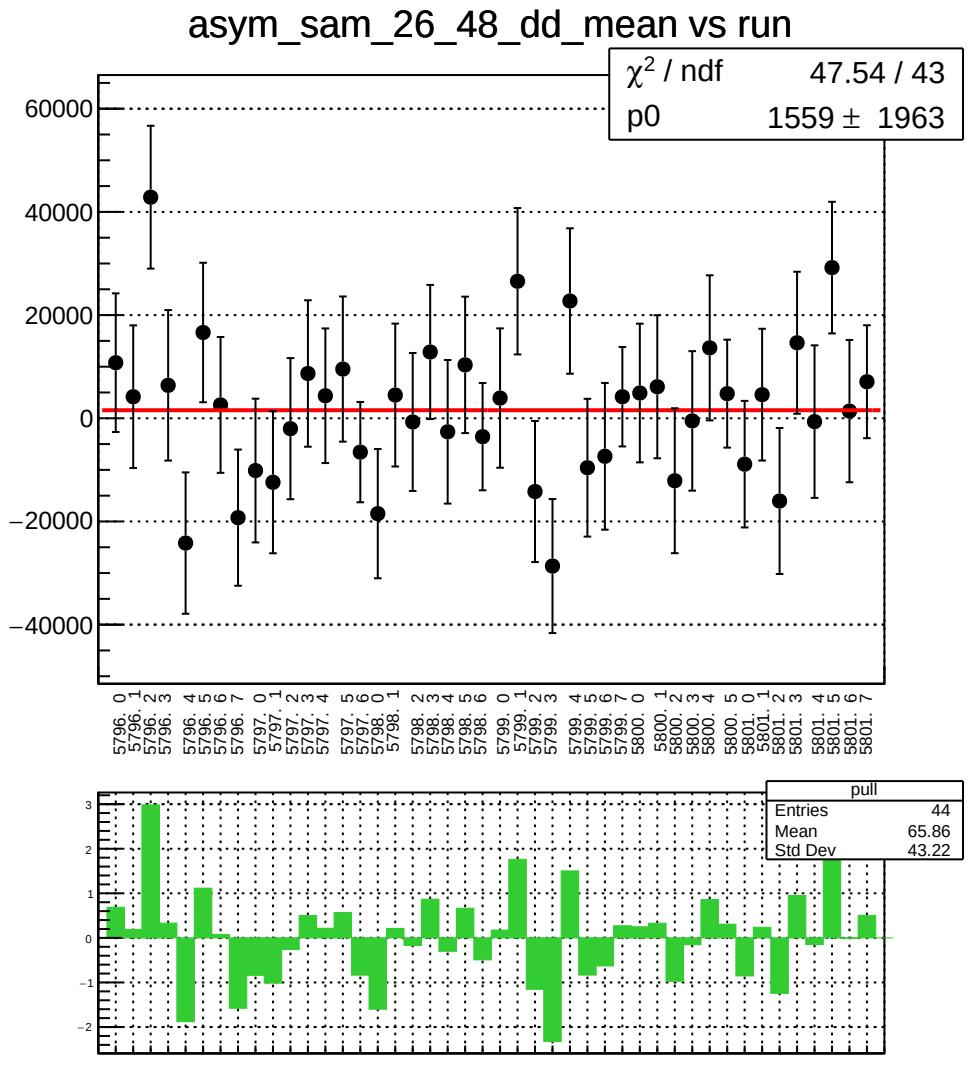

asym_sam_24_68_dd_rms vs run
χ² / ndf 1450 / 43
p0 1561 ± 1.685
1750
1700
1650
1600
1550
1500
1450
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

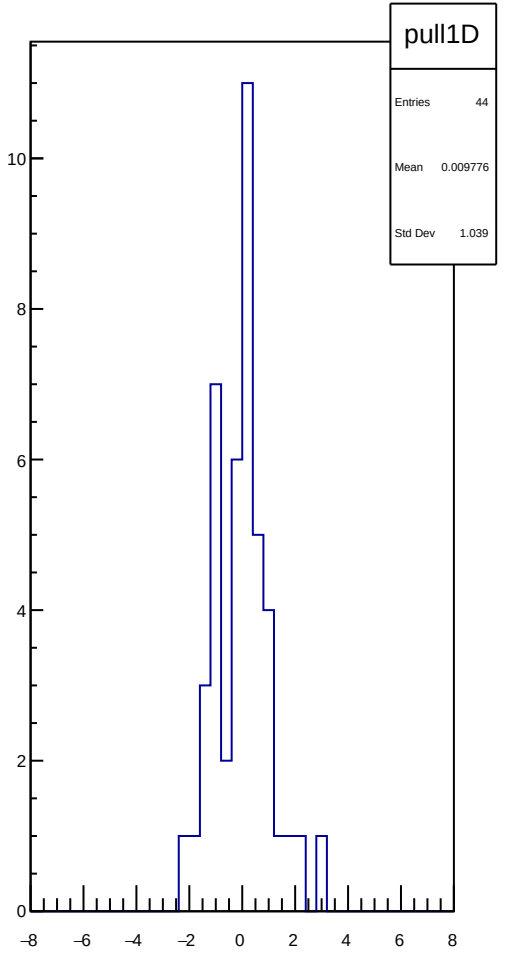

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 48.64 / 43
p0 −379.3 ± 225.2
4000
2000
0
−2000
−4000
−6000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −81.71
Std Dev 107.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 44
Mean −0.01491
Std Dev 1.051
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

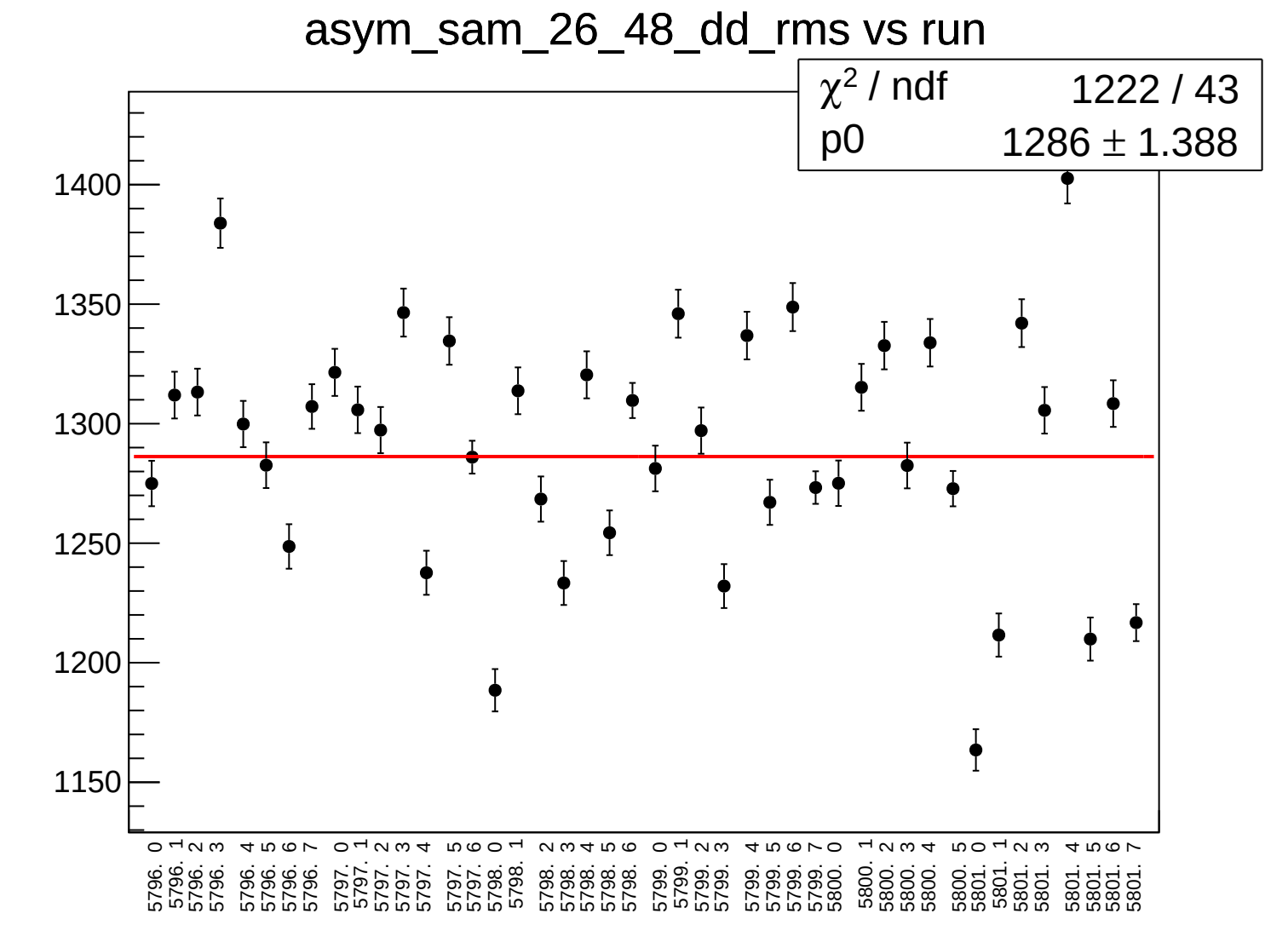

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 601.3 / 43
p0 147.6 ± 0.1593
165
160
155
150
145
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

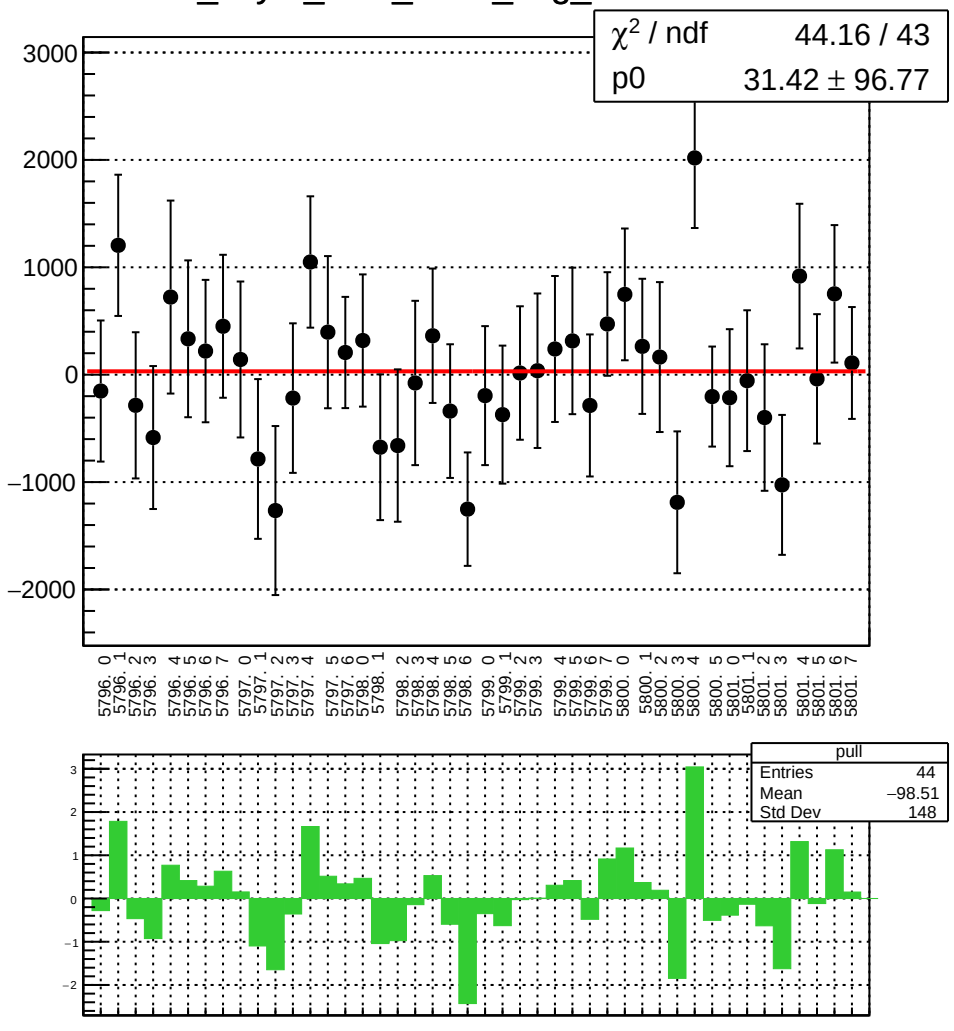

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 47.4 / 43
p0 −1965 ± 1973
40000
20000
0
−20000
−40000
−60000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 44.52
Std Dev 54.28
2
1
0
−1
−2
−3
pull1D
Entries 44
Mean −0.01029
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

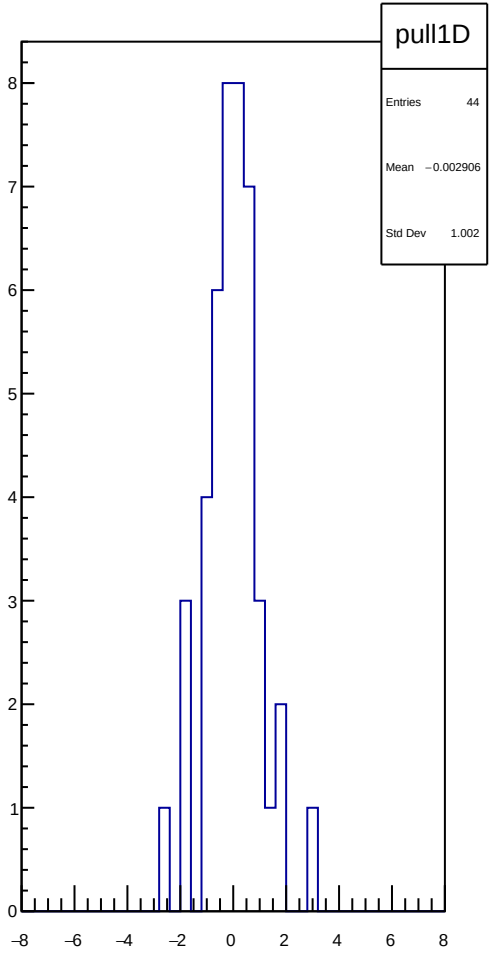

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1131 / 43
p0 1293 ± 1.395
1400
1350
1300
1250
1200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

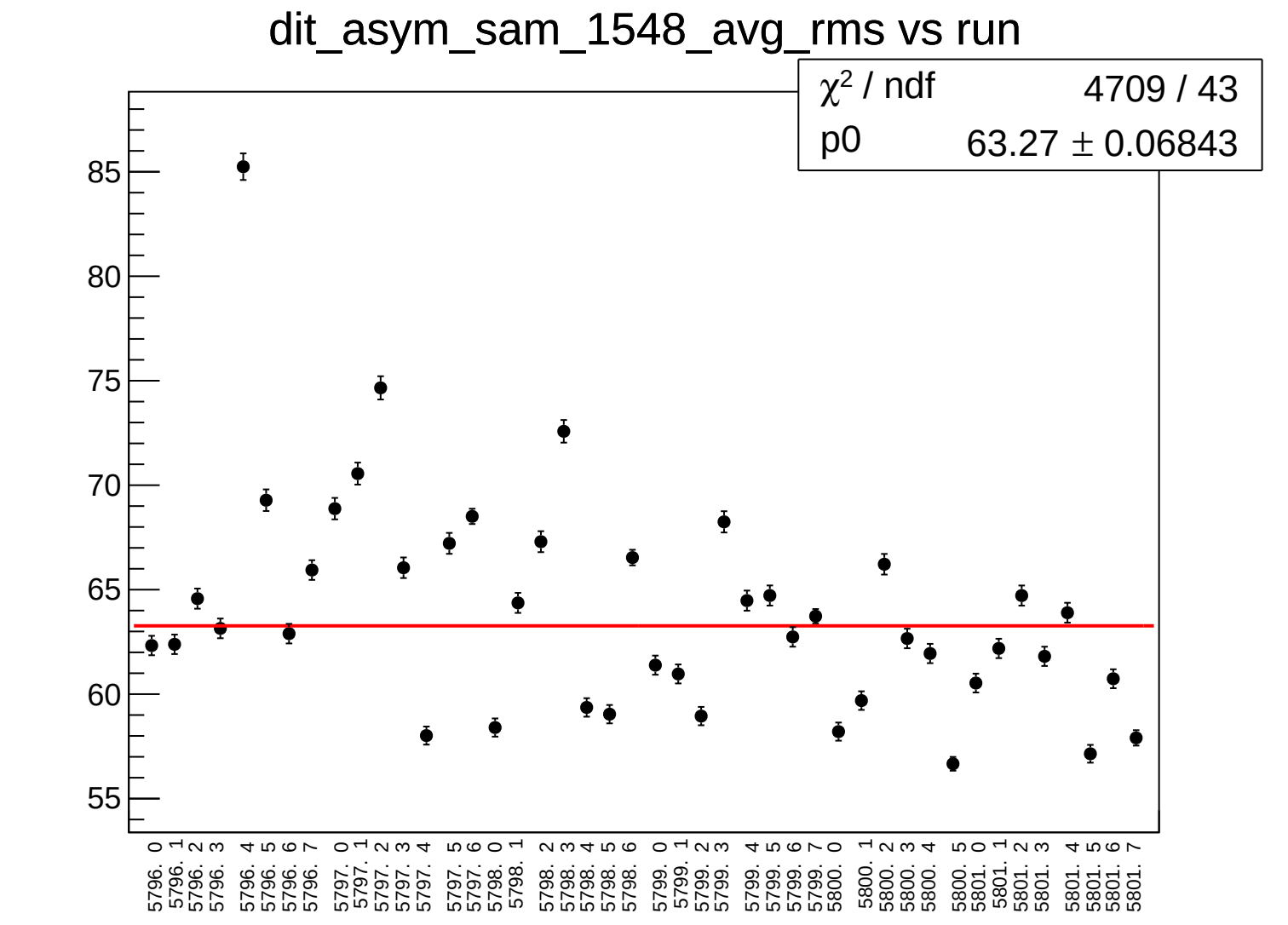

asym_sam_26_48_dd_mean vs run
χ² / ndf 47.54 / 43
p0 1559 ± 1963
60000
40000
20000
0
−20000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 65.86
Std Dev 43.22
3
2
1
0
−1
−2

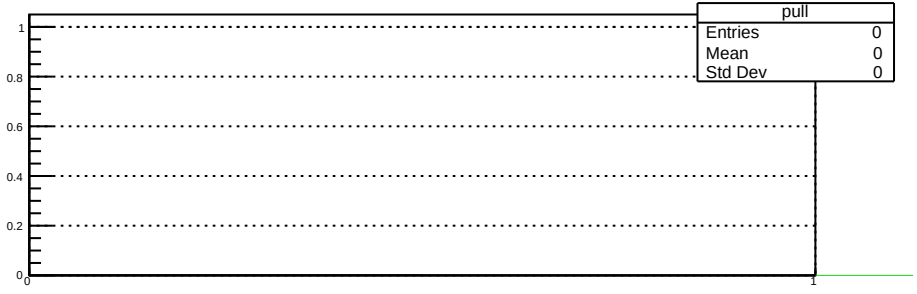

pull1D
Entries 44
Mean 0.009776
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

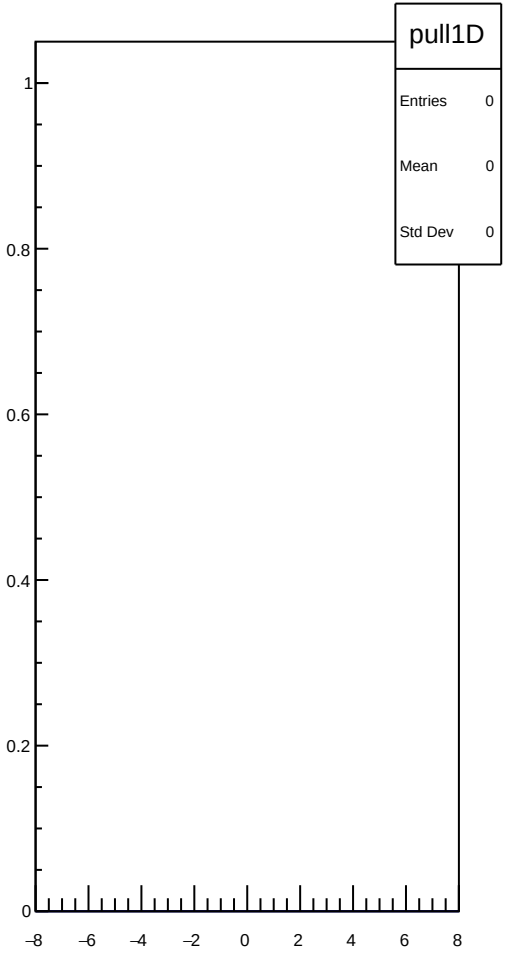

asym_sam_26_48_dd_rms vs run
χ² / ndf 1222 / 43
p0 1286 ± 1.388
1400
1350
1300
1250
1200
1150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

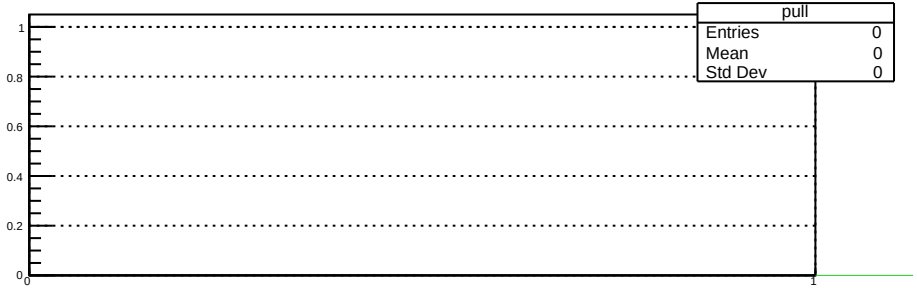

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 44.16 / 43
p0 31.42 ± 96.77
3000
2000
1000
0
−1000
−2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −98.51
Std Dev 148
3
2
1
0
−1
−2

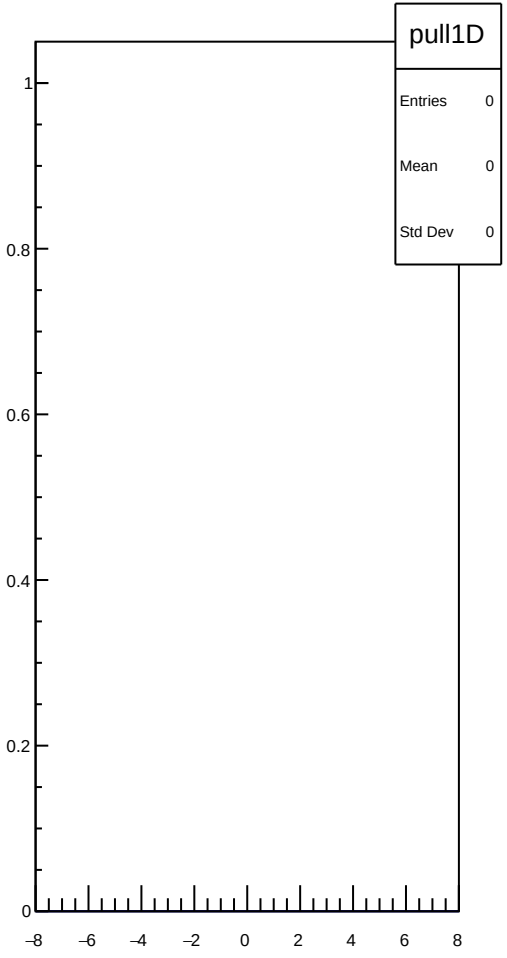

pull1D
Entries 44
Mean −0.002906
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

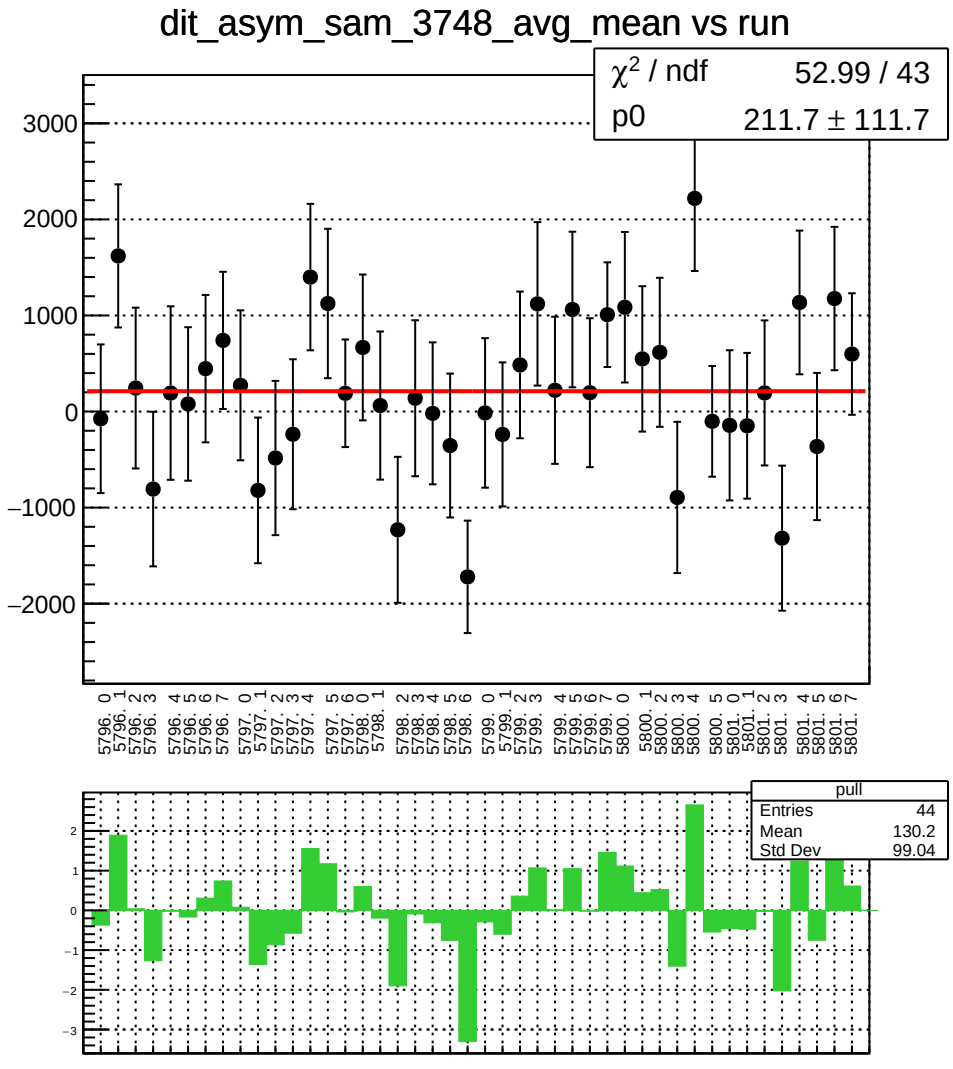

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 4709 / 43
p0 63.27 ± 0.06843
85
80
75
70
65
60
55
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

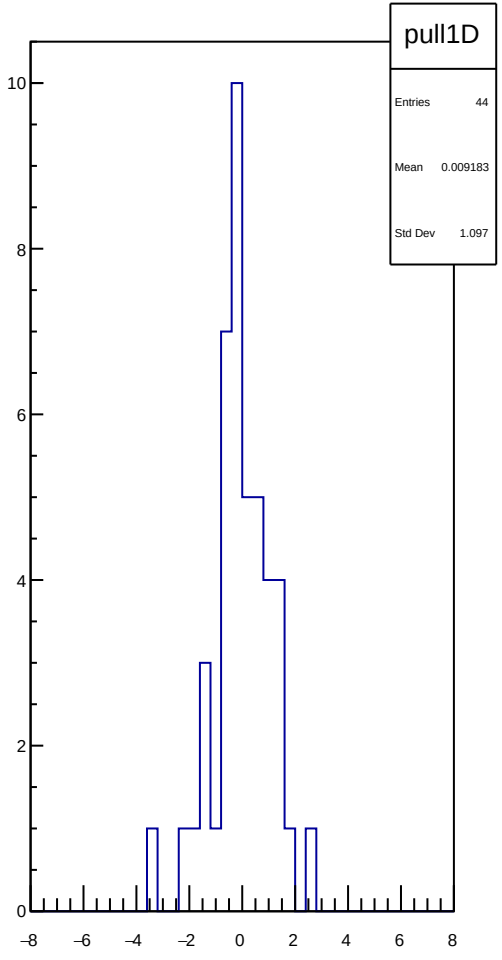

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

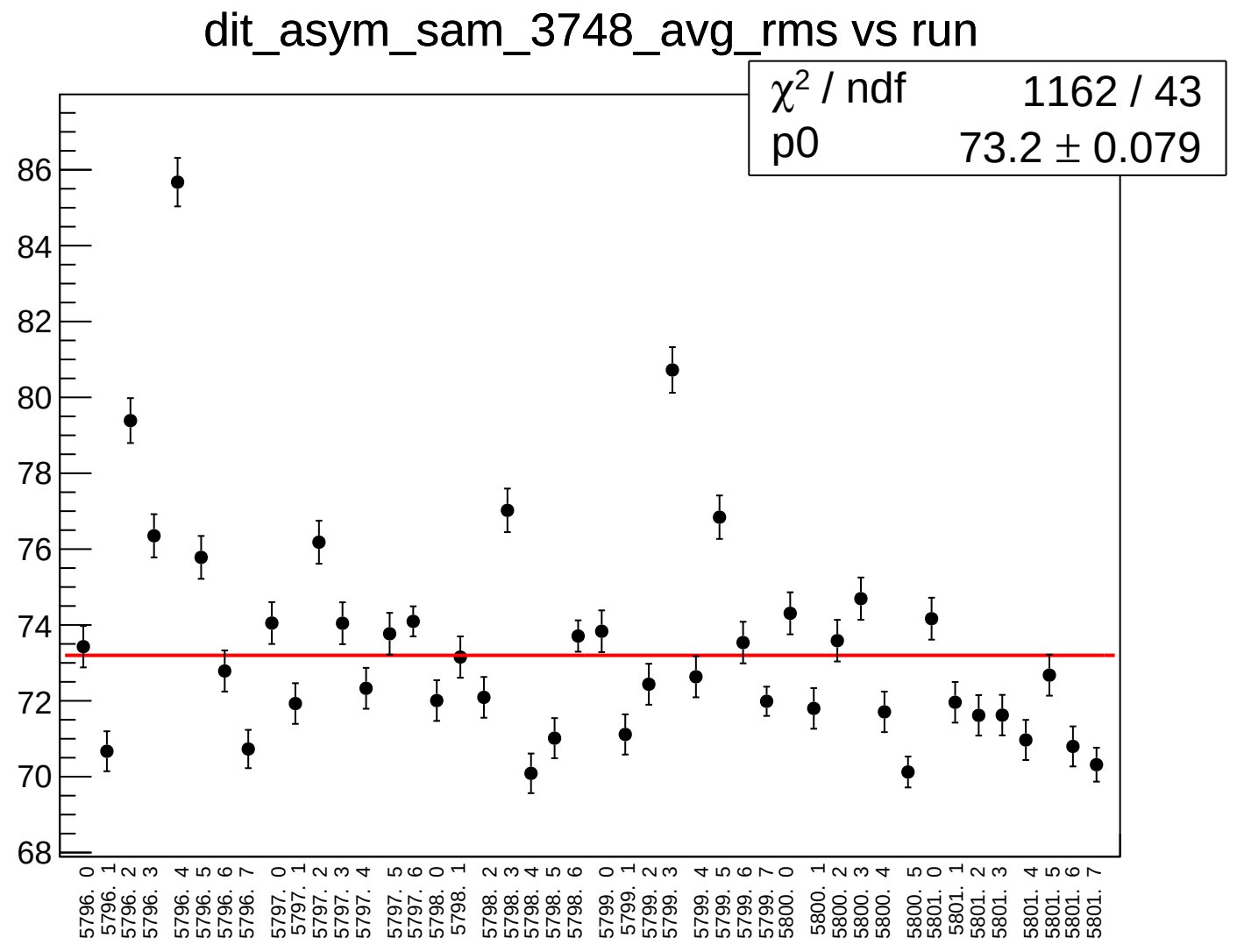

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

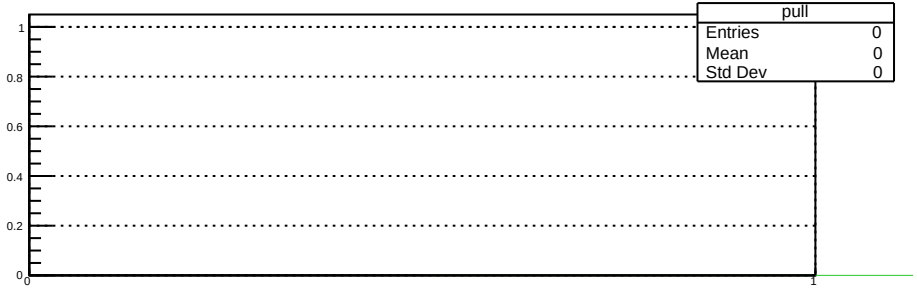

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

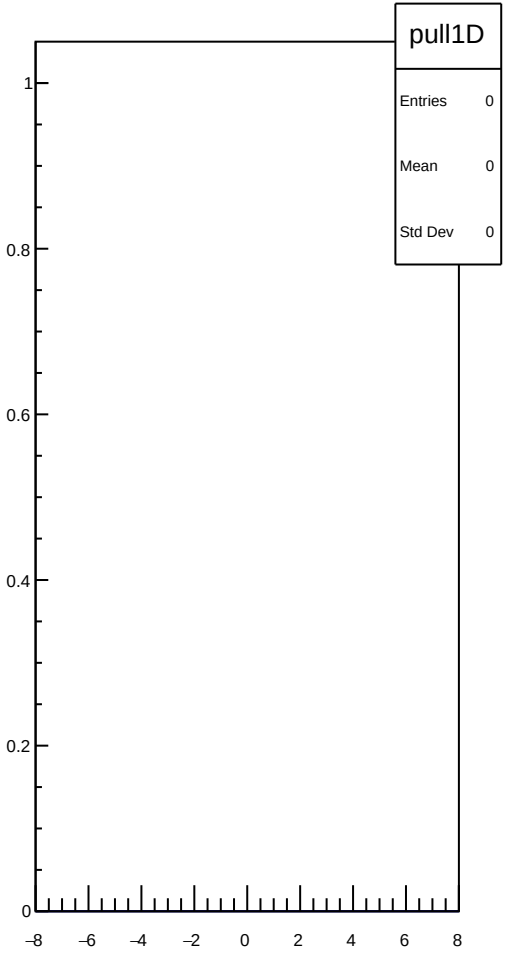

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

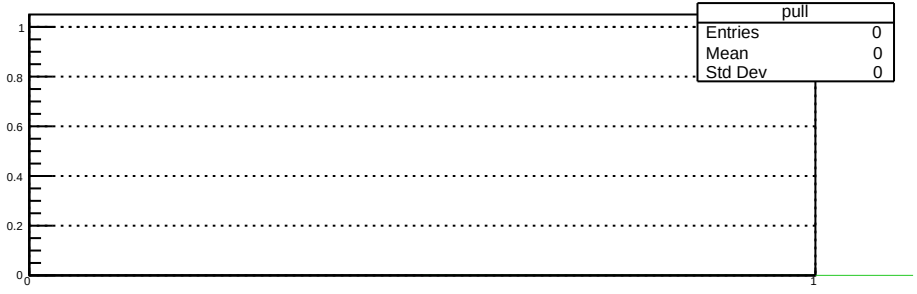

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 52.99 / 43
p0 211.7 ± 111.7
3000
2000
1000
0
−1000
−2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 130.2
Std Dev 99.04
2
1
0
−1
−2
−3

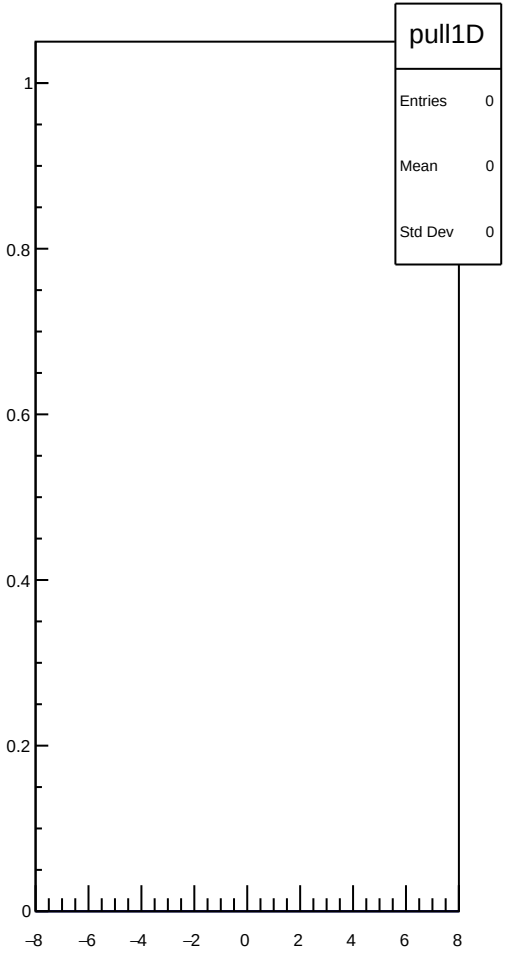

pull1D
Entries 44
Mean 0.009183
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

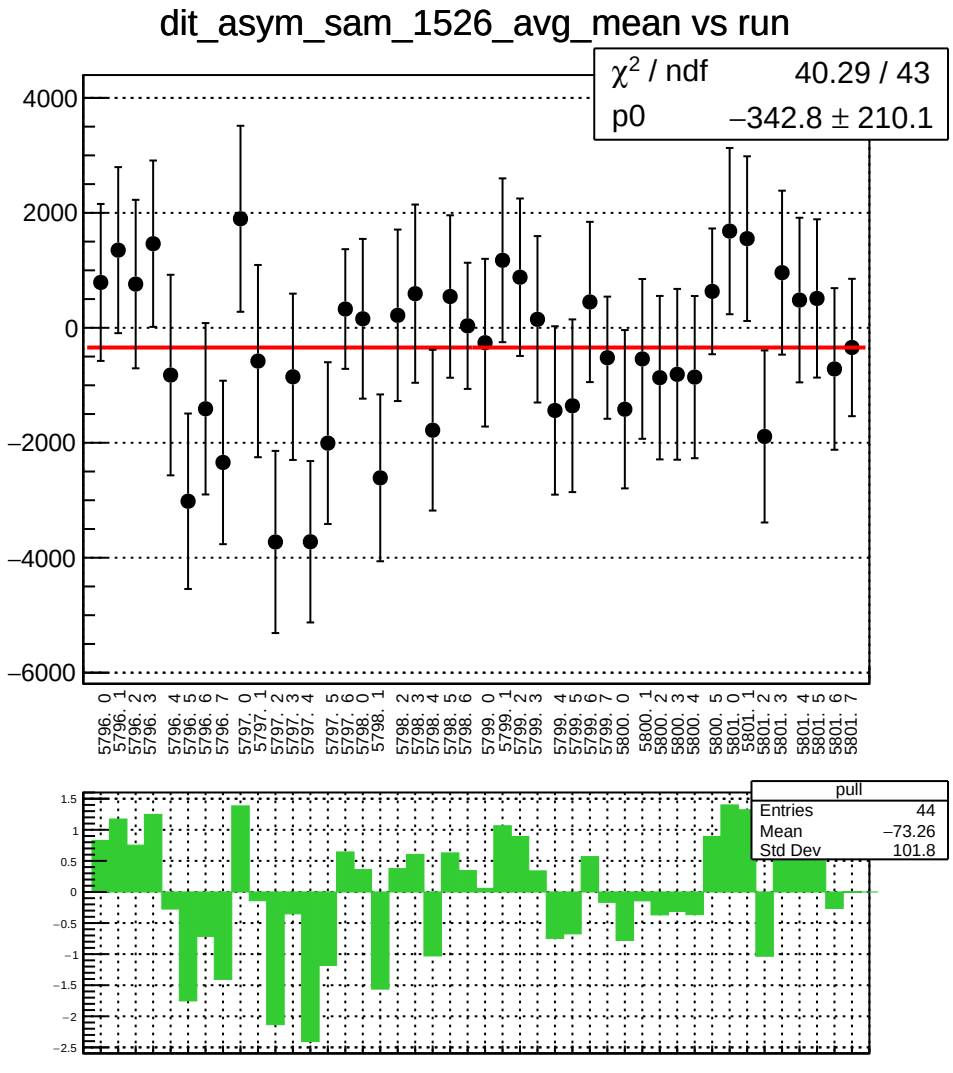

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1162 / 43
p0 73.2 ± 0.079
86
84
82
80
78
76
74
72
70
68
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

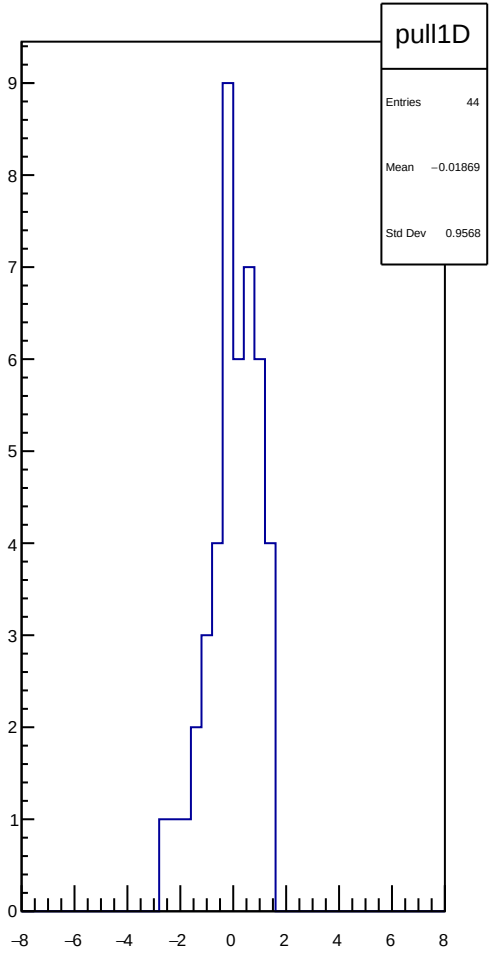

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

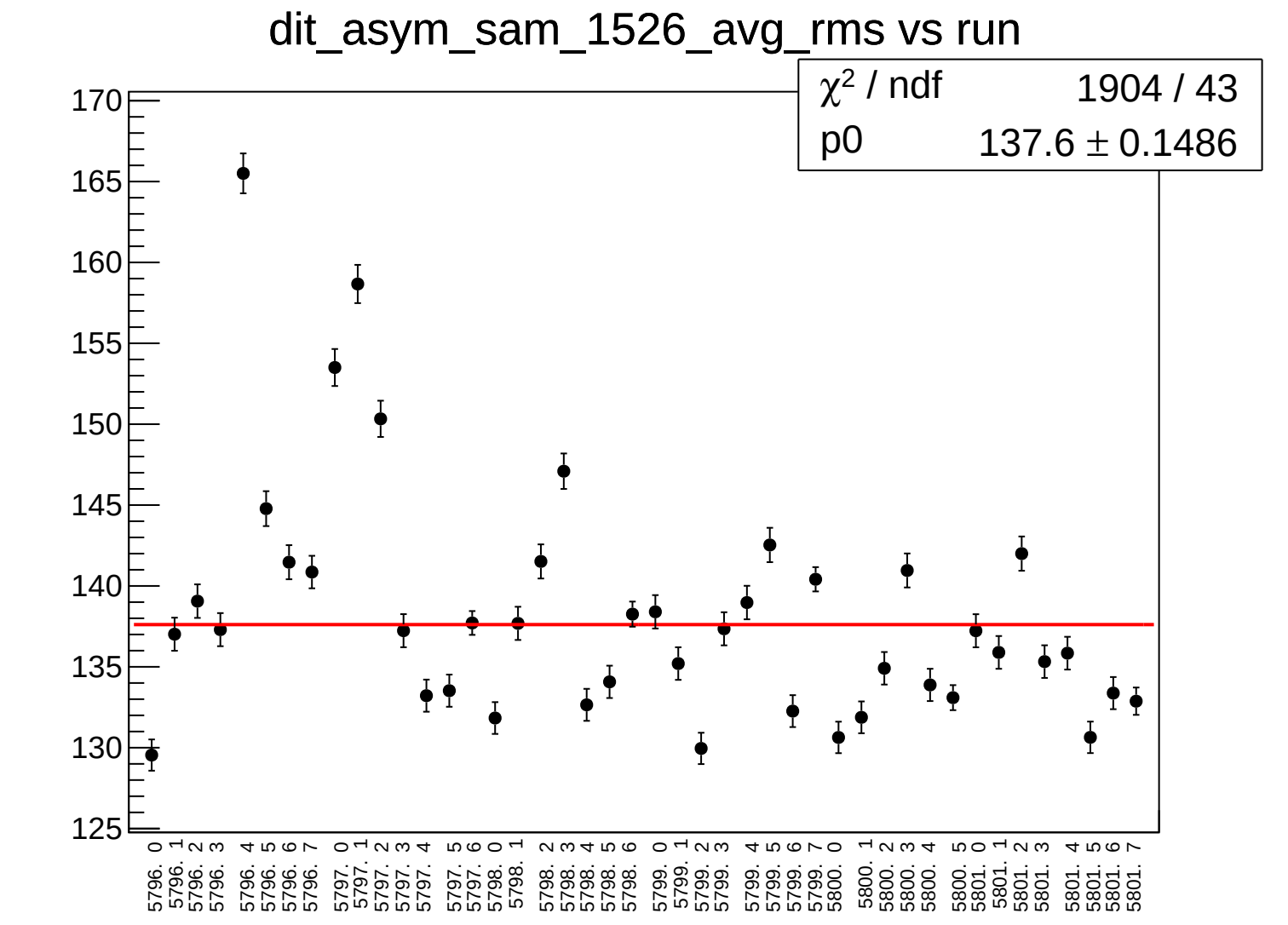

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

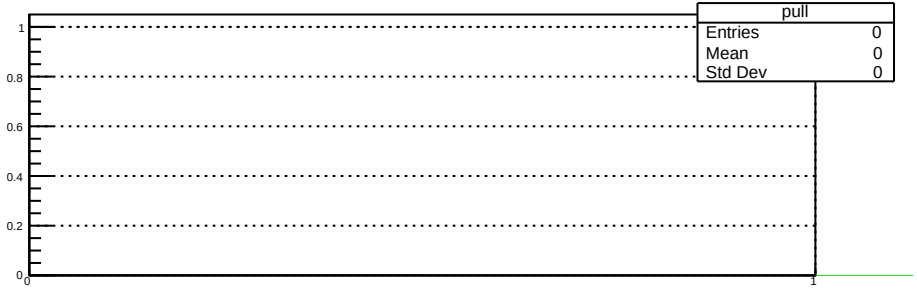

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

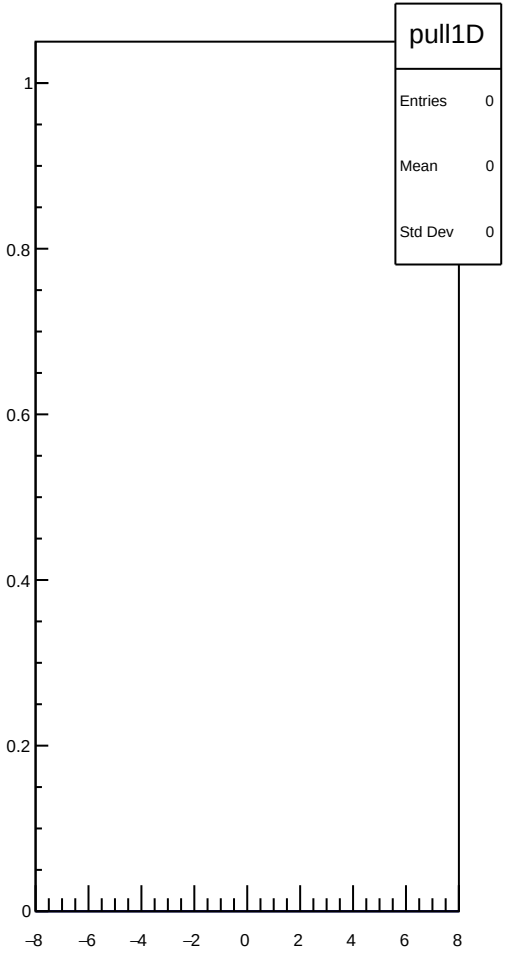

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

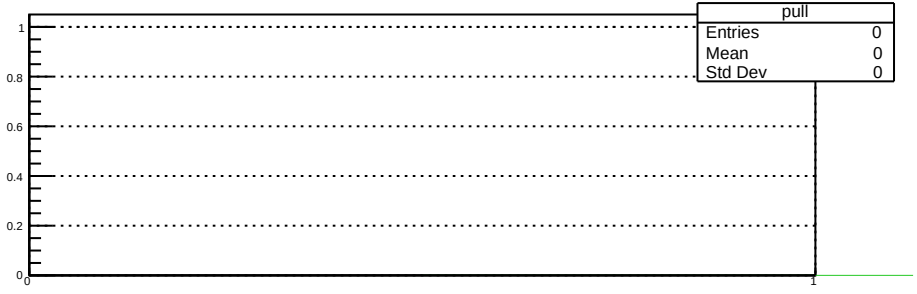

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 40.29 / 43
p0 −342.8 ± 210.1
4000
2000
0
−2000
−4000
−6000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −73.26
Std Dev 101.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

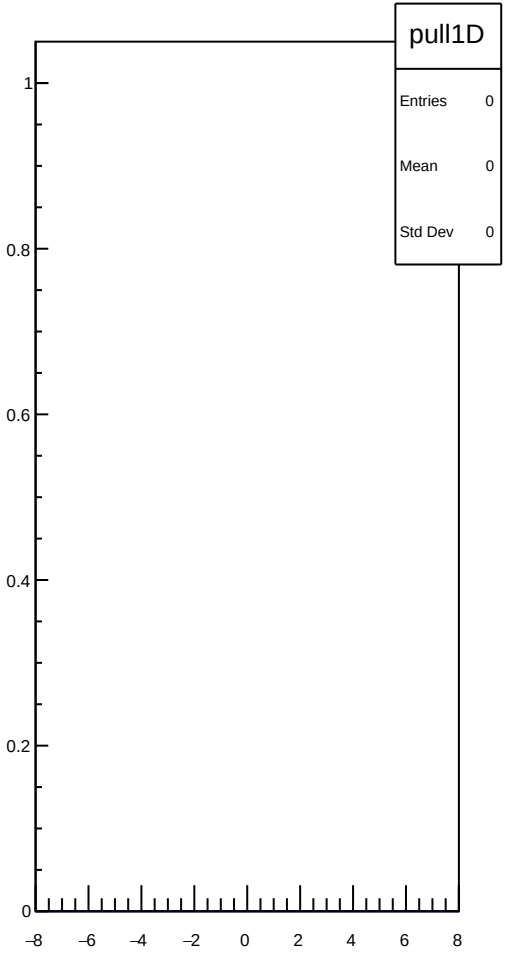

pull1D
Entries 44
Mean −0.01869
Std Dev 0.9568
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

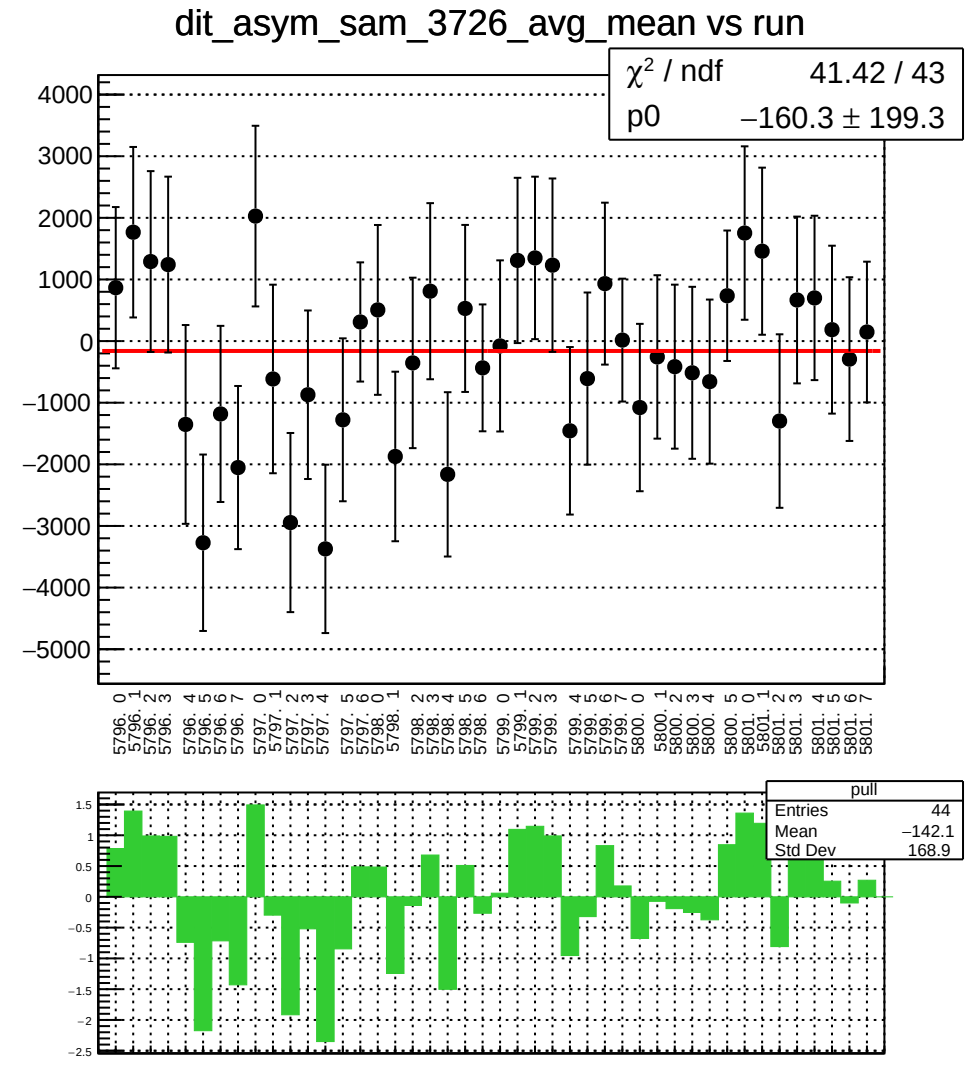

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1904 / 43
p0 137.6 ± 0.1486
170
165
160
155
150
145
140
135
130
125
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

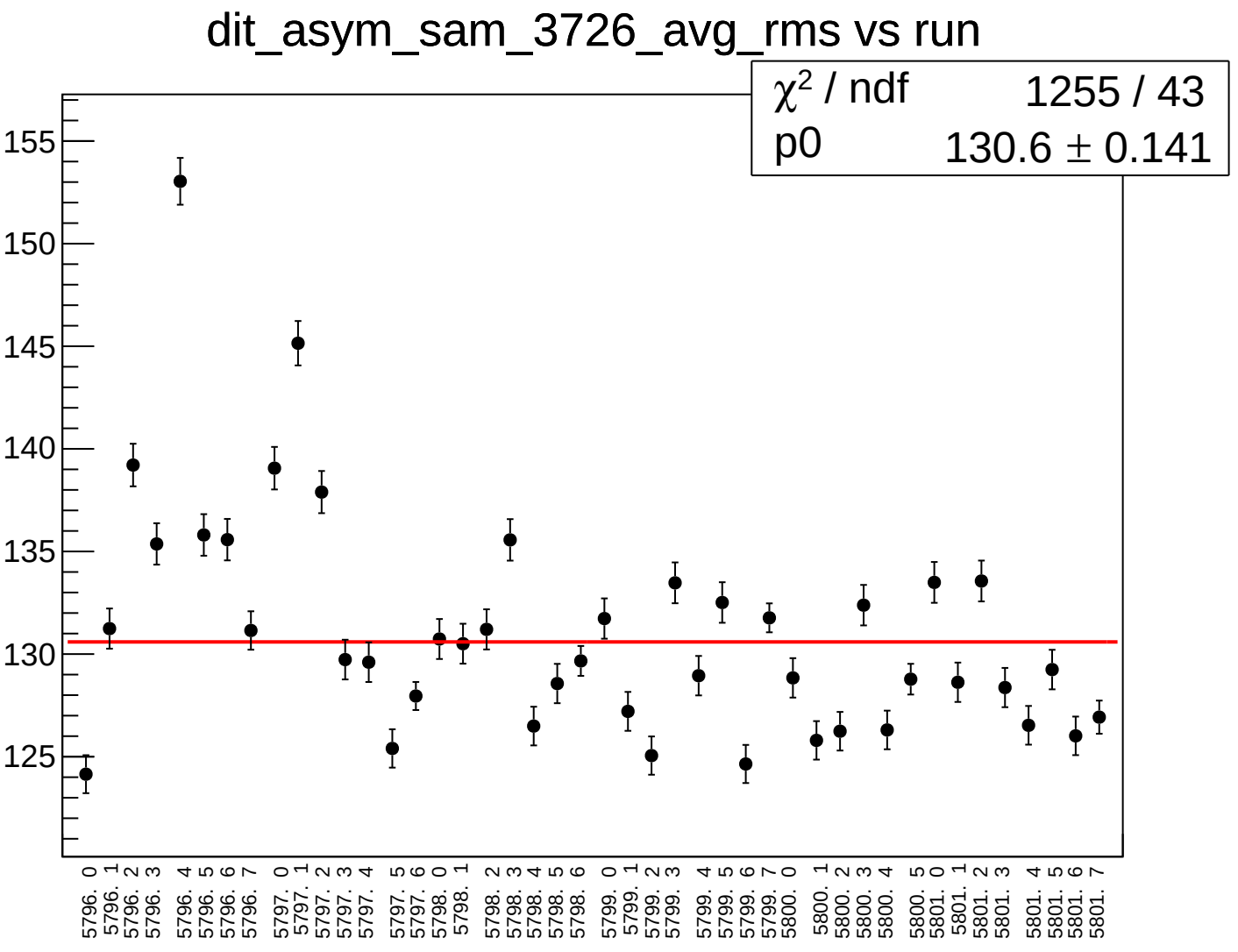

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

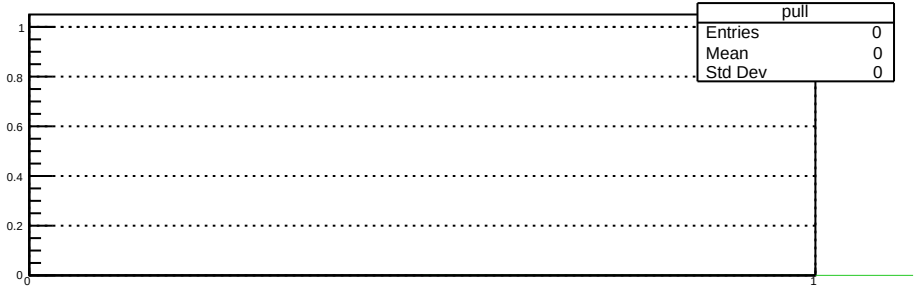

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

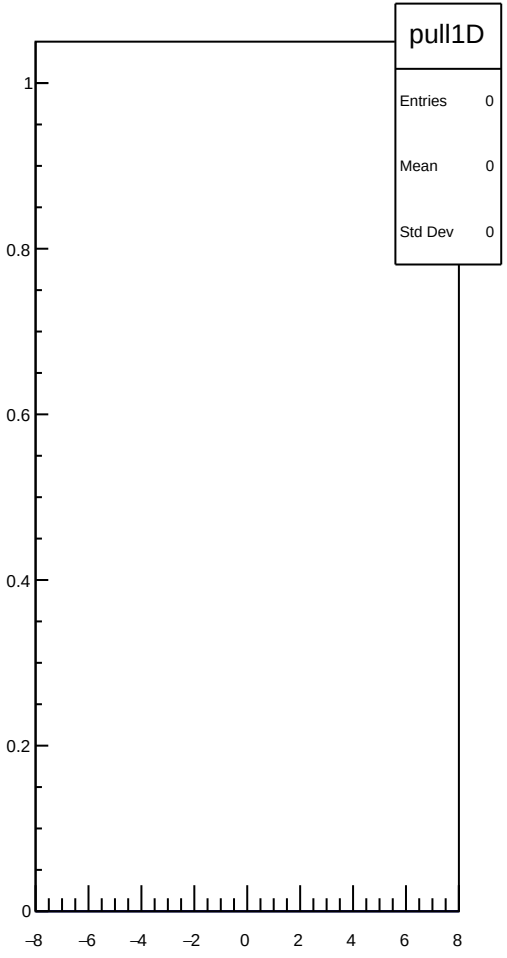

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

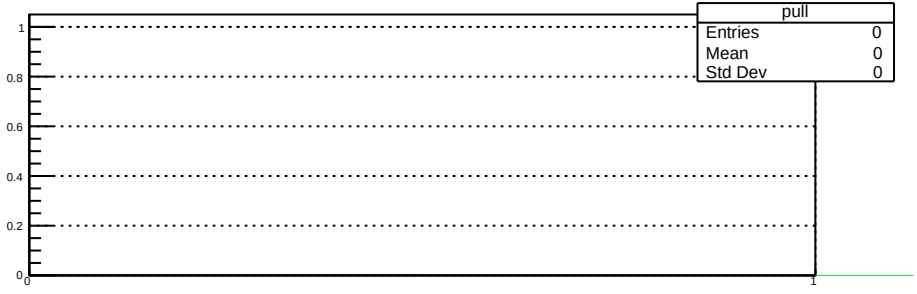

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

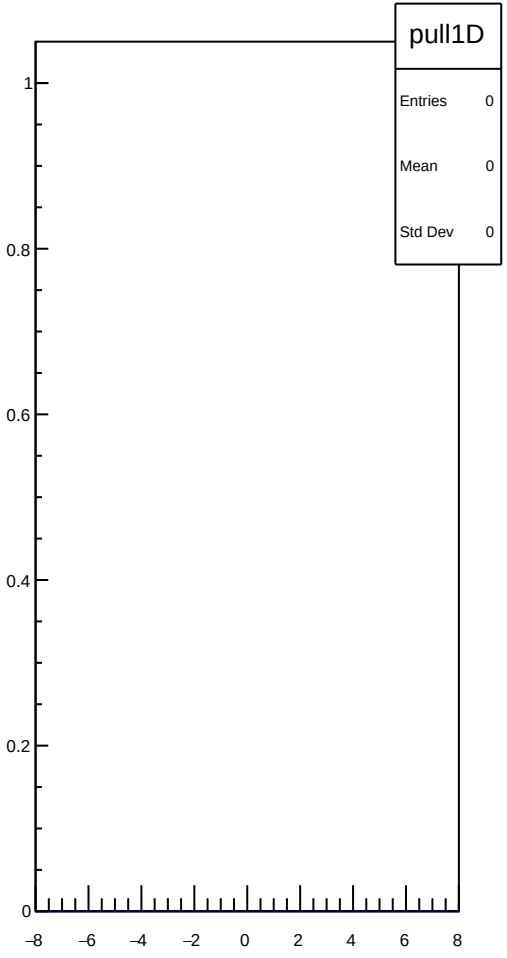

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 41.42 / 43
p0 −160.3 ± 199.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −142.1
Std Dev 168.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 44
Mean −0.01386
Std Dev 0.9702
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

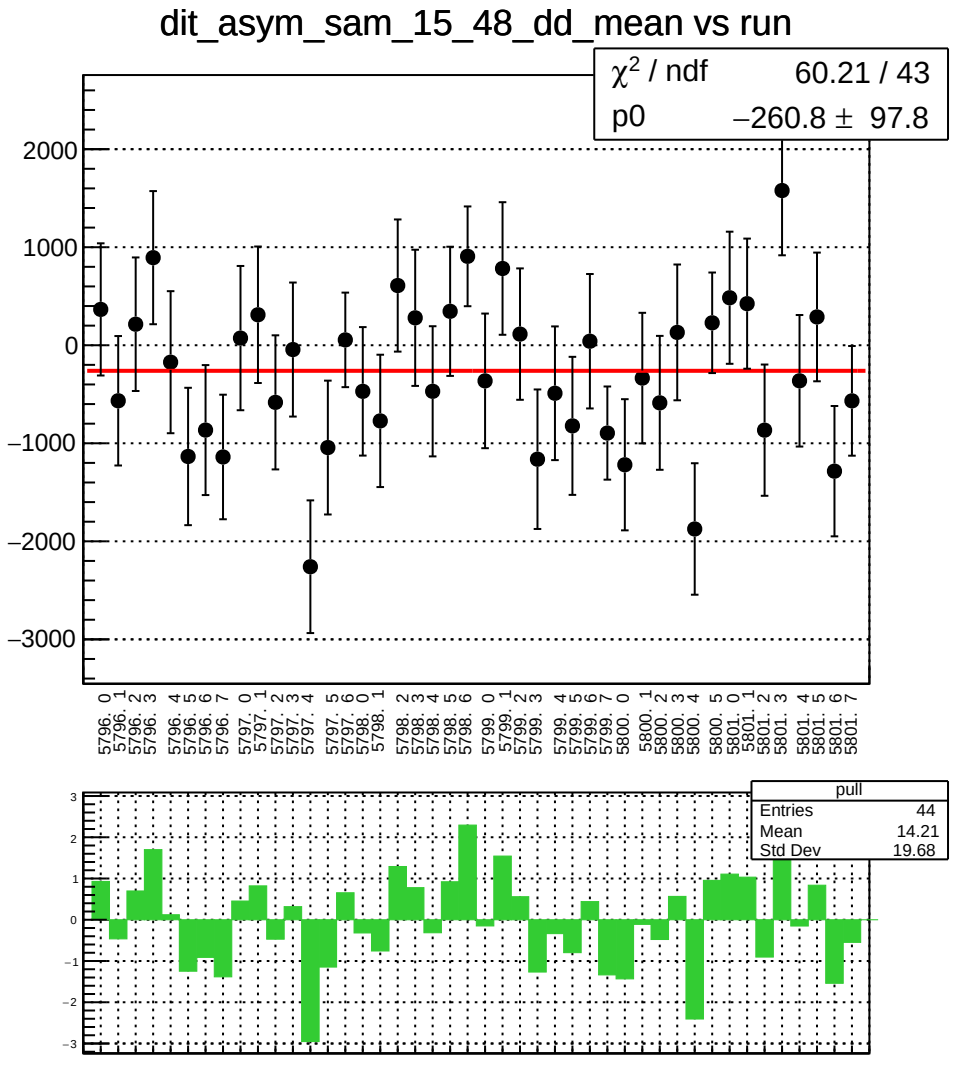

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1255 / 43
p0 130.6 ± 0.141
155
150
145
140
135
130
125
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

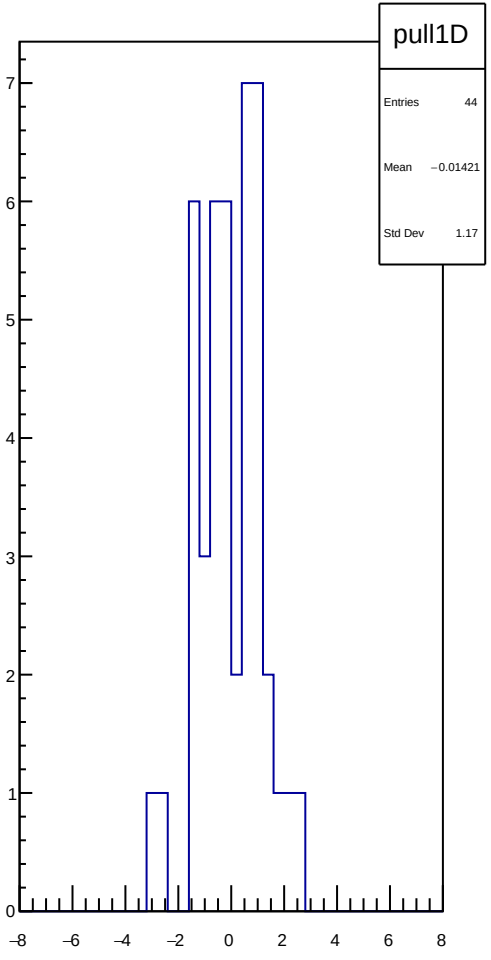

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

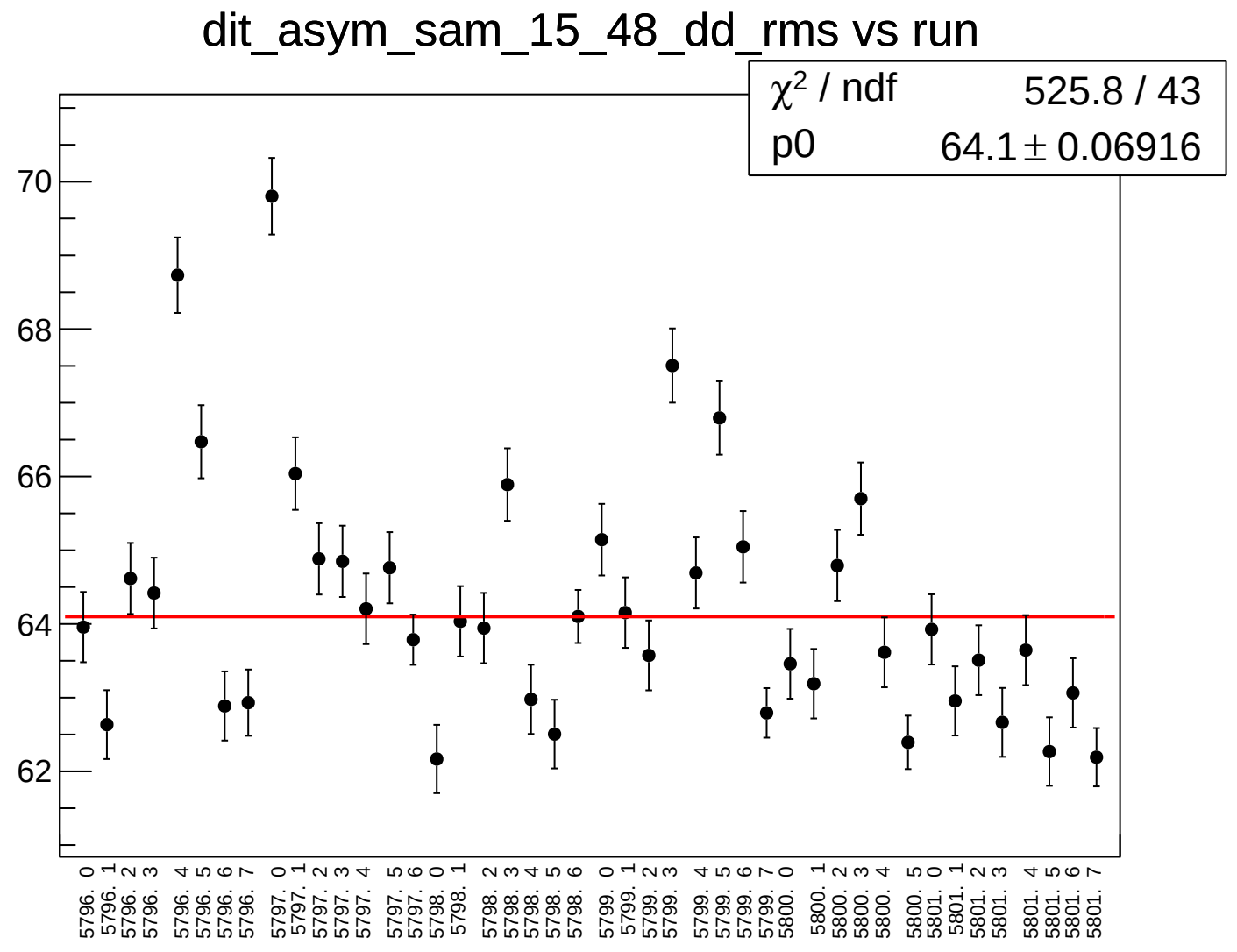

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

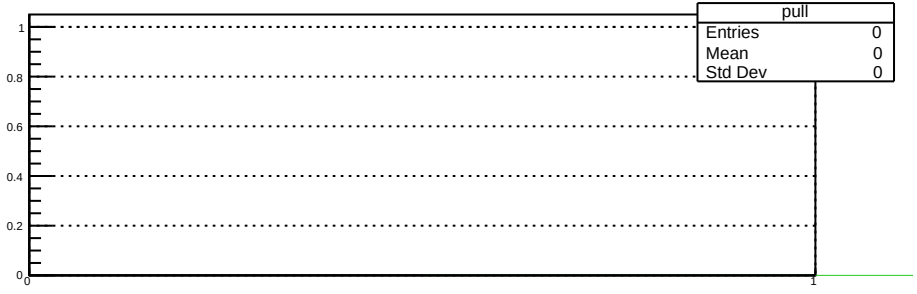

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

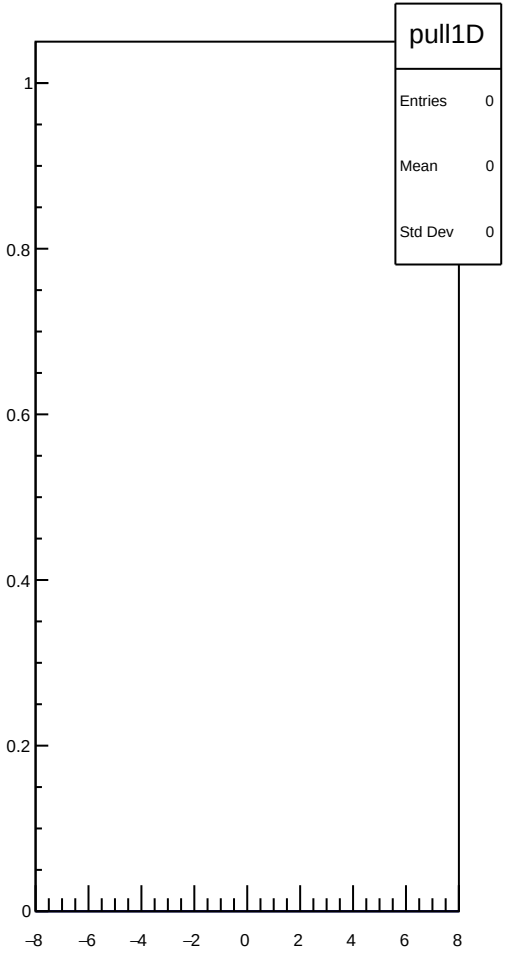

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

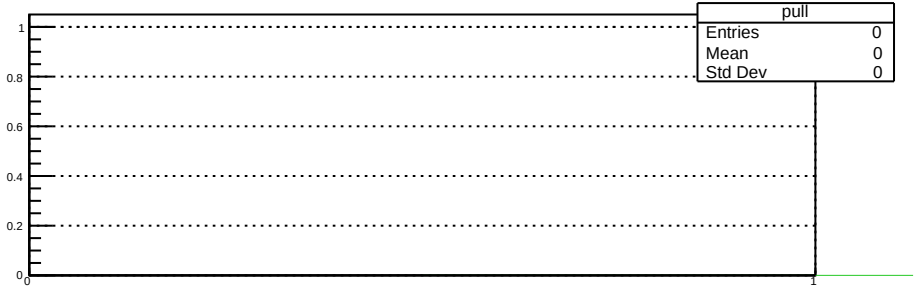

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 60.21 / 43
p0 −260.8 ± 97.8
2000
1000
0
−1000
−2000
−3000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 14.21
Std Dev 19.68
3
2
1
0
−1
−2
−3

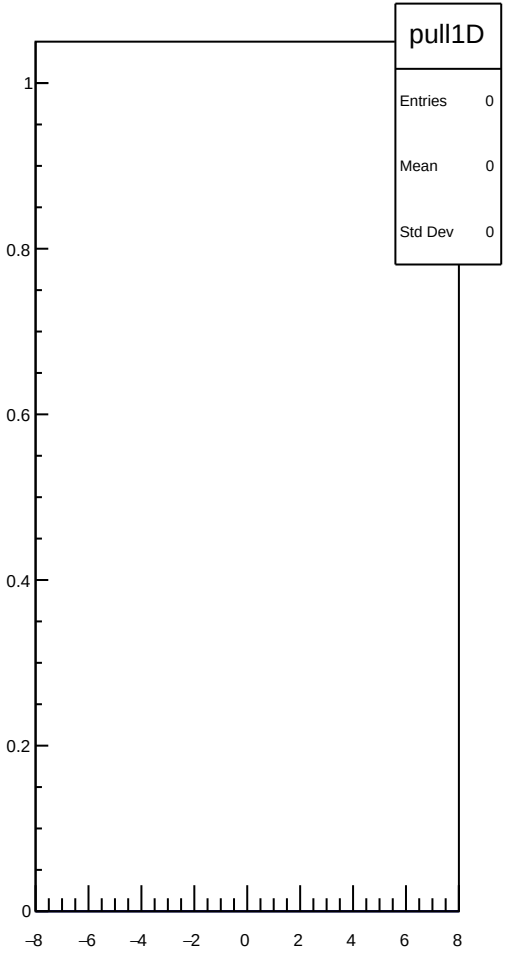

pull1D
Entries 44
Mean −0.01421
Std Dev 1.17
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

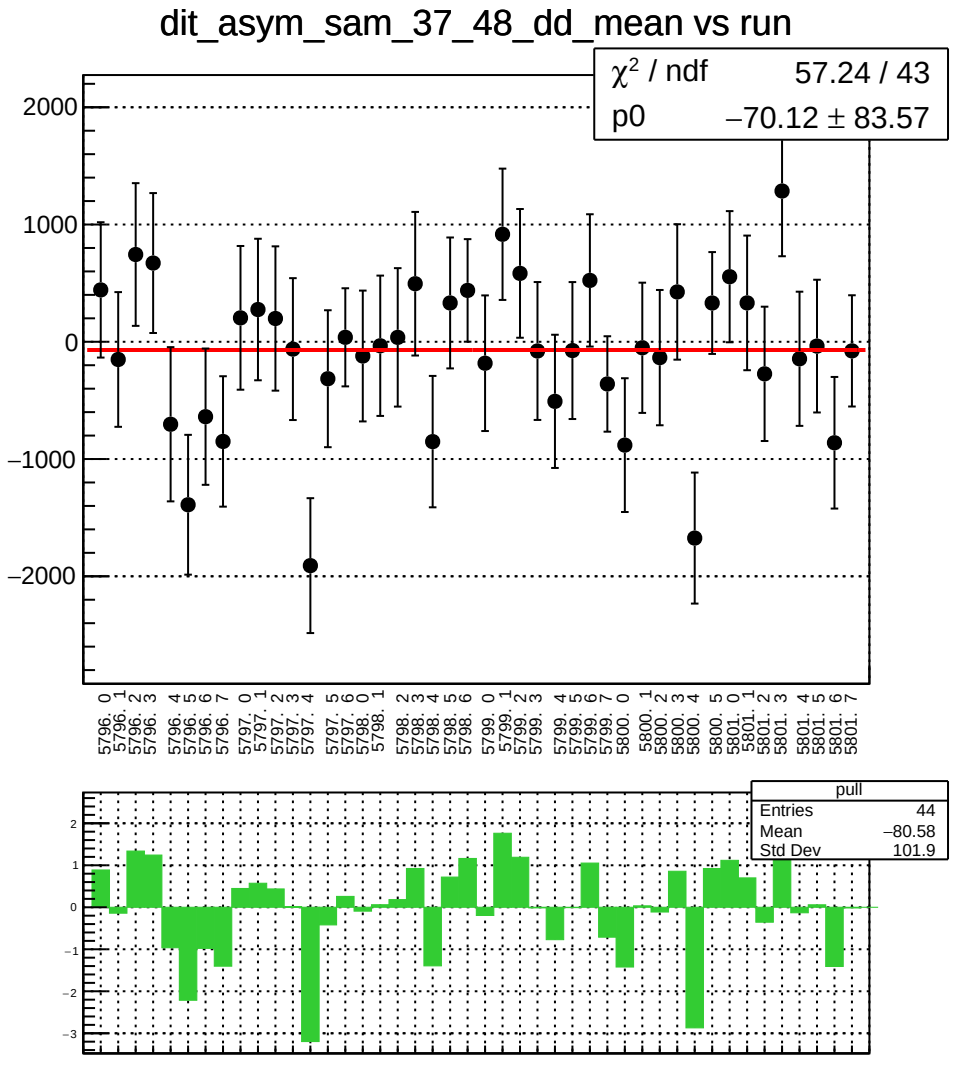

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 525.8 / 43
p0 64.1 ± 0.06916
70
68
66
64
62
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

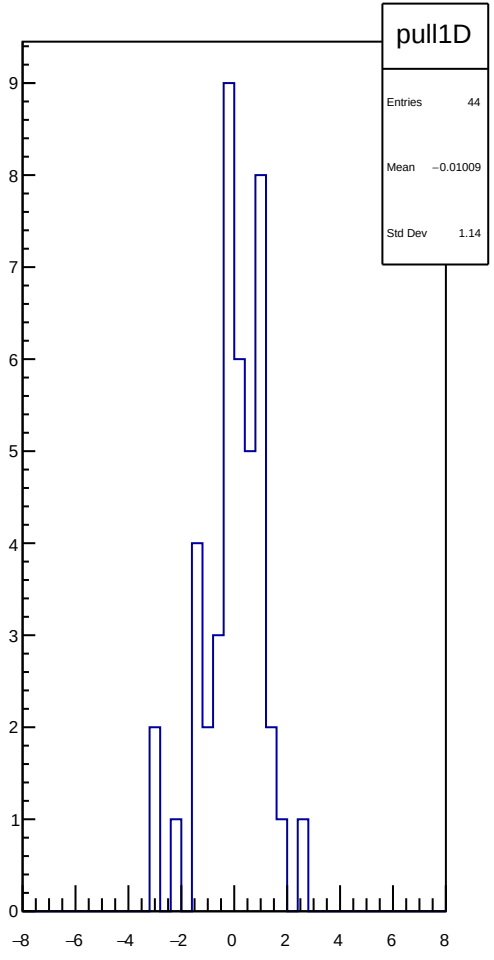

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

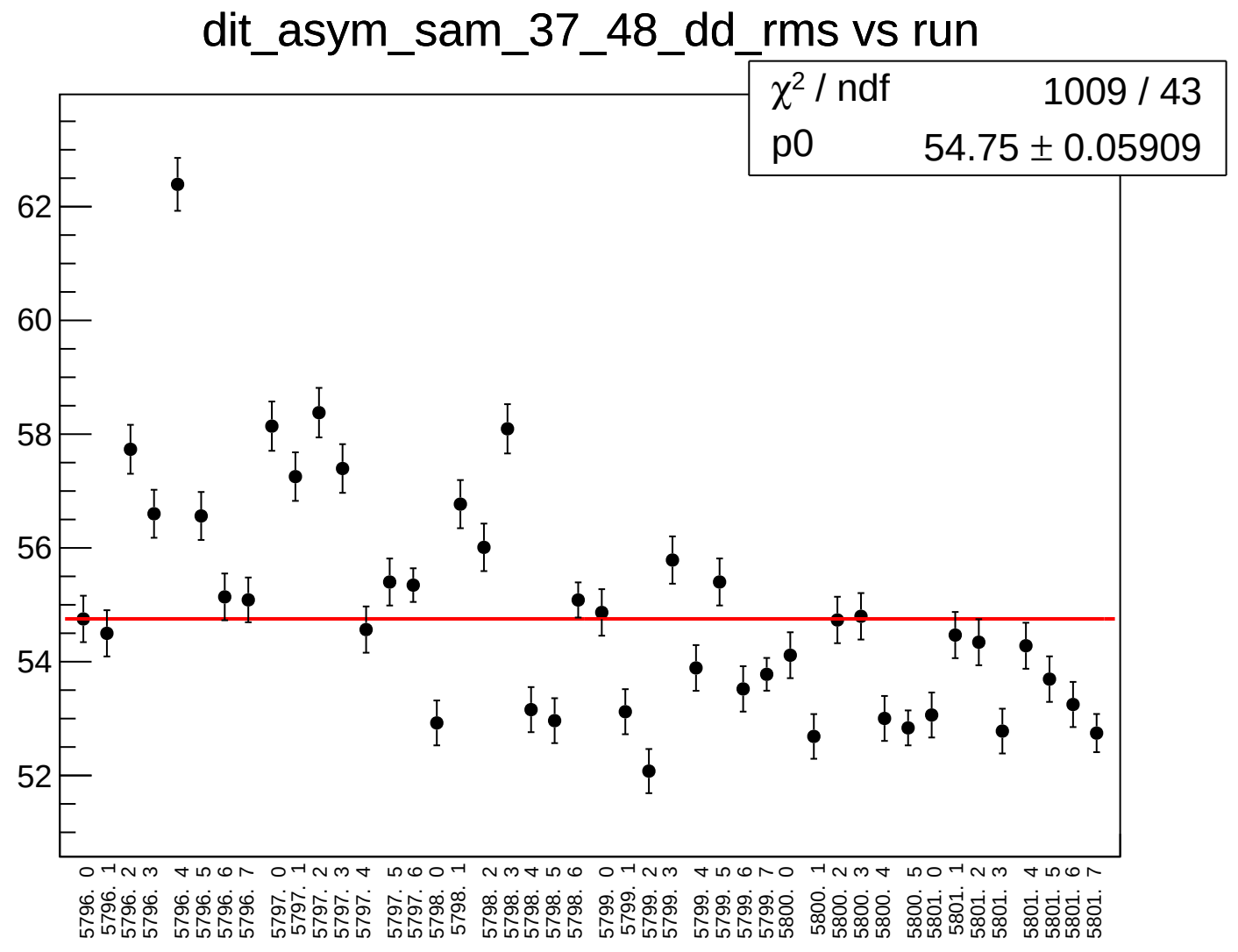

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

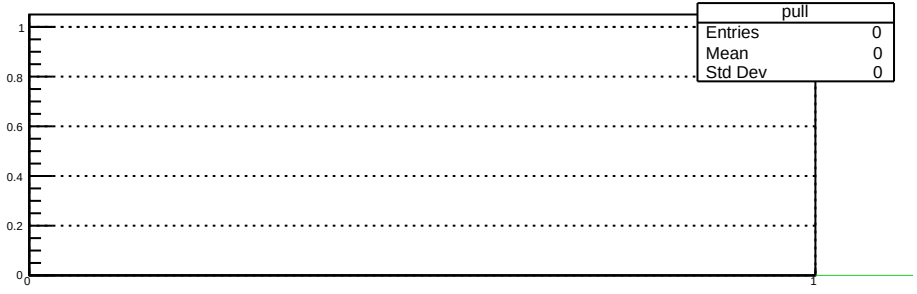

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

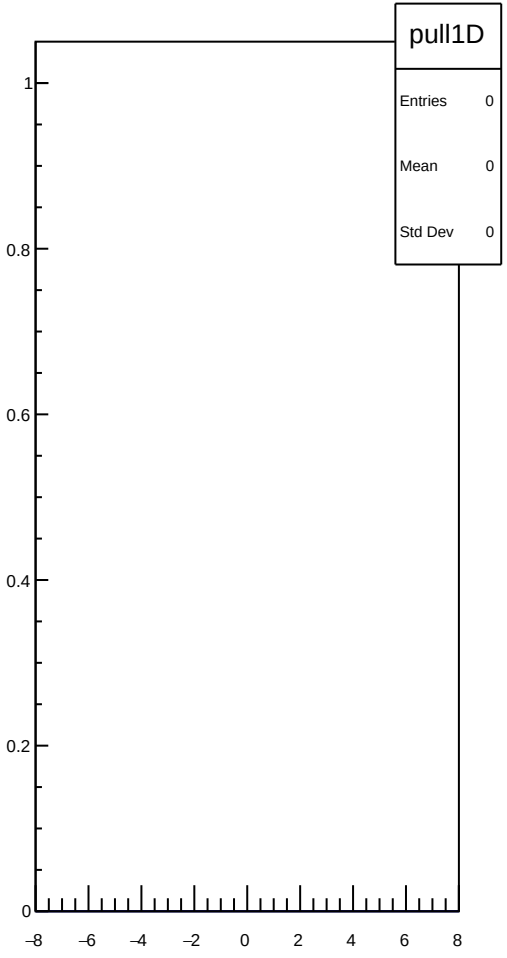

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

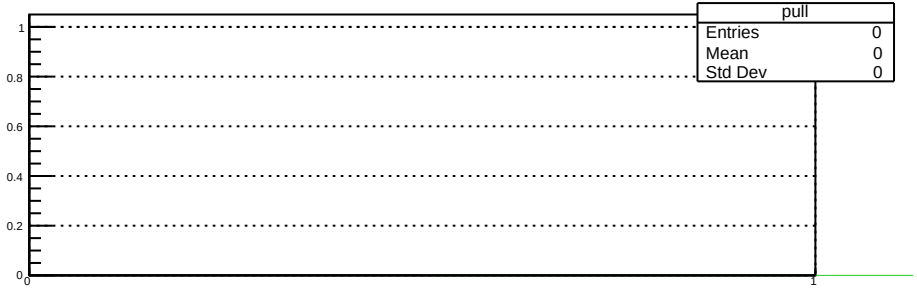

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 57.24 / 43
p0 −70.12 ± 83.57
2000
1000
0
−1000
−2000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −80.58
Std Dev 101.9
2
1
0
−1
−2
−3

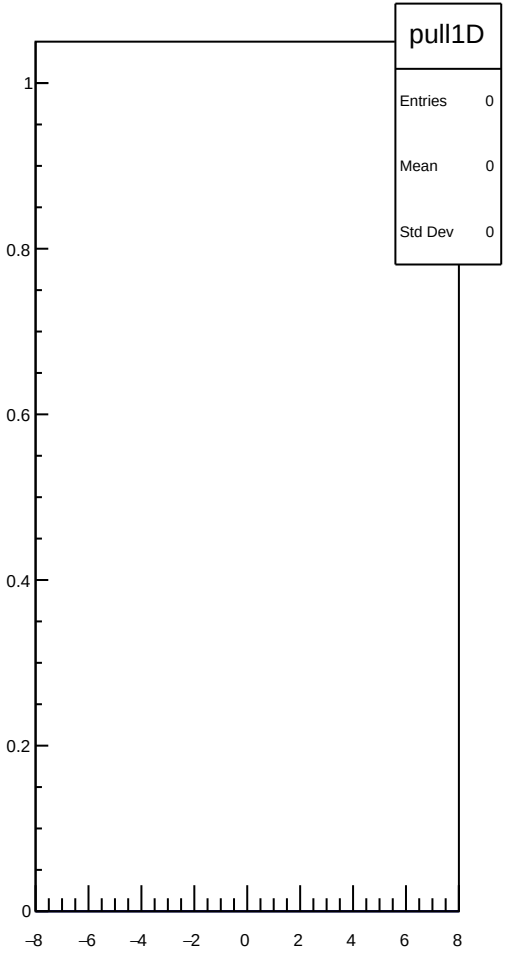

pull1D
Entries 44
Mean −0.01009
Std Dev 1.14
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

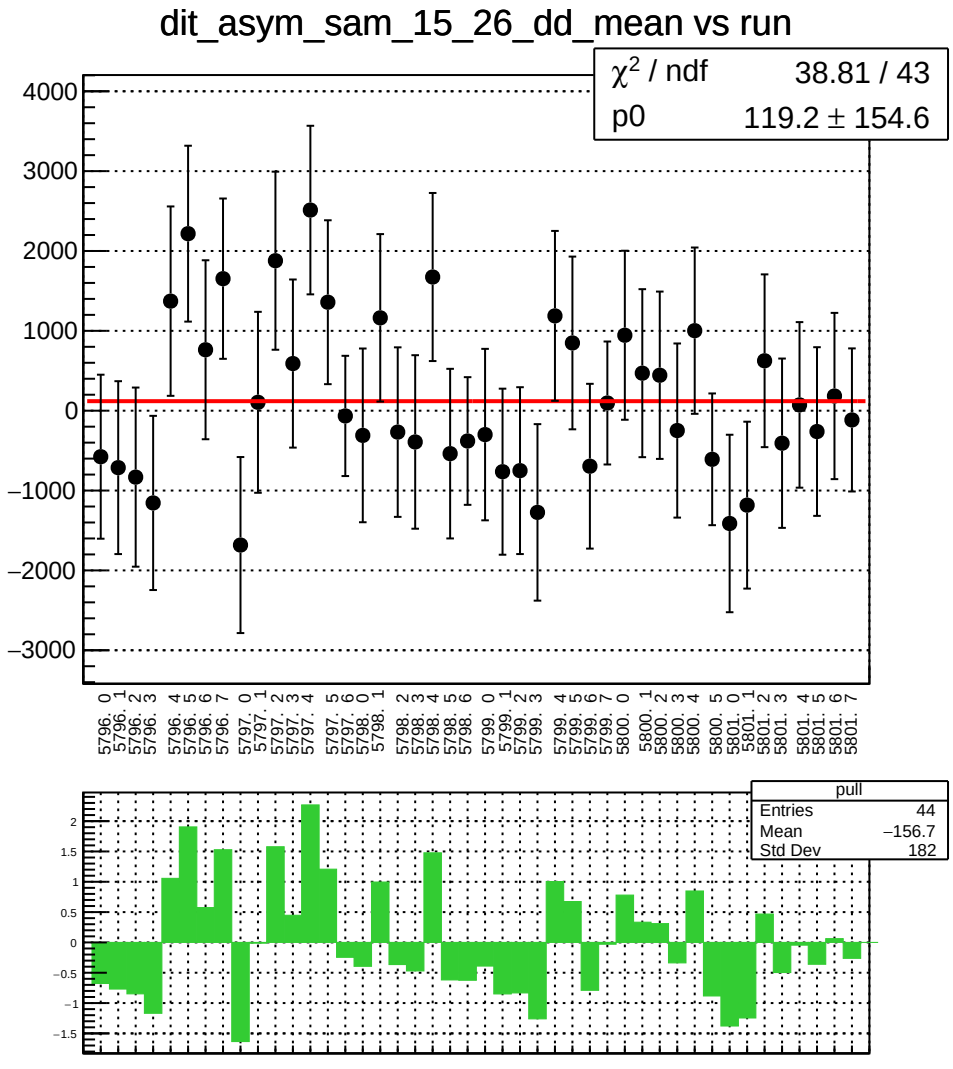

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1009 / 43
p0 54.75 ± 0.05909
62
60
58
56
54
52
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

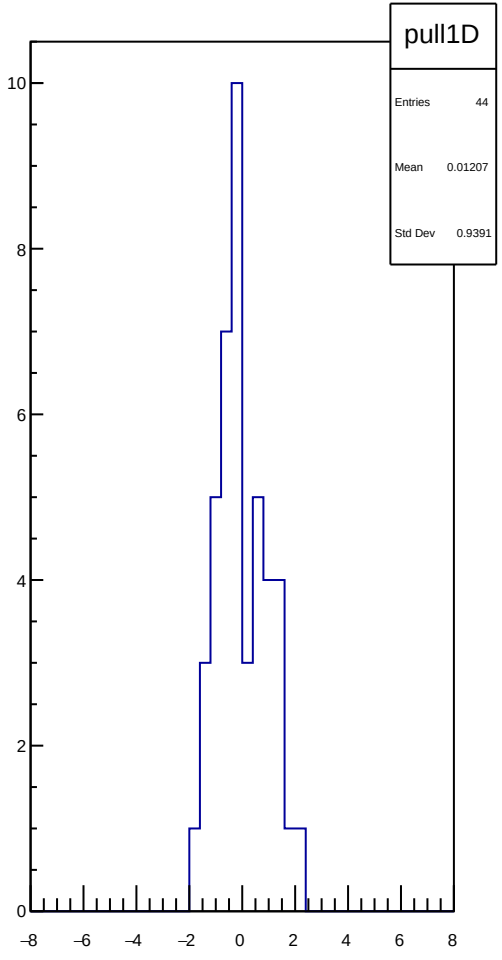

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

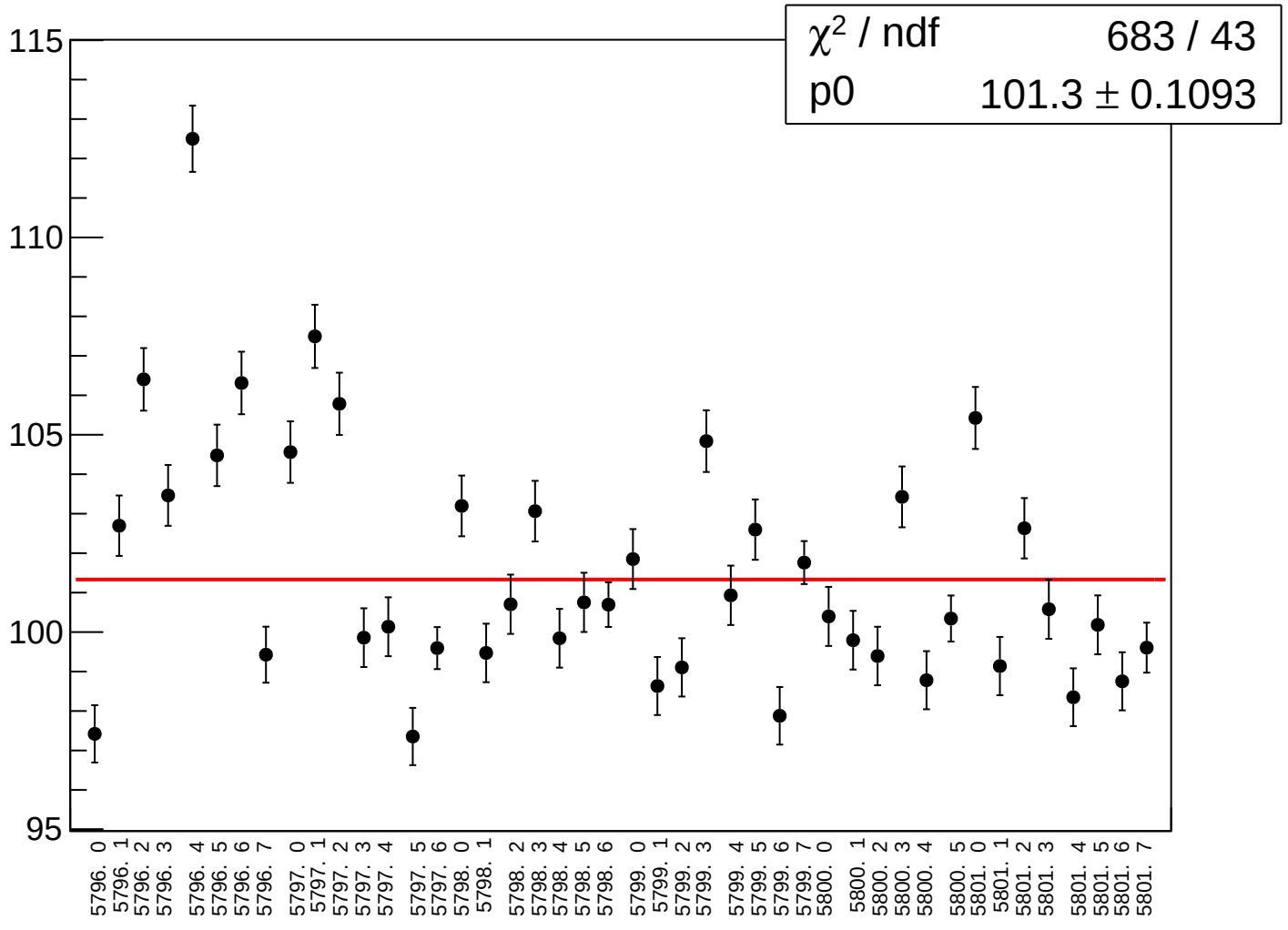

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

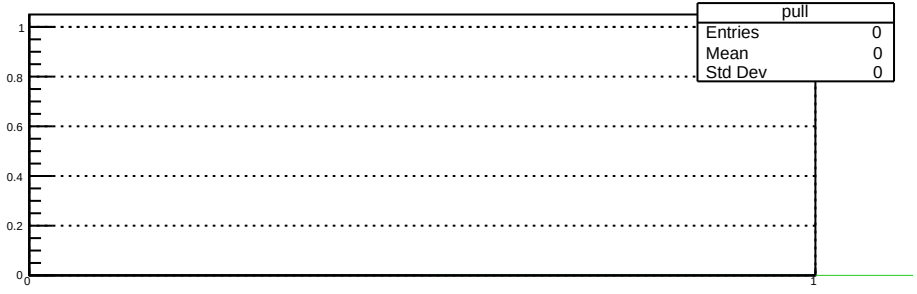

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

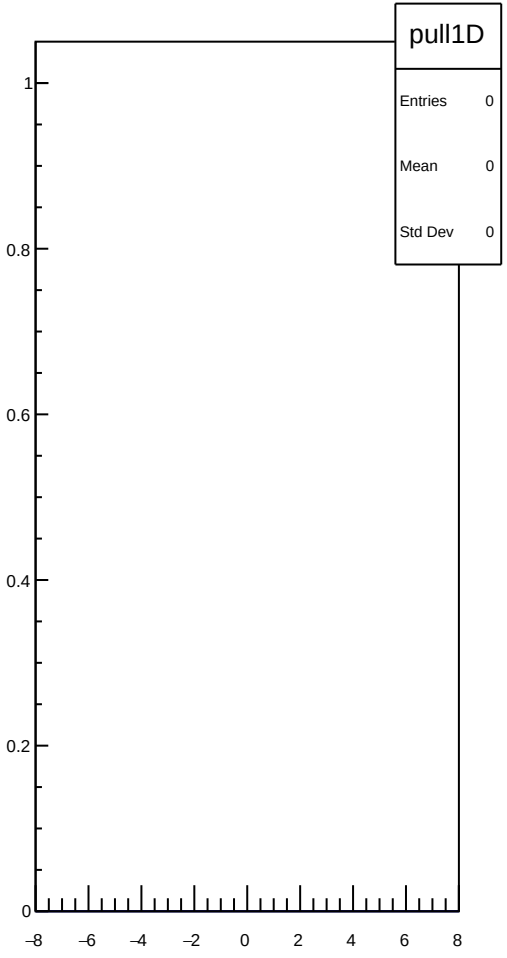

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

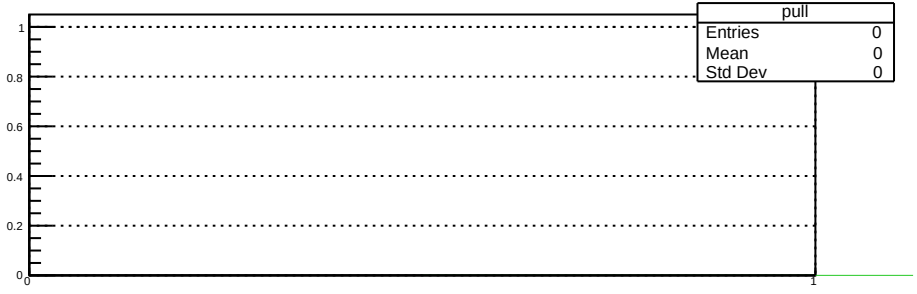

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 38.81 / 43
p0 119.2 ± 154.6
4000
3000
2000
1000
0
−1000
−2000
−3000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −156.7
Std Dev 182
2
1.5
1
0.5
0
−0.5
−1
−1.5

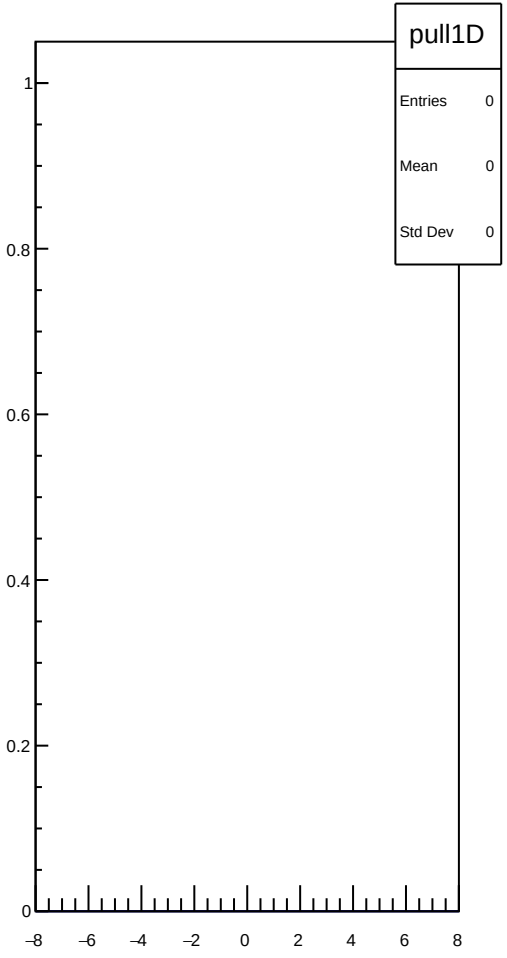

pull1D
Entries 44
Mean 0.01207
Std Dev 0.9391
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

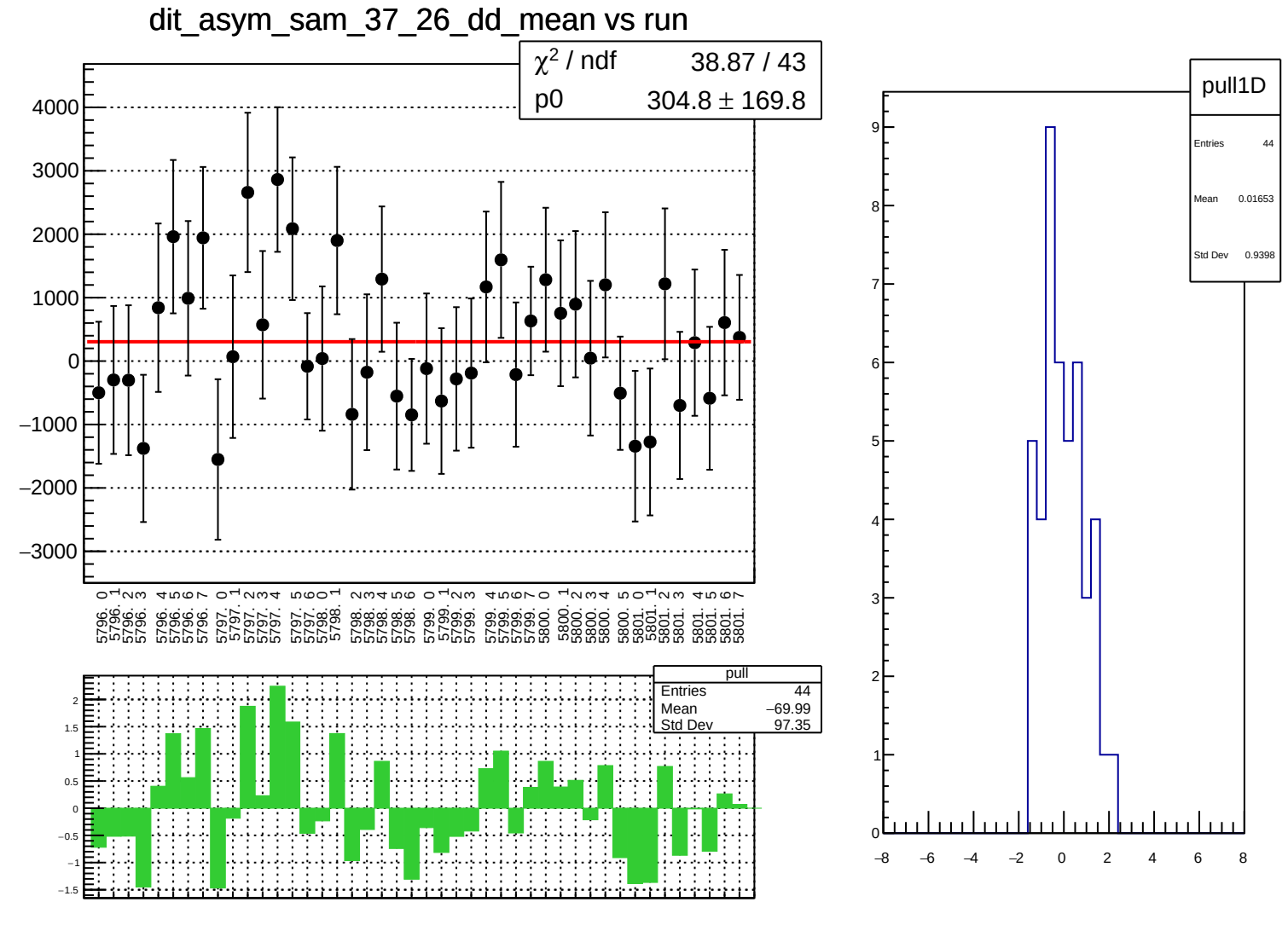

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 683 / 43
p0 101.3 ± 0.1093
115
110
105
100
95
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

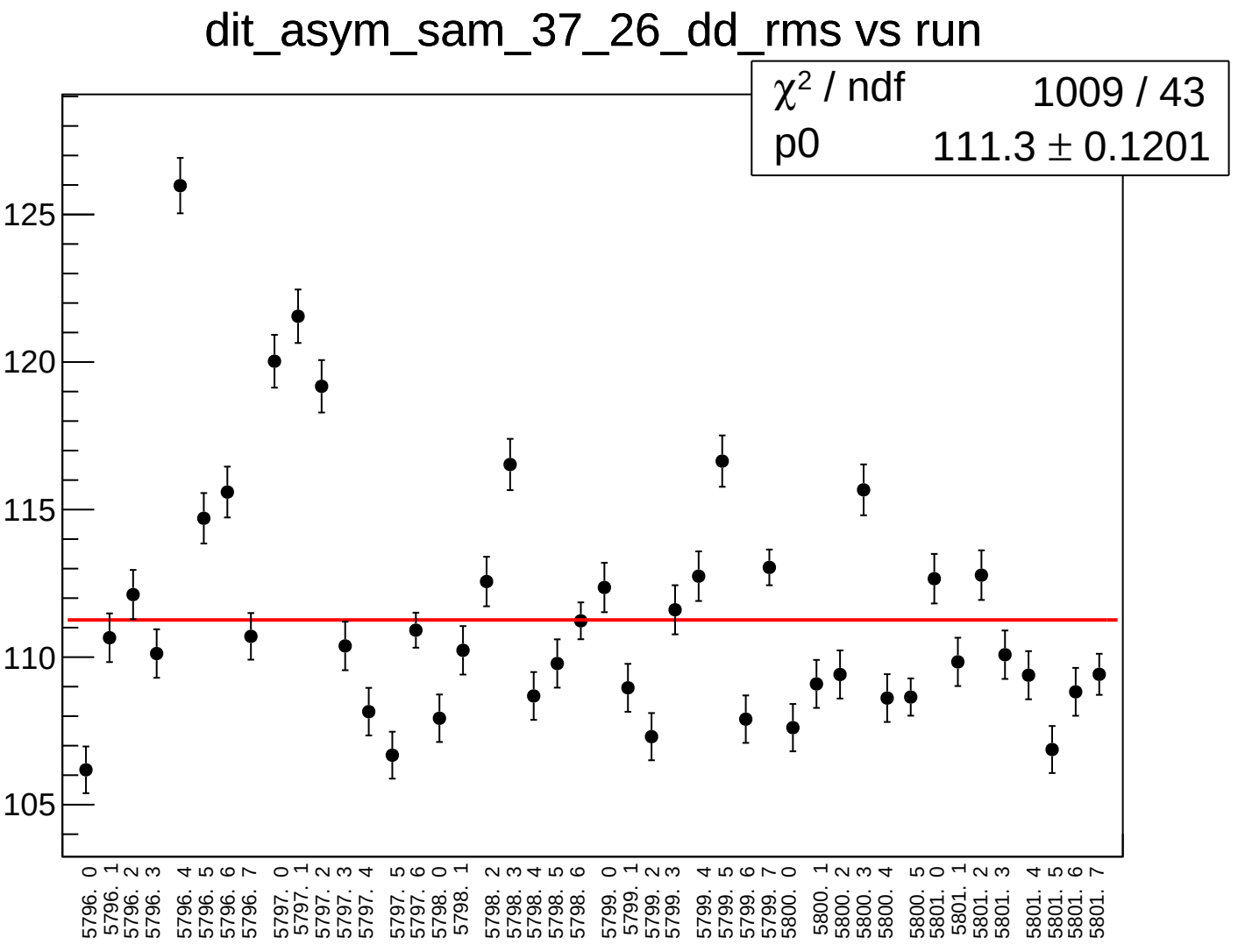

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

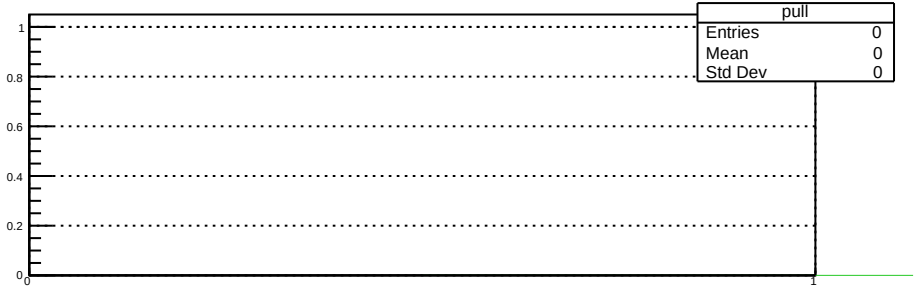

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

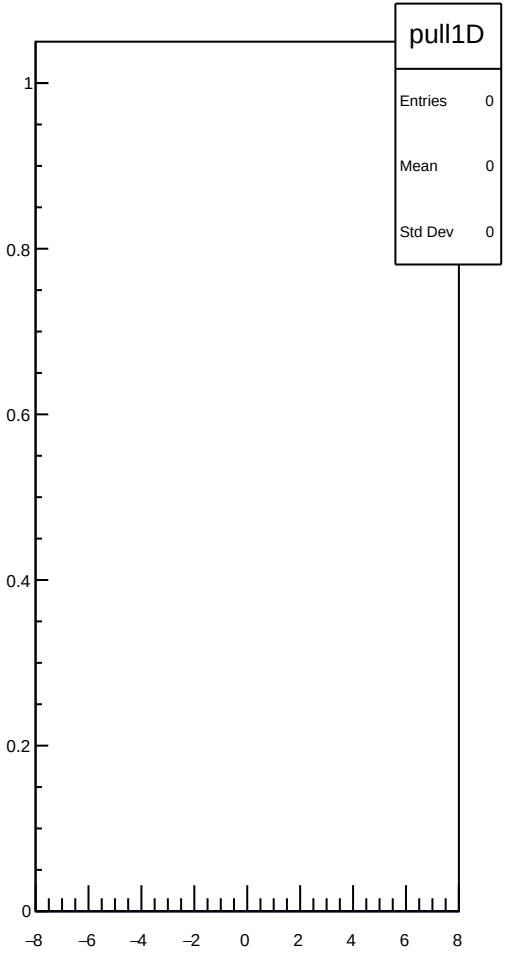

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

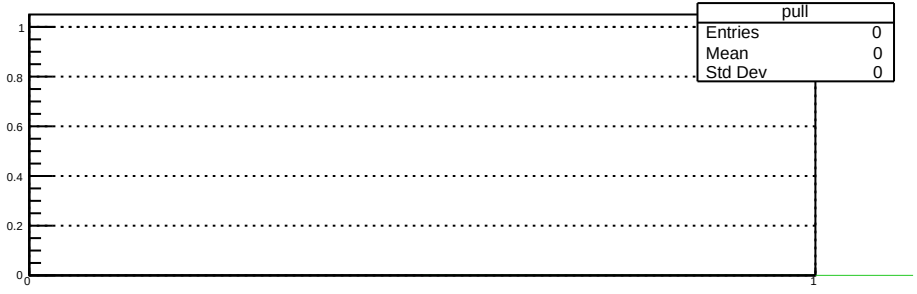

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

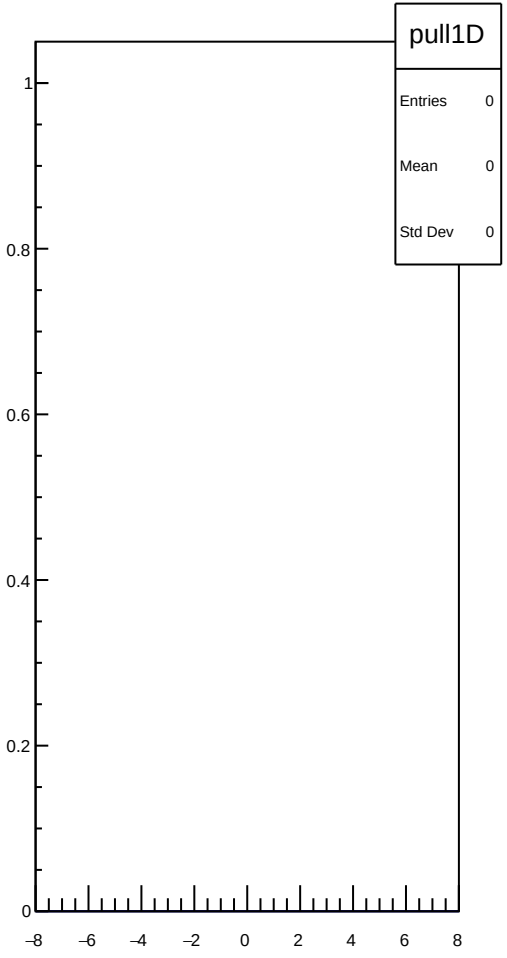

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 38.87 / 43
p0 304.8 ± 169.8
pull
Entries 44
Mean −69.99
Std Dev 97.35
pull1D
Entries 44
Mean 0.01653
Std Dev 0.9398

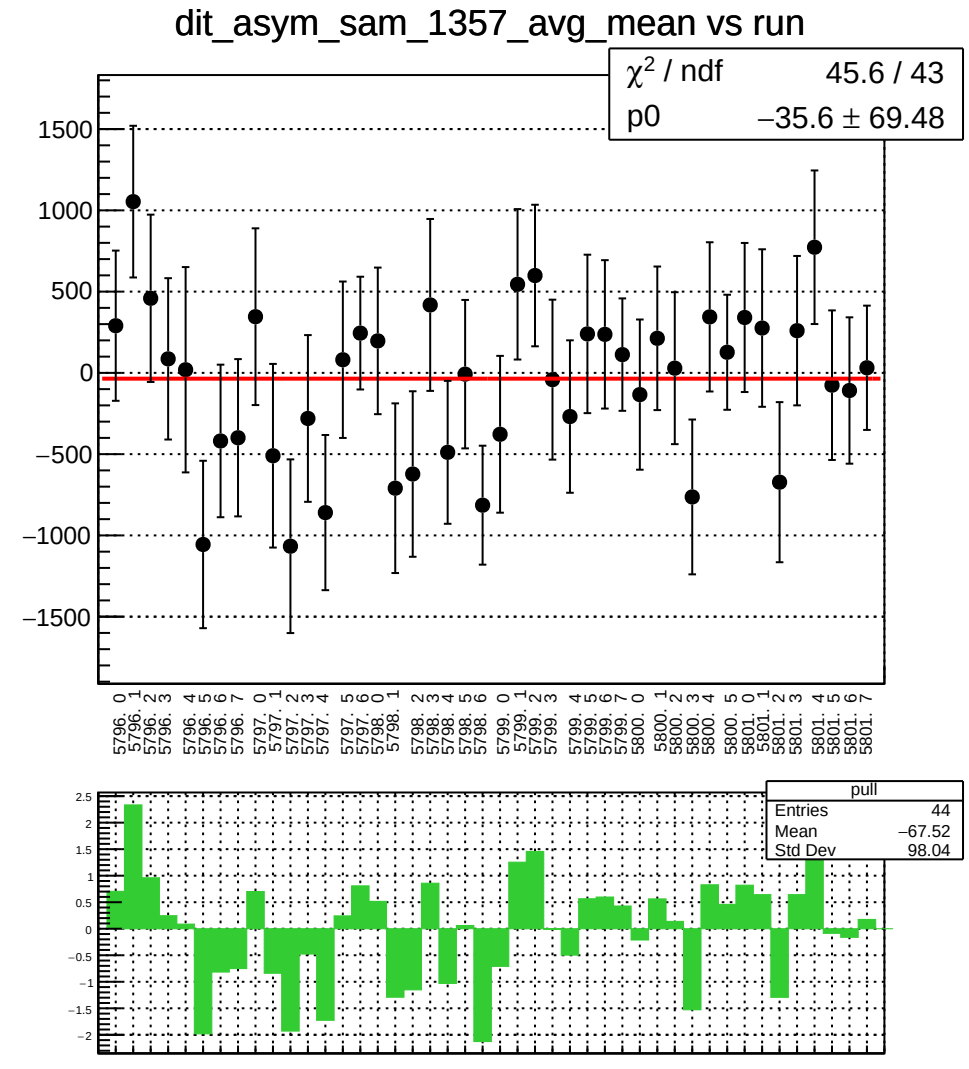

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1009 / 43
p0 111.3 ± 0.1201
125
120
115
110
105
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

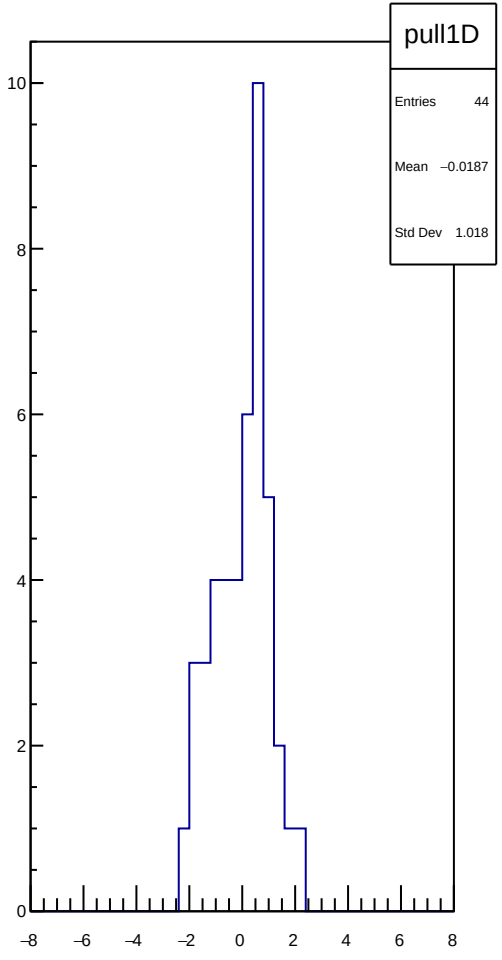

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

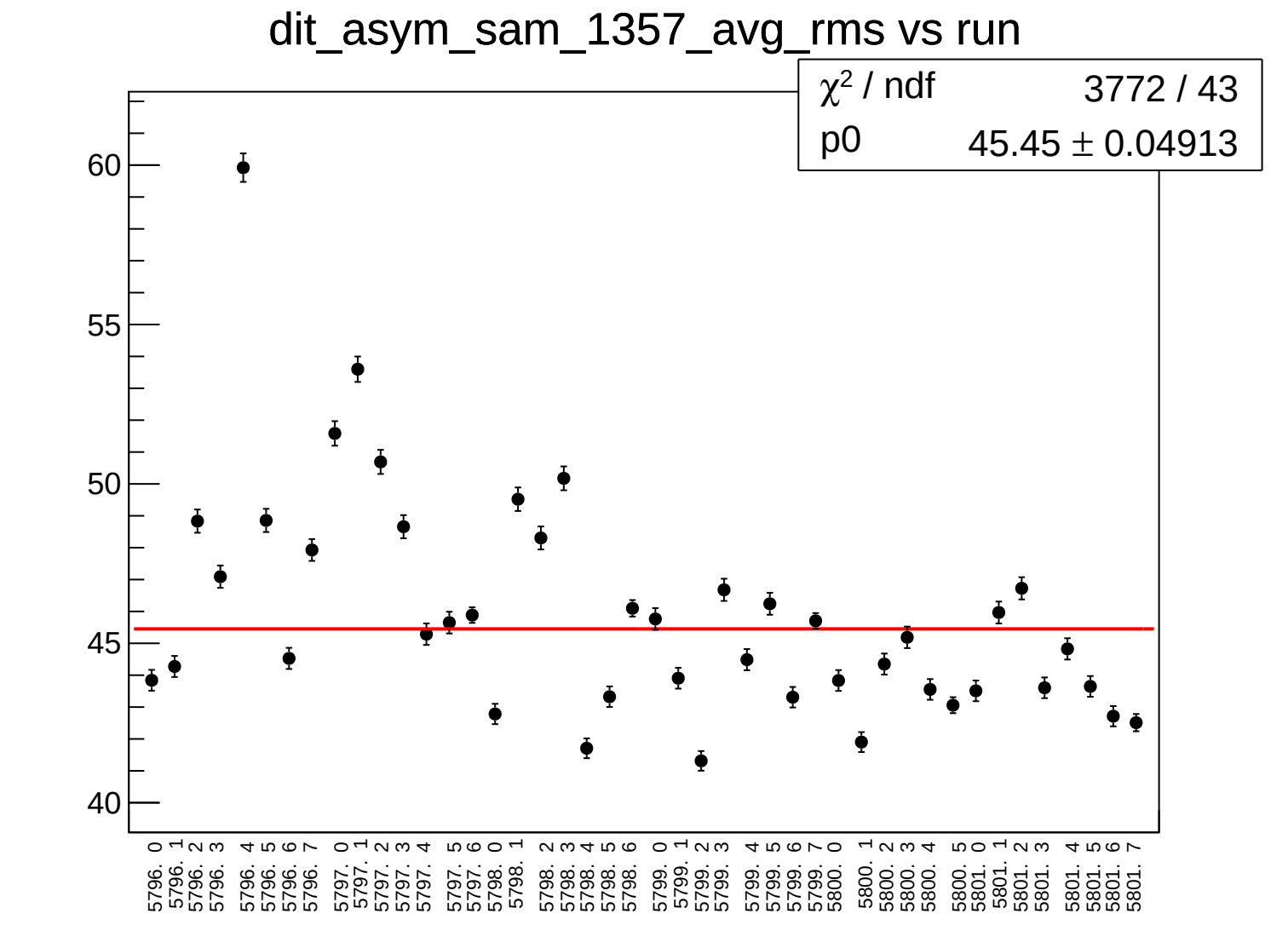

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

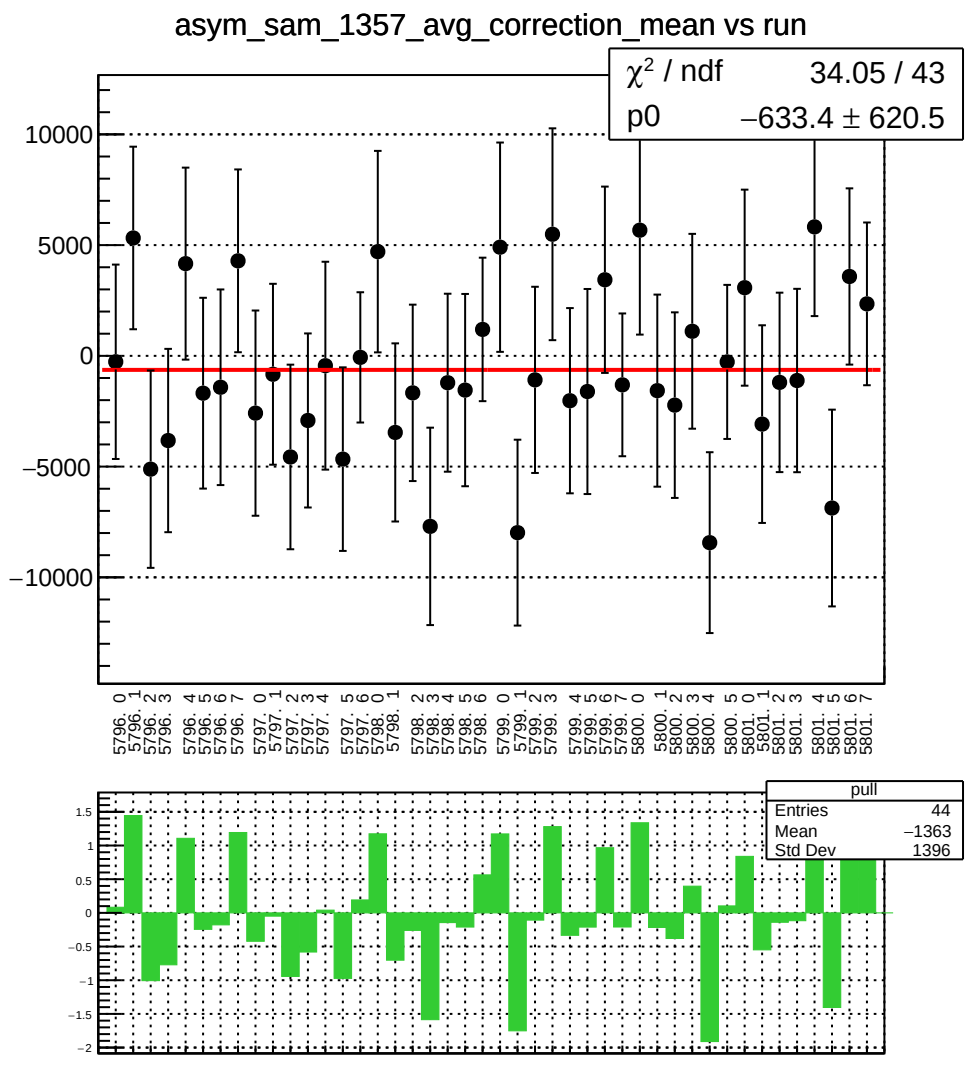

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

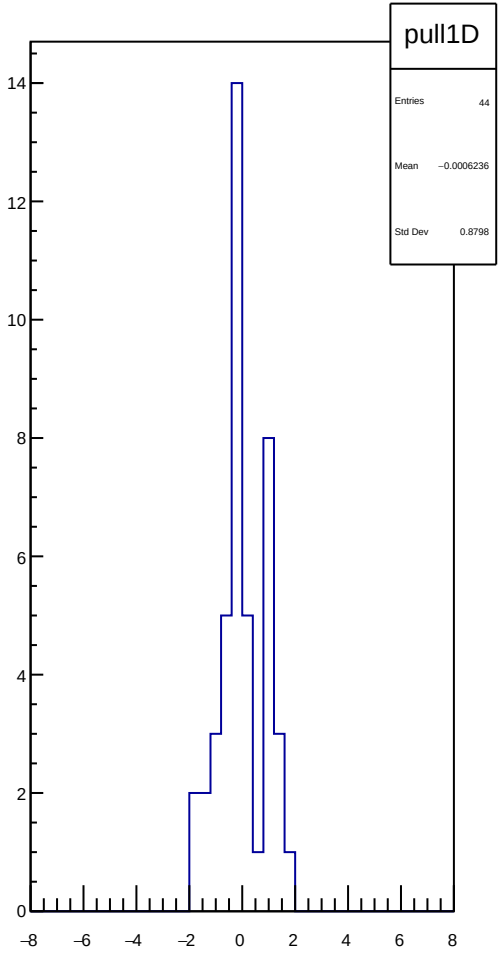

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

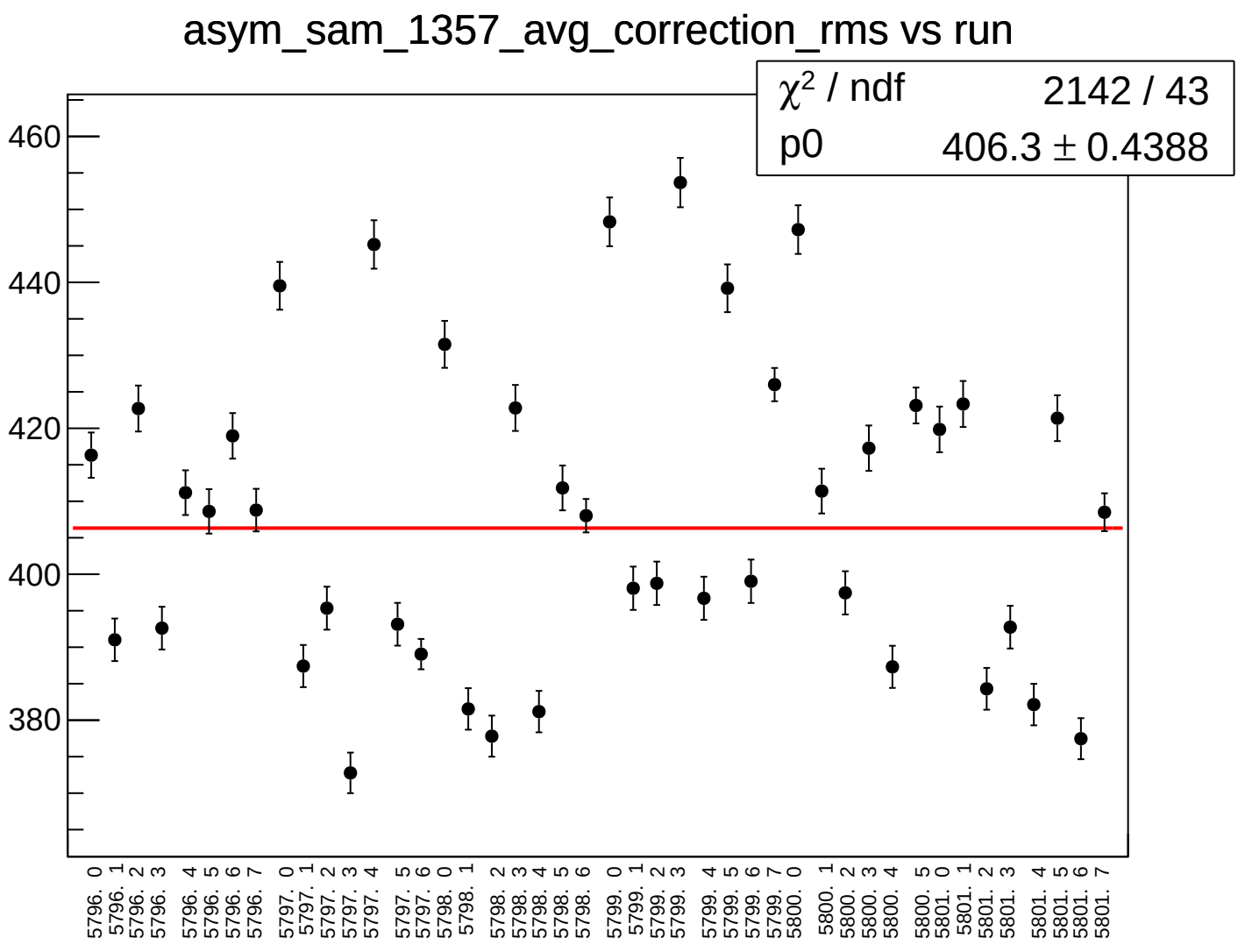

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 45.6 / 43
p0 −35.6 ± 69.48
1500
1000
500
0
−500
−1000
−1500
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −67.52
Std Dev 98.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

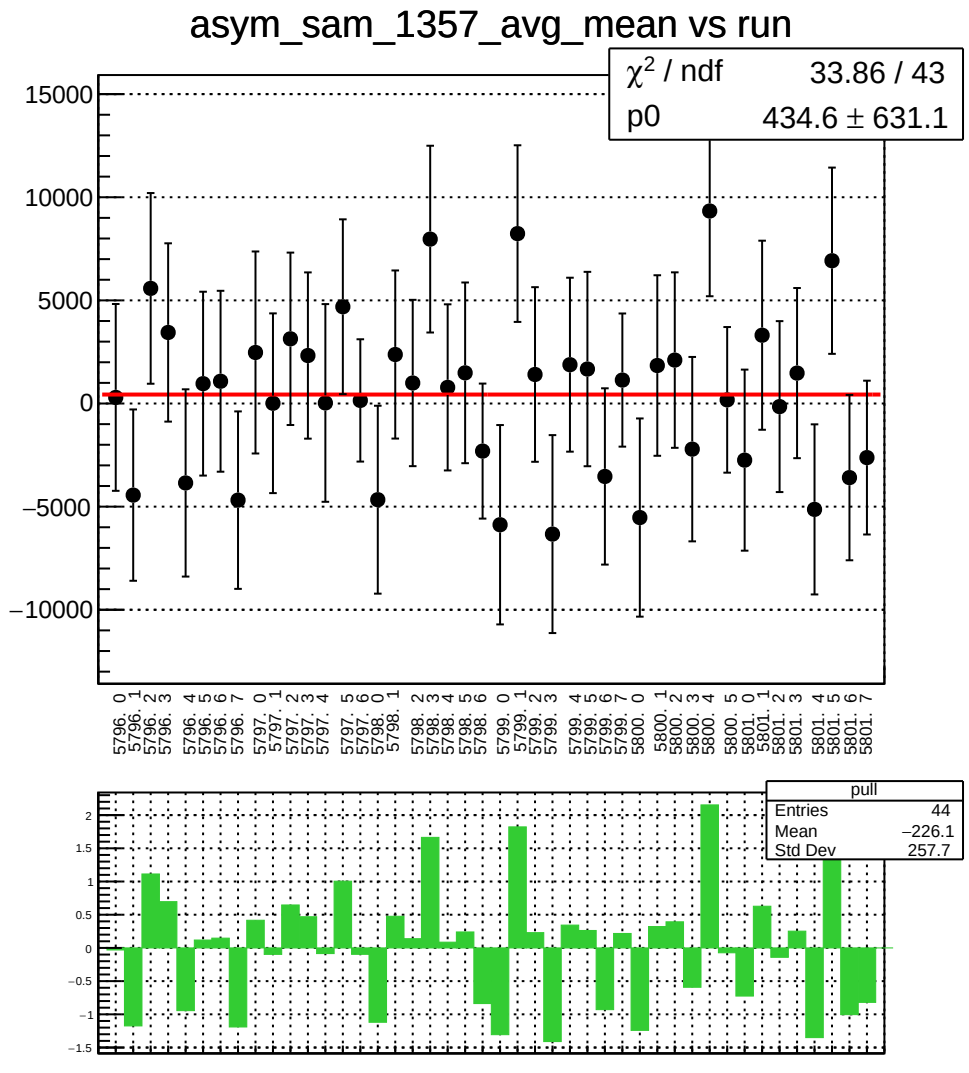

pull1D
Entries 44
Mean −0.0187
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

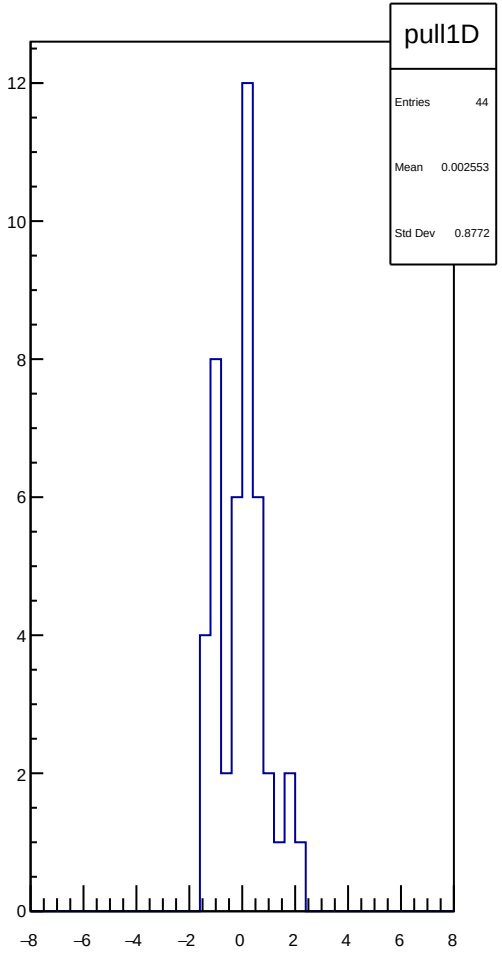

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3772 / 43
p0 45.45 ± 0.04913
60
55
50
45
40
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

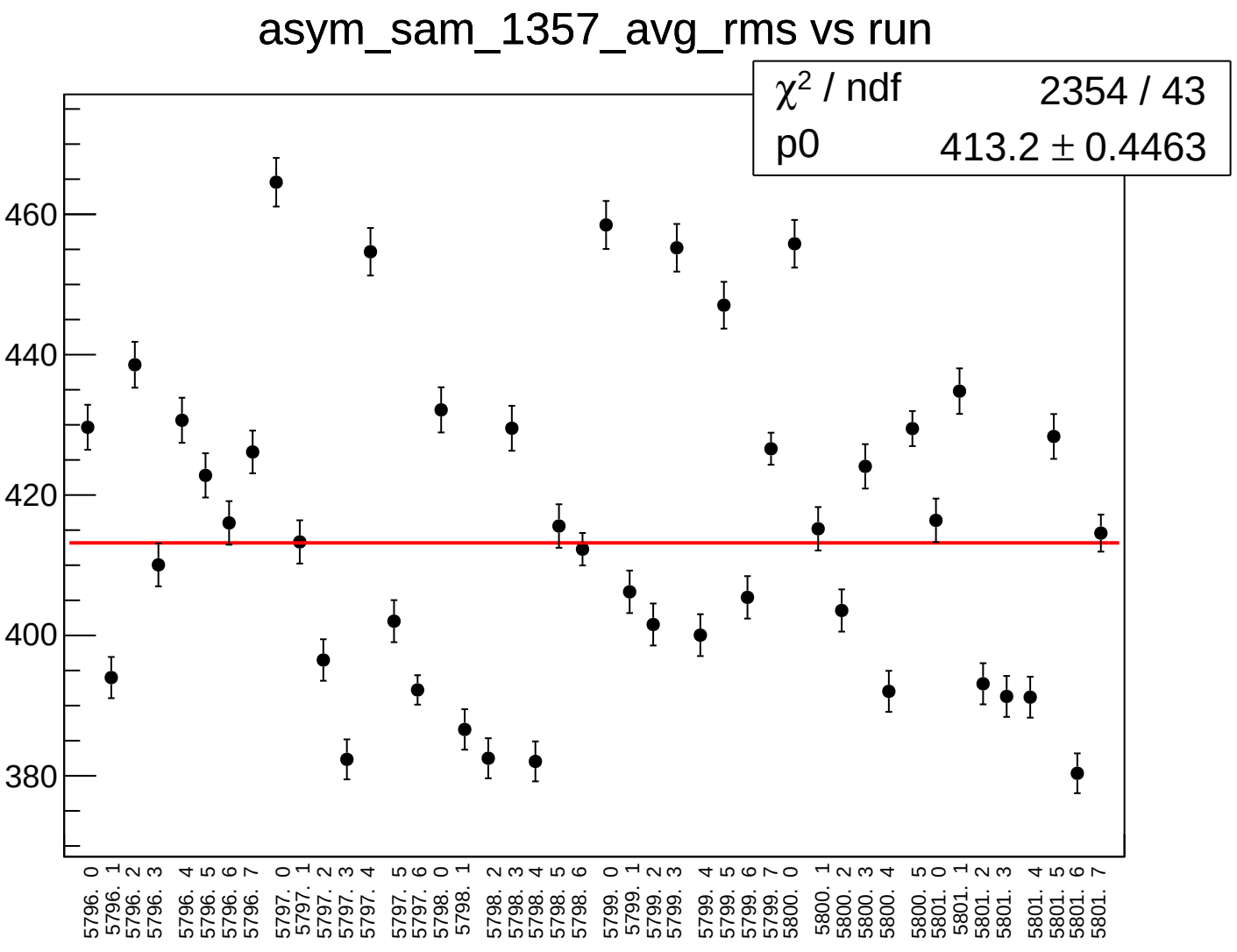

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 34.05 / 43
p0 −633.4 ± 620.5
10000
5000
0
−5000
−10000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −1363
Std Dev 1396
1.5
1
0.5
0
−0.5
−1
−1.5
−2

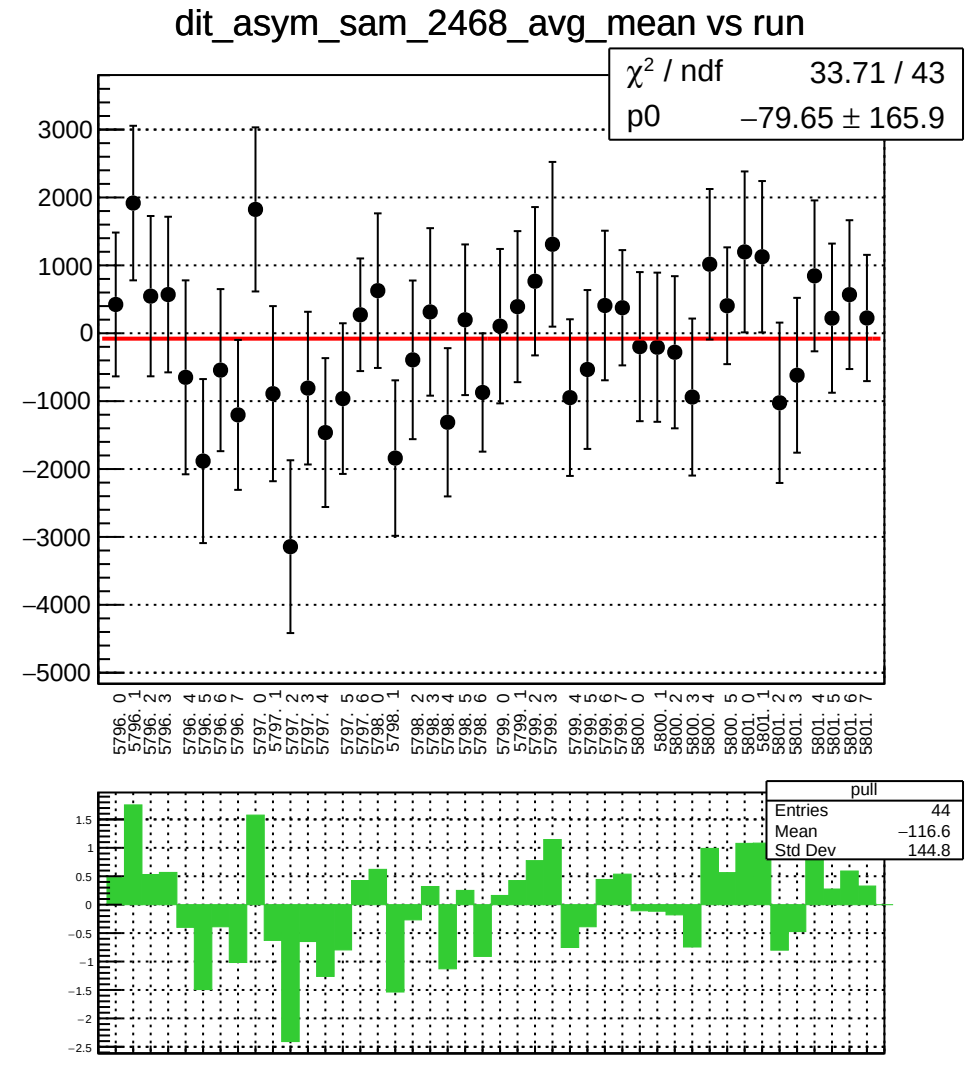

pull1D
Entries 44
Mean −0.0006236
Std Dev 0.8798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

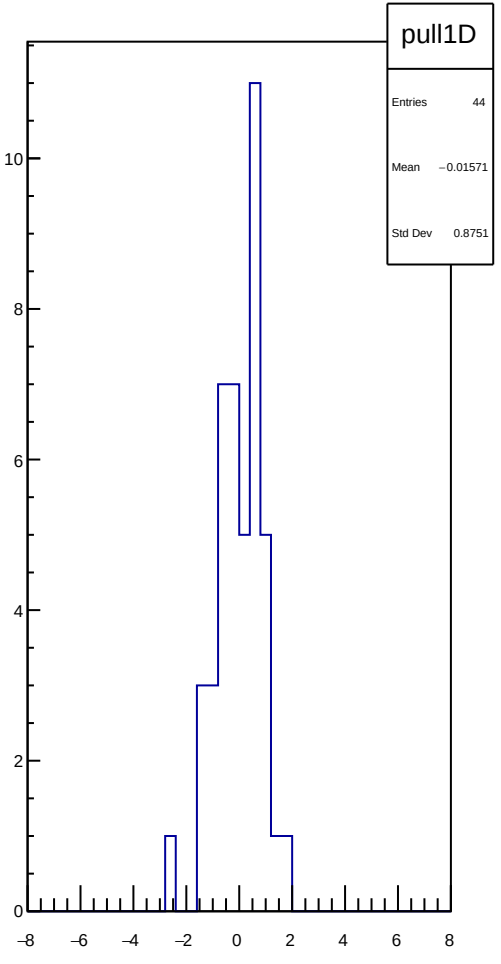

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2142 / 43
p0 406.3 ± 0.4388
460
440
420
400
380
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

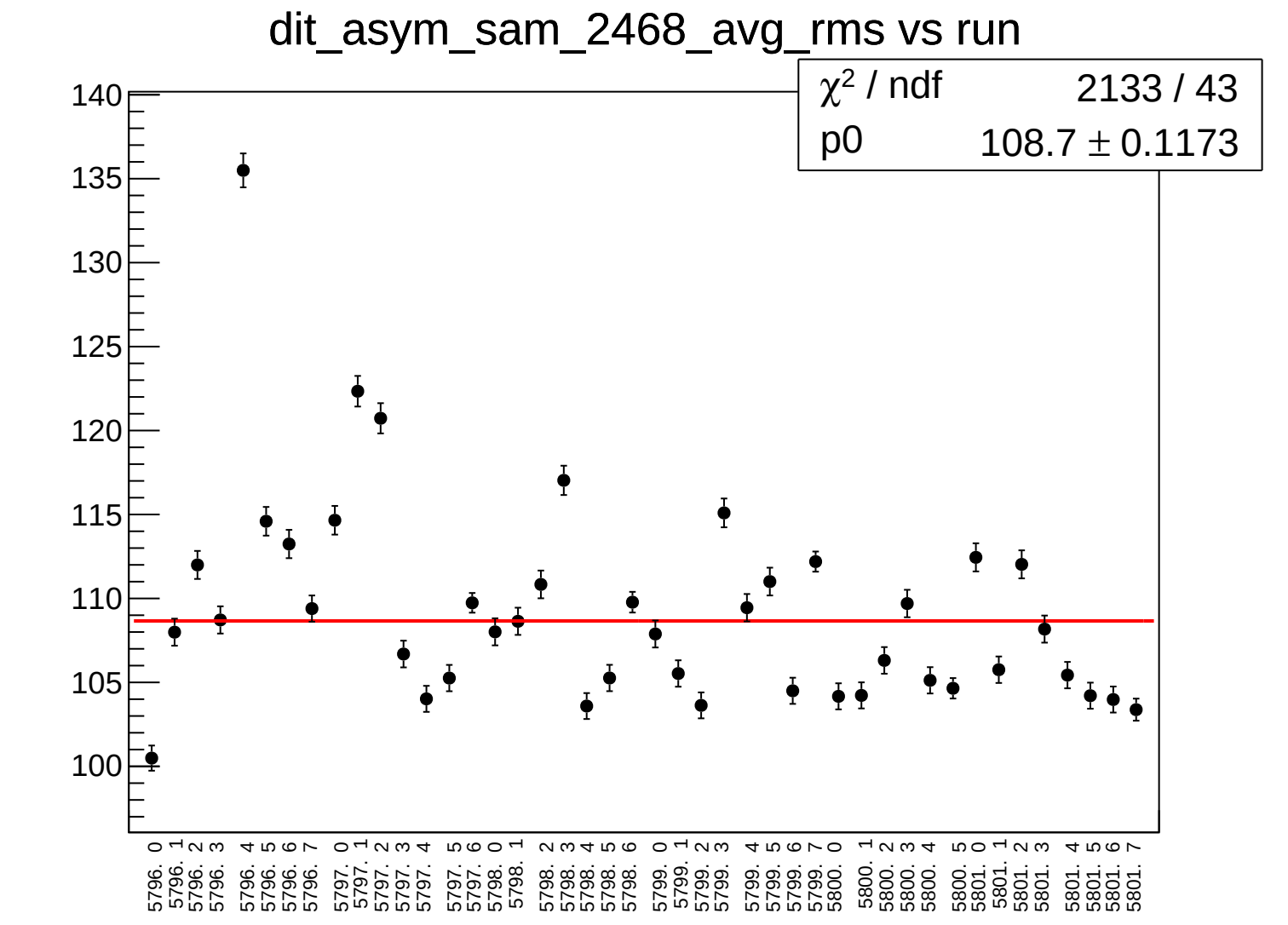

asym_sam_1357_avg_mean vs run
χ² / ndf 33.86 / 43
p0 434.6 ± 631.1
15000
10000
5000
0
−5000
−10000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −226.1
Std Dev 257.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

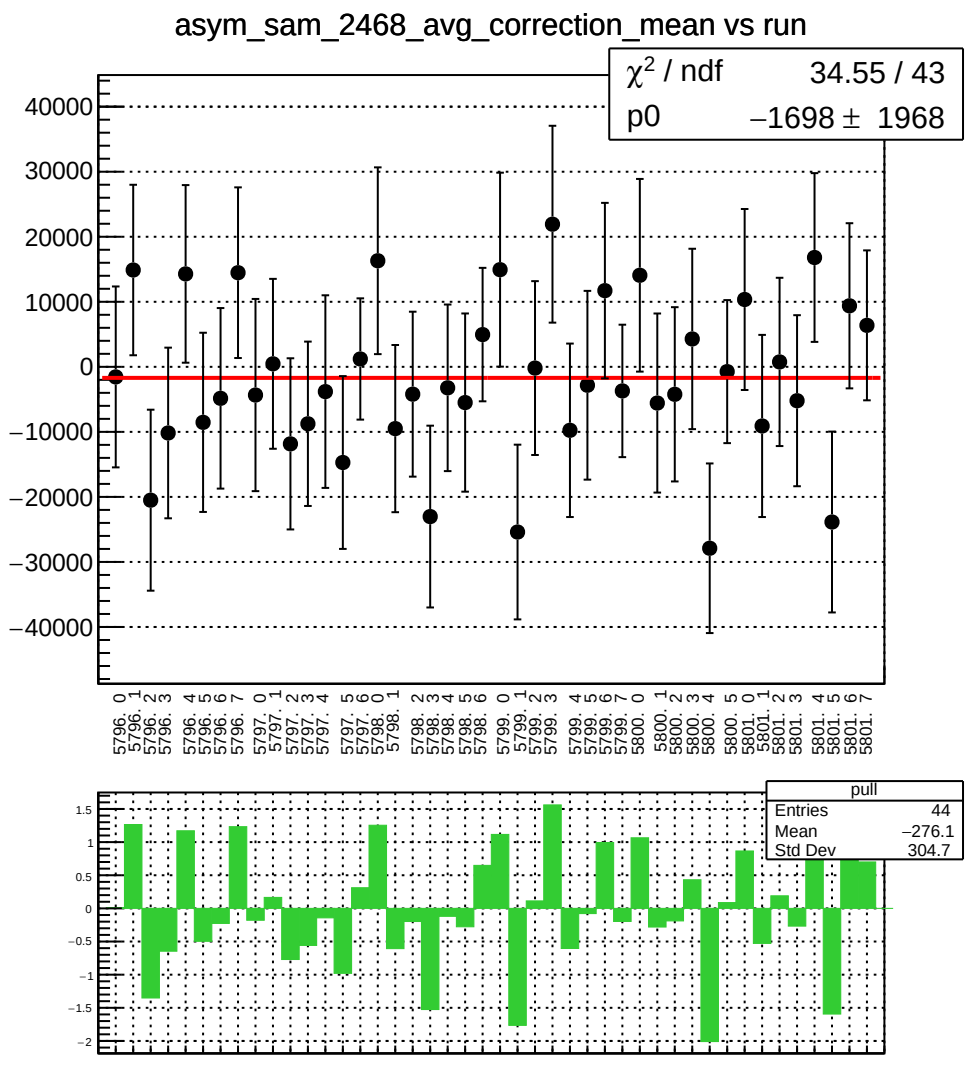

pull1D
Entries 44
Mean 0.002553
Std Dev 0.8772
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

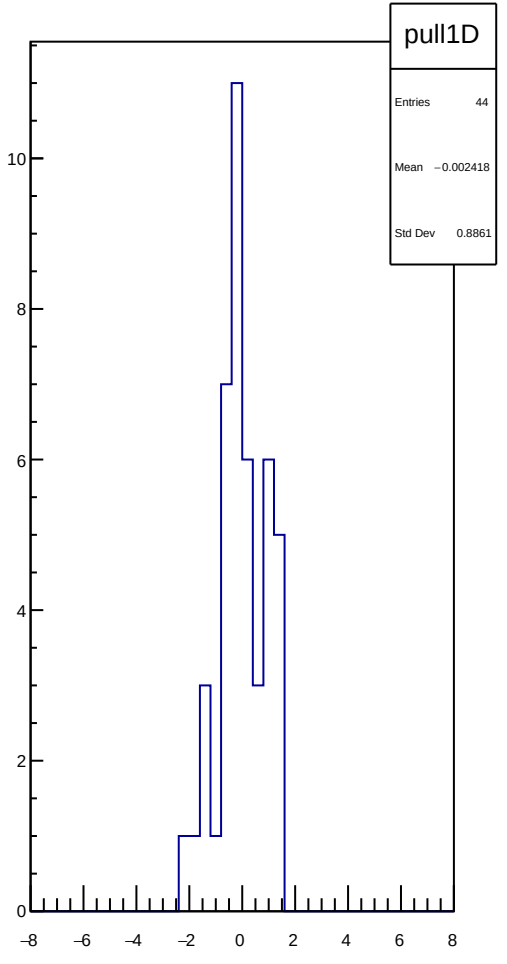

asym_sam_1357_avg_rms vs run
χ² / ndf 2354 / 43
p0 413.2 ± 0.4463
460
440
420
400
380
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

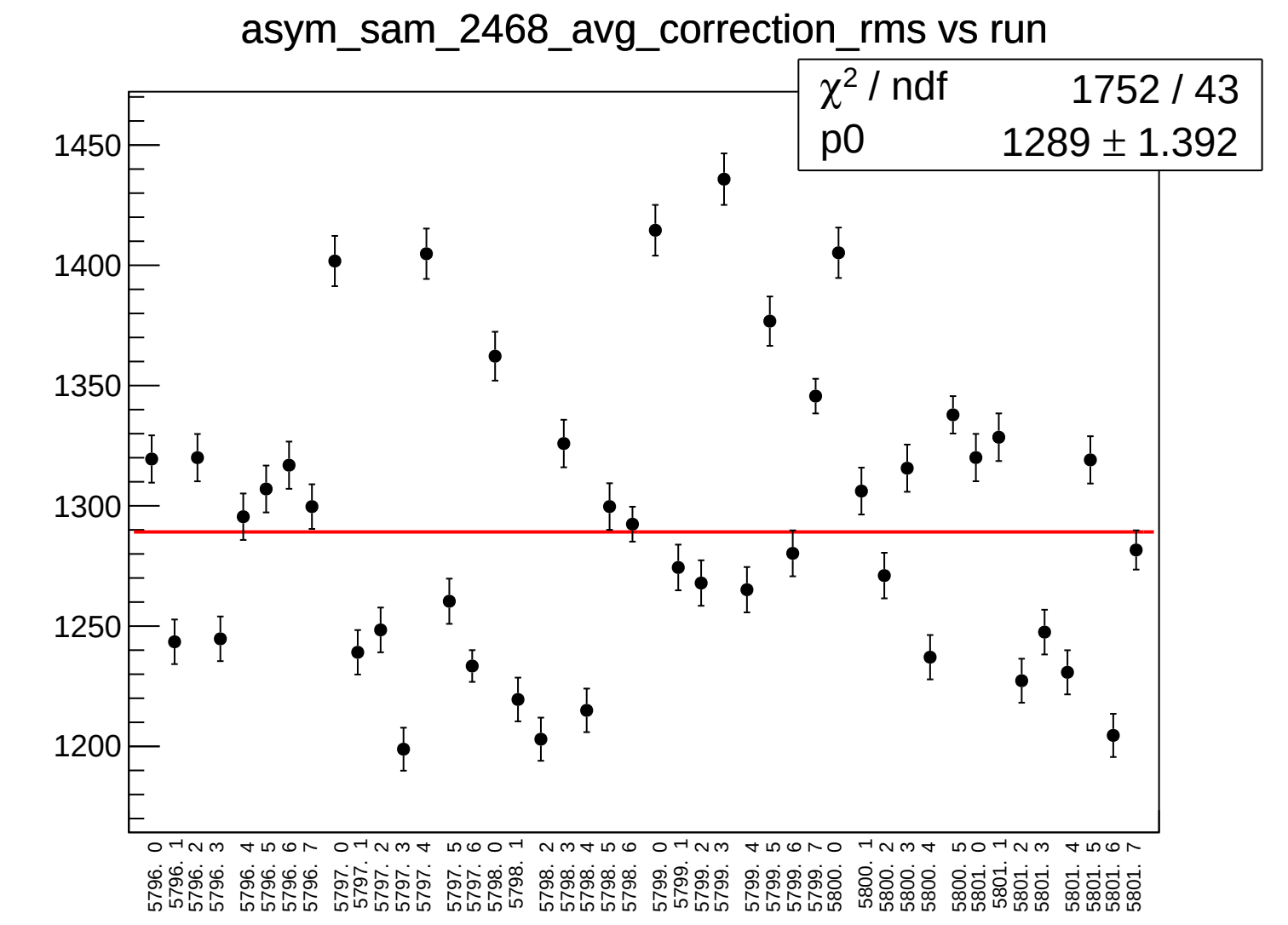

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 33.71 / 43
p0 −79.65 ± 165.9
pull
Entries 44
Mean −116.6
Std Dev 144.8

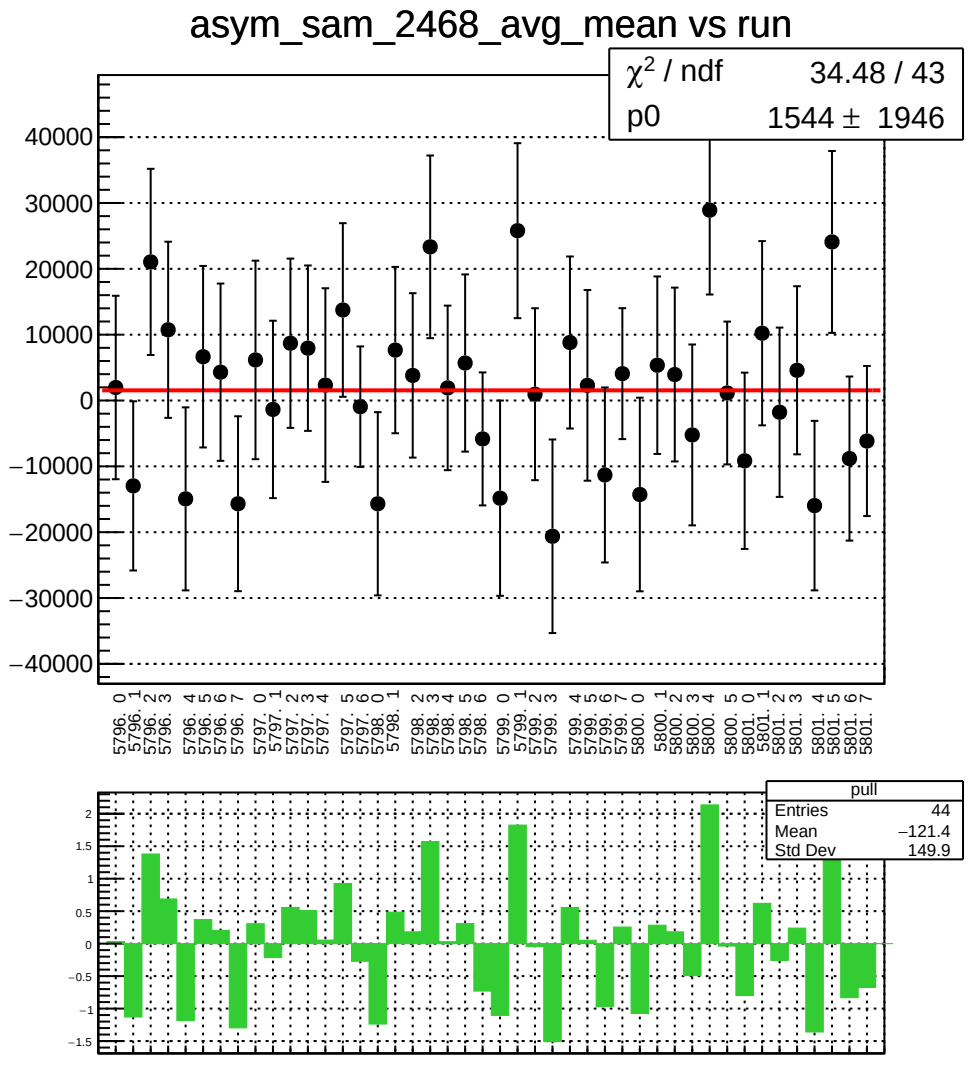

pull1D
Entries 44
Mean −0.01571
Std Dev 0.8751

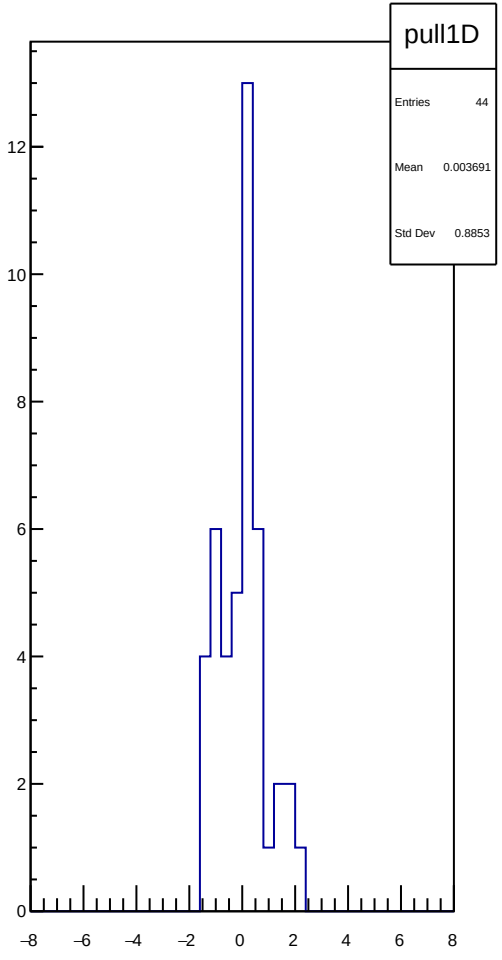

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2133 / 43
p0 108.7 ± 0.1173
140
135
130
125
120
115
110
105
100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

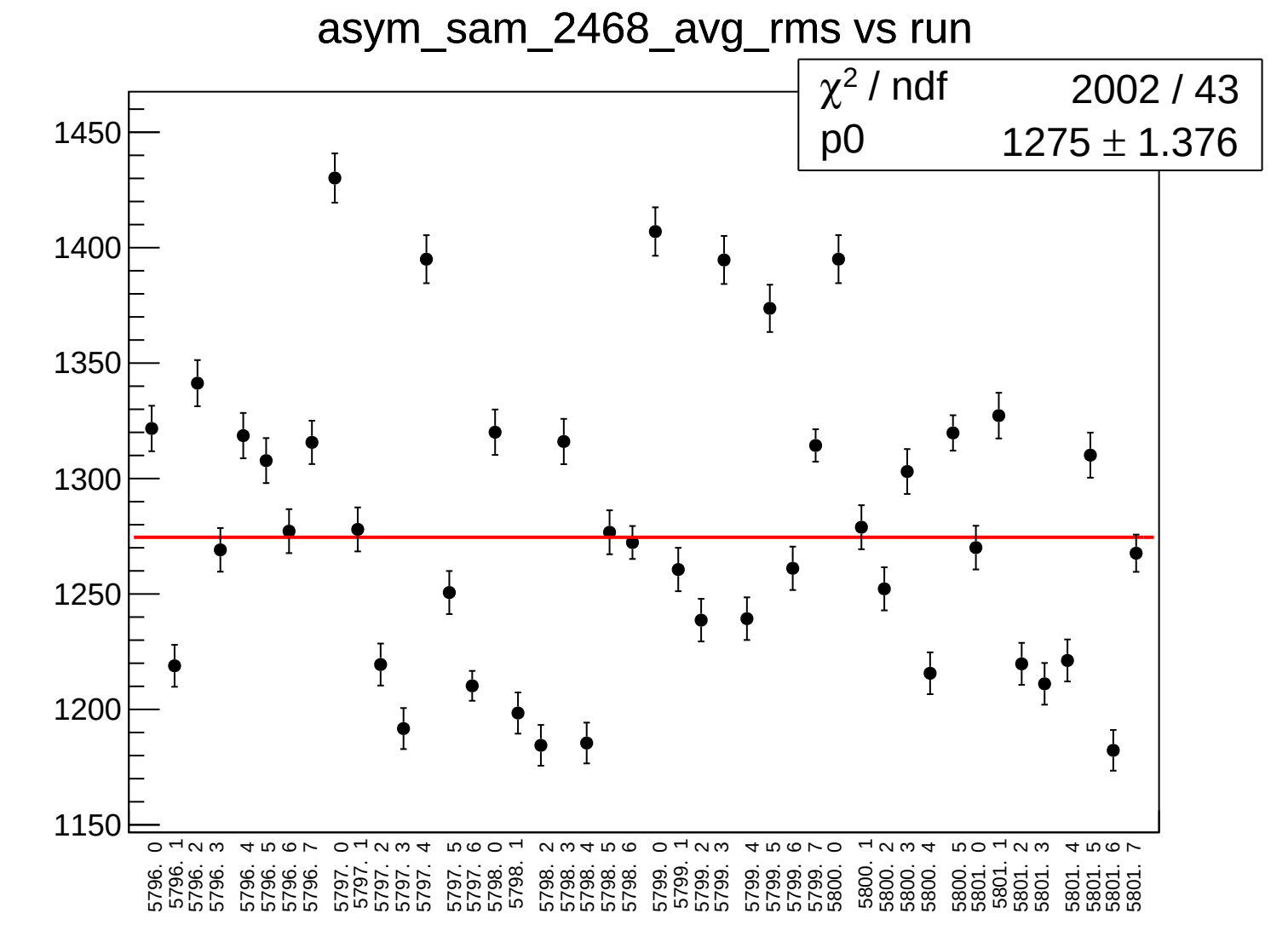

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 34.55 / 43
p0 −1698 ± 1968
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −276.1
Std Dev 304.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

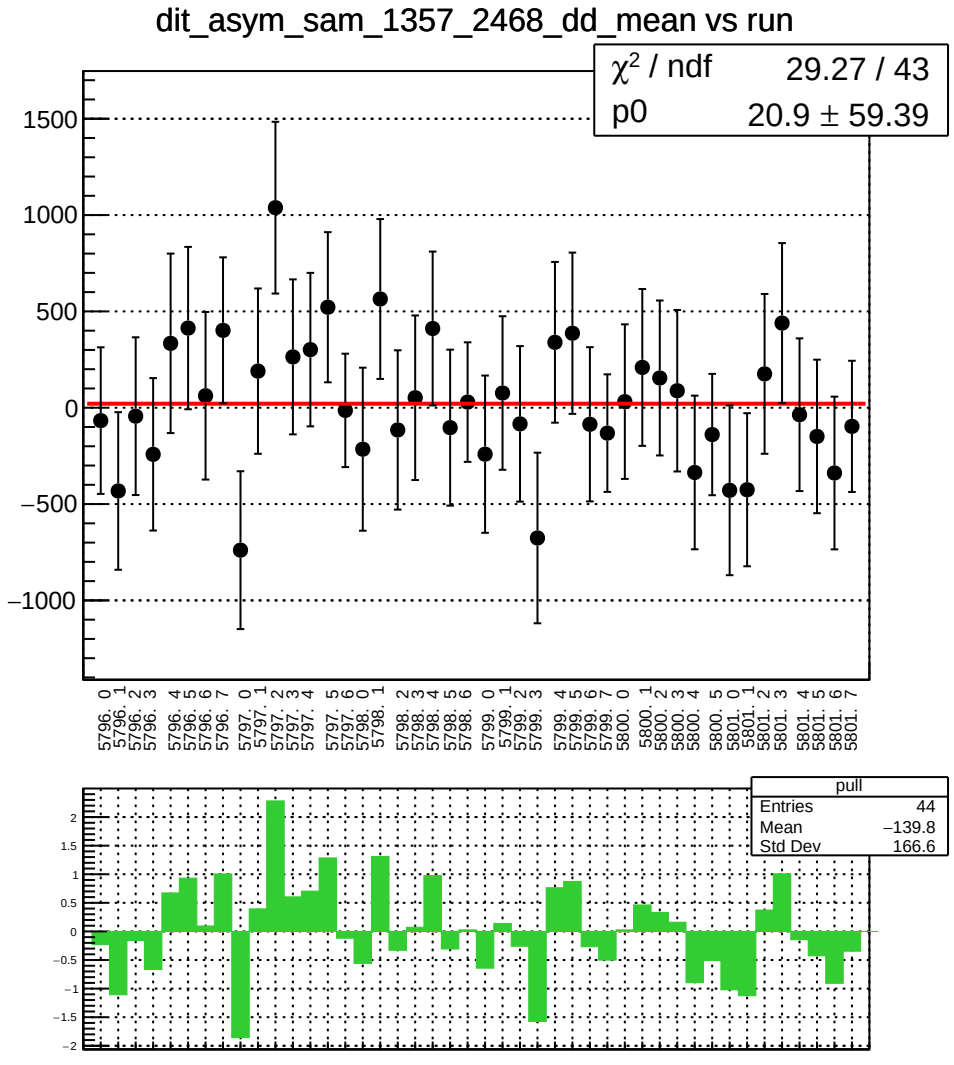

pull1D
Entries 44
Mean −0.002418
Std Dev 0.8861
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

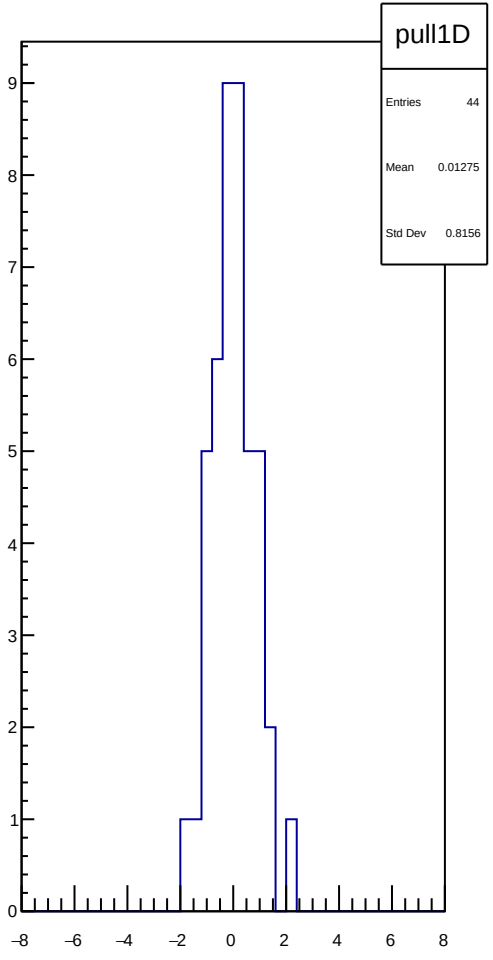

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1752 / 43
p0 1289 ± 1.392
1450
1400
1350
1300
1250
1200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

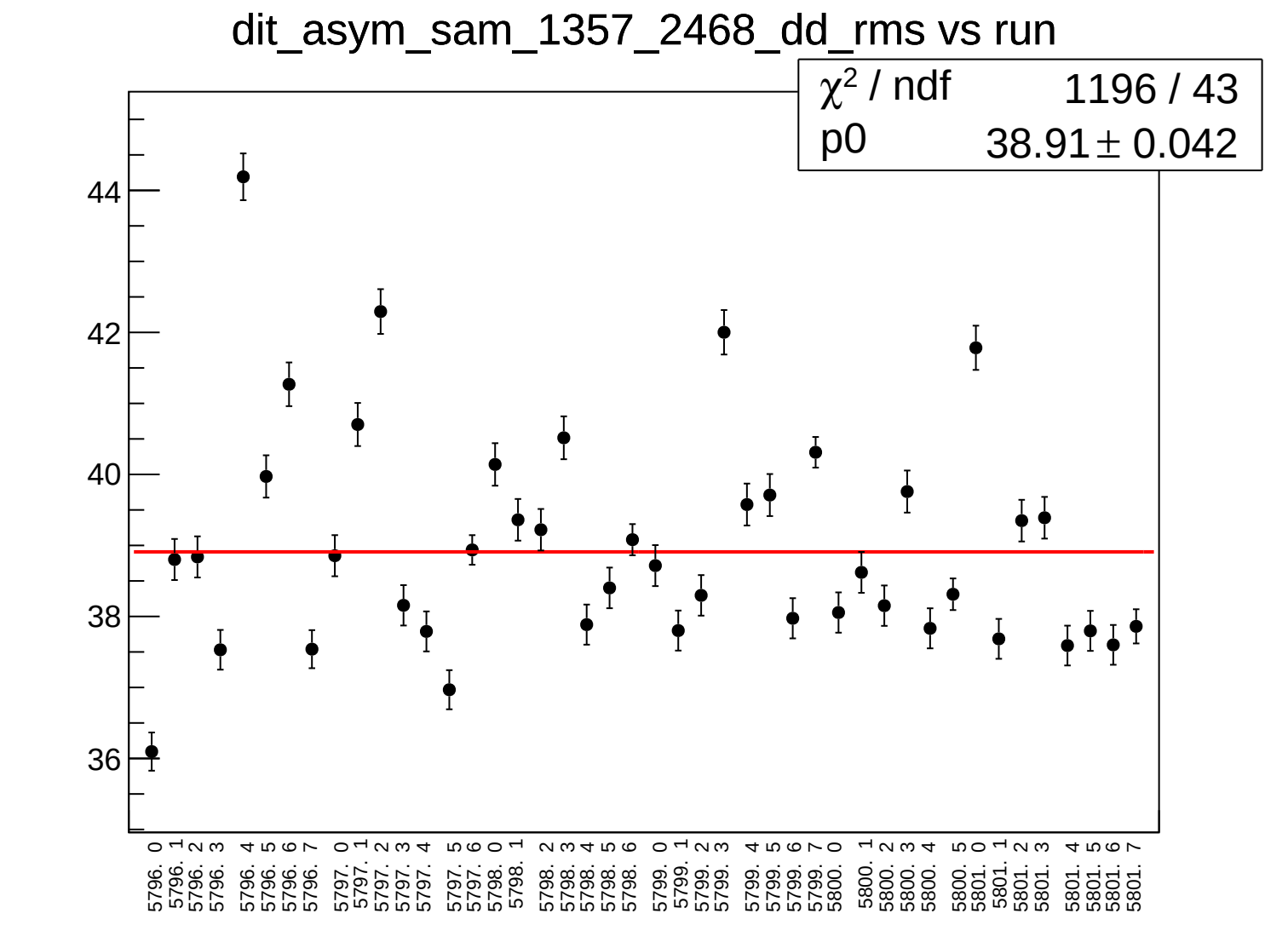

asym_sam_2468_avg_mean vs run
χ² / ndf 34.48 / 43
p0 1544 ± 1946
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −121.4
Std Dev 149.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

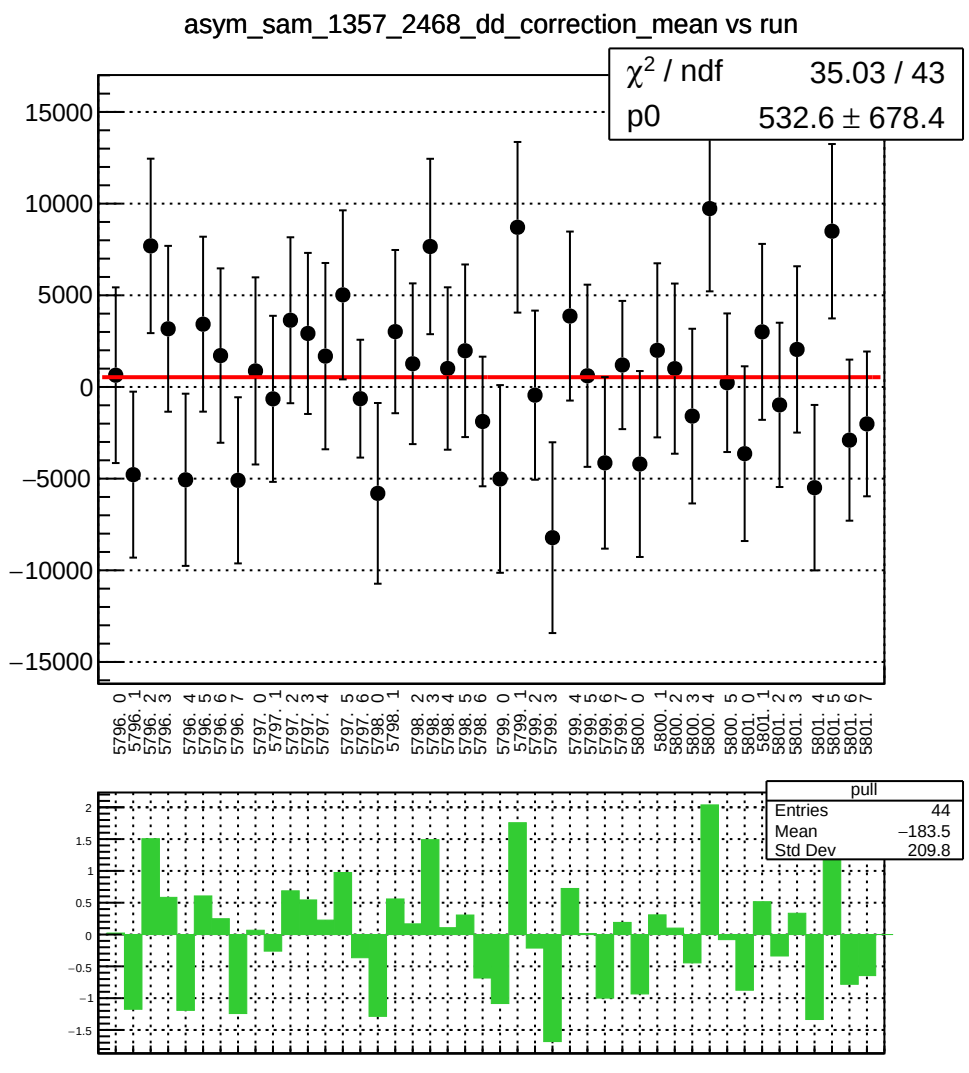

pull1D
Entries 44
Mean 0.003691
Std Dev 0.8853
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

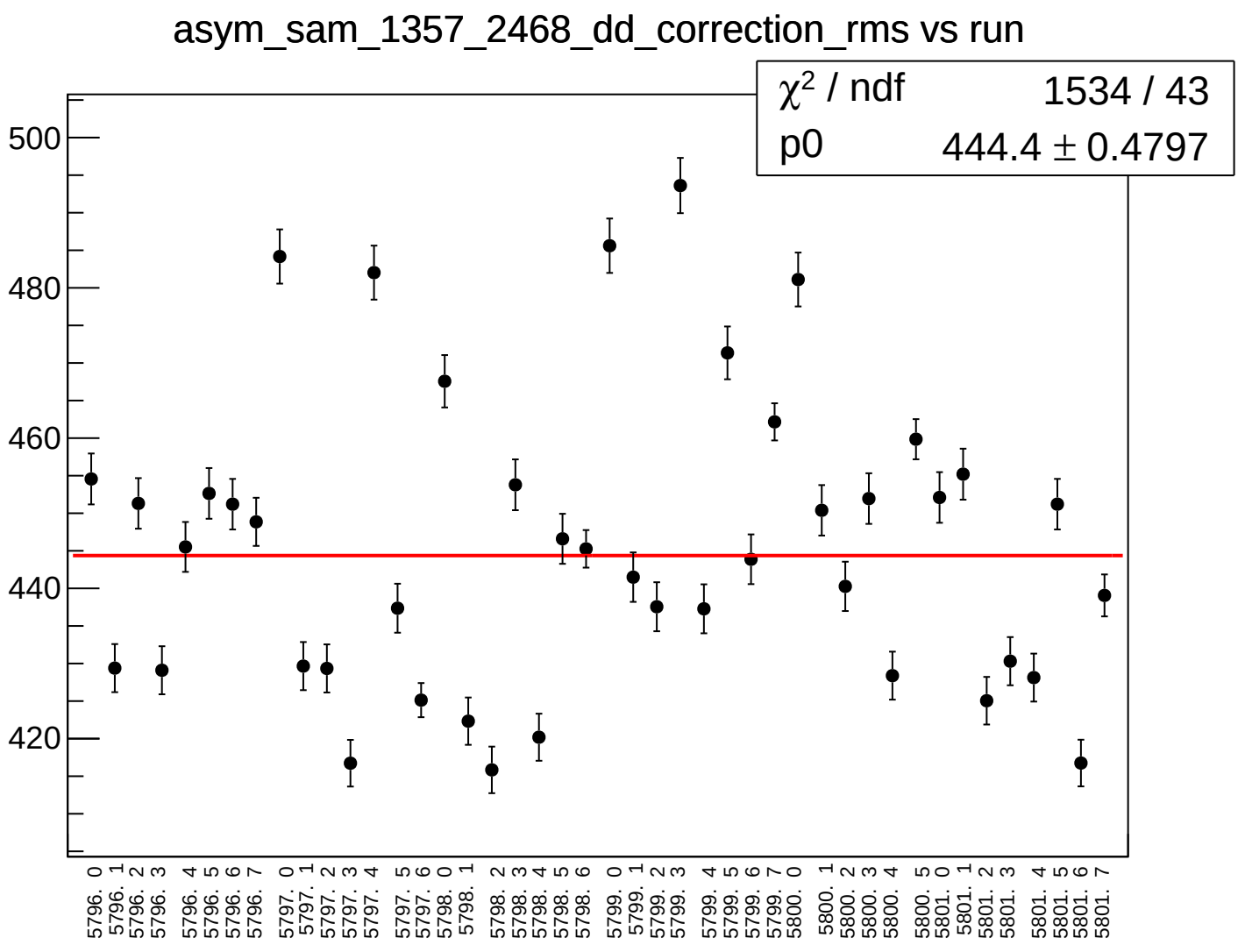

asym_sam_2468_avg_rms vs run
χ² / ndf 2002 / 43
p0 1275 ± 1.376
1450
1400
1350
1300
1250
1200
1150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

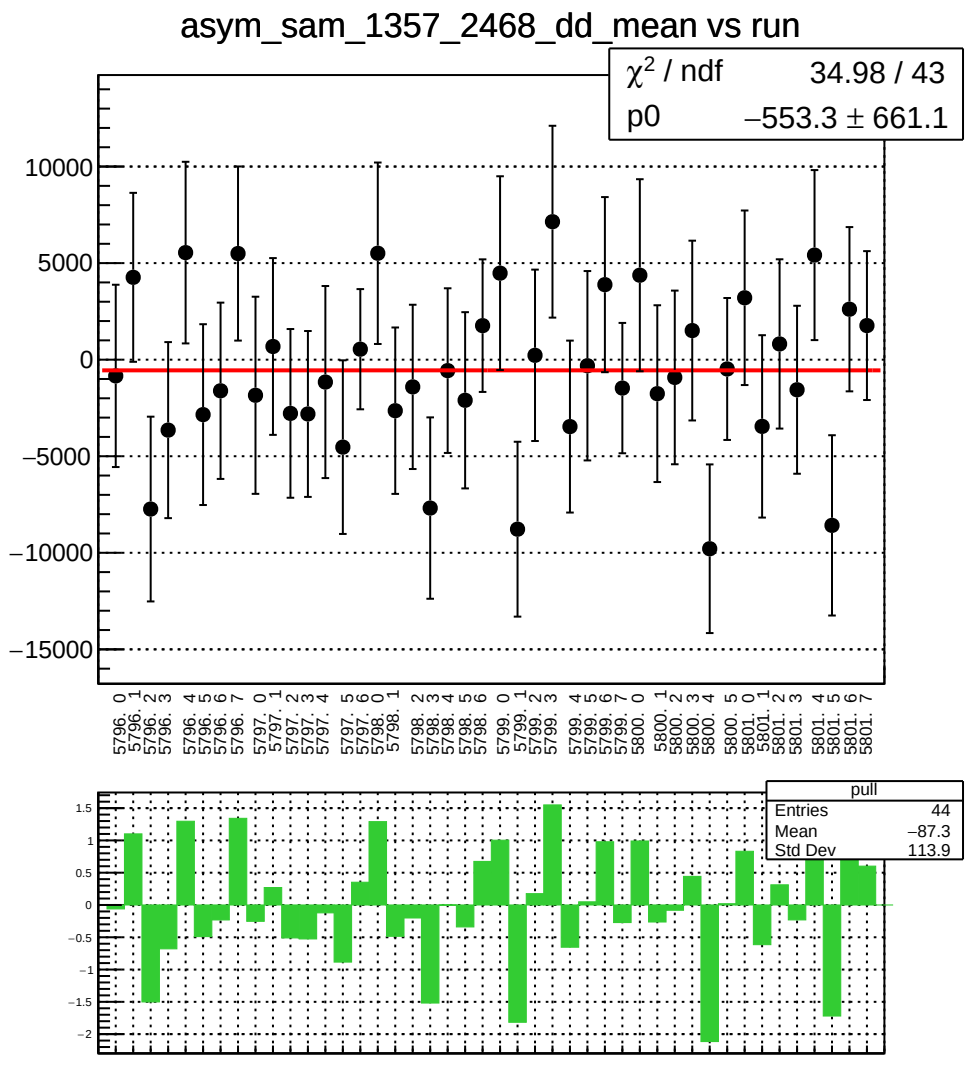

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 29.27 / 43
p0 20.9 ± 59.39
1500
1000
500
0
−500
−1000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −139.8
Std Dev 166.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

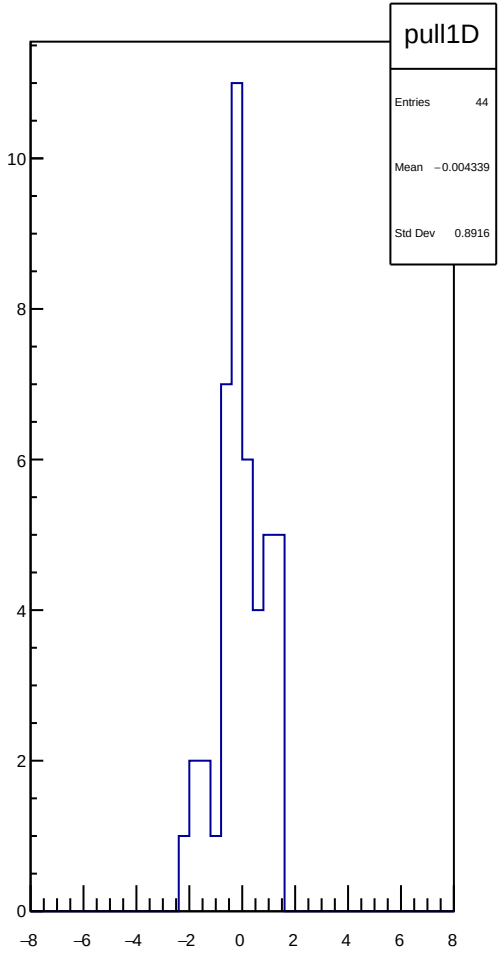

pull1D
Entries 44
Mean 0.01275
Std Dev 0.8156
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

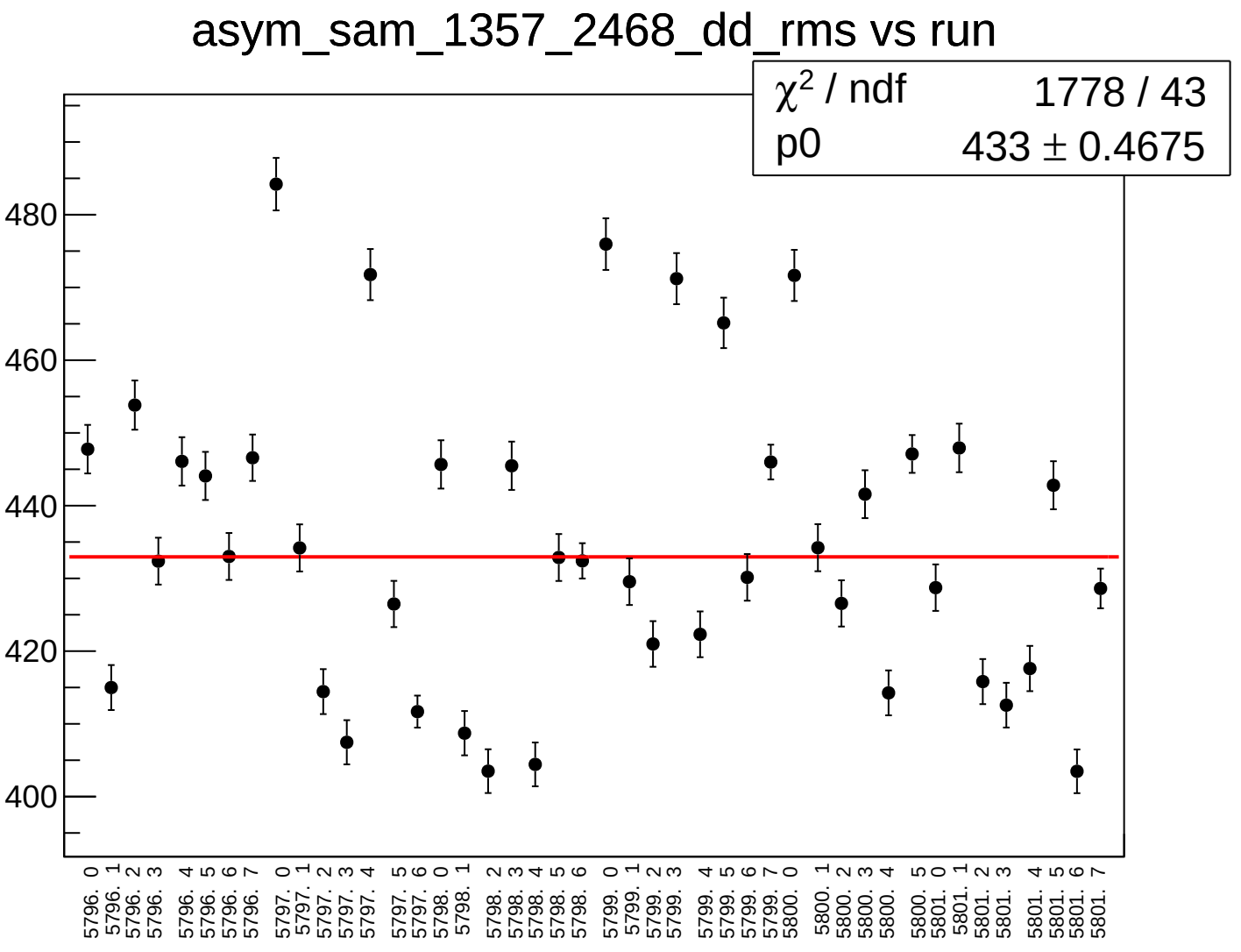

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1196 / 43
p0 38.91 ± 0.042
44
42
40
38
36
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

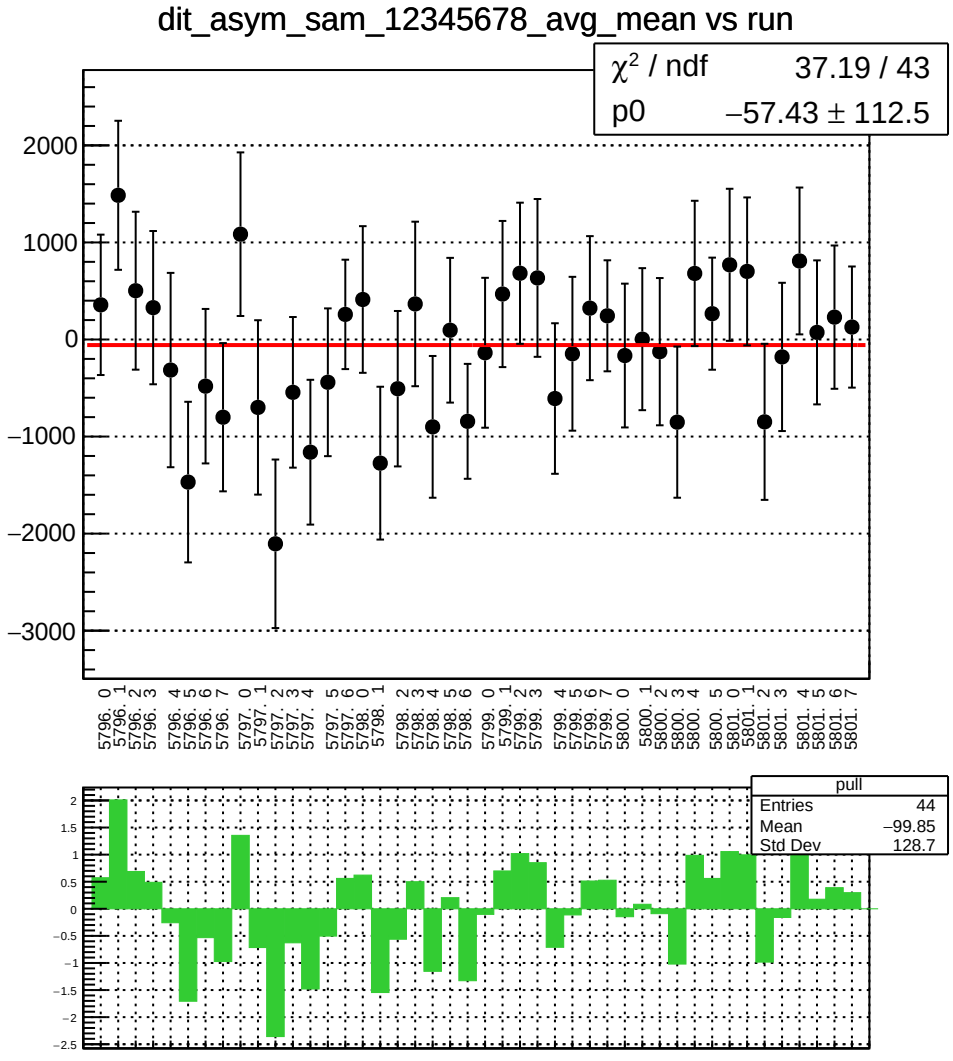

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 35.03 / 43
p0 532.6 ± 678.4
15000
10000
5000
0
−5000
−10000
−15000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −183.5
Std Dev 209.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean 0.003173
Std Dev 0.8923
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

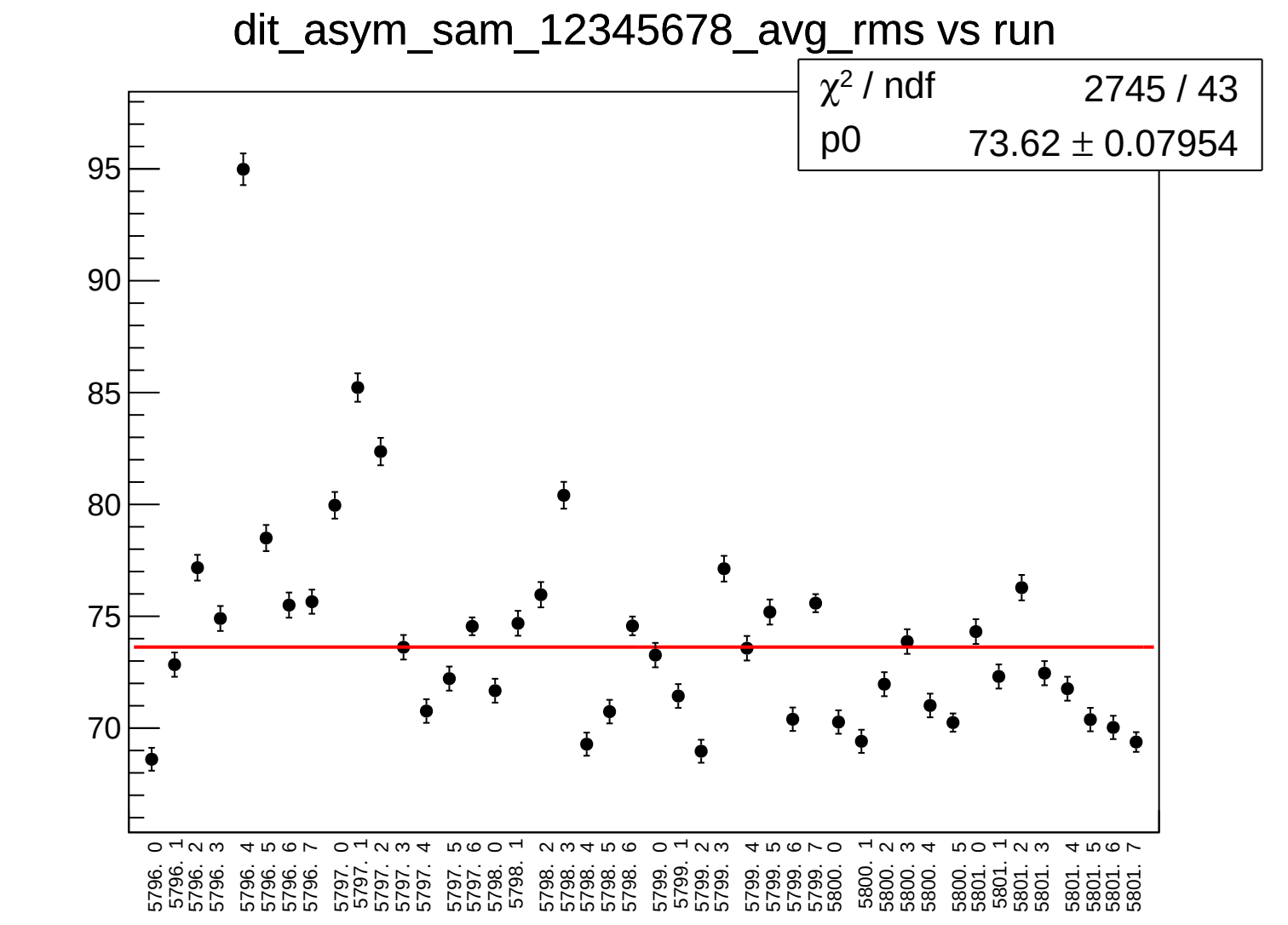

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1534 / 43
p0 444.4 ± 0.4797
500
480
460
440
420
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

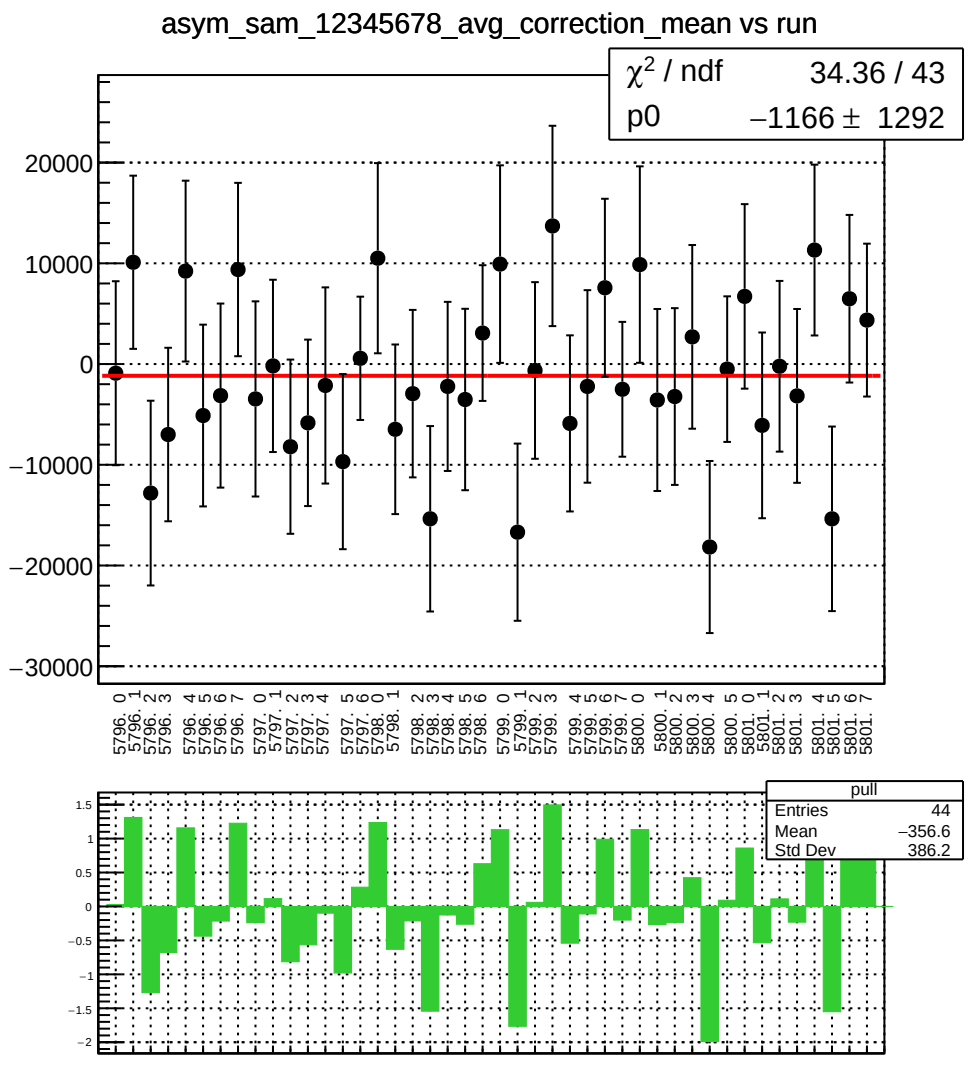

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 34.98 / 43
p0 −553.3 ± 661.1
10000
5000
0
−5000
−10000
−15000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −87.3
Std Dev 113.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

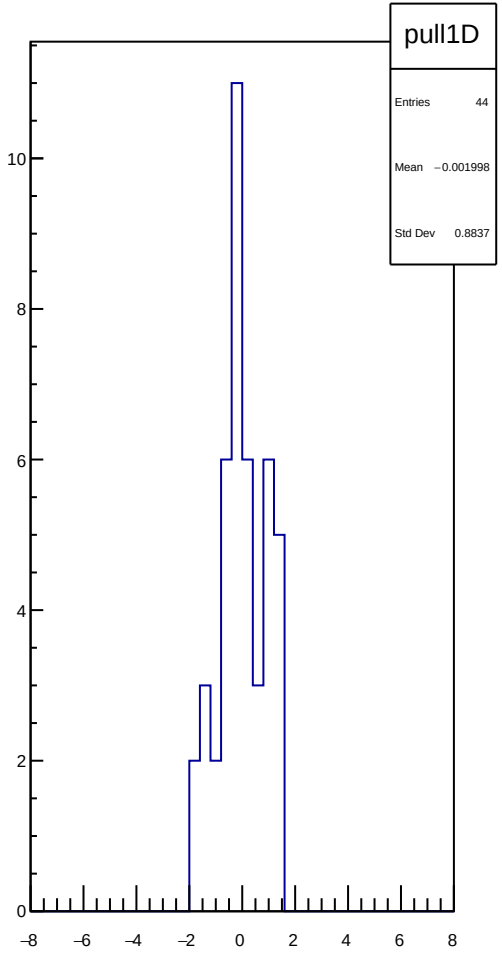

pull1D
Entries 44
Mean −0.004339
Std Dev 0.8916
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

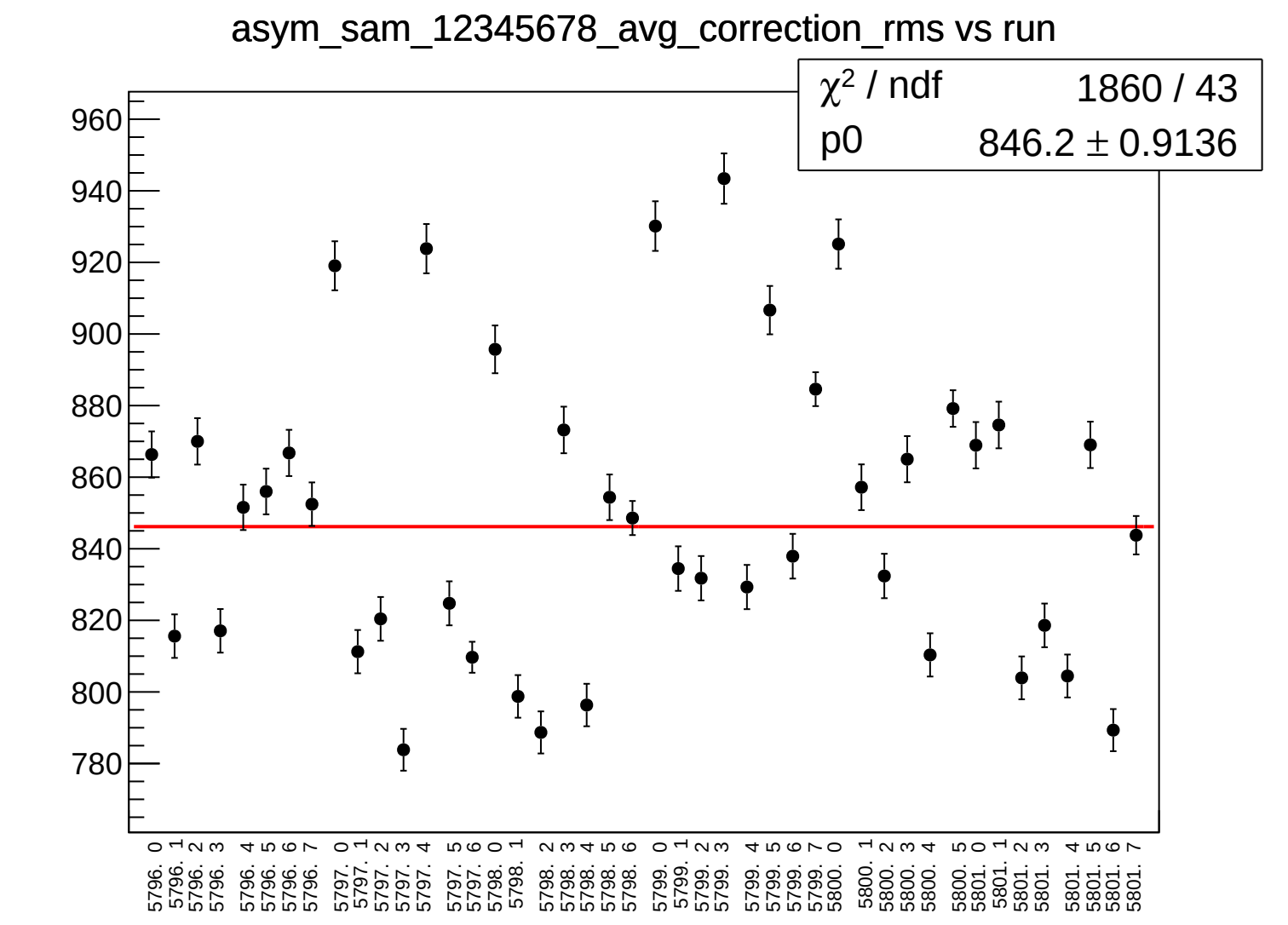

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1778 / 43
p0 433 ± 0.4675
480
460
440
420
400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

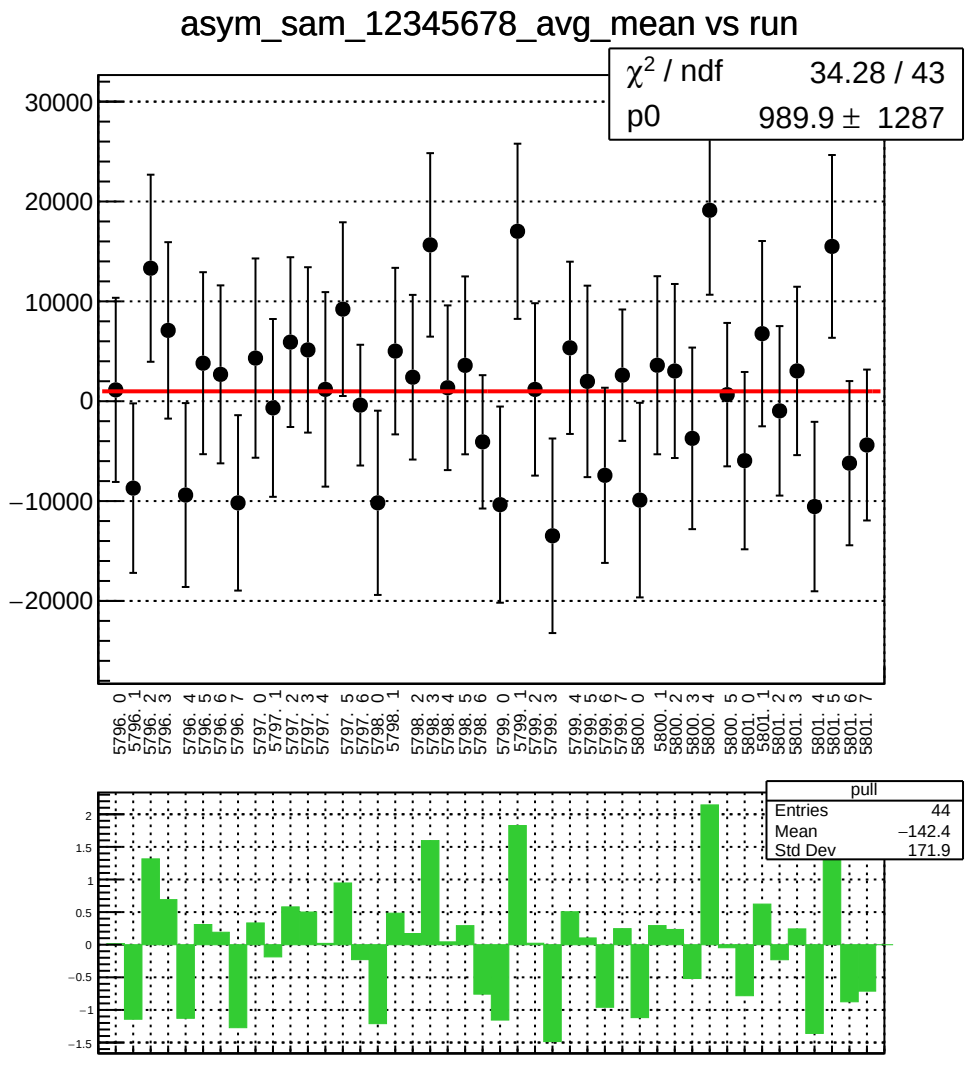

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 37.19 / 43
p0 −57.43 ± 112.5
2000
1000
0
−1000
−2000
−3000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −99.85
Std Dev 128.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 44
Mean −0.01744
Std Dev 0.9192
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

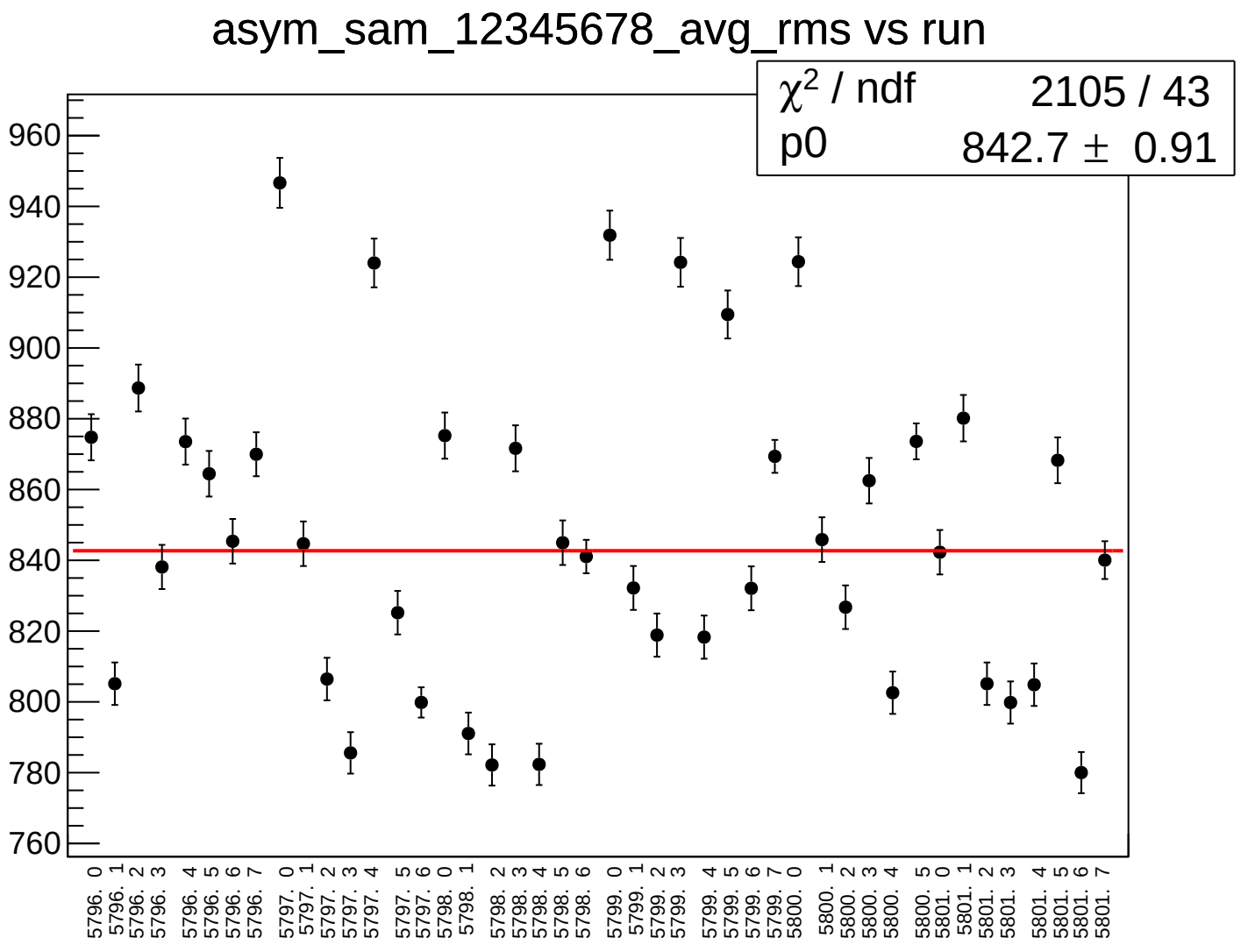

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2745 / 43
p0 73.62 ± 0.07954
95
90
85
80
75
70
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

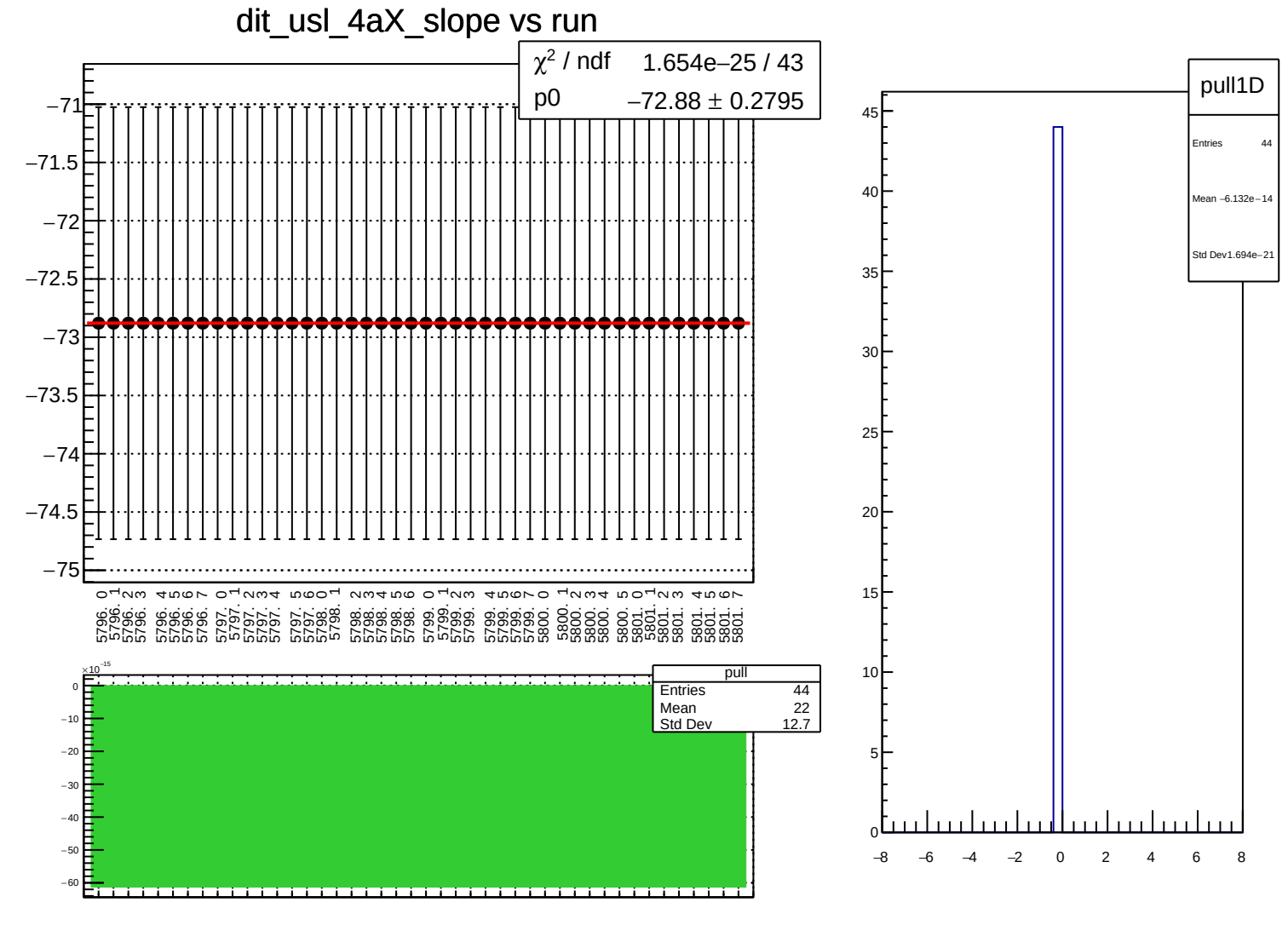

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 34.36 / 43
p0 −1166 ± 1292
20000
10000
0
−10000
−20000
−30000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −356.6
Std Dev 386.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

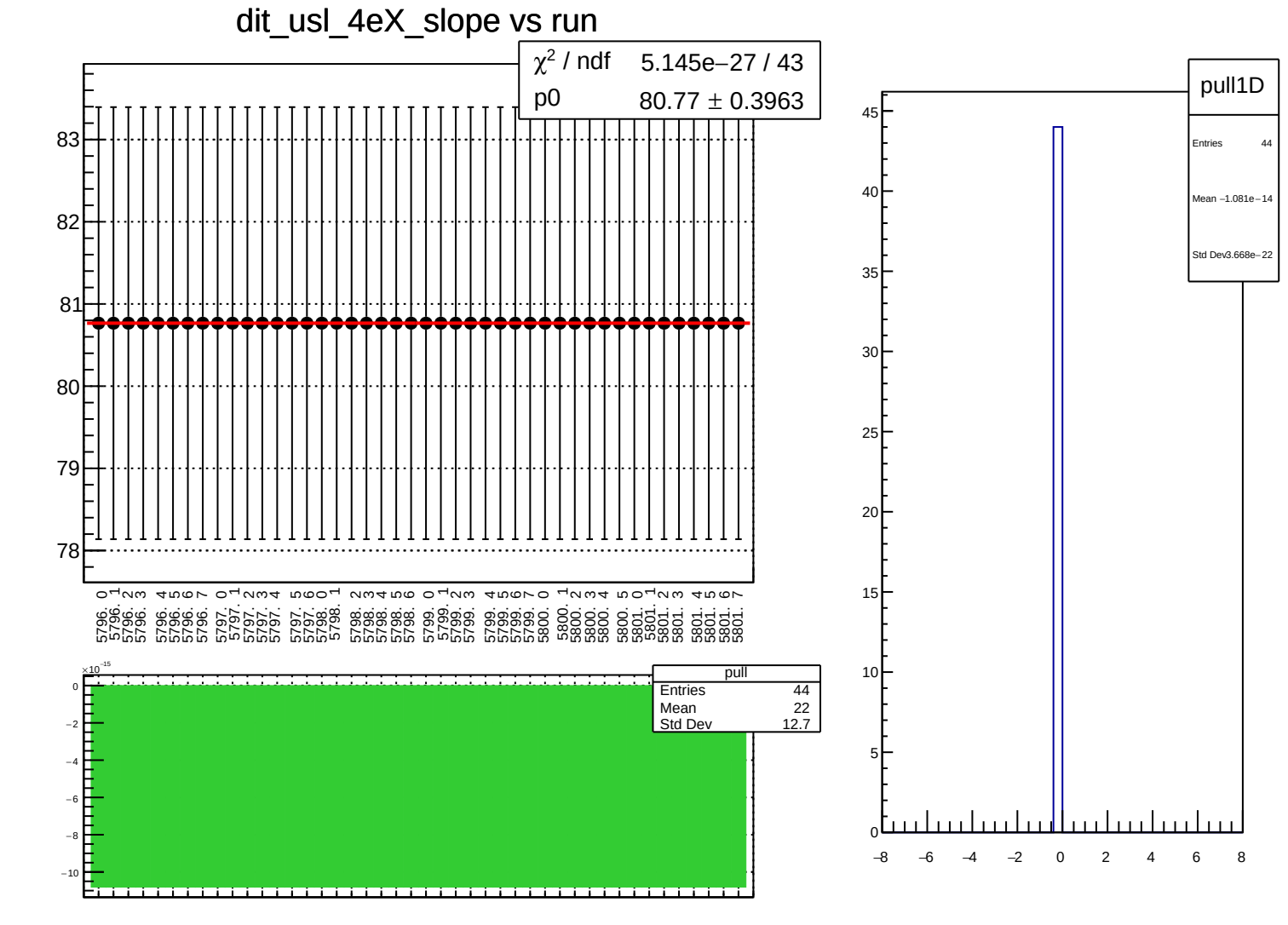

pull1D
Entries 44
Mean −0.001998
Std Dev 0.8837
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

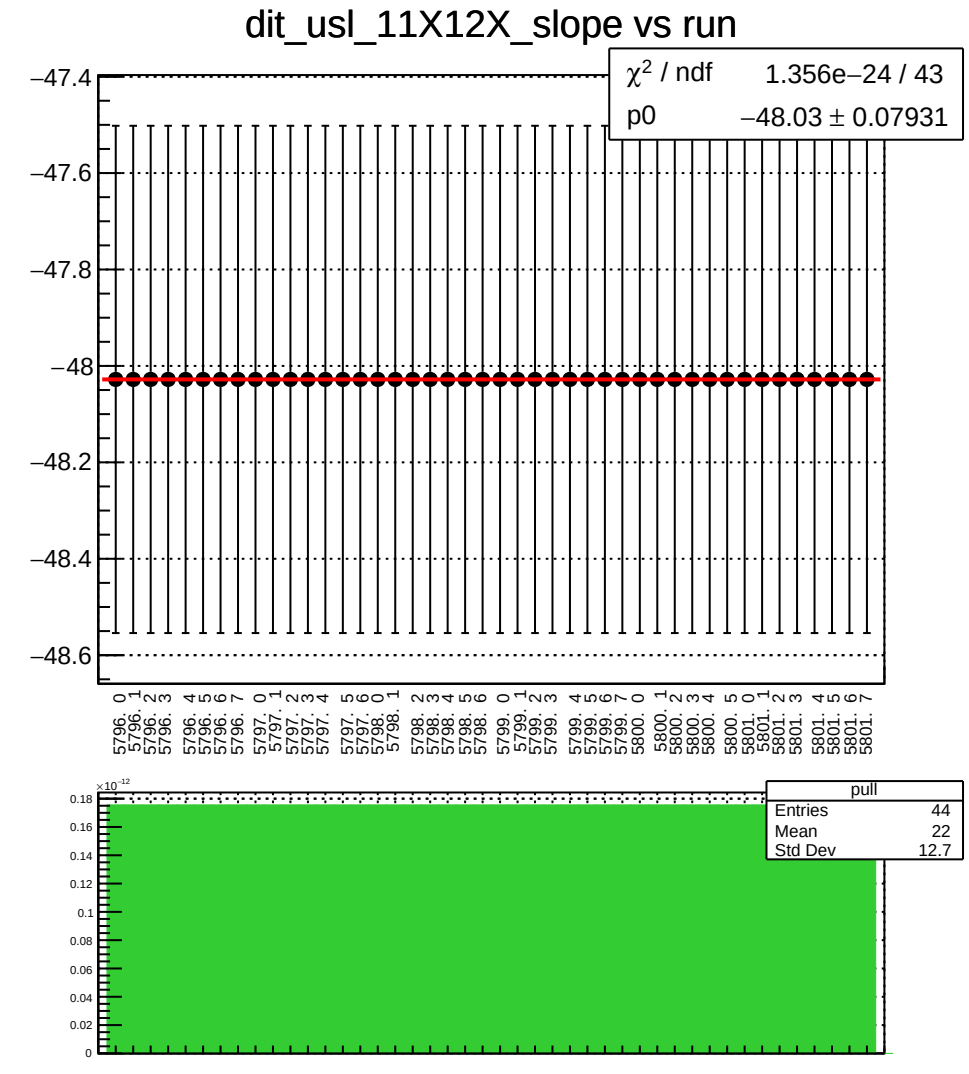

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1860 / 43
p0 846.2 ± 0.9136
960
940
920
900
880
860
840
820
800
780
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

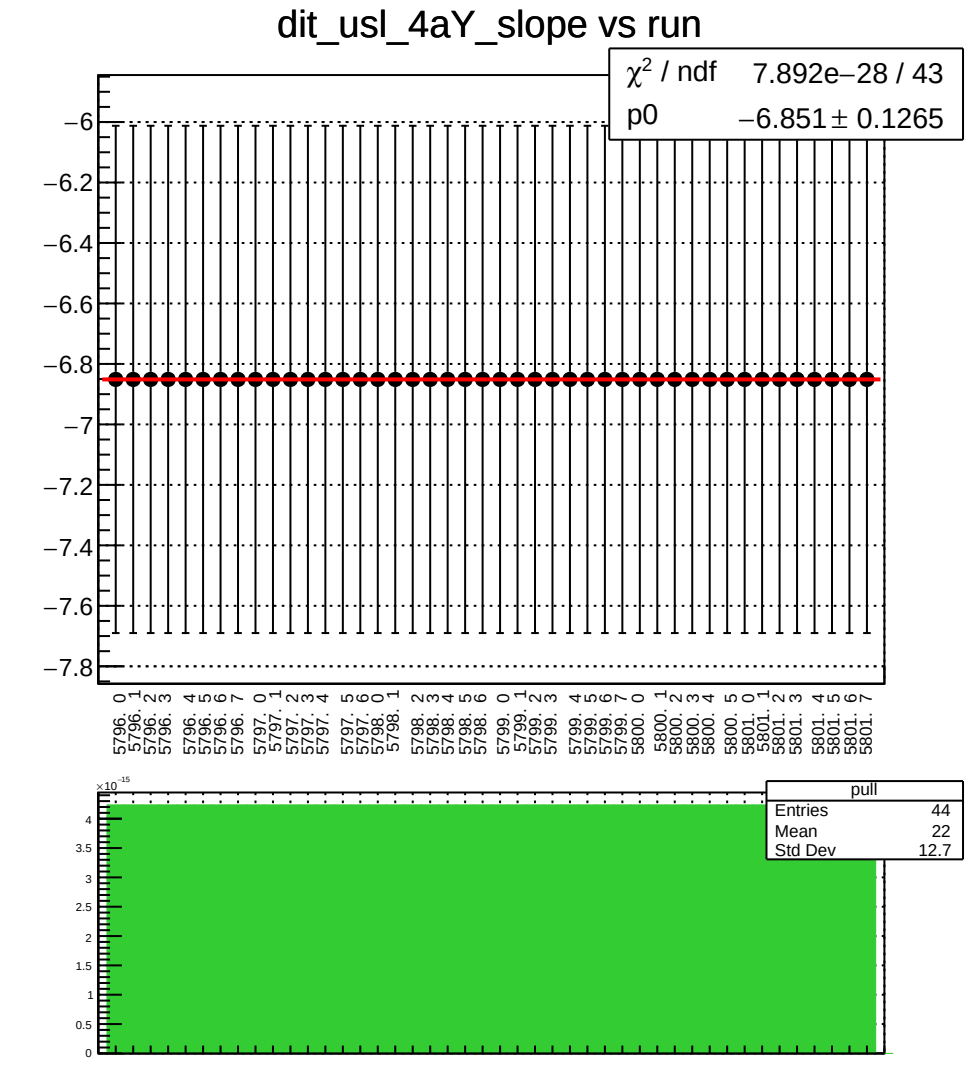

asym_sam_12345678_avg_mean vs run
χ² / ndf 34.28 / 43
p0 989.9 ± 1287
30000
20000
10000
0
−10000
−20000
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −142.4
Std Dev 171.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean 0.003382
Std Dev 0.8826
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

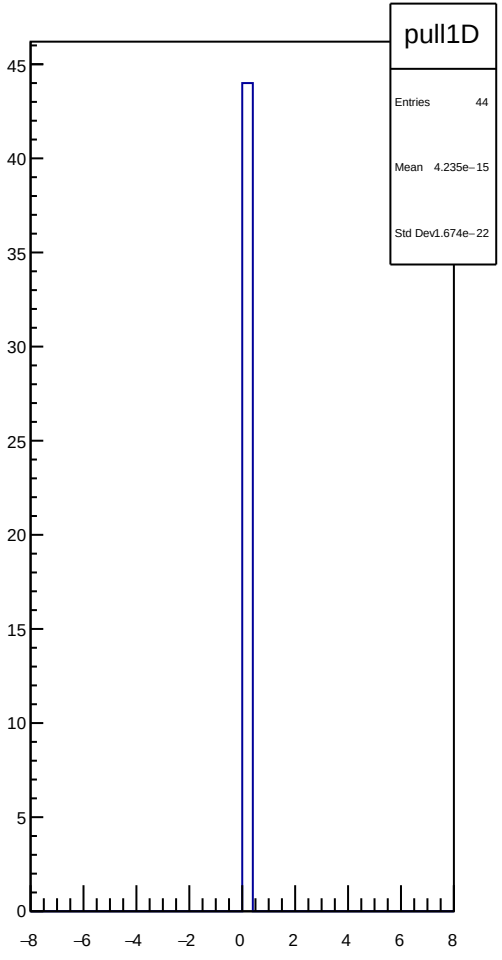

asym_sam_12345678_avg_rms vs run
χ² / ndf 2105 / 43
p0 842.7 ± 0.91
960
940
920
900
880
860
840
820
800
780
760
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7

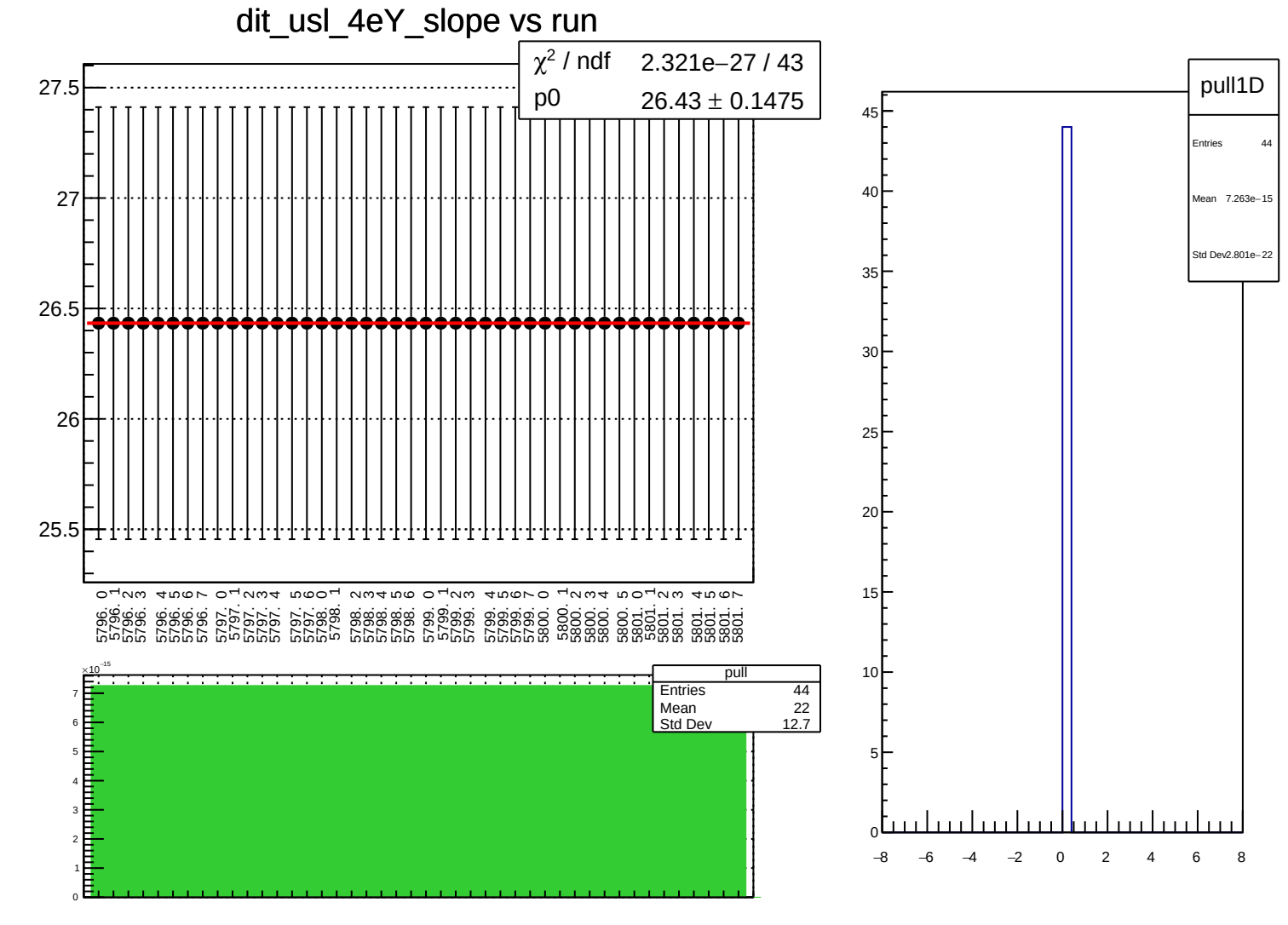

dit_usl_4aX_slope vs run
χ² / ndf 1.654e−25 / 43
p0 −72.88 ± 0.2795
−71
−71.5
−72
−72.5
−73
−73.5
−74
−74.5
−75
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −6.132e−14
Std Dev1.694e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

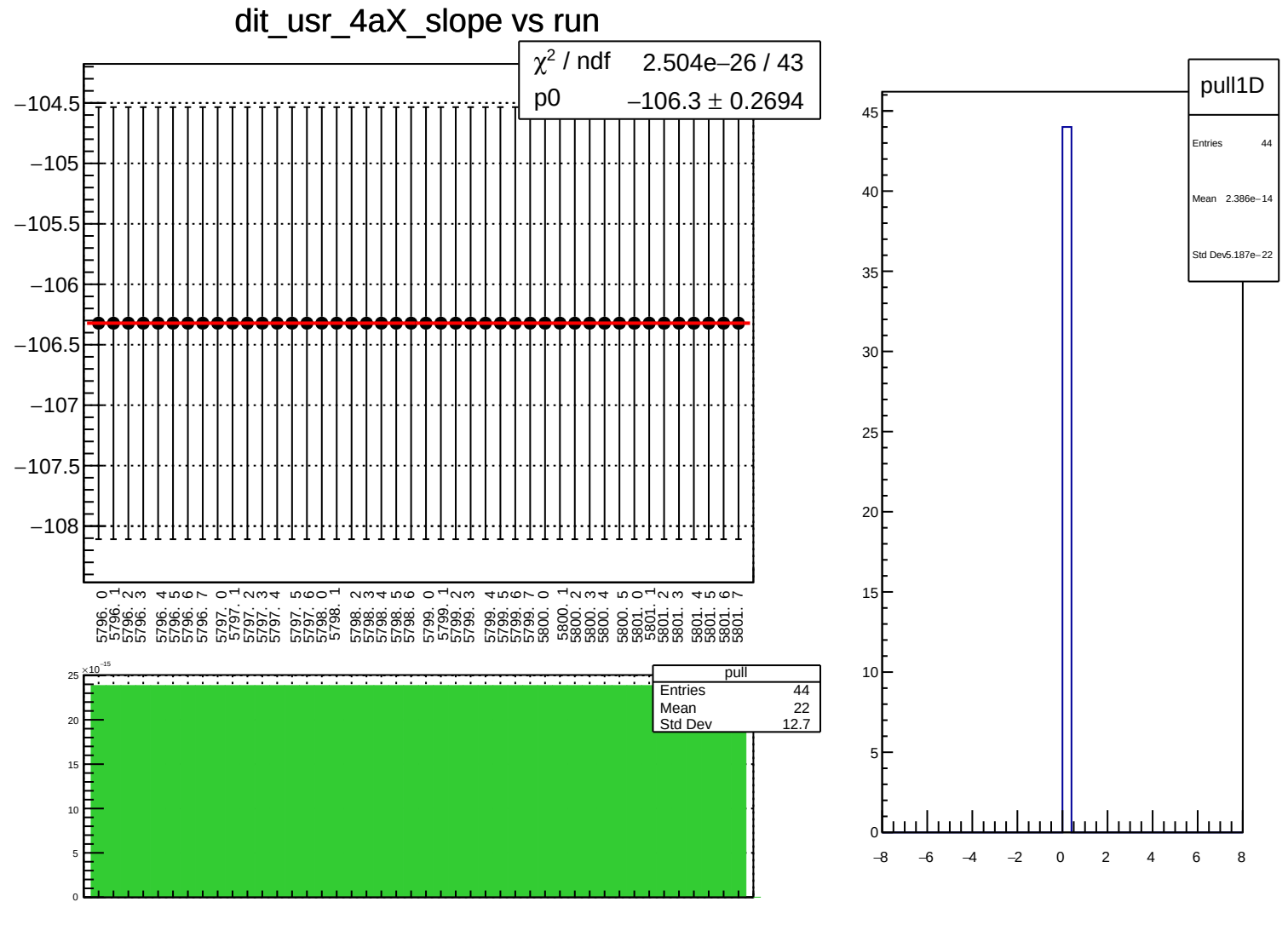

dit_usl_4eX_slope vs run
χ^2 / ndf 5.145e−27 / 43
p0 80.77 ± 0.3963
83
82
81
80
79
78
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −1.081e−14
Std Dev3.668e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

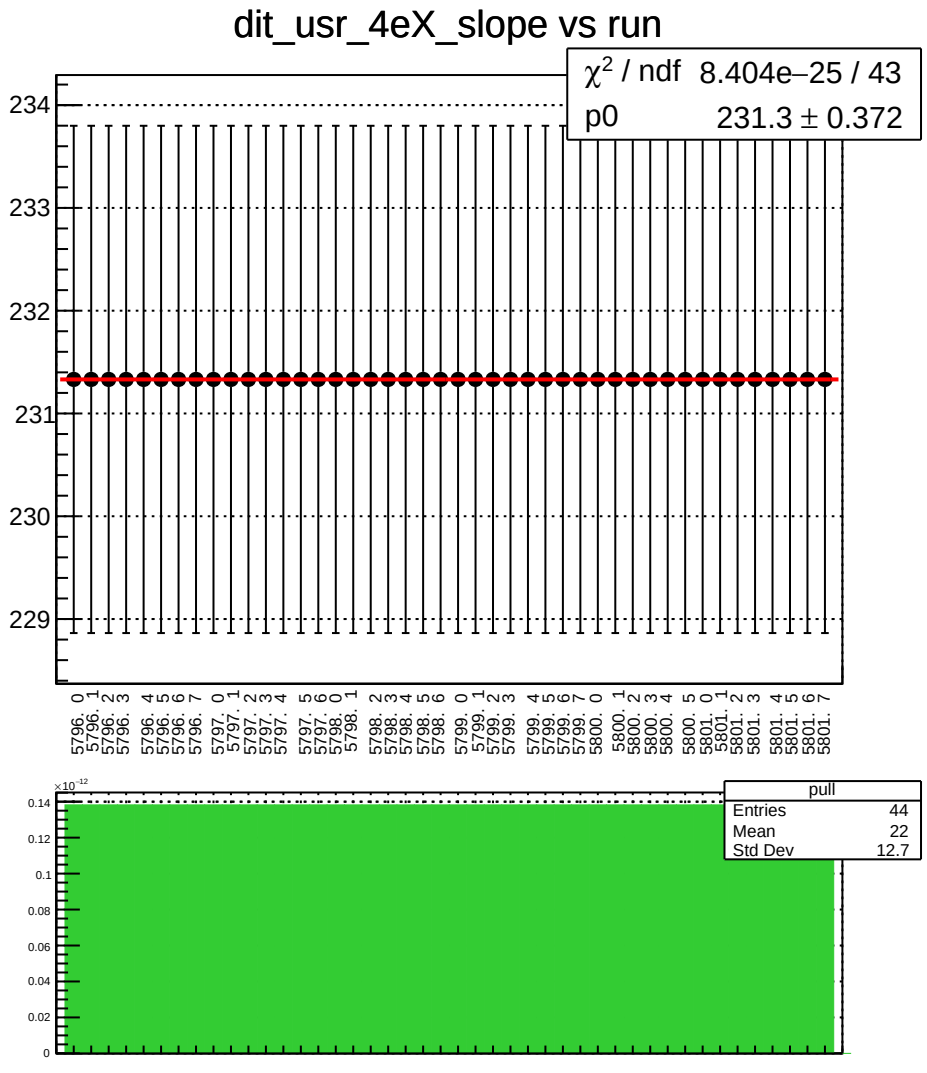

dit_usl_11X12X_slope vs run
χ^2 / ndf 1.356e−24 / 43
p0 −48.03 ± 0.07931
−47.4
−47.6
−47.8
−48
−48.2
−48.4
−48.6
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 1.756e−13
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

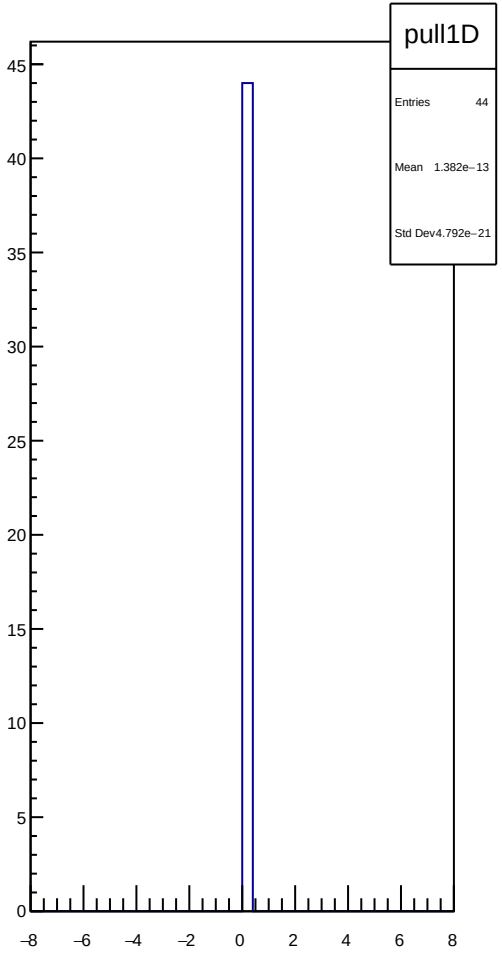

dit_usl_4aY_slope vs run
χ² / ndf 7.892e−28 / 43
p0 −6.851 ± 0.1265
−6
−6.2
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 44
Mean 22
Std Dev 12.7

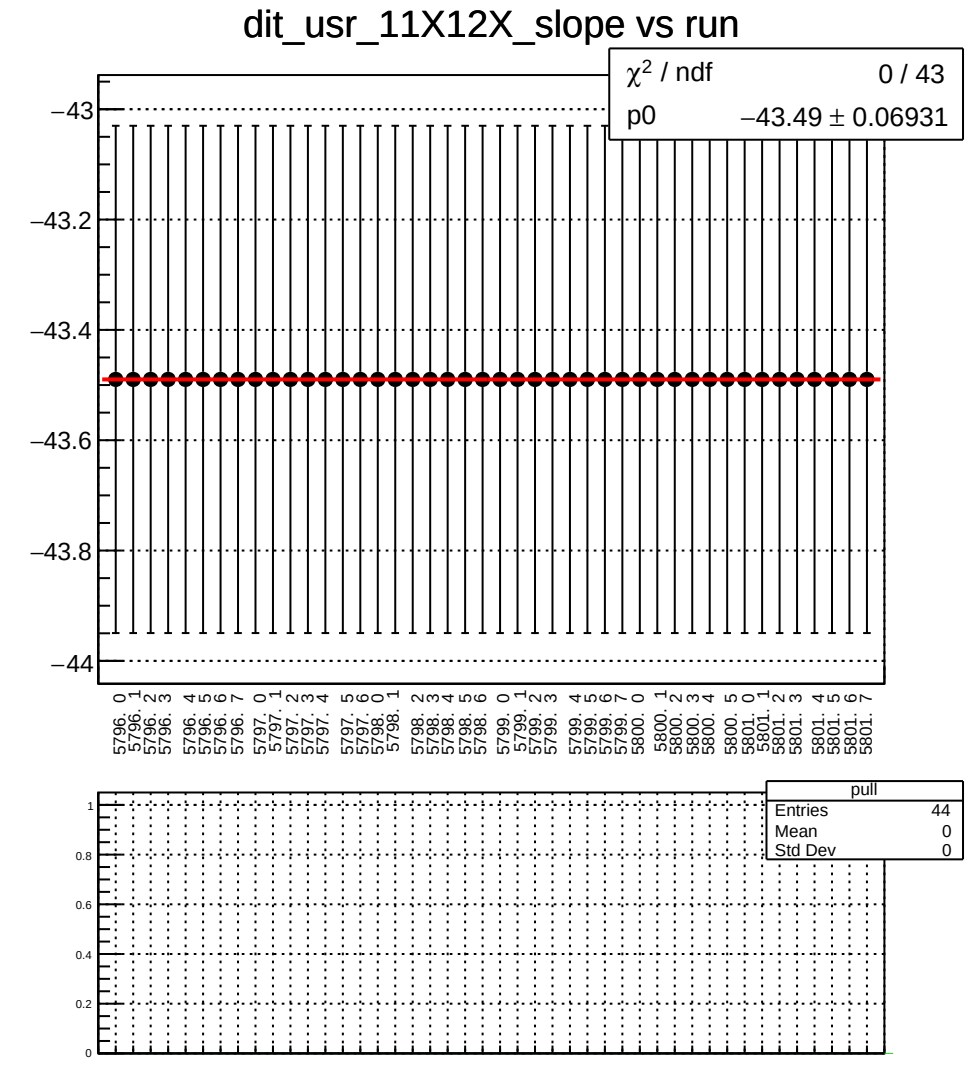

pull1D
Entries 44
Mean 4.235e−15
Std Dev1.674e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

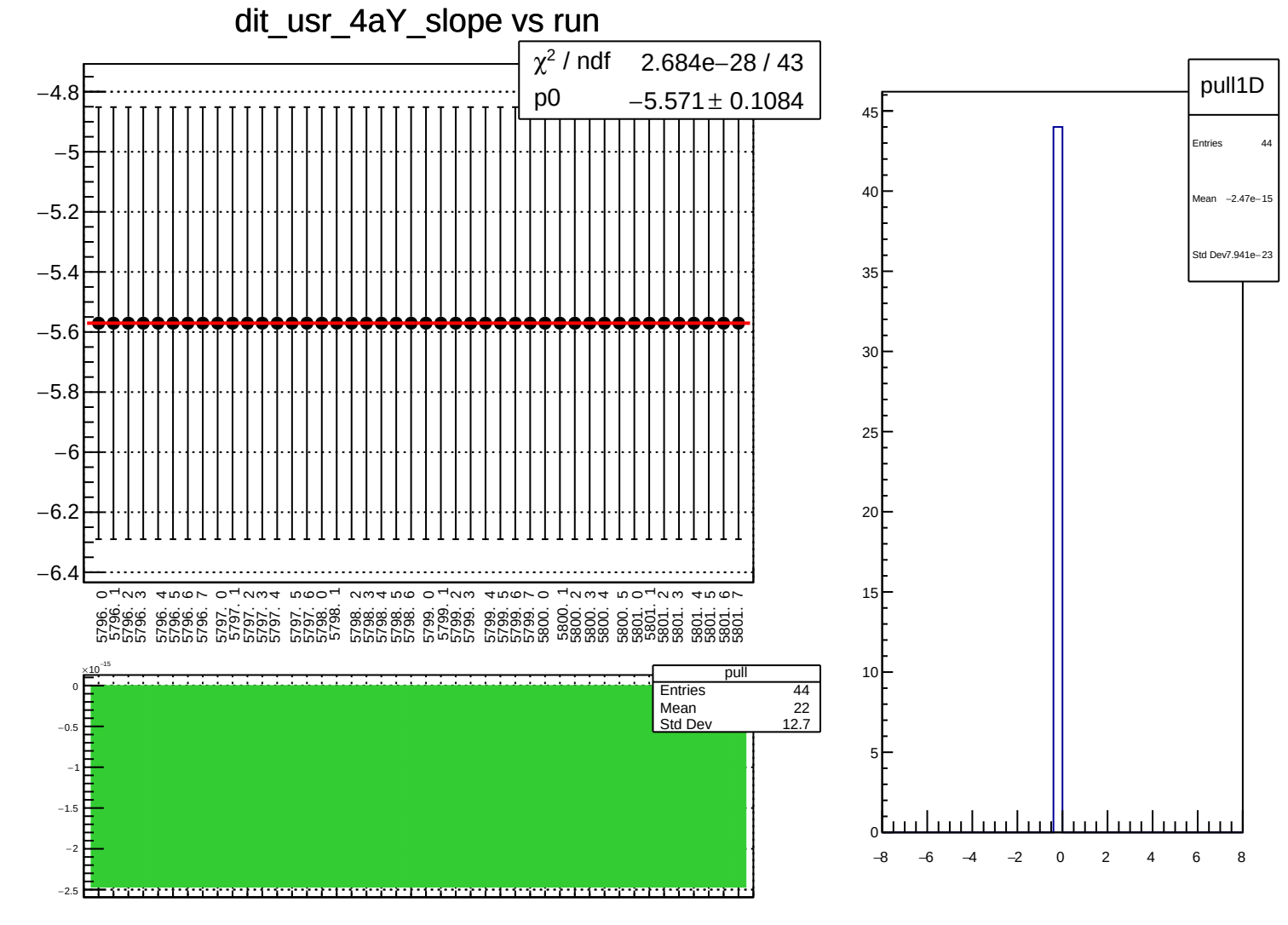

dit_usl_4eY_slope vs run
χ² / ndf 2.321e−27 / 43
p0 26.43 ± 0.1475
27.5
27
26.5
26
25.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 7.263e−15
Std Dev 2.801e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

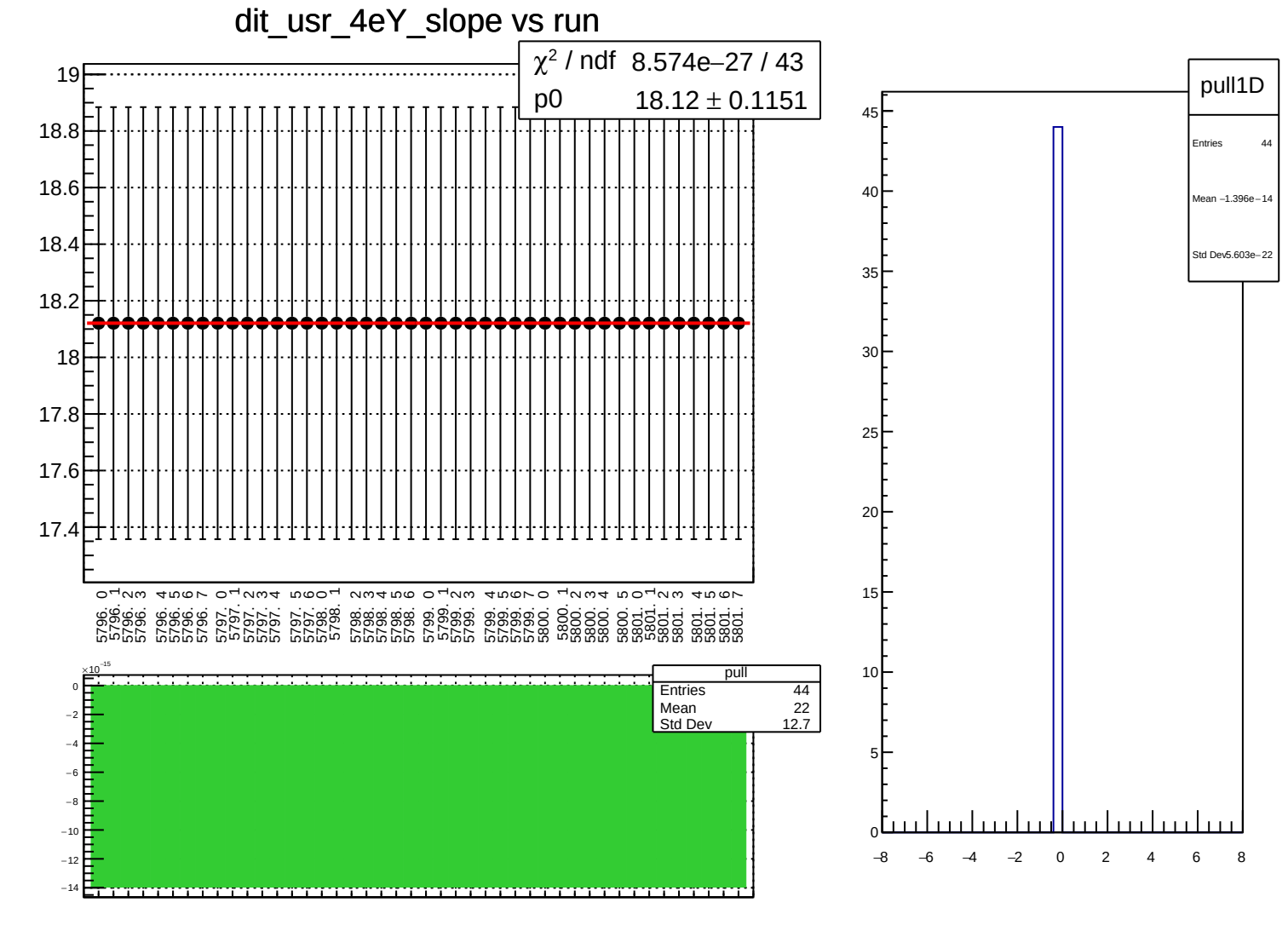

dit_usr_4aX_slope vs run
χ² / ndf 2.504e−26 / 43
p0 −106.3 ± 0.2694
−104.5
−105
−105.5
−106
−106.5
−107
−107.5
−108
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 2.386e−14
Std Dev 5.187e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

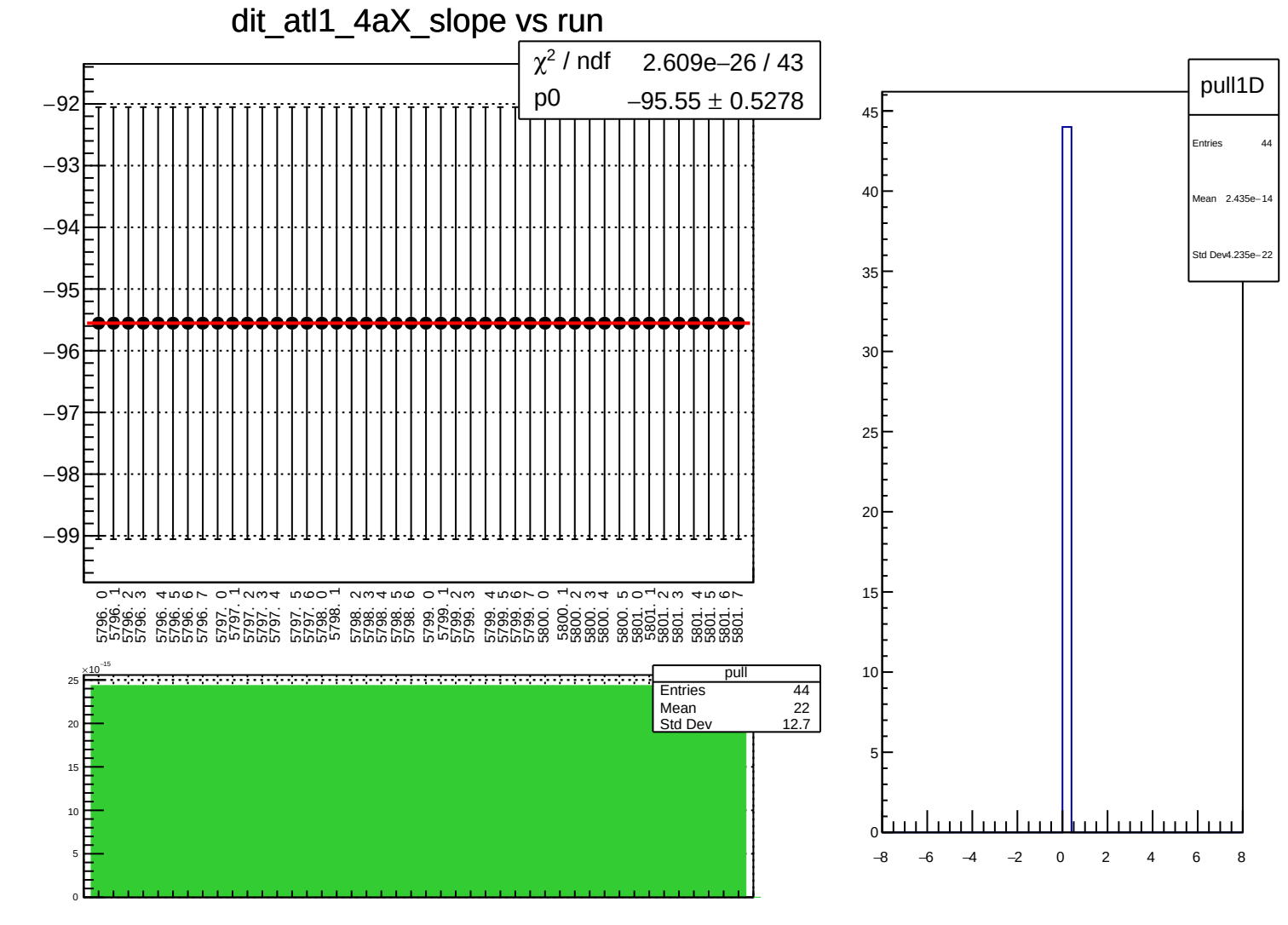

dit_usr_4eX_slope vs run
χ^2 / ndf 8.404e−25 / 43
p0 231.3 ± 0.372
234
233
232
231
230
229
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 44
Mean 22
Std Dev 12.7

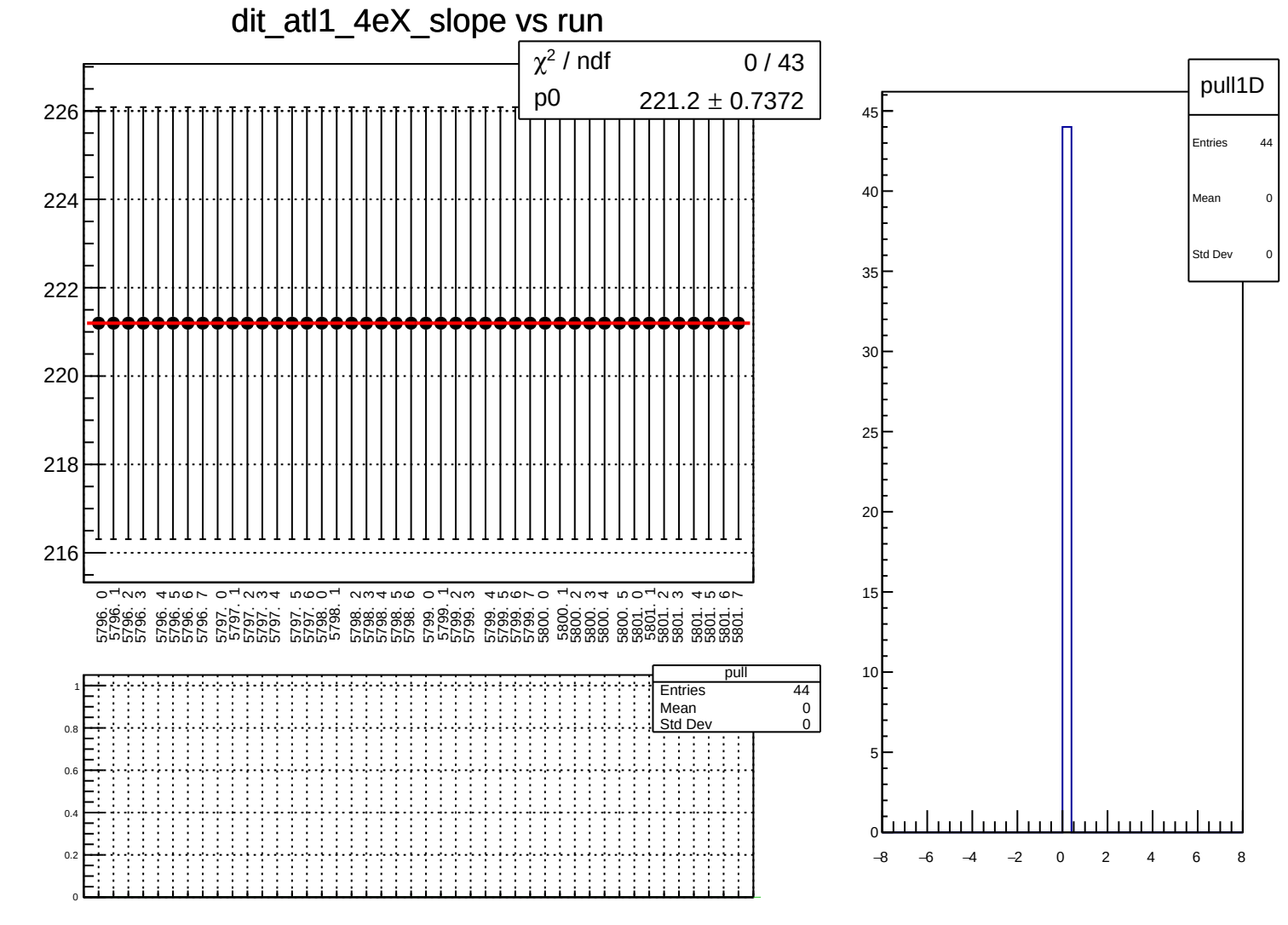

pull1D
Entries 44
Mean 1.382e−13
Std Dev4.792e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

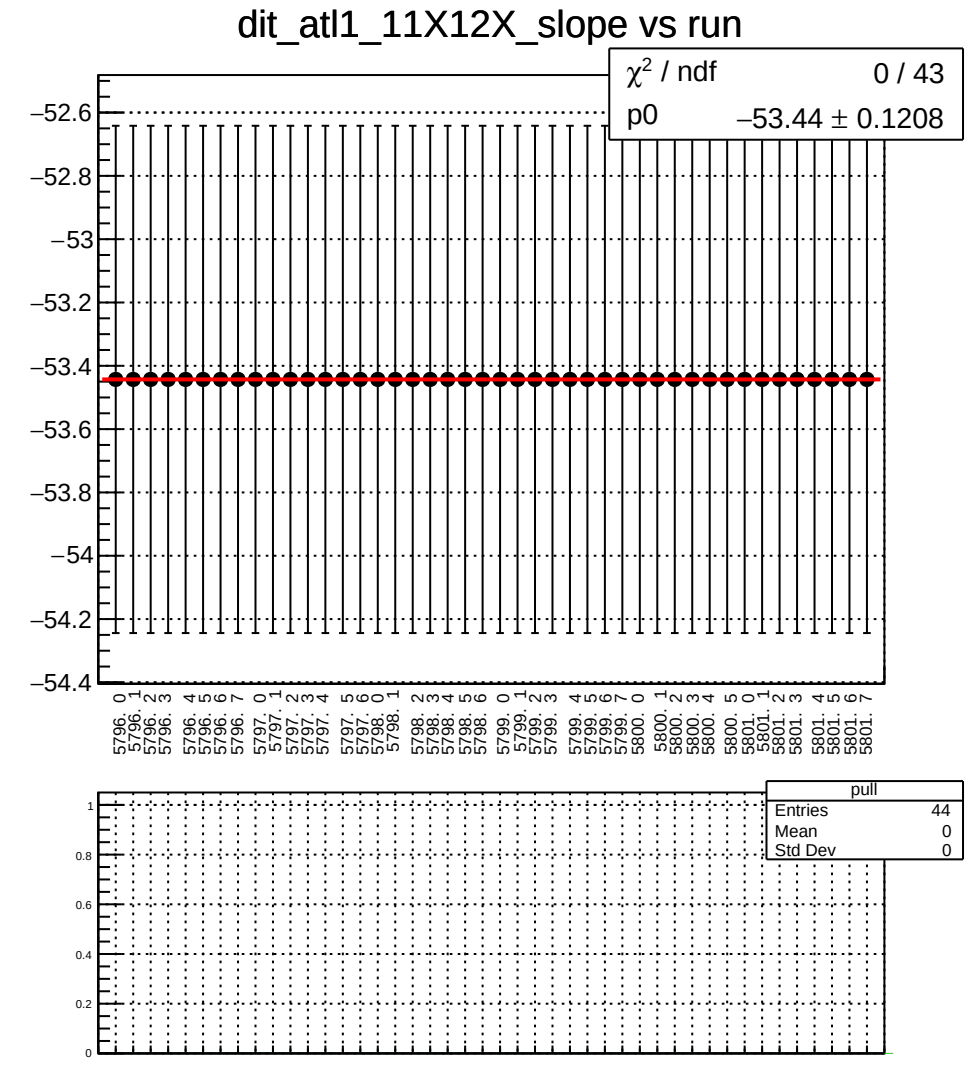

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 43
p0 −43.49 ± 0.06931
−43
−43.2
−43.4
−43.6
−43.8
−44
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

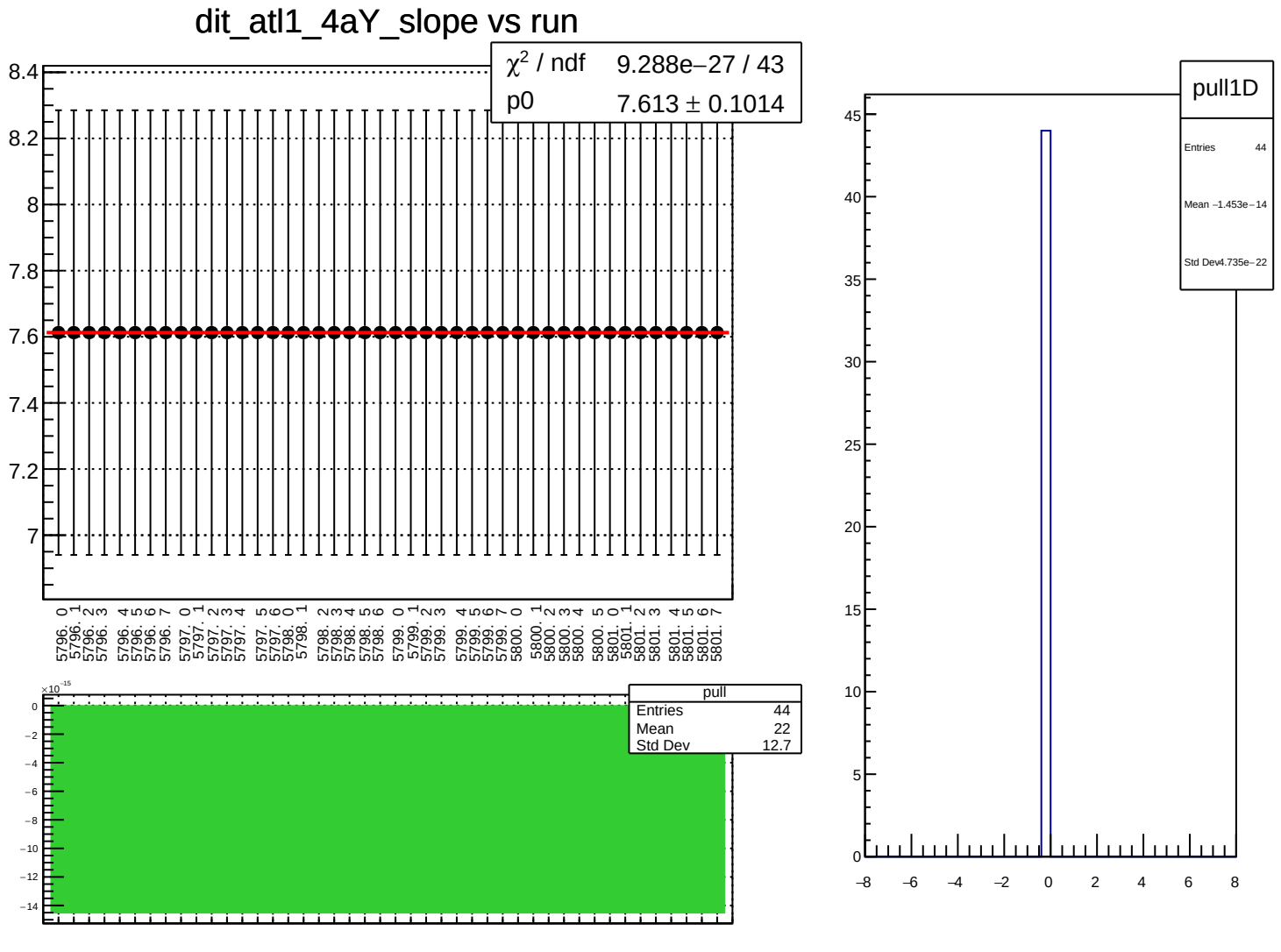

dit_usr_4aY_slope vs run
χ² / ndf 2.684e−28 / 43
p0 −5.571 ± 0.1084
−4.8
−5
−5.2
−5.4
−5.6
−5.8
−6
−6.2
−6.4
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −2.47e−15
Std Dev7.941e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

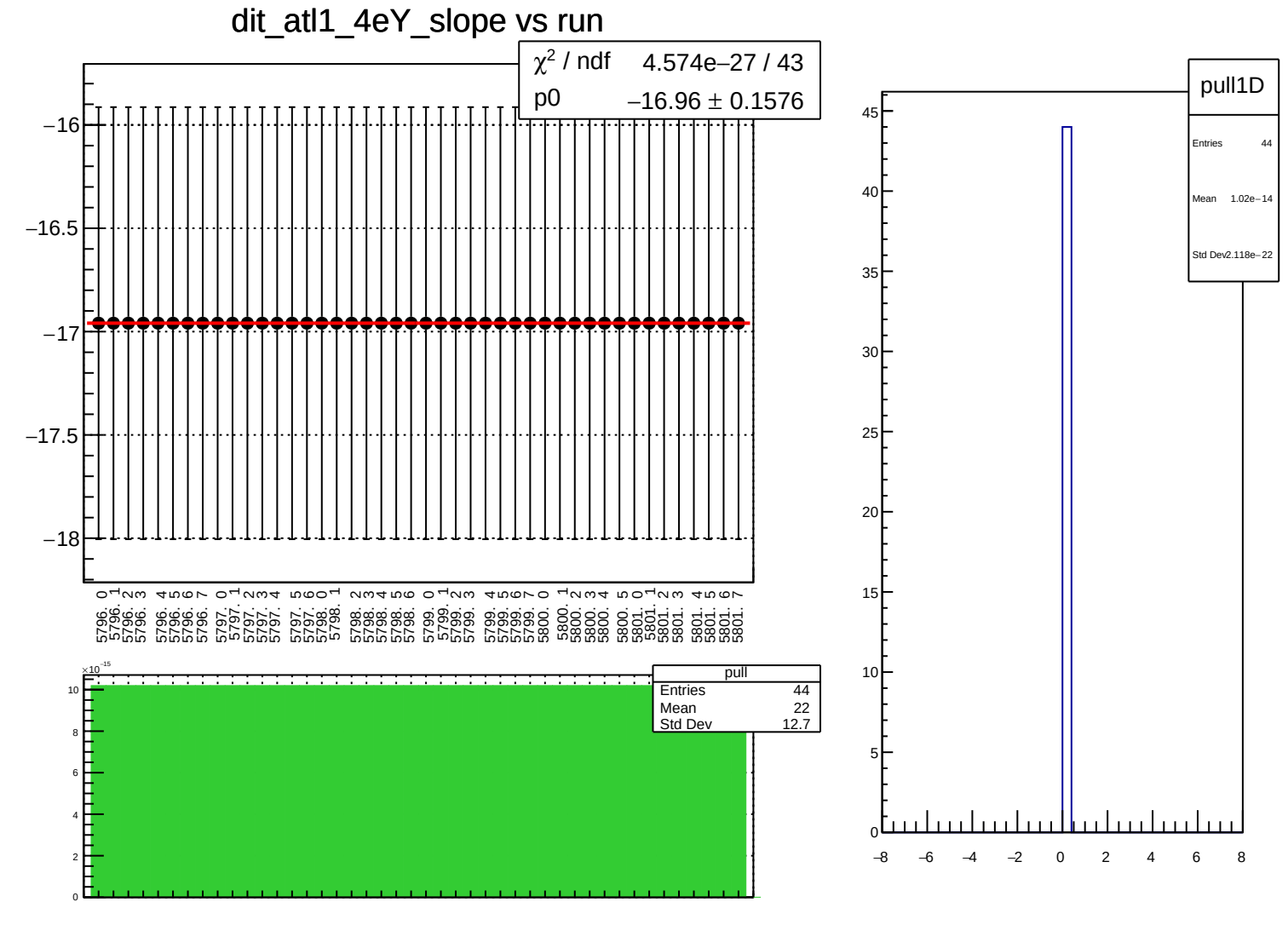

dit_usr_4eY_slope vs run
χ² / ndf 8.574e−27 / 43
p0 18.12 ± 0.1151
19
18.8
18.6
18.4
18.2
18
17.8
17.6
17.4
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −1.396e−14
Std Dev 5.603e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

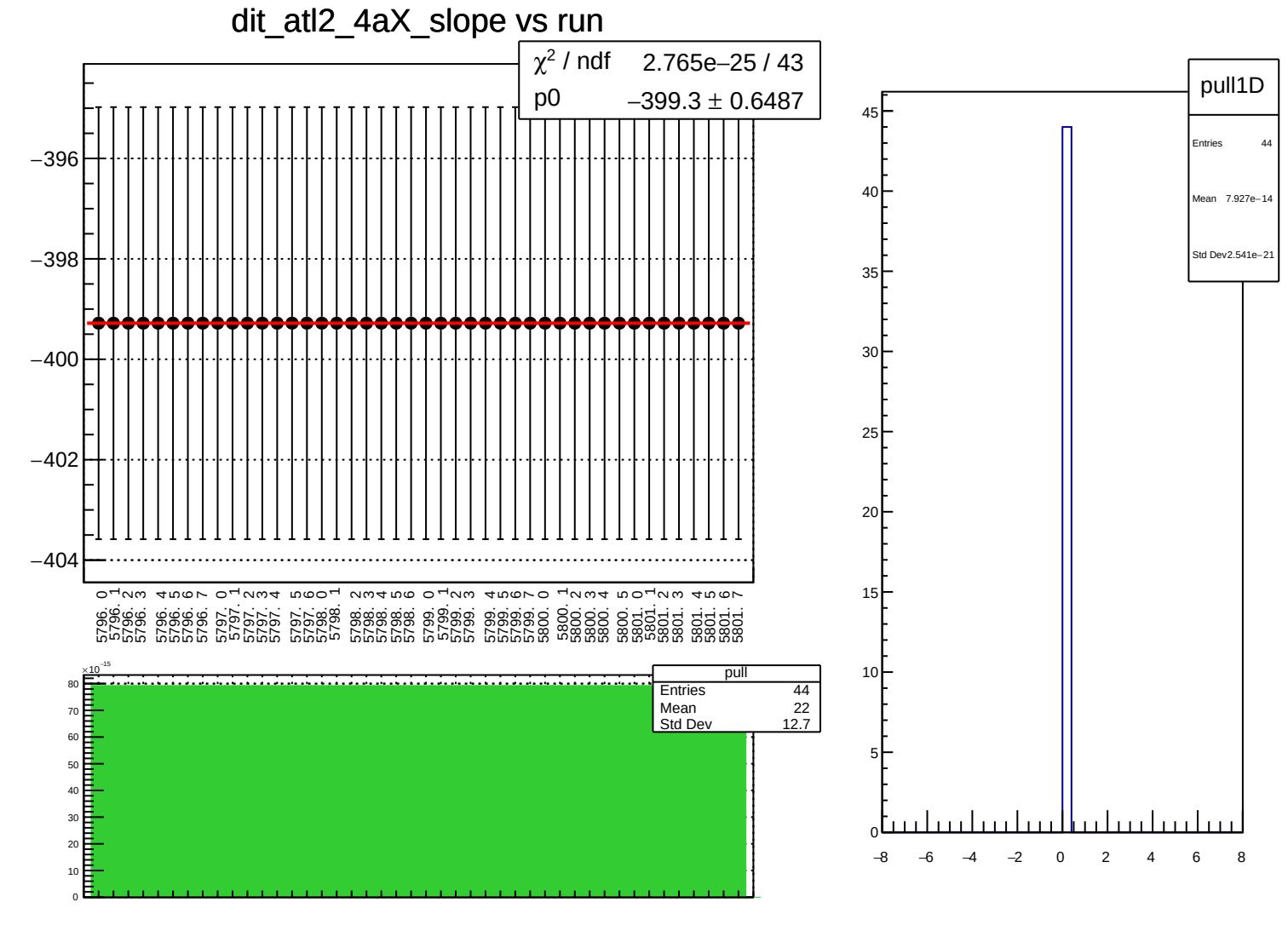

dit_atl1_4aX_slope vs run
χ² / ndf 2.609e−26 / 43
p0 −95.55 ± 0.5278
−92
−93
−94
−95
−96
−97
−98
−99
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 2.435e−14
Std Dev4.235e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

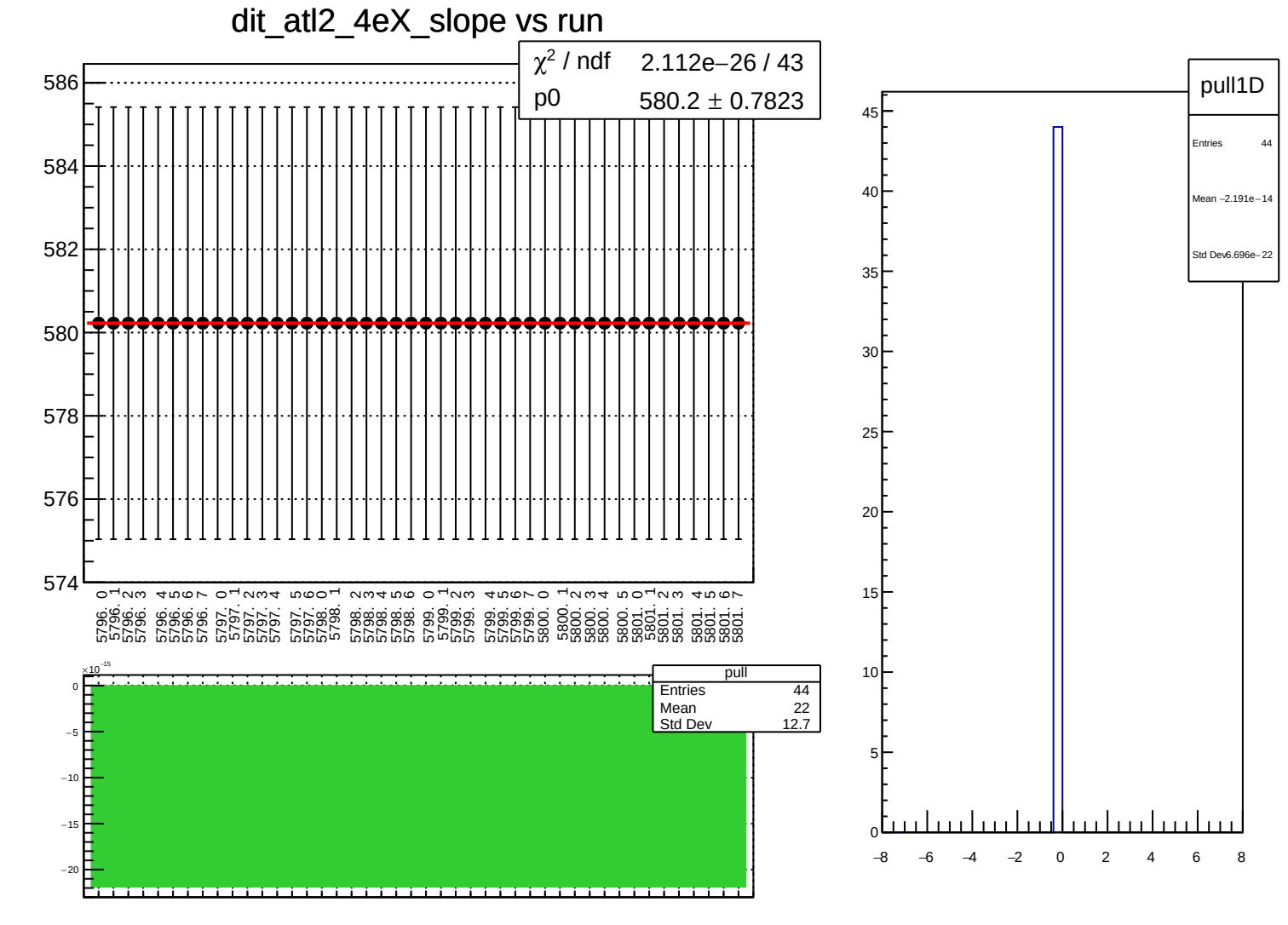

dit_atl1_4eX_slope vs run
χ² / ndf 0 / 43
p0 221.2 ± 0.7372
226
224
222
220
218
216
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

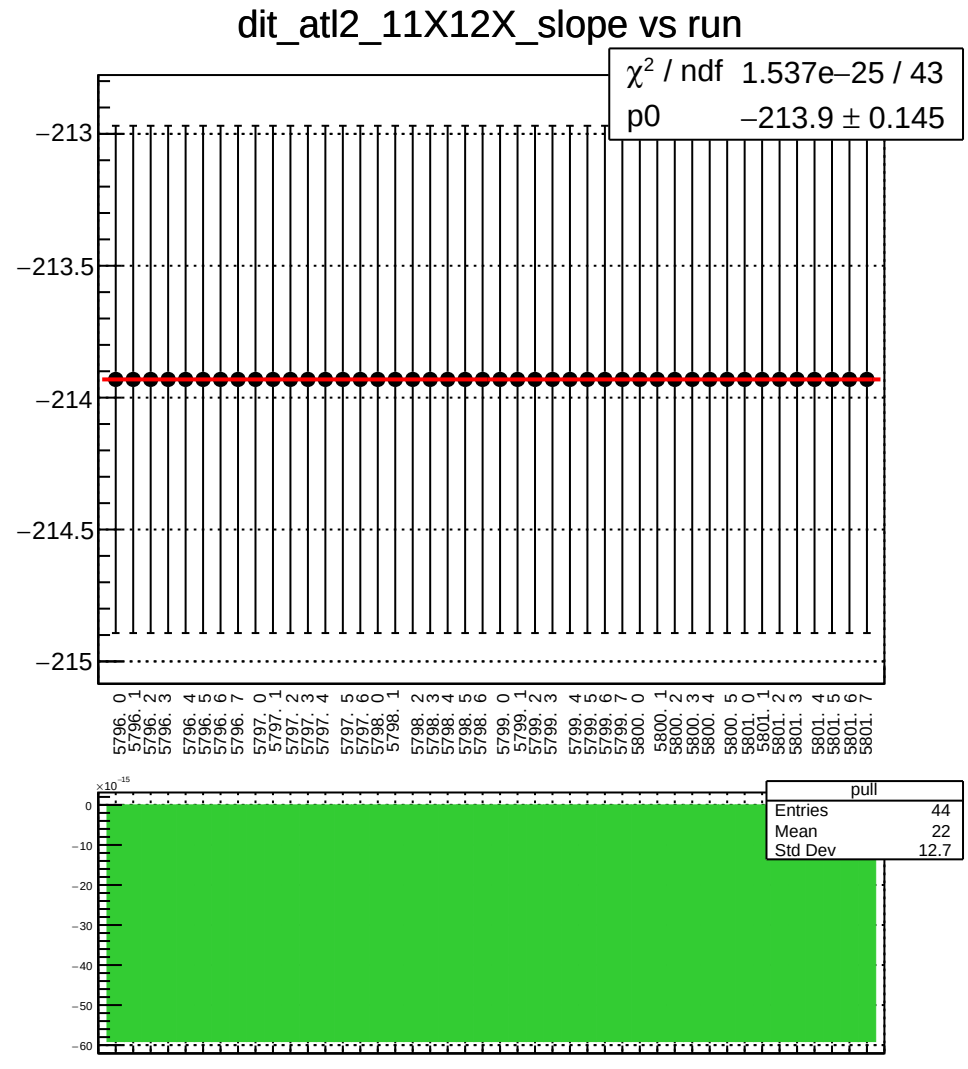

dit_atl1_11X12X_slope vs run
χ² / ndf 0 / 43
p0 −53.44 ± 0.1208
−52.6
−52.8
−53
−53.2
−53.4
−53.6
−53.8
−54
−54.2
−54.4
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

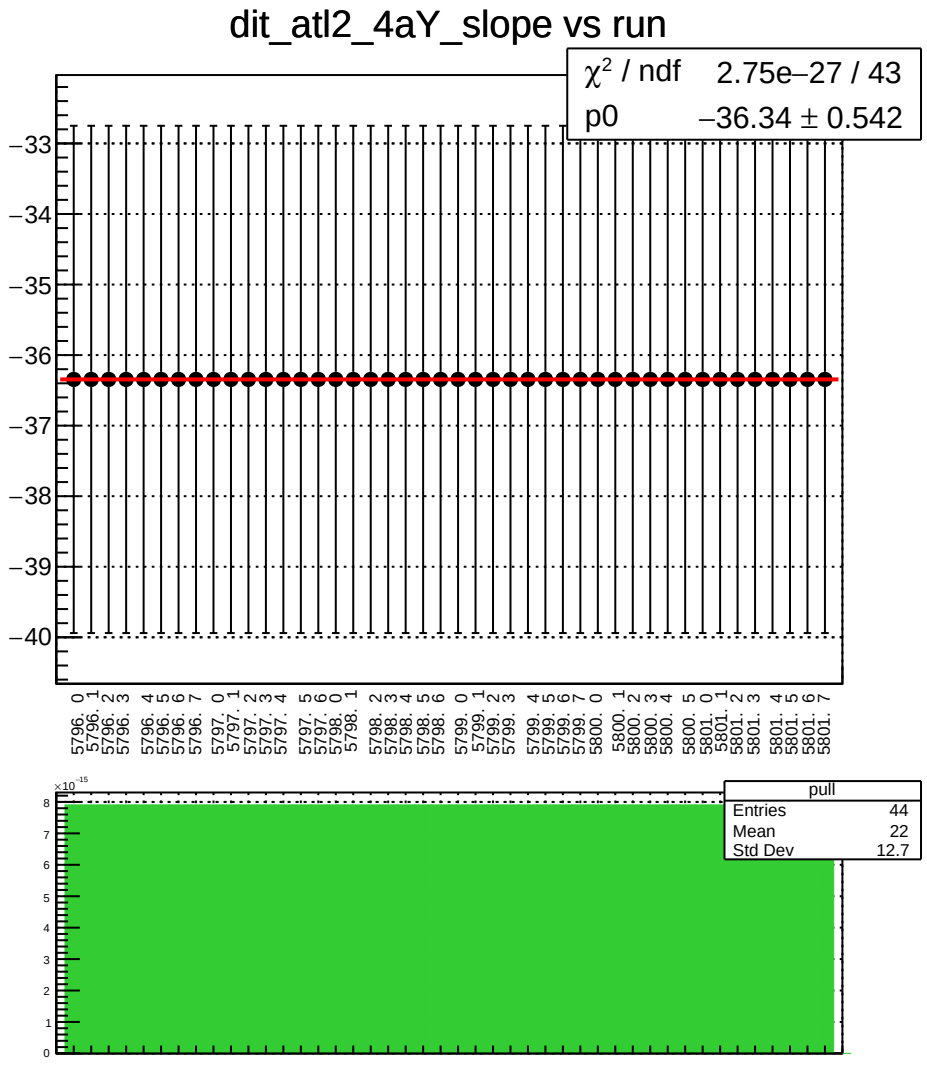

dit_atl1_4aY_slope vs run
χ² / ndf 9.288e−27 / 43
p0 7.613 ± 0.1014
8.4
8.2
8
7.8
7.6
7.4
7.2
7
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −1.453e−14
Std Dev4.735e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

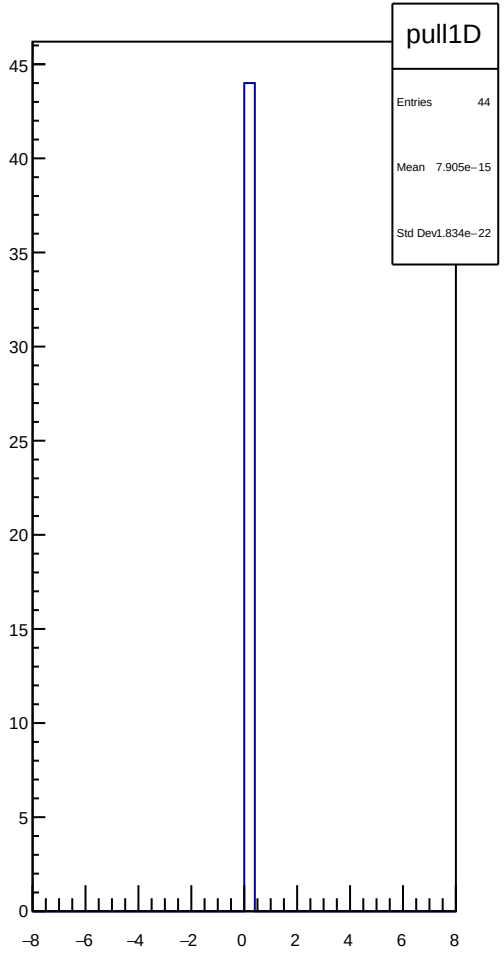

dit_atl1_4eY_slope vs run
χ² / ndf 4.574e−27 / 43
p0 −16.96 ± 0.1576
−16
−16.5
−17
−17.5
−18
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 1.02e−14
Std Dev2.118e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

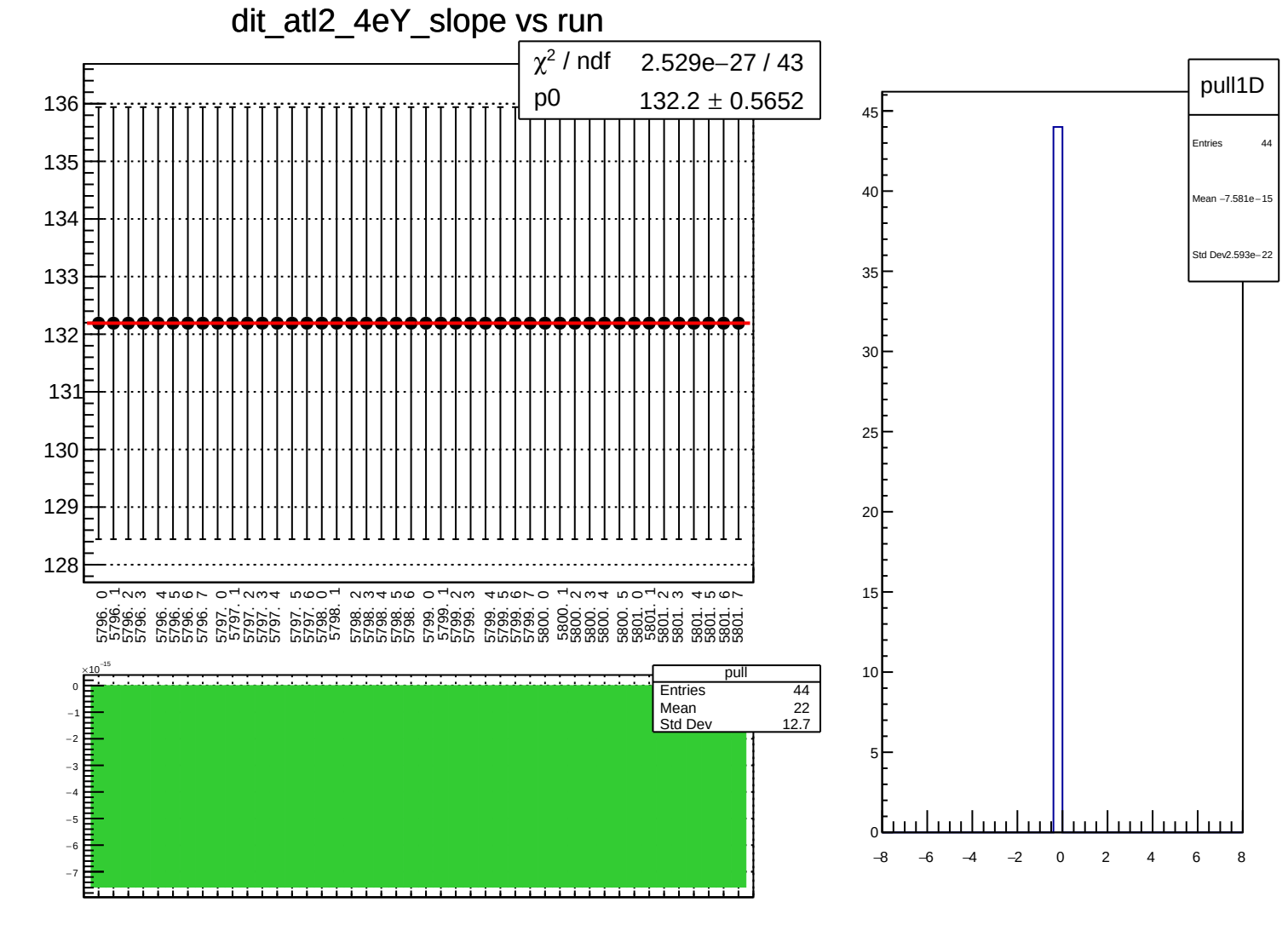

dit_atl2_4aX_slope vs run
χ² / ndf 2.765e−25 / 43
p0 −399.3 ± 0.6487
−396
−398
−400
−402
−404
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 7.927e−14
Std Dev2.541e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

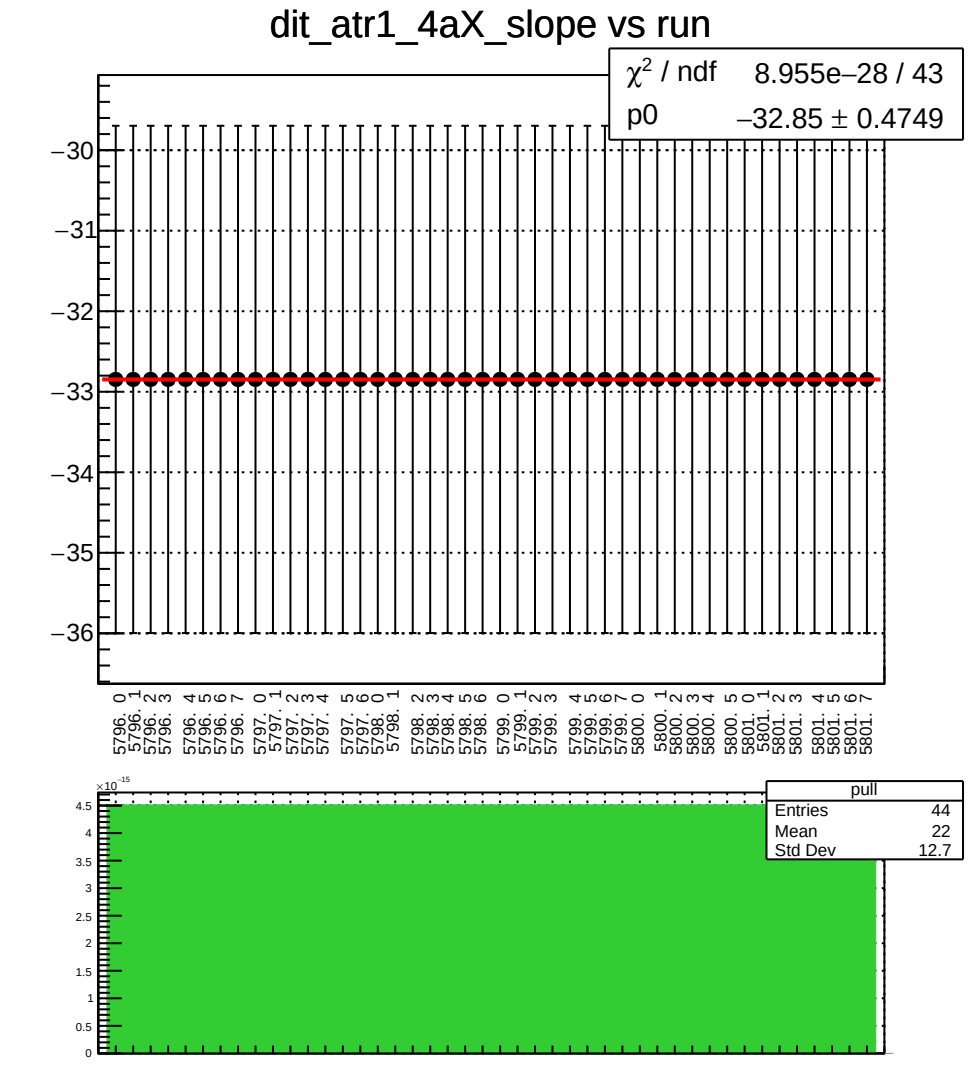

dit_atl2_4eX_slope vs run
χ² / ndf 2.112e−26 / 43
p0 580.2 ± 0.7823
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −2.191e−14
Std Dev 6.696e−22

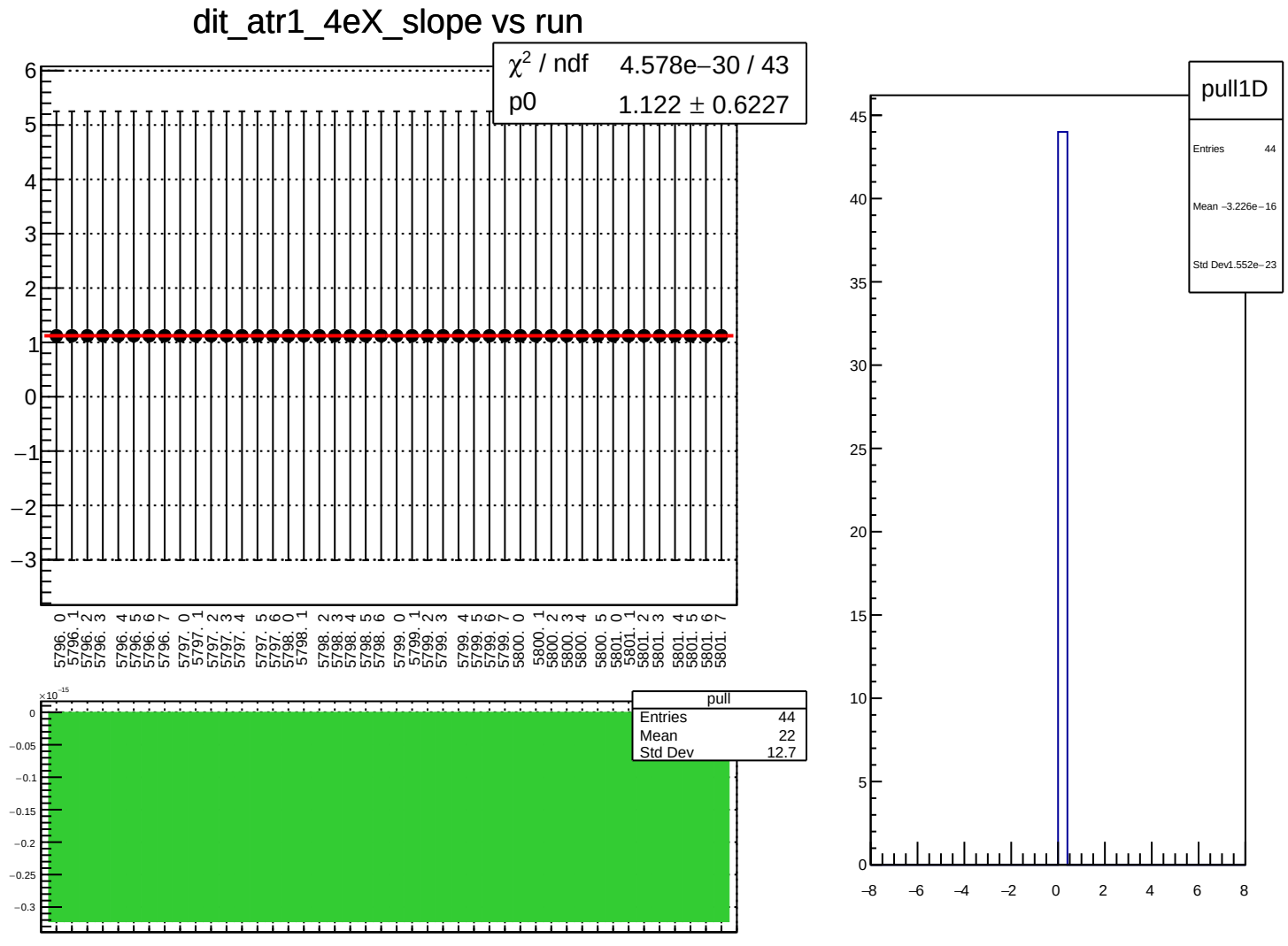

dit_atl2_11X12X_slope vs run
χ² / ndf 1.537e−25 / 43
p0 −213.9 ± 0.145
−213
−213.5
−214
−214.5
−215
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −5.911e−14
Std Dev1.198e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

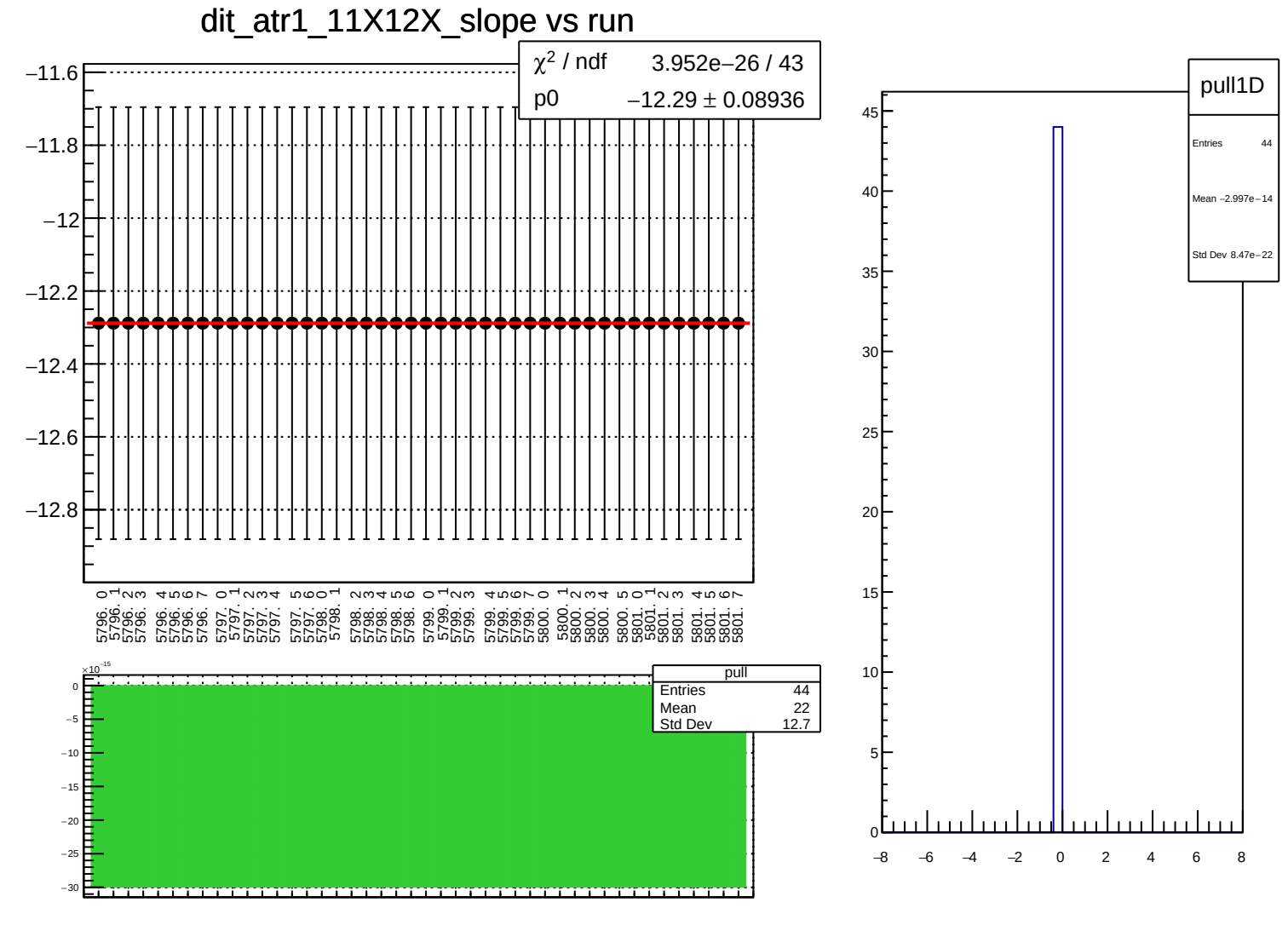

dit_atl2_4aY_slope vs run
χ² / ndf 2.75e−27 / 43
p0 −36.34 ± 0.542
−33
−34
−35
−36
−37
−38
−39
−40
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
pull
Entries 44
Mean 22
Std Dev 12.7

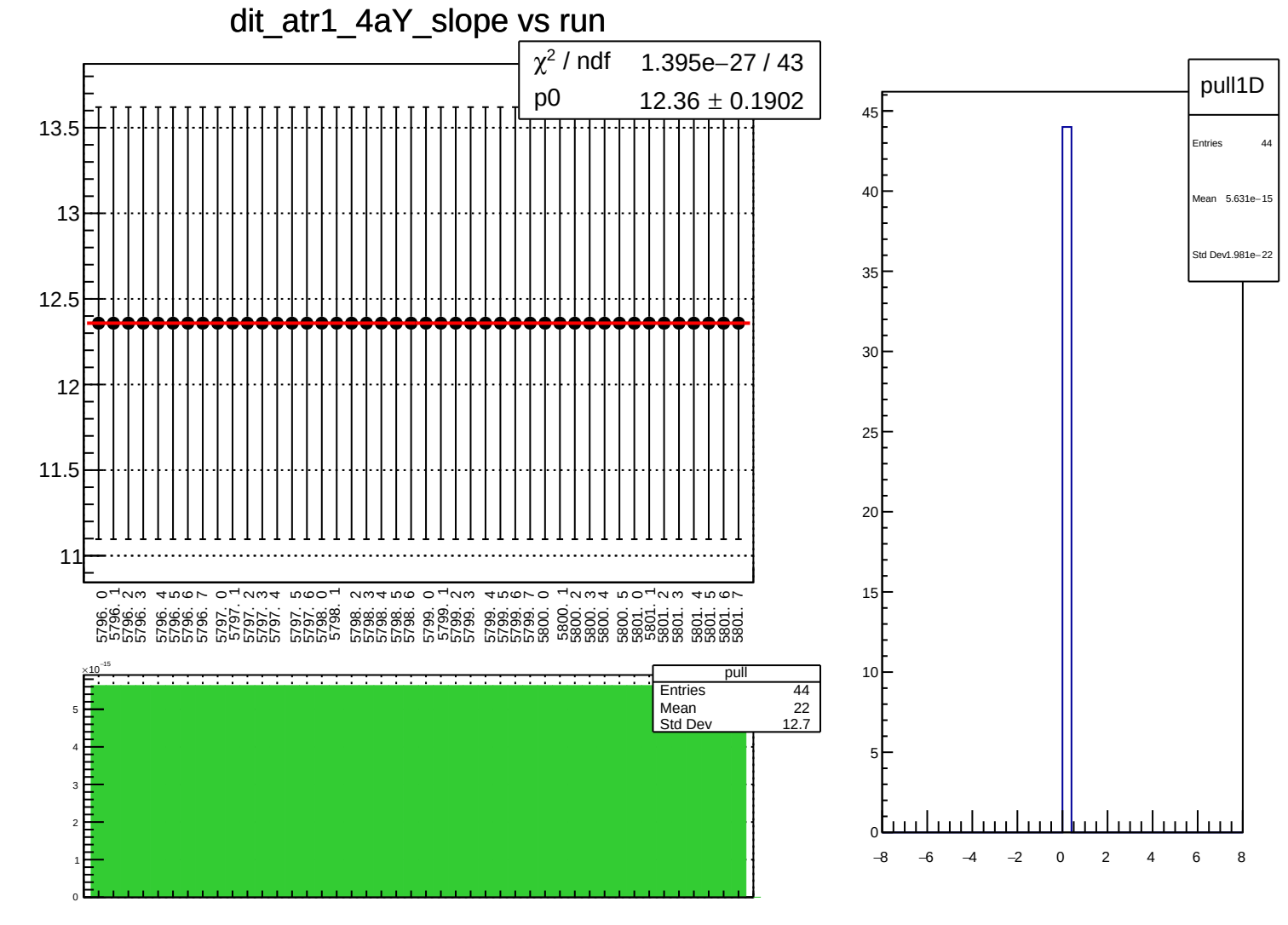

pull1D
Entries 44
Mean 7.905e−15
Std Dev1.834e−22

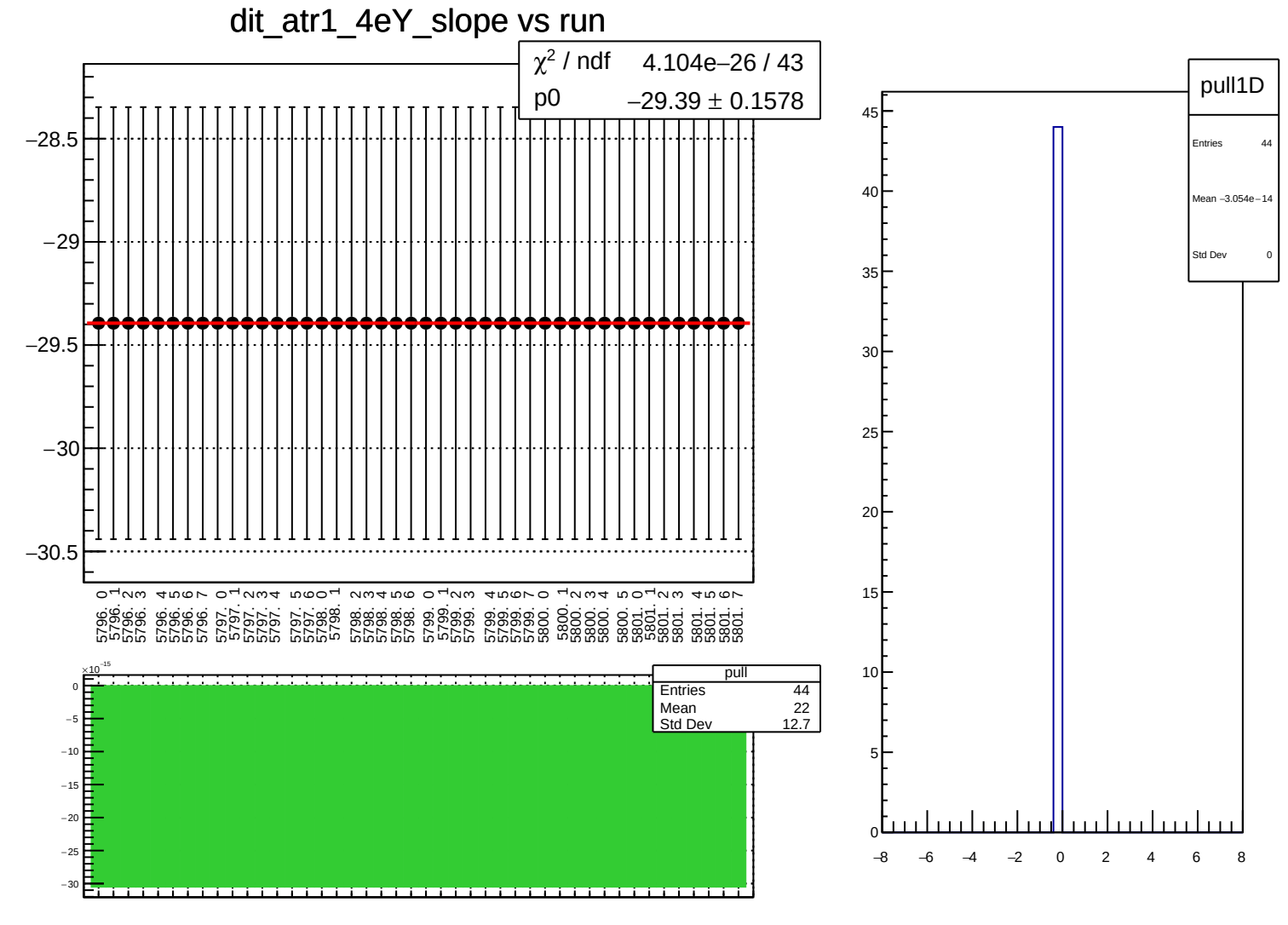

dit_atl2_4eY_slope vs run
χ² / ndf 2.529e−27 / 43
p0 132.2 ± 0.5652
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −7.581e−15
Std Dev 2.593e−22

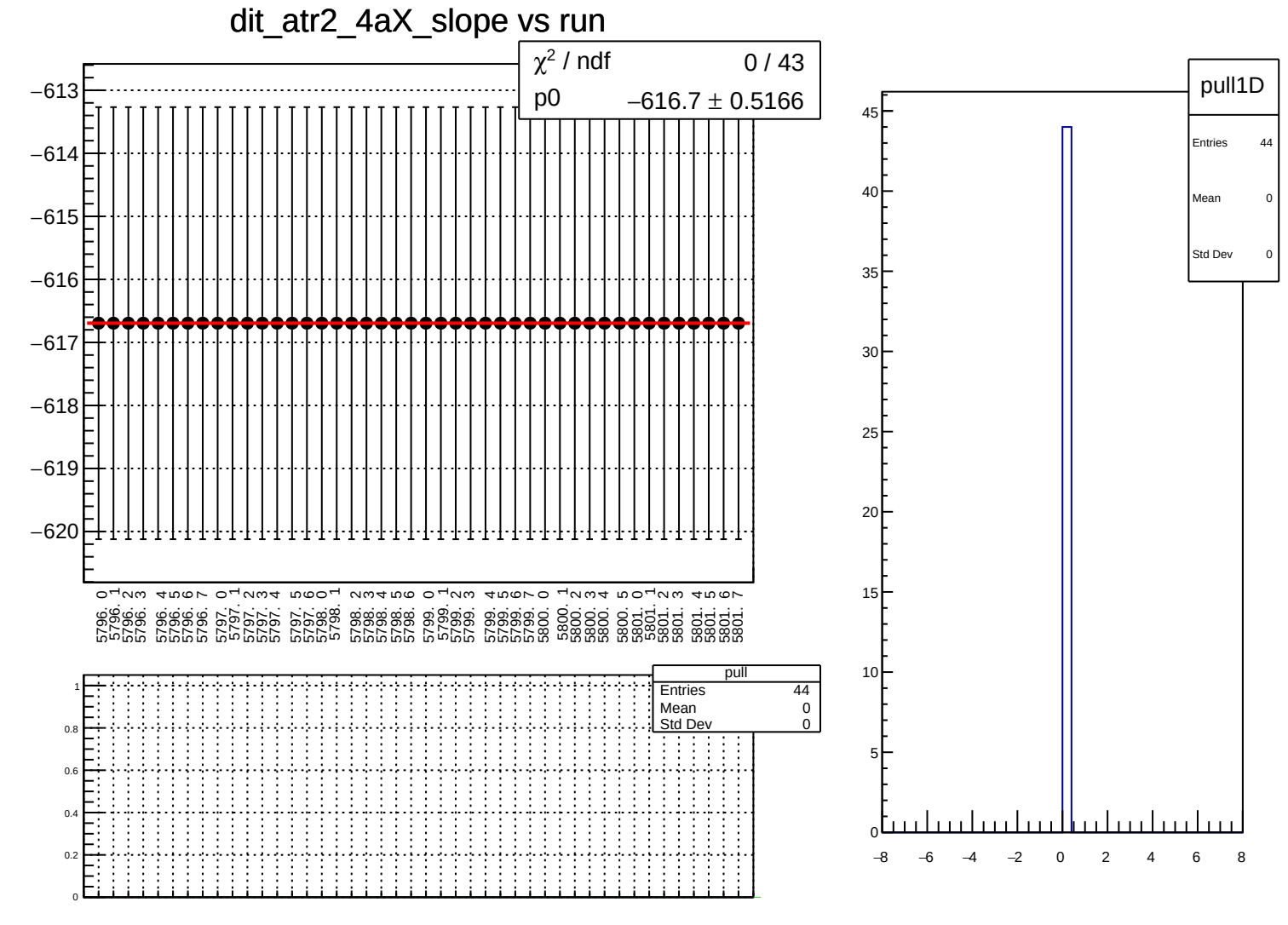

dit_atr1_4aX_slope vs run
χ² / ndf 8.955e−28 / 43
p0 −32.85 ± 0.4749
−30
−31
−32
−33
−34
−35
−36
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 4.511e−15
Std Dev 2.368e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

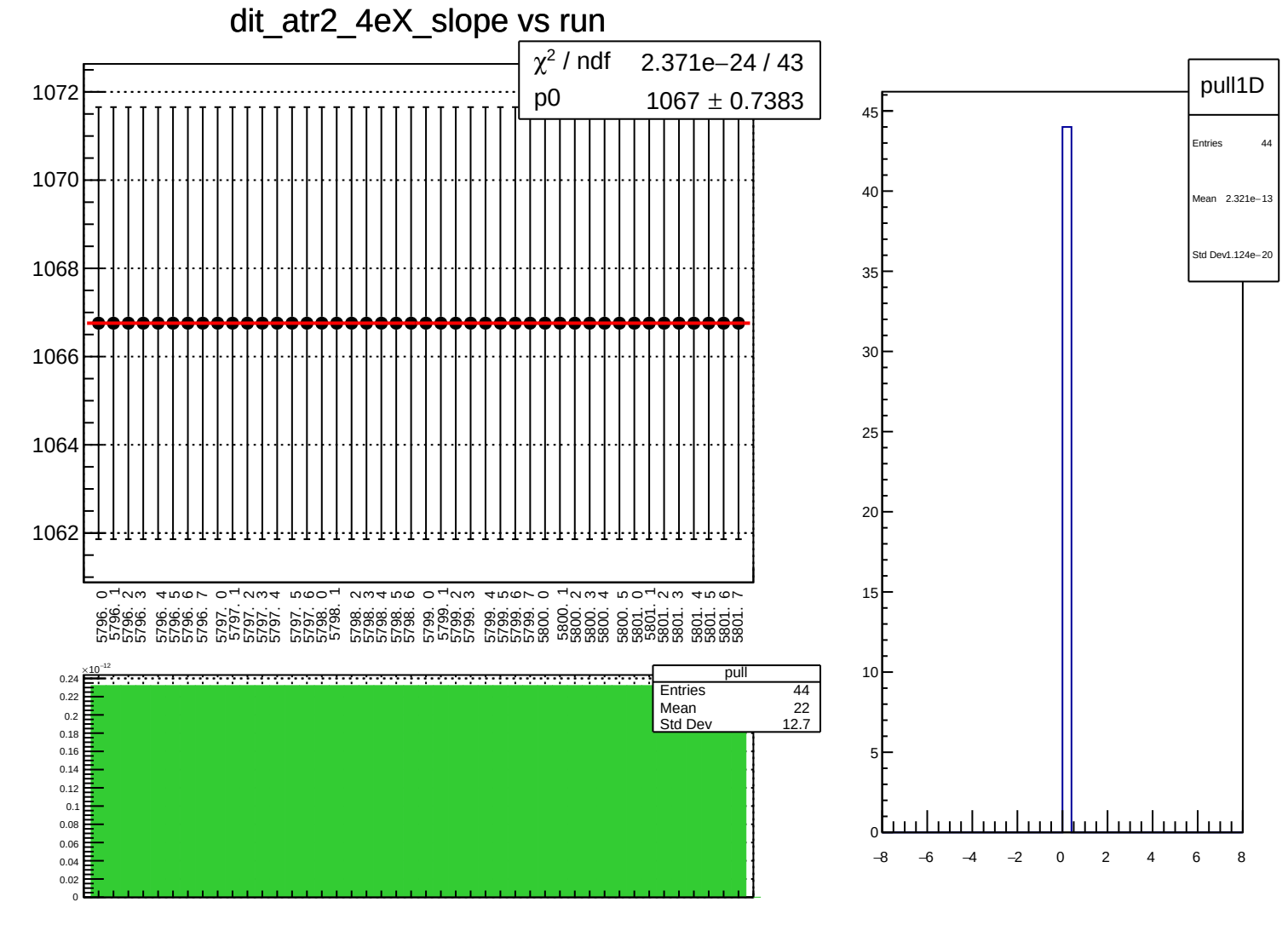

dit_atr1_4eX_slope vs run
χ² / ndf 4.578e−30 / 43
p0 1.122 ± 0.6227
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −3.226e−16
Std Dev1.552e−23

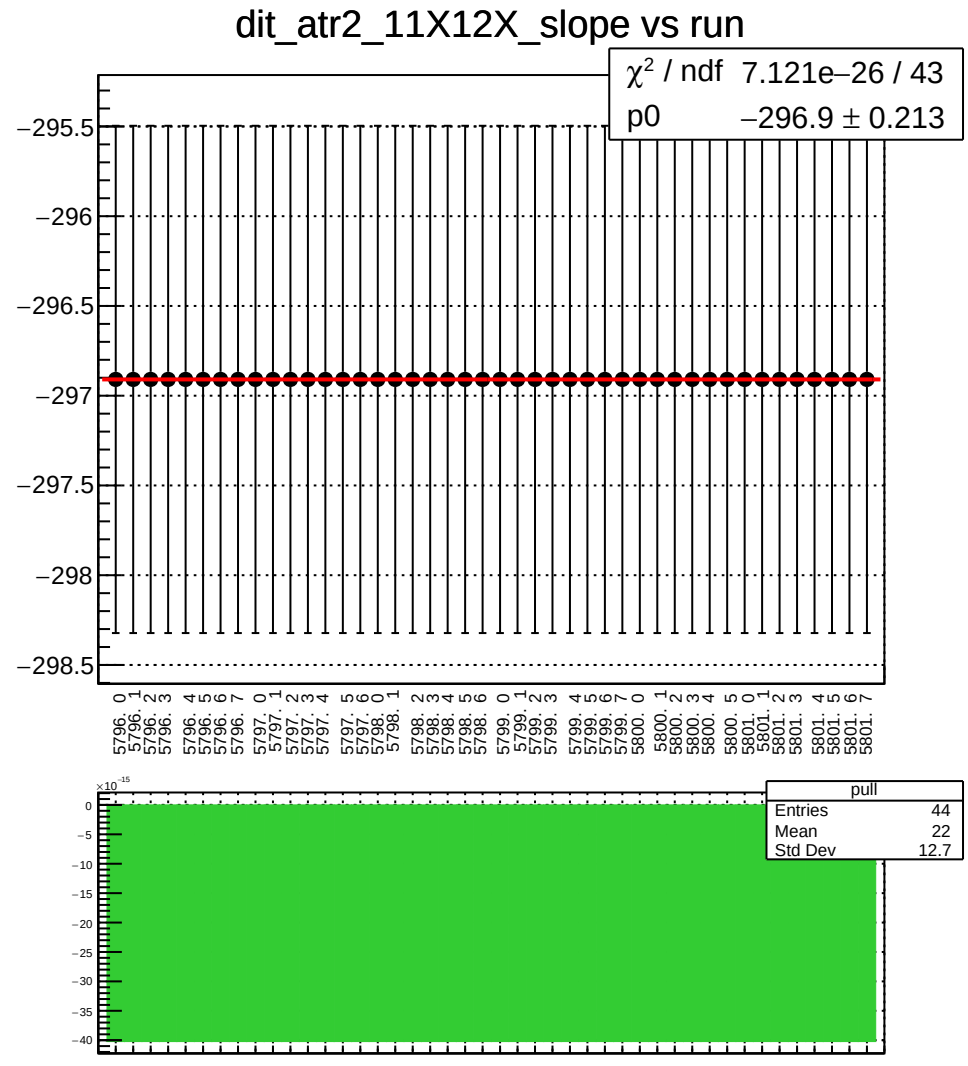

dit_atr1_11X12X_slope vs run
χ² / ndf 3.952e−26 / 43
p0 −12.29 ± 0.08936
−11.6
−11.8
−12
−12.2
−12.4
−12.6
−12.8
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −2.997e−14
Std Dev 8.47e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

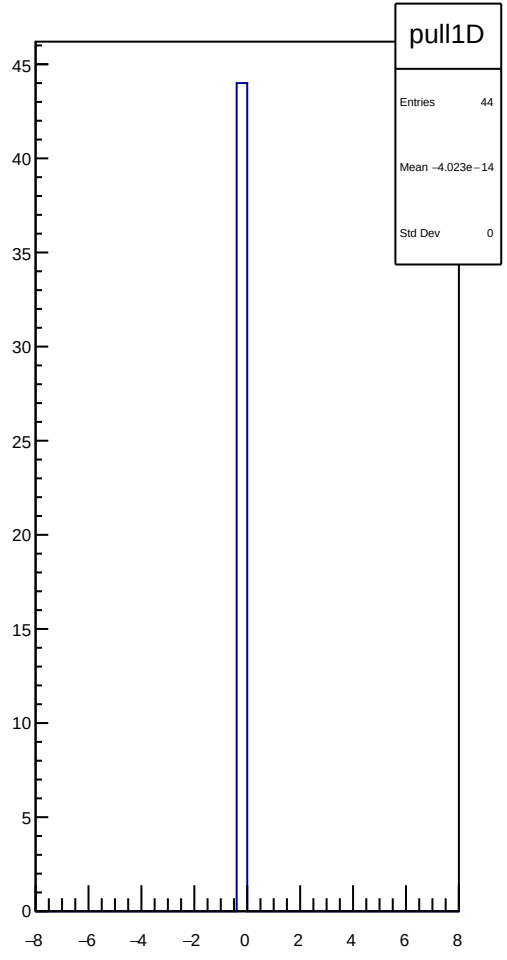

dit_atr1_4aY_slope vs run
χ² / ndf 1.395e−27 / 43
p0 12.36 ± 0.1902
13.5
13
12.5
12
11.5
11
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
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5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 5.631e−15
Std Dev1.981e−22

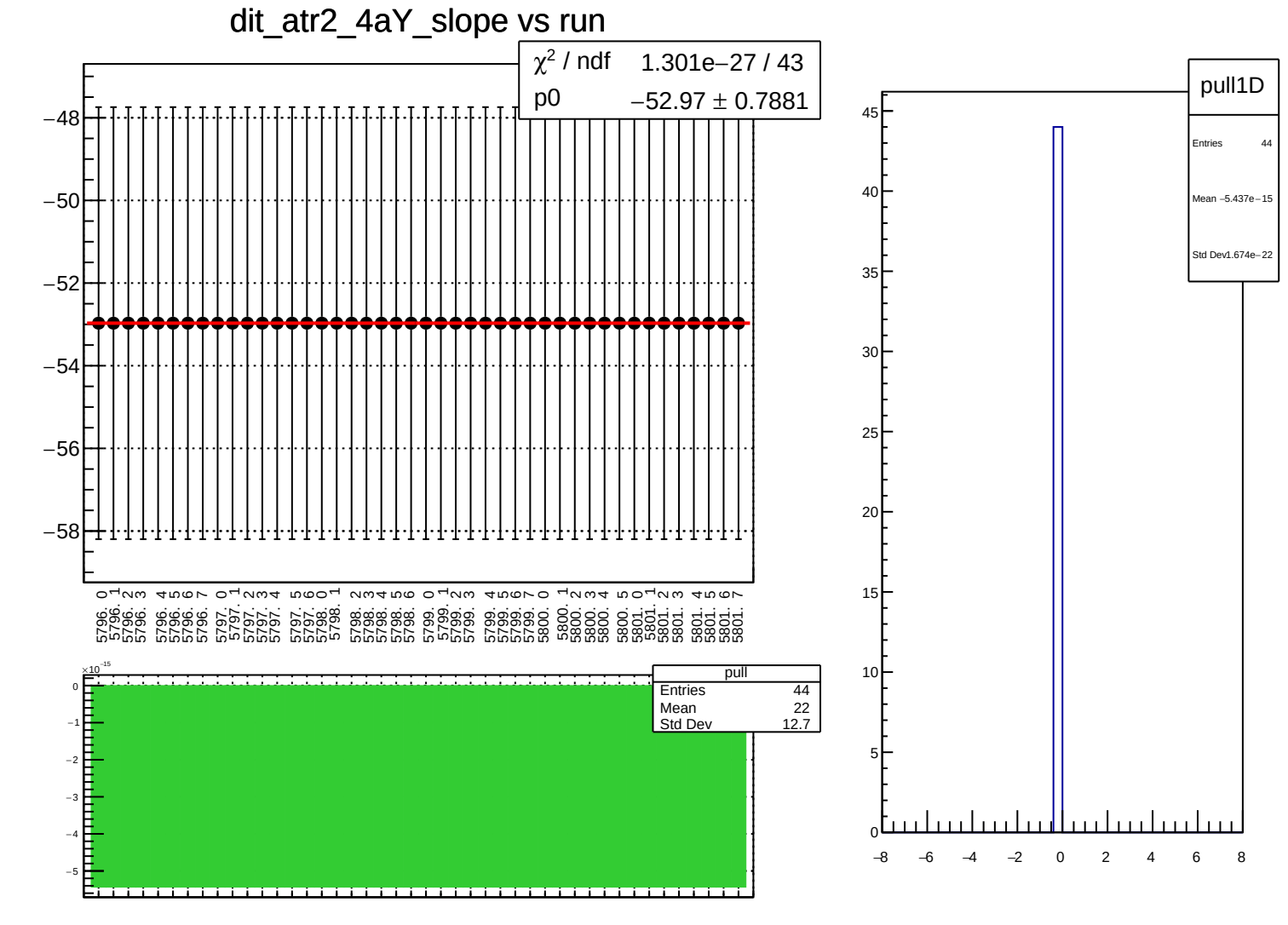

dit_atr1_4eY_slope vs run
χ² / ndf 4.104e−26 / 43
p0 −29.39 ± 0.1578
−28.5
−29
−29.5
−30
−30.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −3.054e−14
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

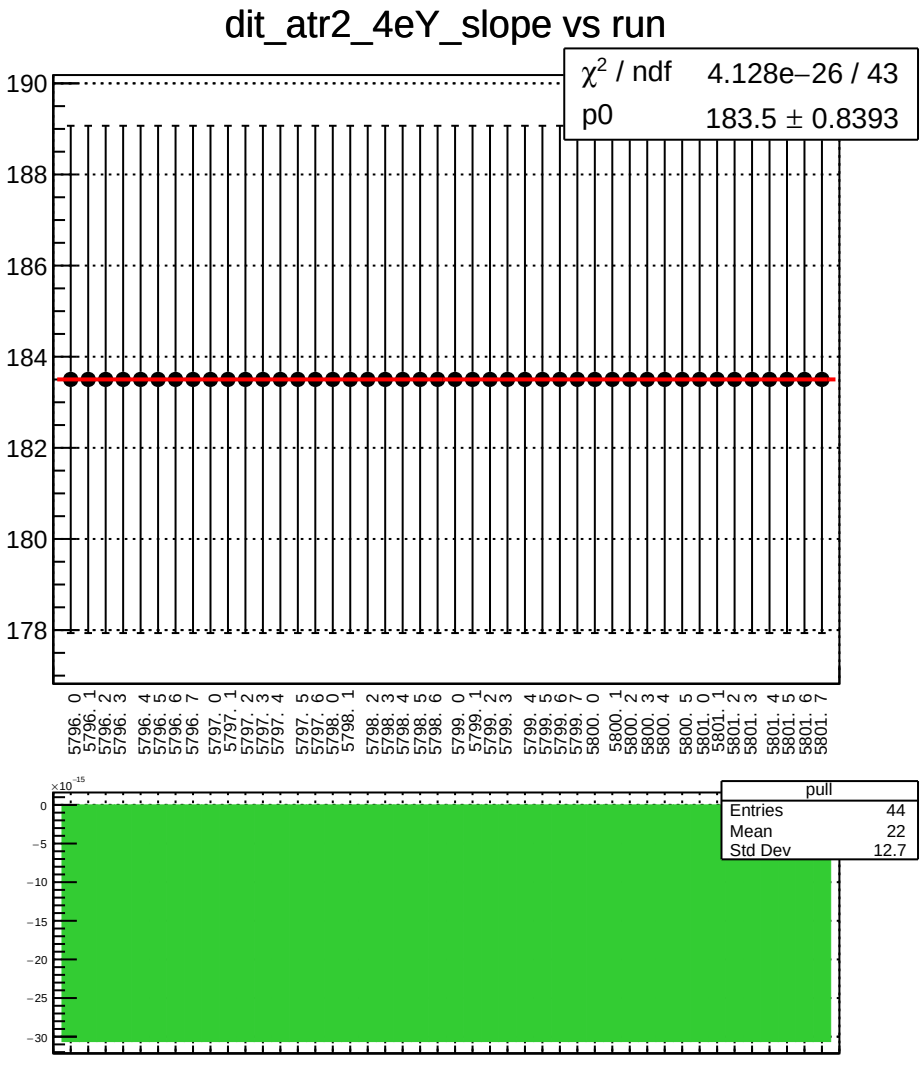

dit_atr2_4aX_slope vs run
χ² / ndf 0 / 43
p0 −616.7 ± 0.5166
−613
−614
−615
−616
−617
−618
−619
−620
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

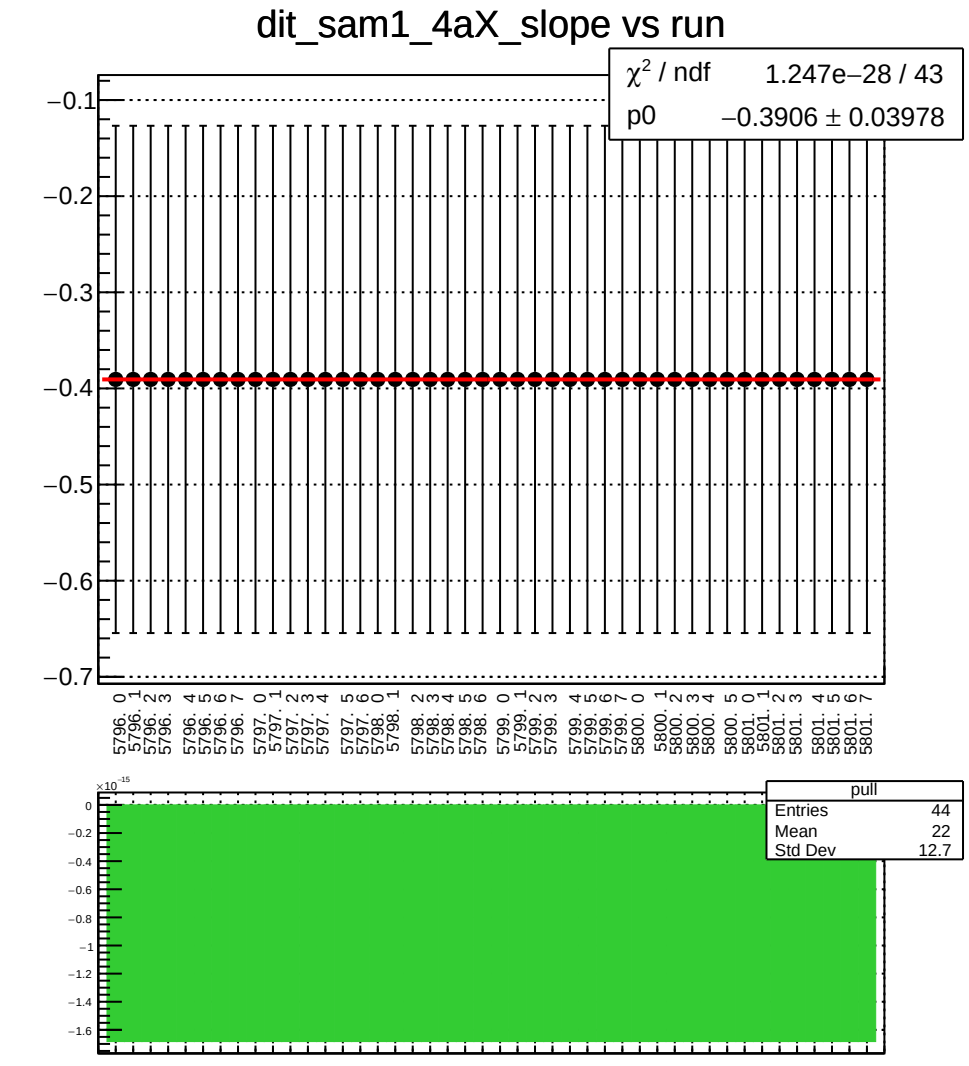

dit_atr2_4eX_slope vs run
χ^2 / ndf 2.371e−24 / 43
p0 1067 ± 0.7383
1072
1070
1068
1066
1064
1062
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 2.321e−13
Std Dev1.124e−20
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

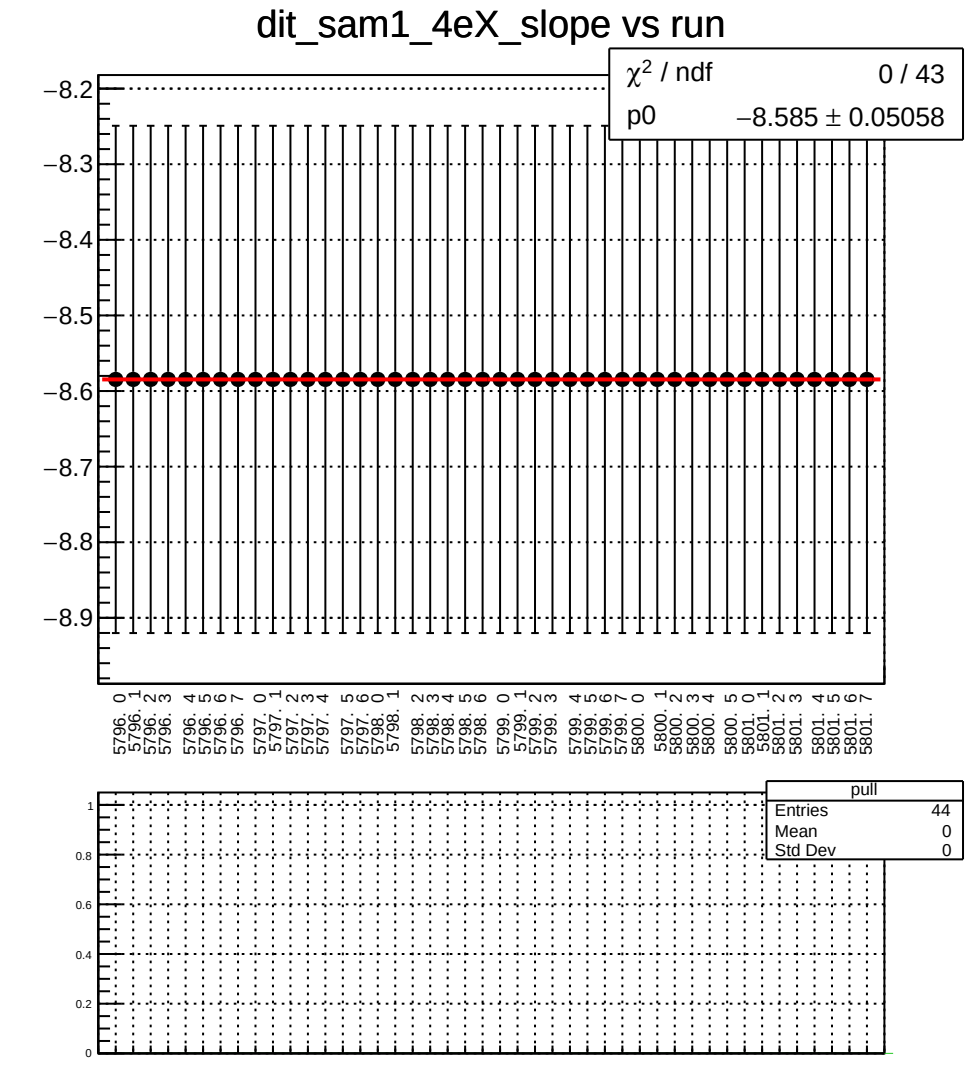

dit_atr2_11X12X_slope vs run
χ² / ndf 7.121e−26 / 43
p0 −296.9 ± 0.213
−295.5
−296
−296.5
−297
−297.5
−298
−298.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
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5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
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5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 44
Mean 22
Std Dev 12.7

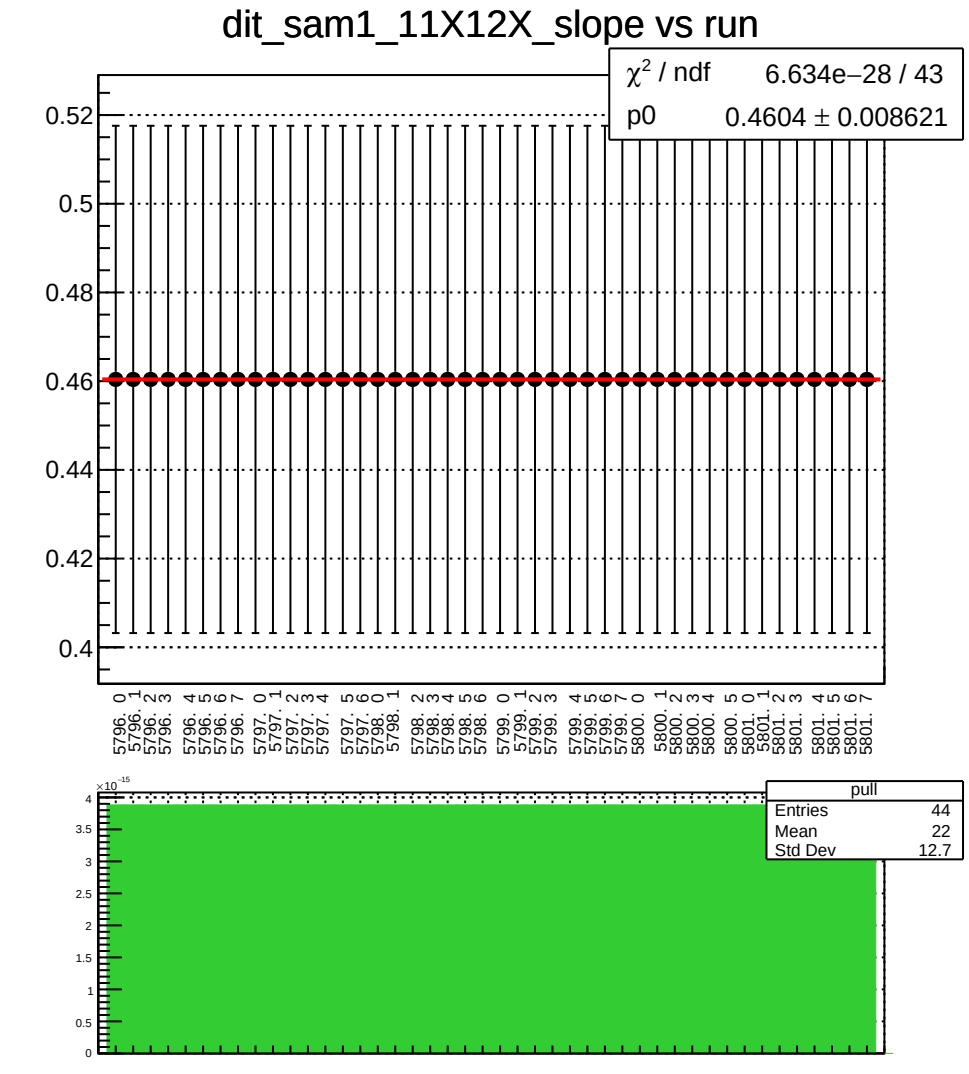

pull1D
Entries 44
Mean −4.023e−14
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

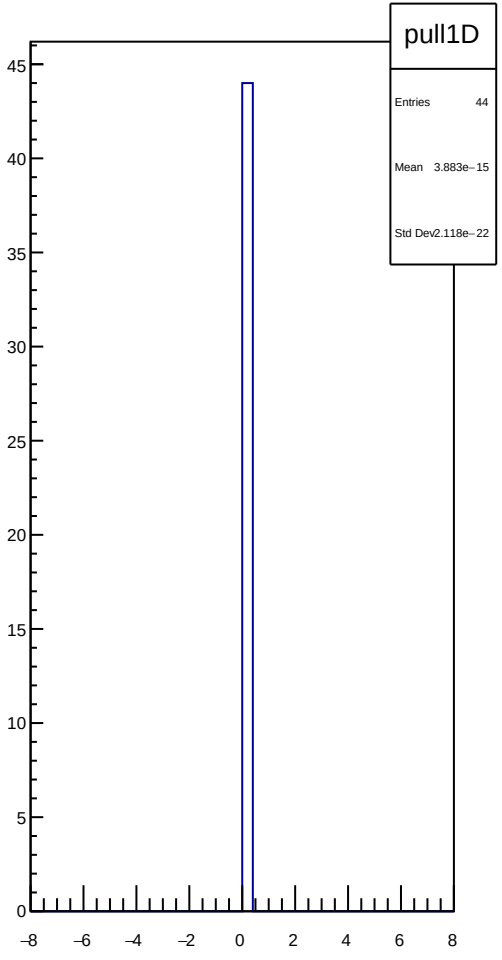

dit_atr2_4aY_slope vs run
χ² / ndf 1.301e−27 / 43
p0 −52.97 ± 0.7881
−48
−50
−52
−54
−56
−58
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
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5799. 5
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5799. 7
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5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −5.437e−15
Std Dev1.674e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

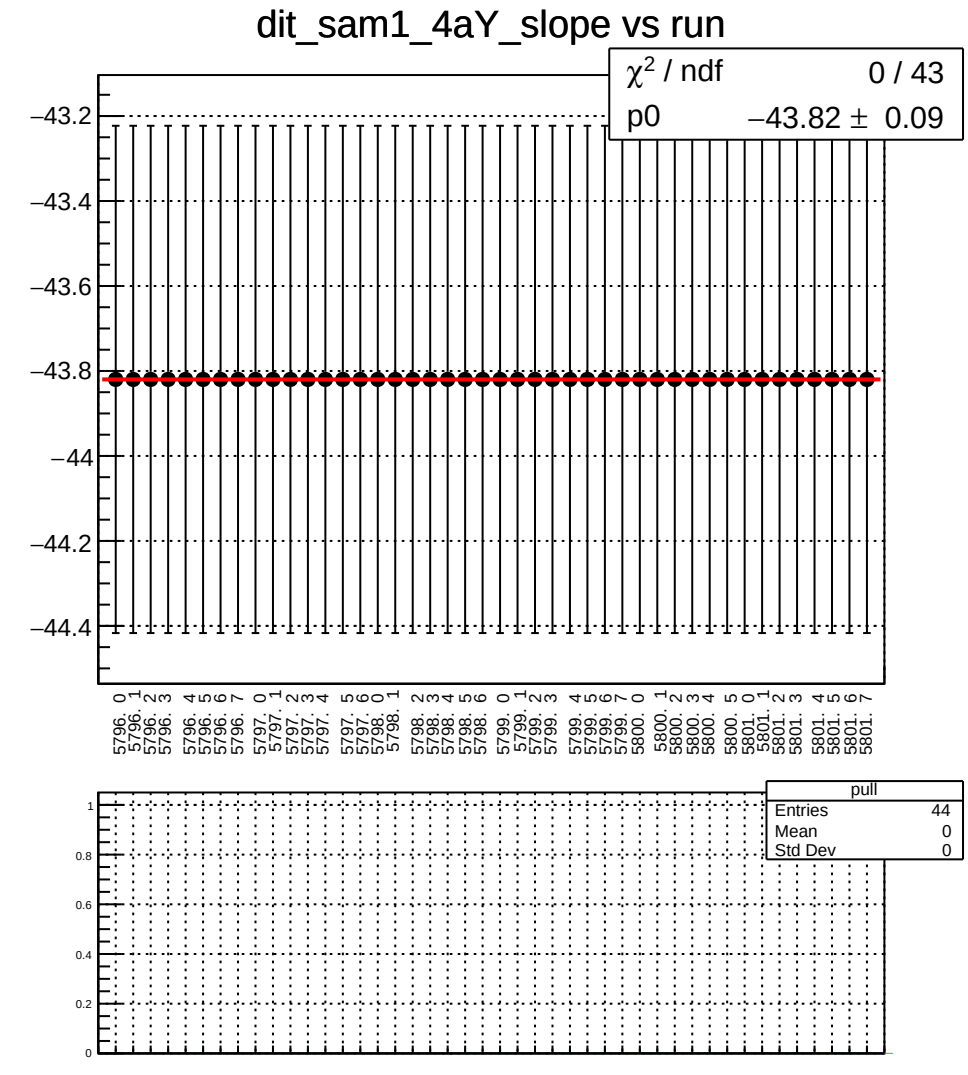

dit_atr2_4eY_slope vs run
χ² / ndf 4.128e−26 / 43
p0 183.5 ± 0.8393
190
188
186
184
182
180
178
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −3.063e−14
Std Dev1.405e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

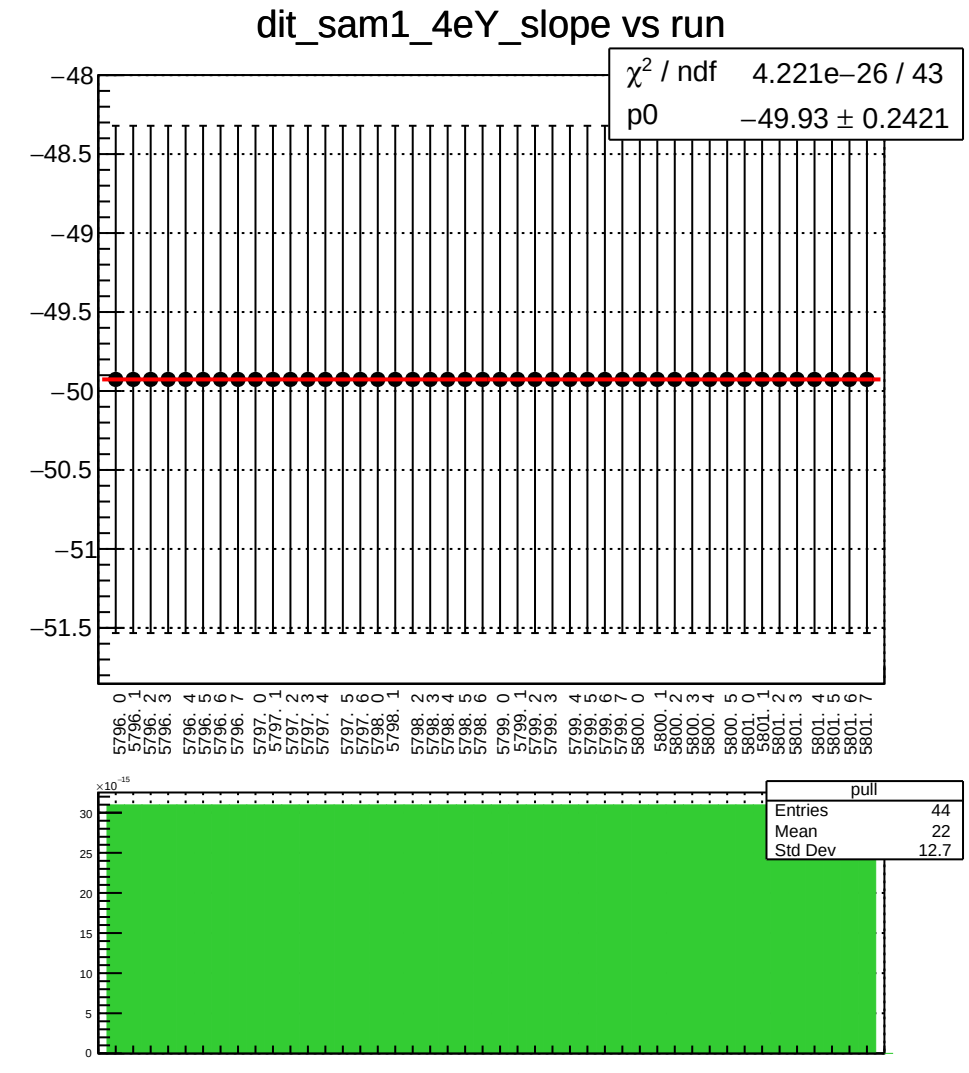

dit_sam1_4aX_slope vs run
χ² / ndf 1.247e−28 / 43
p0 −0.3906 ± 0.03978
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
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5798. 2
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5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
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5799. 6
5799. 7
5800. 0
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5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻�15
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −1.683e−15
Std Dev4.952e−23
45
40
35
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25
20
15
10
5
0
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−6
−4
−2
0
2
4
6
8

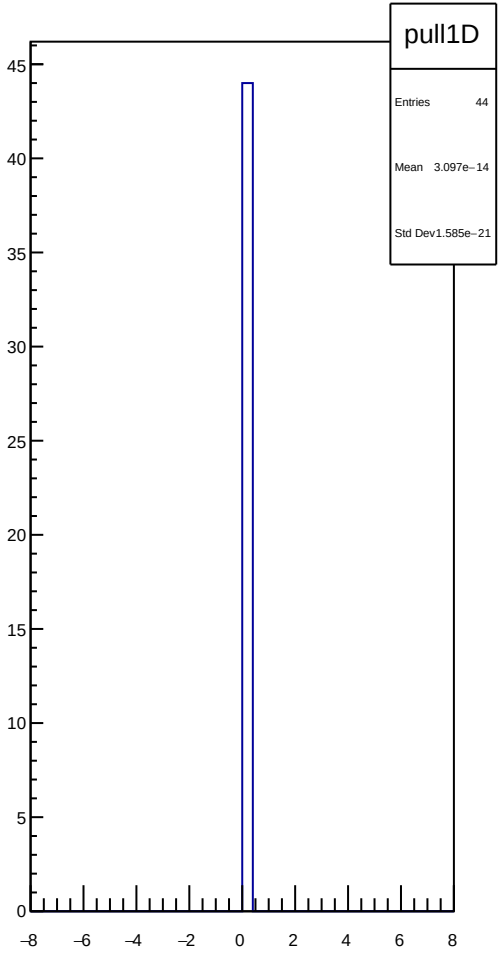

dit_sam1_4eX_slope vs run
χ² / ndf 0 / 43
p0 −8.585 ± 0.05058
−8.2
−8.3
−8.4
−8.5
−8.6
−8.7
−8.8
−8.9
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
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5798. 2
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5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

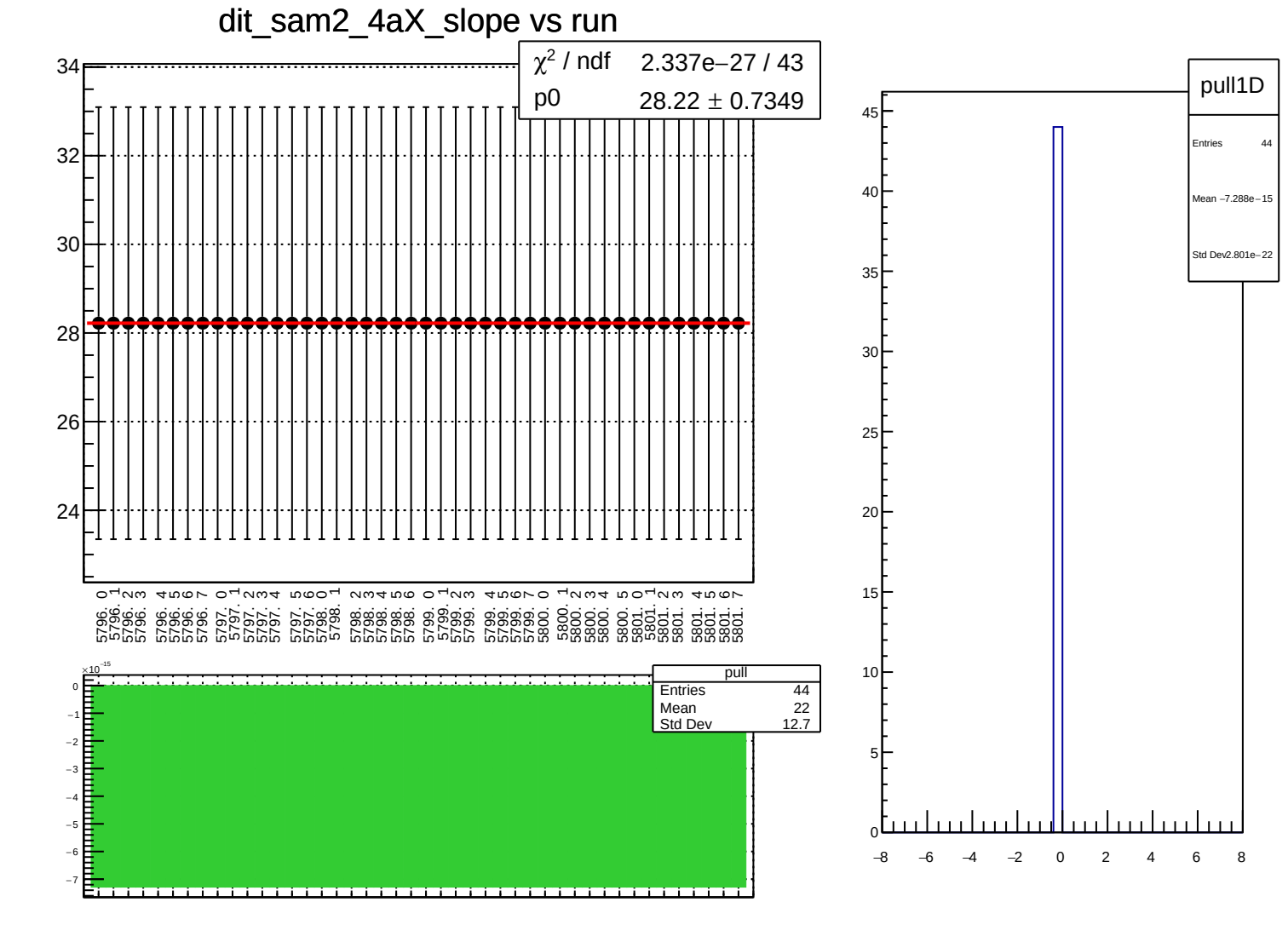

dit_sam1_11X12X_slope vs run
χ² / ndf 6.634e−28 / 43
p0 0.4604 ± 0.008621
0.52
0.5
0.48
0.46
0.44
0.42
0.4
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 44
Mean 22
Std Dev 12.7

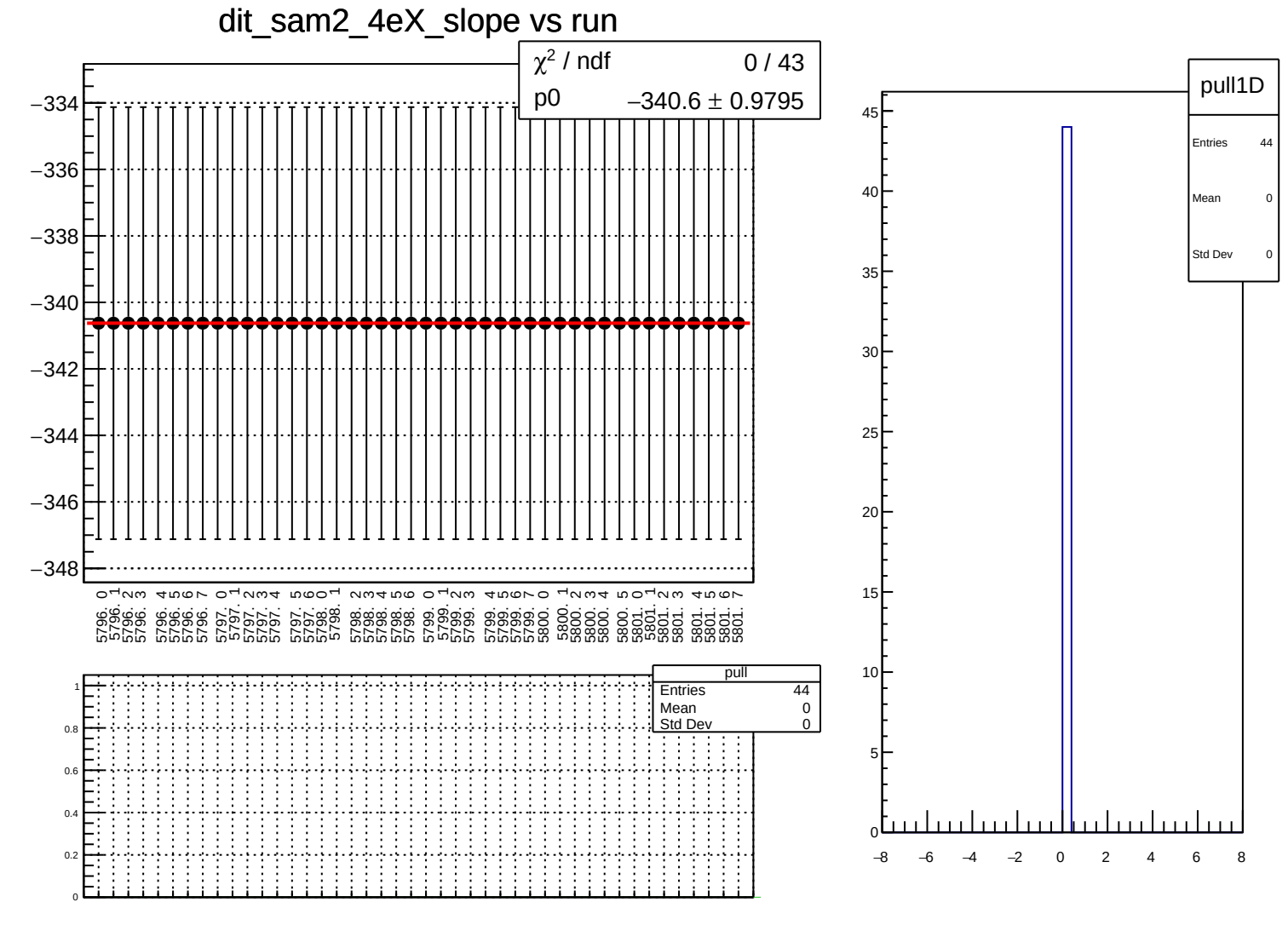

pull1D
Entries 44
Mean 3.883e−15
Std Dev2.118e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

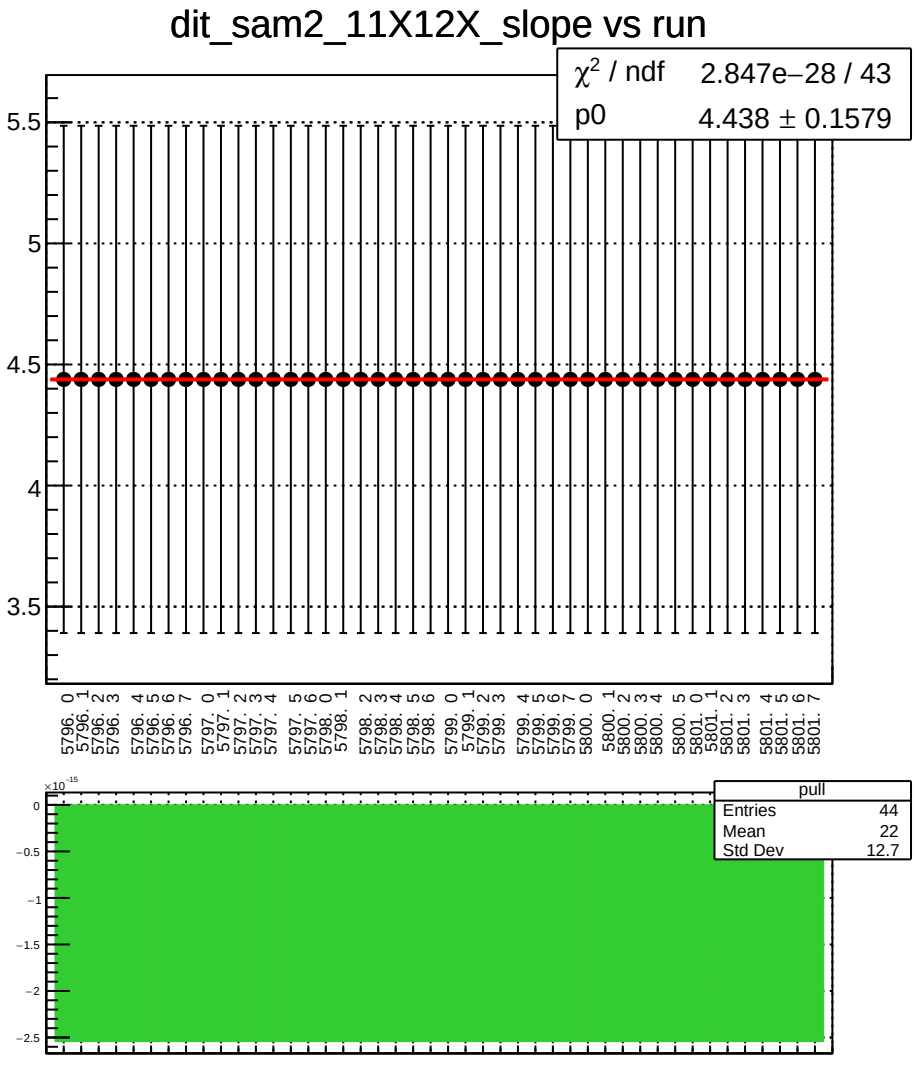

dit_sam1_4aY_slope vs run
χ² / ndf 0 / 43
p0 −43.82 ± 0.09
−43.2
−43.4
−43.6
−43.8
−44
−44.2
−44.4
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

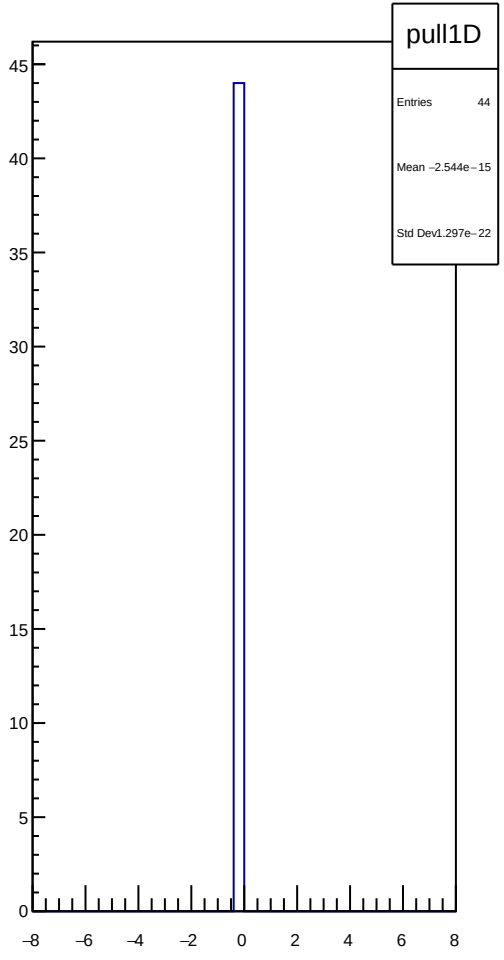

dit_sam1_4eY_slope vs run
χ² / ndf 4.221e−26 / 43
p0 −49.93 ± 0.2421
−48
−48.5
−49
−49.5
−50
−50.5
−51
−51.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 44
Mean 22
Std Dev 12.7

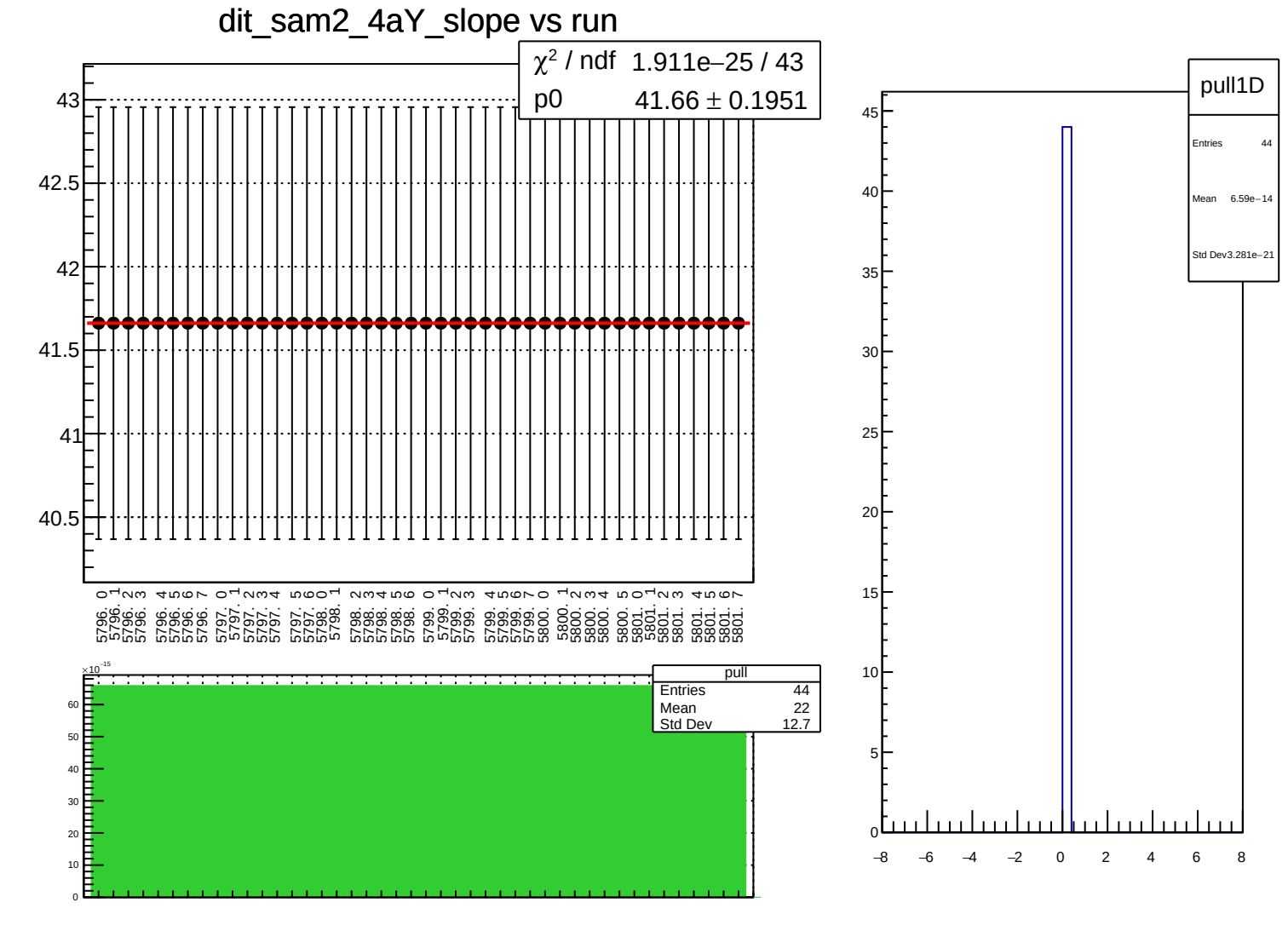

pull1D
Entries 44
Mean 3.097e−14
Std Dev1.585e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

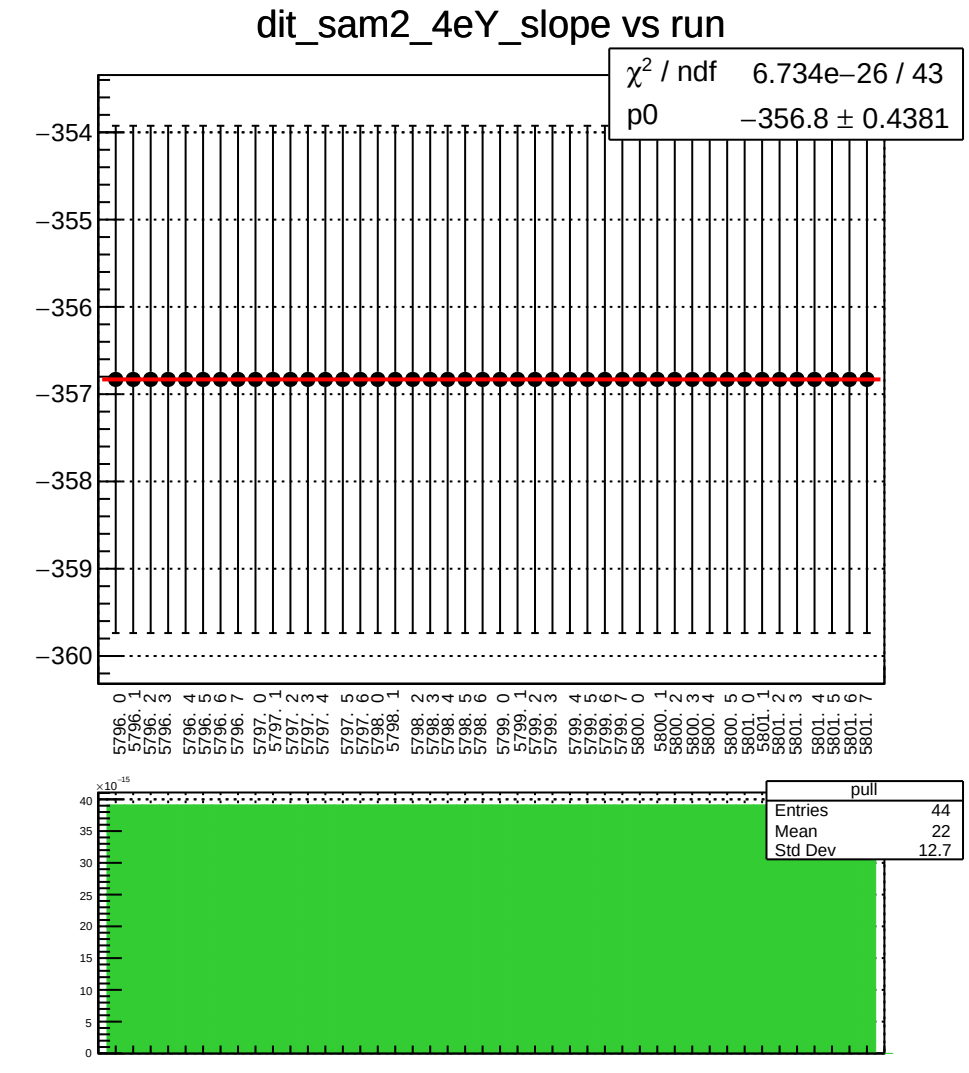

dit_sam2_4aX_slope vs run
χ² / ndf 2.337e−27 / 43
p0 28.22 ± 0.7349
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −7.288e−15
Std Dev 2.801e−22

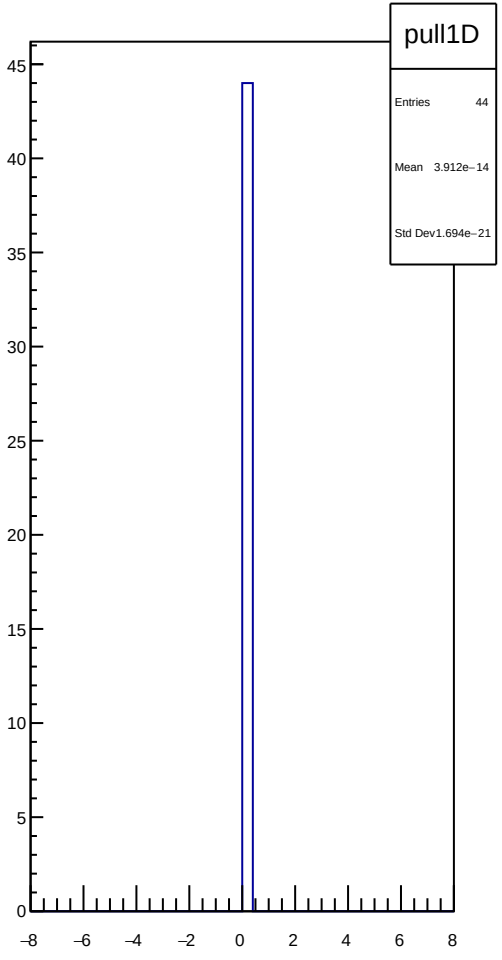

dit_sam2_4eX_slope vs run
χ² / ndf 0 / 43
p0 −340.6 ± 0.9795
−334
−336
−338
−340
−342
−344
−346
−348
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

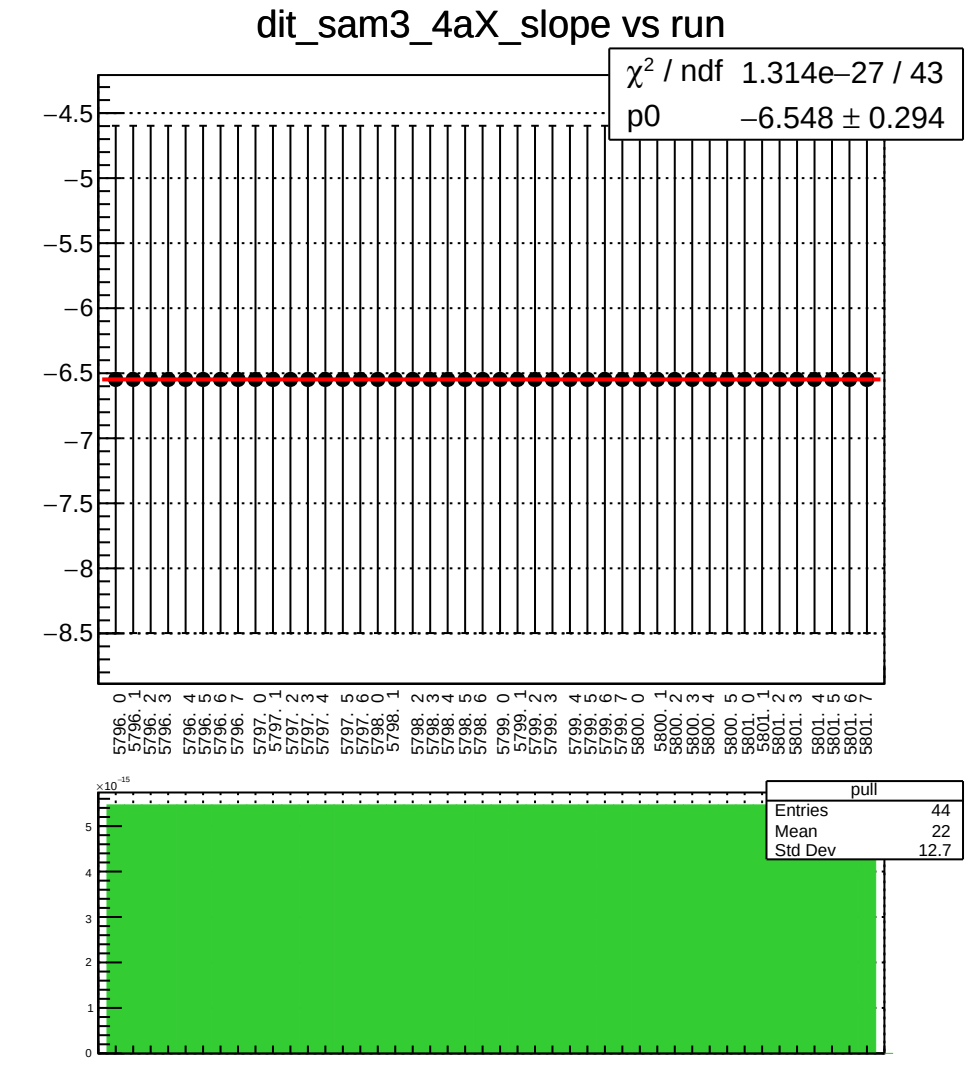

dit_sam2_11X12X_slope vs run
χ² / ndf 2.847e−28 / 43
p0 4.438 ± 0.1579
5.5
5
4.5
4
3.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻�15
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 44
Mean 22
Std Dev 12.7

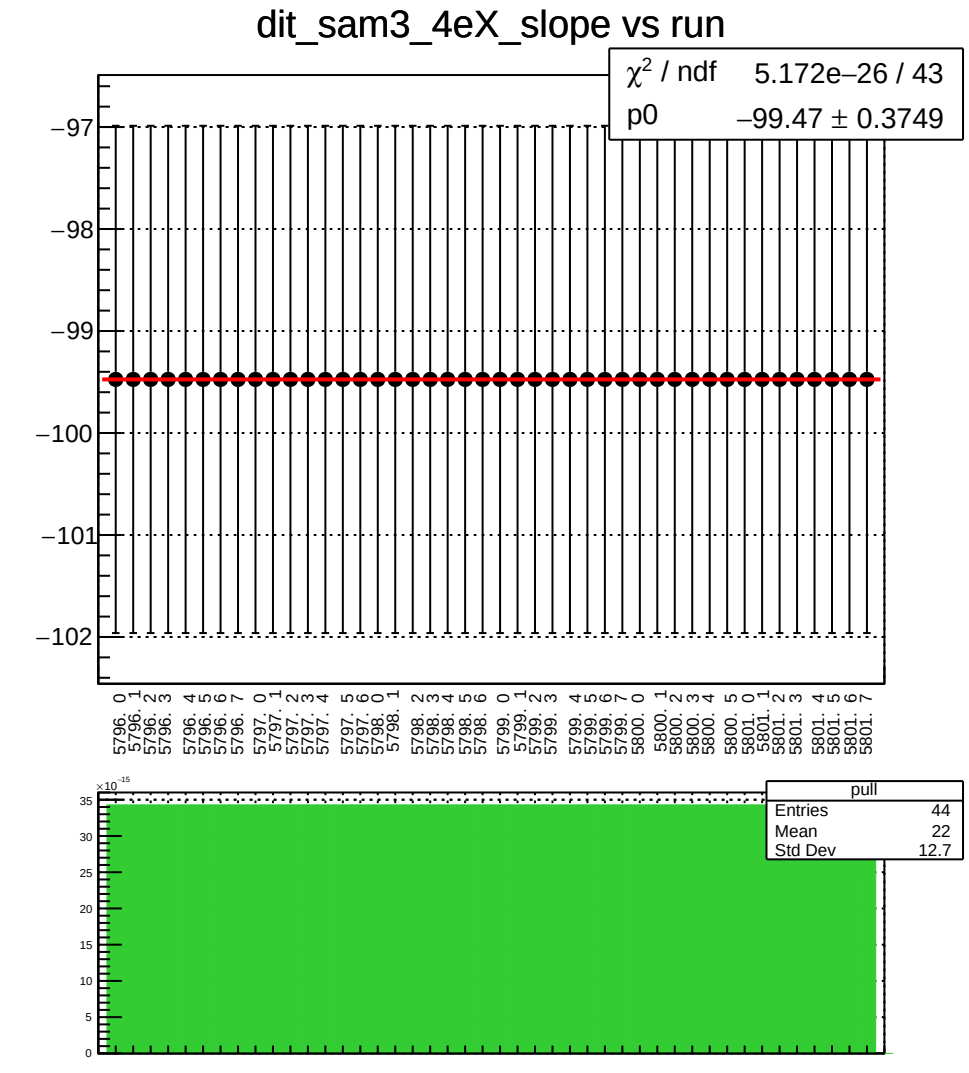

pull1D
Entries 44
Mean −2.544e−15
Std Dev1.297e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

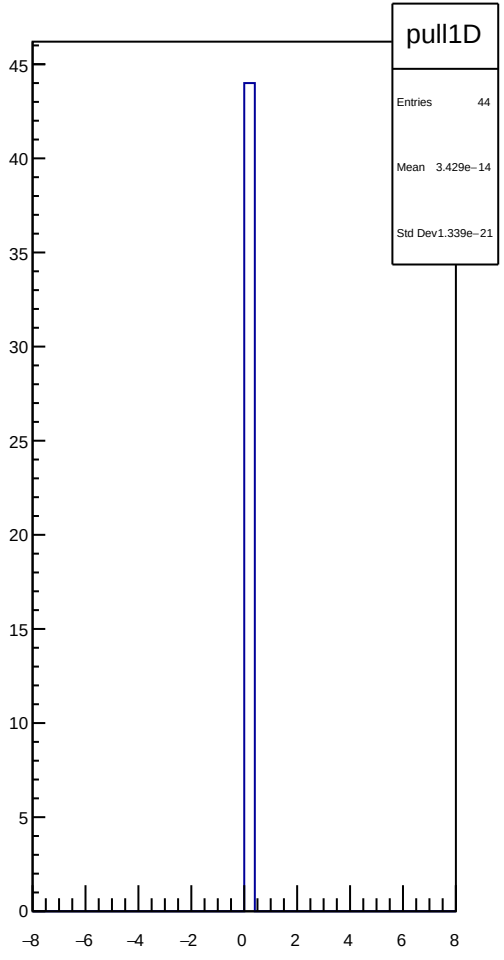

dit_sam2_4aY_slope vs run
χ² / ndf 1.911e−25 / 43
p0 41.66 ± 0.1951
43
42.5
42
41.5
41
40.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 6.59e−14
Std Dev3.281e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

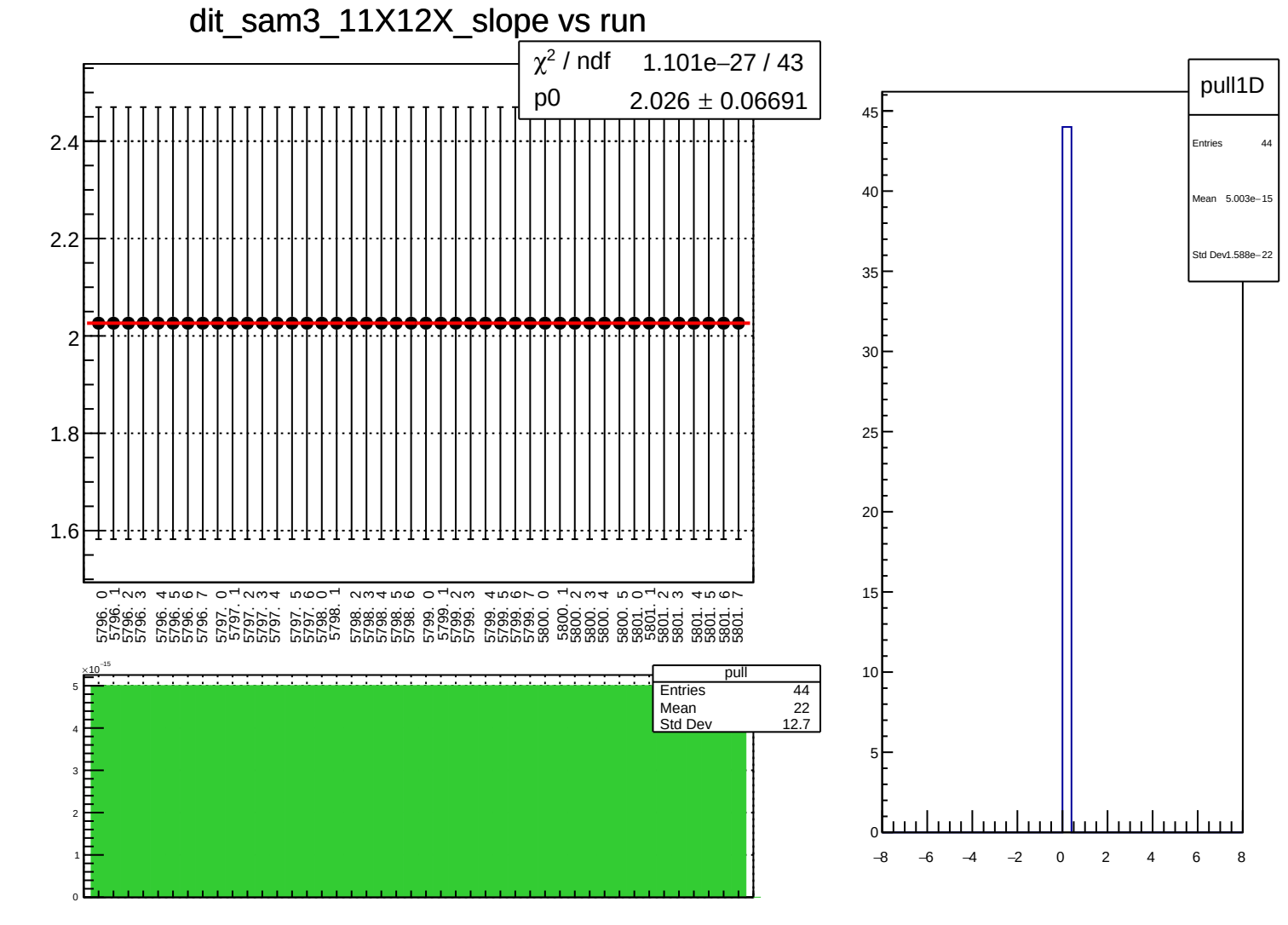

dit_sam2_4eY_slope vs run
χ² / ndf 6.734e−26 / 43
p0 −356.8 ± 0.4381
−354
−355
−356
−357
−358
−359
−360
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 44
Mean 22
Std Dev 12.7

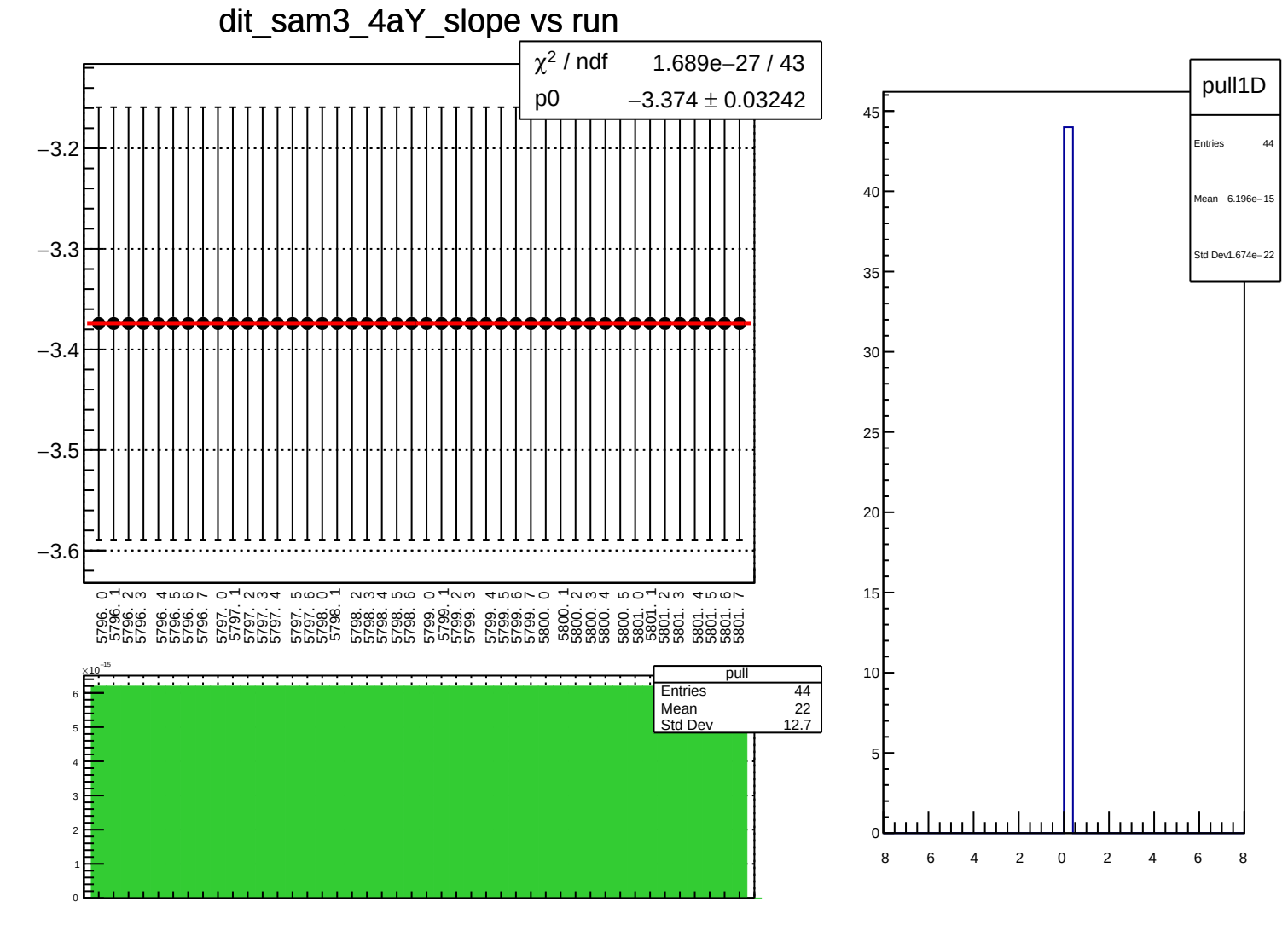

pull1D
Entries 44
Mean 3.912e−14
Std Dev1.694e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

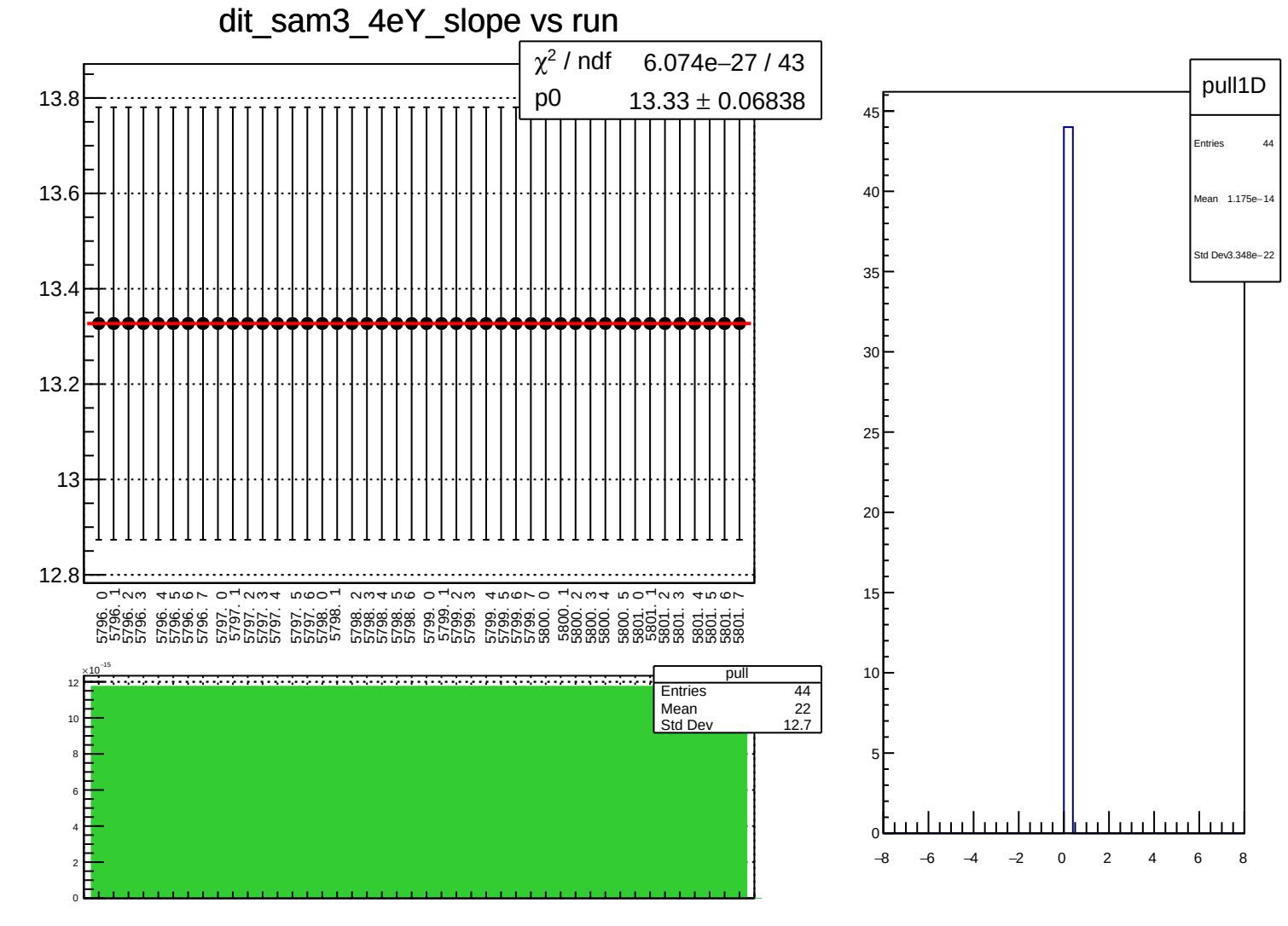

dit_sam3_4aX_slope vs run
χ² / ndf 1.314e−27 / 43
p0 −6.548 ± 0.294
−4.5
−5
−5.5
−6
−6.5
−7
−7.5
−8
−8.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 5.466e−15
Std Dev2.118e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

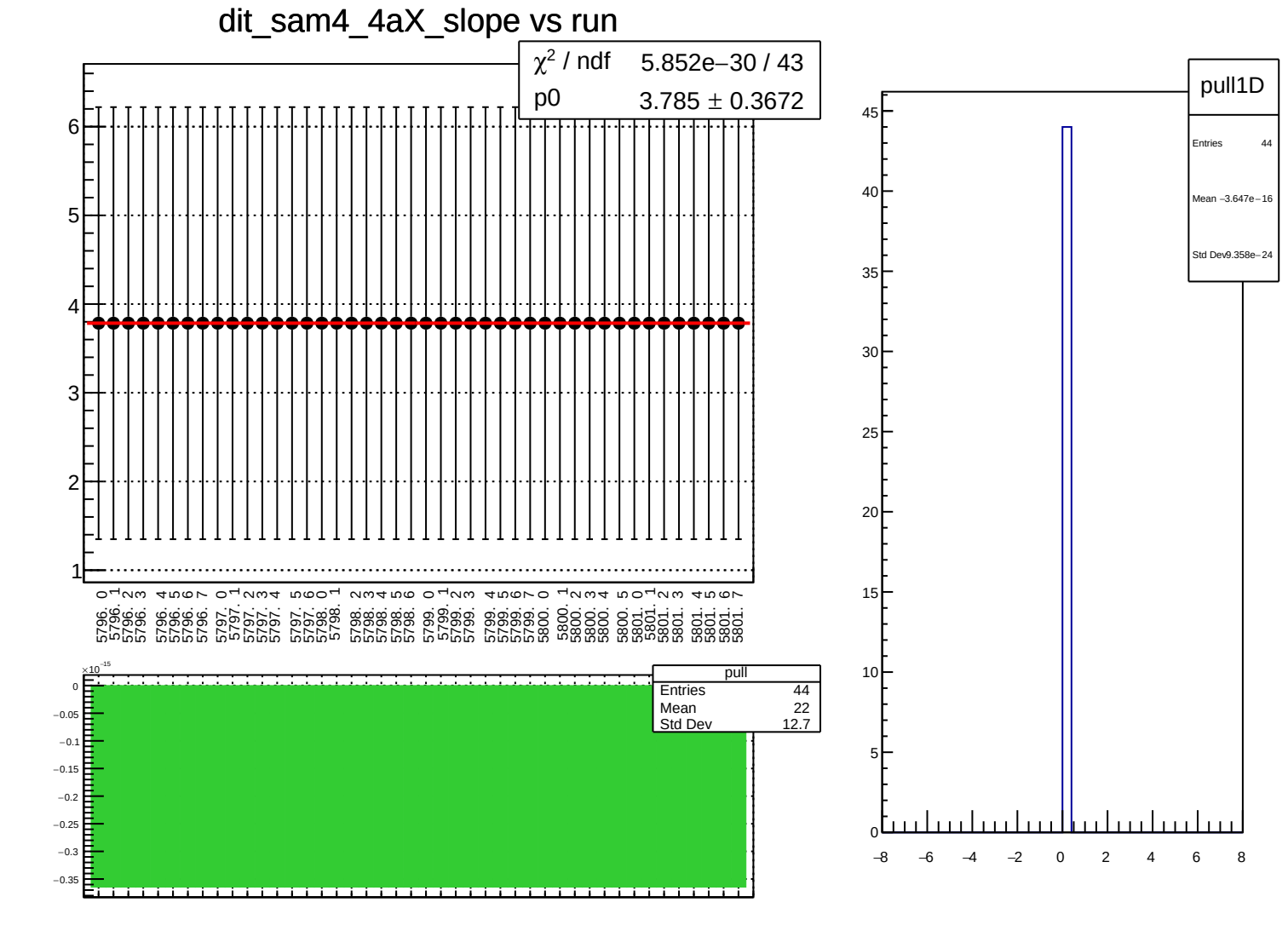

dit_sam3_4eX_slope vs run
χ² / ndf 5.172e−26 / 43
p0 −99.47 ± 0.3749
−97
−98
−99
−100
−101
−102
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 44
Mean 22
Std Dev 12.7

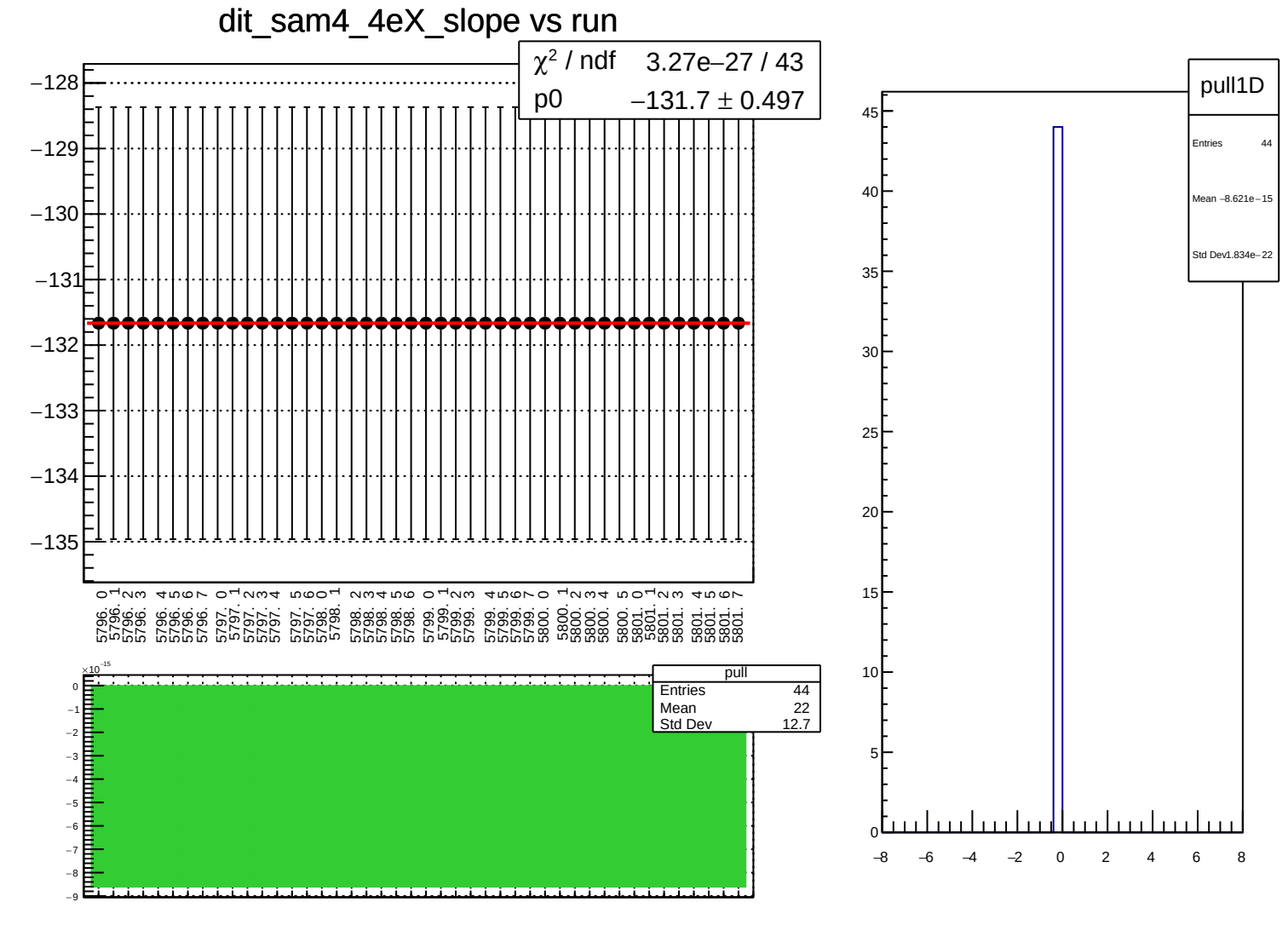

pull1D
Entries 44
Mean 3.429e−14
Std Dev1.339e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

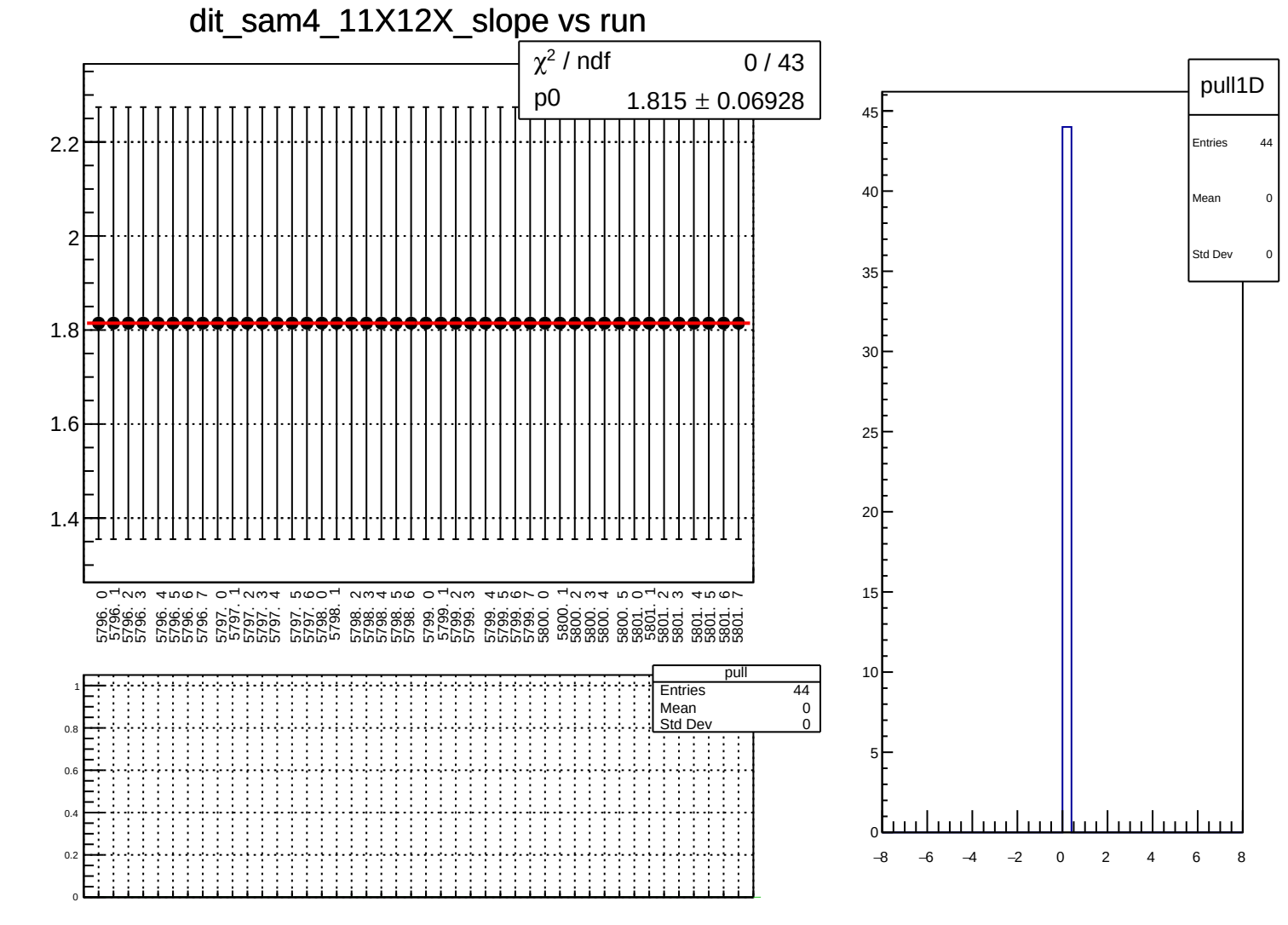

dit_sam3_11X12X_slope vs run
χ² / ndf 1.101e−27 / 43
p0 2.026 ± 0.06691
2.4
2.2
2
1.8
1.6
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 5.003e−15
Std Dev1.588e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

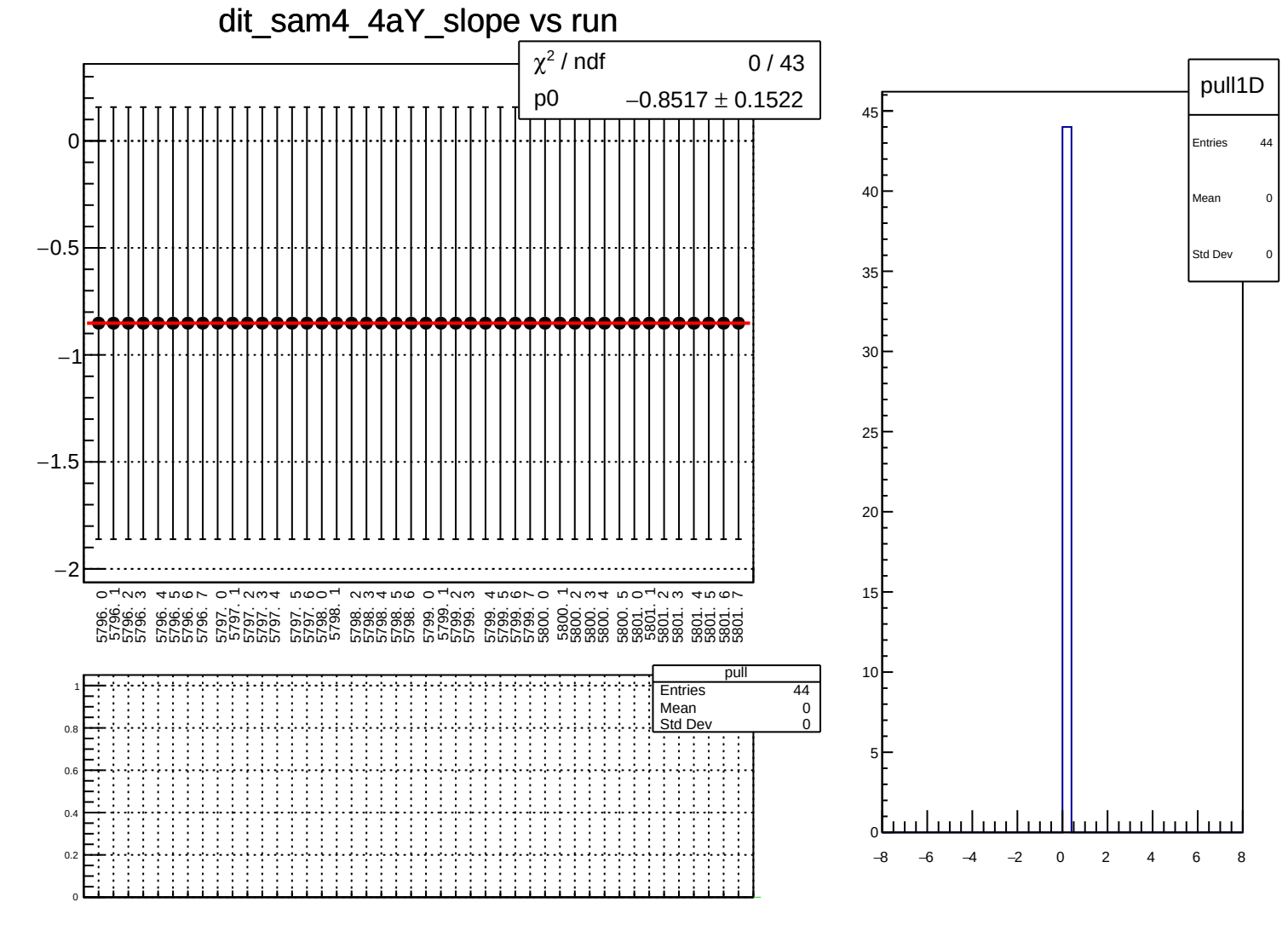

dit_sam3_4aY_slope vs run
χ² / ndf 1.689e−27 / 43
p0 −3.374 ± 0.03242
−3.2
−3.3
−3.4
−3.5
−3.6
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 6.196e−15
Std Dev1.674e−22

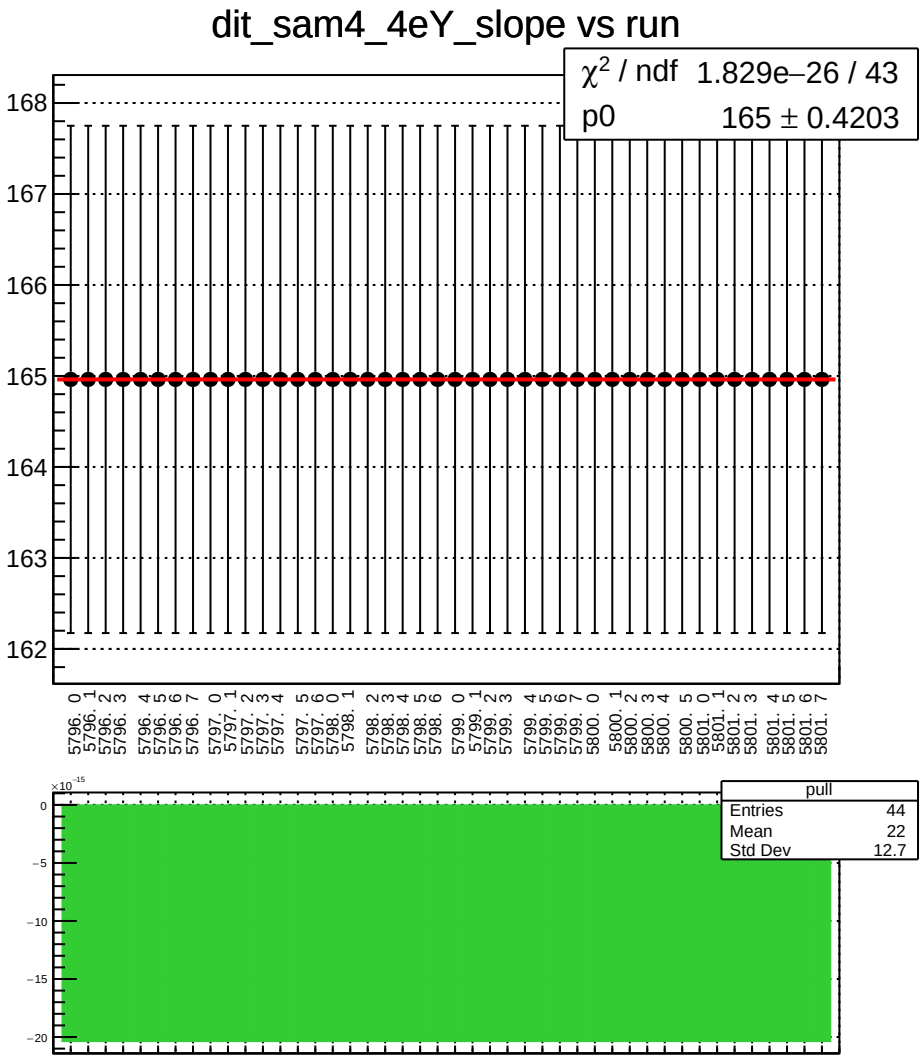

dit_sam3_4eY_slope vs run
χ² / ndf 6.074e−27 / 43
p0 13.33 ± 0.06838
13.8
13.6
13.4
13.2
13
12.8
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 1.175e−14
Std Dev3.348e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

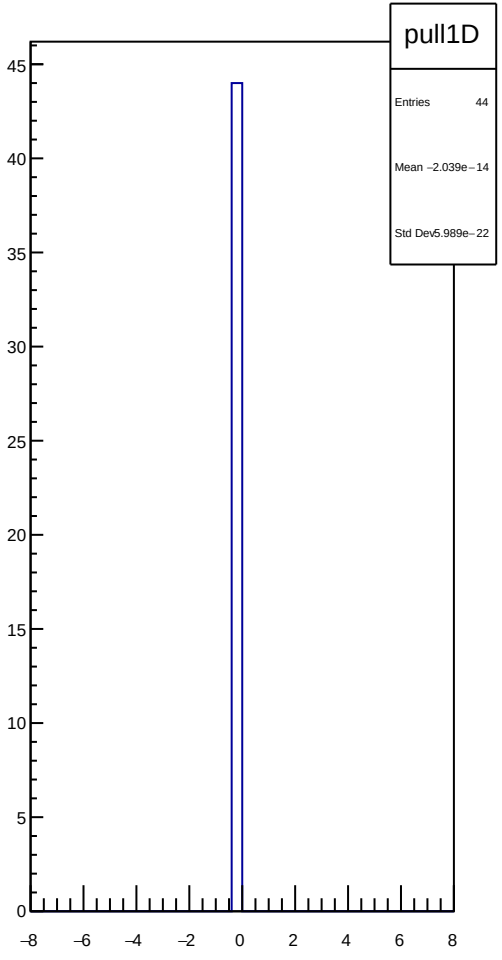

dit_sam4_4aX_slope vs run
χ² / ndf 5.852e−30 / 43
p0 3.785 ± 0.3672
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −3.647e−16
Std Dev9.358e−24

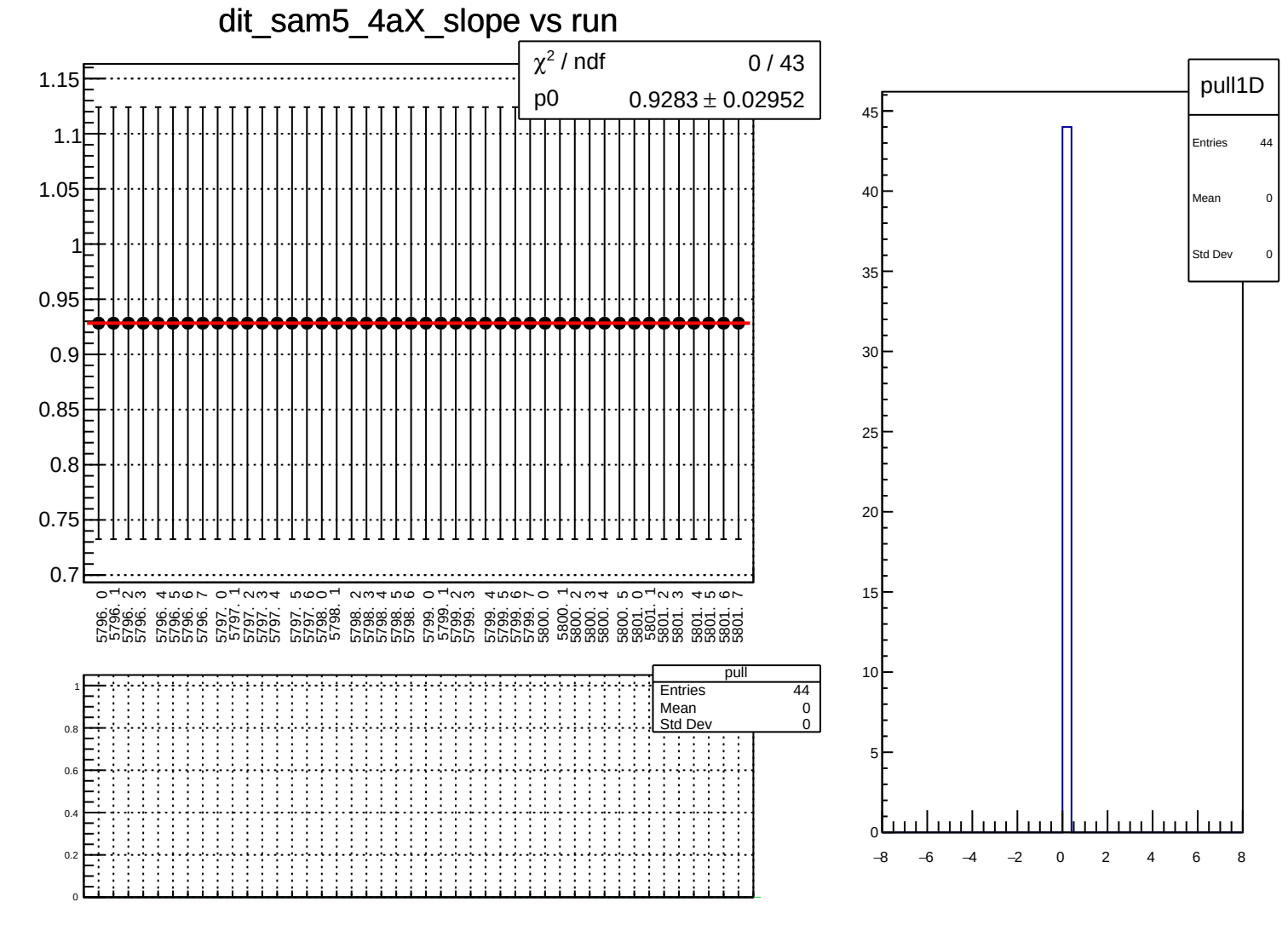

dit_sam4_4eX_slope vs run
χ² / ndf 3.27e−27 / 43
p0 −131.7 ± 0.497
−128
−129
−130
−131
−132
−133
−134
−135
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −8.621e−15
Std Dev1.834e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

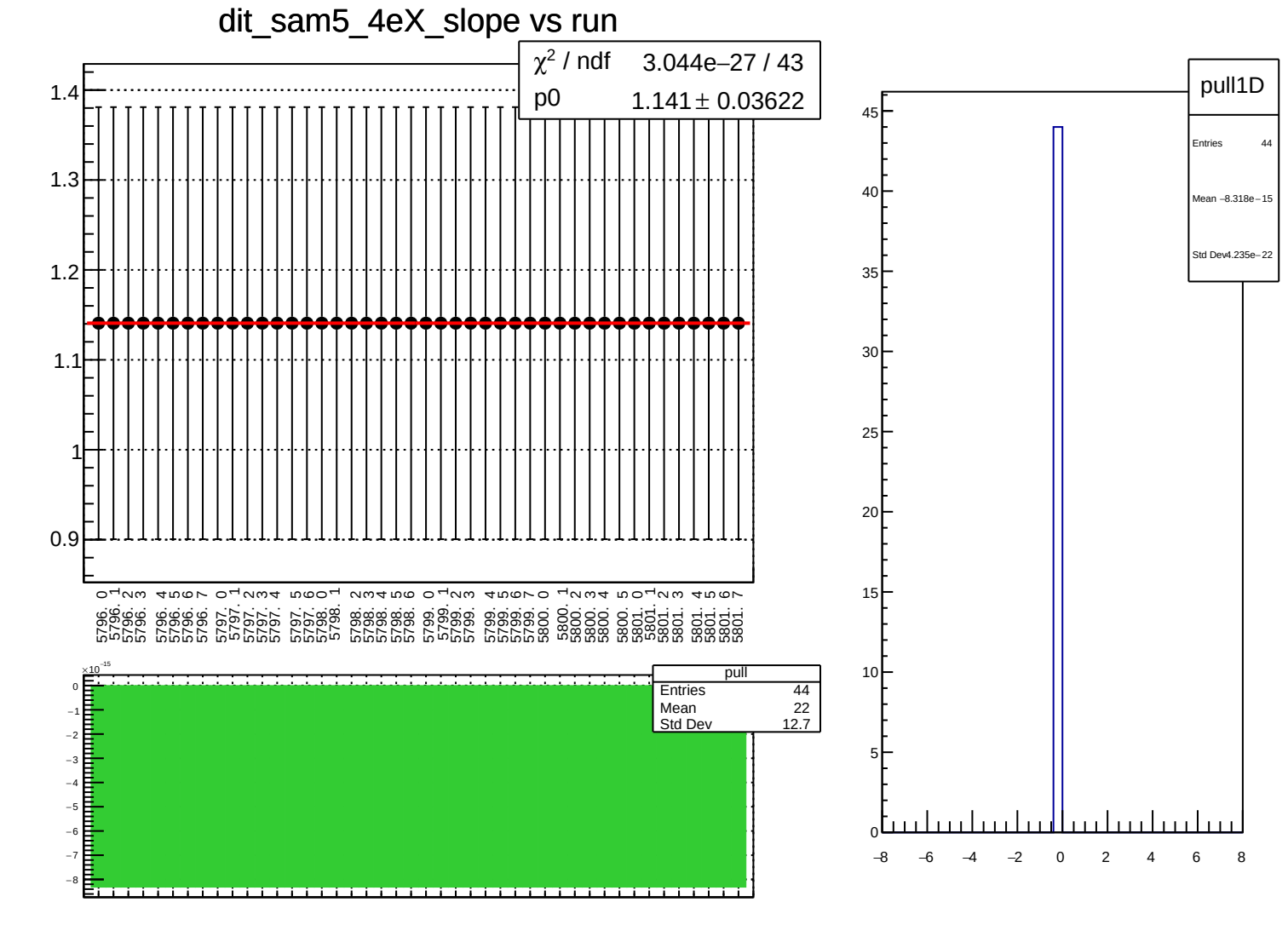

dit_sam4_11X12X_slope vs run
χ² / ndf 0 / 43
p0 1.815 ± 0.06928
2.2
2
1.8
1.6
1.4
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

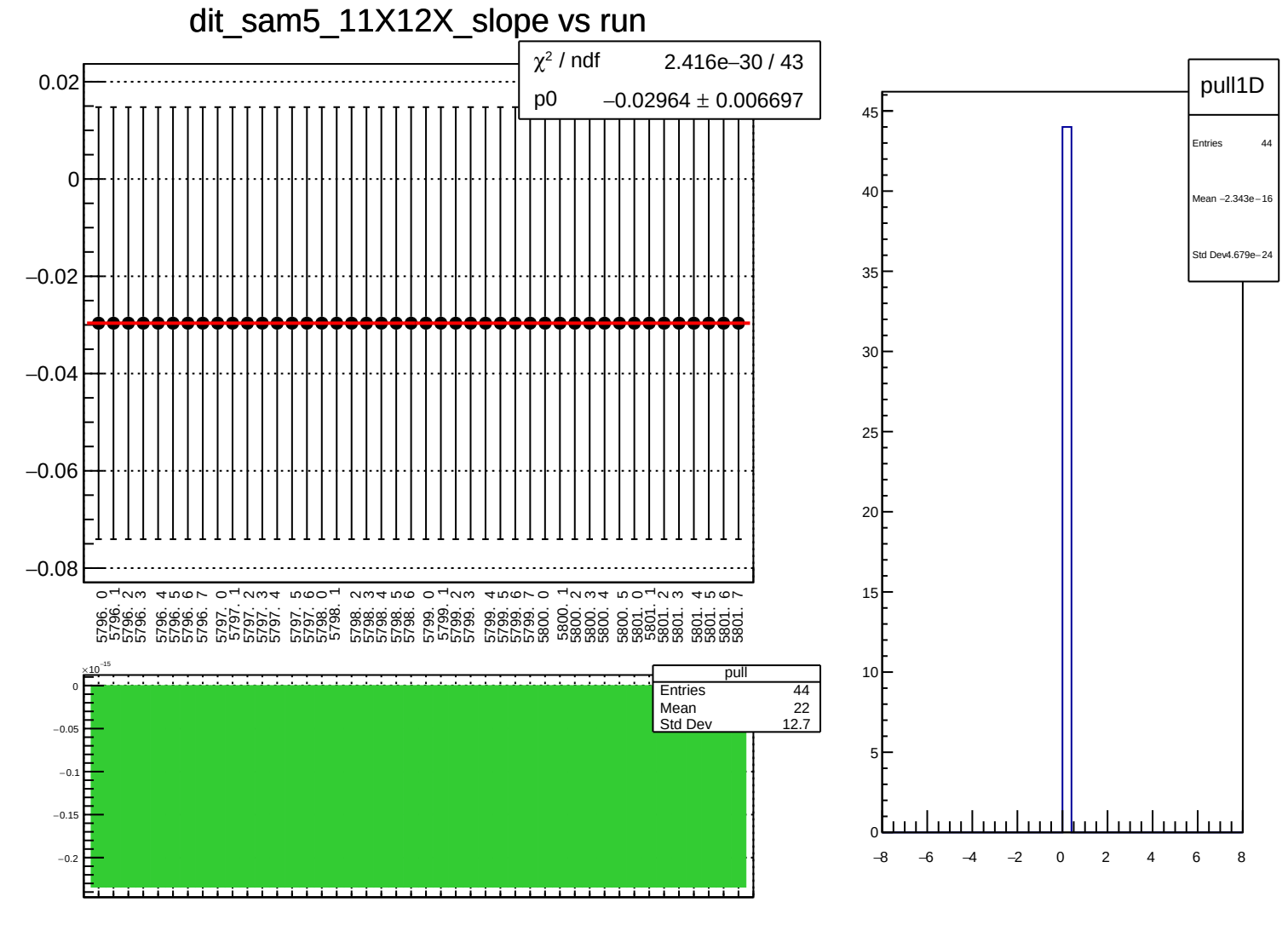

dit_sam4_4aY_slope vs run
χ² / ndf 0 / 43
p0 −0.8517 ± 0.1522
pull
Entries 44
Mean 0
Std Dev 0
pull1D
Entries 44
Mean 0
Std Dev 0

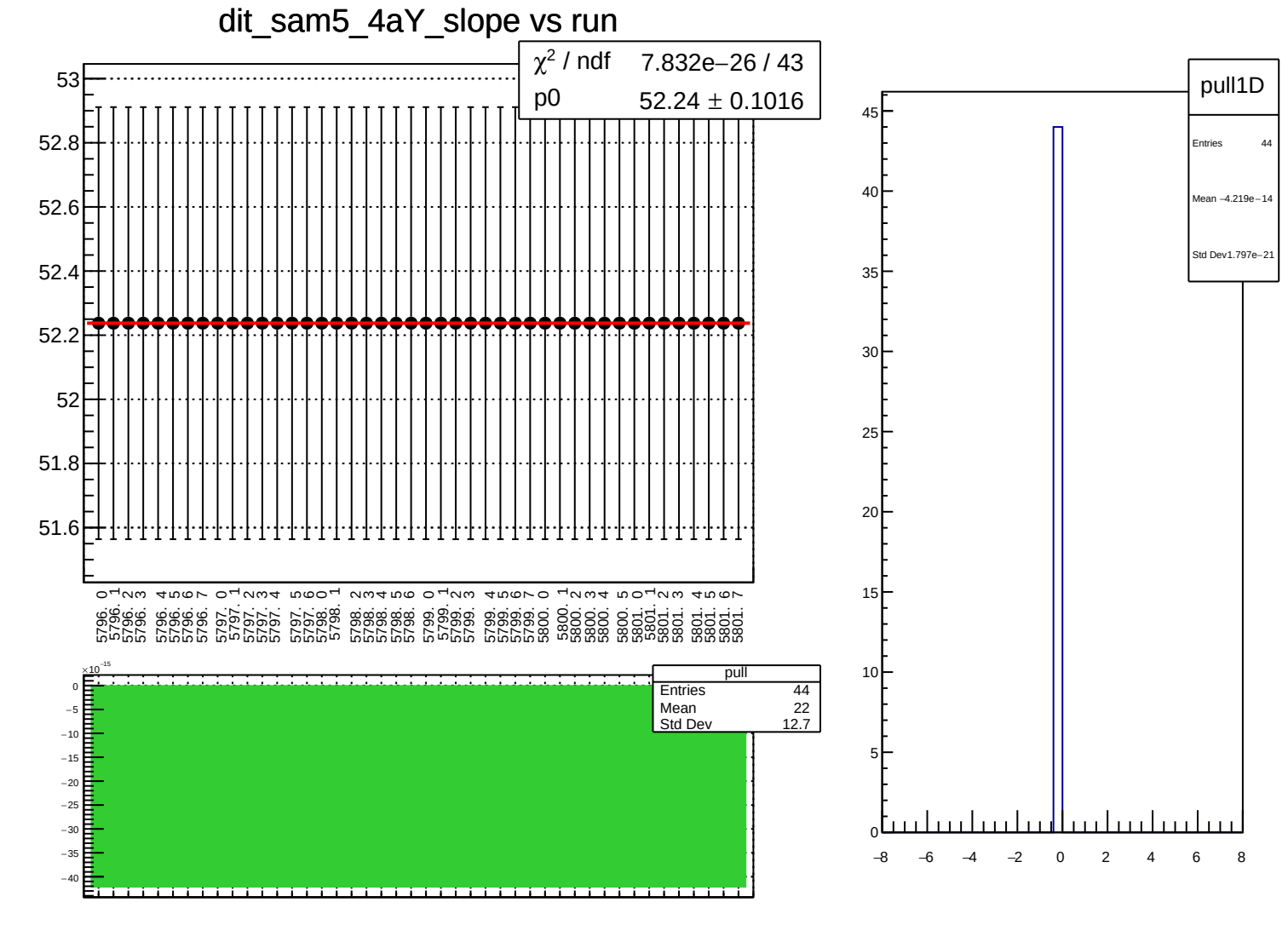

dit_sam4_4eY_slope vs run
χ^2 / ndf 1.829e−26 / 43
p0 165 ± 0.4203
168
167
166
165
164
163
162
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 44
Mean 22
Std Dev 12.7

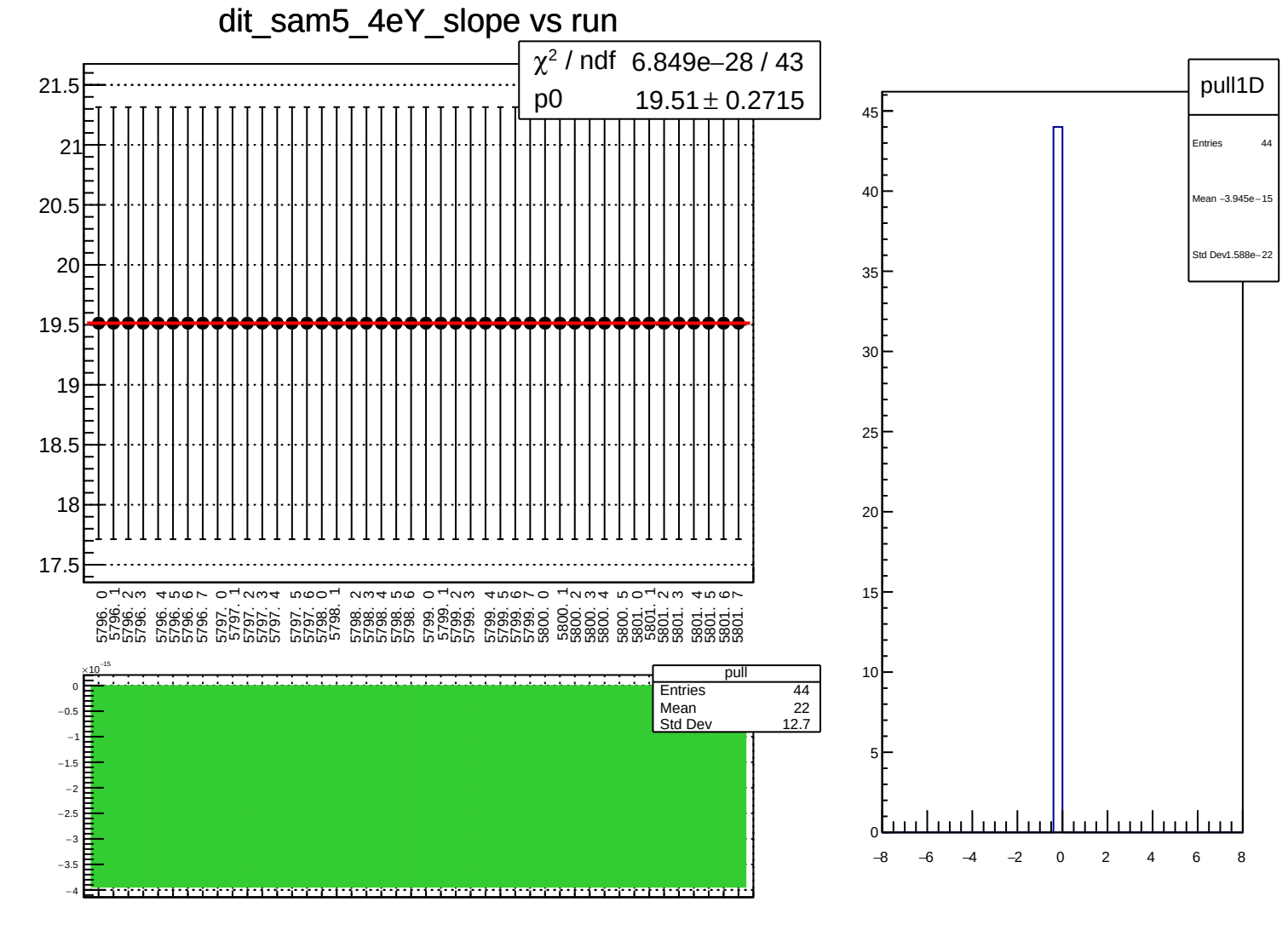

pull1D
Entries 44
Mean −2.039e−14
Std Dev5.989e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

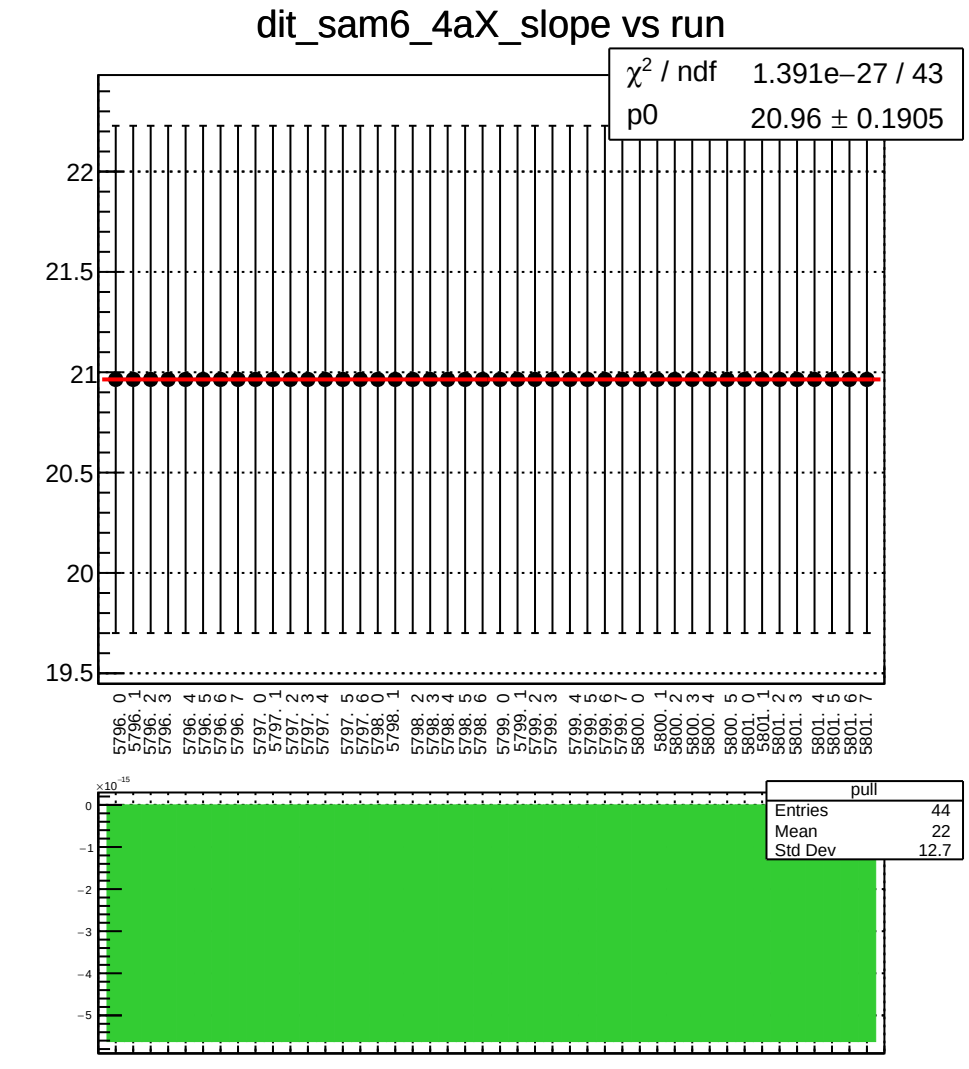

dit_sam5_4aX_slope vs run
χ^2 / ndf 0 / 43
p0 0.9283 ± 0.02952
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 44
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

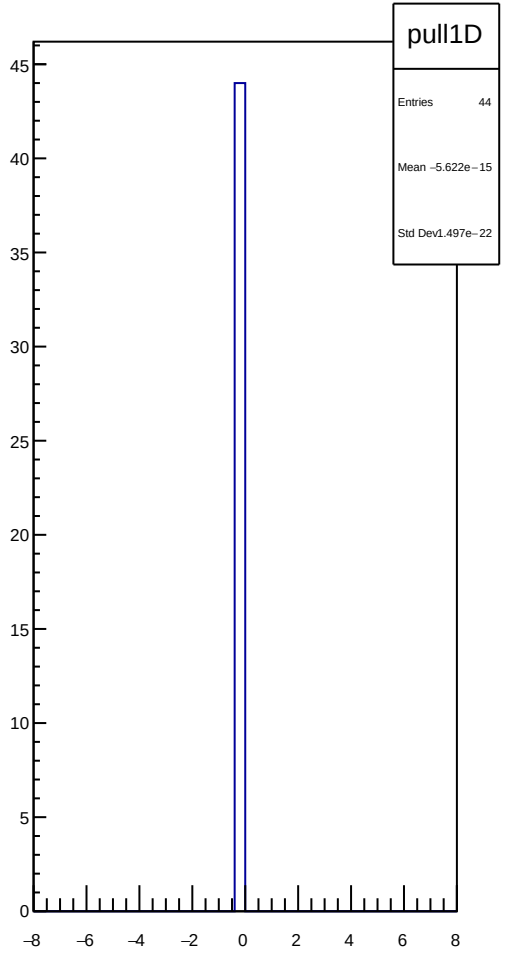

dit_sam5_4eX_slope vs run
χ² / ndf 3.044e−27 / 43
p0 1.141 ± 0.03622
1.4
1.3
1.2
1.1
1
0.9
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −8.318e−15
Std Dev4.235e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

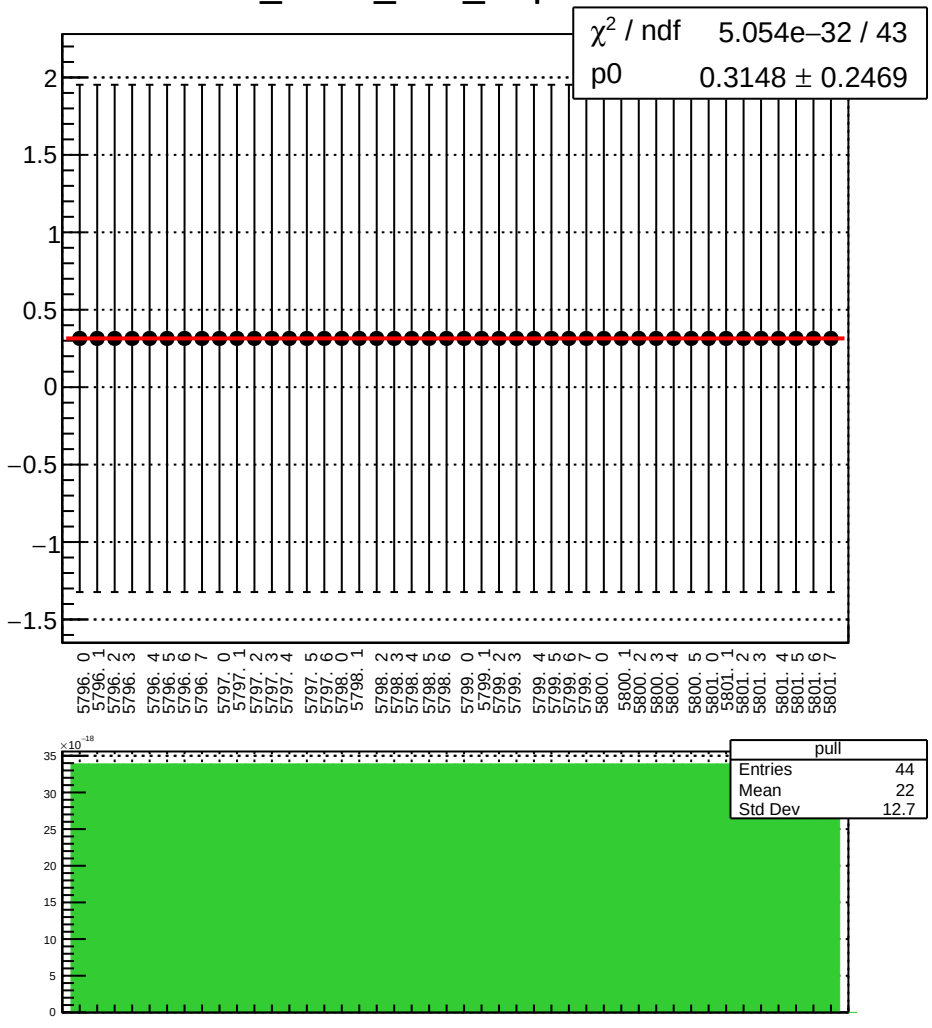

dit_sam5_11X12X_slope vs run
χ² / ndf 2.416e−30 / 43
p0 −0.02964 ± 0.006697
0.02
0
−0.02
−0.04
−0.06
−0.08
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −2.343e−16
Std Dev4.679e−24
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

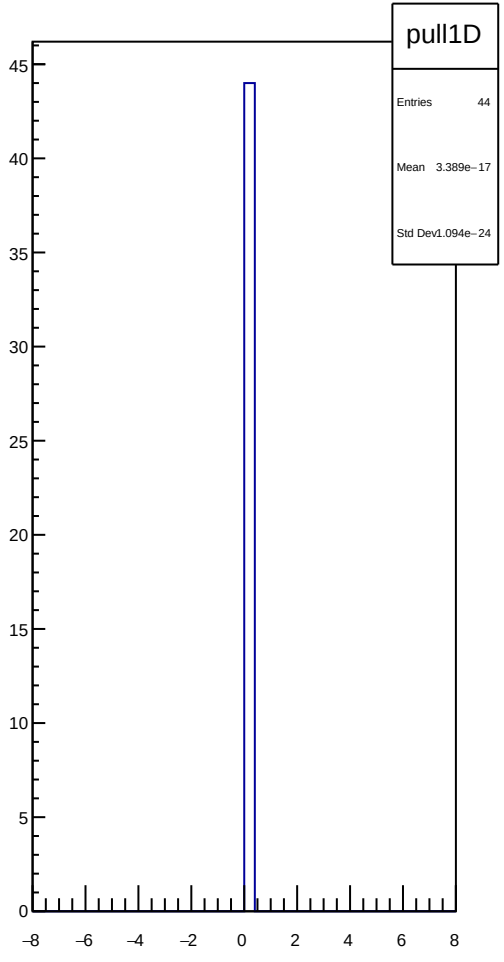

dit_sam5_4aY_slope vs run
χ² / ndf 7.832e−26 / 43
p0 52.24 ± 0.1016
53
52.8
52.6
52.4
52.2
52
51.8
51.6
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −4.219e−14
Std Dev1.797e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

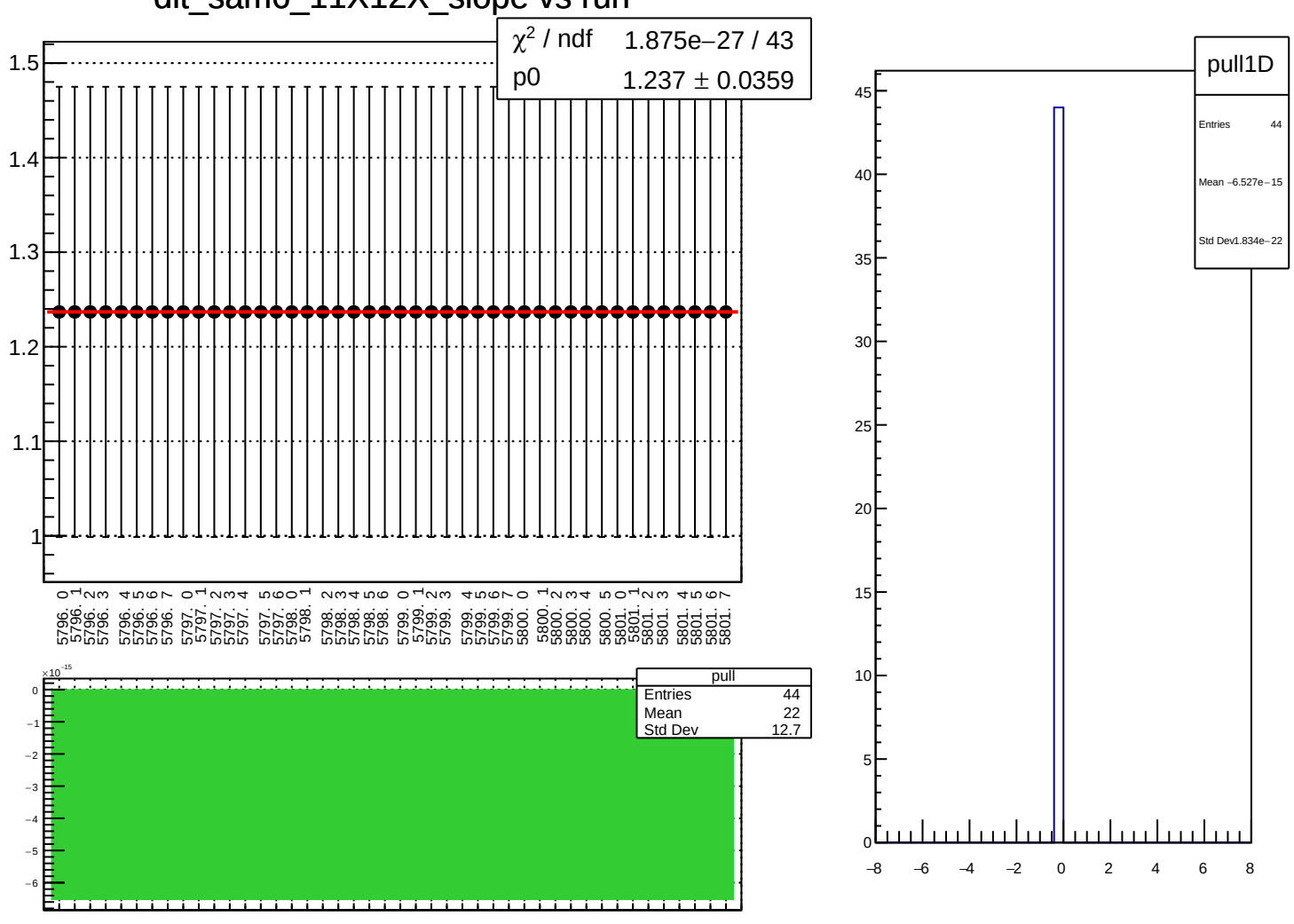

dit_sam5_4eY_slope vs run
χ² / ndf 6.849e−28 / 43
p0 19.51 ± 0.2715
21.5
21
20.5
20
19.5
19
18.5
18
17.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −3.945e−15
Std Dev1.588e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

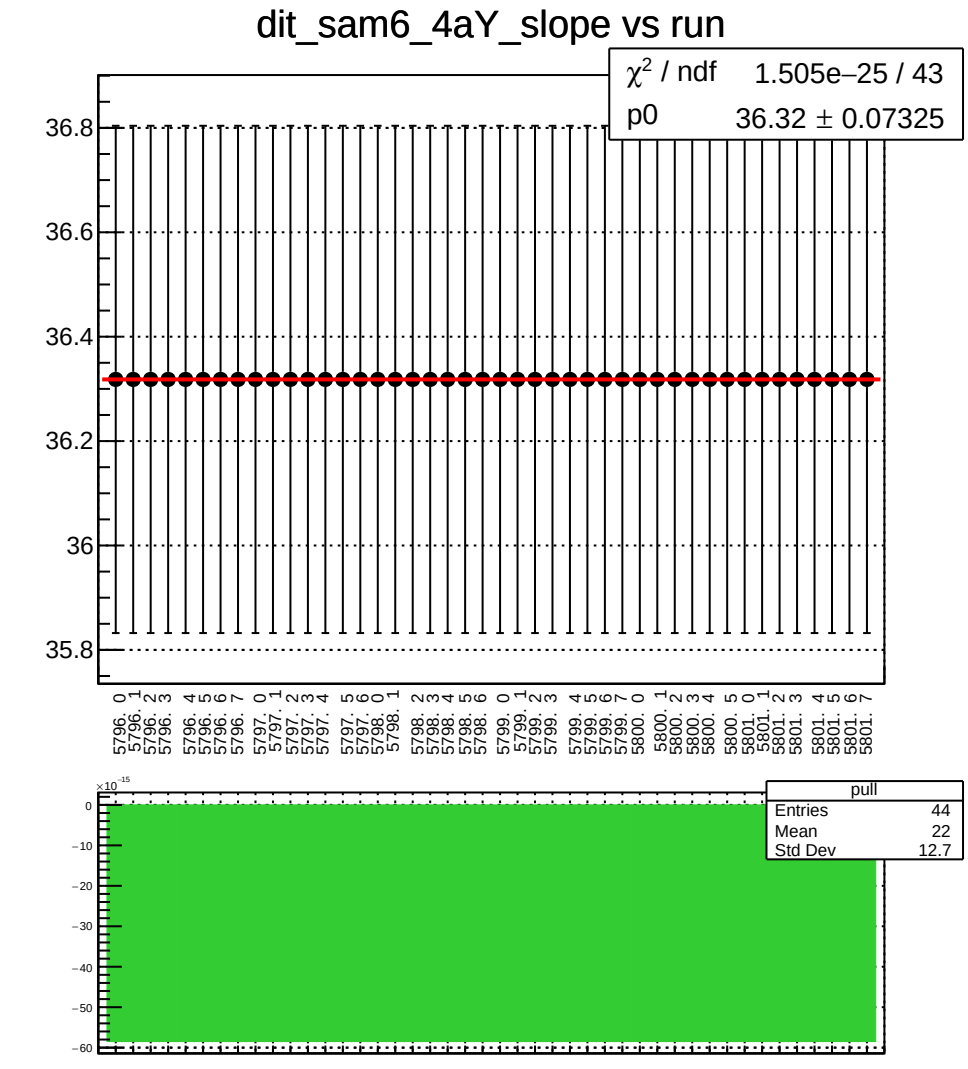

dit_sam6_4aX_slope vs run
χ² / ndf 1.391e−27 / 43
p0 20.96 ± 0.1905
22
21.5
21
20.5
20
19.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 44
Mean 22
Std Dev 12.7

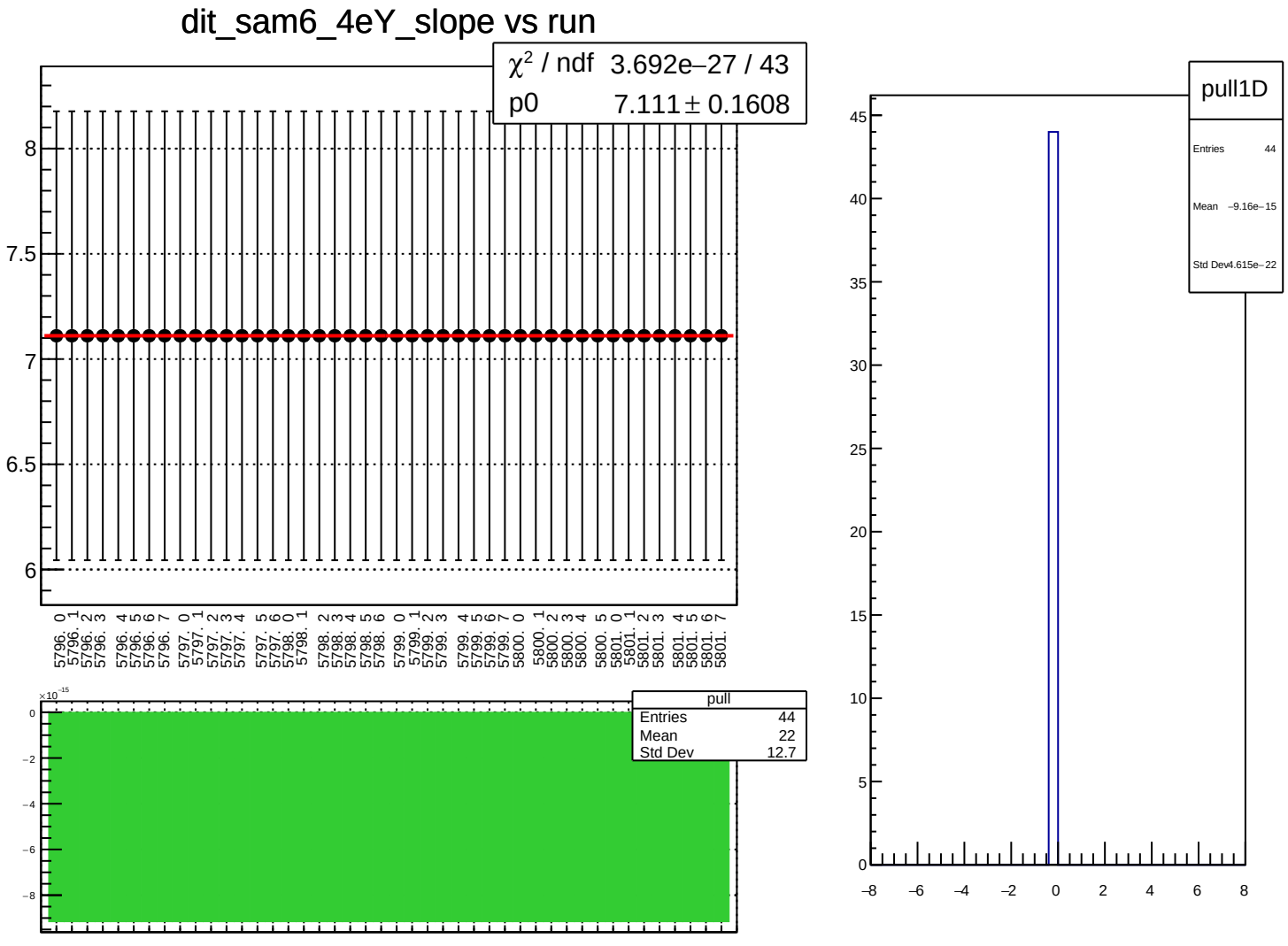

pull1D
Entries 44
Mean −5.622e−15
Std Dev1.497e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

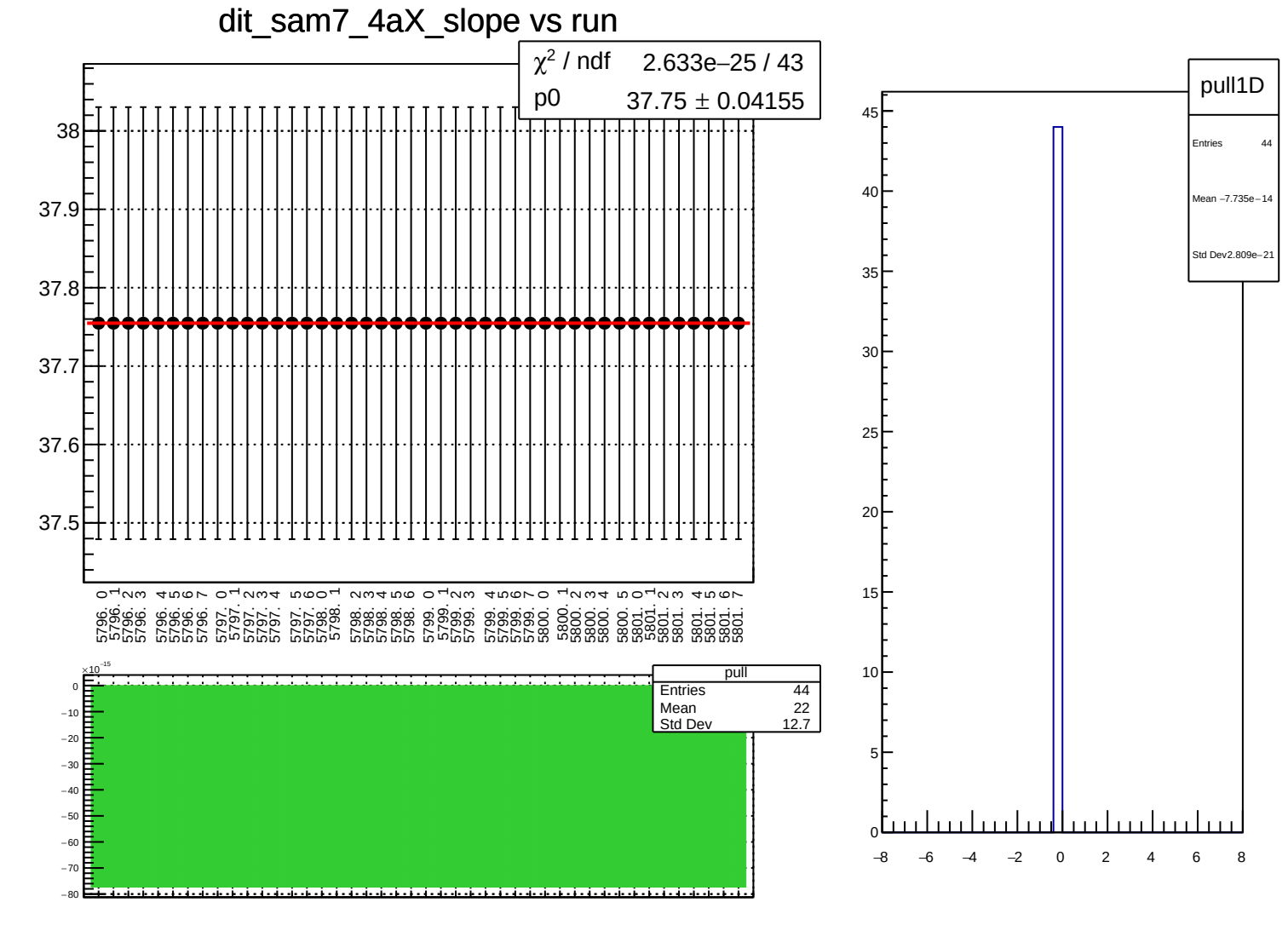

dit_sam6_4eX_slope vs run
χ^2 / ndf 5.054e−32 / 43
p0 0.3148 ± 0.2469
pull
Entries 44
Mean 22
Std Dev 12.7

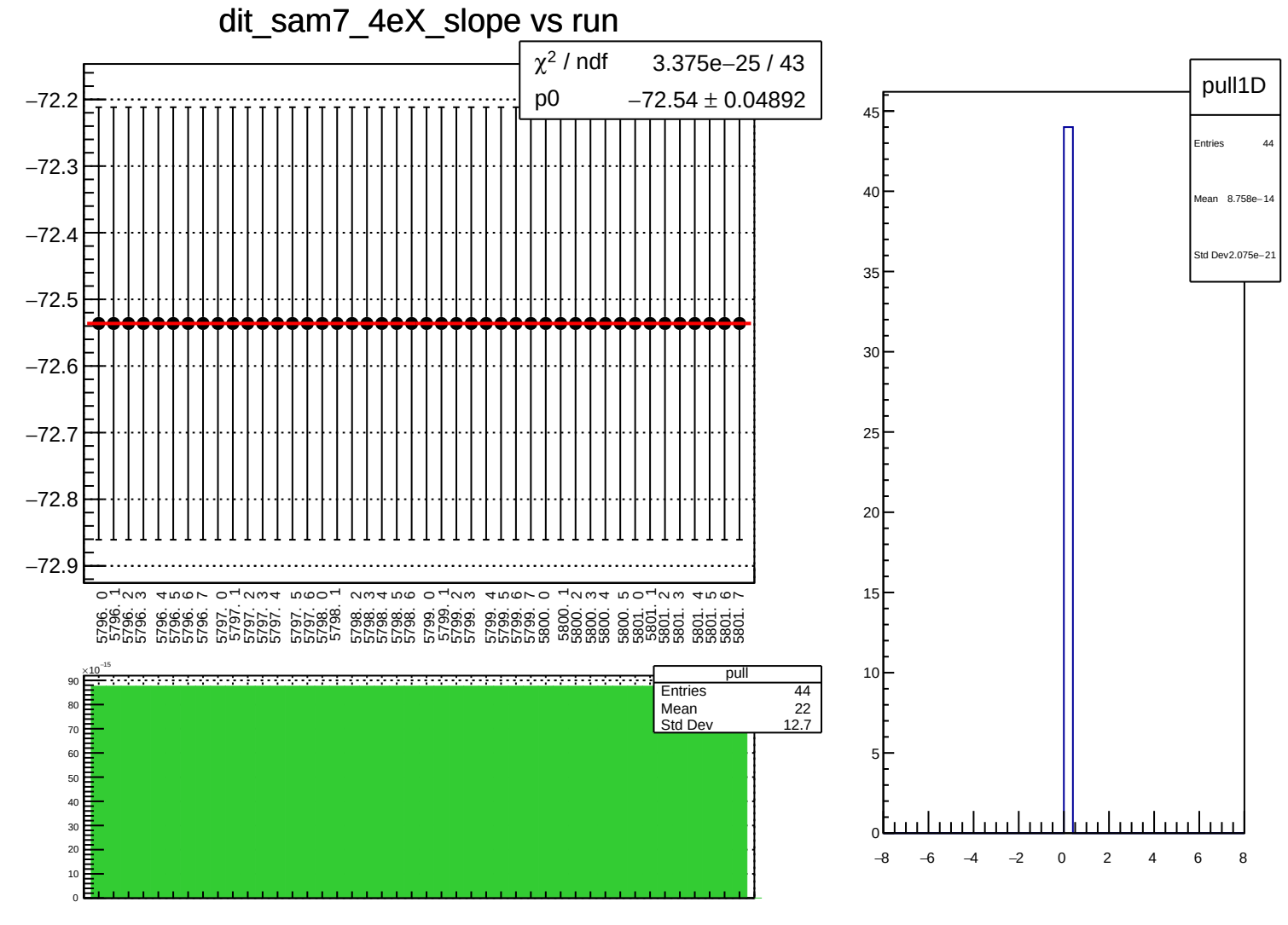

pull1D
Entries 44
Mean 3.389e−17
Std Dev1.094e−24

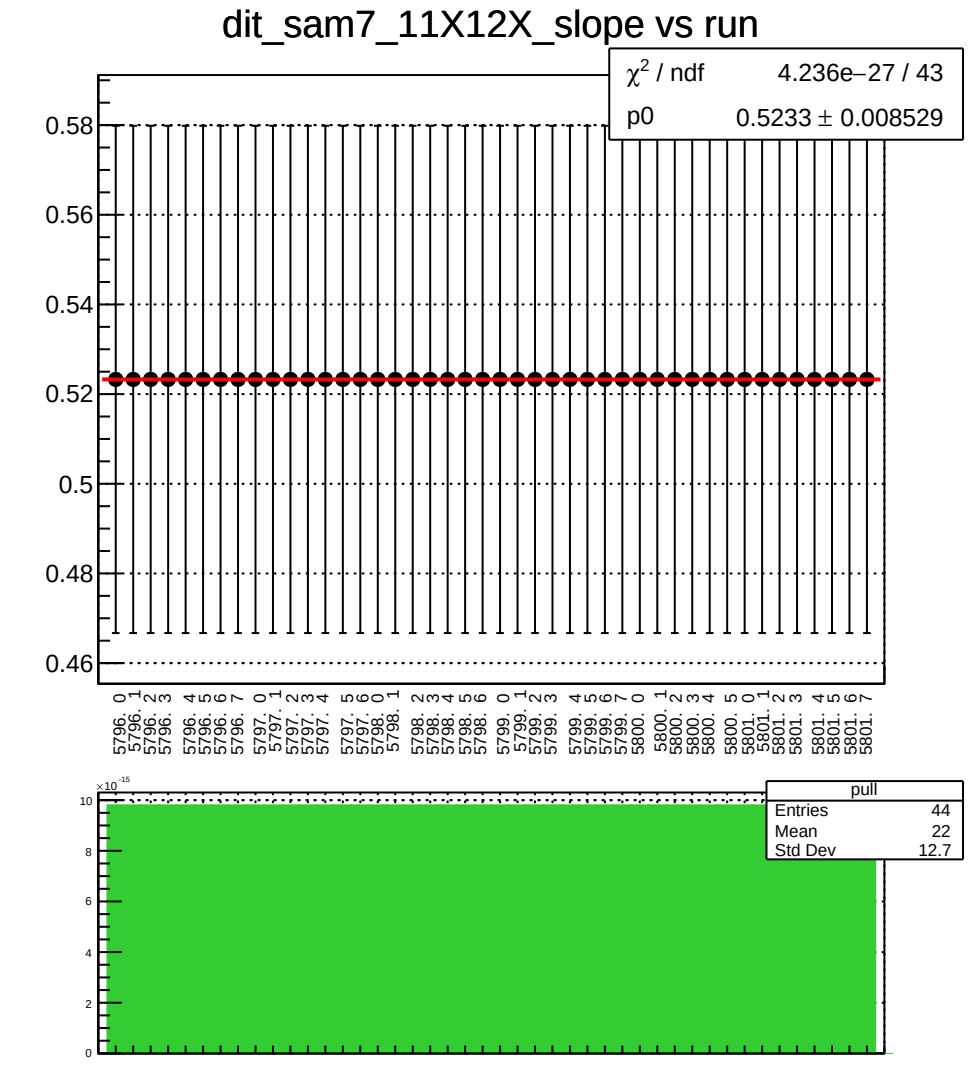

dit_sam6_11X12X_slope vs run
χ² / ndf 1.875e−27 / 43
p0 1.237 ± 0.0359
1.5
1.4
1.3
1.2
1.1
1
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −6.527e−15
Std Dev1.834e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

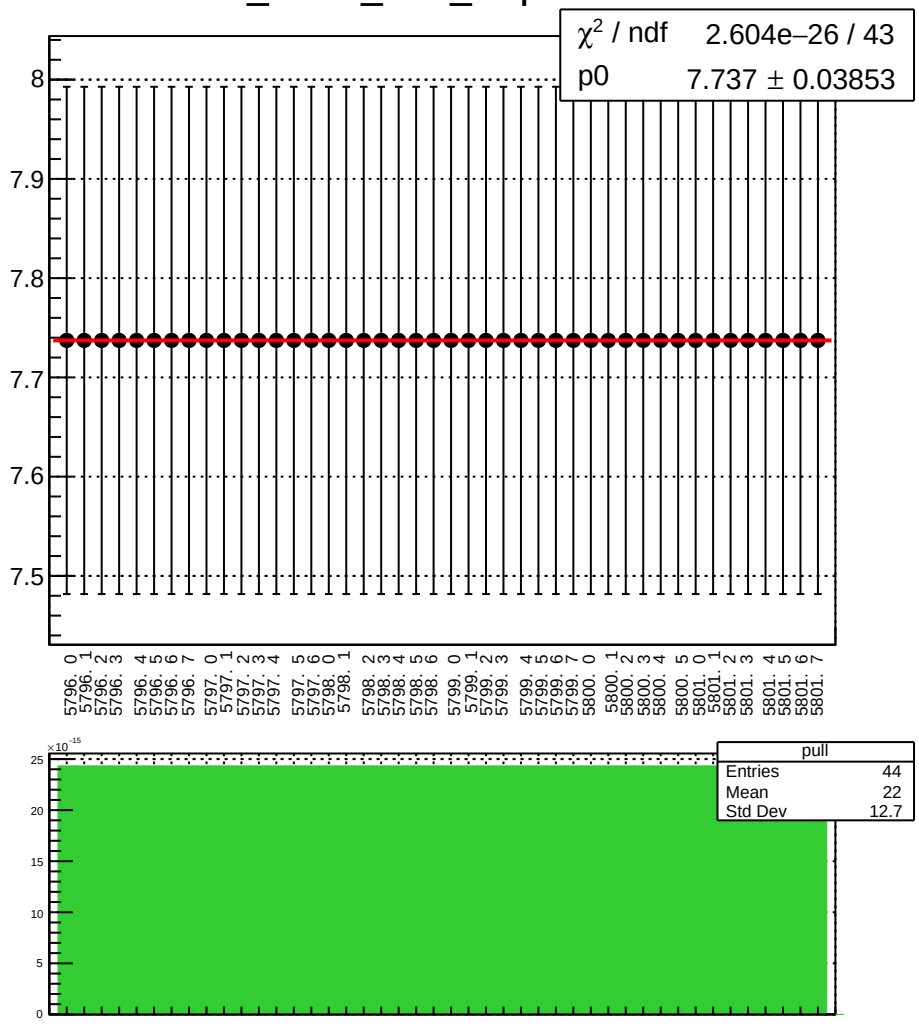

dit_sam6_4aY_slope vs run
χ² / ndf 1.505e−25 / 43
p0 36.32 ± 0.07325
36.8
36.6
36.4
36.2
36
35.8
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −5.849e−14
Std Dev2.075e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

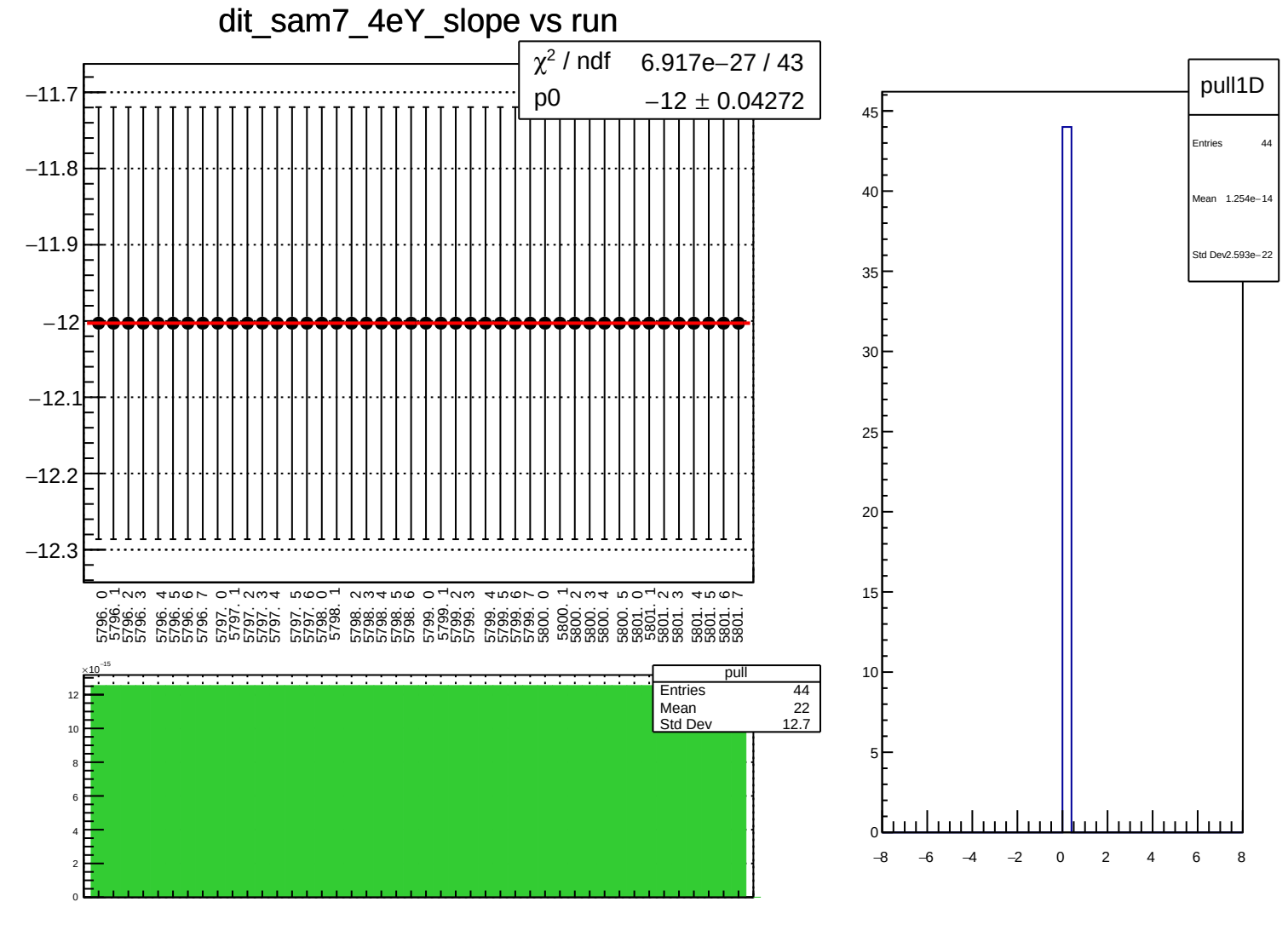

dit_sam6_4eY_slope vs run
χ² / ndf 3.692e−27 / 43
p0 7.111 ± 0.1608
8
7.5
7
6.5
6
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−2
−4
−6
−8
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −9.16e−15
Std Dev 4.615e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

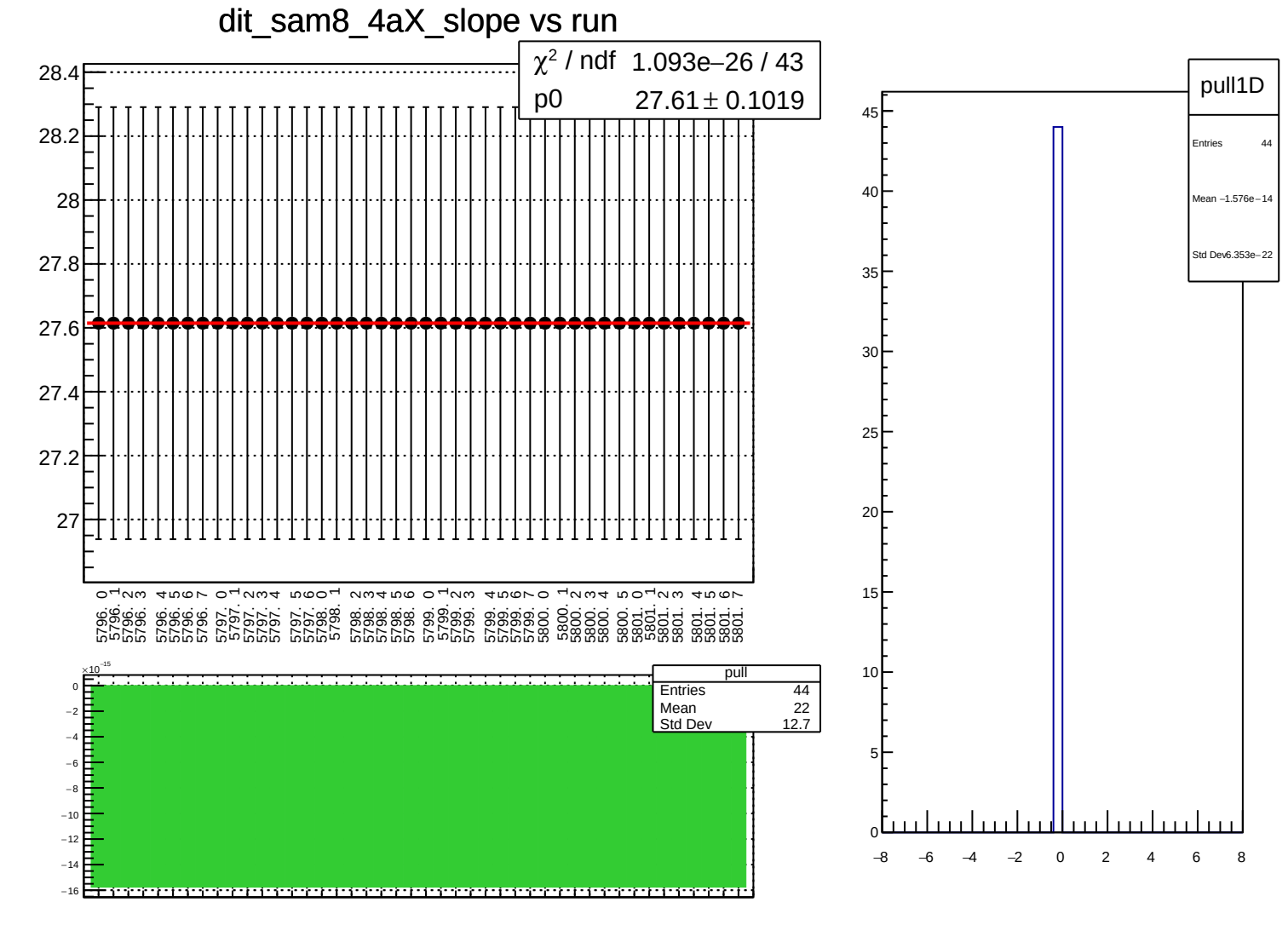

dit_sam7_4aX_slope vs run
χ² / ndf 2.633e−25 / 43
p0 37.75 ± 0.04155
38
37.9
37.8
37.7
37.6
37.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −7.735e−14
Std Dev2.809e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

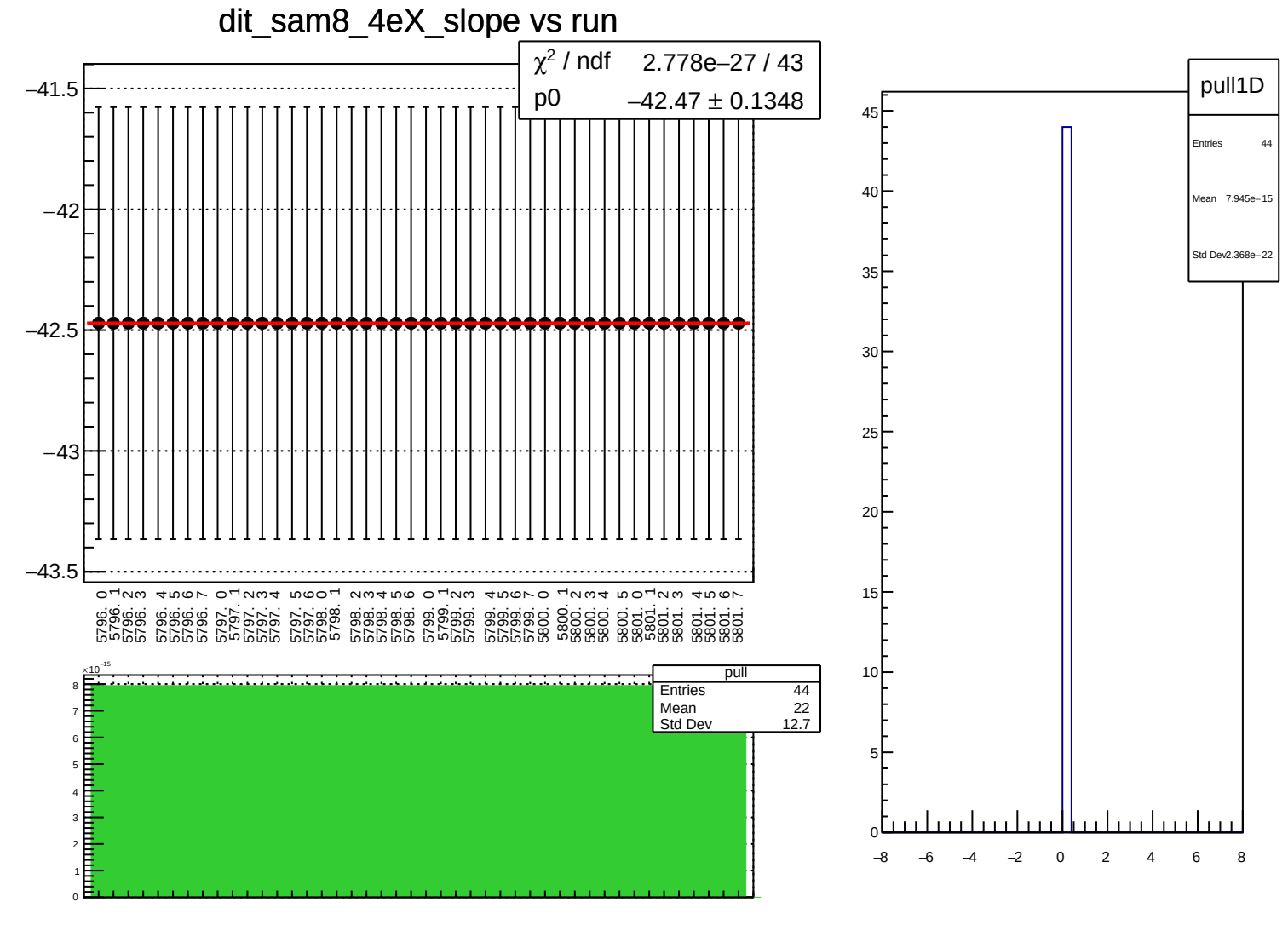

dit_sam7_4eX_slope vs run
χ² / ndf 3.375e−25 / 43
p0 −72.54 ± 0.04892
−72.2
−72.3
−72.4
−72.5
−72.6
−72.7
−72.8
−72.9
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 8.758e−14
Std Dev2.075e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

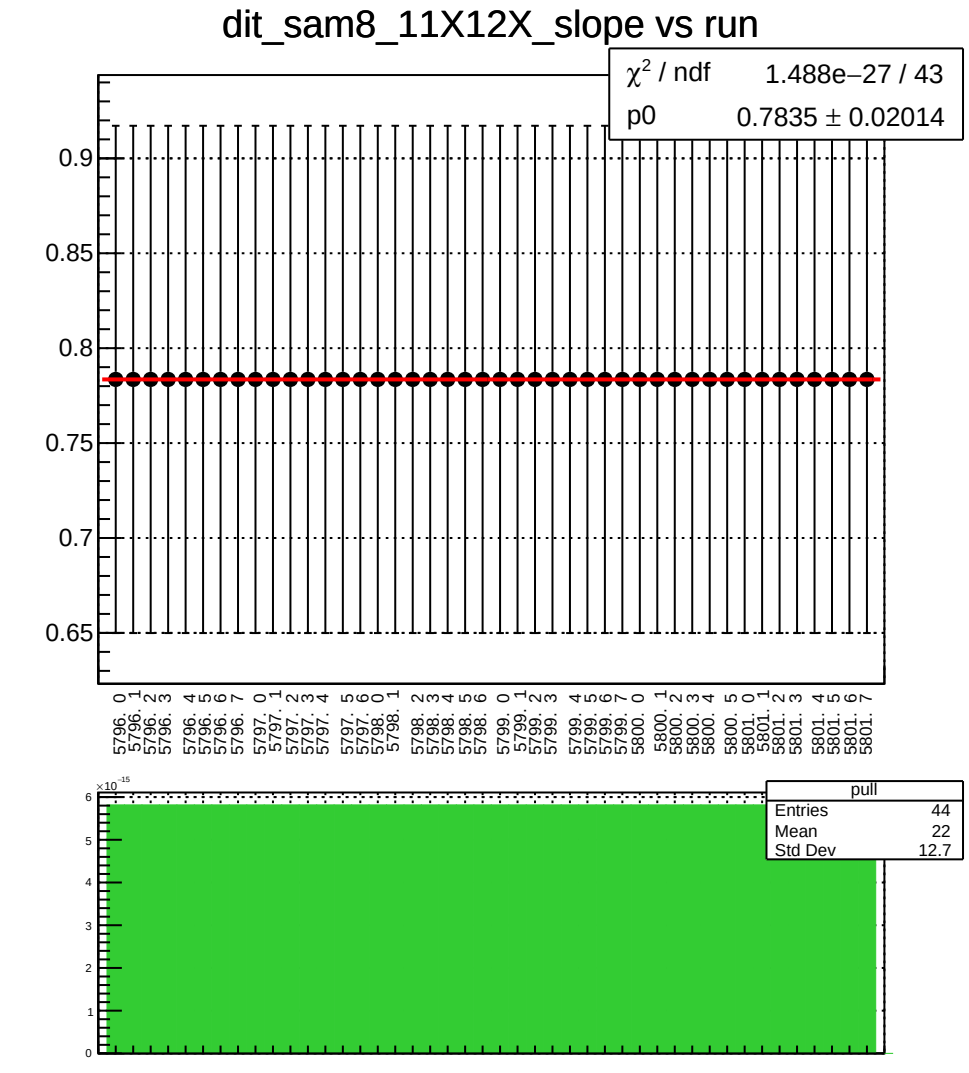

dit_sam7_11X12X_slope vs run
χ² / ndf 4.236e−27 / 43
p0 0.5233 ± 0.008529
0.58
0.56
0.54
0.52
0.5
0.48
0.46
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 9.812e−15
Std Dev 3.818e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

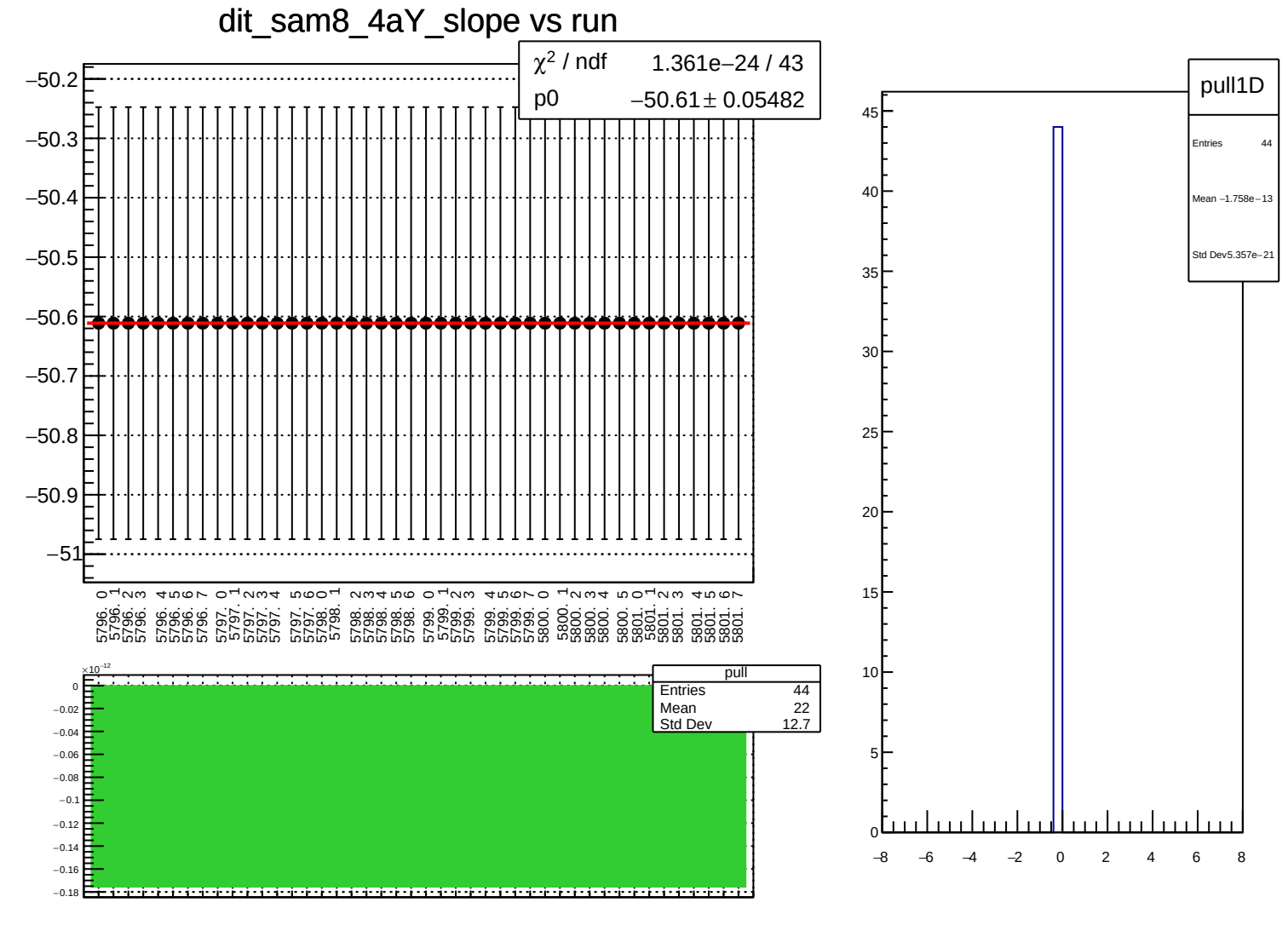

dit_sam7_4aY_slope vs run
χ² / ndf 2.604e−26 / 43
p0 7.737 ± 0.03853
8
7.9
7.8
7.7
7.6
7.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 2.433e−14
Std Dev 5.187e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

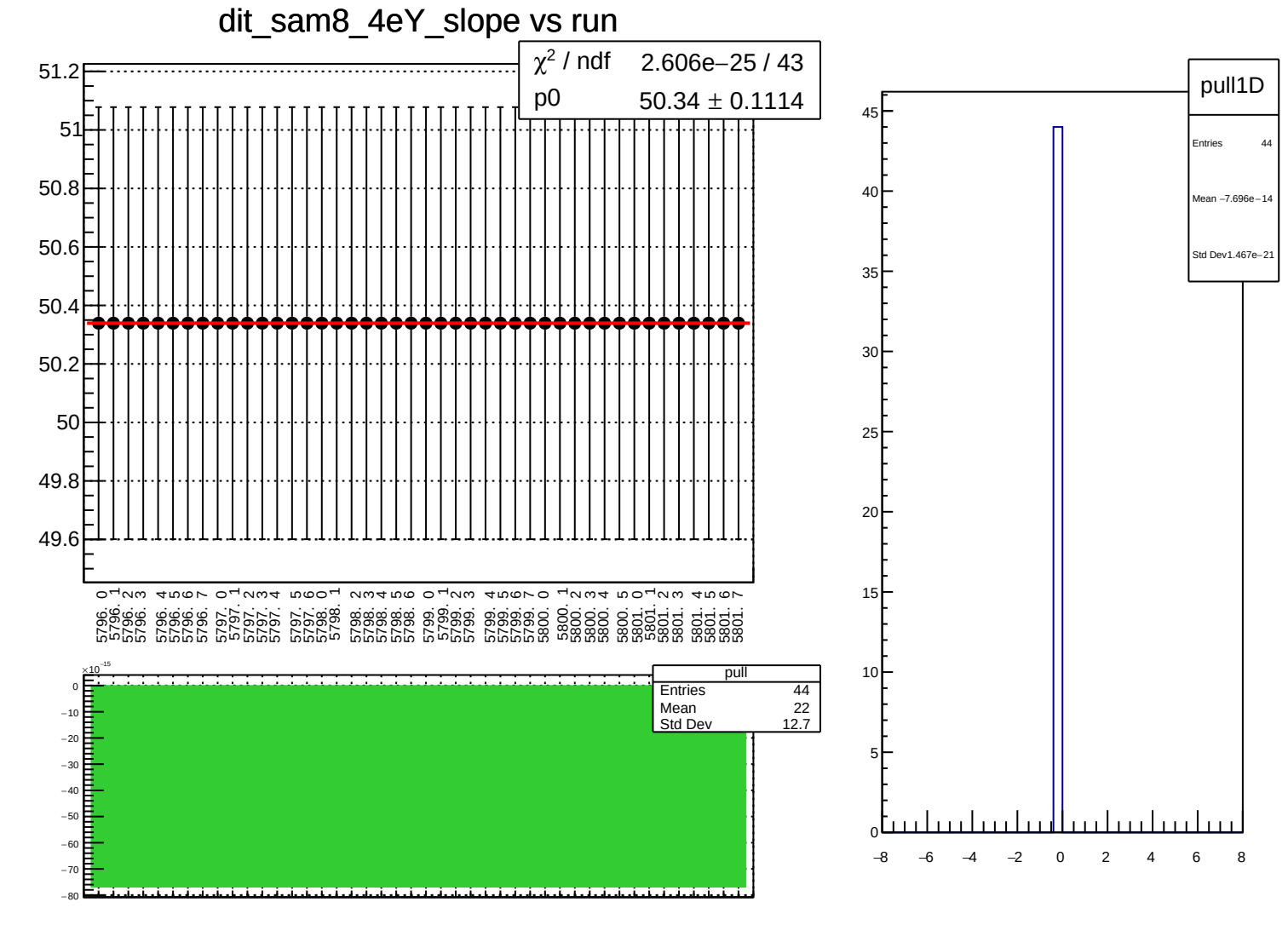

dit_sam7_4eY_slope vs run
χ² / ndf 6.917e−27 / 43
p0 −12 ± 0.04272
−11.7
−11.8
−11.9
−12
−12.1
−12.2
−12.3
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 1.254e−14
Std Dev 2.593e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

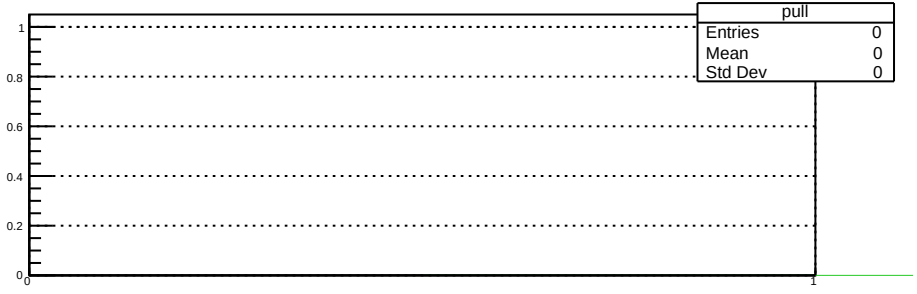

dit_sam8_4aX_slope vs run
χ² / ndf 1.093e−26 / 43
p0 27.61 ± 0.1019
28.4
28.2
28
27.8
27.6
27.4
27.2
27
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −1.576e−14
Std Dev 6.353e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

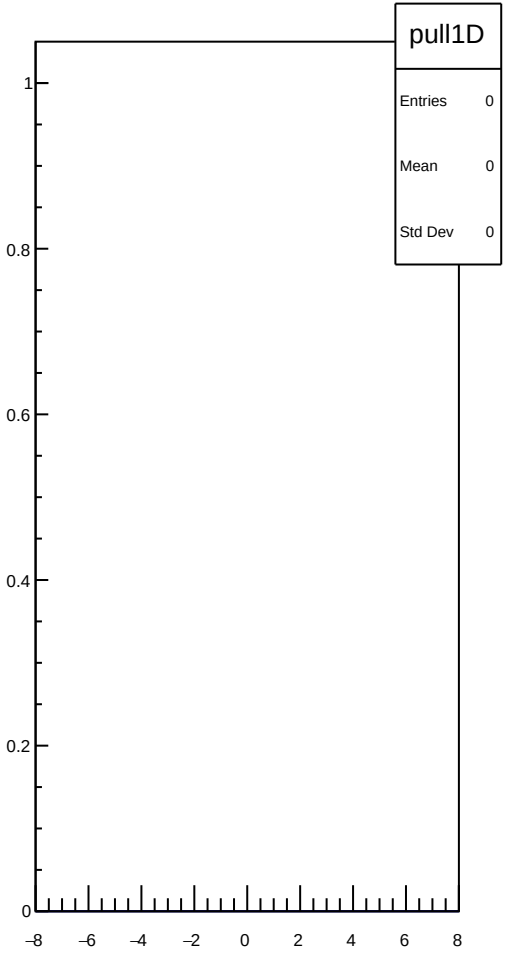

dit_sam8_4eX_slope vs run
χ² / ndf 2.778e−27 / 43
p0 −42.47 ± 0.1348
−41.5
−42
−42.5
−43
−43.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 7.945e−15
Std Dev 2.368e−22

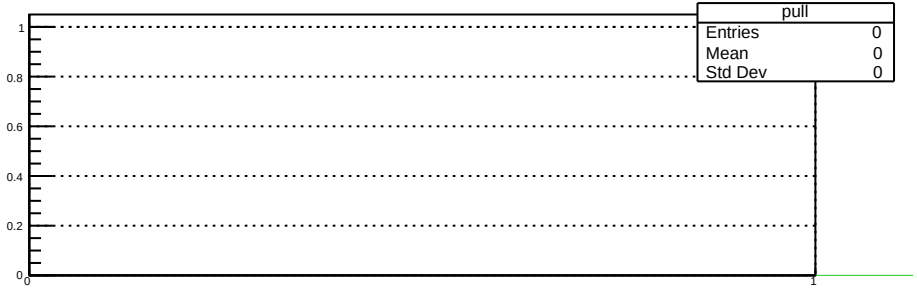

dit_sam8_11X12X_slope vs run
χ² / ndf 1.488e−27 / 43
p0 0.7835 ± 0.02014
0.9
0.85
0.8
0.75
0.7
0.65
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
6
5
4
3
2
1
0
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean 5.816e−15
Std Dev1.674e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

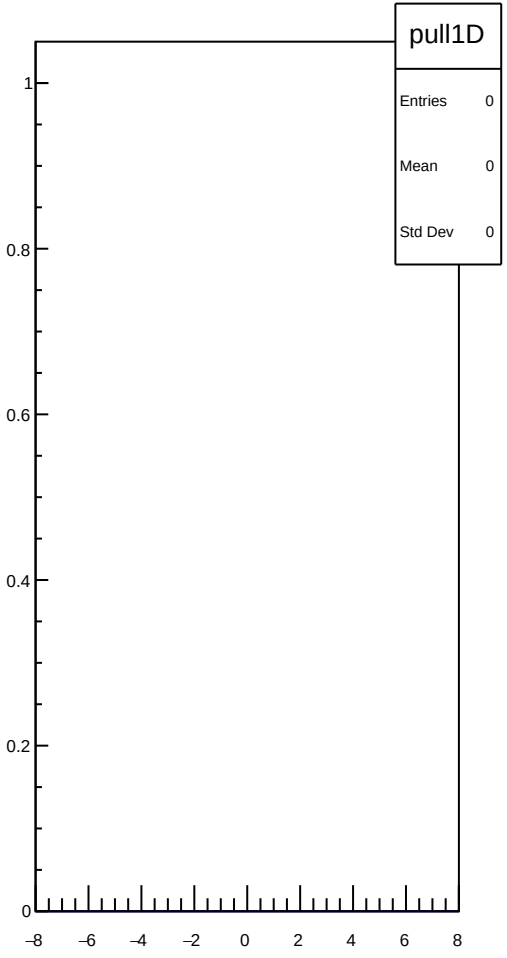

dit_sam8_4aY_slope vs run
χ² / ndf 1.361e−24 / 43
p0 −50.61 ± 0.05482
−50.2
−50.3
−50.4
−50.5
−50.6
−50.7
−50.8
−50.9
−51
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −1.758e−13
Std Dev5.357e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

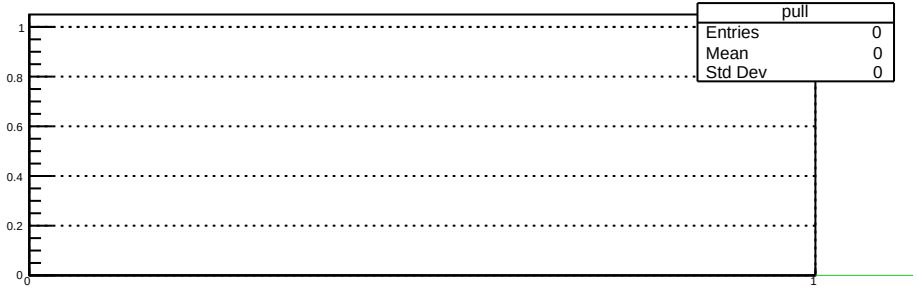

dit_sam8_4eY_slope vs run
χ² / ndf 2.606e−25 / 43
p0 50.34 ± 0.1114
51.2
51
50.8
50.6
50.4
50.2
50
49.8
49.6
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull
Entries 44
Mean 22
Std Dev 12.7
pull1D
Entries 44
Mean −7.696e−14
Std Dev1.467e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

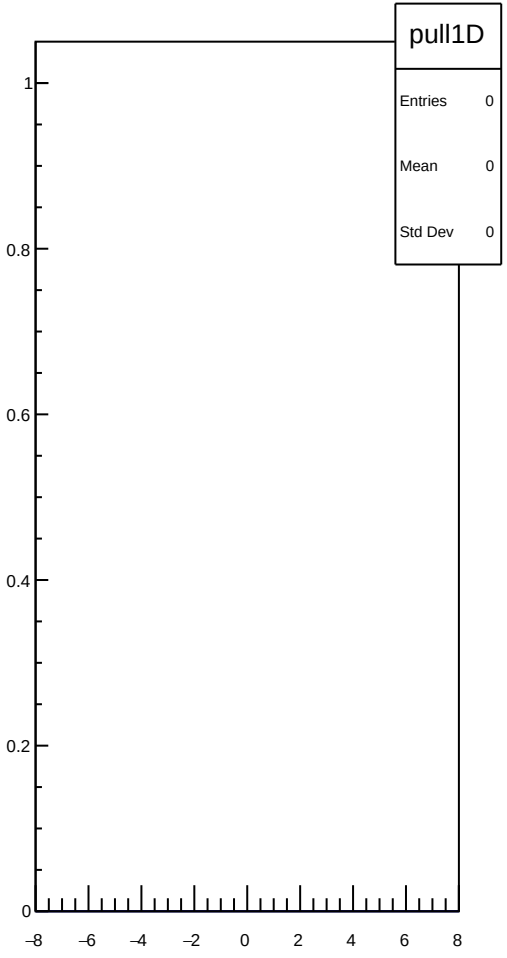

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

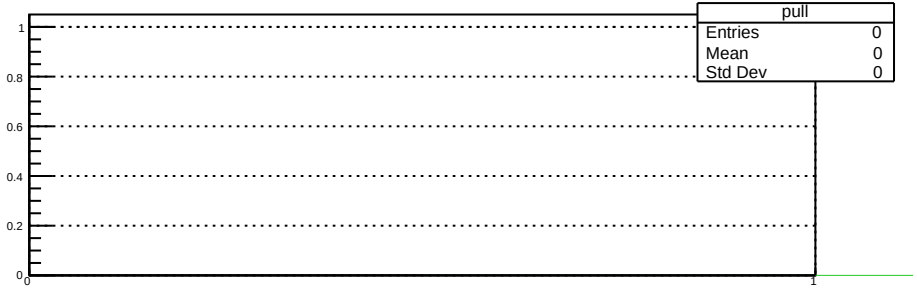

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

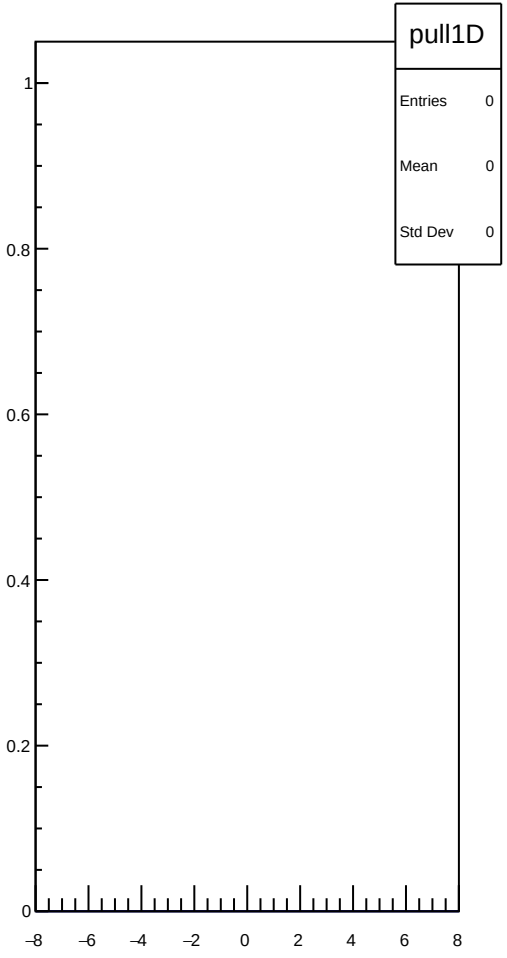

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

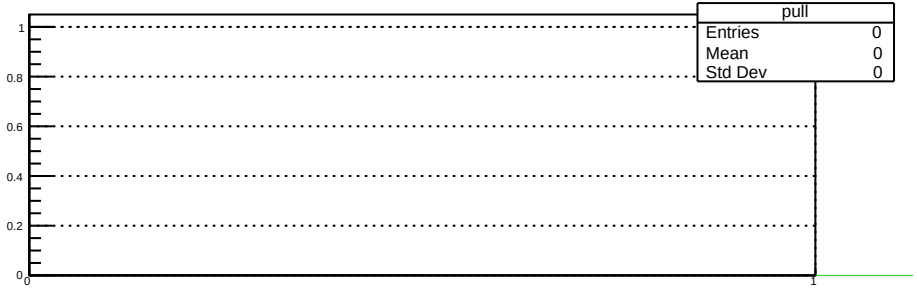

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

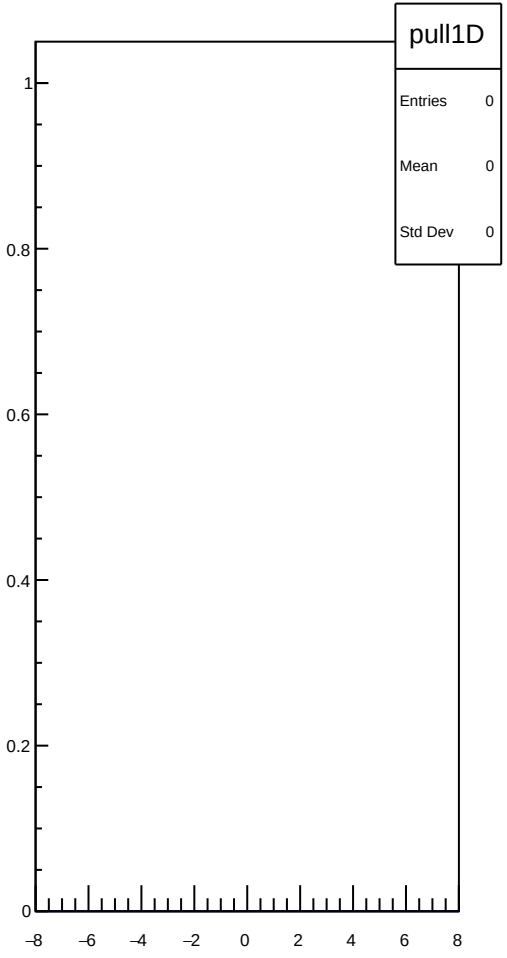

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

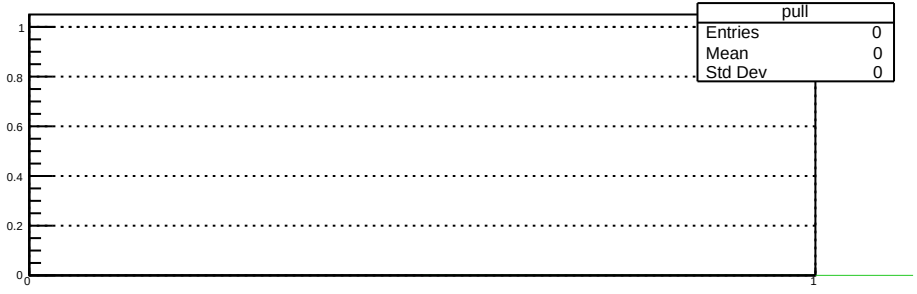

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

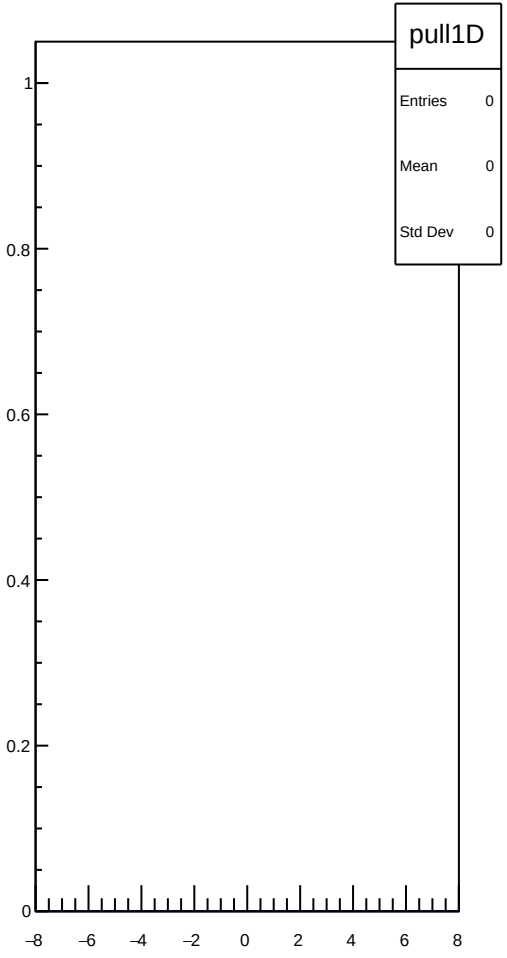

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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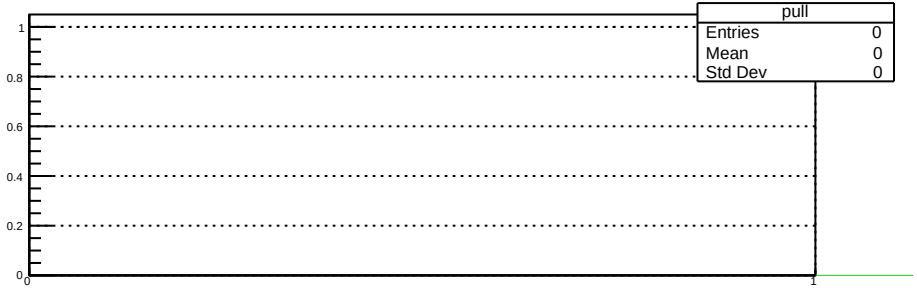

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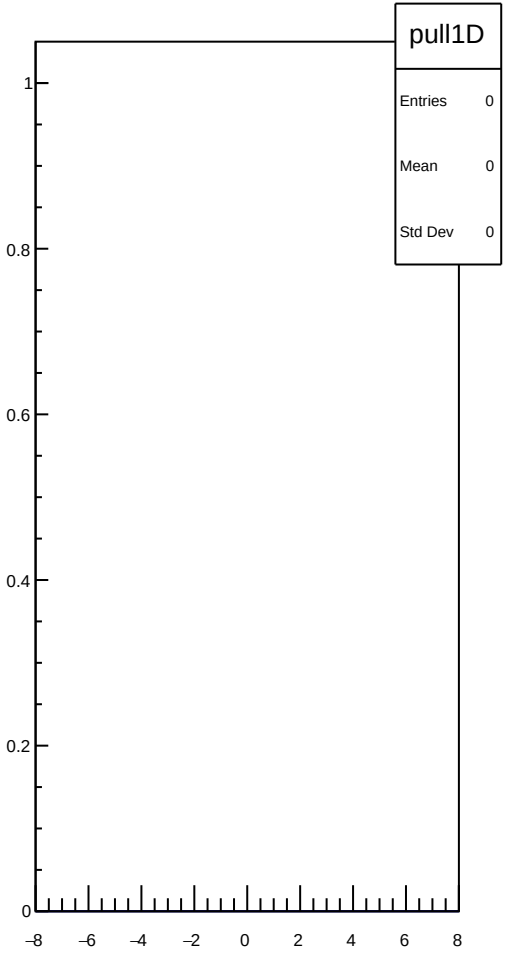

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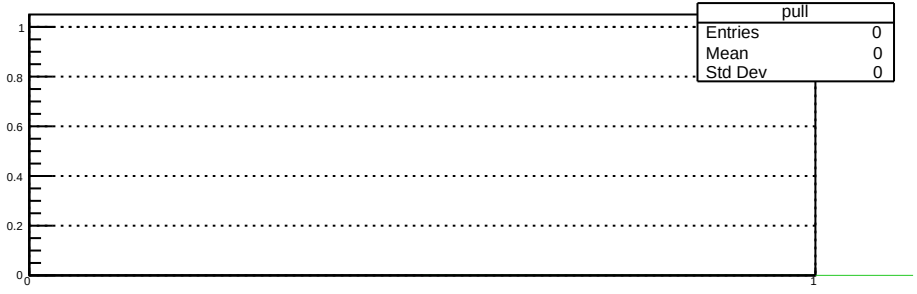

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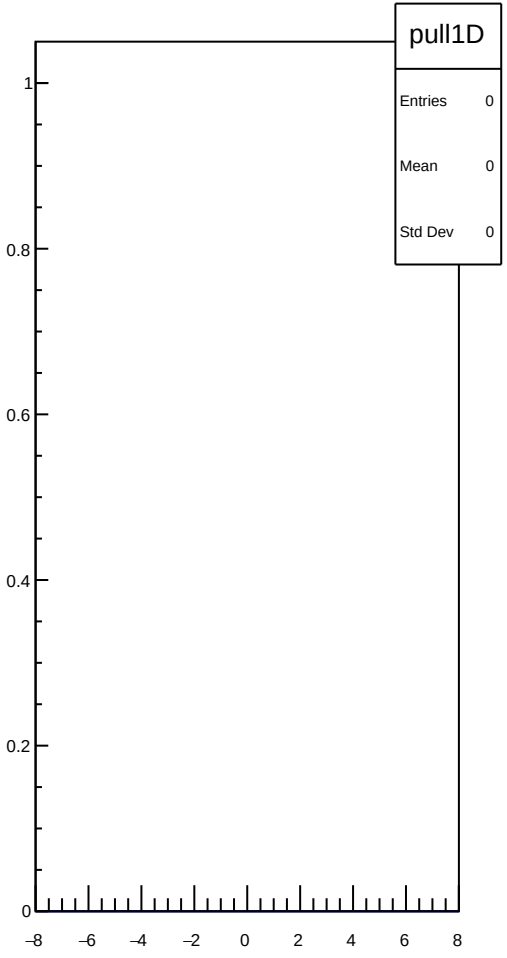

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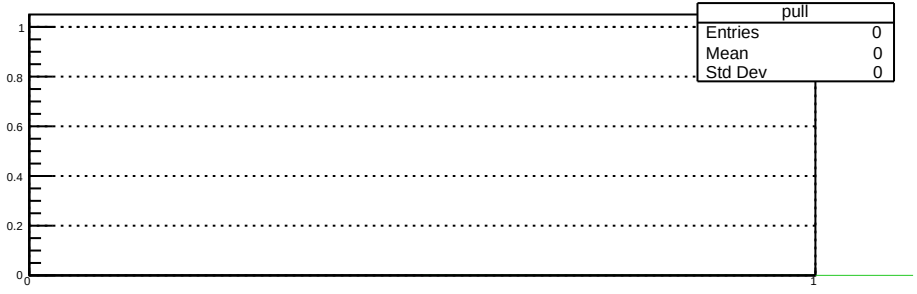

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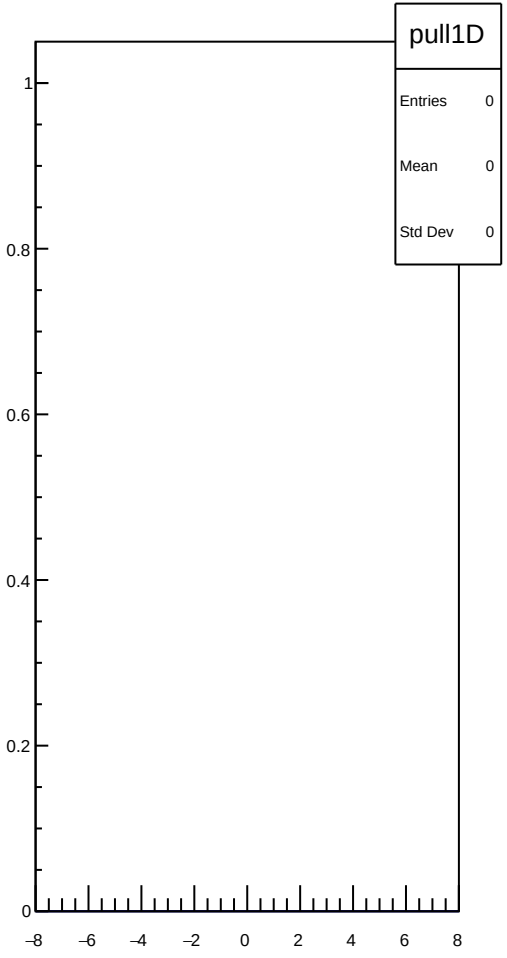

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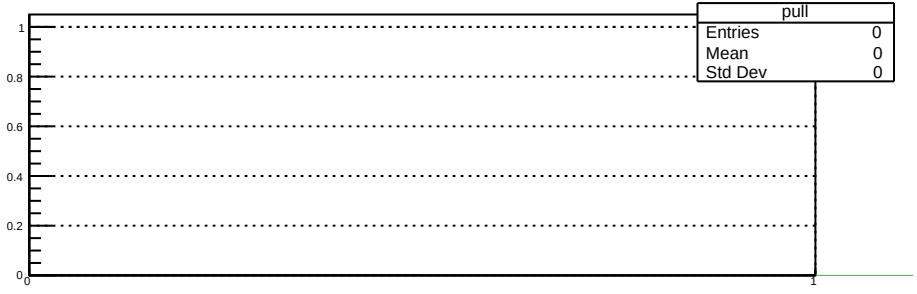

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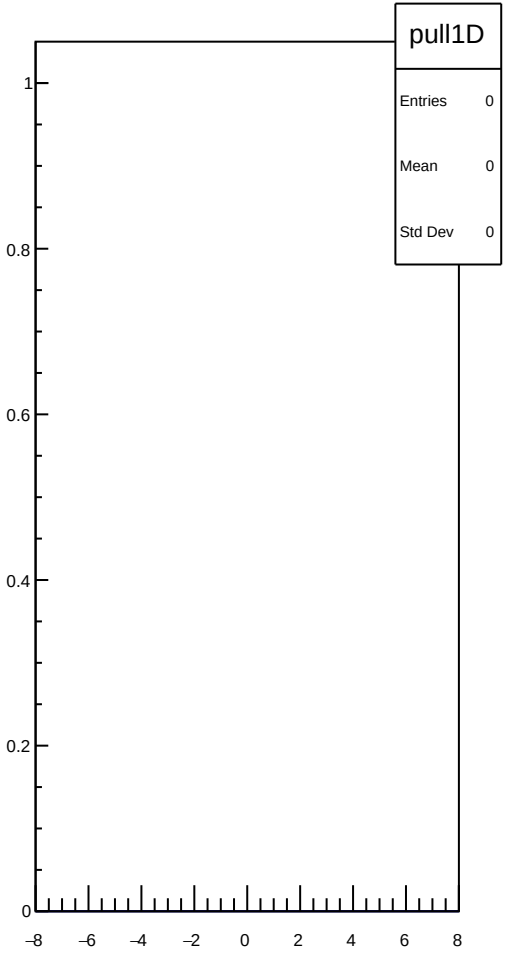

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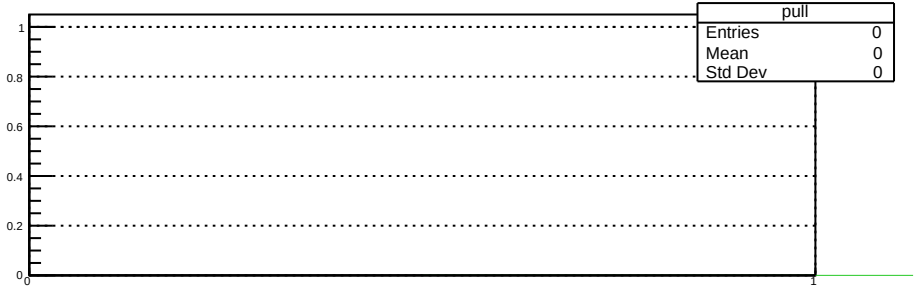

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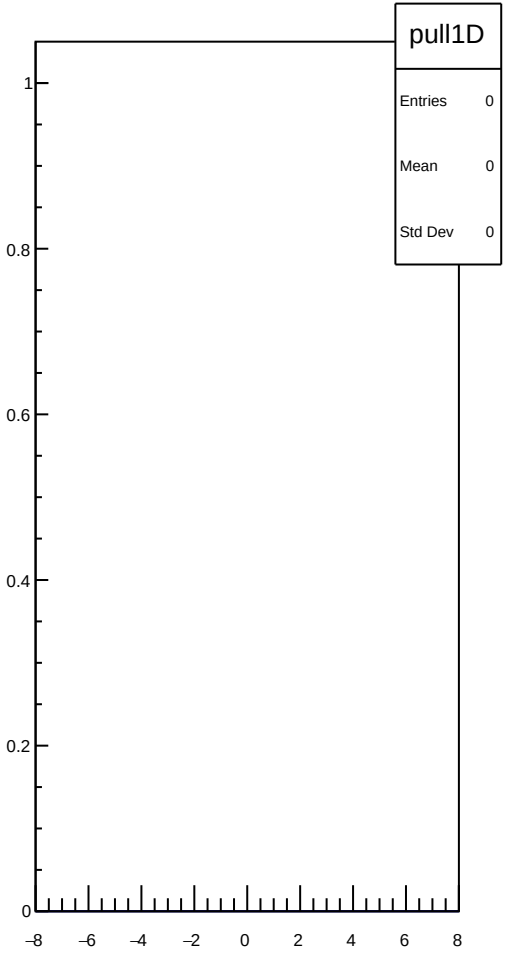

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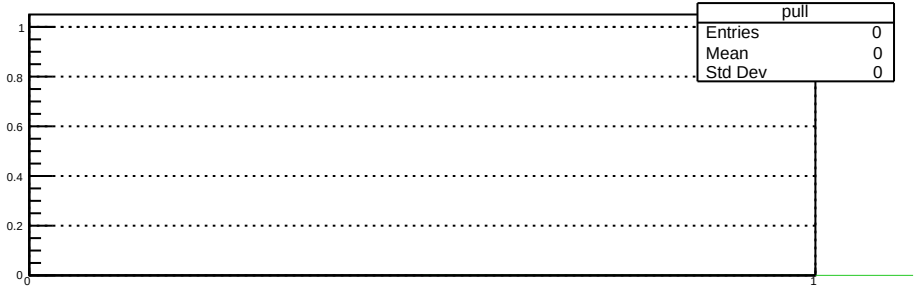

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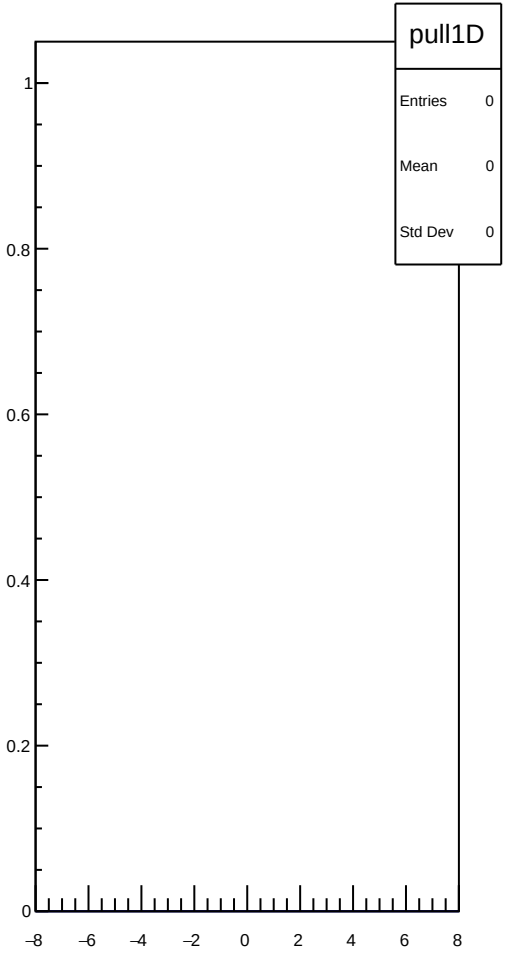

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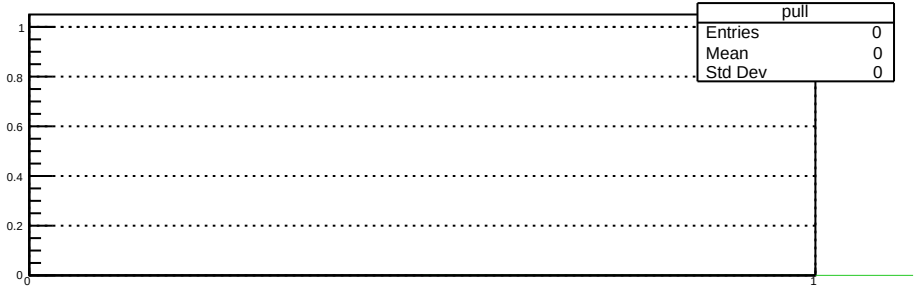

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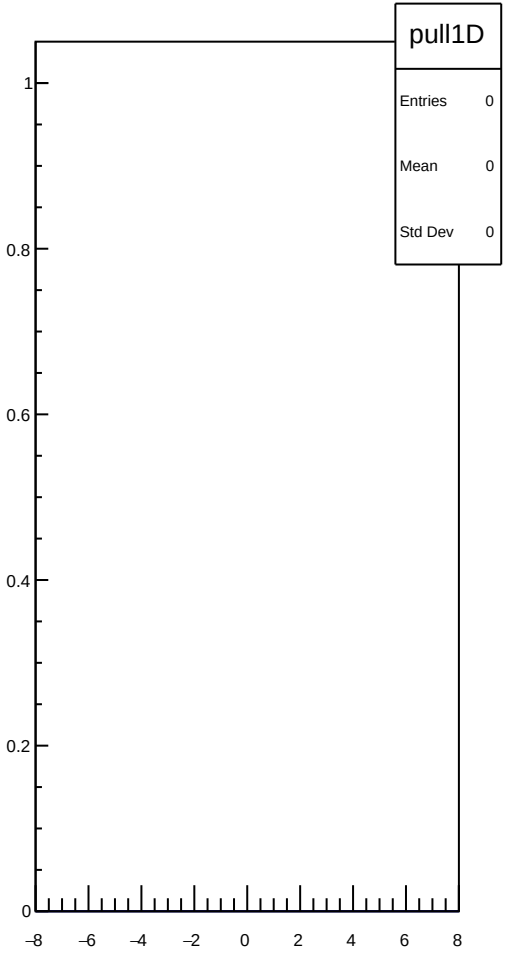

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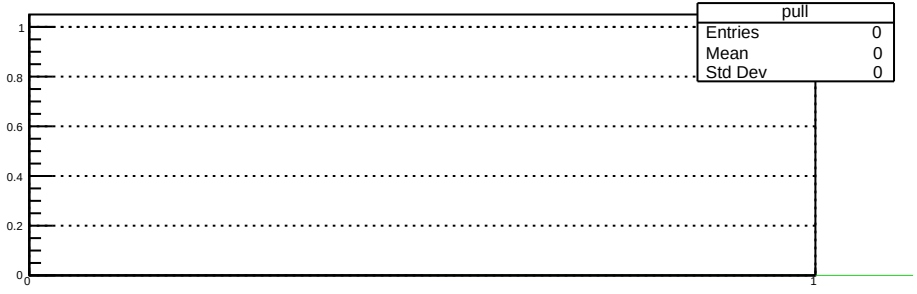

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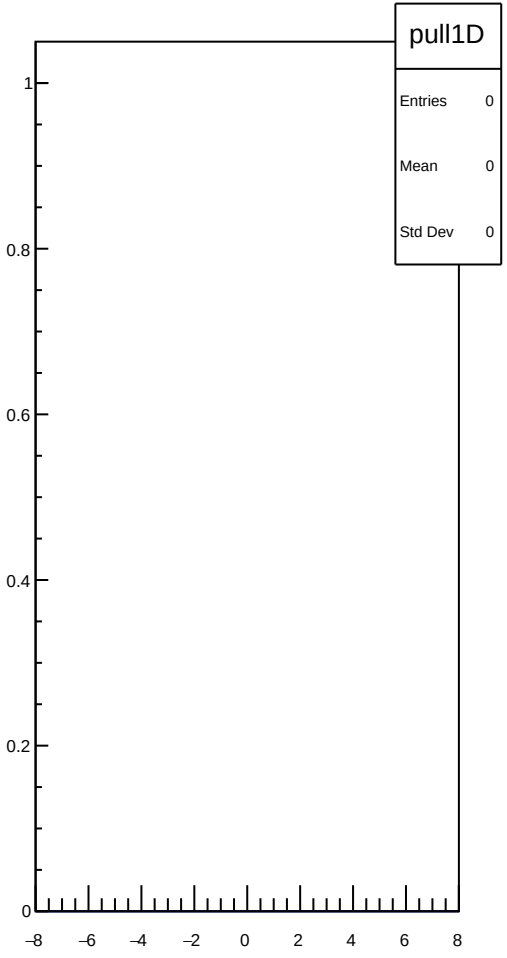

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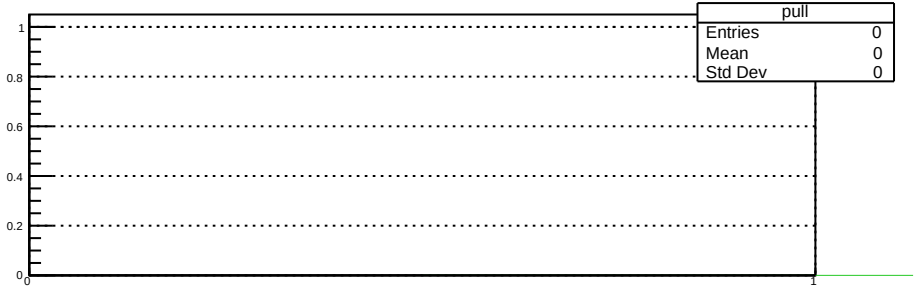

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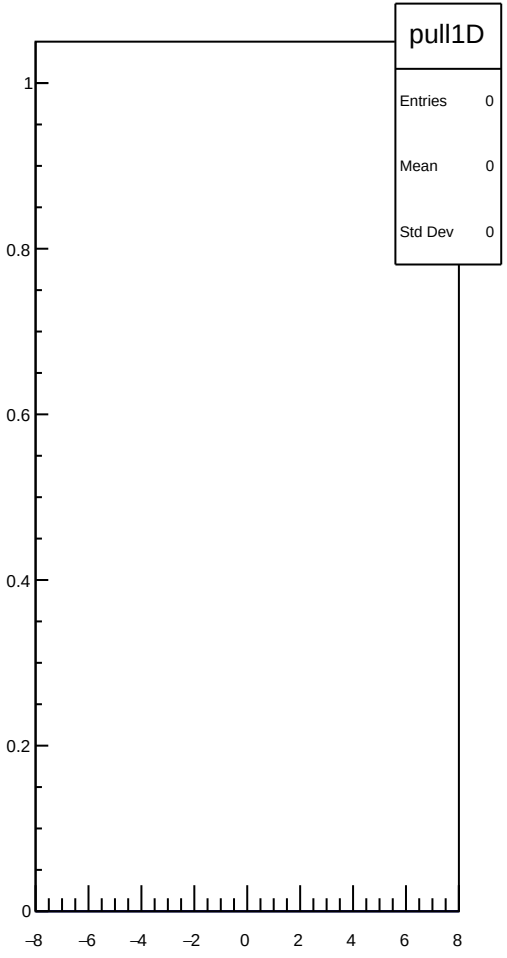

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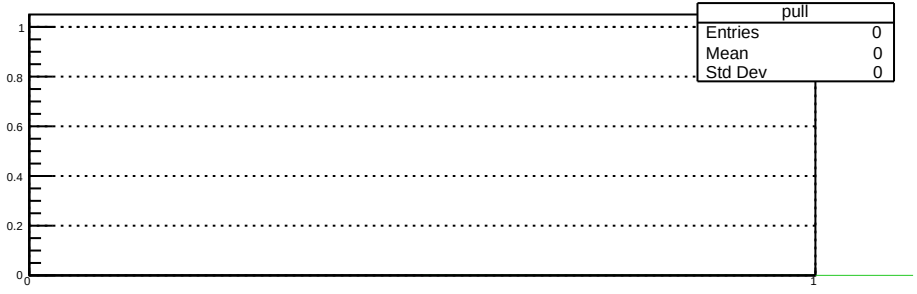

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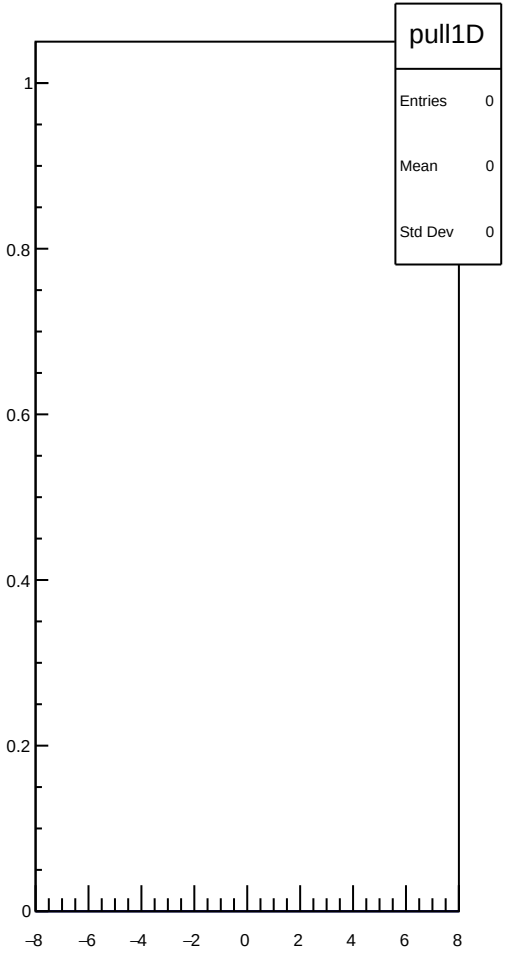

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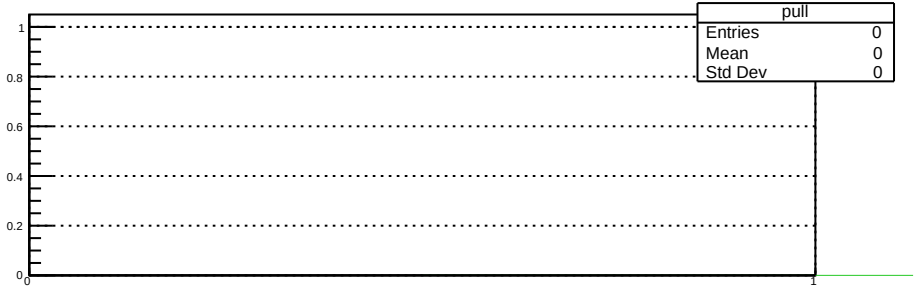

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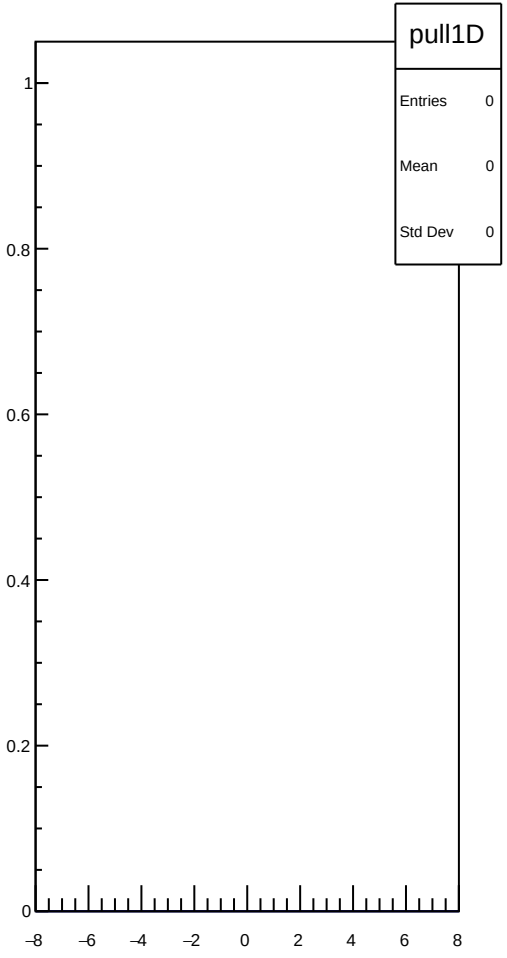

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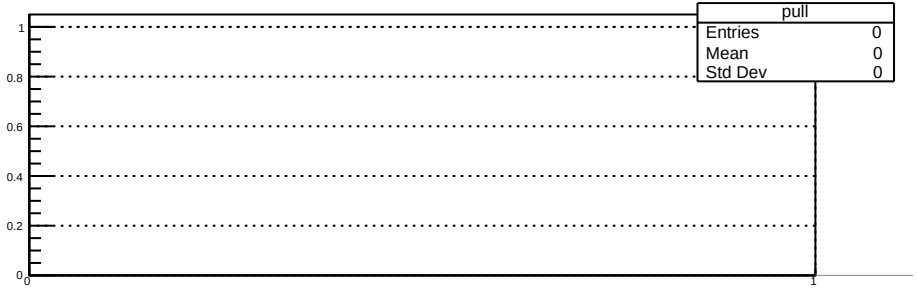

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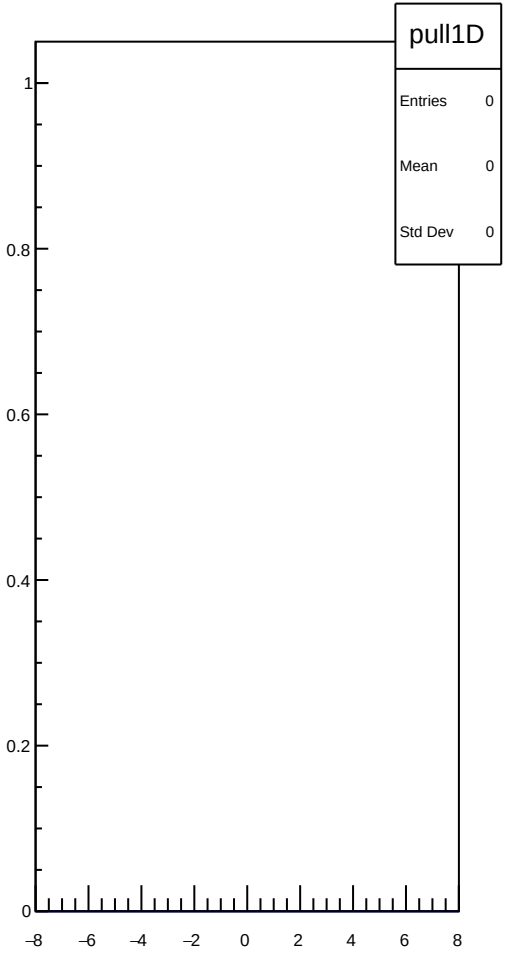

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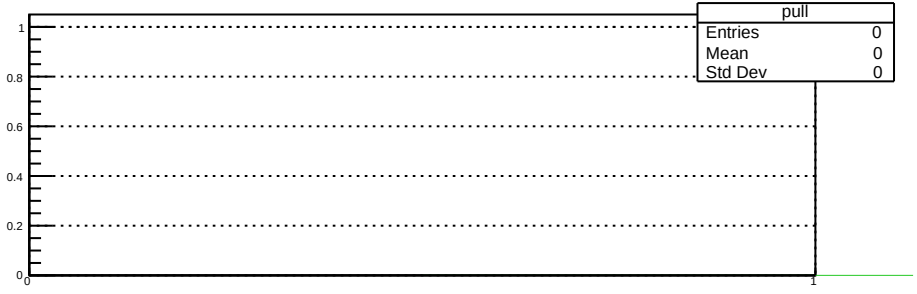

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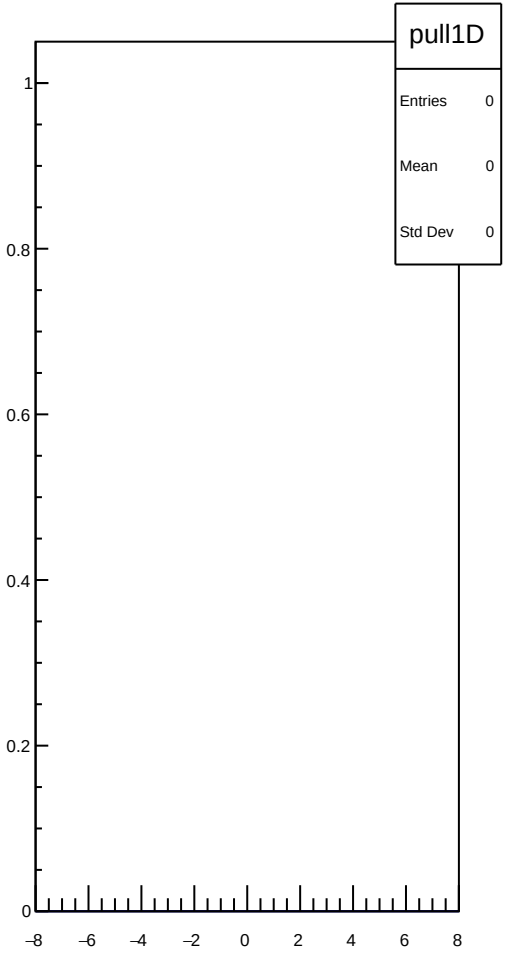

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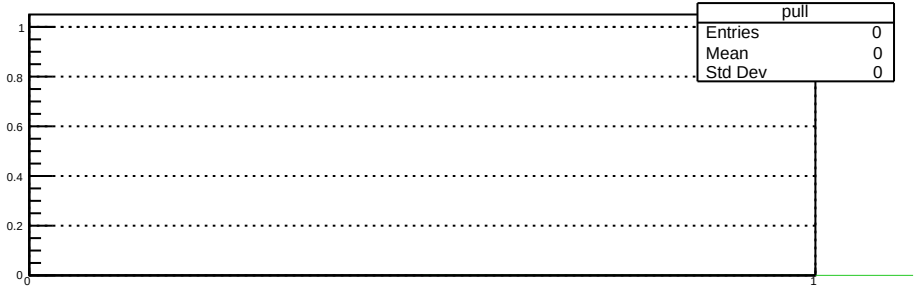

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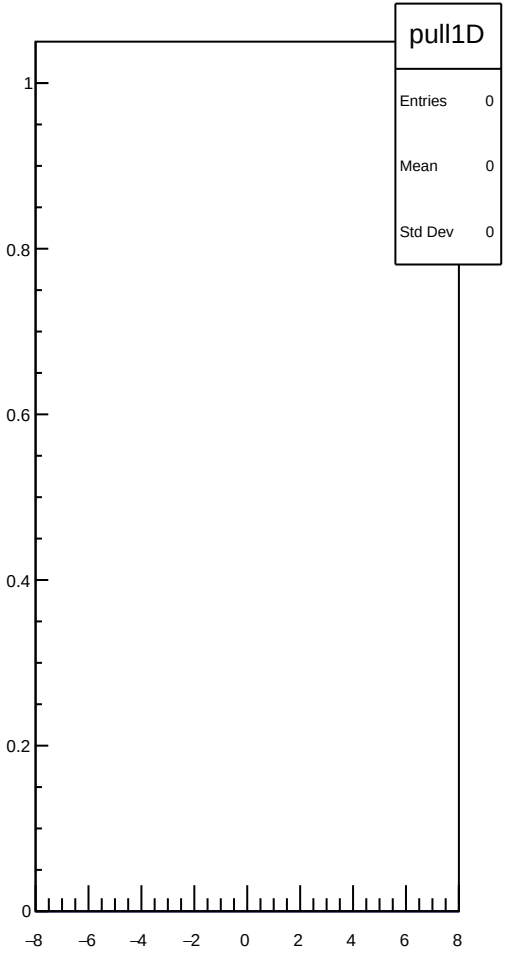

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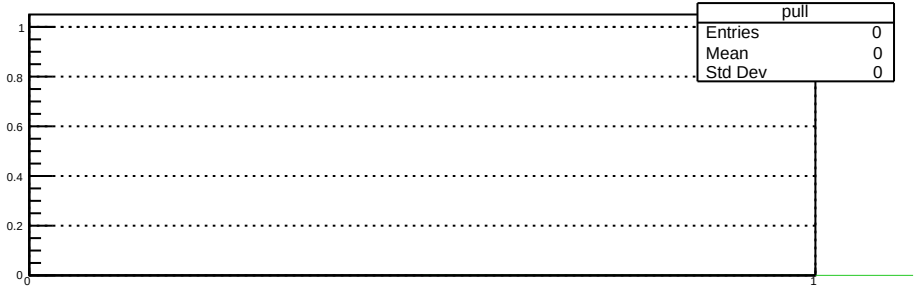

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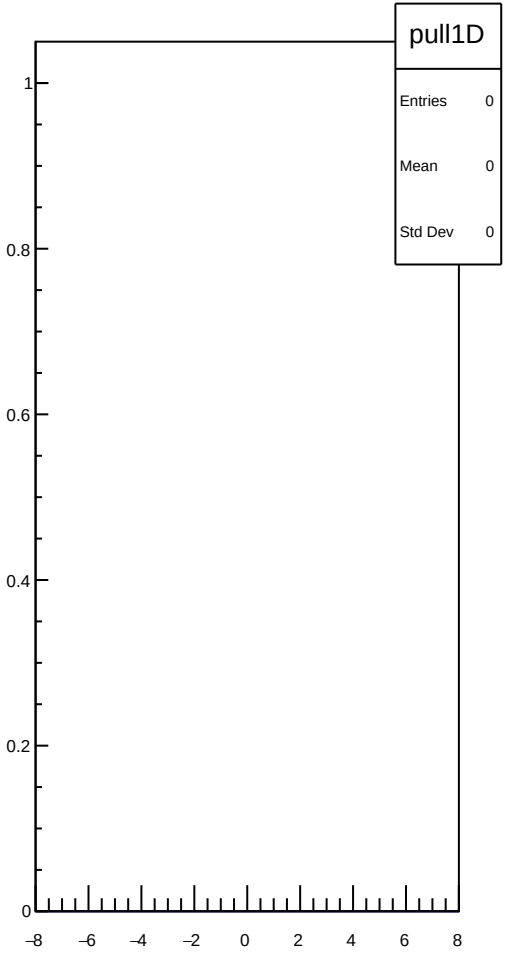

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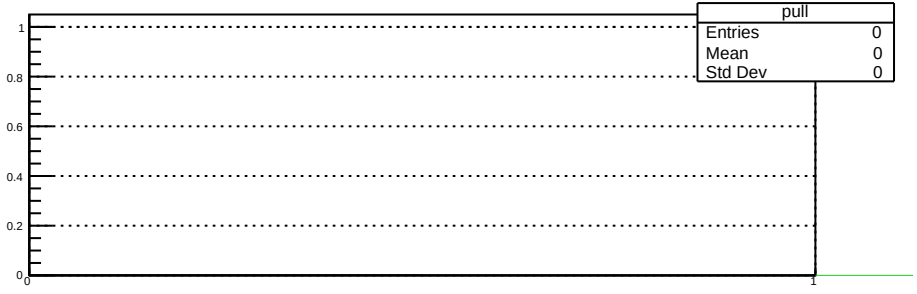

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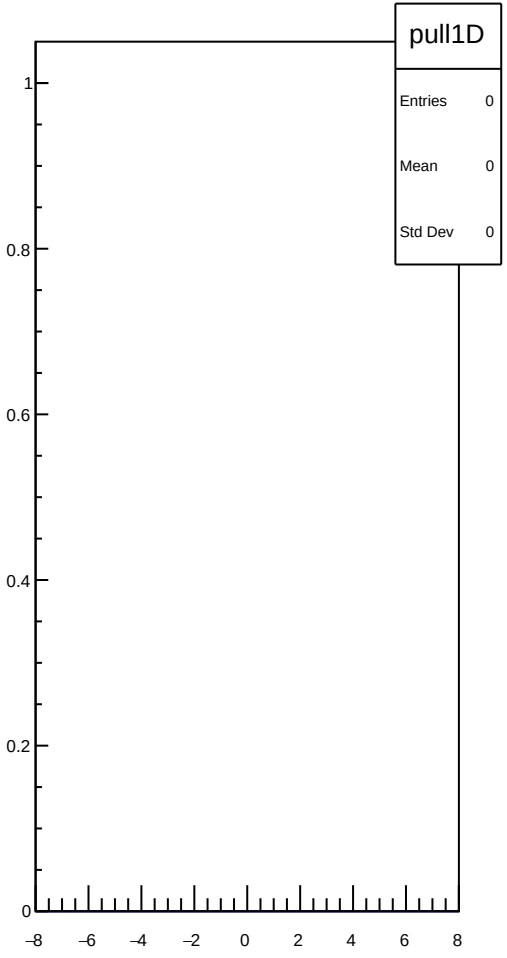

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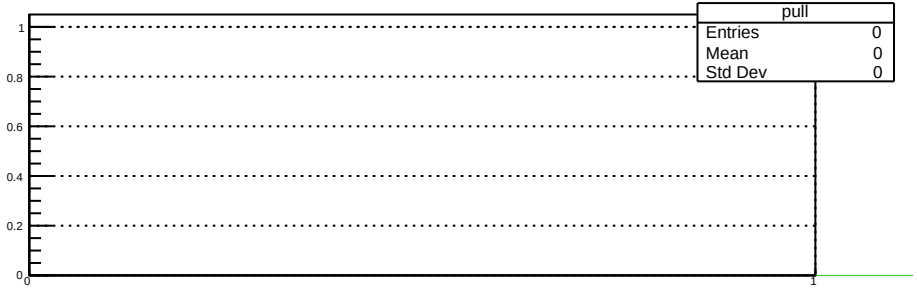

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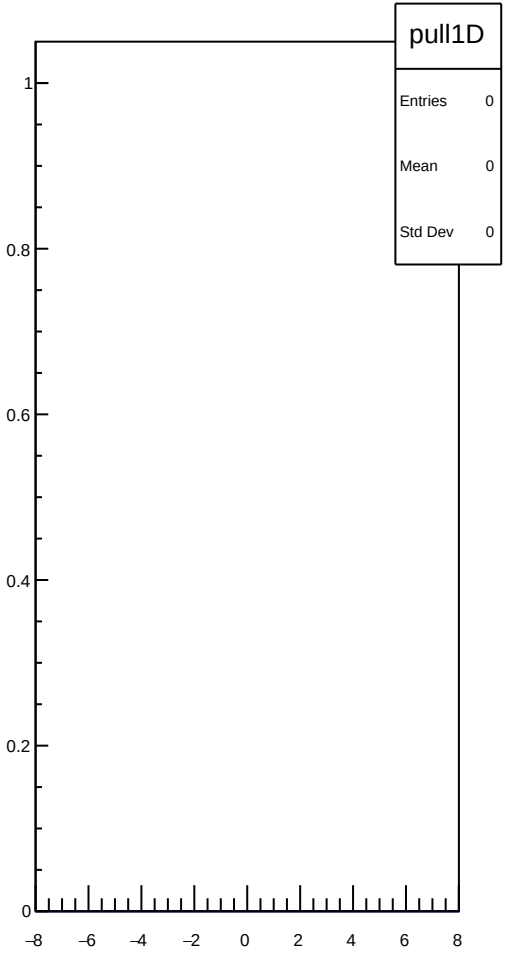

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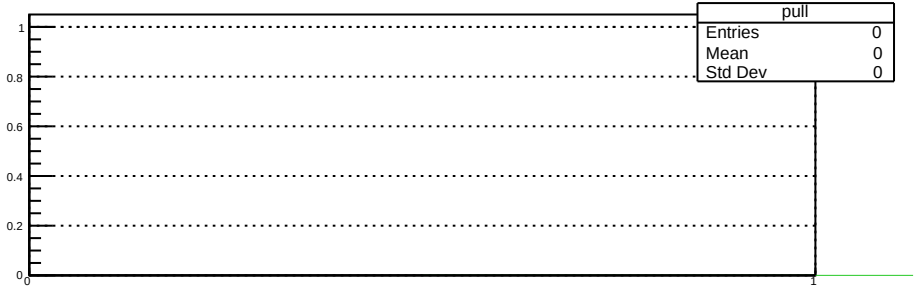

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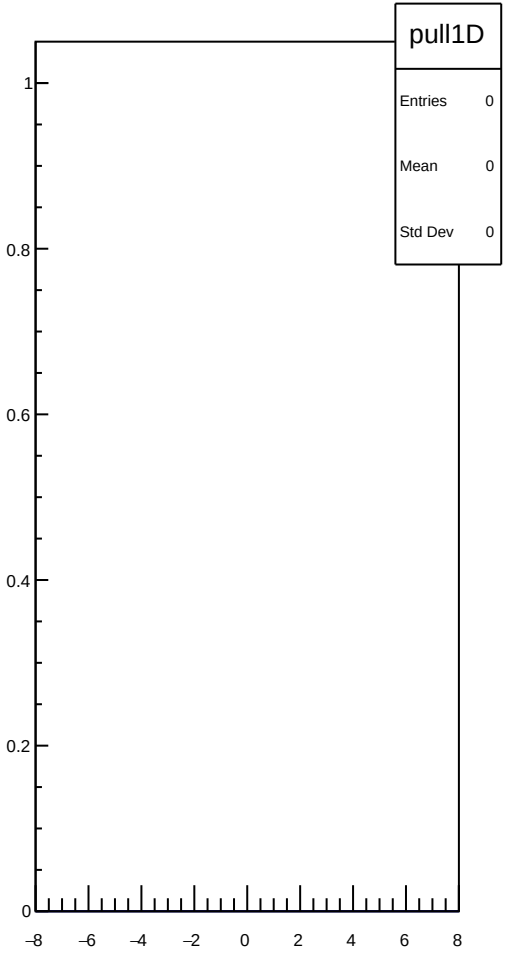

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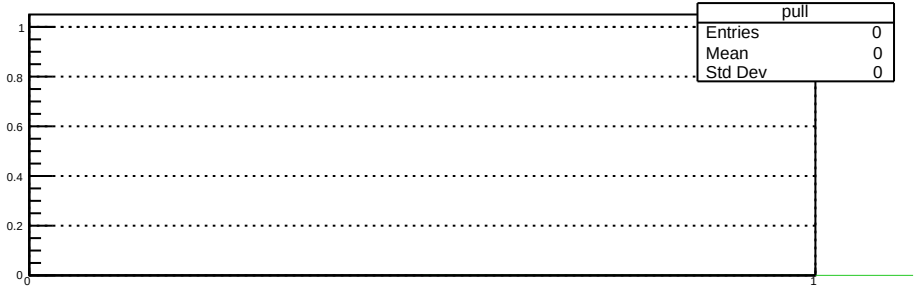

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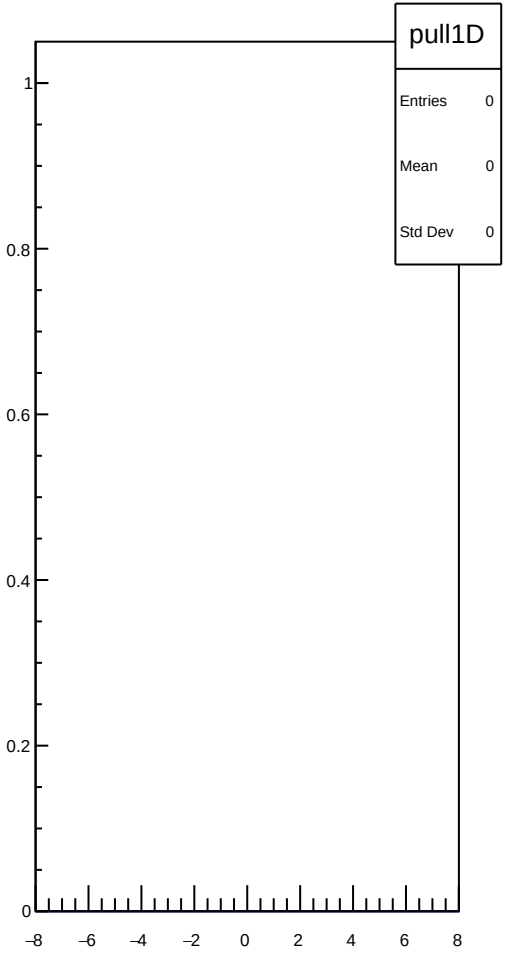

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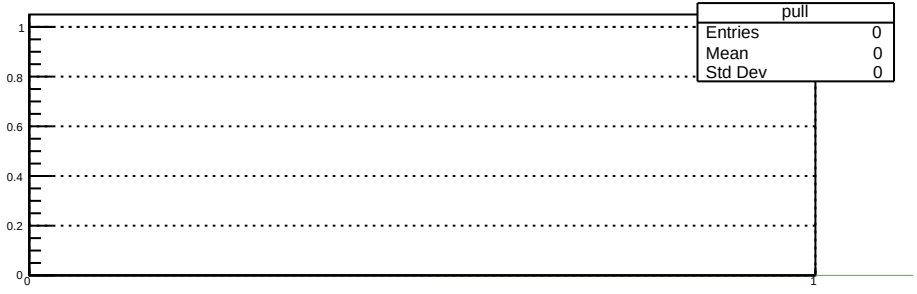

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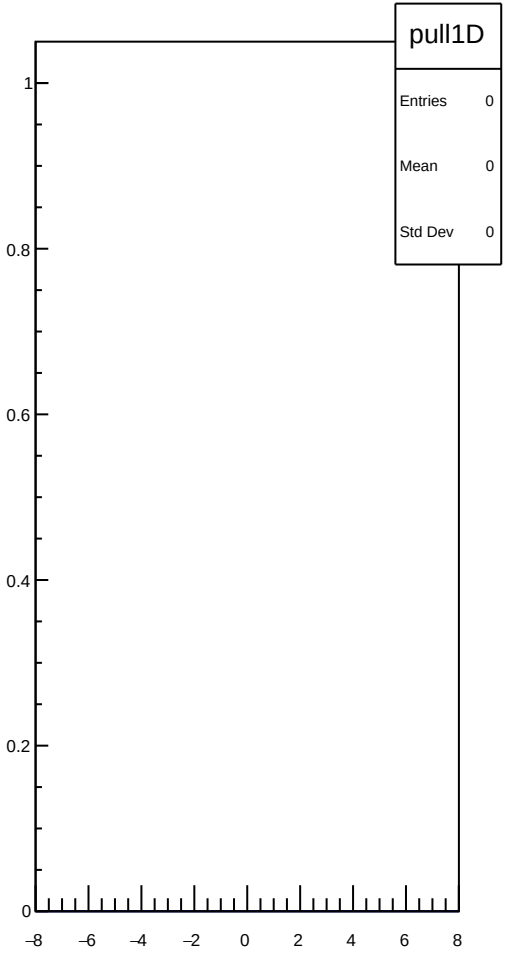

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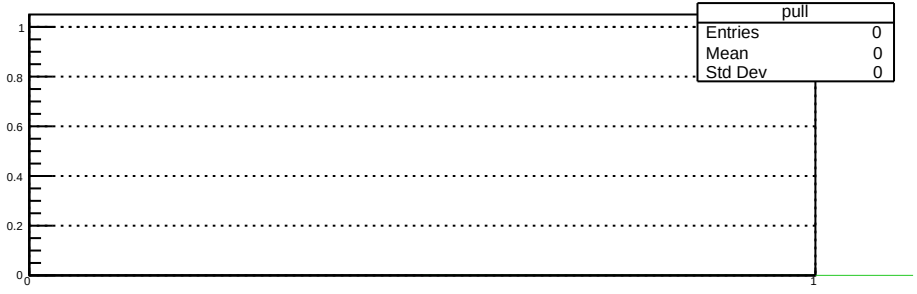

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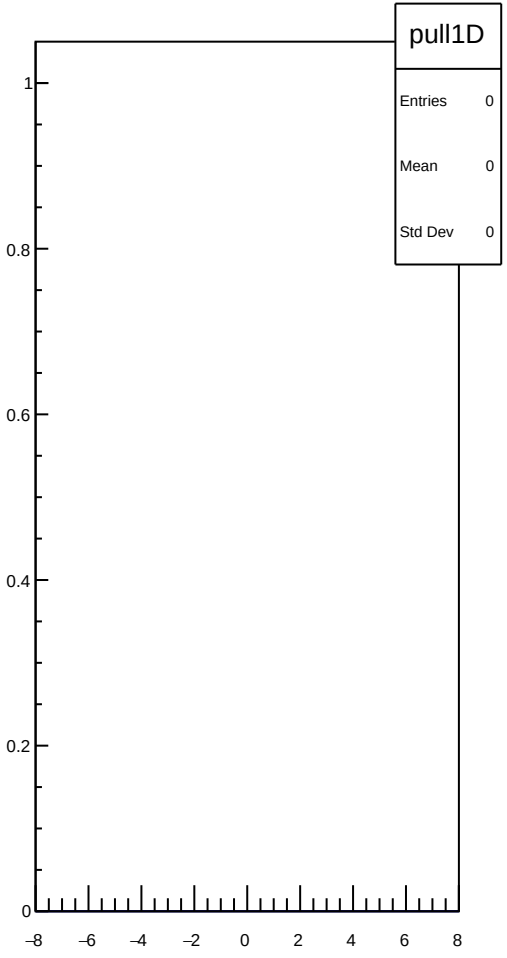

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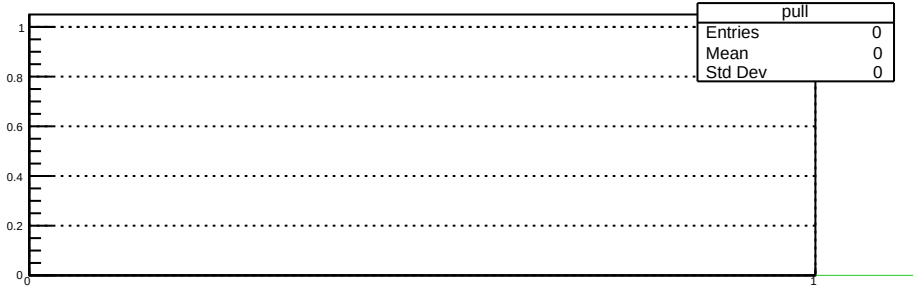

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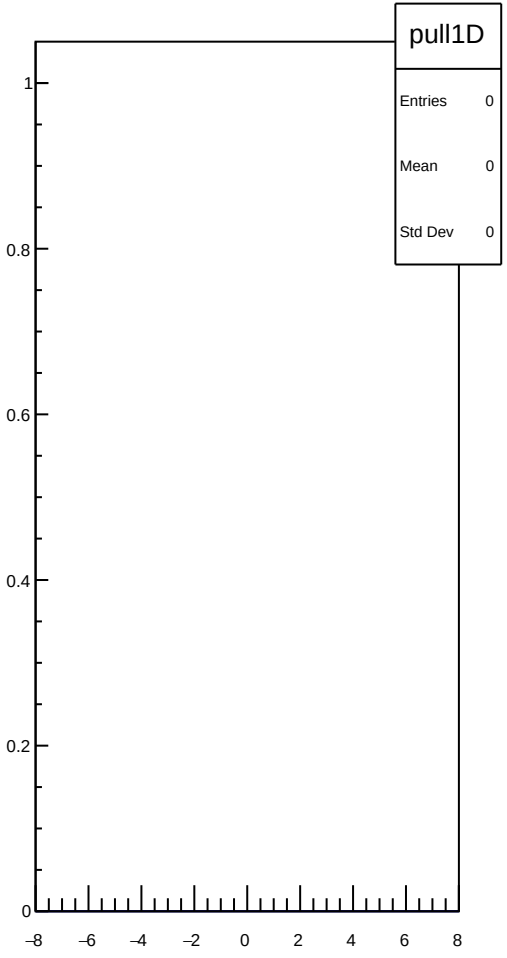

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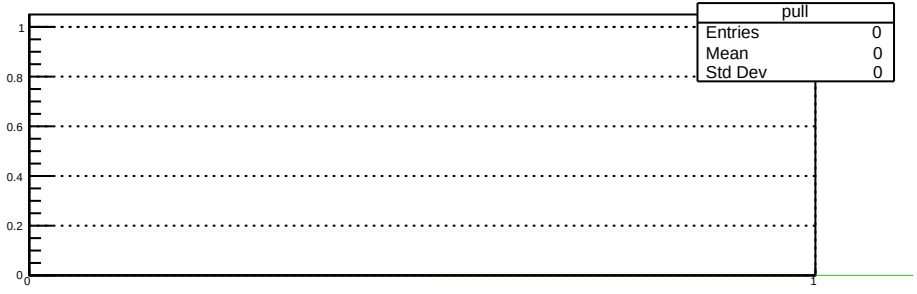

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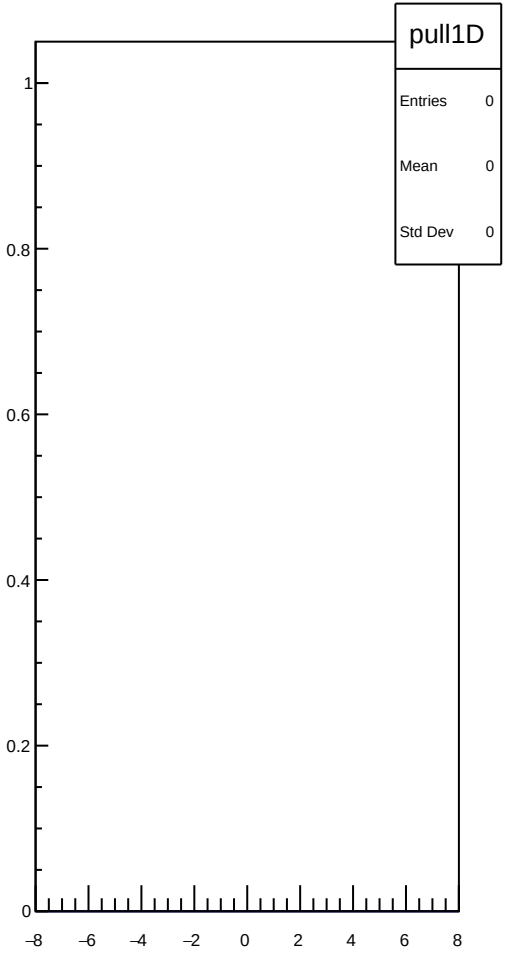

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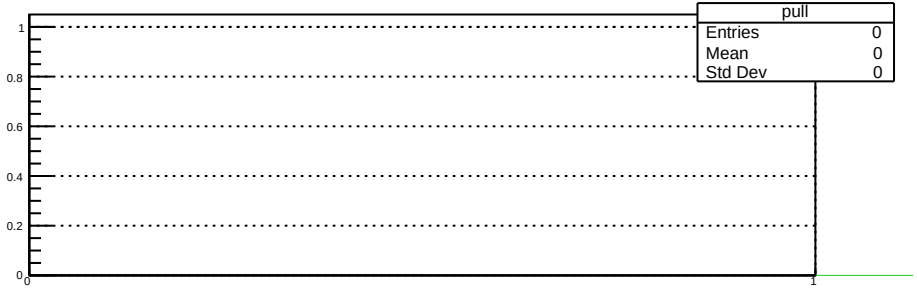

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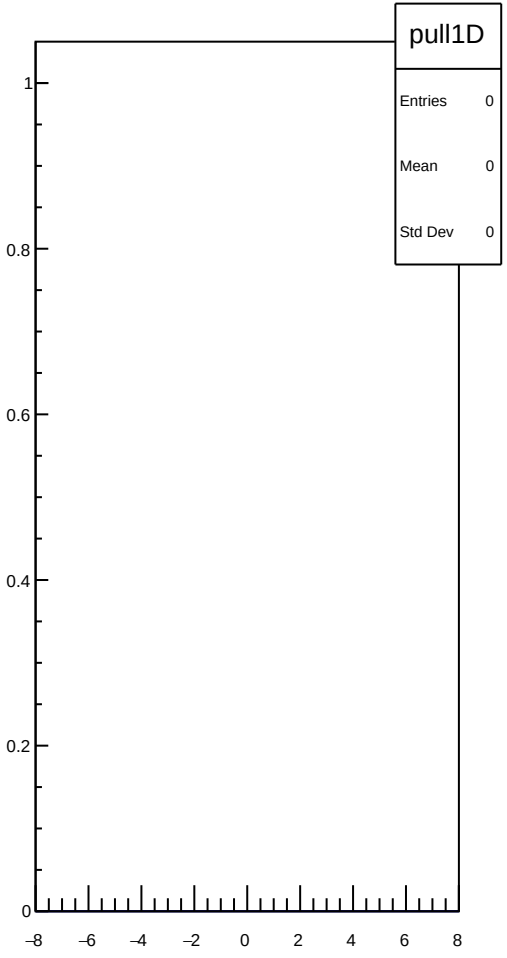

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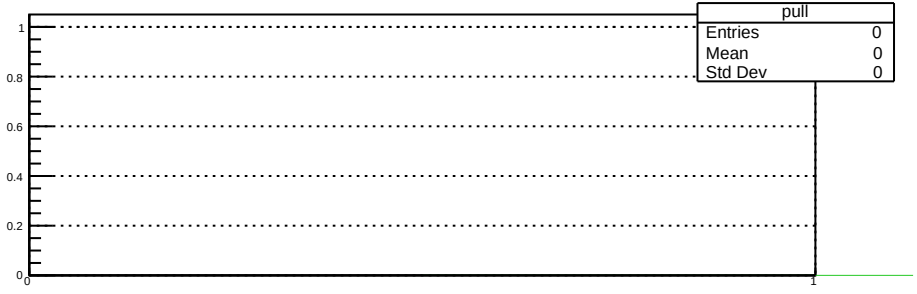

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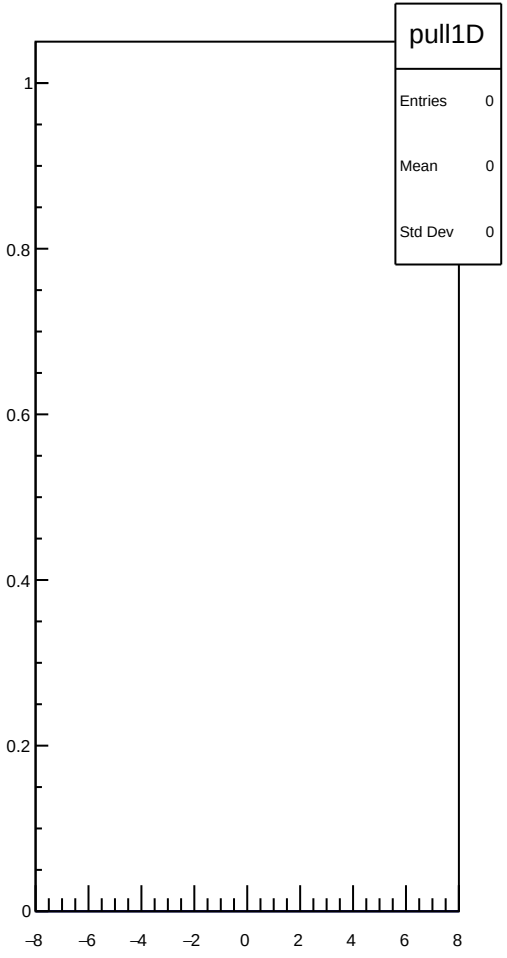

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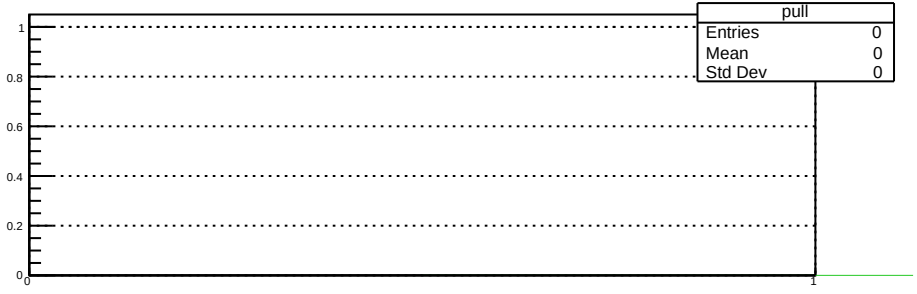

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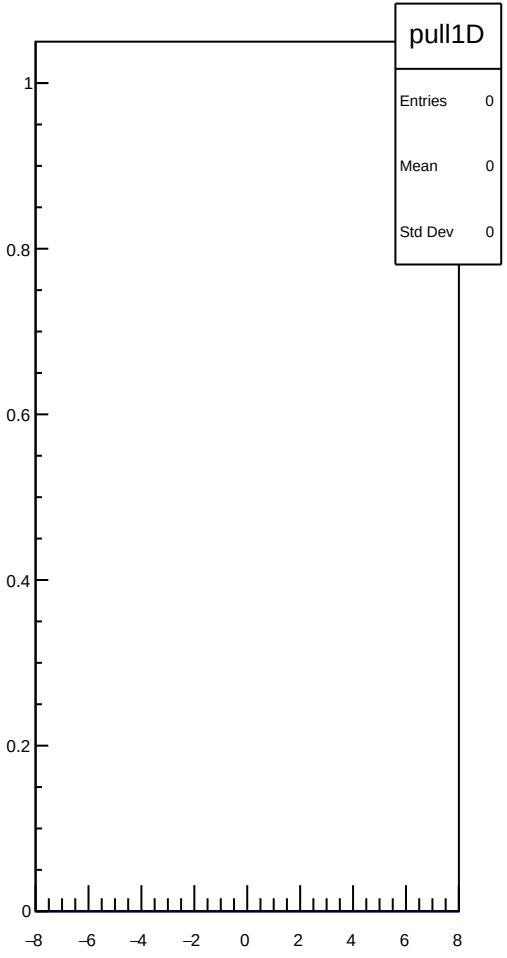

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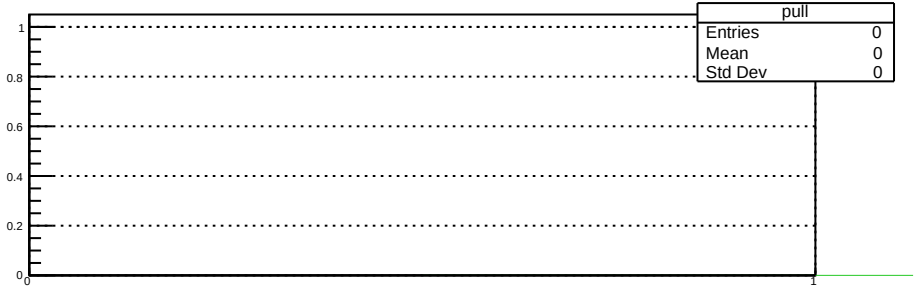

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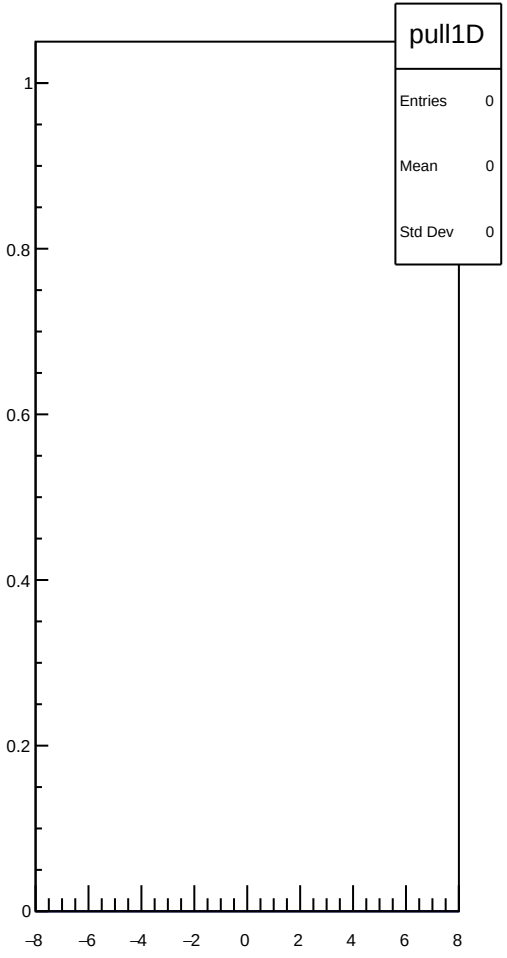

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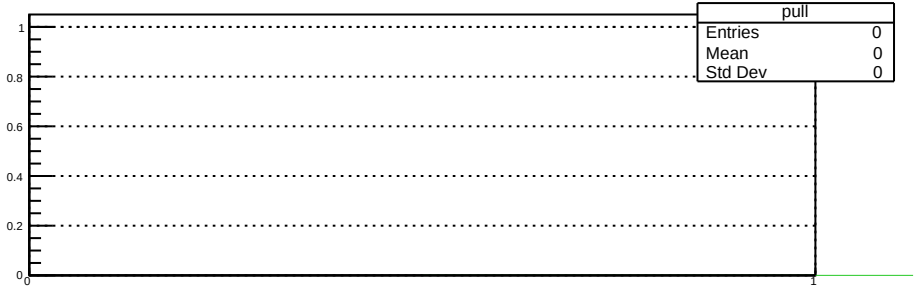

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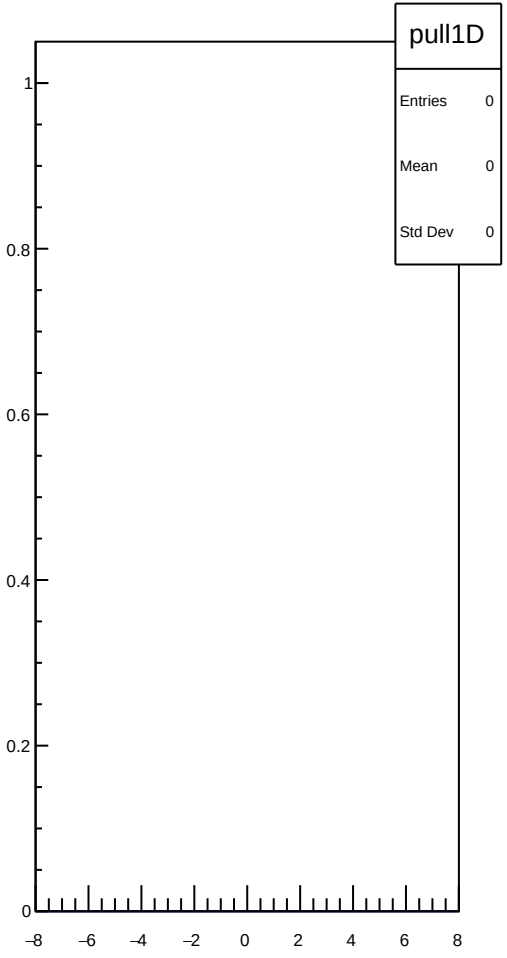

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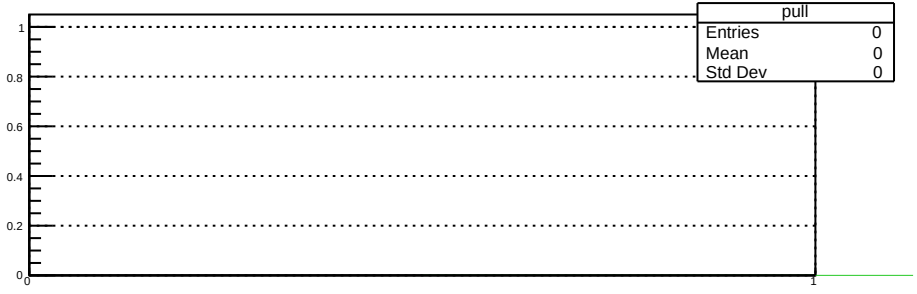

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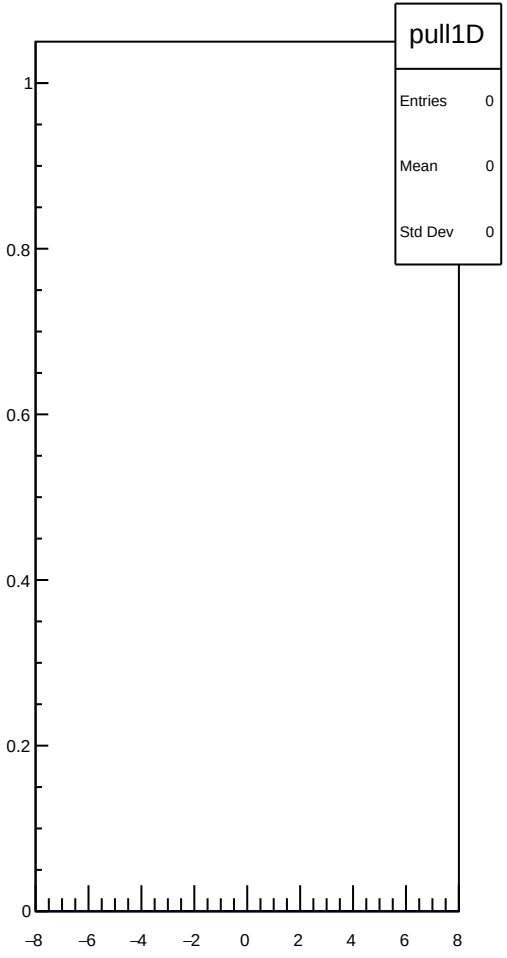

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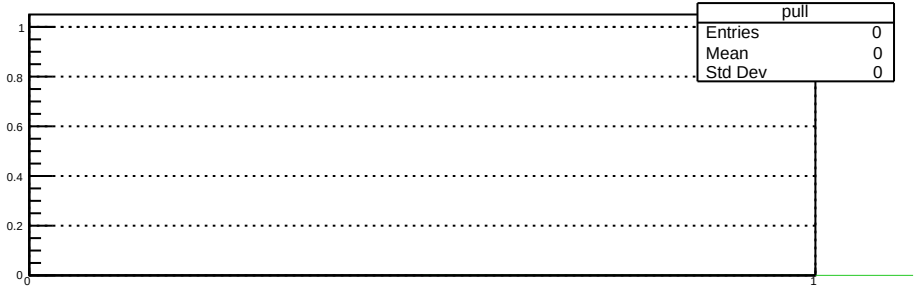

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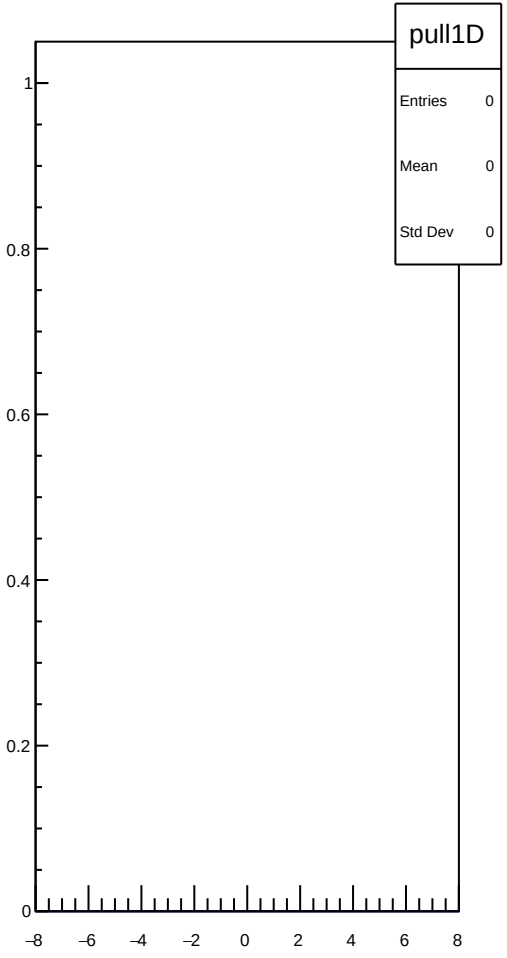

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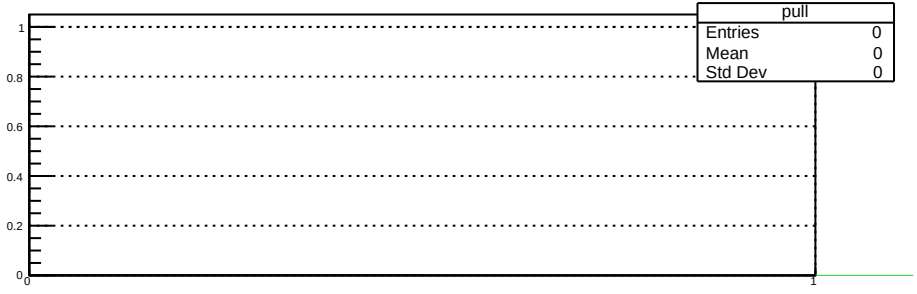

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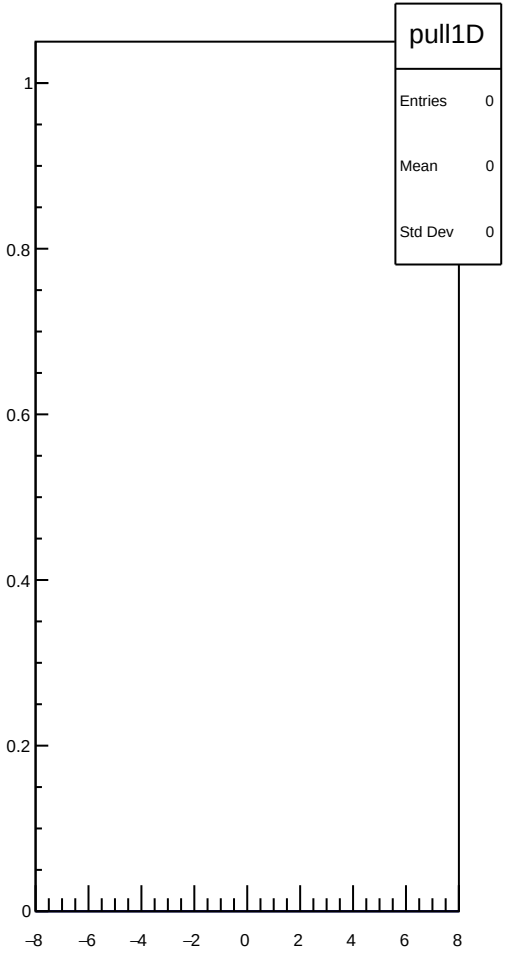

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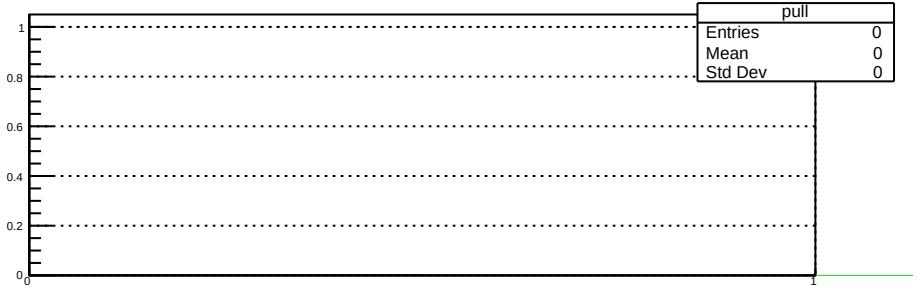

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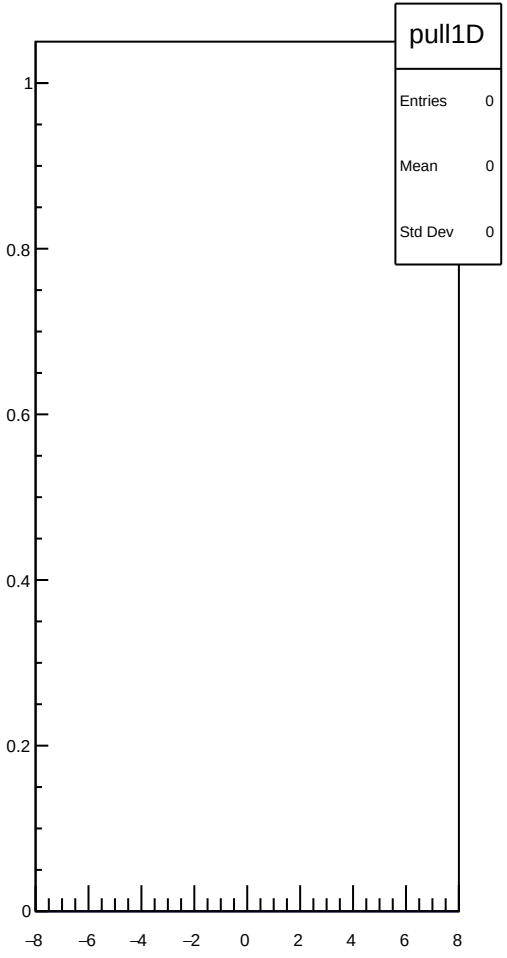

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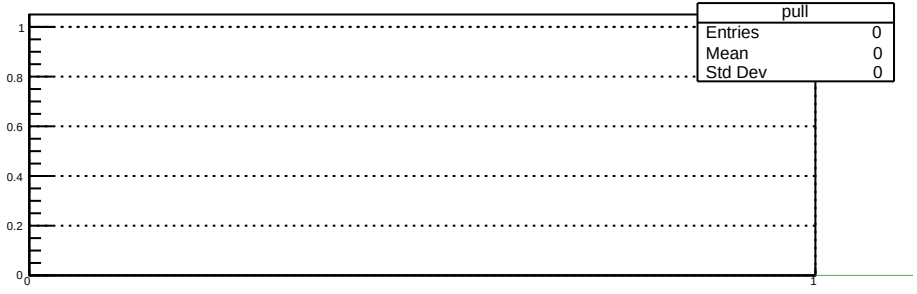

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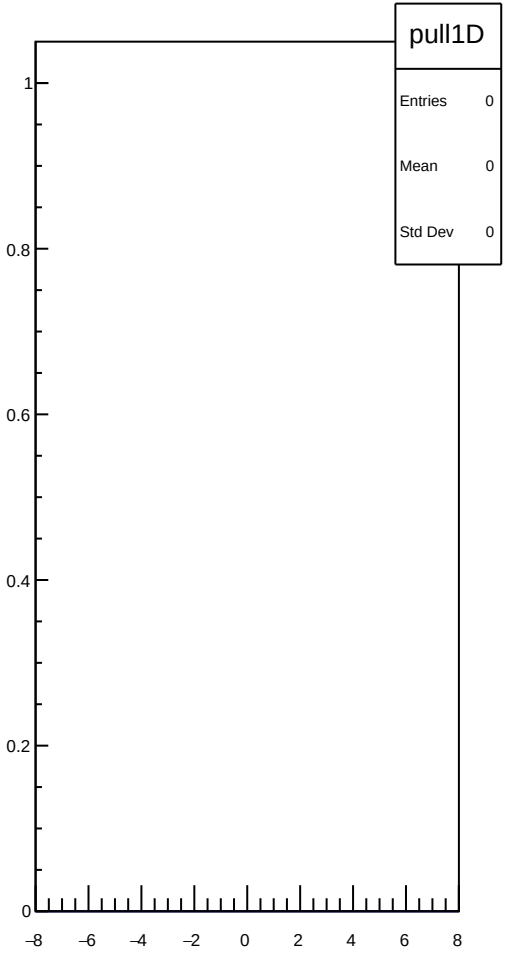

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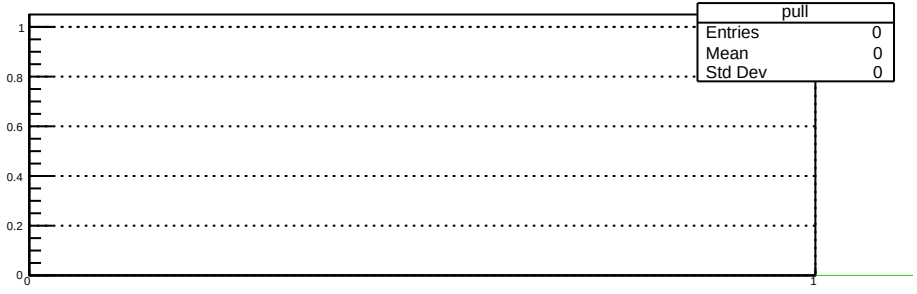

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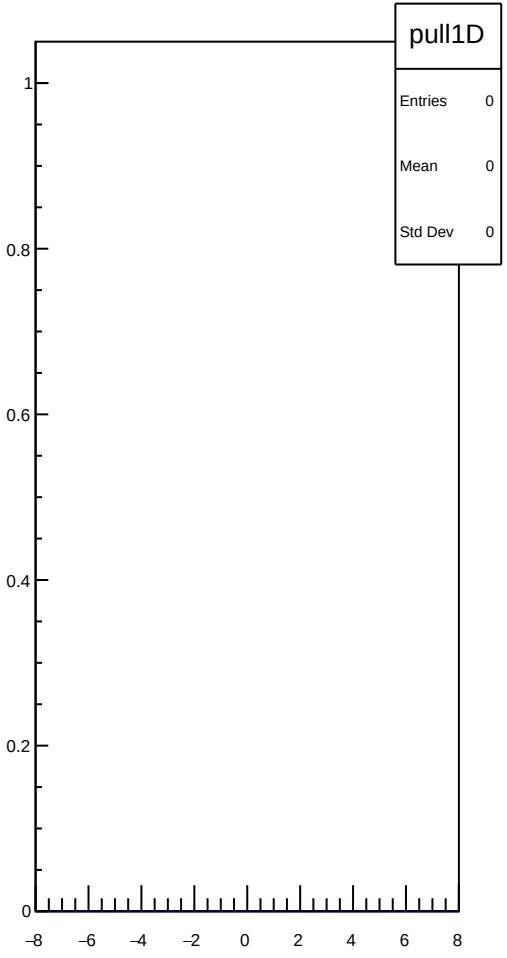

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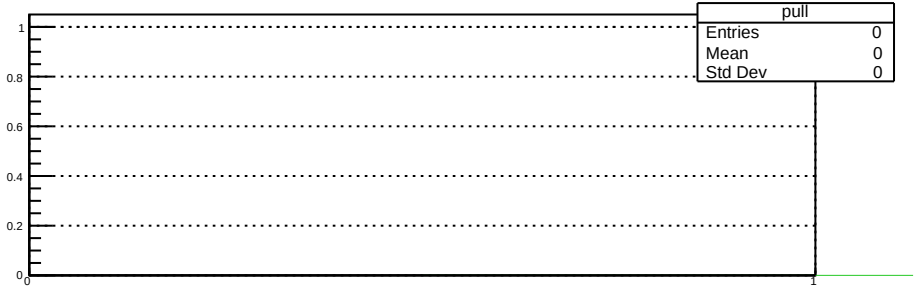

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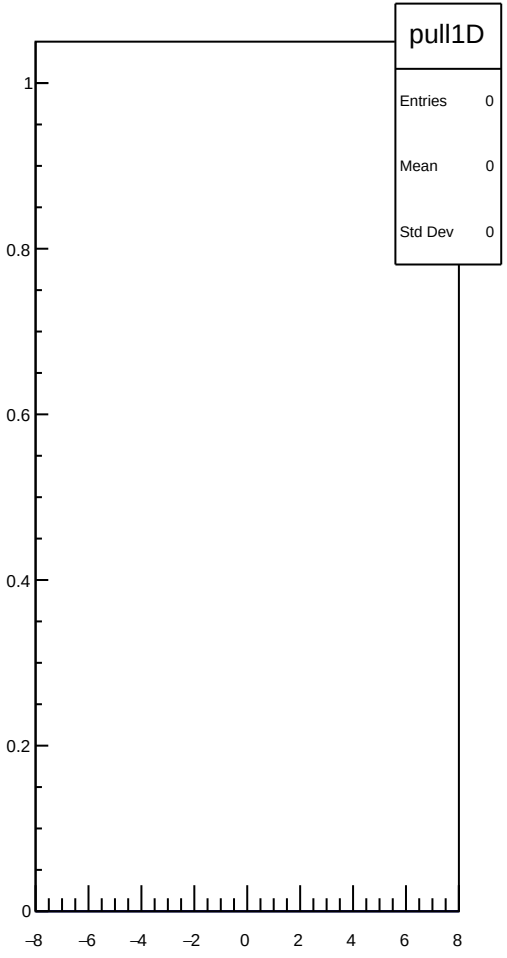

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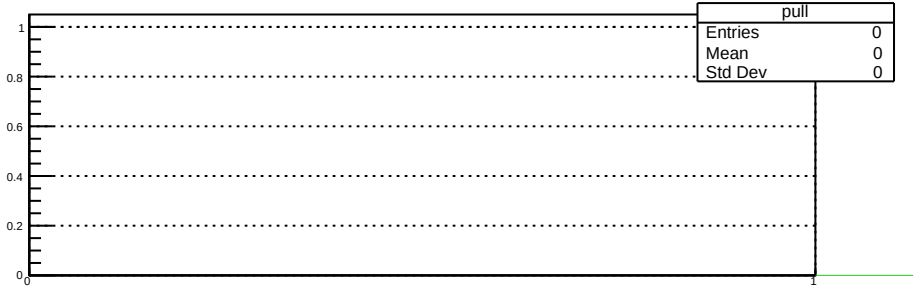

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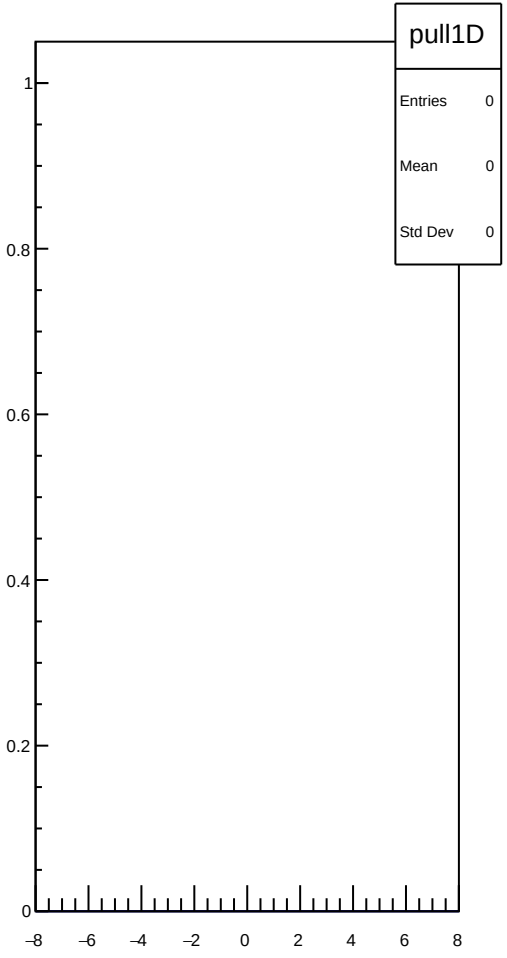

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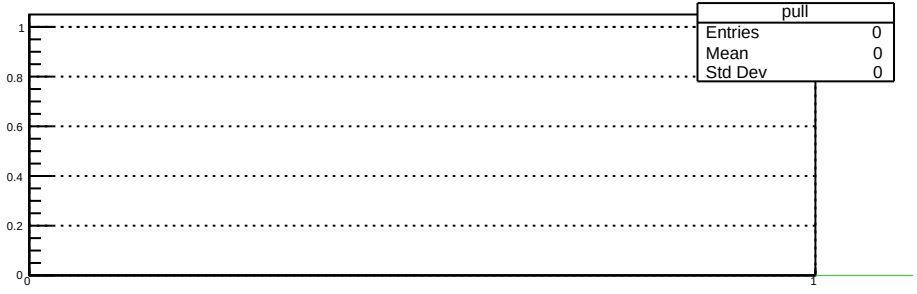

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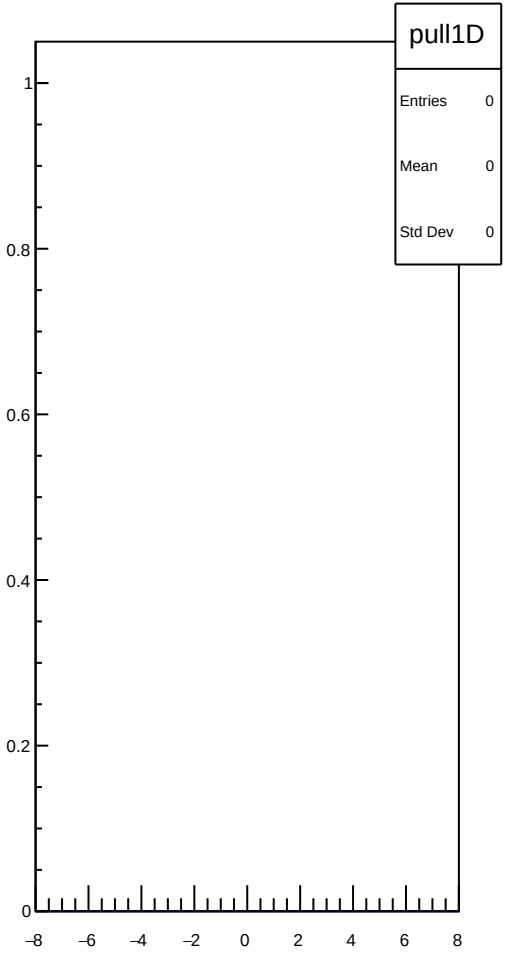

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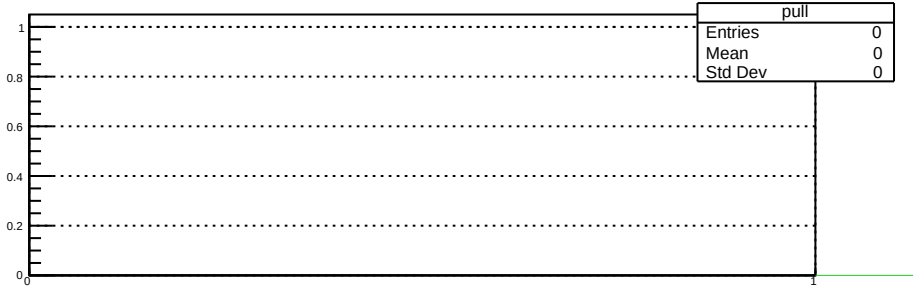

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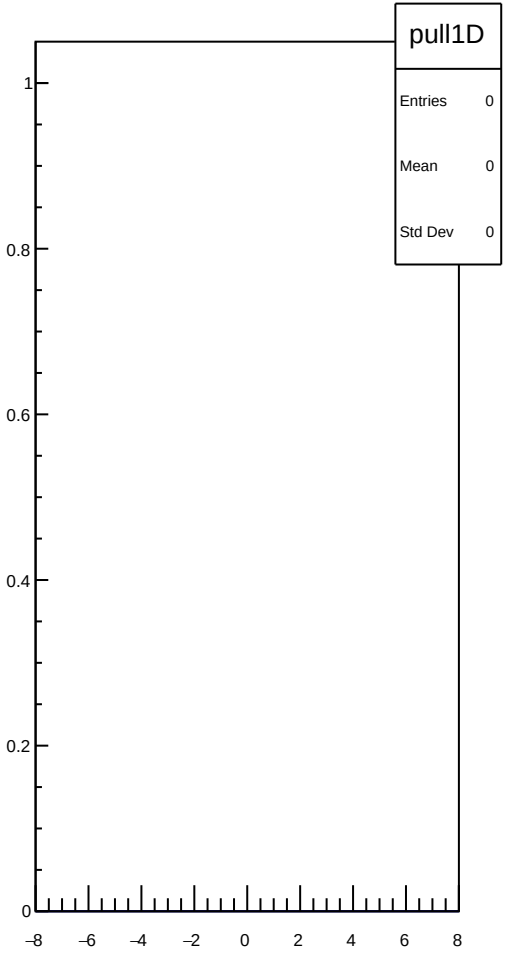

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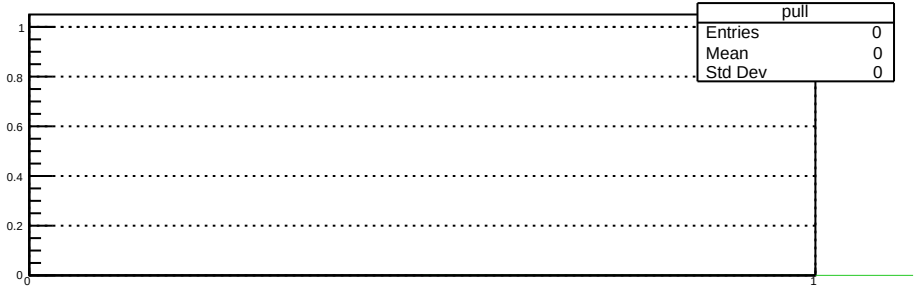

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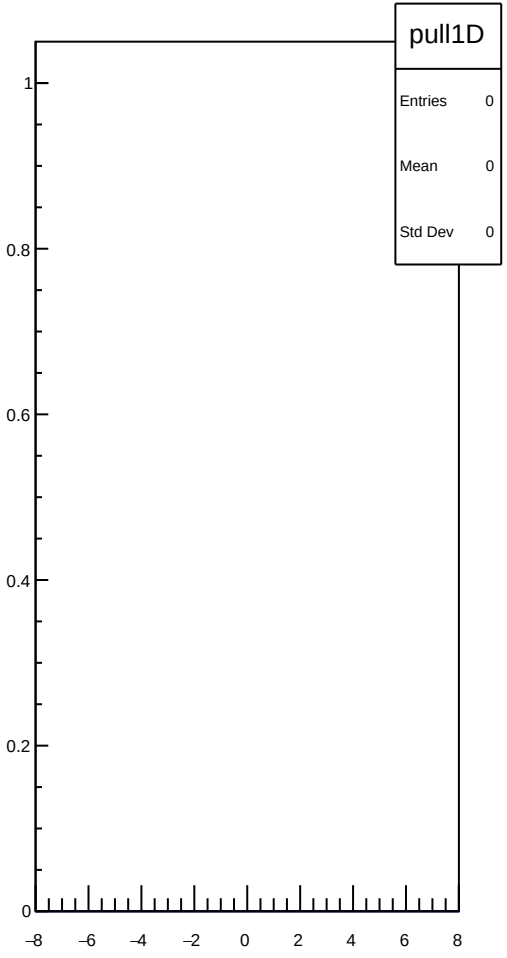

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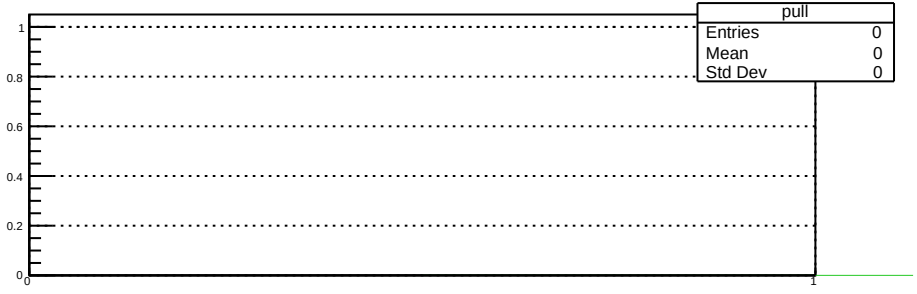

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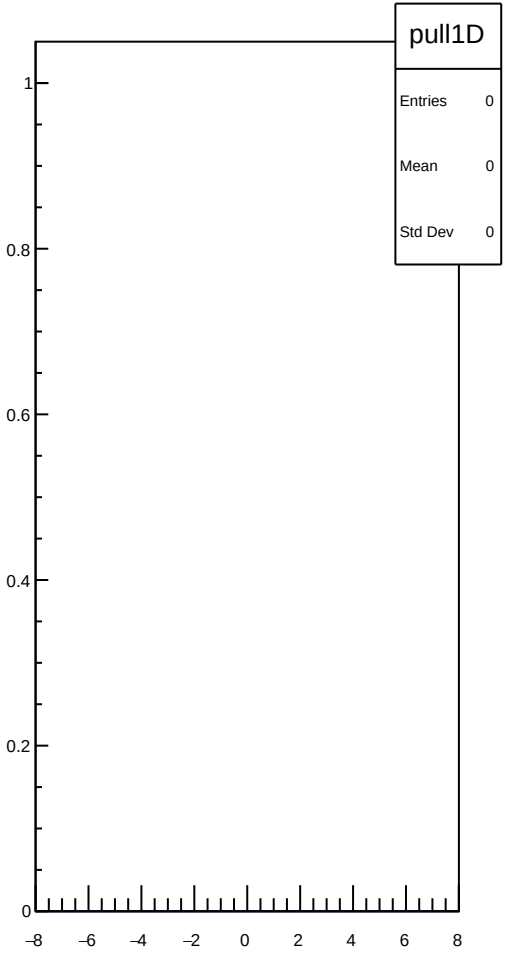

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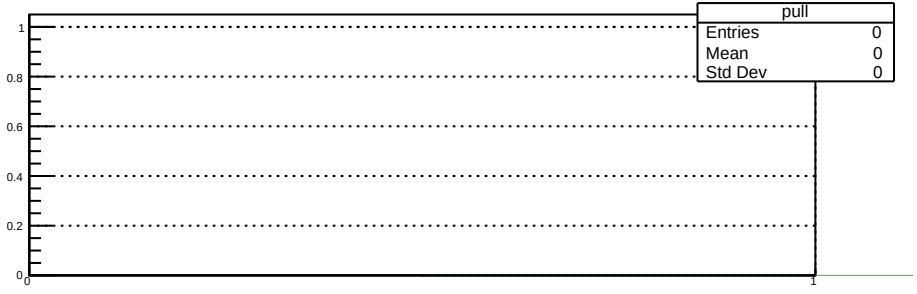

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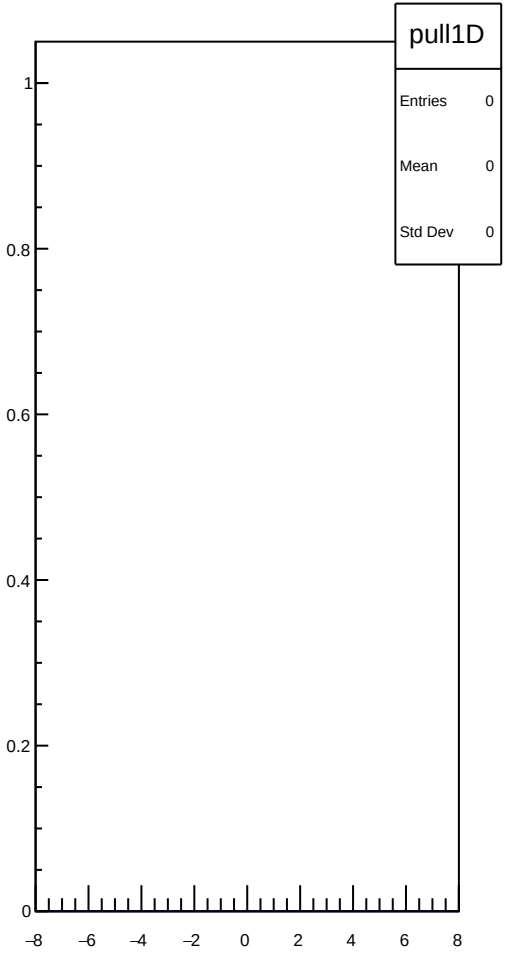

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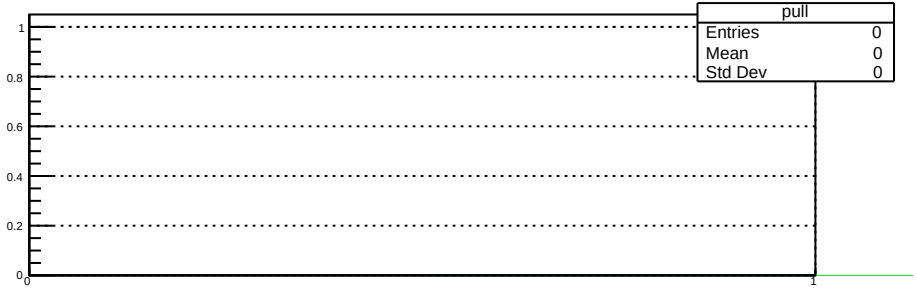

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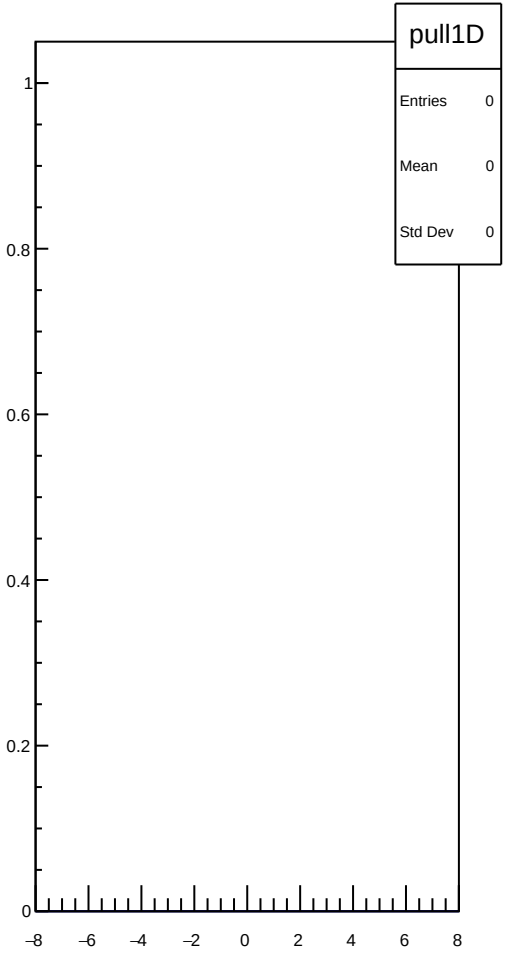

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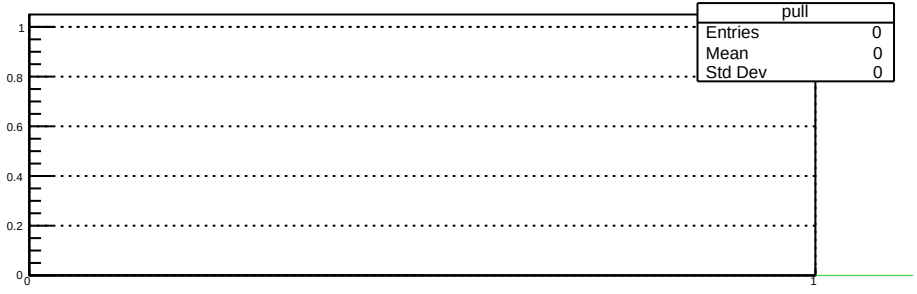

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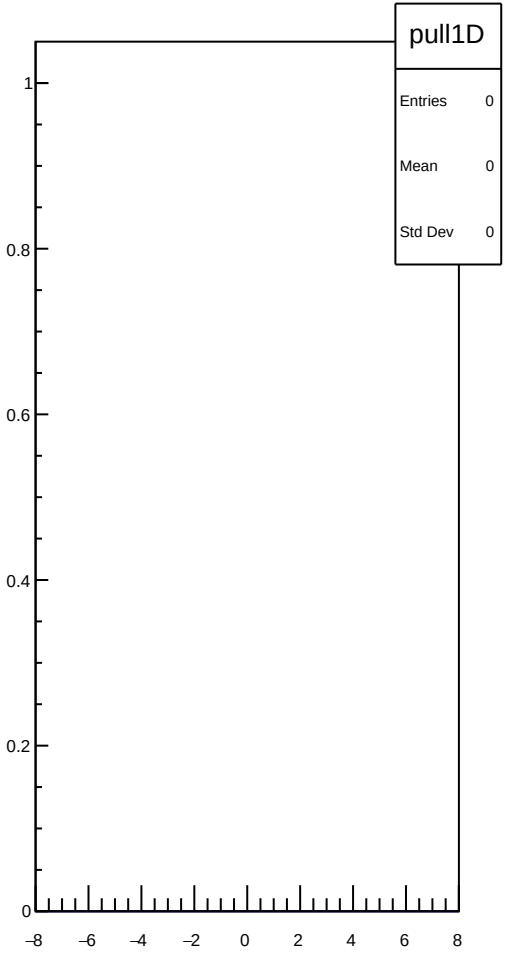

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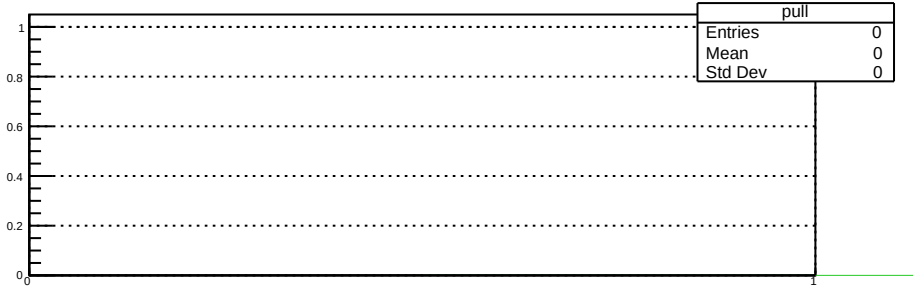

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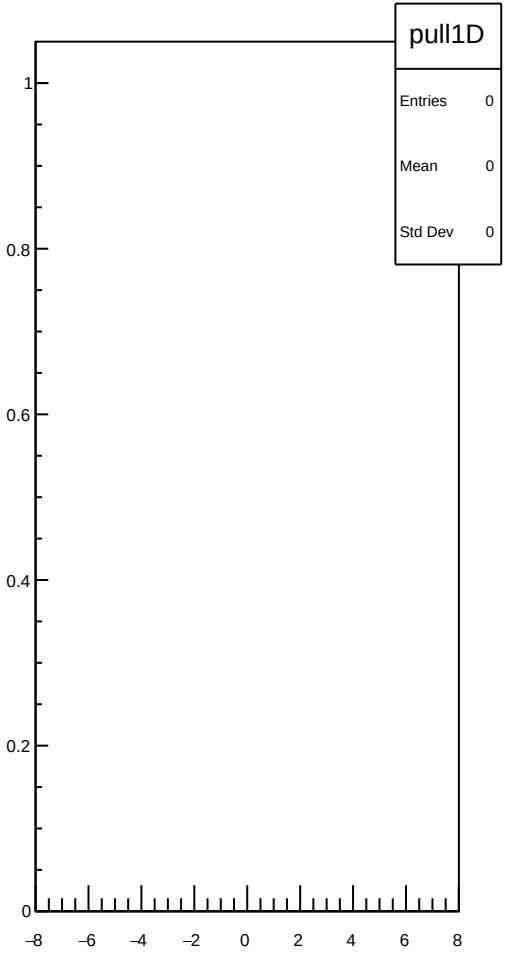

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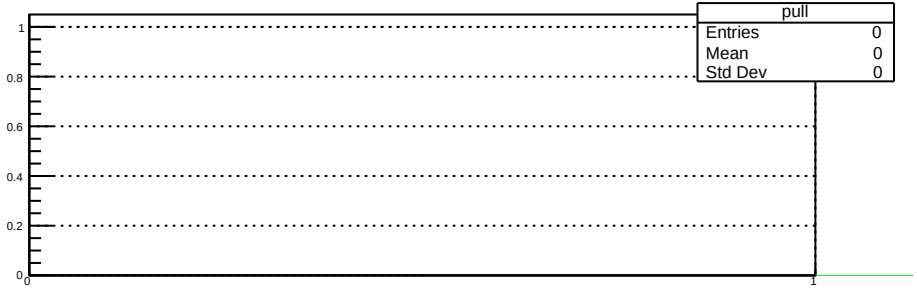

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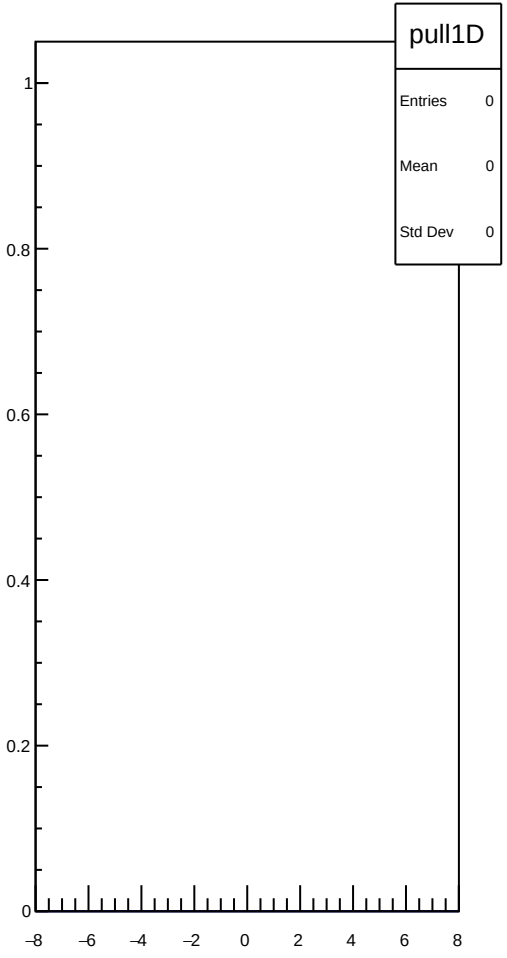

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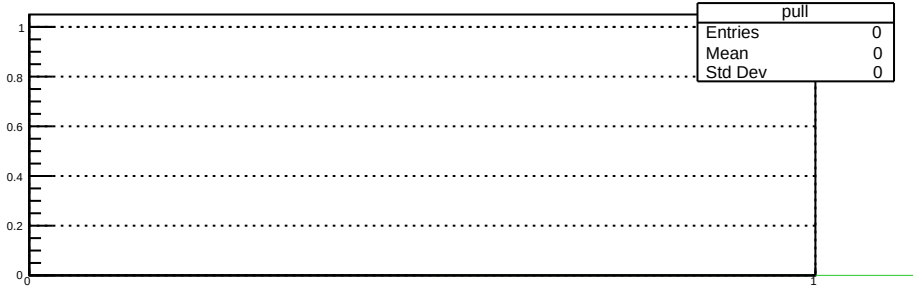

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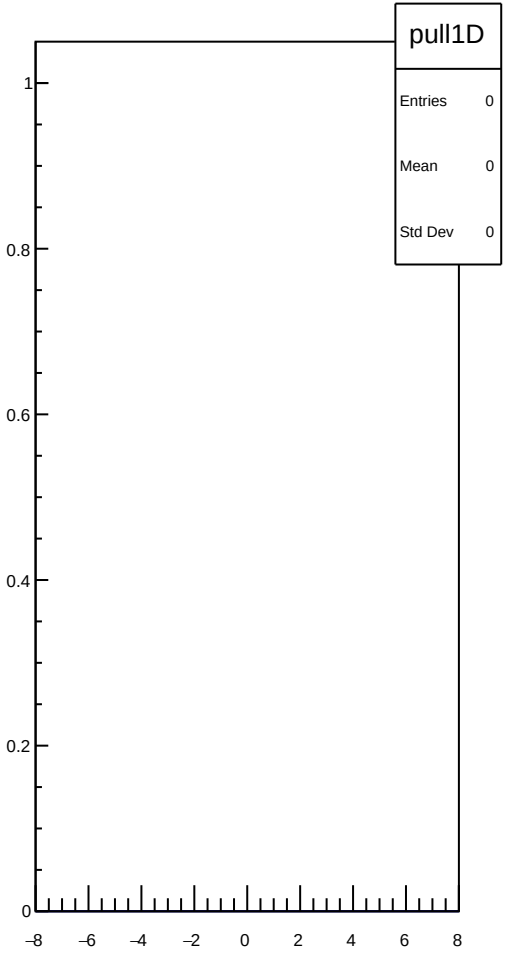

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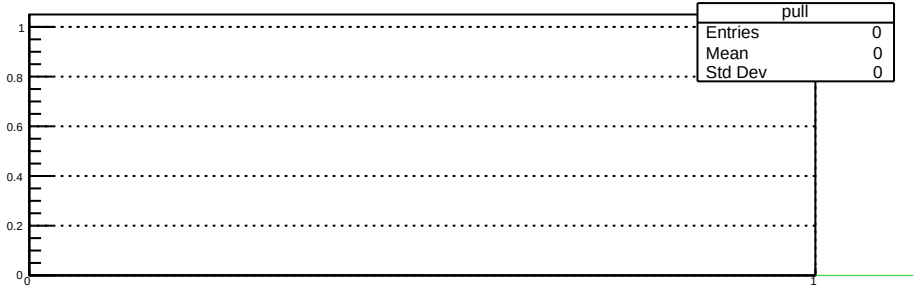

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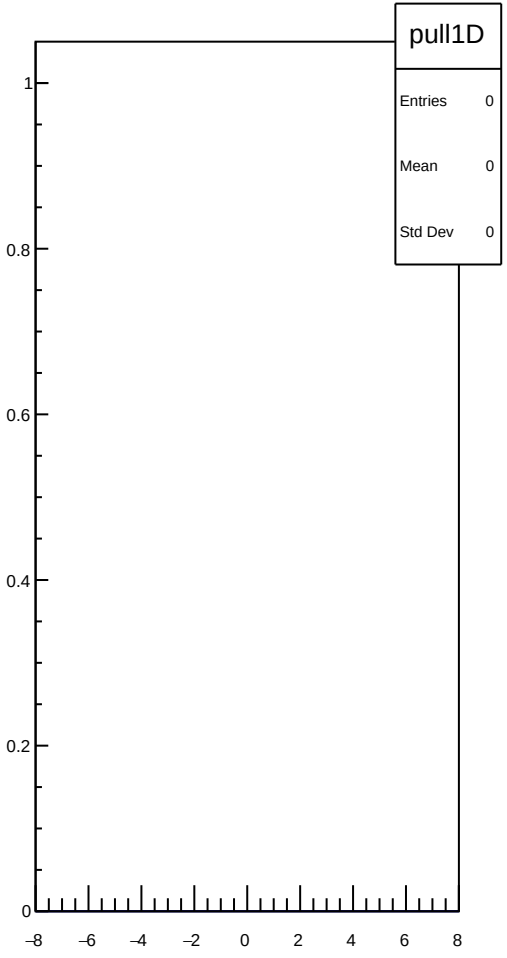

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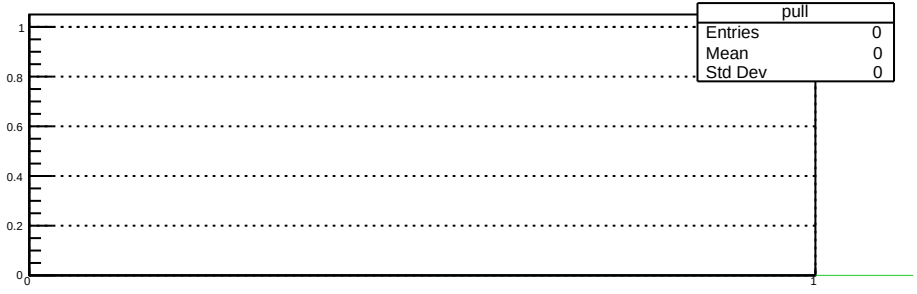

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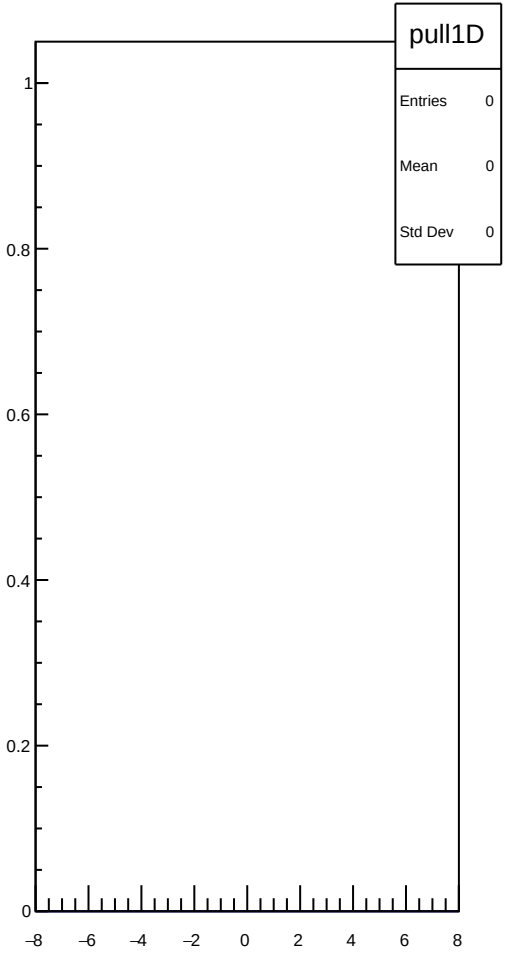

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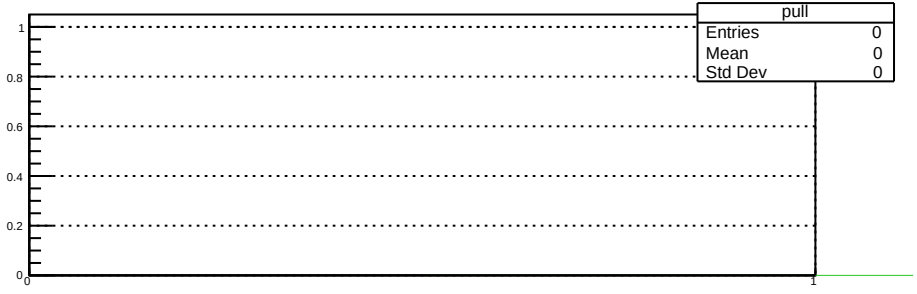

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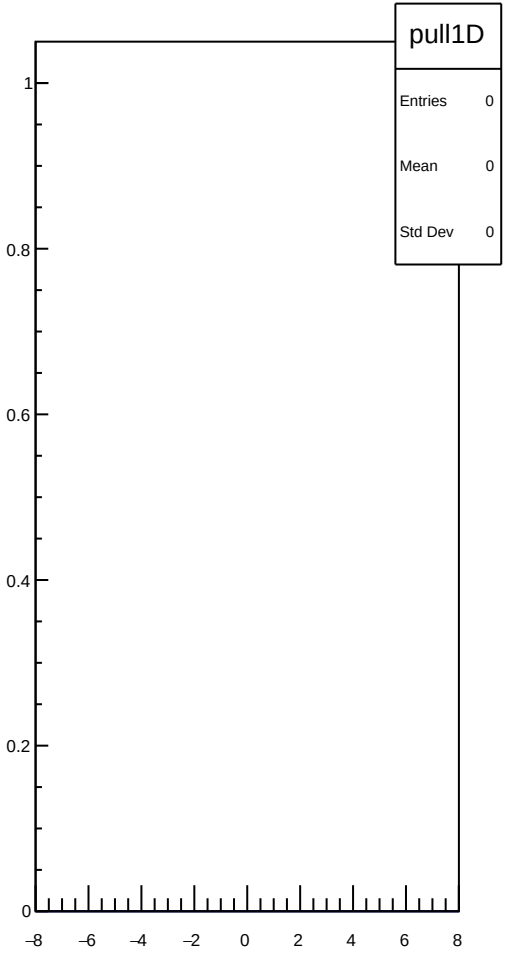

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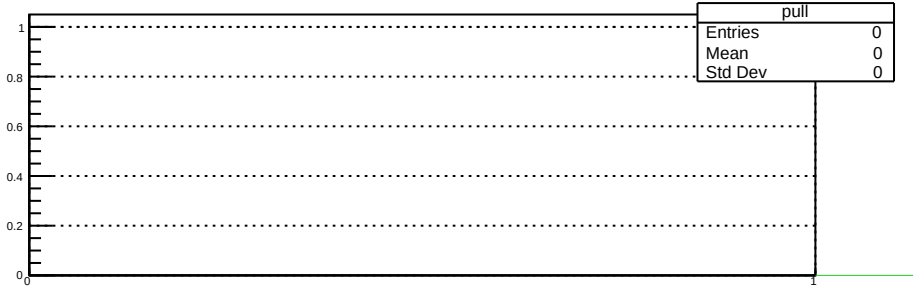

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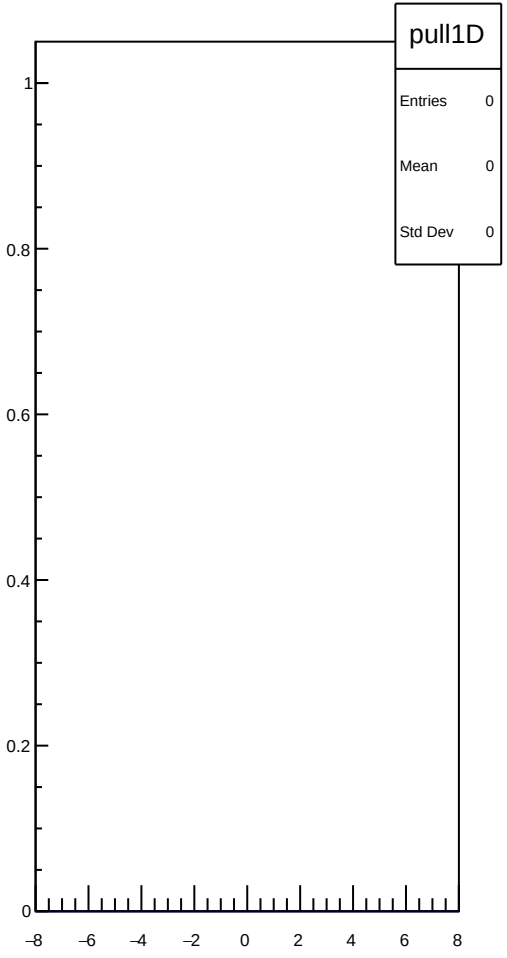

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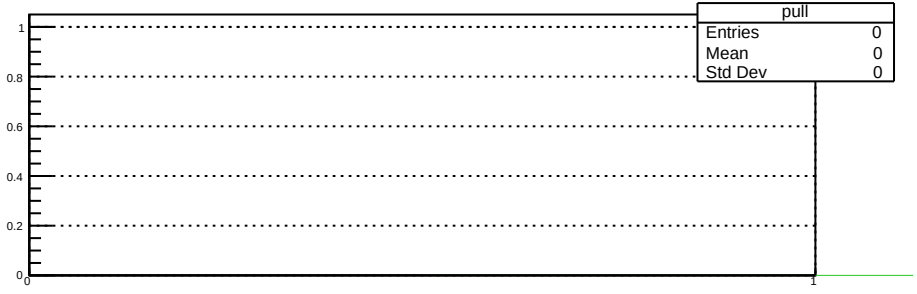

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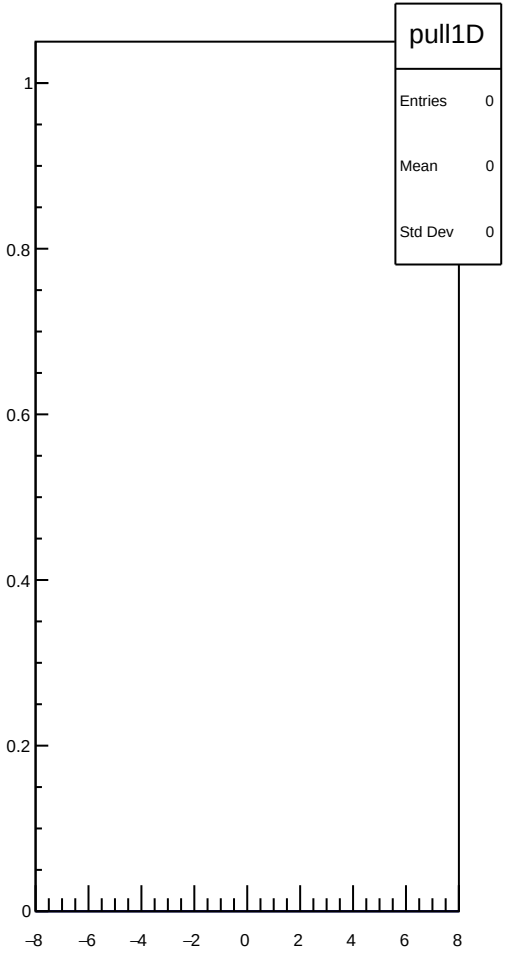

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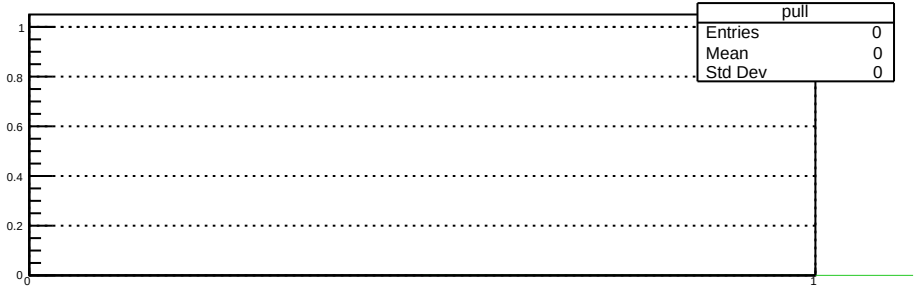

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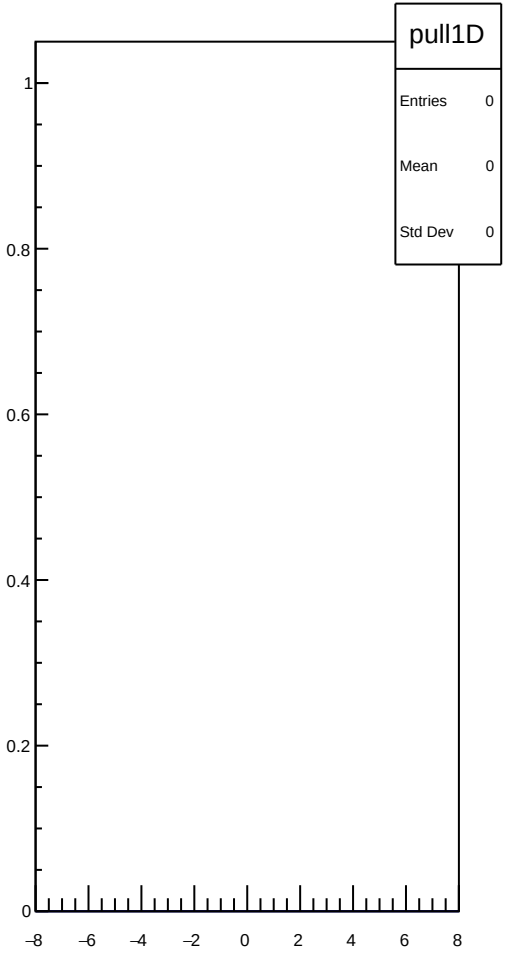

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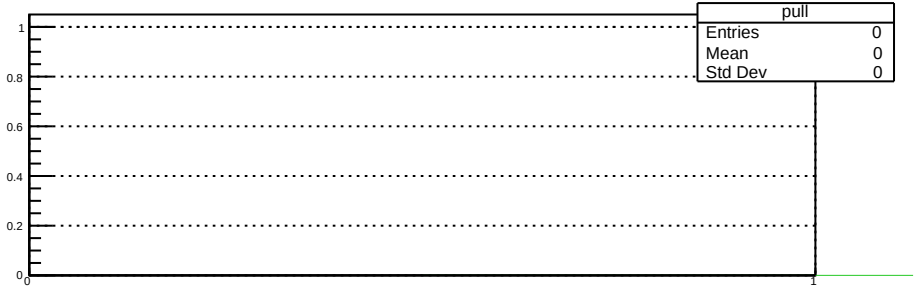

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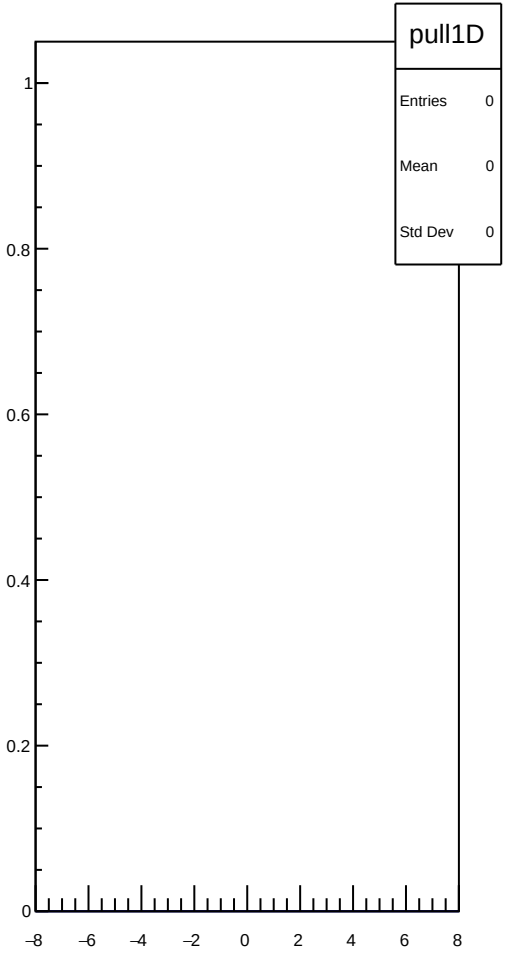

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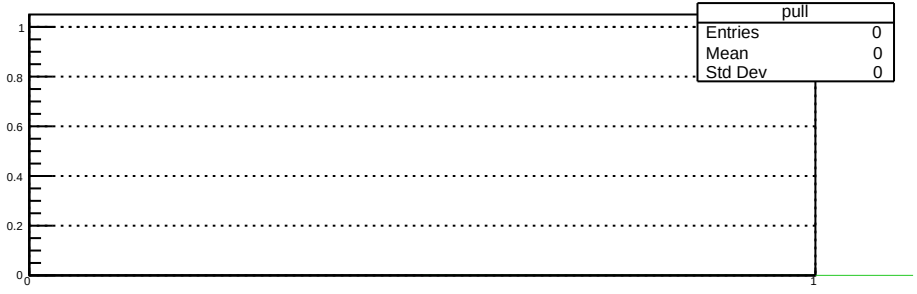

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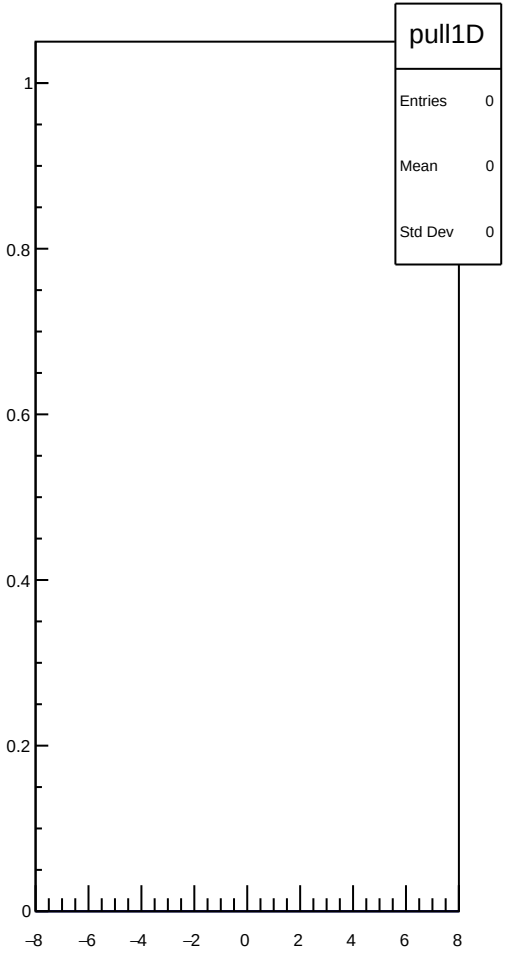

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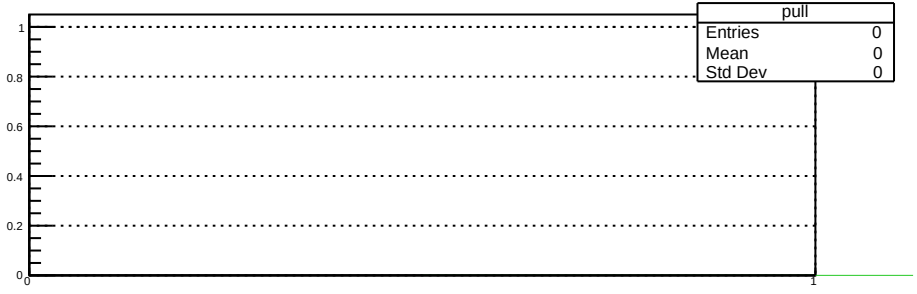

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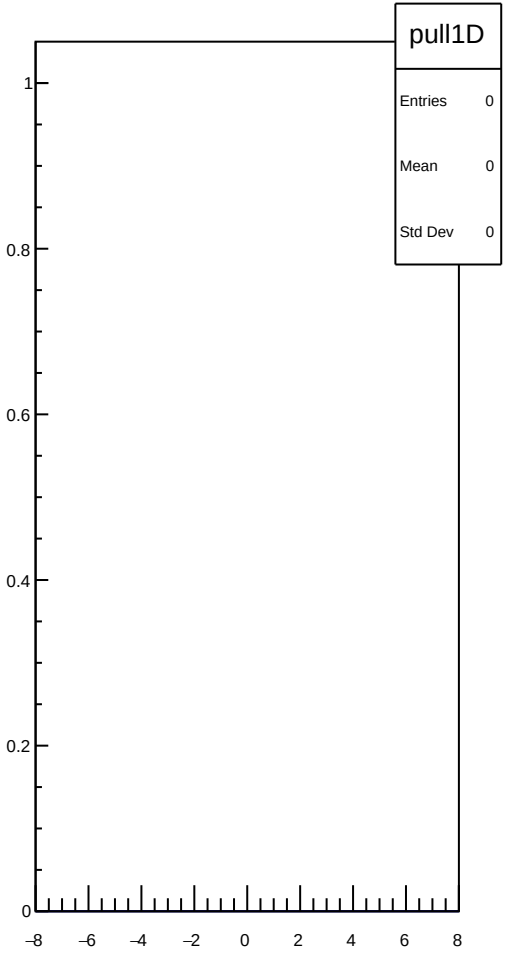

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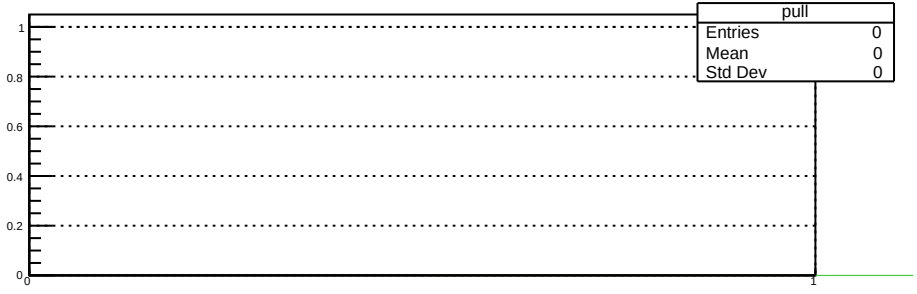

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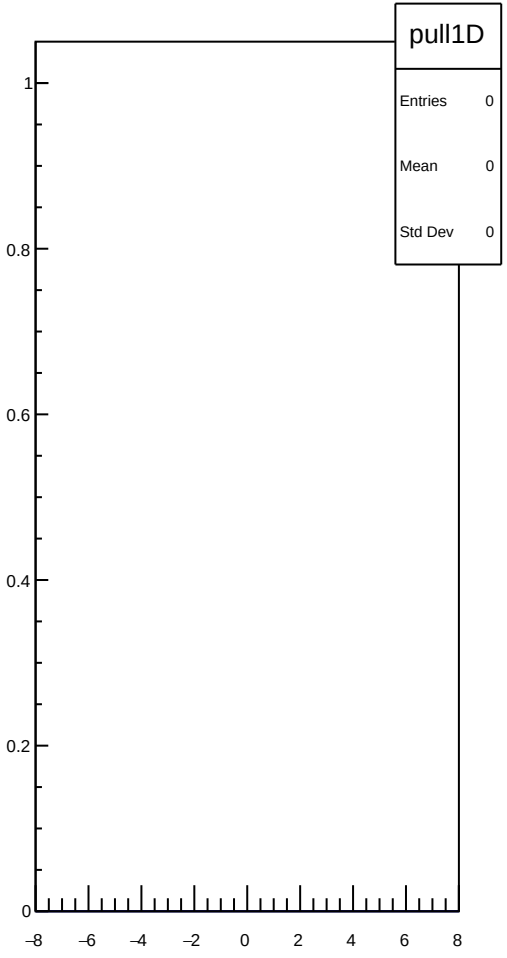

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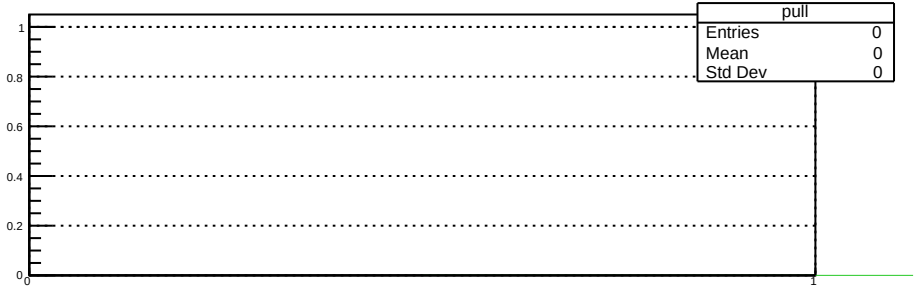

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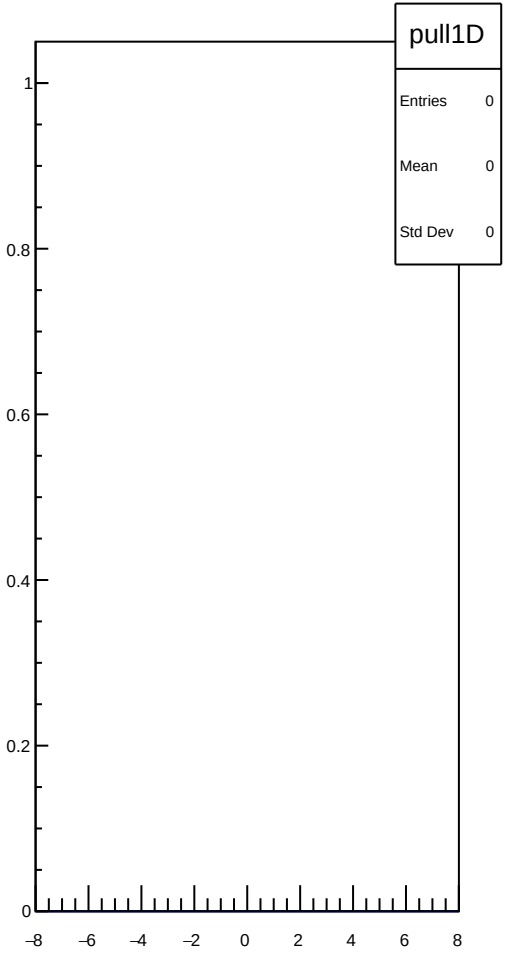

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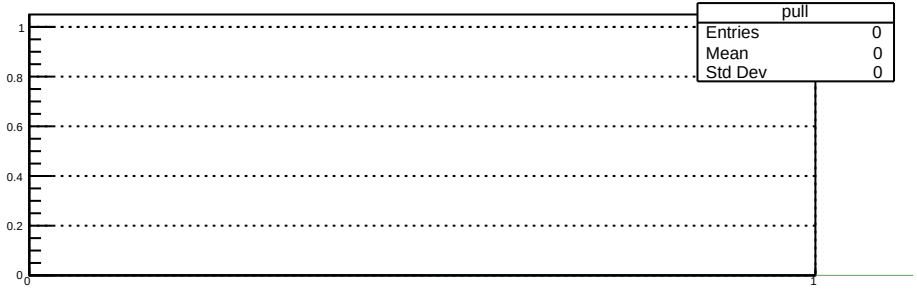

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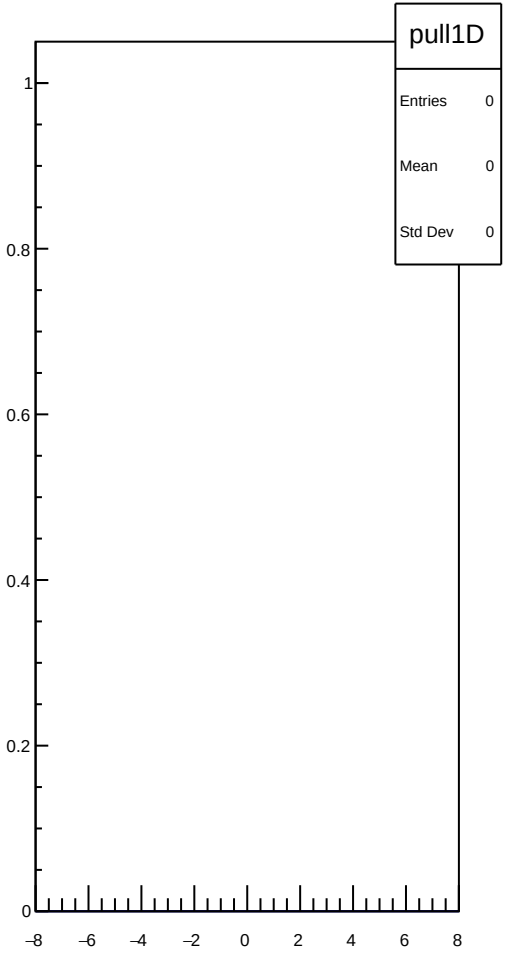

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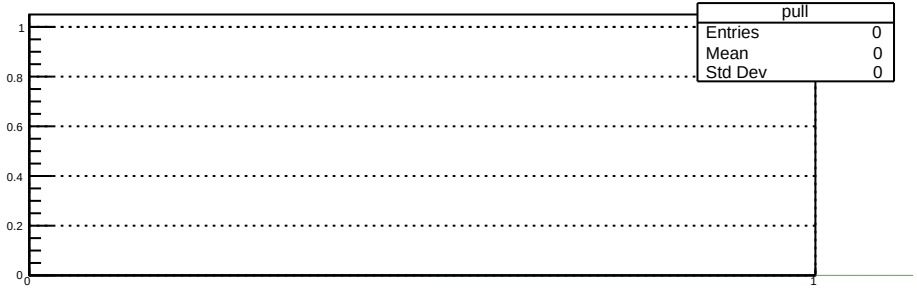

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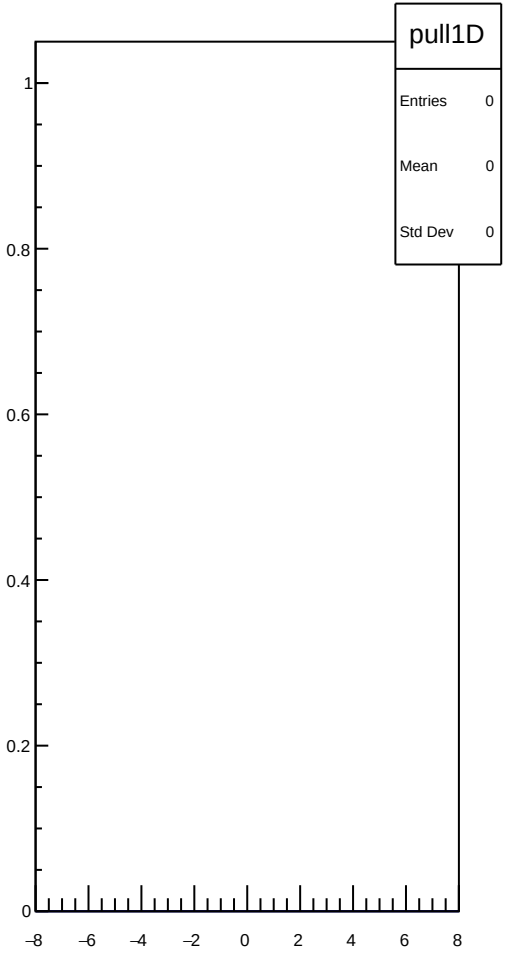

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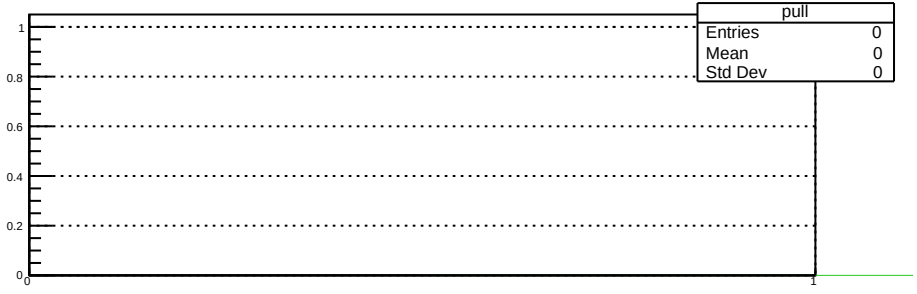

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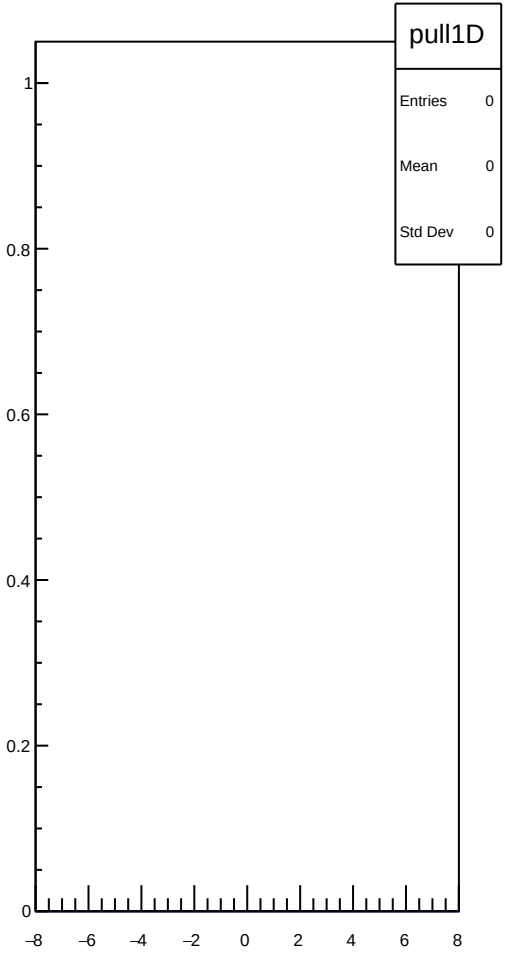

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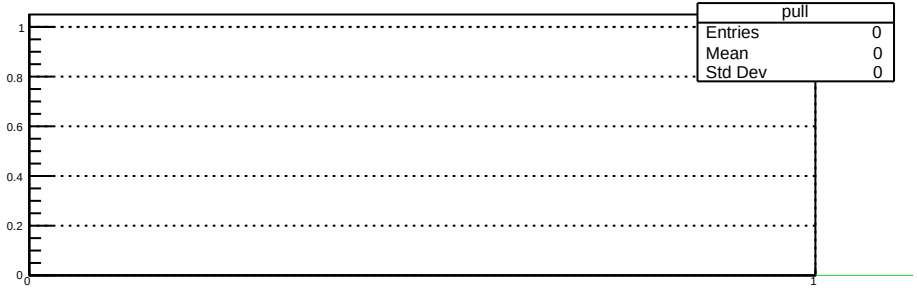

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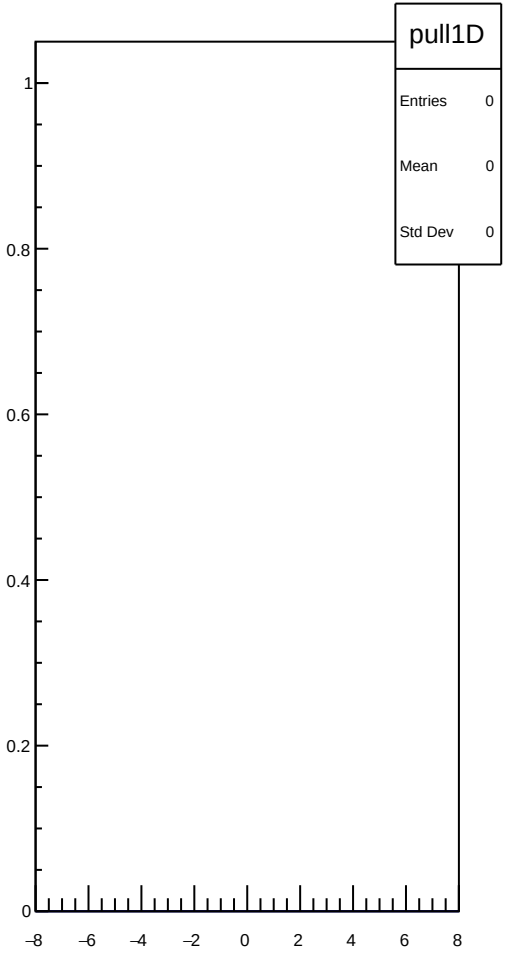

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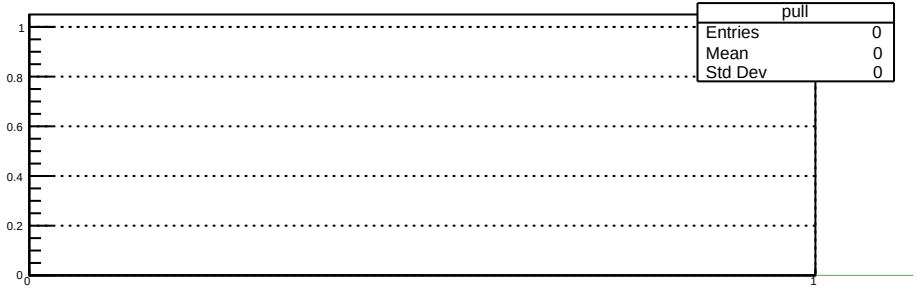

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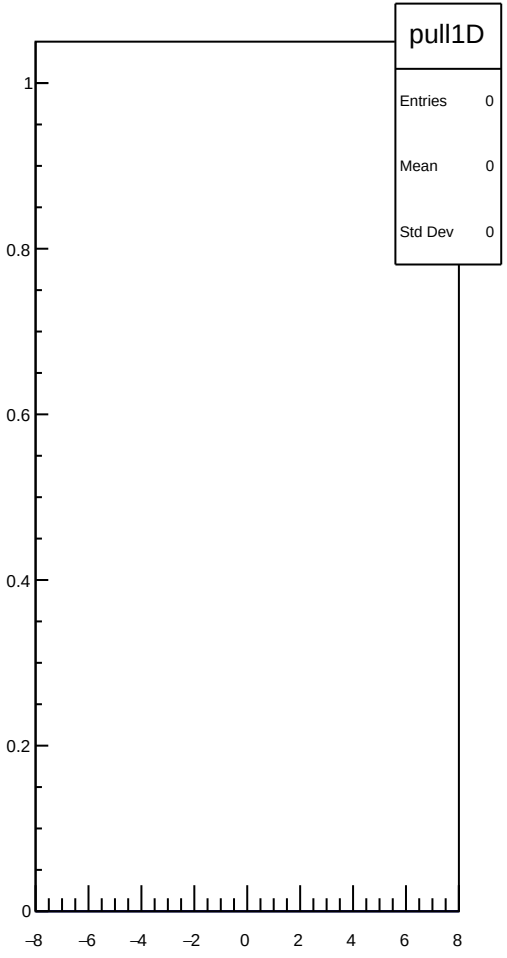

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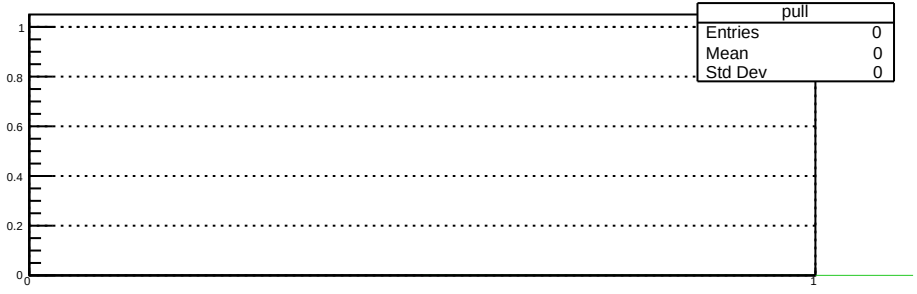

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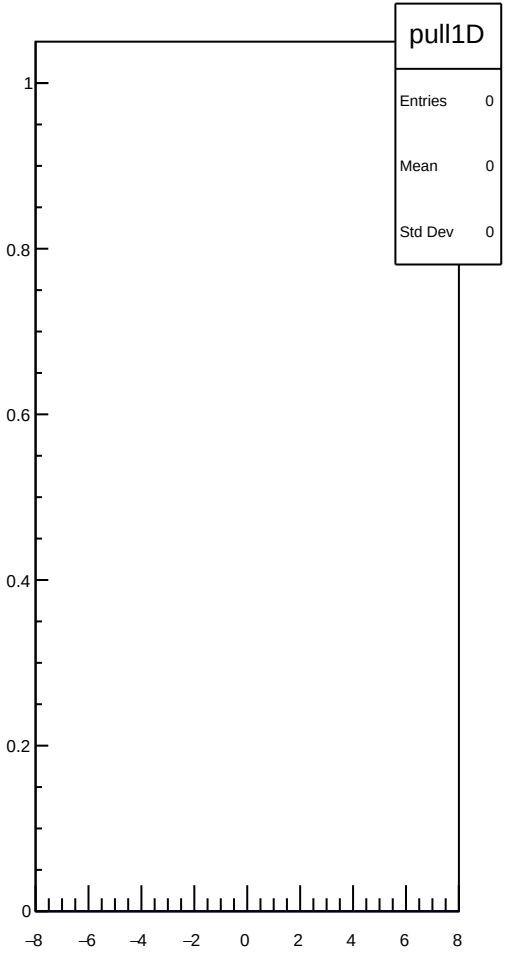

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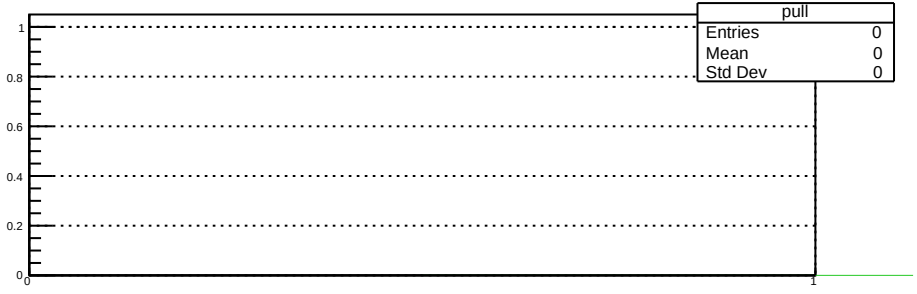

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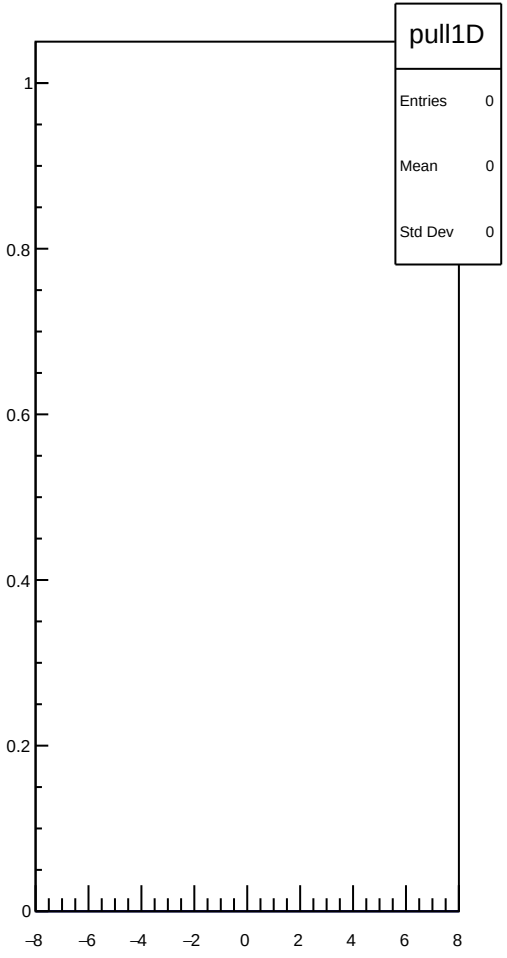

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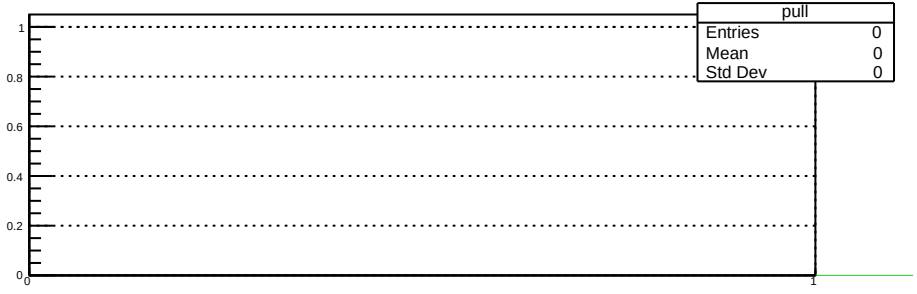

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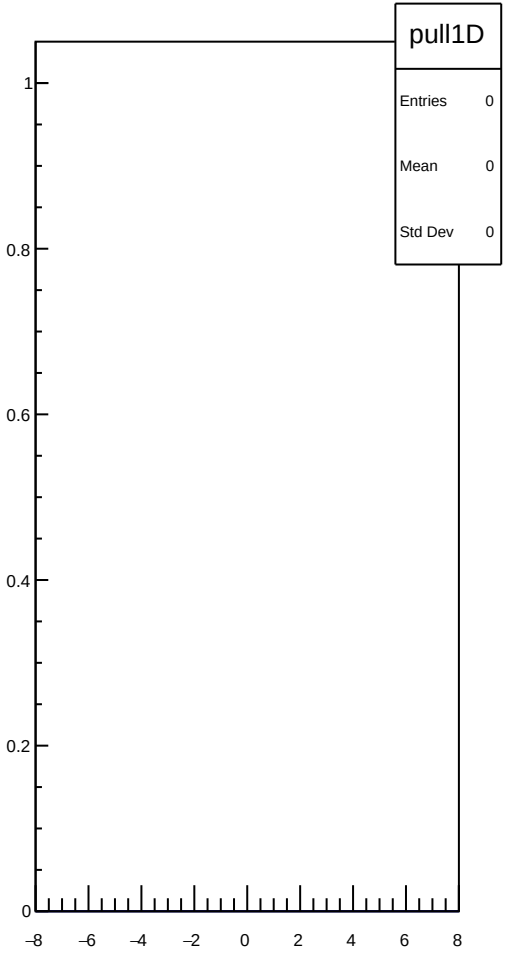

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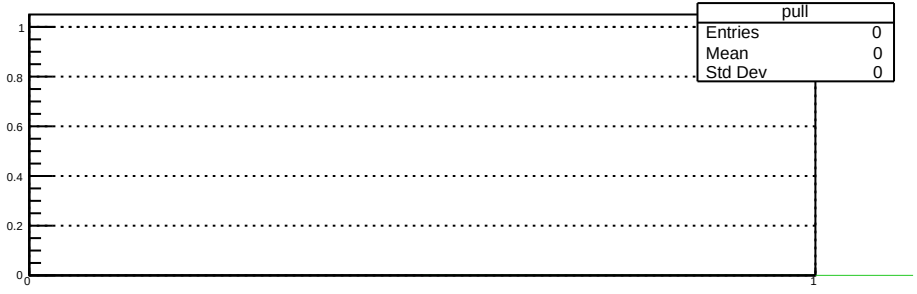

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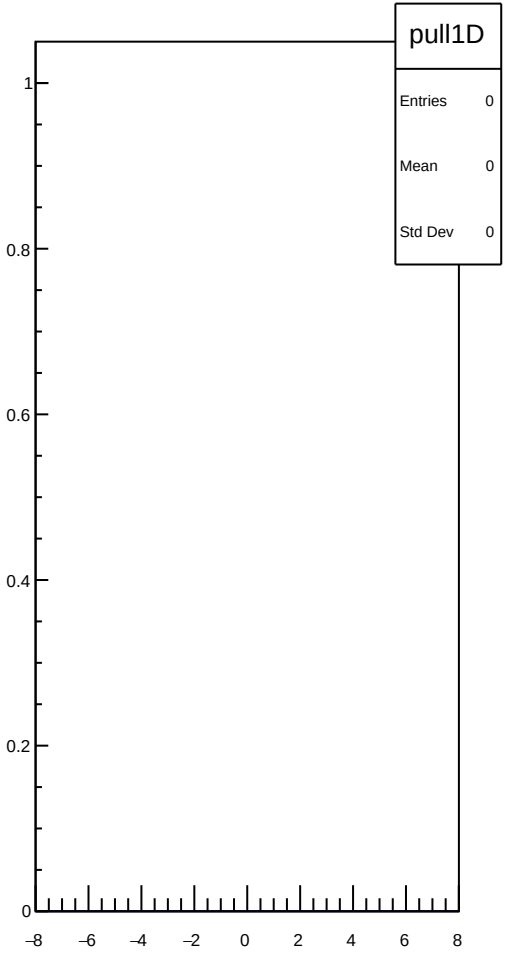

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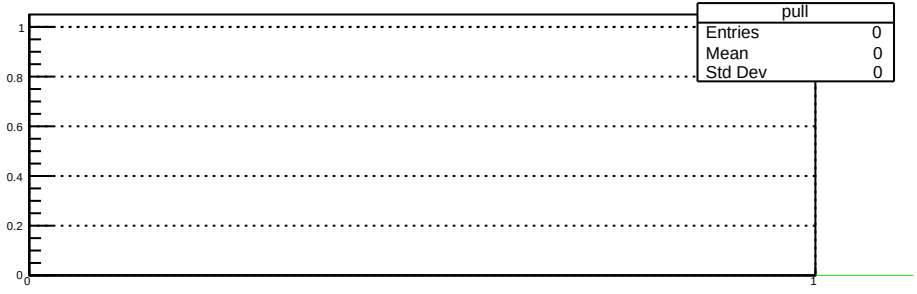

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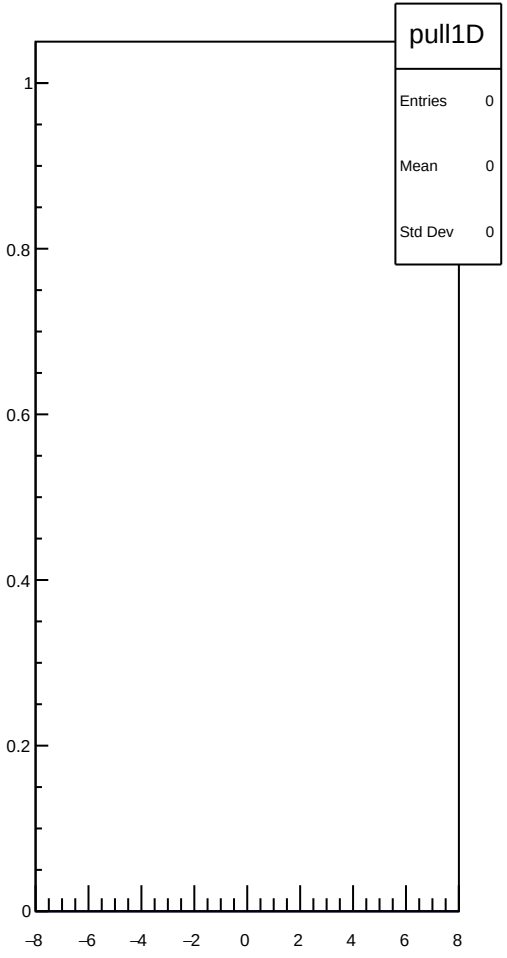

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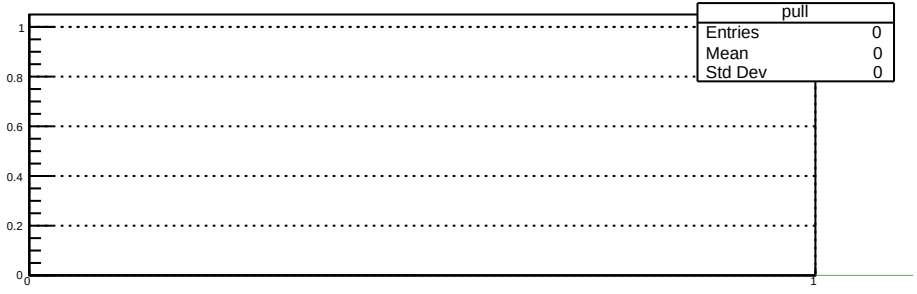

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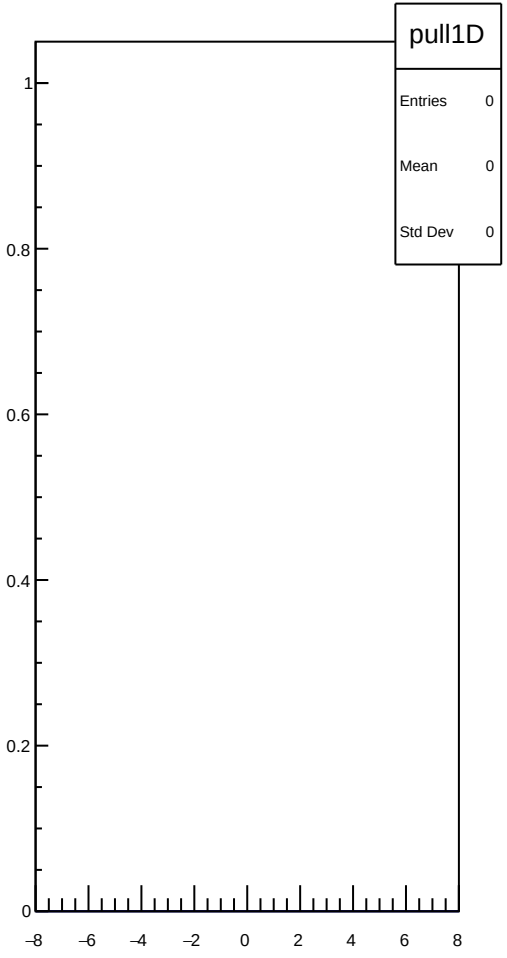

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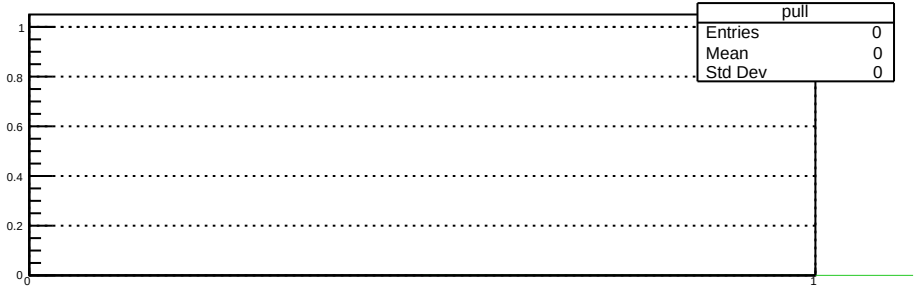

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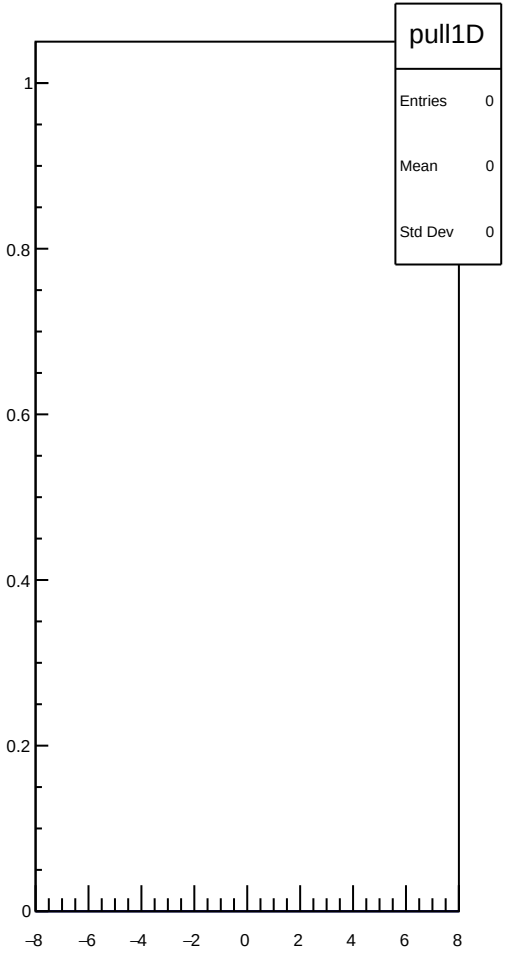

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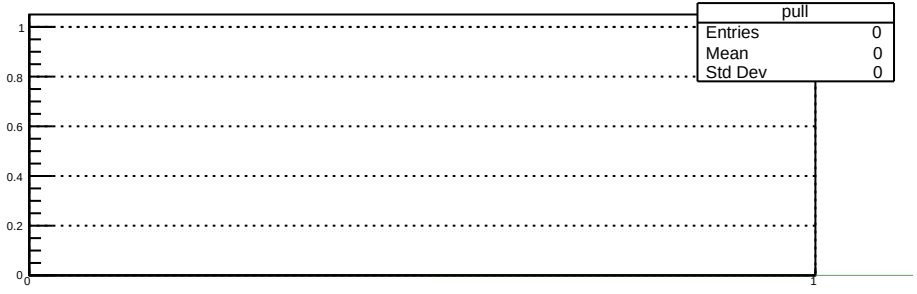

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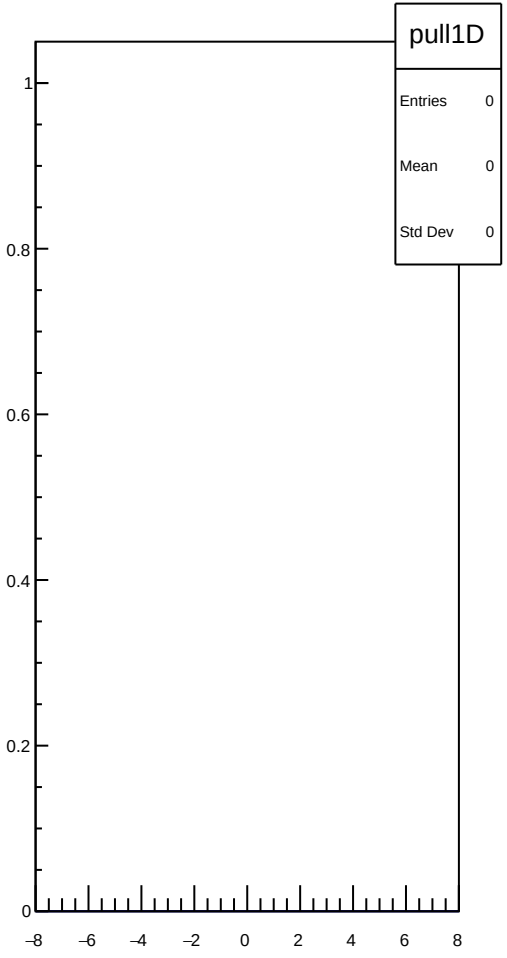

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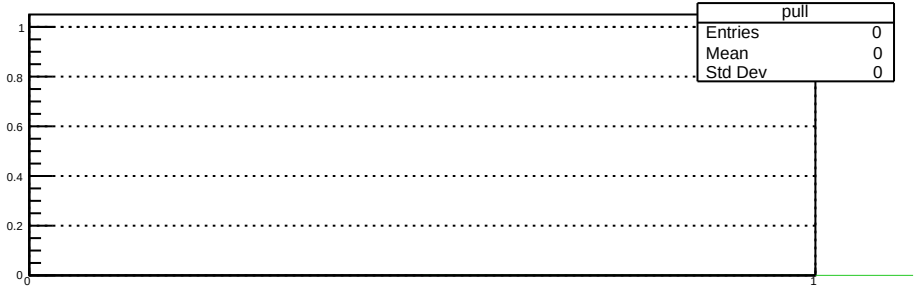

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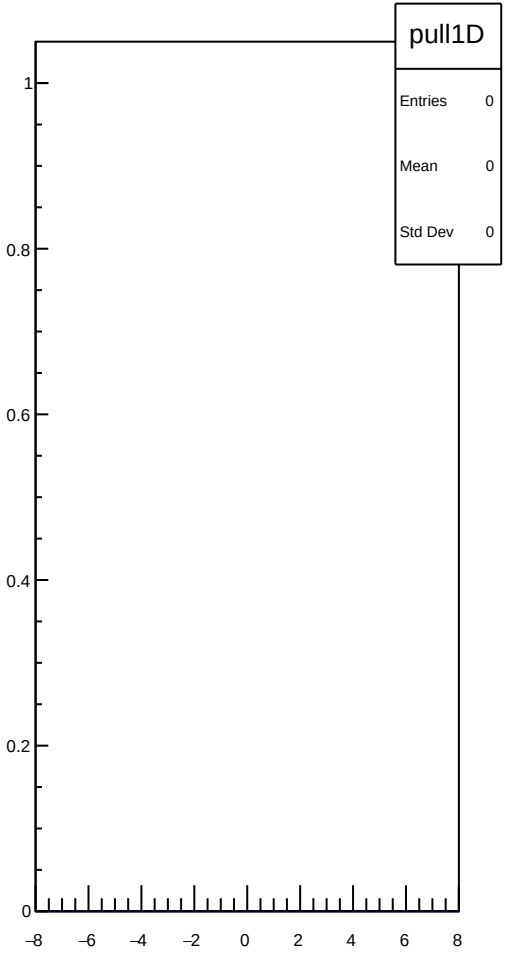

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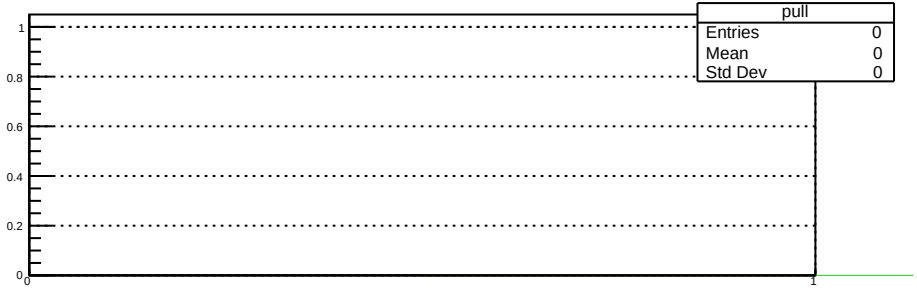

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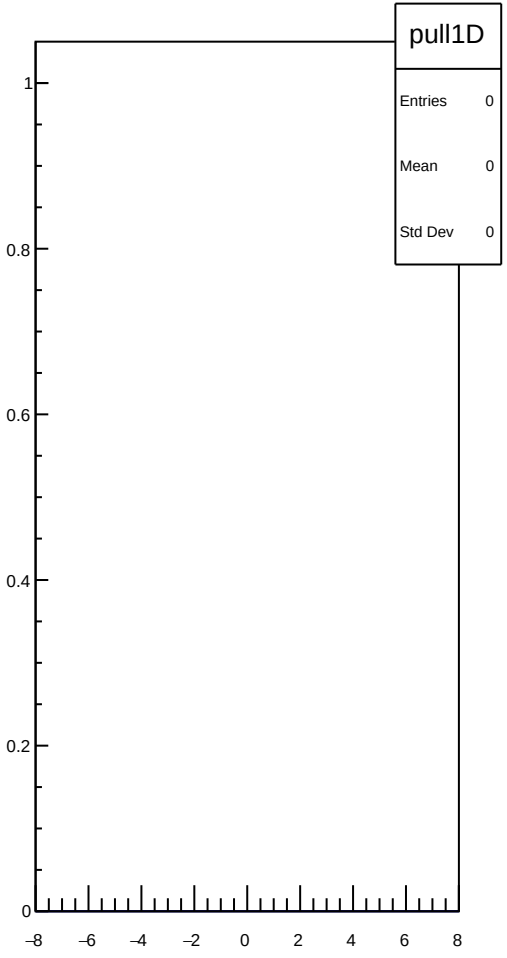

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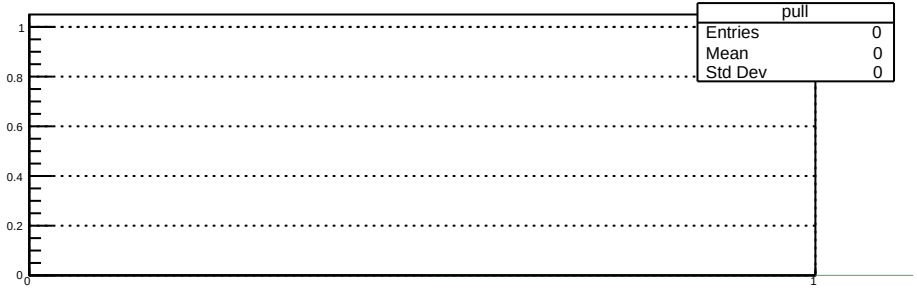

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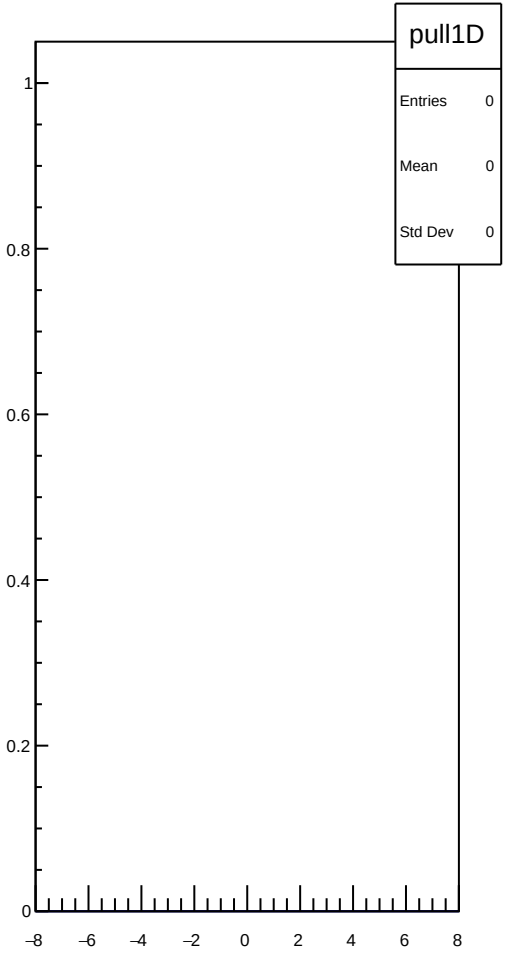

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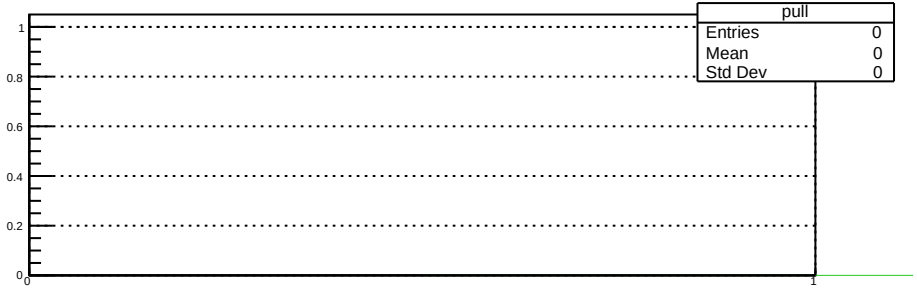

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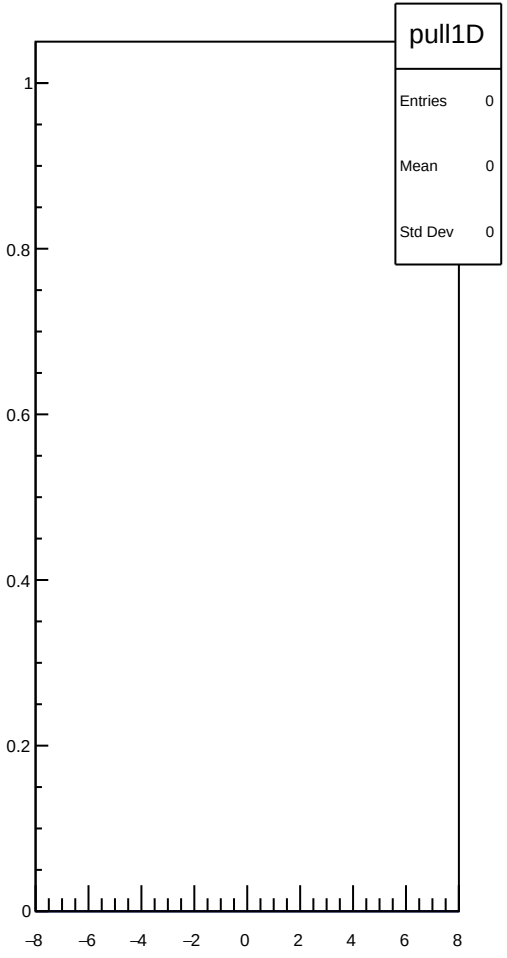

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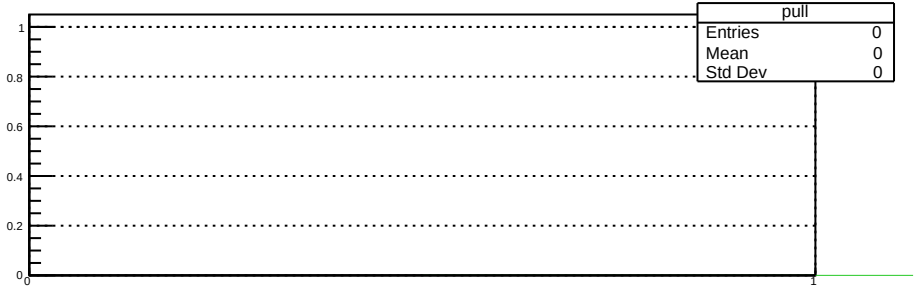

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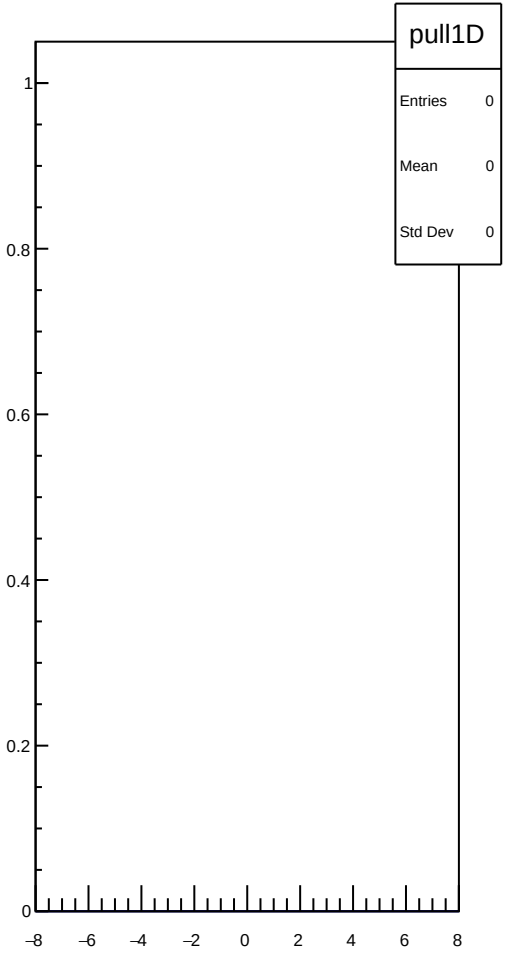

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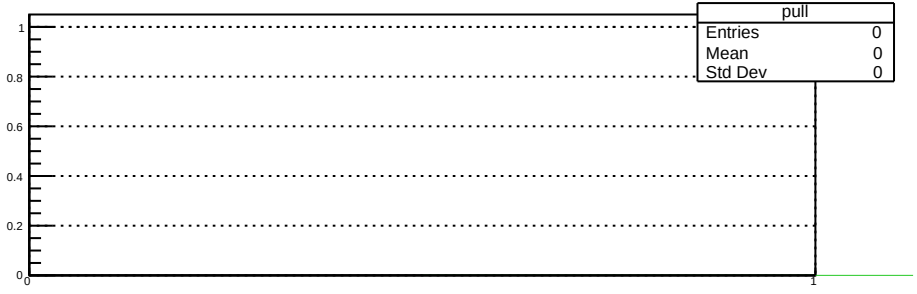

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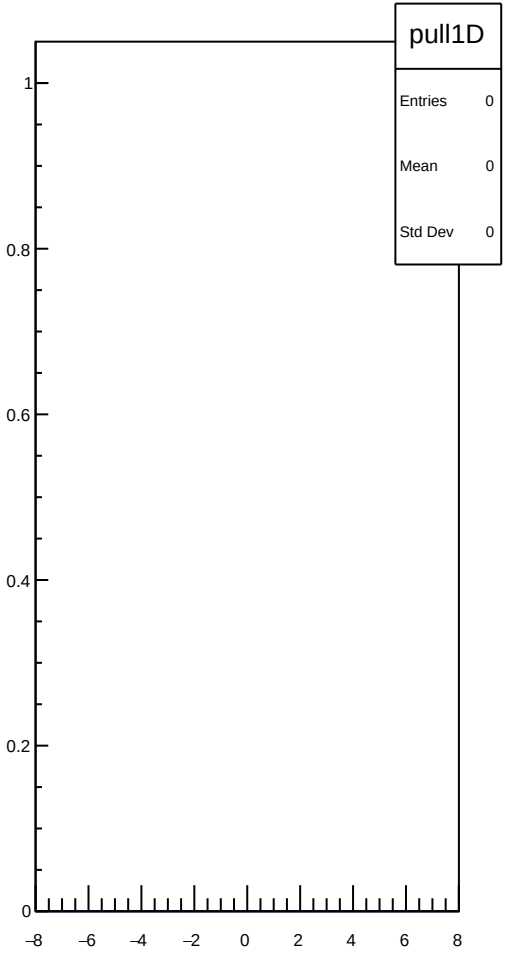

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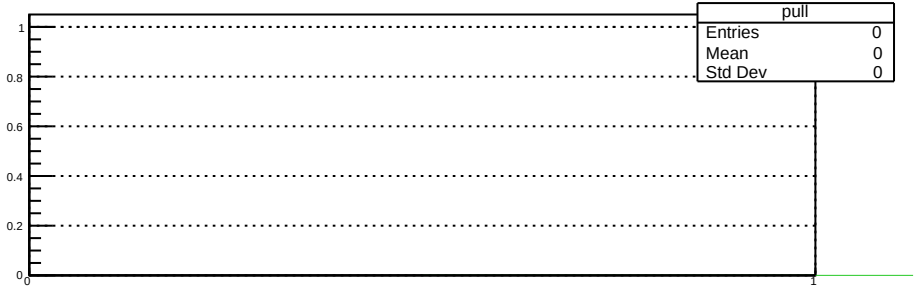

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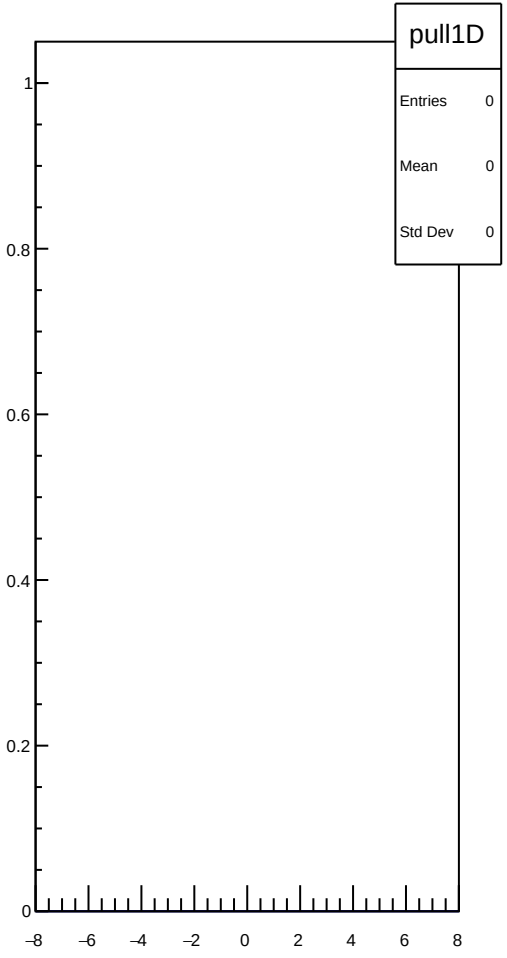

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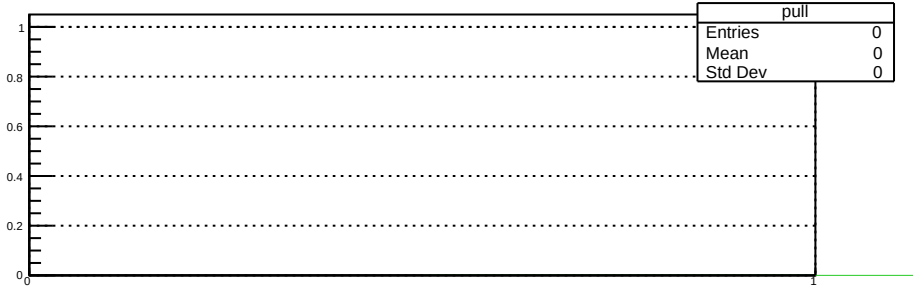

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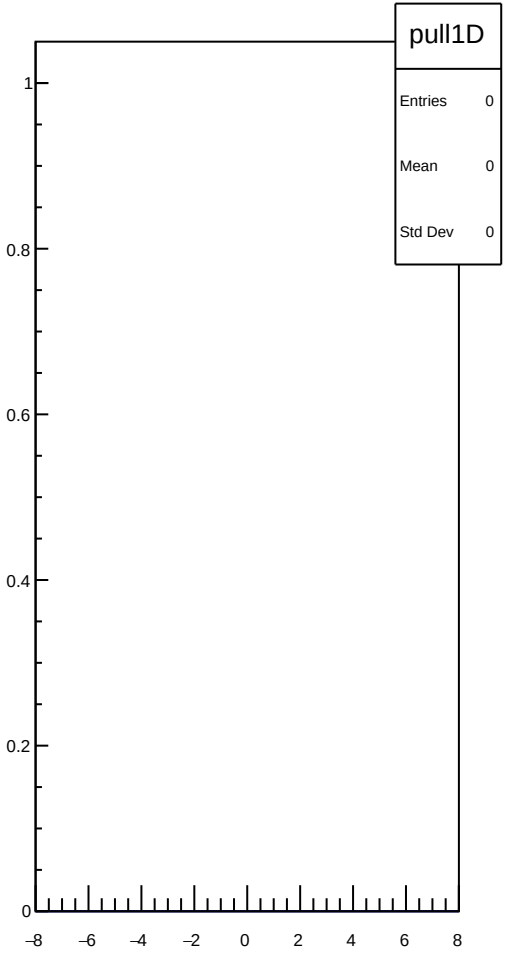

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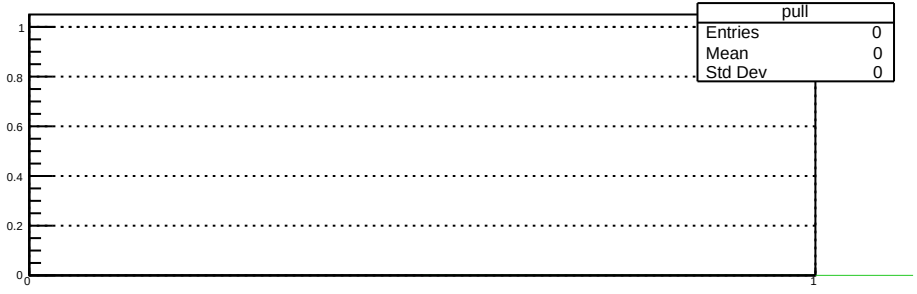

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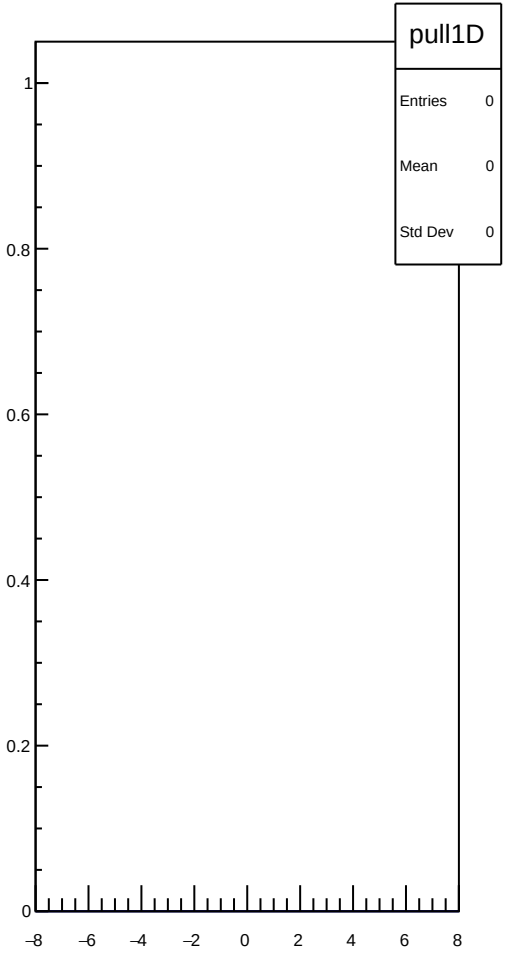

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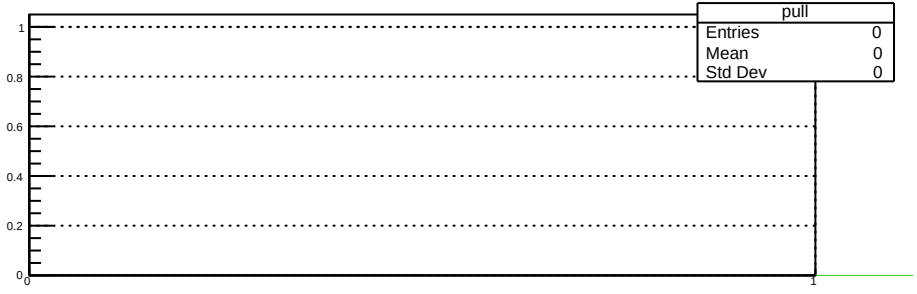

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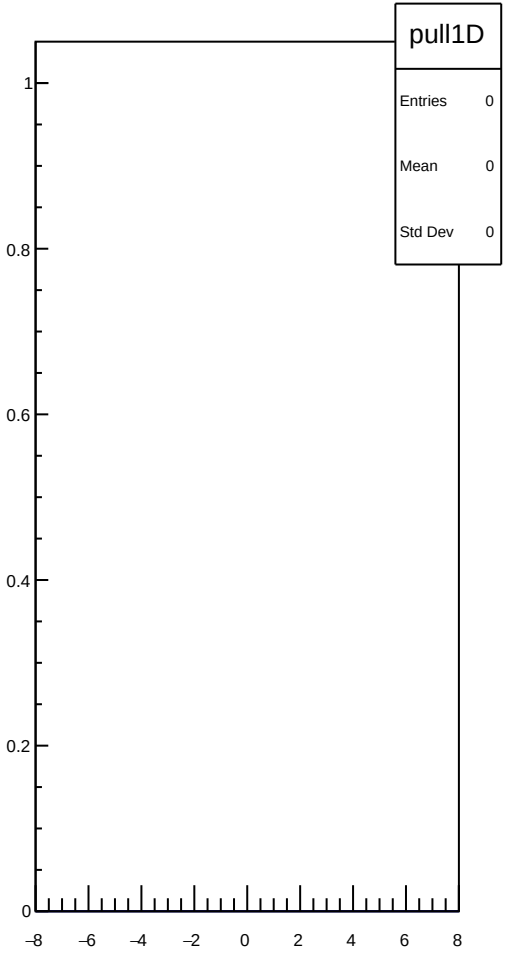

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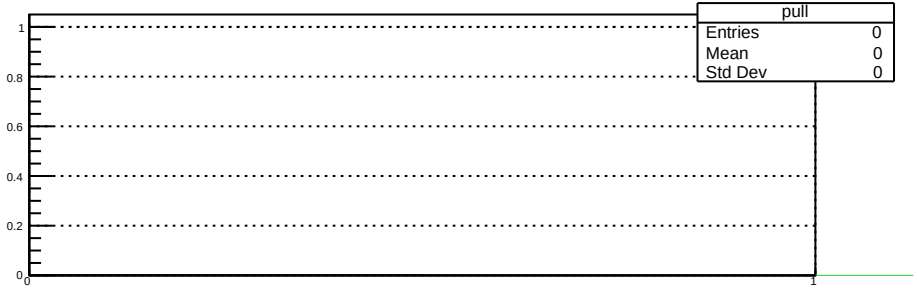

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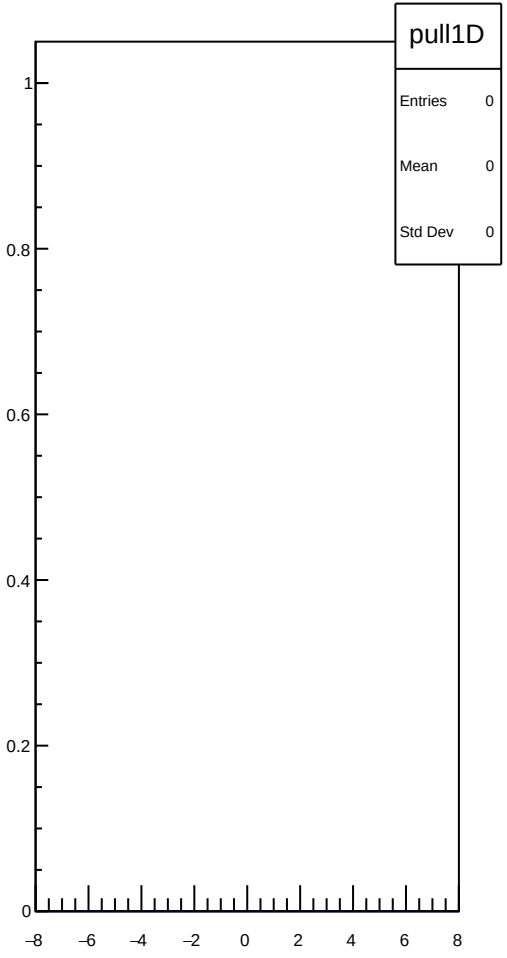

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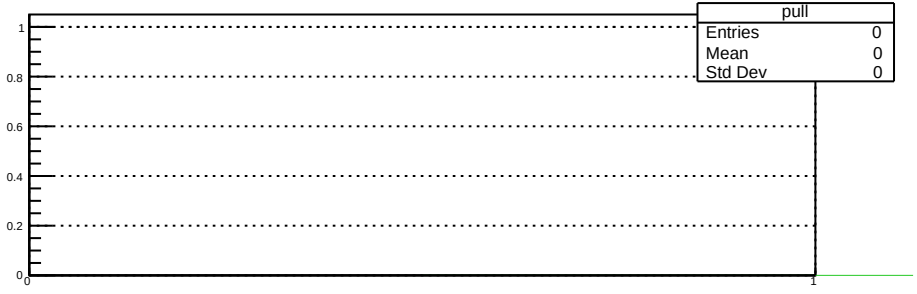

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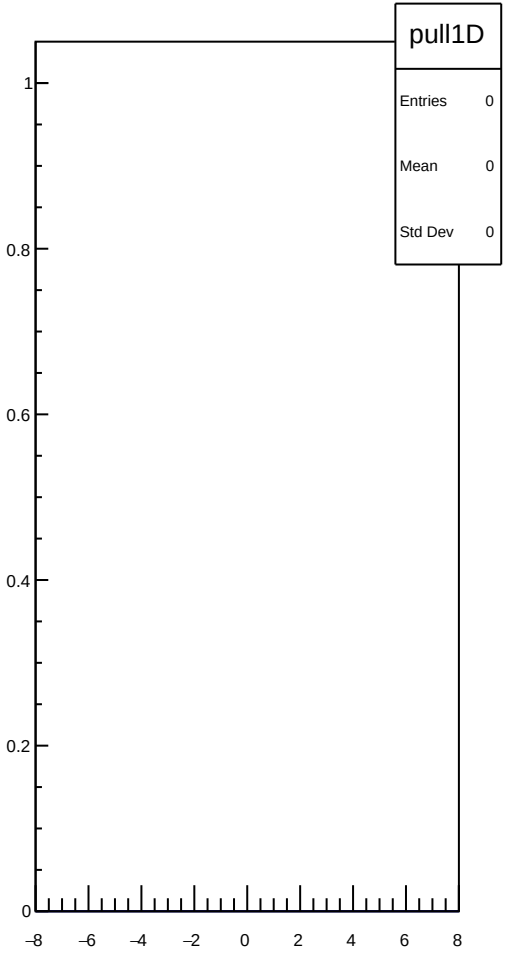

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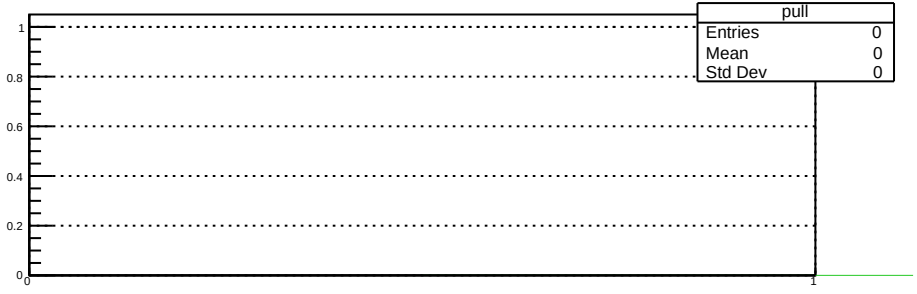

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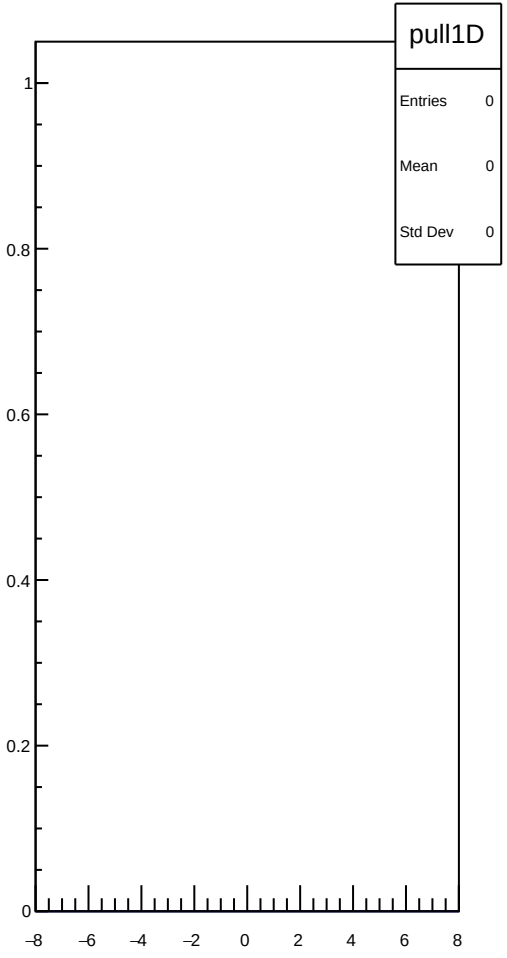

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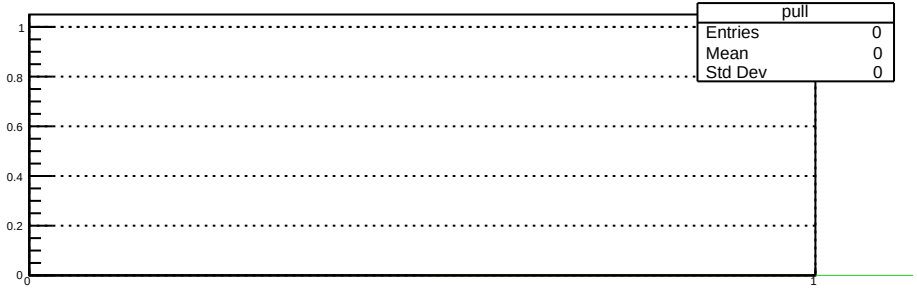

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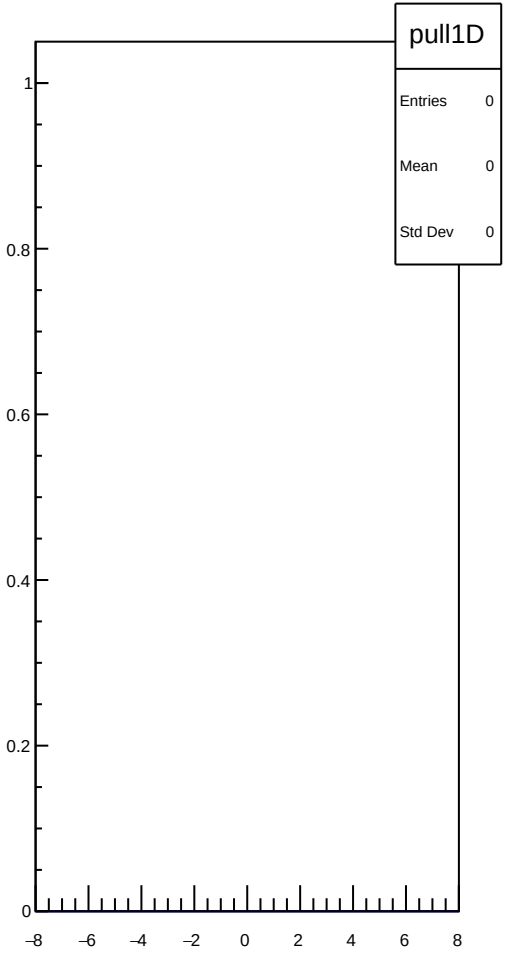

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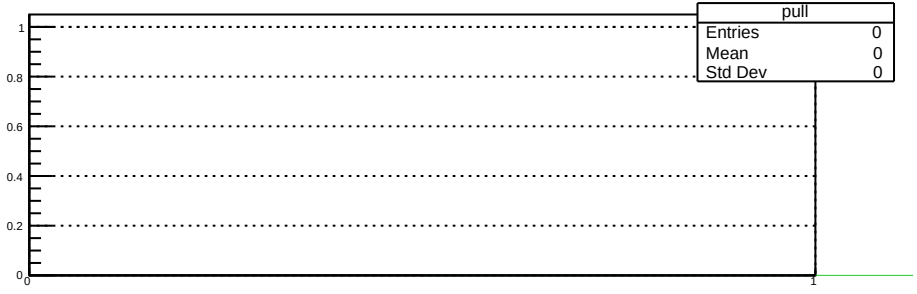

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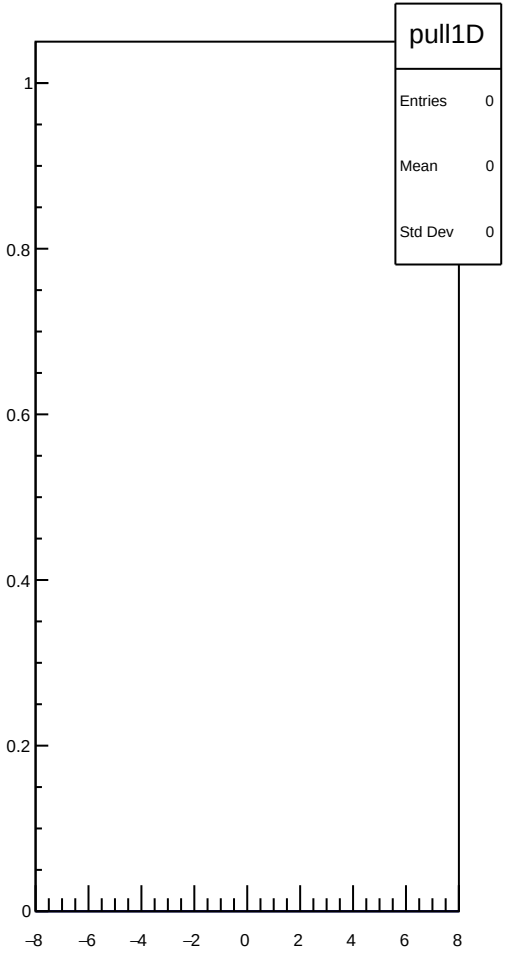

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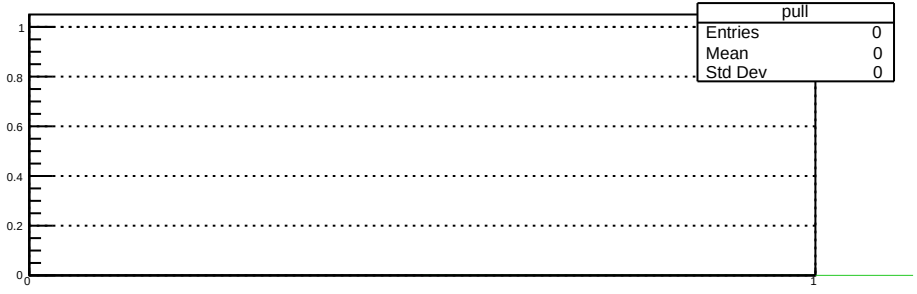

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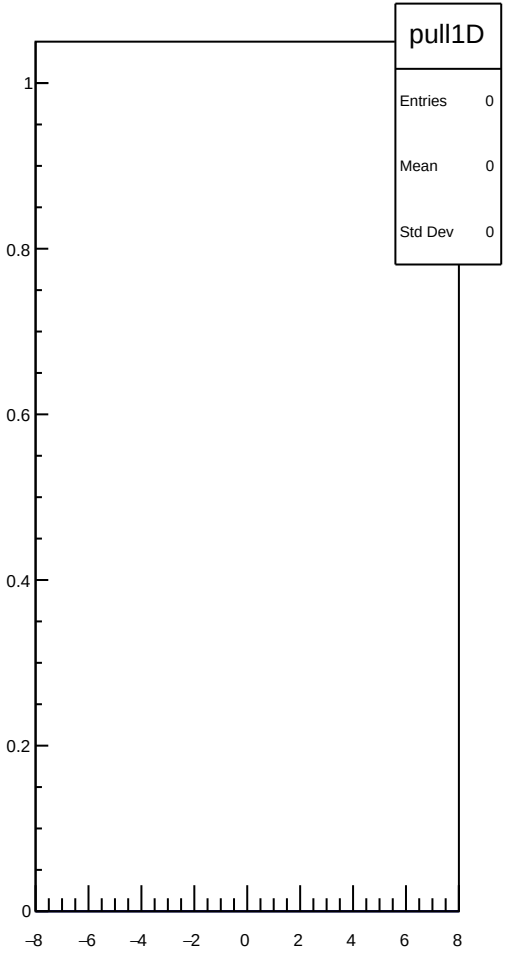

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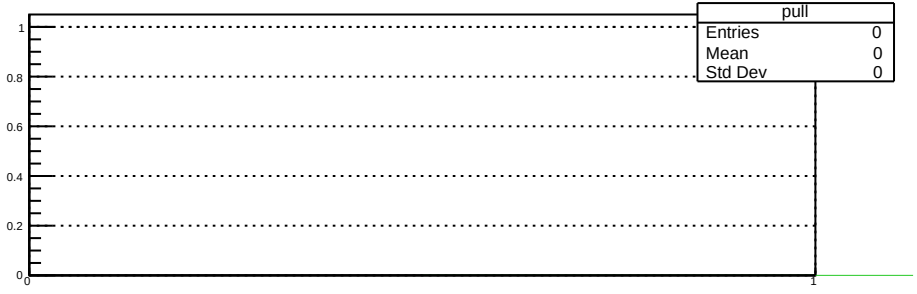

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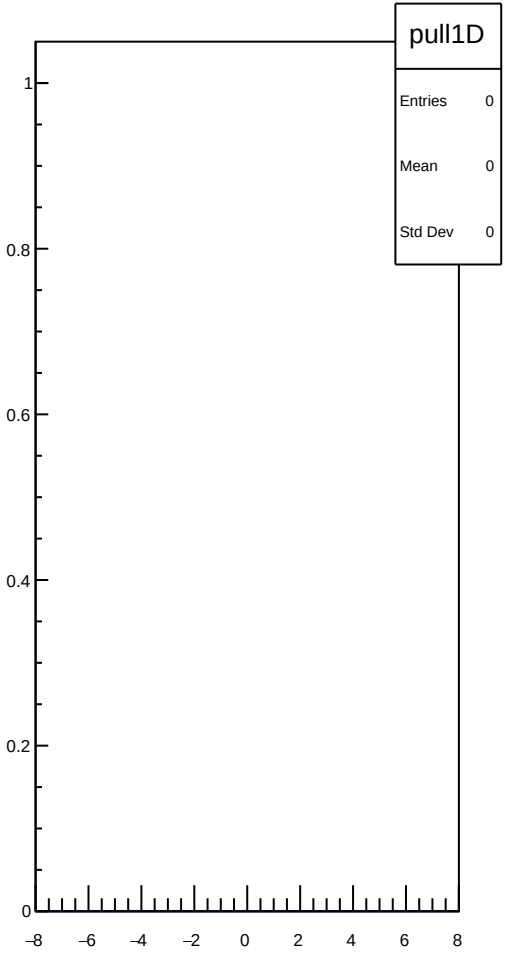

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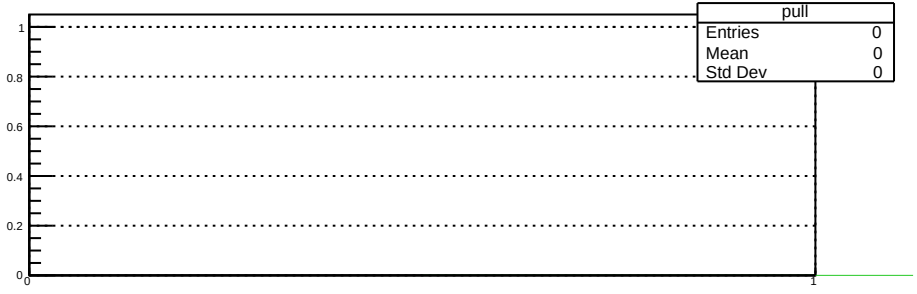

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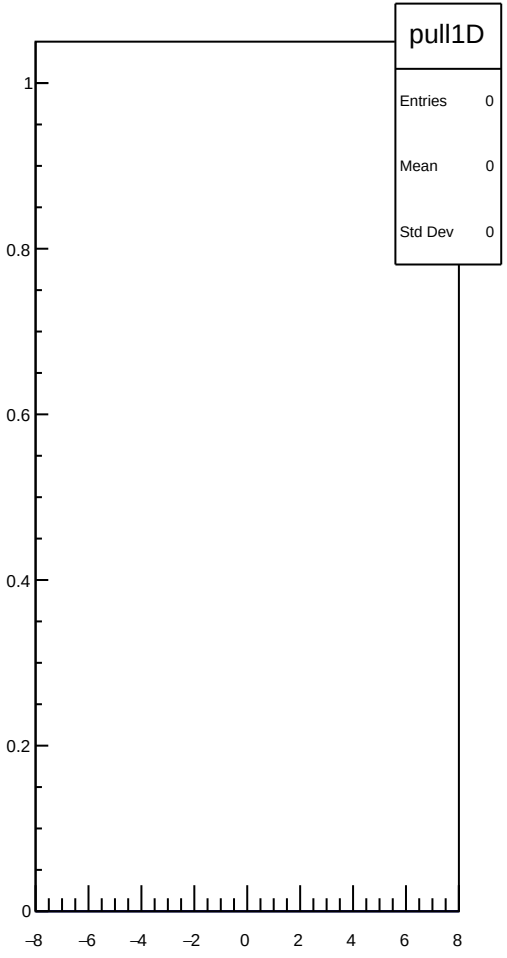

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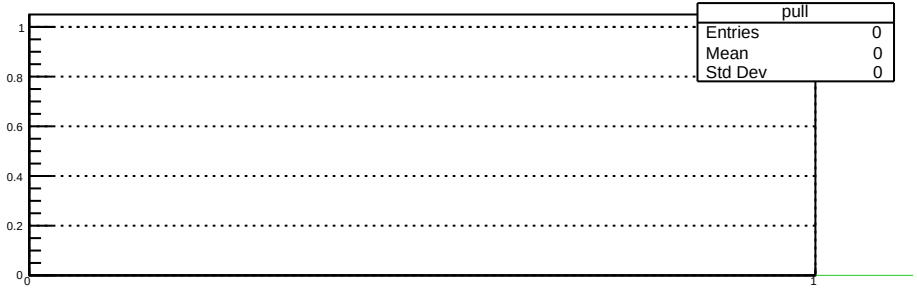

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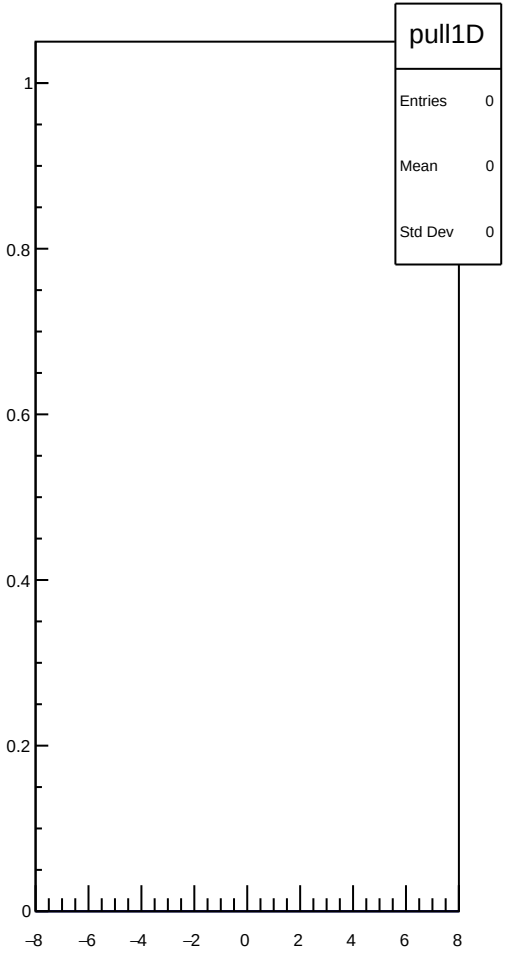

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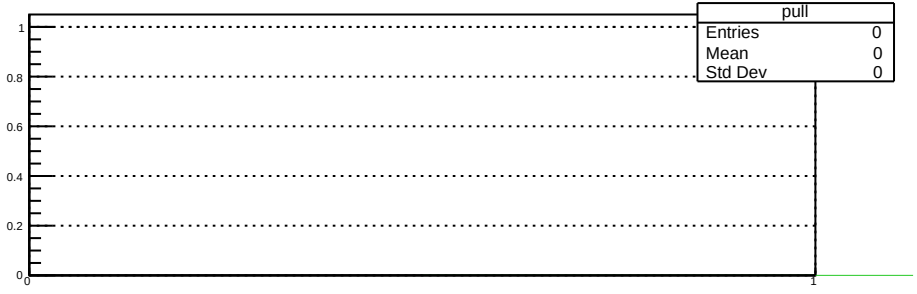

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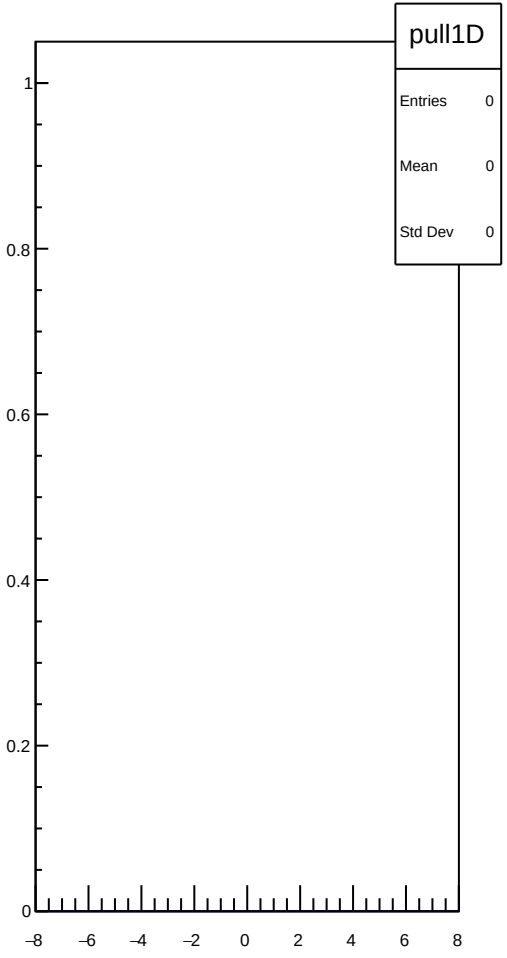

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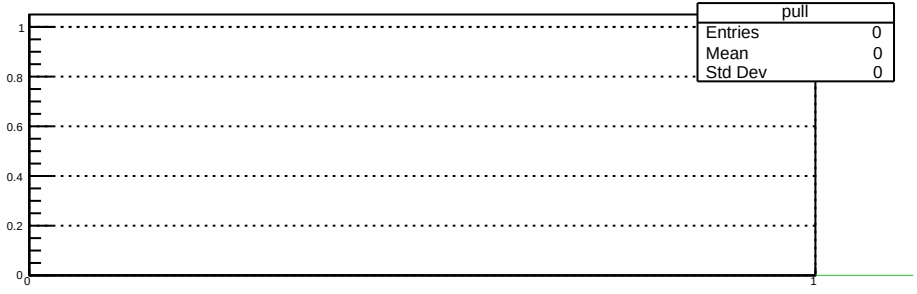

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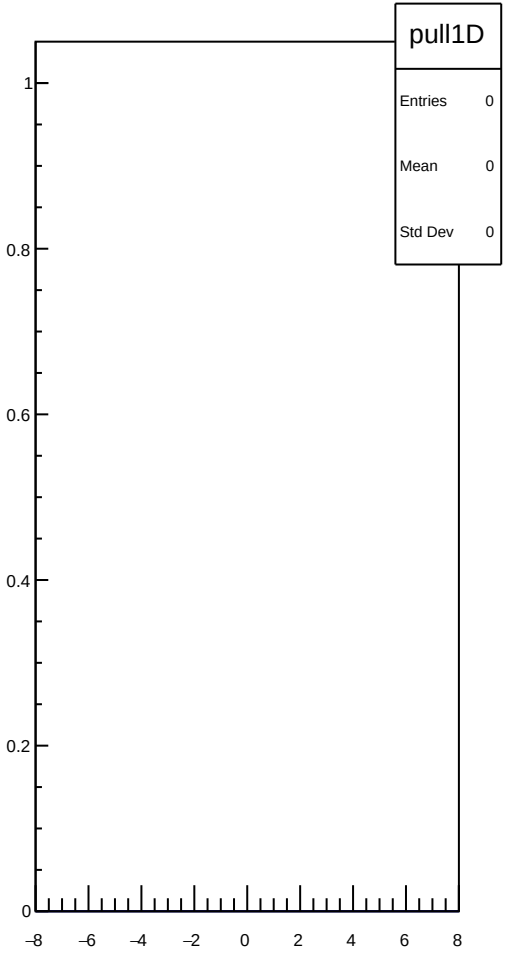

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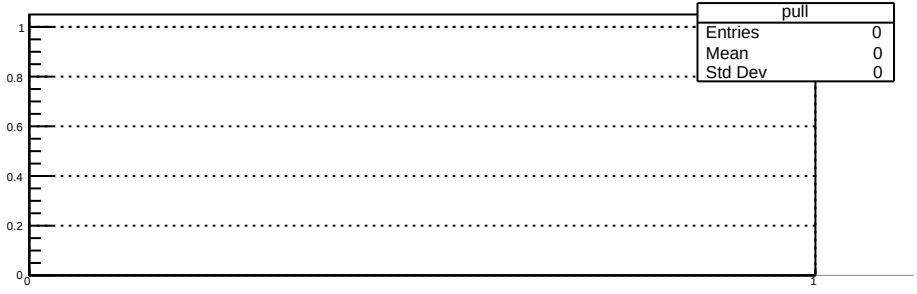

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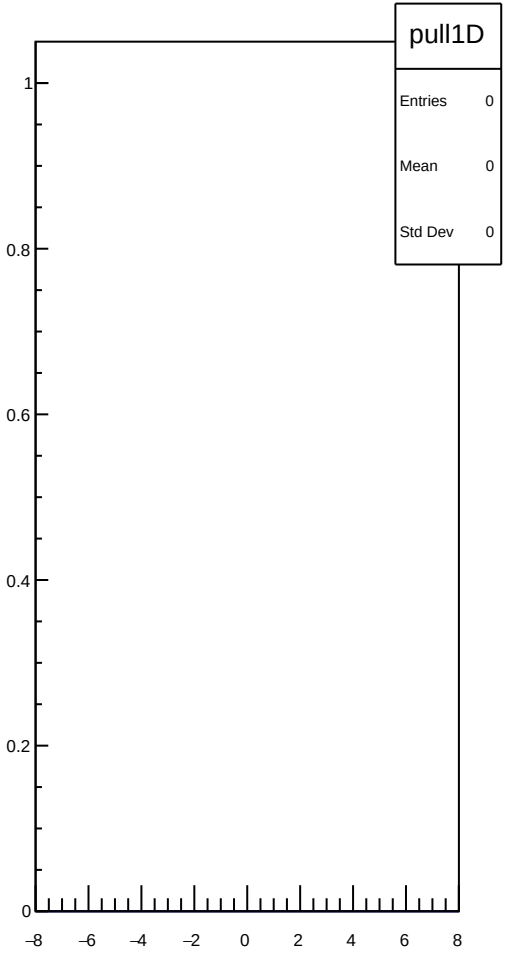

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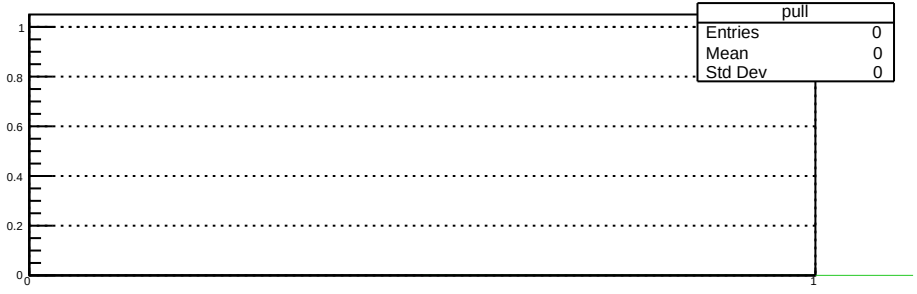

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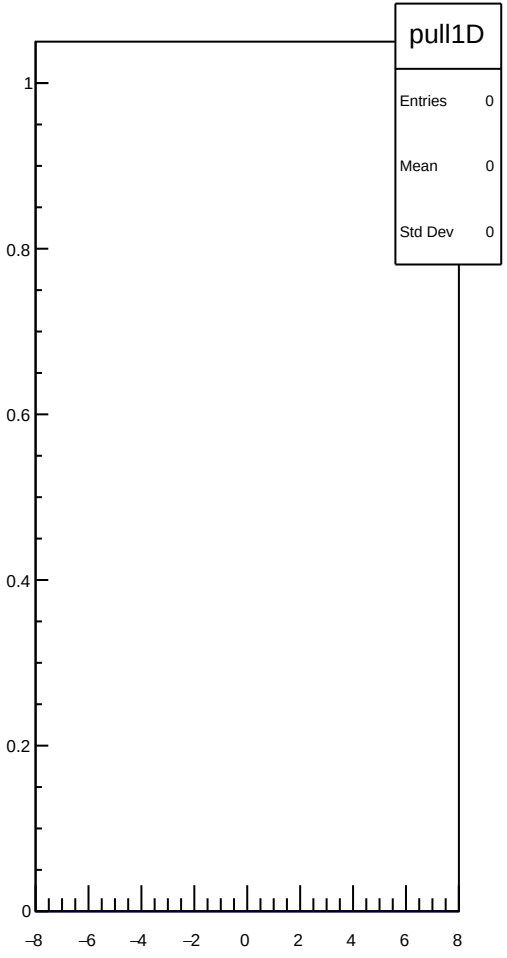

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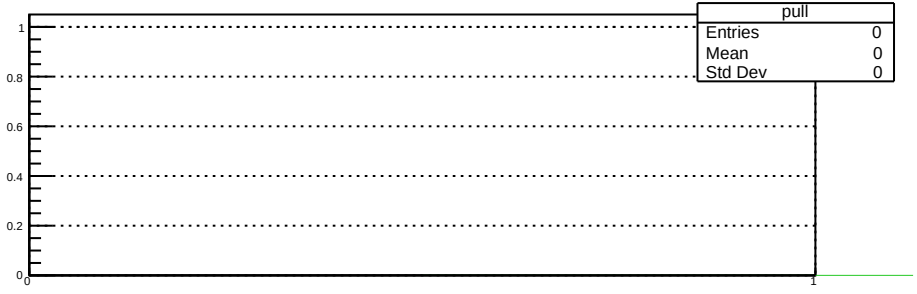

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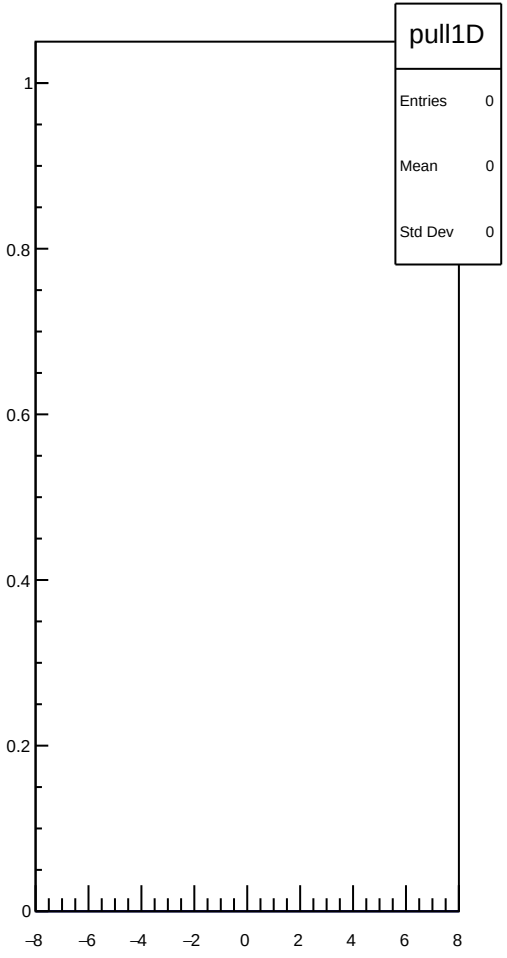

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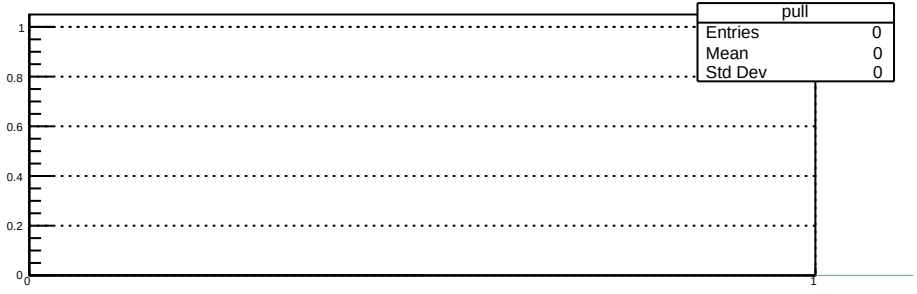

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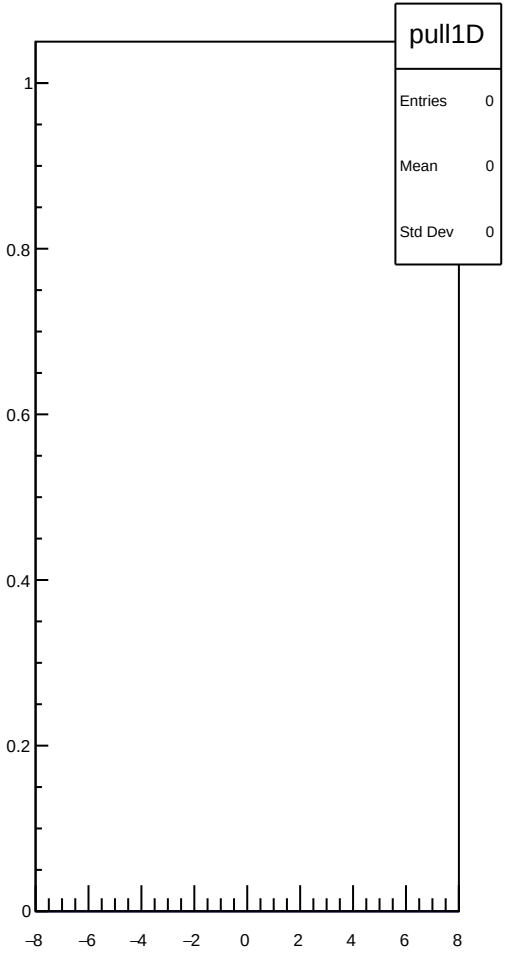

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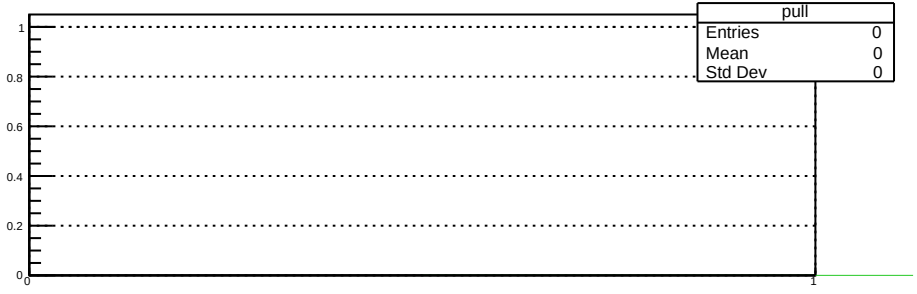

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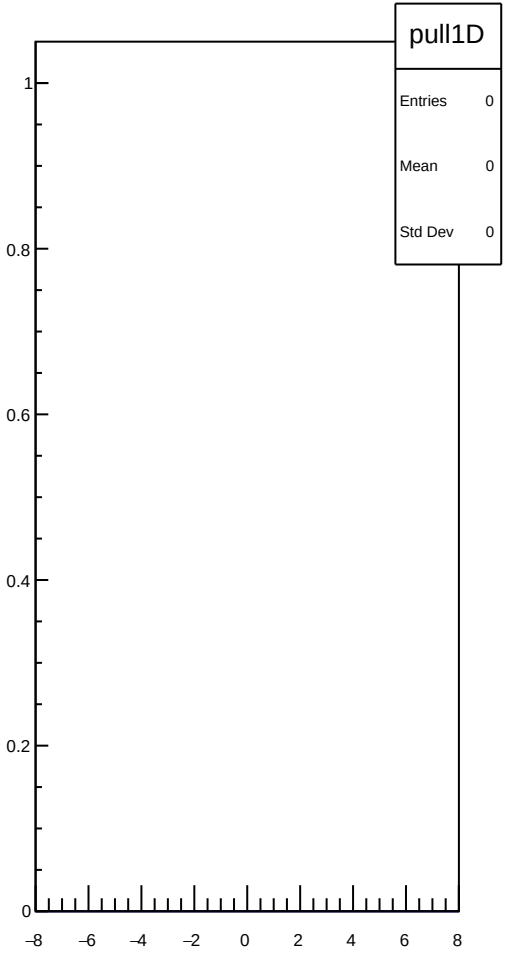

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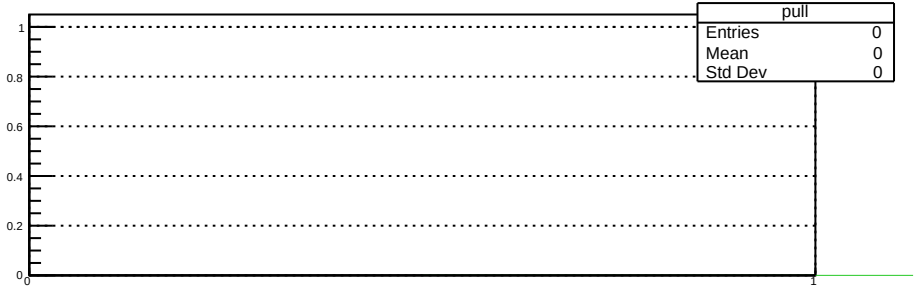

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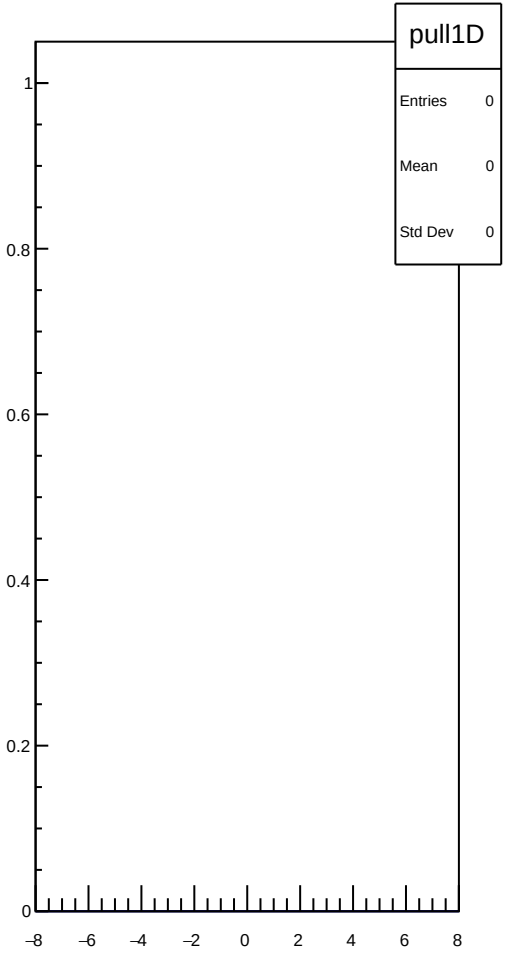

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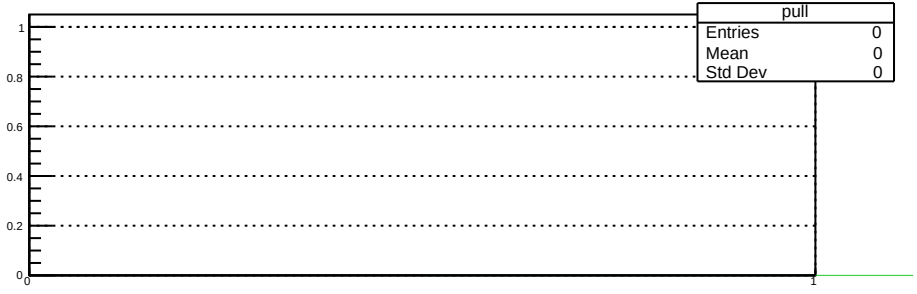

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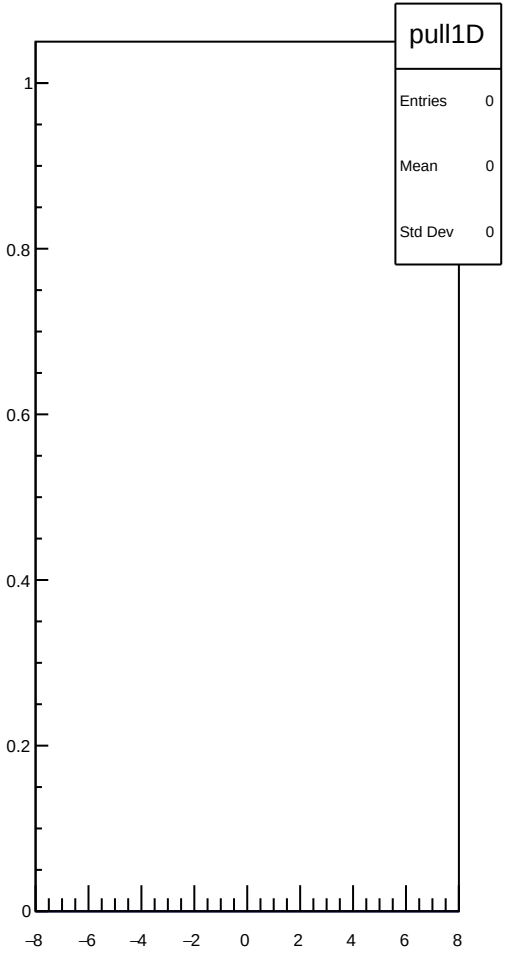

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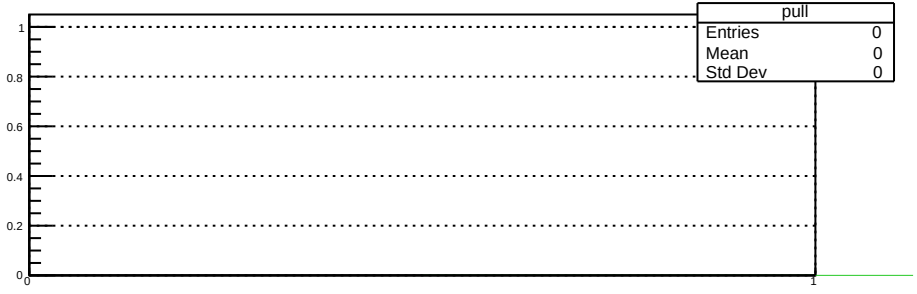

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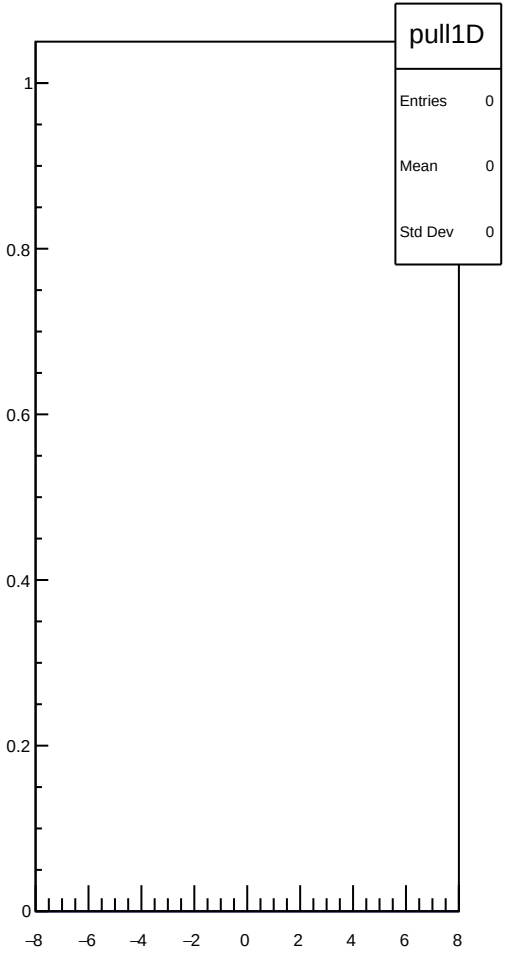

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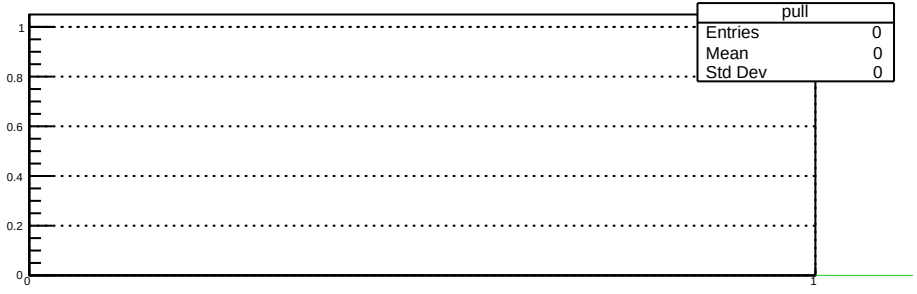

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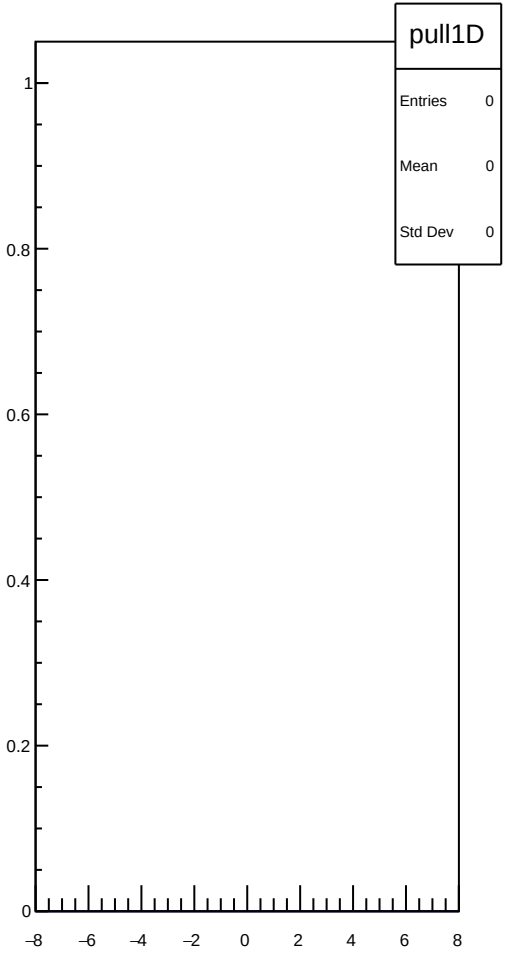

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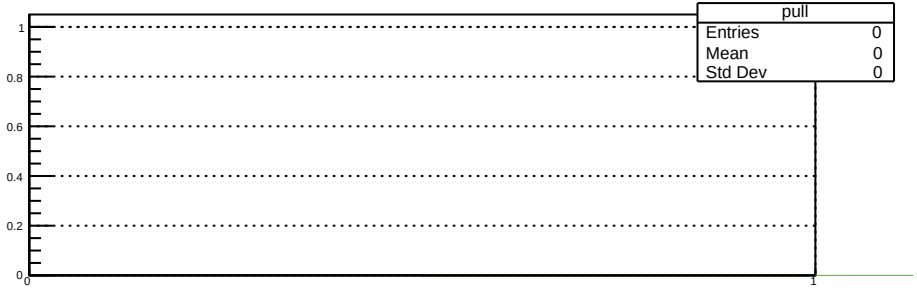

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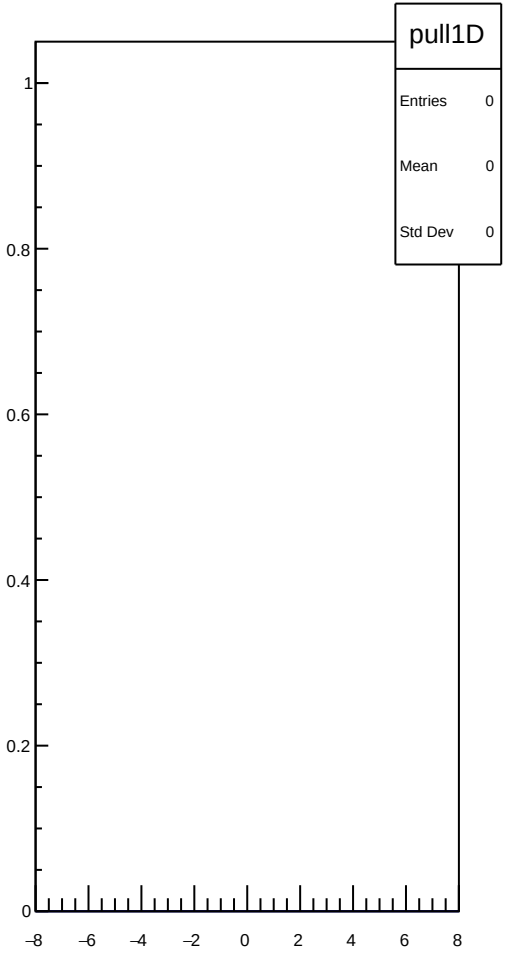

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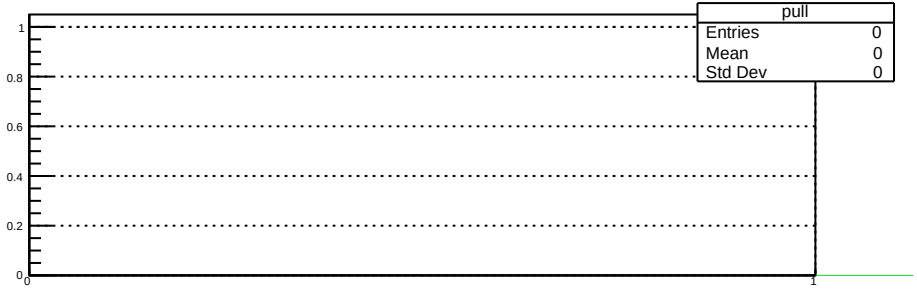

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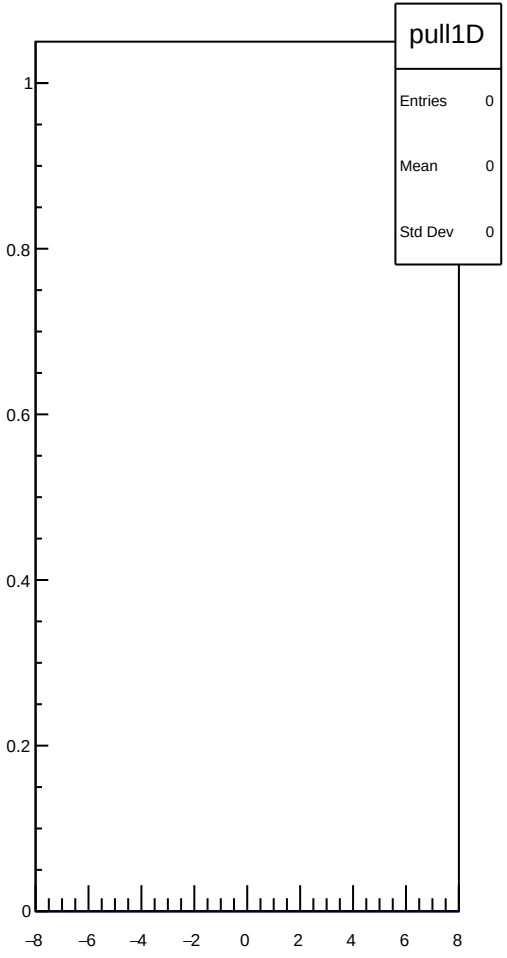

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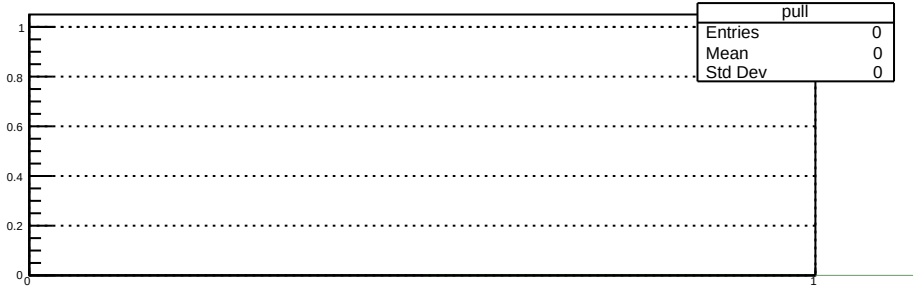

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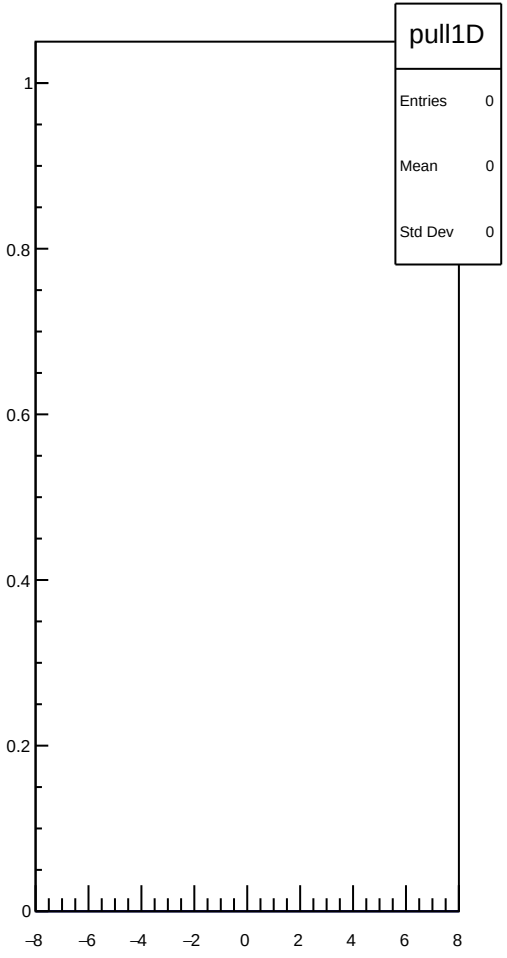

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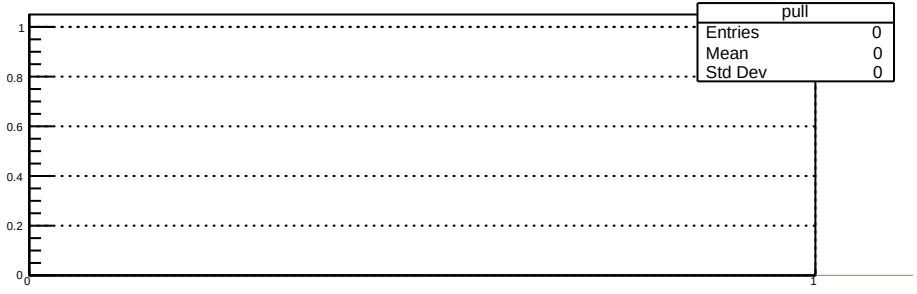

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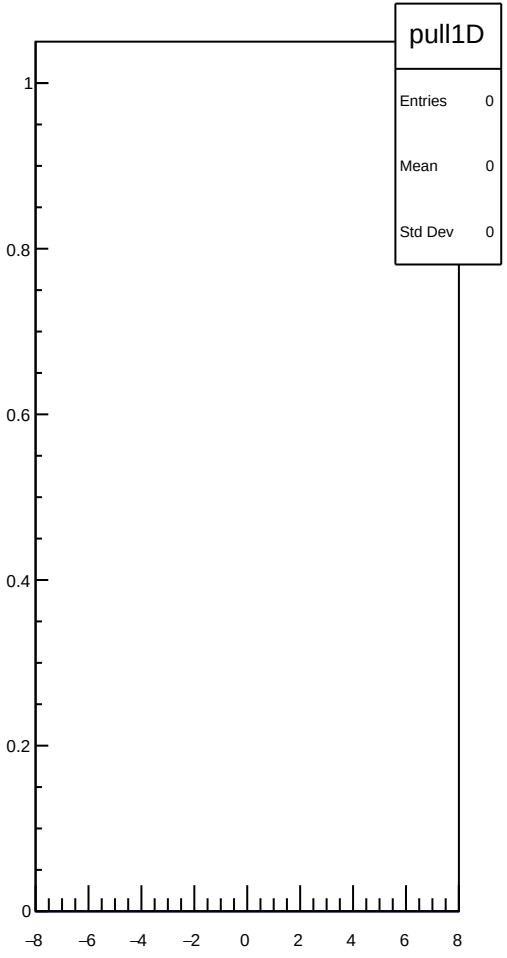

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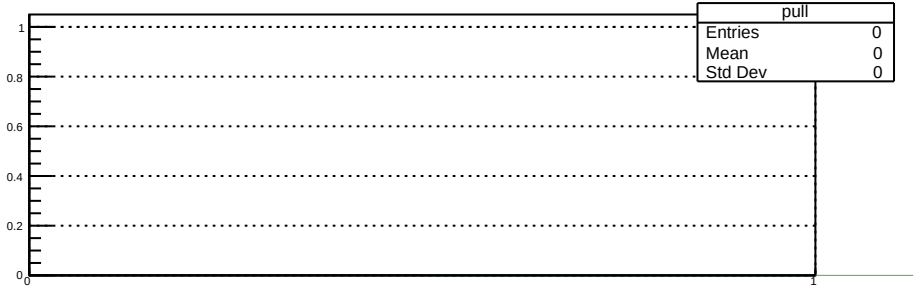

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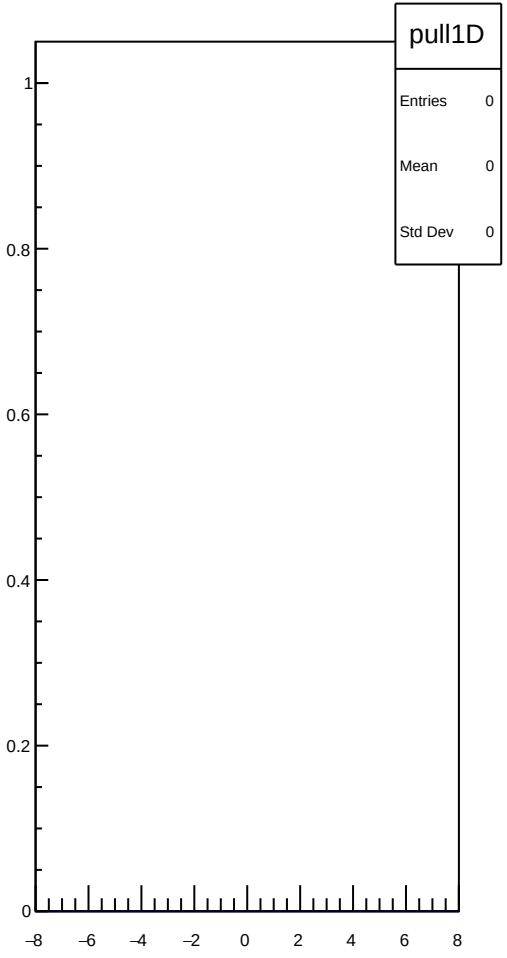

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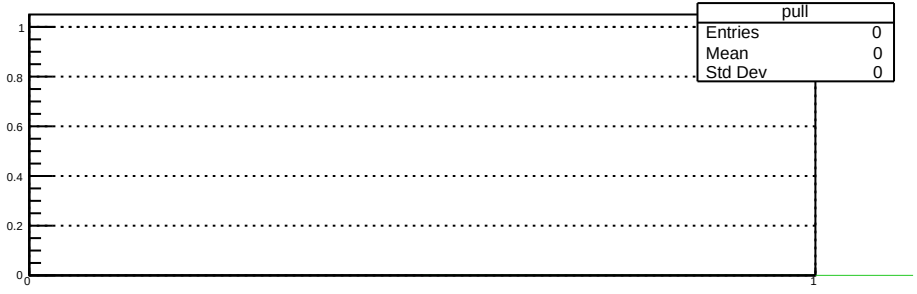

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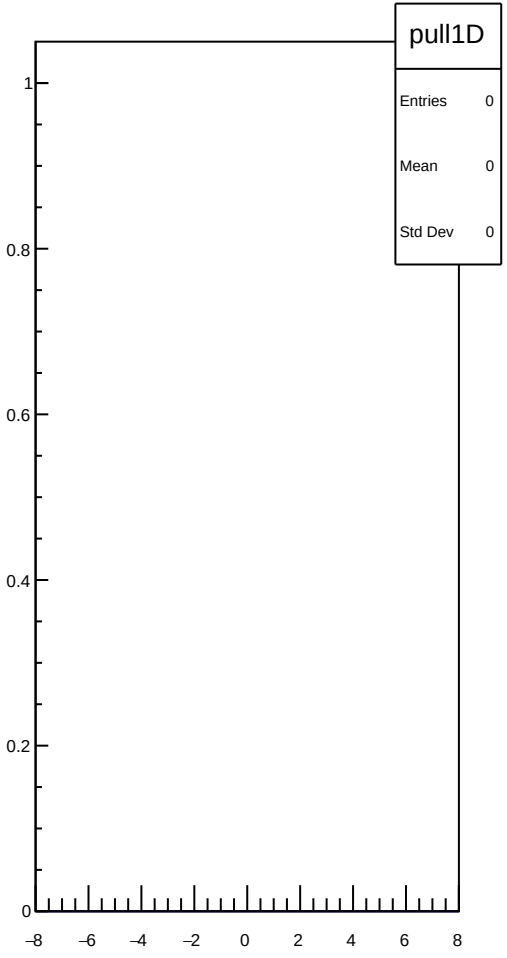

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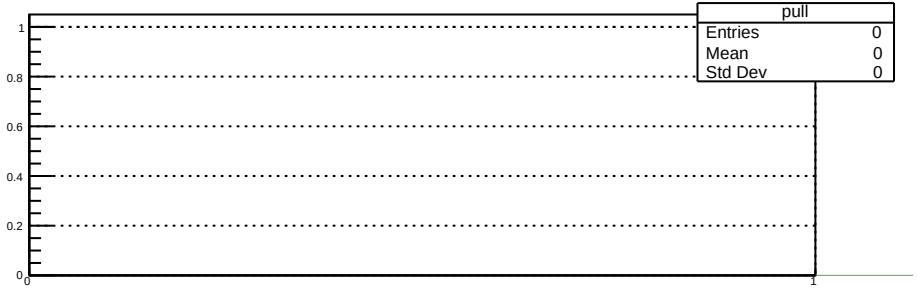

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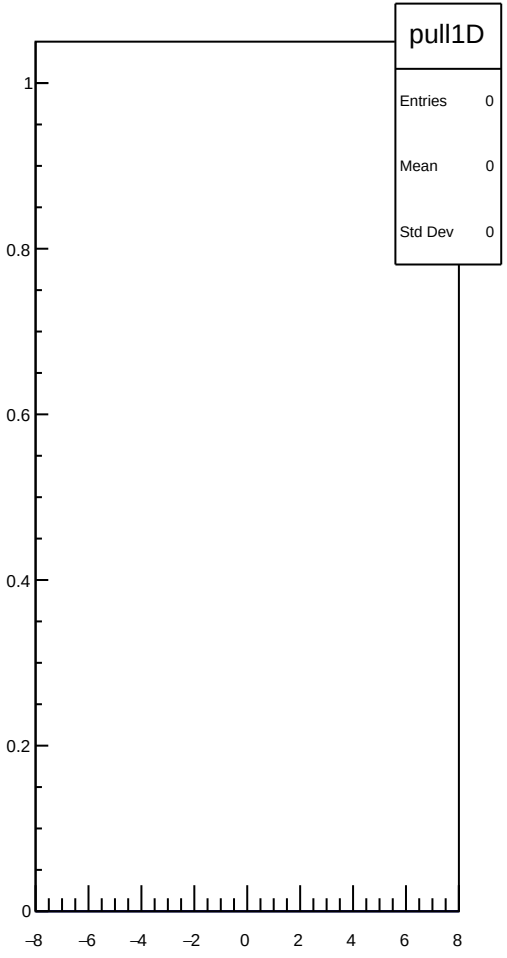

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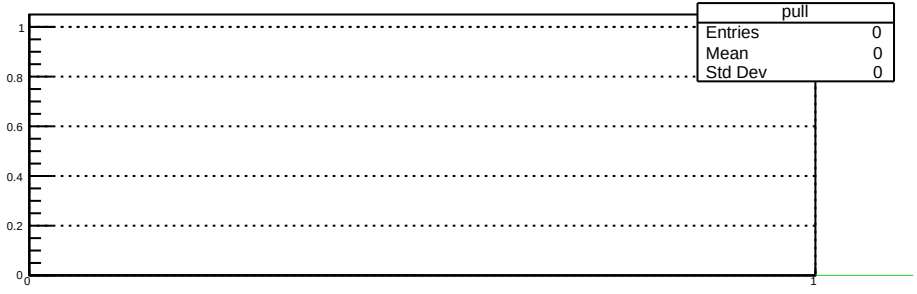

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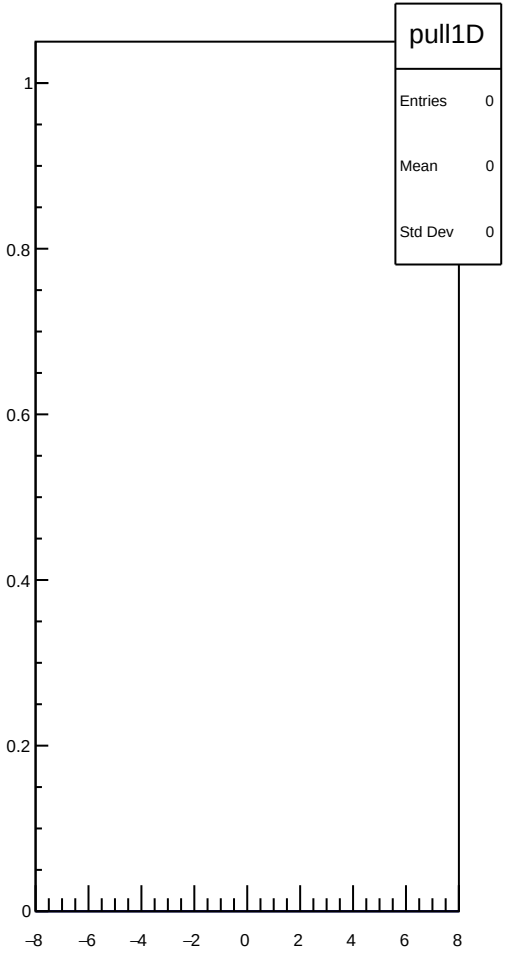

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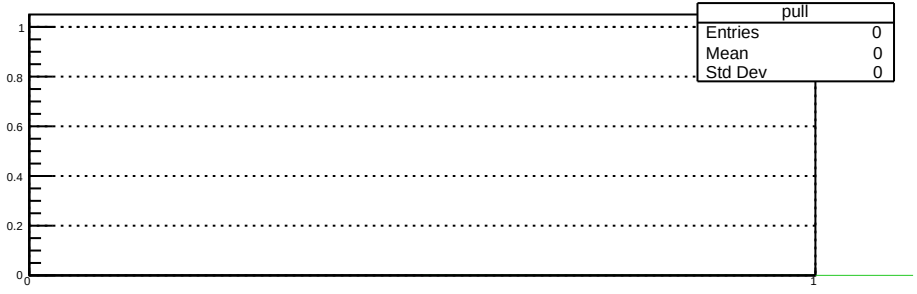

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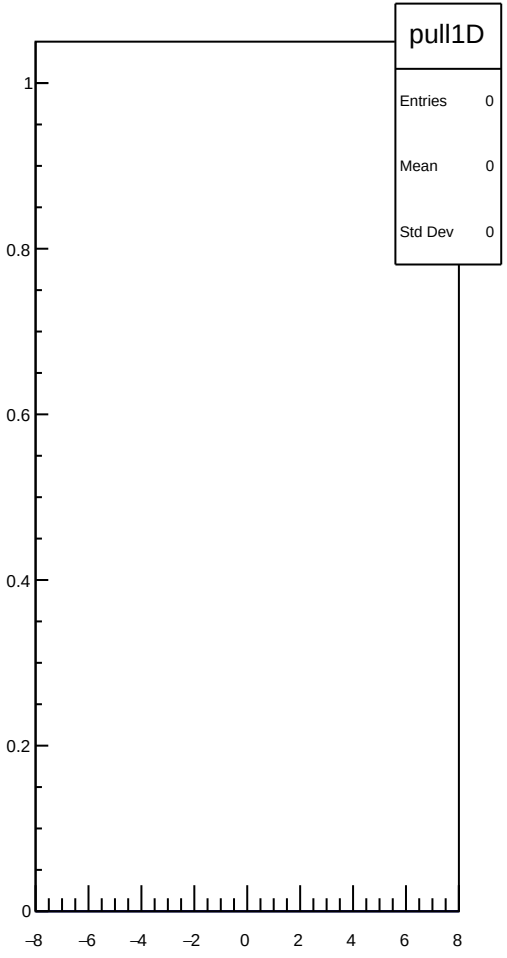

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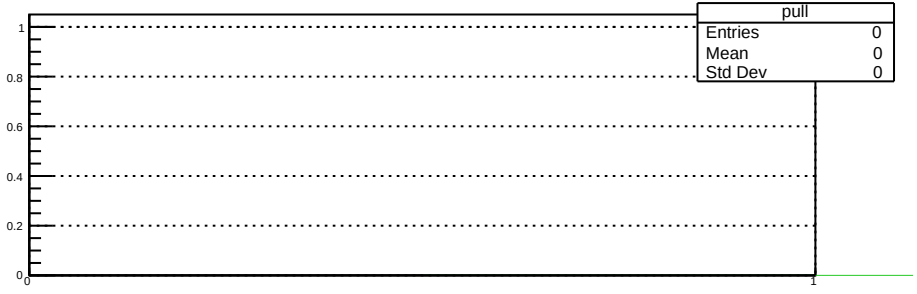

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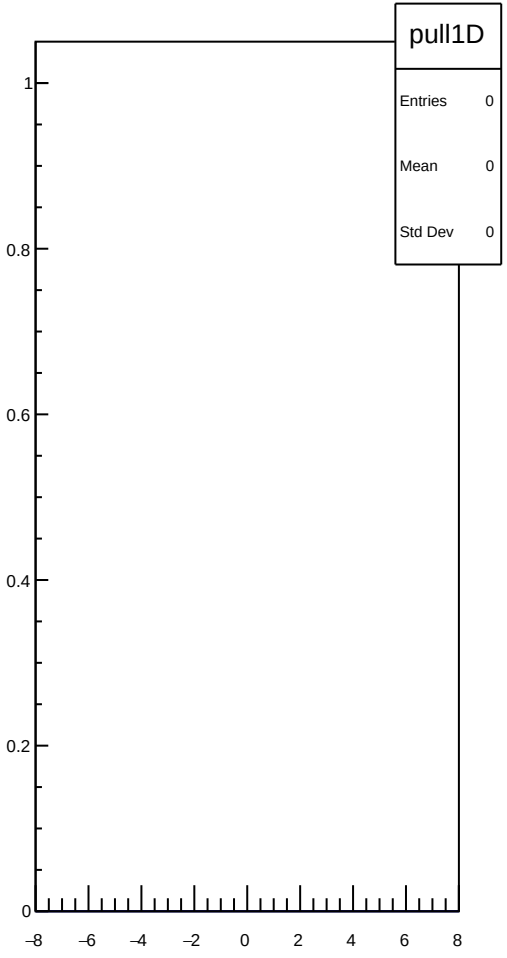

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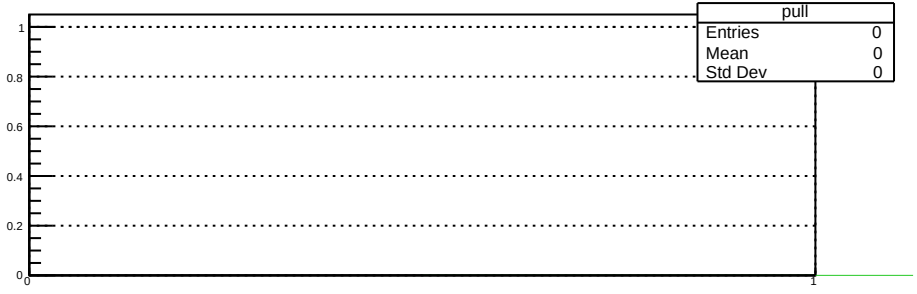

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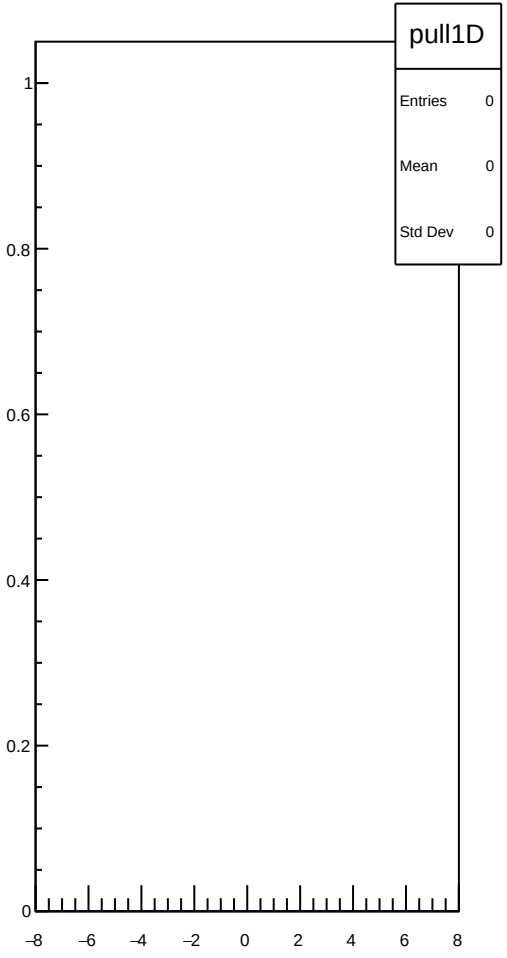

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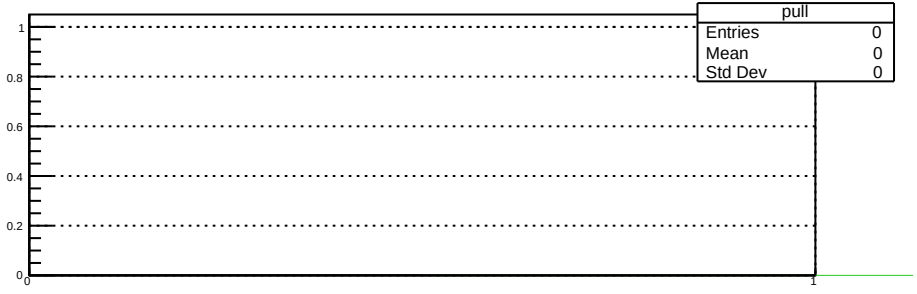

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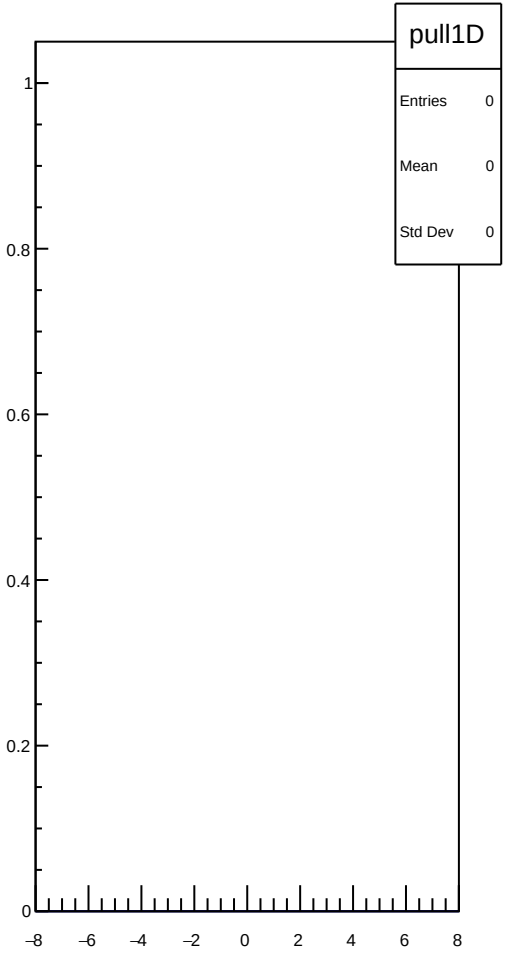

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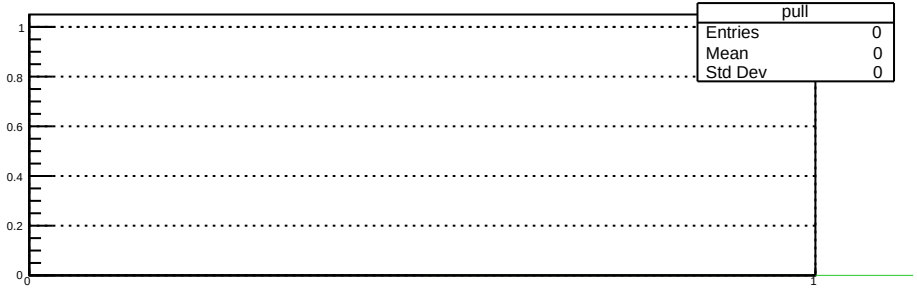

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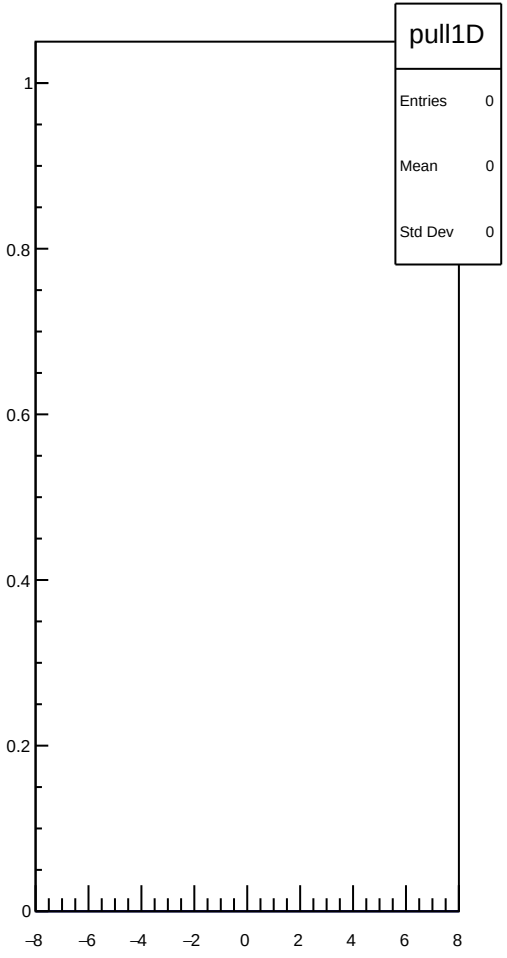

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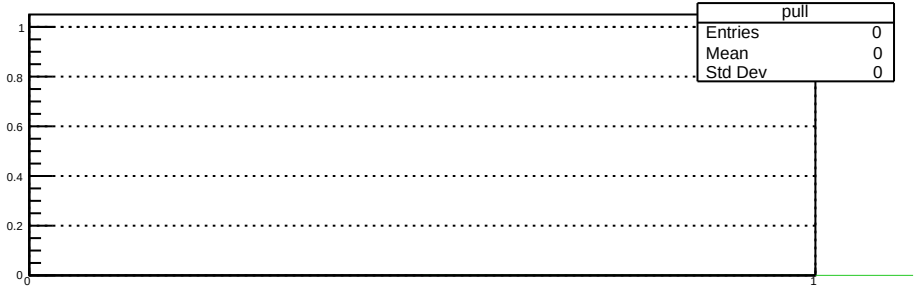

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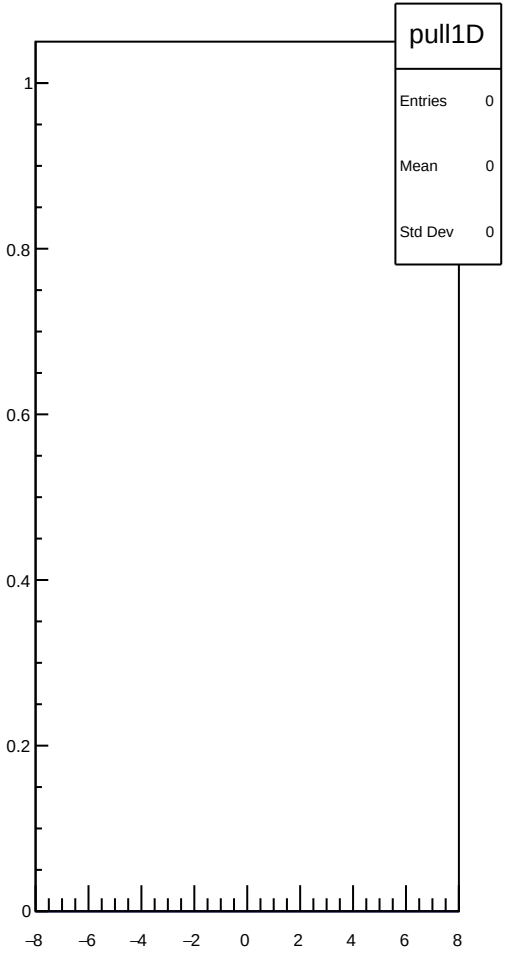

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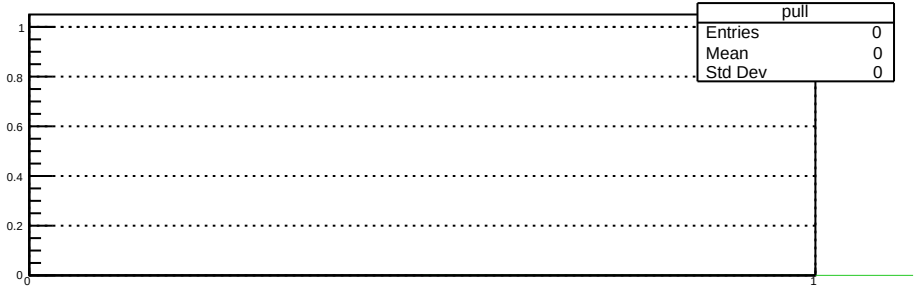

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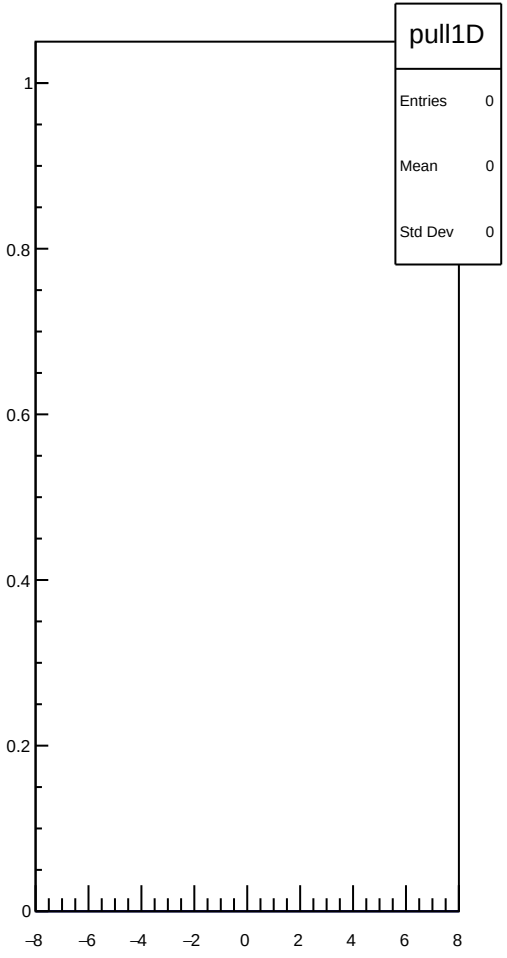

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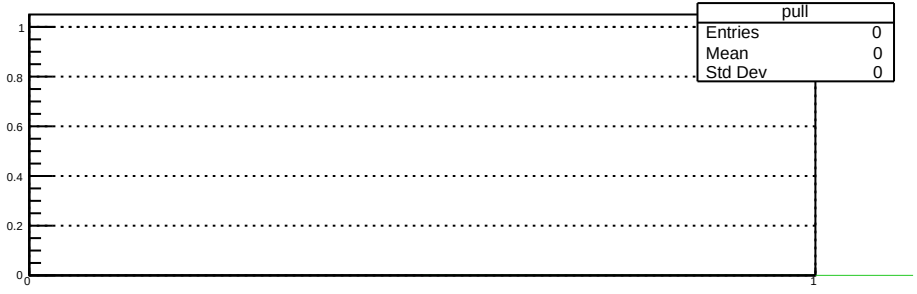

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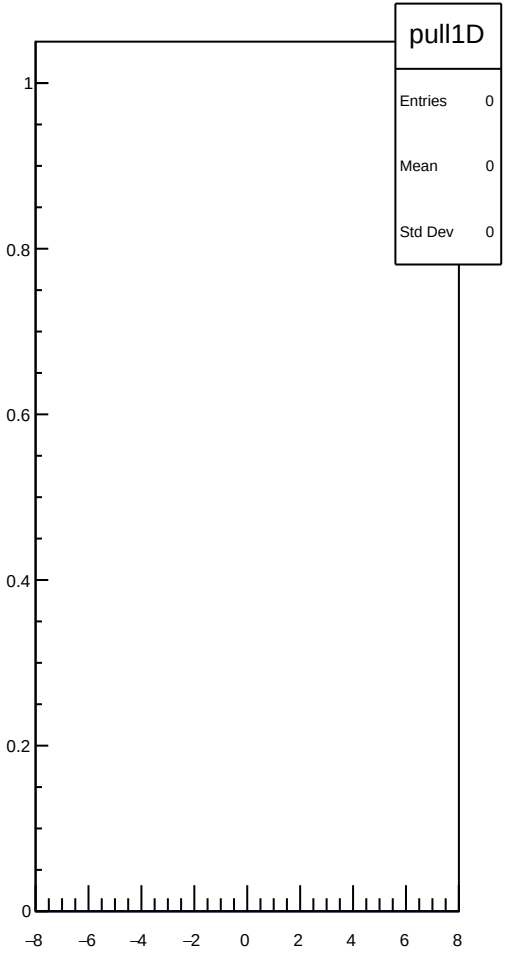

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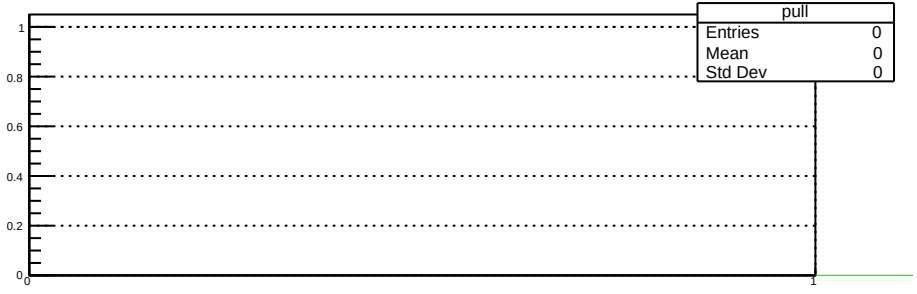

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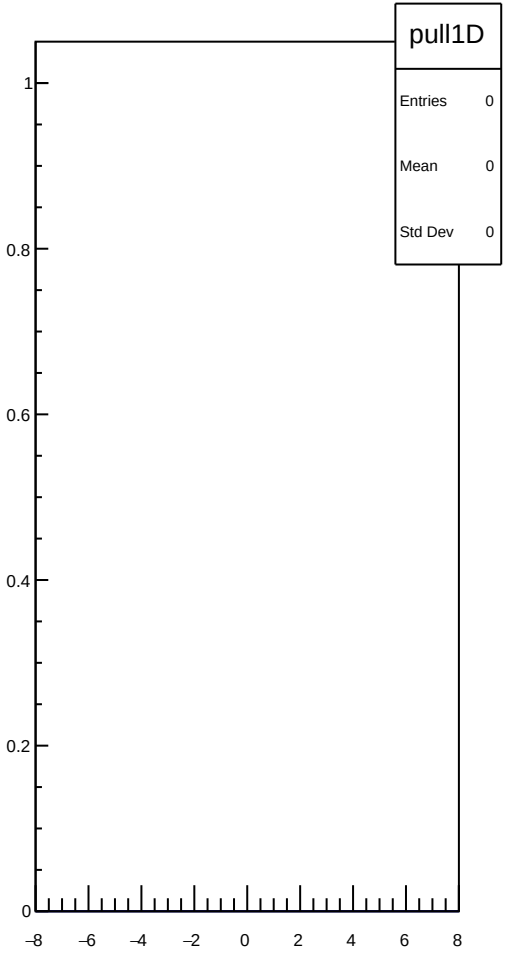

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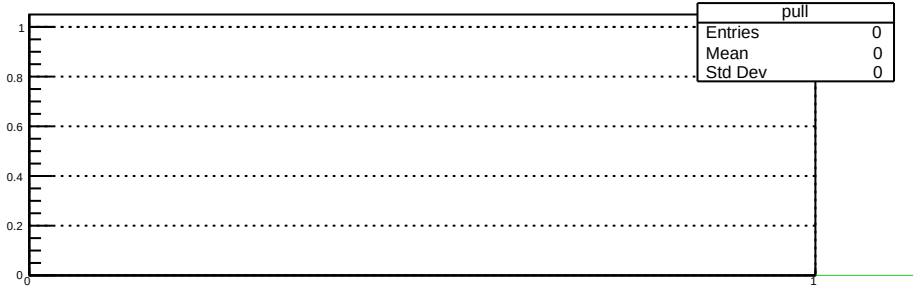

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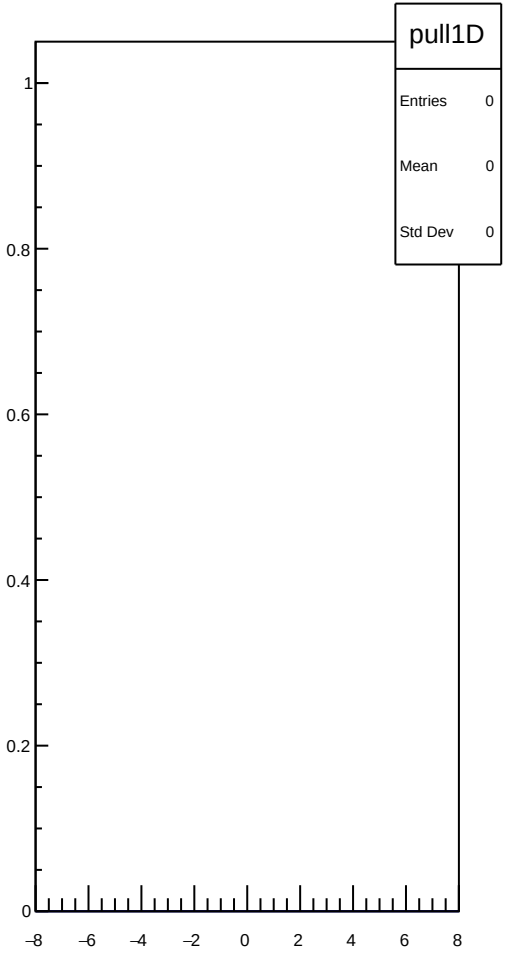

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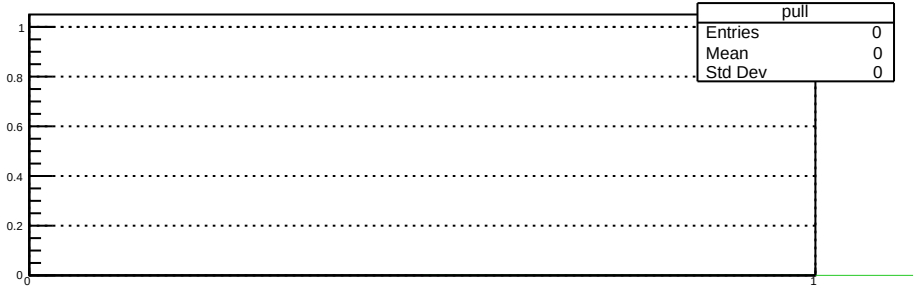

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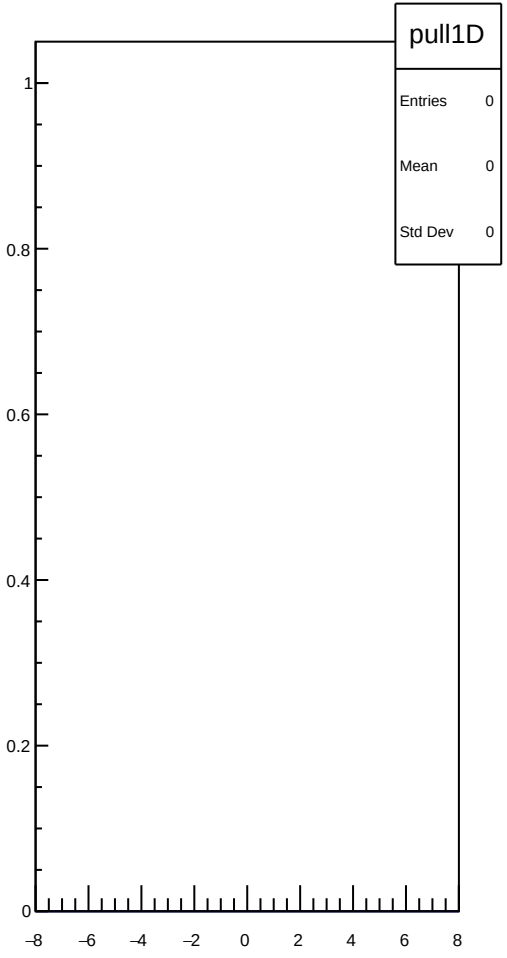

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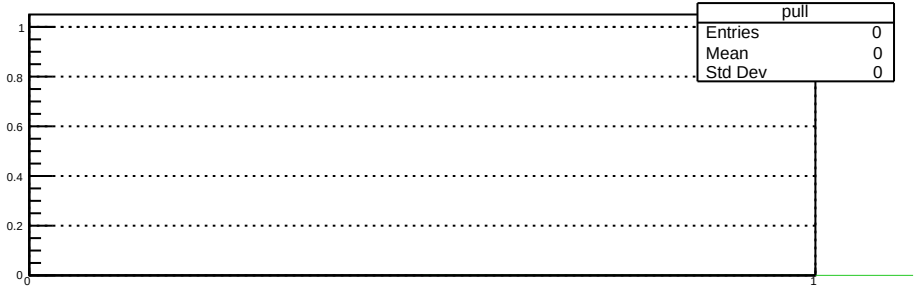

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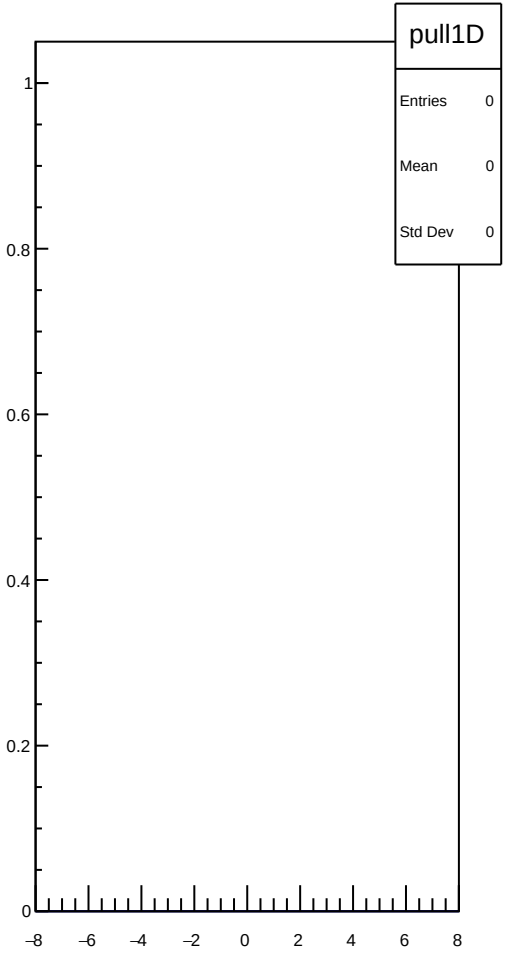

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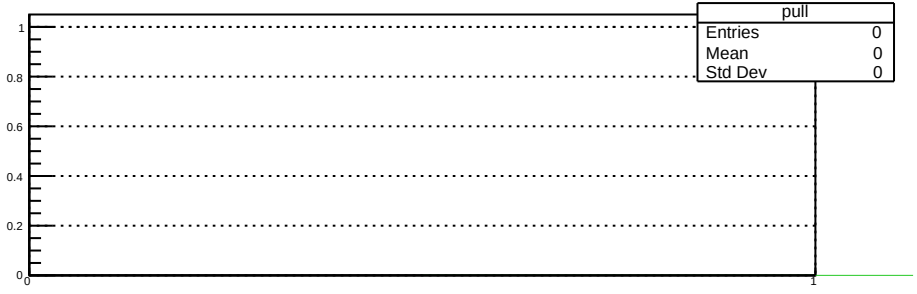

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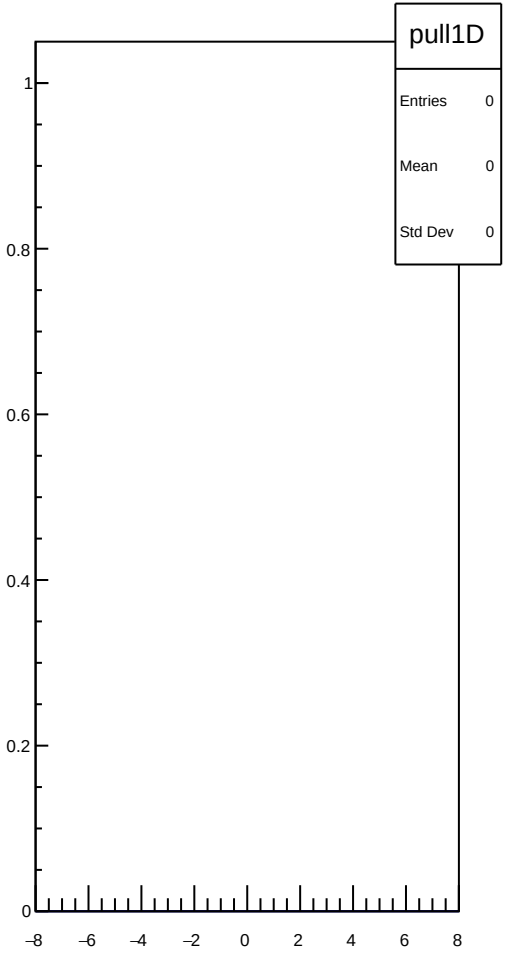

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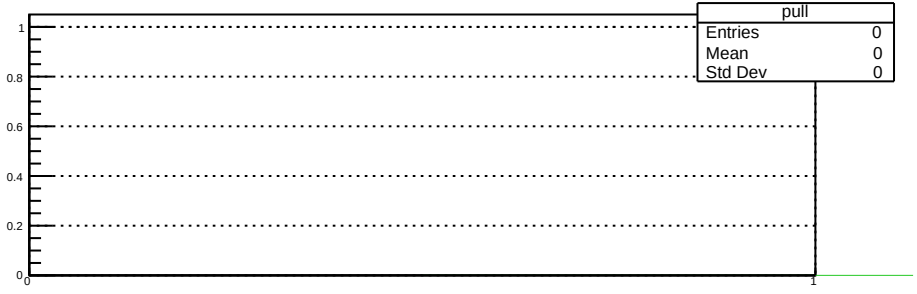

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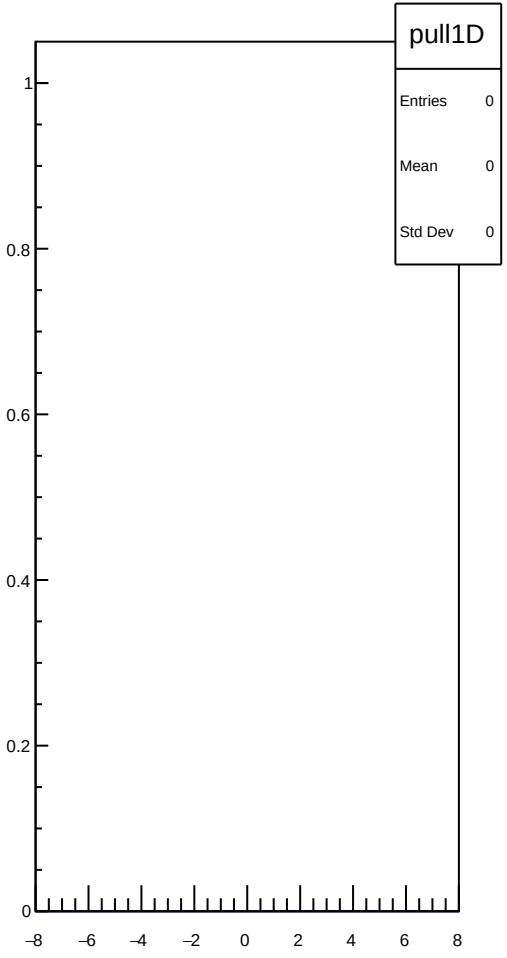

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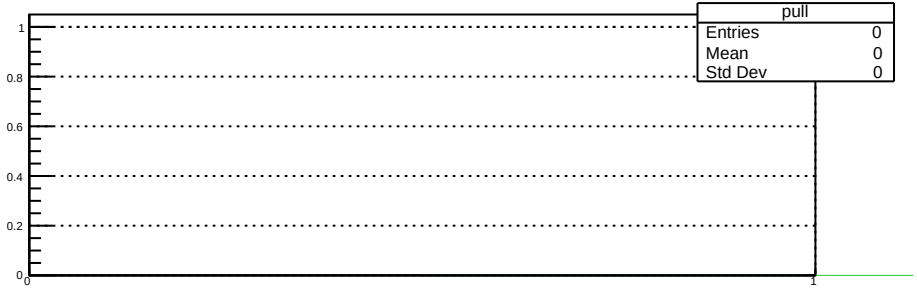

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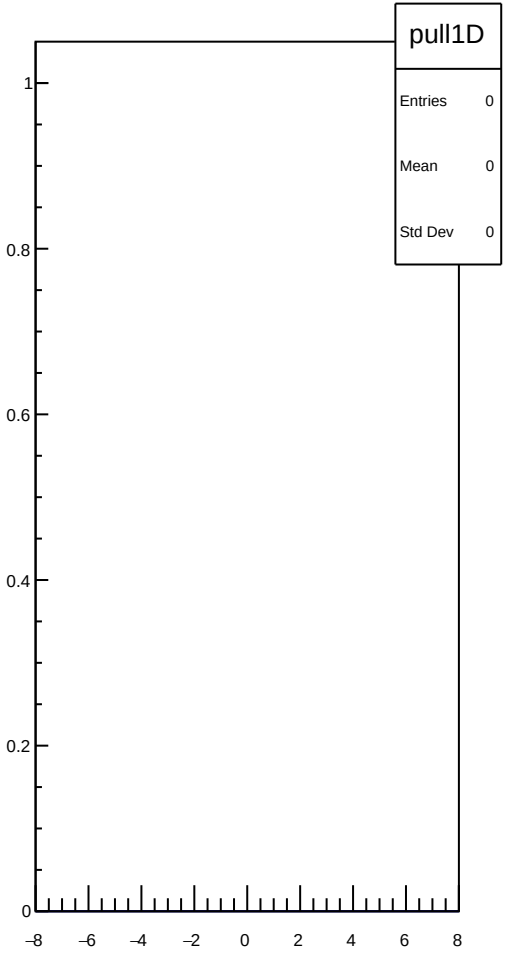

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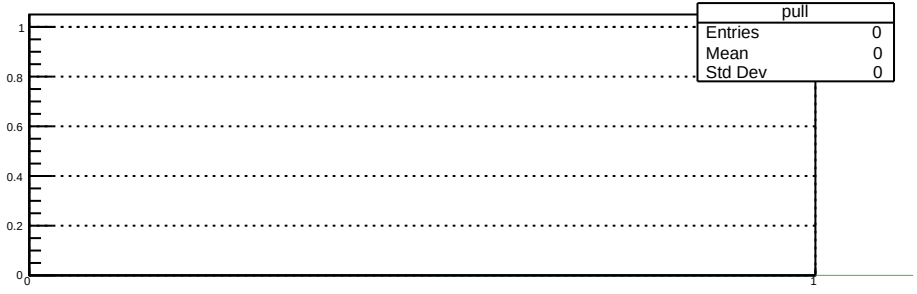

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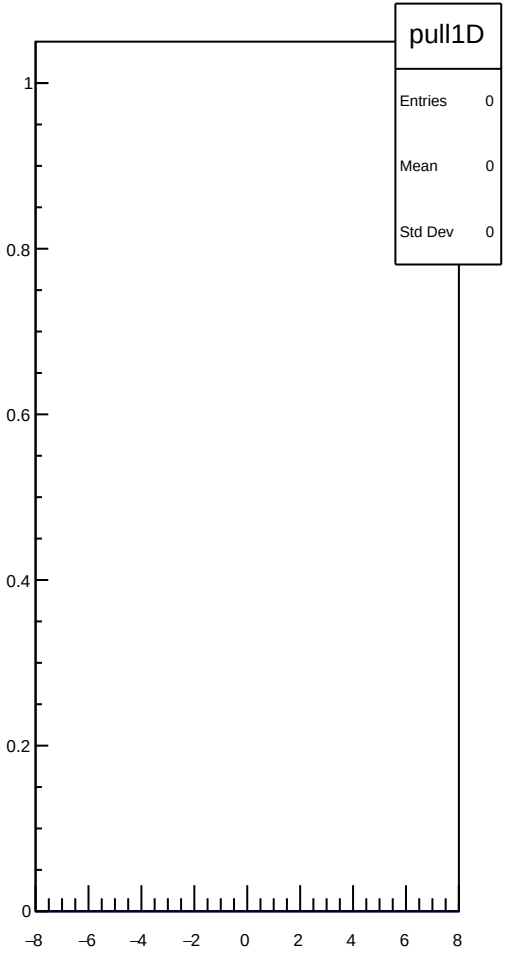

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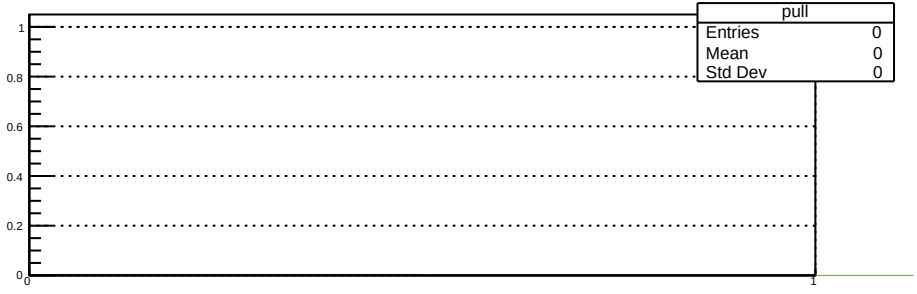

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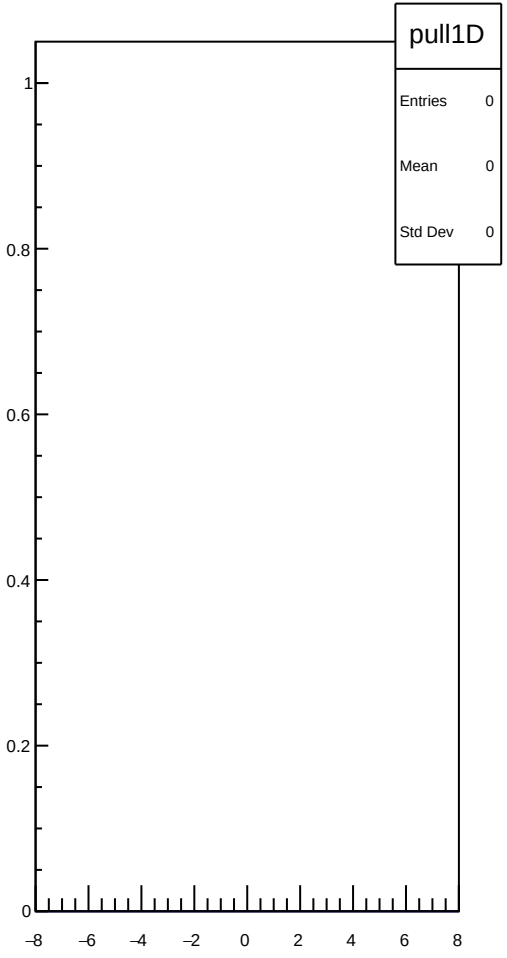

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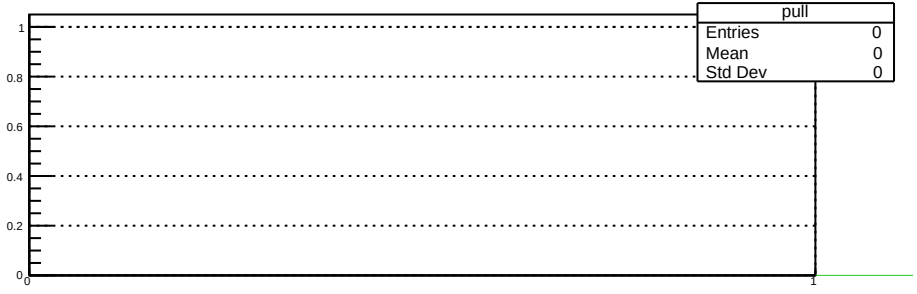

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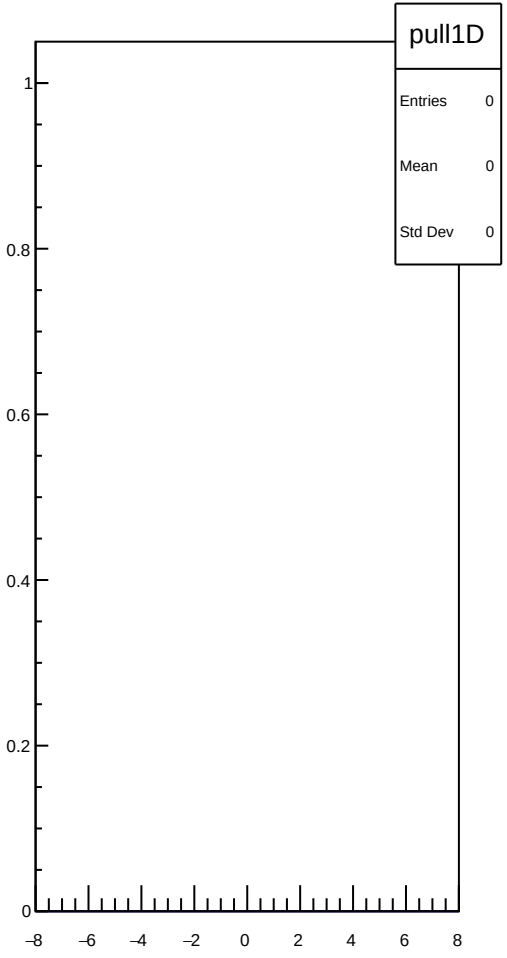

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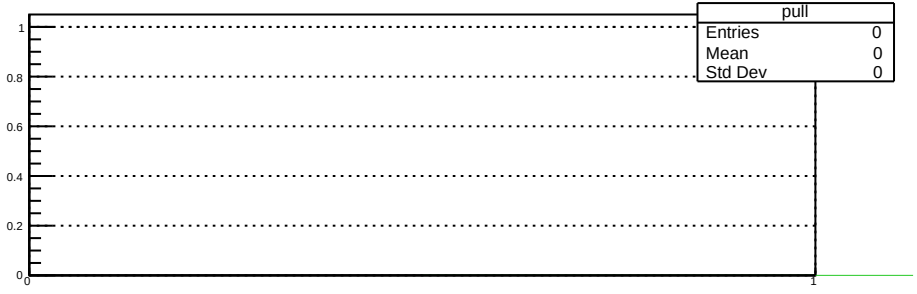

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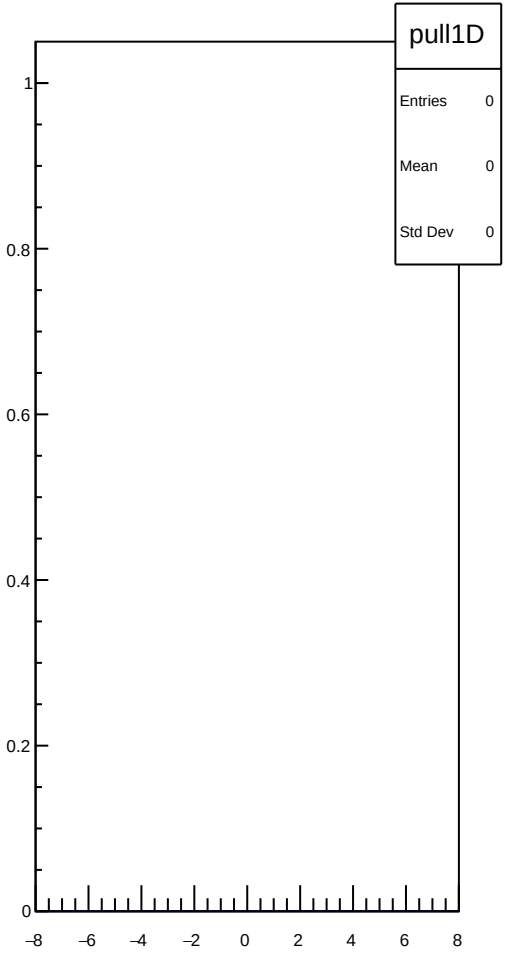

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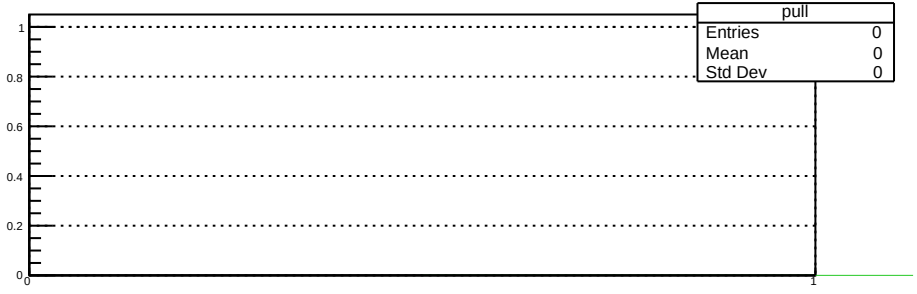

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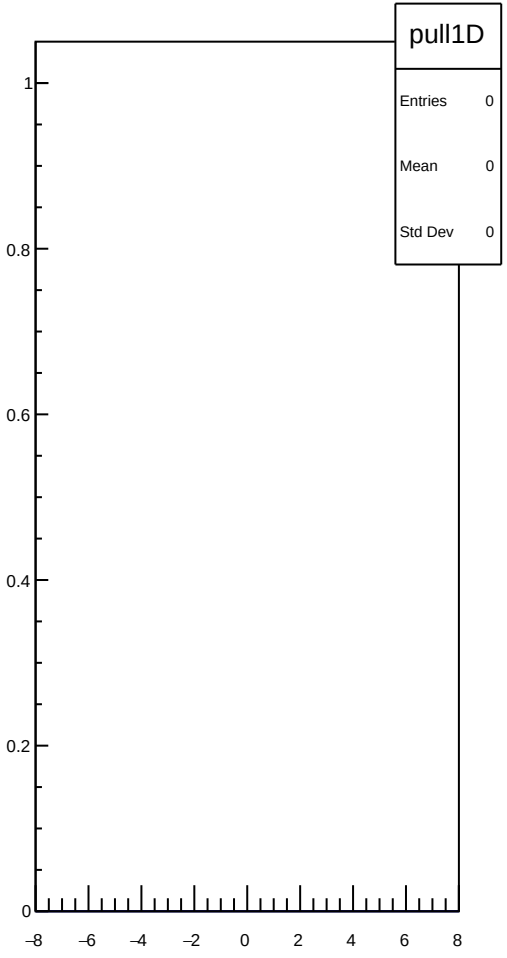

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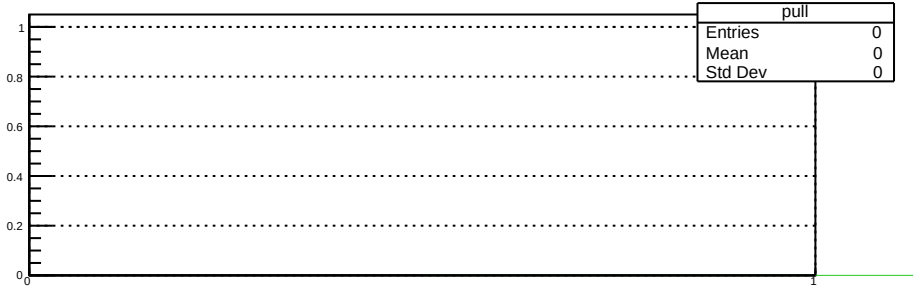

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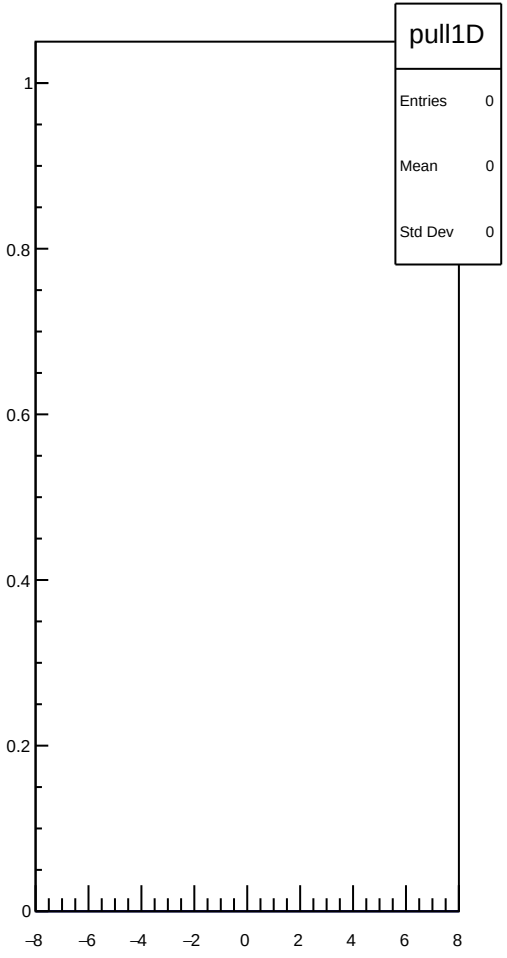

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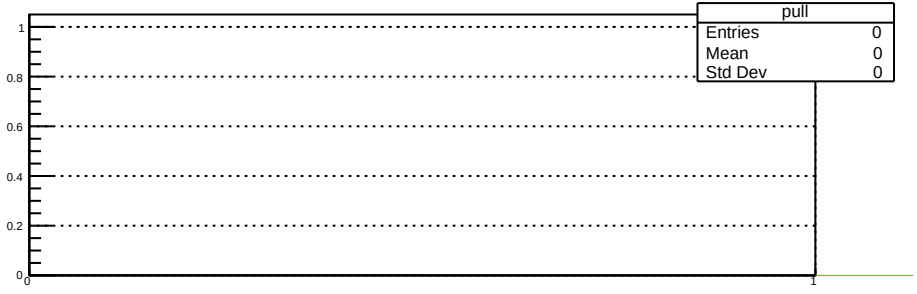

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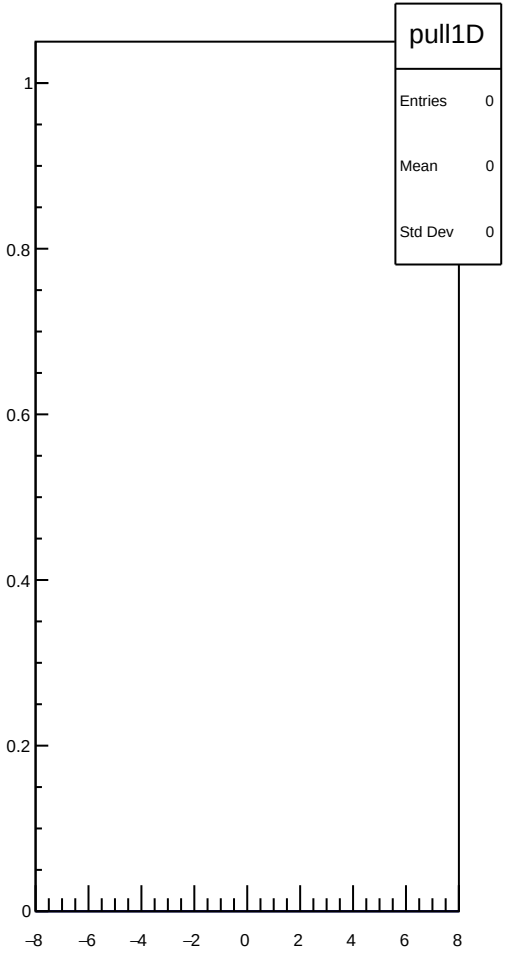

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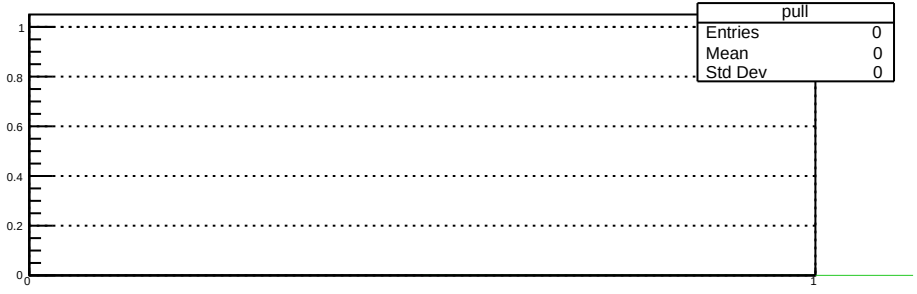

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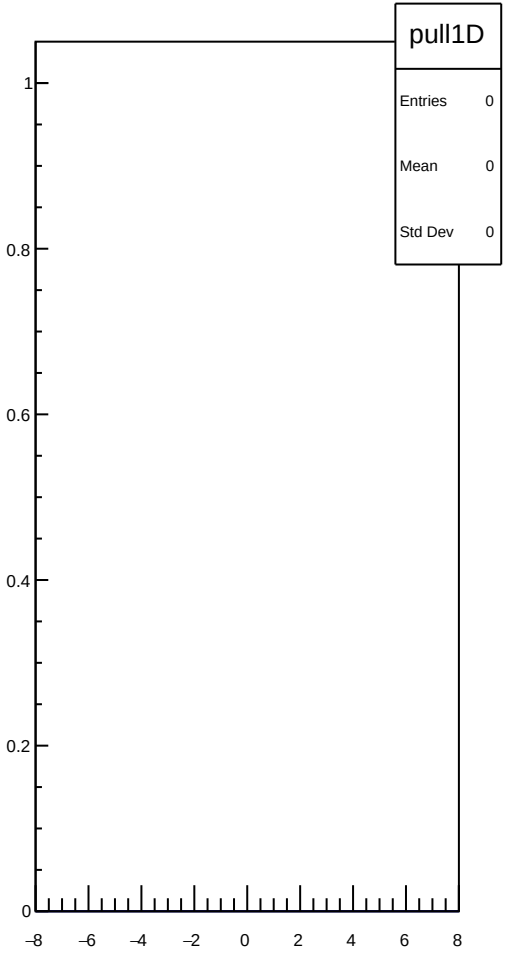

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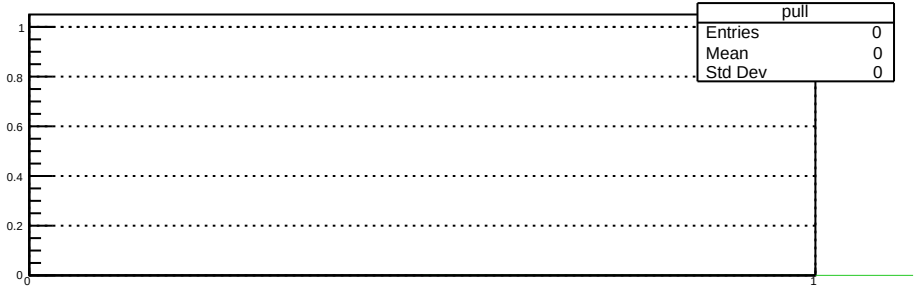

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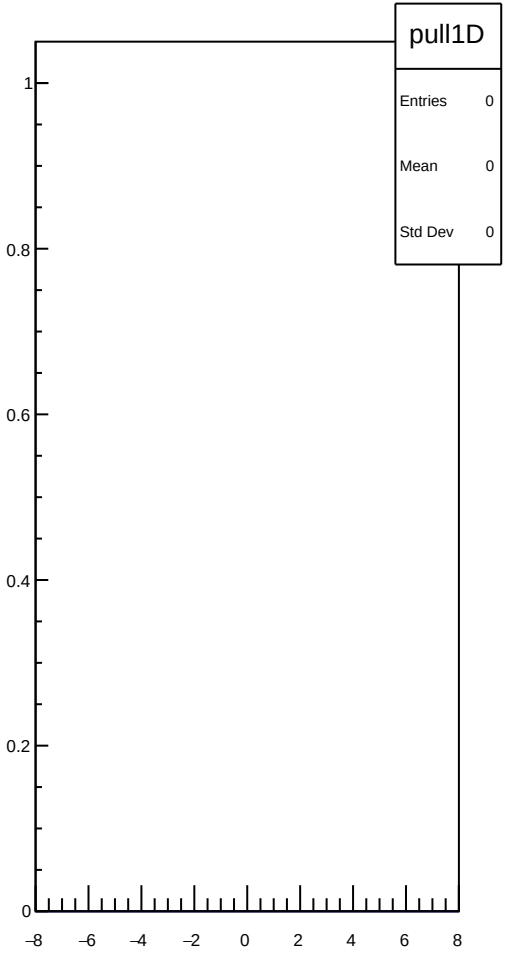

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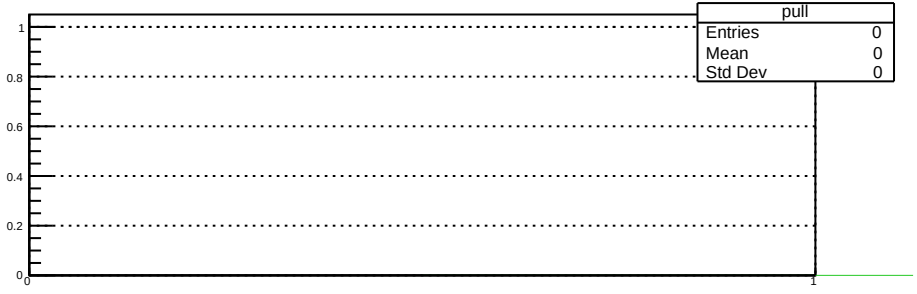

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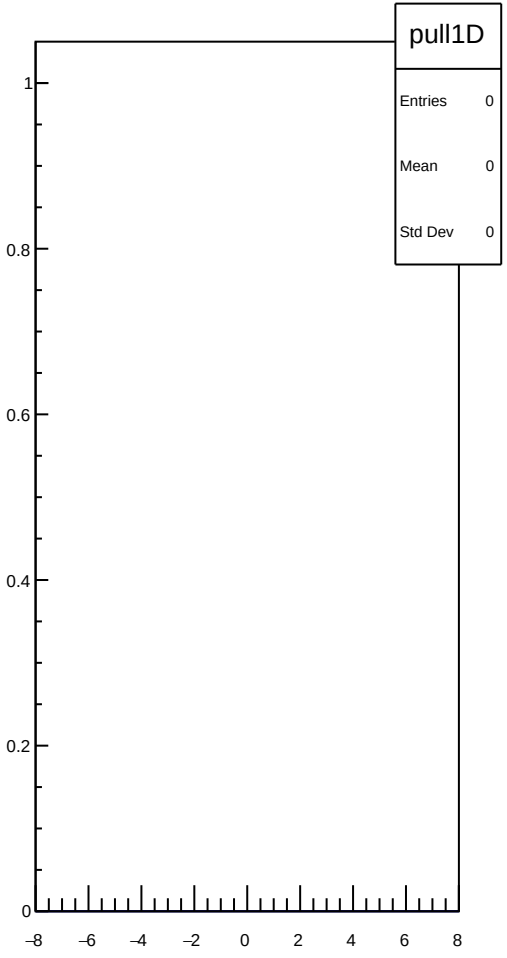

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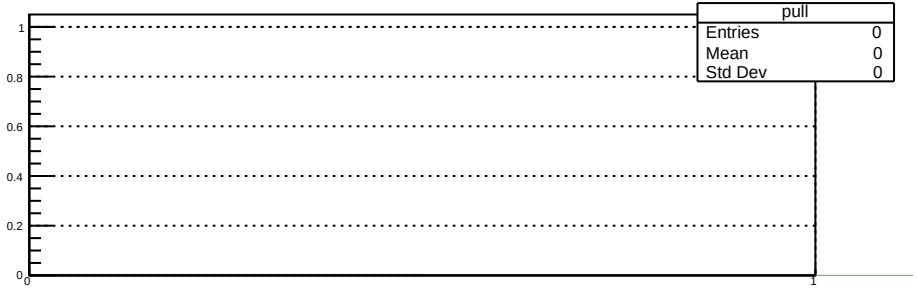

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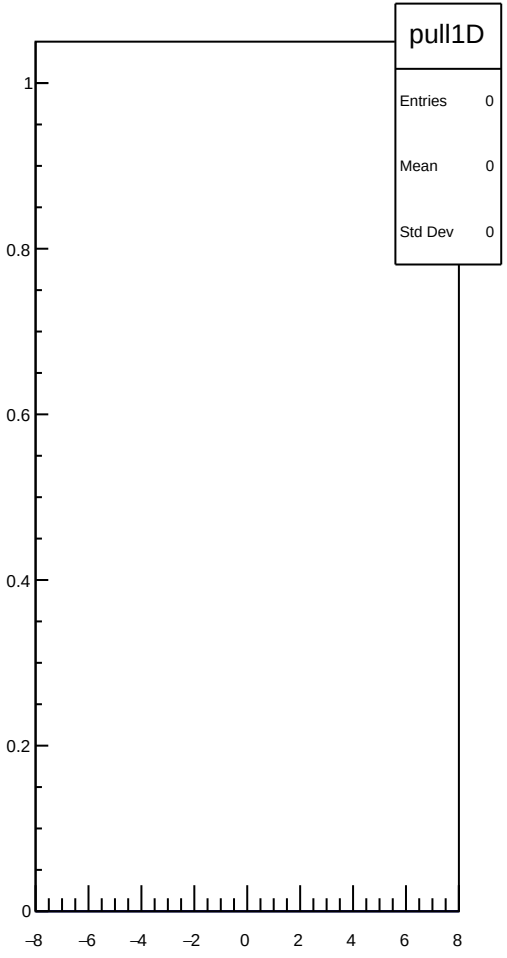

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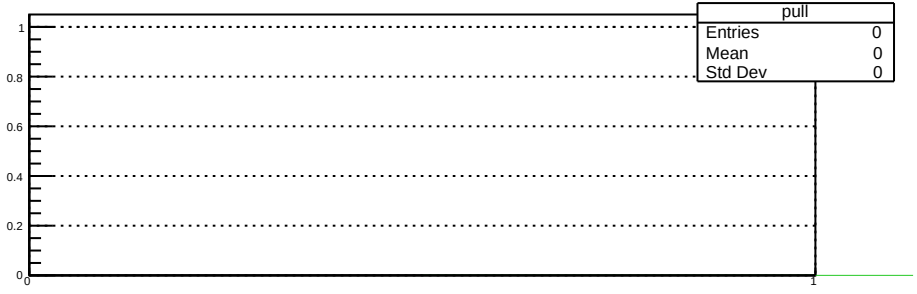

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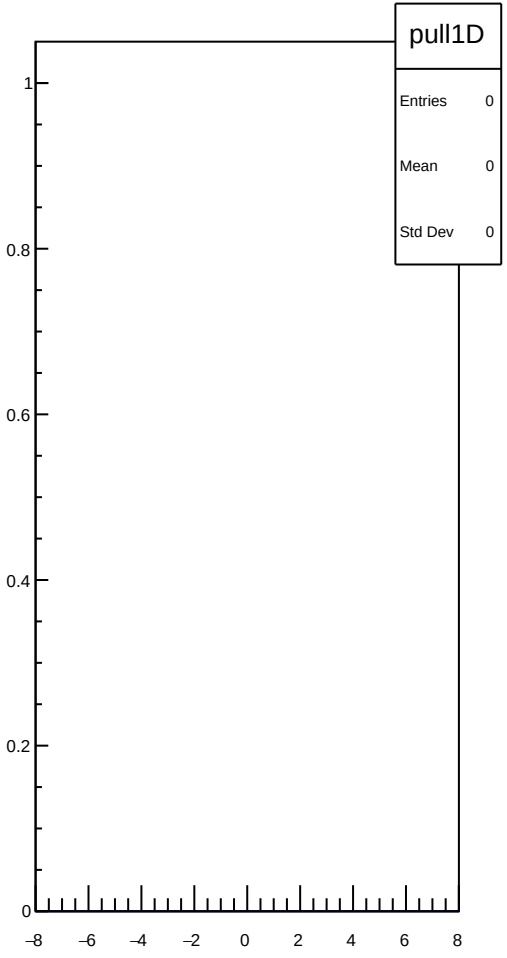

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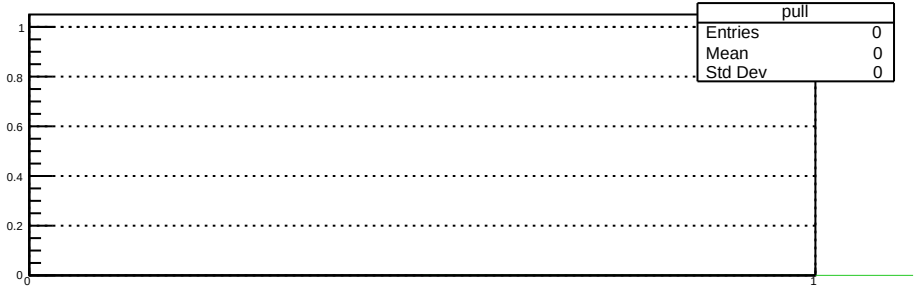

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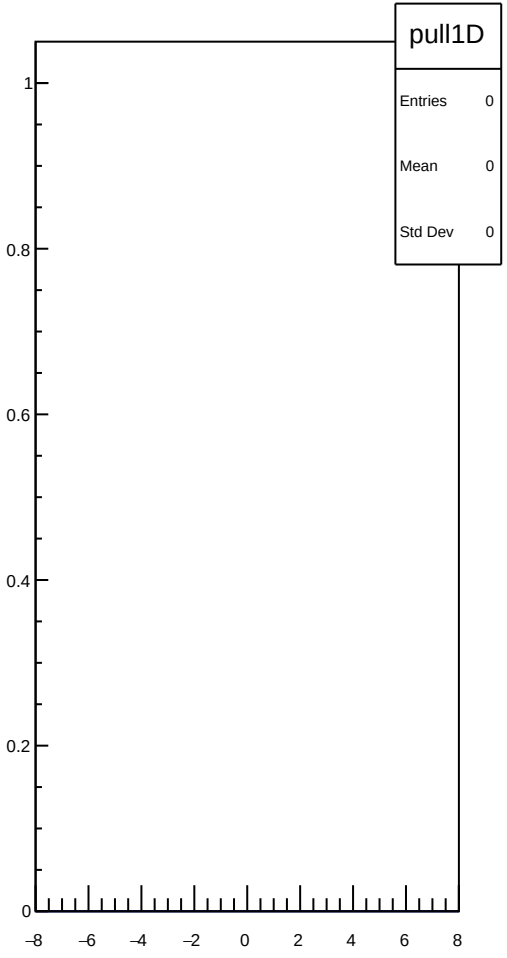

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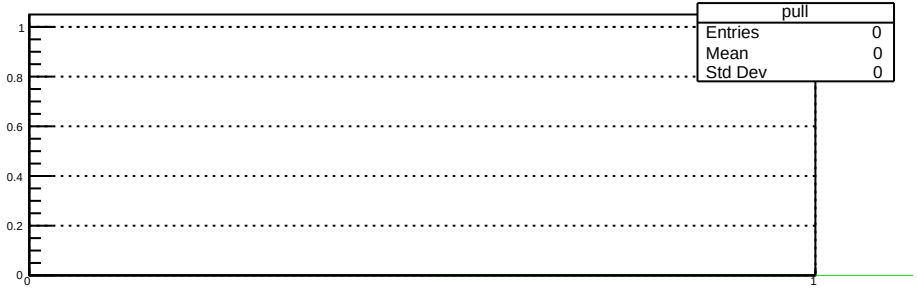

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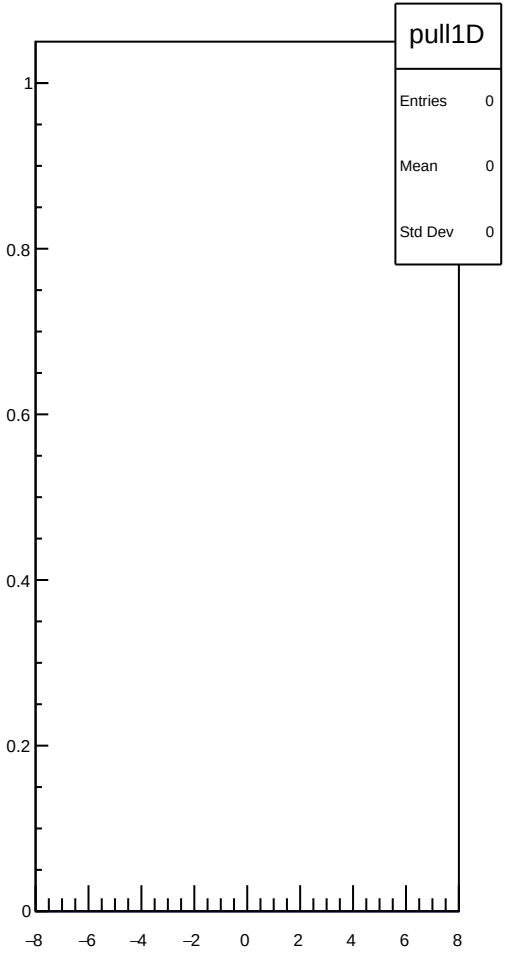

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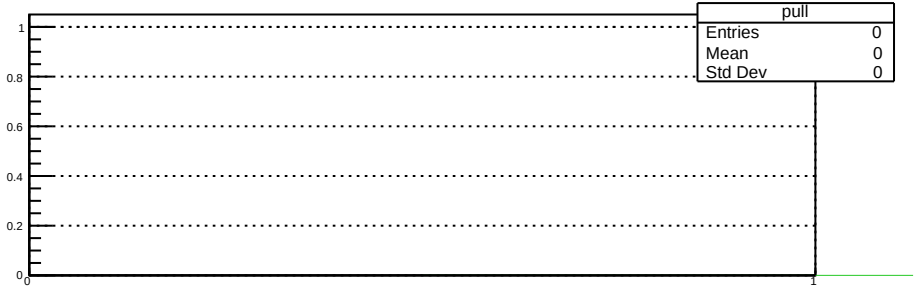

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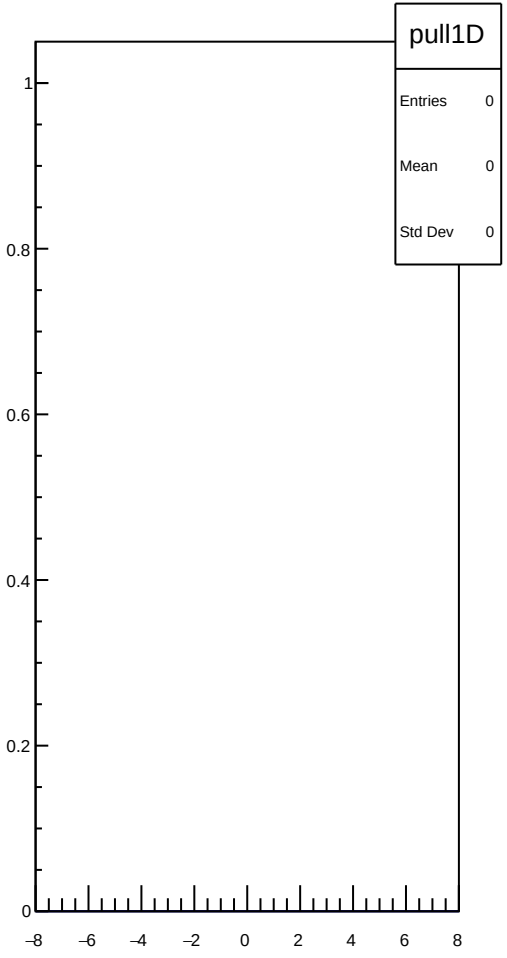

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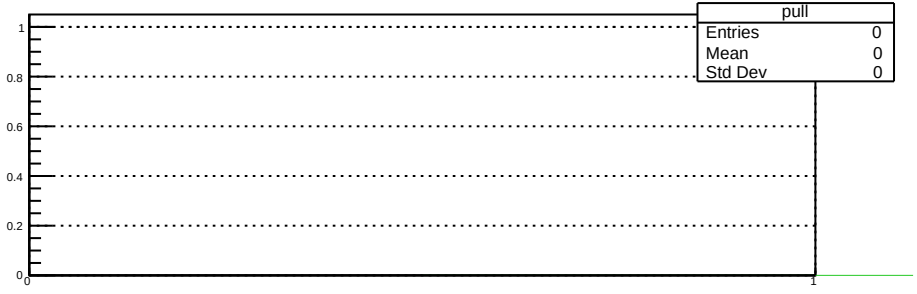

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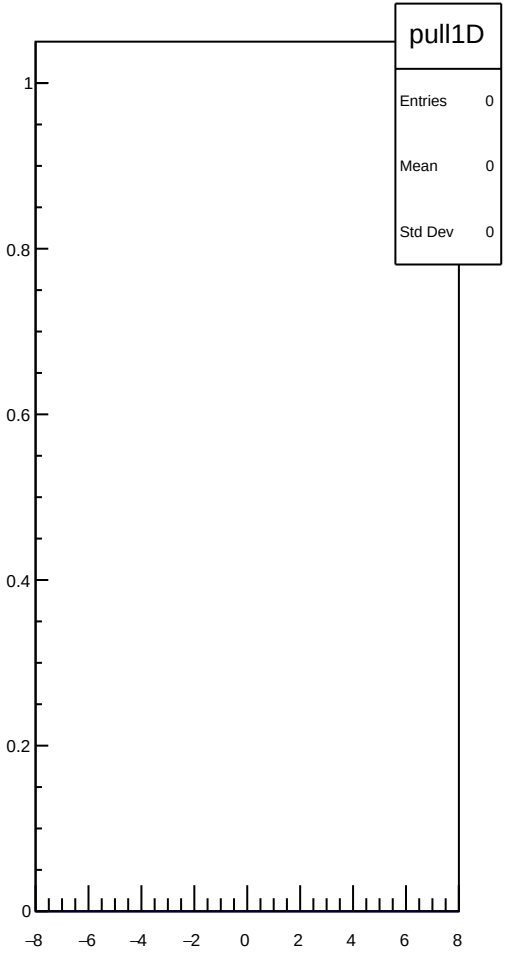

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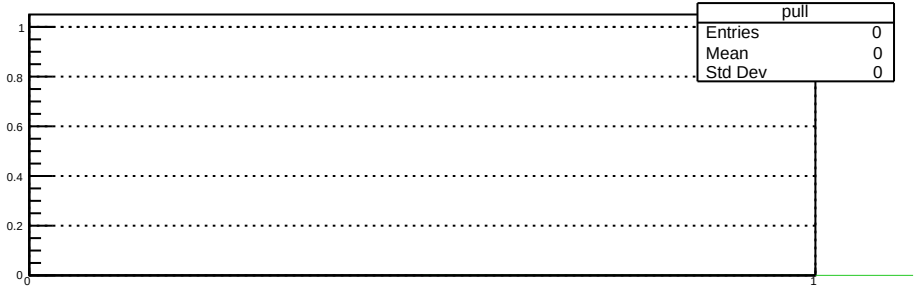

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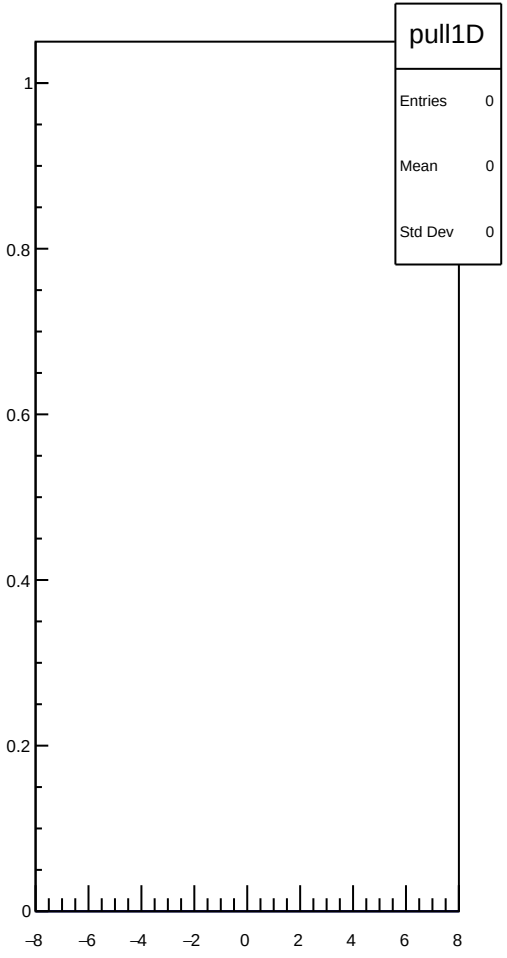

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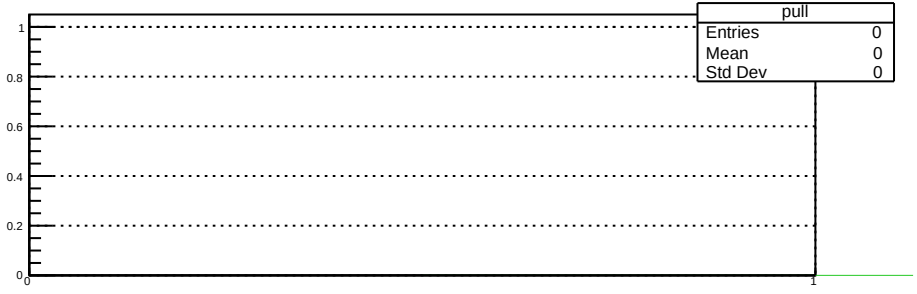

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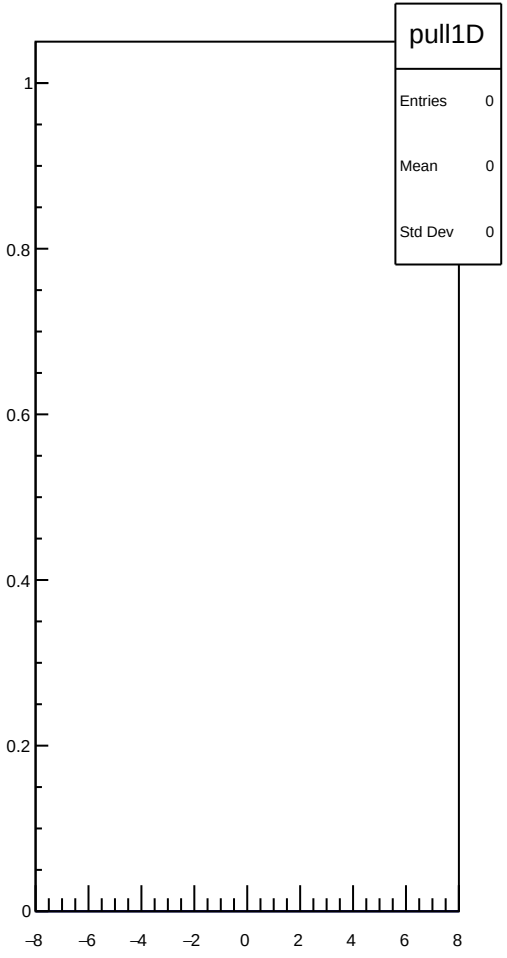

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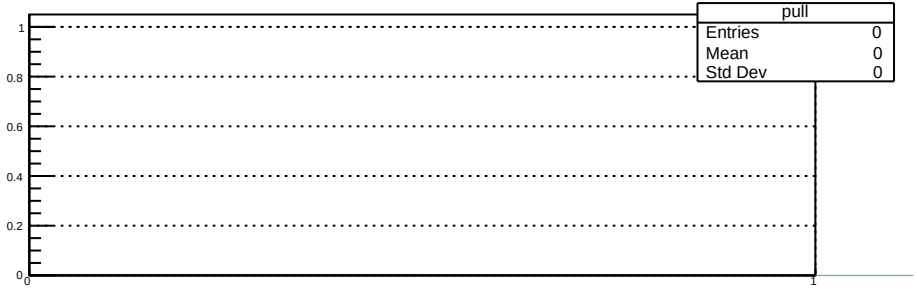

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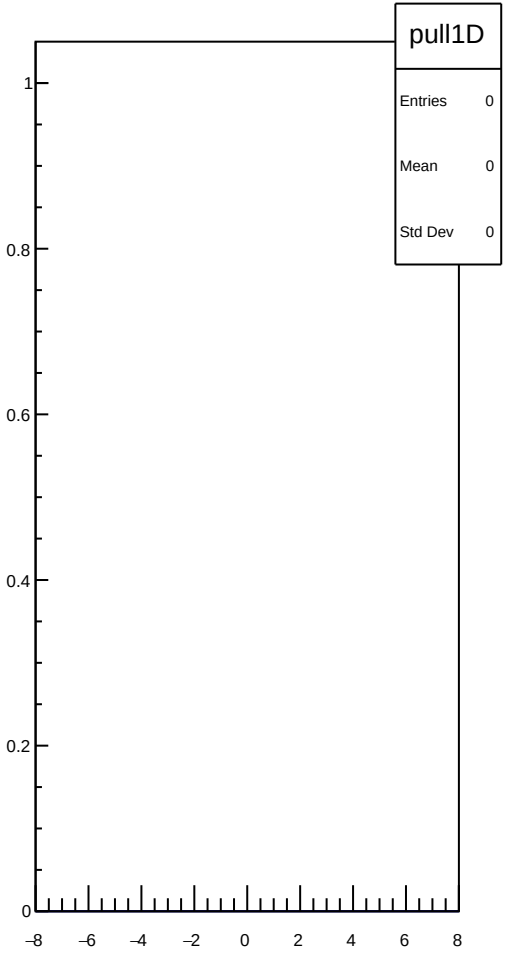

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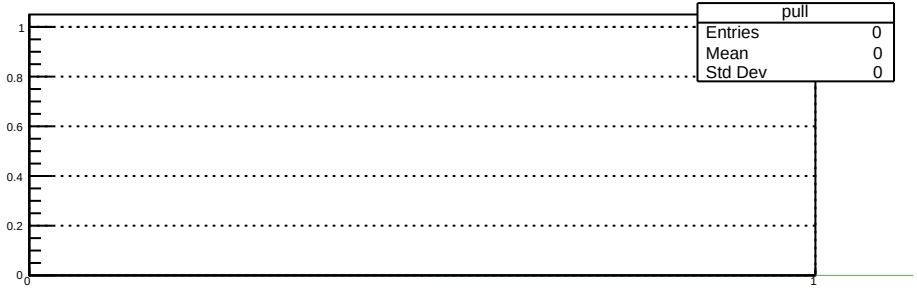

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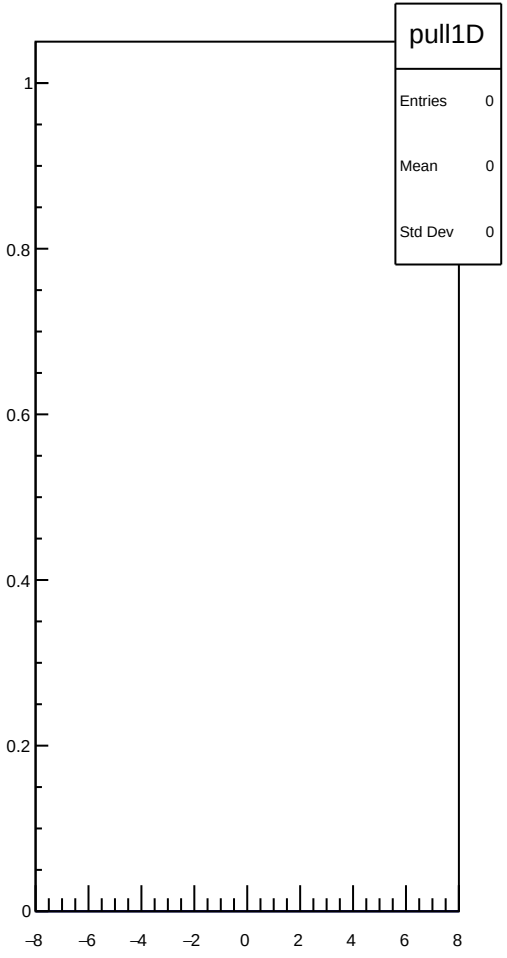

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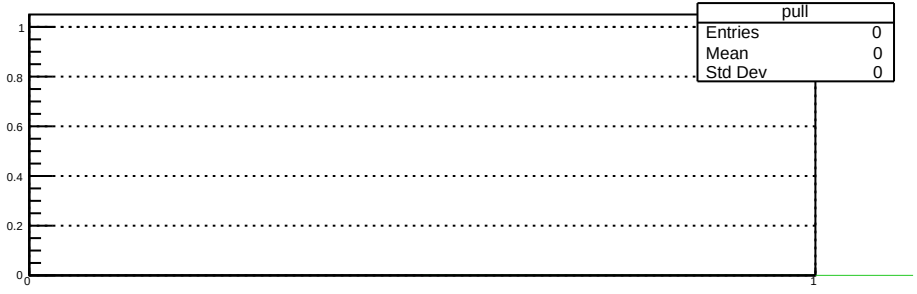

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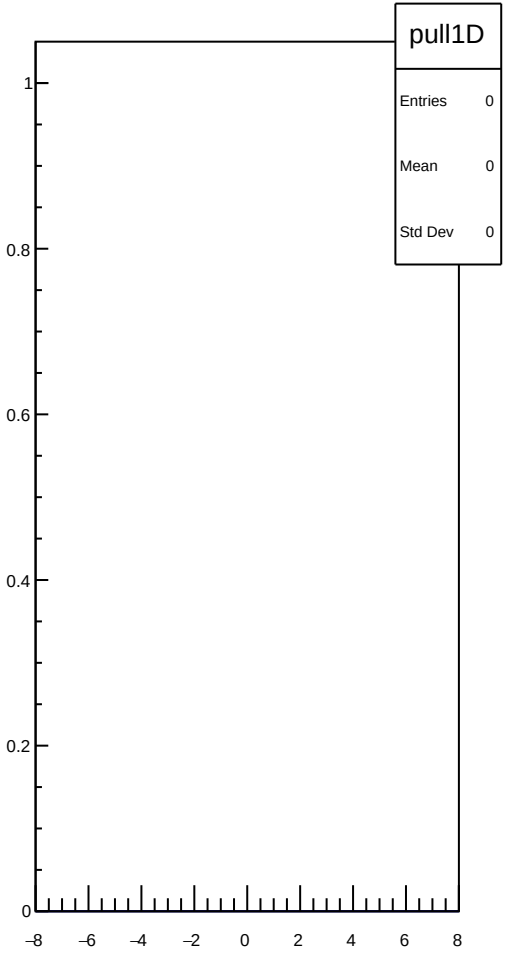

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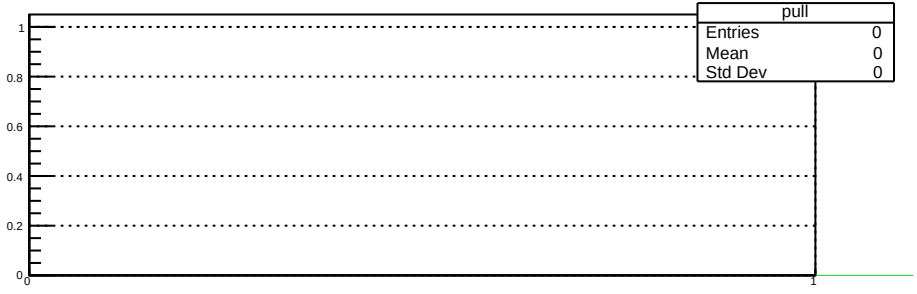

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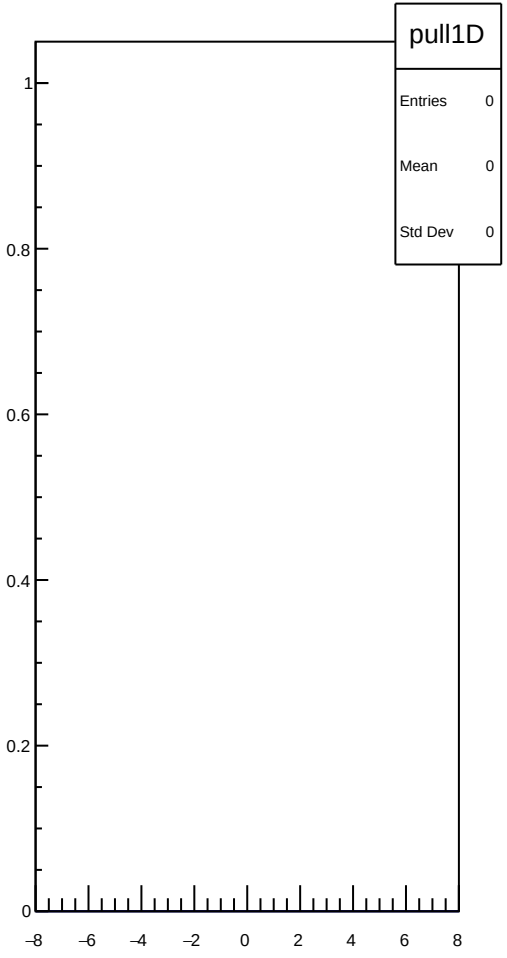

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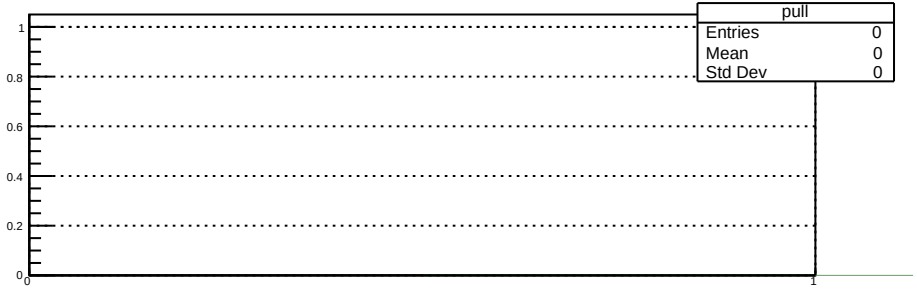

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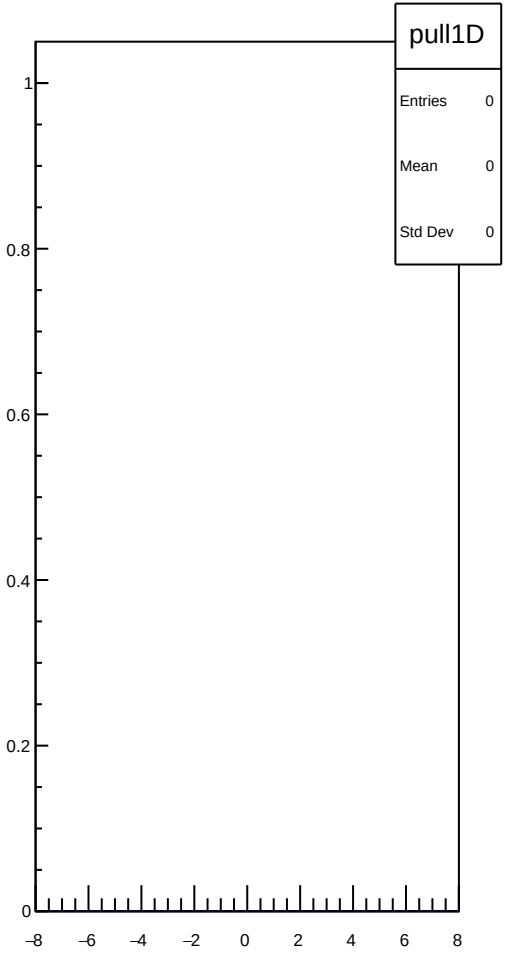

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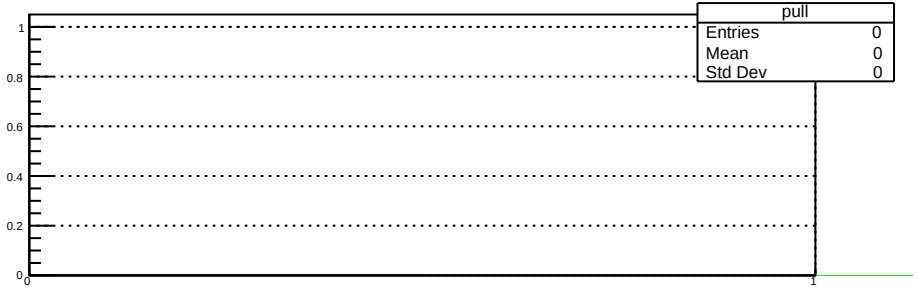

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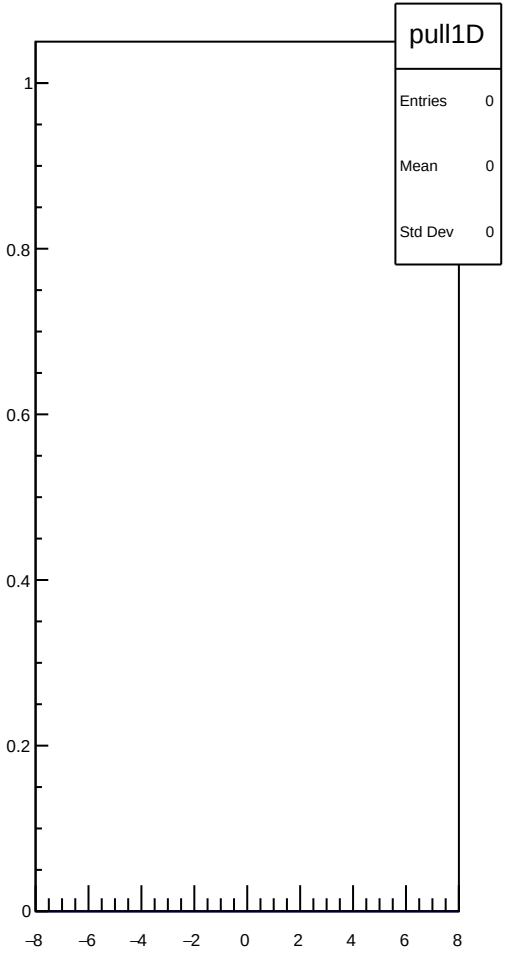

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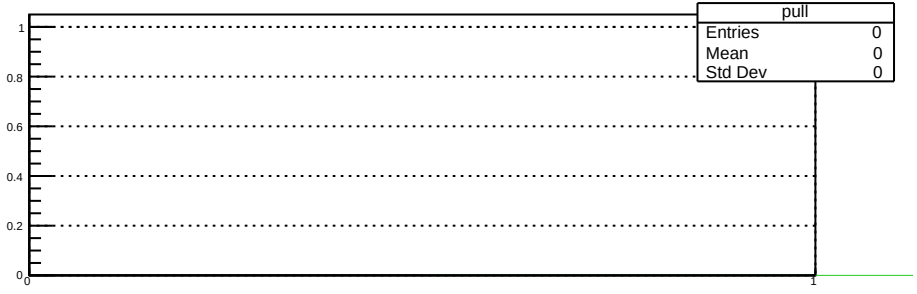

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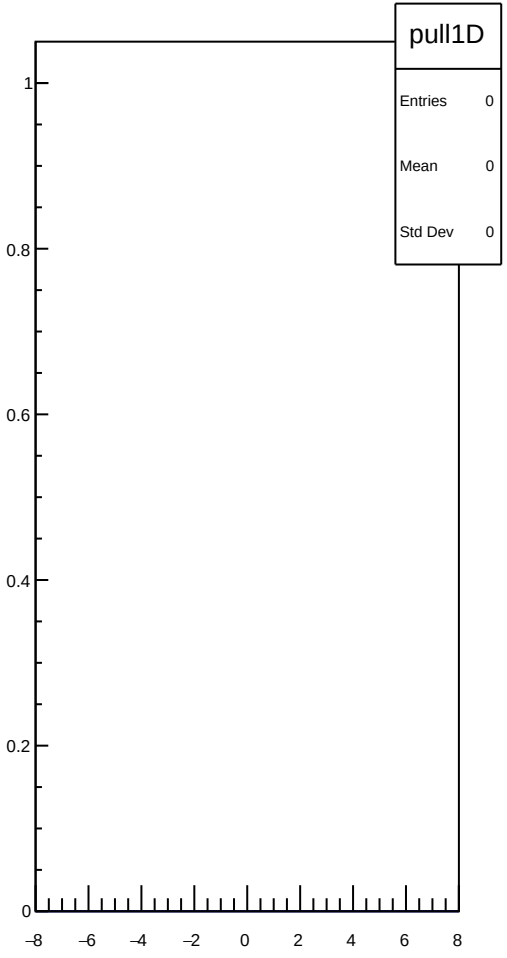

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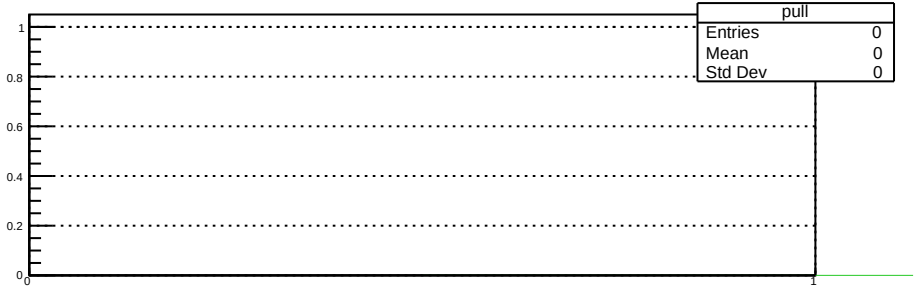

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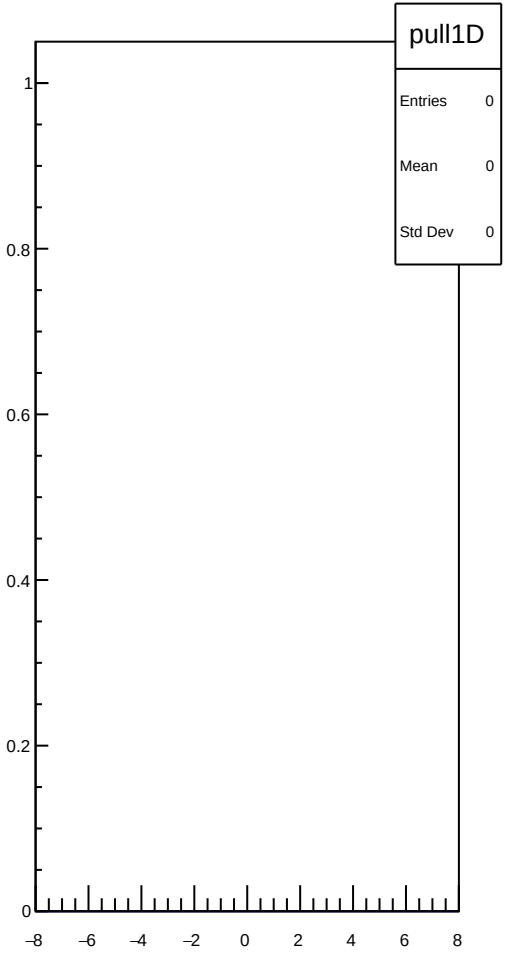

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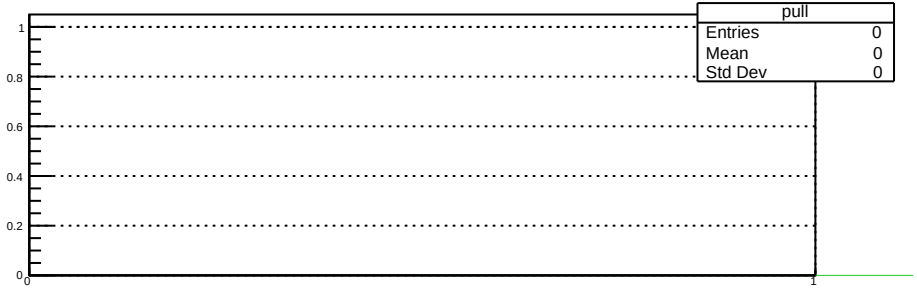

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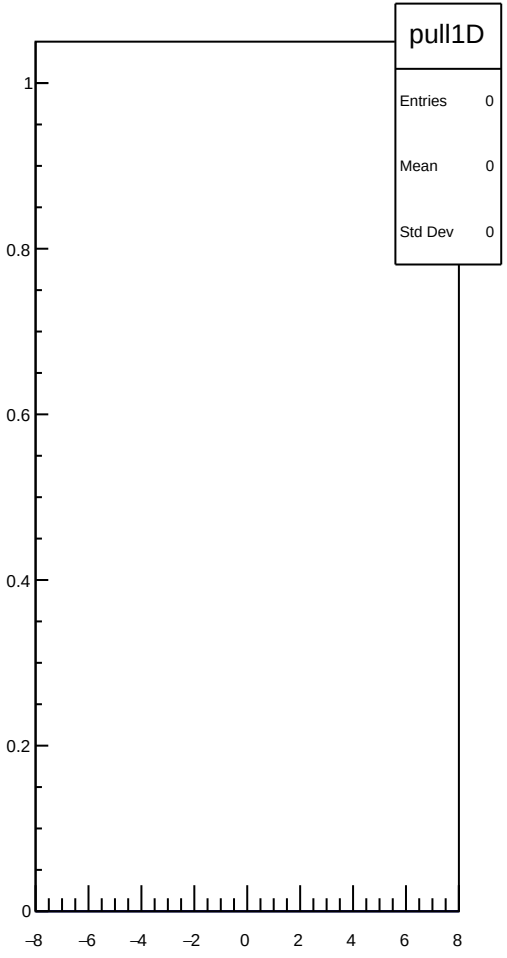

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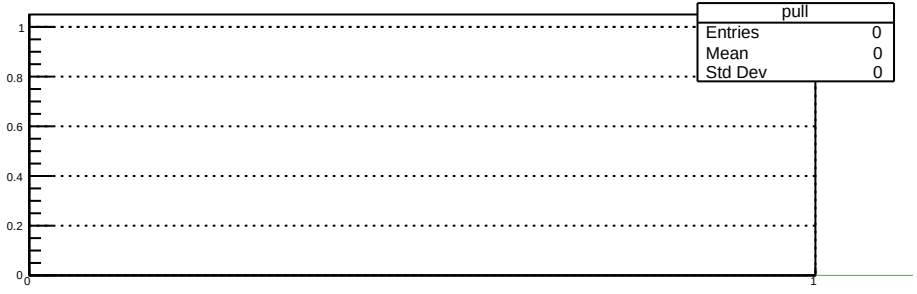

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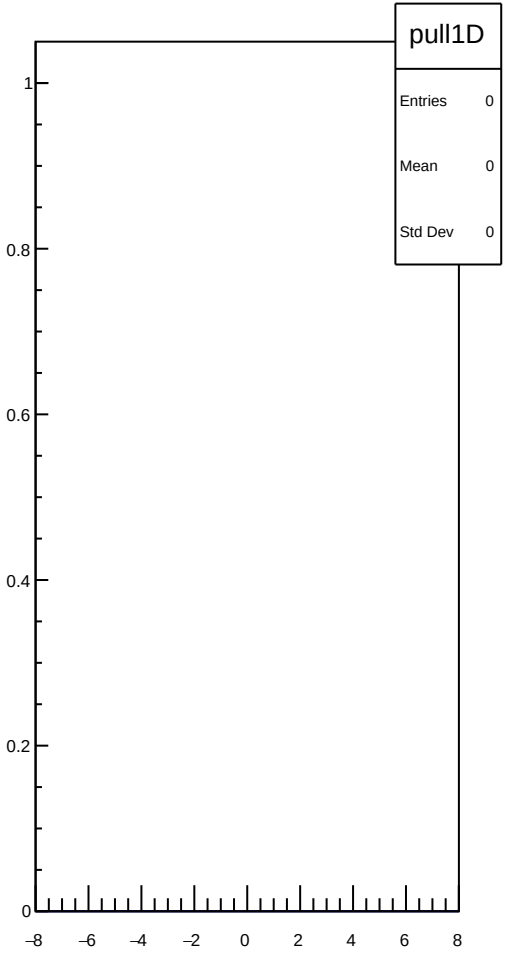

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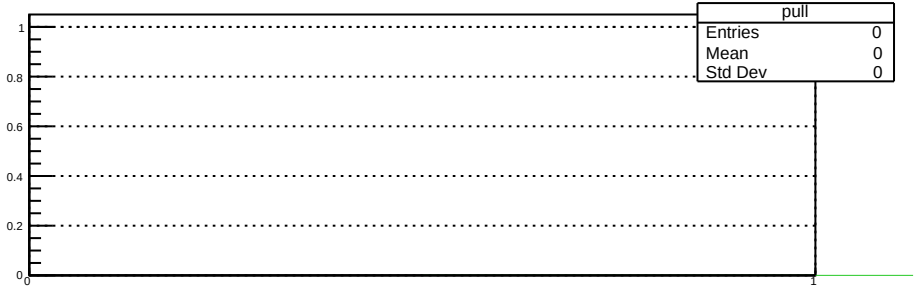

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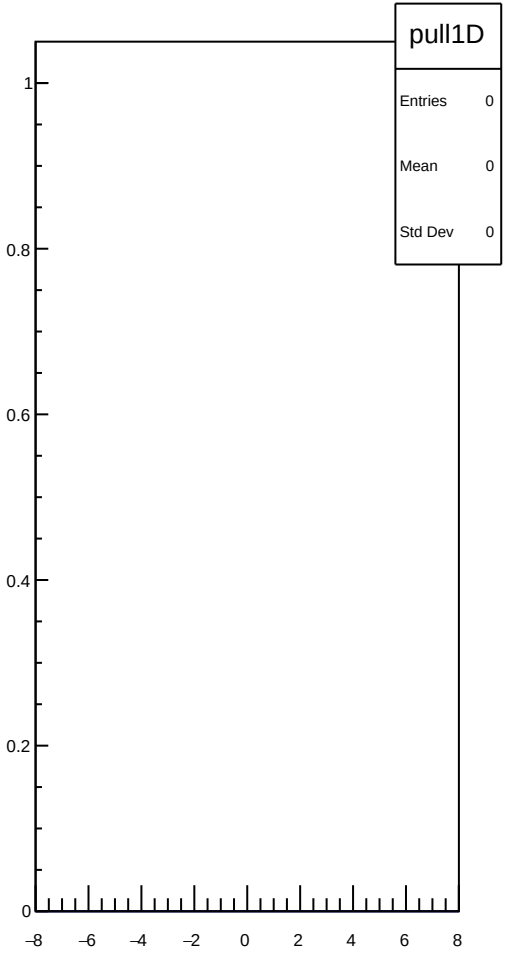

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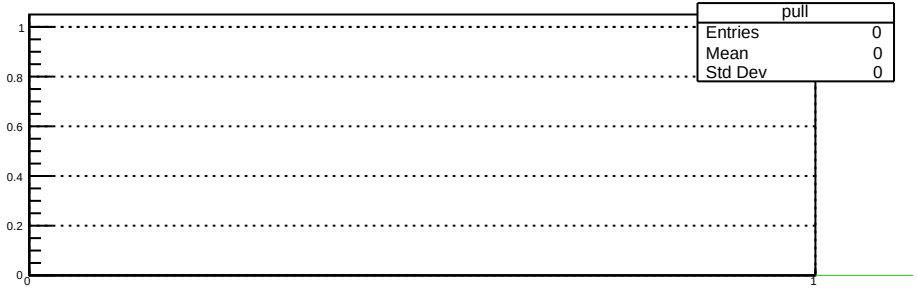

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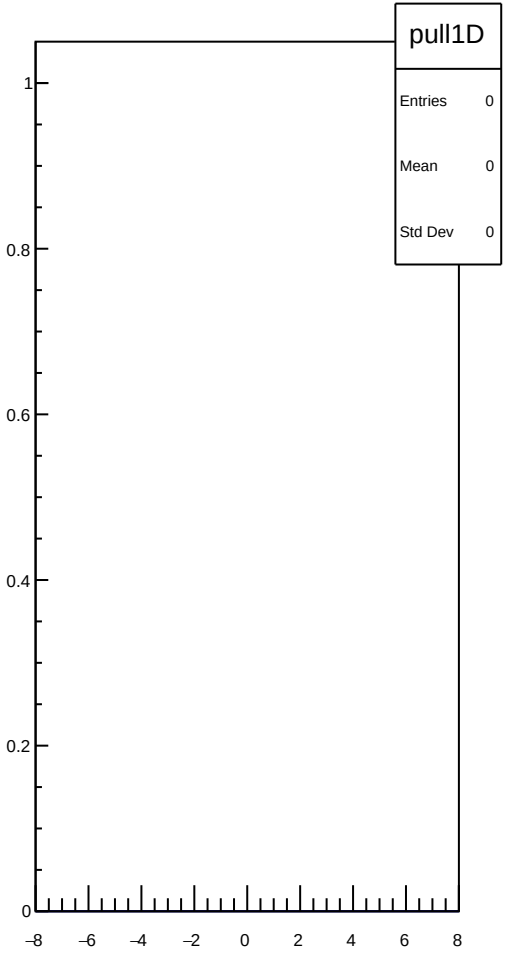

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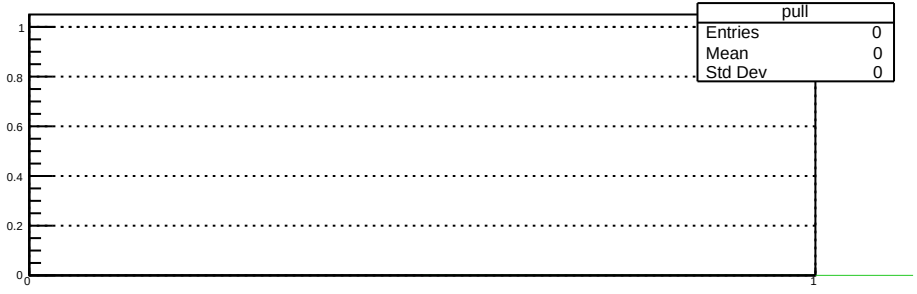

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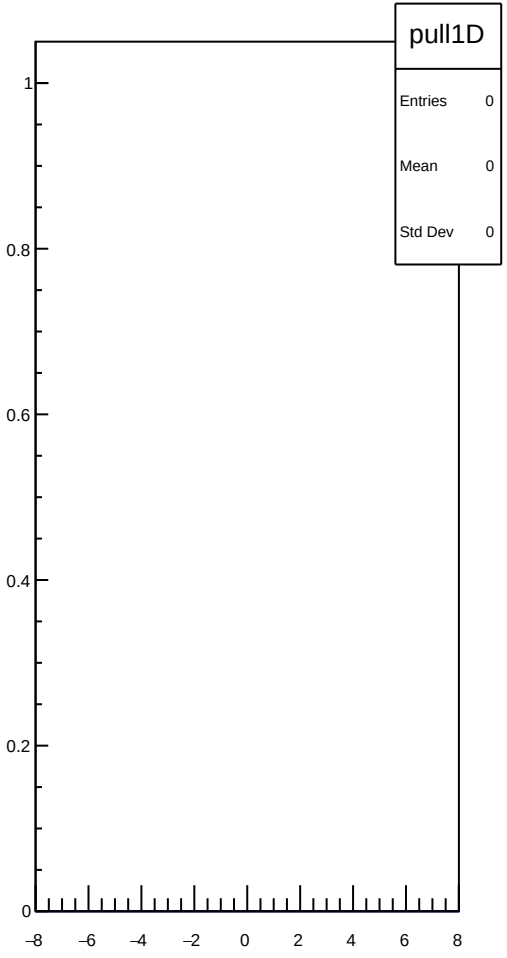

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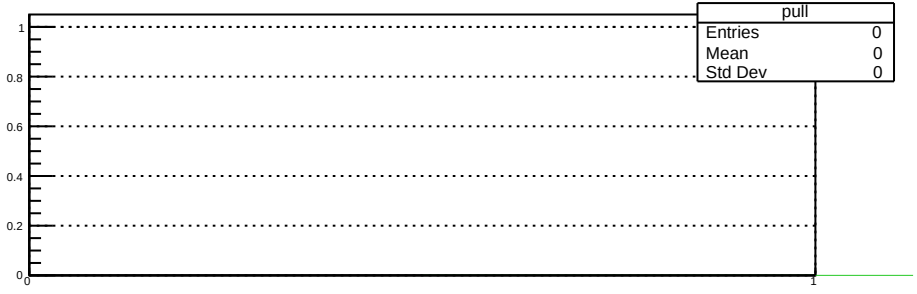

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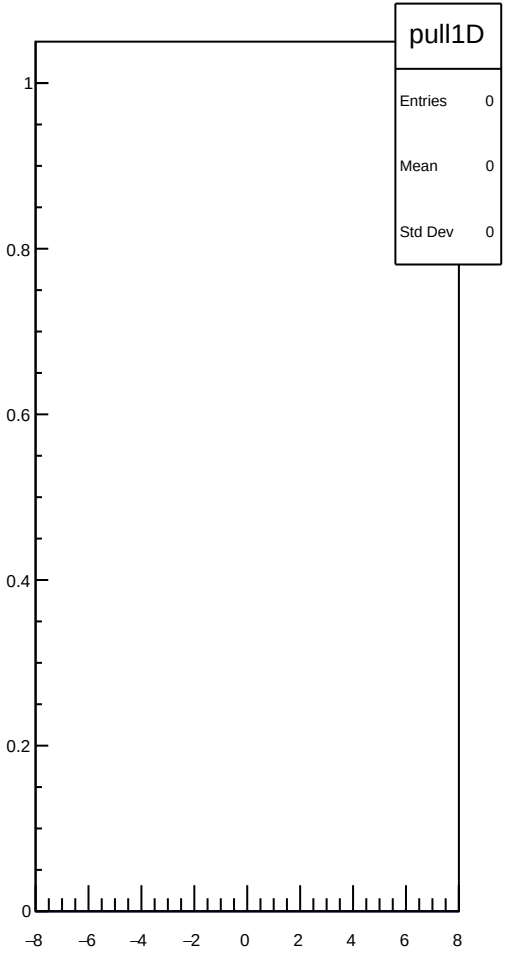

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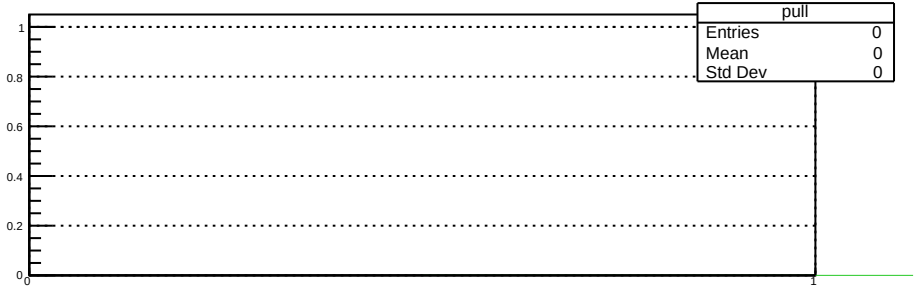

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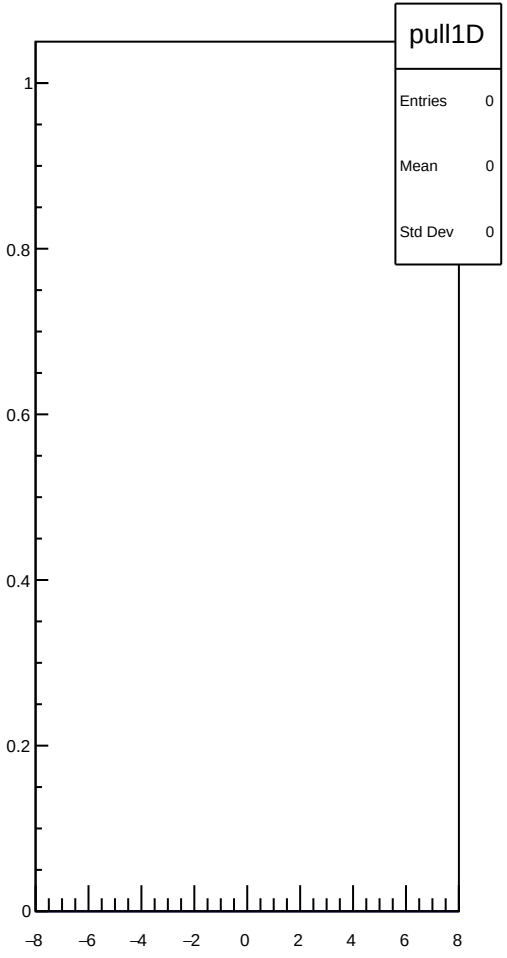

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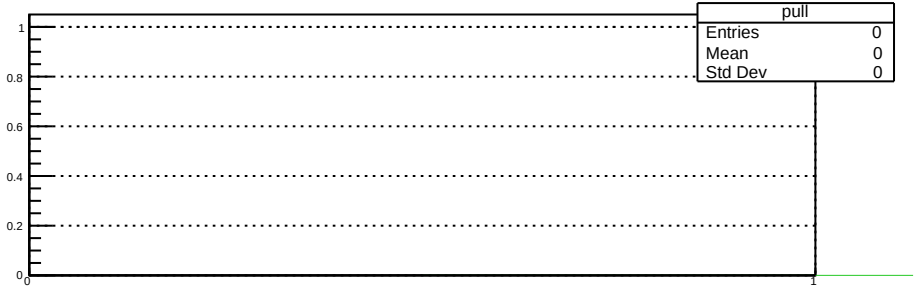

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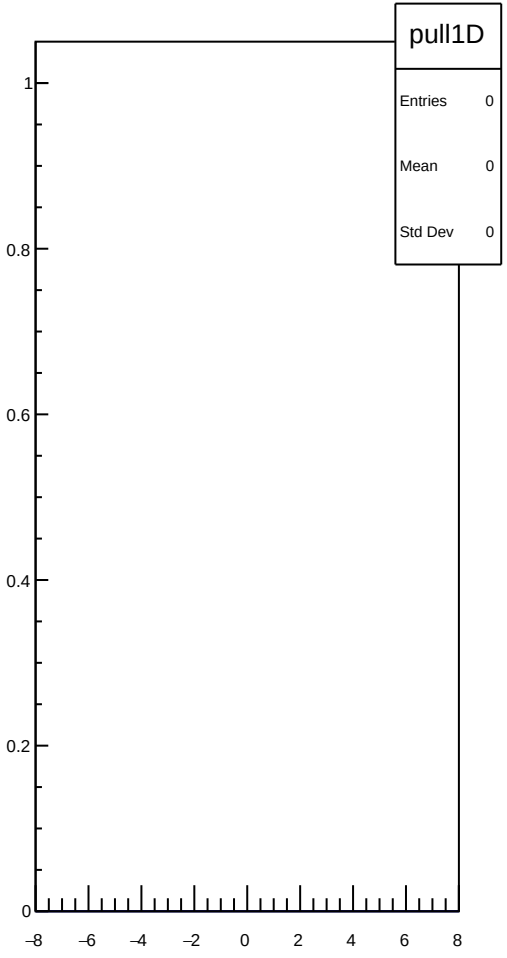

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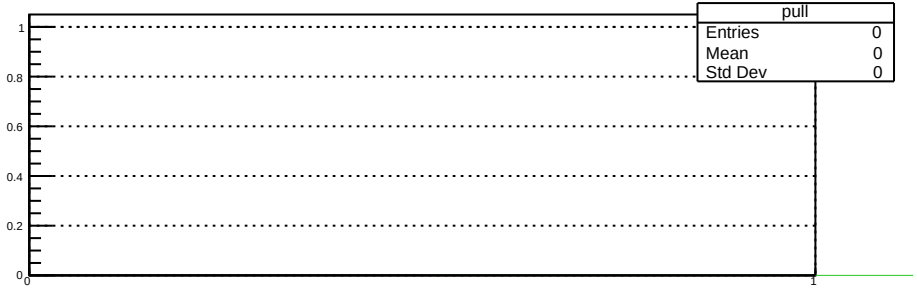

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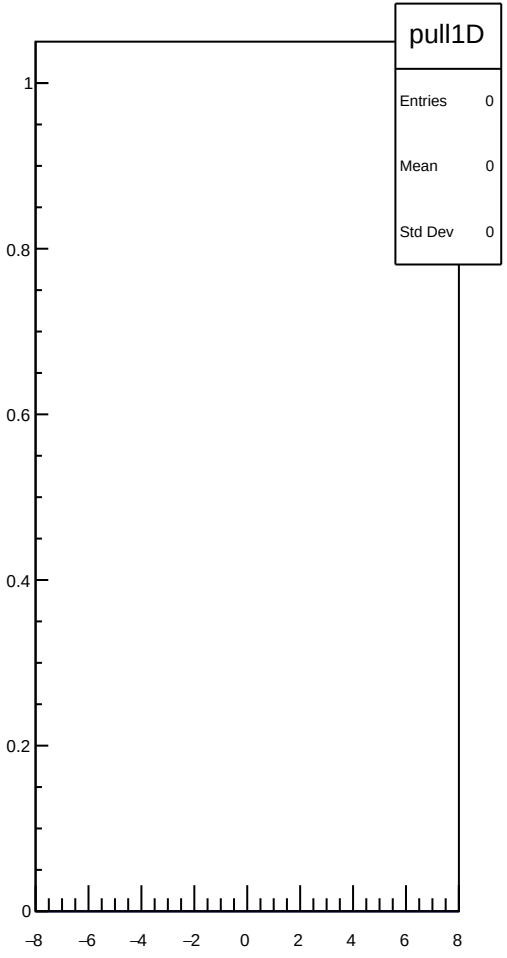

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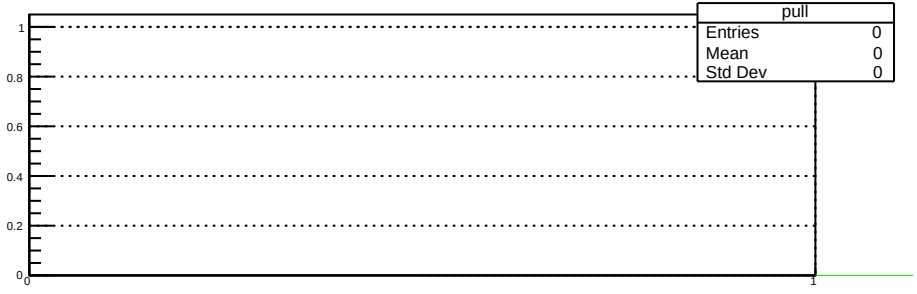

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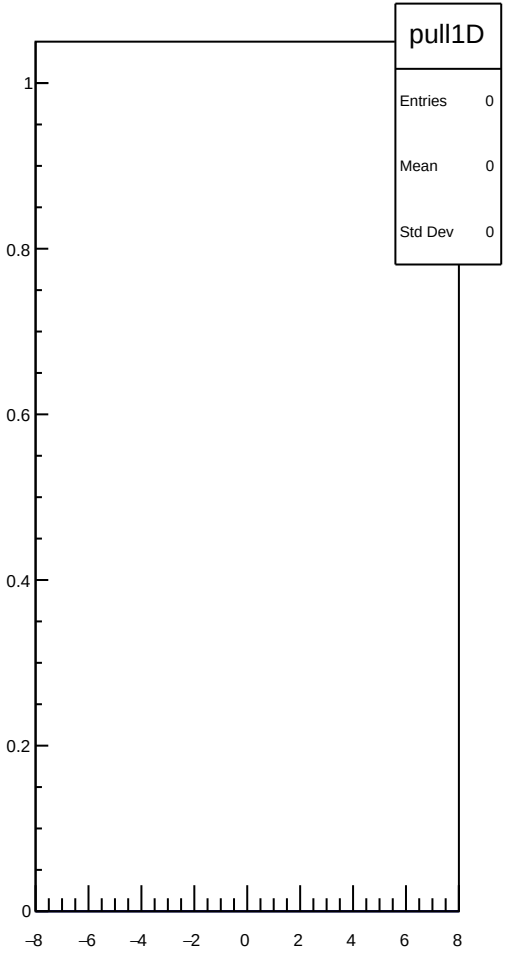

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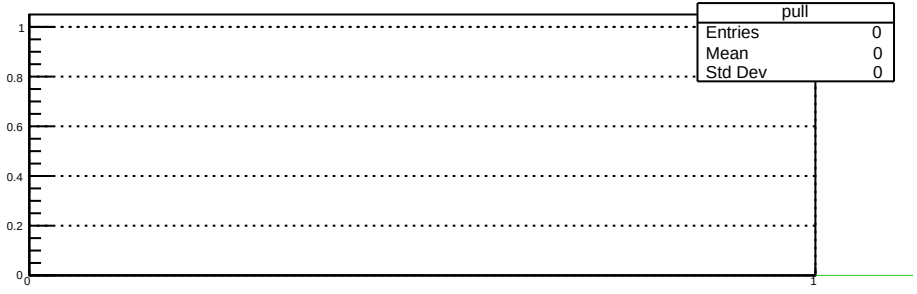

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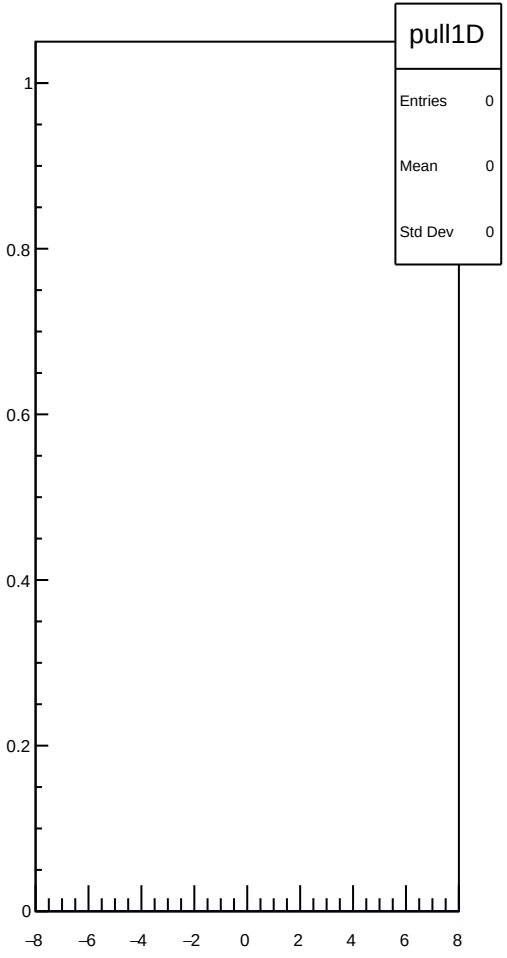

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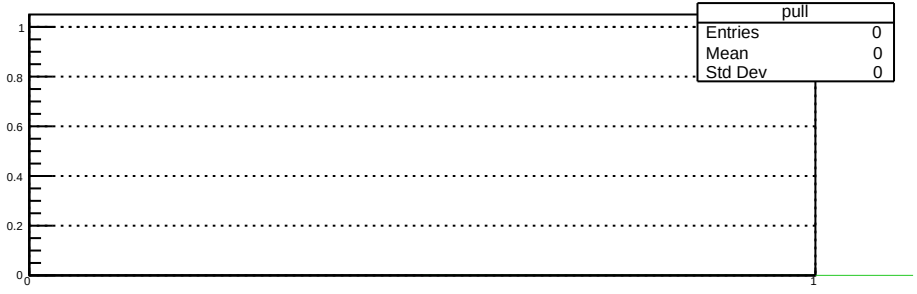

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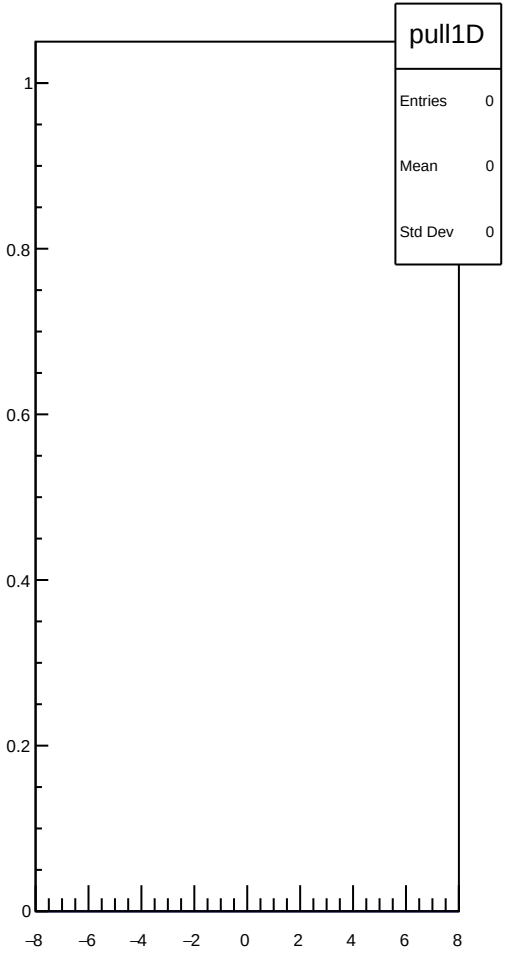

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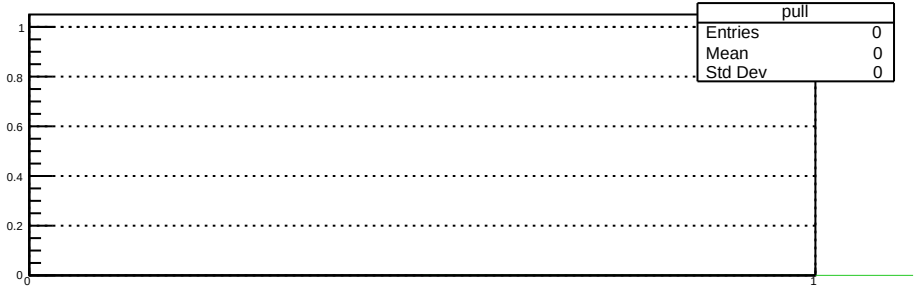

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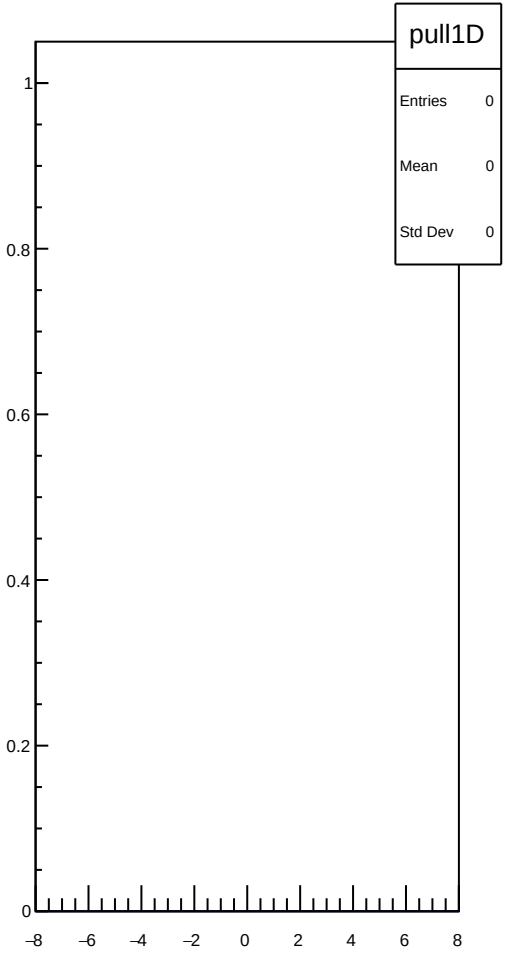

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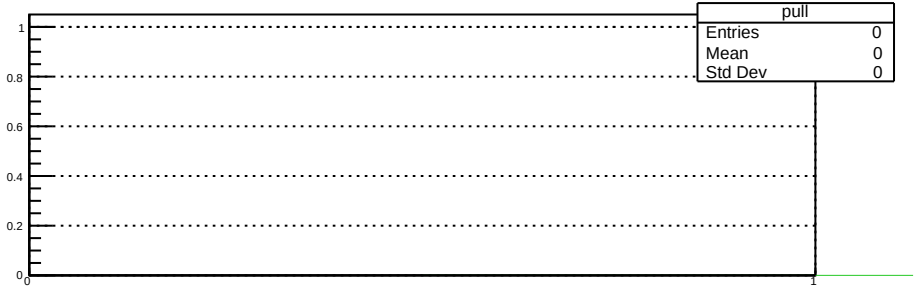

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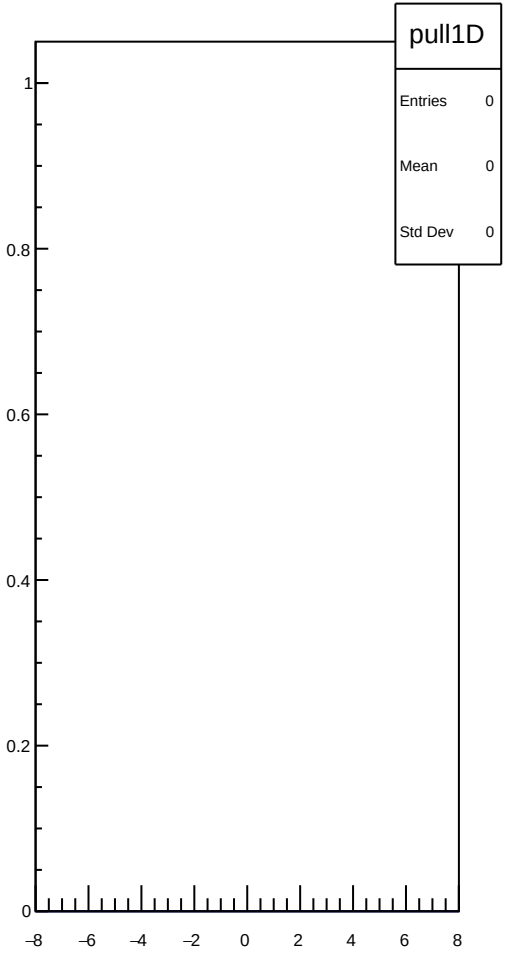

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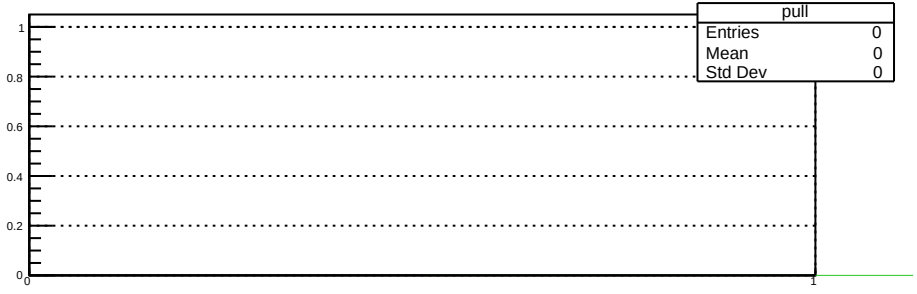

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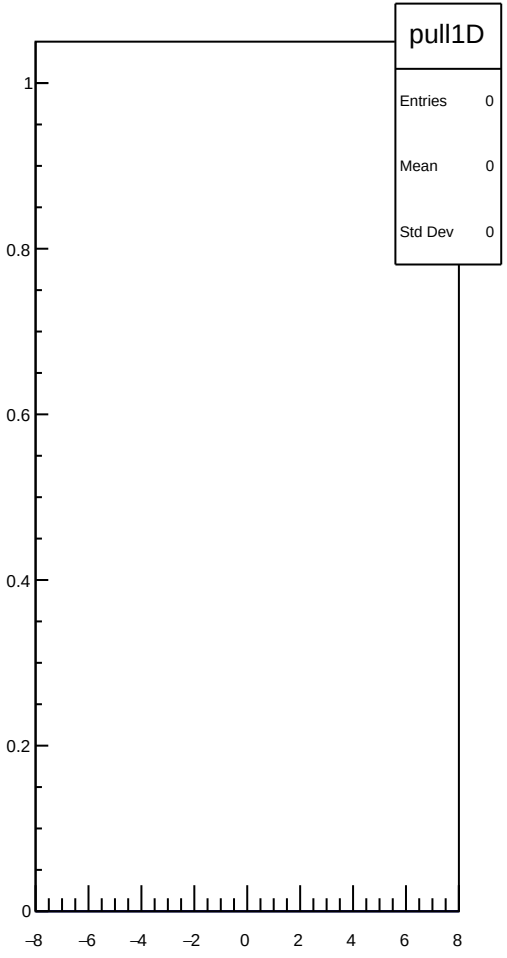

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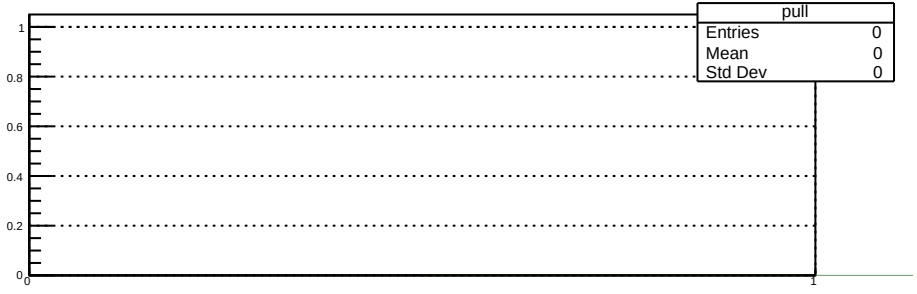

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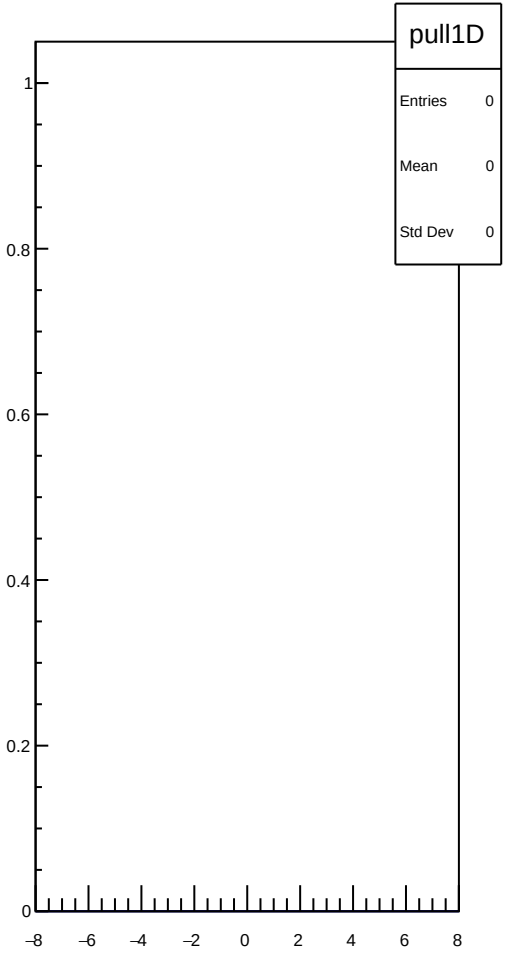

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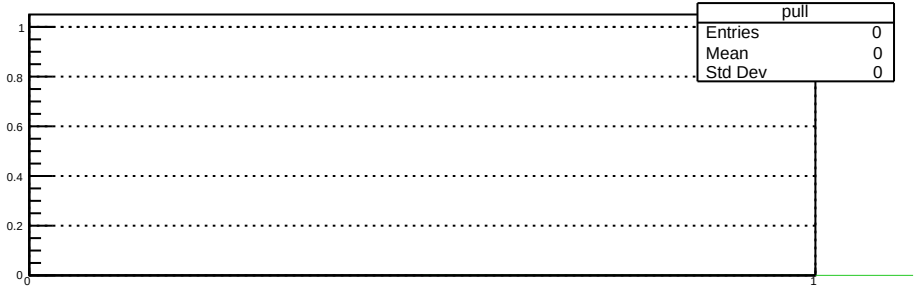

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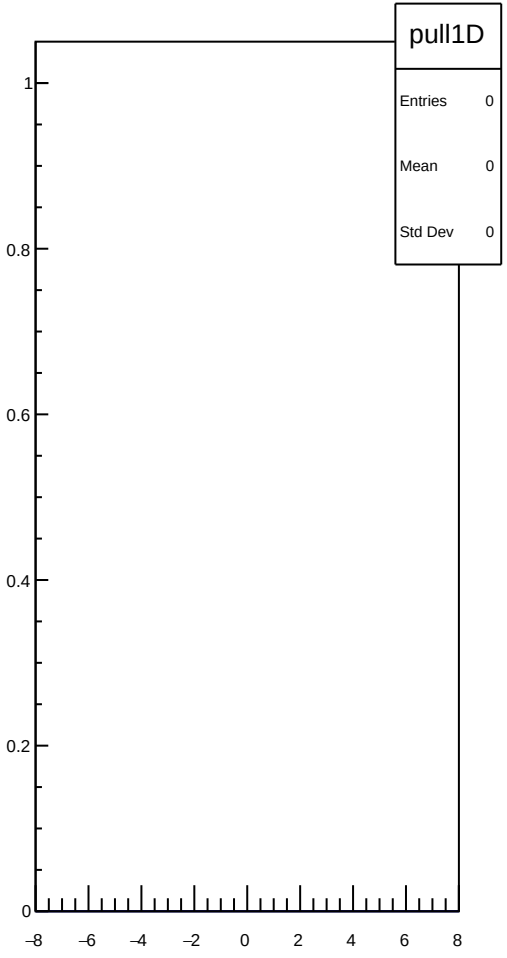

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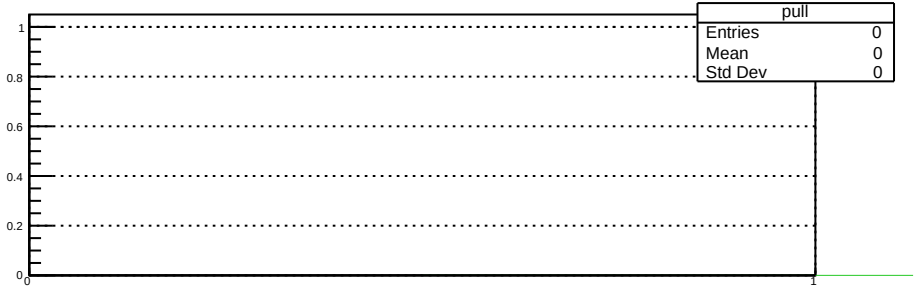

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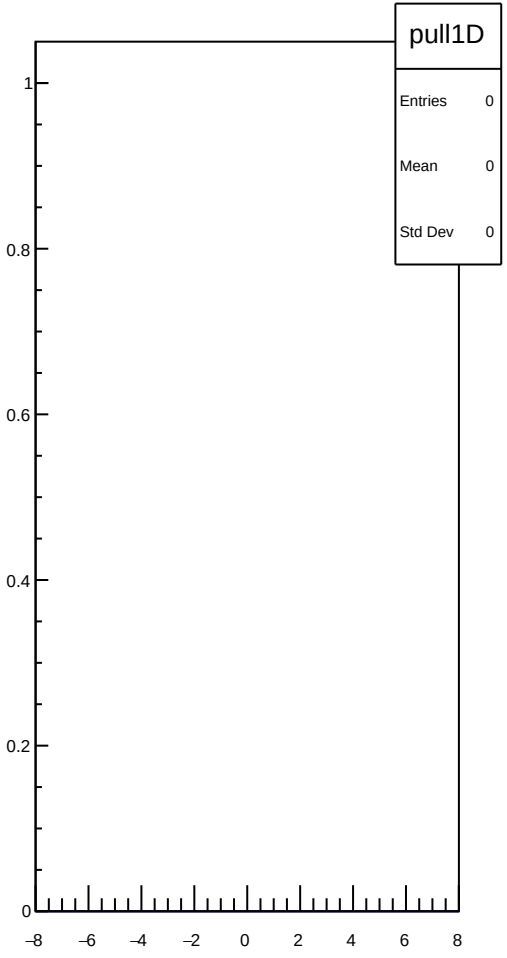

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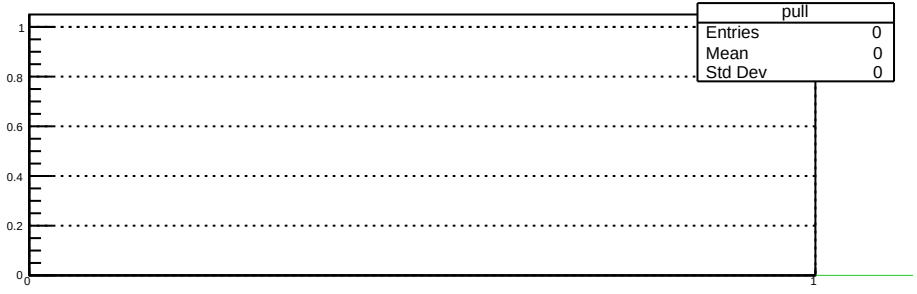

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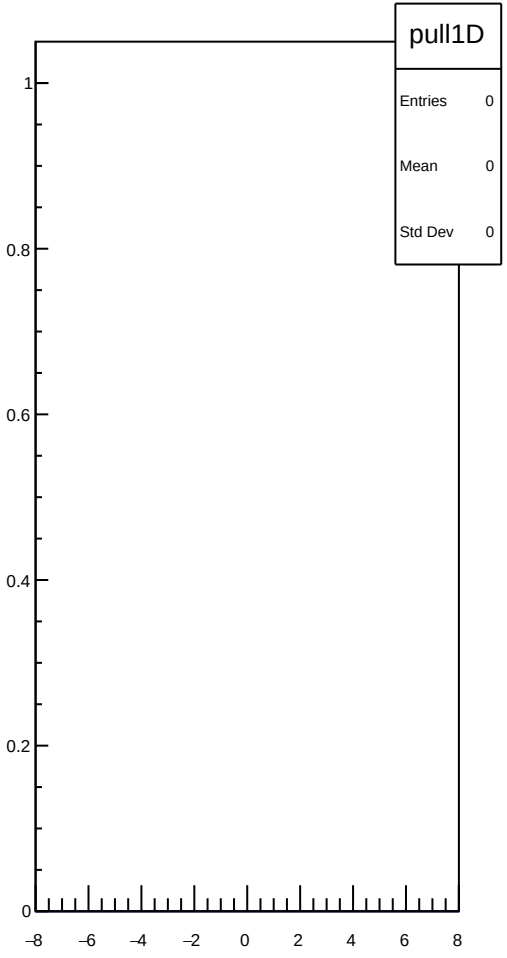

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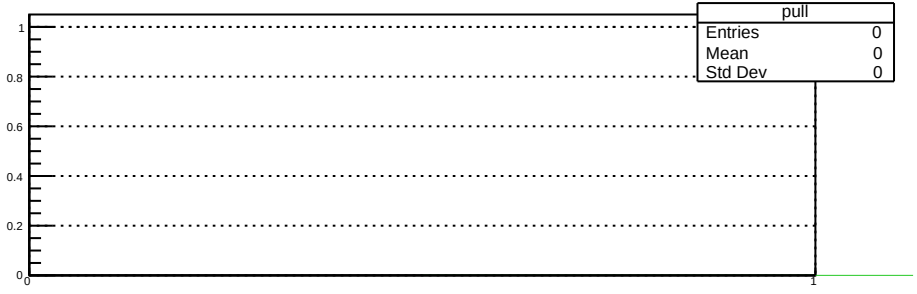

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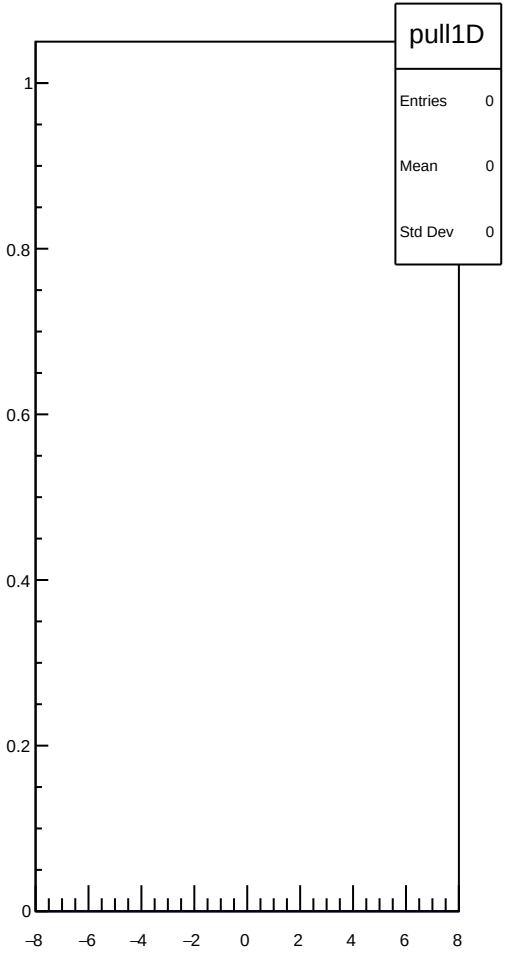

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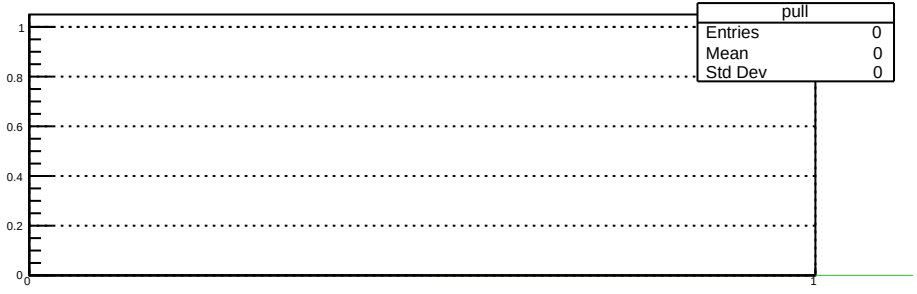

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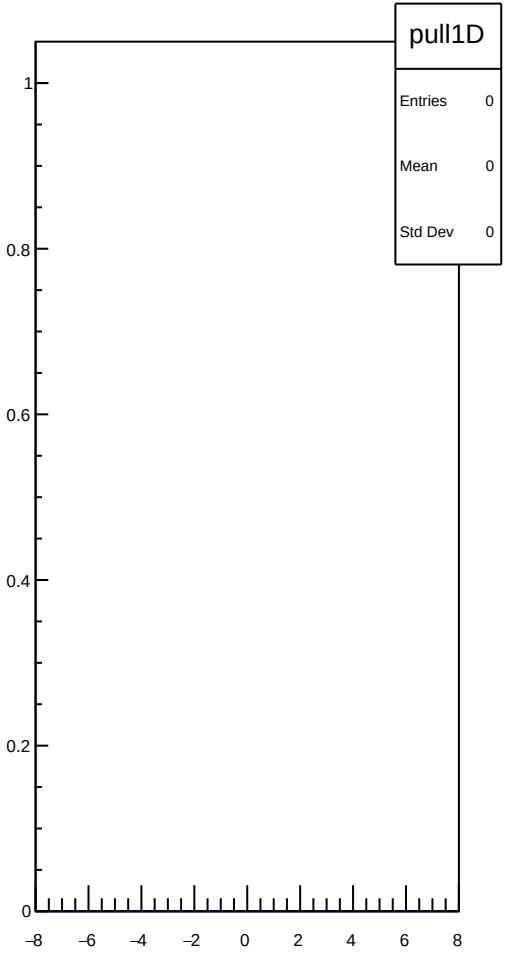

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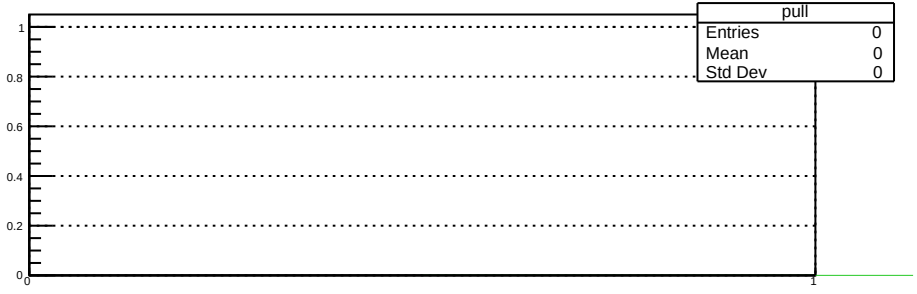

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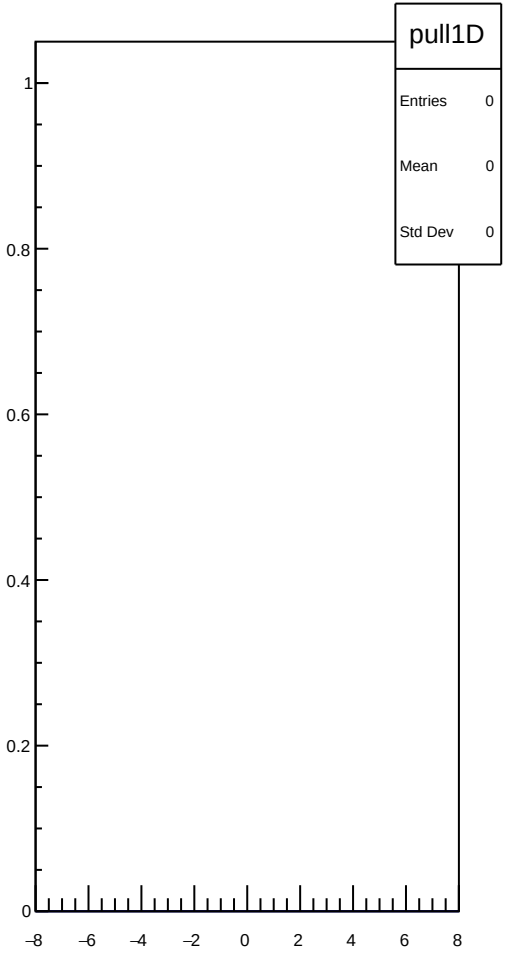

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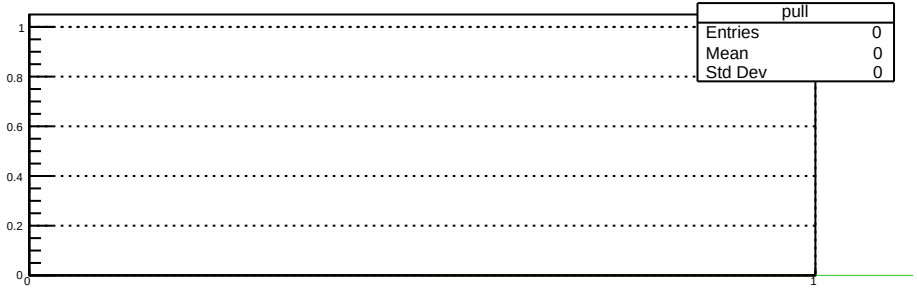

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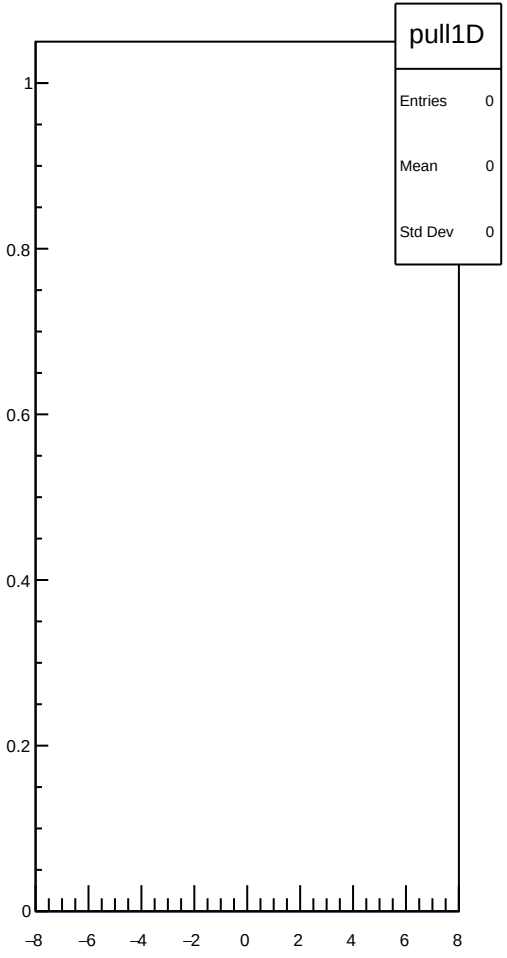

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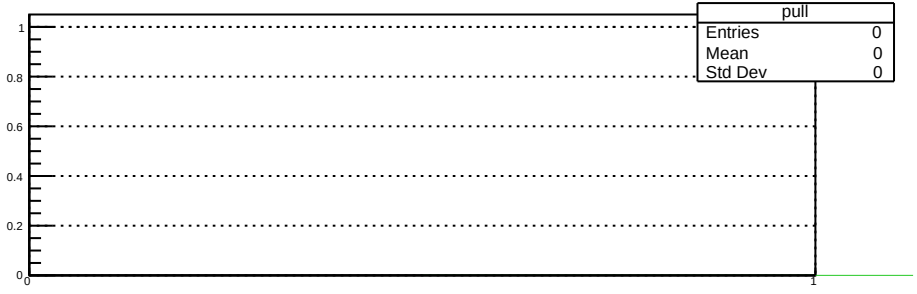

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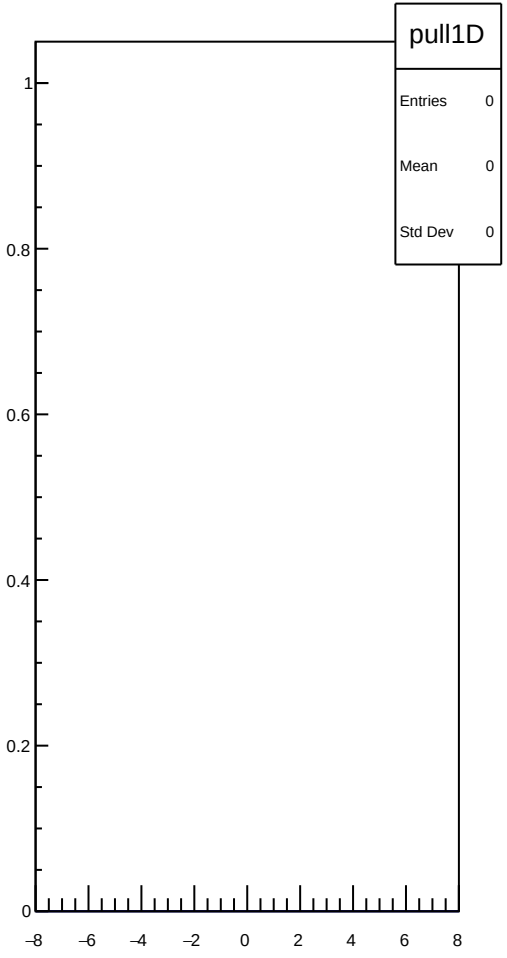

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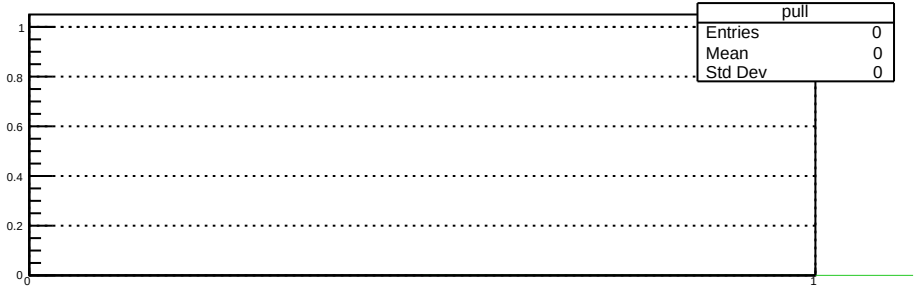

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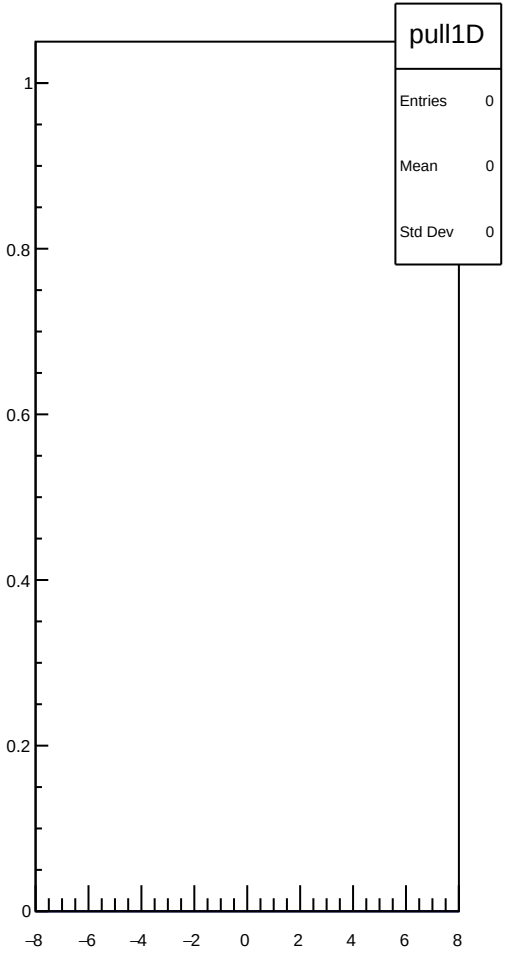

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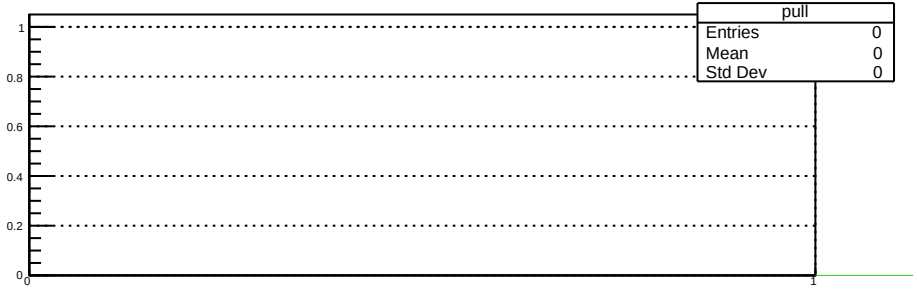

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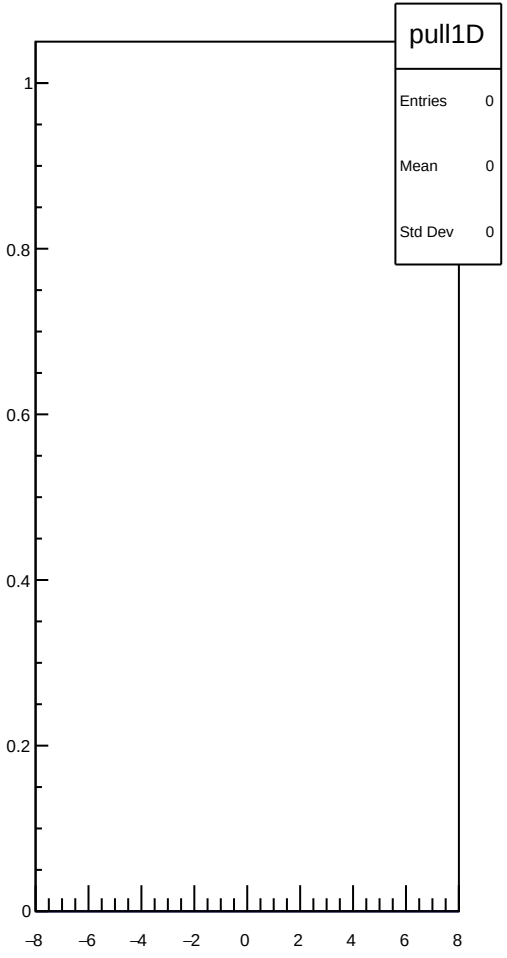

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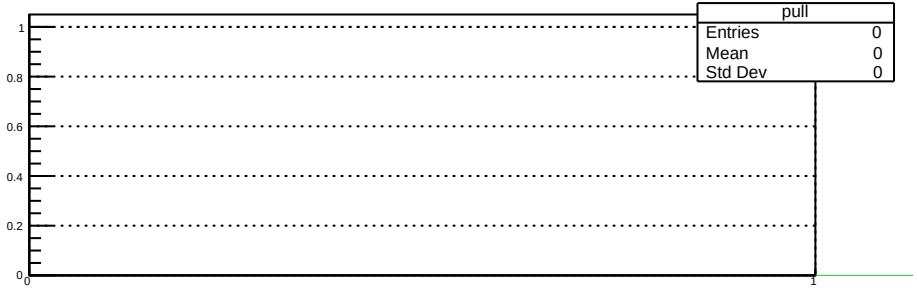

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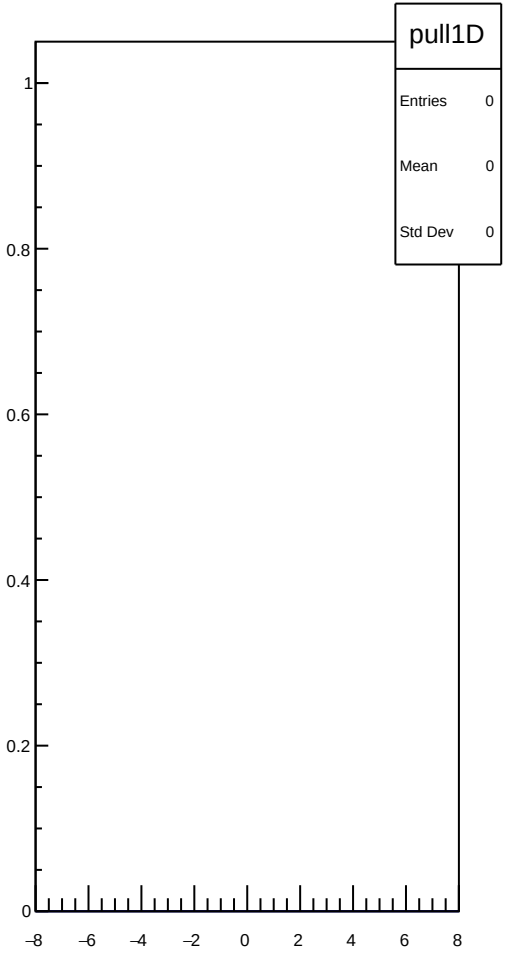

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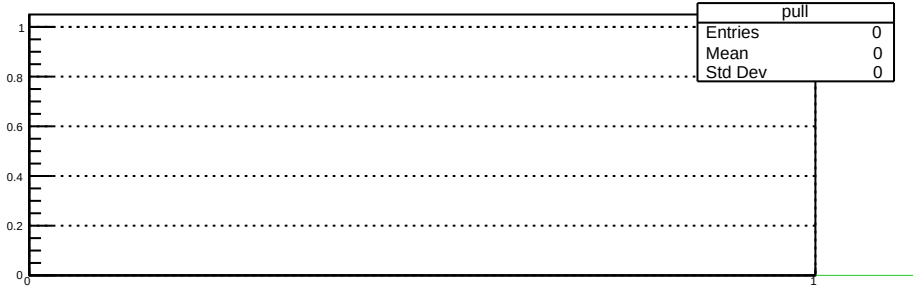

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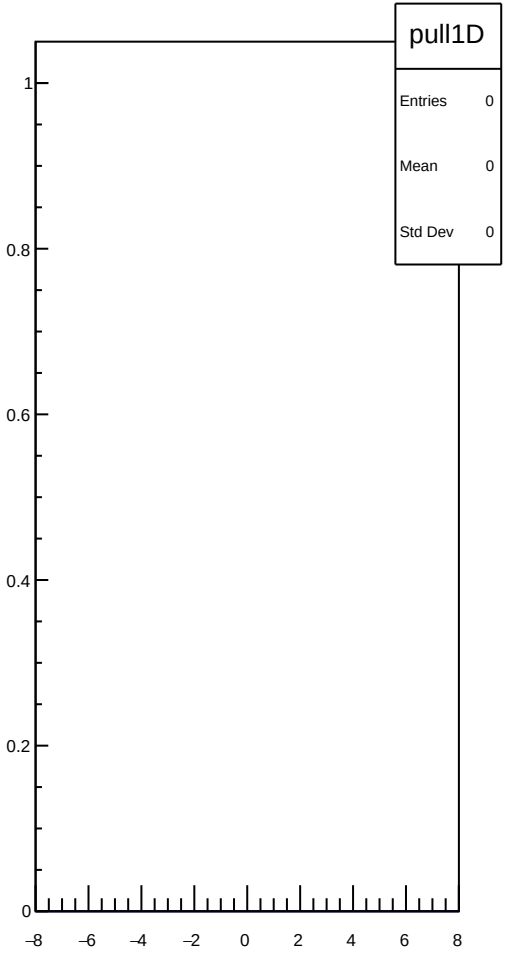

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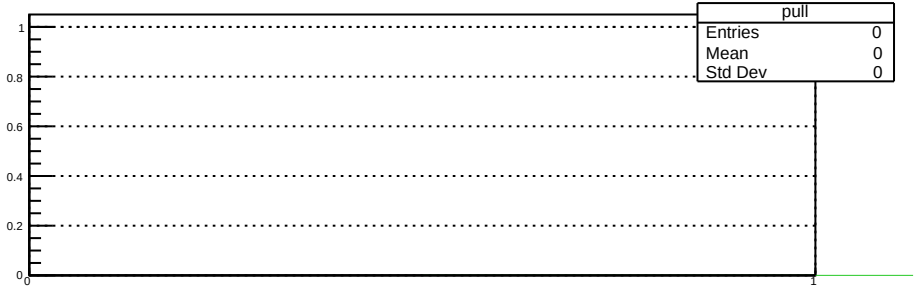

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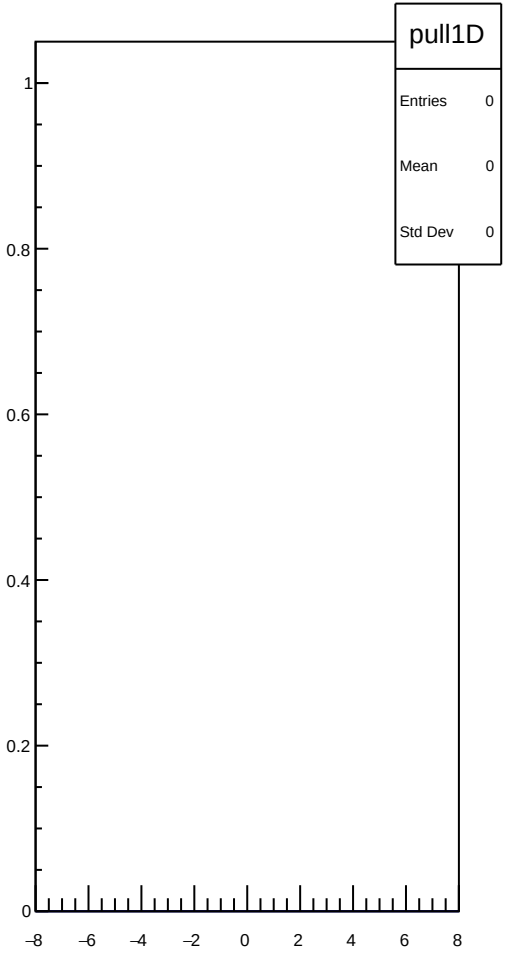

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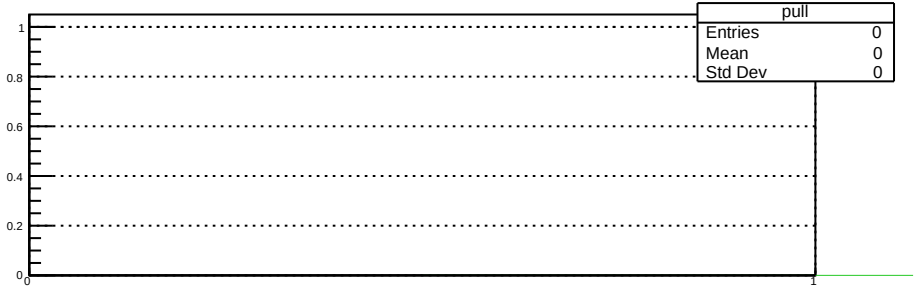

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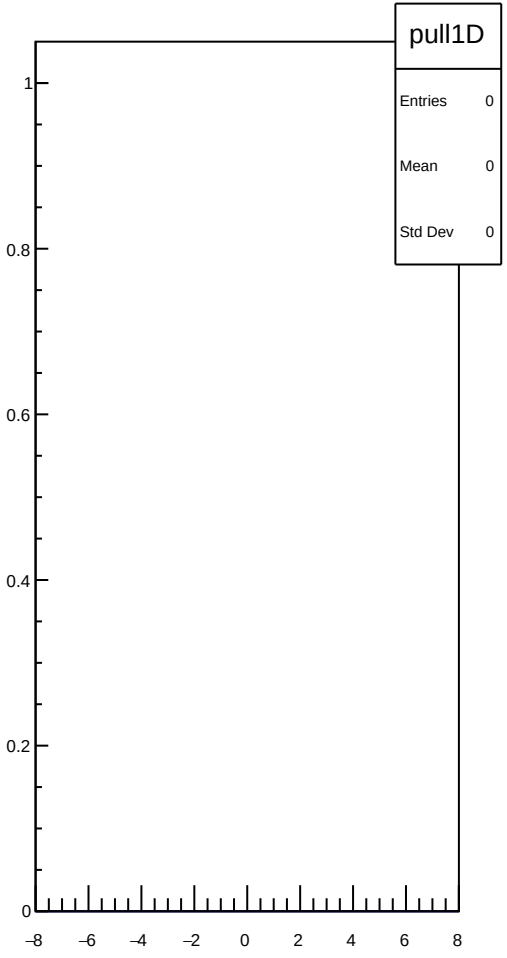

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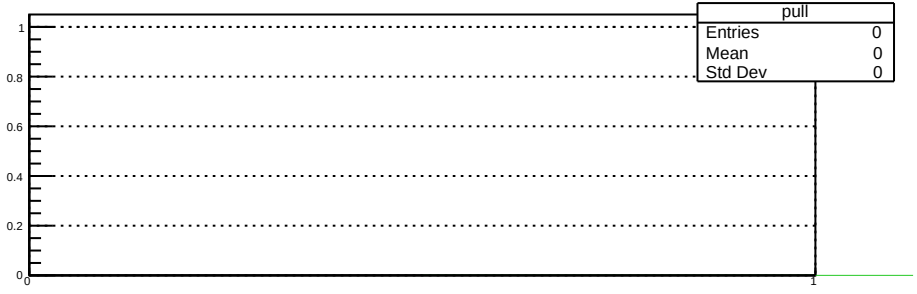

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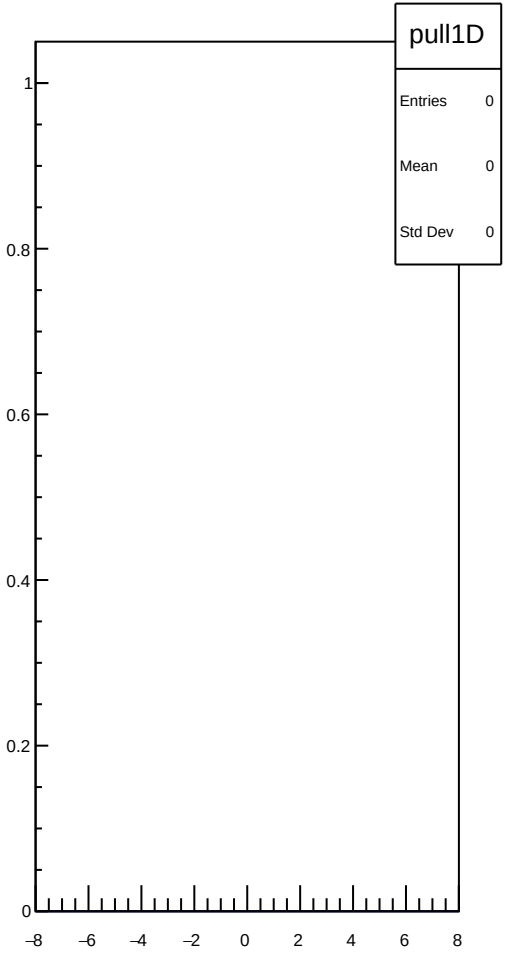

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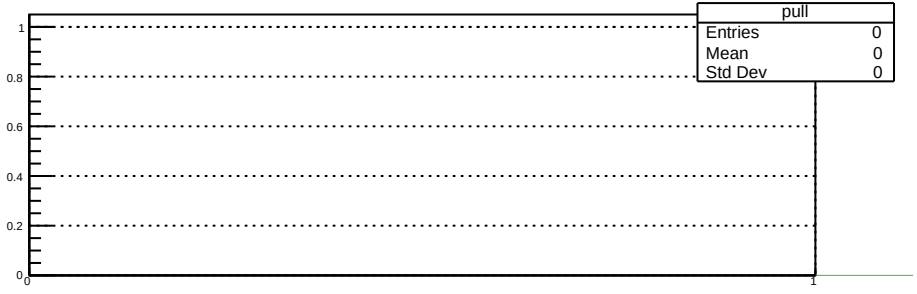

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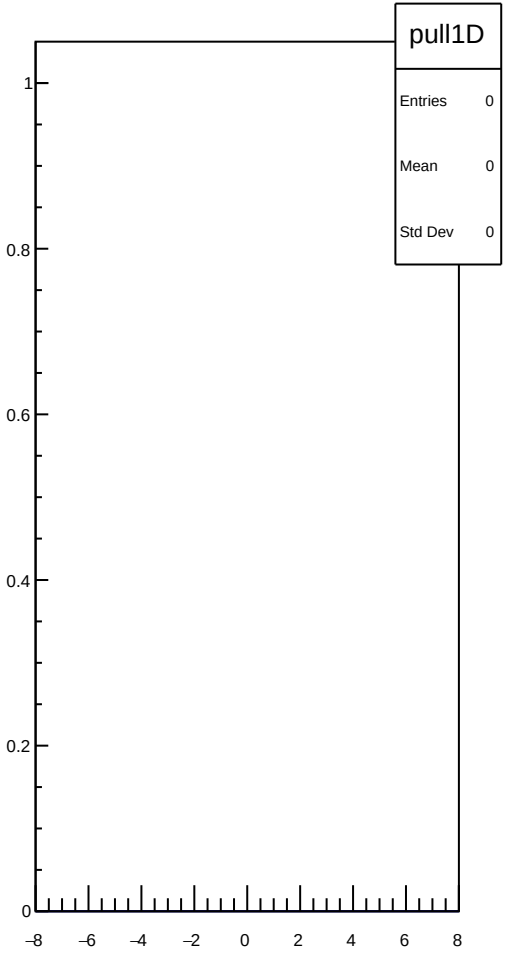

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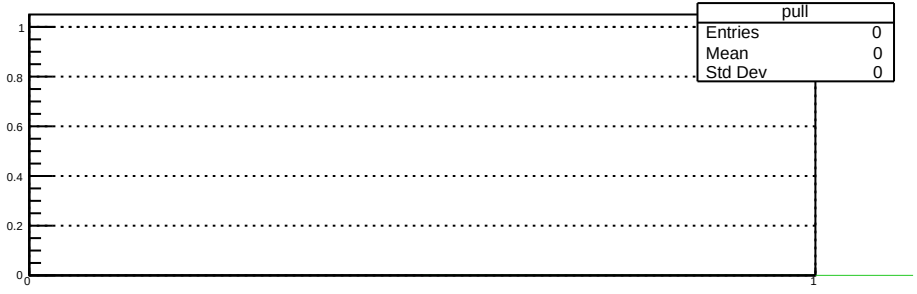

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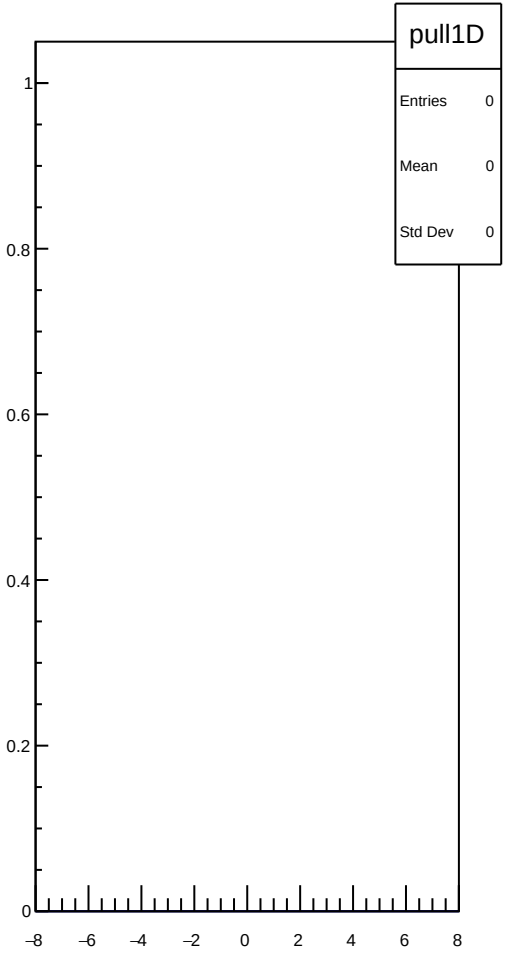

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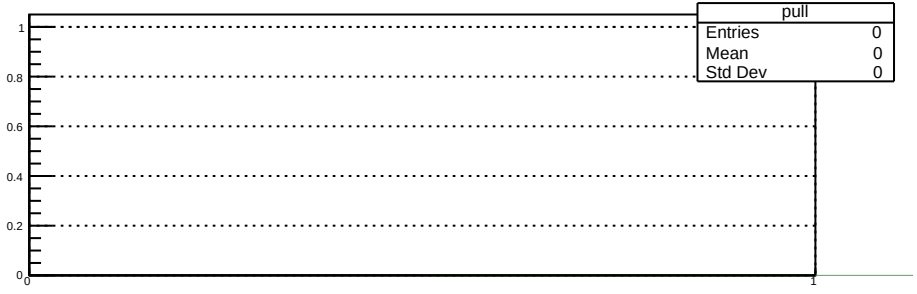

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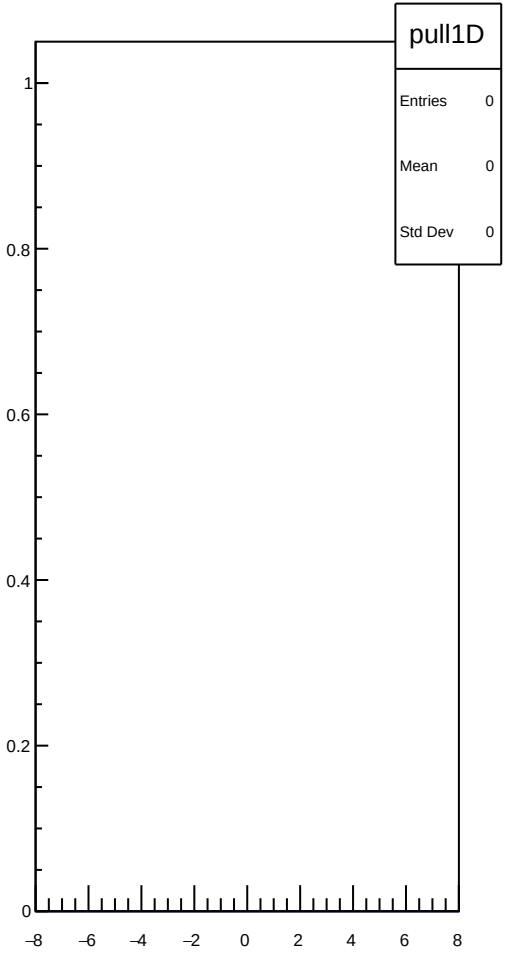

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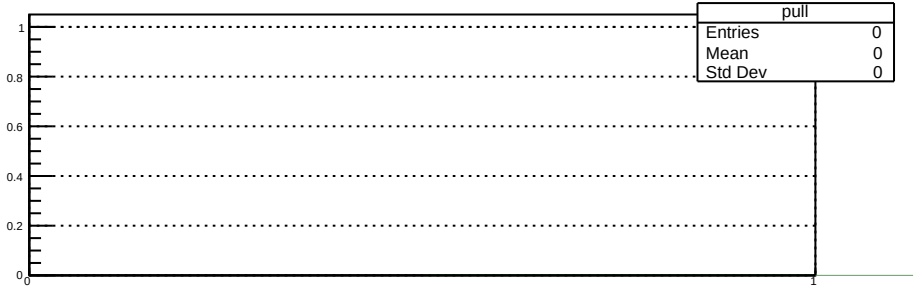

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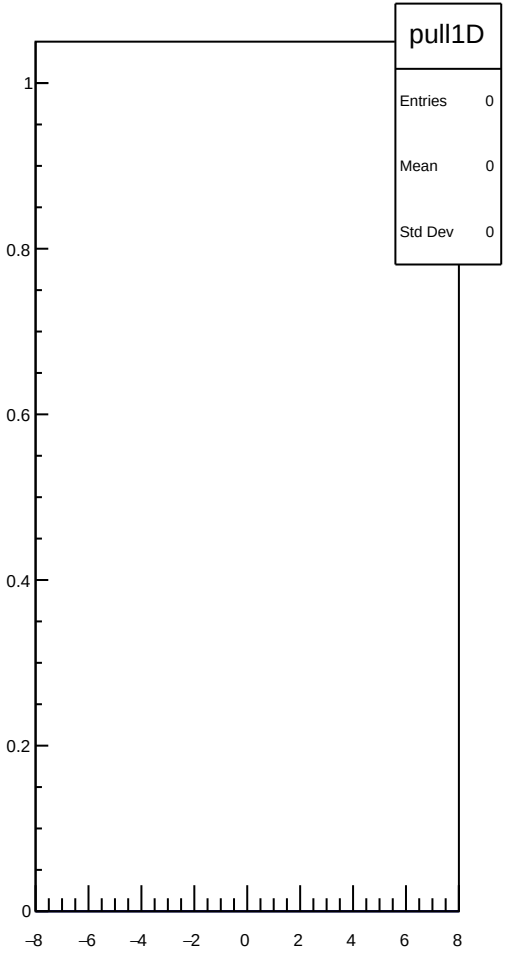

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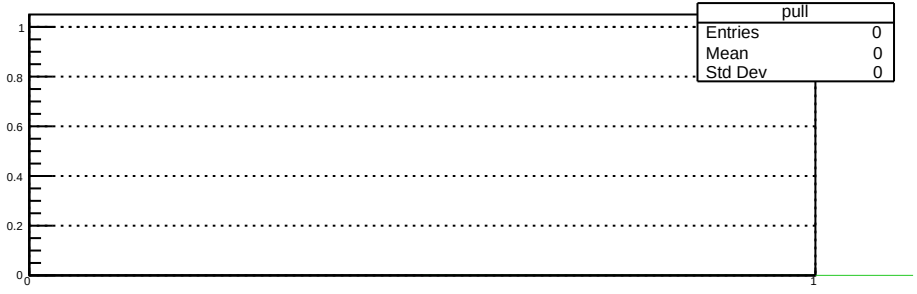

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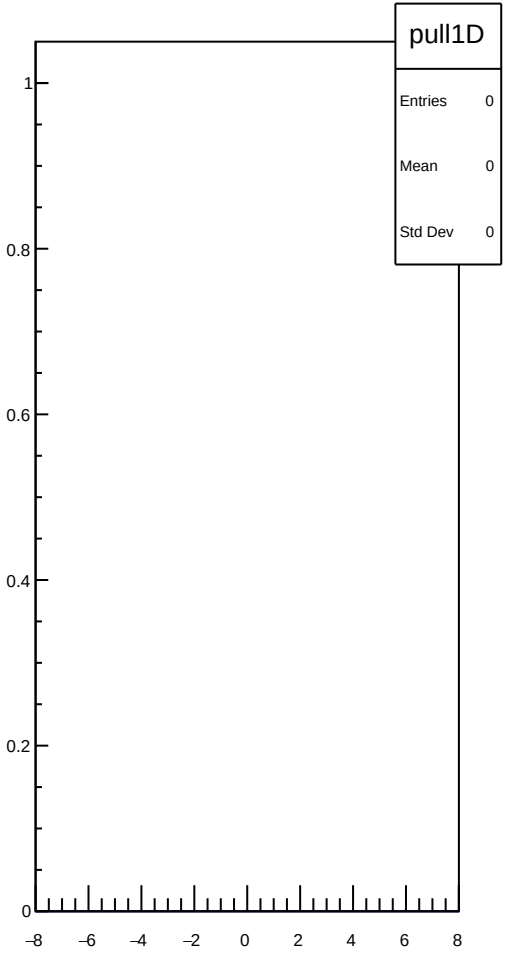

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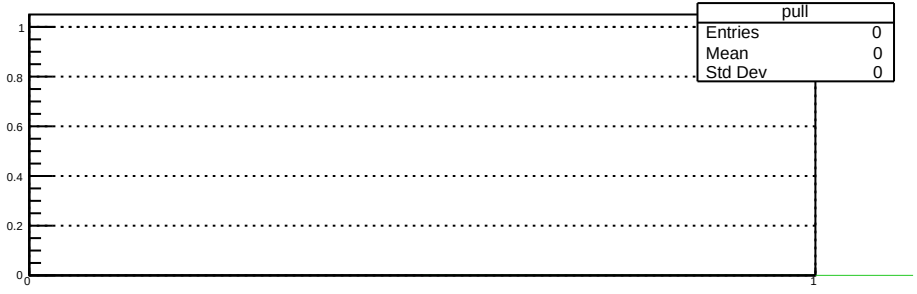

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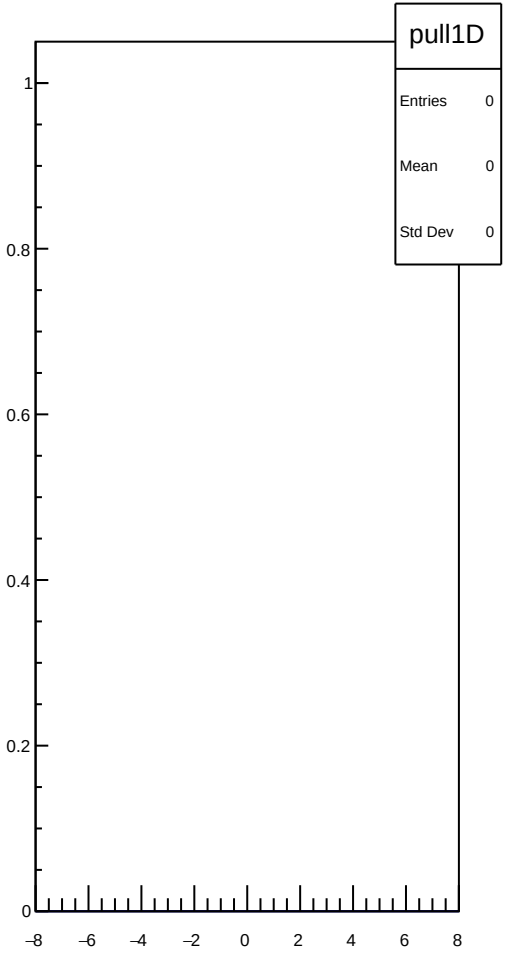

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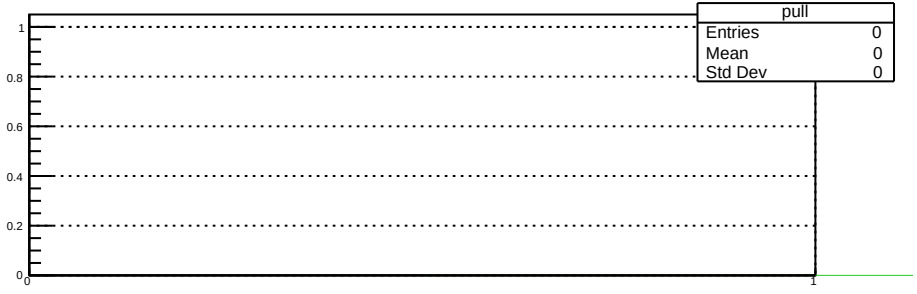

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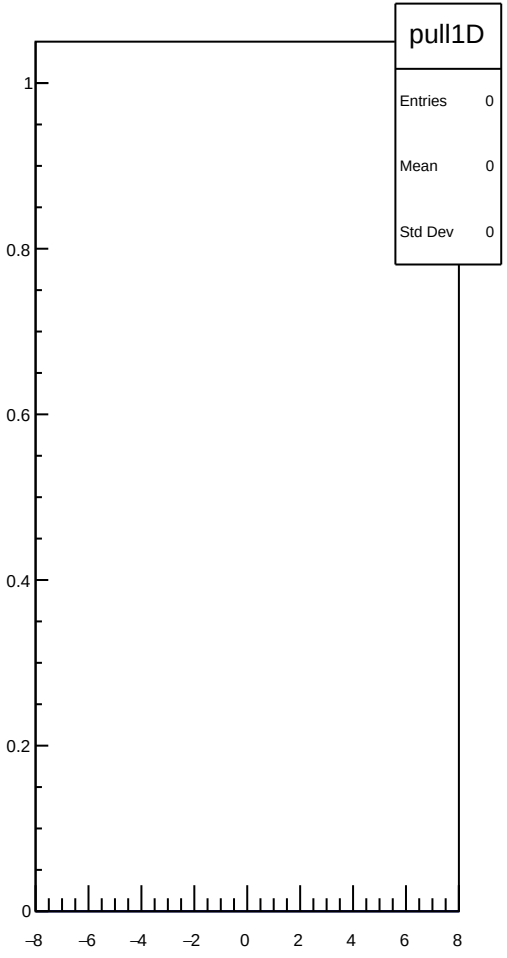

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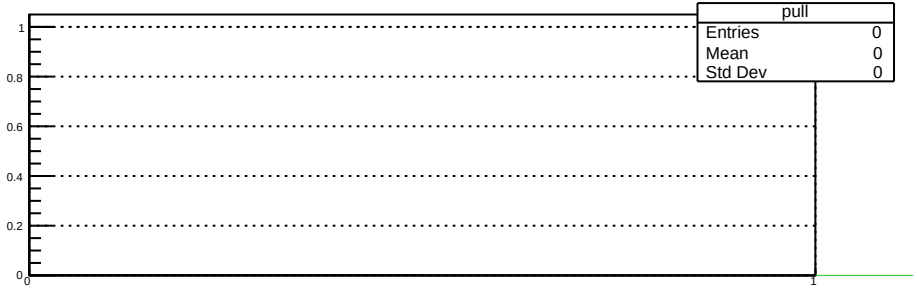

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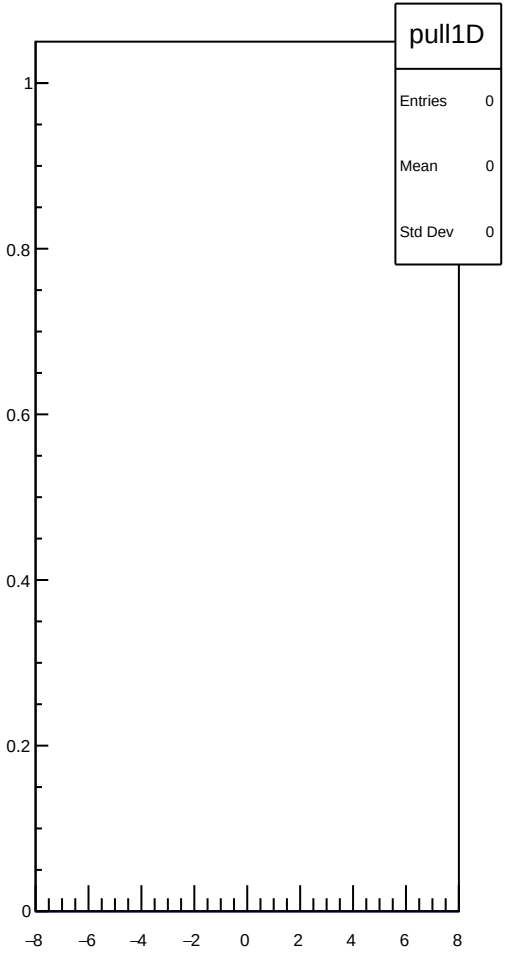

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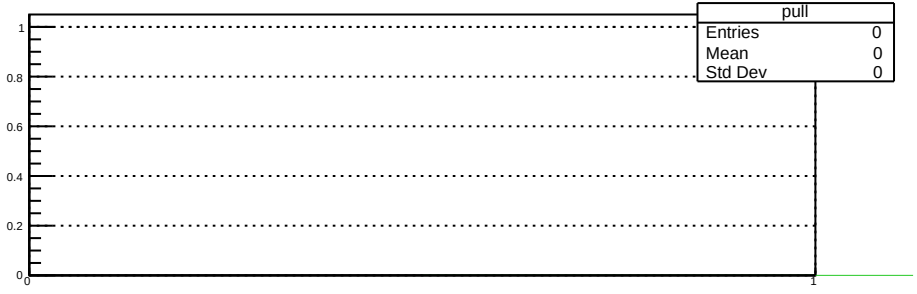

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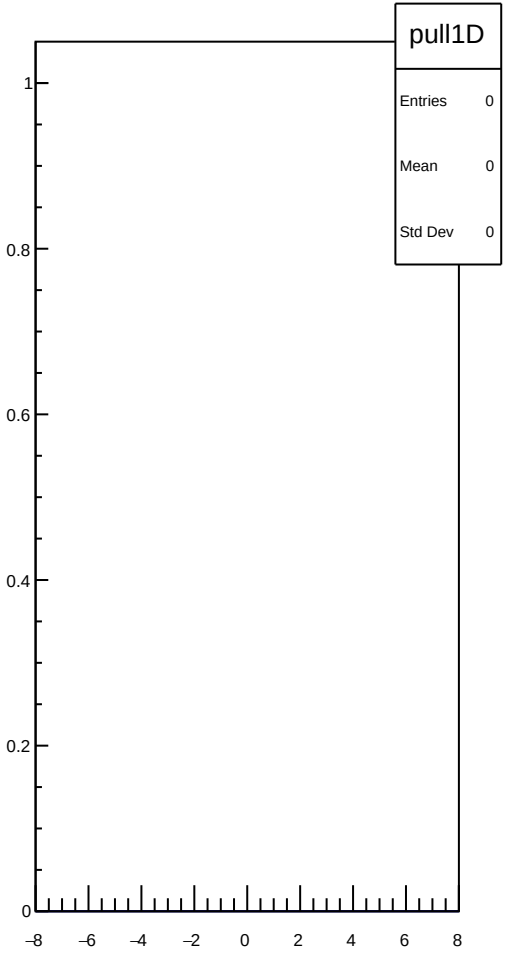

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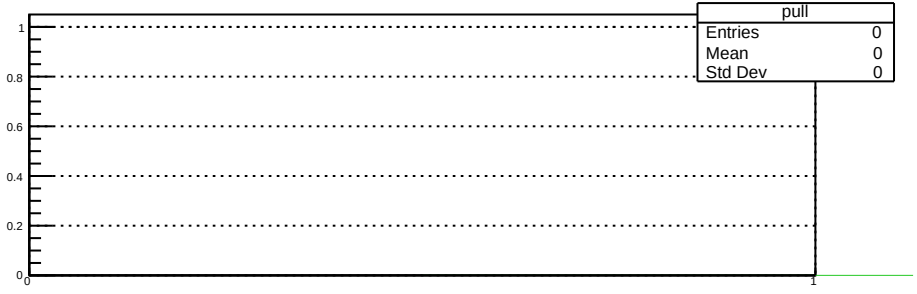

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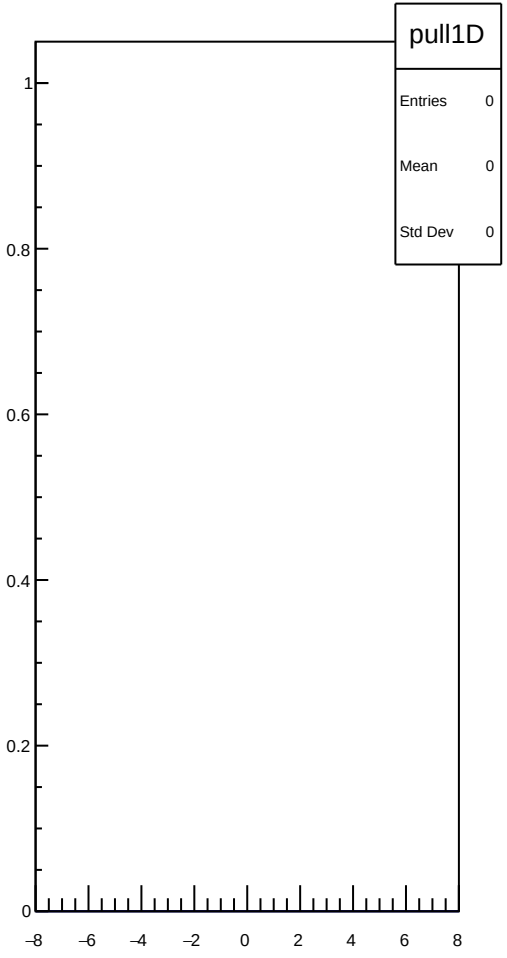

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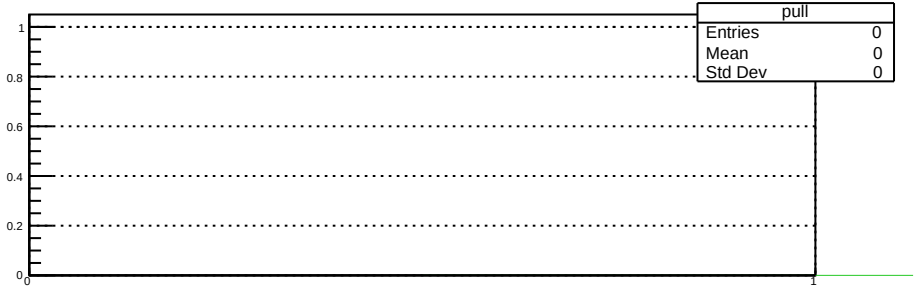

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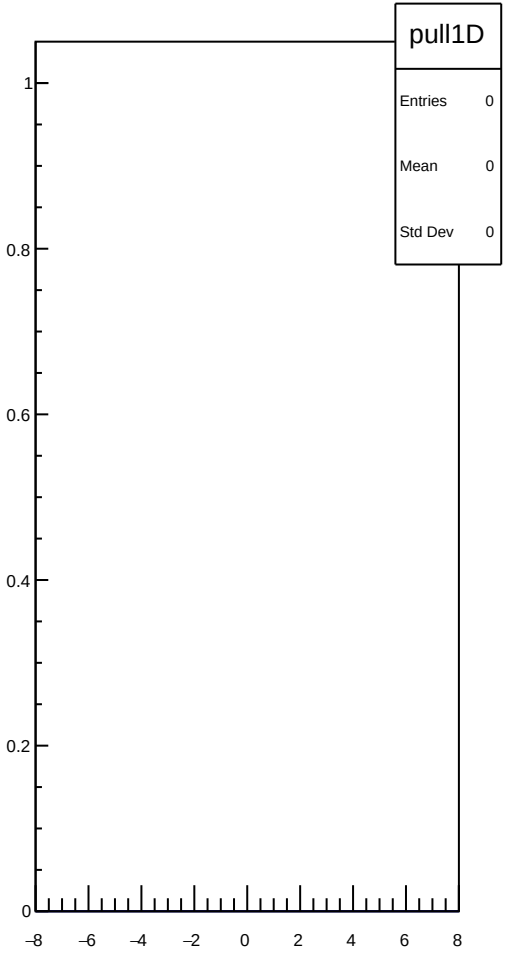

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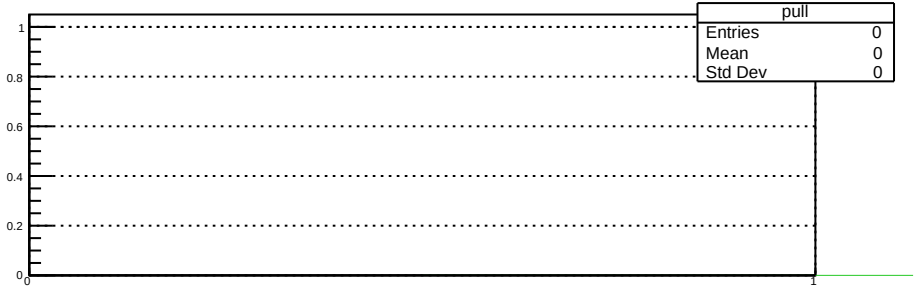

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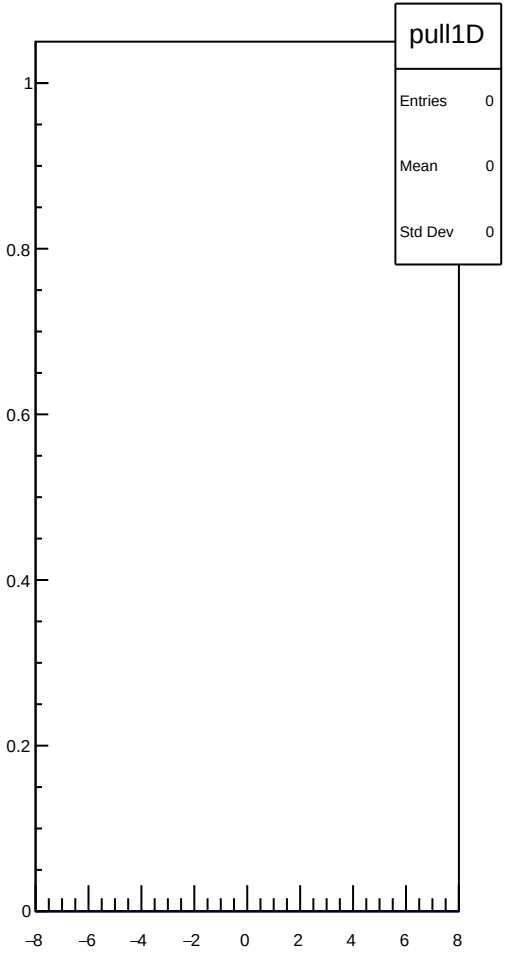

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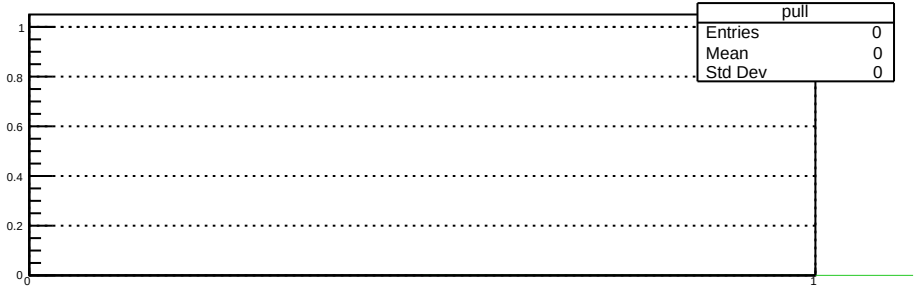

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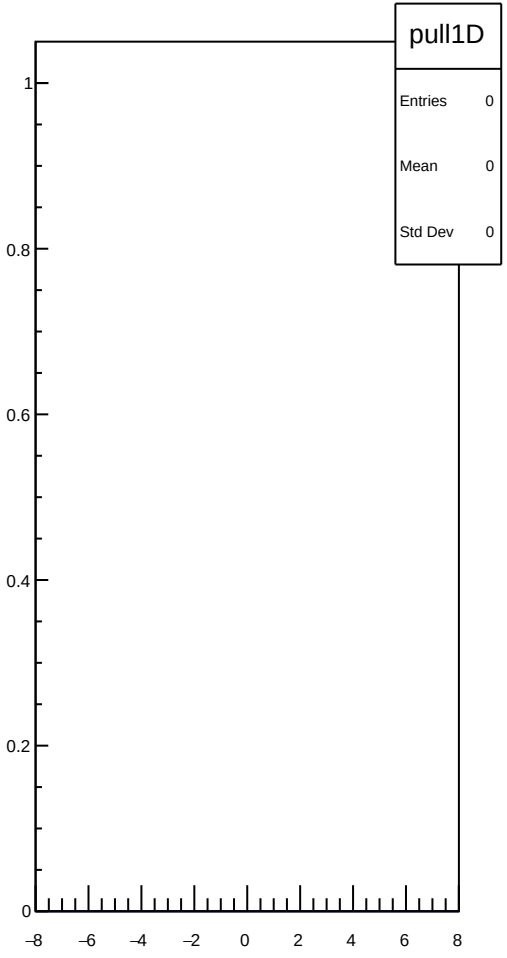

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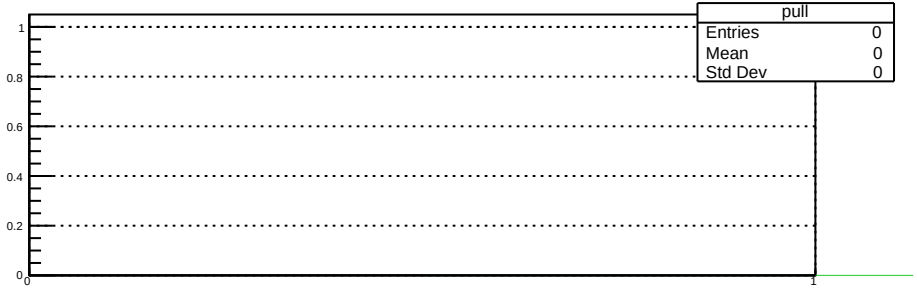

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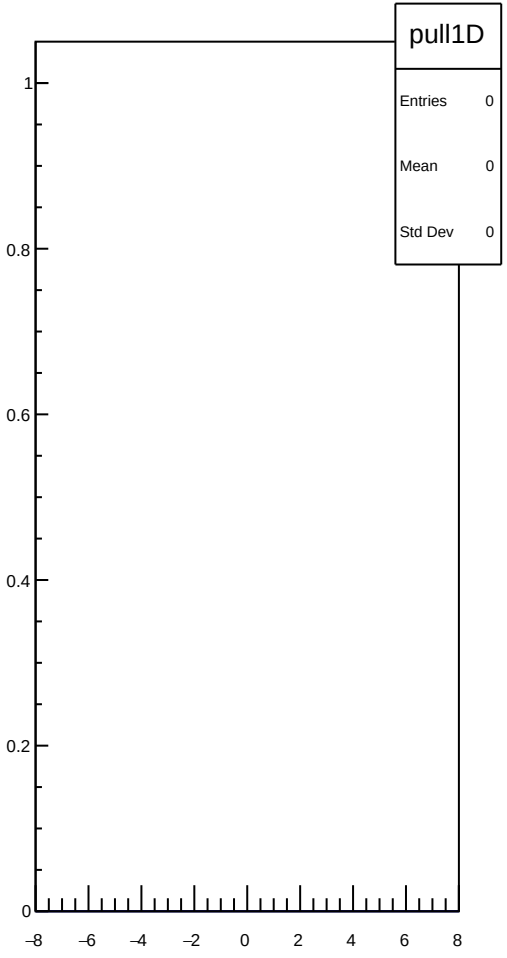

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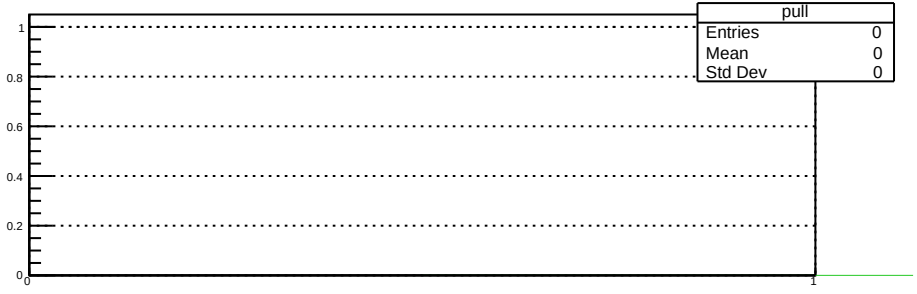

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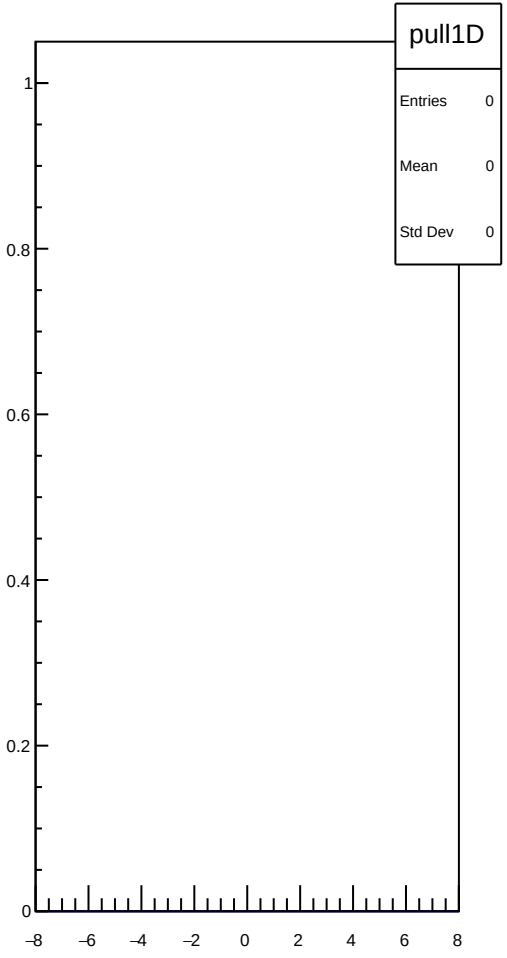

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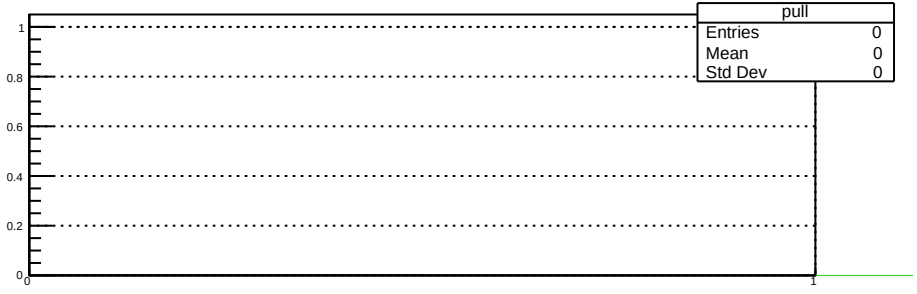

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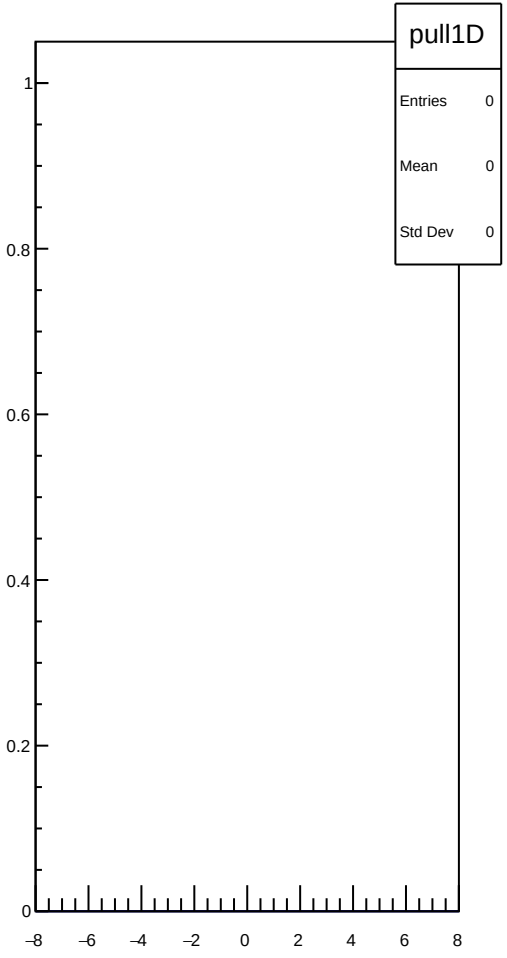

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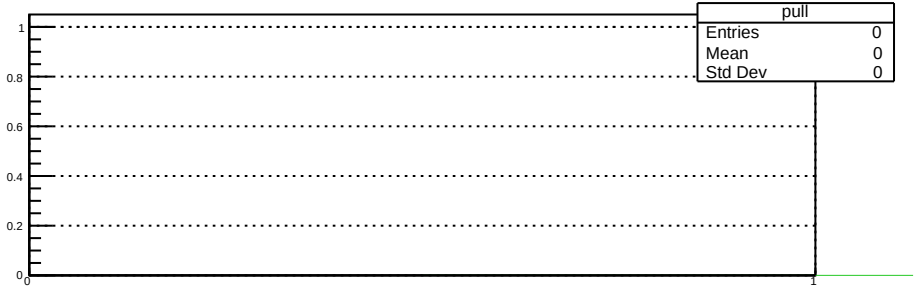

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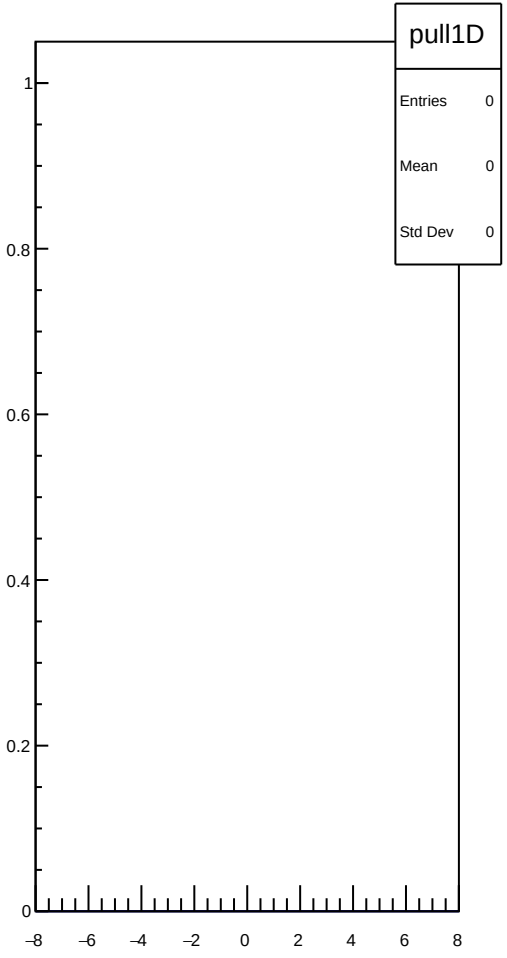

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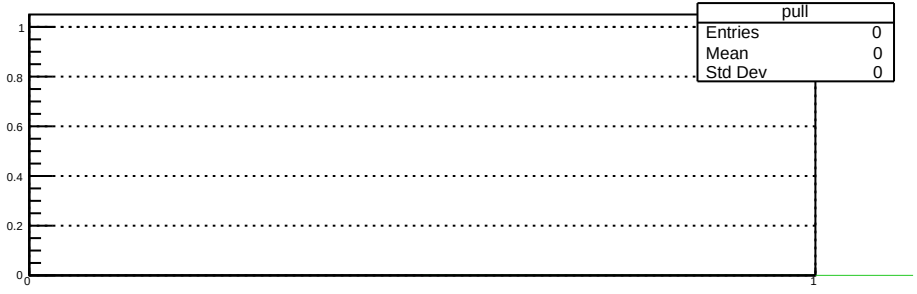

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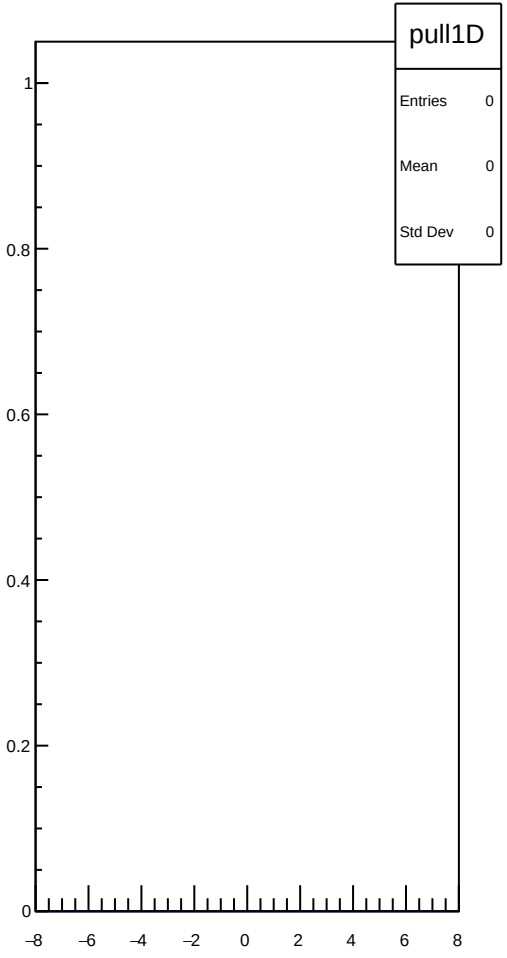

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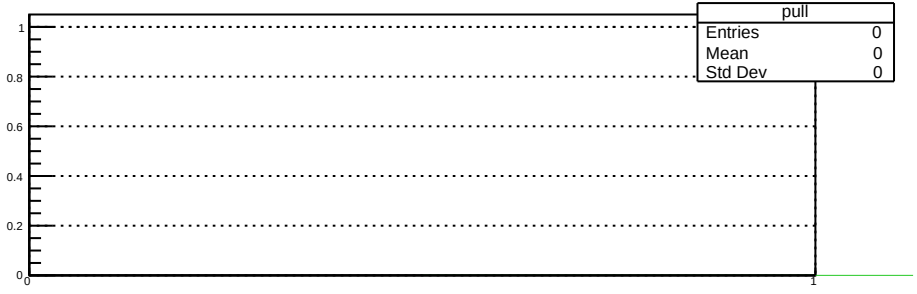

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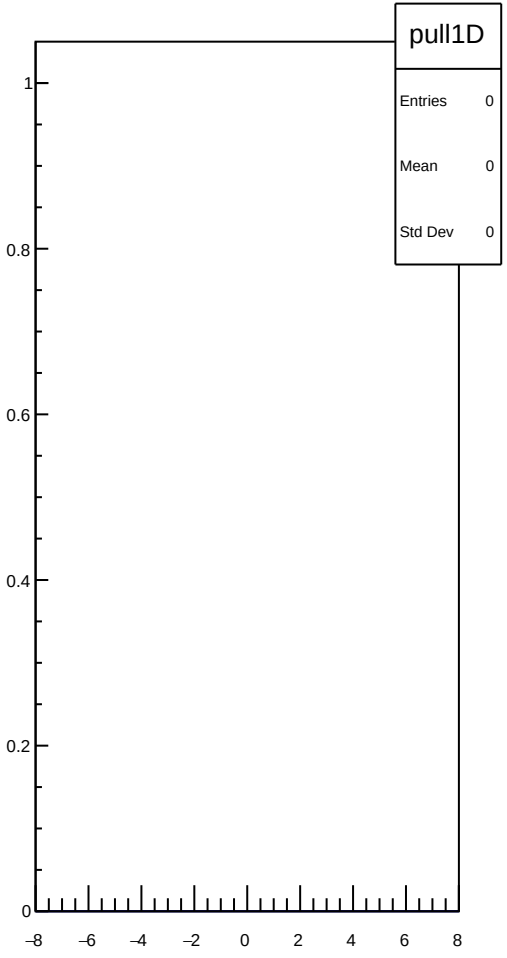

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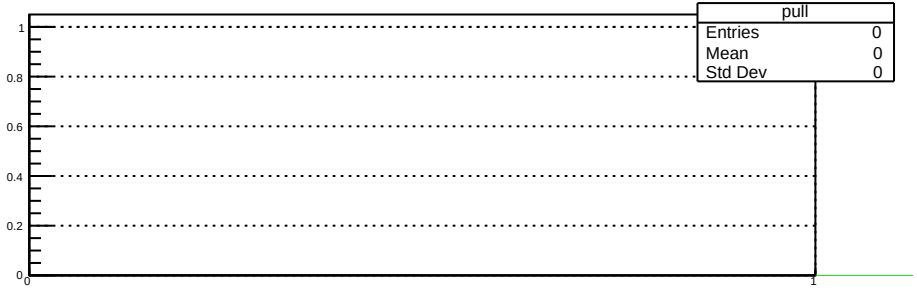

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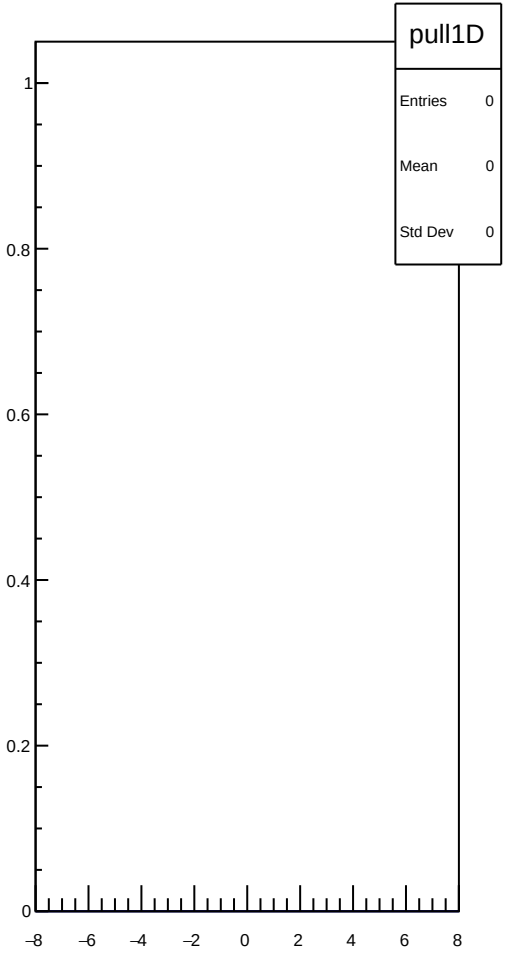

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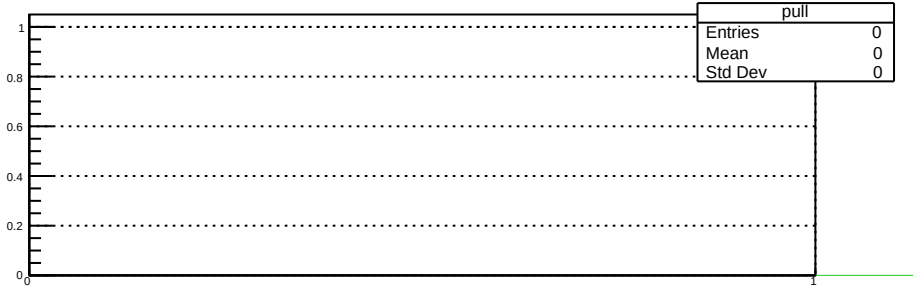

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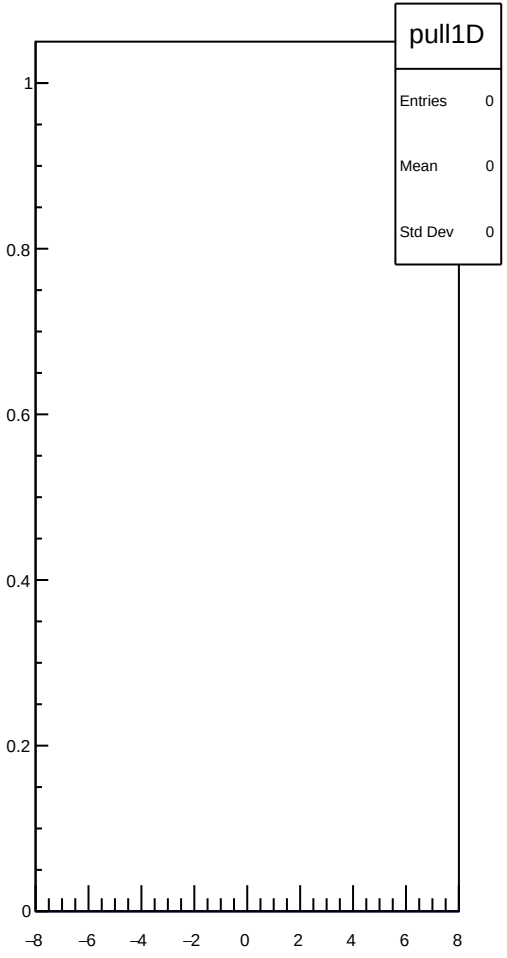

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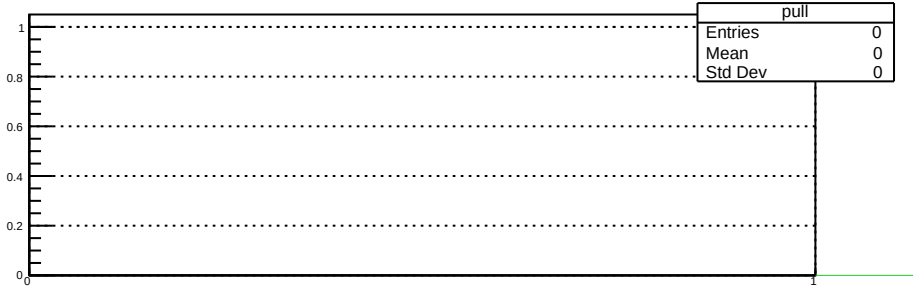

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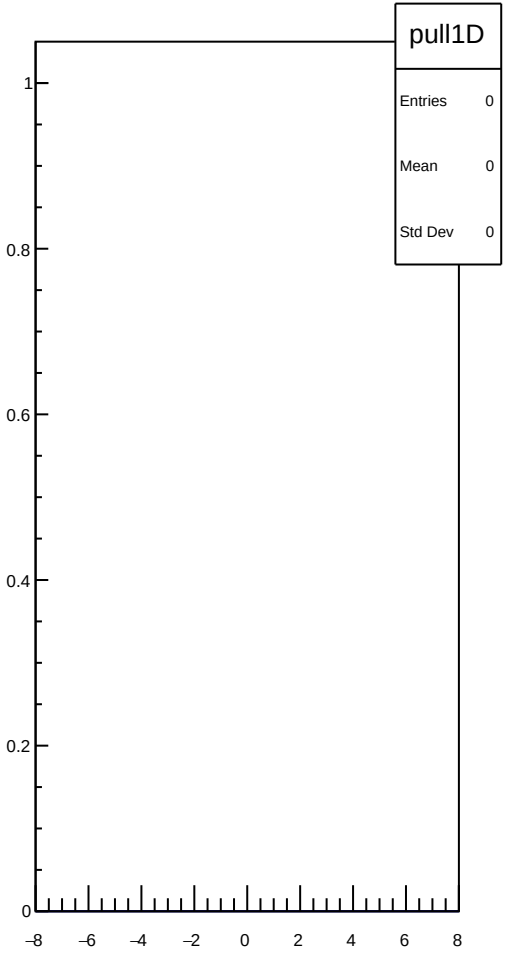

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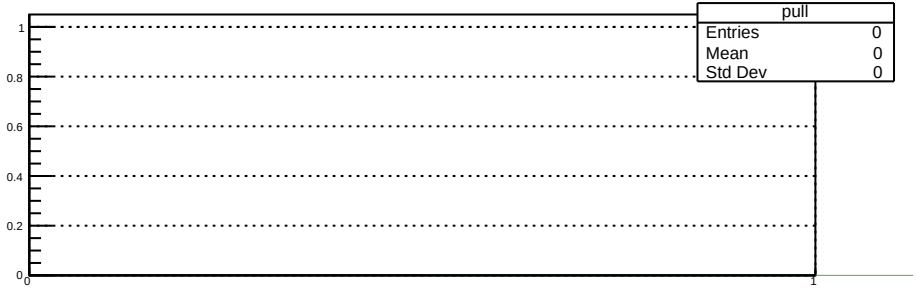

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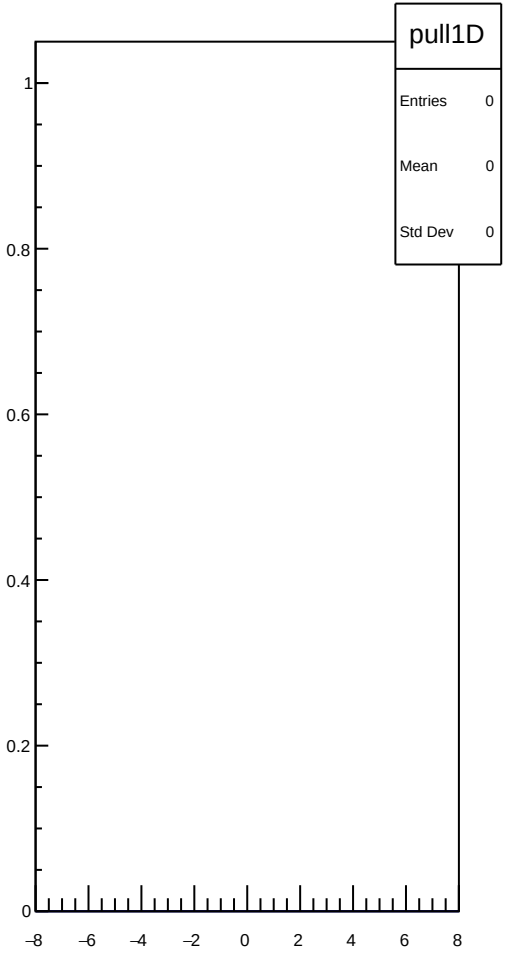

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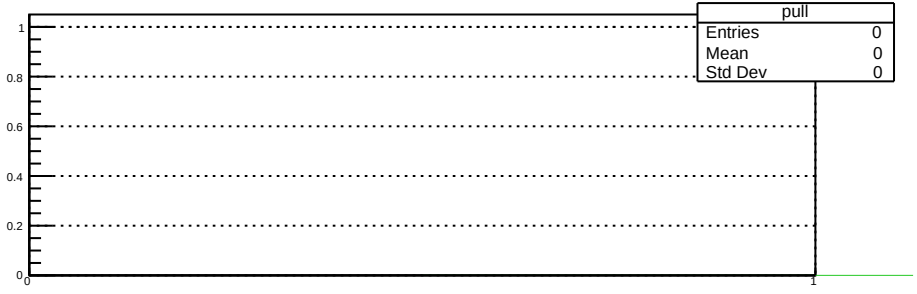

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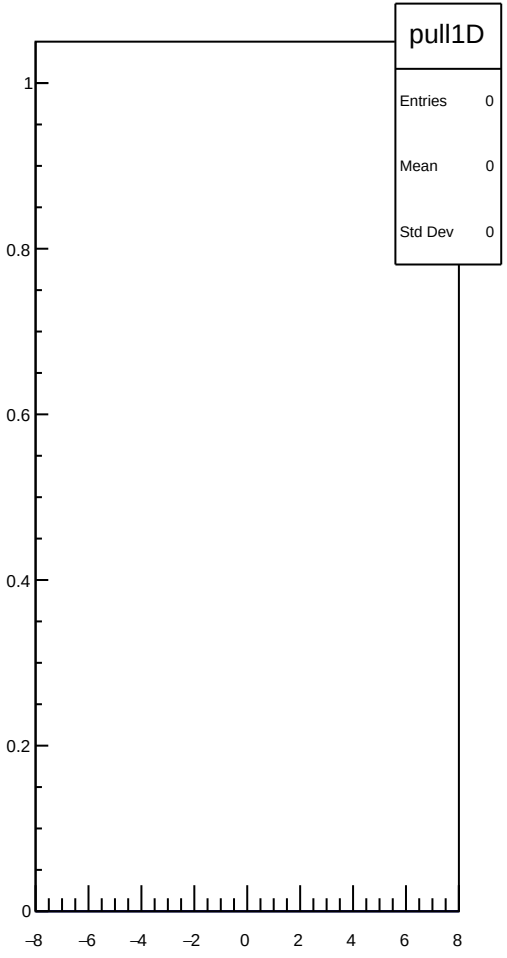

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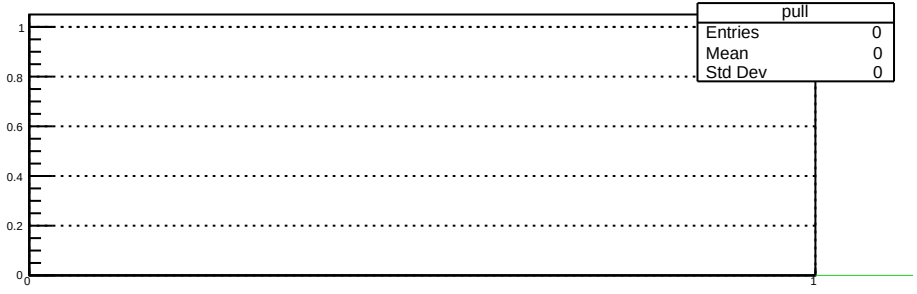

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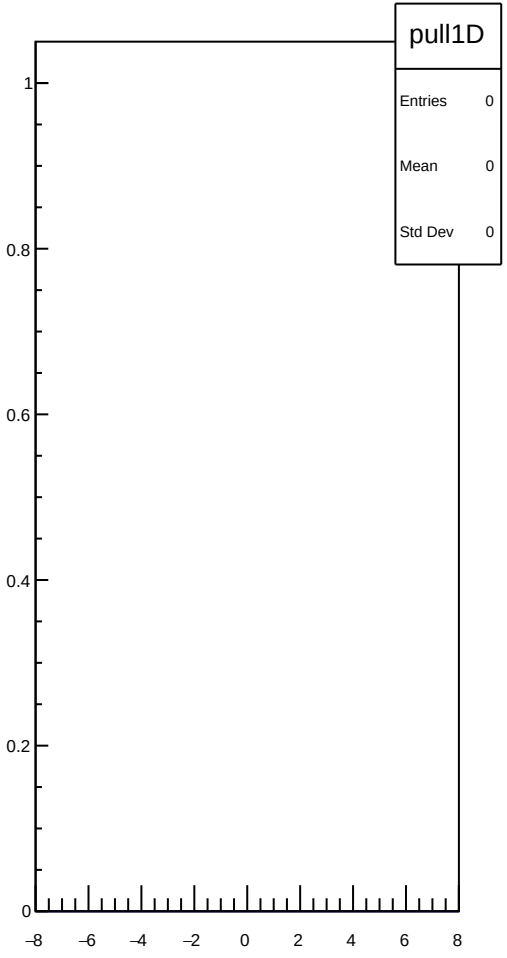

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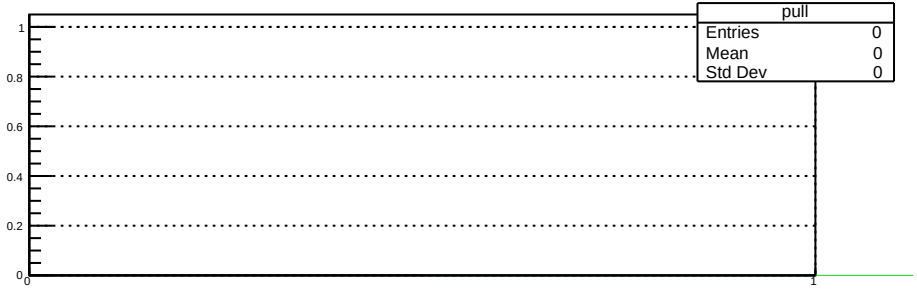

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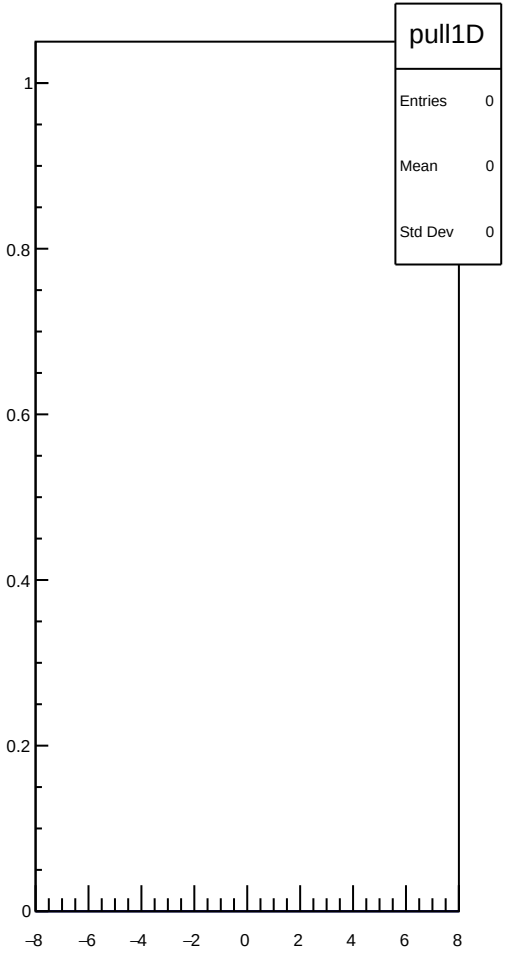

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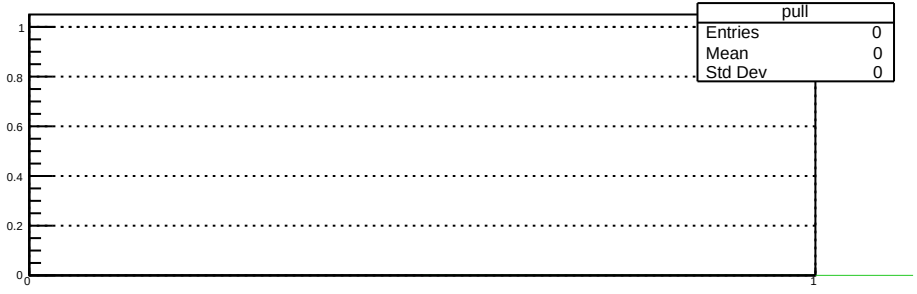

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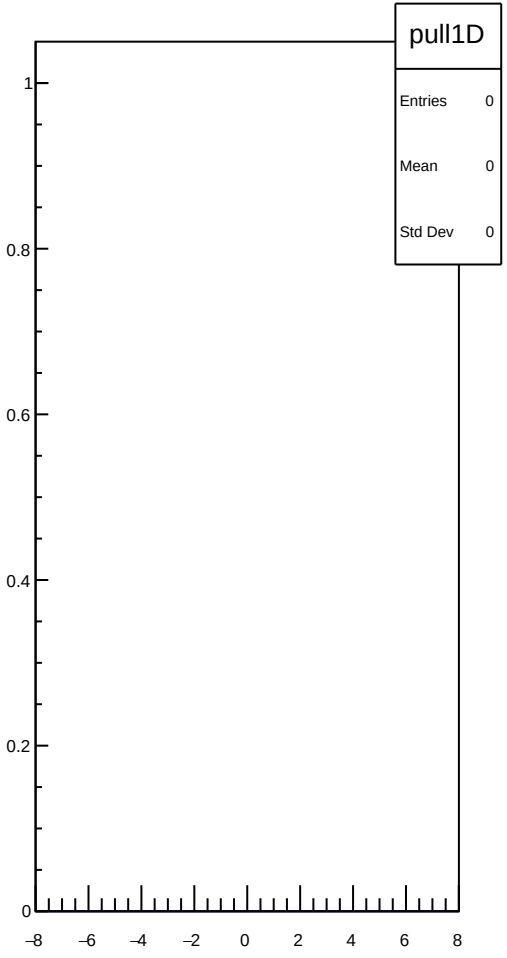

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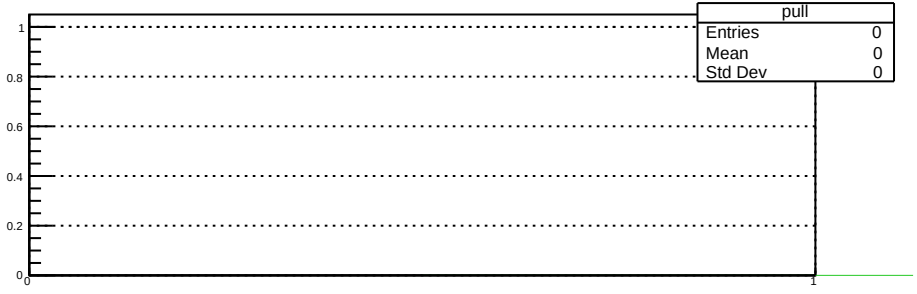

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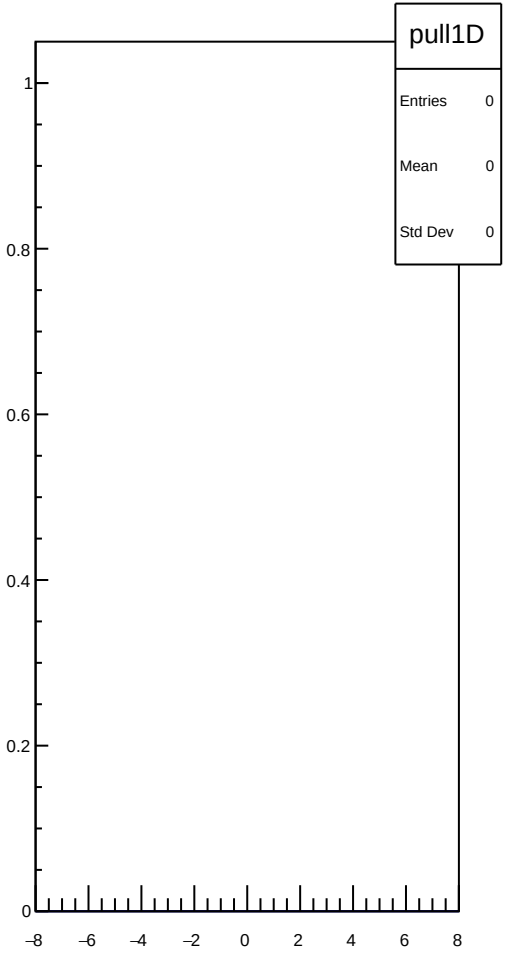

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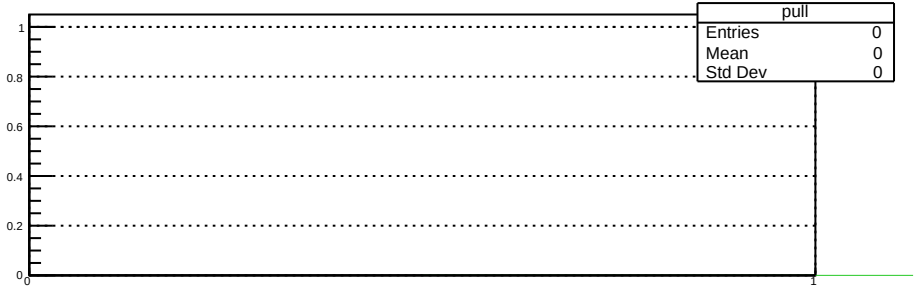

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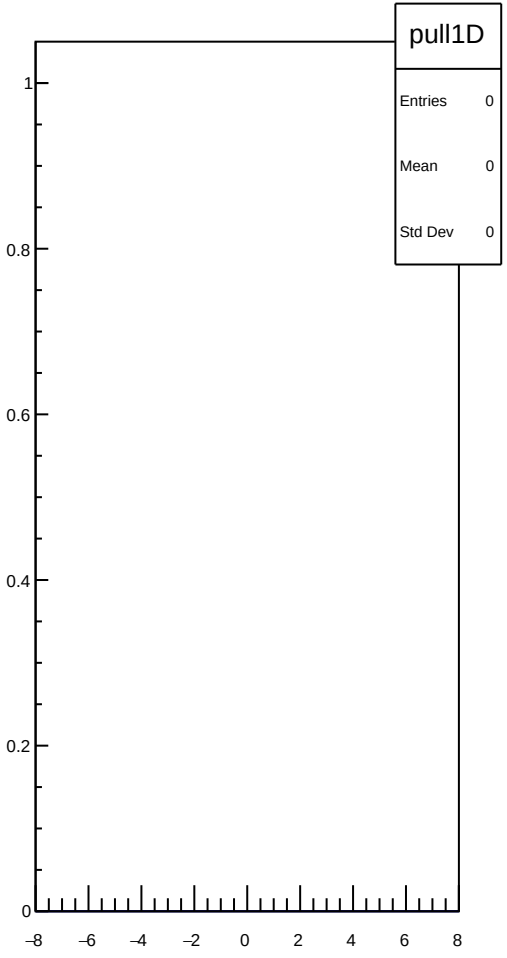

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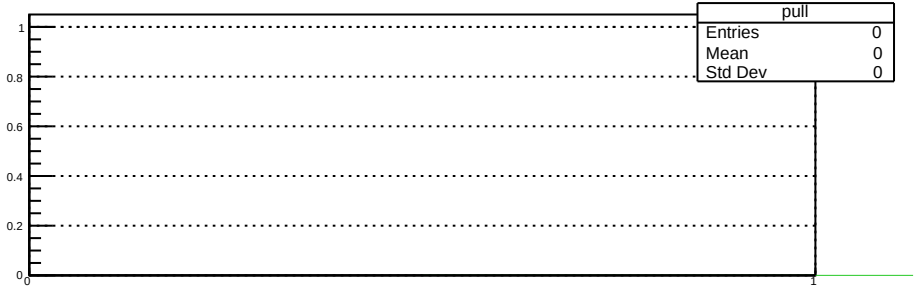

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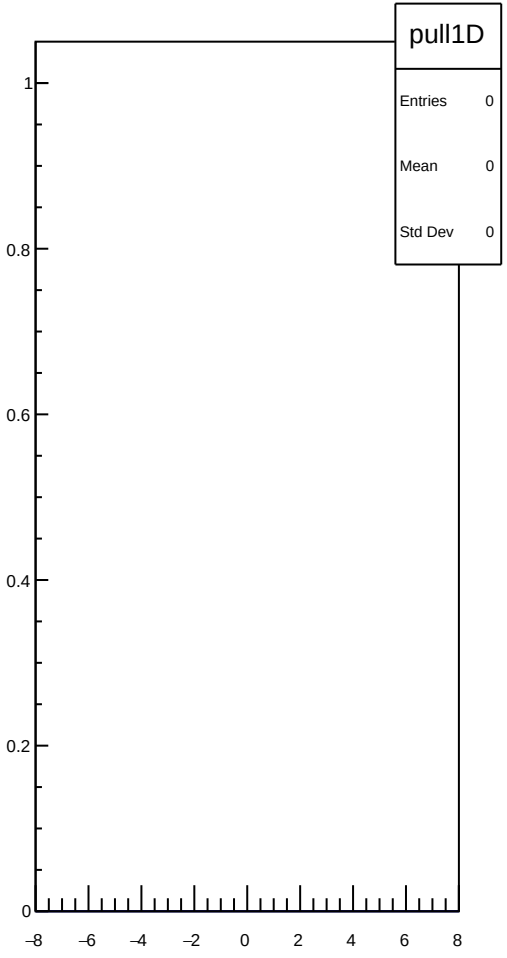

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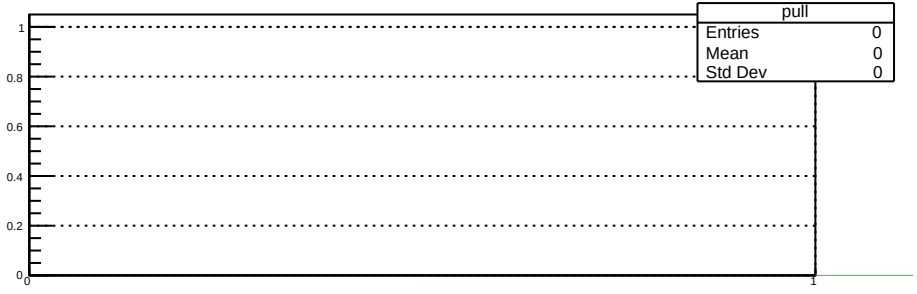

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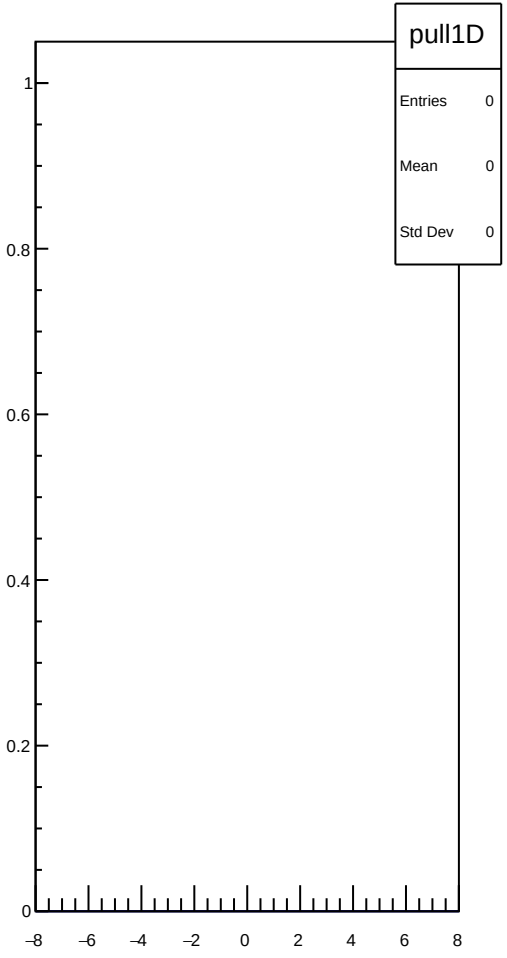

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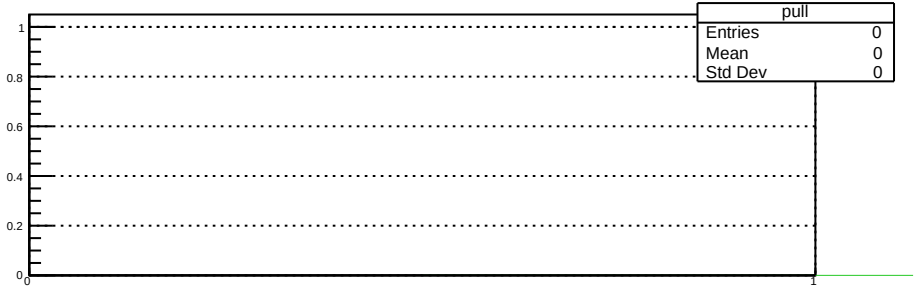

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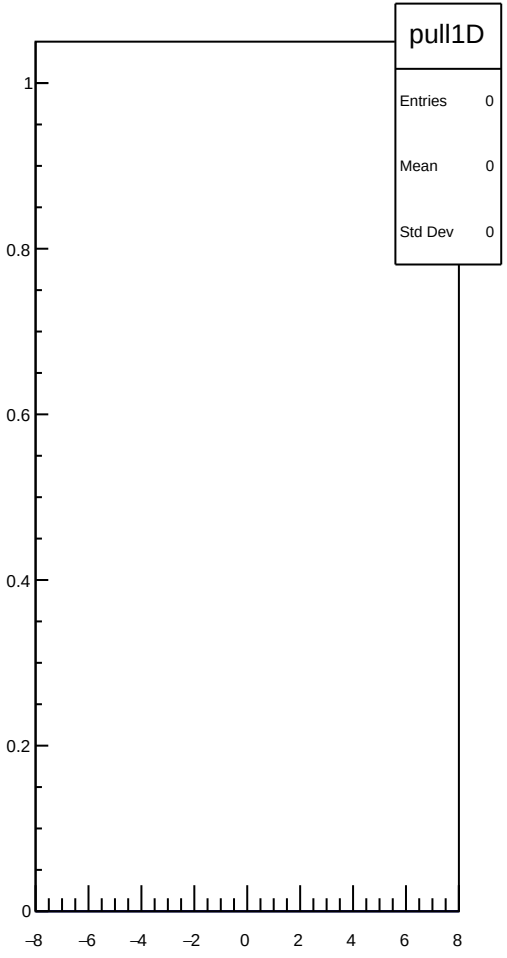

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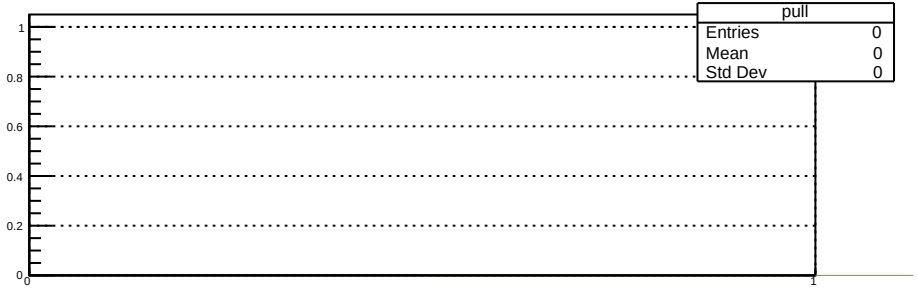

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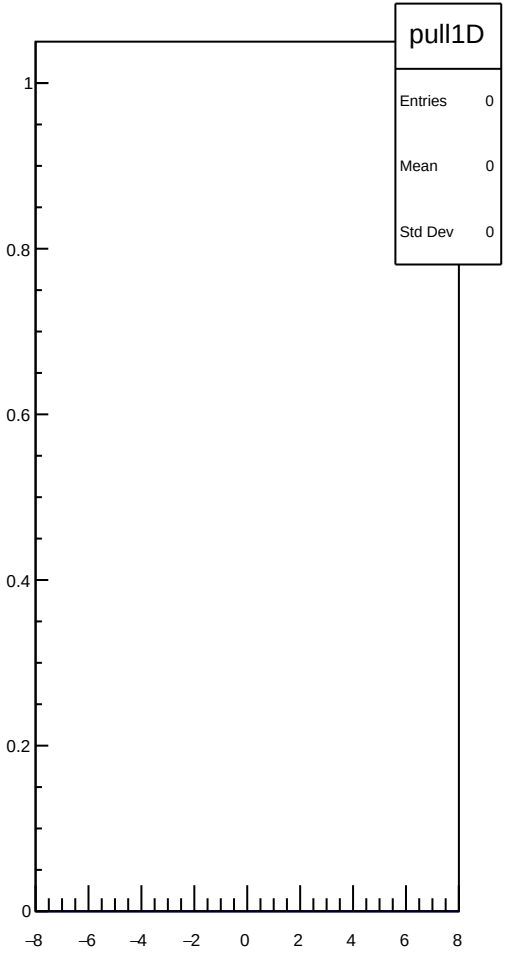

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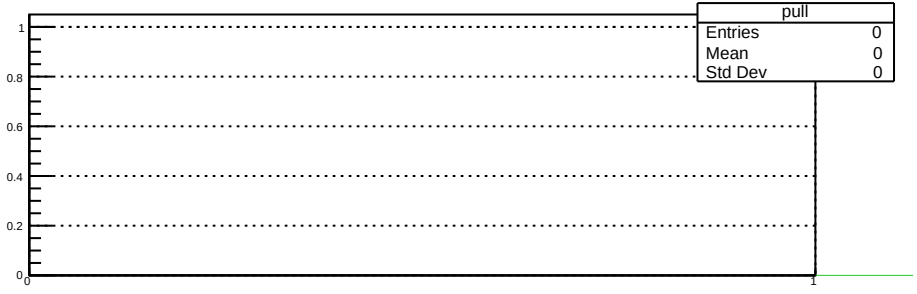

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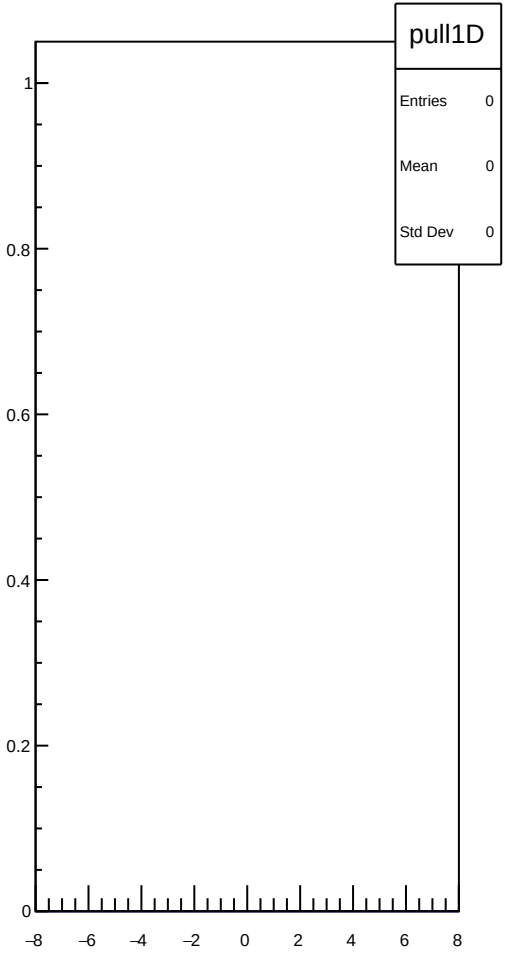

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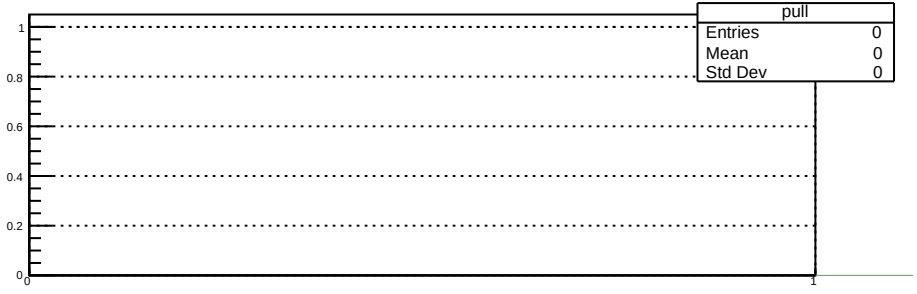

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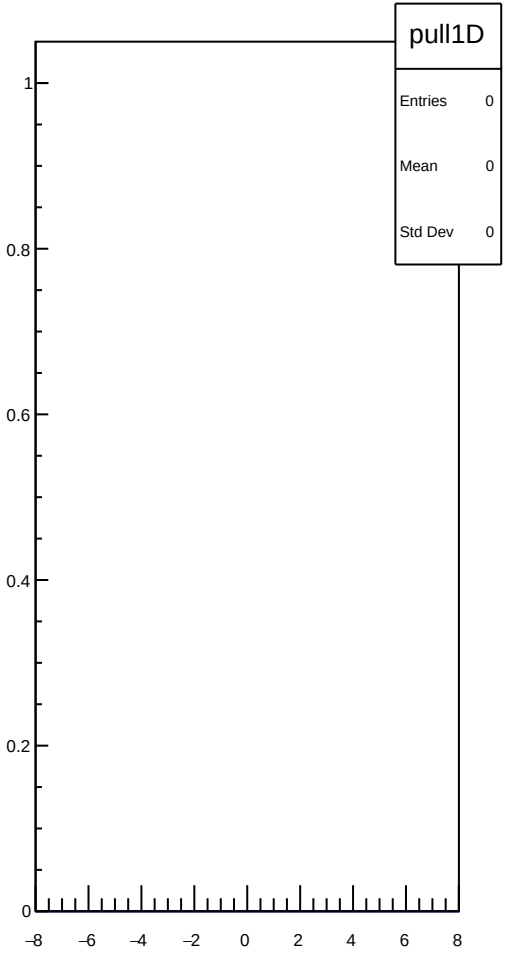

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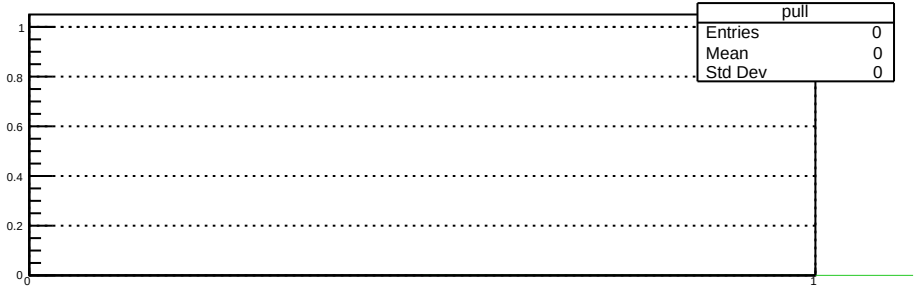

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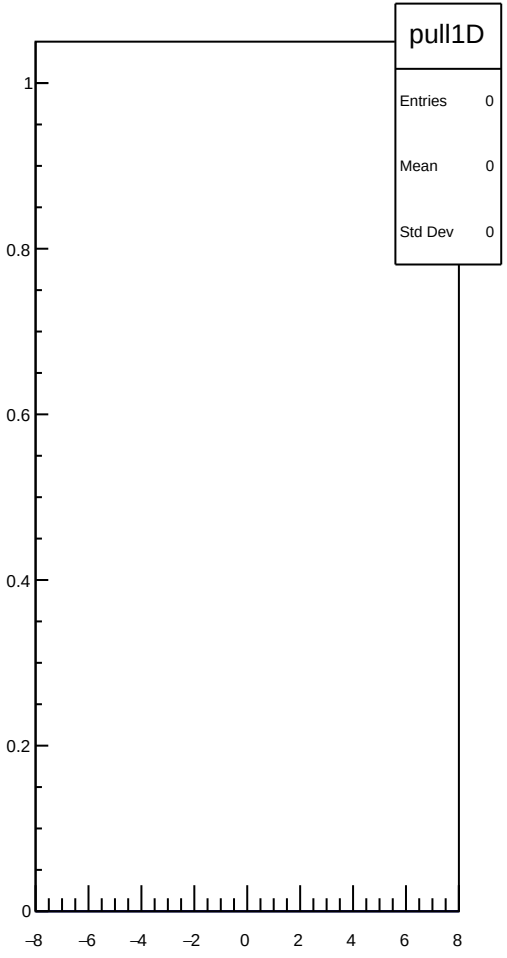

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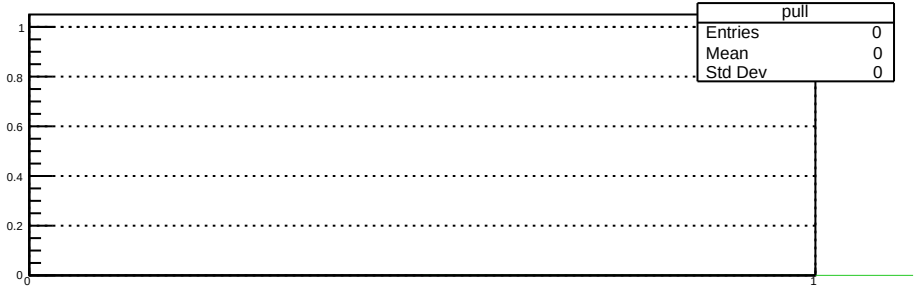

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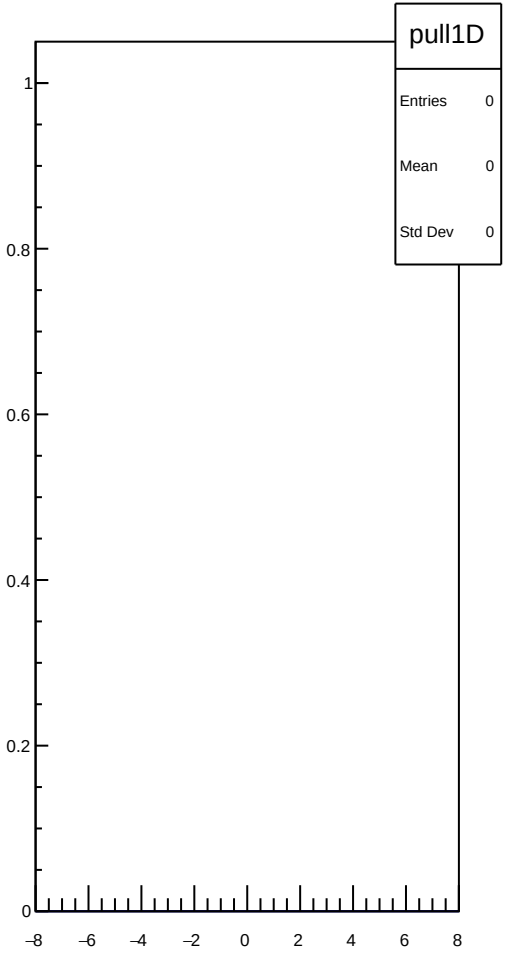

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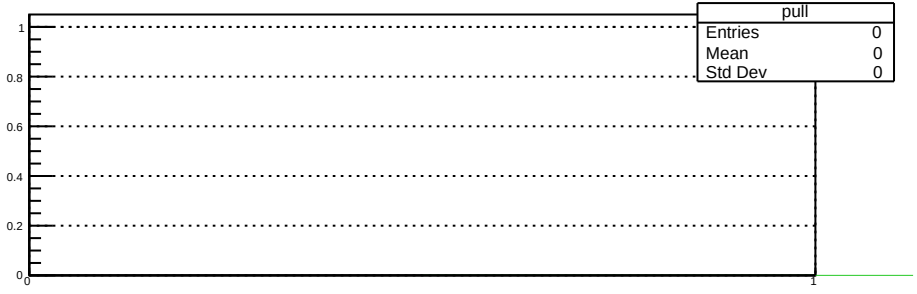

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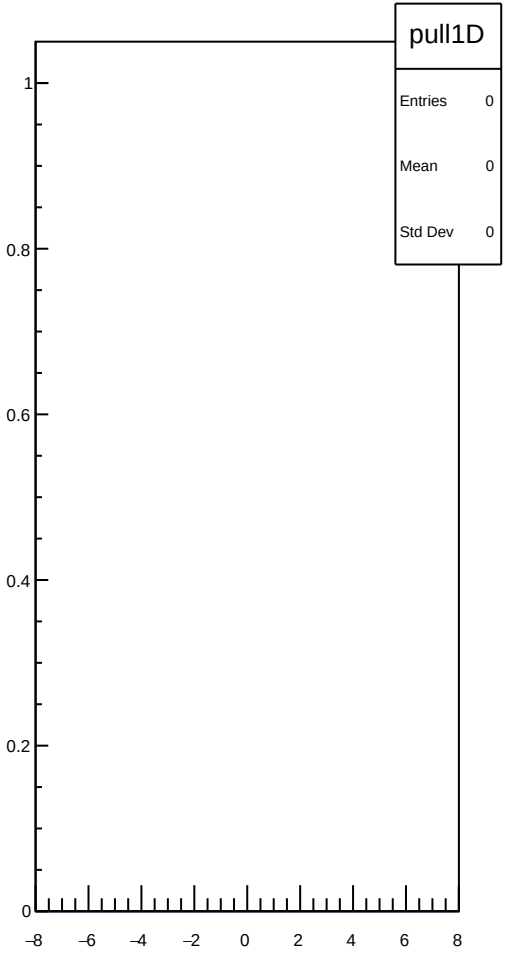

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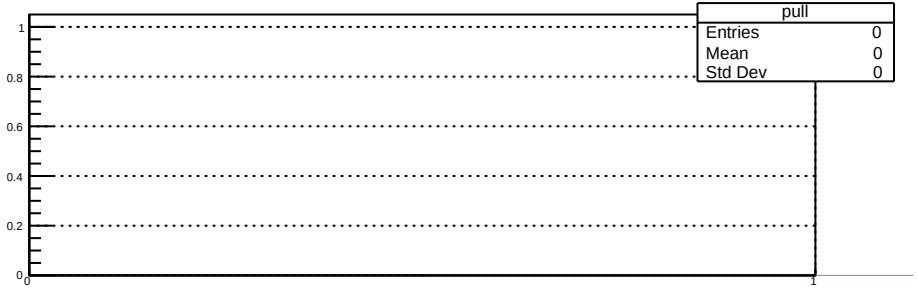

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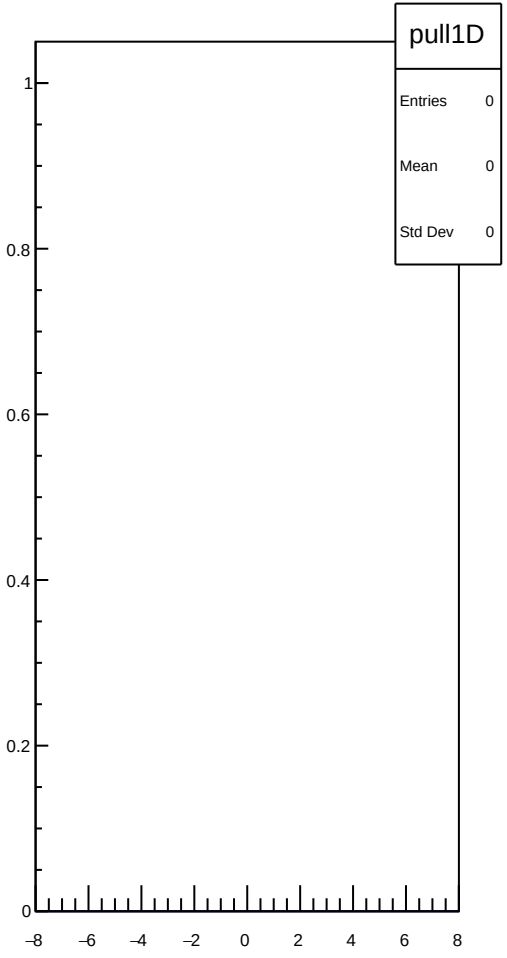

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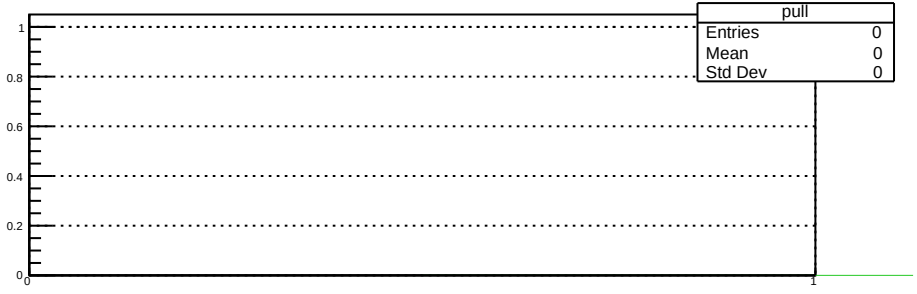

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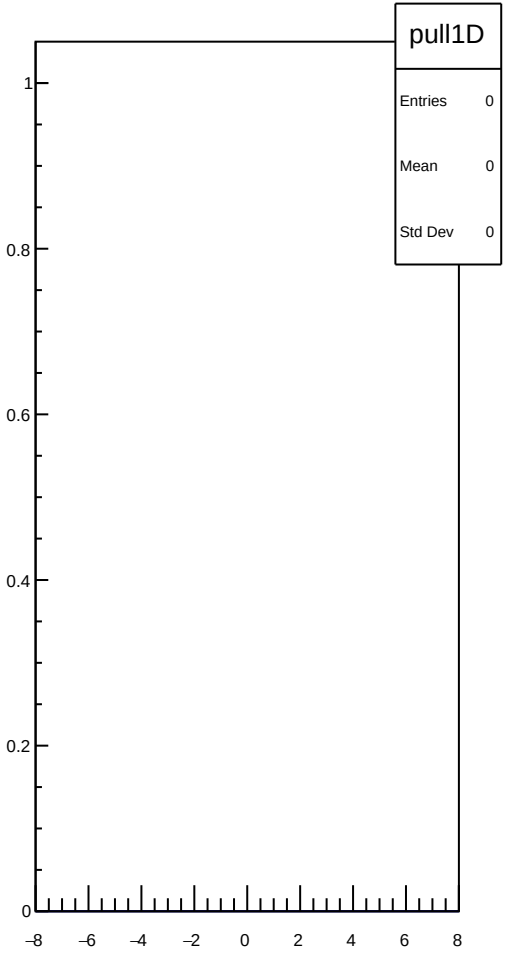

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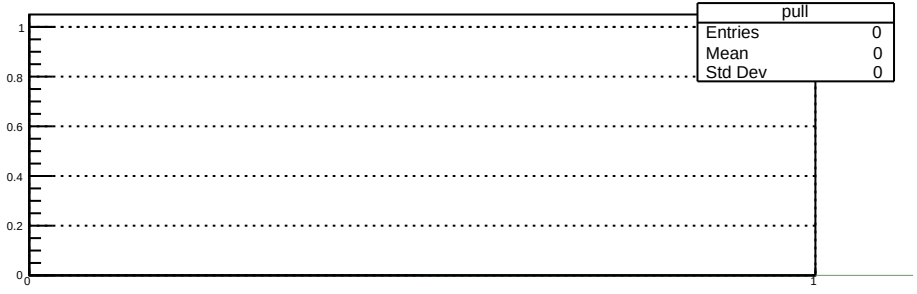

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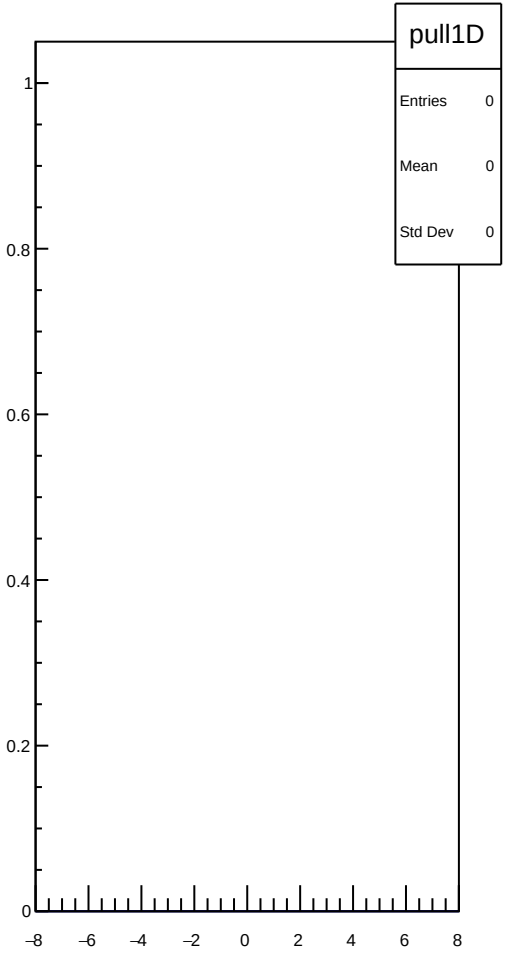

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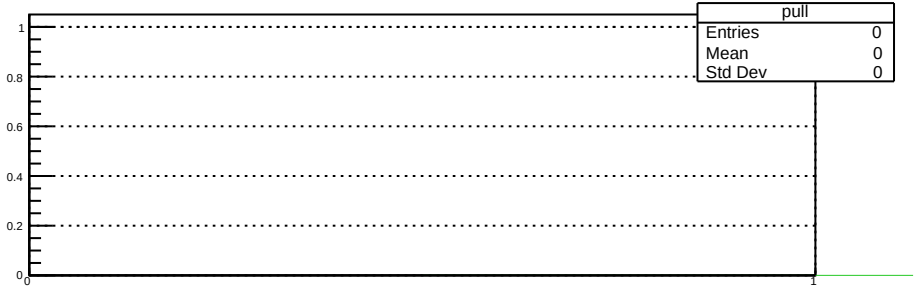

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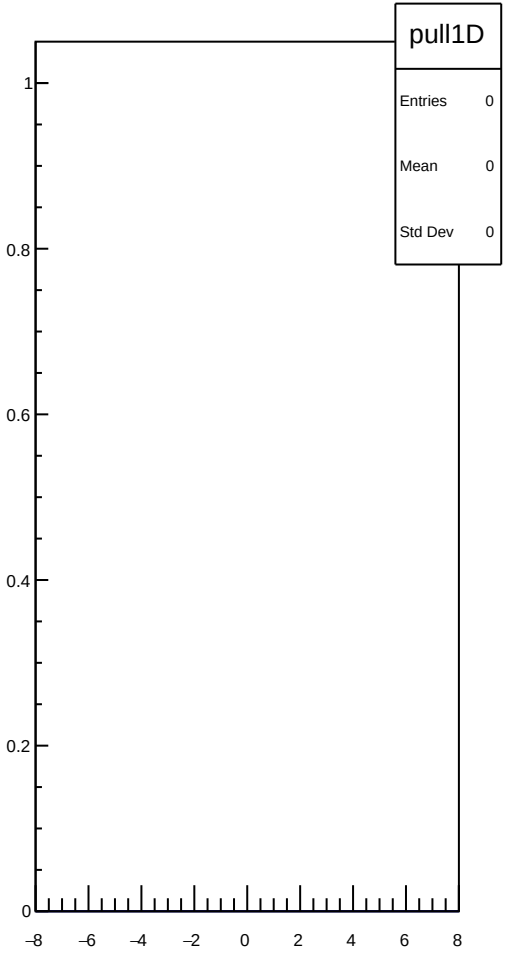

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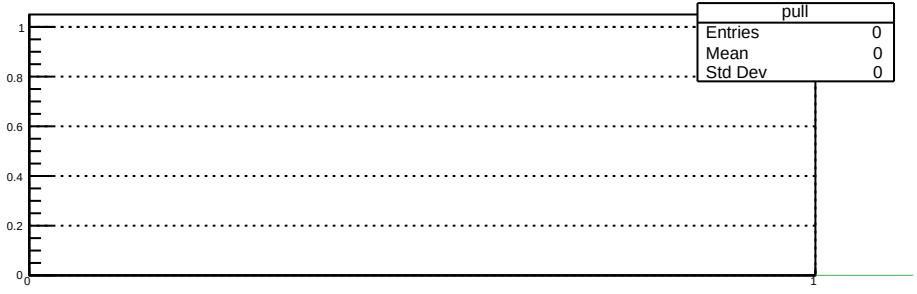

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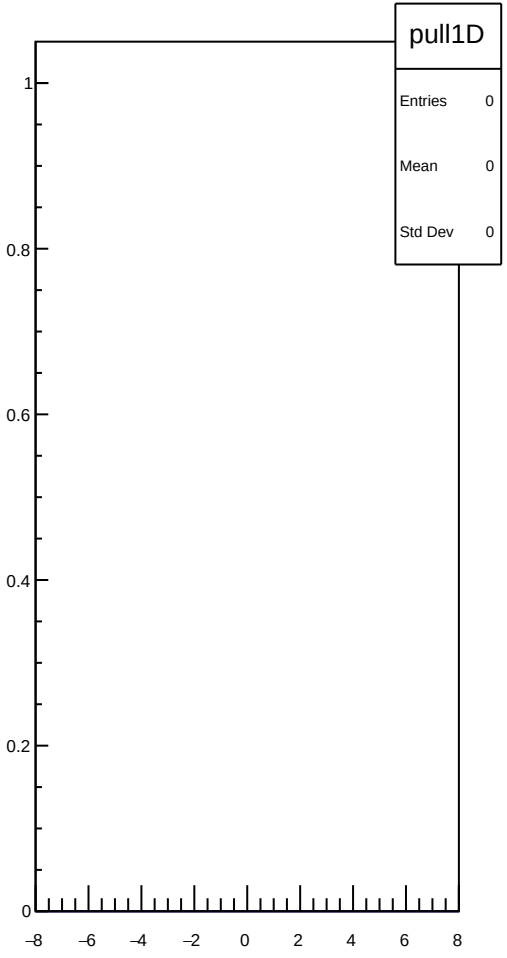

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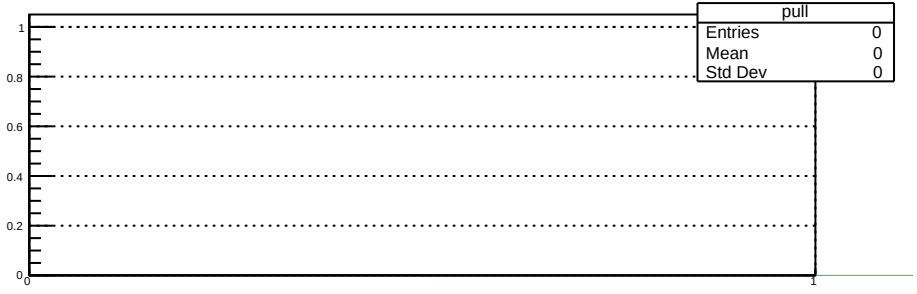

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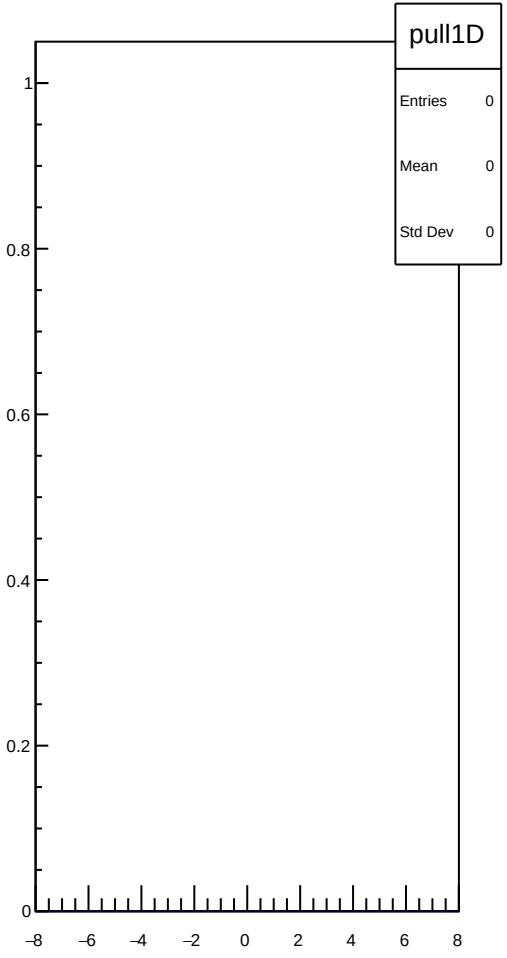

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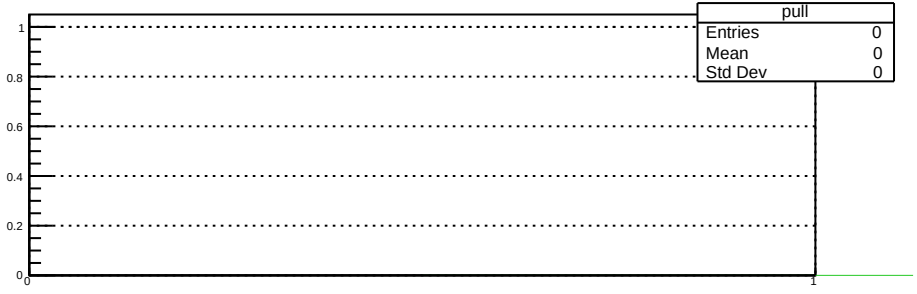

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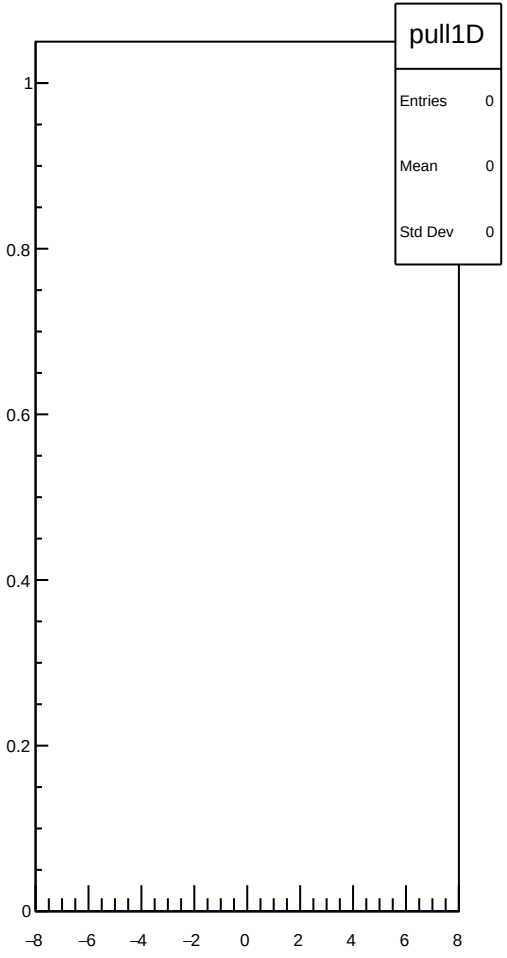

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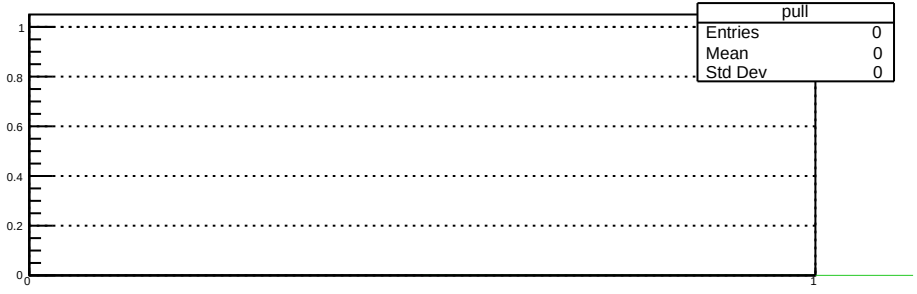

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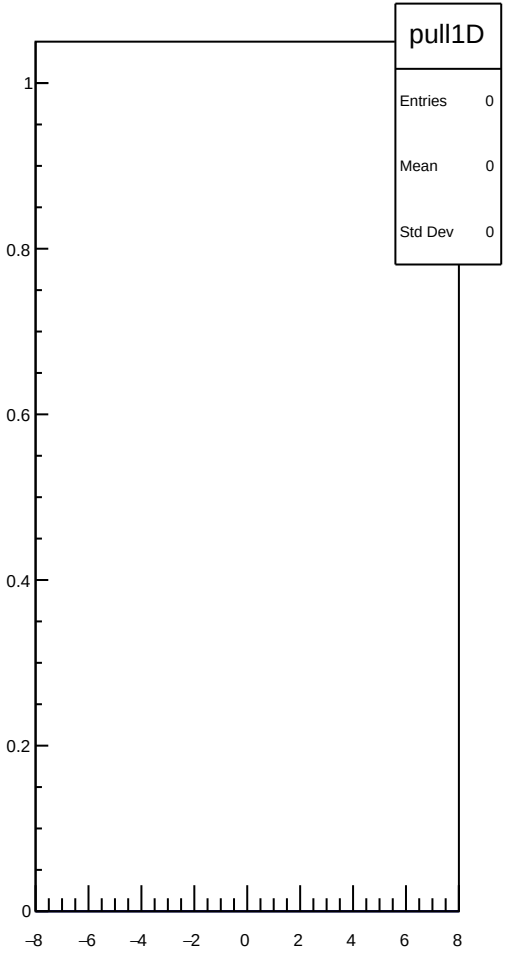

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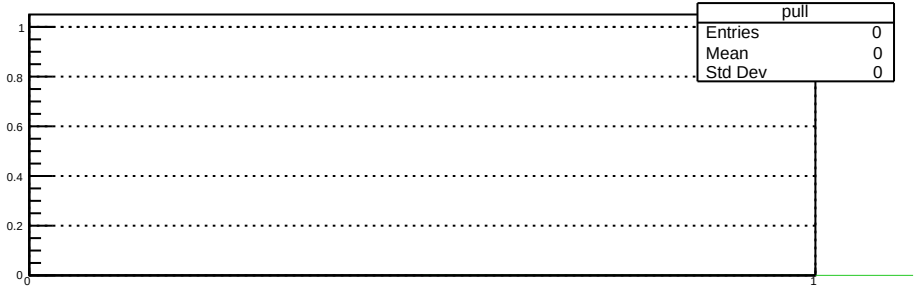

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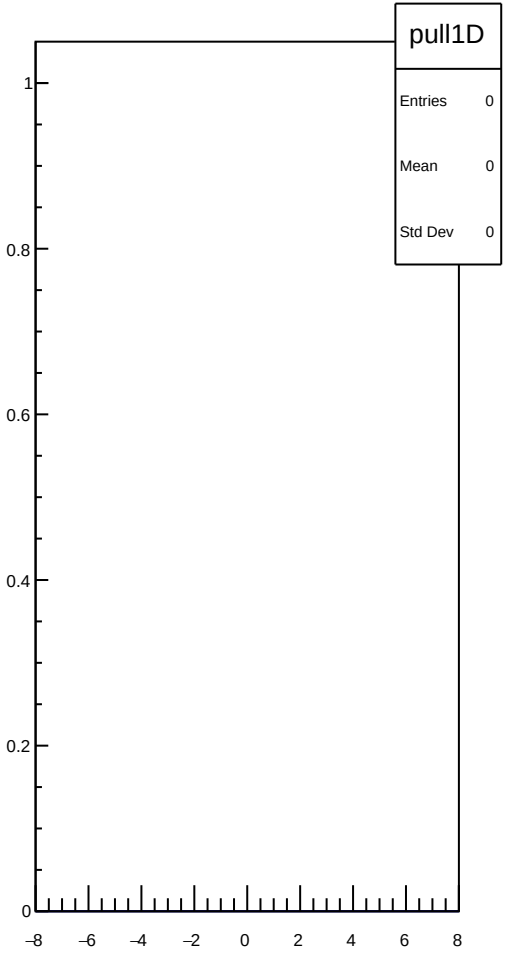

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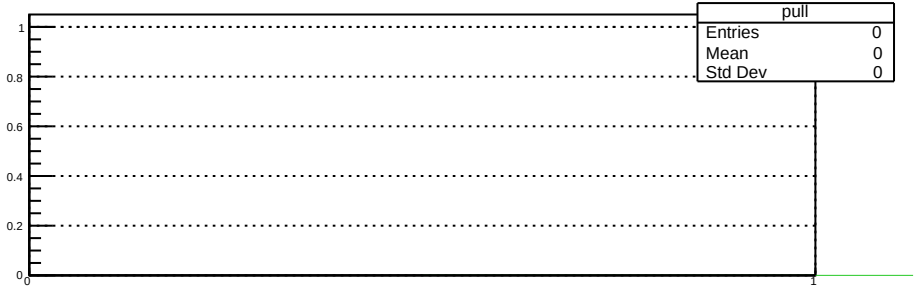

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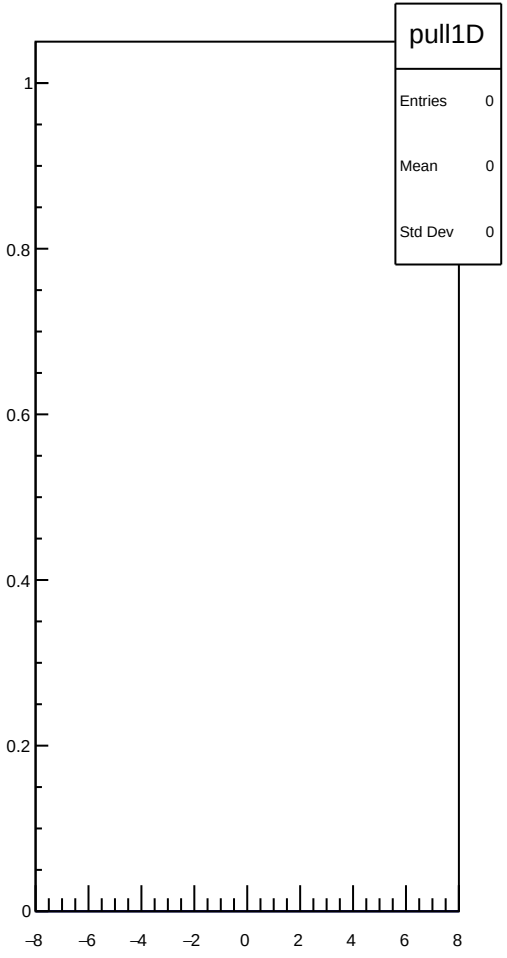

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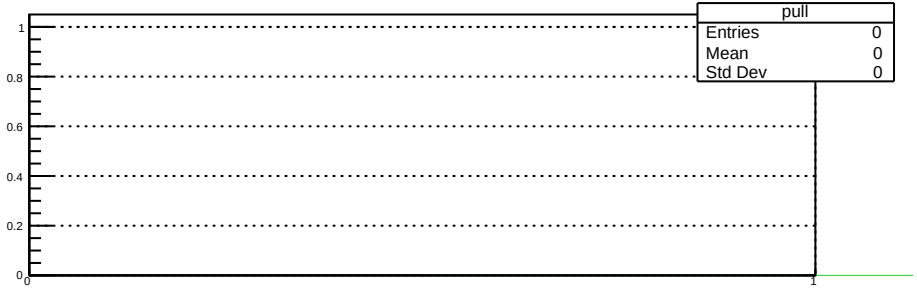

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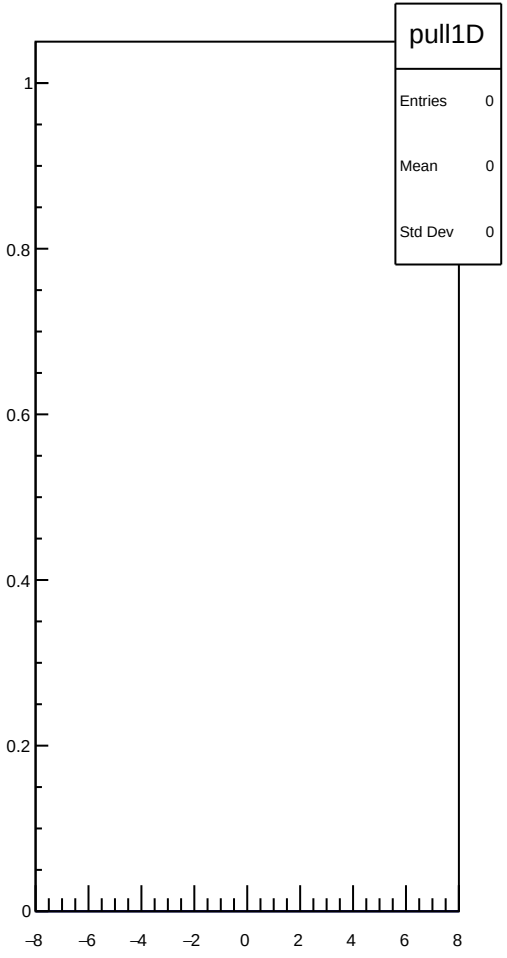

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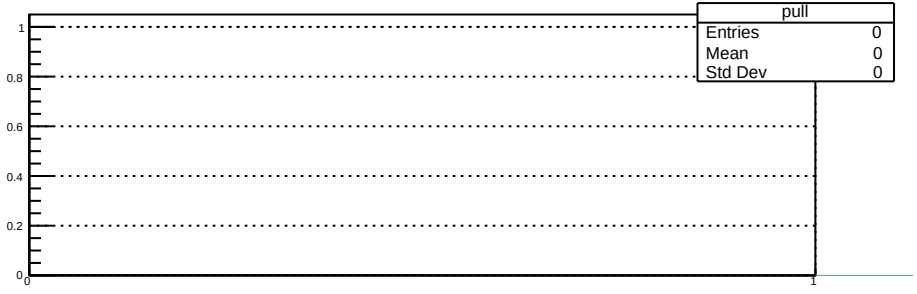

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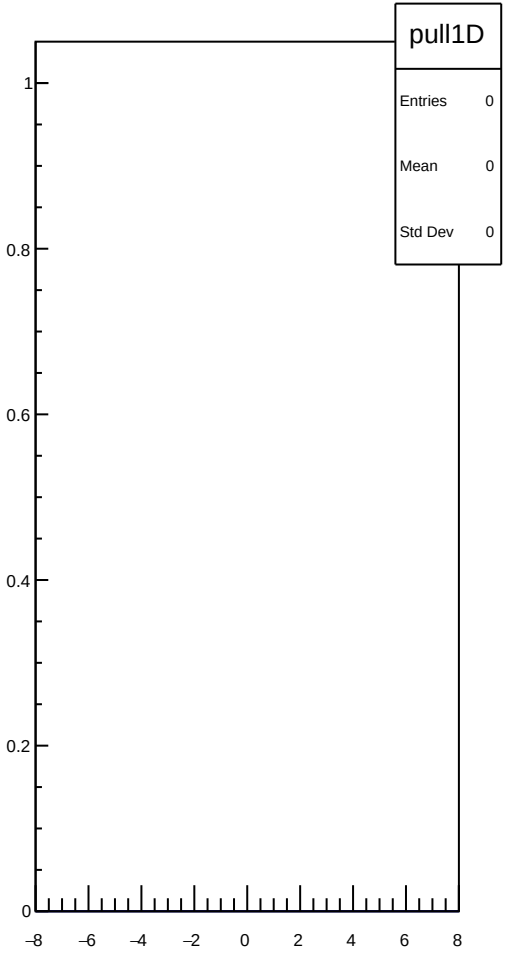

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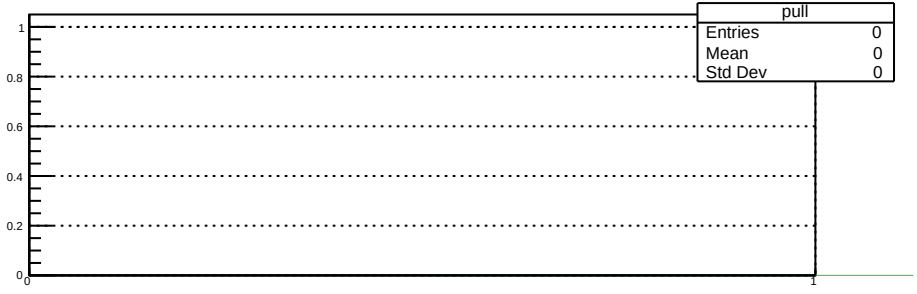

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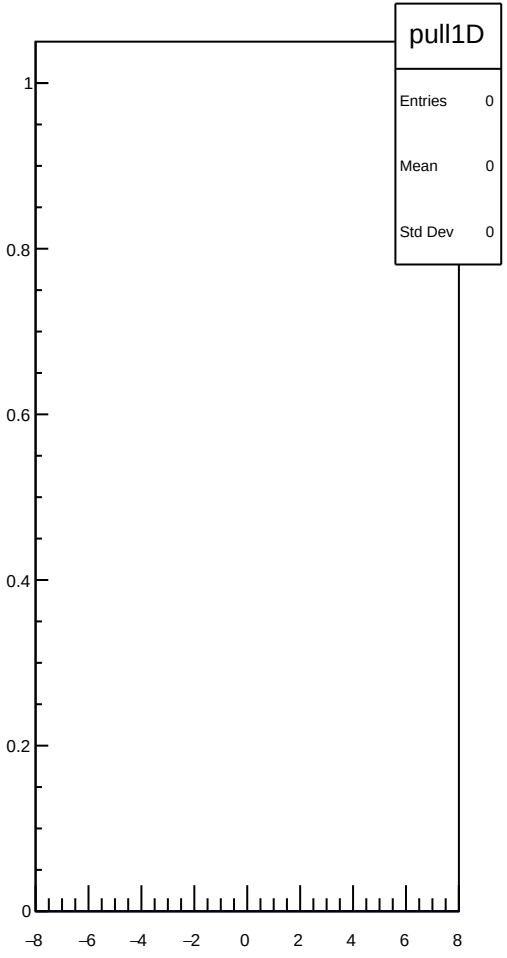

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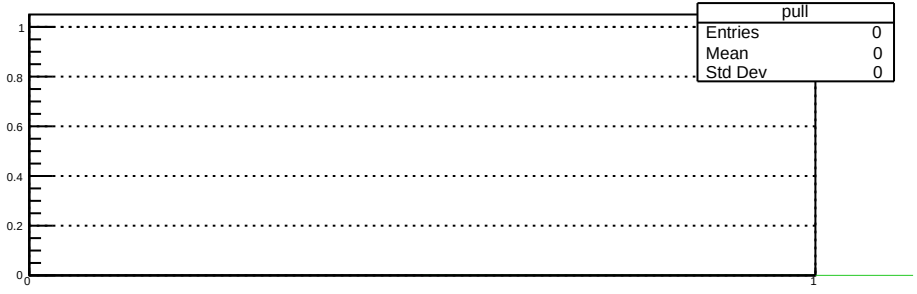

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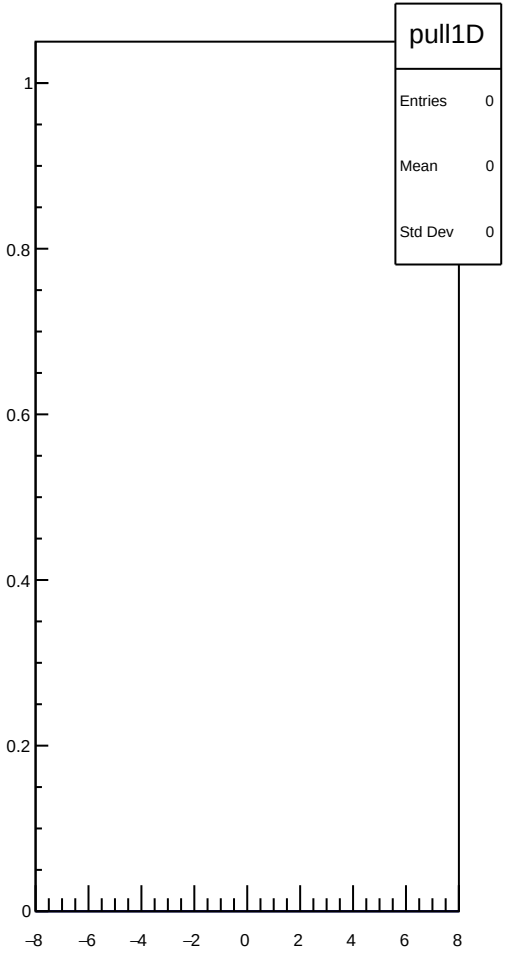

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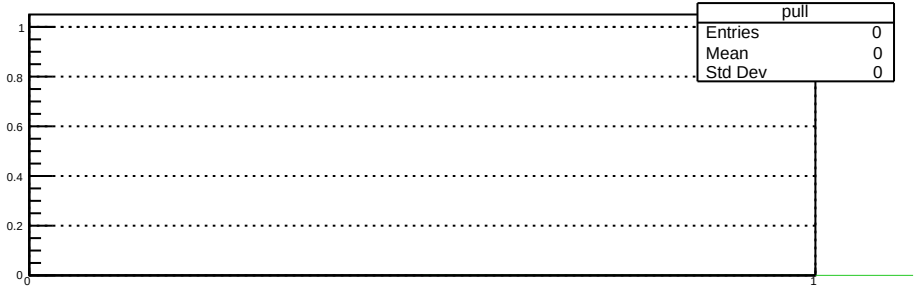

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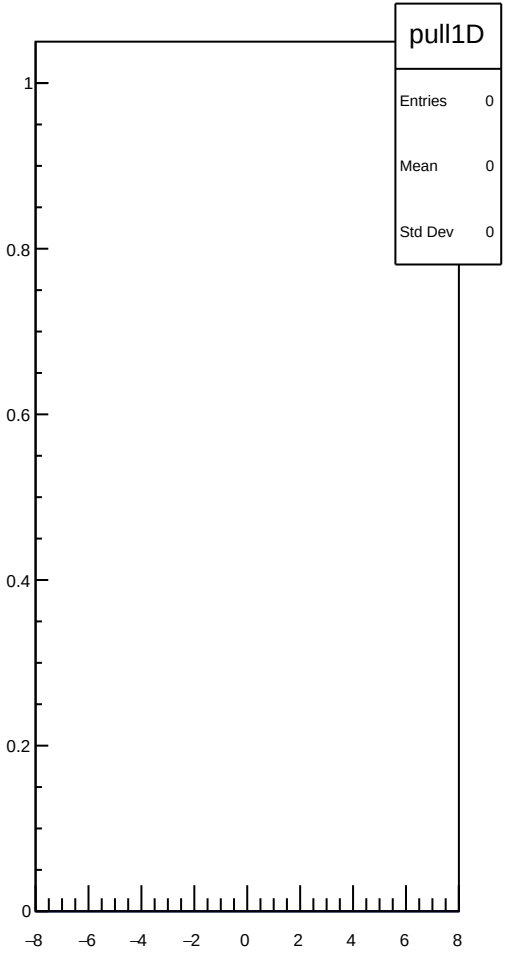

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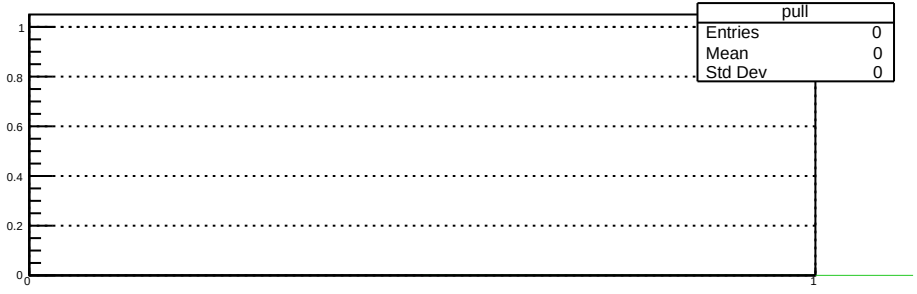

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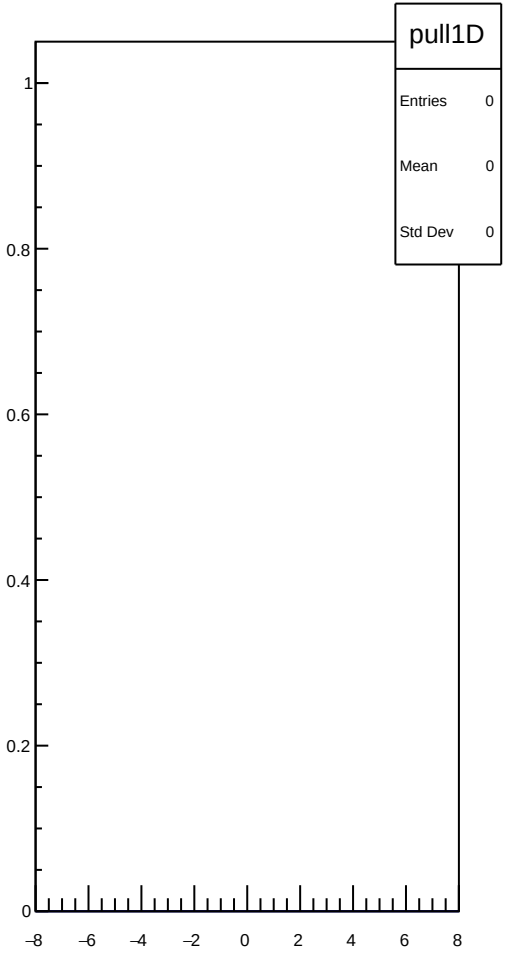

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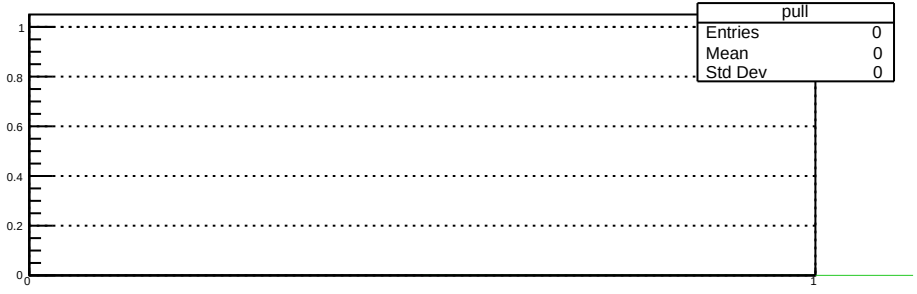

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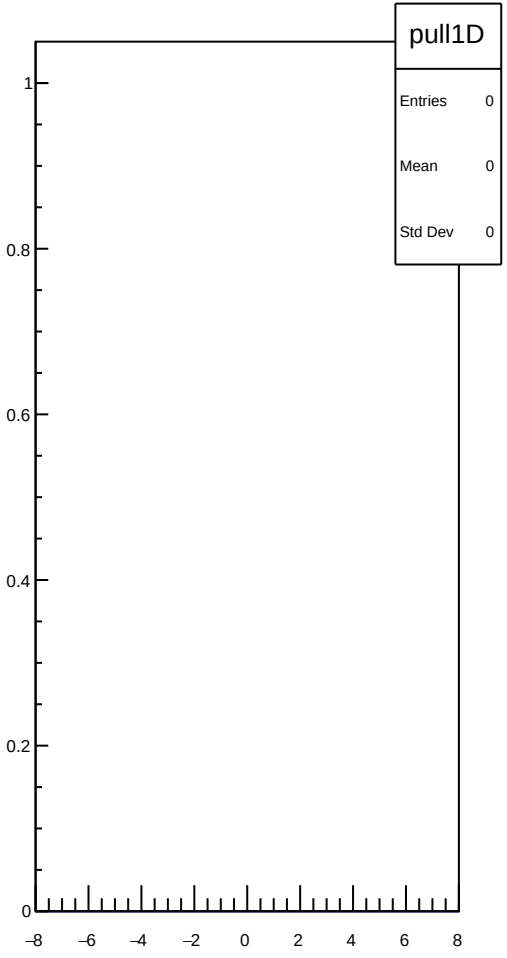

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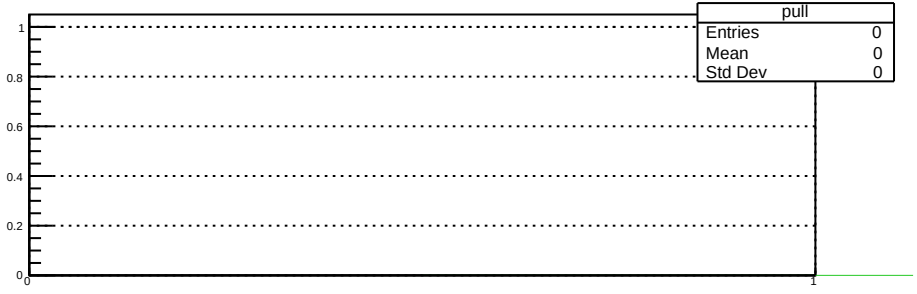

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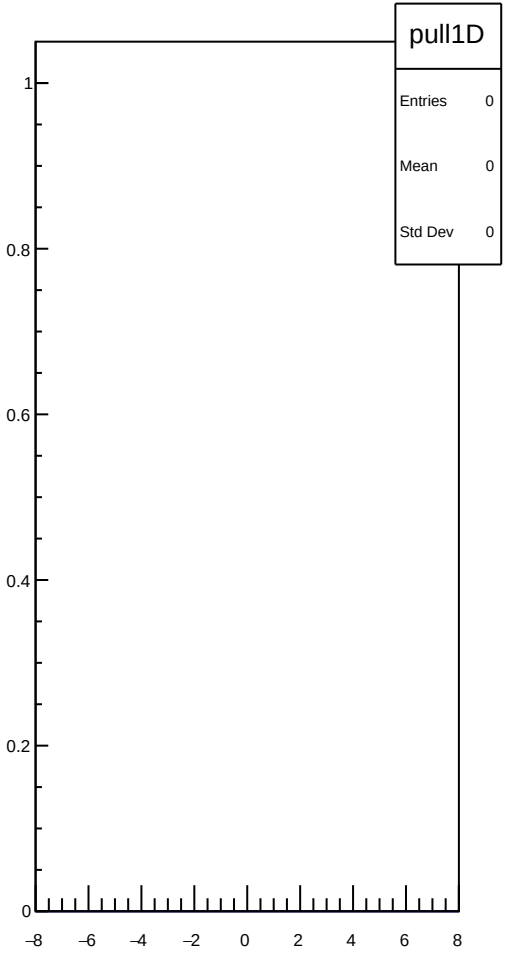

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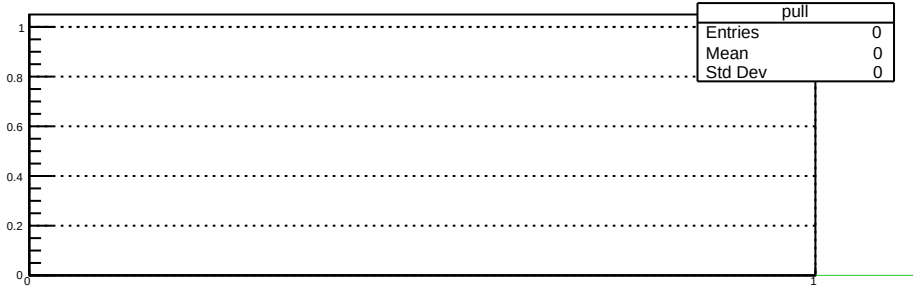

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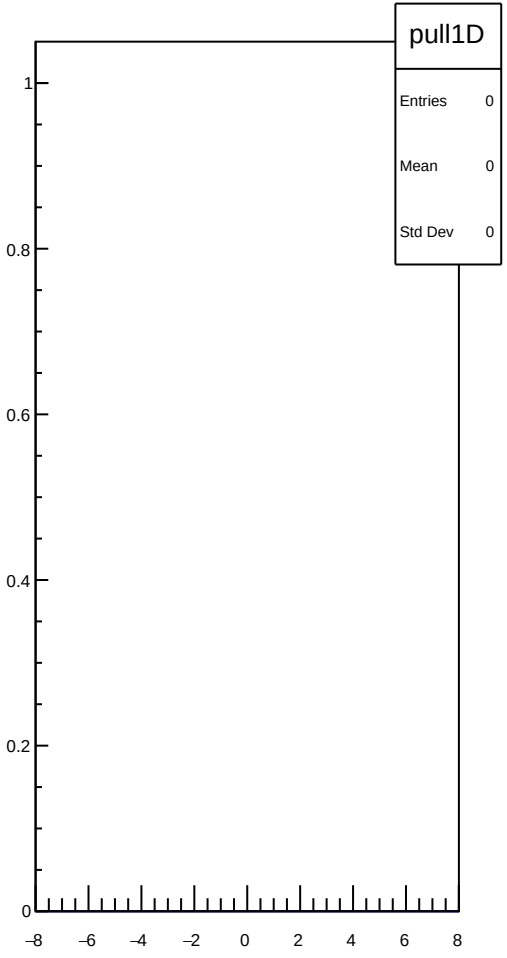

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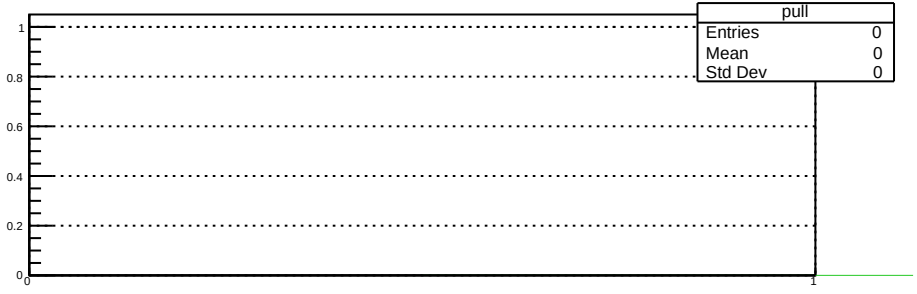

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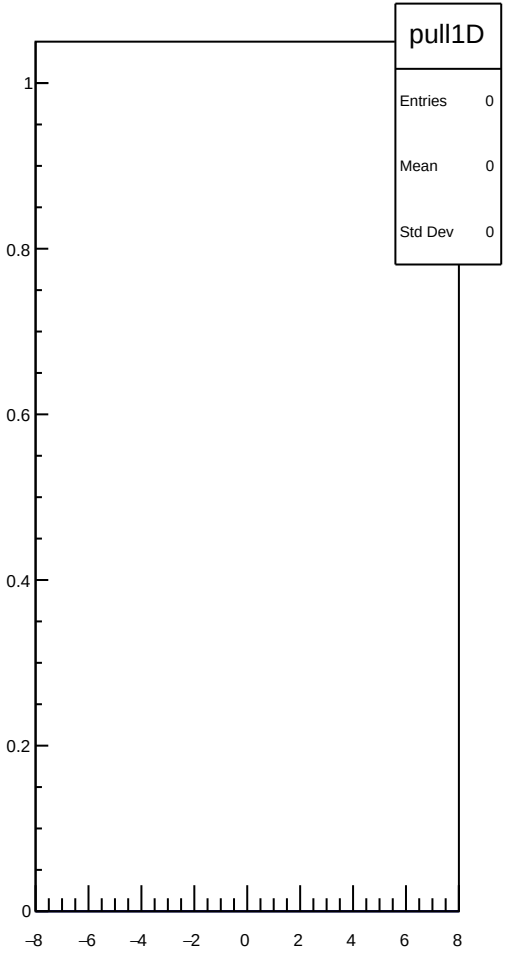

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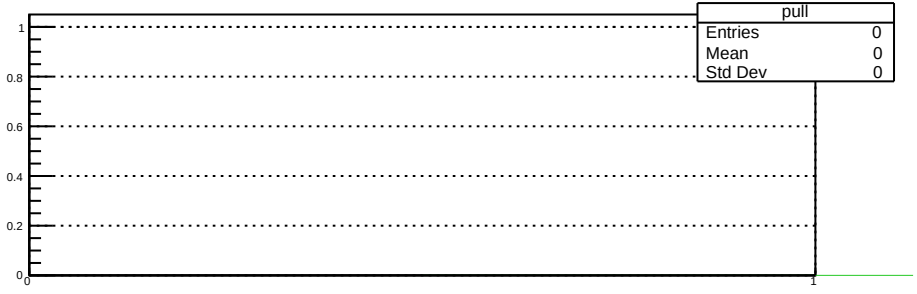

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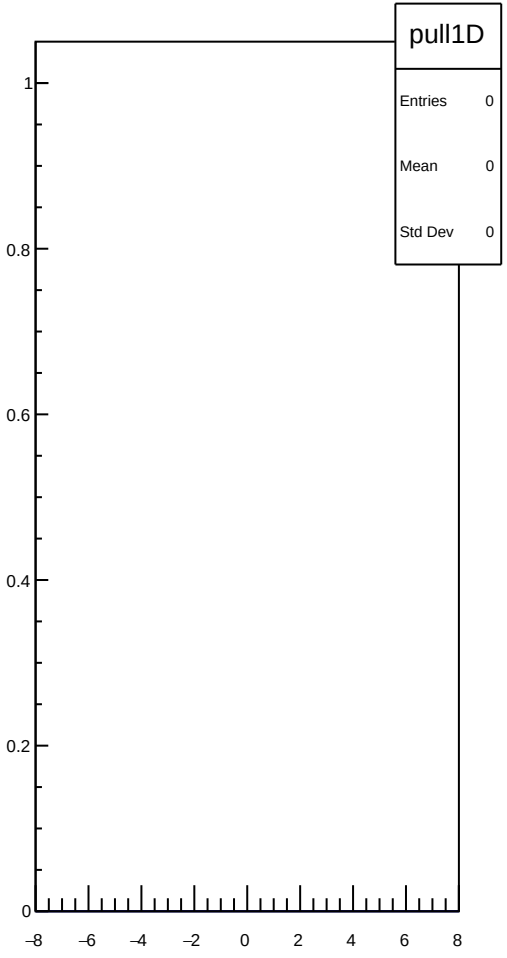

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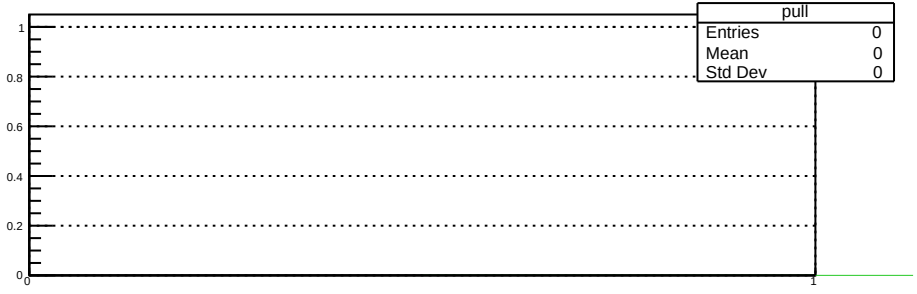

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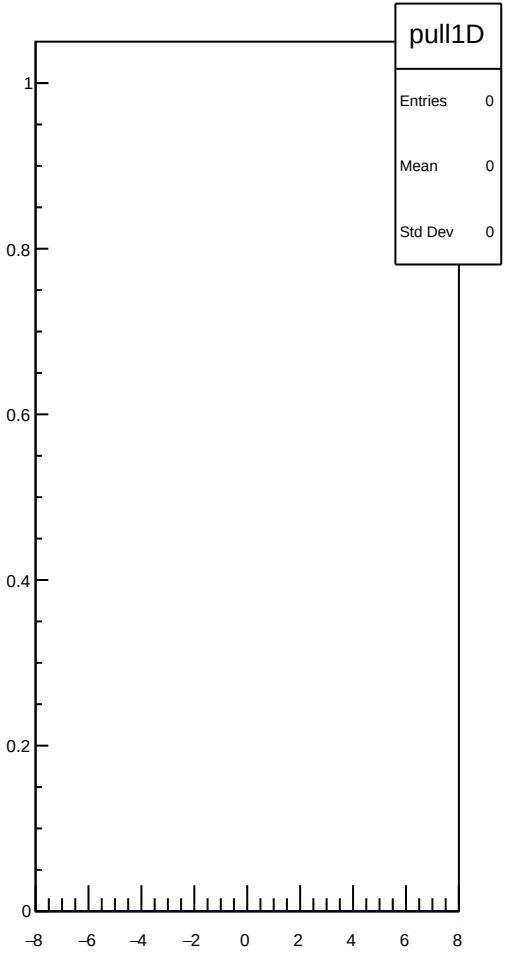

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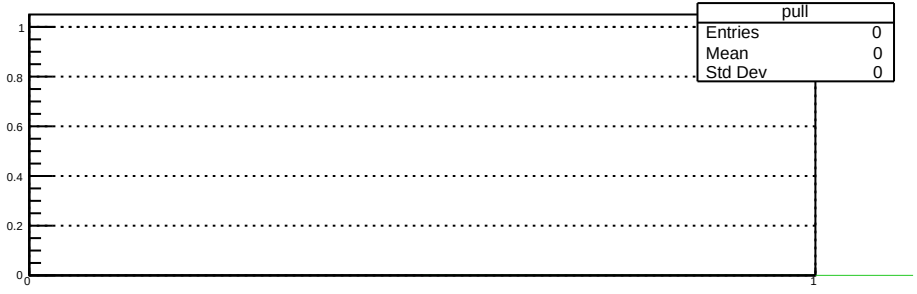

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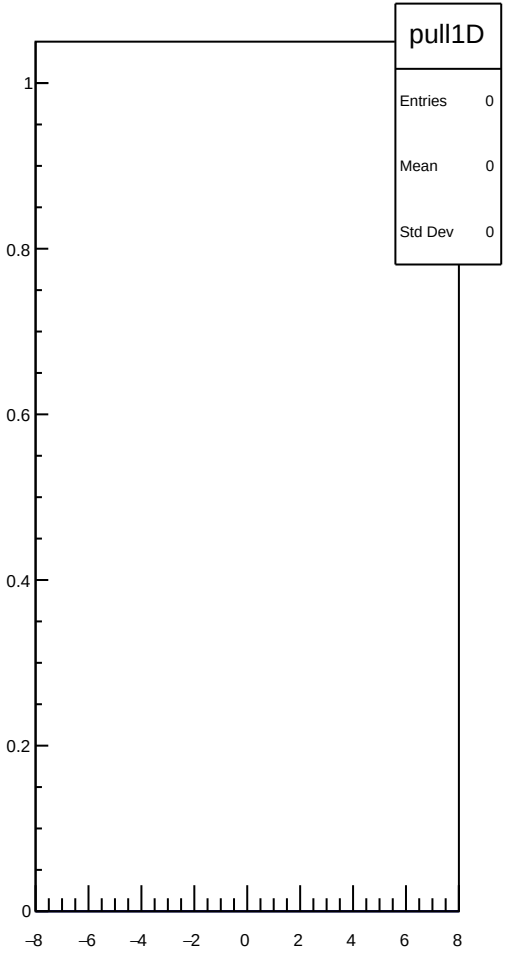

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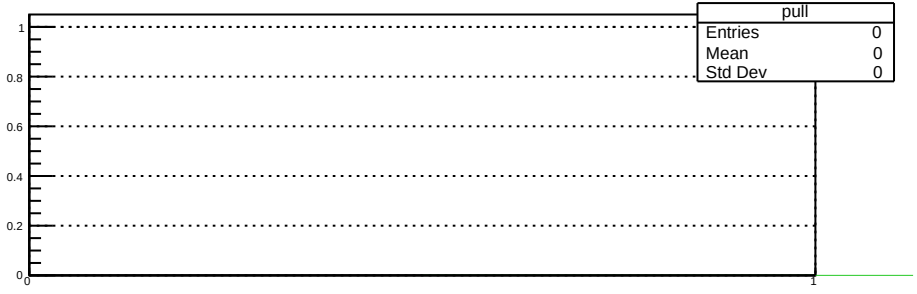

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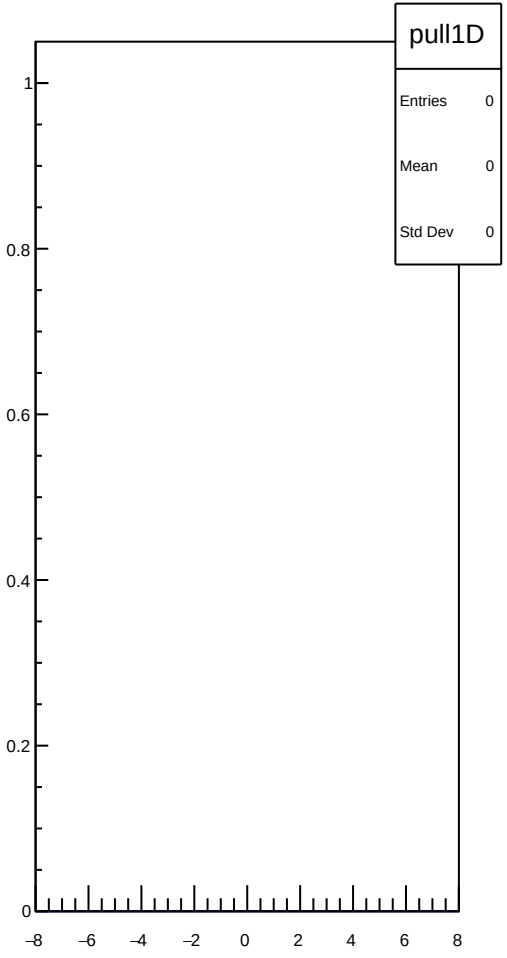

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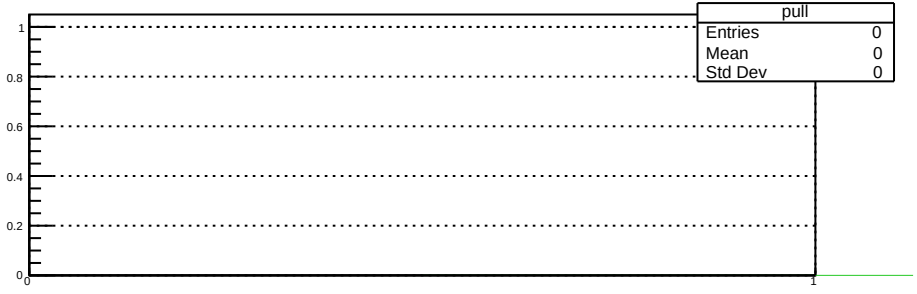

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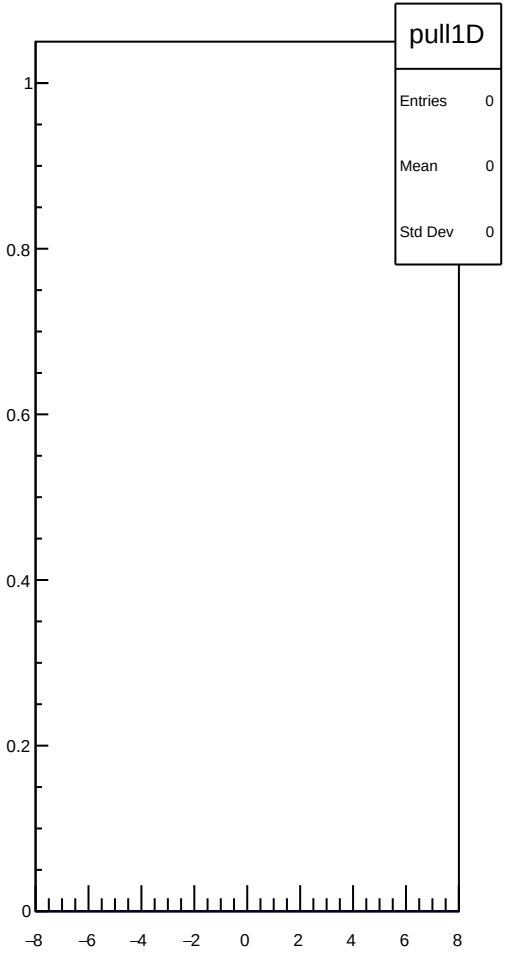

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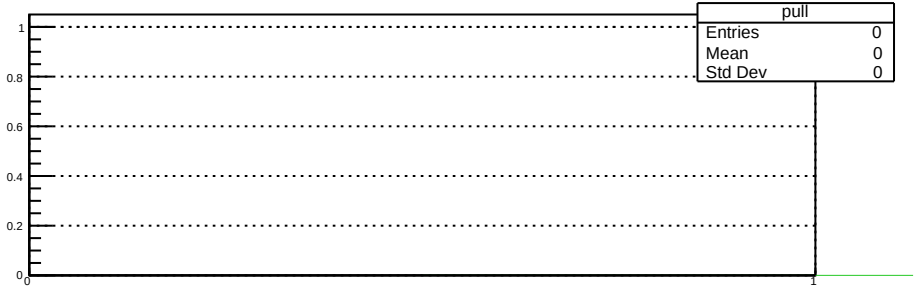

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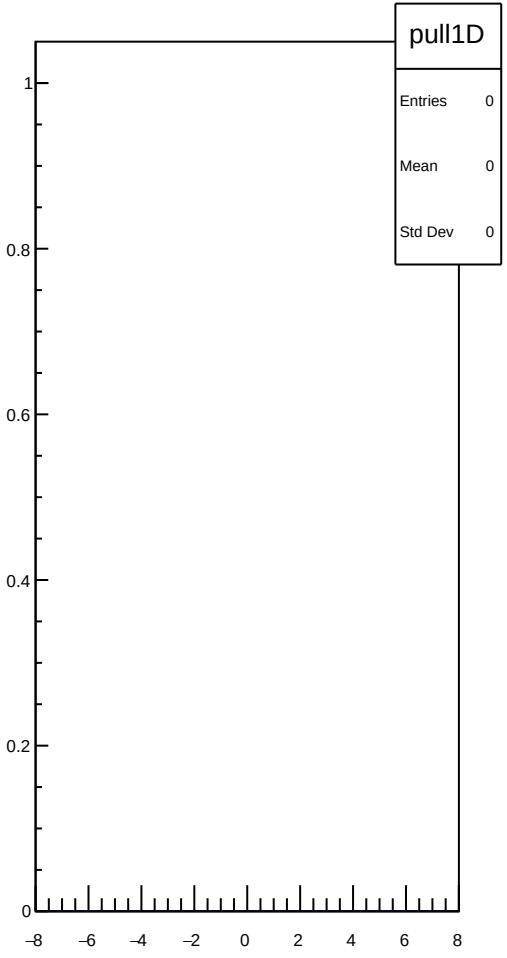

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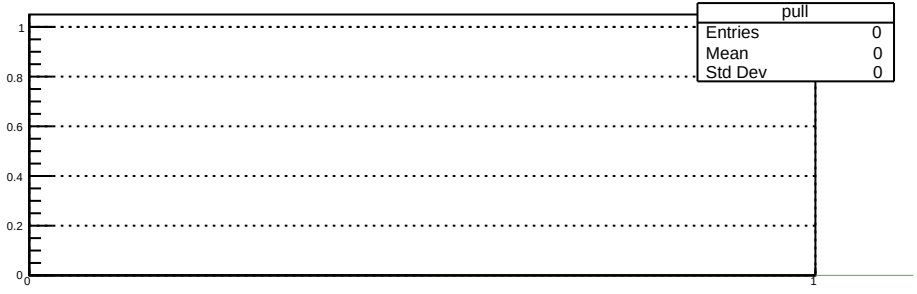

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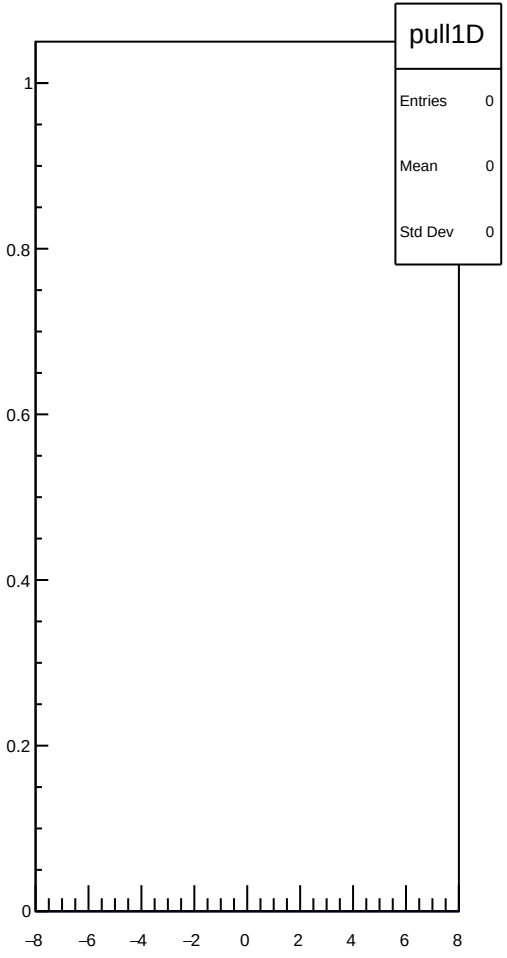

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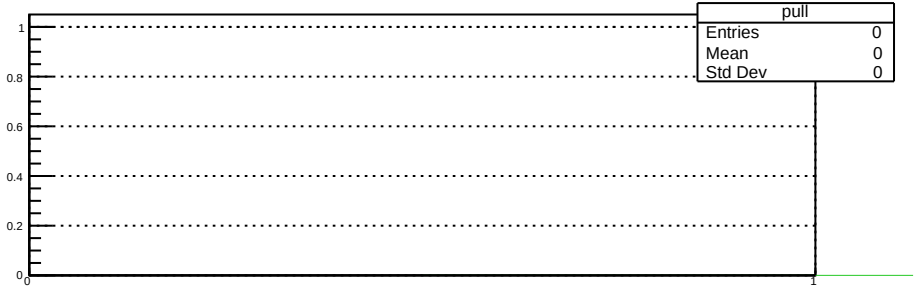

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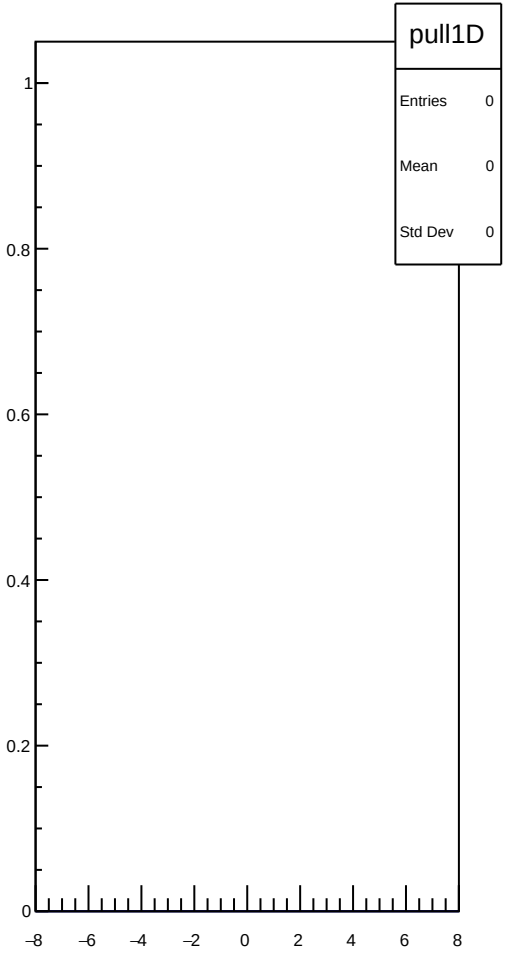

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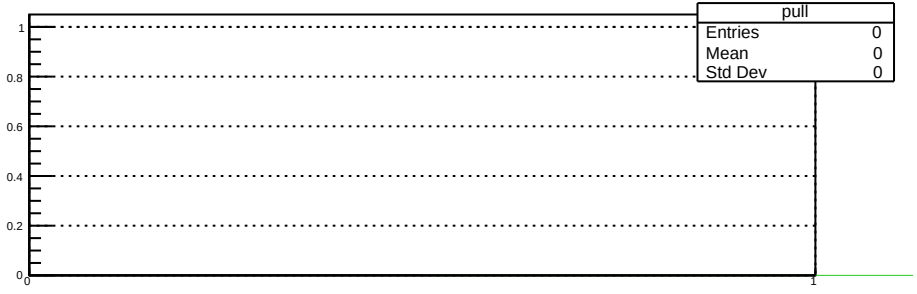

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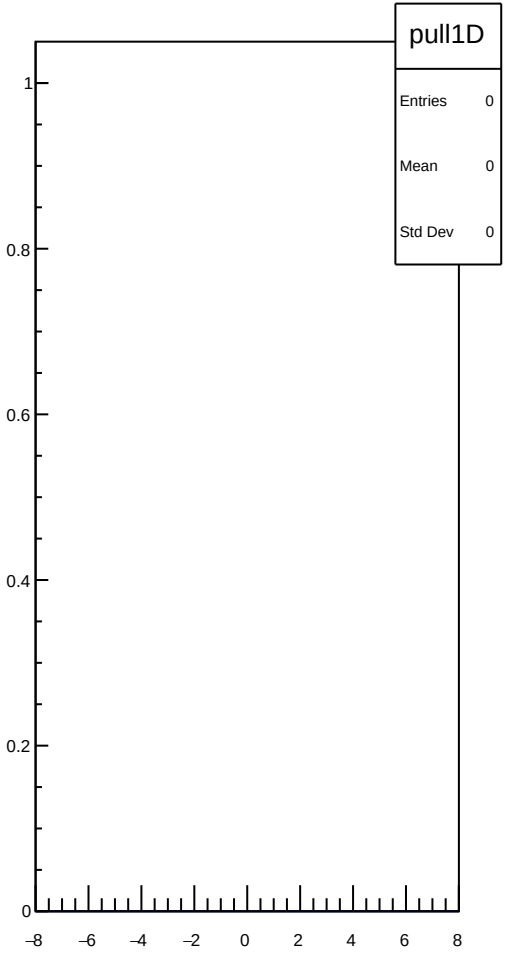

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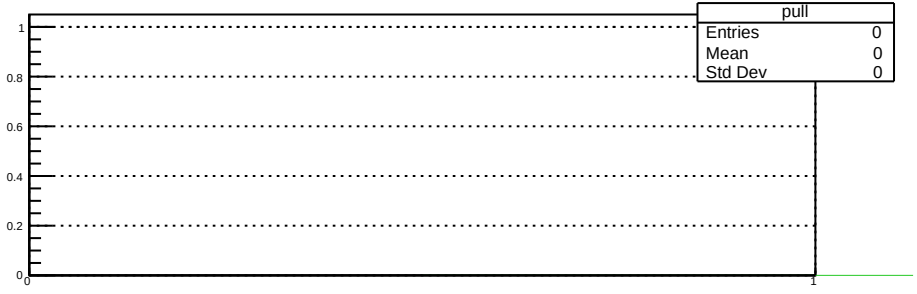

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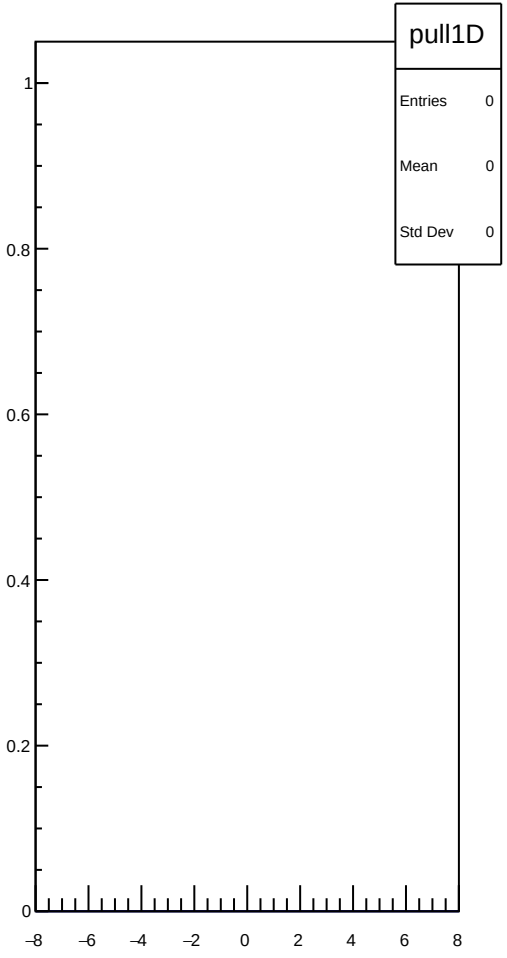

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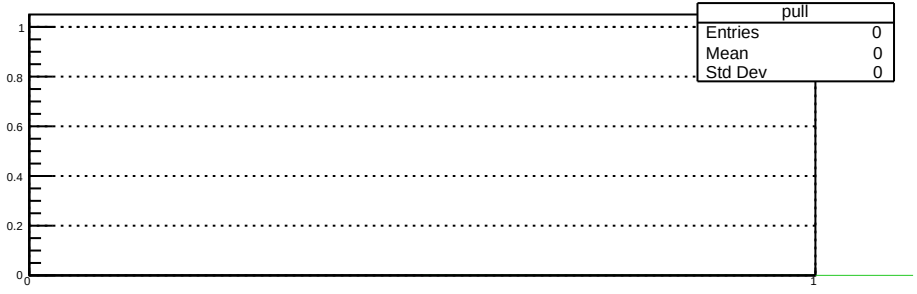

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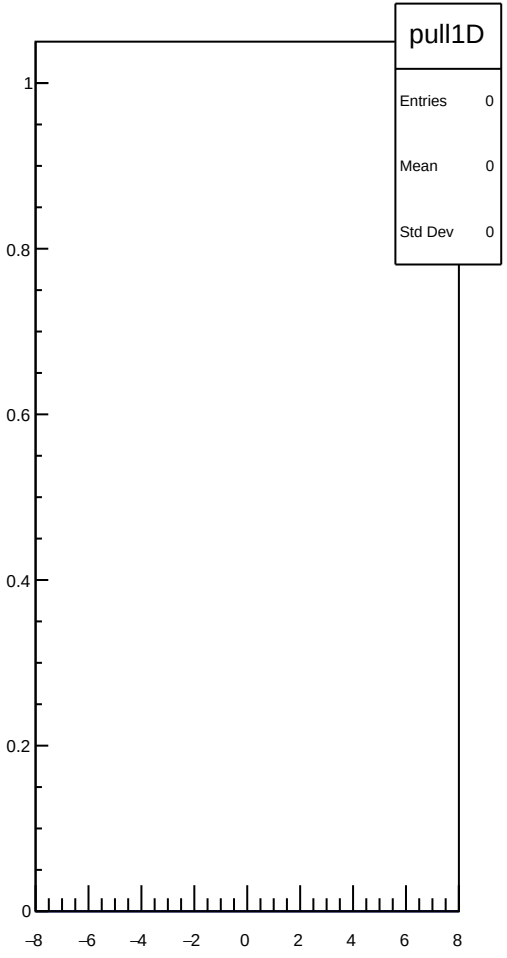

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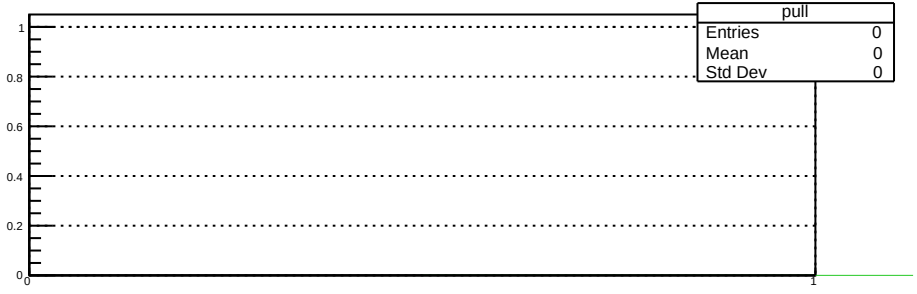

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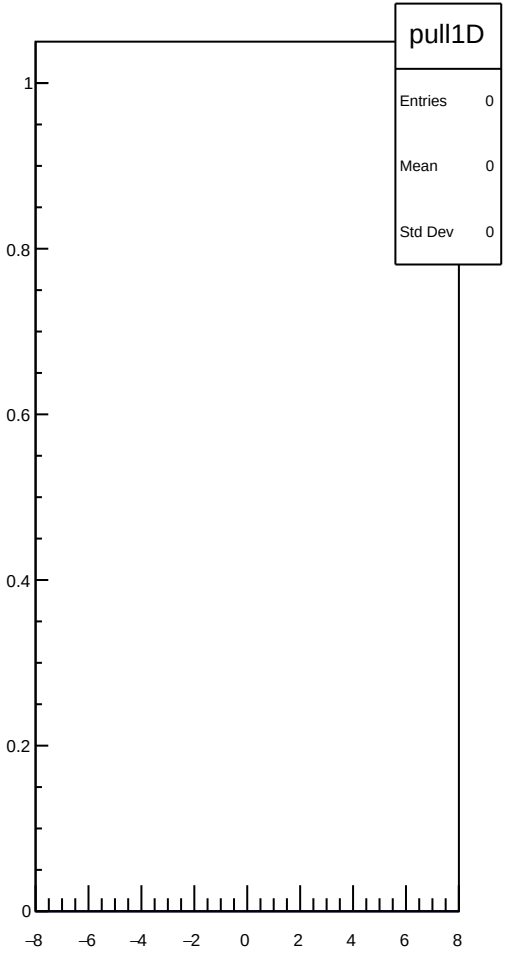

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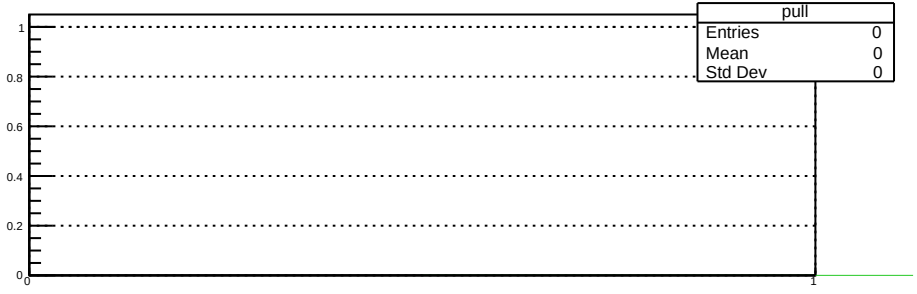

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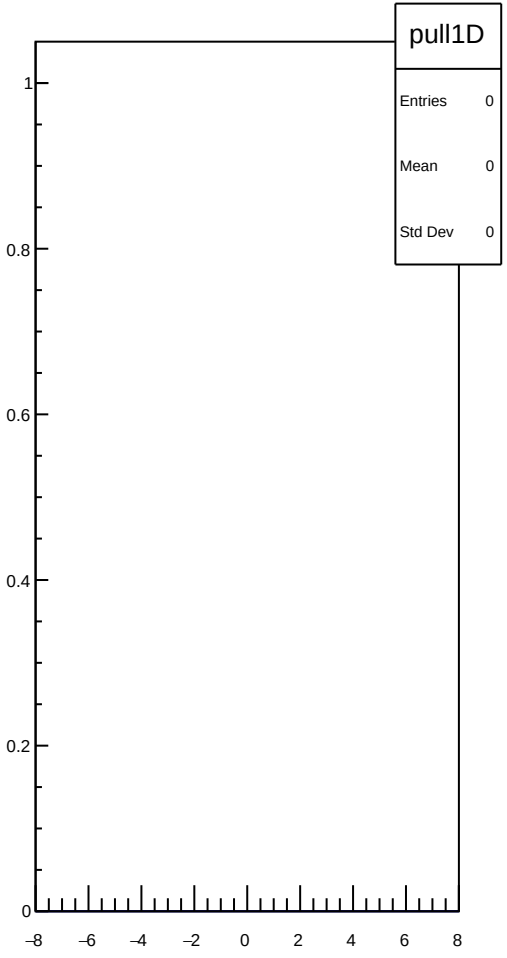

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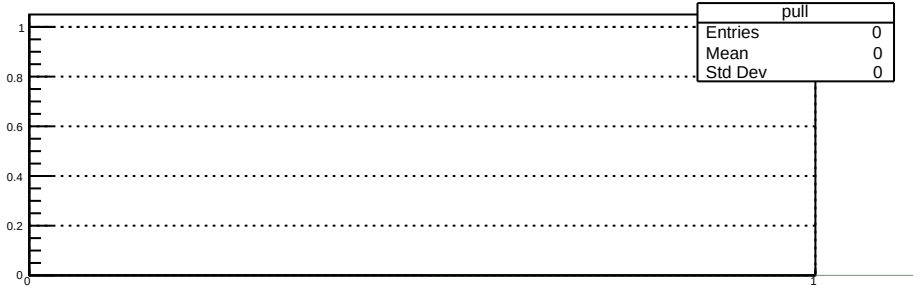

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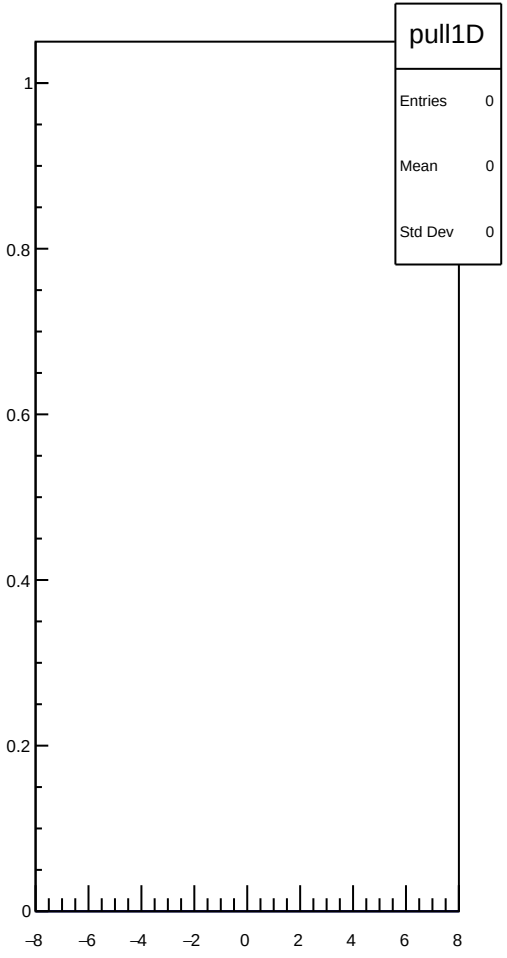

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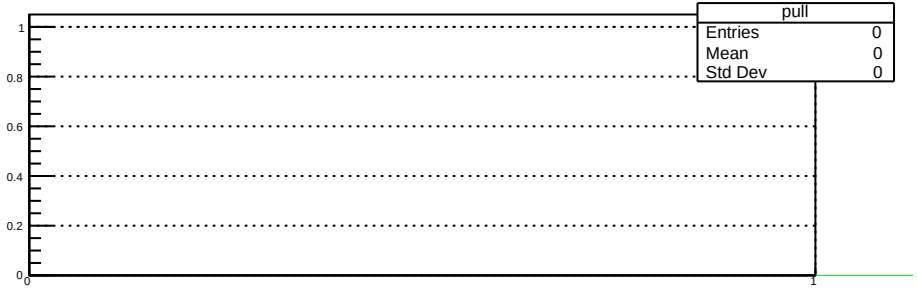

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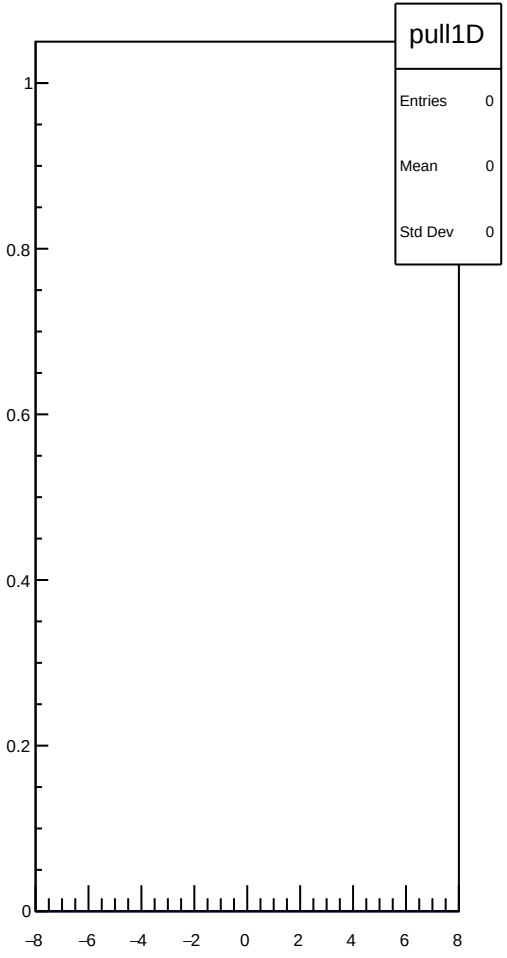

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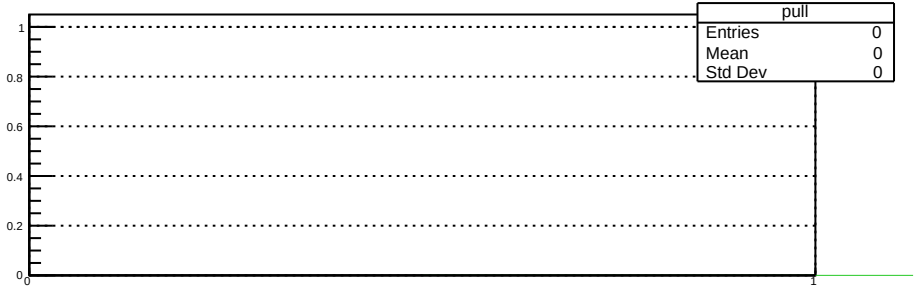

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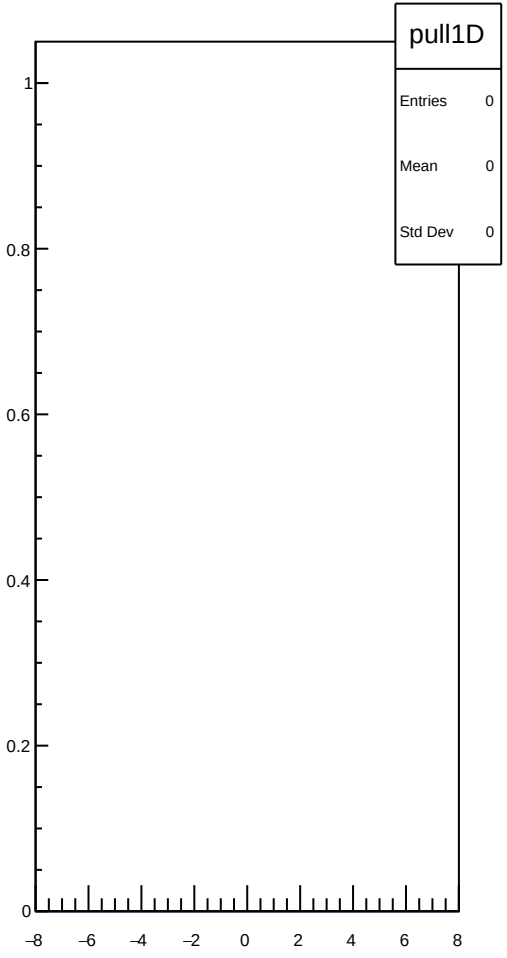

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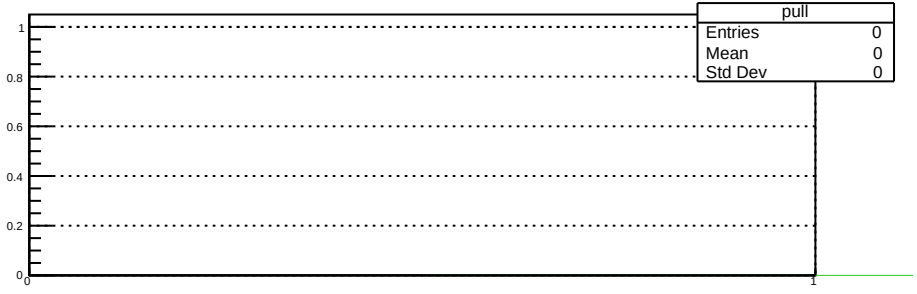

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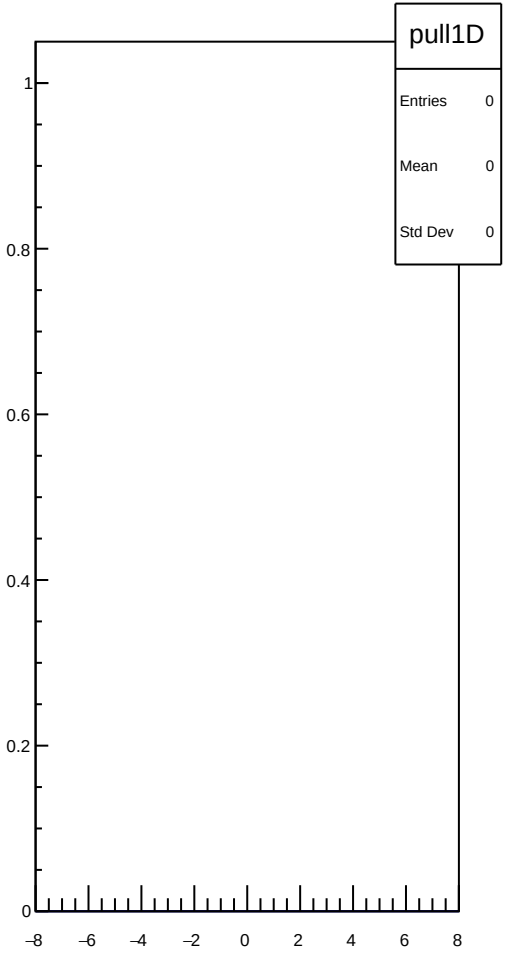

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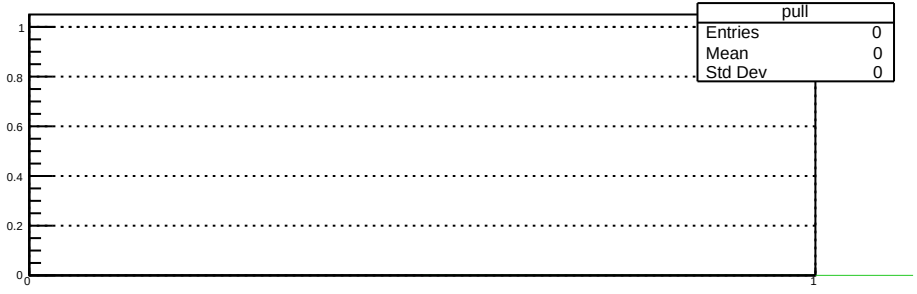

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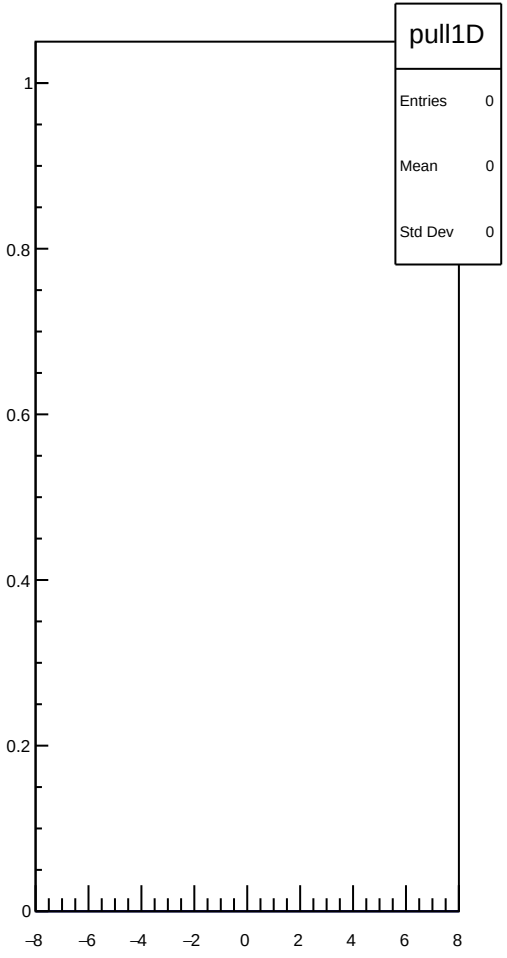

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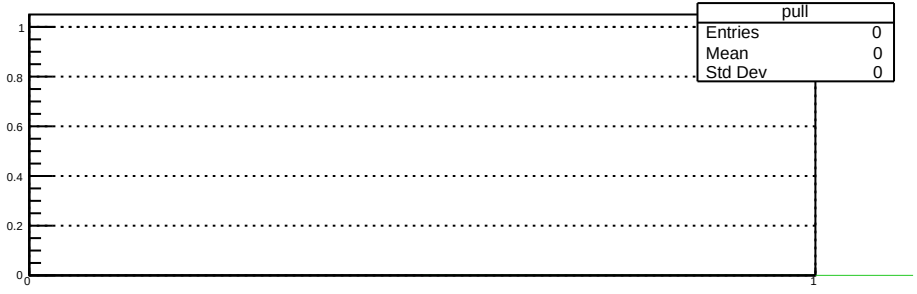

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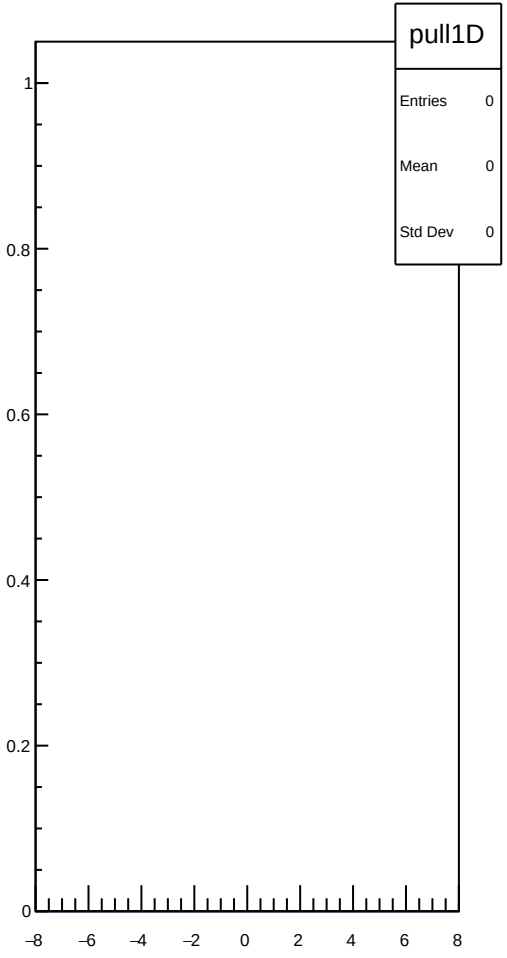

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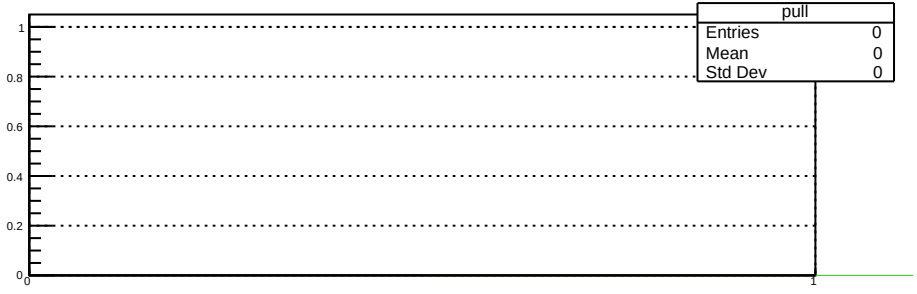

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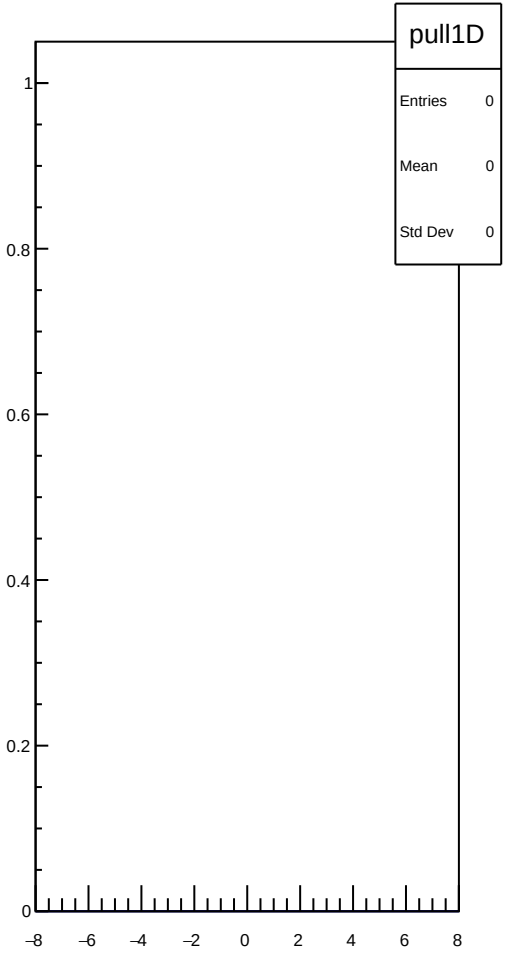

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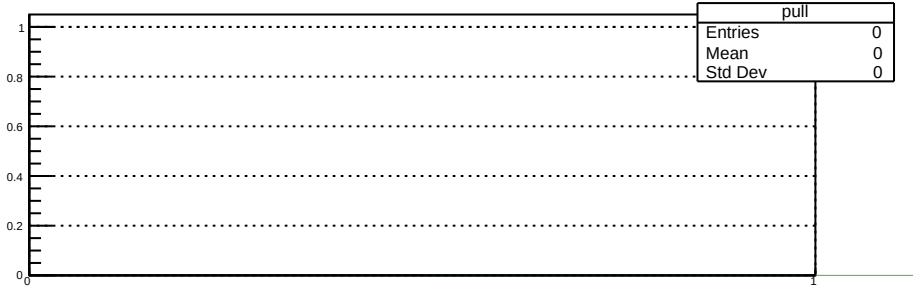

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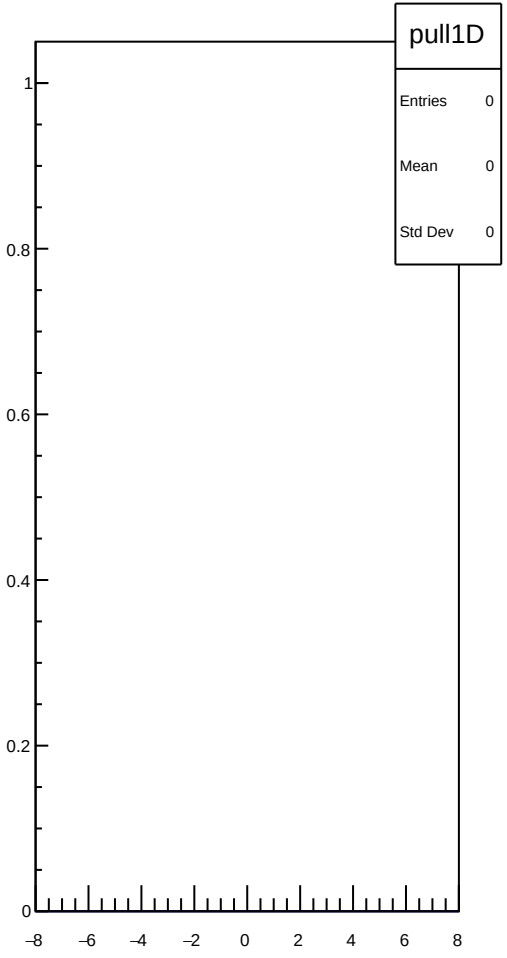

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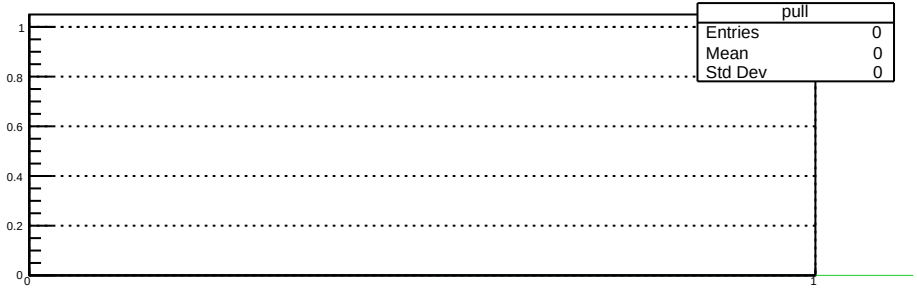

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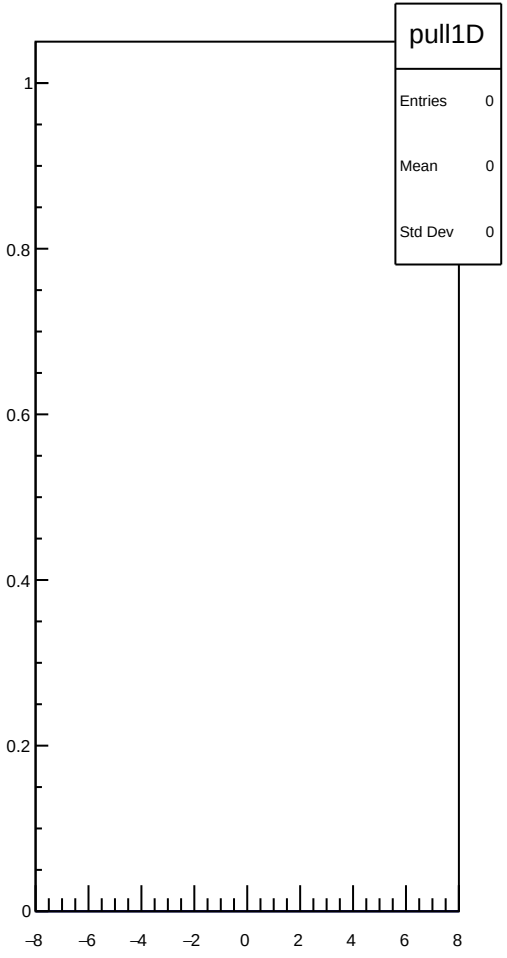

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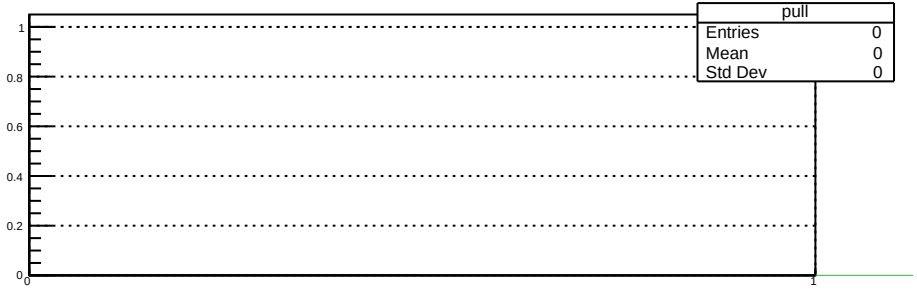

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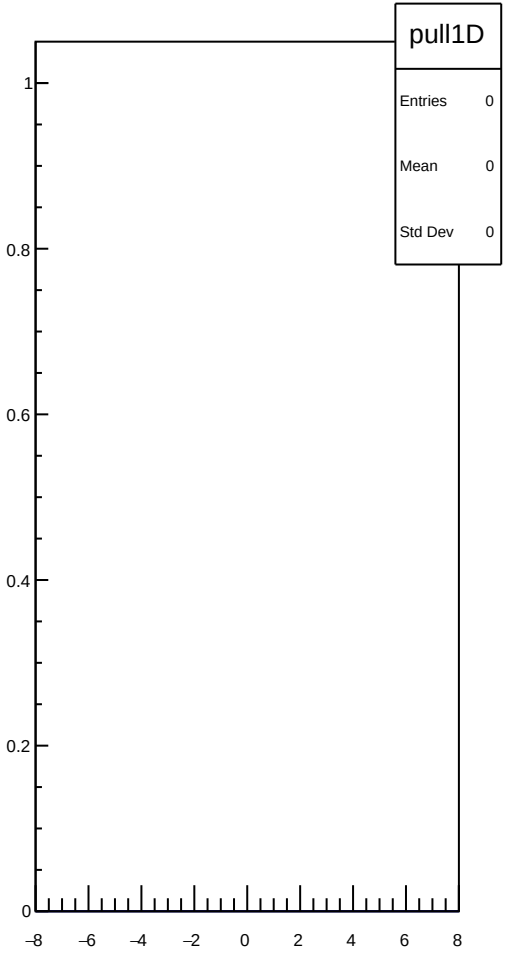

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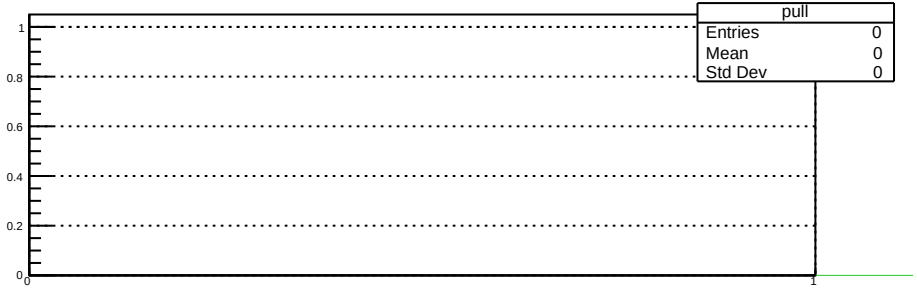

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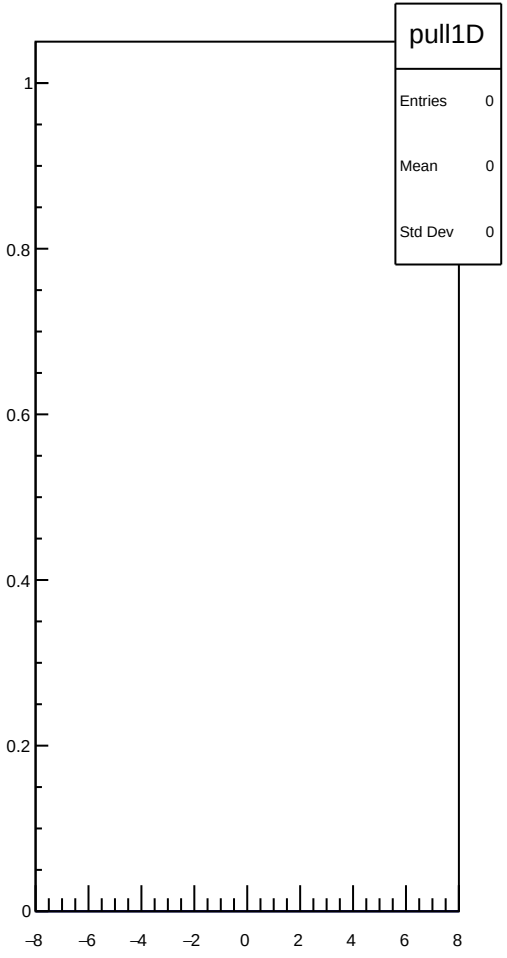

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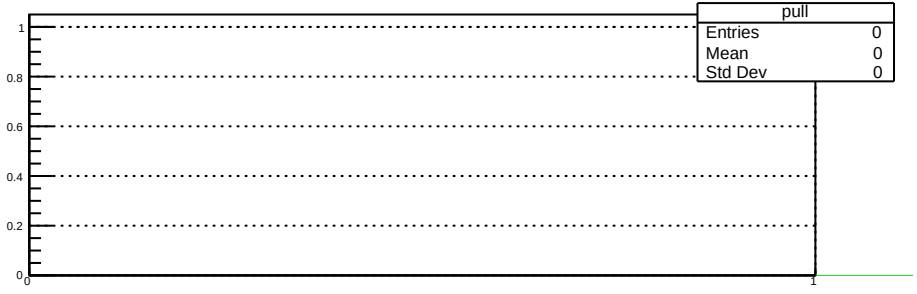

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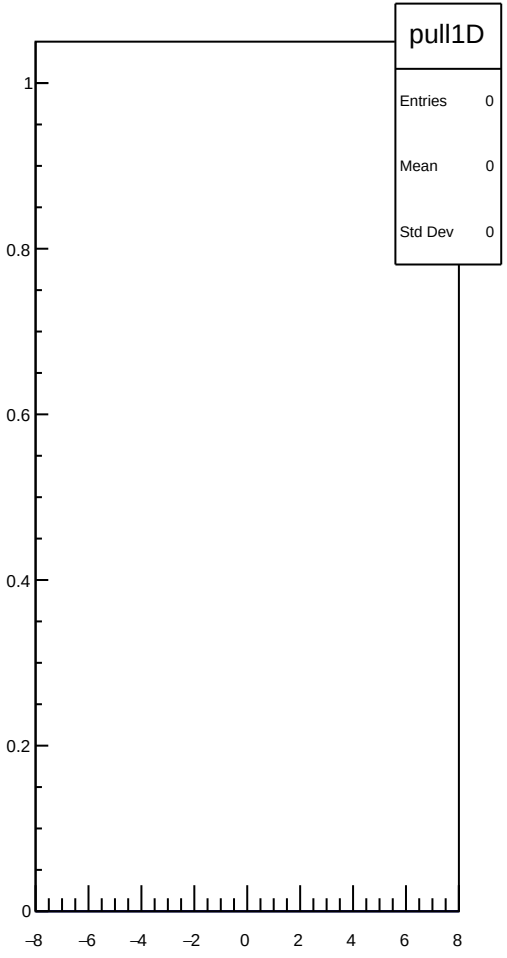

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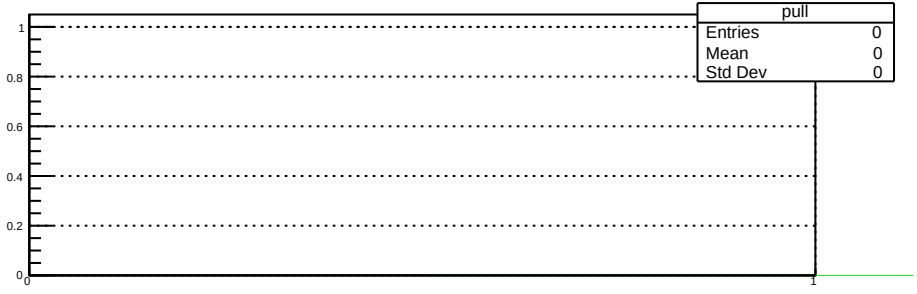

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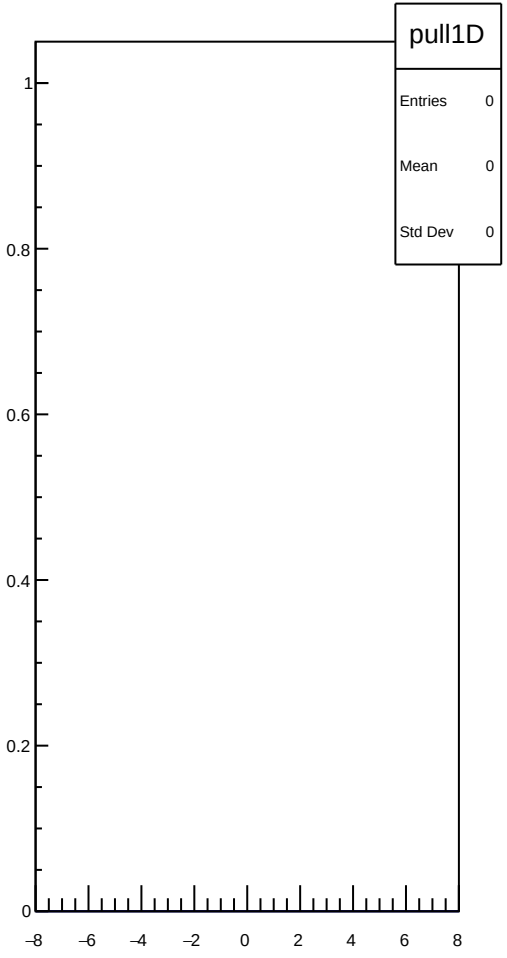

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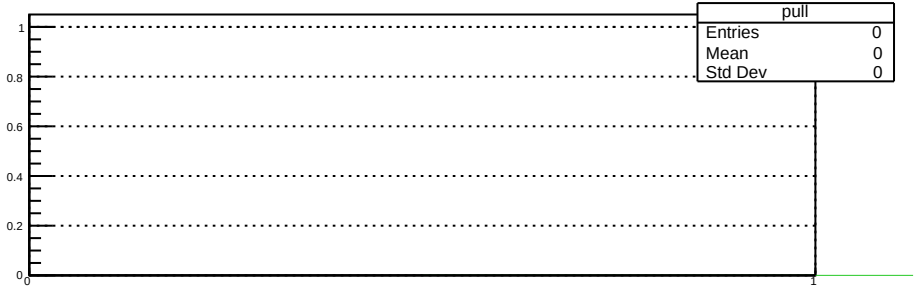

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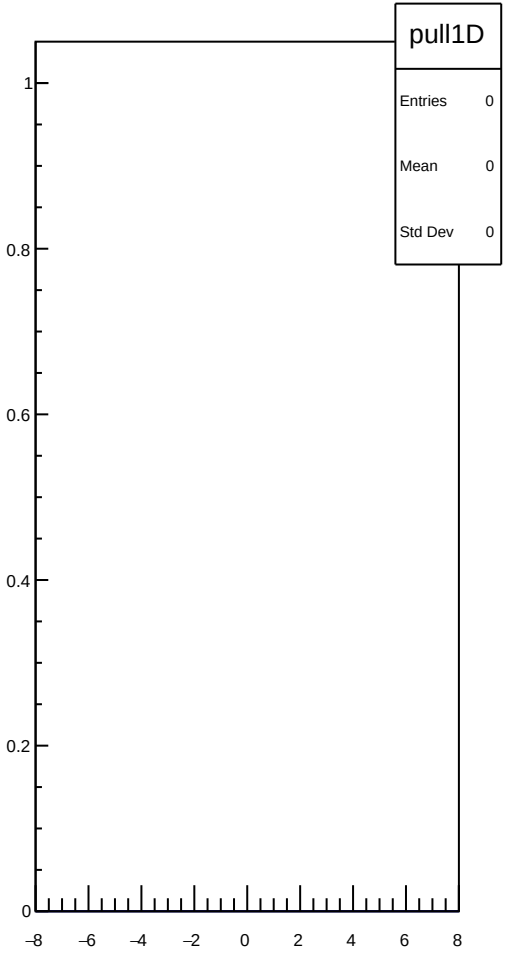

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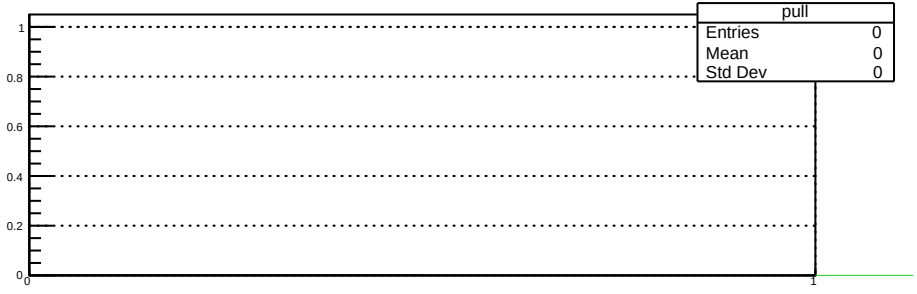

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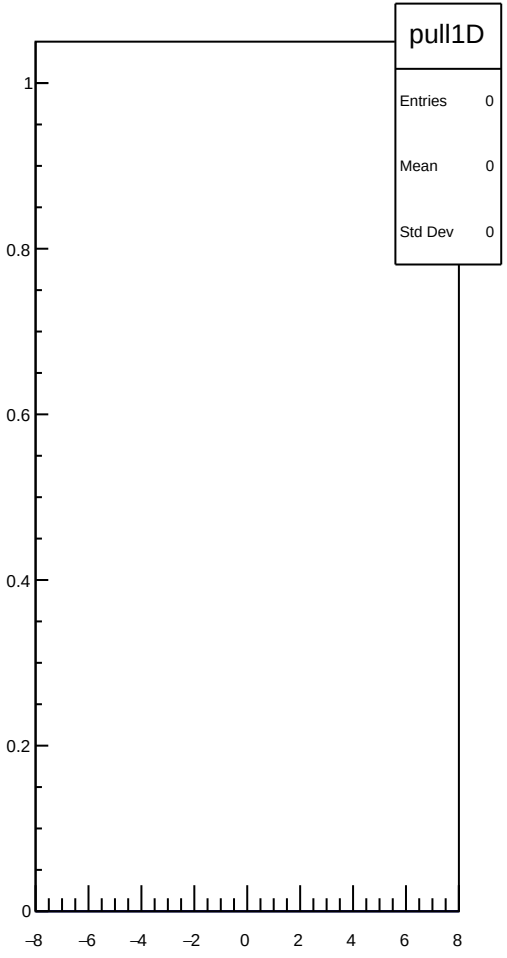

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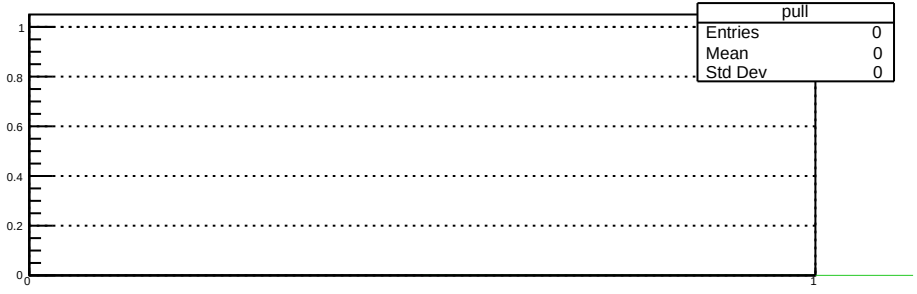

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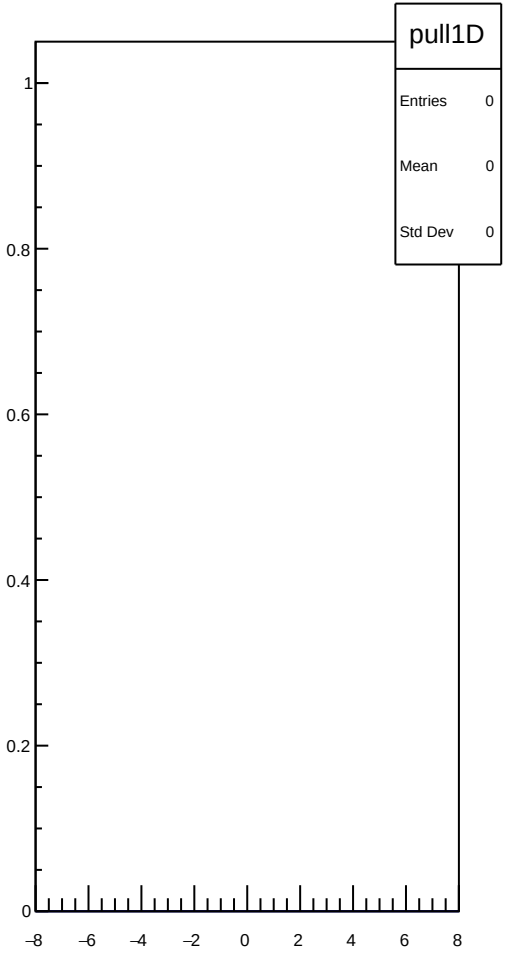

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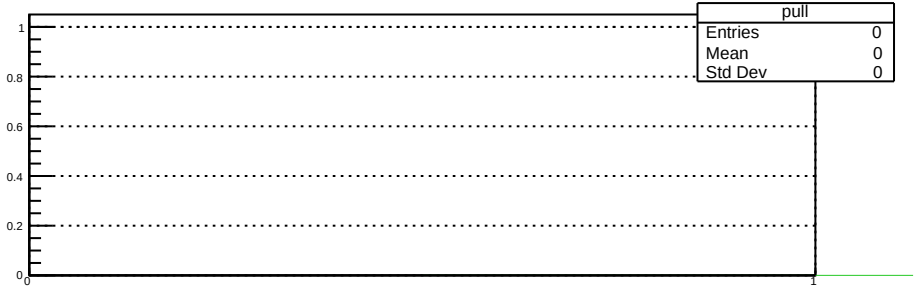

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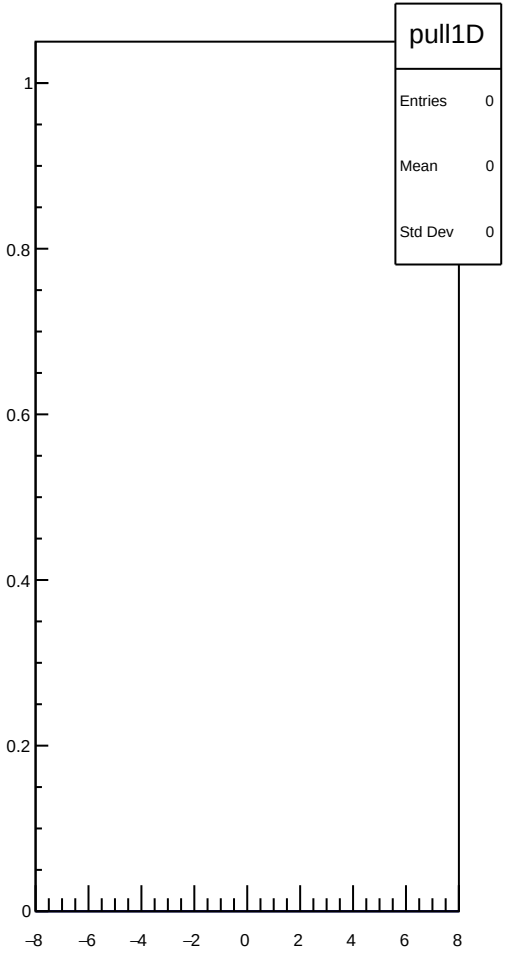

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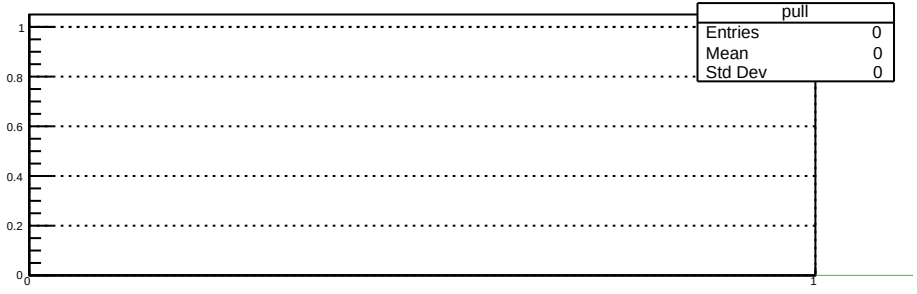

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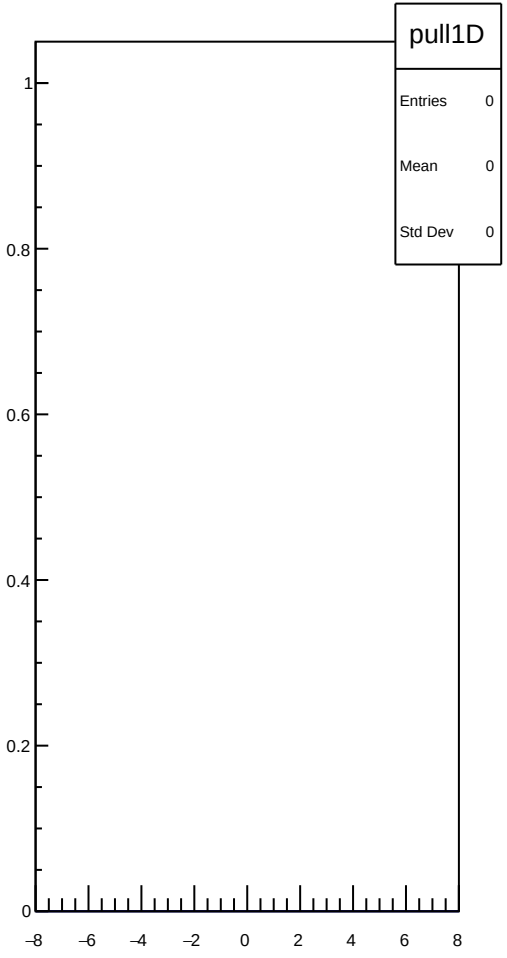

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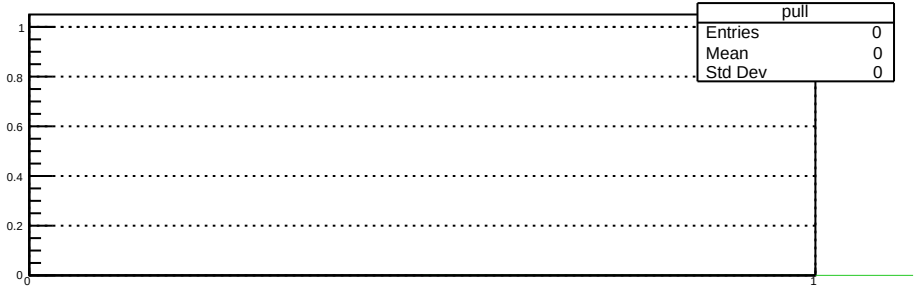

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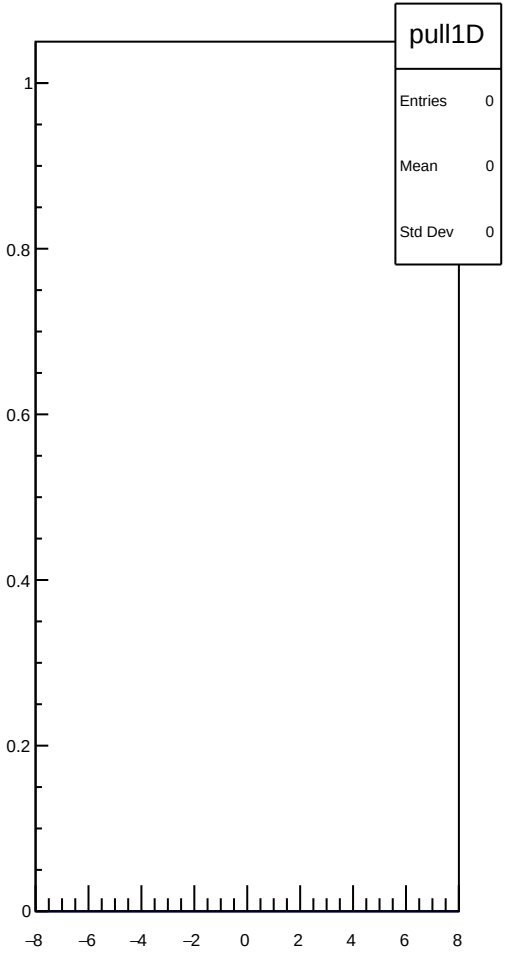

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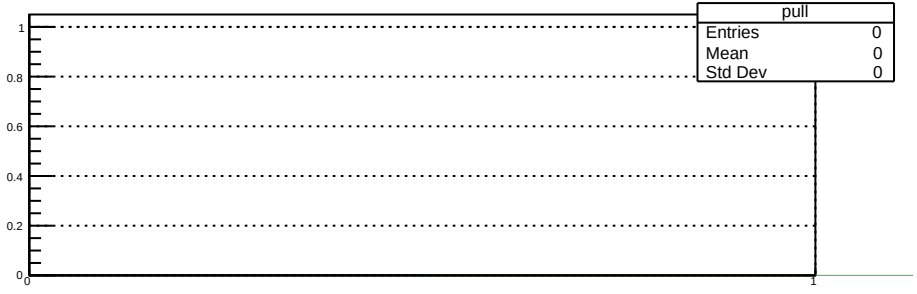

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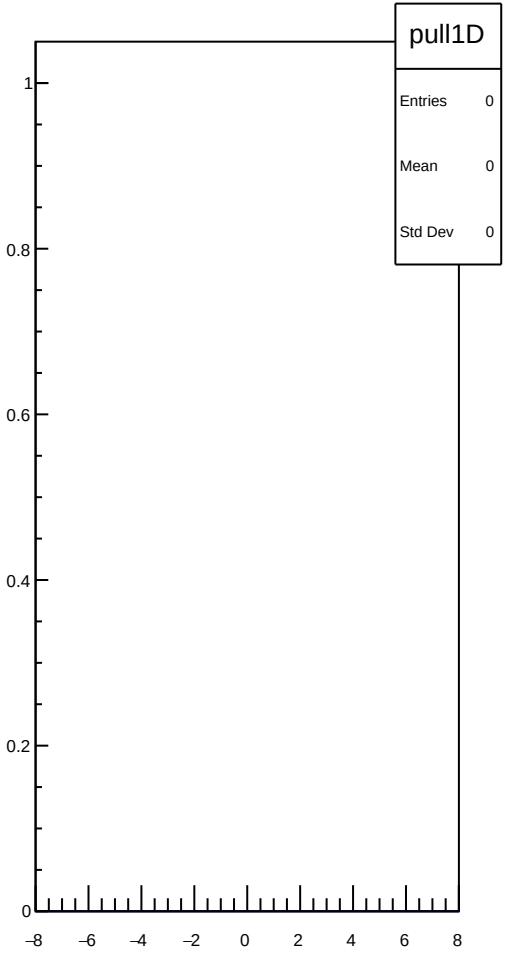

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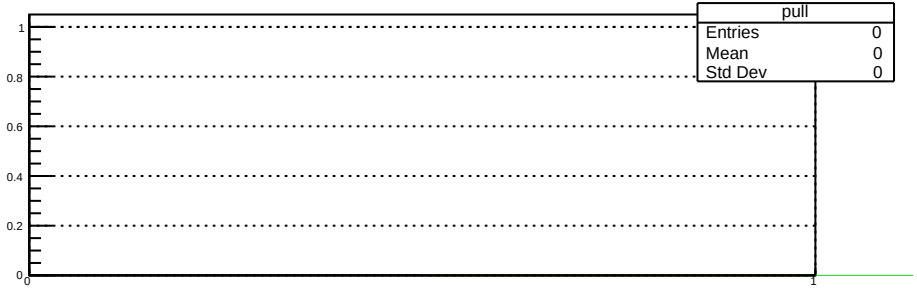

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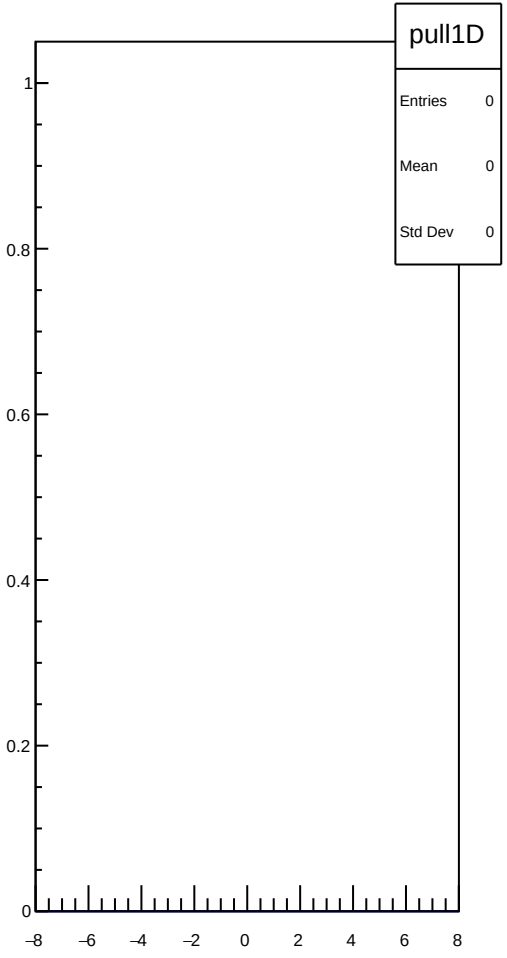

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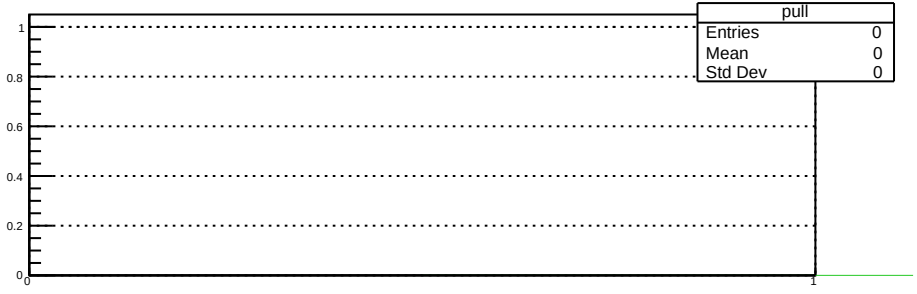

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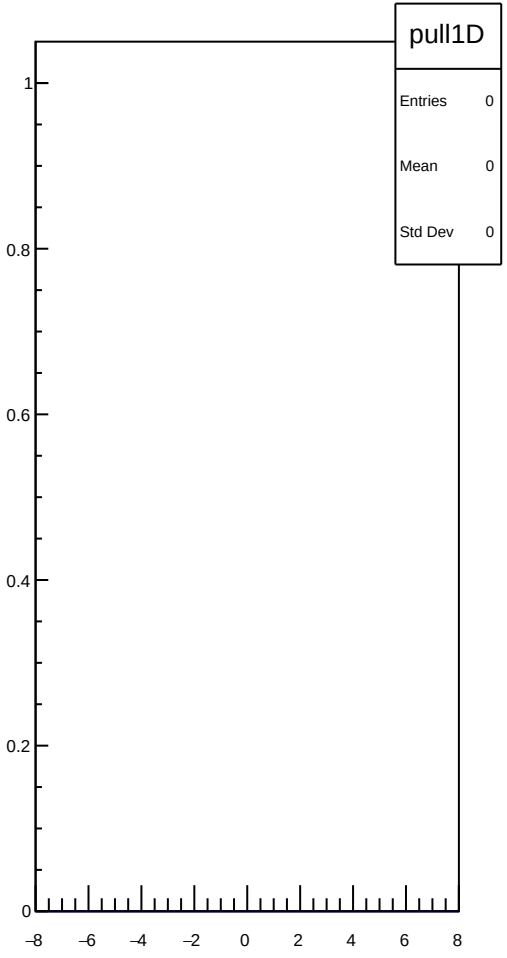

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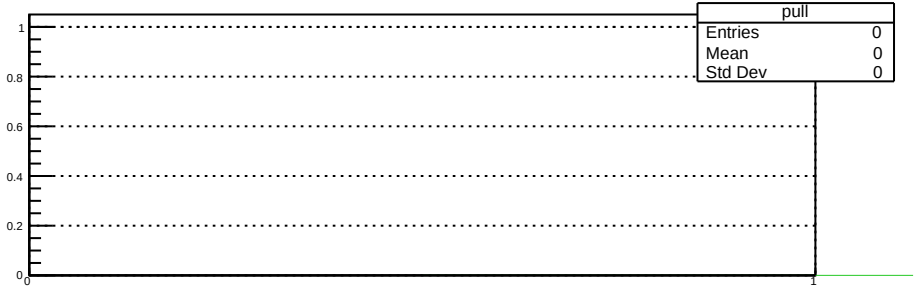

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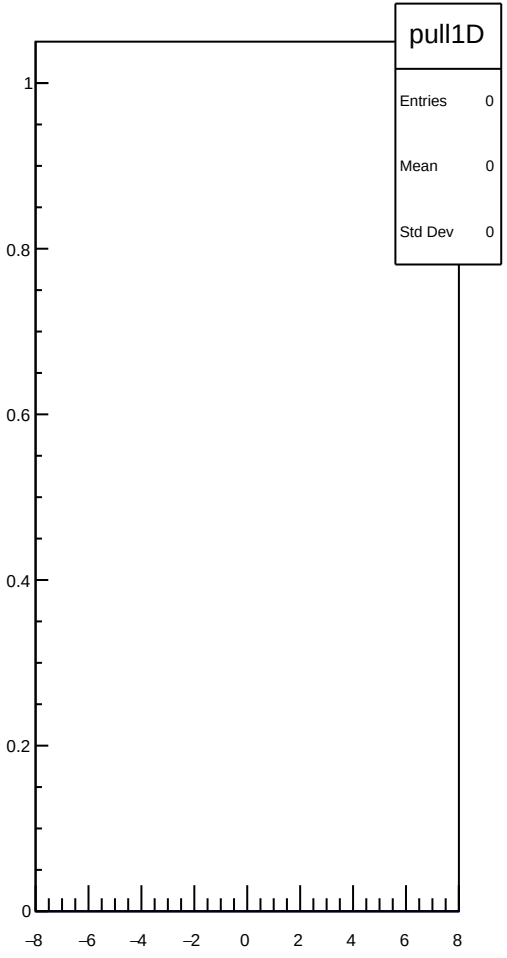

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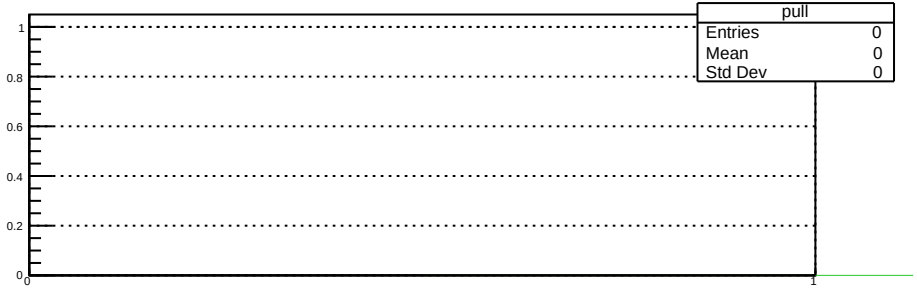

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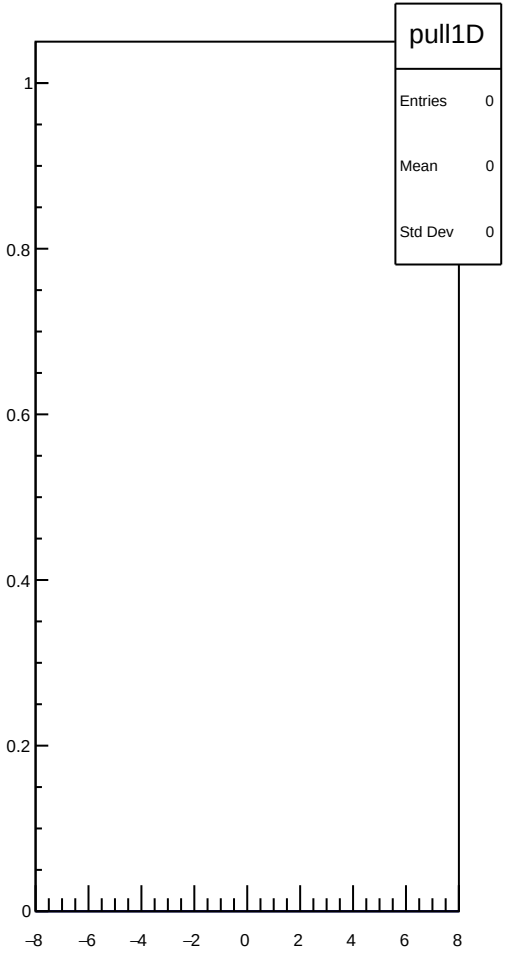

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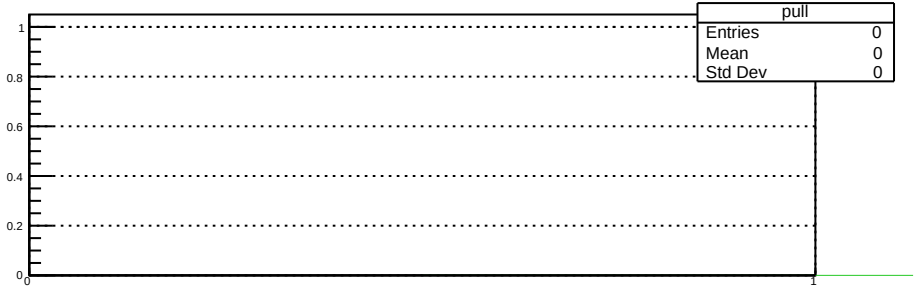

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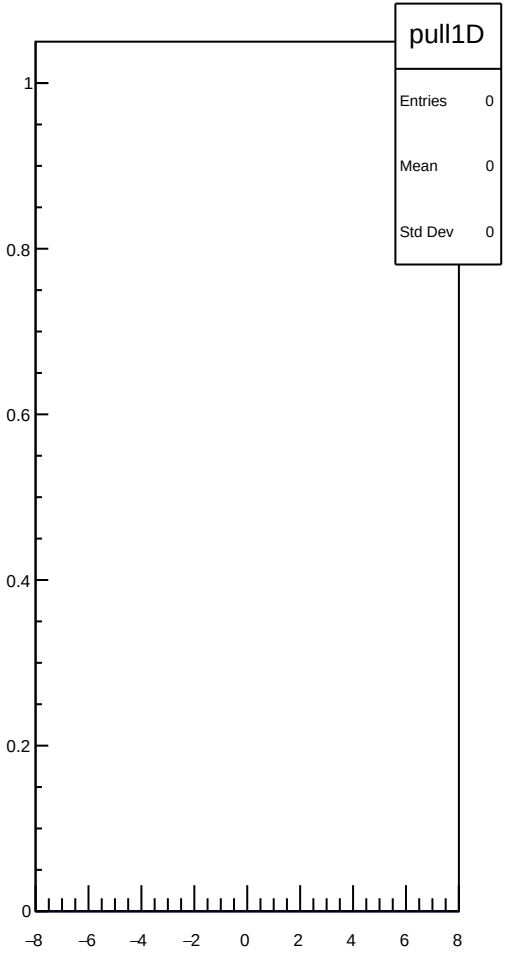

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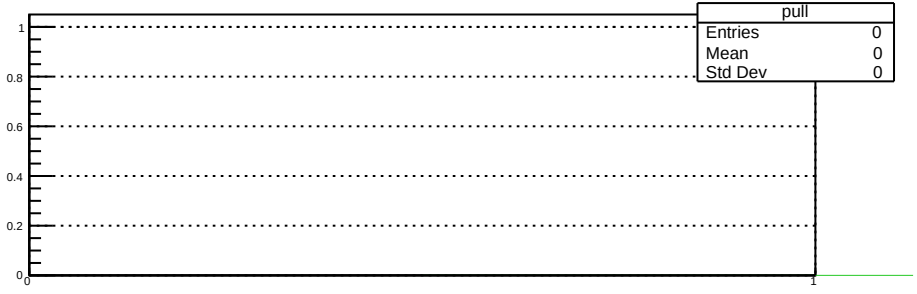

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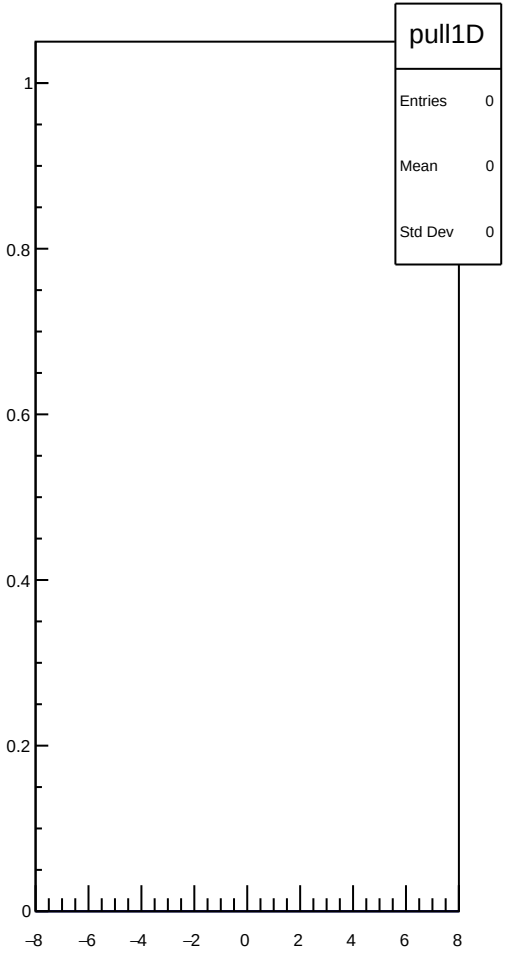

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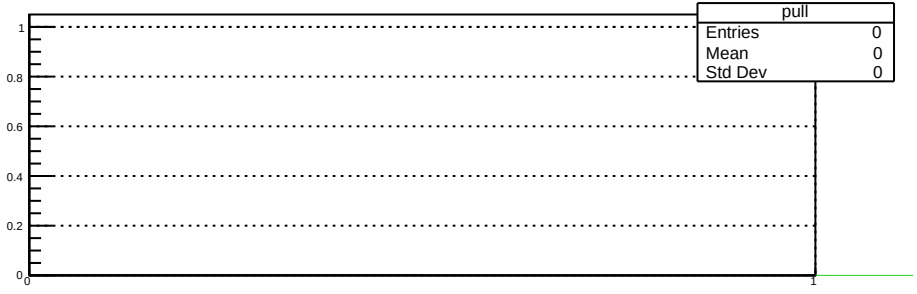

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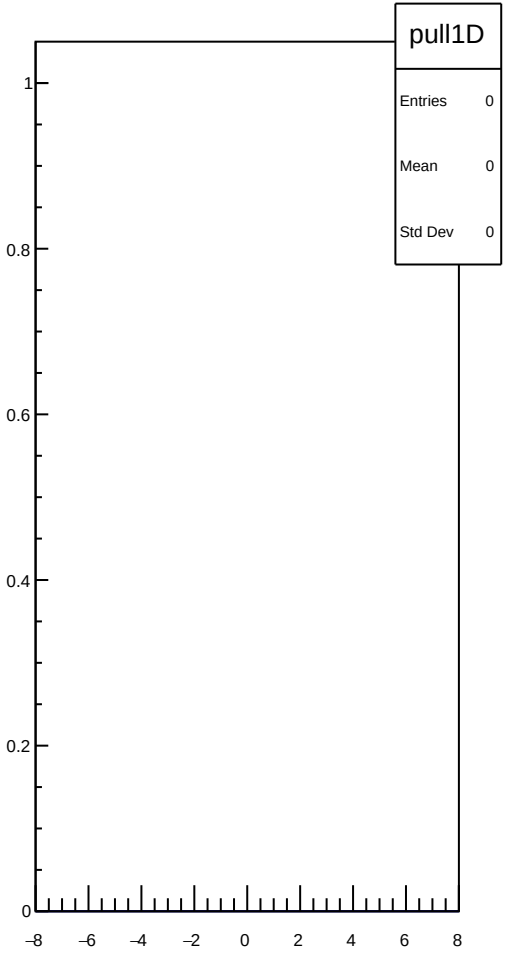

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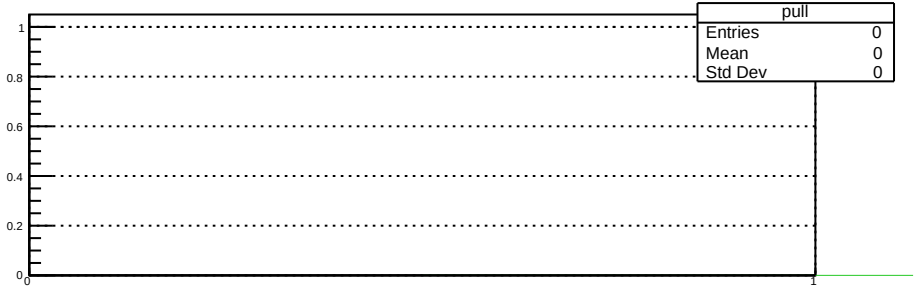

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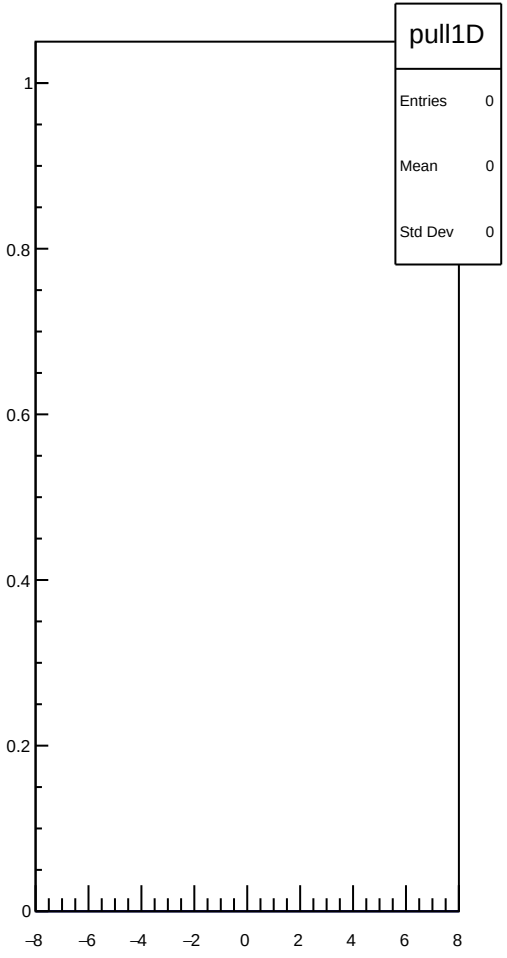

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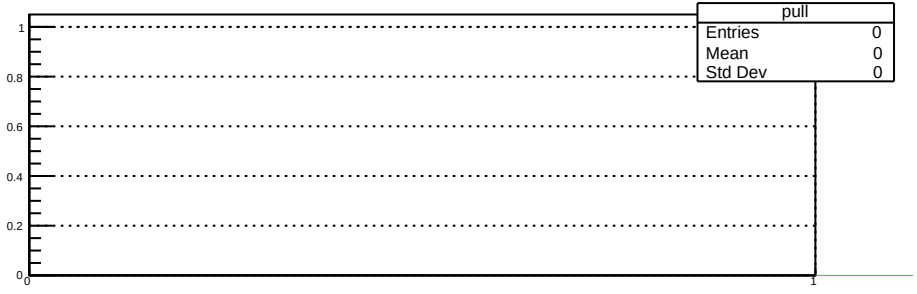

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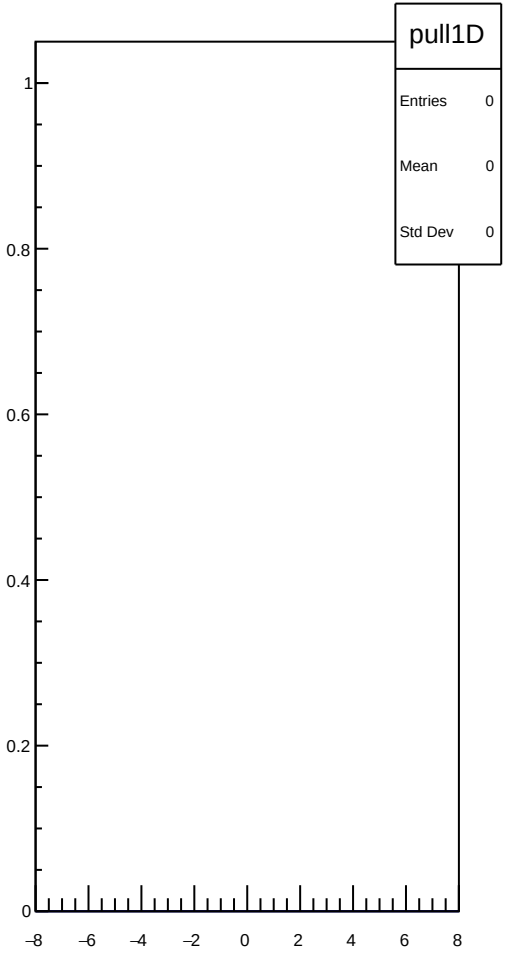

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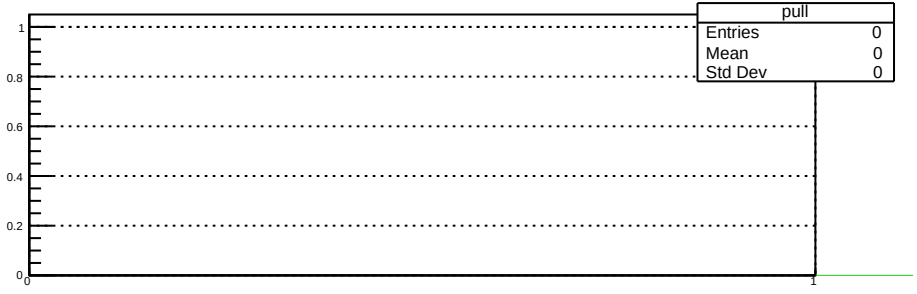

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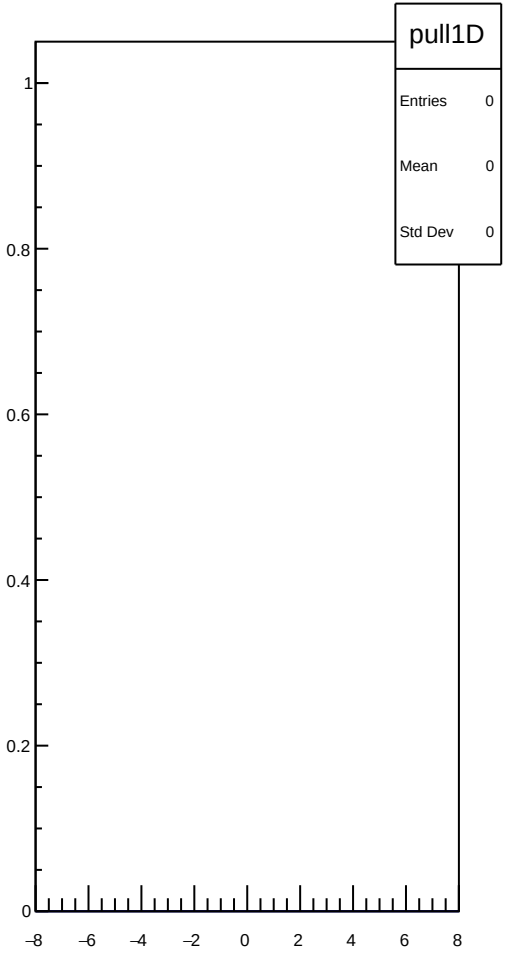

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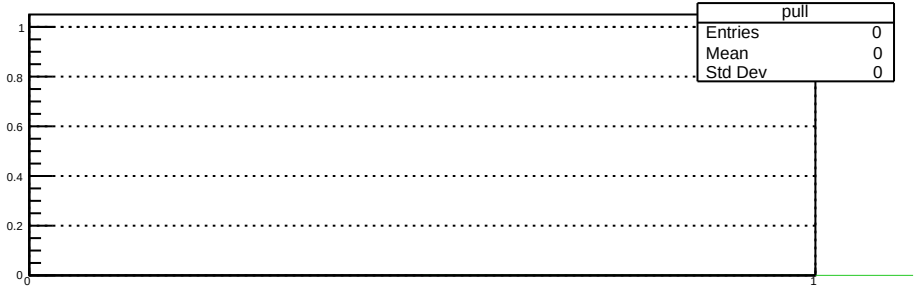

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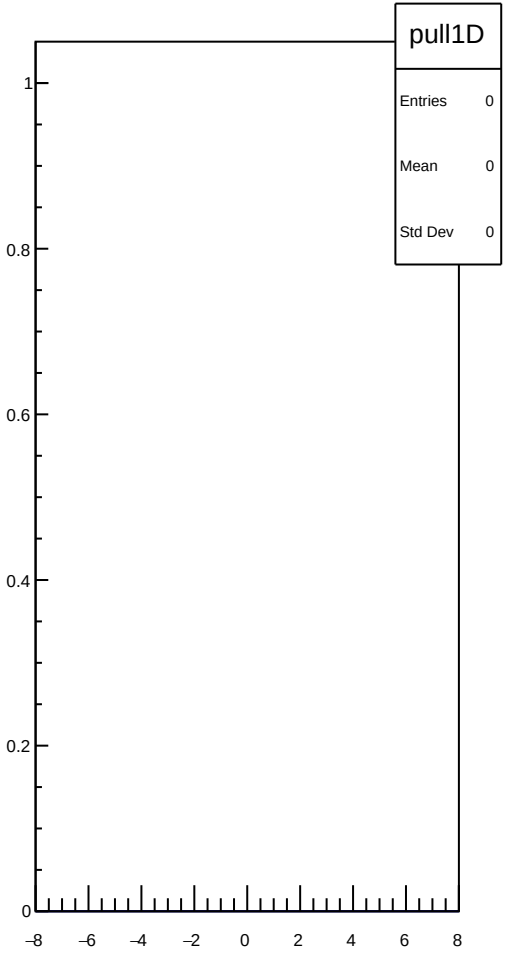

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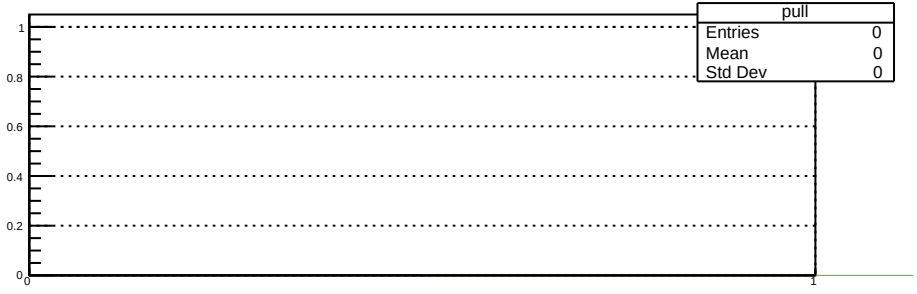

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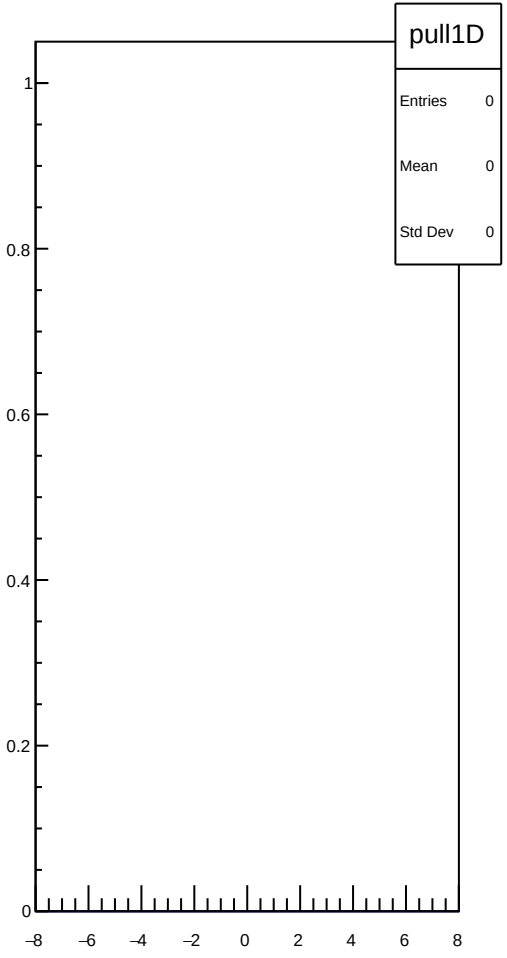

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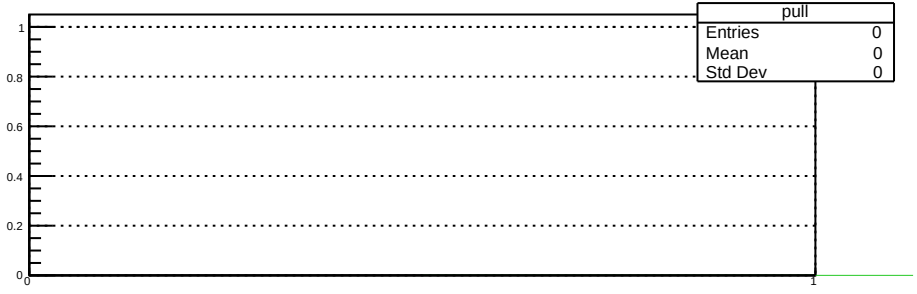

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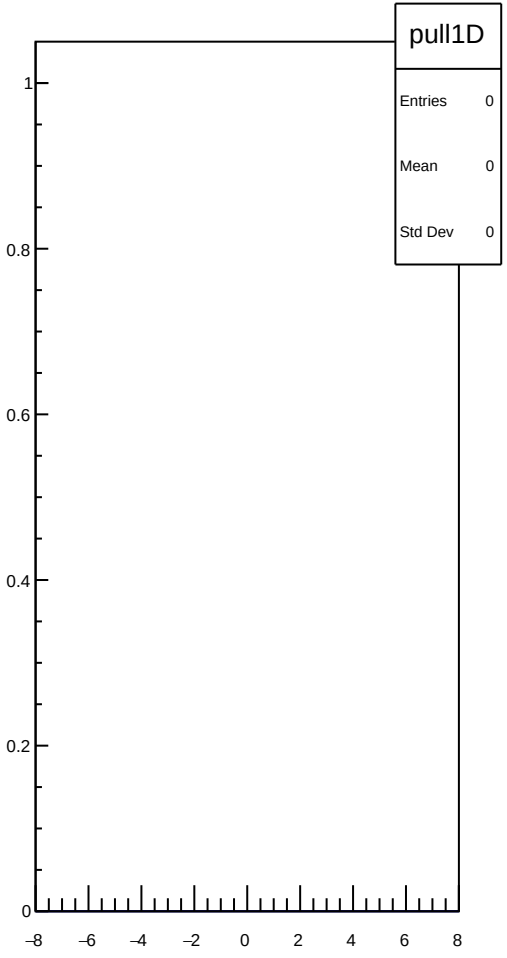

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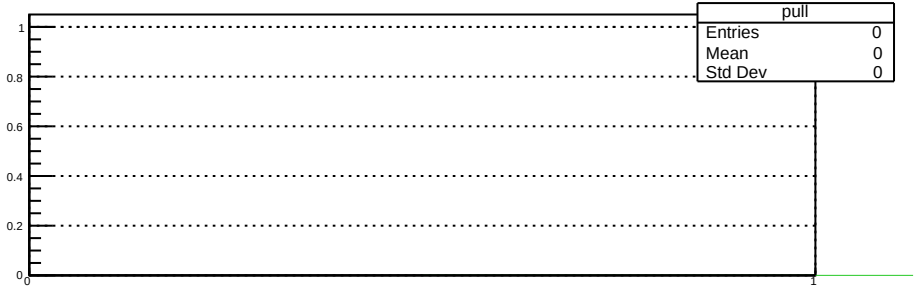

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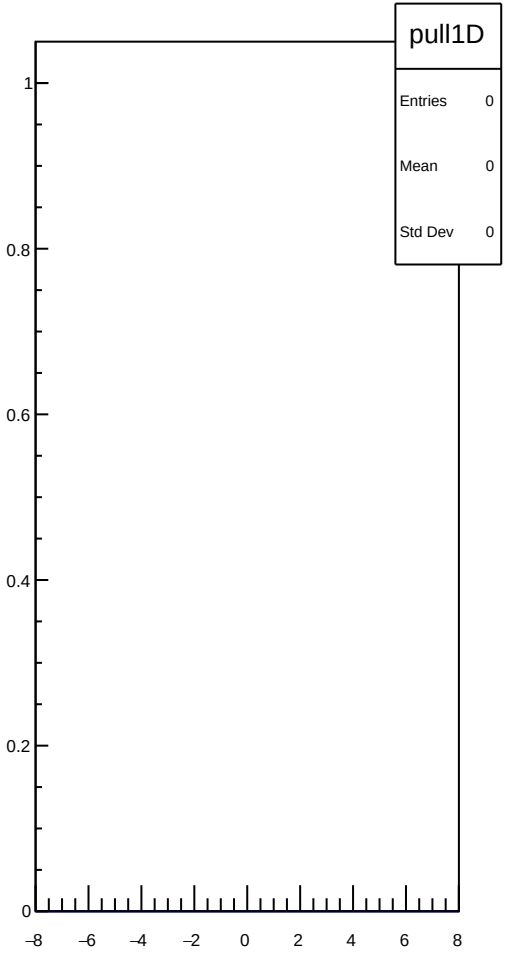

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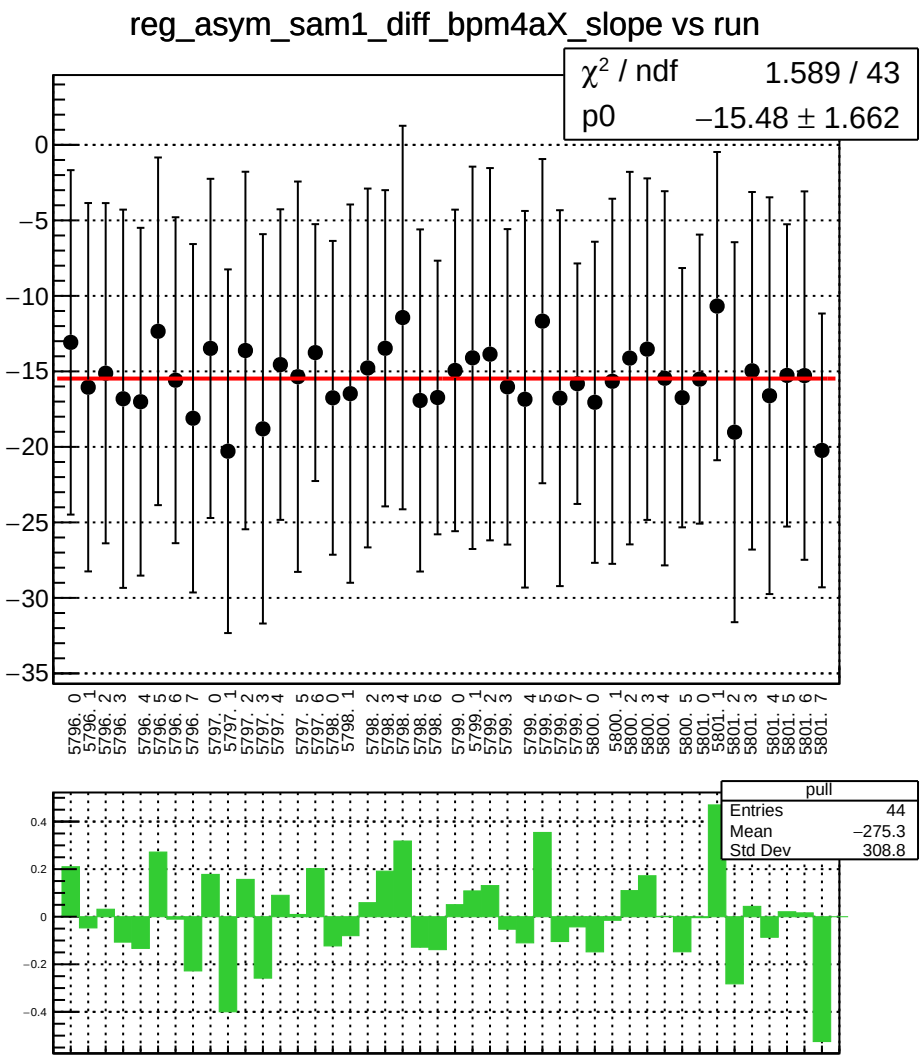

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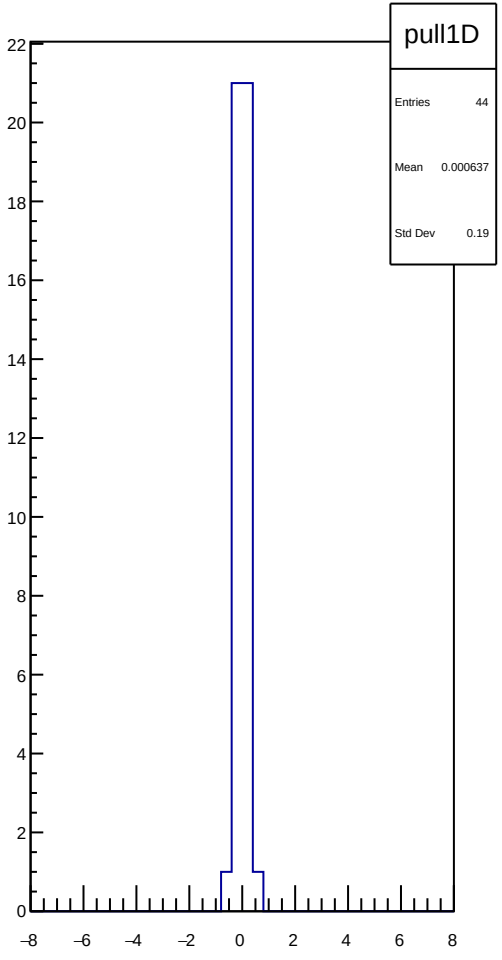

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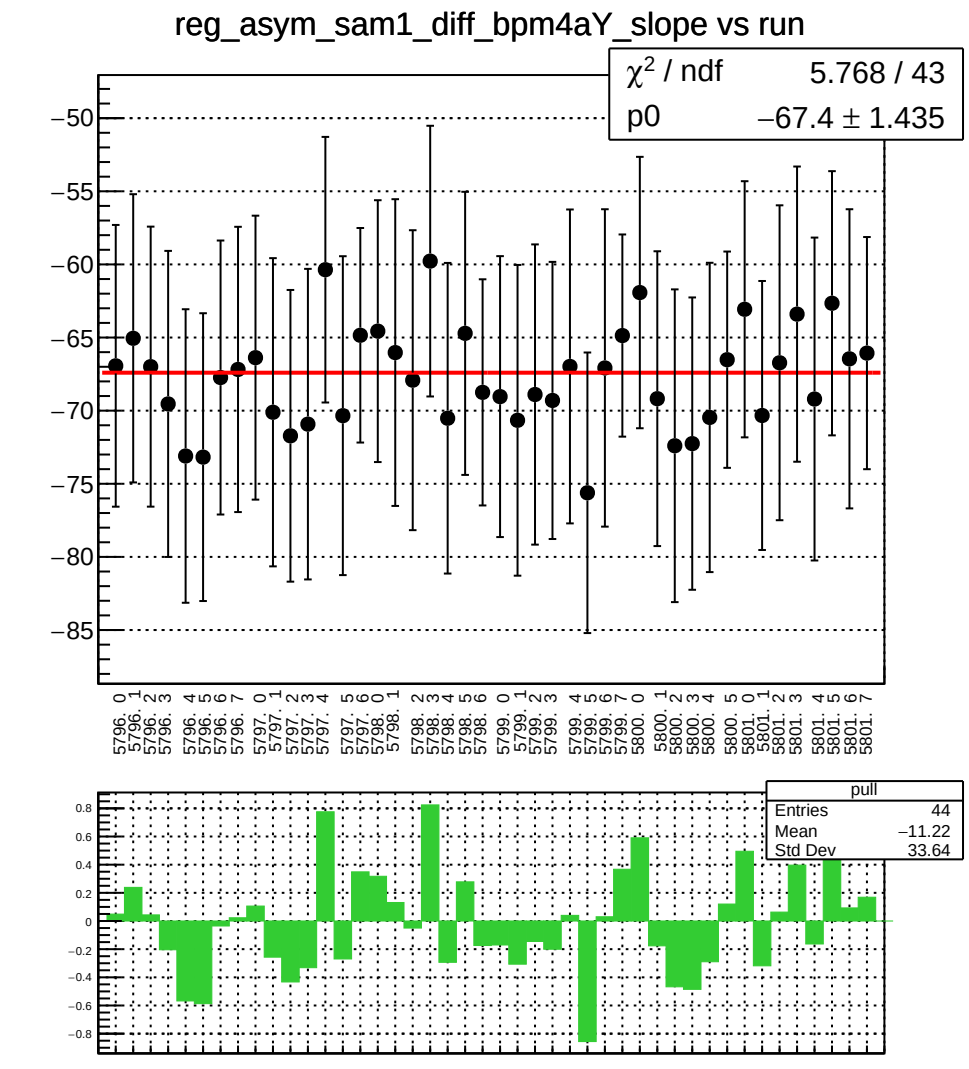

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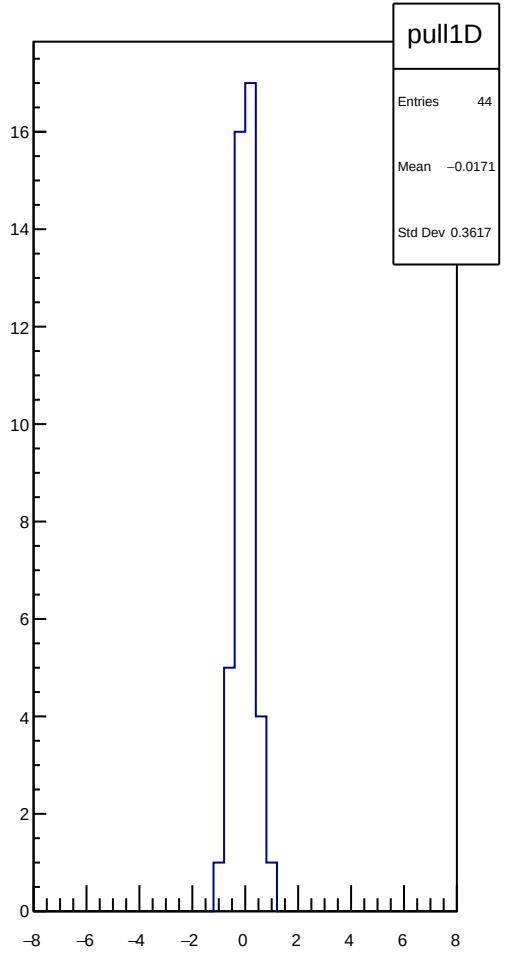

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0
1

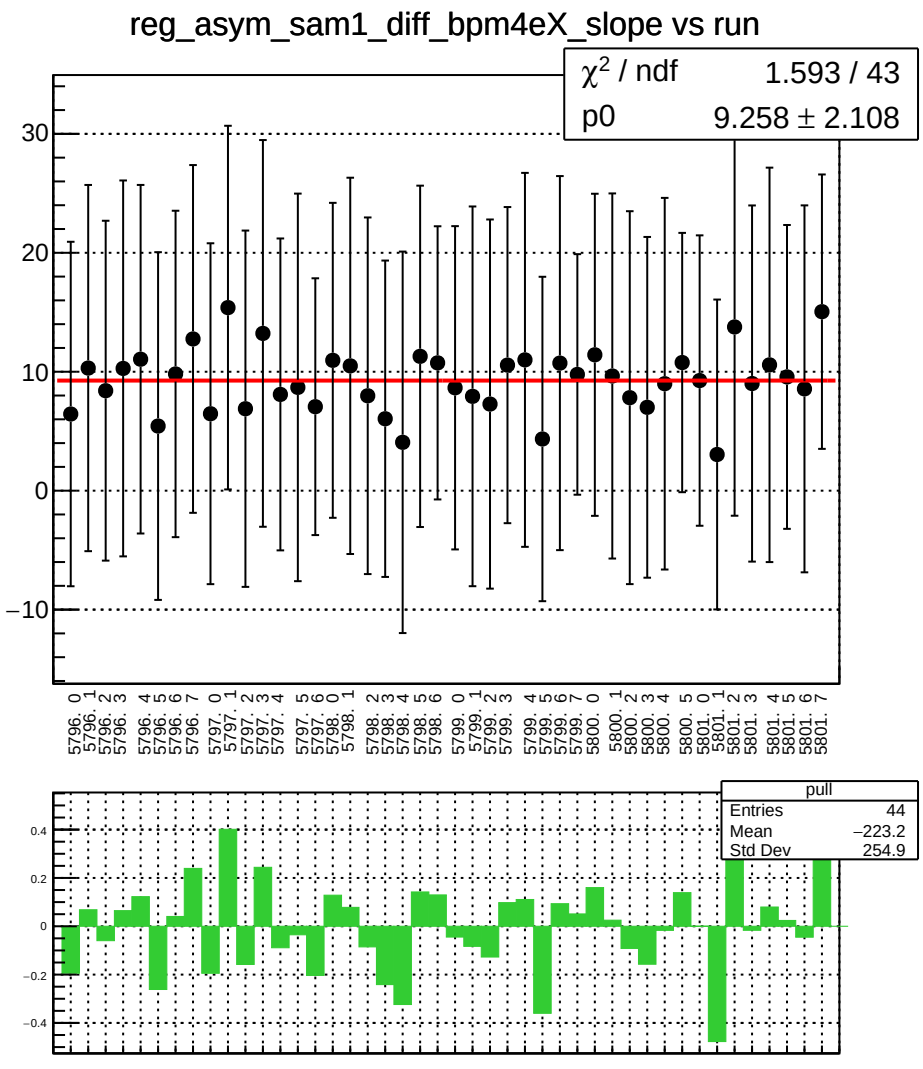

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

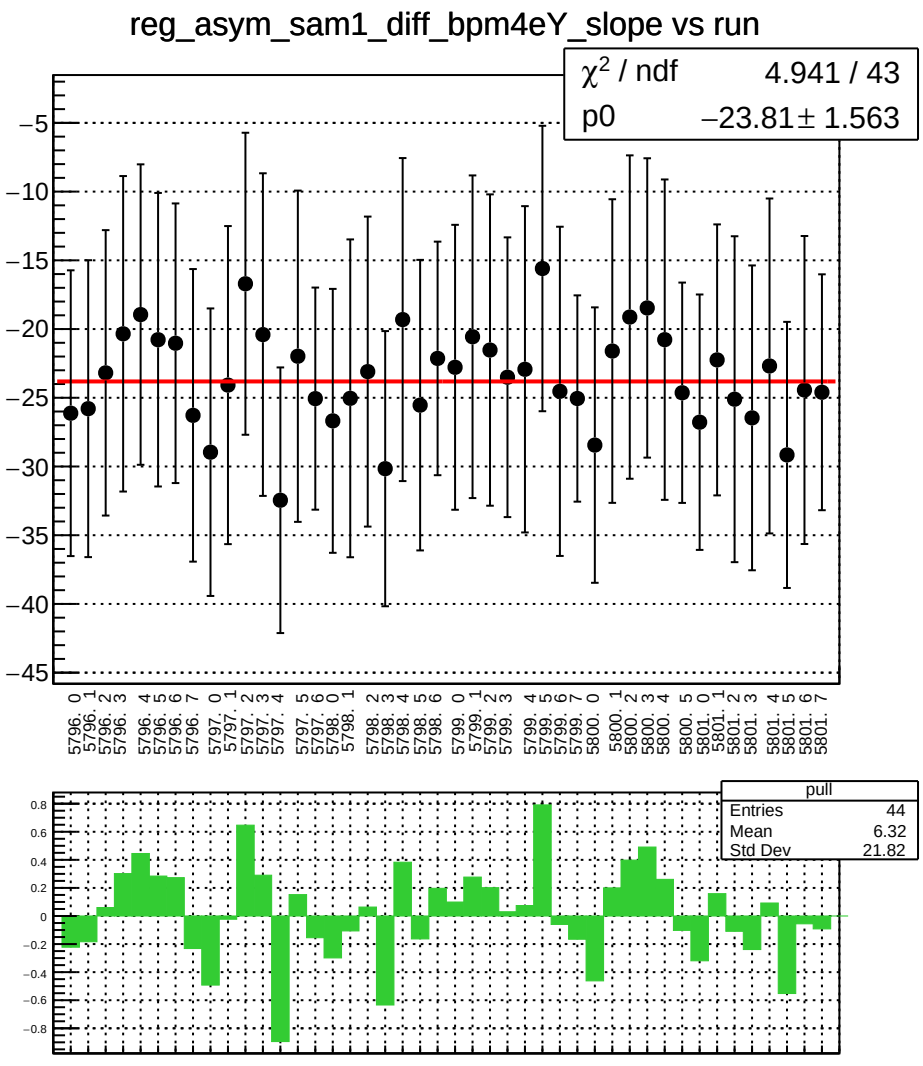

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 1.589 / 43
p0 −15.48 ± 1.662
pull
Entries 44
Mean −275.3
Std Dev 308.8

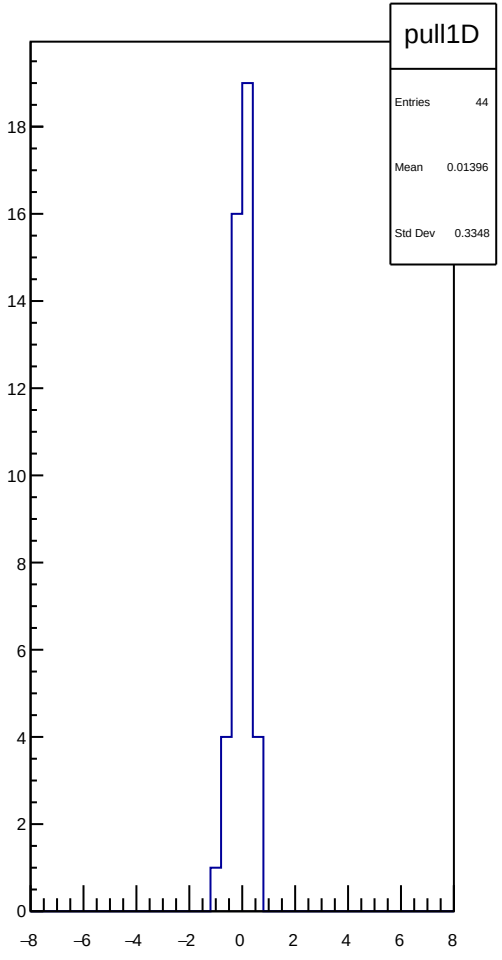

pull1D
Entries 44
Mean 0.000637
Std Dev 0.19

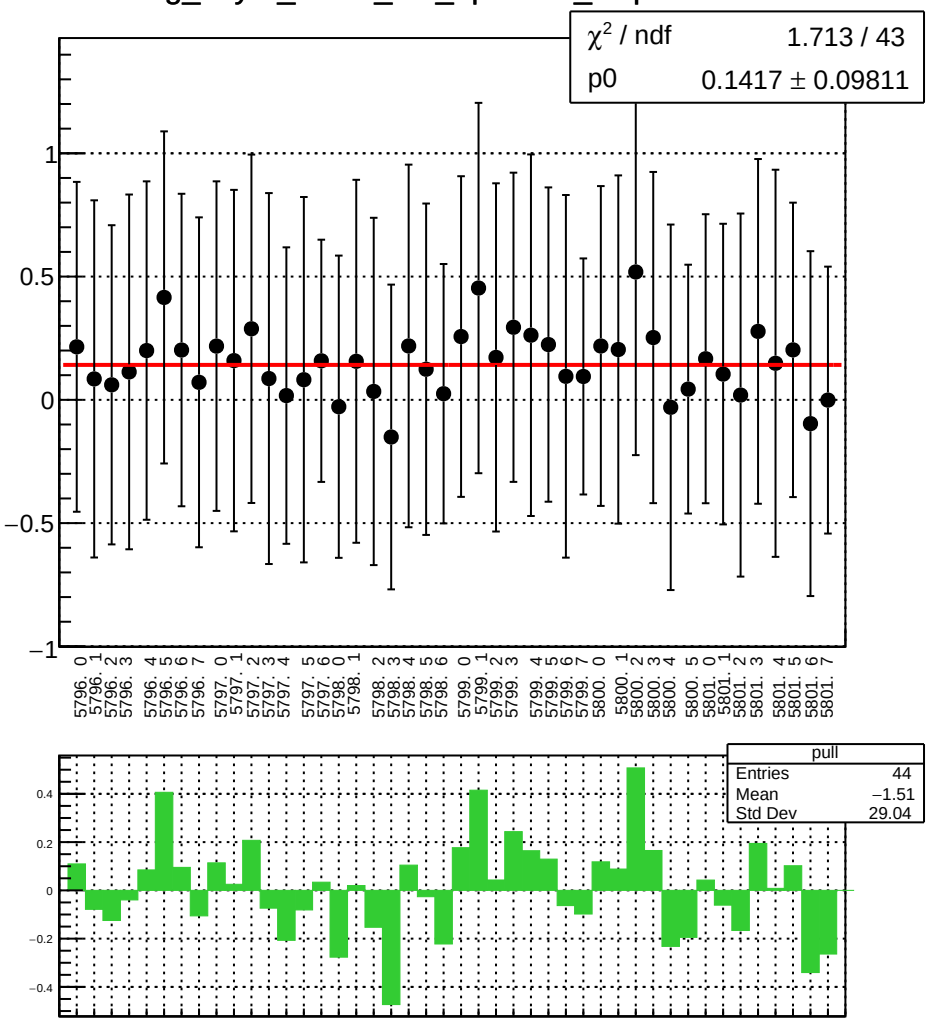

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 5.768 / 43
p0 −67.4 ± 1.435
pull
Entries 44
Mean −11.22
Std Dev 33.64

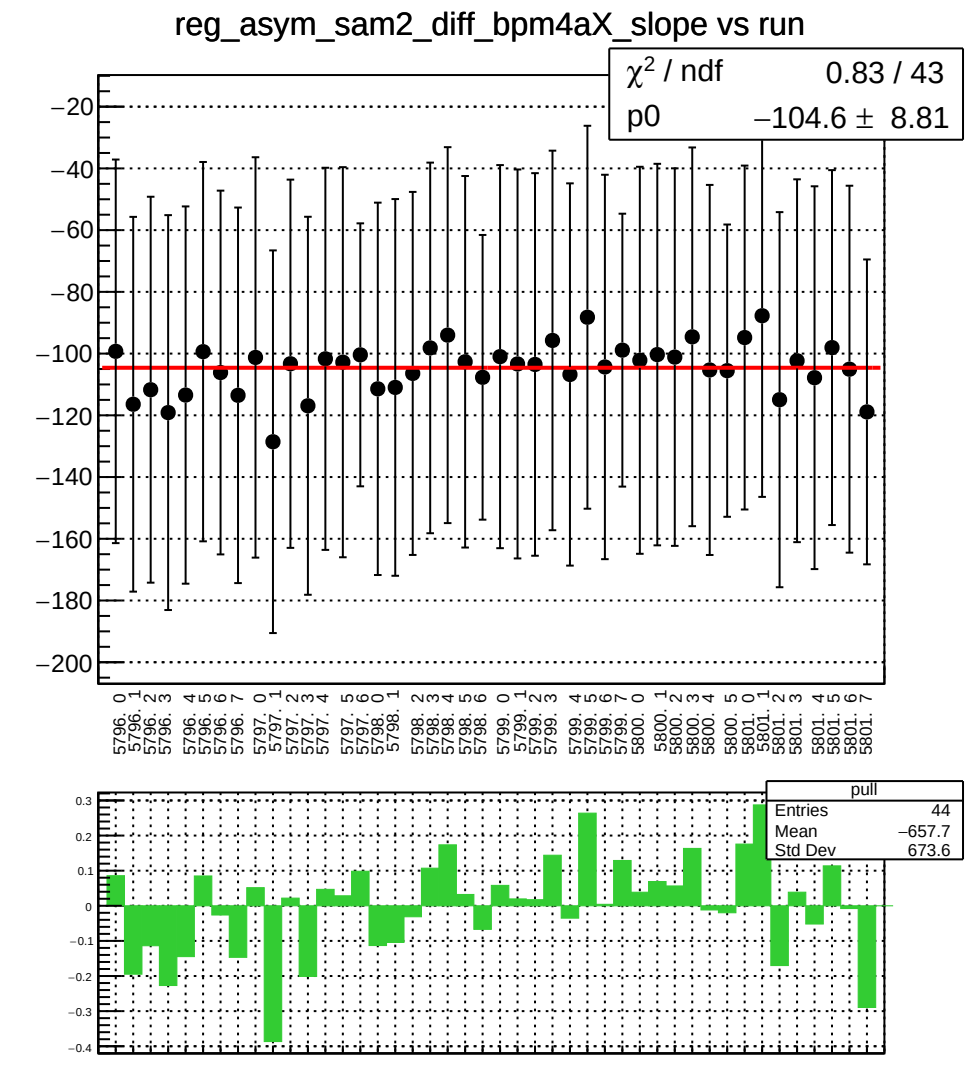

pull1D
Entries 44
Mean −0.0171
Std Dev 0.3617

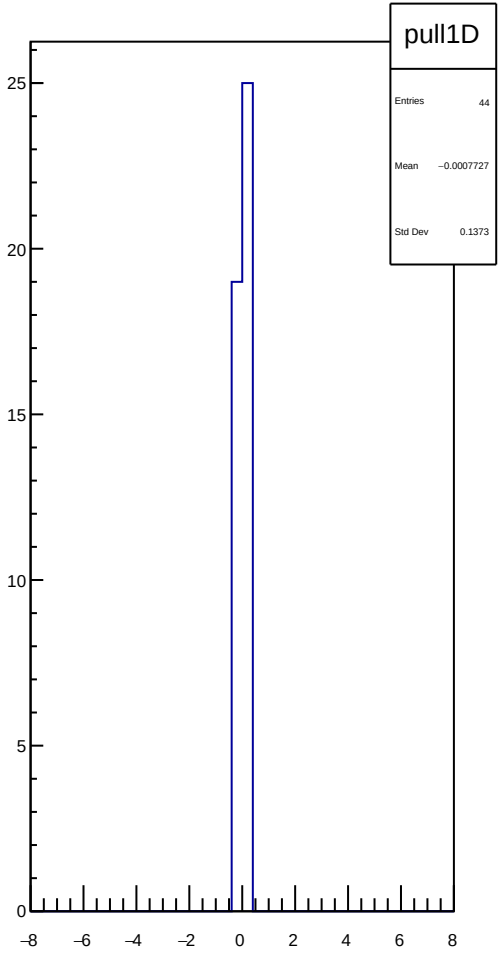

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.593 / 43
p0 9.258 ± 2.108
30
20
10
0
−10
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −223.2
Std Dev 254.9
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 44
Mean −0.0008843
Std Dev 0.1903
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

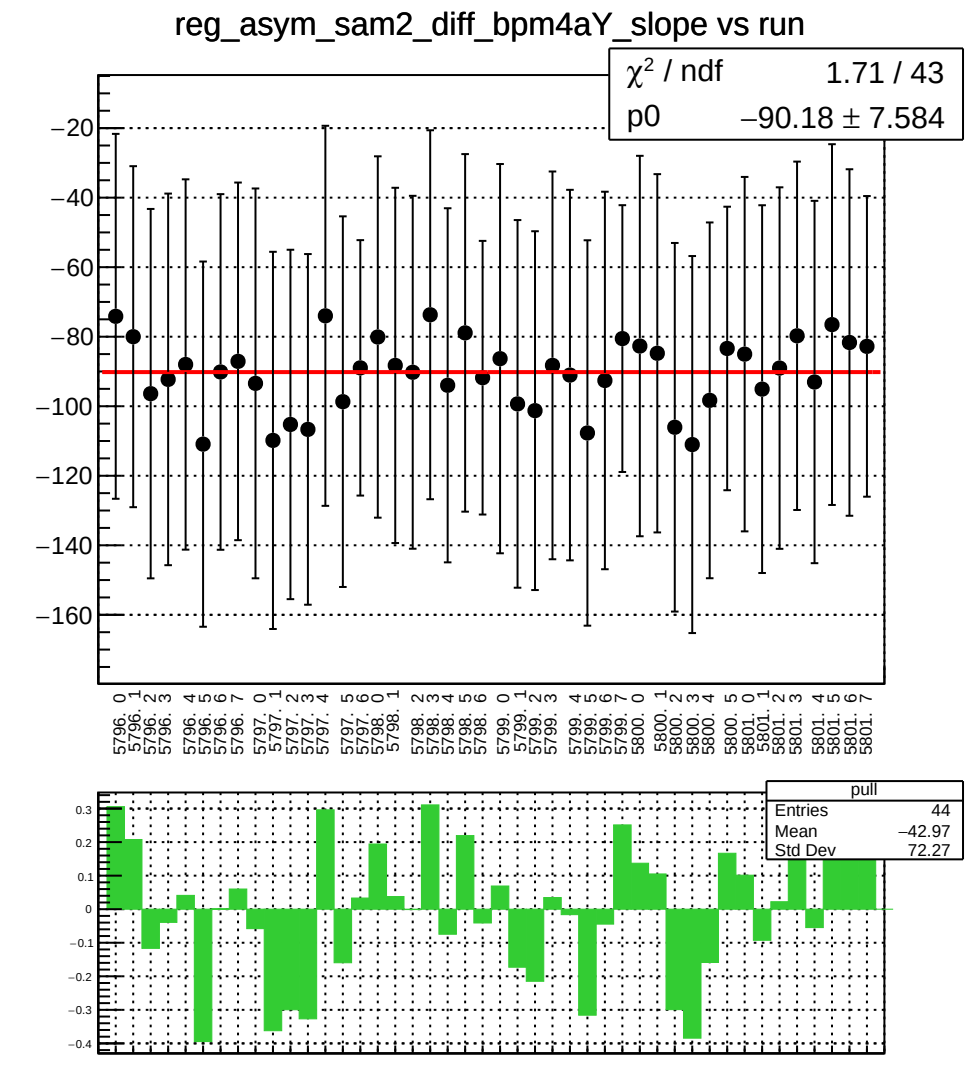

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 4.941 / 43
p0 −23.81± 1.563
pull
Entries 44
Mean 6.32
Std Dev 21.82

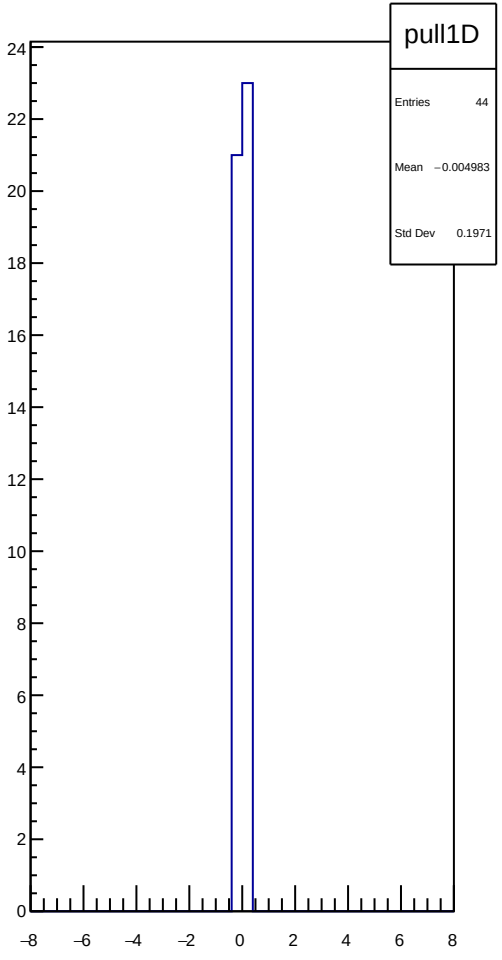

pull1D
Entries 44
Mean 0.01396
Std Dev 0.3348

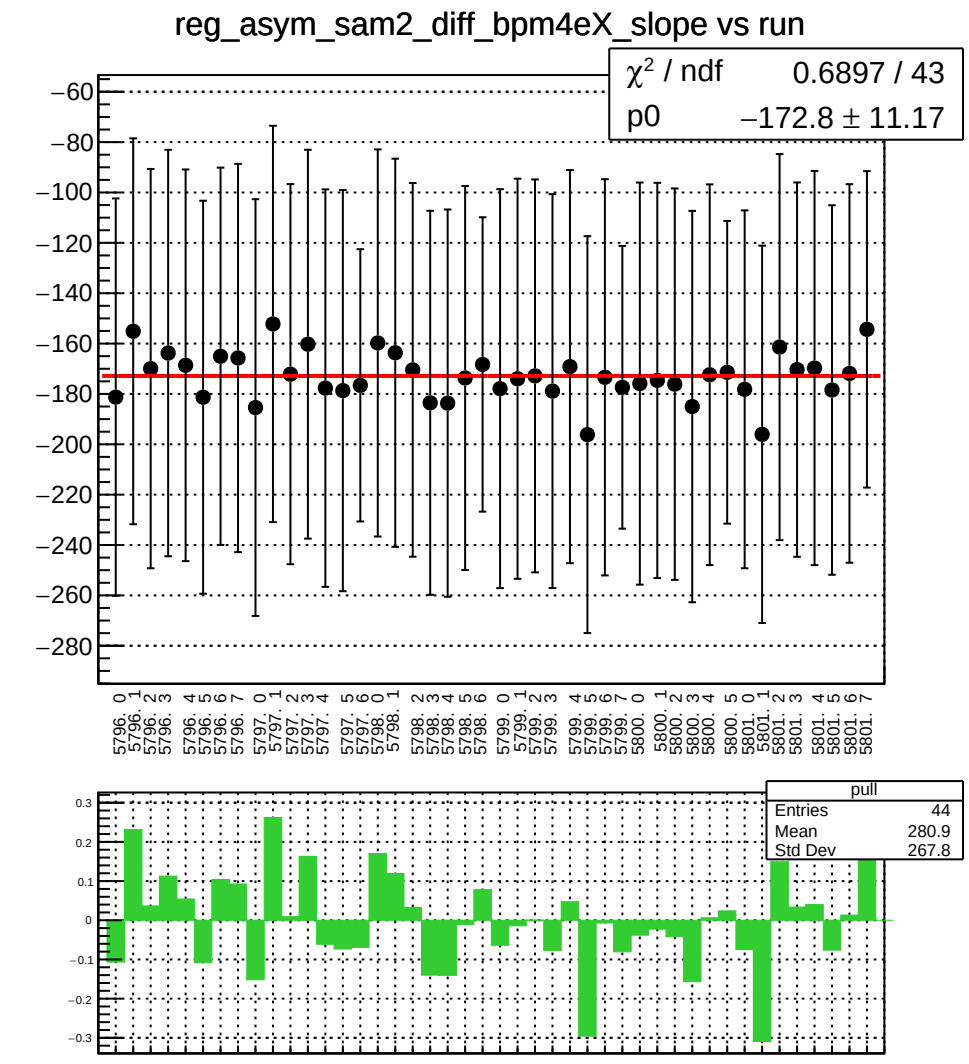

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 1.713 / 43
p0 0.1417 ± 0.09811
pull
Entries 44
Mean −1.51
Std Dev 29.04
pull1D
Entries 44
Mean 0.007266
Std Dev 0.1972

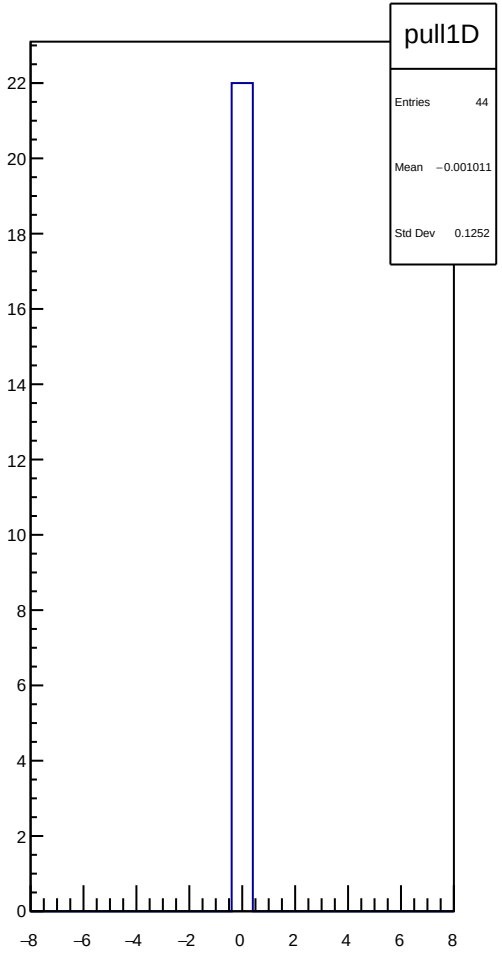

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 0.83 / 43
p0 −104.6 ± 8.81
pull
Entries 44
Mean −657.7
Std Dev 673.6

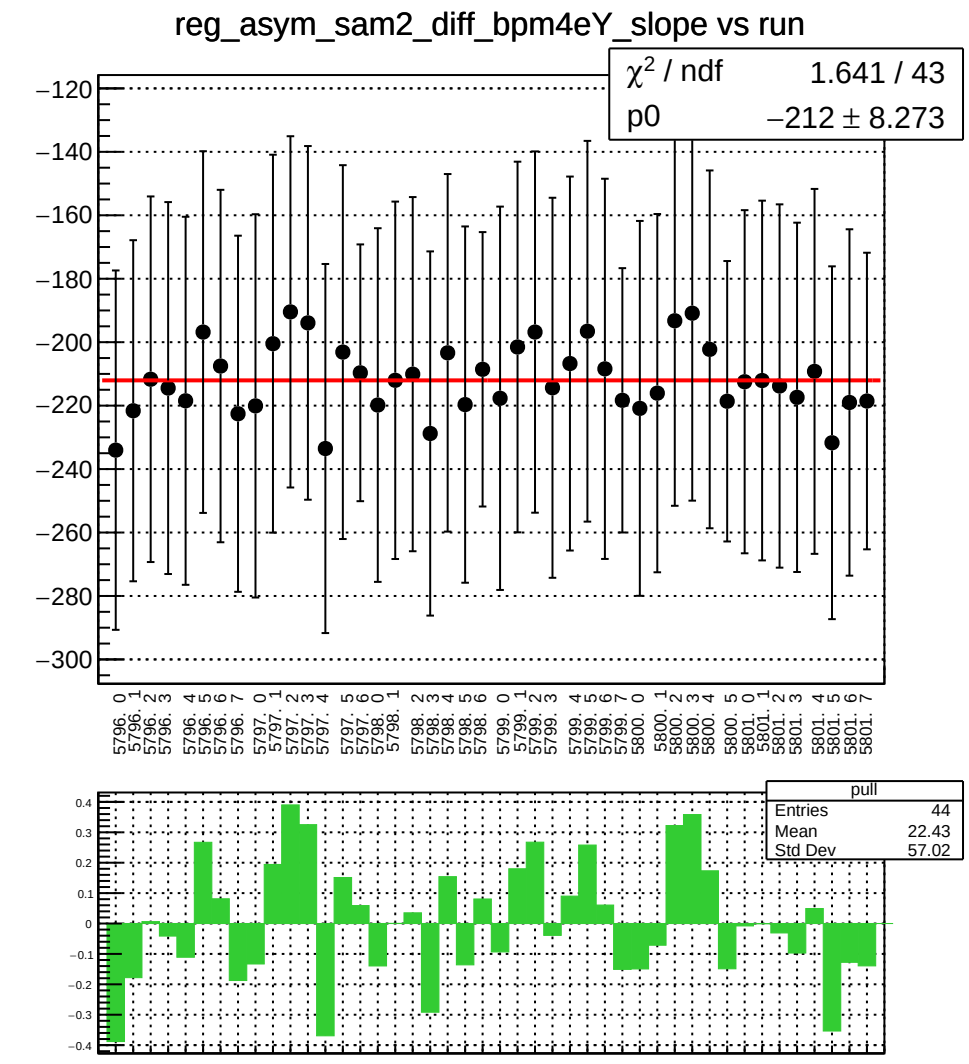

pull1D
Entries 44
Mean −0.0007727
Std Dev 0.1373

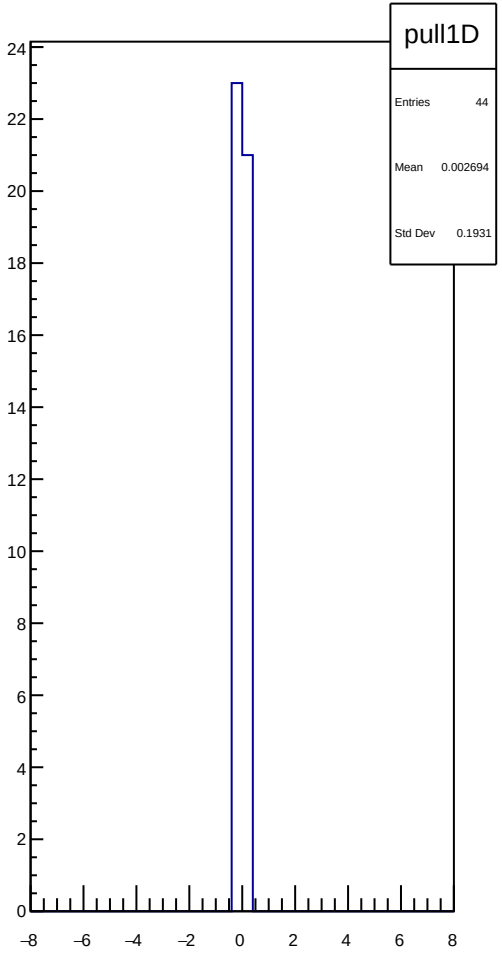

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 1.71 / 43
p0 −90.18 ± 7.584
pull
Entries 44
Mean −42.97
Std Dev 72.27

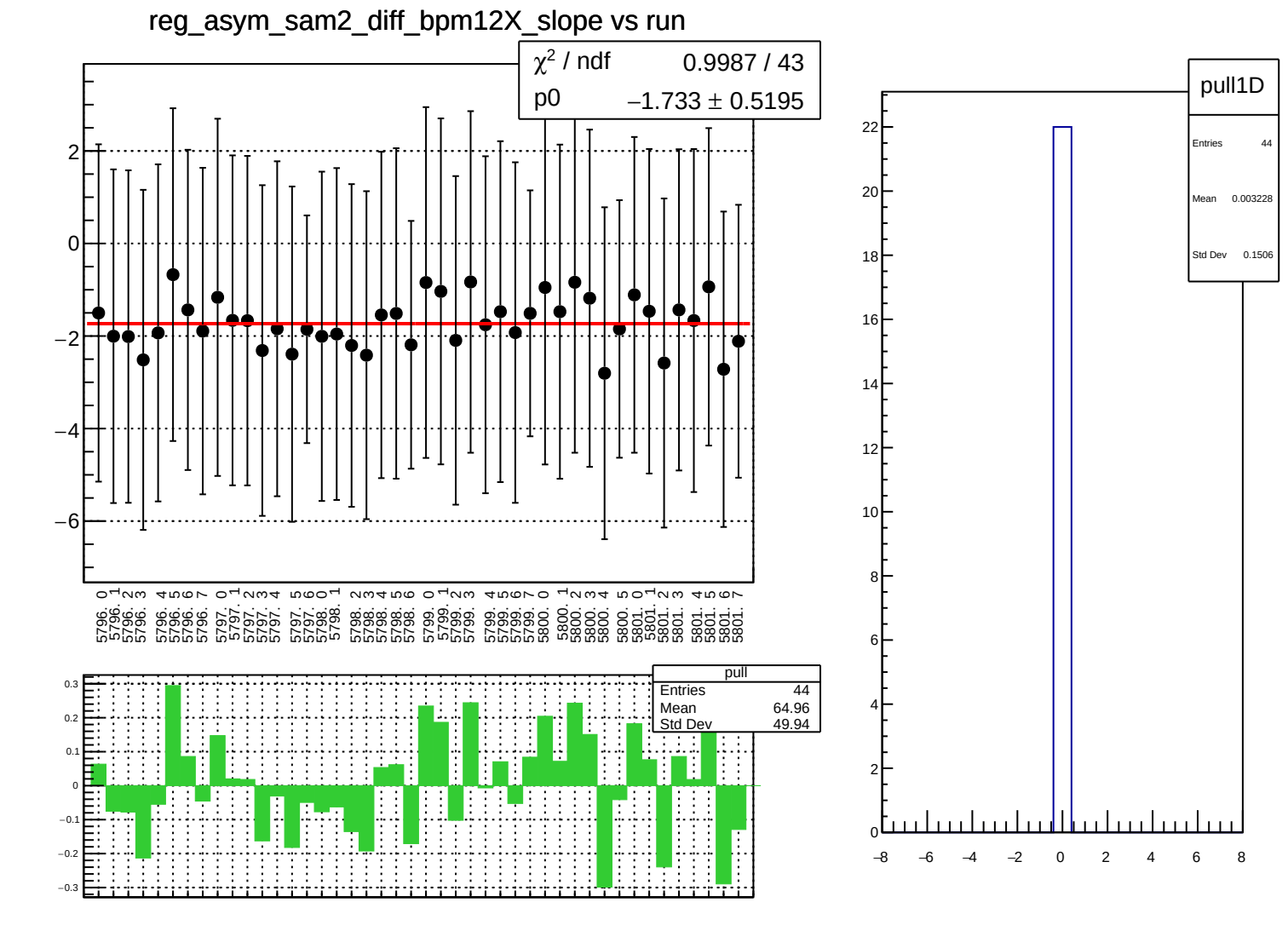

pull1D
Entries 44
Mean −0.004983
Std Dev 0.1971

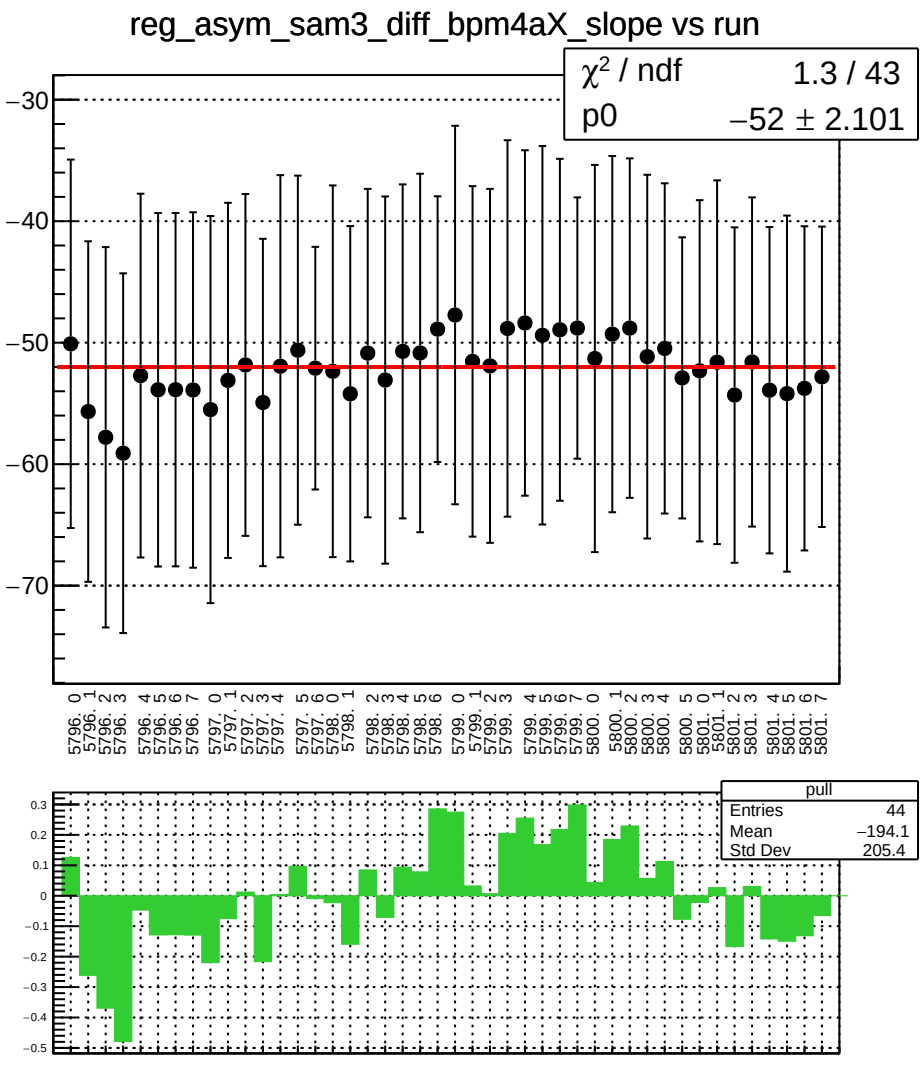

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.6897 / 43
p0 −172.8 ± 11.17
pull
Entries 44
Mean 280.9
Std Dev 267.8

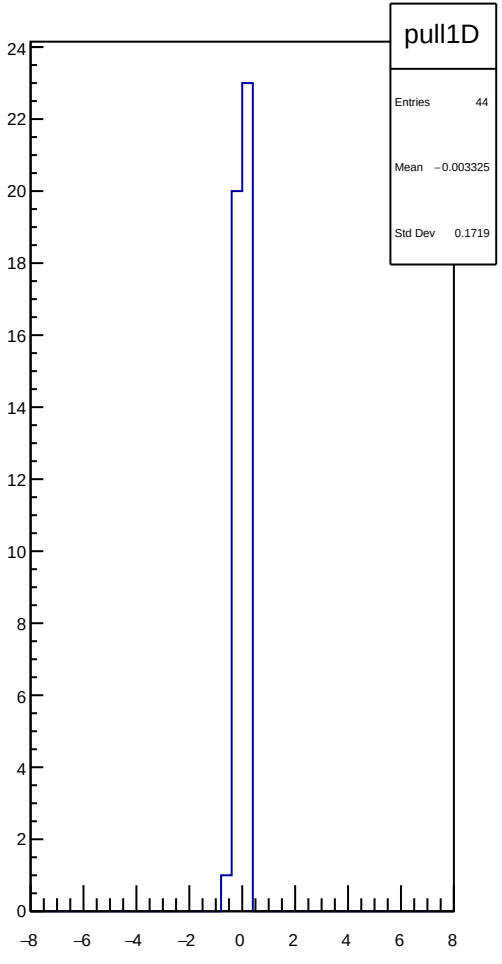

pull1D
Entries 44
Mean −0.001011
Std Dev 0.1252

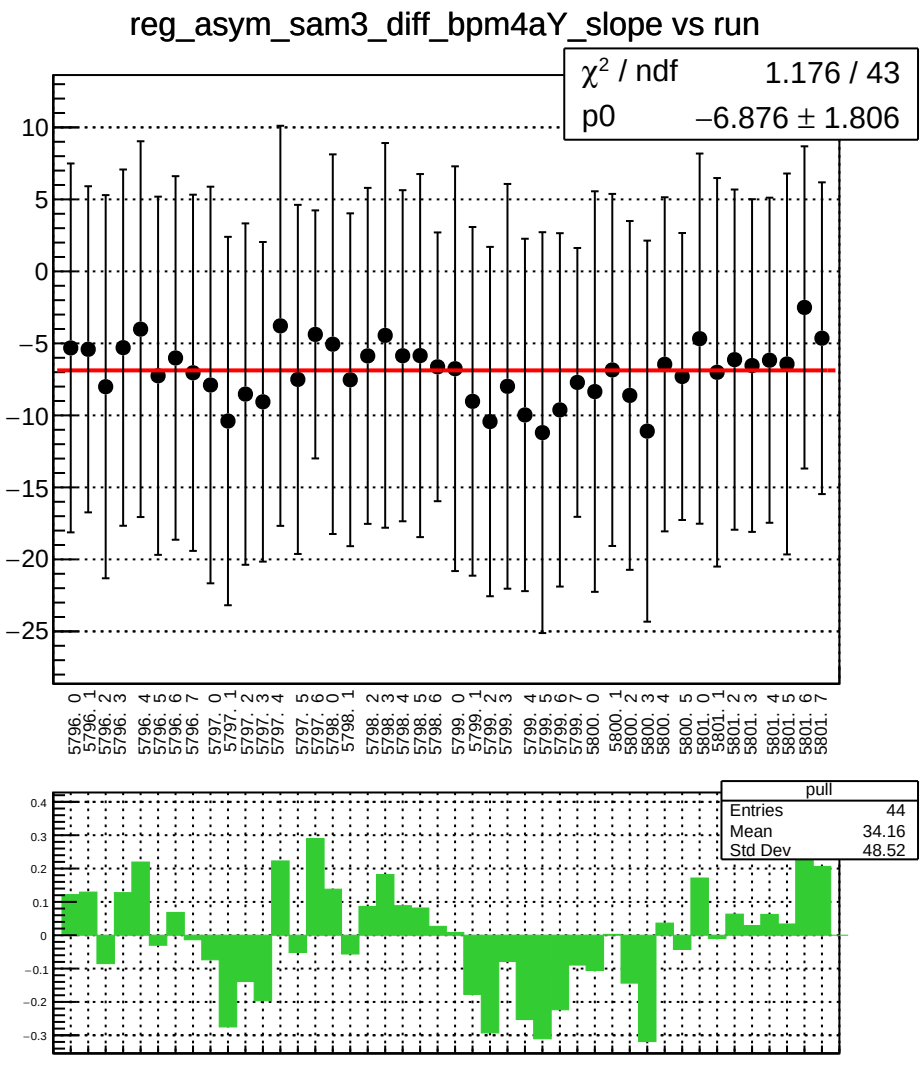

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 1.641 / 43
p0 −212 ± 8.273
pull
Entries 44
Mean 22.43
Std Dev 57.02

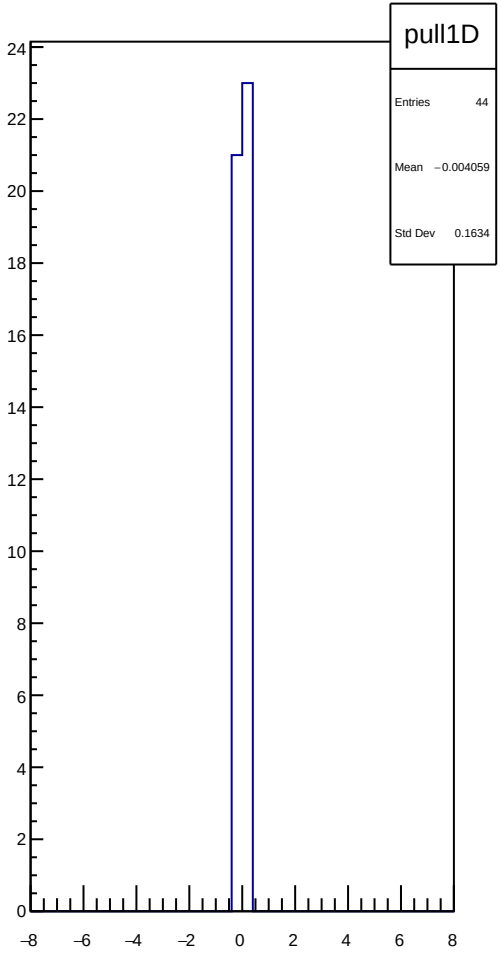

pull1D
Entries 44
Mean 0.002694
Std Dev 0.1931

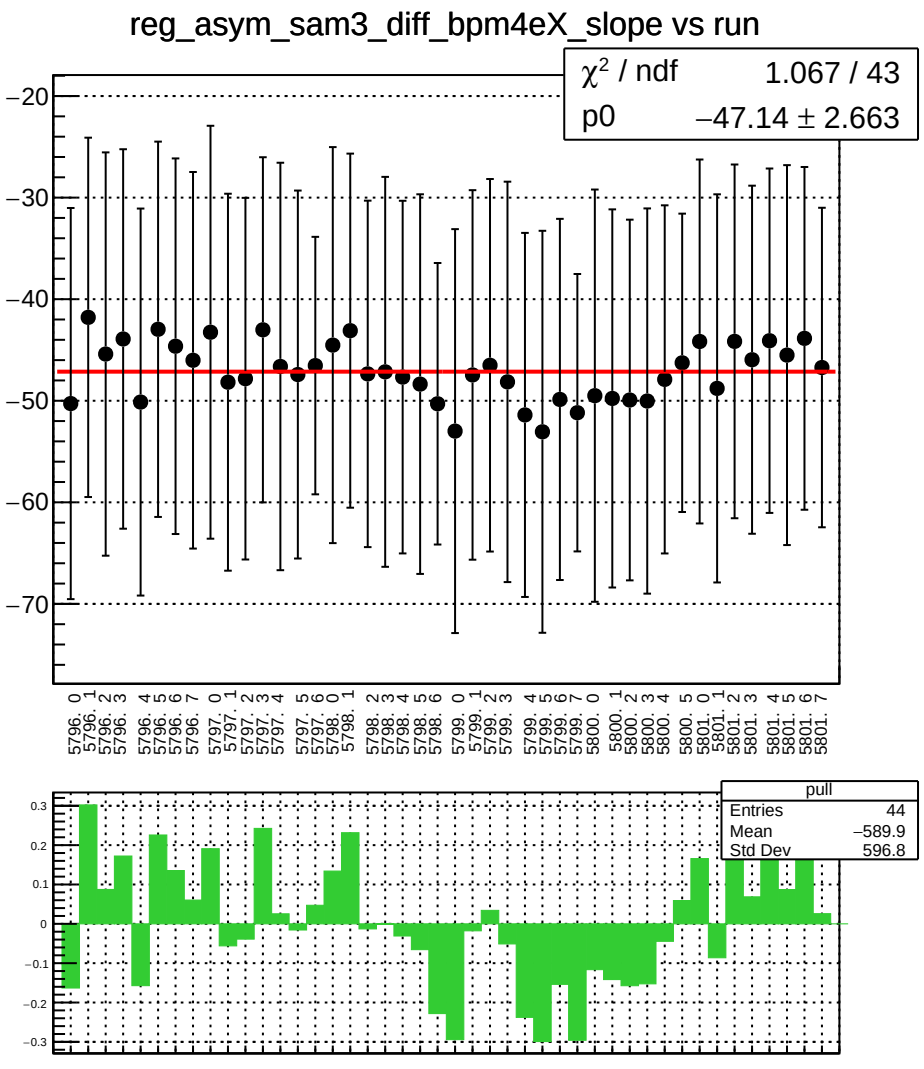

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.9987 / 43
p0 −1.733 ± 0.5195
pull
Entries 44
Mean 64.96
Std Dev 49.94
pull1D
Entries 44
Mean 0.003228
Std Dev 0.1506

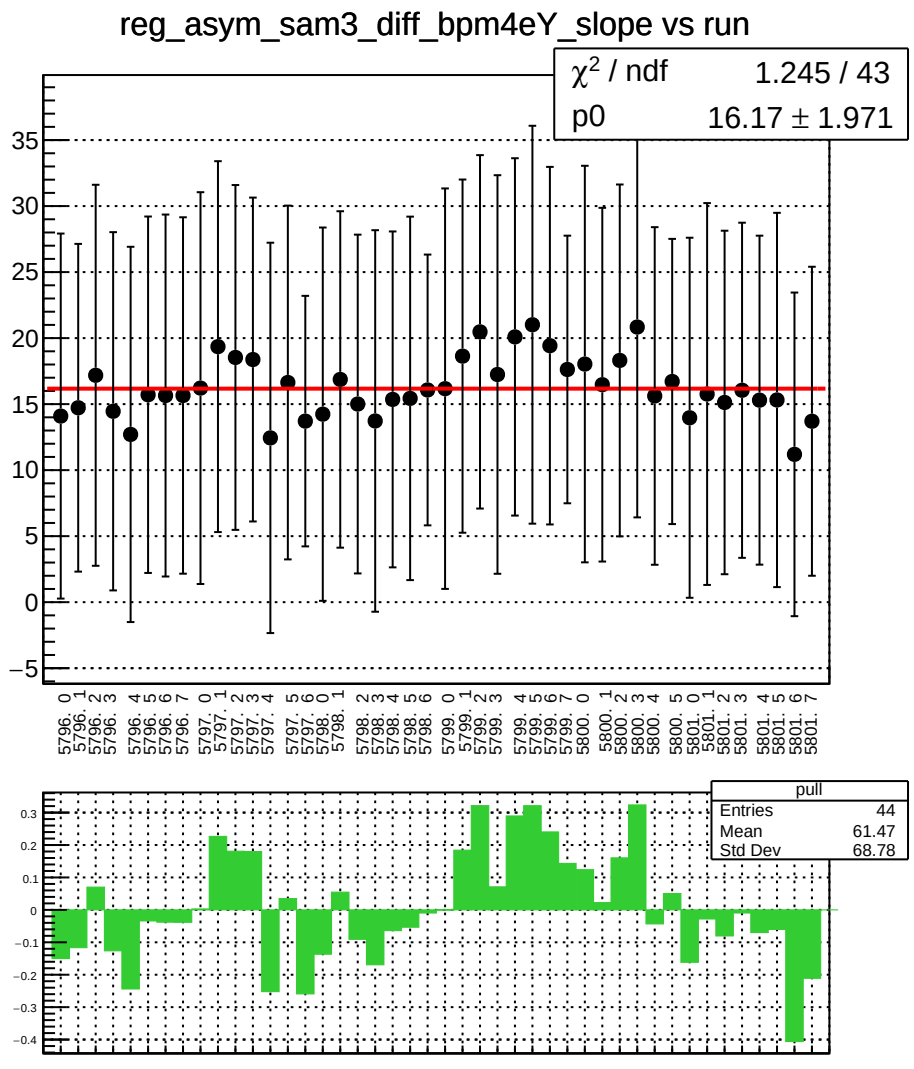

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 1.3 / 43
p0 −52 ± 2.101
pull
Entries 44
Mean −194.1
Std Dev 205.4

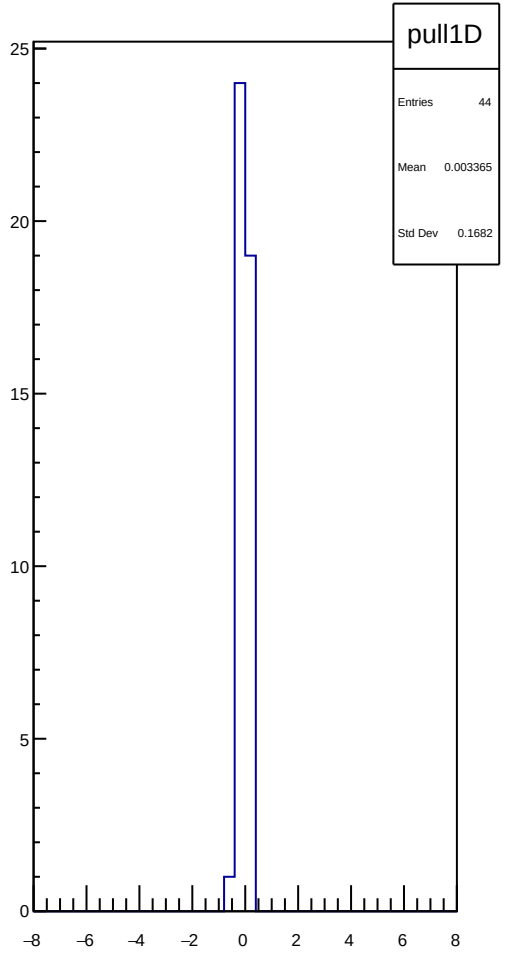

pull1D
Entries 44
Mean −0.003325
Std Dev 0.1719

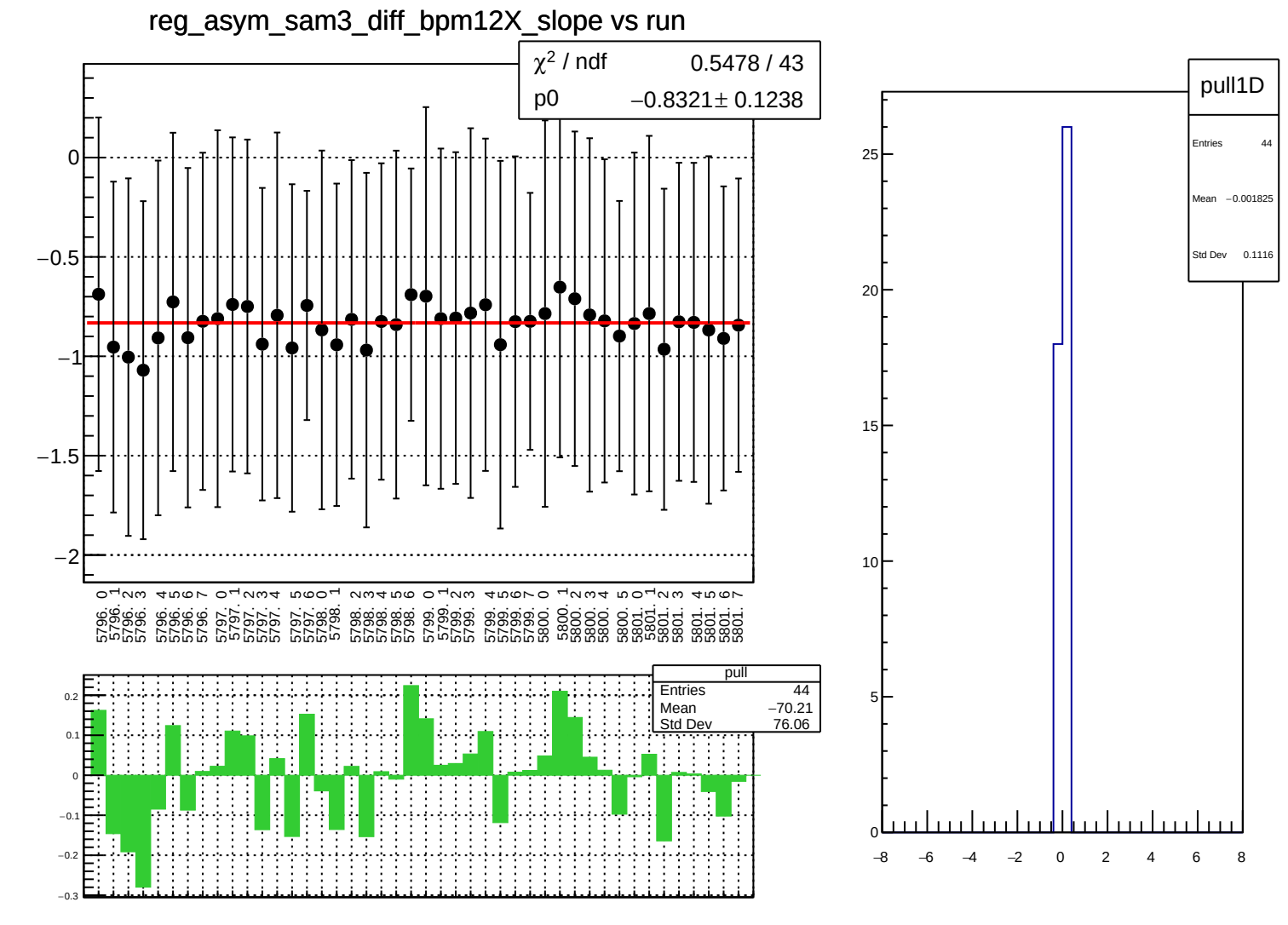

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.176 / 43
p0 −6.876 ± 1.806
pull
Entries 44
Mean 34.16
Std Dev 48.52

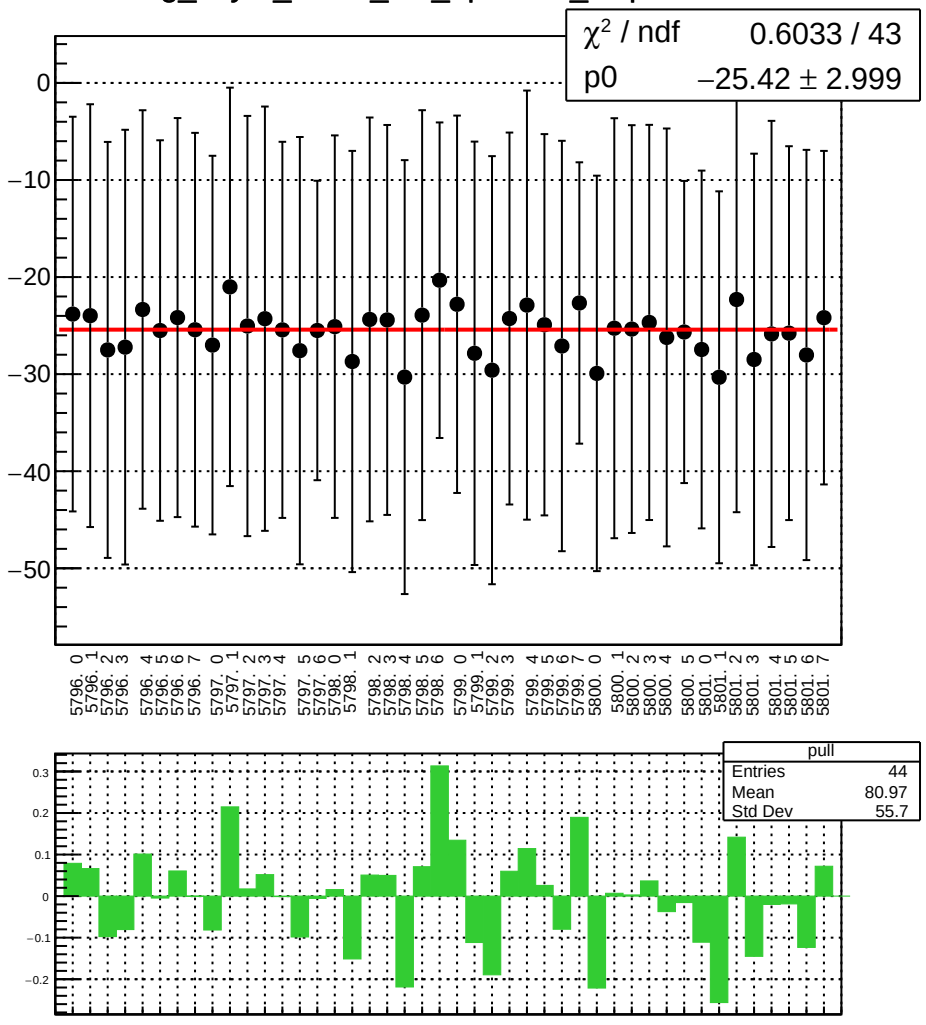

pull1D
Entries 44
Mean −0.004059
Std Dev 0.1634

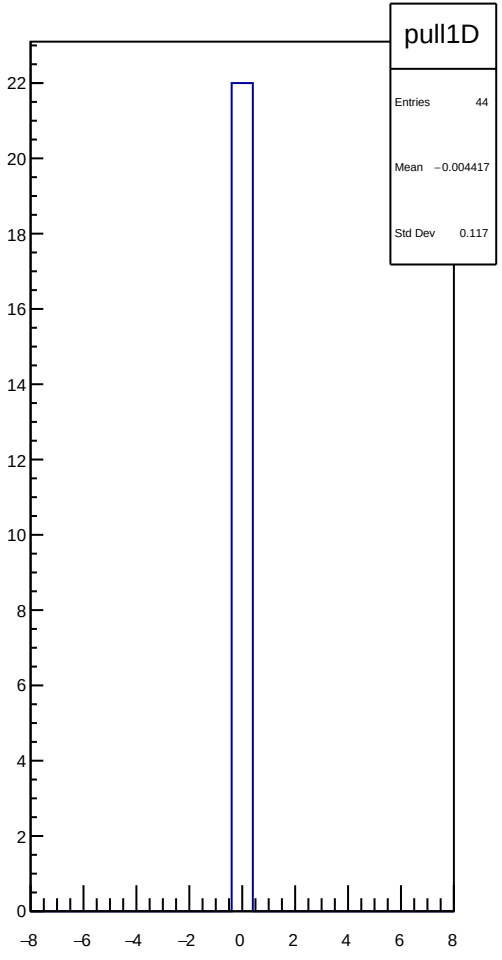

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.067 / 43
p0 −47.14 ± 2.663
−20
−30
−40
−50
−60
−70
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −589.9
Std Dev 596.8
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 44
Mean 0.00055
Std Dev 0.1557
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

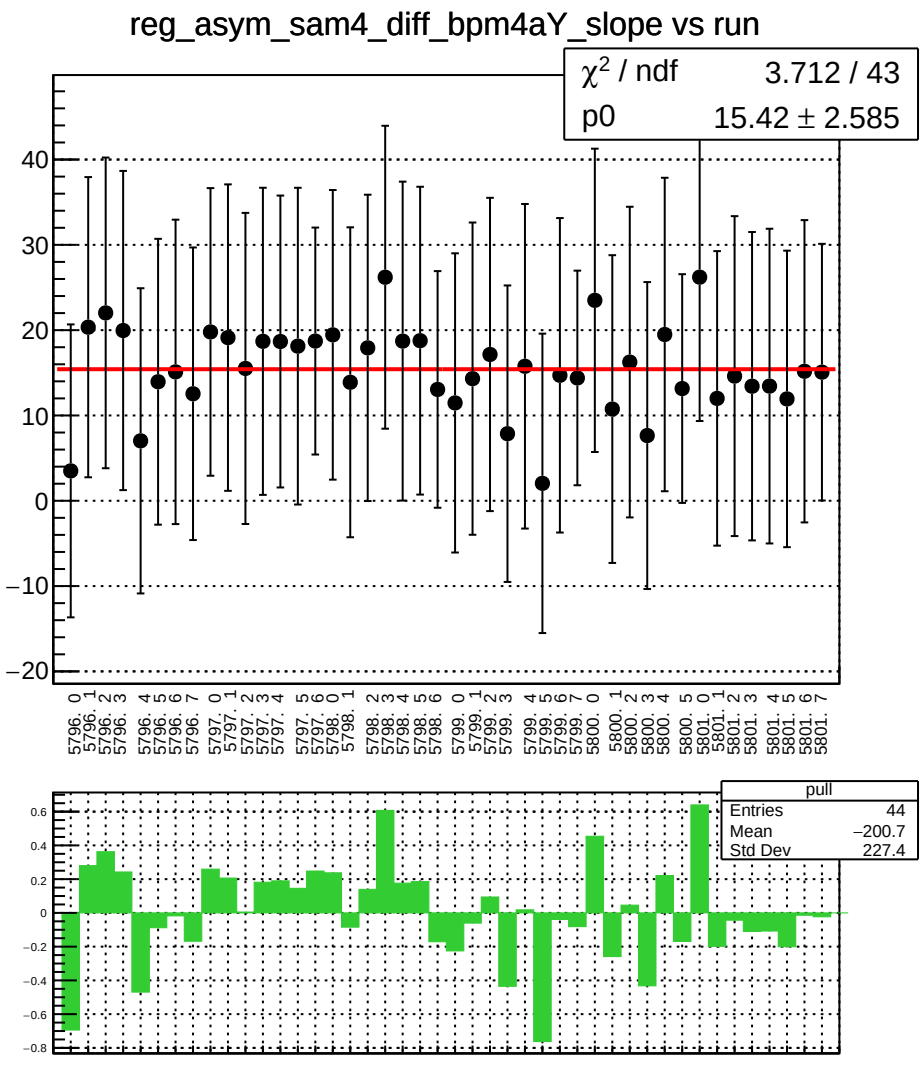

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 1.245 / 43
p0 16.17 ± 1.971
pull
Entries 44
Mean 61.47
Std Dev 68.78

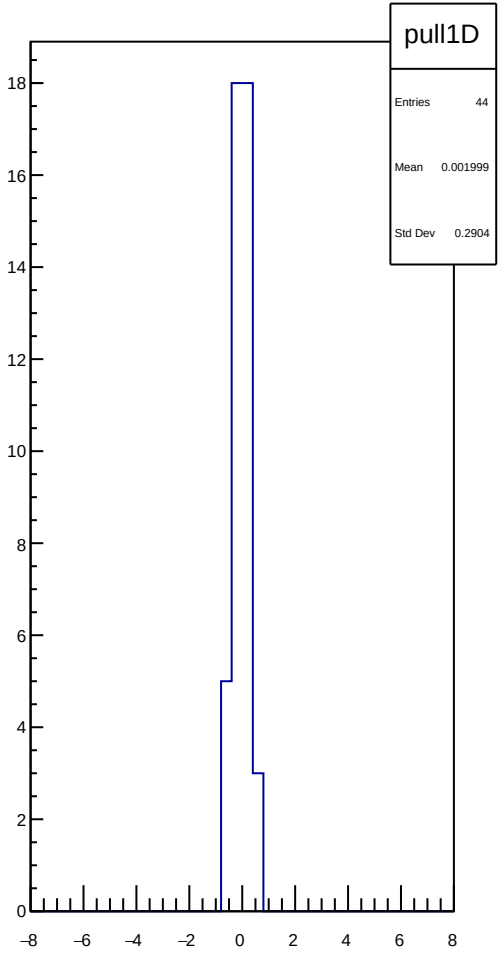

pull1D
Entries 44
Mean 0.003365
Std Dev 0.1682

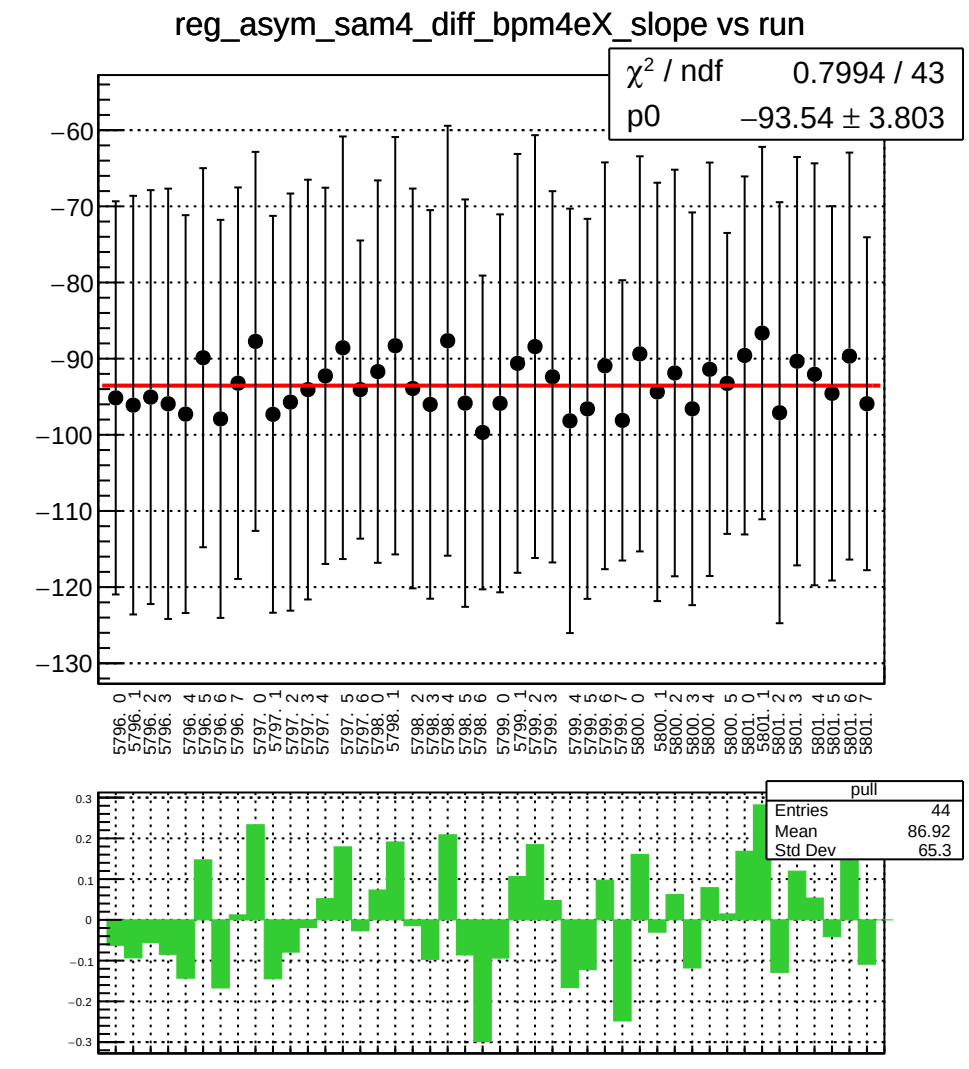

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.5478 / 43
p0 −0.8321± 0.1238
pull
Entries 44
Mean −70.21
Std Dev 76.06
pull1D
Entries 44
Mean −0.001825
Std Dev 0.1116

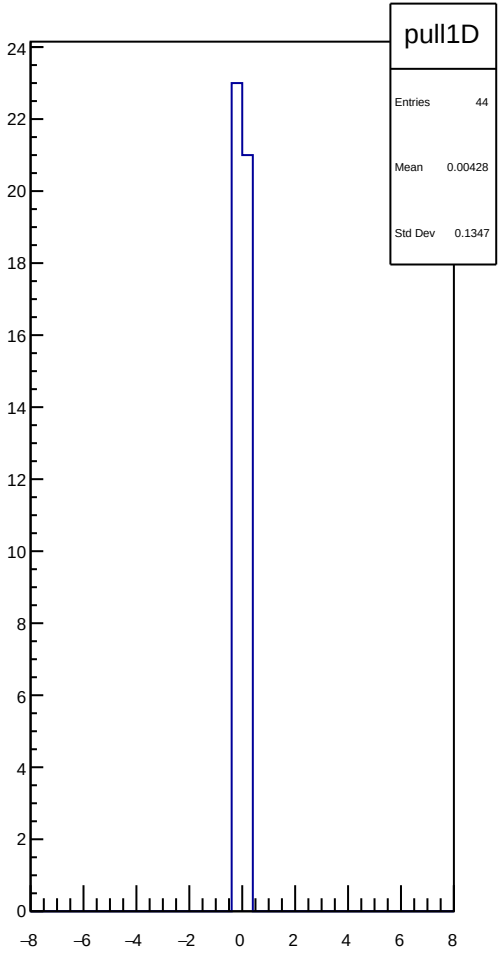

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 0.6033 / 43
p0 −25.42 ± 2.999
pull
Entries 44
Mean 80.97
Std Dev 55.7

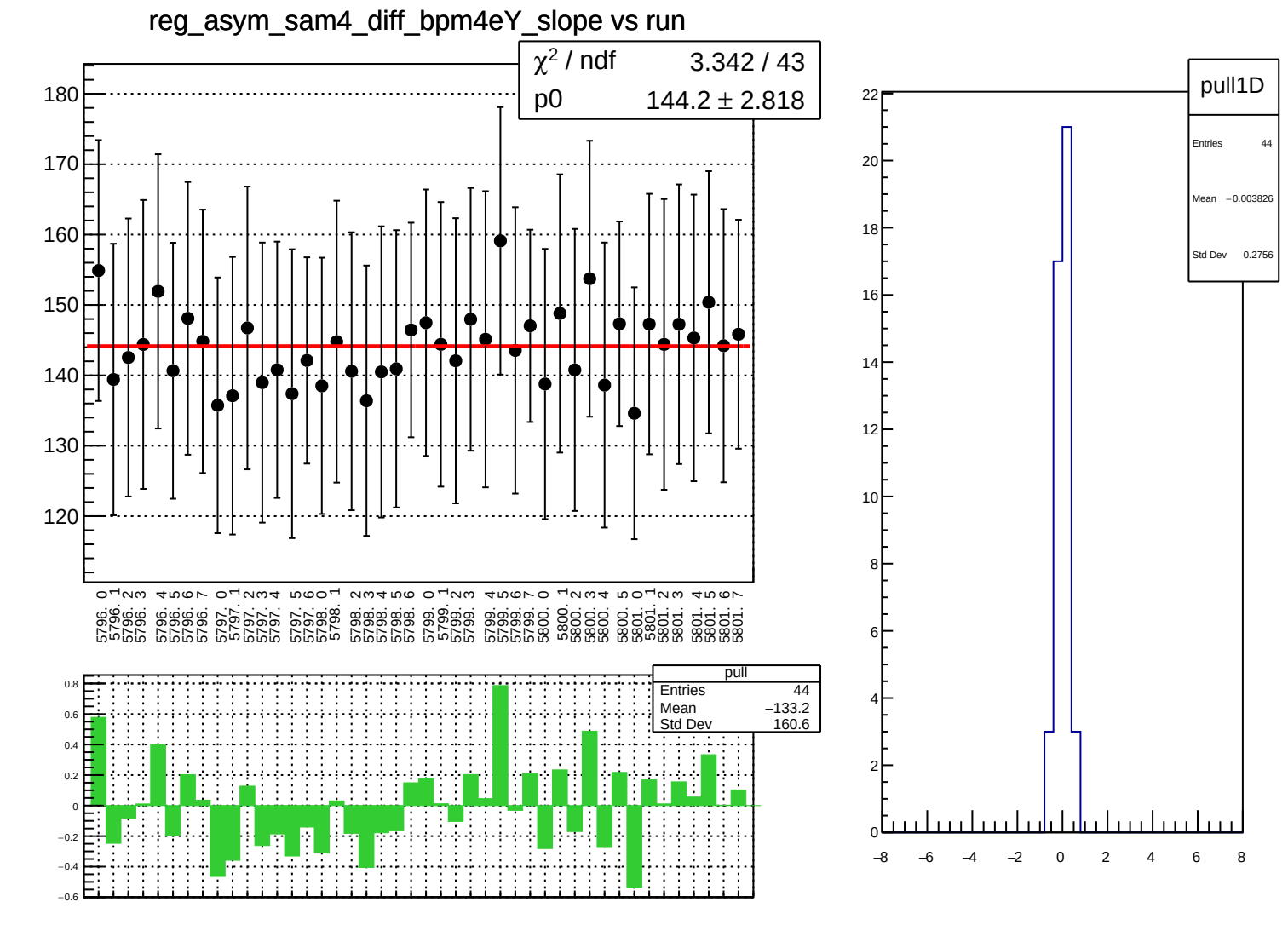

pull1D
Entries 44
Mean −0.004417
Std Dev 0.117

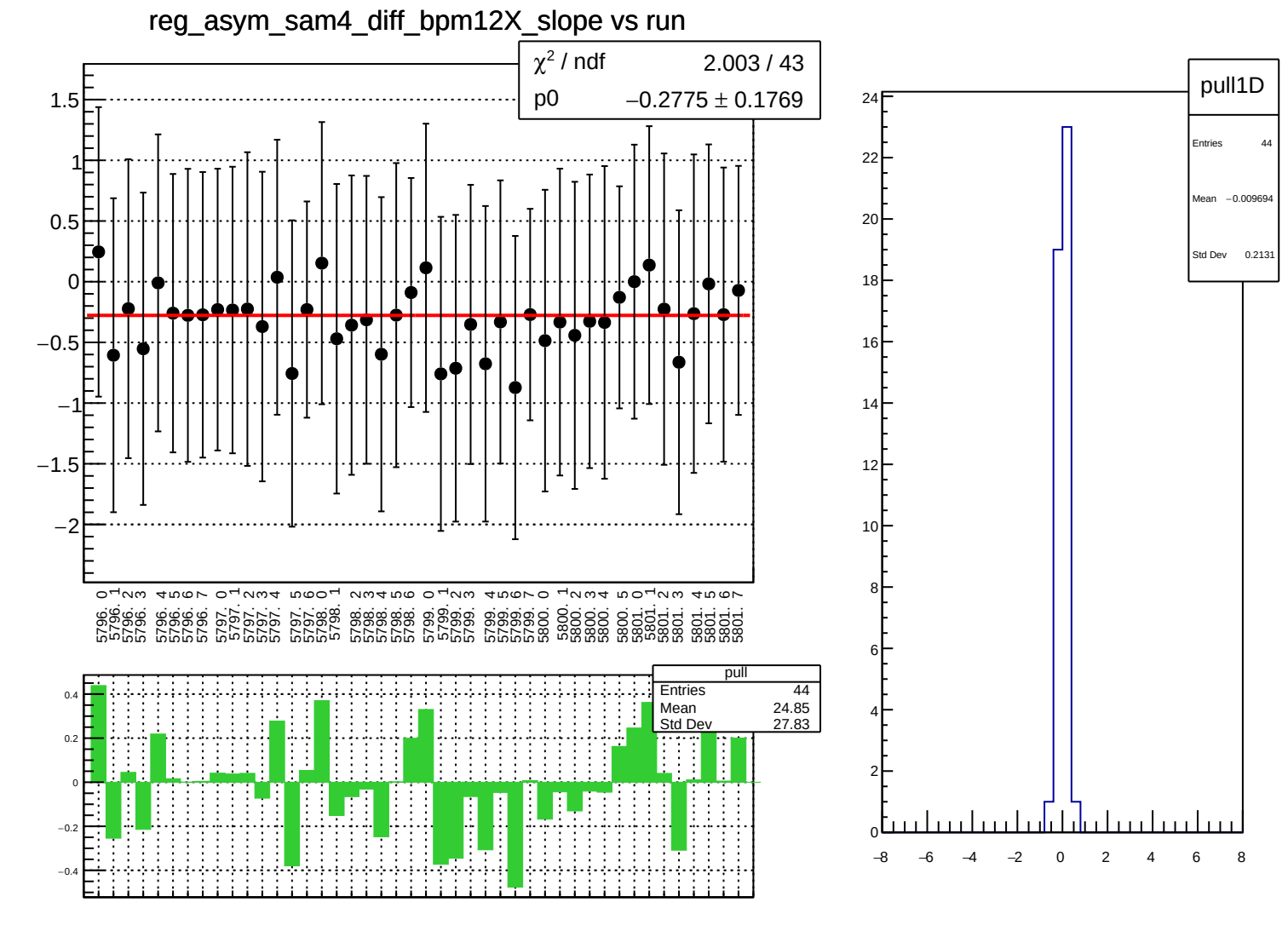

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.712 / 43
p0 15.42 ± 2.585
pull
Entries 44
Mean −200.7
Std Dev 227.4

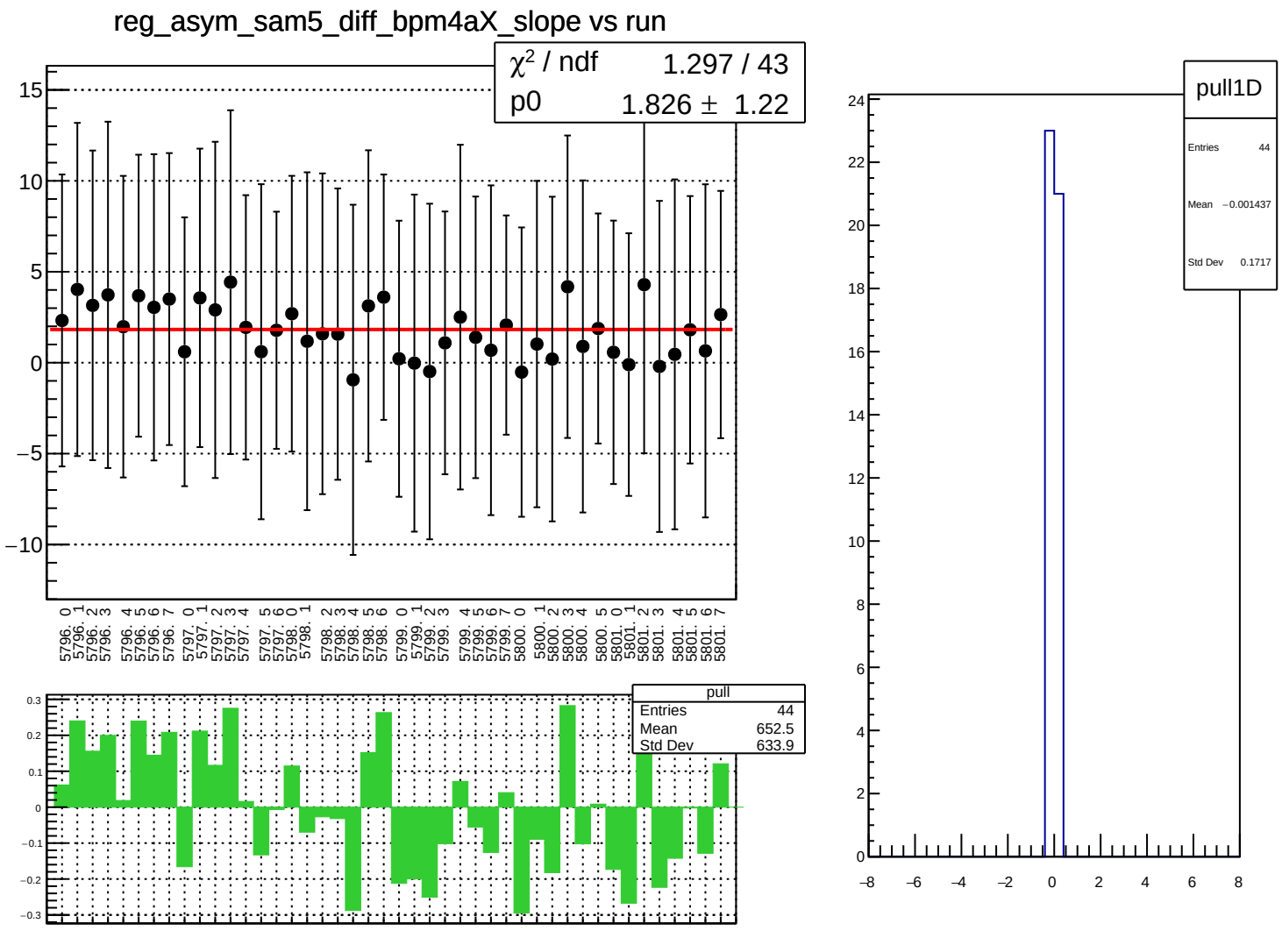

pull1D
Entries 44
Mean 0.001999
Std Dev 0.2904

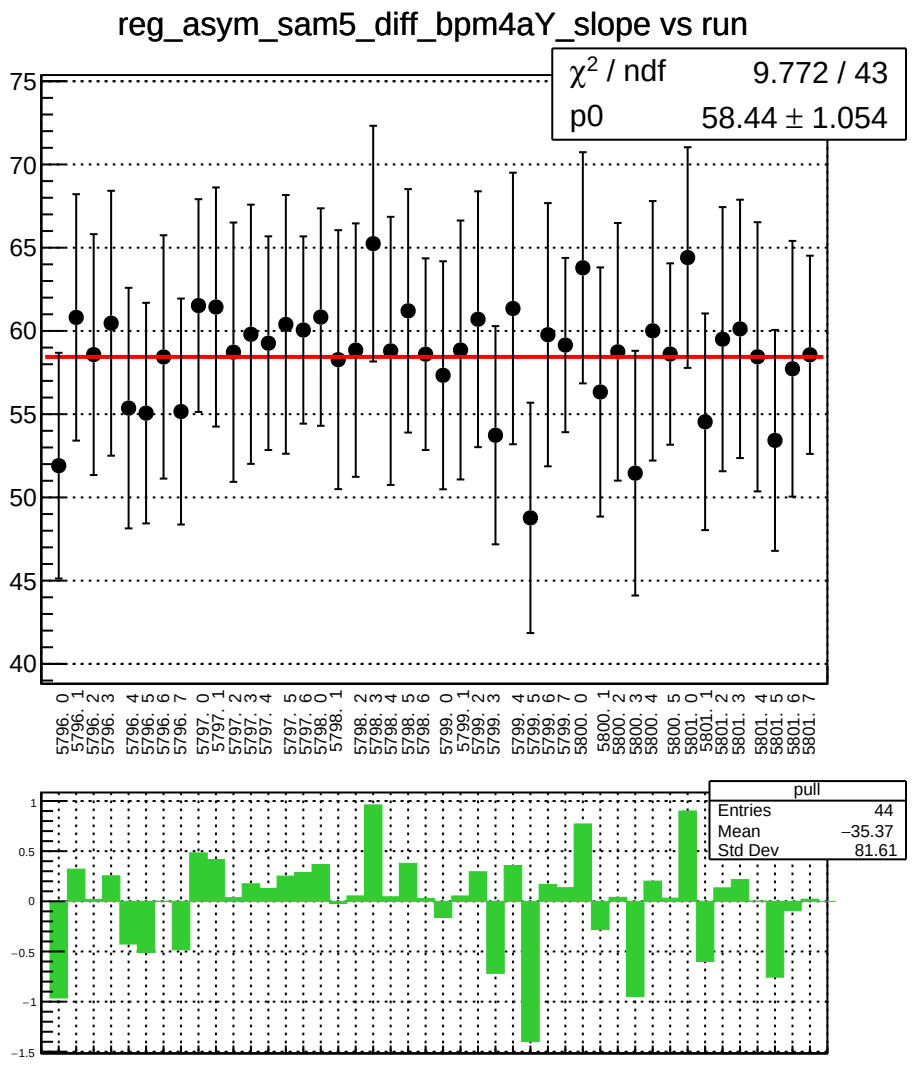

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 0.7994 / 43
p0 −93.54 ± 3.803
pull
Entries 44
Mean 86.92
Std Dev 65.3

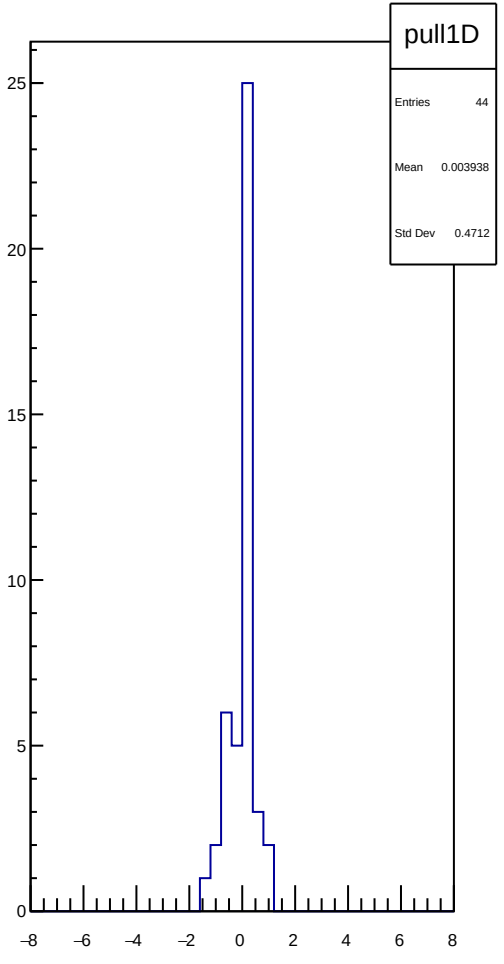

pull1D
Entries 44
Mean 0.00428
Std Dev 0.1347

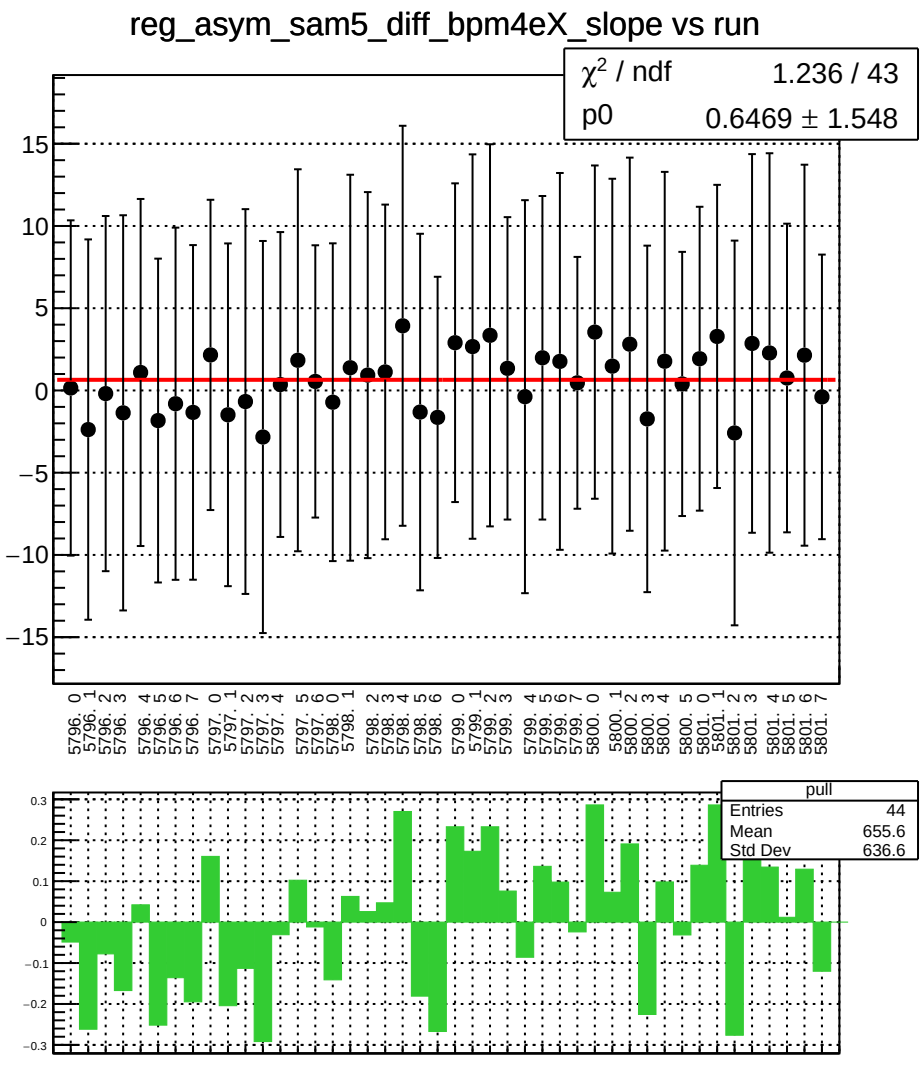

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 3.342 / 43
p0 144.2 ± 2.818
pull
Entries 44
Mean −133.2
Std Dev 160.6
pull1D
Entries 44
Mean −0.003826
Std Dev 0.2756

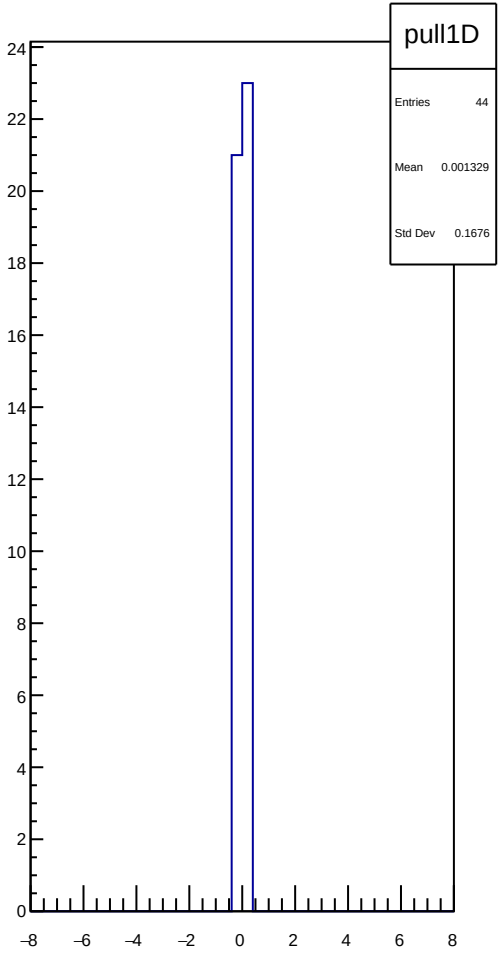

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 2.003 / 43
p0 −0.2775 ± 0.1769
pull
Entries 44
Mean 24.85
Std Dev 27.83
pull1D
Entries 44
Mean −0.009694
Std Dev 0.2131

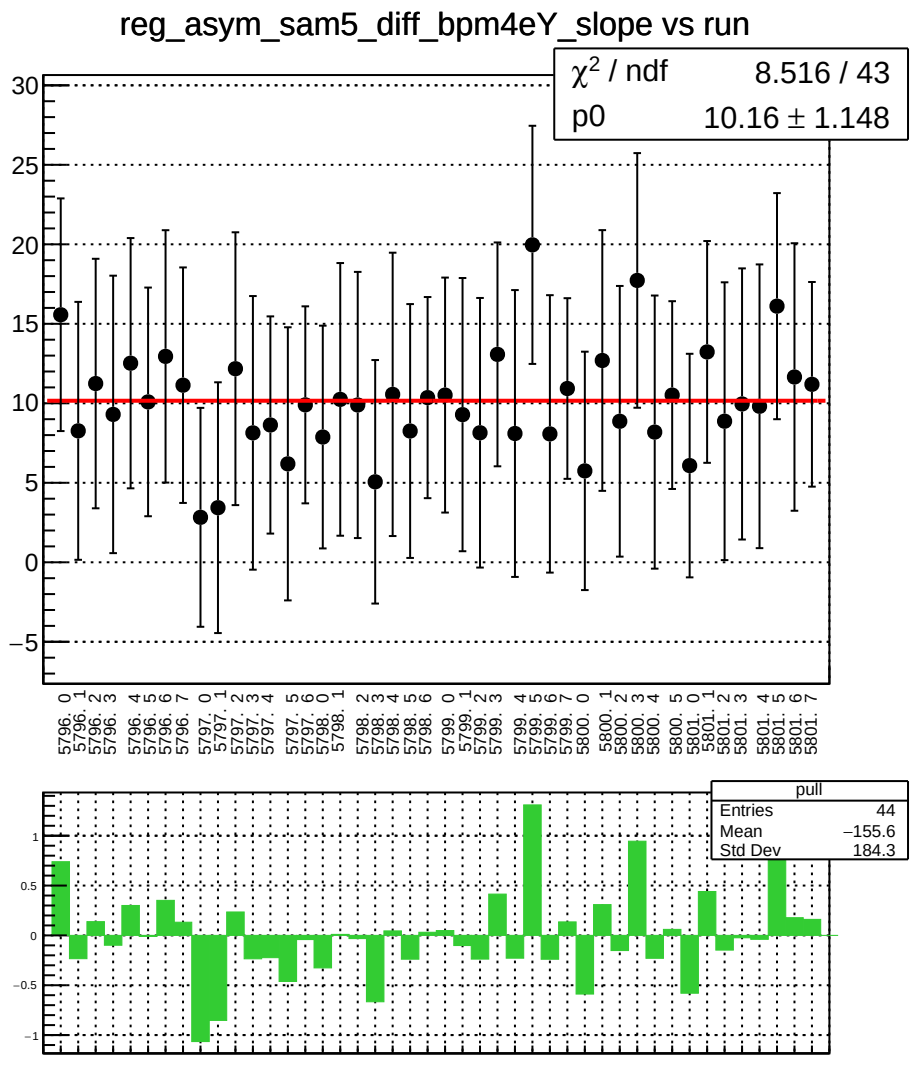

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 1.297 / 43
p0 1.826 ± 1.22
pull
Entries 44
Mean 652.5
Std Dev 633.9
pull1D
Entries 44
Mean −0.001437
Std Dev 0.1717

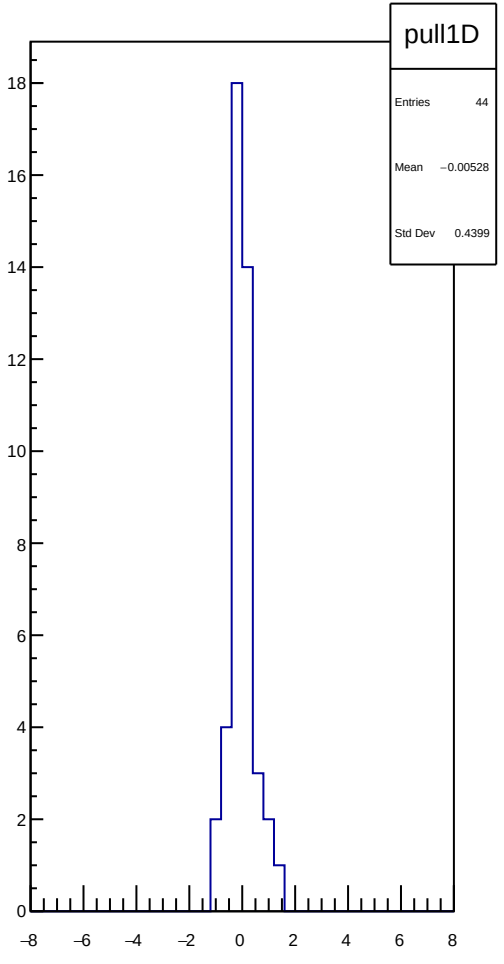

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 9.772 / 43
p0 58.44 ± 1.054
pull
Entries 44
Mean −35.37
Std Dev 81.61

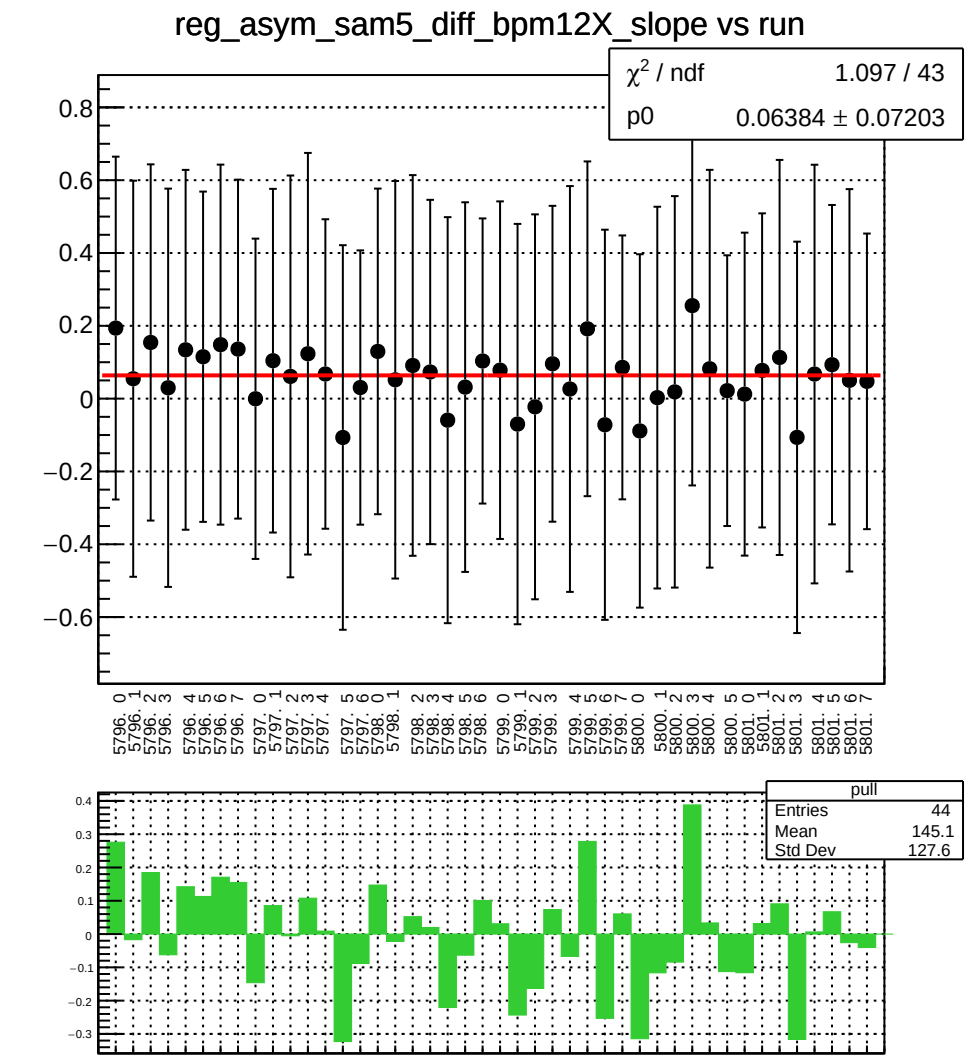

pull1D
Entries 44
Mean 0.003938
Std Dev 0.4712

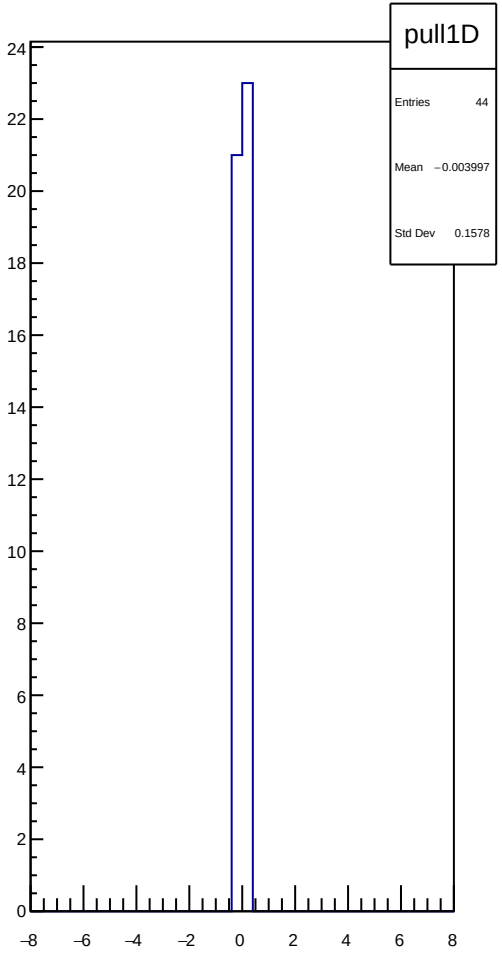

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.236 / 43
p0 0.6469 ± 1.548
pull
Entries 44
Mean 655.6
Std Dev 636.6

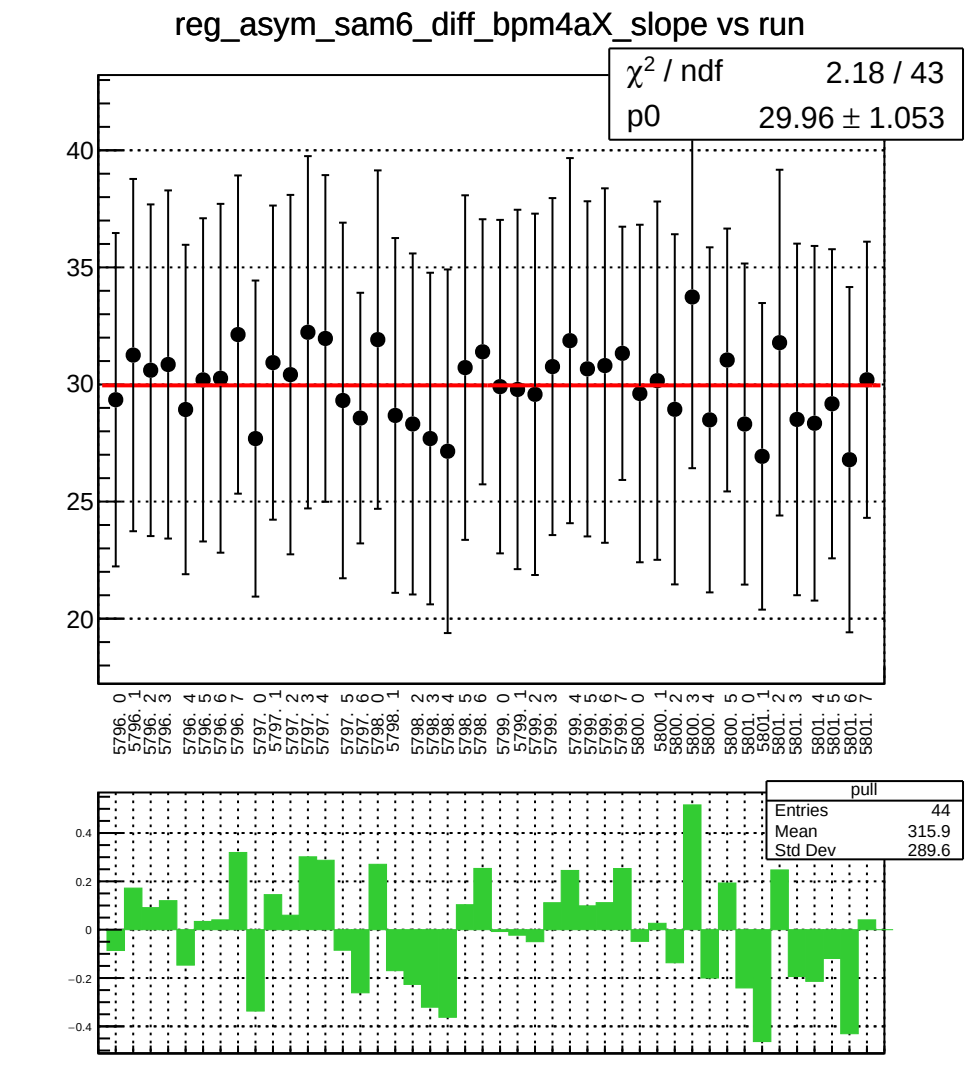

pull1D
Entries 44
Mean 0.001329
Std Dev 0.1676

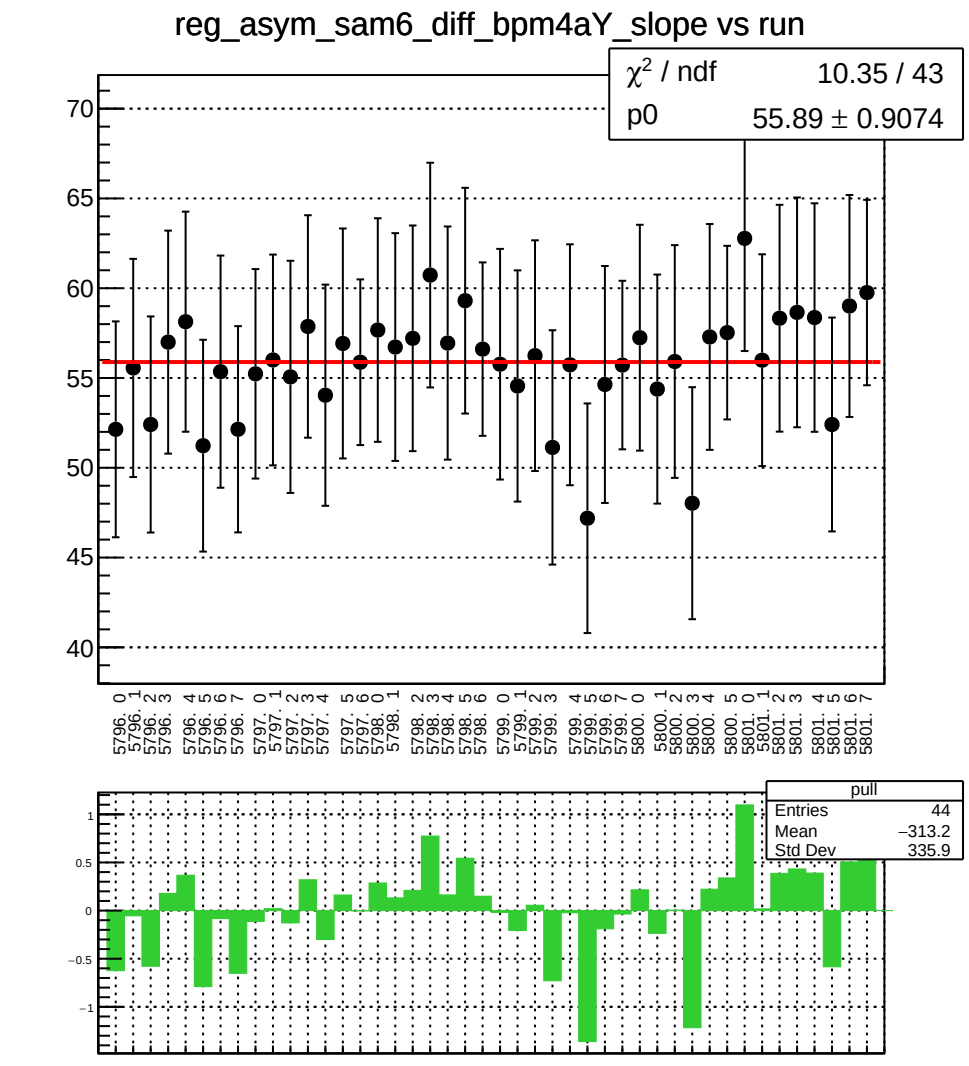

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 8.516 / 43
p0 10.16 ± 1.148
pull
Entries 44
Mean −155.6
Std Dev 184.3

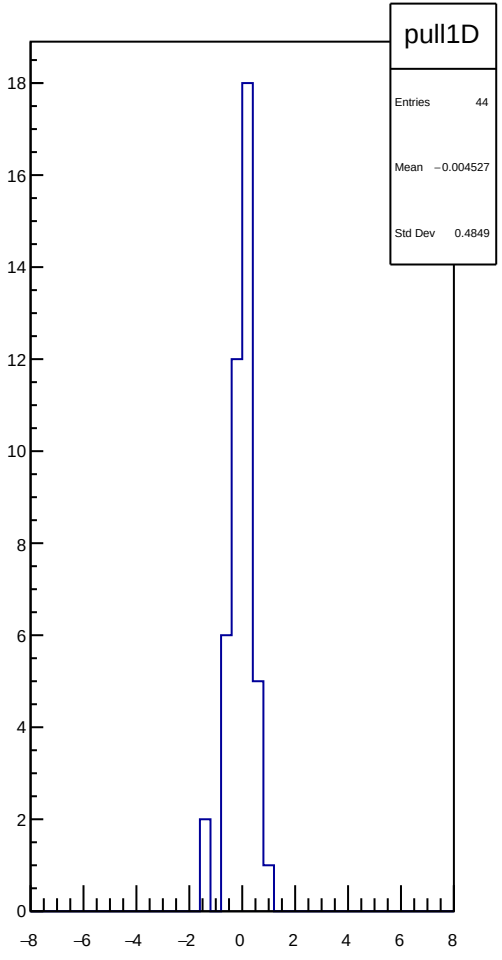

pull1D
Entries 44
Mean −0.00528
Std Dev 0.4399

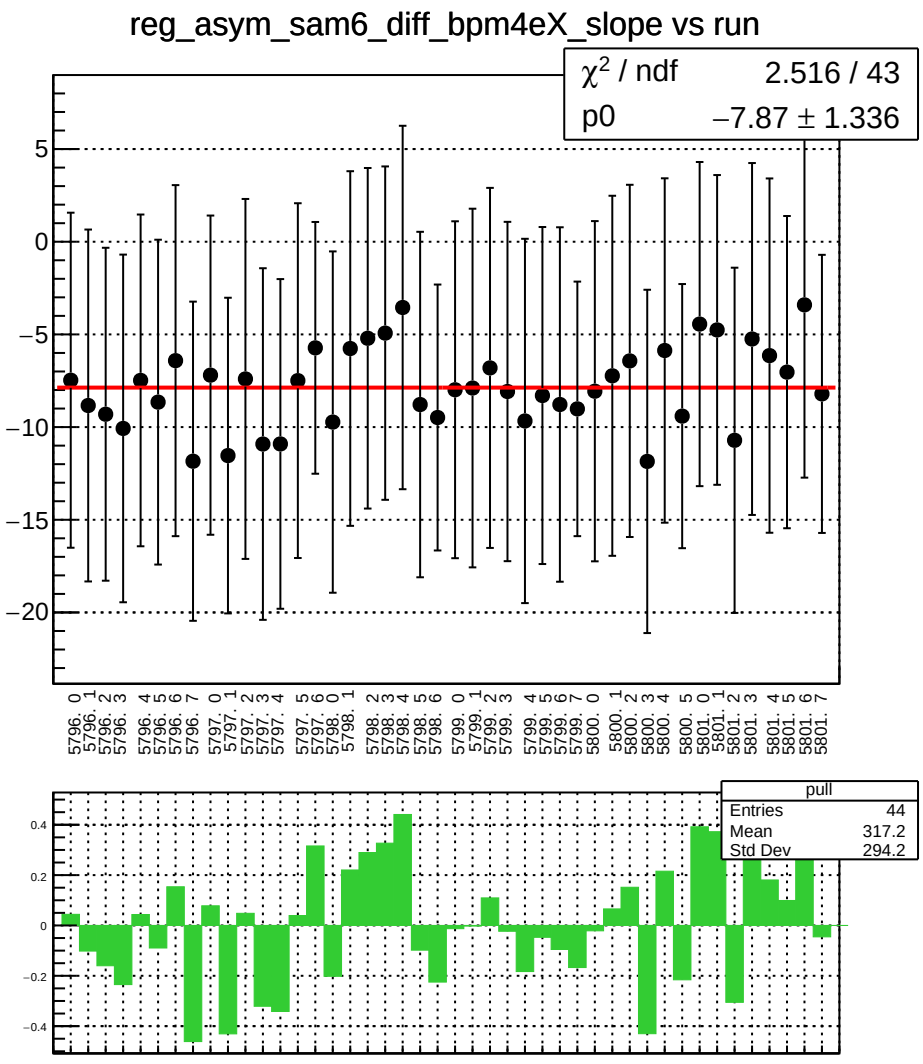

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 1.097 / 43
p0 0.06384 ± 0.07203
pull
Entries 44
Mean 145.1
Std Dev 127.6

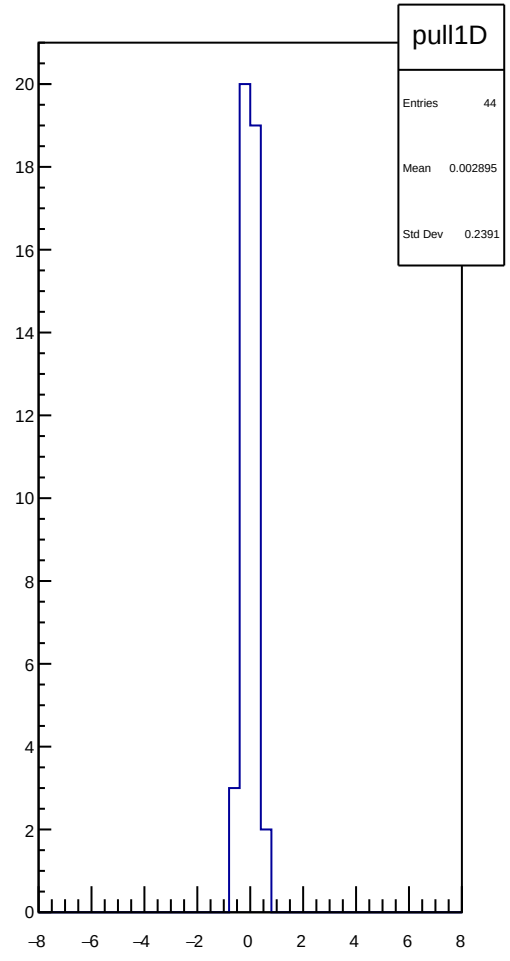

pull1D
Entries 44
Mean −0.003997
Std Dev 0.1578

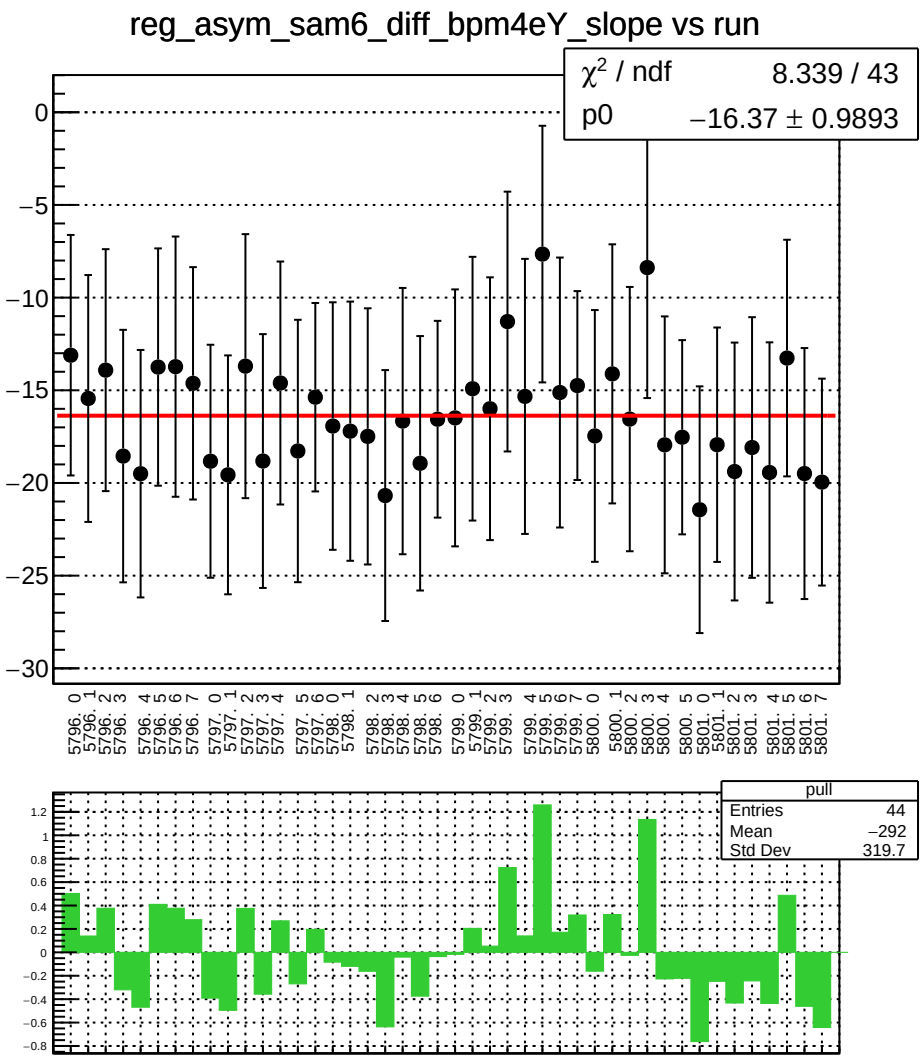

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 2.18 / 43
p0 29.96 ± 1.053
40
35
30
25
20
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 315.9
Std Dev 289.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 44
Mean −0.001811
Std Dev 0.2226
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

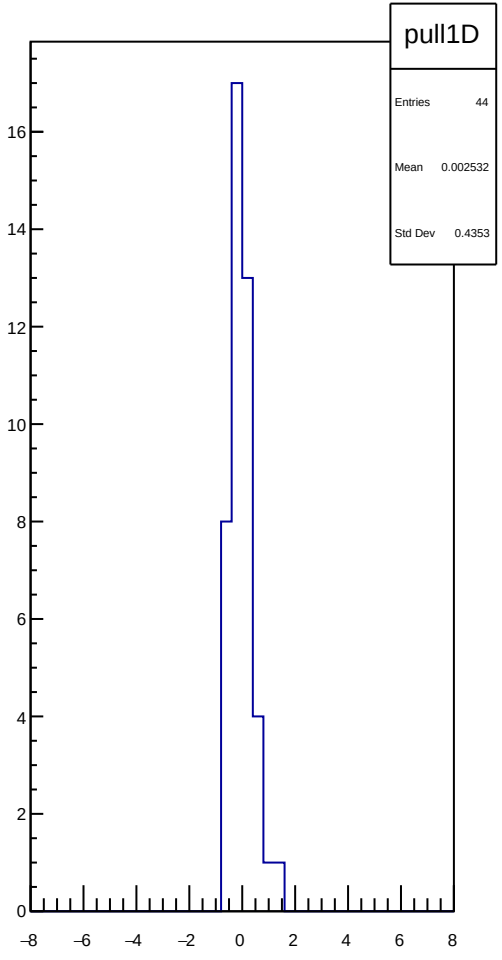

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 10.35 / 43
p0 55.89 ± 0.9074
pull
Entries 44
Mean −313.2
Std Dev 335.9

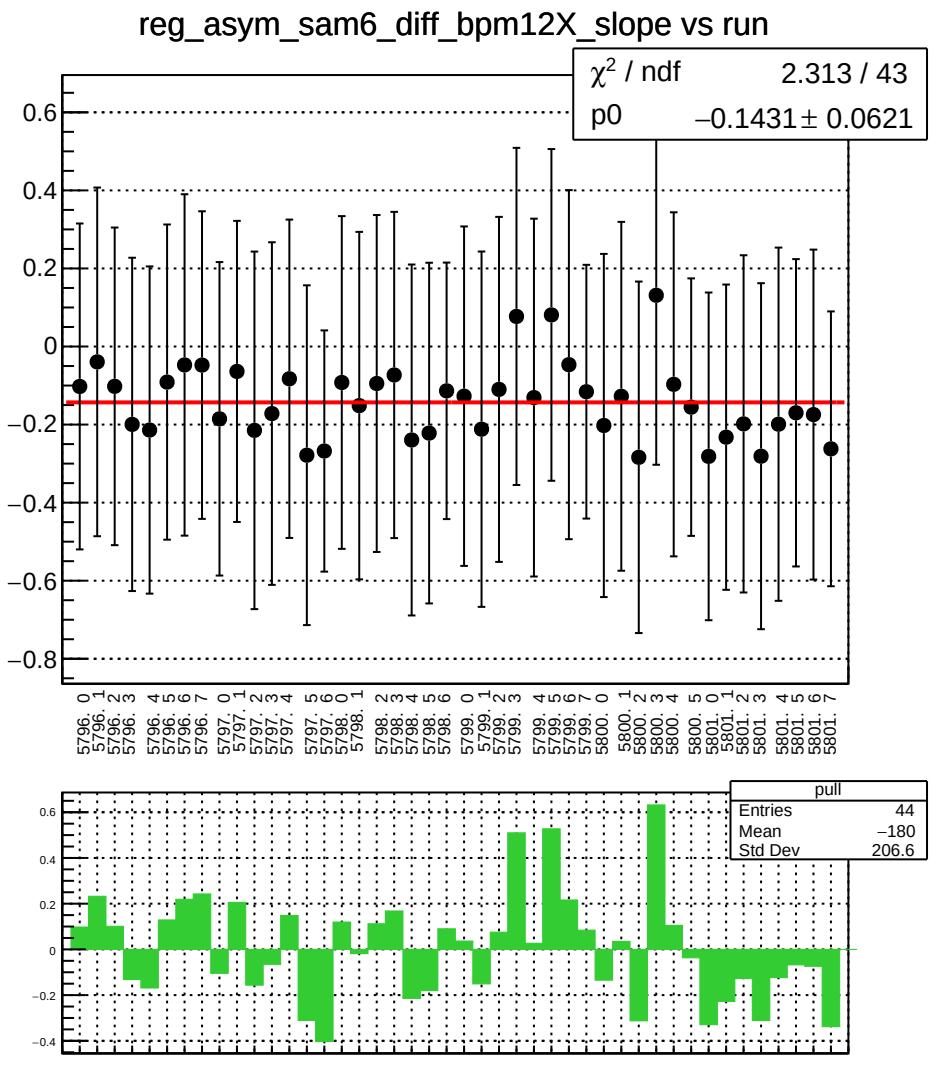

pull1D
Entries 44
Mean −0.004527
Std Dev 0.4849

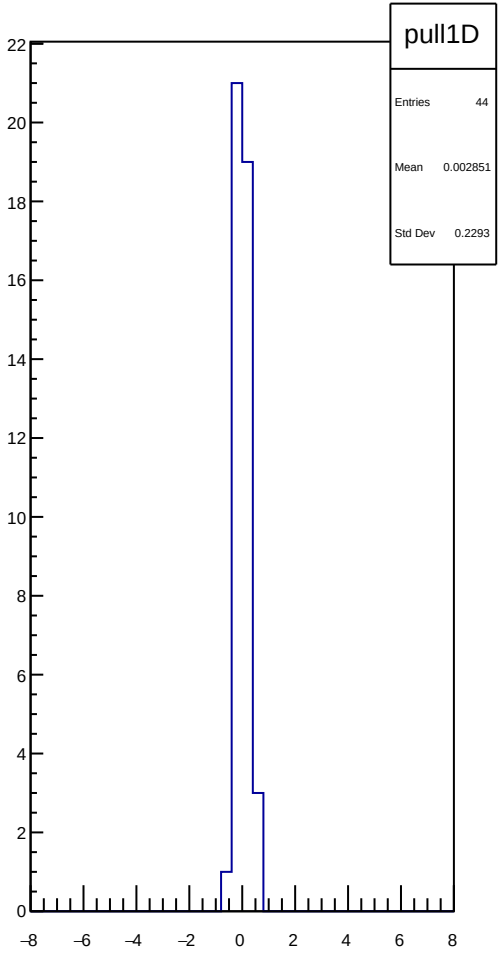

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.516 / 43
p0 −7.87 ± 1.336
pull
Entries 44
Mean 317.2
Std Dev 294.2

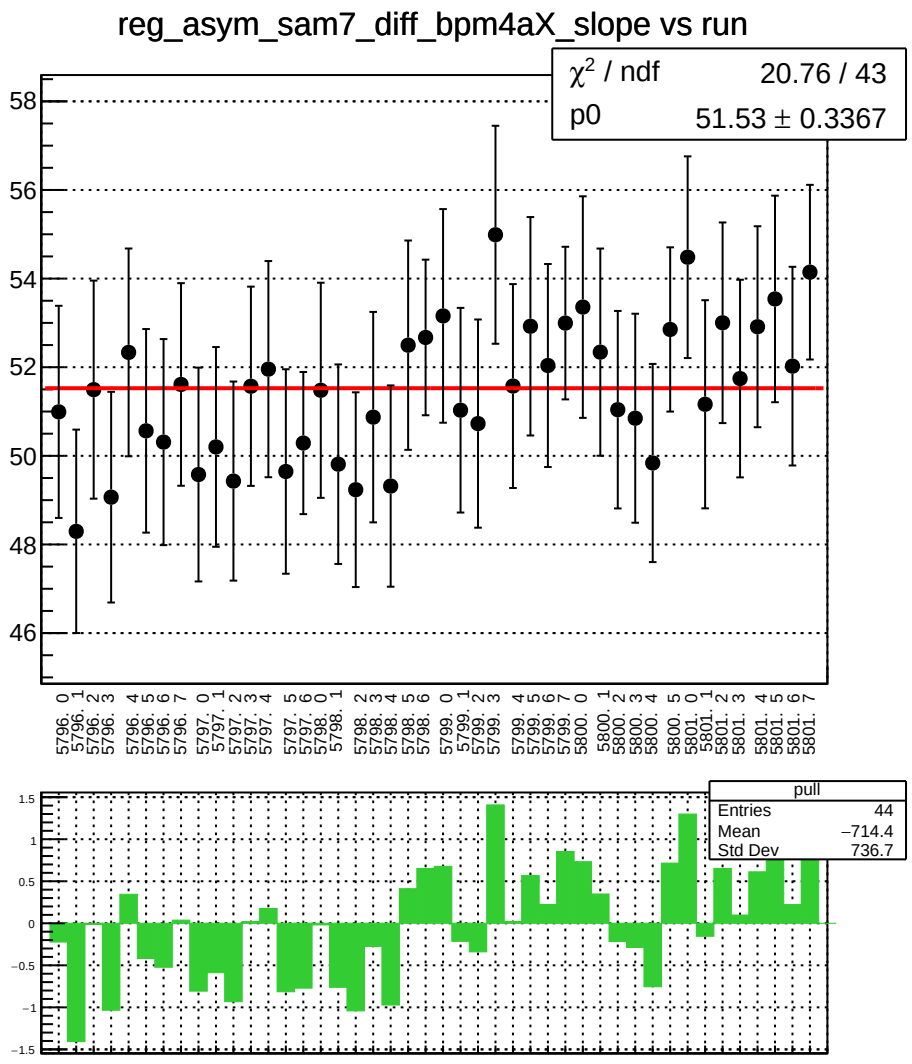

pull1D
Entries 44
Mean 0.002895
Std Dev 0.2391

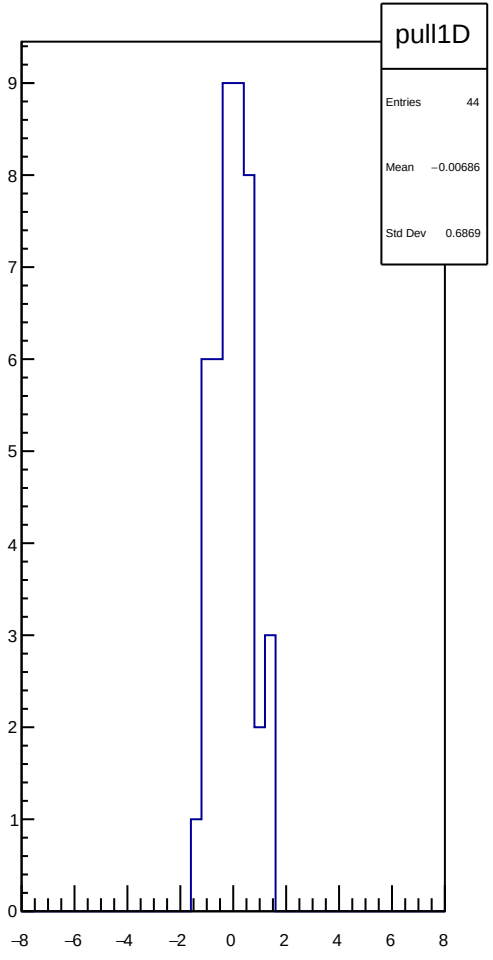

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 8.339 / 43
p0 −16.37 ± 0.9893
pull
Entries 44
Mean −292
Std Dev 319.7

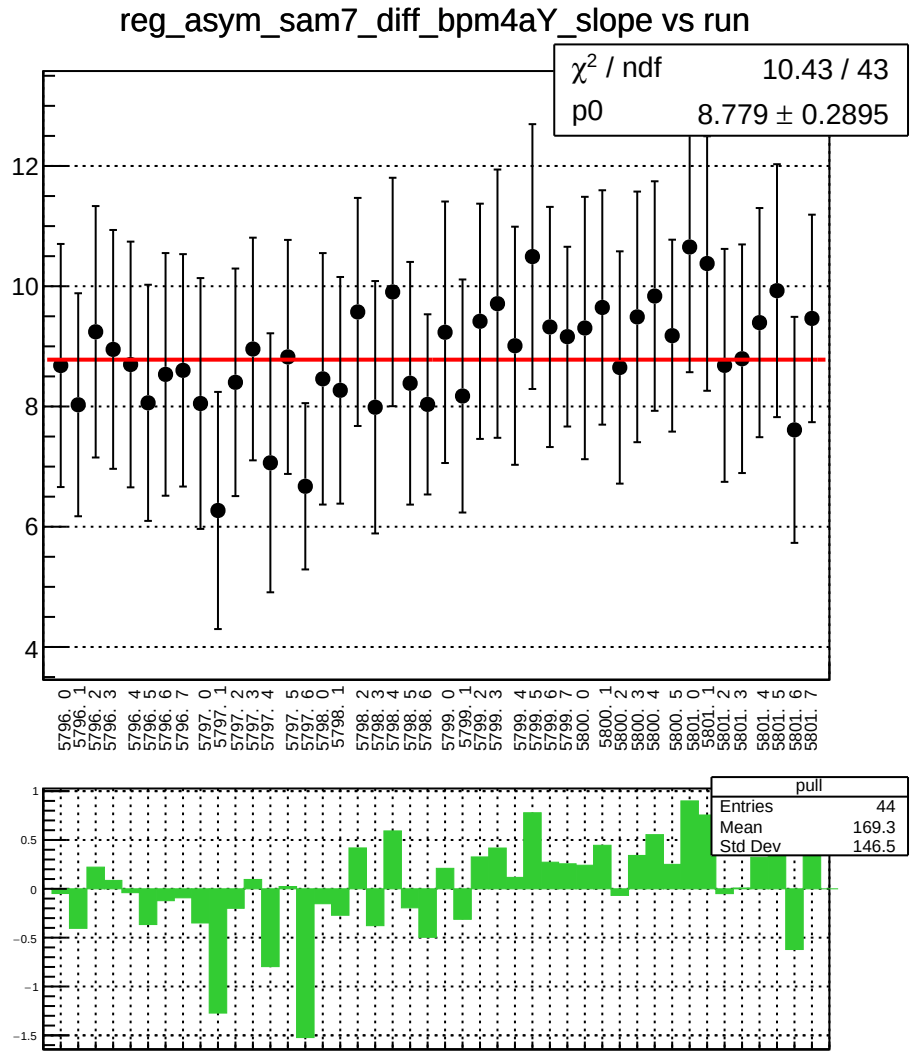

pull1D
Entries 44
Mean 0.002532
Std Dev 0.4353

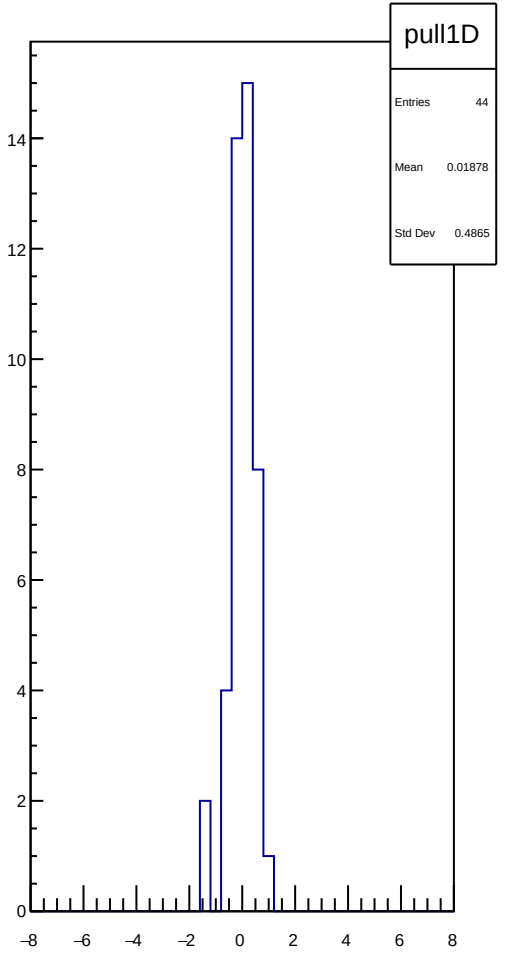

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 2.313 / 43
p0 −0.1431 ± 0.0621
pull
Entries 44
Mean −180
Std Dev 206.6

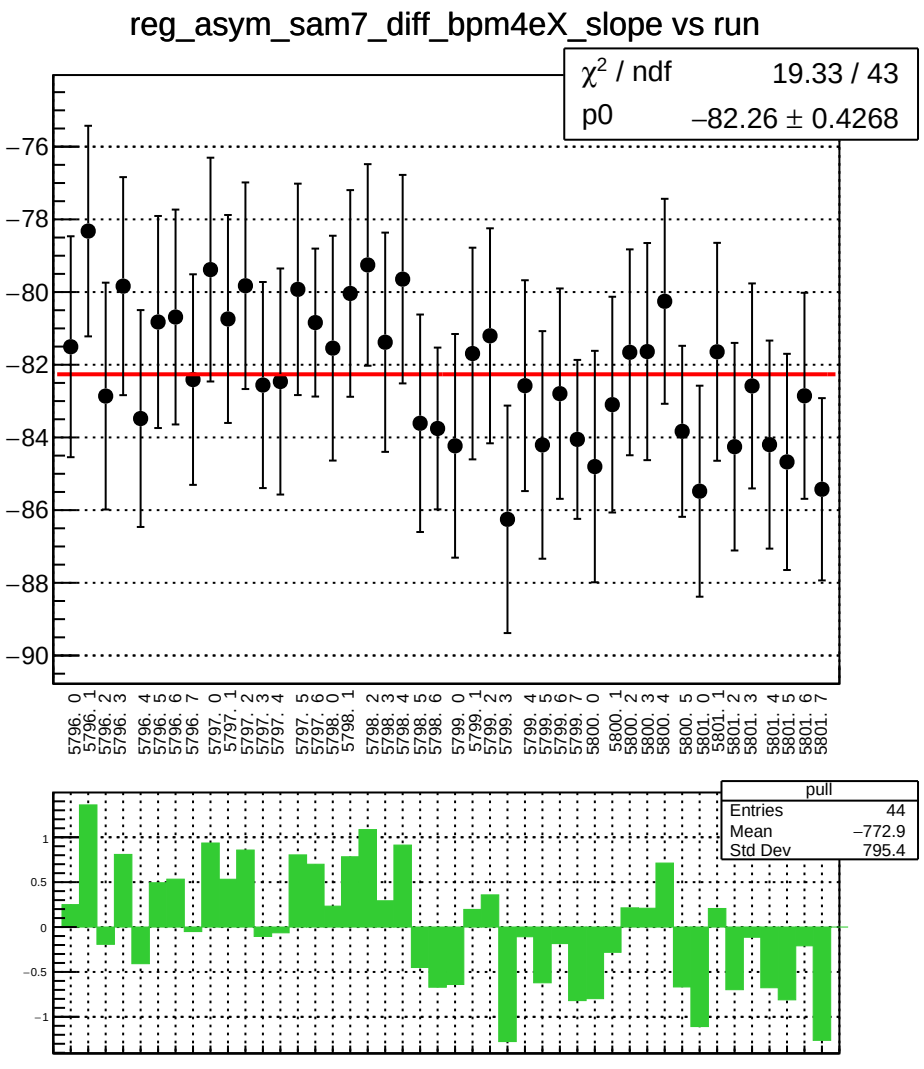

pull1D
Entries 44
Mean 0.002851
Std Dev 0.2293

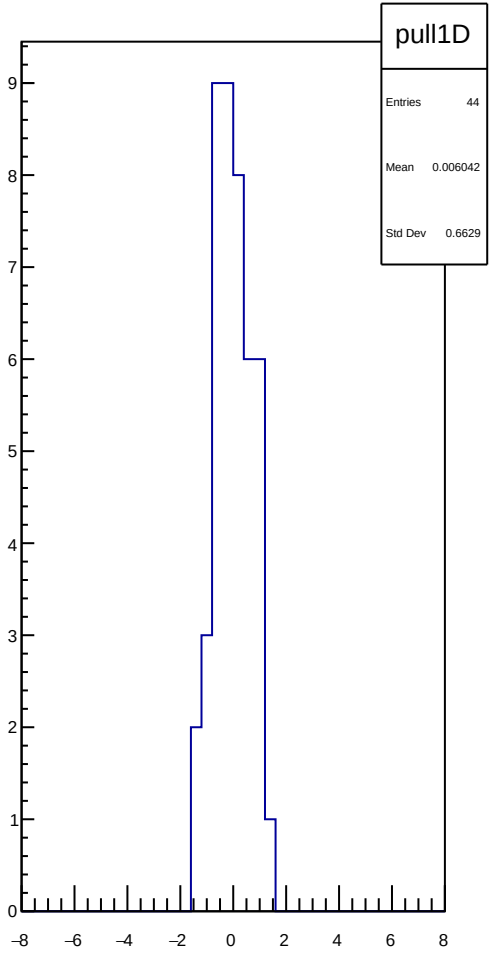

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 20.76 / 43
p0 51.53 ± 0.3367
pull
Entries 44
Mean −714.4
Std Dev 736.7

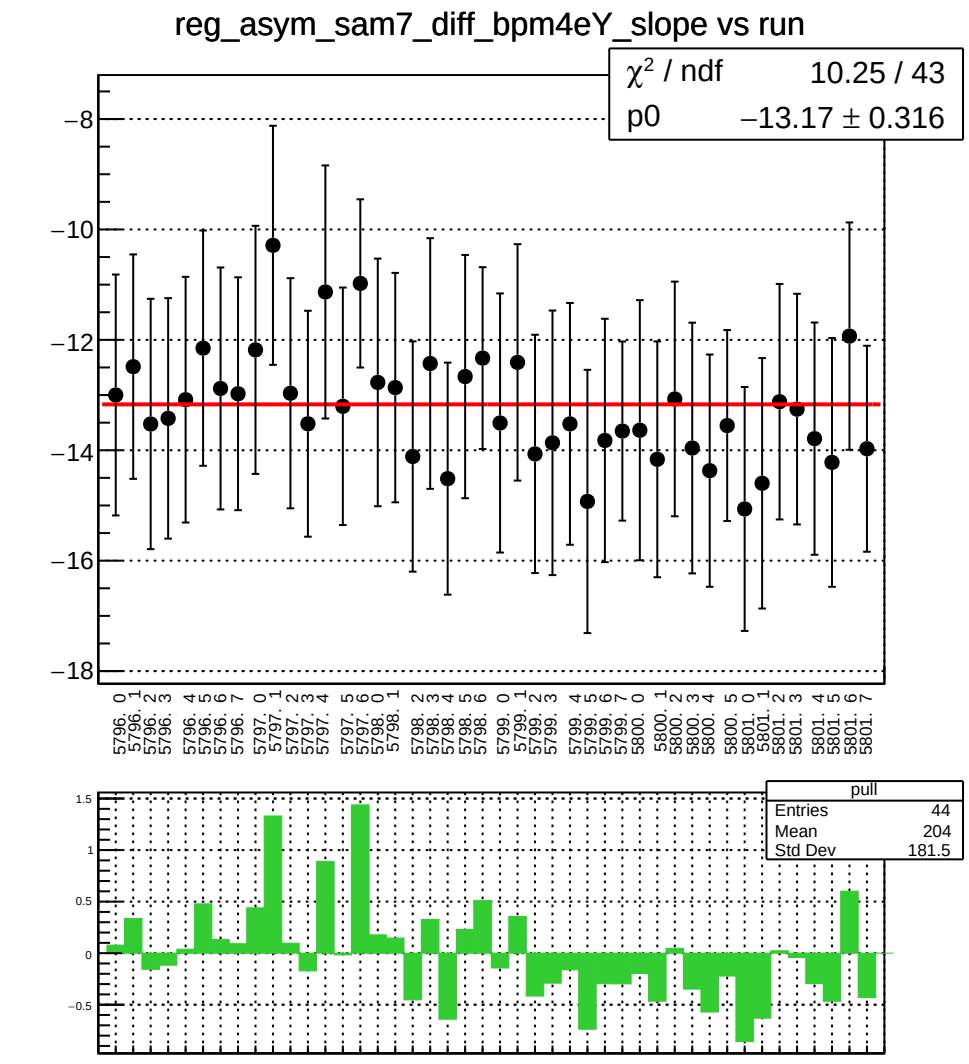

pull1D
Entries 44
Mean −0.00686
Std Dev 0.6869

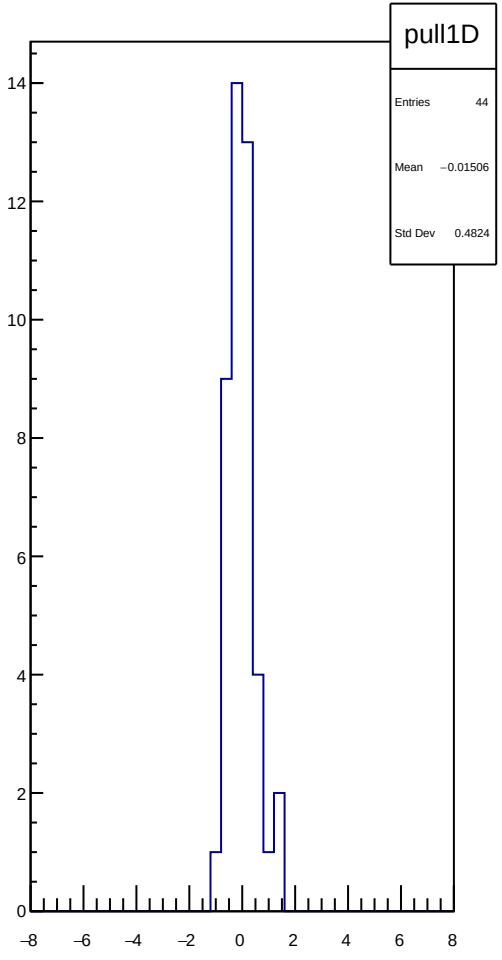

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 10.43 / 43
p0 8.779 ± 0.2895
pull
Entries 44
Mean 169.3
Std Dev 146.5

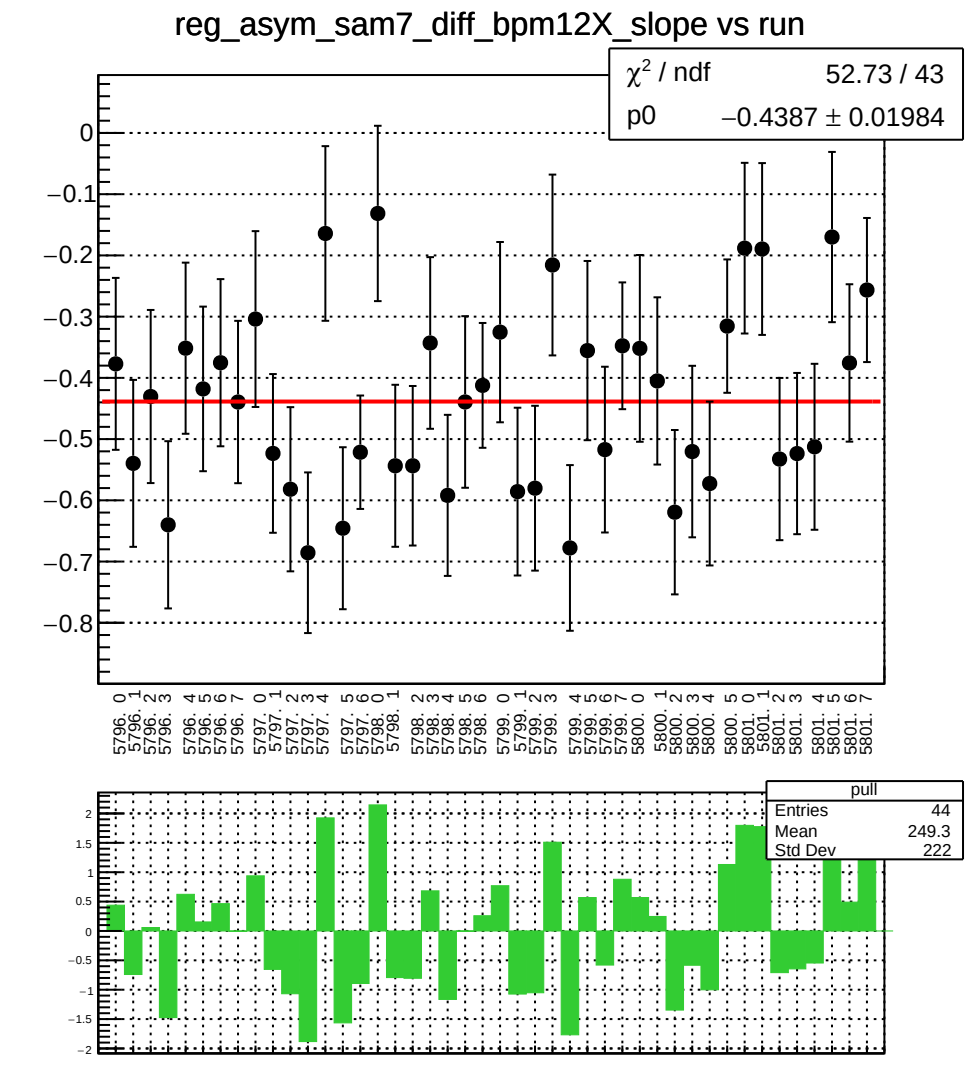

pull1D
Entries 44
Mean 0.01878
Std Dev 0.4865

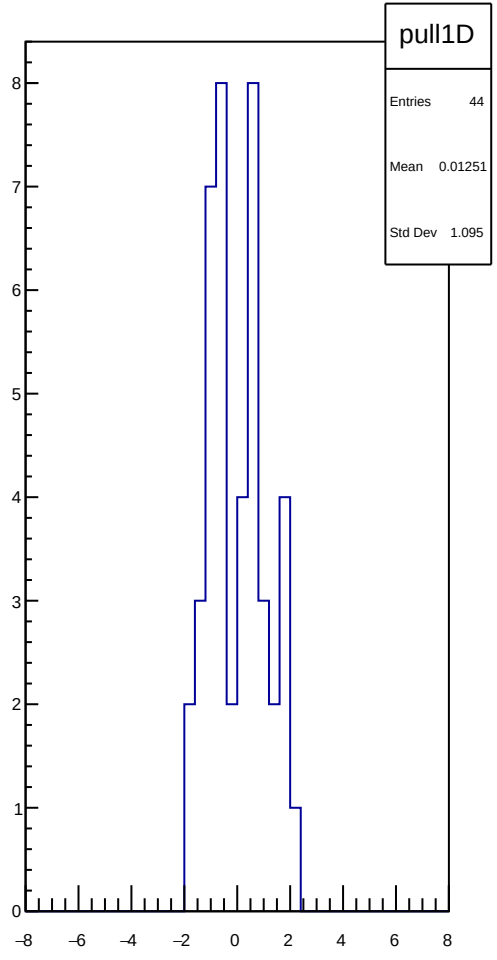

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 19.33 / 43
p0 −82.26 ± 0.4268
pull
Entries 44
Mean −772.9
Std Dev 795.4

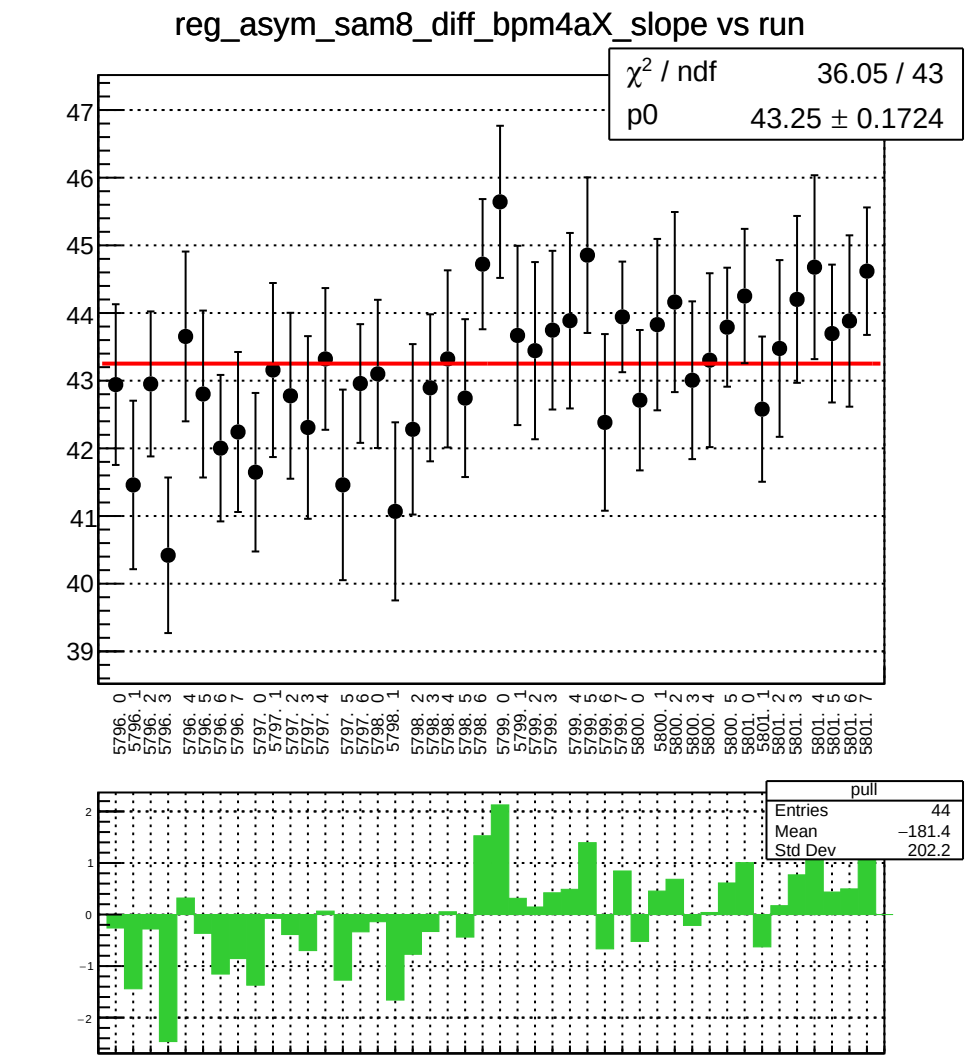

pull1D
Entries 44
Mean 0.006042
Std Dev 0.6629

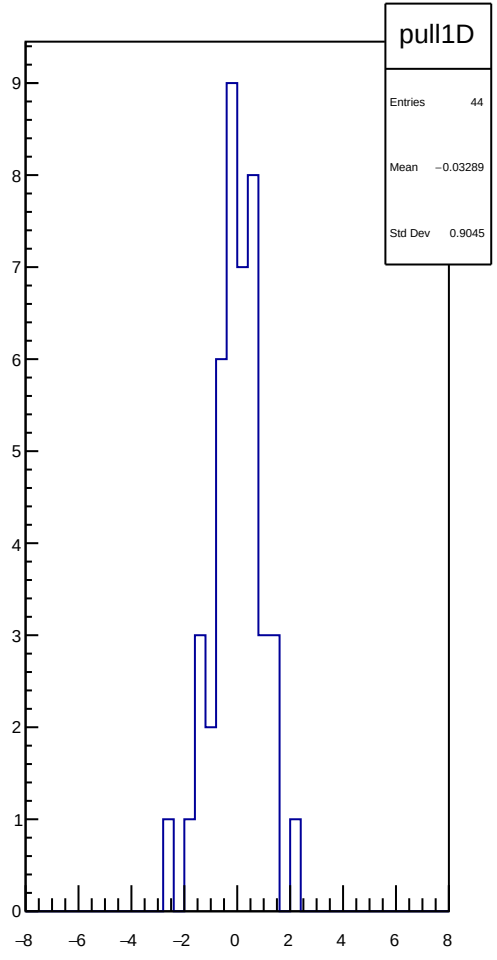

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 10.25 / 43
p0 −13.17 ± 0.316
pull
Entries 44
Mean 204
Std Dev 181.5

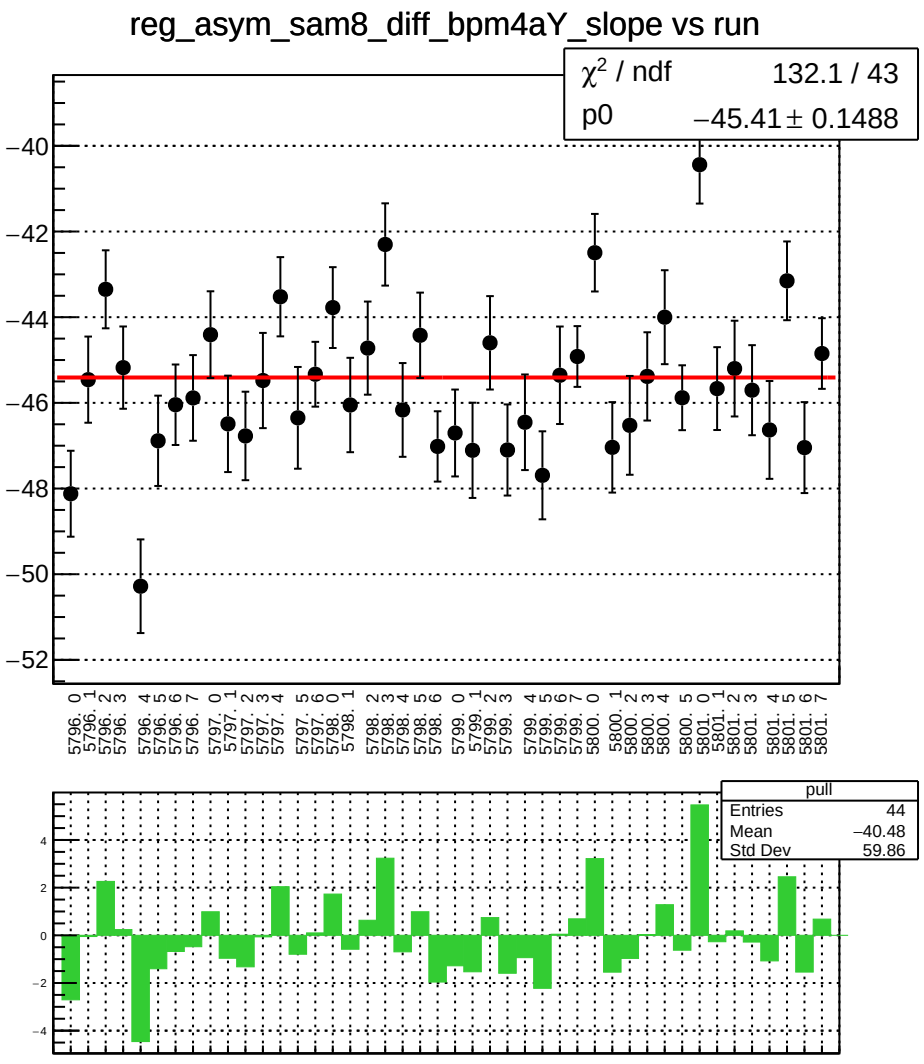

pull1D
Entries 44
Mean −0.01506
Std Dev 0.4824

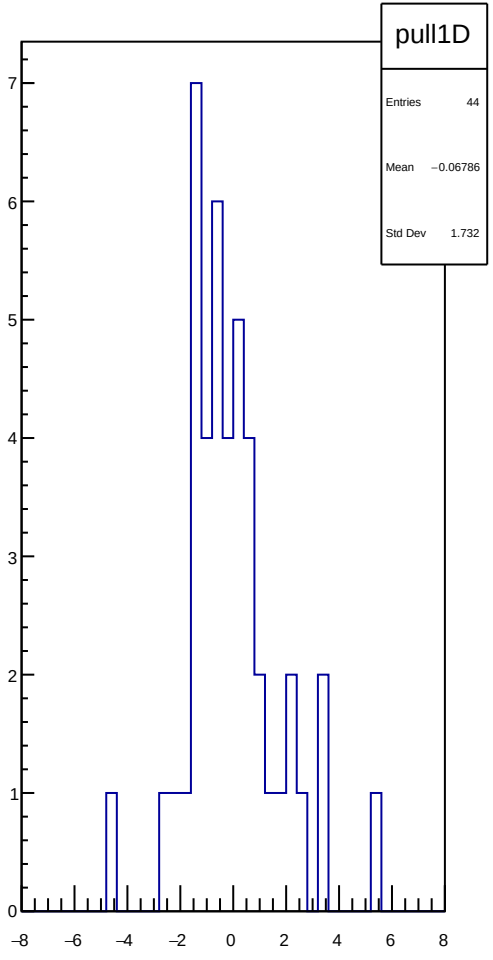

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 52.73 / 43
p0 −0.4387 ± 0.01984
pull
Entries 44
Mean 249.3
Std Dev 222

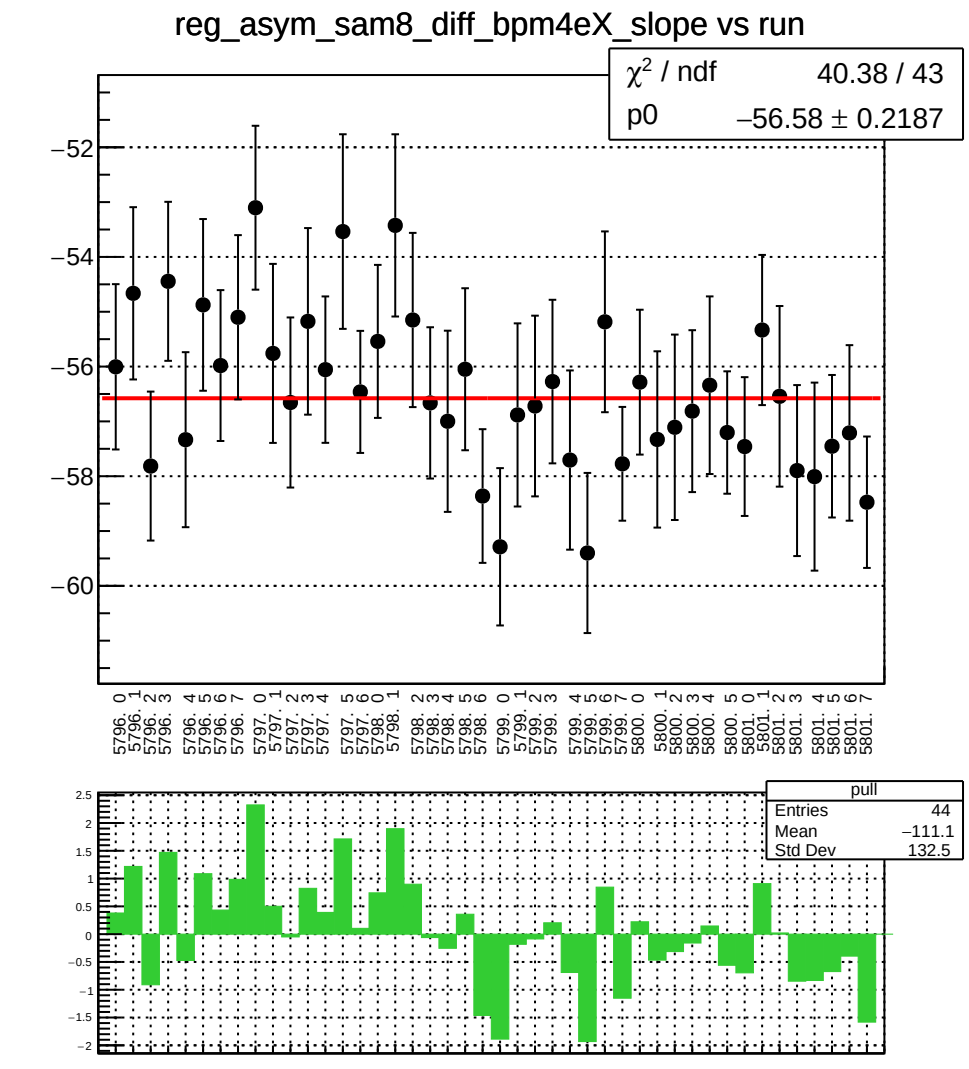

pull1D
Entries 44
Mean 0.01251
Std Dev 1.095

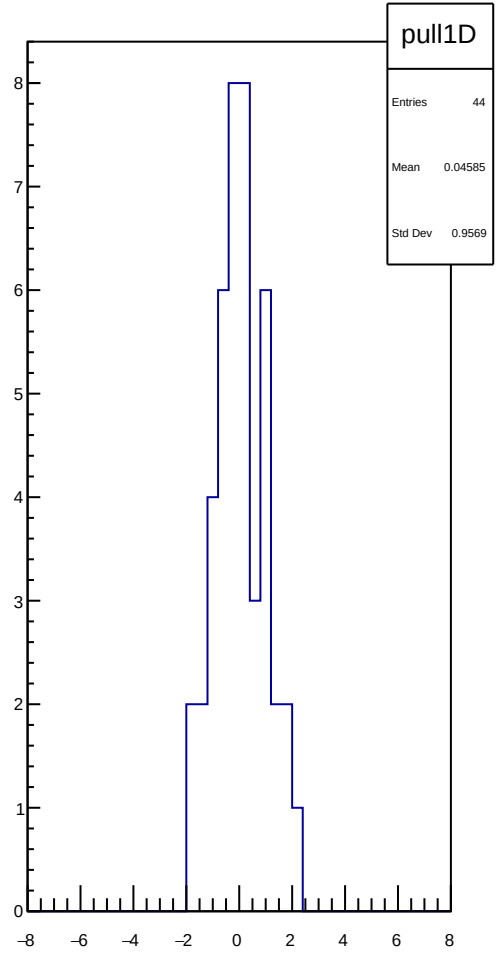

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 36.05 / 43
p0 43.25 ± 0.1724
pull
Entries 44
Mean −181.4
Std Dev 202.2

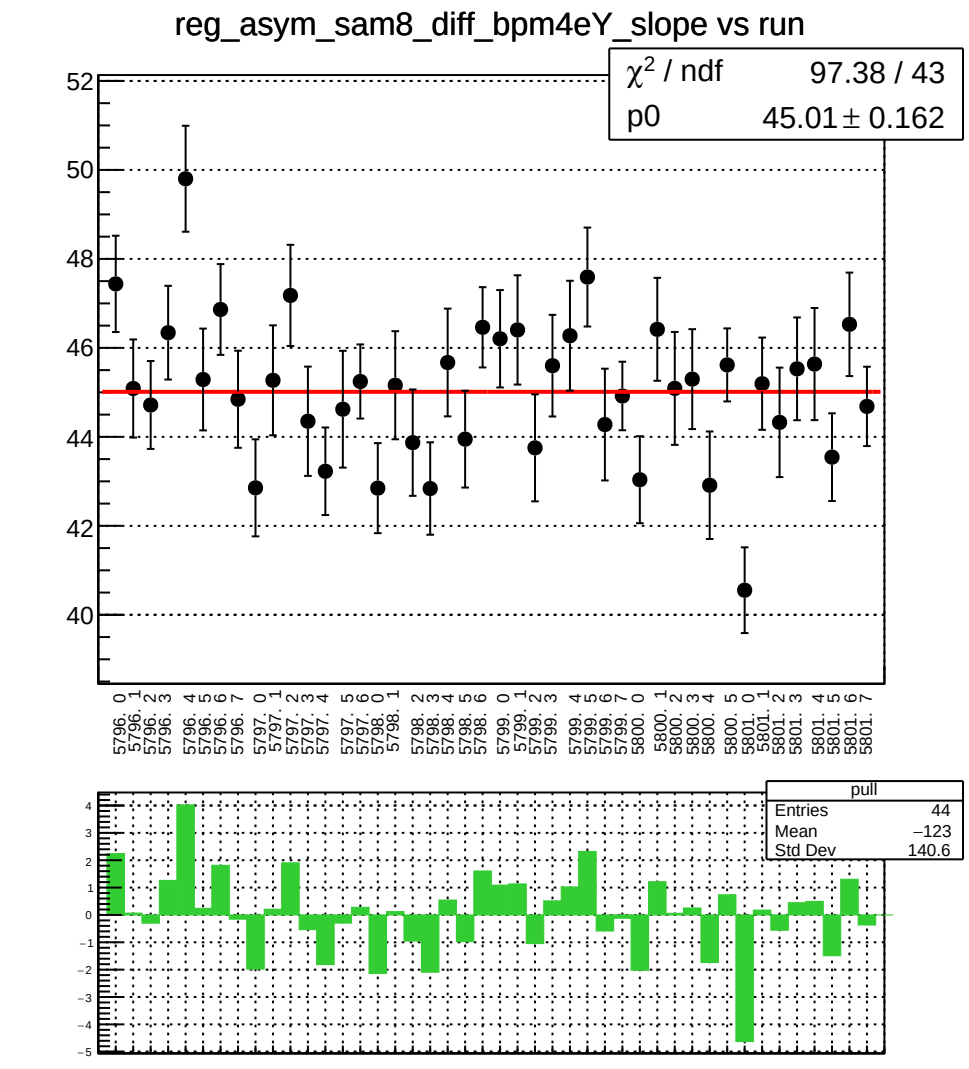

pull1D
Entries 44
Mean −0.03289
Std Dev 0.9045

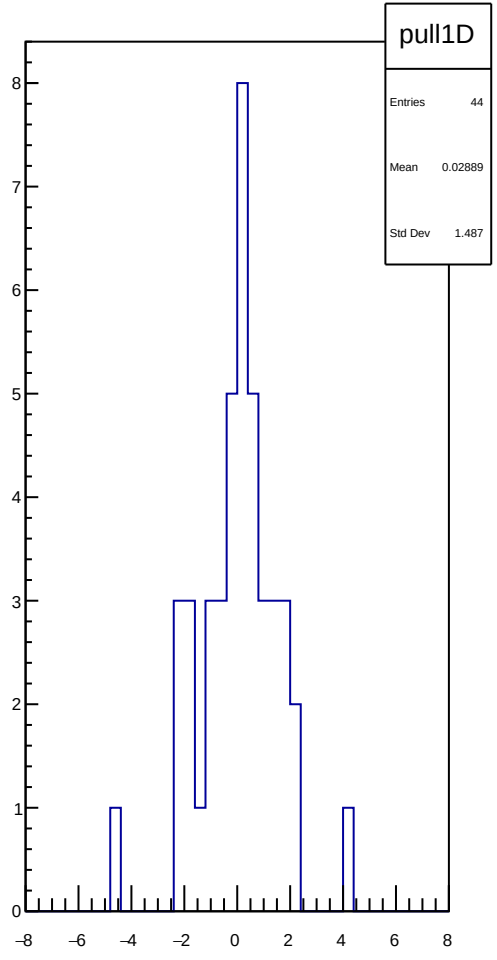

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 132.1 / 43
p0 −45.41 ± 0.1488
−40
−42
−44
−46
−48
−50
−52
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −40.48
Std Dev 59.86
4
2
0
−2
−4

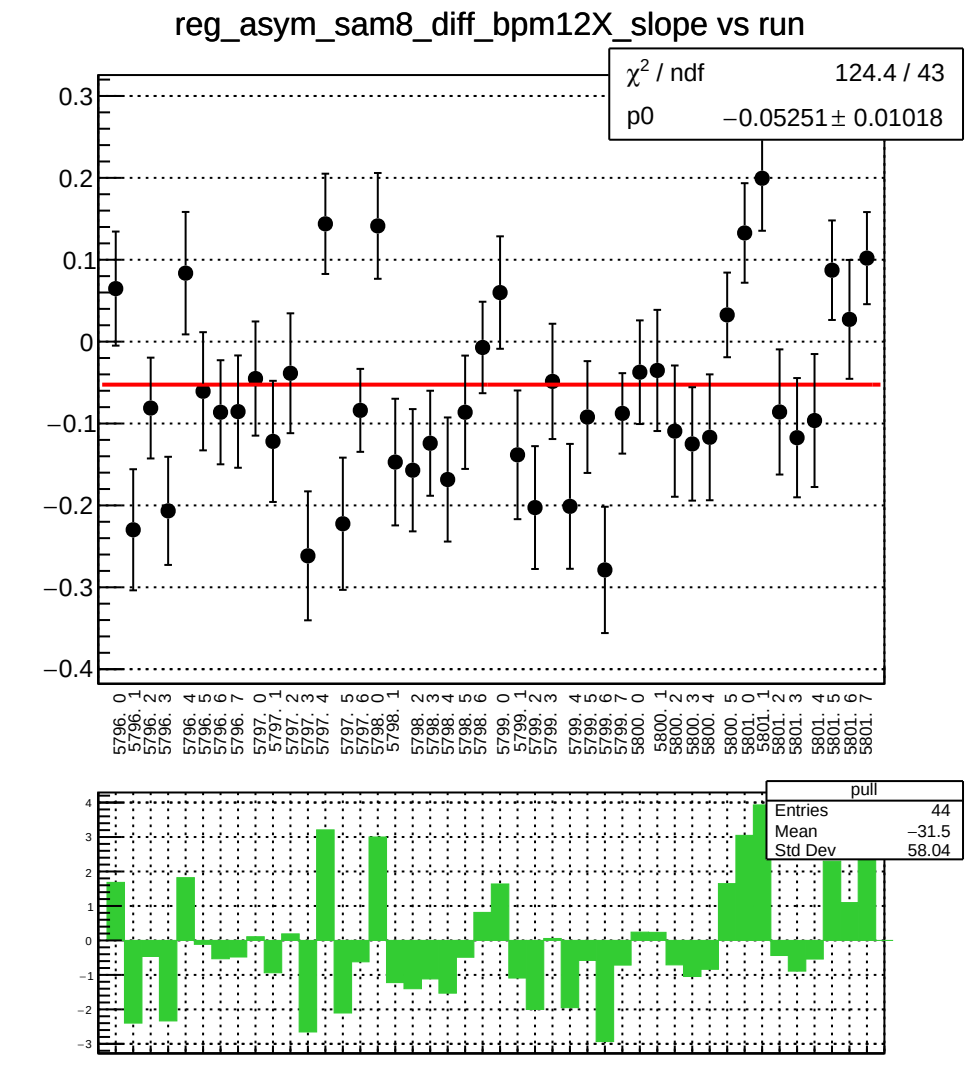

pull1D
Entries 44
Mean −0.06786
Std Dev 1.732
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

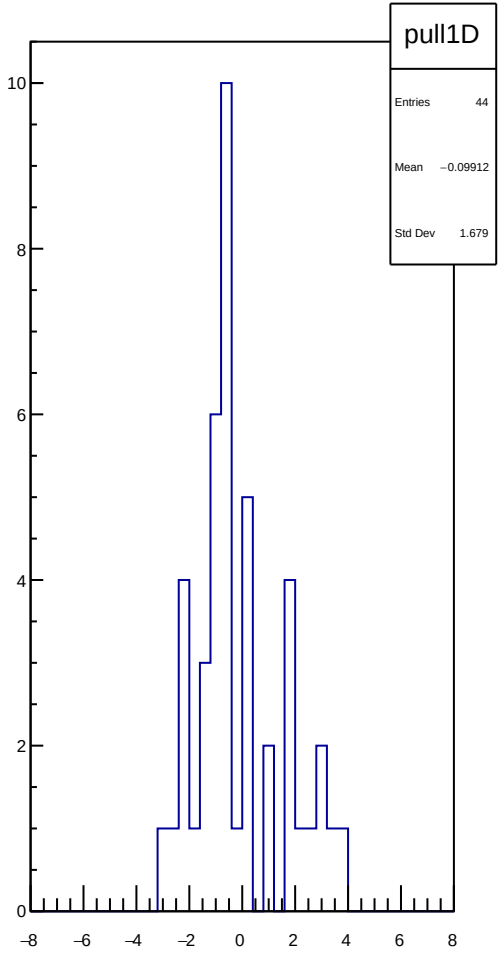

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 40.38 / 43
p0 −56.58 ± 0.2187
pull
Entries 44
Mean −111.1
Std Dev 132.5

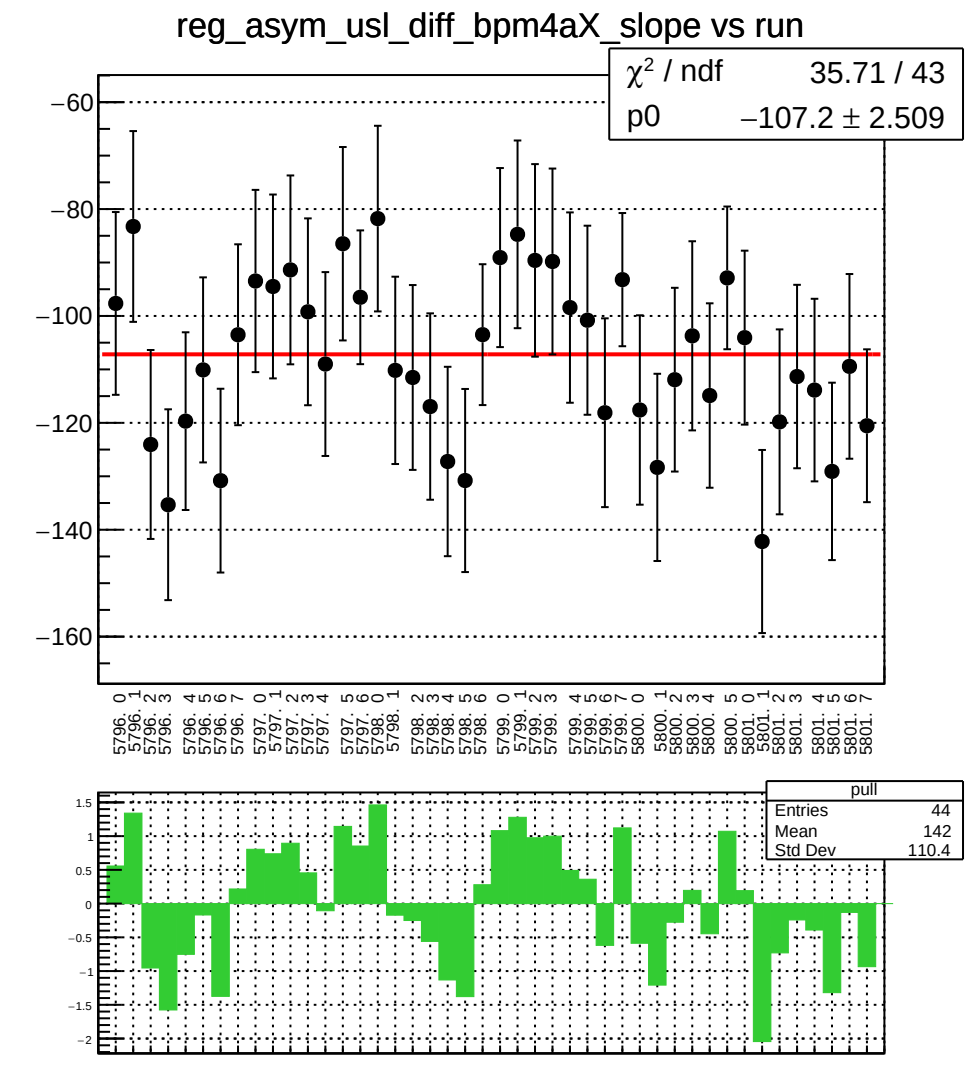

pull1D
Entries 44
Mean 0.04585
Std Dev 0.9569

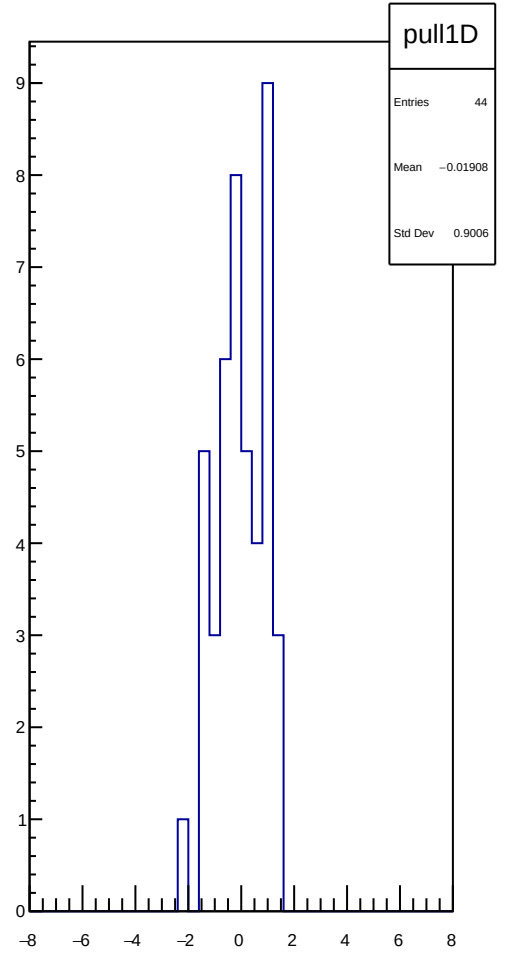

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 97.38 / 43
p0 45.01 ± 0.162
pull
Entries 44
Mean −123
Std Dev 140.6

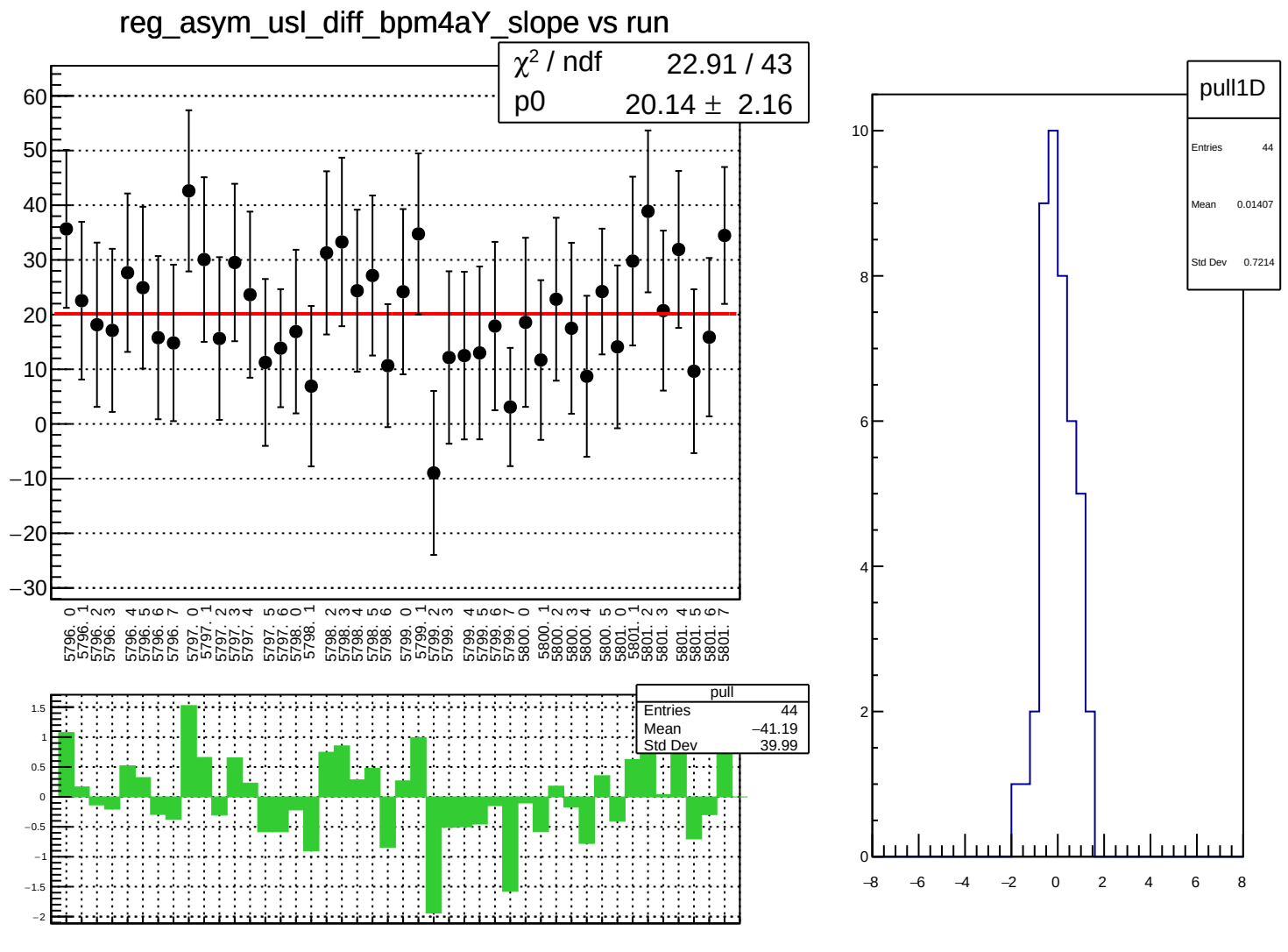

pull1D
Entries 44
Mean 0.02889
Std Dev 1.487

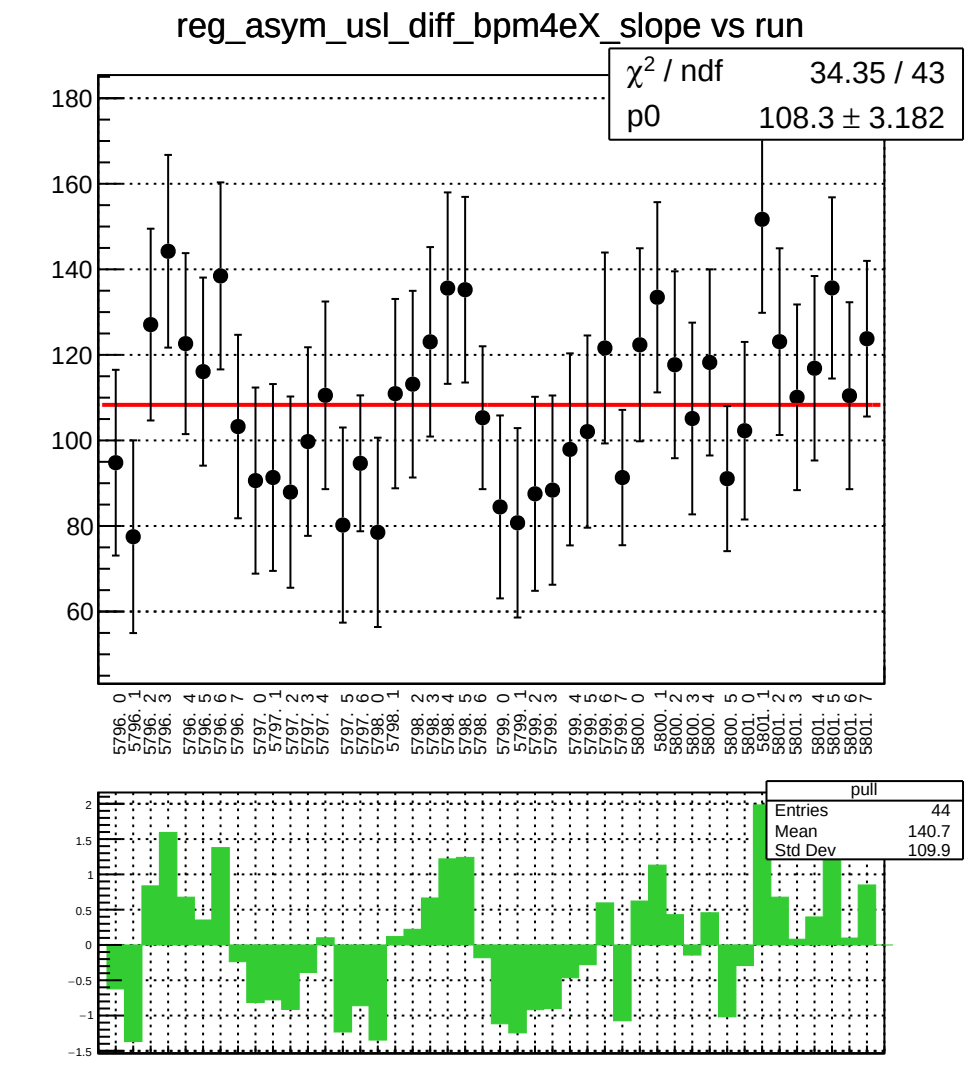

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 124.4 / 43
p0 −0.05251 ± 0.01018
pull
Entries 44
Mean −31.5
Std Dev 58.04

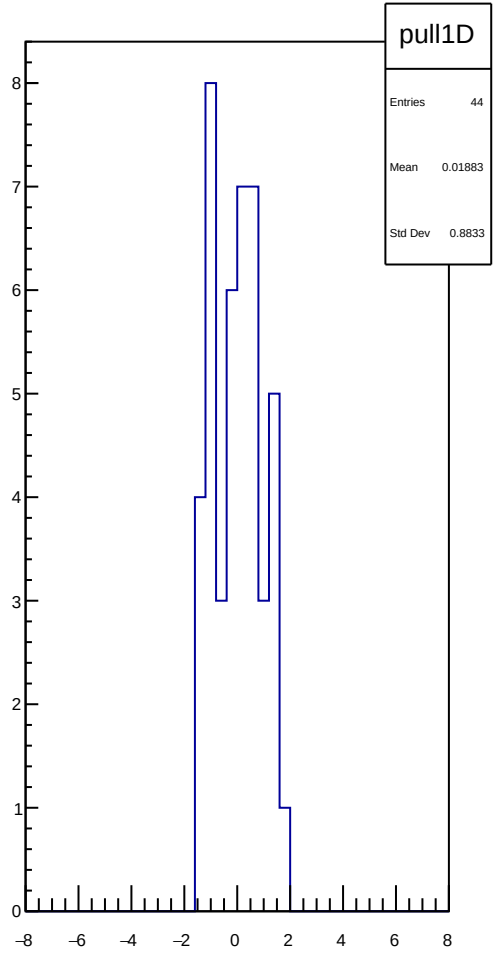

pull1D
Entries 44
Mean −0.09912
Std Dev 1.679

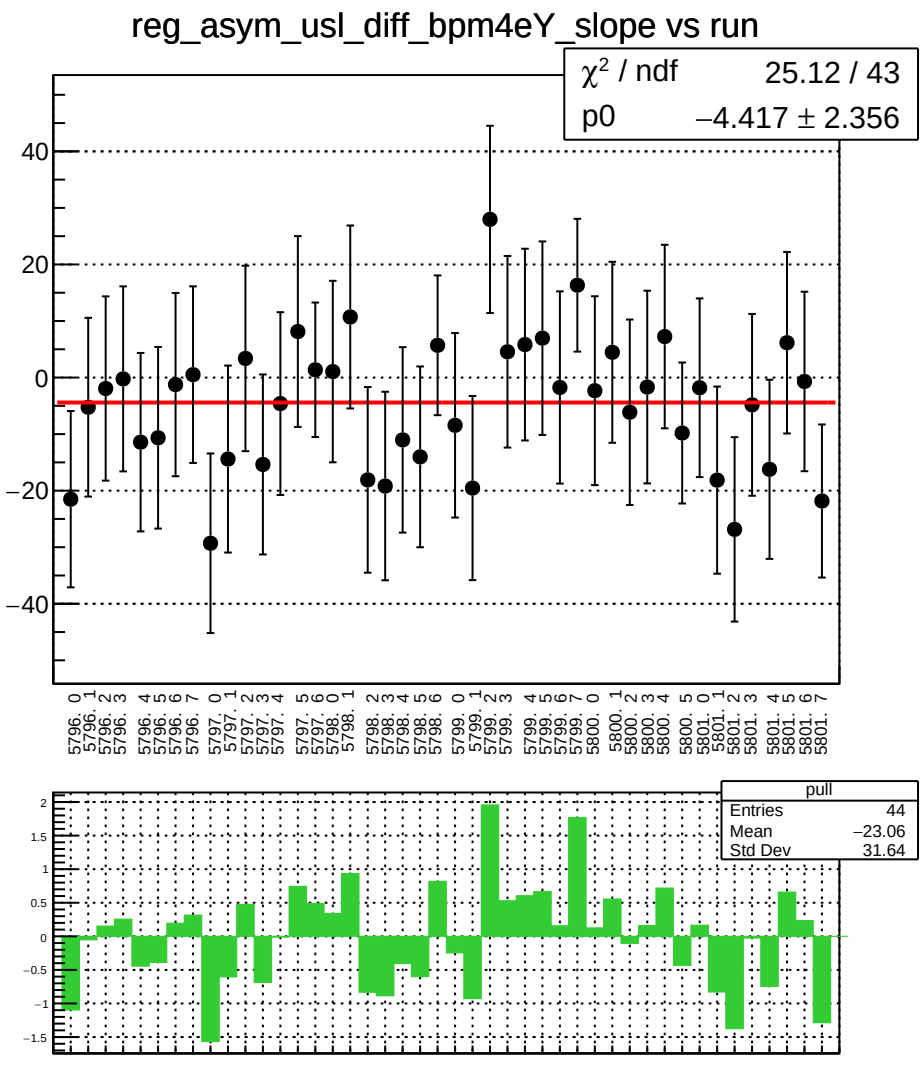

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 35.71 / 43
p0 −107.2 ± 2.509
pull
Entries 44
Mean 142
Std Dev 110.4

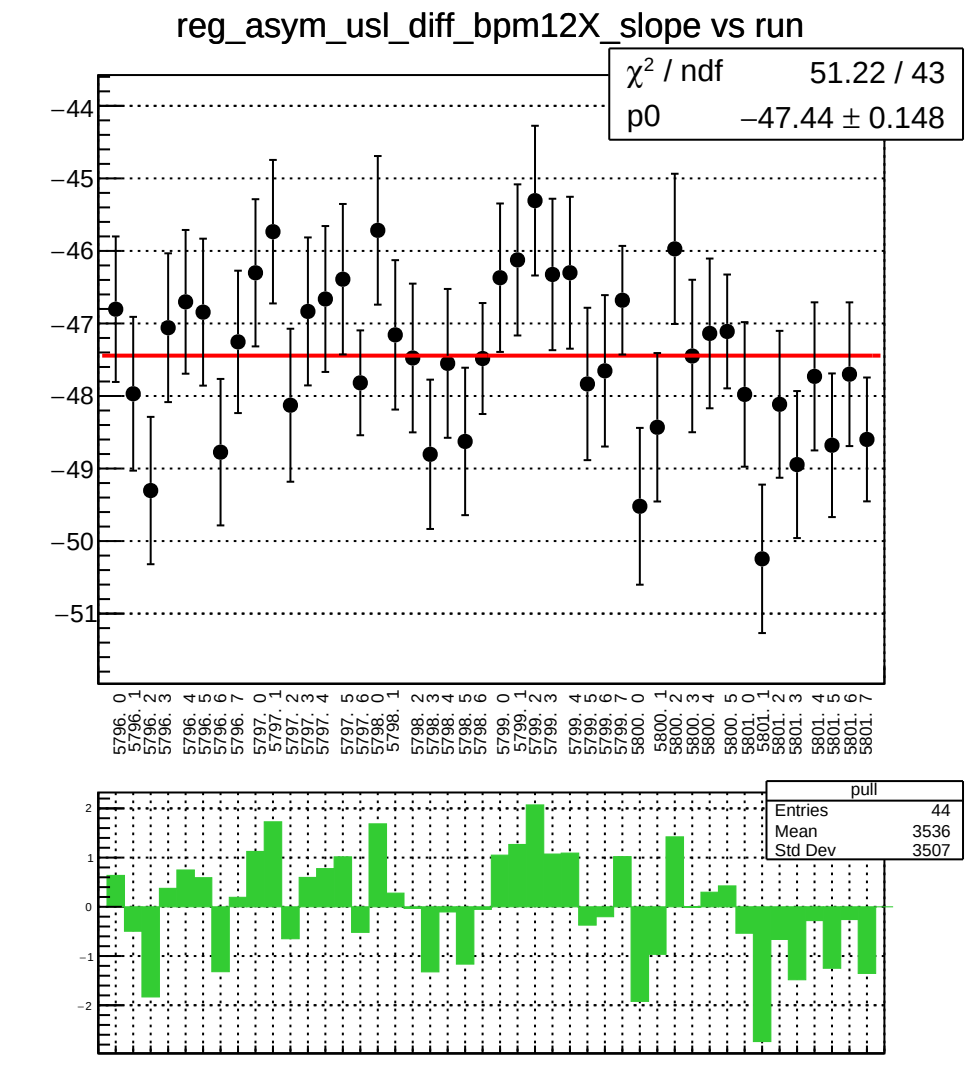

pull1D
Entries 44
Mean −0.01908
Std Dev 0.9006

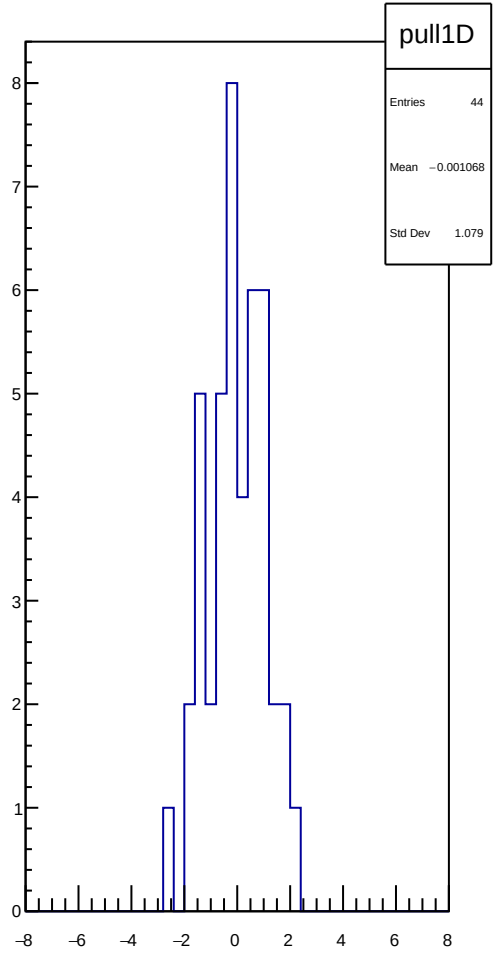

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 22.91 / 43
p0 20.14 ± 2.16
pull
Entries 44
Mean −41.19
Std Dev 39.99
pull1D
Entries 44
Mean 0.01407
Std Dev 0.7214

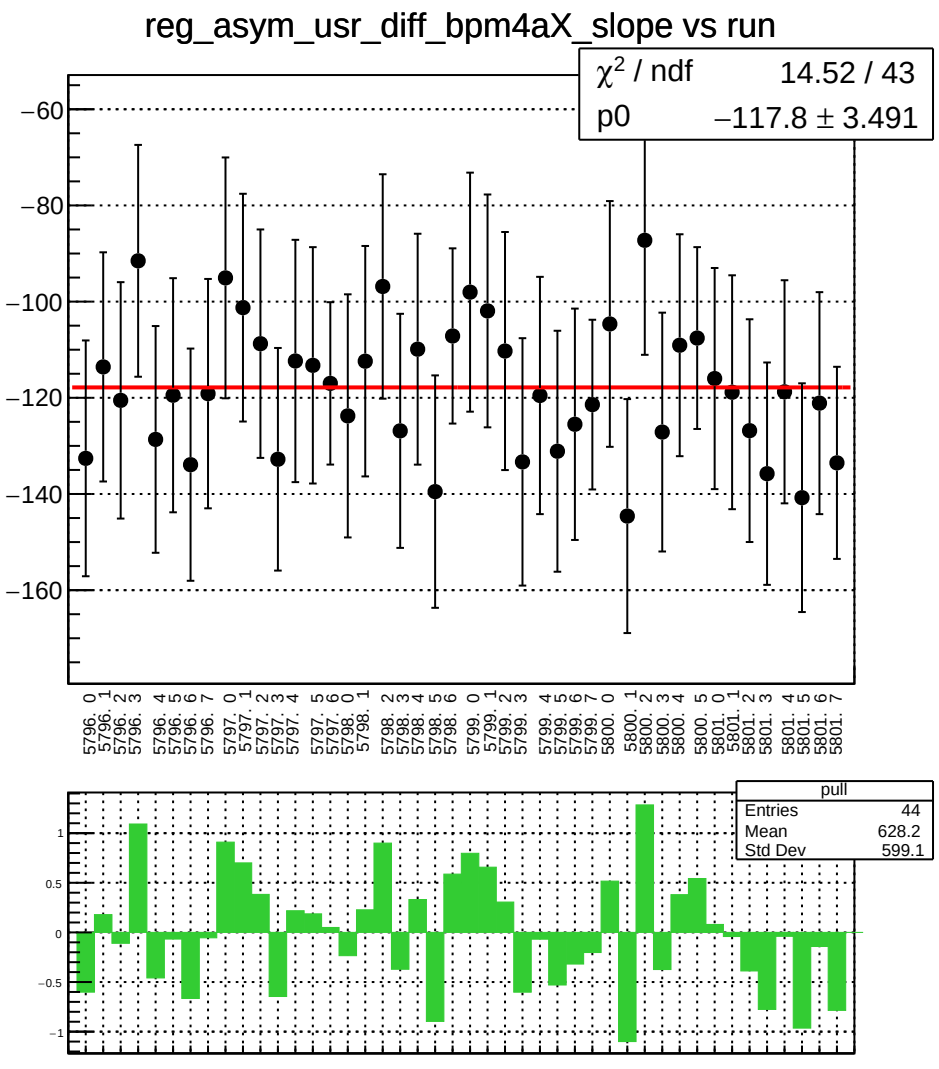

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 34.35 / 43
p0 108.3 ± 3.182
pull
Entries 44
Mean 140.7
Std Dev 109.9

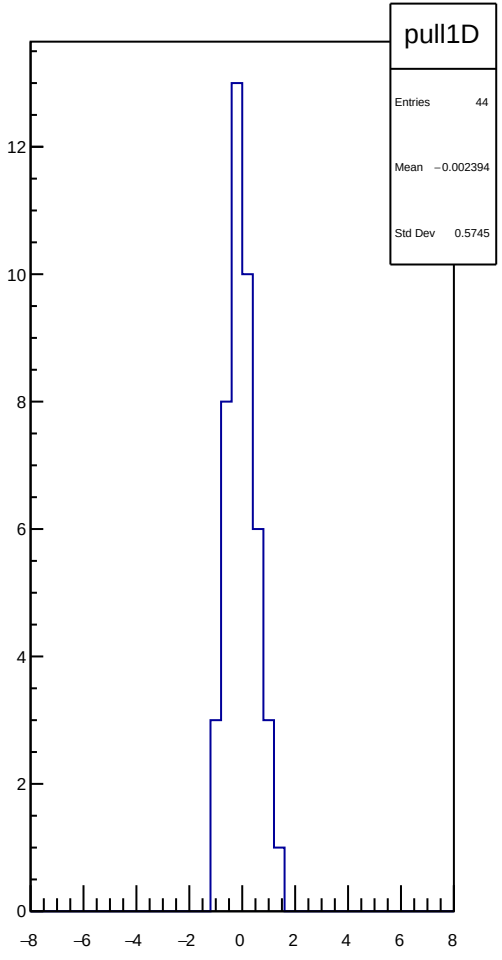

pull1D
Entries 44
Mean 0.01883
Std Dev 0.8833

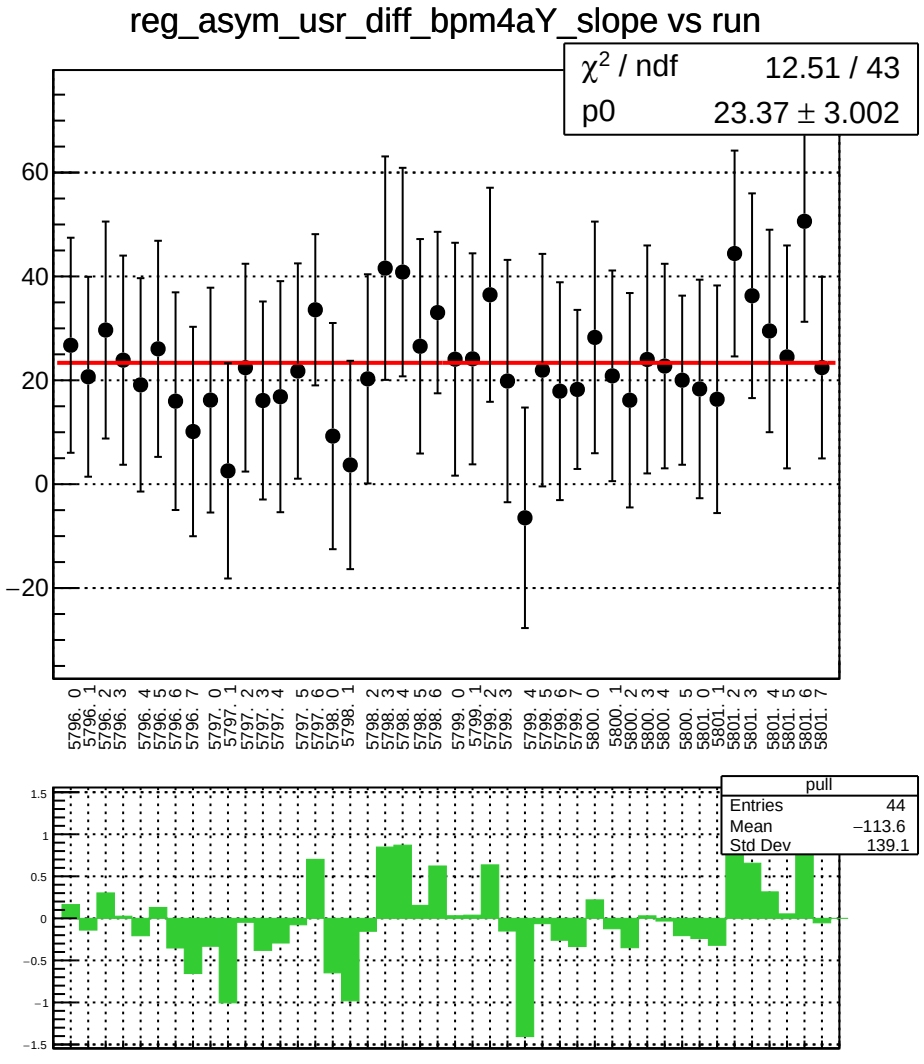

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 25.12 / 43
p0 −4.417 ± 2.356
40
20
0
−20
−40
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −23.06
Std Dev 31.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.01202
Std Dev 0.7555
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

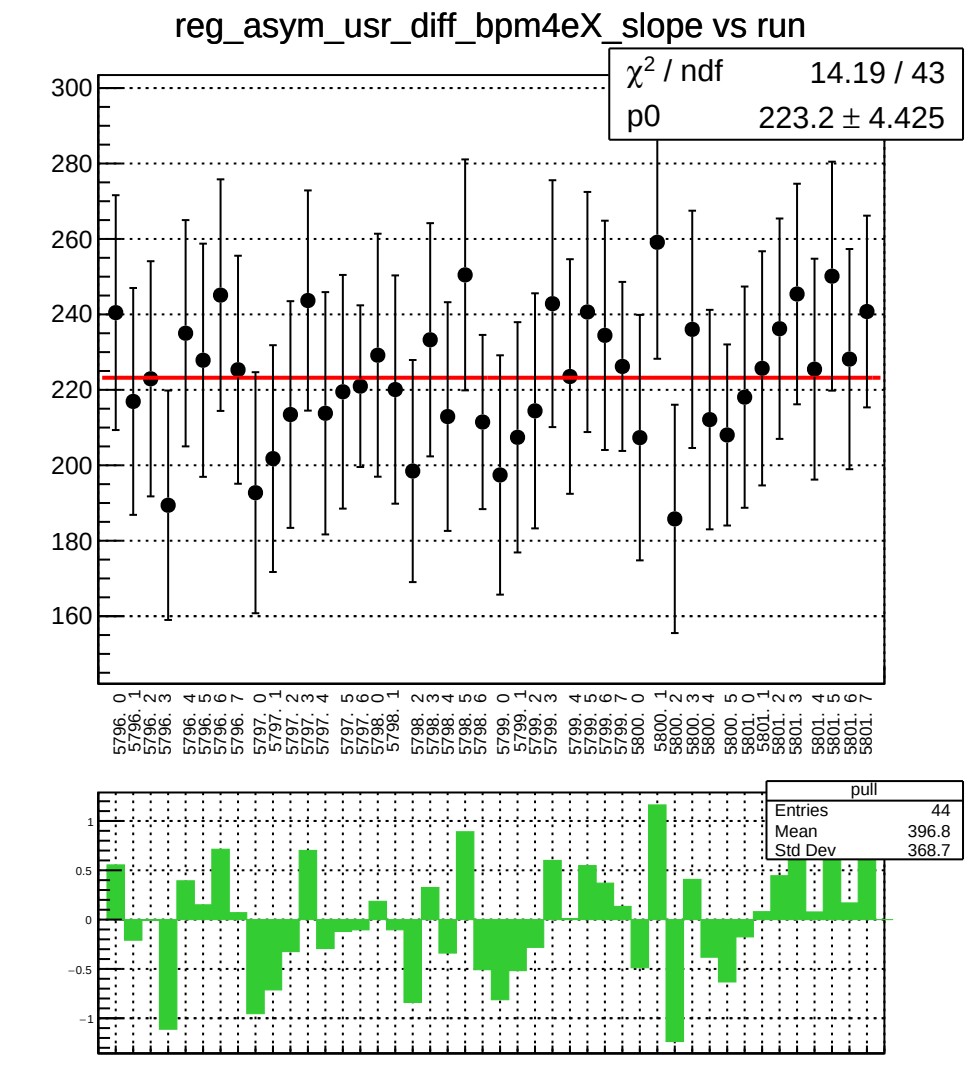

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 51.22 / 43
p0 −47.44 ± 0.148
pull
Entries 44
Mean 3536
Std Dev 3507

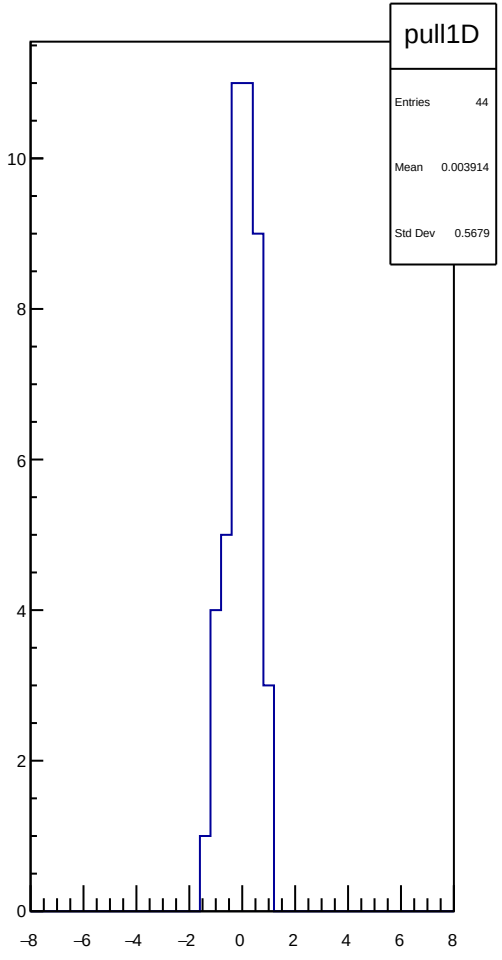

pull1D
Entries 44
Mean −0.001068
Std Dev 1.079

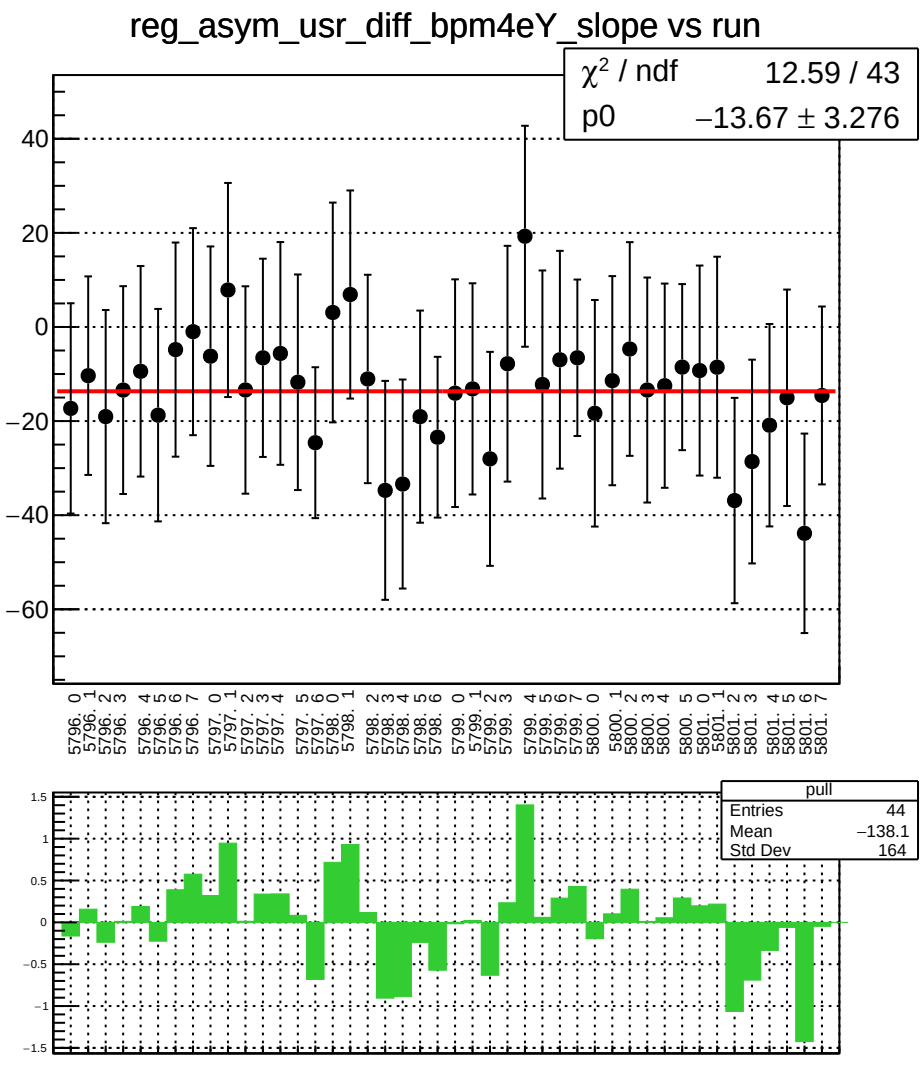

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 14.52 / 43
p0 −117.8 ± 3.491
−60
−80
−100
−120
−140
−160
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 628.2
Std Dev 599.1
1
0.5
0
−0.5
−1

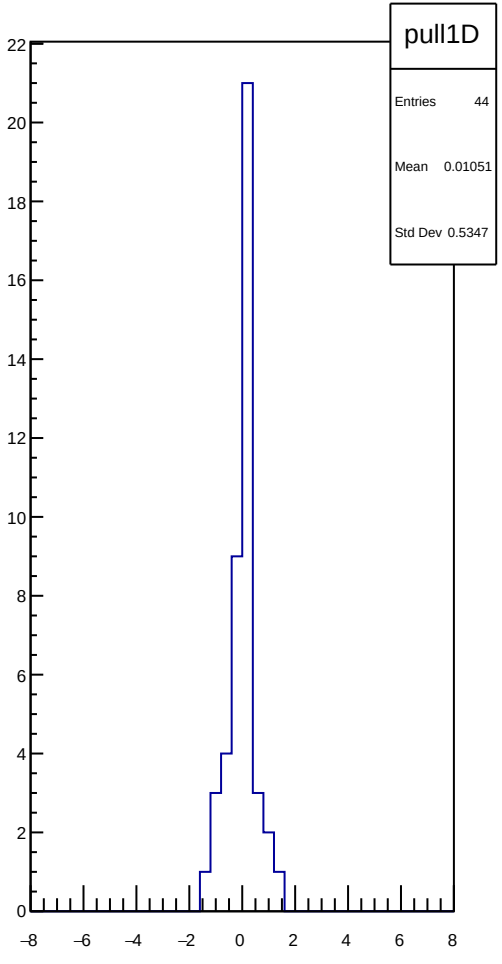

pull1D
Entries 44
Mean −0.002394
Std Dev 0.5745
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

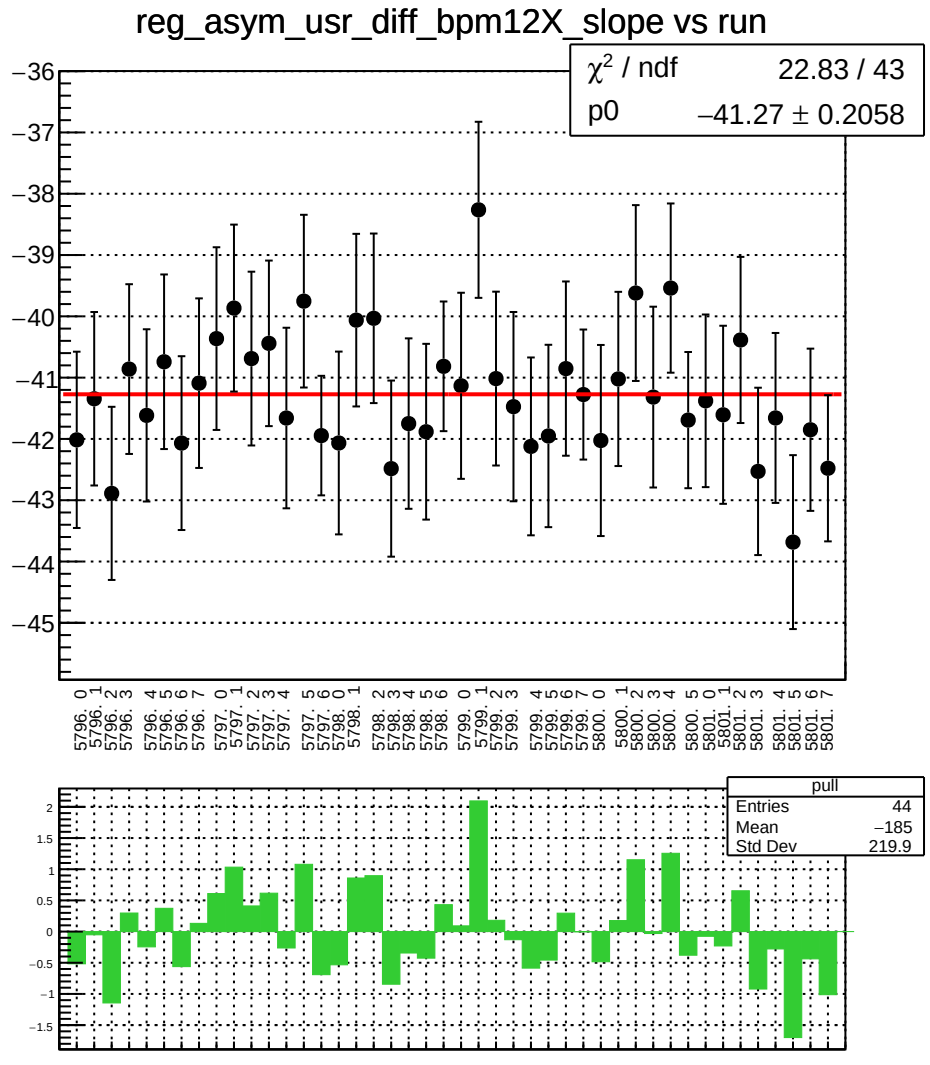

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 12.51 / 43
p0 23.37 ± 3.002
60
40
20
0
−20
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −113.6
Std Dev 139.1
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.0123
Std Dev 0.5332
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

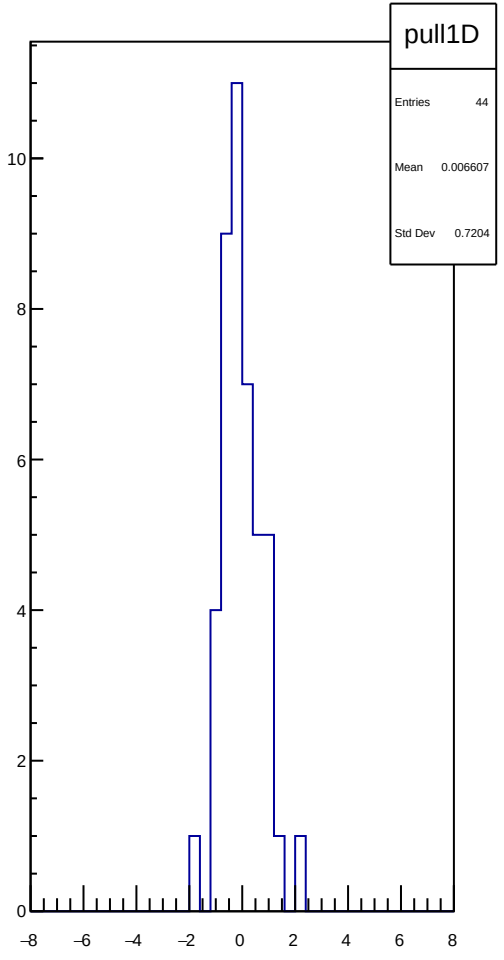

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 14.19 / 43
p0 223.2 ± 4.425
pull
Entries 44
Mean 396.8
Std Dev 368.7

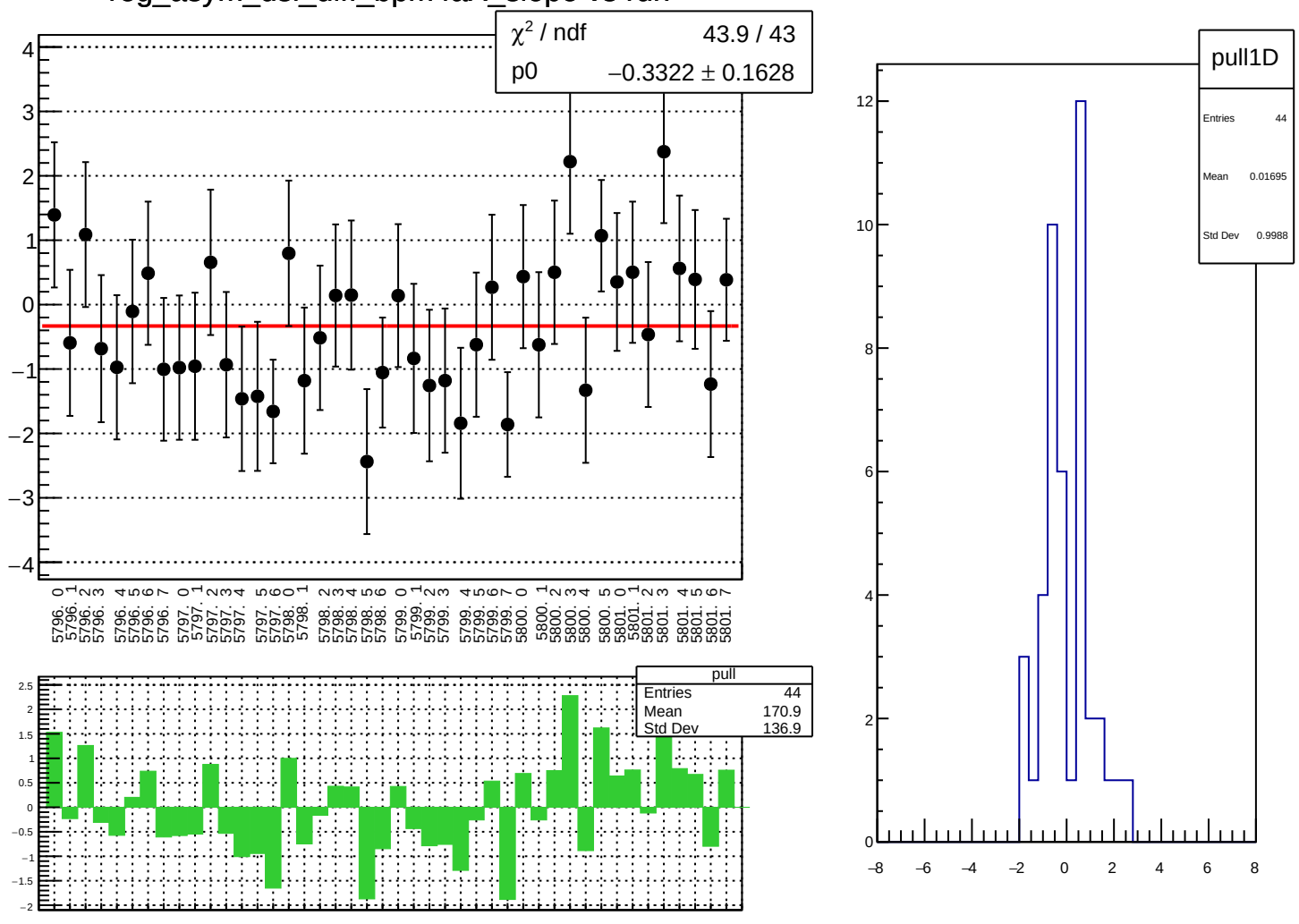

pull1D
Entries 44
Mean 0.003914
Std Dev 0.5679

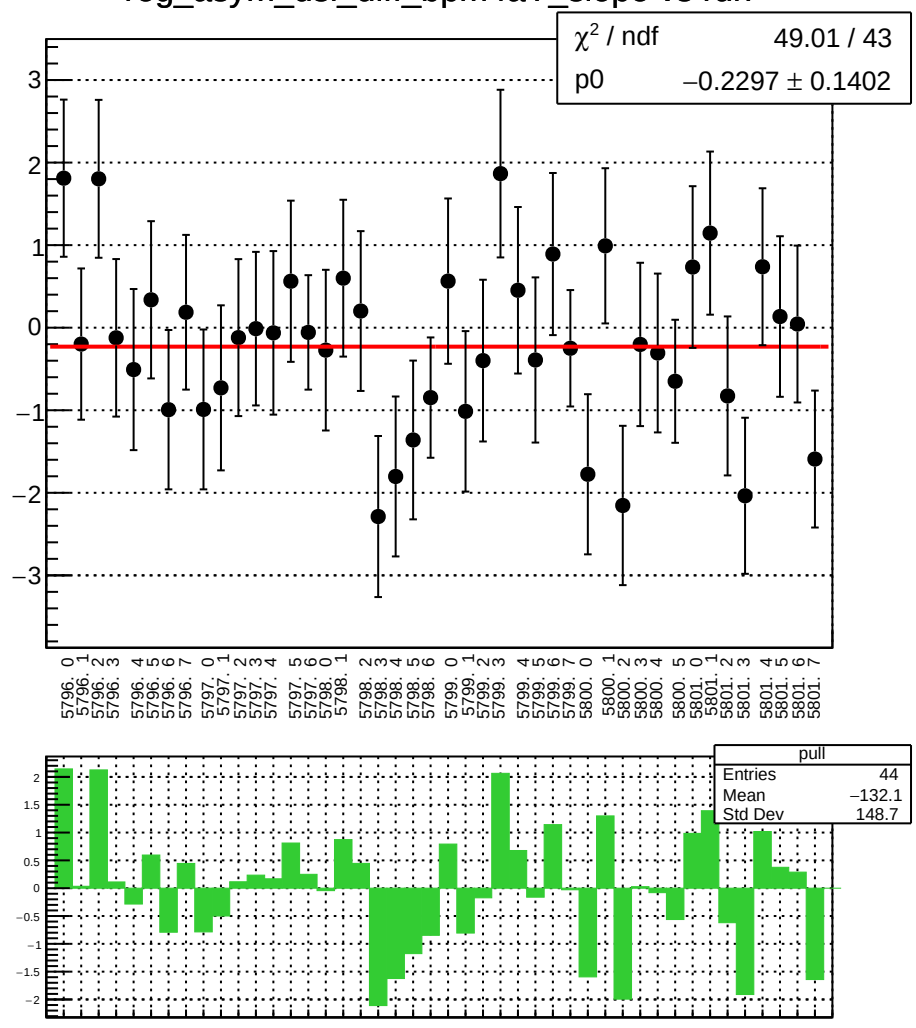

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 12.59 / 43
p0 −13.67 ± 3.276
pull
Entries 44
Mean −138.1
Std Dev 164

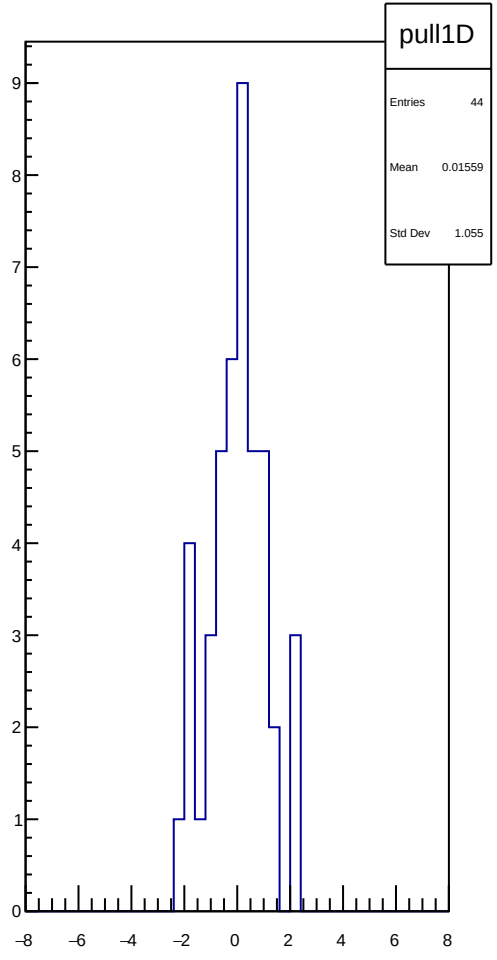

pull1D
Entries 44
Mean 0.01051
Std Dev 0.5347

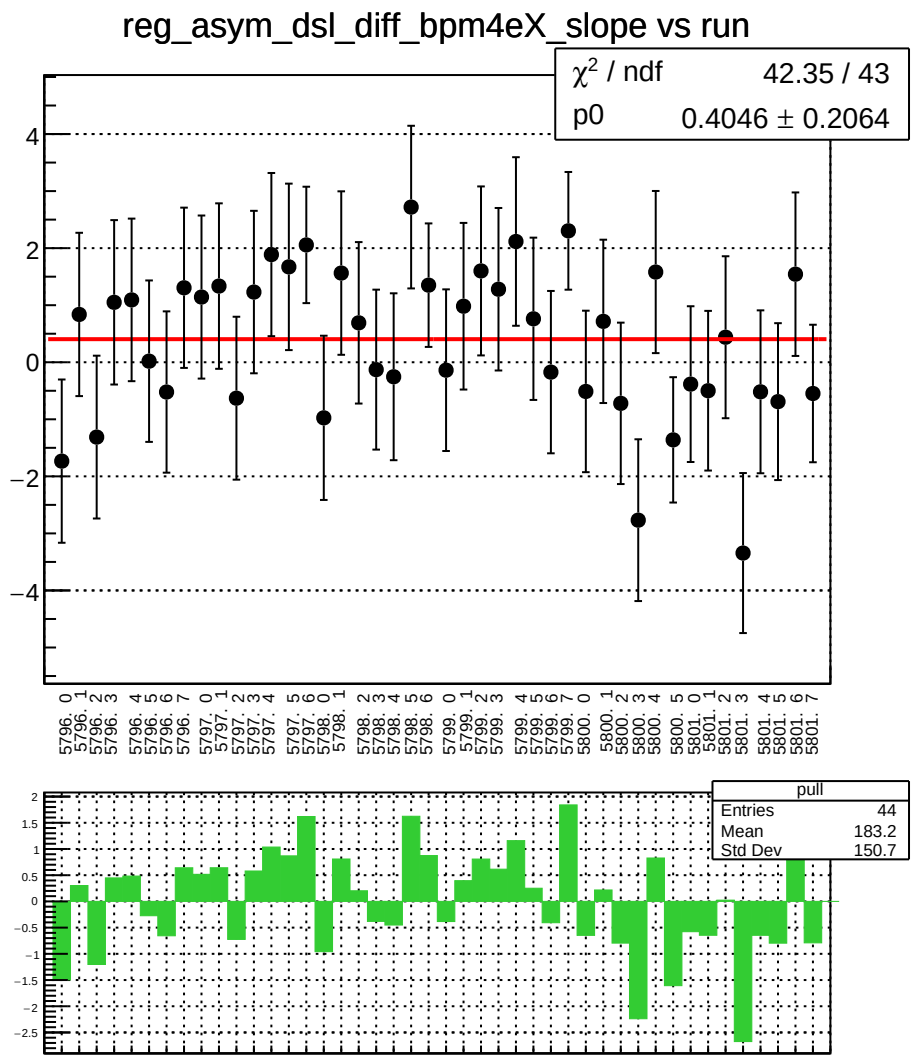

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 22.83 / 43
p0 −41.27 ± 0.2058
pull
Entries 44
Mean −185
Std Dev 219.9

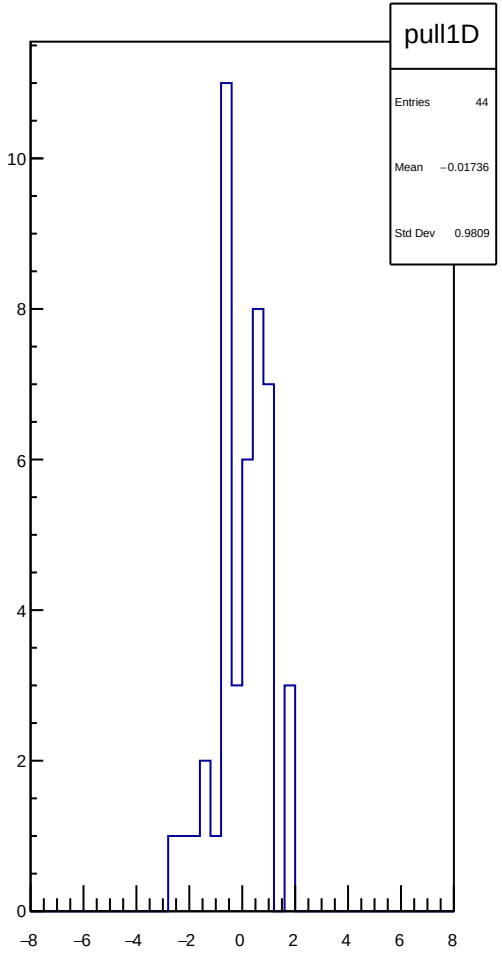

pull1D
Entries 44
Mean 0.006607
Std Dev 0.7204

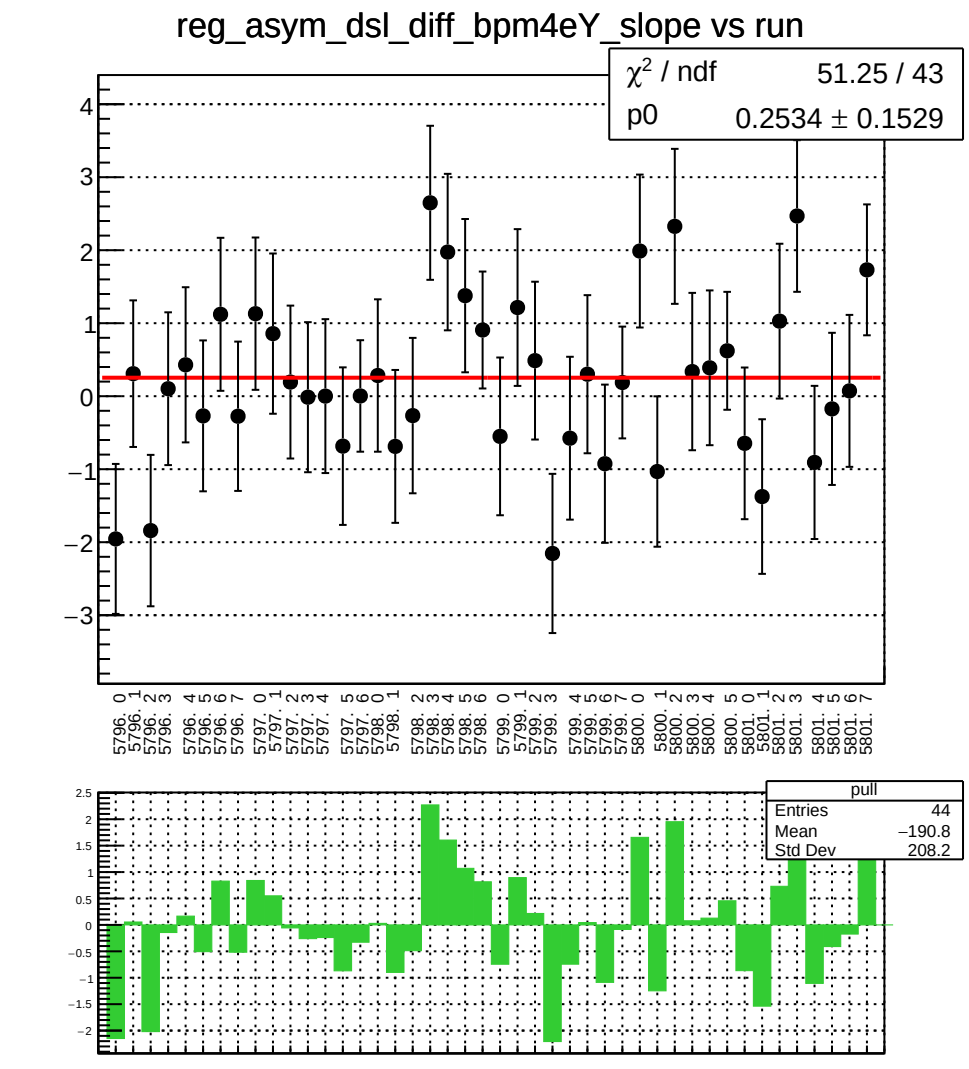

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 43.9 / 43
p0 −0.3322 ± 0.1628
pull
Entries 44
Mean 170.9
Std Dev 136.9
pull1D
Entries 44
Mean 0.01695
Std Dev 0.9988

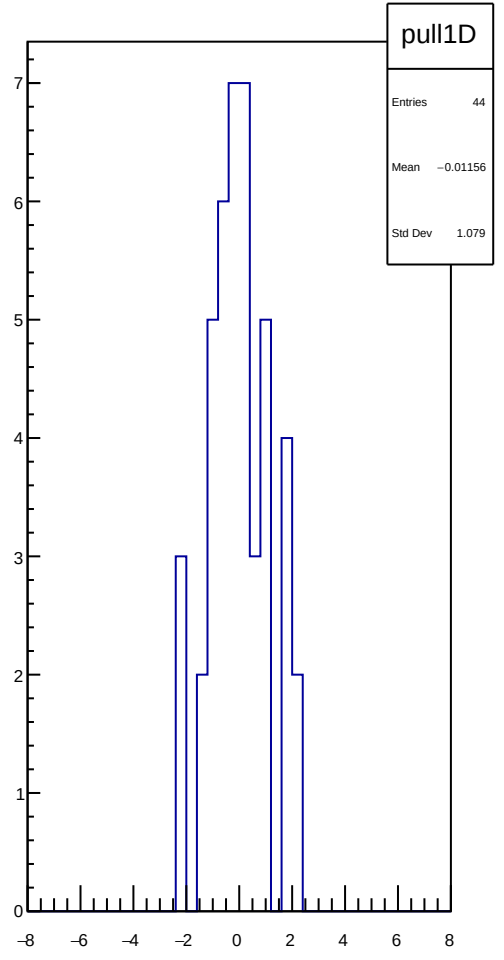

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 49.01 / 43
p0 −0.2297 ± 0.1402
pull
Entries 44
Mean −132.1
Std Dev 148.7

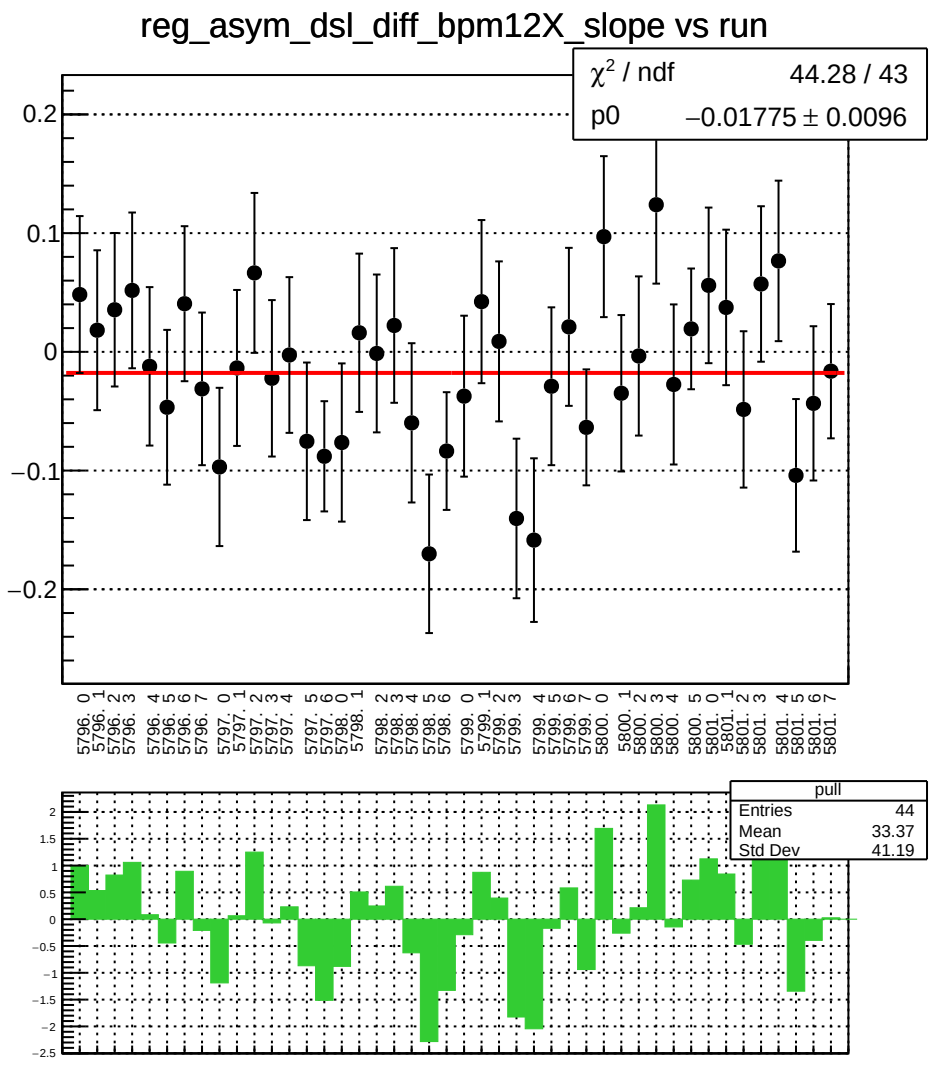

pull1D
Entries 44
Mean 0.01559
Std Dev 1.055

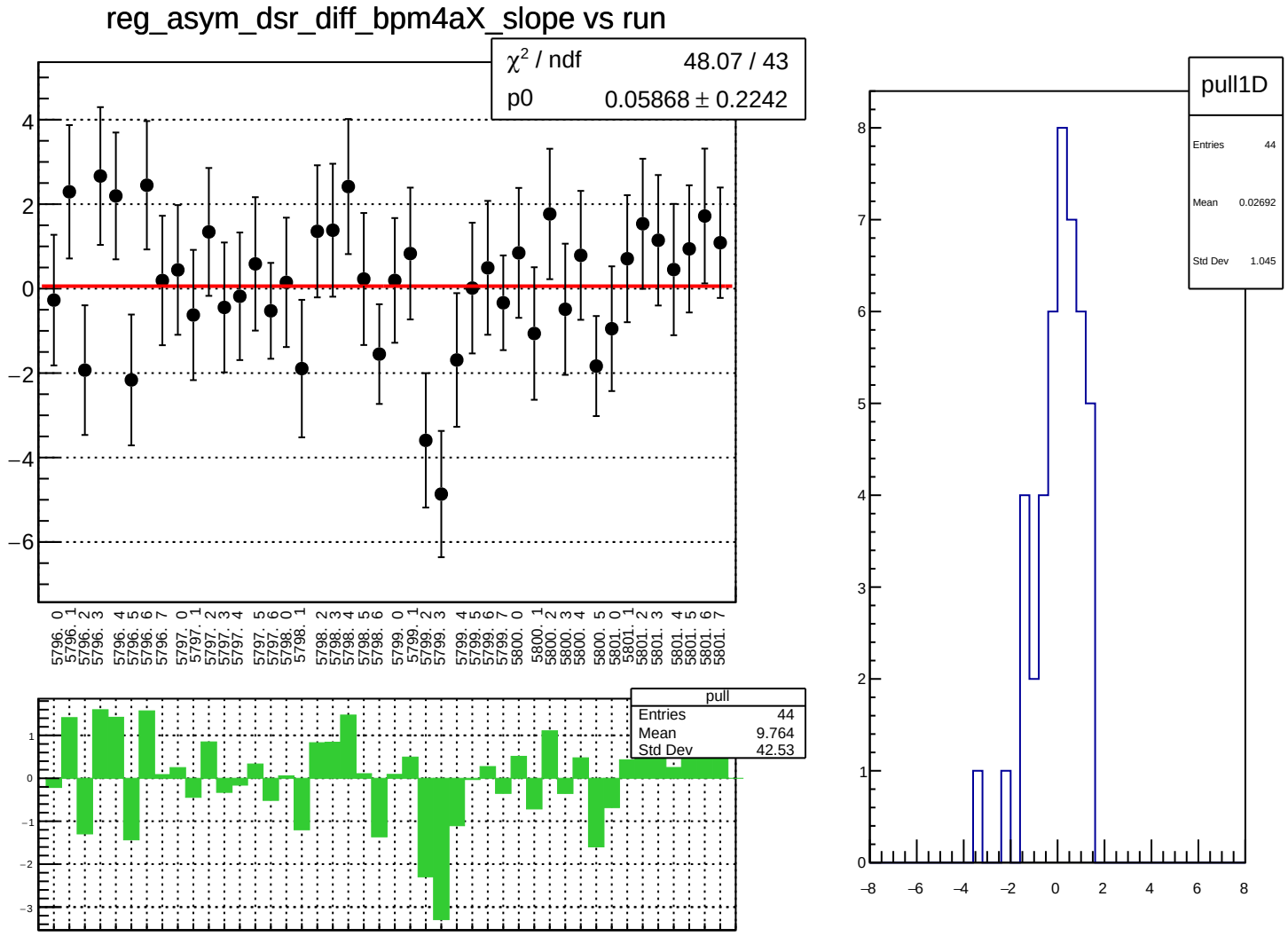

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 42.35 / 43
p0 0.4046 ± 0.2064
pull
Entries 44
Mean 183.2
Std Dev 150.7

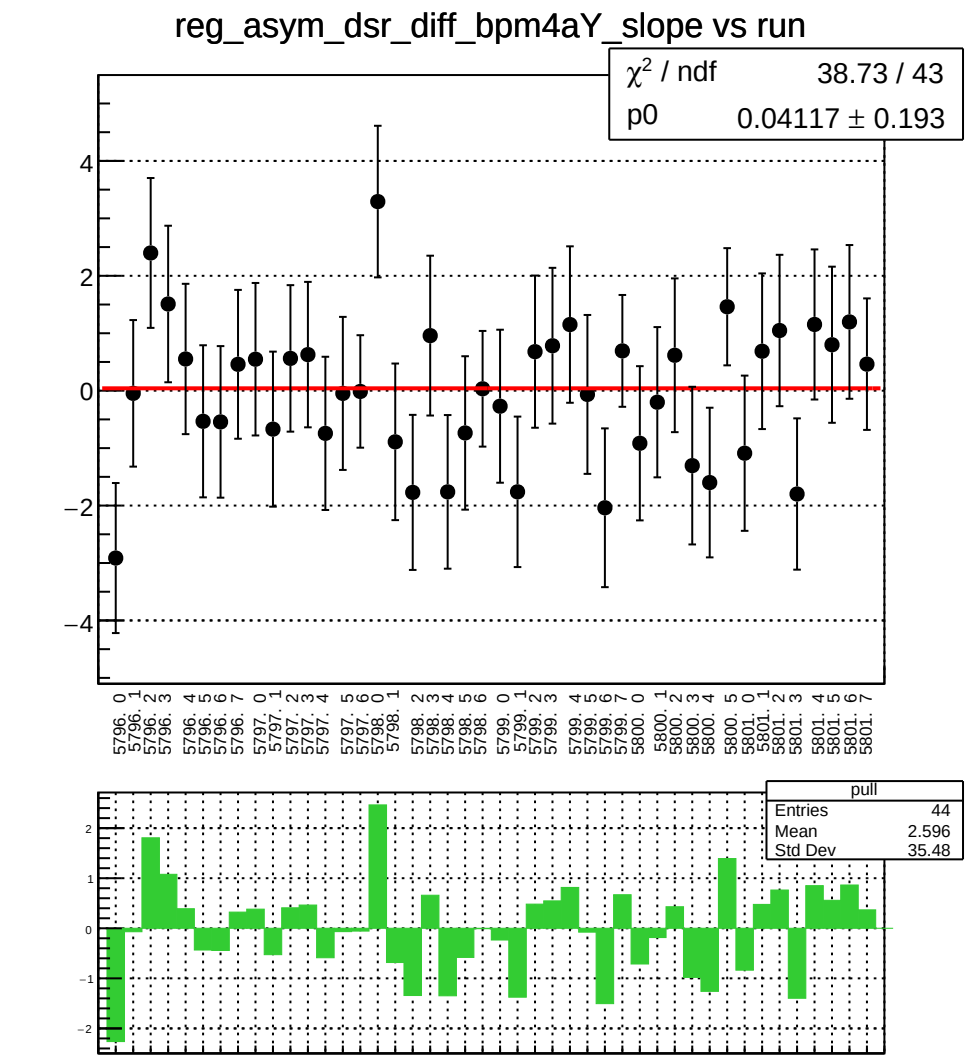

pull1D
Entries 44
Mean −0.01736
Std Dev 0.9809

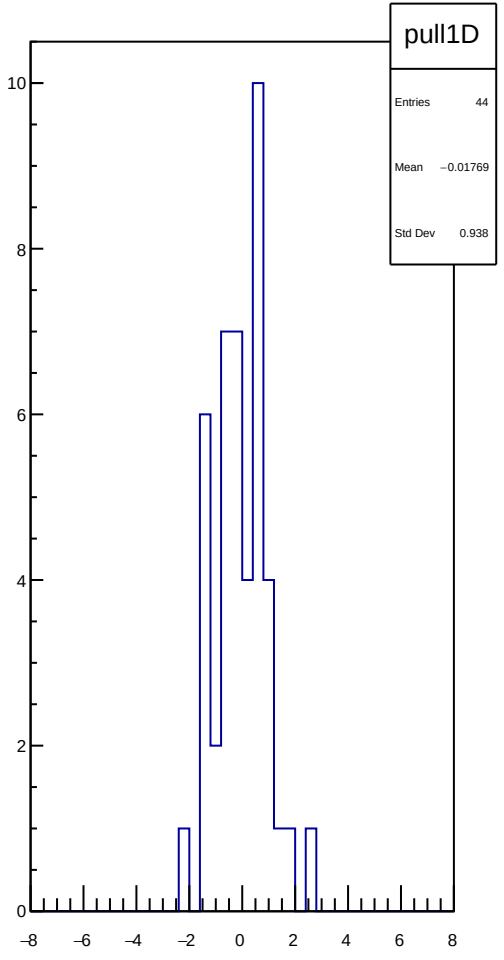

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 51.25 / 43
p0 0.2534 ± 0.1529
pull
Entries 44
Mean −190.8
Std Dev 208.2

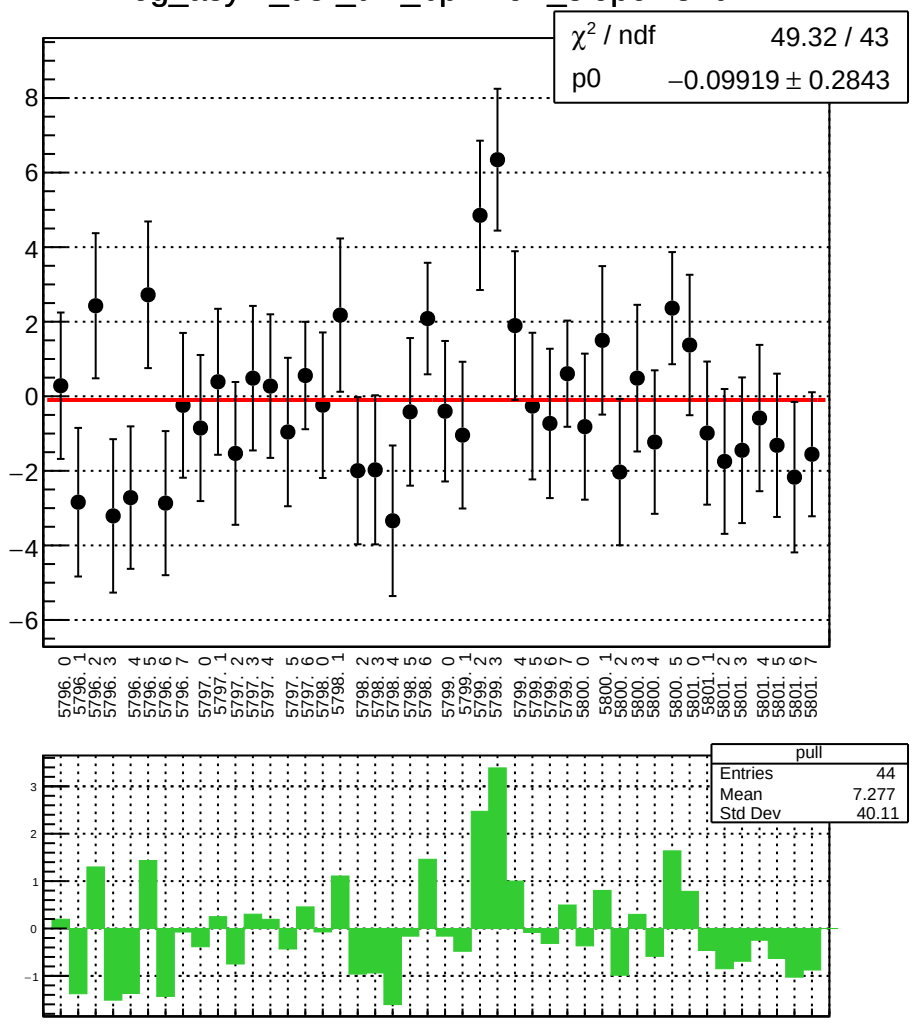

pull1D
Entries 44
Mean −0.01156
Std Dev 1.079

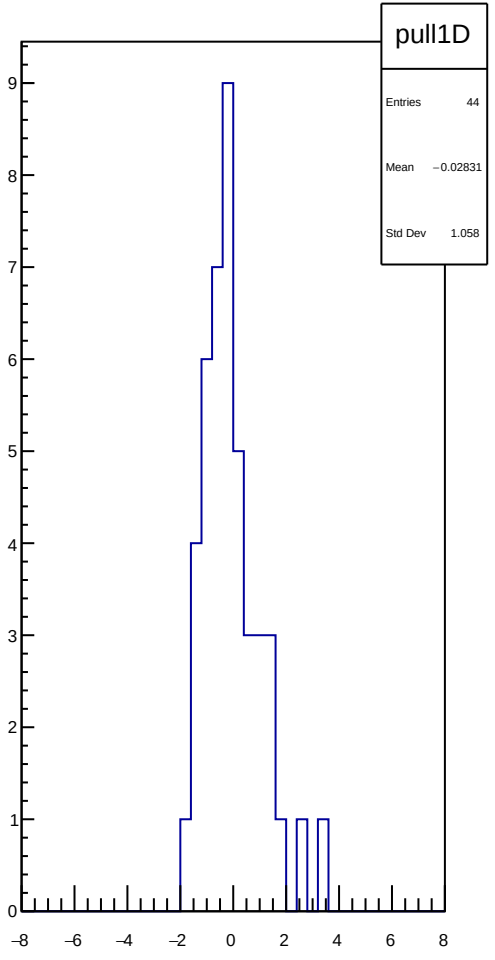

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 44.28 / 43
p0 −0.01775 ± 0.0096
0.2
0.1
0
−0.1
−0.2
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 33.37
Std Dev 41.19
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 44
Mean 0.02664
Std Dev 1.003
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

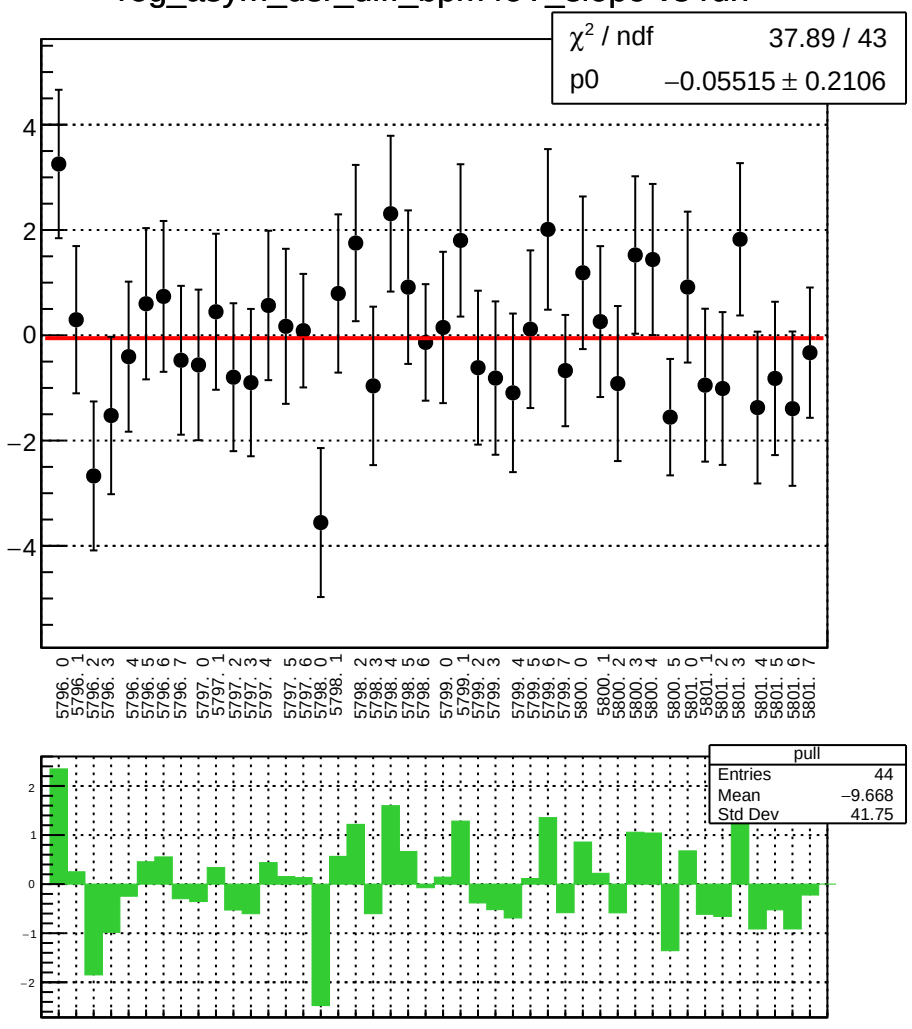

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 48.07 / 43
p0 0.05868 ± 0.2242
pull
Entries 44
Mean 9.764
Std Dev 42.53
pull1D
Entries 44
Mean 0.02692
Std Dev 1.045

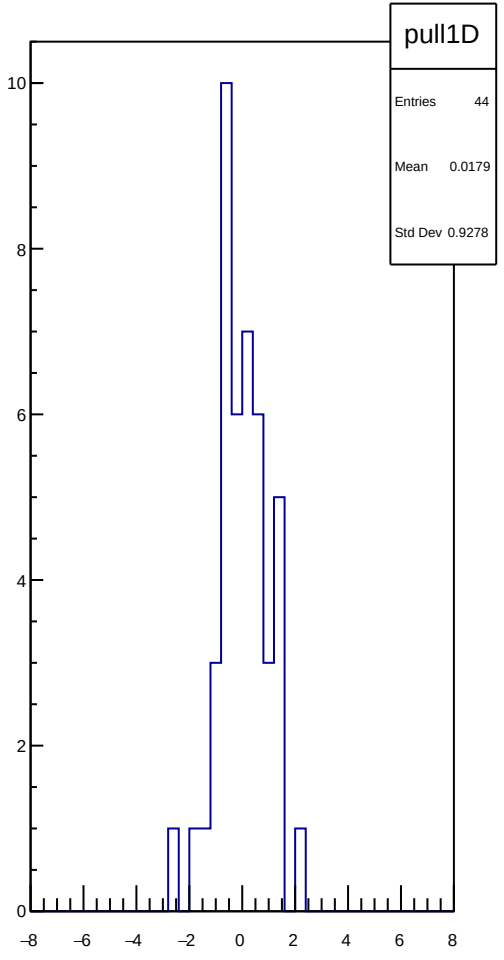

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 38.73 / 43
p0 0.04117 ± 0.193
pull
Entries 44
Mean 2.596
Std Dev 35.48

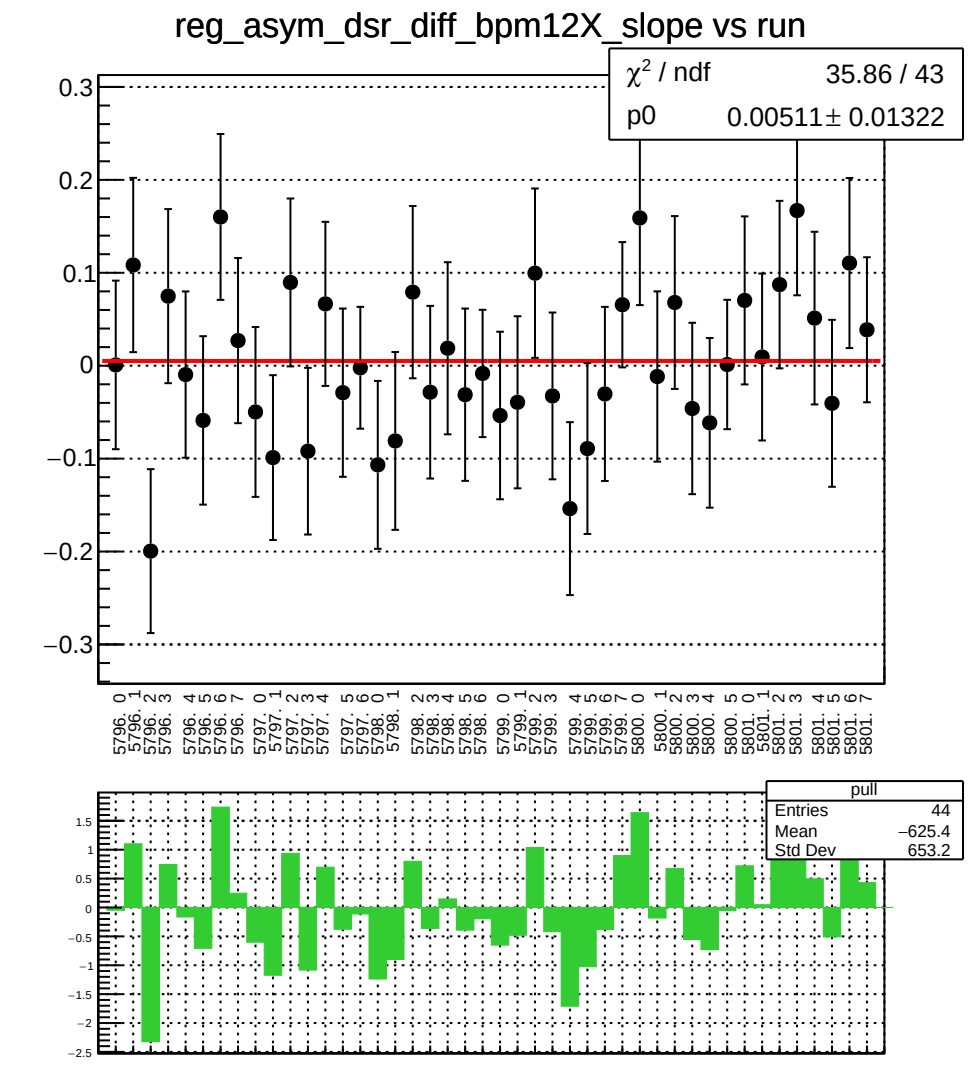

pull1D
Entries 44
Mean −0.01769
Std Dev 0.938

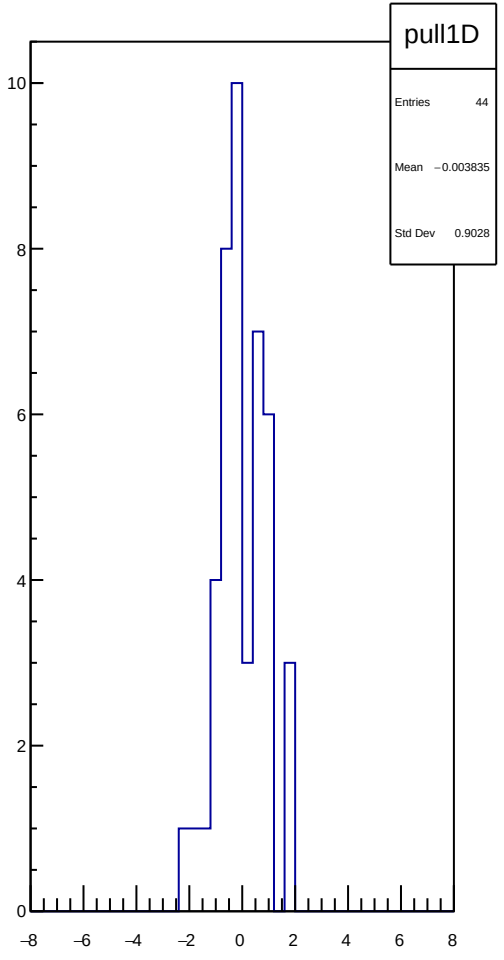

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 49.32 / 43
p0 −0.09919 ± 0.2843
pull
Entries 44
Mean 7.277
Std Dev 40.11

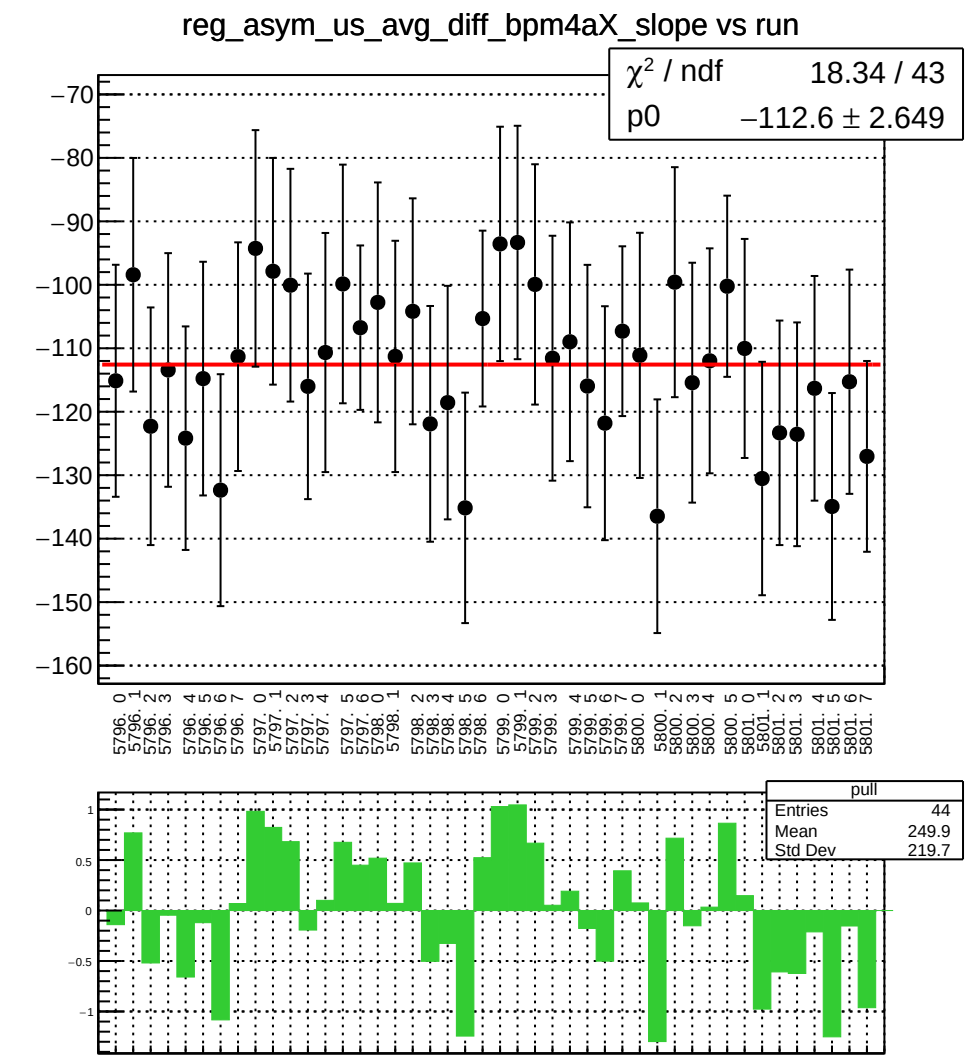

pull1D
Entries 44
Mean −0.02831
Std Dev 1.058

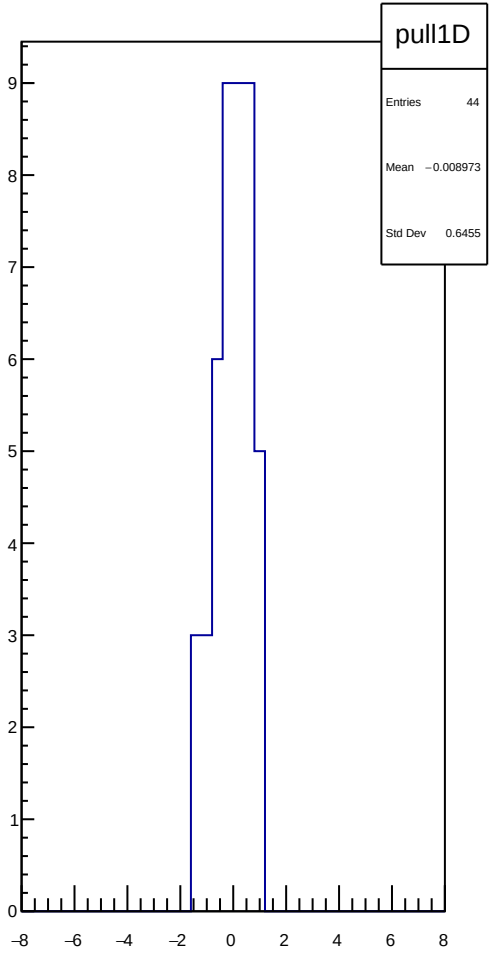

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 37.89 / 43
p0 −0.05515 ± 0.2106
pull
Entries 44
Mean −9.668
Std Dev 41.75

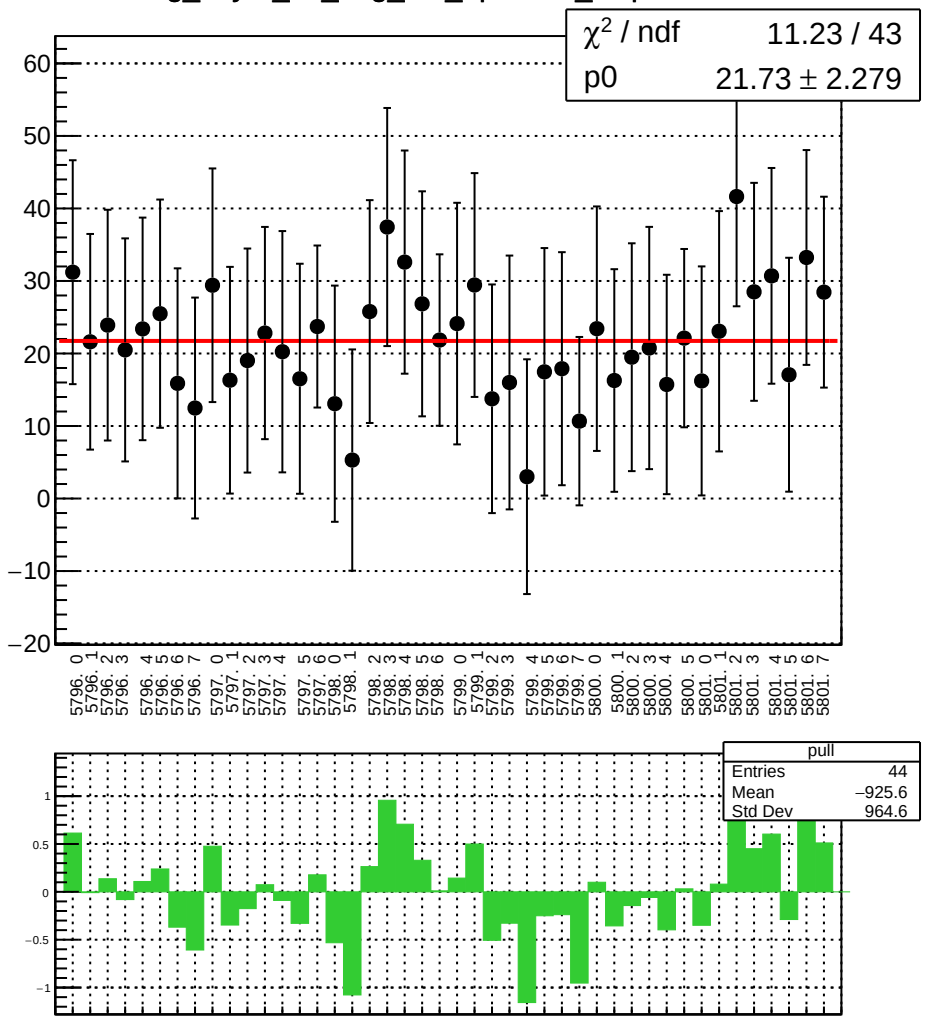

pull1D
Entries 44
Mean 0.0179
Std Dev 0.9278

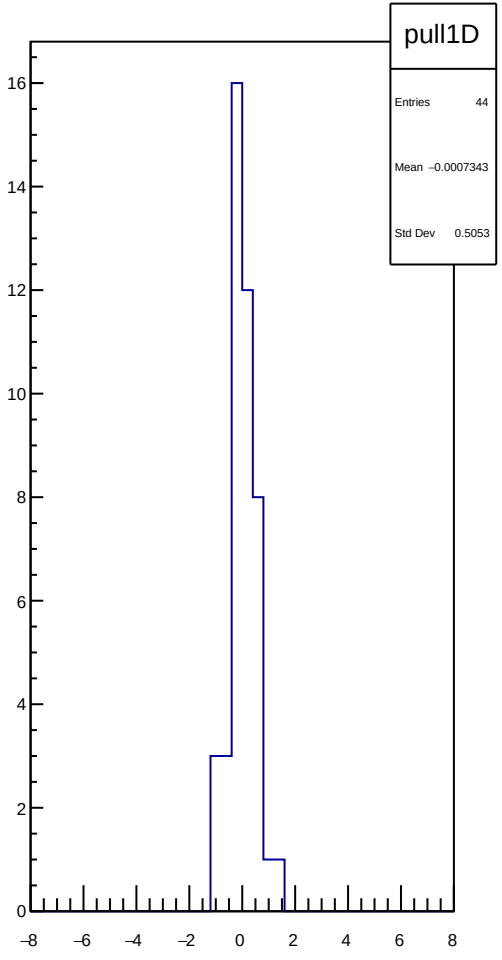

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 35.86 / 43
p0 0.00511 ± 0.01322
pull
Entries 44
Mean −625.4
Std Dev 653.2

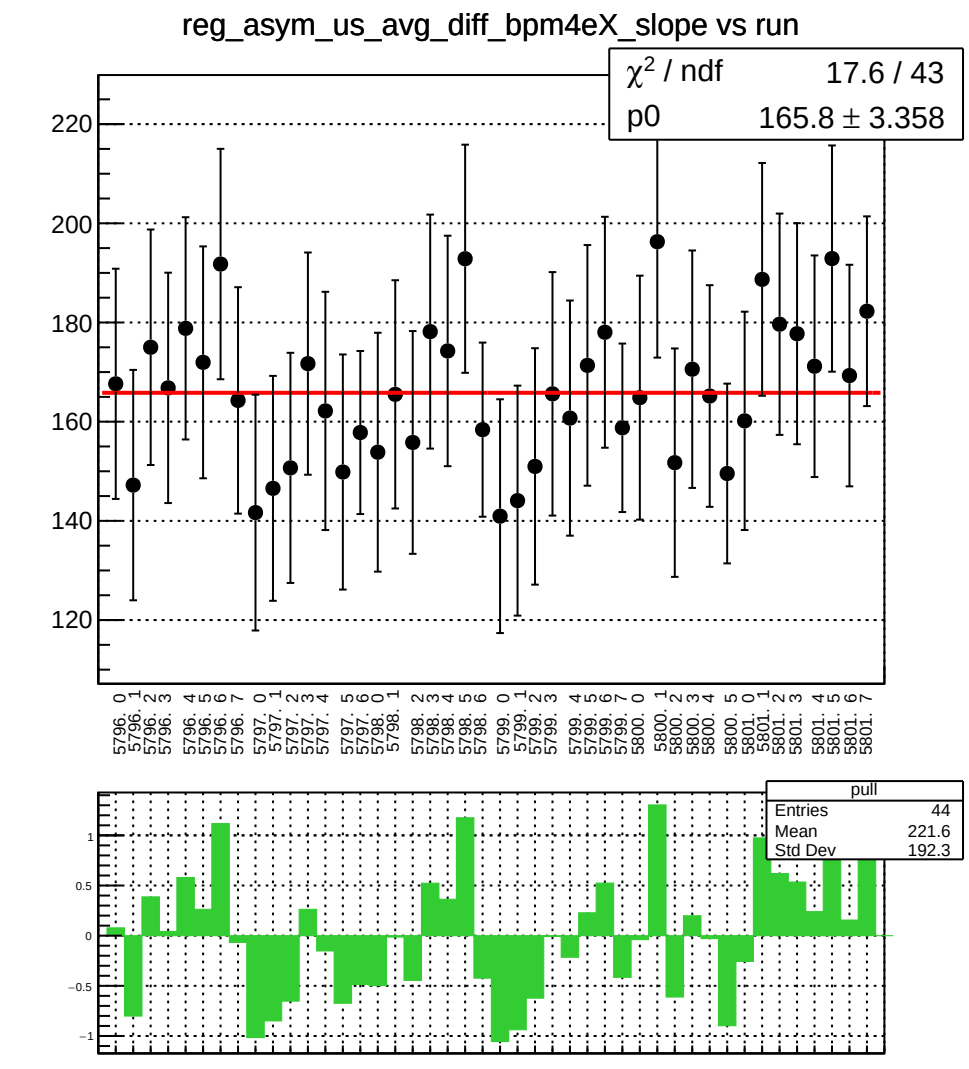

pull1D
Entries 44
Mean −0.003835
Std Dev 0.9028

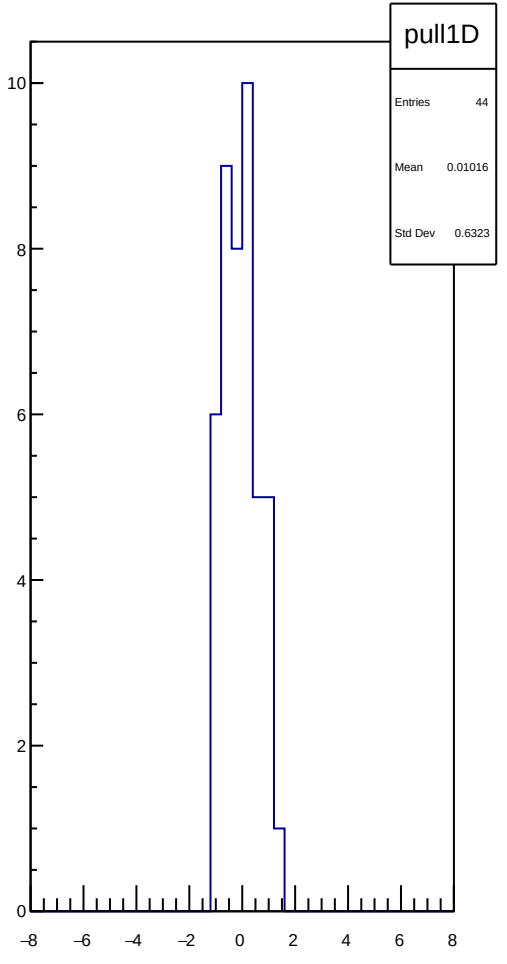

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 18.34 / 43
p0 −112.6 ± 2.649
pull
Entries 44
Mean 249.9
Std Dev 219.7

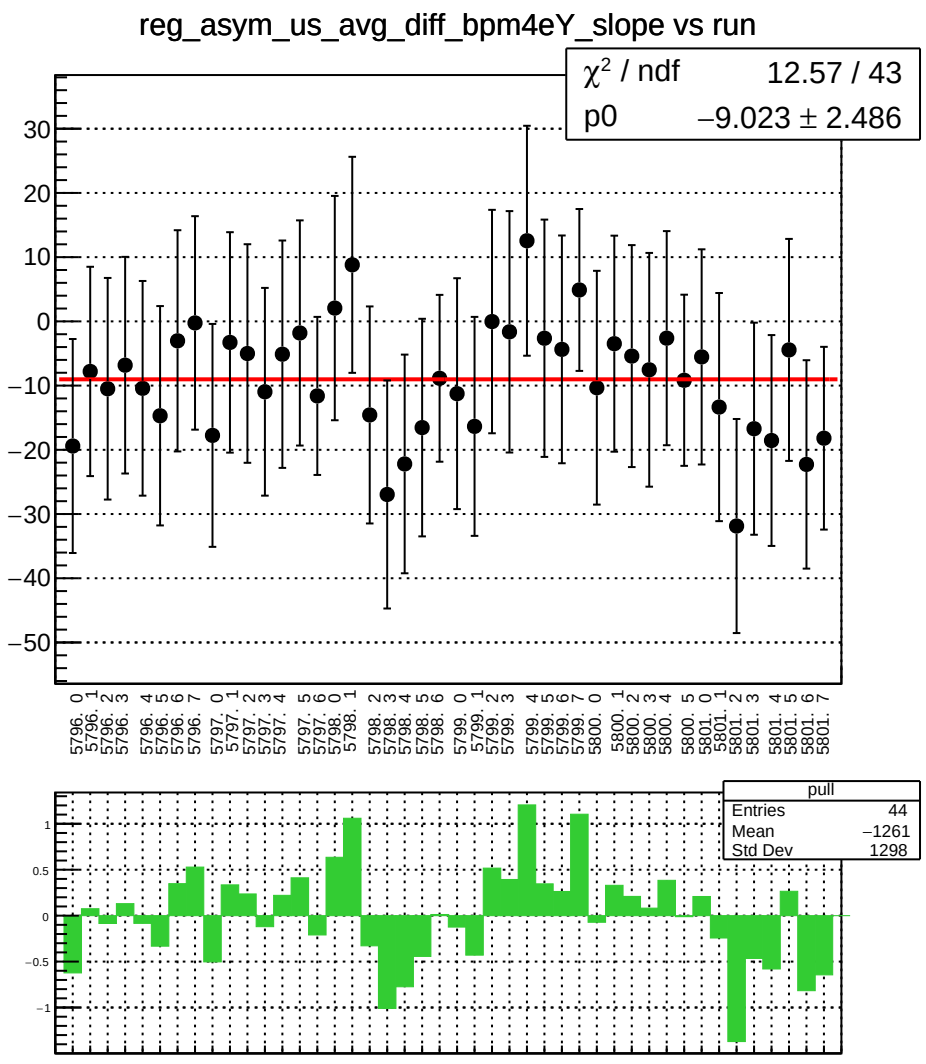

pull1D
Entries 44
Mean −0.008973
Std Dev 0.6455

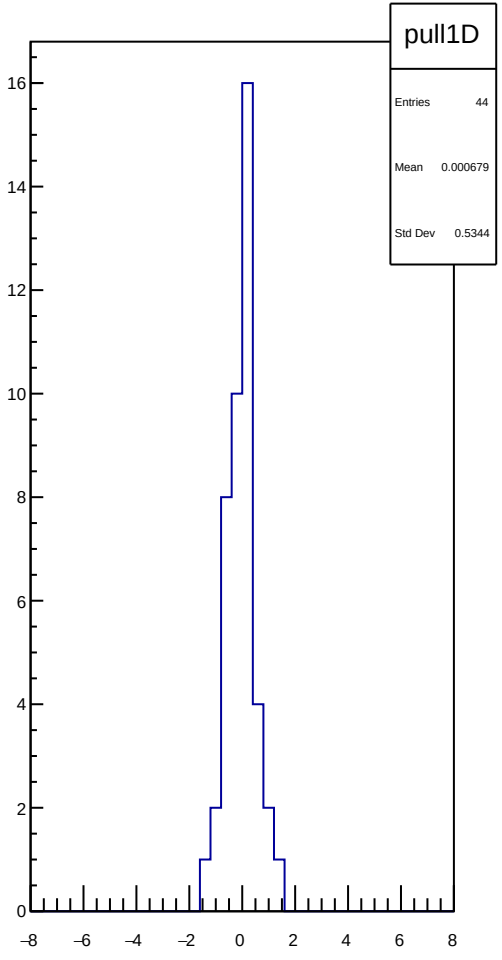

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.23 / 43
p0 21.73 ± 2.279
pull
Entries 44
Mean −925.6
Std Dev 964.6

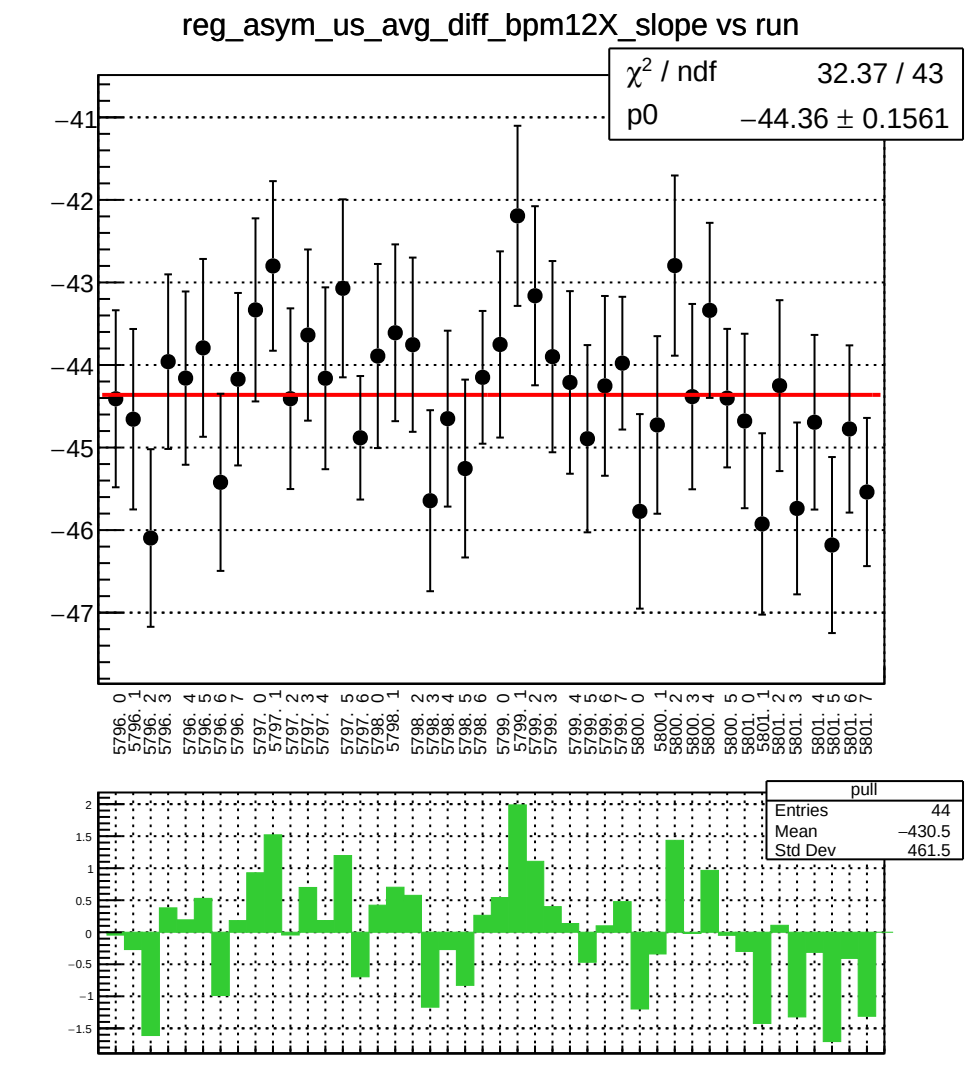

pull1D
Entries 44
Mean −0.0007343
Std Dev 0.5053

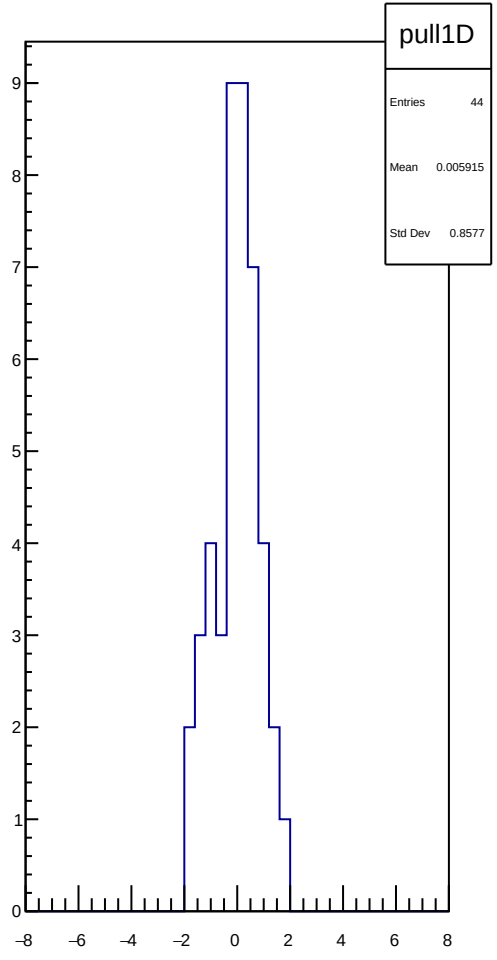

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 17.6 / 43
p0 165.8 ± 3.358
220
200
180
160
140
120
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 221.6
Std Dev 192.3
1
0.5
0
−0.5
−1

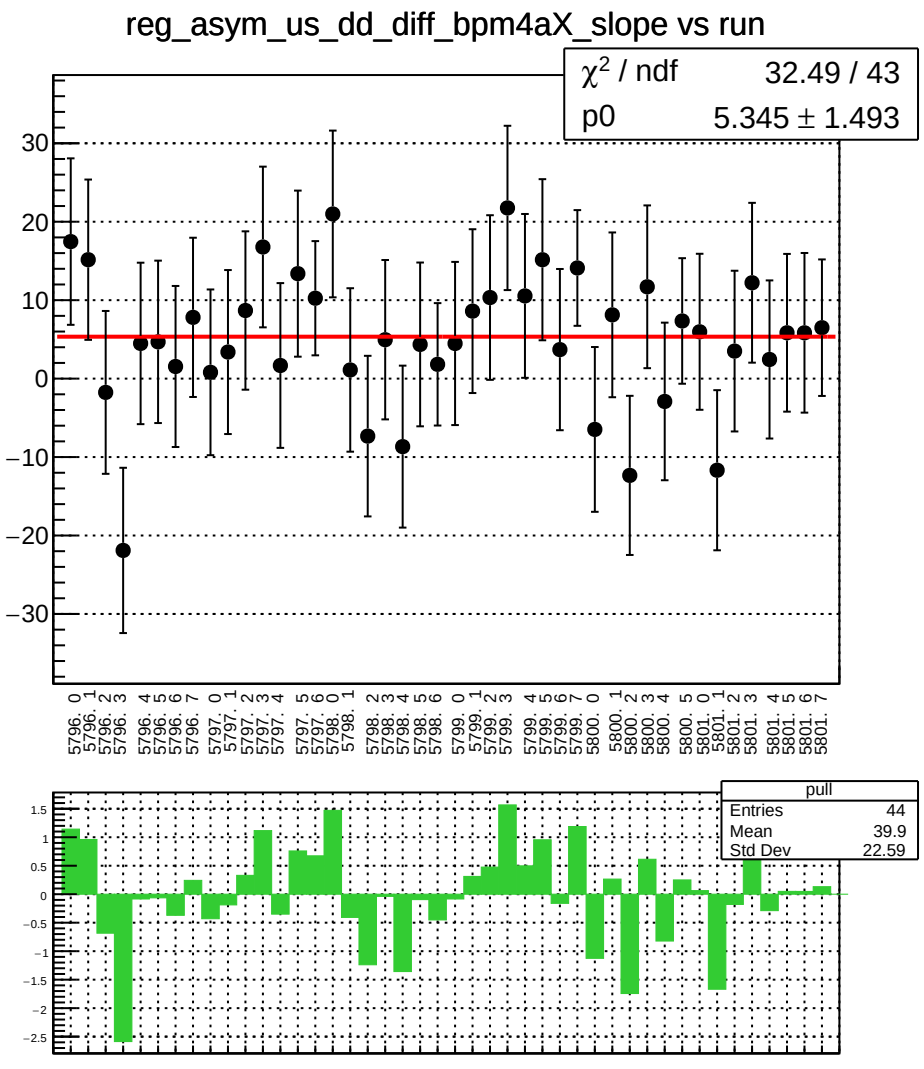

pull1D
Entries 44
Mean 0.01016
Std Dev 0.6323
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

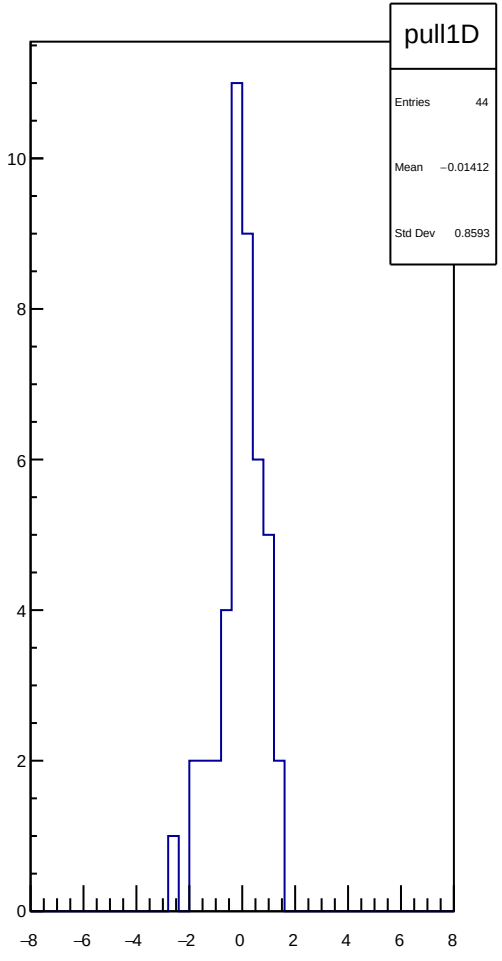

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.57 / 43
p0 −9.023 ± 2.486
pull
Entries 44
Mean −1261
Std Dev 1298

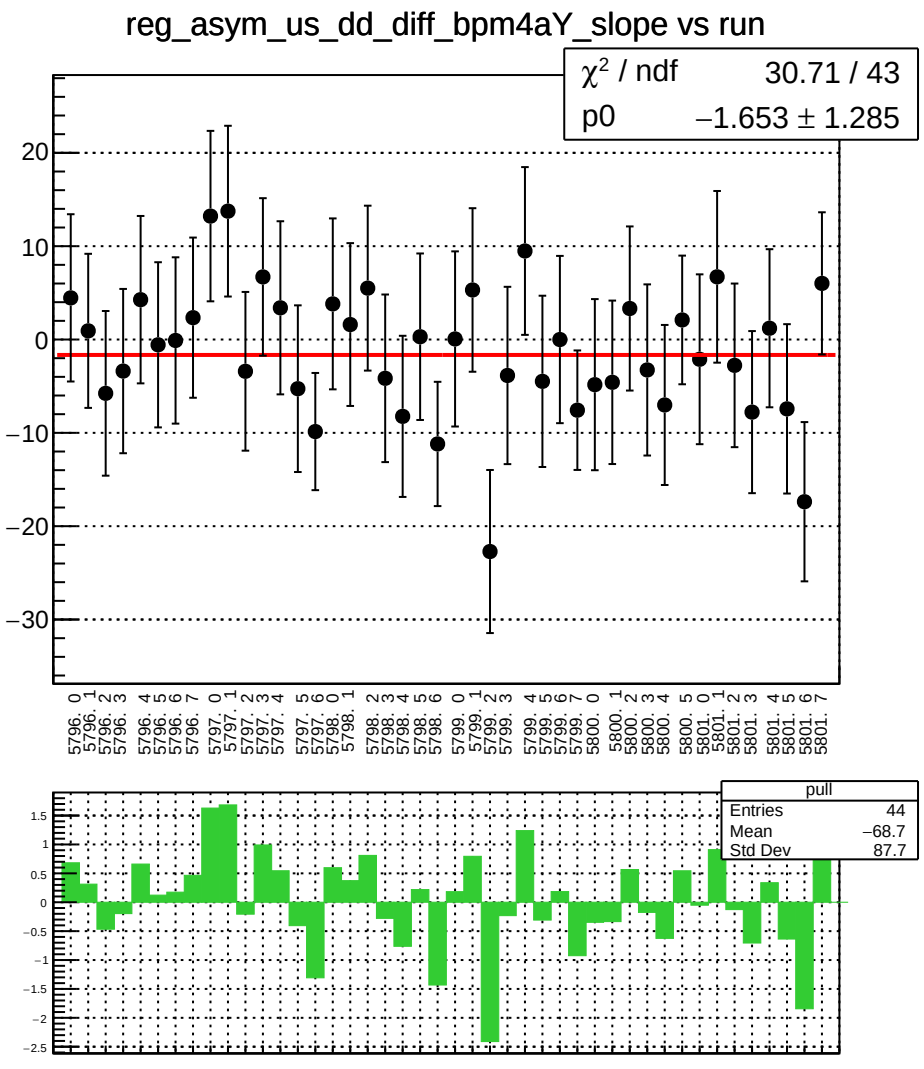

pull1D
Entries 44
Mean 0.000679
Std Dev 0.5344

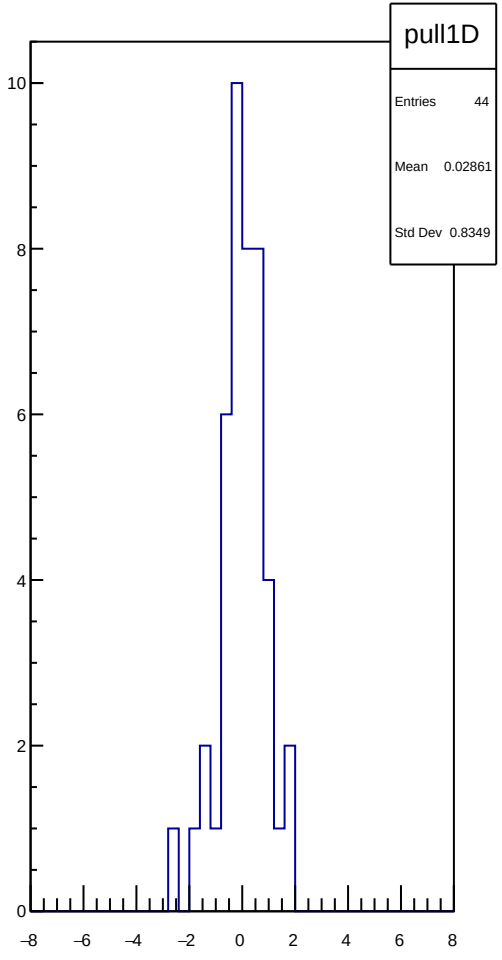

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 32.37 / 43
p0 −44.36 ± 0.1561
pull
Entries 44
Mean −430.5
Std Dev 461.5

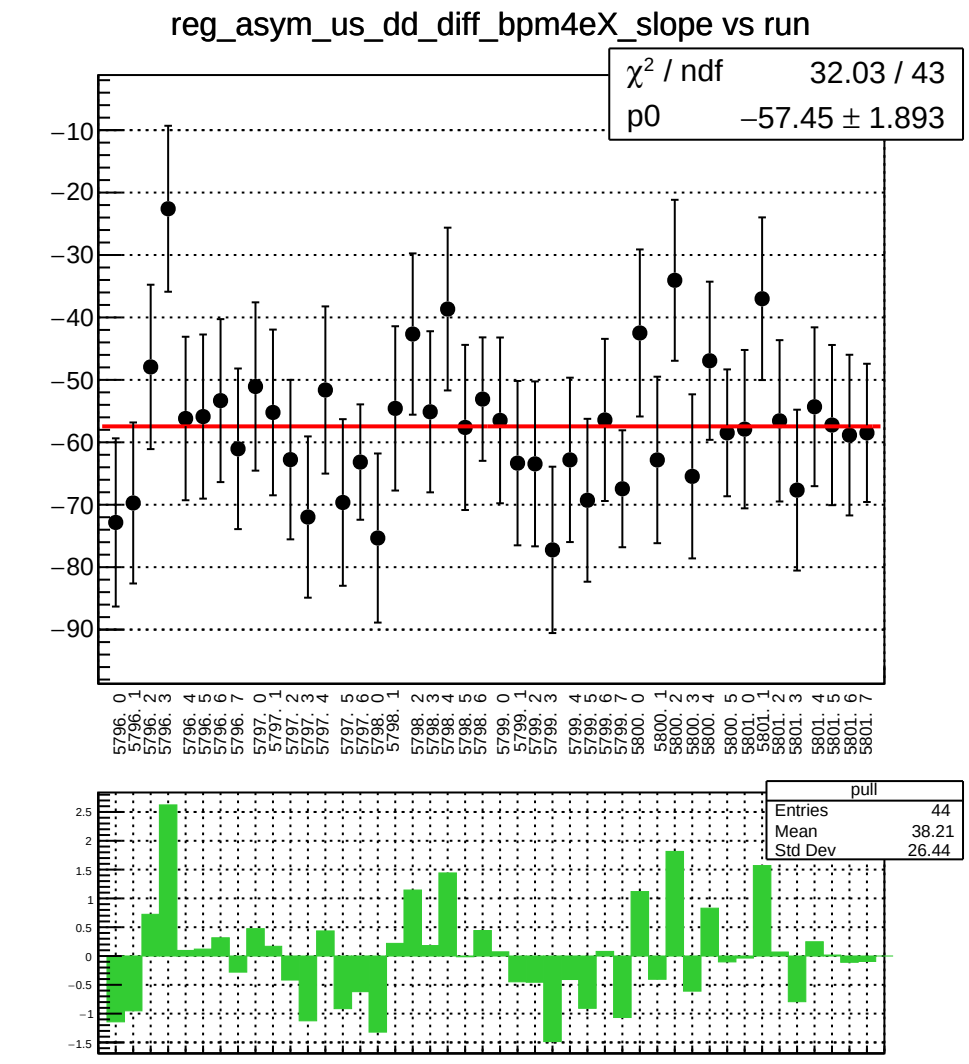

pull1D
Entries 44
Mean 0.005915
Std Dev 0.8577

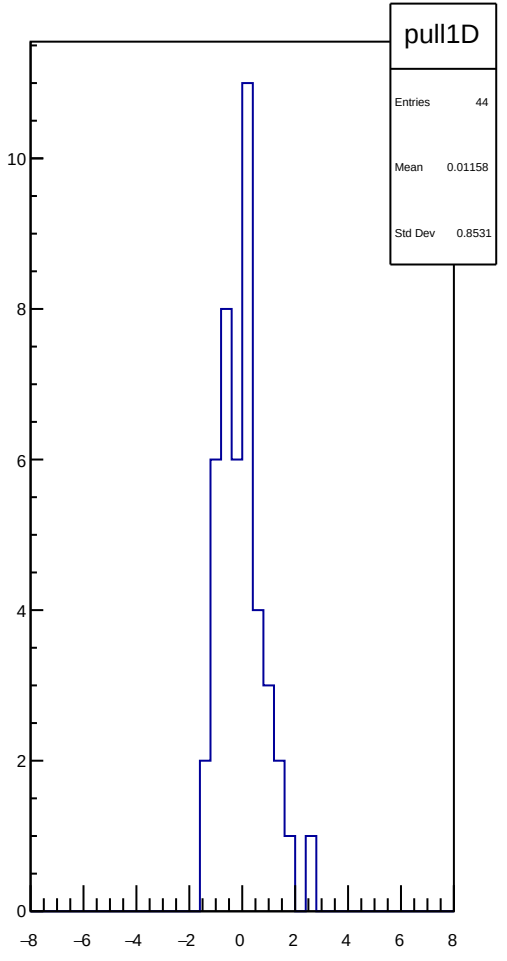

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.49 / 43
p0 5.345 ± 1.493
pull
Entries 44
Mean 39.9
Std Dev 22.59

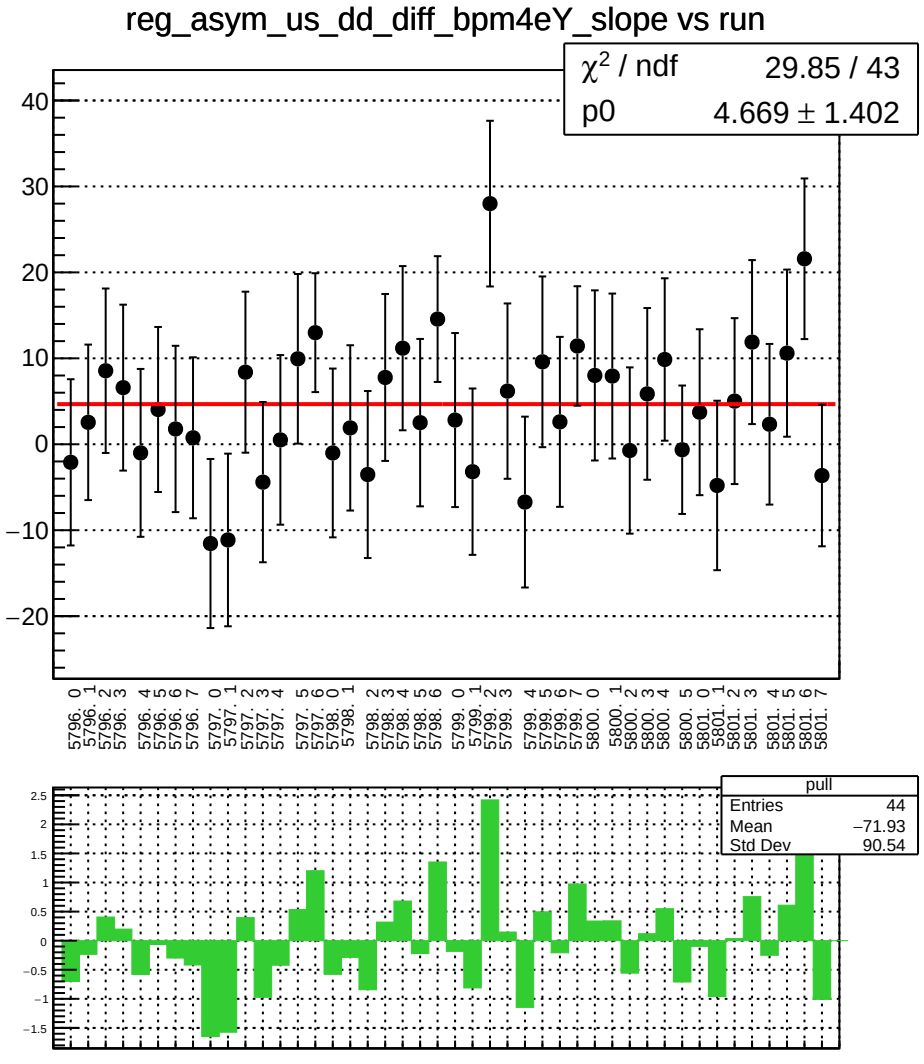

pull1D
Entries 44
Mean −0.01412
Std Dev 0.8593

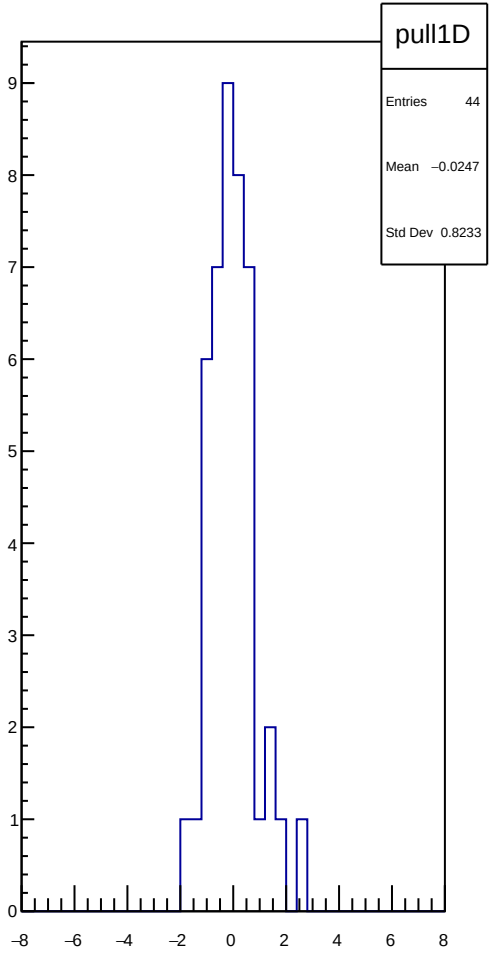

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.71 / 43
p0 −1.653 ± 1.285
pull
Entries 44
Mean −68.7
Std Dev 87.7

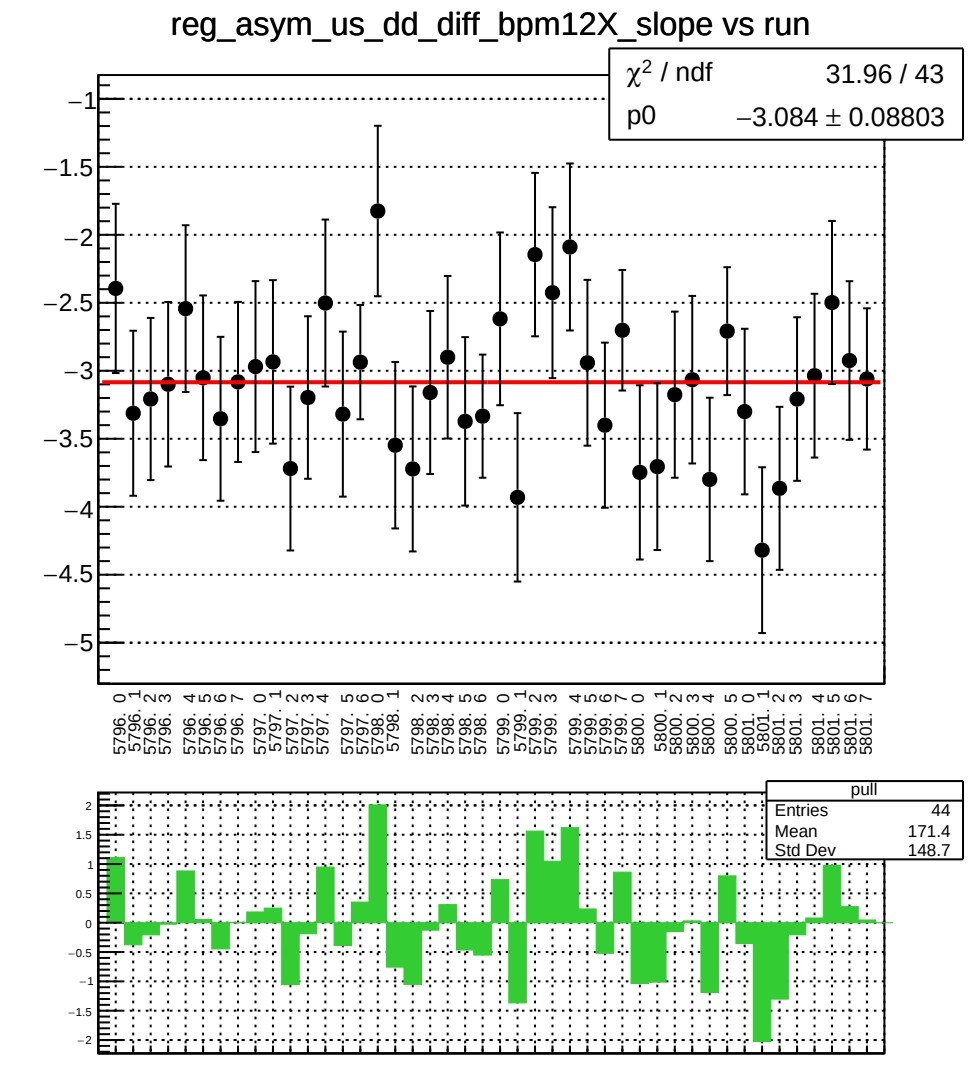

pull1D
Entries 44
Mean 0.02861
Std Dev 0.8349

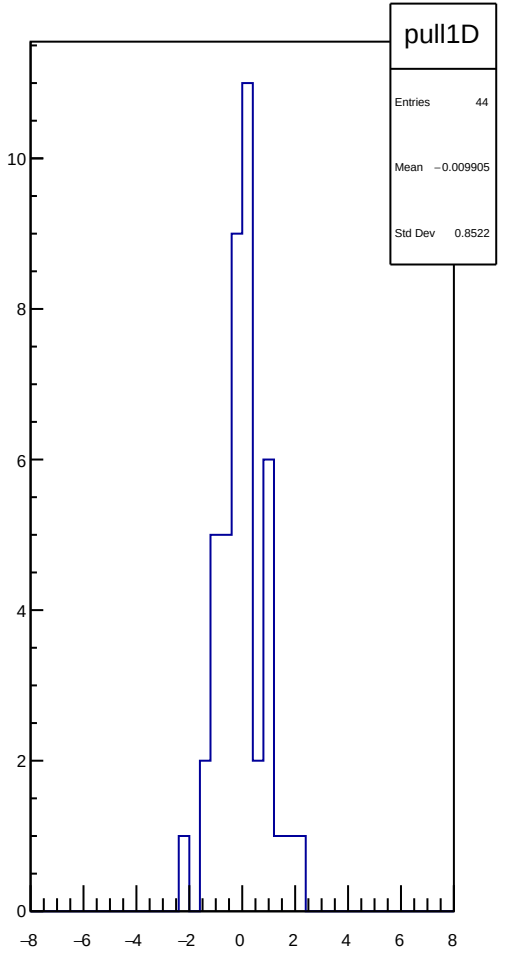

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.03 / 43
p0 −57.45 ± 1.893
pull
Entries 44
Mean 38.21
Std Dev 26.44

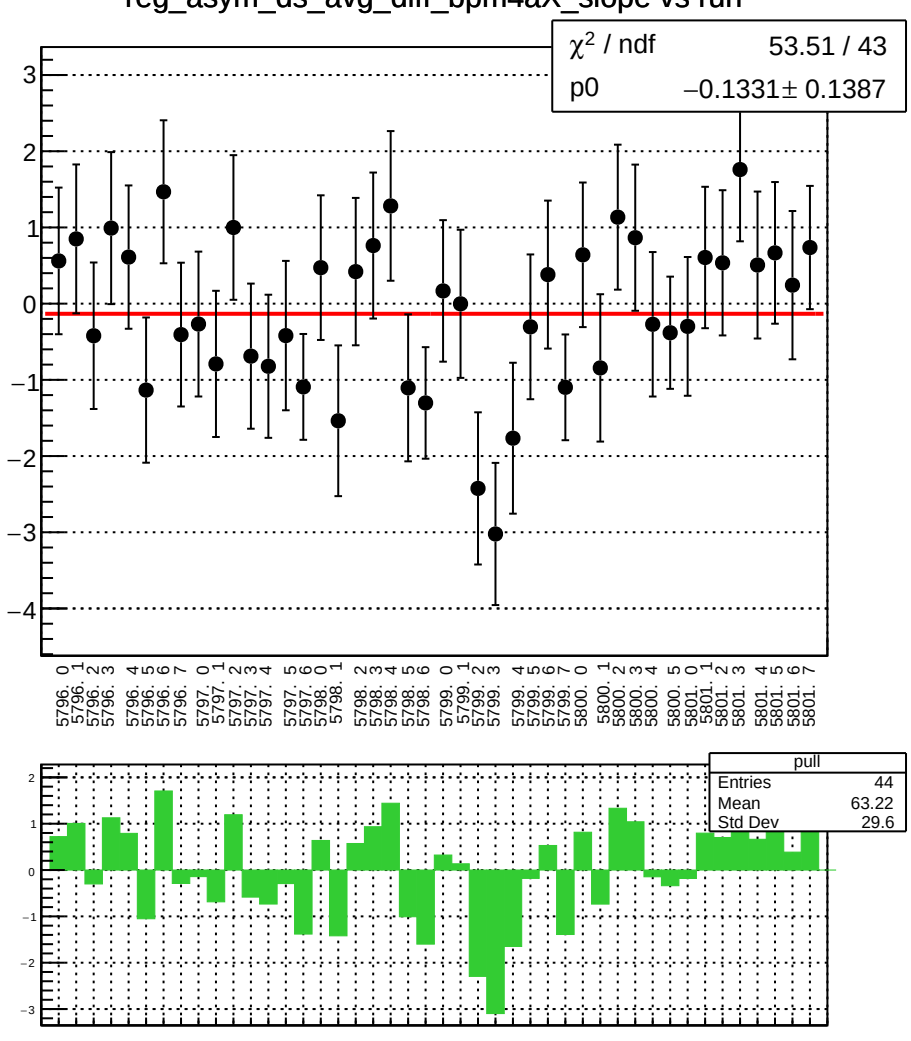

pull1D
Entries 44
Mean 0.01158
Std Dev 0.8531

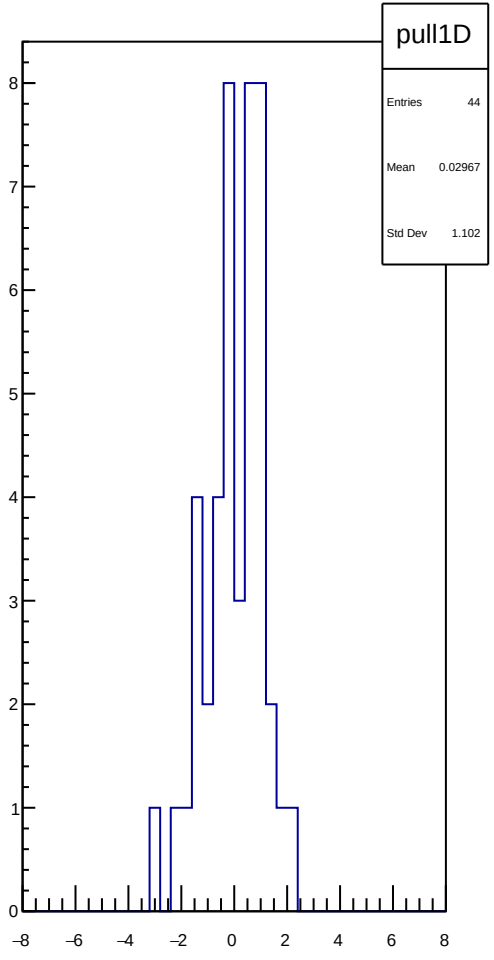

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.85 / 43
p0 4.669 ± 1.402
pull
Entries 44
Mean −71.93
Std Dev 90.54


pull1D
Entries 44
Mean −0.0247
Std Dev 0.8233

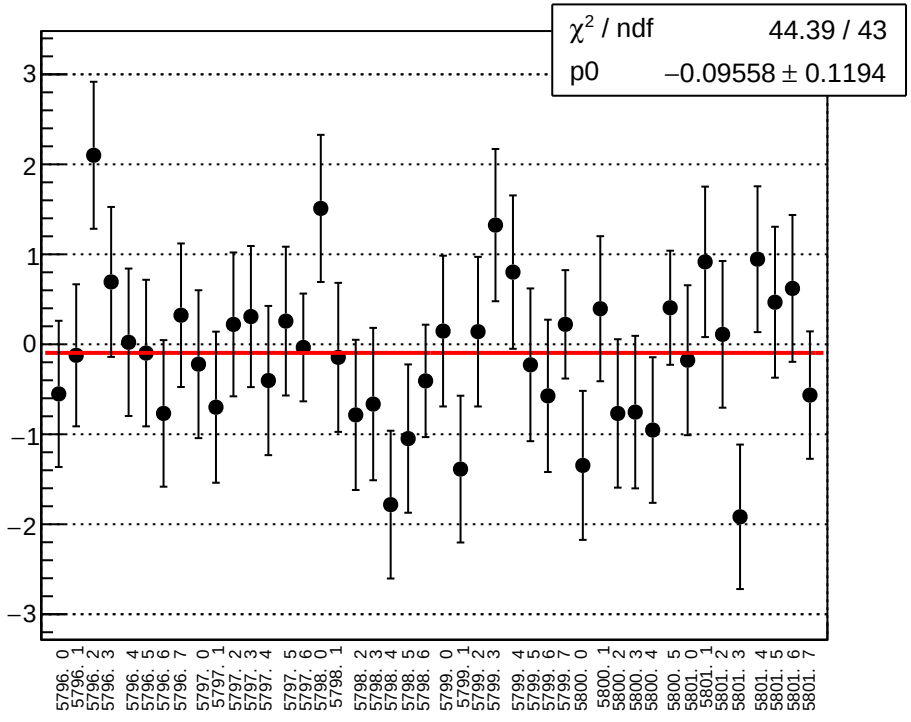

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 31.96 / 43
p0 −3.084 ± 0.08803
pull
Entries 44
Mean 171.4
Std Dev 148.7

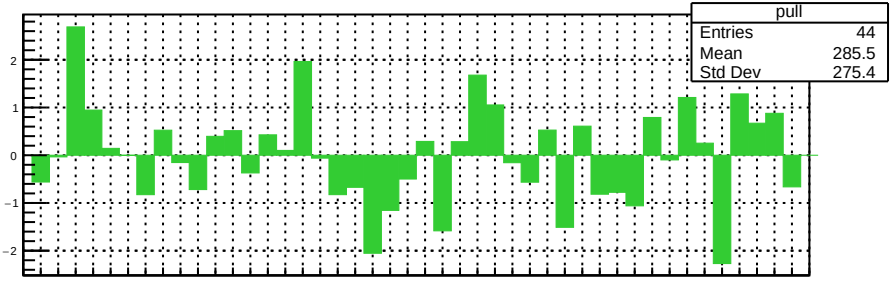

pull1D
Entries 44
Mean −0.009905
Std Dev 0.8522

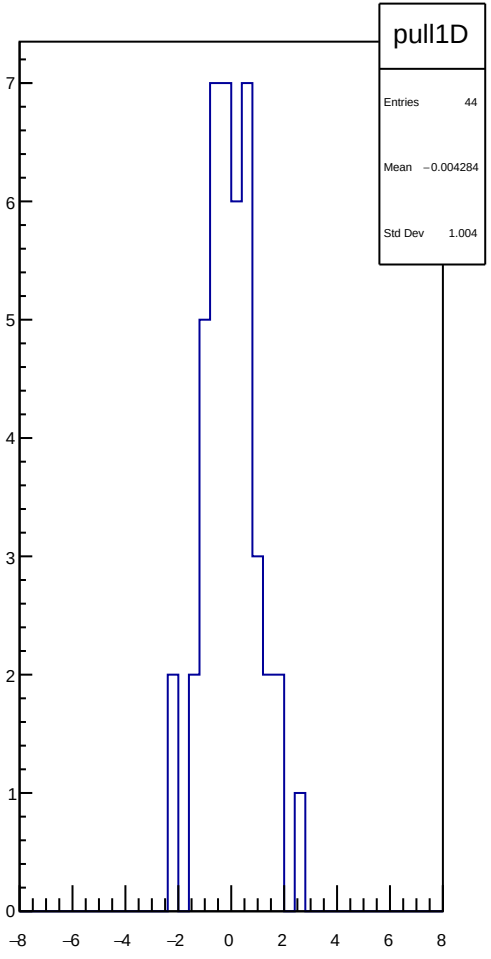

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 53.51 / 43
p0 −0.1331± 0.1387
pull
Entries 44
Mean 63.22
Std Dev 29.6

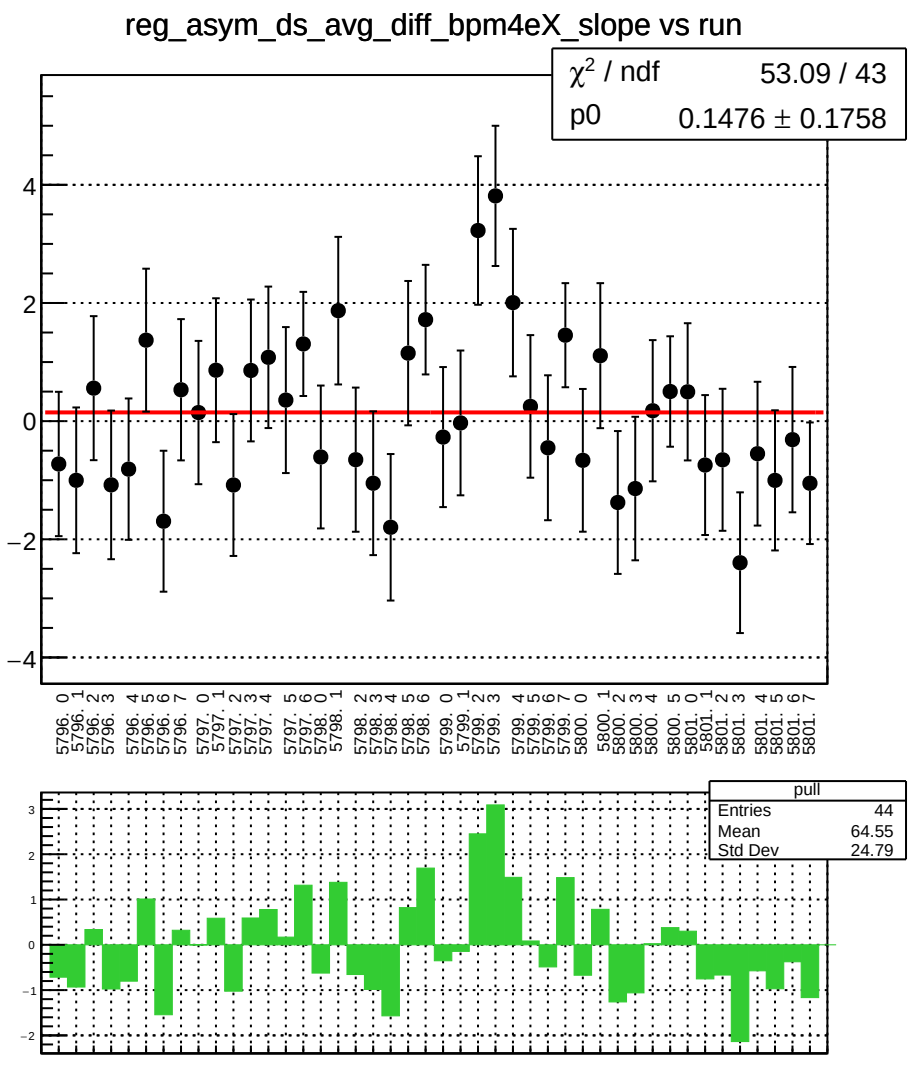

pull1D
Entries 44
Mean 0.02967
Std Dev 1.102

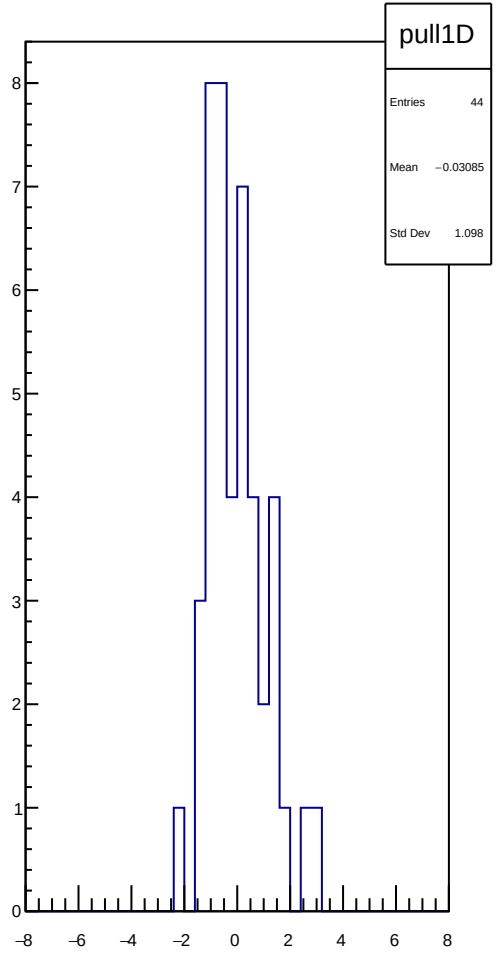
reg_asym_ds_avg_diff_bpm4aY_slope vs run

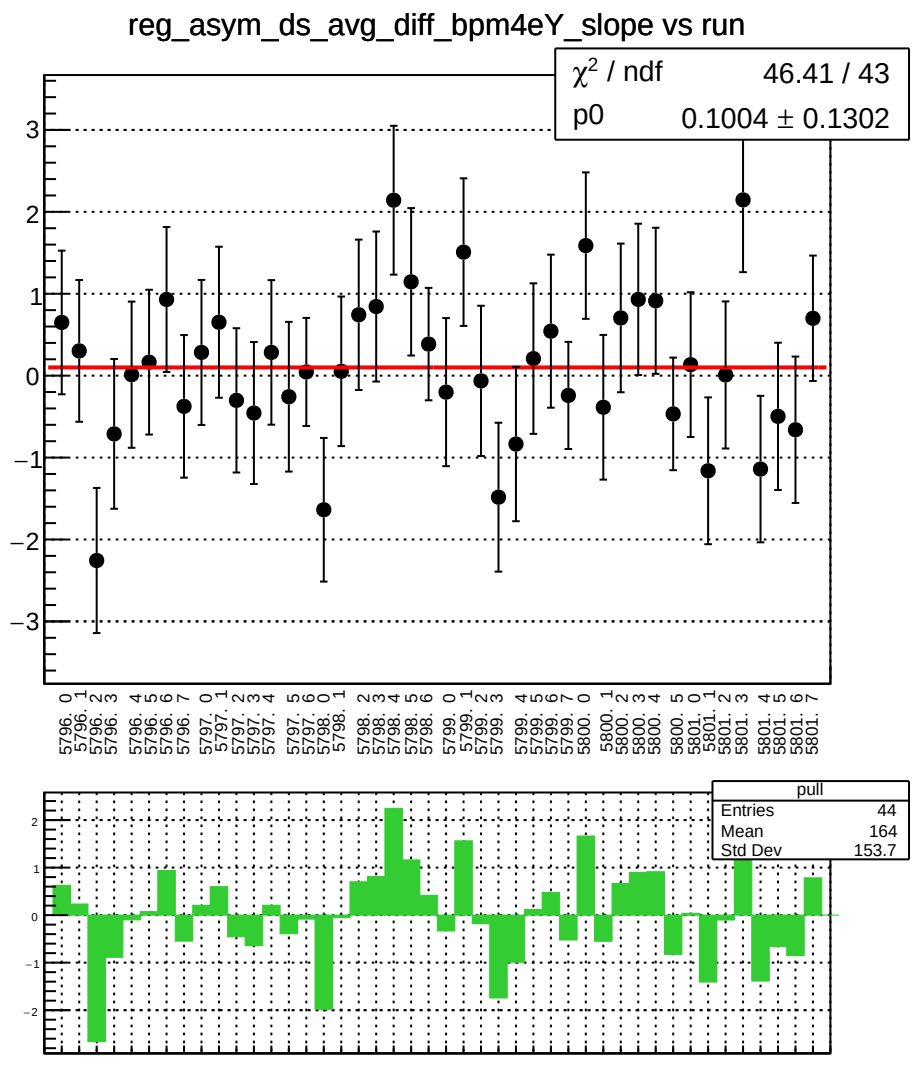


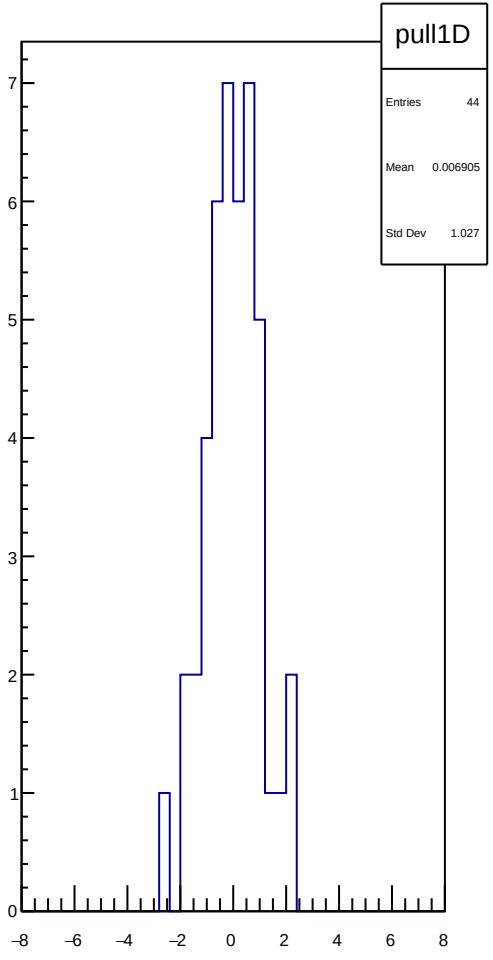


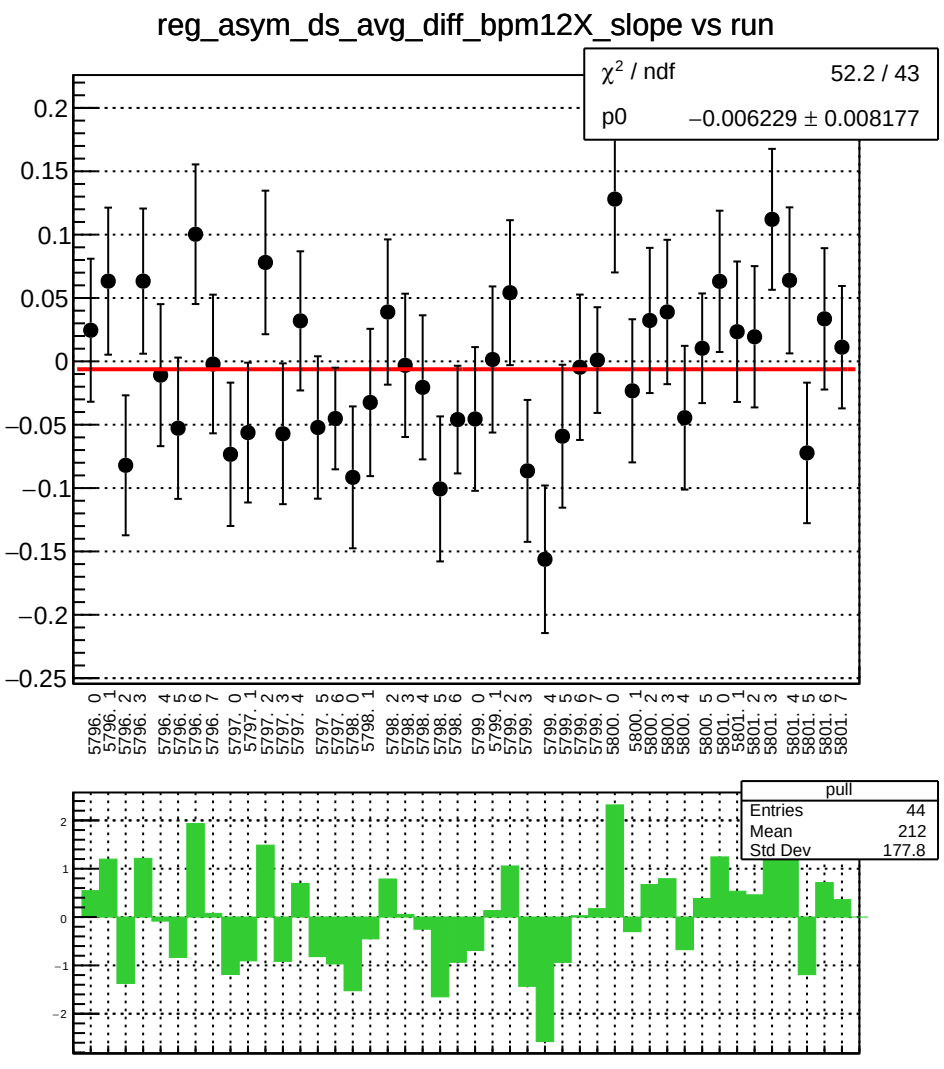


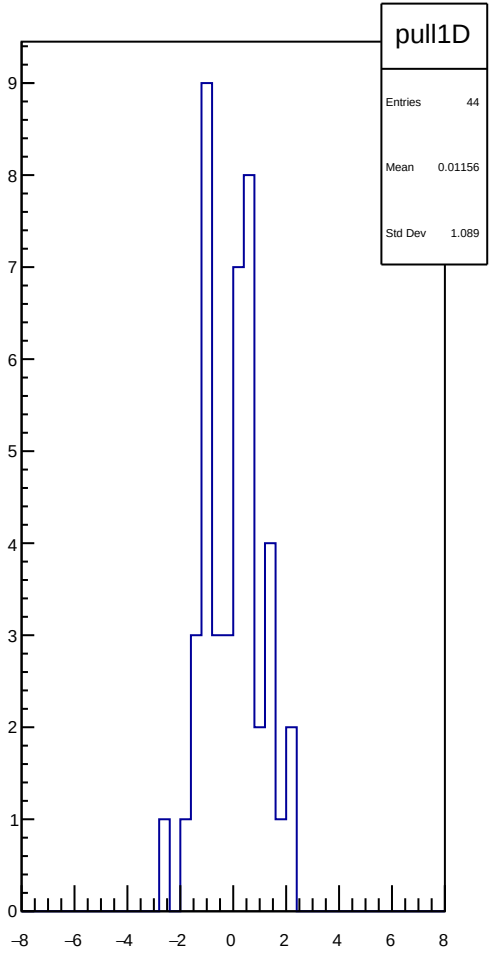

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.09 / 43
p0 0.1476 ± 0.1758
pull
Entries 44
Mean 64.55
Std Dev 24.79

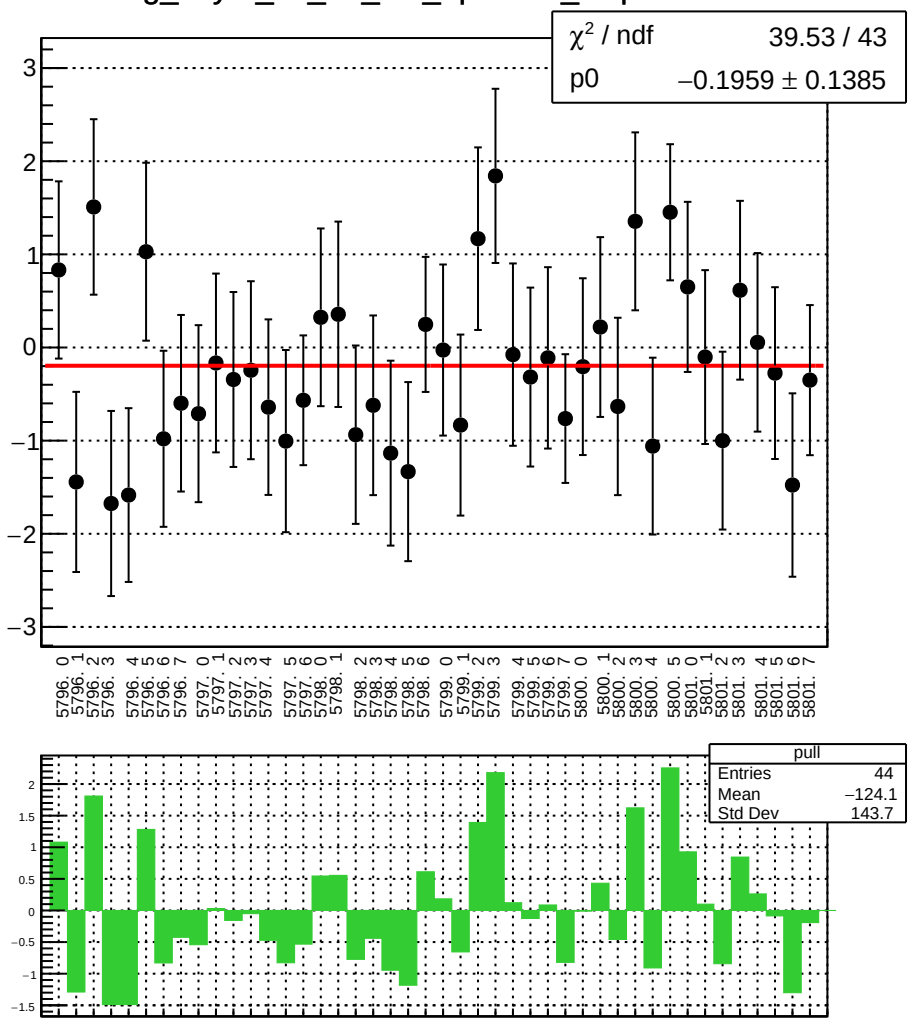

pull1D
Entries 44
Mean −0.03085
Std Dev 1.098

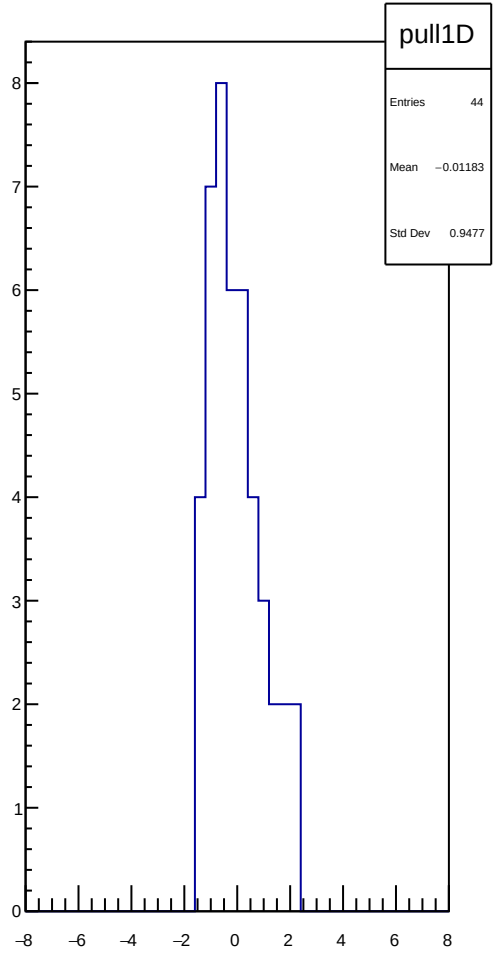

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.41 / 43
p0 0.1004 ± 0.1302
pull
Entries 44
Mean 164
Std Dev 153.7

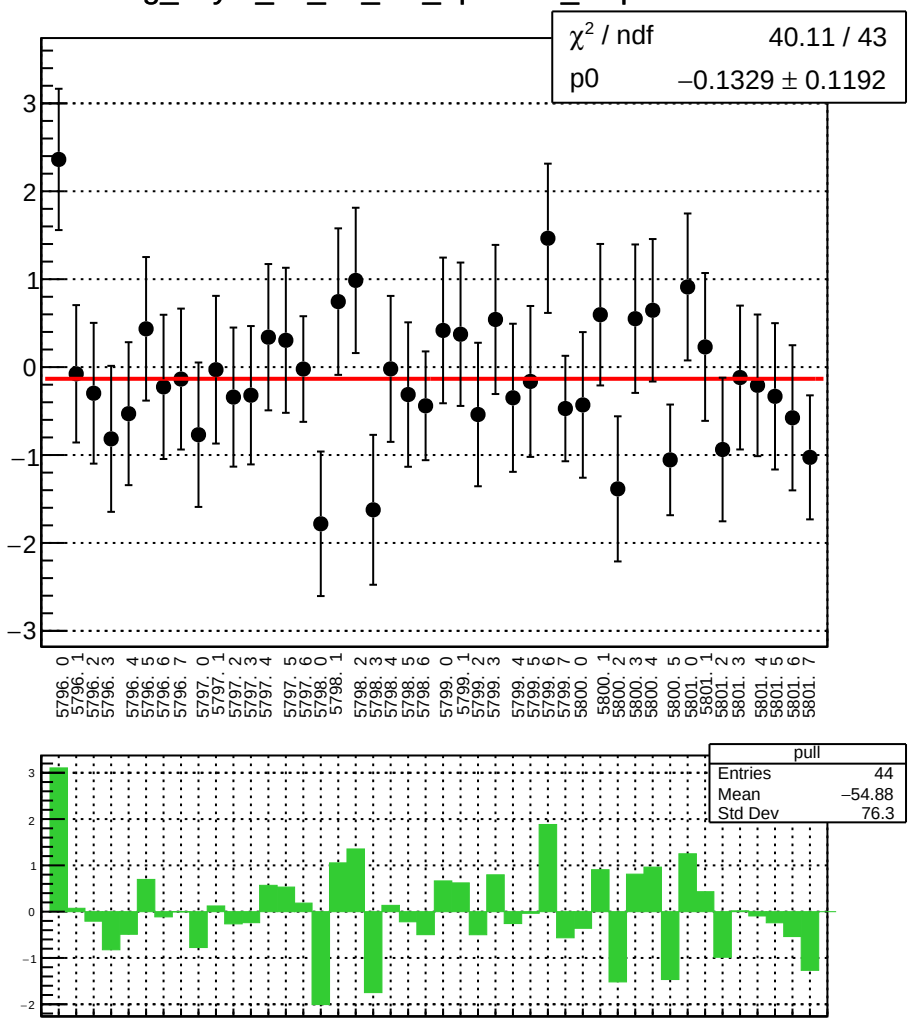

pull1D
Entries 44
Mean 0.006905
Std Dev 1.027

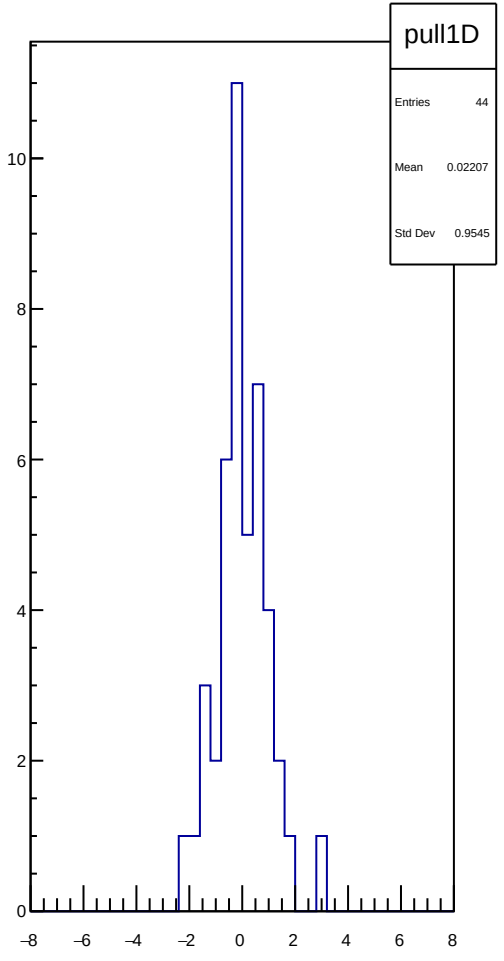

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 52.2 / 43
p0 −0.006229 ± 0.008177
pull
Entries 44
Mean 212
Std Dev 177.8

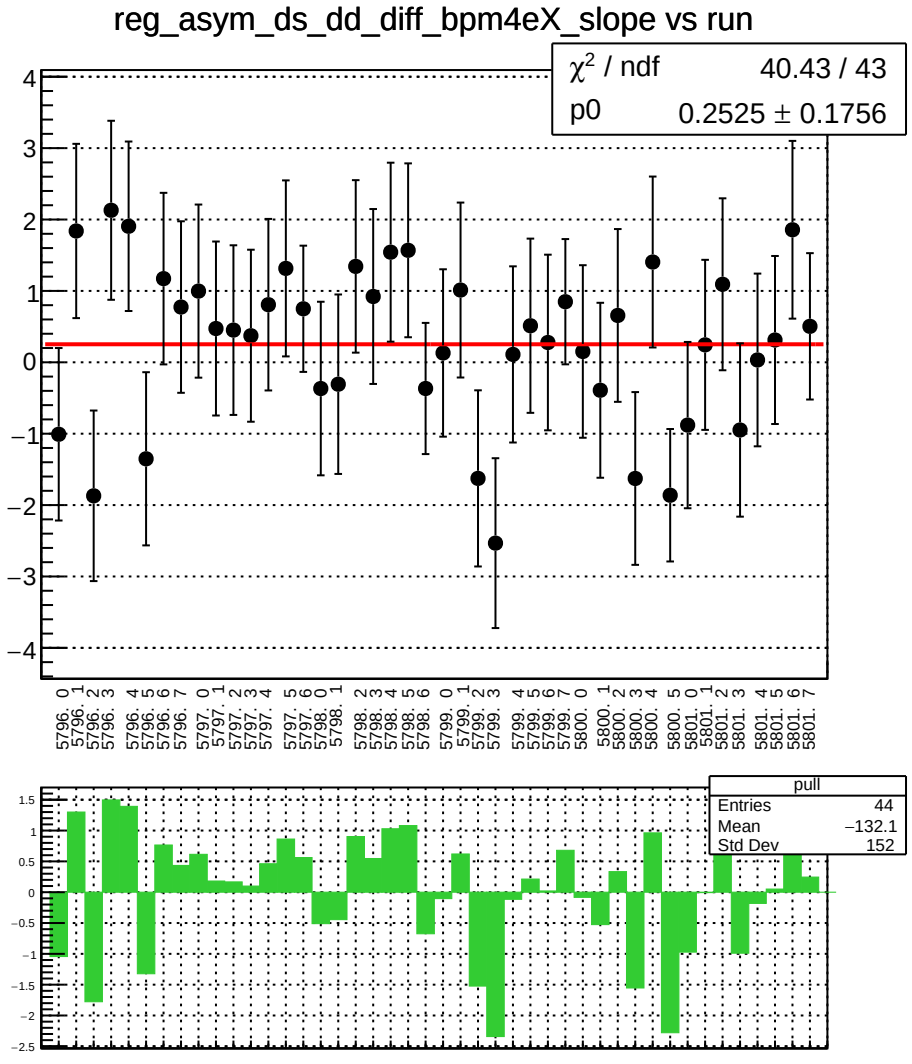

pull1D
Entries 44
Mean 0.01156
Std Dev 1.089

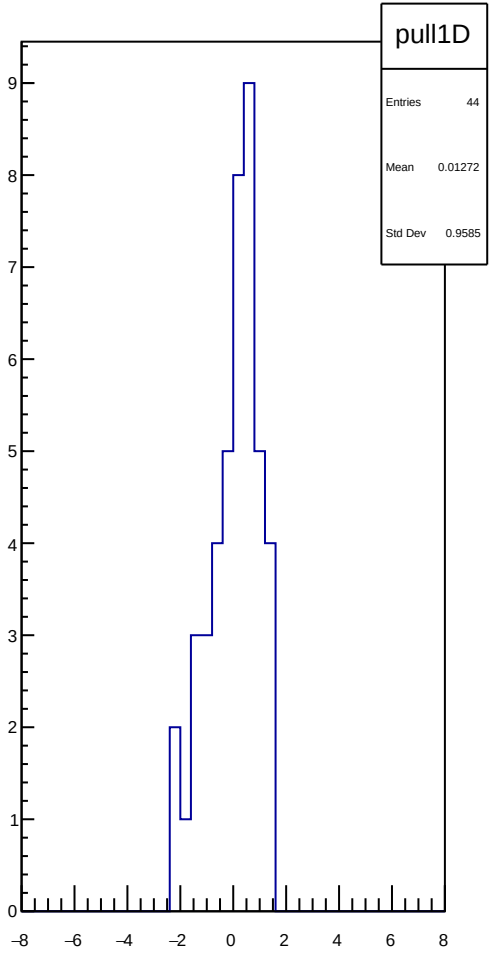

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 39.53 / 43
p0 −0.1959 ± 0.1385
pull
Entries 44
Mean −124.1
Std Dev 143.7

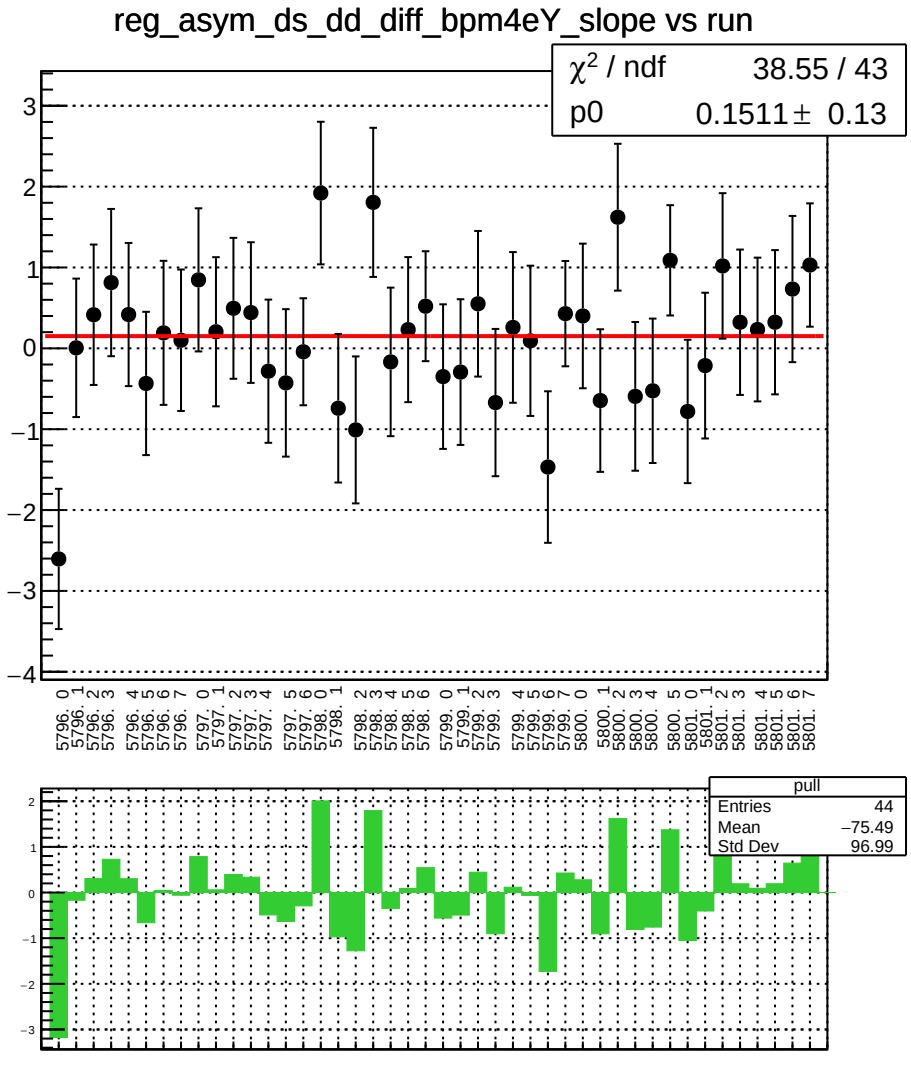

pull1D
Entries 44
Mean −0.01183
Std Dev 0.9477

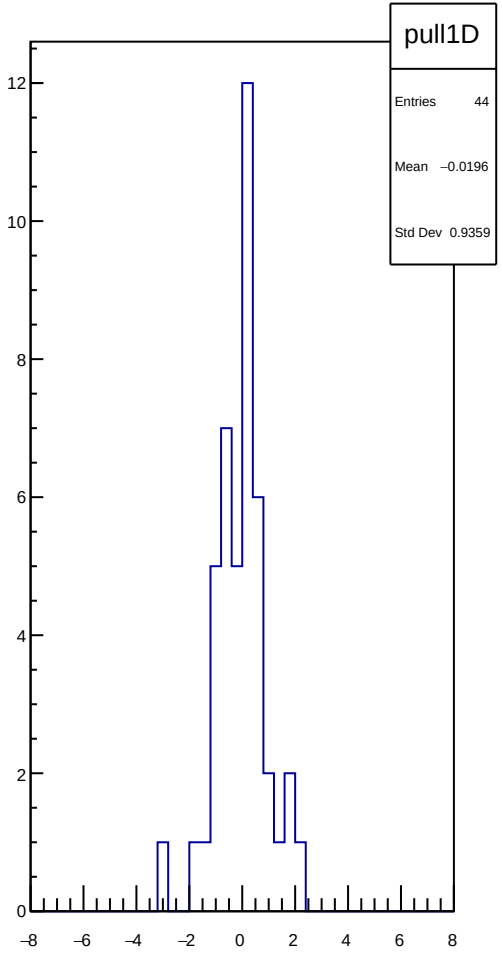

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.11 / 43
p0 −0.1329 ± 0.1192
pull
Entries 44
Mean −54.88
Std Dev 76.3

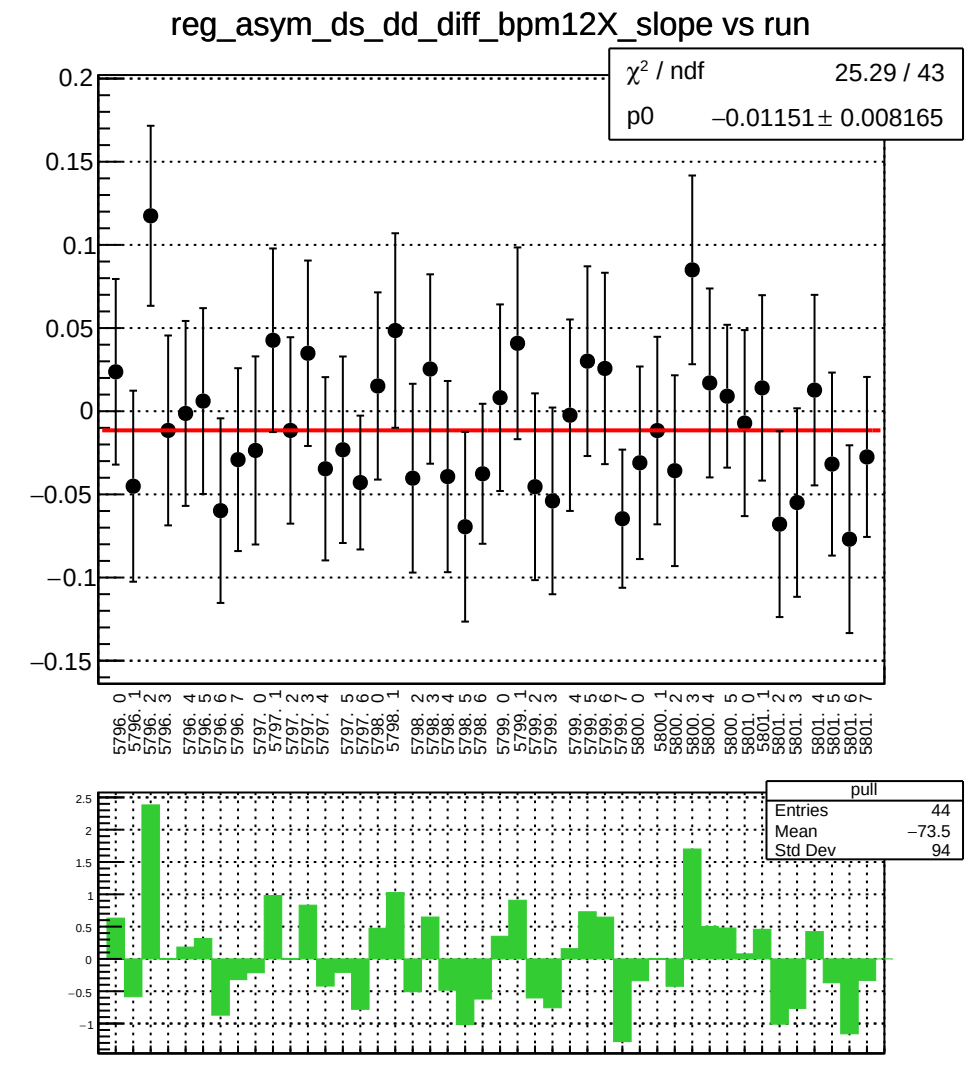

pull1D
Entries 44
Mean 0.02207
Std Dev 0.9545

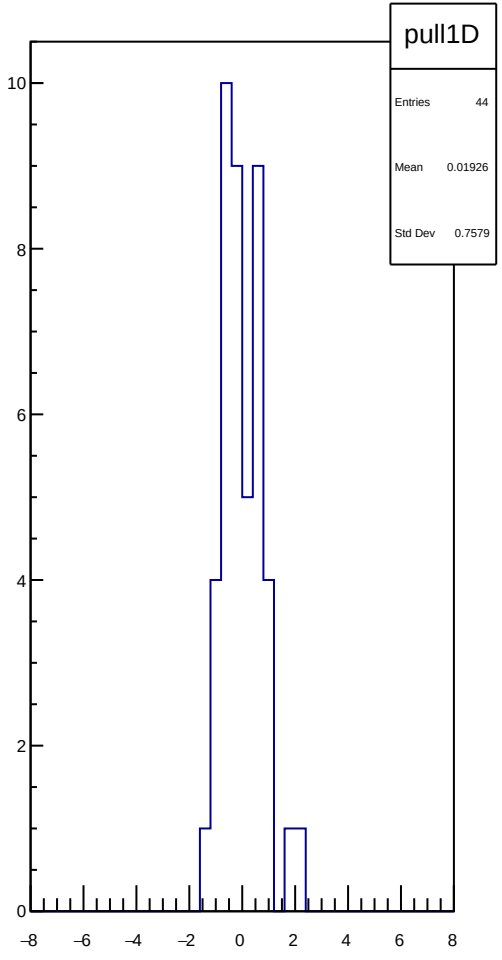

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.43 / 43
p0 0.2525 ± 0.1756
pull
Entries 44
Mean −132.1
Std Dev 152

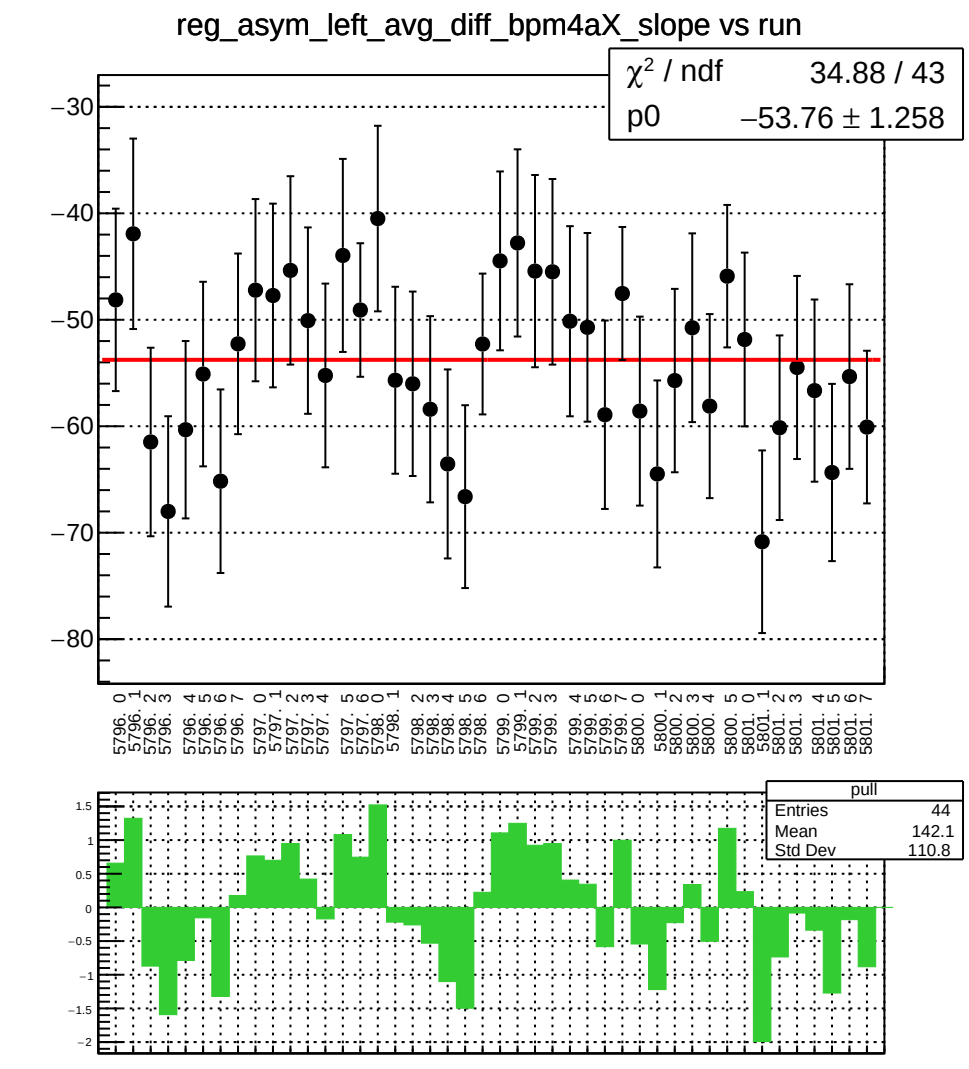

pull1D
Entries 44
Mean 0.01272
Std Dev 0.9585

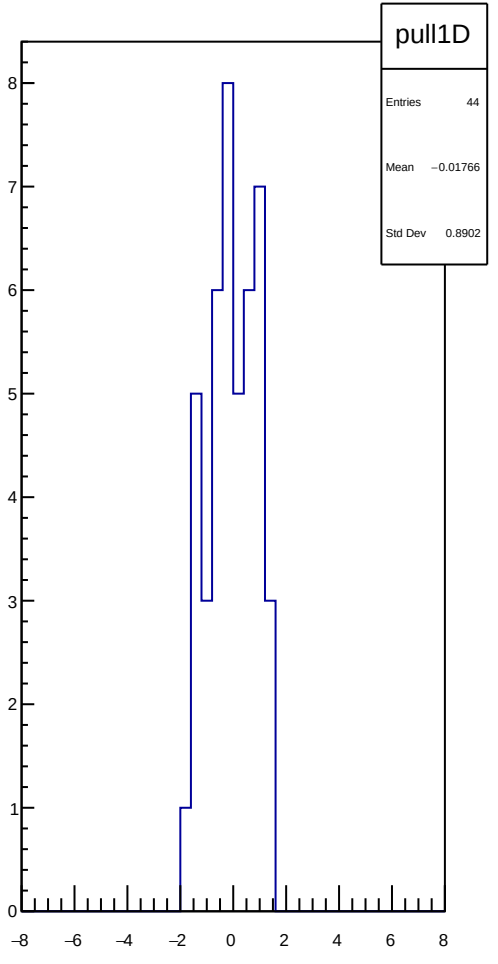

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.55 / 43
p0 0.1511 ± 0.13
pull
Entries 44
Mean −75.49
Std Dev 96.99

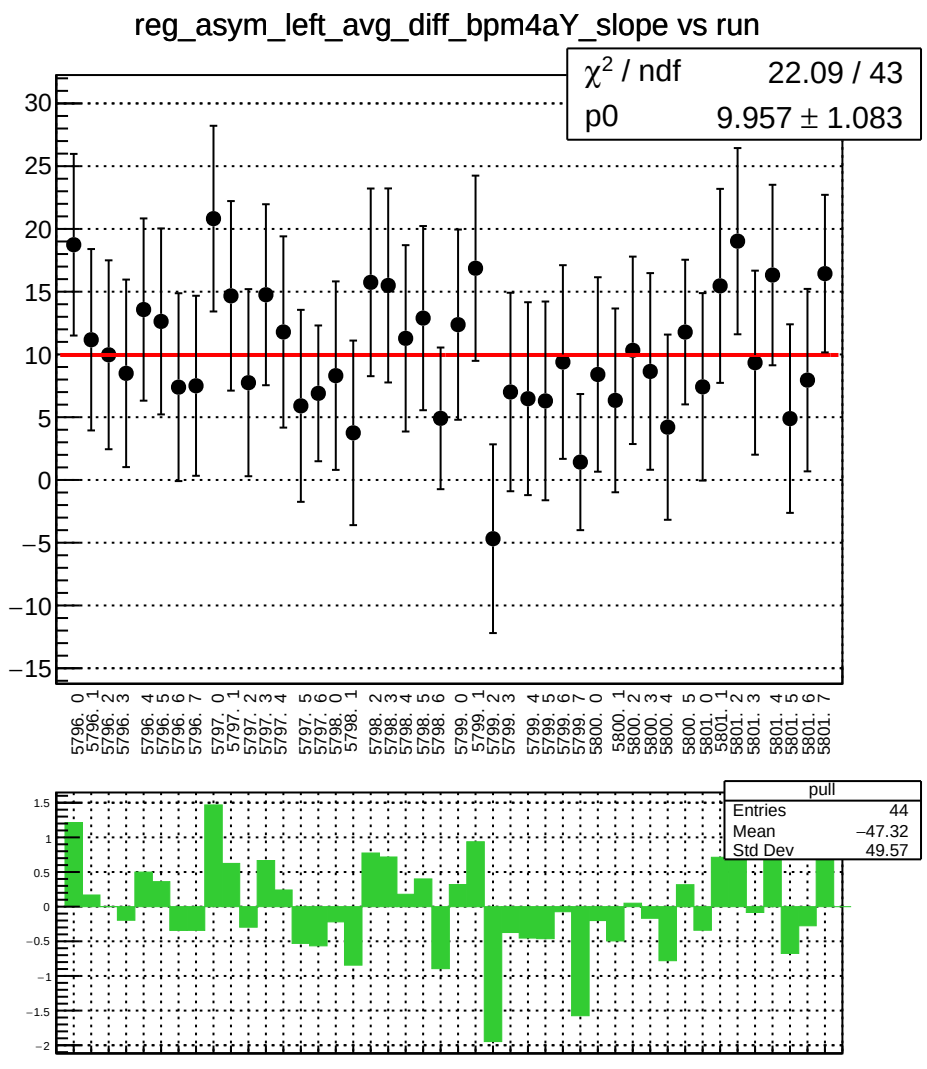

pull1D
Entries 44
Mean −0.0196
Std Dev 0.9359

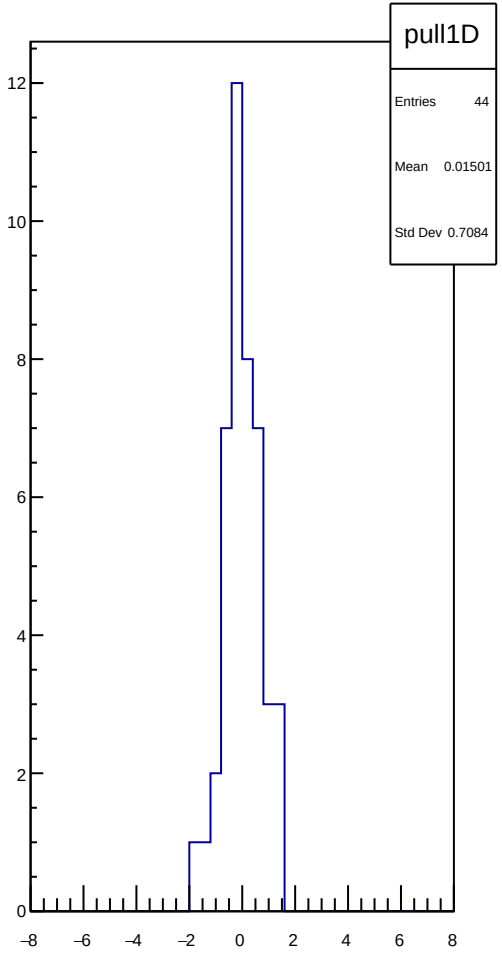

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 25.29 / 43
p0 −0.01151 ± 0.008165
pull
Entries 44
Mean −73.5
Std Dev 94

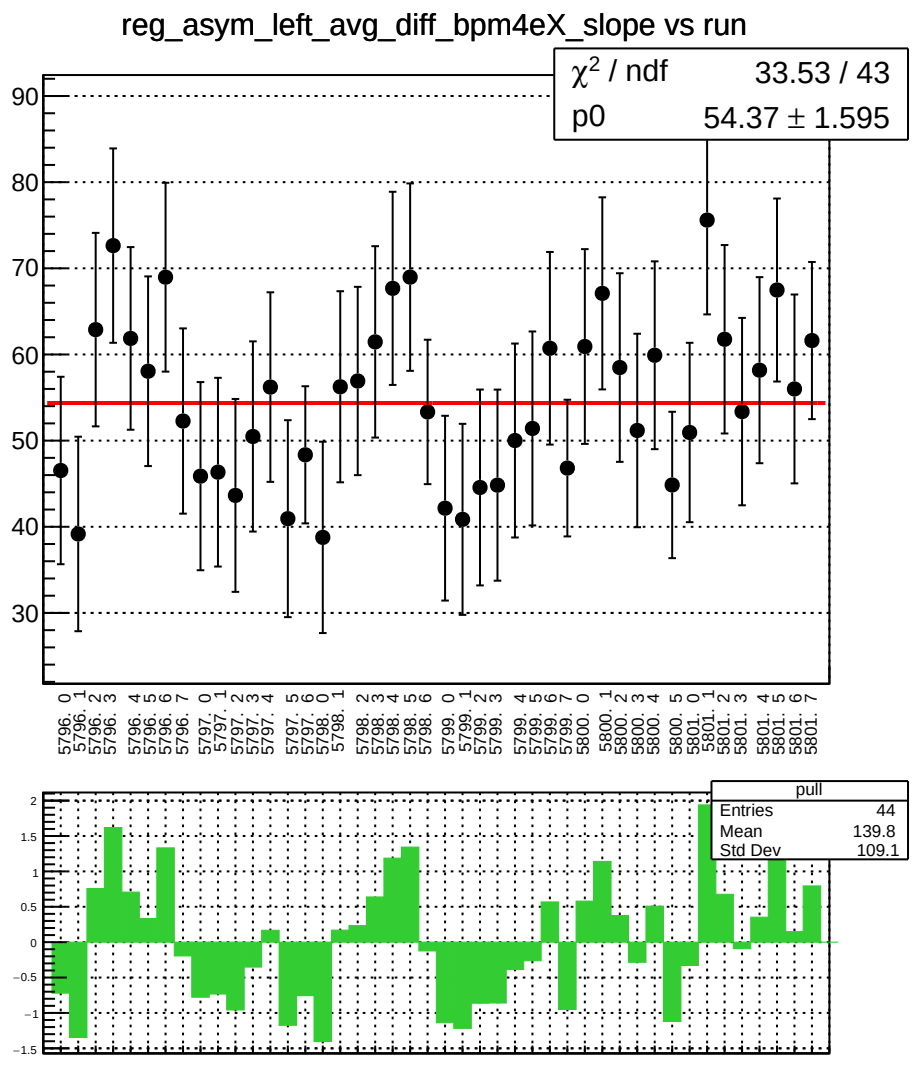

pull1D
Entries 44
Mean 0.01926
Std Dev 0.7579

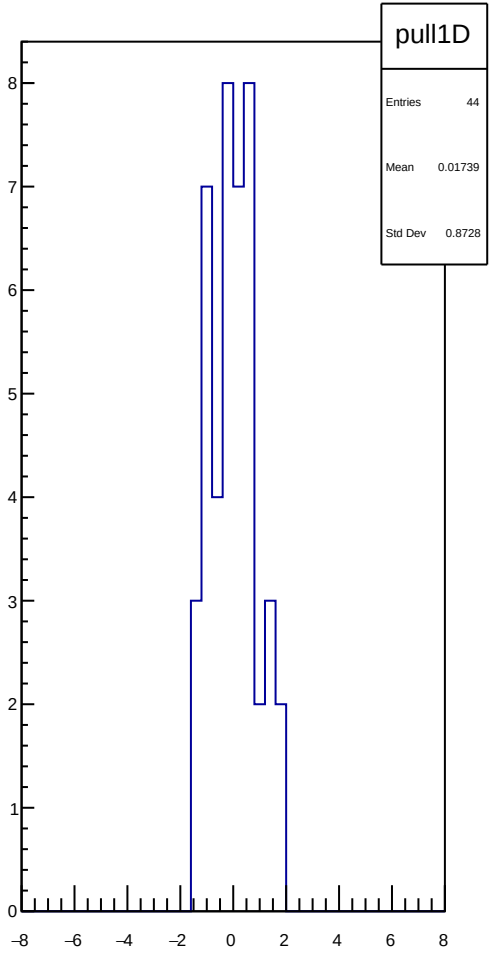

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 34.88 / 43
p0 −53.76 ± 1.258
pull
Entries 44
Mean 142.1
Std Dev 110.8

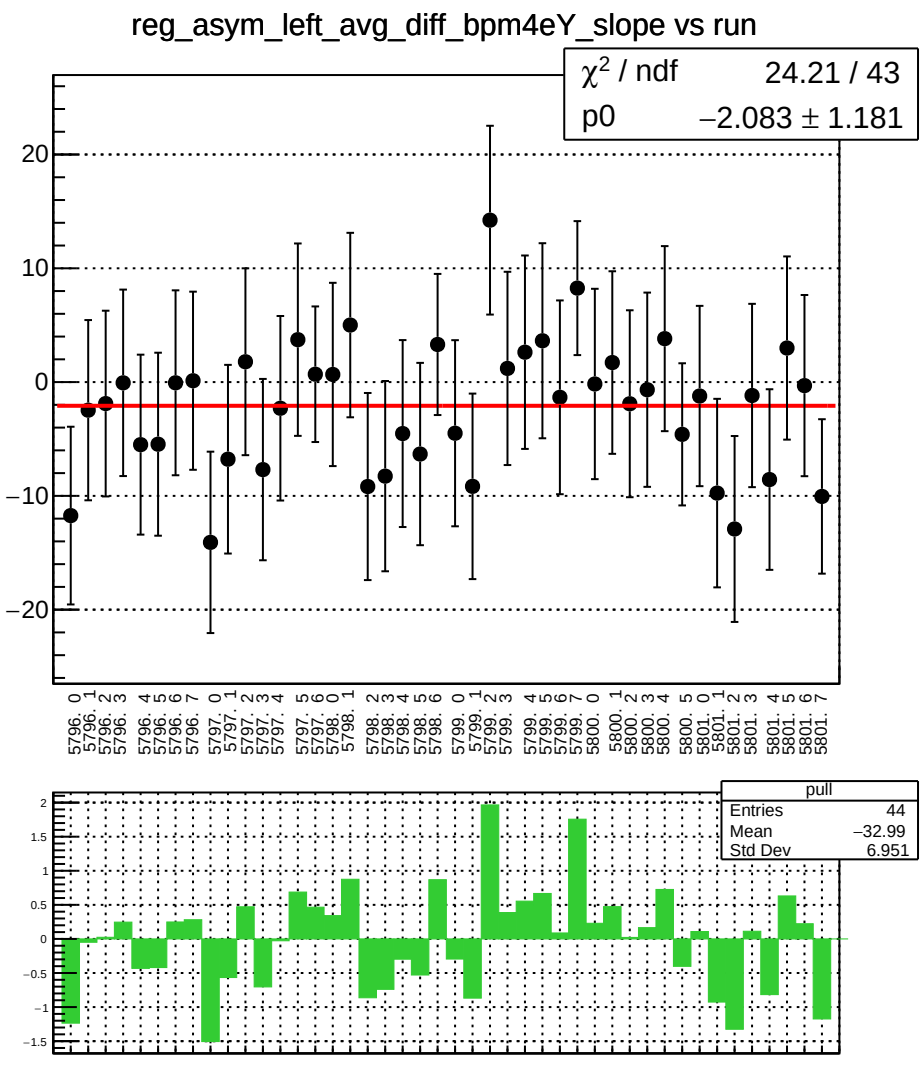

pull1D
Entries 44
Mean −0.01766
Std Dev 0.8902

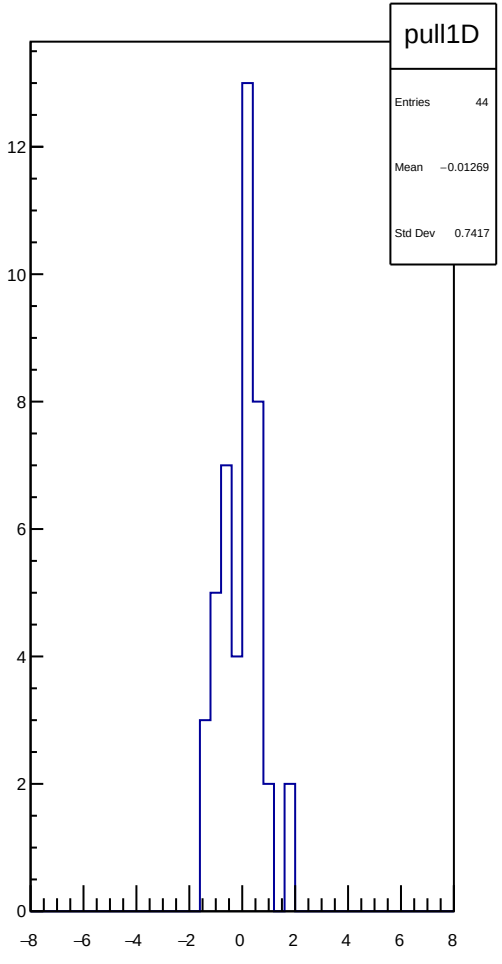

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.09 / 43
p0 9.957 ± 1.083
pull
Entries 44
Mean −47.32
Std Dev 49.57

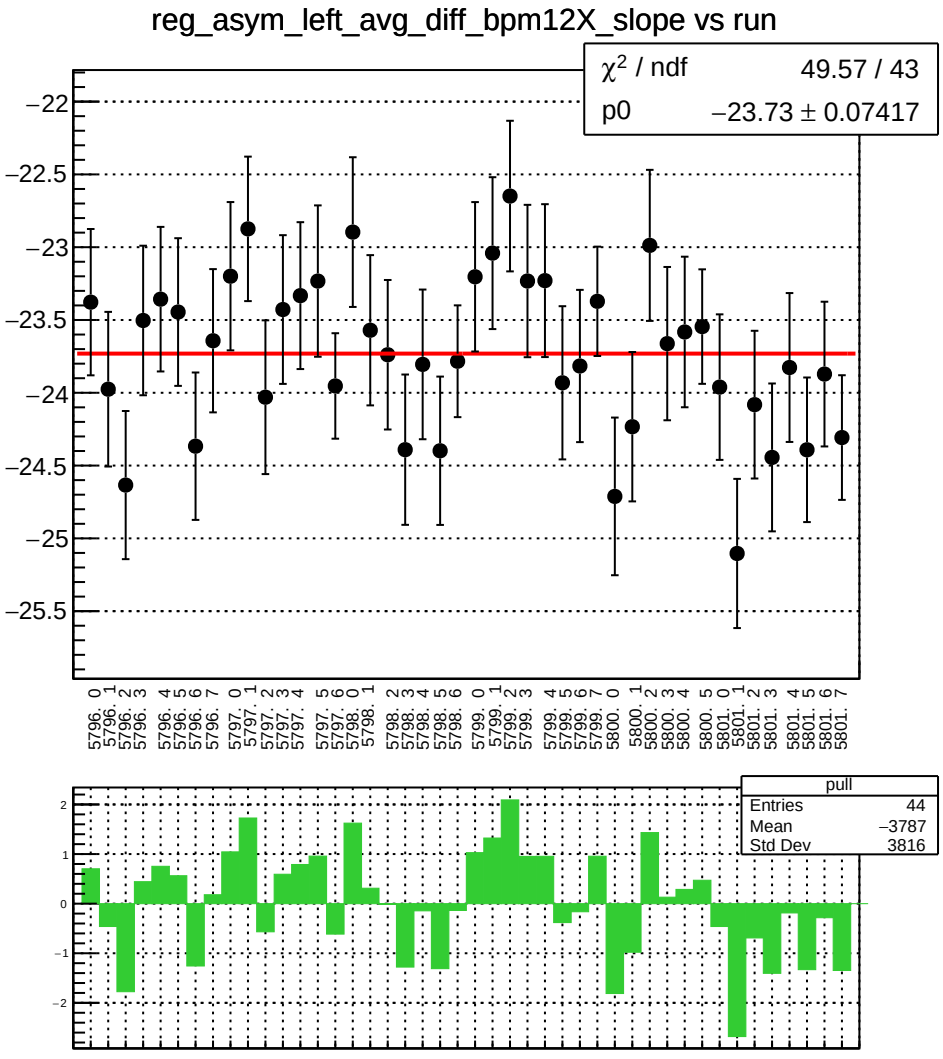

pull1D
Entries 44
Mean 0.01501
Std Dev 0.7084

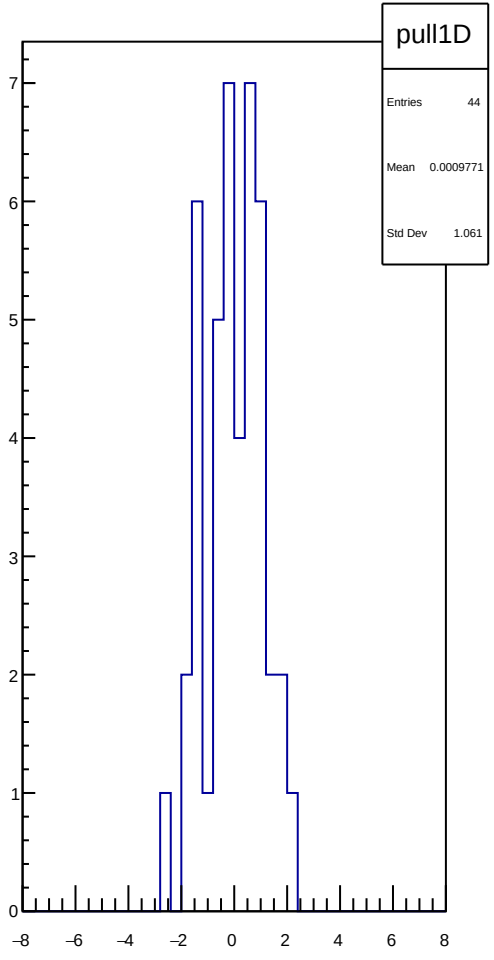

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.53 / 43
p0 54.37 ± 1.595
pull
Entries 44
Mean 139.8
Std Dev 109.1

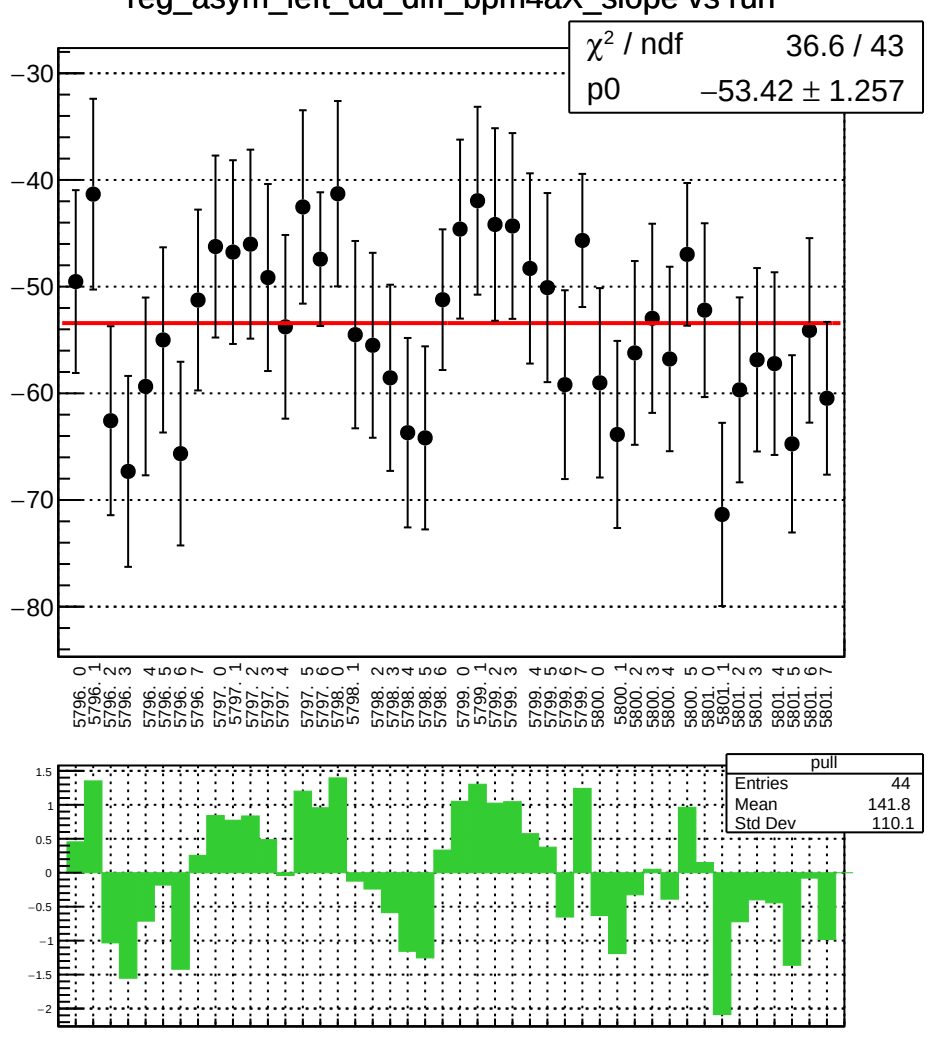

pull1D
Entries 44
Mean 0.01739
Std Dev 0.8728

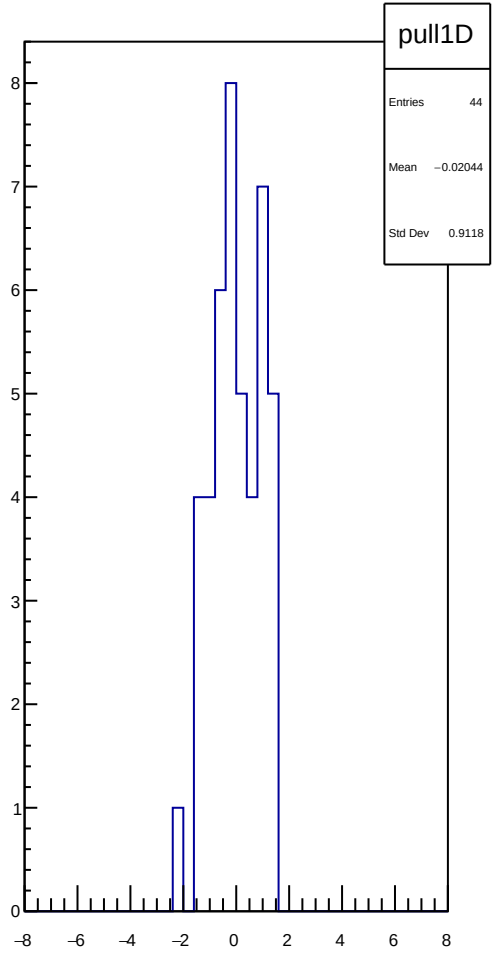

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.21 / 43
p0 −2.083 ± 1.181
pull
Entries 44
Mean −32.99
Std Dev 6.951

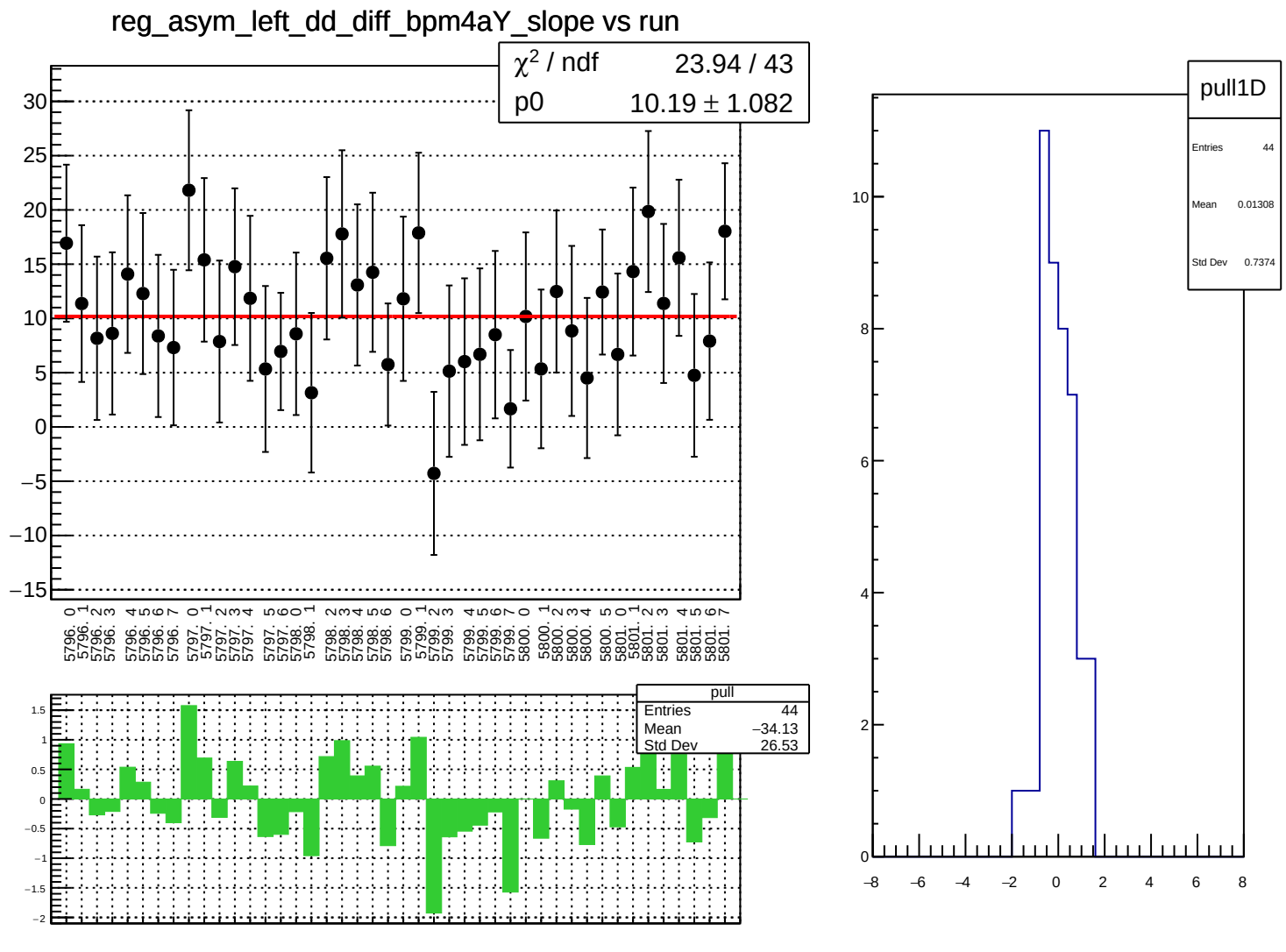

pull1D
Entries 44
Mean −0.01269
Std Dev 0.7417

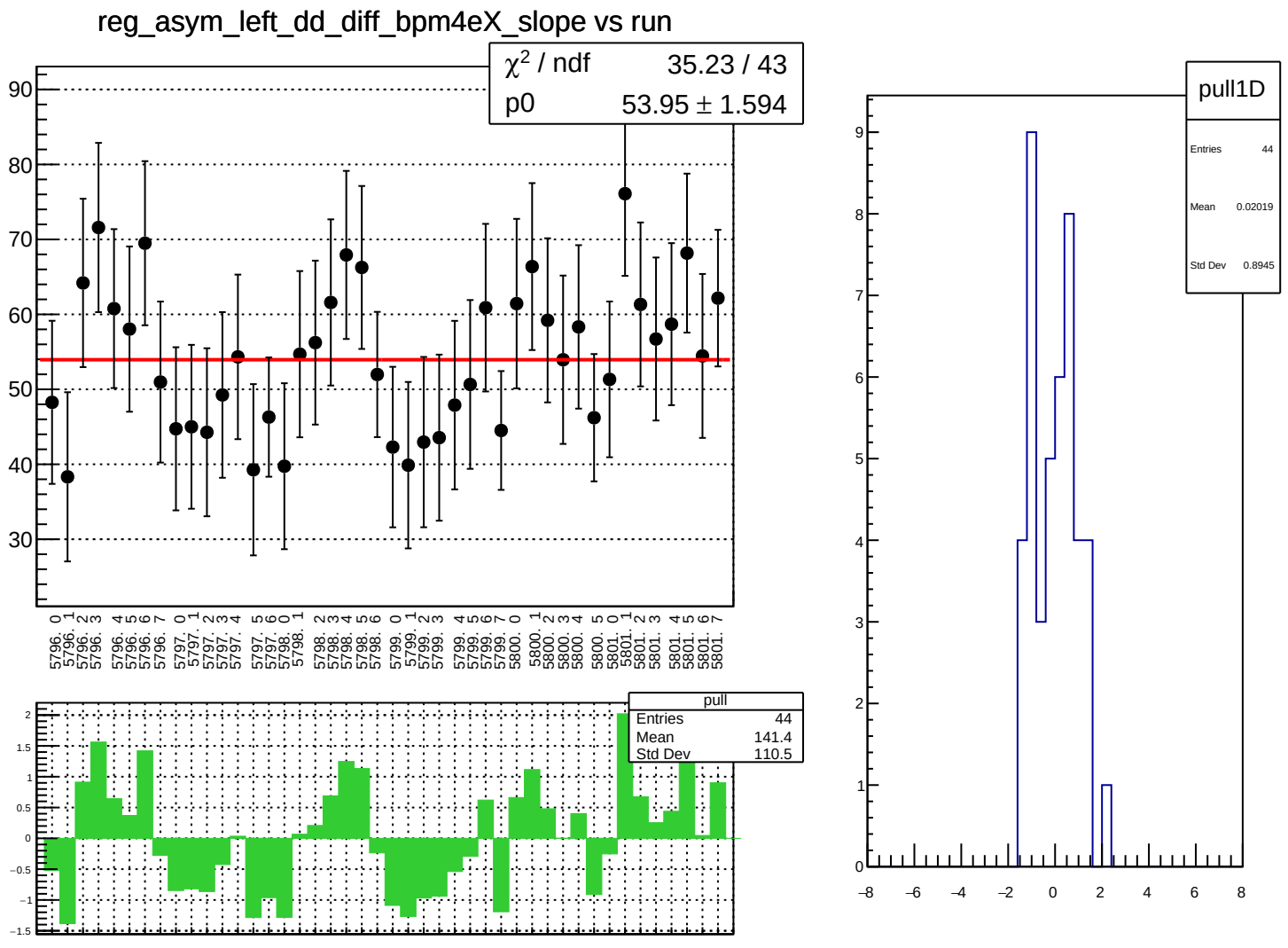

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 49.57 / 43
p0 −23.73 ± 0.07417
−22
−22.5
−23
−23.5
−24
−24.5
−25
−25.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −3787
Std Dev 3816
2
1
0
−1
−2

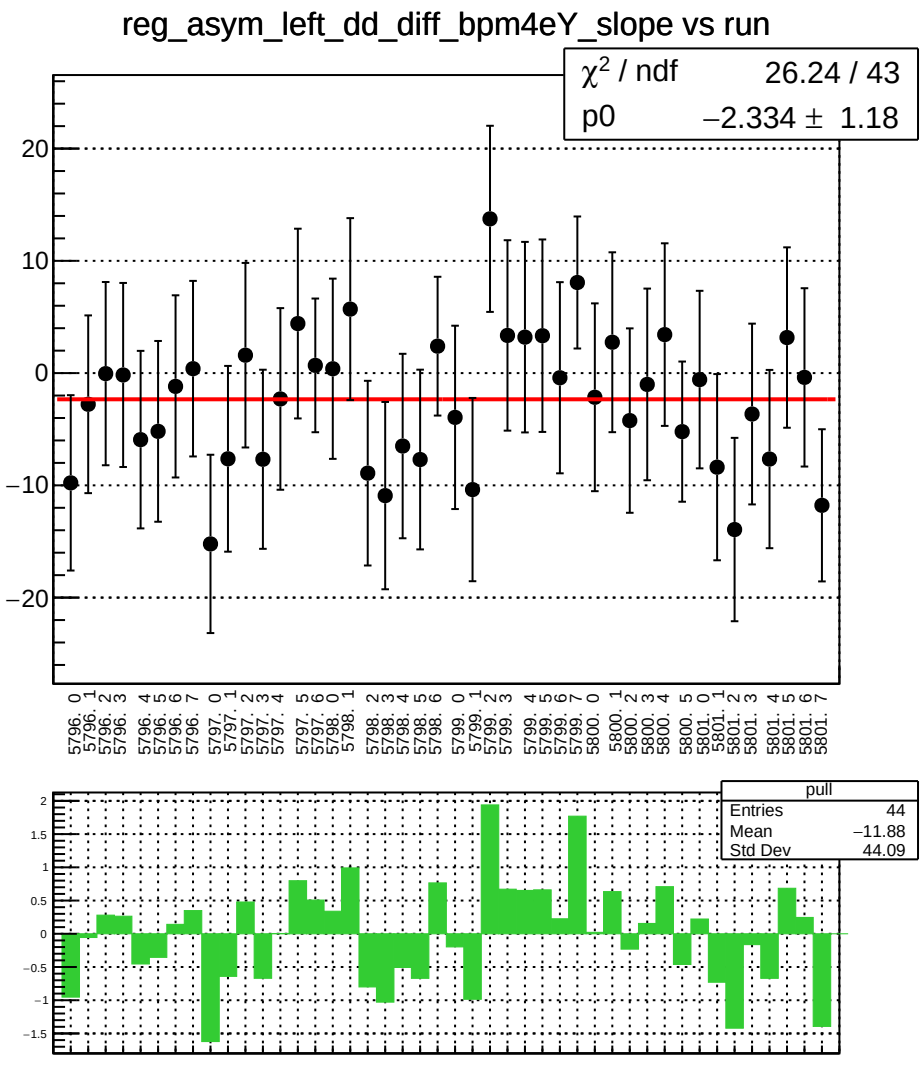

pull1D
Entries 44
Mean 0.0009771
Std Dev 1.061
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

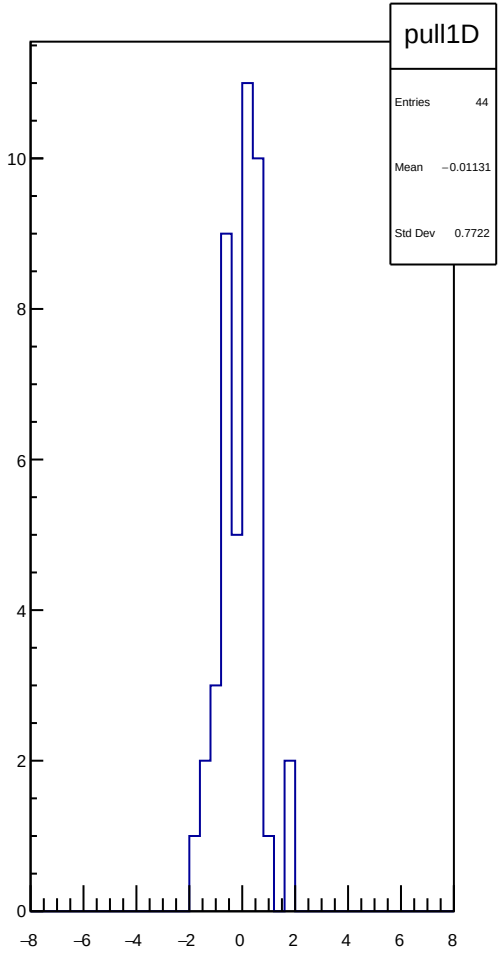

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.6 / 43
p0 −53.42 ± 1.257
pull
Entries 44
Mean 141.8
Std Dev 110.1

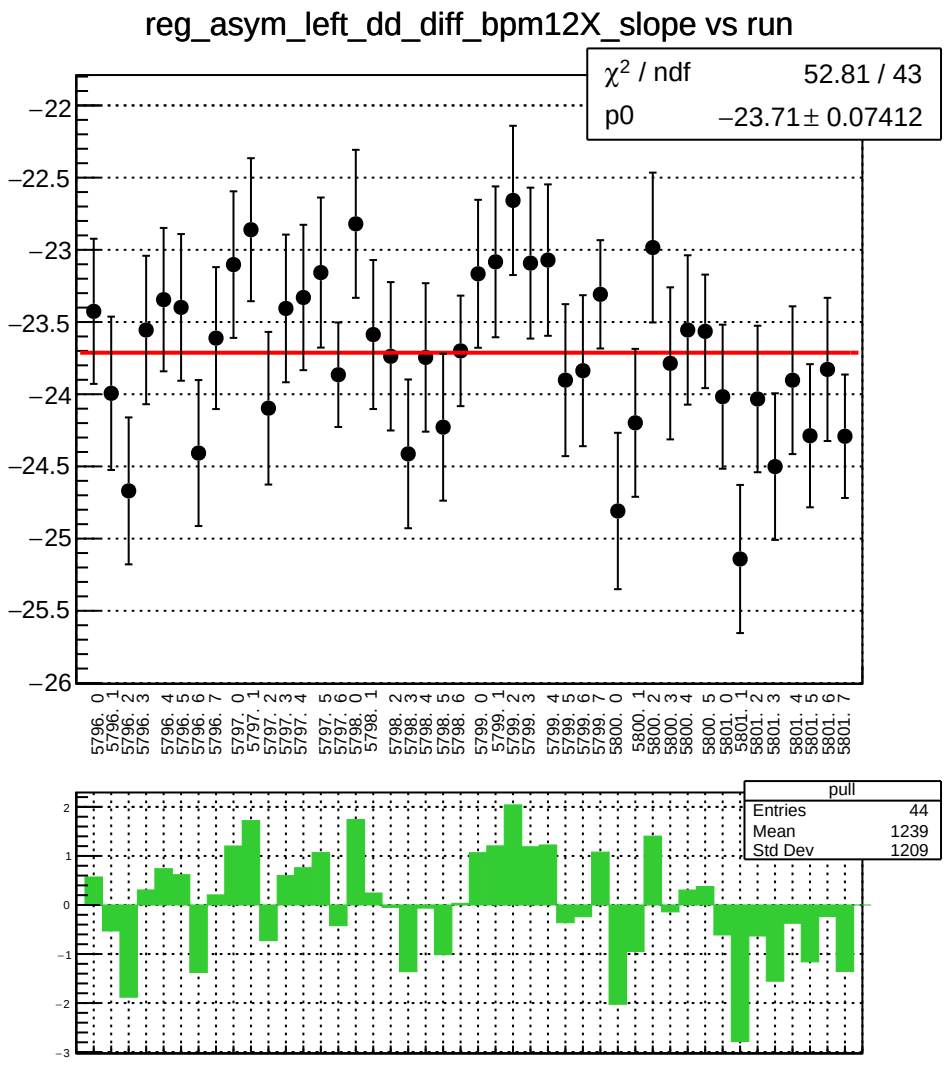

pull1D
Entries 44
Mean −0.02044
Std Dev 0.9118

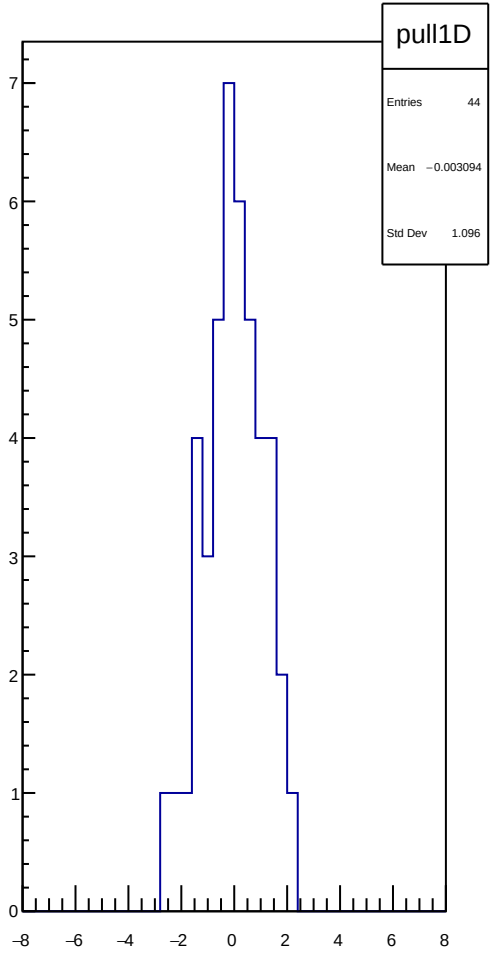

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.94 / 43
p0 10.19 ± 1.082
pull
Entries 44
Mean −34.13
Std Dev 26.53
pull1D
Entries 44
Mean 0.01308
Std Dev 0.7374

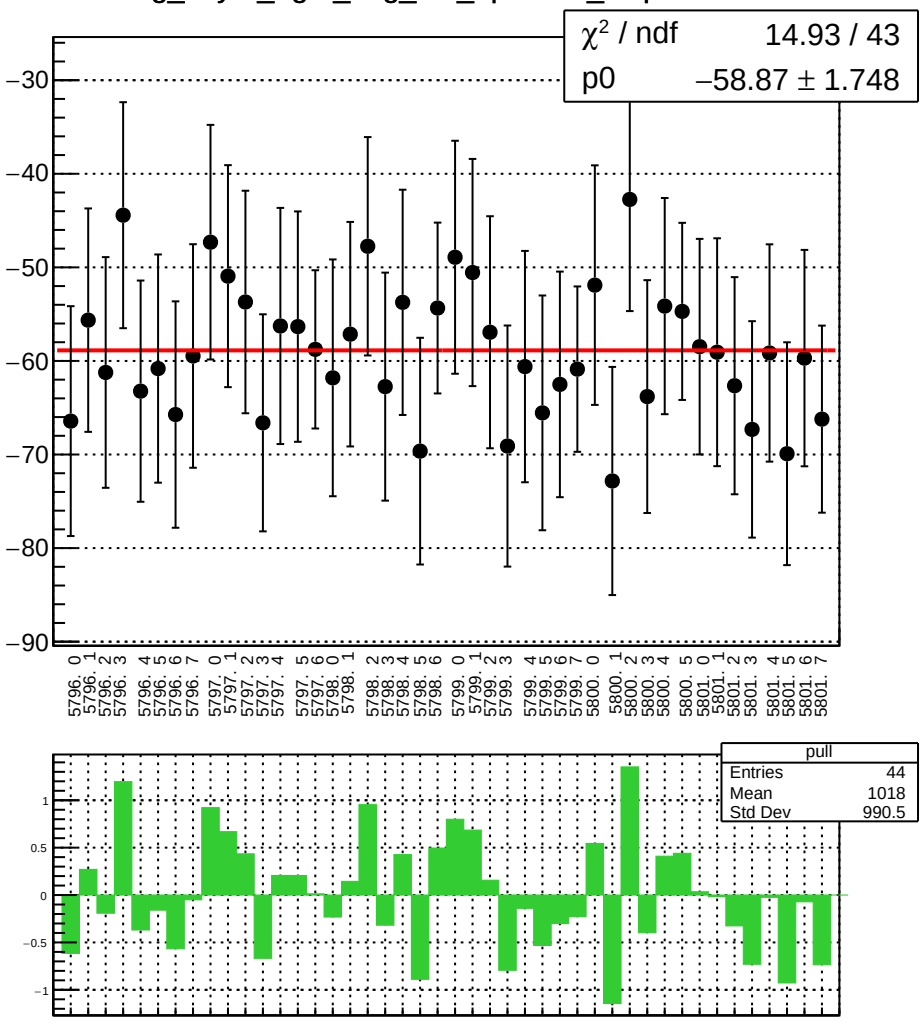

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.23 / 43
p0 53.95 ± 1.594
pull
Entries 44
Mean 141.4
Std Dev 110.5
pull1D
Entries 44
Mean 0.02019
Std Dev 0.8945

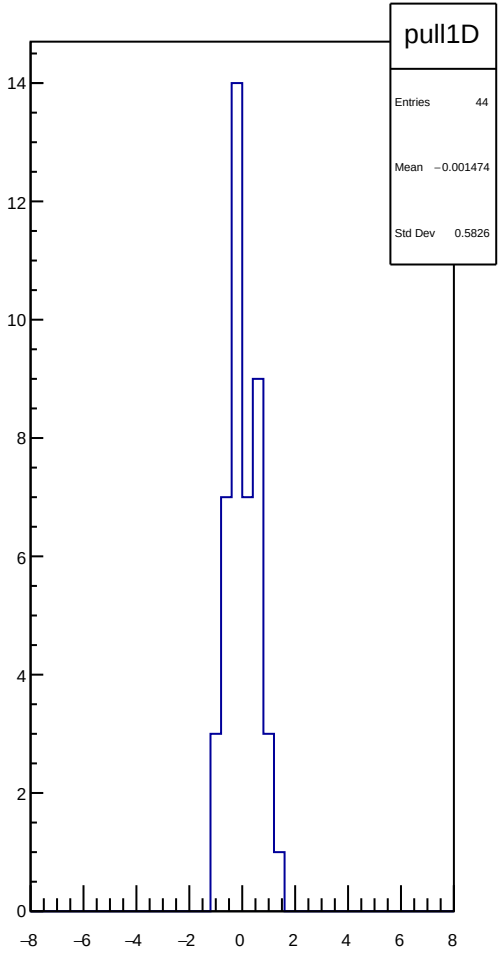

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.24 / 43
p0 −2.334 ± 1.18
20
10
0
−10
−20
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −11.88
Std Dev 44.09
2
1.5
1
0.5
0
−0.5
−1
−1.5

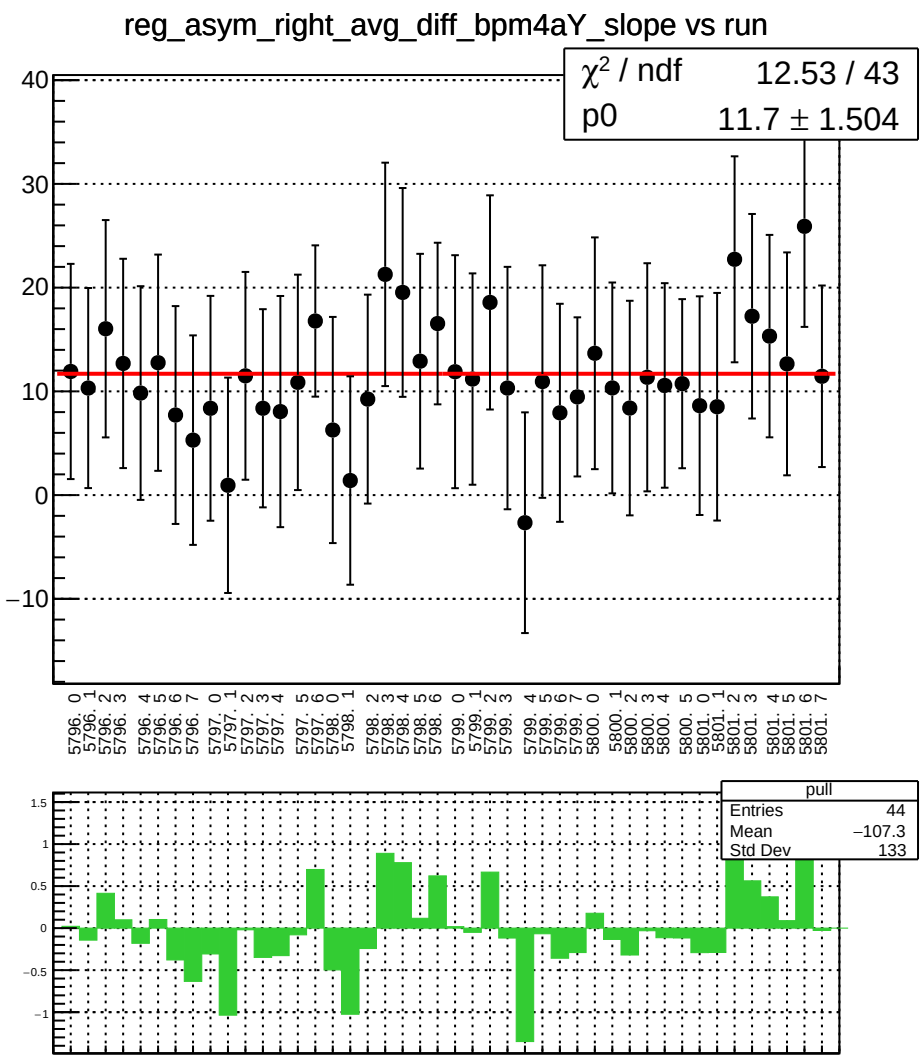

pull1D
Entries 44
Mean −0.01131
Std Dev 0.7722
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

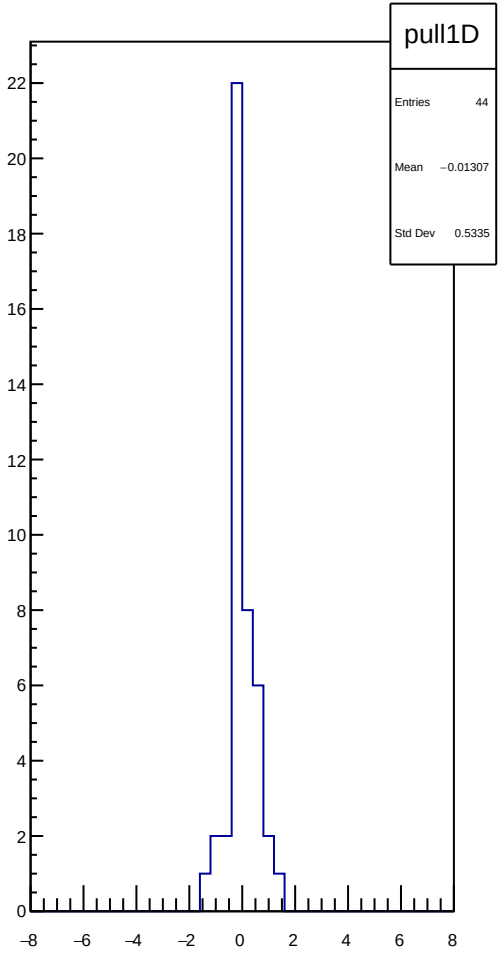

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 52.81 / 43
p0 −23.71 ± 0.07412
pull
Entries 44
Mean 1239
Std Dev 1209

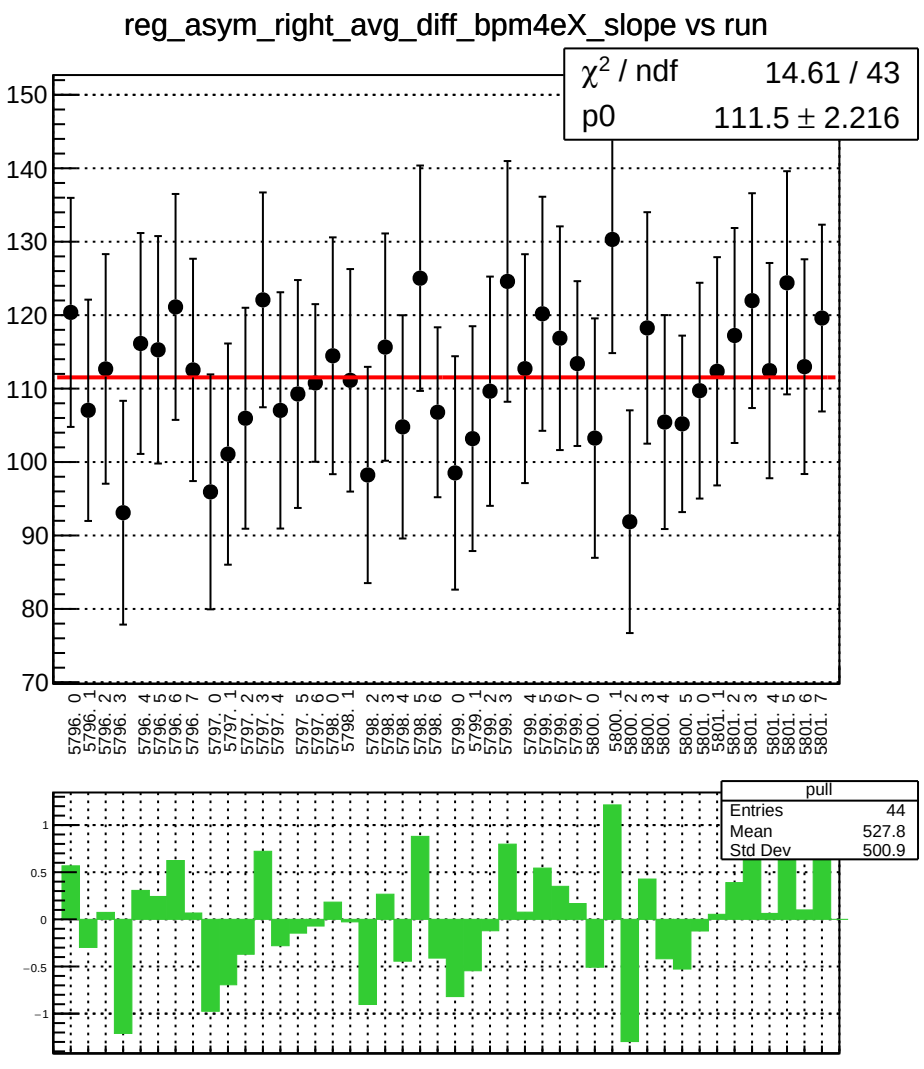

pull1D
Entries 44
Mean −0.003094
Std Dev 1.096

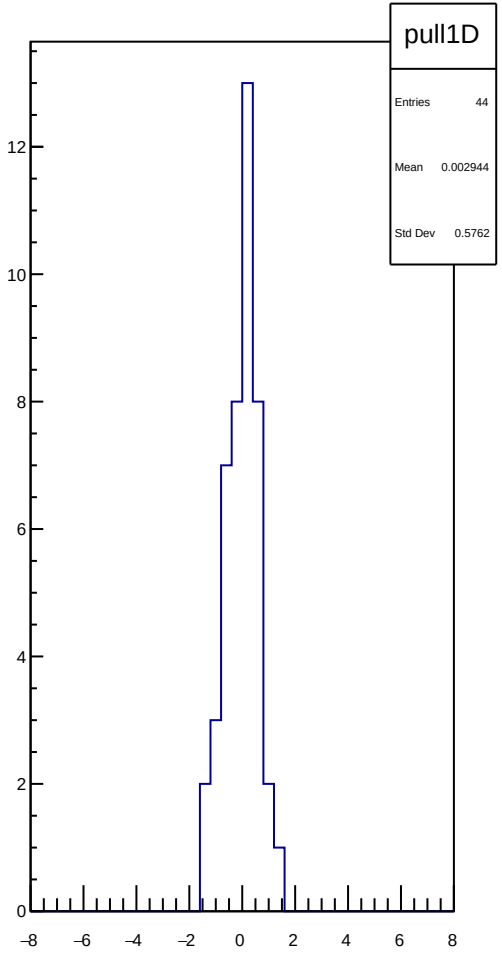

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.93 / 43
p0 −58.87 ± 1.748
pull
Entries 44
Mean 1018
Std Dev 990.5

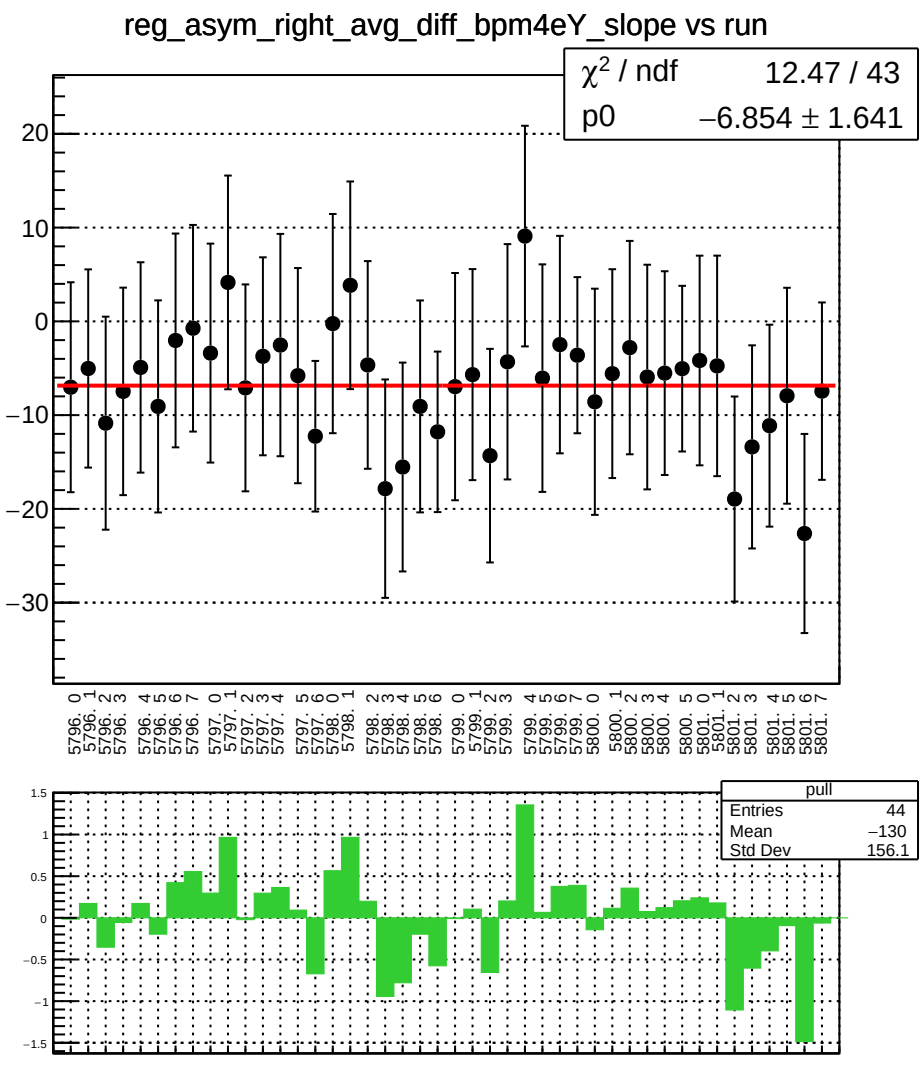

pull1D
Entries 44
Mean −0.001474
Std Dev 0.5826

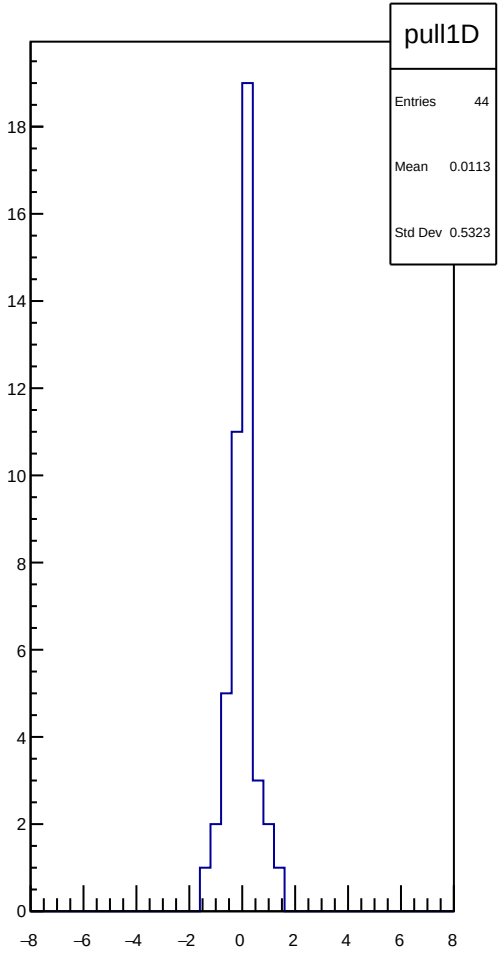

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.53 / 43
p0 11.7 ± 1.504
pull
Entries 44
Mean −107.3
Std Dev 133

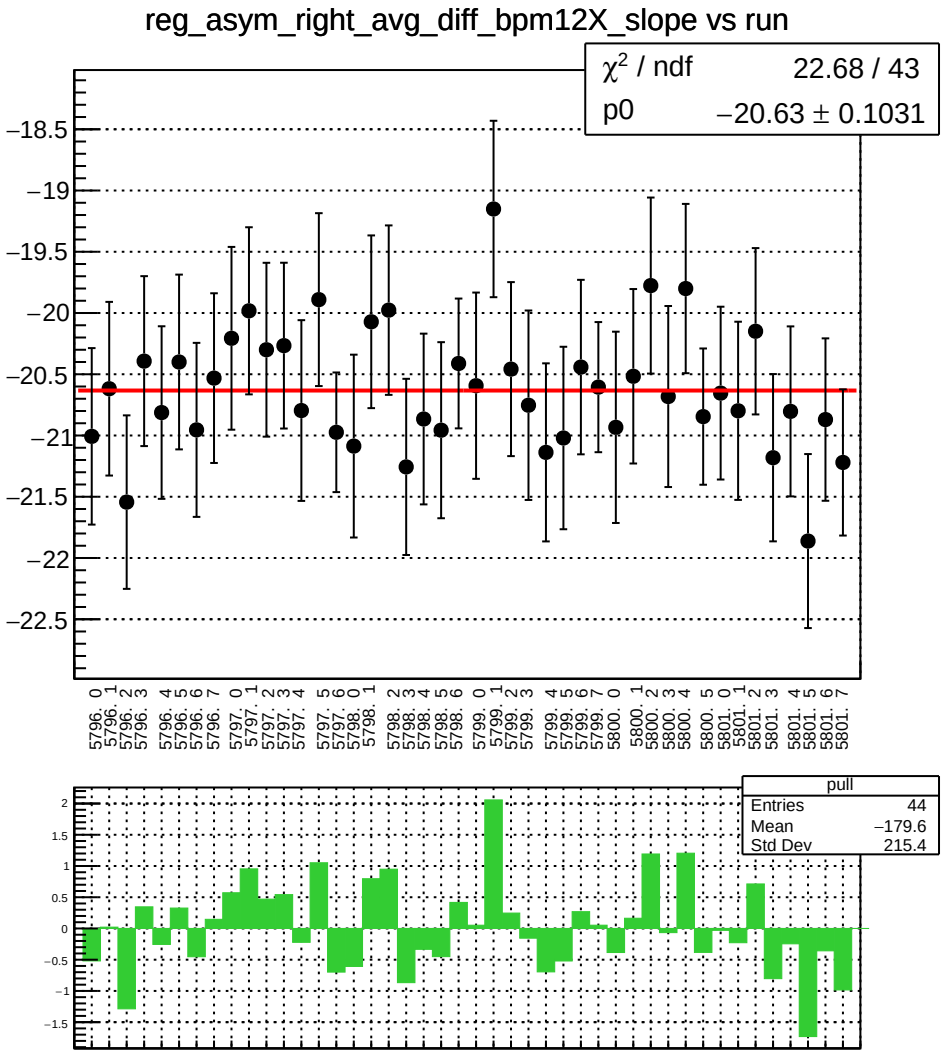

pull1D
Entries 44
Mean −0.01307
Std Dev 0.5335

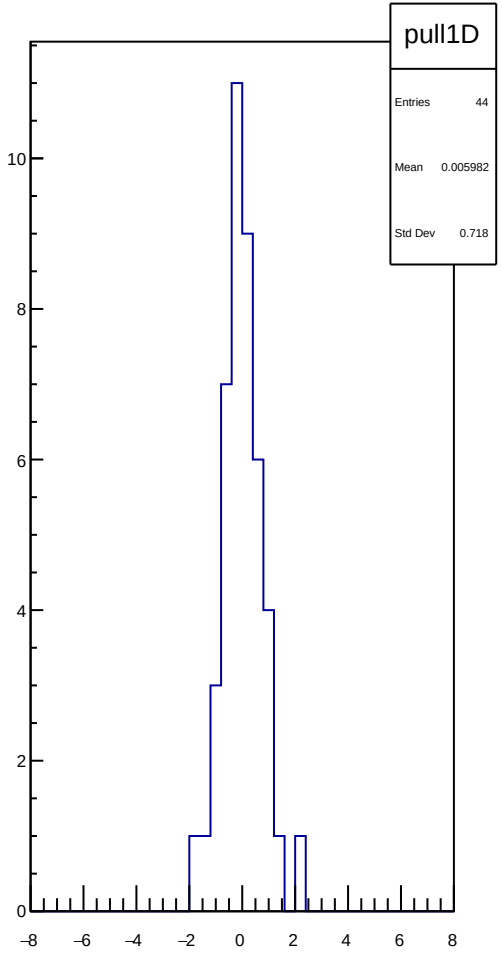

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.61 / 43
p0 111.5 ± 2.216
150
140
130
120
110
100
90
80
70
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 527.8
Std Dev 500.9
1
0.5
0
−0.5
−1

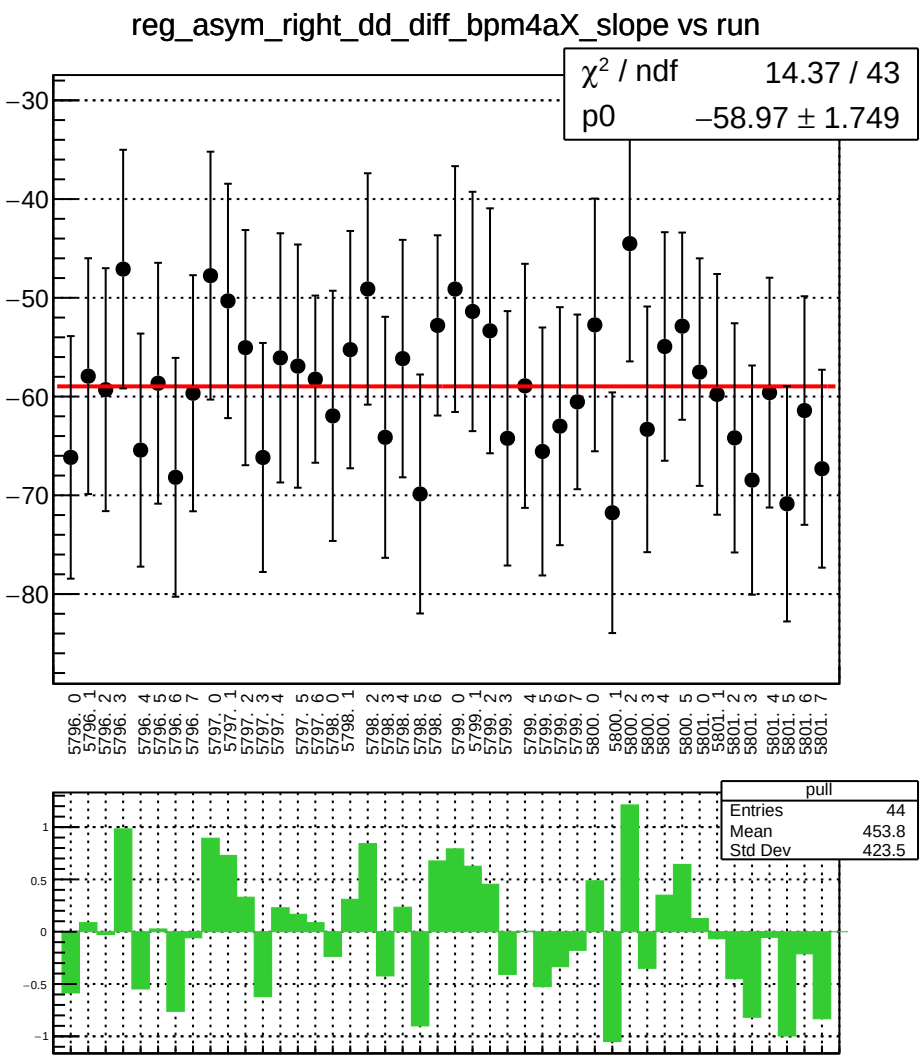

pull1D
Entries 44
Mean 0.002944
Std Dev 0.5762
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

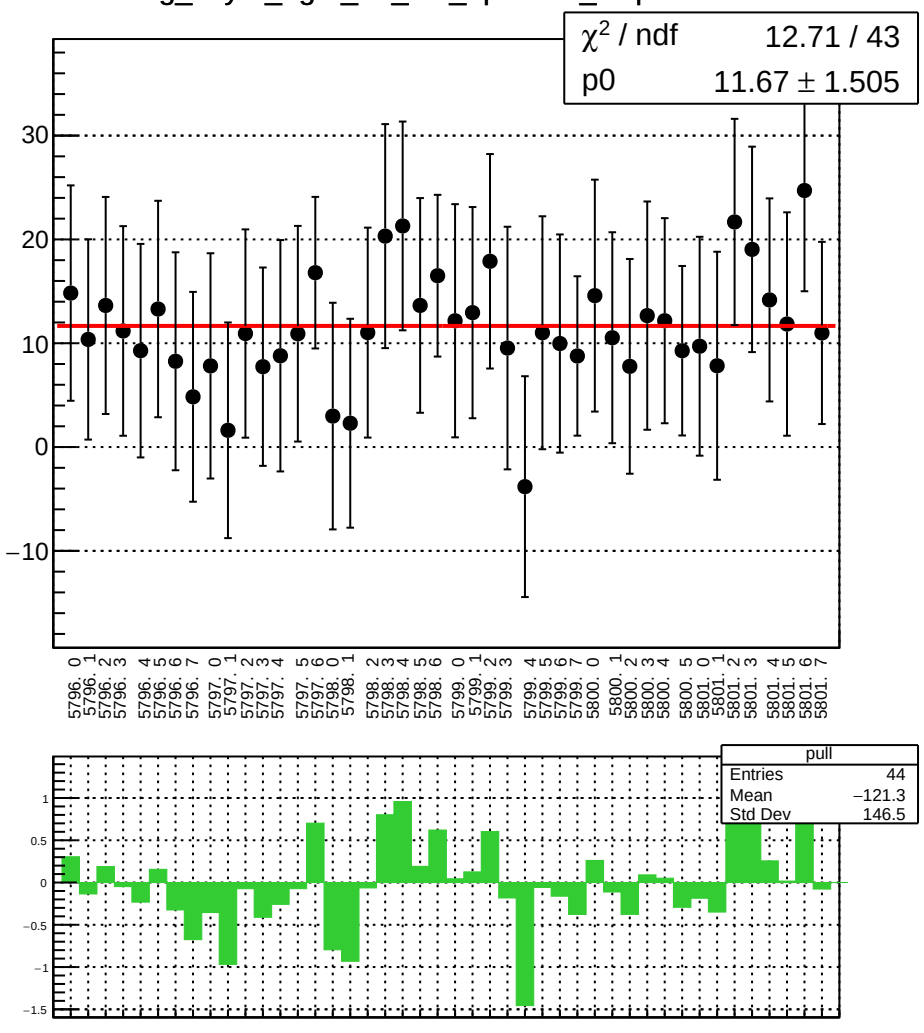

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.47 / 43
p0 −6.854 ± 1.641
pull
Entries 44
Mean −130
Std Dev 156.1

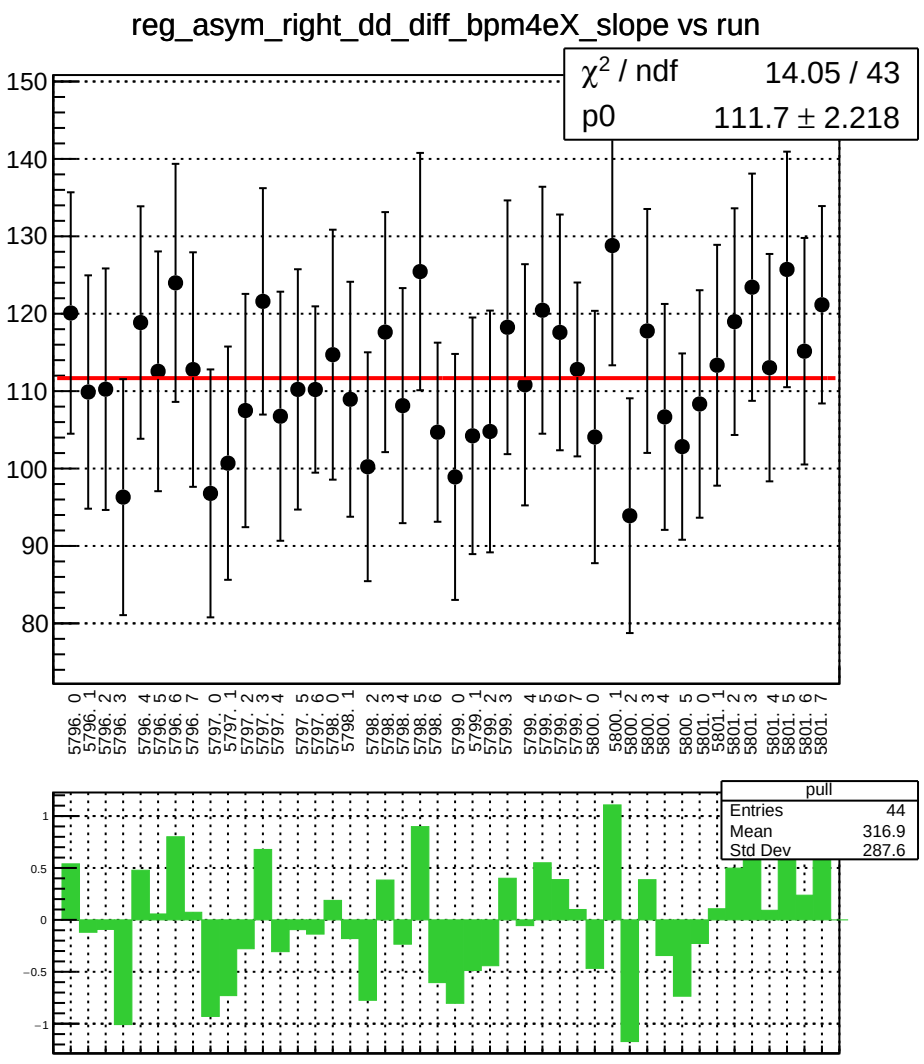

pull1D
Entries 44
Mean 0.0113
Std Dev 0.5323

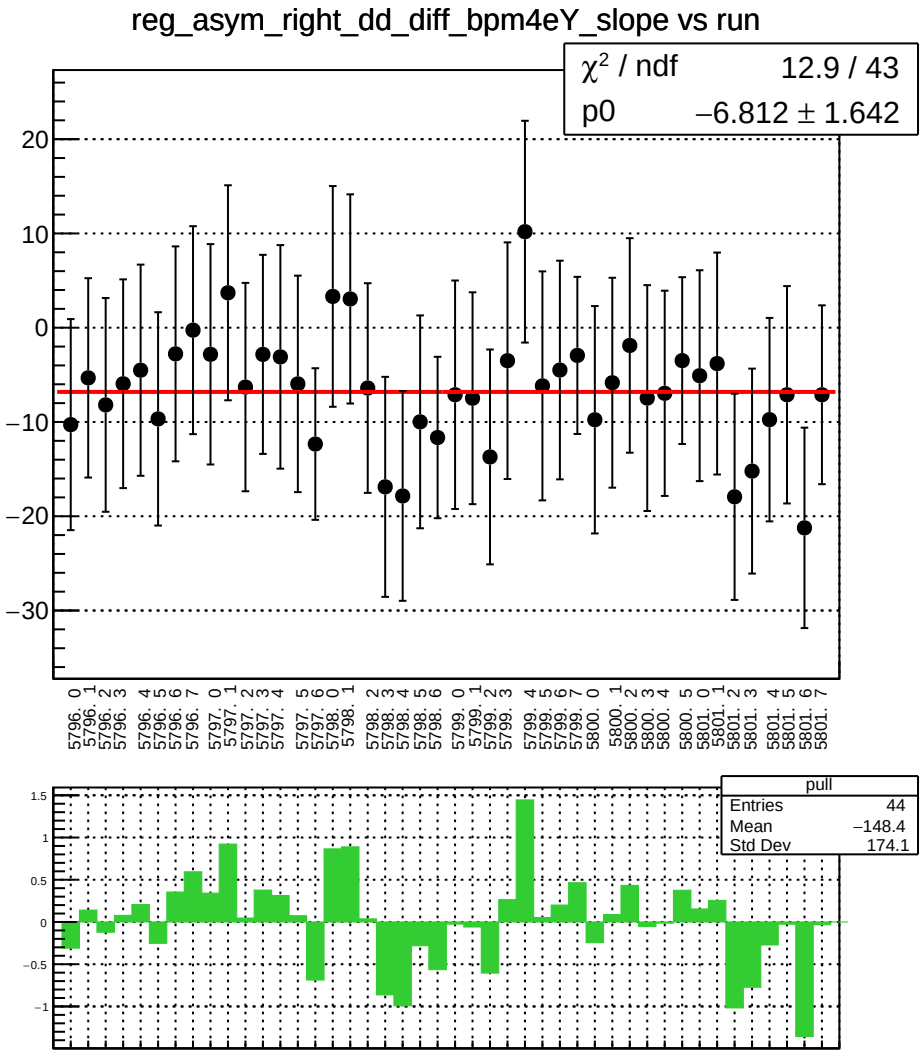

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 22.68 / 43
p0 −20.63 ± 0.1031
pull
Entries 44
Mean −179.6
Std Dev 215.4

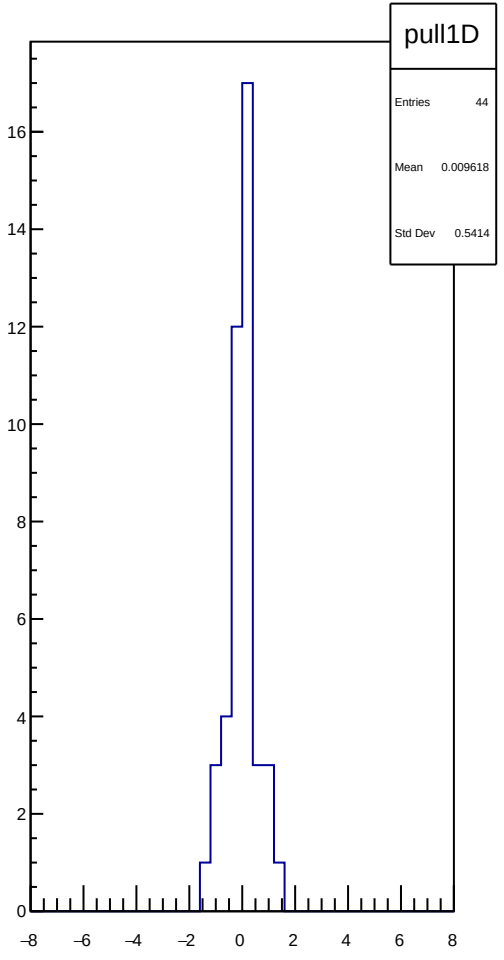

pull1D
Entries 44
Mean 0.005982
Std Dev 0.718

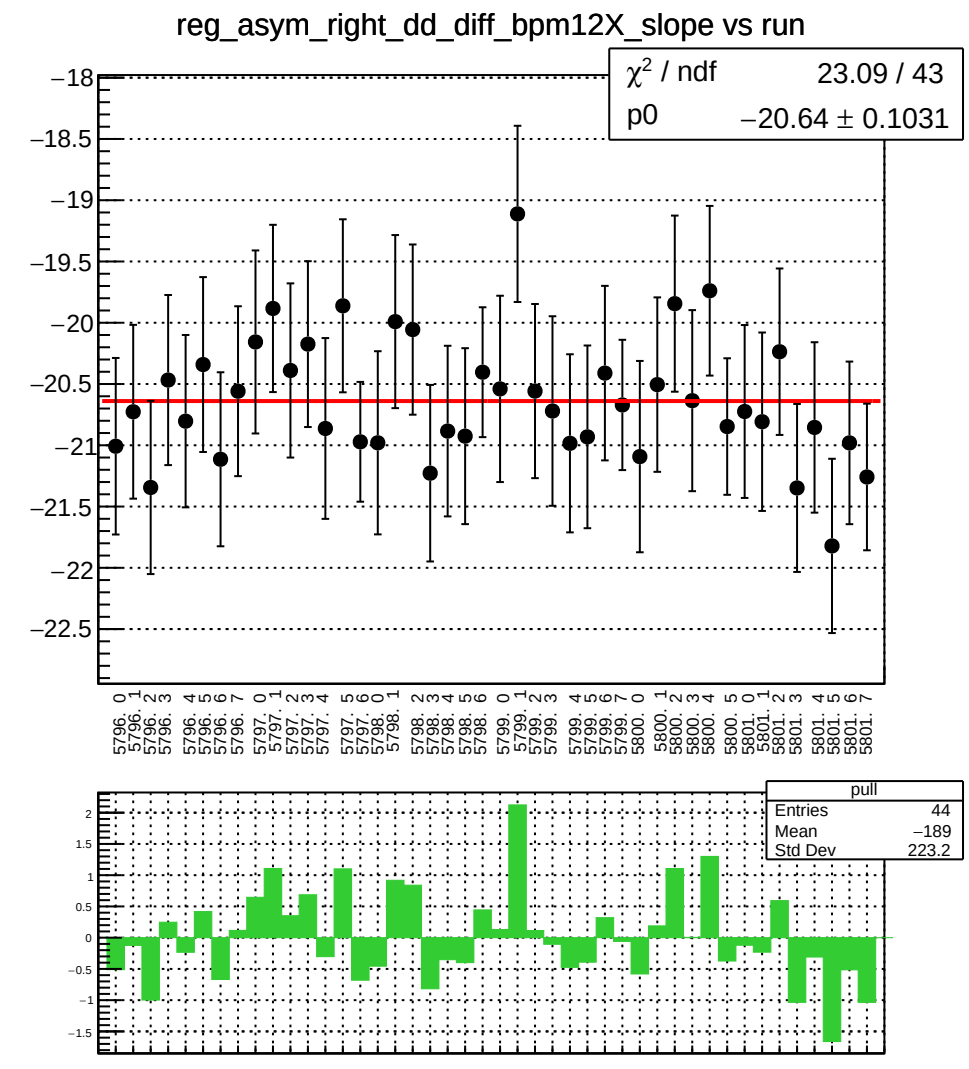

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.37 / 43
p0 −58.97 ± 1.749
−30
−40
−50
−60
−70
−80
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 453.8
Std Dev 423.5
1
0.5
0
−0.5
−1
pull1D
Entries 44
Mean −0.003307
Std Dev 0.5716
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

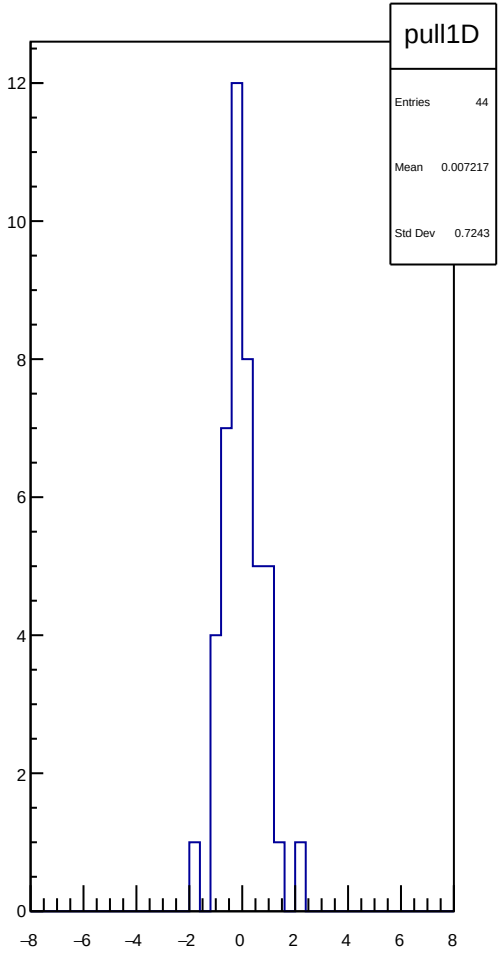

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.71 / 43
p0 11.67 ± 1.505
30
20
10
0
−10
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −121.3
Std Dev 146.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.01144
Std Dev 0.5373
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

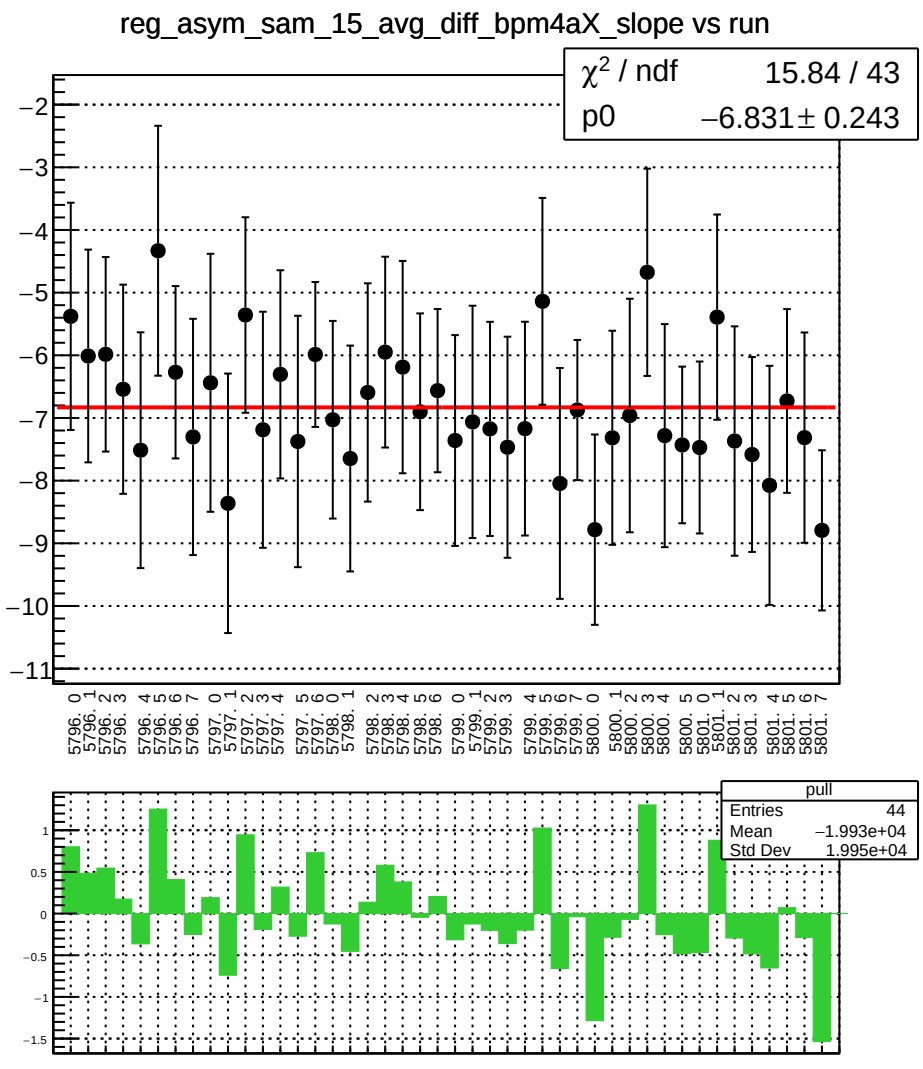

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.05 / 43
p0 111.7 ± 2.218
150
140
130
120
110
100
90
80
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 316.9
Std Dev 287.6
1
0.5
0
−0.5
−1
pull1D
Entries 44
Mean 0.004876
Std Dev 0.5651
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

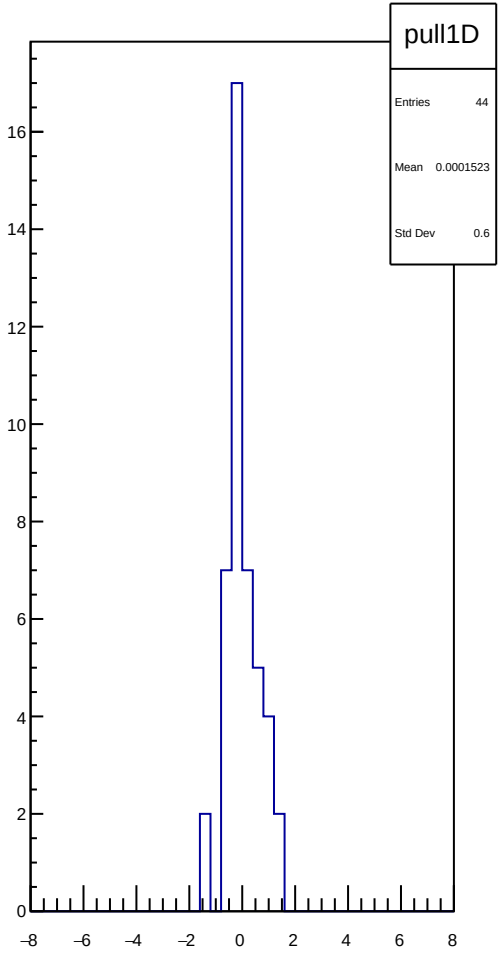

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.9 / 43
p0 −6.812 ± 1.642
pull
Entries 44
Mean −148.4
Std Dev 174.1

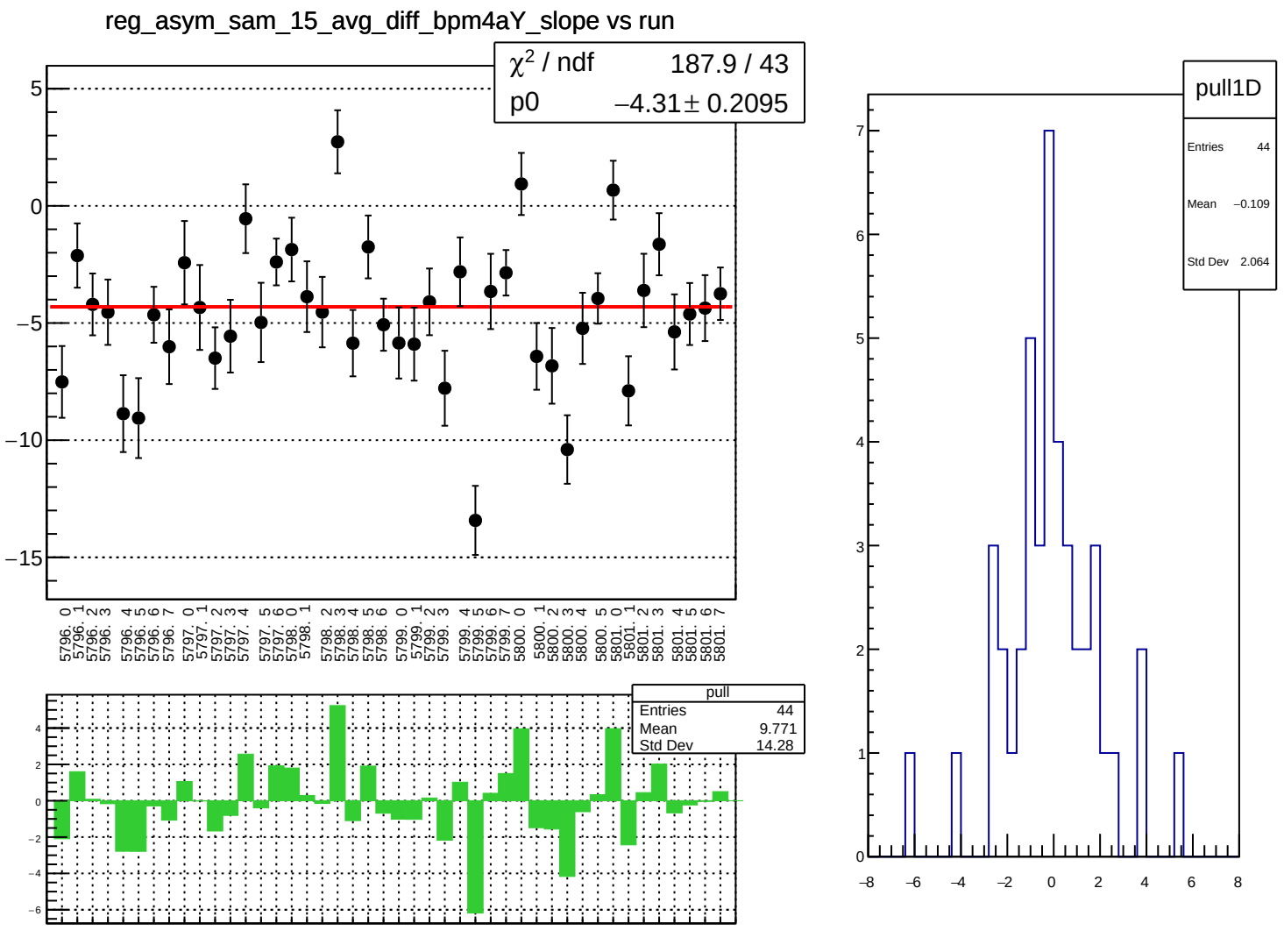

pull1D
Entries 44
Mean 0.009618
Std Dev 0.5414

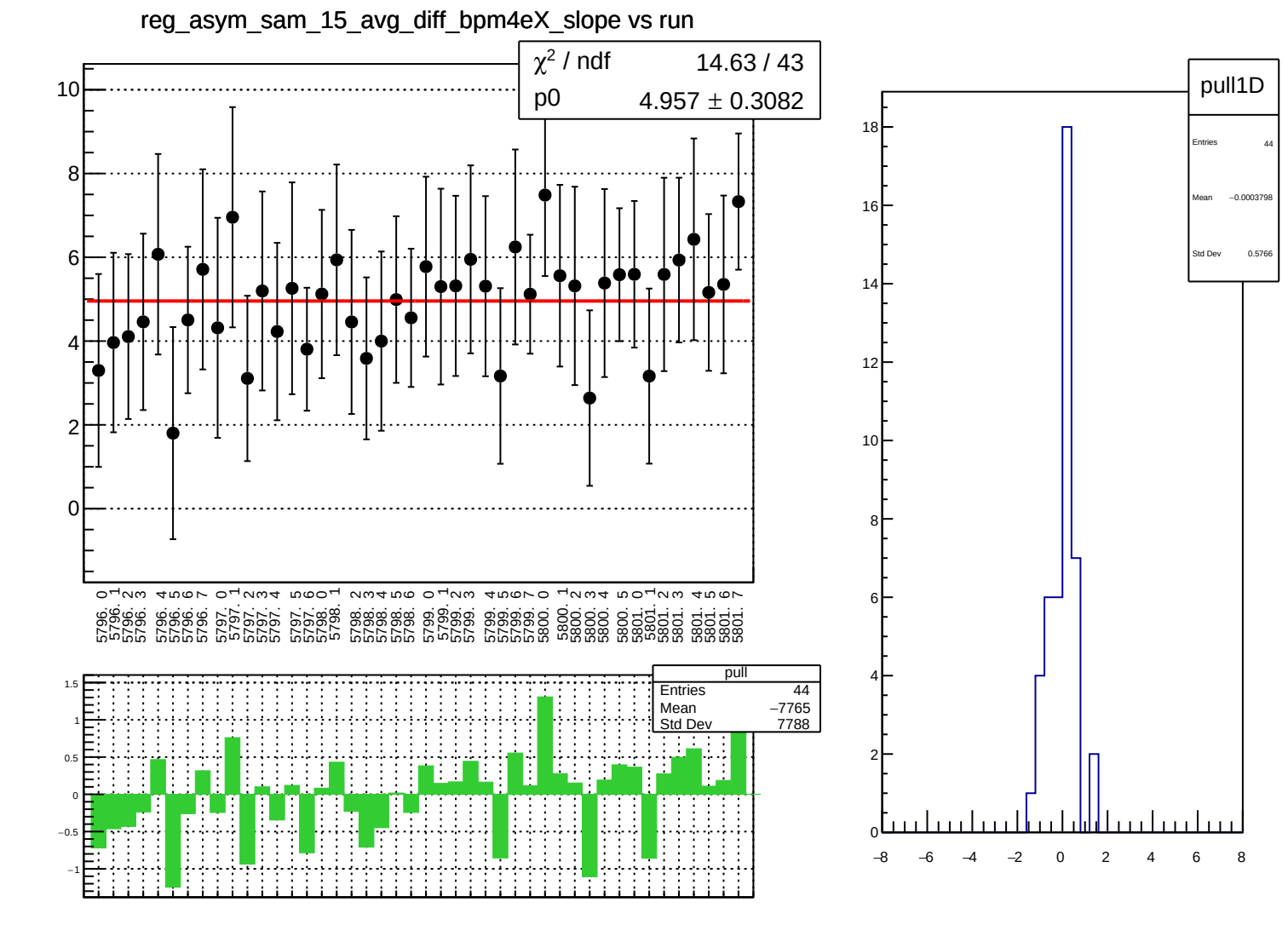

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 23.09 / 43
p0 −20.64 ± 0.1031
pull
Entries 44
Mean −189
Std Dev 223.2

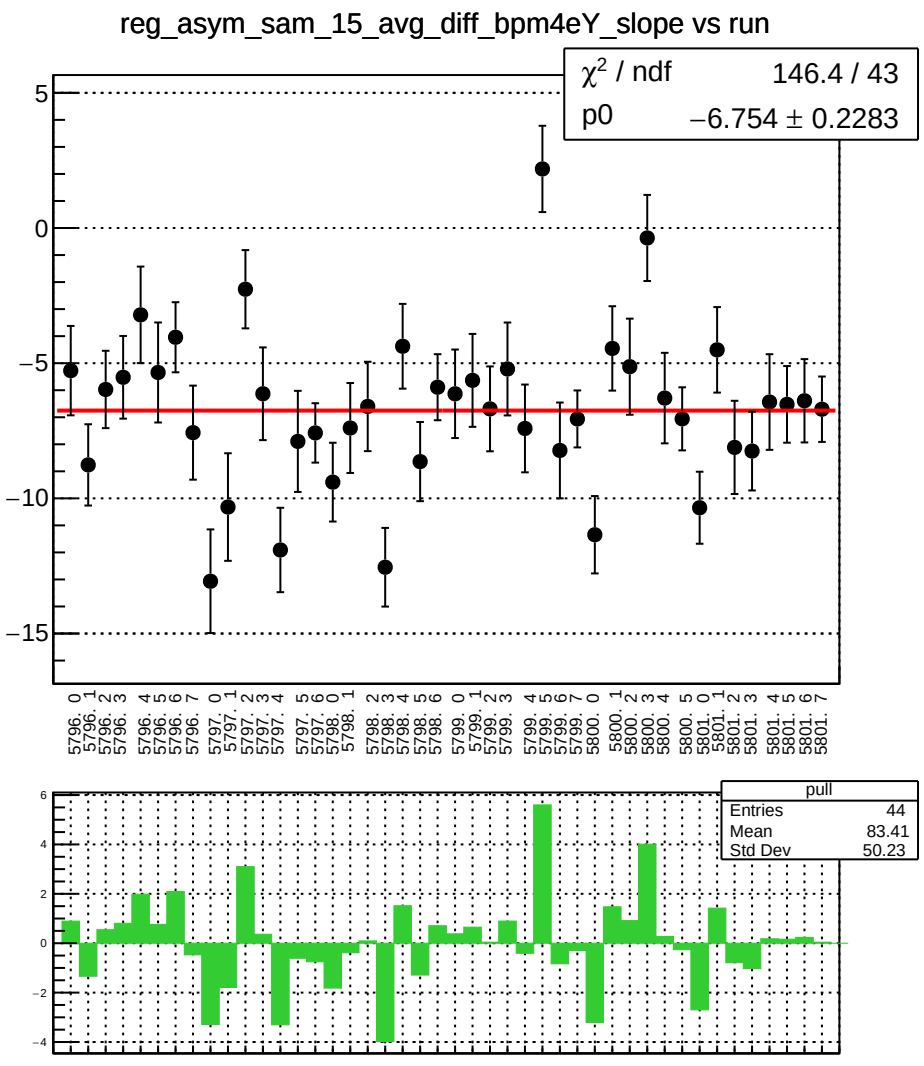

pull1D
Entries 44
Mean 0.007217
Std Dev 0.7243

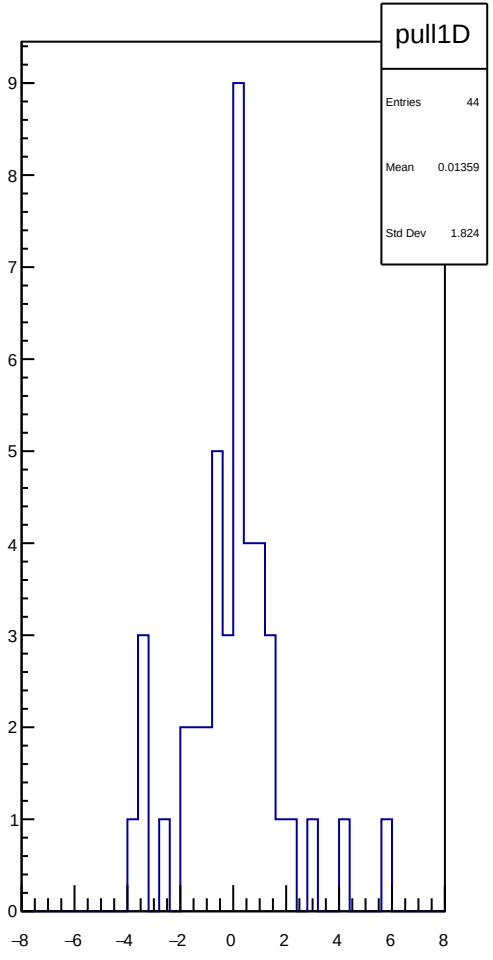

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.84 / 43
p0 −6.831 ± 0.243
pull
Entries 44
Mean −1.993e+04
Std Dev 1.995e+04

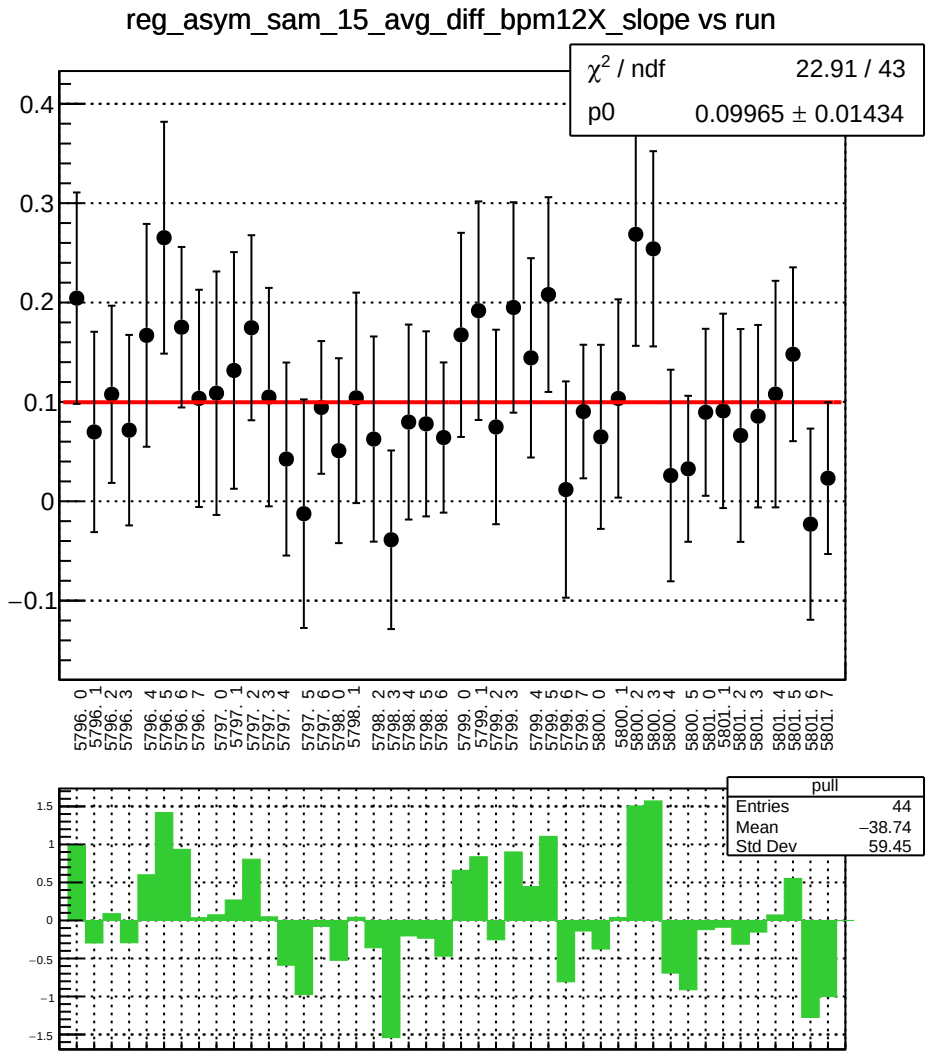

pull1D
Entries 44
Mean 0.0001523
Std Dev 0.6

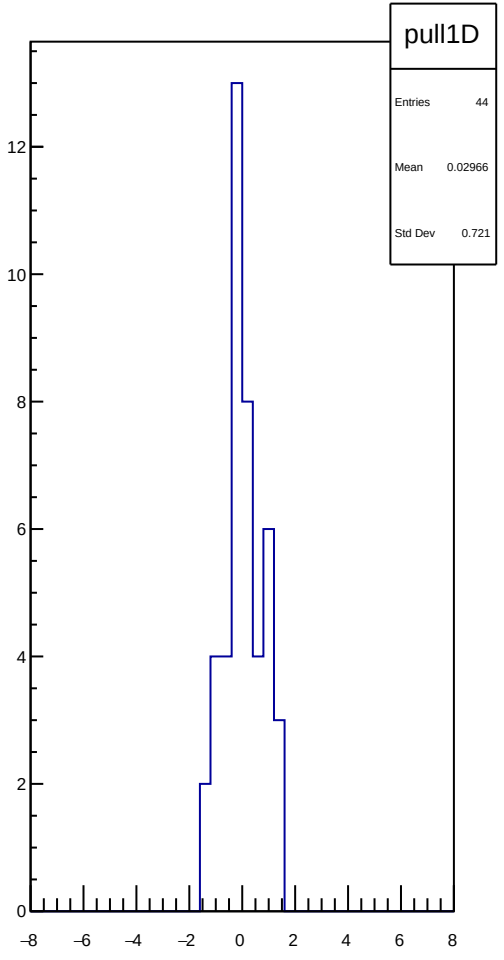

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 187.9 / 43
p0 −4.31 ± 0.2095
pull
Entries 44
Mean 9.771
Std Dev 14.28
pull1D
Entries 44
Mean −0.109
Std Dev 2.064

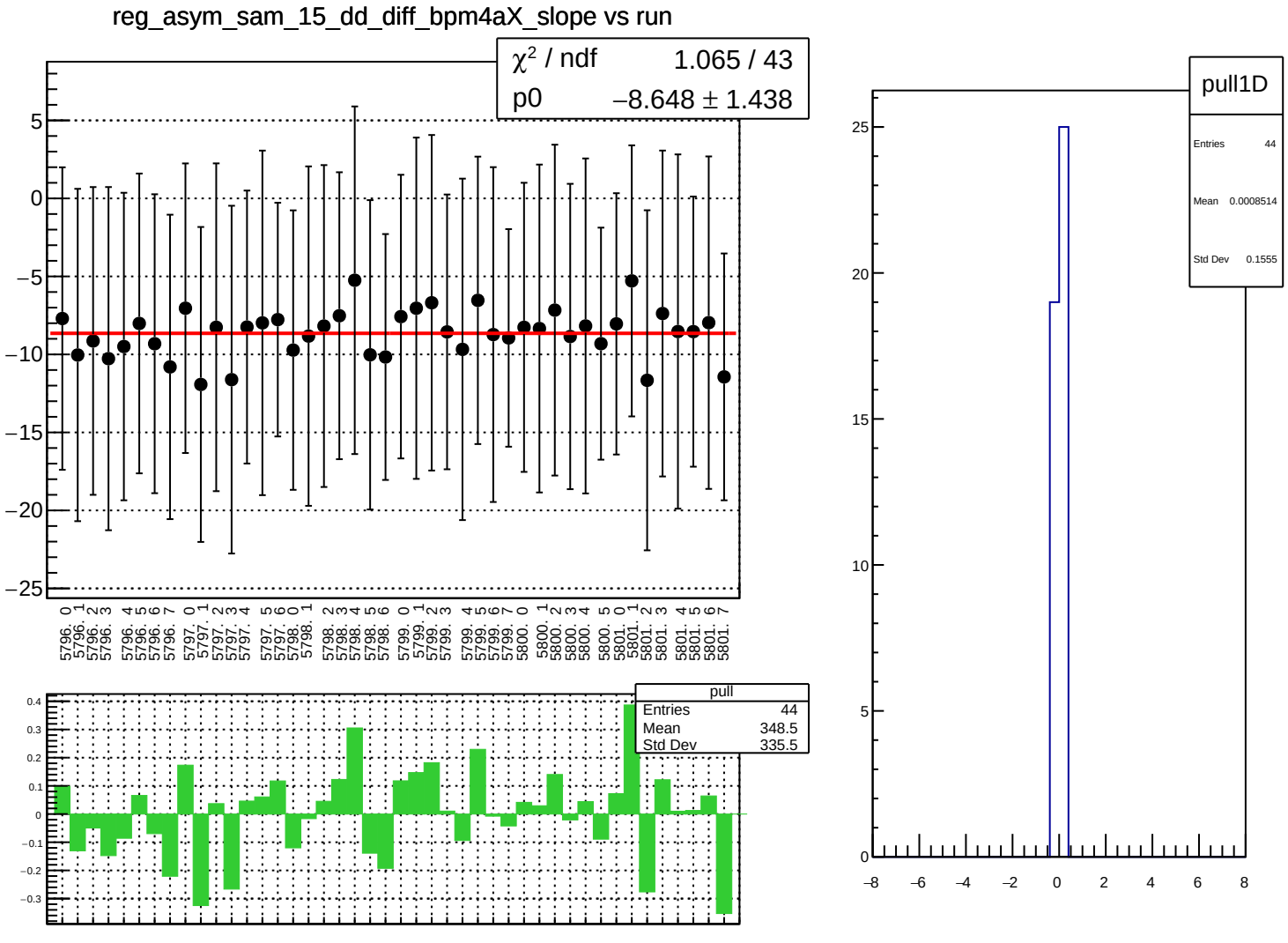

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.63 / 43
p0 4.957 ± 0.3082
pull
Entries 44
Mean −7765
Std Dev 7788
pull1D
Entries 44
Mean −0.0003798
Std Dev 0.5766

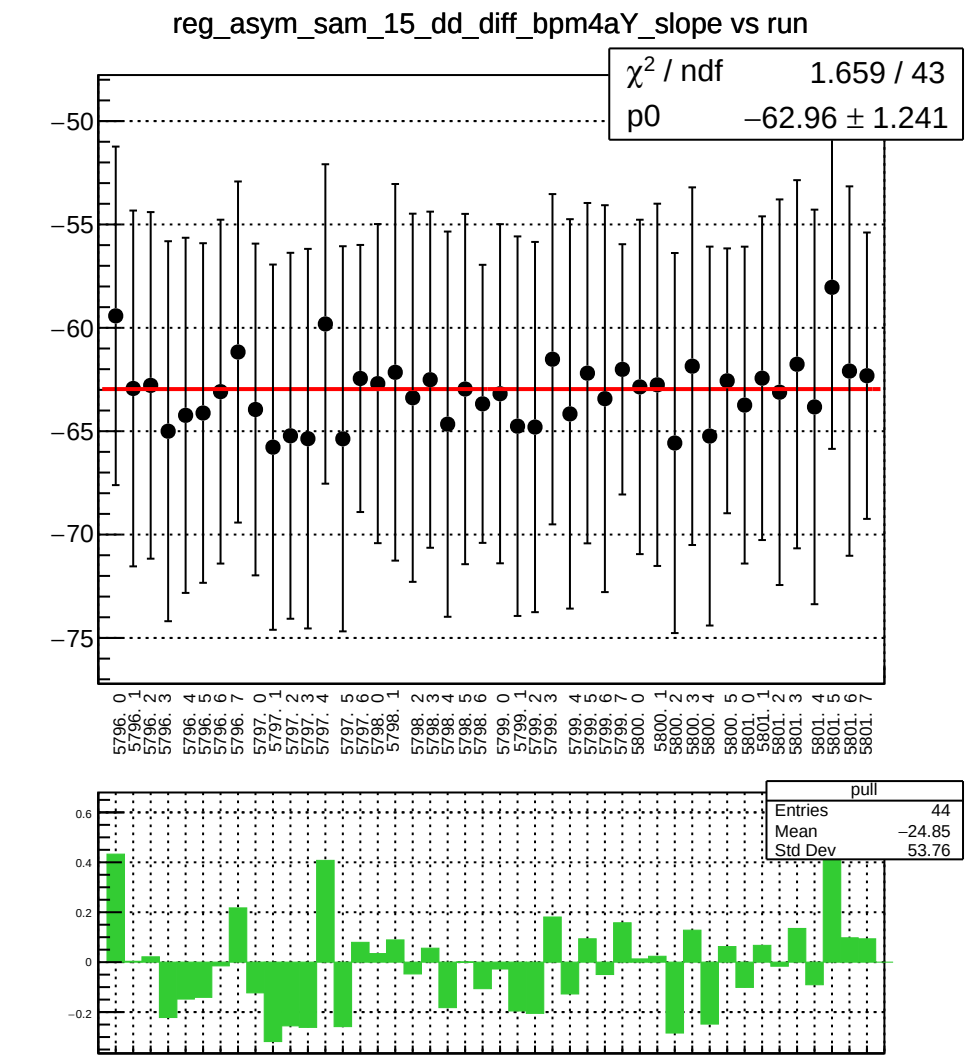

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 146.4 / 43
p0 −6.754 ± 0.2283
pull
Entries 44
Mean 83.41
Std Dev 50.23

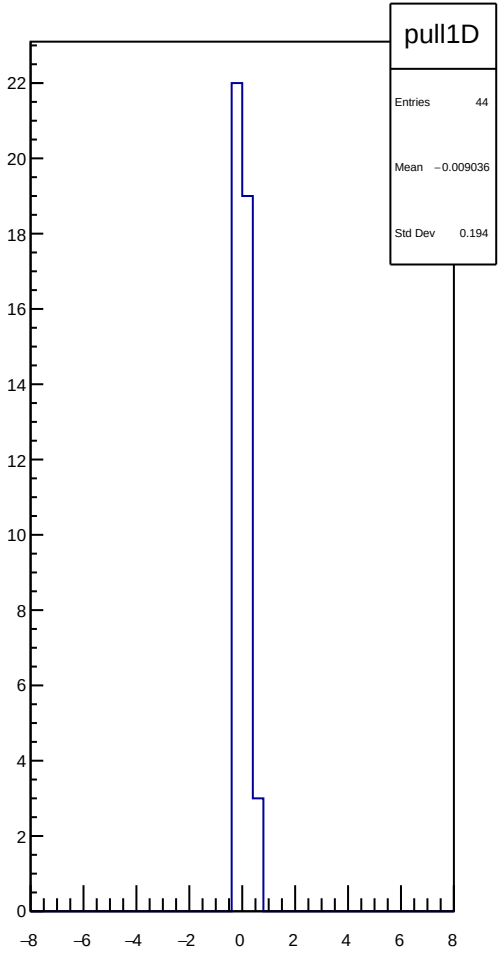

pull1D
Entries 44
Mean 0.01359
Std Dev 1.824

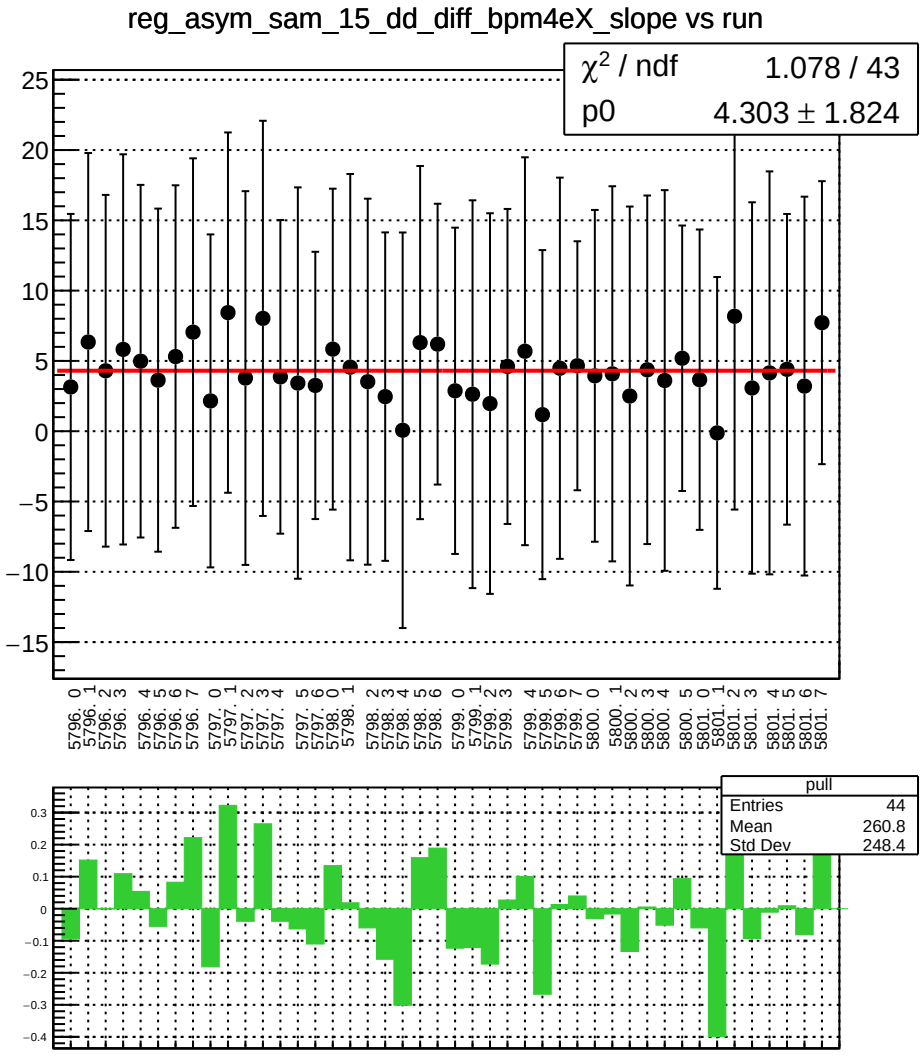

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 22.91 / 43
p0 0.09965 ± 0.01434
pull
Entries 44
Mean −38.74
Std Dev 59.45

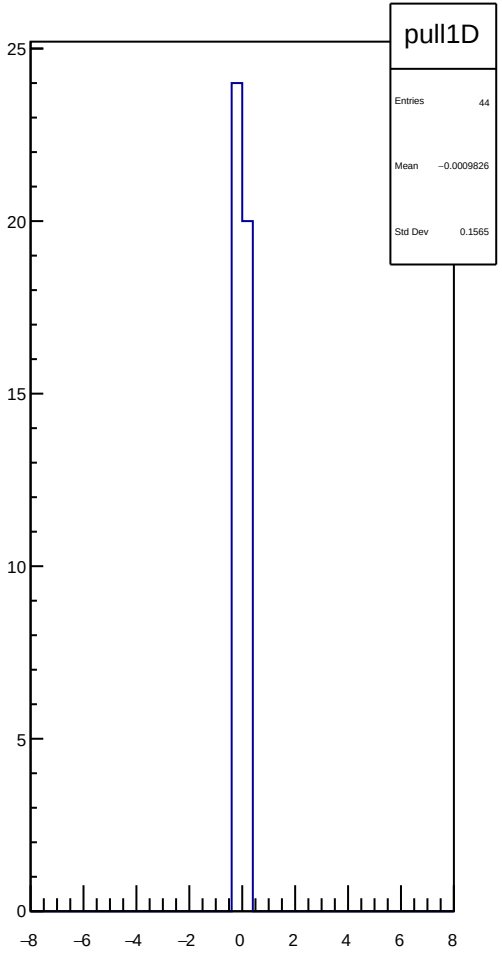

pull1D
Entries 44
Mean 0.02966
Std Dev 0.721

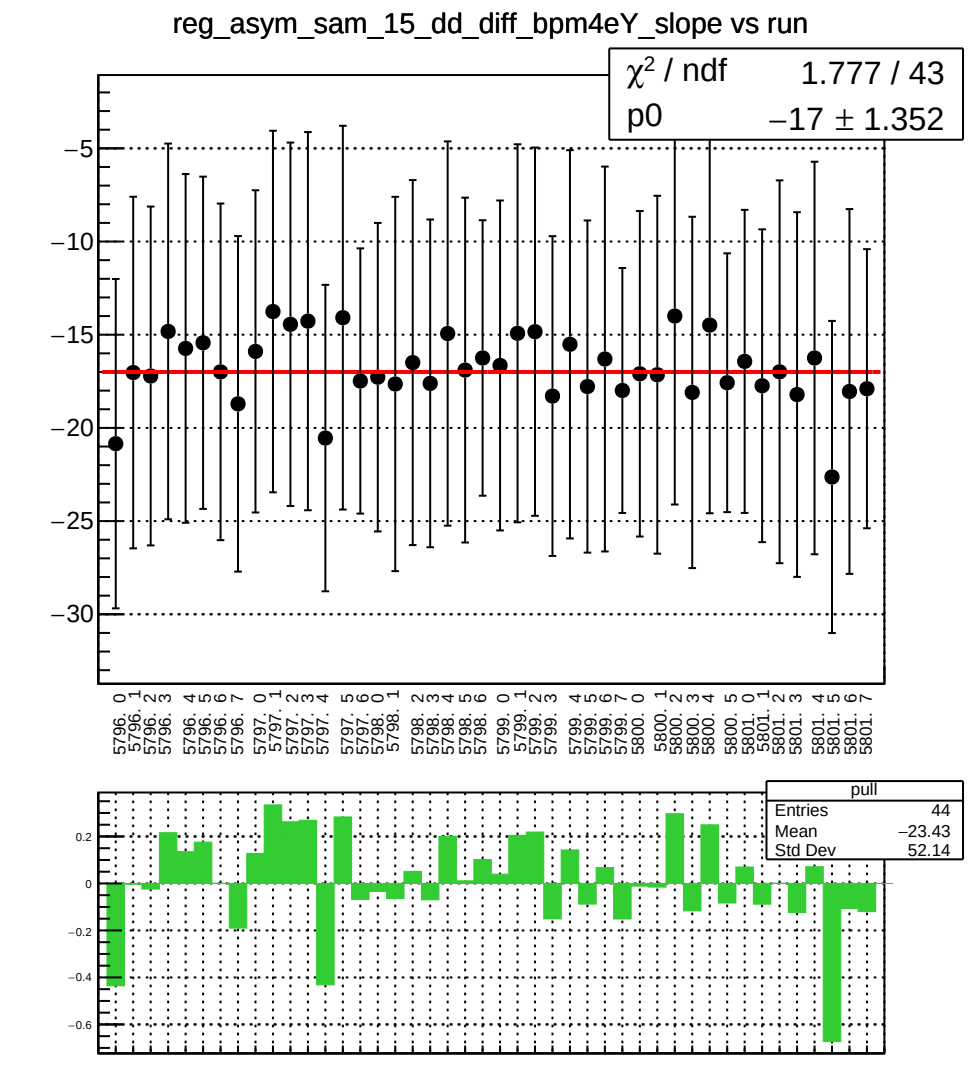

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.065 / 43
p0 −8.648 ± 1.438
pull
Entries 44
Mean 348.5
Std Dev 335.5
pull1D
Entries 44
Mean 0.0008514
Std Dev 0.1555

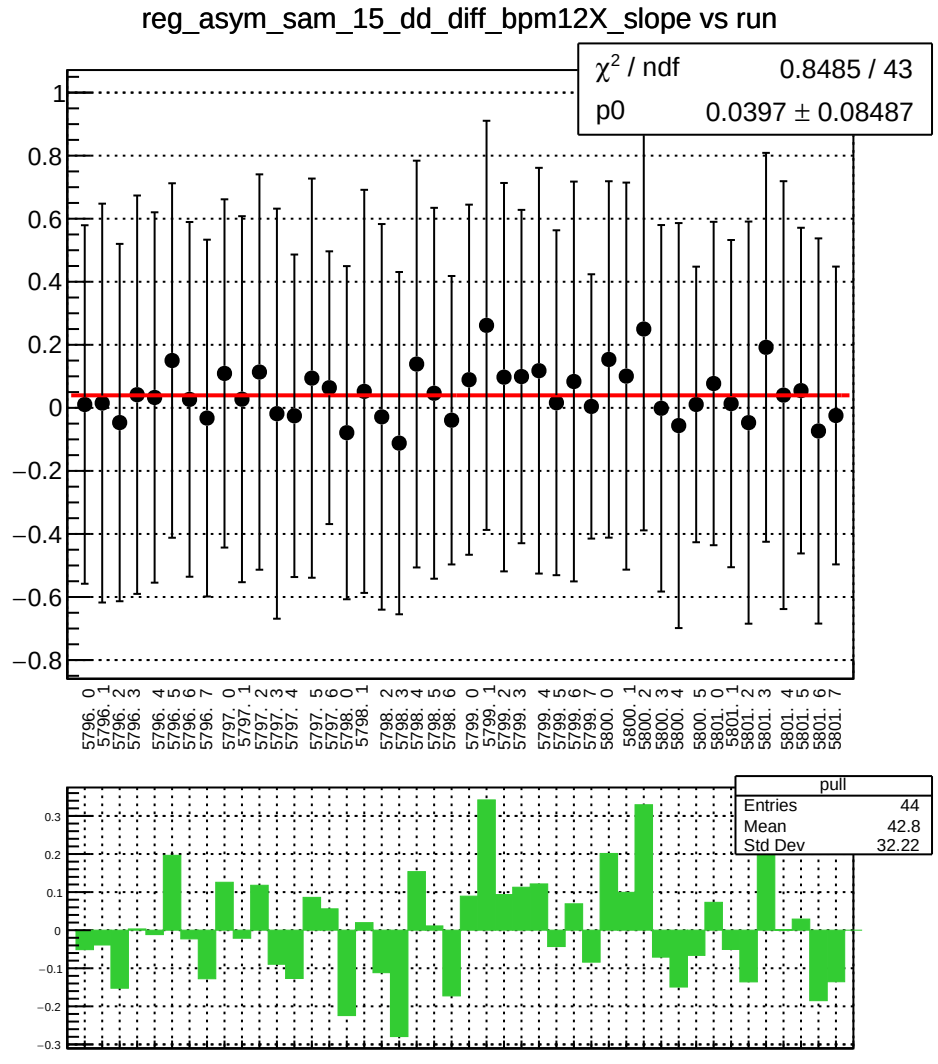

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.659 / 43
p0 −62.96 ± 1.241
−50
−55
−60
−65
−70
−75
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −24.85
Std Dev 53.76
0.6
0.4
0.2
0
−0.2

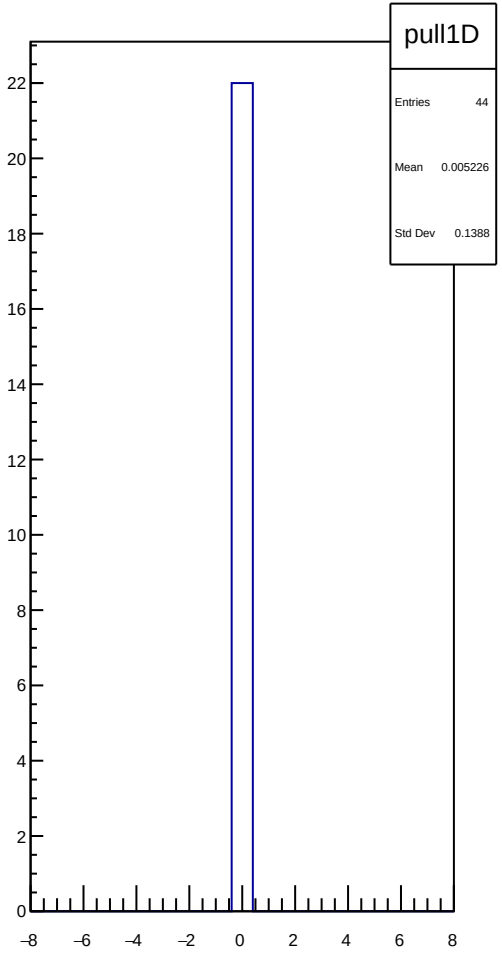

pull1D
Entries 44
Mean −0.009036
Std Dev 0.194
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.078 / 43
p0 4.303 ± 1.824
pull
Entries 44
Mean 260.8
Std Dev 248.4

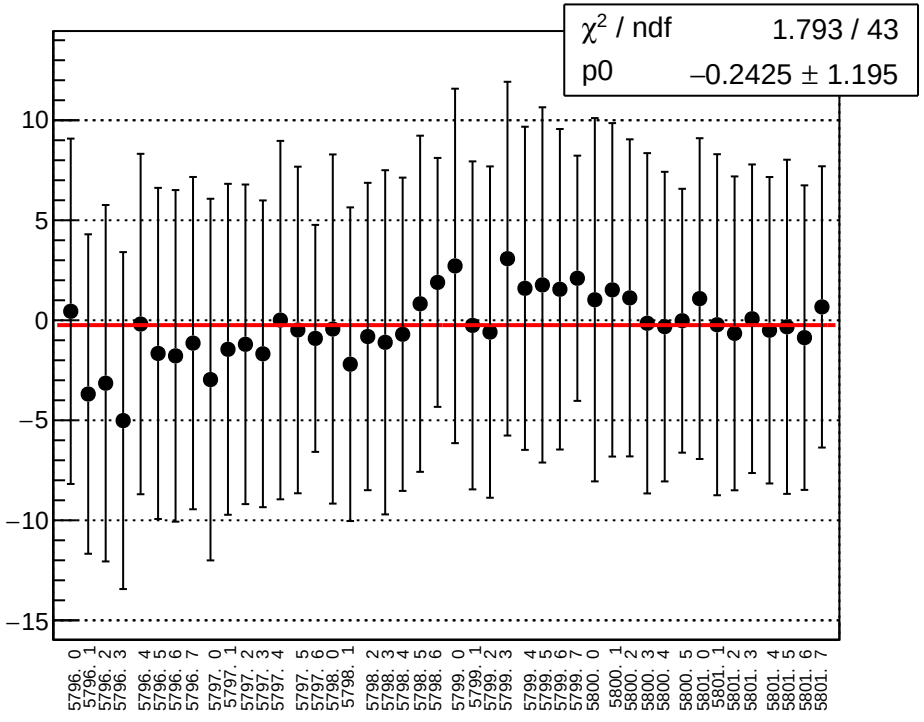

pull1D
Entries 44
Mean −0.0009826
Std Dev 0.1565

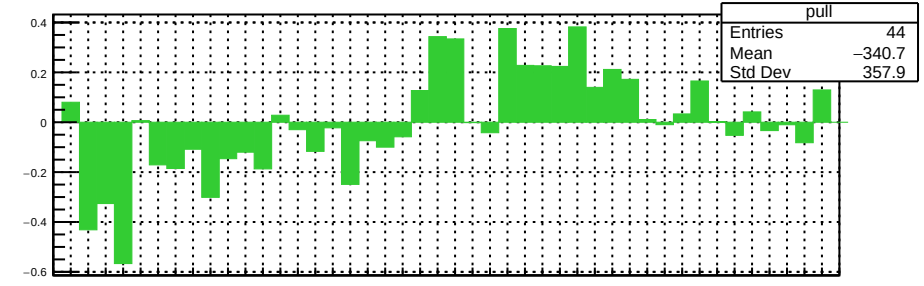

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.777 / 43
p0 −17 ± 1.352
−5
−10
−15
−20
−25
−30
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −23.43
Std Dev 52.14
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 44
Mean 0.01095
Std Dev 0.2007
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

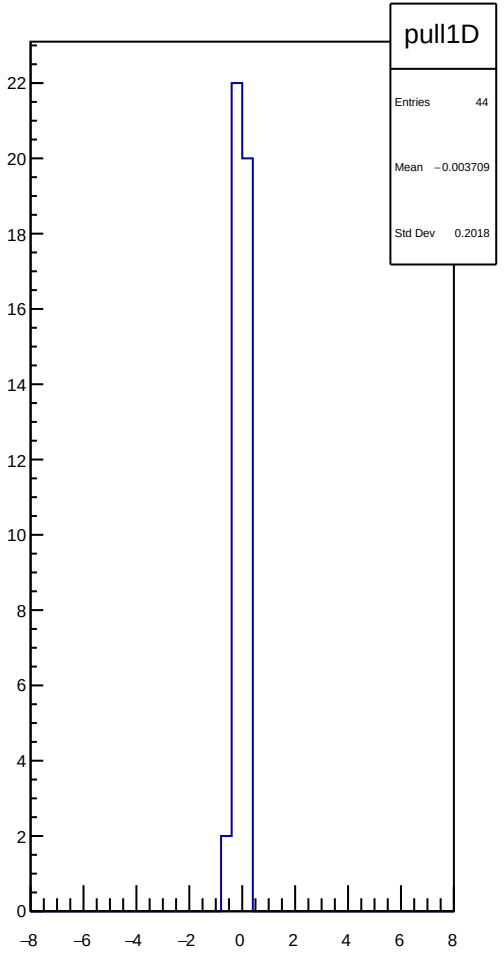

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8485 / 43
p0 0.0397 ± 0.08487
pull
Entries 44
Mean 42.8
Std Dev 32.22


pull1D
Entries 44
Mean 0.005226
Std Dev 0.1388

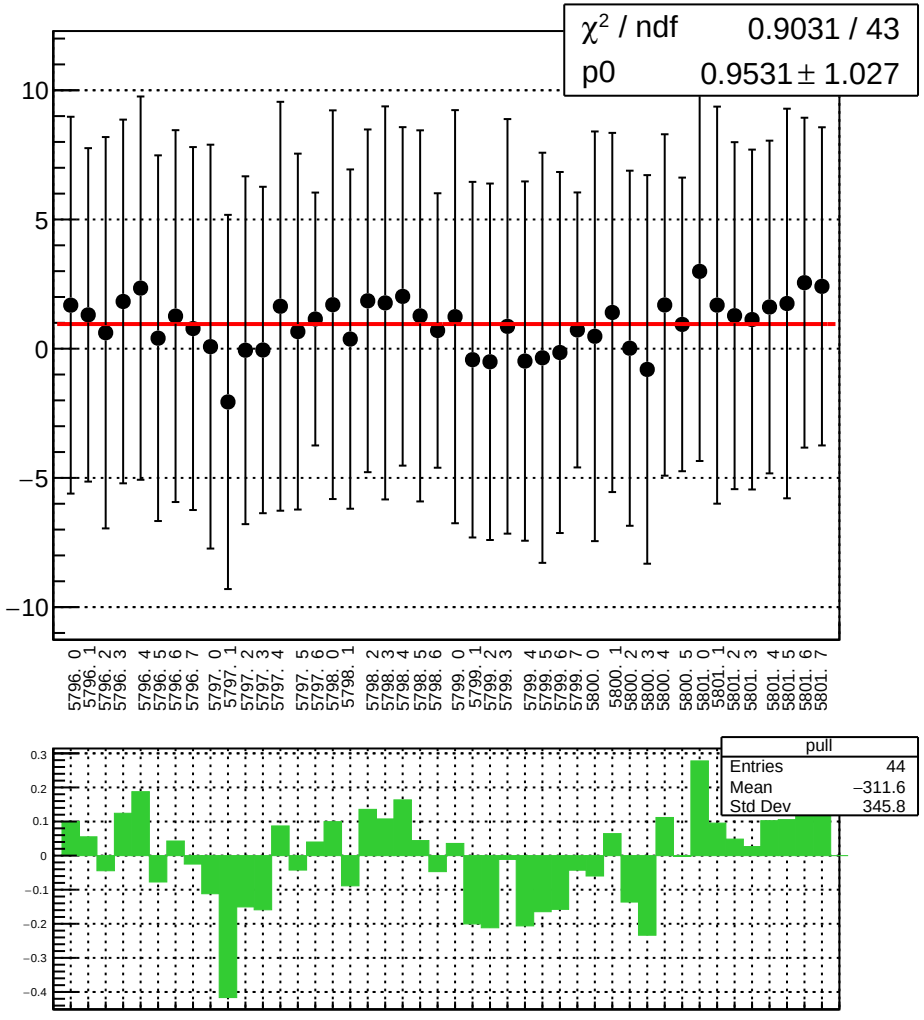
reg_asym_sam_37_avg_diff_bpm4aX_slope vs run

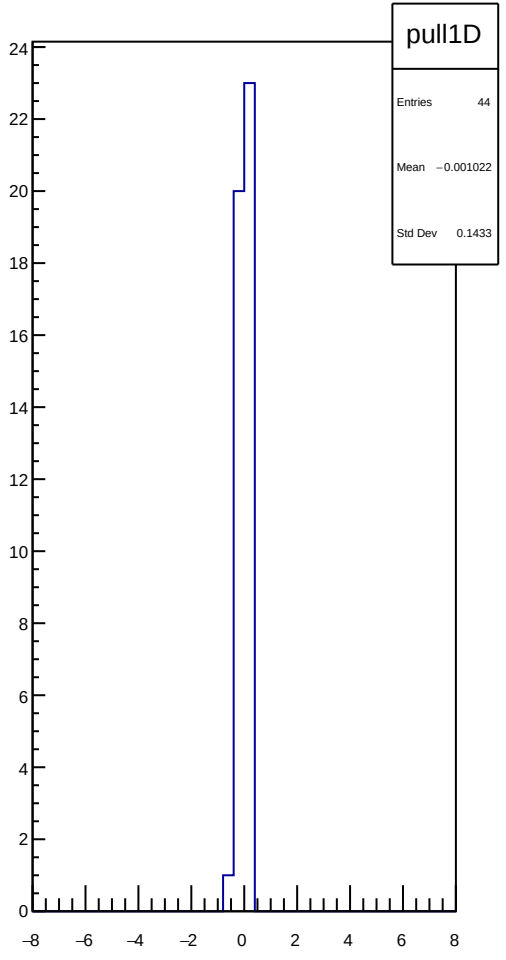


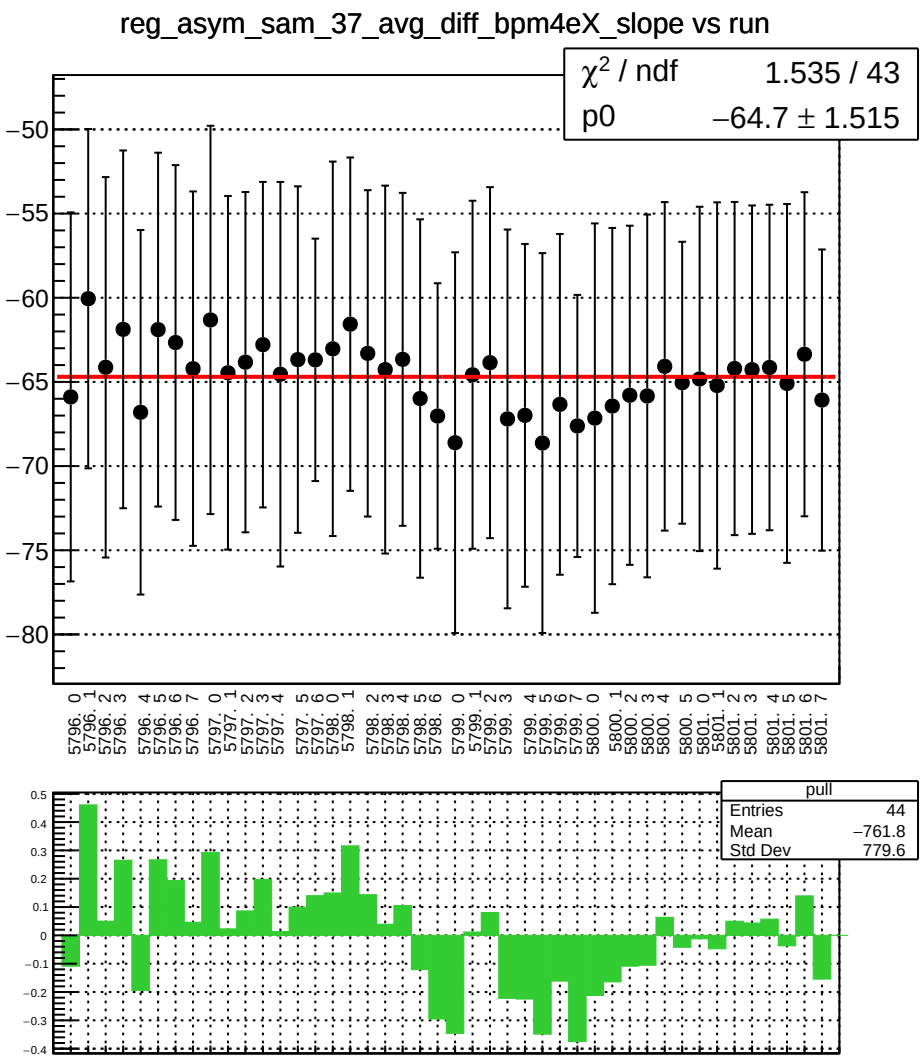


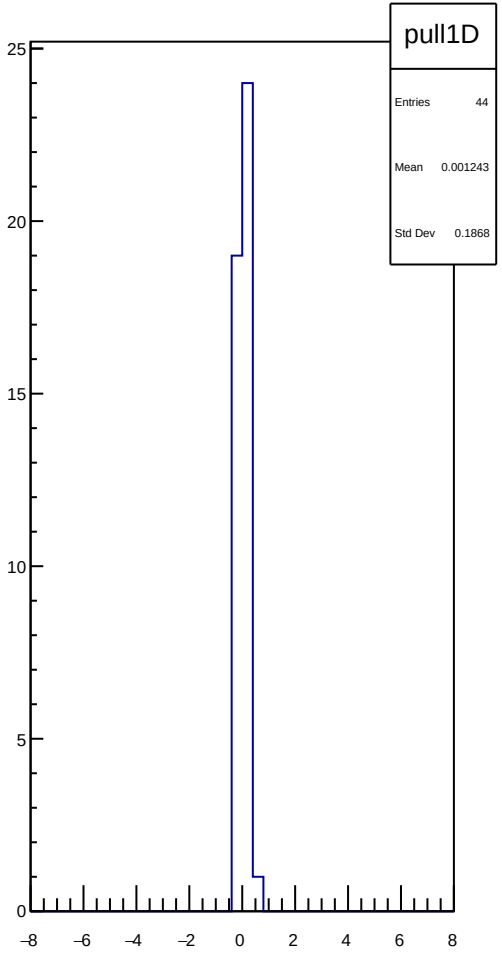


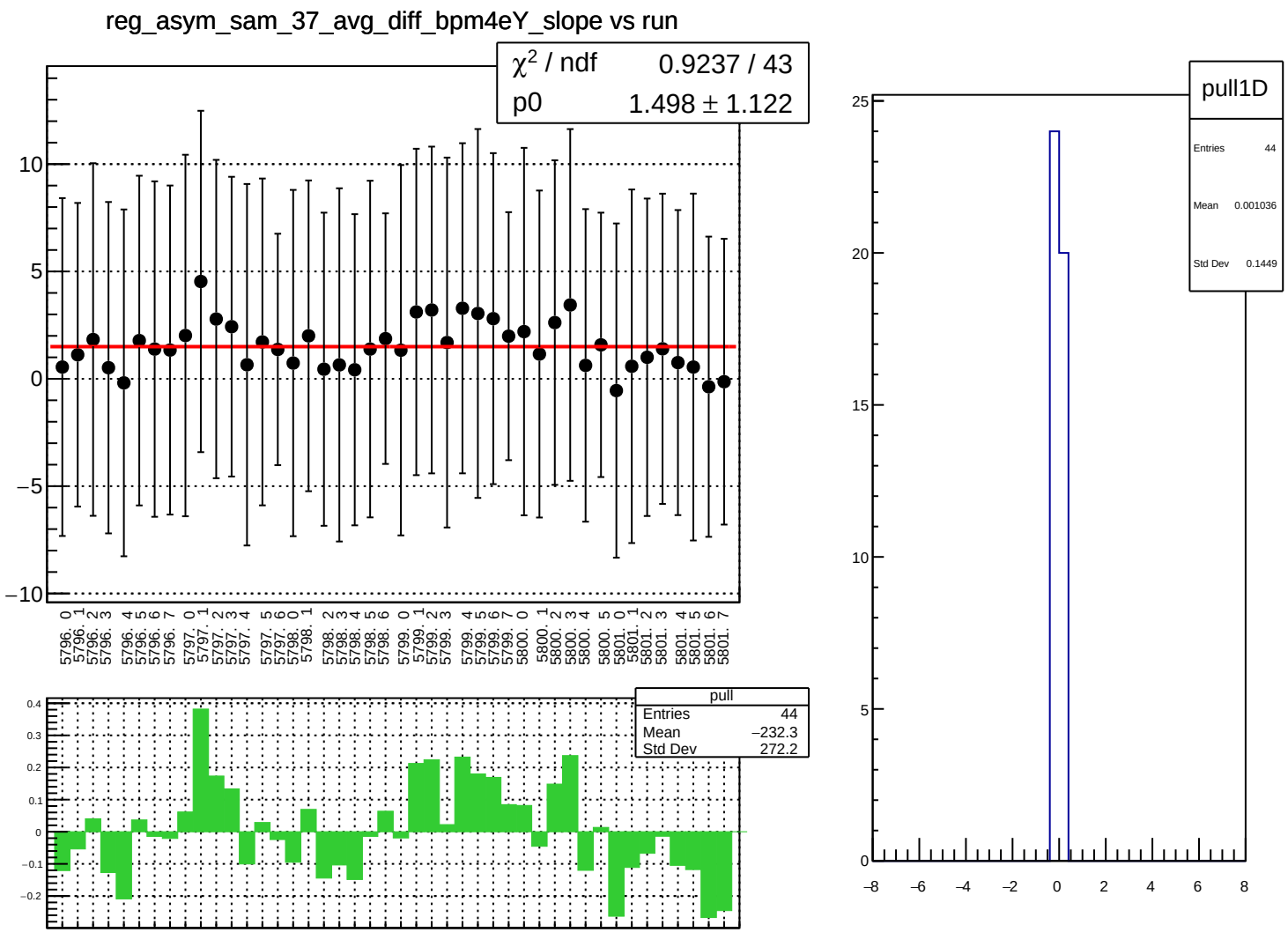
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run

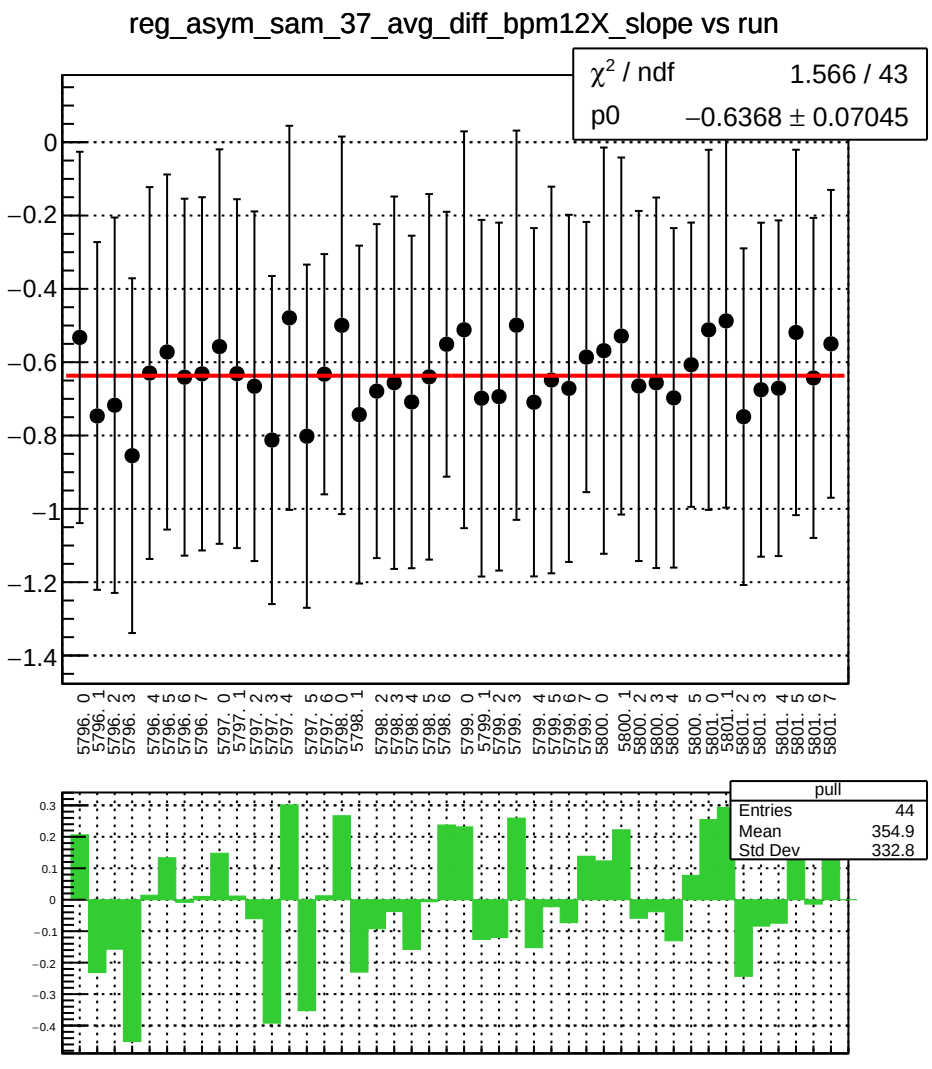


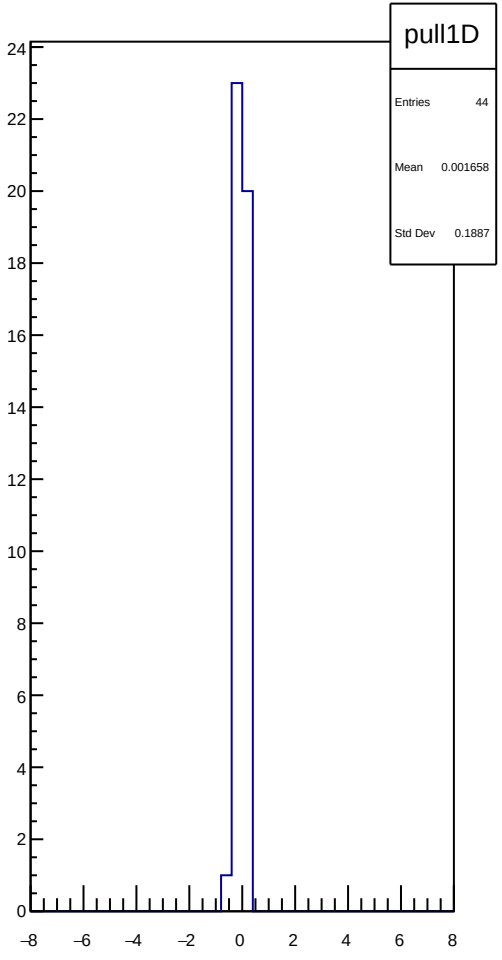


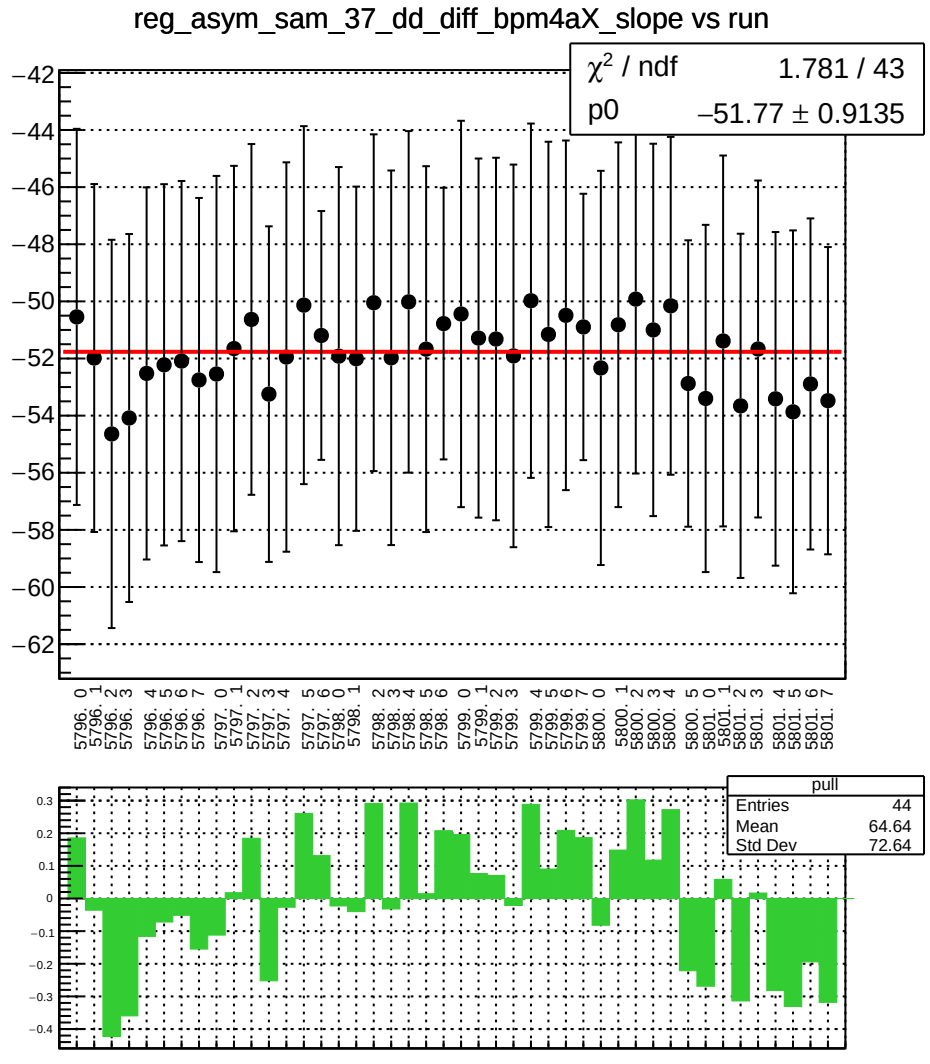

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.535 / 43
p0 −64.7 ± 1.515
−50
−55
−60
−65
−70
−75
−80
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −761.8
Std Dev 779.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

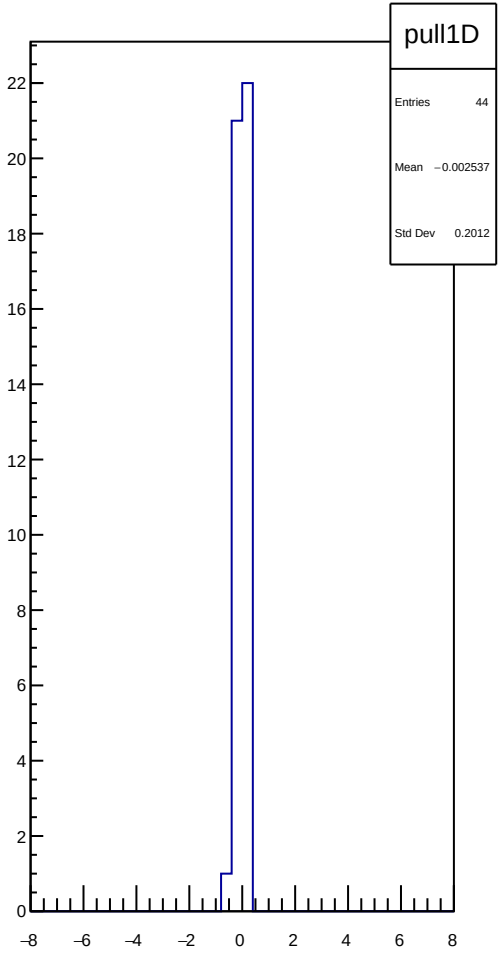

pull1D
Entries 44
Mean 0.001243
Std Dev 0.1868
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

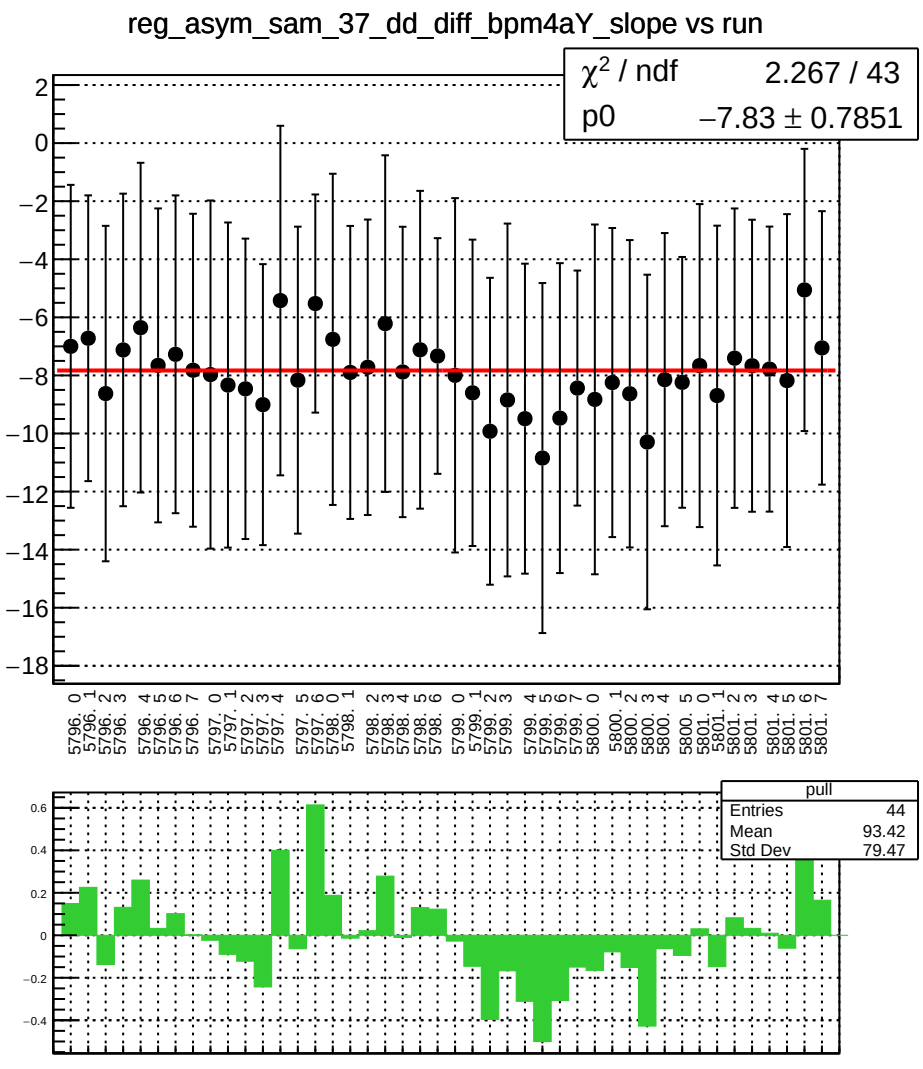

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.9237 / 43
p0 1.498 ± 1.122
10
5
0
−5
−10
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −232.3
Std Dev 272.2
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 44
Mean 0.001036
Std Dev 0.1449
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

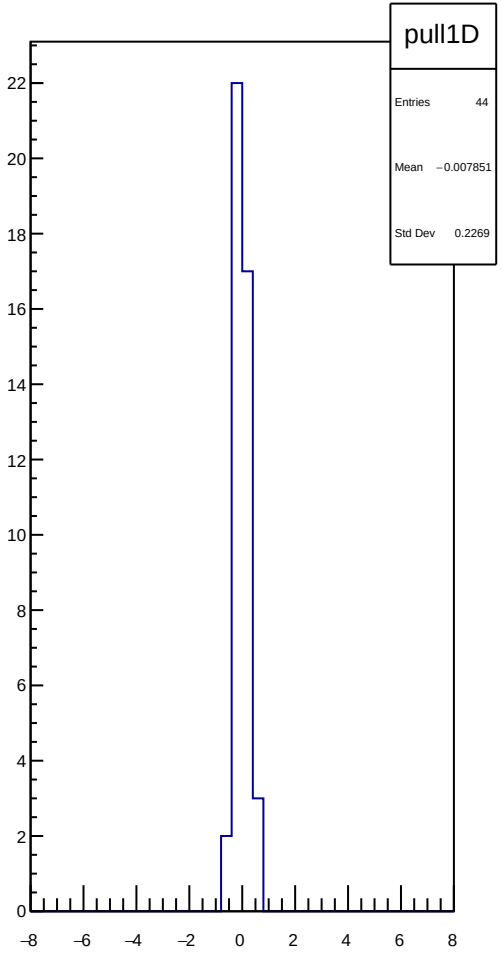

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.566 / 43
p0 −0.6368 ± 0.07045
pull
Entries 44
Mean 354.9
Std Dev 332.8

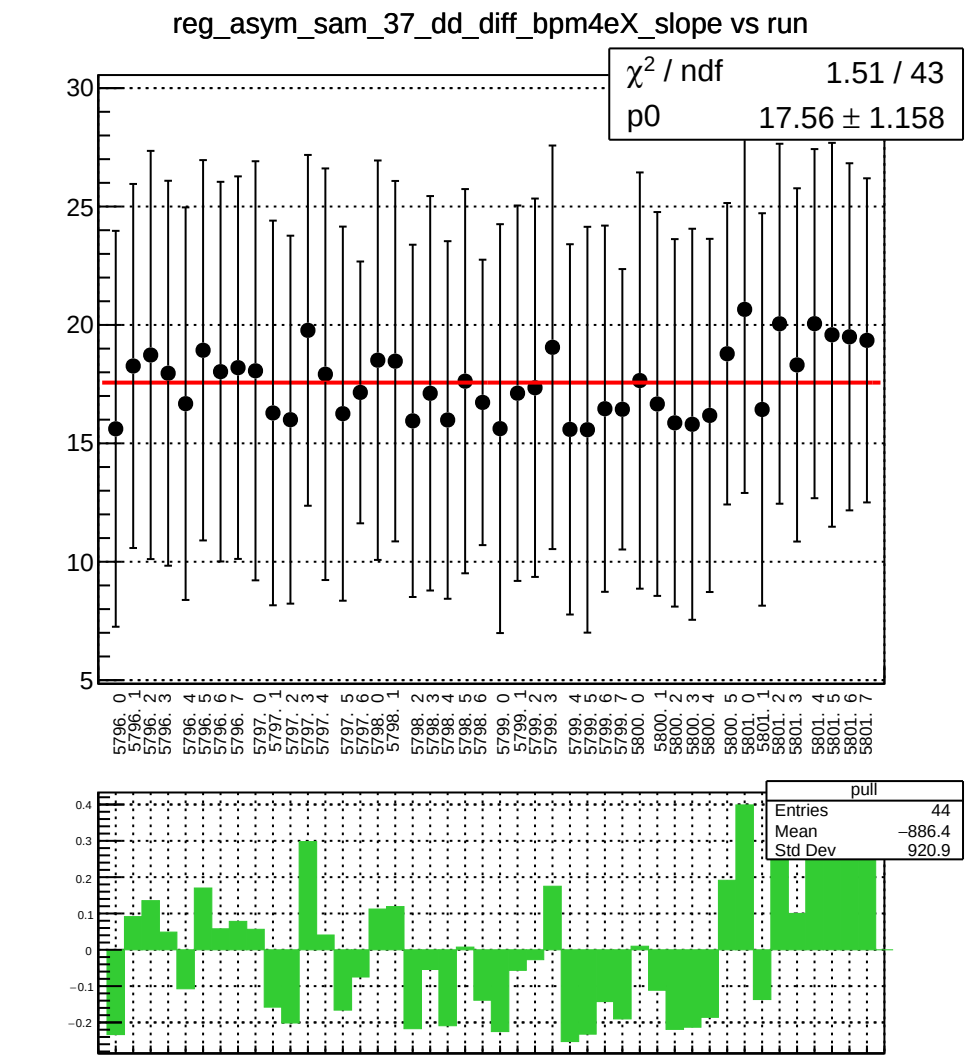

pull1D
Entries 44
Mean 0.001658
Std Dev 0.1887

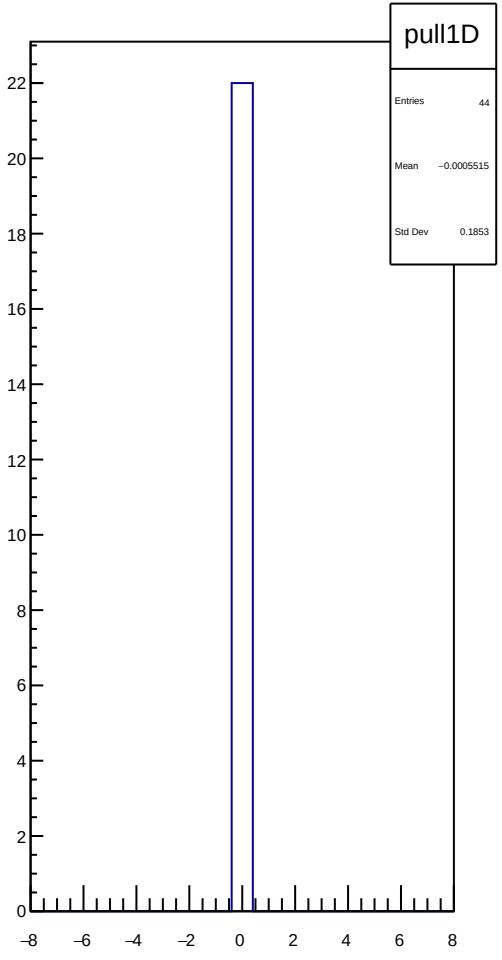

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.781 / 43
p0 −51.77 ± 0.9135
pull
Entries 44
Mean 64.64
Std Dev 72.64

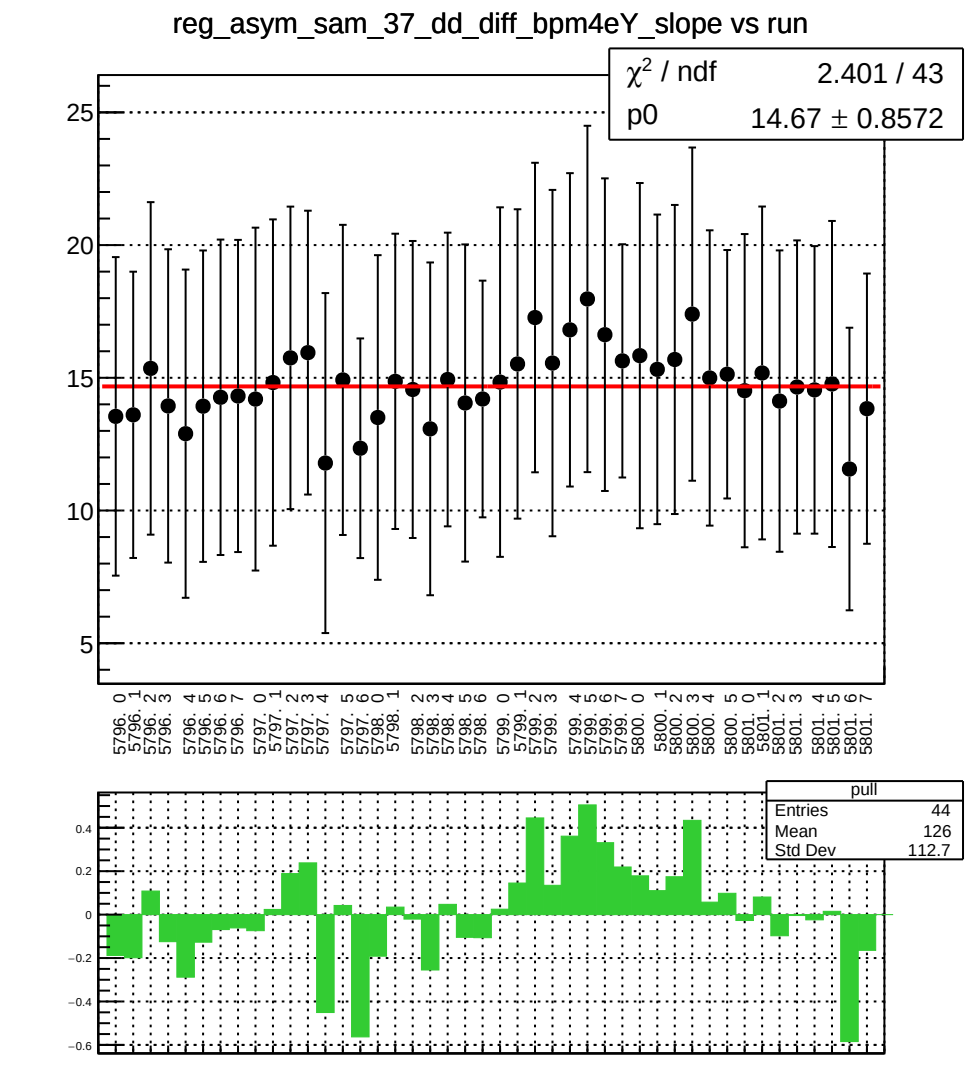

pull1D
Entries 44
Mean −0.002537
Std Dev 0.2012

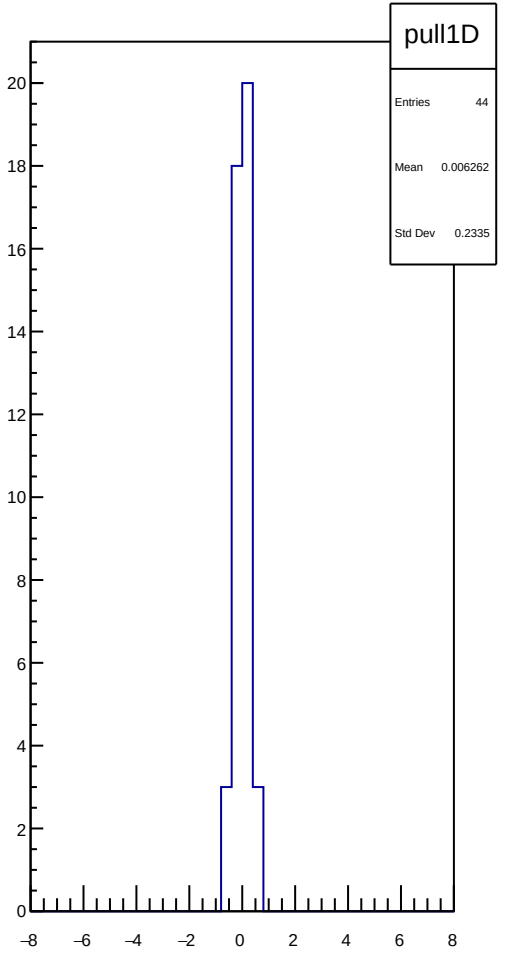

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.267 / 43
p0 −7.83 ± 0.7851
pull
Entries 44
Mean 93.42
Std Dev 79.47

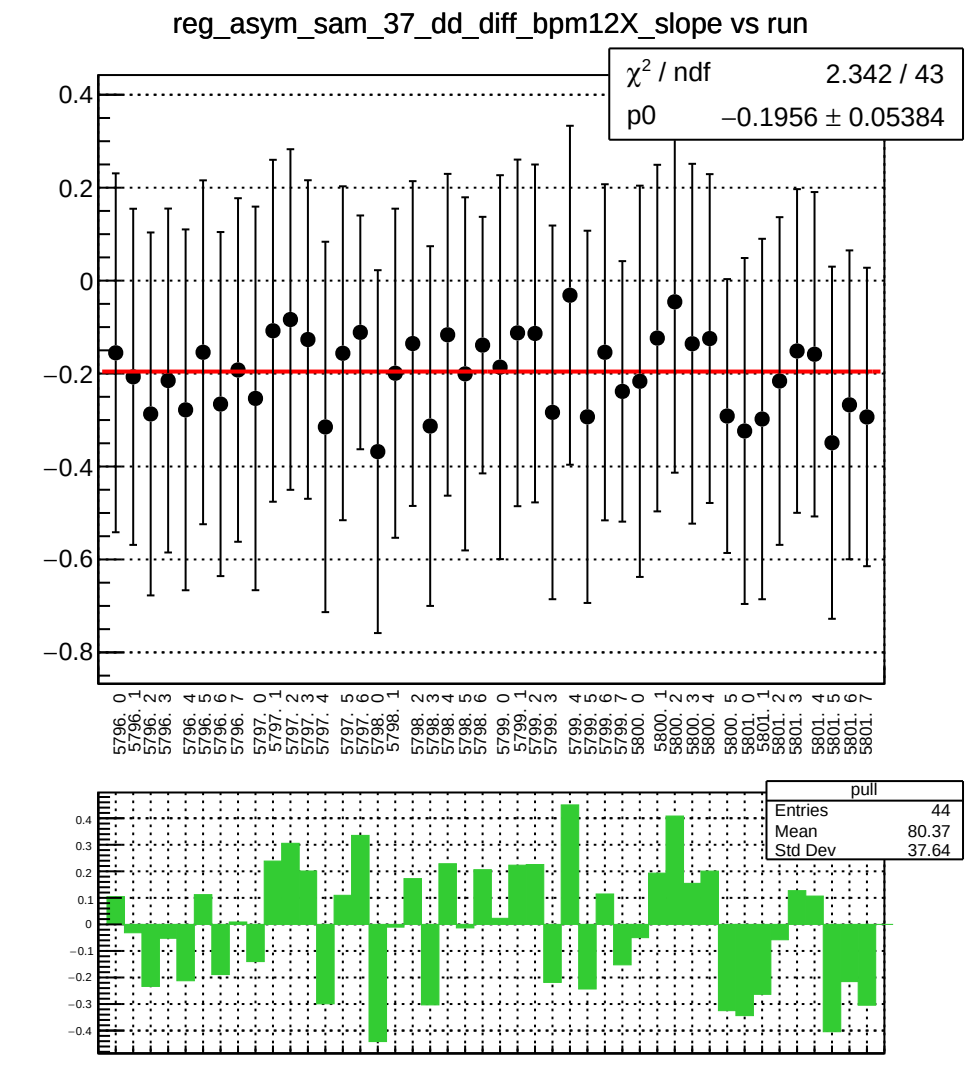

pull1D
Entries 44
Mean −0.007851
Std Dev 0.2269

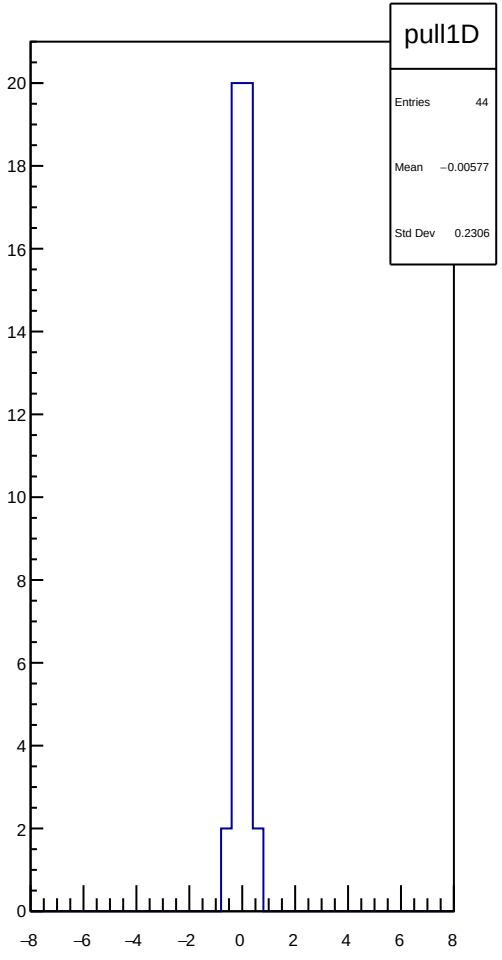

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.51 / 43
p0 17.56 ± 1.158
pull
Entries 44
Mean −886.4
Std Dev 920.9

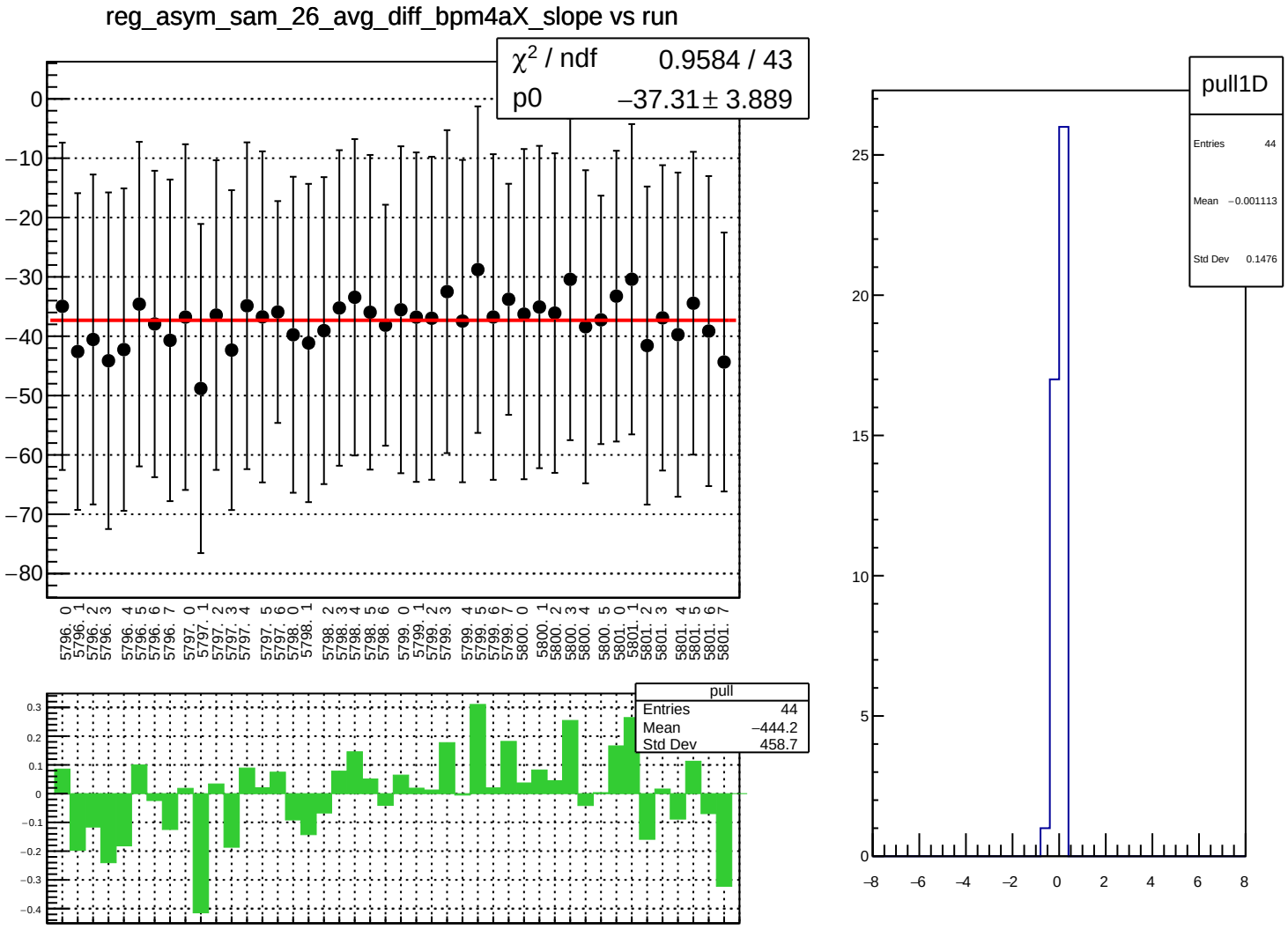

pull1D
Entries 44
Mean −0.0005515
Std Dev 0.1853

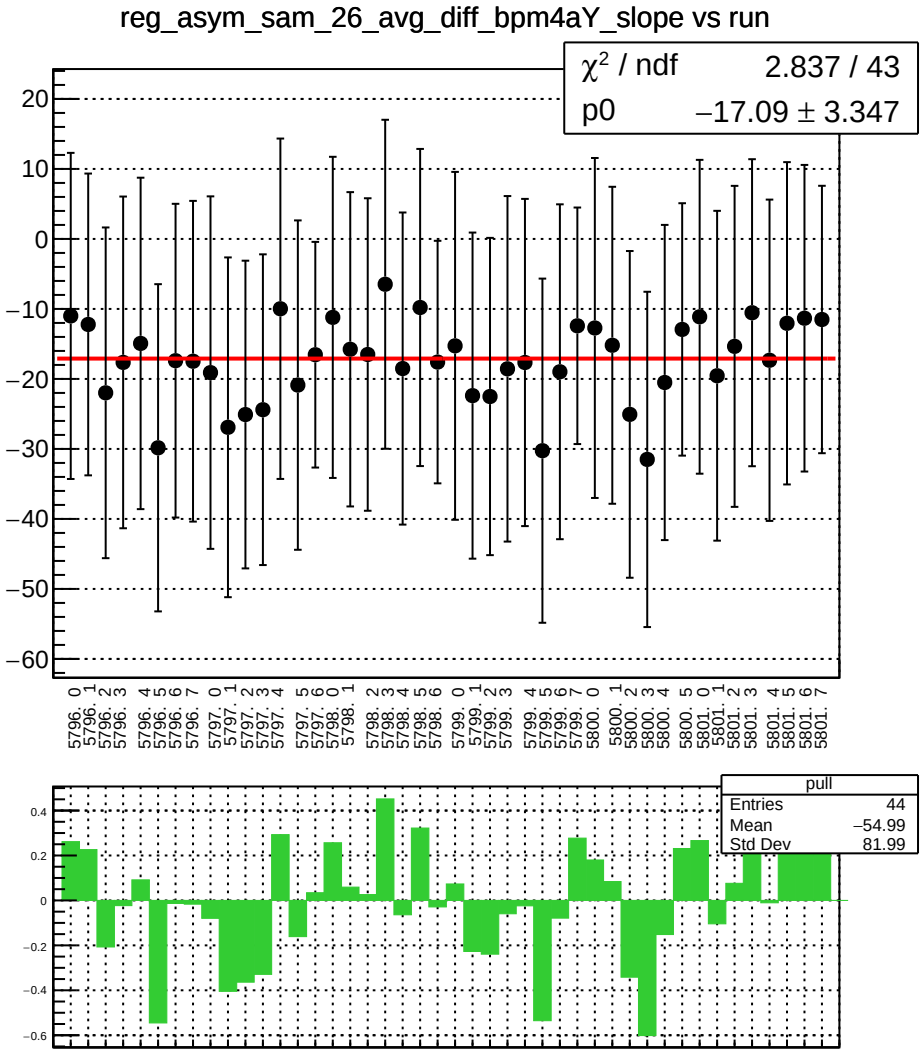

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.401 / 43
p0 14.67 ± 0.8572
pull
Entries 44
Mean 126
Std Dev 112.7

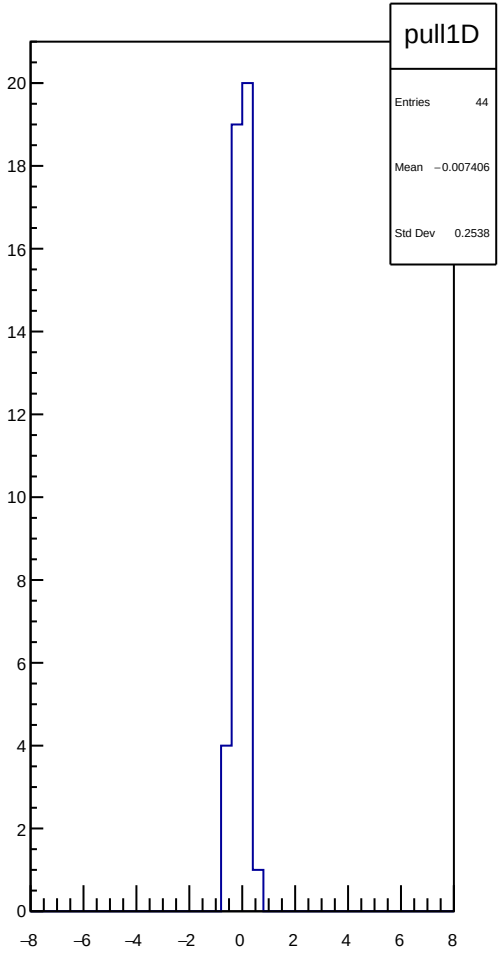

pull1D
Entries 44
Mean 0.006262
Std Dev 0.2335

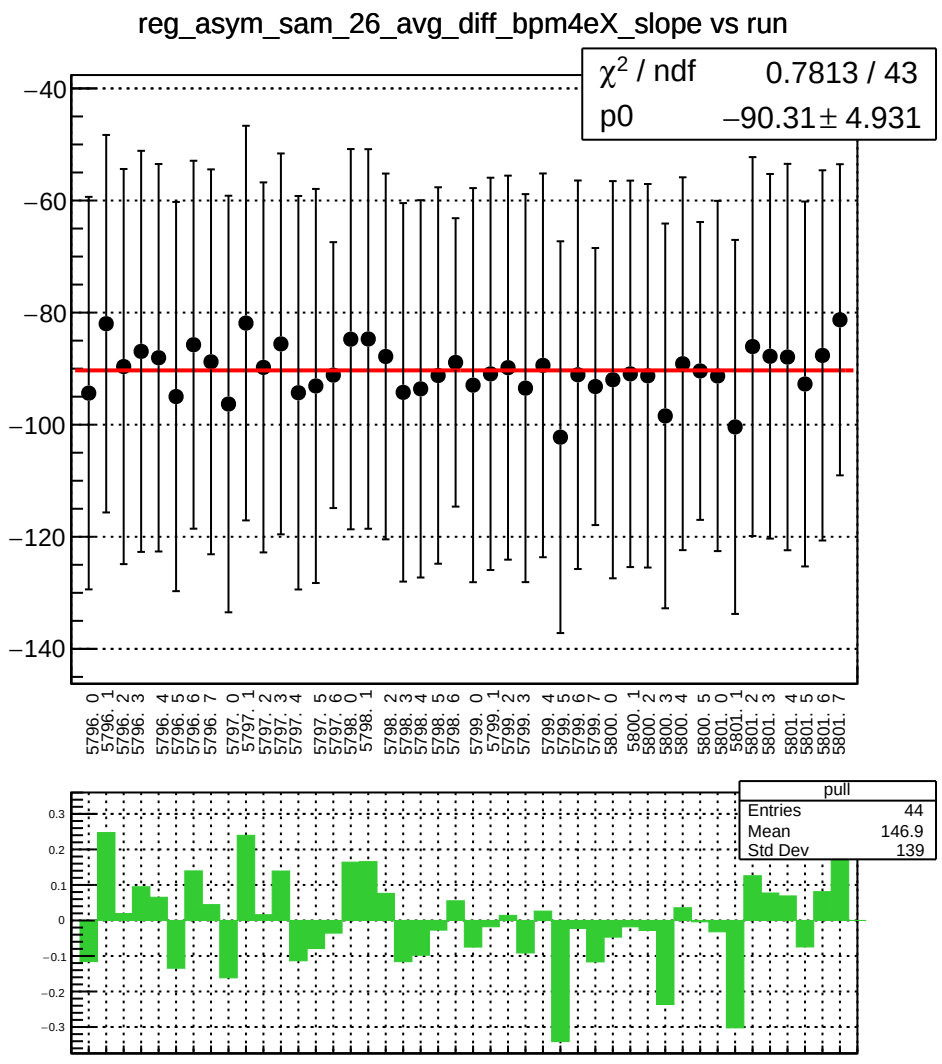

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.342 / 43
p0 −0.1956 ± 0.05384
pull
Entries 44
Mean 80.37
Std Dev 37.64

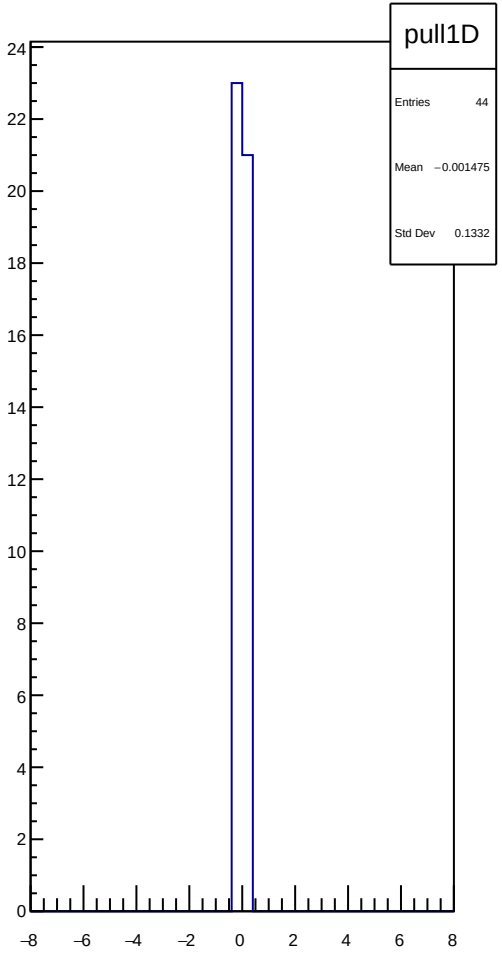

pull1D
Entries 44
Mean −0.00577
Std Dev 0.2306

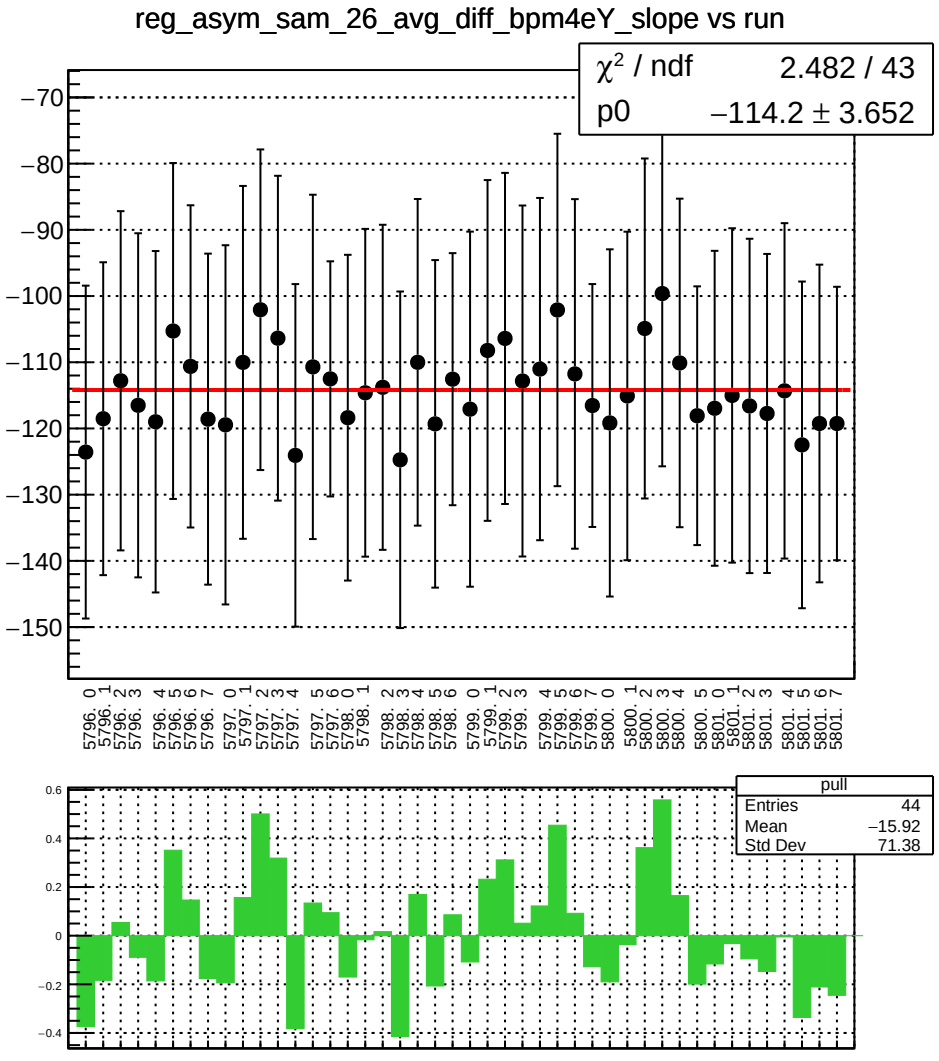

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.9584 / 43
p0 −37.31± 3.889
pull
Entries 44
Mean −444.2
Std Dev 458.7
pull1D
Entries 44
Mean −0.001113
Std Dev 0.1476

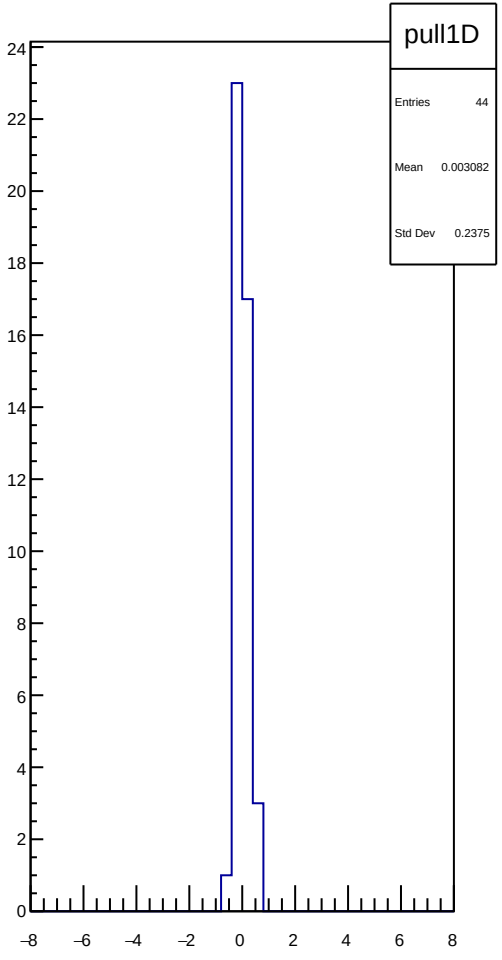

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.837 / 43
p0 −17.09 ± 3.347
pull
Entries 44
Mean −54.99
Std Dev 81.99

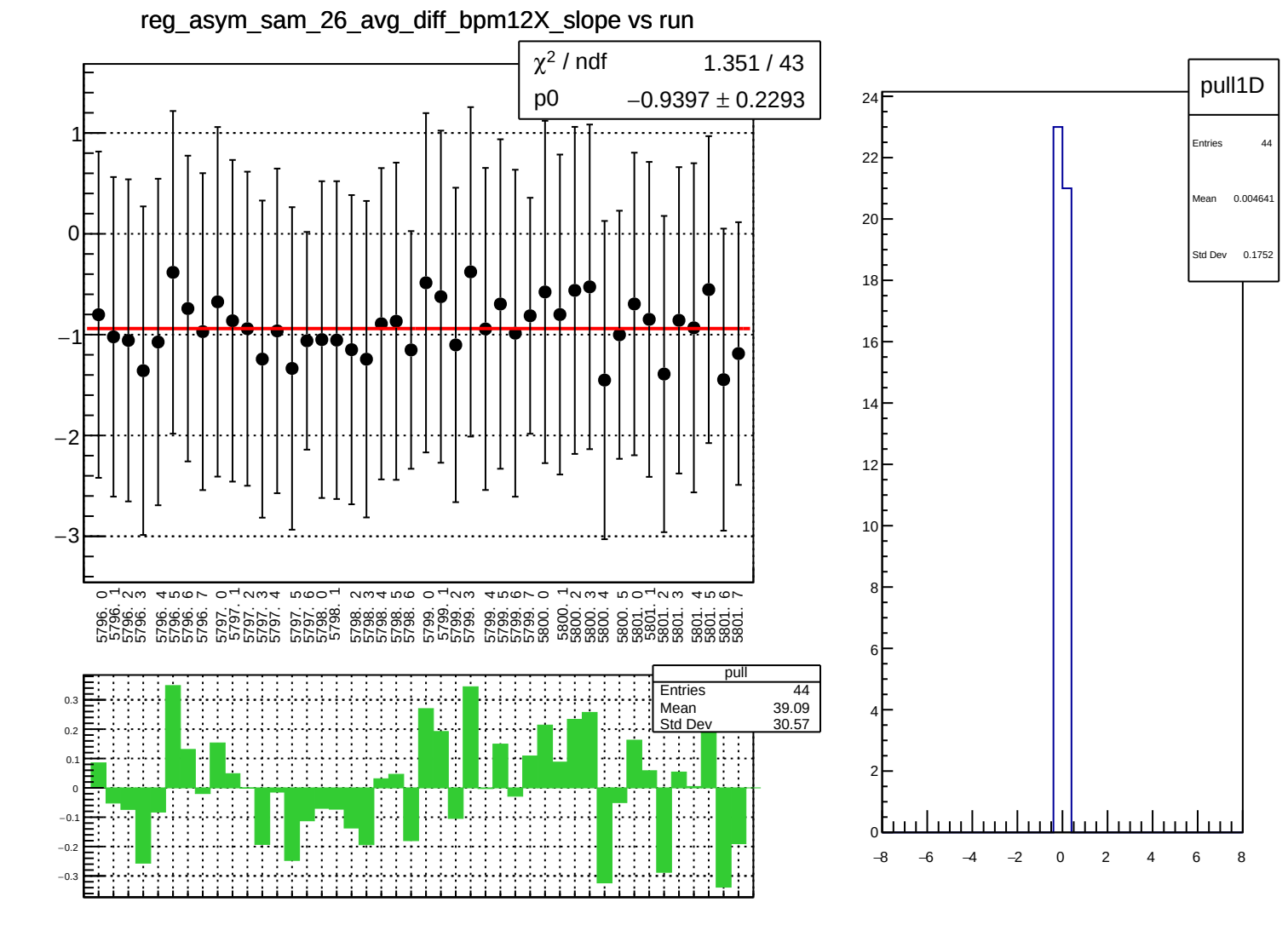

pull1D
Entries 44
Mean −0.007406
Std Dev 0.2538

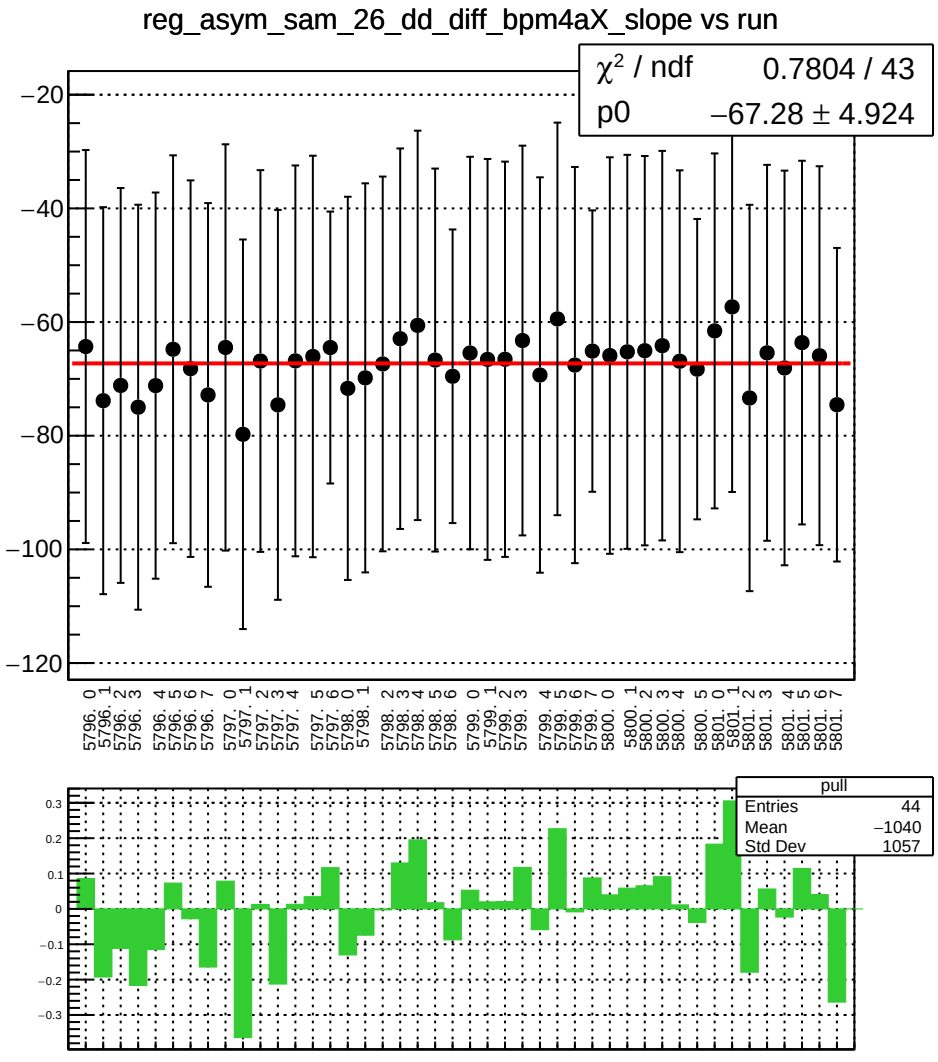

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.7813 / 43
p0 −90.31 ± 4.931
pull
Entries 44
Mean 146.9
Std Dev 139

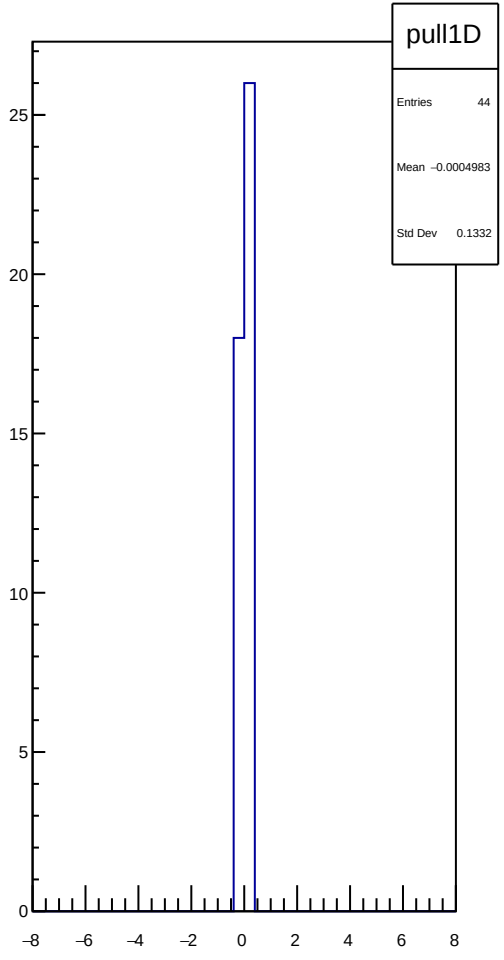

pull1D
Entries 44
Mean −0.001475
Std Dev 0.1332

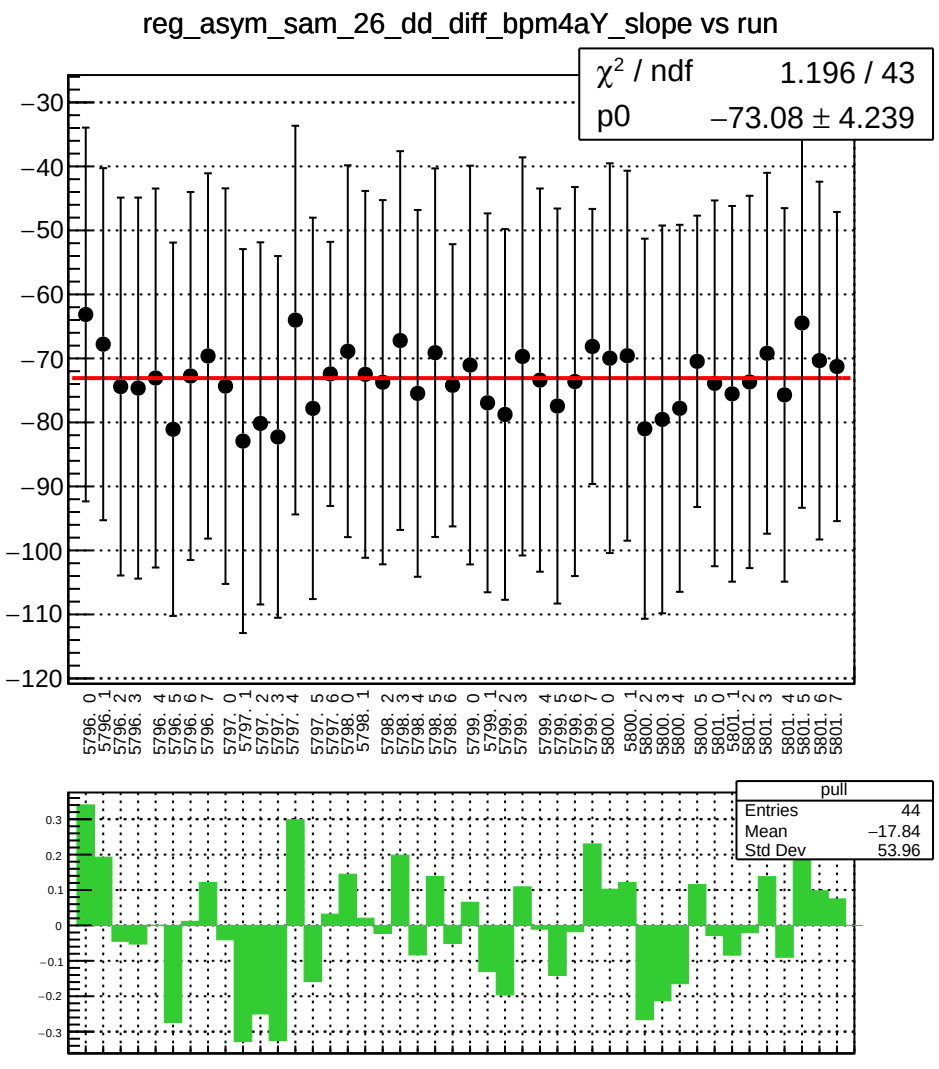

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.482 / 43
p0 −114.2 ± 3.652
pull
Entries 44
Mean −15.92
Std Dev 71.38

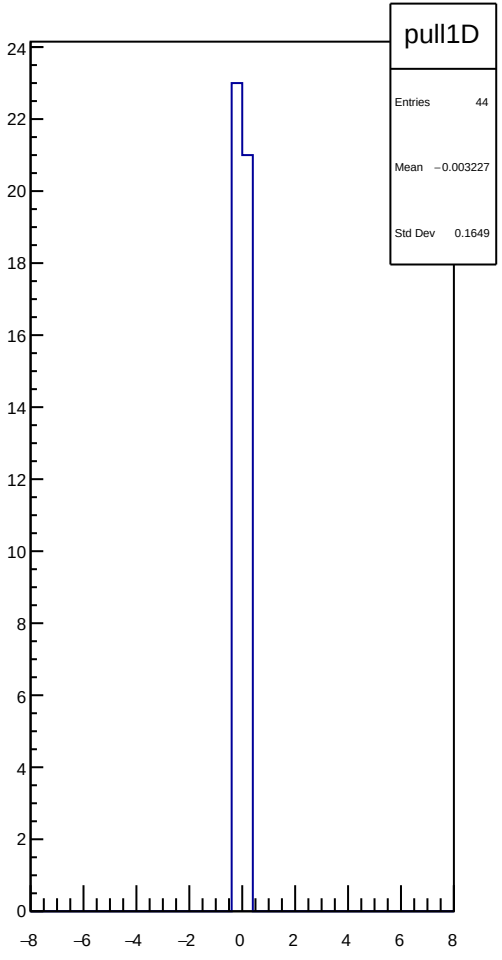

pull1D
Entries 44
Mean 0.003082
Std Dev 0.2375

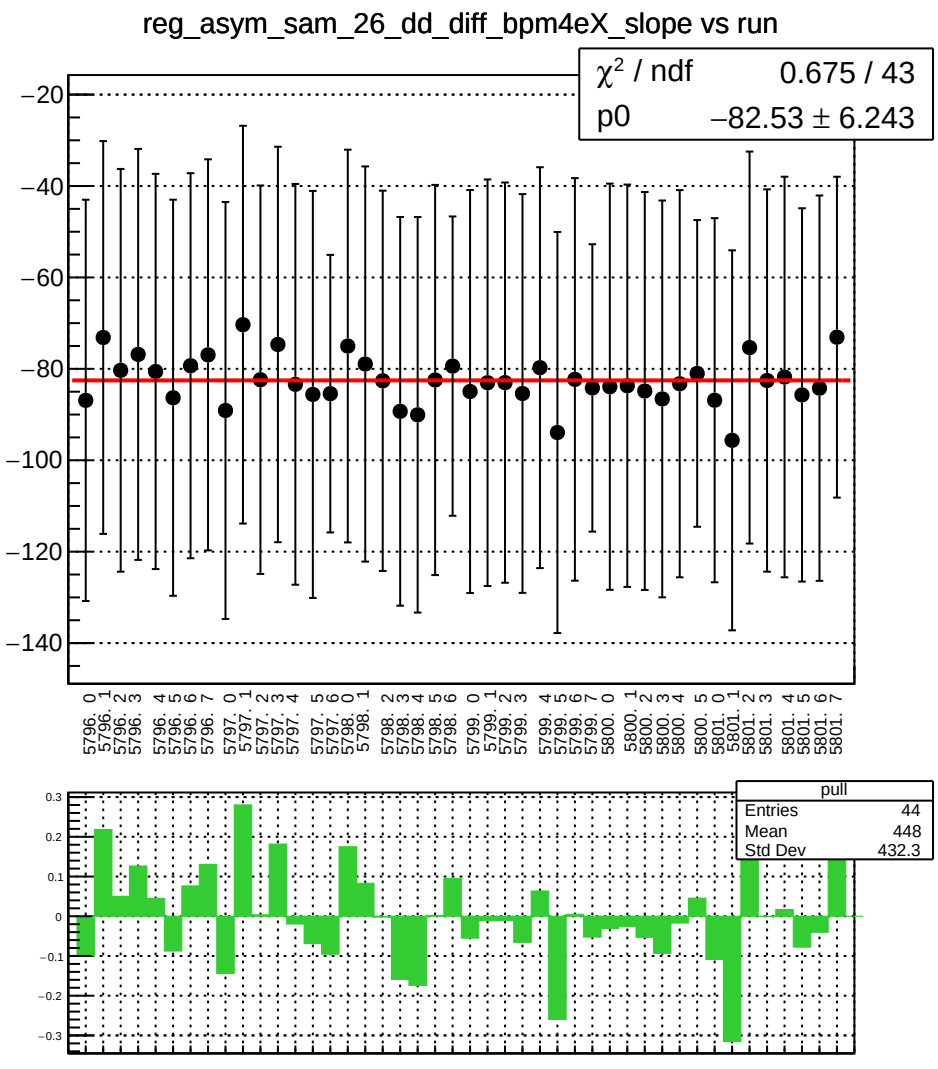

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.351 / 43
p0 −0.9397 ± 0.2293
pull
Entries 44
Mean 39.09
Std Dev 30.57
pull1D
Entries 44
Mean 0.004641
Std Dev 0.1752

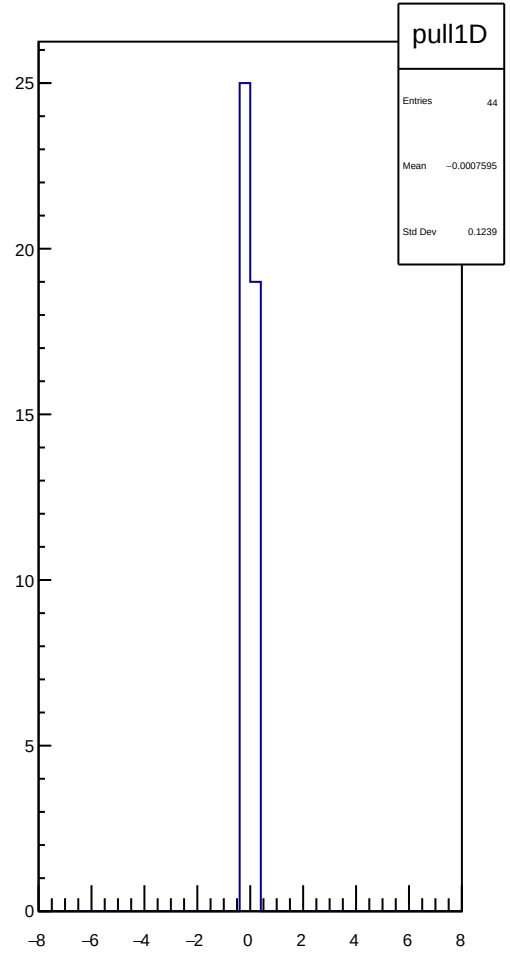

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.7804 / 43
p0 −67.28 ± 4.924
−20
−40
−60
−80
−100
−120
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −1040
Std Dev 1057
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

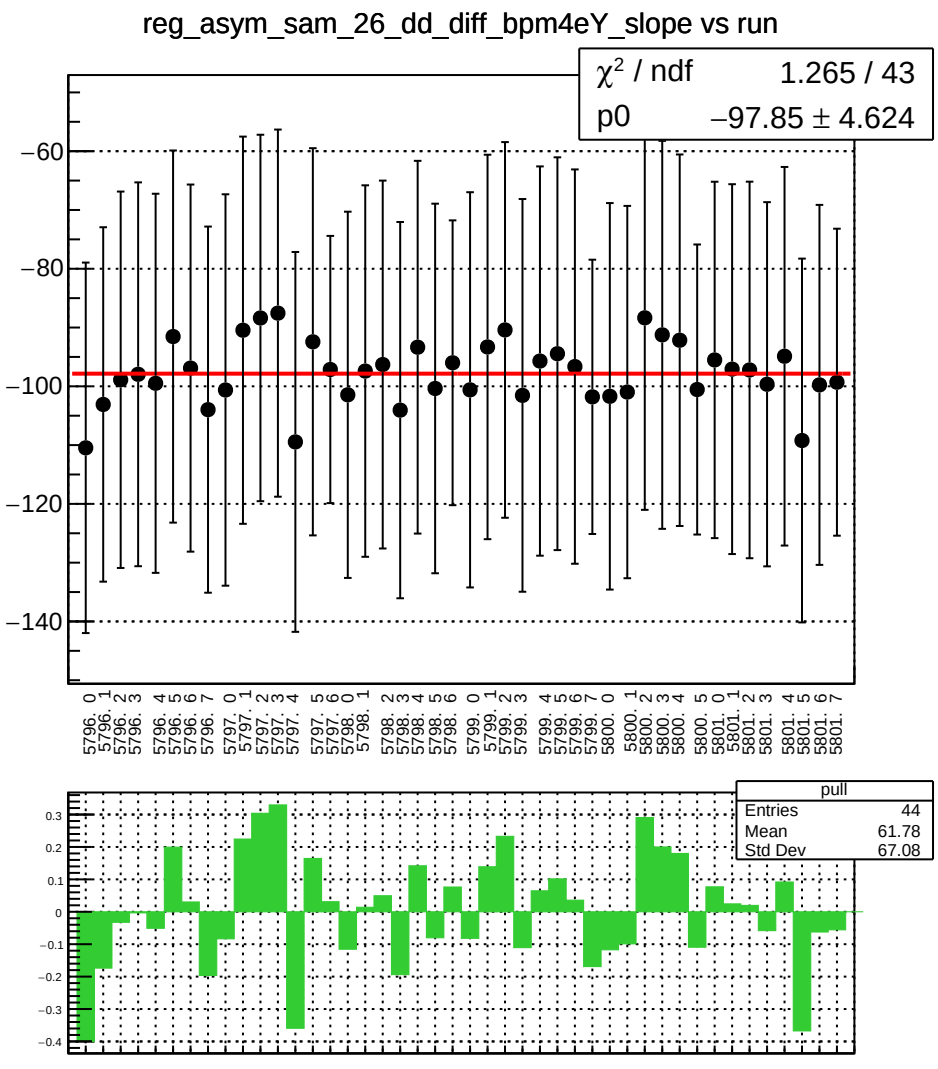

pull1D
Entries 44
Mean −0.0004983
Std Dev 0.1332
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

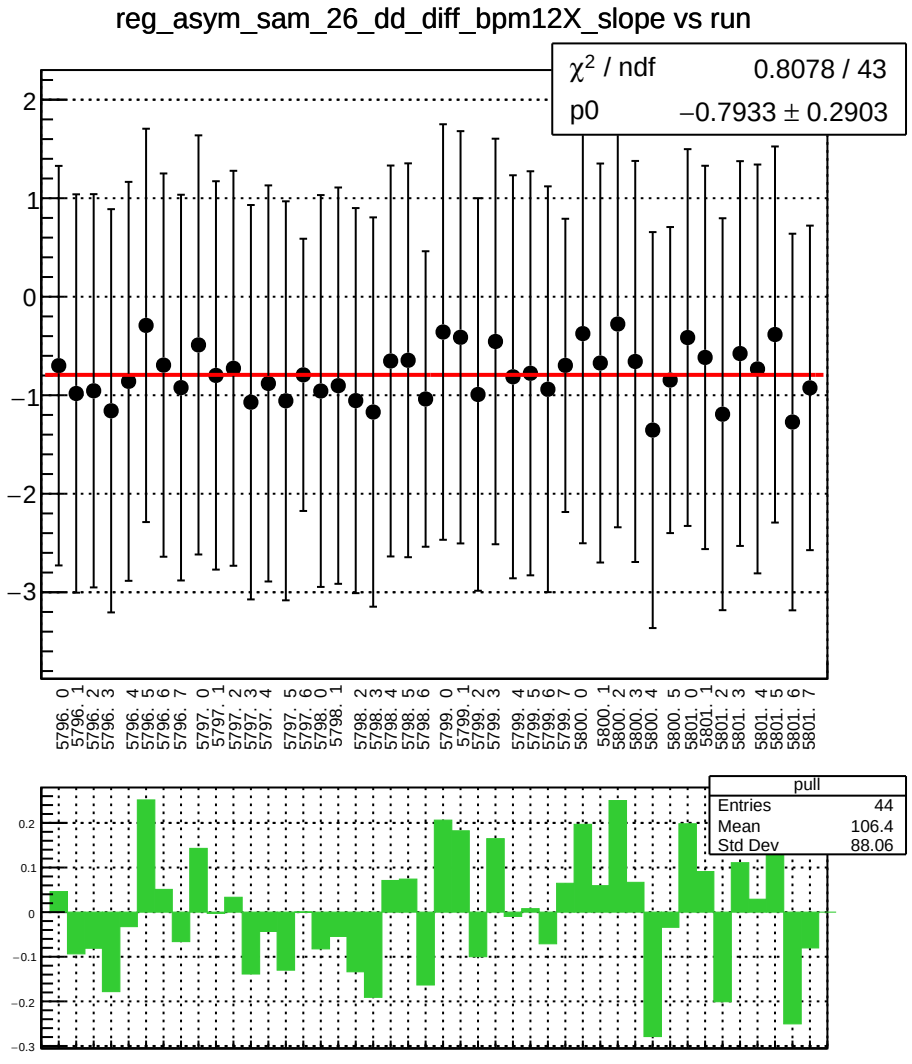

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.196 / 43
p0 −73.08 ± 4.239
pull
Entries 44
Mean −17.84
Std Dev 53.96

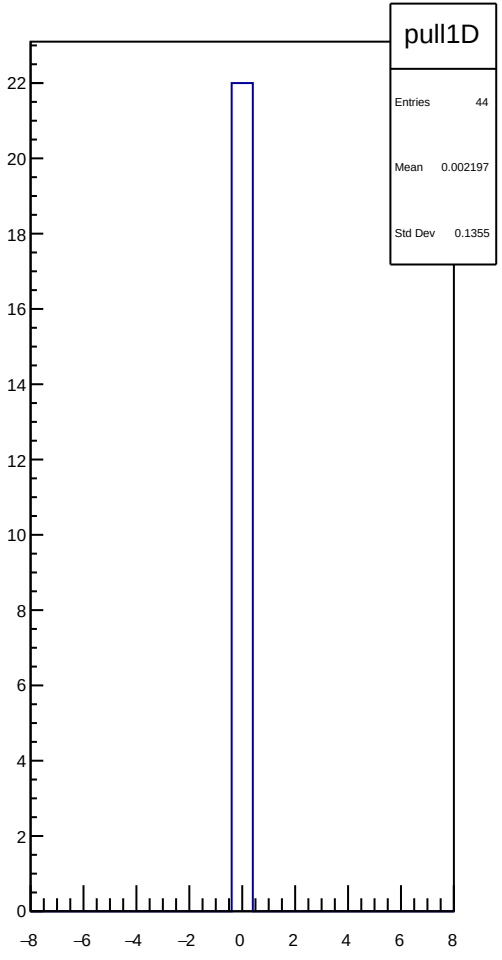

pull1D
Entries 44
Mean −0.003227
Std Dev 0.1649

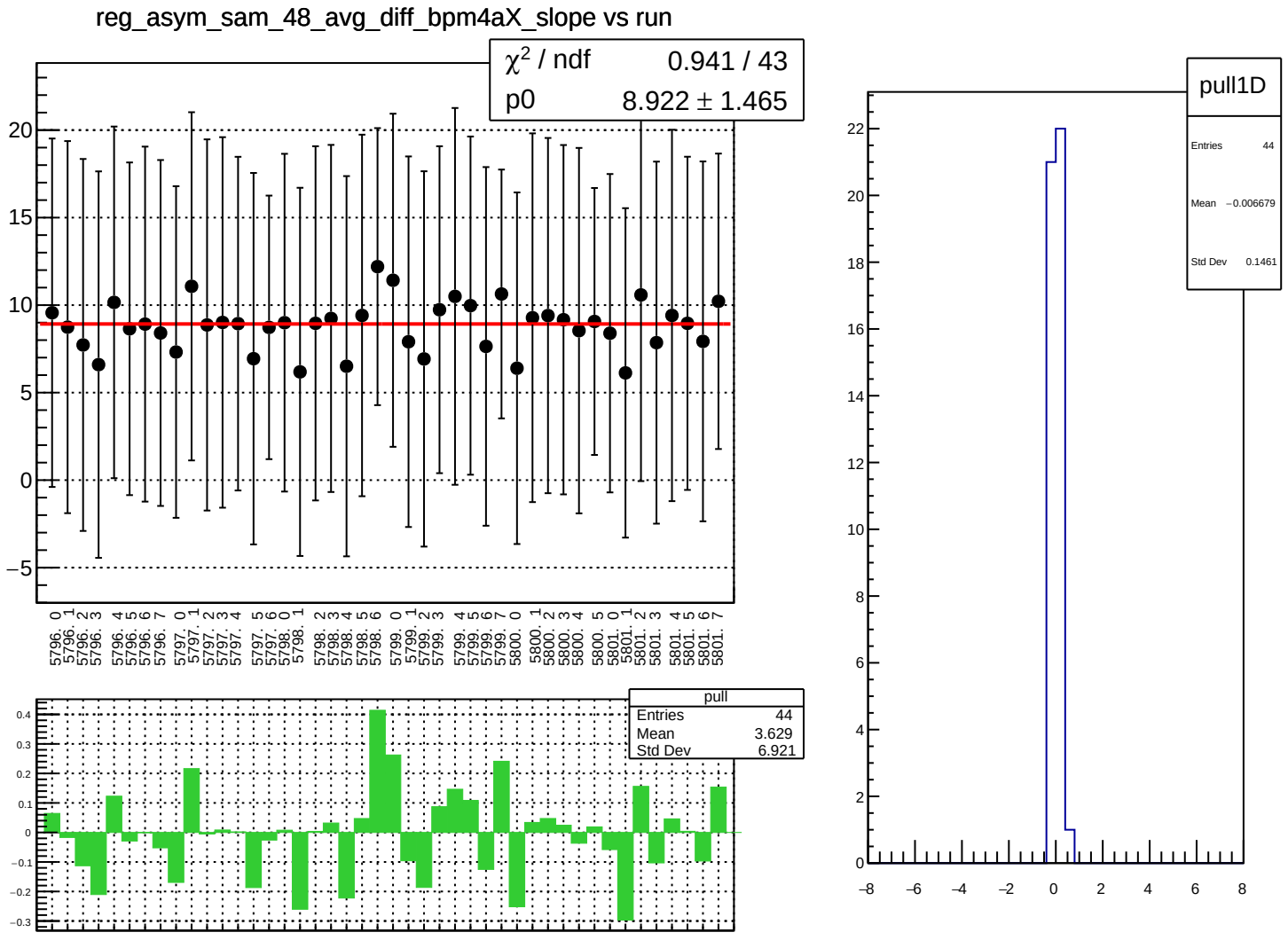

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.675 / 43
p0 −82.53 ± 6.243
pull
Entries 44
Mean 448
Std Dev 432.3

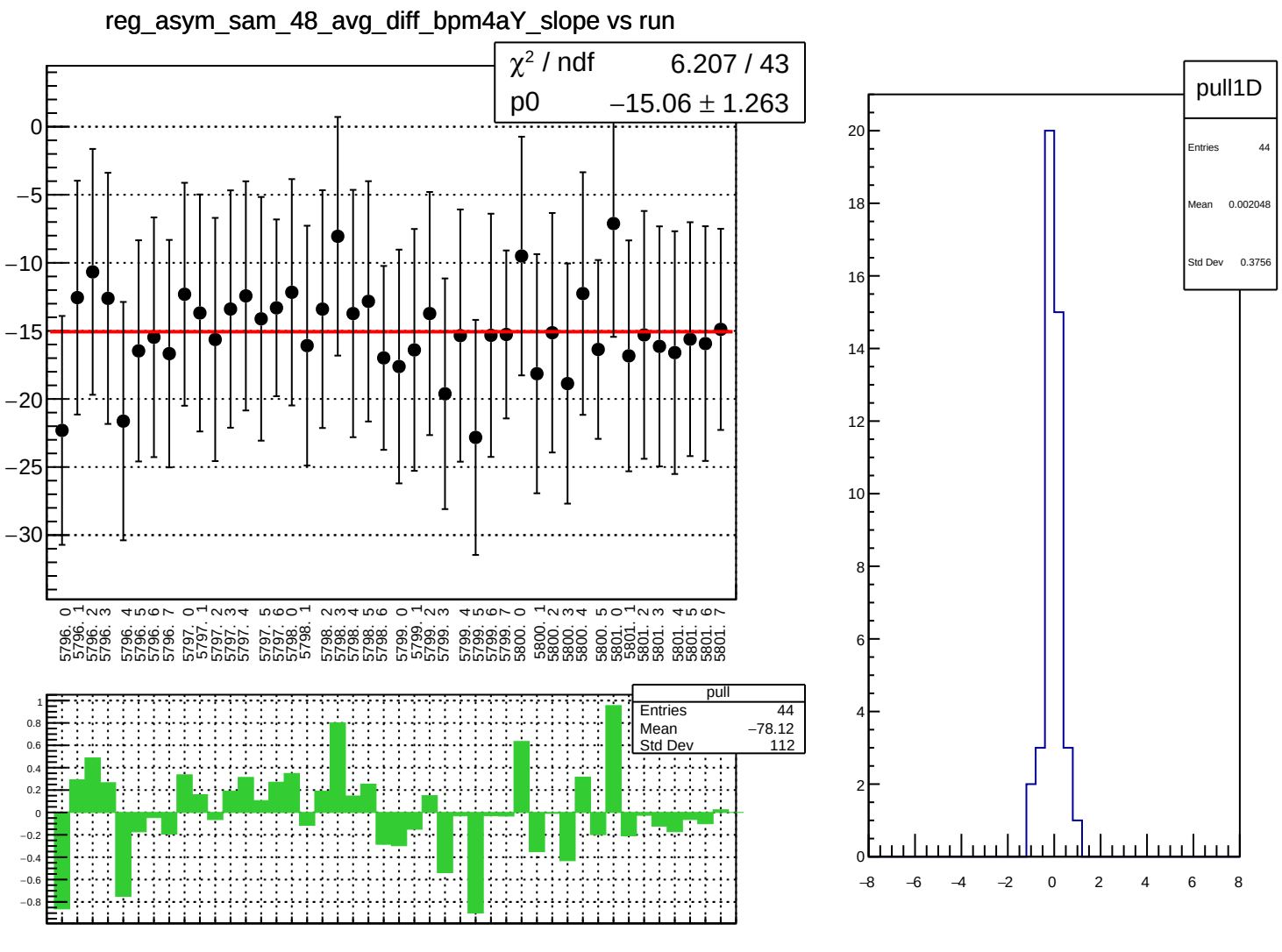

pull1D
Entries 44
Mean −0.0007595
Std Dev 0.1239

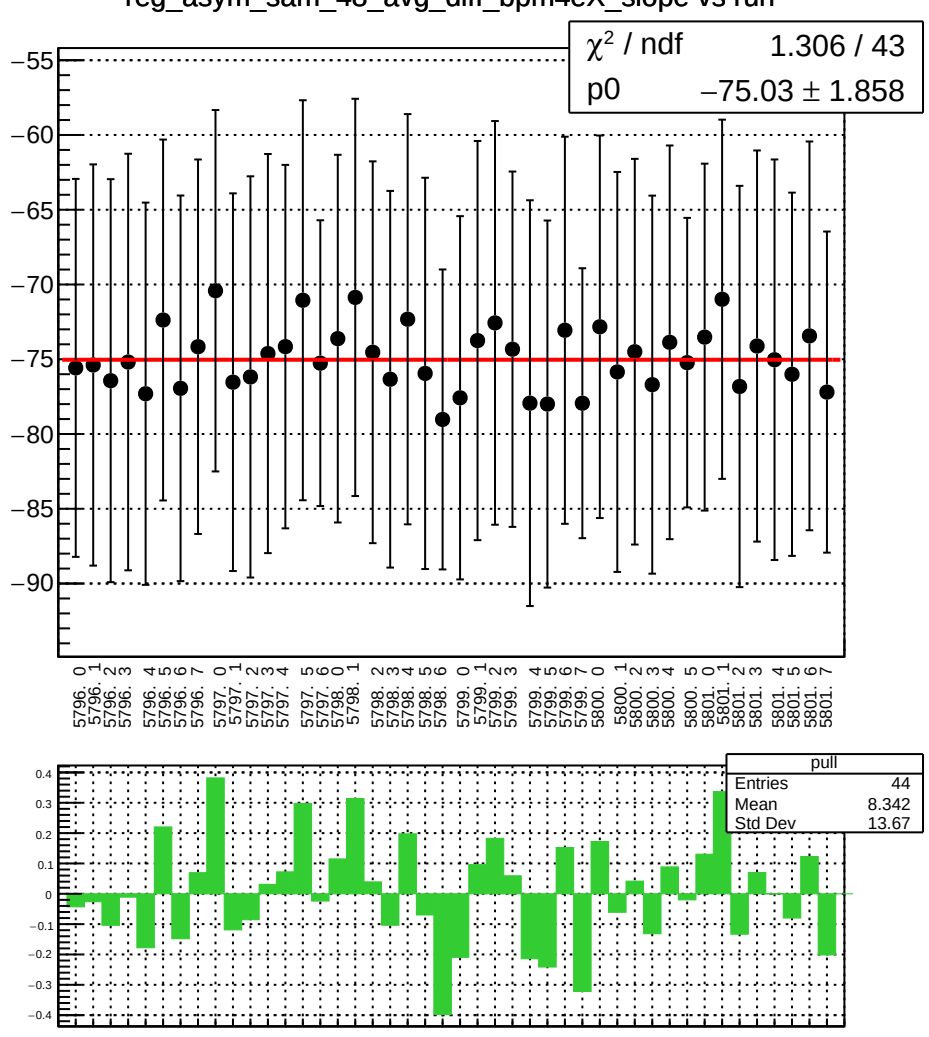

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.265 / 43
p0 −97.85 ± 4.624
−60
−80
−100
−120
−140
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 61.78
Std Dev 67.08
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 44
Mean 0.002329
Std Dev 0.1696
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

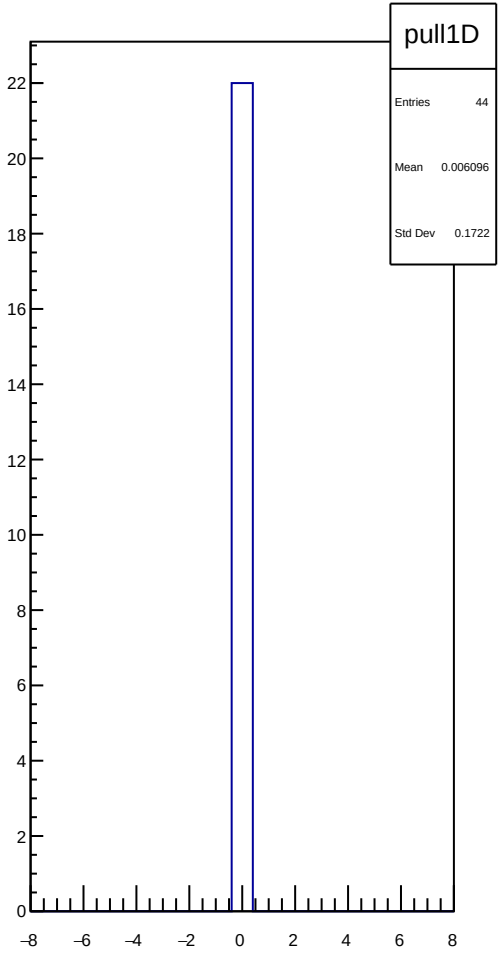

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8078 / 43
p0 −0.7933 ± 0.2903
pull
Entries 44
Mean 106.4
Std Dev 88.06

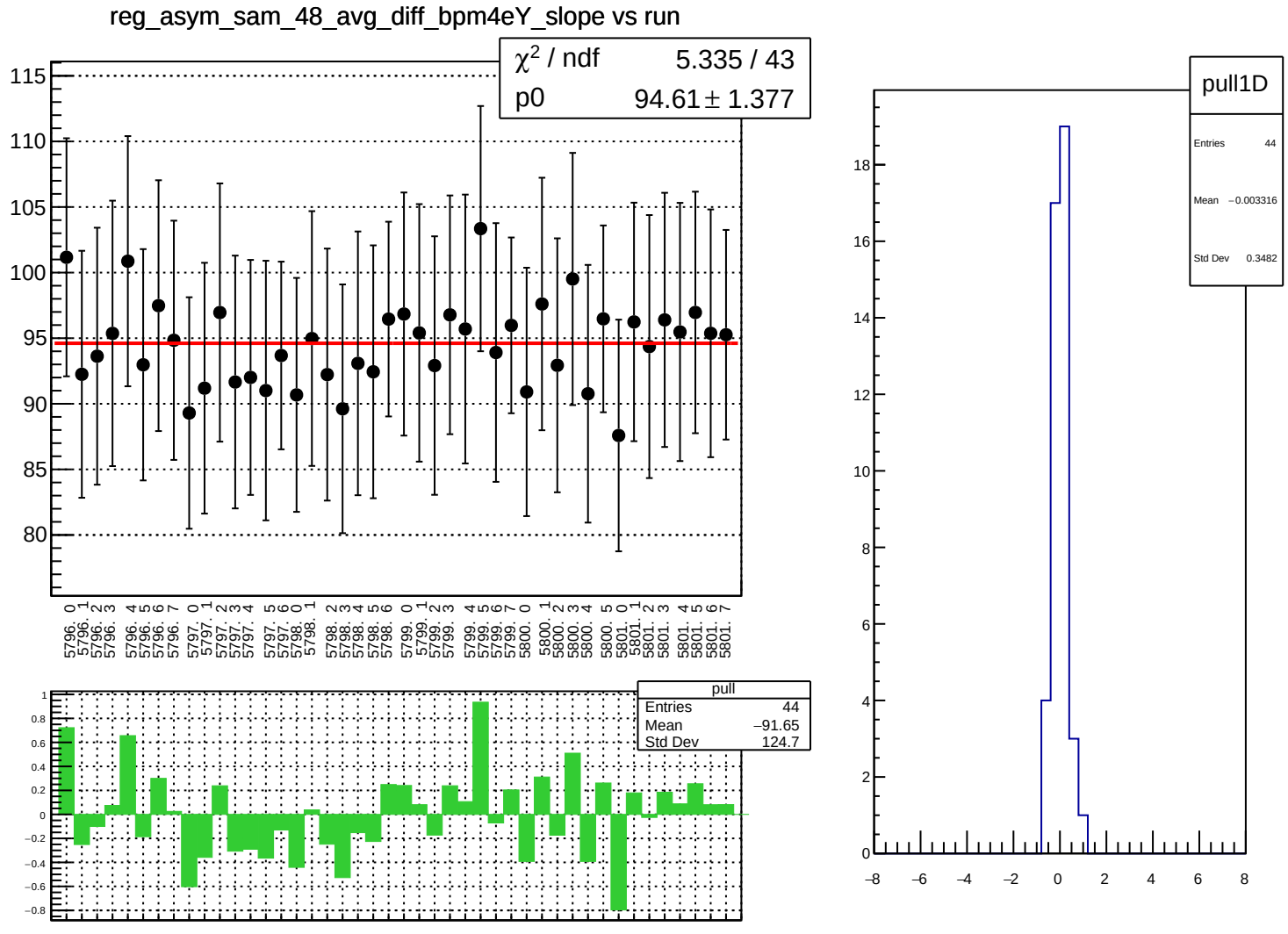

pull1D
Entries 44
Mean 0.002197
Std Dev 0.1355

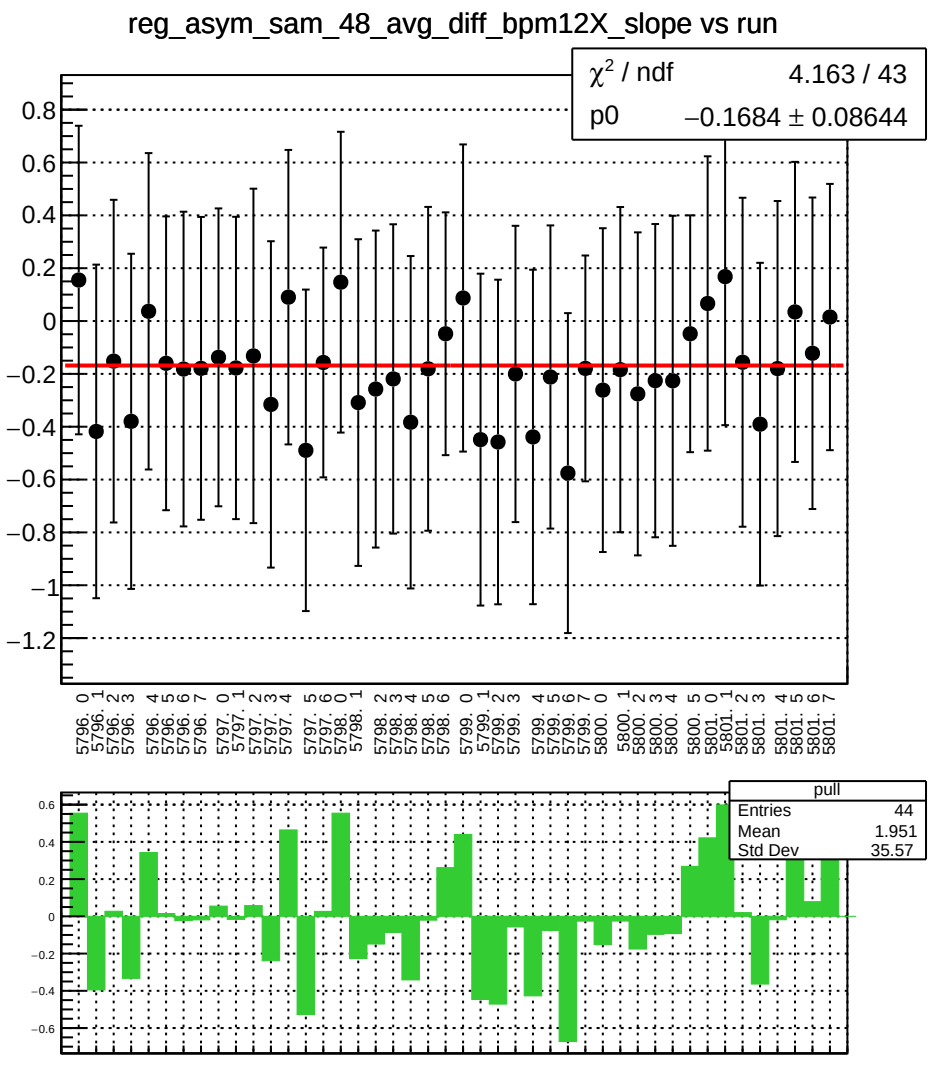

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 0.941 / 43
p0 8.922 ± 1.465
pull
Entries 44
Mean 3.629
Std Dev 6.921
pull1D
Entries 44
Mean −0.006679
Std Dev 0.1461

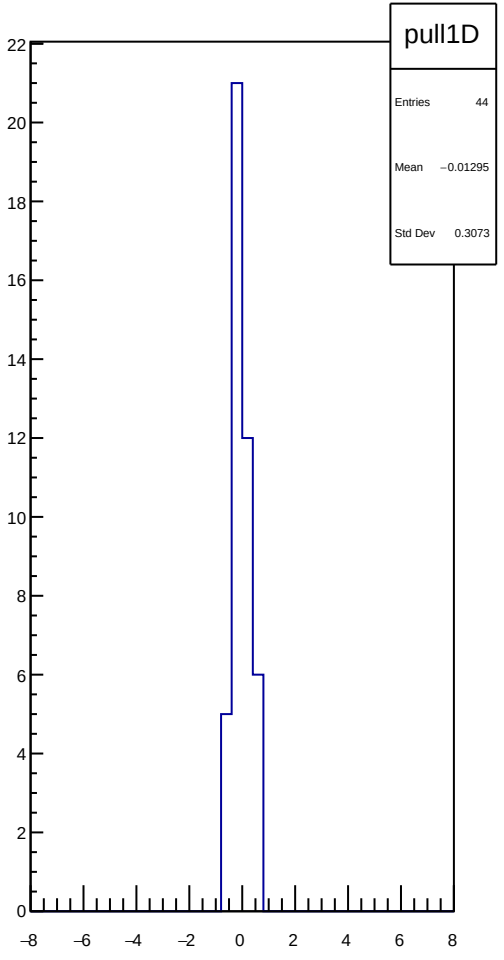

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.207 / 43
p0 −15.06 ± 1.263
pull
Entries 44
Mean −78.12
Std Dev 112
pull1D
Entries 44
Mean 0.002048
Std Dev 0.3756

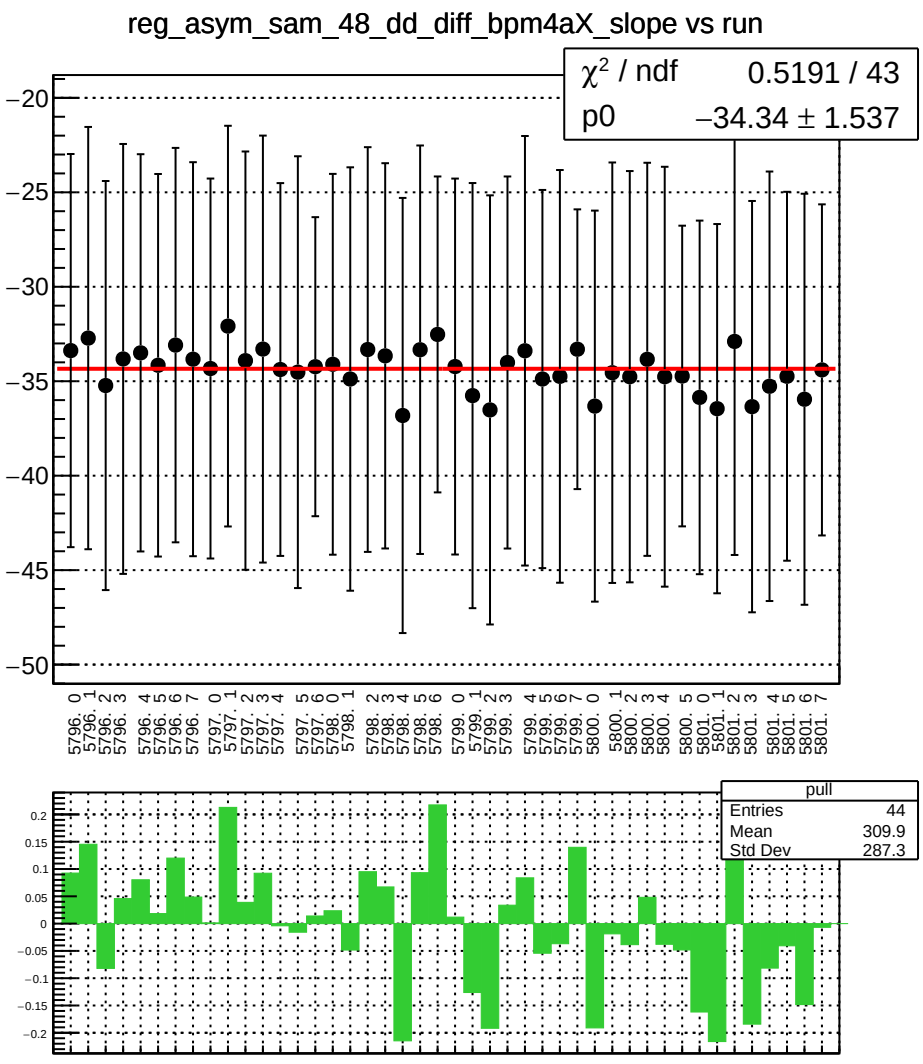

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.306 / 43
p0 −75.03 ± 1.858
pull
Entries 44
Mean 8.342
Std Dev 13.67

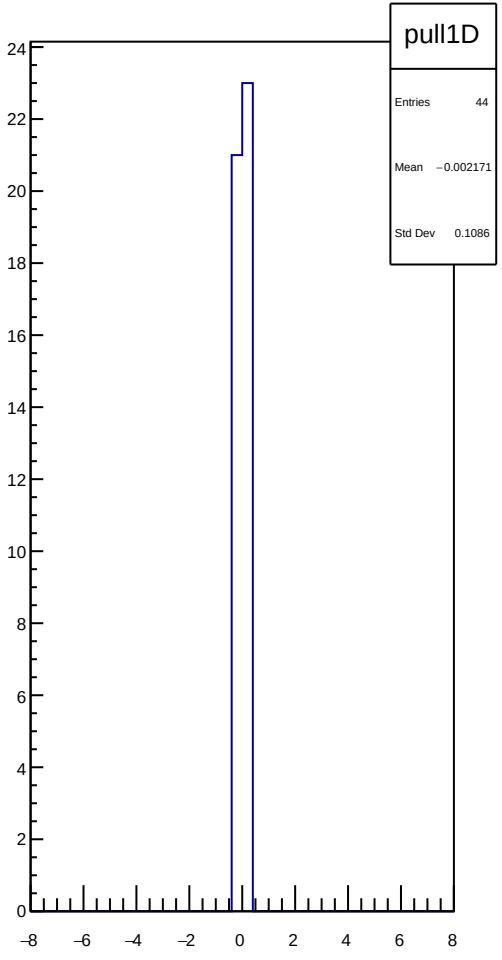

pull1D
Entries 44
Mean 0.006096
Std Dev 0.1722

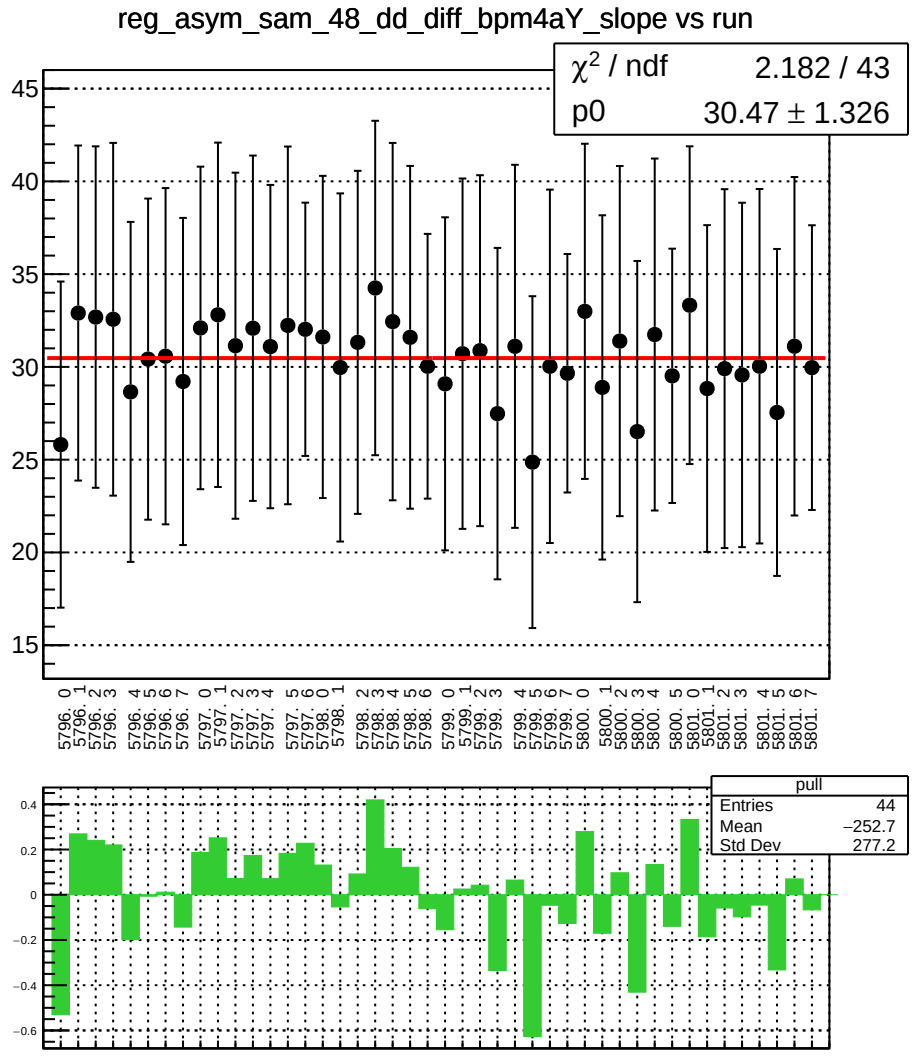

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.335 / 43
p0 94.61 ± 1.377
pull
Entries 44
Mean −91.65
Std Dev 124.7
pull1D
Entries 44
Mean −0.003316
Std Dev 0.3482

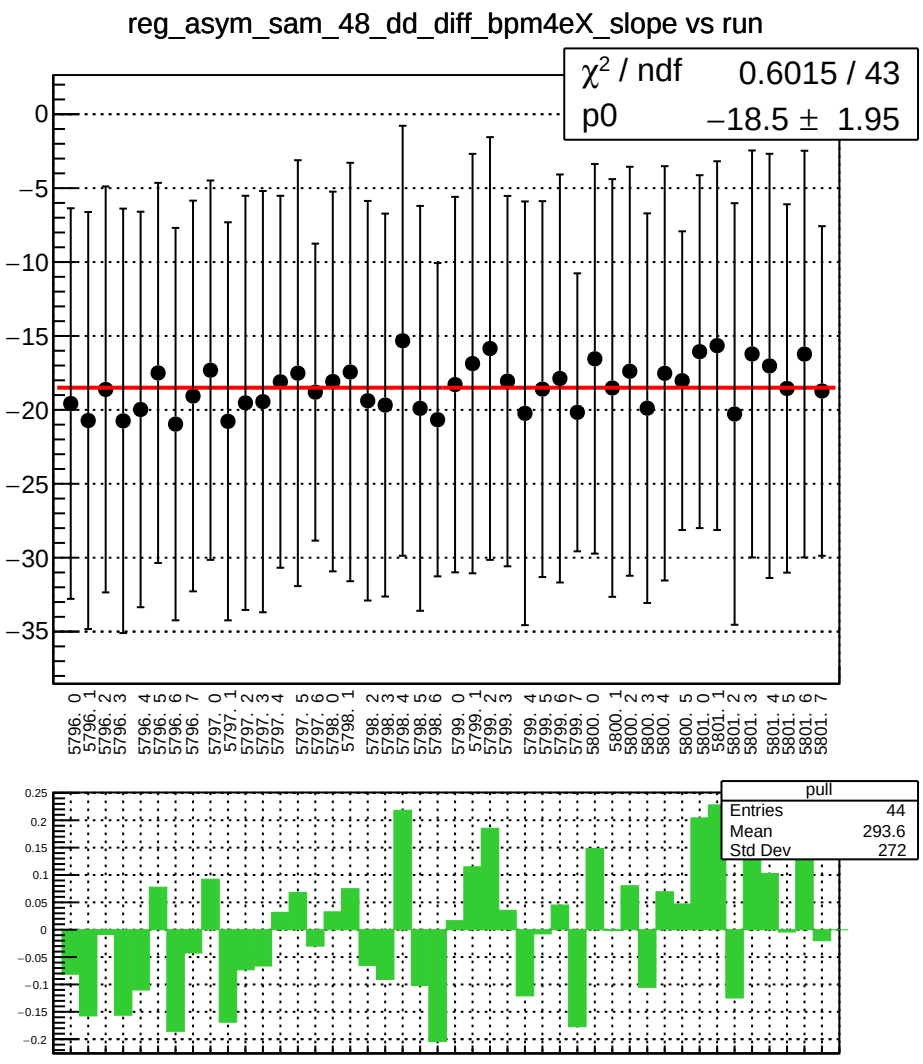

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 4.163 / 43
p0 −0.1684 ± 0.08644
pull
Entries 44
Mean 1.951
Std Dev 35.57

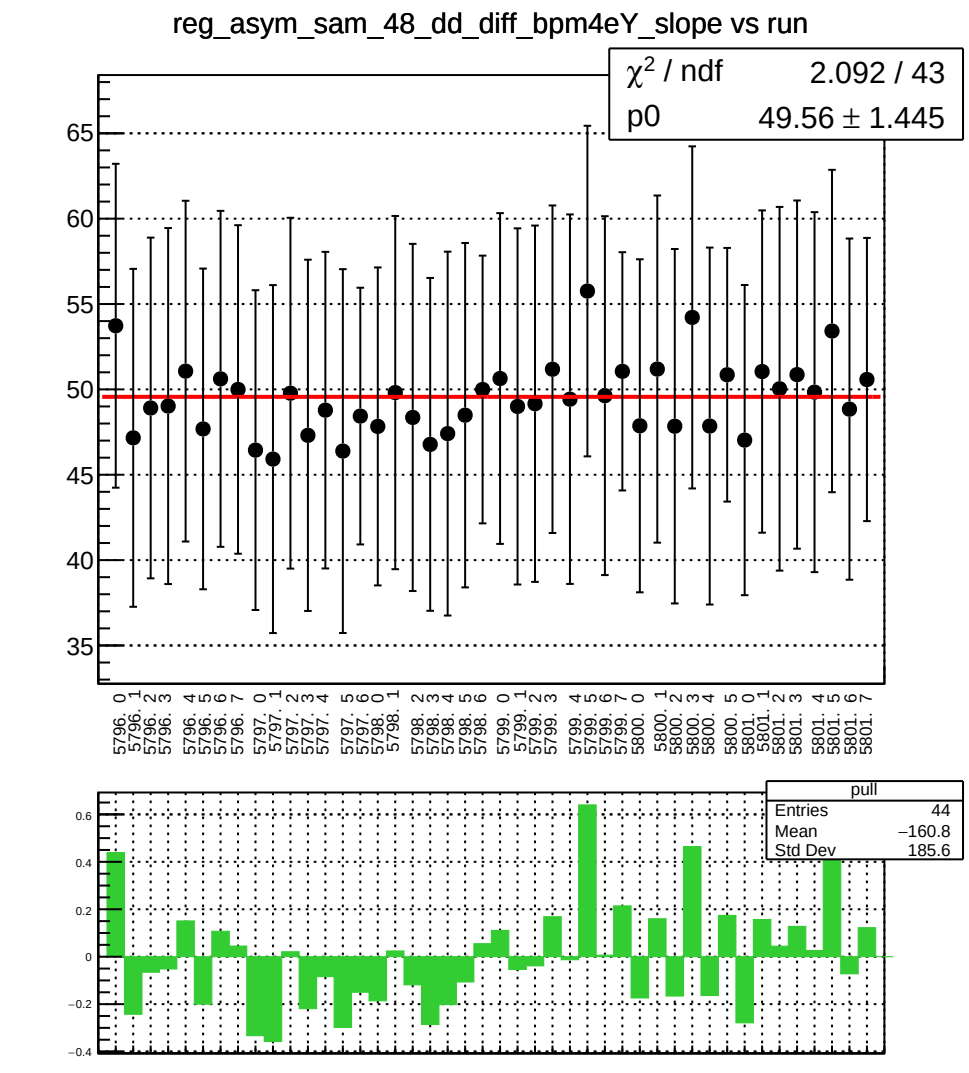

pull1D
Entries 44
Mean −0.01295
Std Dev 0.3073

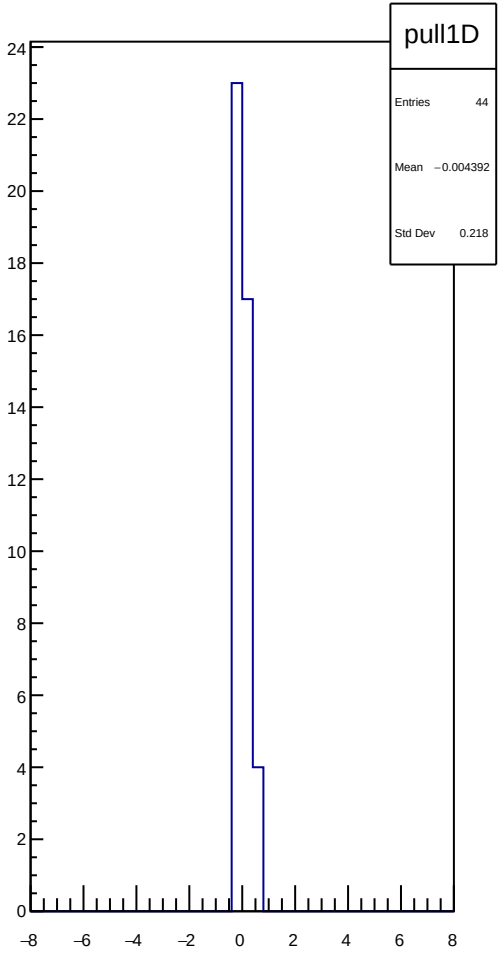

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.5191 / 43
p0 −34.34 ± 1.537
pull
Entries 44
Mean 309.9
Std Dev 287.3

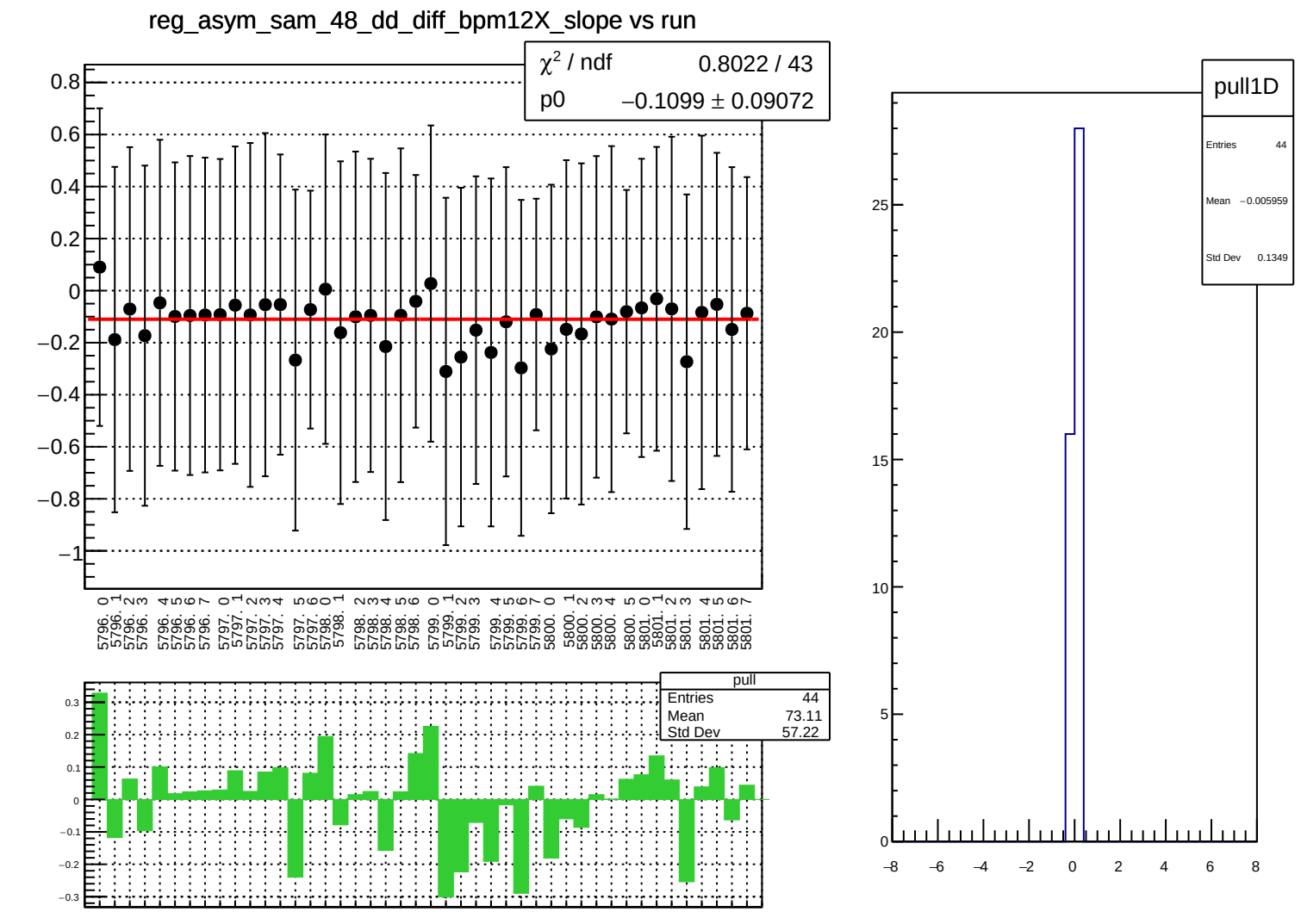

pull1D
Entries 44
Mean −0.002171
Std Dev 0.1086

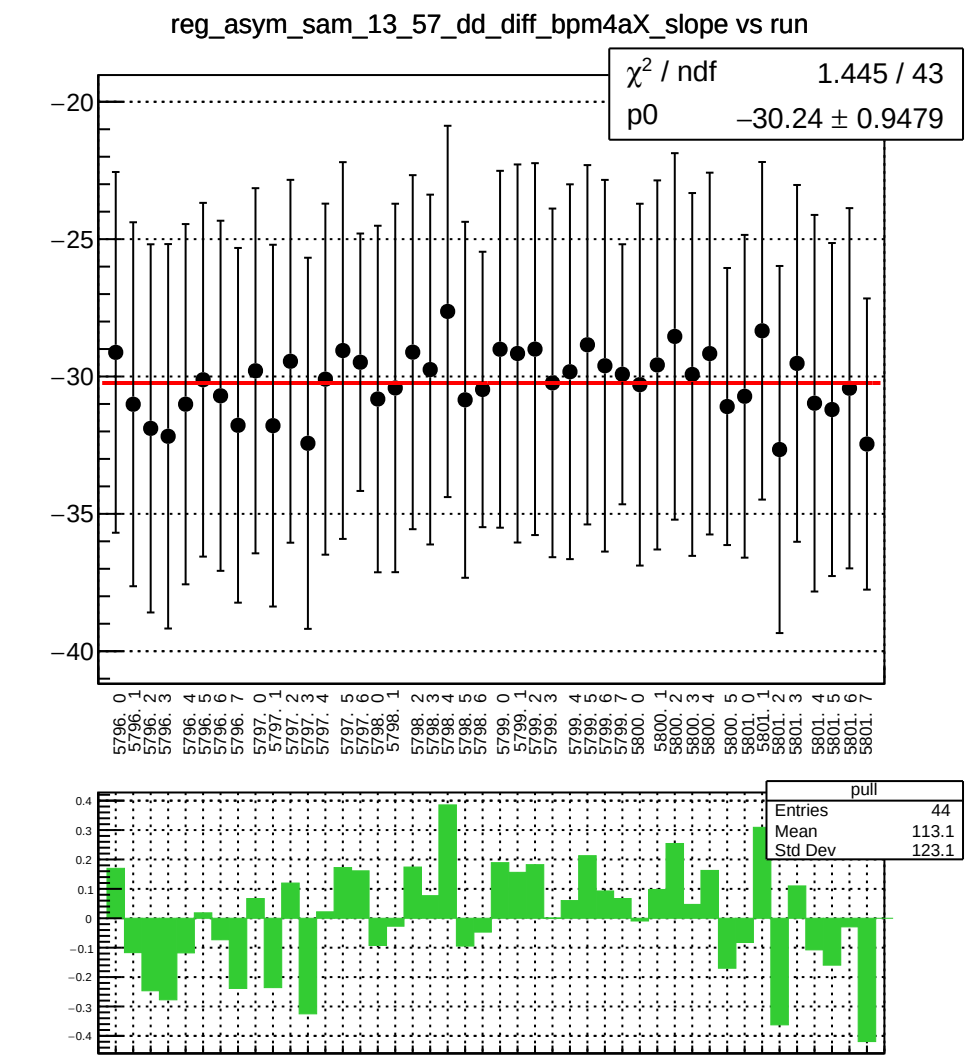

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.182 / 43
p0 30.47 ± 1.326
45
40
35
30
25
20
15
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −252.7
Std Dev 277.2
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 44
Mean 0.002458
Std Dev 0.2227
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

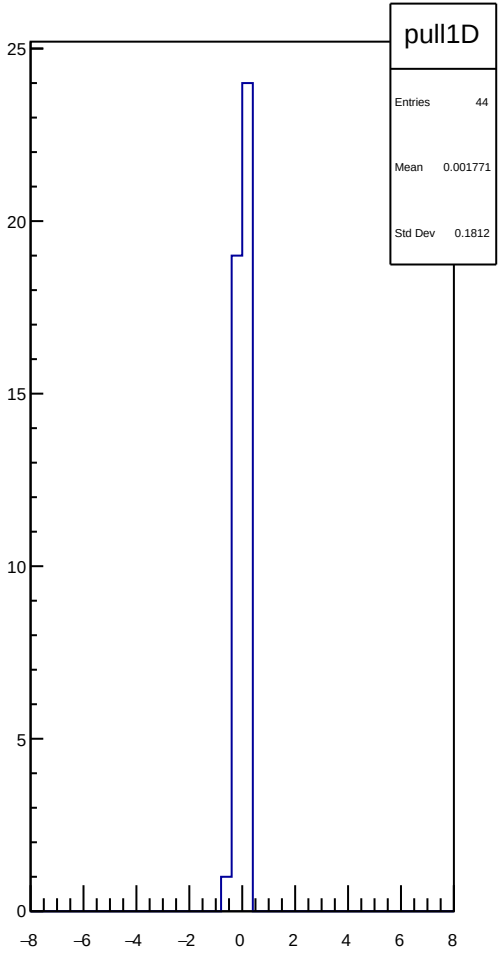

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6015 / 43
p0 −18.5 ± 1.95
0
−5
−10
−15
−20
−25
−30
−35
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 44
Mean 293.6
Std Dev 272
pull1D
Entries 44
Mean 0.002281
Std Dev 0.1169
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

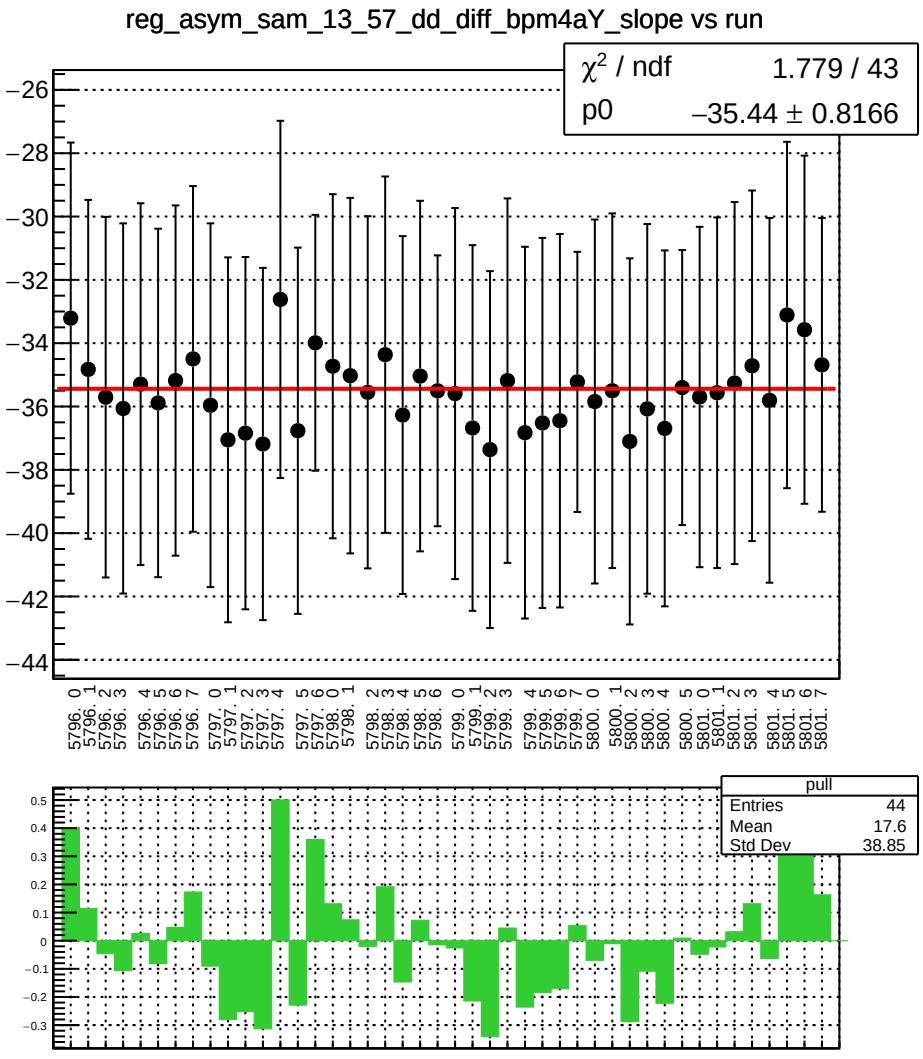

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.092 / 43
p0 49.56 ± 1.445
65
60
55
50
45
40
35
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −160.8
Std Dev 185.6
0.6
0.4
0.2
0
−0.2
−0.4

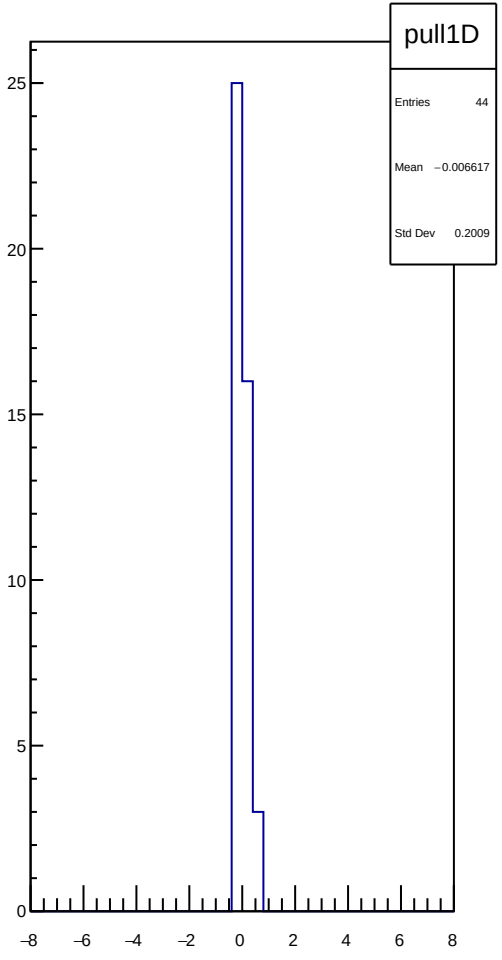

pull1D
Entries 44
Mean −0.004392
Std Dev 0.218
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

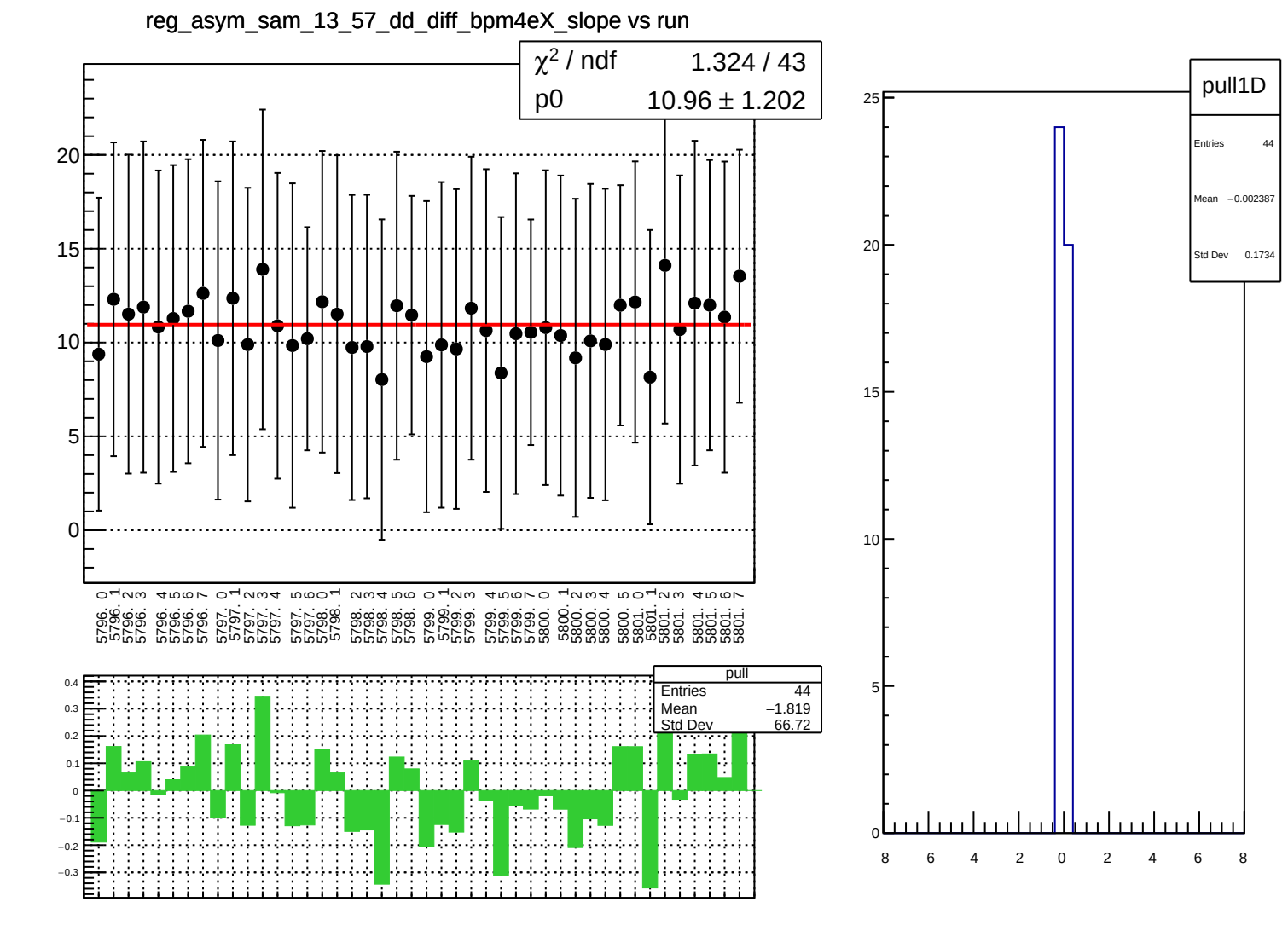

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8022 / 43
p0 −0.1099 ± 0.09072
pull
Entries 44
Mean 73.11
Std Dev 57.22
pull1D
Entries 44
Mean −0.005959
Std Dev 0.1349

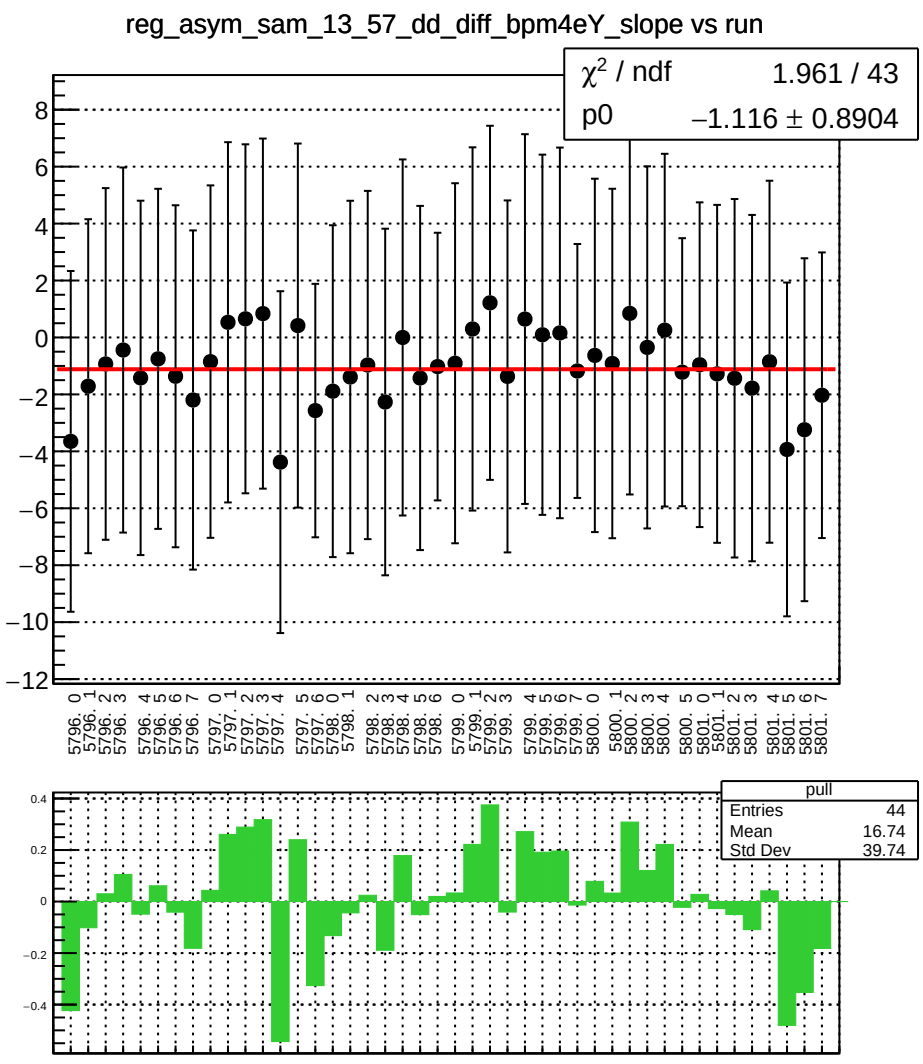

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.445 / 43
p0 −30.24 ± 0.9479
pull
Entries 44
Mean 113.1
Std Dev 123.1

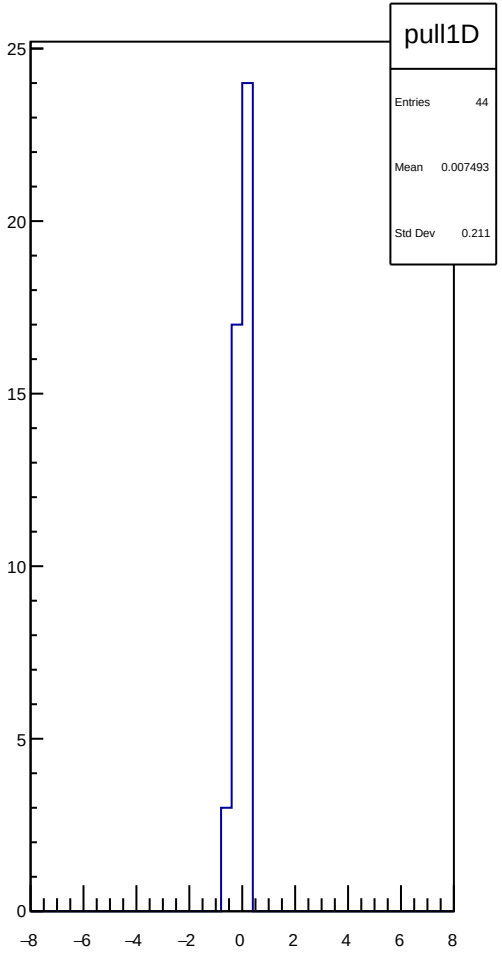

pull1D
Entries 44
Mean 0.001771
Std Dev 0.1812

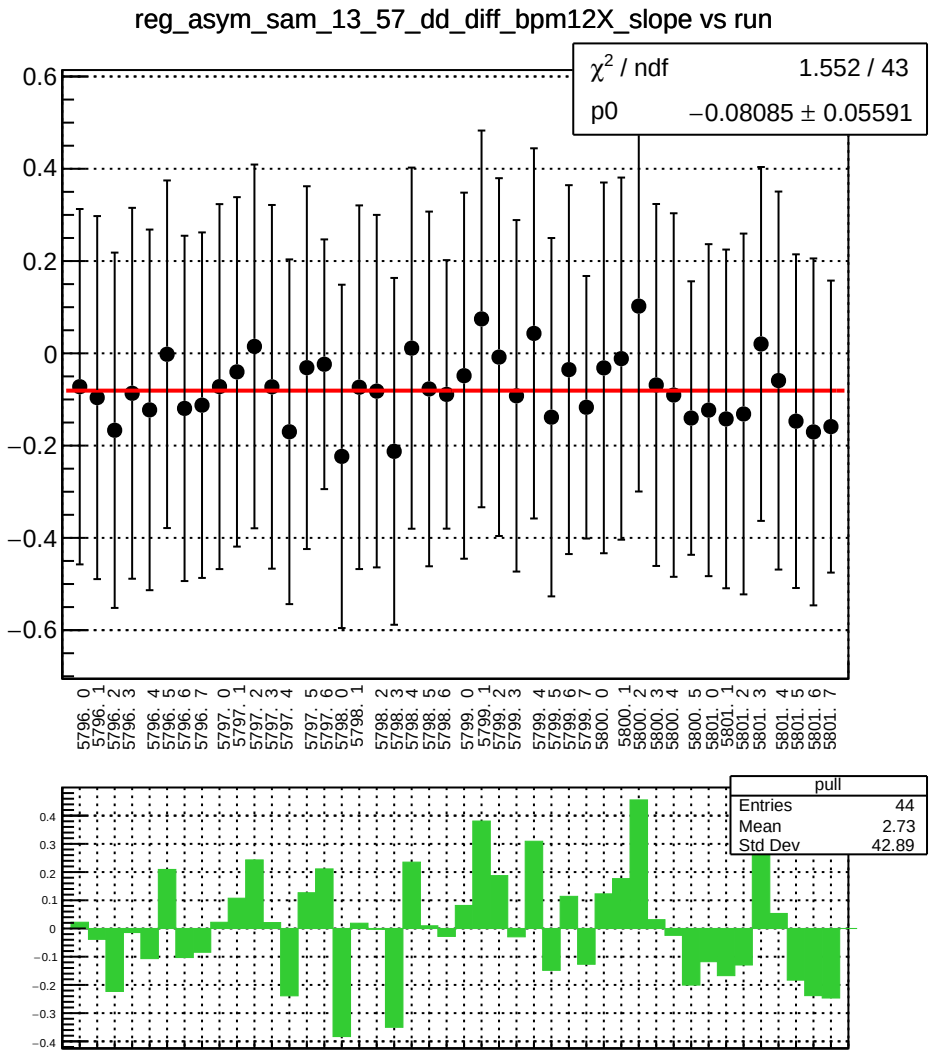

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.779 / 43
p0 −35.44 ± 0.8166
pull
Entries 44
Mean 17.6
Std Dev 38.85

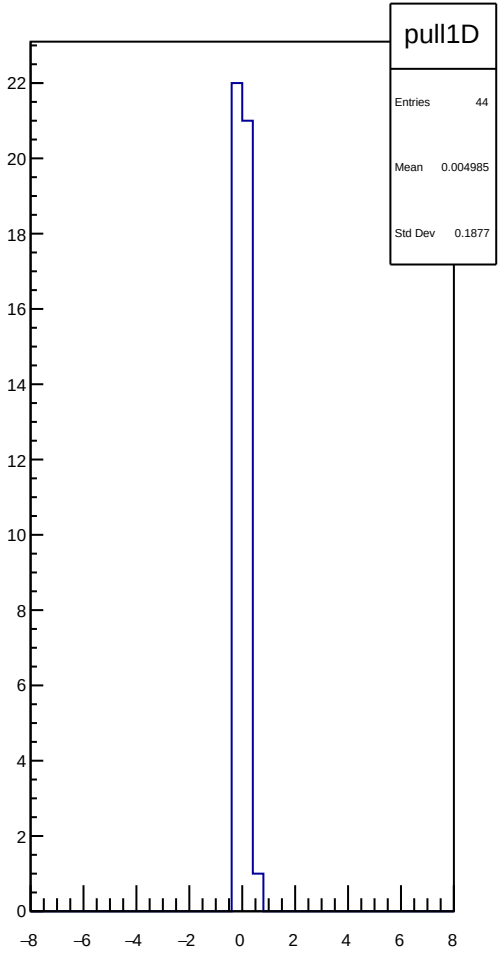

pull1D
Entries 44
Mean −0.006617
Std Dev 0.2009

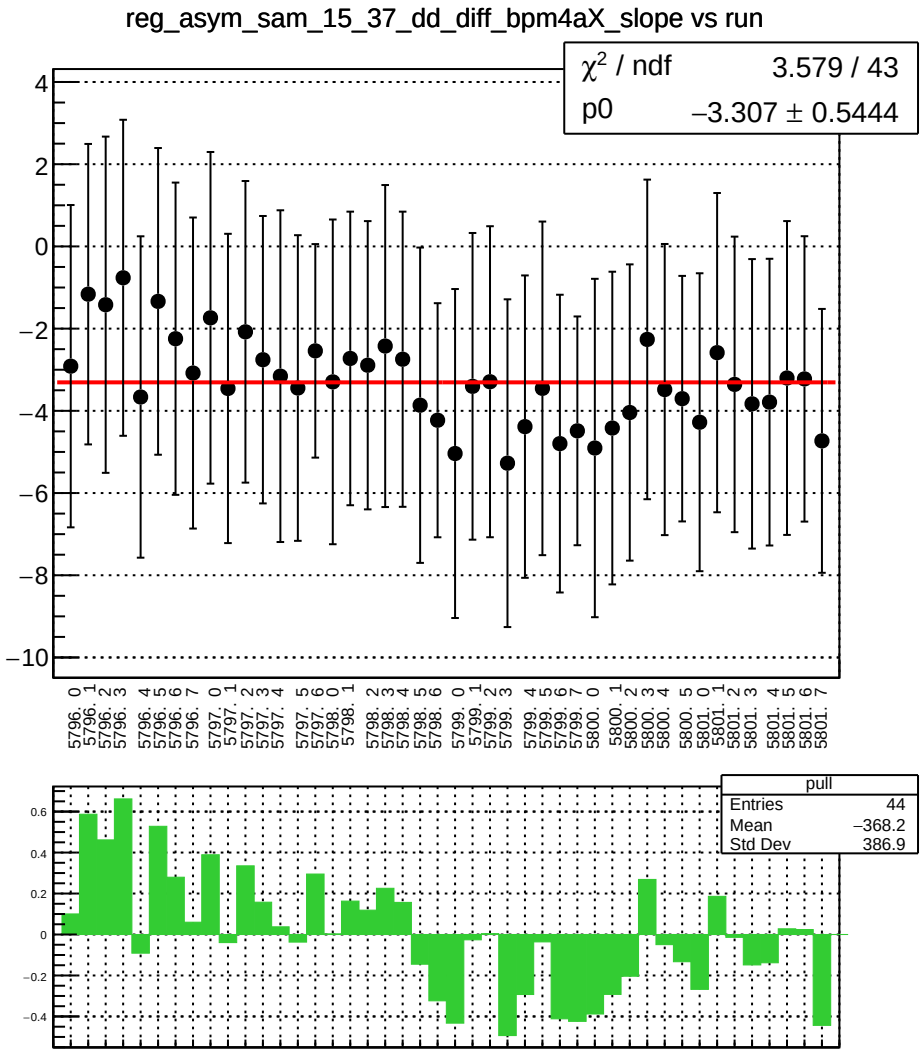

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.324 / 43
p0 10.96 ± 1.202
pull
Entries 44
Mean −1.819
Std Dev 66.72
pull1D
Entries 44
Mean −0.002387
Std Dev 0.1734

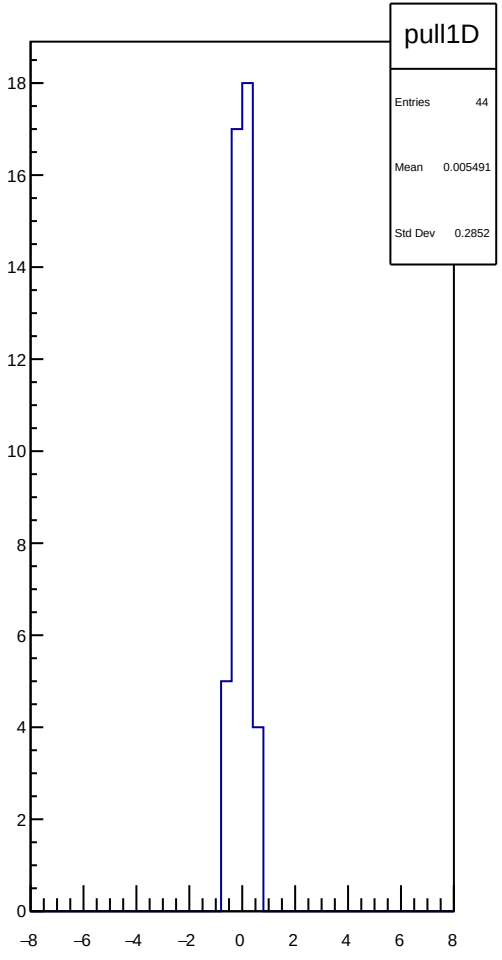

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.961 / 43
p0 −1.116 ± 0.8904
pull
Entries 44
Mean 16.74
Std Dev 39.74

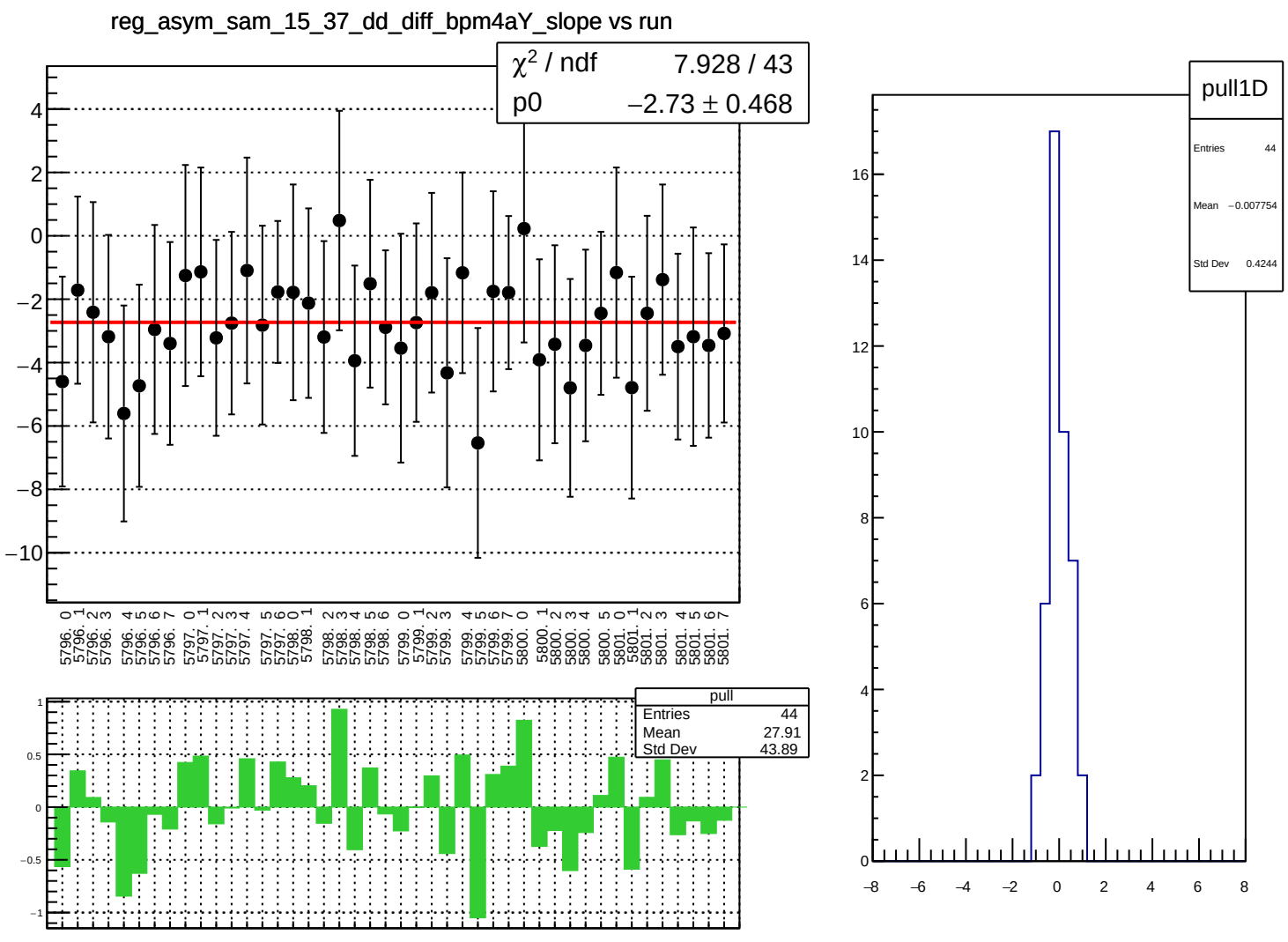

pull1D
Entries 44
Mean 0.007493
Std Dev 0.211

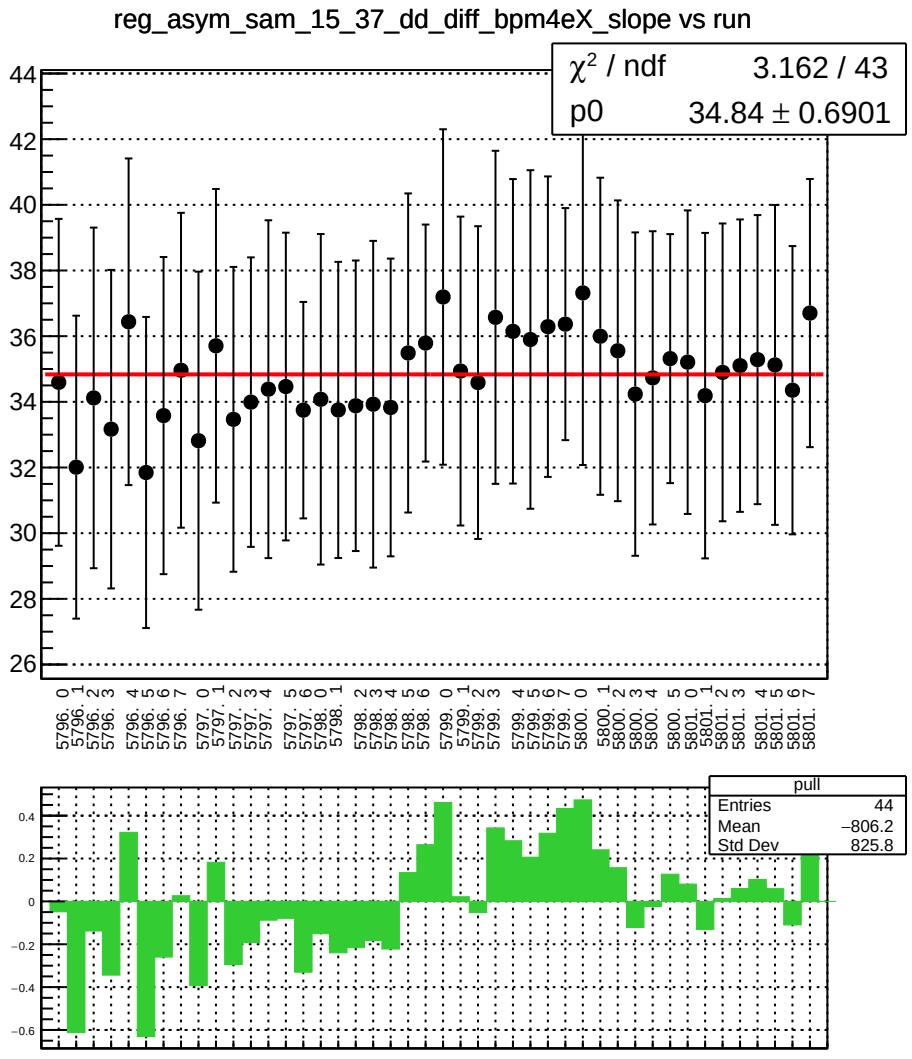

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.552 / 43
p0 −0.08085 ± 0.05591
pull
Entries 44
Mean 2.73
Std Dev 42.89

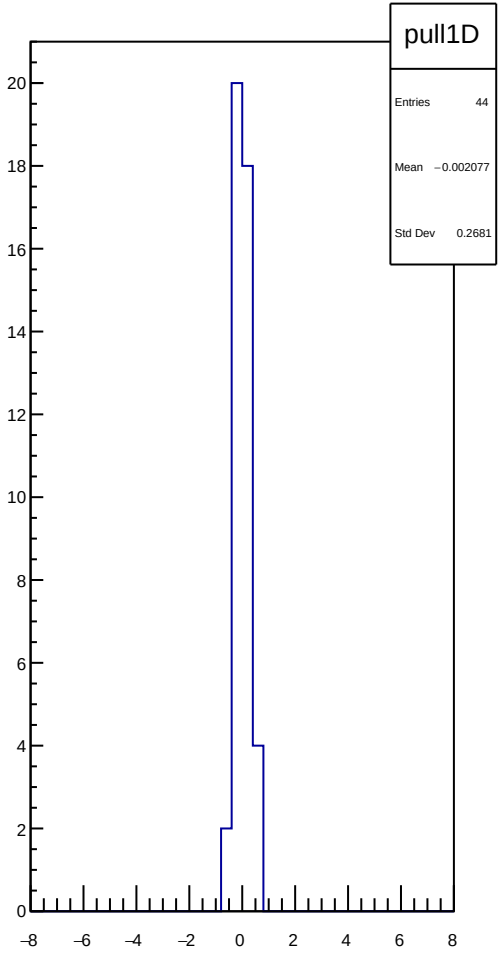

pull1D
Entries 44
Mean 0.004985
Std Dev 0.1877

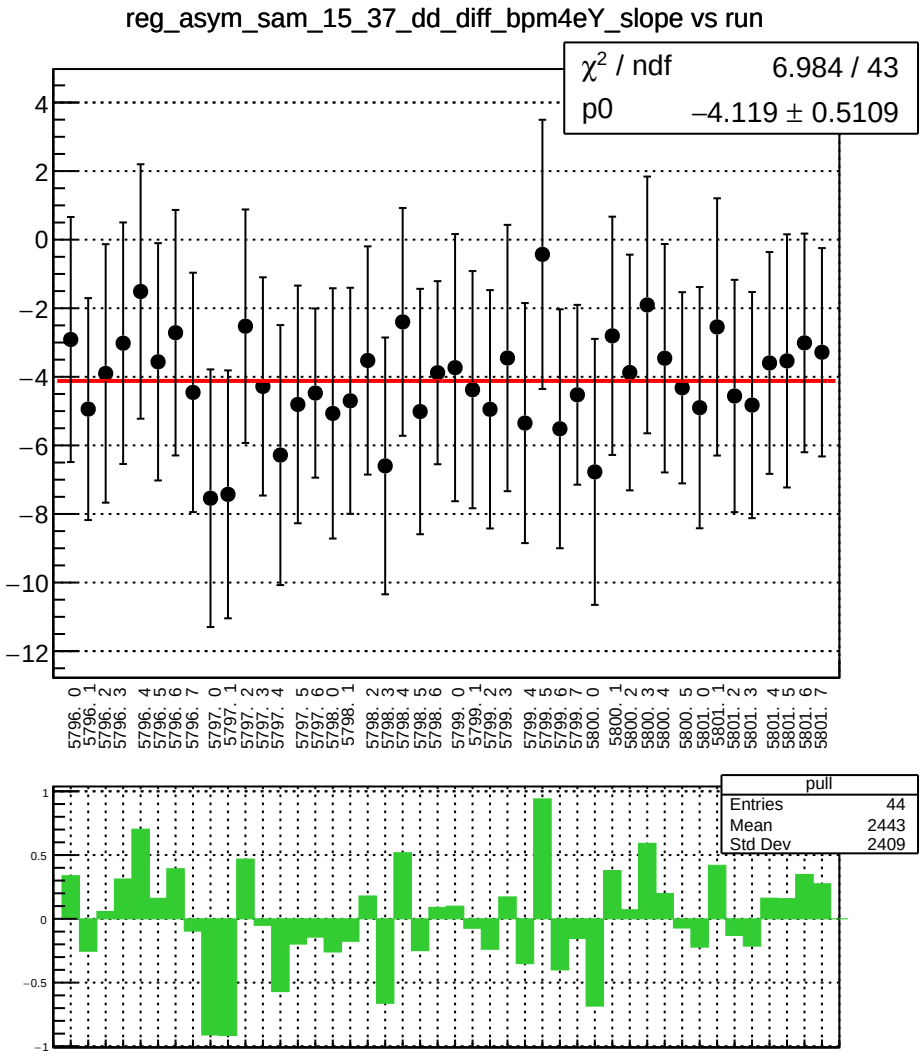

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.579 / 43
p0 −3.307 ± 0.5444
pull
Entries 44
Mean −368.2
Std Dev 386.9

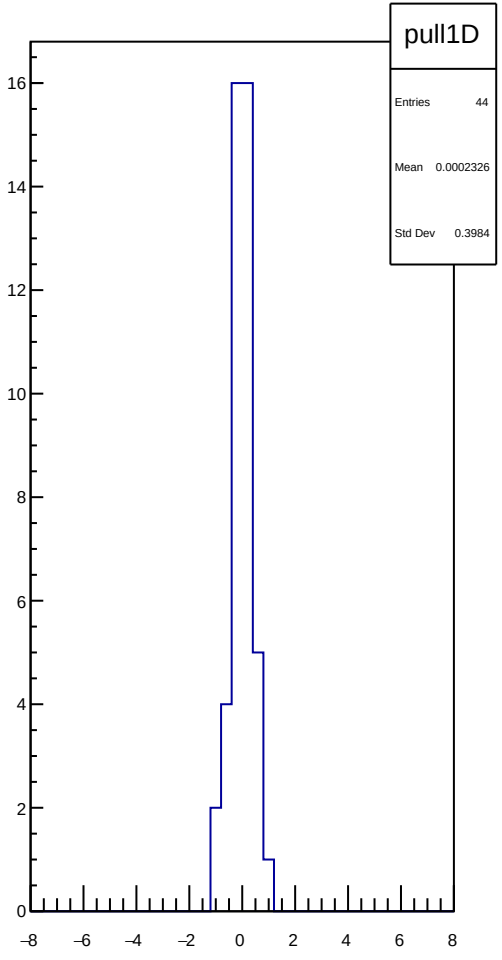

pull1D
Entries 44
Mean 0.005491
Std Dev 0.2852

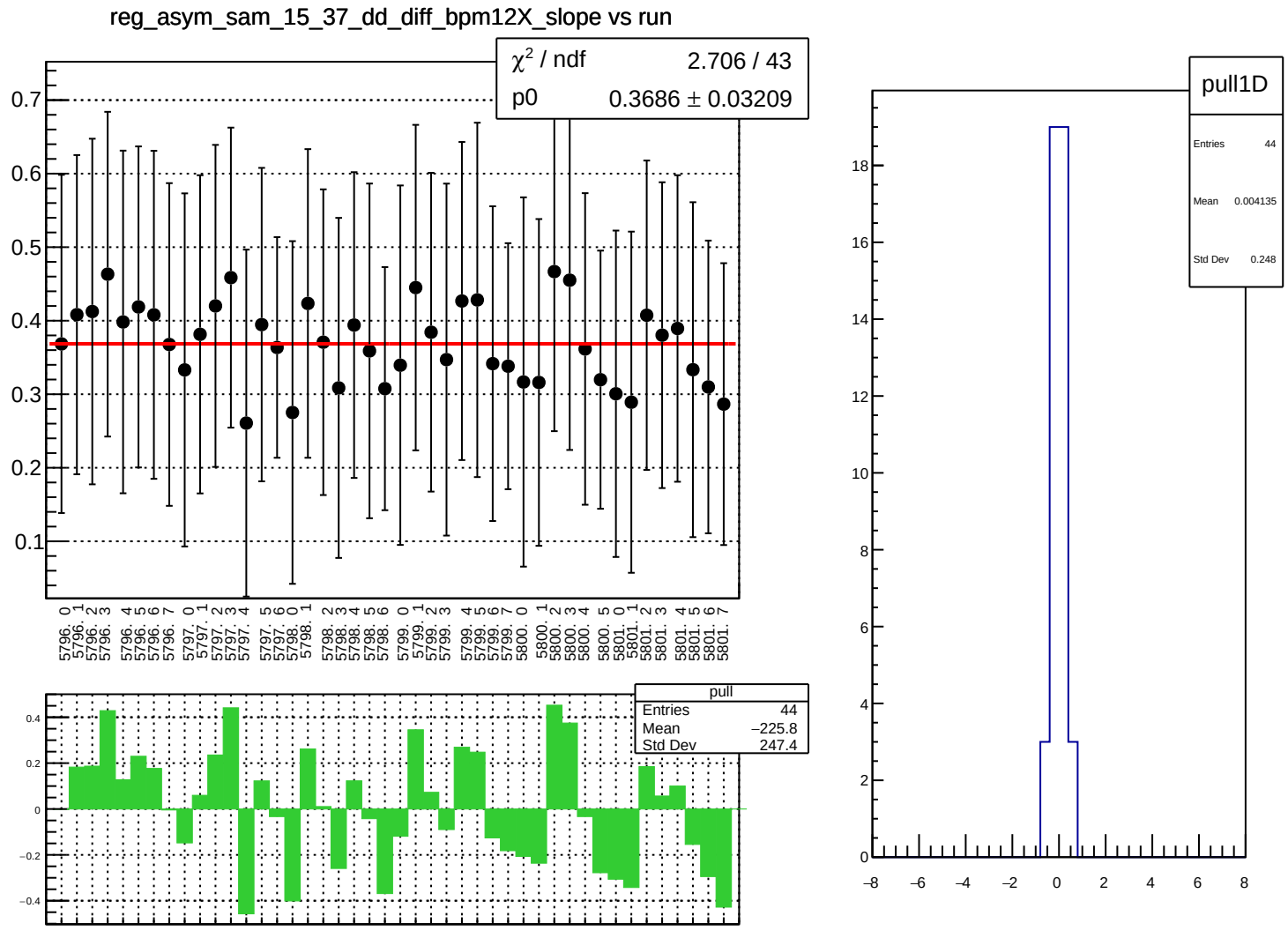

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.928 / 43
p0 −2.73 ± 0.468
pull
Entries 44
Mean 27.91
Std Dev 43.89
pull1D
Entries 44
Mean −0.007754
Std Dev 0.4244

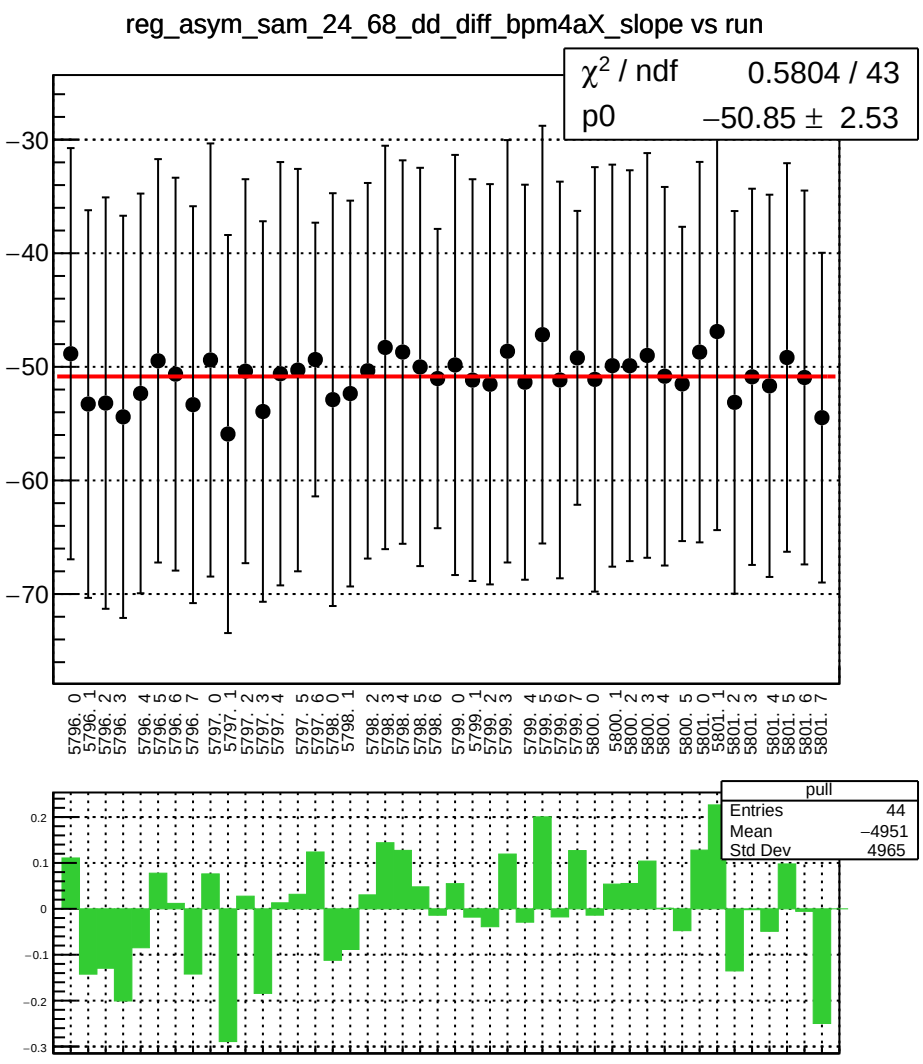

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.162 / 43
p0 34.84 ± 0.6901
pull
Entries 44
Mean −806.2
Std Dev 825.8

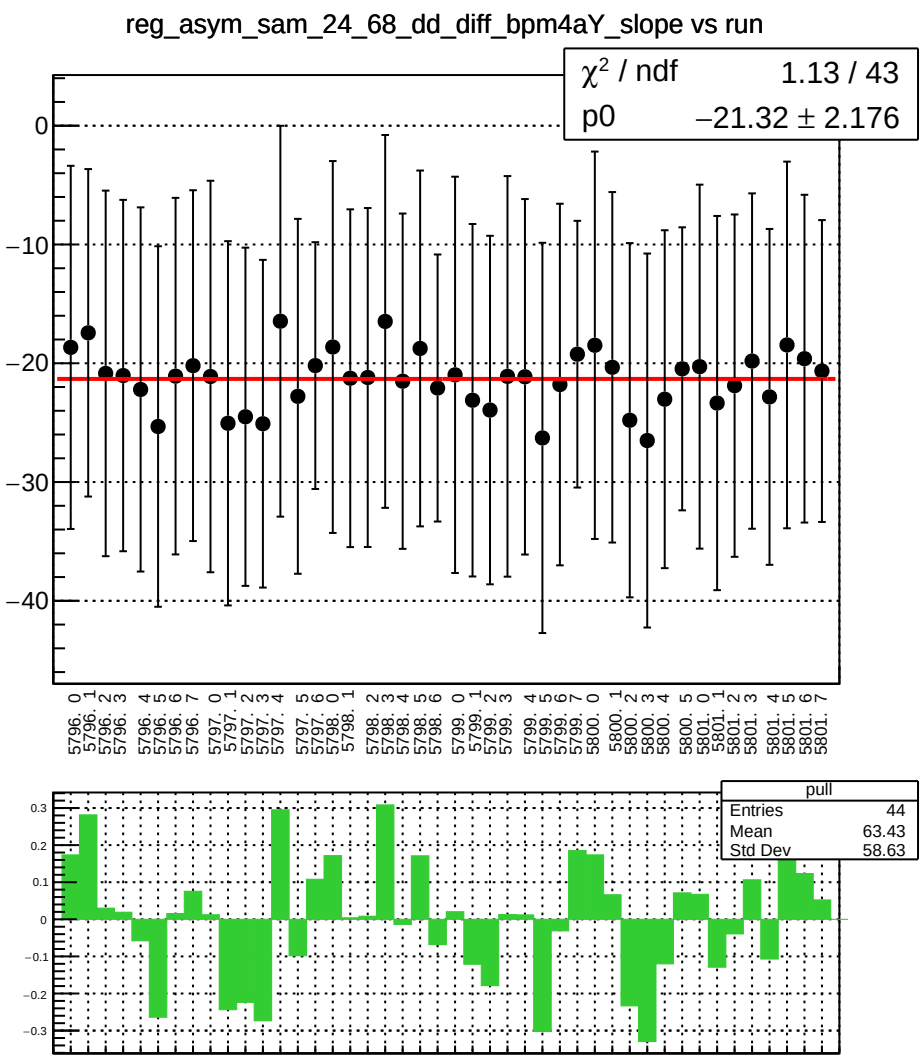

pull1D
Entries 44
Mean −0.002077
Std Dev 0.2681

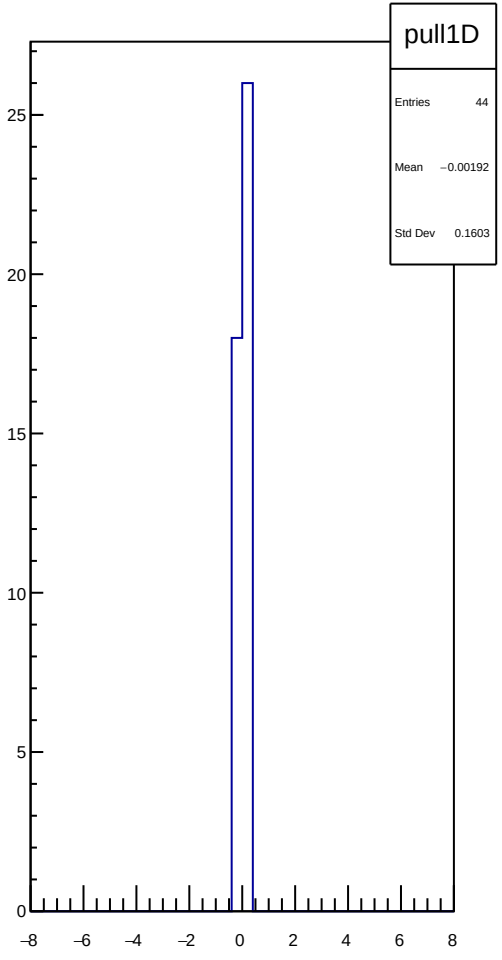

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.984 / 43
p0 −4.119 ± 0.5109
pull
Entries 44
Mean 2443
Std Dev 2409

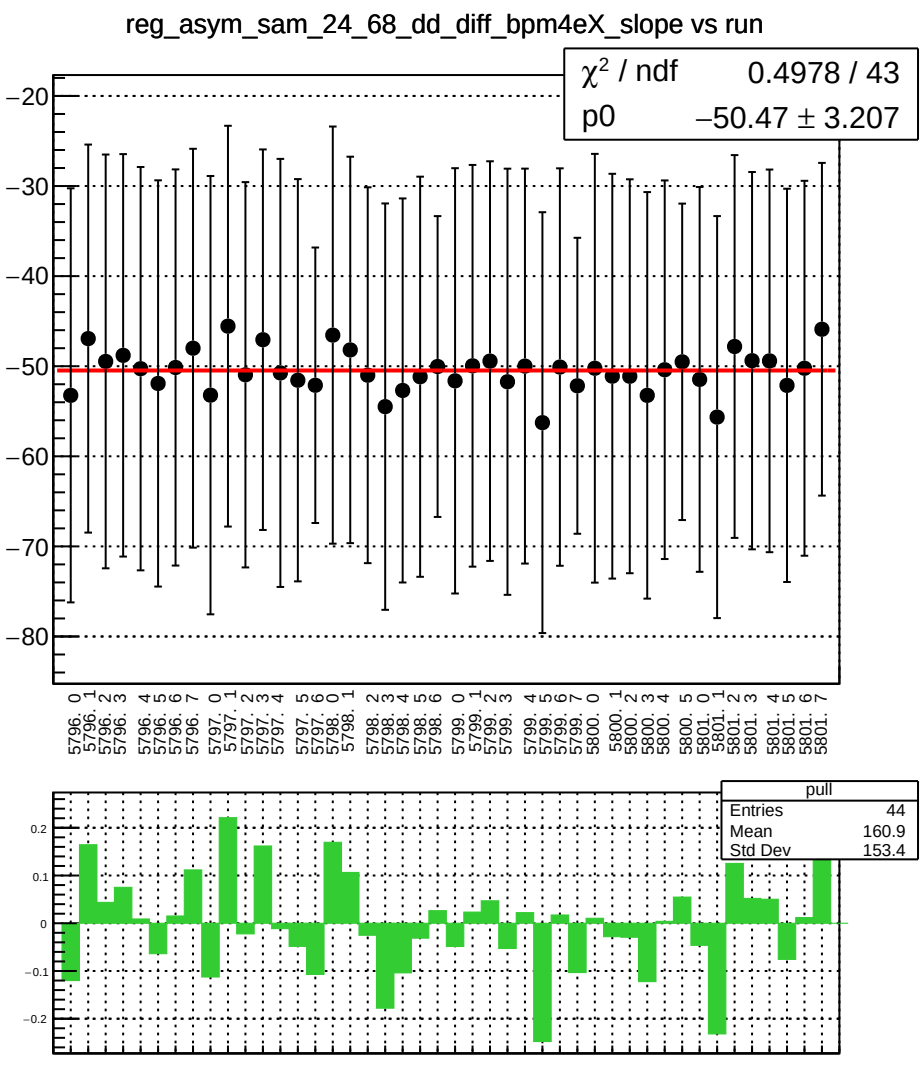

pull1D
Entries 44
Mean 0.0002326
Std Dev 0.3984

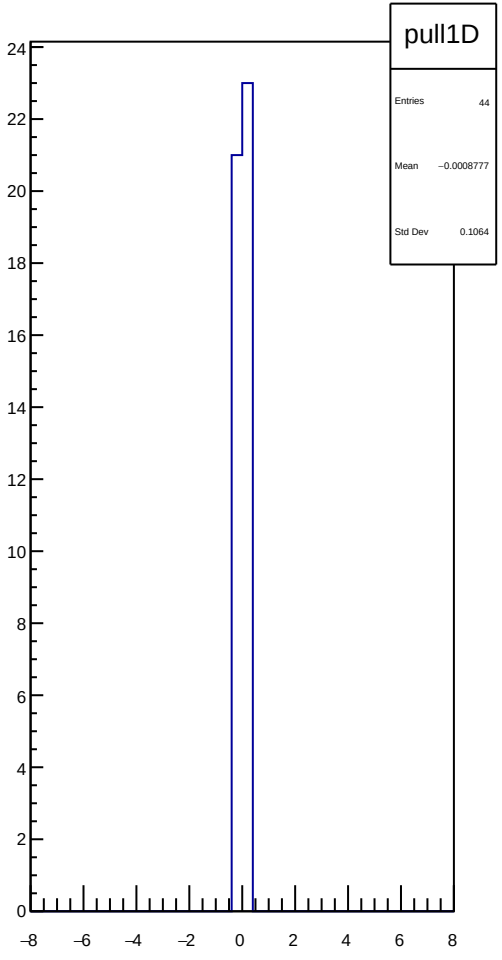

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.706 / 43
p0 0.3686 ± 0.03209
pull
Entries 44
Mean −225.8
Std Dev 247.4
pull1D
Entries 44
Mean 0.004135
Std Dev 0.248

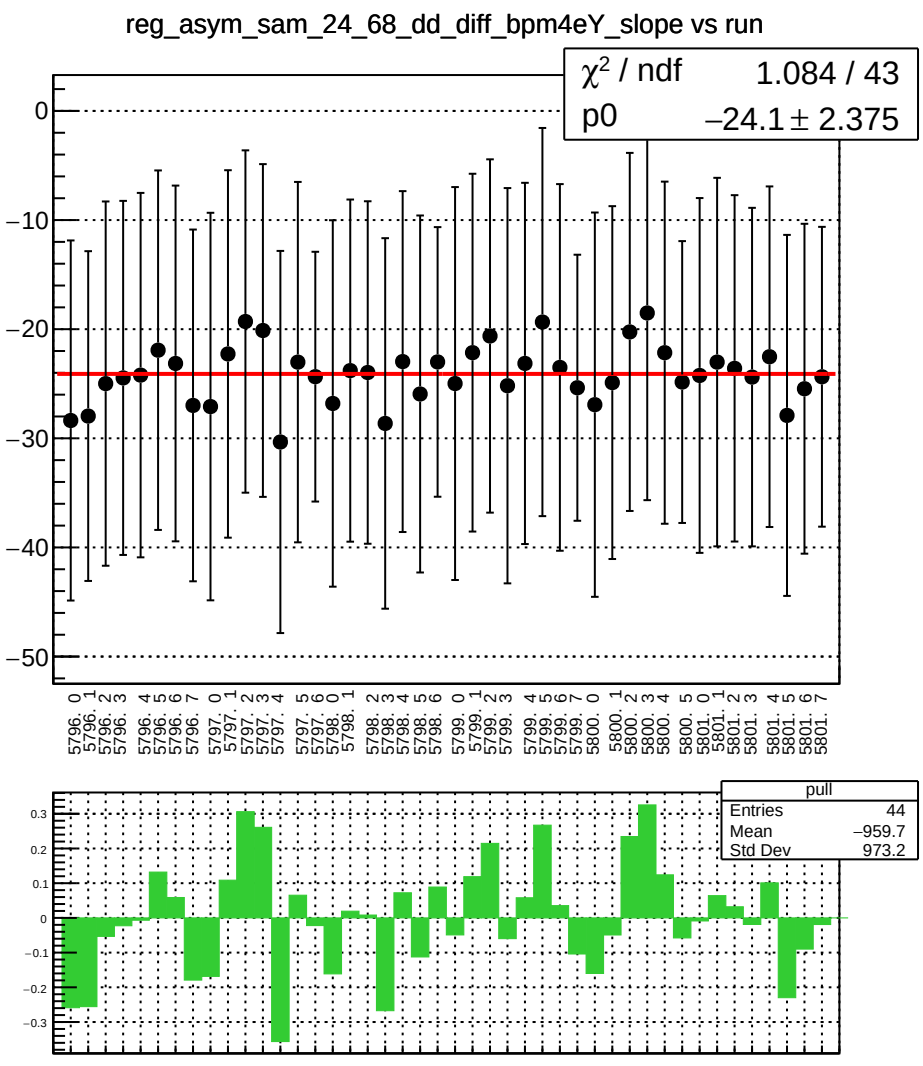

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.5804 / 43
p0 −50.85 ± 2.53
−30
−40
−50
−60
−70
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −4951
Std Dev 4965
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 44
Mean −6.497e−05
Std Dev 0.1148
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

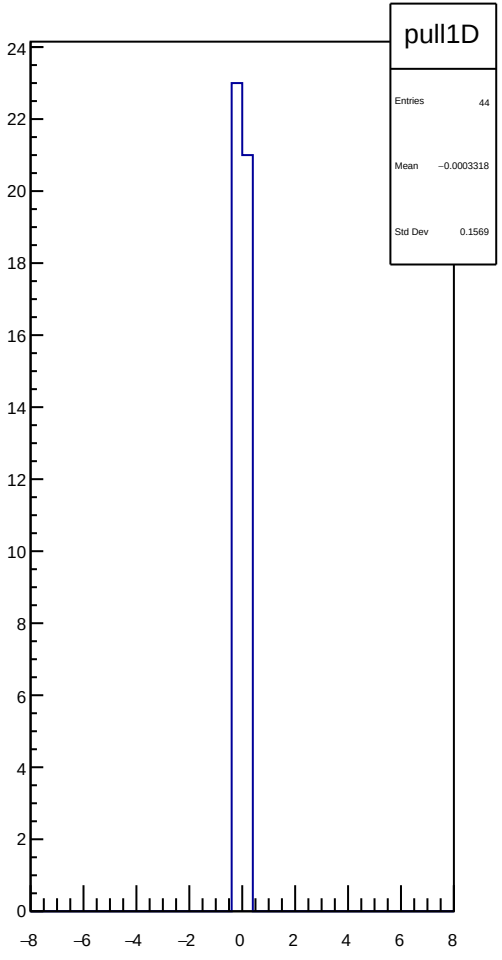

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.13 / 43
p0 −21.32 ± 2.176
0
−10
−20
−30
−40
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 63.43
Std Dev 58.63
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

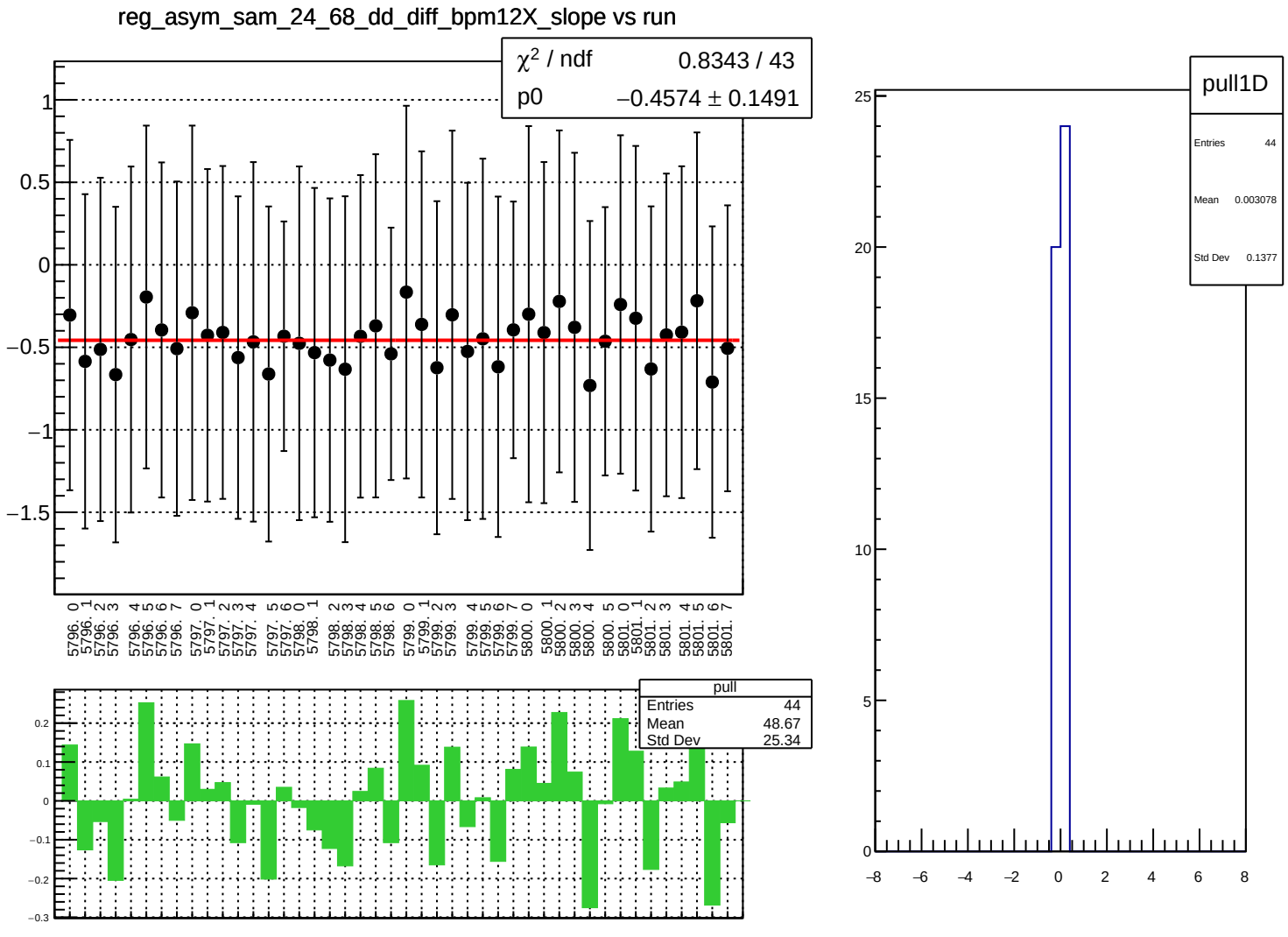

pull1D
Entries 44
Mean −0.00192
Std Dev 0.1603
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

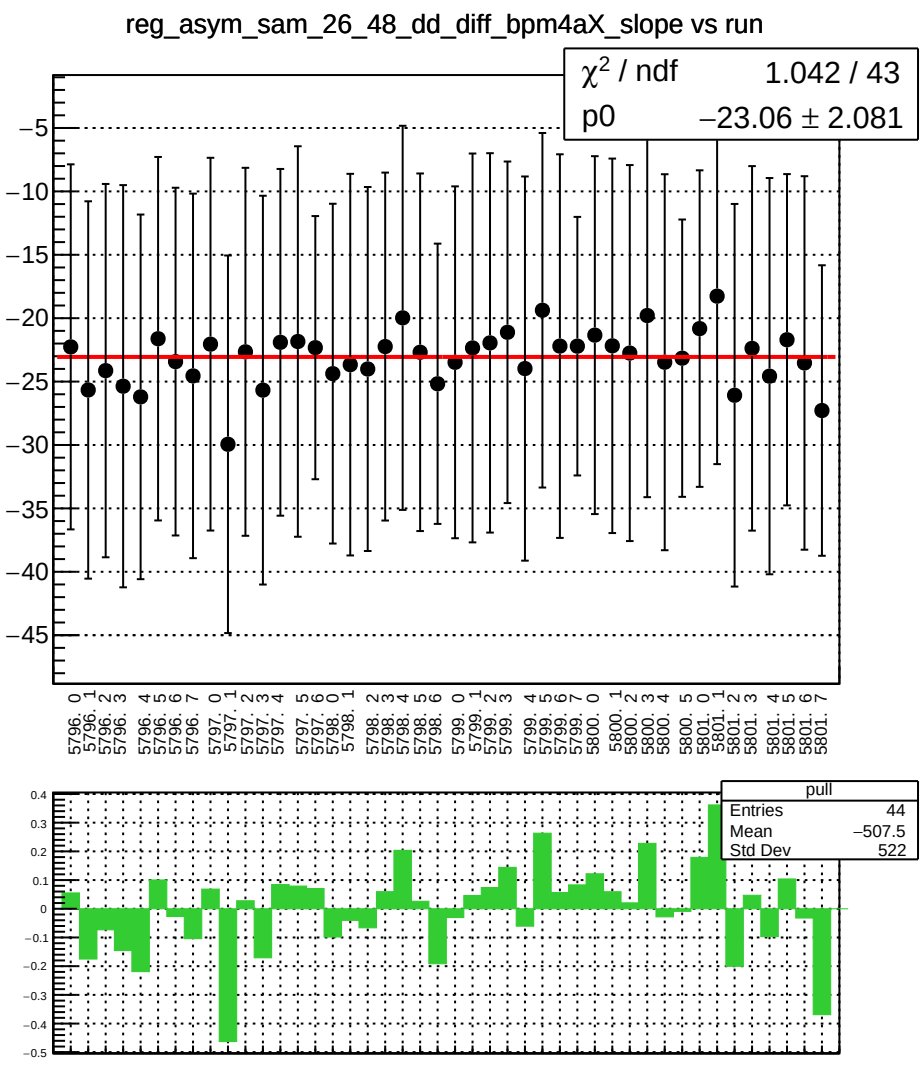

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.4978 / 43
p0 −50.47 ± 3.207
−20
−30
−40
−50
−60
−70
−80
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 160.9
Std Dev 153.4
0.2
0.1
0
−0.1
−0.2

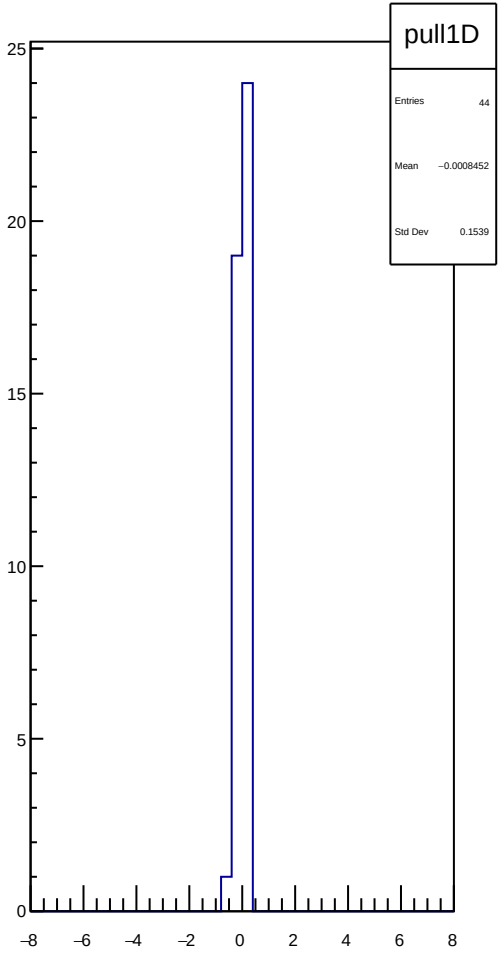

pull1D
Entries 44
Mean −0.0008777
Std Dev 0.1064
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

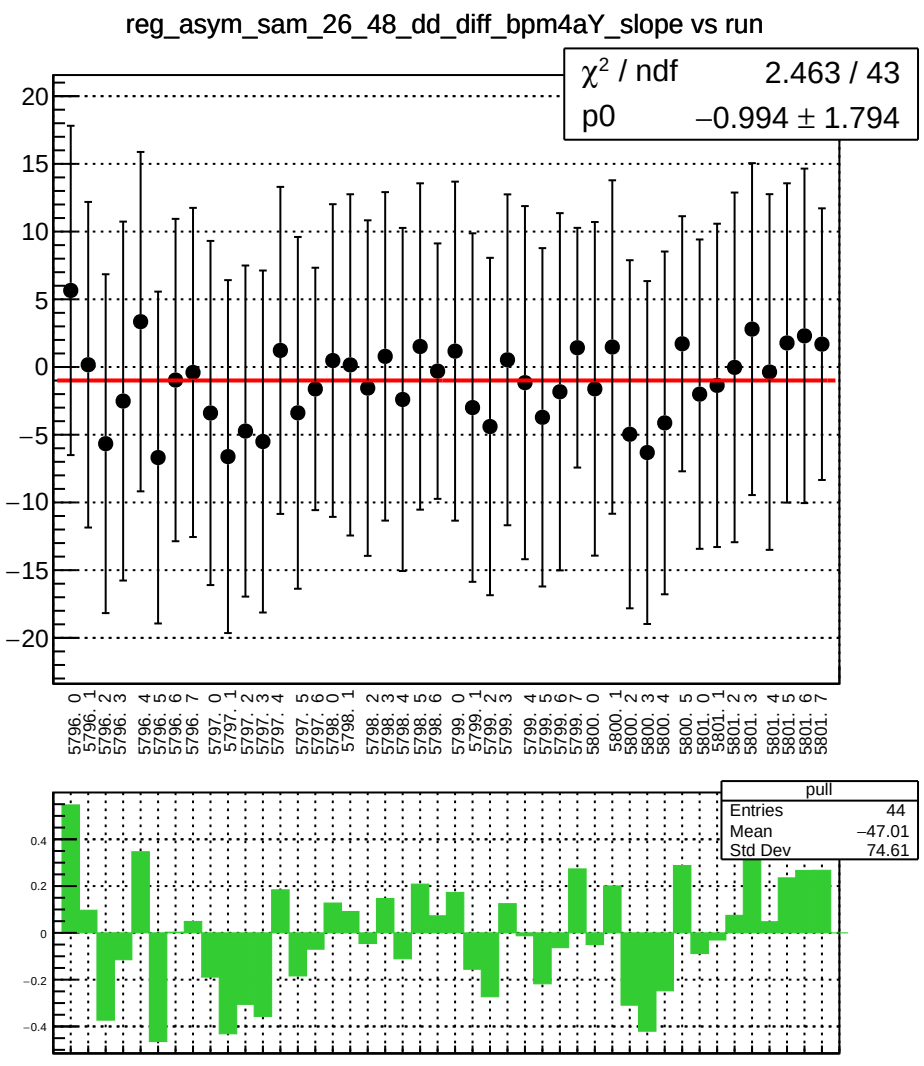

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.084 / 43
p0 −24.1 ± 2.375
pull
Entries 44
Mean −959.7
Std Dev 973.2

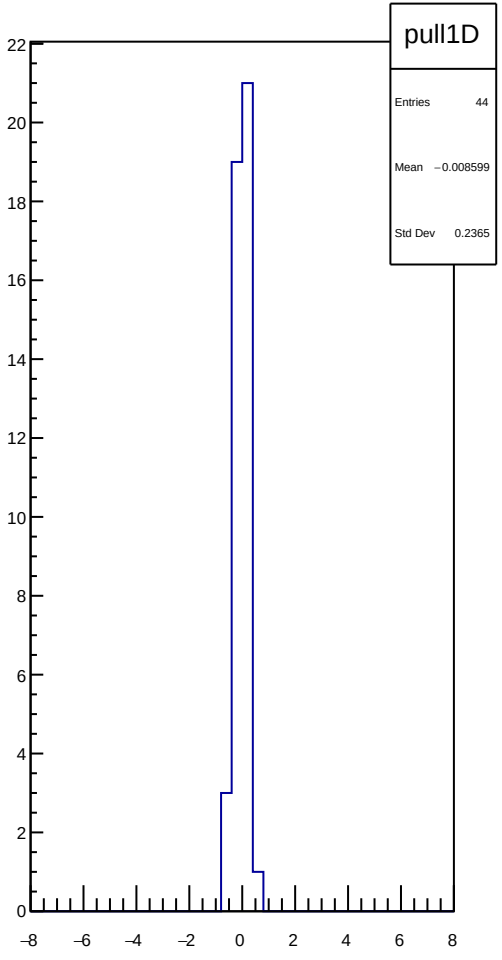

pull1D
Entries 44
Mean −0.0003318
Std Dev 0.1569

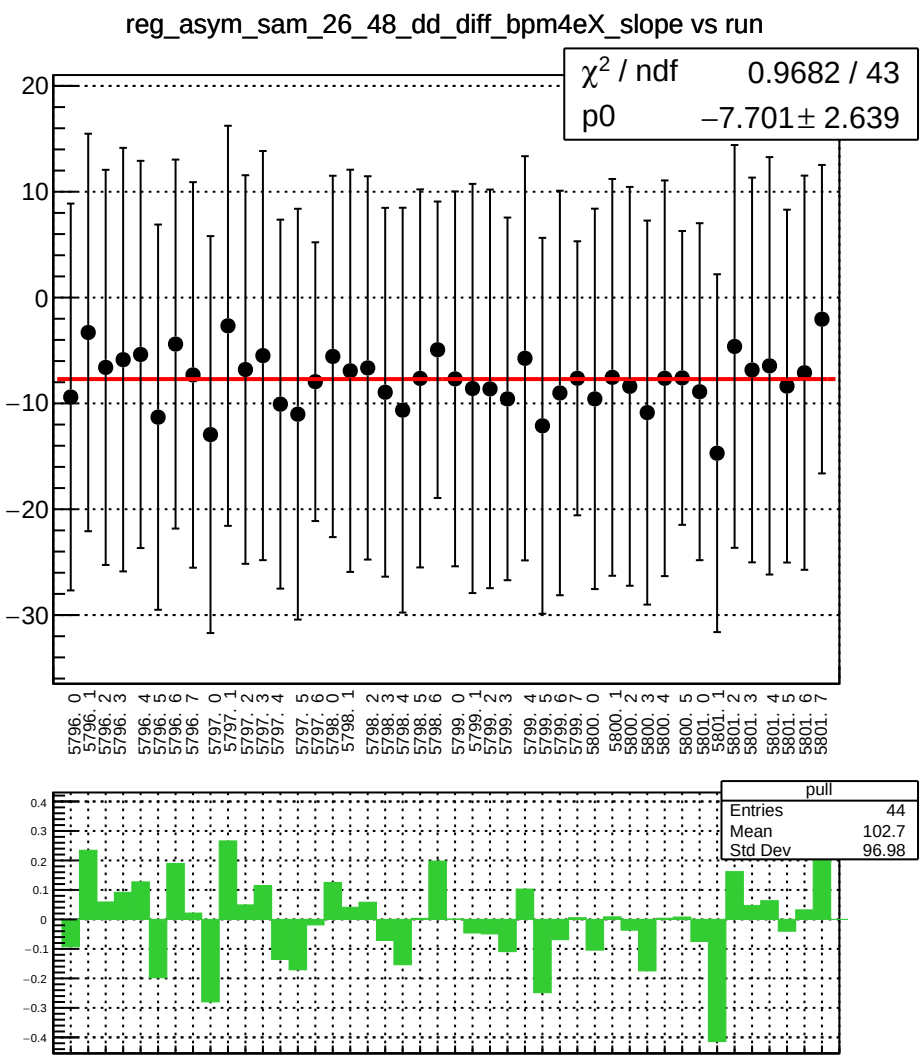

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8343 / 43
p0 −0.4574 ± 0.1491
pull
Entries 44
Mean 48.67
Std Dev 25.34
pull1D
Entries 44
Mean 0.003078
Std Dev 0.1377

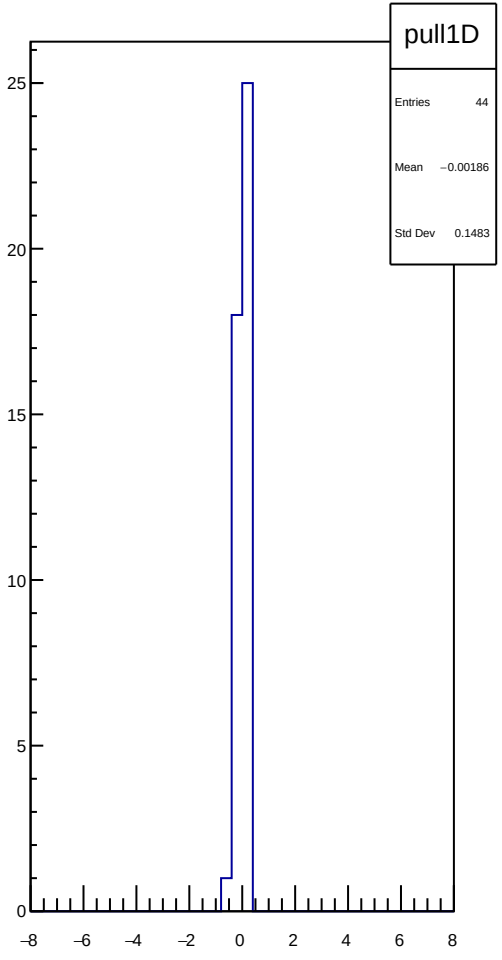

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.042 / 43
p0 −23.06 ± 2.081
pull
Entries 44
Mean −507.5
Std Dev 522

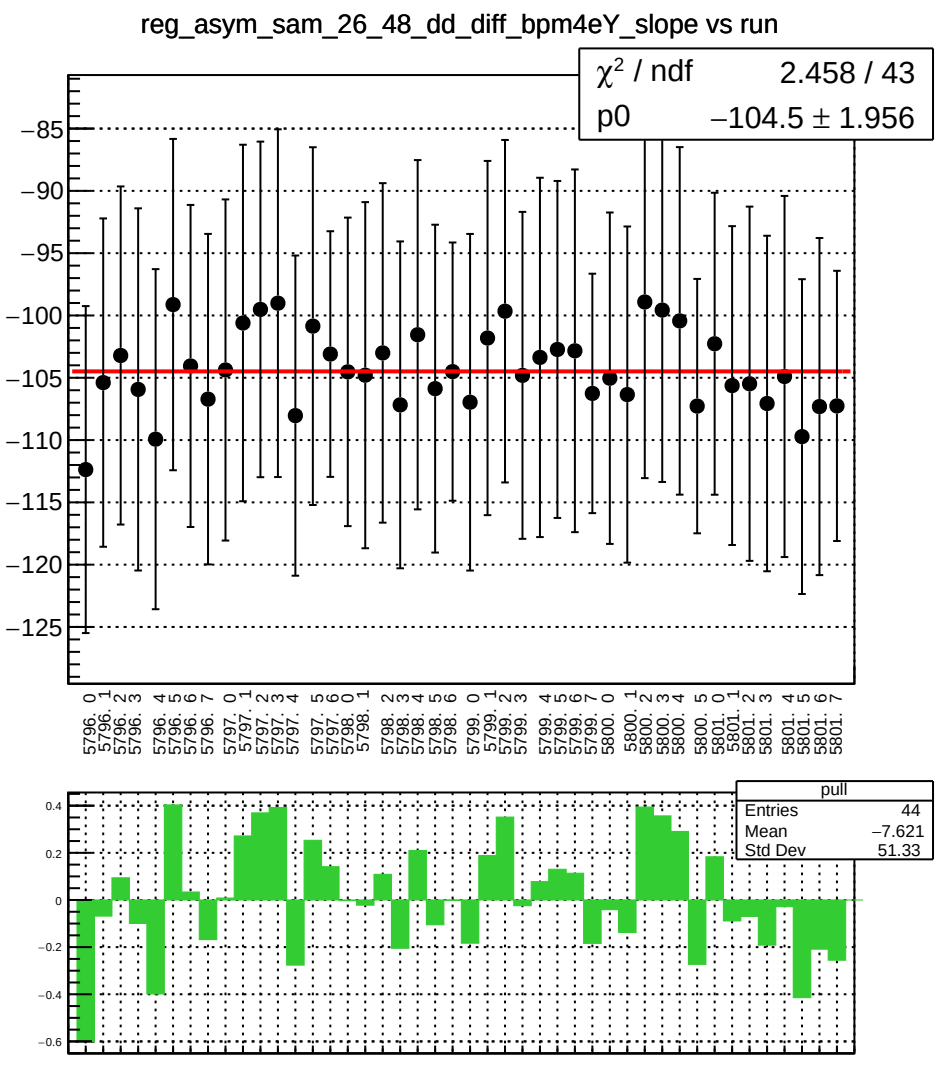

pull1D
Entries 44
Mean −0.0008452
Std Dev 0.1539

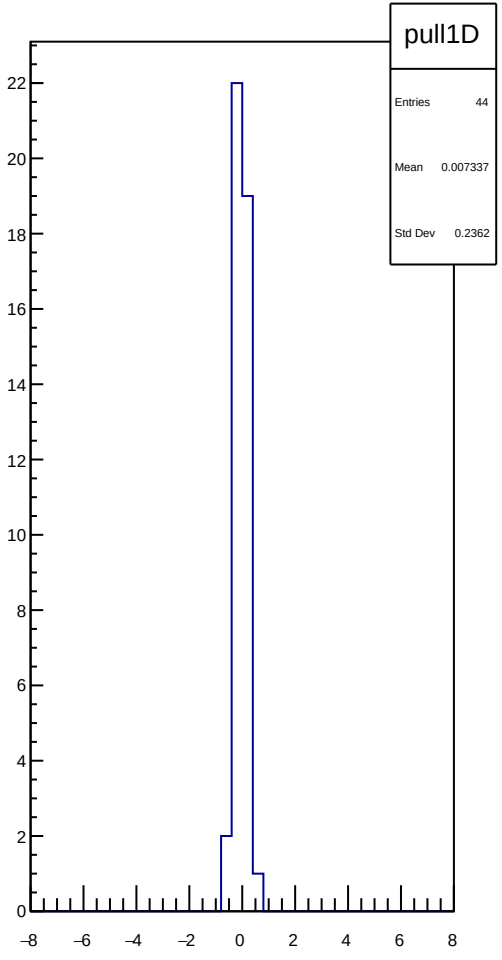

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.463 / 43
p0 −0.994 ± 1.794
pull
Entries 44
Mean −47.01
Std Dev 74.61

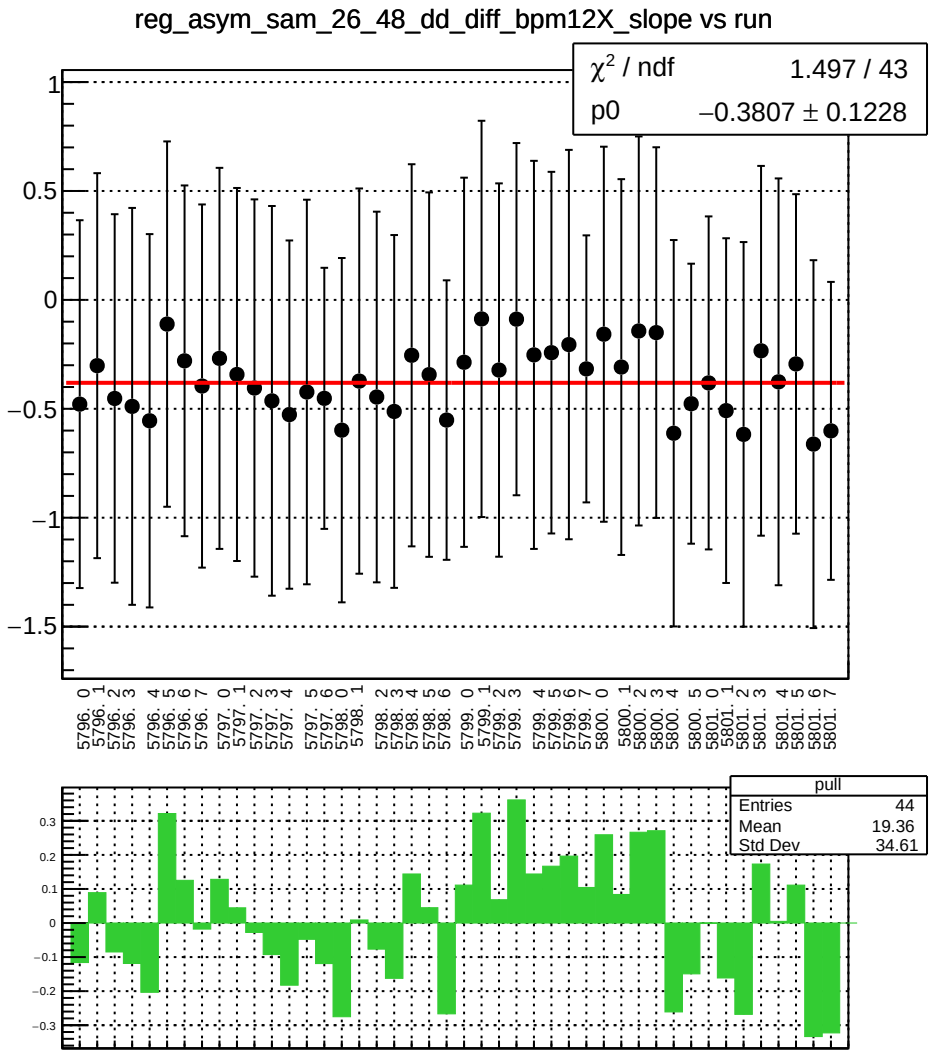

pull1D
Entries 44
Mean −0.008599
Std Dev 0.2365

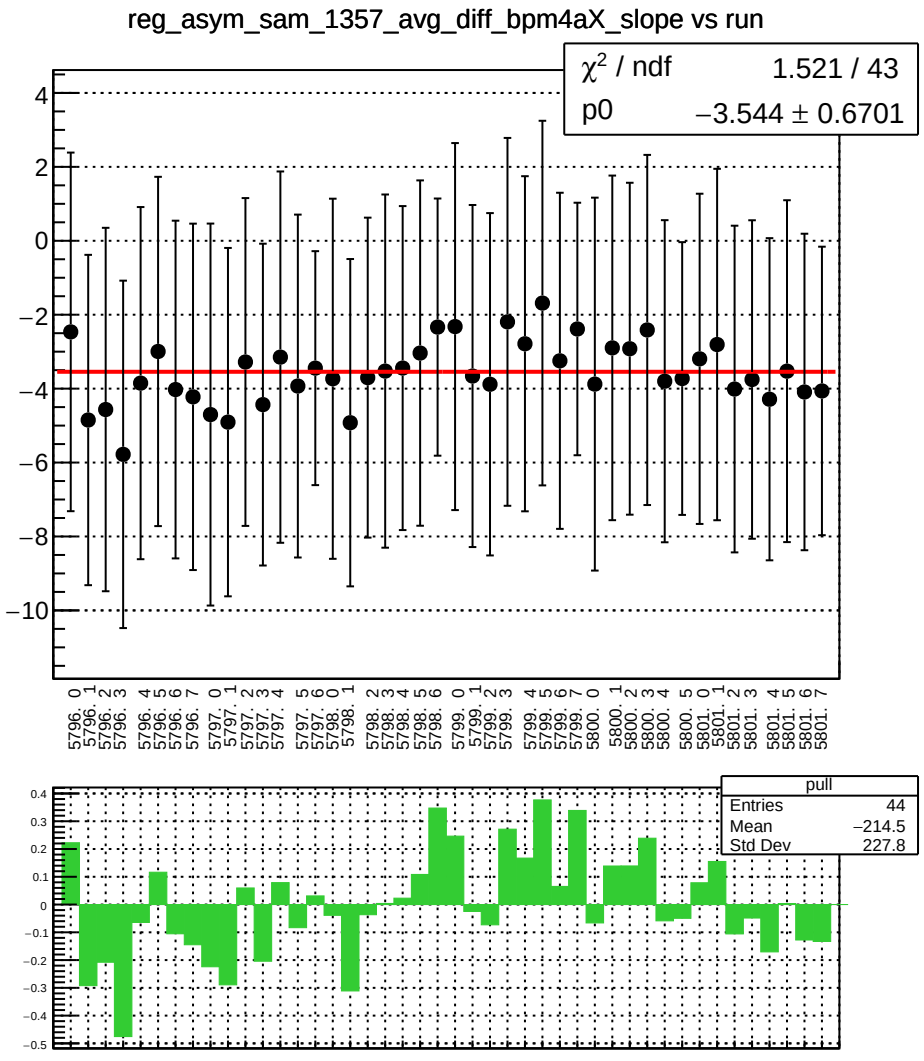

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9682 / 43
p0 −7.701 ± 2.639
pull
Entries 44
Mean 102.7
Std Dev 96.98

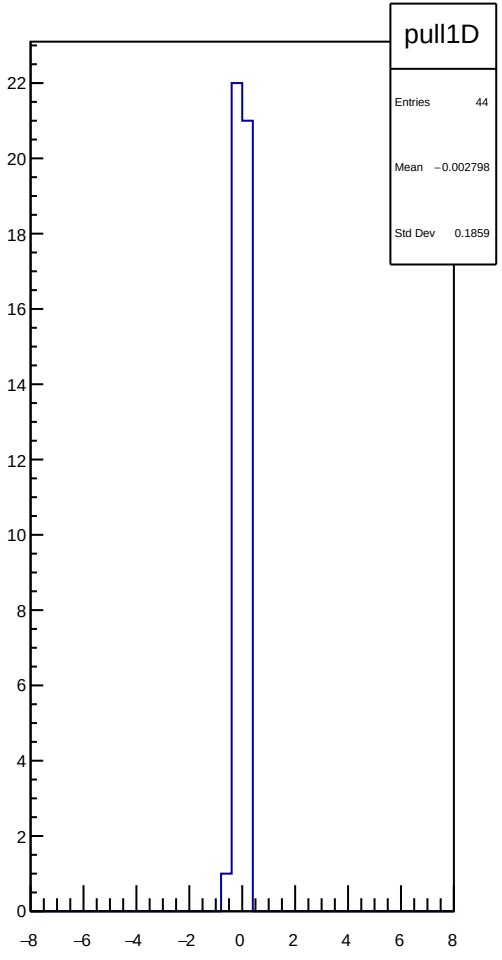

pull1D
Entries 44
Mean −0.00186
Std Dev 0.1483

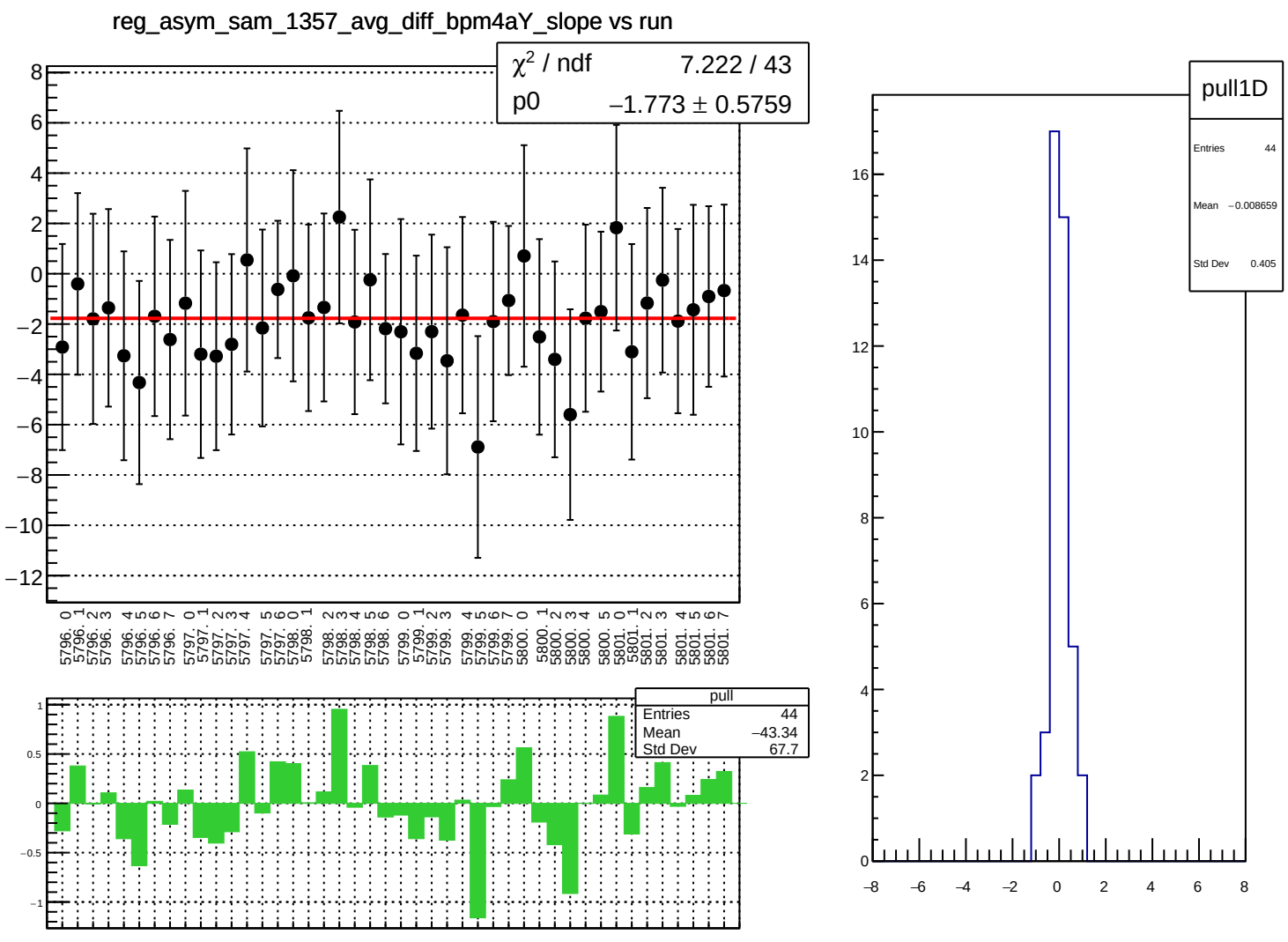

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.458 / 43
p0 −104.5 ± 1.956
pull
Entries 44
Mean −7.621
Std Dev 51.33

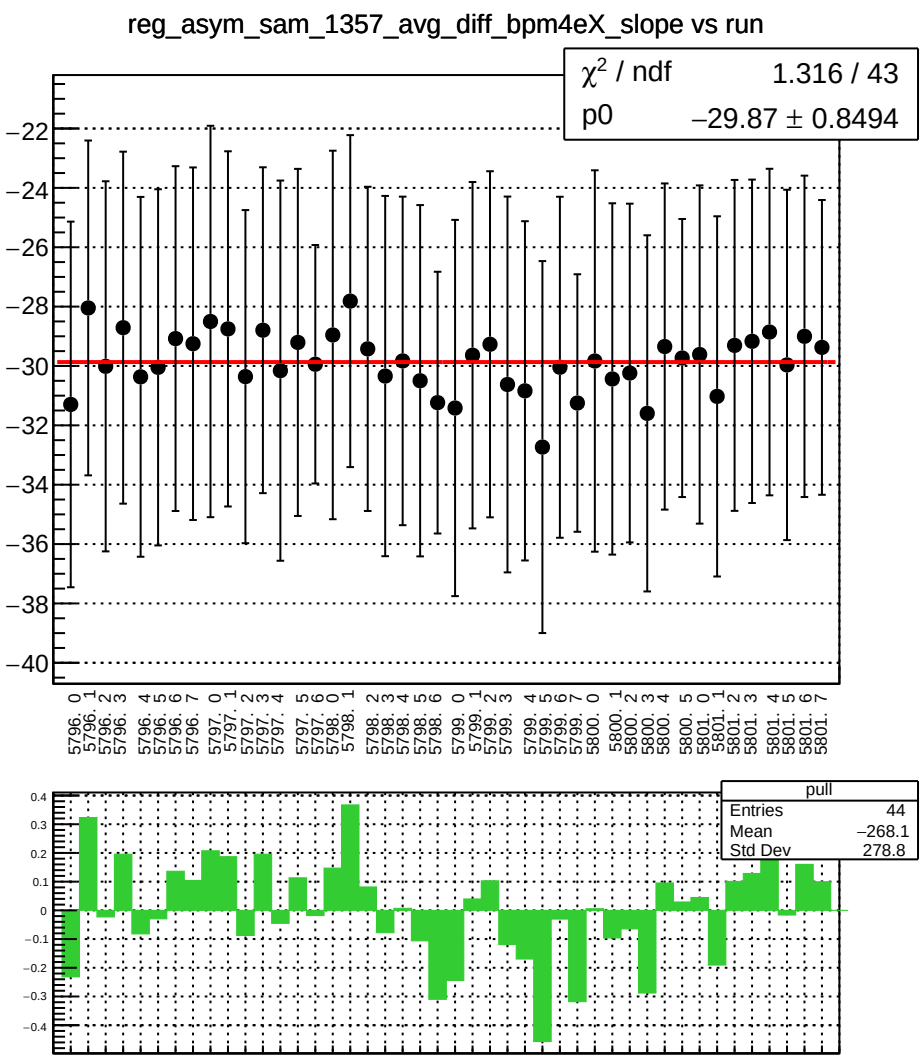

pull1D
Entries 44
Mean 0.007337
Std Dev 0.2362

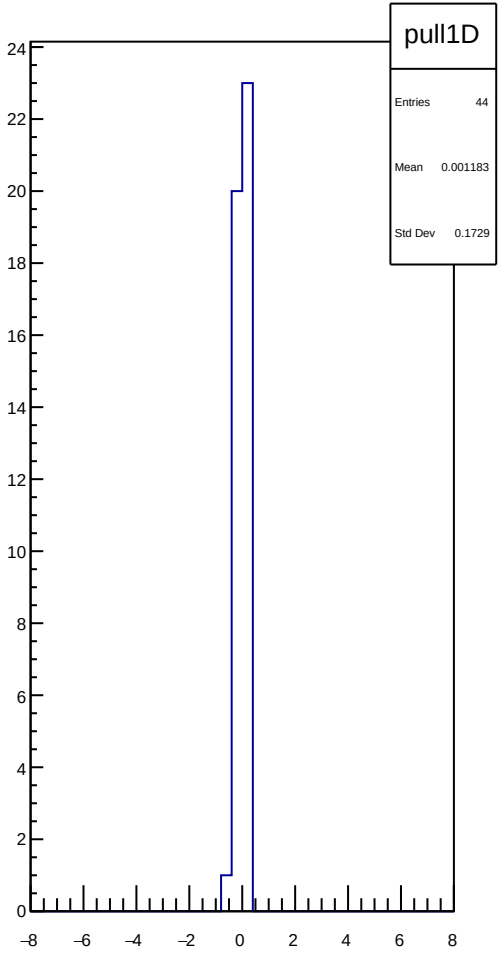

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.497 / 43
p0 −0.3807 ± 0.1228
pull
Entries 44
Mean 19.36
Std Dev 34.61
pull1D
Entries 44
Mean 0.006
Std Dev 0.1844

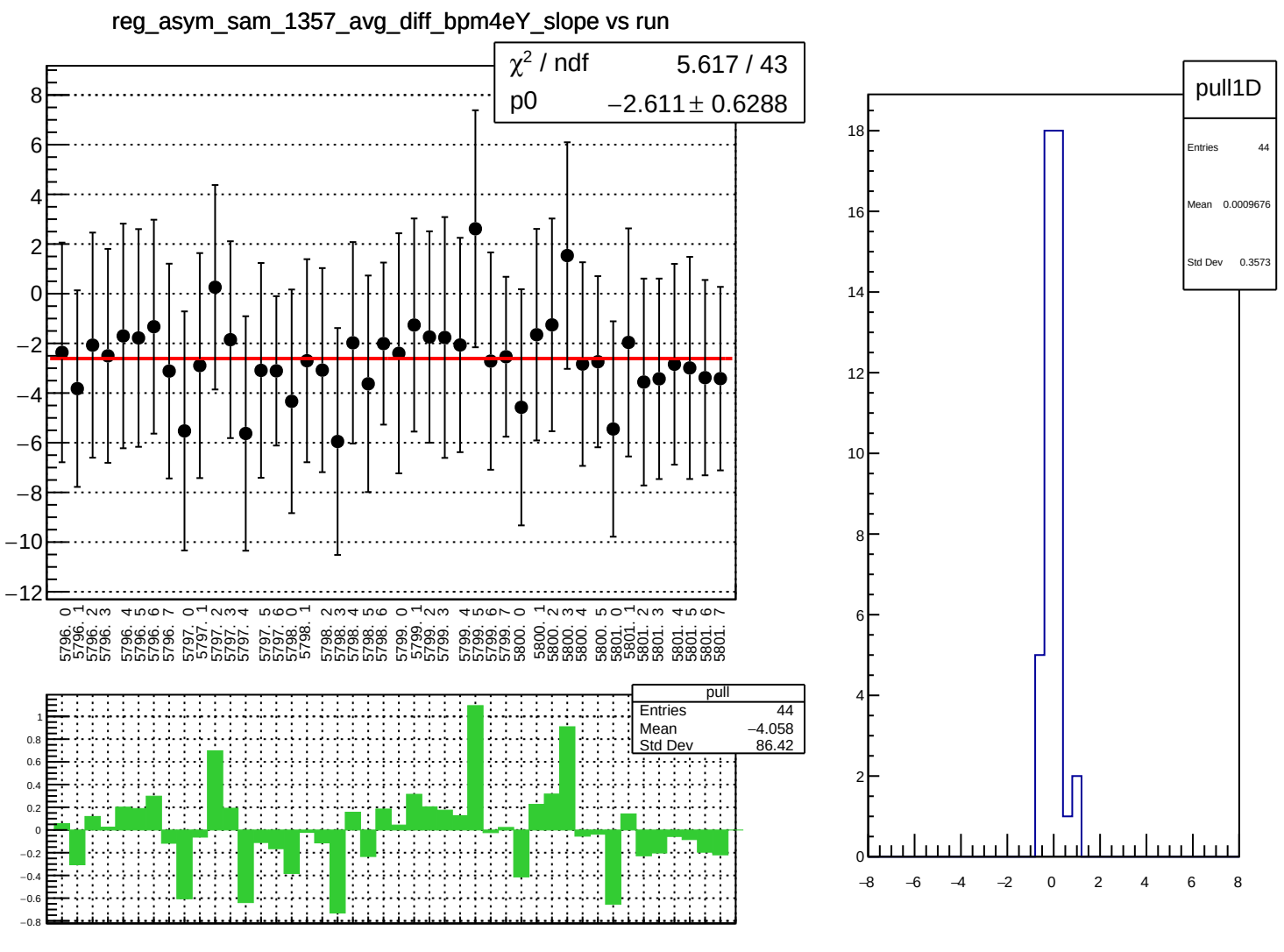

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.521 / 43
p0 −3.544 ± 0.6701
pull
Entries 44
Mean −214.5
Std Dev 227.8

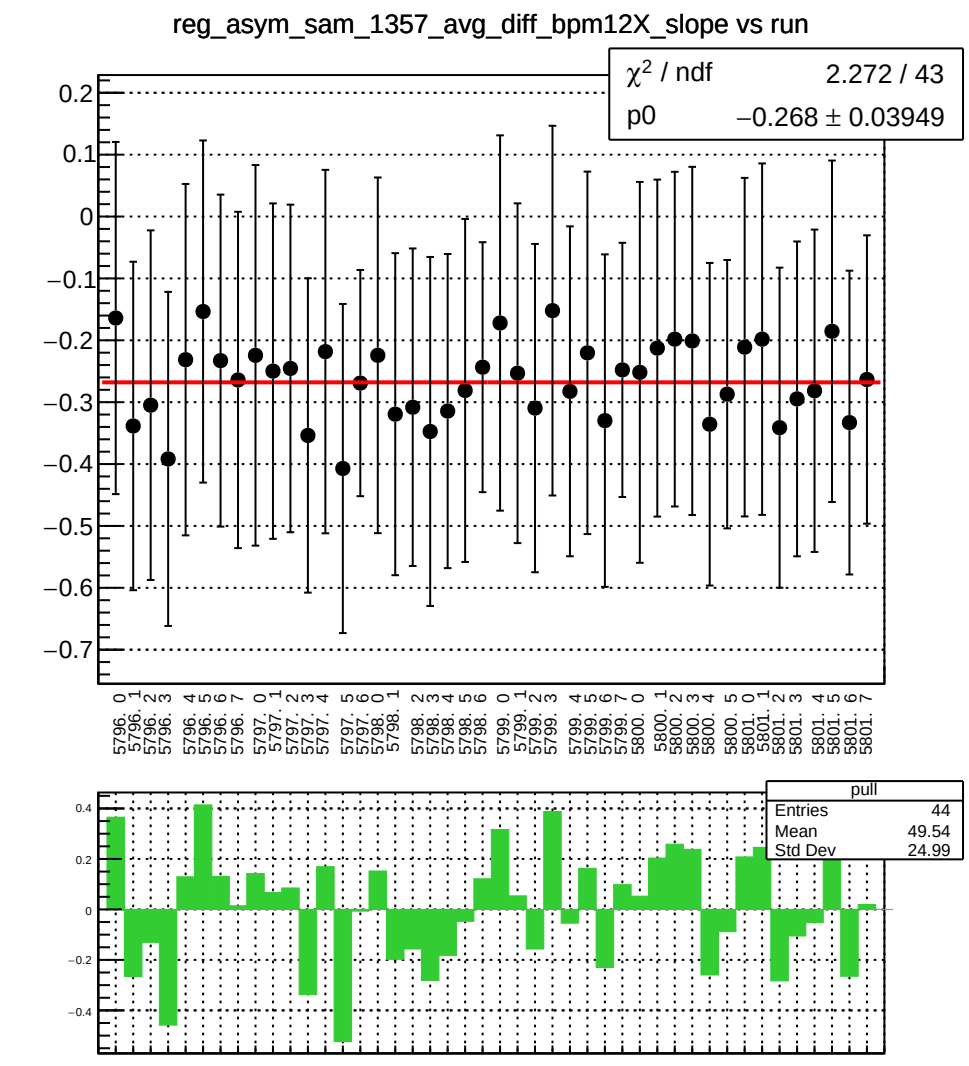

pull1D
Entries 44
Mean −0.002798
Std Dev 0.1859

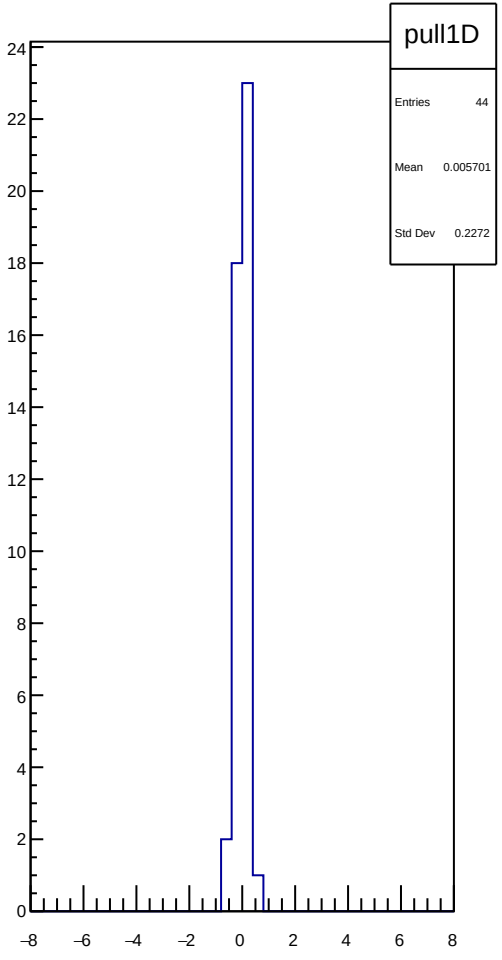

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.222 / 43
p0 −1.773 ± 0.5759
pull
Entries 44
Mean −43.34
Std Dev 67.7
pull1D
Entries 44
Mean −0.008659
Std Dev 0.405

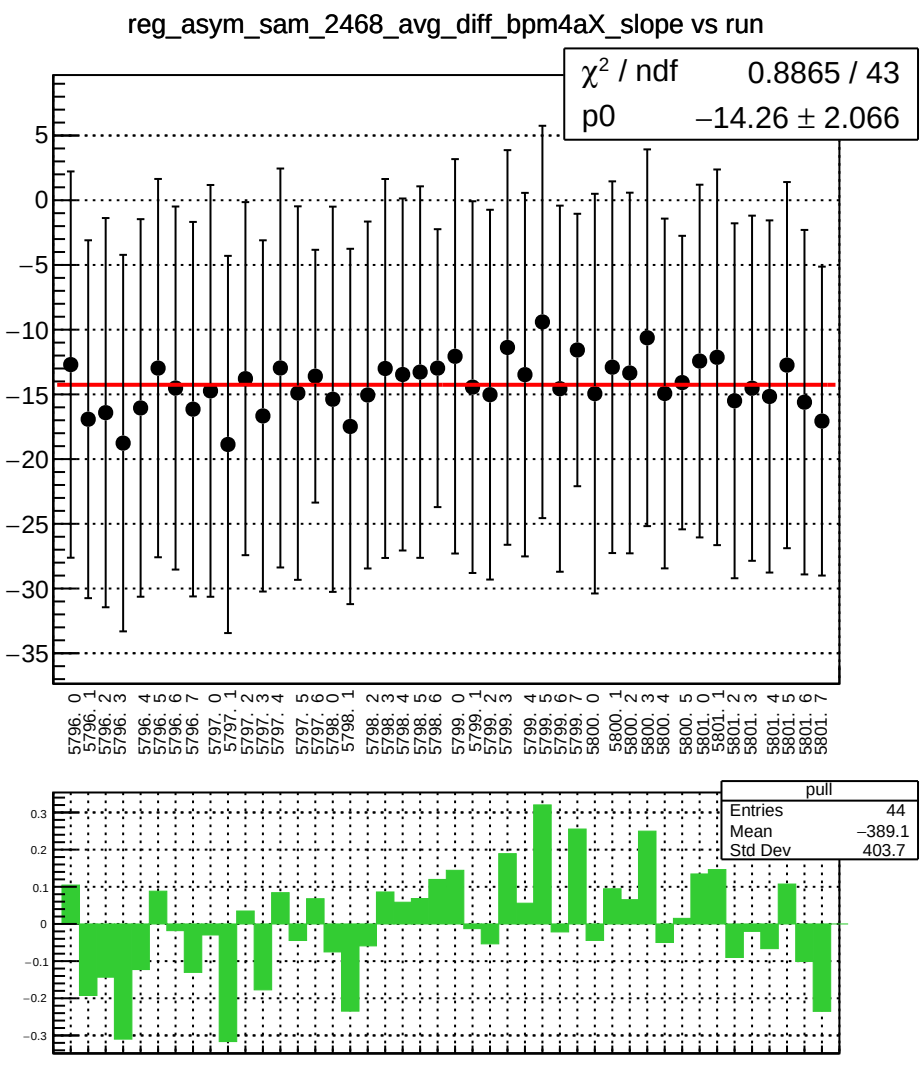

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.316 / 43
p0 −29.87 ± 0.8494
pull
Entries 44
Mean −268.1
Std Dev 278.8

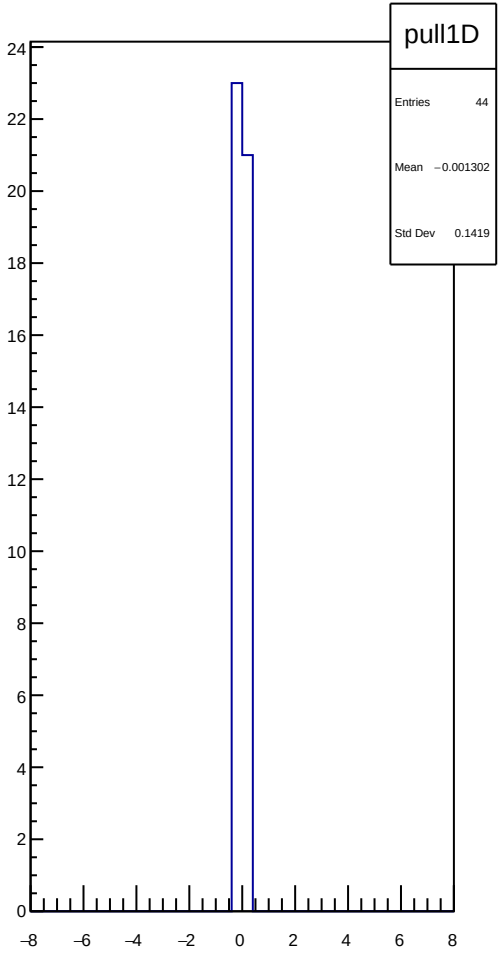

pull1D
Entries 44
Mean 0.001183
Std Dev 0.1729

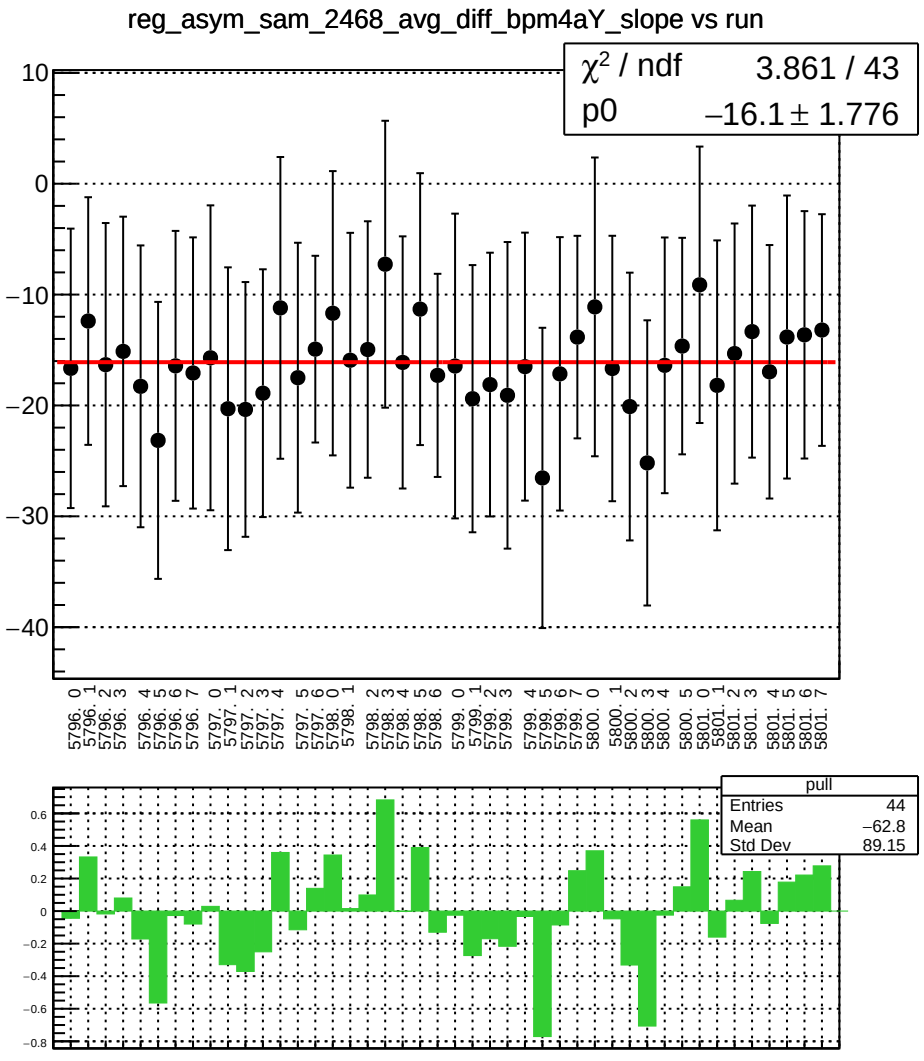

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.617 / 43
p0 −2.611 ± 0.6288
pull
Entries 44
Mean −4.058
Std Dev 86.42
pull1D
Entries 44
Mean 0.0009676
Std Dev 0.3573

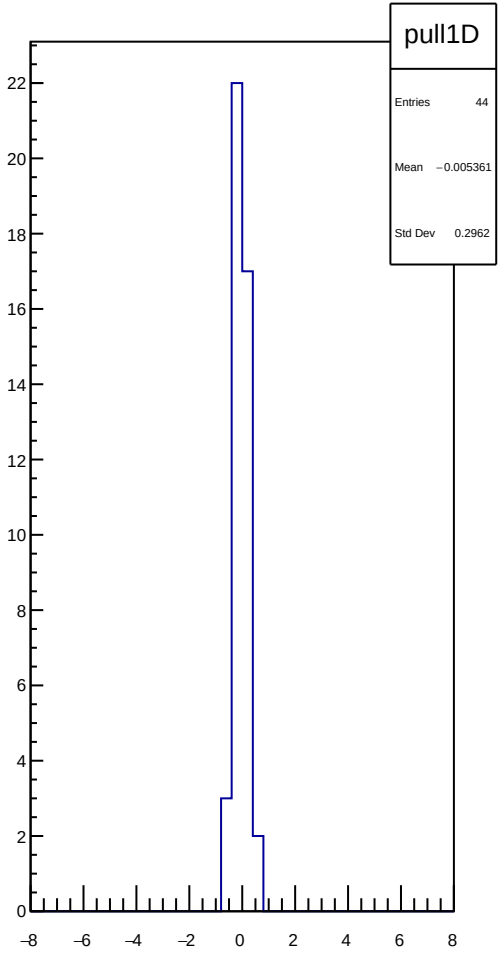

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.272 / 43
p0 −0.268 ± 0.03949
pull
Entries 44
Mean 49.54
Std Dev 24.99

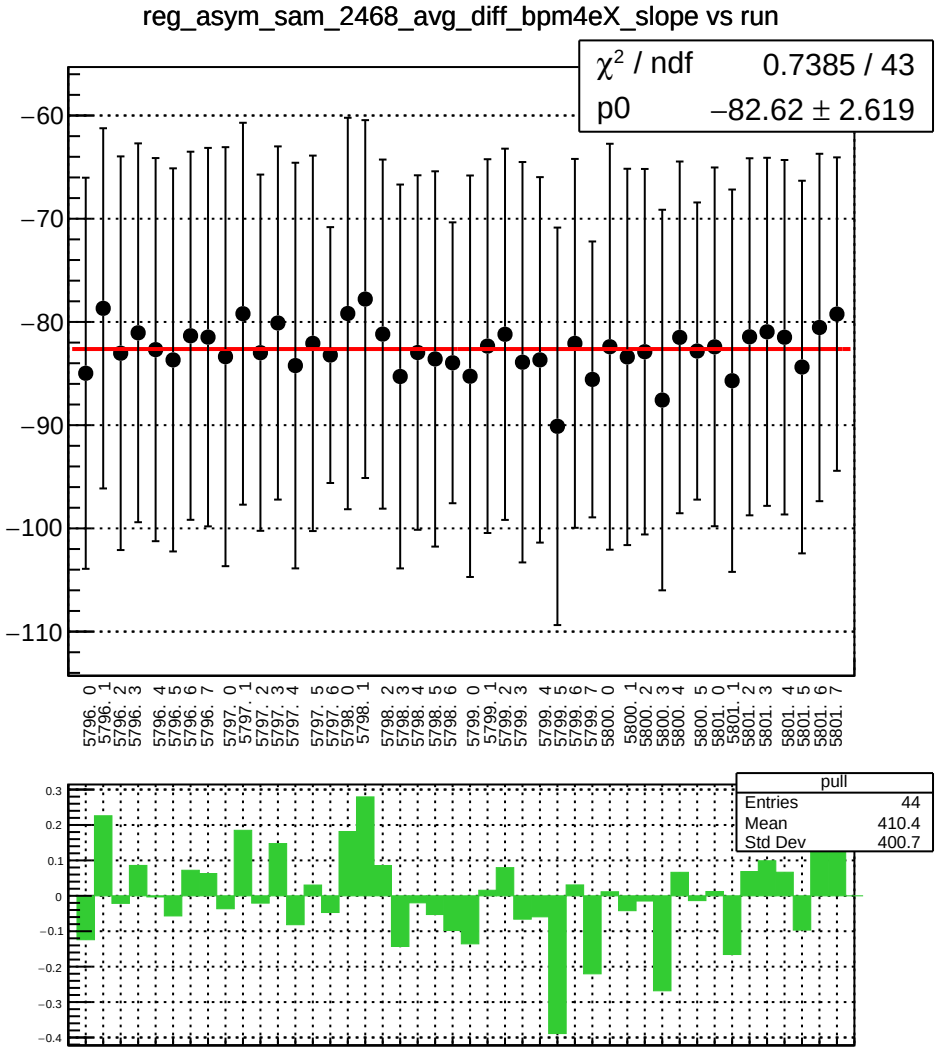

pull1D
Entries 44
Mean 0.005701
Std Dev 0.2272

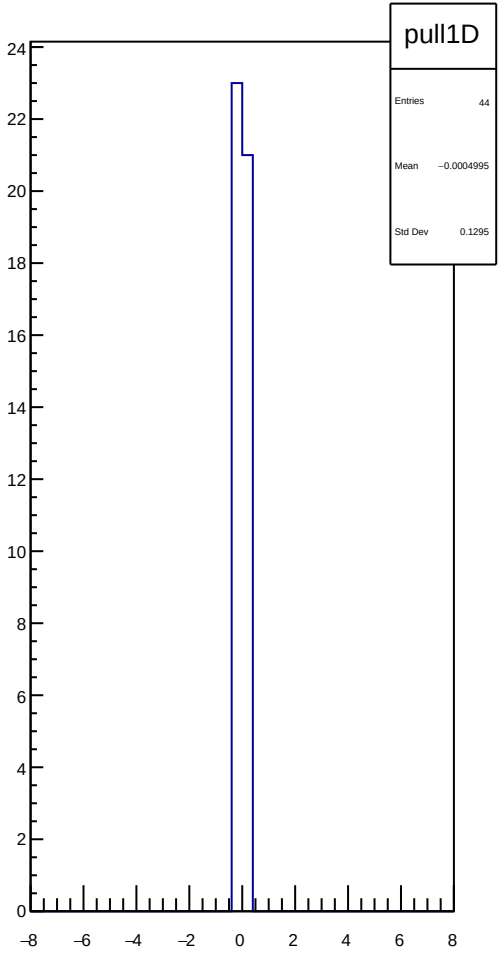

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.8865 / 43
p0 −14.26 ± 2.066
pull
Entries 44
Mean −389.1
Std Dev 403.7

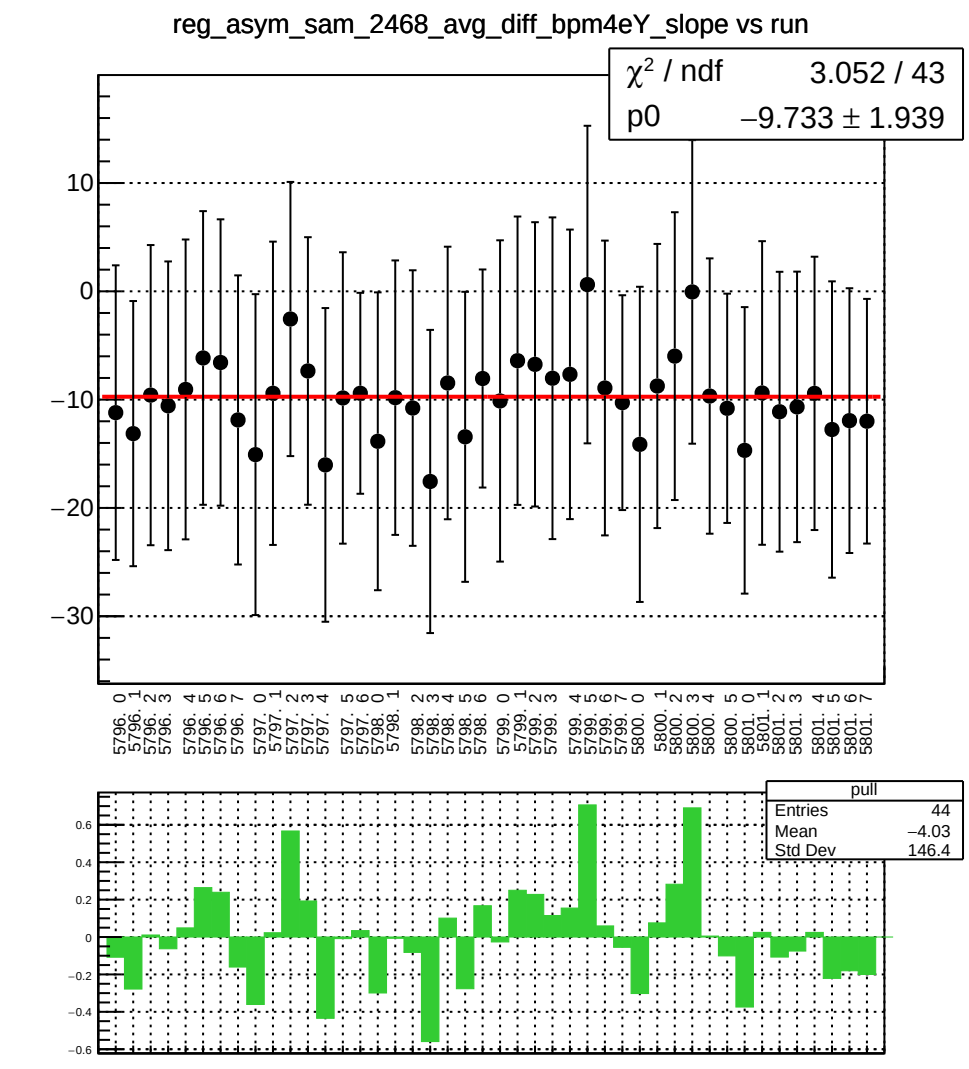

pull1D
Entries 44
Mean −0.001302
Std Dev 0.1419

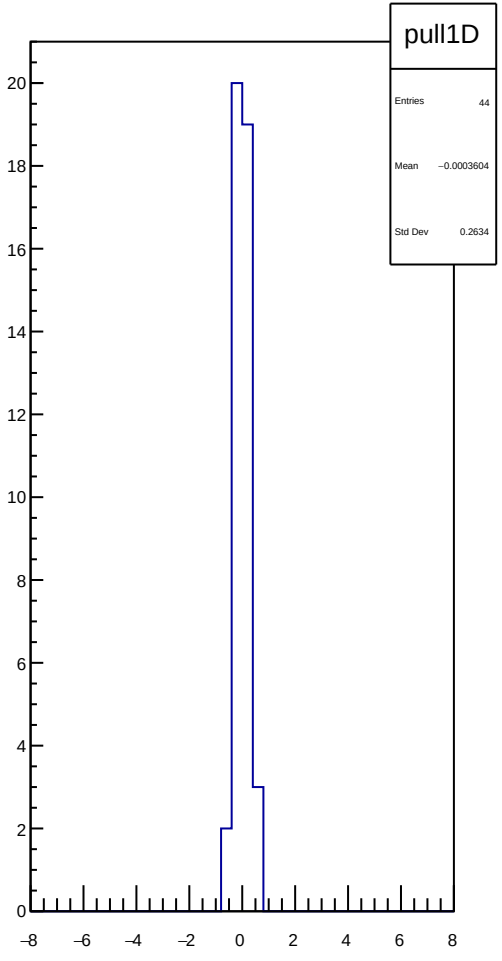

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.861 / 43
p0 −16.1 ± 1.776
pull
Entries 44
Mean −62.8
Std Dev 89.15

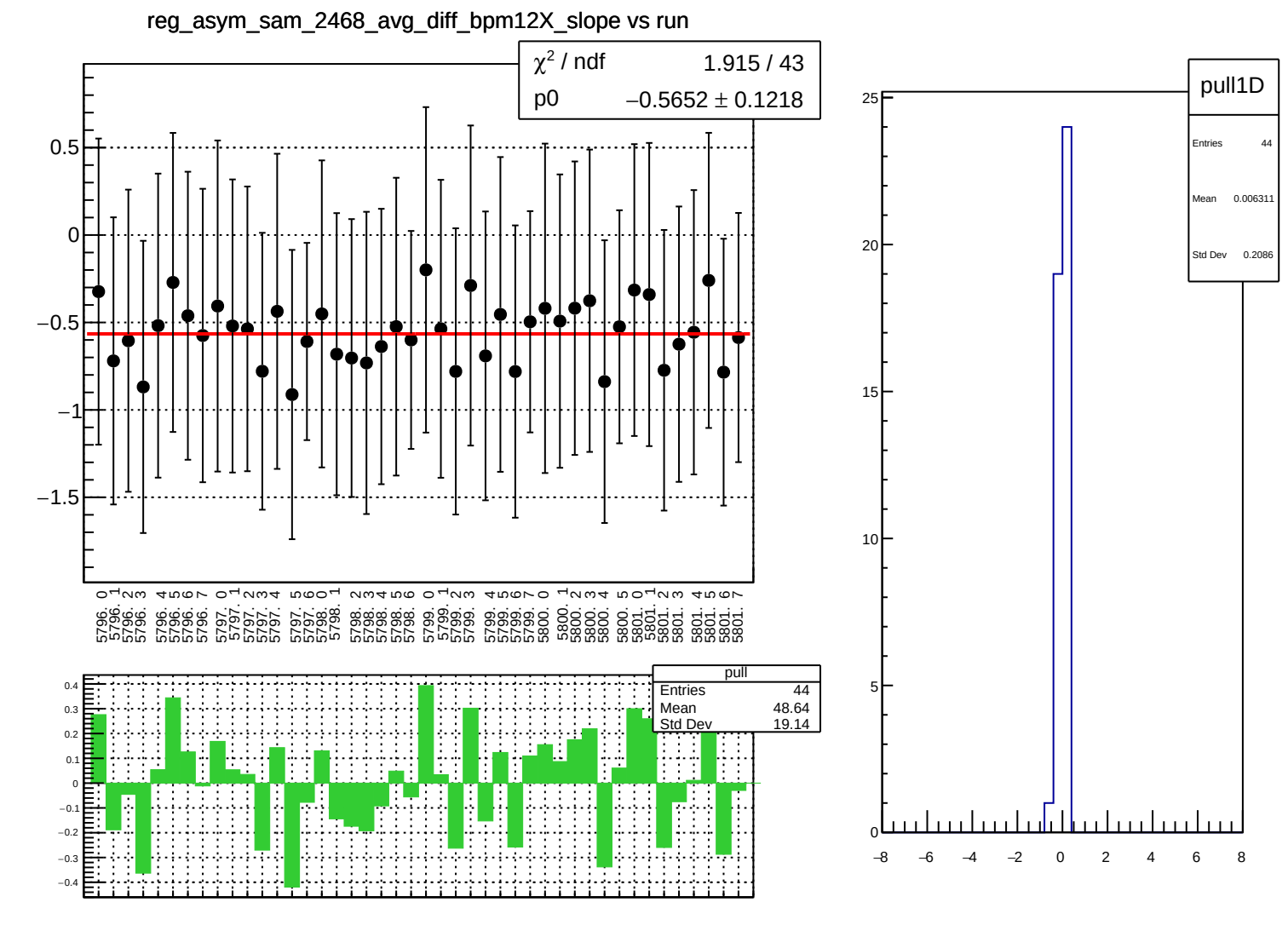

pull1D
Entries 44
Mean −0.005361
Std Dev 0.2962

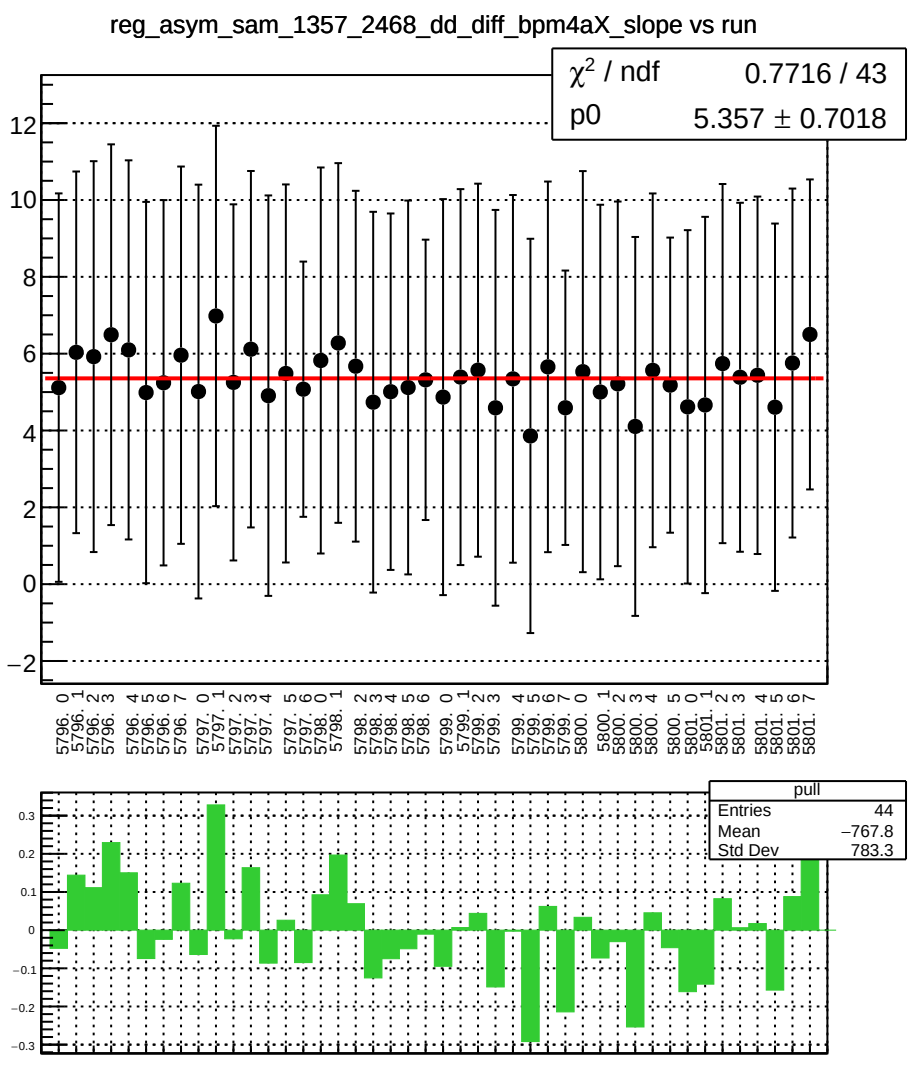

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.7385 / 43
p0 −82.62 ± 2.619
pull
Entries 44
Mean 410.4
Std Dev 400.7

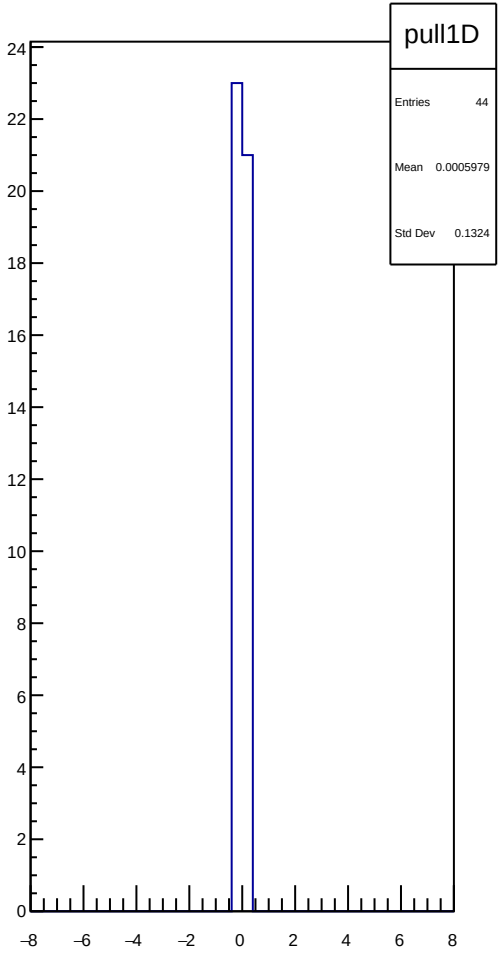

pull1D
Entries 44
Mean −0.0004995
Std Dev 0.1295

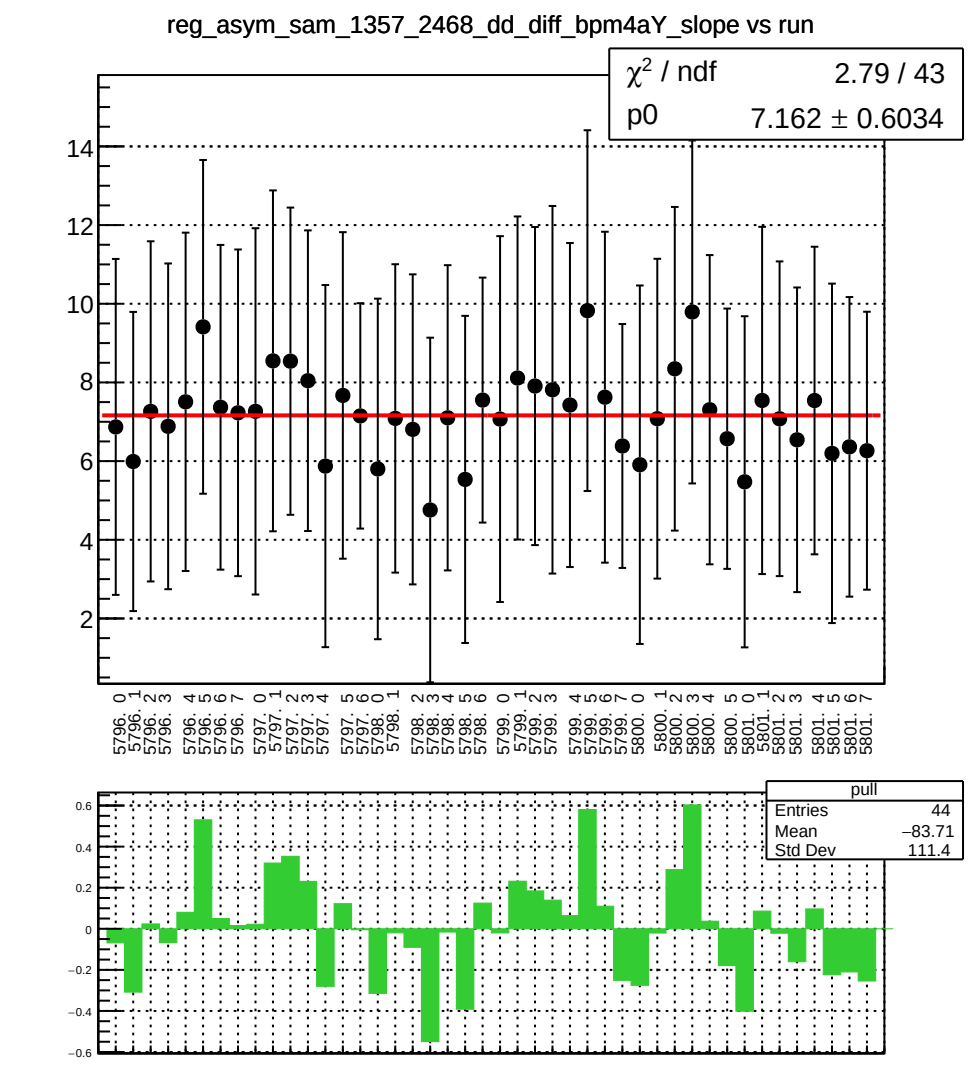

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.052 / 43
p0 −9.733 ± 1.939
pull
Entries 44
Mean −4.03
Std Dev 146.4

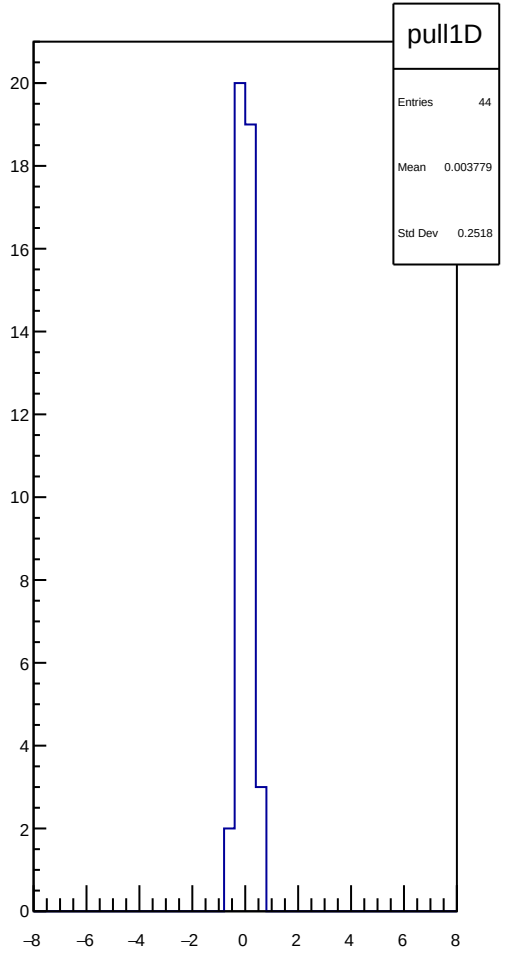

pull1D
Entries 44
Mean −0.0003604
Std Dev 0.2634

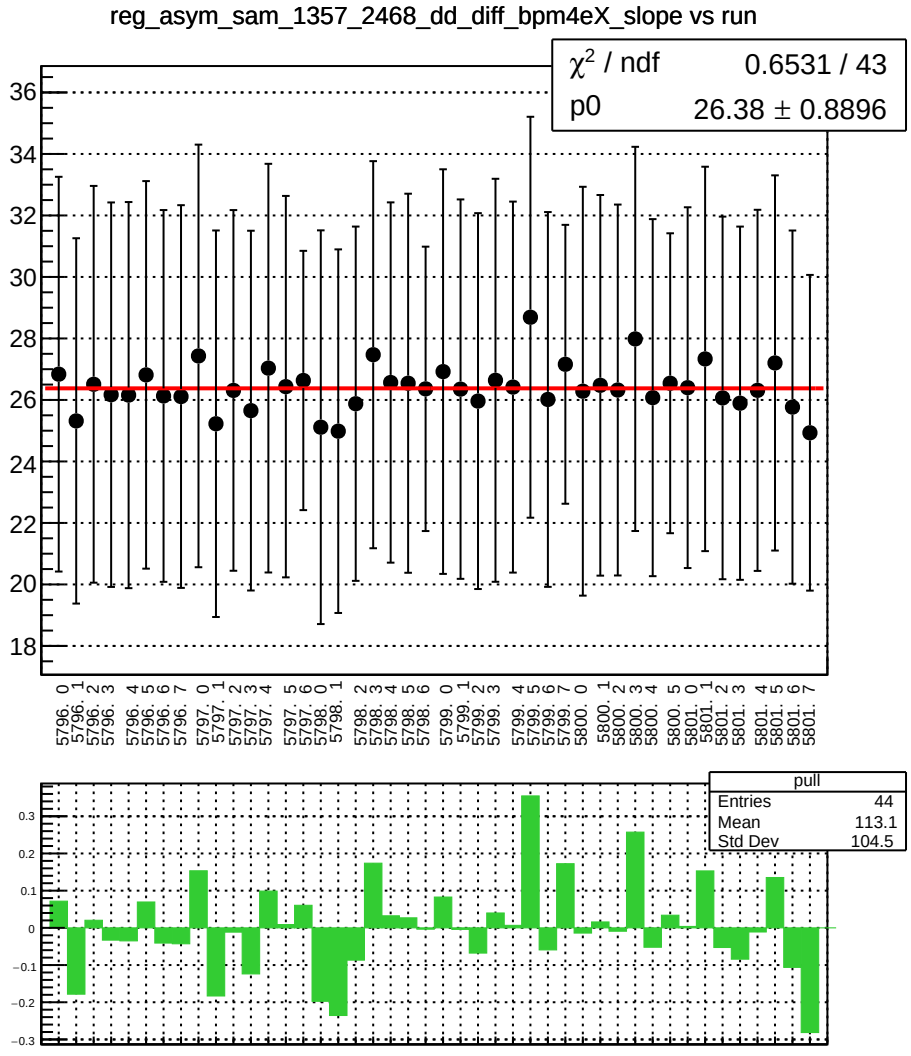

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.915 / 43
p0 −0.5652 ± 0.1218
0.5
0
−0.5
−1
−1.5
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 48.64
Std Dev 19.14
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 44
Mean 0.006311
Std Dev 0.2086
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

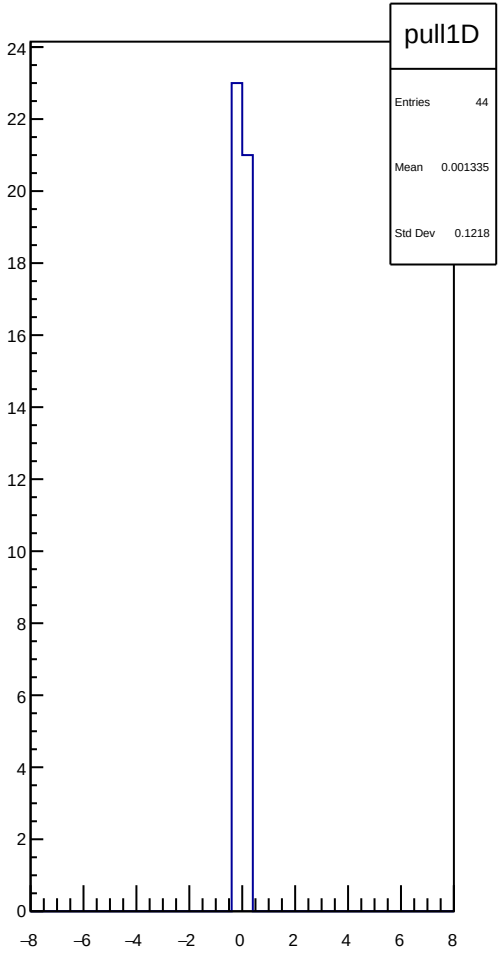

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.7716 / 43
p0 5.357 ± 0.7018
pull
Entries 44
Mean −767.8
Std Dev 783.3

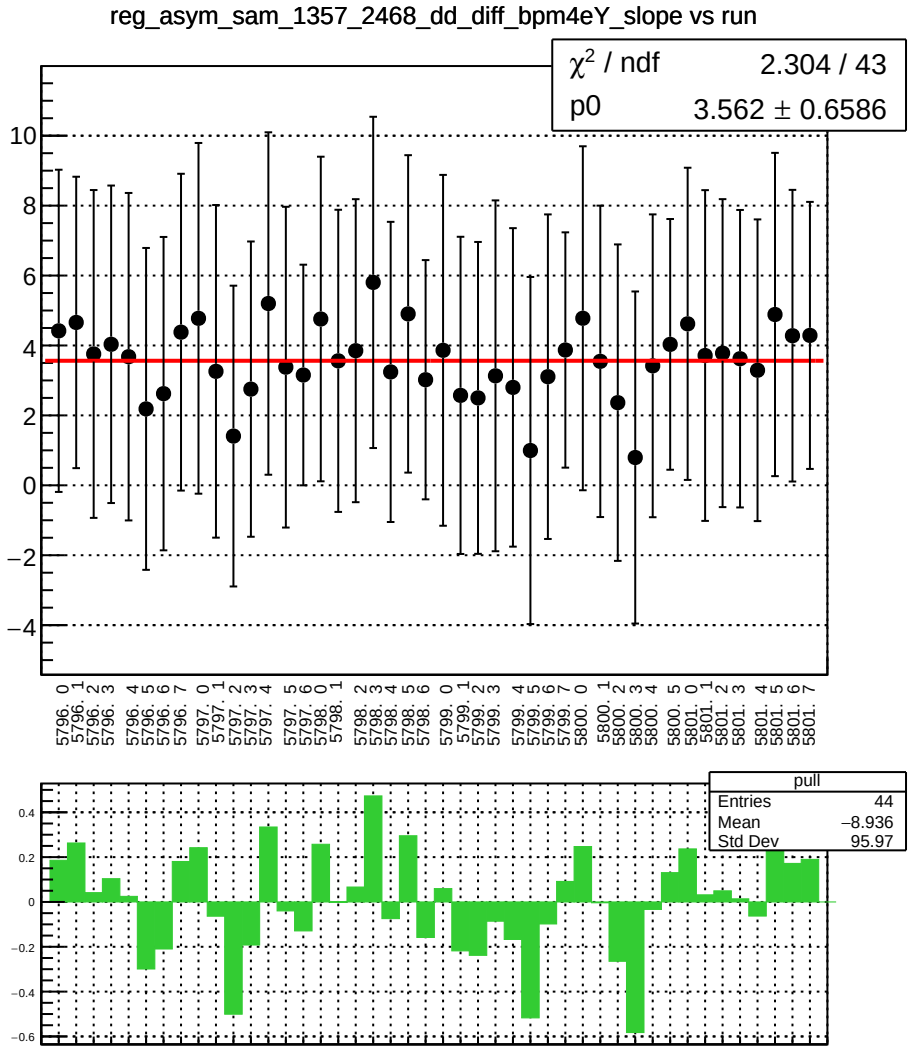

pull1D
Entries 44
Mean 0.0005979
Std Dev 0.1324

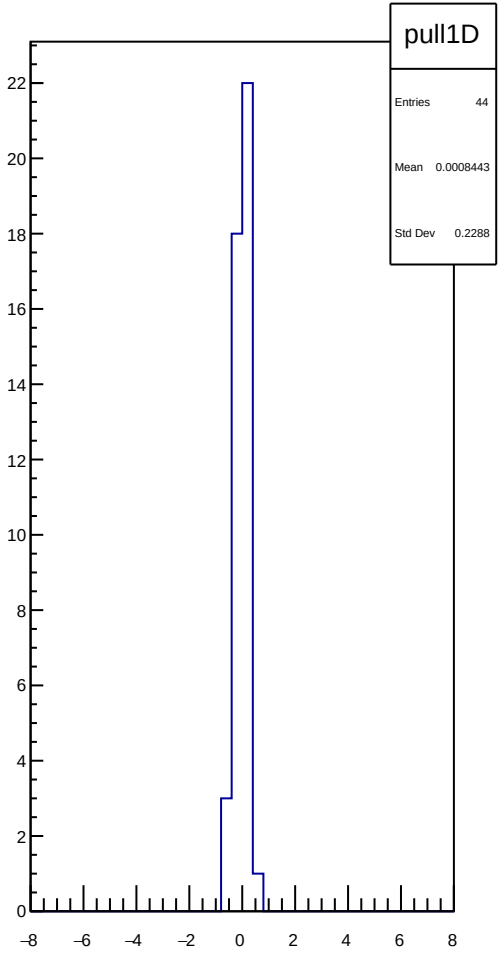

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.79 / 43
p0 7.162 ± 0.6034
pull
Entries 44
Mean −83.71
Std Dev 111.4

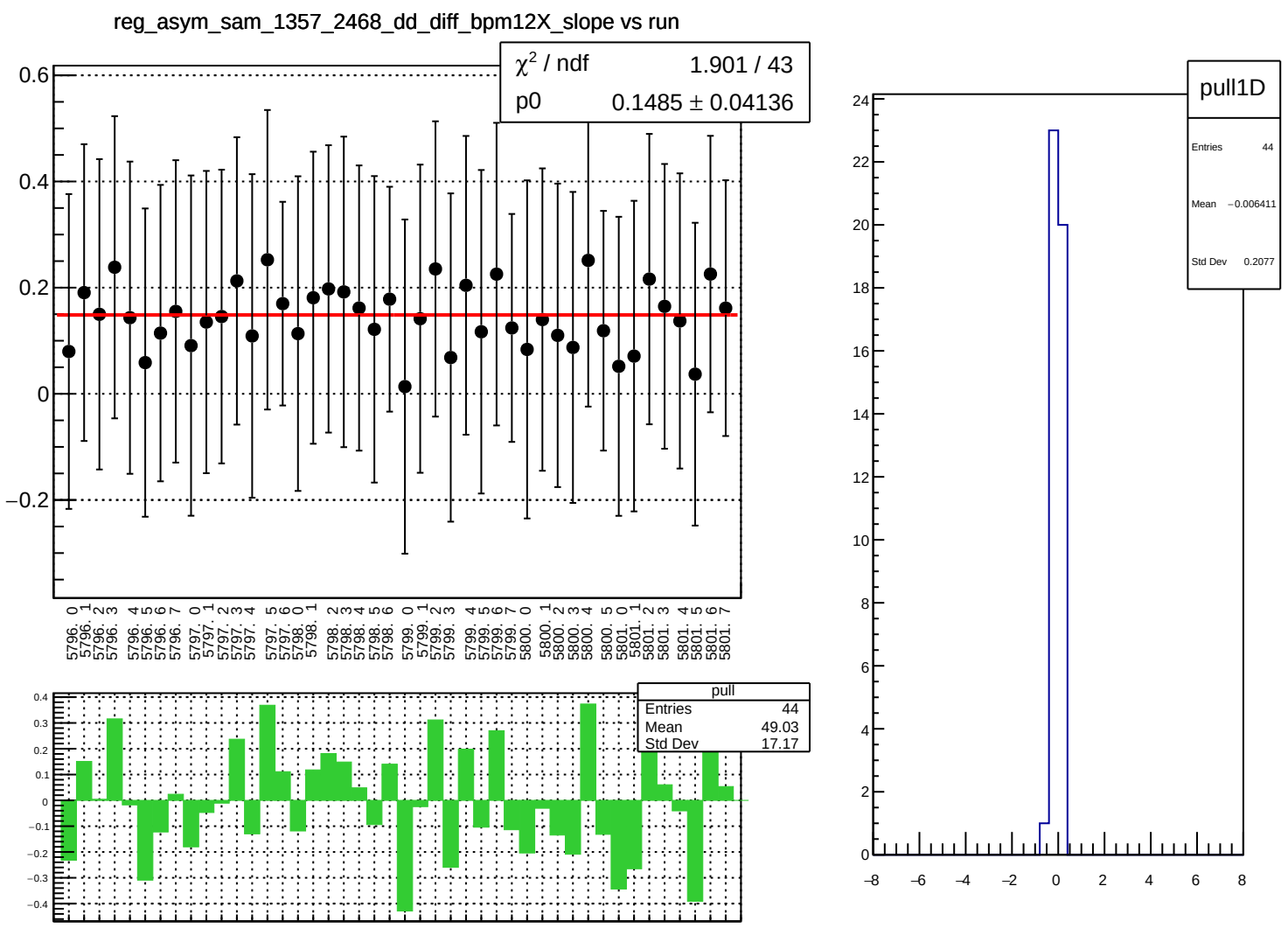

pull1D
Entries 44
Mean 0.003779
Std Dev 0.2518

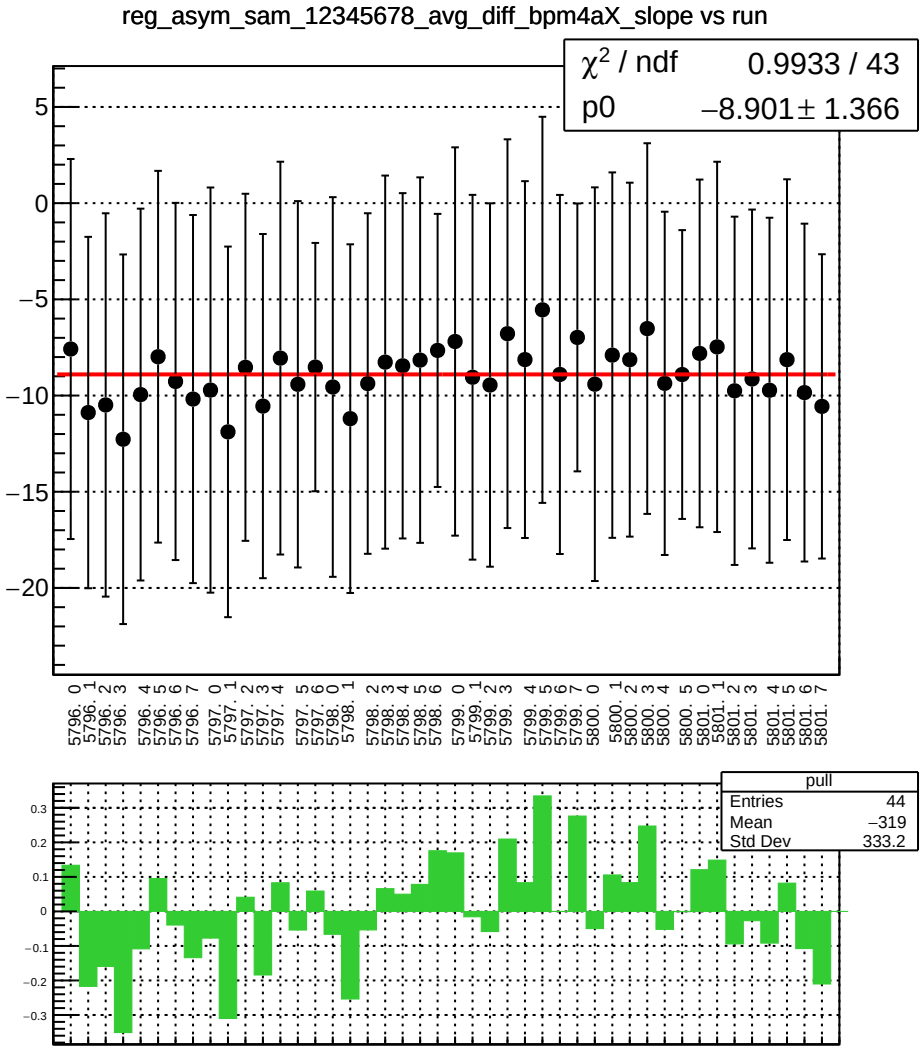

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6531 / 43
p0 26.38 ± 0.8896
pull
Entries 44
Mean 113.1
Std Dev 104.5

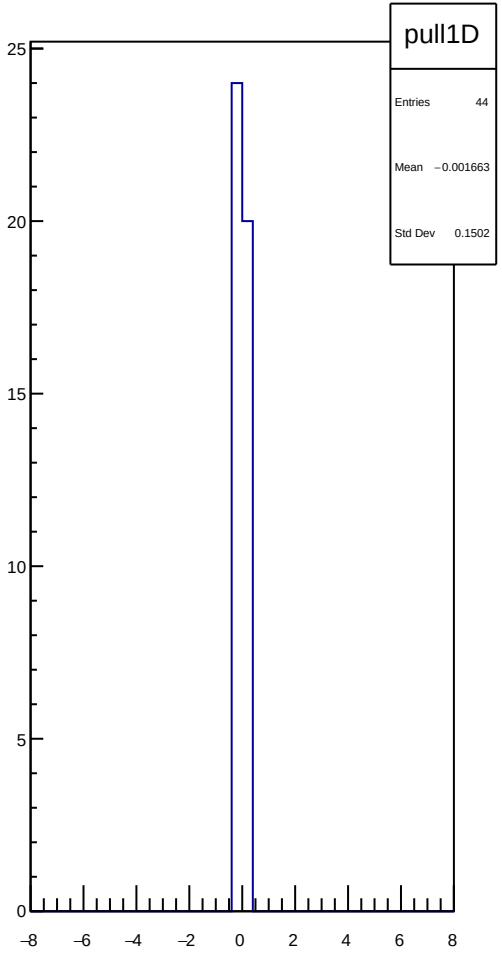

pull1D
Entries 44
Mean 0.001335
Std Dev 0.1218

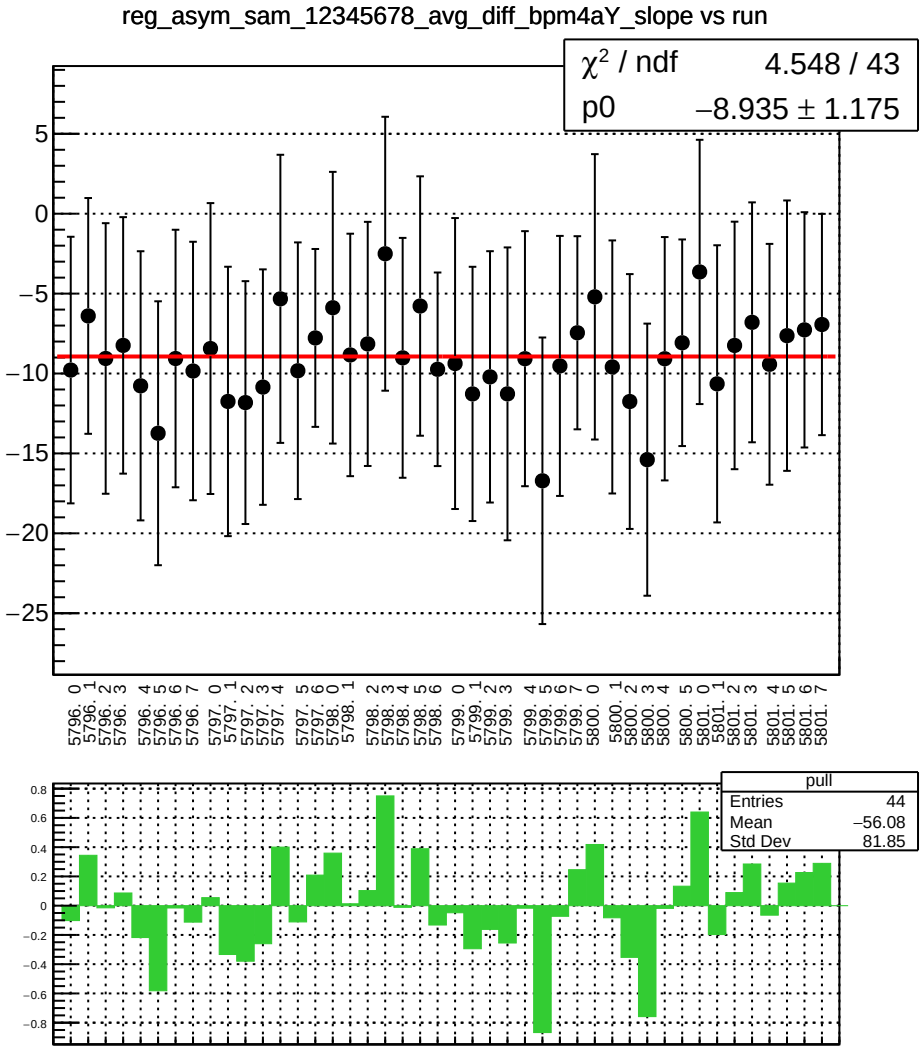

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.304 / 43
p0 3.562 ± 0.6586
pull
Entries 44
Mean −8.936
Std Dev 95.97

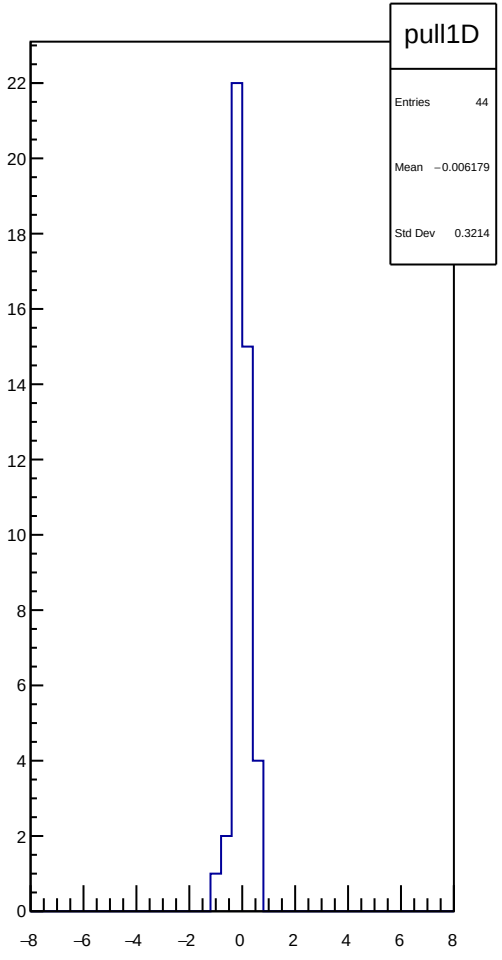

pull1D
Entries 44
Mean 0.0008443
Std Dev 0.2288

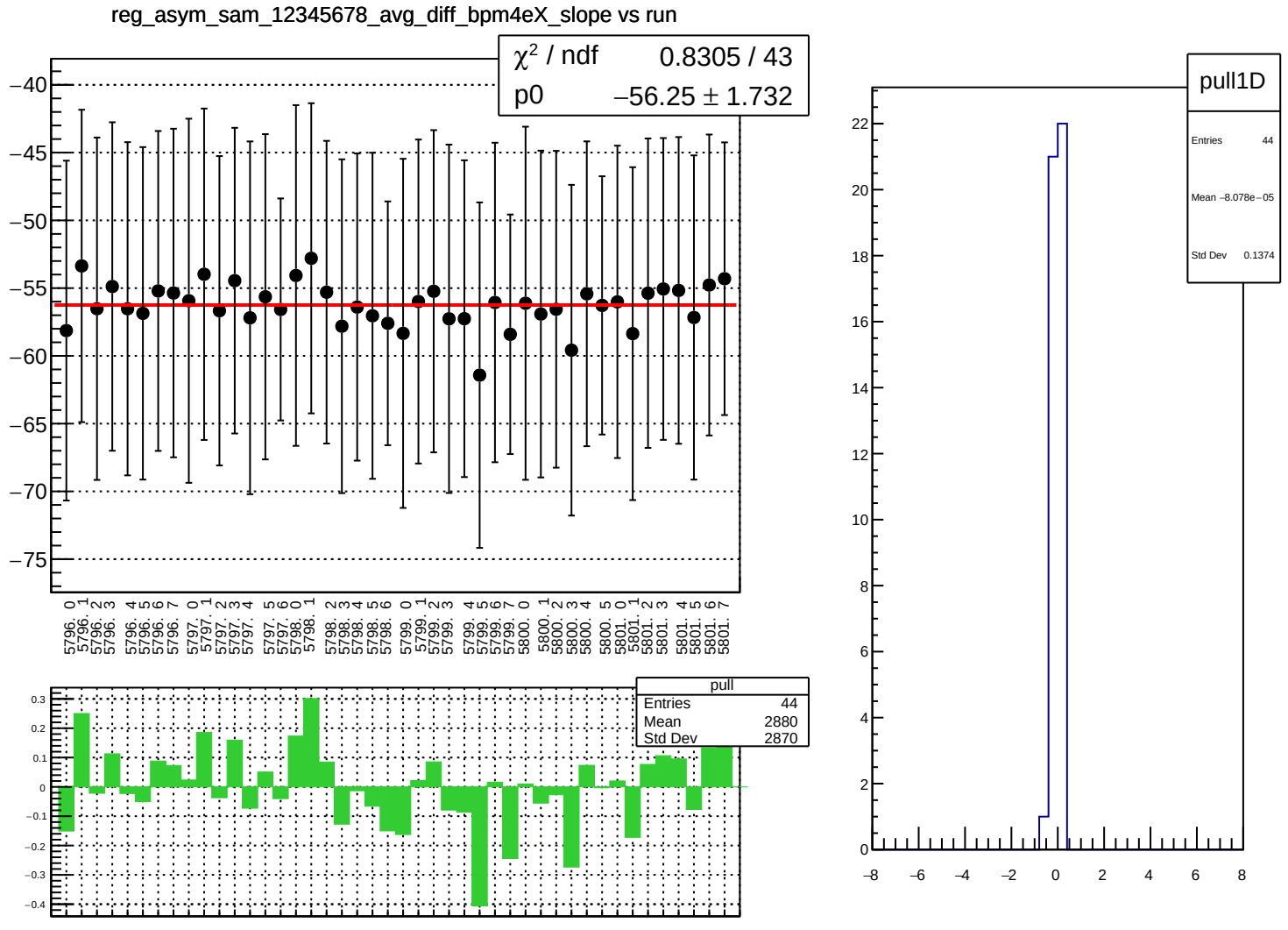

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.901 / 43
p0 0.1485 ± 0.04136
pull
Entries 44
Mean 49.03
Std Dev 17.17
pull1D
Entries 44
Mean −0.006411
Std Dev 0.2077

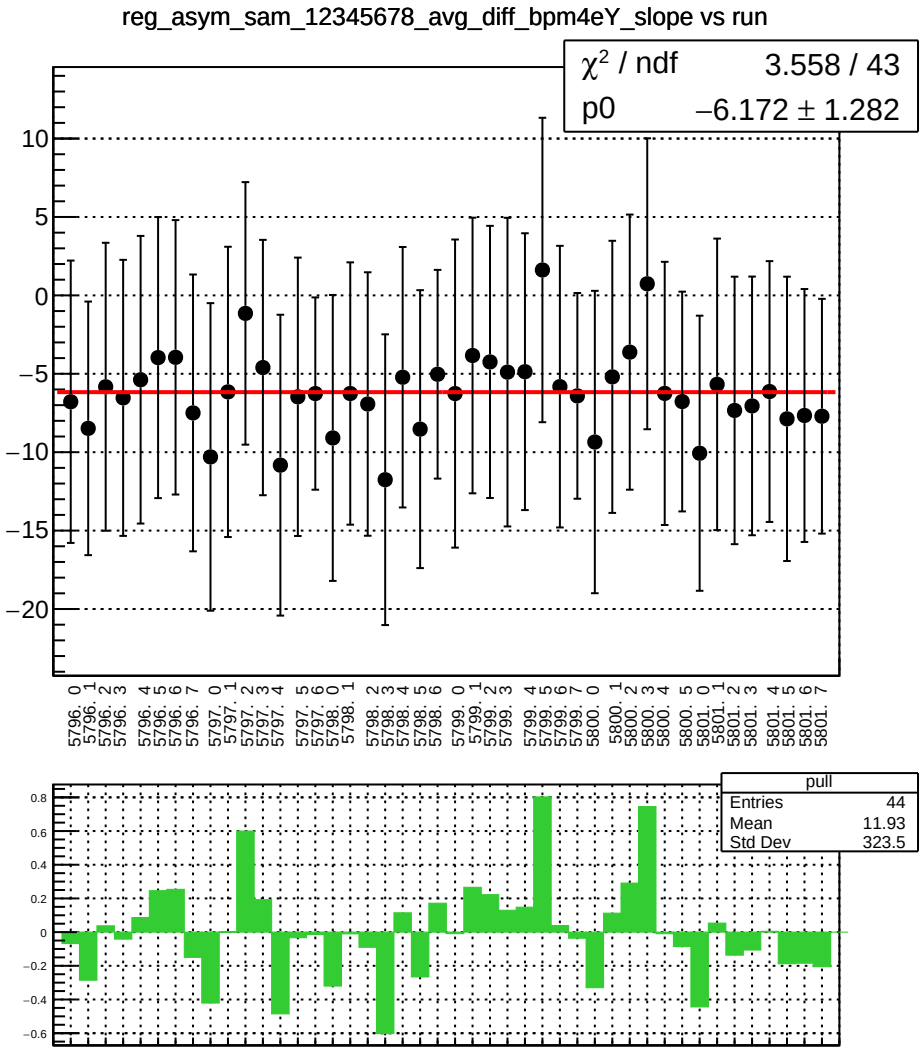

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.9933 / 43
p0 −8.901 ± 1.366
pull
Entries 44
Mean −319
Std Dev 333.2

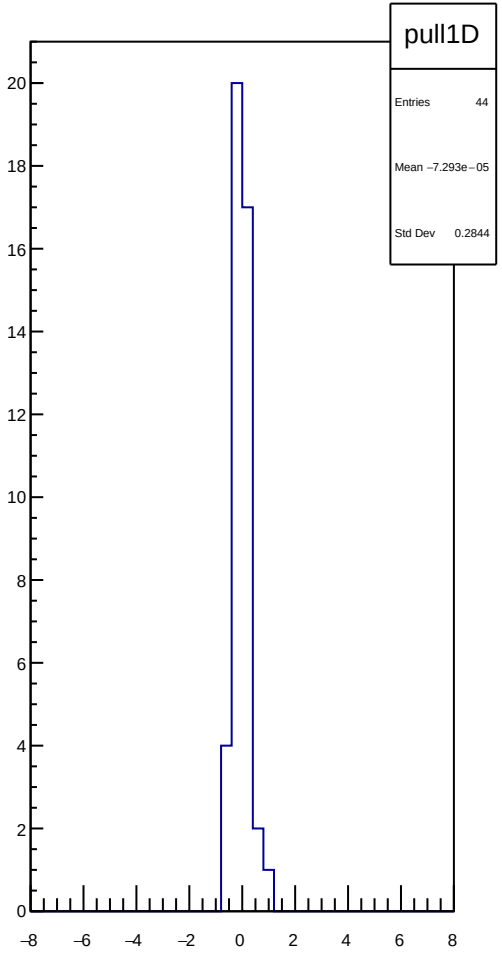

pull1D
Entries 44
Mean −0.001663
Std Dev 0.1502

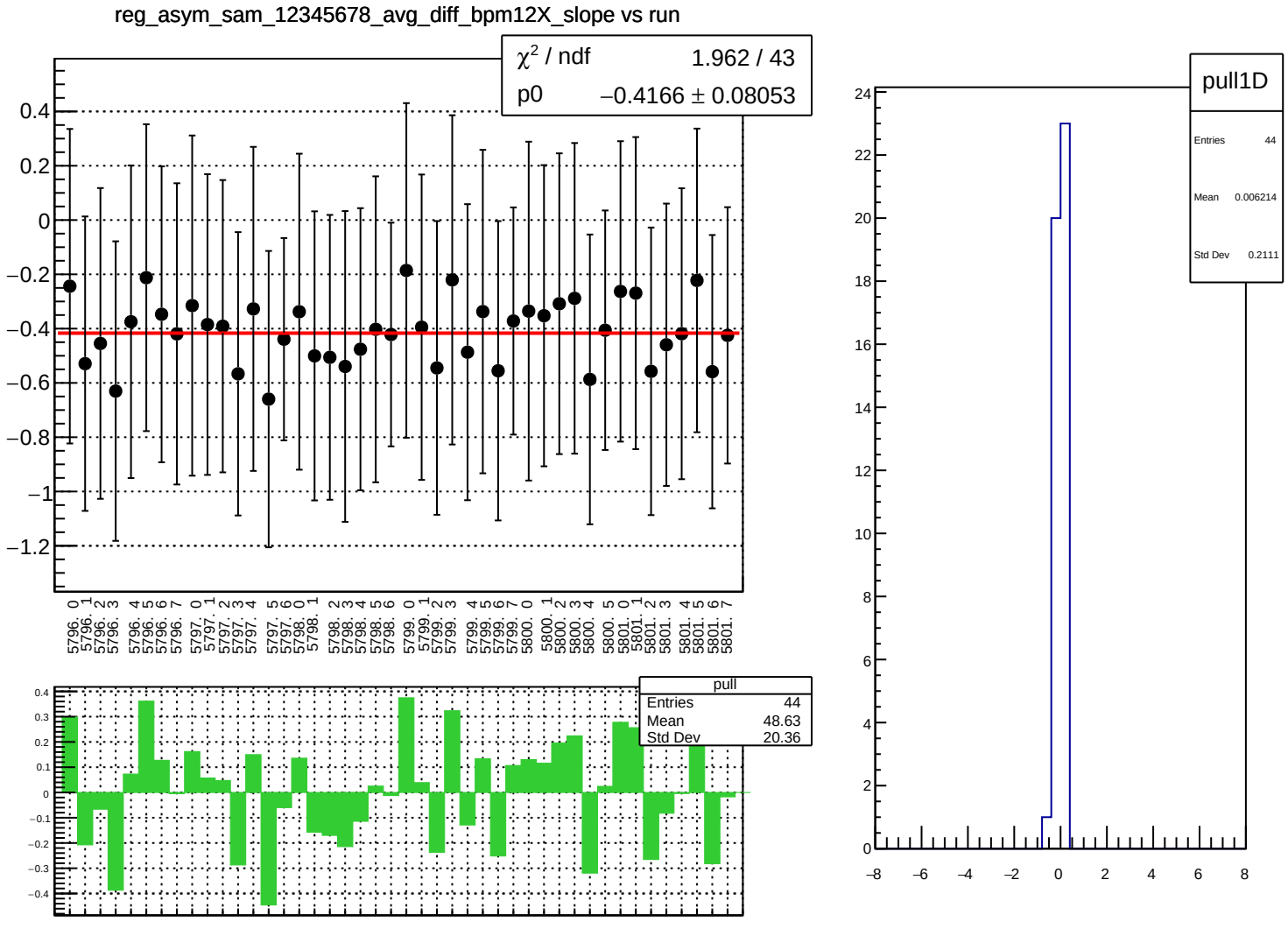

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.548 / 43
p0 −8.935 ± 1.175
pull
Entries 44
Mean −56.08
Std Dev 81.85

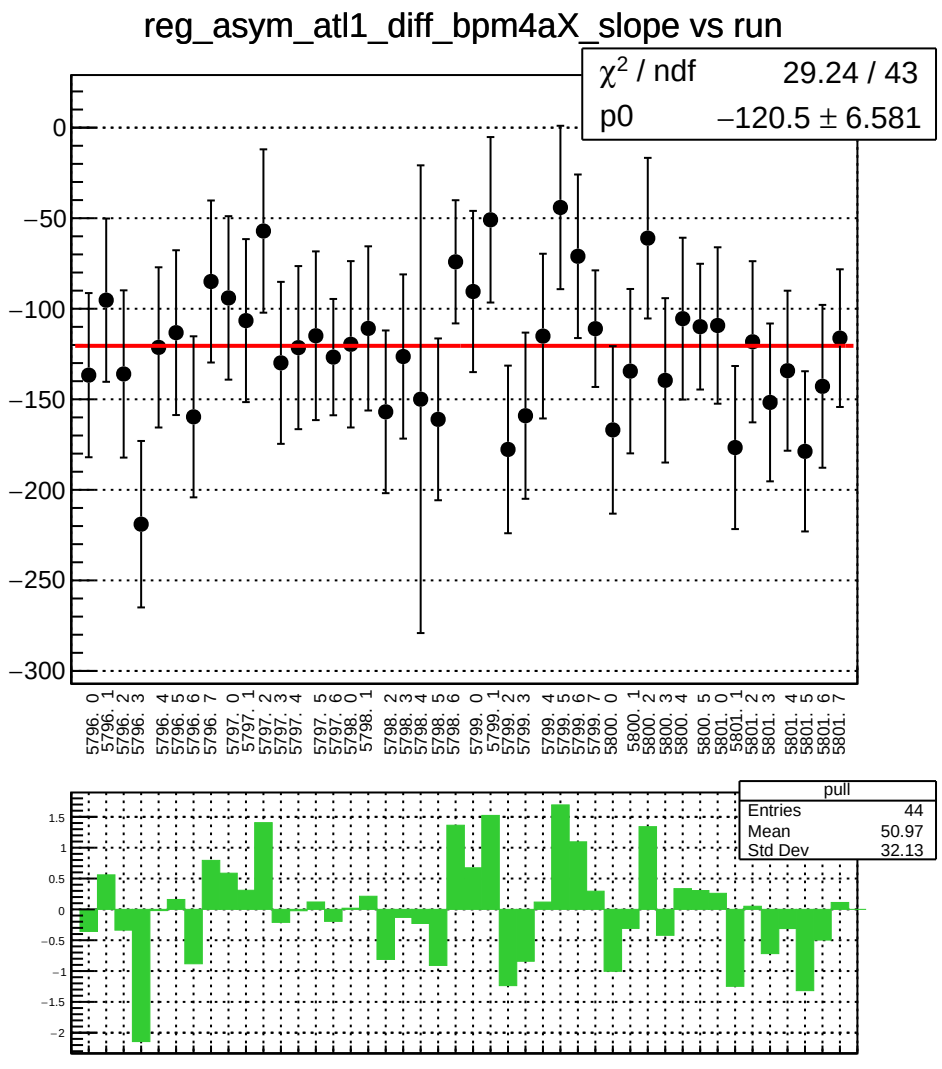

pull1D
Entries 44
Mean −0.006179
Std Dev 0.3214

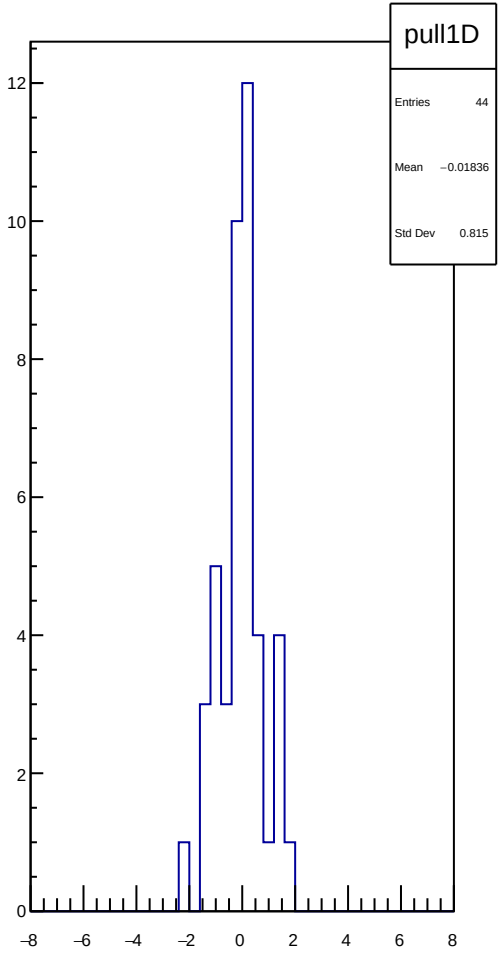

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.8305 / 43
p0 −56.25 ± 1.732
−40
−45
−50
−55
−60
−65
−70
−75
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 2880
Std Dev 2870
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 44
Mean −8.078e−05
Std Dev 0.1374
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

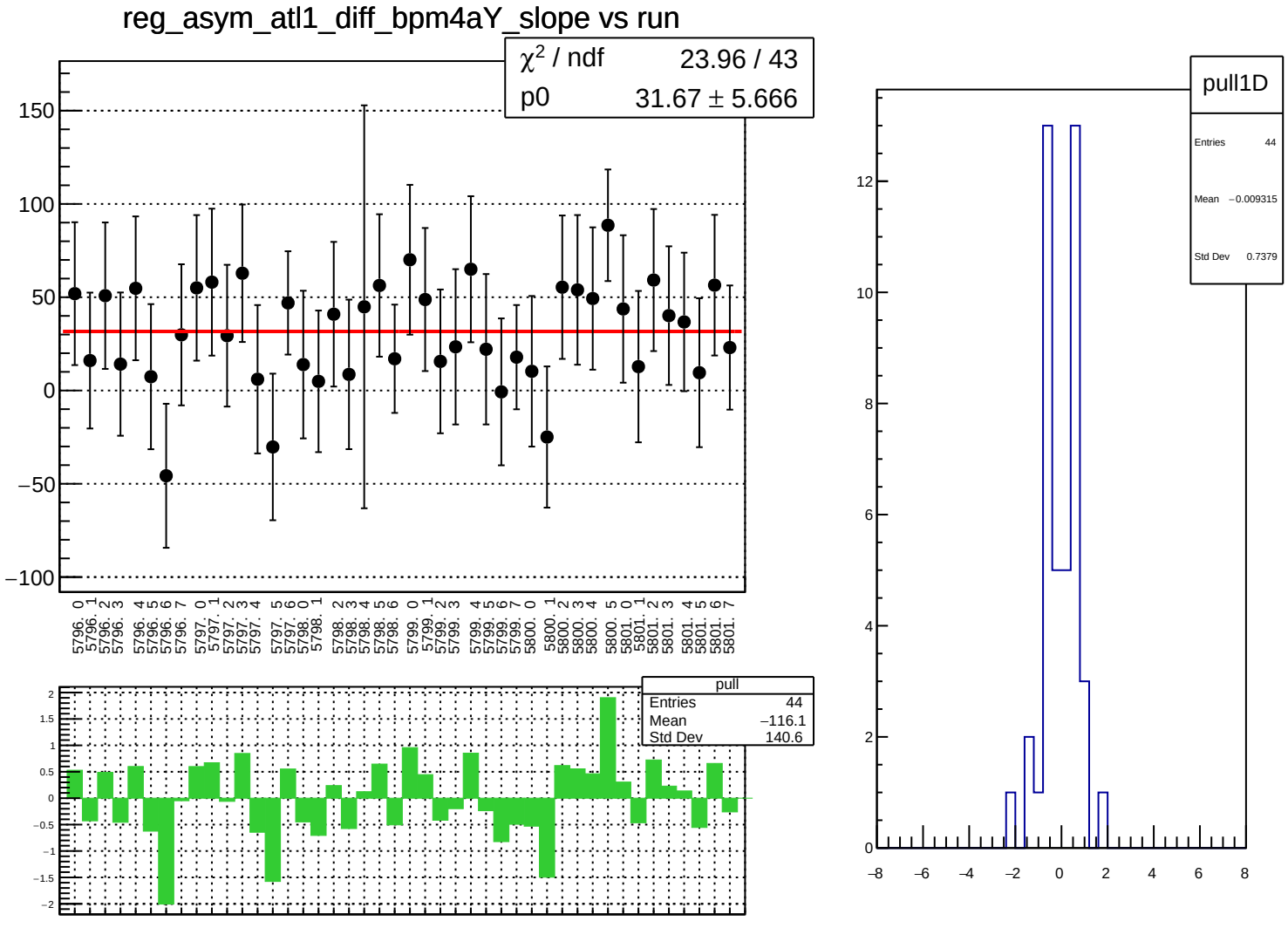

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.558 / 43
p0 −6.172 ± 1.282
pull
Entries 44
Mean 11.93
Std Dev 323.5

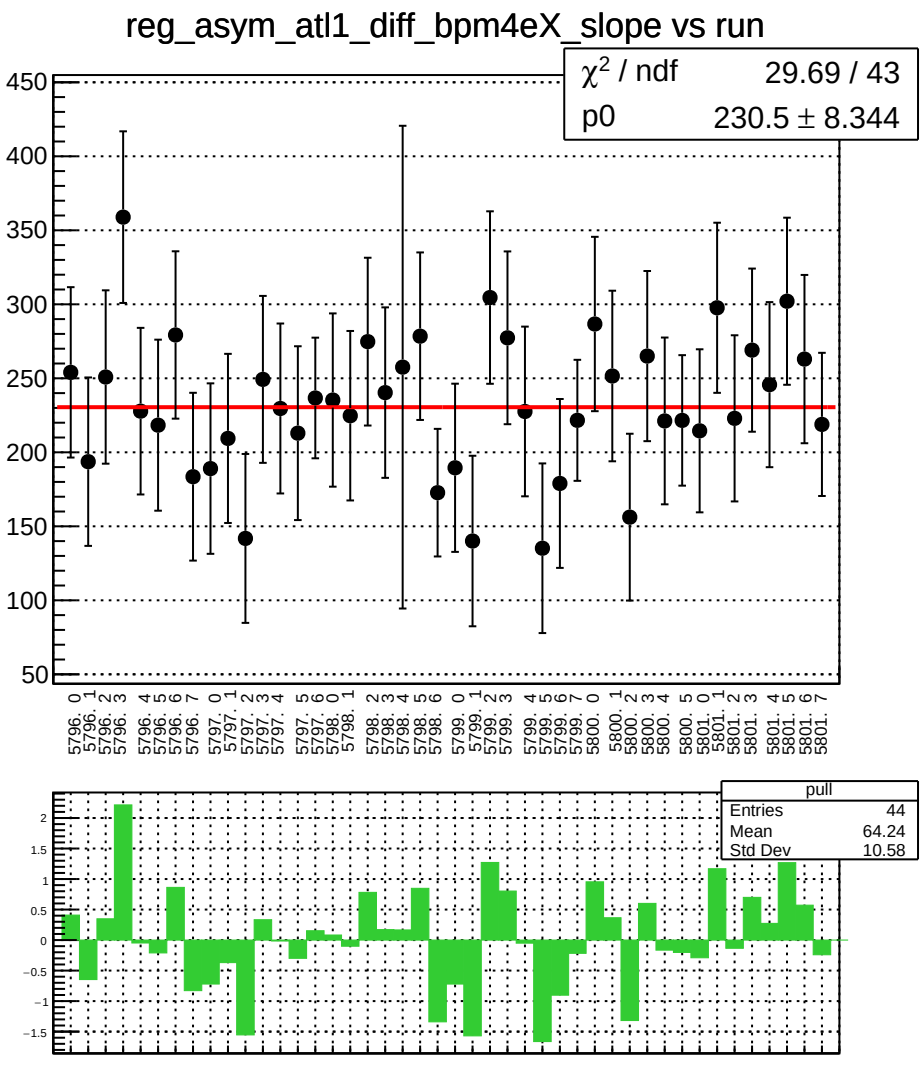

pull1D
Entries 44
Mean −7.293e−05
Std Dev 0.2844

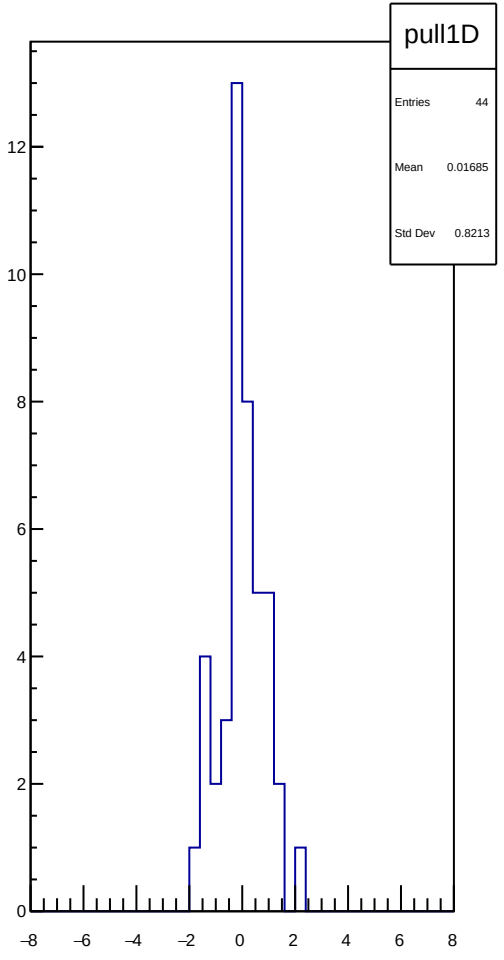

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.962 / 43
p0 −0.4166 ± 0.08053
pull
Entries 44
Mean 48.63
Std Dev 20.36
pull1D
Entries 44
Mean 0.006214
Std Dev 0.2111

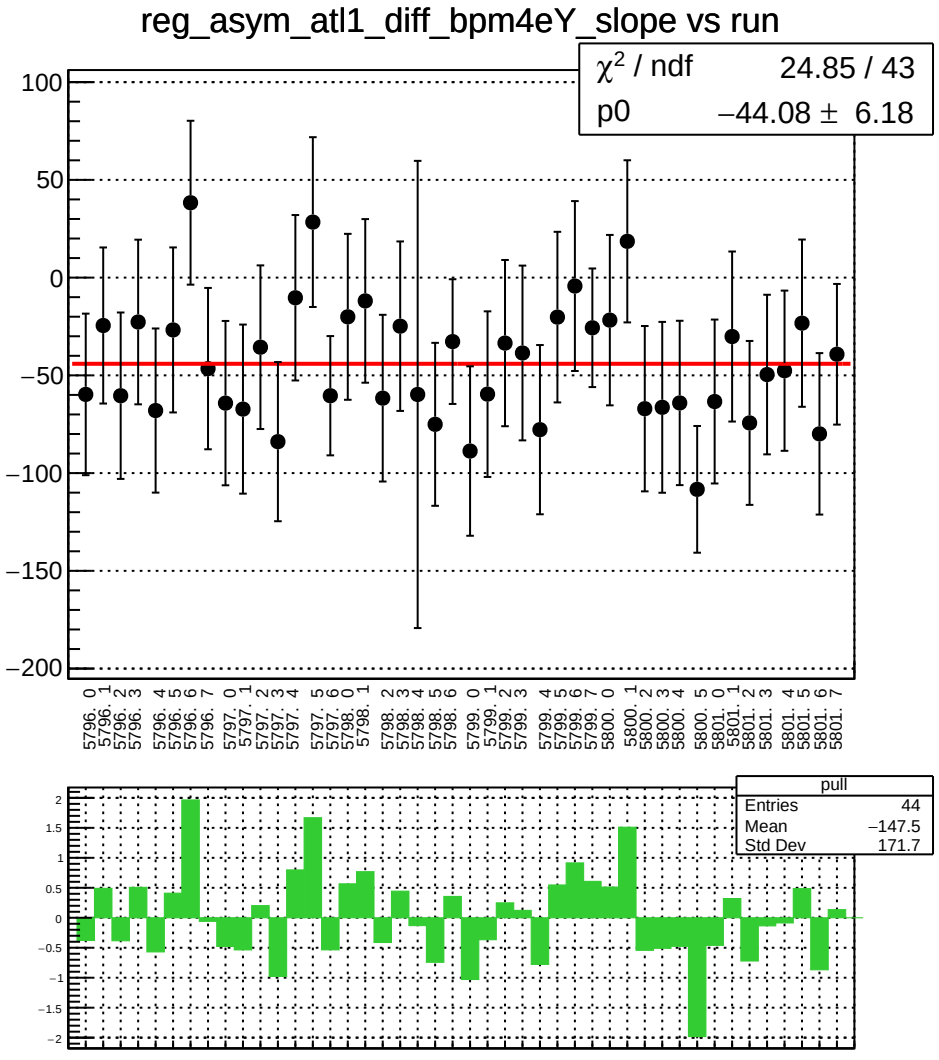

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 29.24 / 43
p0 −120.5 ± 6.581
pull
Entries 44
Mean 50.97
Std Dev 32.13

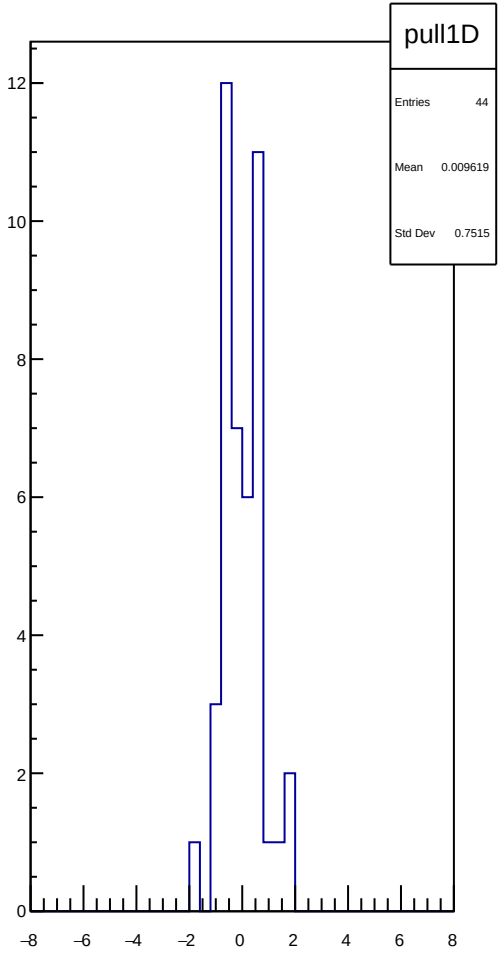

pull1D
Entries 44
Mean −0.01836
Std Dev 0.815

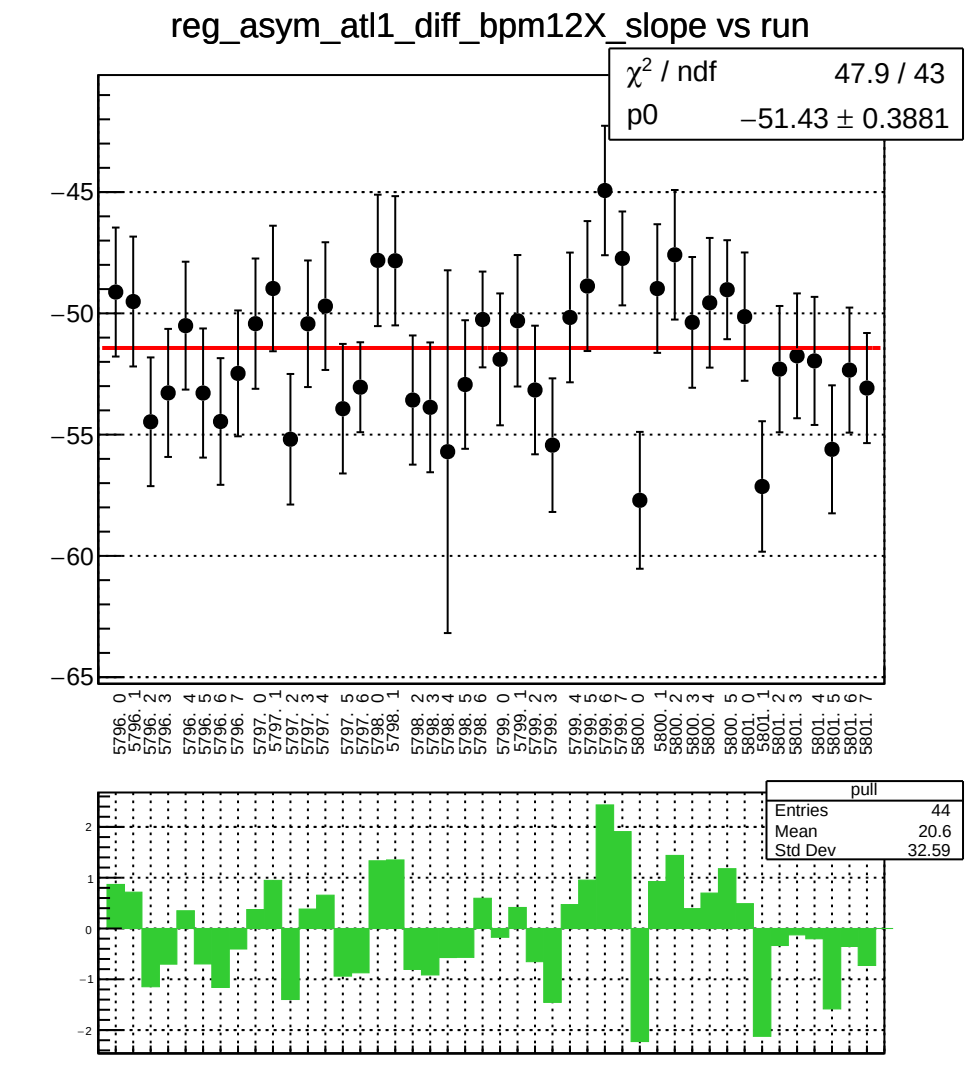

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 23.96 / 43
p0 31.67 ± 5.666
150
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −116.1
Std Dev 140.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.009315
Std Dev 0.7379
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

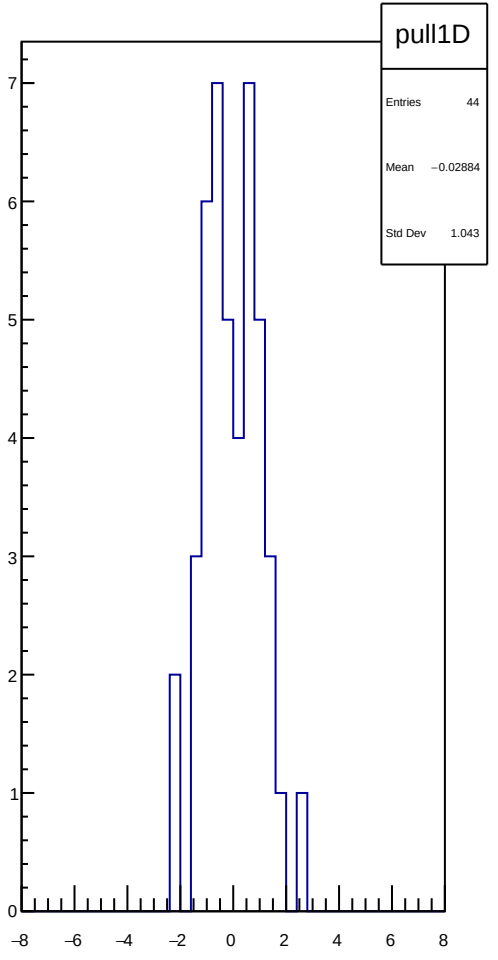

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 29.69 / 43
p0 230.5 ± 8.344
pull
Entries 44
Mean 64.24
Std Dev 10.58

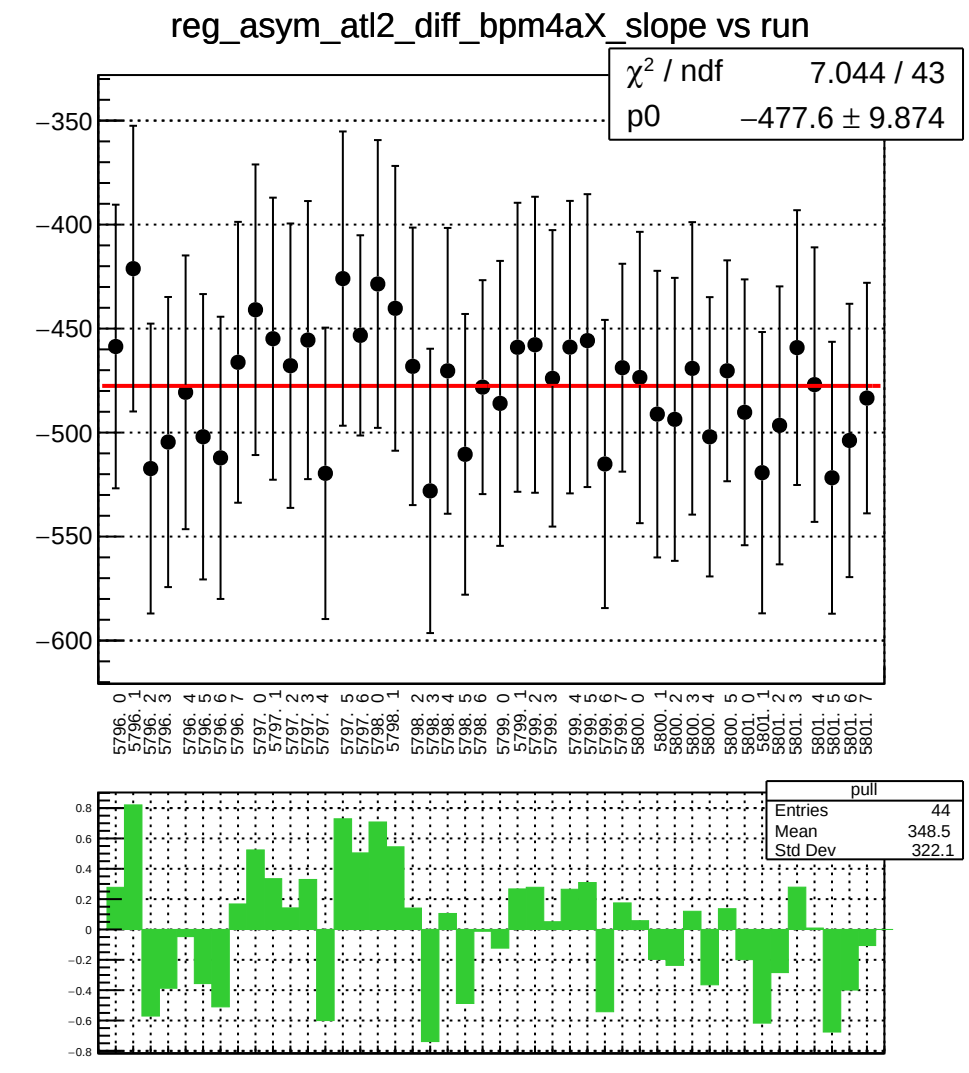

pull1D
Entries 44
Mean 0.01685
Std Dev 0.8213

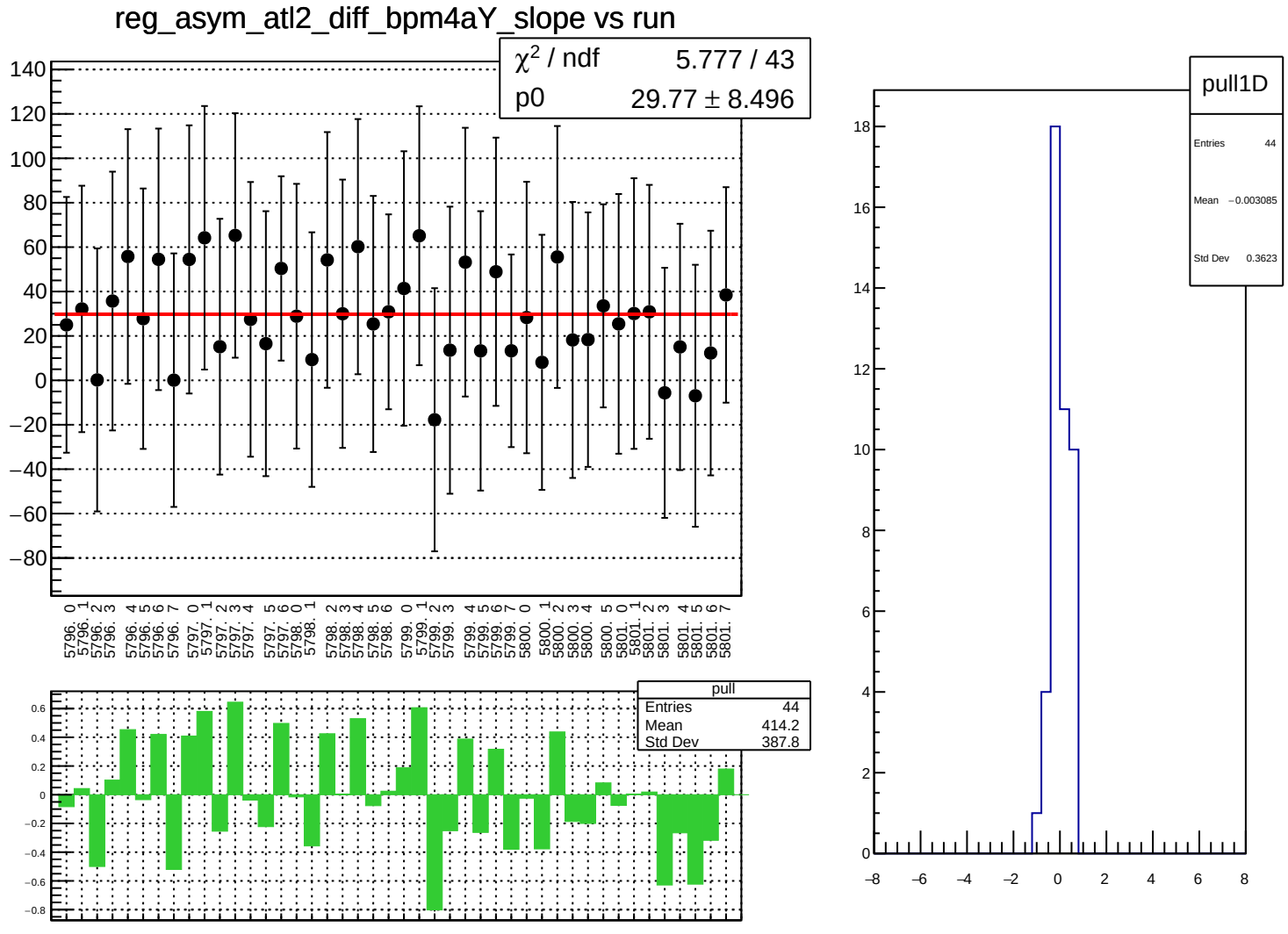

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 24.85 / 43
p0 −44.08 ± 6.18
pull
Entries 44
Mean −147.5
Std Dev 171.7

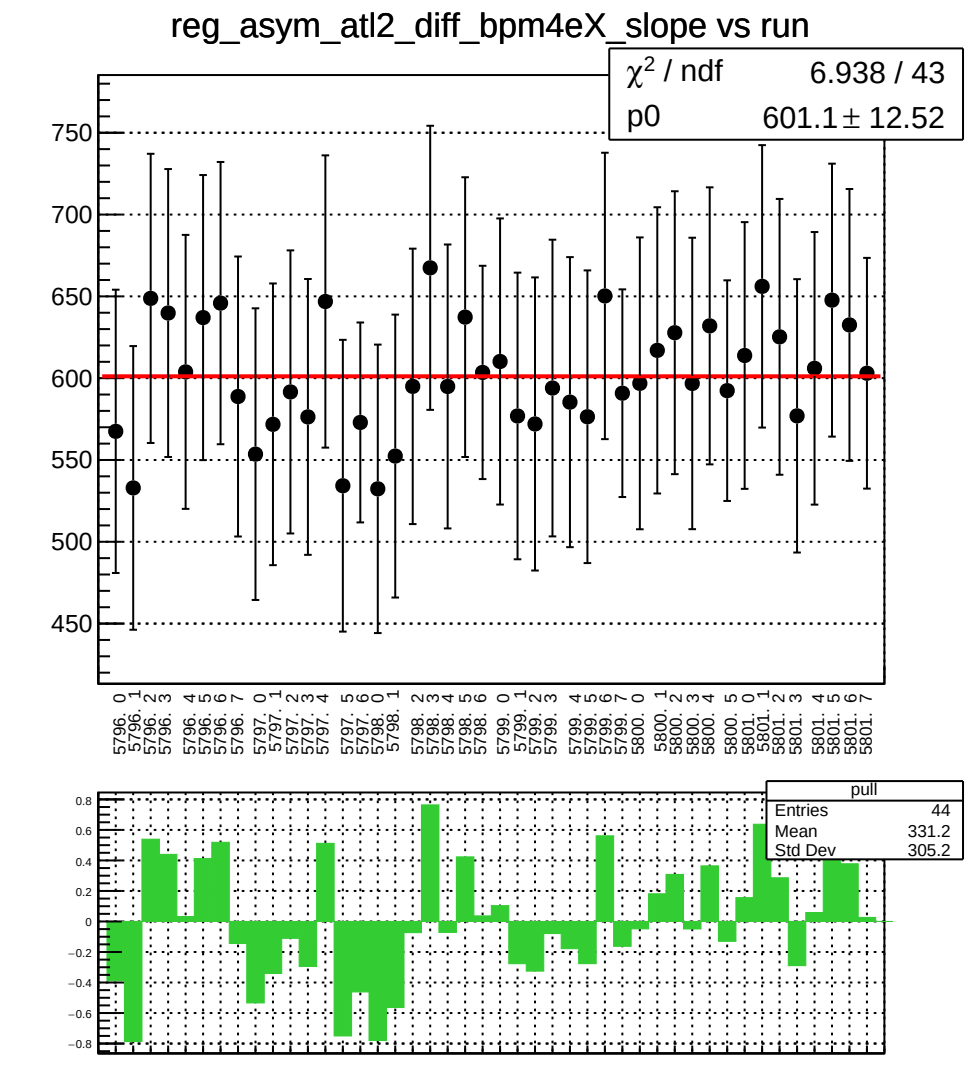

pull1D
Entries 44
Mean 0.009619
Std Dev 0.7515

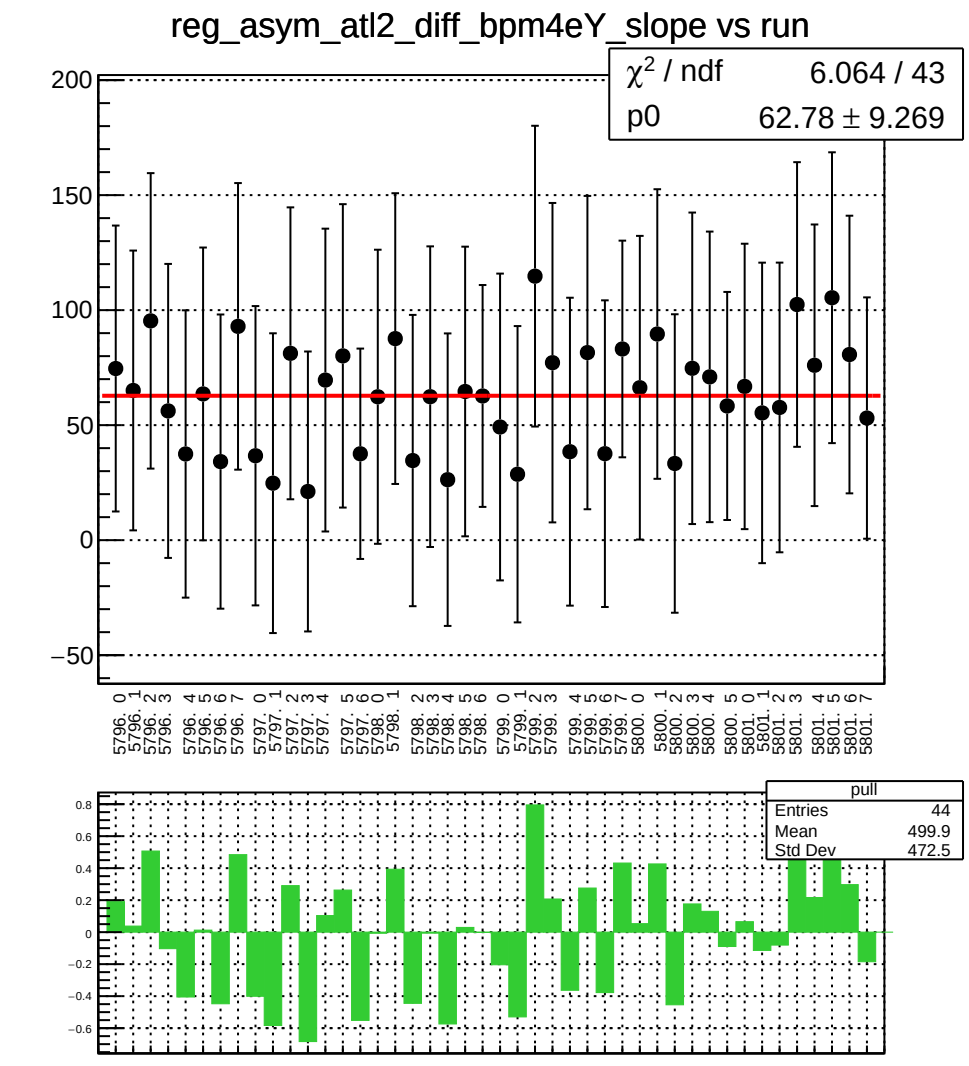

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 47.9 / 43
p0 −51.43 ± 0.3881
−45
−50
−55
−60
−65
pull
Entries 44
Mean 20.6
Std Dev 32.59
2
1
0
−1
−2

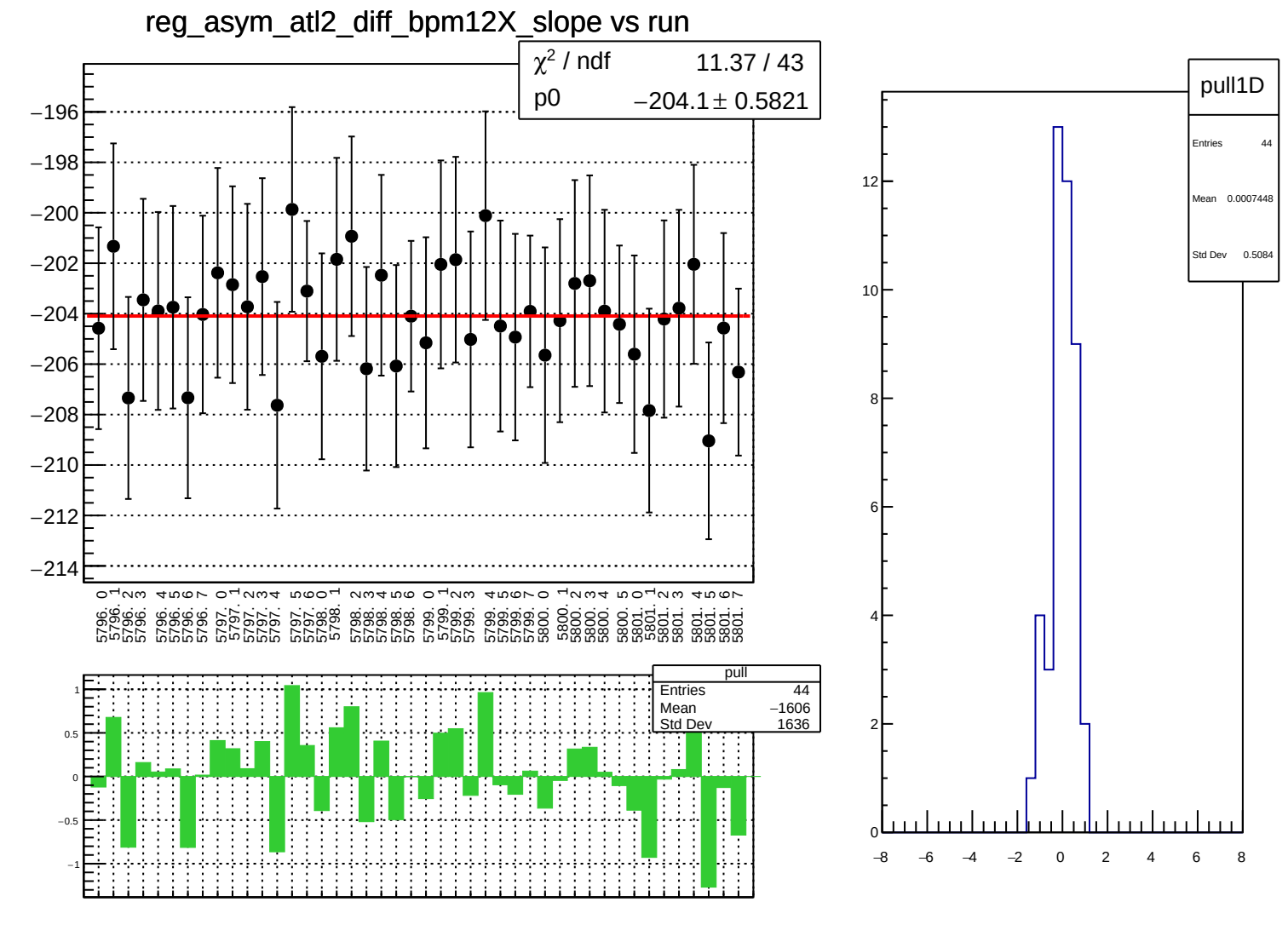

pull1D
Entries 44
Mean −0.02884
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

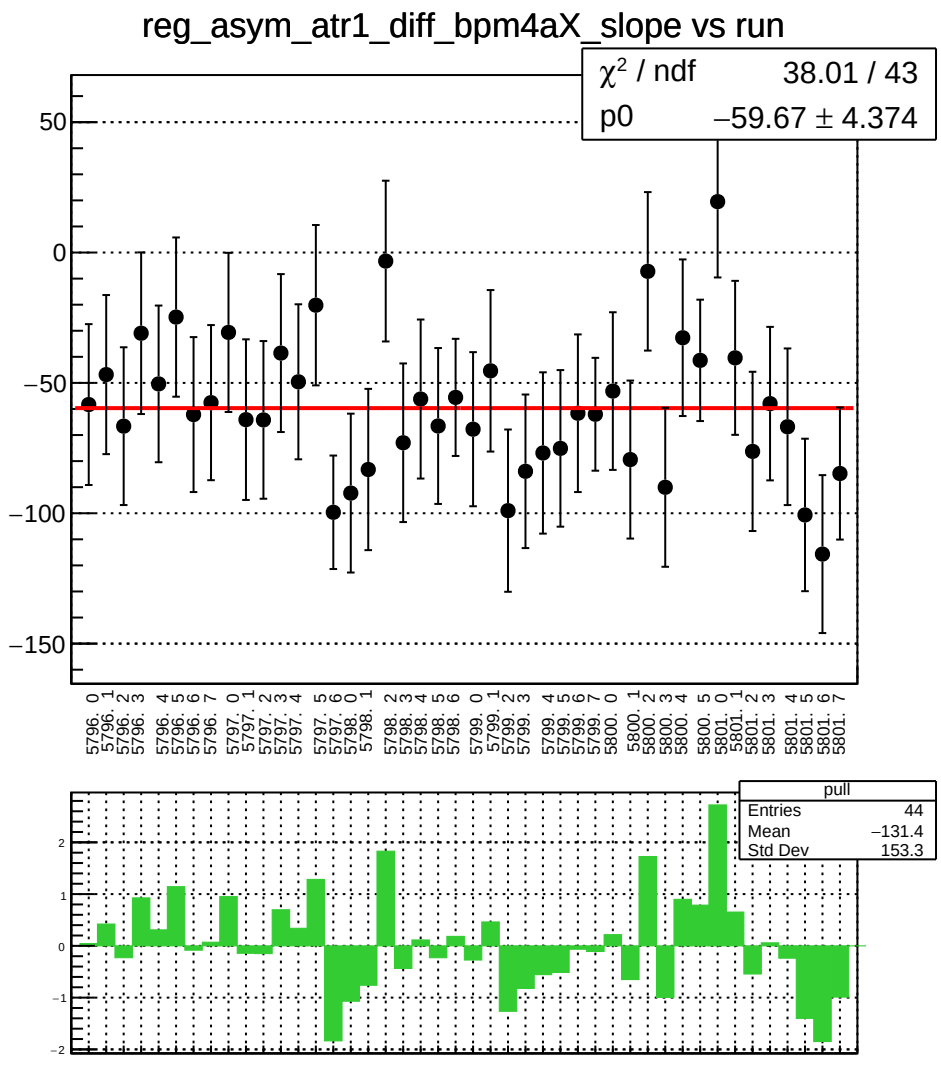

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 7.044 / 43
p0 −477.6 ± 9.874
−350
−400
−450
−500
−550
−600
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 348.5
Std Dev 322.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean −0.003979
Std Dev 0.4001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

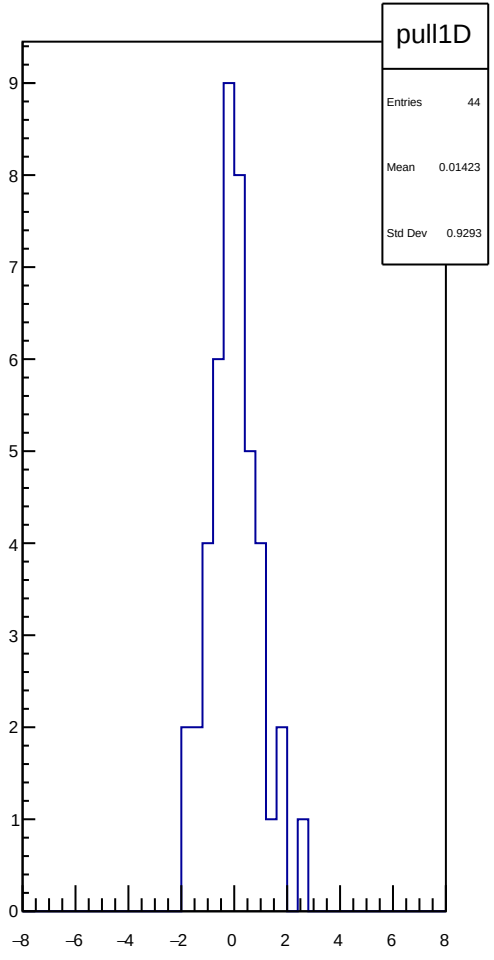

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.777 / 43
p0 29.77 ± 8.496
pull
Entries 44
Mean 414.2
Std Dev 387.8
pull1D
Entries 44
Mean −0.003085
Std Dev 0.3623

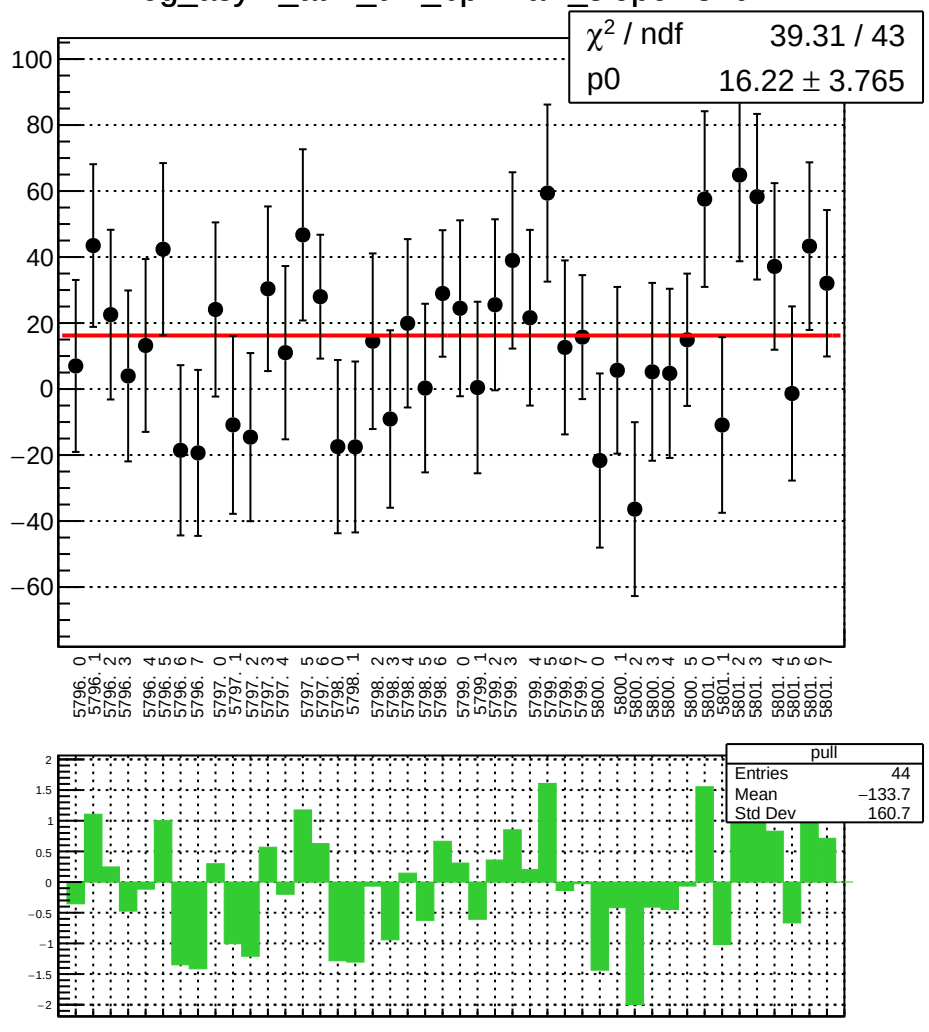

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 6.938 / 43
p0 601.1 ± 12.52
750
700
650
600
550
500
450
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 331.2
Std Dev 305.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean 0.004132
Std Dev 0.3971
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

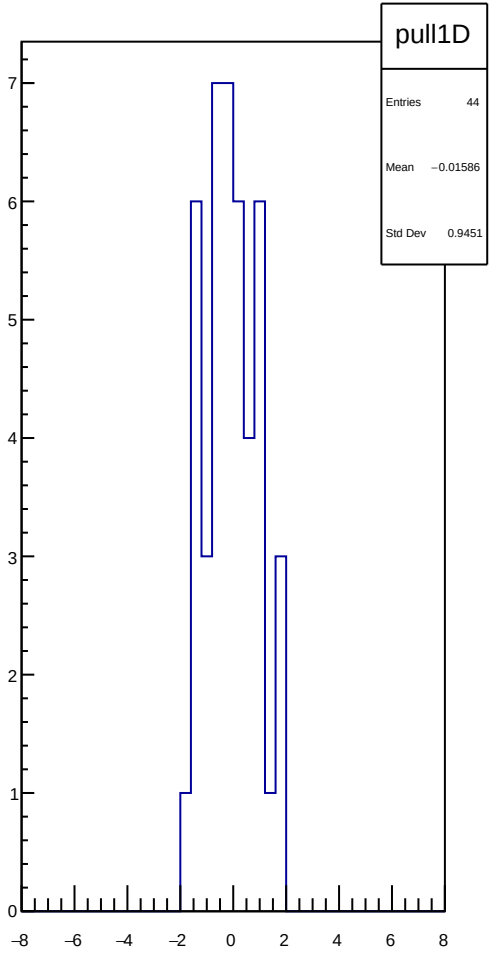

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.064 / 43
p0 62.78 ± 9.269
200
150
100
50
0
−50
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 499.9
Std Dev 472.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 44
Mean 0.002173
Std Dev 0.3712
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

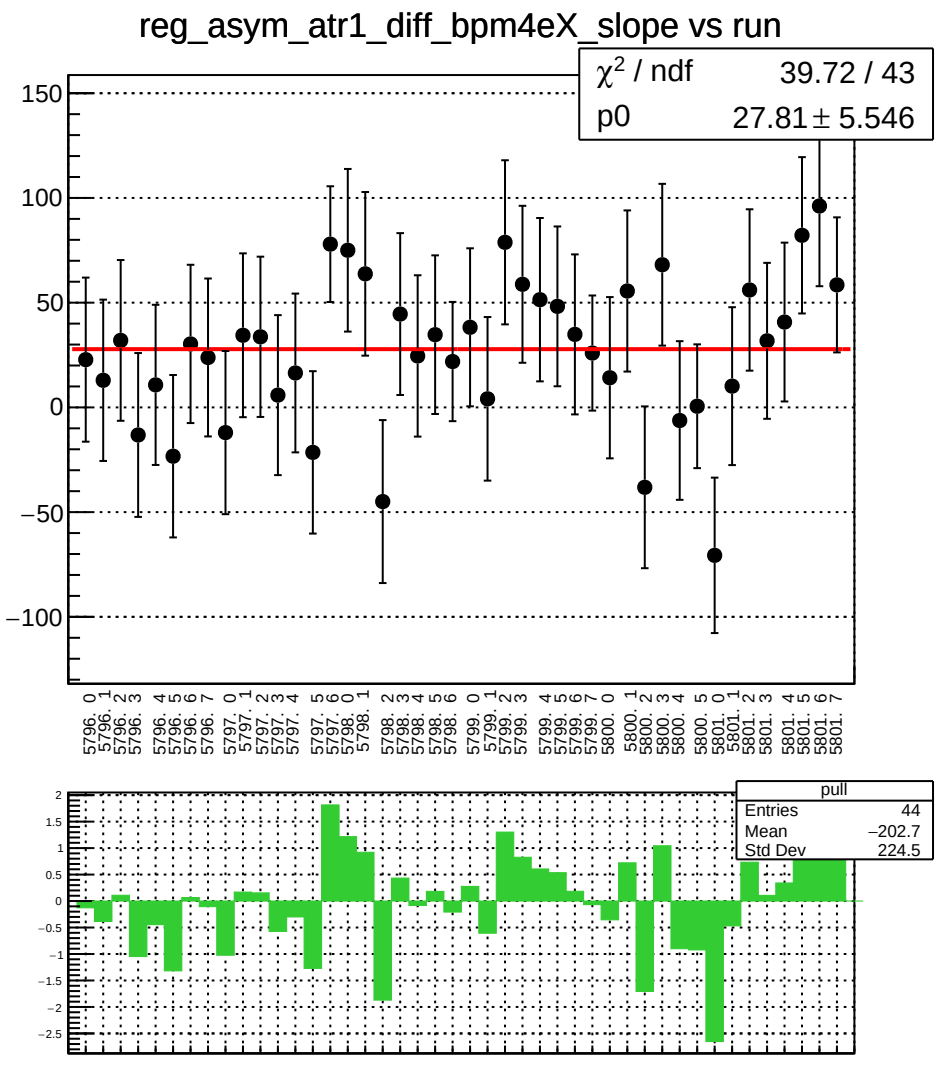

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 11.37 / 43
p0 −204.1 ± 0.5821
pull
Entries 44
Mean −1606
Std Dev 1636
pull1D
Entries 44
Mean 0.0007448
Std Dev 0.5084

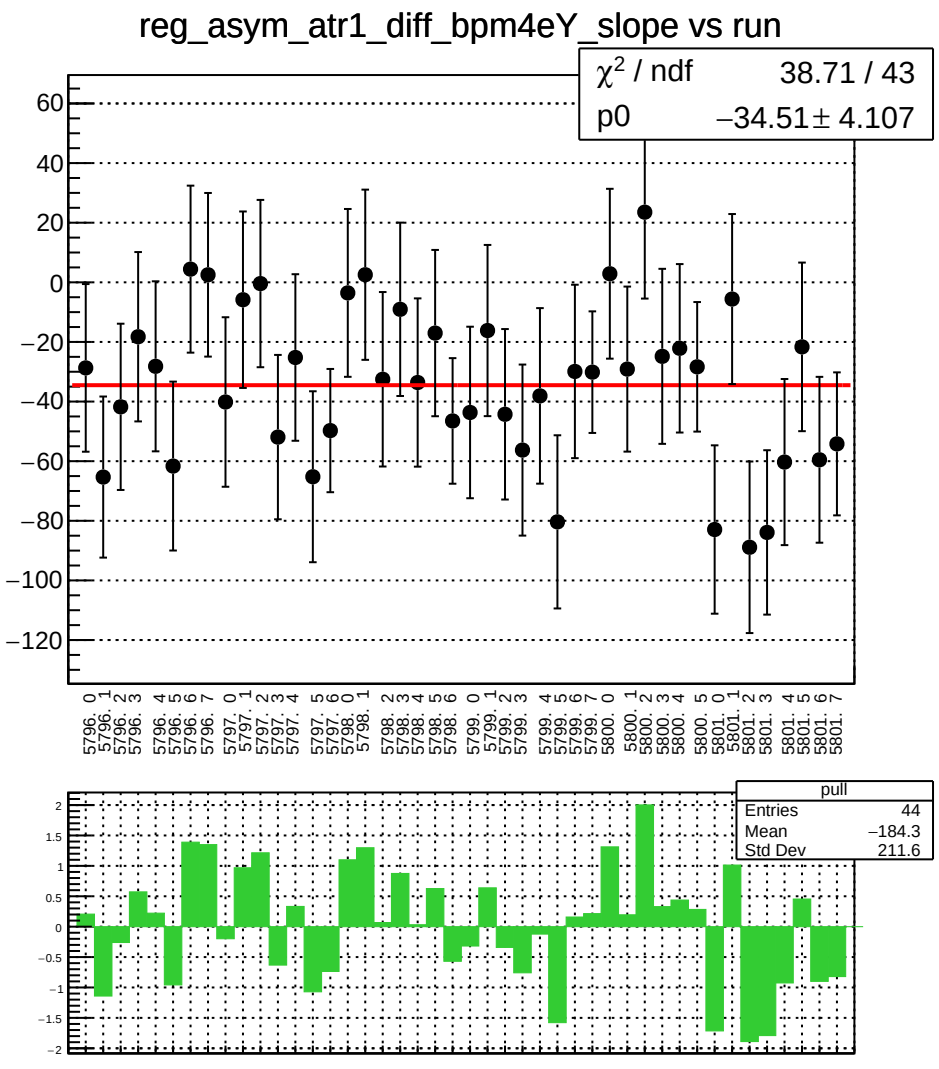

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 38.01 / 43
p0 −59.67 ± 4.374
50
0
−50
−100
−150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −131.4
Std Dev 153.3
2
1
0
−1
−2

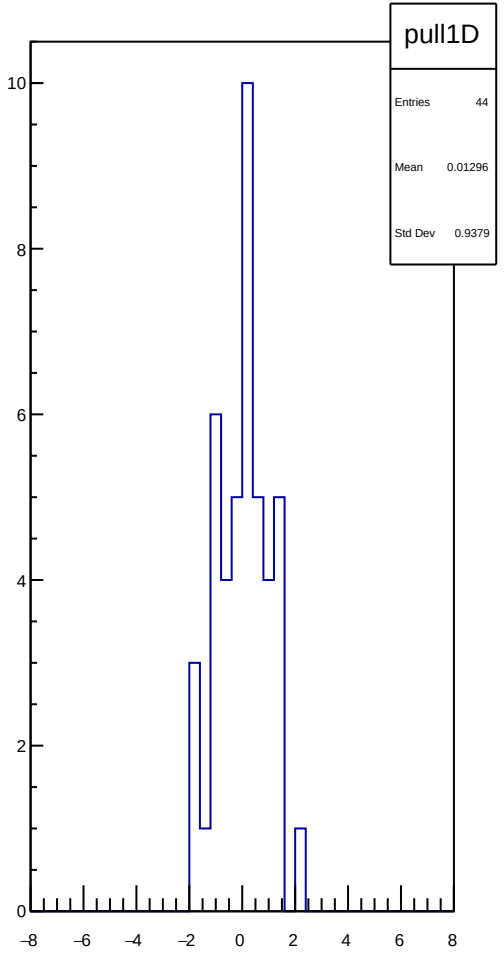

pull1D
Entries 44
Mean 0.01423
Std Dev 0.9293
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

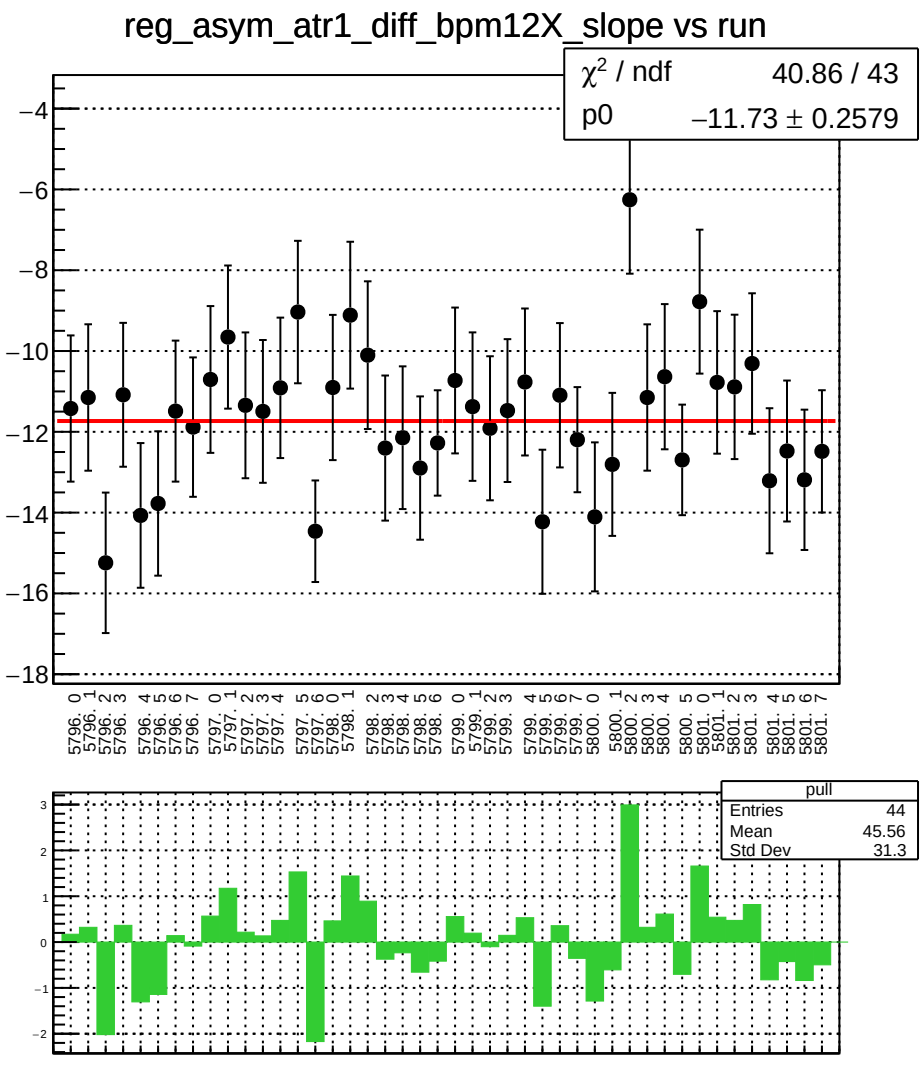

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 39.31 / 43
p0 16.22 ± 3.765
pull
Entries 44
Mean −133.7
Std Dev 160.7

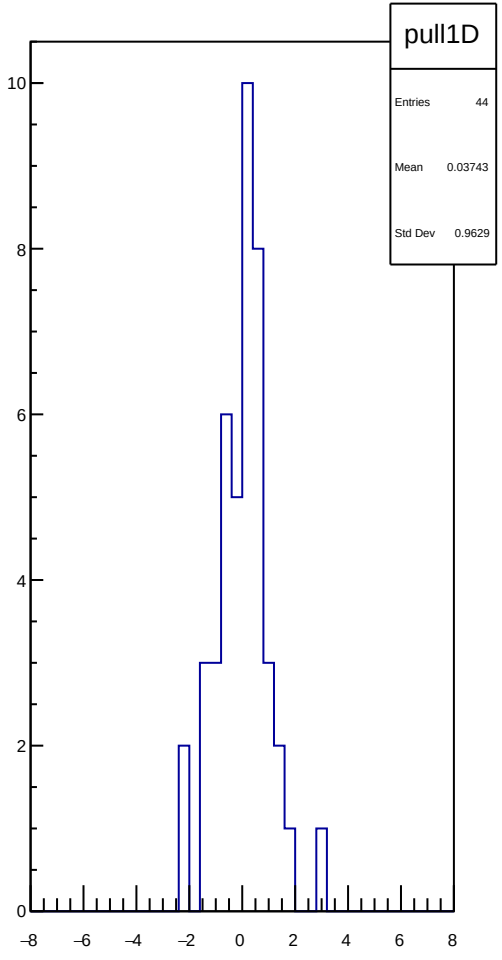

pull1D
Entries 44
Mean −0.01586
Std Dev 0.9451

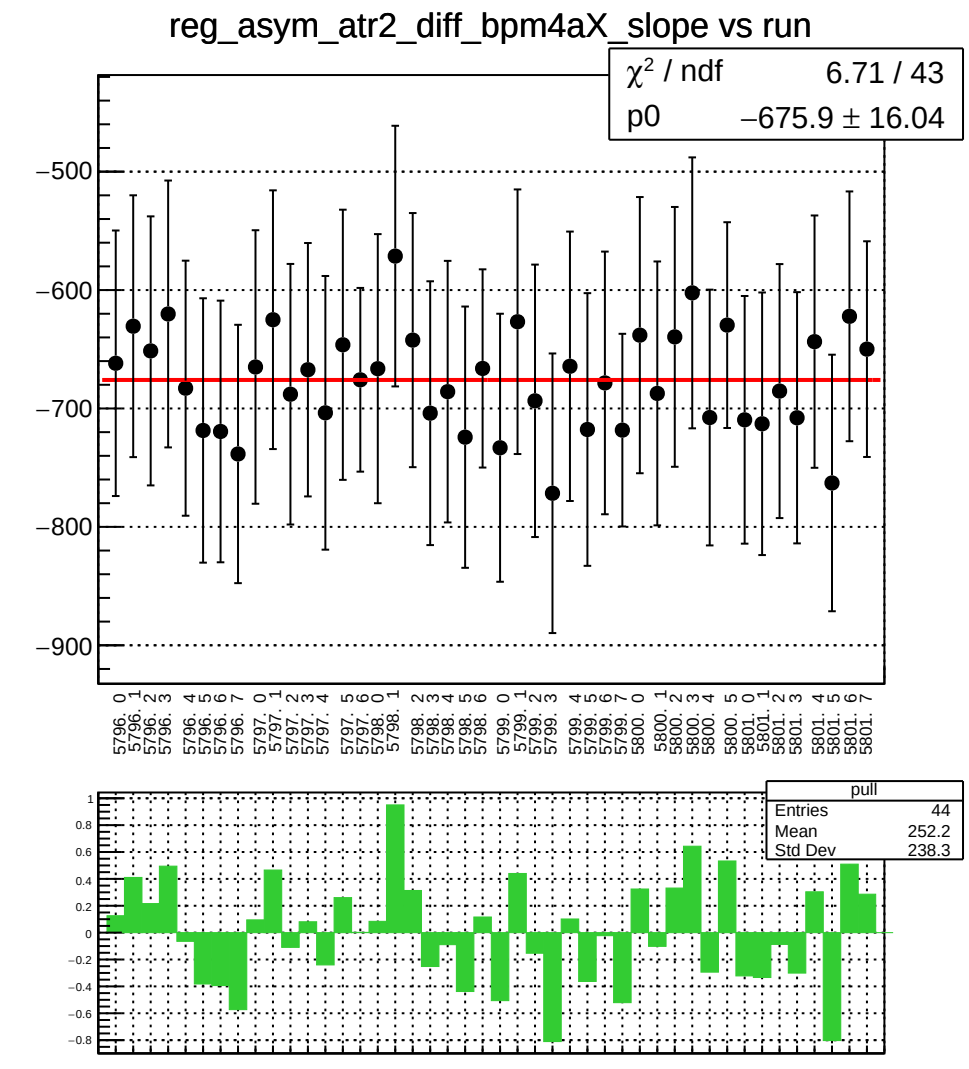

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 39.72 / 43
p0 27.81 ± 5.546
150
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −202.7
Std Dev 224.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 44
Mean −0.01152
Std Dev 0.95
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

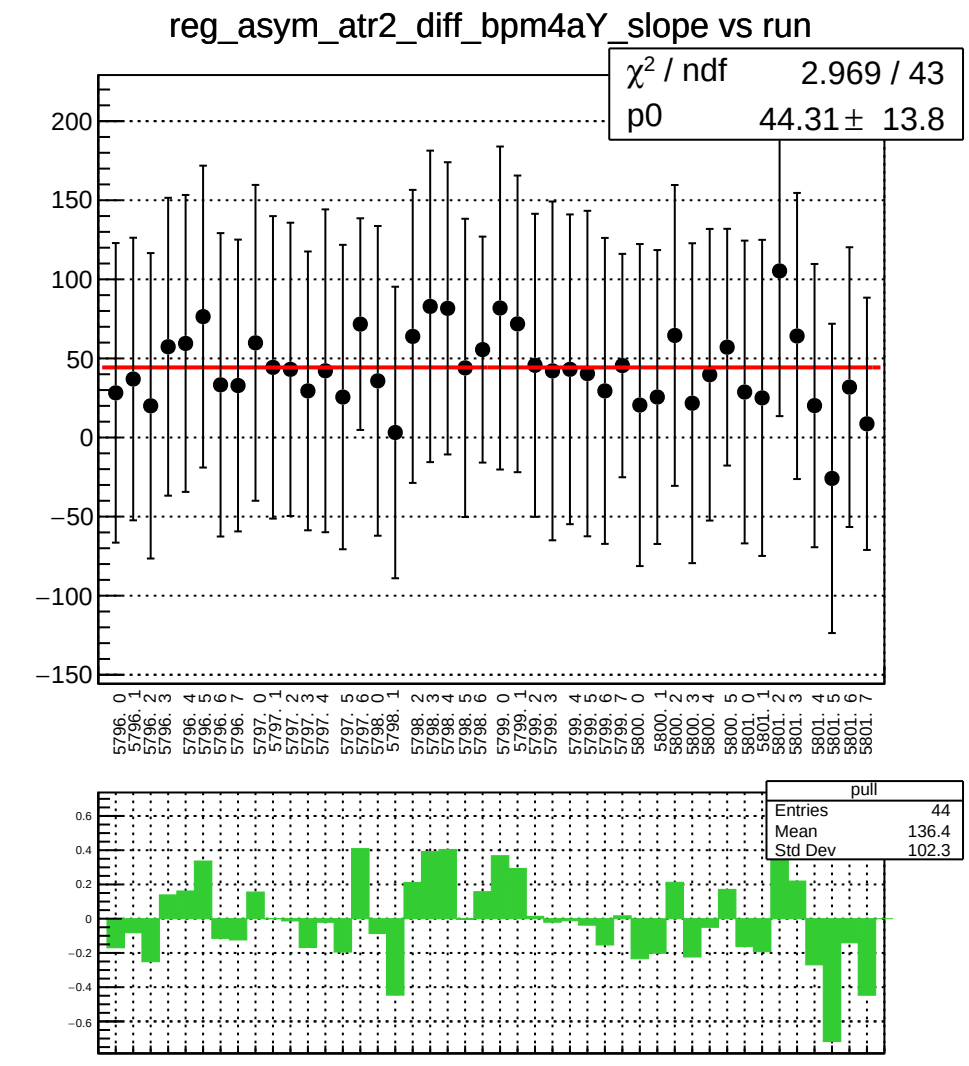

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 38.71 / 43
p0 −34.51 ± 4.107
pull
Entries 44
Mean −184.3
Std Dev 211.6

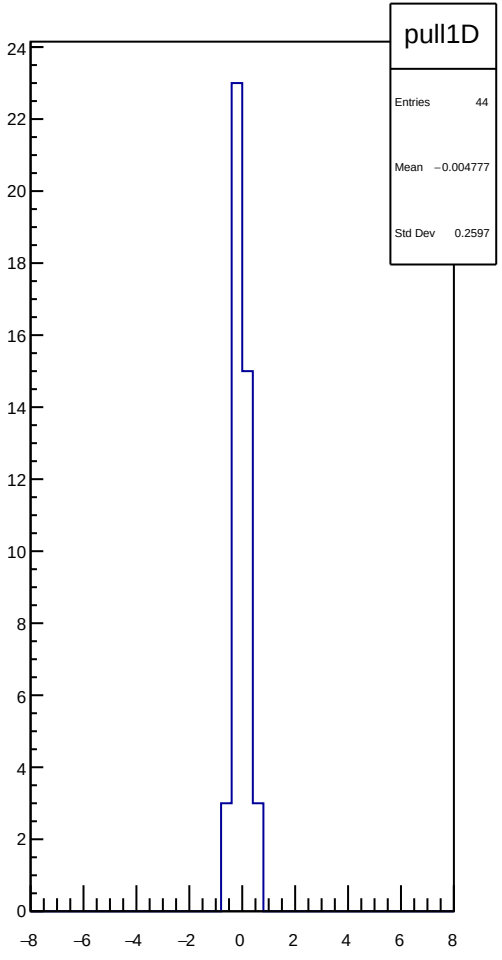

pull1D
Entries 44
Mean 0.01296
Std Dev 0.9379

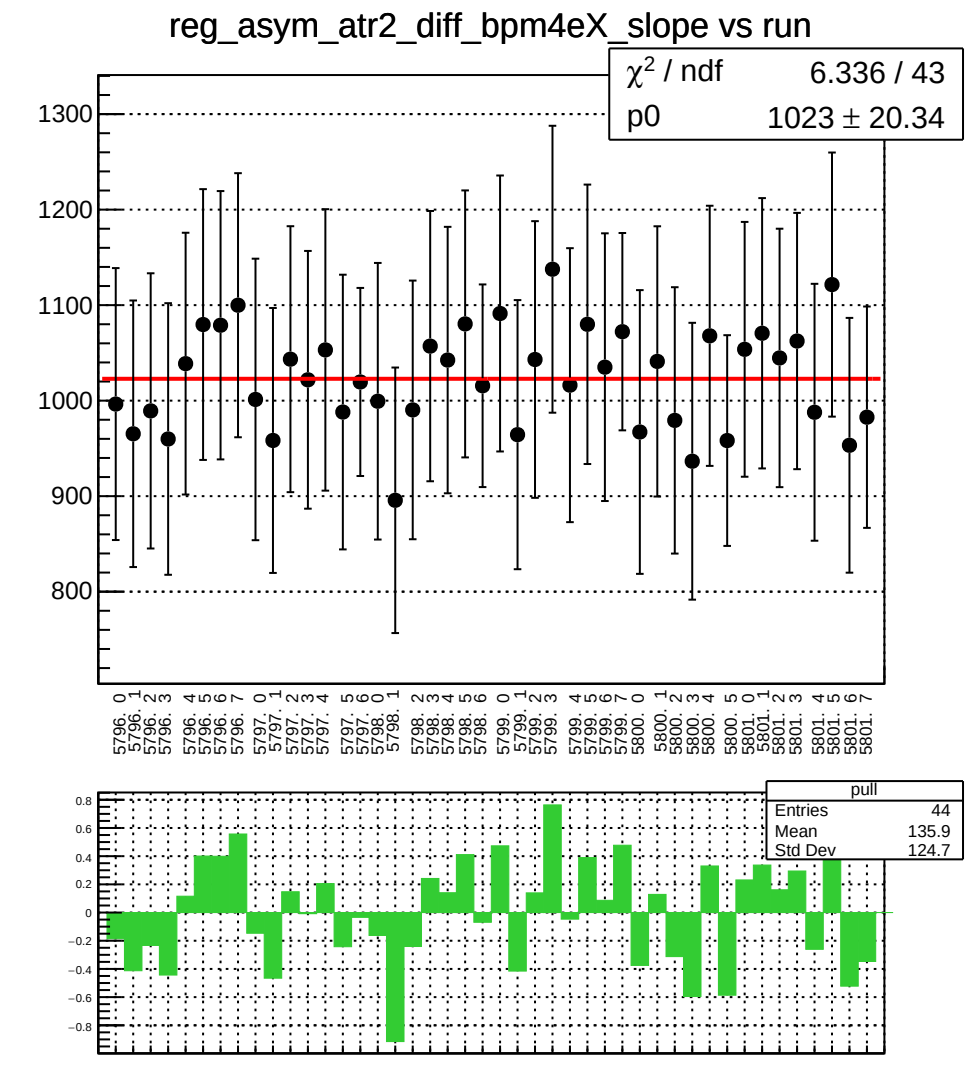

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 40.86 / 43
p0 −11.73 ± 0.2579
pull
Entries 44
Mean 45.56
Std Dev 31.3

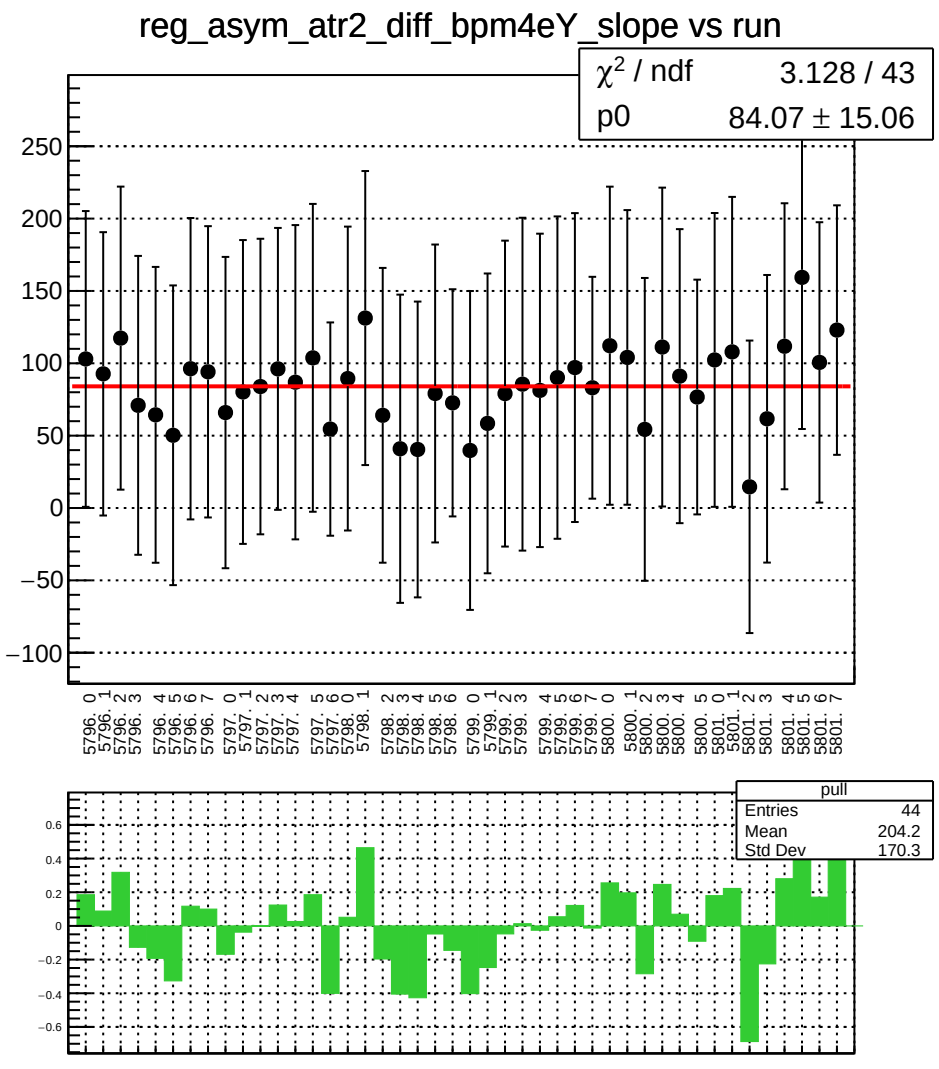

pull1D
Entries 44
Mean 0.03743
Std Dev 0.9629

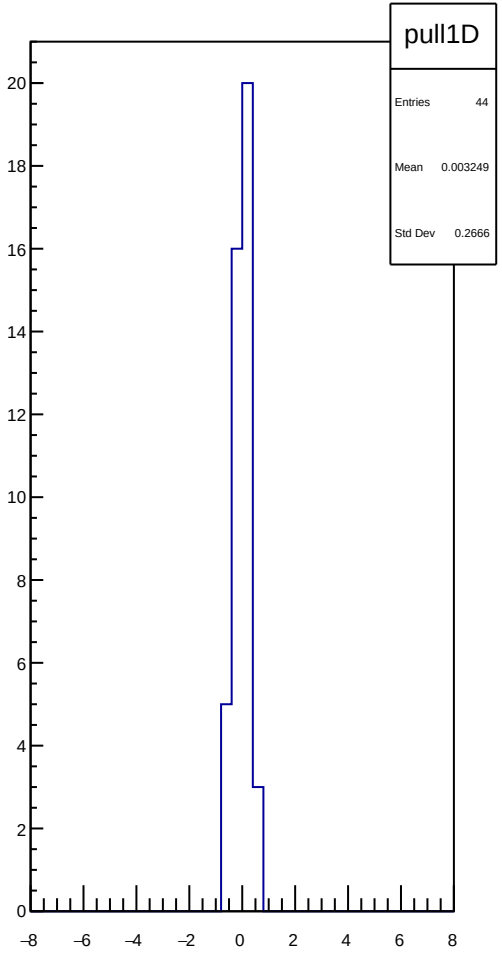

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 6.71 / 43
p0 −675.9 ± 16.04
−500
−600
−700
−800
−900
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 252.2
Std Dev 238.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean −0.001675
Std Dev 0.3905
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

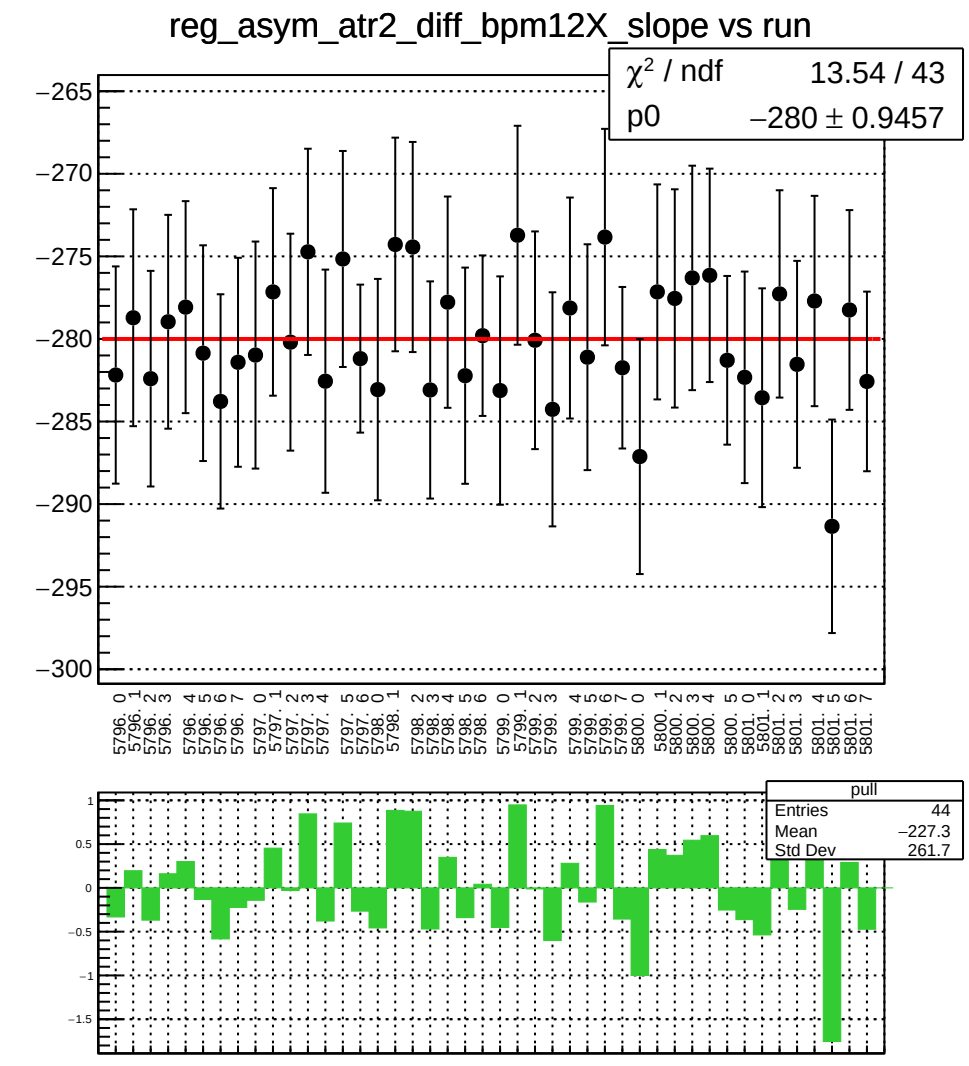

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.969 / 43
p0 44.31 ± 13.8
pull
Entries 44
Mean 136.4
Std Dev 102.3

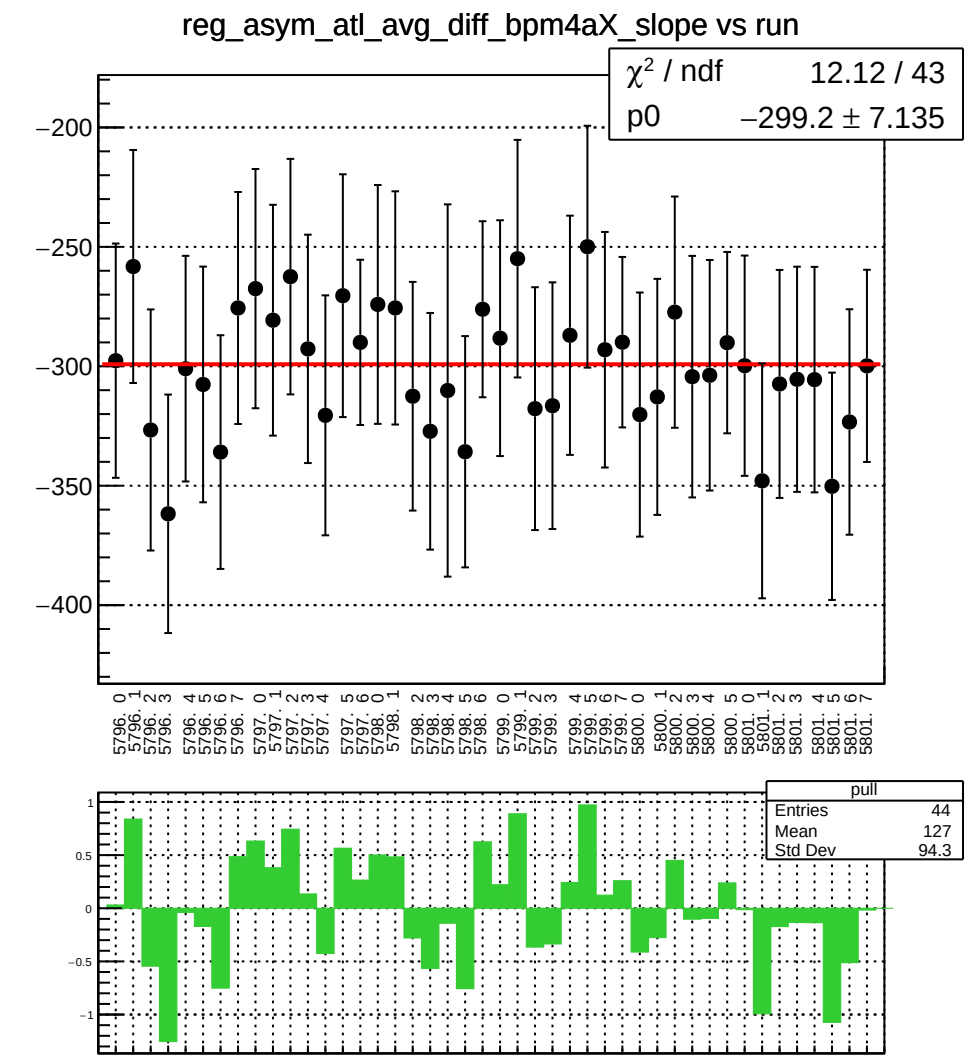

pull1D
Entries 44
Mean −0.004777
Std Dev 0.2597

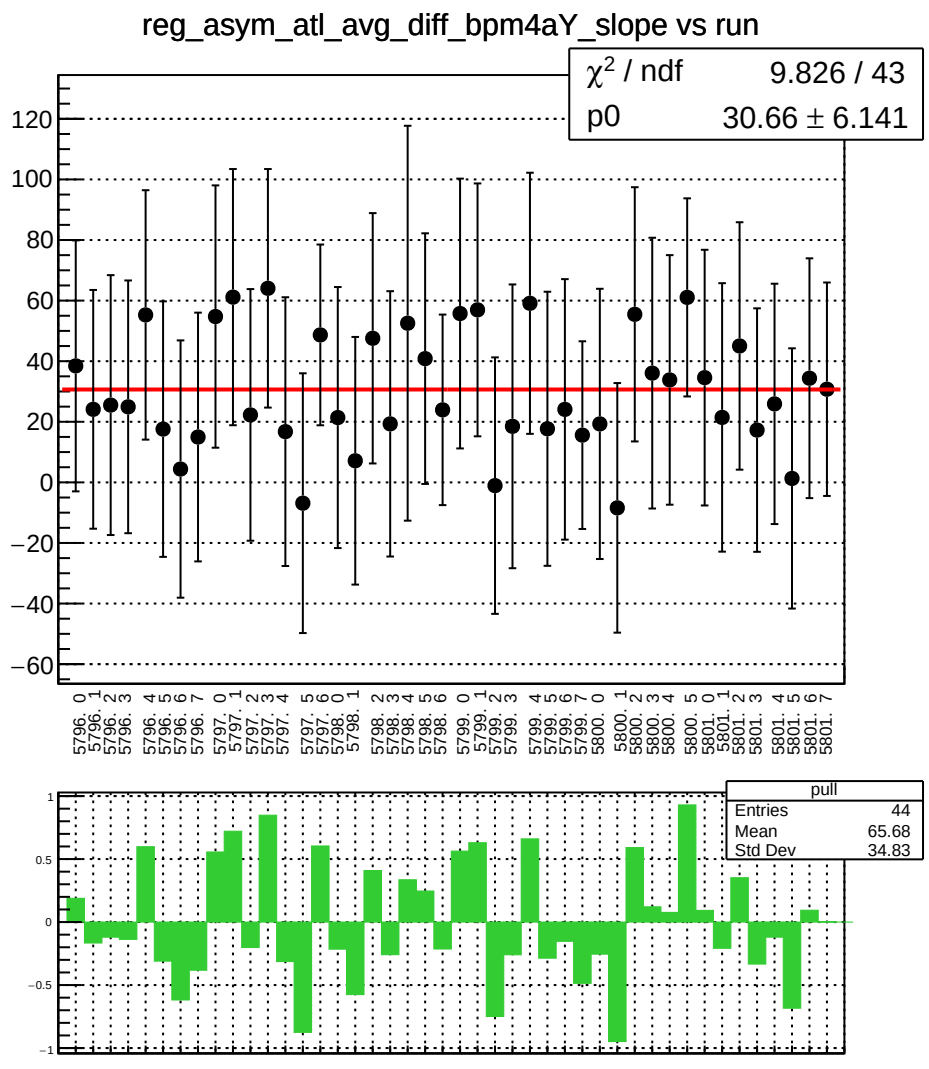

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 6.336 / 43
p0 1023 ± 20.34
1300
1200
1100
1000
900
800
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 135.9
Std Dev 124.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean 0.002874
Std Dev 0.3795
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

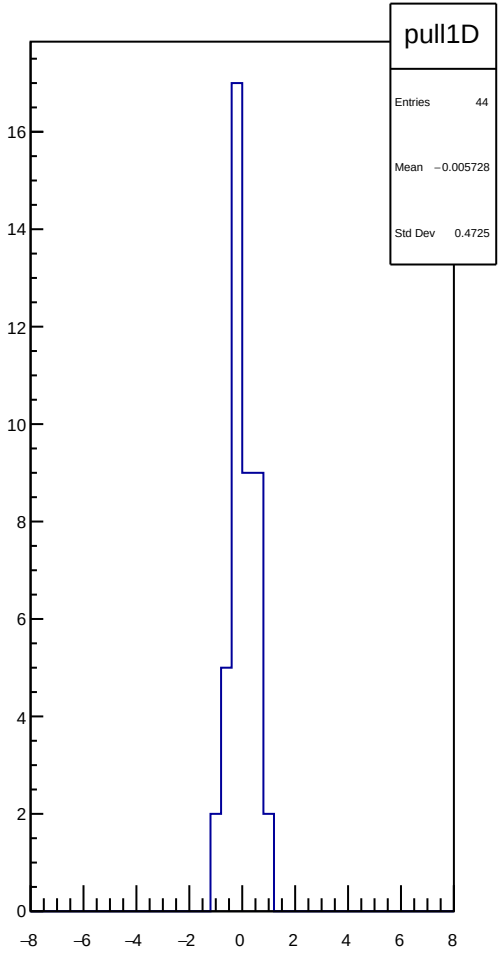

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.128 / 43
p0 84.07 ± 15.06
pull
Entries 44
Mean 204.2
Std Dev 170.3

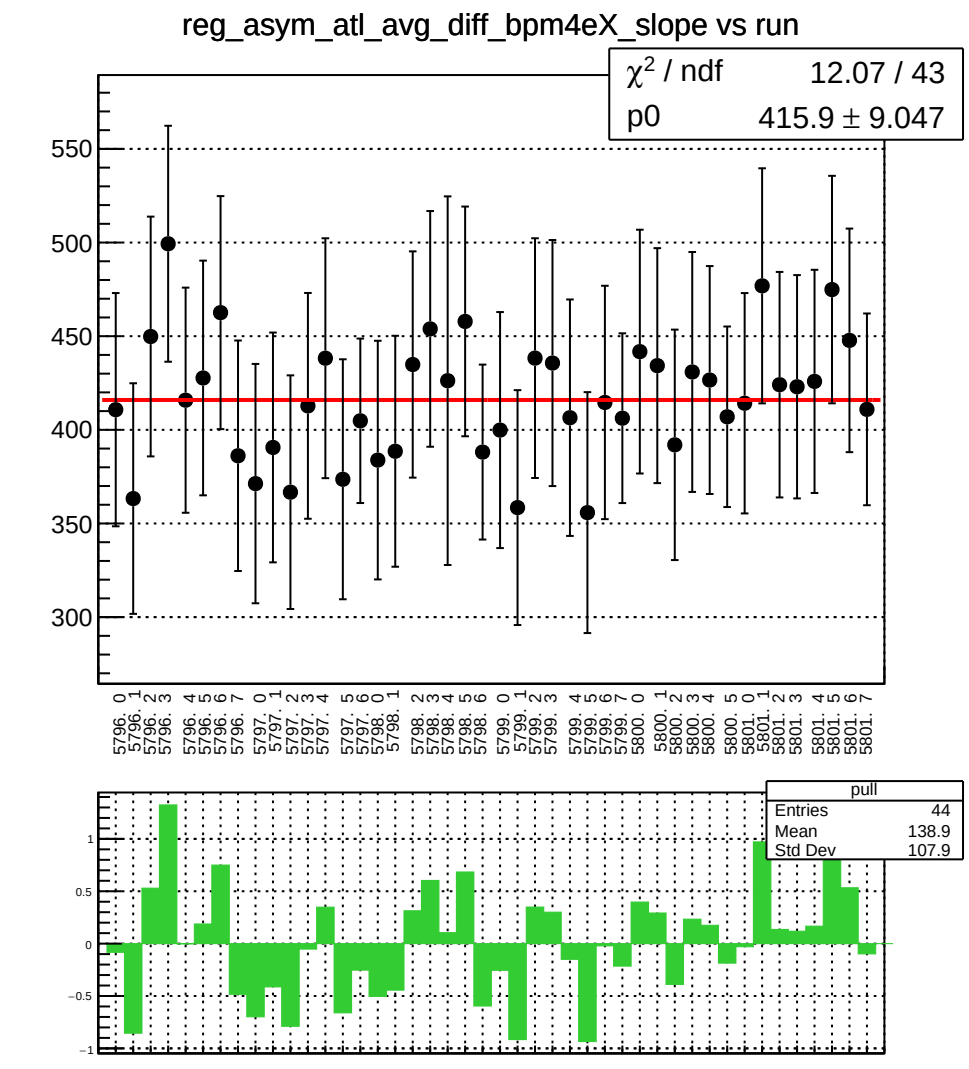

pull1D
Entries 44
Mean 0.003249
Std Dev 0.2666

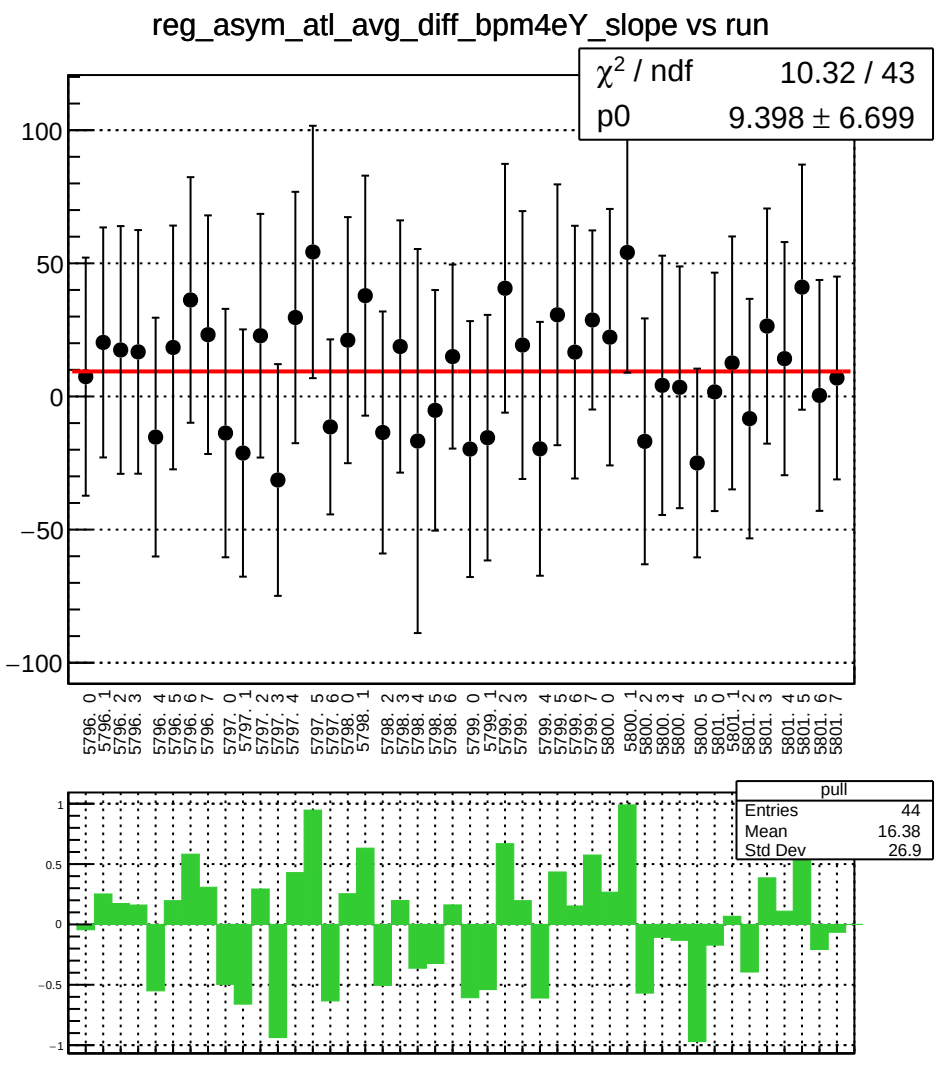

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.54 / 43
p0 −280 ± 0.9457
−265
−270
−275
−280
−285
−290
−295
−300
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −227.3
Std Dev 261.7
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean 0.002806
Std Dev 0.5547
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

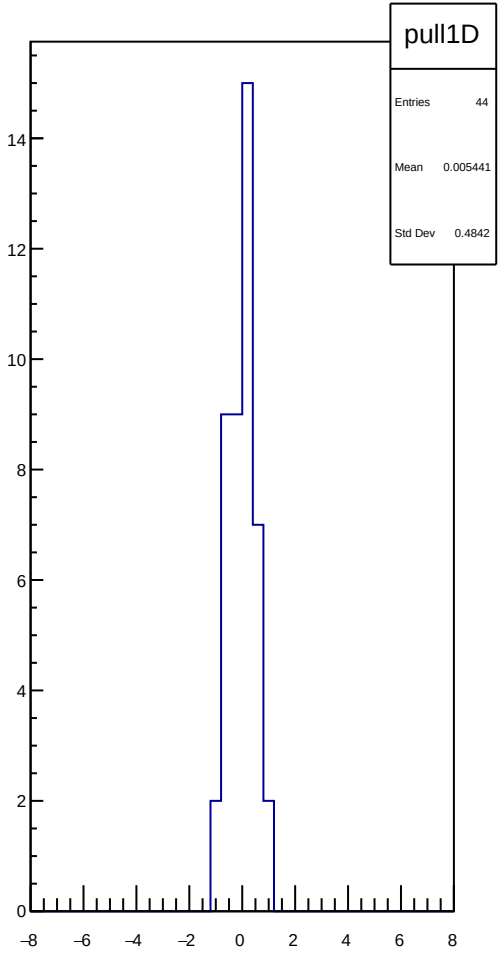

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.12 / 43
p0 −299.2 ± 7.135
−200
−250
−300
−350
−400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 127
Std Dev 94.3
1
0.5
0
−0.5
−1
pull1D
Entries 44
Mean −0.01093
Std Dev 0.5248
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

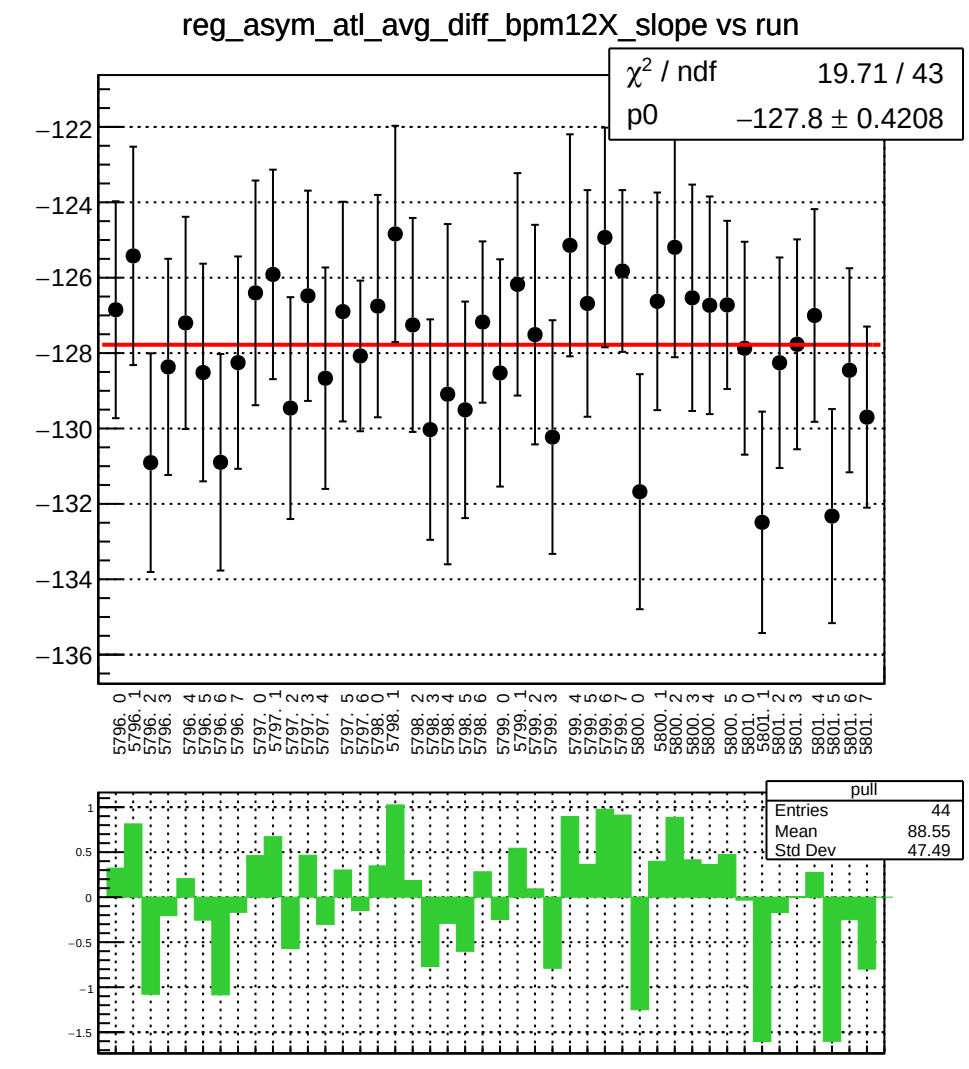

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.826 / 43
p0 30.66 ± 6.141
pull
Entries 44
Mean 65.68
Std Dev 34.83

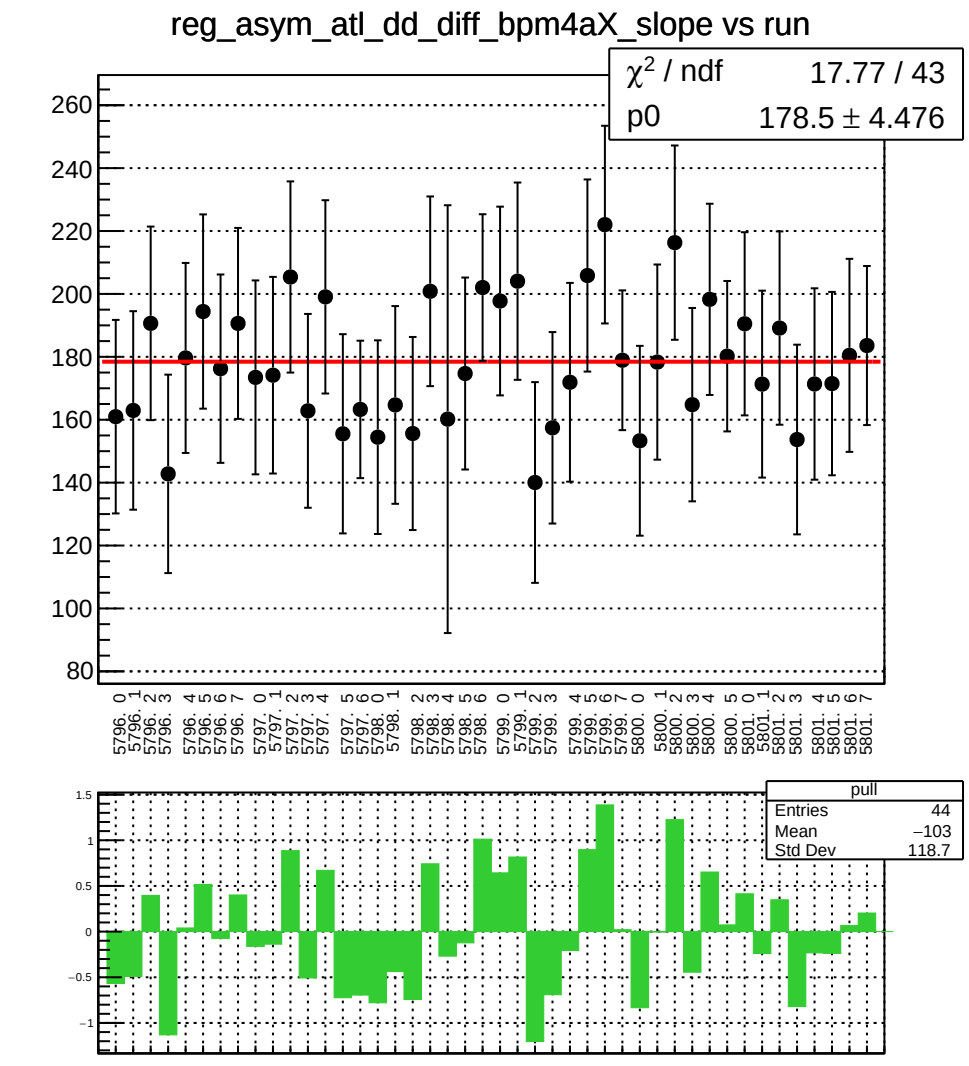

pull1D
Entries 44
Mean −0.005728
Std Dev 0.4725

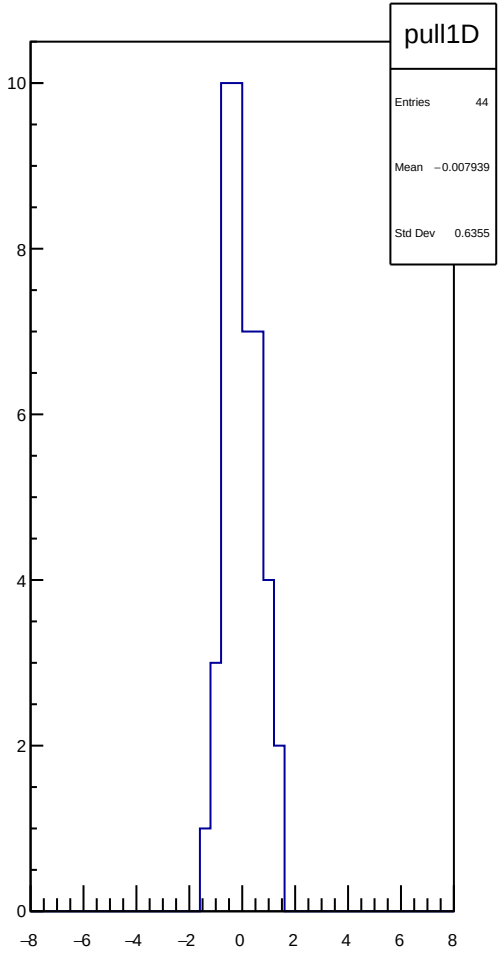

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.07 / 43
p0 415.9 ± 9.047
550
500
450
400
350
300
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 138.9
Std Dev 107.9
1
0.5
0
−0.5
−1
pull1D
Entries 44
Mean 0.0104
Std Dev 0.5237
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

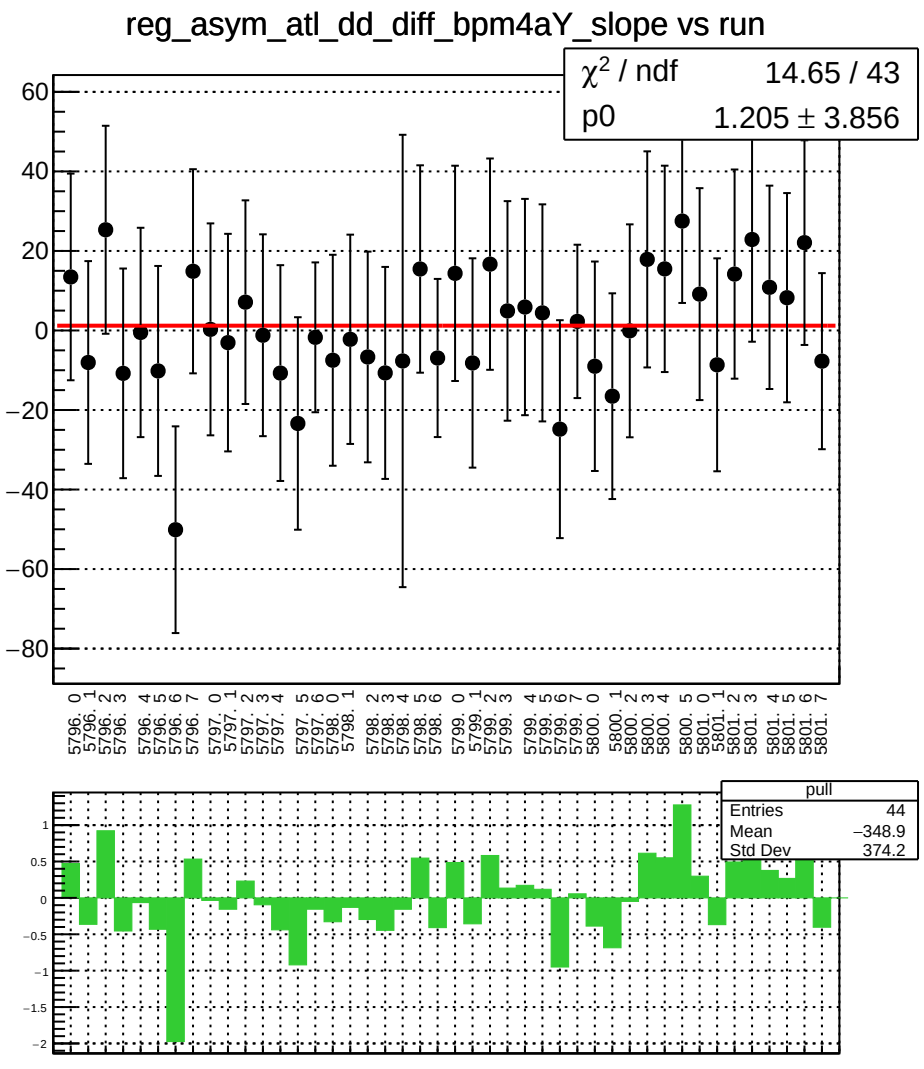

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.32 / 43
p0 9.398 ± 6.699
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 16.38
Std Dev 26.9
1
0.5
0
−0.5
−1

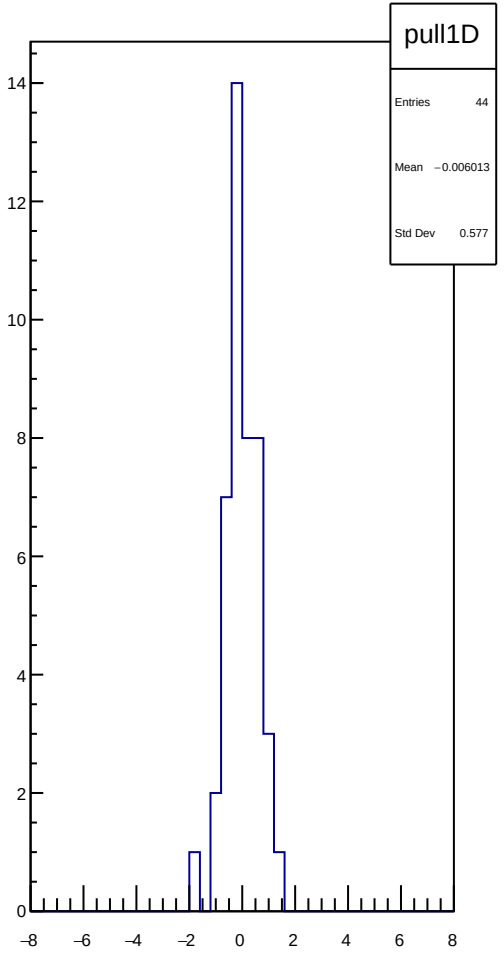

pull1D
Entries 44
Mean 0.005441
Std Dev 0.4842
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

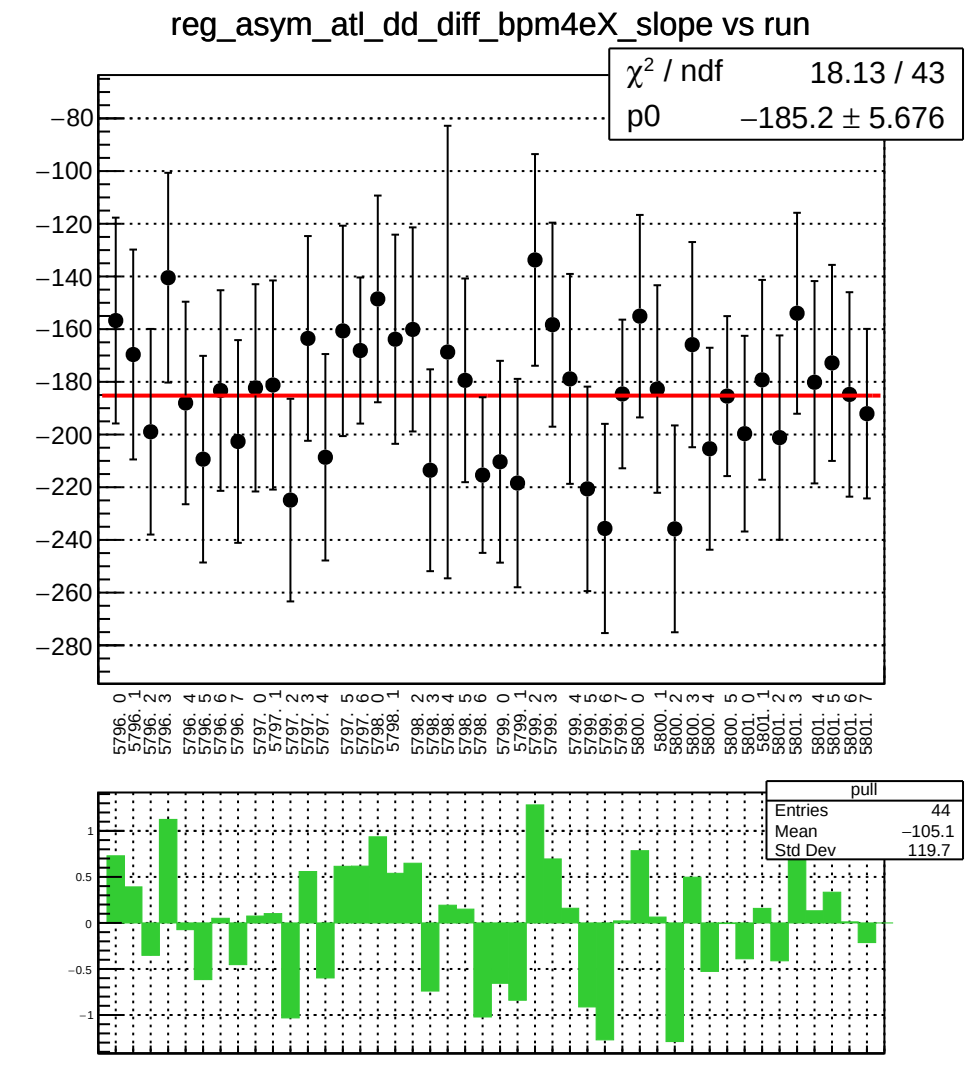

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 19.71 / 43
p0 −127.8 ± 0.4208
−122
−124
−126
−128
−130
−132
−134
−136
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 88.55
Std Dev 47.49
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean −0.01229
Std Dev 0.6692
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

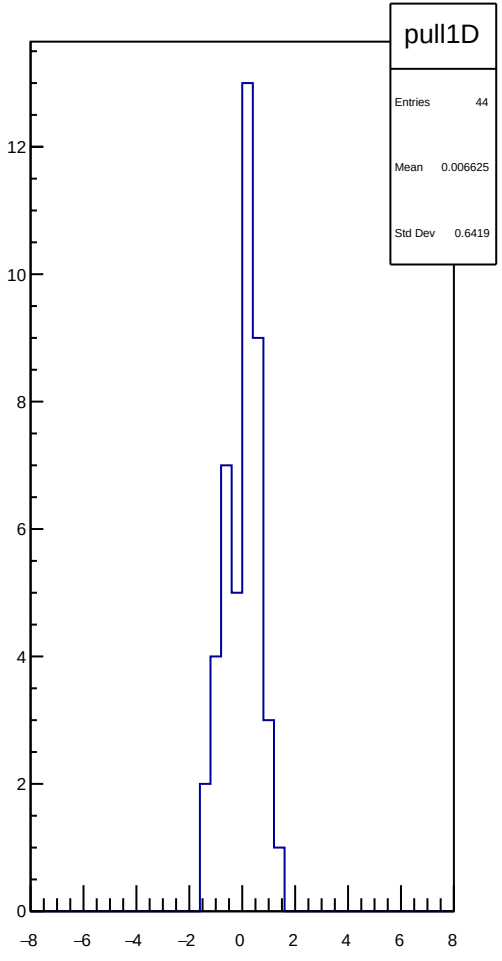

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.77 / 43
p0 178.5 ± 4.476
pull
Entries 44
Mean −103
Std Dev 118.7

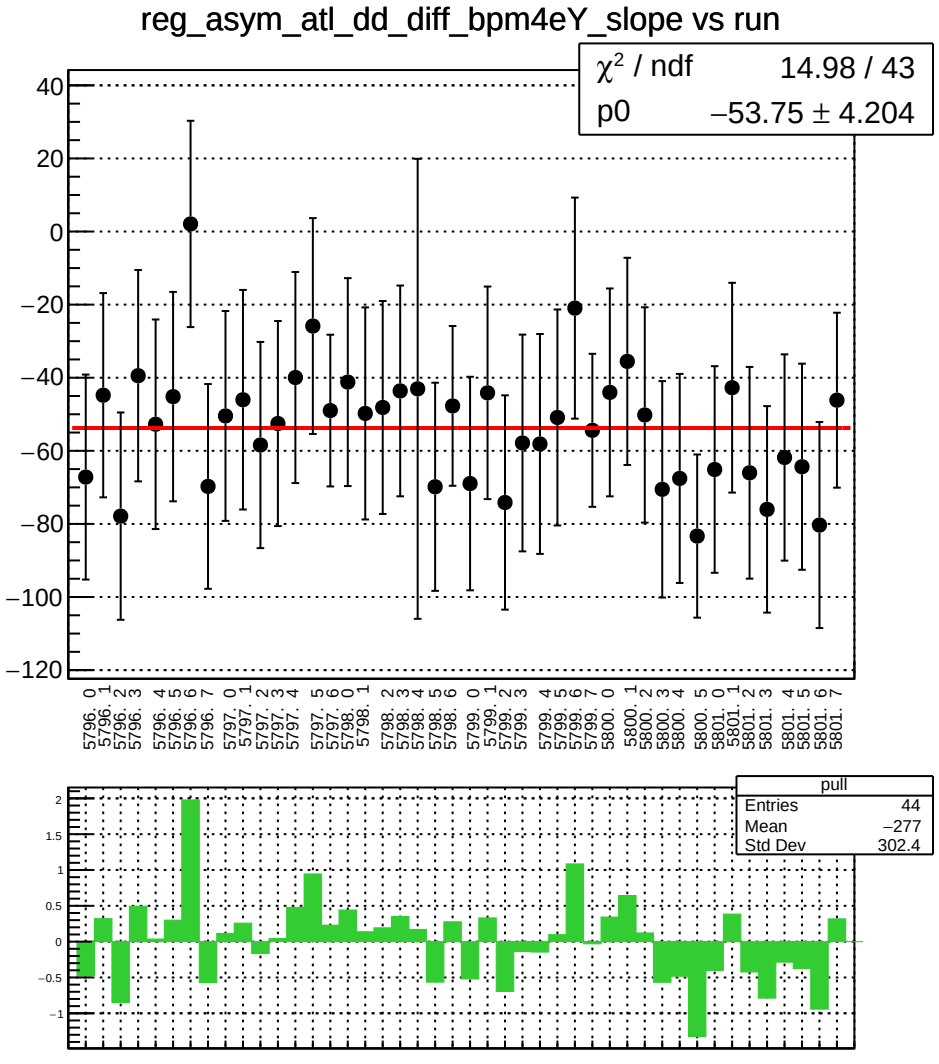

pull1D
Entries 44
Mean −0.007939
Std Dev 0.6355

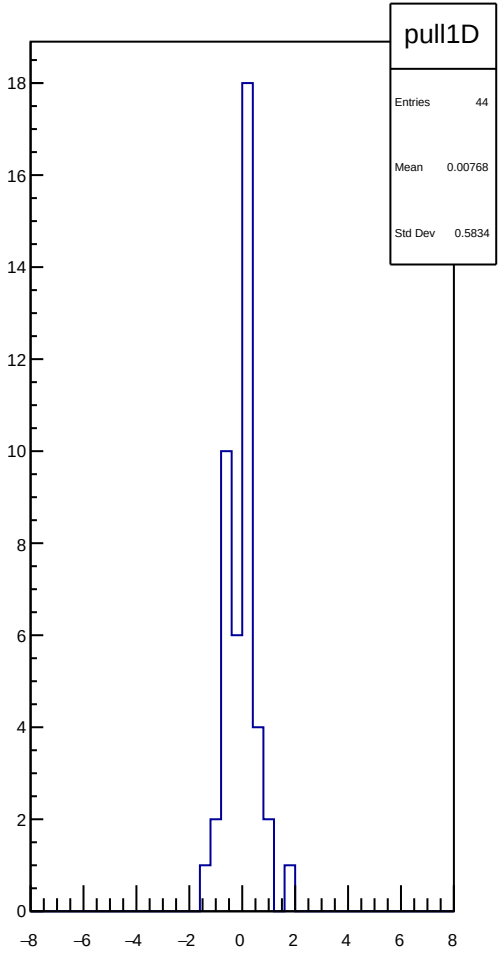

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.65 / 43
p0 1.205 ± 3.856
pull
Entries 44
Mean −348.9
Std Dev 374.2

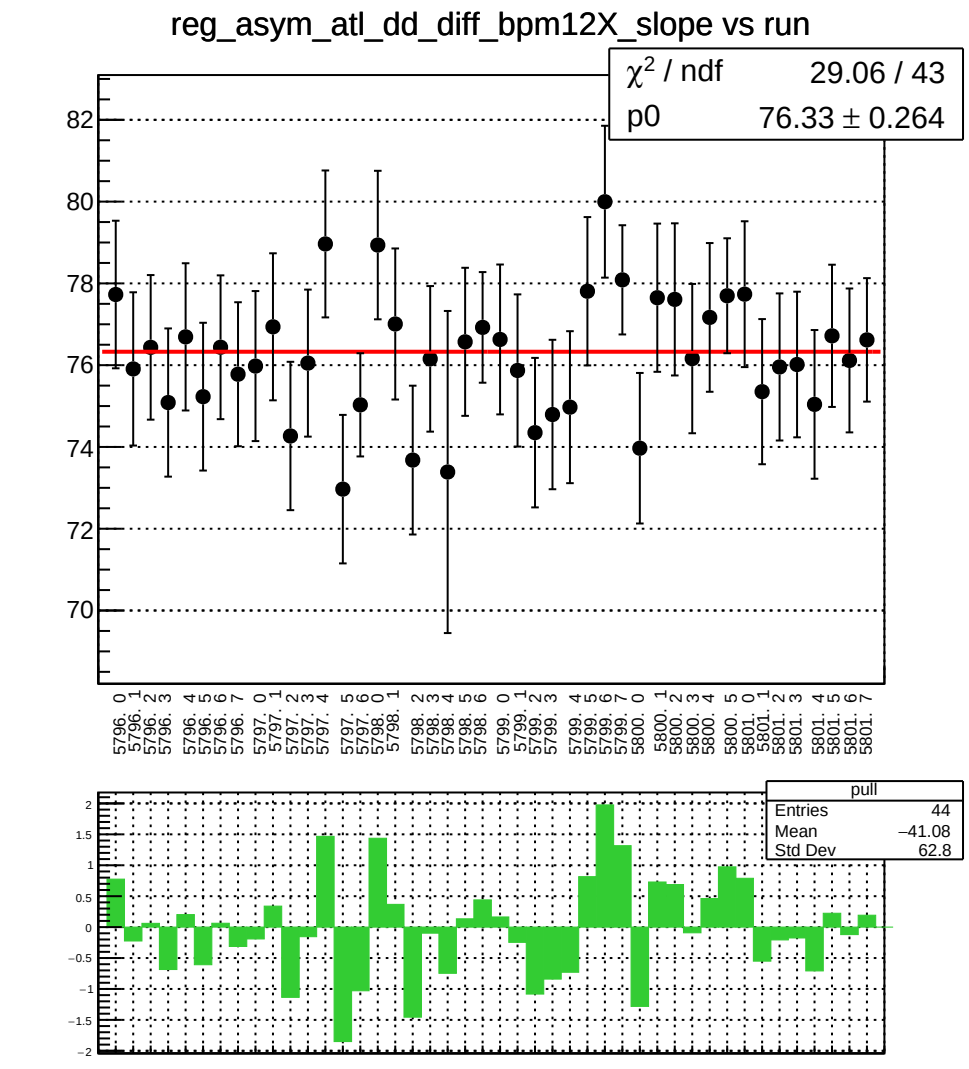

pull1D
Entries 44
Mean −0.006013
Std Dev 0.577

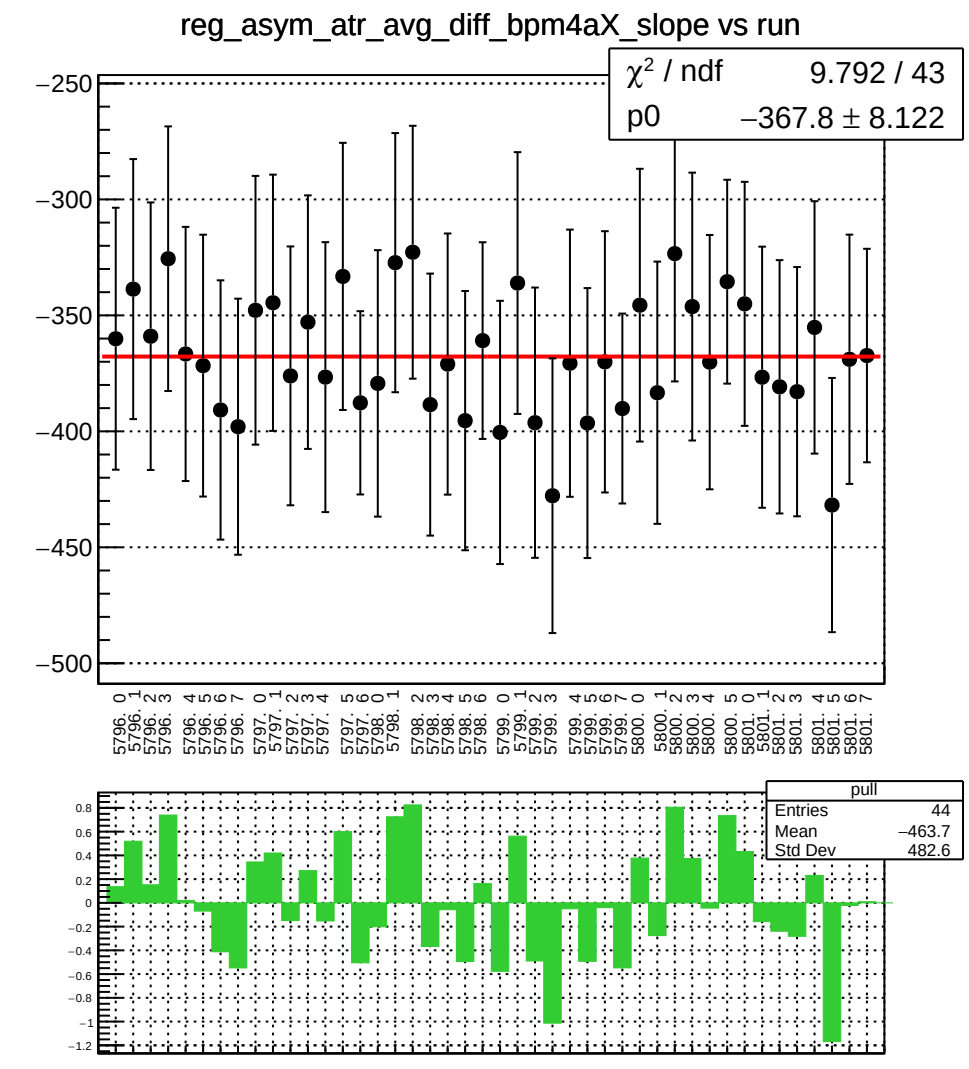

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.13 / 43
p0 −185.2 ± 5.676
pull
Entries 44
Mean −105.1
Std Dev 119.7

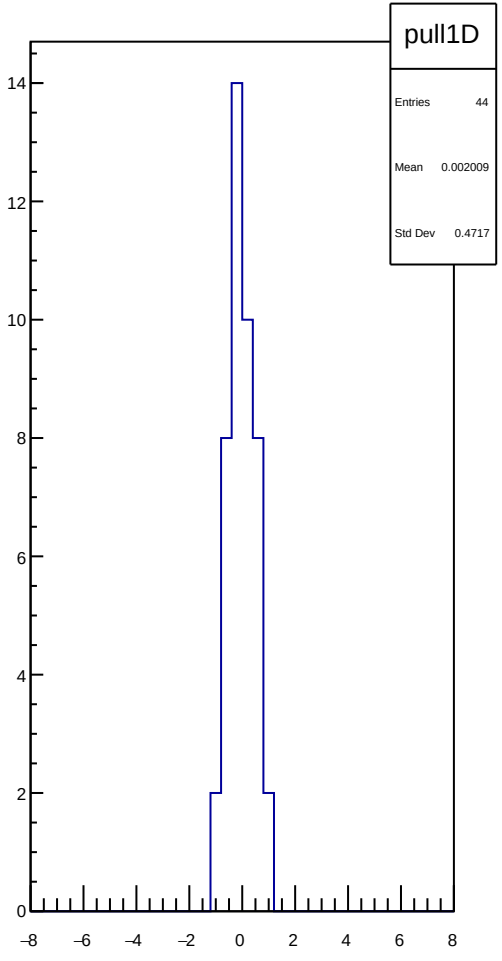

pull1D
Entries 44
Mean 0.006625
Std Dev 0.6419

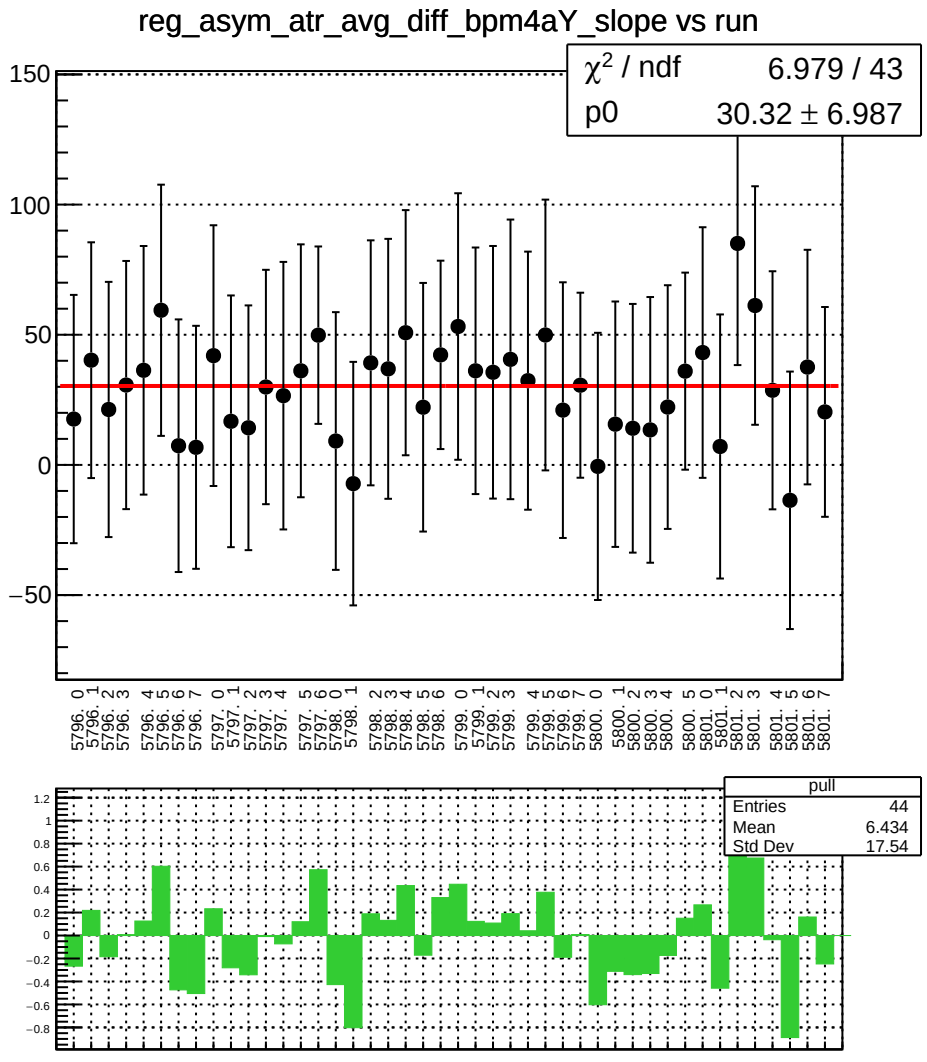

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.98 / 43
p0 −53.75 ± 4.204
pull
Entries 44
Mean −277
Std Dev 302.4

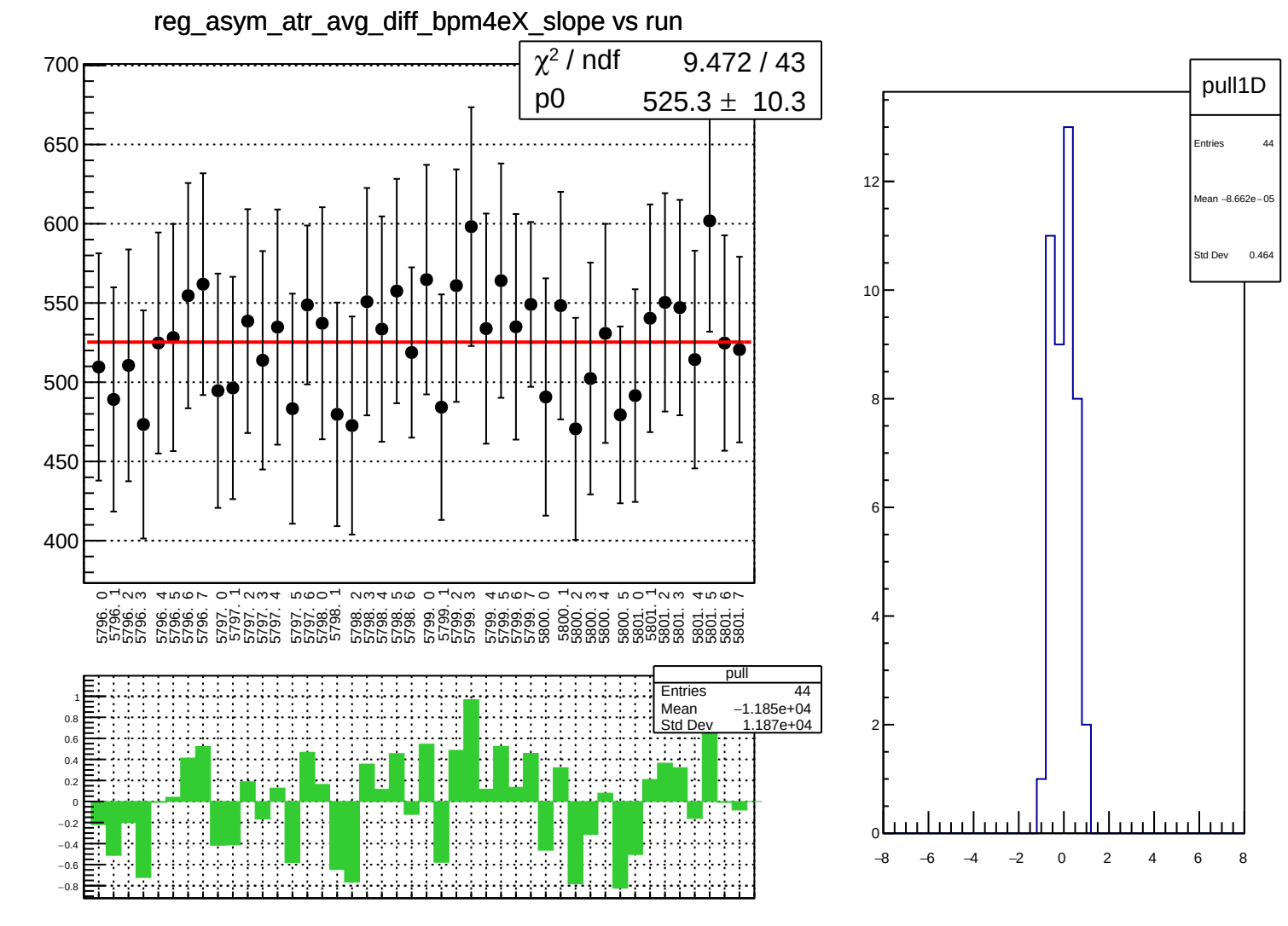

pull1D
Entries 44
Mean 0.00768
Std Dev 0.5834

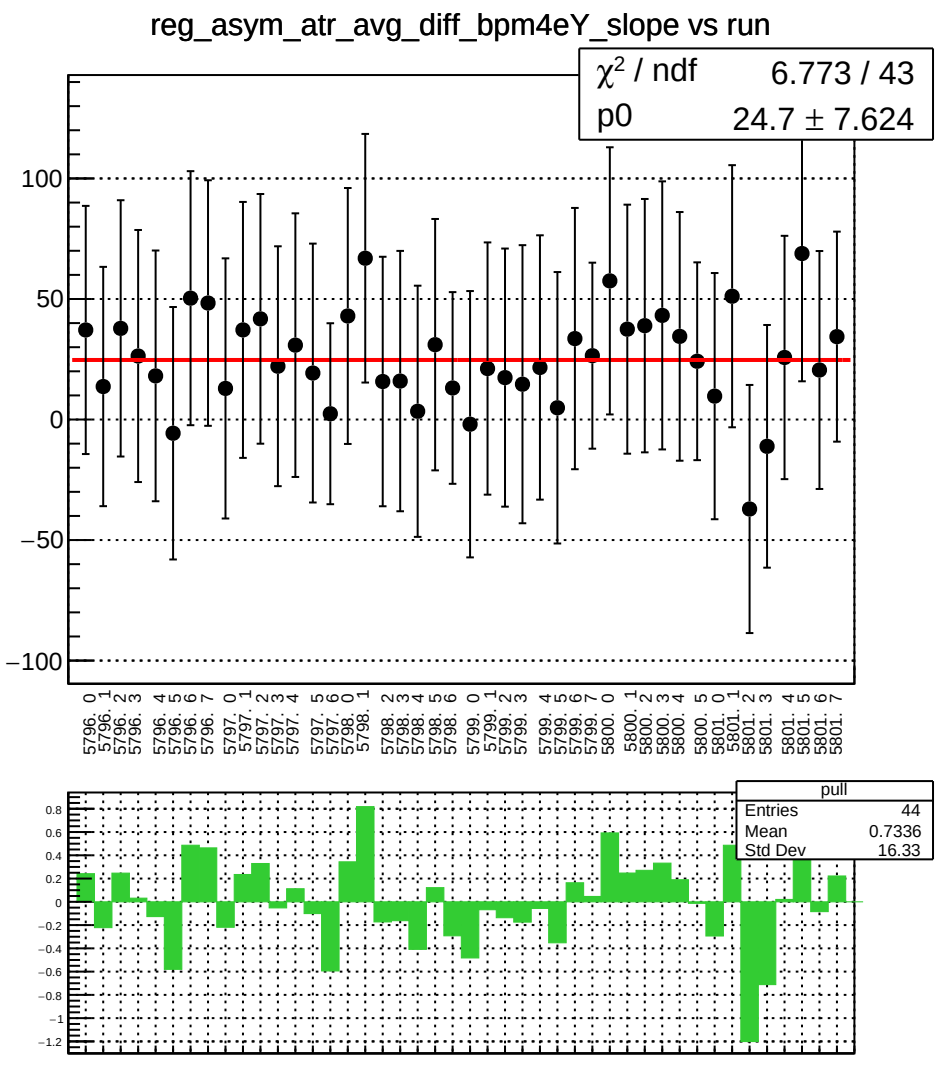

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 29.06 / 43
p0 76.33 ± 0.264
82
80
78
76
74
72
70
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −41.08
Std Dev 62.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.0207
Std Dev 0.8124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

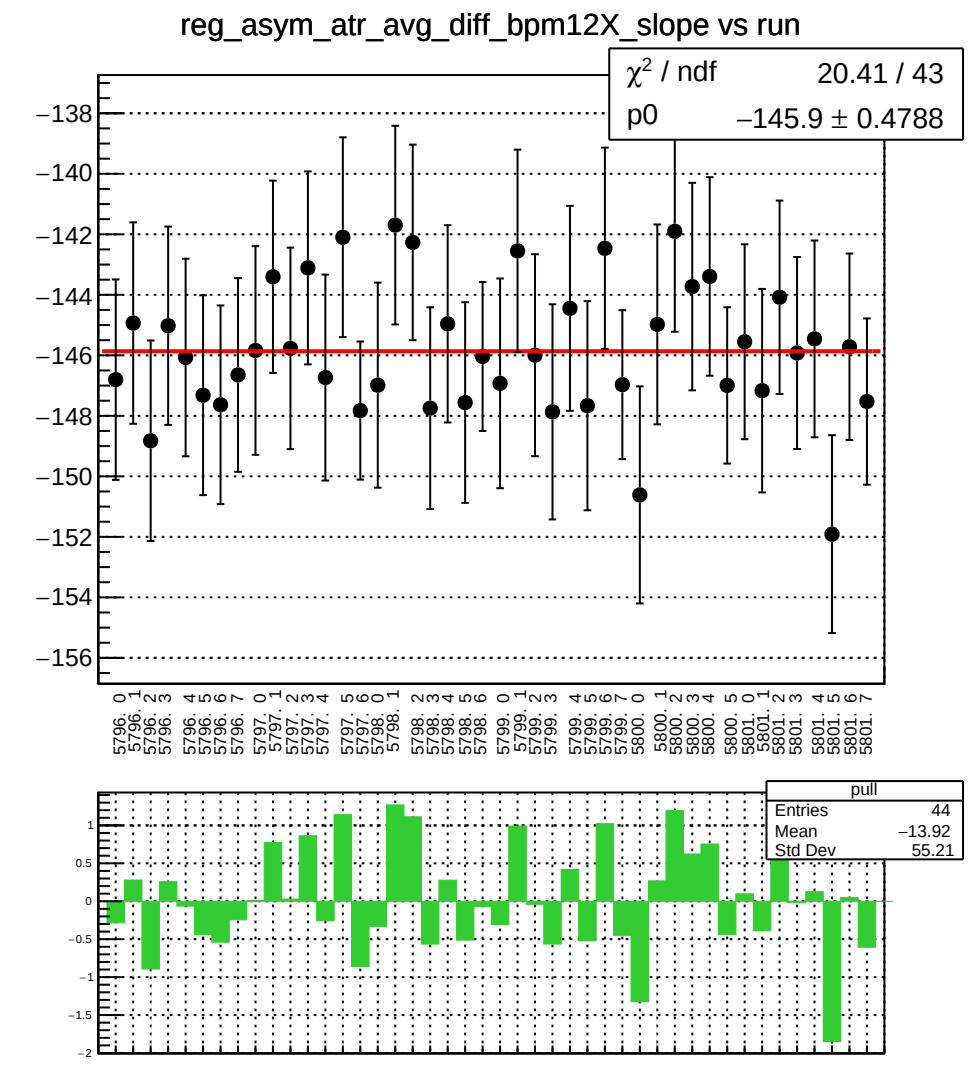

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.792 / 43
p0 −367.8 ± 8.122
pull
Entries 44
Mean −463.7
Std Dev 482.6

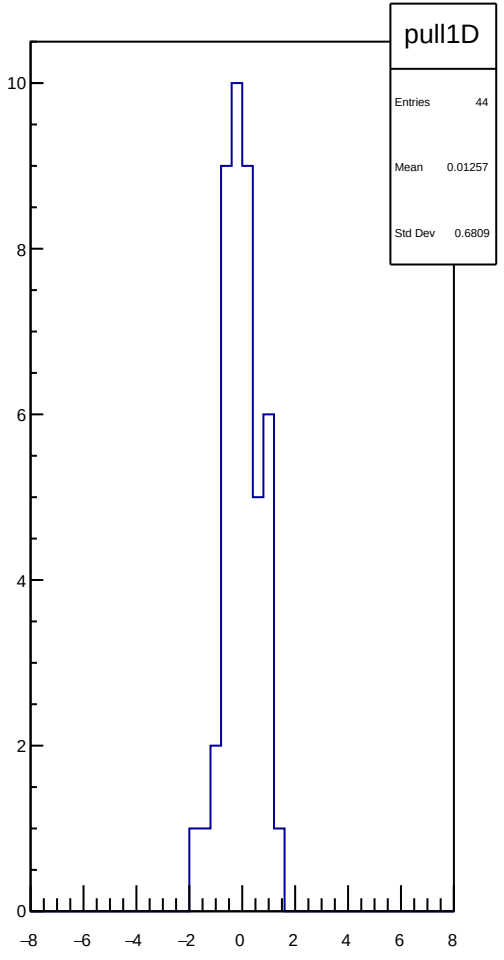

pull1D
Entries 44
Mean 0.002009
Std Dev 0.4717

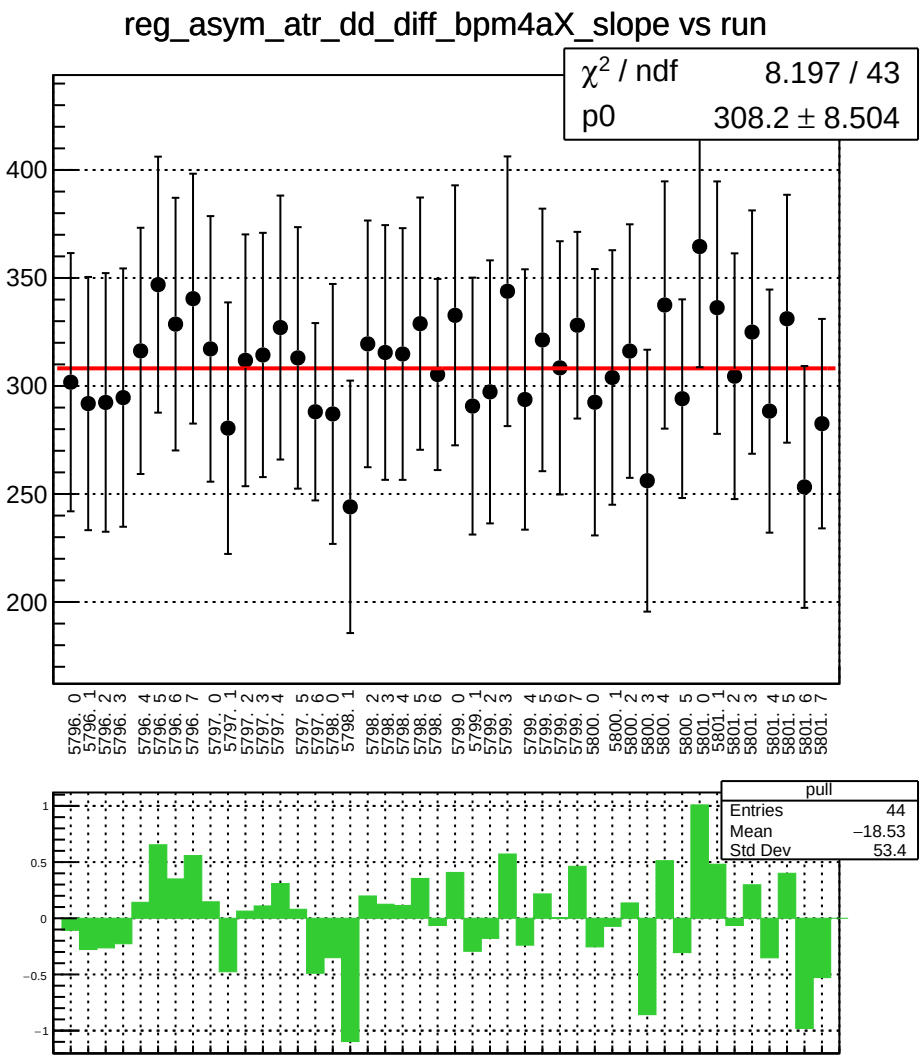

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.979 / 43
p0 30.32 ± 6.987
150
100
50
0
−50
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 6.434
Std Dev 17.54
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean −0.009624
Std Dev 0.3981
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

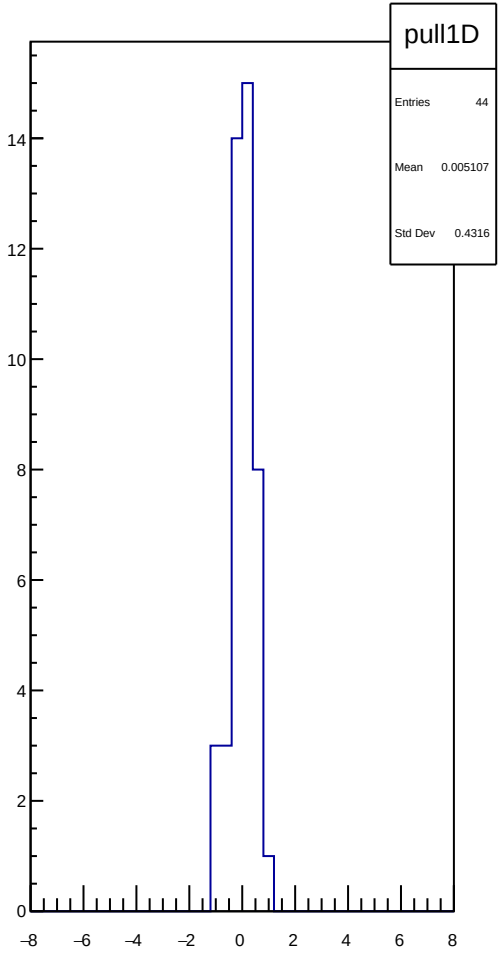

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.472 / 43
p0 525.3 ± 10.3
700
650
600
550
500
450
400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −1.185e+04
Std Dev 1.187e+04
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean −8.662e−05
Std Dev 0.464
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

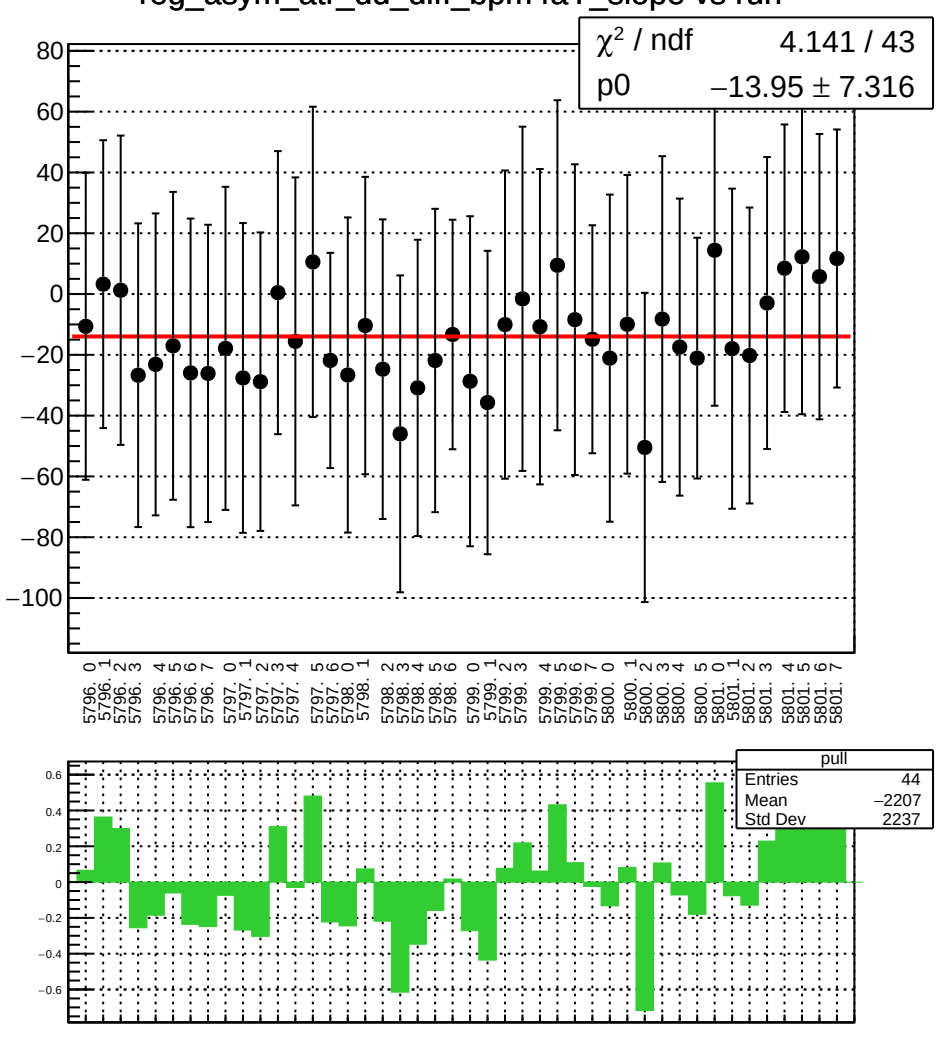

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.773 / 43
p0 24.7 ± 7.624
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 0.7336
Std Dev 16.33
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 44
Mean 0.007525
Std Dev 0.3923
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

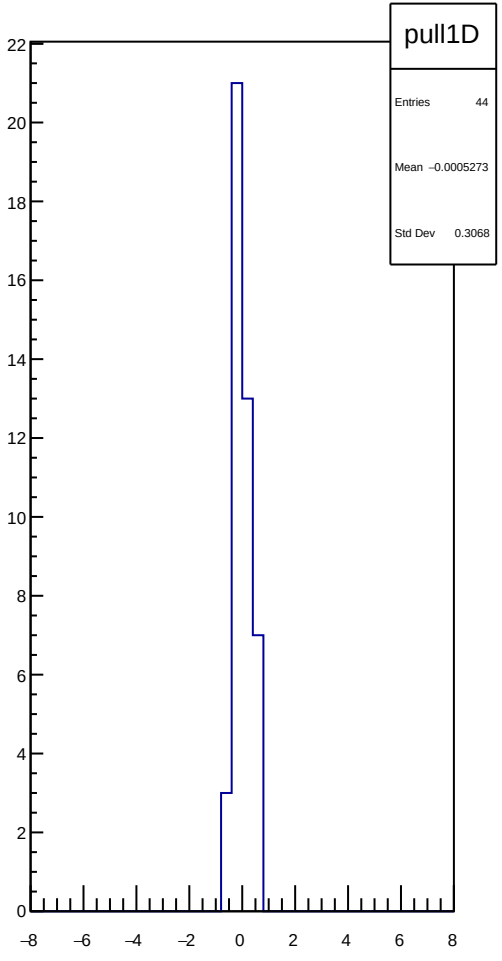

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 20.41 / 43
p0 −145.9 ± 0.4788
pull
Entries 44
Mean −13.92
Std Dev 55.21

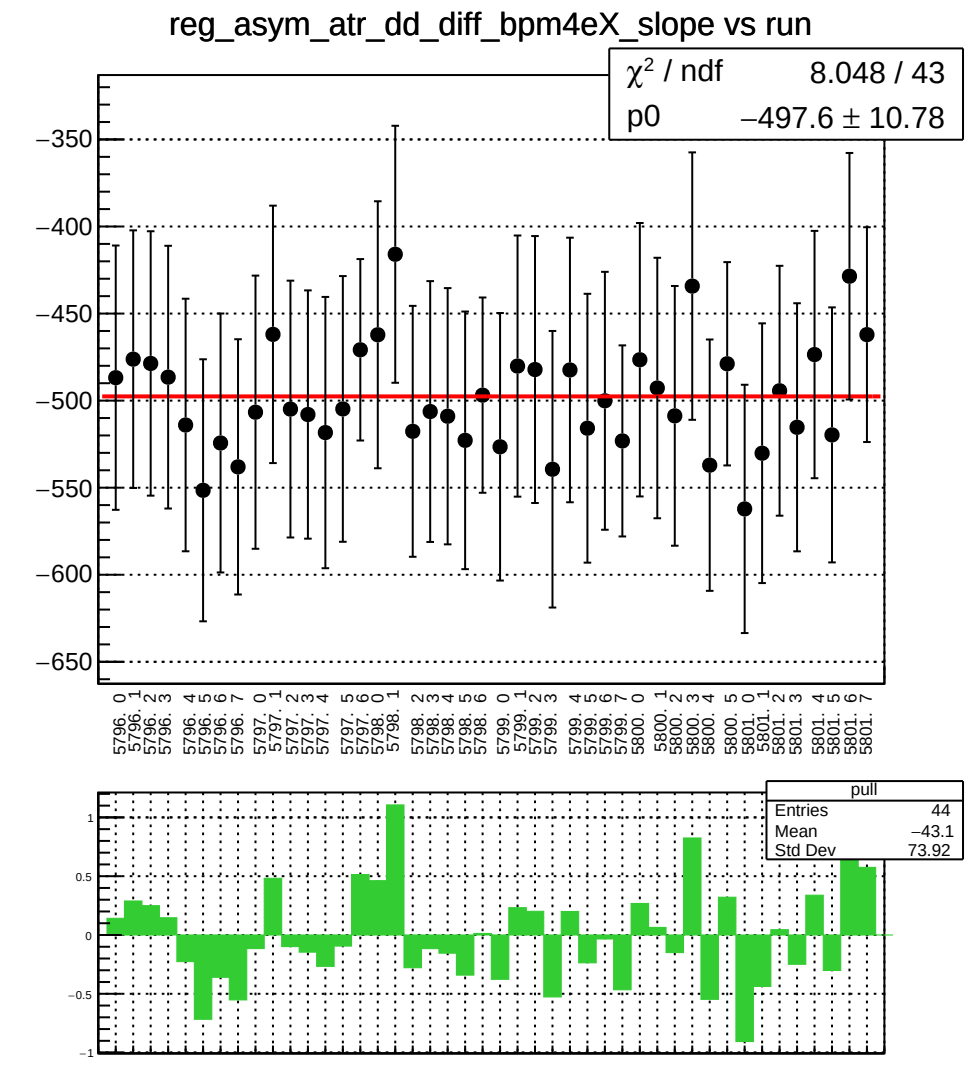

pull1D
Entries 44
Mean 0.01257
Std Dev 0.6809

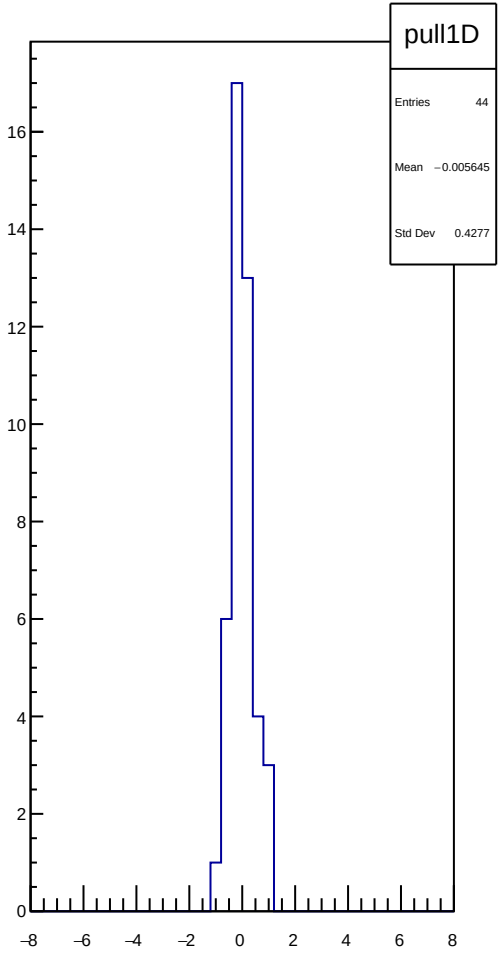

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 8.197 / 43
p0 308.2 ± 8.504
400
350
300
250
200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −18.53
Std Dev 53.4
1
0.5
0
−0.5
−1

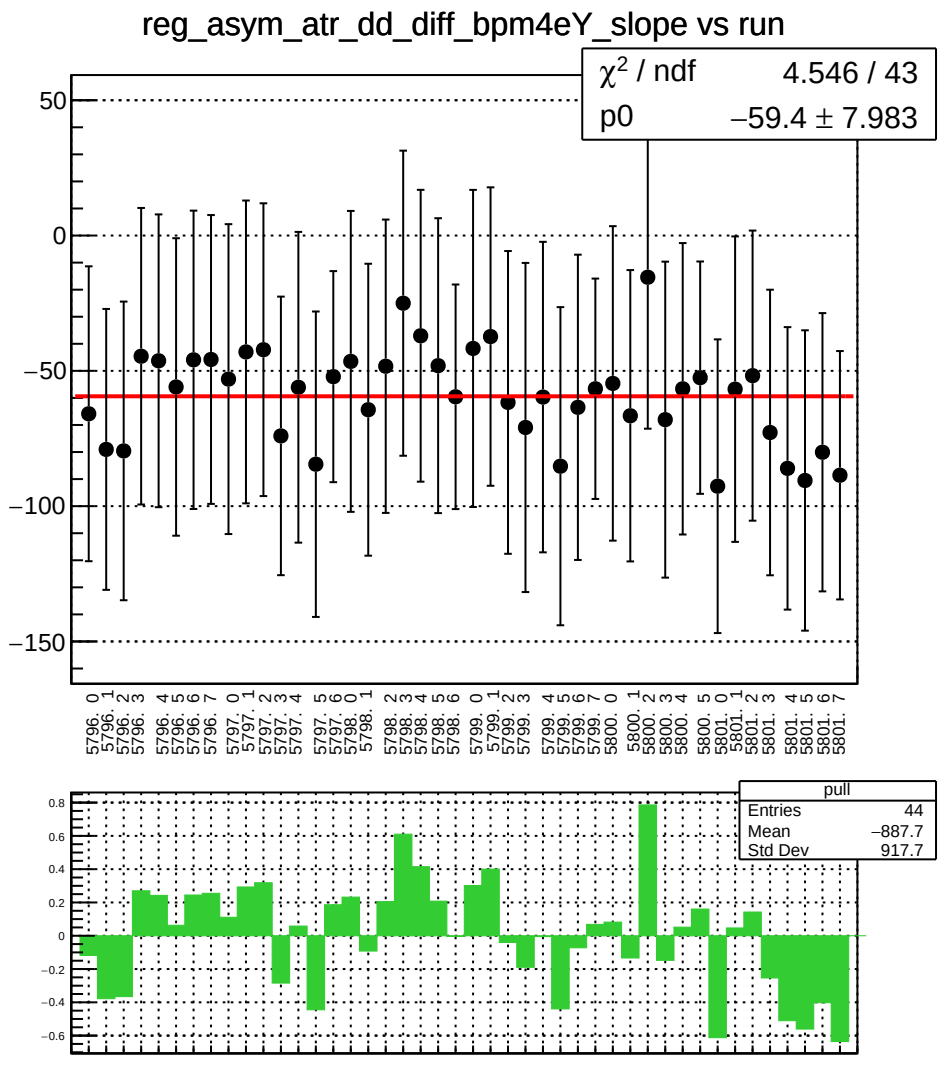

pull1D
Entries 44
Mean 0.005107
Std Dev 0.4316
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

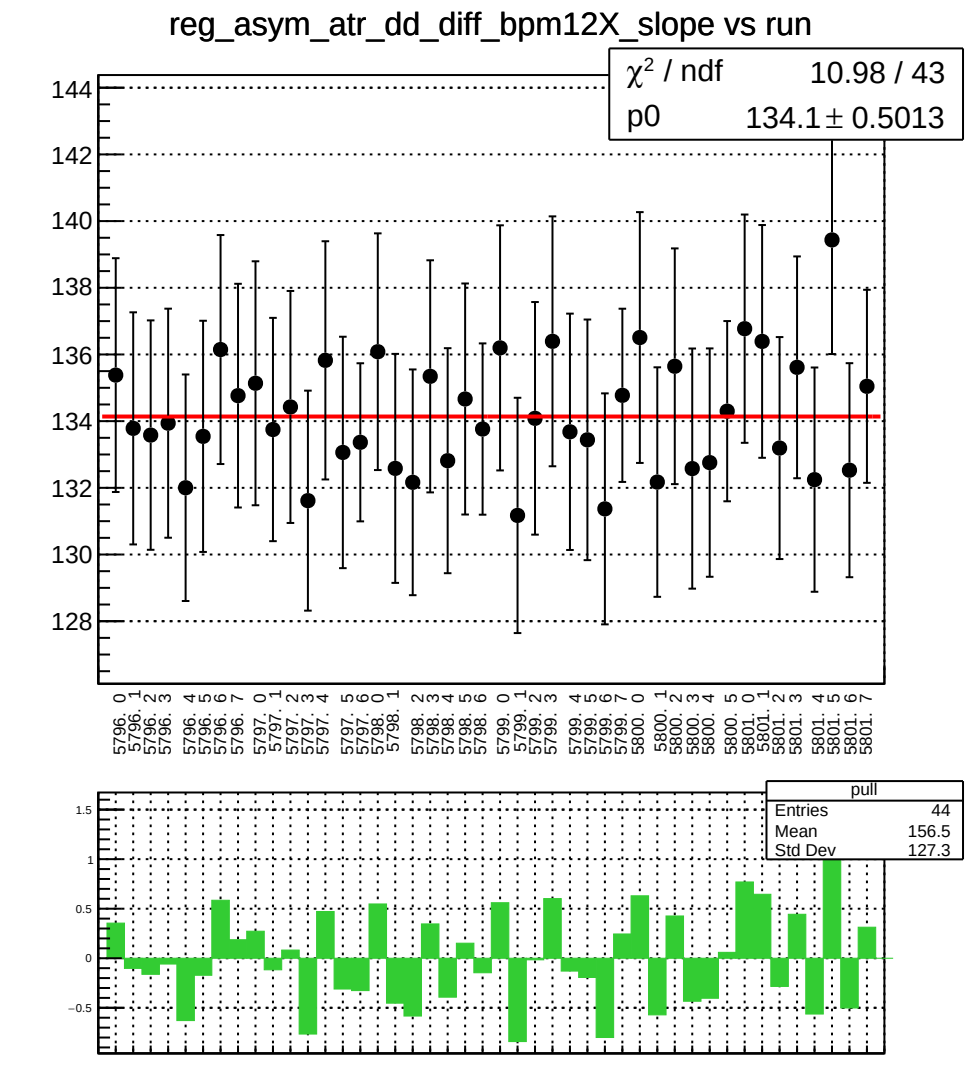

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.141 / 43
p0 −13.95 ± 7.316
pull
Entries 44
Mean −2207
Std Dev 2237

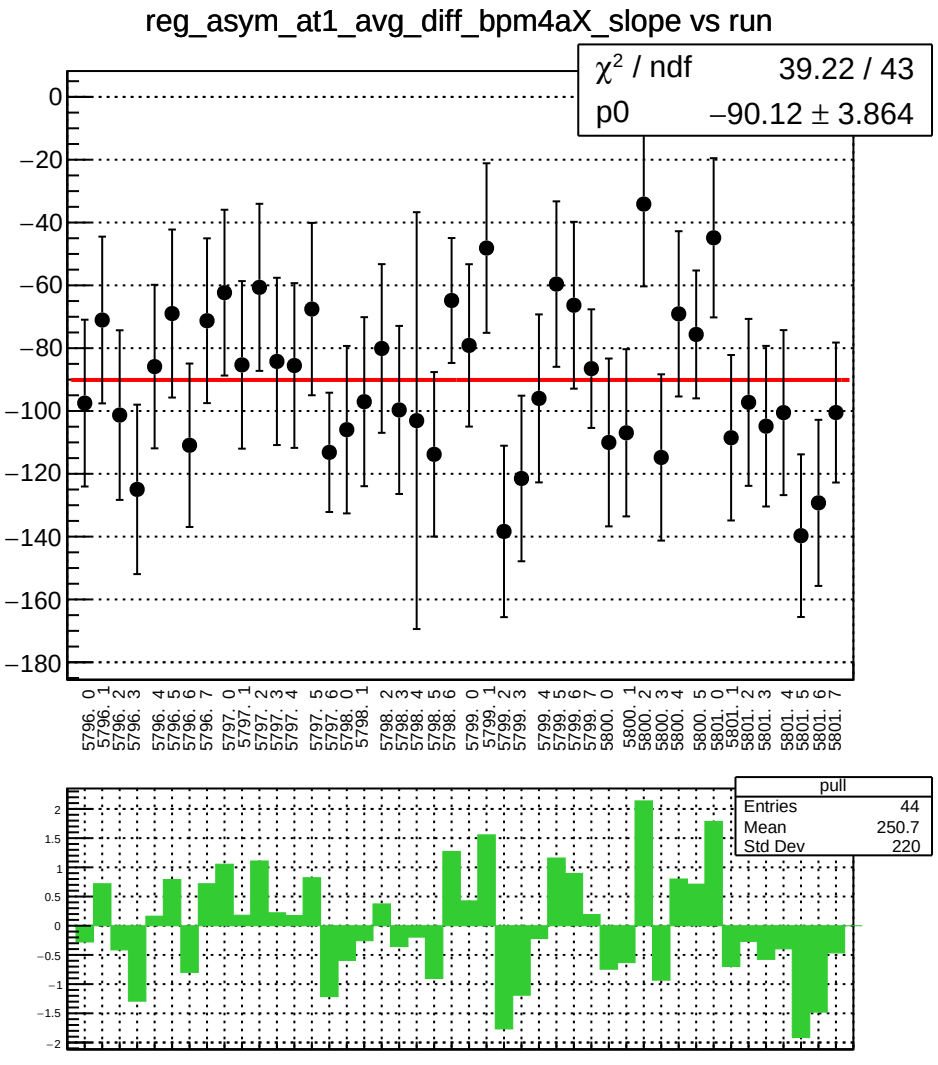

pull1D
Entries 44
Mean −0.0005273
Std Dev 0.3068

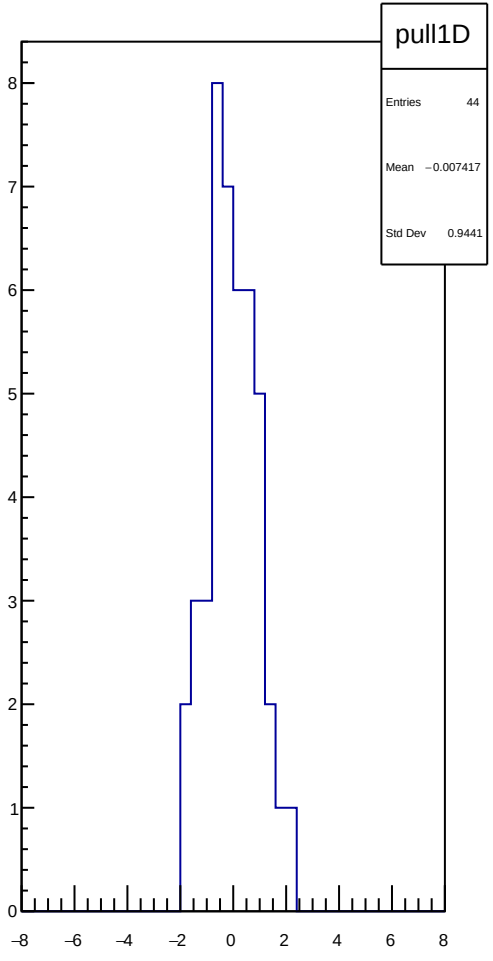

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.048 / 43
p0 −497.6 ± 10.78
pull
Entries 44
Mean −43.1
Std Dev 73.92

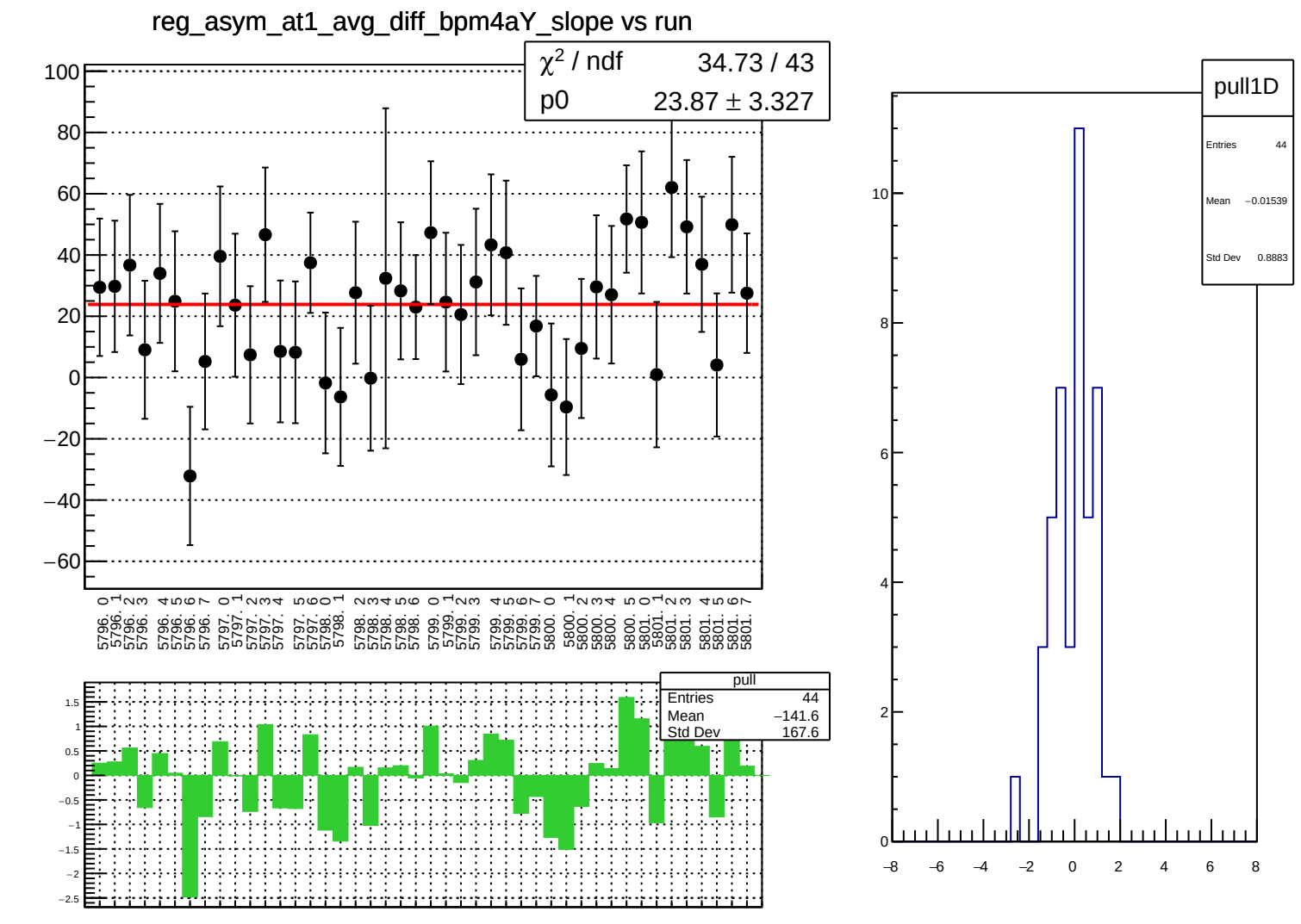

pull1D
Entries 44
Mean −0.005645
Std Dev 0.4277

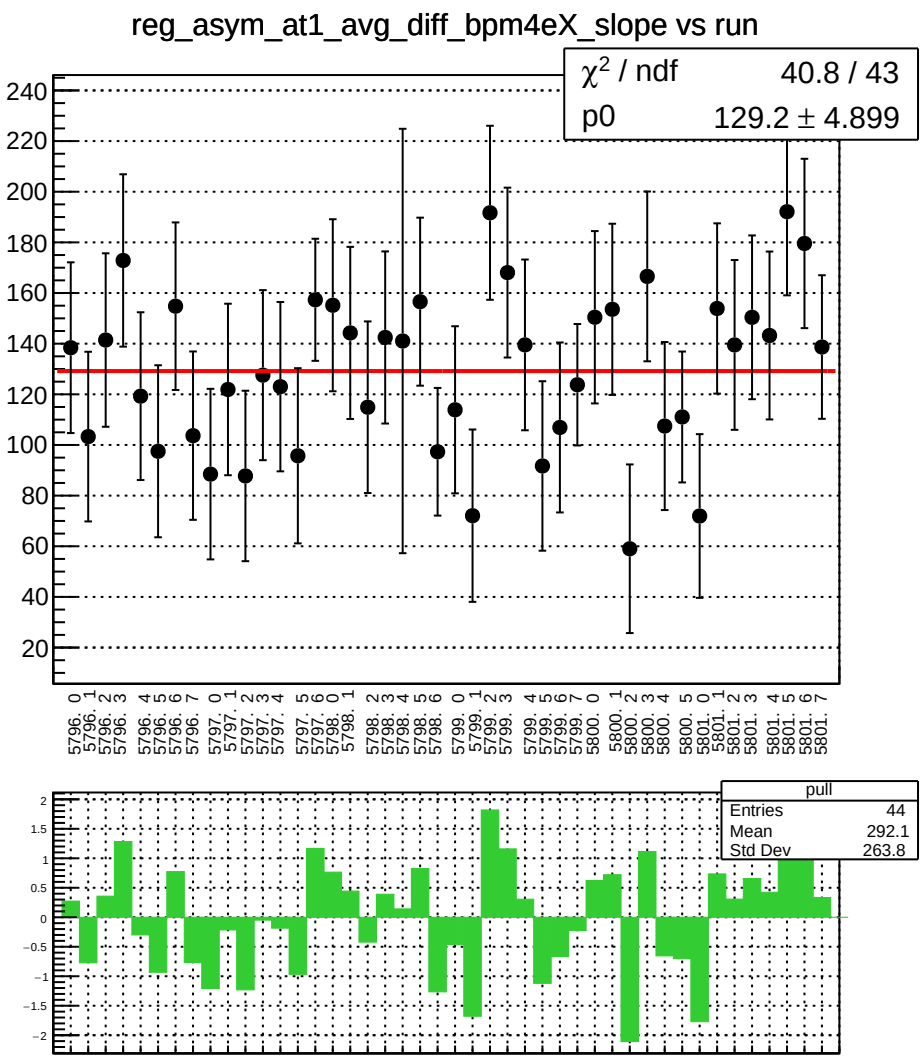

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.546 / 43
p0 −59.4 ± 7.983
50
0
−50
−100
−150
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −887.7
Std Dev 917.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 44
Mean 0.001396
Std Dev 0.3214
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

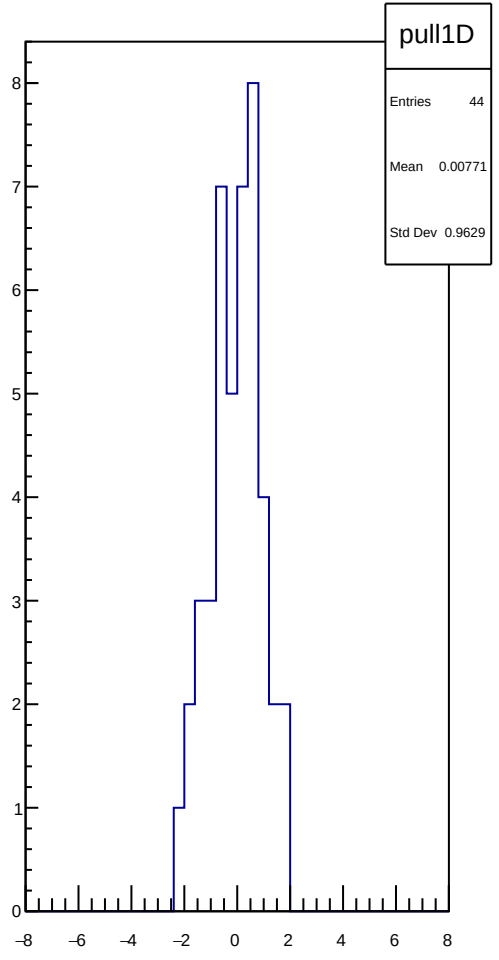

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 10.98 / 43
p0 134.1 ± 0.5013
144
142
140
138
136
134
132
130
128
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 156.5
Std Dev 127.3
1.5
1
0.5
0
−0.5
pull1D
Entries 44
Mean 0.006604
Std Dev 0.4994
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

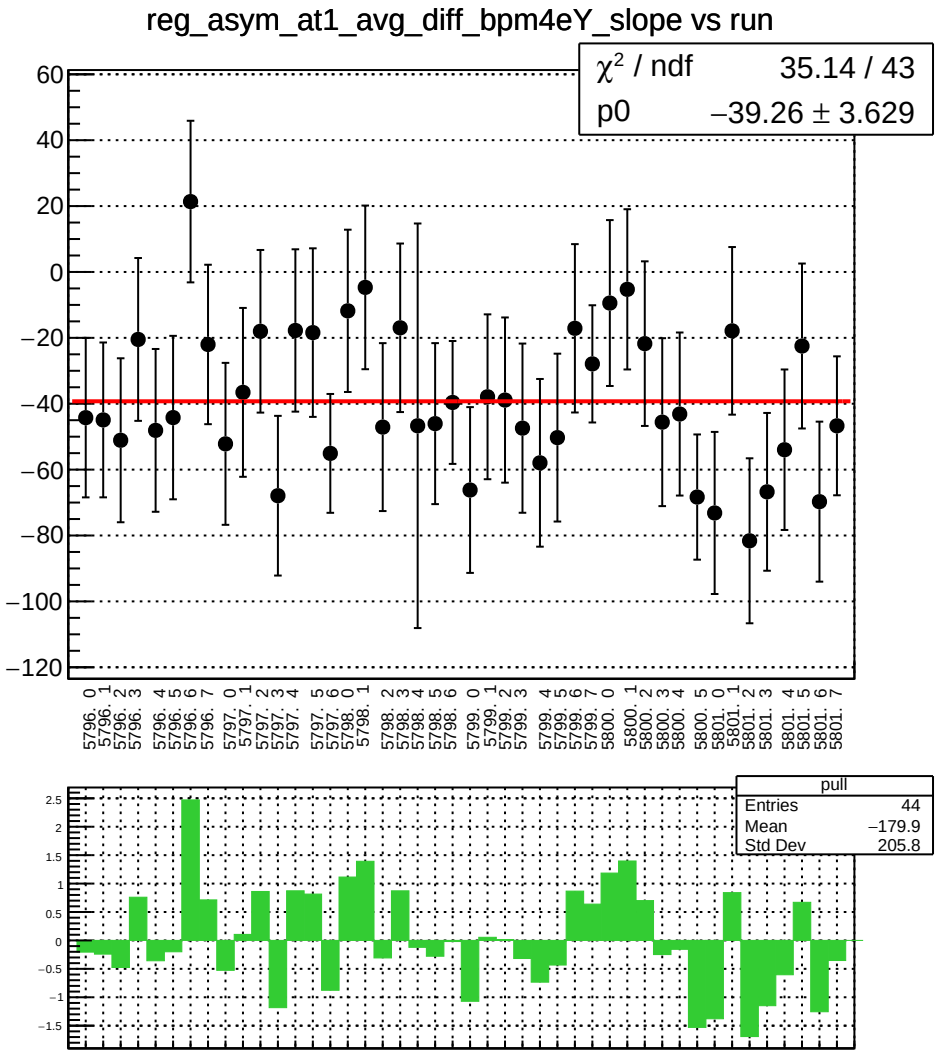

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 39.22 / 43
p0 −90.12 ± 3.864
pull
Entries 44
Mean 250.7
Std Dev 220

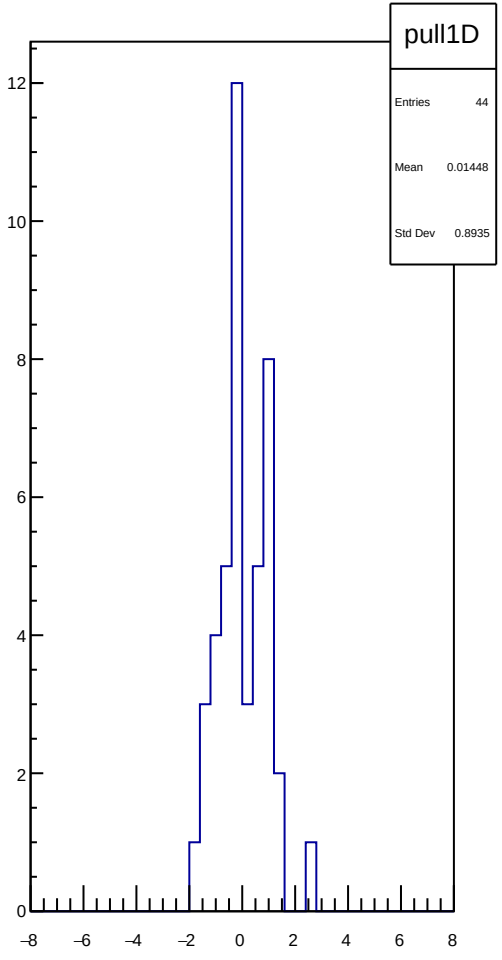

pull1D
Entries 44
Mean −0.007417
Std Dev 0.9441

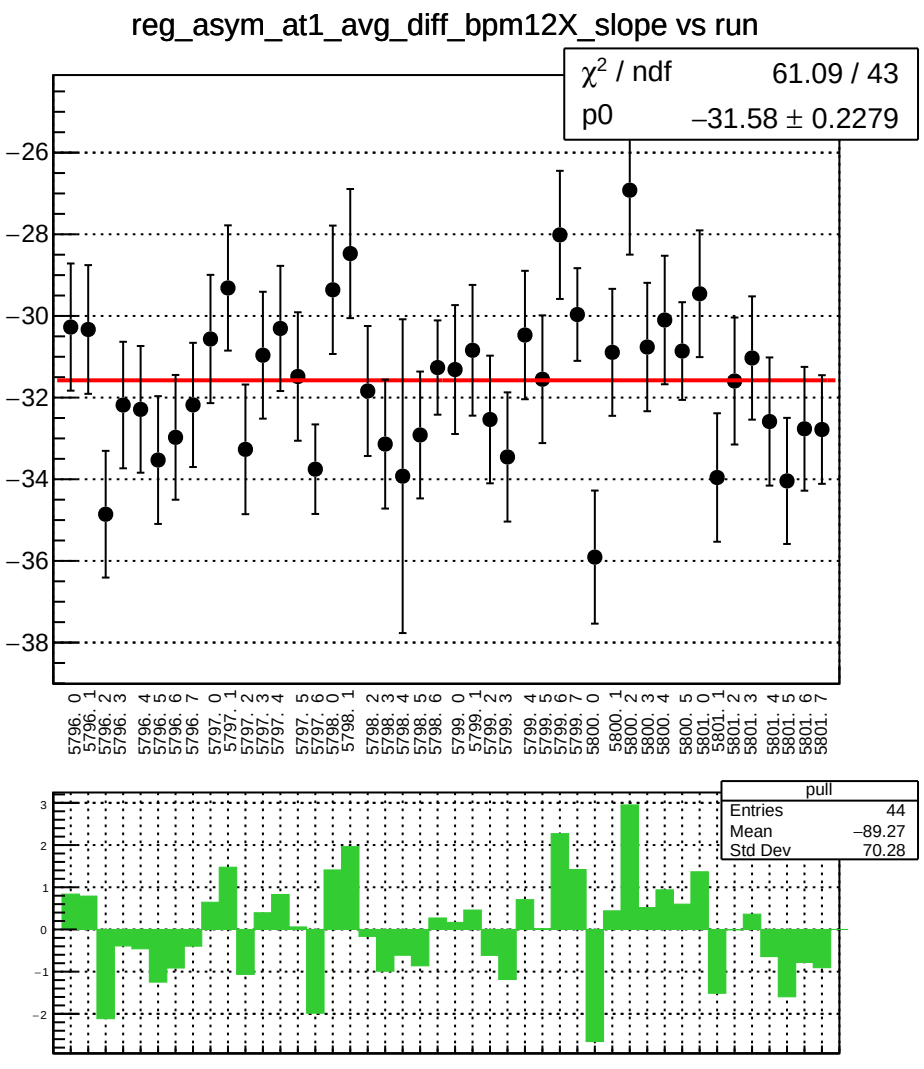

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.73 / 43
p0 23.87 ± 3.327
pull
Entries 44
Mean −141.6
Std Dev 167.6
pull1D
Entries 44
Mean −0.01539
Std Dev 0.8883

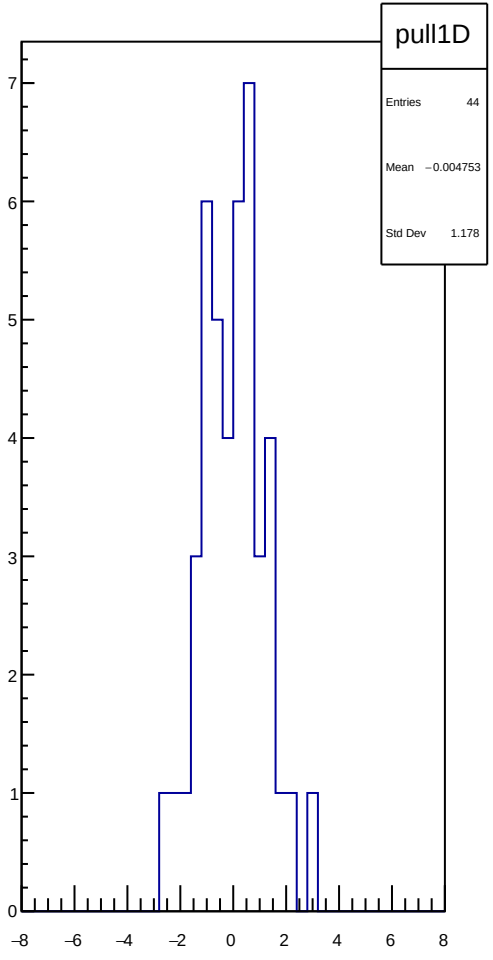

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.8 / 43
p0 129.2 ± 4.899
pull
Entries 44
Mean 292.1
Std Dev 263.8

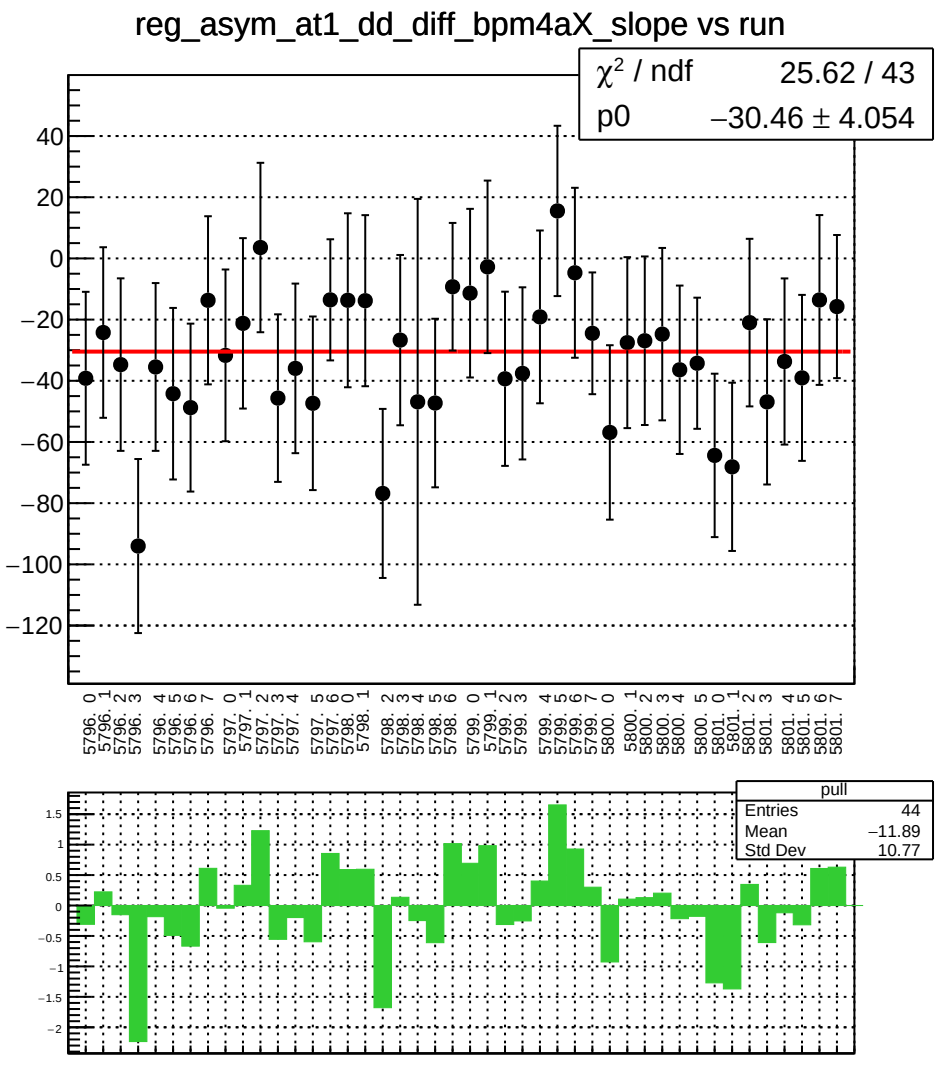

pull1D
Entries 44
Mean 0.00771
Std Dev 0.9629

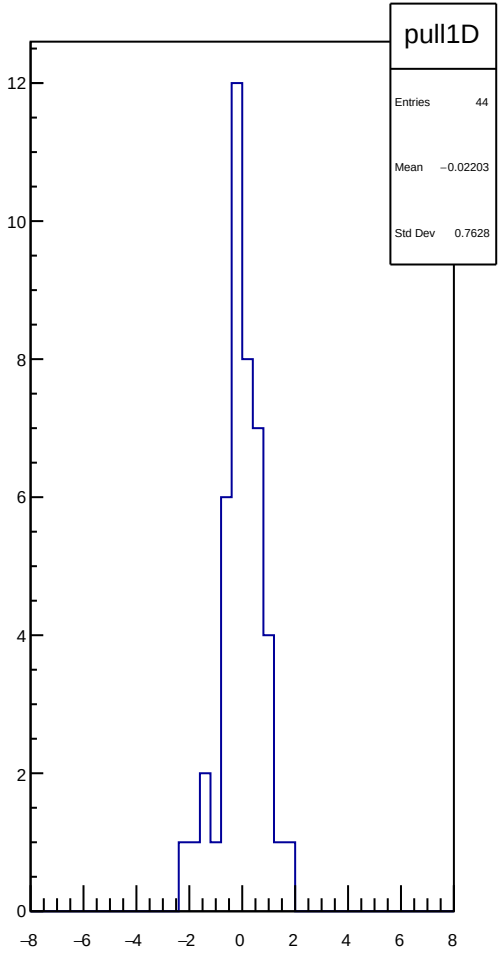

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.14 / 43
p0 −39.26 ± 3.629
pull
Entries 44
Mean −179.9
Std Dev 205.8

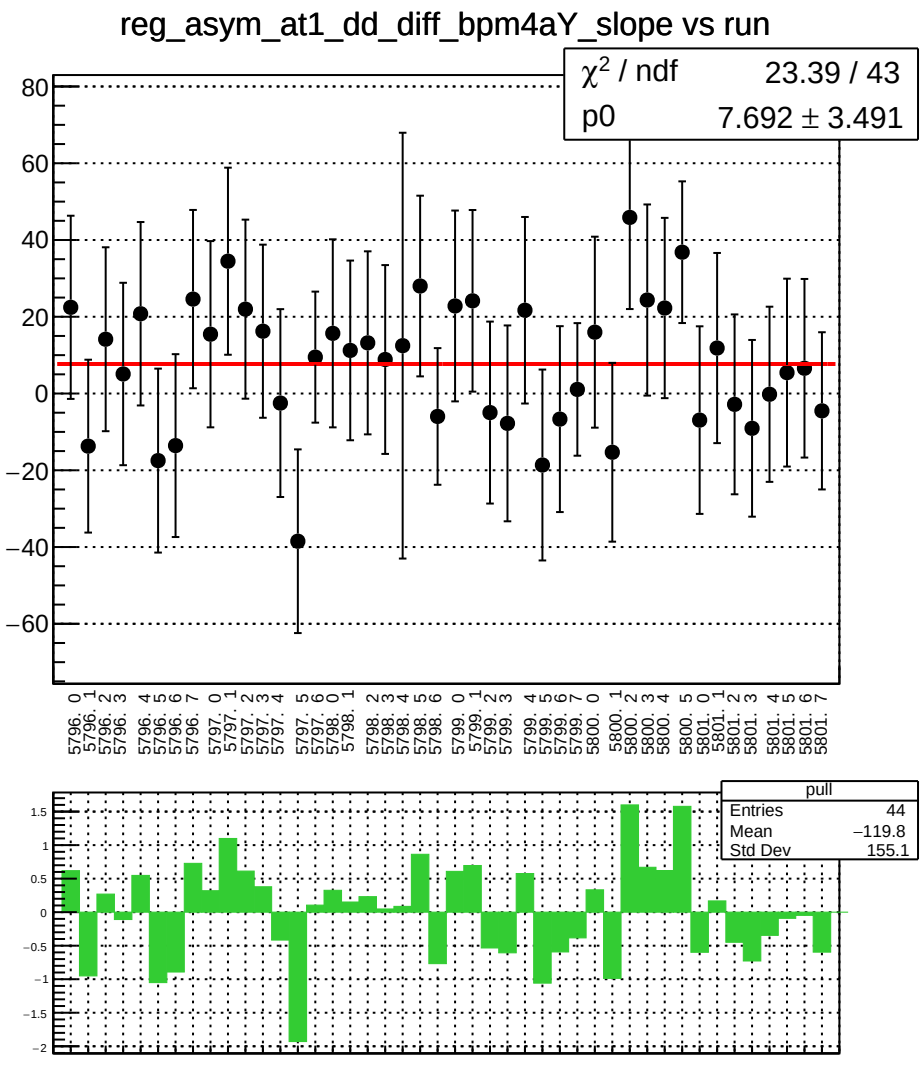

pull1D
Entries 44
Mean 0.01448
Std Dev 0.8935

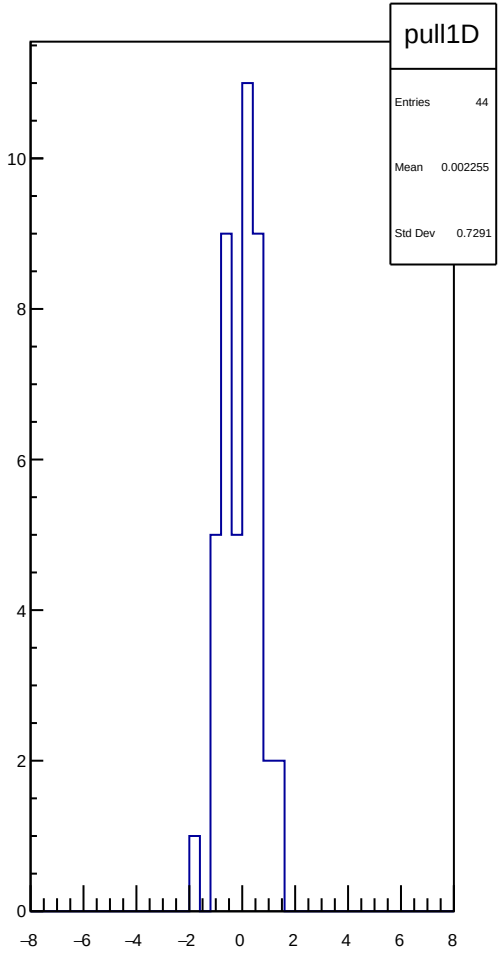

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 61.09 / 43
p0 −31.58 ± 0.2279
pull
Entries 44
Mean −89.27
Std Dev 70.28

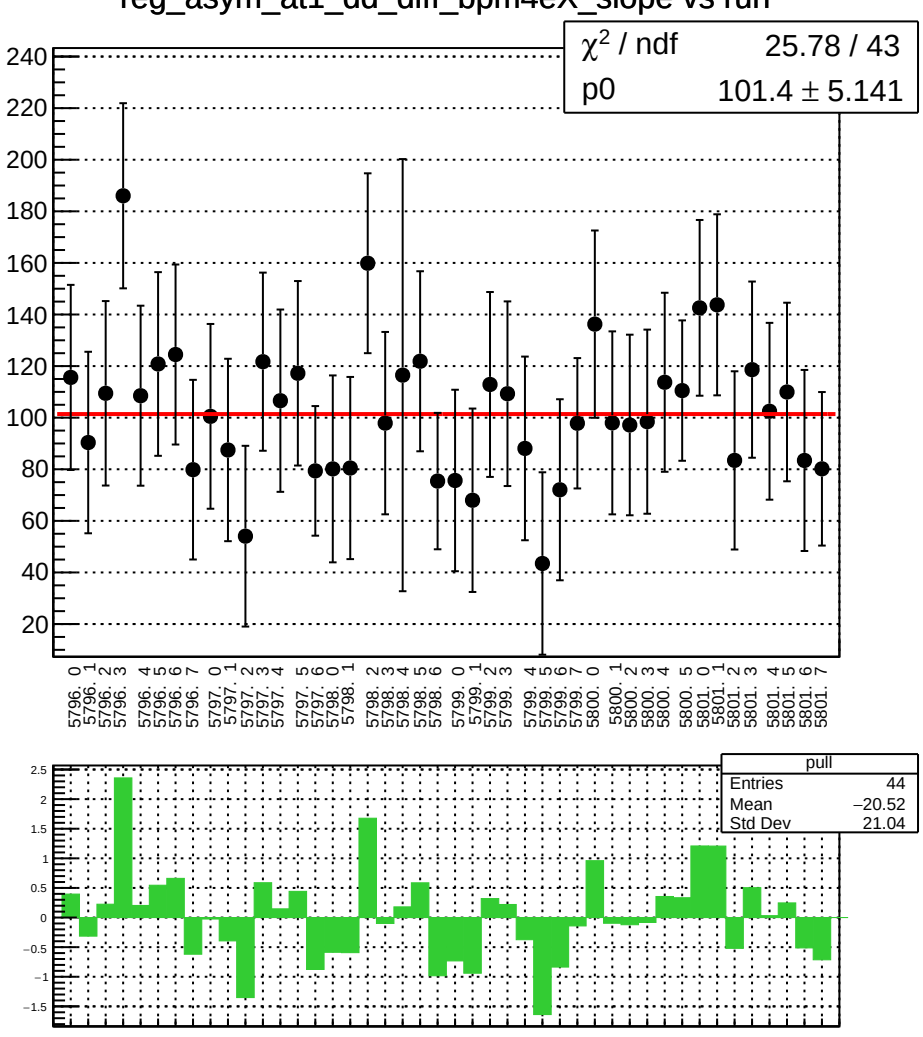

pull1D
Entries 44
Mean −0.004753
Std Dev 1.178

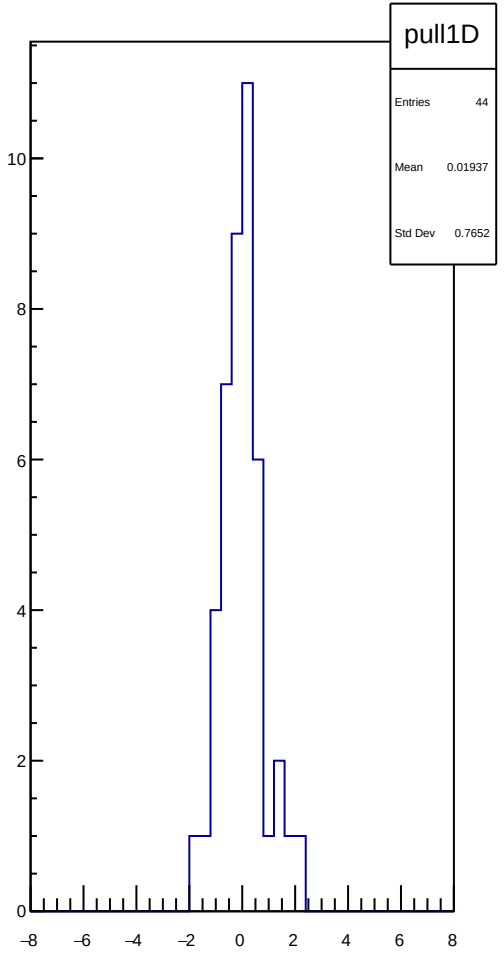

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 25.62 / 43
p0 −30.46 ± 4.054
40
20
0
−20
−40
−60
−80
−100
−120
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −11.89
Std Dev 10.77
1.5
1
0.5
0
−0.5
−1
−1.5
−2

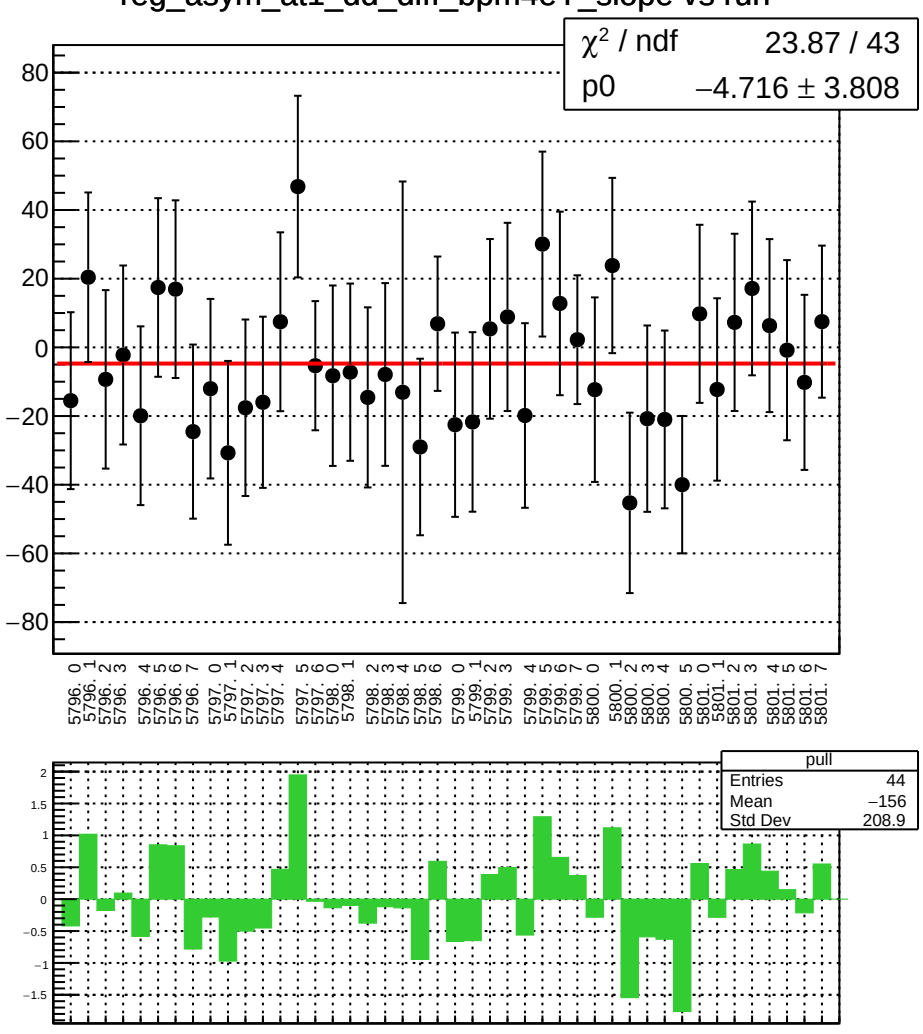

pull1D
Entries 44
Mean −0.02203
Std Dev 0.7628
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

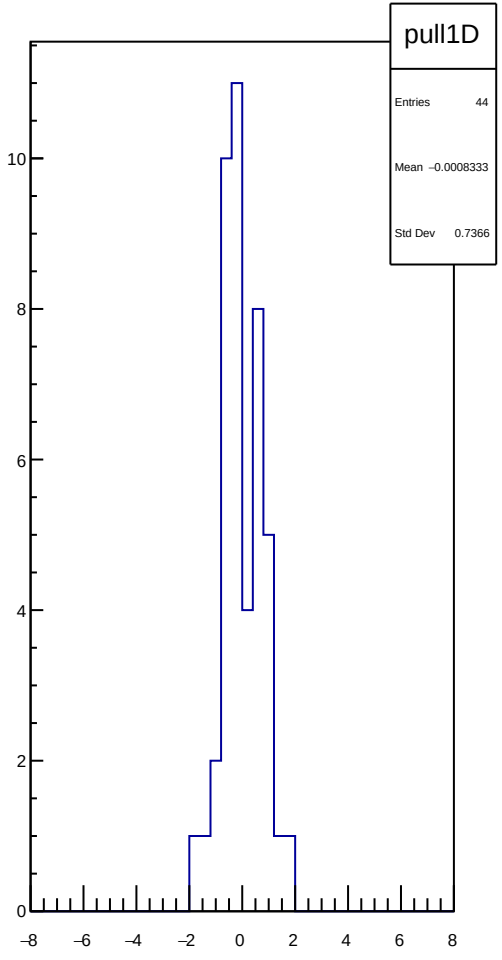

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.39 / 43
p0 7.692 ± 3.491
pull
Entries 44
Mean −119.8
Std Dev 155.1

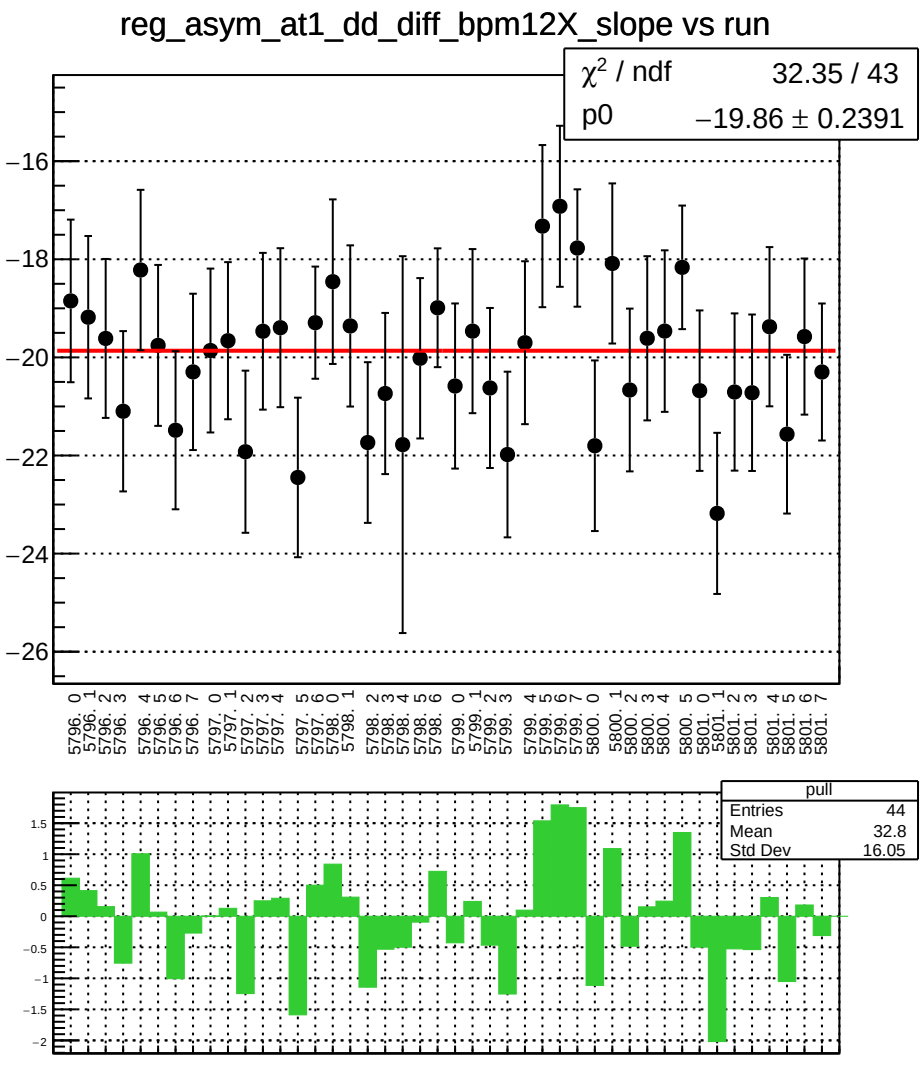

pull1D
Entries 44
Mean 0.002255
Std Dev 0.7291

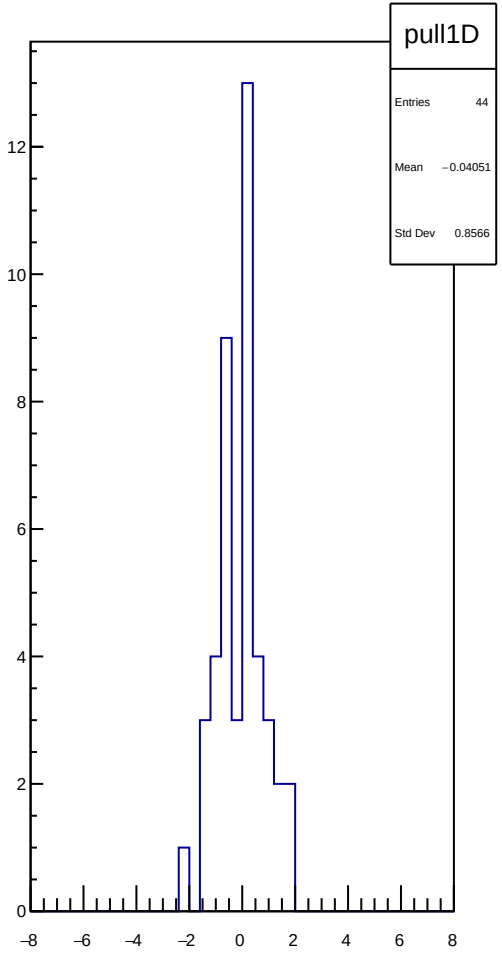

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.78 / 43
p0 101.4 ± 5.141
pull
Entries 44
Mean −20.52
Std Dev 21.04

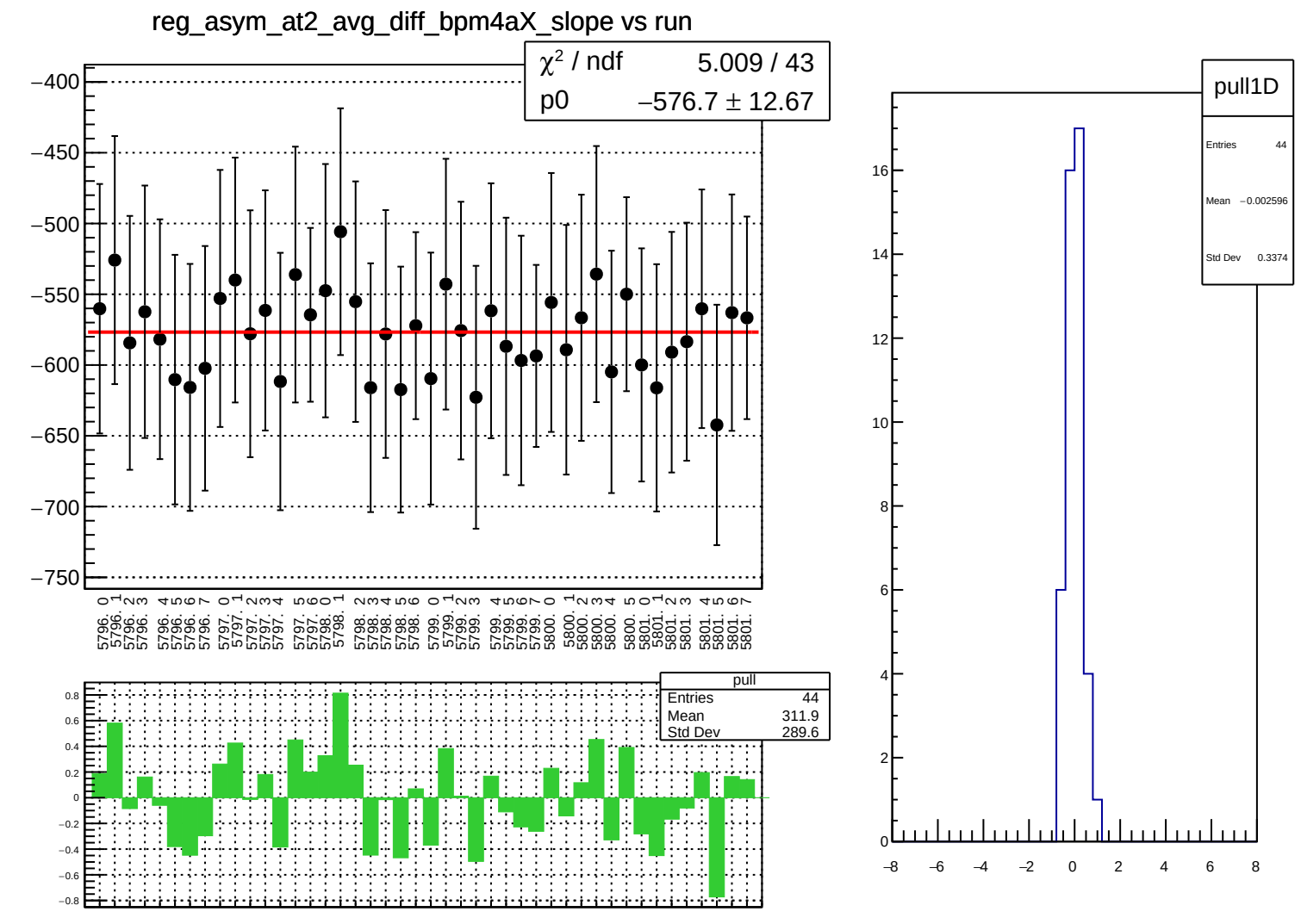

pull1D
Entries 44
Mean 0.01937
Std Dev 0.7652

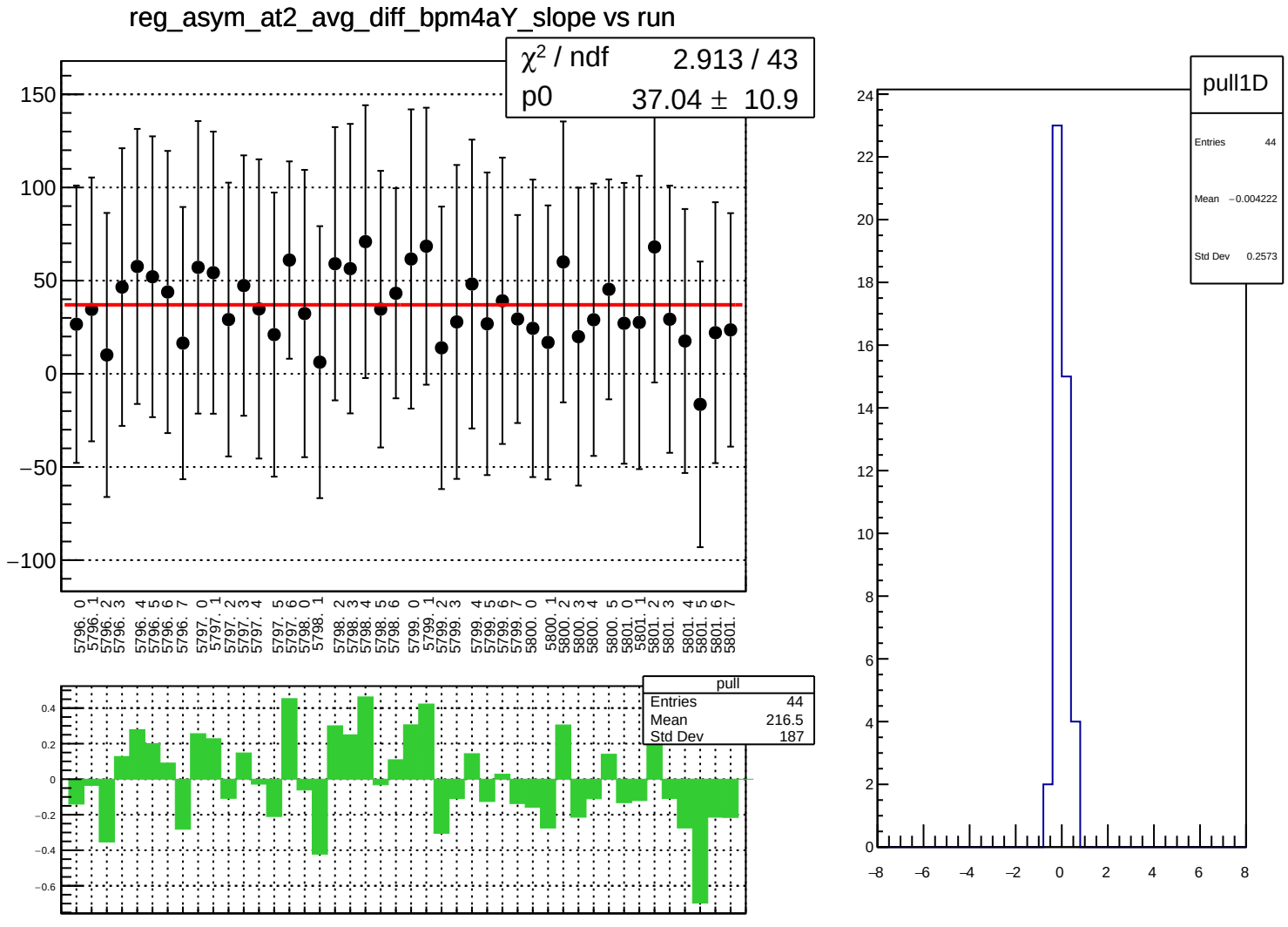

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.87 / 43
p0 −4.716 ± 3.808
pull
Entries 44
Mean −156
Std Dev 208.9

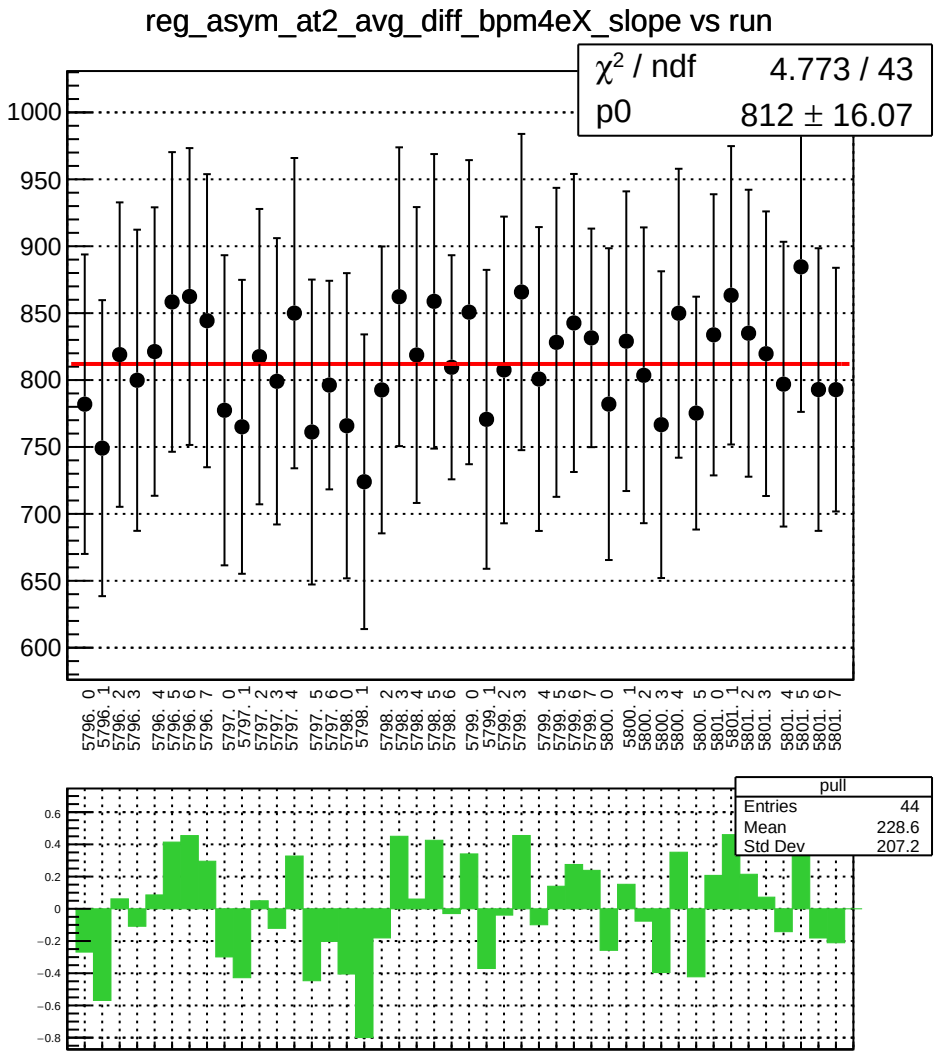

pull1D
Entries 44
Mean −0.0008333
Std Dev 0.7366

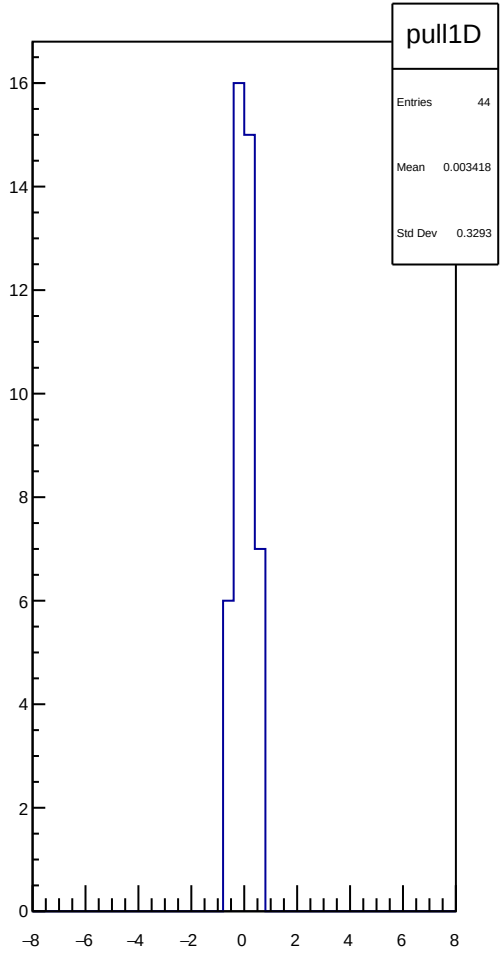

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 32.35 / 43
p0 −19.86 ± 0.2391
pull
Entries 44
Mean 32.8
Std Dev 16.05

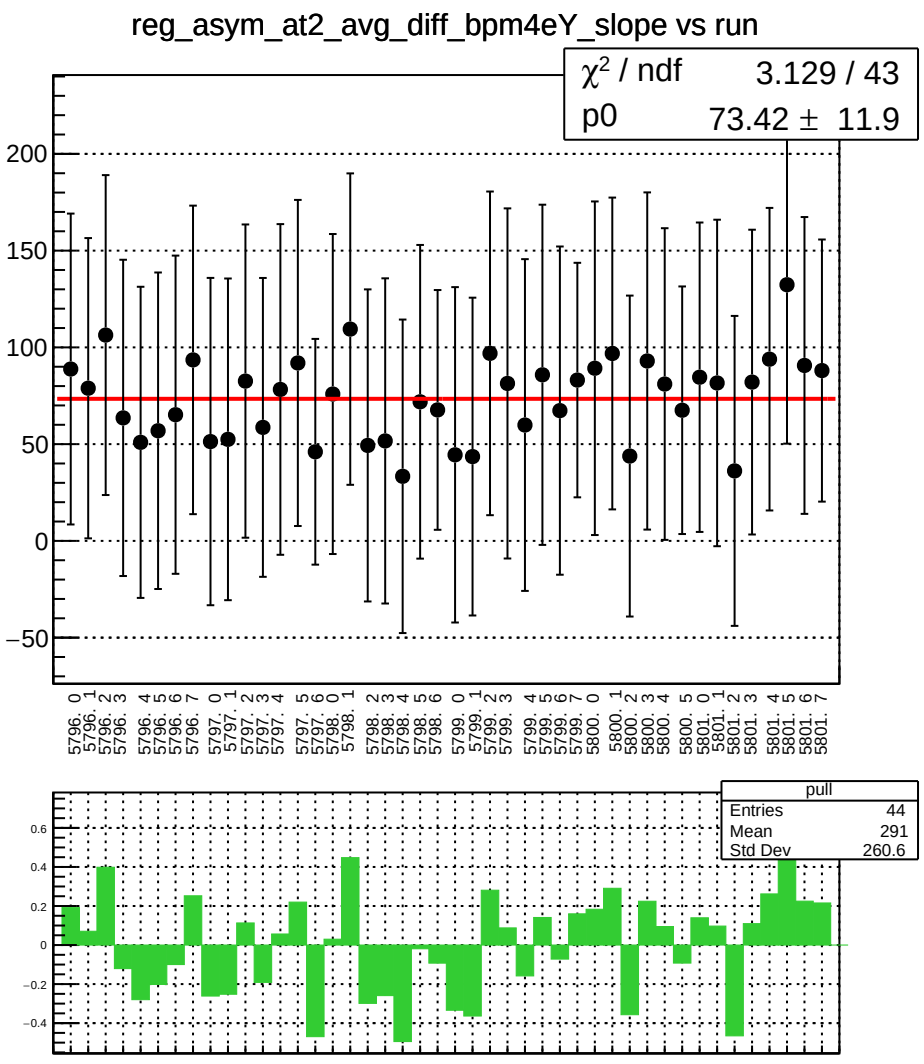

pull1D
Entries 44
Mean −0.04051
Std Dev 0.8566

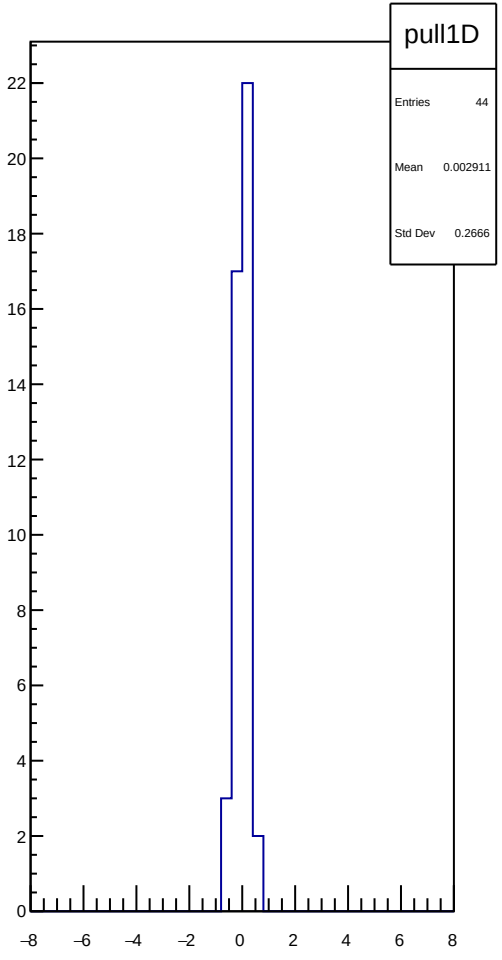

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.009 / 43
p0 −576.7 ± 12.67
−400
−450
−500
−550
−600
−650
−700
−750
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 311.9
Std Dev 289.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean −0.002596
Std Dev 0.3374
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

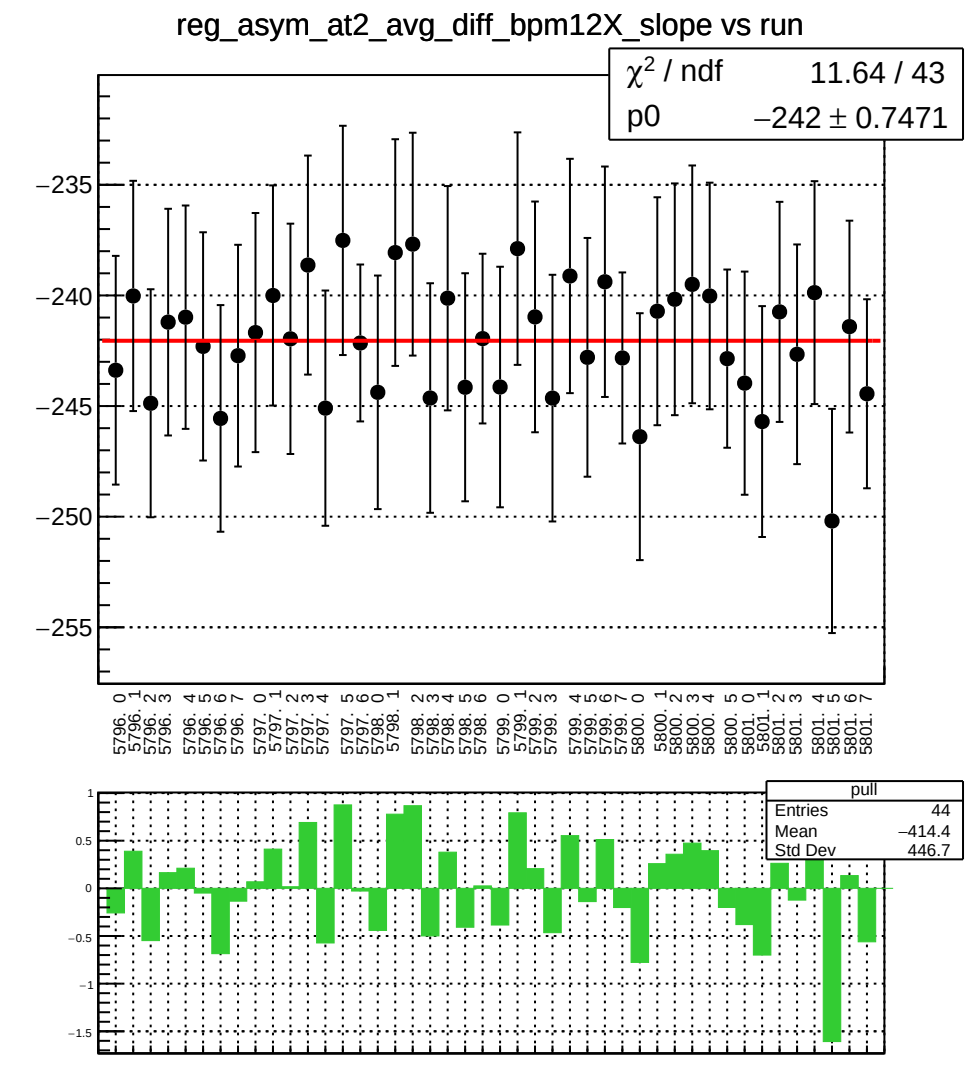

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.913 / 43
p0 37.04 ± 10.9
150
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 216.5
Std Dev 187
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 44
Mean −0.004222
Std Dev 0.2573
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

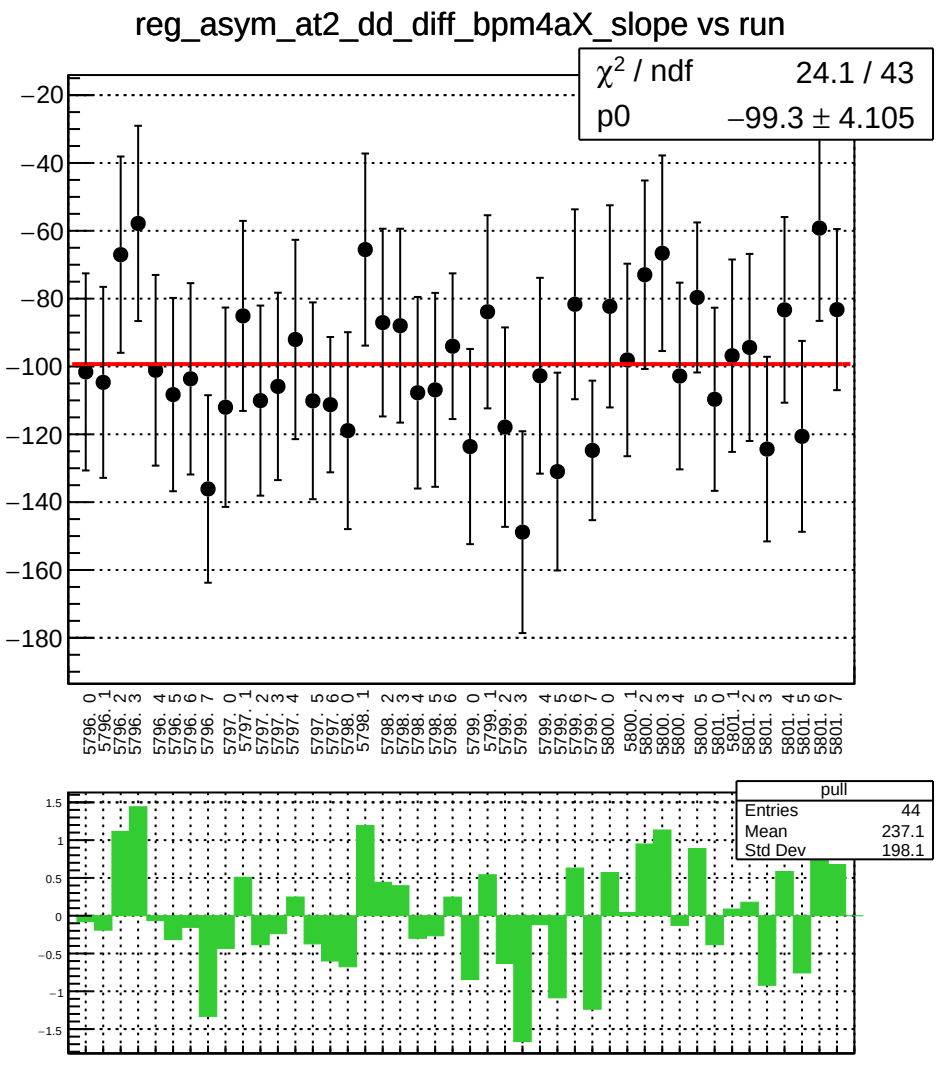

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.773 / 43
p0 812 ± 16.07
pull
Entries 44
Mean 228.6
Std Dev 207.2

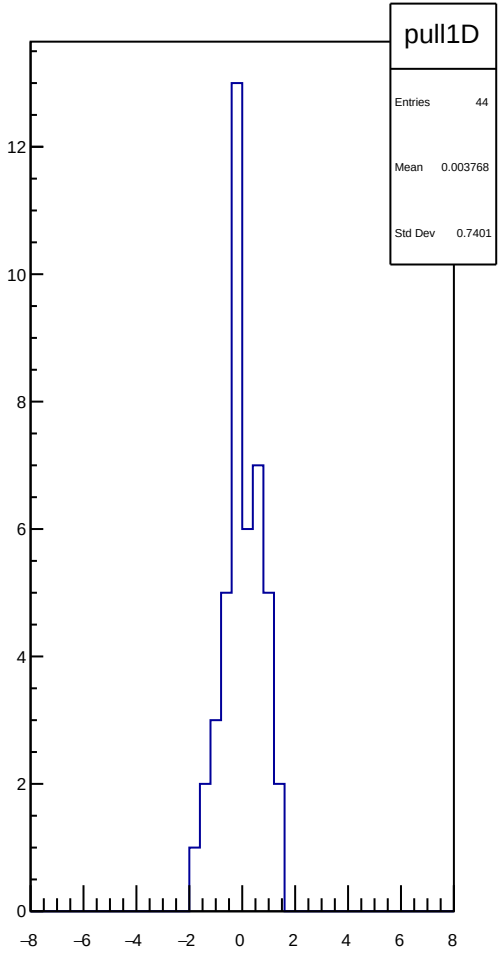

pull1D
Entries 44
Mean 0.003418
Std Dev 0.3293

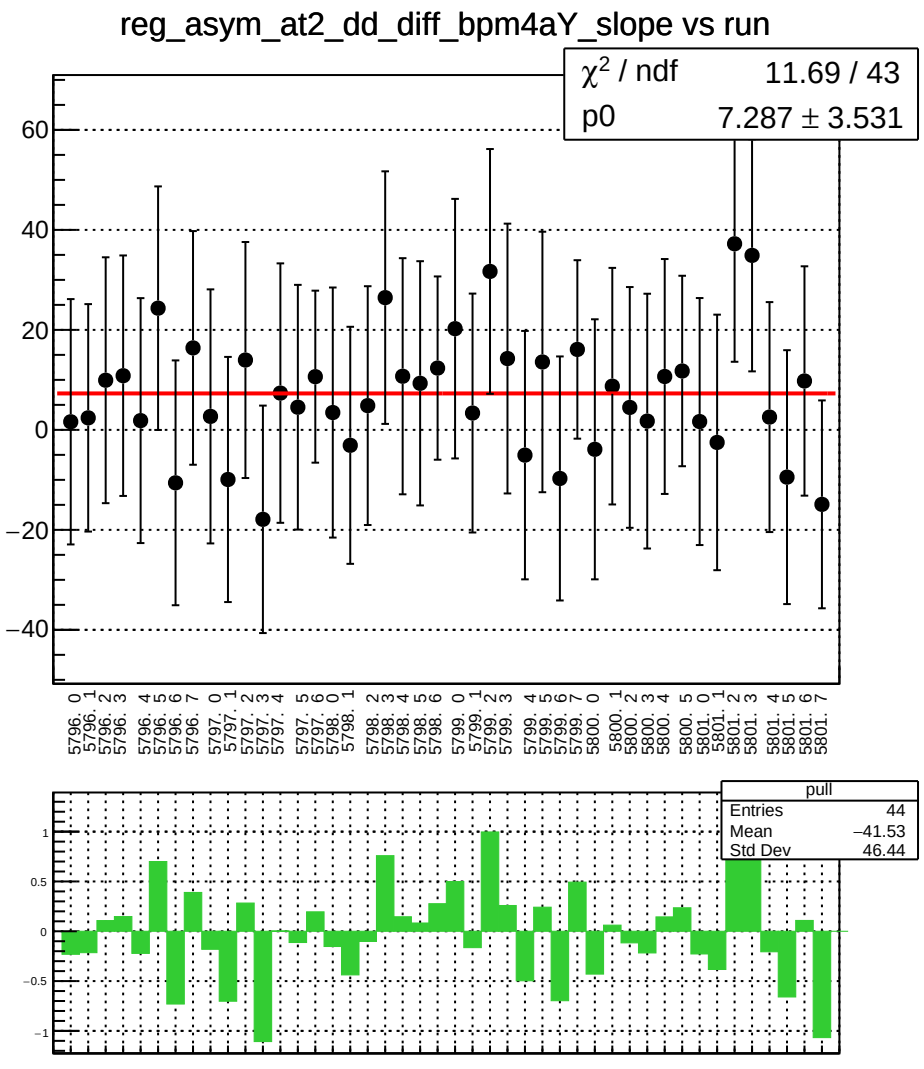

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.129 / 43
p0 73.42 ± 11.9
200
150
100
50
0
−50
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 291
Std Dev 260.6
0.6
0.4
0.2
0
−0.2
−0.4

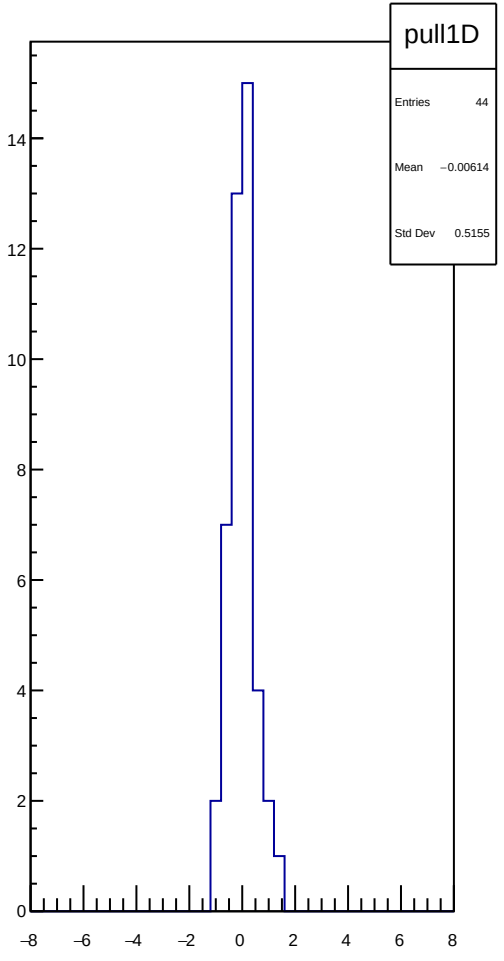

pull1D
Entries 44
Mean 0.002911
Std Dev 0.2666
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

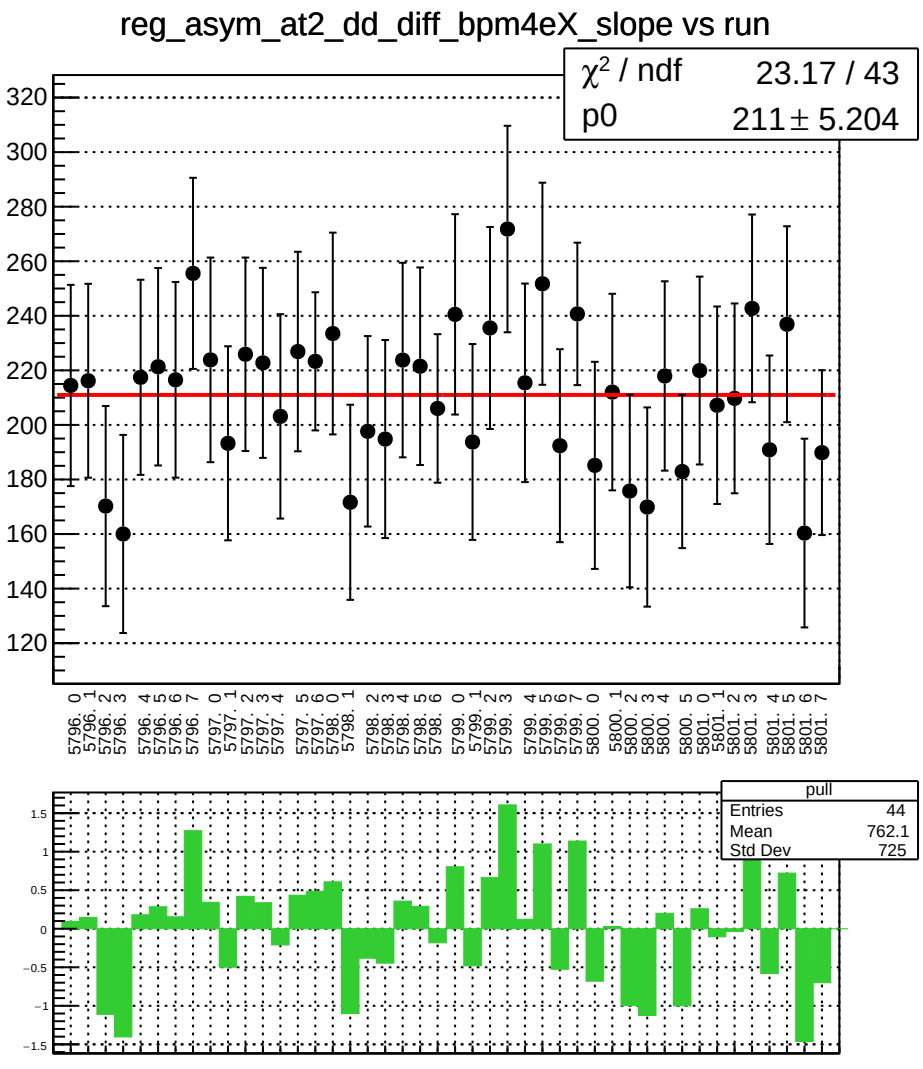

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 11.64 / 43
p0 −242 ± 0.7471
−235
−240
−245
−250
−255
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −414.4
Std Dev 446.7
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 44
Mean 0.002106
Std Dev 0.5144
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

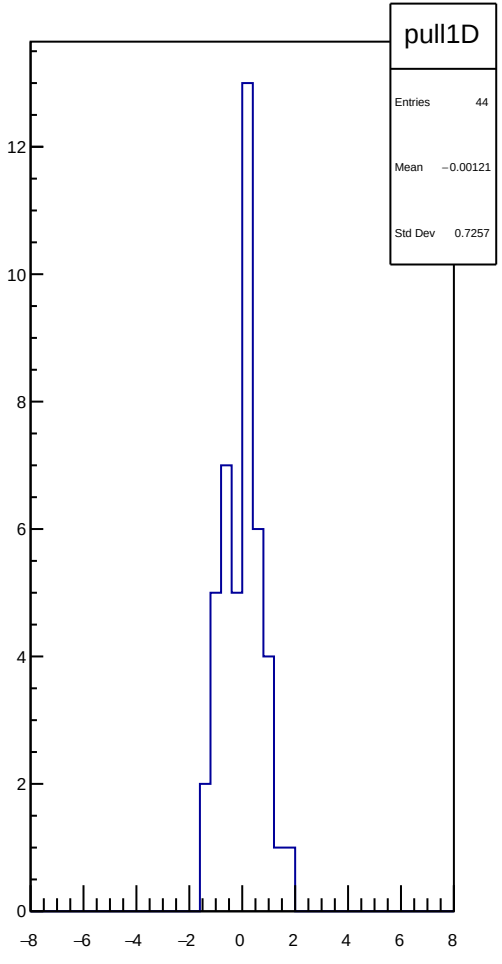

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.1 / 43
p0 −99.3 ± 4.105
pull
Entries 44
Mean 237.1
Std Dev 198.1

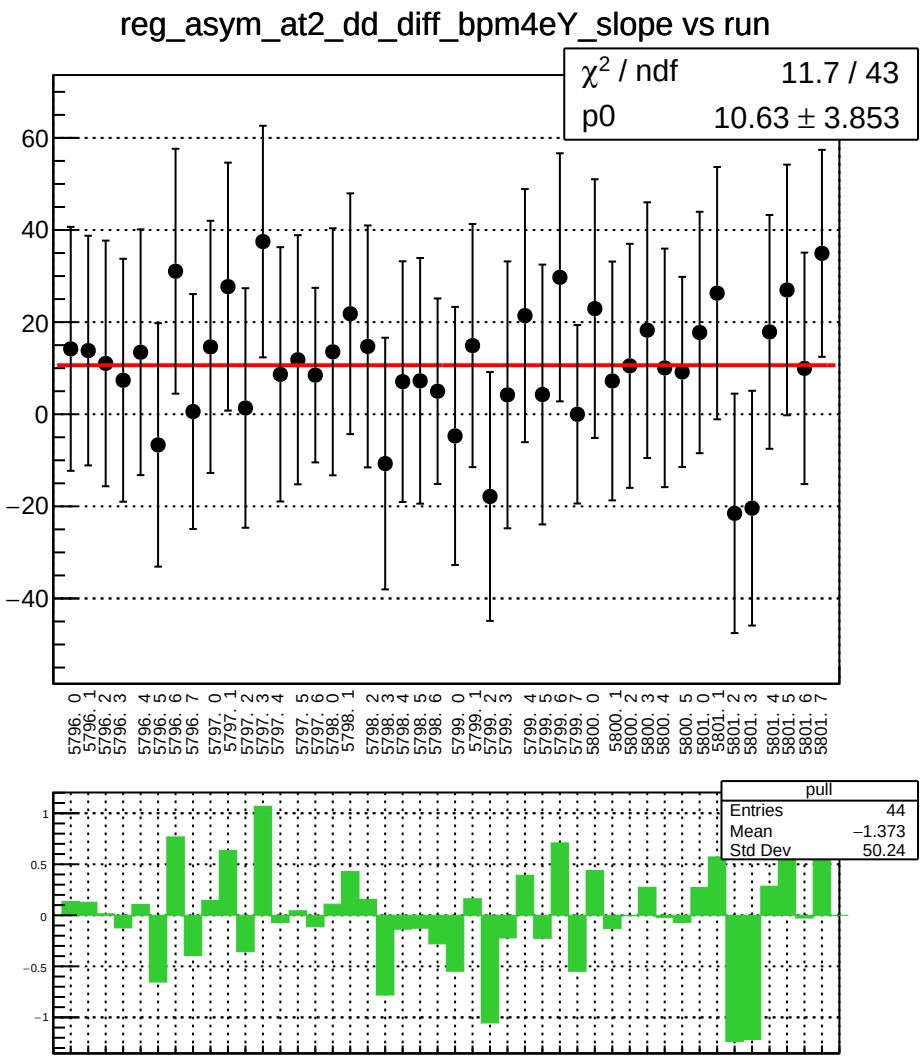

pull1D
Entries 44
Mean 0.003768
Std Dev 0.7401

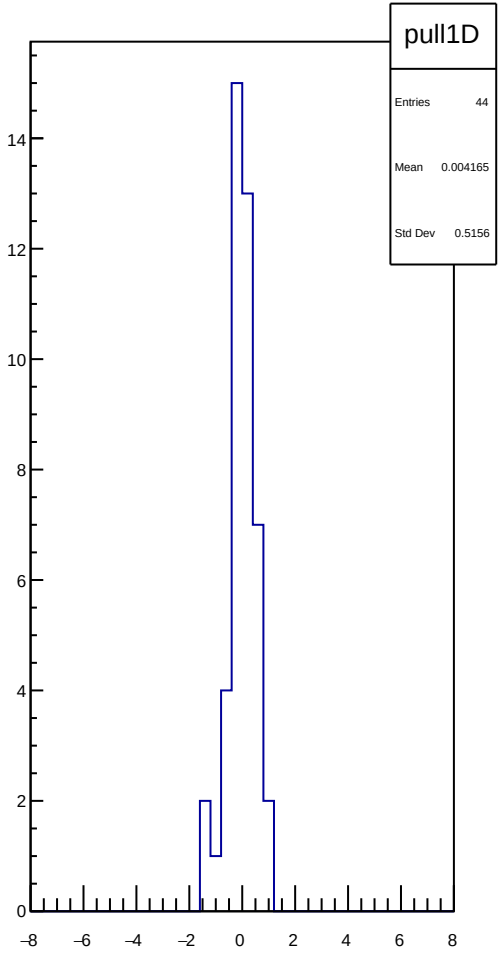

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.69 / 43
p0 7.287 ± 3.531
pull
Entries 44
Mean −41.53
Std Dev 46.44

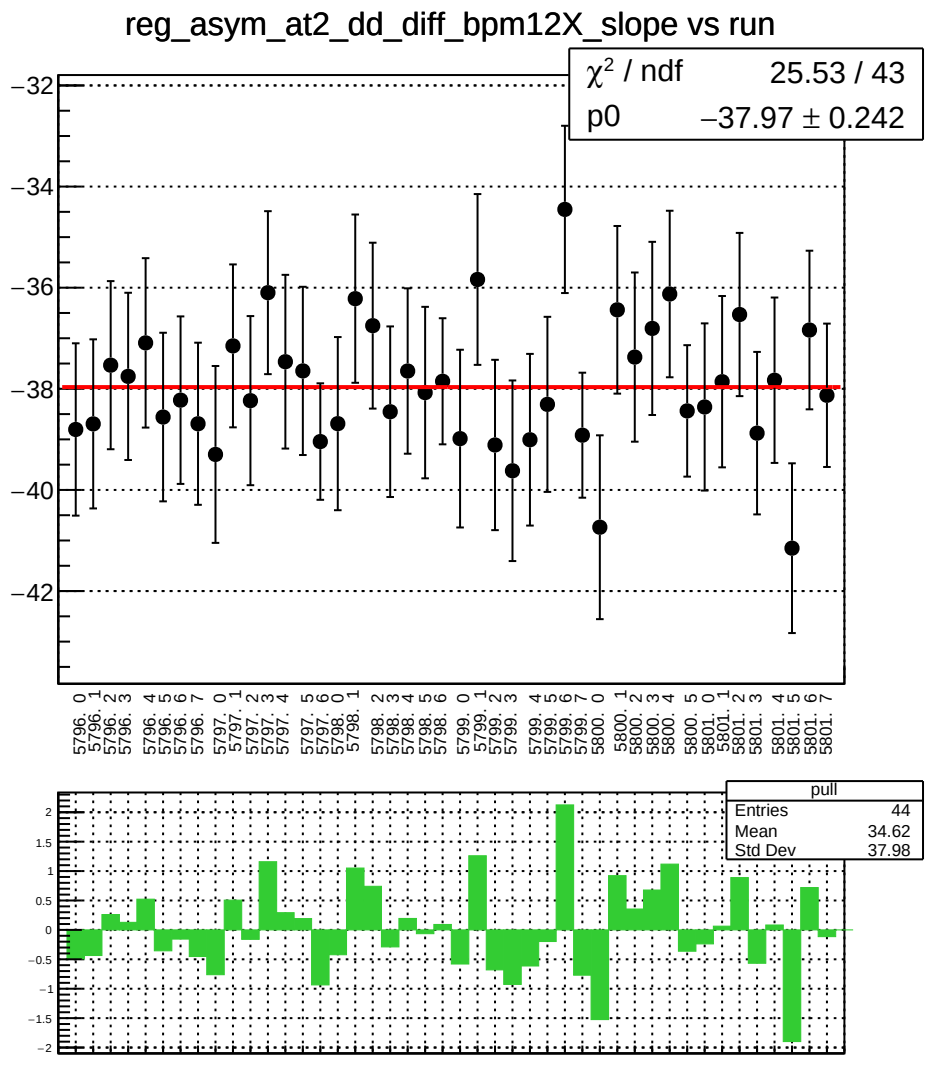

pull1D
Entries 44
Mean −0.00614
Std Dev 0.5155

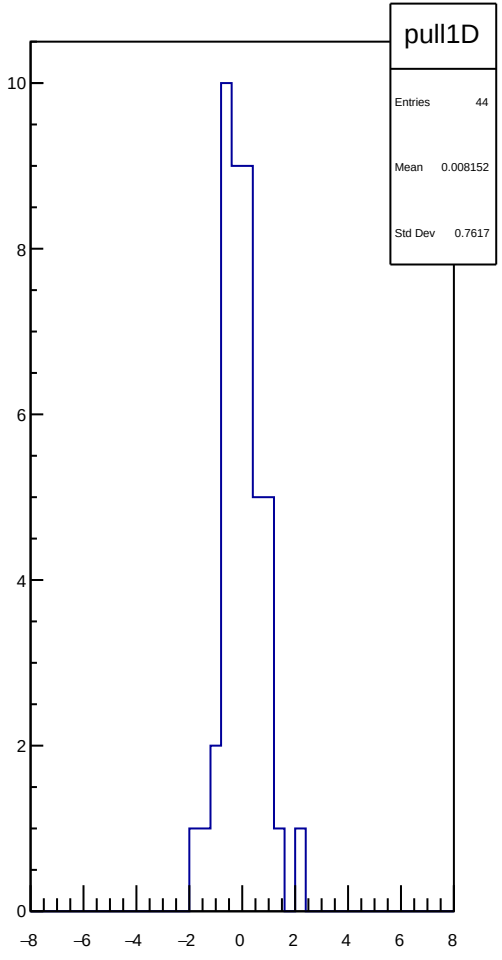

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.17 / 43
p0 211 ± 5.204
pull
Entries 44
Mean 762.1
Std Dev 725

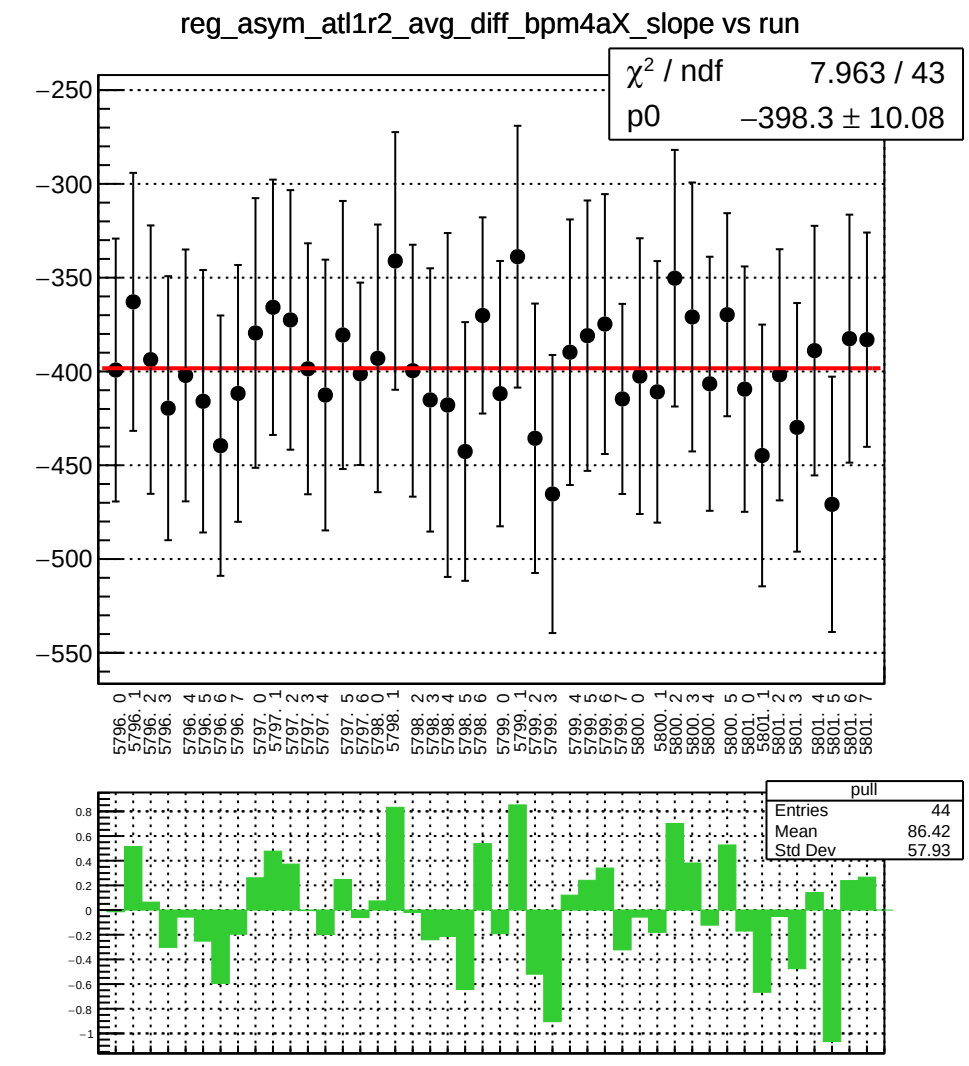

pull1D
Entries 44
Mean −0.00121
Std Dev 0.7257

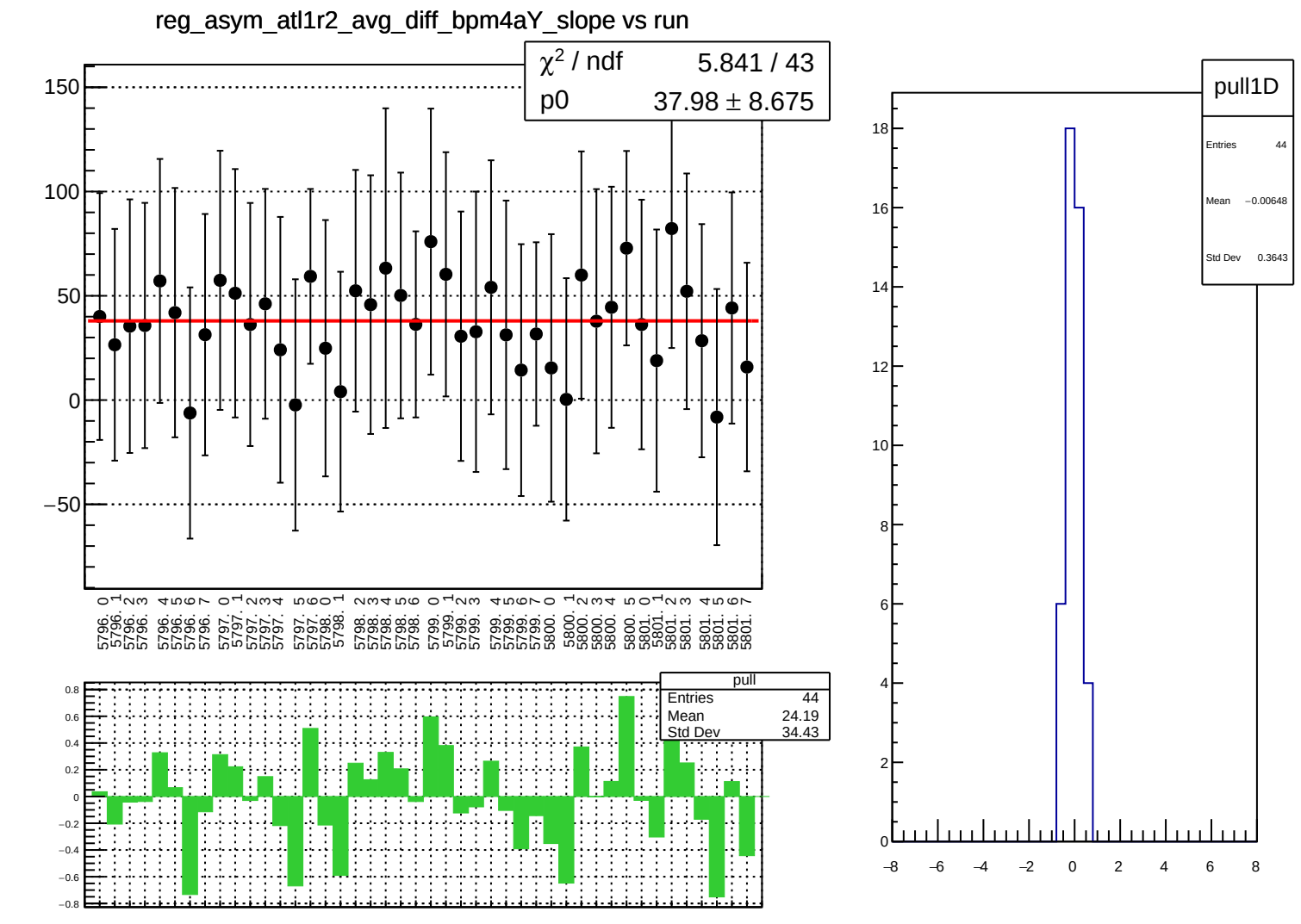

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.7 / 43
p0 10.63 ± 3.853
60
40
20
0
−20
−40
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −1.373
Std Dev 50.24
1
0.5
0
−0.5
−1

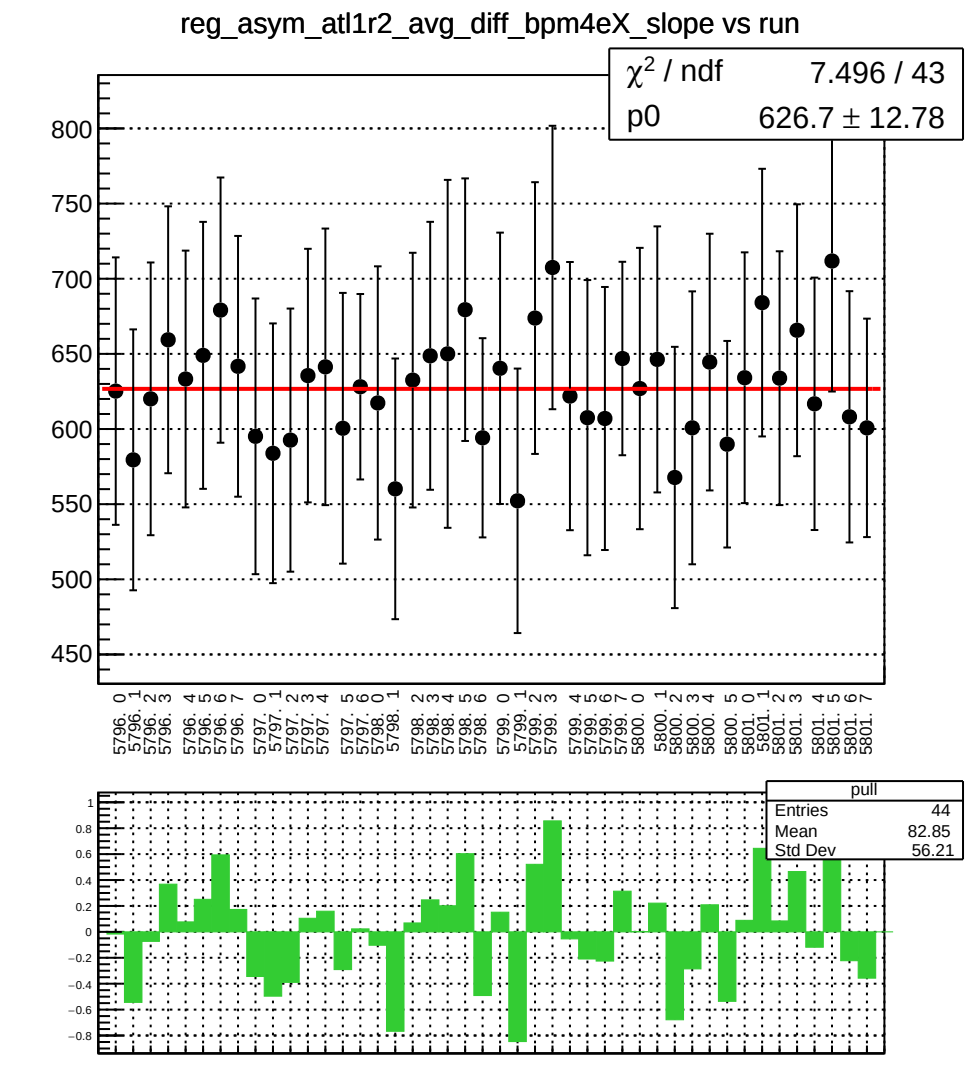

pull1D
Entries 44
Mean 0.004165
Std Dev 0.5156
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

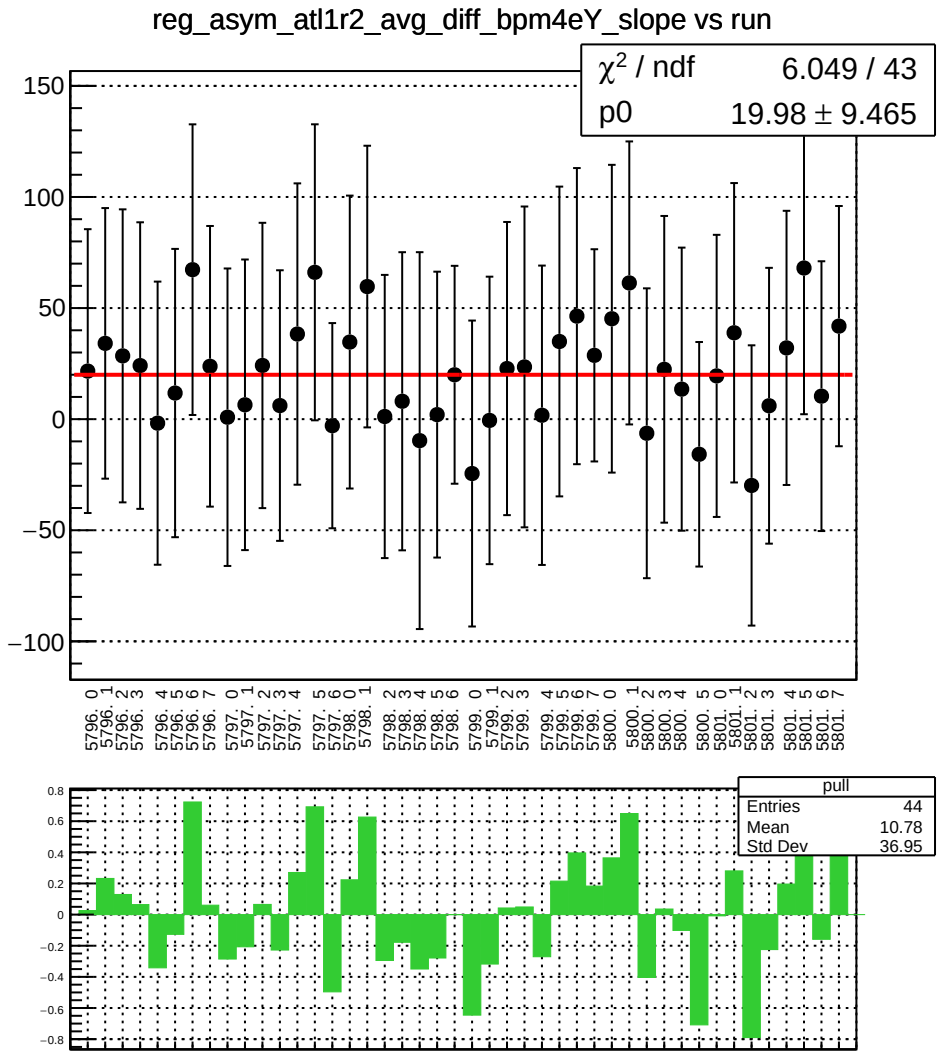

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 25.53 / 43
p0 −37.97 ± 0.242
−32
−34
−36
−38
−40
−42
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 34.62
Std Dev 37.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

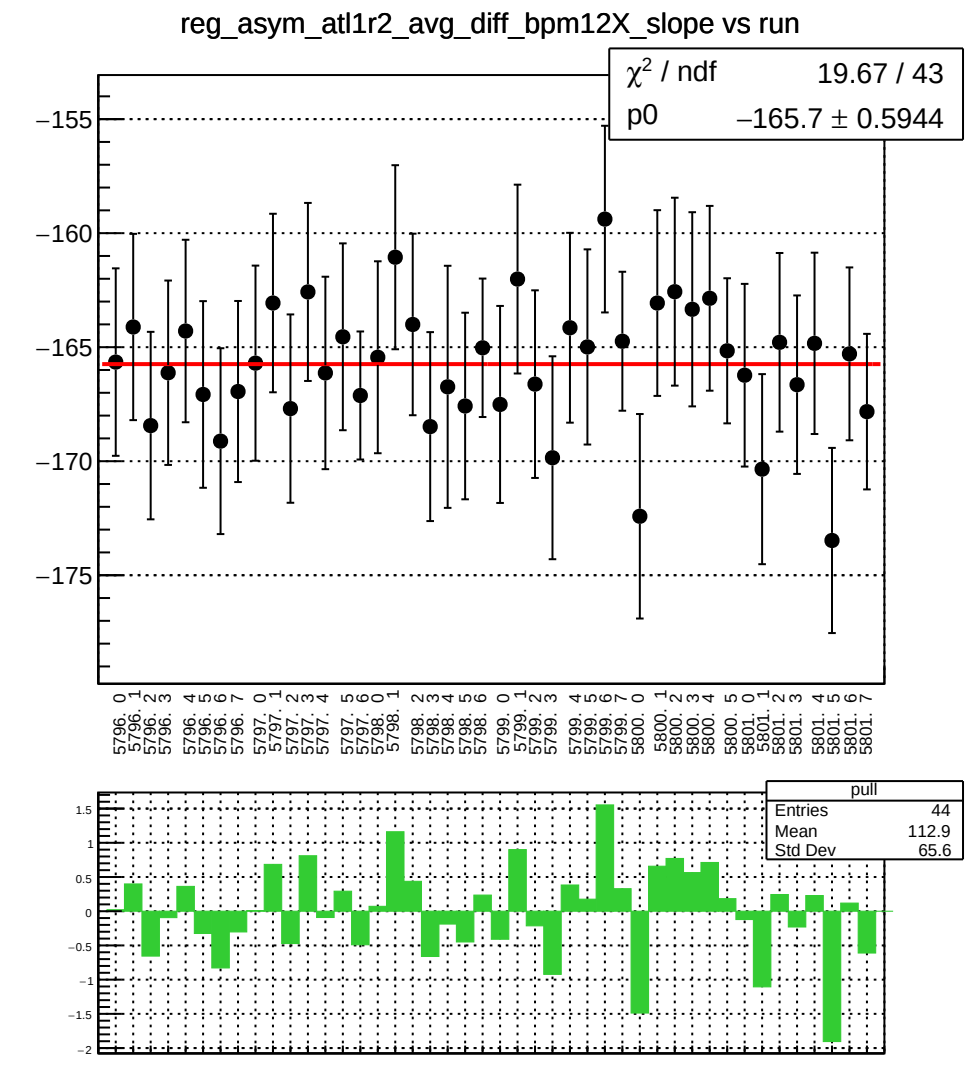

pull1D
Entries 44
Mean 0.008152
Std Dev 0.7617
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

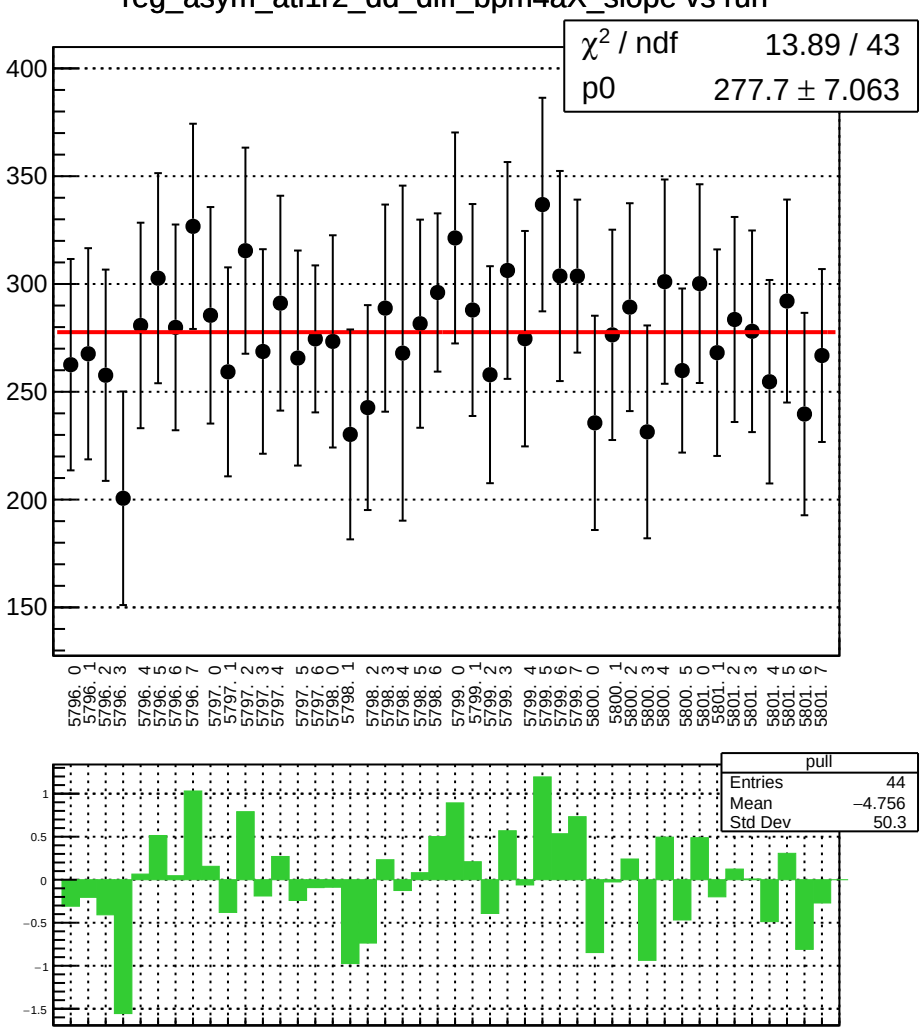

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.963 / 43
p0 −398.3 ± 10.08
−250
−300
−350
−400
−450
−500
−550
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 86.42
Std Dev 57.93
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 44
Mean −0.007451
Std Dev 0.4254
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

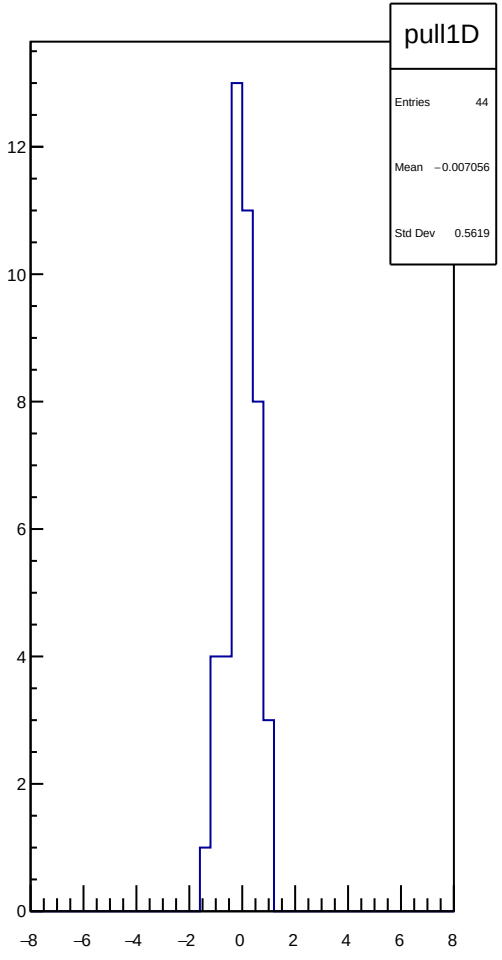

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.841 / 43
p0 37.98 ± 8.675
150
100
50
0
−50
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 24.19
Std Dev 34.43
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean −0.00648
Std Dev 0.3643
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

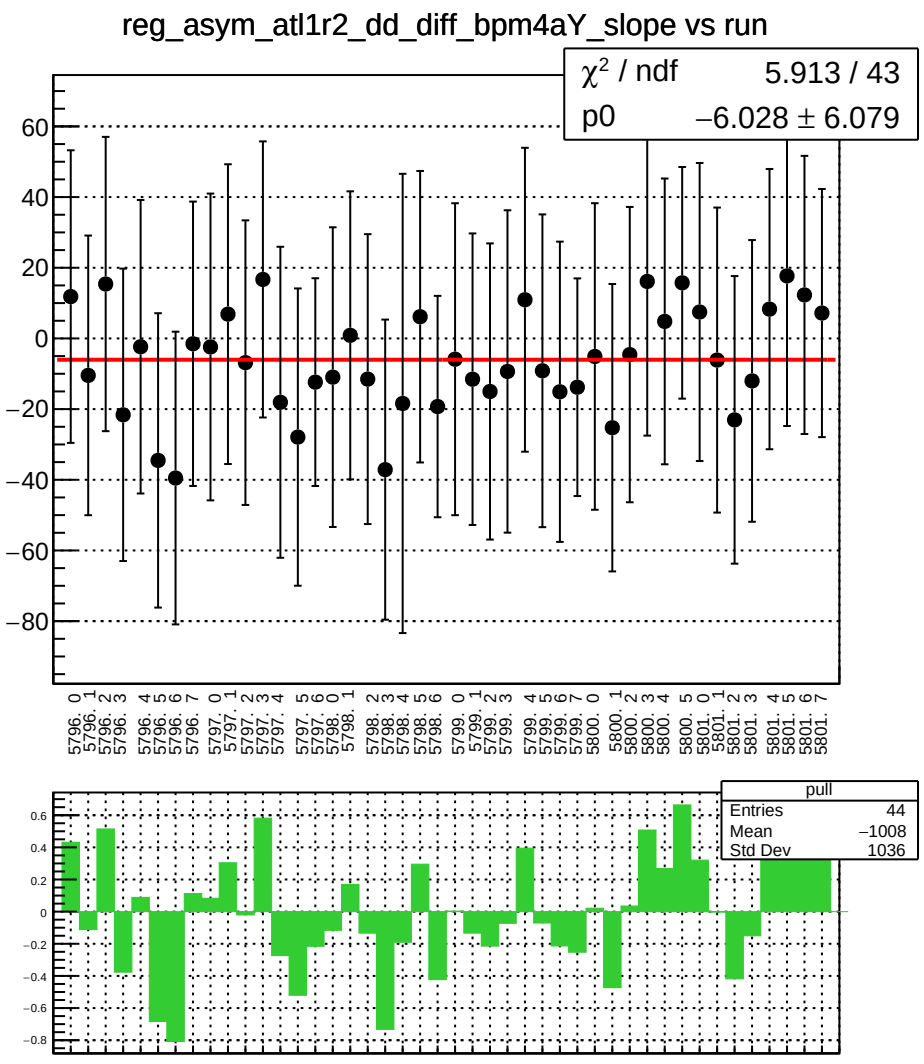

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.496 / 43
p0 626.7 ± 12.78
800
750
700
650
600
550
500
450
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 82.85
Std Dev 56.21
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean 0.008104
Std Dev 0.4127
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

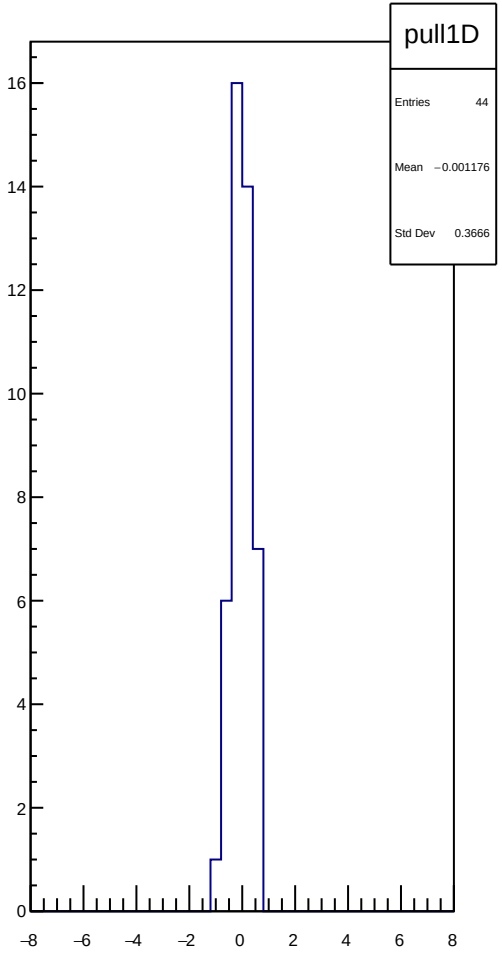

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.049 / 43
p0 19.98 ± 9.465
150
100
50
0
−50
−100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 10.78
Std Dev 36.95
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean 0.005587
Std Dev 0.3707
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

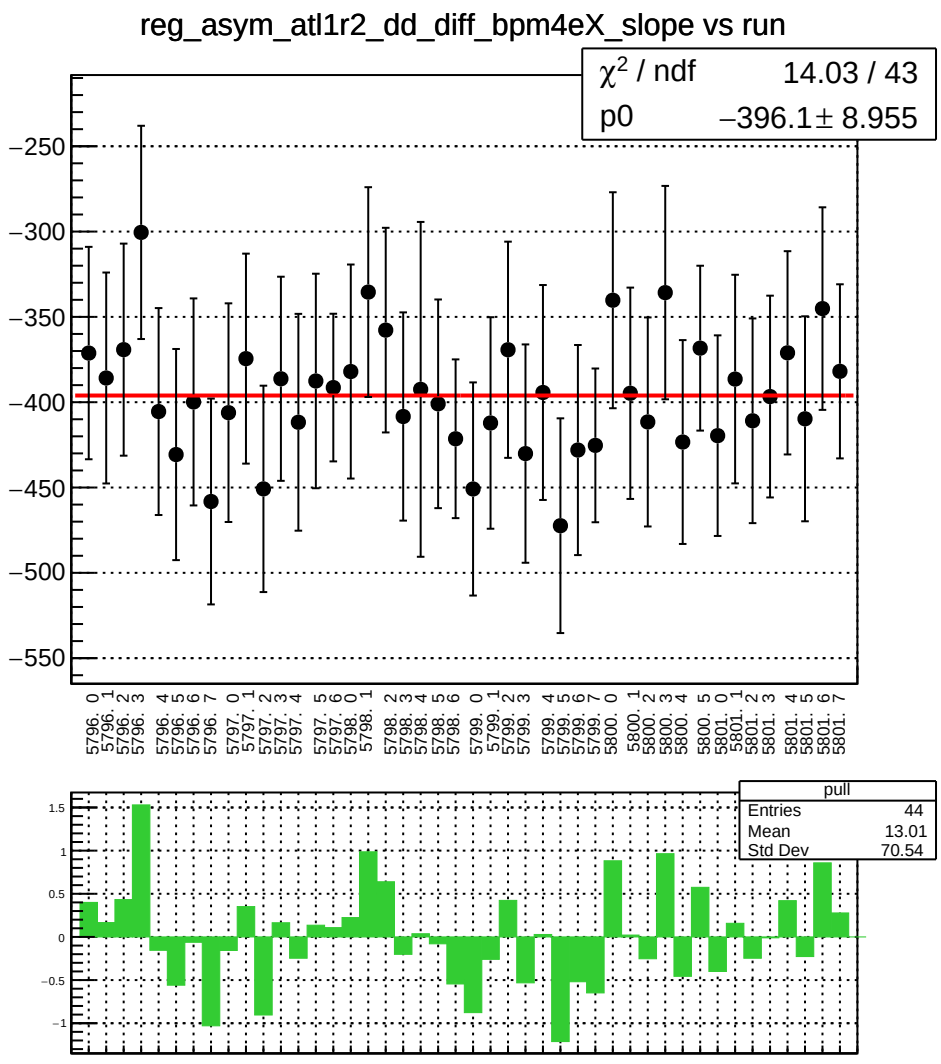

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 19.67 / 43
p0 −165.7 ± 0.5944
−155
−160
−165
−170
−175
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 112.9
Std Dev 65.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 44
Mean −0.005839
Std Dev 0.6685
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

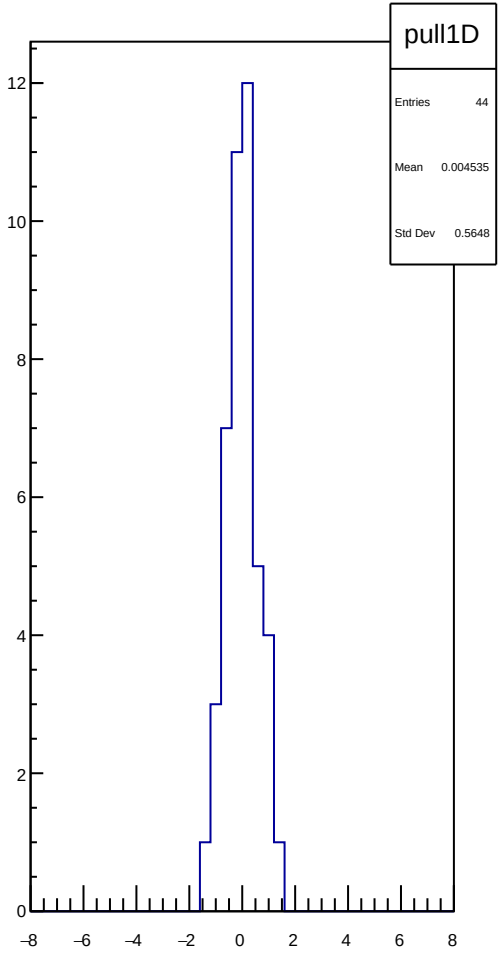

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.89 / 43
p0 277.7 ± 7.063
pull
Entries 44
Mean −4.756
Std Dev 50.3

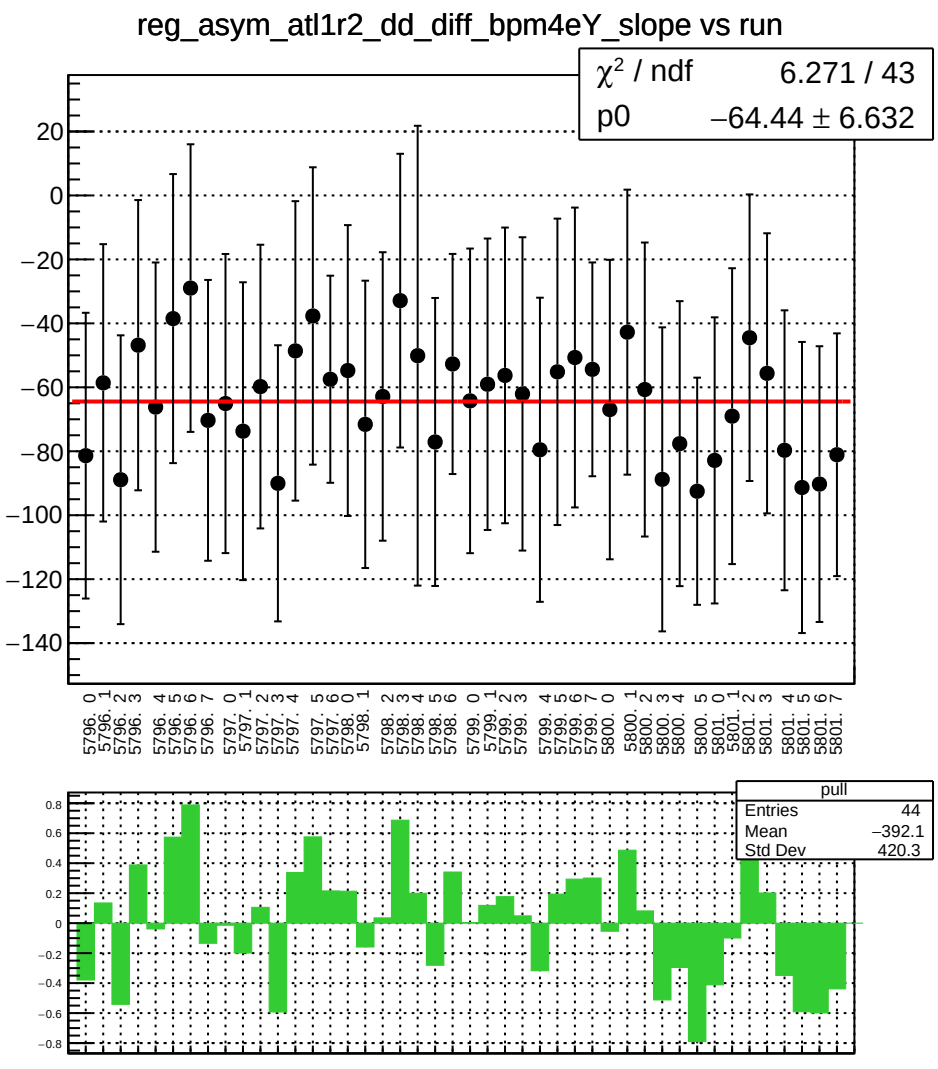

pull1D
Entries 44
Mean −0.007056
Std Dev 0.5619

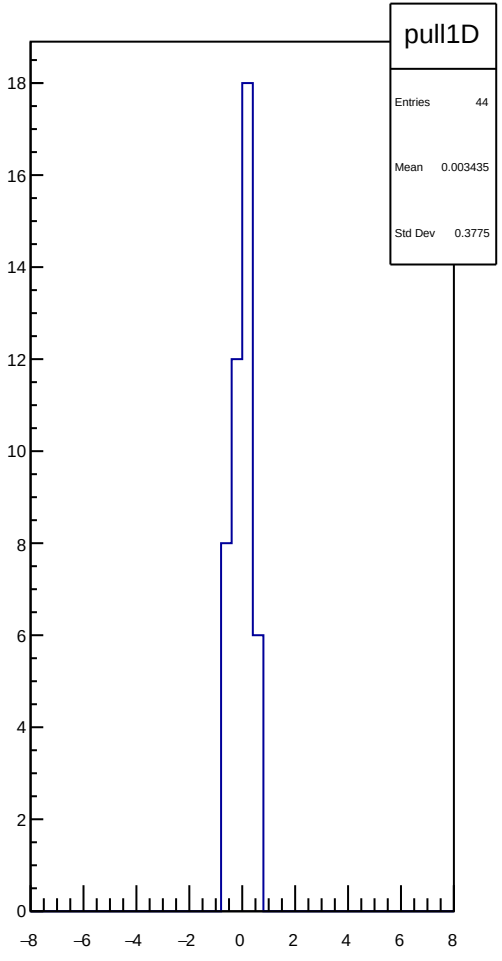

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.913 / 43
p0 −6.028 ± 6.079
pull
Entries 44
Mean −1008
Std Dev 1036

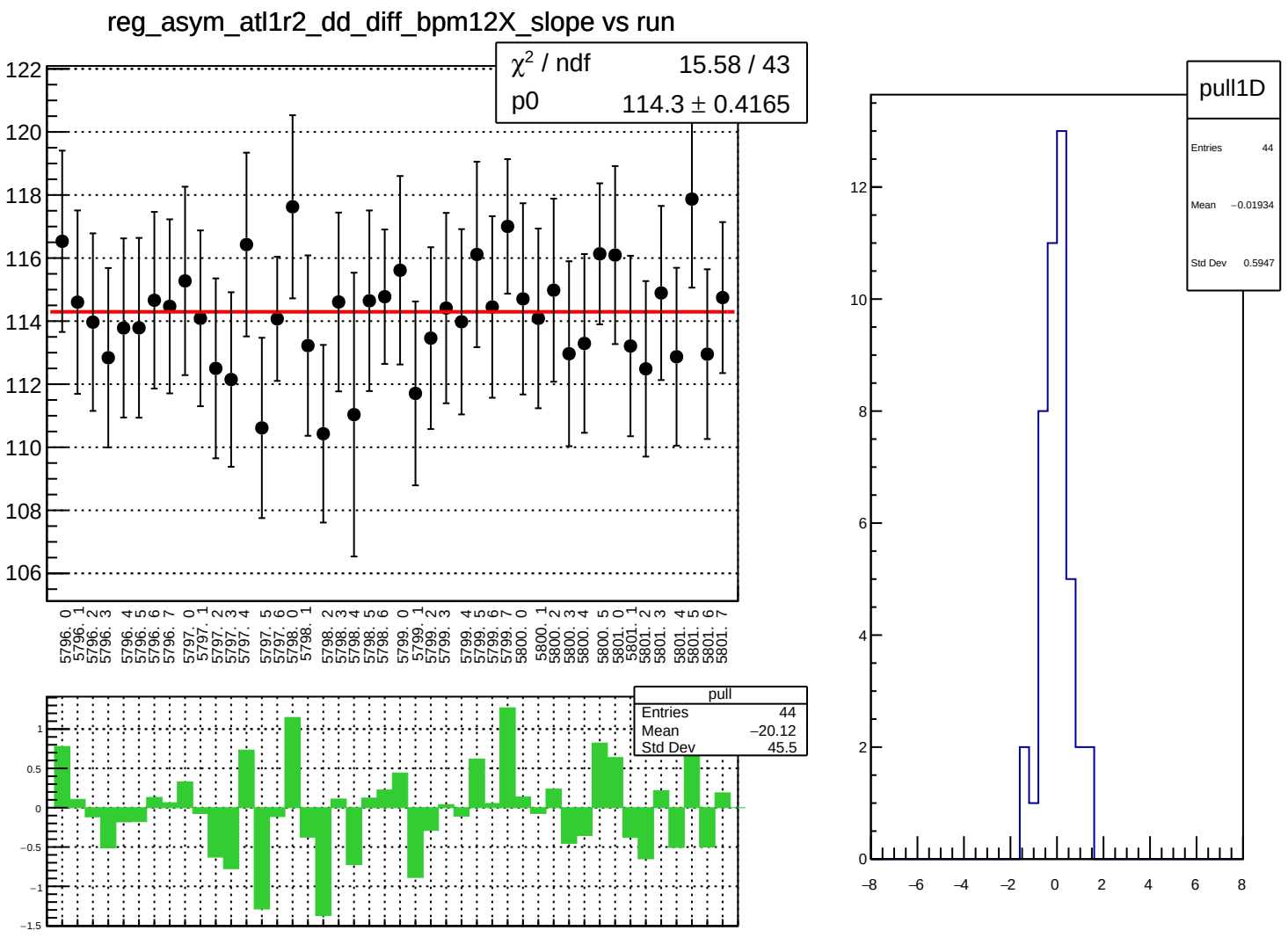

pull1D
Entries 44
Mean −0.001176
Std Dev 0.3666

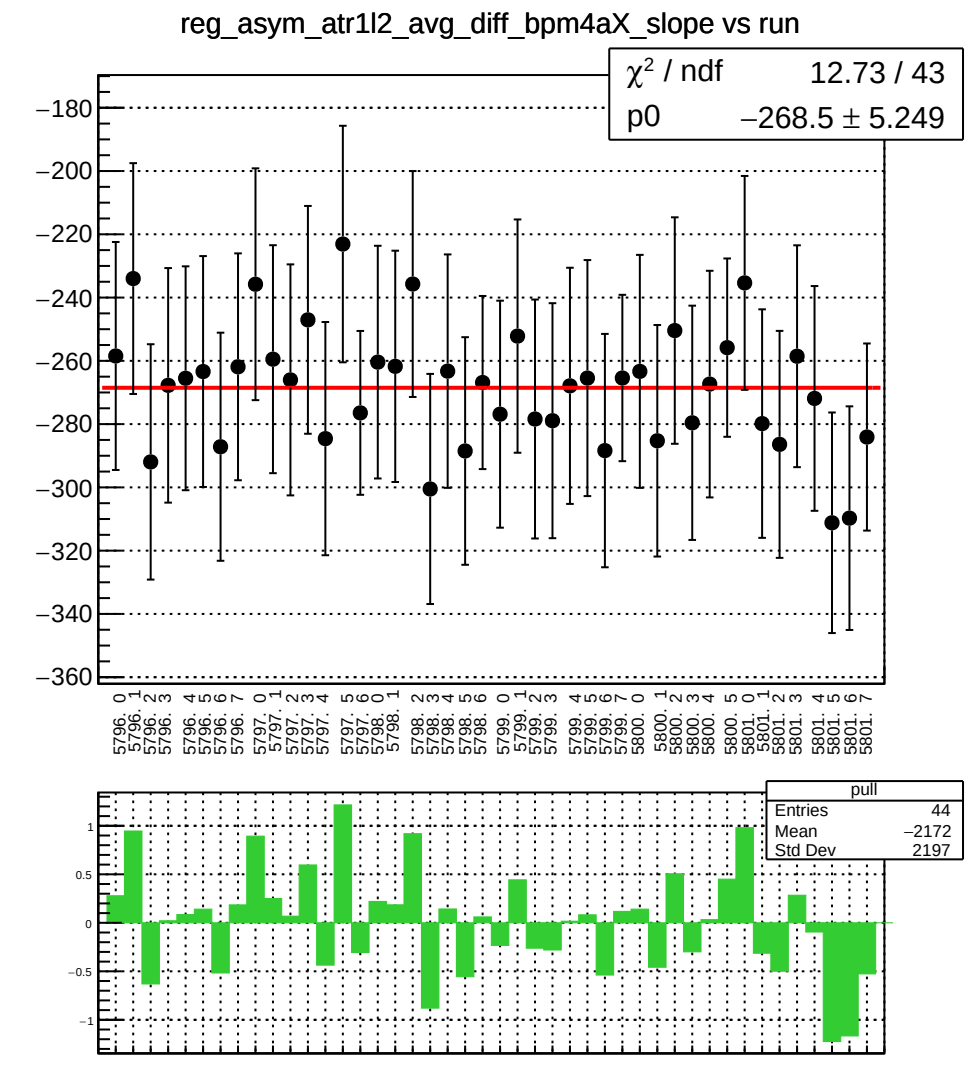

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.03 / 43
p0 −396.1 ± 8.955
pull
Entries 44
Mean 13.01
Std Dev 70.54

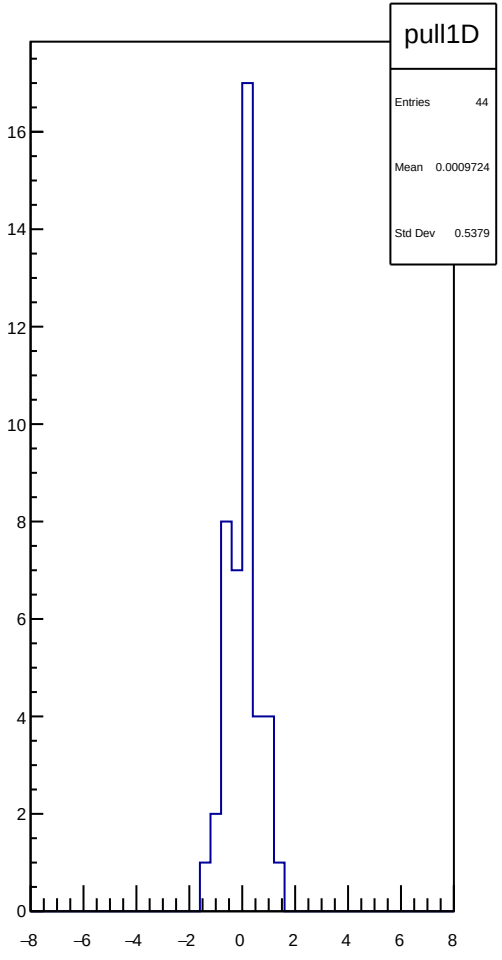

pull1D
Entries 44
Mean 0.004535
Std Dev 0.5648

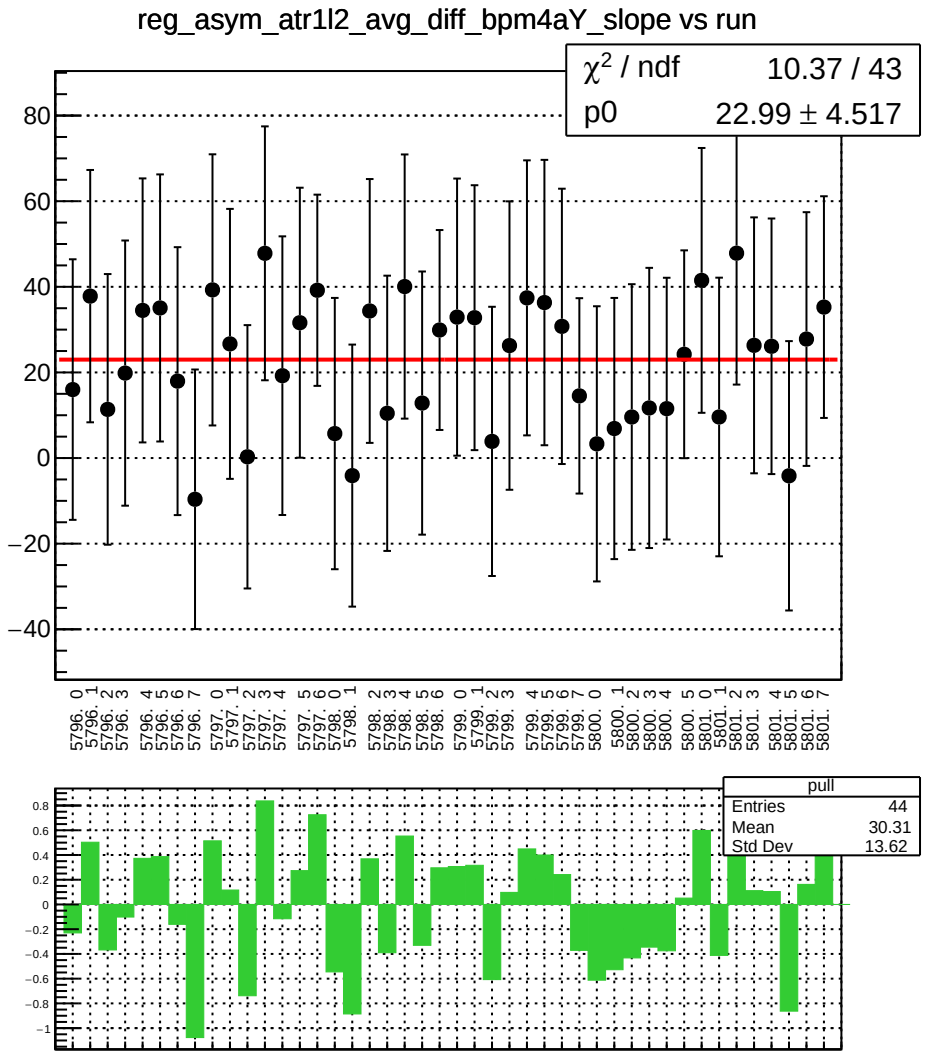

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.271 / 43
p0 −64.44 ± 6.632
pull
Entries 44
Mean −392.1
Std Dev 420.3

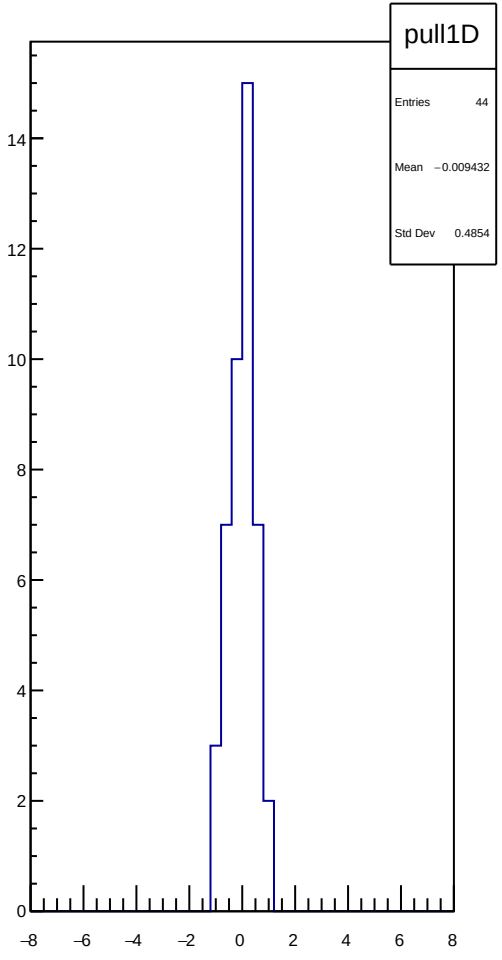

pull1D
Entries 44
Mean 0.003435
Std Dev 0.3775

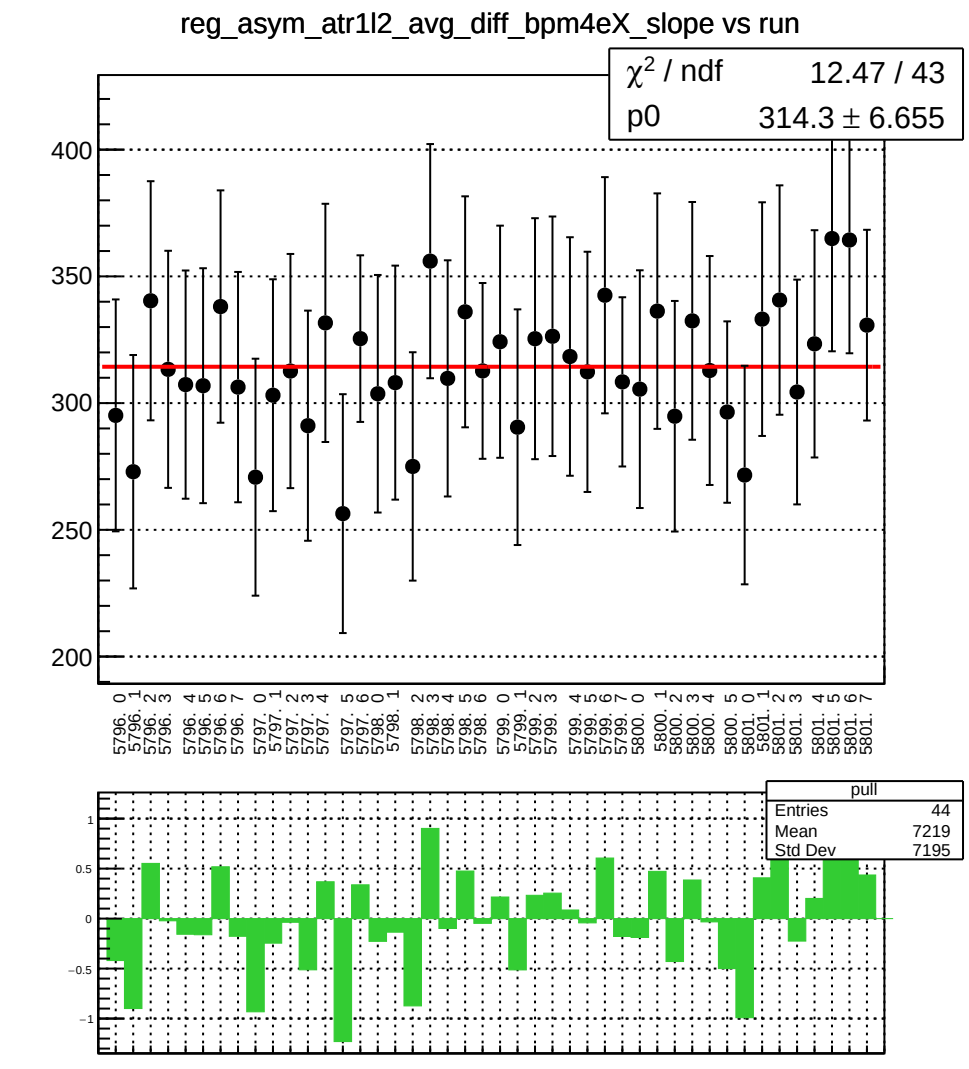

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 15.58 / 43
p0 114.3 ± 0.4165
pull
Entries 44
Mean −20.12
Std Dev 45.5
pull1D
Entries 44
Mean −0.01934
Std Dev 0.5947

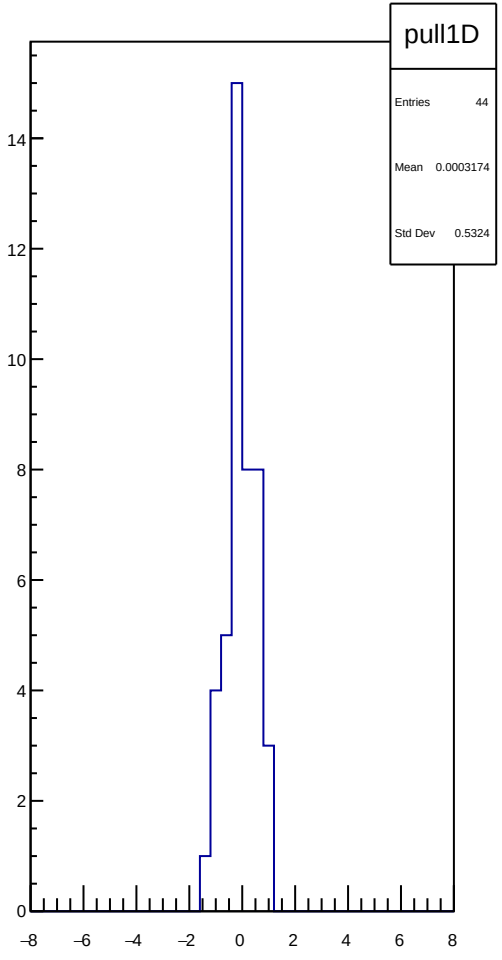

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.73 / 43
p0 −268.5 ± 5.249
pull
Entries 44
Mean −2172
Std Dev 2197

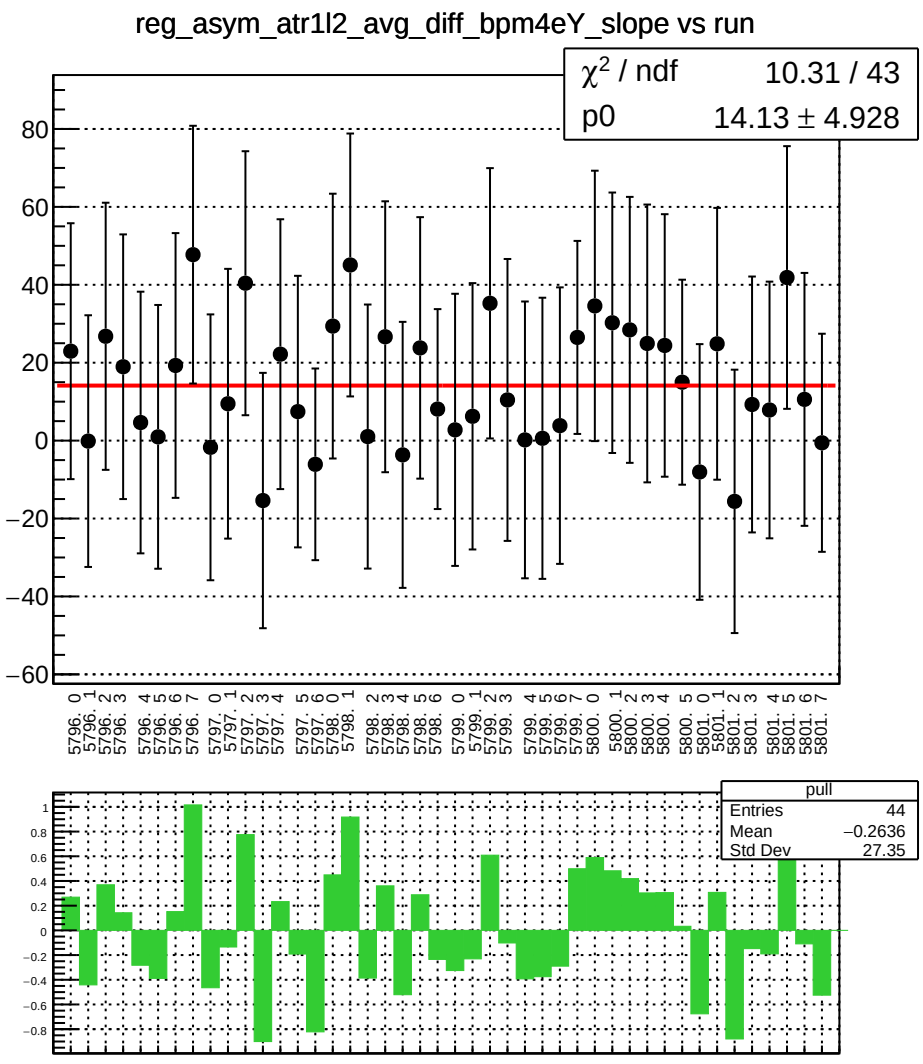

pull1D
Entries 44
Mean 0.0009724
Std Dev 0.5379

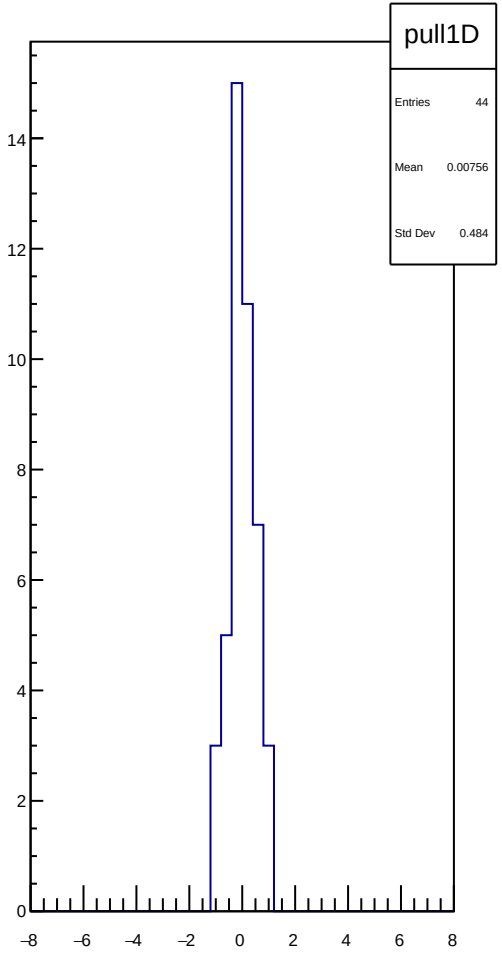

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.37 / 43
p0 22.99 ± 4.517
pull
Entries 44
Mean 30.31
Std Dev 13.62

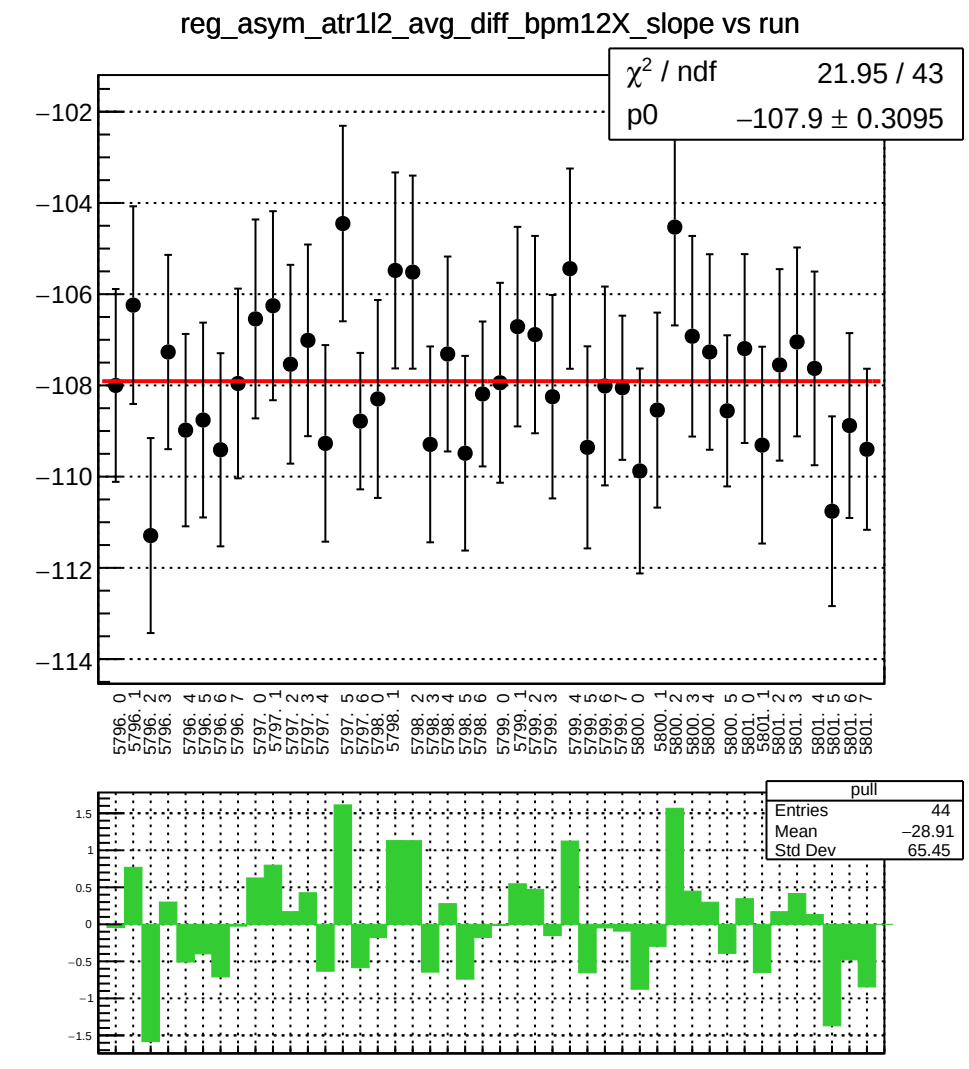

pull1D
Entries 44
Mean −0.009432
Std Dev 0.4854

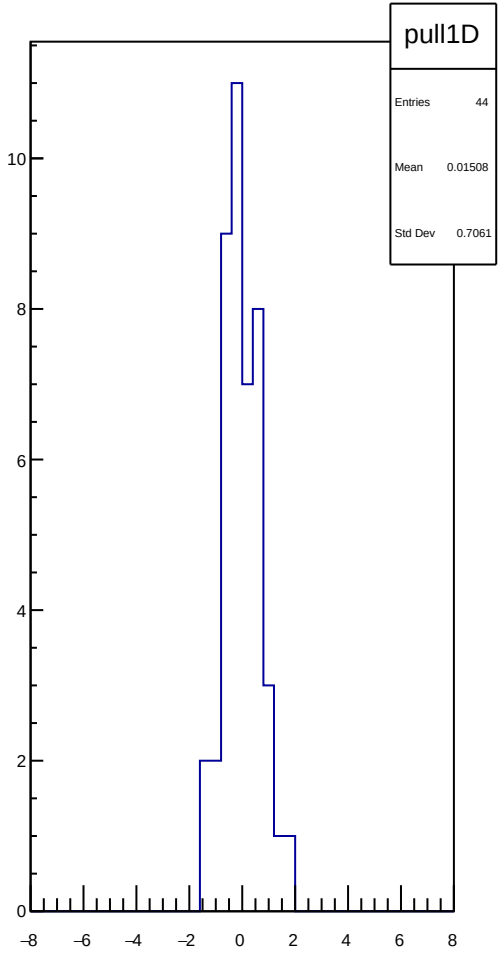

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.47 / 43
p0 314.3 ± 6.655
400
350
300
250
200
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 7219
Std Dev 7195
1
0.5
0
−0.5
−1

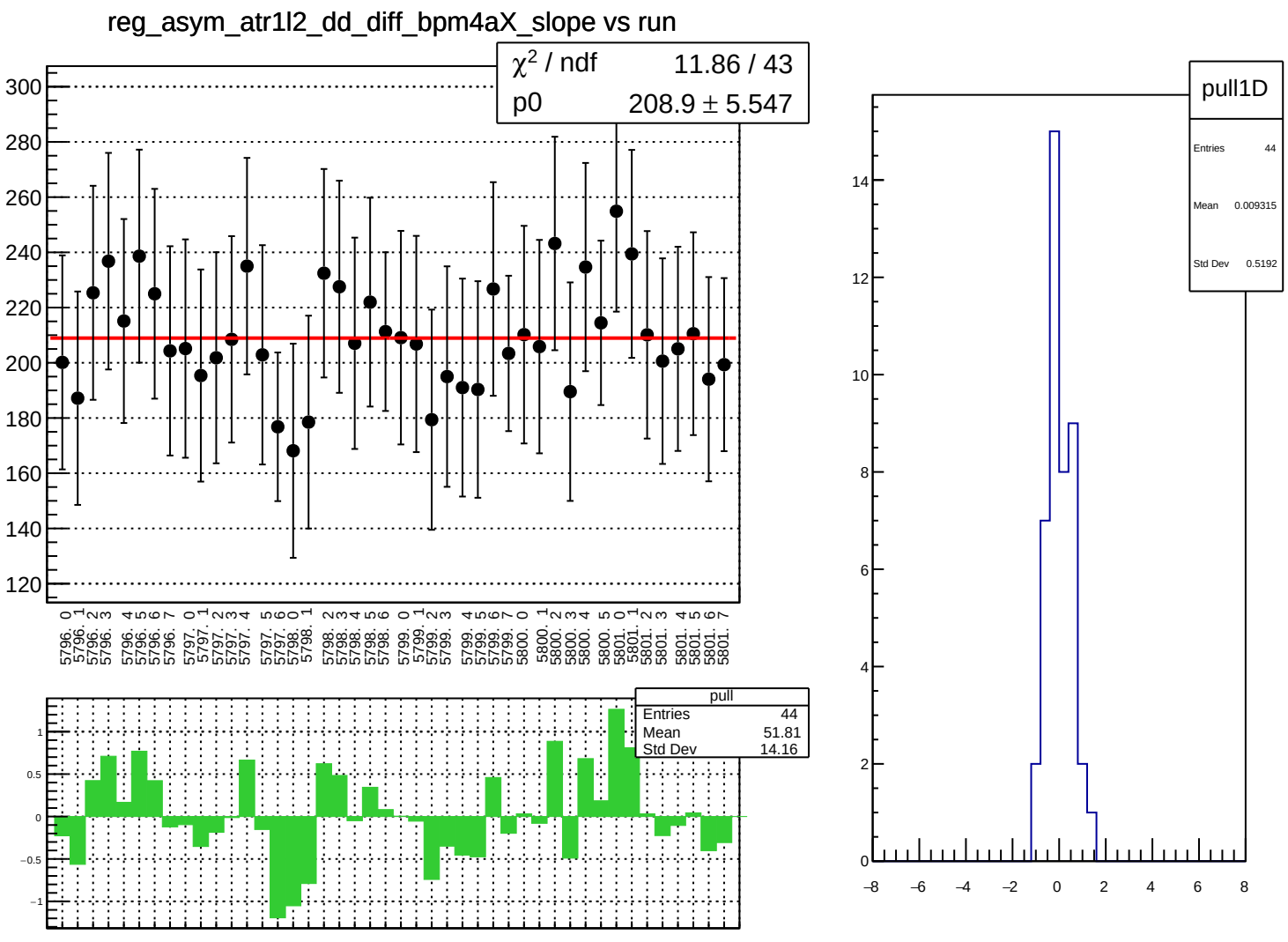

pull1D
Entries 44
Mean 0.0003174
Std Dev 0.5324
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

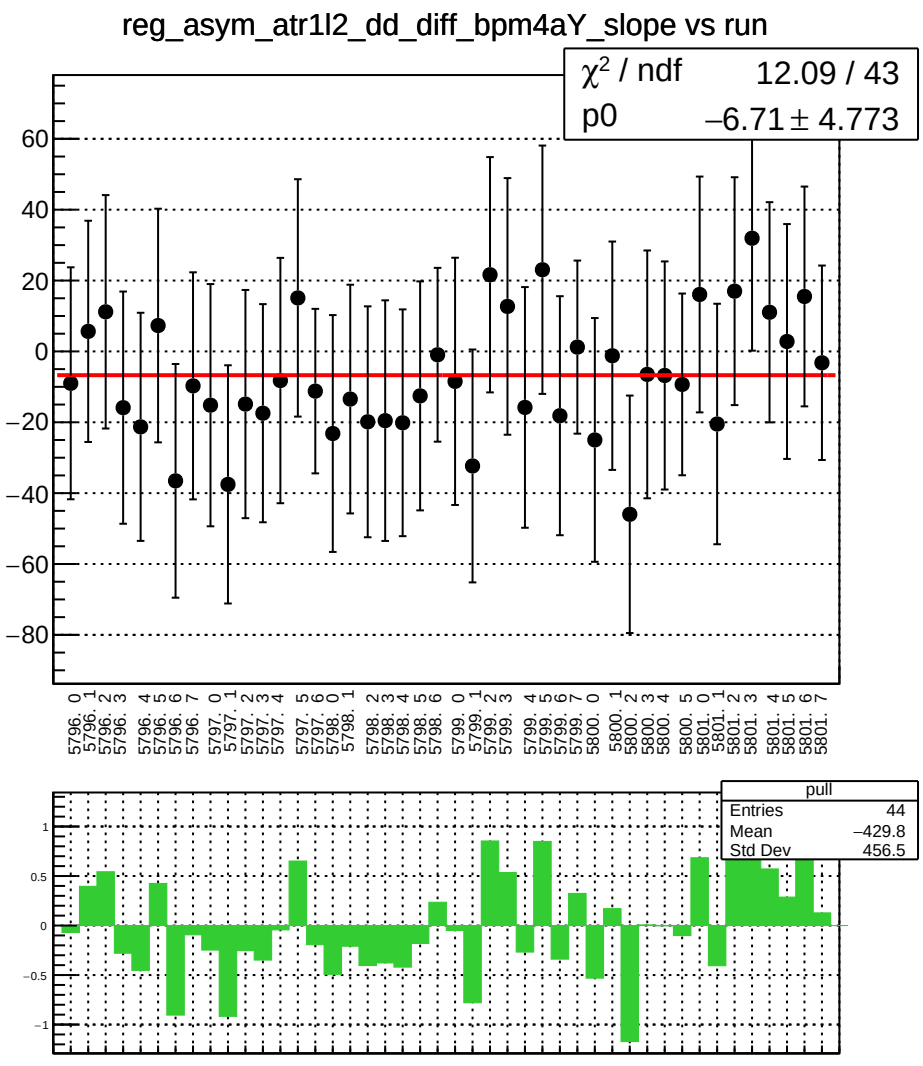

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.31 / 43
p0 14.13 ± 4.928
pull
Entries 44
Mean −0.2636
Std Dev 27.35

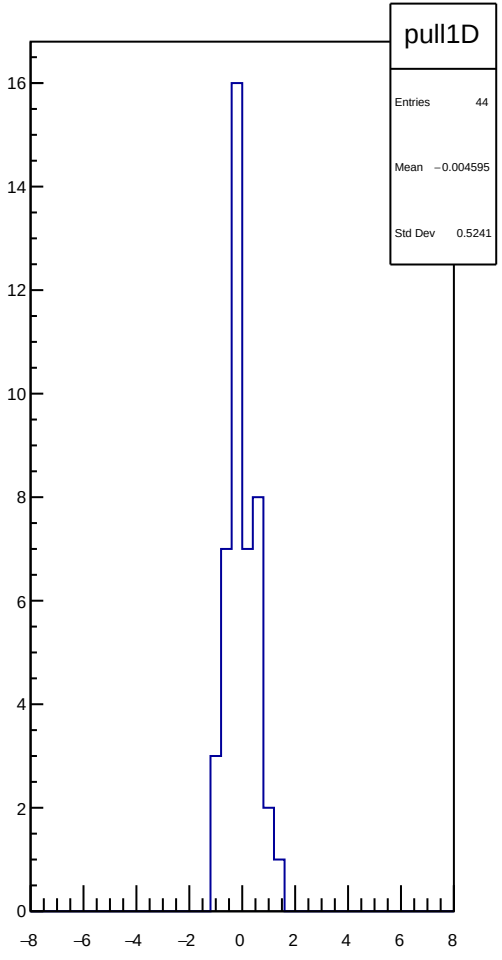

pull1D
Entries 44
Mean 0.00756
Std Dev 0.484

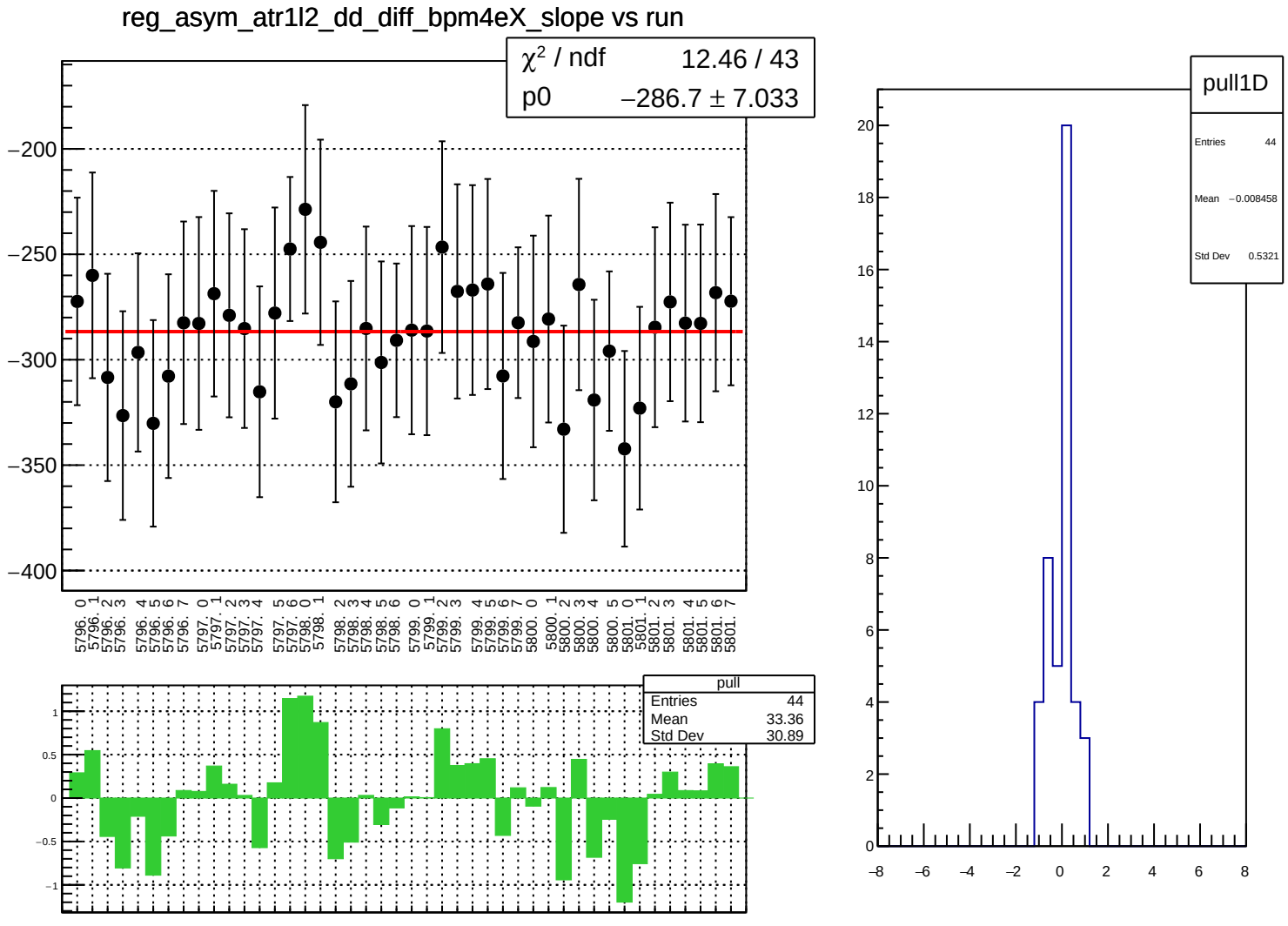

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 21.95 / 43
p0 −107.9 ± 0.3095
pull
Entries 44
Mean −28.91
Std Dev 65.45

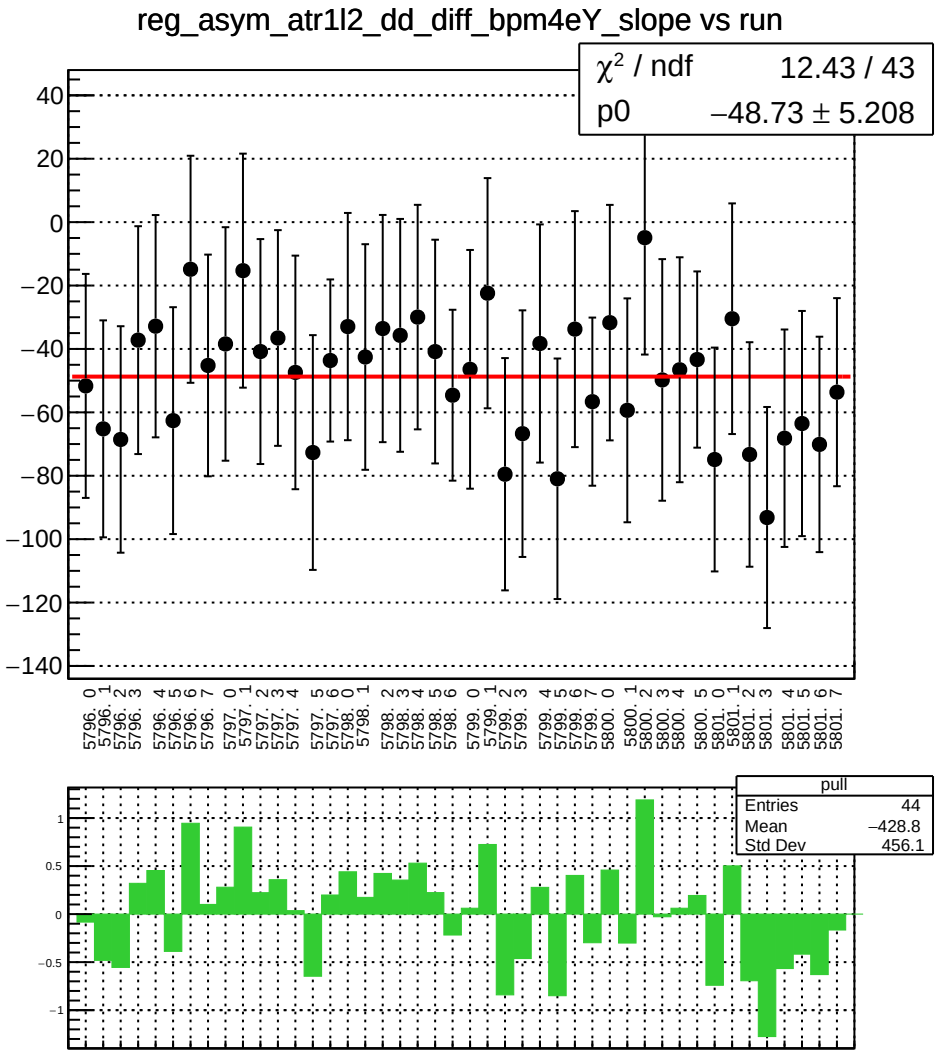

pull1D
Entries 44
Mean 0.01508
Std Dev 0.7061

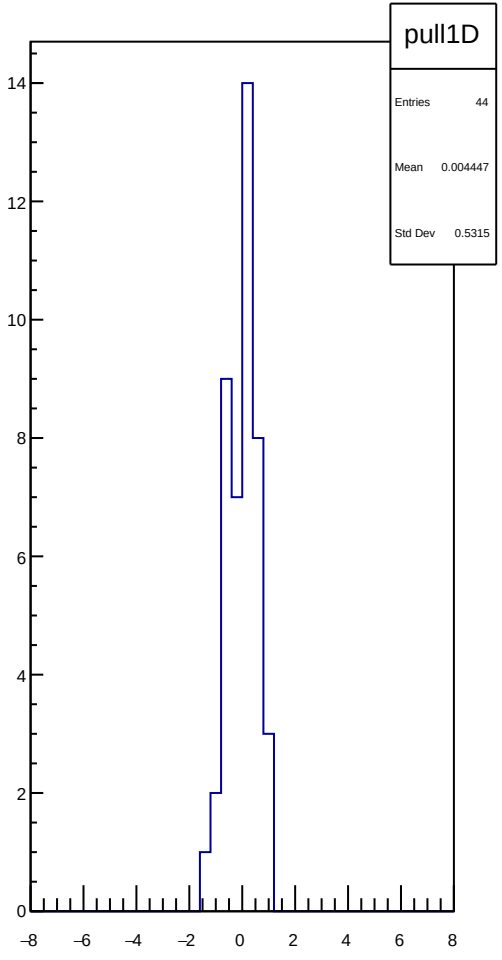

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.86 / 43
p0 208.9 ± 5.547
pull
Entries 44
Mean 51.81
Std Dev 14.16
pull1D
Entries 44
Mean 0.009315
Std Dev 0.5192

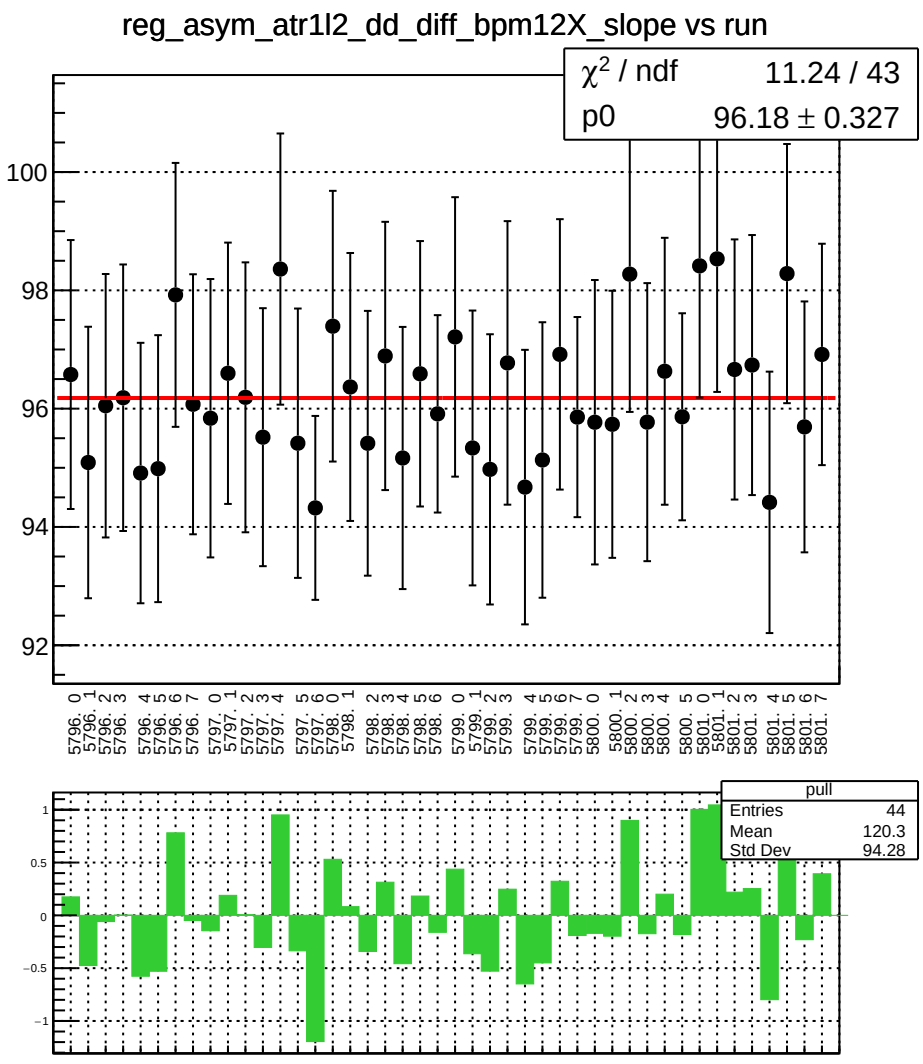

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.09 / 43
p0 −6.71 ± 4.773
pull
Entries 44
Mean −429.8
Std Dev 456.5

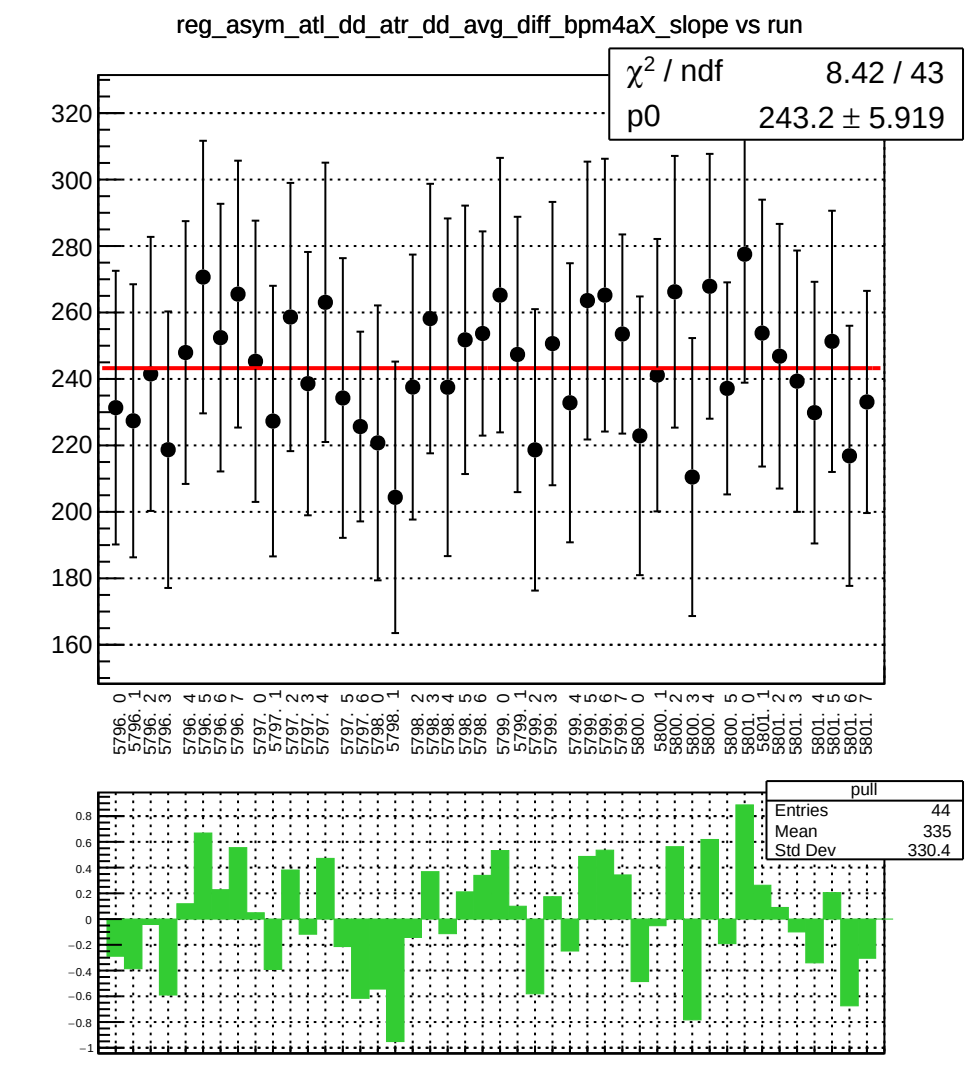

pull1D
Entries 44
Mean −0.004595
Std Dev 0.5241

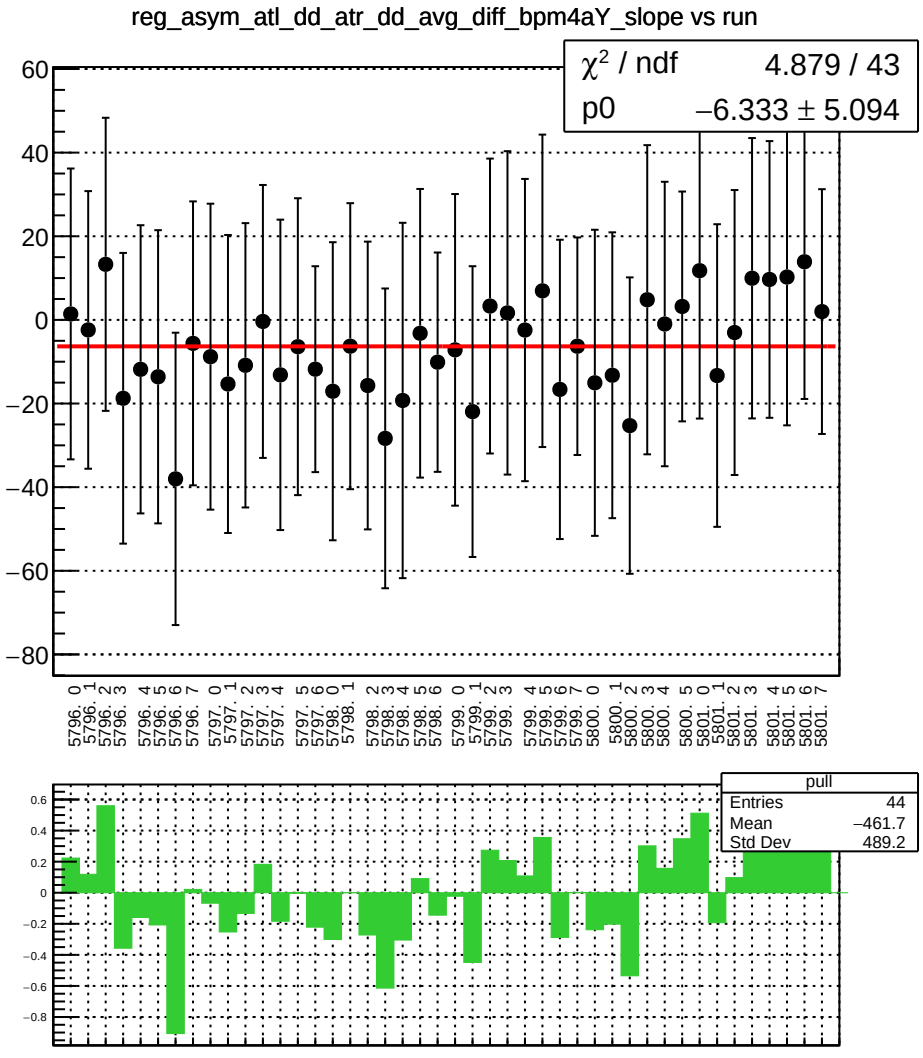

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.46 / 43
p0 −286.7 ± 7.033
−200
−250
−300
−350
−400
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 33.36
Std Dev 30.89
1
0.5
0
−0.5
−1
pull1D
Entries 44
Mean −0.008458
Std Dev 0.5321
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

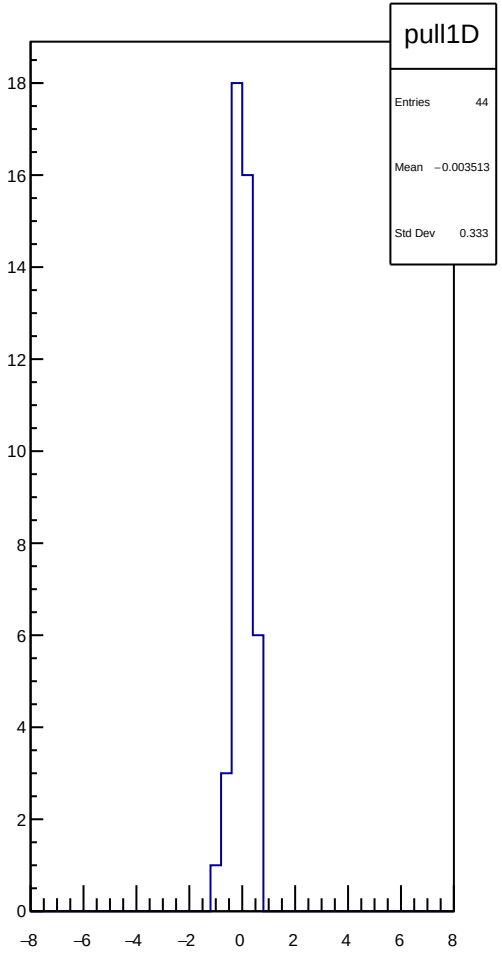

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.43 / 43
p0 −48.73 ± 5.208
pull
Entries 44
Mean −428.8
Std Dev 456.1

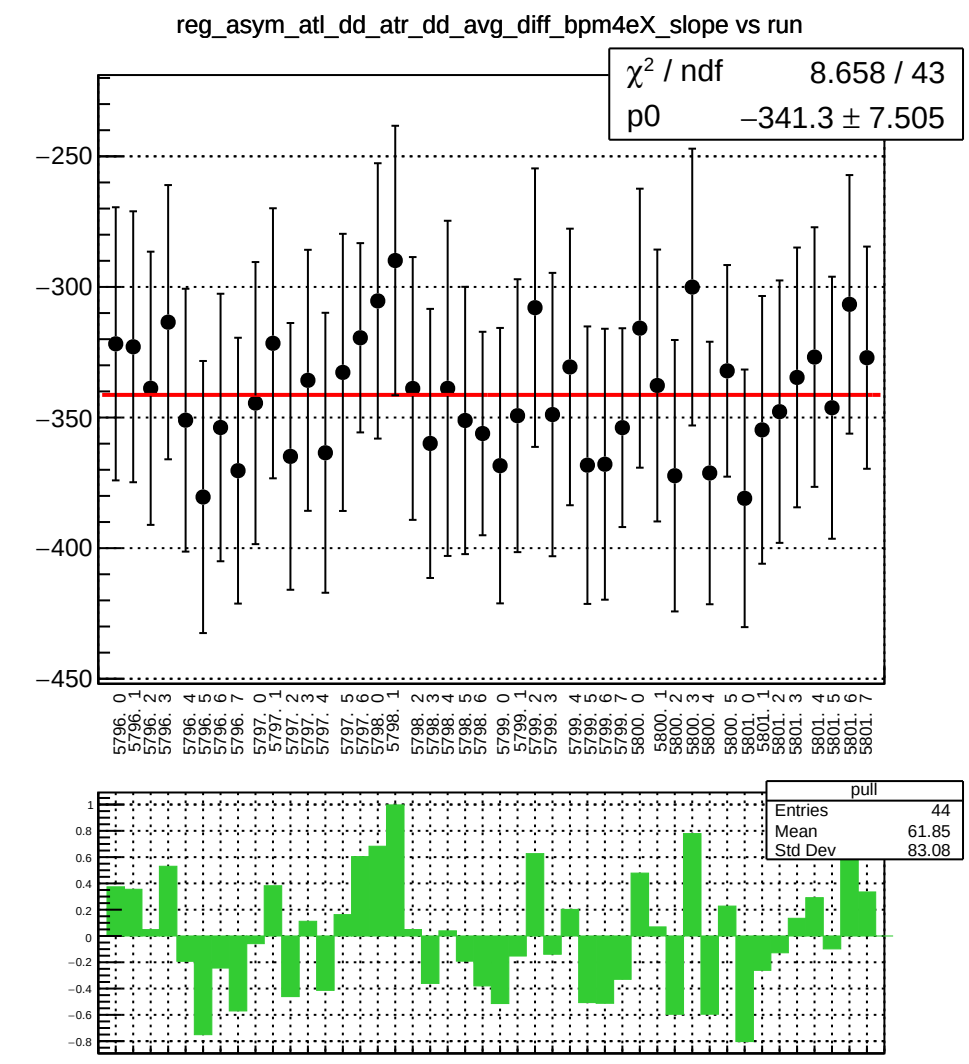

pull1D
Entries 44
Mean 0.004447
Std Dev 0.5315

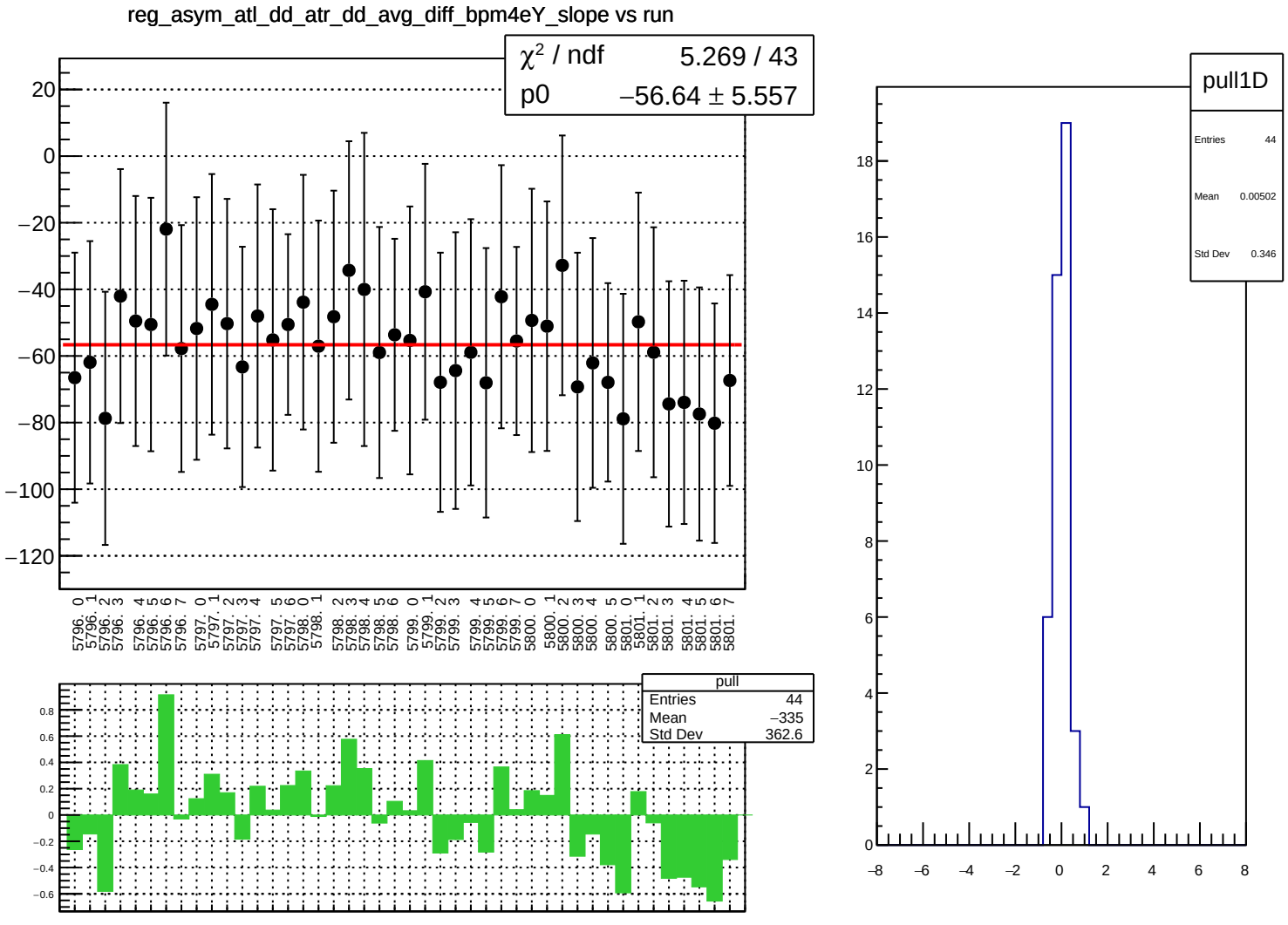

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 11.24 / 43
p0 96.18 ± 0.327
100
98
96
94
92
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 120.3
Std Dev 94.28
1
0.5
0
−0.5
−1
pull1D
Entries 44
Mean 0.01448
Std Dev 0.5051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

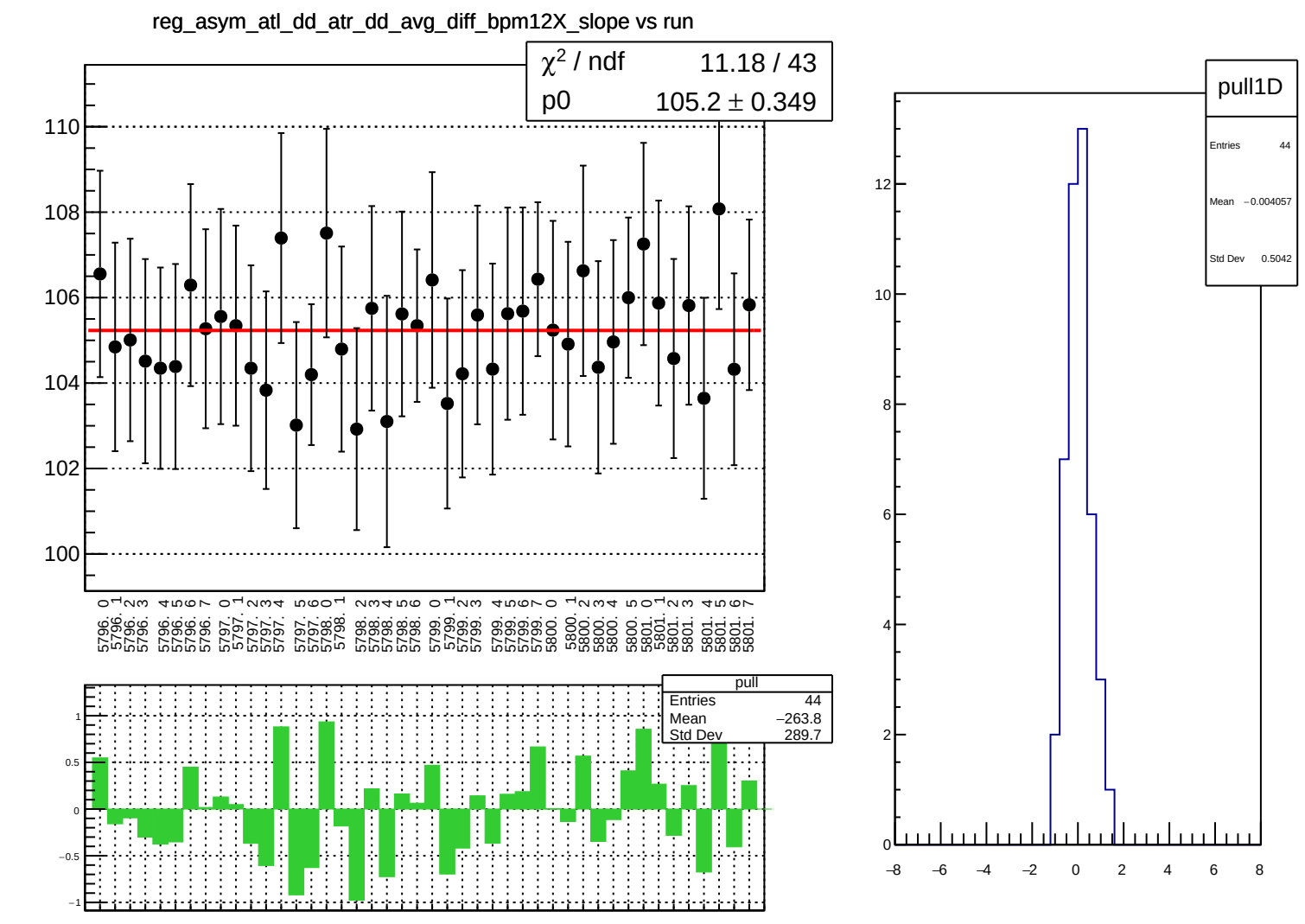

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.42 / 43
p0 243.2 ± 5.919
320
300
280
260
240
220
200
180
160
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 335
Std Dev 330.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 44
Mean 0.0007797
Std Dev 0.4375
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

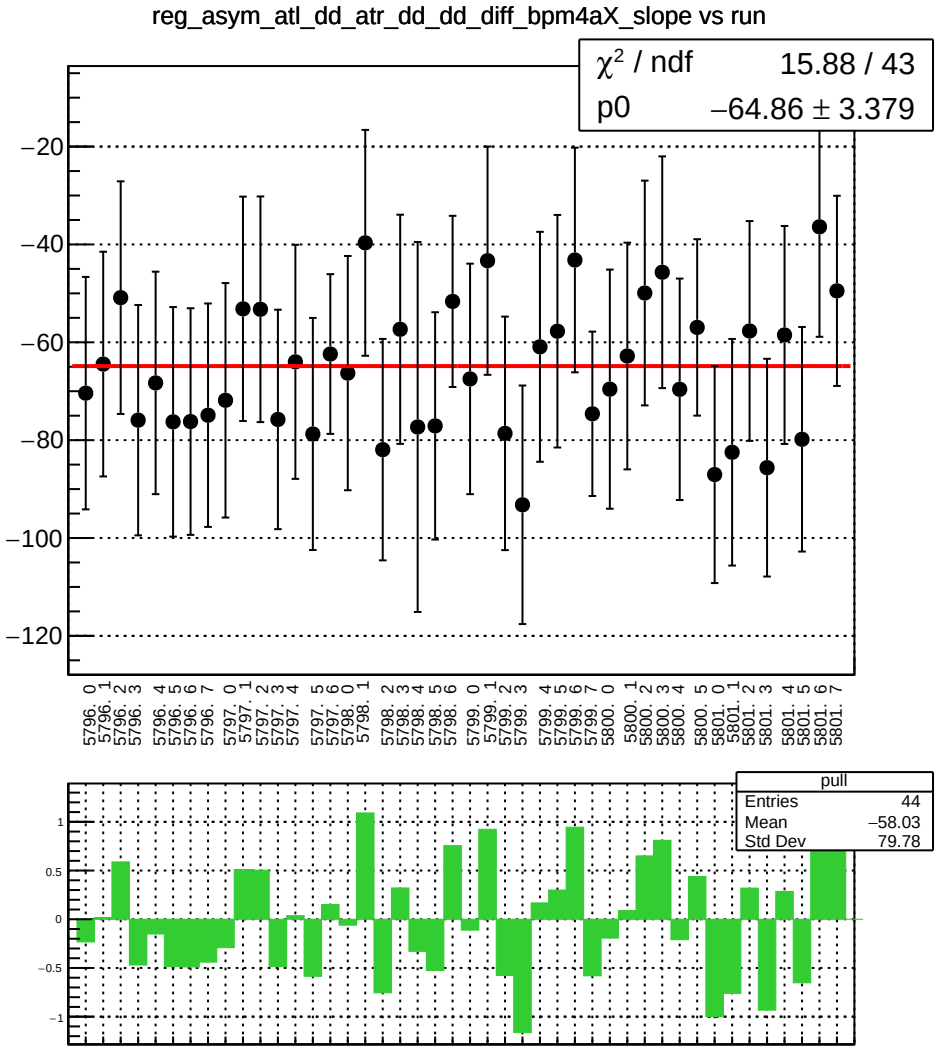

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.879 / 43
p0 −6.333 ± 5.094
pull
Entries 44
Mean −461.7
Std Dev 489.2

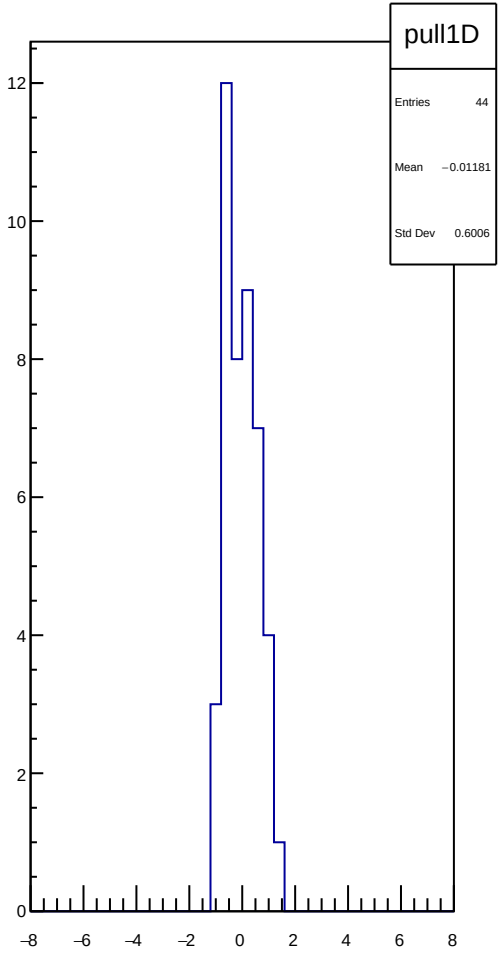

pull1D
Entries 44
Mean −0.003513
Std Dev 0.333

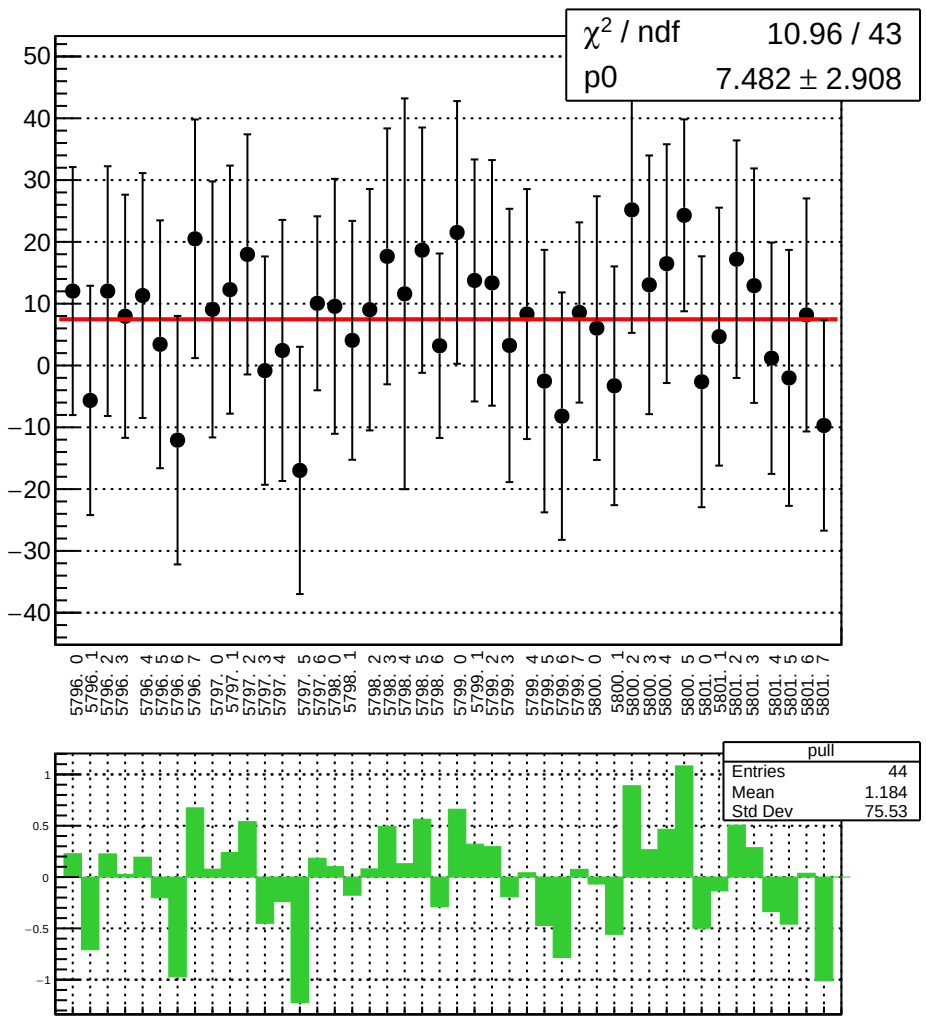

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.658 / 43
p0 −341.3 ± 7.505
−250
−300
−350
−400
−450
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 61.85
Std Dev 83.08
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean −0.001744
Std Dev 0.4436
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

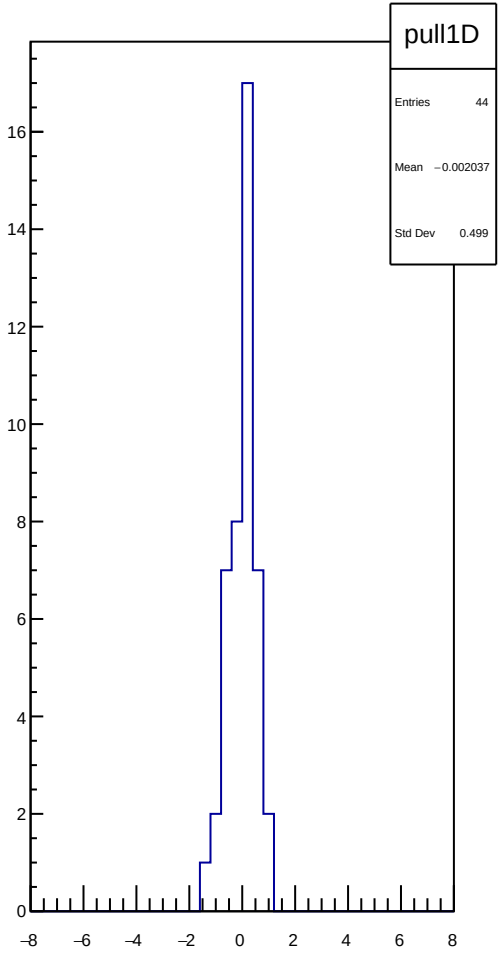

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.269 / 43
p0 −56.64 ± 5.557
pull
Entries 44
Mean −335
Std Dev 362.6
pull1D
Entries 44
Mean 0.00502
Std Dev 0.346

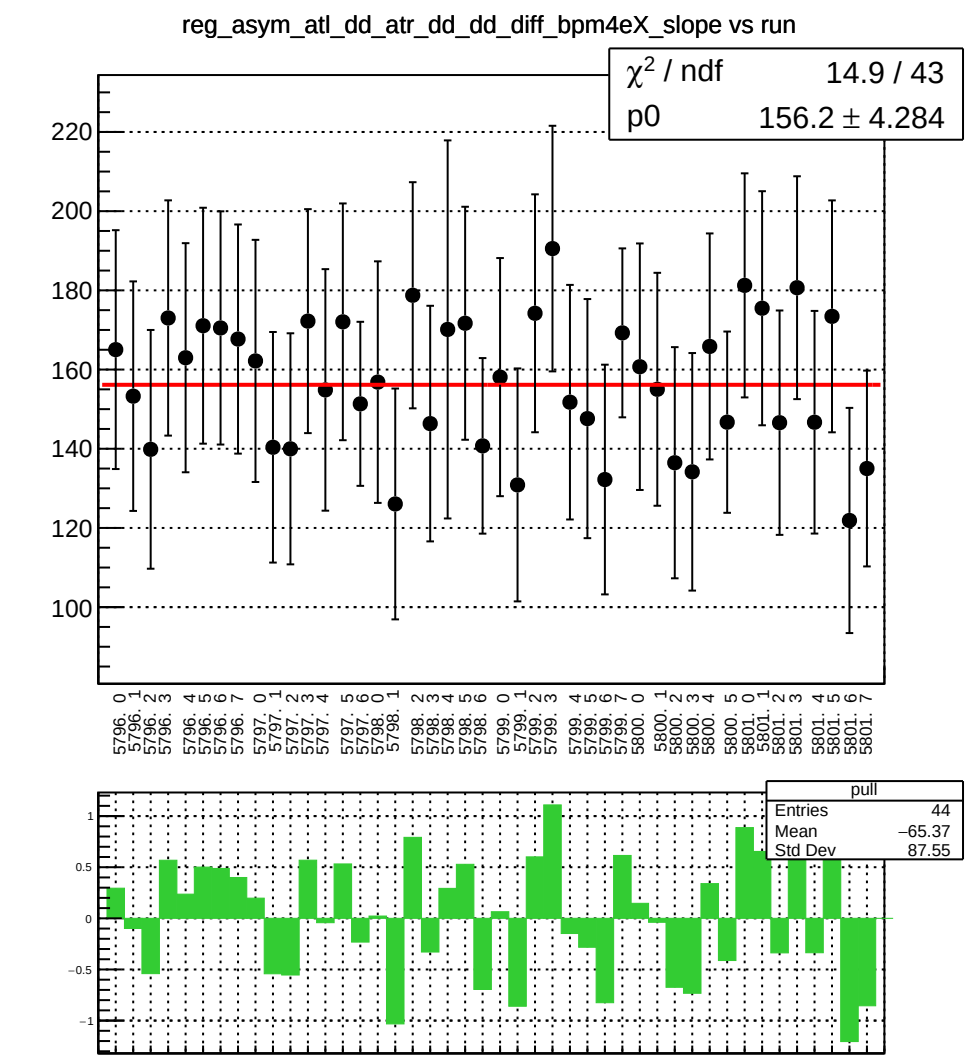

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 11.18 / 43
p0 105.2 ± 0.349
110
108
106
104
102
100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −263.8
Std Dev 289.7
1
0.5
0
−0.5
−1
pull1D
Entries 44
Mean −0.004057
Std Dev 0.5042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

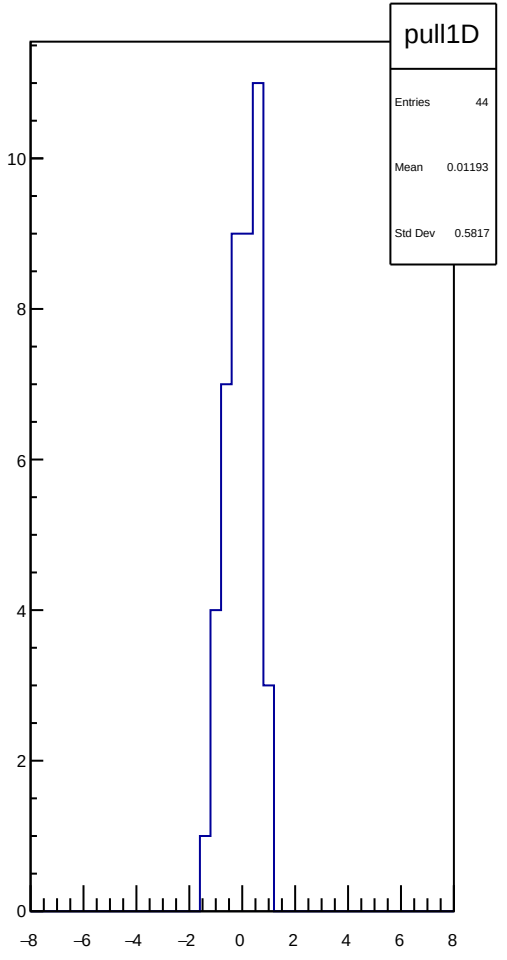

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 15.88 / 43
p0 −64.86 ± 3.379
−20
−40
−60
−80
−100
−120
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −58.03
Std Dev 79.78
1
0.5
0
−0.5
−1

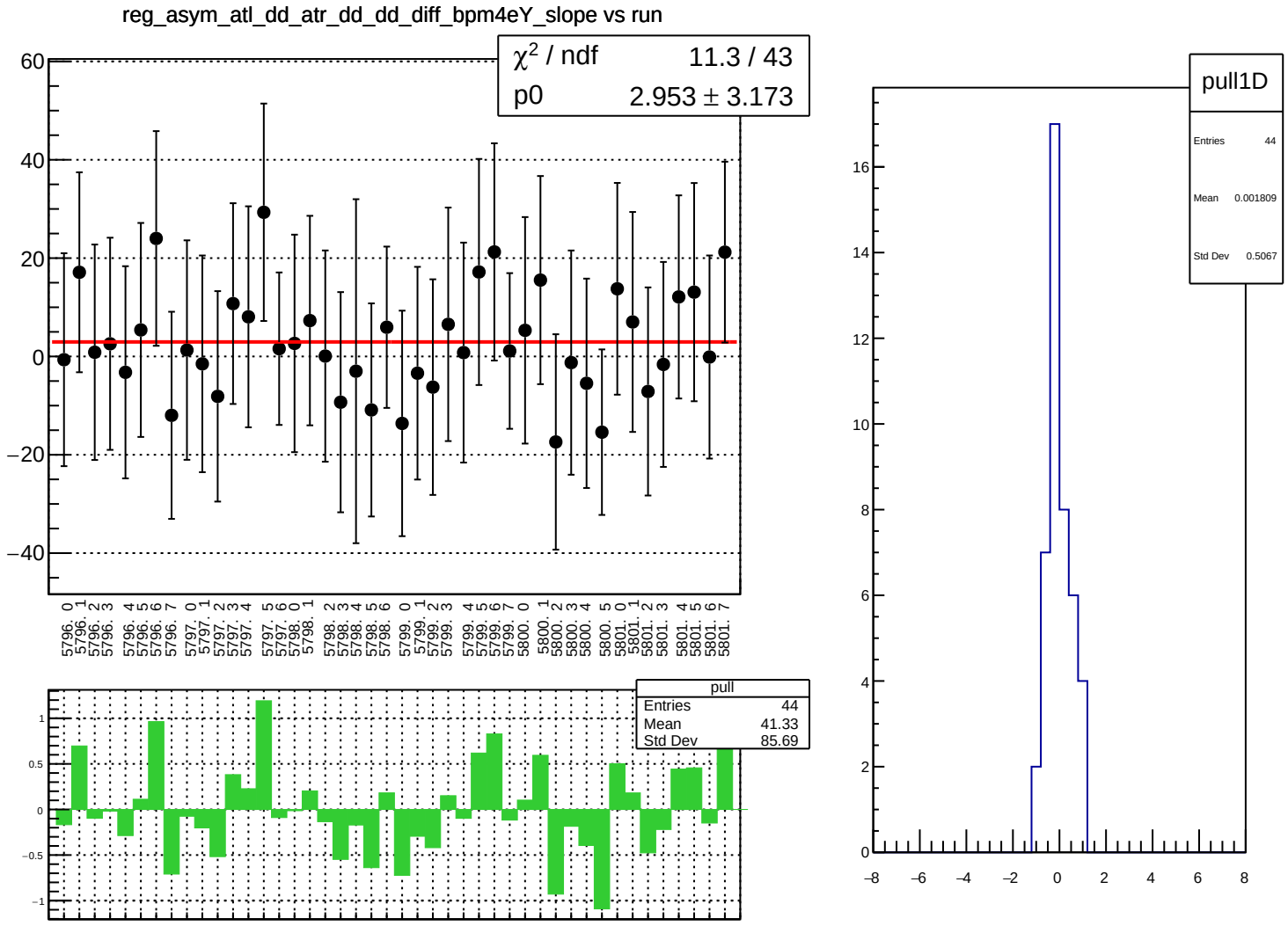

pull1D
Entries 44
Mean −0.01181
Std Dev 0.6006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

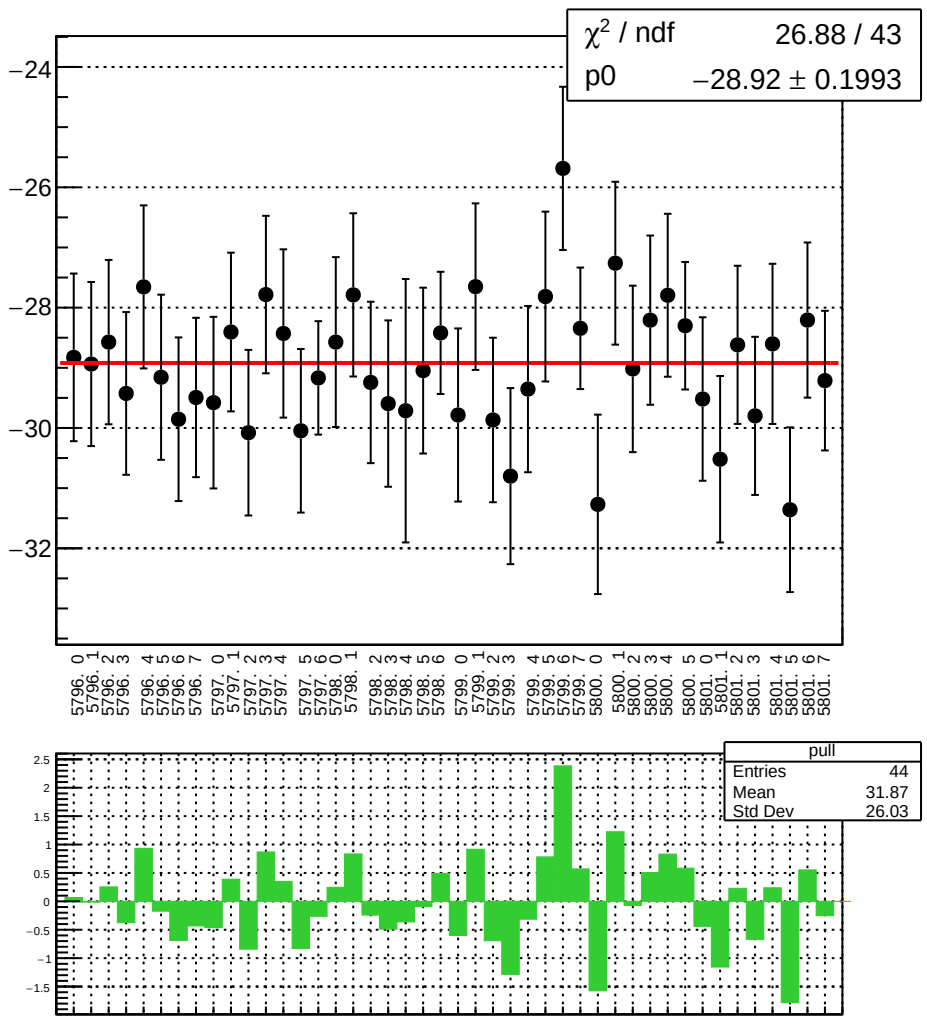

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.96 / 43
p0 7.482 ± 2.908
pull
Entries 44
Mean 1.184
Std Dev 75.53

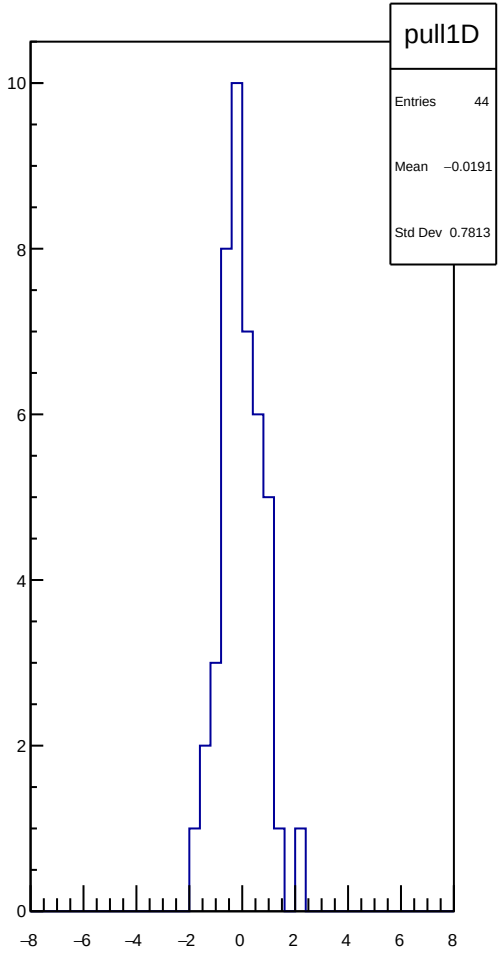

pull1D
Entries 44
Mean −0.002037
Std Dev 0.499

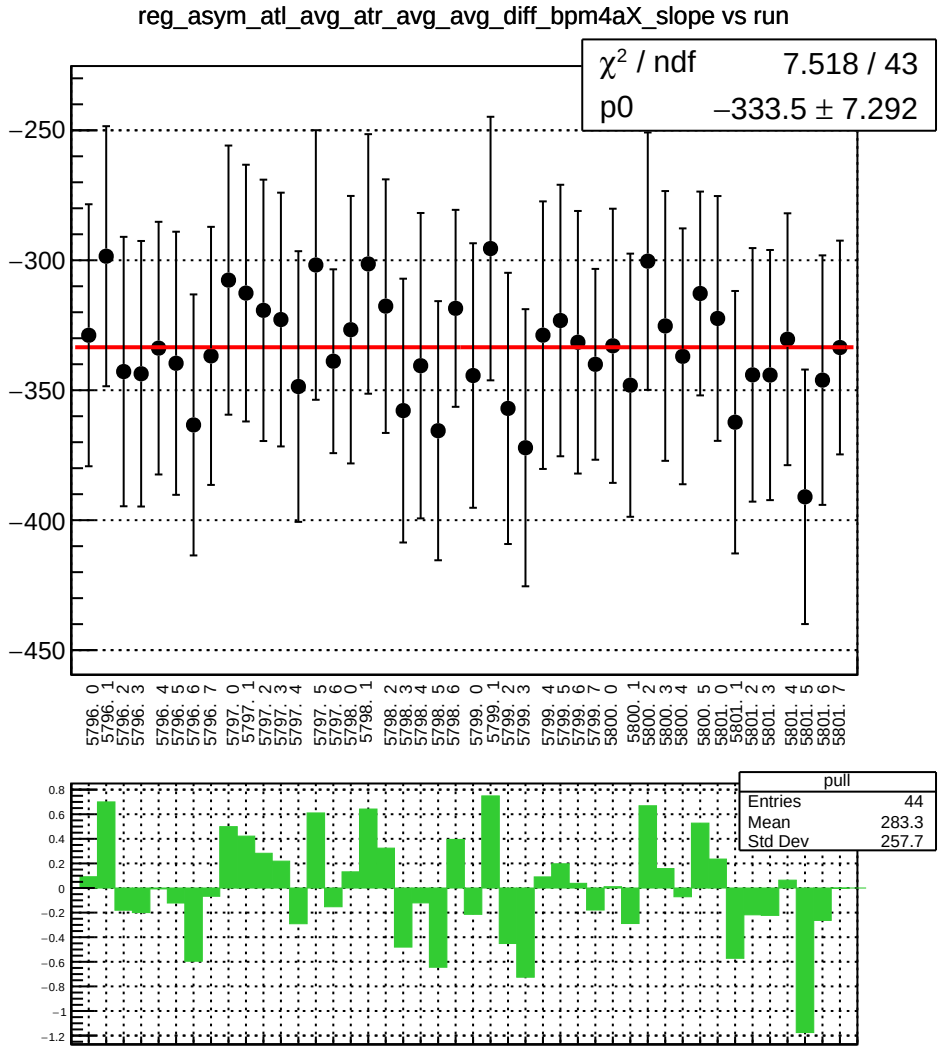

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.9 / 43
p0 156.2 ± 4.284
220
200
180
160
140
120
100
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean −65.37
Std Dev 87.55
1
0.5
0
−0.5
−1

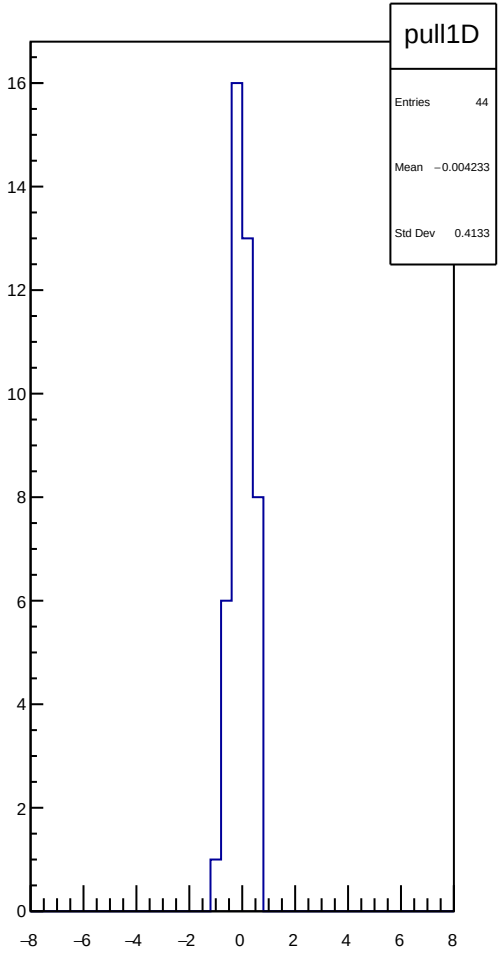

pull1D
Entries 44
Mean 0.01193
Std Dev 0.5817
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

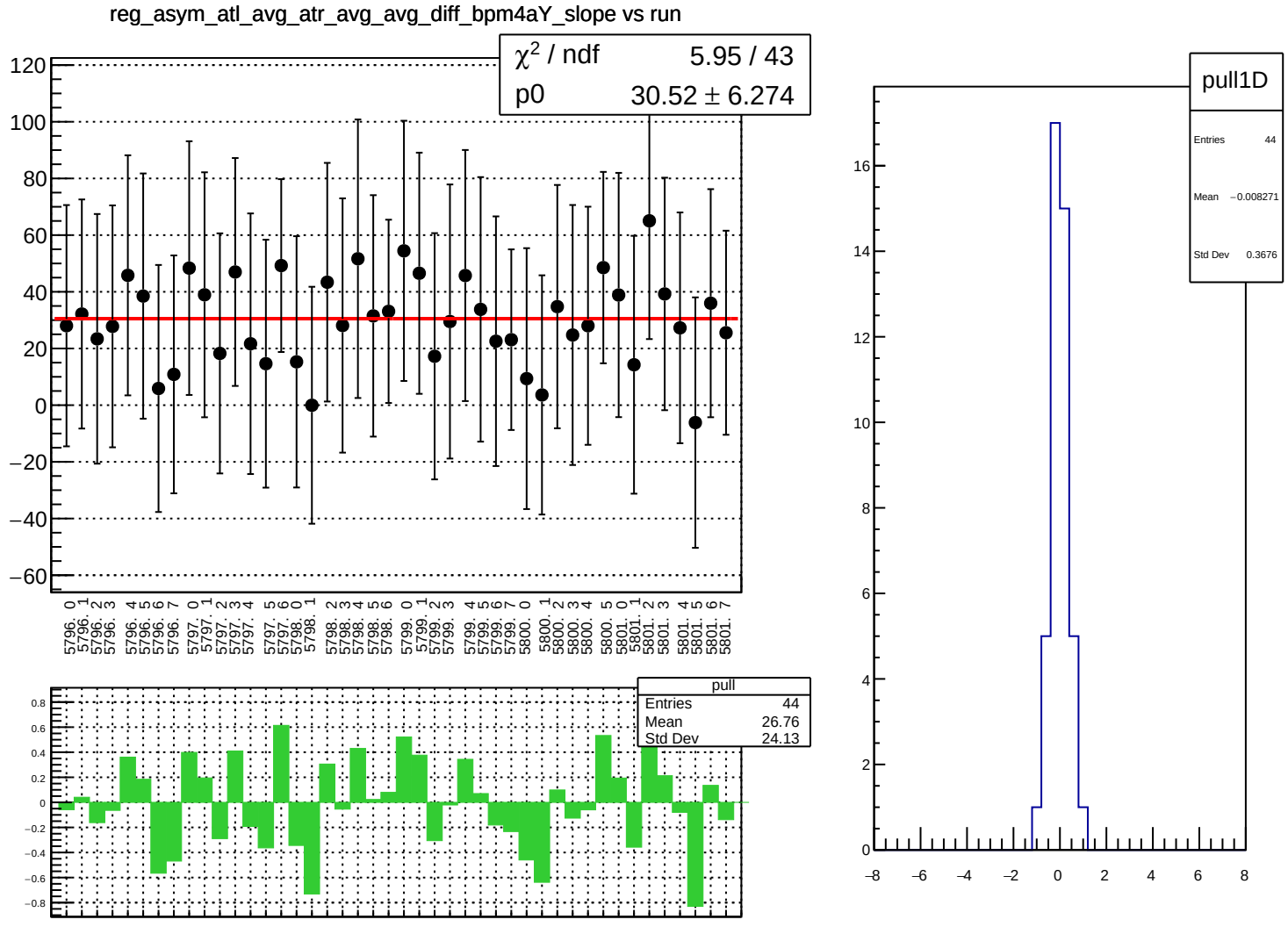

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.3 / 43
p0 2.953 ± 3.173
pull
Entries 44
Mean 41.33
Std Dev 85.69
pull1D
Entries 44
Mean 0.001809
Std Dev 0.5067

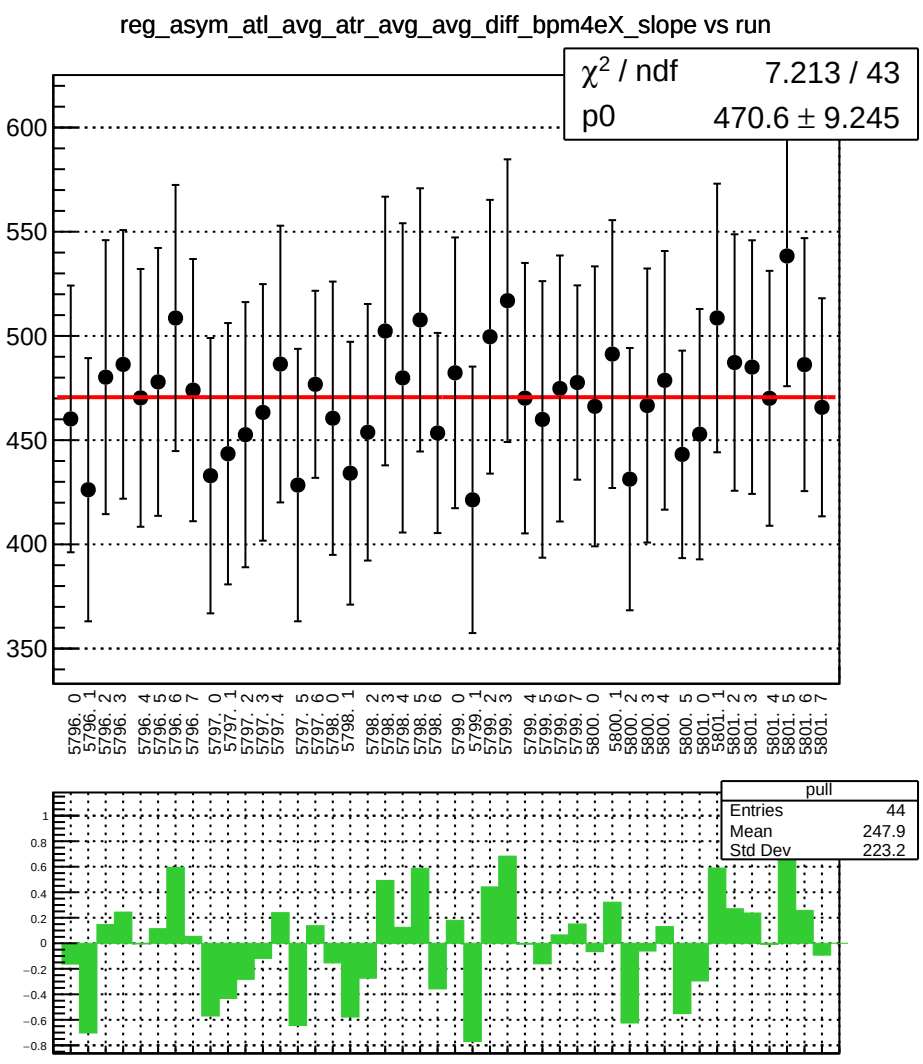

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 26.88 / 43
p0 −28.92 ± 0.1993
pull
Entries 44
Mean 31.87
Std Dev 26.03

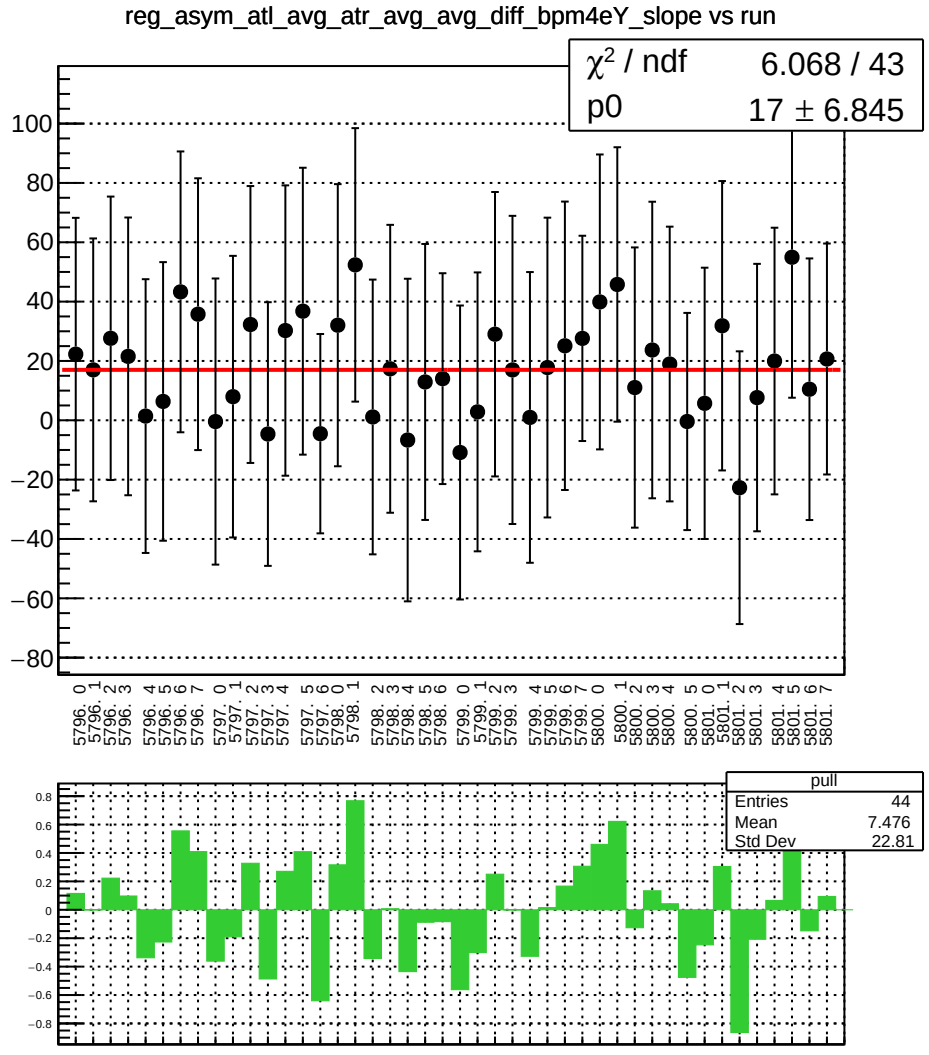

pull1D
Entries 44
Mean −0.0191
Std Dev 0.7813

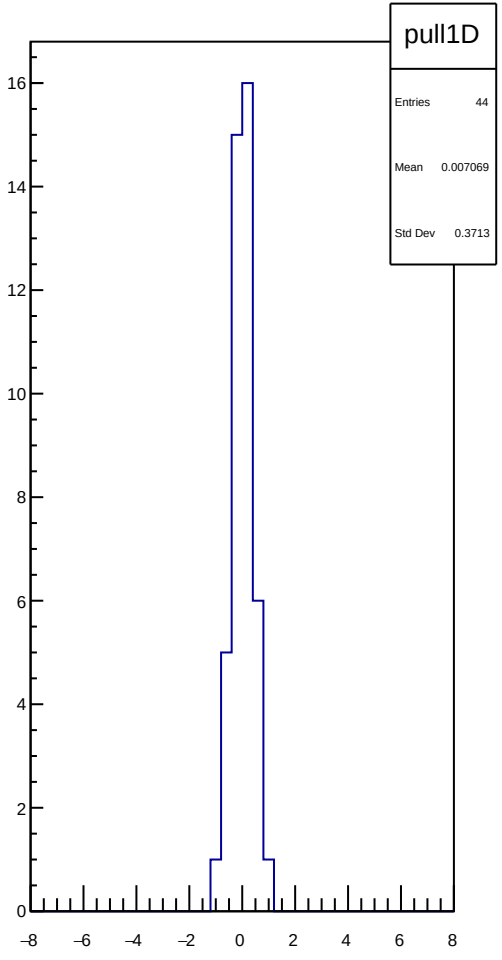

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.518 / 43
p0 −333.5 ± 7.292
−250
−300
−350
−400
−450
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 283.3
Std Dev 257.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

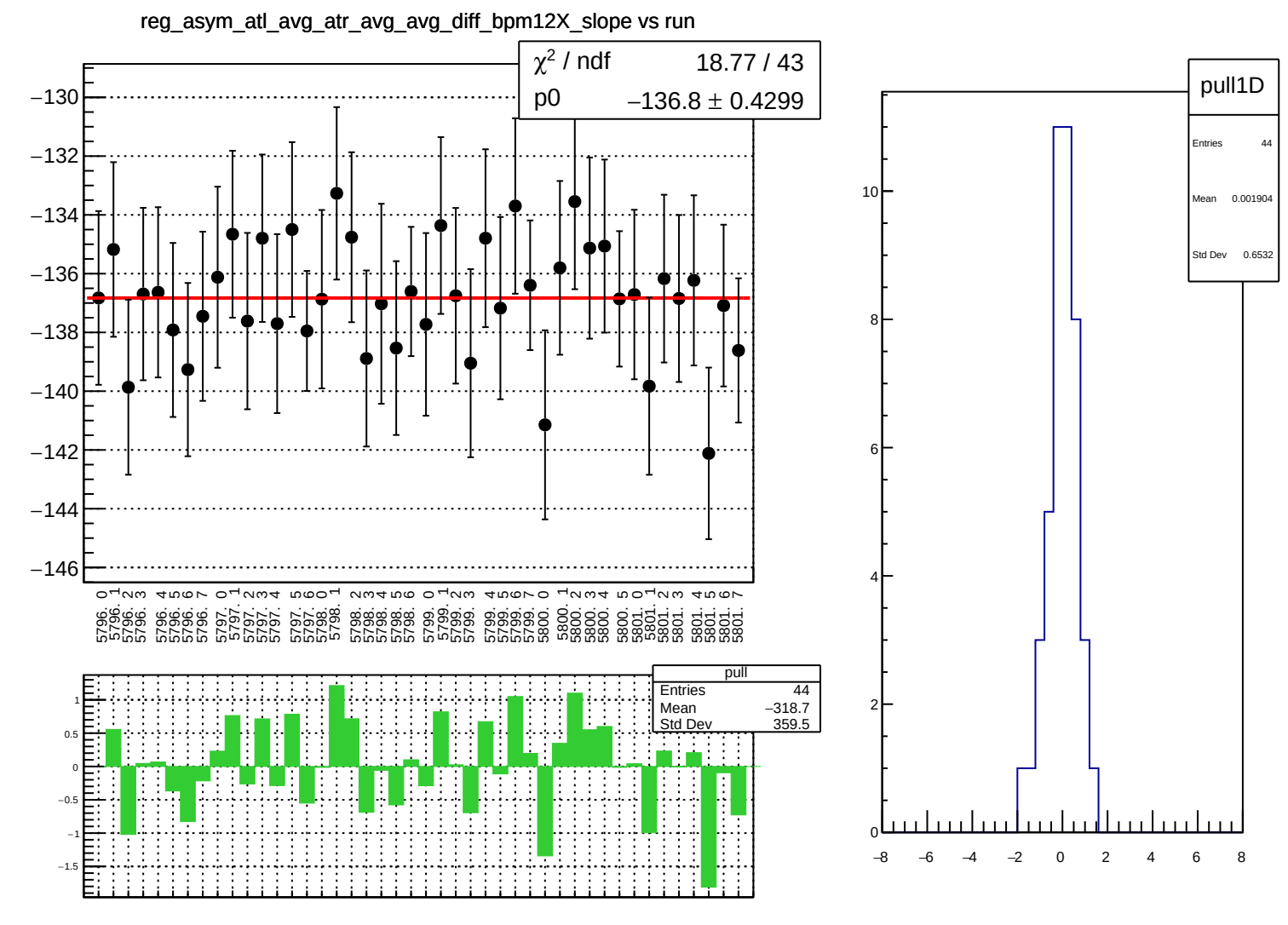

pull1D
Entries 44
Mean −0.004233
Std Dev 0.4133
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

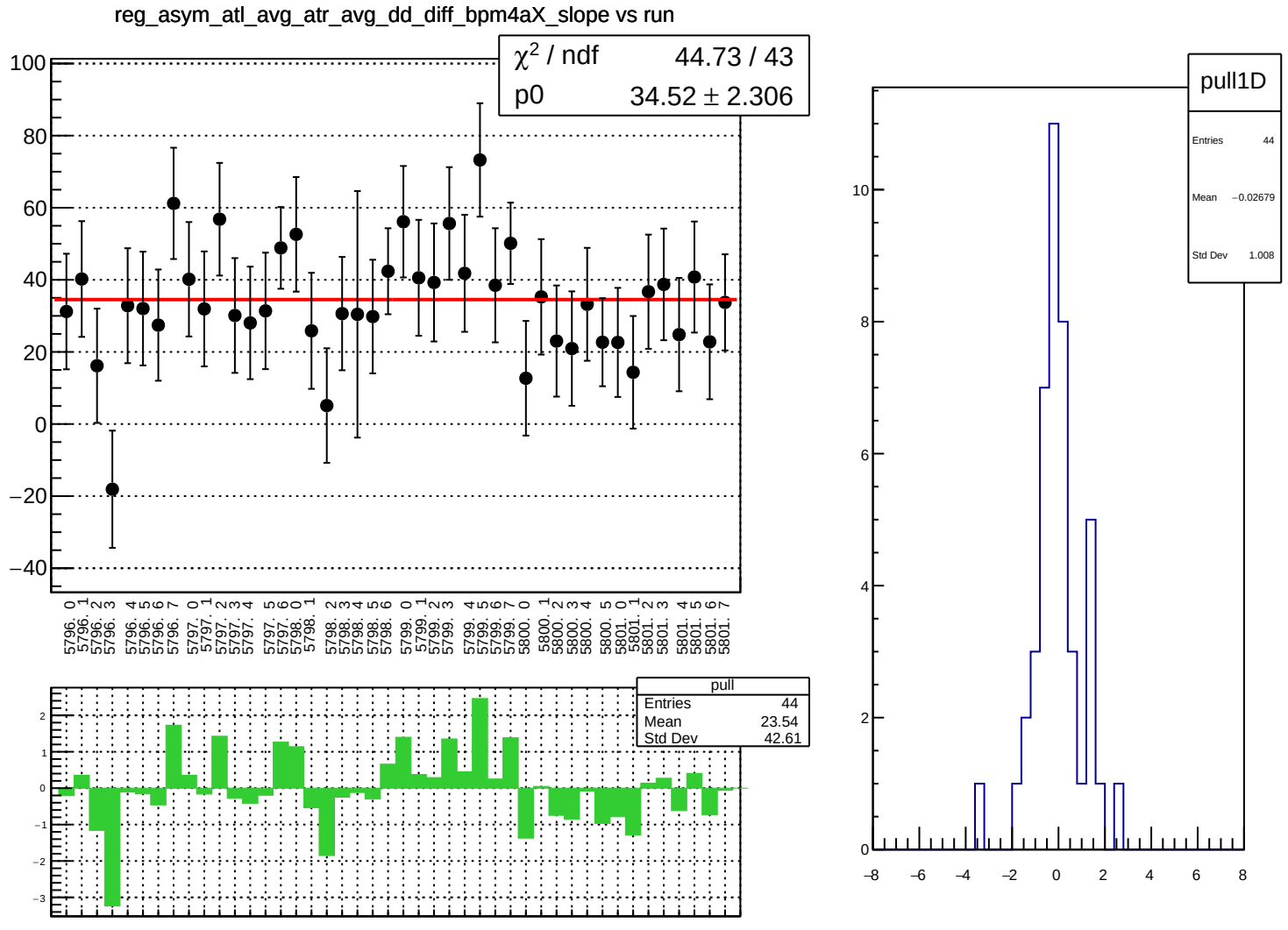

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.95 / 43
p0 30.52 ± 6.274
pull
Entries 44
Mean 26.76
Std Dev 24.13
pull1D
Entries 44
Mean −0.008271
Std Dev 0.3676

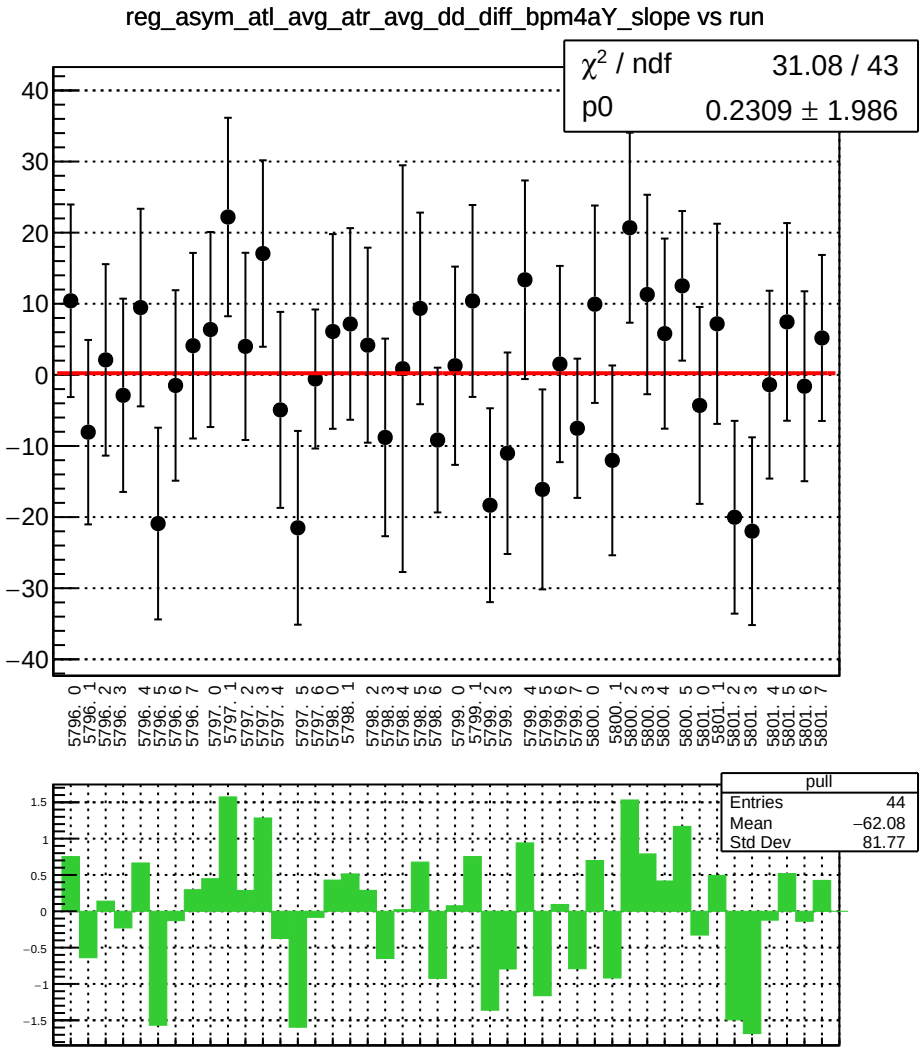

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.213 / 43
p0 470.6 ± 9.245
600
550
500
450
400
350
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 247.9
Std Dev 223.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 44
Mean 0.005175
Std Dev 0.4049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

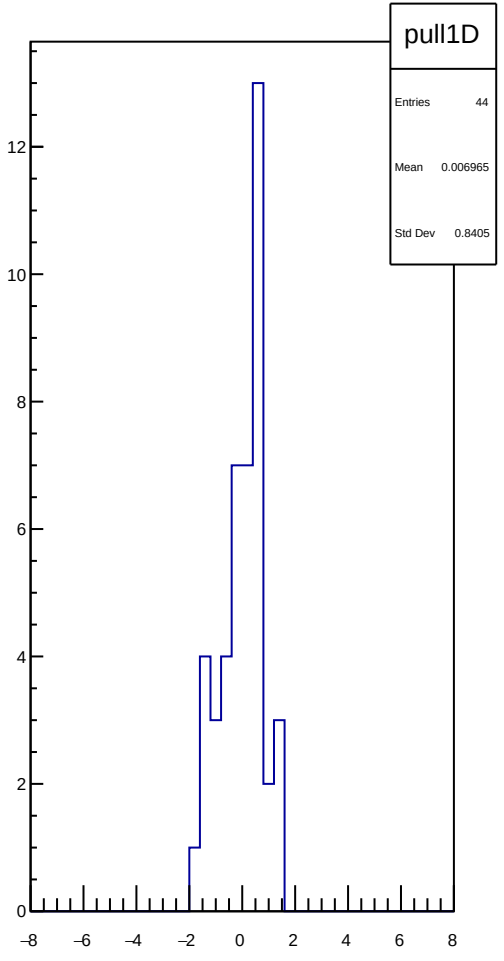

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.068 / 43
p0 17 ± 6.845
pull
Entries 44
Mean 7.476
Std Dev 22.81

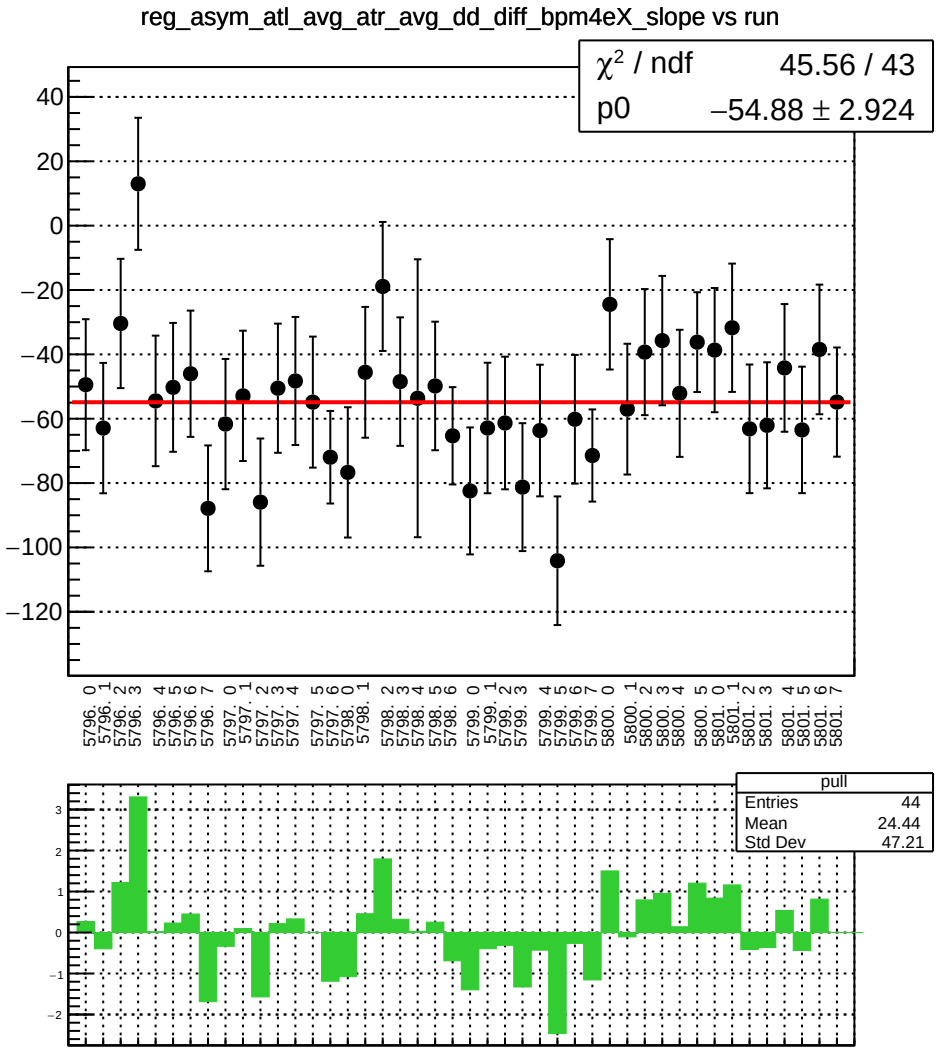

pull1D
Entries 44
Mean 0.007069
Std Dev 0.3713

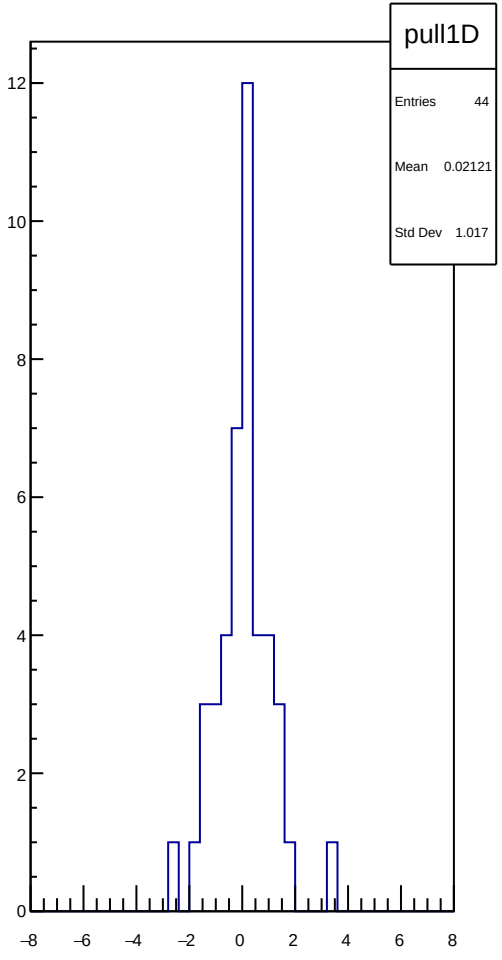

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 18.77 / 43
p0 −136.8 ± 0.4299
pull
Entries 44
Mean −318.7
Std Dev 359.5
pull1D
Entries 44
Mean 0.001904
Std Dev 0.6532

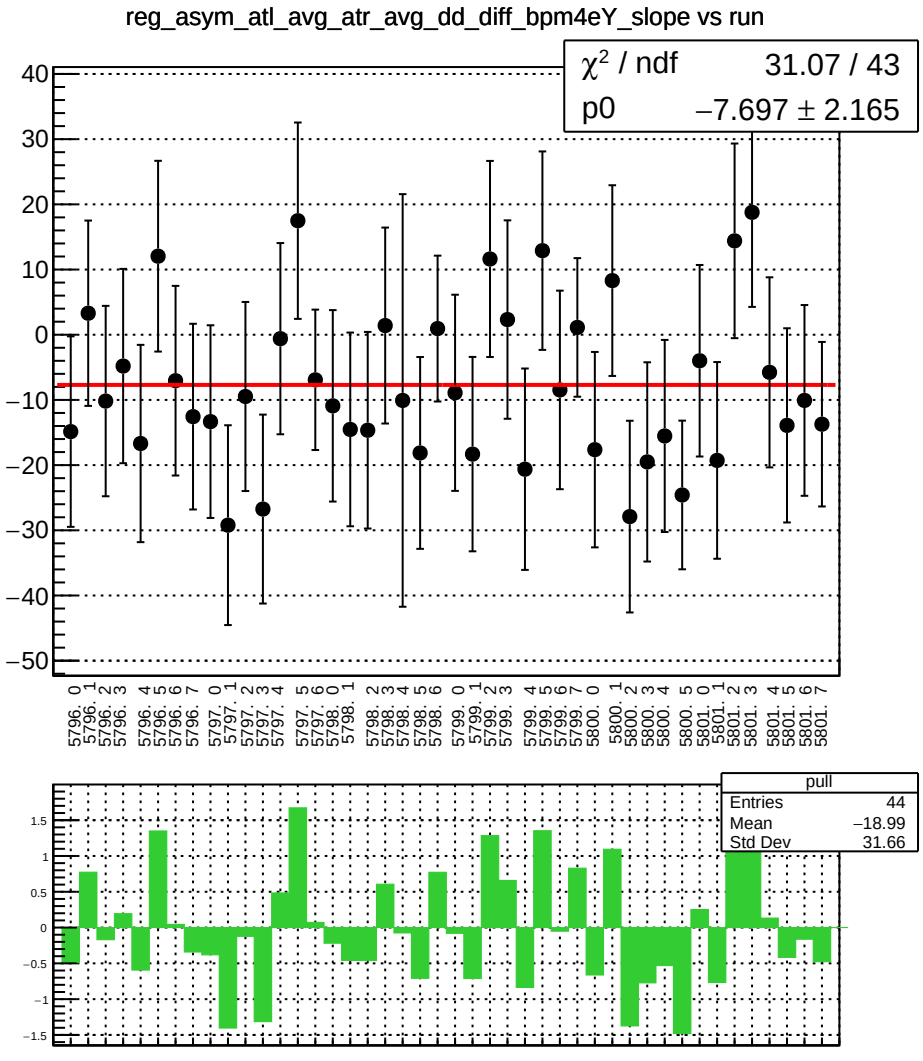

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.73 / 43
p0 34.52 ± 2.306
pull
Entries 44
Mean 23.54
Std Dev 42.61
pull1D
Entries 44
Mean −0.02679
Std Dev 1.008

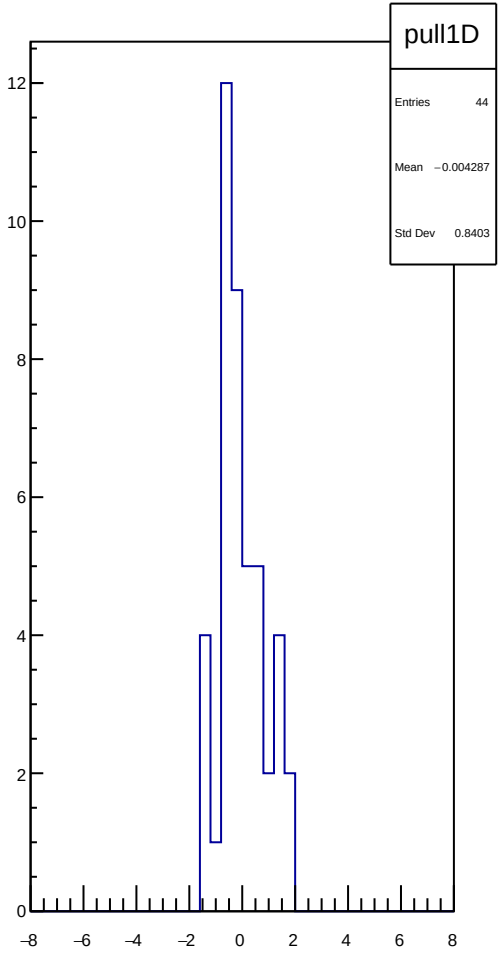

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.08 / 43
p0 0.2309 ± 1.986
pull
Entries 44
Mean −62.08
Std Dev 81.77

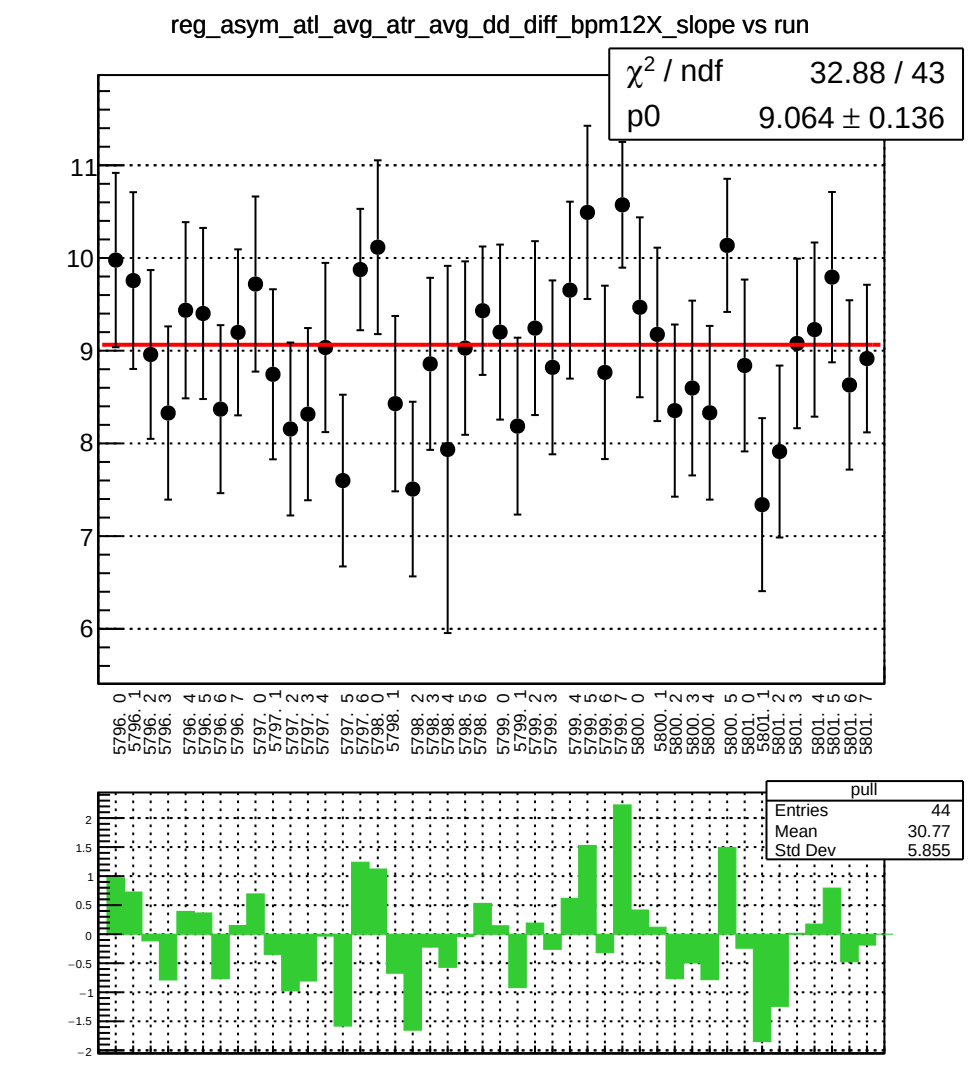

pull1D
Entries 44
Mean 0.006965
Std Dev 0.8405

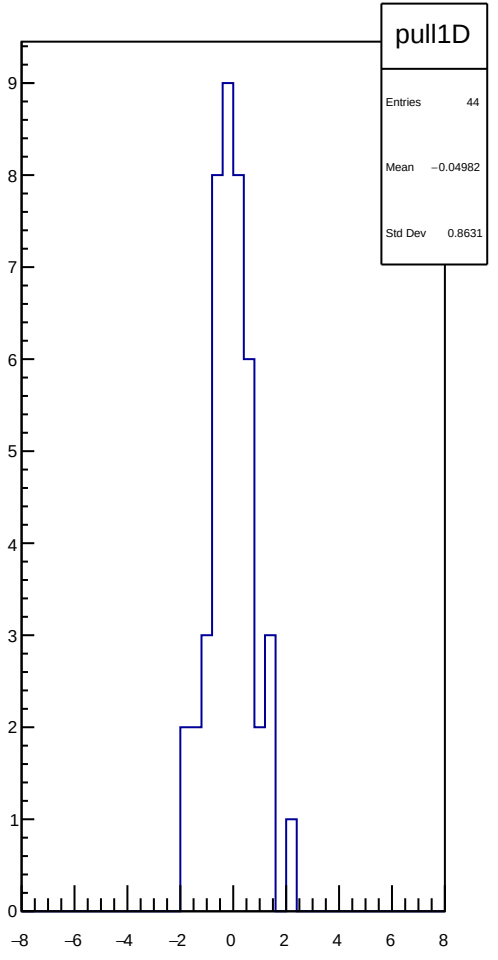

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.56 / 43
p0 −54.88 ± 2.924
pull
Entries 44
Mean 24.44
Std Dev 47.21

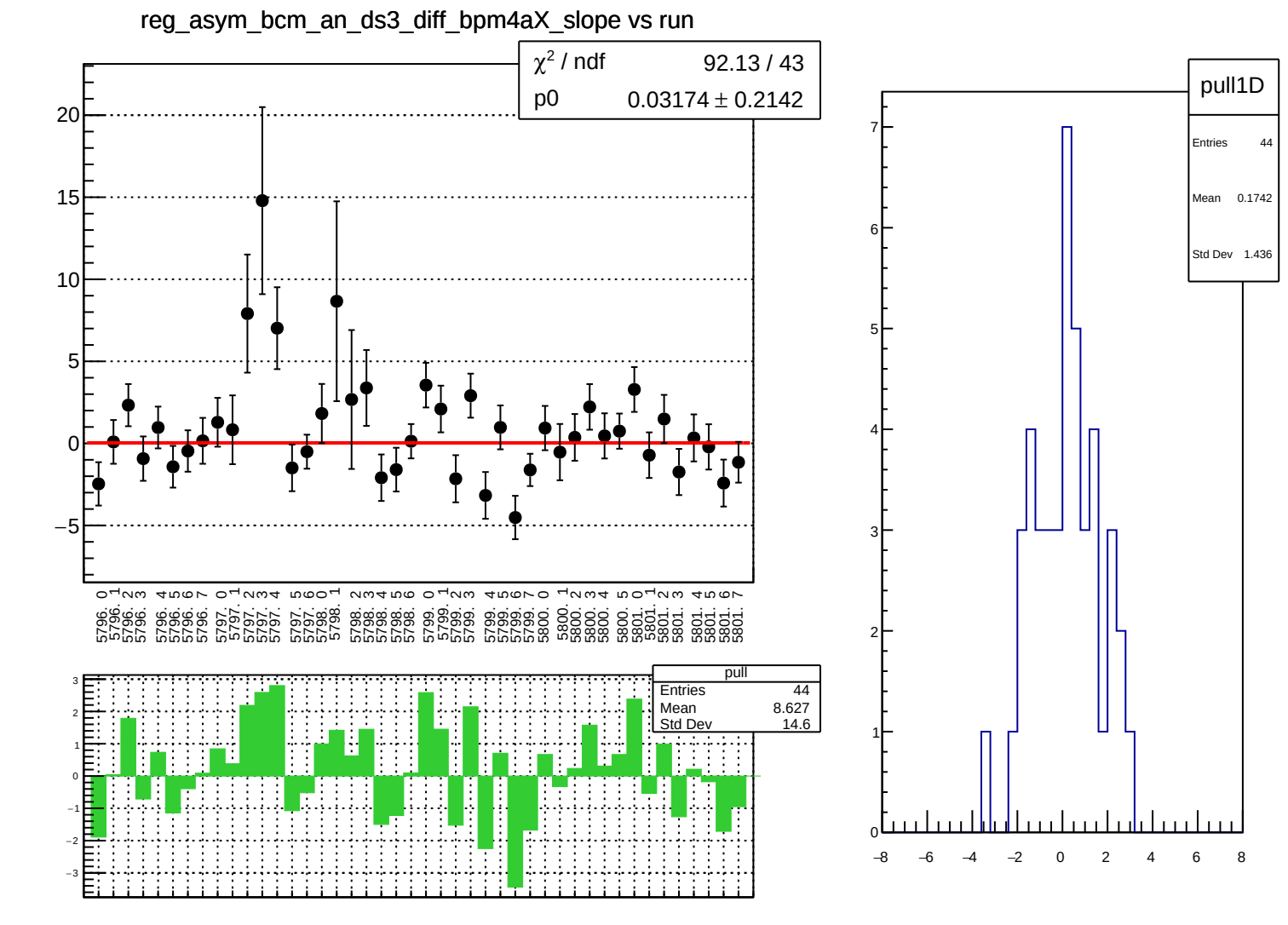

pull1D
Entries 44
Mean 0.02121
Std Dev 1.017

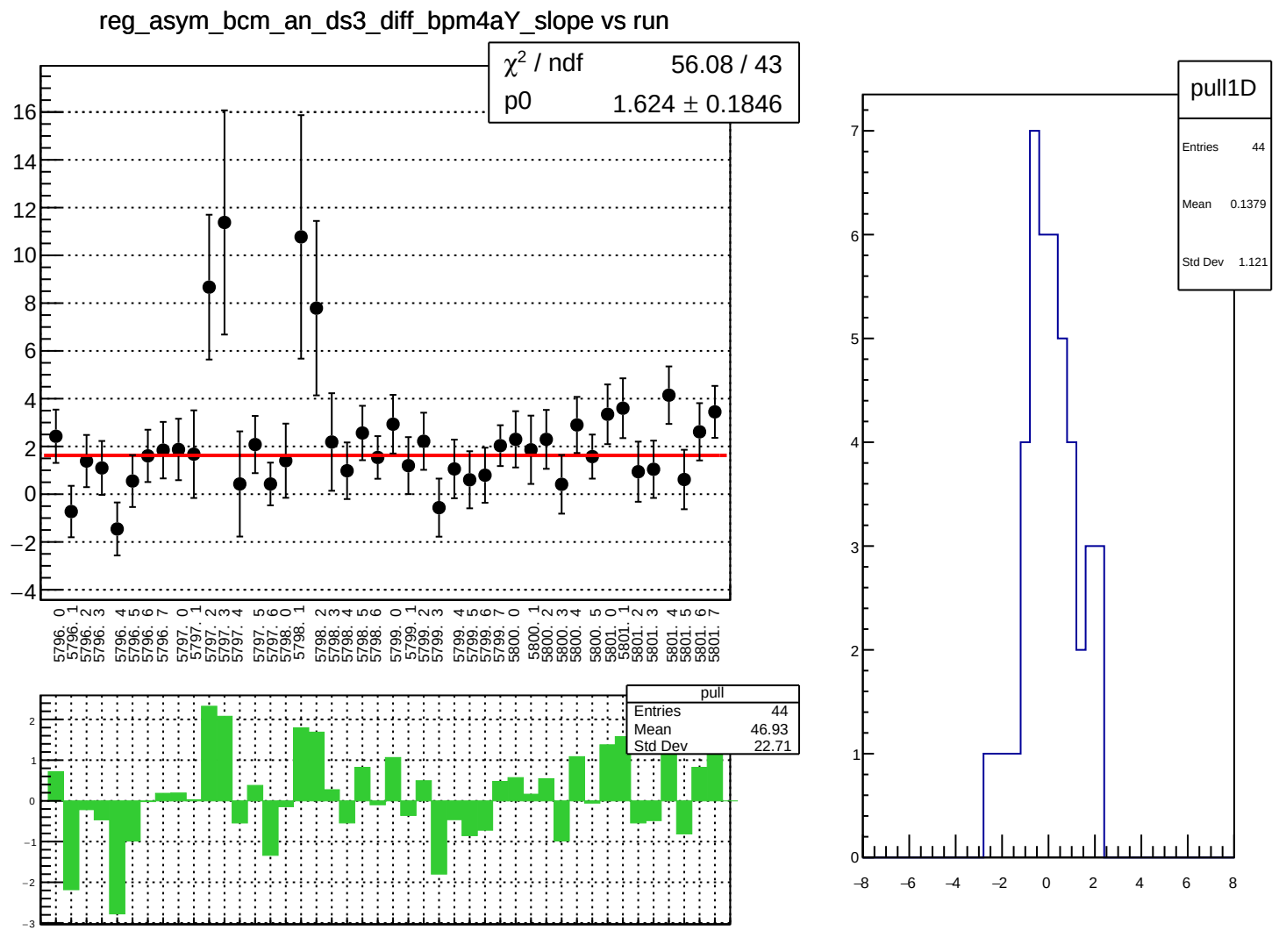

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.07 / 43
p0 −7.697 ± 2.165
pull
Entries 44
Mean −18.99
Std Dev 31.66

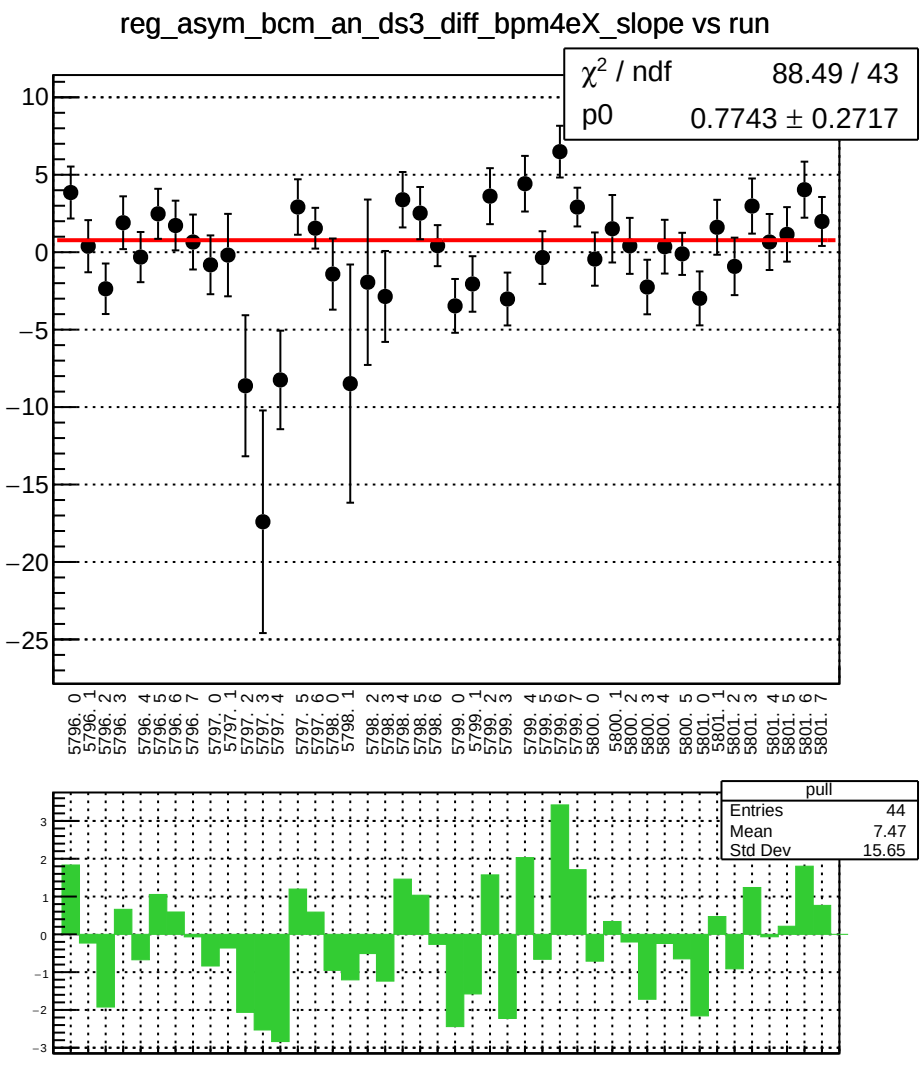

pull1D
Entries 44
Mean −0.004287
Std Dev 0.8403

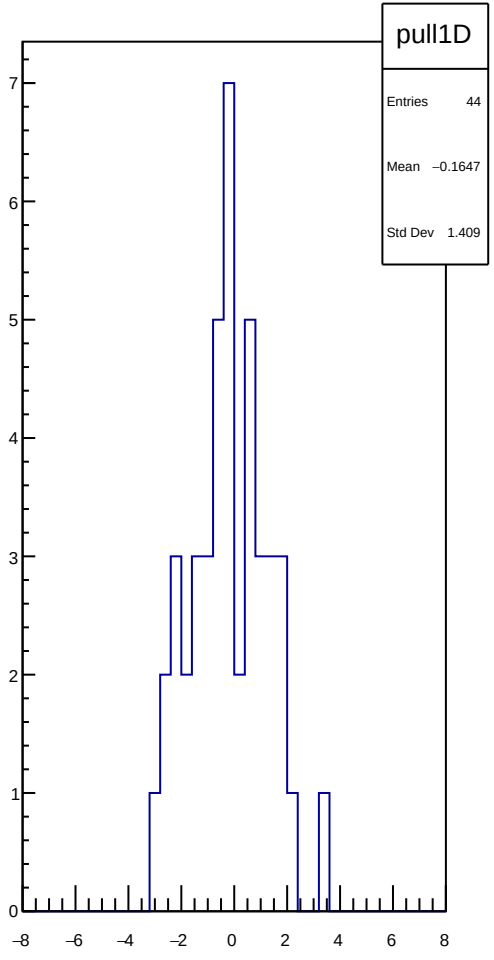

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 32.88 / 43
p0 9.064 ± 0.136
pull
Entries 44
Mean 30.77
Std Dev 5.855

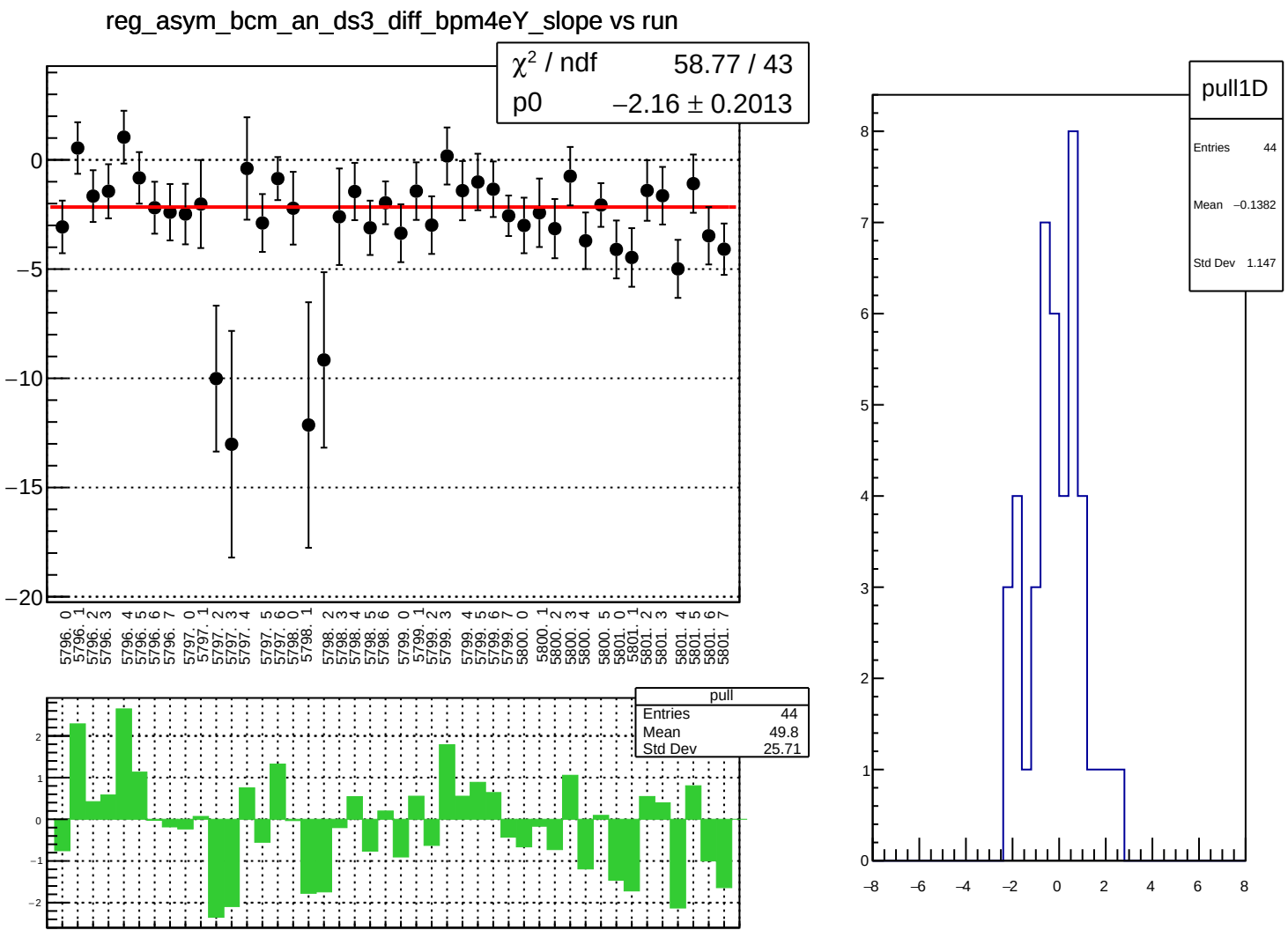

pull1D
Entries 44
Mean −0.04982
Std Dev 0.8631

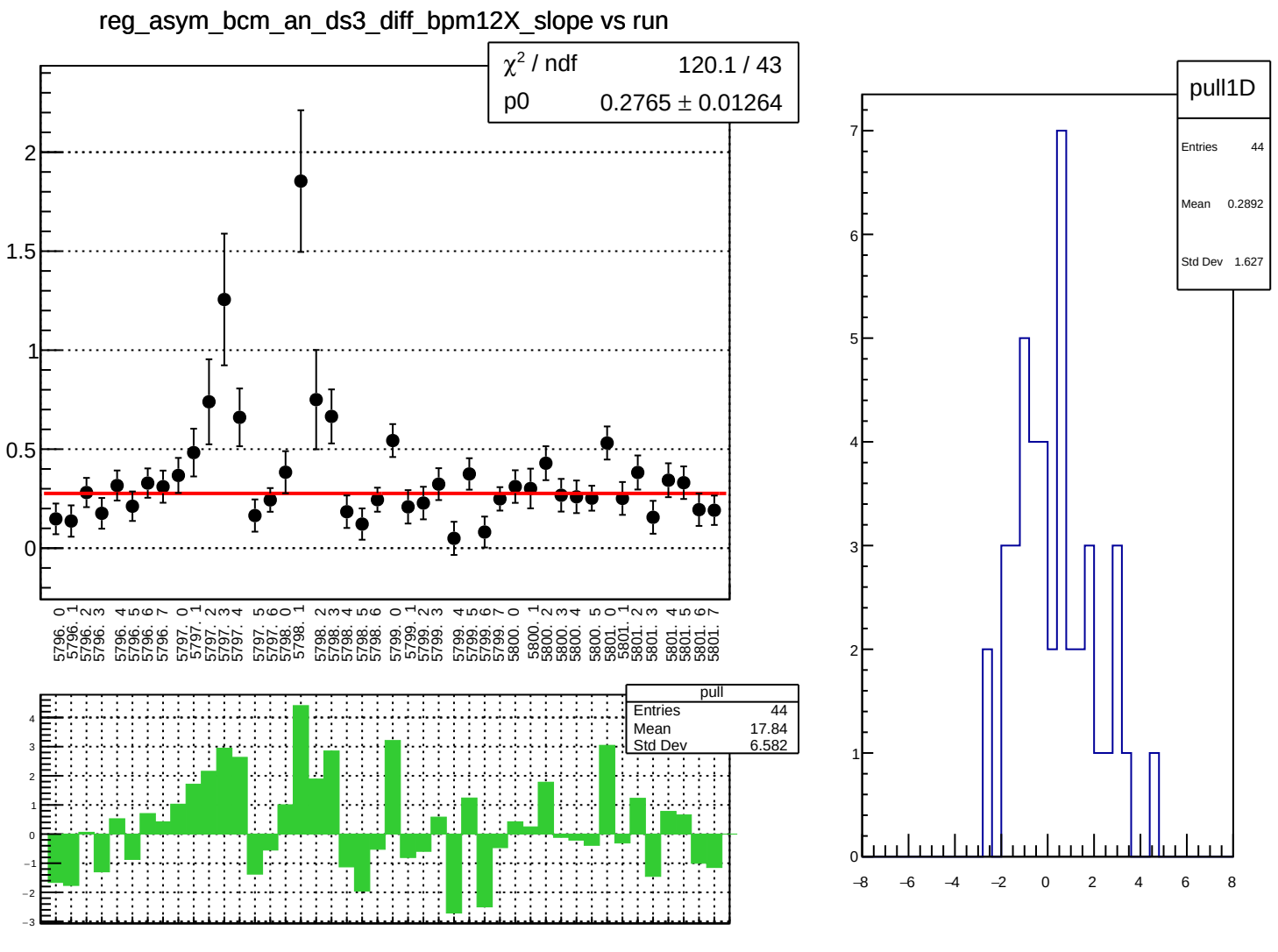

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 92.13 / 43
p0 0.03174 ± 0.2142
pull
Entries 44
Mean 8.627
Std Dev 14.6
pull1D
Entries 44
Mean 0.1742
Std Dev 1.436

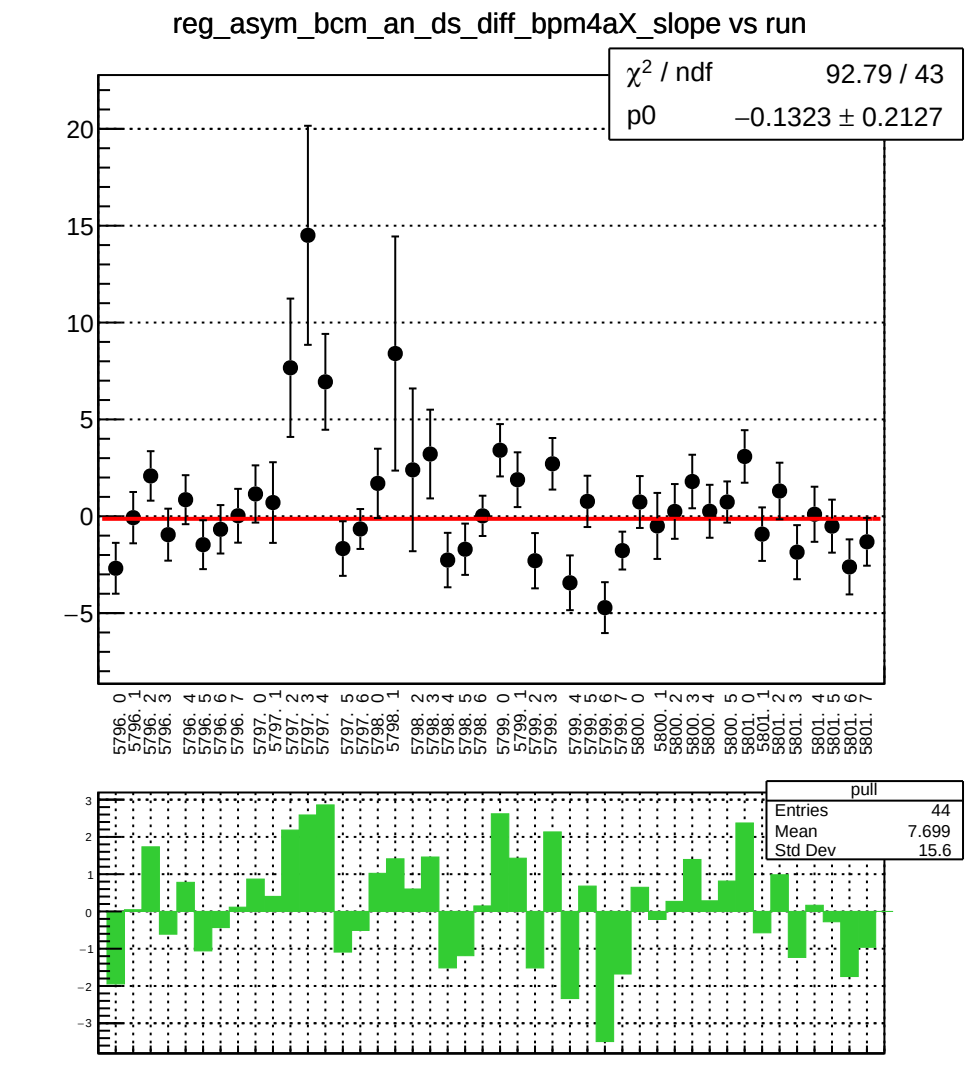

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 56.08 / 43
p0 1.624 ± 0.1846
pull
Entries 44
Mean 46.93
Std Dev 22.71
pull1D
Entries 44
Mean 0.1379
Std Dev 1.121

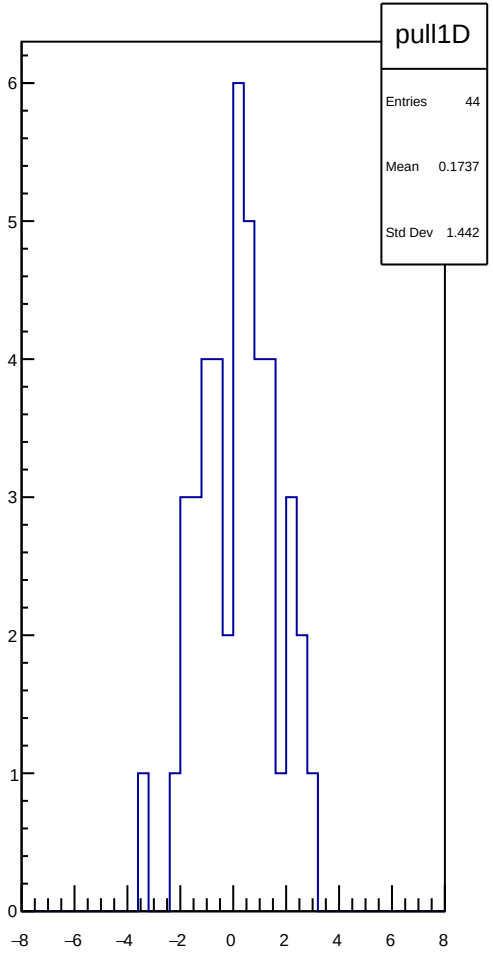

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 88.49 / 43
p0 0.7743 ± 0.2717
pull
Entries 44
Mean 7.47
Std Dev 15.65

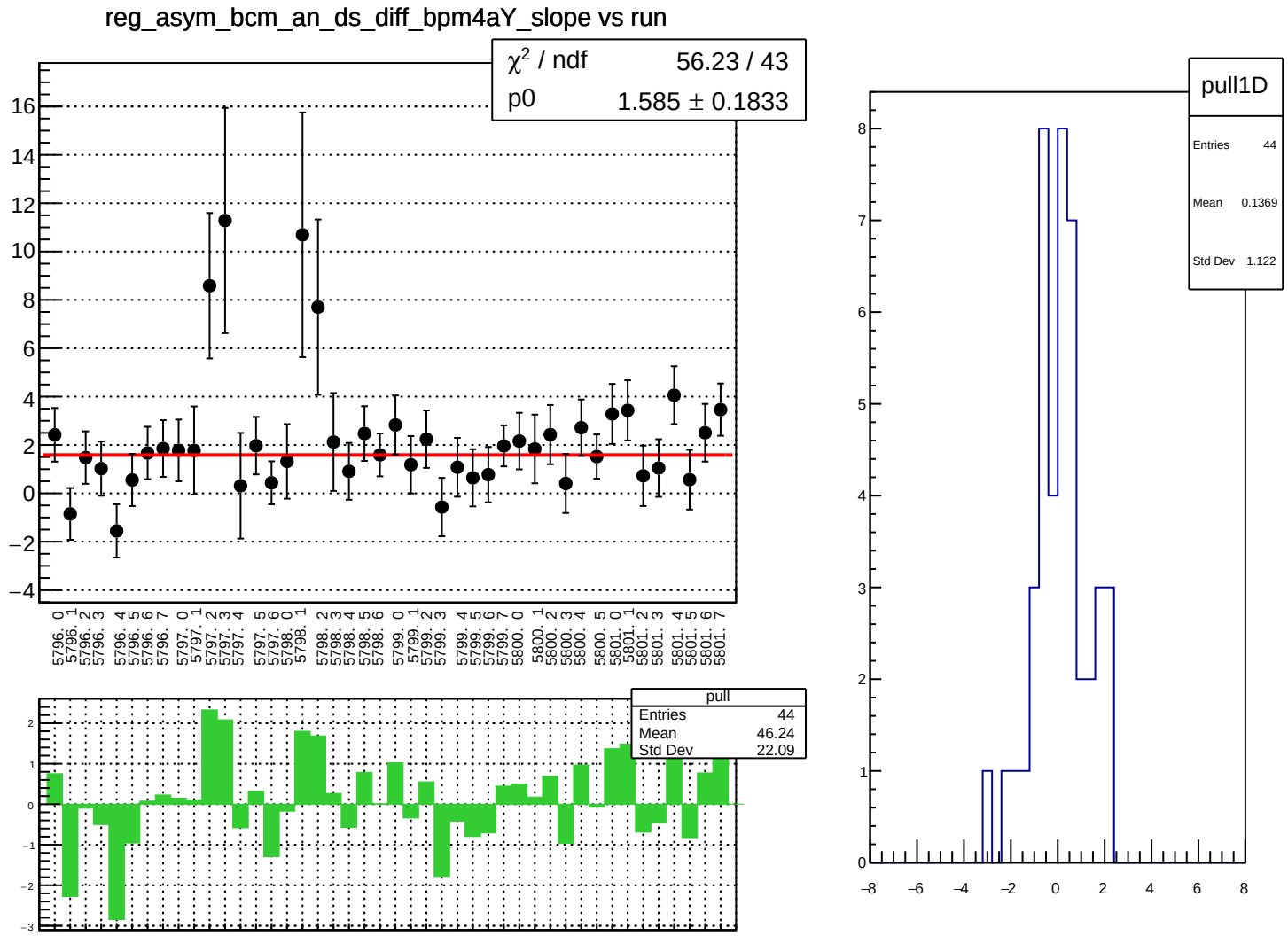

pull1D
Entries 44
Mean −0.1647
Std Dev 1.409

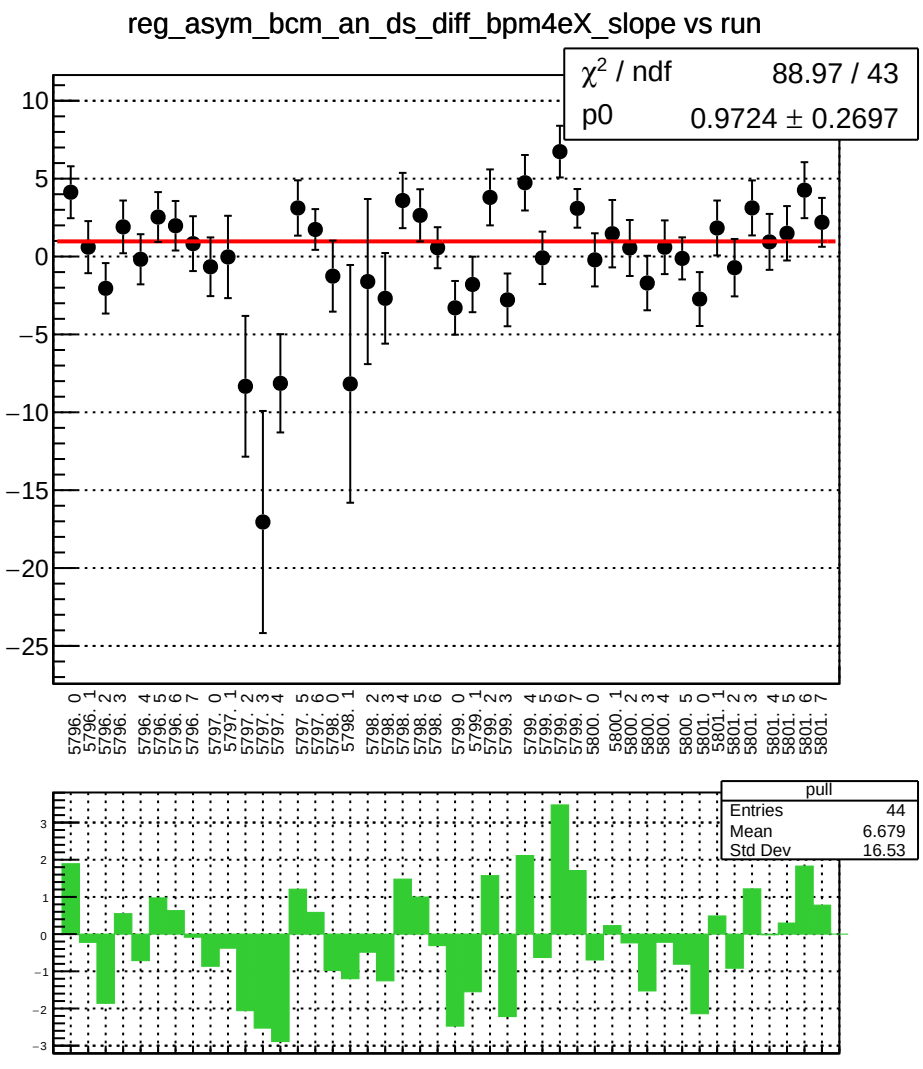

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 58.77 / 43
p0 −2.16 ± 0.2013
0
−5
−10
−15
−20
5796. 0
5796. 1
5796. 2
5796. 3
5796. 4
5796. 5
5796. 6
5796. 7
5797. 0
5797. 1
5797. 2
5797. 3
5797. 4
5797. 5
5797. 6
5798. 0
5798. 1
5798. 2
5798. 3
5798. 4
5798. 5
5798. 6
5799. 0
5799. 1
5799. 2
5799. 3
5799. 4
5799. 5
5799. 6
5799. 7
5800. 0
5800. 1
5800. 2
5800. 3
5800. 4
5800. 5
5801. 0
5801. 1
5801. 2
5801. 3
5801. 4
5801. 5
5801. 6
5801. 7
pull
Entries 44
Mean 49.8
Std Dev 25.71
2
1
0
−1
−2
pull1D
Entries 44
Mean −0.1382
Std Dev 1.147
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

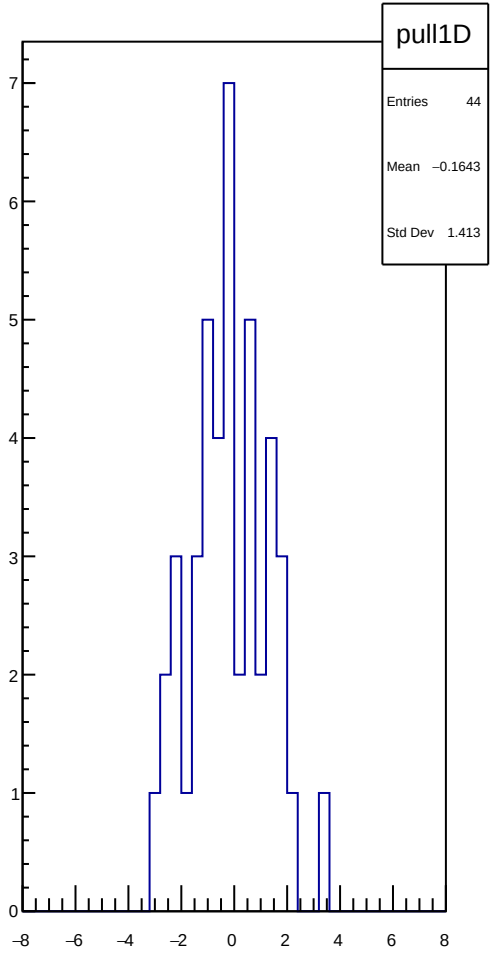

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 120.1 / 43
p0 0.2765 ± 0.01264
pull
Entries 44
Mean 17.84
Std Dev 6.582
pull1D
Entries 44
Mean 0.2892
Std Dev 1.627

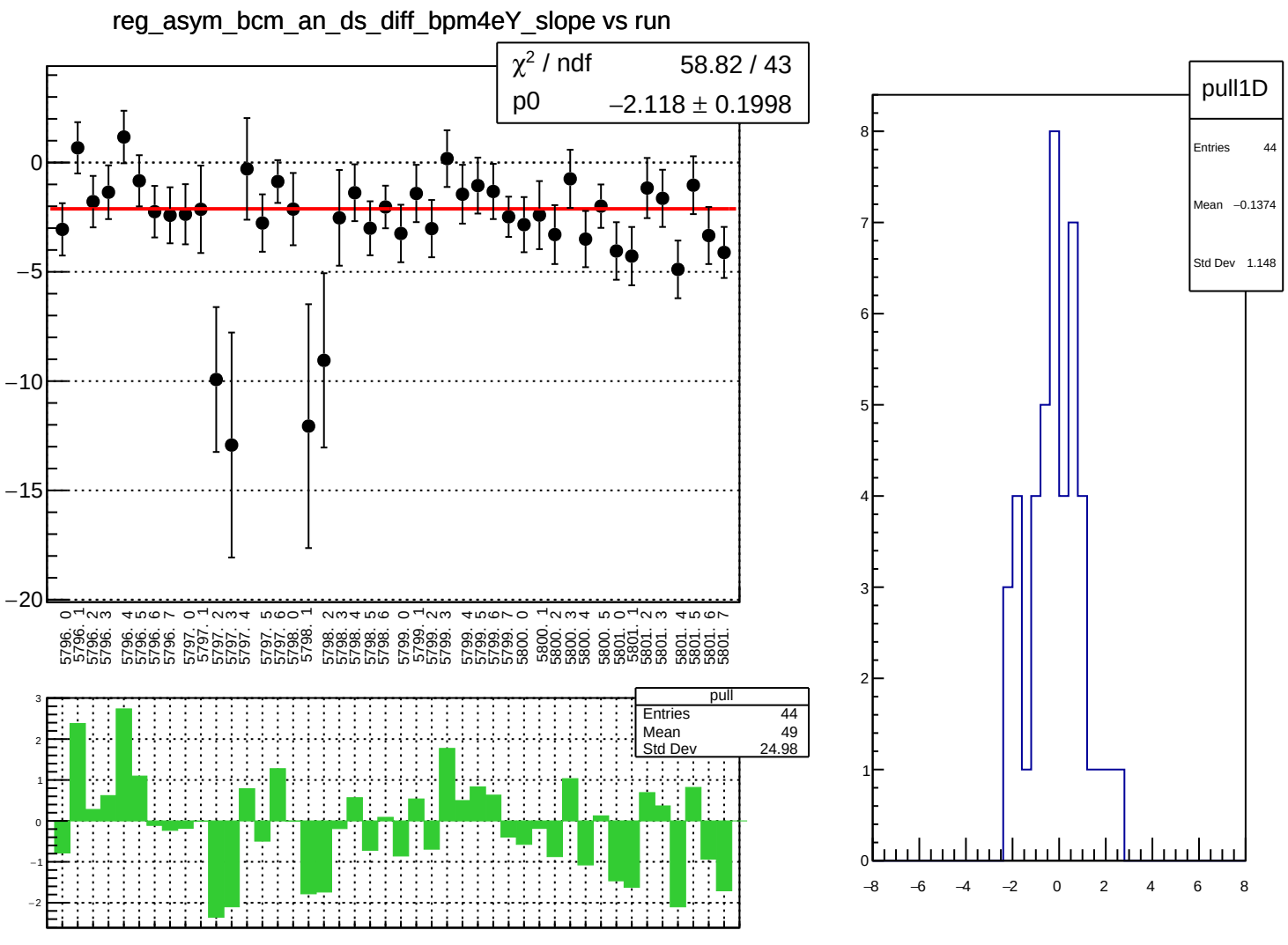

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 92.79 / 43
p0 −0.1323 ± 0.2127
pull
Entries 44
Mean 7.699
Std Dev 15.6

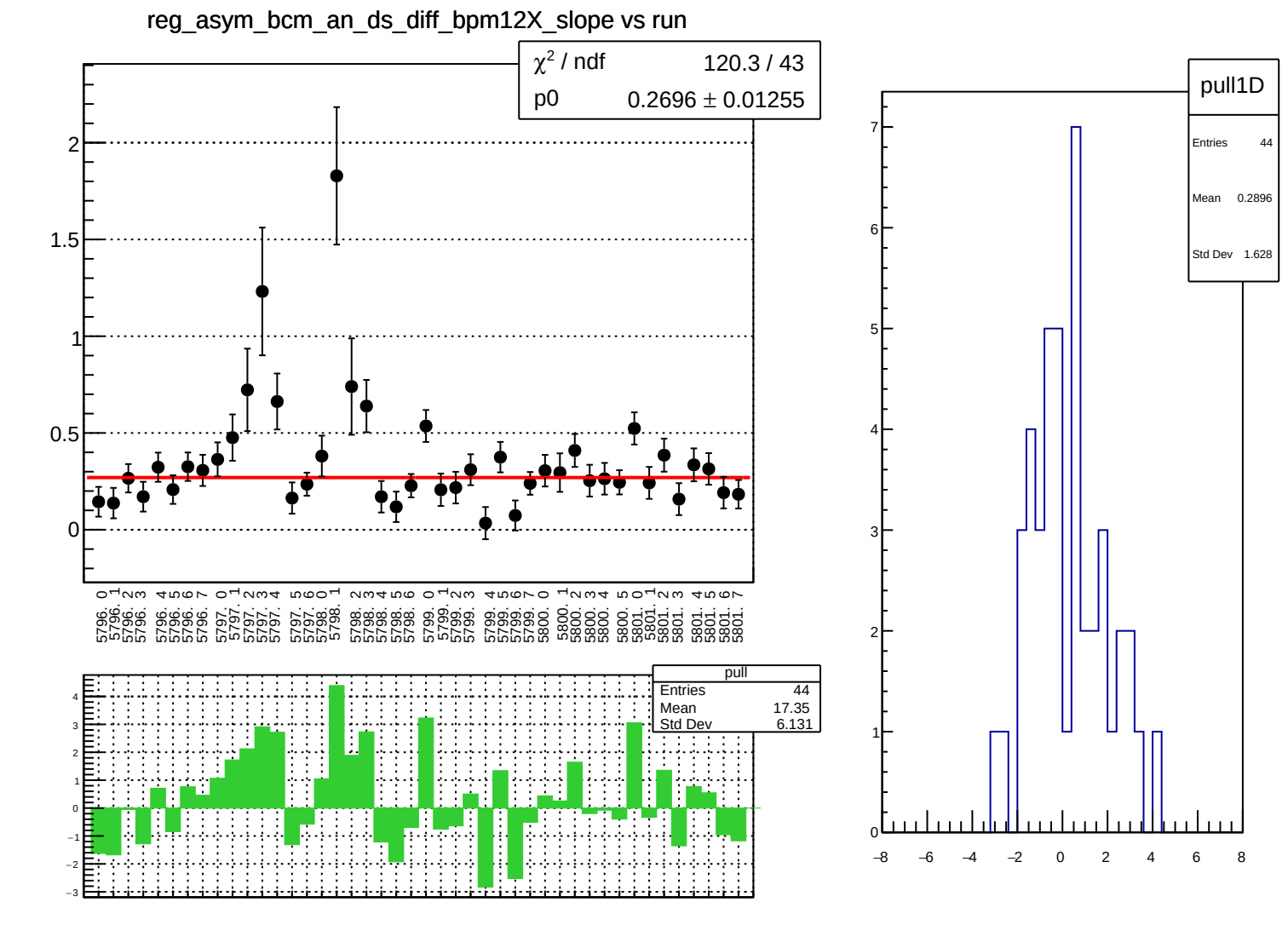

pull1D
Entries 44
Mean 0.1737
Std Dev 1.442

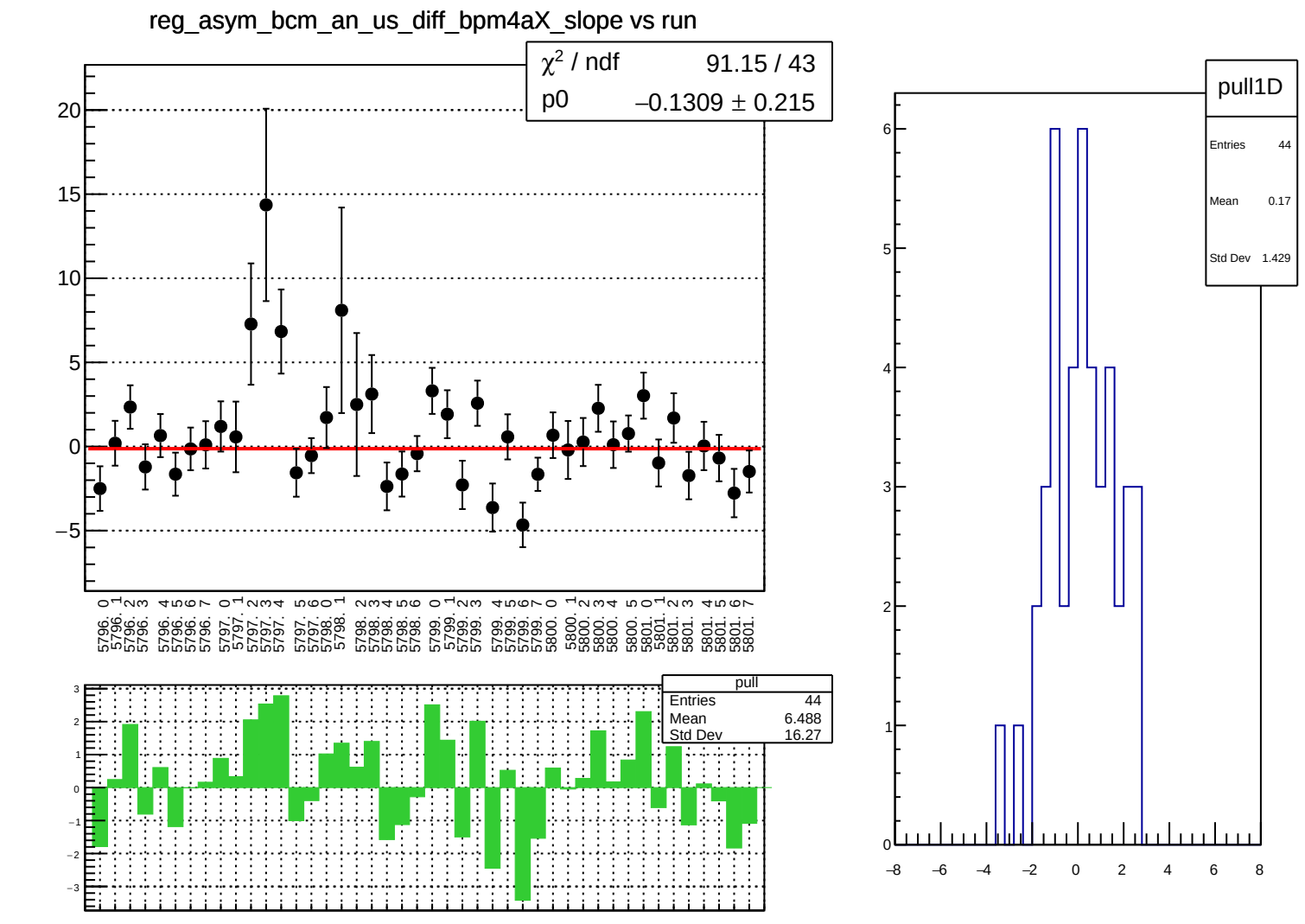

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 56.23 / 43
p0 1.585 ± 0.1833
pull
Entries 44
Mean 46.24
Std Dev 22.09
pull1D
Entries 44
Mean 0.1369
Std Dev 1.122

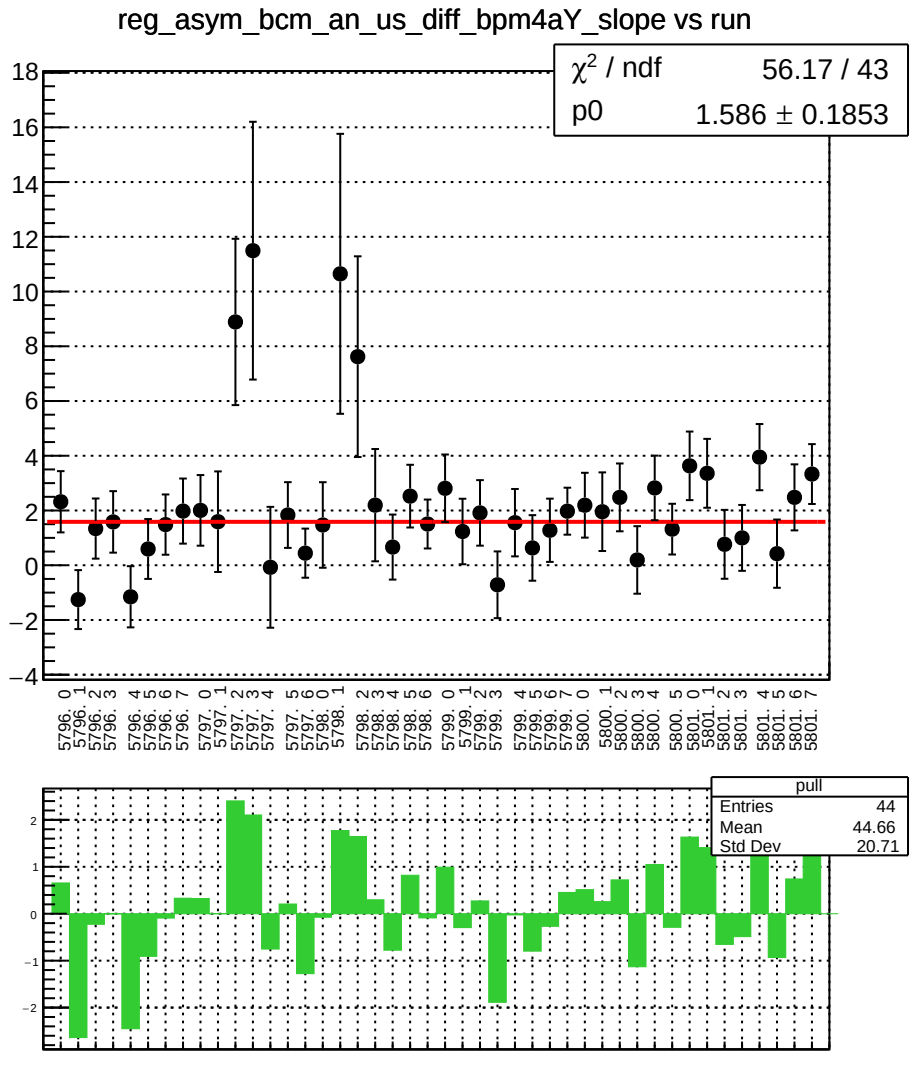

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 88.97 / 43
p0 0.9724 ± 0.2697
pull
Entries 44
Mean 6.679
Std Dev 16.53

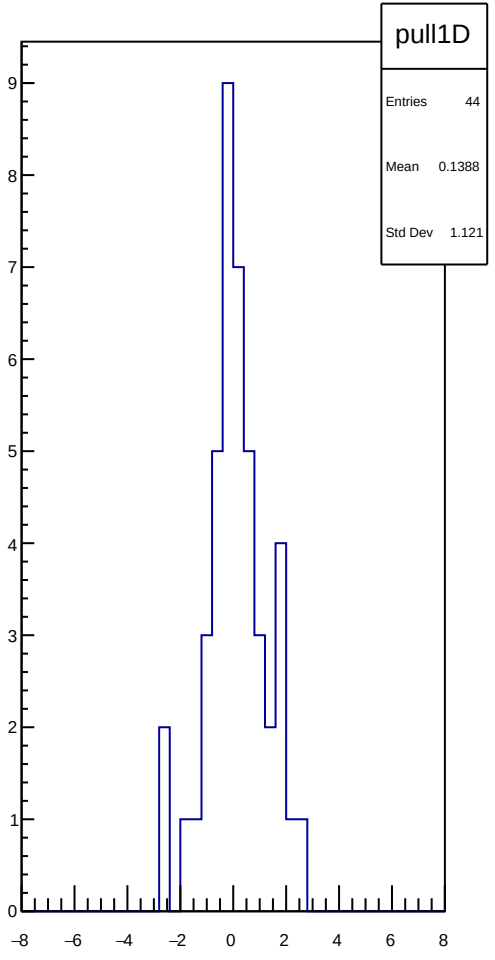

pull1D
Entries 44
Mean −0.1643
Std Dev 1.413

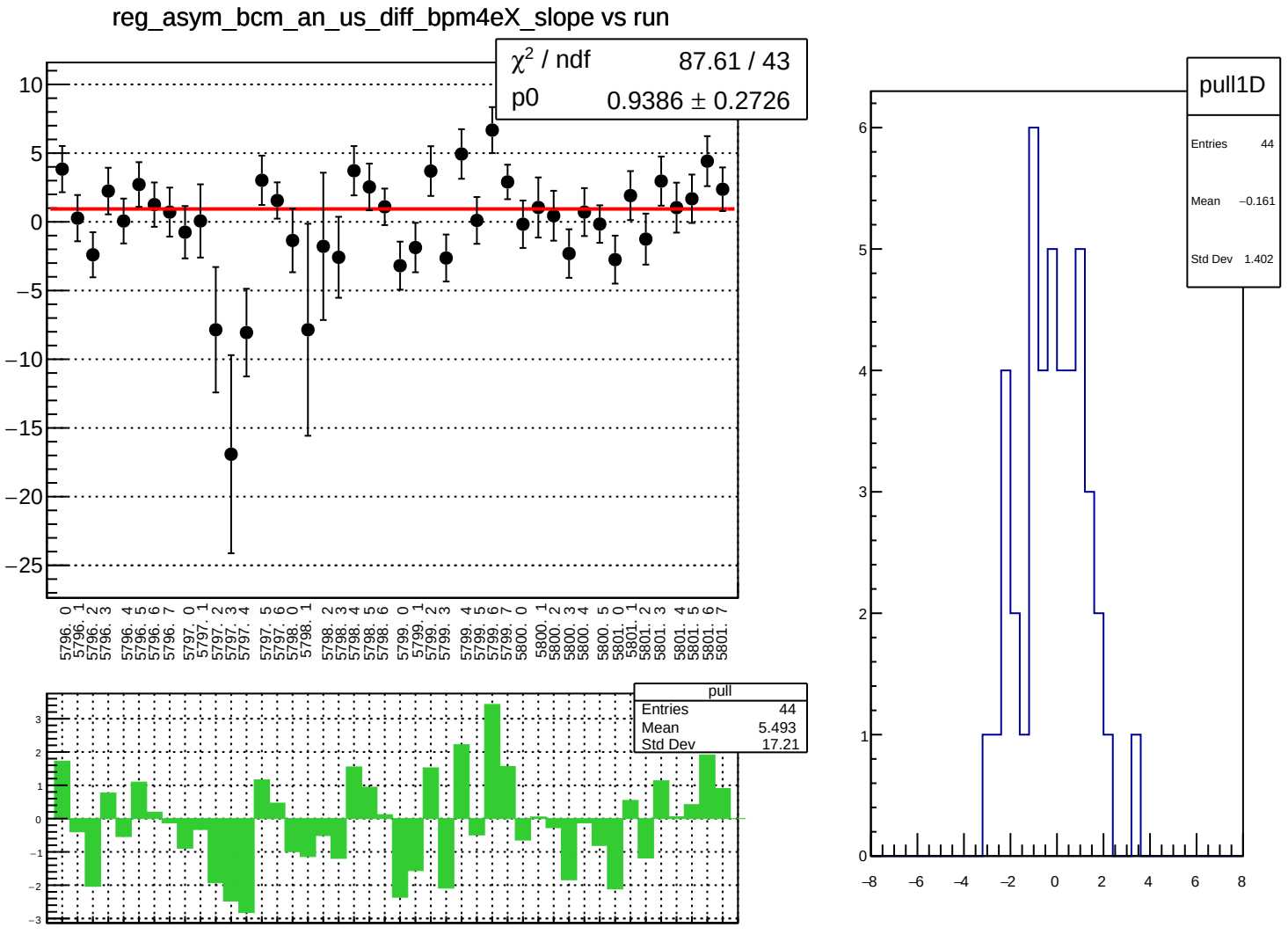

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 58.82 / 43
p0 −2.118 ± 0.1998
pull
Entries 44
Mean 49
Std Dev 24.98
pull1D
Entries 44
Mean −0.1374
Std Dev 1.148

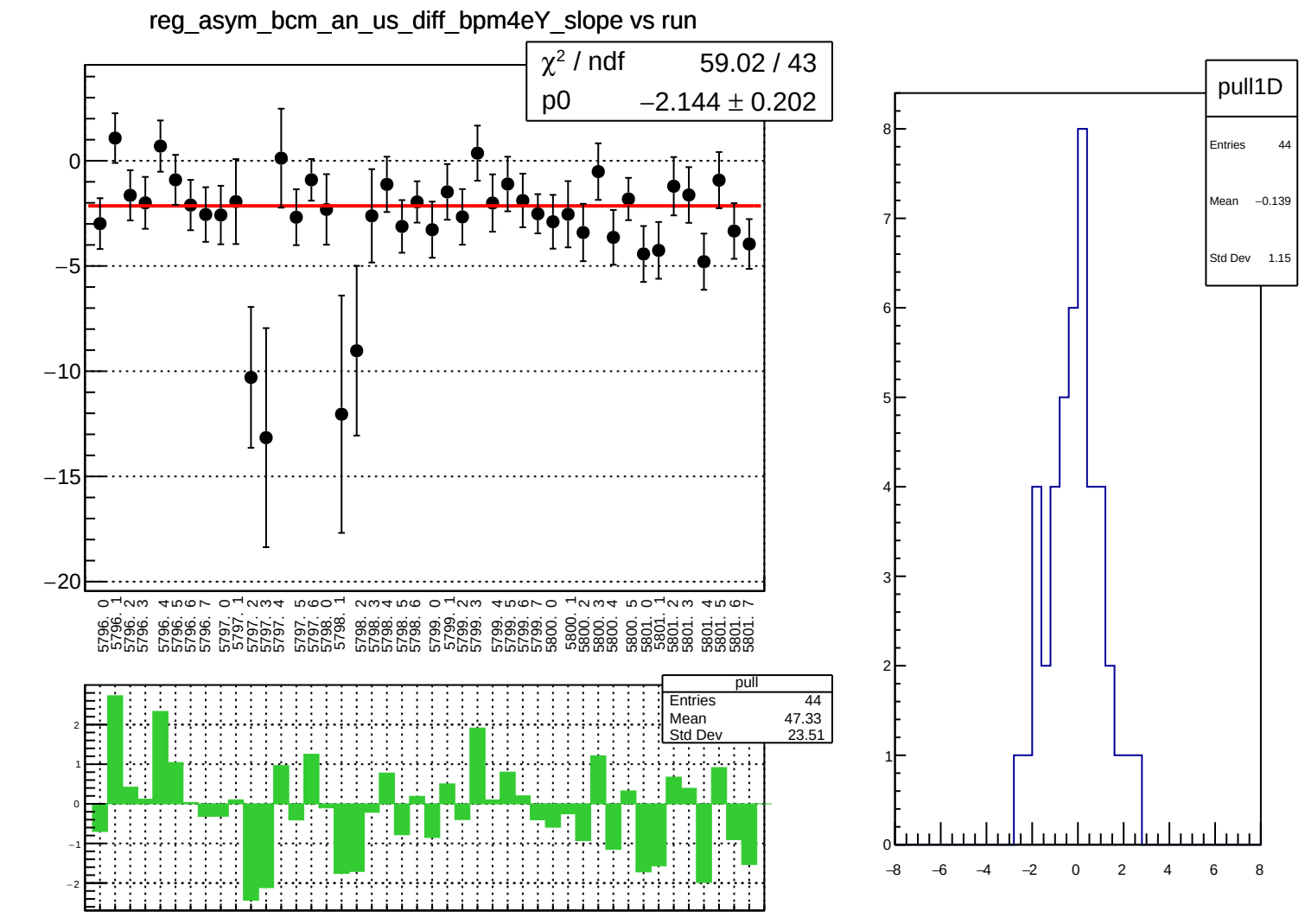

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 120.3 / 43
p0 0.2696 ± 0.01255
pull
Entries 44
Mean 17.35
Std Dev 6.131
pull1D
Entries 44
Mean 0.2896
Std Dev 1.628

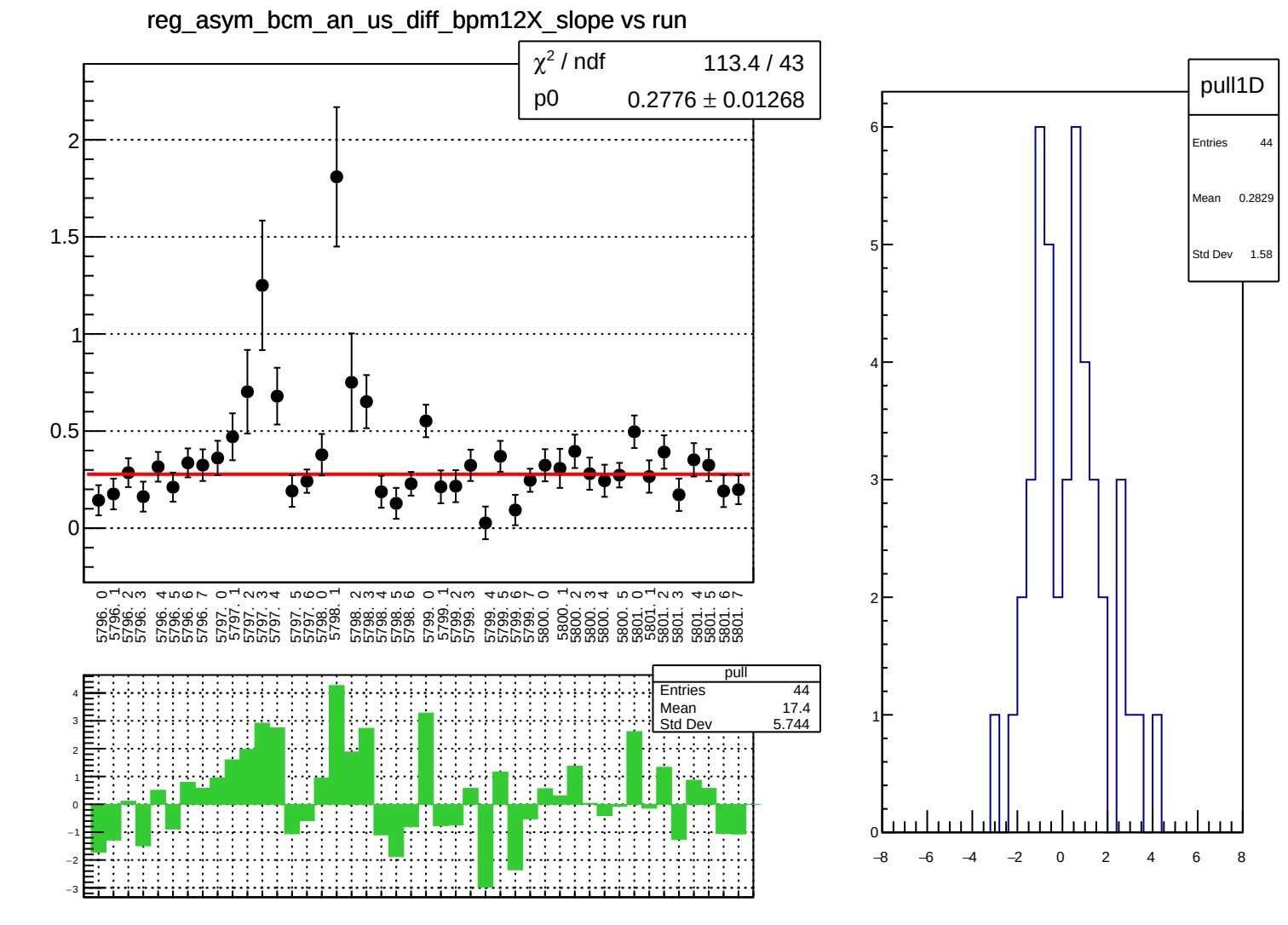

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 91.15 / 43
p0 −0.1309 ± 0.215
pull
Entries 44
Mean 6.488
Std Dev 16.27
pull1D
Entries 44
Mean 0.17
Std Dev 1.429

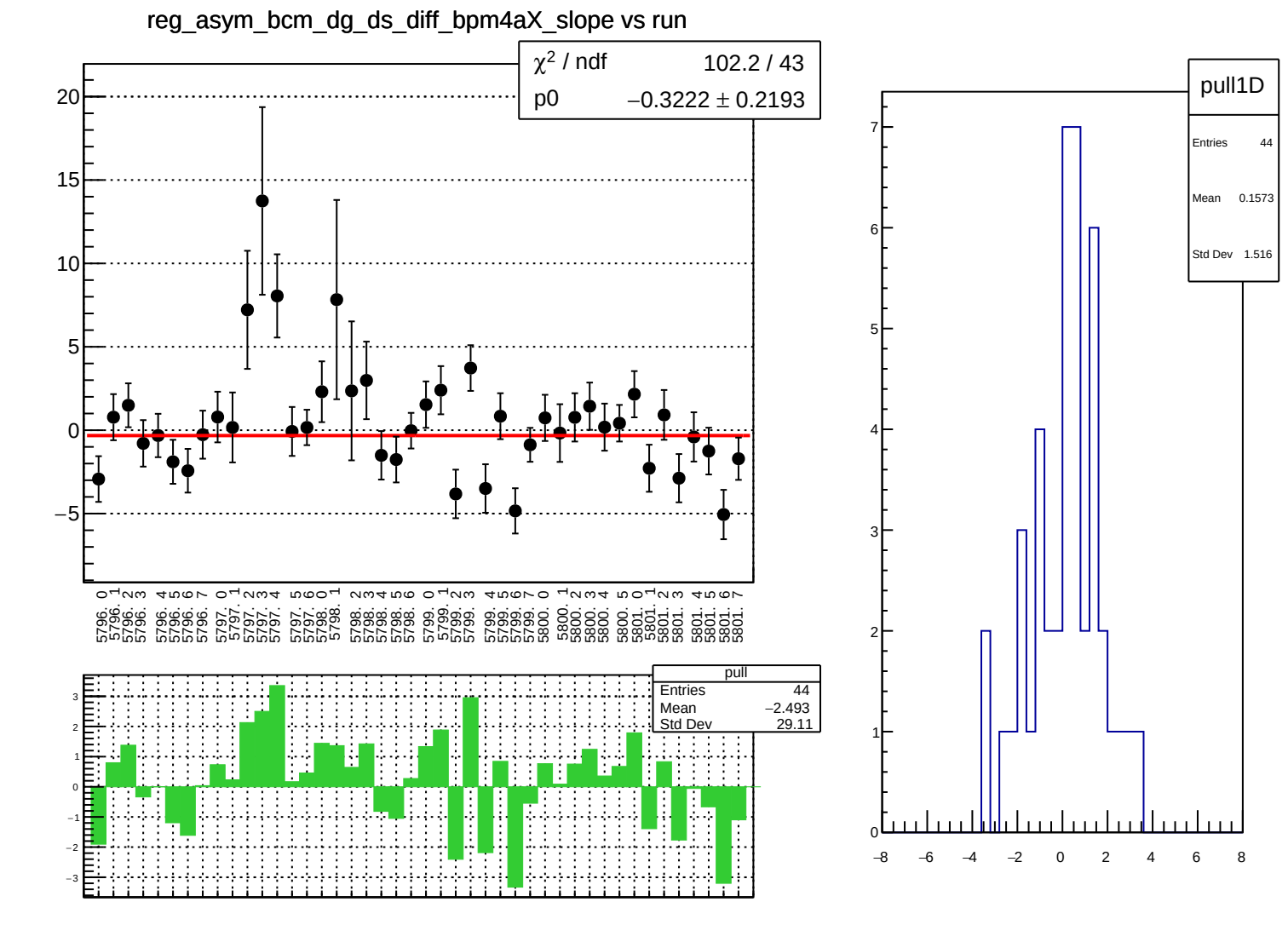

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 56.17 / 43
p0 1.586 ± 0.1853
pull
Entries 44
Mean 44.66
Std Dev 20.71

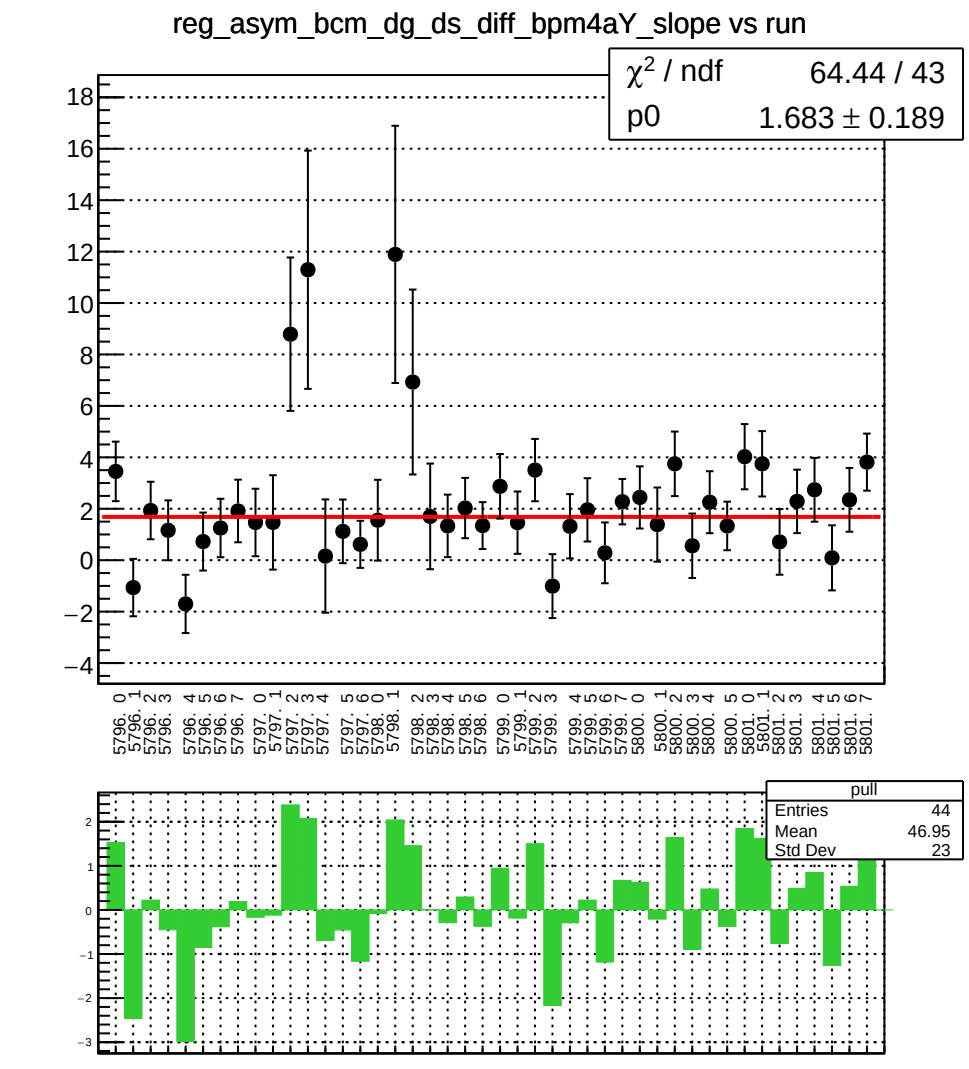

pull1D
Entries 44
Mean 0.1388
Std Dev 1.121

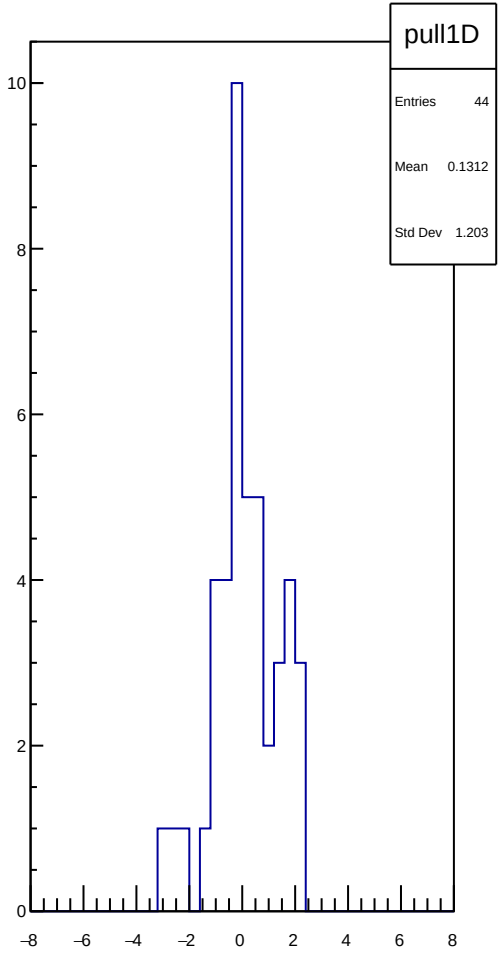

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 87.61 / 43
p0 0.9386 ± 0.2726
pull
Entries 44
Mean 5.493
Std Dev 17.21
pull1D
Entries 44
Mean −0.161
Std Dev 1.402

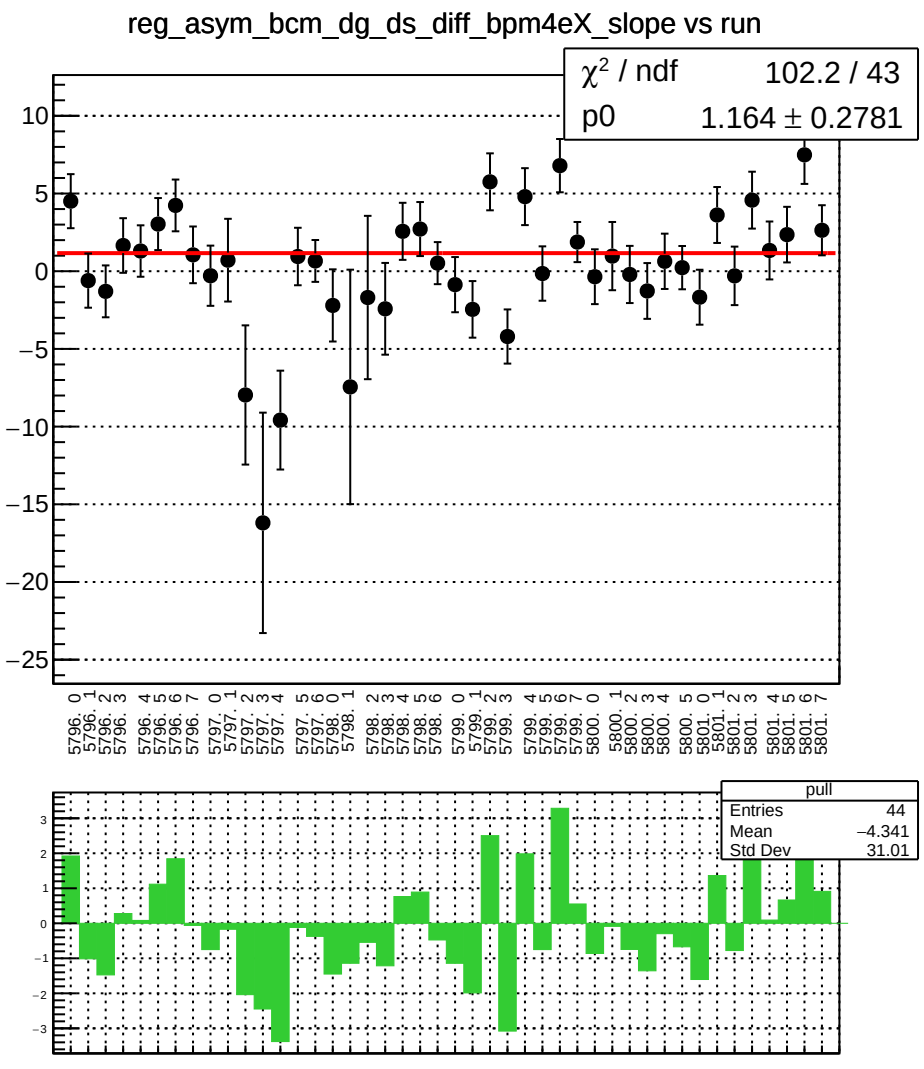

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 59.02 / 43
p0 −2.144 ± 0.202
pull
Entries 44
Mean 47.33
Std Dev 23.51
pull1D
Entries 44
Mean −0.139
Std Dev 1.15

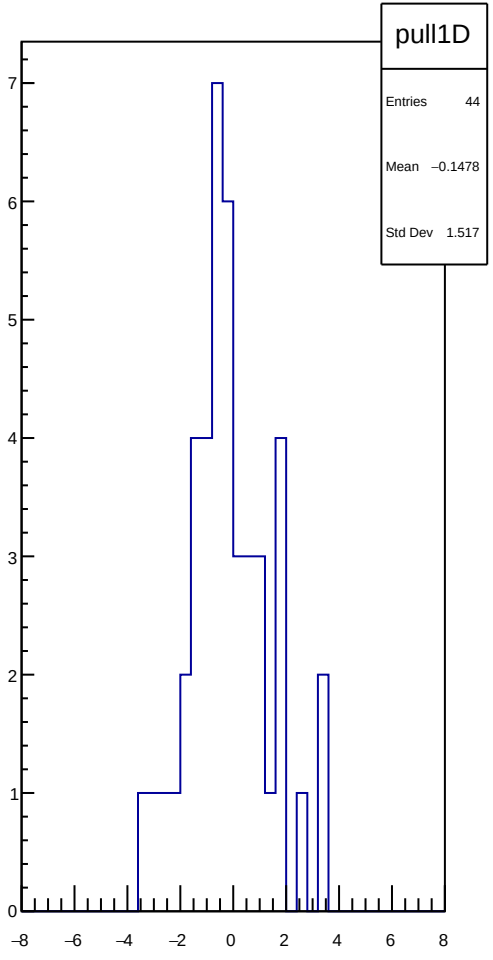

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 113.4 / 43
p0 0.2776 ± 0.01268
pull
Entries 44
Mean 17.4
Std Dev 5.744
pull1D
Entries 44
Mean 0.2829
Std Dev 1.58

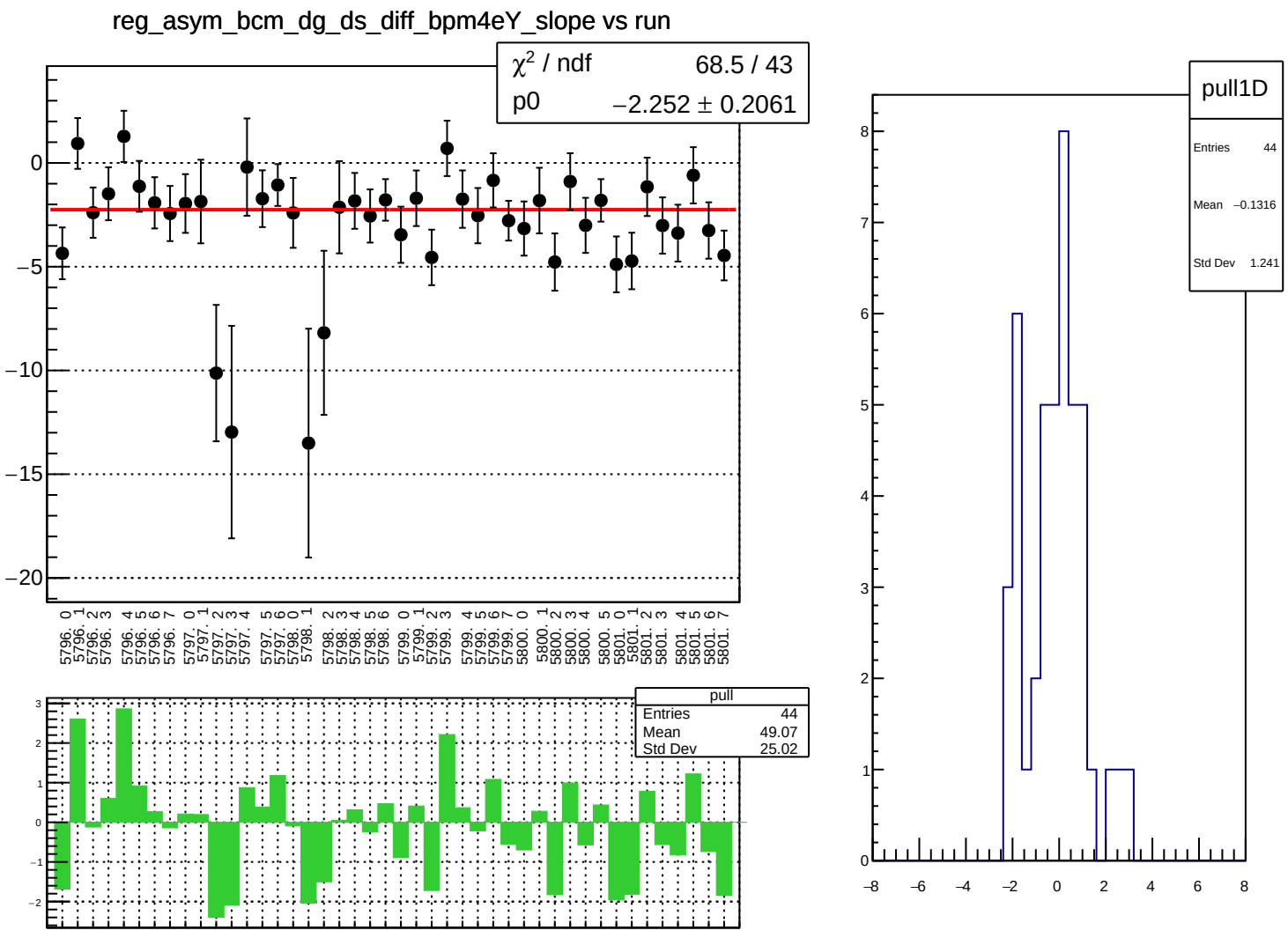

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 102.2 / 43
p0 −0.3222 ± 0.2193
pull
Entries 44
Mean −2.493
Std Dev 29.11
pull1D
Entries 44
Mean 0.1573
Std Dev 1.516

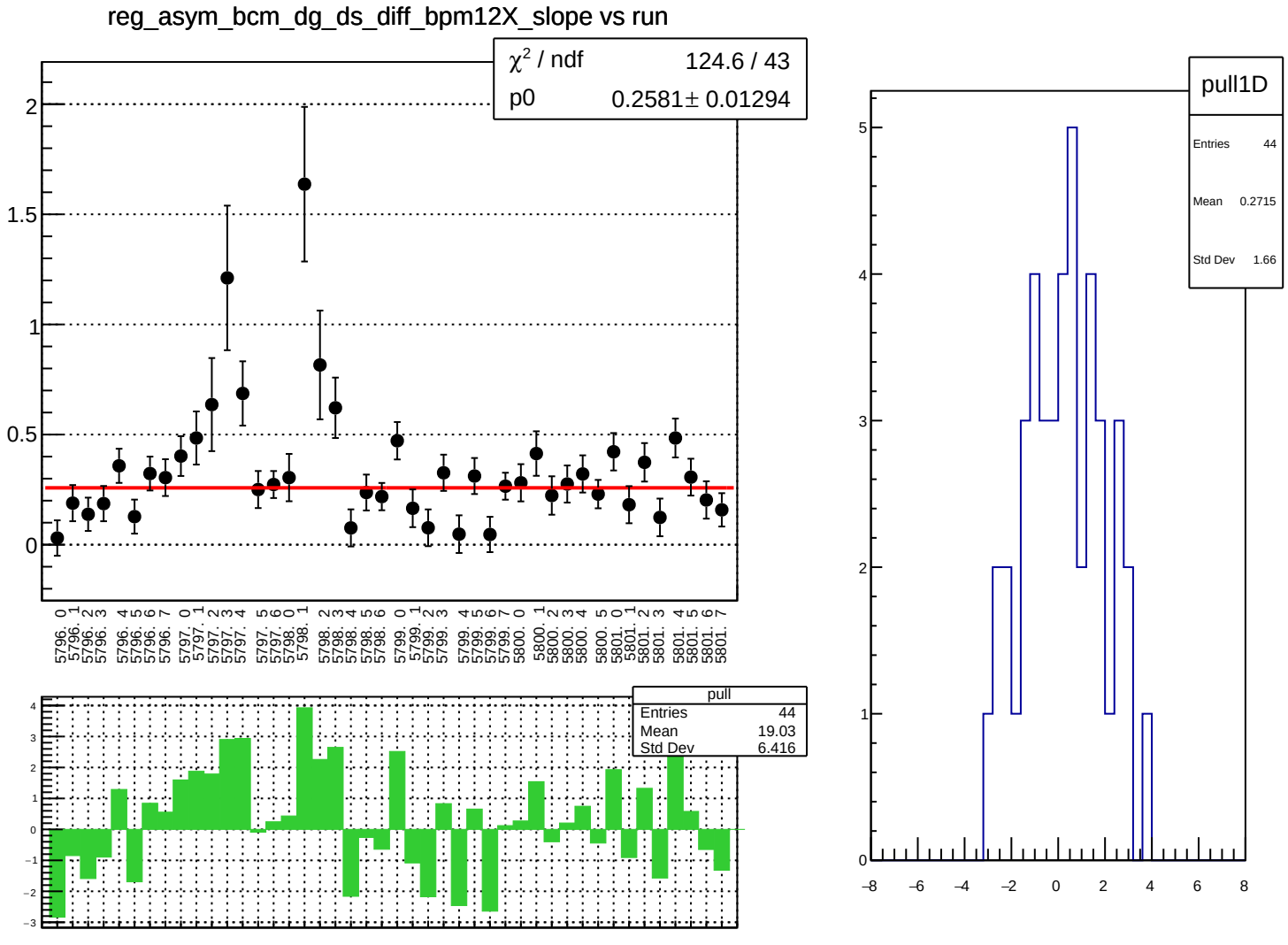

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 64.44 / 43
p0 1.683 ± 0.189
pull
Entries 44
Mean 46.95
Std Dev 23

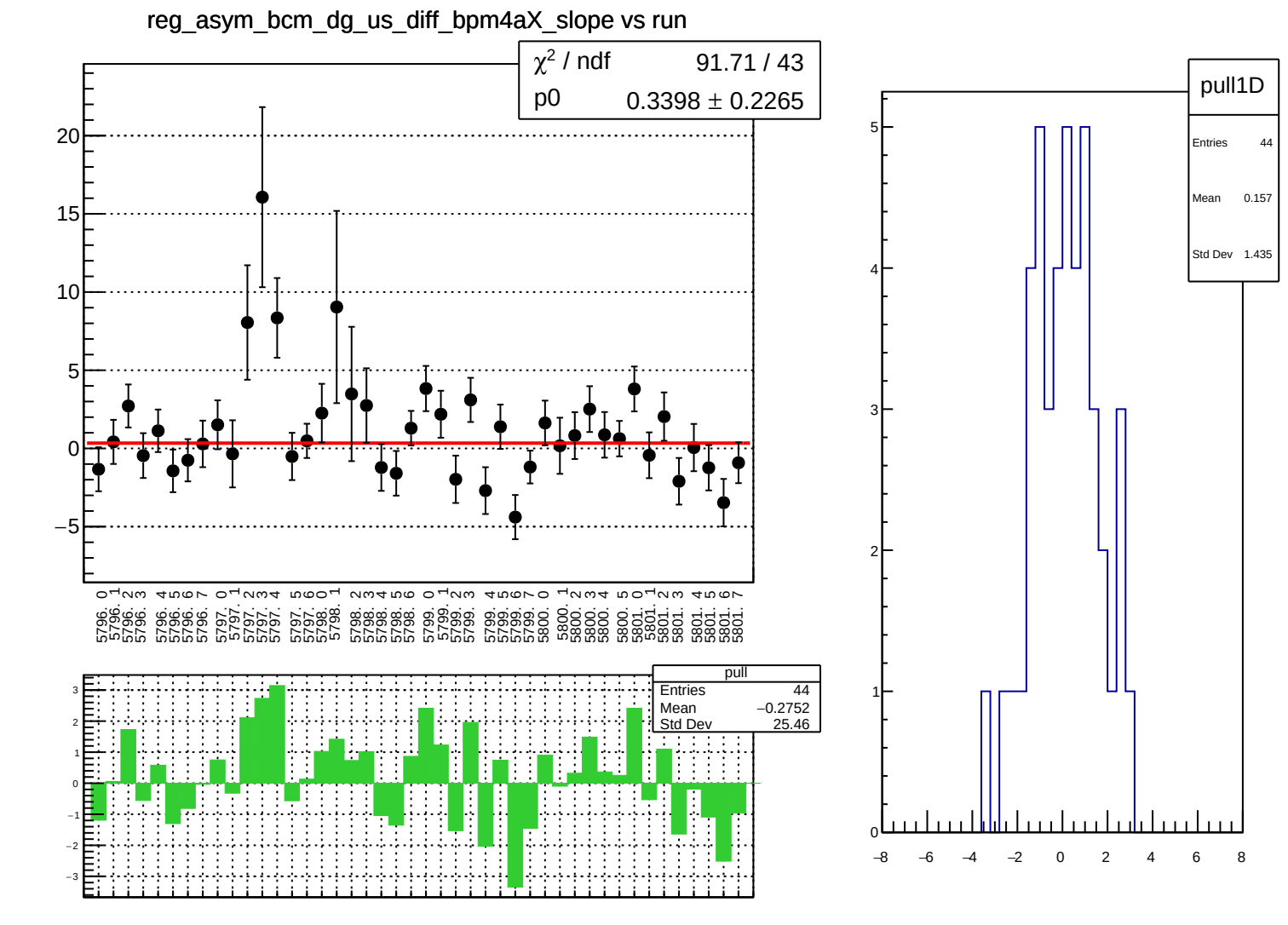

pull1D
Entries 44
Mean 0.1312
Std Dev 1.203

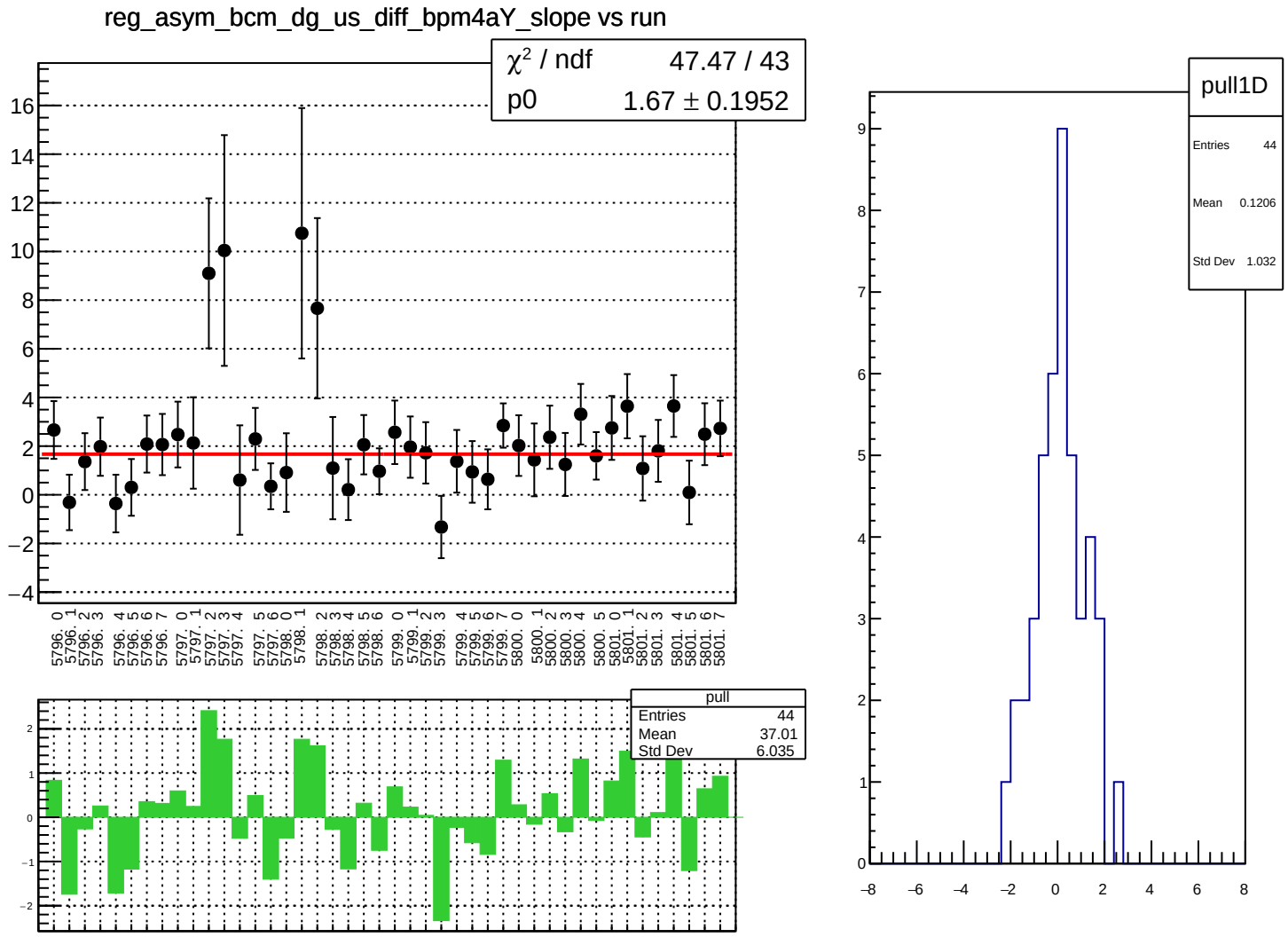

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 102.2 / 43
p0 1.164 ± 0.2781
pull
Entries 44
Mean −4.341
Std Dev 31.01

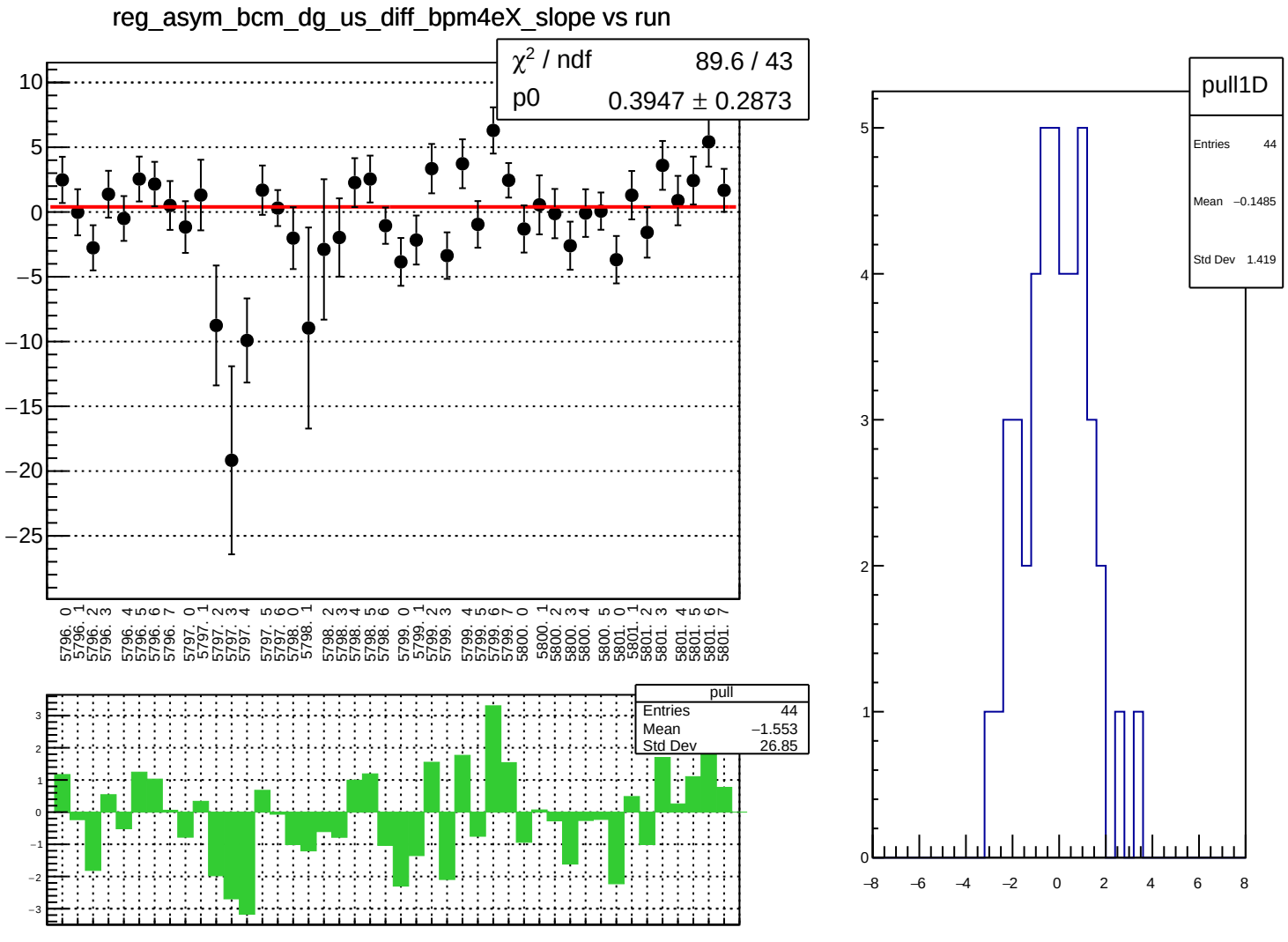

pull1D
Entries 44
Mean −0.1478
Std Dev 1.517

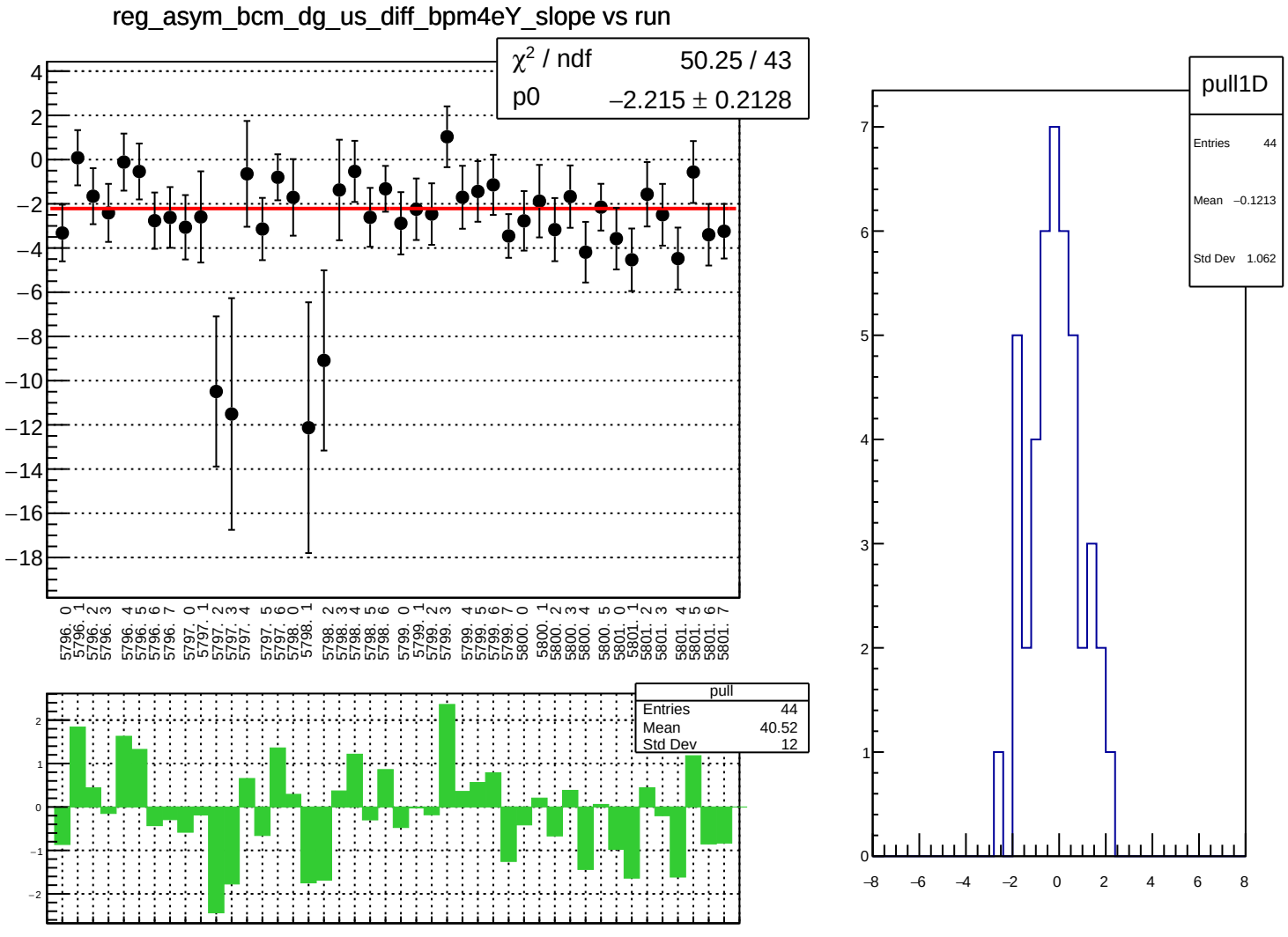

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 68.5 / 43
p0 −2.252 ± 0.2061
pull
Entries 44
Mean 49.07
Std Dev 25.02
pull1D
Entries 44
Mean −0.1316
Std Dev 1.241

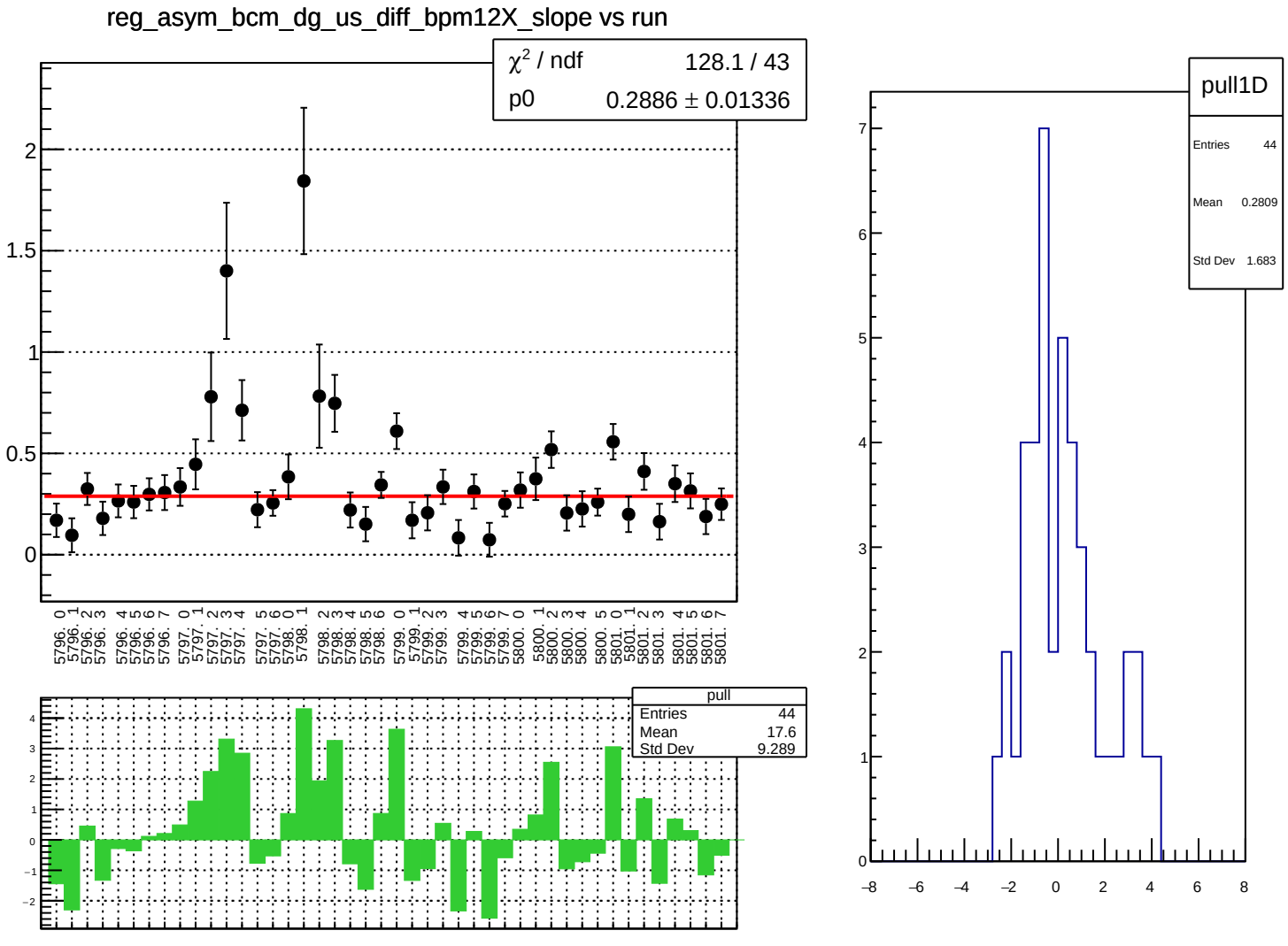

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 124.6 / 43
p0 0.2581± 0.01294
pull
Entries 44
Mean 19.03
Std Dev 6.416
pull1D
Entries 44
Mean 0.2715
Std Dev 1.66


reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 91.71 / 43
p0 0.3398 ± 0.2265
pull
Entries 44
Mean −0.2752
Std Dev 25.46
pull1D
Entries 44
Mean 0.157
Std Dev 1.435


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 47.47 / 43
p0 1.67 ± 0.1952
pull
Entries 44
Mean 37.01
Std Dev 6.035
pull1D
Entries 44
Mean 0.1206
Std Dev 1.032


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 89.6 / 43
p0 0.3947 ± 0.2873
pull
Entries 44
Mean −1.553
Std Dev 26.85
pull1D
Entries 44
Mean −0.1485
Std Dev 1.419


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 50.25 / 43
p0 −2.215 ± 0.2128
pull
Entries 44
Mean 40.52
Std Dev 12
pull1D
Entries 44
Mean −0.1213
Std Dev 1.062


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 128.1 / 43
p0 0.2886 ± 0.01336
pull
Entries 44
Mean 17.6
Std Dev 9.289
pull1D
Entries 44
Mean 0.2809
Std Dev 1.683