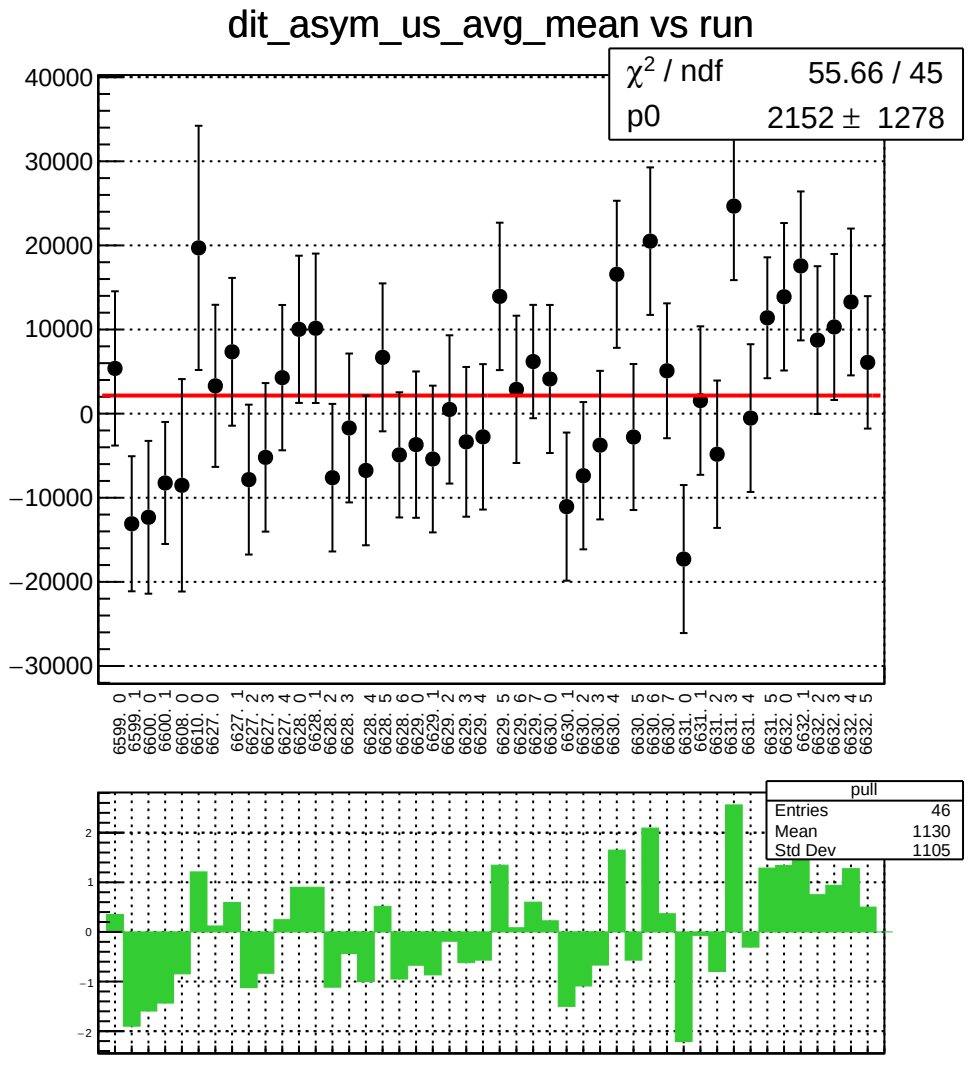
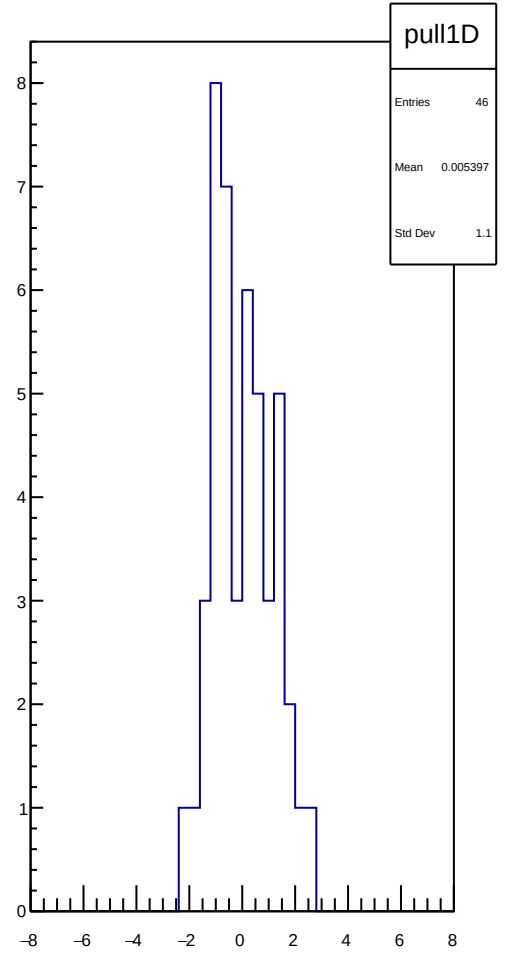
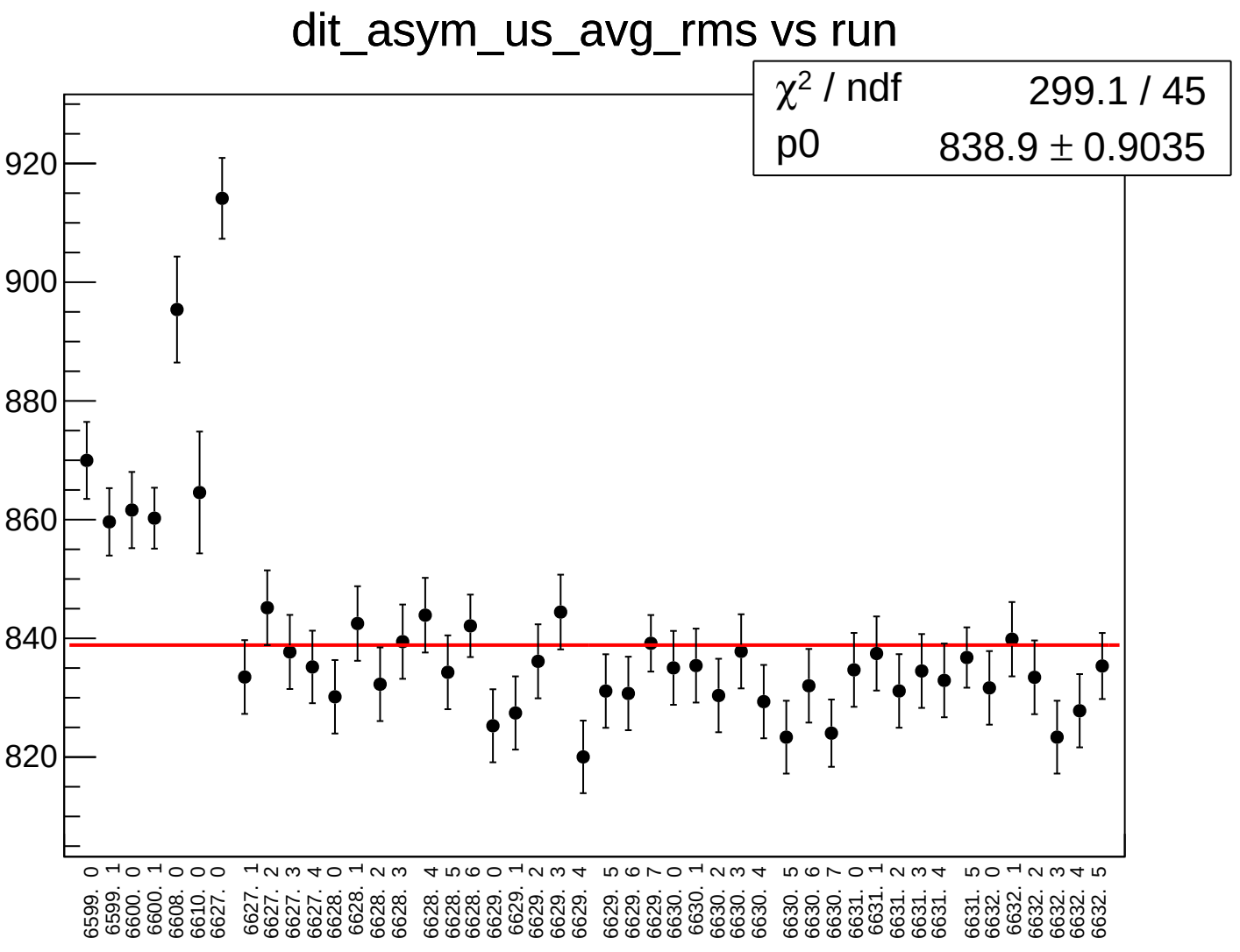
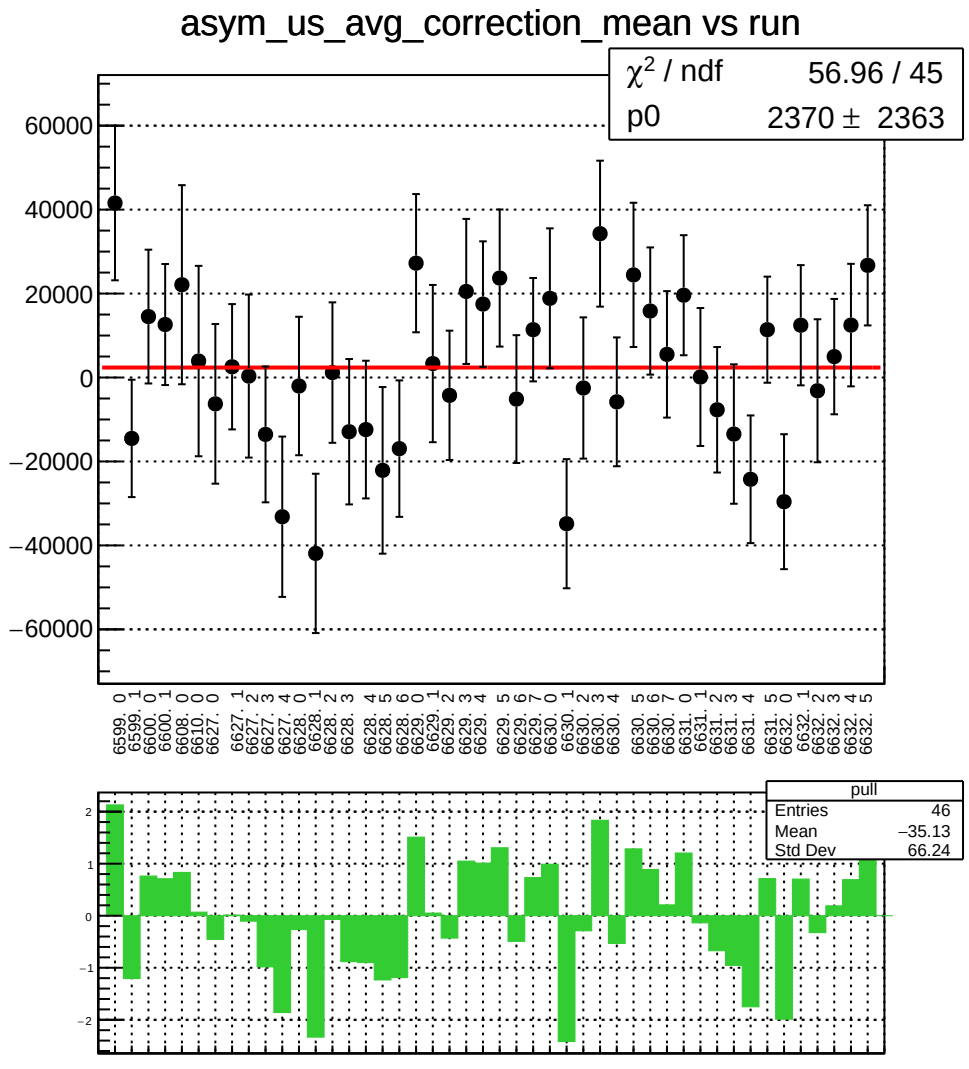
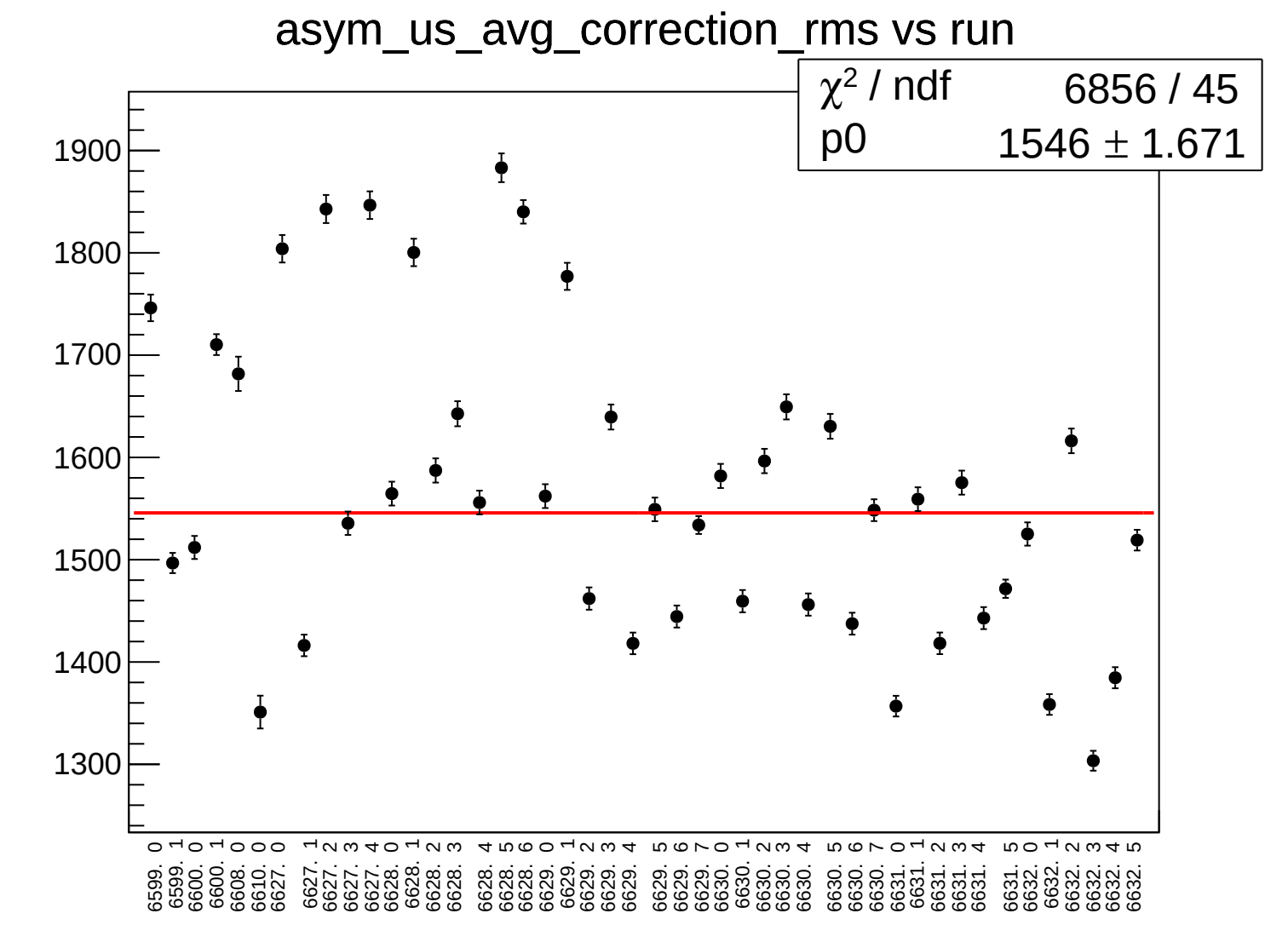
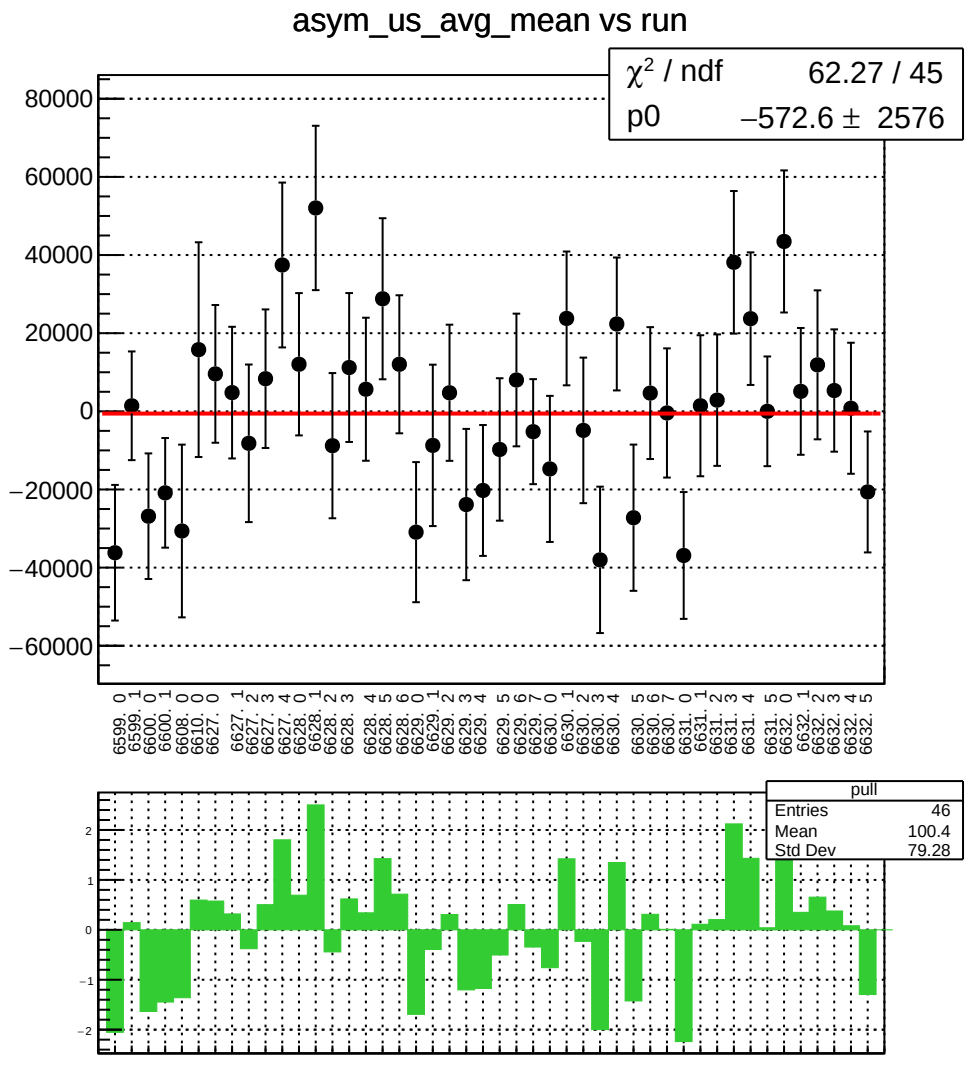

dit_asym_us_avg_mean vs run
χ² / ndf 55.66 / 45
p0 2152 ± 1278
40000
30000
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 1130
Std Dev 1105
2
1
0
−1
−2

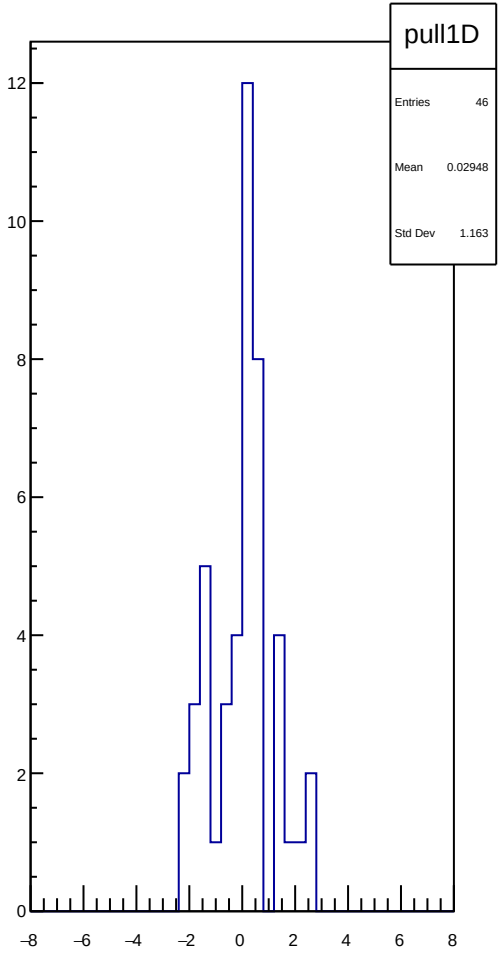

pull1D
Entries 46
Mean 0.005397
Std Dev 1.1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

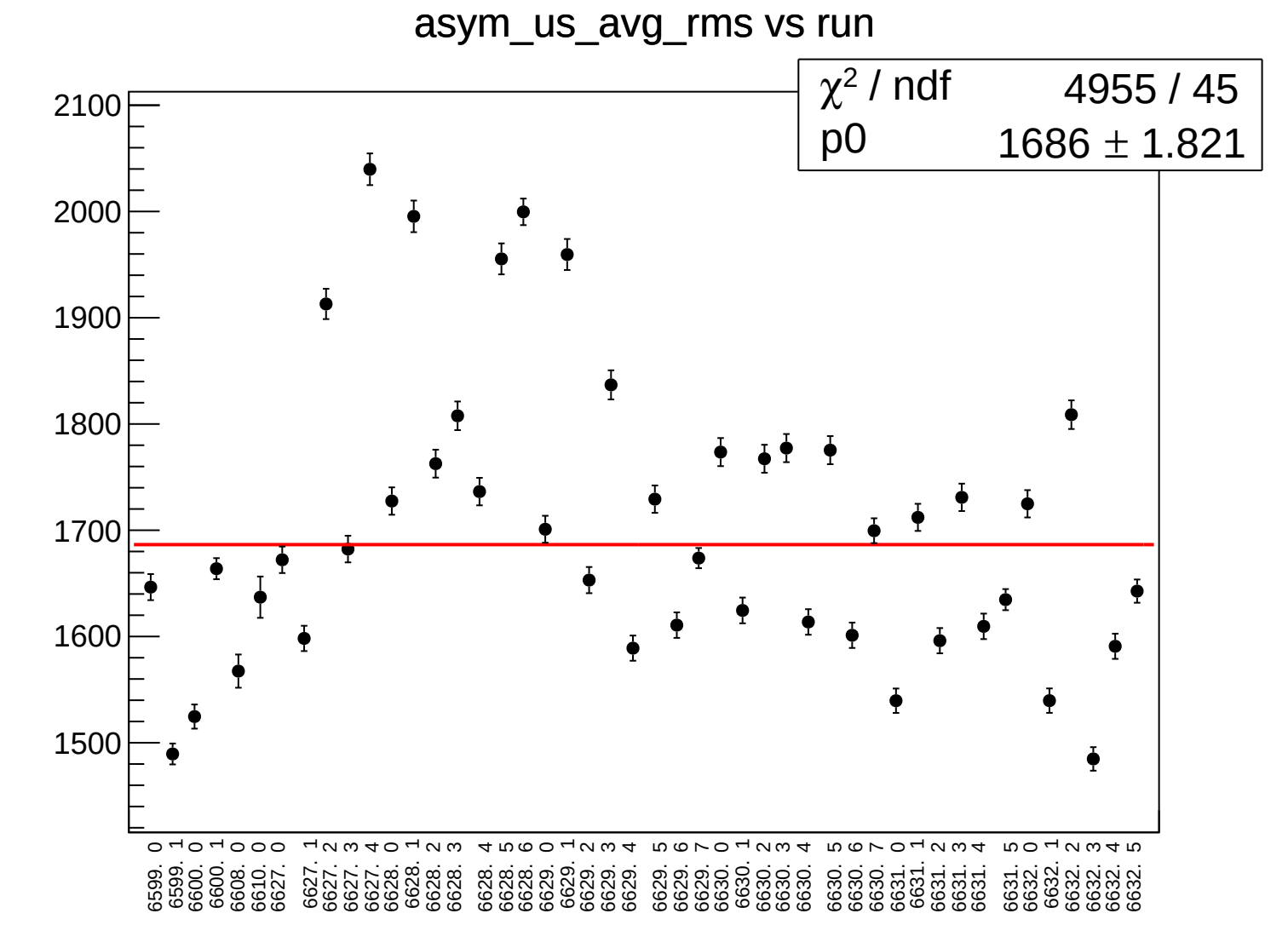

dit_asym_us_avg_rms vs run
χ² / ndf 299.1 / 45
p0 838.9 ± 0.9035
920
900
880
860
840
820
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

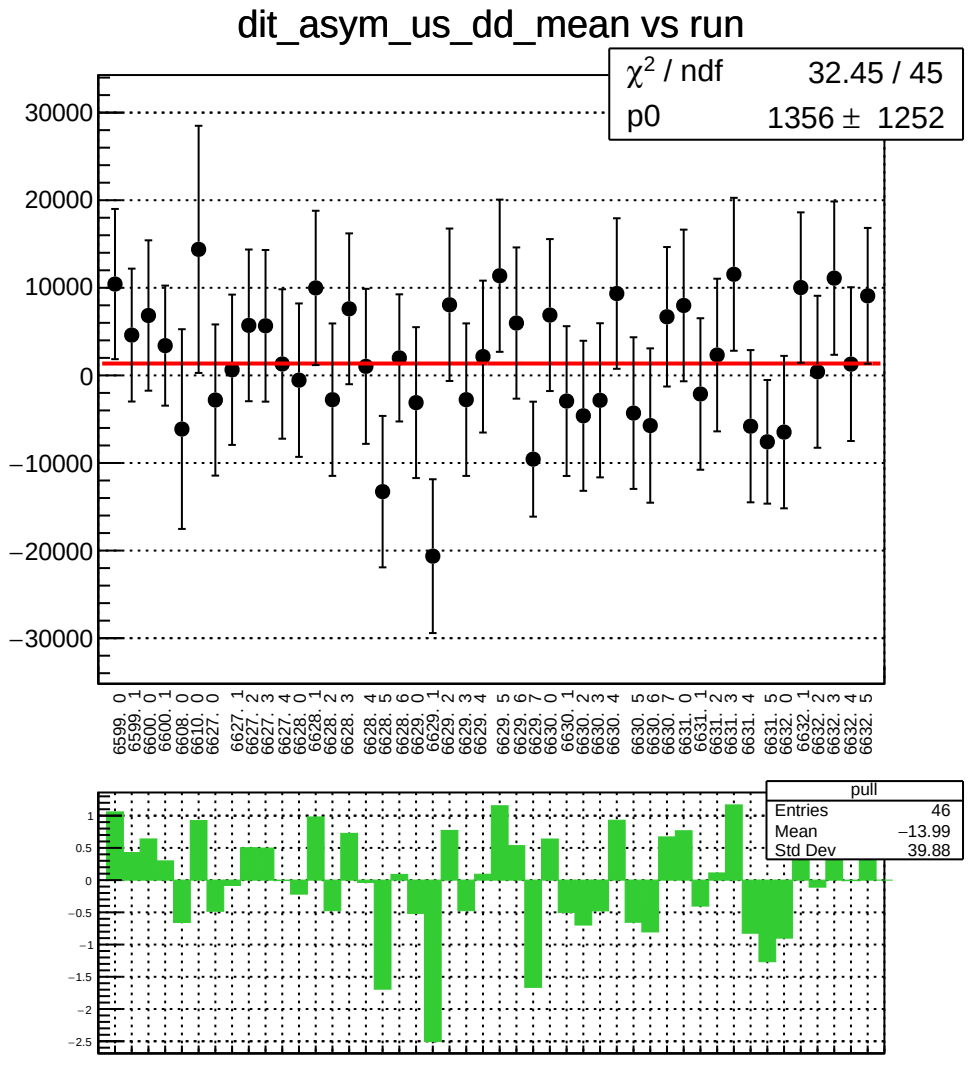

asym_us_avg_correction_mean vs run
χ² / ndf 56.96 / 45
p0 2370 ± 2363
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −35.13
Std Dev 66.24
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01926
Std Dev 1.113
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

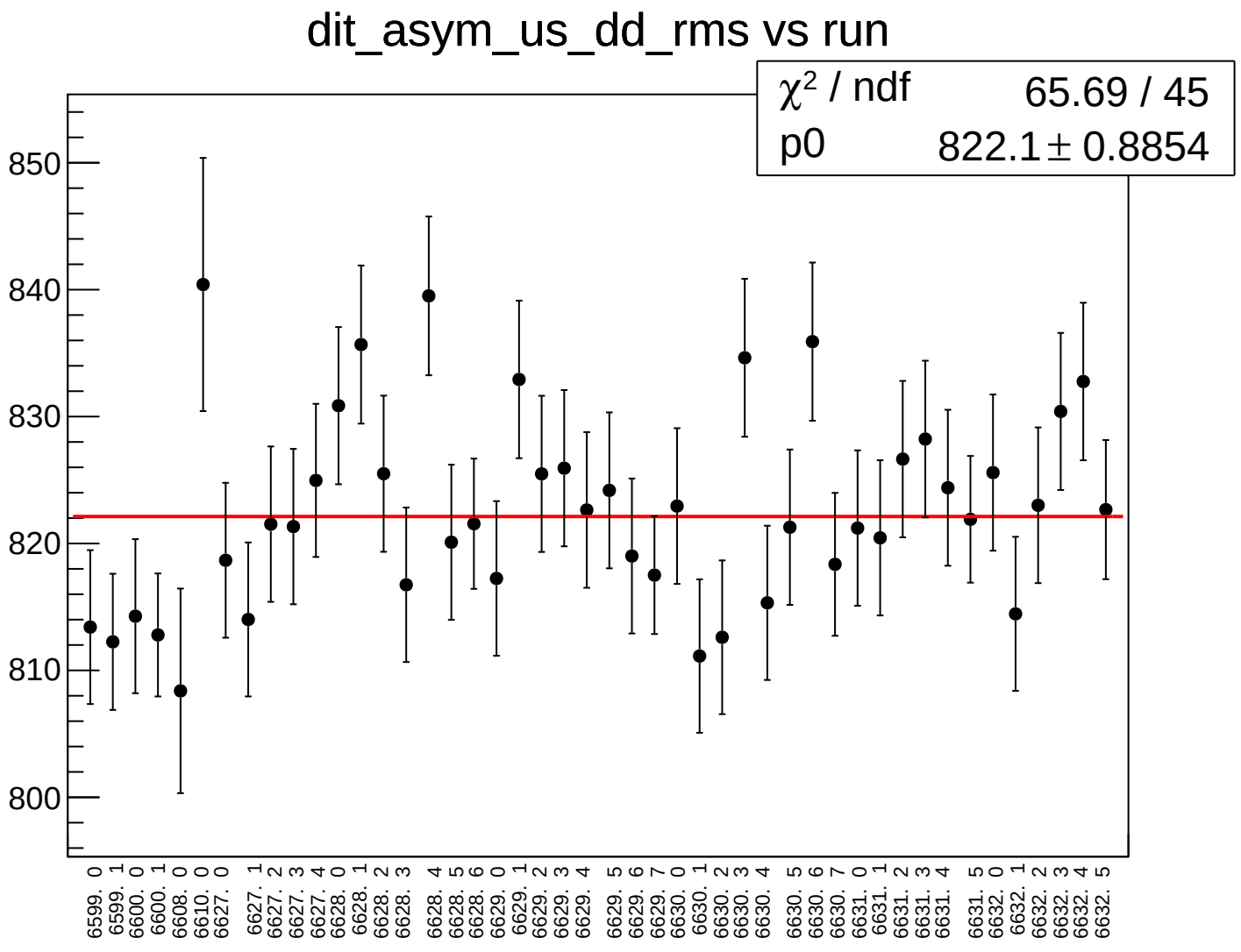

asym_us_avg_correction_rms vs run
χ² / ndf 6856 / 45
p0 1546 ± 1.671
1900
1800
1700
1600
1500
1400
1300
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

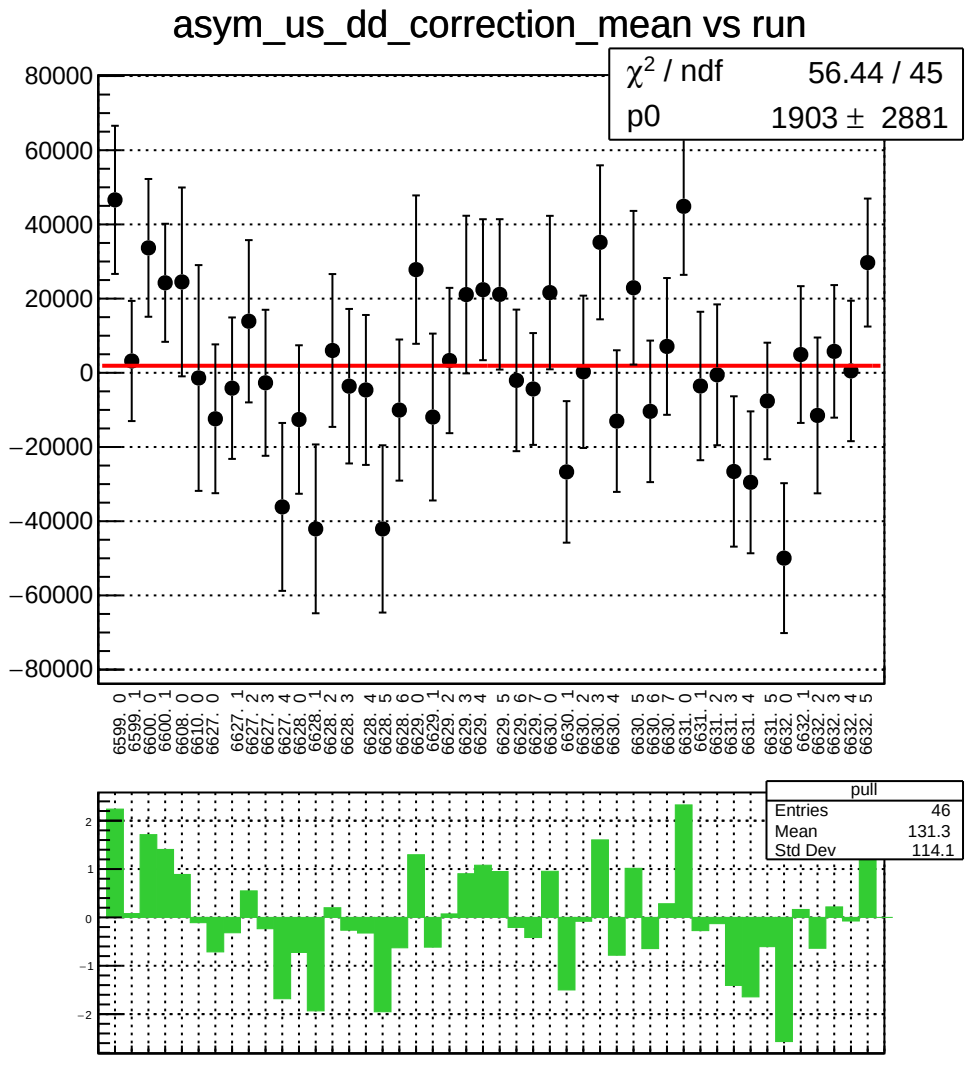

asym_us_avg_mean vs run
χ² / ndf 62.27 / 45
p0 −572.6 ± 2576
80000
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 100.4
Std Dev 79.28
2
1
0
−1
−2

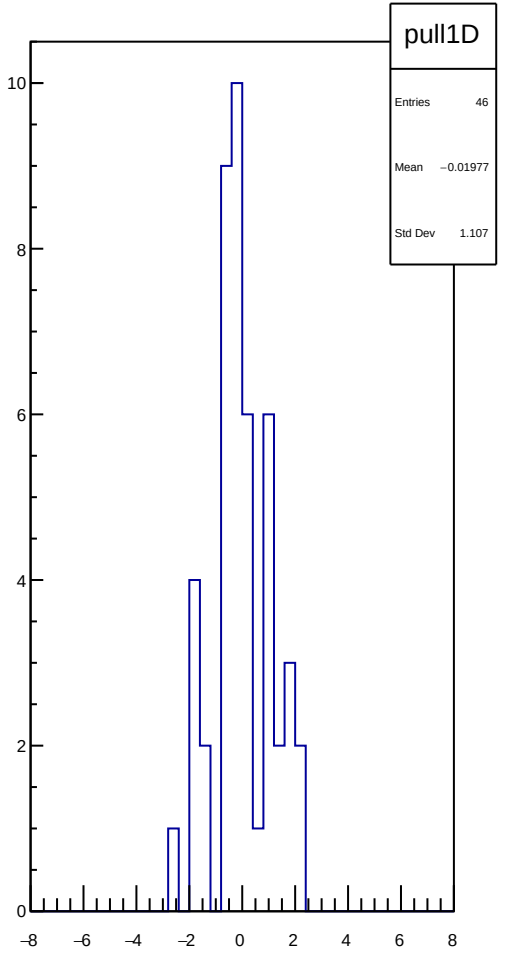

pull1D
Entries 46
Mean 0.02948
Std Dev 1.163
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

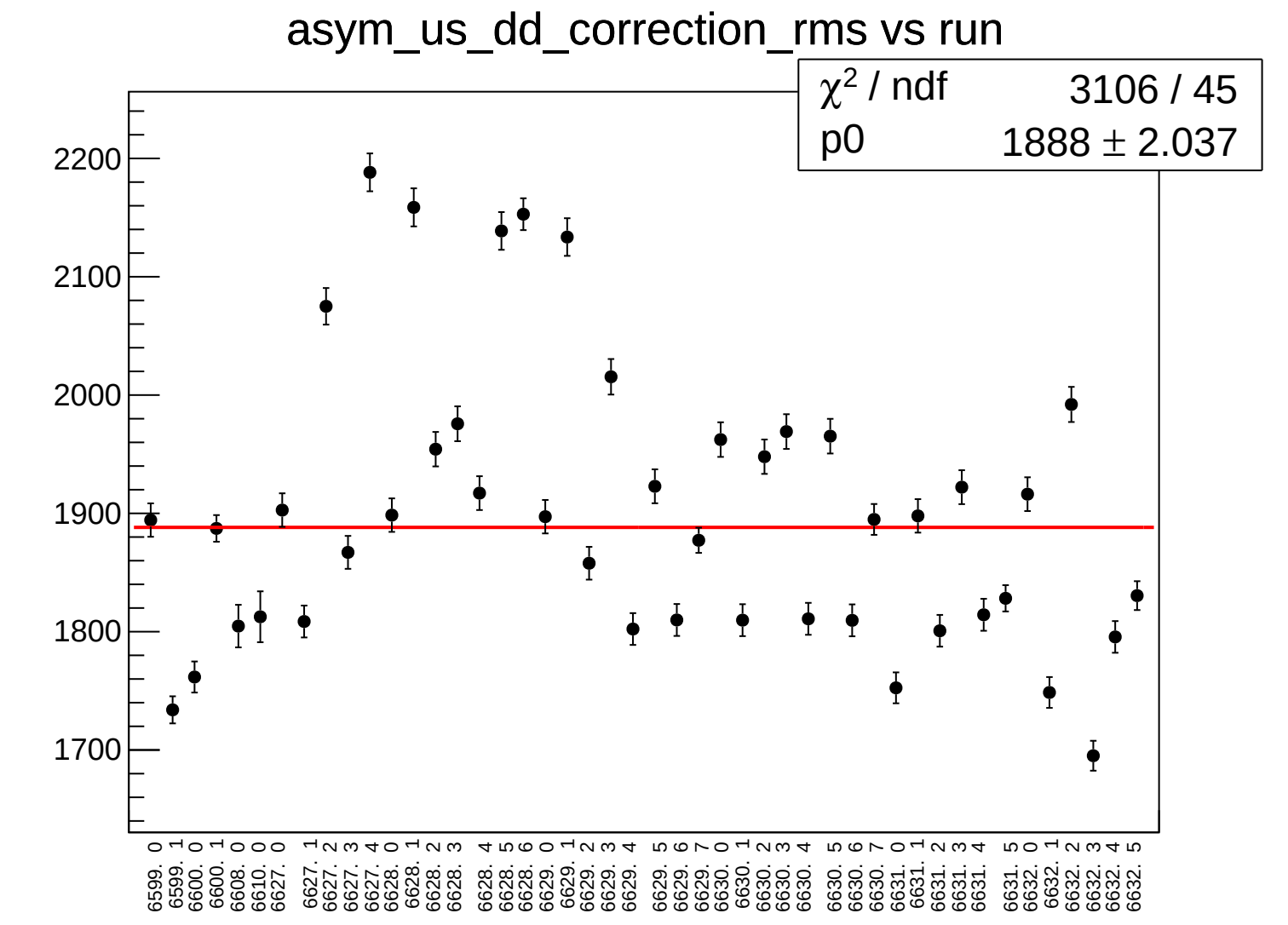

asym_us_avg_rms vs run
χ^2 / ndf 4955 / 45
p0 1686 ± 1.821
2100
2000
1900
1800
1700
1600
1500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

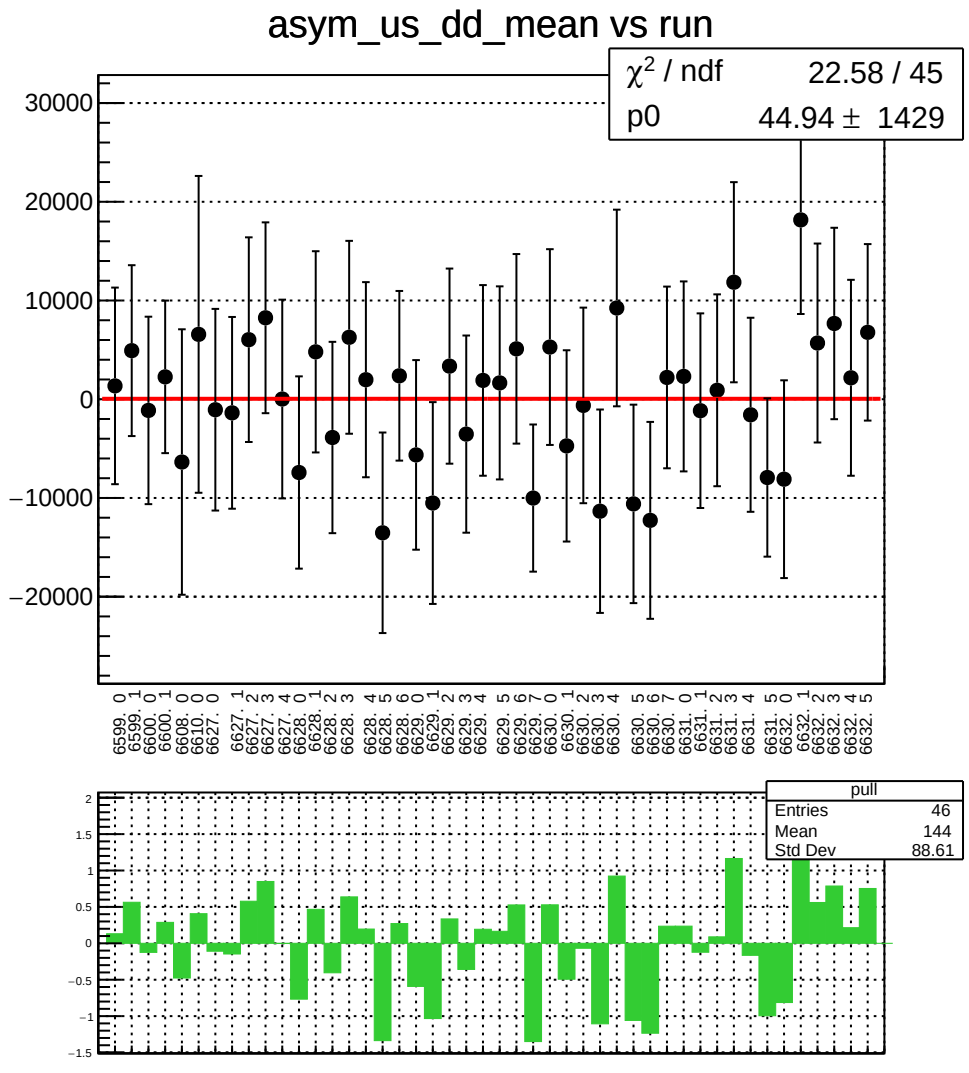

dit_asym_us_dd_mean vs run
χ² / ndf 32.45 / 45
p0 1356 ± 1252
30000
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −13.99
Std Dev 39.88
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean 0.01405
Std Dev 0.8398
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

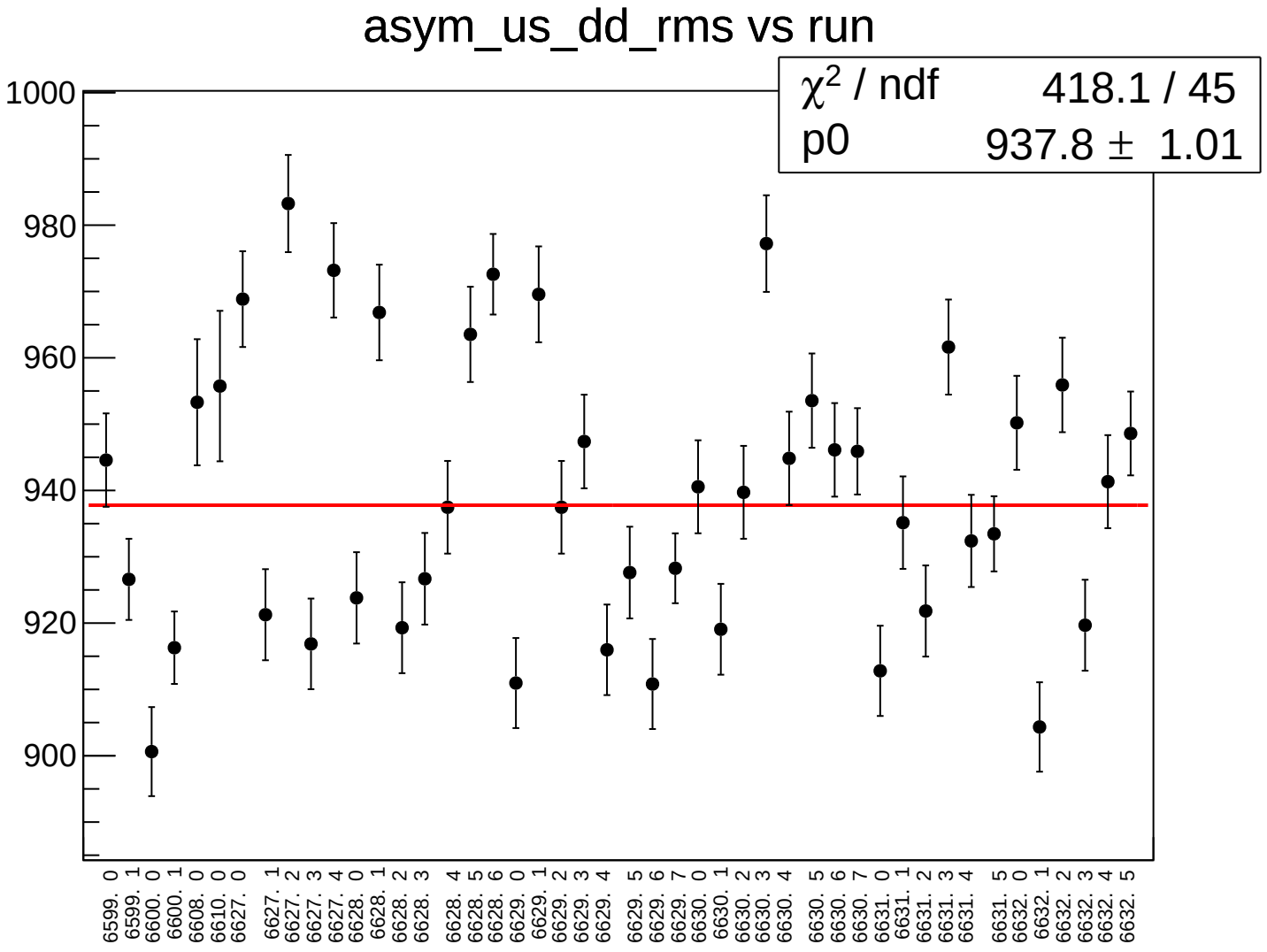

dit_asym_us_dd_rms vs run
χ² / ndf 65.69 / 45
p0 822.1 ± 0.8854
850
840
830
820
810
800
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

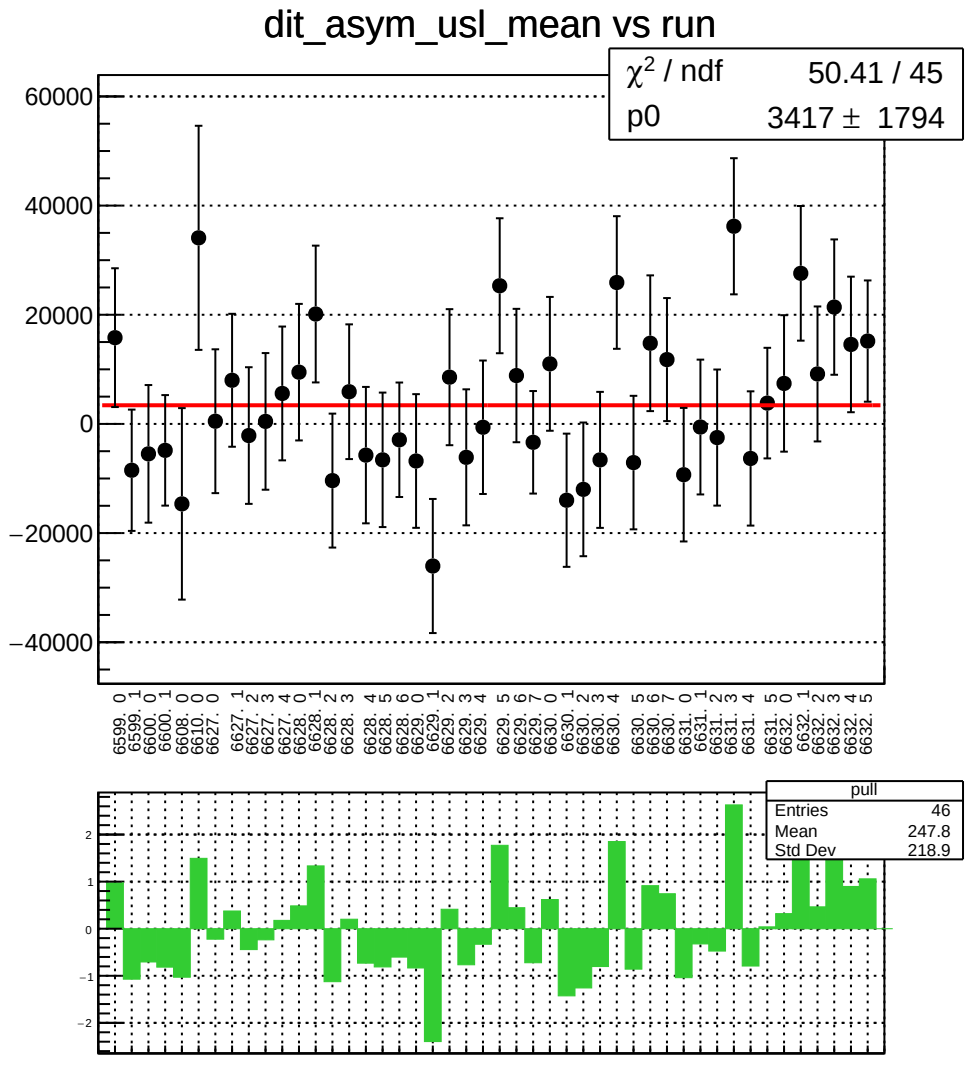

asym_us_dd_correction_mean vs run
χ² / ndf 56.44 / 45
p0 1903 ± 2881
pull
Entries 46
Mean 131.3
Std Dev 114.1

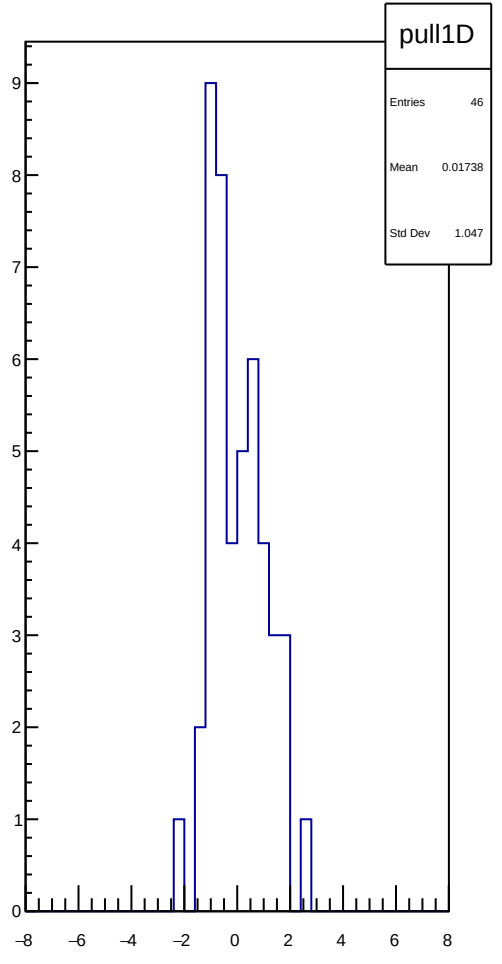

pull1D
Entries 46
Mean −0.01977
Std Dev 1.107

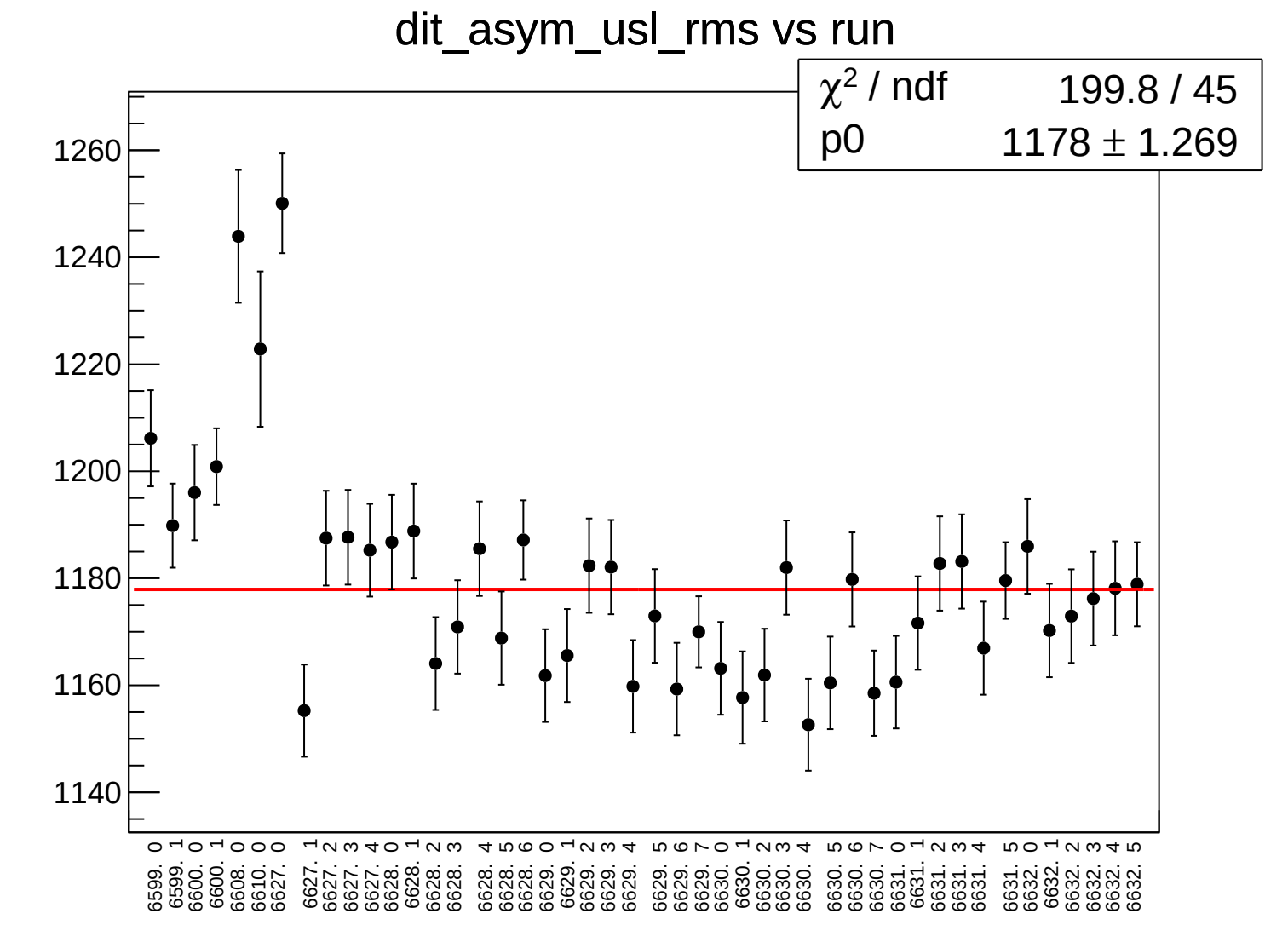

asym_us_dd_correction_rms vs run
χ² / ndf 3106 / 45
p0 1888 ± 2.037
2200
2100
2000
1900
1800
1700
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

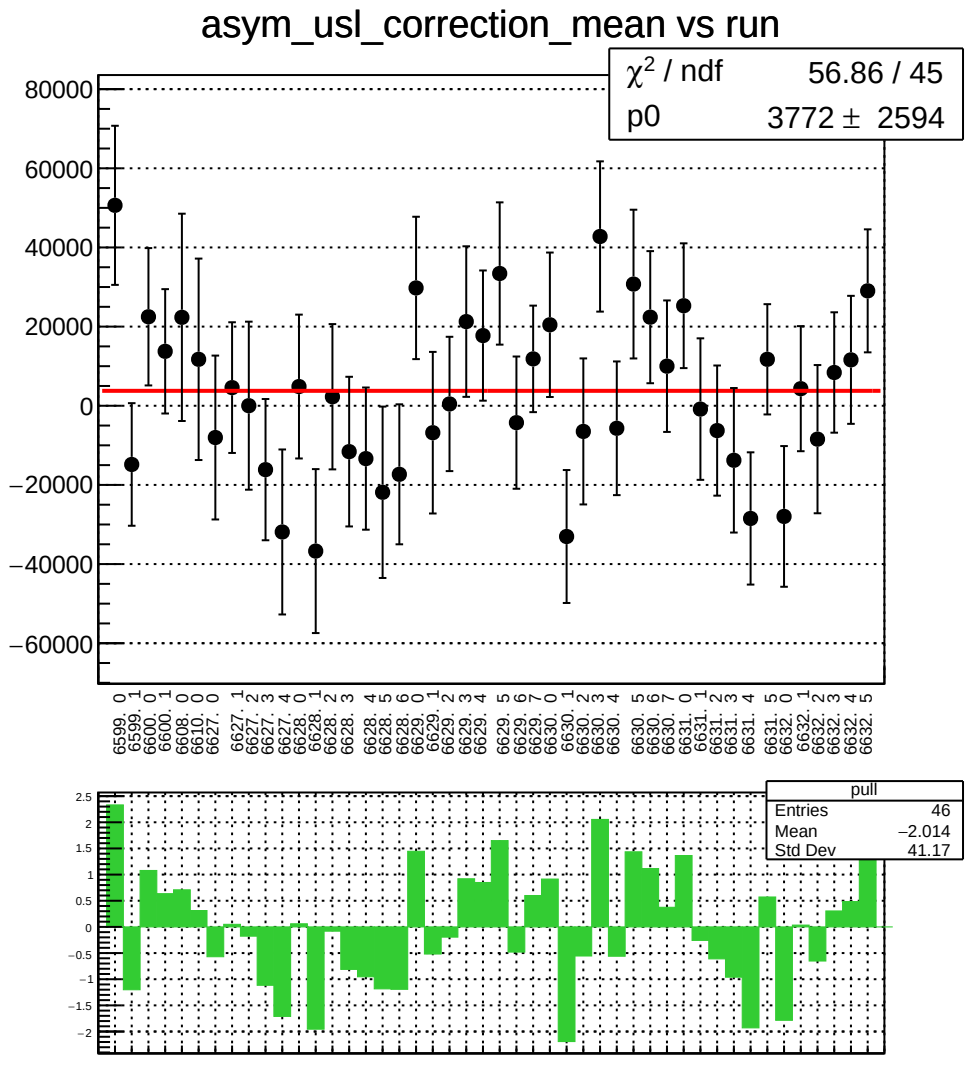

asym_us_dd_mean vs run
χ² / ndf 22.58 / 45
p0 44.94 ± 1429
30000
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 144
Std Dev 88.61
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.005364
Std Dev 0.7006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

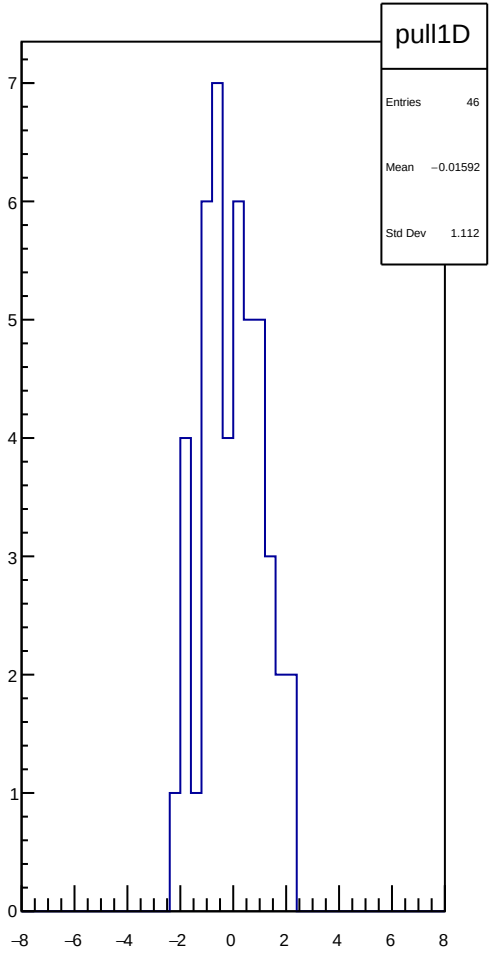

asym_us_dd_rms vs run
χ² / ndf 418.1 / 45
p0 937.8 ± 1.01
1000
980
960
940
920
900
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

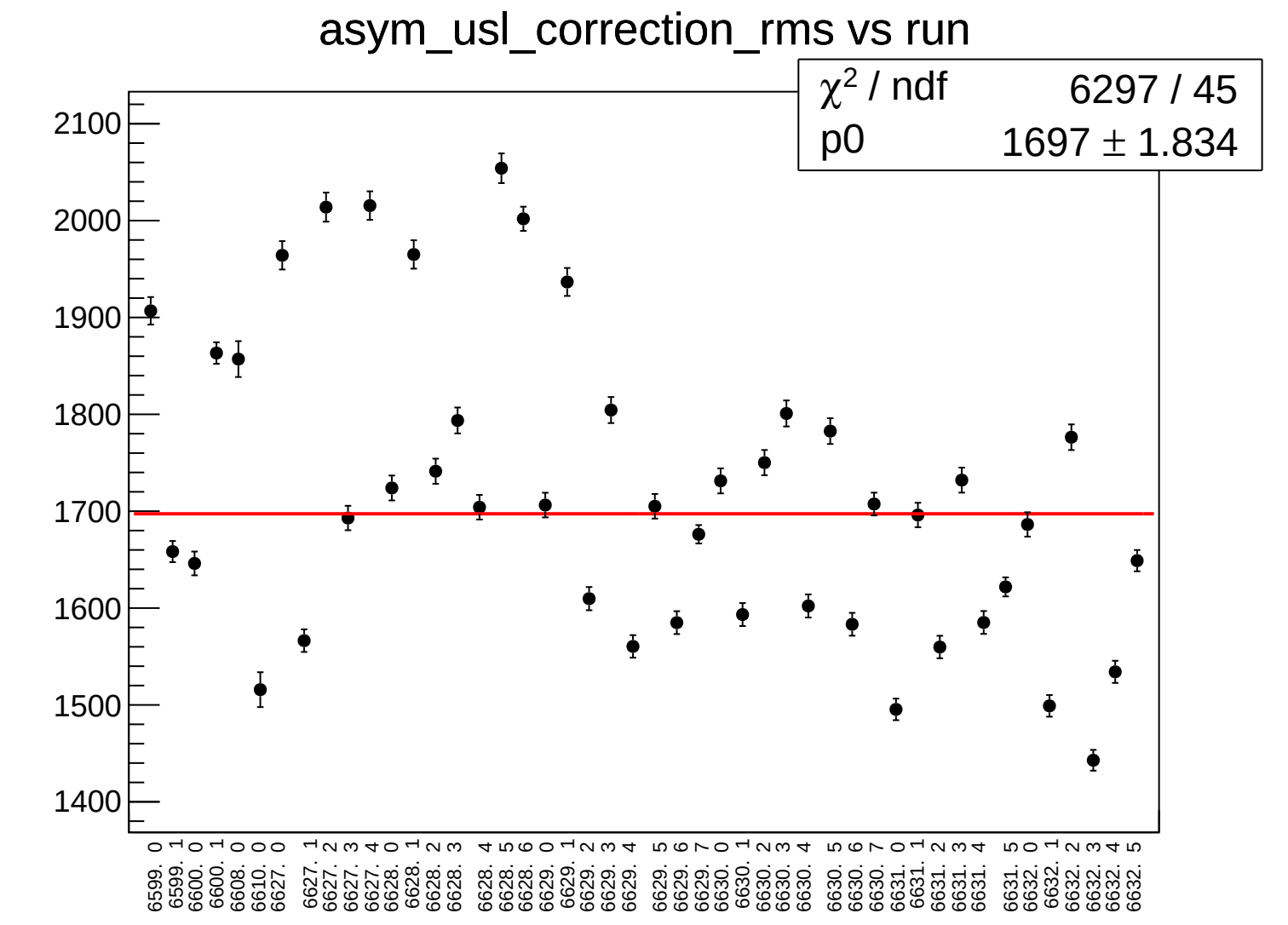

dit_asym_usl_mean vs run
χ² / ndf 50.41 / 45
p0 3417 ± 1794
60000
40000
20000
0
−20000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 247.8
Std Dev 218.9
2
1
0
−1
−2

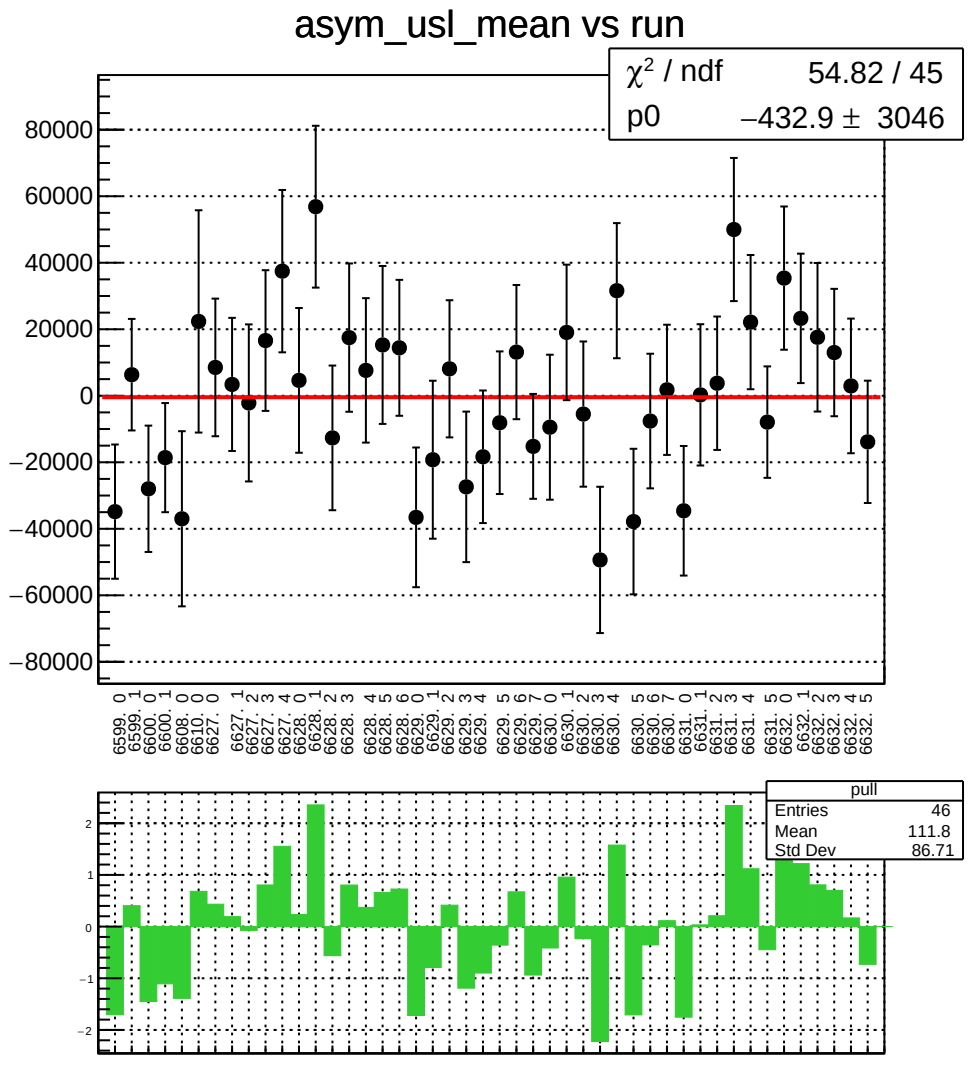

pull1D
Entries 46
Mean 0.01738
Std Dev 1.047
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

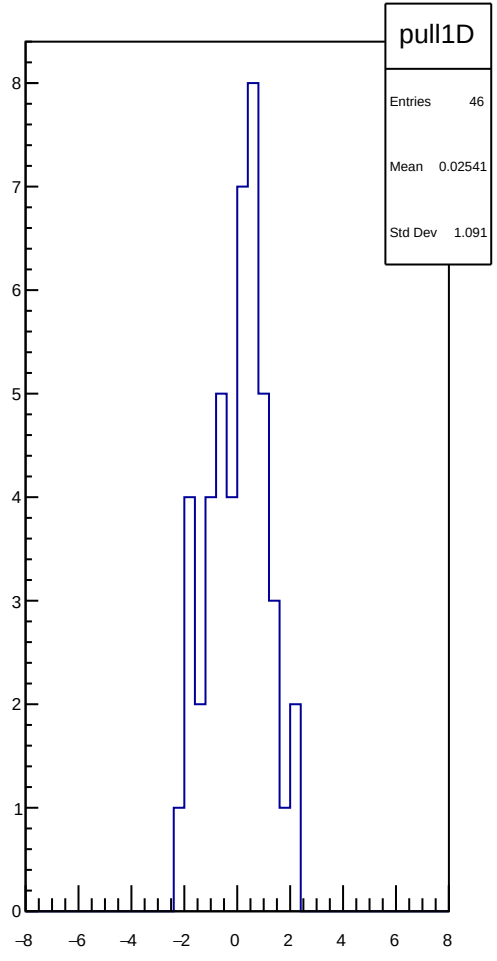

dit_asym_usl_rms vs run
χ² / ndf 199.8 / 45
p0 1178 ± 1.269
1260
1240
1220
1200
1180
1160
1140
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

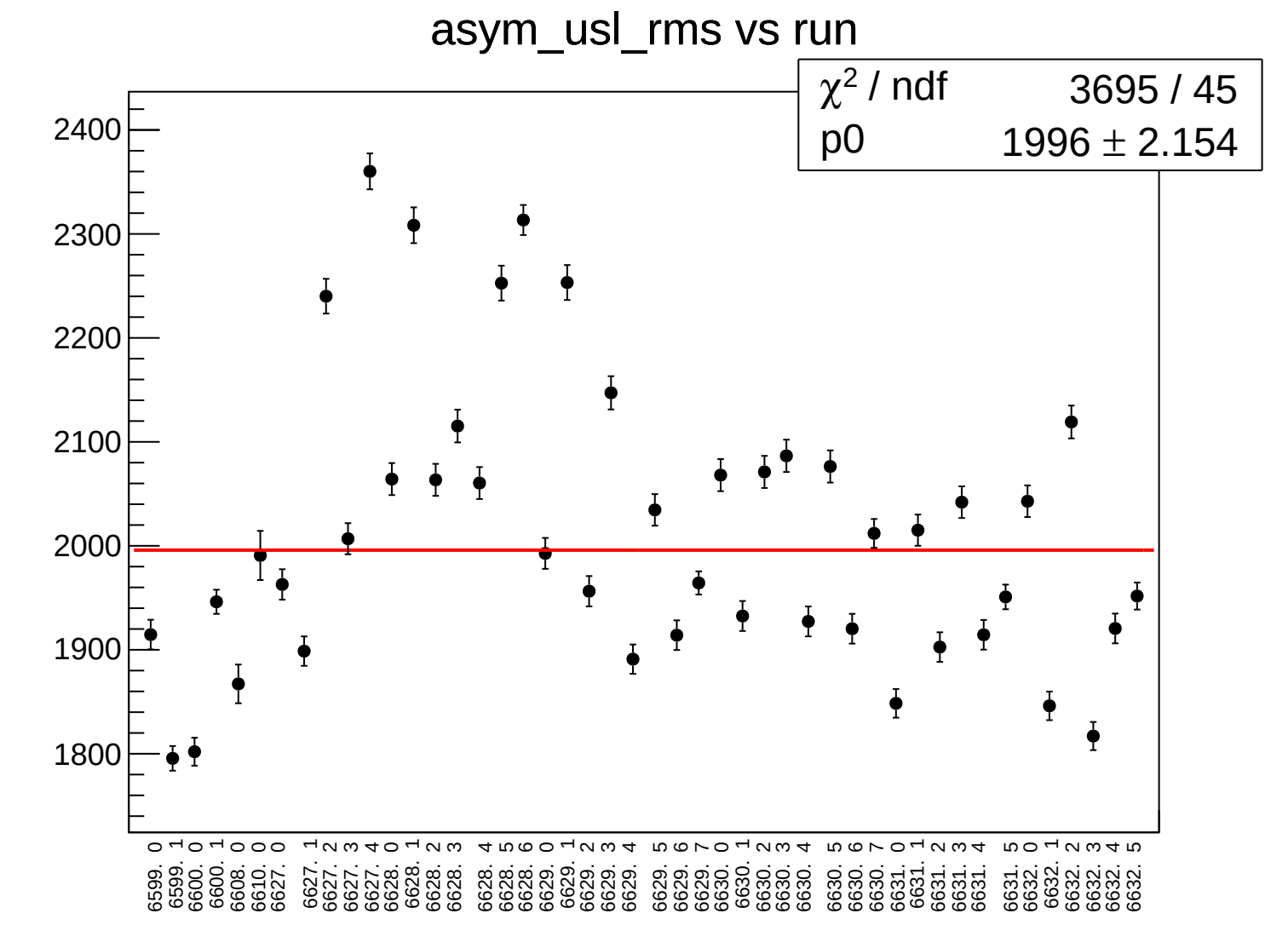

asym_usl_correction_mean vs run
χ² / ndf 56.86 / 45
p0 3772 ± 2594
80000
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −2.014
Std Dev 41.17
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

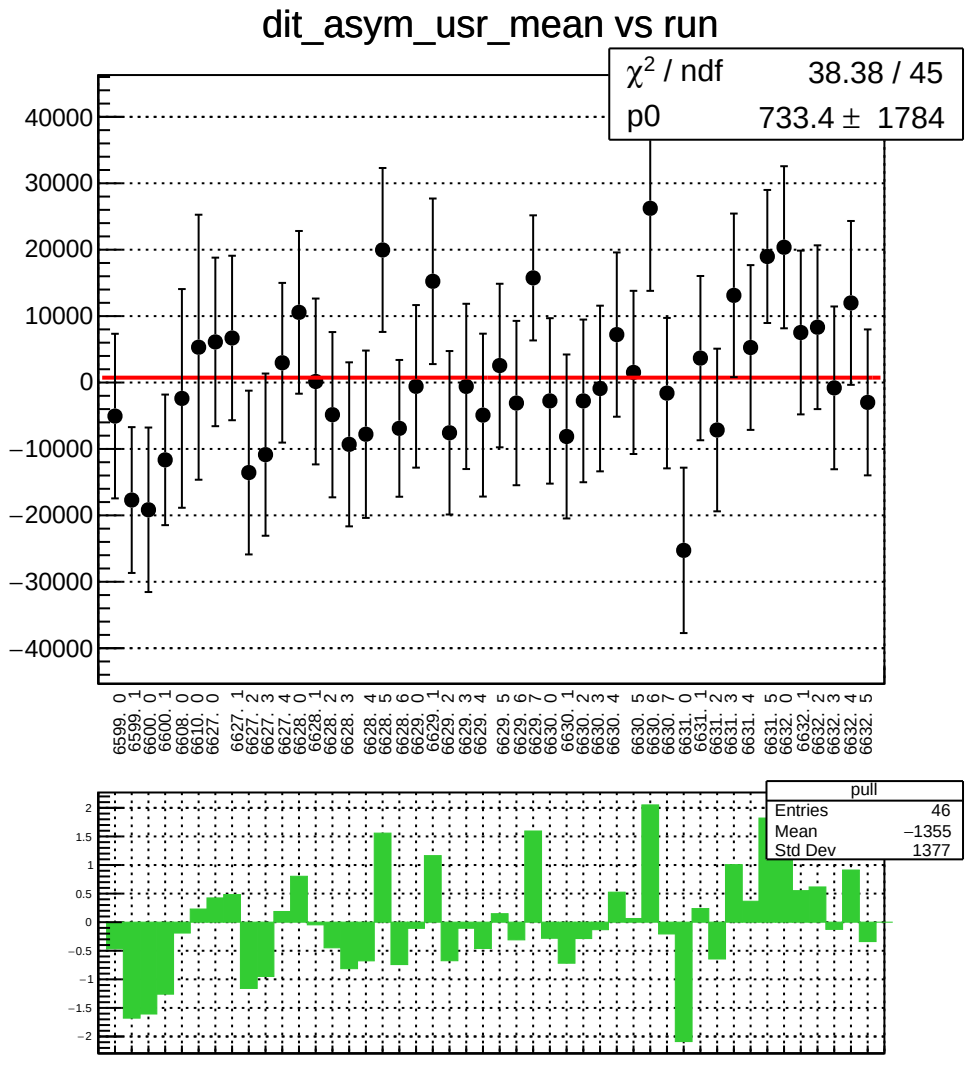

pull1D
Entries 46
Mean −0.01592
Std Dev 1.112
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

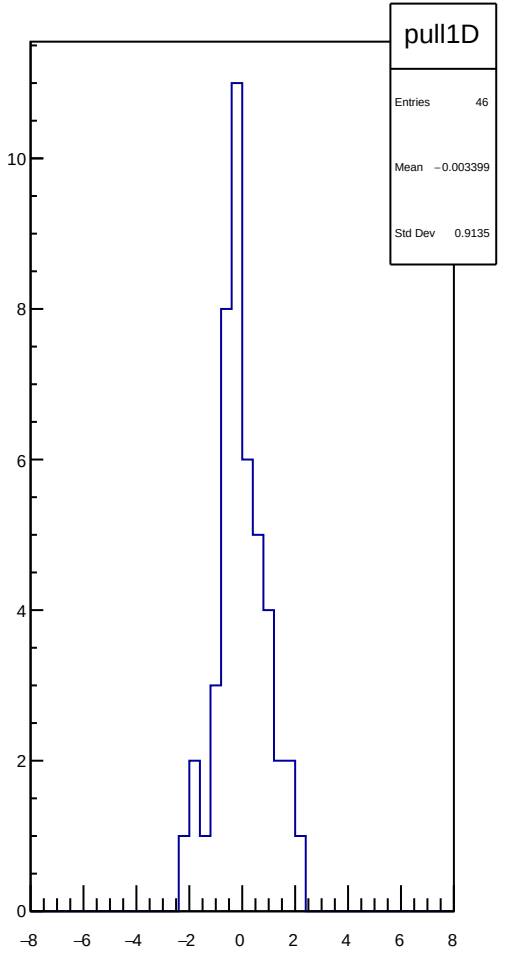

asym_usl_correction_rms vs run
χ² / ndf 6297 / 45
p0 1697 ± 1.834
2100
2000
1900
1800
1700
1600
1500
1400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

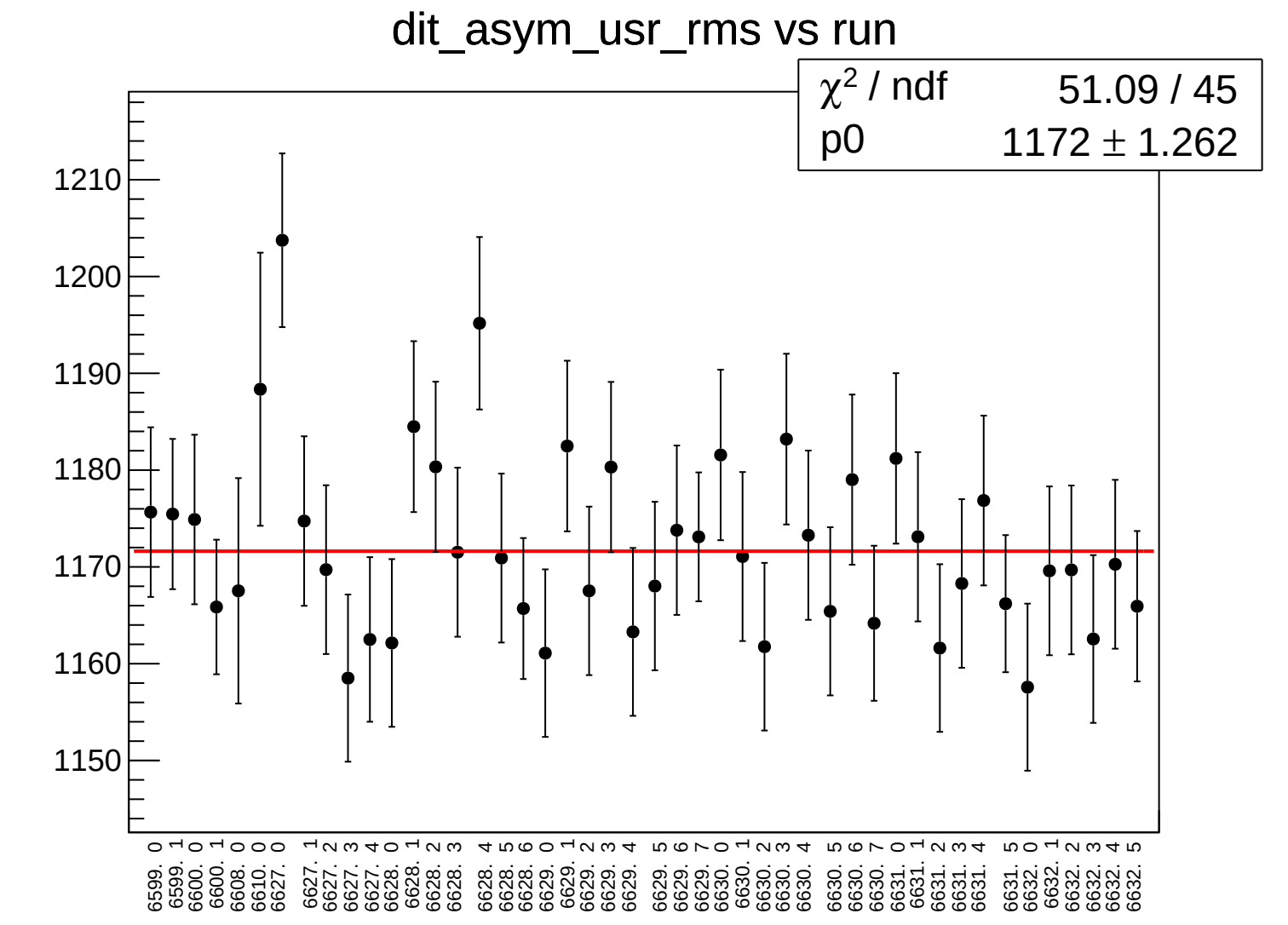

asym_usl_mean vs run
χ² / ndf 54.82 / 45
p0 −432.9 ± 3046
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 111.8
Std Dev 86.71
2
1
0
−1
−2

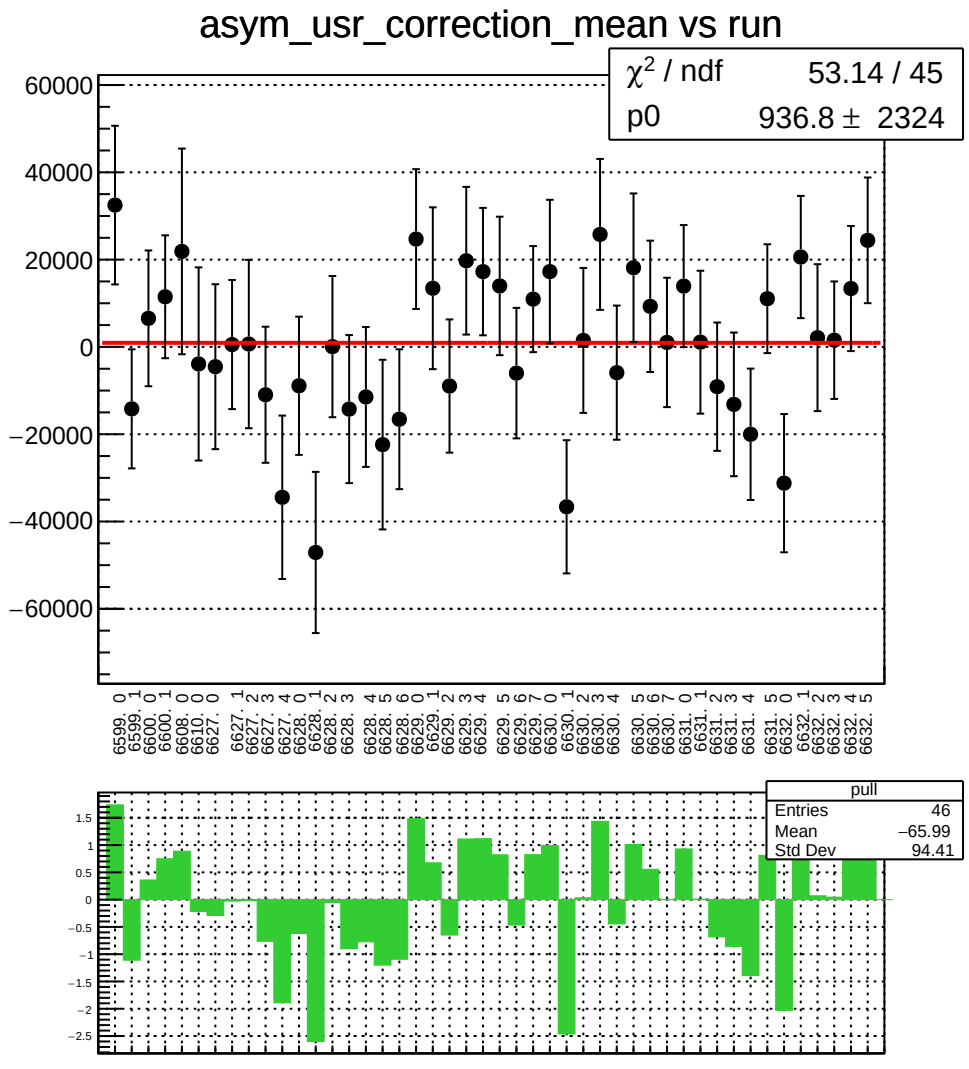

pull1D
Entries 46
Mean 0.02541
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

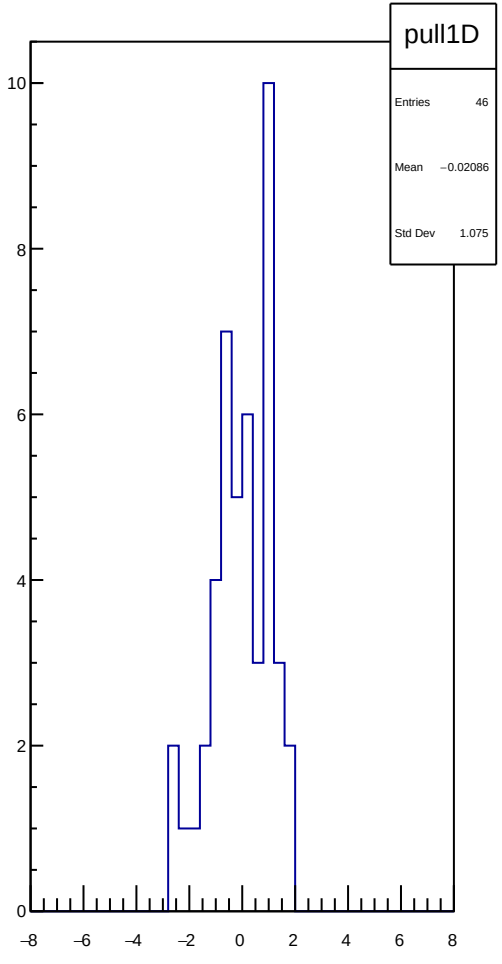

asym_usl_rms vs run
χ² / ndf 3695 / 45
p0 1996 ± 2.154
2400
2300
2200
2100
2000
1900
1800
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

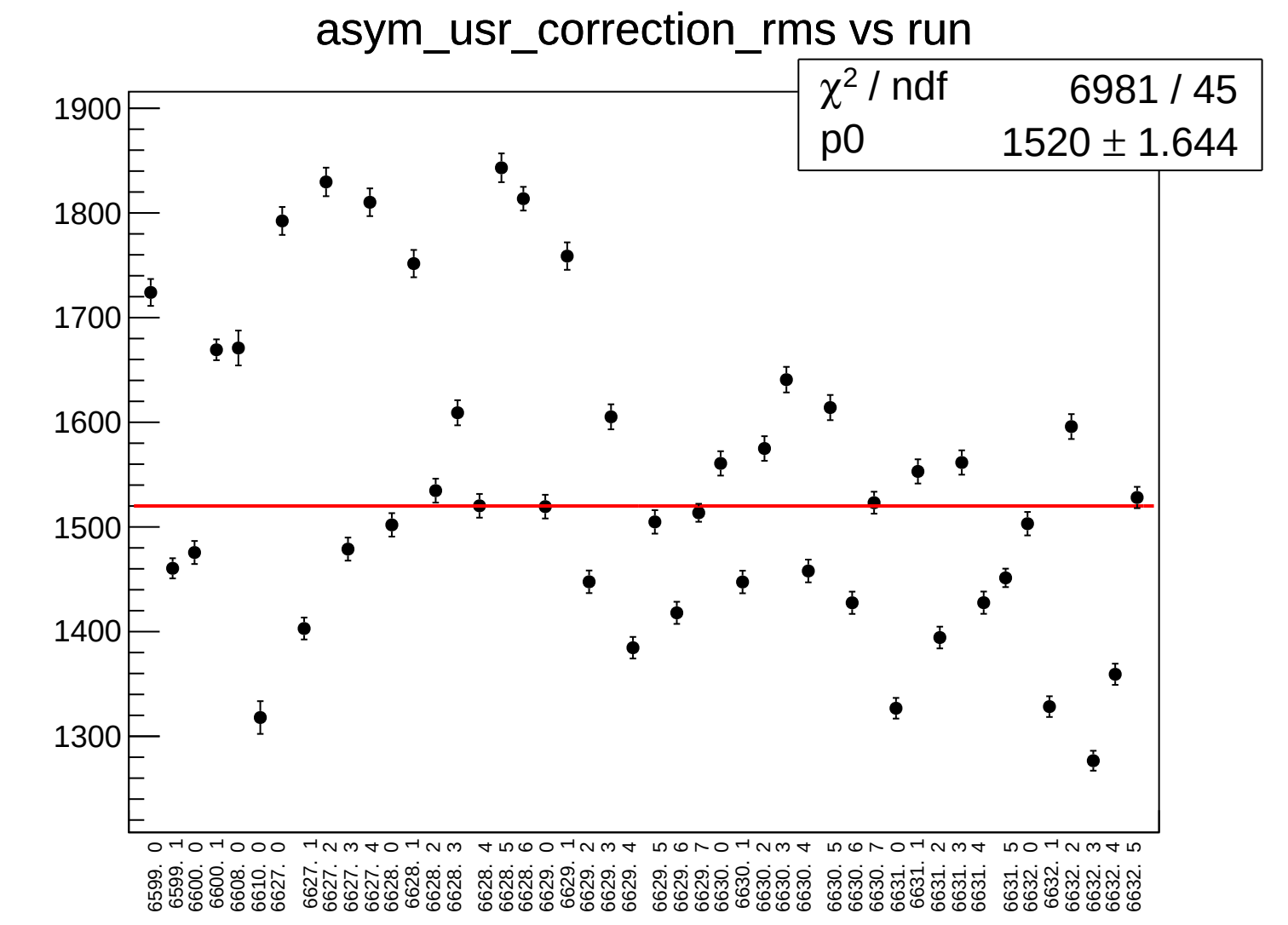

dit_asym_usr_mean vs run
χ² / ndf 38.38 / 45
p0 733.4 ± 1784
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −1355
Std Dev 1377
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

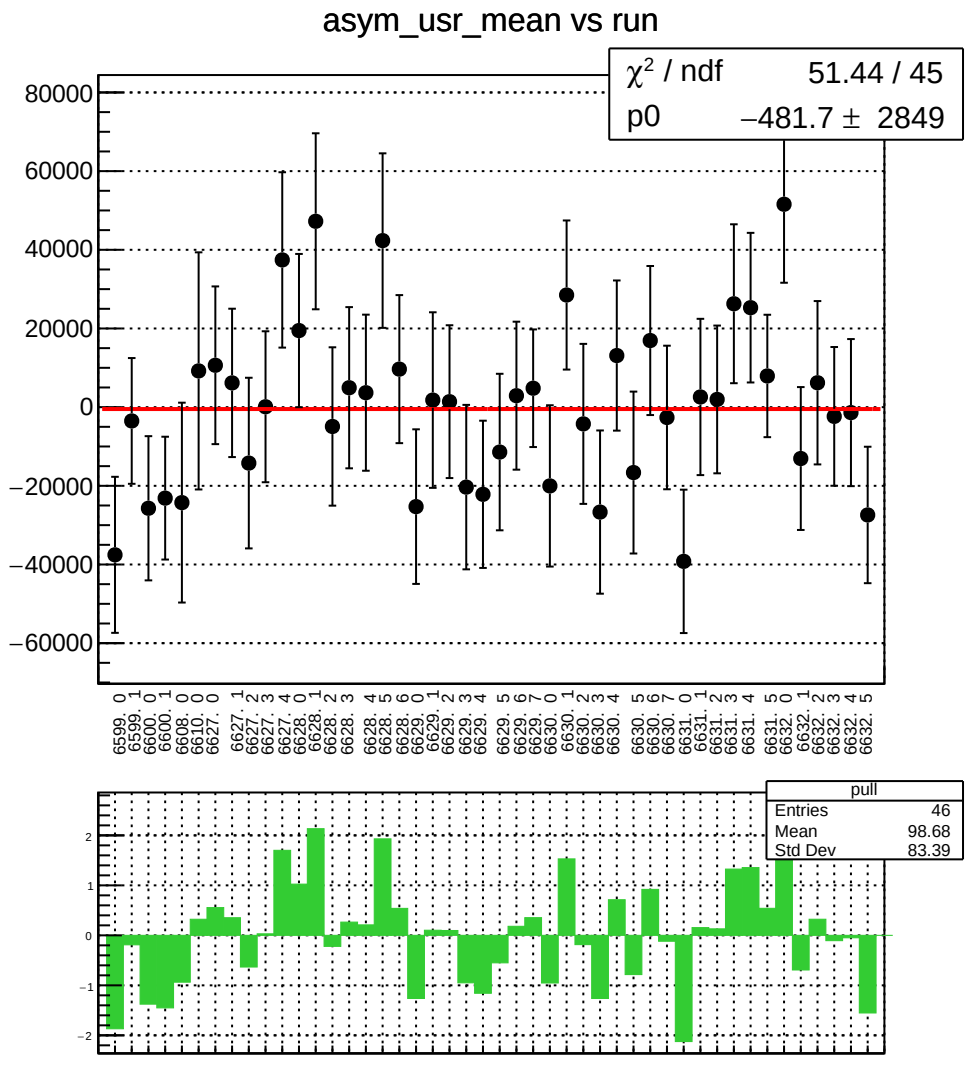

pull1D
Entries 46
Mean −0.003399
Std Dev 0.9135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

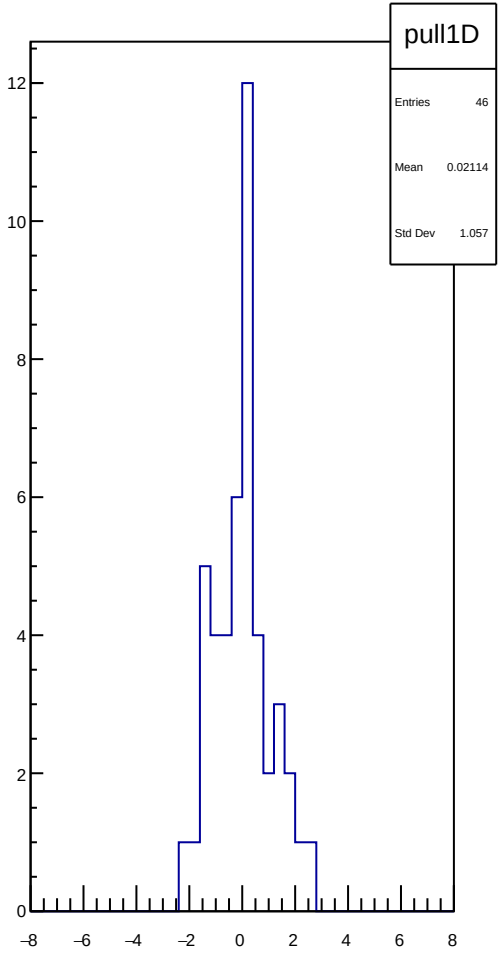

dit_asym_usr_rms vs run
χ² / ndf 51.09 / 45
p0 1172 ± 1.262
1210
1200
1190
1180
1170
1160
1150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

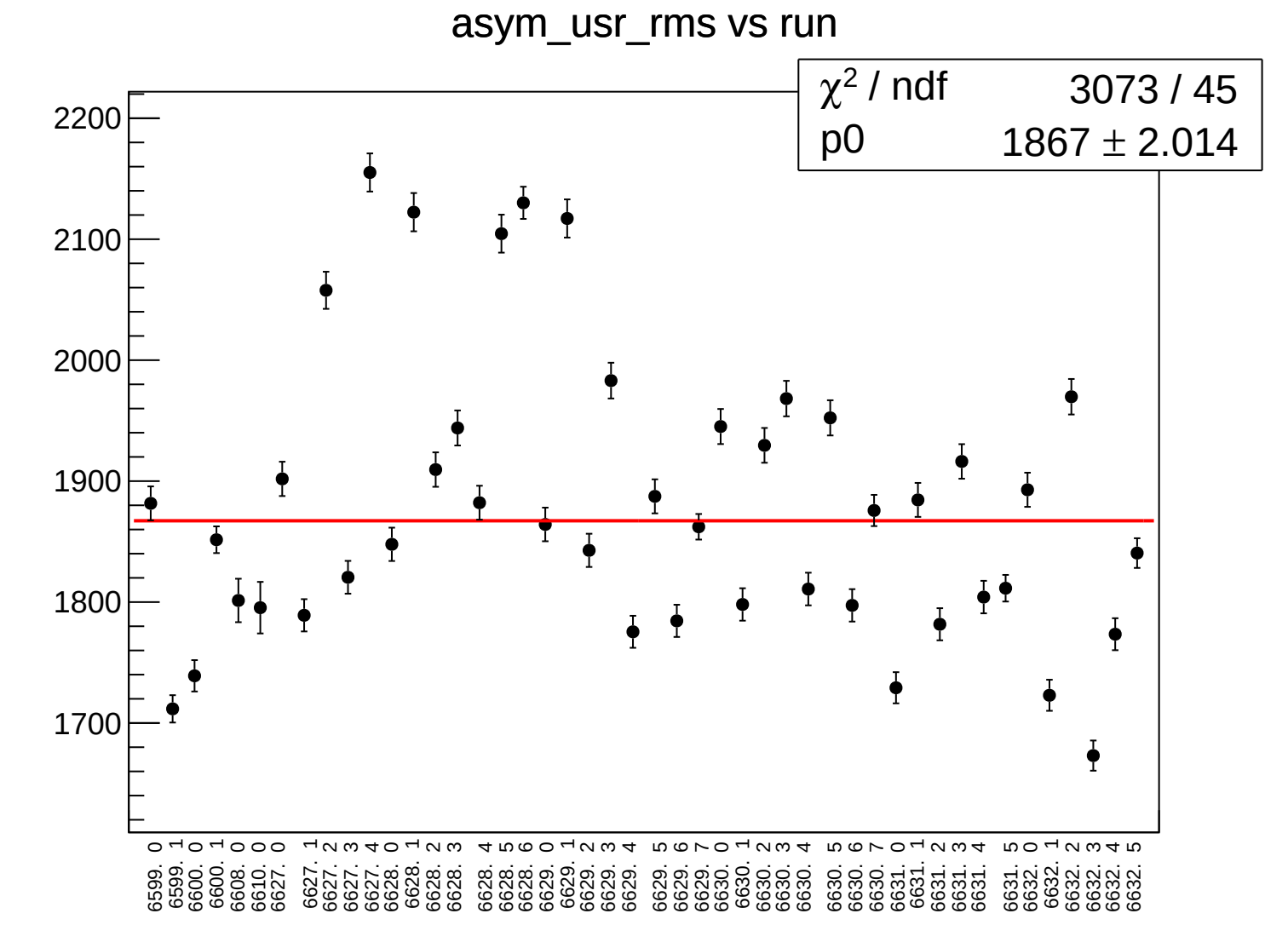

asym_usr_correction_mean vs run
χ² / ndf 53.14 / 45
p0 936.8 ± 2324
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −65.99
Std Dev 94.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

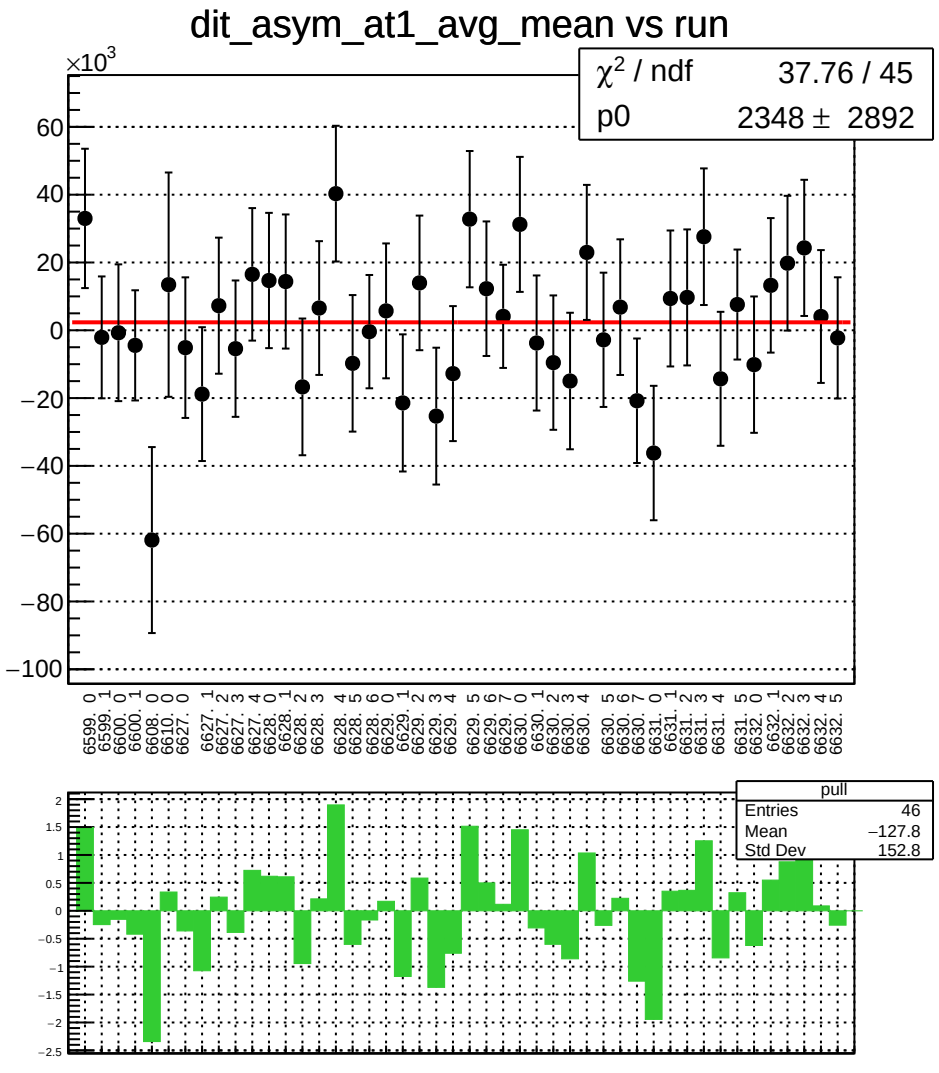

pull1D
Entries 46
Mean −0.02086
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

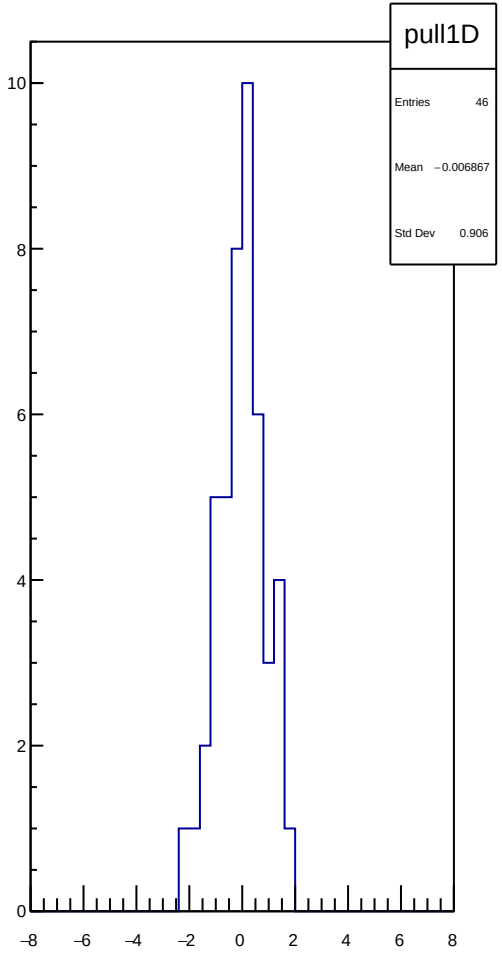

asym_usr_correction_rms vs run
χ² / ndf 6981 / 45
p0 1520 ± 1.644
1900
1800
1700
1600
1500
1400
1300
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

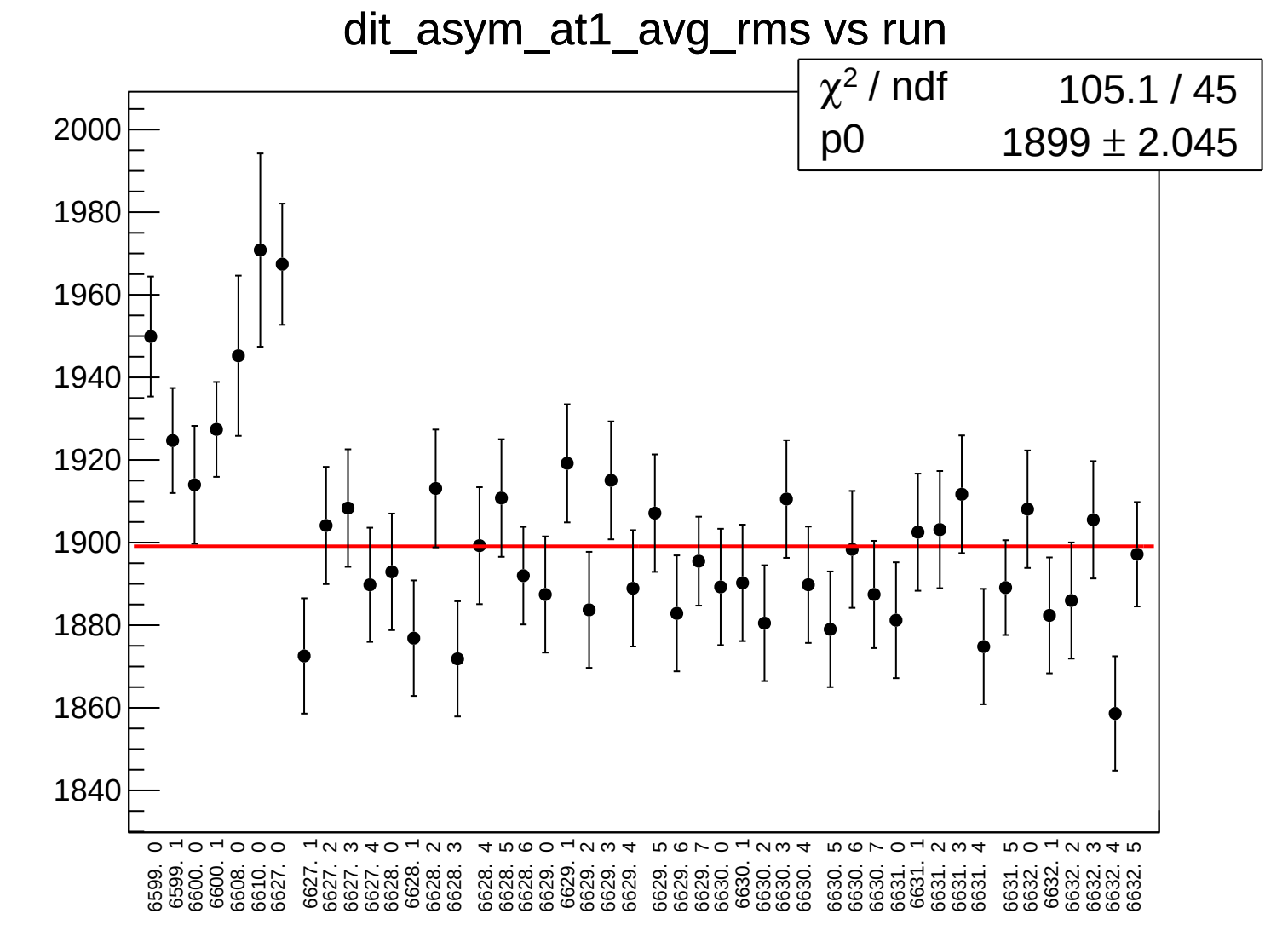

asym_usr_mean vs run
χ² / ndf 51.44 / 45
p0 −481.7 ± 2849
80000
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 98.68
Std Dev 83.39
2
1
0
−1
−2

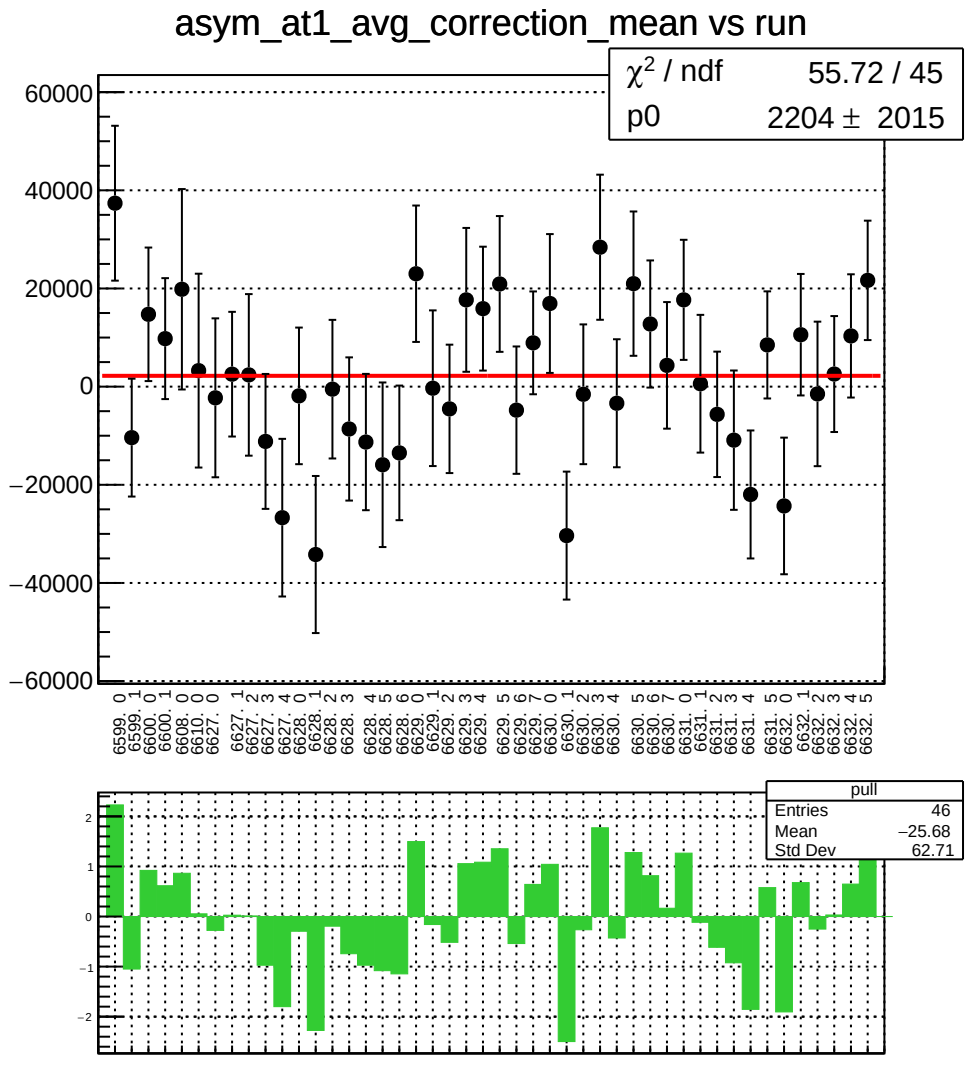

pull1D
Entries 46
Mean 0.02114
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

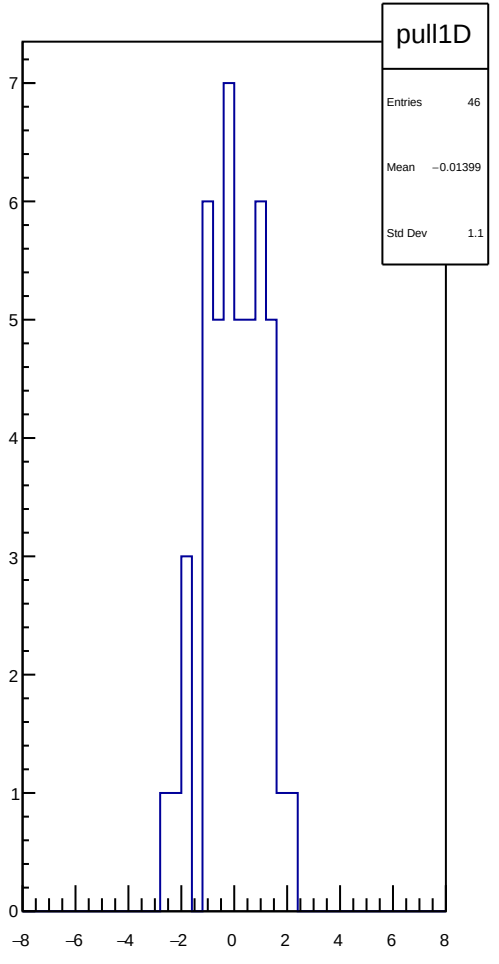

asym_usr_rms vs run
χ² / ndf 3073 / 45
p0 1867 ± 2.014
2200
2100
2000
1900
1800
1700
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

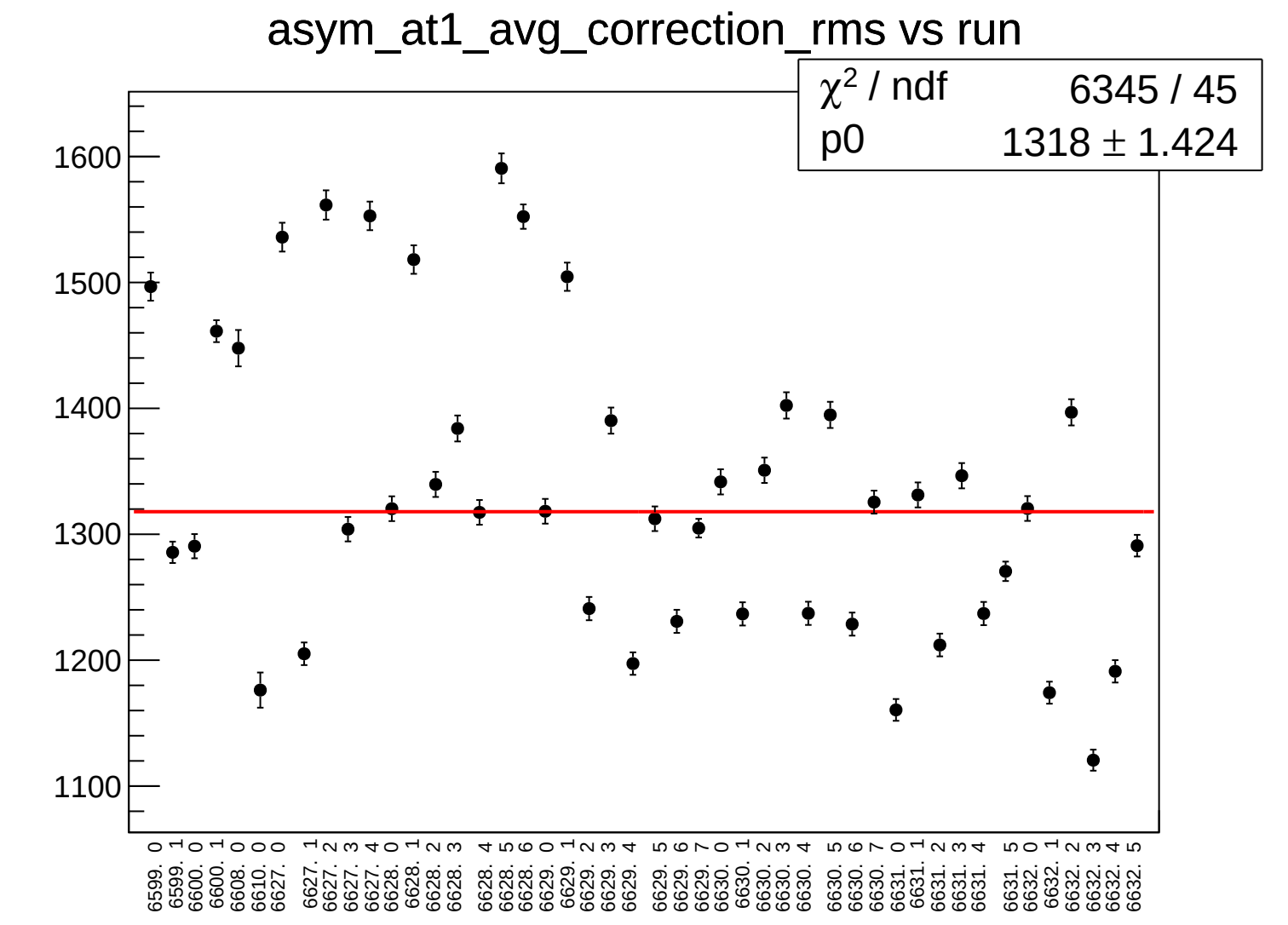

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 37.76 / 45
p0 2348 ± 2892
60
40
20
0
−20
−40
−60
−80
−100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −127.8
Std Dev 152.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

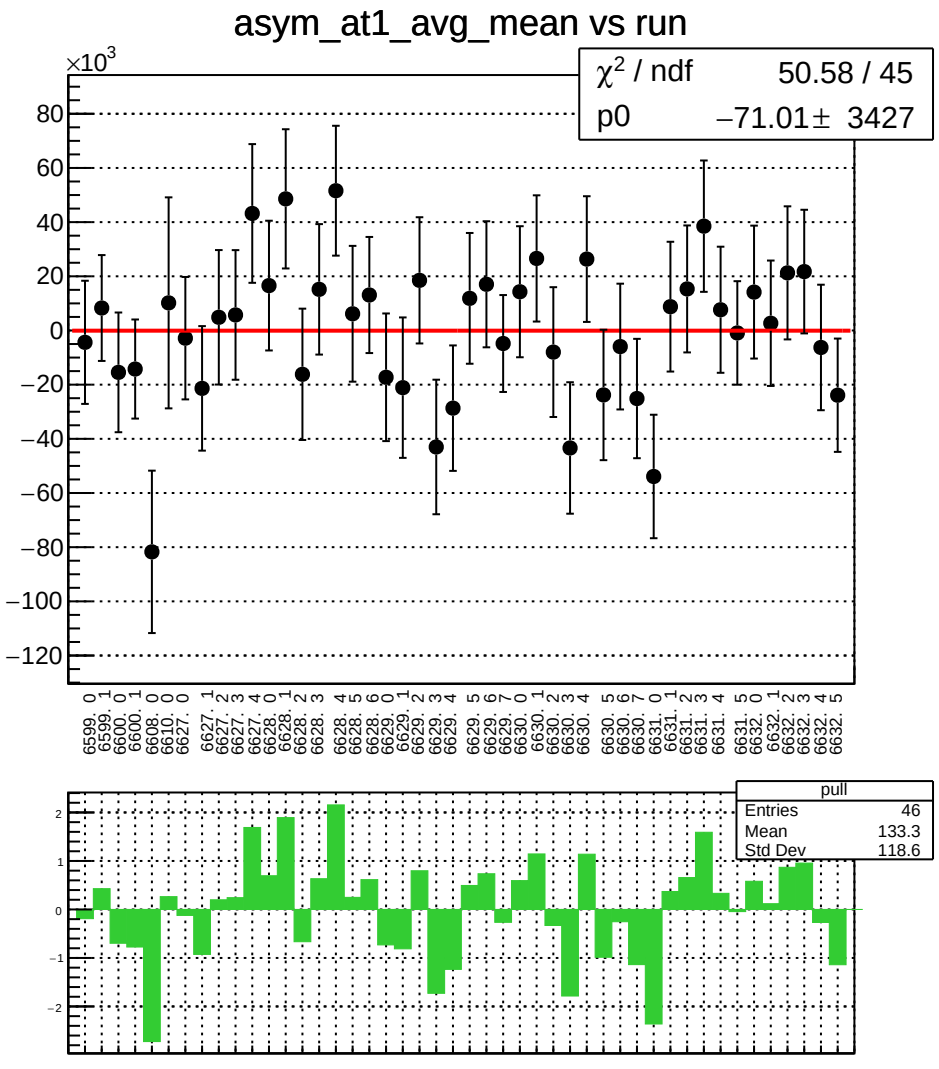

pull1D
Entries 46
Mean −0.006867
Std Dev 0.906
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

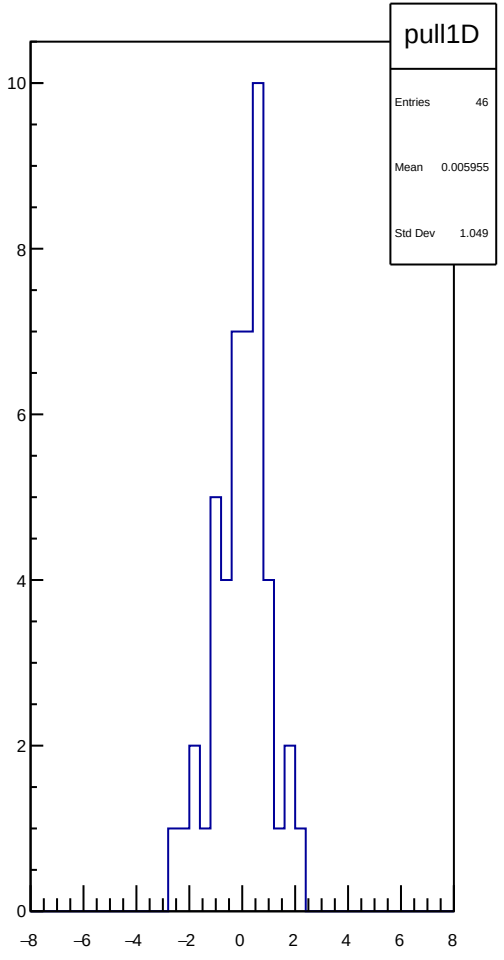

dit_asym_at1_avg_rms vs run
χ^2 / ndf 105.1 / 45
p0 1899 ± 2.045
2000
1980
1960
1940
1920
1900
1880
1860
1840
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

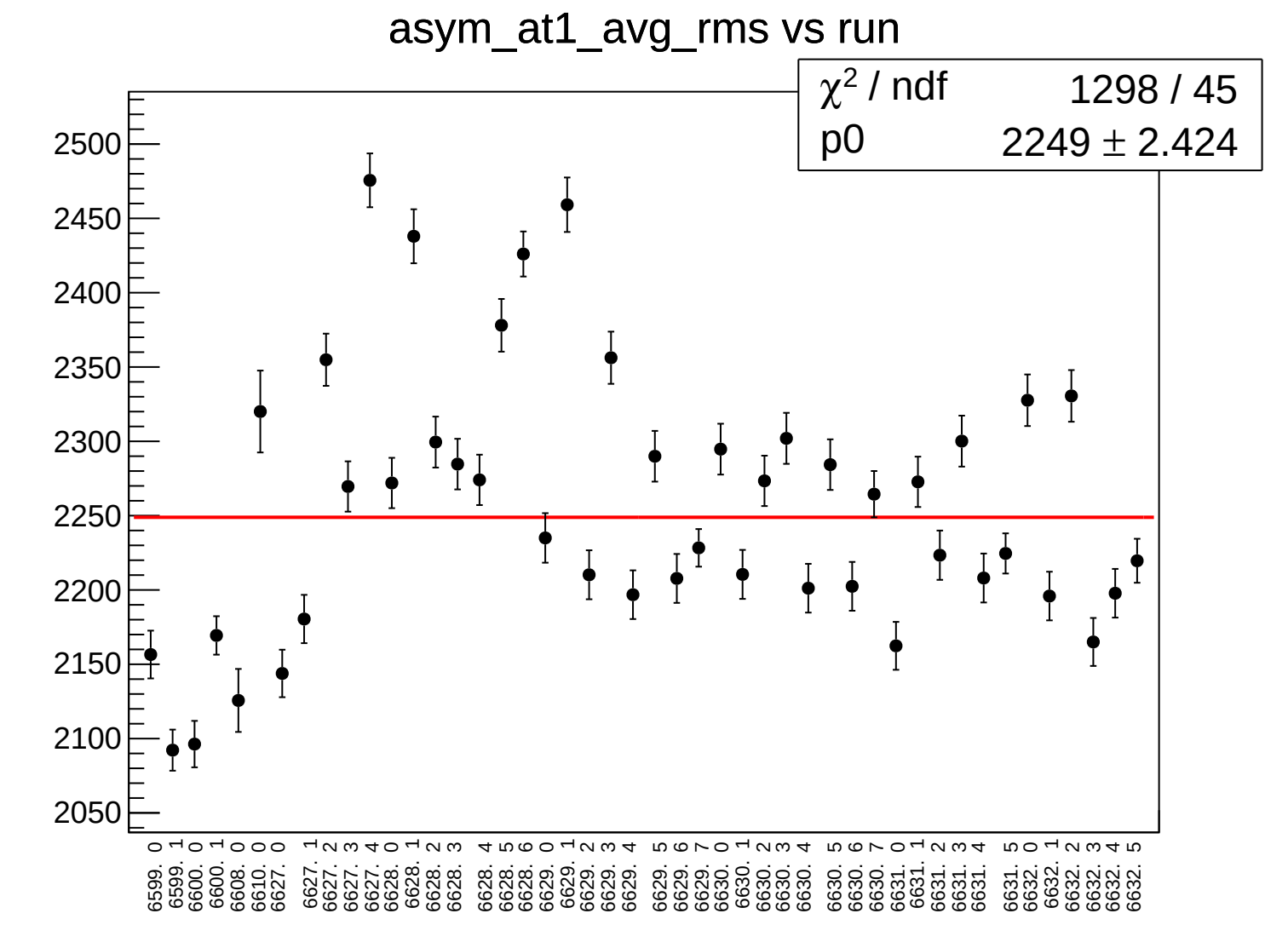

asym_at1_avg_correction_mean vs run
χ² / ndf 55.72 / 45
p0 2204 ± 2015
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −25.68
Std Dev 62.71
2
1
0
−1
−2

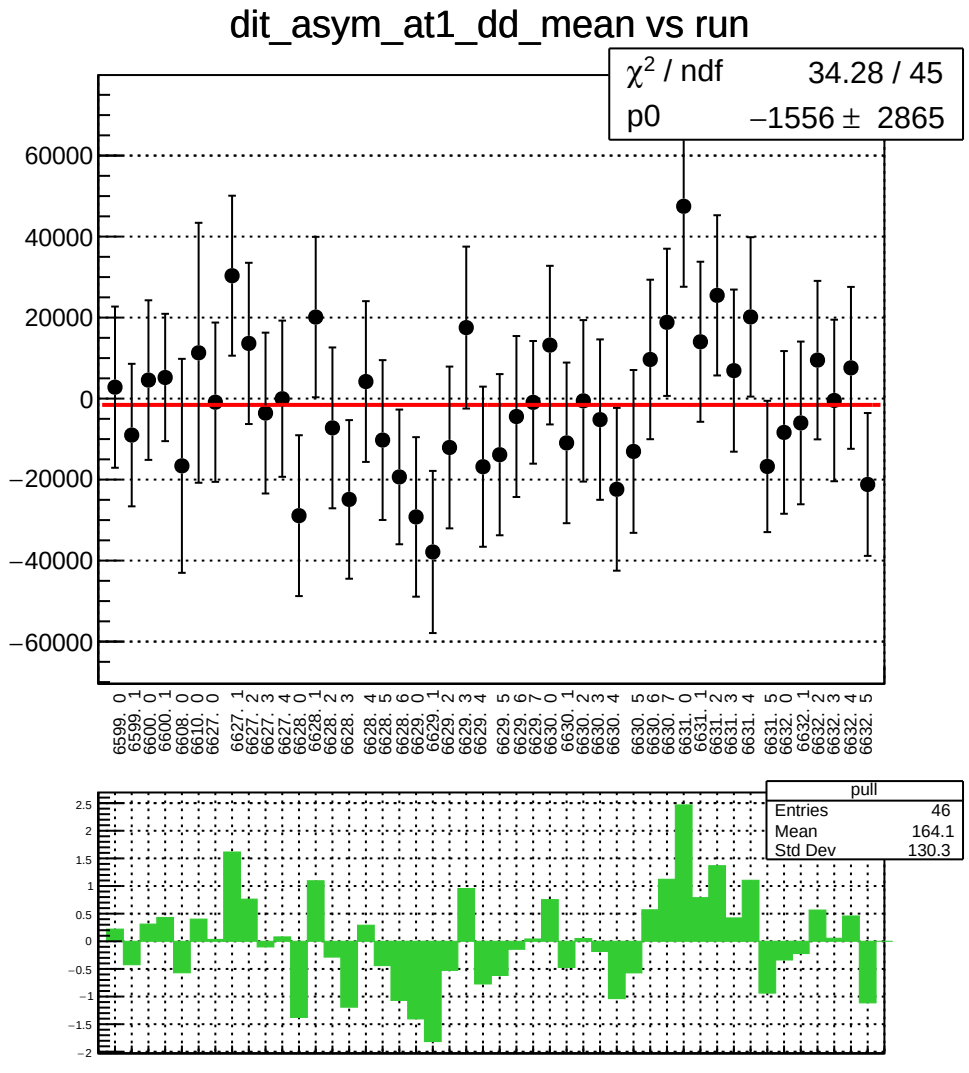

pull1D
Entries 46
Mean −0.01399
Std Dev 1.1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

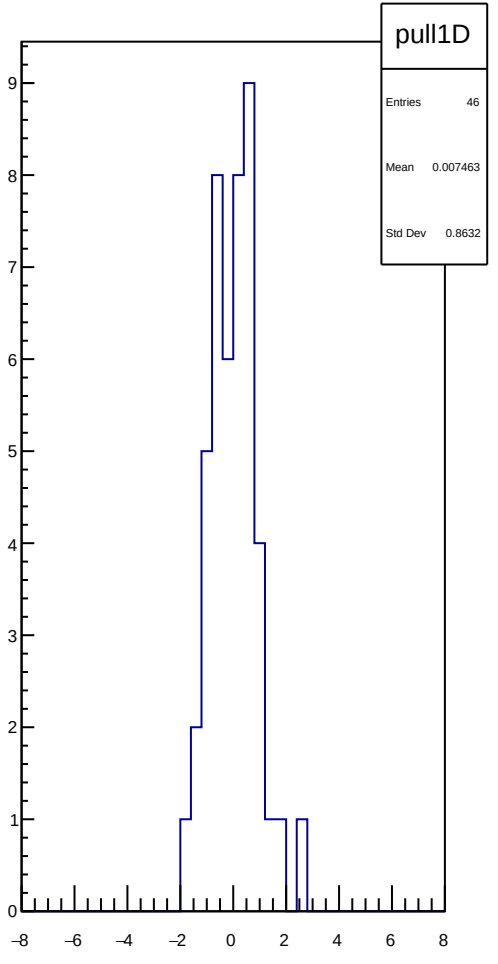

asym_at1_avg_correction_rms vs run
χ² / ndf 6345 / 45
p0 1318 ± 1.424
1600
1500
1400
1300
1200
1100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

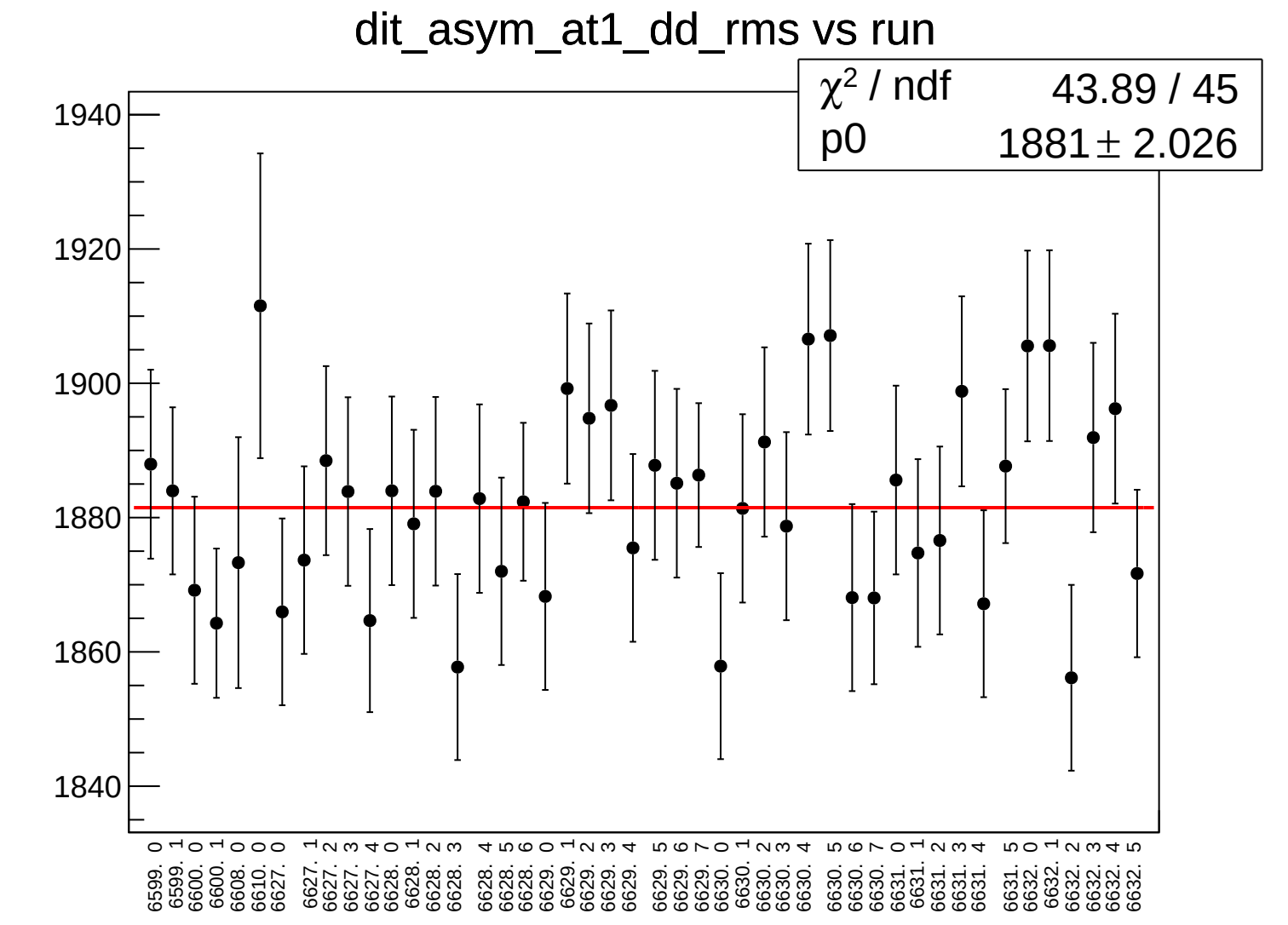

asym_at1_avg_mean vs run
×10^3
χ² / ndf 50.58 / 45
p0 −71.01± 3427
pull
Entries 46
Mean 133.3
Std Dev 118.6

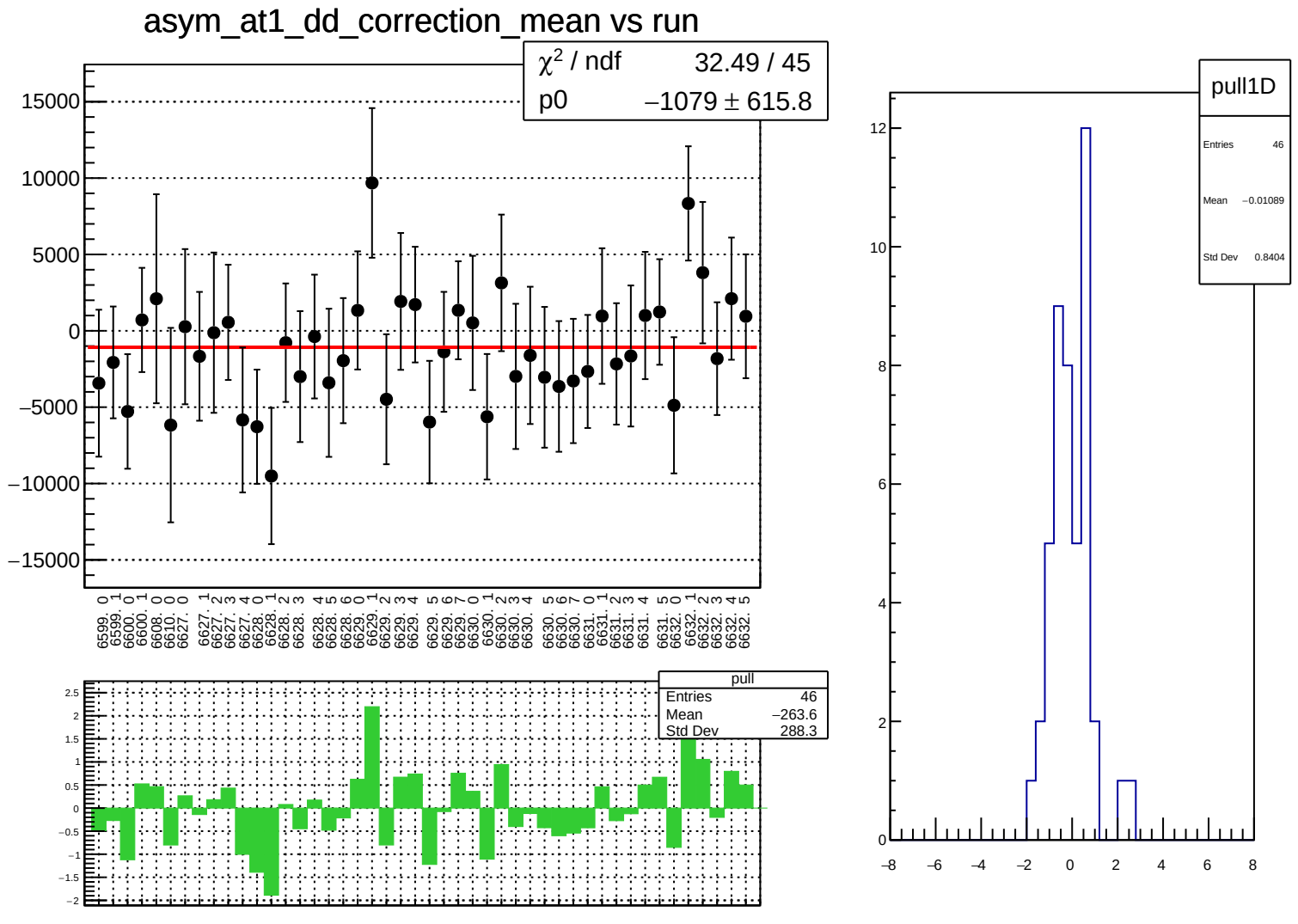

pull1D
Entries 46
Mean 0.005955
Std Dev 1.049

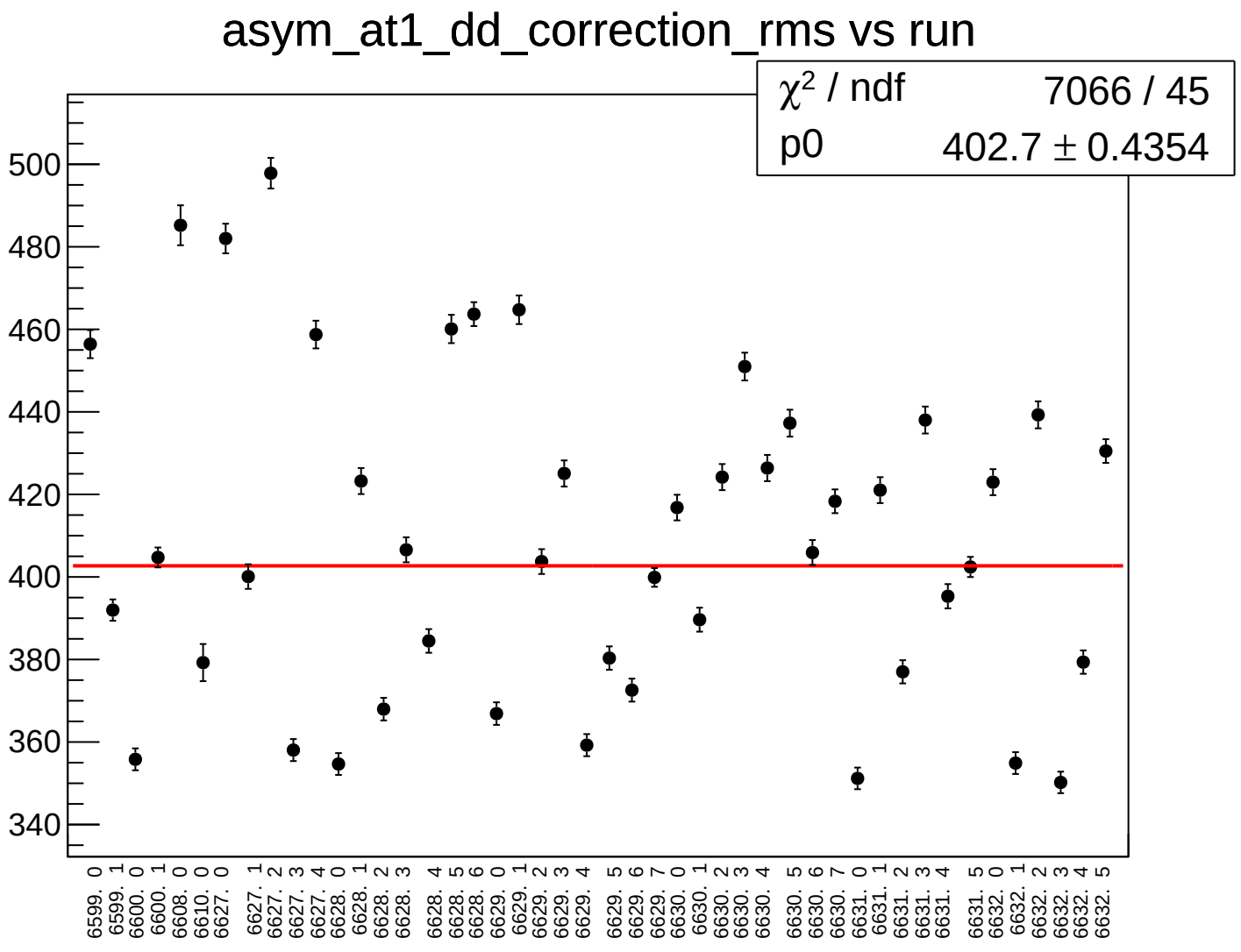

asym_at1_avg_rms vs run
χ^2 / ndf 1298 / 45
p0 2249 ± 2.424
2500
2450
2400
2350
2300
2250
2200
2150
2100
2050
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

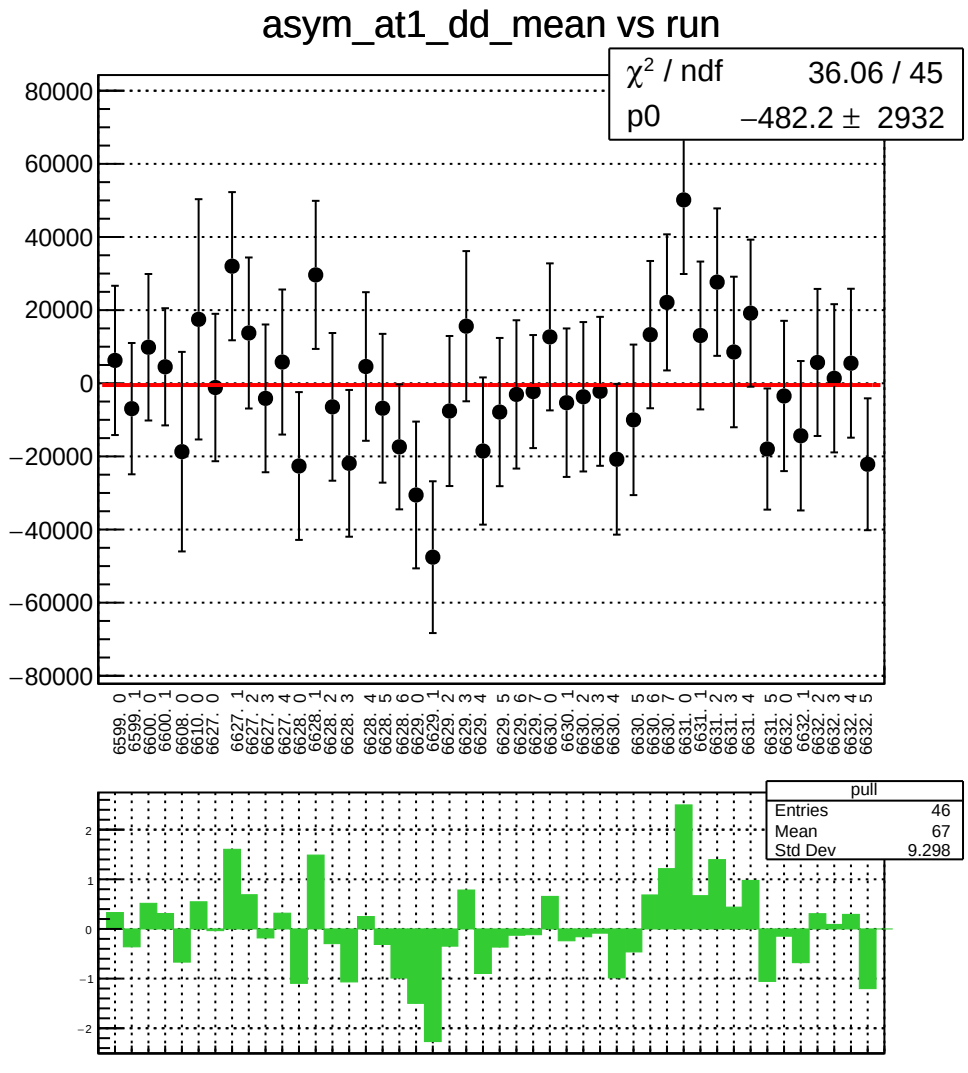

dit_asym_at1_dd_mean vs run
χ² / ndf 34.28 / 45
p0 −1556 ± 2865
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 164.1
Std Dev 130.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

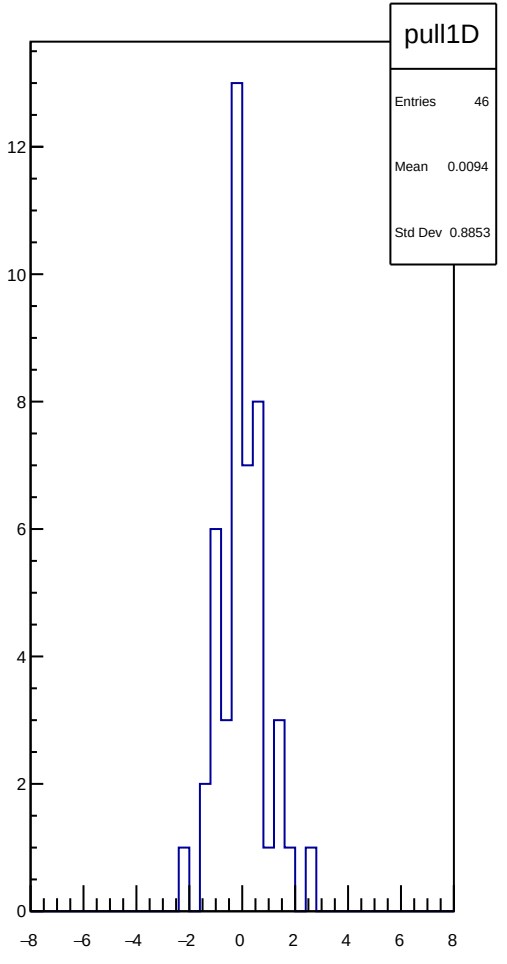

pull1D
Entries 46
Mean 0.007463
Std Dev 0.8632
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

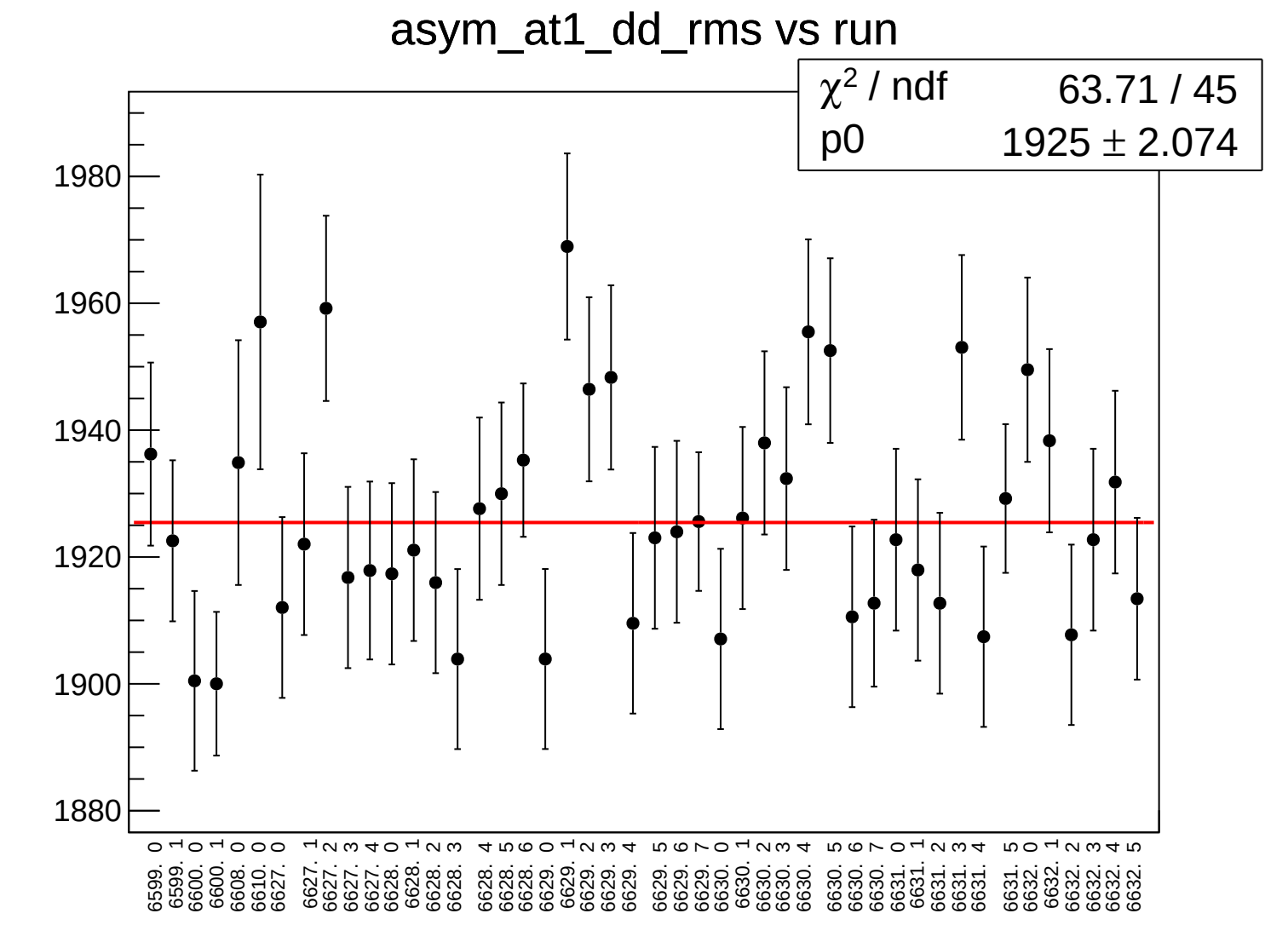

dit_asym_at1_dd_rms vs run
χ² / ndf 43.89 / 45
p0 1881 ± 2.026
1940
1920
1900
1880
1860
1840
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

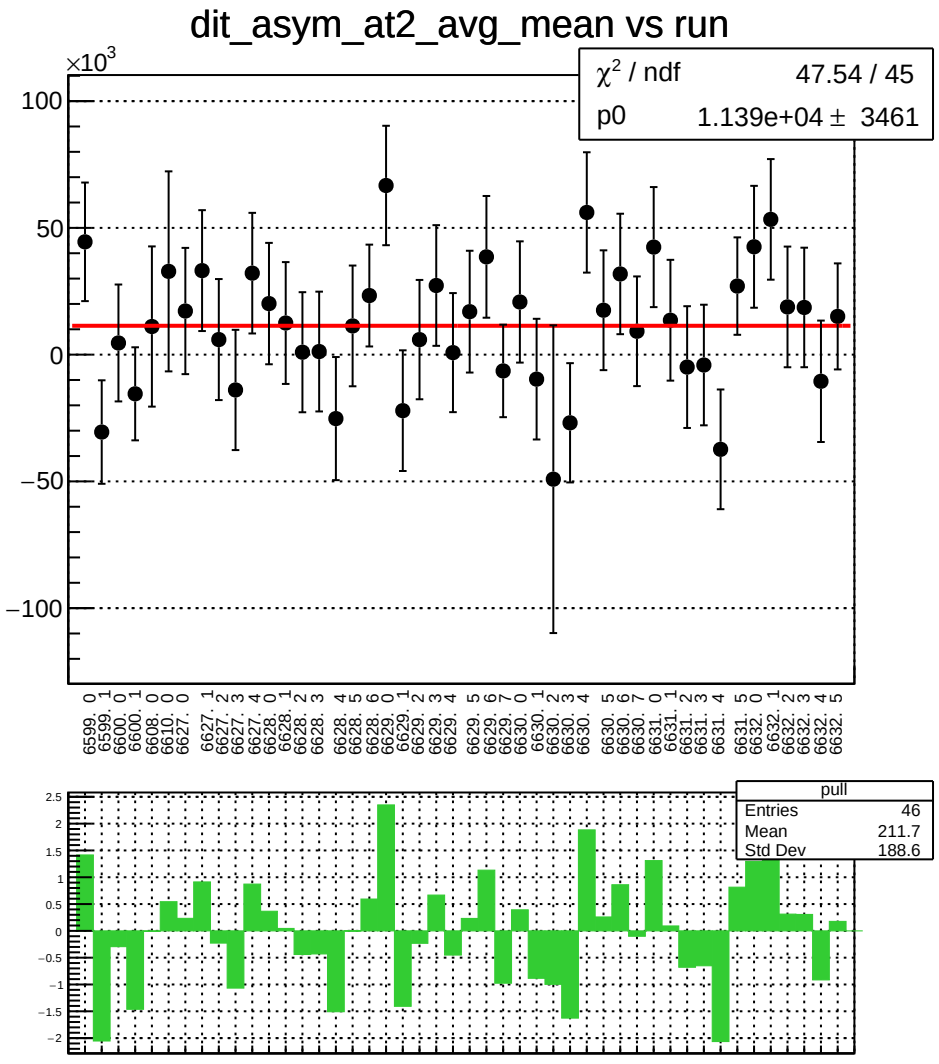

asym_at1_dd_correction_mean vs run
χ² / ndf 32.49 / 45
p0 −1079 ± 615.8
15000
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −263.6
Std Dev 288.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.01089
Std Dev 0.8404
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

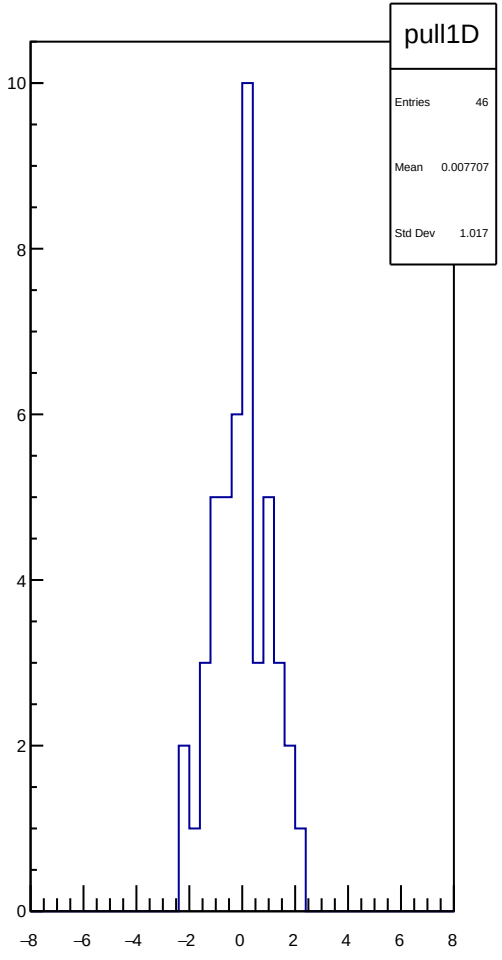

asym_at1_dd_correction_rms vs run
χ² / ndf 7066 / 45
p0 402.7 ± 0.4354
500
480
460
440
420
400
380
360
340
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

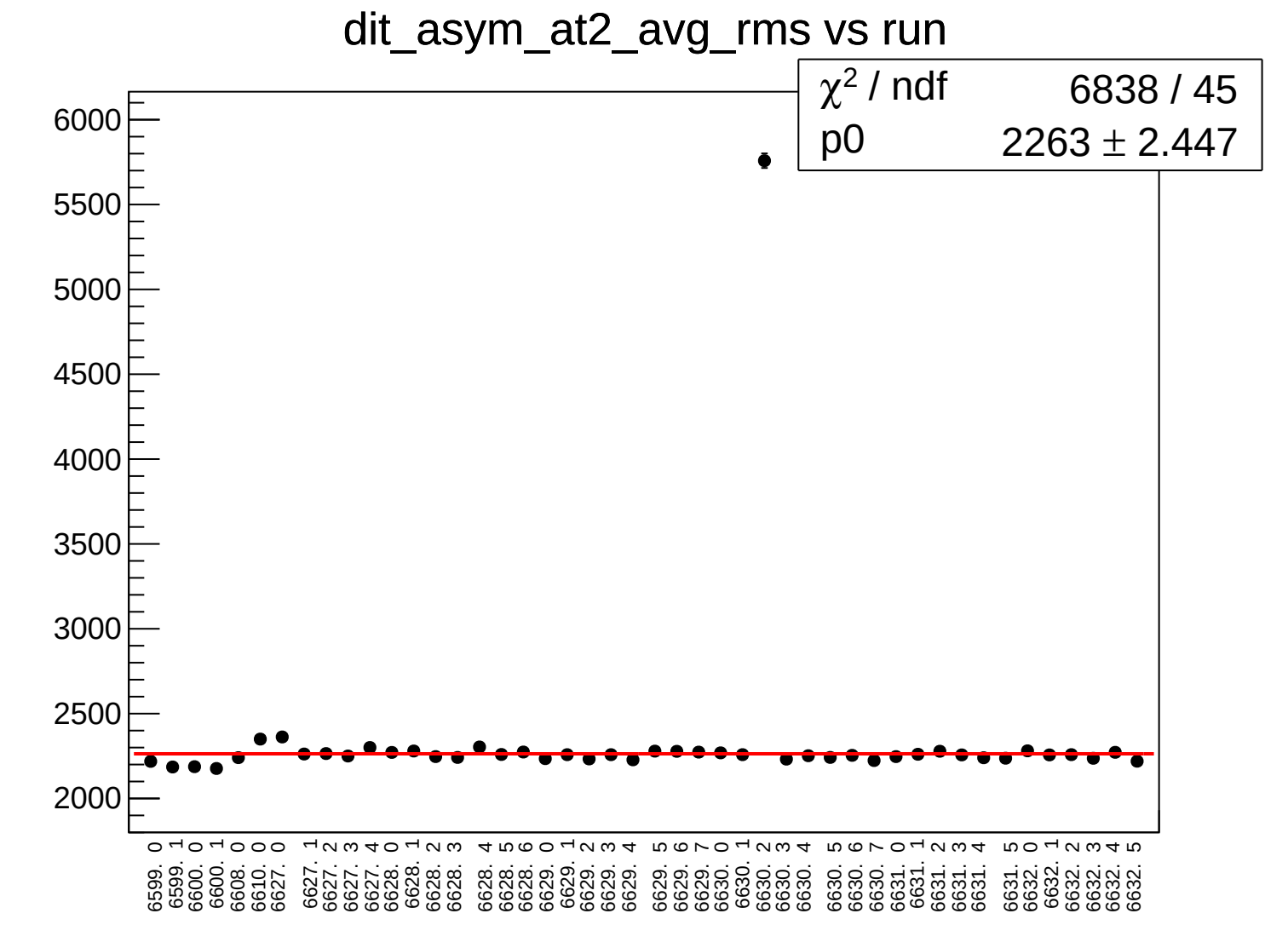

asym_at1_dd_mean vs run
χ² / ndf 36.06 / 45
p0 −482.2 ± 2932
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 67
Std Dev 9.298
2
1
0
−1
−2

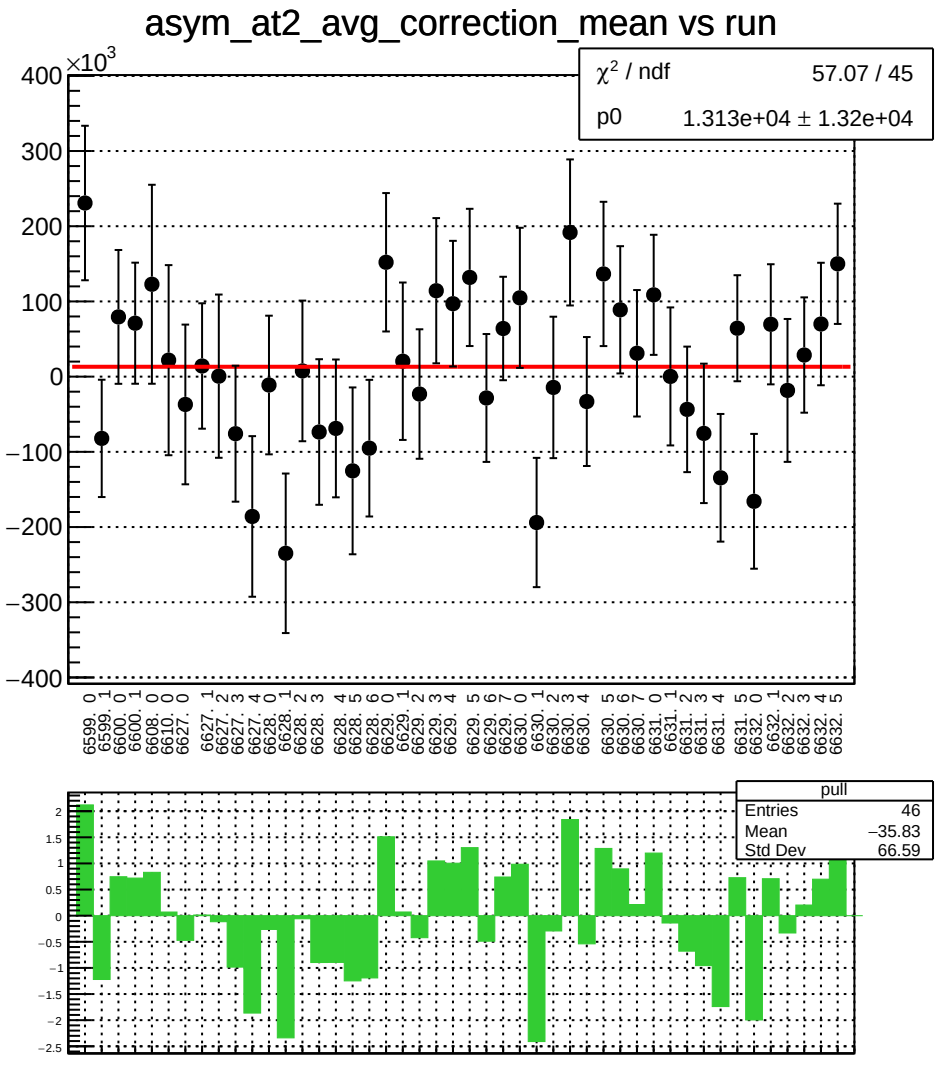

pull1D
Entries 46
Mean 0.0094
Std Dev 0.8853
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

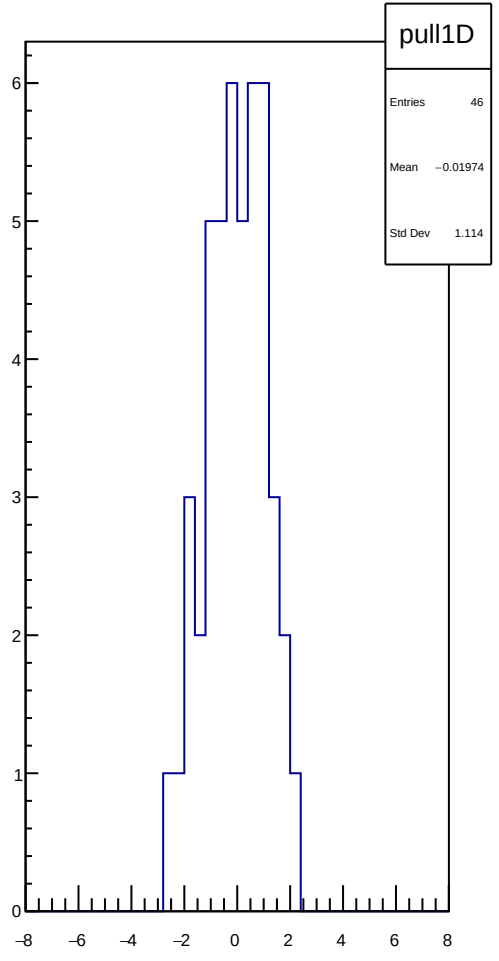

asym_at1_dd_rms vs run
χ² / ndf 63.71 / 45
p0 1925 ± 2.074
1980
1960
1940
1920
1900
1880
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

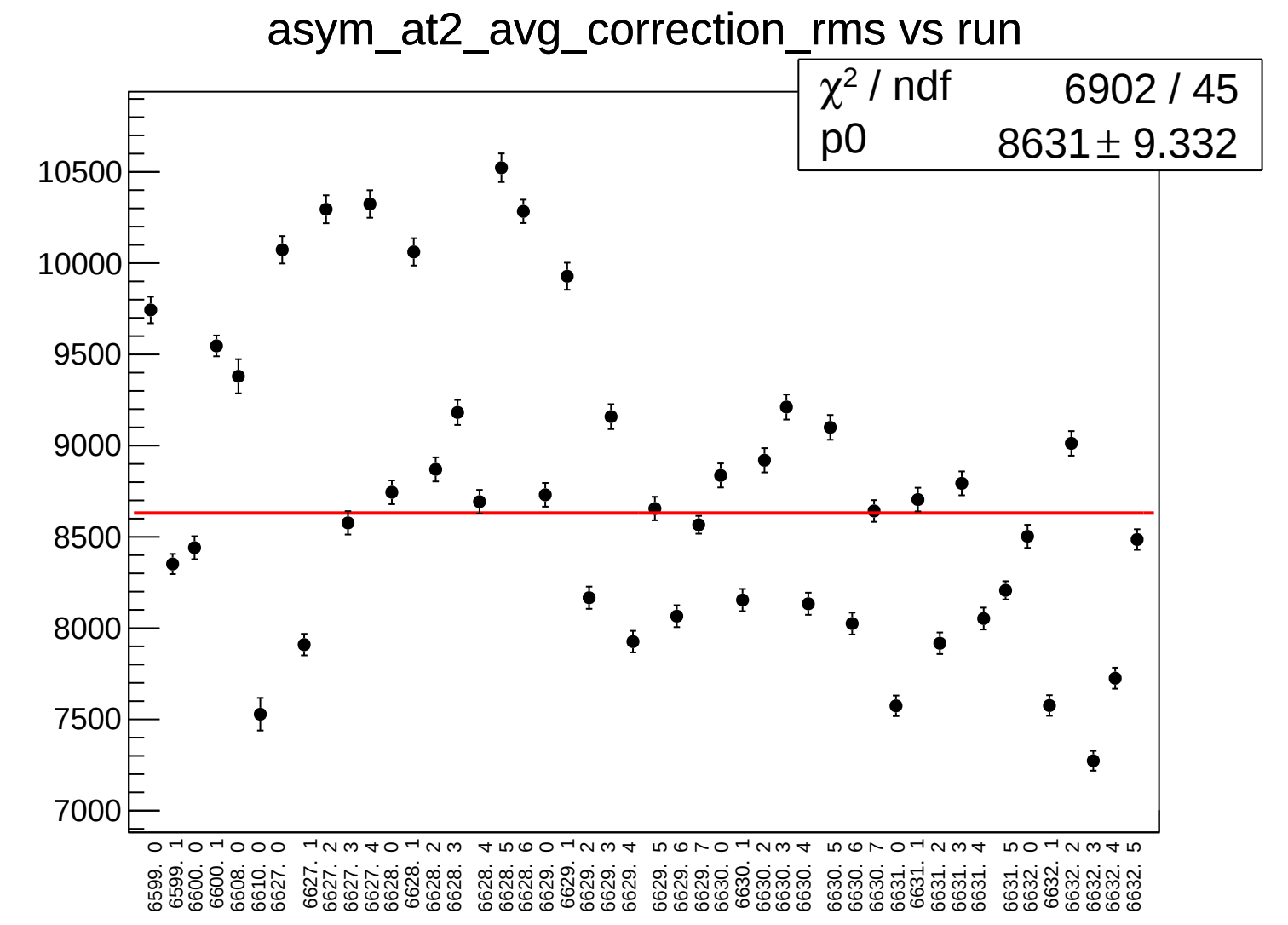

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 47.54 / 45
p0 1.139e+04 ± 3461
100
50
0
−50
−100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 211.7
Std Dev 188.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

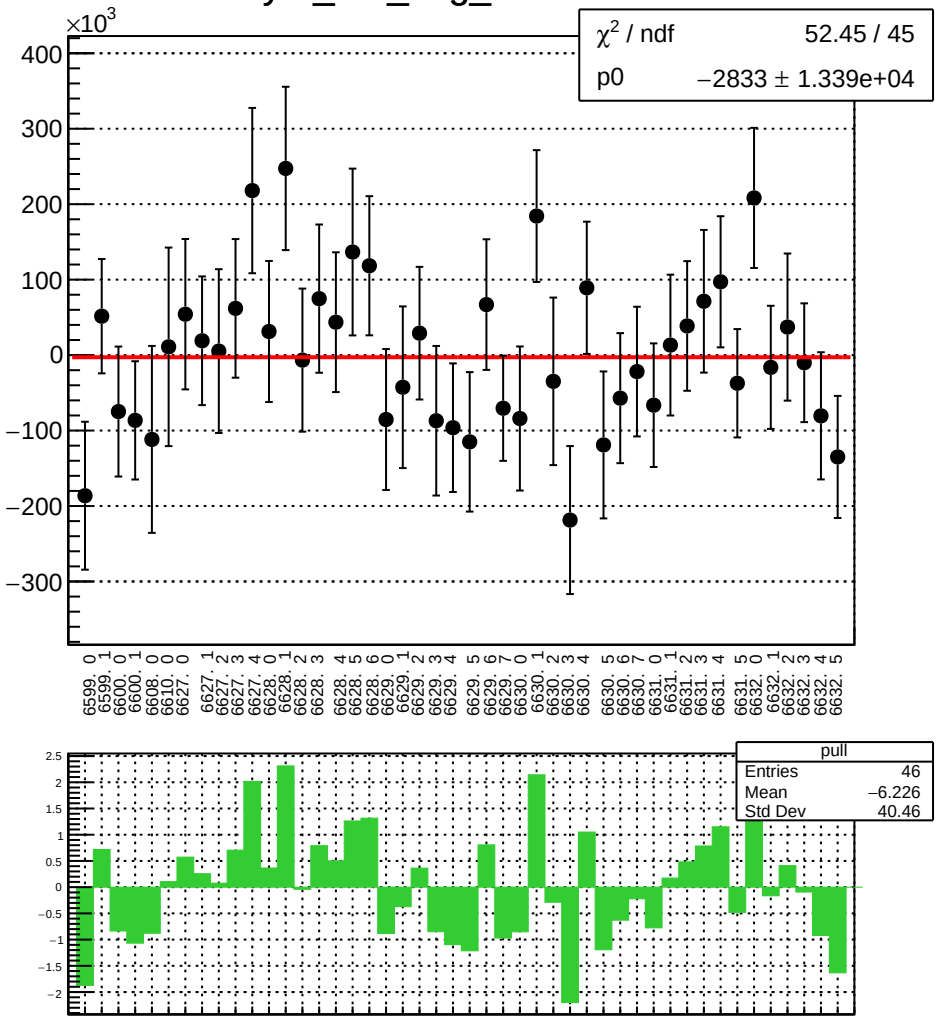

pull1D
Entries 46
Mean 0.007707
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

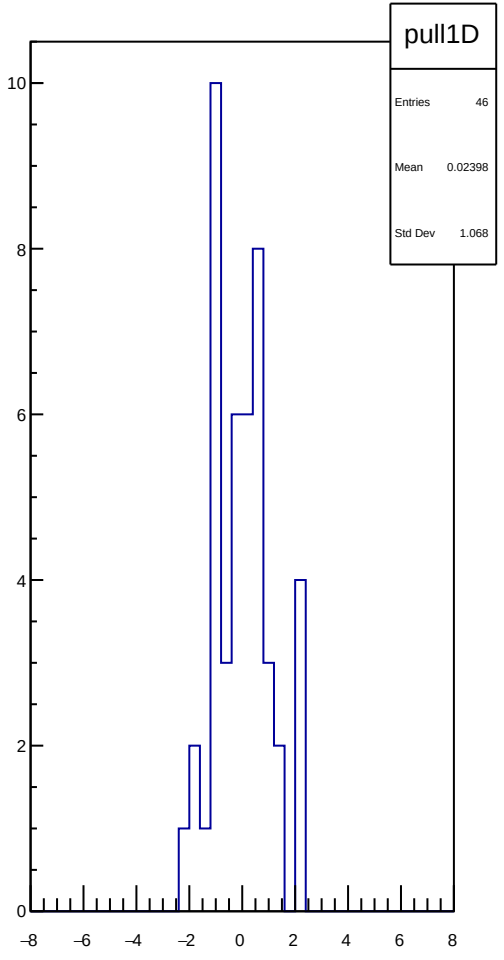

dit_asym_at2_avg_rms vs run
χ² / ndf 6838 / 45
p0 2263 ± 2.447
6000
5500
5000
4500
4000
3500
3000
2500
2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

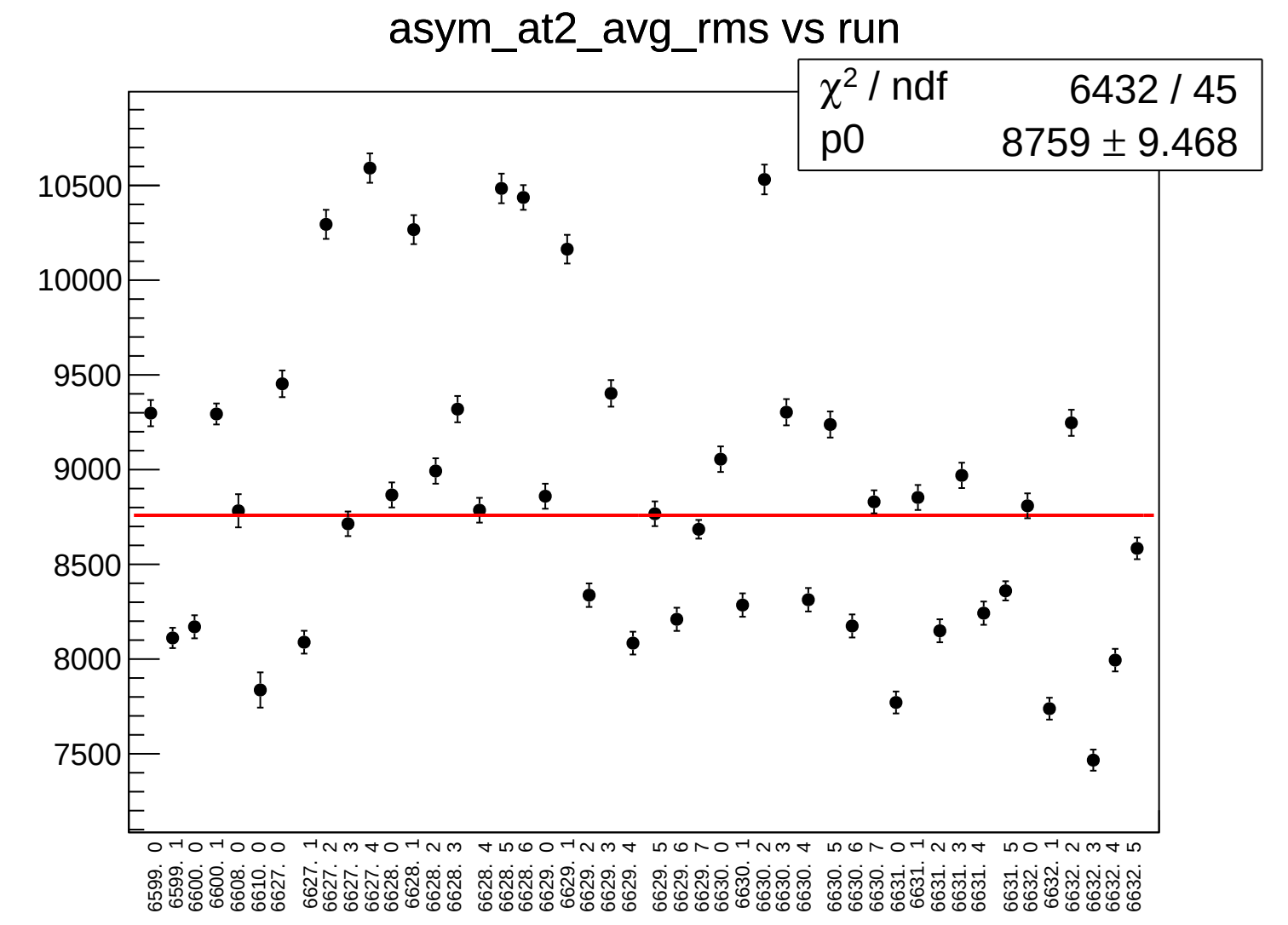

asym_at2_avg_correction_mean vs run
χ² / ndf 57.07 / 45
p0 1.313e+04 ± 1.32e+04
×10³
pull
Entries 46
Mean −35.83
Std Dev 66.59

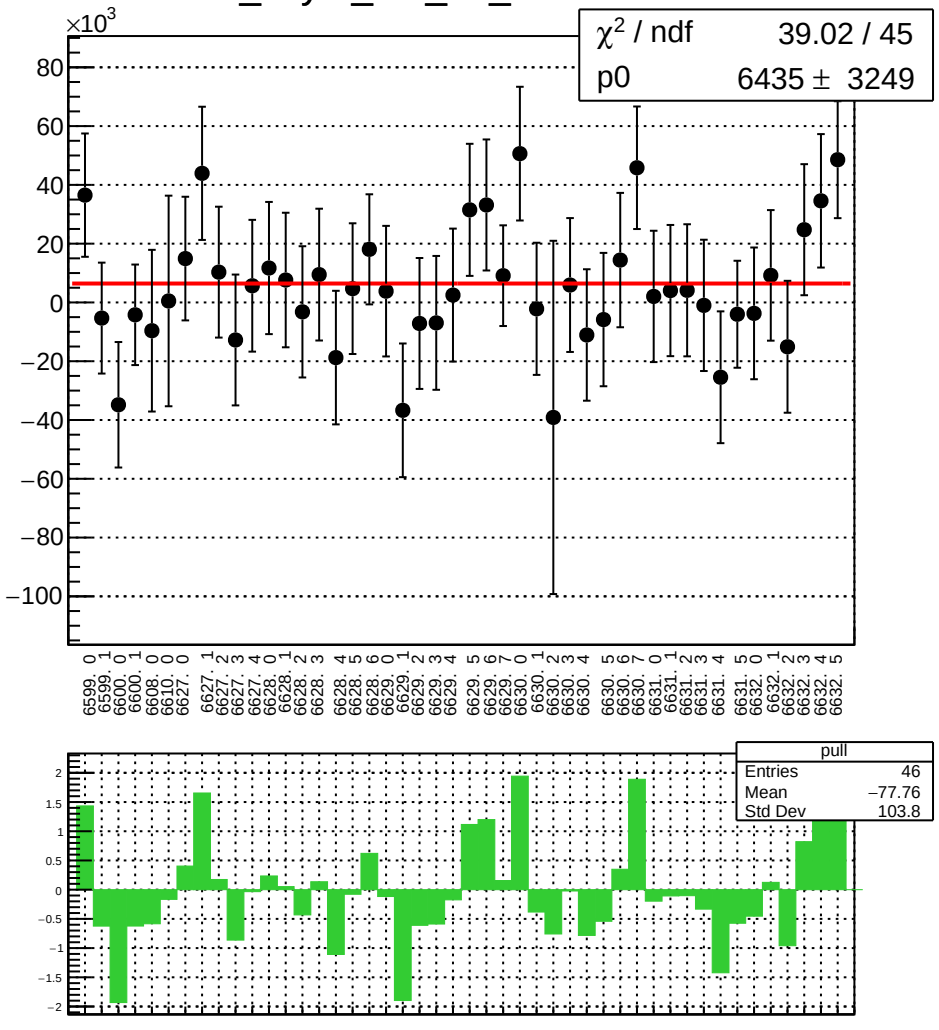

pull1D
Entries 46
Mean −0.01974
Std Dev 1.114

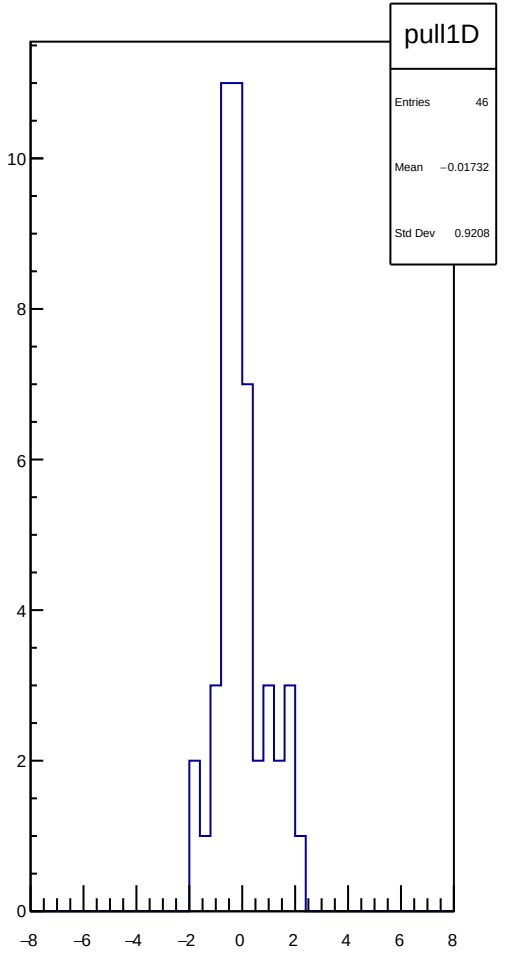

asym_at2_avg_correction_rms vs run
χ² / ndf 6902 / 45
p0 8631 ± 9.332
10500
10000
9500
9000
8500
8000
7500
7000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

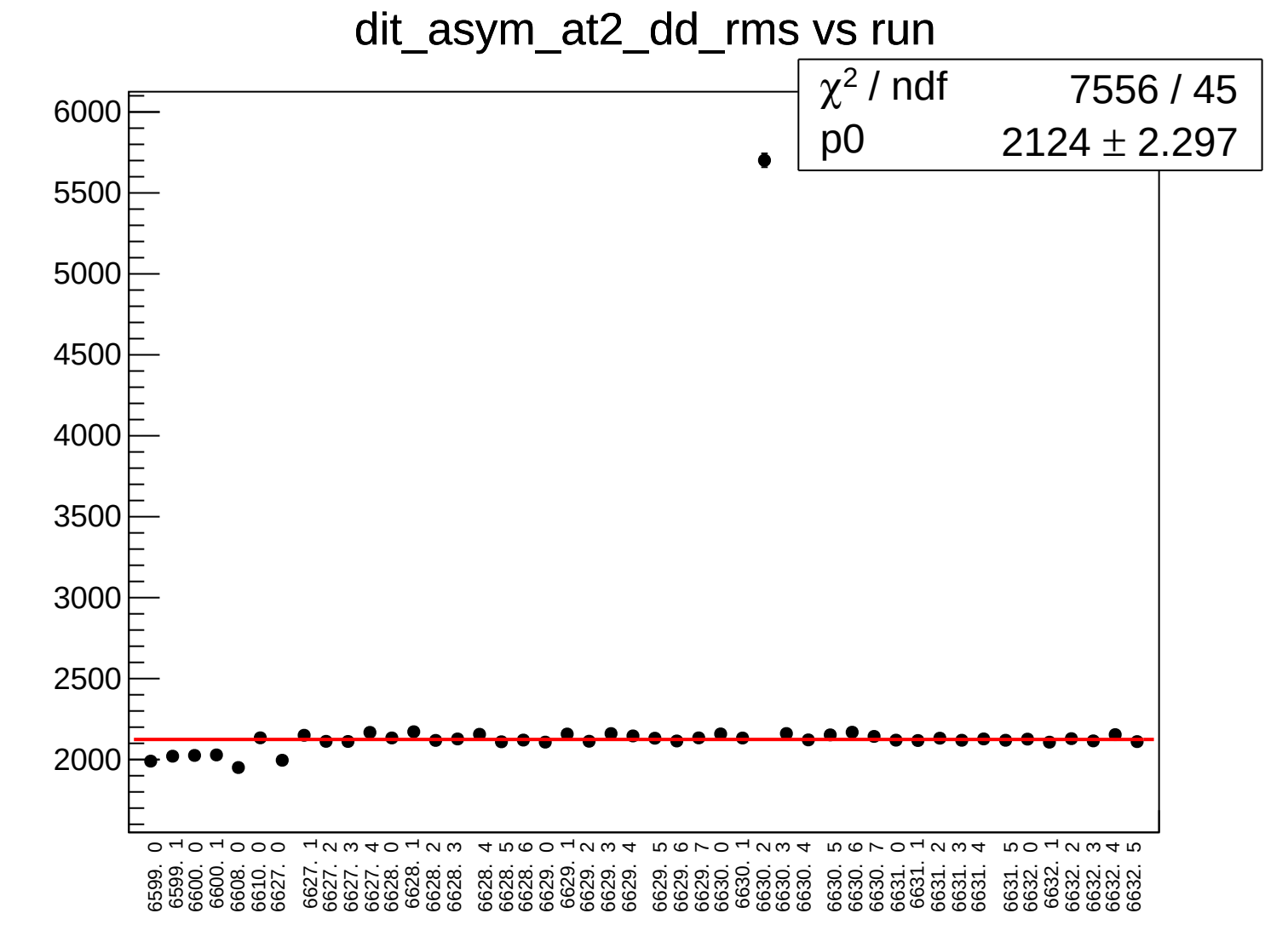

asym_at2_avg_mean vs run
×10^3
χ² / ndf 52.45 / 45
p0 −2833 ± 1.339e+04
pull
Entries 46
Mean −6.226
Std Dev 40.46

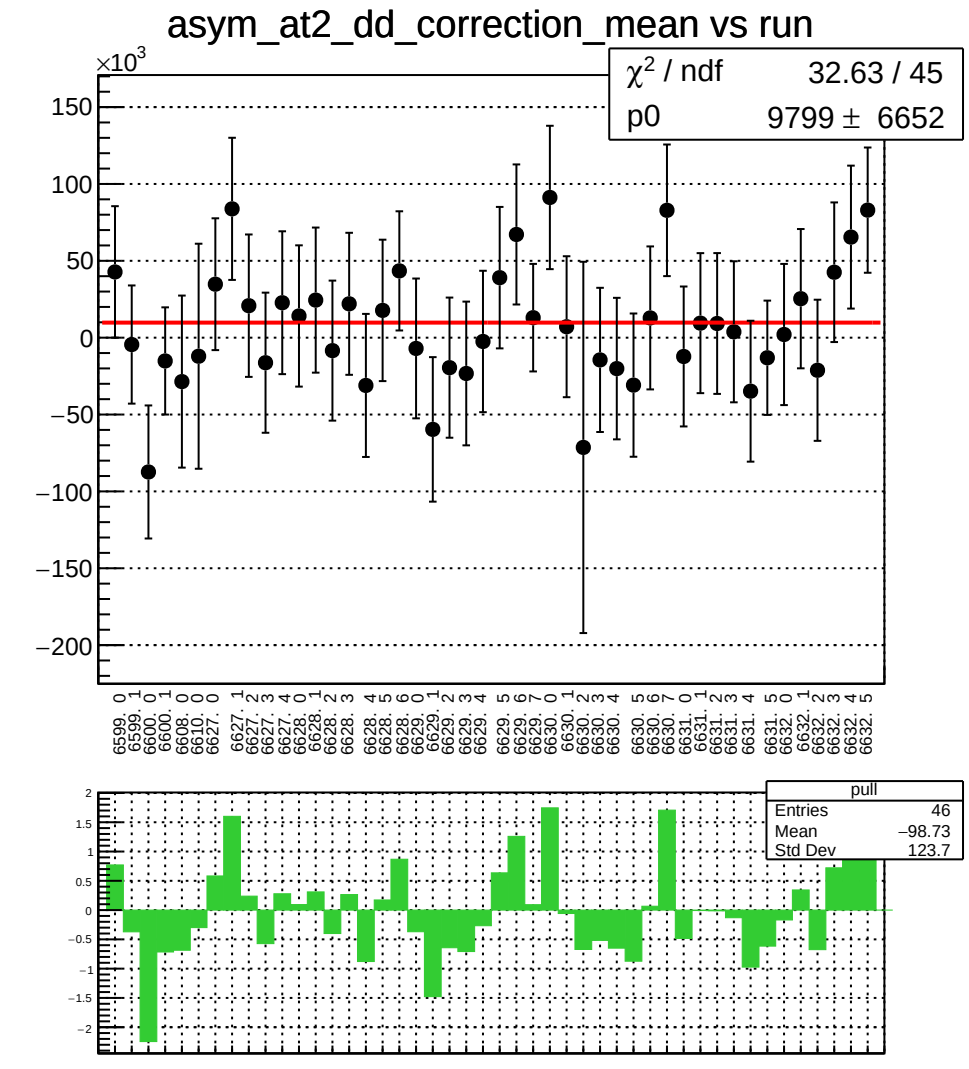

pull1D
Entries 46
Mean 0.02398
Std Dev 1.068

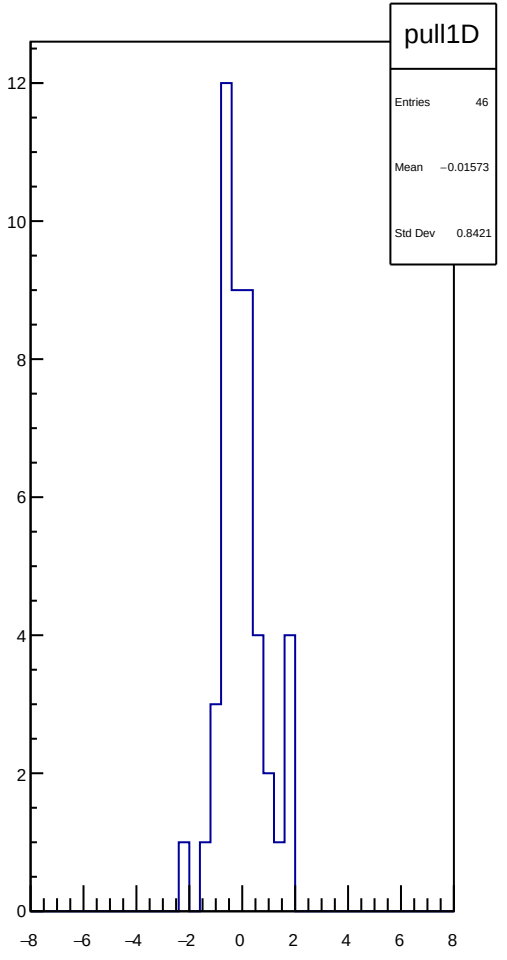

asym_at2_avg_rms vs run
χ^2 / ndf 6432 / 45
p0 8759 ± 9.468
10500
10000
9500
9000
8500
8000
7500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

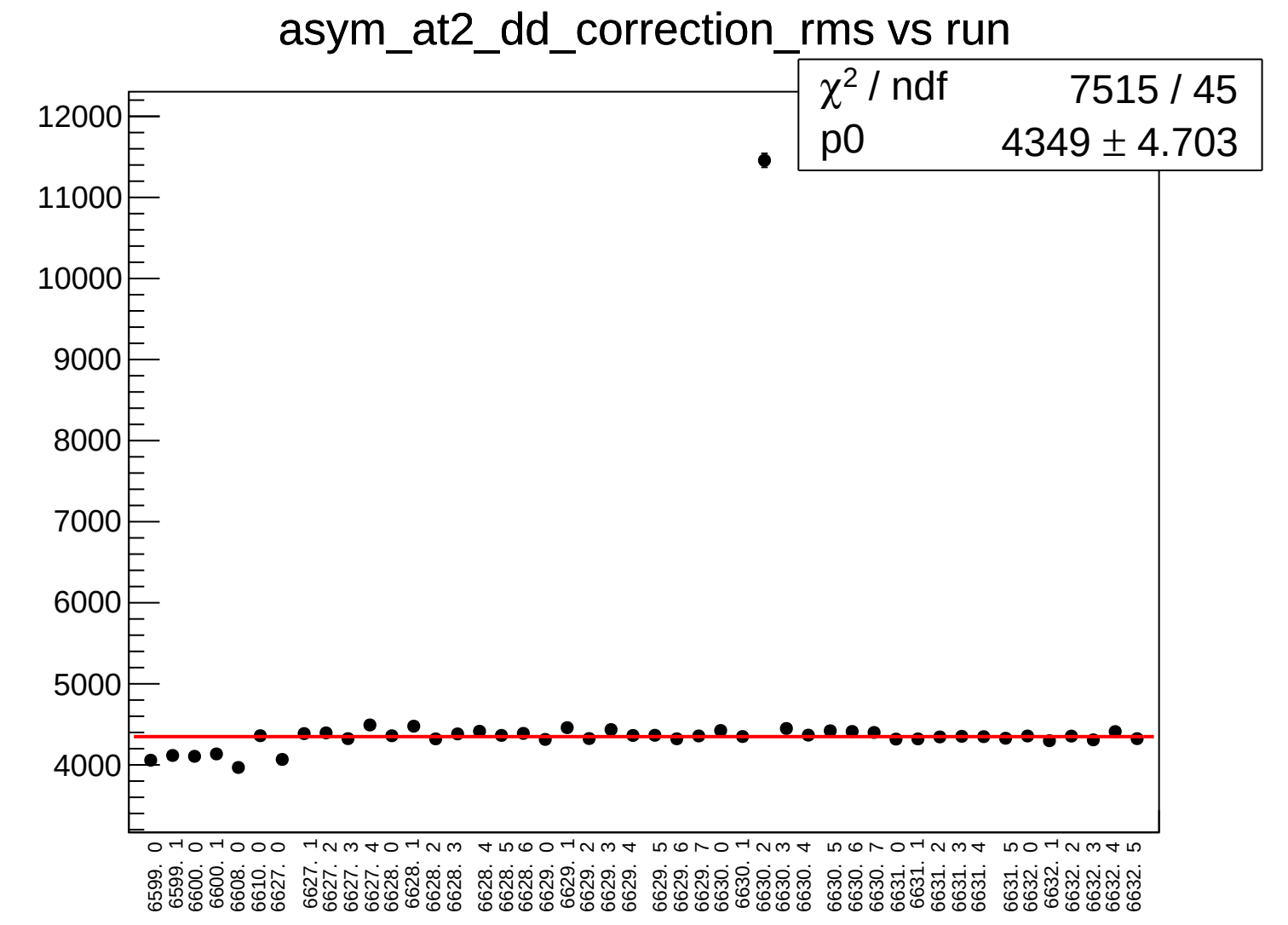

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 39.02 / 45
p0 6435 ± 3249
pull
Entries 46
Mean −77.76
Std Dev 103.8

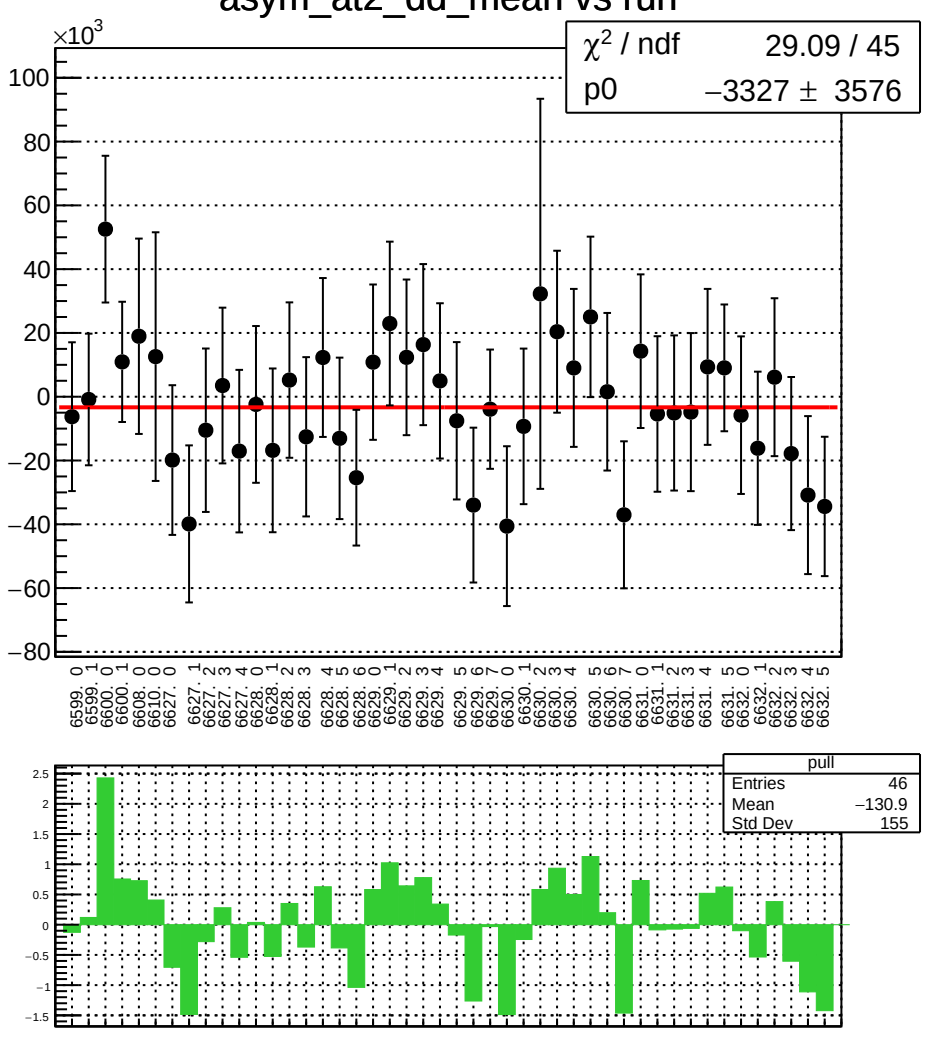

pull1D
Entries 46
Mean −0.01732
Std Dev 0.9208

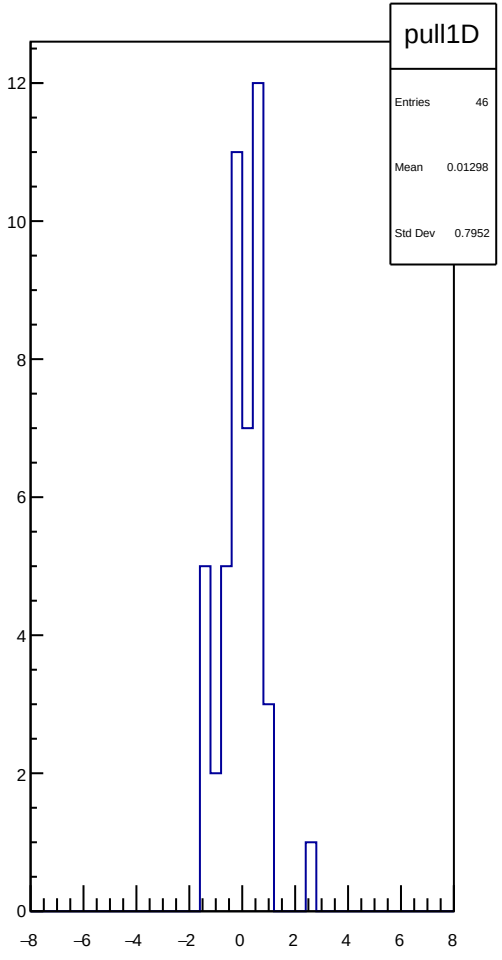

dit_asym_at2_dd_rms vs run
χ^2 / ndf 7556 / 45
p0 2124 ± 2.297
6000
5500
5000
4500
4000
3500
3000
2500
2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

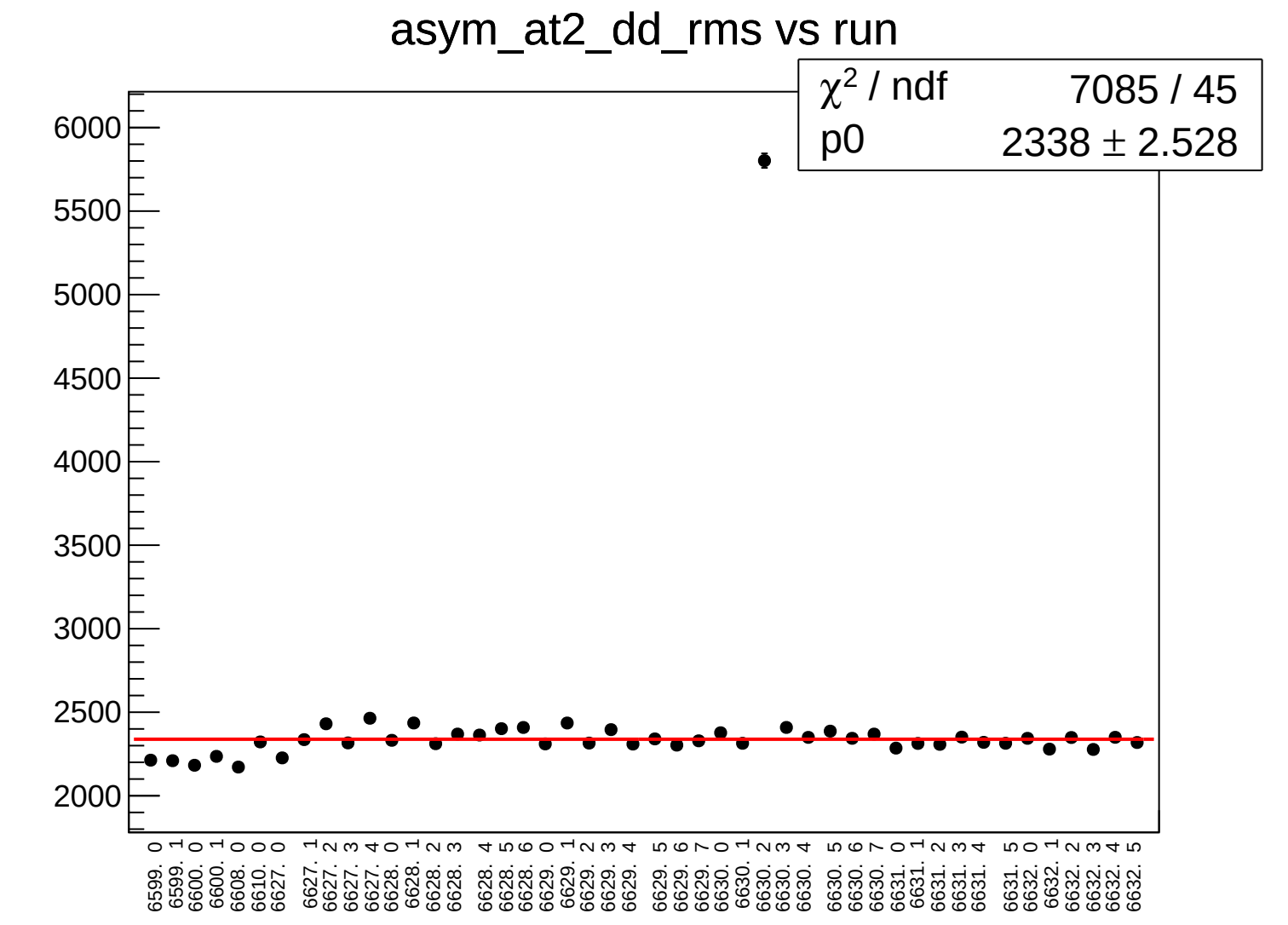

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 32.63 / 45
p0 9799 ± 6652
150
100
50
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −98.73
Std Dev 123.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

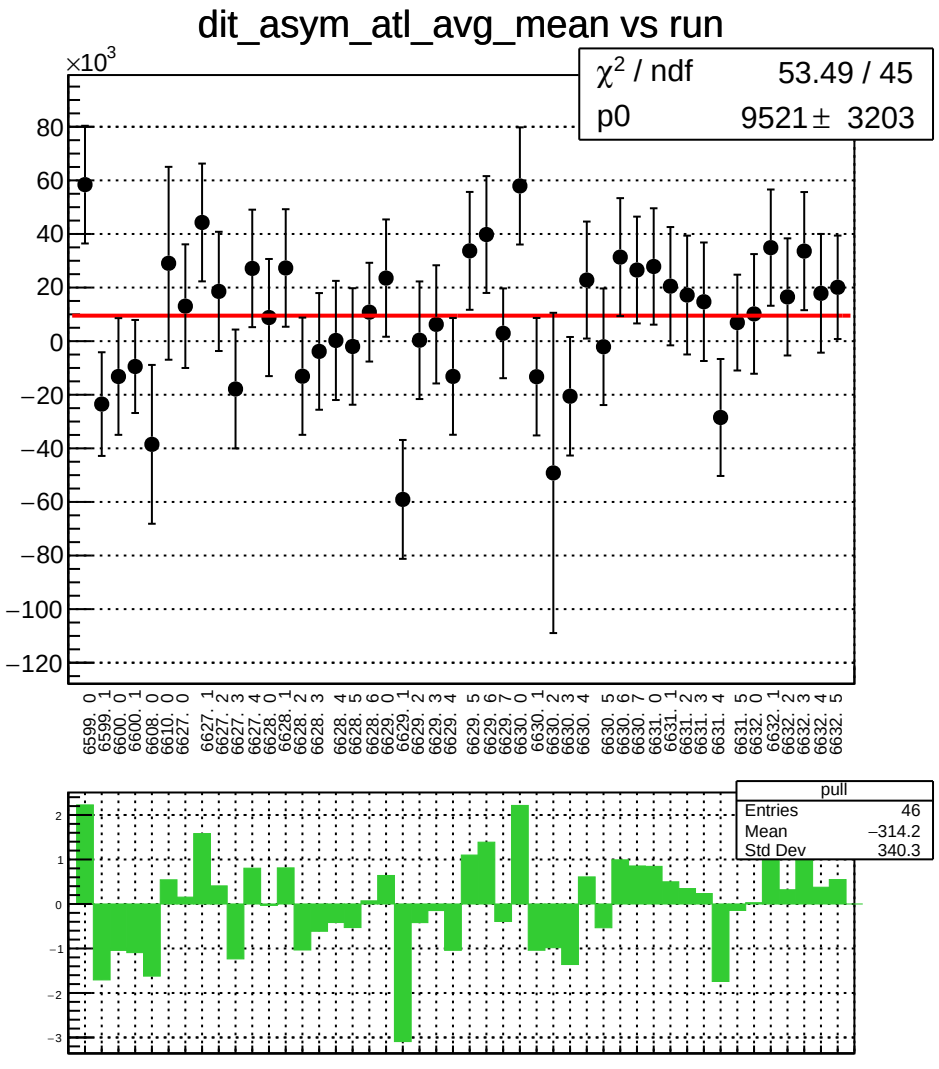

pull1D
Entries 46
Mean −0.01573
Std Dev 0.8421
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

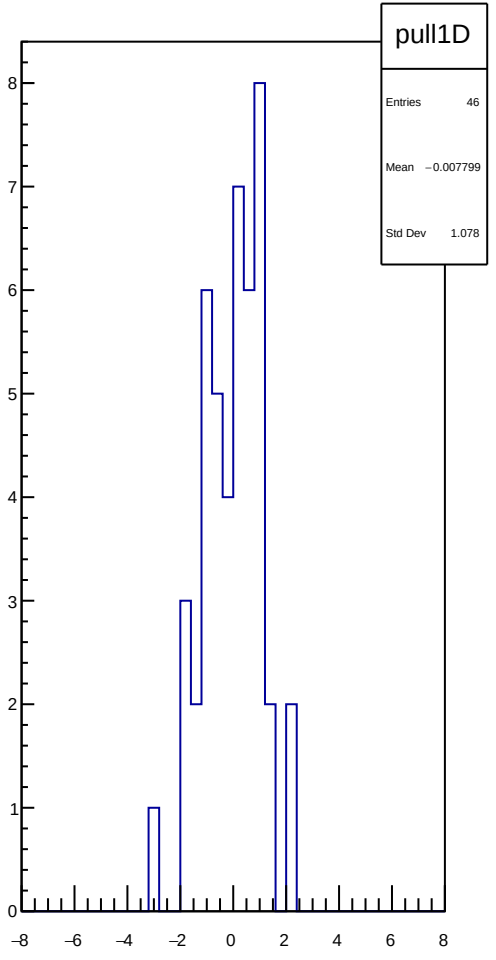

asym_at2_dd_correction_rms vs run
χ² / ndf 7515 / 45
p0 4349 ± 4.703
12000
11000
10000
9000
8000
7000
6000
5000
4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

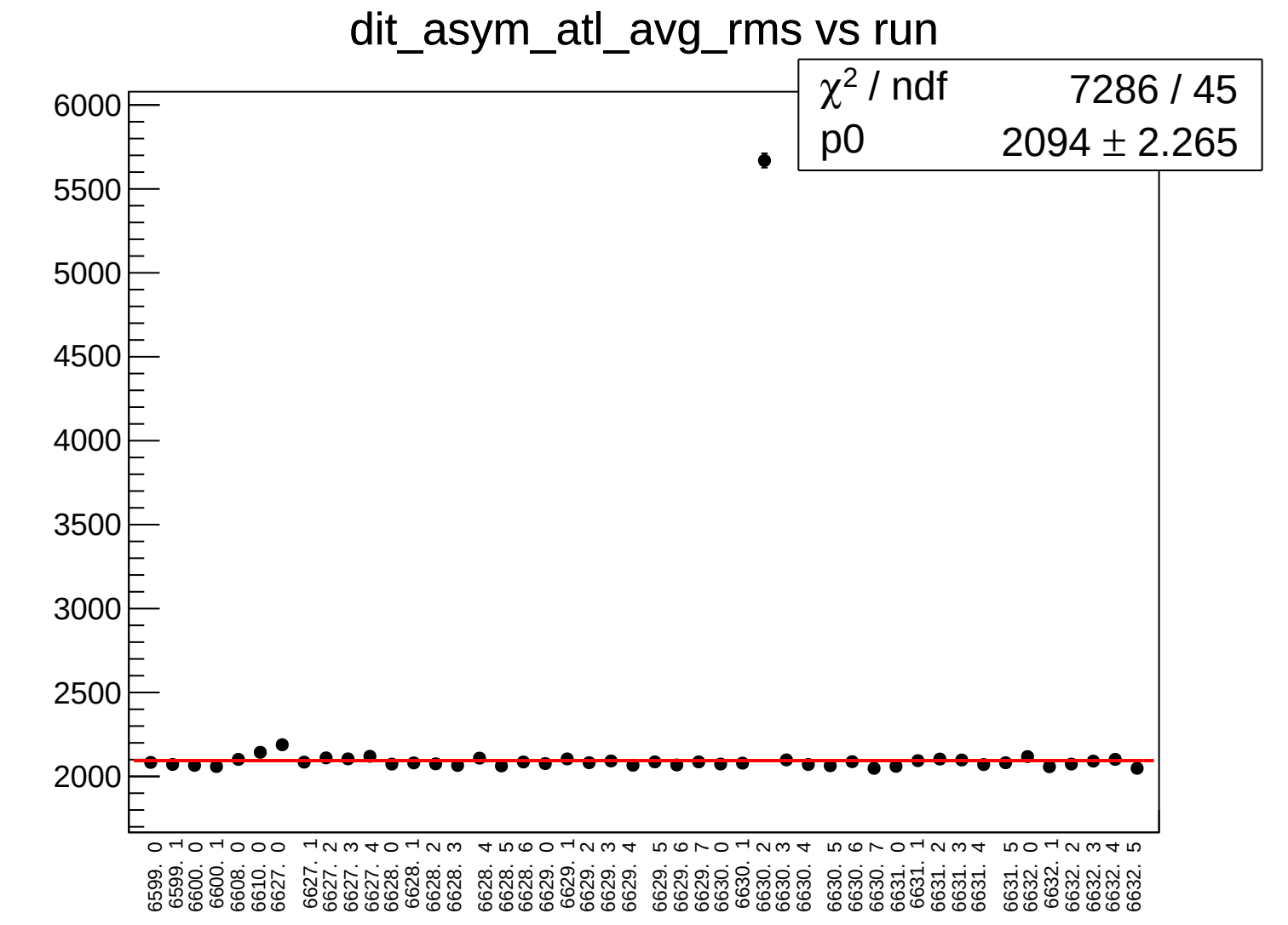

asym_at2_dd_mean vs run
×10^3
χ² / ndf 29.09 / 45
p0 −3327 ± 3576
pull
Entries 46
Mean −130.9
Std Dev 155

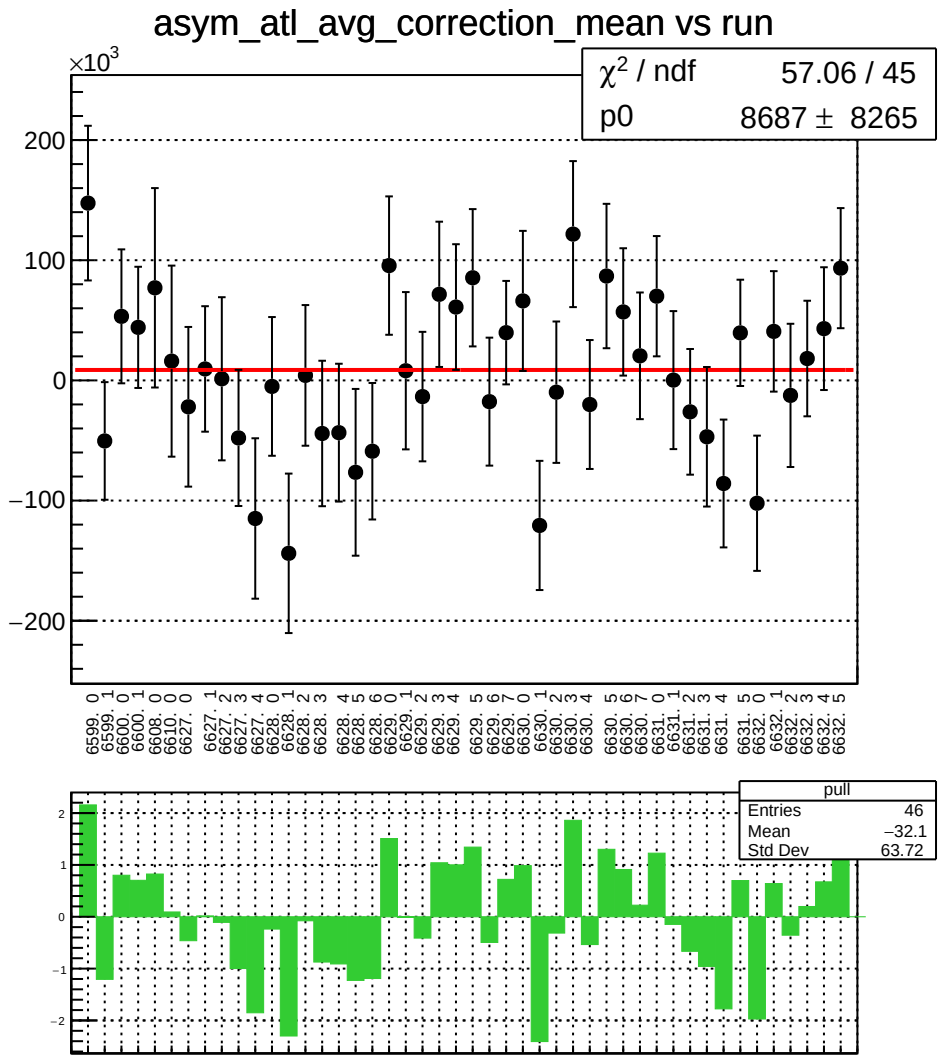

pull1D
Entries 46
Mean 0.01298
Std Dev 0.7952

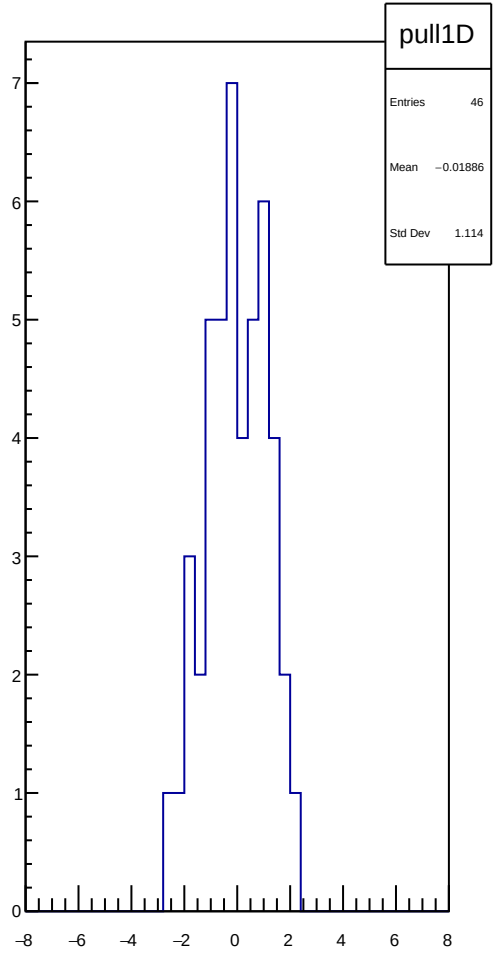

asym_at2_dd_rms vs run
χ² / ndf 7085 / 45
p0 2338 ± 2.528
6000
5500
5000
4500
4000
3500
3000
2500
2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

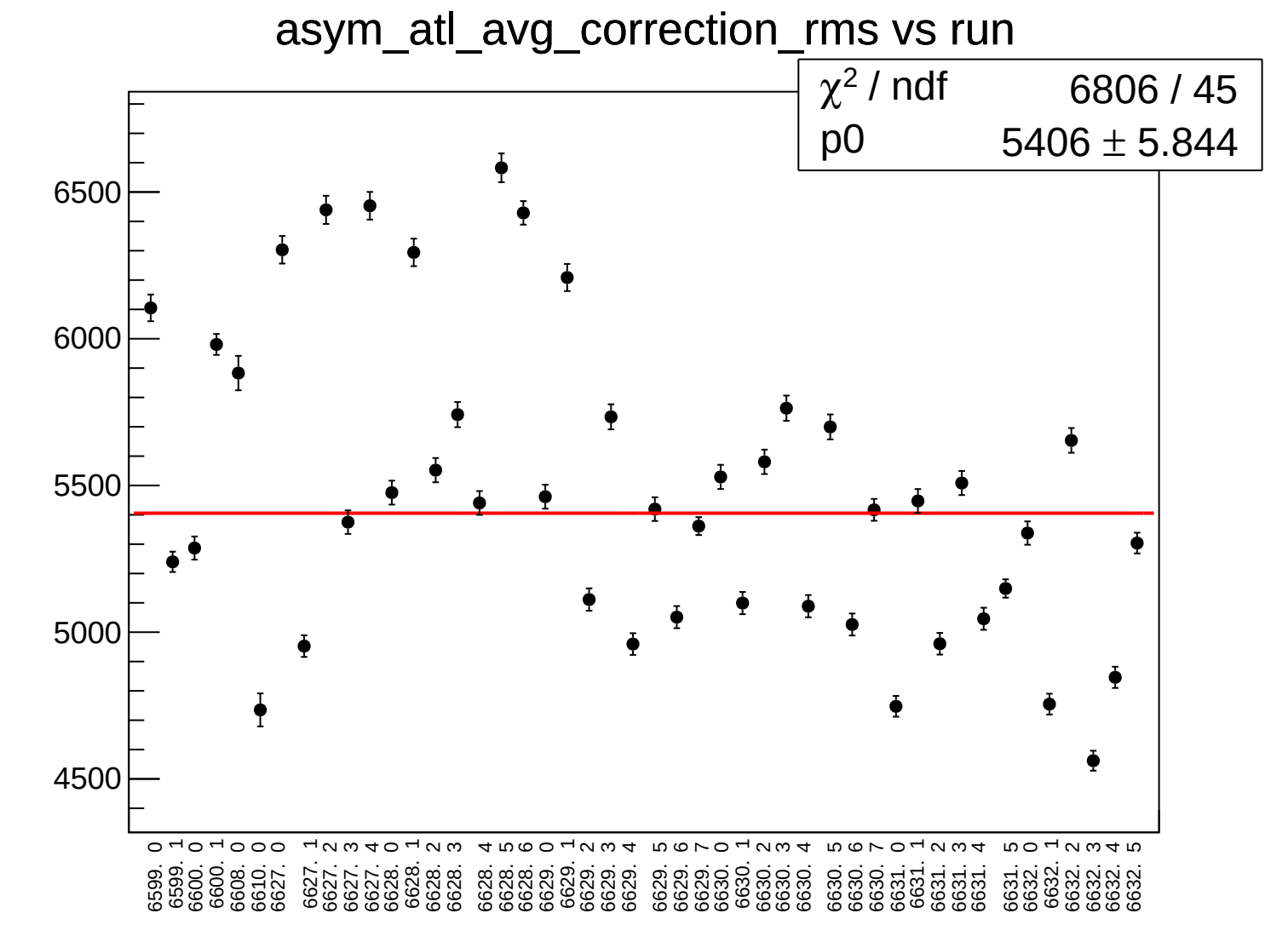

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 53.49 / 45
p0 9521 ± 3203
pull
Entries 46
Mean −314.2
Std Dev 340.3

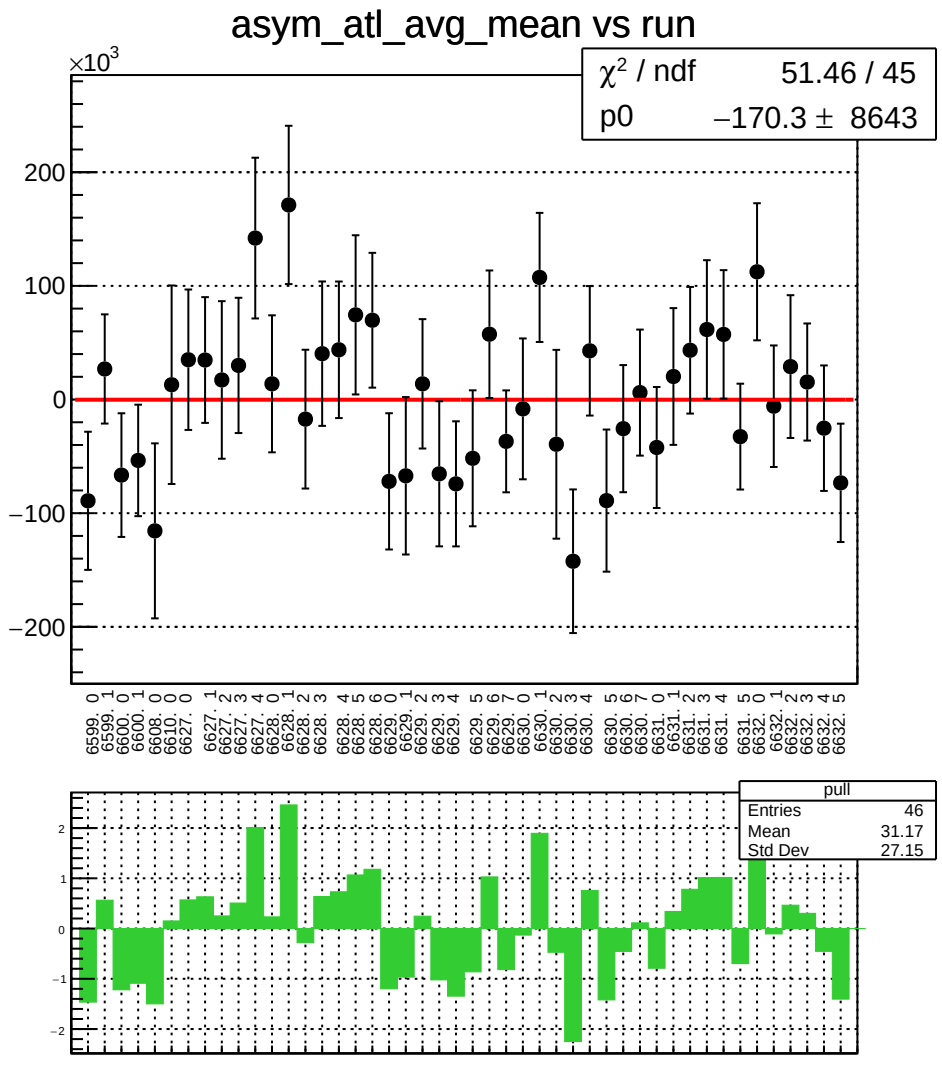

pull1D
Entries 46
Mean −0.007799
Std Dev 1.078

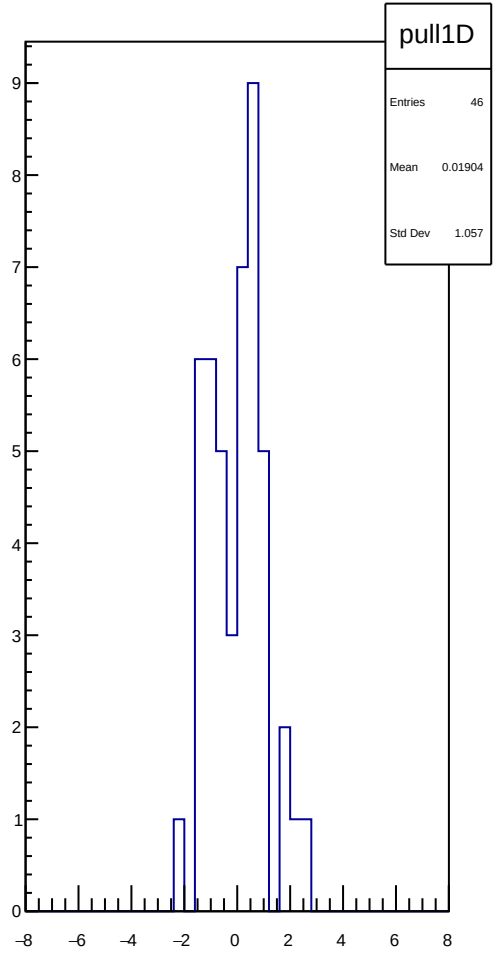

dit_asym_atl_avg_rms vs run
χ² / ndf 7286 / 45
p0 2094 ± 2.265
6000
5500
5000
4500
4000
3500
3000
2500
2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

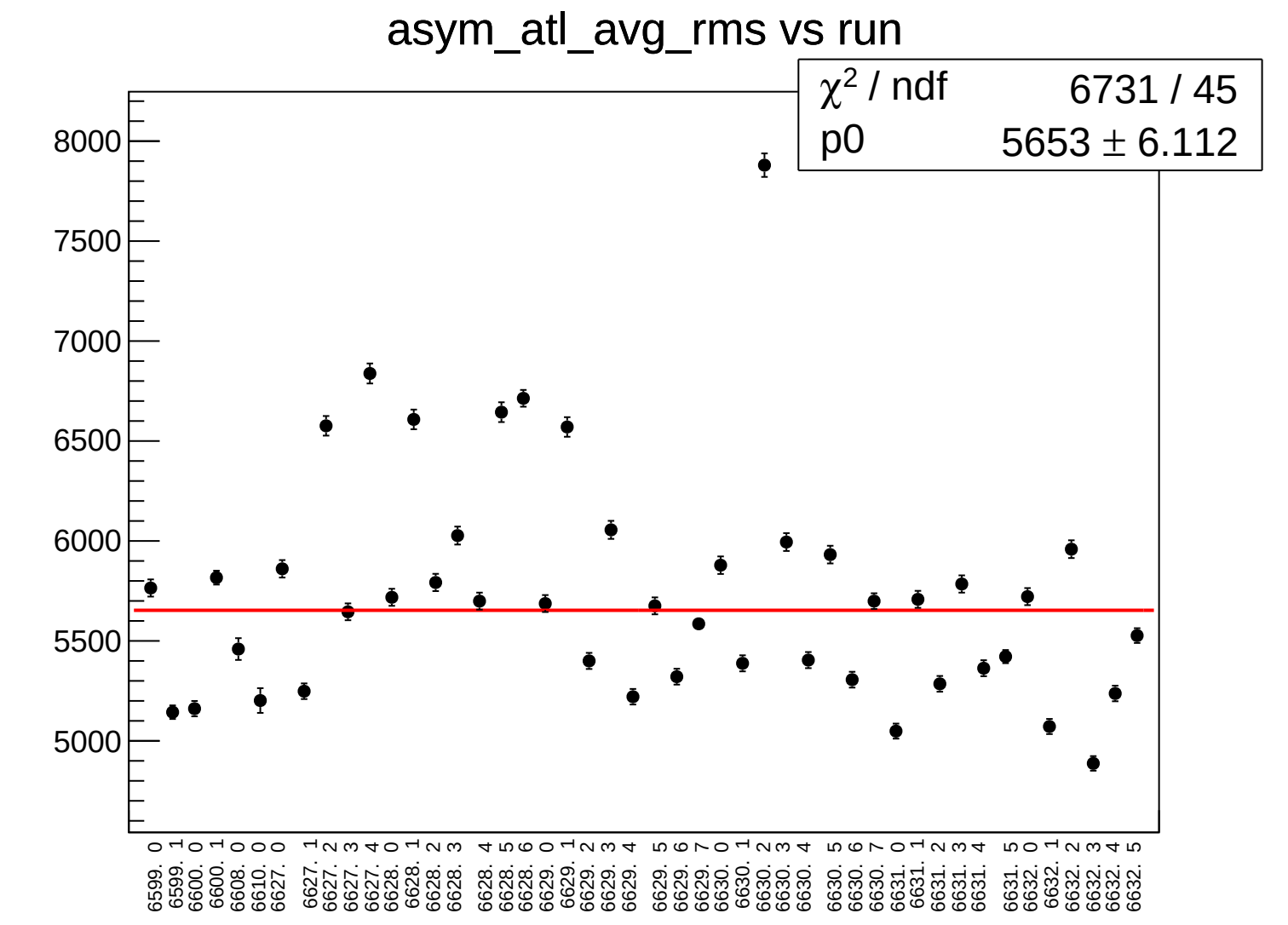

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 57.06 / 45
p0 8687 ± 8265
200
100
0
−100
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −32.1
Std Dev 63.72
2
1
0
−1
−2

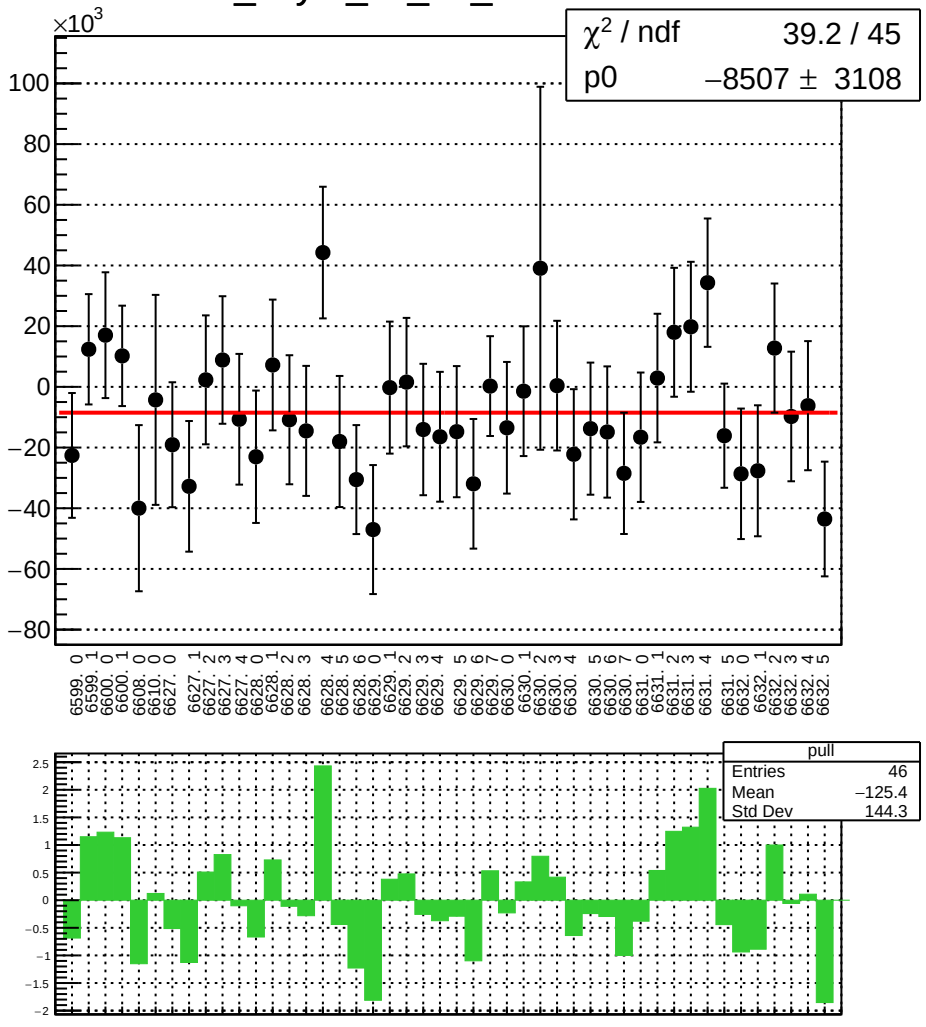

pull1D
Entries 46
Mean −0.01886
Std Dev 1.114
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

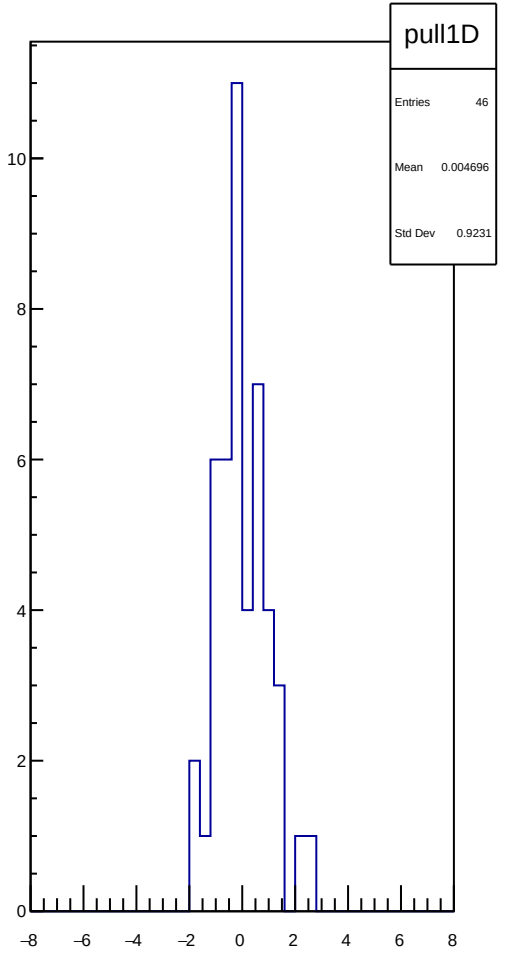

asym_atl_avg_correction_rms vs run
χ² / ndf 6806 / 45
p0 5406 ± 5.844
6500
6000
5500
5000
4500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

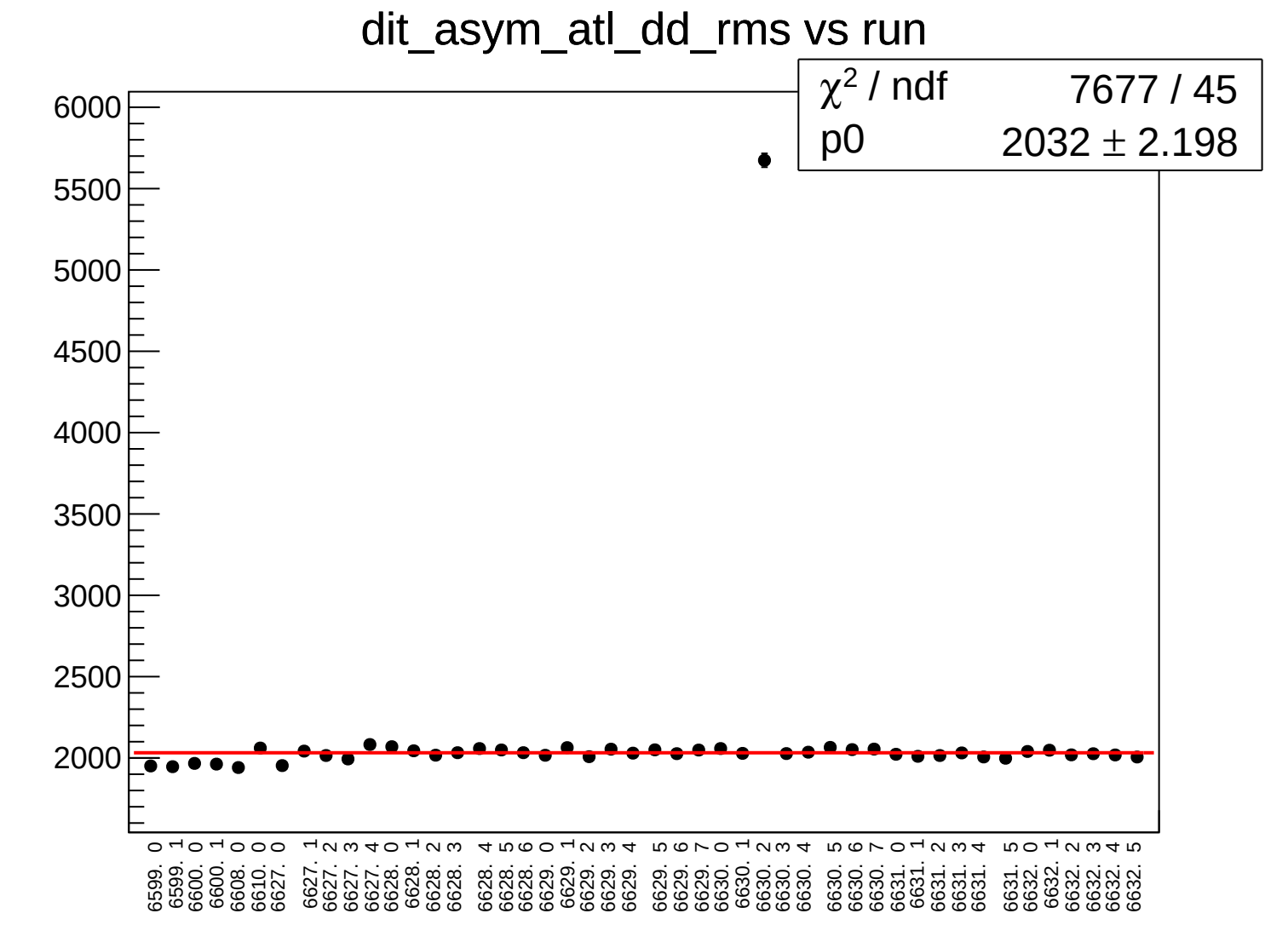

asym_atl_avg_mean vs run
×10^3
χ² / ndf 51.46 / 45
p0 −170.3 ± 8643
200
100
0
−100
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 31.17
Std Dev 27.15
2
1
0
−1
−2

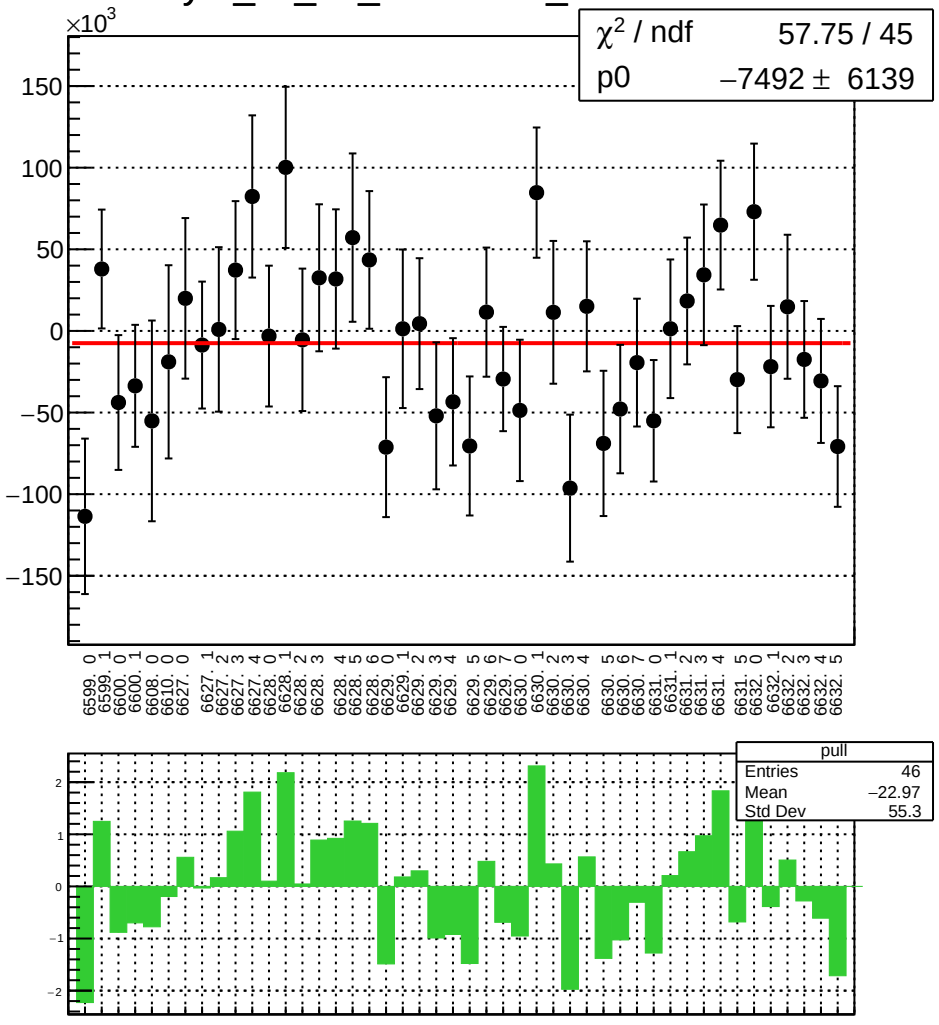

pull1D
Entries 46
Mean 0.01904
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

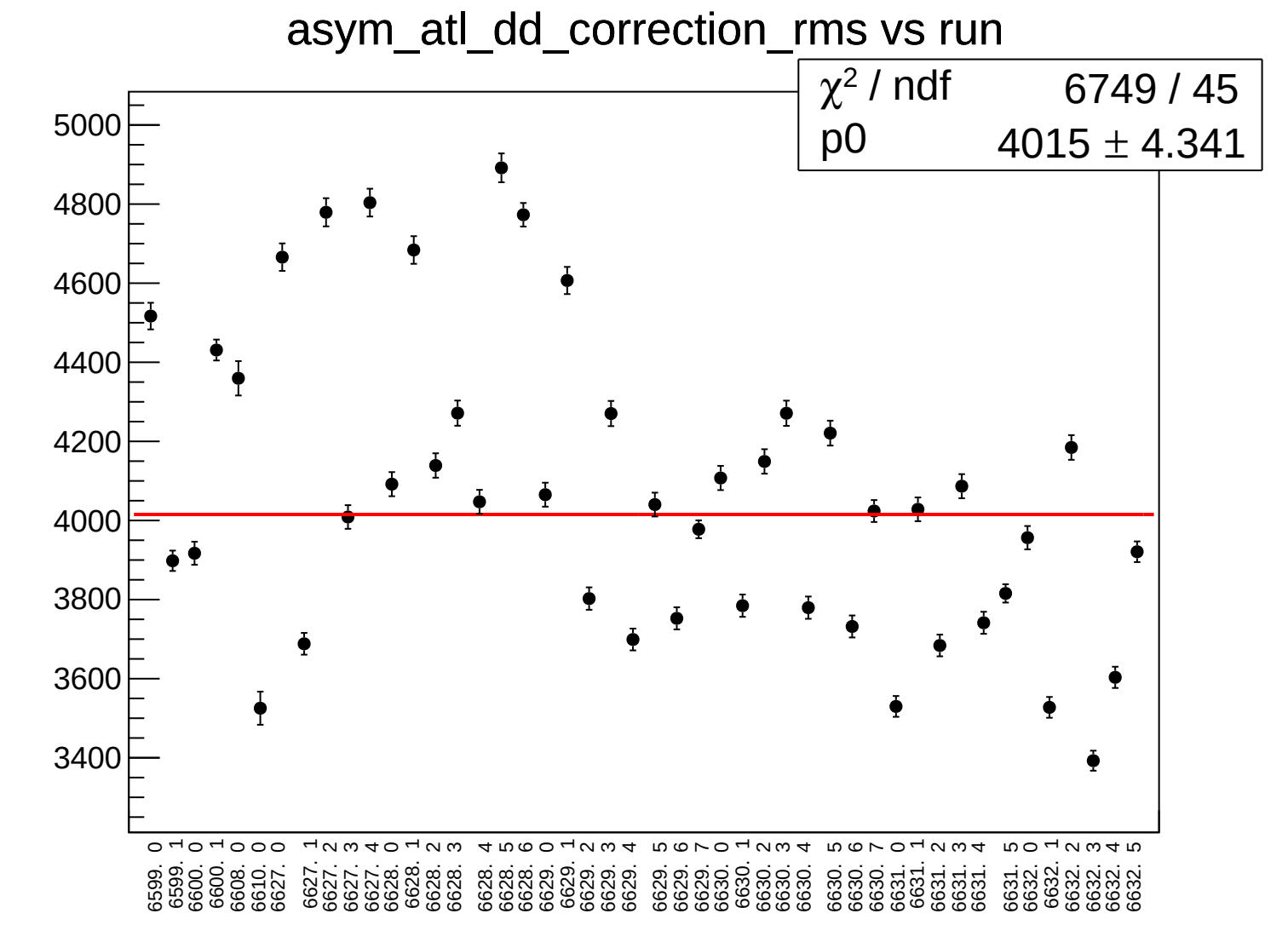

asym_atl_avg_rms vs run
χ^2 / ndf 6731 / 45
p0 5653 ± 6.112
8000
7500
7000
6500
6000
5500
5000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

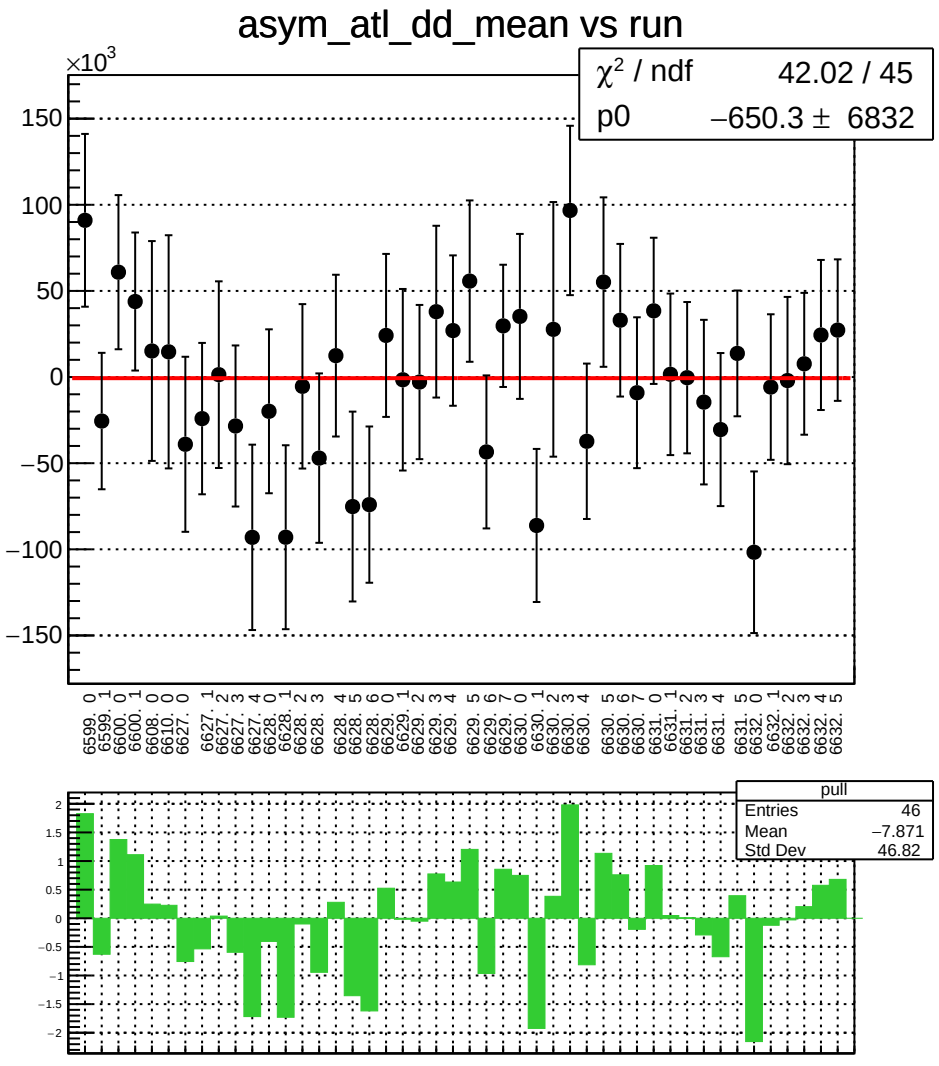

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 39.2 / 45
p0 −8507 ± 3108
pull
Entries 46
Mean −125.4
Std Dev 144.3

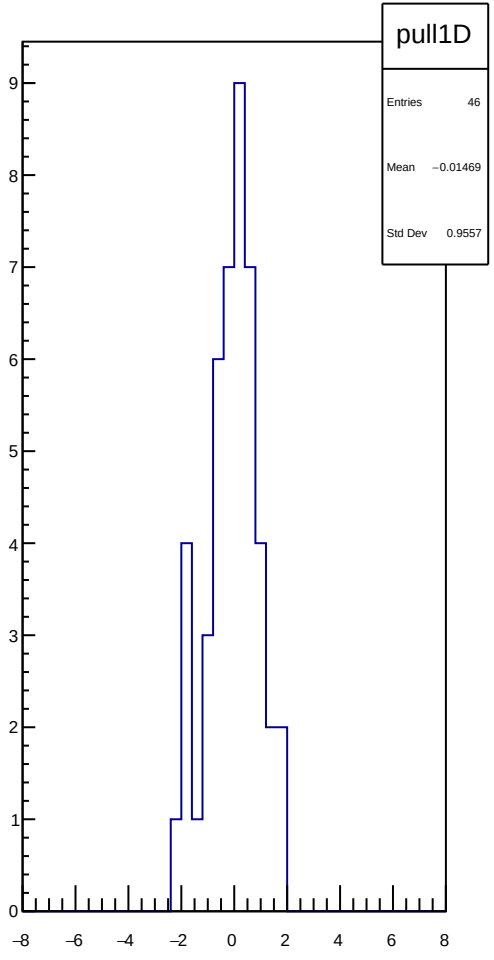

pull1D
Entries 46
Mean 0.004696
Std Dev 0.9231

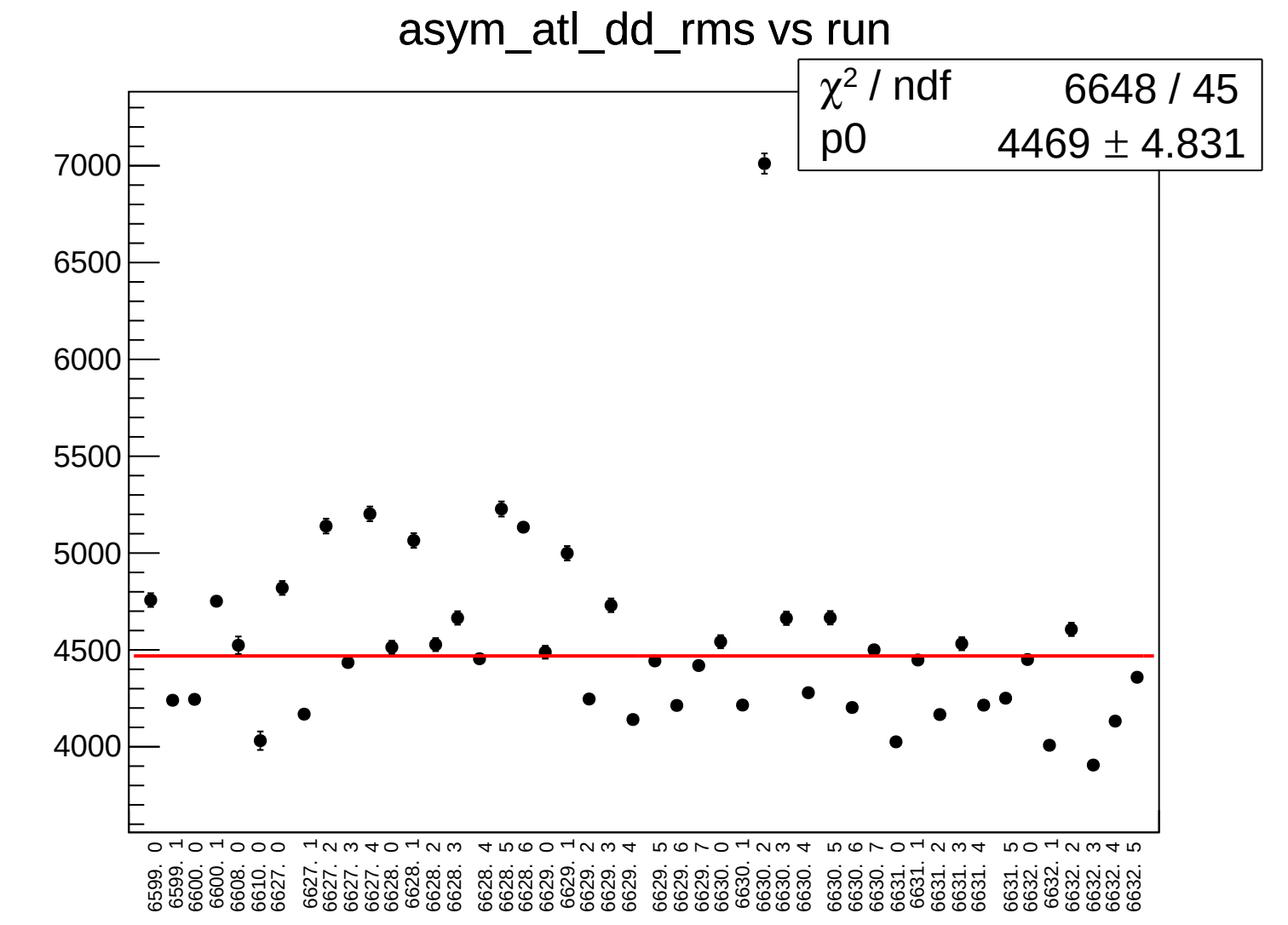

dit_asym_atl_dd_rms vs run
χ² / ndf 7677 / 45
p0 2032 ± 2.198
6000
5500
5000
4500
4000
3500
3000
2500
2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

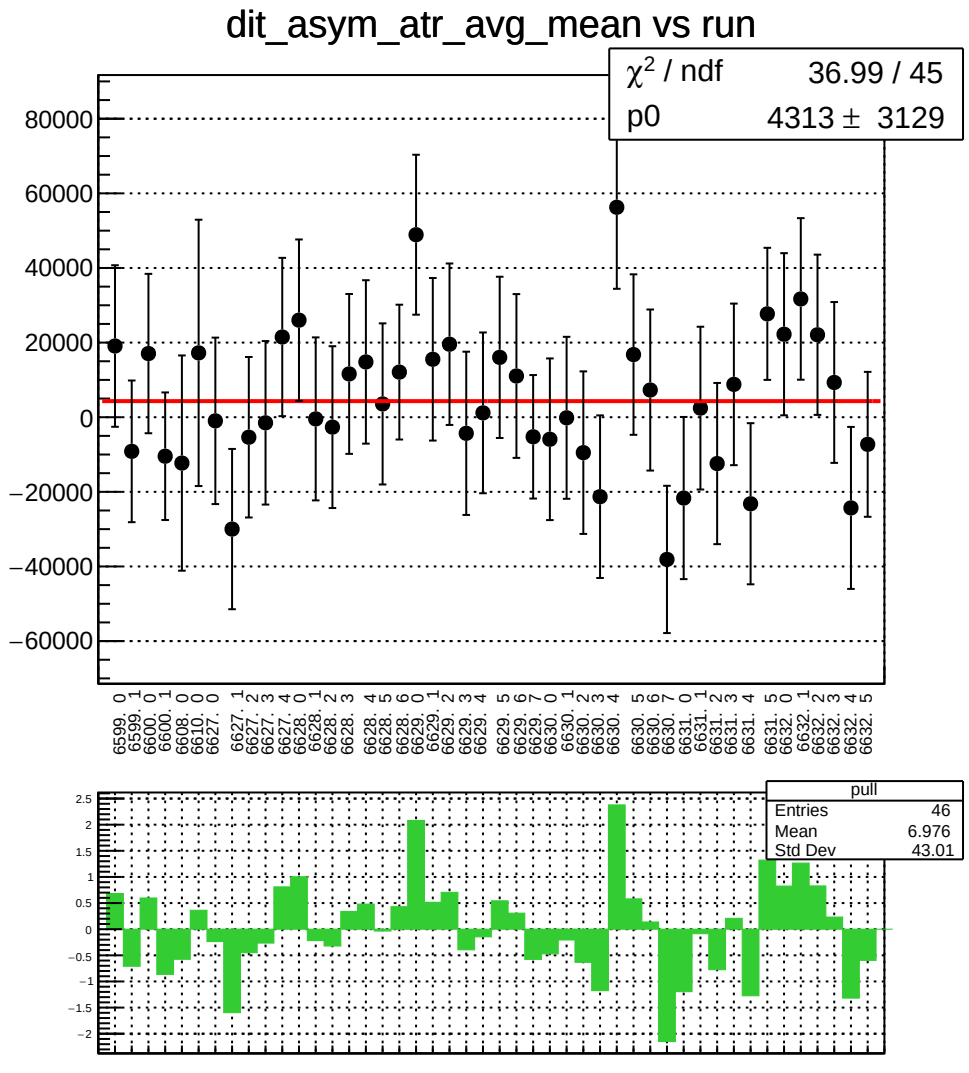

asym_atl_dd_correction_mean vs run
χ² / ndf 57.75 / 45
p0 −7492 ± 6139
×10³
150
100
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −22.97
Std Dev 55.3
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.01898
Std Dev 1.12
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

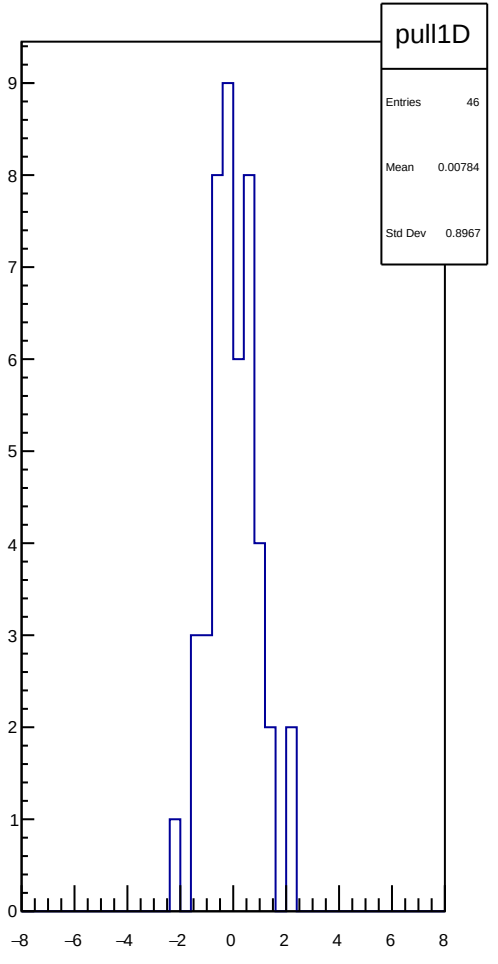

asym_atl_dd_correction_rms vs run
χ² / ndf 6749 / 45
p0 4015 ± 4.341
5000
4800
4600
4400
4200
4000
3800
3600
3400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

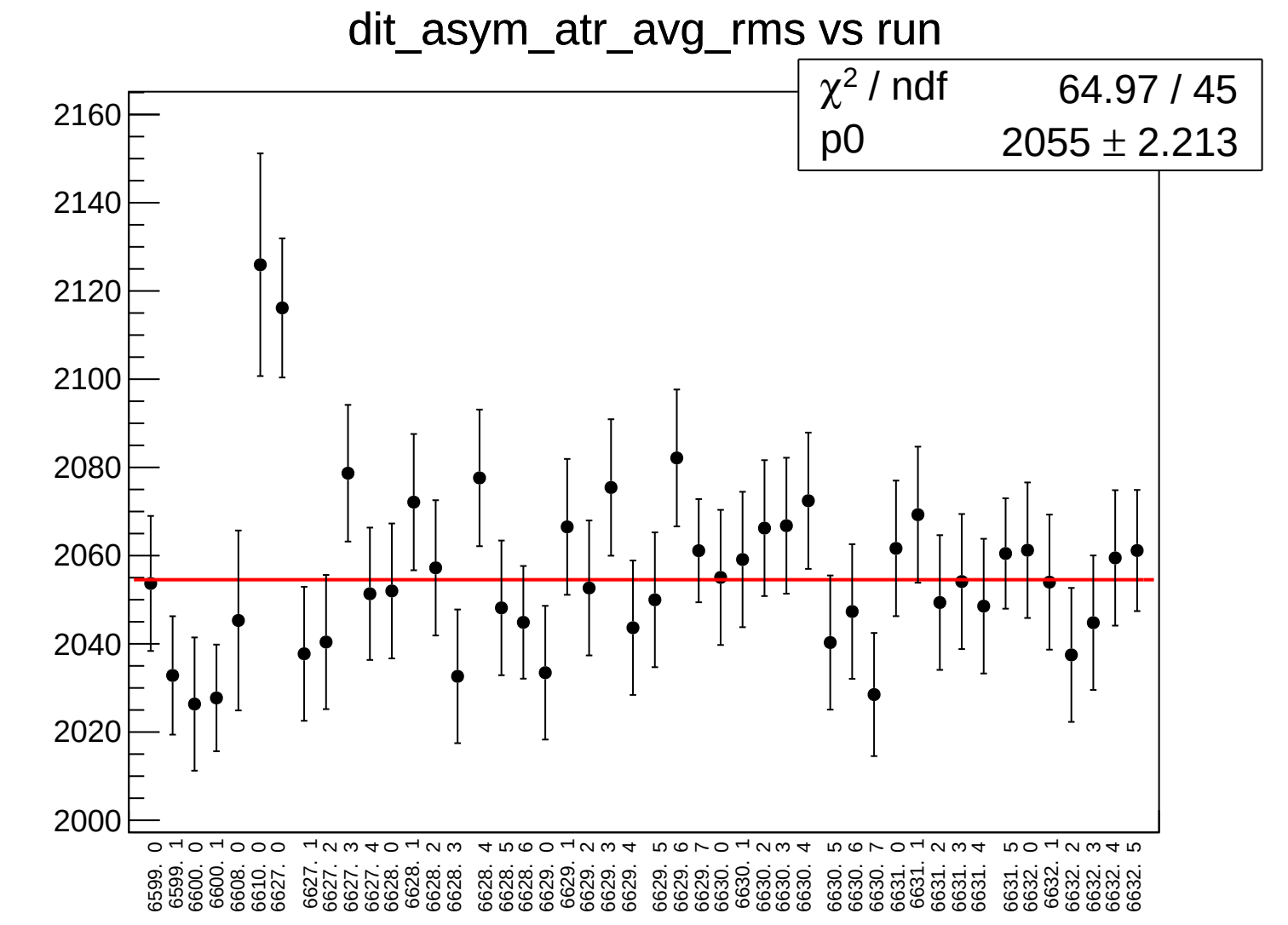

asym_atl_dd_mean vs run
×10^3
χ² / ndf 42.02 / 45
p0 −650.3 ± 6832
150
100
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −7.871
Std Dev 46.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

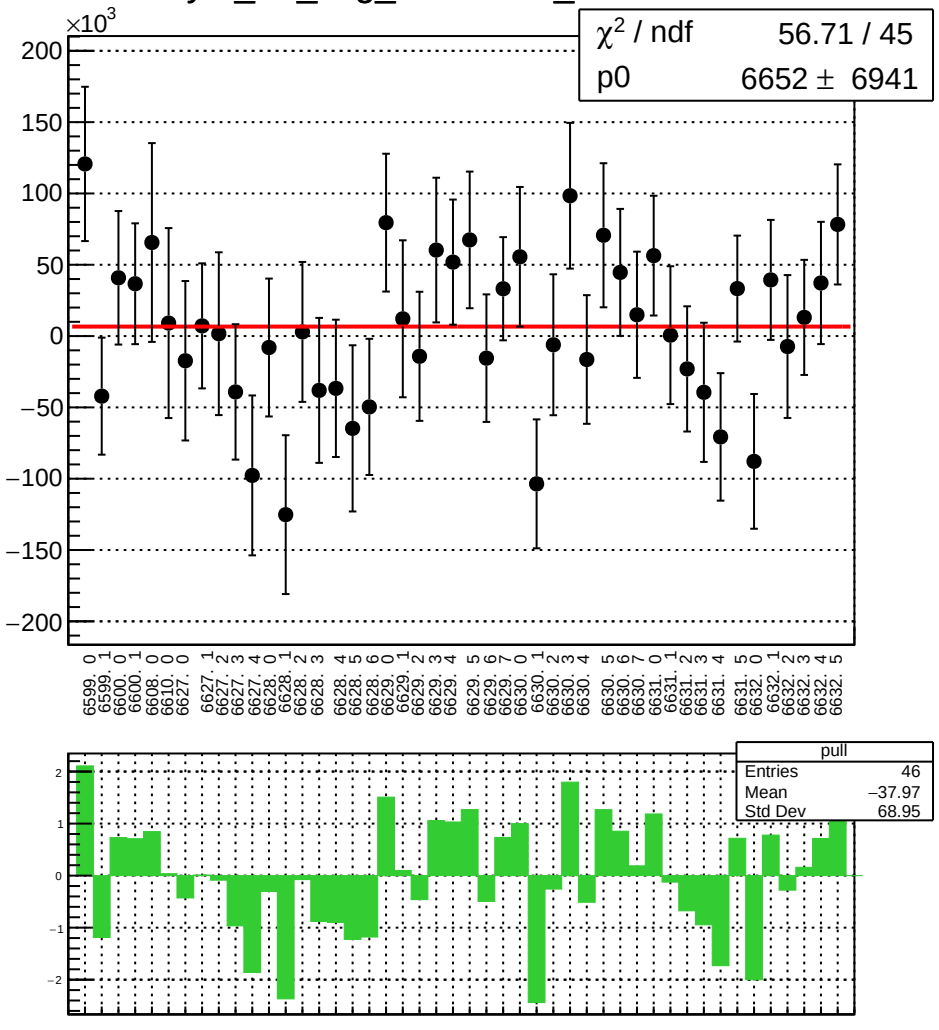

pull1D
Entries 46
Mean −0.01469
Std Dev 0.9557
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

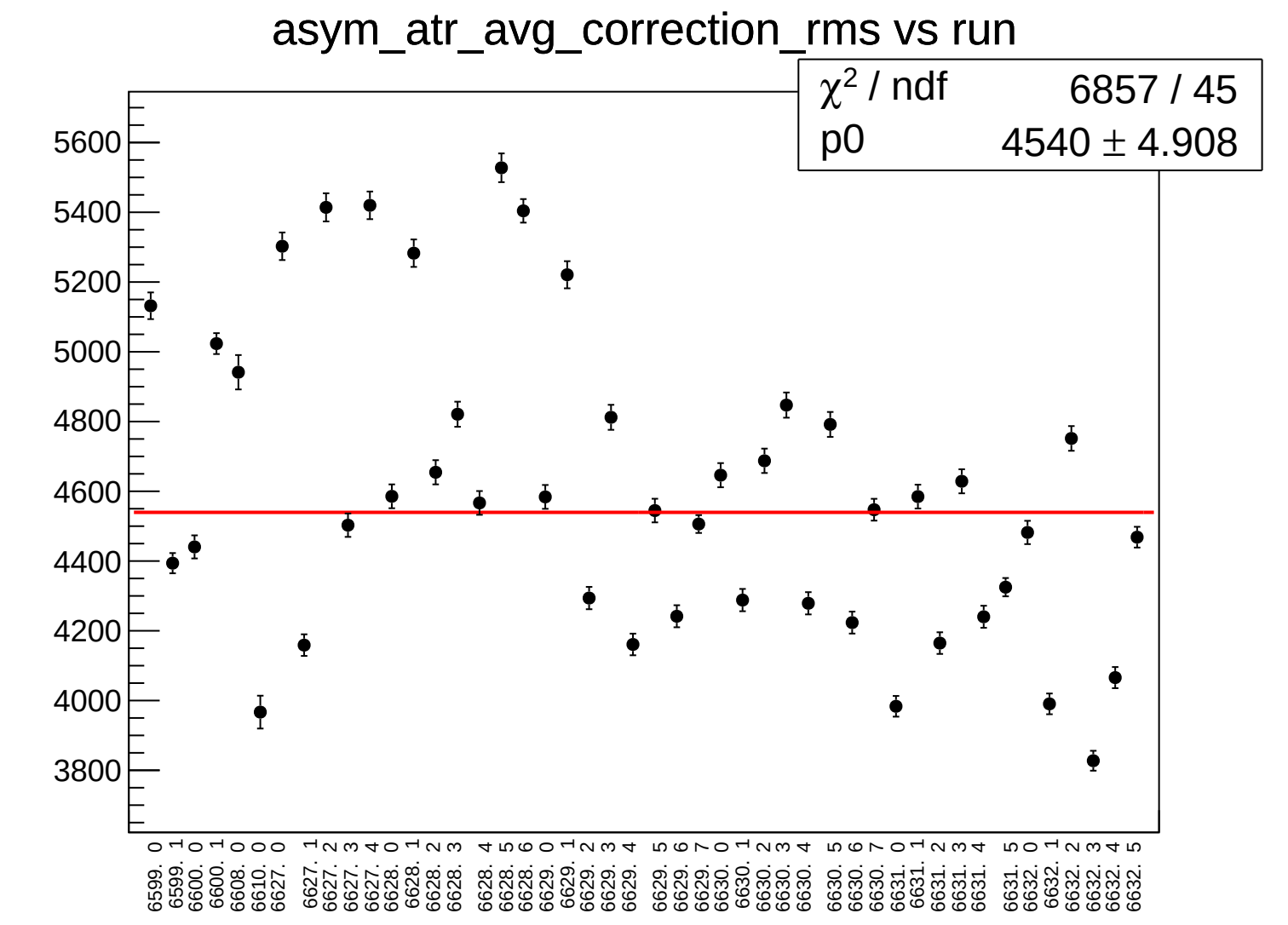

asym_atl_dd_rms vs run
χ² / ndf 6648 / 45
p0 4469 ± 4.831
7000
6500
6000
5500
5000
4500
4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

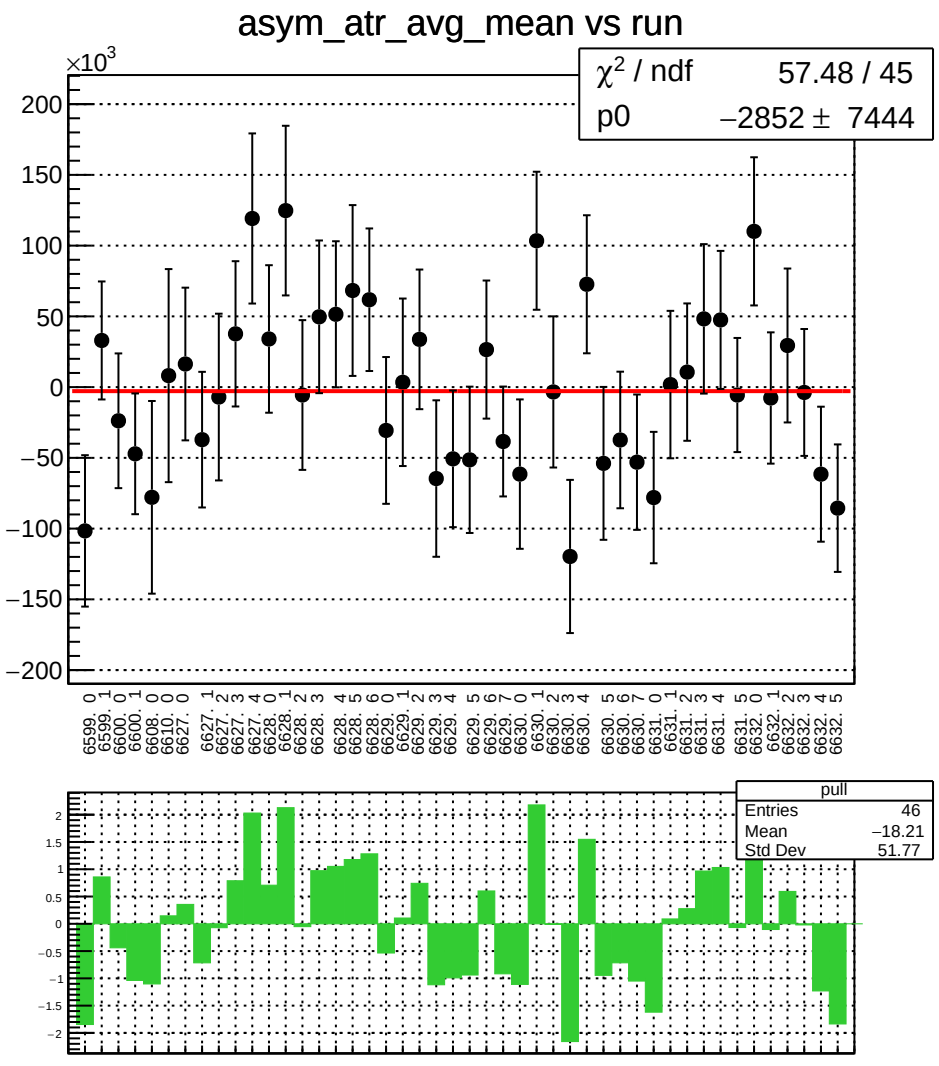

dit_asym_atr_avg_mean vs run
χ² / ndf 36.99 / 45
p0 4313 ± 3129
80000
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 6.976
Std Dev 43.01
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

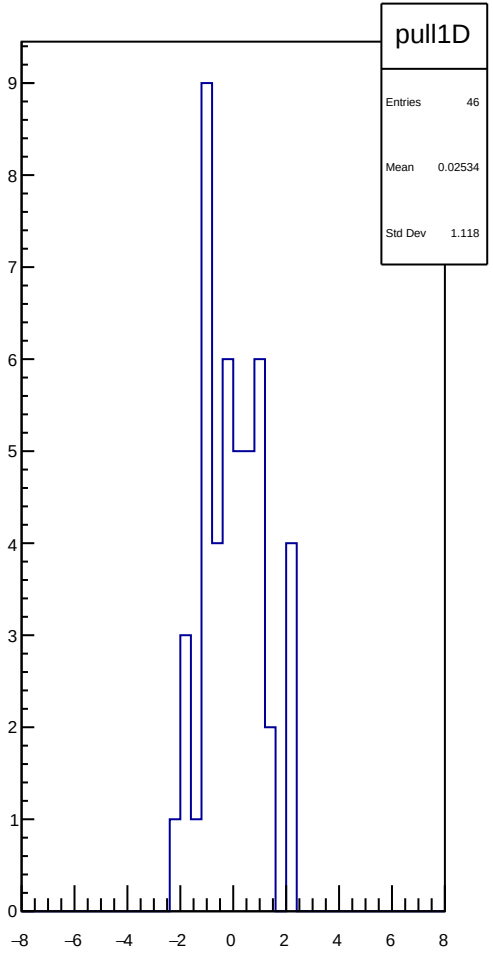

pull1D
Entries 46
Mean 0.00784
Std Dev 0.8967
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

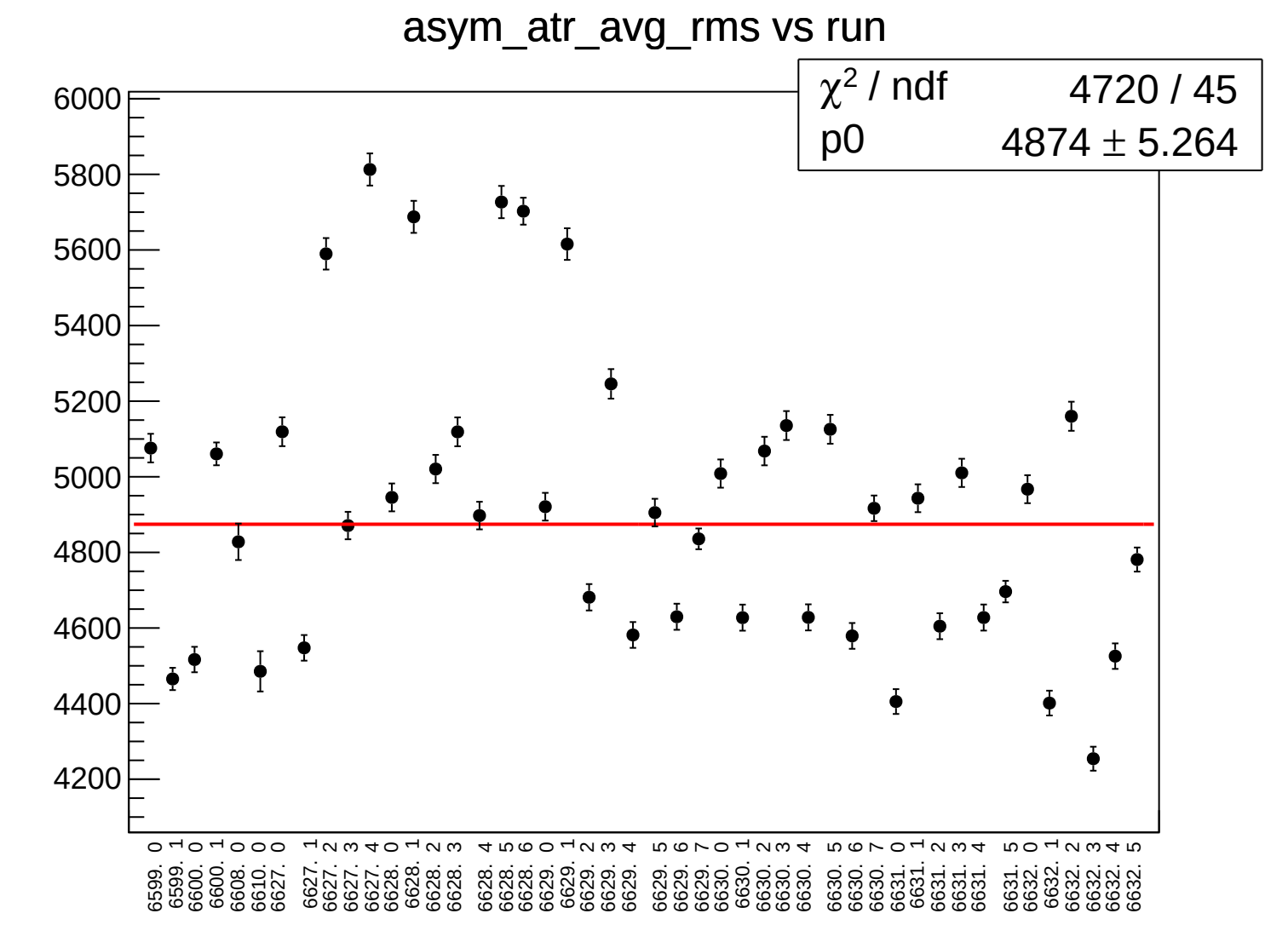

dit_asym_atr_avg_rms vs run
χ² / ndf 64.97 / 45
p0 2055 ± 2.213
2160
2140
2120
2100
2080
2060
2040
2020
2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

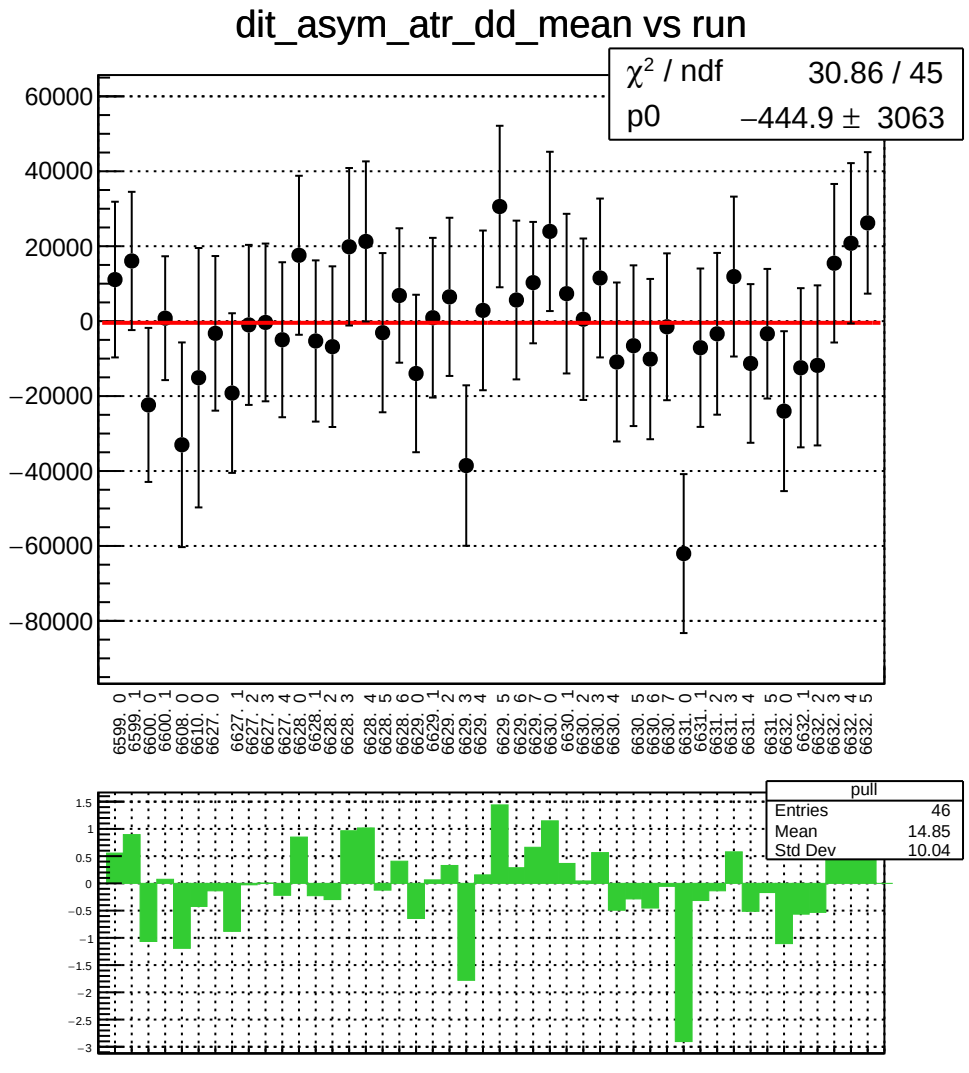

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 56.71 / 45
p0 6652 ± 6941
200
150
100
50
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −37.97
Std Dev 68.95
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01917
Std Dev 1.11
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

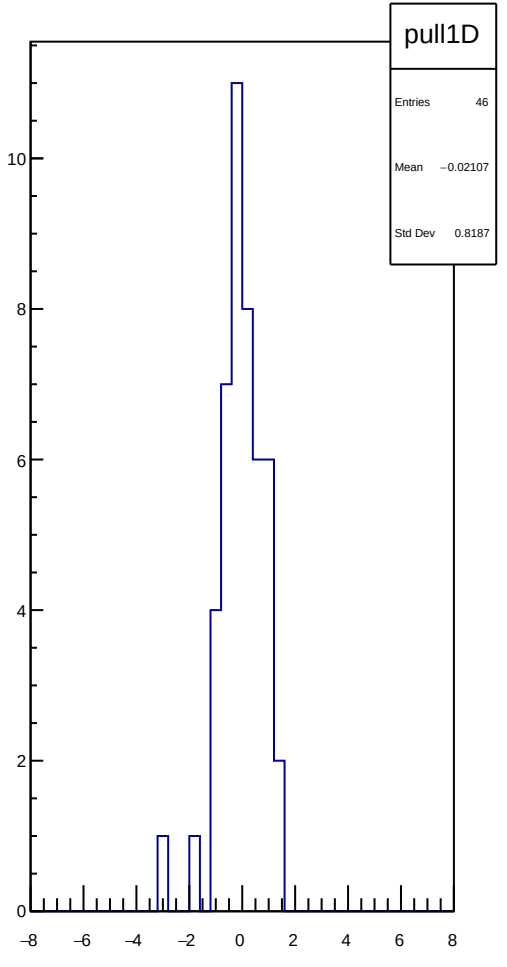

asym_atr_avg_correction_rms vs run
χ² / ndf 6857 / 45
p0 4540 ± 4.908
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

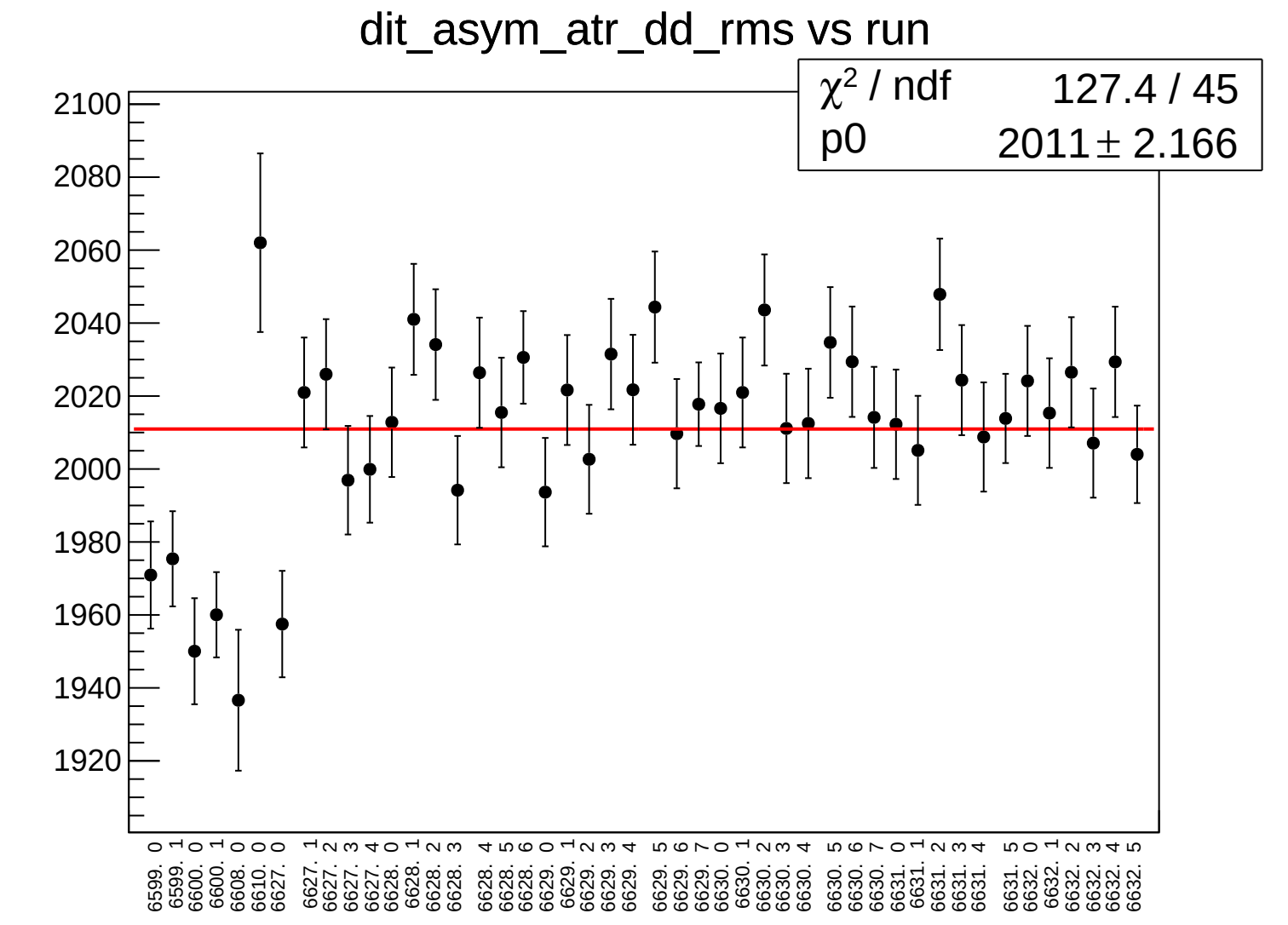

asym_atr_avg_mean vs run
×10^3
χ² / ndf 57.48 / 45
p0 −2852 ± 7444
200
150
100
50
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −18.21
Std Dev 51.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

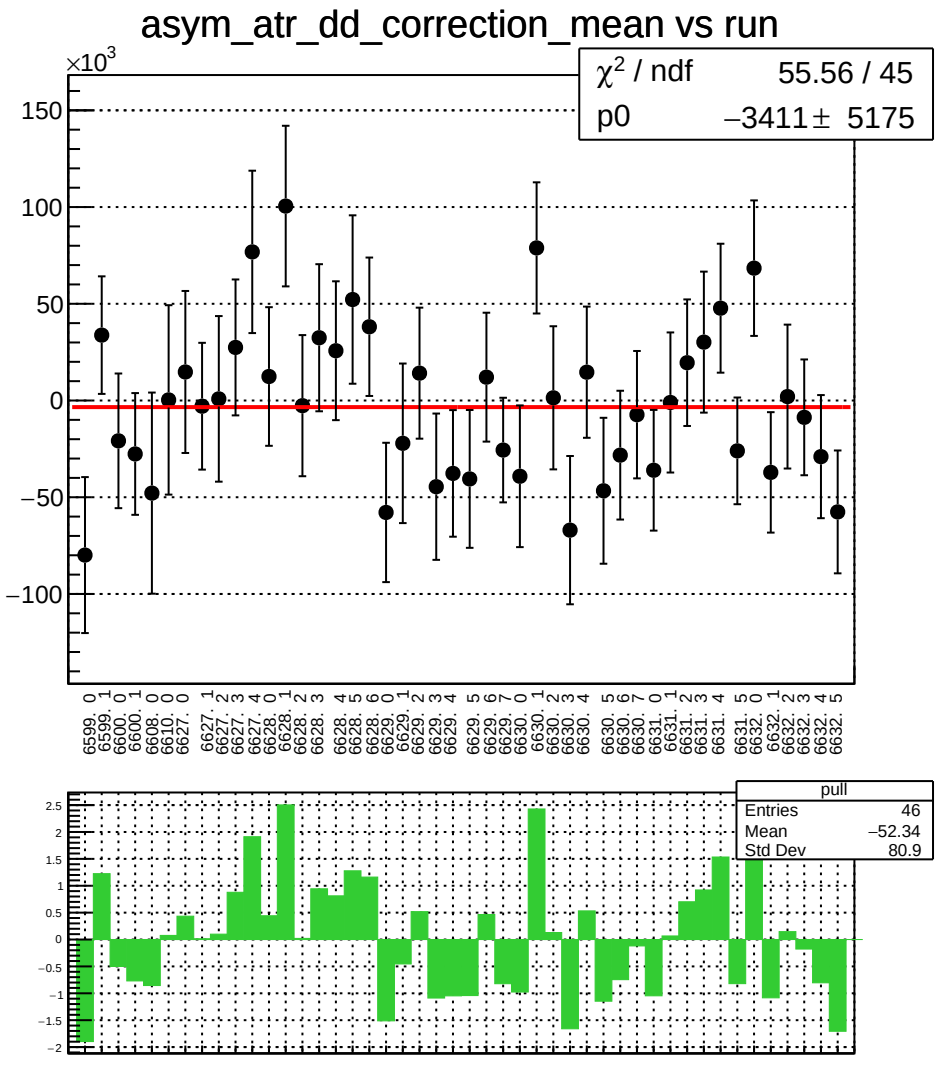

pull1D
Entries 46
Mean 0.02534
Std Dev 1.118
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

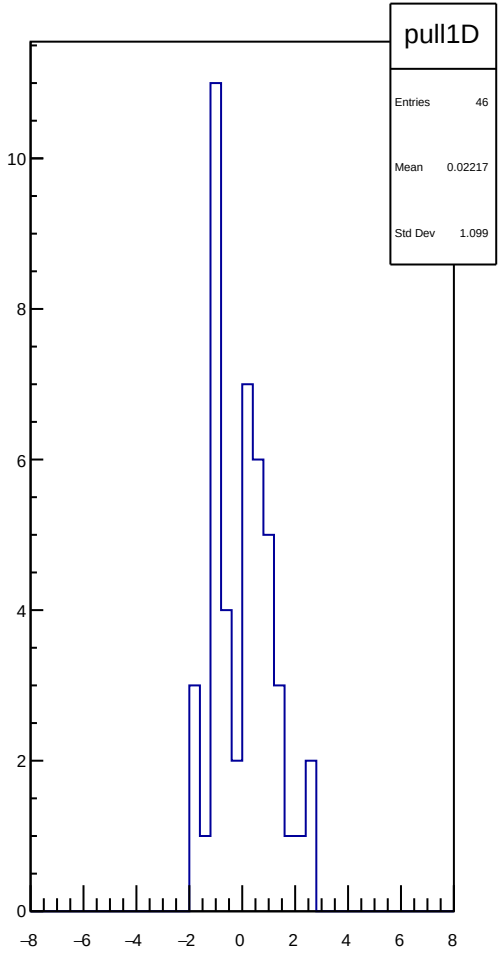

asym_atr_avg_rms vs run
χ^2 / ndf 4720 / 45
p0 4874 ± 5.264
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

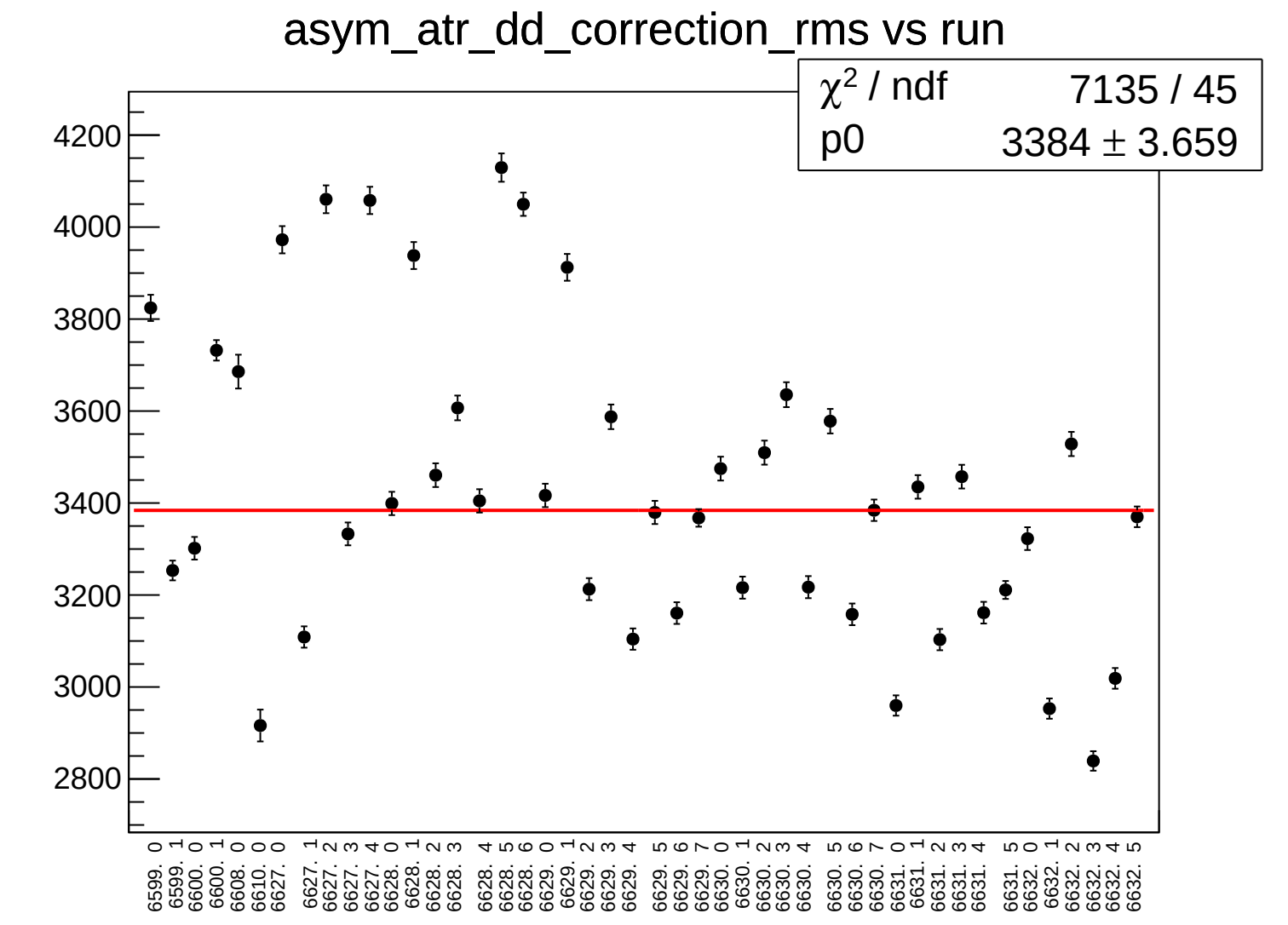

dit_asym_atr_dd_mean vs run
χ² / ndf 30.86 / 45
p0 −444.9 ± 3063
60000
40000
20000
0
−20000
−40000
−60000
−80000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 14.85
Std Dev 10.04
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

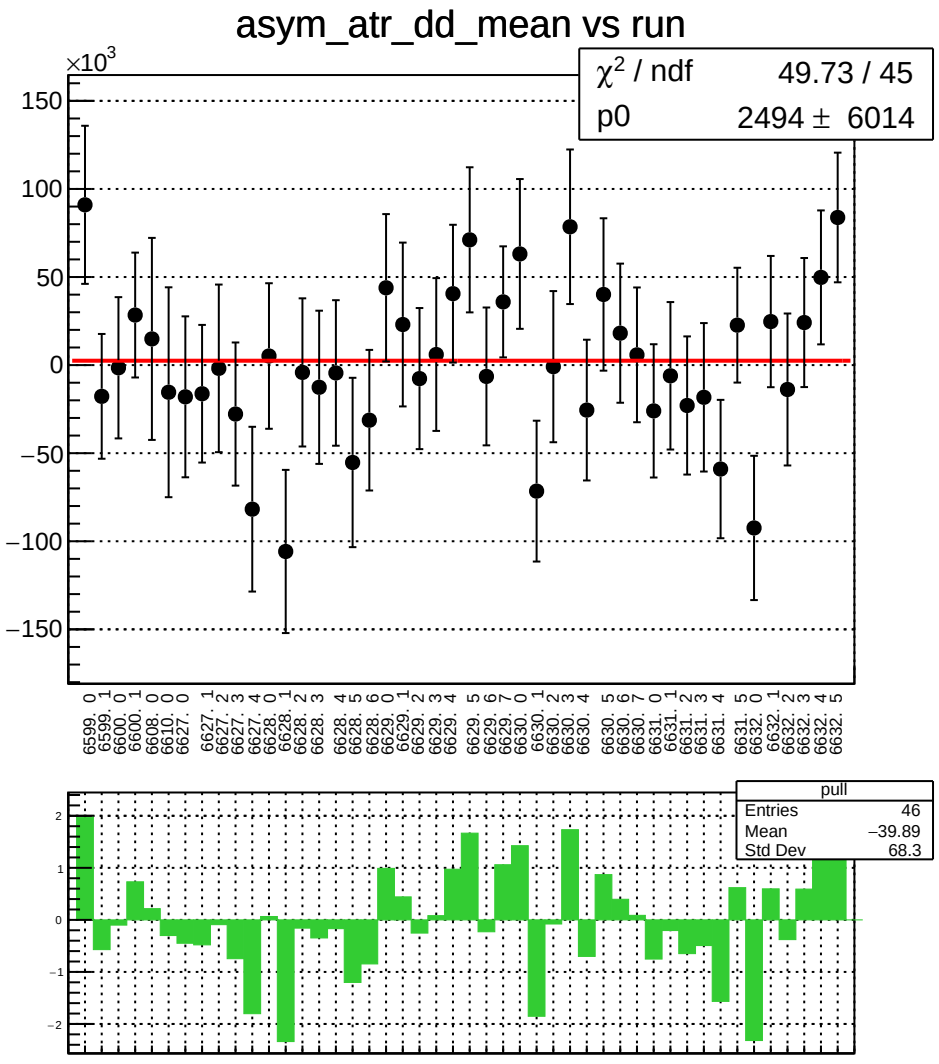

pull1D
Entries 46
Mean −0.02107
Std Dev 0.8187
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

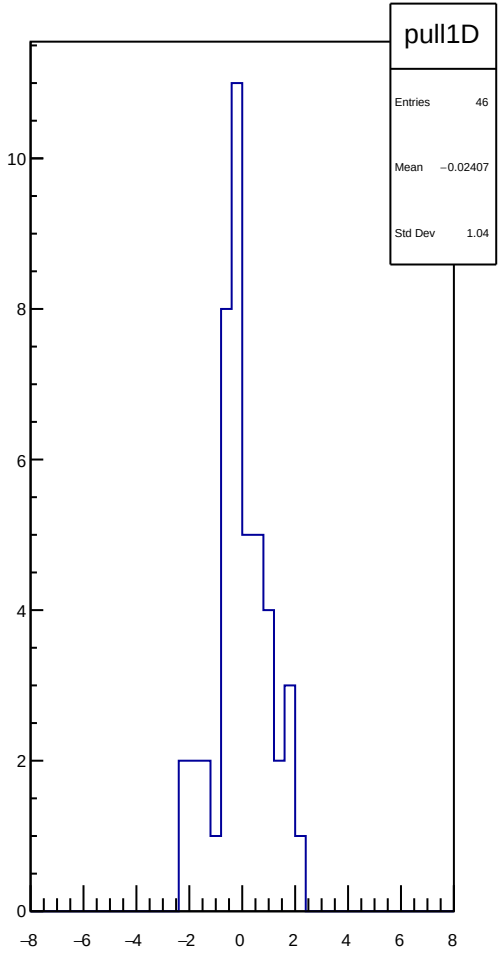

dit_asym_atr_dd_rms vs run
χ^2 / ndf 127.4 / 45
p0 2011 ± 2.166
2100
2080
2060
2040
2020
2000
1980
1960
1940
1920
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

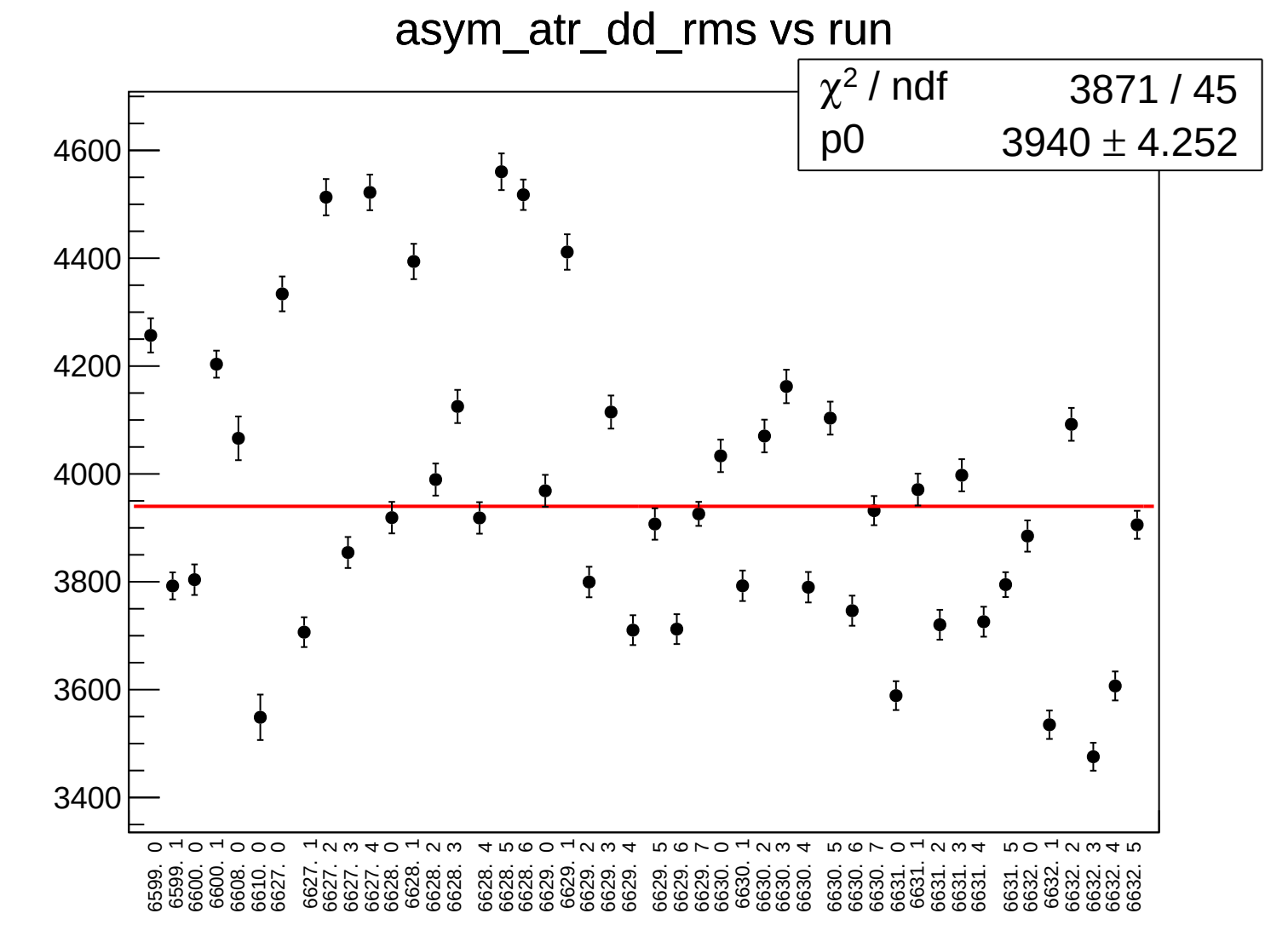

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 55.56 / 45
p0 −3411 ± 5175
150
100
50
0
−50
−100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −52.34
Std Dev 80.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

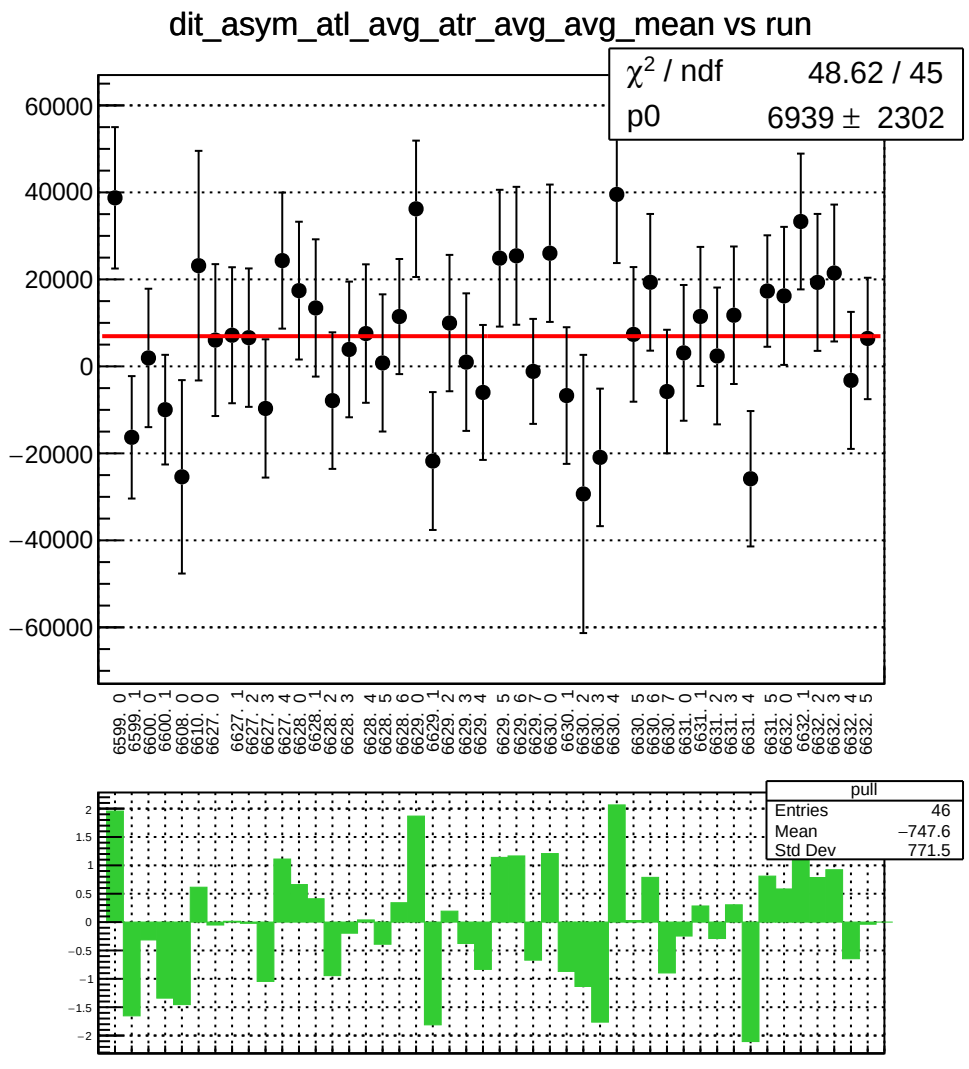

pull1D
Entries 46
Mean 0.02217
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

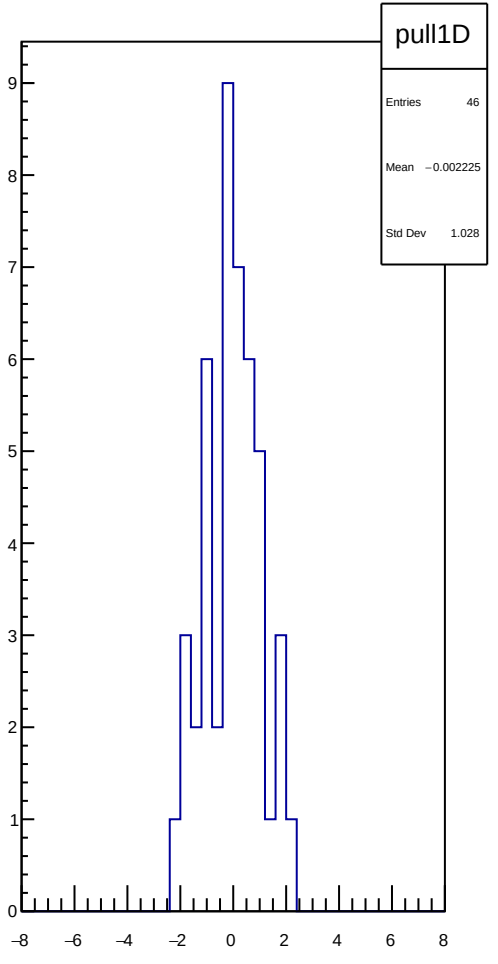

asym_atr_dd_correction_rms vs run
χ² / ndf 7135 / 45
p0 3384 ± 3.659
4200
4000
3800
3600
3400
3200
3000
2800
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

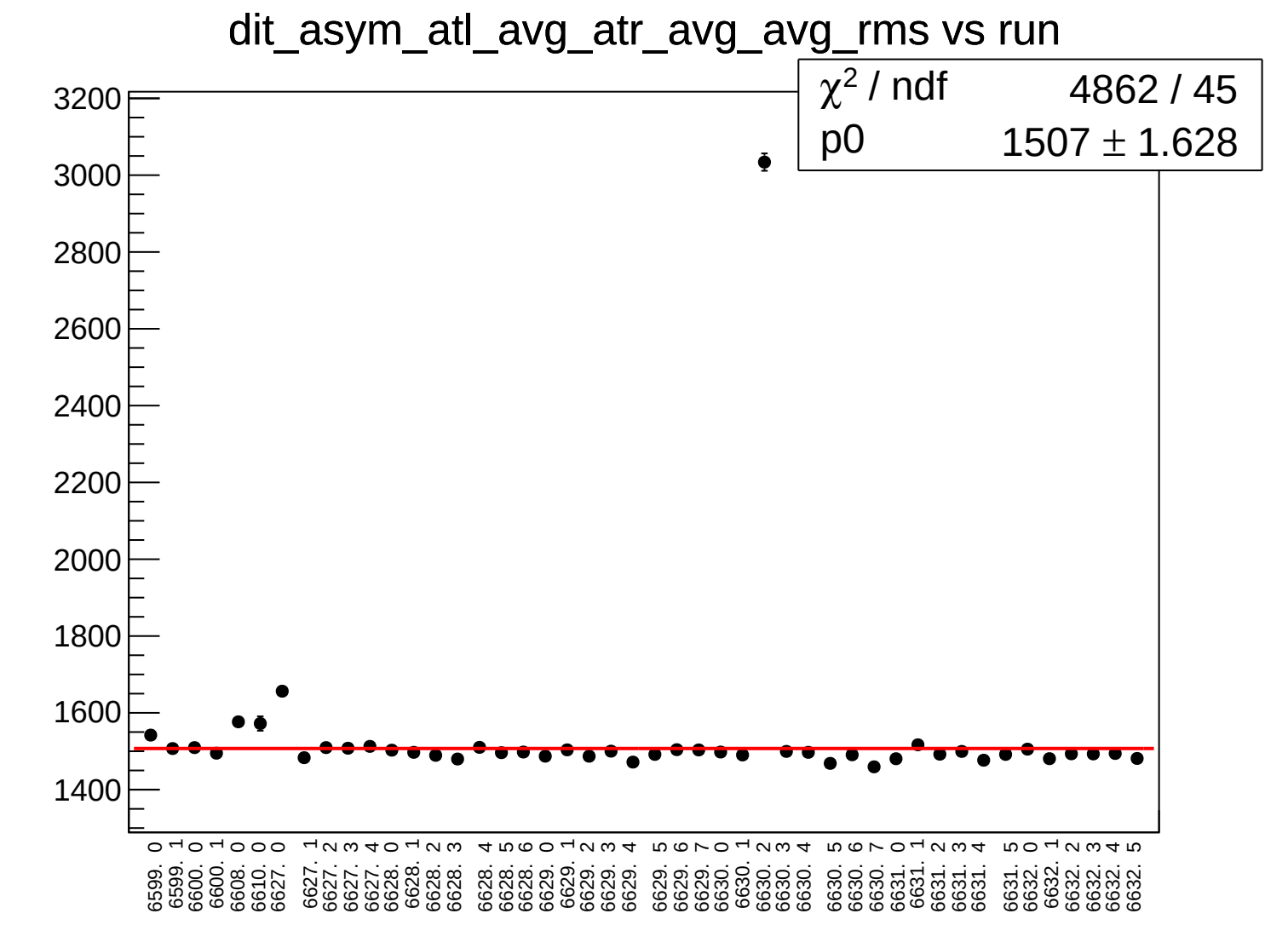

asym_atr_dd_mean vs run
×10^3
χ² / ndf 49.73 / 45
p0 2494 ± 6014
150
100
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −39.89
Std Dev 68.3
2
1
0
−1
−2

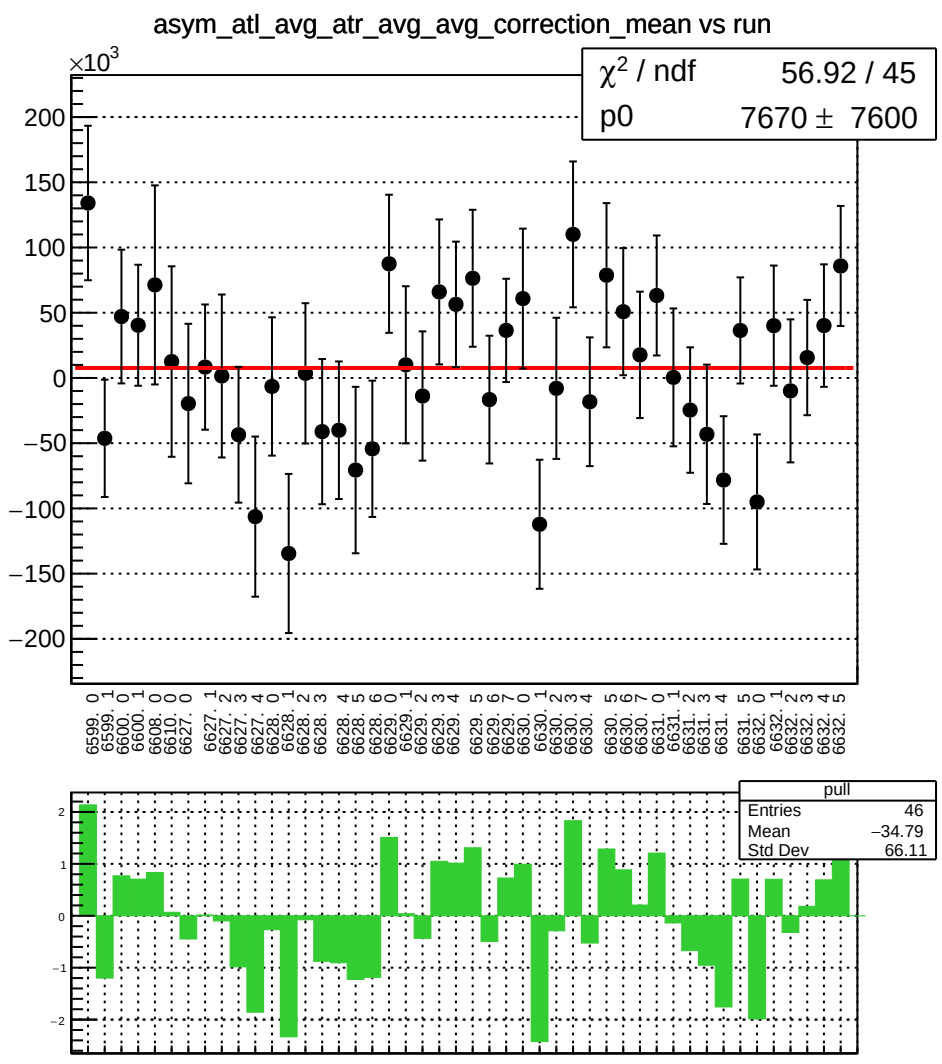

pull1D
Entries 46
Mean −0.02407
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

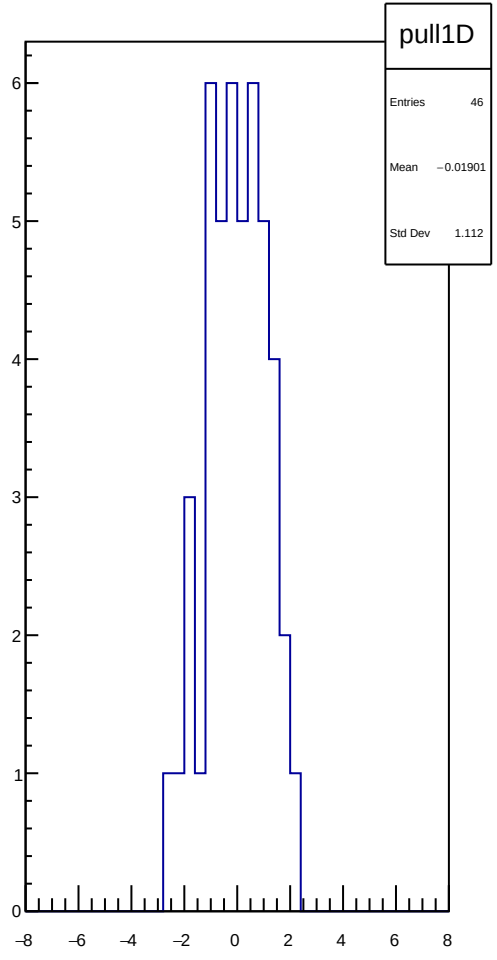

asym_atr_dd_rms vs run
χ^2 / ndf 3871 / 45
p0 3940 ± 4.252
4600
4400
4200
4000
3800
3600
3400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

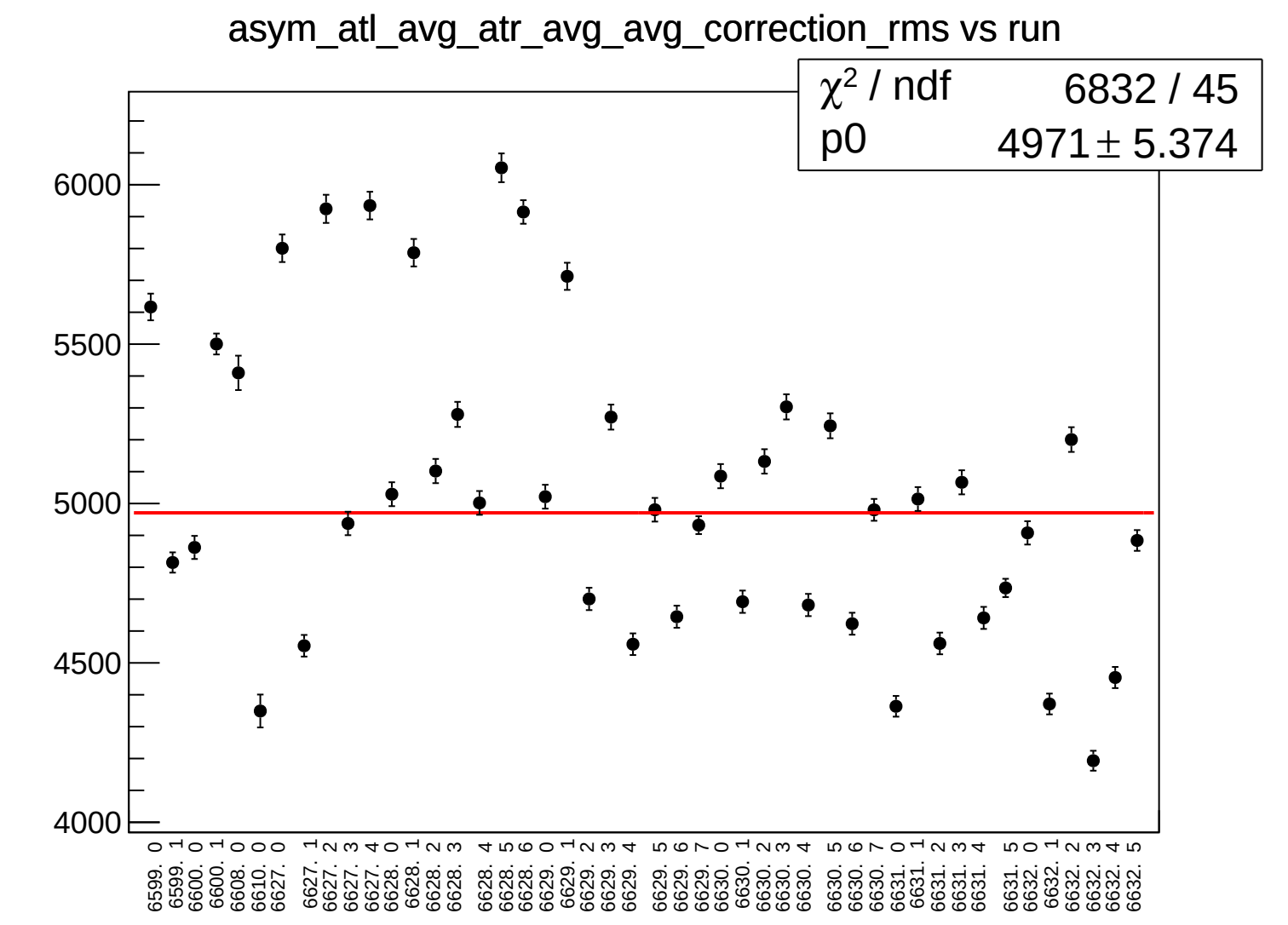

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 48.62 / 45
p0 6939 ± 2302
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −747.6
Std Dev 771.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

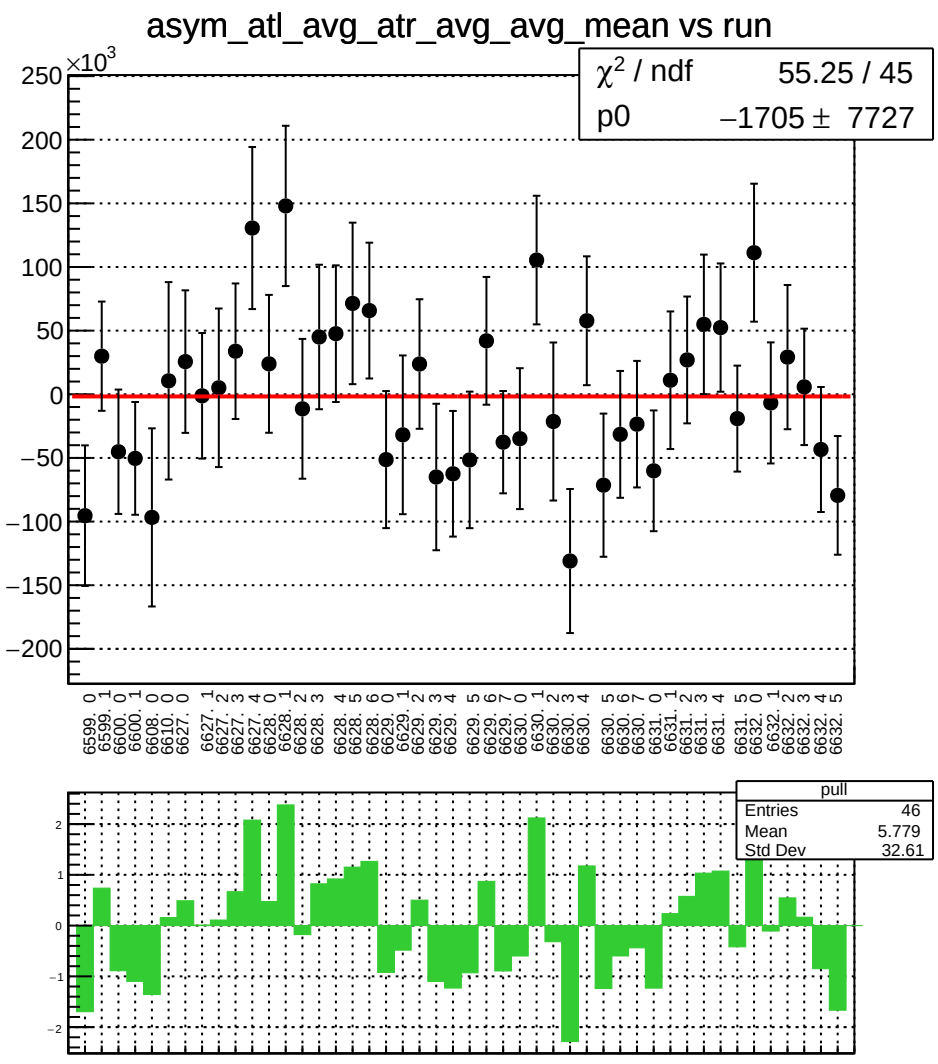

pull1D
Entries 46
Mean −0.002225
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

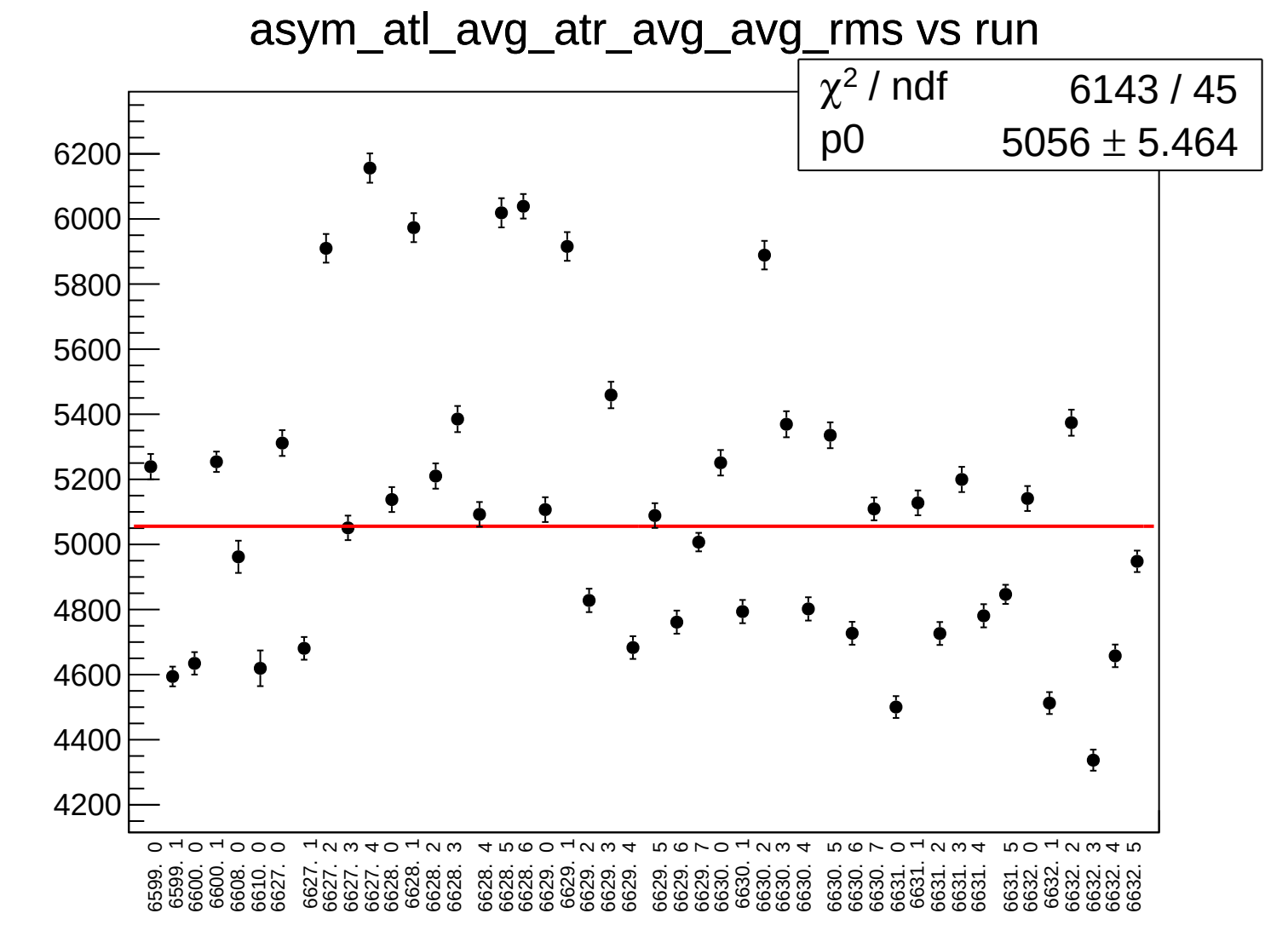

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4862 / 45
p0 1507 ± 1.628
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

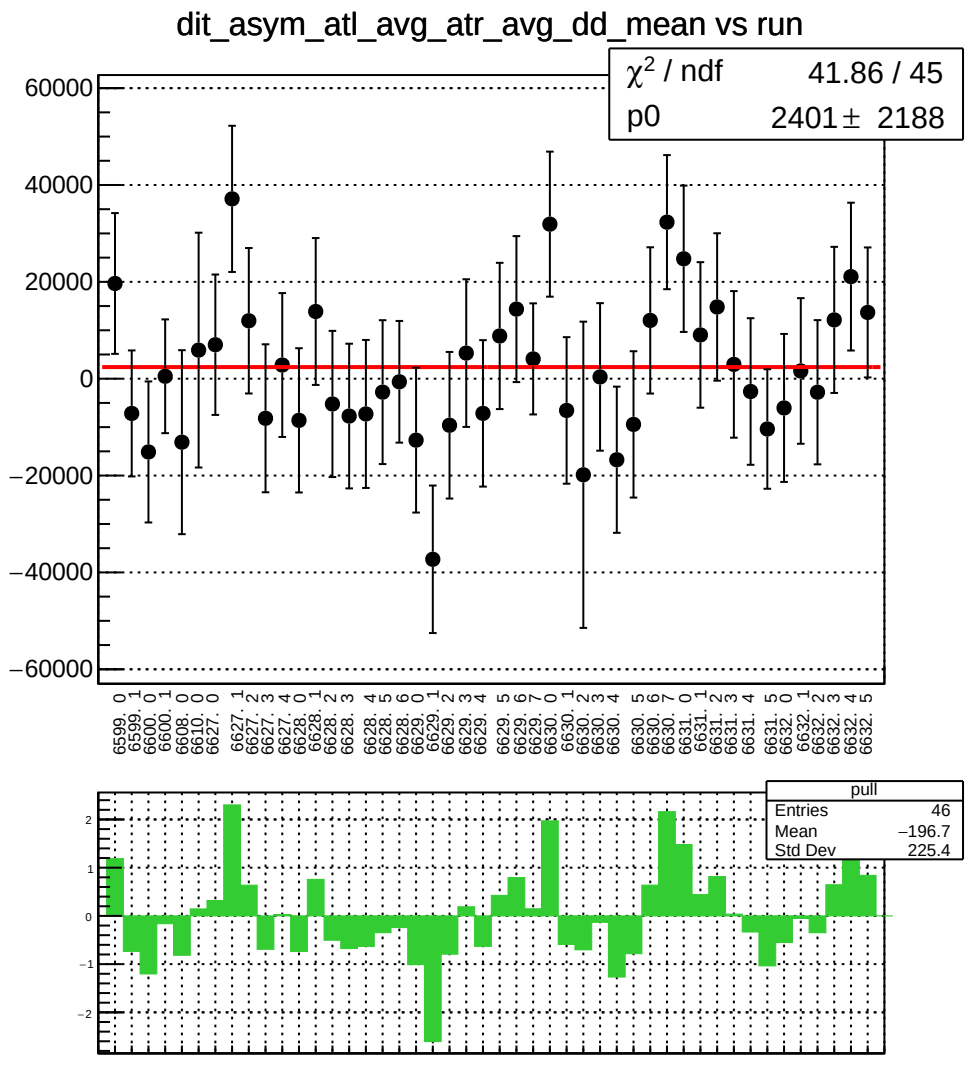

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 56.92 / 45
p0 7670 ± 7600
200
150
100
50
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −34.79
Std Dev 66.11
2
1
0
−1
−2

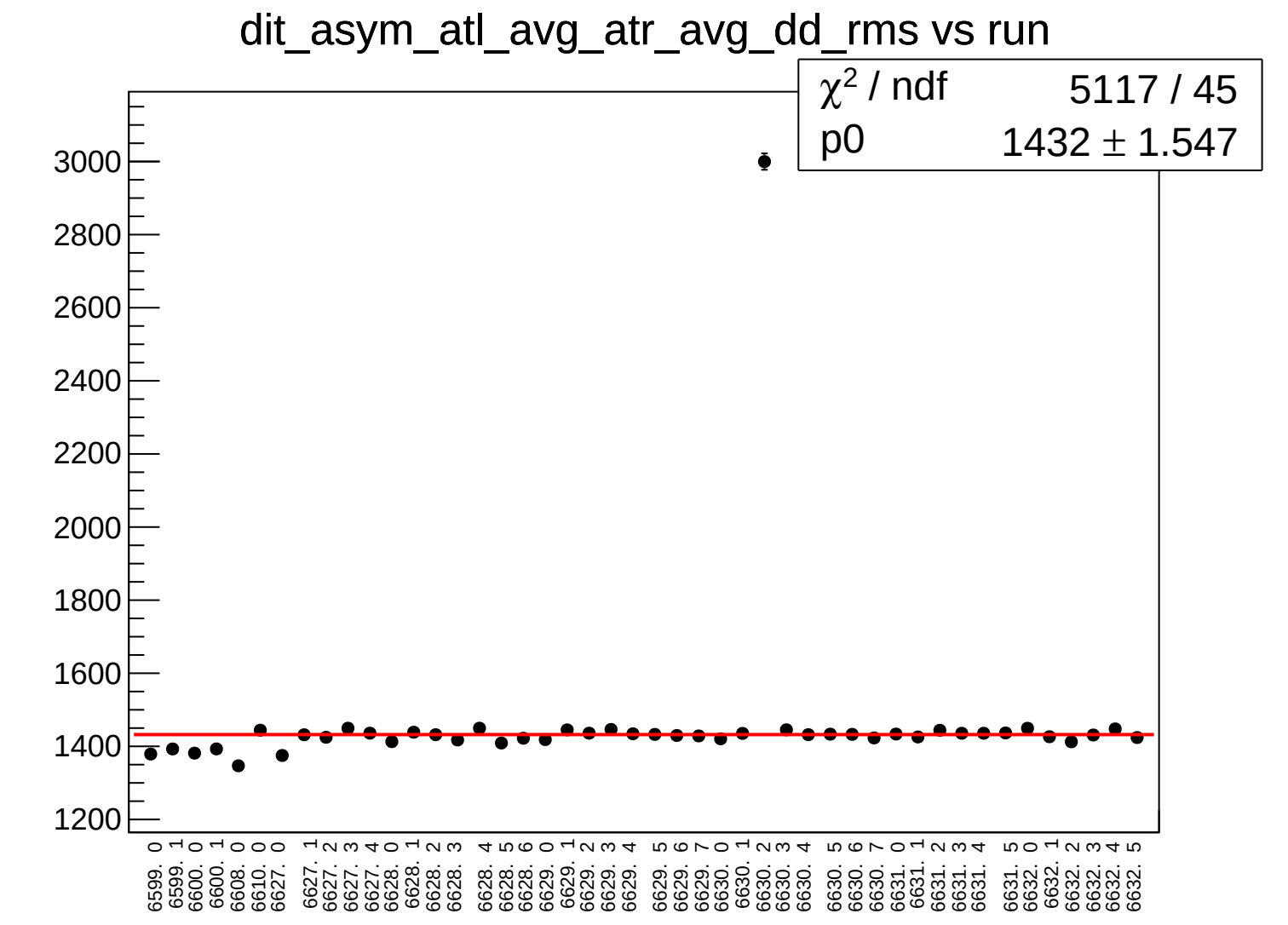

pull1D
Entries 46
Mean −0.01901
Std Dev 1.112
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

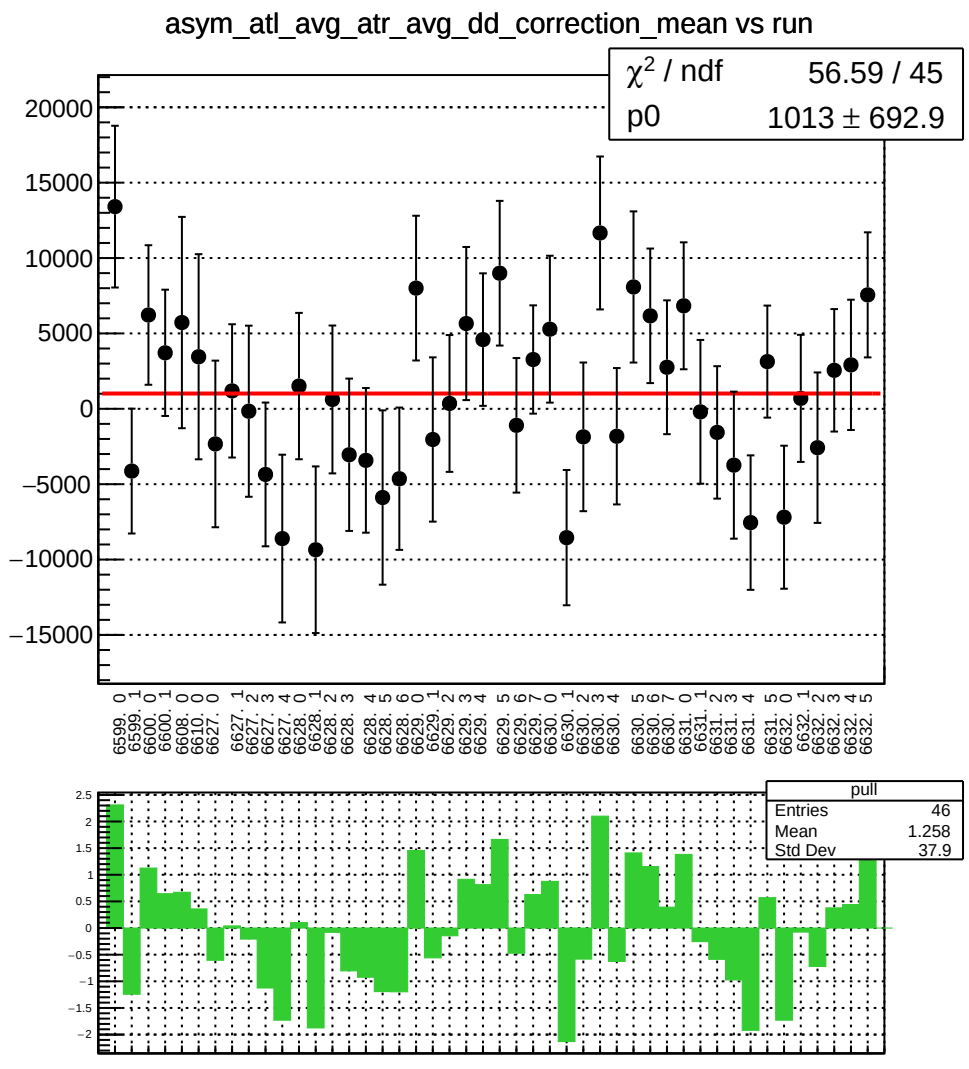

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 6832 / 45
p0 4971 ± 5.374
6000
5500
5000
4500
4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

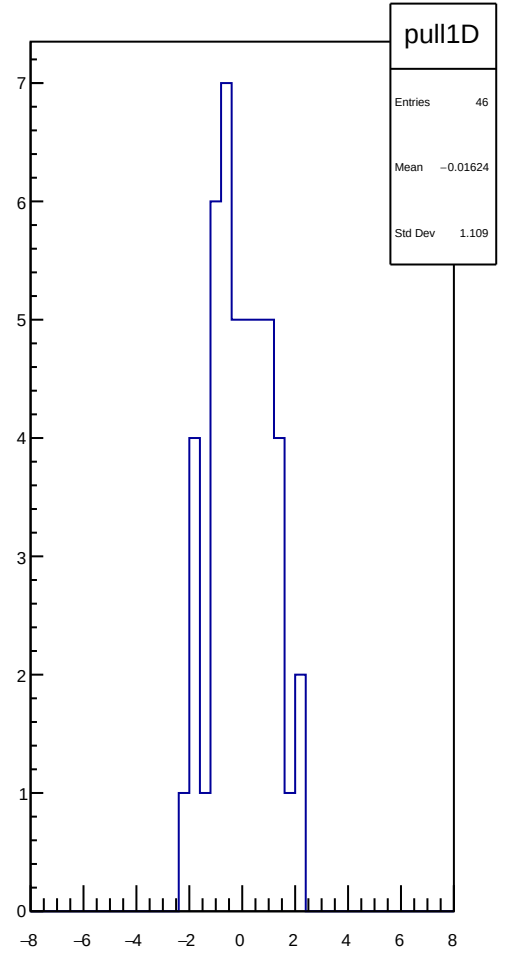

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 55.25 / 45
p0 −1705 ± 7727
×10³
250
200
150
100
50
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 5.779
Std Dev 32.61
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.02425
Std Dev 1.096
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

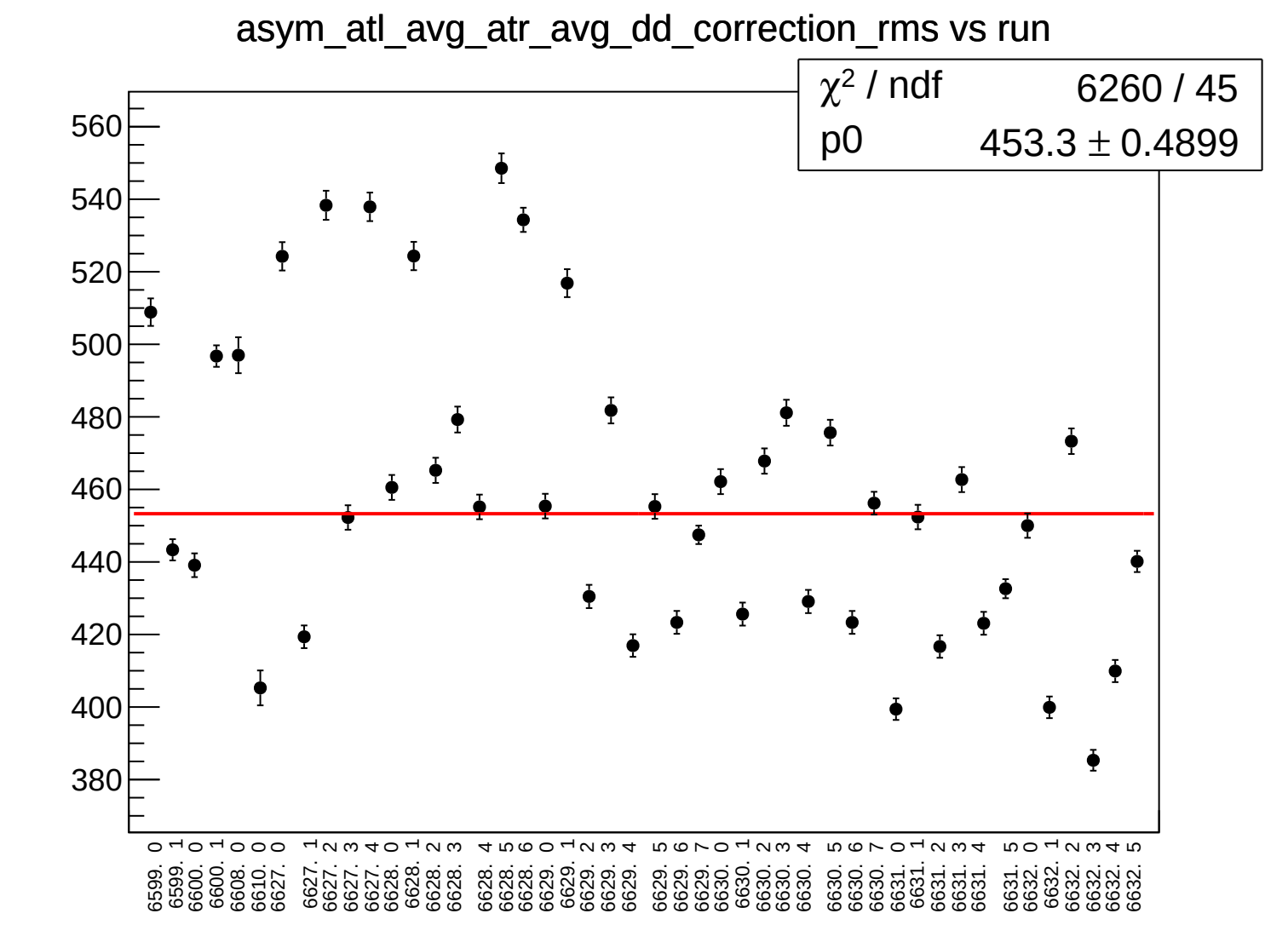

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6143 / 45
p0 5056 ± 5.464
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

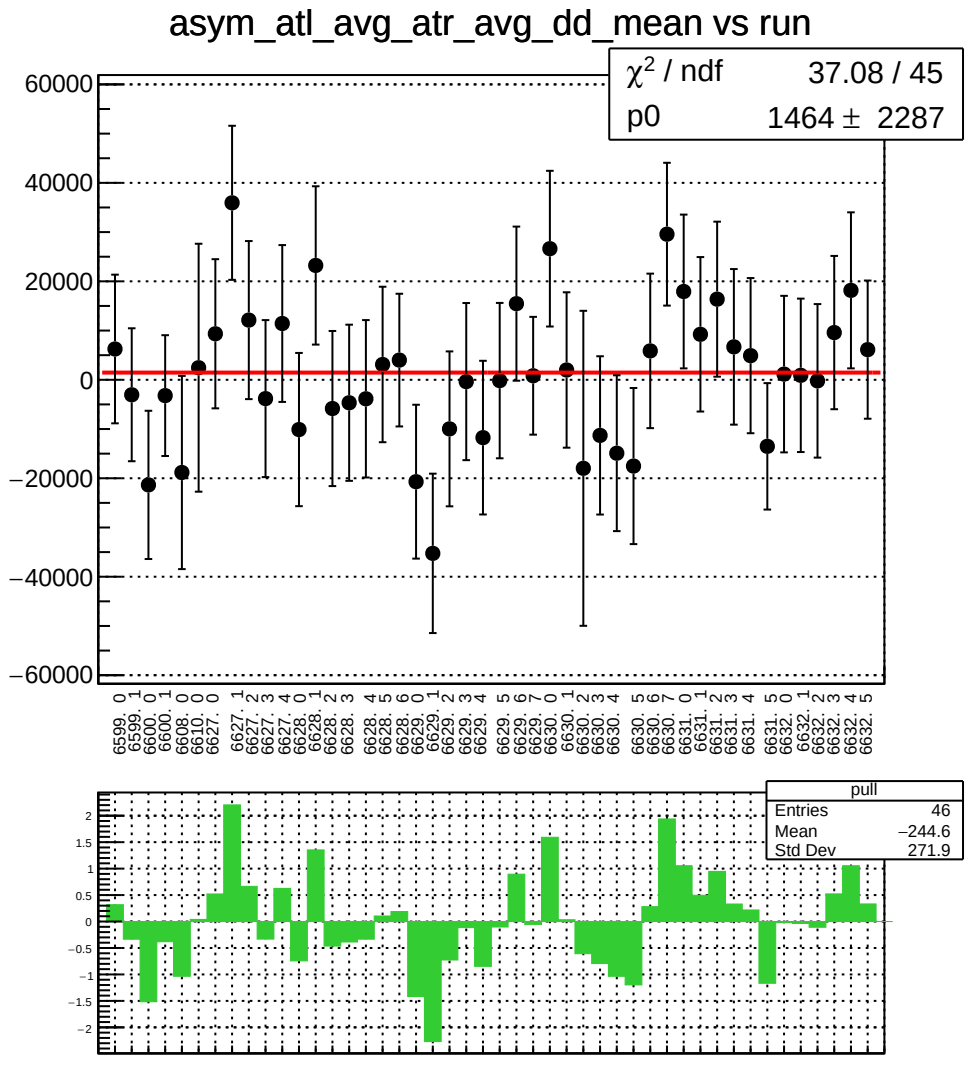

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 41.86 / 45
p0 2401 ± 2188
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −196.7
Std Dev 225.4
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.008918
Std Dev 0.9538
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

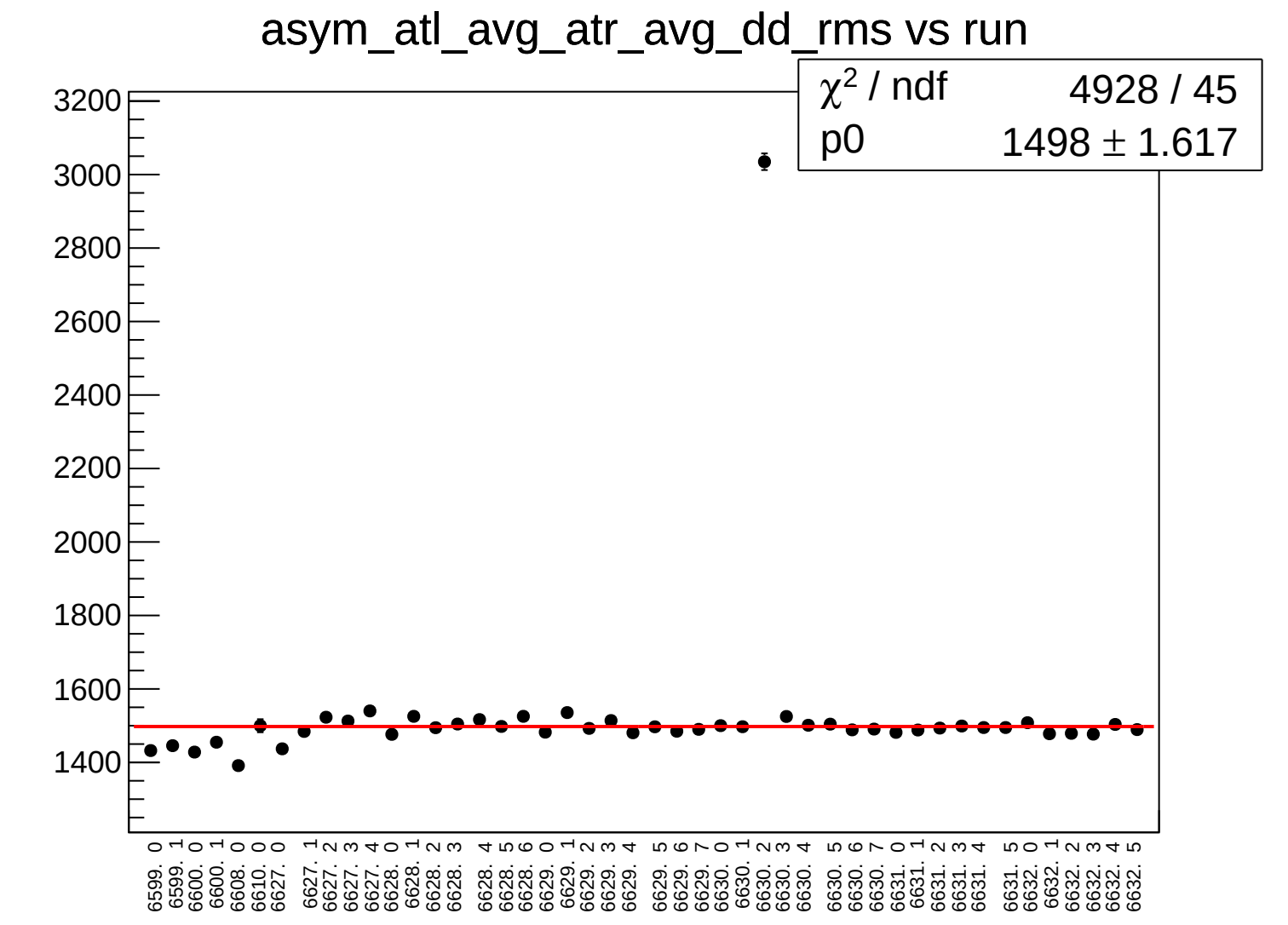

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5117 / 45
p0 1432 ± 1.547
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

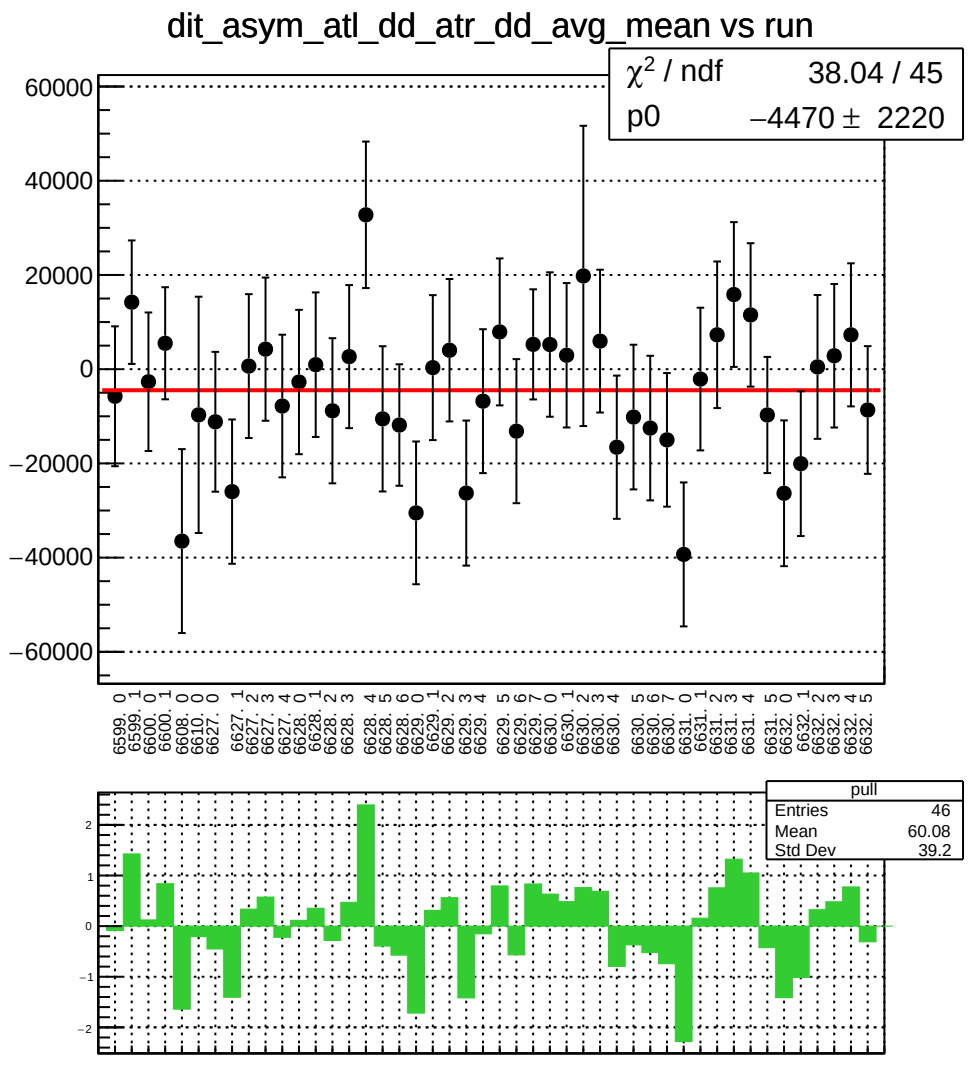

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 56.59 / 45
p0 1013 ± 692.9
20000
15000
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6628. 7
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 1.258
Std Dev 37.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

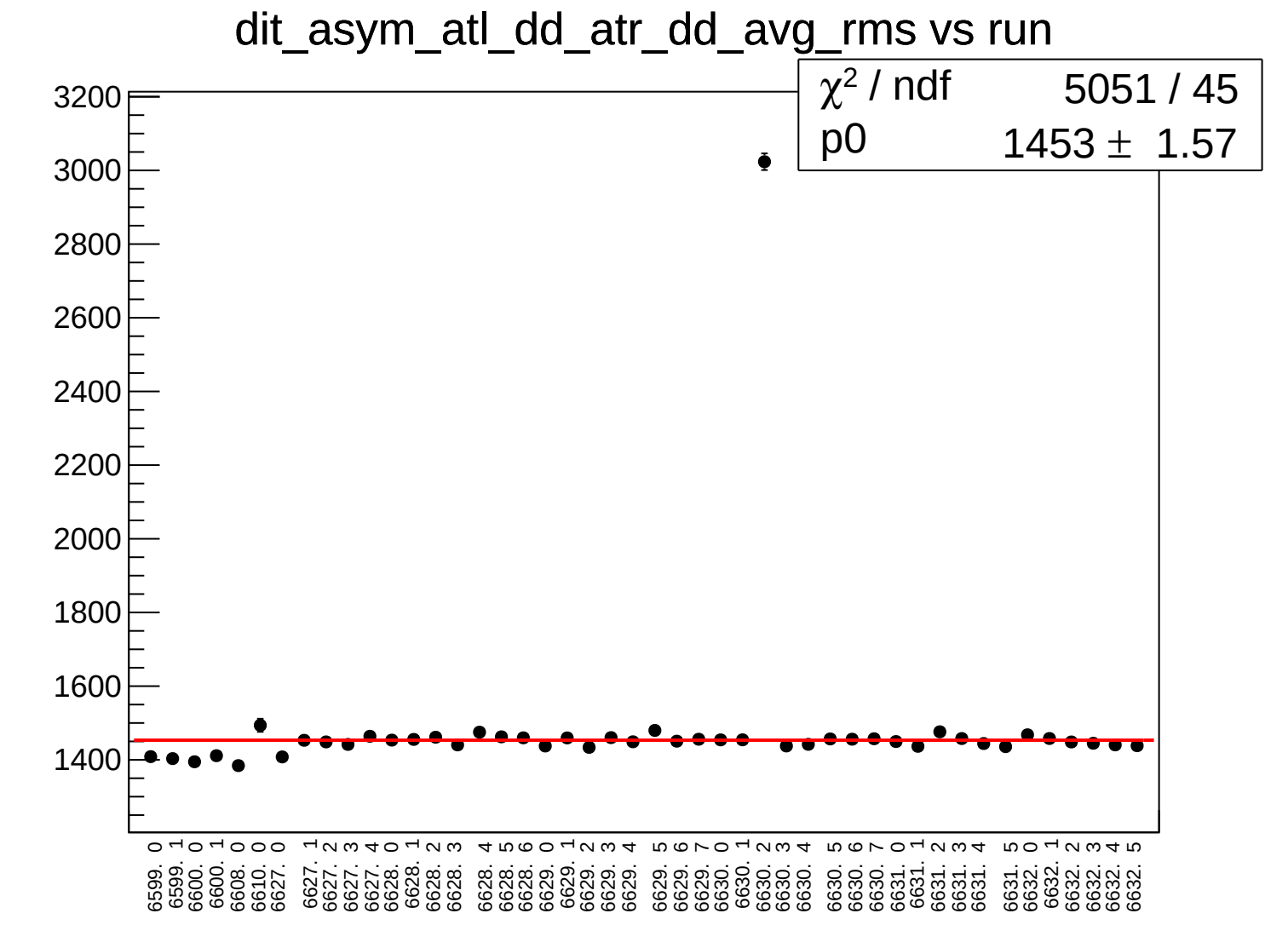

pull1D
Entries 46
Mean −0.01624
Std Dev 1.109
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

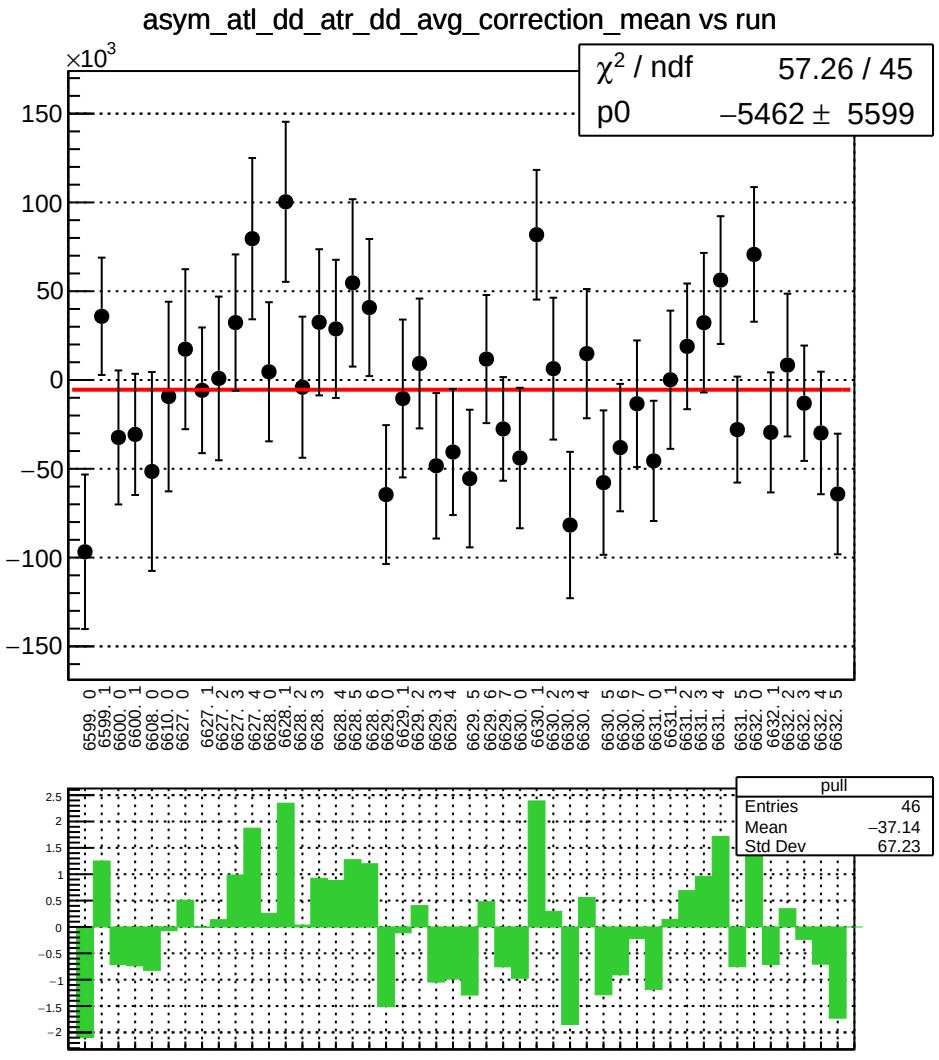

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 6260 / 45
p0 453.3 ± 0.4899
560
540
520
500
480
460
440
420
400
380
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

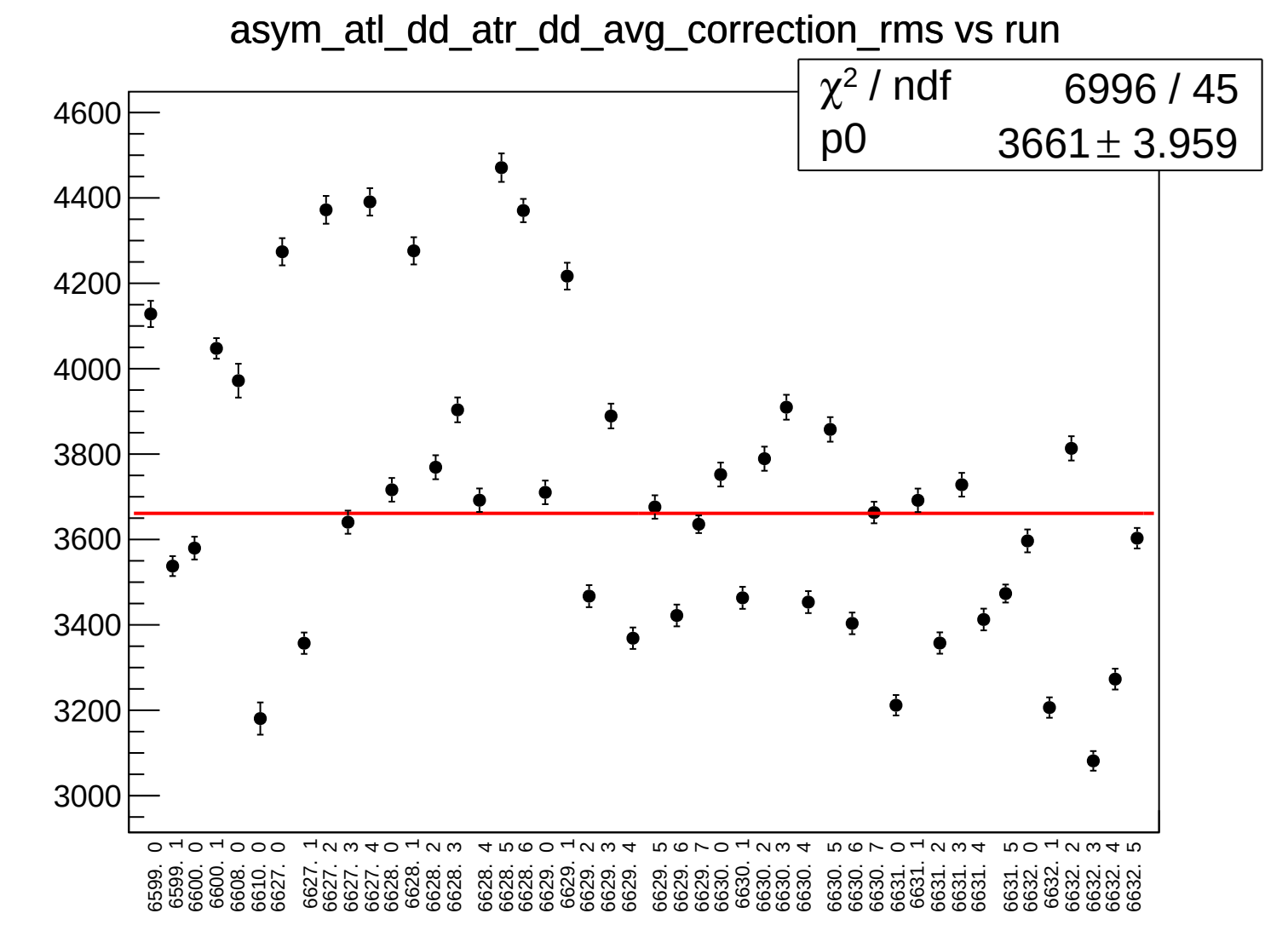

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 37.08 / 45
p0 1464 ± 2287
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −244.6
Std Dev 271.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.006664
Std Dev 0.8979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

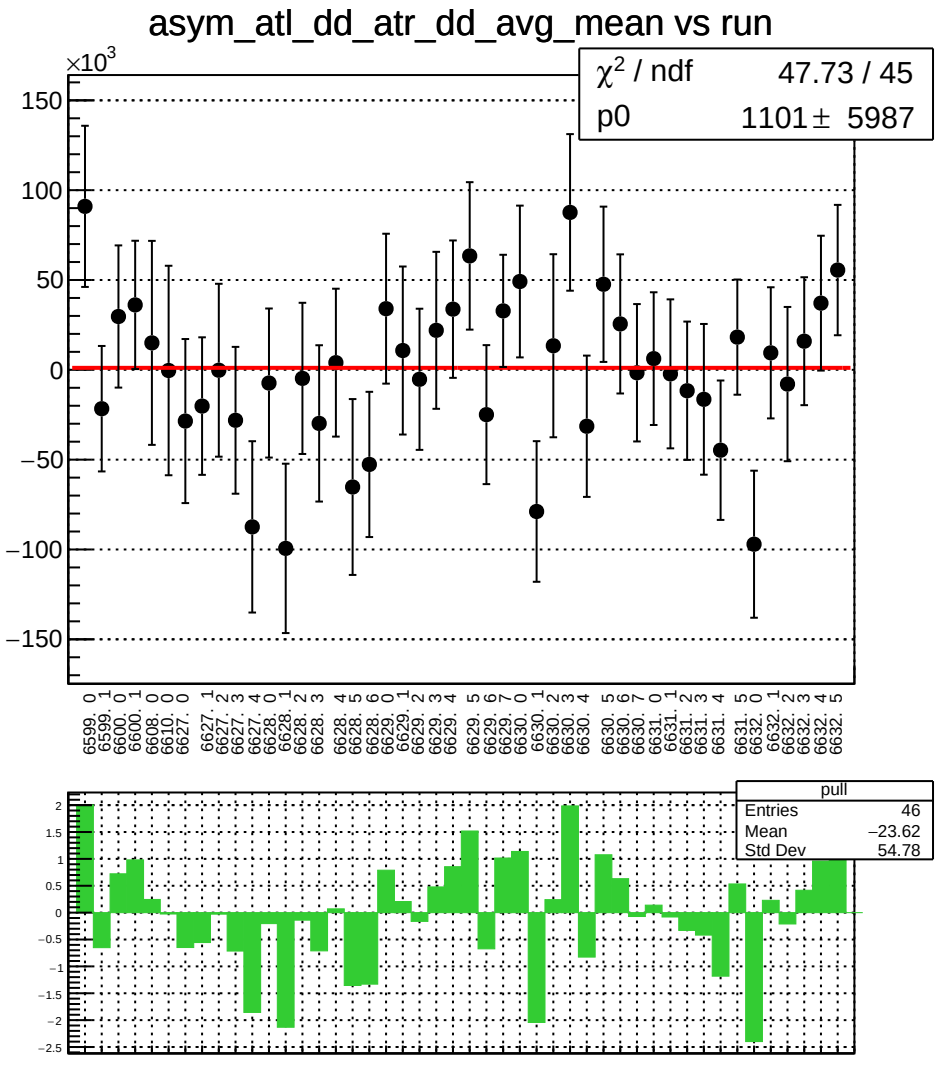

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 4928 / 45
p0 1498 ± 1.617
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

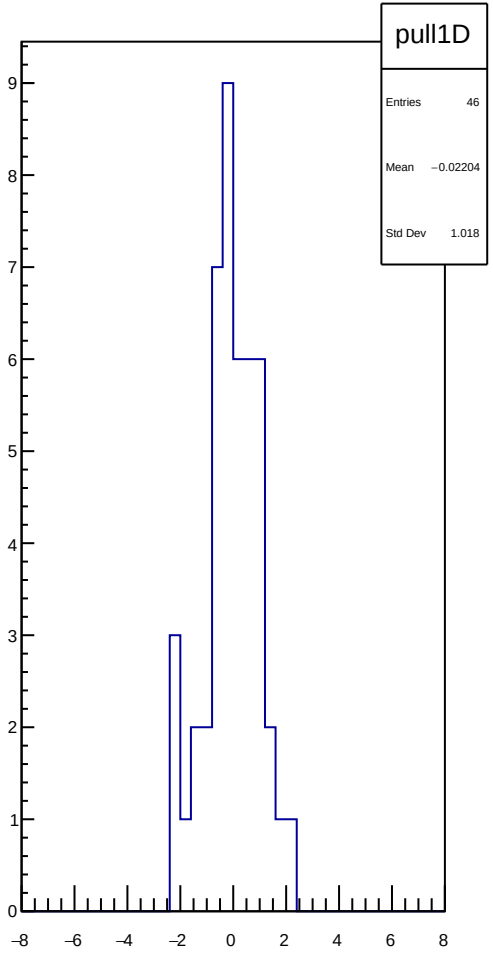

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 38.04 / 45
p0 −4470 ± 2220
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 60.08
Std Dev 39.2
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.009283
Std Dev 0.9093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

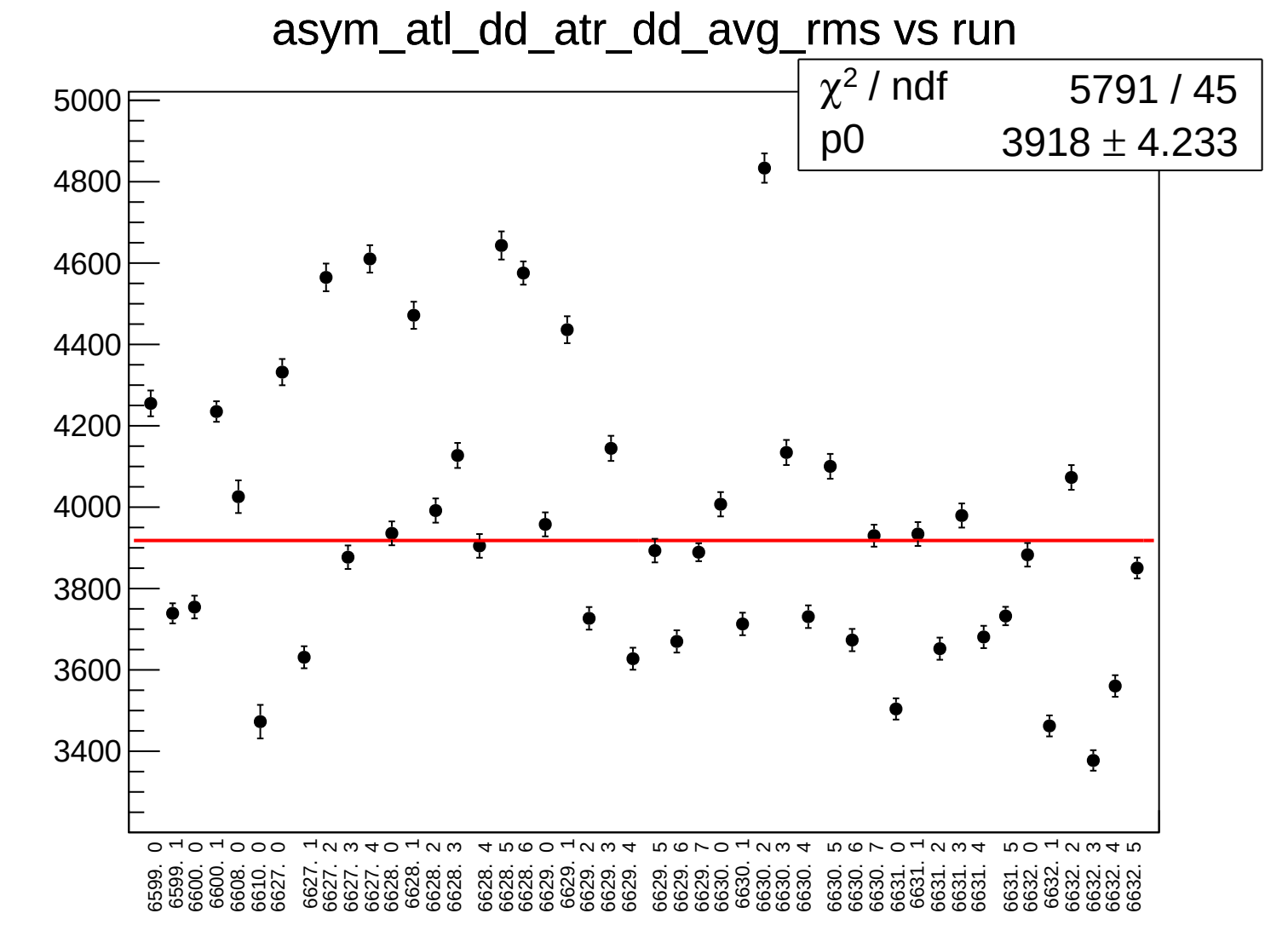

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5051 / 45
p0 1453 ± 1.57
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

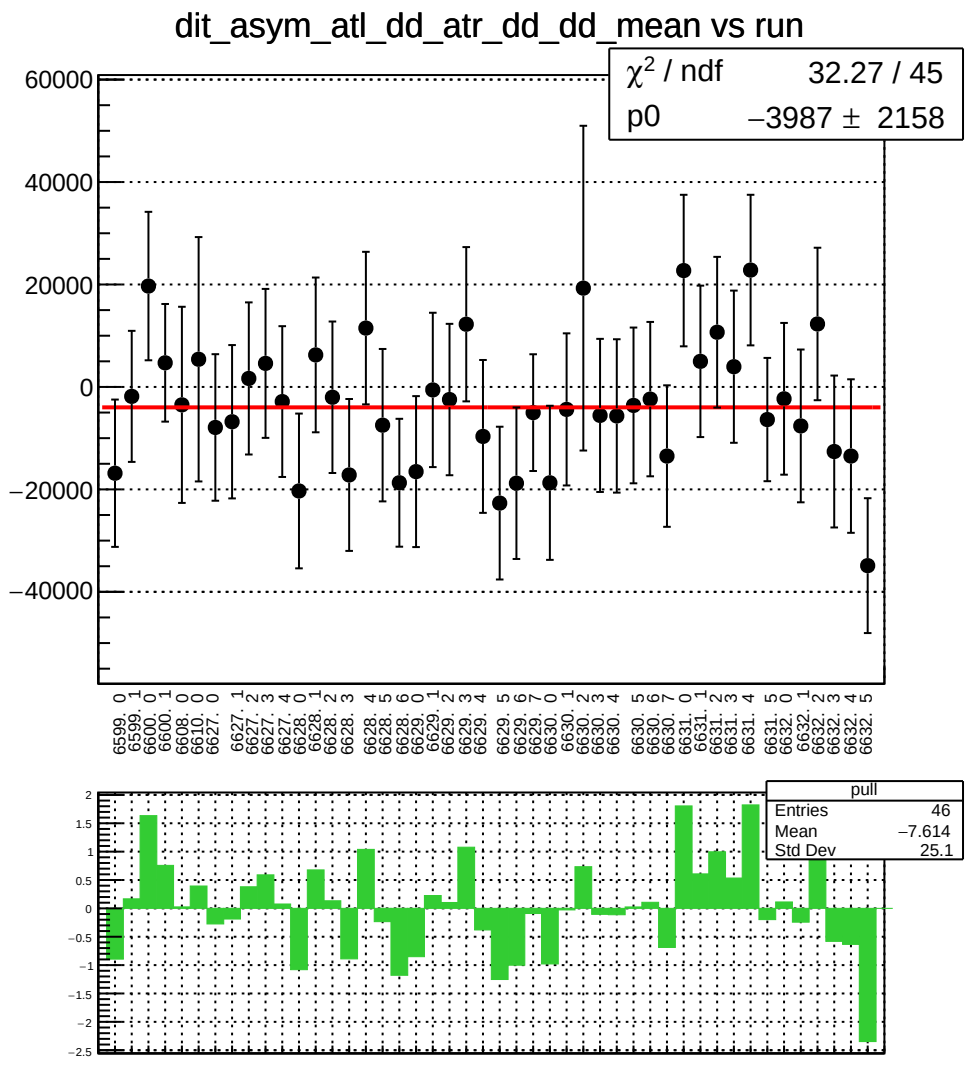

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 57.26 / 45
p0 −5462 ± 5599
150
100
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −37.14
Std Dev 67.23
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.02072
Std Dev 1.116
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

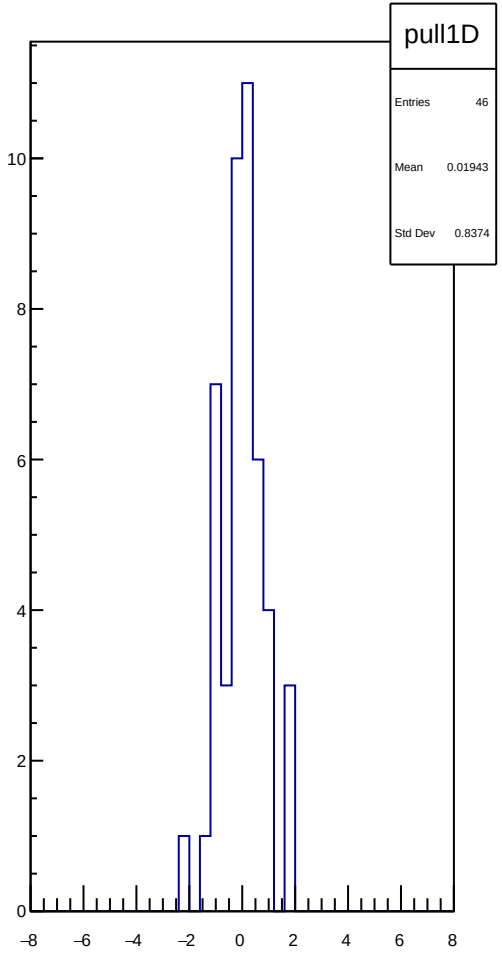

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 6996 / 45
p0 3661 ± 3.959
4600
4400
4200
4000
3800
3600
3400
3200
3000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

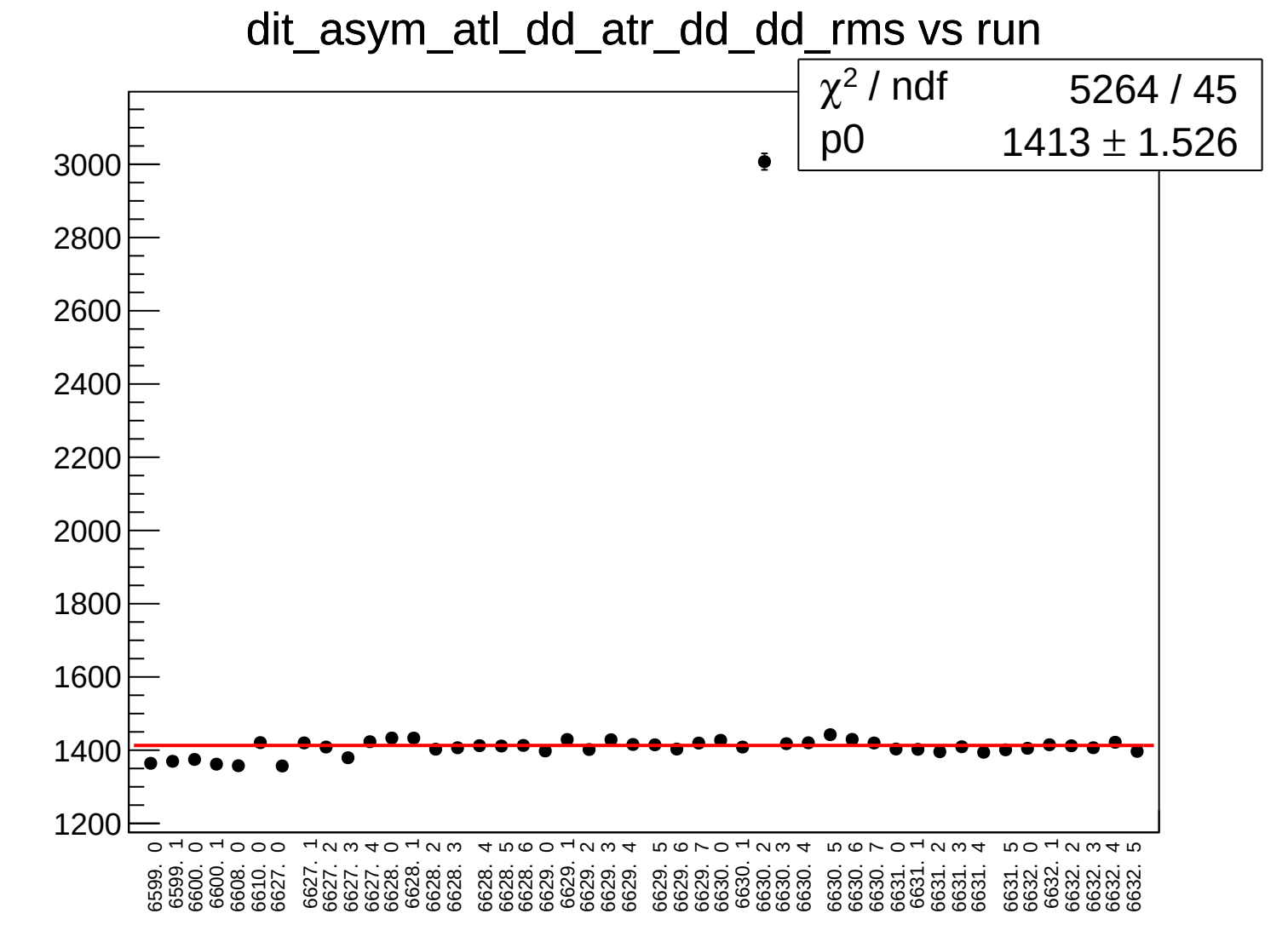

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 47.73 / 45
p0 1101 ± 5987
150
100
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −23.62
Std Dev 54.78
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

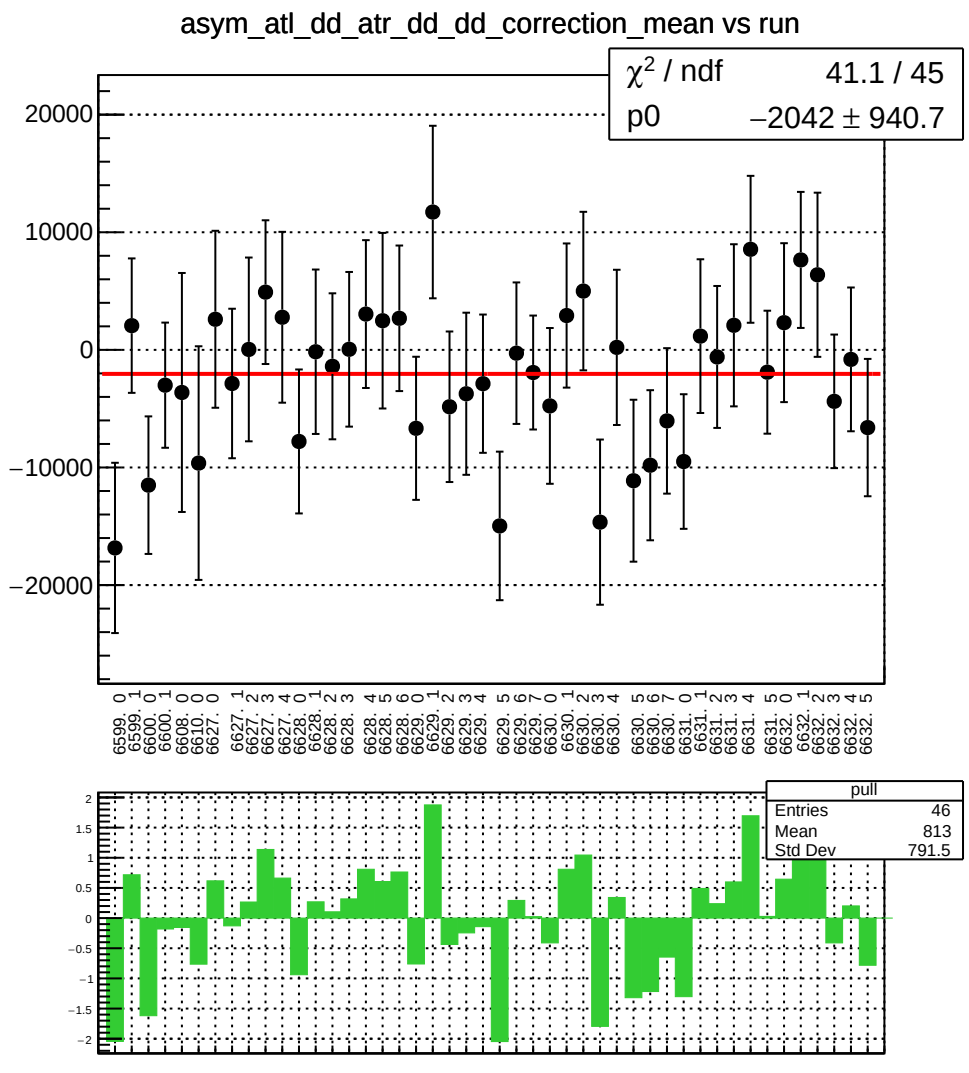

pull1D
Entries 46
Mean −0.02204
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

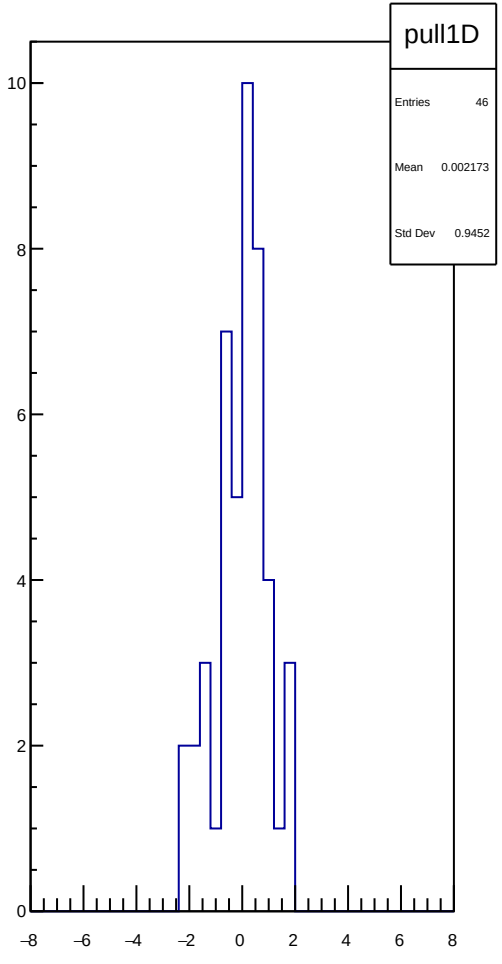

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 5791 / 45
p0 3918 ± 4.233
5000
4800
4600
4400
4200
4000
3800
3600
3400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

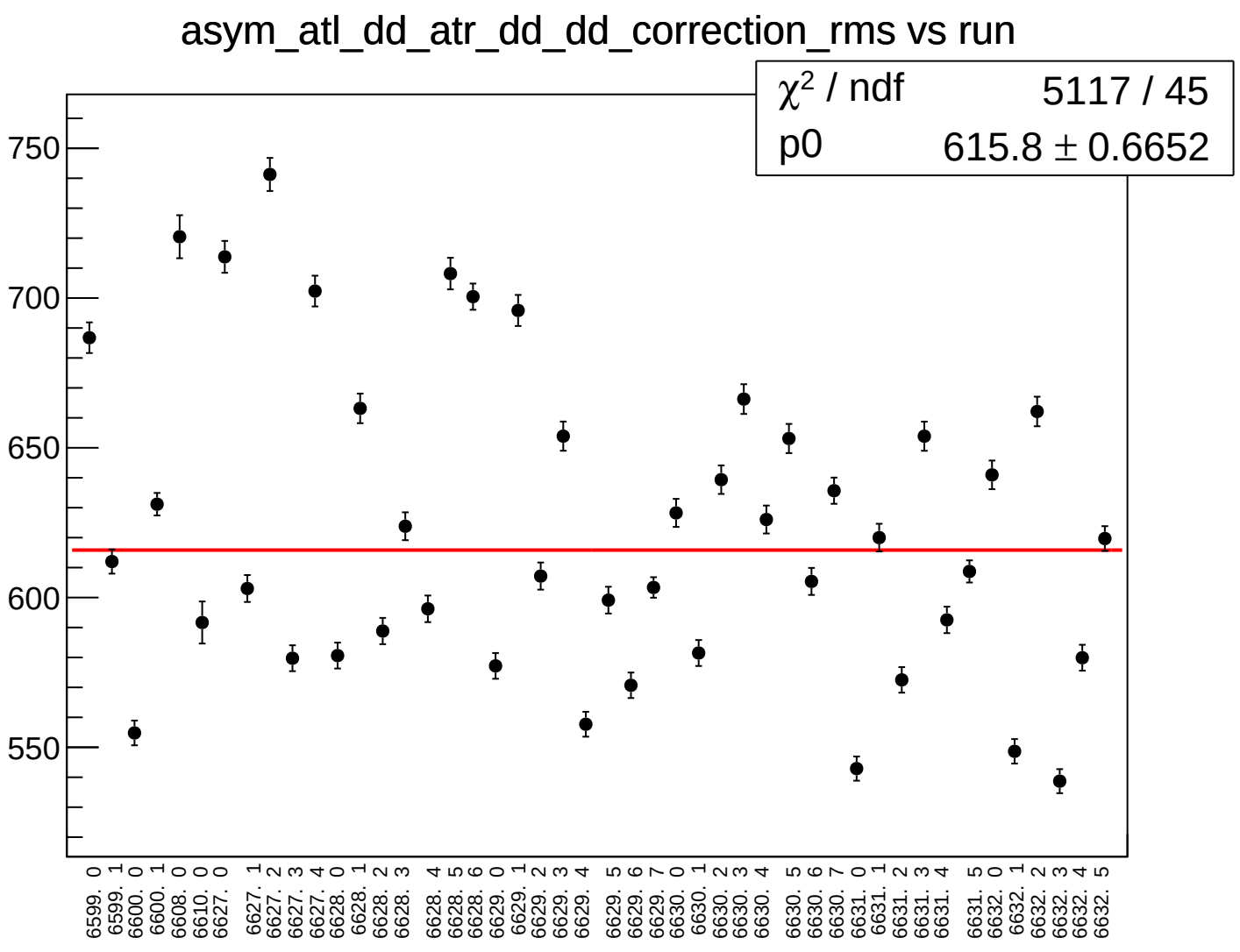

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 32.27 / 45
p0 −3987 ± 2158
60000
40000
20000
0
−20000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −7.614
Std Dev 25.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

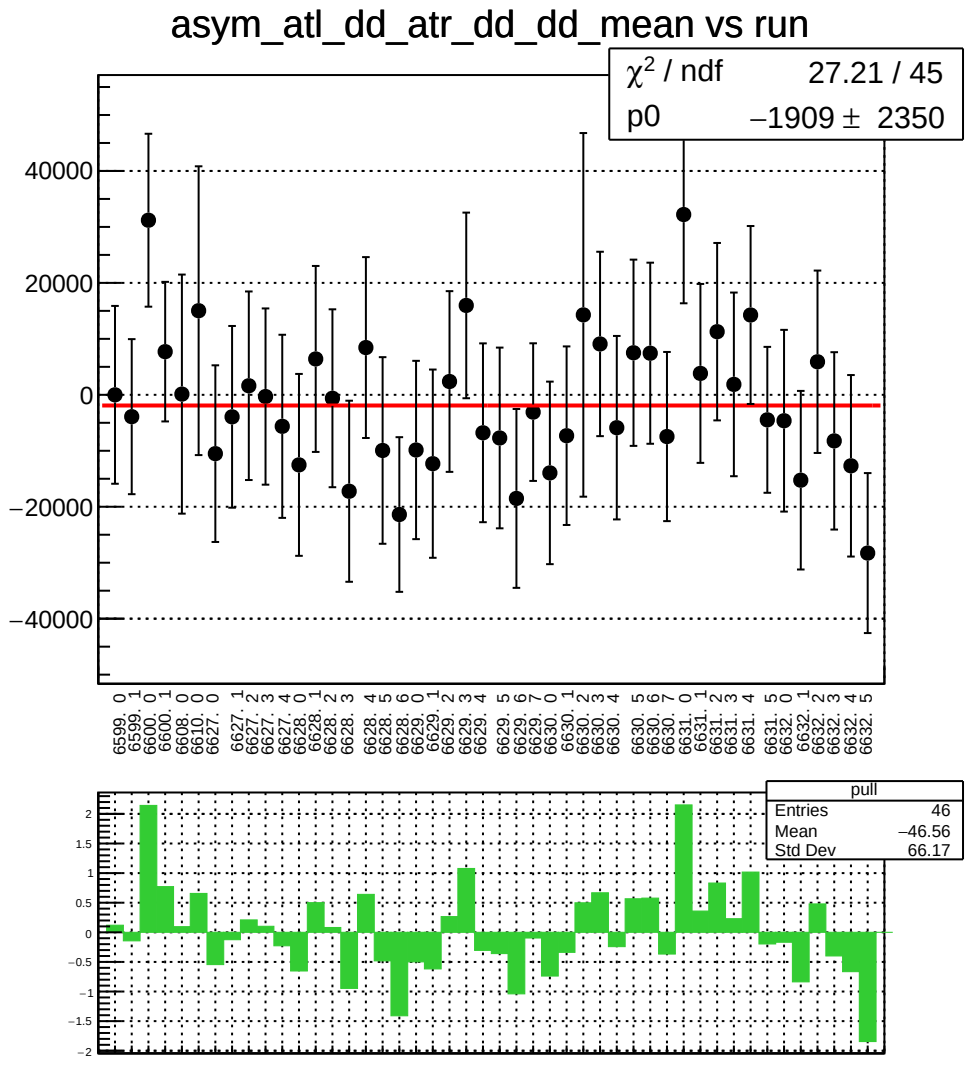

pull1D
Entries 46
Mean 0.01943
Std Dev 0.8374
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

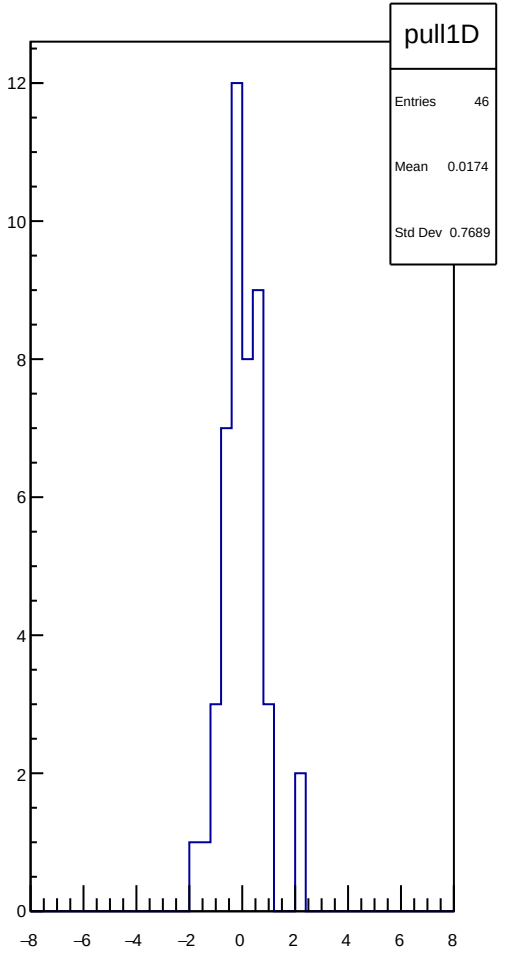

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5264 / 45
p0 1413 ± 1.526
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

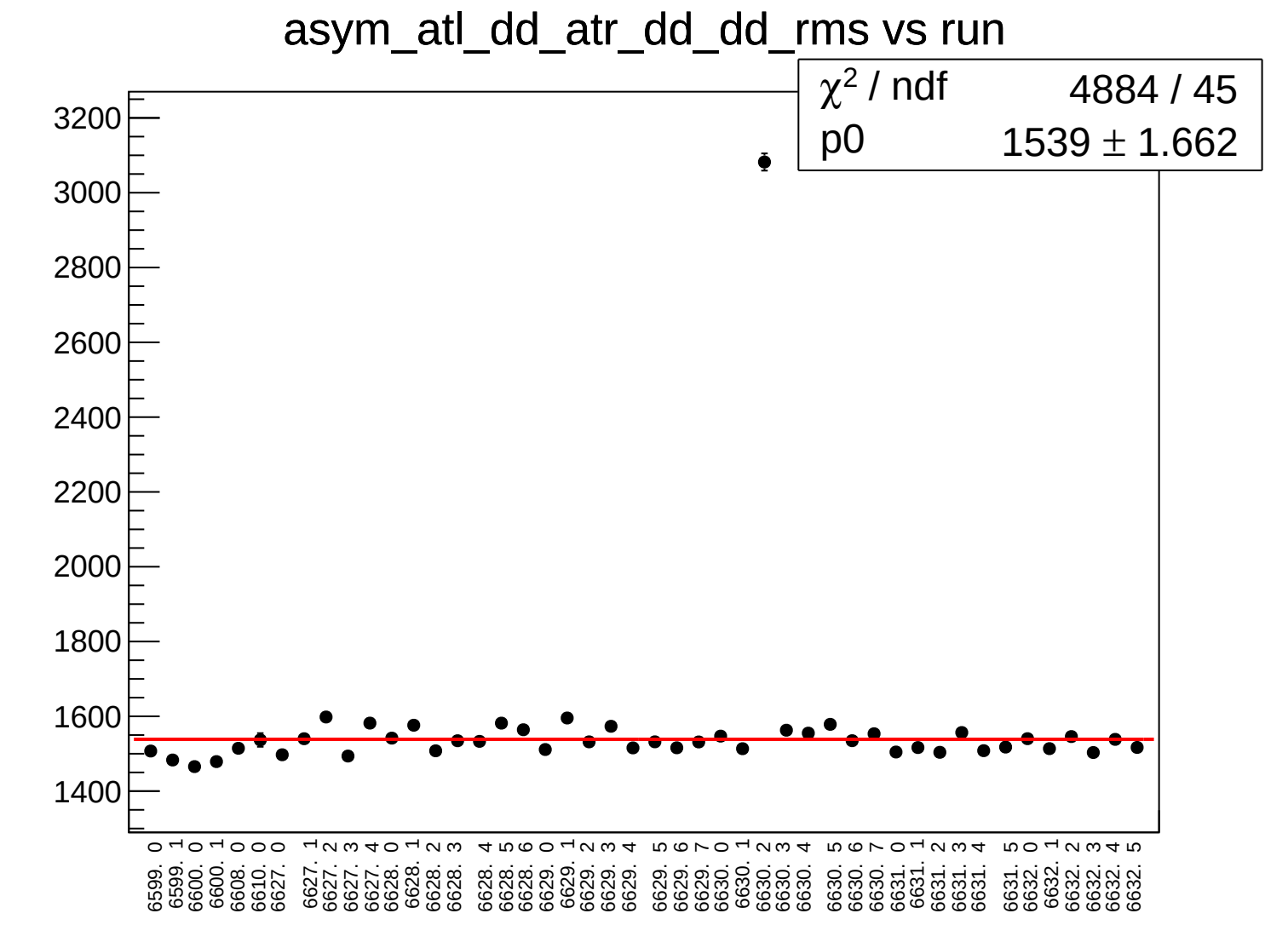

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 41.1 / 45
p0 −2042 ± 940.7
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 813
Std Dev 791.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

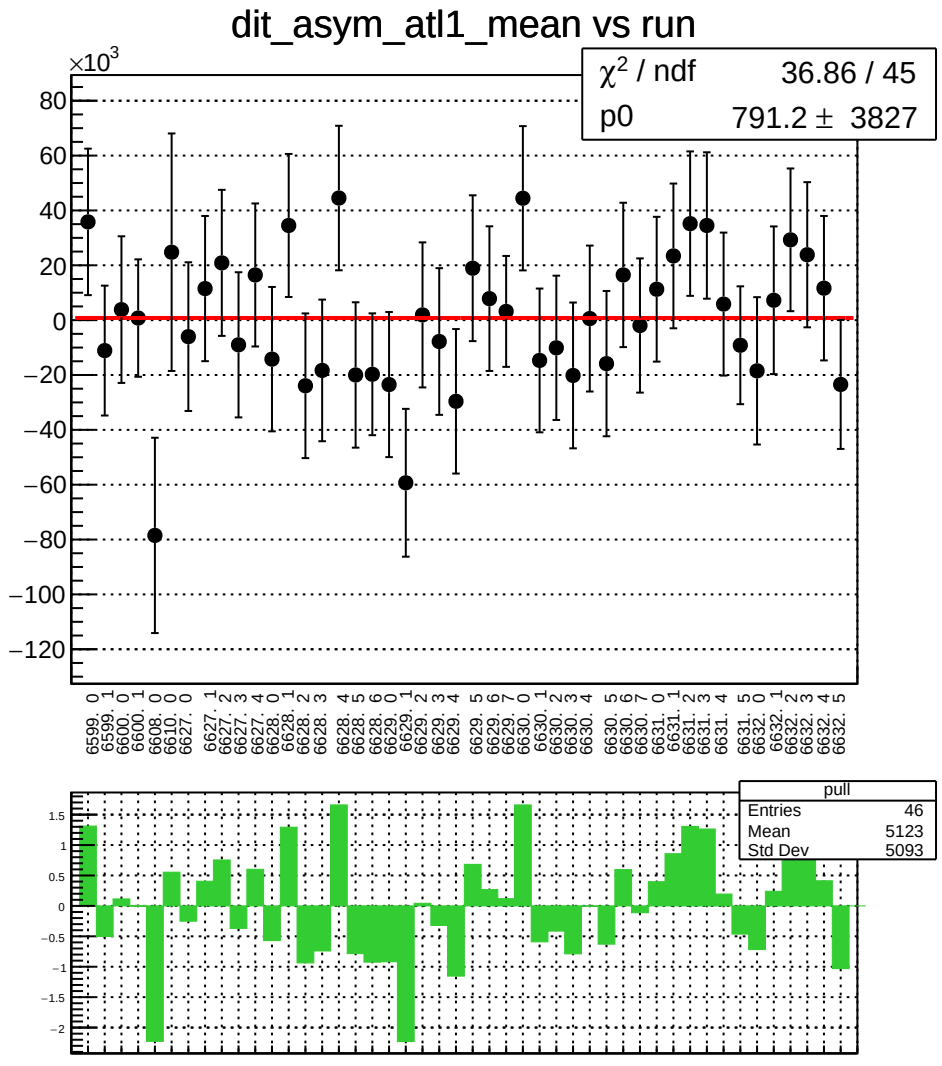

pull1D
Entries 46
Mean 0.002173
Std Dev 0.9452
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

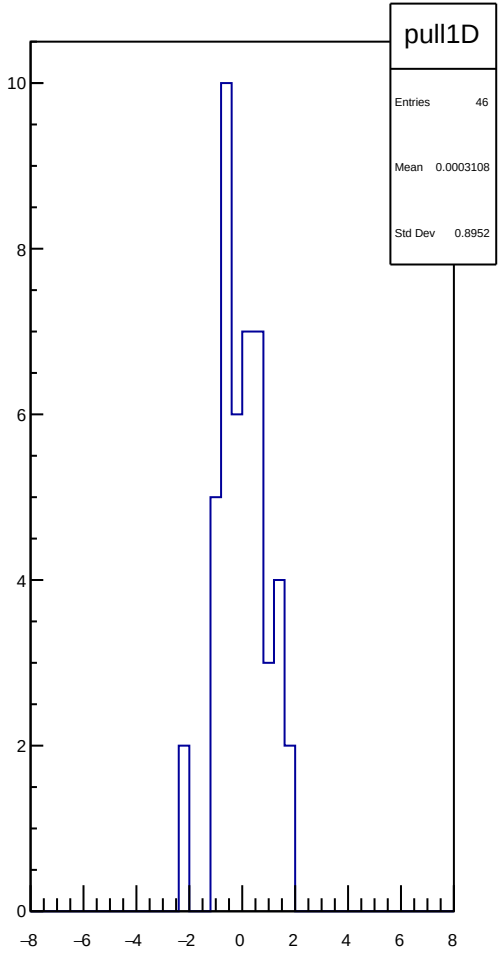

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 5117 / 45
p0 615.8 ± 0.6652
750
700
650
600
550
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

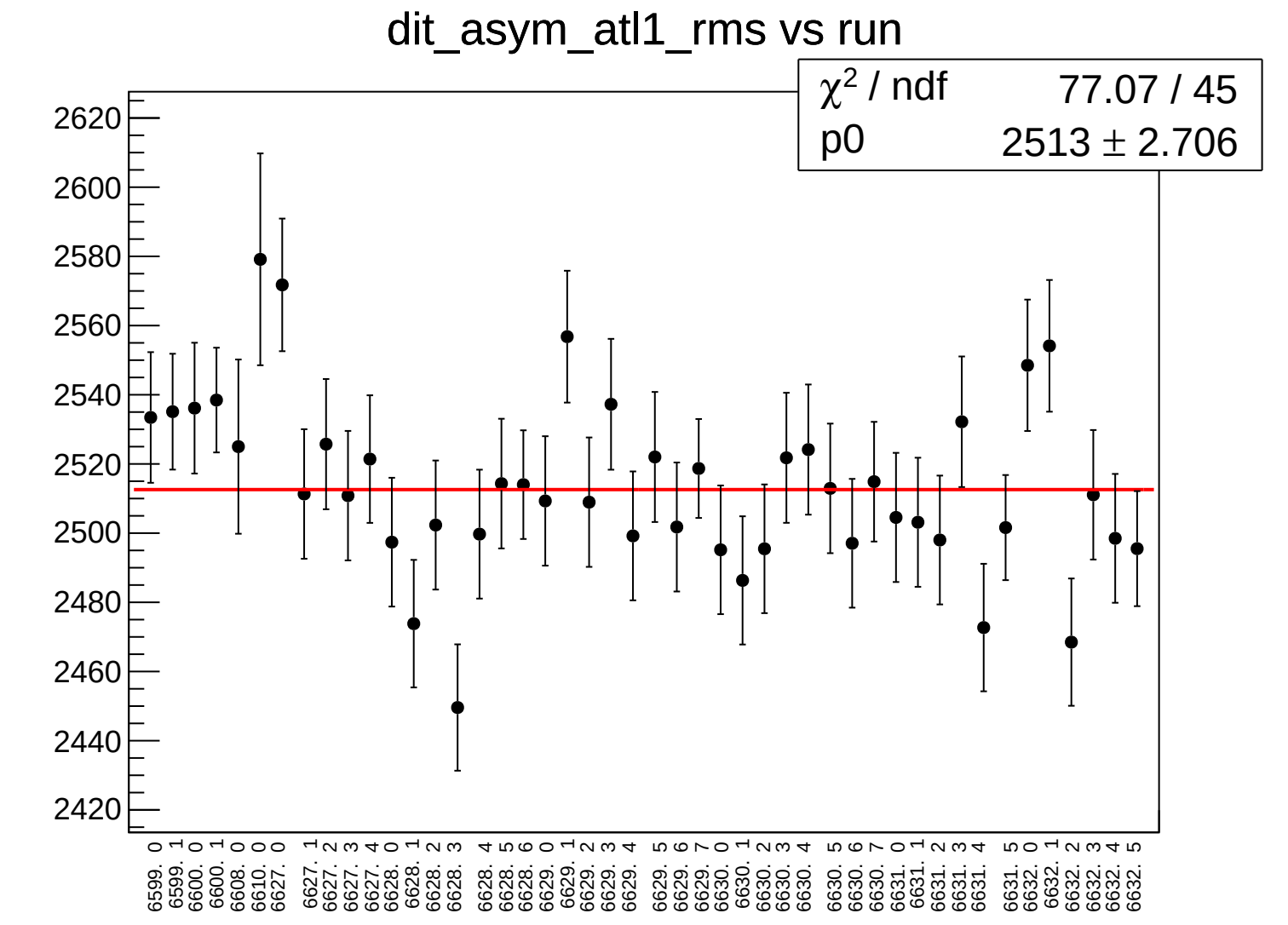

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 27.21 / 45
p0 −1909 ± 2350
40000
20000
0
−20000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −46.56
Std Dev 66.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

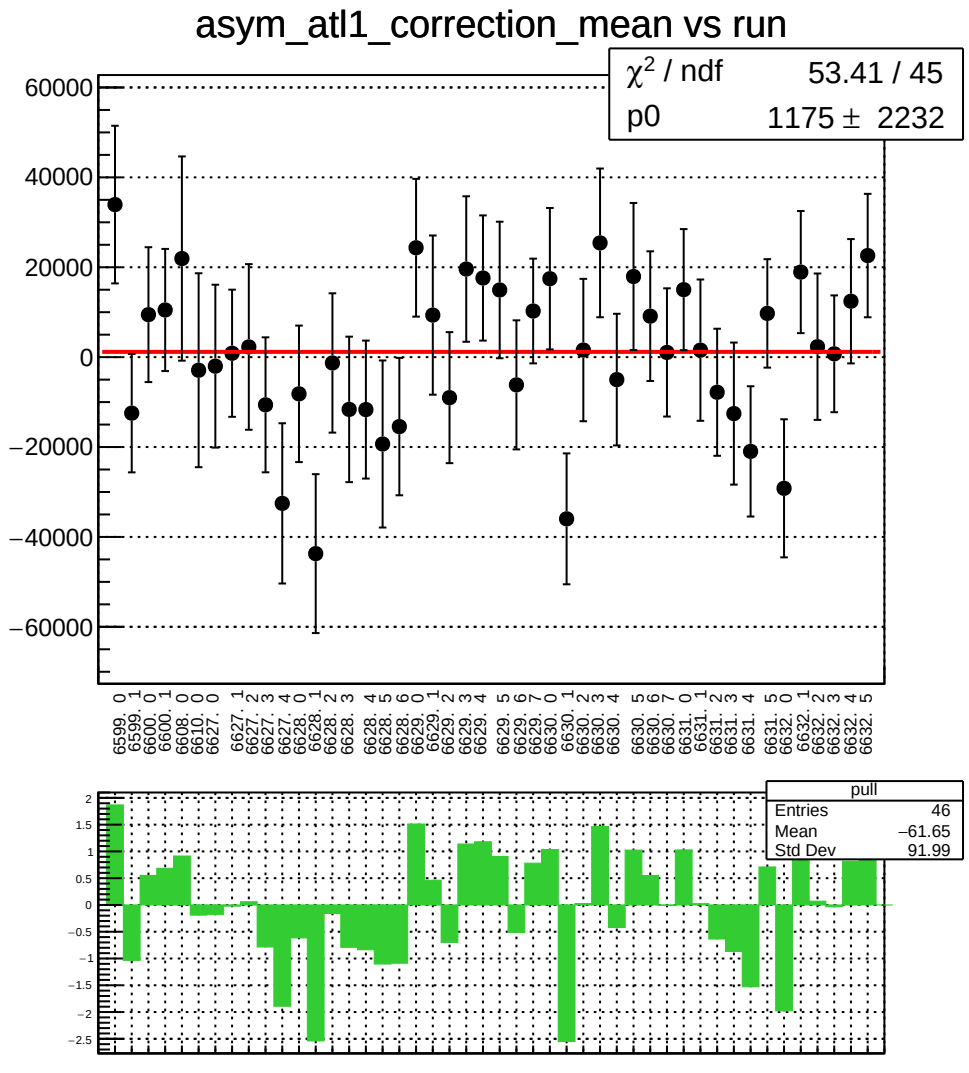

pull1D
Entries 46
Mean 0.0174
Std Dev 0.7689
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

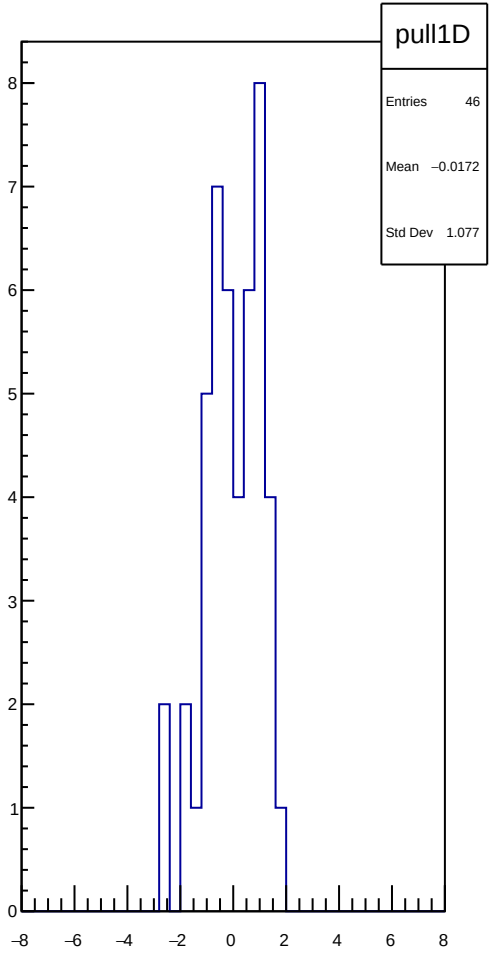

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4884 / 45
p0 1539 ± 1.662
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

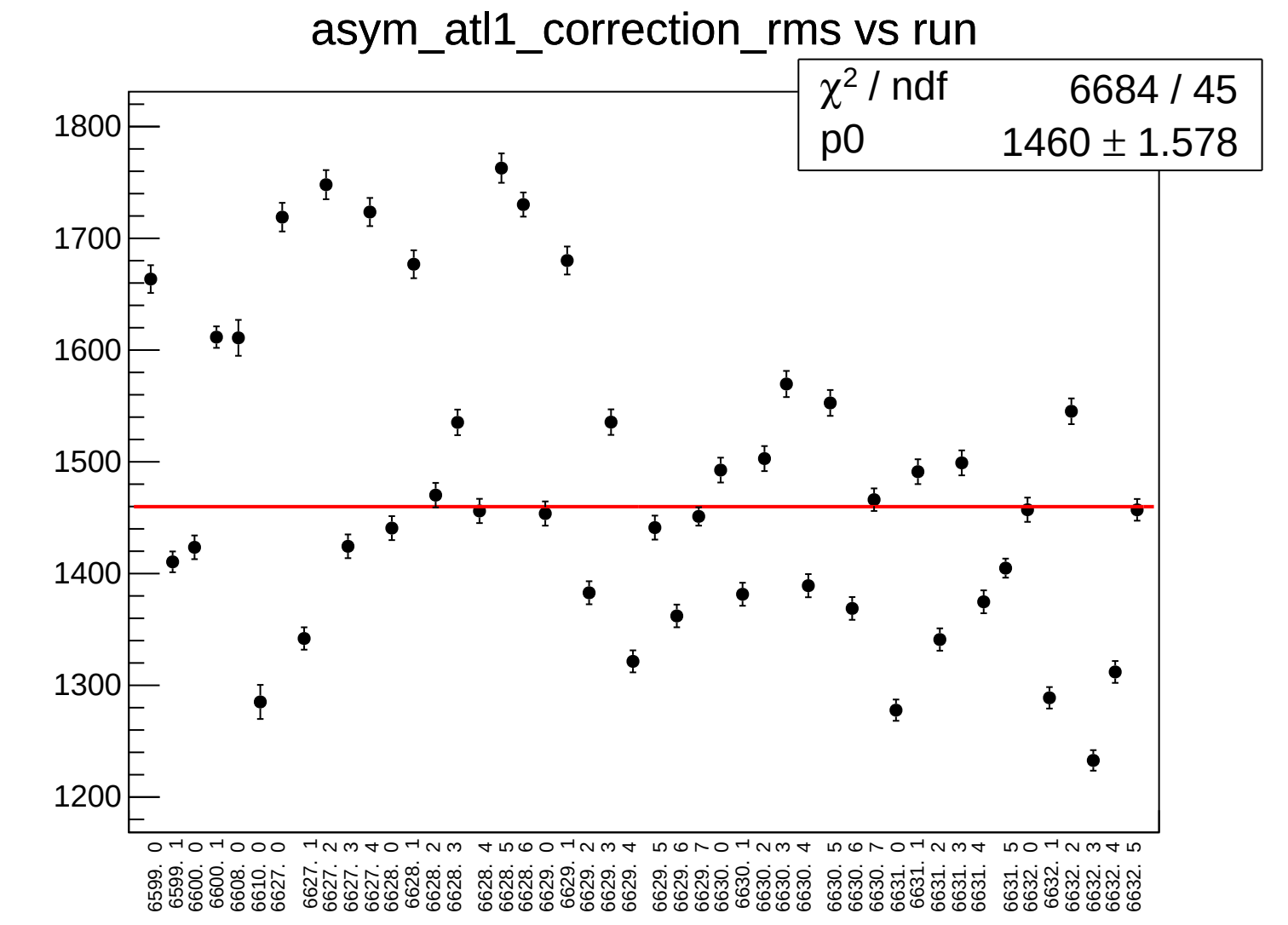

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 36.86 / 45
p0 791.2 ± 3827
pull
Entries 46
Mean 5123
Std Dev 5093

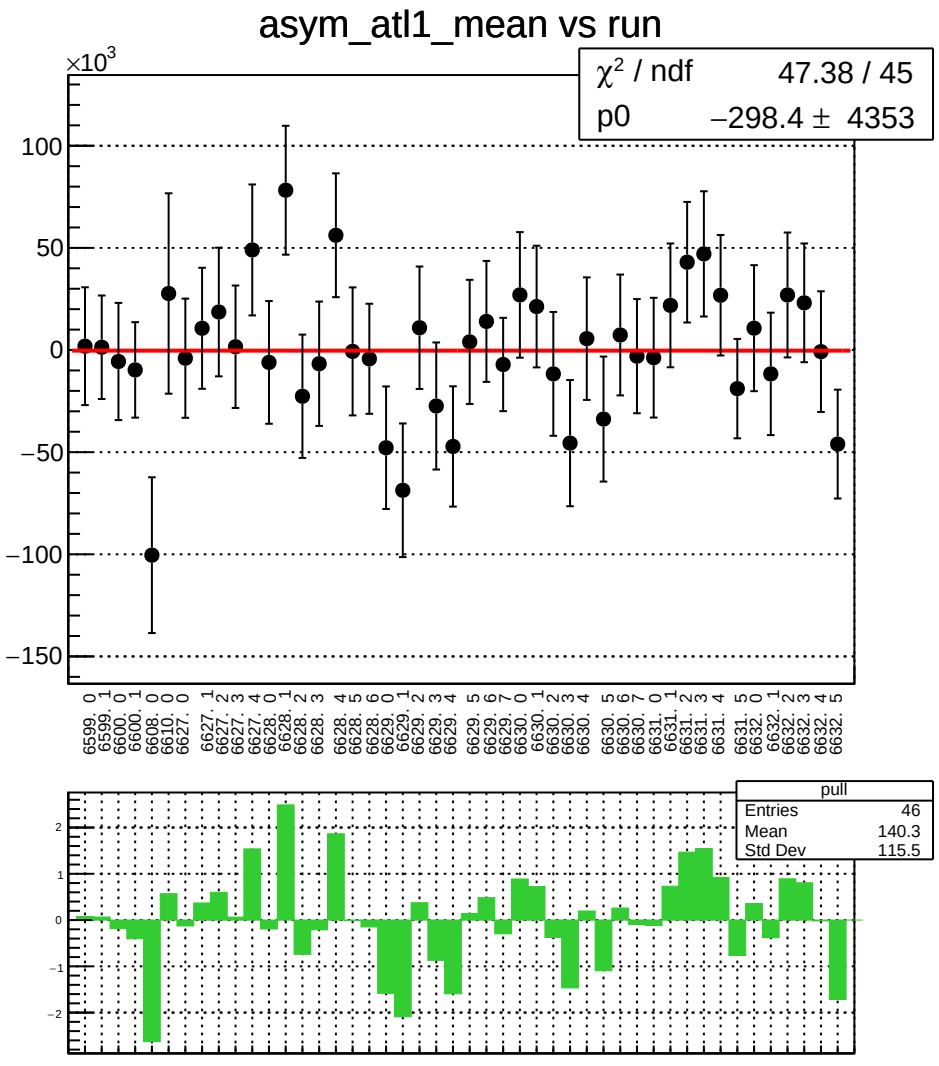

pull1D
Entries 46
Mean 0.0003108
Std Dev 0.8952

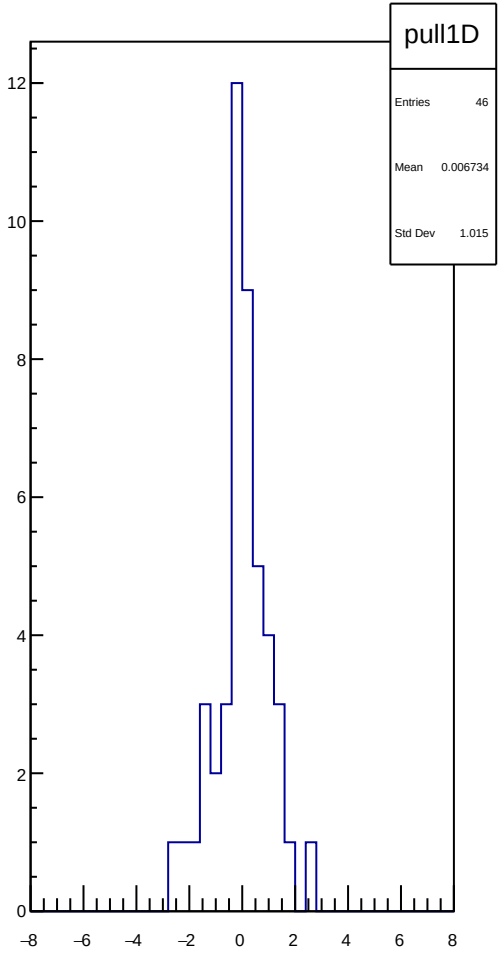

dit_asym_atl1_rms vs run
χ^2 / ndf 77.07 / 45
p0 2513 ± 2.706
2620
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

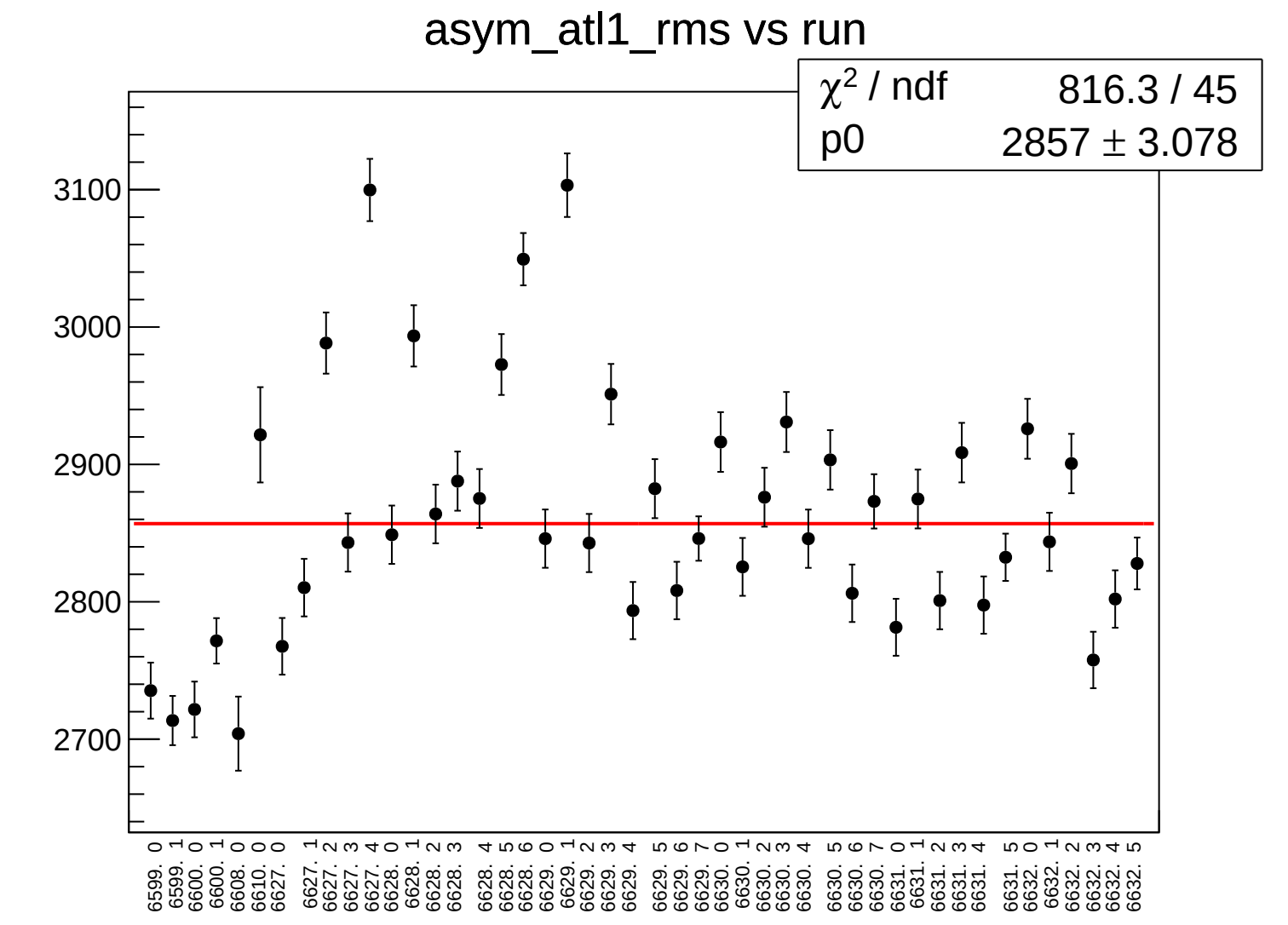

asym_atl1_correction_mean vs run
χ² / ndf 53.41 / 45
p0 1175 ± 2232
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −61.65
Std Dev 91.99
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

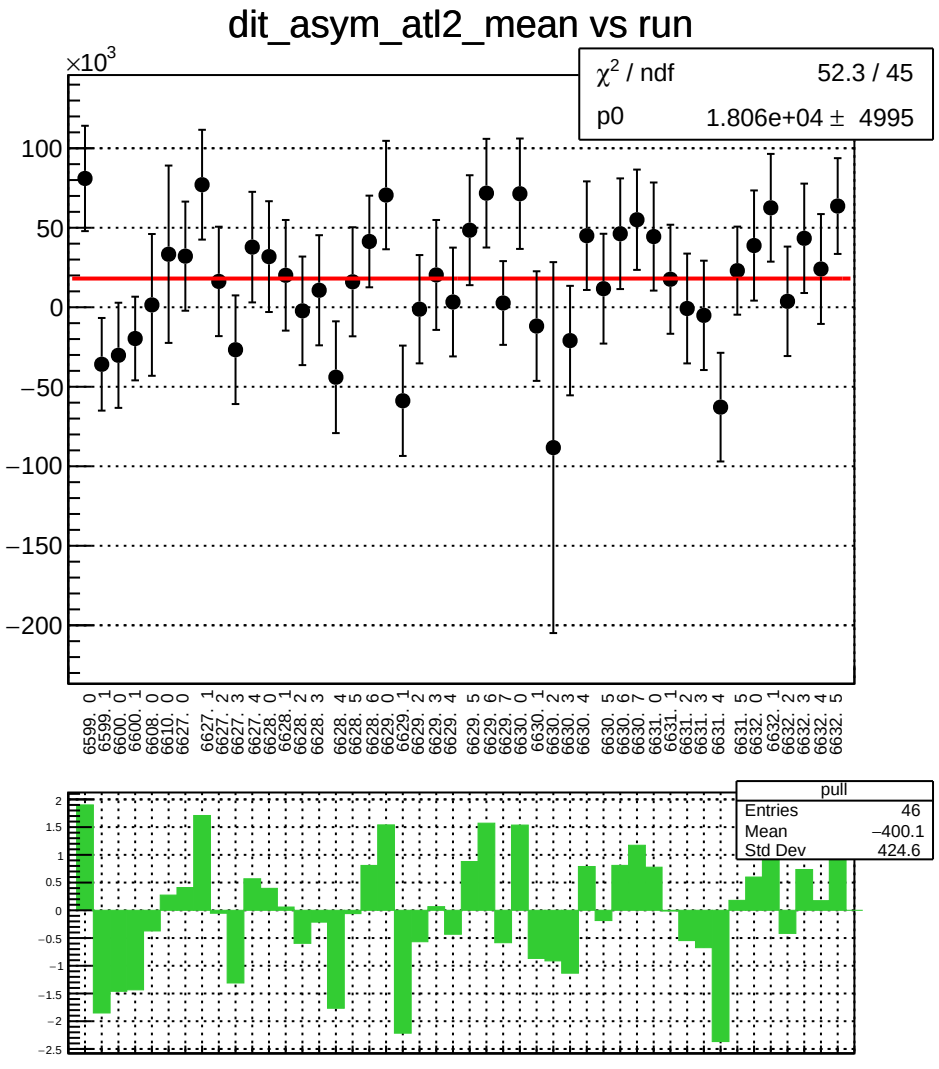

pull1D
Entries 46
Mean −0.0172
Std Dev 1.077
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

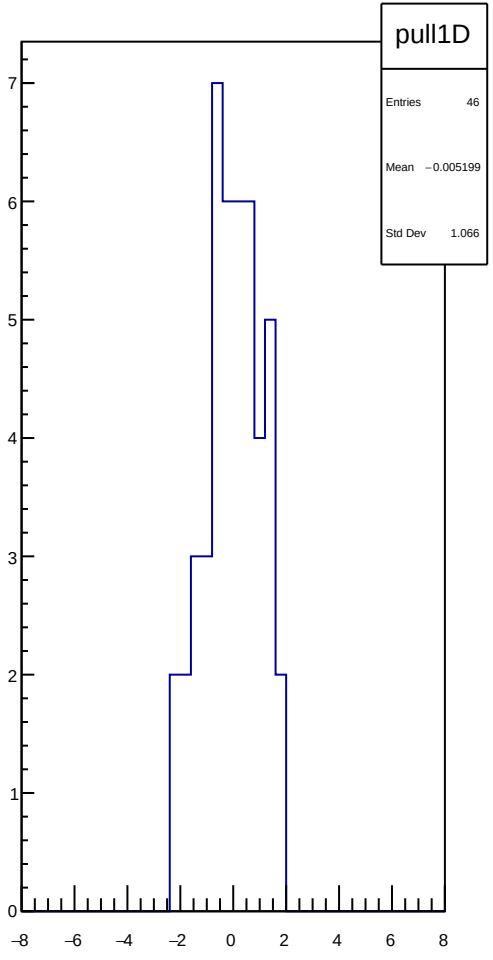

asym_atl1_correction_rms vs run
χ² / ndf 6684 / 45
p0 1460 ± 1.578
1800
1700
1600
1500
1400
1300
1200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

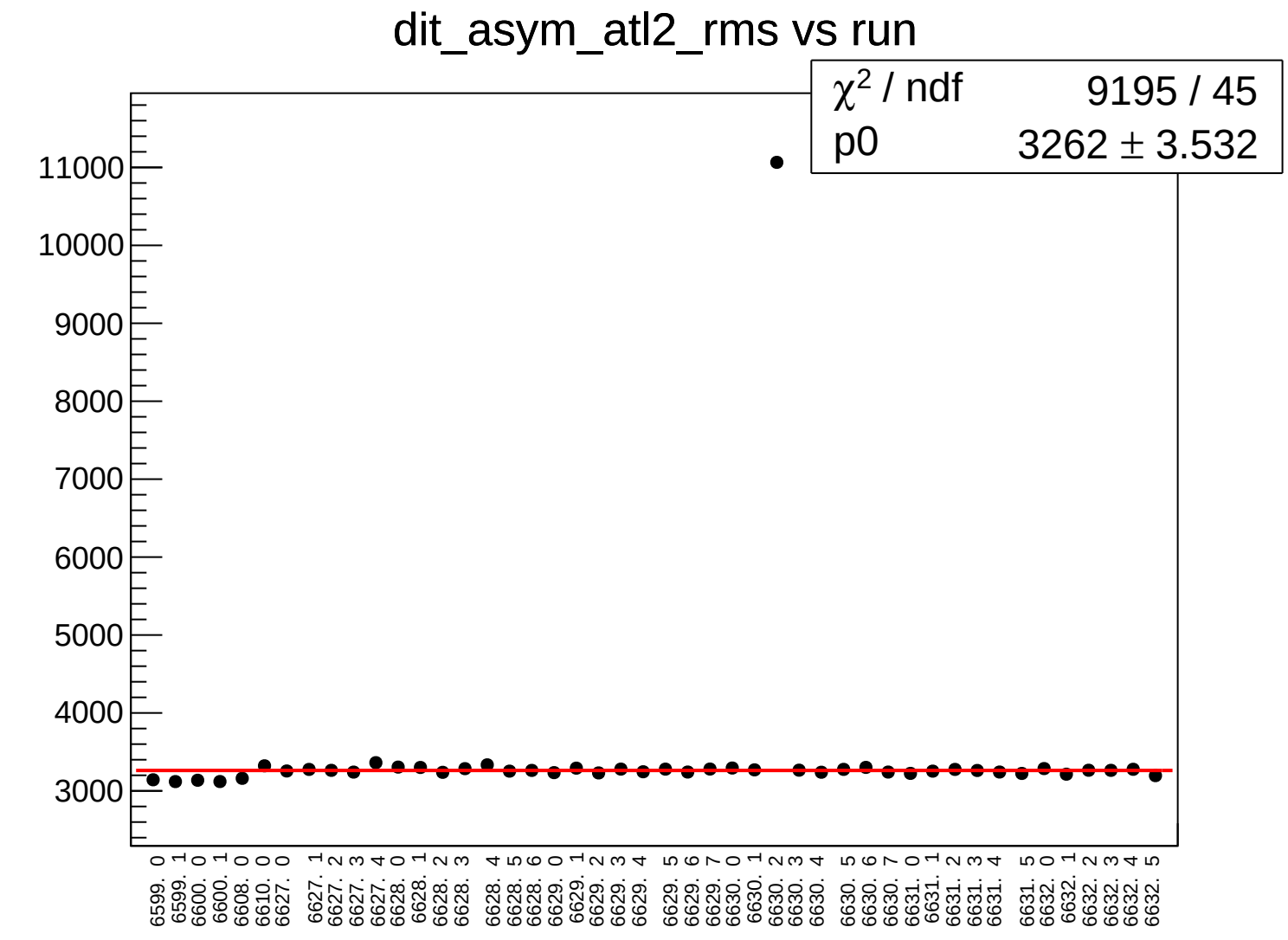

asym_atl1_mean vs run
×10^3
χ² / ndf 47.38 / 45
p0 −298.4 ± 4353
100
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 140.3
Std Dev 115.5
2
1
0
−1
−2

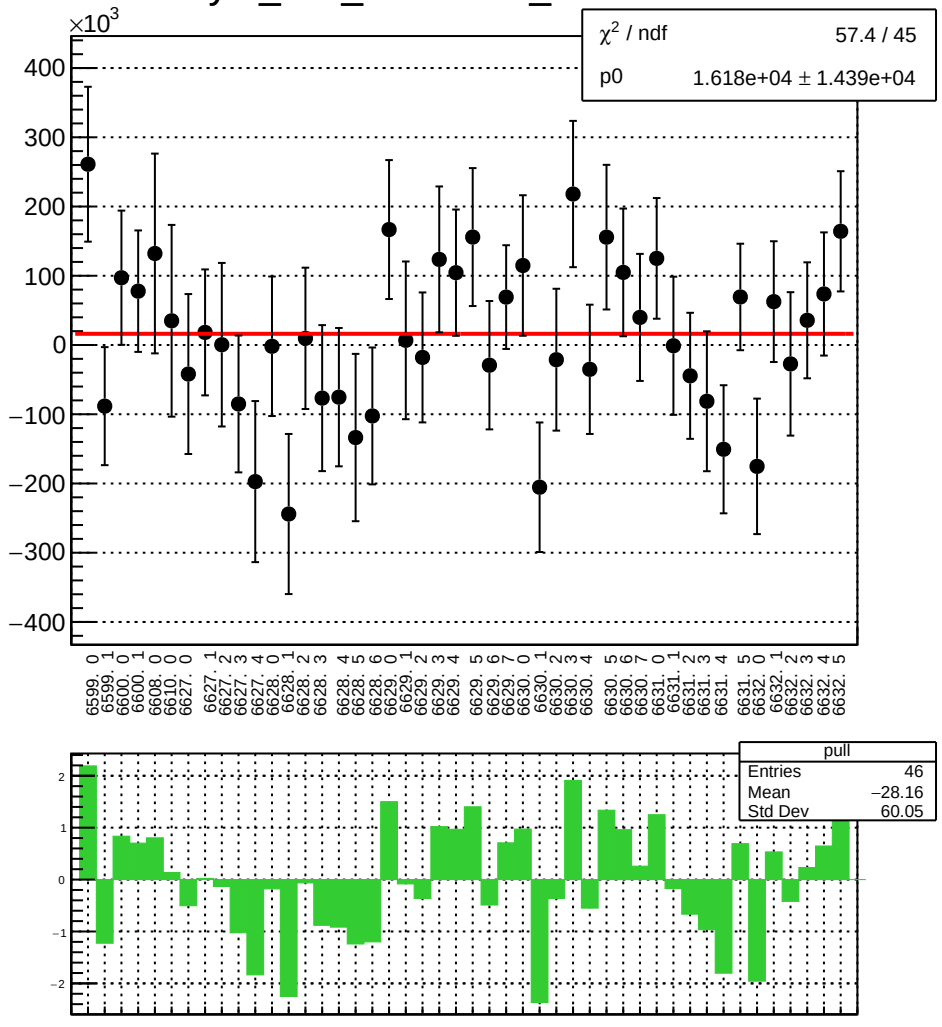

pull1D
Entries 46
Mean 0.006734
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

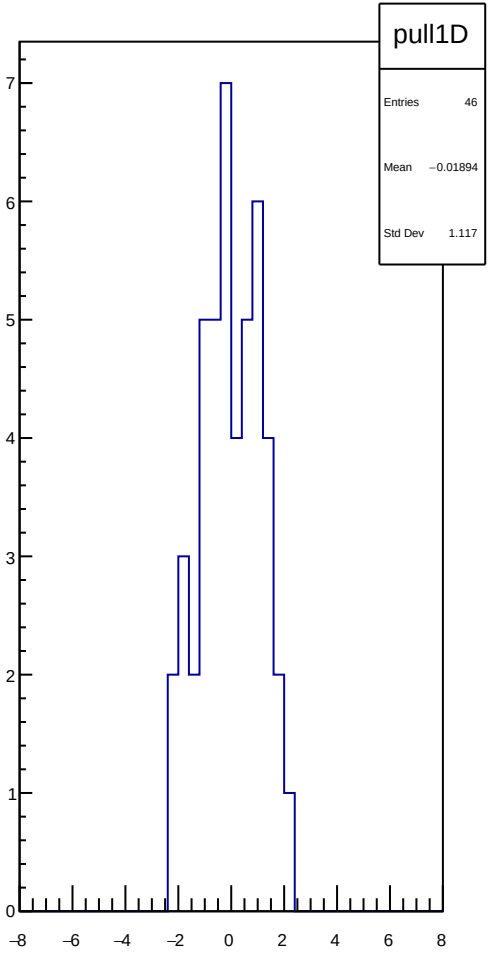

asym_atl1_rms vs run
χ² / ndf 816.3 / 45
p0 2857 ± 3.078
3100
3000
2900
2800
2700
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

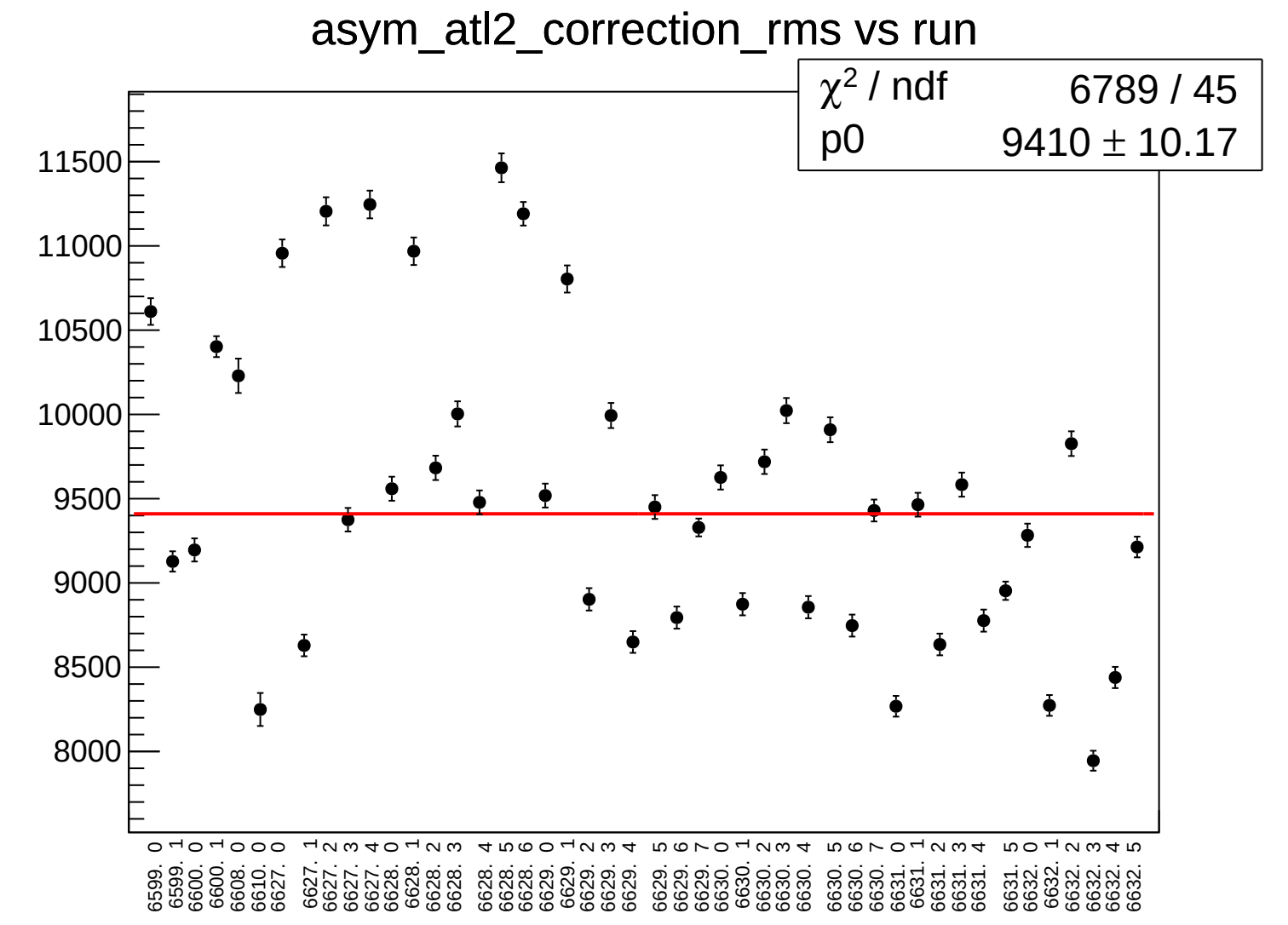

dit_asym_atl2_mean vs run
χ² / ndf 52.3 / 45
p0 1.806e+04 ± 4995
×10³
100
50
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −400.1
Std Dev 424.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

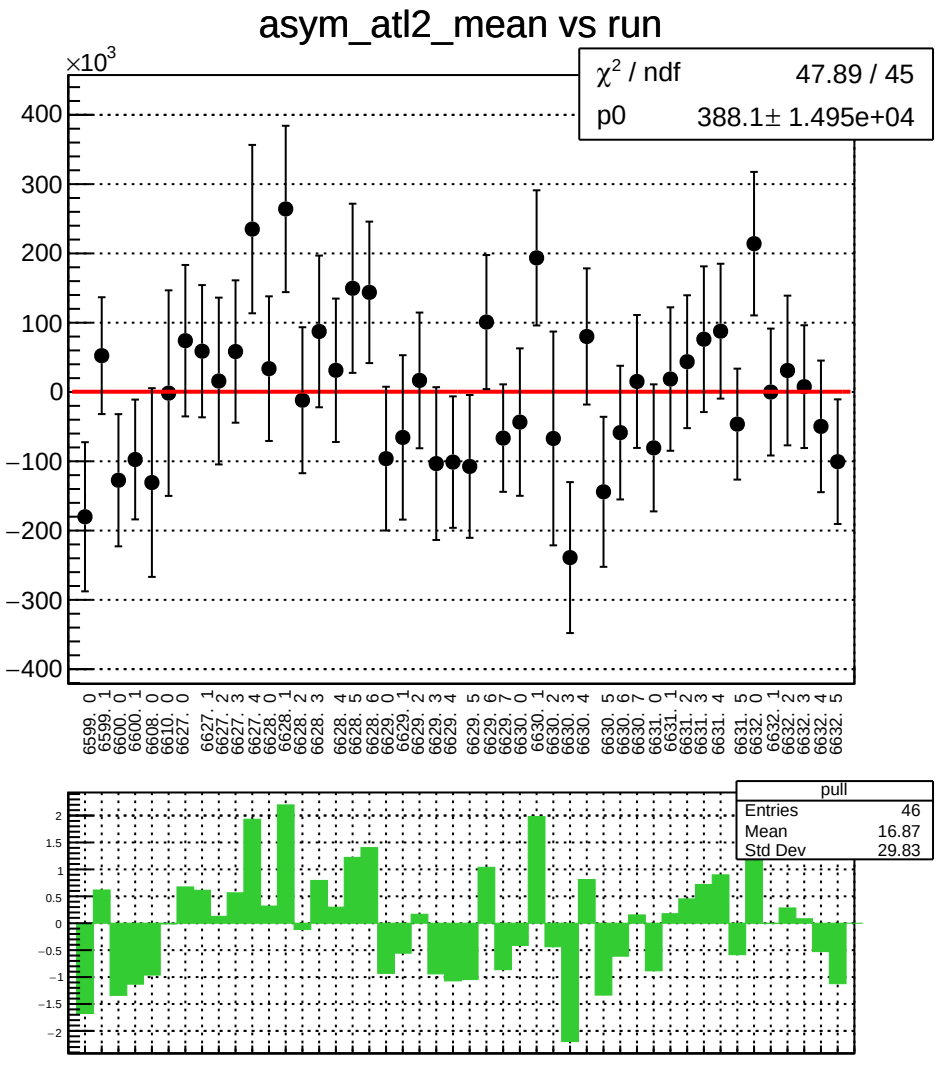

pull1D
Entries 46
Mean −0.005199
Std Dev 1.066
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

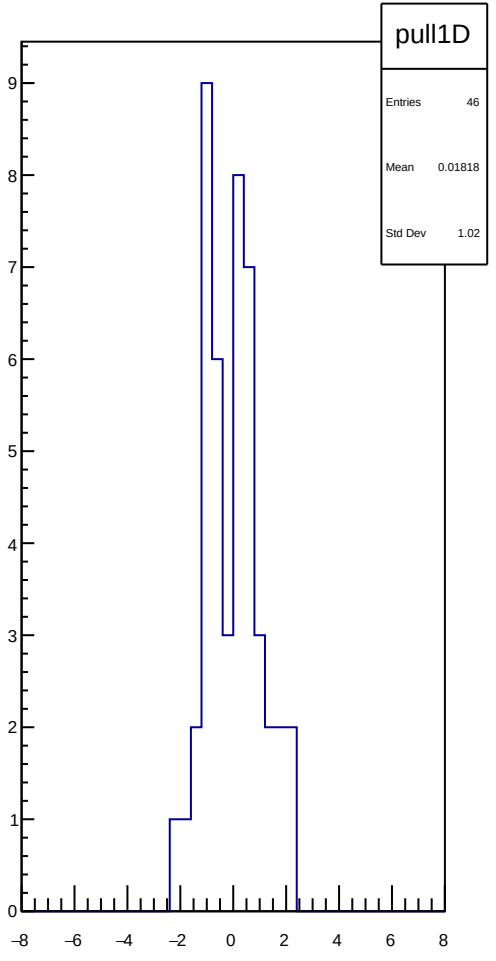

dit_asym_atl2_rms vs run
χ² / ndf 9195 / 45
p0 3262 ± 3.532
11000
10000
9000
8000
7000
6000
5000
4000
3000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

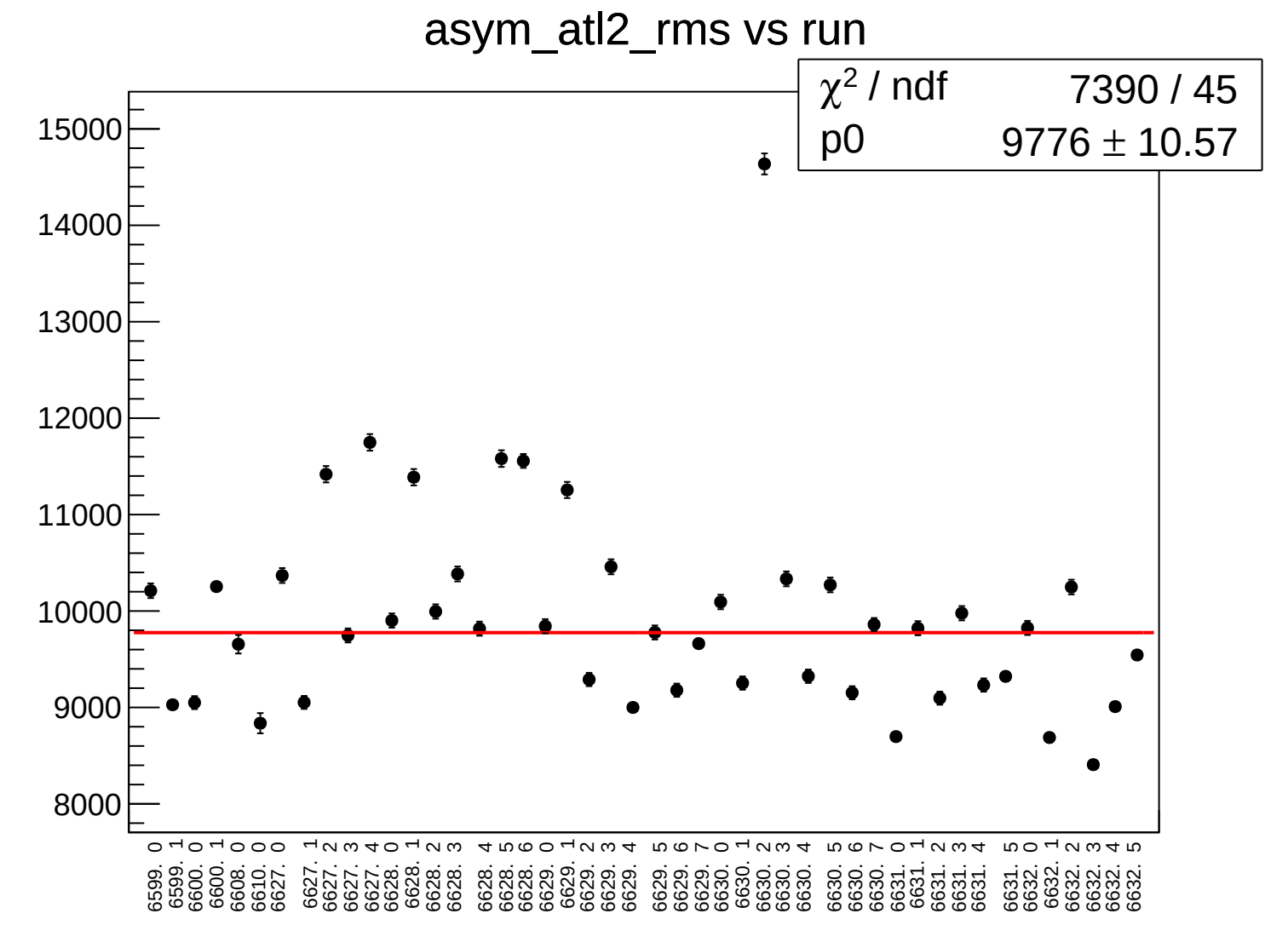

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 57.4 / 45
p0 1.618e+04 ± 1.439e+04
pull
Entries 46
Mean −28.16
Std Dev 60.05

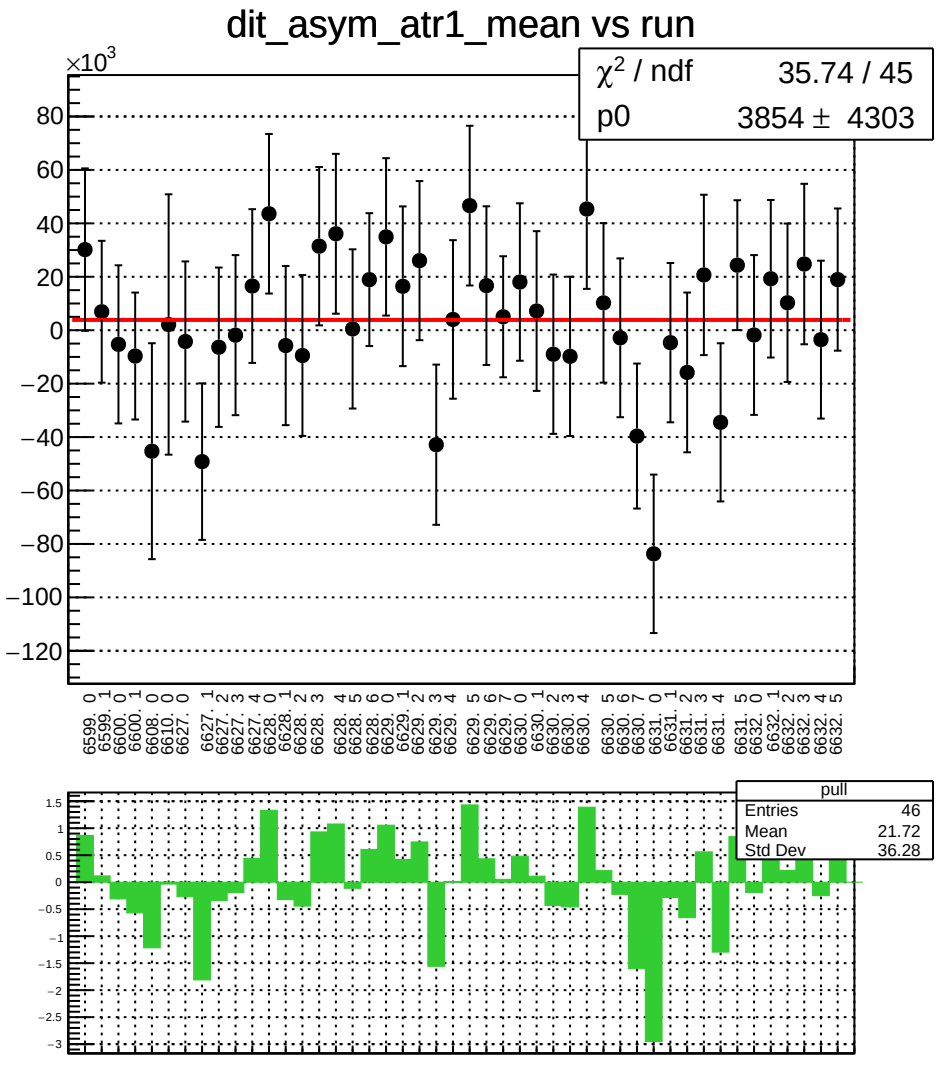

pull1D
Entries 46
Mean −0.01894
Std Dev 1.117

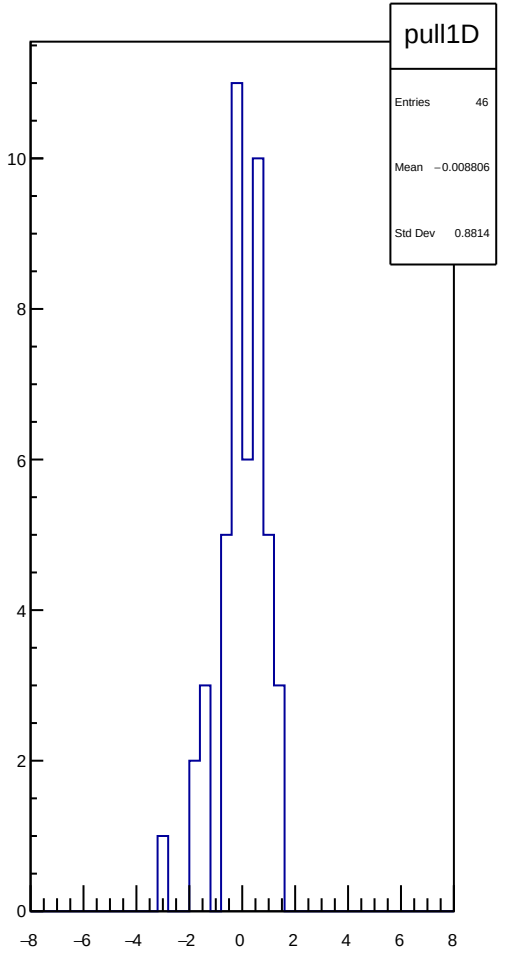

asym_atl2_correction_rms vs run
χ² / ndf 6789 / 45
p0 9410 ± 10.17
11500
11000
10500
10000
9500
9000
8500
8000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

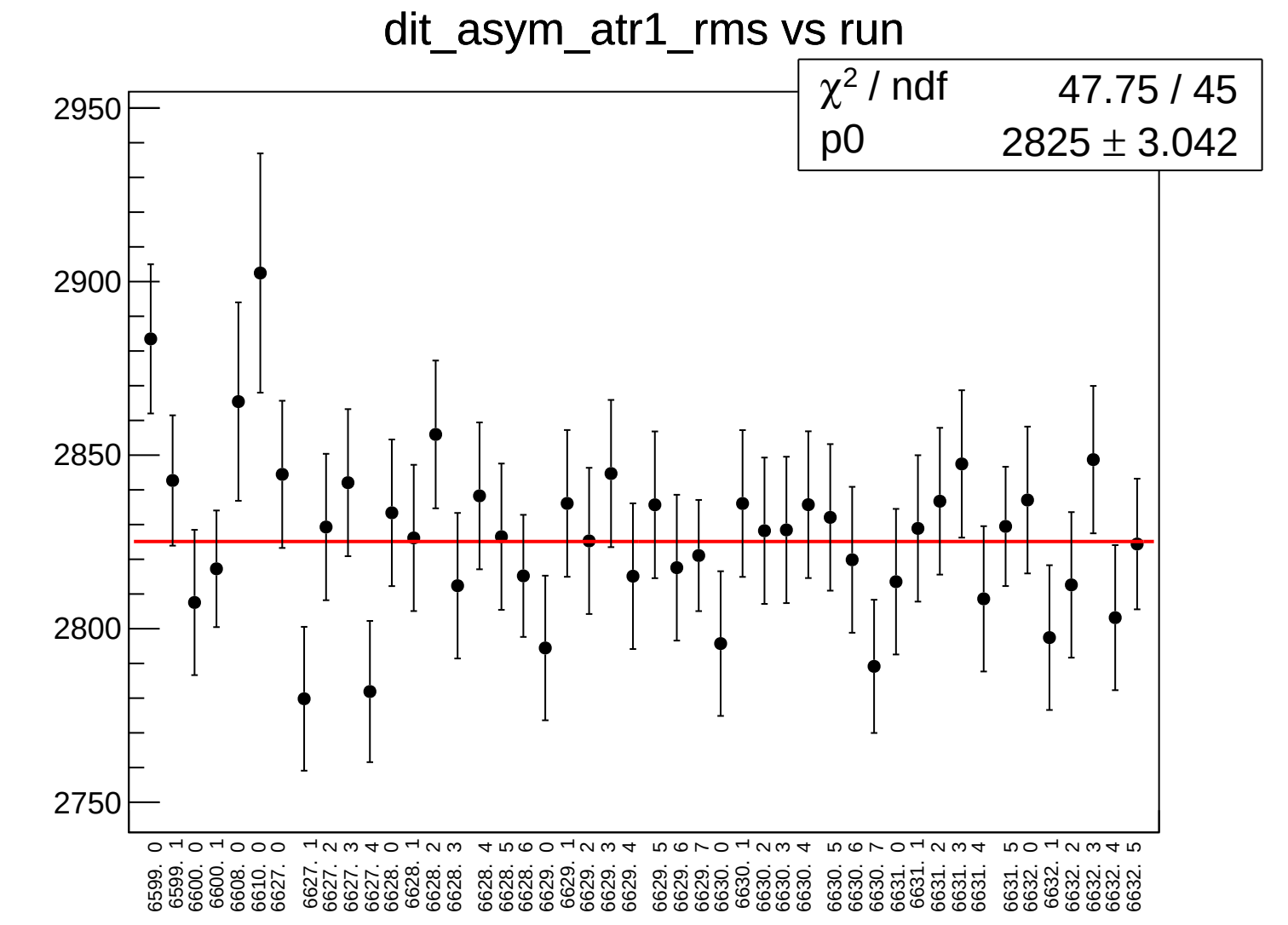

asym_atl2_mean vs run
×10^3
χ² / ndf 47.89 / 45
p0 388.1± 1.495e+04
pull
Entries 46
Mean 16.87
Std Dev 29.83

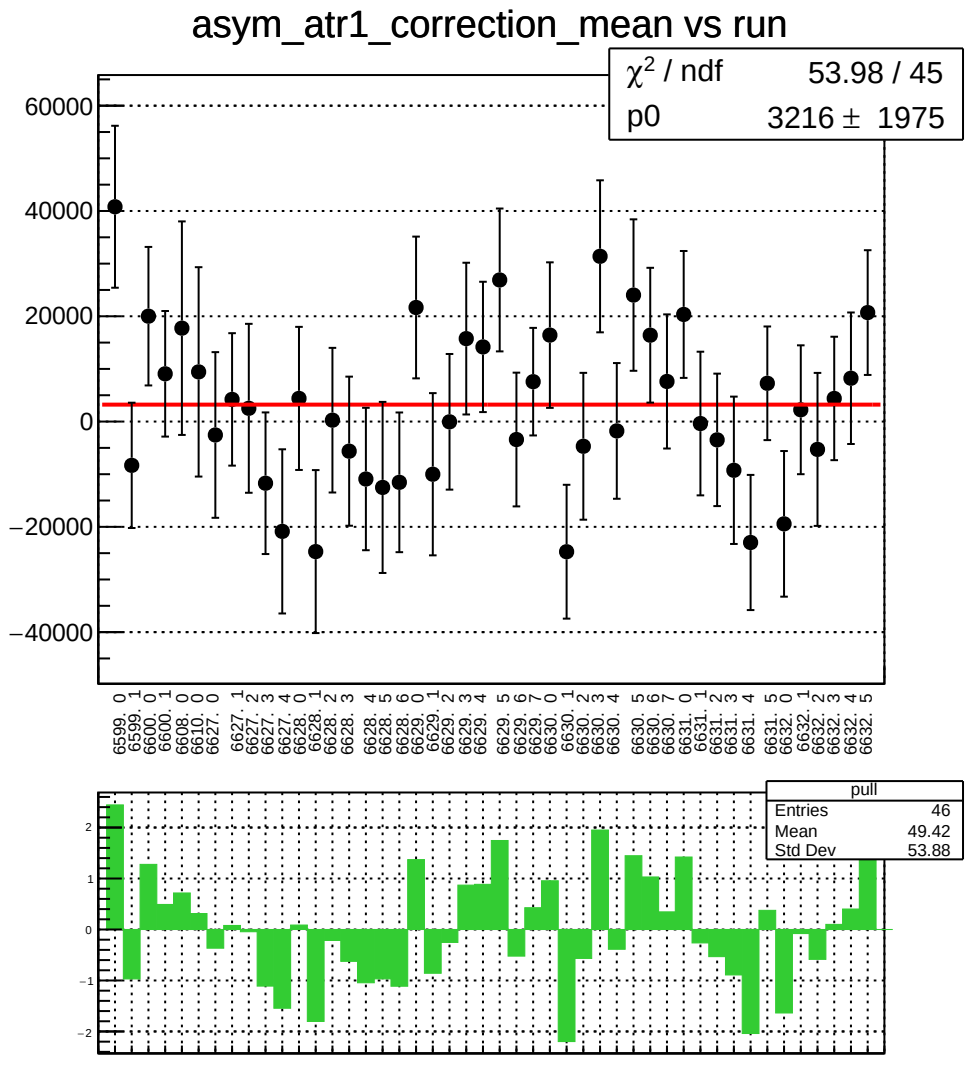

pull1D
Entries 46
Mean 0.01818
Std Dev 1.02

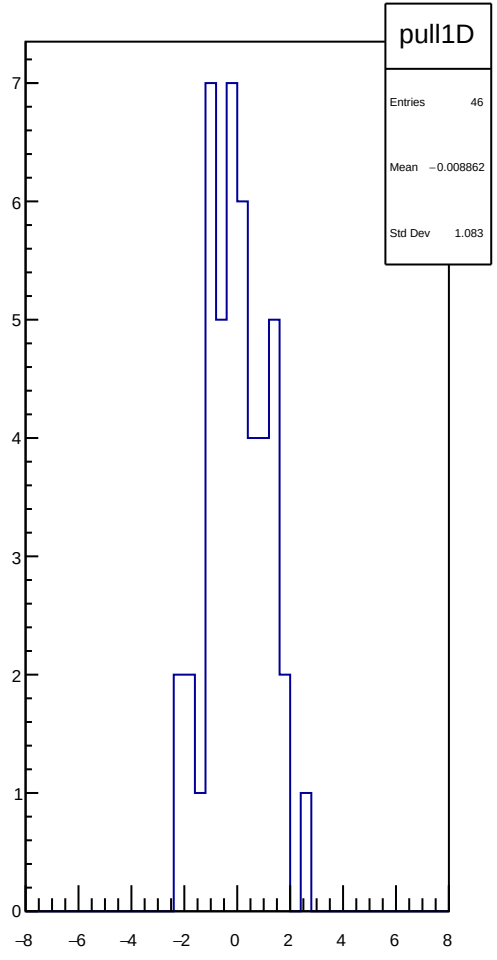

asym_atl2_rms vs run
χ² / ndf 7390 / 45
p0 9776 ± 10.57
15000
14000
13000
12000
11000
10000
9000
8000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

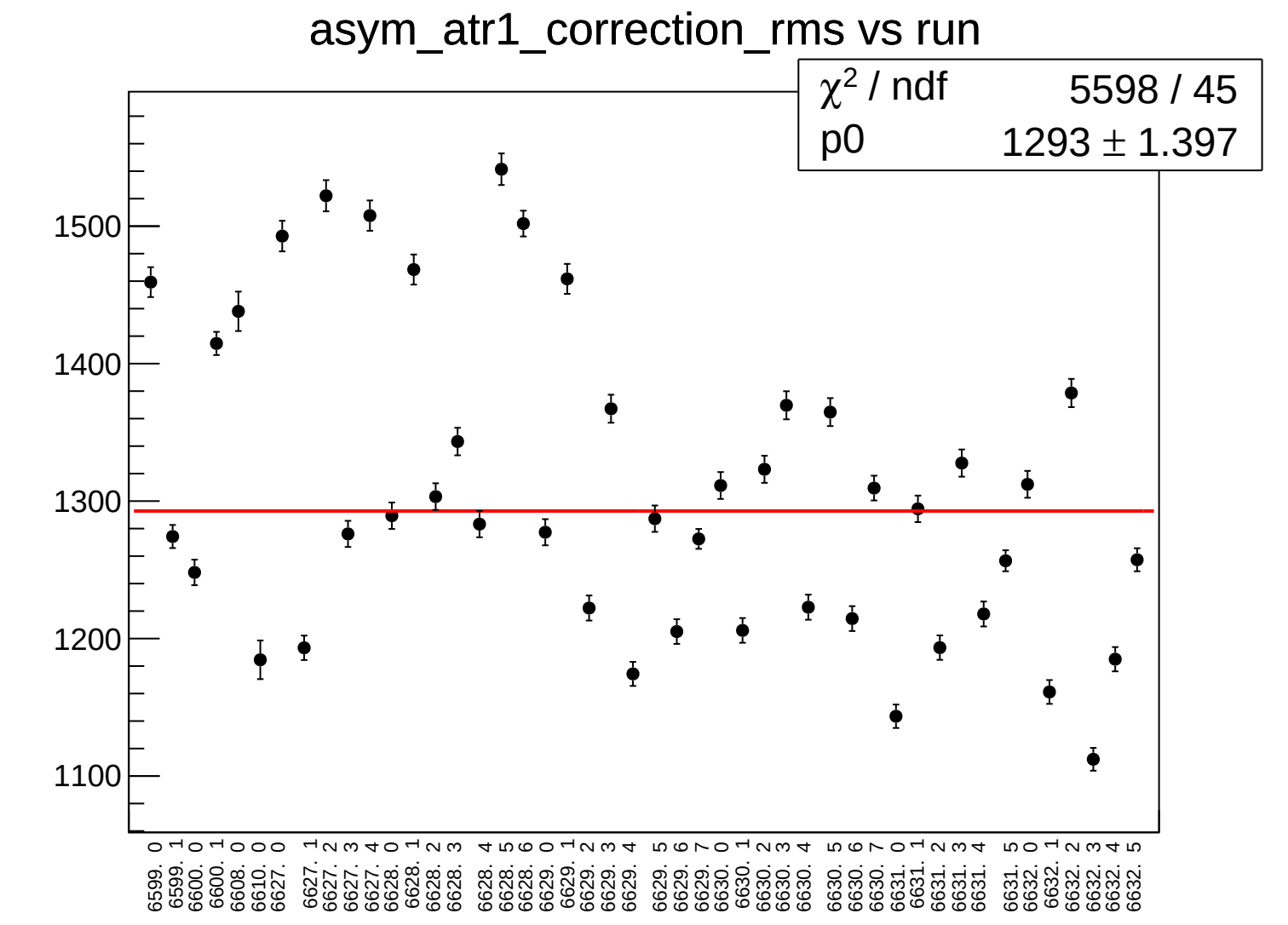

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 35.74 / 45
p0 3854 ± 4303
pull
Entries 46
Mean 21.72
Std Dev 36.28

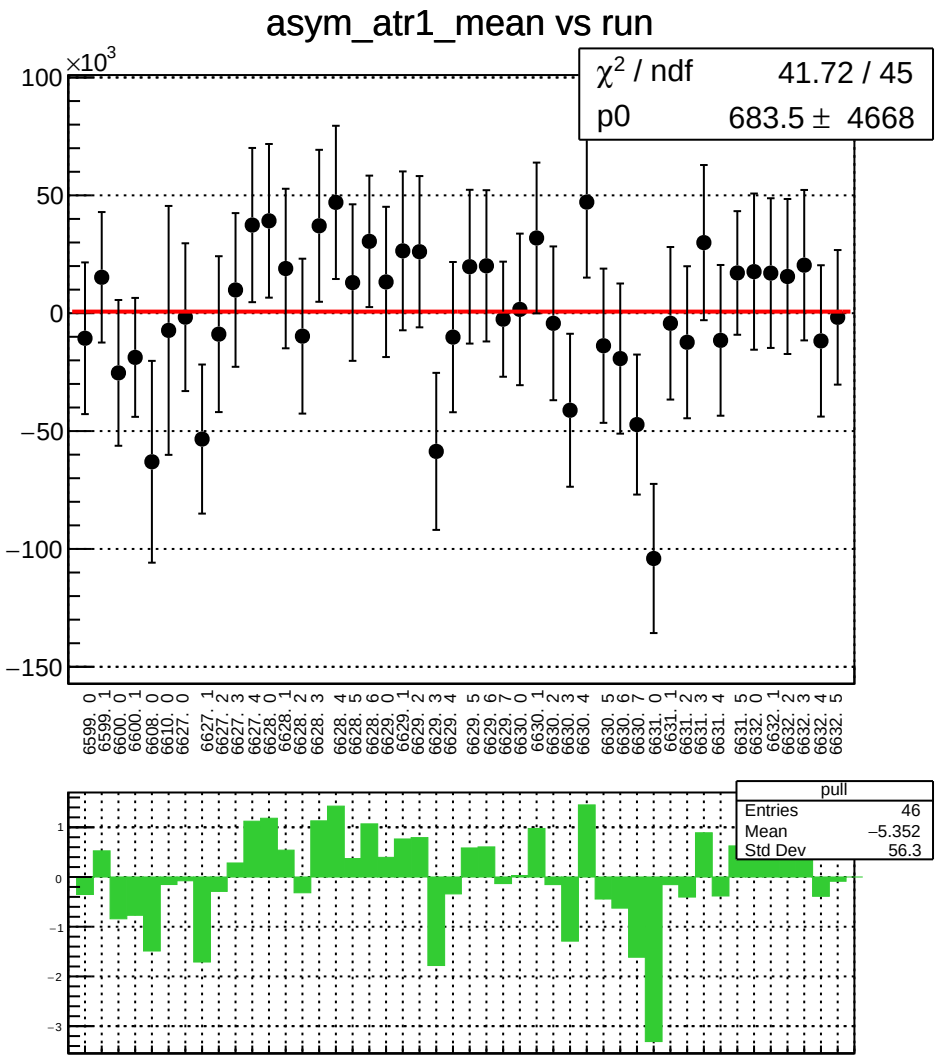

pull1D
Entries 46
Mean −0.008806
Std Dev 0.8814

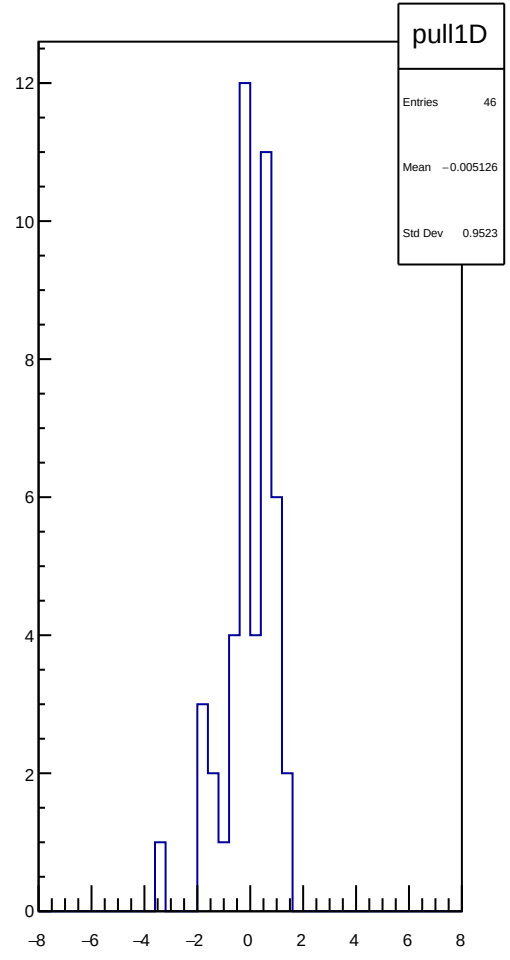

dit_asym_atr1_rms vs run
χ² / ndf 47.75 / 45
p0 2825 ± 3.042
2950
2900
2850
2800
2750
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

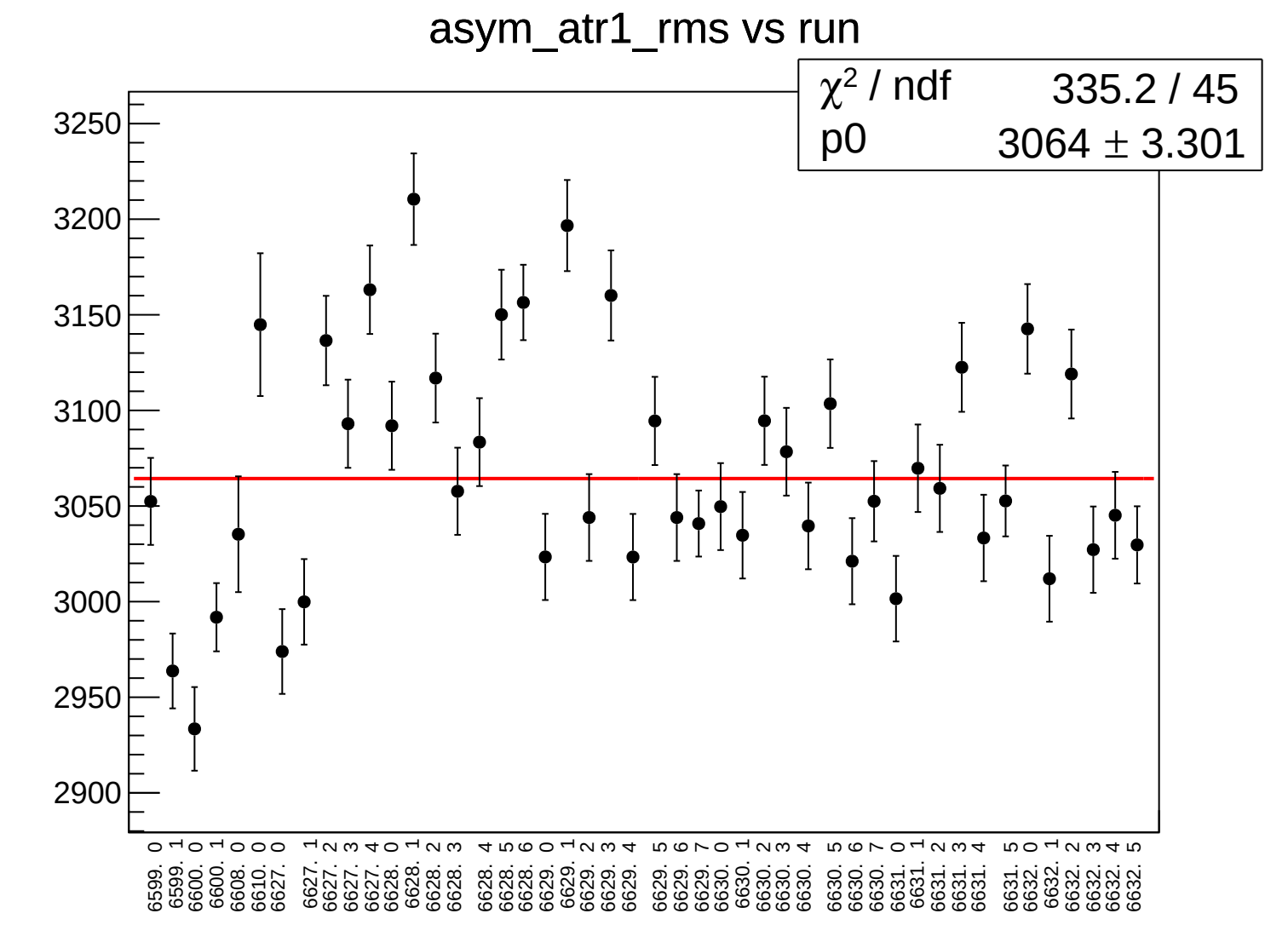

asym_atr1_correction_mean vs run
χ² / ndf 53.98 / 45
p0 3216 ± 1975
60000
40000
20000
0
−20000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 49.42
Std Dev 53.88
2
1
0
−1
−2

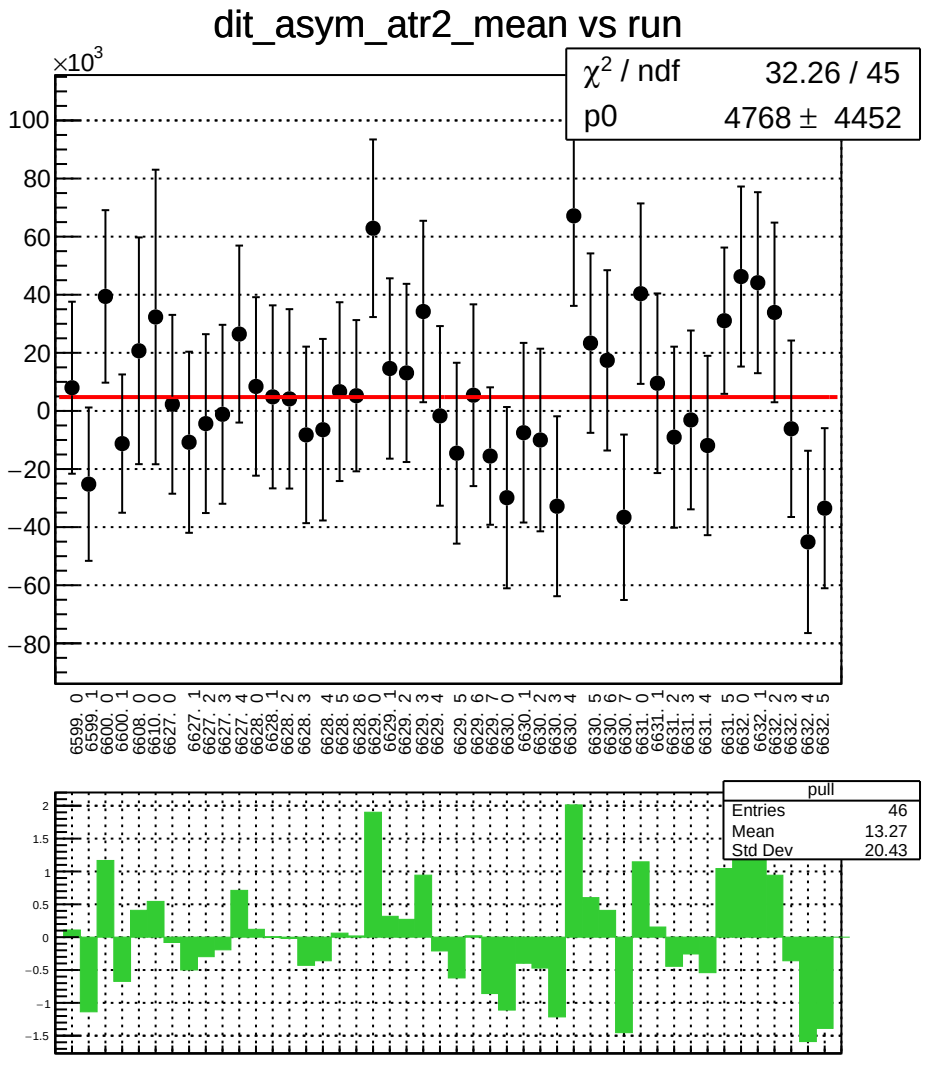

pull1D
Entries 46
Mean −0.008862
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

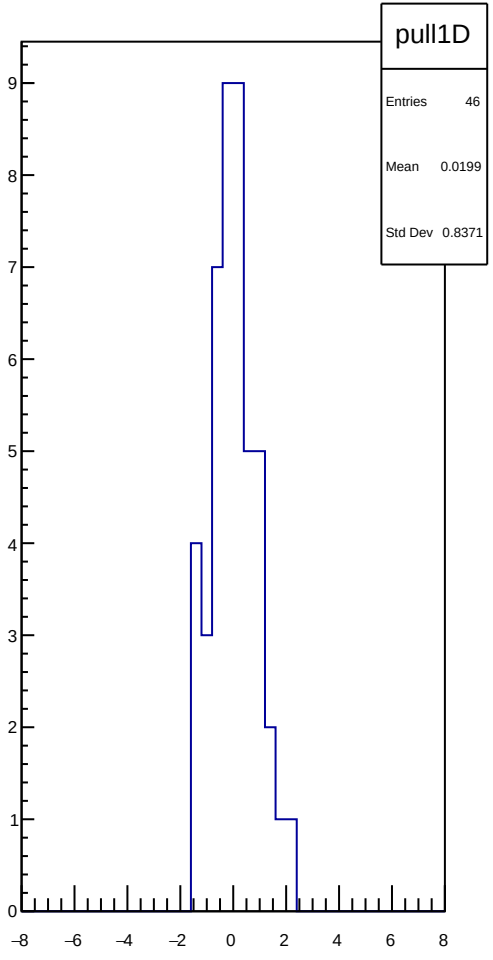

asym_atr1_correction_rms vs run
χ² / ndf 5598 / 45
p0 1293 ± 1.397
1500
1400
1300
1200
1100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

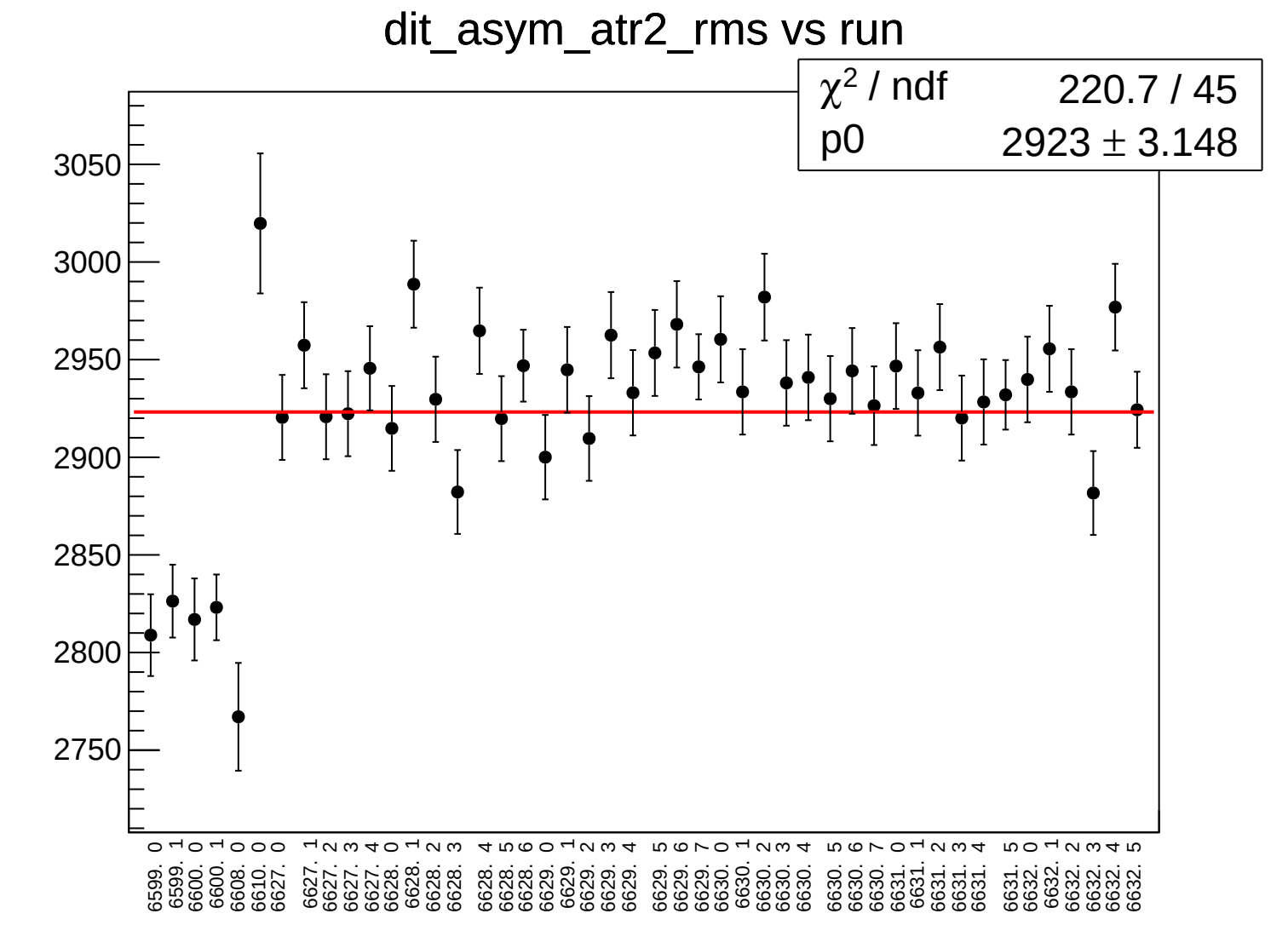

asym_atr1_mean vs run
×10^3
χ² / ndf 41.72 / 45
p0 683.5 ± 4668
pull
Entries 46
Mean −5.352
Std Dev 56.3

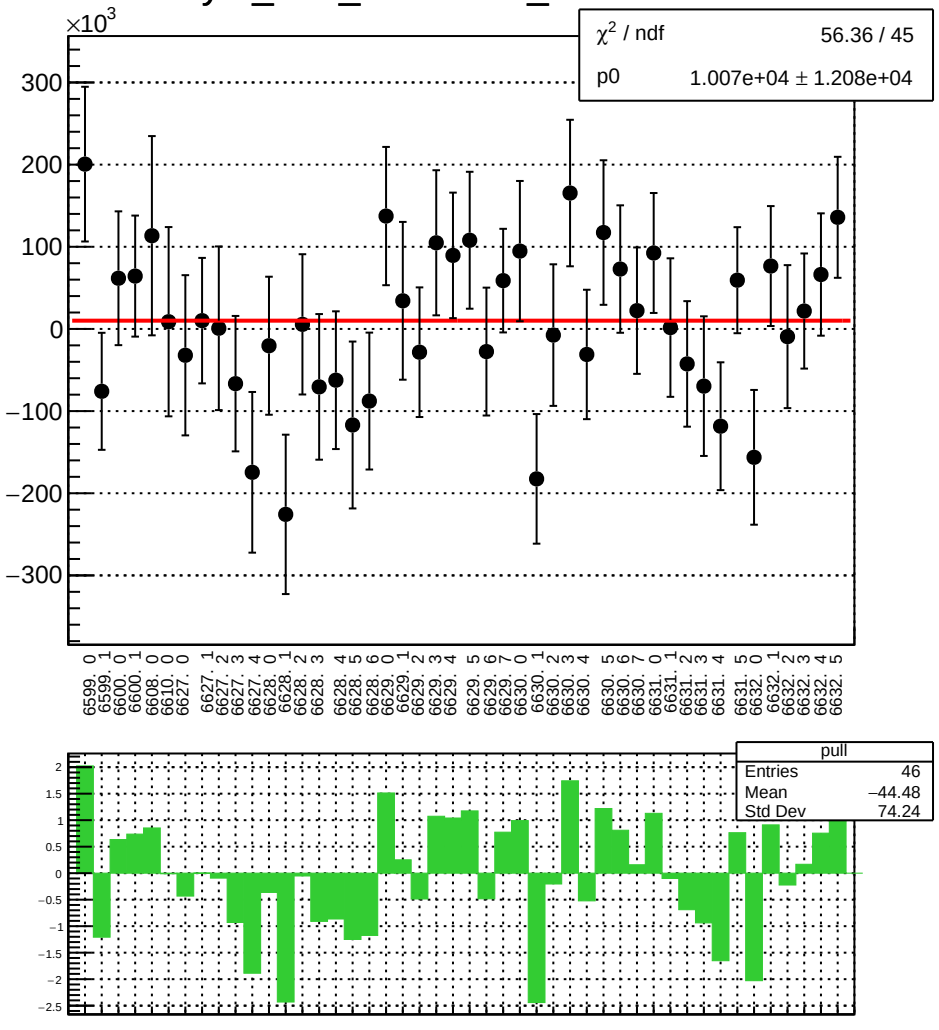

pull1D
Entries 46
Mean −0.005126
Std Dev 0.9523

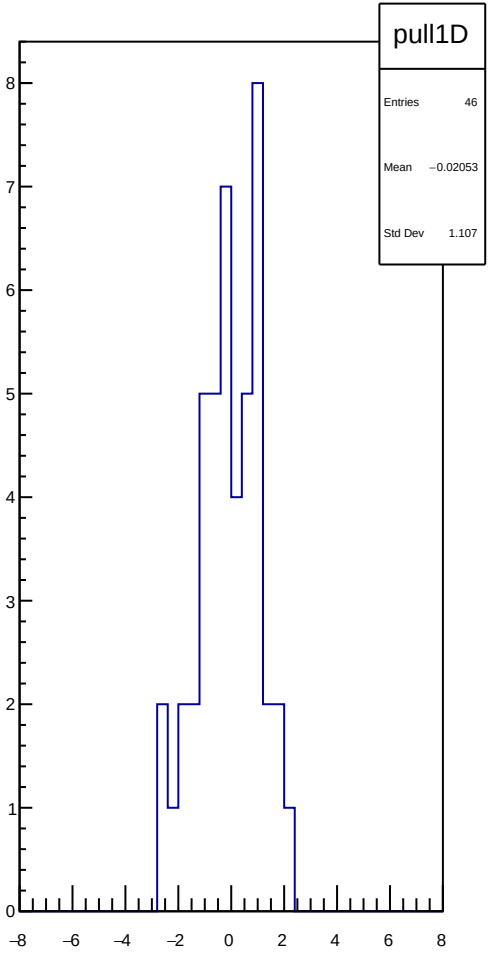

asym_atr1_rms vs run
χ² / ndf 335.2 / 45
p0 3064 ± 3.301
3250
3200
3150
3100
3050
3000
2950
2900
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

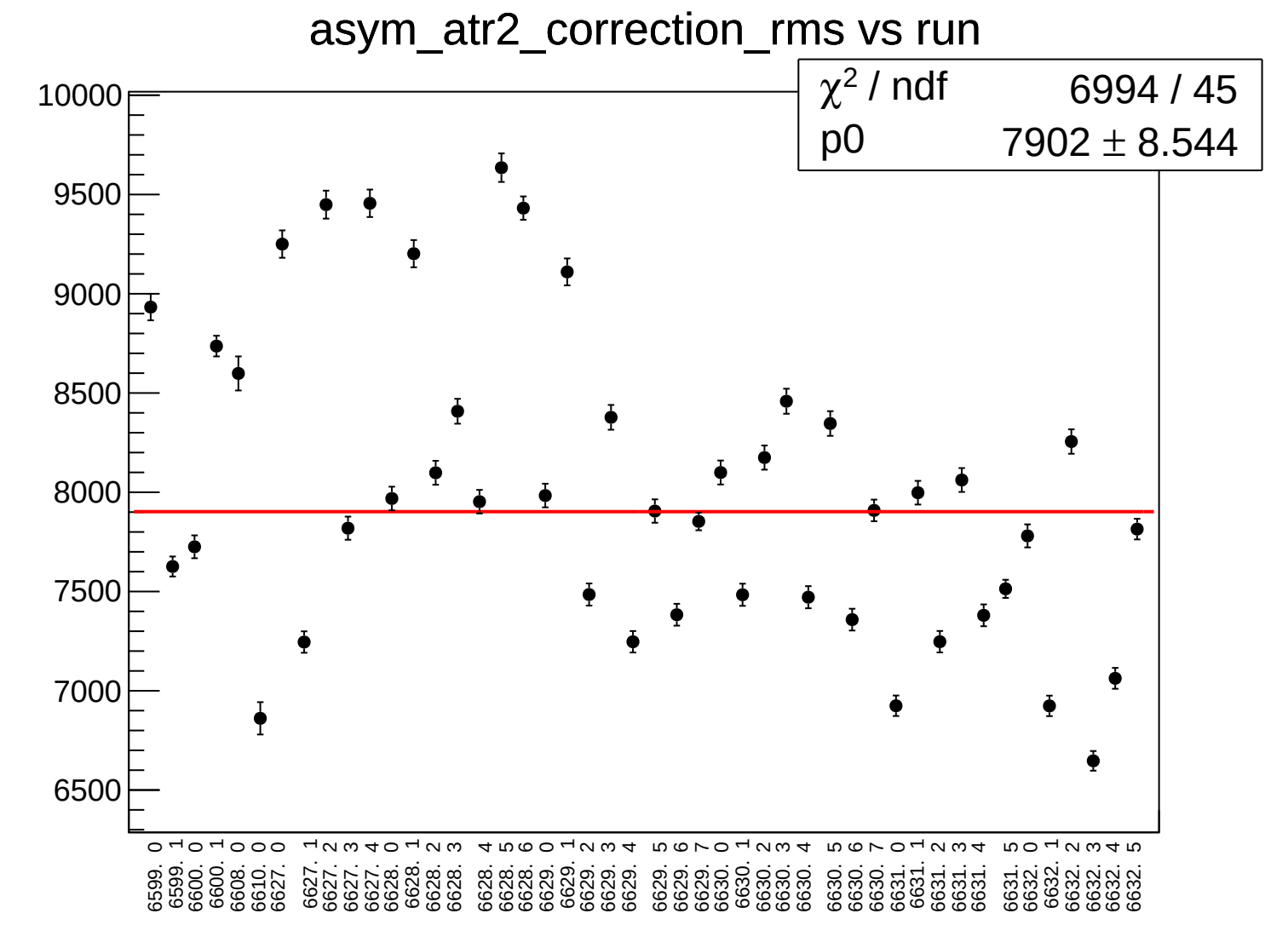

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 32.26 / 45
p0 4768 ± 4452
100
80
60
40
20
0
−20
−40
−60
−80
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 13.27
Std Dev 20.43
2
1.5
1
0.5
0
−0.5
−1
−1.5

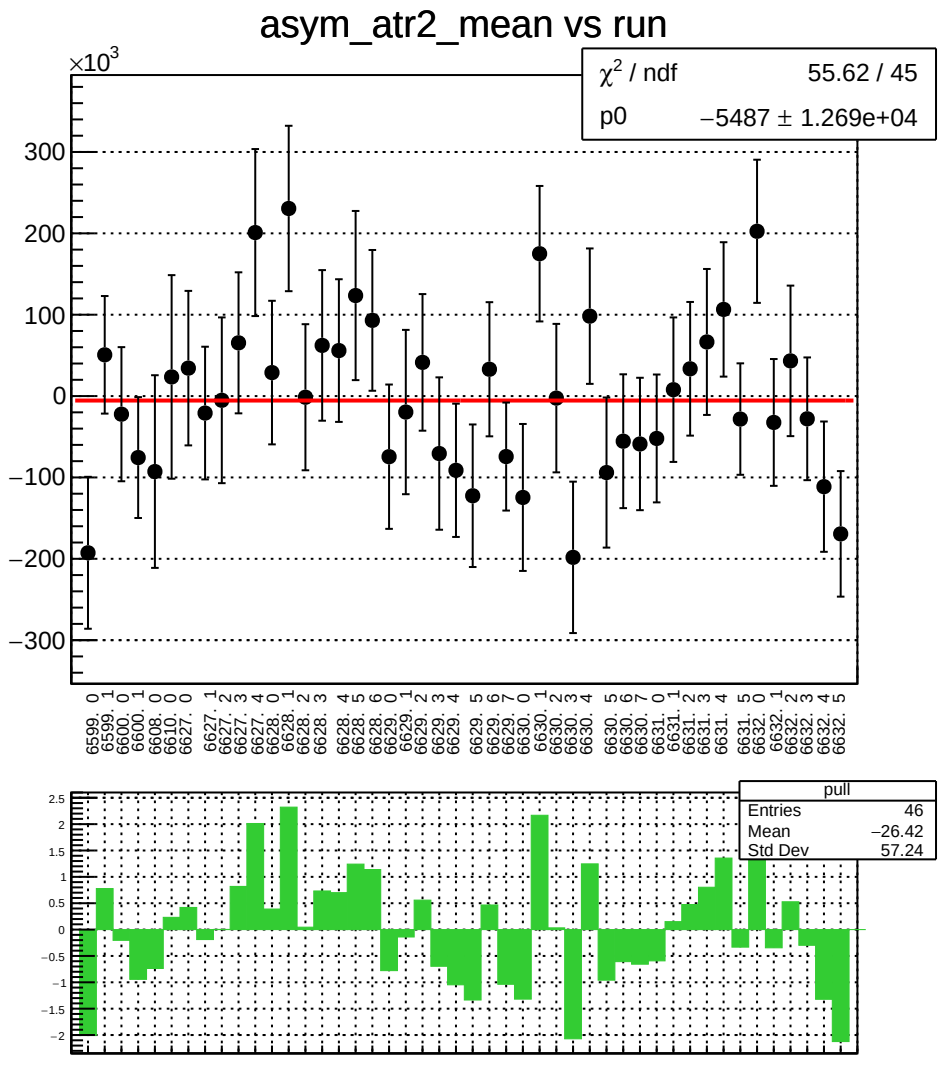

pull1D
Entries 46
Mean 0.0199
Std Dev 0.8371
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

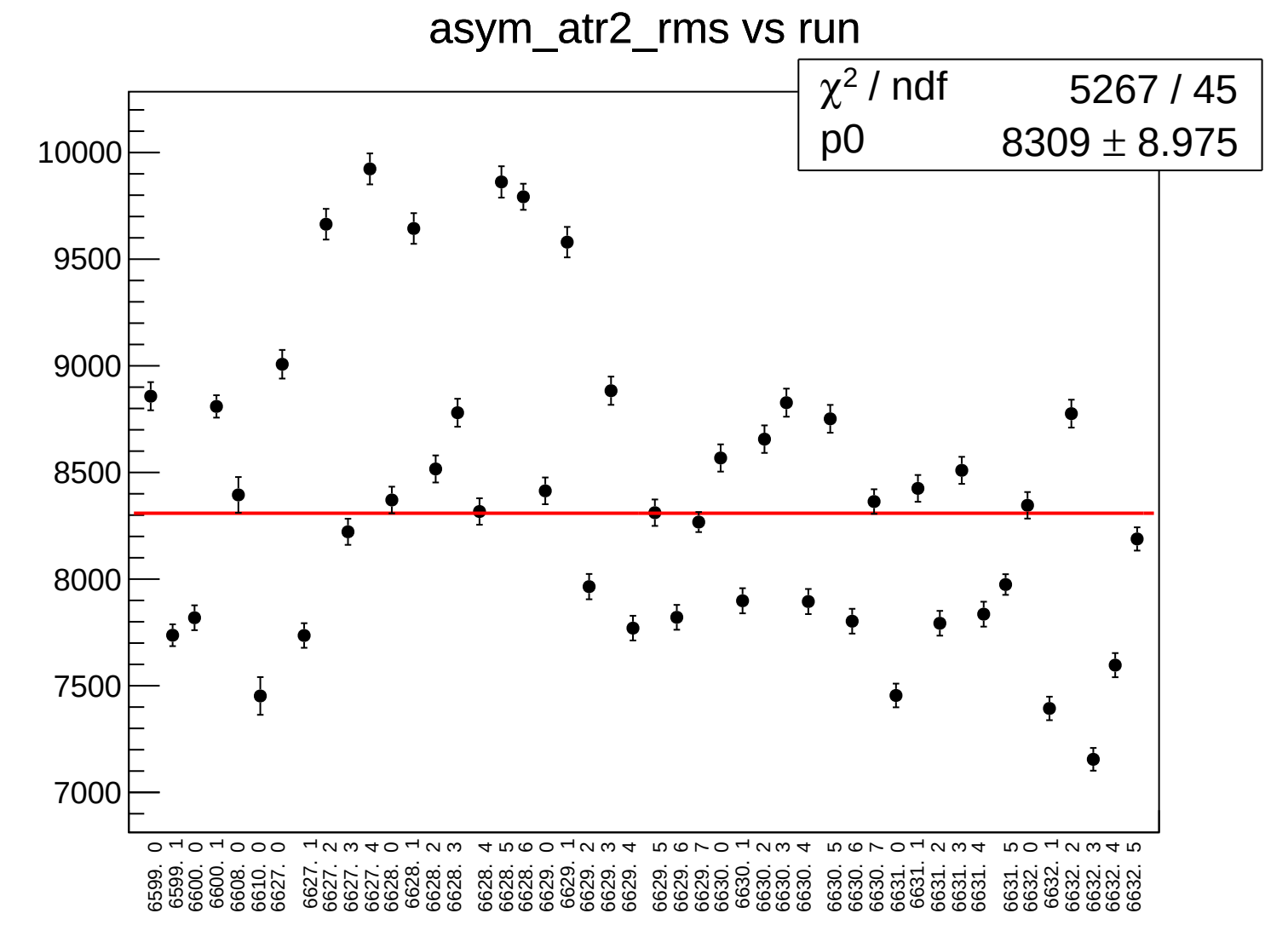

dit_asym_atr2_rms vs run
χ² / ndf 220.7 / 45
p0 2923 ± 3.148
3050
3000
2950
2900
2850
2800
2750
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

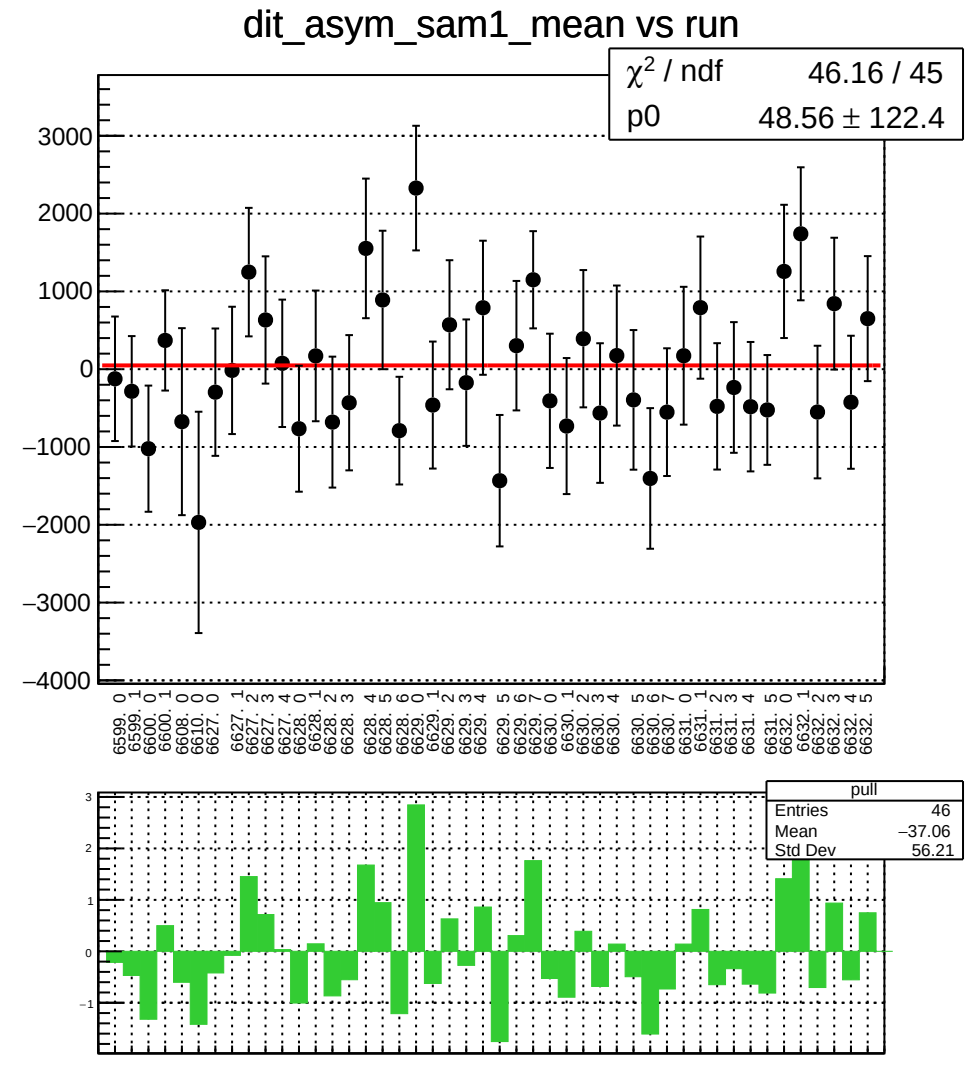

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 56.36 / 45
p0 1.007e+04 ± 1.208e+04
pull
Entries 46
Mean −44.48
Std Dev 74.24

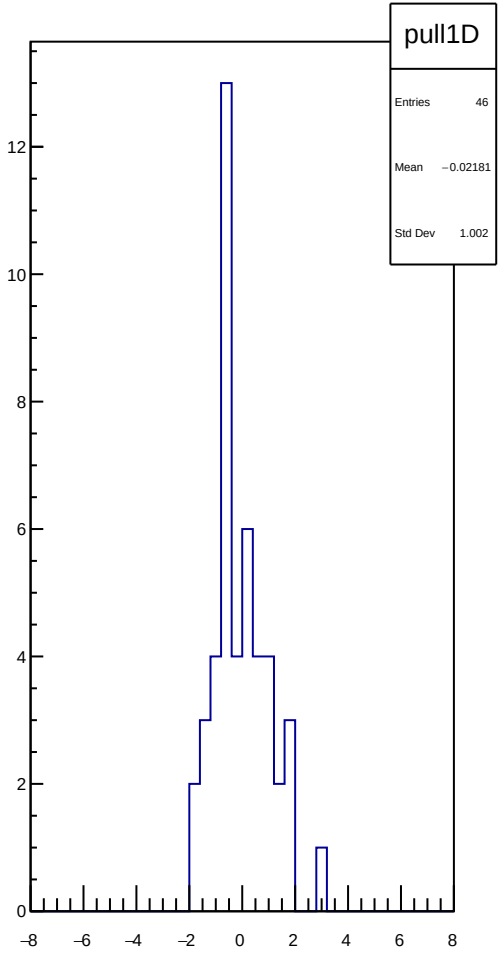

pull1D
Entries 46
Mean −0.02053
Std Dev 1.107

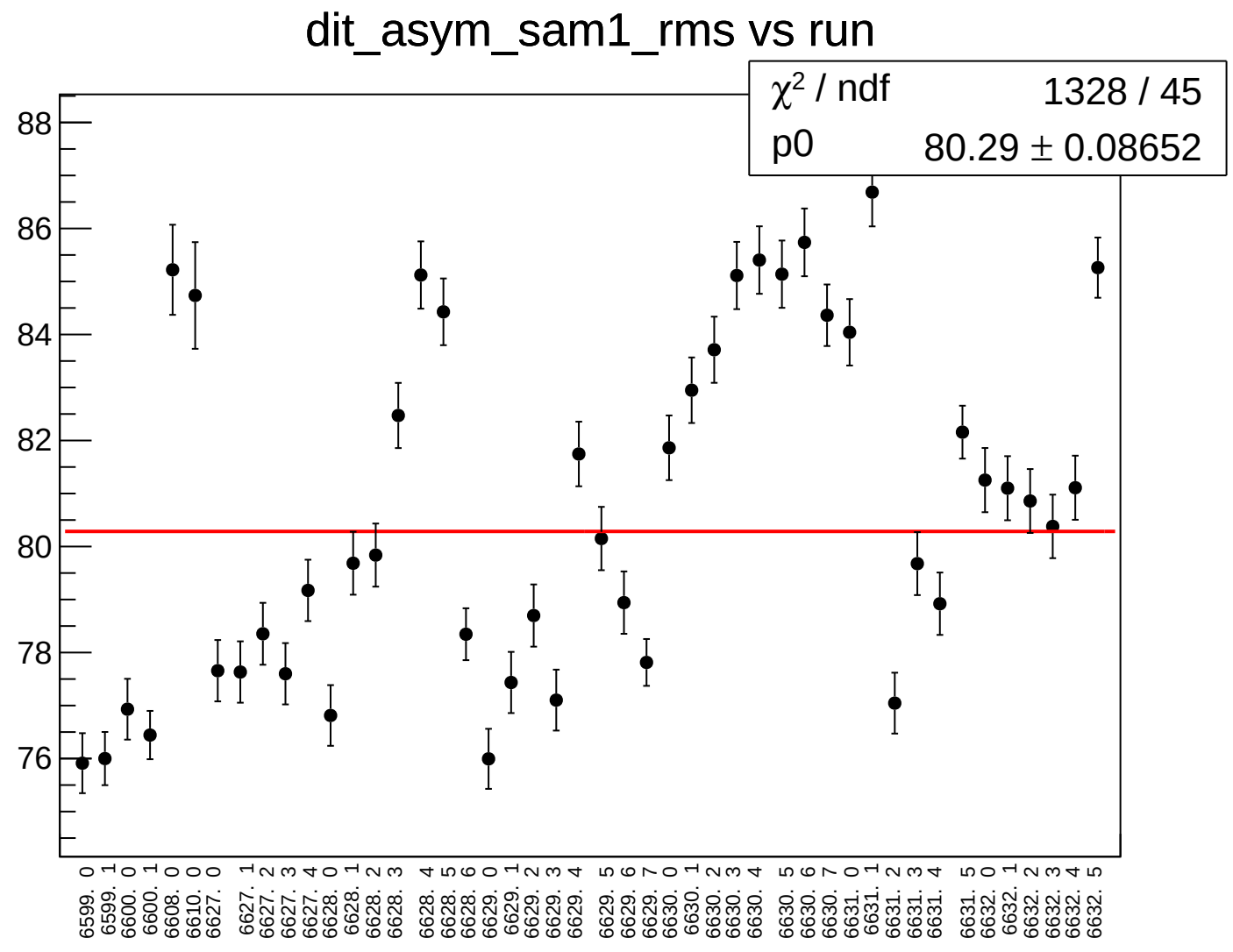

asym_atr2_correction_rms vs run
χ² / ndf 6994 / 45
p0 7902 ± 8.544
10000
9500
9000
8500
8000
7500
7000
6500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

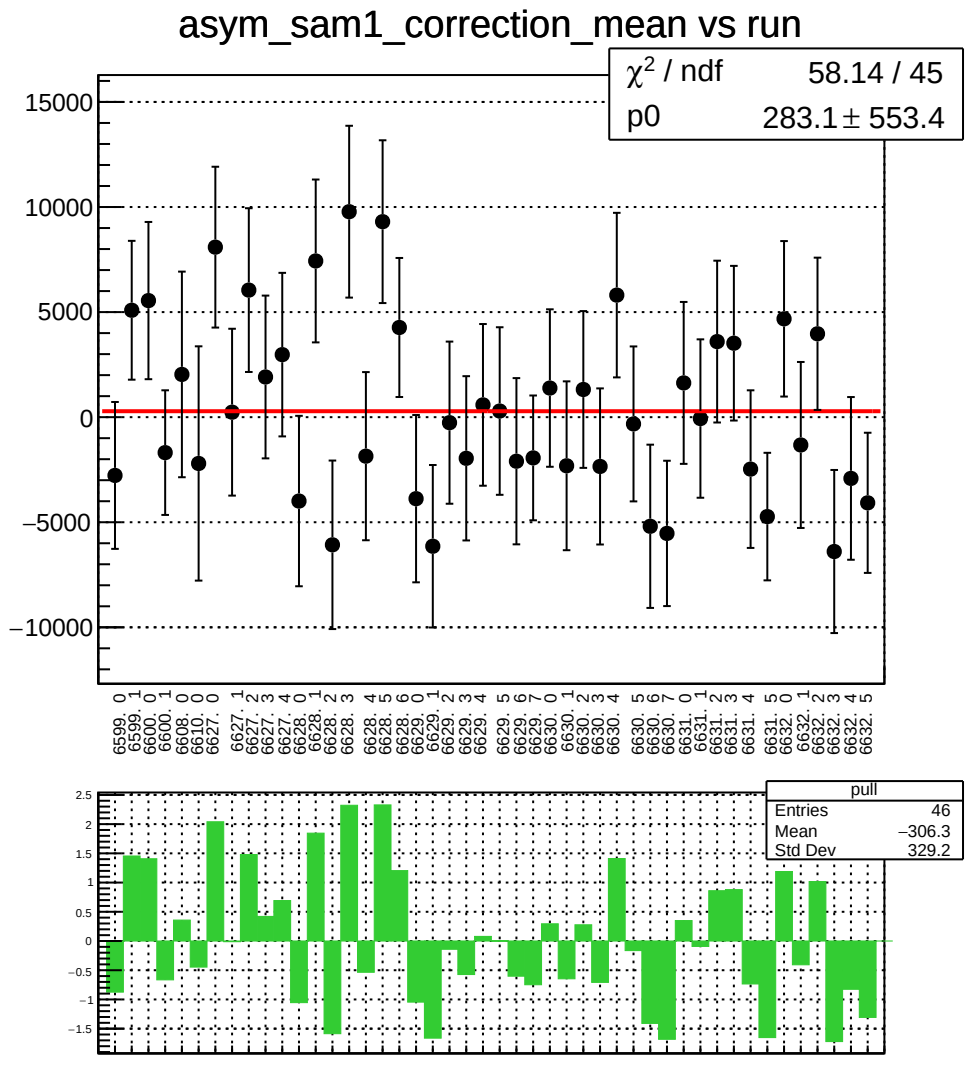

asym_atr2_mean vs run
×10^3
χ² / ndf 55.62 / 45
p0 −5487 ± 1.269e+04
300
200
100
0
−100
−200
−300
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −26.42
Std Dev 57.24
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.02693
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

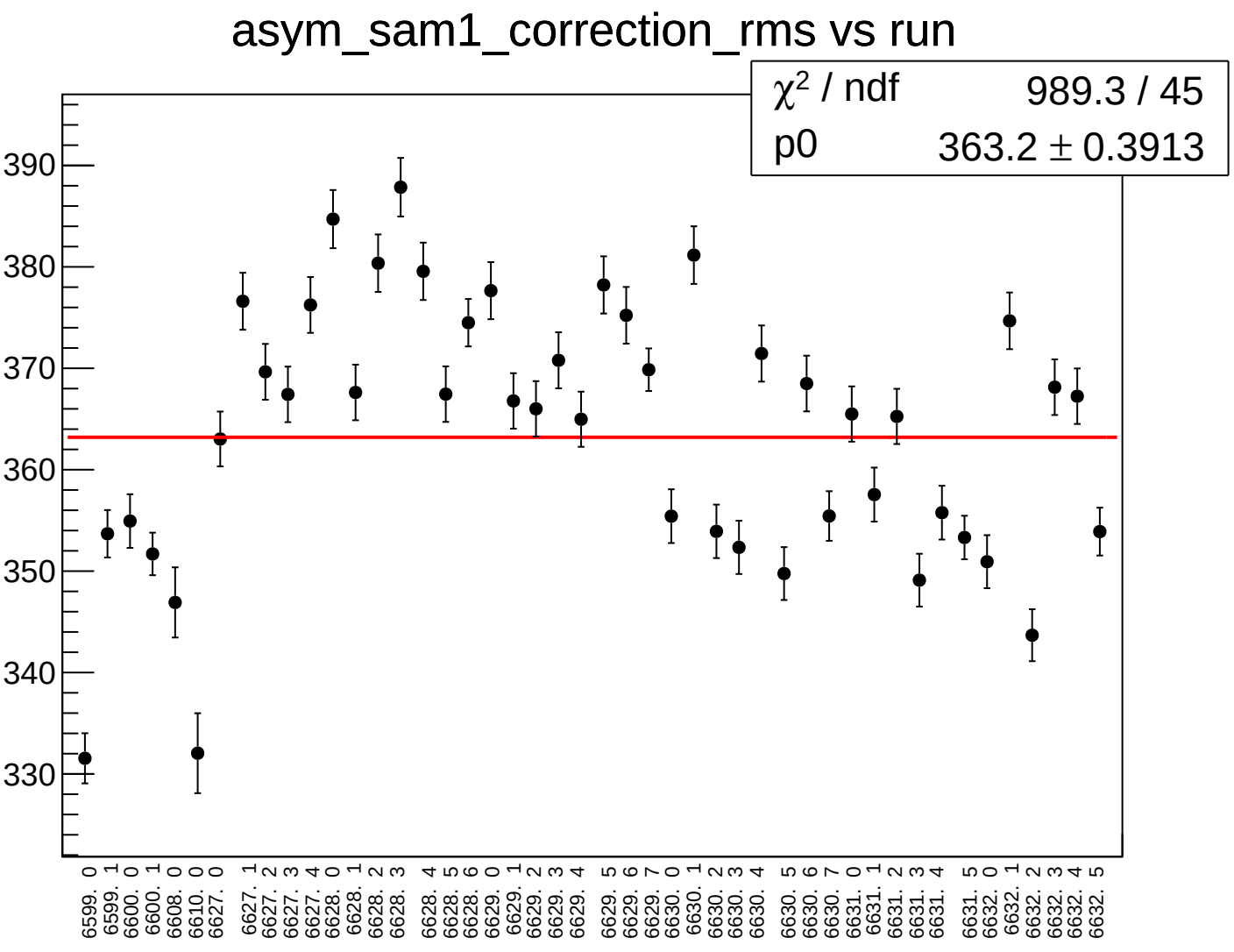

asym_atr2_rms vs run
χ^2 / ndf 5267 / 45
p0 8309 ± 8.975
10000
9500
9000
8500
8000
7500
7000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

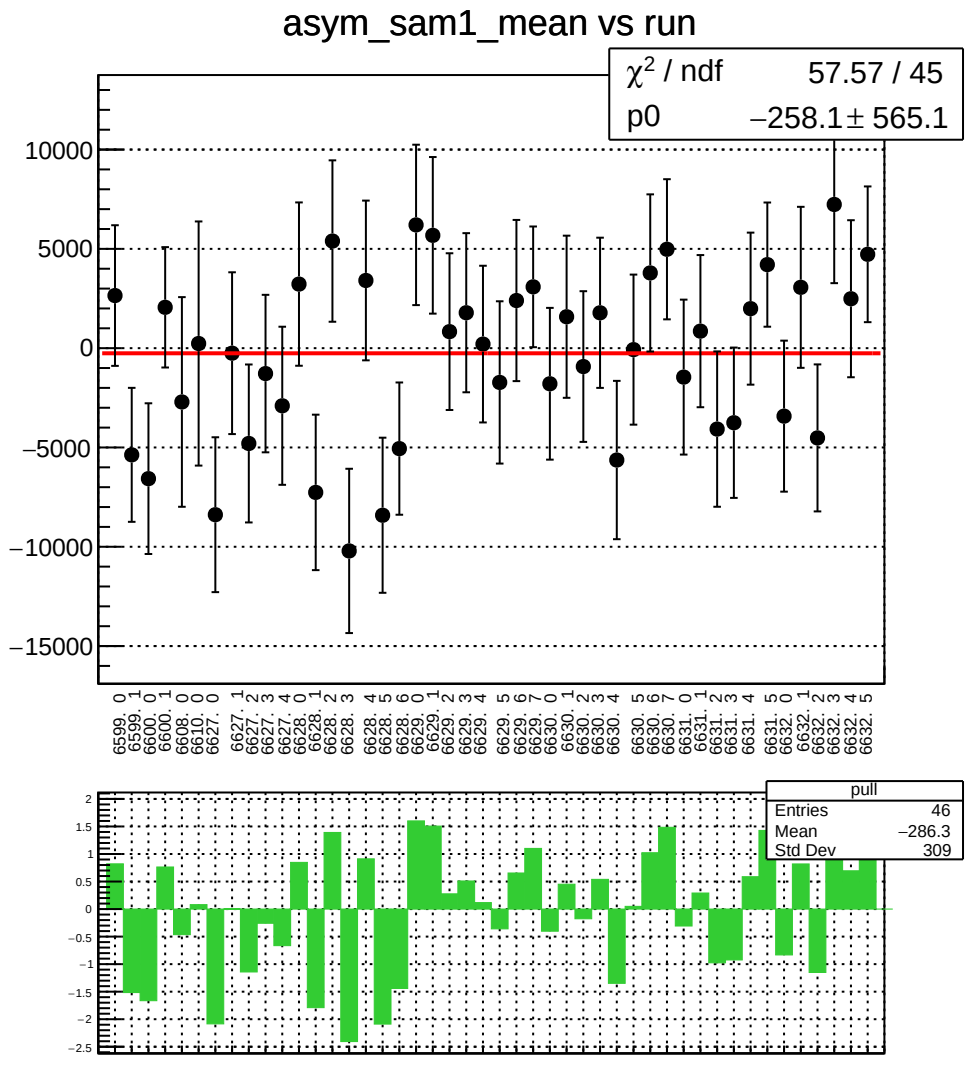

dit_asym_sam1_mean vs run
χ² / ndf 46.16 / 45
p0 48.56 ± 122.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −37.06
Std Dev 56.21
3
2
1
0
−1

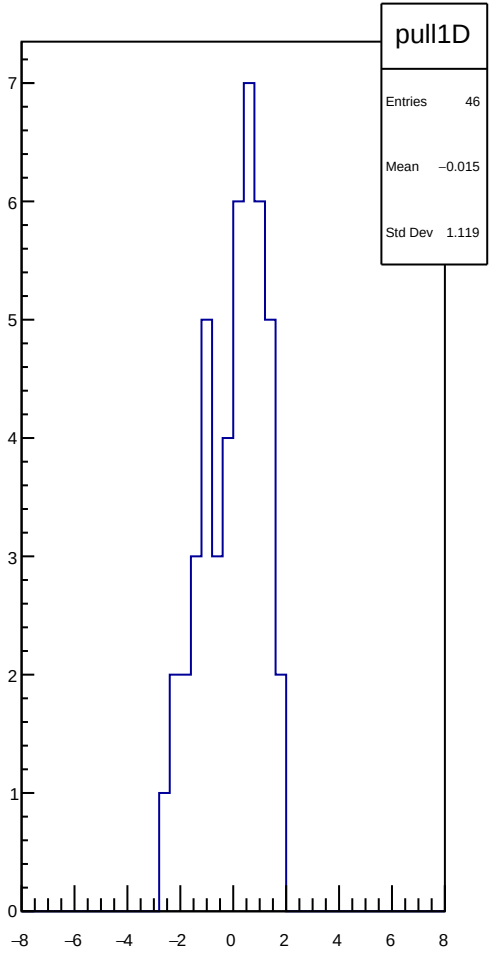

pull1D
Entries 46
Mean −0.02181
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

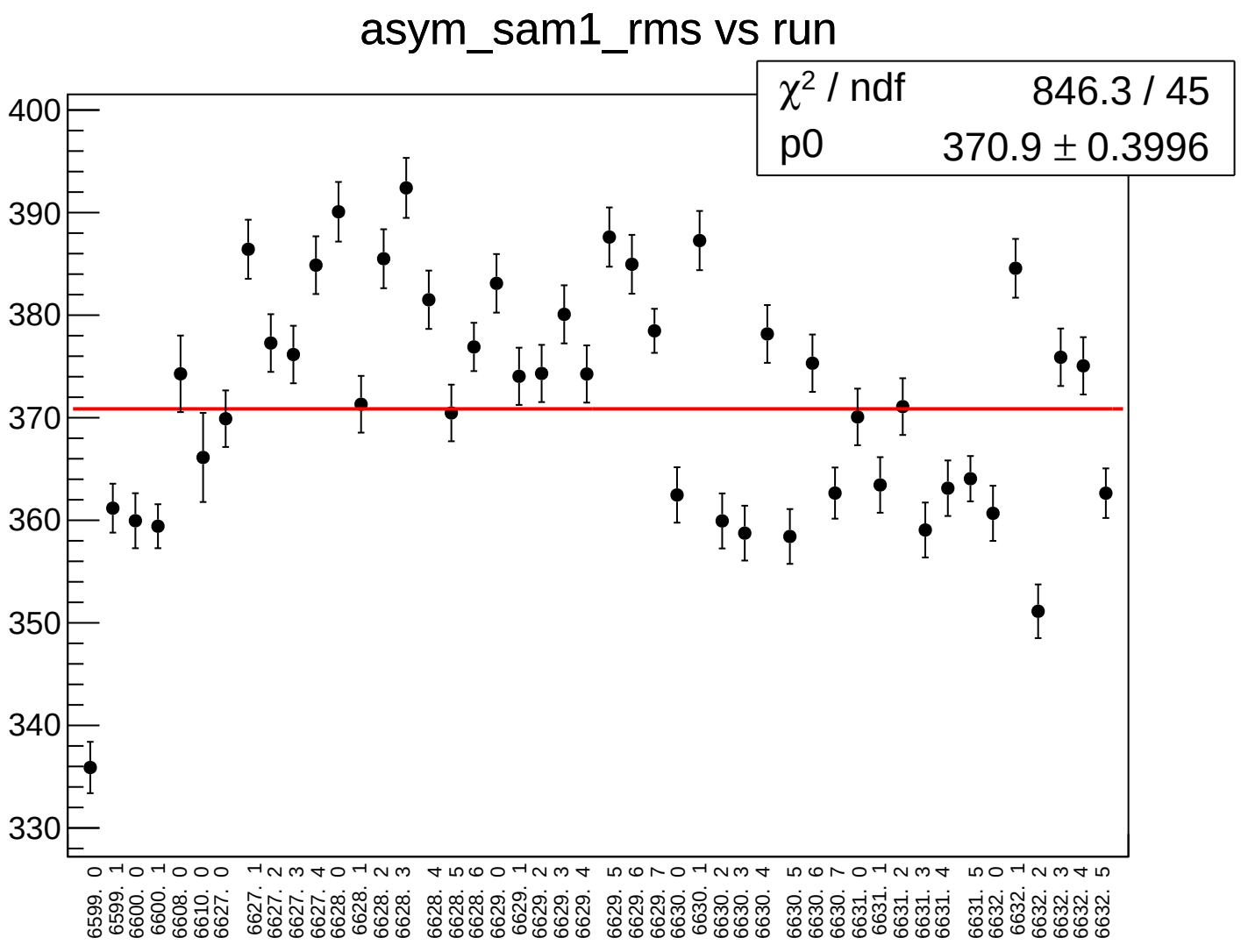

dit_asym_sam1_rms vs run
χ² / ndf 1328 / 45
p0 80.29 ± 0.08652
88
86
84
82
80
78
76
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

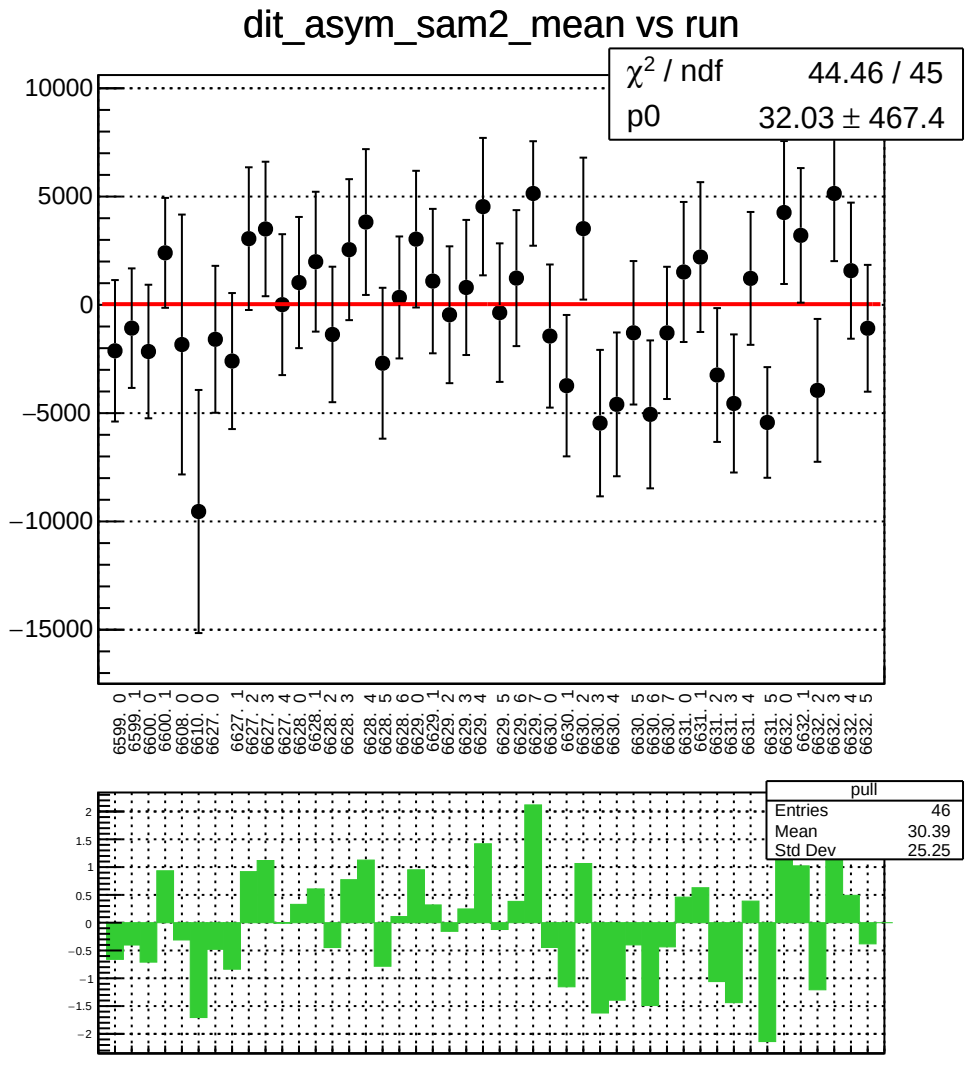

asym_sam1_correction_mean vs run
χ² / ndf 58.14 / 45
p0 283.1 ± 553.4
15000
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −306.3
Std Dev 329.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.01346
Std Dev 1.124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

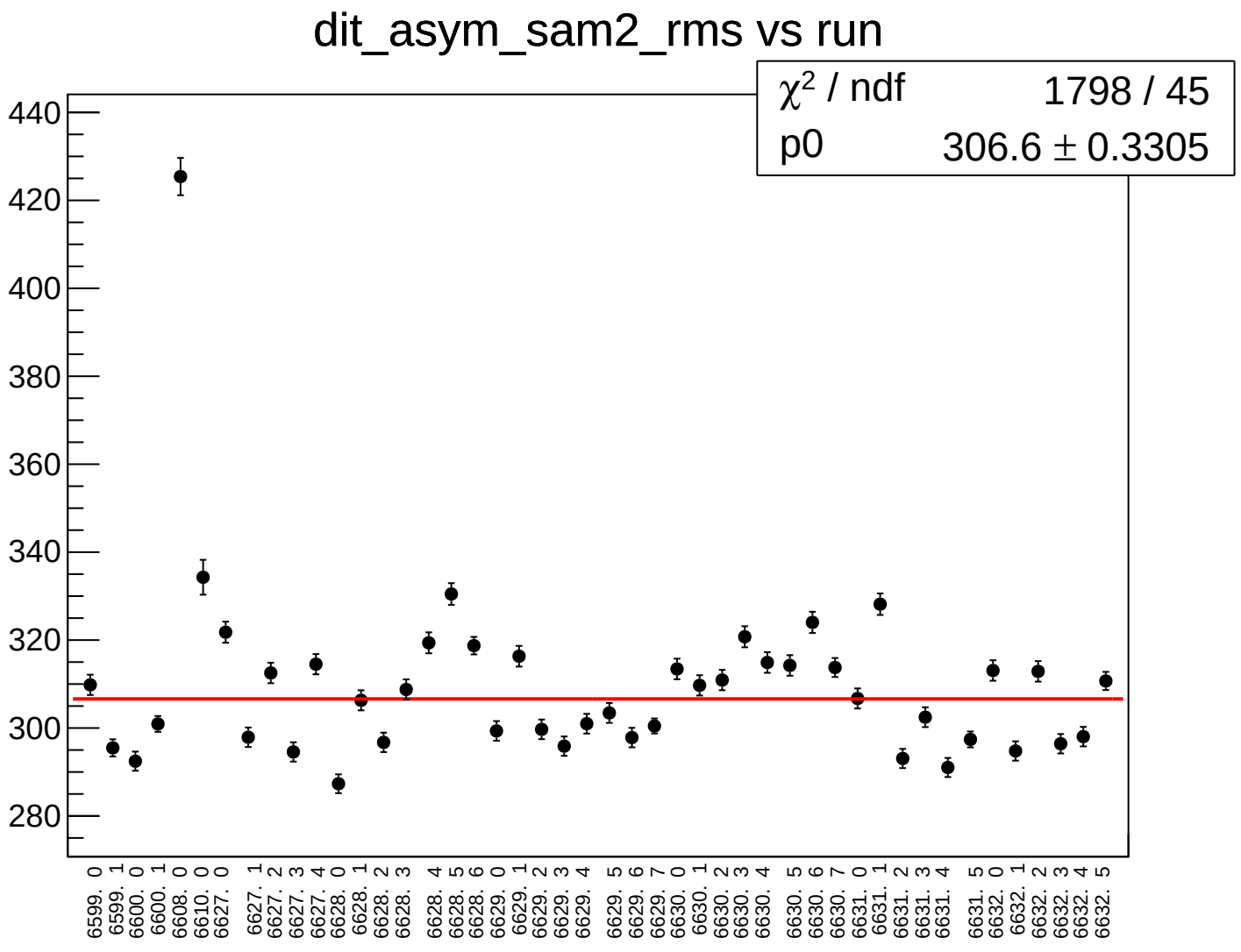

asym_sam1_correction_rms vs run
χ^2 / ndf 989.3 / 45
p0 363.2 ± 0.3913
390
380
370
360
350
340
330
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

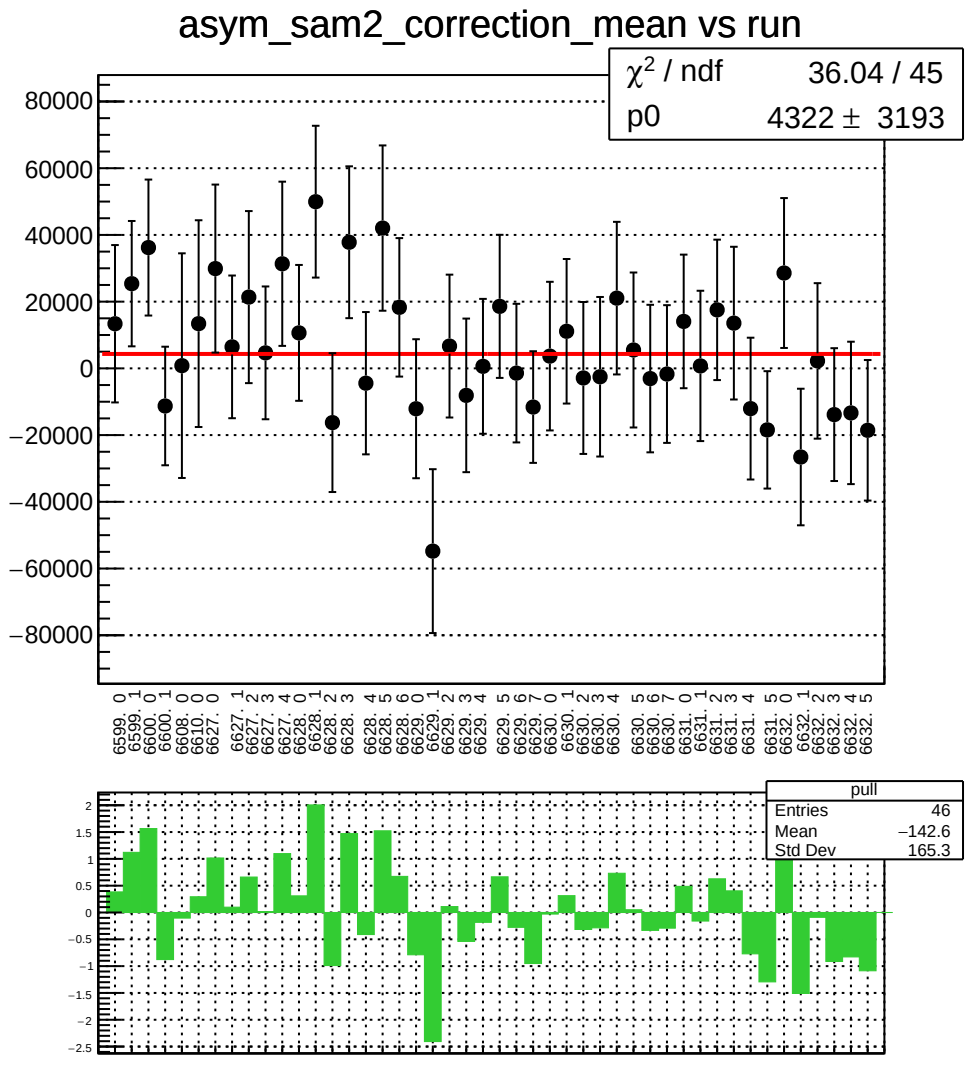

asym_sam1_mean vs run
χ² / ndf 57.57 / 45
p0 −258.1 ± 565.1
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −286.3
Std Dev 309
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

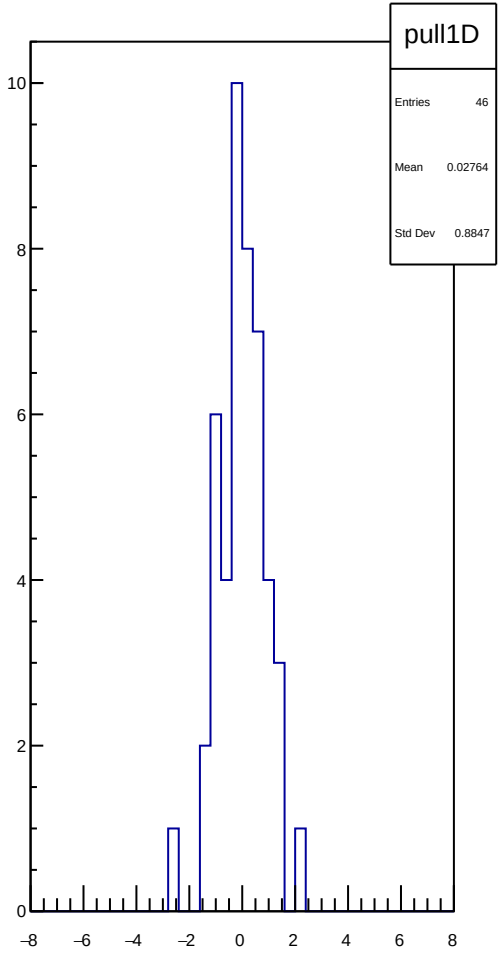

pull1D
Entries 46
Mean −0.015
Std Dev 1.119
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

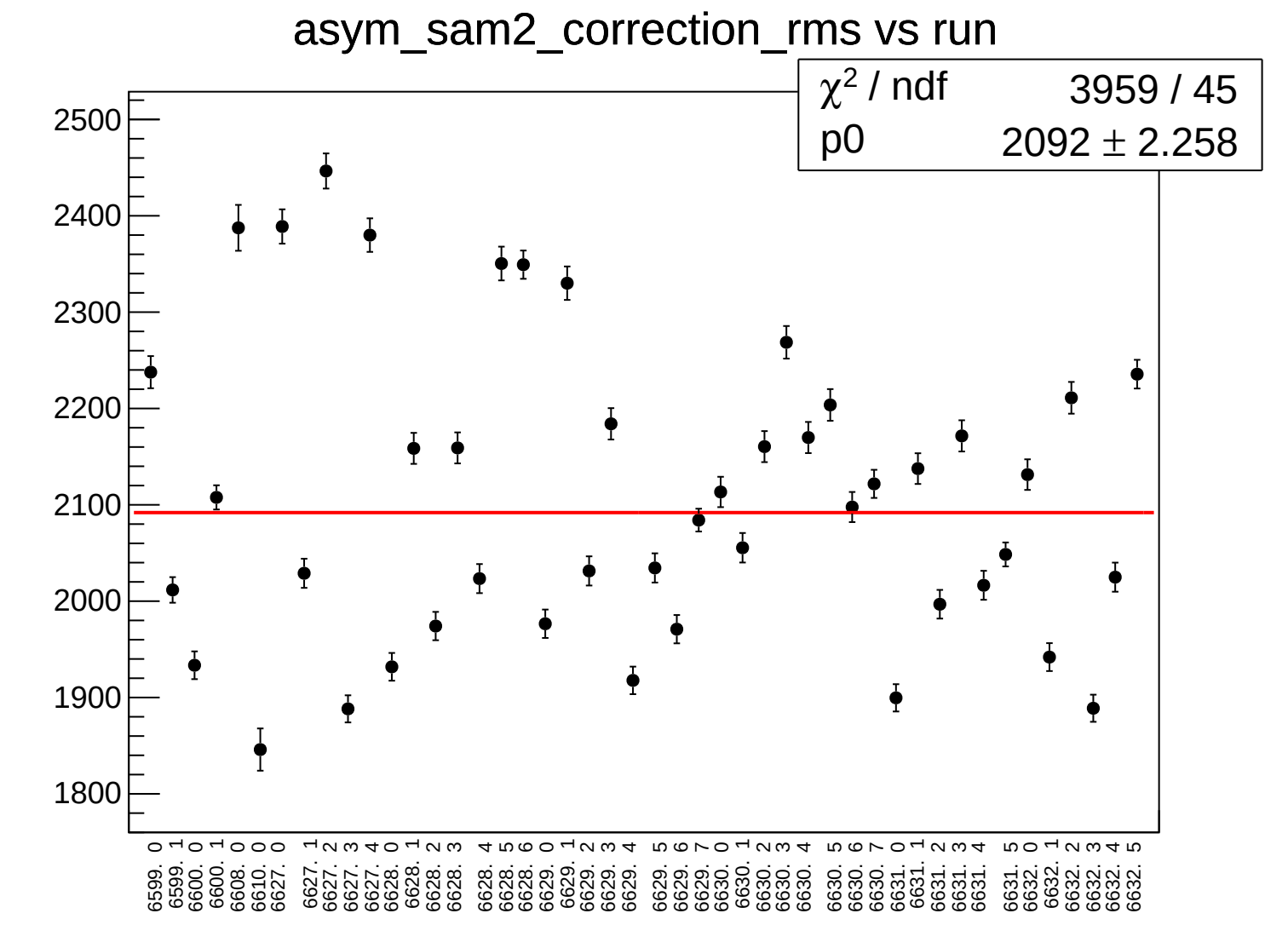

asym_sam1_rms vs run
χ² / ndf 846.3 / 45
p0 370.9 ± 0.3996
400
390
380
370
360
350
340
330
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

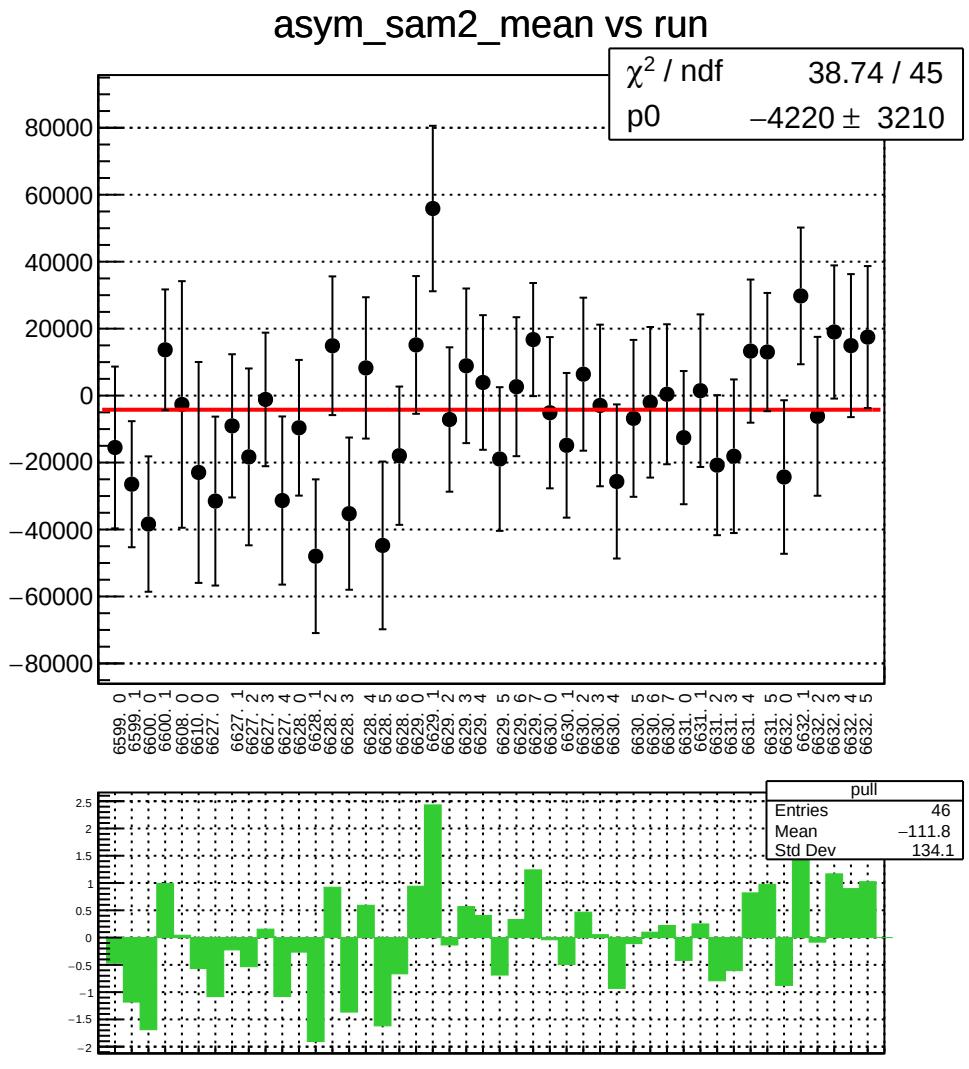

dit_asym_sam2_mean vs run
χ² / ndf 44.46 / 45
p0 32.03 ± 467.4
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 30.39
Std Dev 25.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.03153
Std Dev 0.9826
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

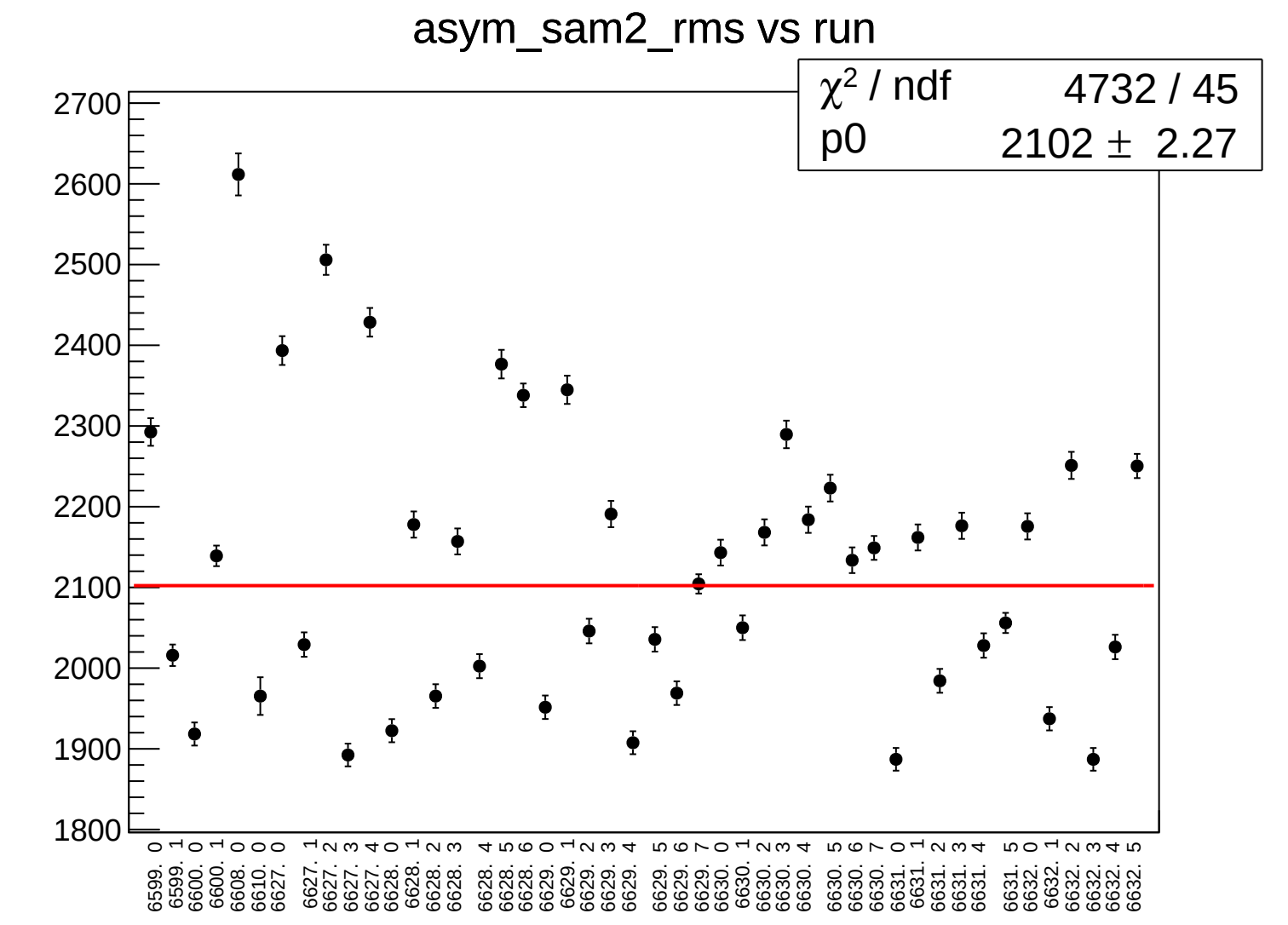

dit_asym_sam2_rms vs run
χ^2 / ndf 1798 / 45
p0 306.6 ± 0.3305
440
420
400
380
360
340
320
300
280
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

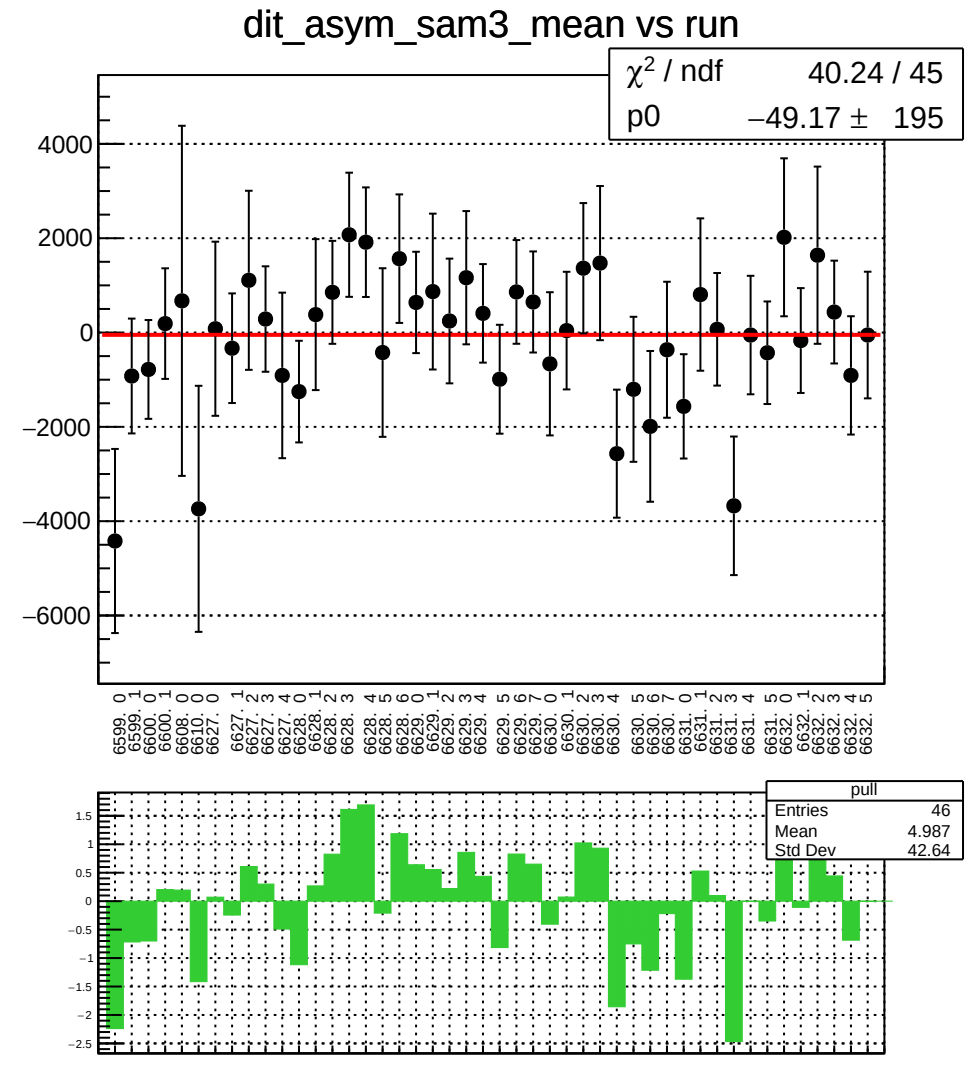

asym_sam2_correction_mean vs run
χ² / ndf 36.04 / 45
p0 4322 ± 3193
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −142.6
Std Dev 165.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

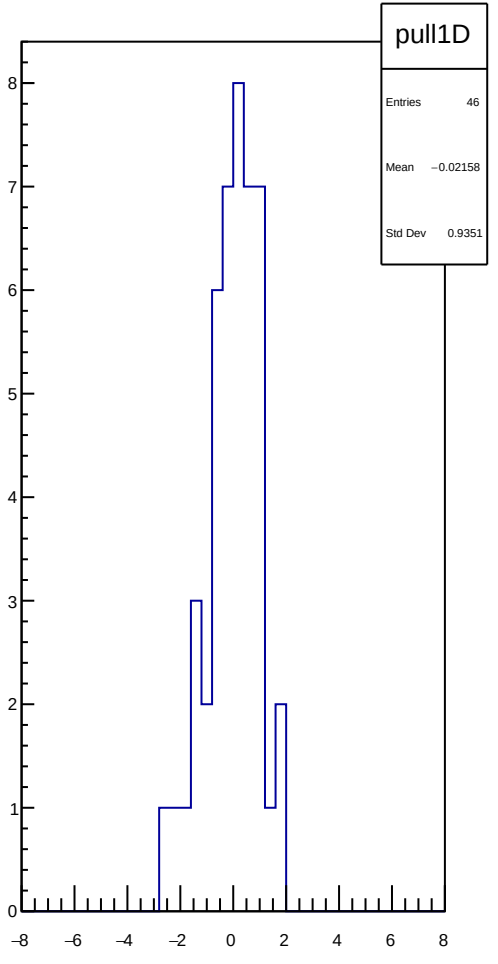

pull1D
Entries 46
Mean 0.02764
Std Dev 0.8847
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

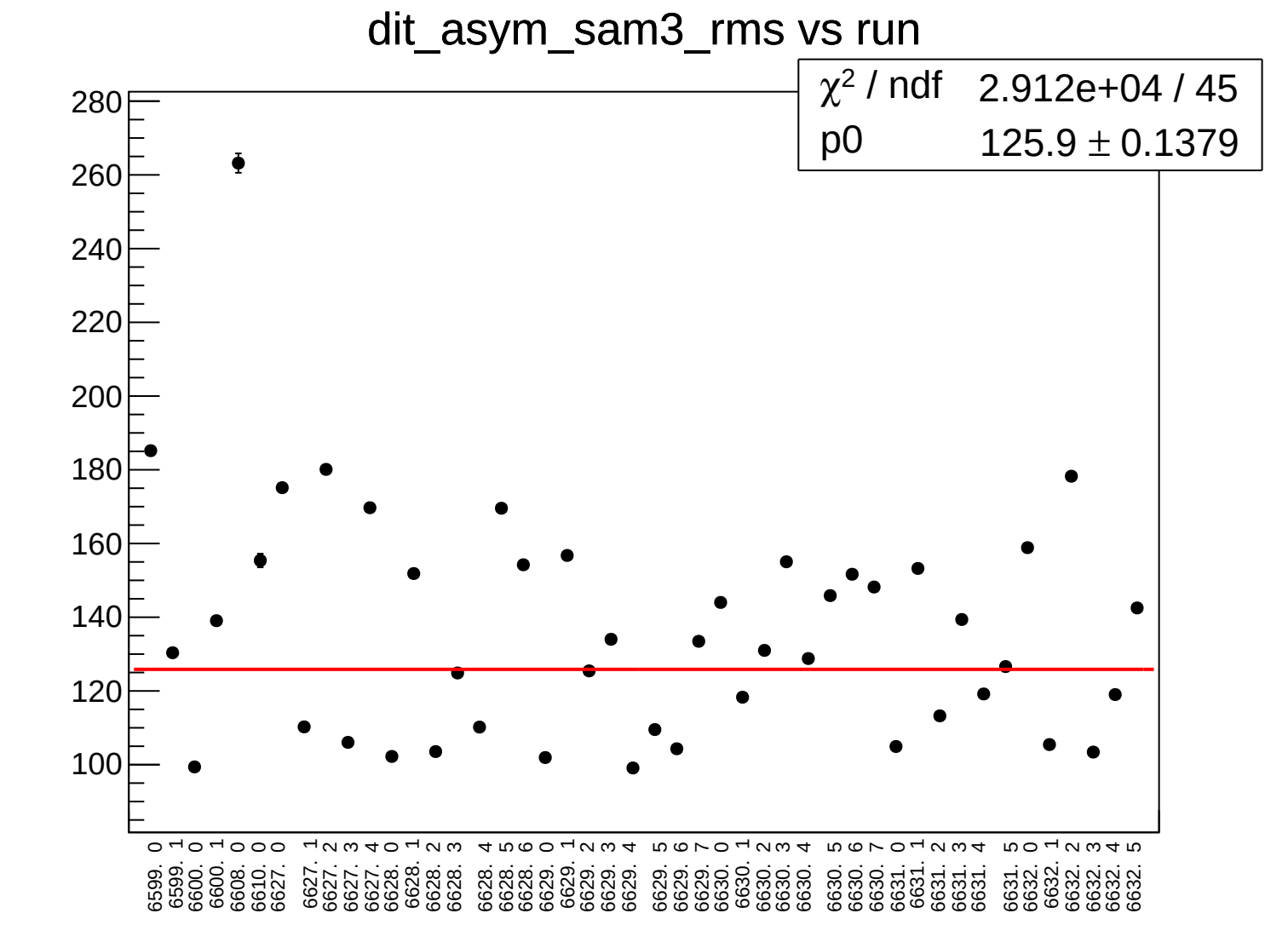

asym_sam2_correction_rms vs run
χ² / ndf 3959 / 45
p0 2092 ± 2.258
2500
2400
2300
2200
2100
2000
1900
1800
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

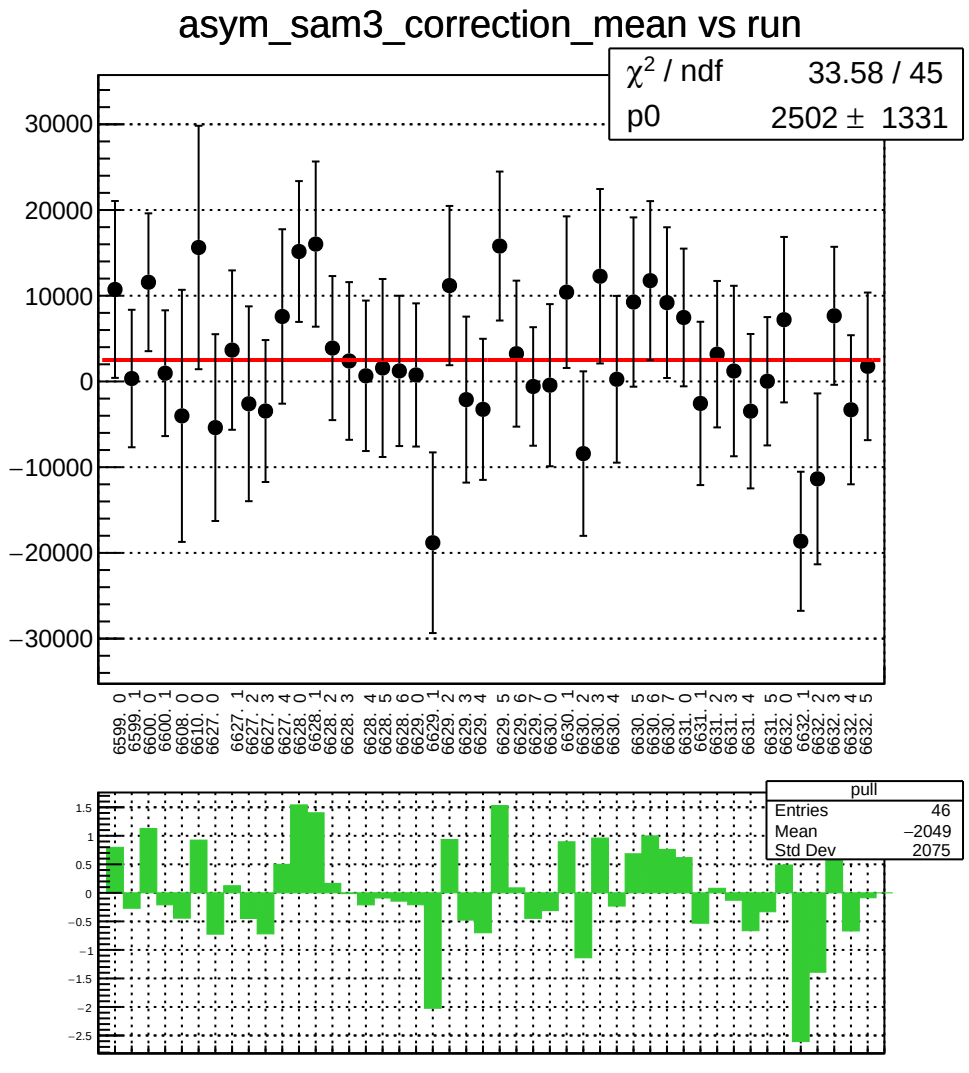

asym_sam2_mean vs run
χ² / ndf 38.74 / 45
p0 −4220 ± 3210
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −111.8
Std Dev 134.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.03386
Std Dev 0.917
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

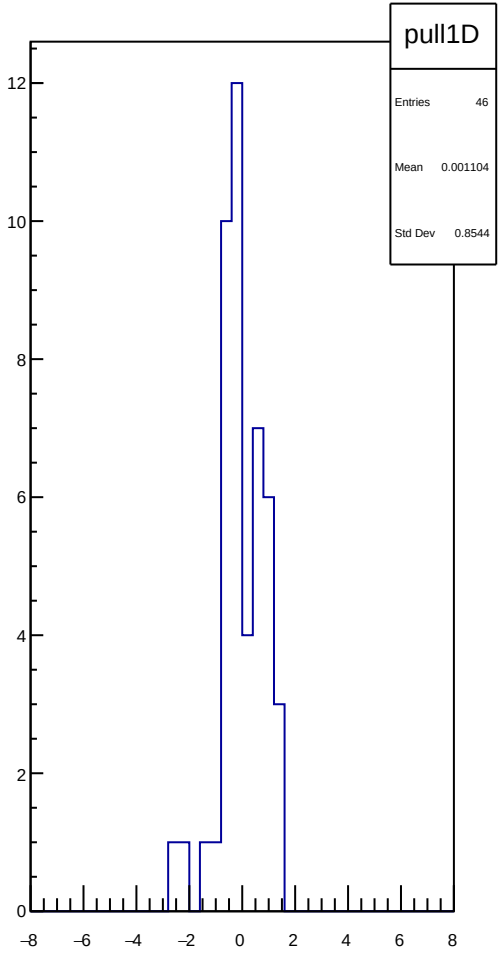

asym_sam2_rms vs run
χ² / ndf 4732 / 45
p0 2102 ± 2.27
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

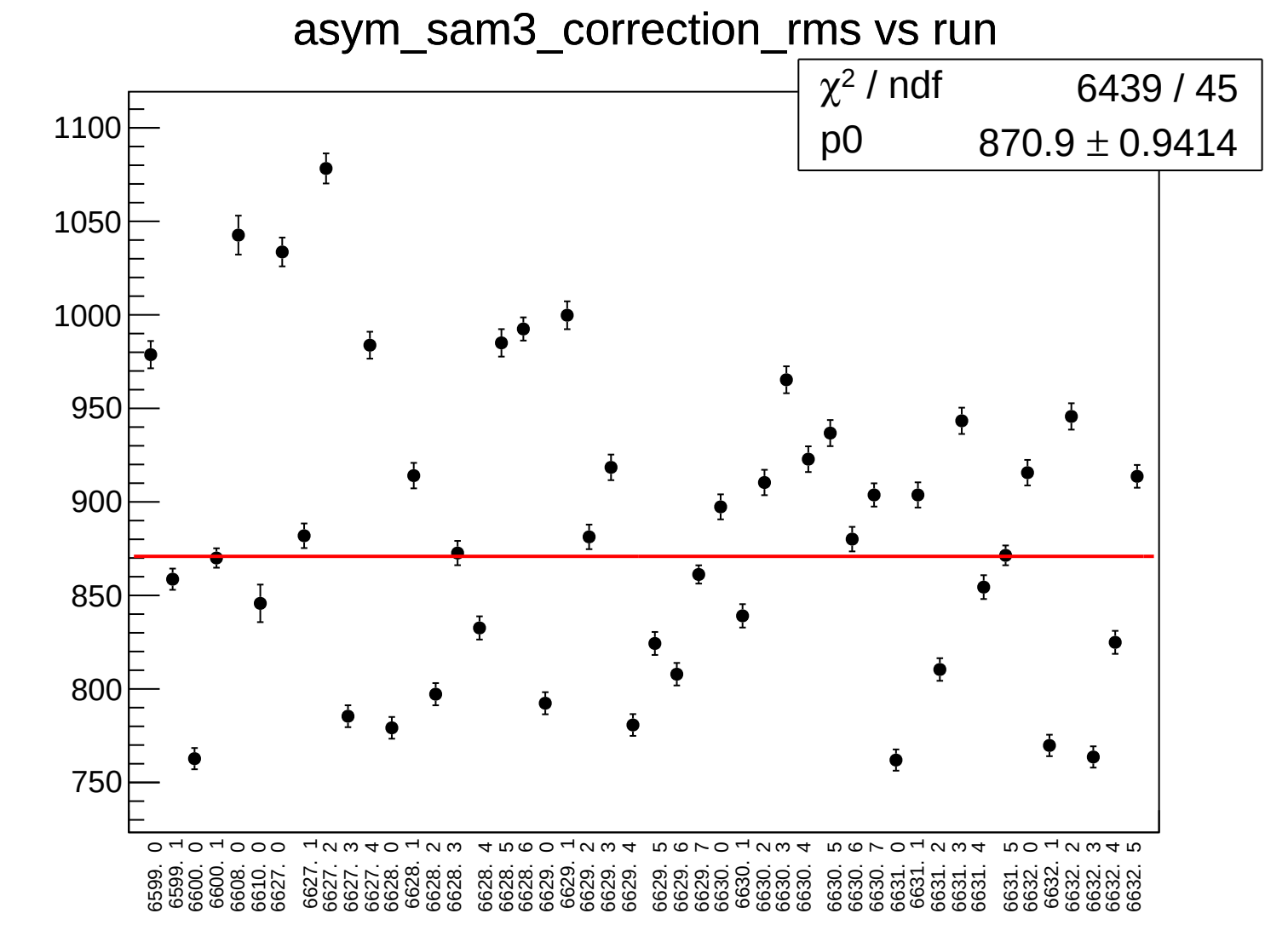

dit_asym_sam3_mean vs run
χ² / ndf 40.24 / 45
p0 −49.17 ± 195
4000
2000
0
−2000
−4000
−6000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 4.987
Std Dev 42.64
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

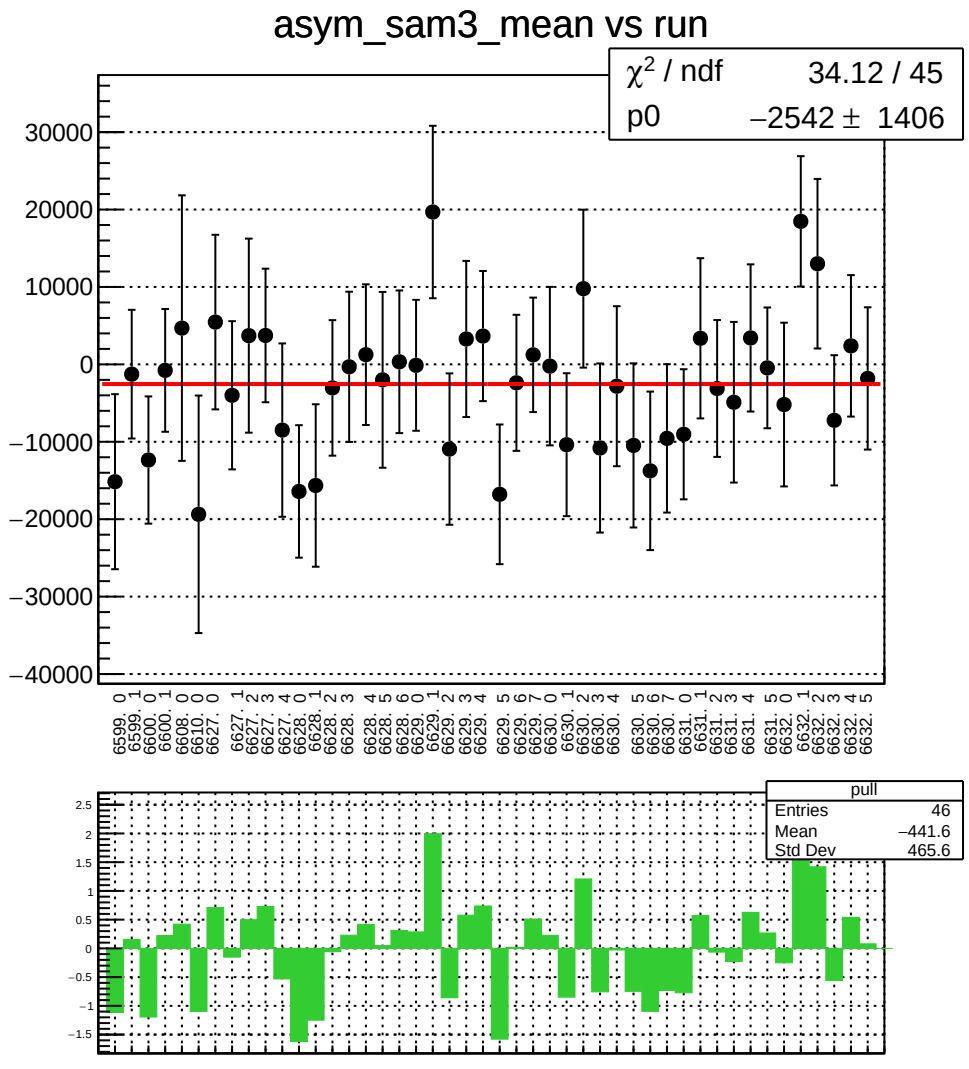

pull1D
Entries 46
Mean −0.02158
Std Dev 0.9351
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

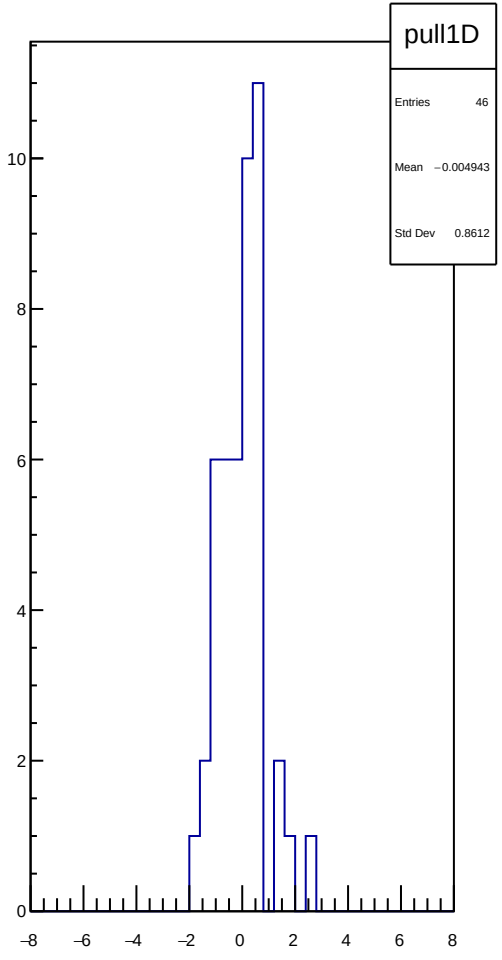

dit_asym_sam3_rms vs run
χ^2 / ndf 2.912e+04 / 45
p0 125.9 ± 0.1379
280
260
240
220
200
180
160
140
120
100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

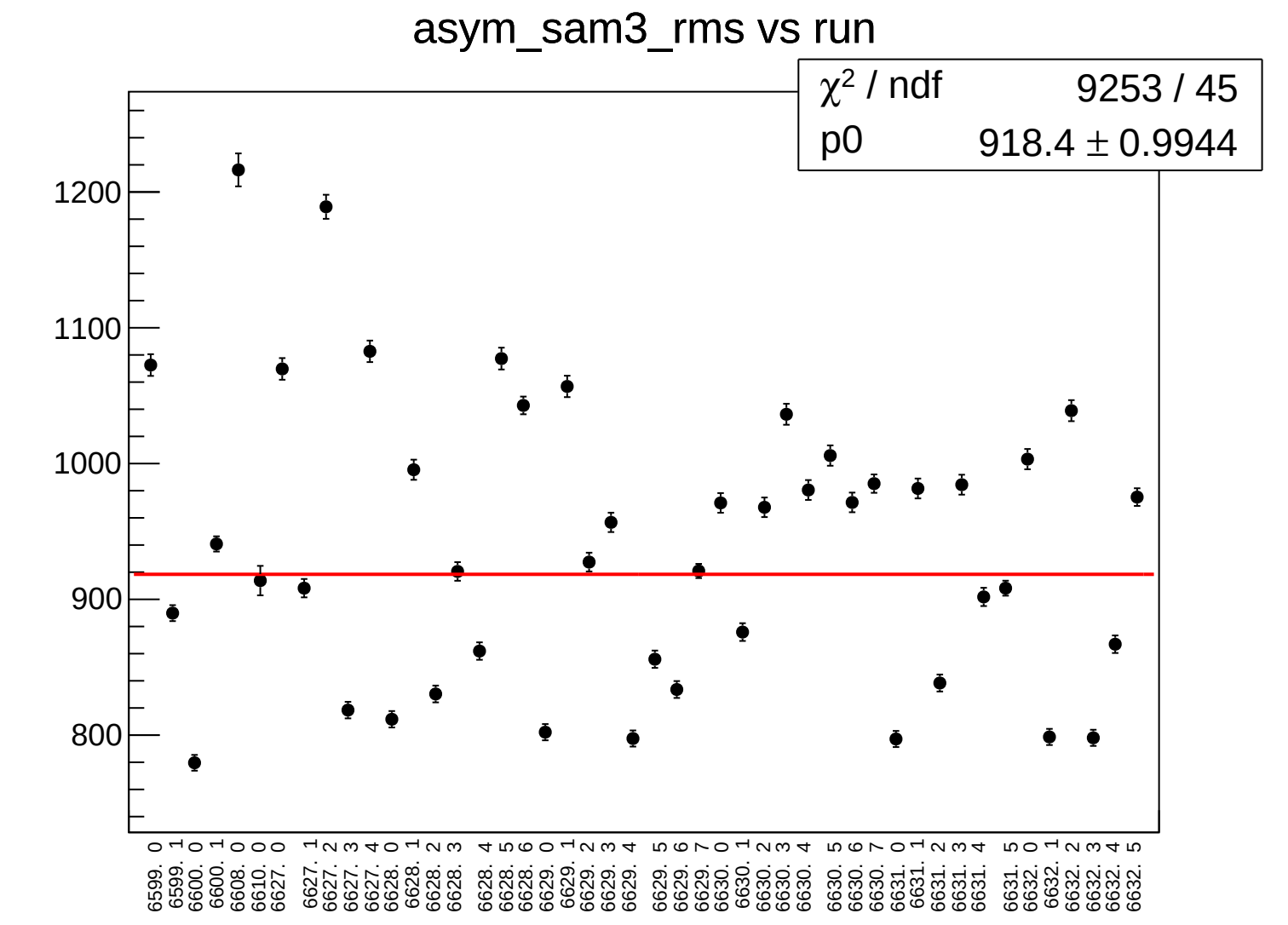

asym_sam3_correction_mean vs run
χ^2 / ndf 33.58 / 45
p0 2502 ± 1331
30000
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −2049
Std Dev 2075
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

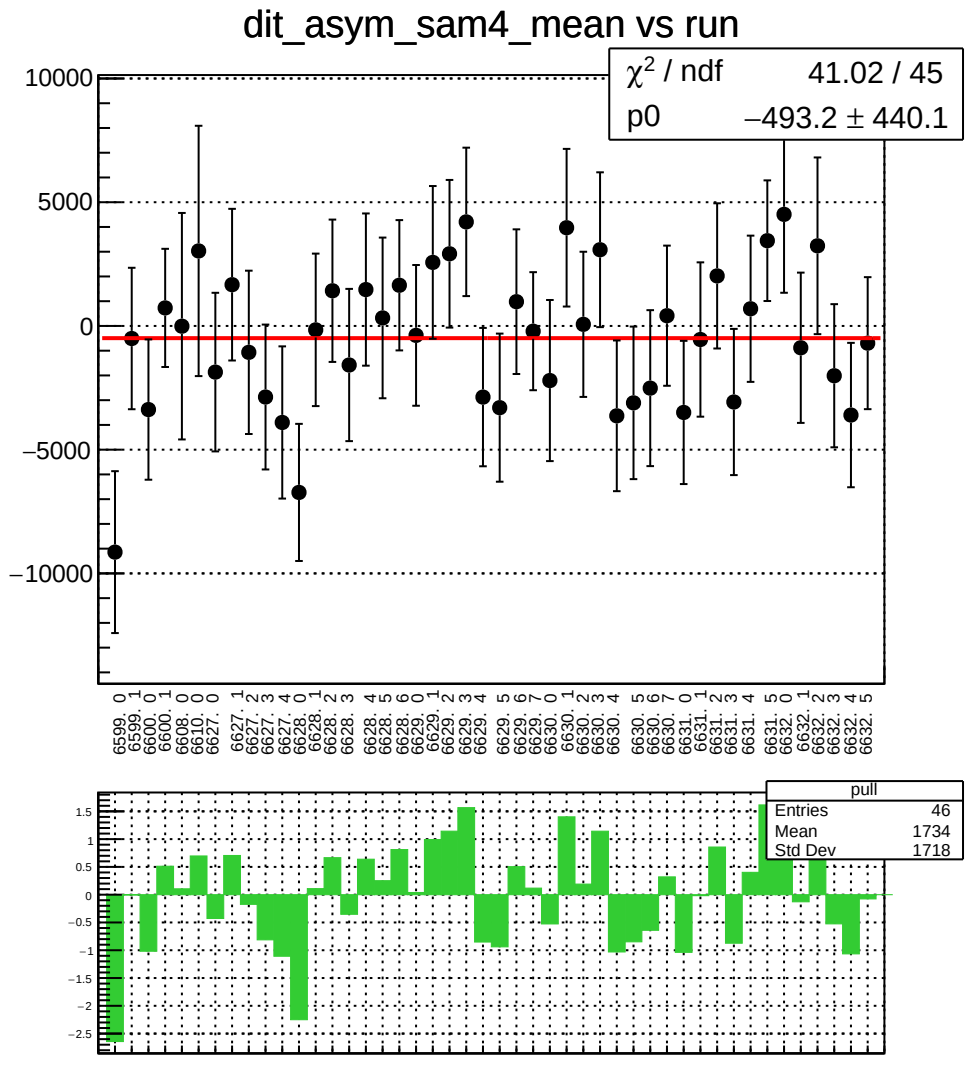

pull1D
Entries 46
Mean 0.001104
Std Dev 0.8544
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

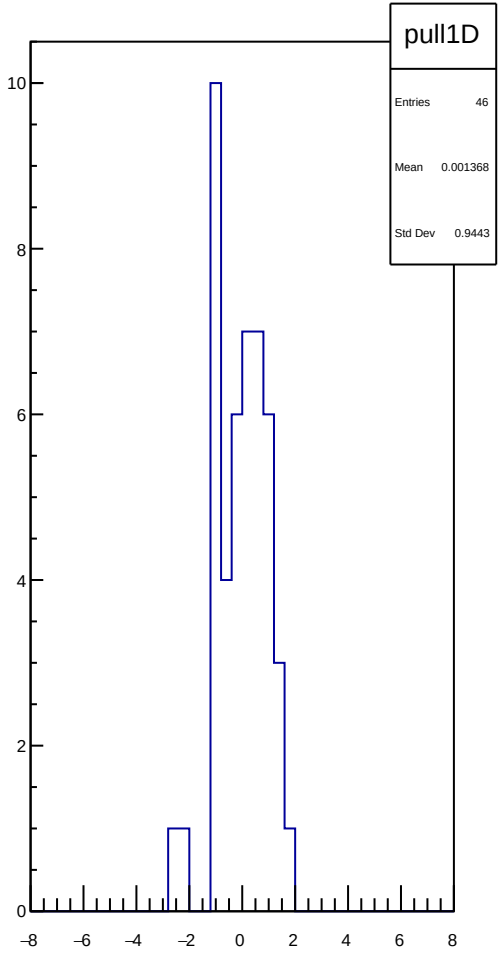

asym_sam3_correction_rms vs run
χ² / ndf 6439 / 45
p0 870.9 ± 0.9414
1100
1050
1000
950
900
850
800
750
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

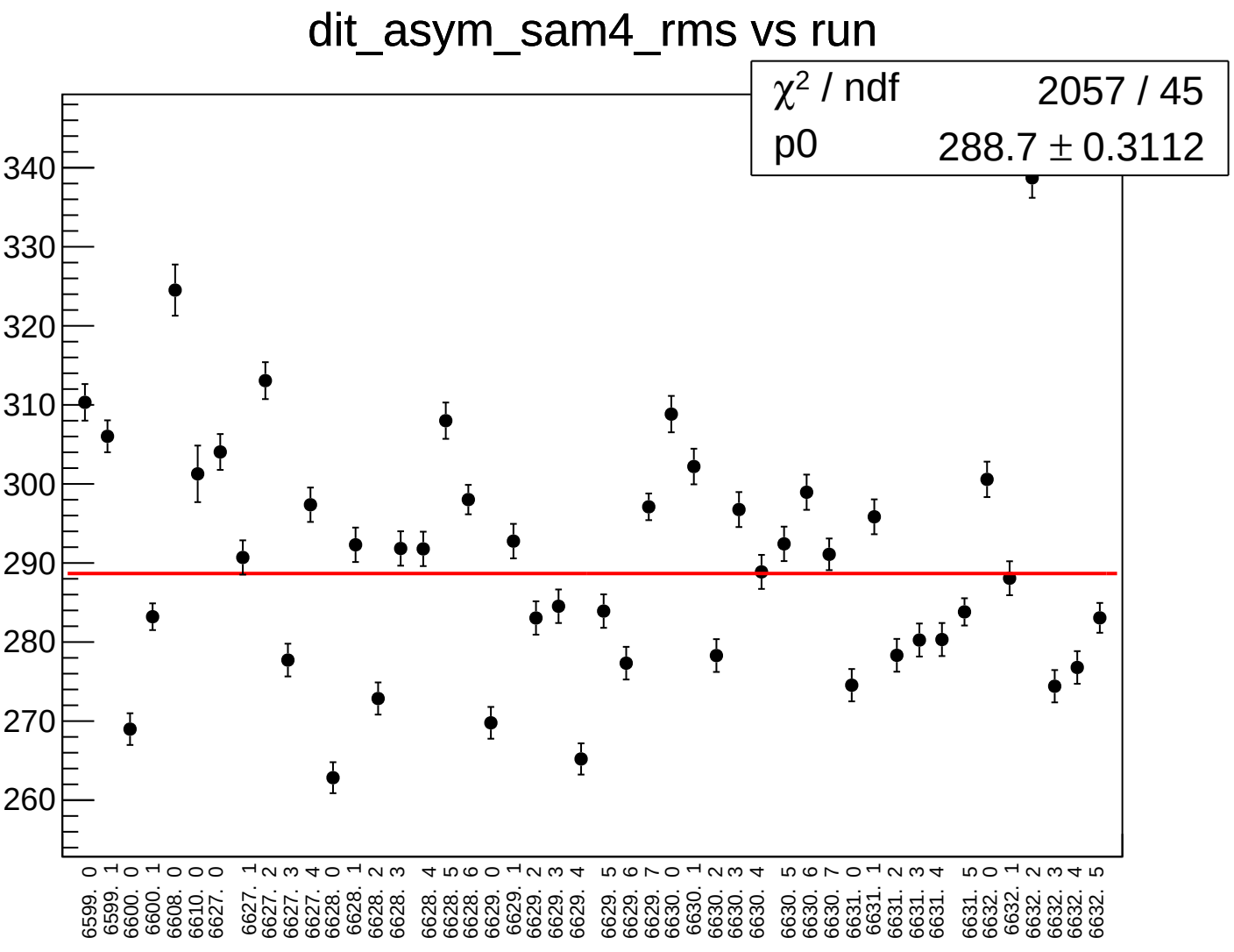

asym_sam3_mean vs run
χ² / ndf 34.12 / 45
p0 −2542 ± 1406
30000
20000
10000
0
−10000
−20000
−30000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −441.6
Std Dev 465.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

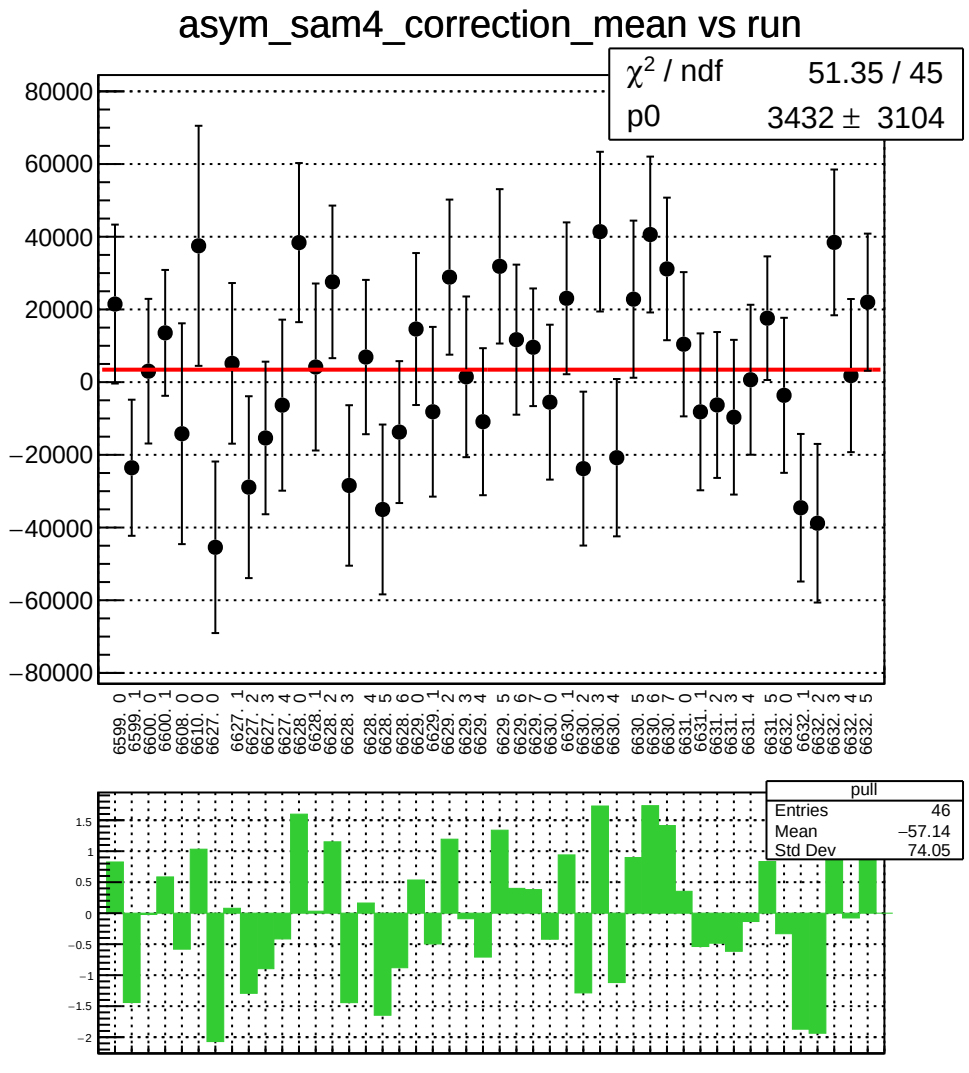

pull1D
Entries 46
Mean −0.004943
Std Dev 0.8612
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

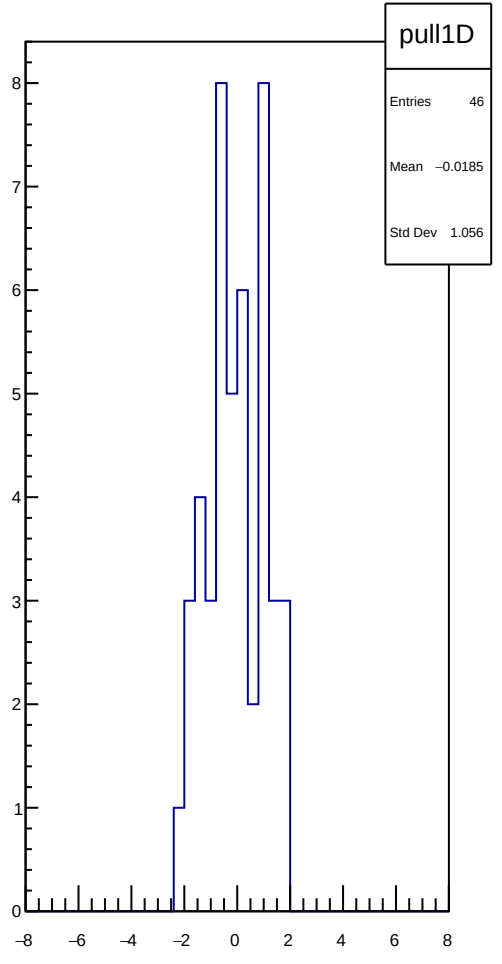

asym_sam3_rms vs run
χ^2 / ndf 9253 / 45
p0 918.4 ± 0.9944
1200
1100
1000
900
800
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

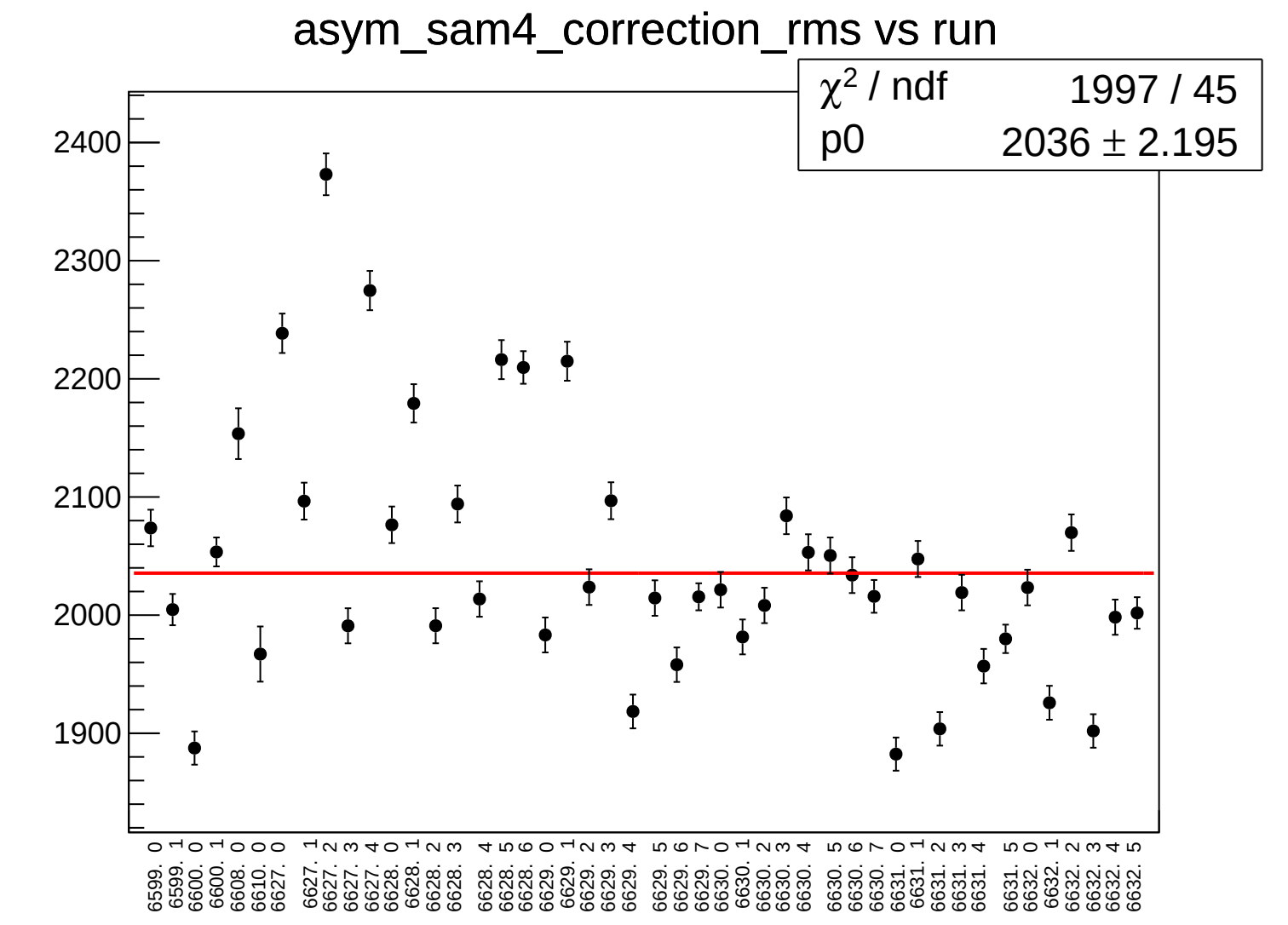

dit_asym_sam4_mean vs run
χ² / ndf 41.02 / 45
p0 −493.2 ± 440.1
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 1734
Std Dev 1718
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

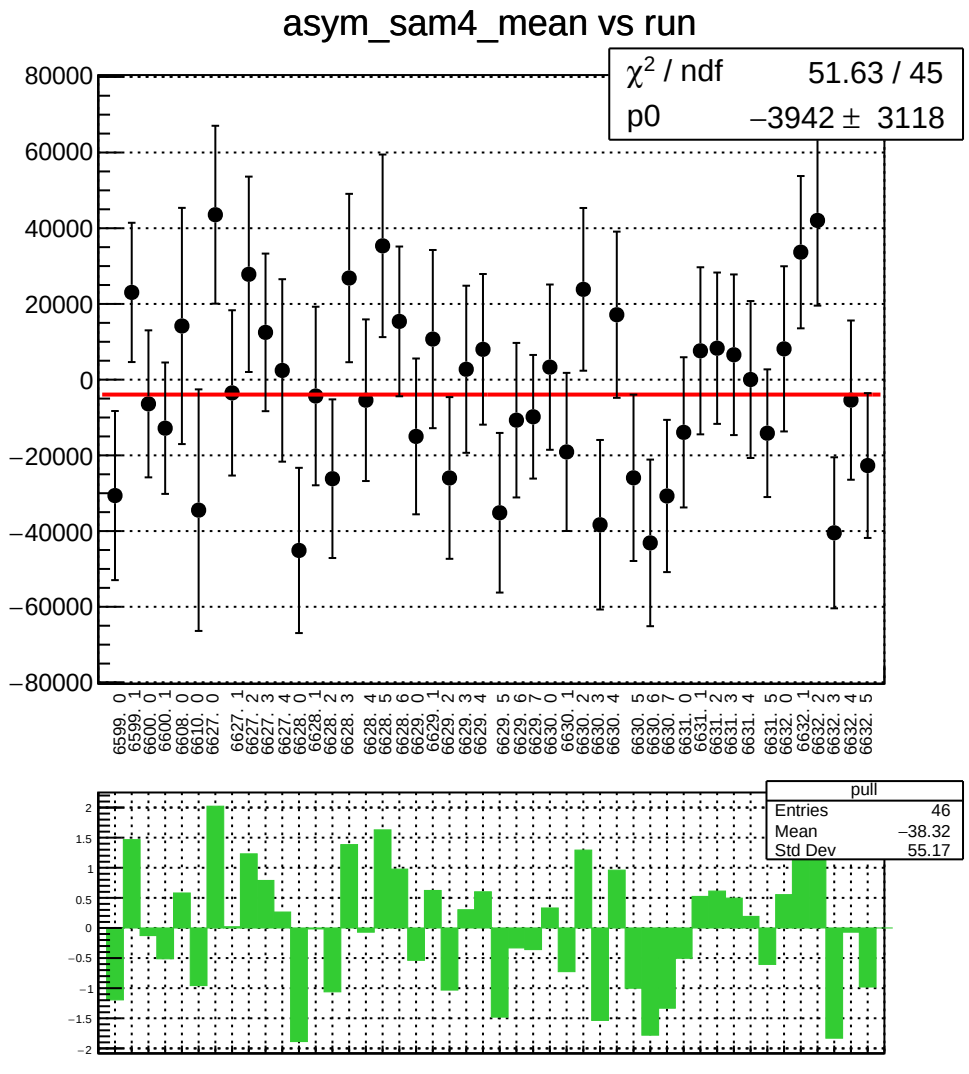

pull1D
Entries 46
Mean 0.001368
Std Dev 0.9443
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

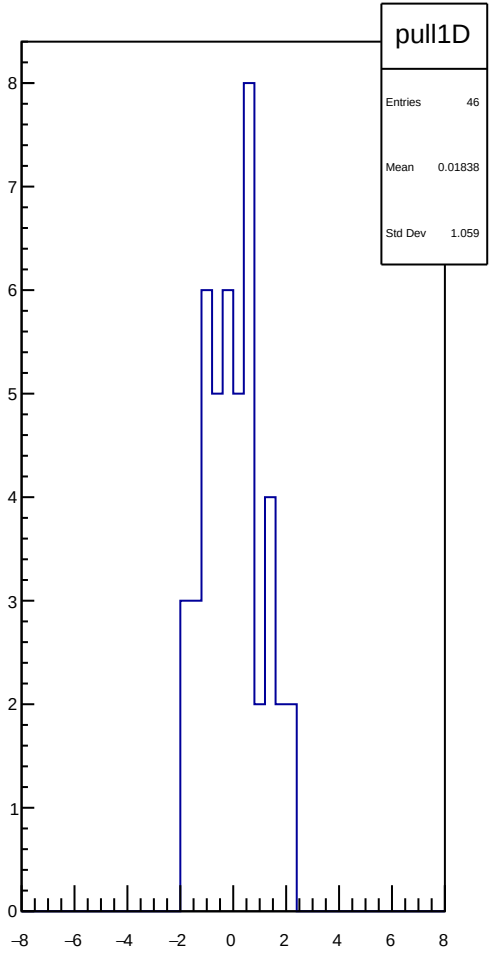

dit_asym_sam4_rms vs run
χ² / ndf 2057 / 45
p0 288.7 ± 0.3112
340
330
320
310
300
290
280
270
260
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

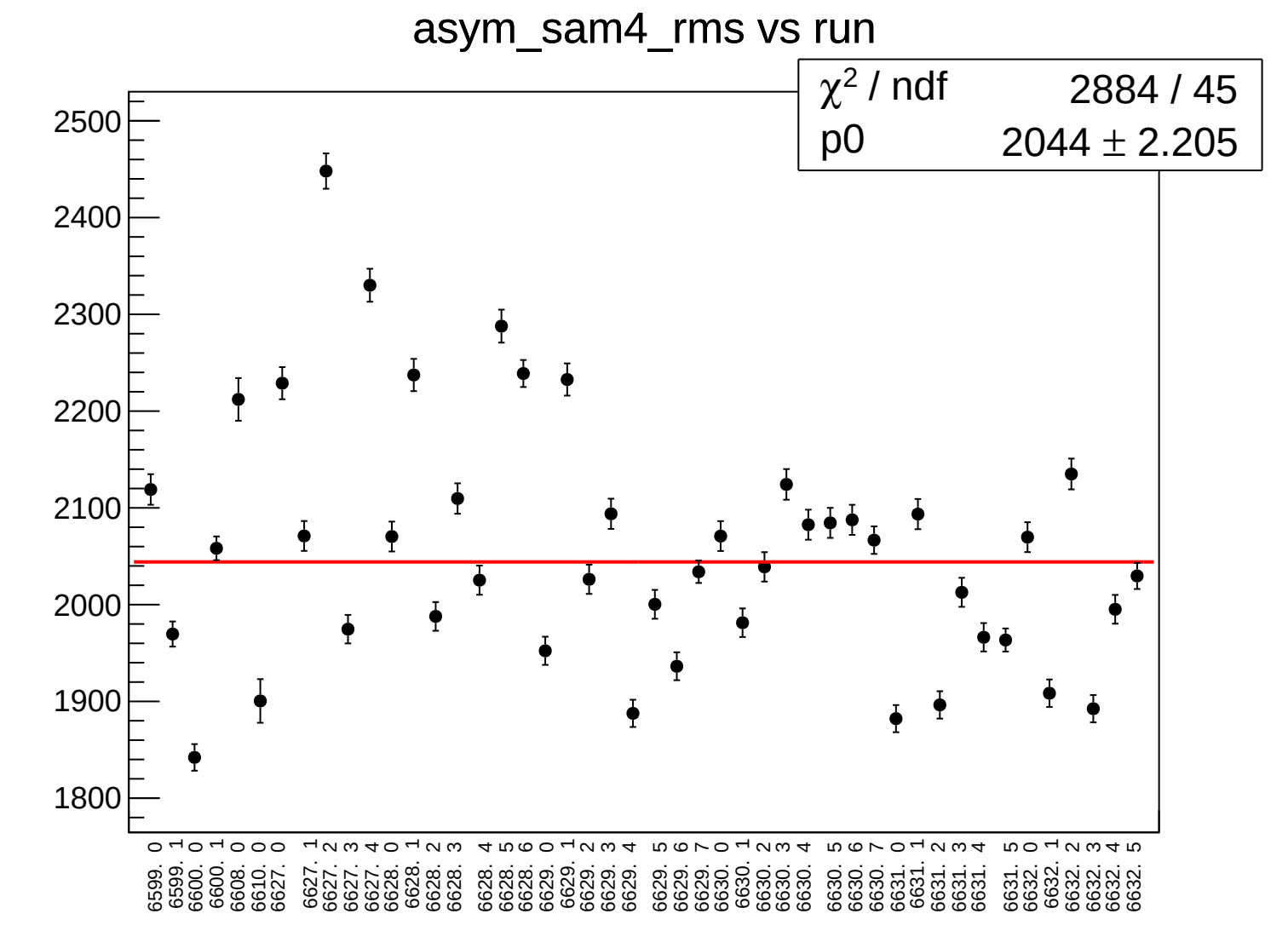

asym_sam4_correction_mean vs run
χ² / ndf 51.35 / 45
p0 3432 ± 3104
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −57.14
Std Dev 74.05
1.5
1
0.5
0
−0.5
−1
−1.5
−2

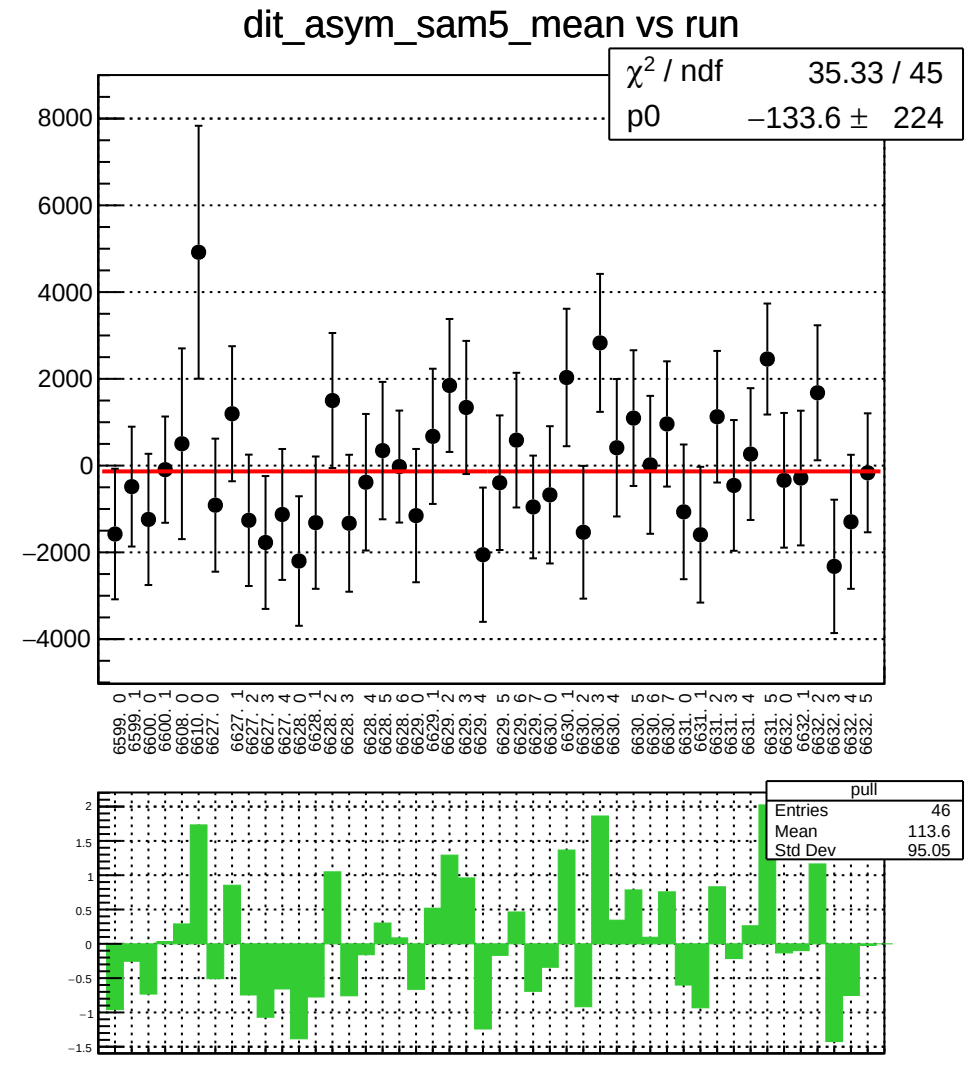

pull1D
Entries 46
Mean −0.0185
Std Dev 1.056
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

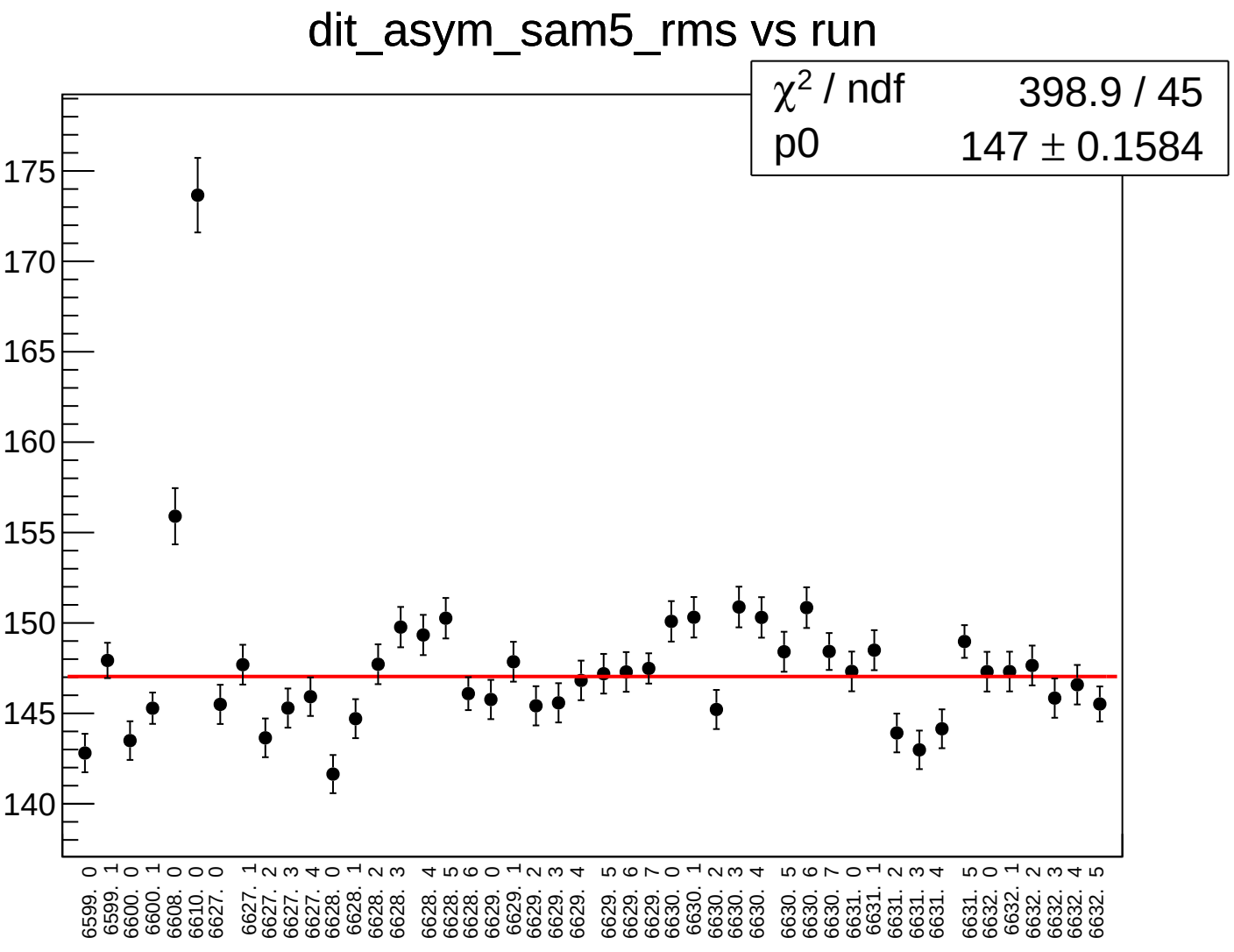

asym_sam4_correction_rms vs run
χ² / ndf 1997 / 45
p0 2036 ± 2.195
2400
2300
2200
2100
2000
1900
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

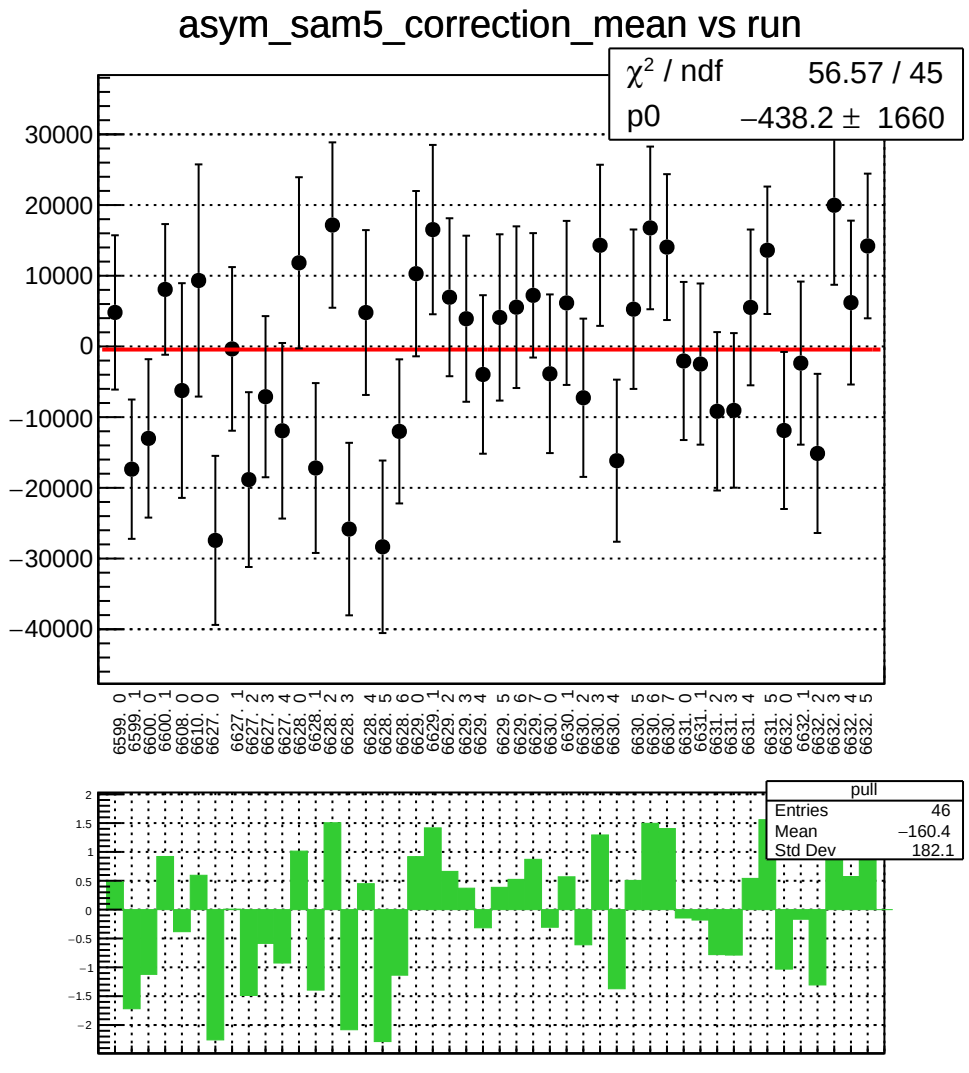

asym_sam4_mean vs run
χ² / ndf 51.63 / 45
p0 −3942 ± 3118
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −38.32
Std Dev 55.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

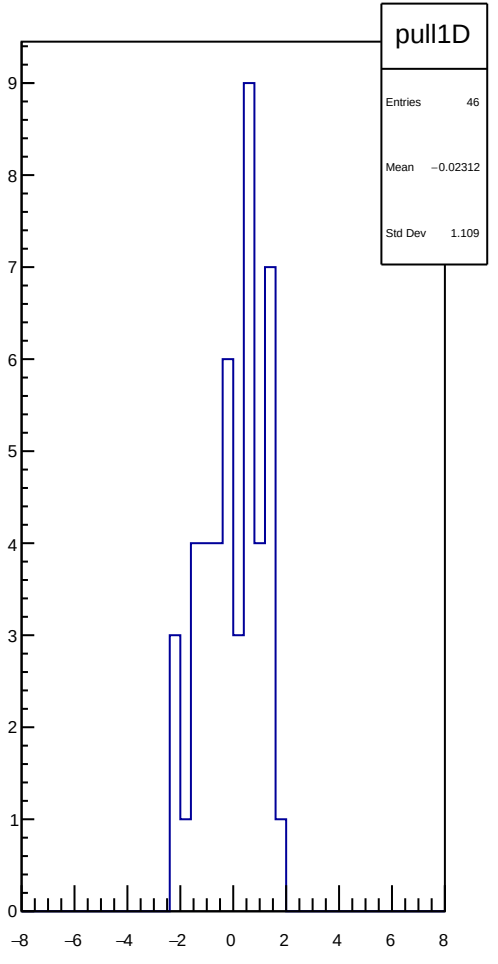

pull1D
Entries 46
Mean 0.01838
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

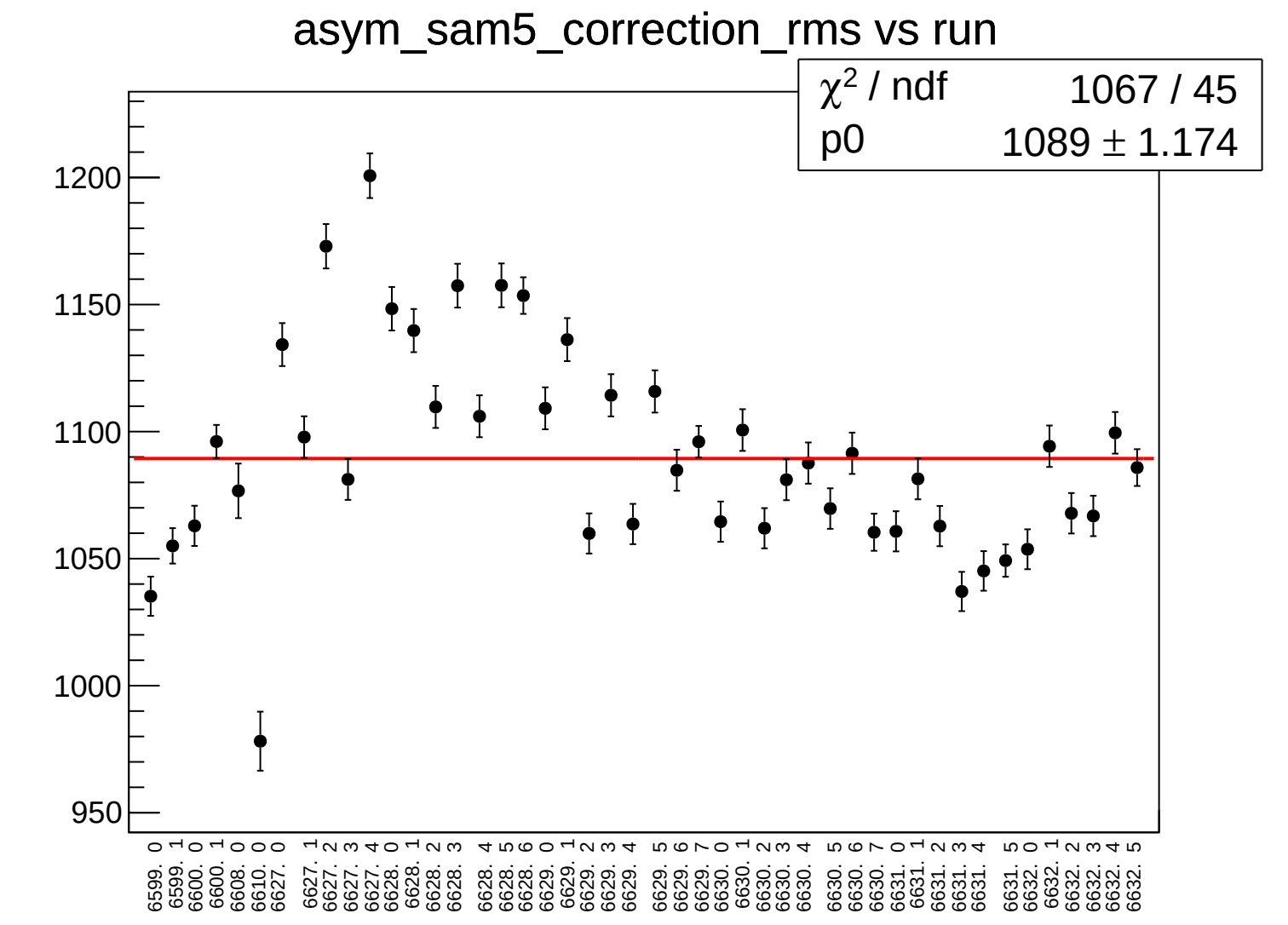

asym_sam4_rms vs run
χ² / ndf 2884 / 45
p0 2044 ± 2.205
2500
2400
2300
2200
2100
2000
1900
1800
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

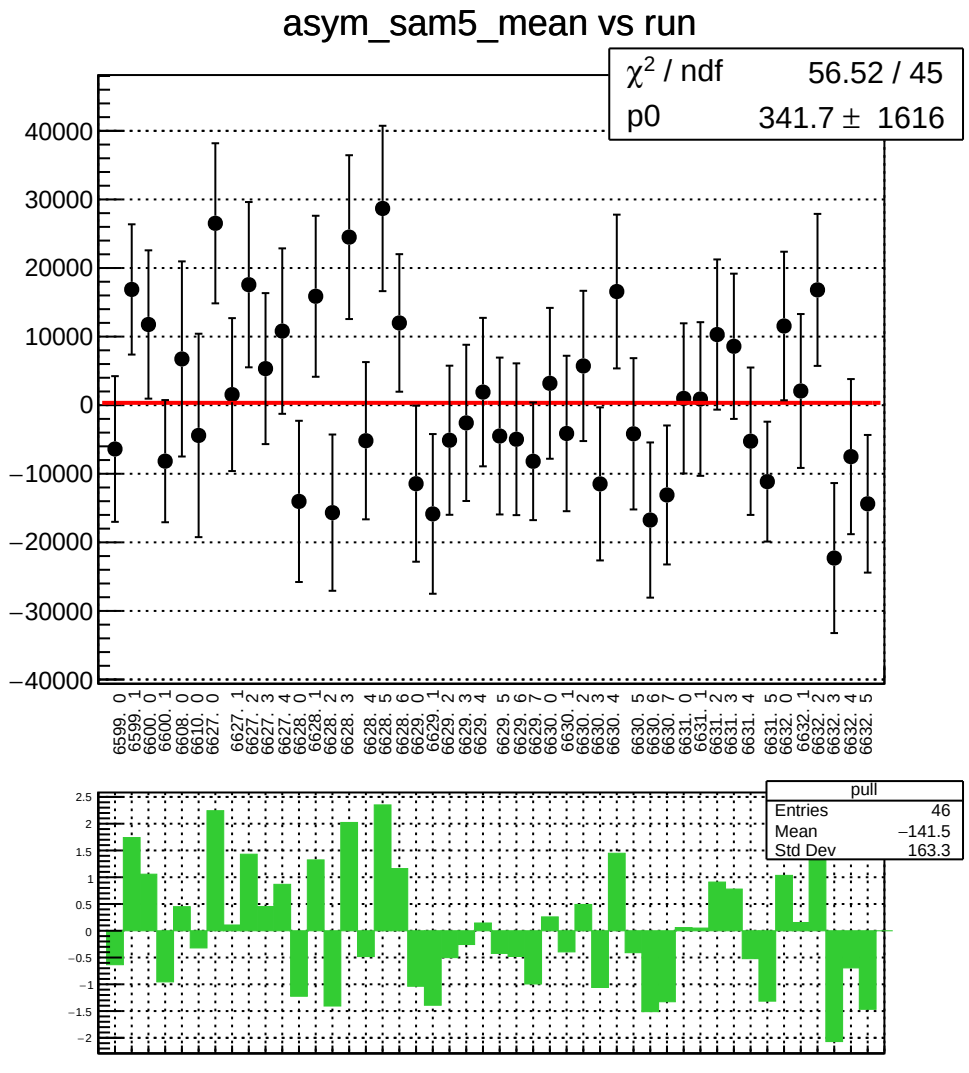

dit_asym_sam5_mean vs run
χ² / ndf 35.33 / 45
p0 −133.6 ± 224
8000
6000
4000
2000
0
−2000
−4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 113.6
Std Dev 95.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.01906
Std Dev 0.8762
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

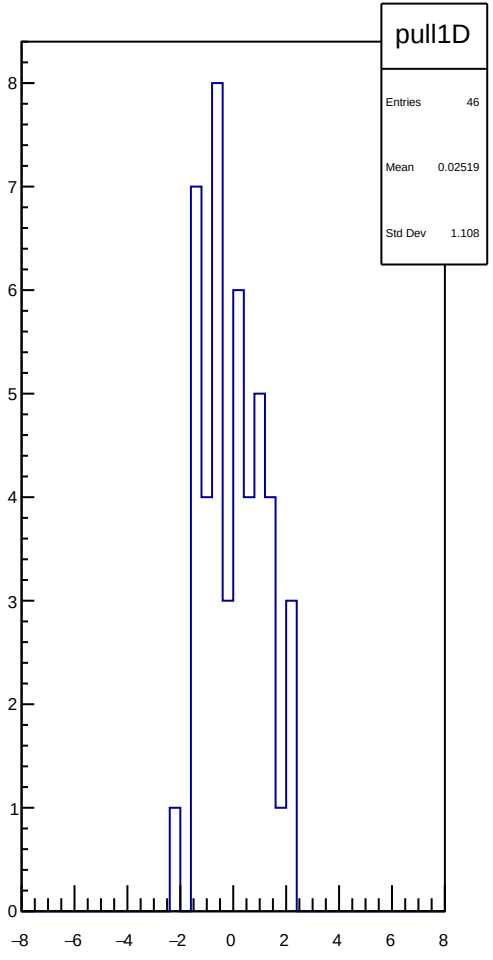

dit_asym_sam5_rms vs run
χ^2 / ndf 398.9 / 45
p0 147 ± 0.1584
175
170
165
160
155
150
145
140
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

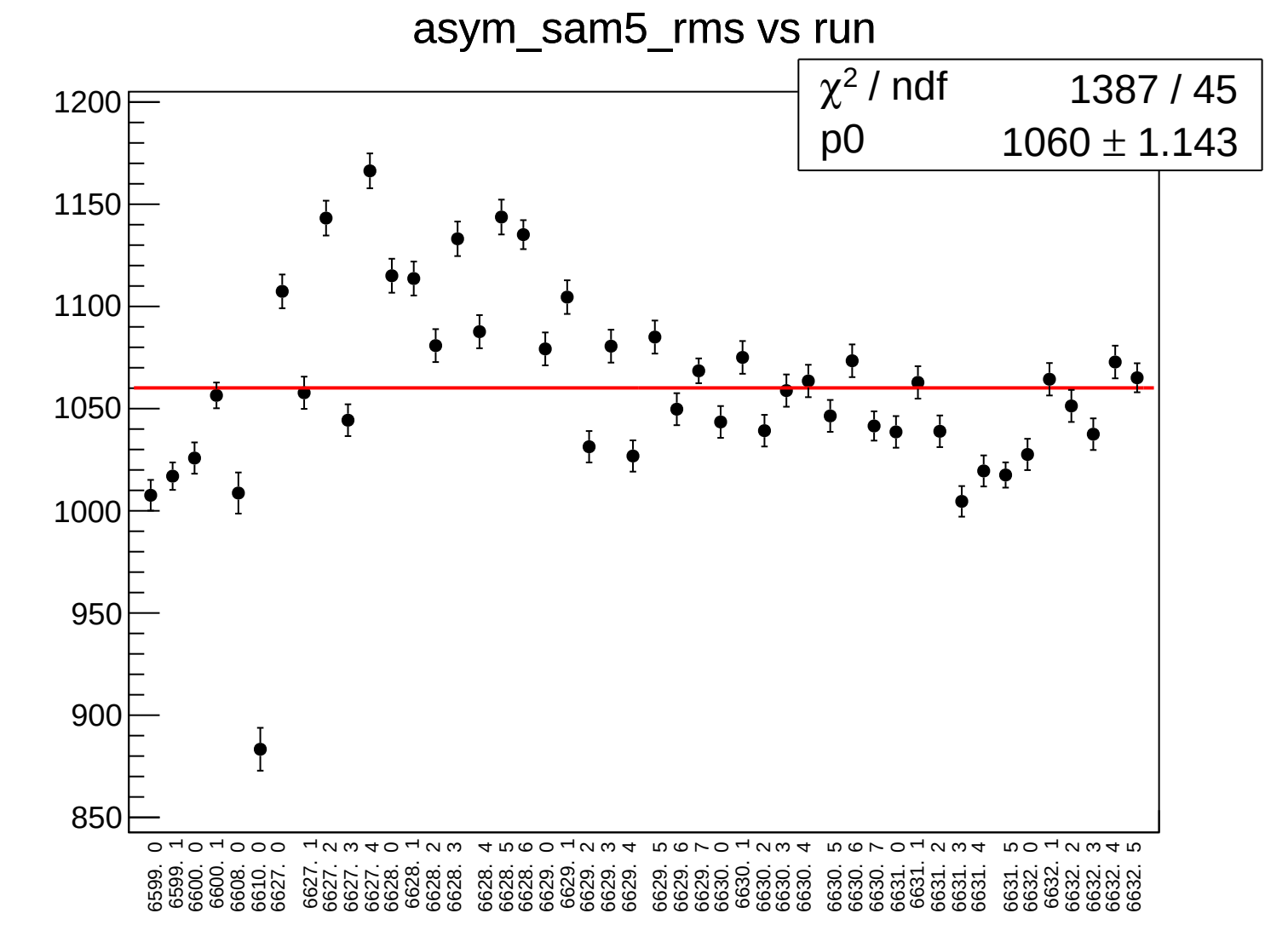

asym_sam5_correction_mean vs run
χ² / ndf 56.57 / 45
p0 −438.2 ± 1660
pull
Entries 46
Mean −160.4
Std Dev 182.1

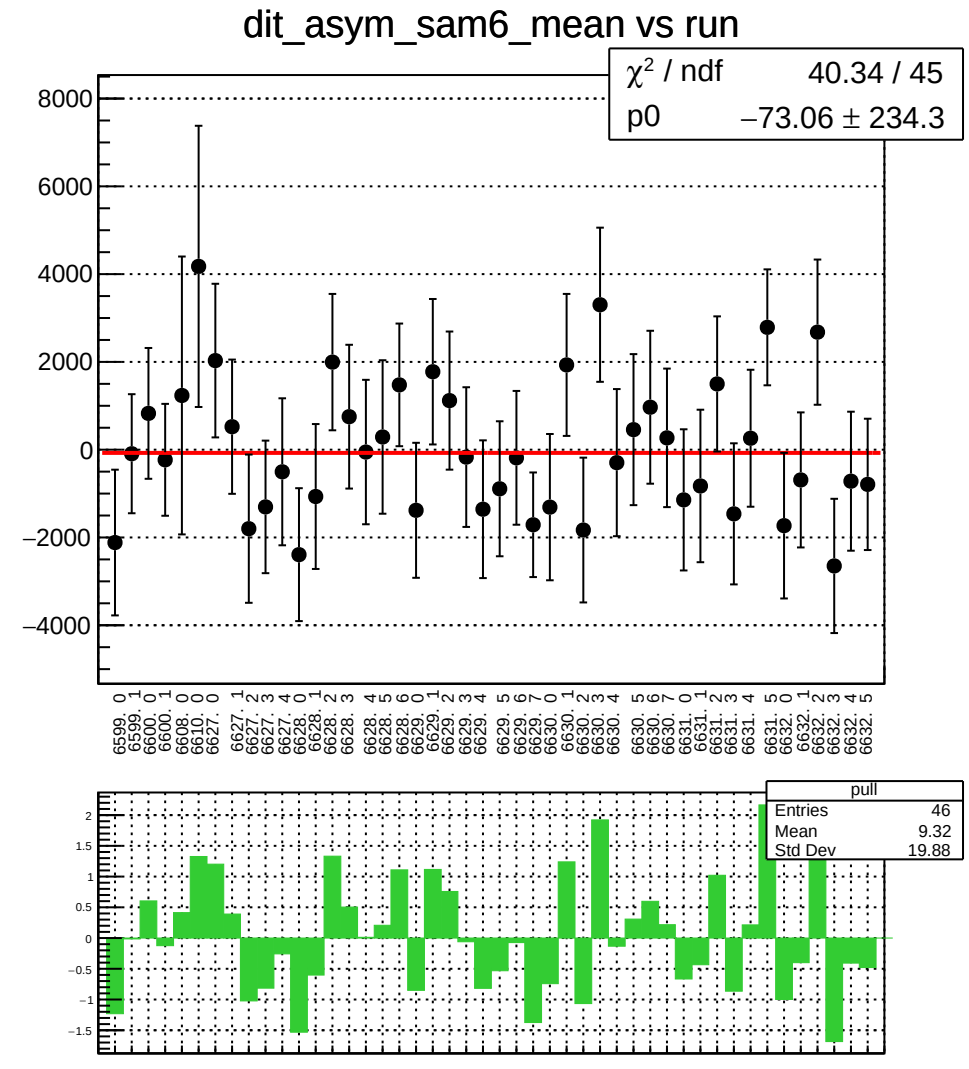

pull1D
Entries 46
Mean −0.02312
Std Dev 1.109

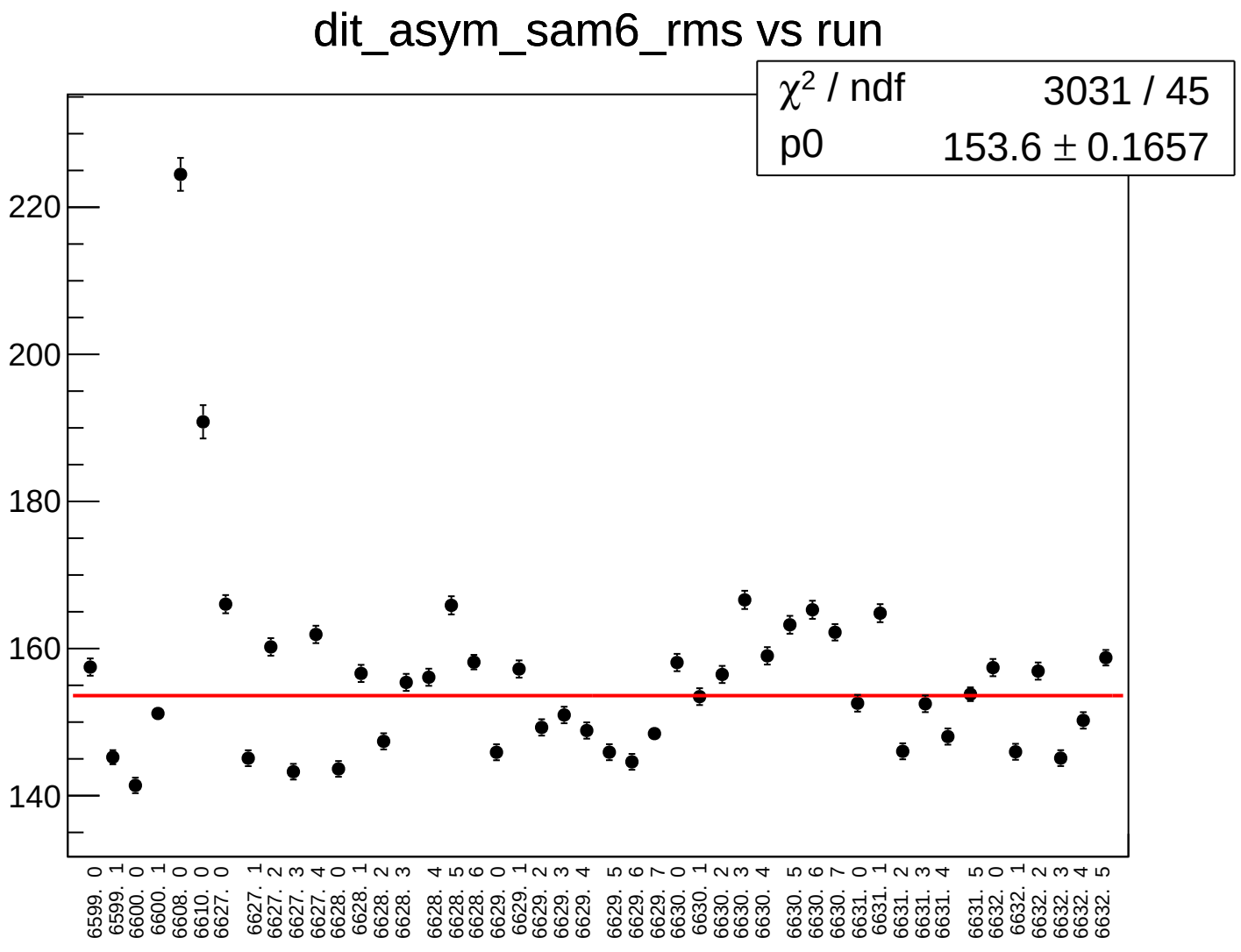

asym_sam5_correction_rms vs run
χ² / ndf 1067 / 45
p0 1089 ± 1.174
1200
1150
1100
1050
1000
950
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

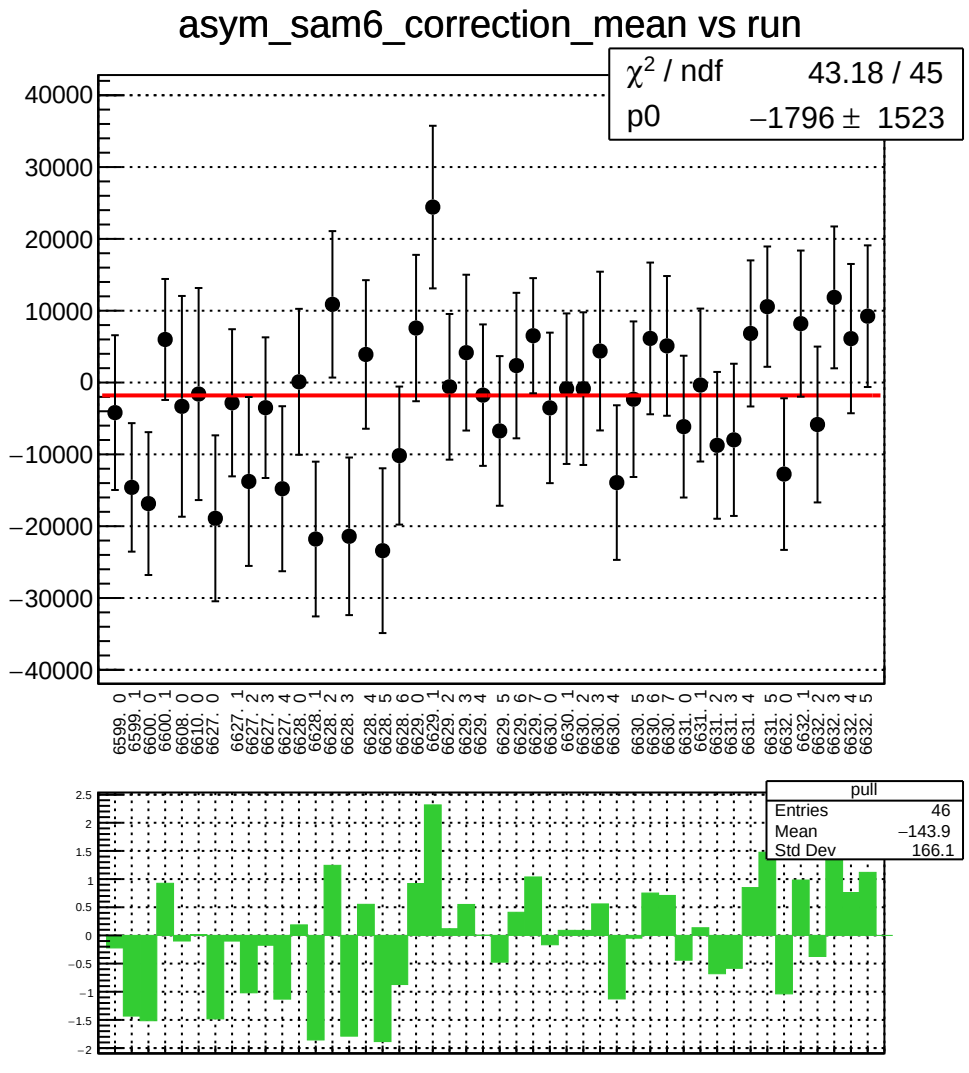

asym_sam5_mean vs run
χ² / ndf 56.52 / 45
p0 341.7 ± 1616
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −141.5
Std Dev 163.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

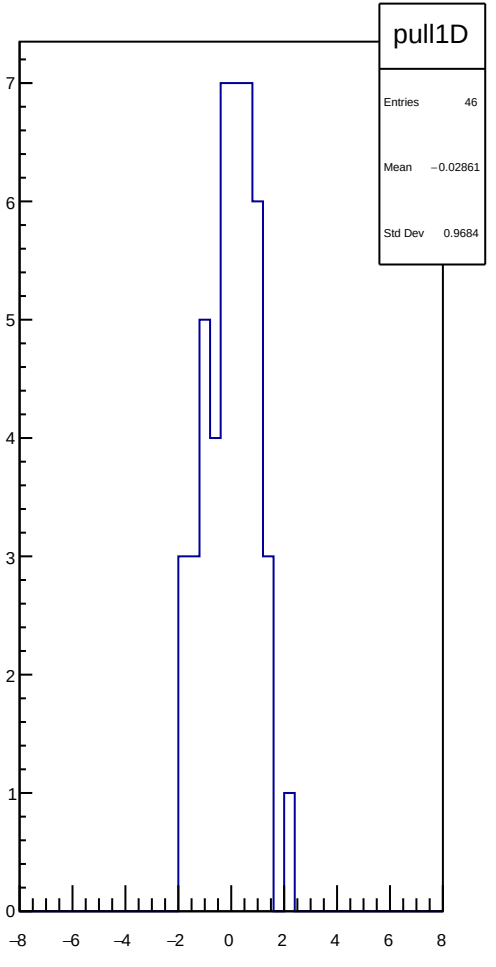

pull1D
Entries 46
Mean 0.02519
Std Dev 1.108
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

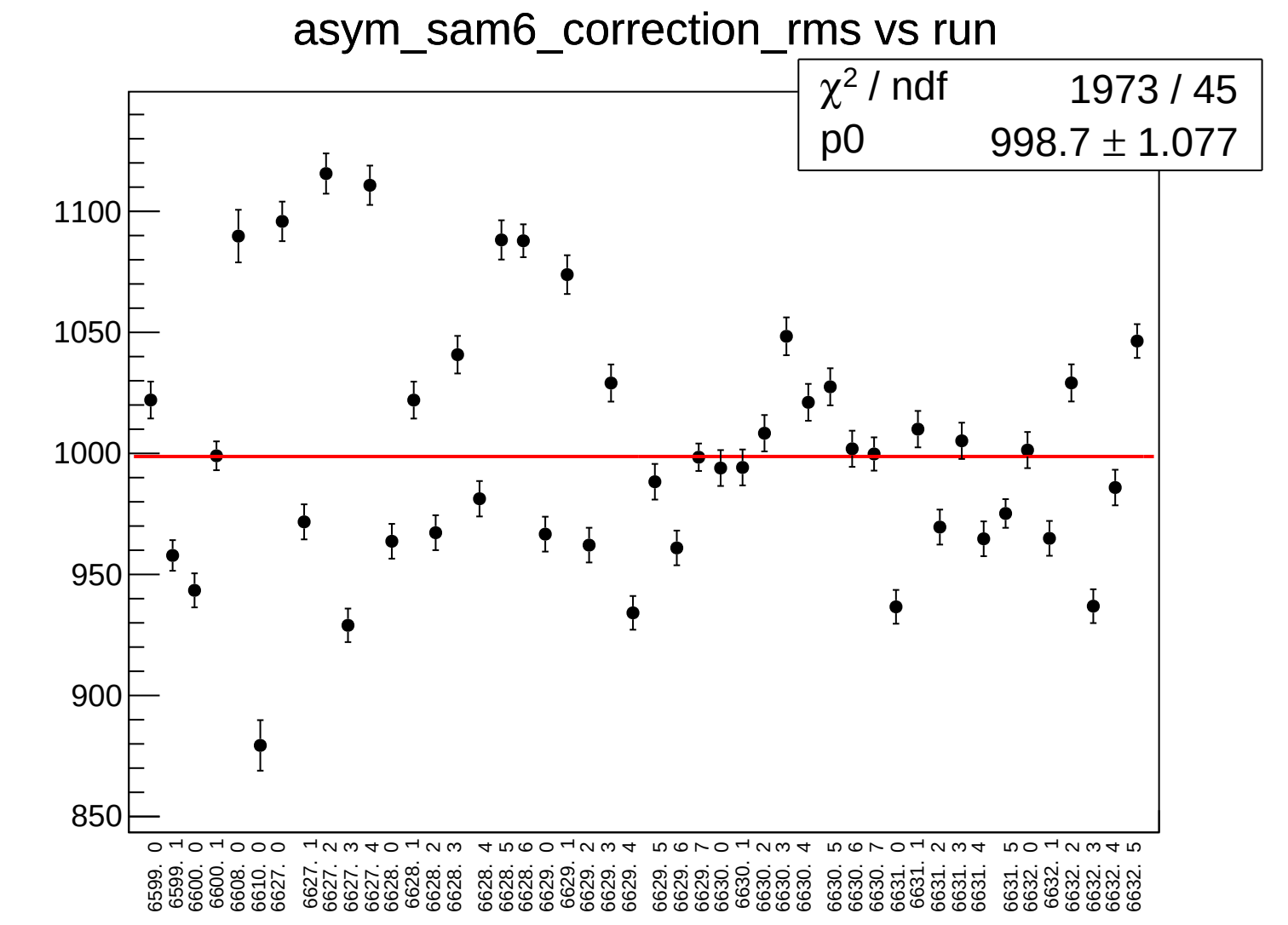

asym_sam5_rms vs run
χ² / ndf 1387 / 45
p0 1060 ± 1.143
1200
1150
1100
1050
1000
950
900
850
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

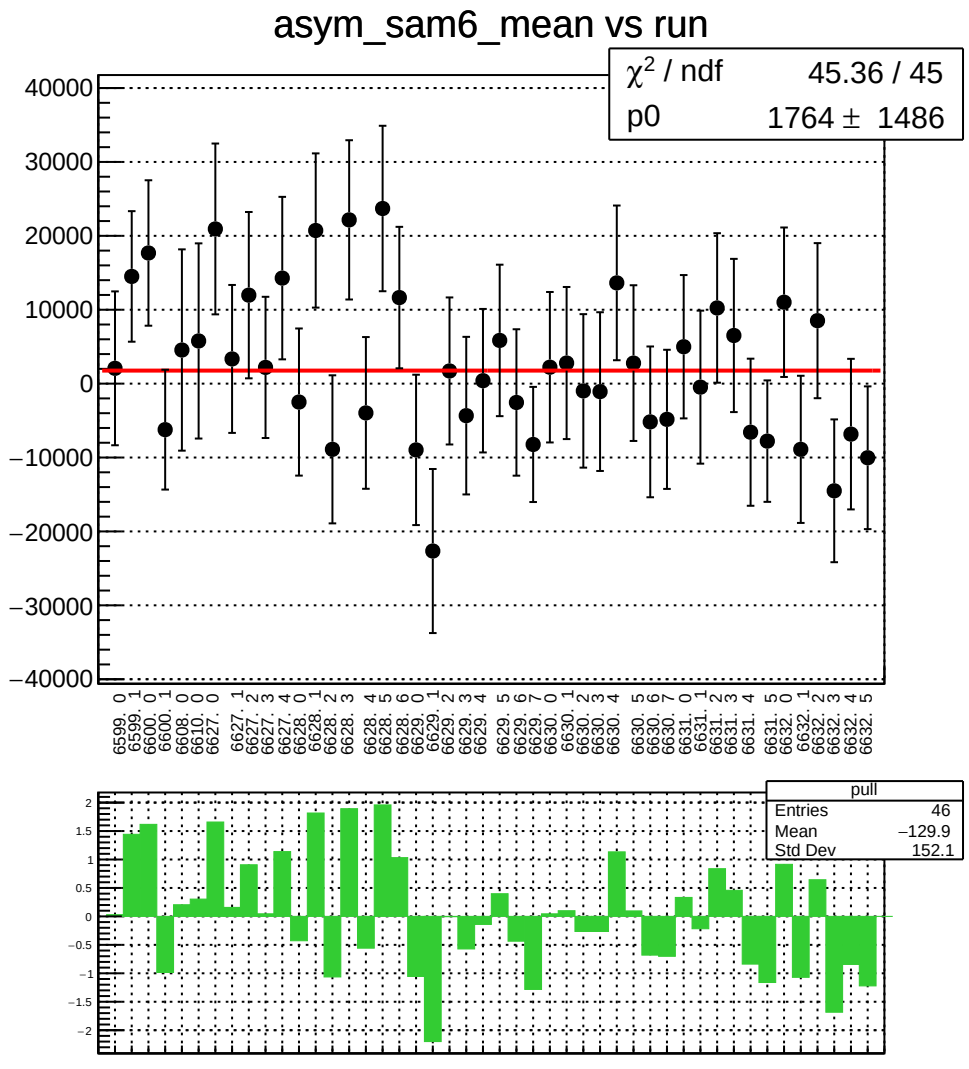

dit_asym_sam6_mean vs run
χ² / ndf 40.34 / 45
p0 −73.06 ± 234.3
8000
6000
4000
2000
0
−2000
−4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 9.32
Std Dev 19.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.0248
Std Dev 0.9361
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

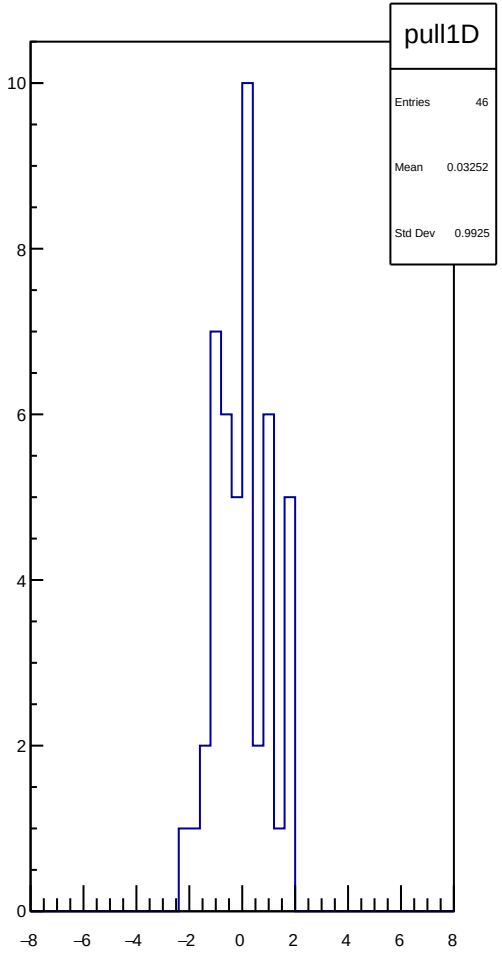

dit_asym_sam6_rms vs run
χ² / ndf 3031 / 45
p0 153.6 ± 0.1657
220
200
180
160
140
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

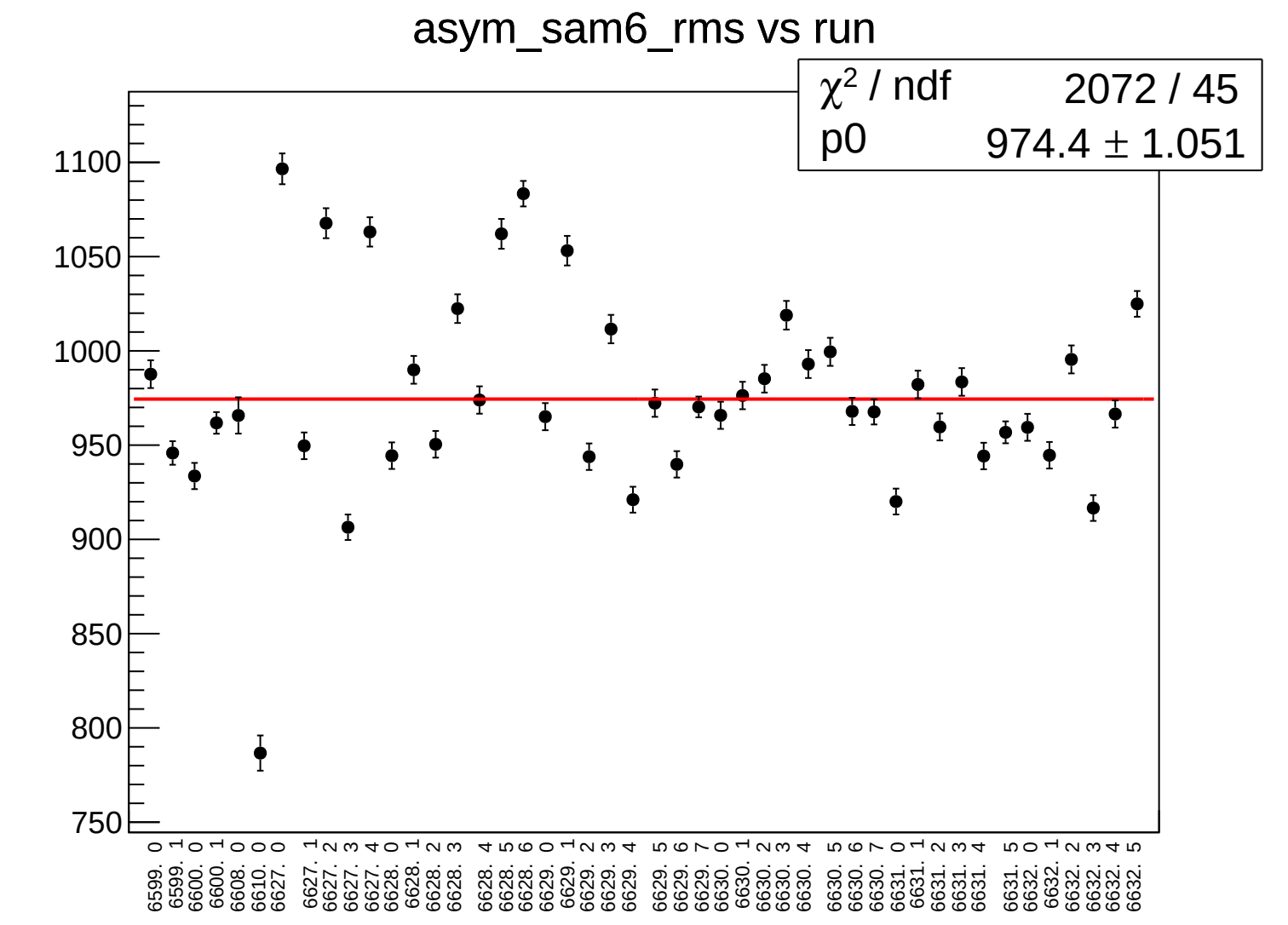

asym_sam6_correction_mean vs run
χ² / ndf 43.18 / 45
p0 −1796 ± 1523
pull
Entries 46
Mean −143.9
Std Dev 166.1

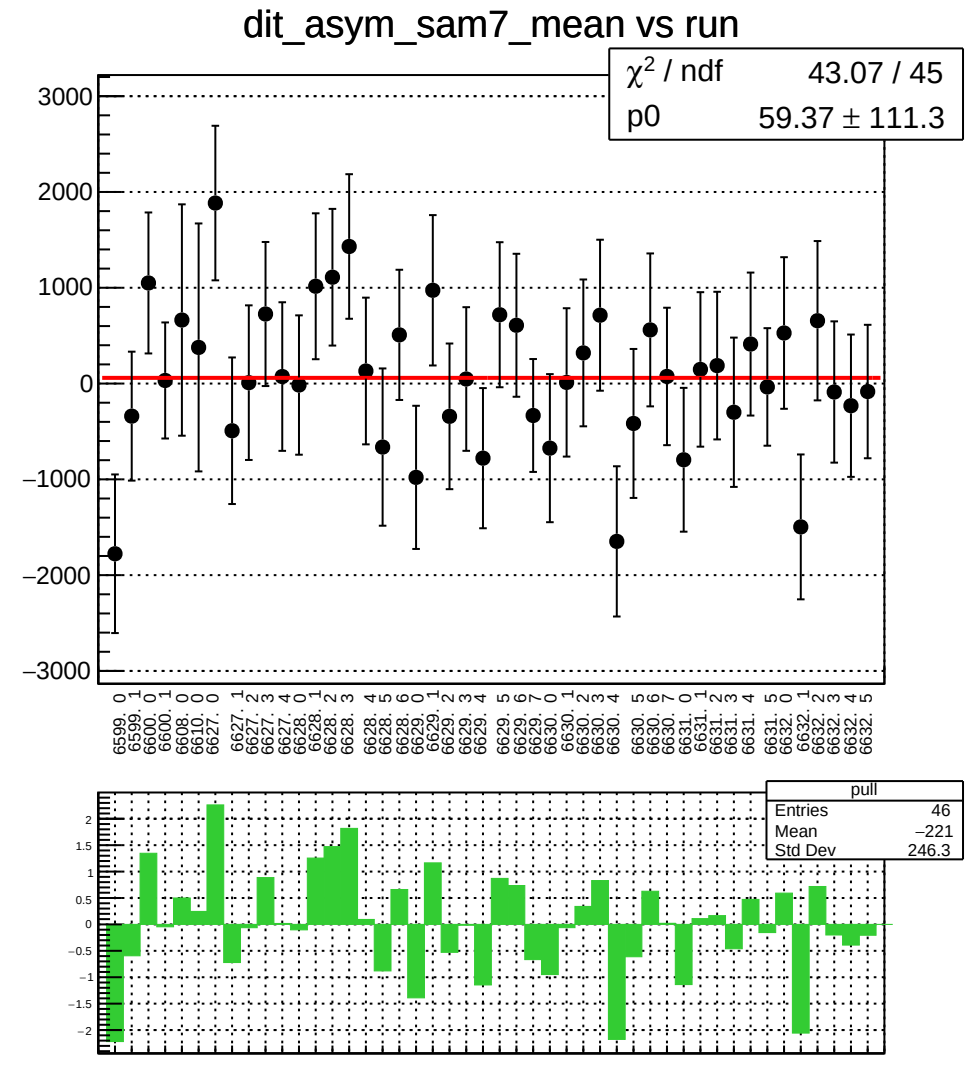

pull1D
Entries 46
Mean −0.02861
Std Dev 0.9684

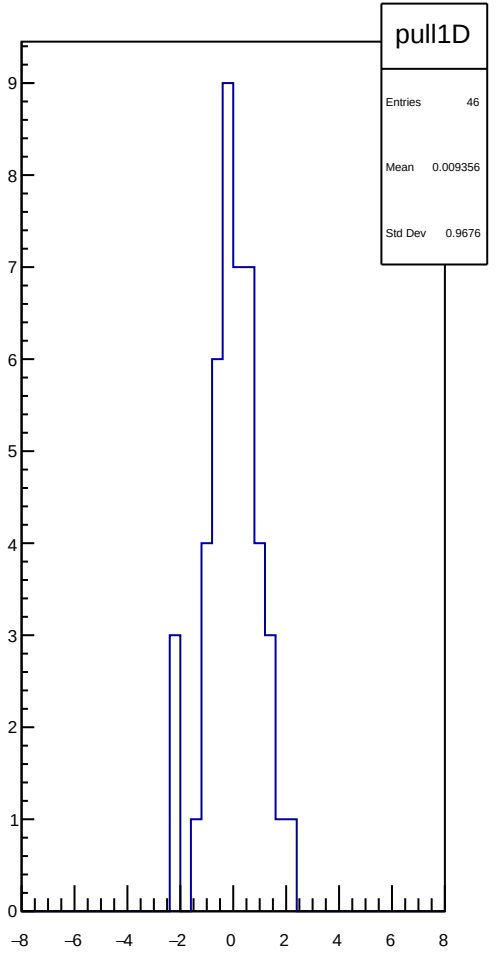

asym_sam6_correction_rms vs run
χ² / ndf 1973 / 45
p0 998.7 ± 1.077
1100
1050
1000
950
900
850
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

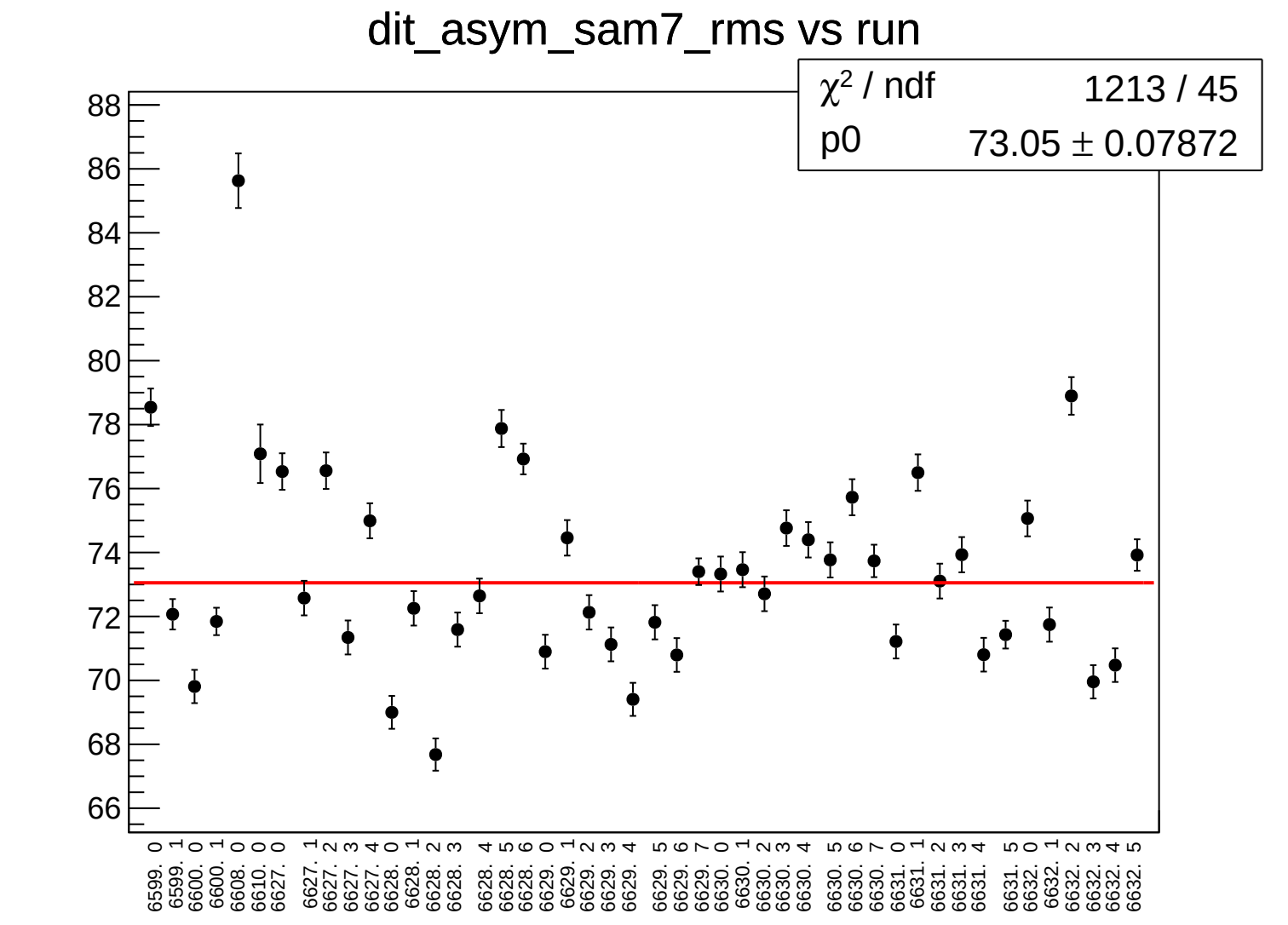

asym_sam6_mean vs run
χ² / ndf 45.36 / 45
p0 1764 ± 1486
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −129.9
Std Dev 152.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

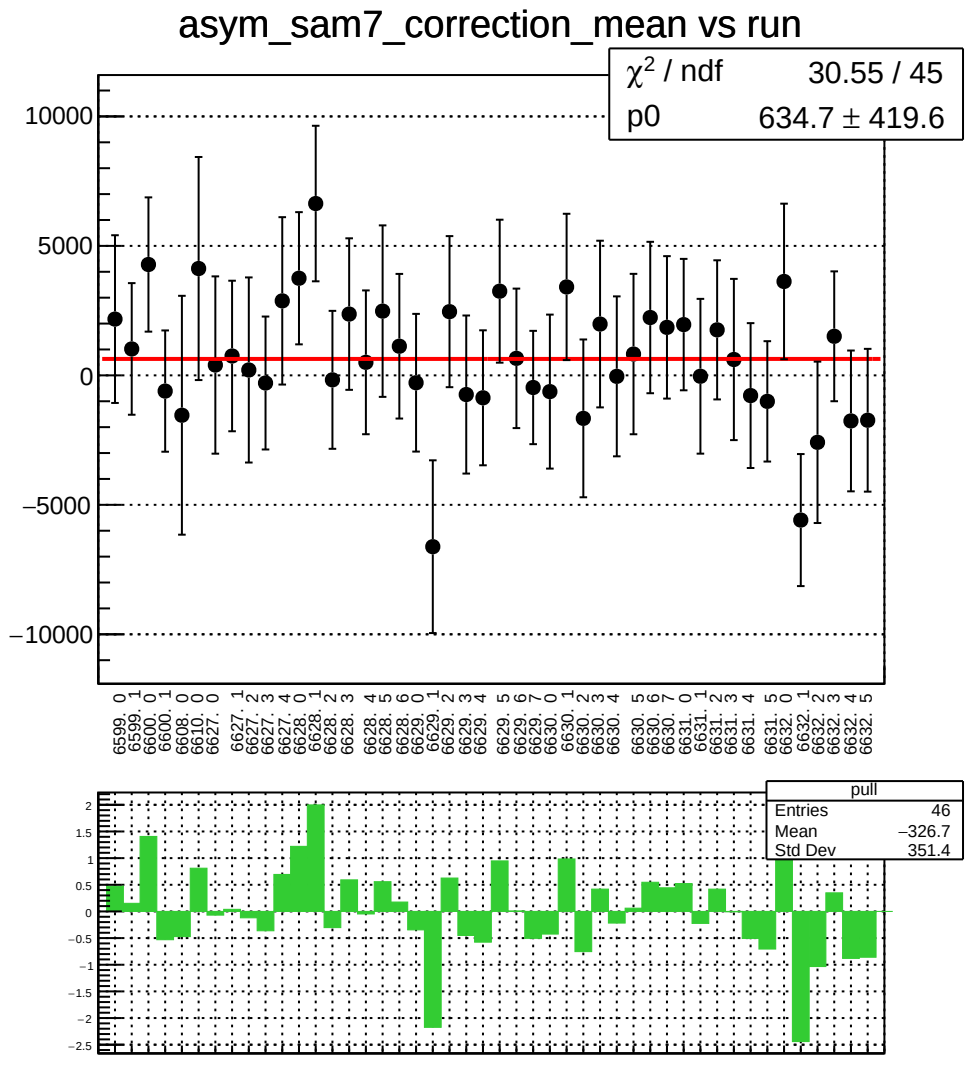

pull1D
Entries 46
Mean 0.03252
Std Dev 0.9925
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

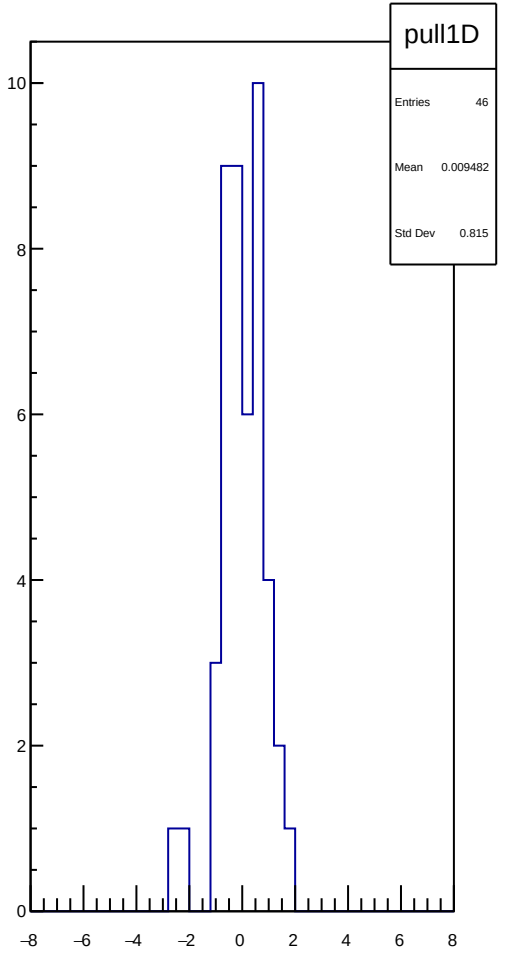

asym_sam6_rms vs run
χ² / ndf 2072 / 45
p0 974.4 ± 1.051
1100
1050
1000
950
900
850
800
750
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

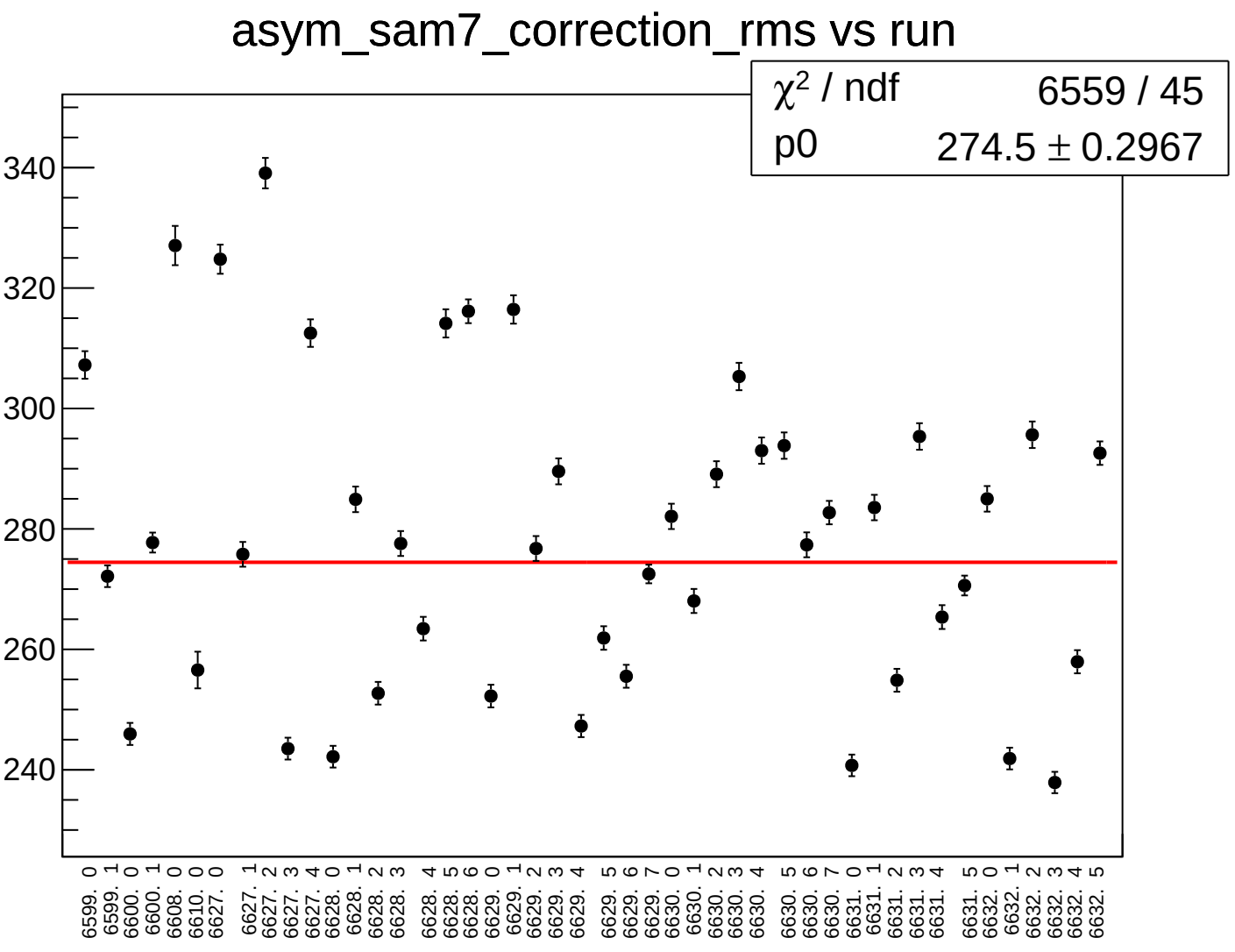

dit_asym_sam7_mean vs run
χ² / ndf 43.07 / 45
p0 59.37 ± 111.3
3000
2000
1000
0
−1000
−2000
−3000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −221
Std Dev 246.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

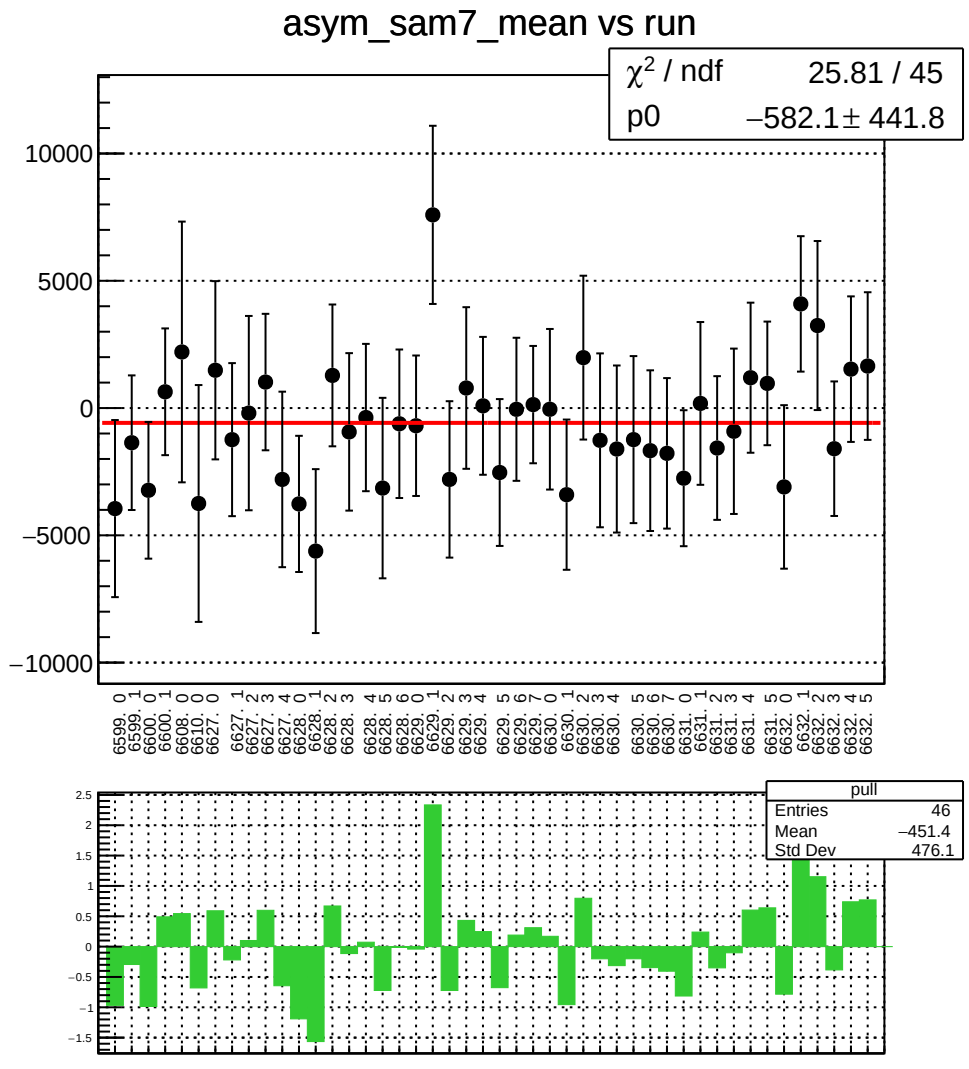

pull1D
Entries 46
Mean 0.009356
Std Dev 0.9676
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

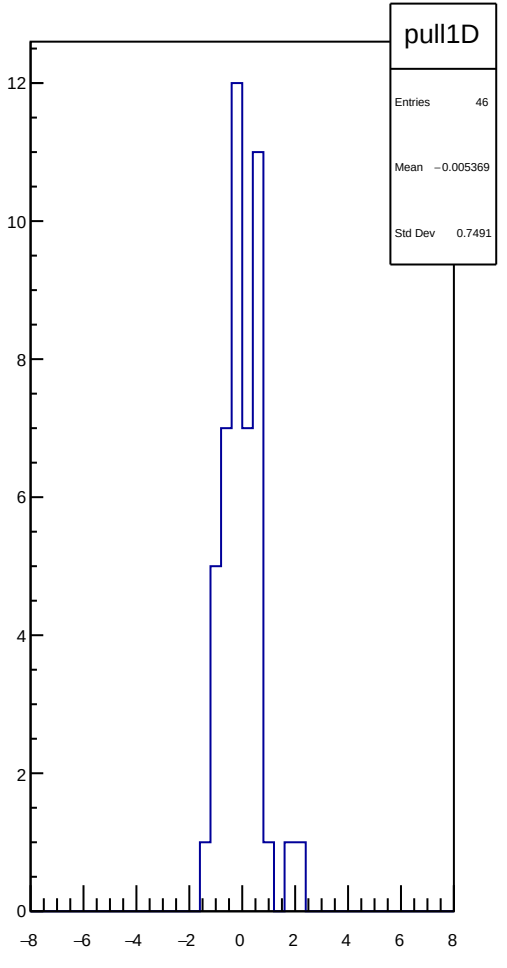

dit_asym_sam7_rms vs run
χ^2 / ndf 1213 / 45
p0 73.05 ± 0.07872
88
86
84
82
80
78
76
74
72
70
68
66
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

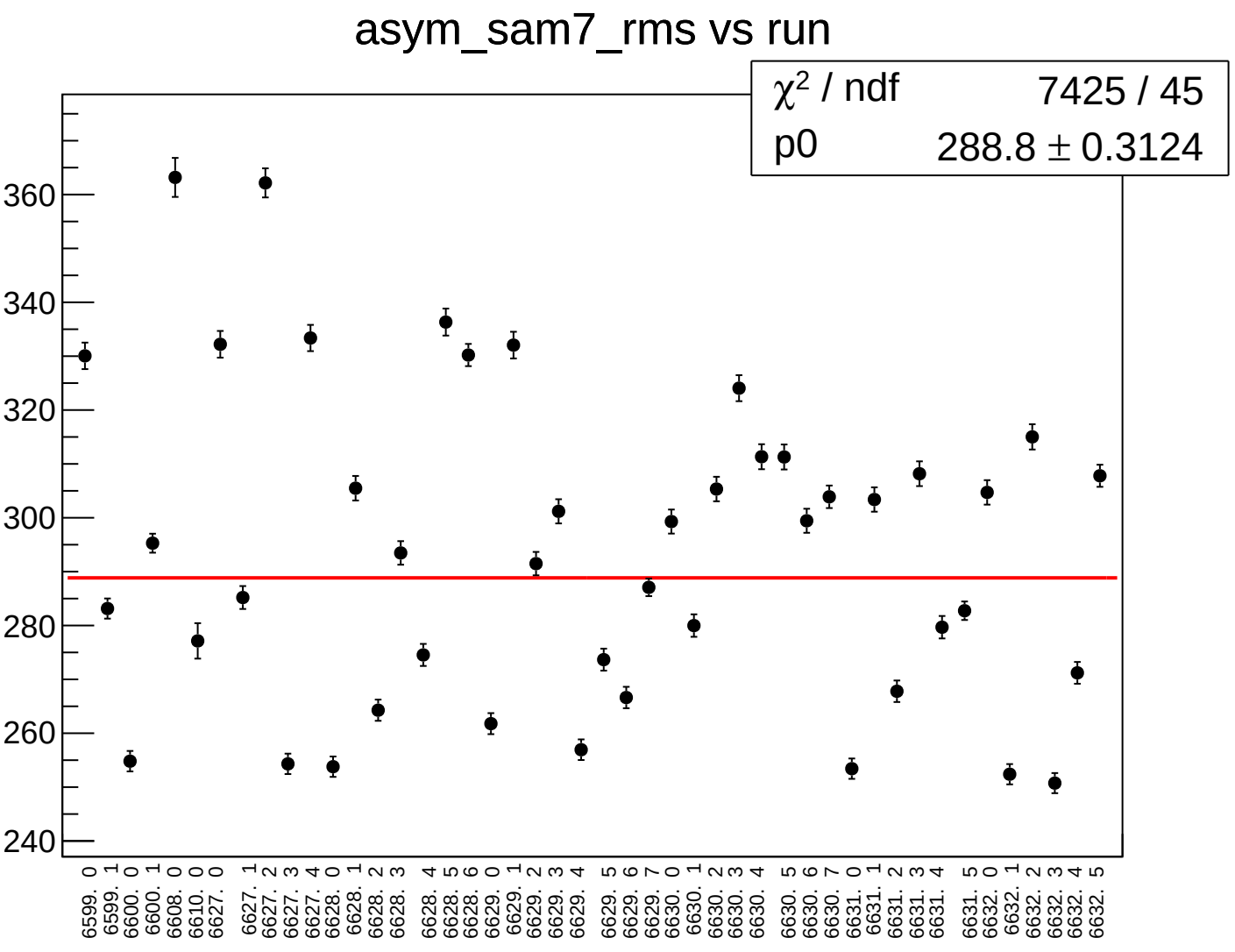

asym_sam7_correction_mean vs run
χ² / ndf 30.55 / 45
p0 634.7 ± 419.6
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −326.7
Std Dev 351.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

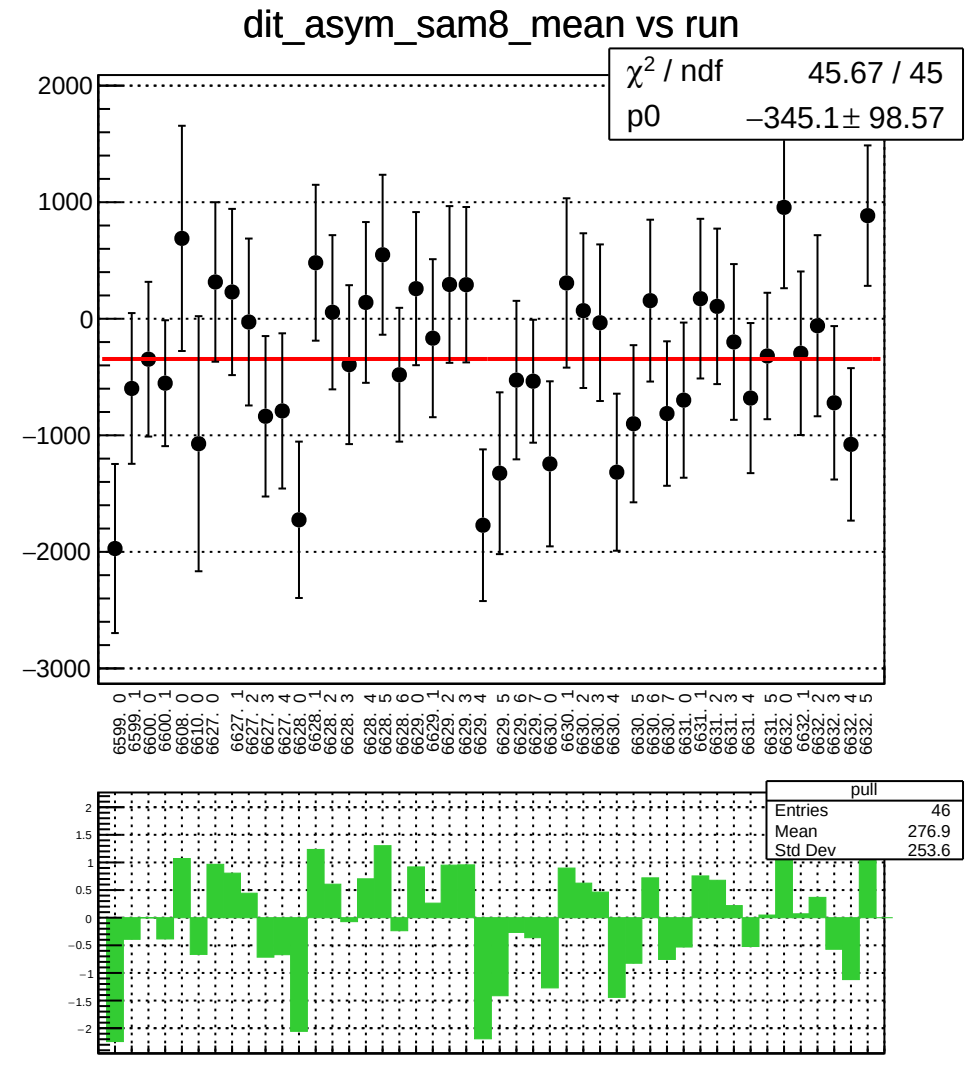

pull1D
Entries 46
Mean 0.009482
Std Dev 0.815
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

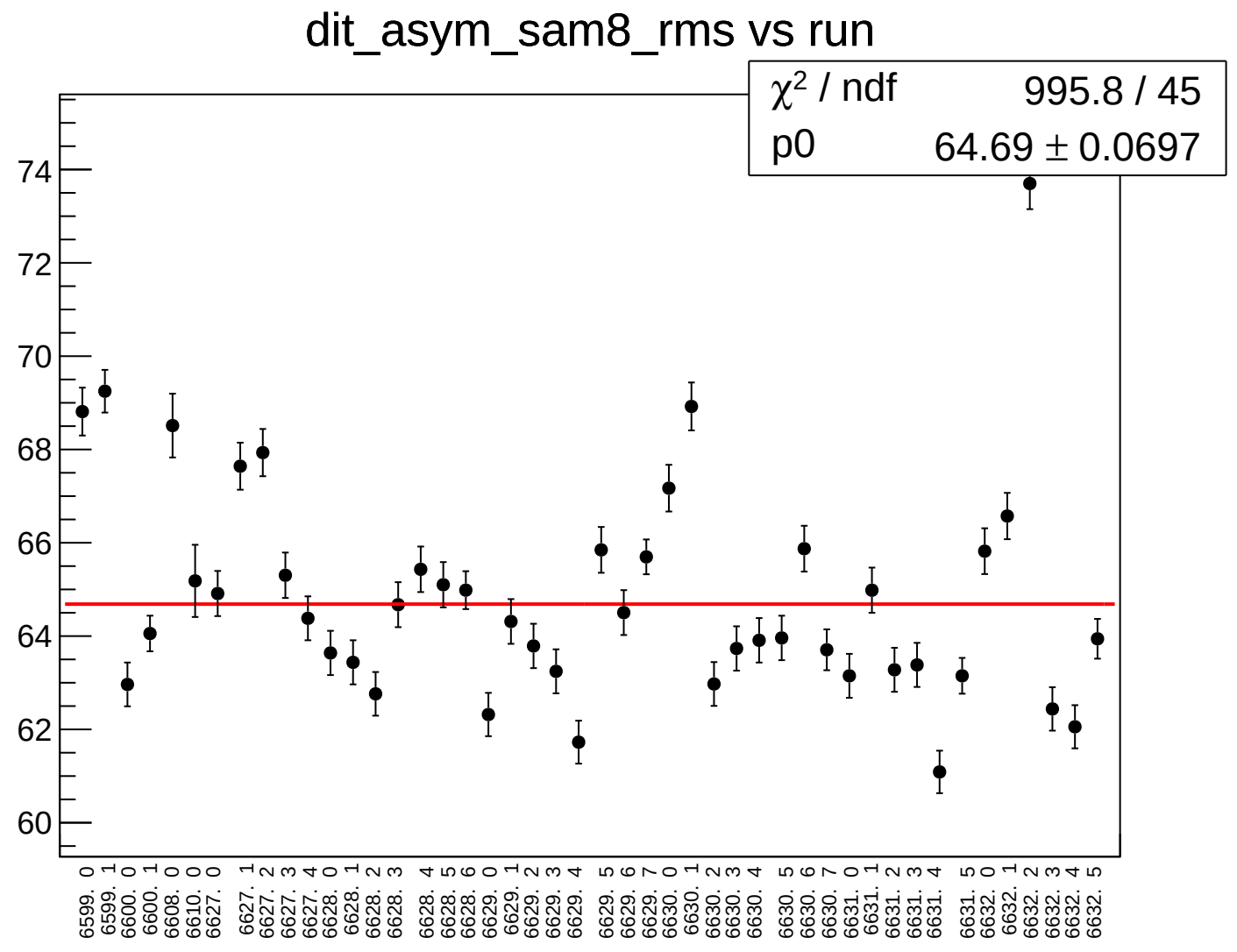

asym_sam7_correction_rms vs run
χ² / ndf 6559 / 45
p0 274.5 ± 0.2967
340
320
300
280
260
240
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

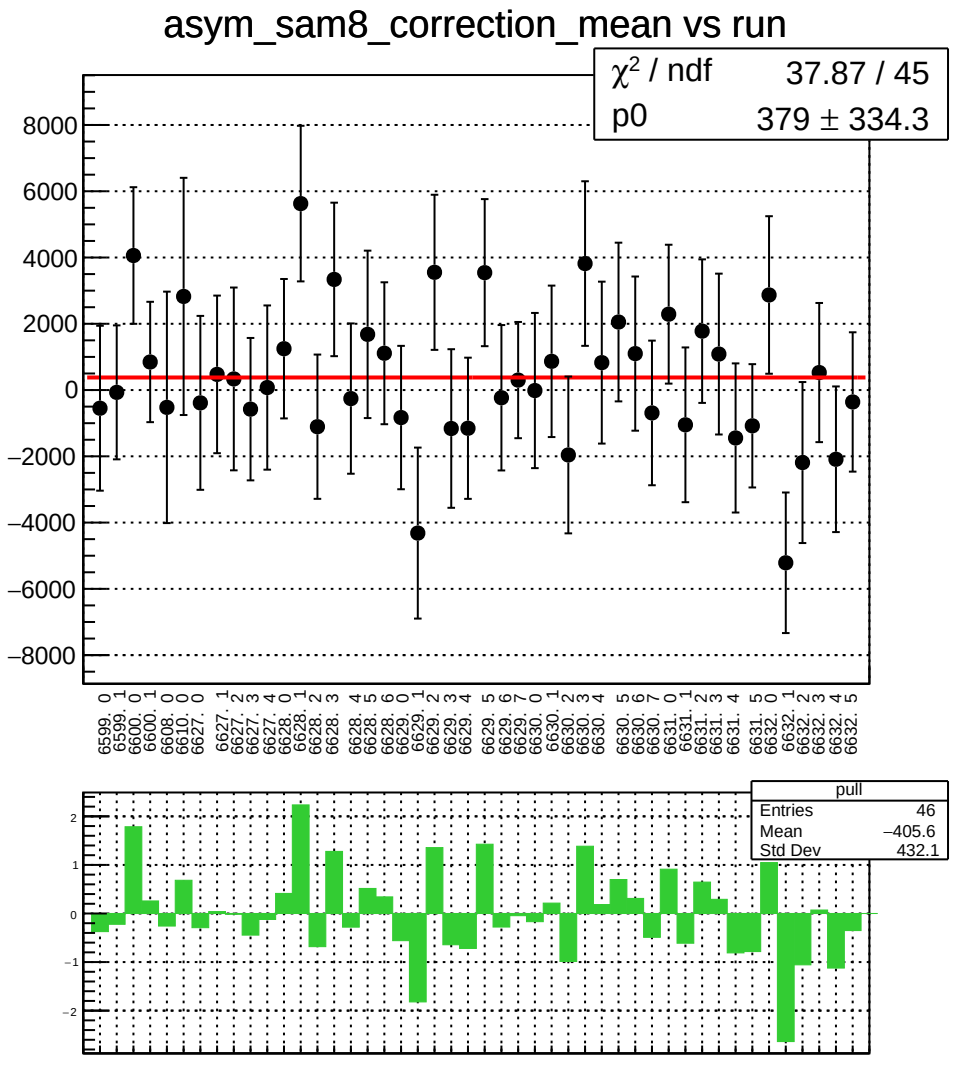

asym_sam7_mean vs run
χ² / ndf 25.81 / 45
p0 −582.1 ± 441.8
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −451.4
Std Dev 476.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

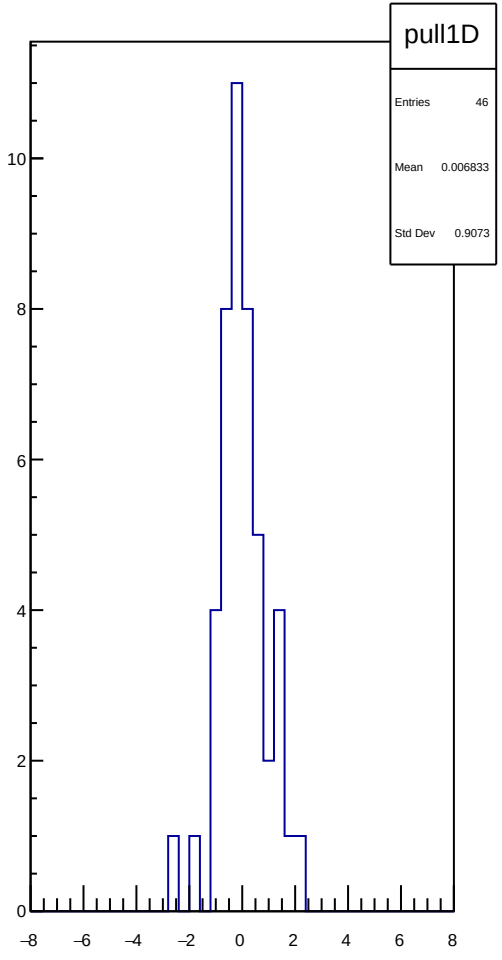

pull1D
Entries 46
Mean −0.005369
Std Dev 0.7491
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

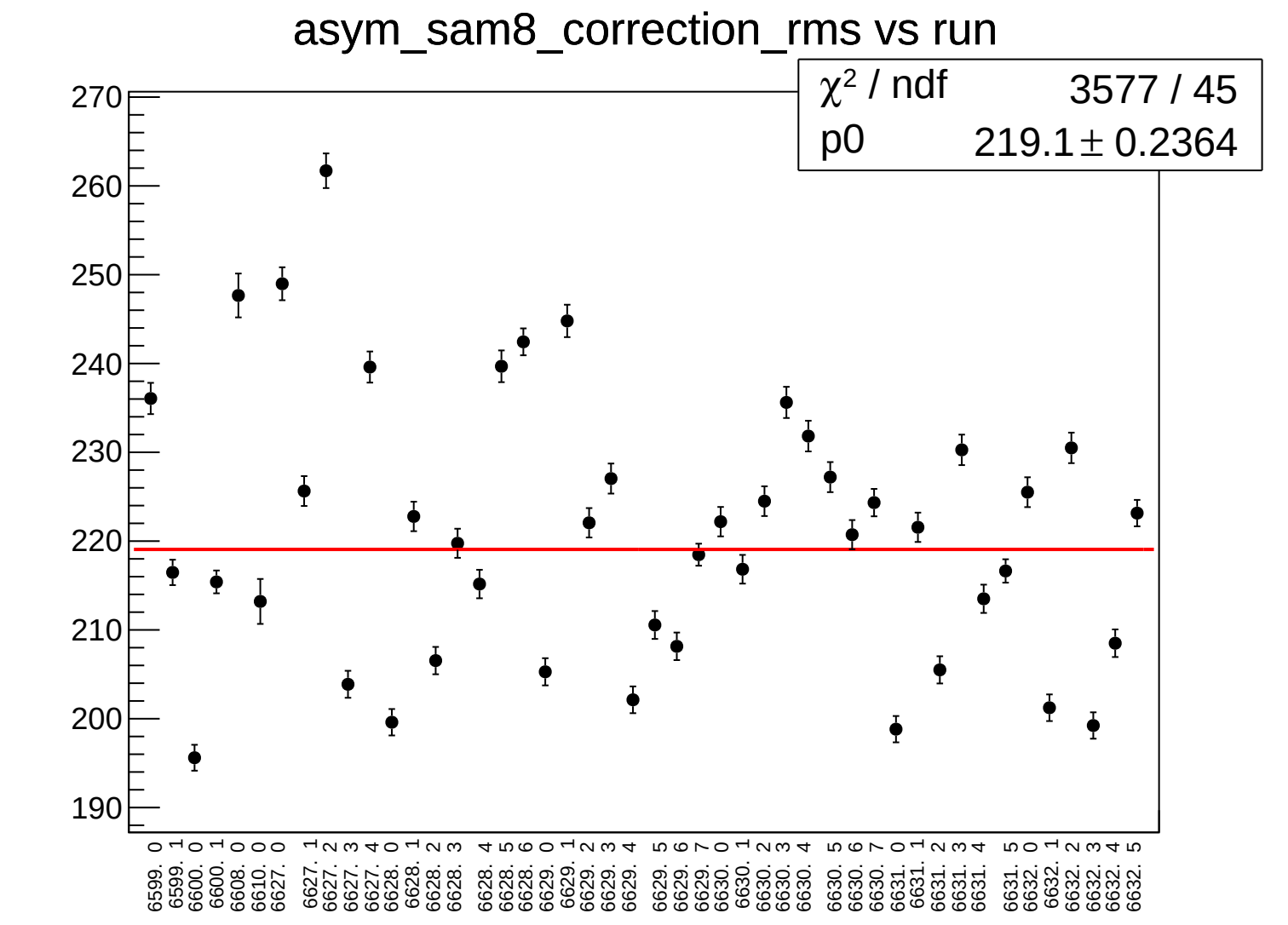

asym_sam7_rms vs run
χ² / ndf 7425 / 45
p0 288.8 ± 0.3124
360
340
320
300
280
260
240
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

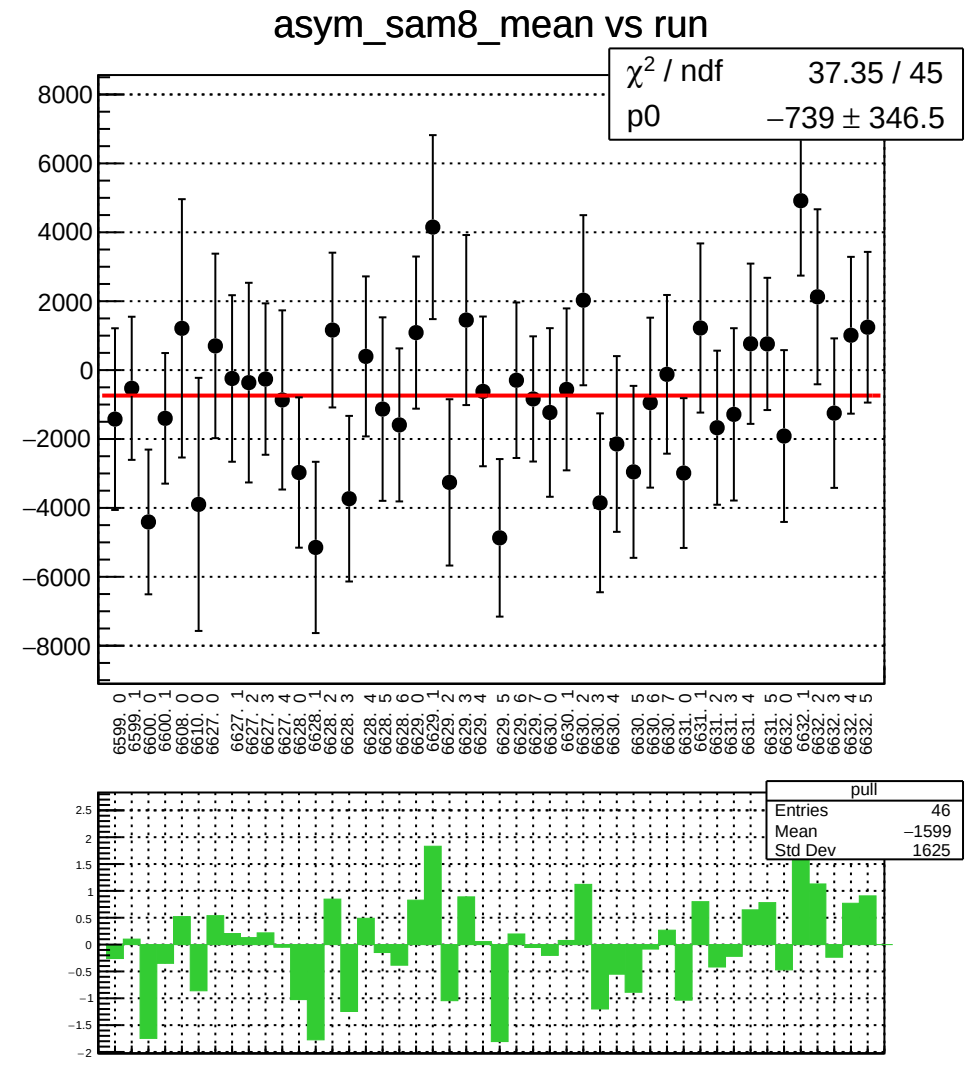

dit_asym_sam8_mean vs run
χ² / ndf 45.67 / 45
p0 −345.1± 98.57
2000
1000
0
−1000
−2000
−3000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 276.9
Std Dev 253.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.006131
Std Dev 0.9964
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

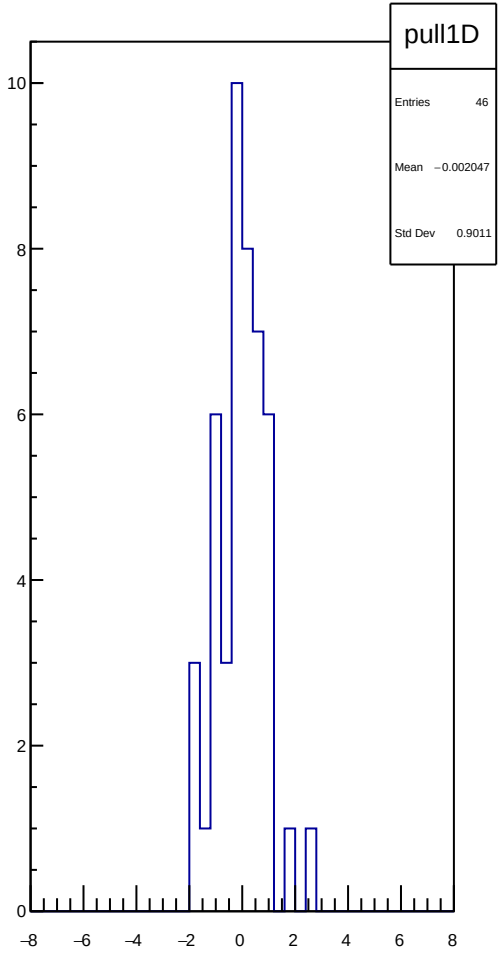

dit_asym_sam8_rms vs run
χ² / ndf 995.8 / 45
p0 64.69 ± 0.0697
74
72
70
68
66
64
62
60
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

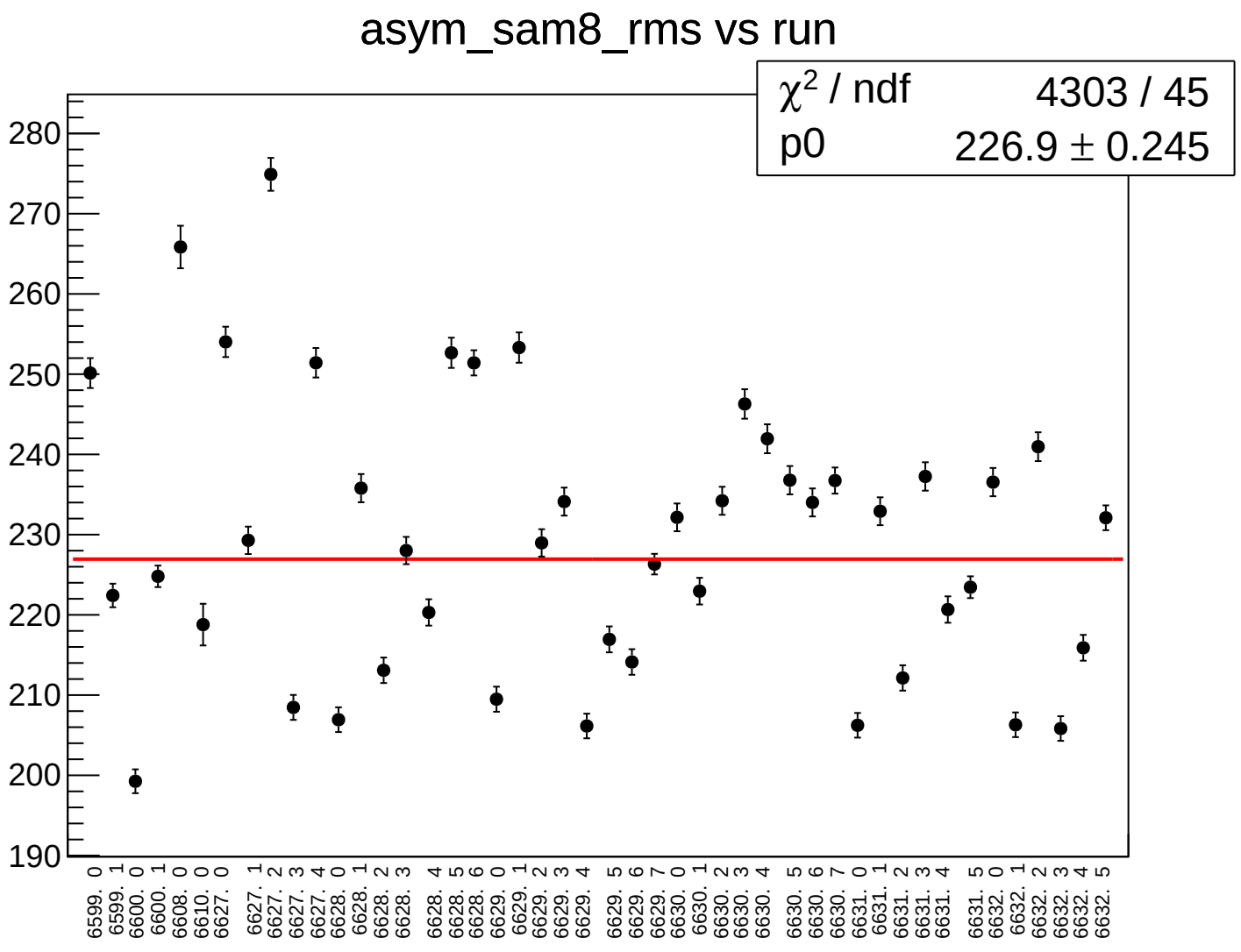

asym_sam8_correction_mean vs run
χ² / ndf 37.87 / 45
p0 379 ± 334.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −405.6
Std Dev 432.1
2
1
0
−1
−2

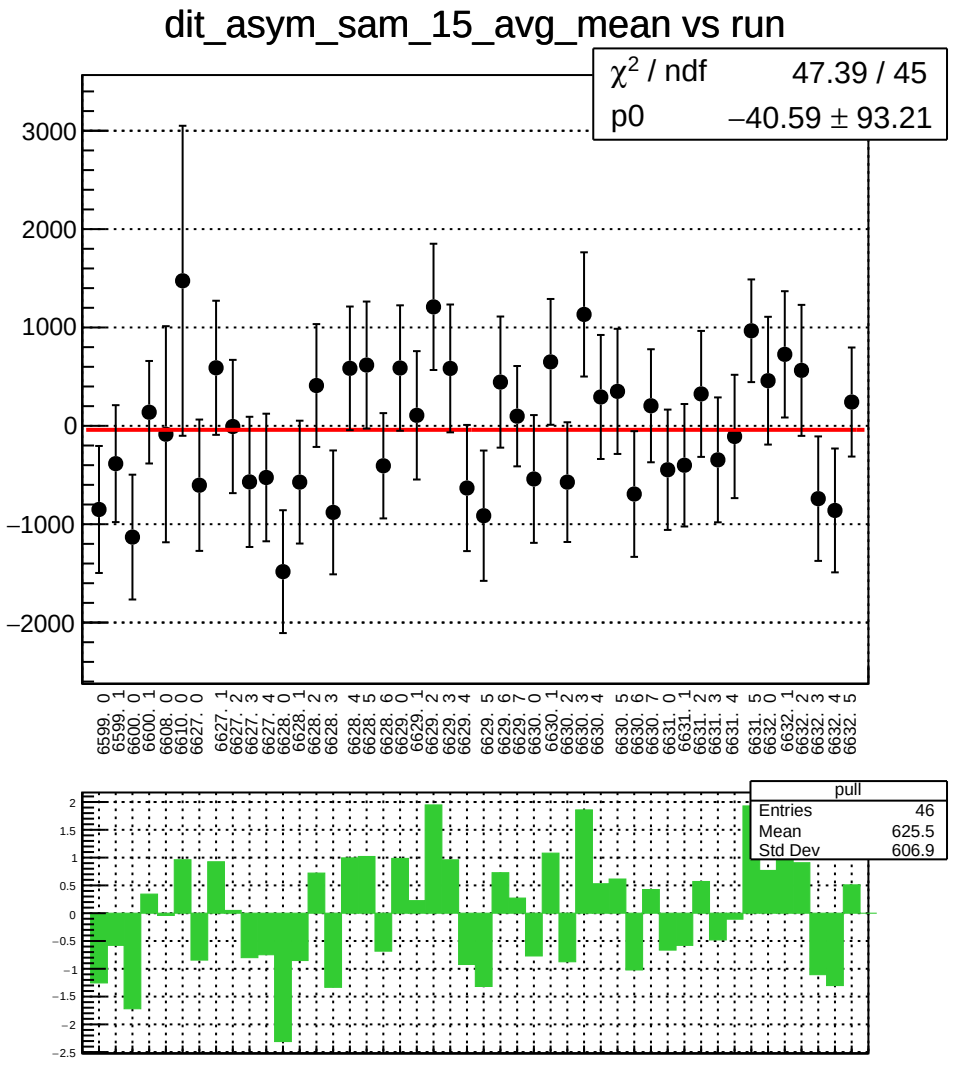

pull1D
Entries 46
Mean 0.006833
Std Dev 0.9073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

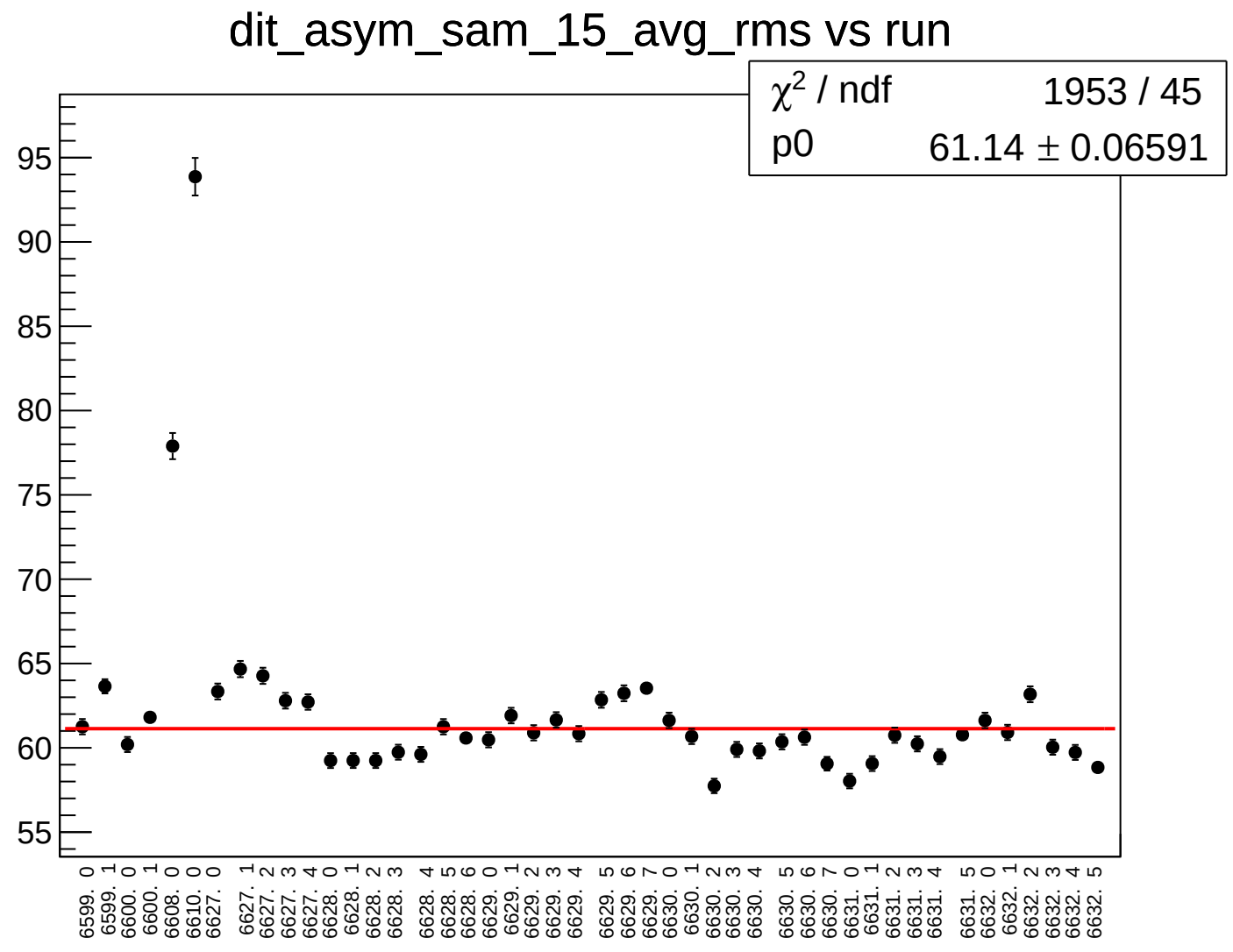

asym_sam8_correction_rms vs run
χ² / ndf 3577 / 45
p0 219.1 ± 0.2364
270
260
250
240
230
220
210
200
190
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

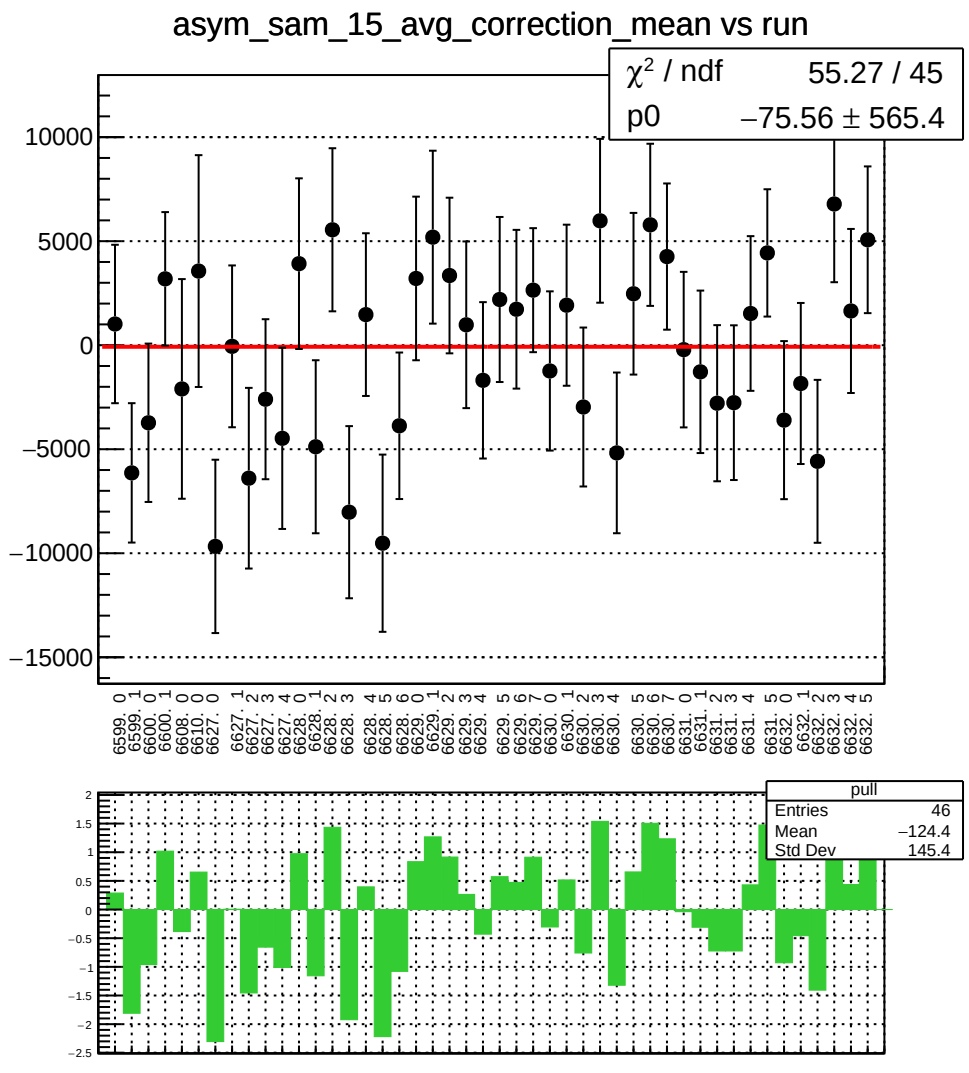

asym_sam8_mean vs run
χ² / ndf 37.35 / 45
p0 −739 ± 346.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −1599
Std Dev 1625
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

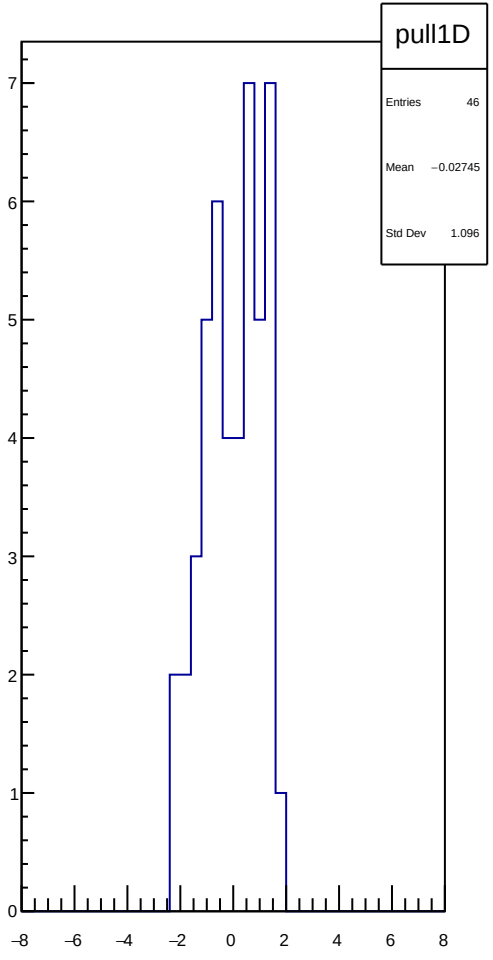

pull1D
Entries 46
Mean −0.002047
Std Dev 0.9011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

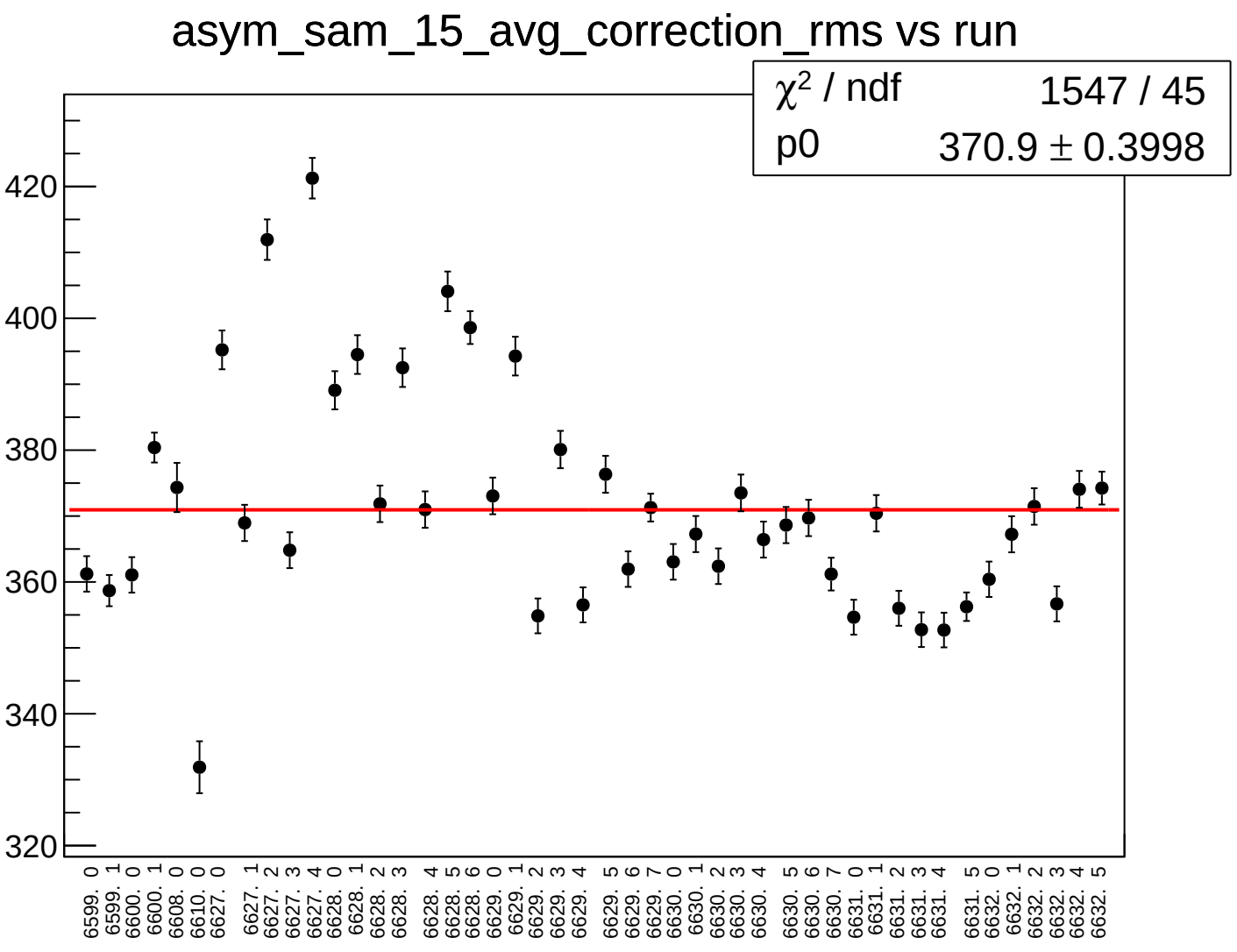

asym_sam8_rms vs run
χ^2 / ndf 4303 / 45
p0 226.9 ± 0.245
280
270
260
250
240
230
220
210
200
190
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

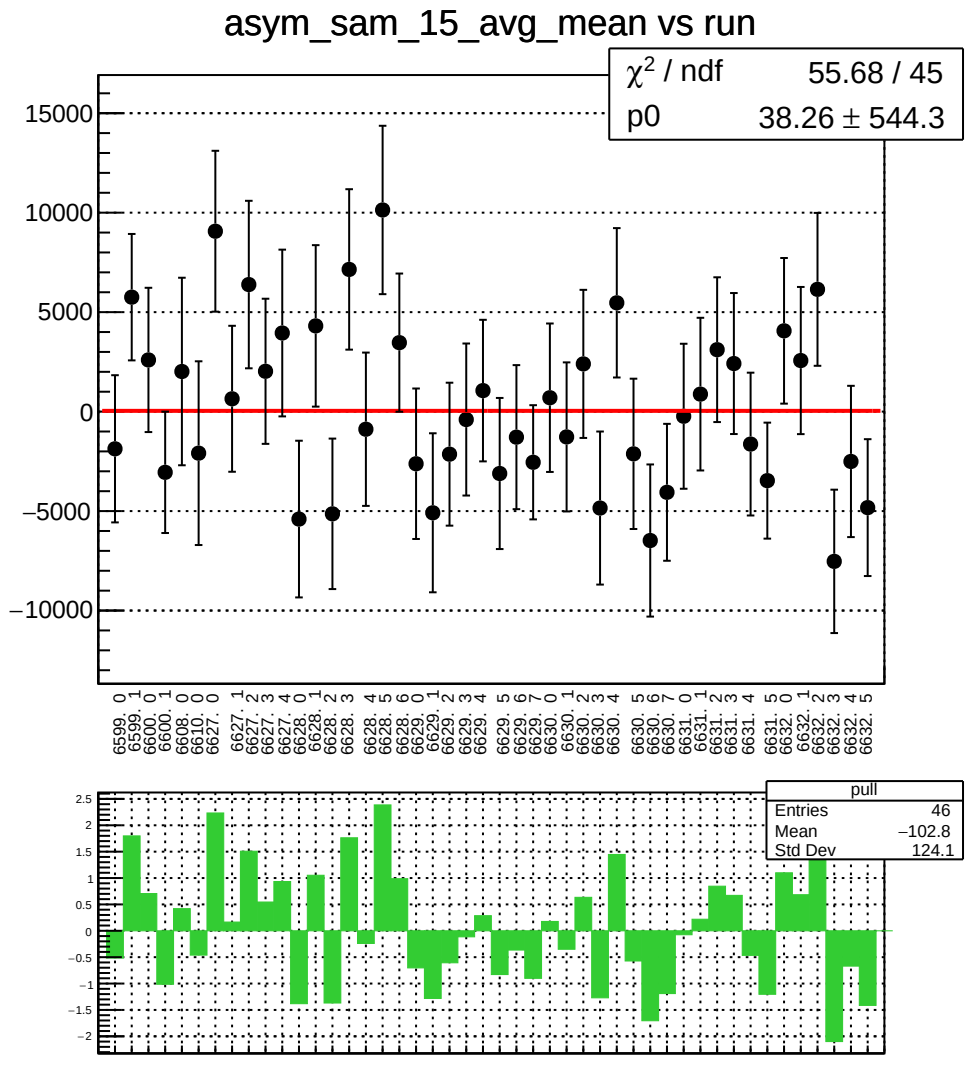

dit_asym_sam_15_avg_mean vs run
χ² / ndf 47.39 / 45
p0 −40.59 ± 93.21
3000
2000
1000
0
−1000
−2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 625.5
Std Dev 606.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean 0.004882
Std Dev 1.015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

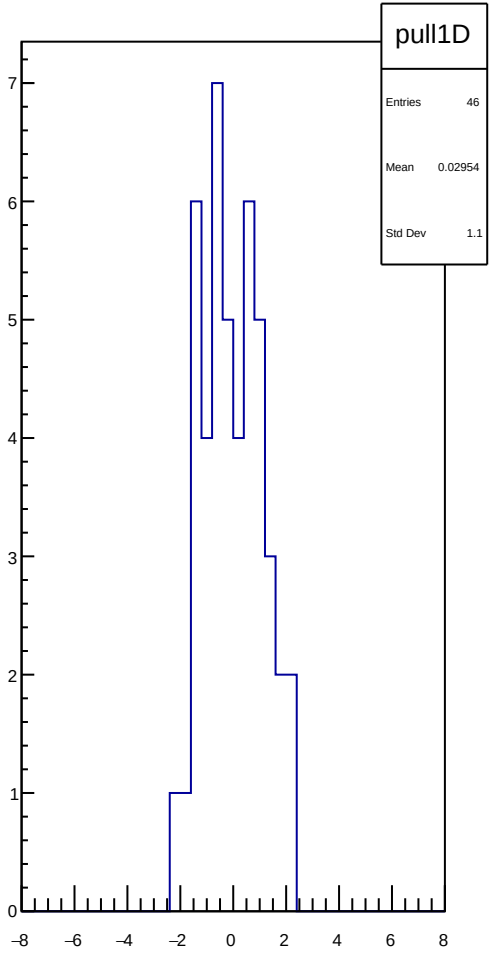

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1953 / 45
p0 61.14 ± 0.06591
95
90
85
80
75
70
65
60
55
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

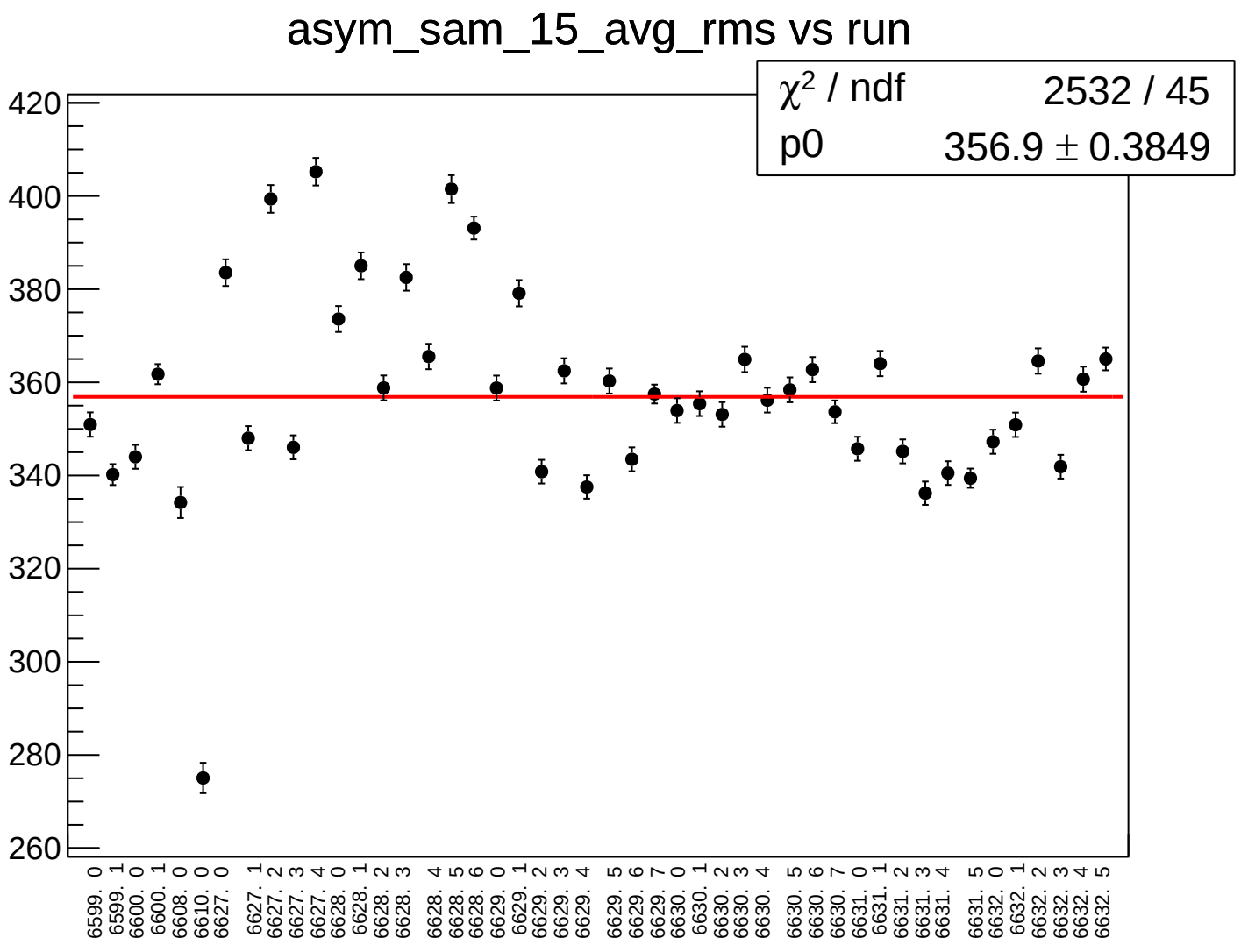

asym_sam_15_avg_correction_mean vs run
χ² / ndf 55.27 / 45
p0 −75.56 ± 565.4
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −124.4
Std Dev 145.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

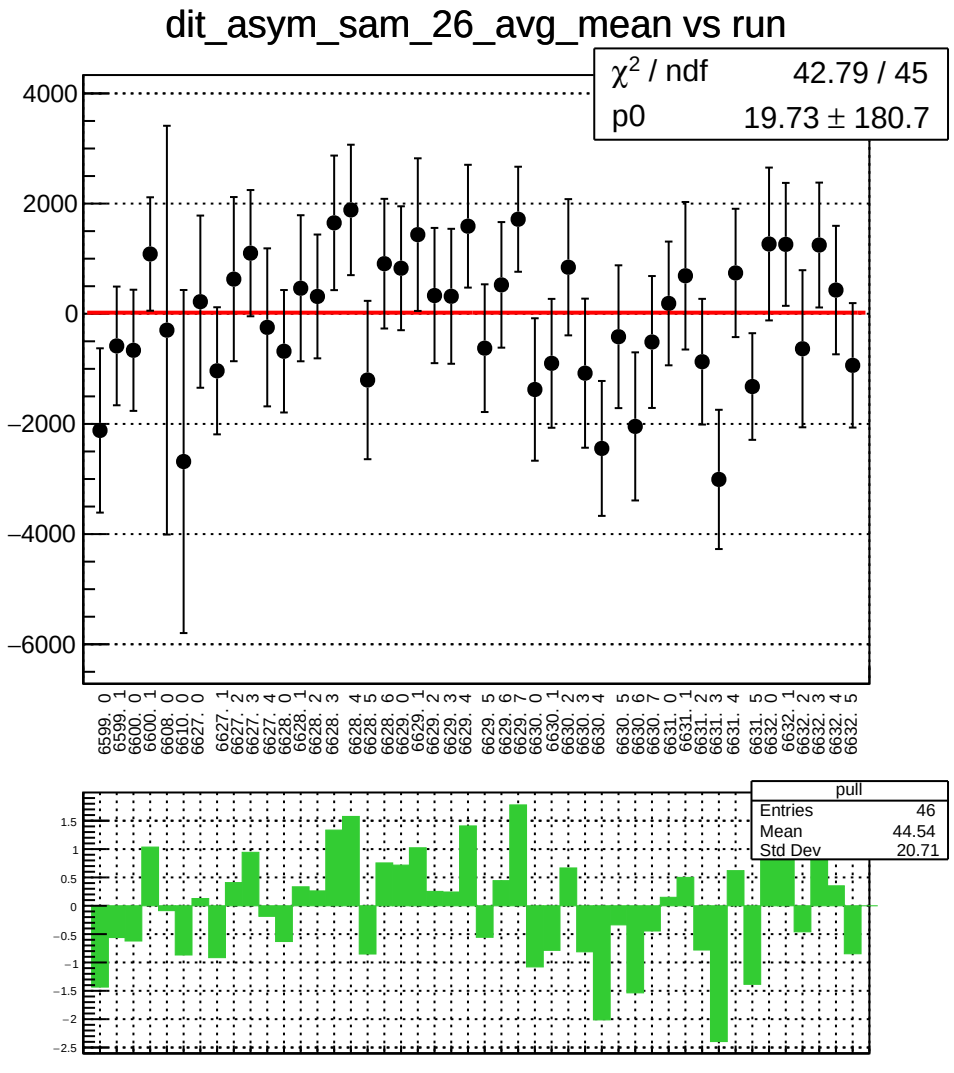

pull1D
Entries 46
Mean −0.02745
Std Dev 1.096
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

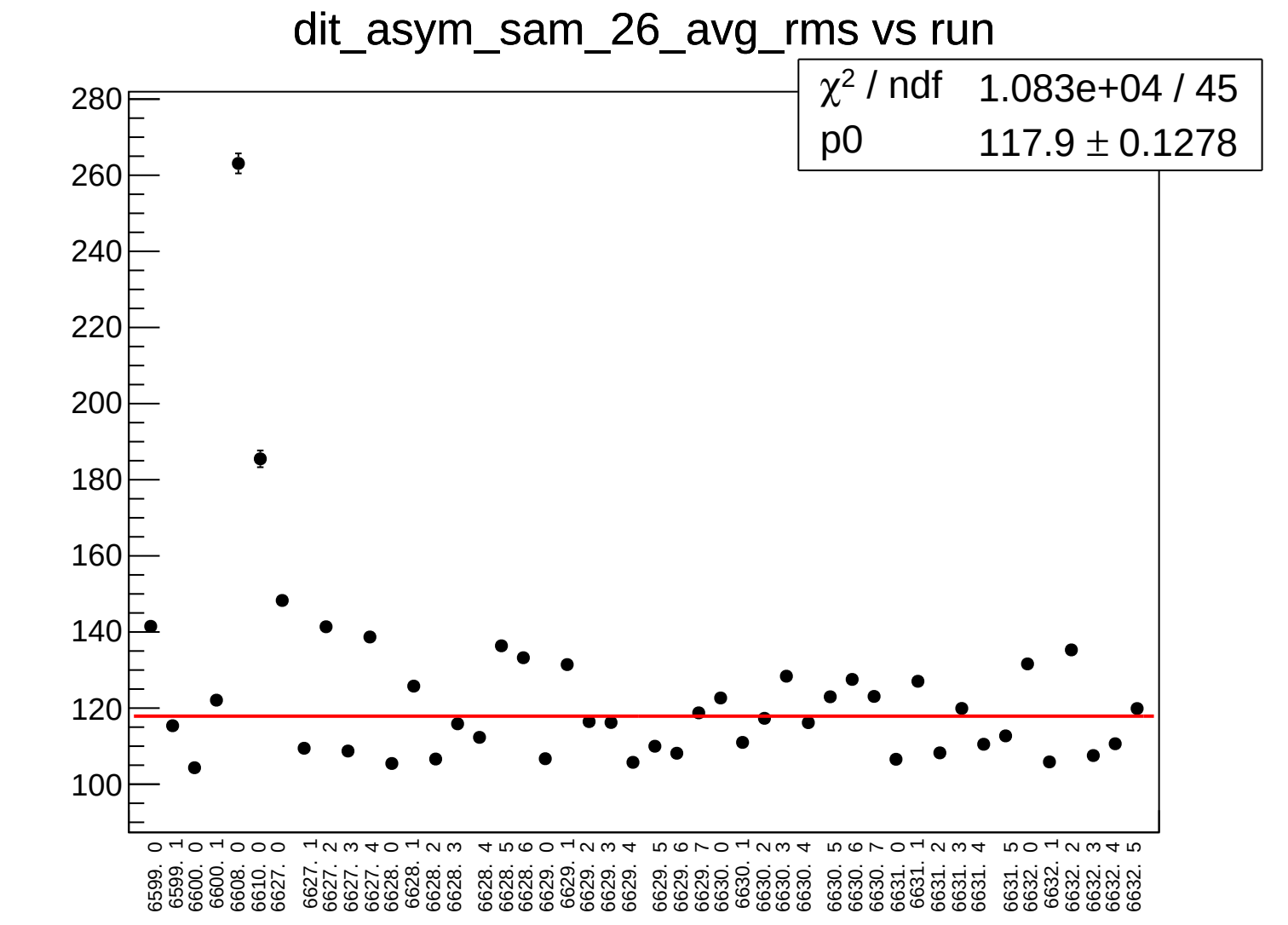

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1547 / 45
p0 370.9 ± 0.3998
420
400
380
360
340
320
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

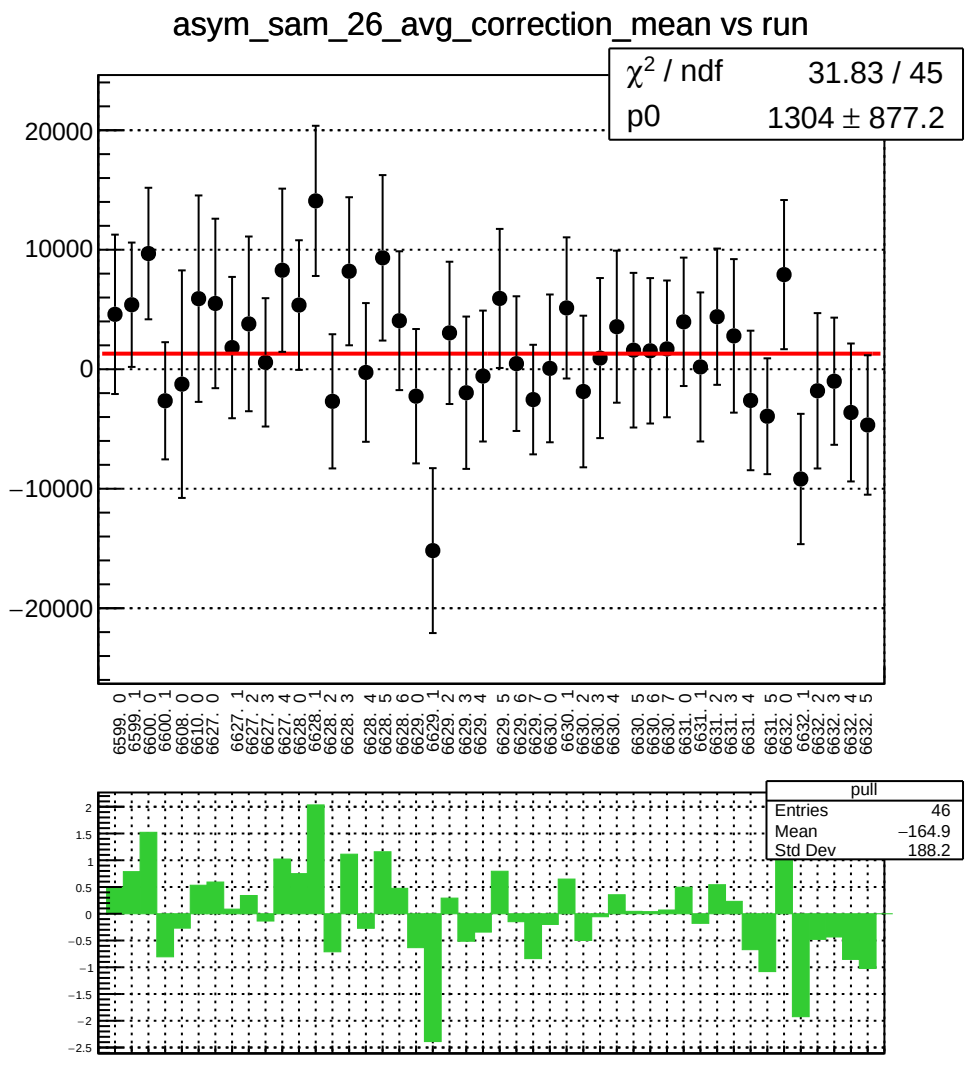

asym_sam_15_avg_mean vs run
χ² / ndf 55.68 / 45
p0 38.26 ± 544.3
15000
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −102.8
Std Dev 124.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

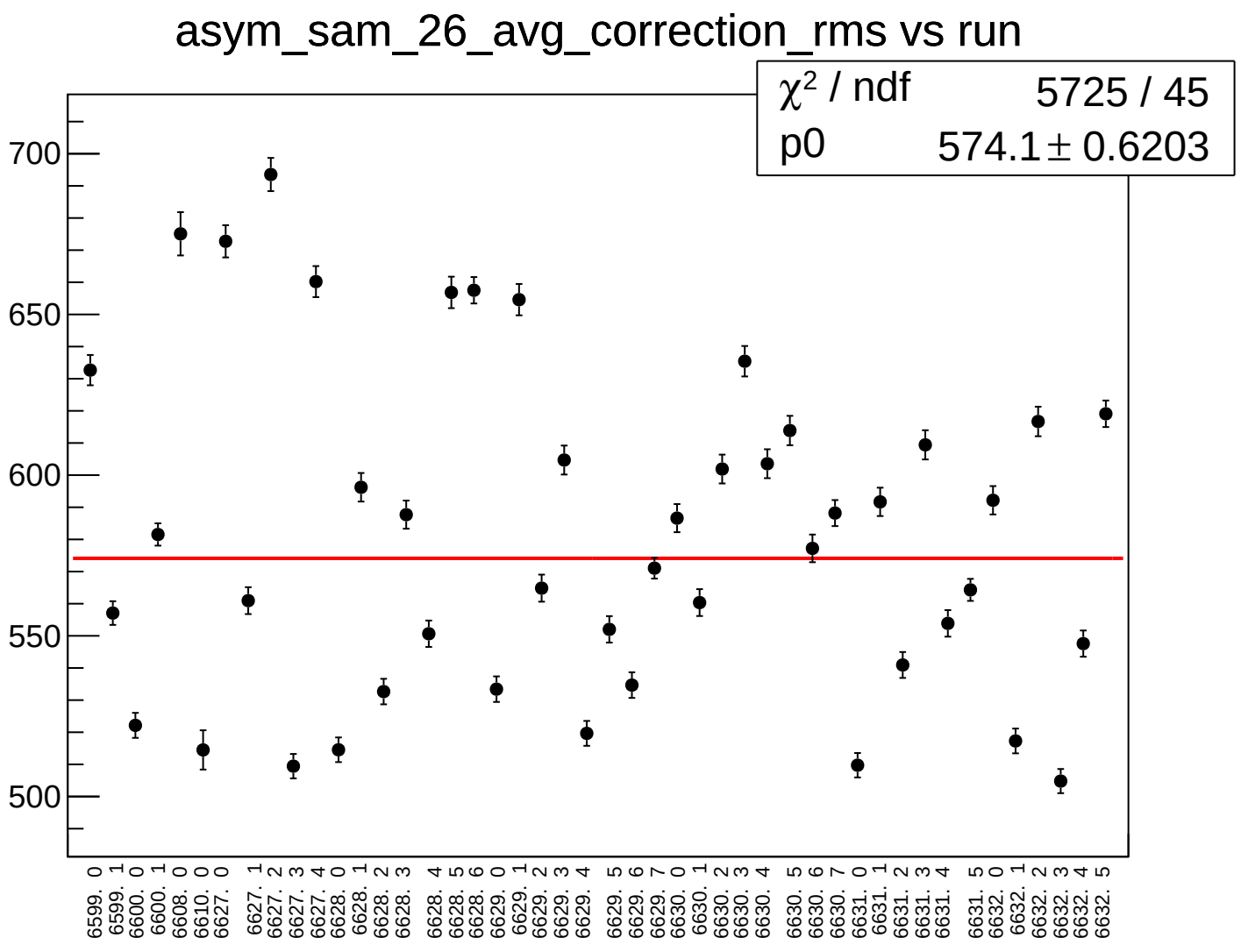

pull1D
Entries 46
Mean 0.02954
Std Dev 1.1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

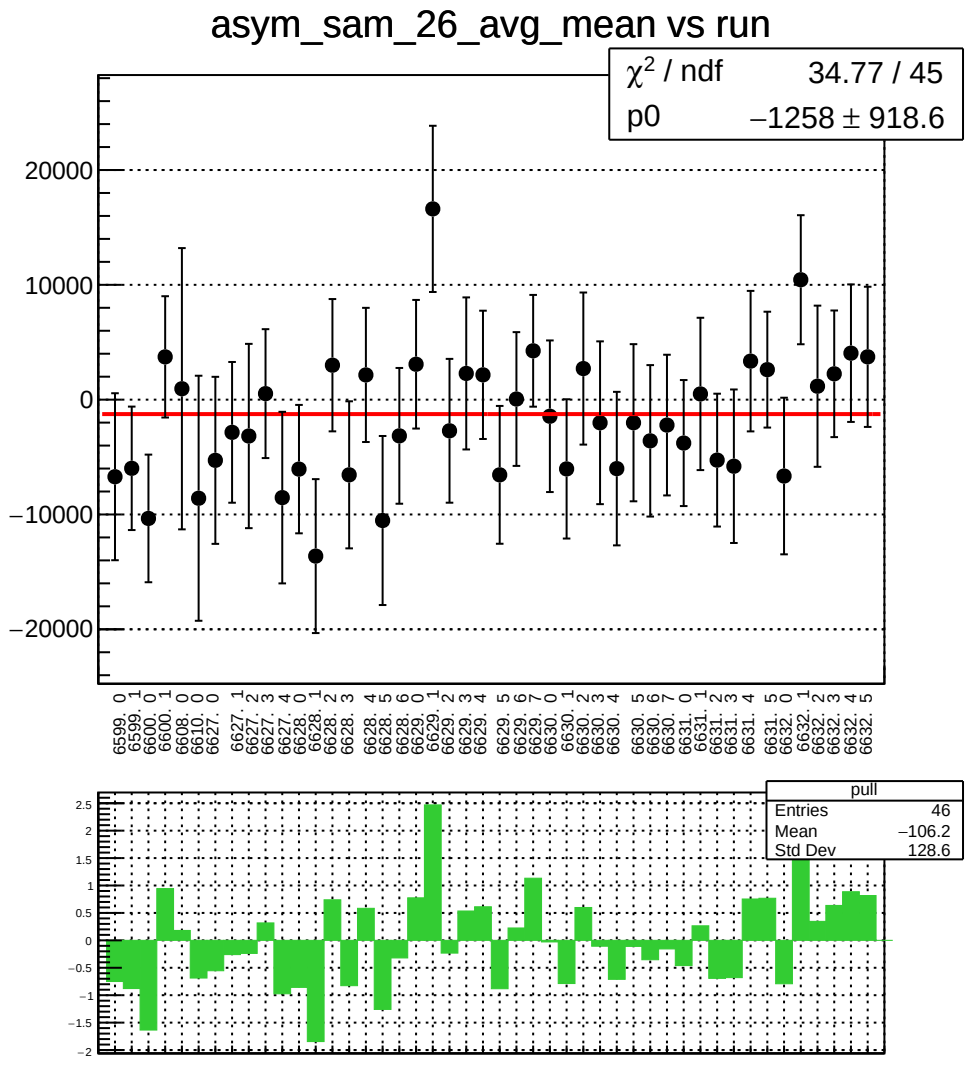

asym_sam_15_avg_rms vs run
χ² / ndf 2532 / 45
p0 356.9 ± 0.3849
420
400
380
360
340
320
300
280
260
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

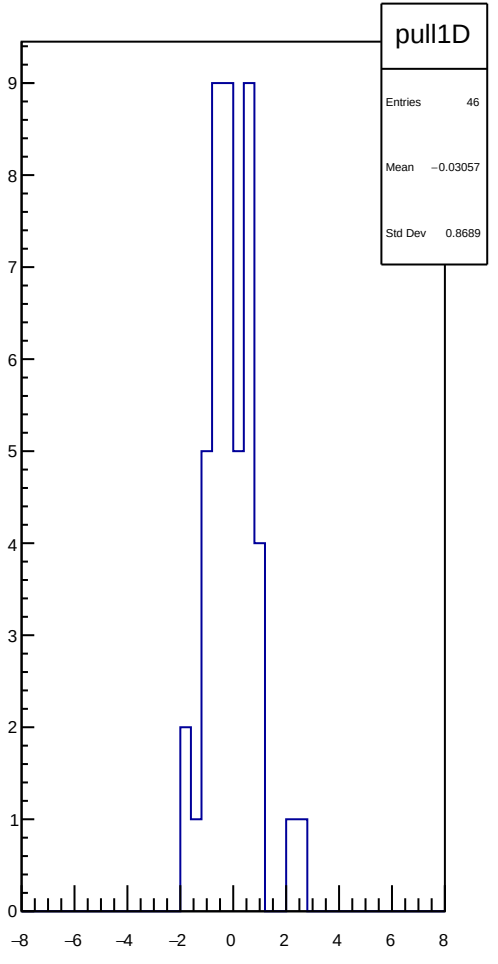

dit_asym_sam_26_avg_mean vs run
χ² / ndf 42.79 / 45
p0 19.73 ± 180.7
4000
2000
0
−2000
−4000
−6000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 44.54
Std Dev 20.71
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.03378
Std Dev 0.9639
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

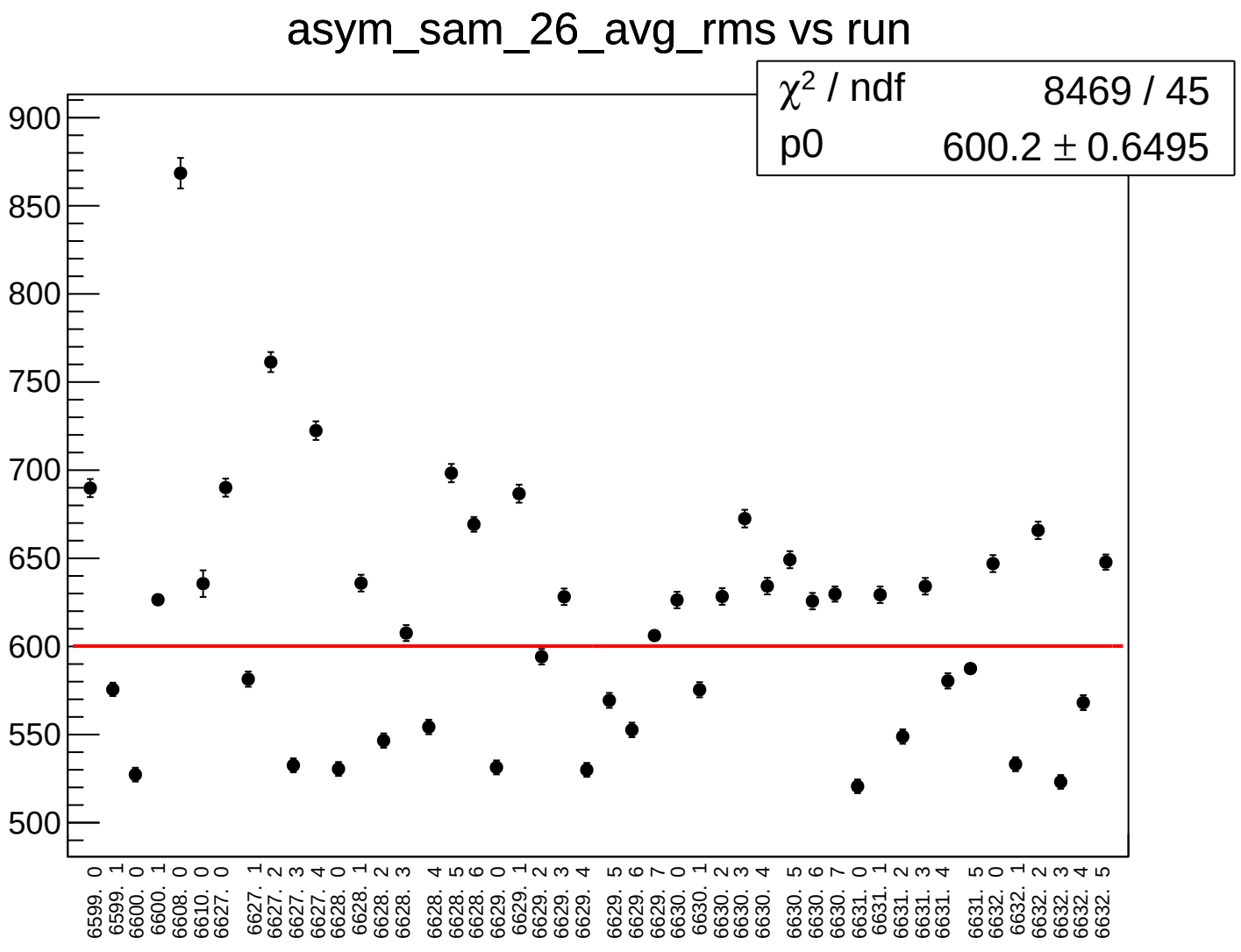

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.083e+04 / 45
p0 117.9 ± 0.1278
280
260
240
220
200
180
160
140
120
100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

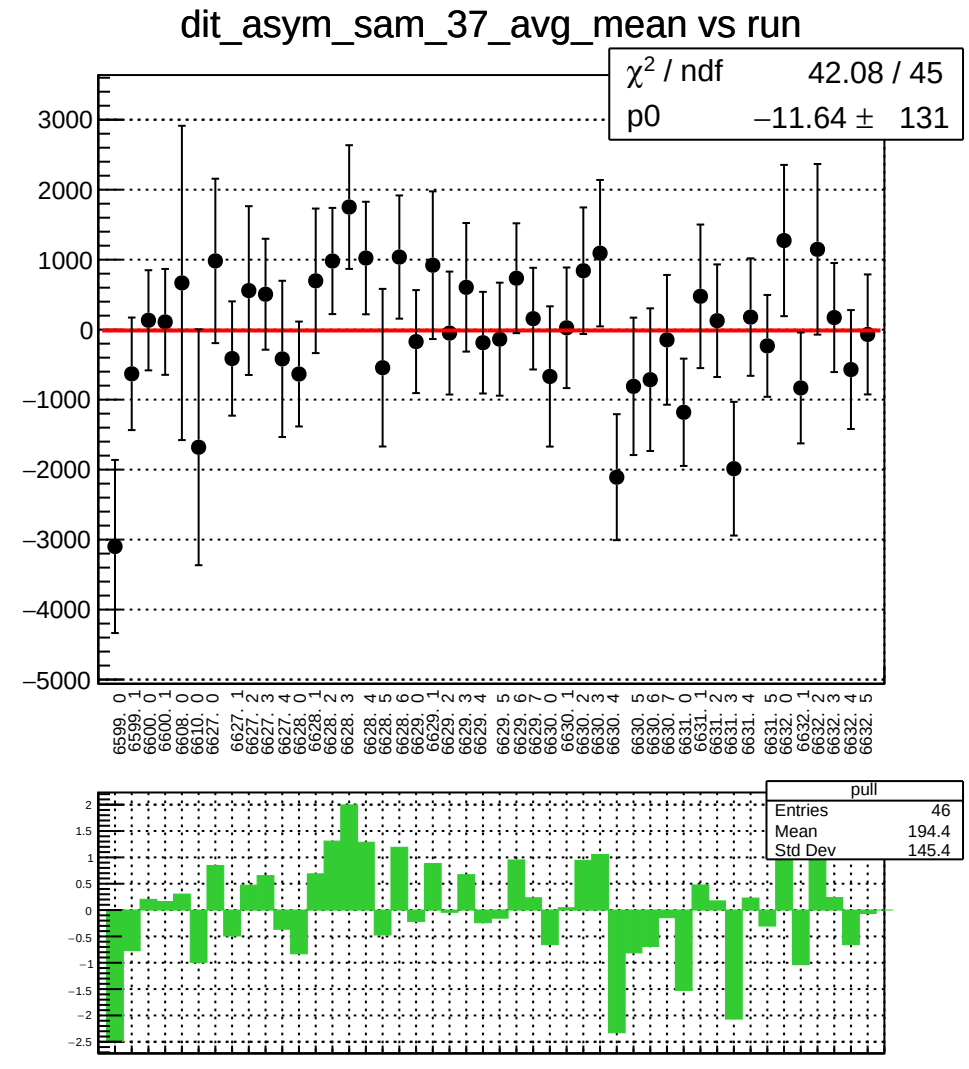

asym_sam_26_avg_correction_mean vs run
χ² / ndf 31.83 / 45
p0 1304 ± 877.2
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −164.9
Std Dev 188.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean 0.0224
Std Dev 0.8316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

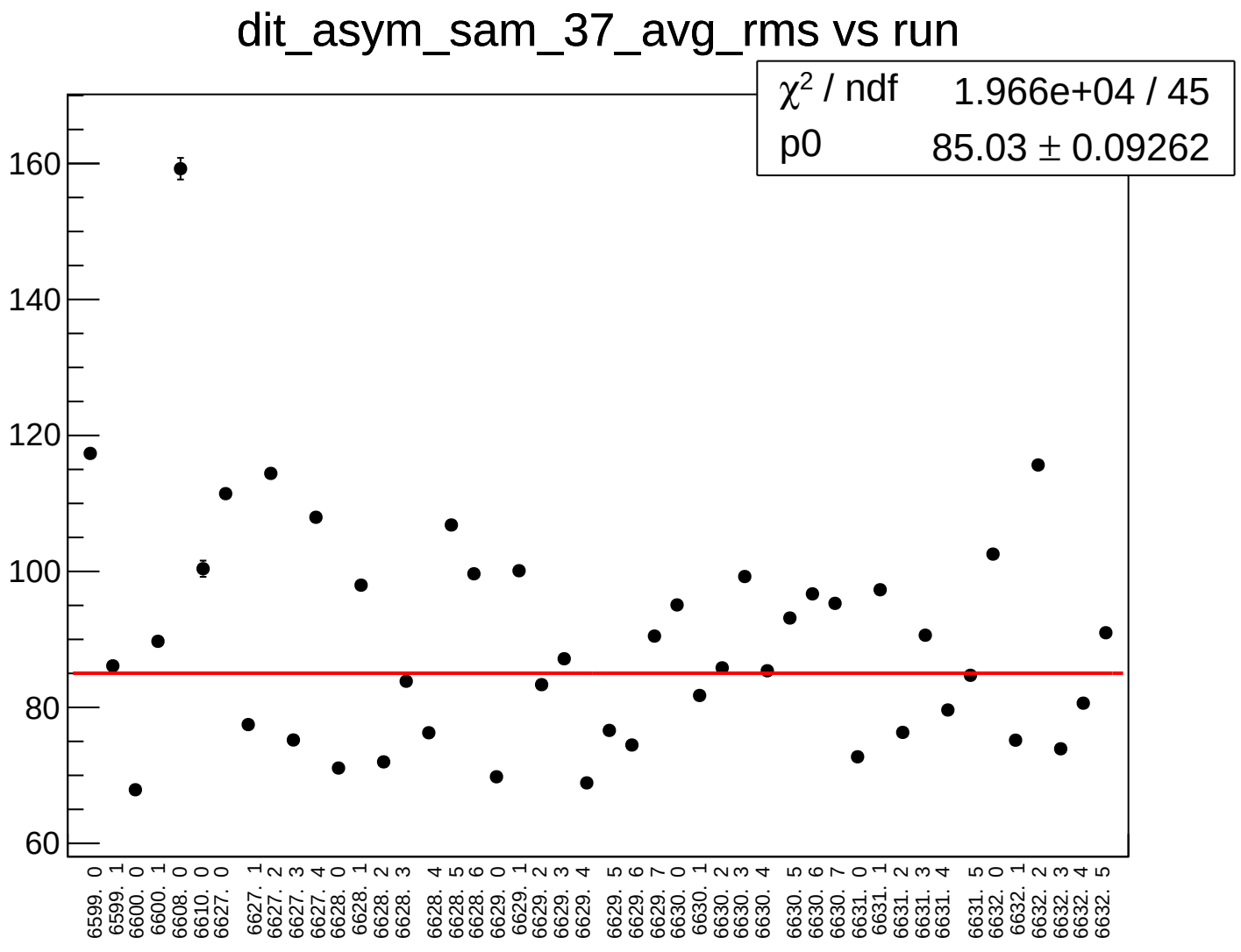

asym_sam_26_avg_correction_rms vs run
χ² / ndf 5725 / 45
p0 574.1 ± 0.6203
700
650
600
550
500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

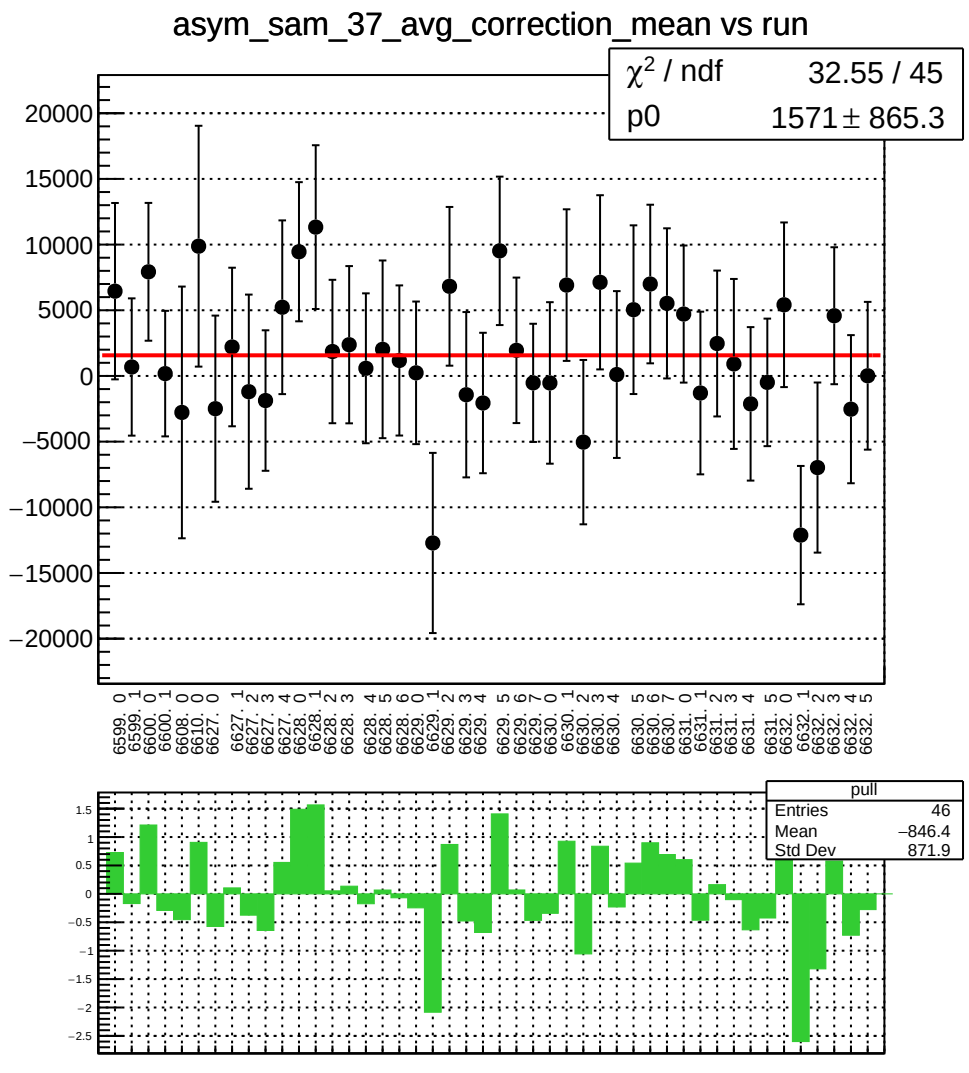

asym_sam_26_avg_mean vs run
χ² / ndf 34.77 / 45
p0 −1258 ± 918.6
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −106.2
Std Dev 128.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

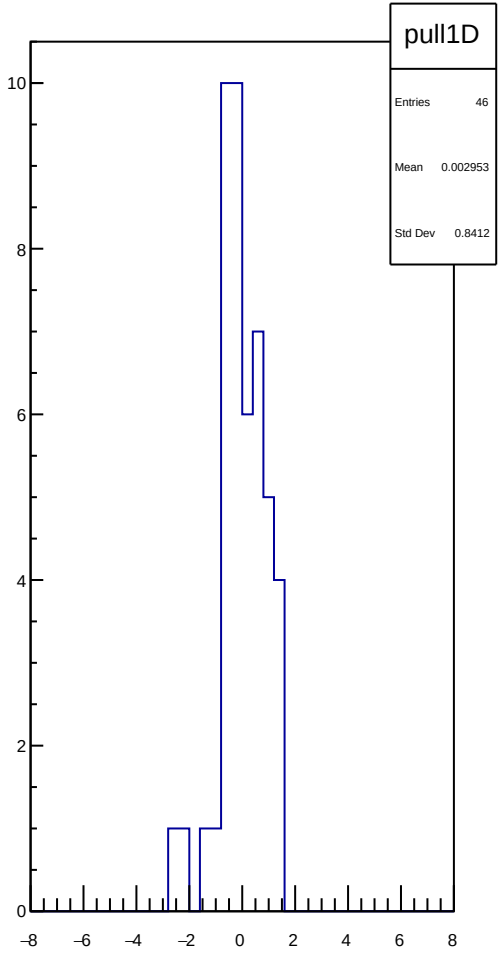

pull1D
Entries 46
Mean −0.03057
Std Dev 0.8689
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

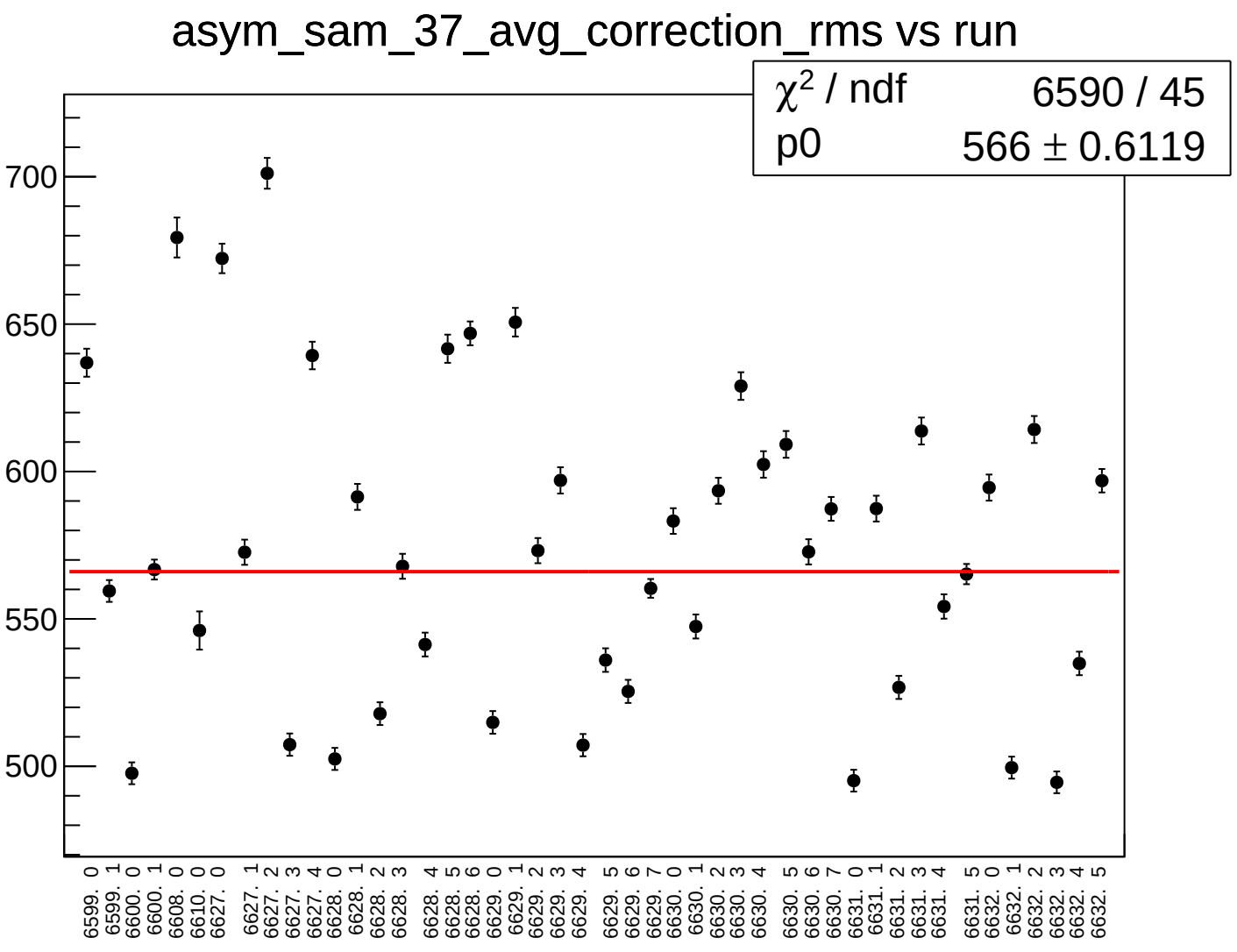

asym_sam_26_avg_rms vs run
χ² / ndf 8469 / 45
p0 600.2 ± 0.6495
900
850
800
750
700
650
600
550
500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

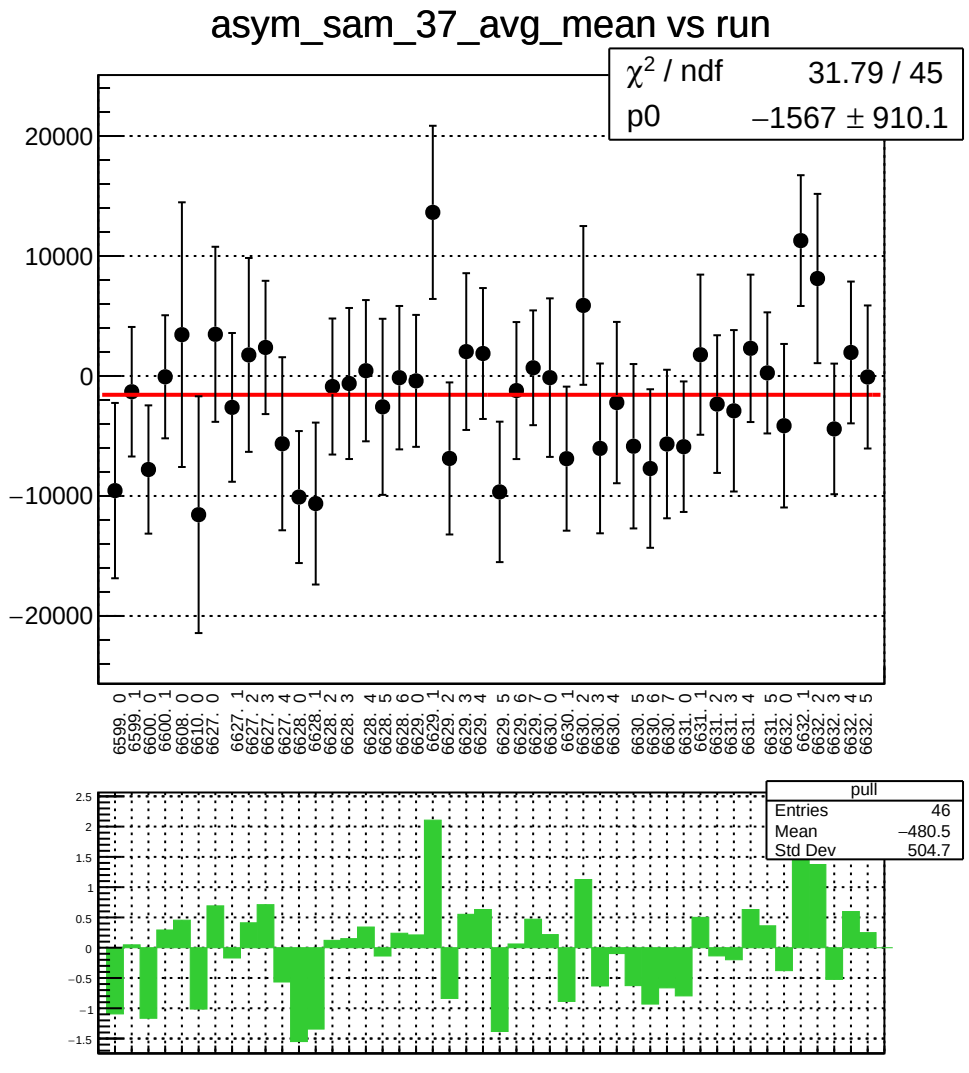

dit_asym_sam_37_avg_mean vs run
χ² / ndf 42.08 / 45
p0 −11.64 ± 131
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 194.4
Std Dev 145.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.004475
Std Dev 0.9564
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

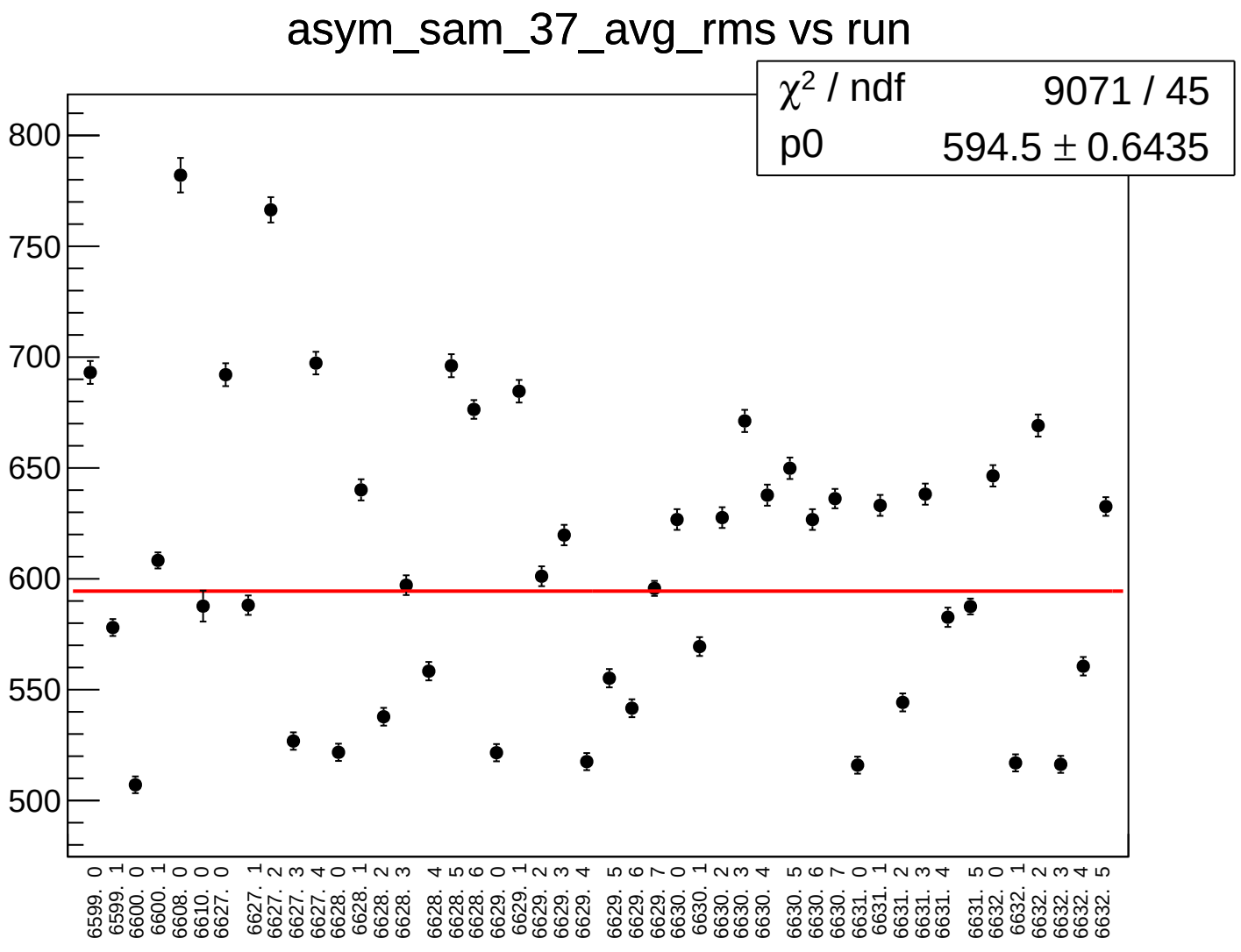

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.966e+04 / 45
p0 85.03 ± 0.09262
160
140
120
100
80
60
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

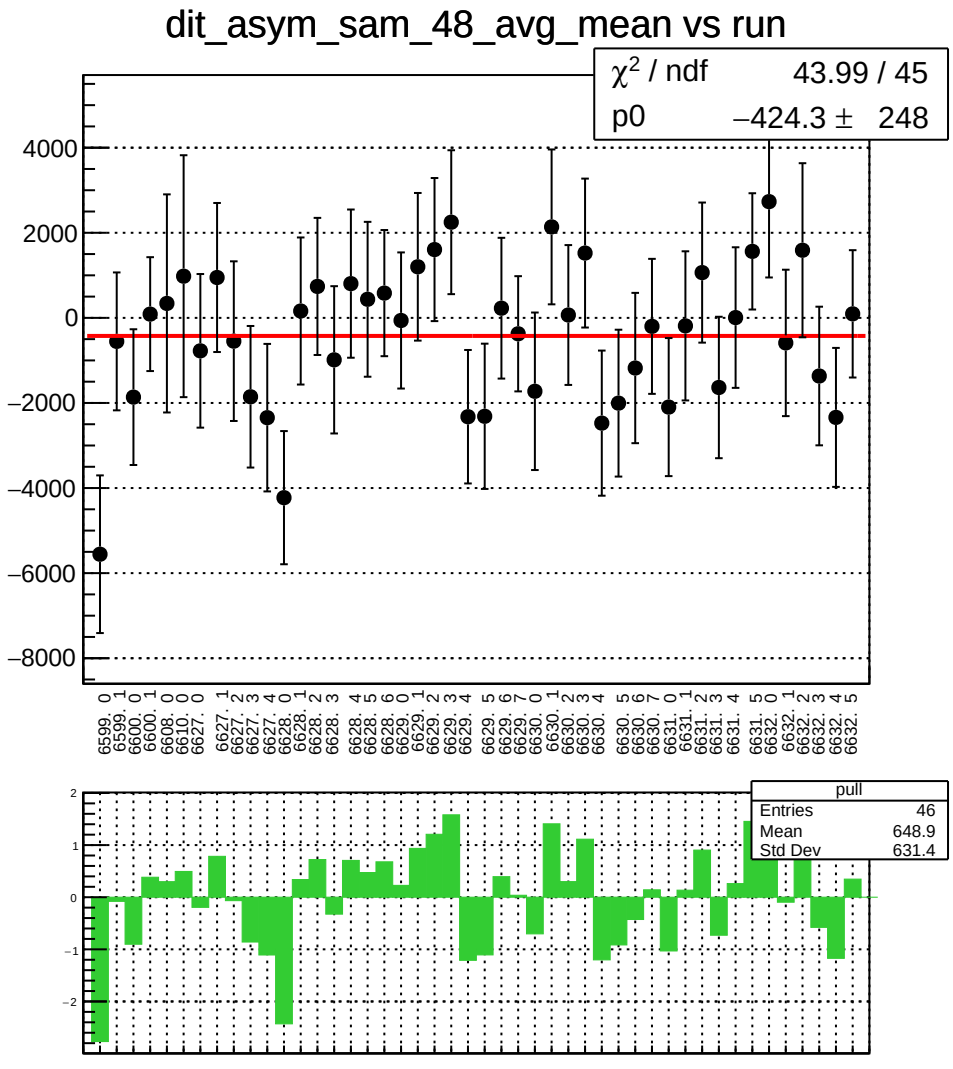

asym_sam_37_avg_correction_mean vs run
χ² / ndf 32.55 / 45
p0 1571 ± 865.3
pull
Entries 46
Mean −846.4
Std Dev 871.9

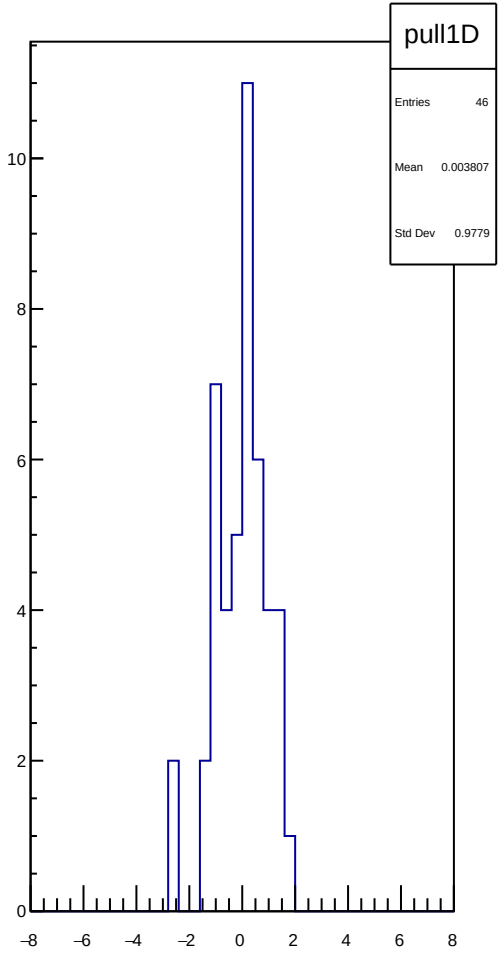

pull1D
Entries 46
Mean 0.002953
Std Dev 0.8412

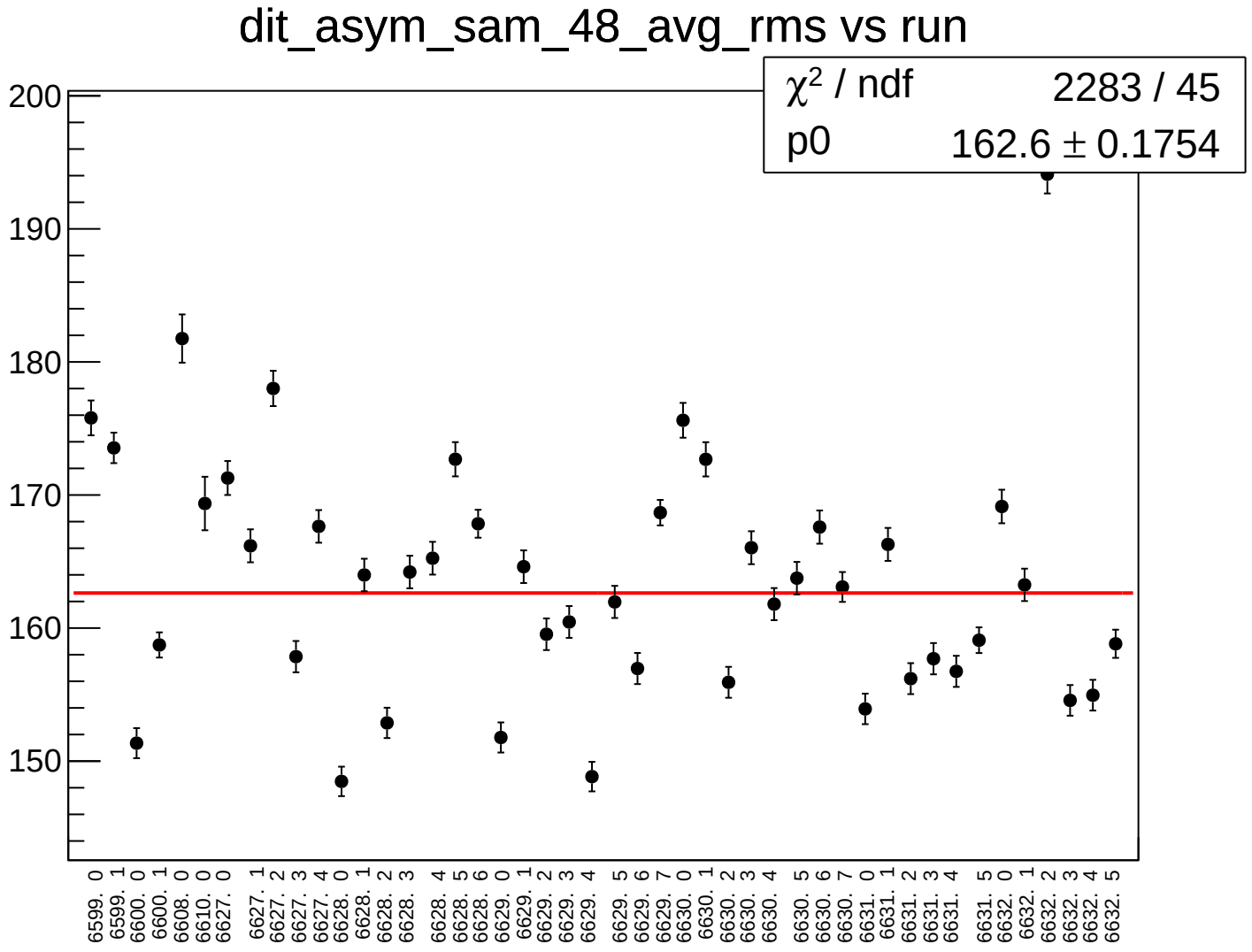

asym_sam_37_avg_correction_rms vs run
χ² / ndf 6590 / 45
p0 566 ± 0.6119
700
650
600
550
500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

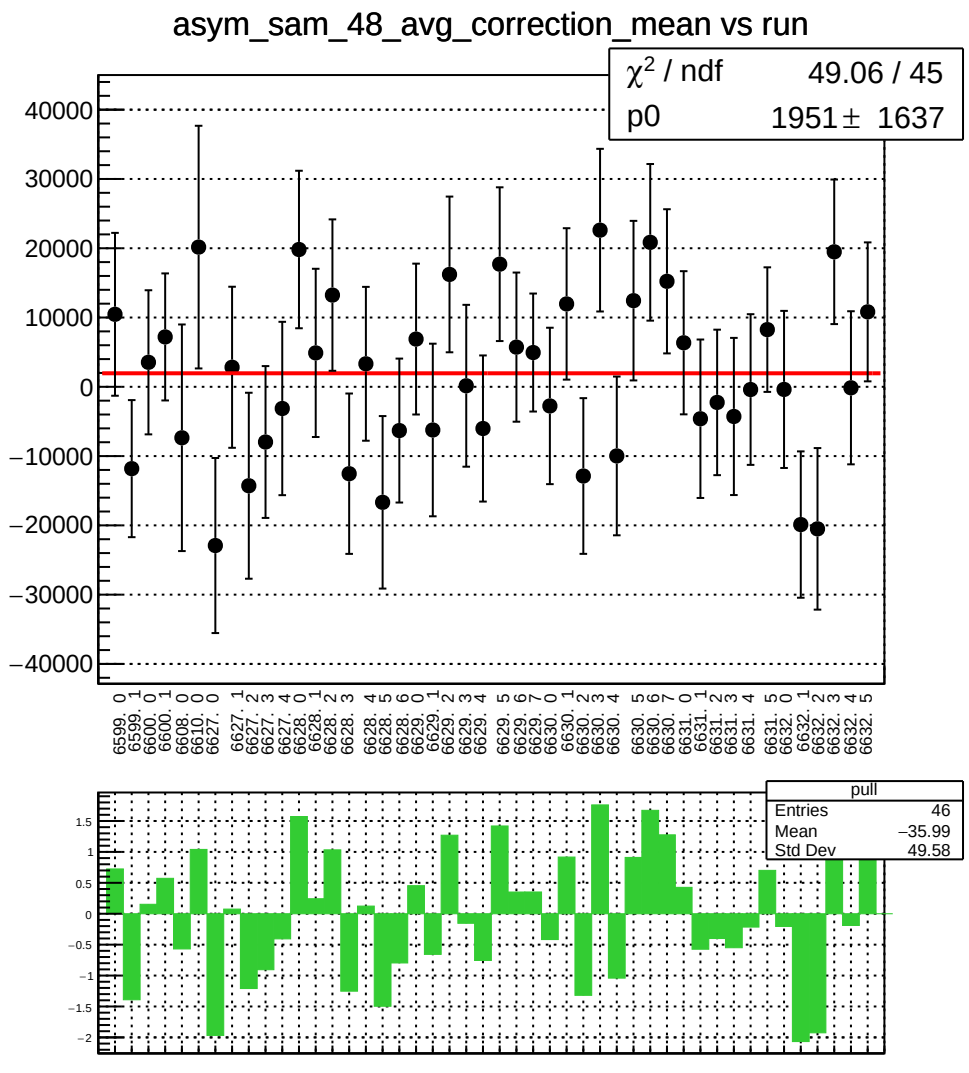

asym_sam_37_avg_mean vs run
χ^2 / ndf 31.79 / 45
p0 −1567 ± 910.1
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −480.5
Std Dev 504.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.004759
Std Dev 0.8313
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

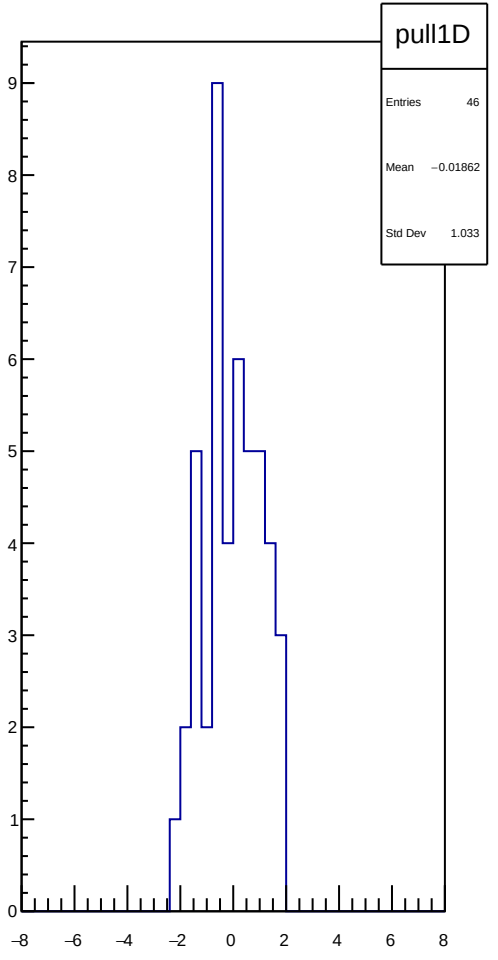

asym_sam_37_avg_rms vs run
χ^2 / ndf 9071 / 45
p0 594.5 ± 0.6435
800
750
700
650
600
550
500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

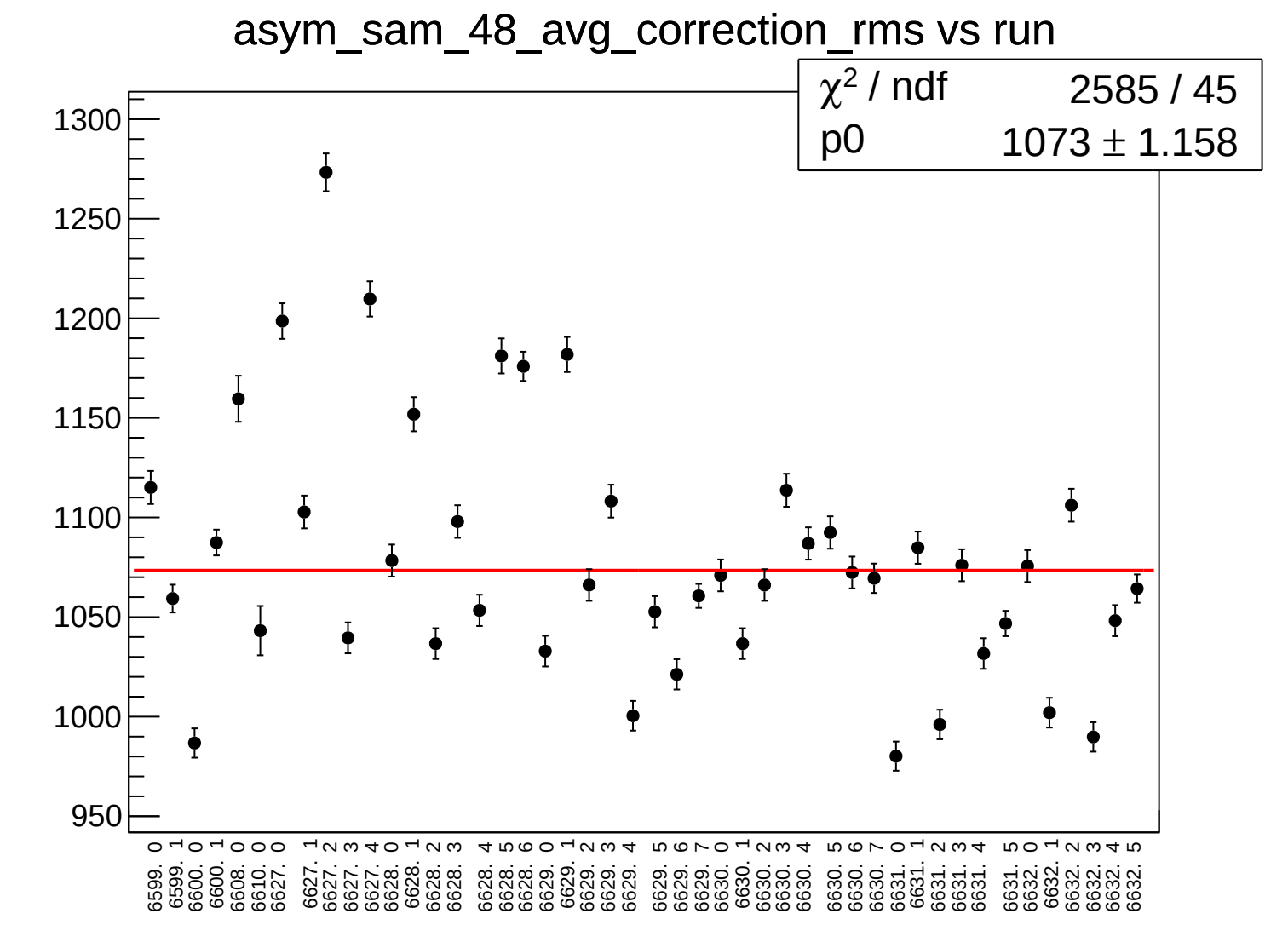

dit_asym_sam_48_avg_mean vs run
χ² / ndf 43.99 / 45
p0 −424.3 ± 248
4000
2000
0
−2000
−4000
−6000
−8000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 648.9
Std Dev 631.4
2
1
0
−1
−2

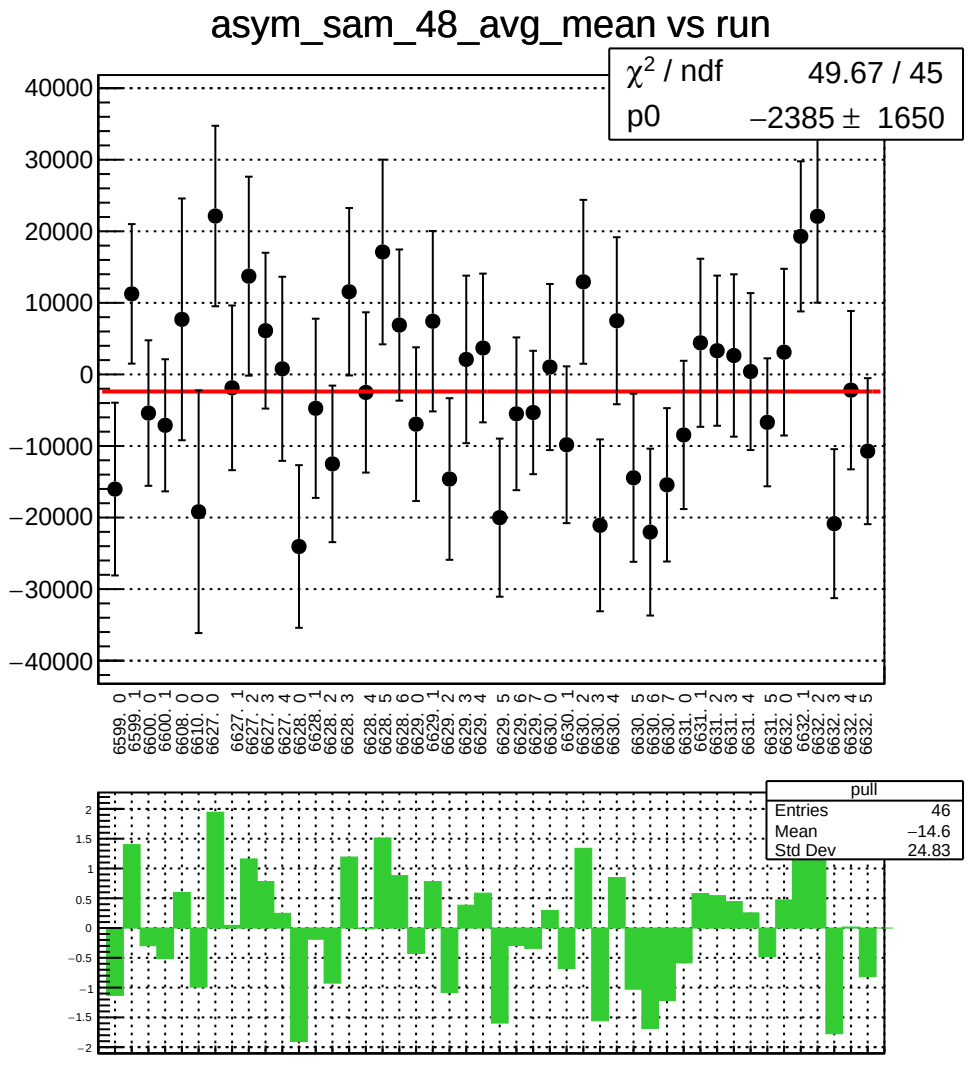

pull1D
Entries 46
Mean 0.003807
Std Dev 0.9779
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

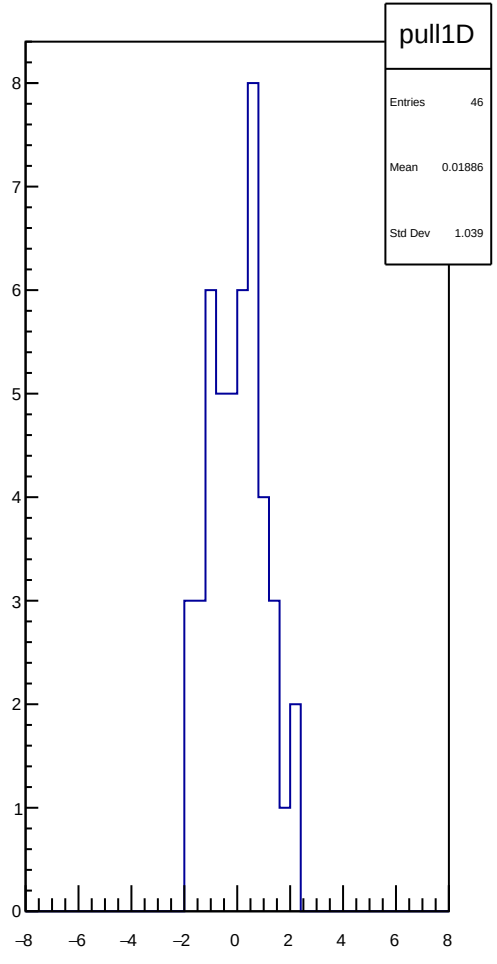

dit_asym_sam_48_avg_rms vs run
χ² / ndf 2283 / 45
p0 162.6 ± 0.1754
200
190
180
170
160
150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

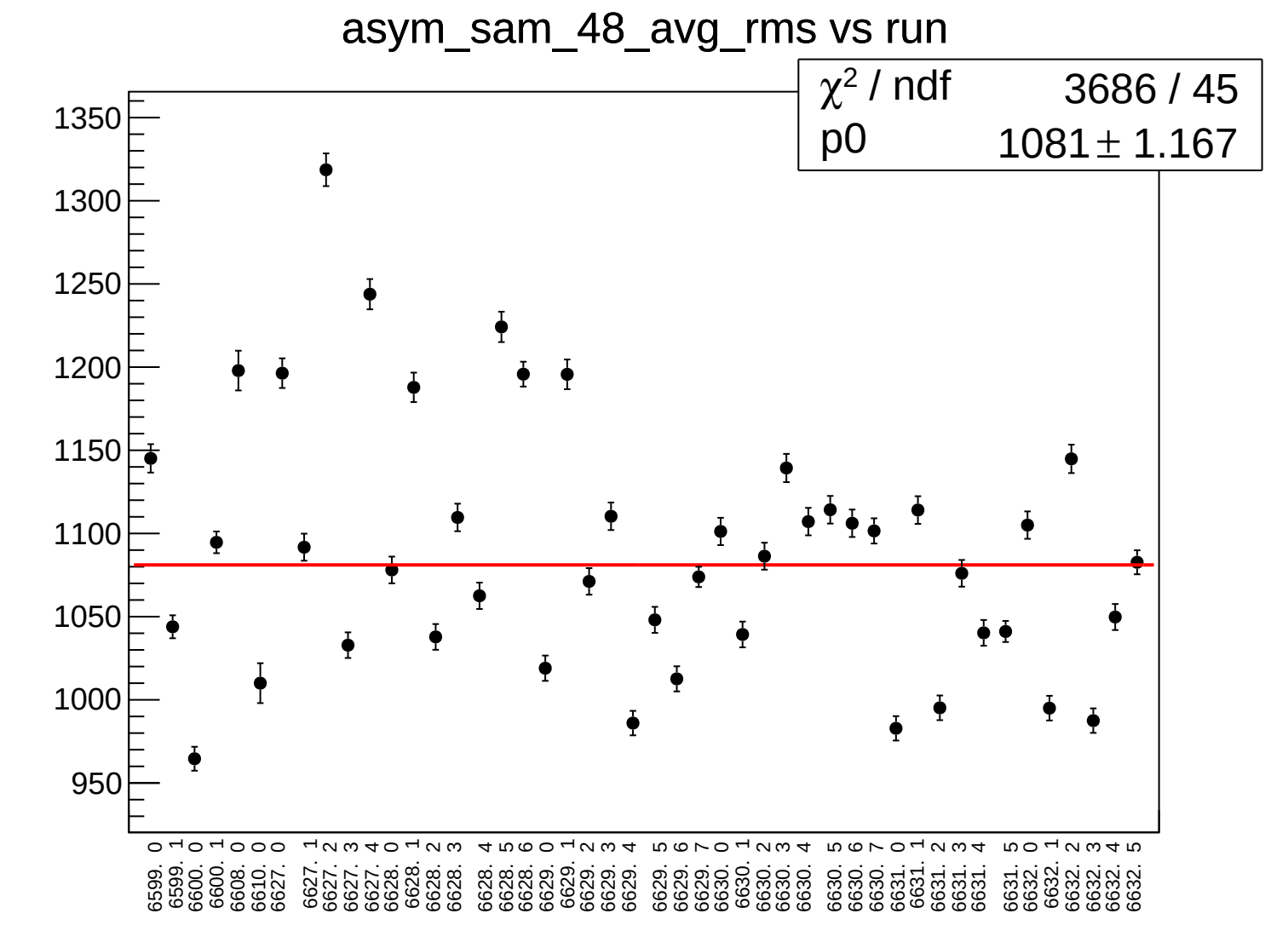

asym_sam_48_avg_correction_mean vs run
χ² / ndf 49.06 / 45
p0 1951 ± 1637
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −35.99
Std Dev 49.58
1.5
1
0.5
0
−0.5
−1
−1.5
−2

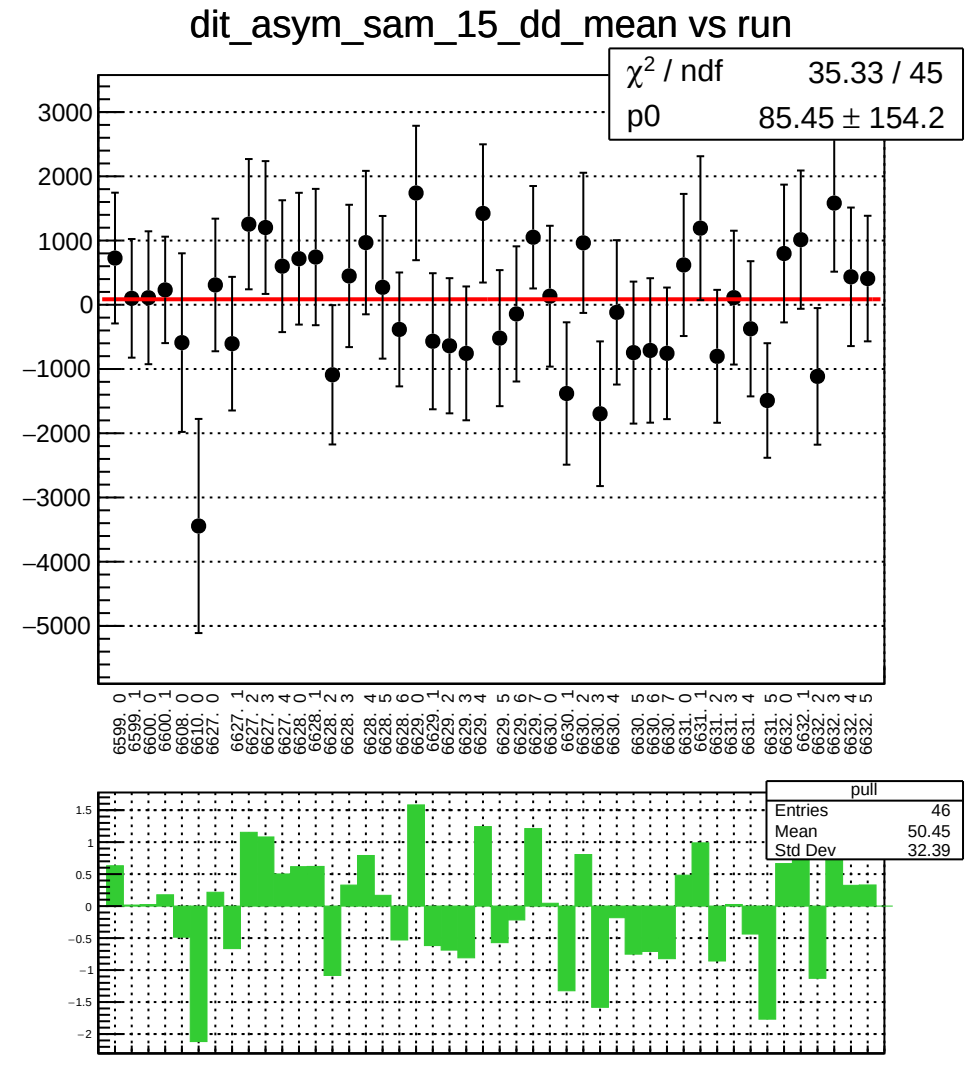

pull1D
Entries 46
Mean −0.01862
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

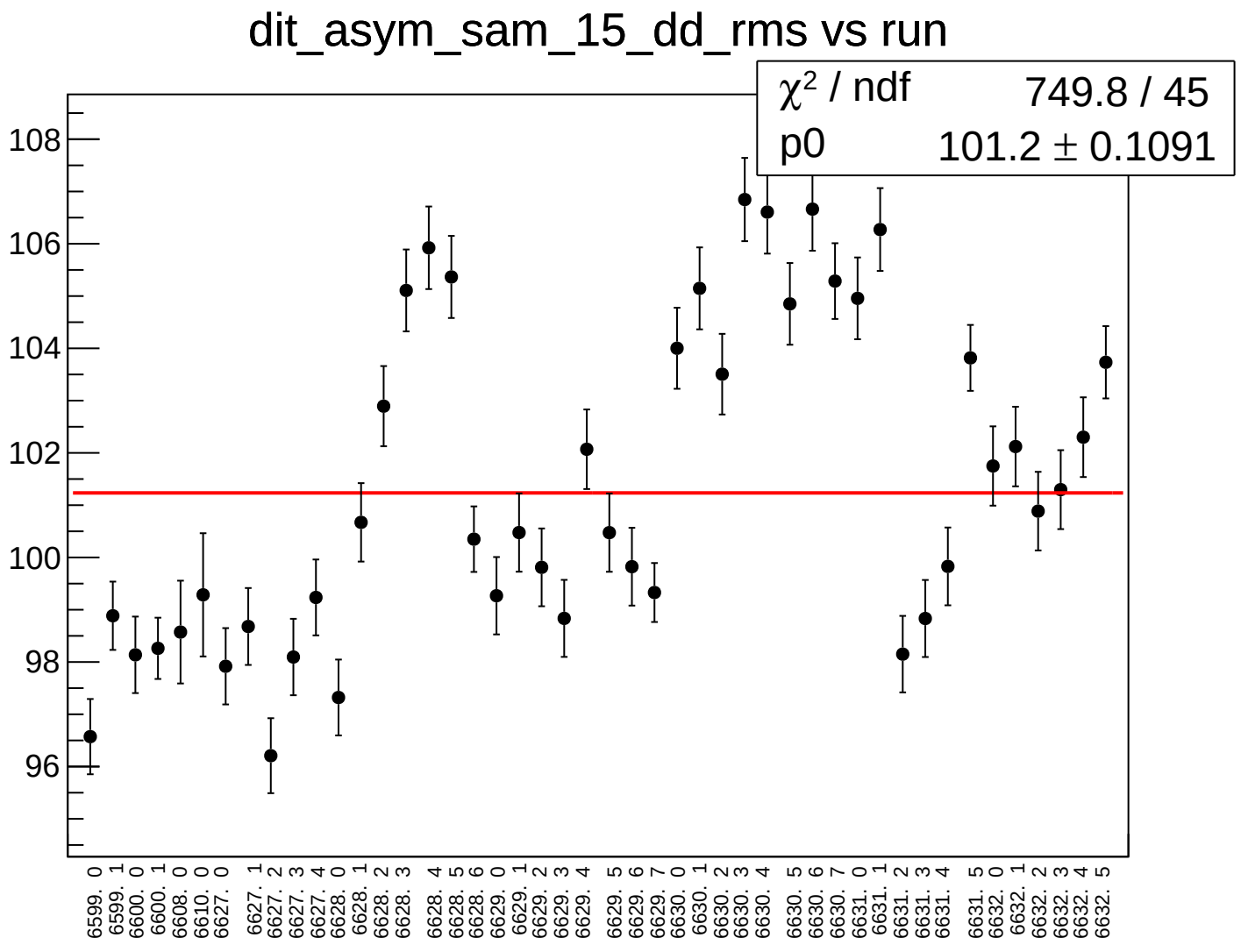

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2585 / 45
p0 1073 ± 1.158
1300
1250
1200
1150
1100
1050
1000
950
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

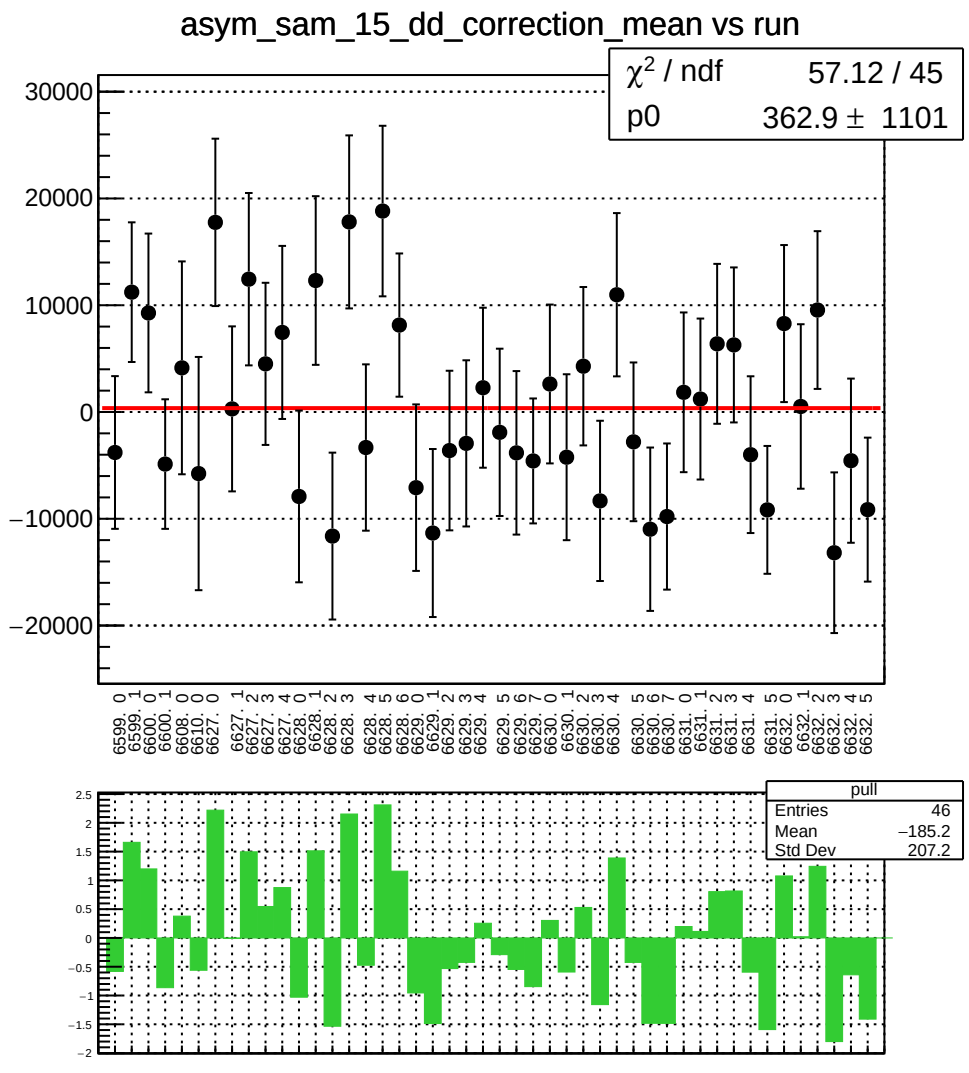

asym_sam_48_avg_mean vs run
χ² / ndf 49.67 / 45
p0 −2385 ± 1650
pull
Entries 46
Mean −14.6
Std Dev 24.83

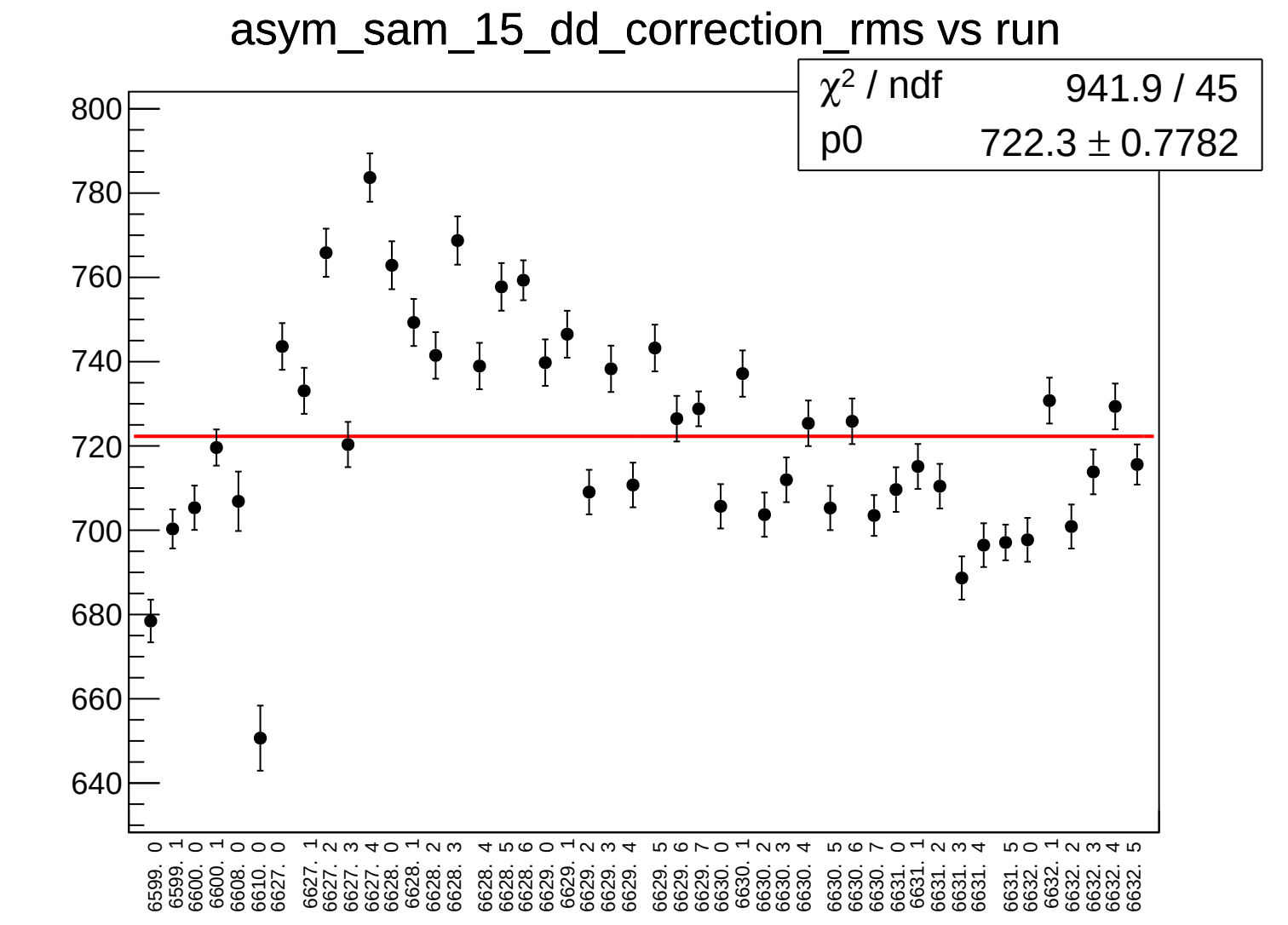

pull1D
Entries 46
Mean 0.01886
Std Dev 1.039

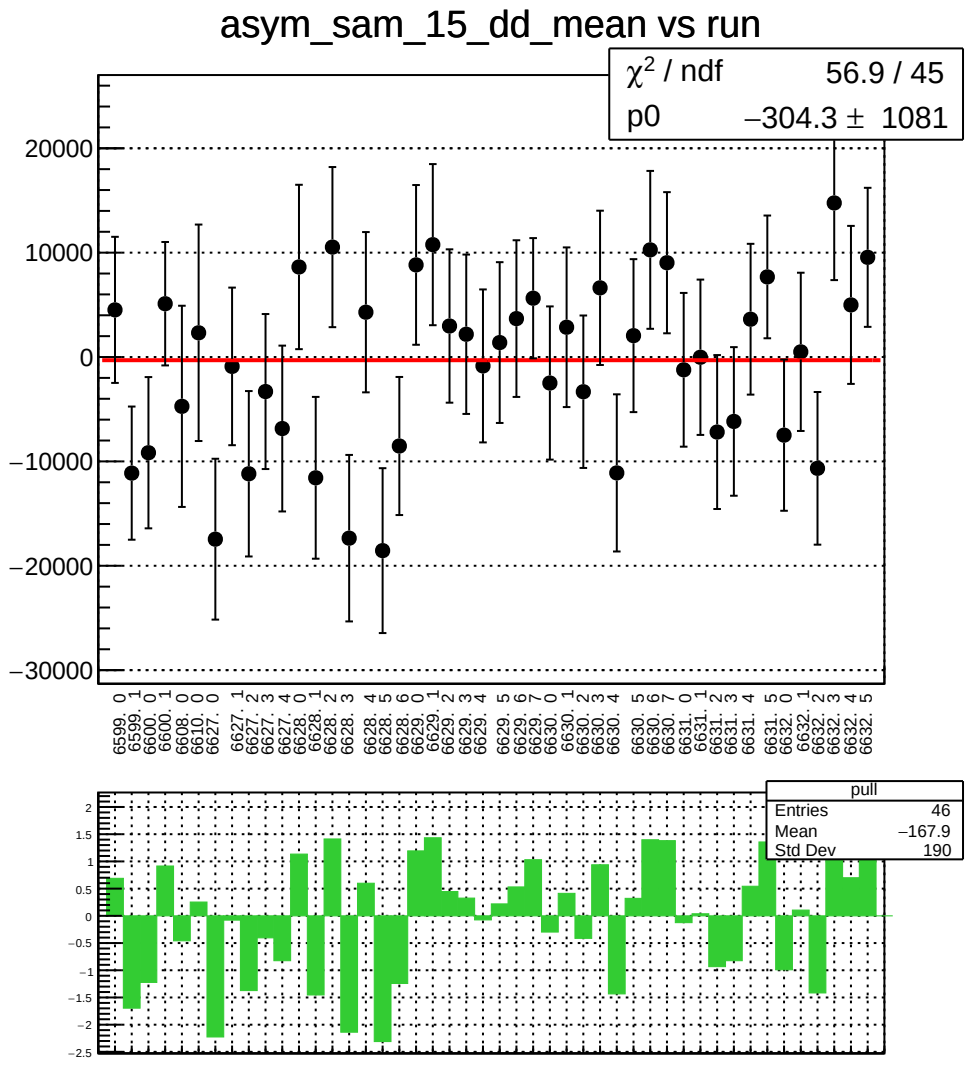

asym_sam_48_avg_rms vs run
χ² / ndf 3686 / 45
p0 1081 ± 1.167
1350
1300
1250
1200
1150
1100
1050
1000
950
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

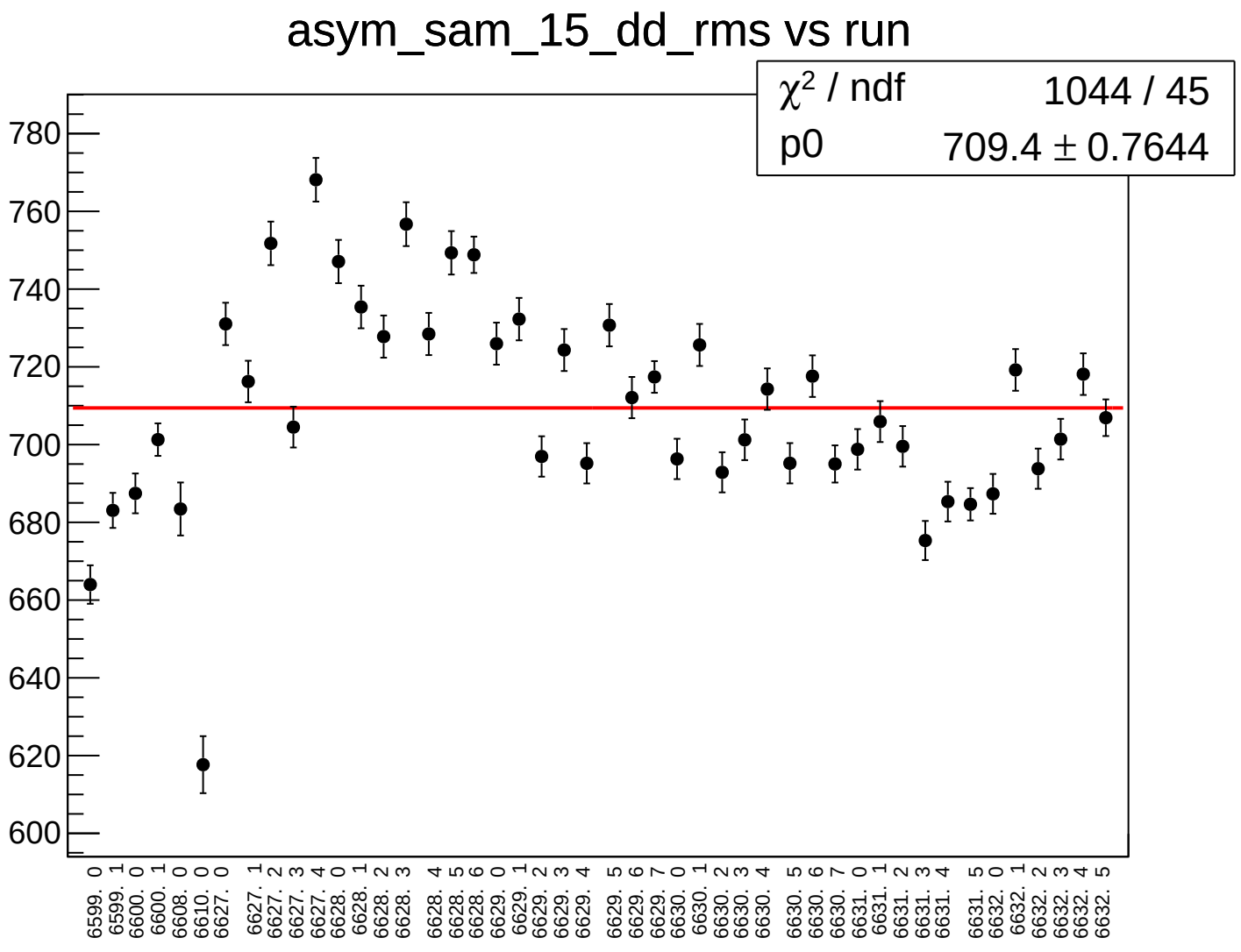

dit_asym_sam_15_dd_mean vs run
χ² / ndf 35.33 / 45
p0 85.45 ± 154.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 50.45
Std Dev 32.39
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.02293
Std Dev 0.8761
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

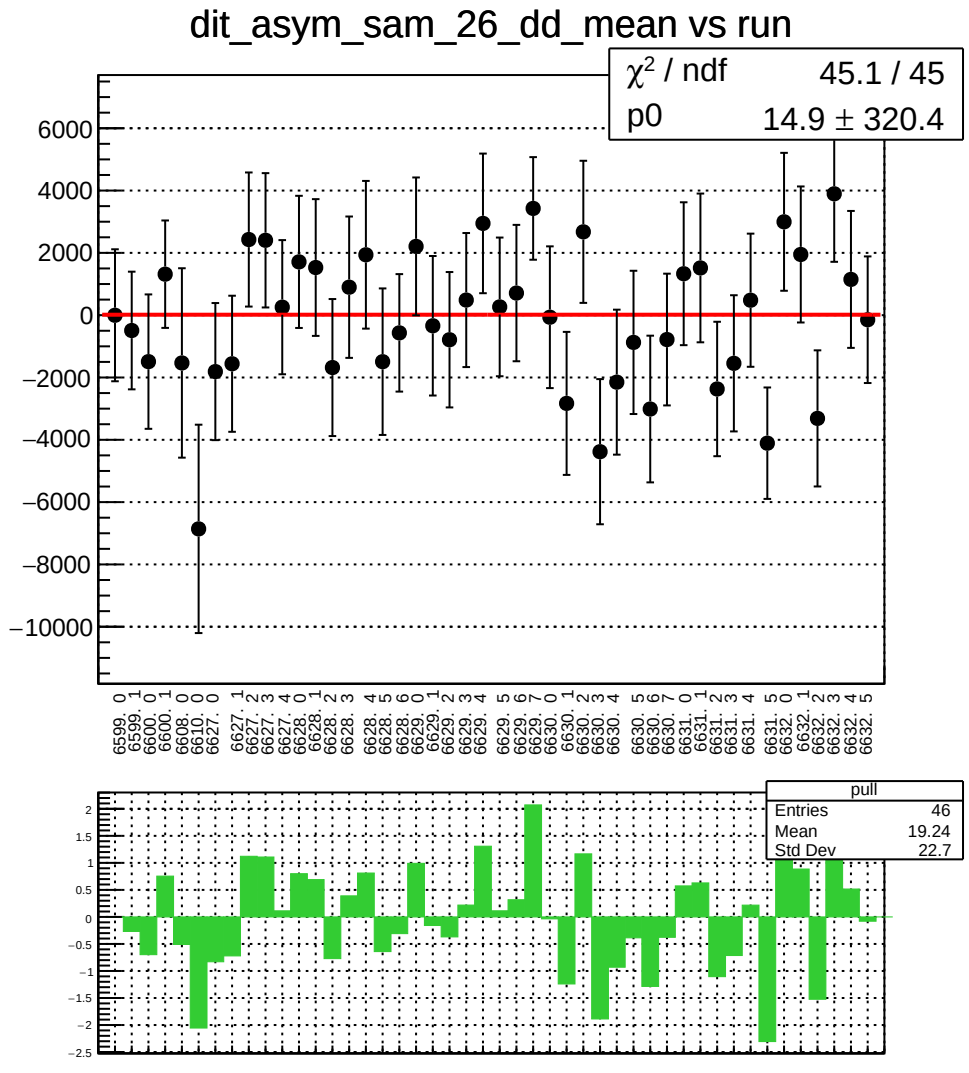

dit_asym_sam_15_dd_rms vs run
χ² / ndf 749.8 / 45
p0 101.2 ± 0.1091
108
106
104
102
100
98
96
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

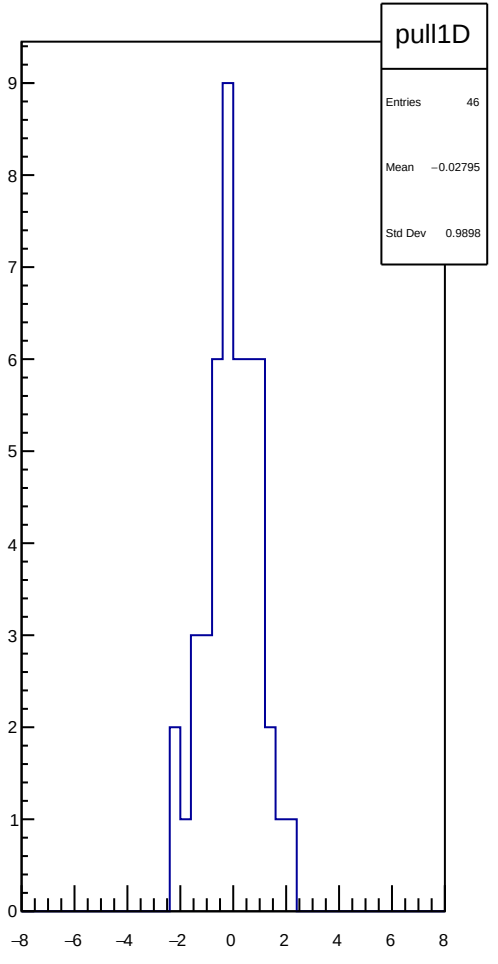

asym_sam_15_dd_correction_mean vs run
χ² / ndf 57.12 / 45
p0 362.9 ± 1101
30000
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −185.2
Std Dev 207.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.02072
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

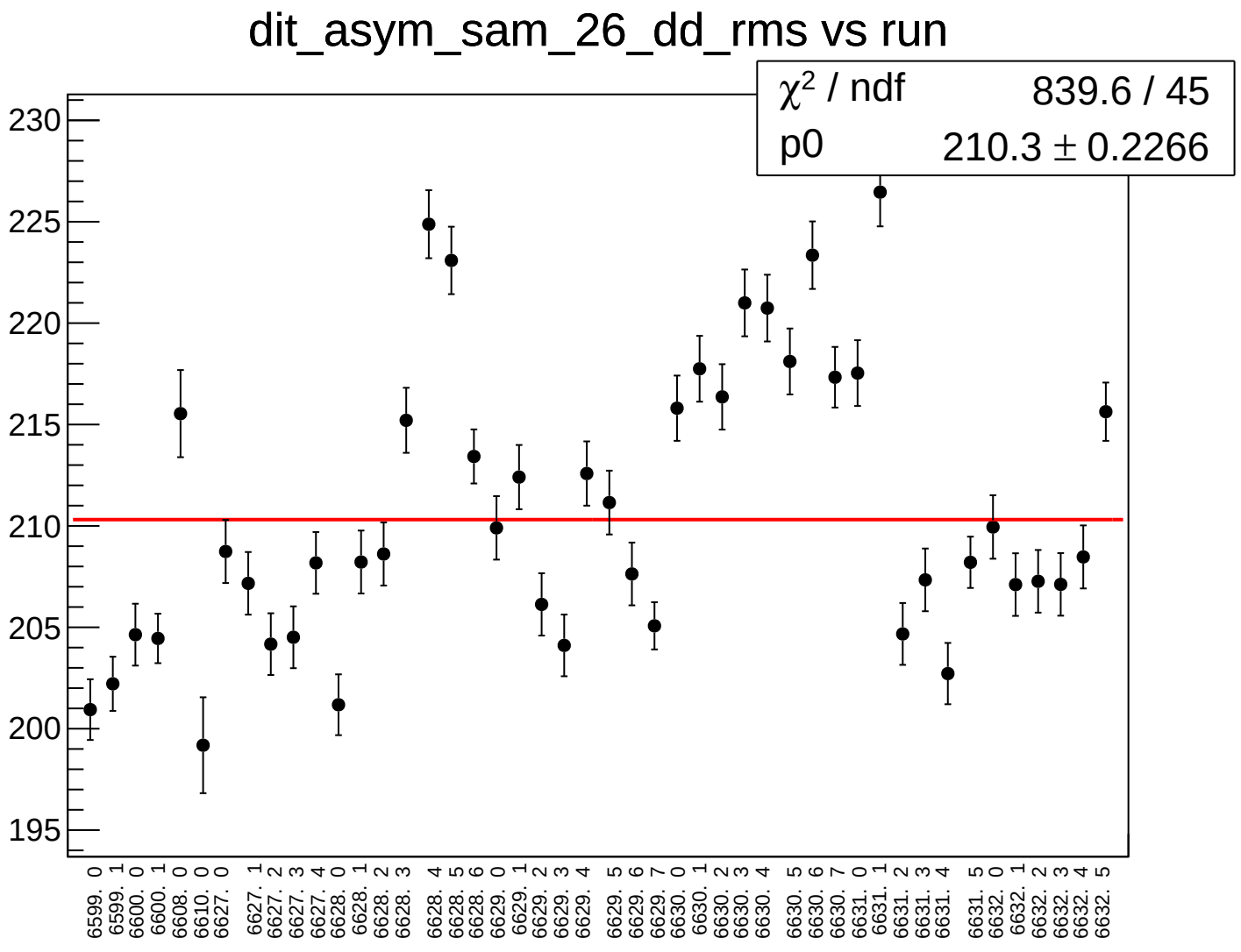

asym_sam_15_dd_correction_rms vs run
χ² / ndf 941.9 / 45
p0 722.3 ± 0.7782
800
780
760
740
720
700
680
660
640
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

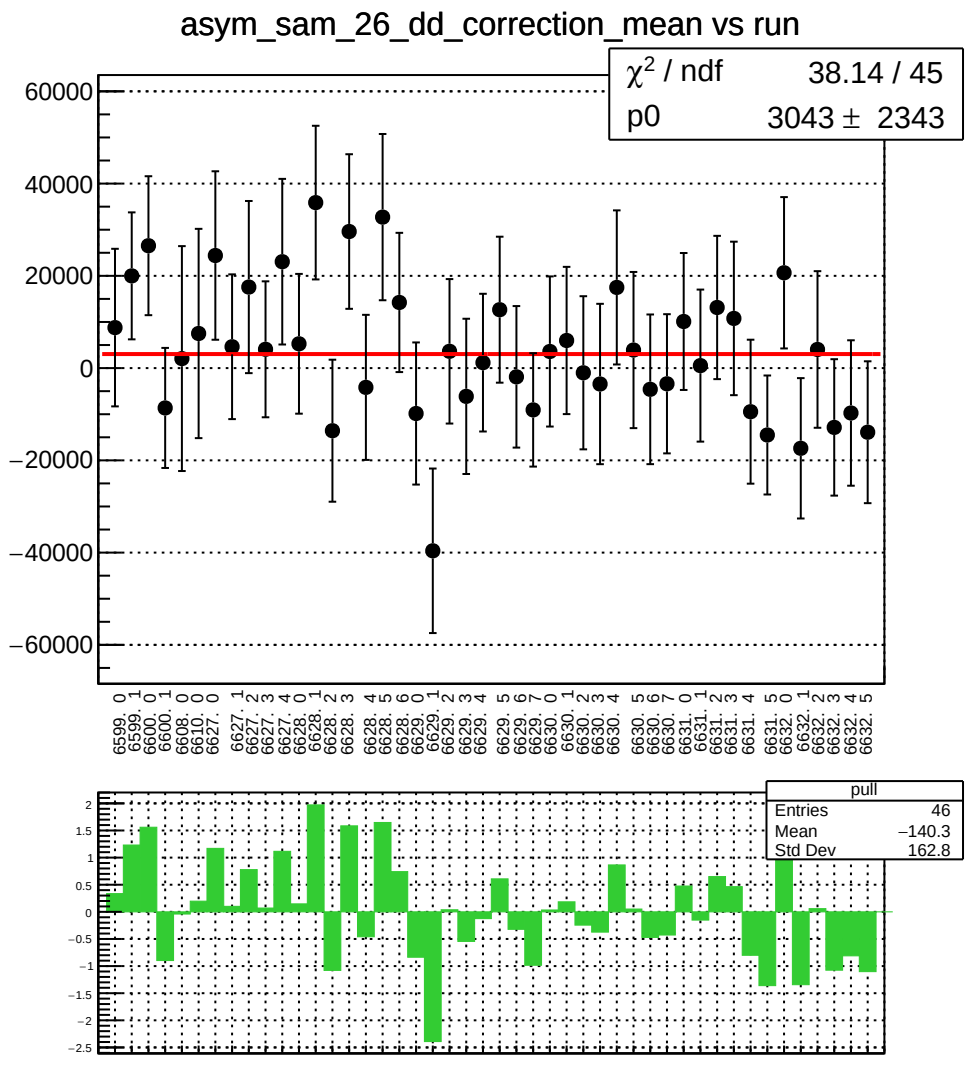

asym_sam_15_dd_mean vs run
χ² / ndf 56.9 / 45
p0 −304.3 ± 1081
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −167.9
Std Dev 190
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.0226
Std Dev 1.112
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

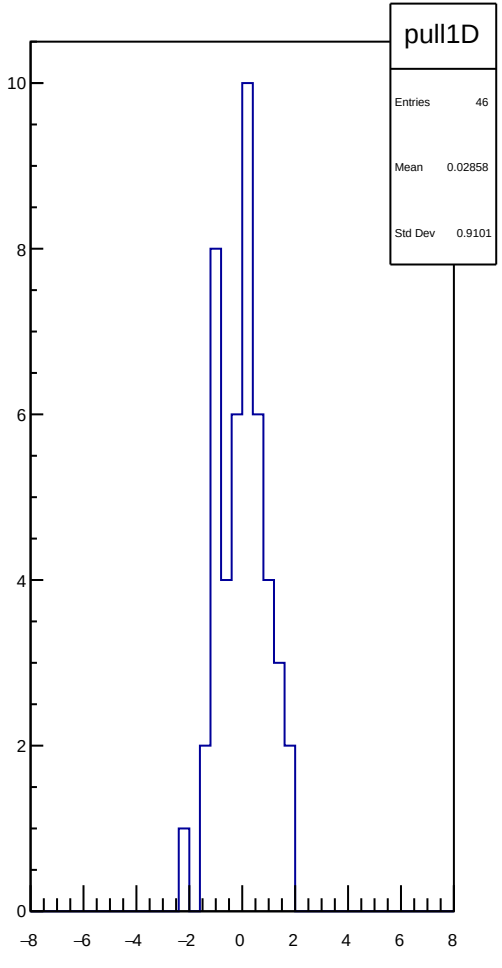

asym_sam_15_dd_rms vs run
χ² / ndf 1044 / 45
p0 709.4 ± 0.7644
780
760
740
720
700
680
660
640
620
600
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

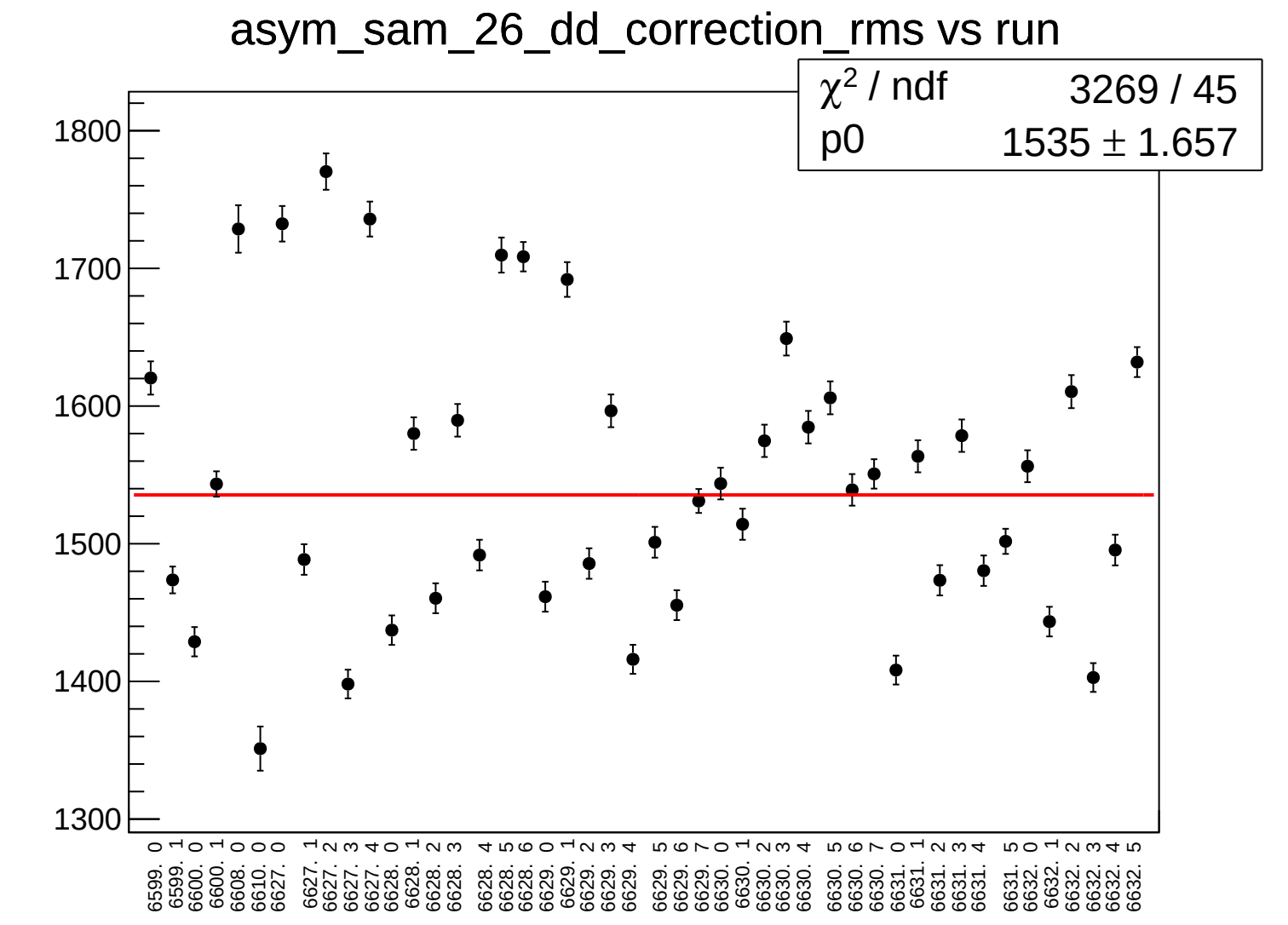

dit_asym_sam_26_dd_mean vs run
χ² / ndf 45.1 / 45
p0 14.9 ± 320.4
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 19.24
Std Dev 22.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

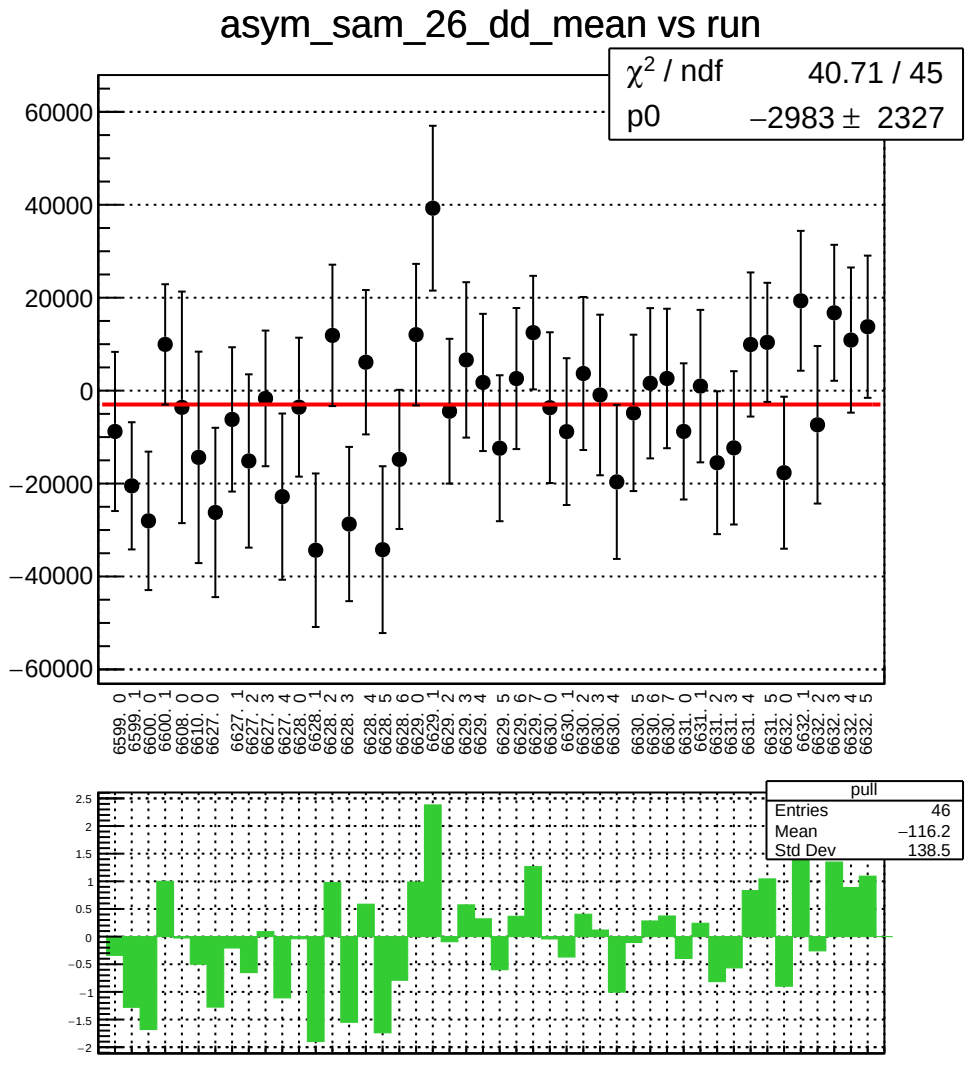

pull1D
Entries 46
Mean −0.02795
Std Dev 0.9898
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

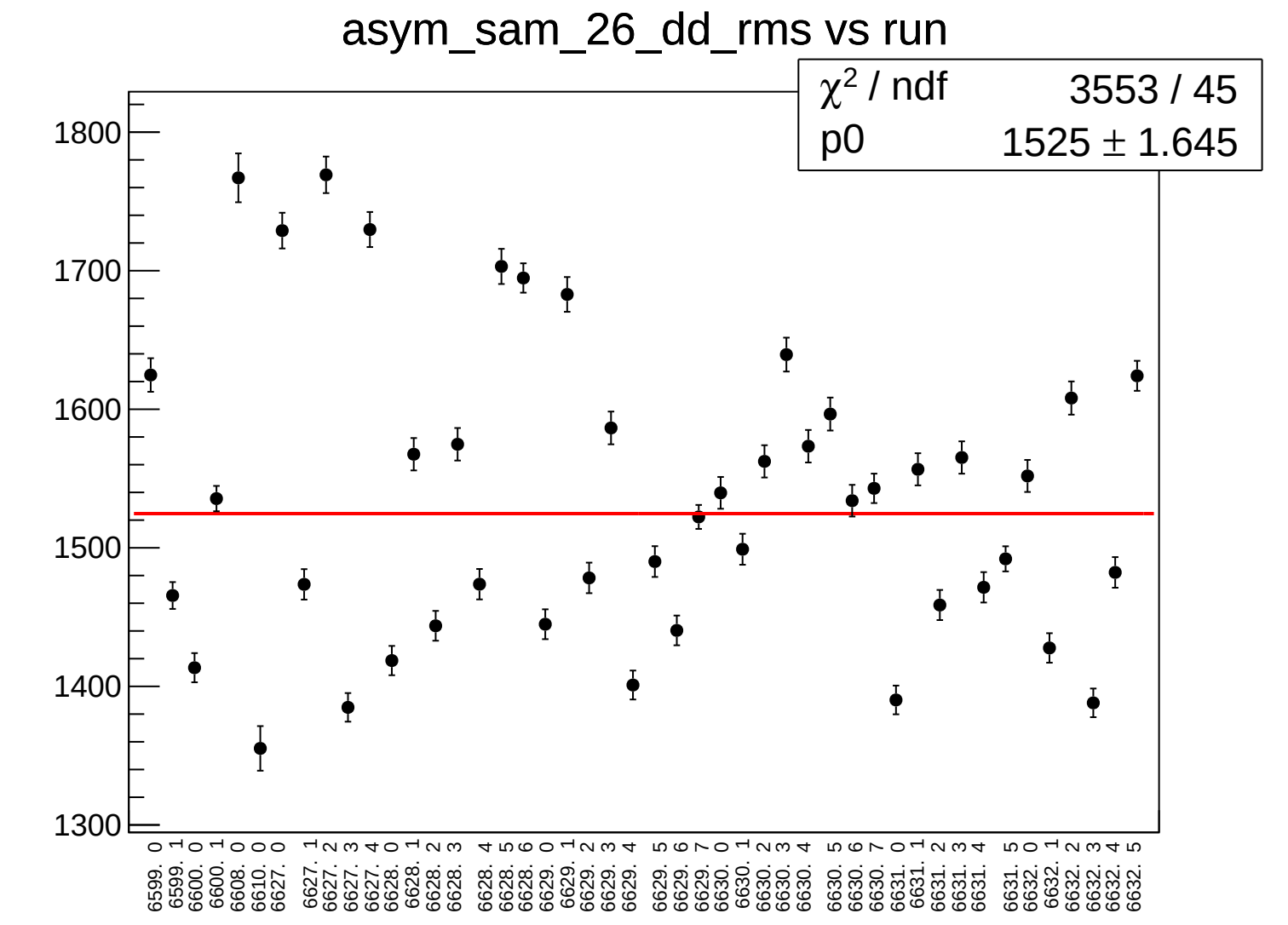

dit_asym_sam_26_dd_rms vs run
χ² / ndf 839.6 / 45
p0 210.3 ± 0.2266
230
225
220
215
210
205
200
195
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

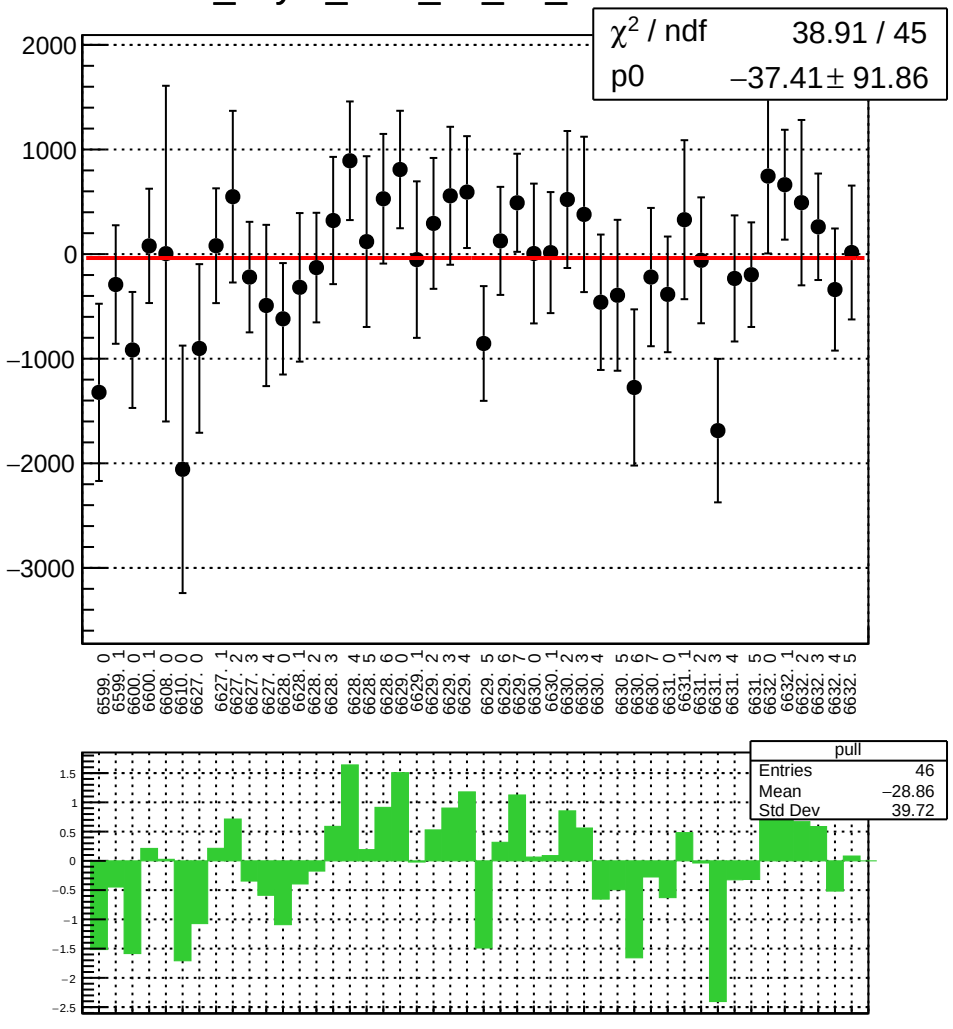

asym_sam_26_dd_correction_mean vs run
χ² / ndf 38.14 / 45
p0 3043 ± 2343
pull
Entries 46
Mean −140.3
Std Dev 162.8

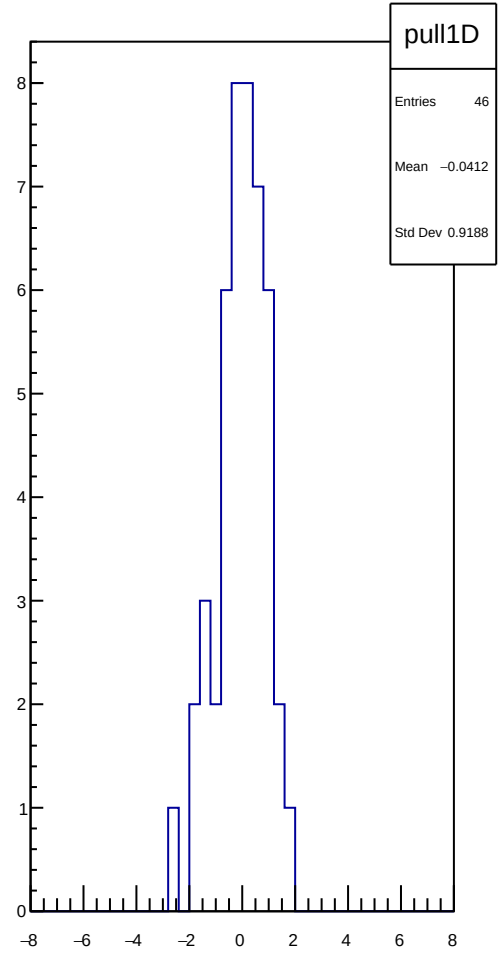

pull1D
Entries 46
Mean 0.02858
Std Dev 0.9101

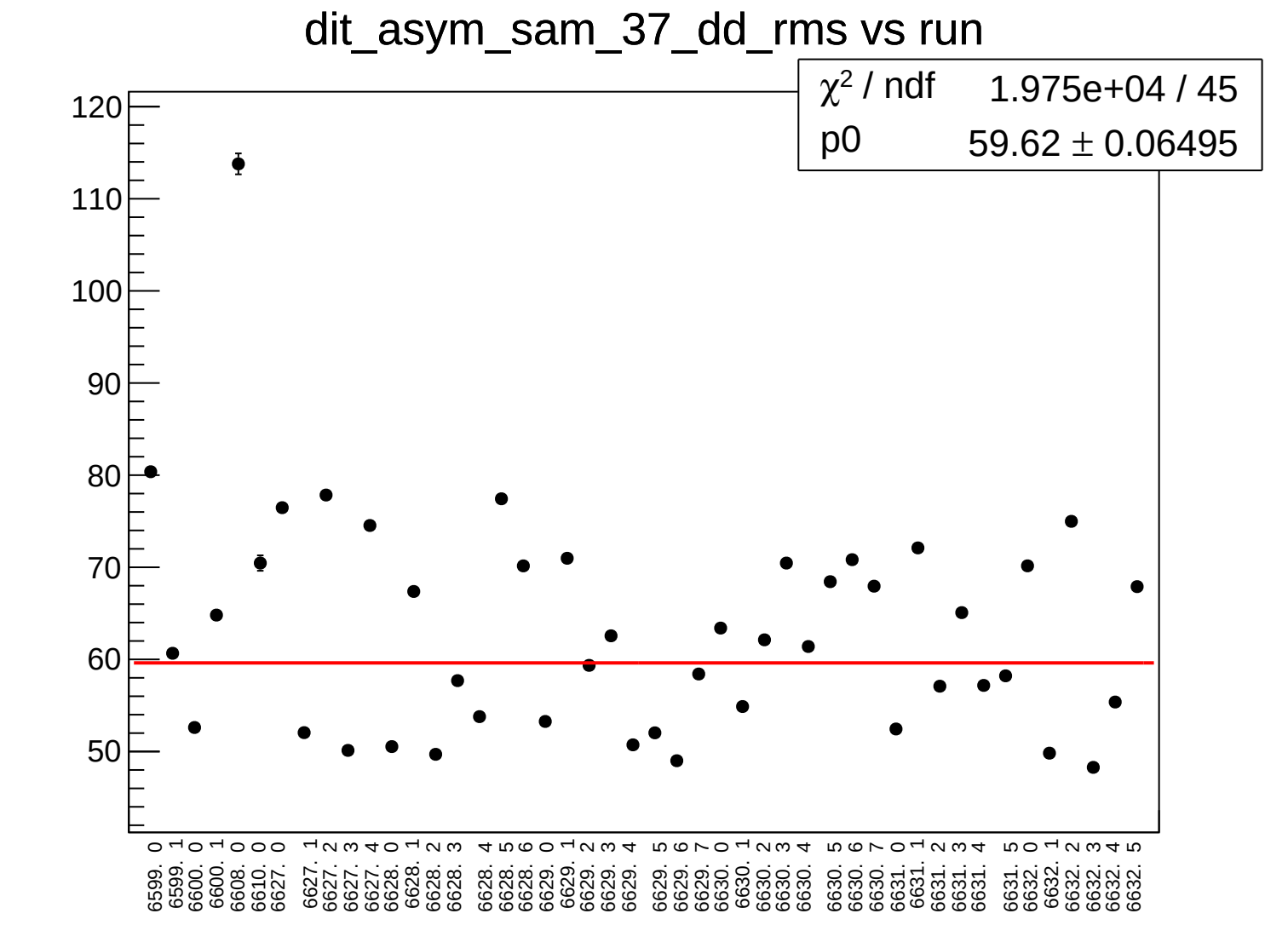

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3269 / 45
p0 1535 ± 1.657
1800
1700
1600
1500
1400
1300
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

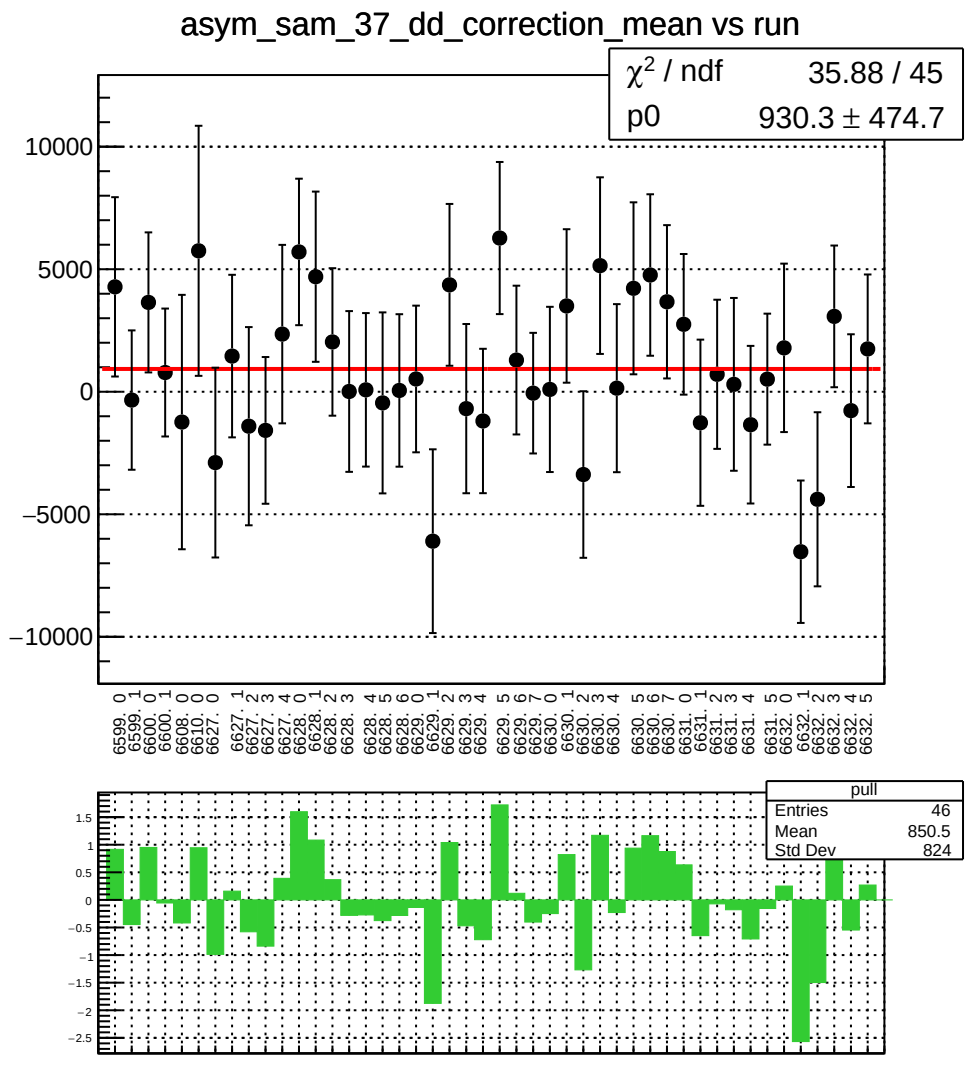

asym_sam_26_dd_mean vs run
χ² / ndf 40.71 / 45
p0 −2983 ± 2327
60000
40000
20000
0
−20000
−40000
−60000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −116.2
Std Dev 138.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.03402
Std Dev 0.9401
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

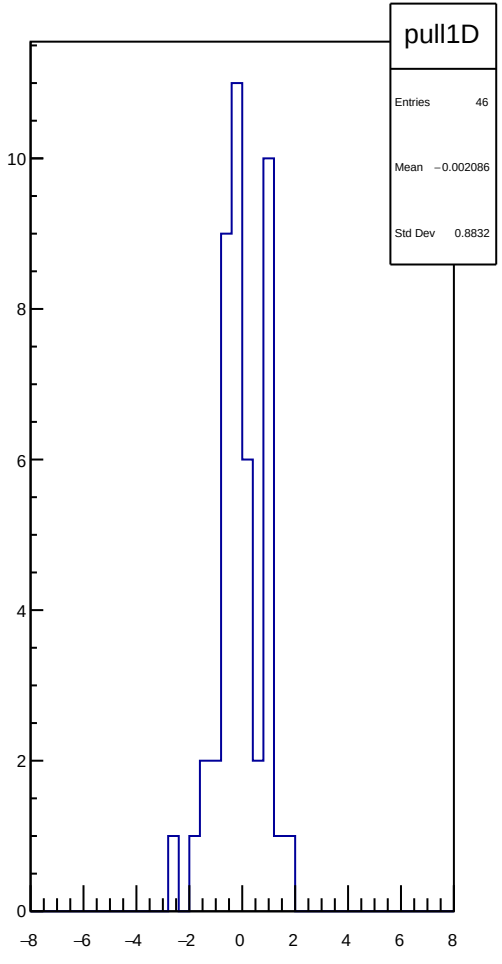

asym_sam_26_dd_rms vs run
χ^2 / ndf 3553 / 45
p0 1525 ± 1.645
1800
1700
1600
1500
1400
1300
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

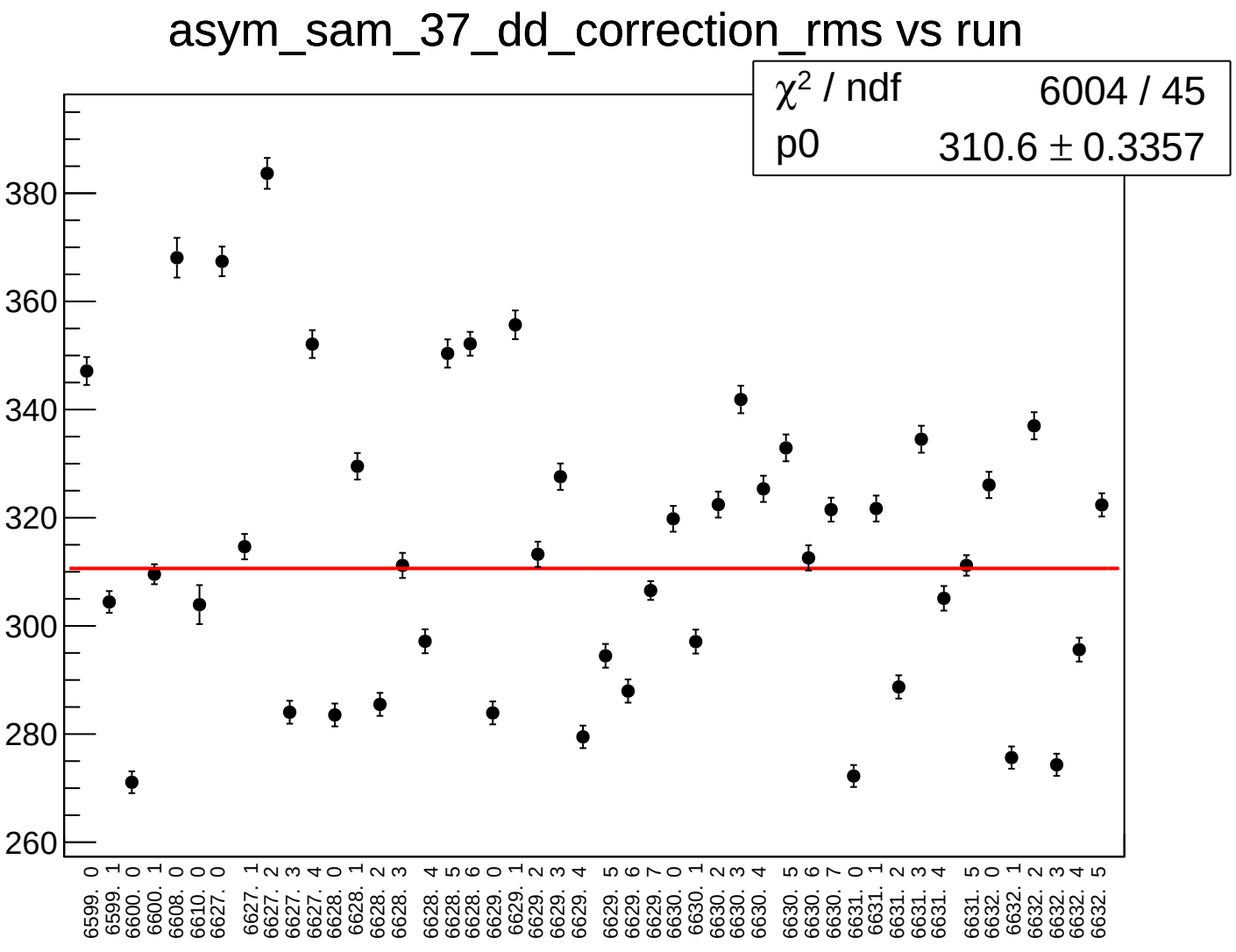

dit_asym_sam_37_dd_mean vs run
χ² / ndf 38.91 / 45
p0 −37.41 ± 91.86
2000
1000
0
−1000
−2000
−3000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −28.86
Std Dev 39.72
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 46
Mean −0.0412
Std Dev 0.9188
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.975e+04 / 45
p0 59.62 ± 0.06495
120
110
100
90
80
70
60
50
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5


asym_sam_37_dd_correction_mean vs run
χ² / ndf 35.88 / 45
p0 930.3 ± 474.7
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 850.5
Std Dev 824
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 46
Mean −0.002086
Std Dev 0.8832
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 6004 / 45
p0 310.6 ± 0.3357
380
360
340
320
300
280
260
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
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6631. 4
6631. 5
6632. 0
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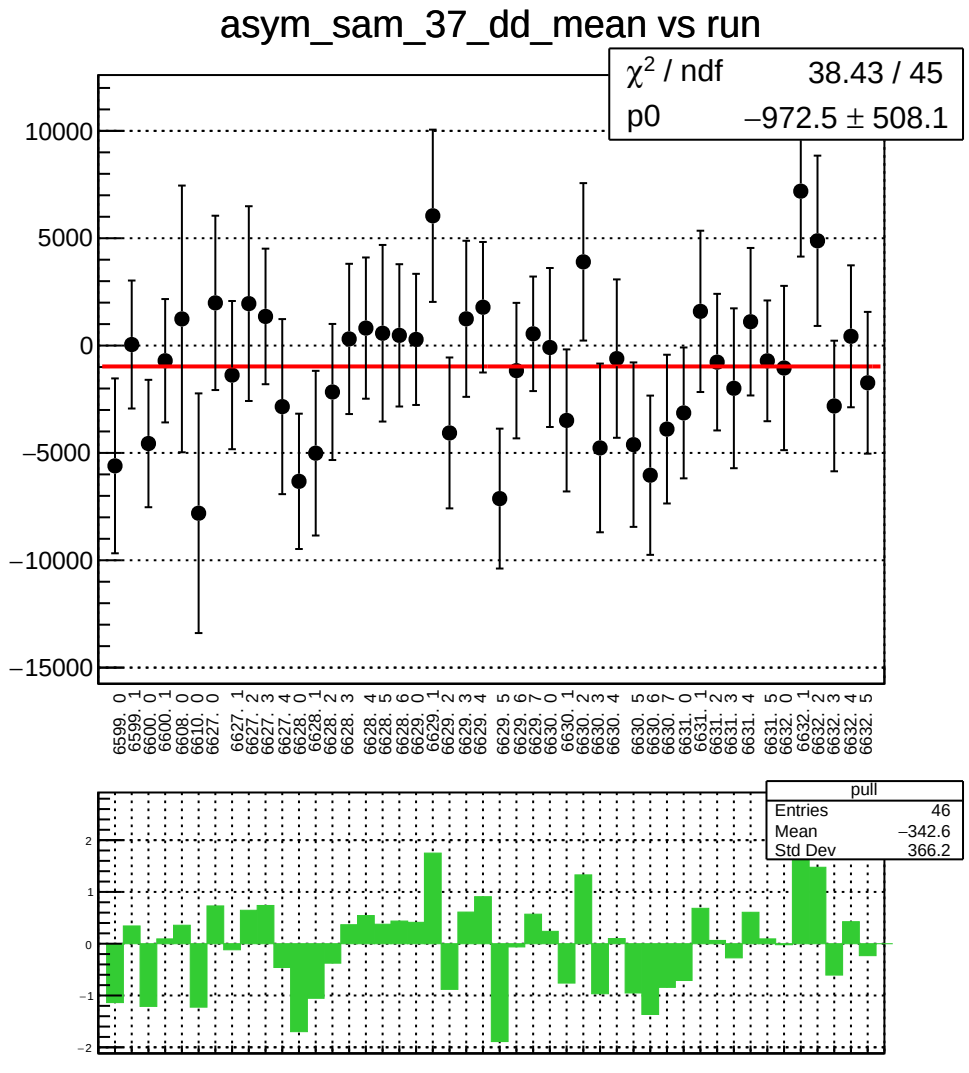
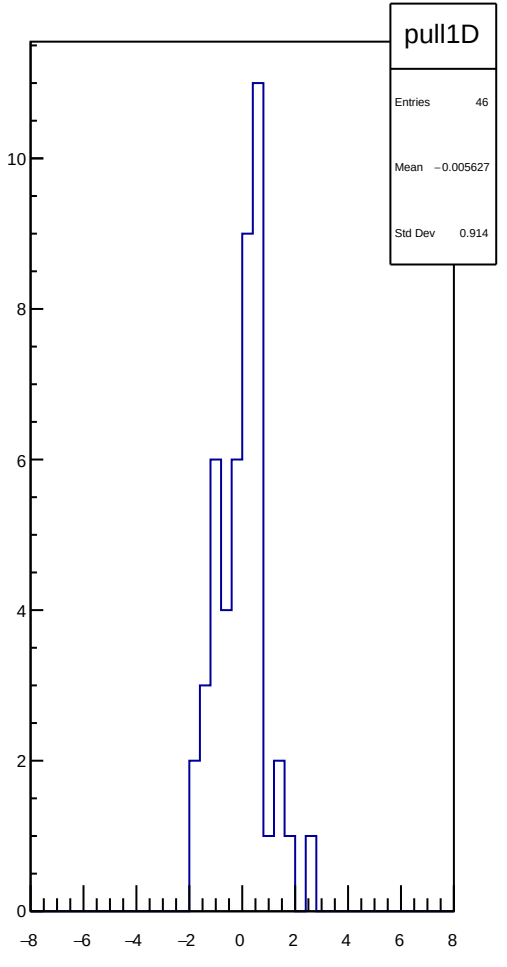
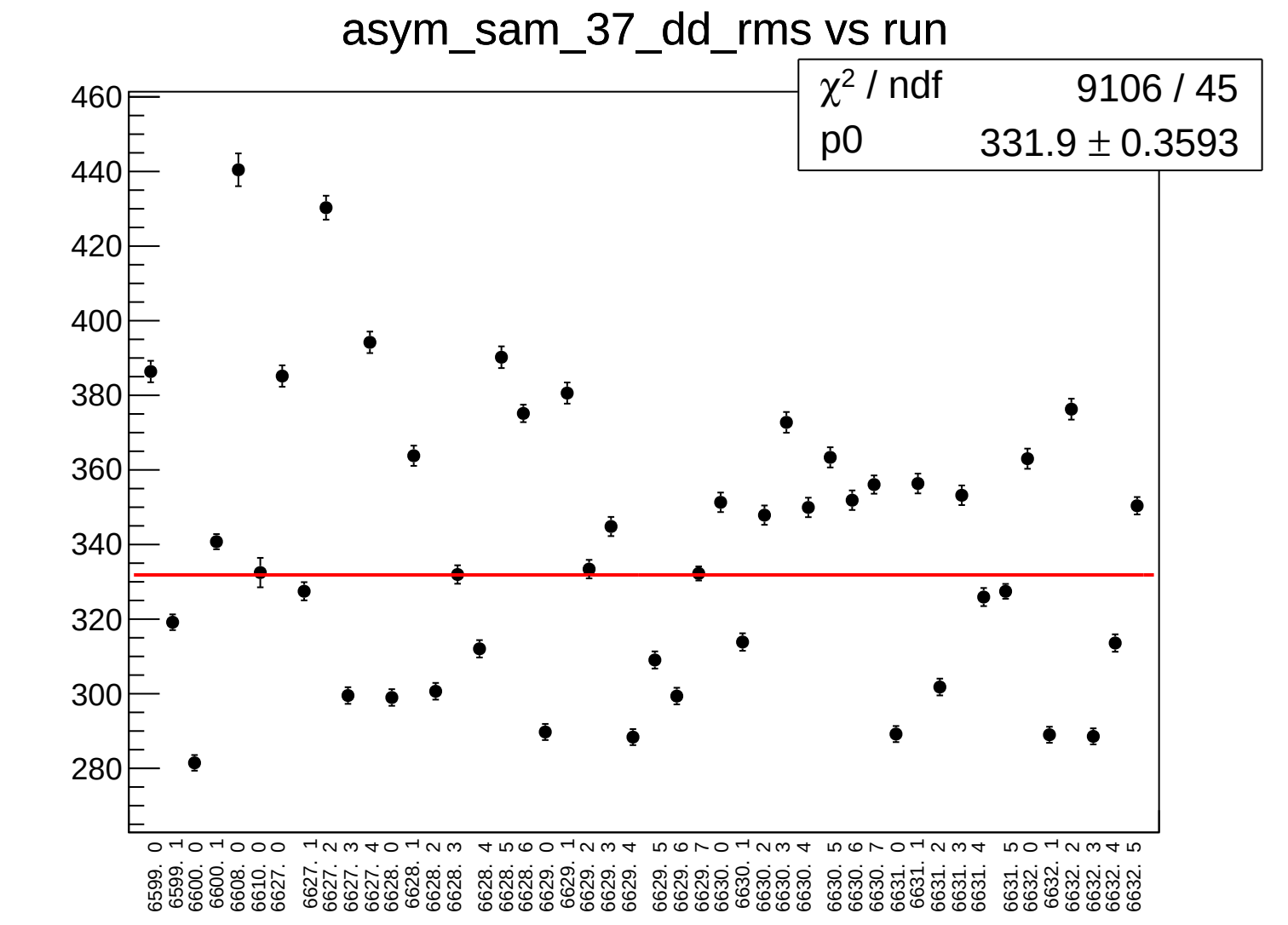
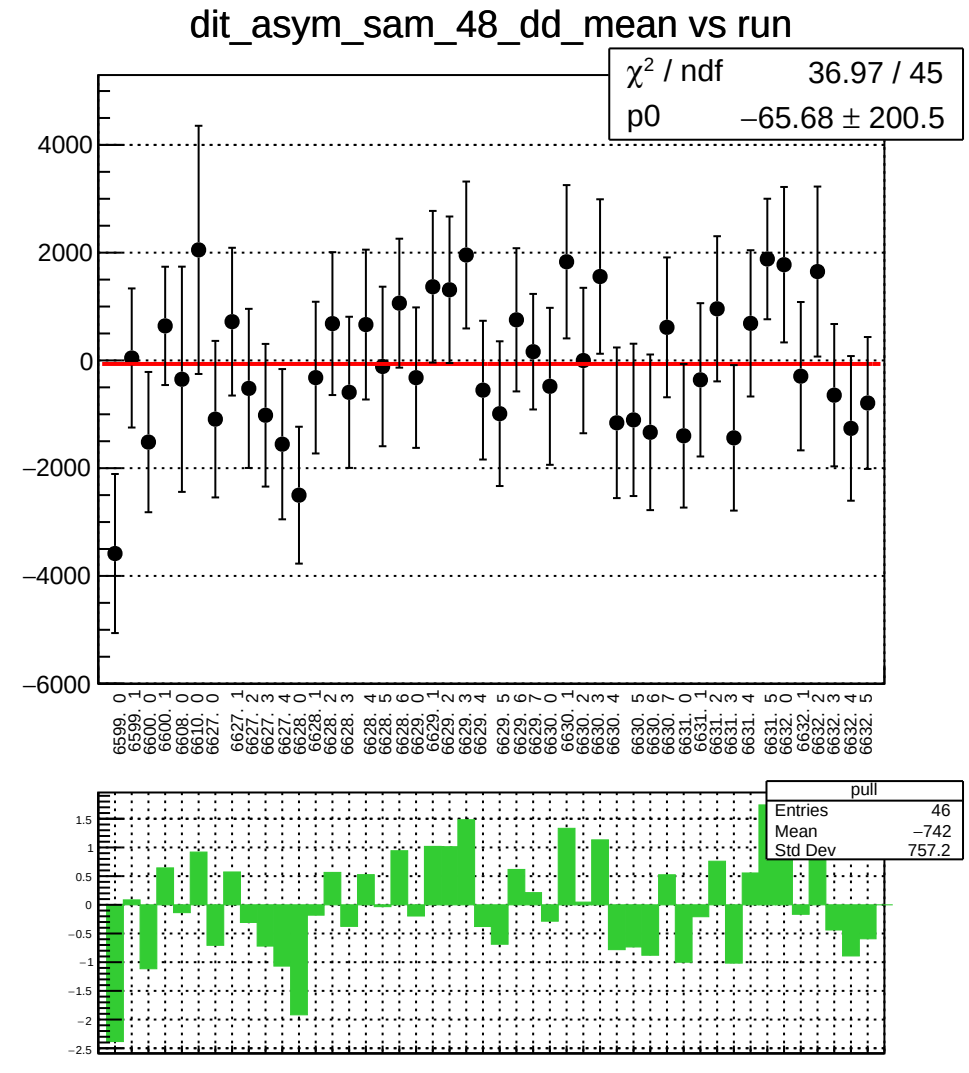
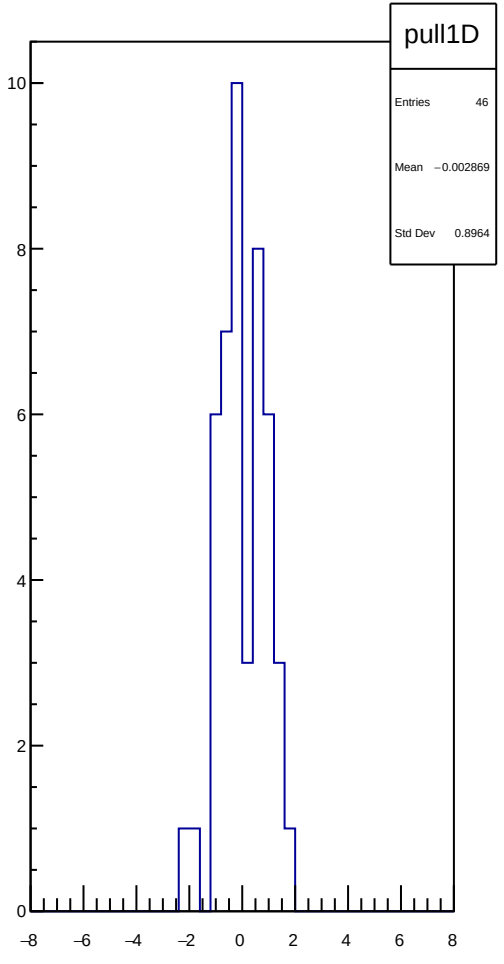
6632. 4
6632. 5

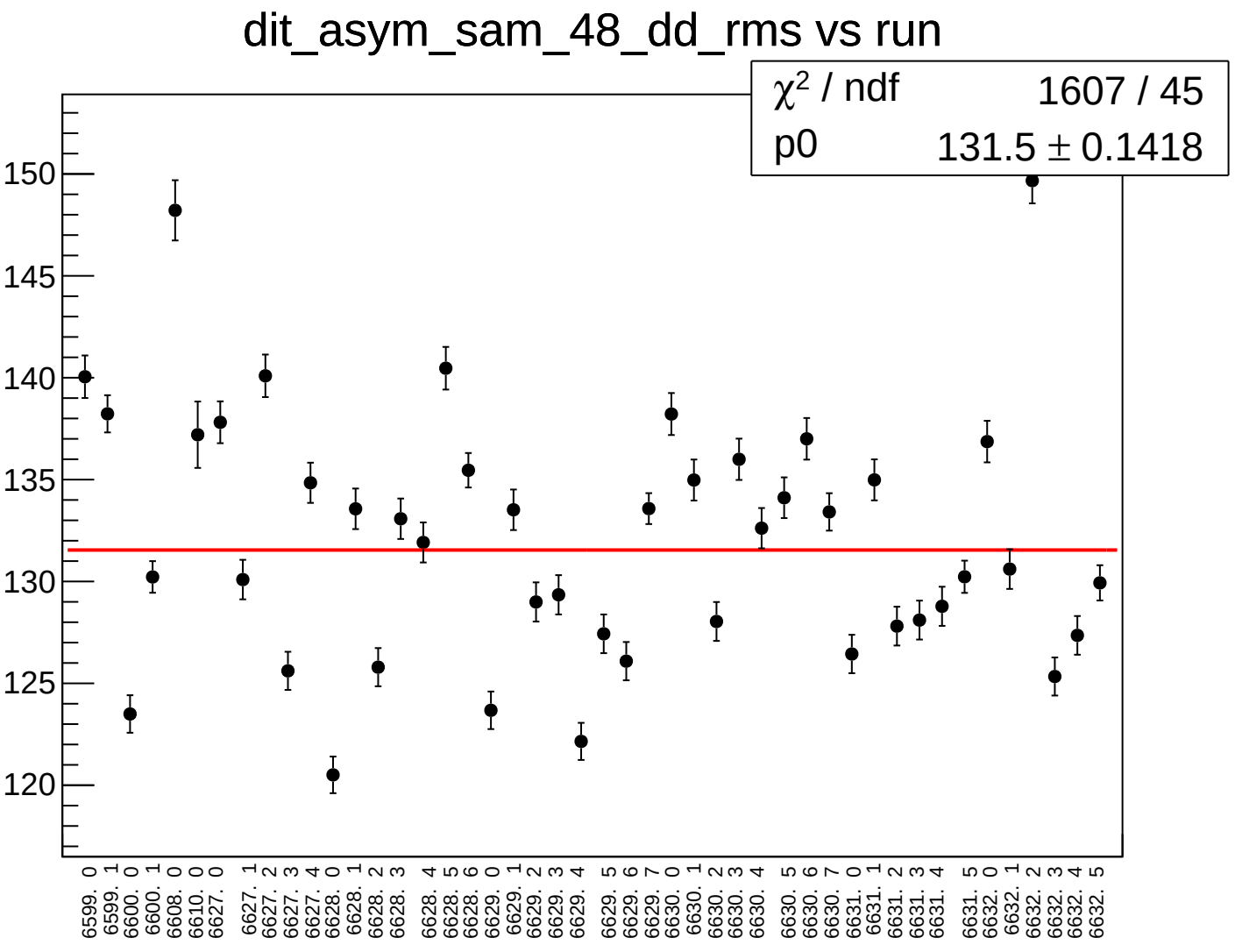

asym_sam_37_dd_mean vs run
χ² / ndf 38.43 / 45
p0 −972.5 ± 508.1
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −342.6
Std Dev 366.2
2
1
0
−1
−2

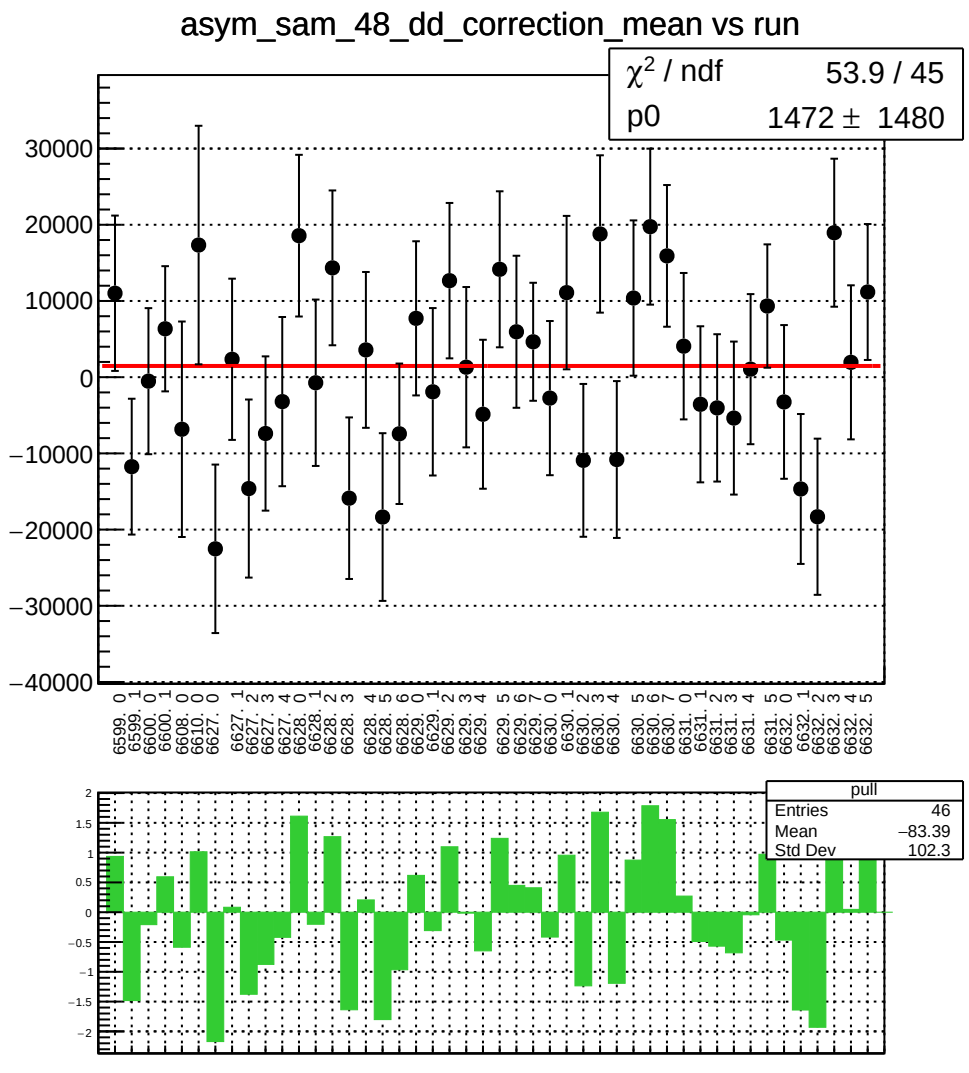

pull1D
Entries 46
Mean −0.005627
Std Dev 0.914
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

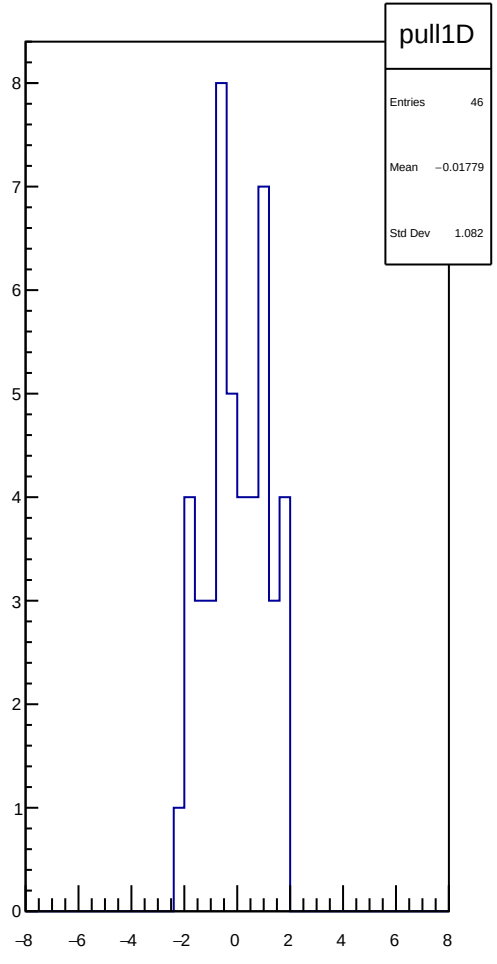

asym_sam_37_dd_rms vs run
χ^2 / ndf 9106 / 45
p0 331.9 ± 0.3593
460
440
420
400
380
360
340
320
300
280
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

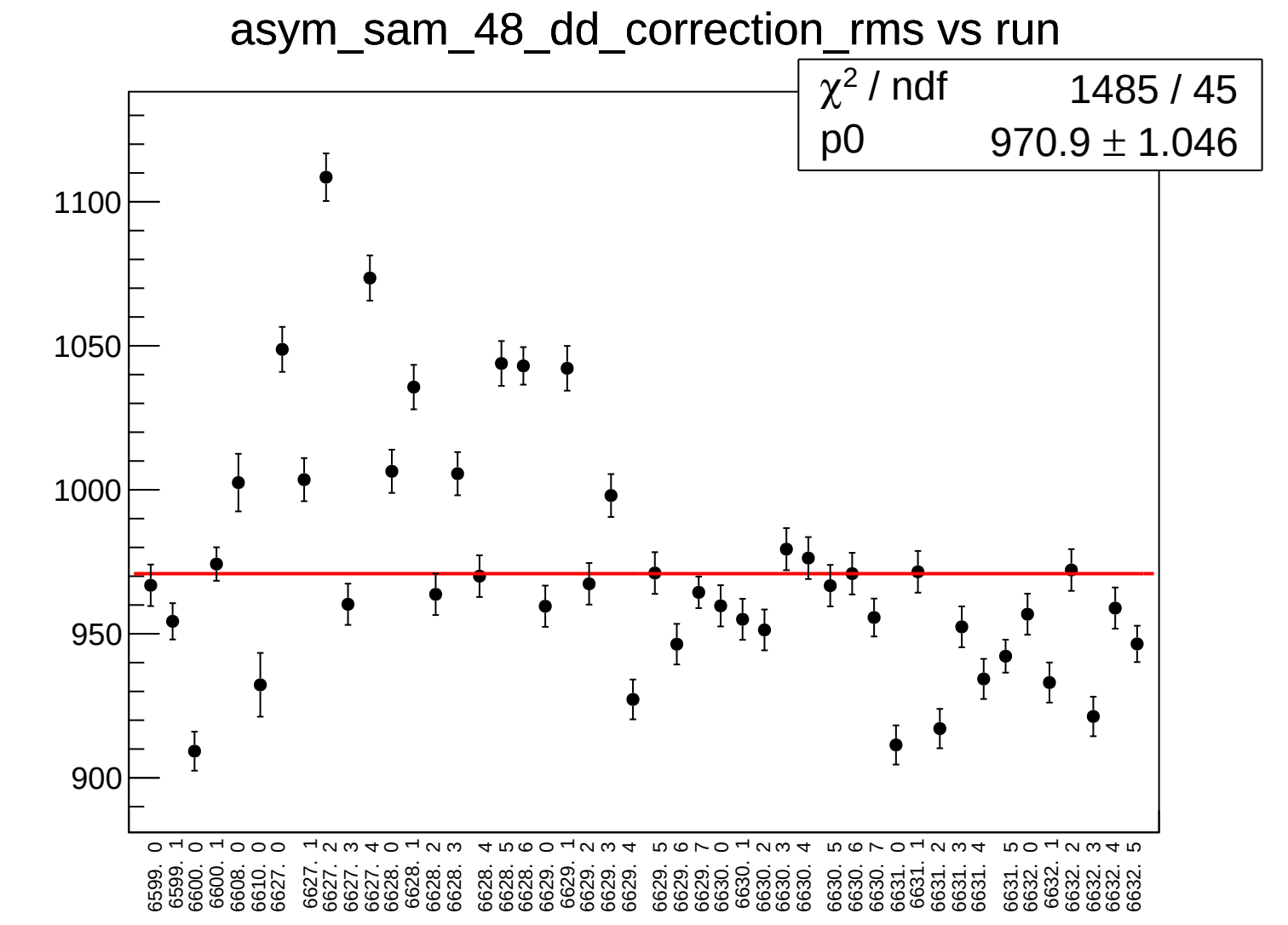

dit_asym_sam_48_dd_mean vs run
χ² / ndf 36.97 / 45
p0 −65.68 ± 200.5
4000
2000
0
−2000
−4000
−6000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −742
Std Dev 757.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 46
Mean −0.002869
Std Dev 0.8964
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_48_dd_rms vs run
χ² / ndf 1607 / 45
p0 131.5 ± 0.1418
150
145
140
135
130
125
120
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5


asym_sam_48_dd_correction_mean vs run
χ² / ndf 53.9 / 45
p0 1472 ± 1480
30000
20000
10000
0
−10000
−20000
−30000
−40000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −83.39
Std Dev 102.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 46
Mean −0.01779
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_correction_rms vs run
χ² / ndf 1485 / 45
p0 970.9 ± 1.046
1100
1050
1000
950
900
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
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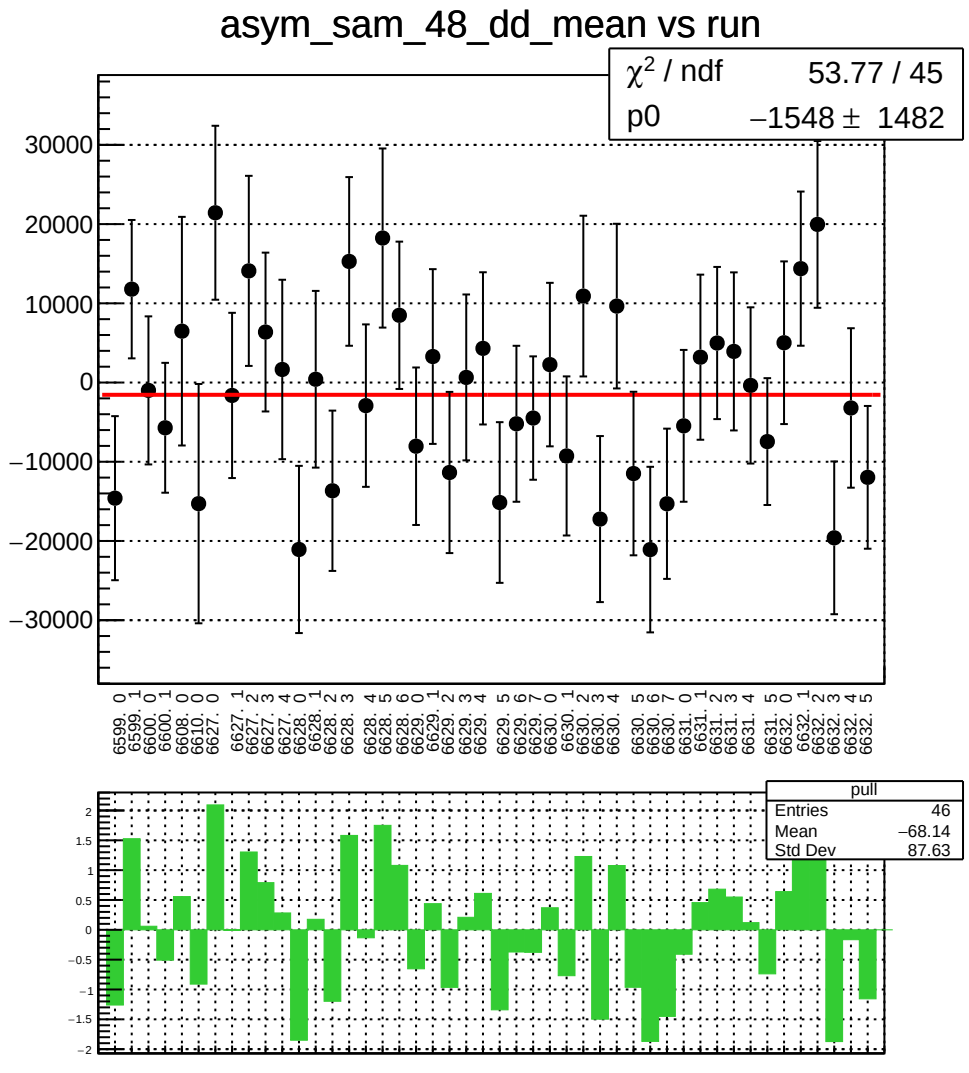
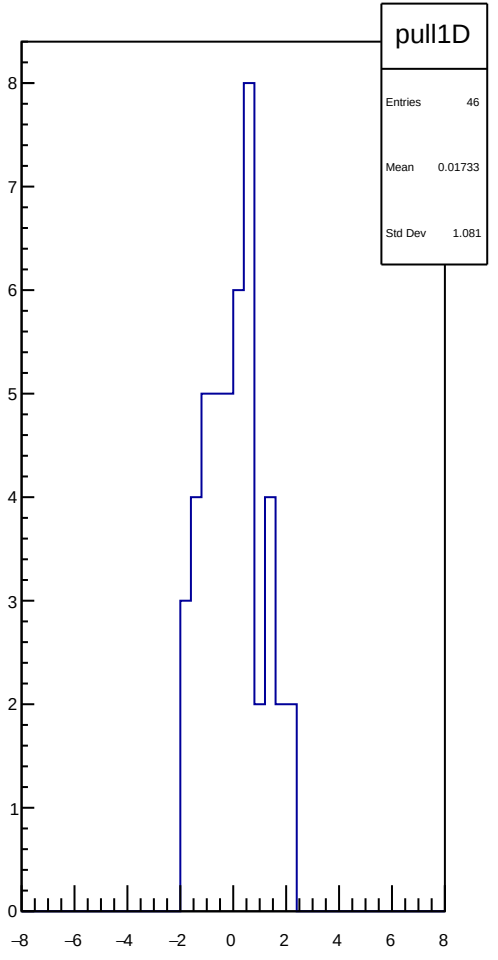
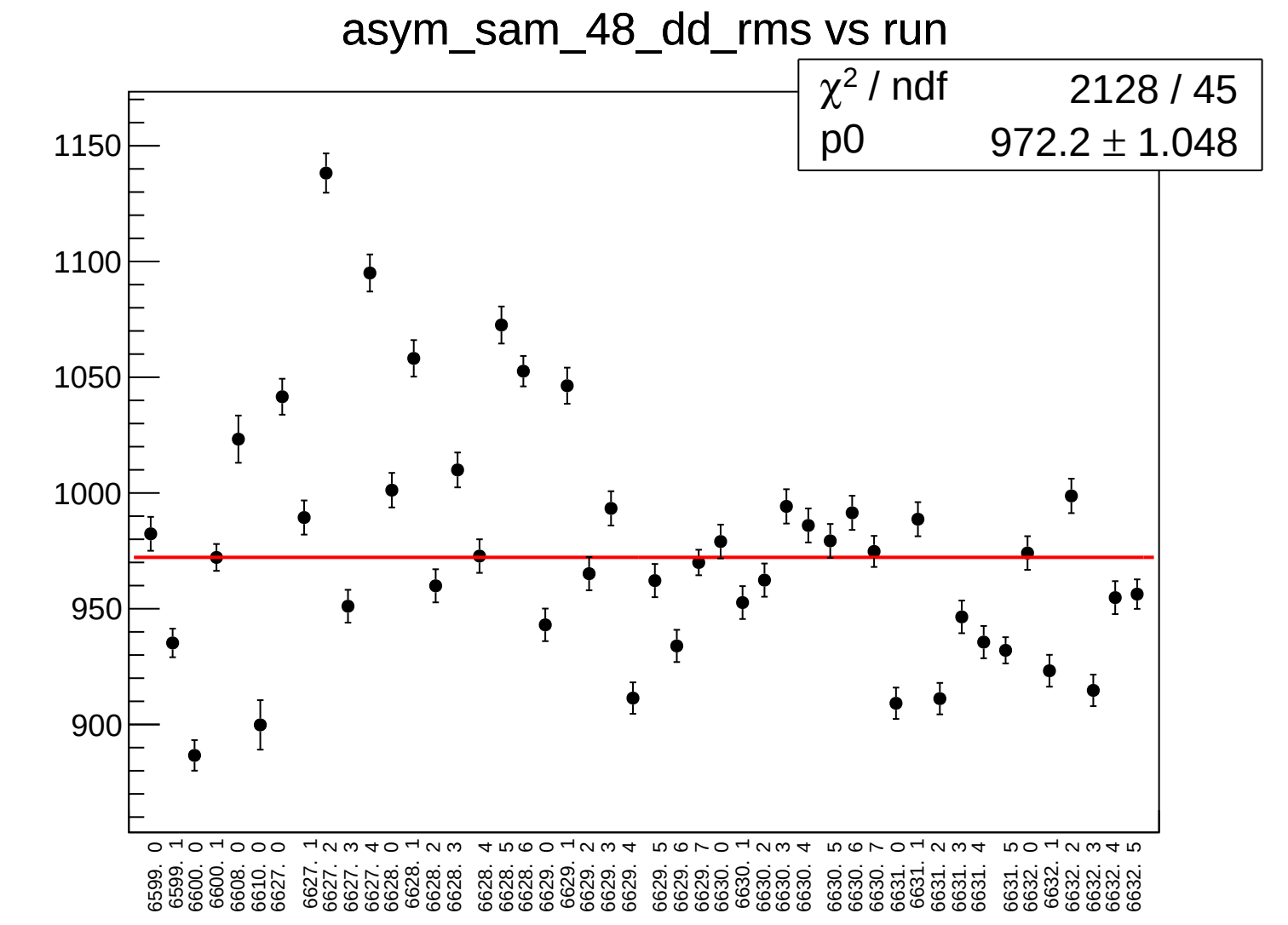
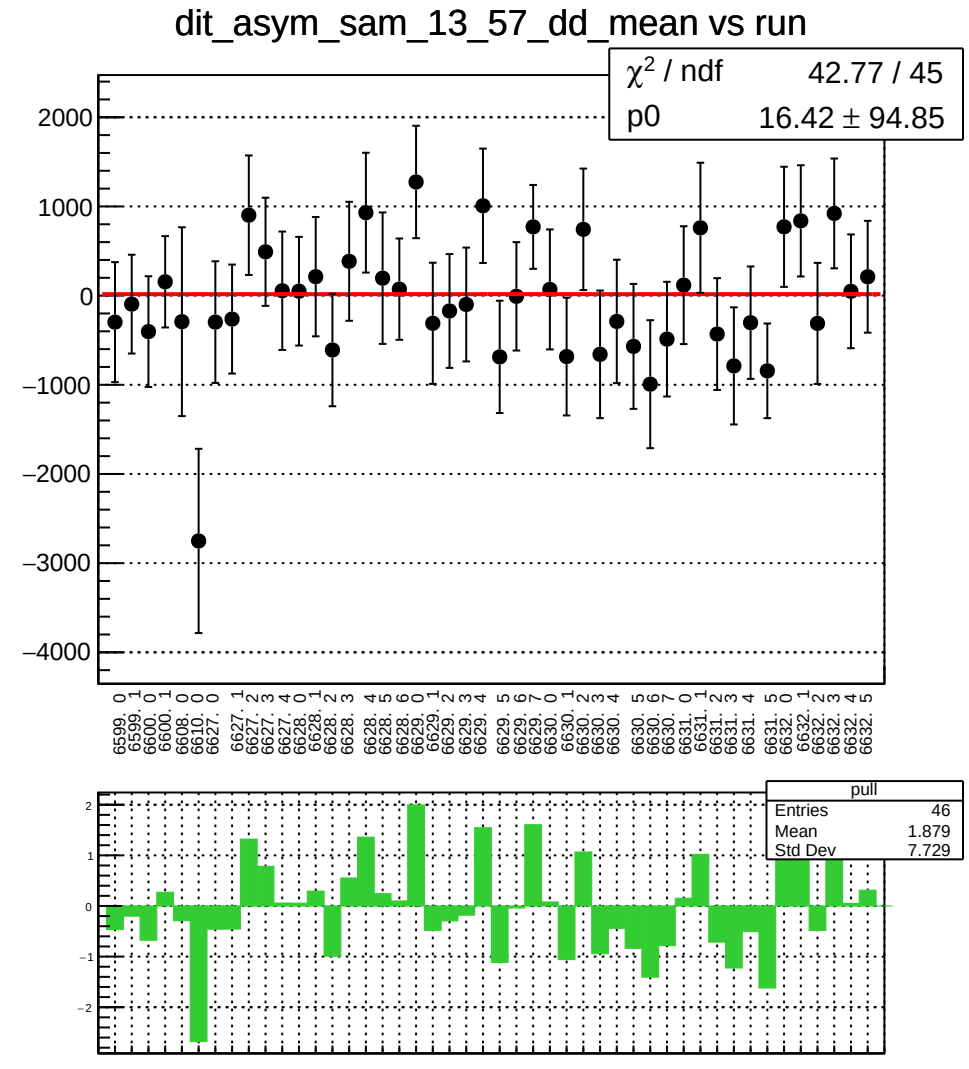
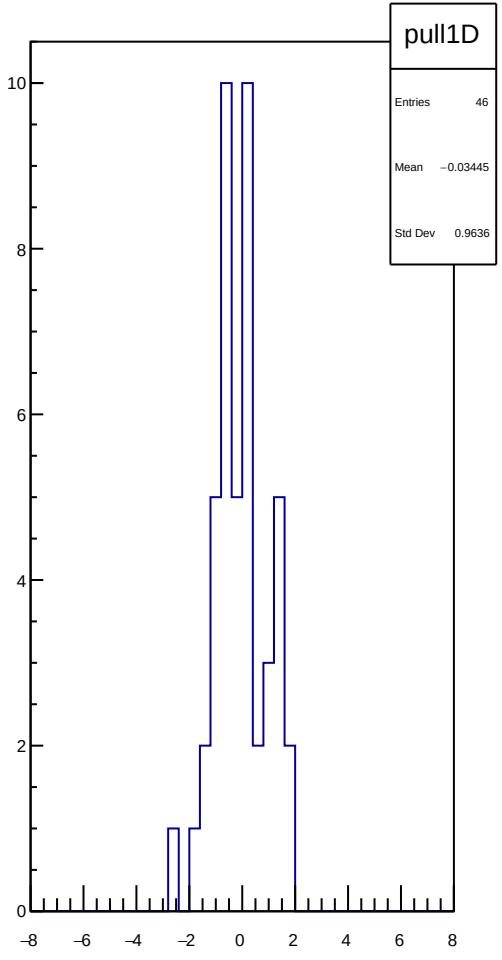
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

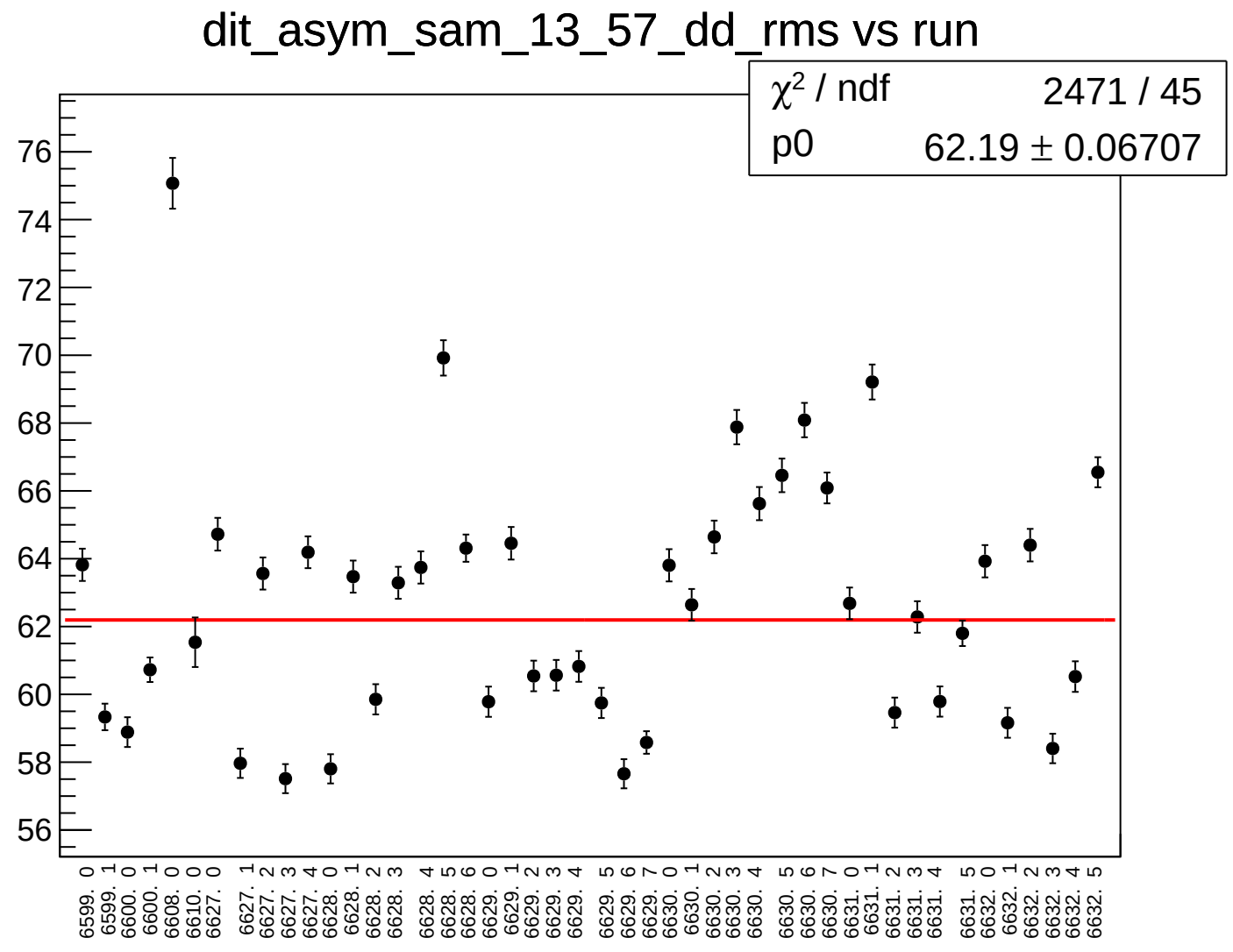

asym_sam_48_dd_mean vs run
χ^2 / ndf 53.77 / 45
p0 −1548 ± 1482
30000
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −68.14
Std Dev 87.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

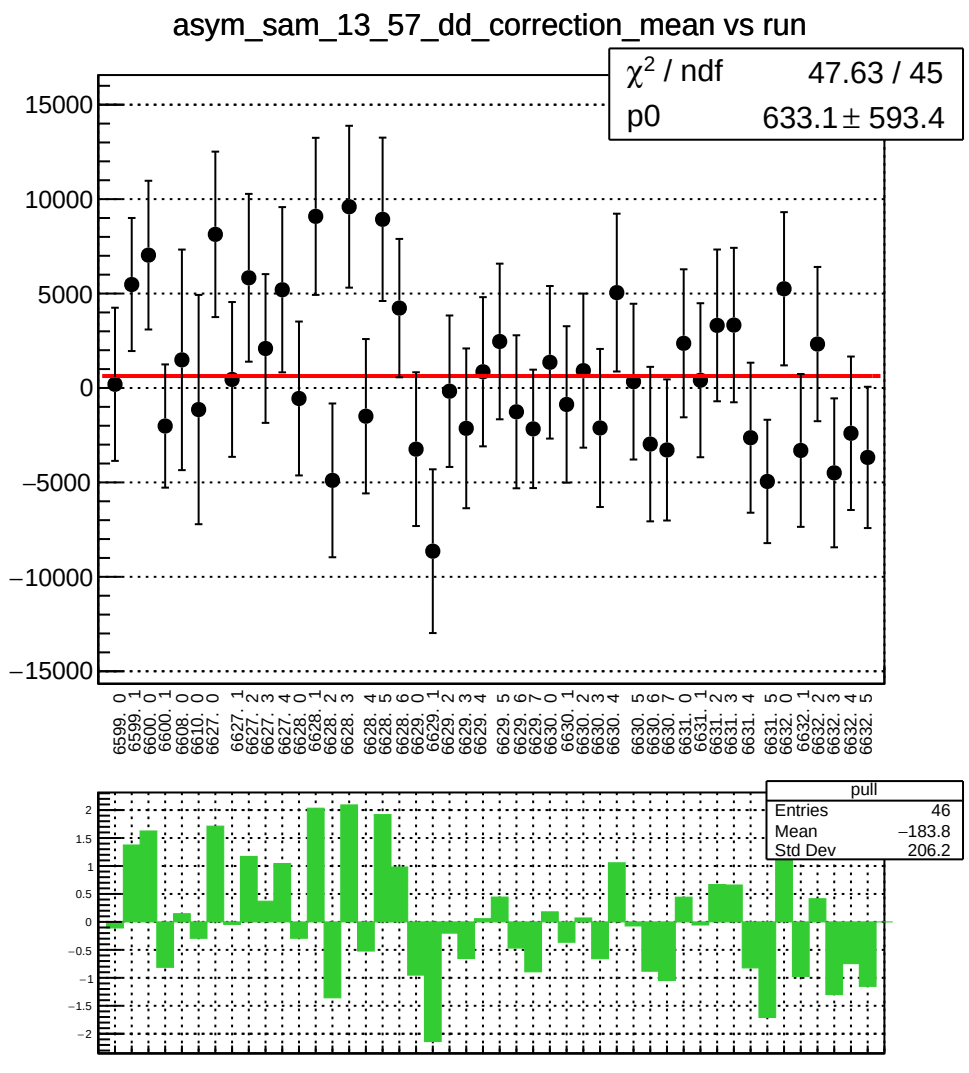

pull1D
Entries 46
Mean 0.01733
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

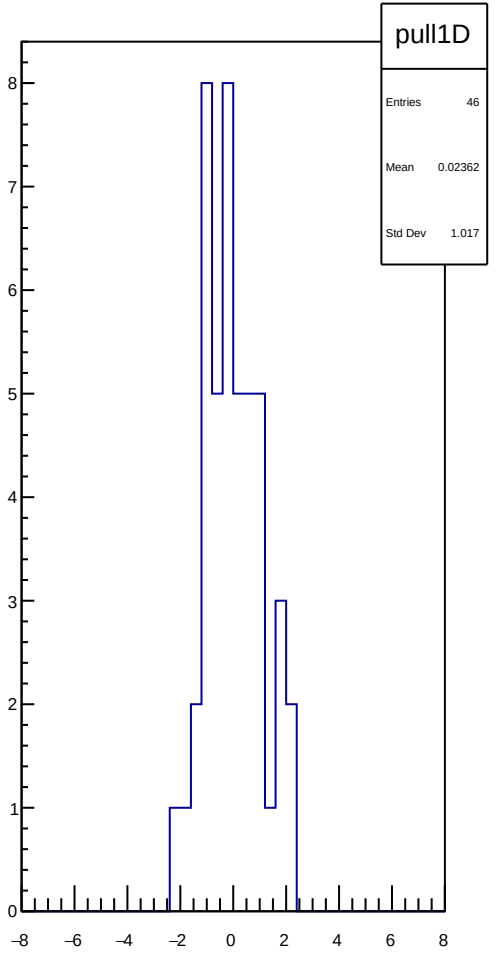

asym_sam_48_dd_rms vs run
χ² / ndf 2128 / 45
p0 972.2 ± 1.048
1150
1100
1050
1000
950
900
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

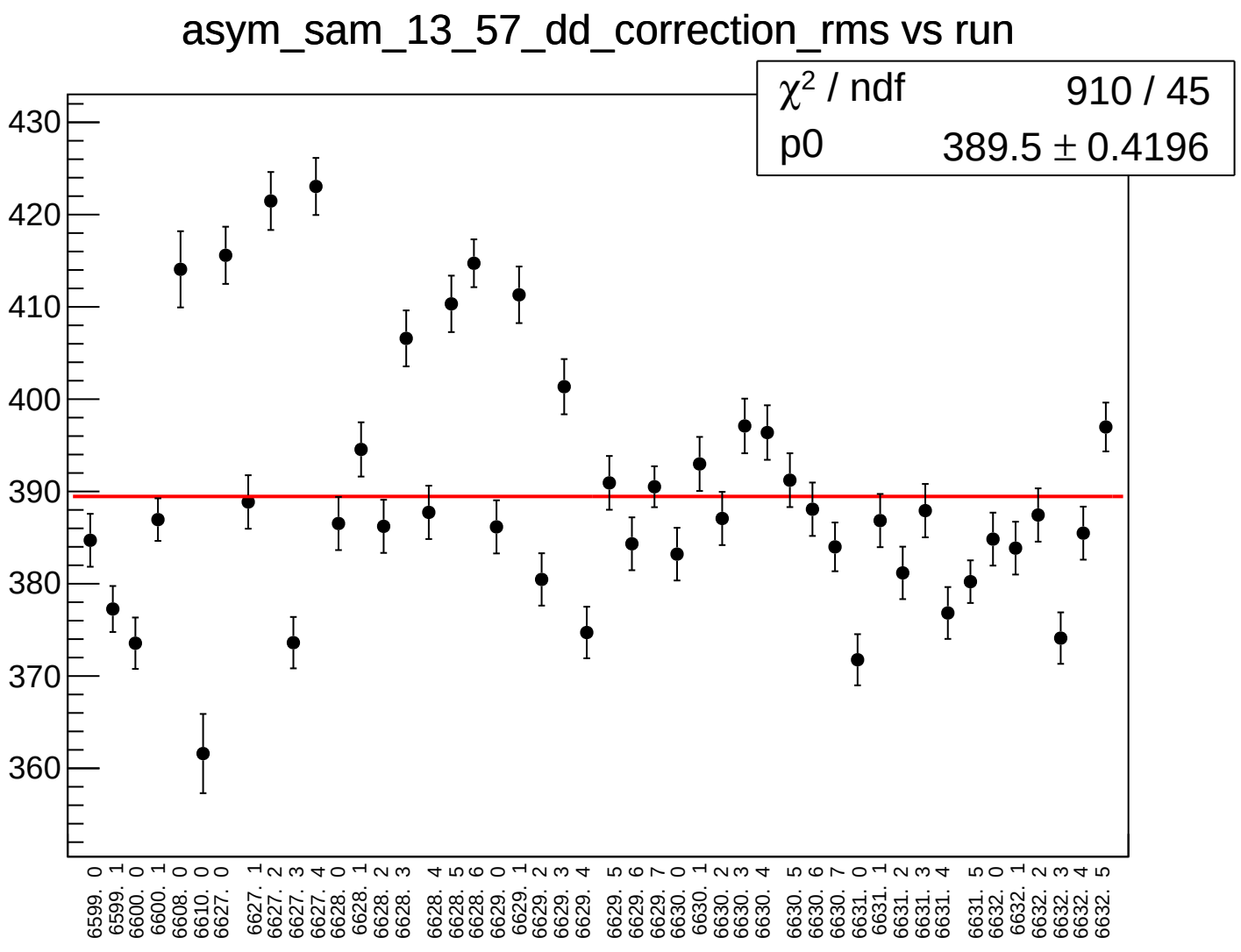

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 42.77 / 45
p0 16.42 ± 94.85
2000
1000
0
−1000
−2000
−3000
−4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 1.879
Std Dev 7.729
2
1
0
−1
−2

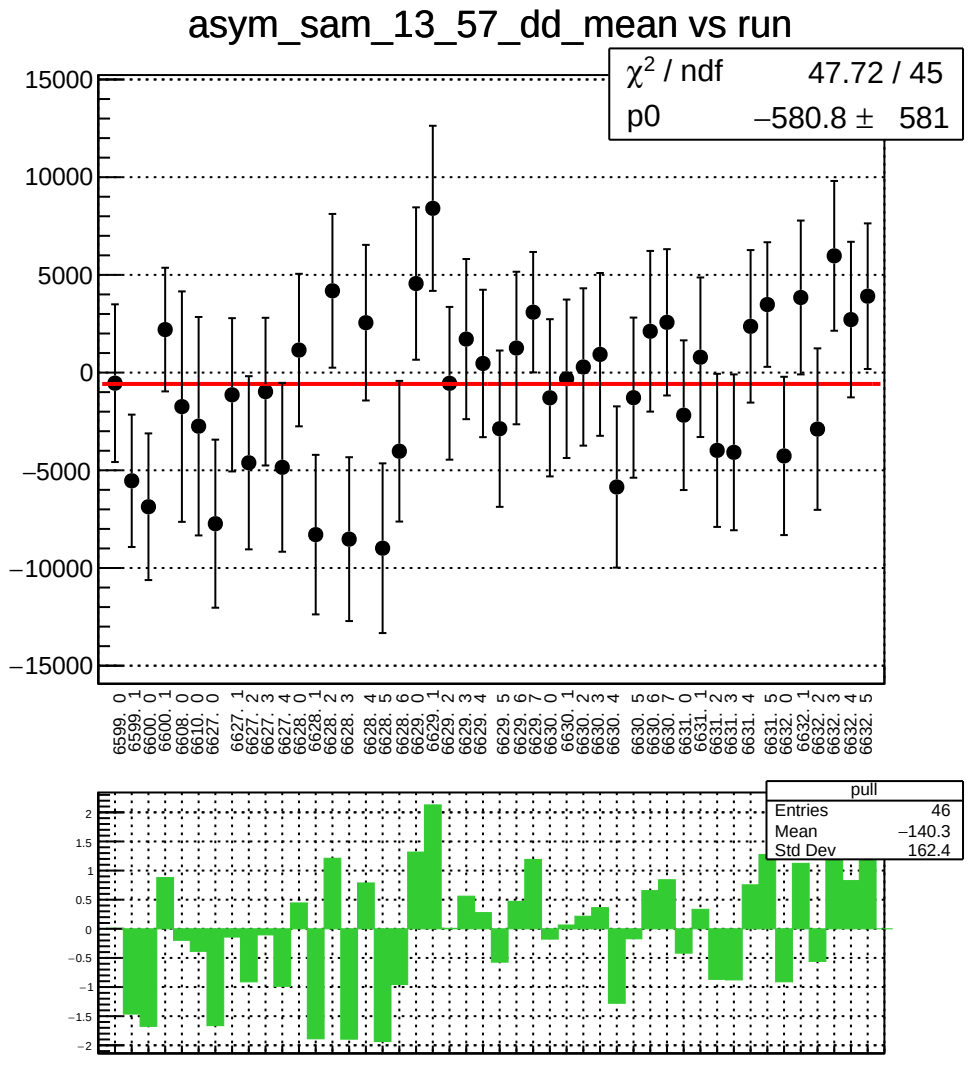

pull1D
Entries 46
Mean −0.03445
Std Dev 0.9636
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

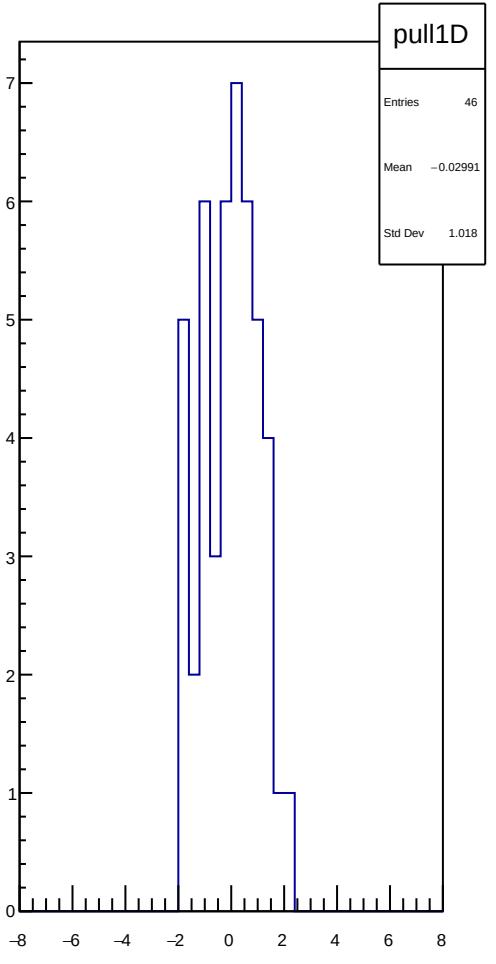

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2471 / 45
p0 62.19 ± 0.06707
76
74
72
70
68
66
64
62
60
58
56
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

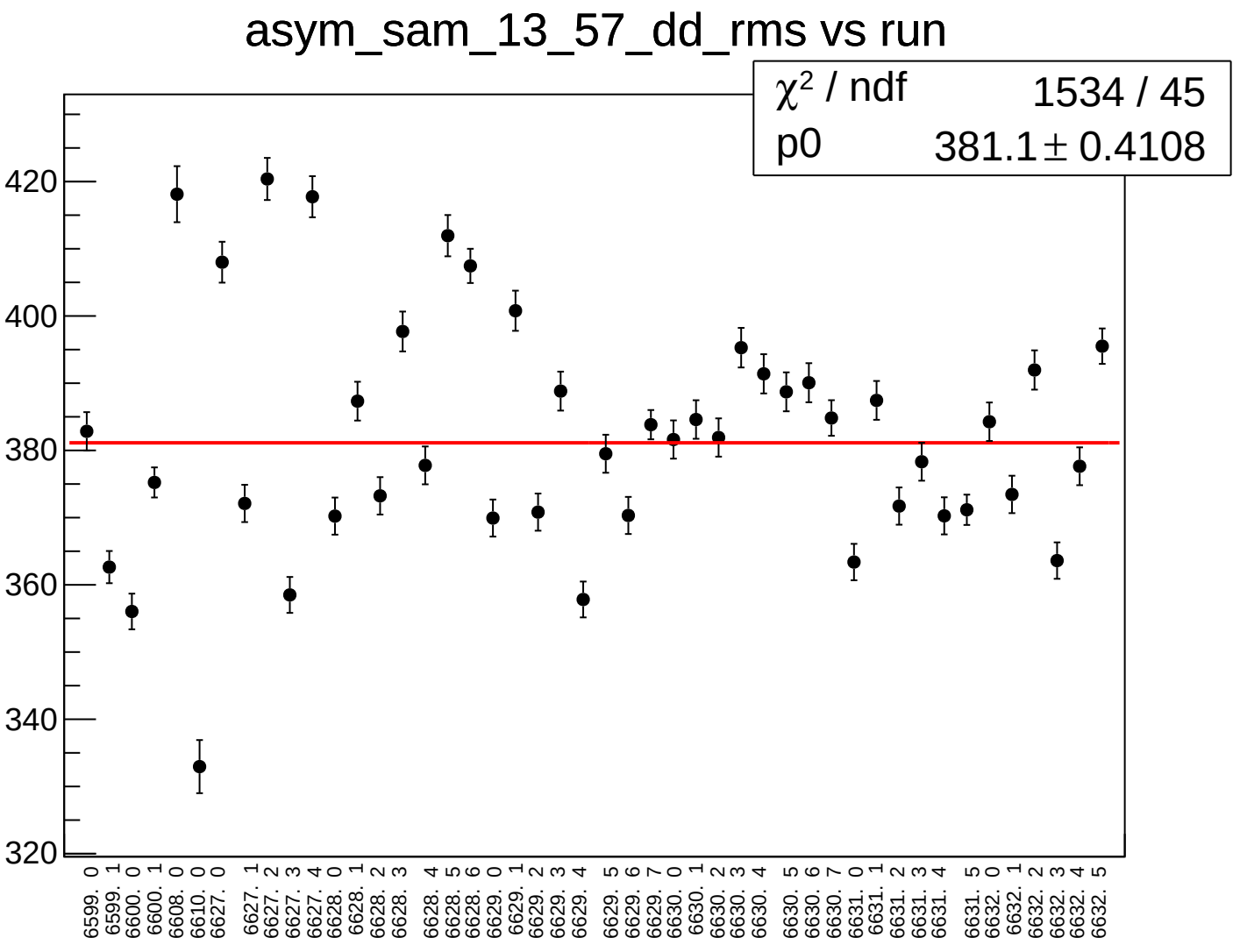

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 47.63 / 45
p0 633.1 ± 593.4
15000
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −183.8
Std Dev 206.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

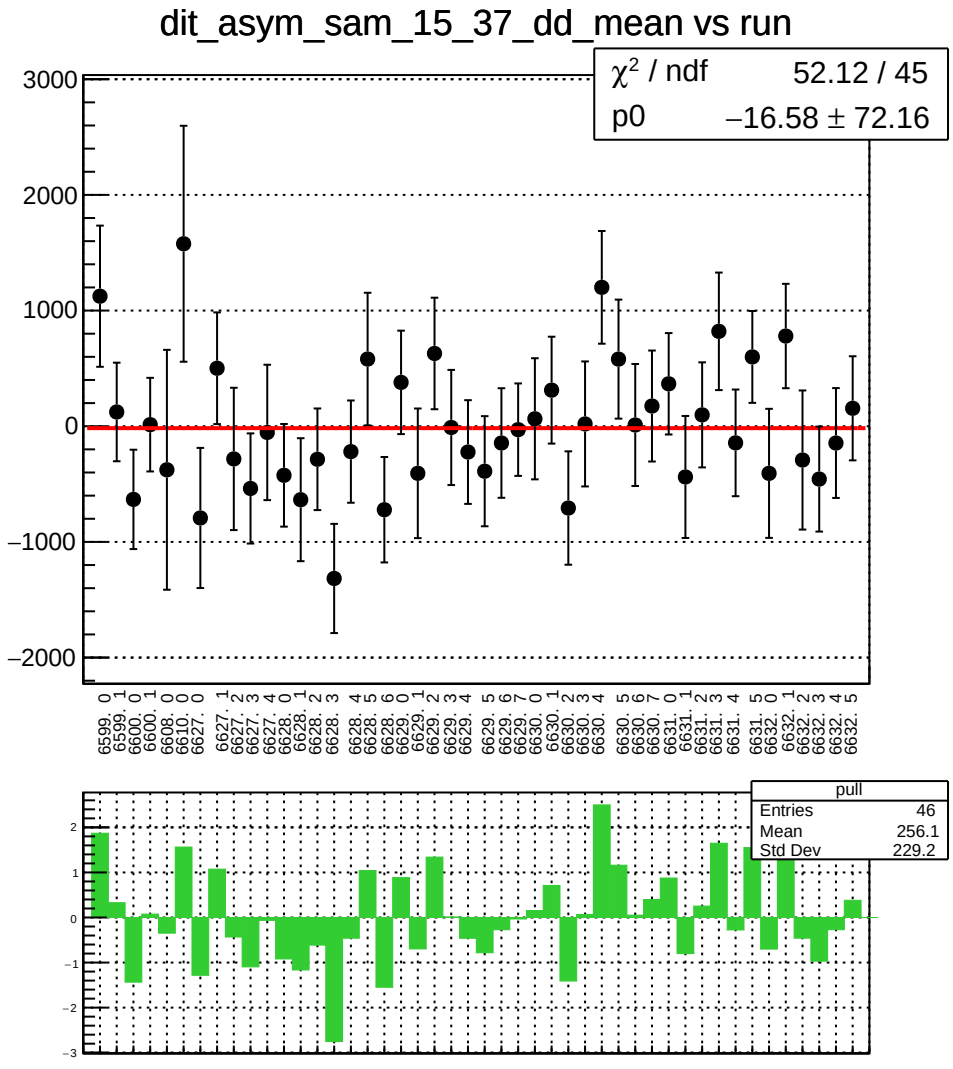

pull1D
Entries 46
Mean 0.02362
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

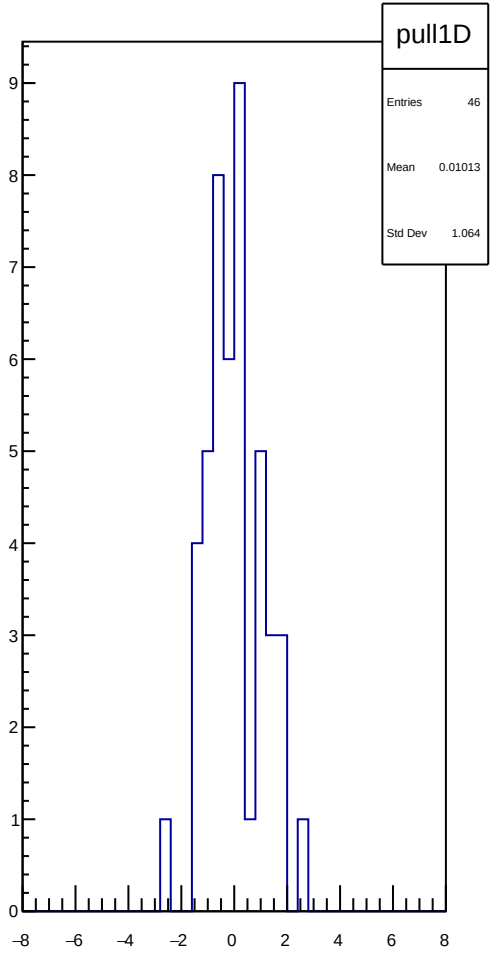

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 910 / 45
p0 389.5 ± 0.4196
430
420
410
400
390
380
370
360
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

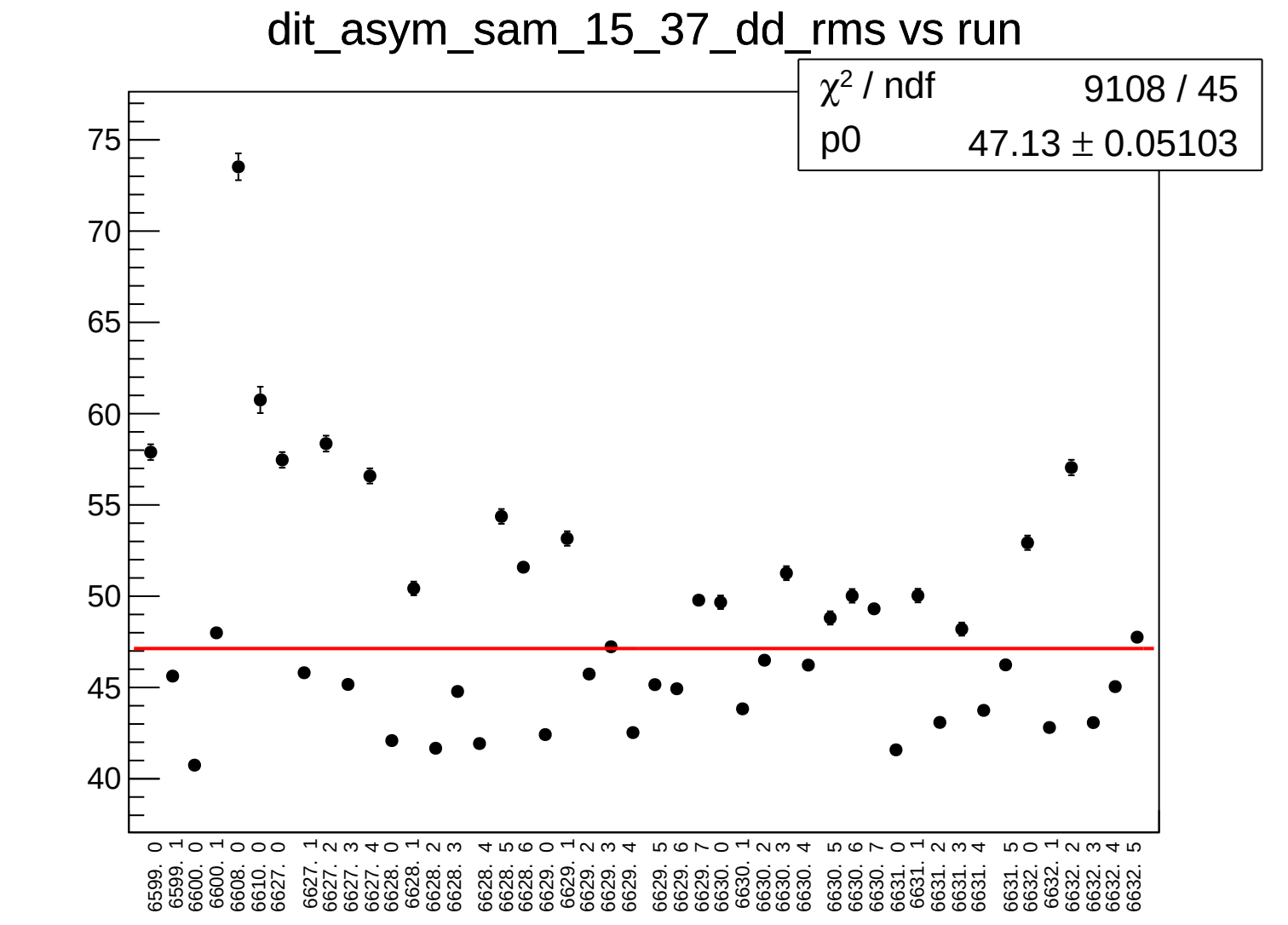

asym_sam_13_57_dd_mean vs run
χ² / ndf 47.72 / 45
p0 −580.8 ± 581
15000
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −140.3
Std Dev 162.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

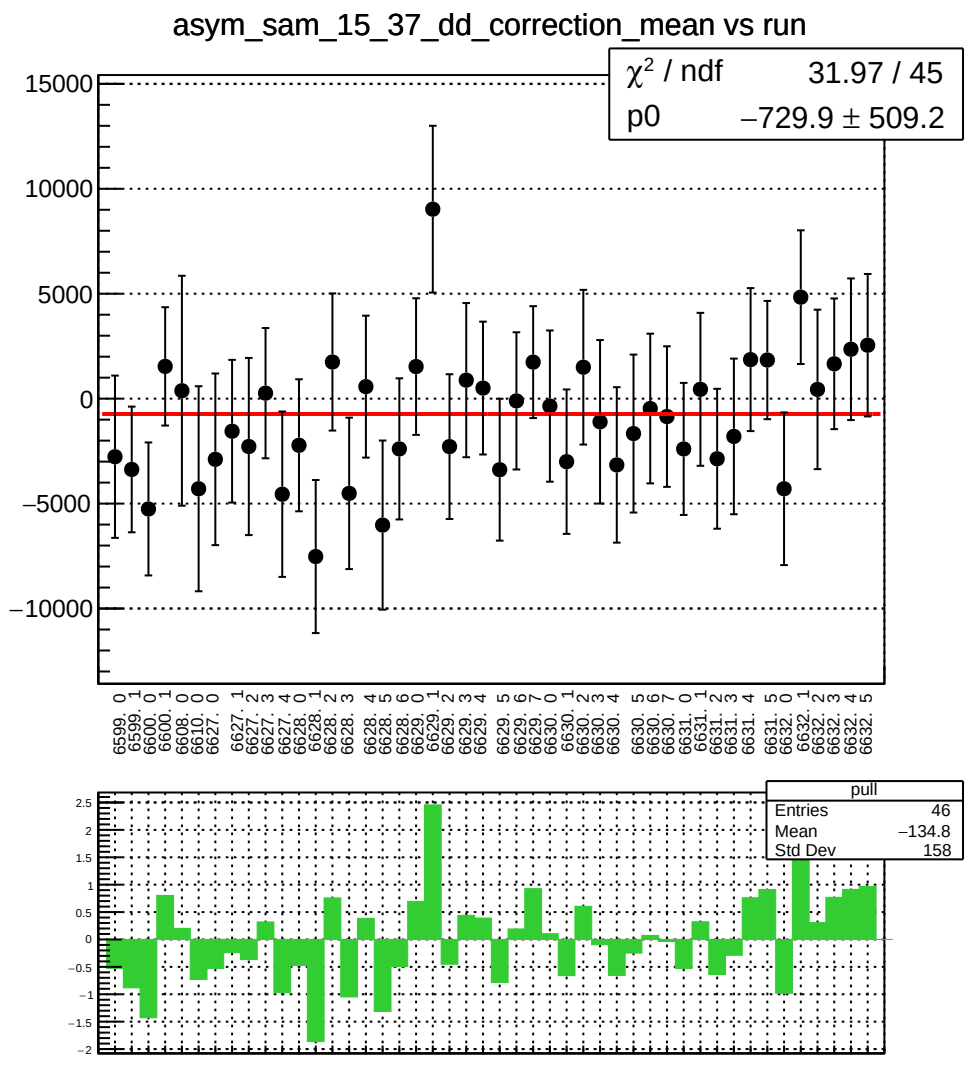

pull1D
Entries 46
Mean −0.02991
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

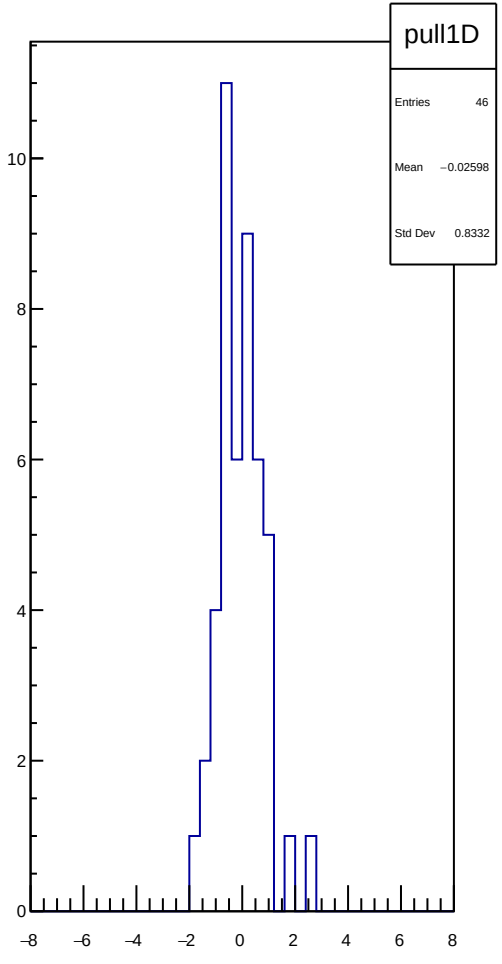

asym_sam_13_57_dd_rms vs run
χ² / ndf 1534 / 45
p0 381.1 ± 0.4108
420
400
380
360
340
320
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

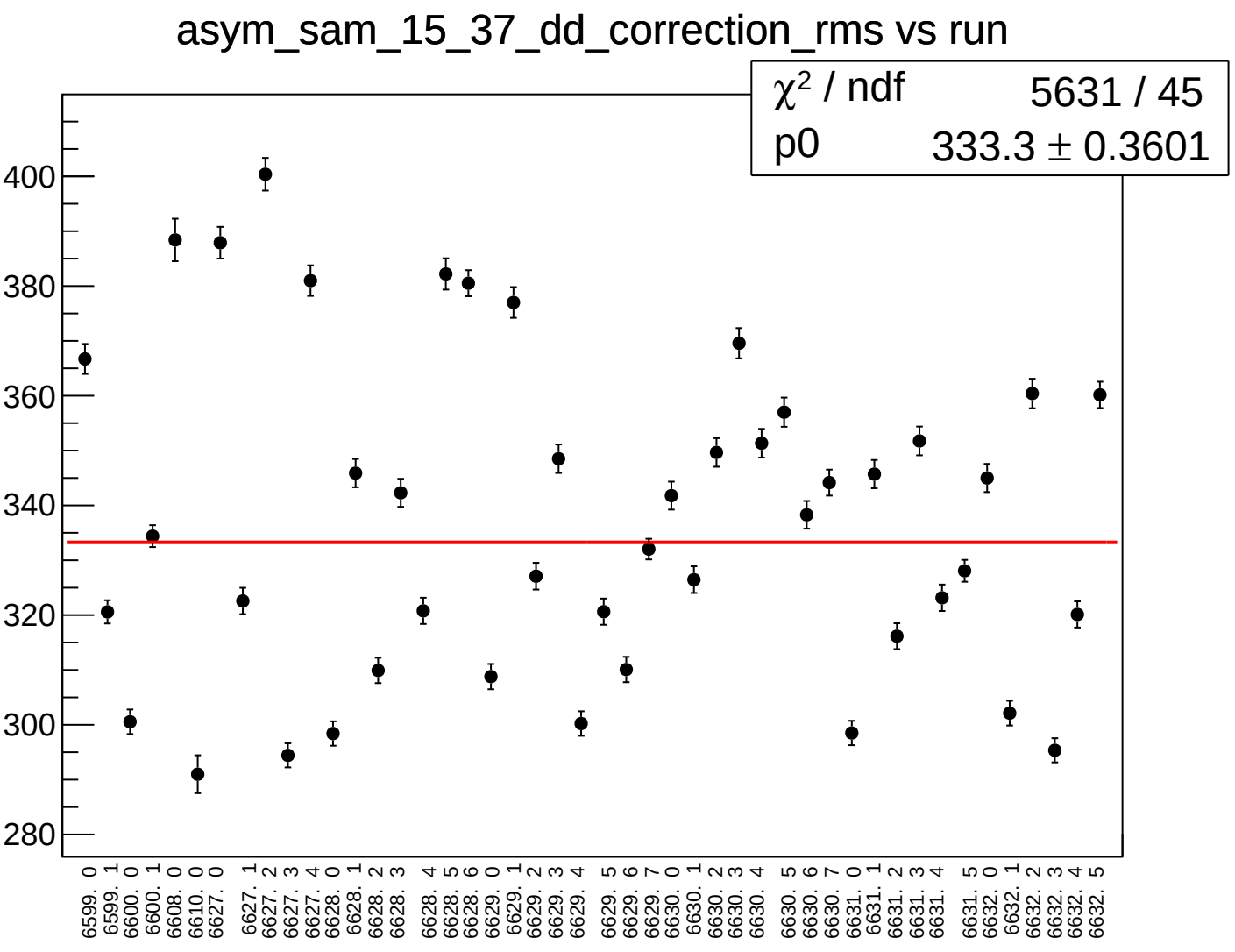

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 52.12 / 45
p0 −16.58 ± 72.16
pull
Entries 46
Mean 256.1
Std Dev 229.2

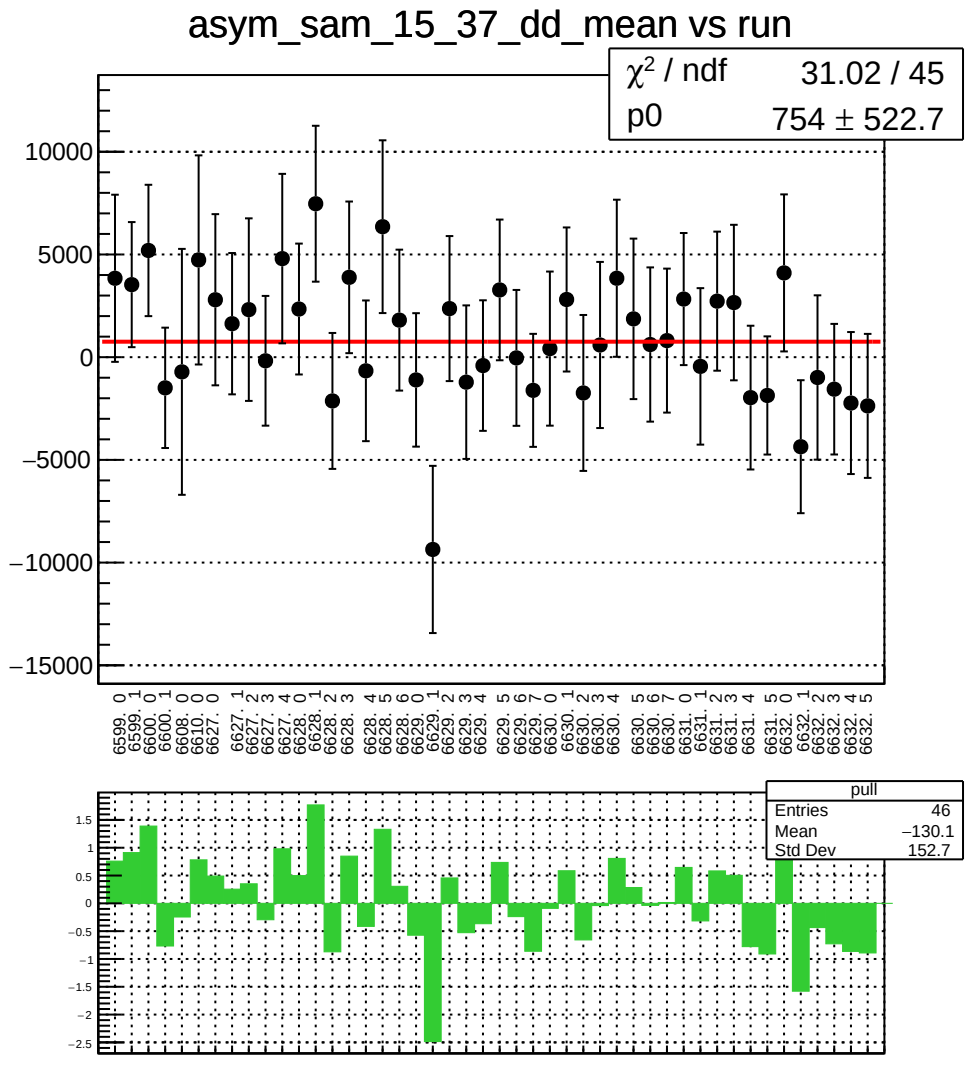

pull1D
Entries 46
Mean 0.01013
Std Dev 1.064

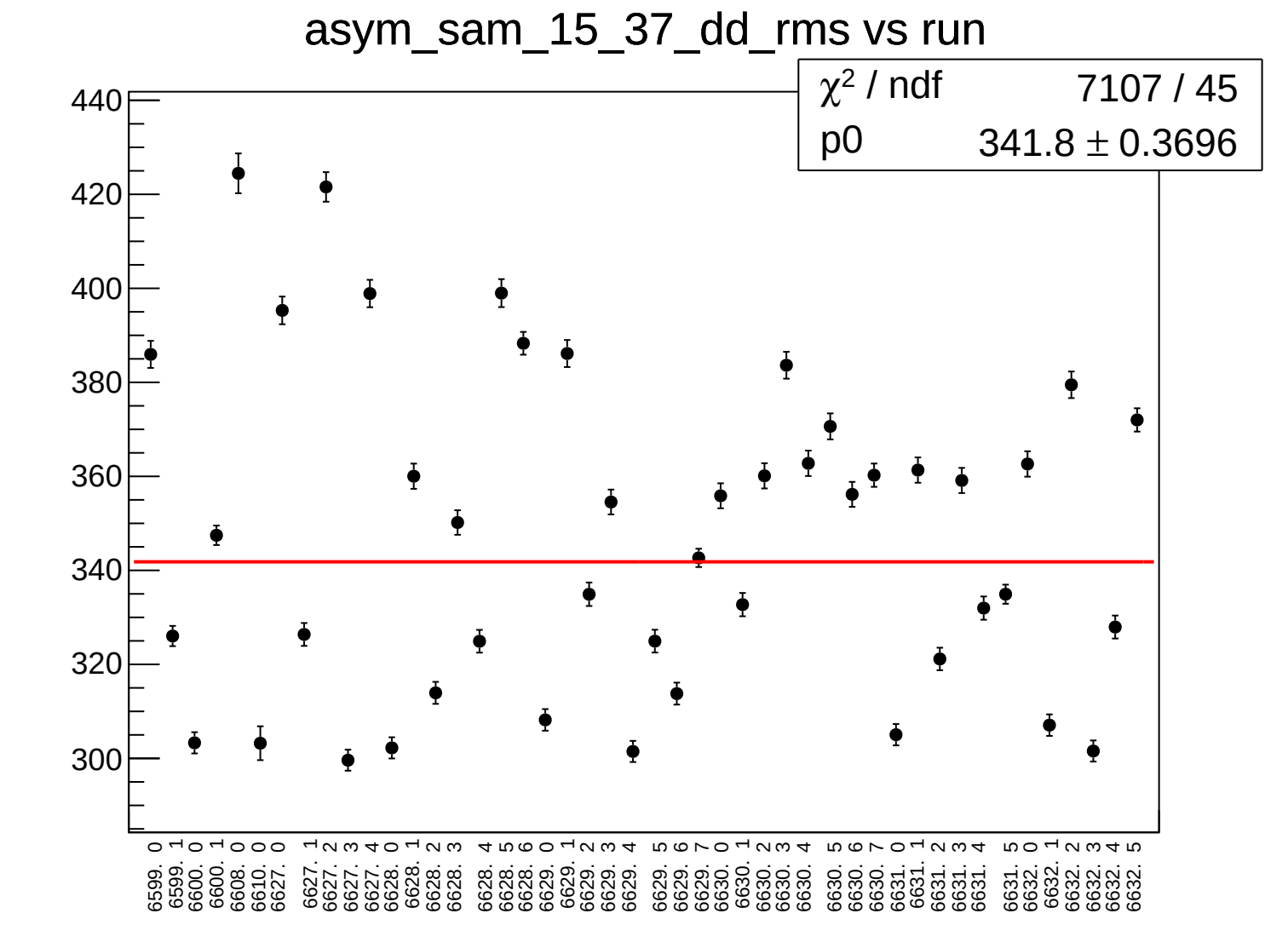

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 9108 / 45
p0 47.13 ± 0.05103
75
70
65
60
55
50
45
40
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

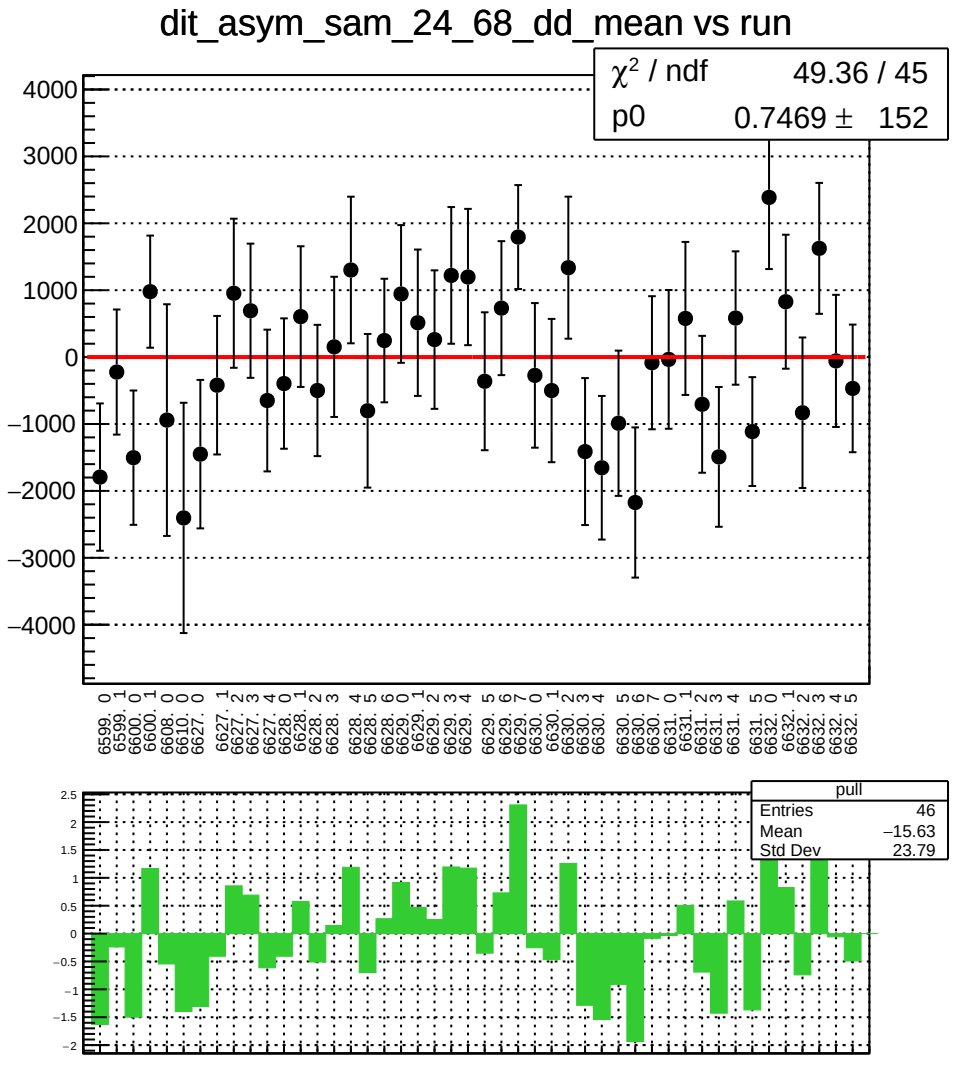

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 31.97 / 45
p0 −729.9 ± 509.2
15000
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −134.8
Std Dev 158
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

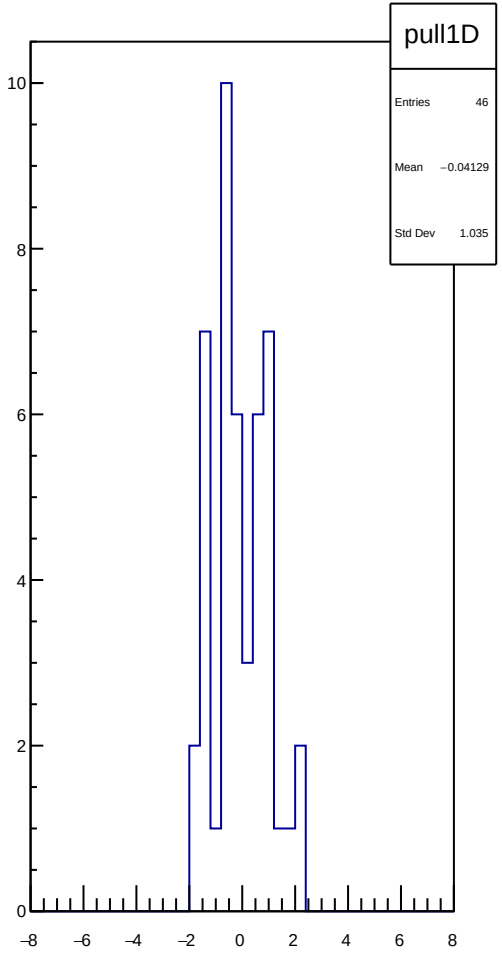

pull1D
Entries 46
Mean −0.02598
Std Dev 0.8332
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

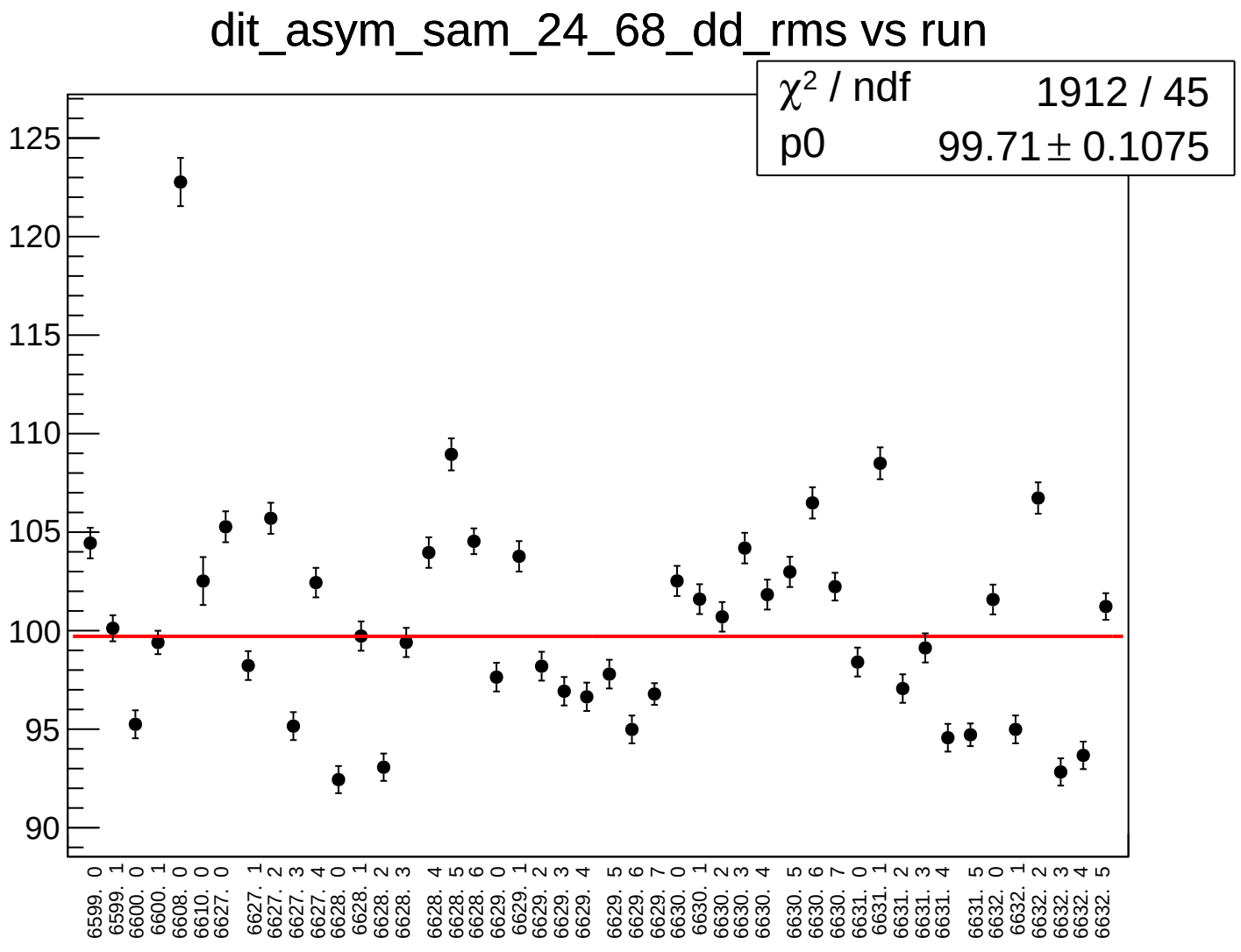

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 5631 / 45
p0 333.3 ± 0.3601
400
380
360
340
320
300
280
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

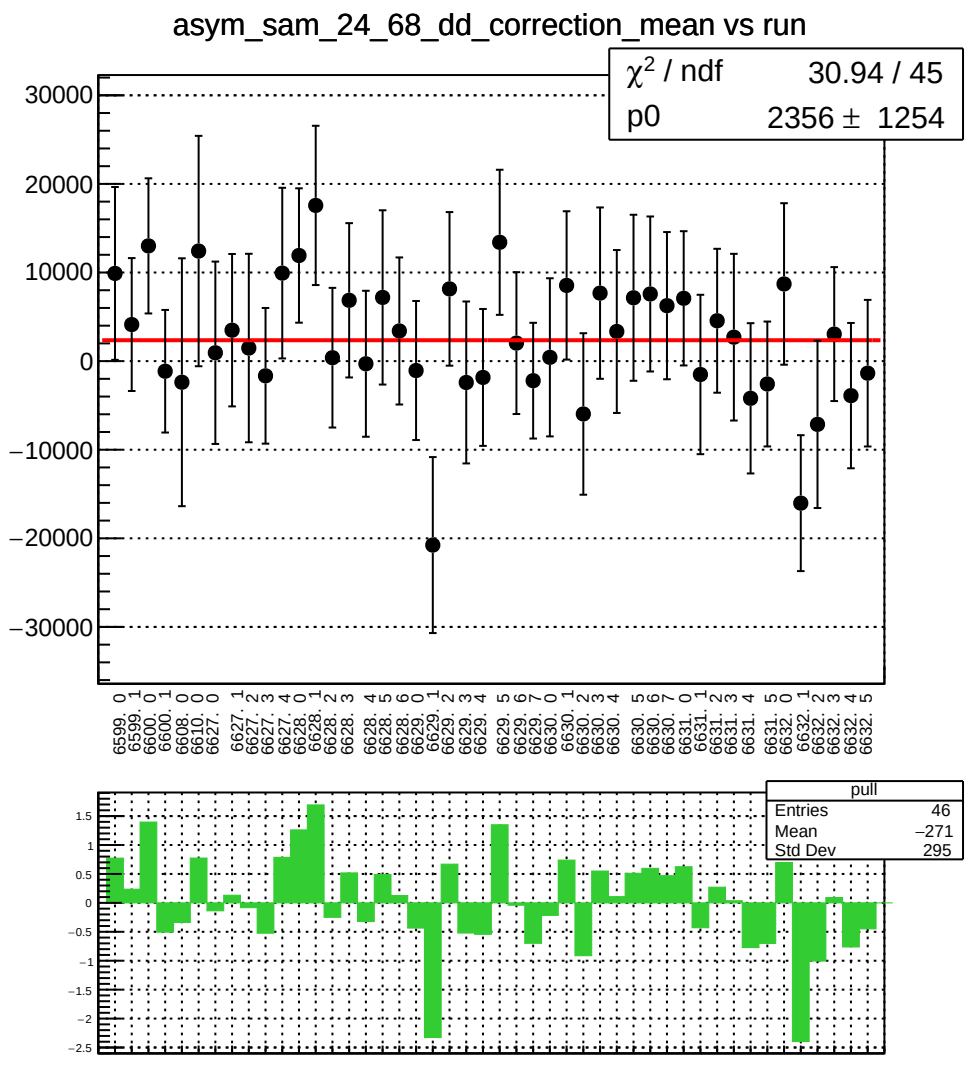

asym_sam_15_37_dd_mean vs run
χ² / ndf 31.02 / 45
p0 754 ± 522.7
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −130.1
Std Dev 152.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean 0.02612
Std Dev 0.8208
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

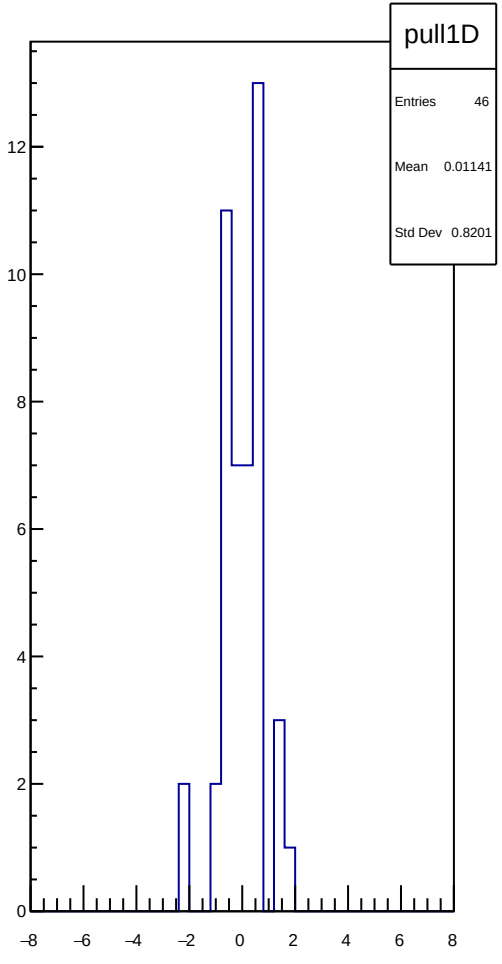

asym_sam_15_37_dd_rms vs run
χ² / ndf 7107 / 45
p0 341.8 ± 0.3696
440
420
400
380
360
340
320
300
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

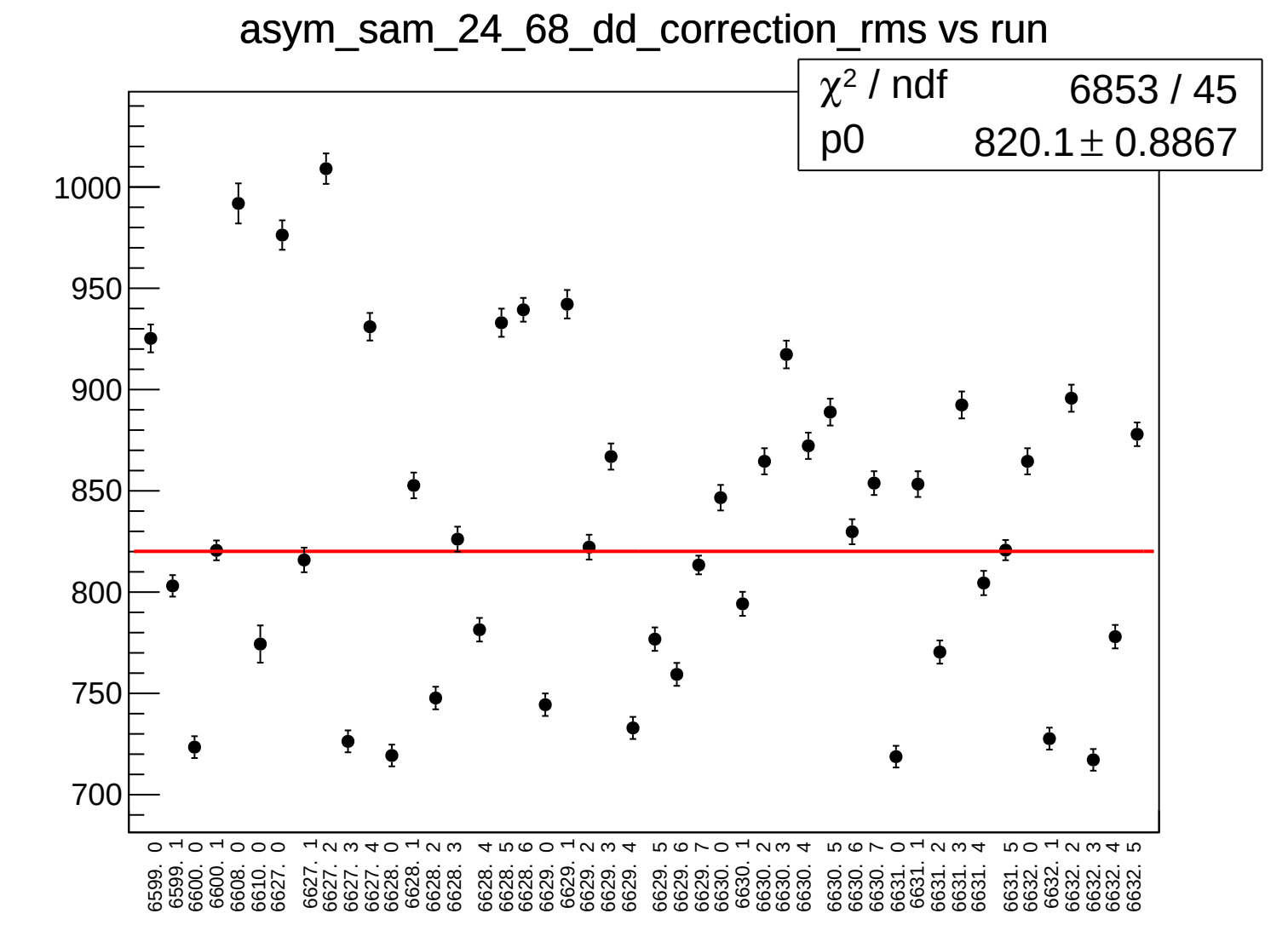

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 49.36 / 45
p0 0.7469 ± 152
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −15.63
Std Dev 23.79
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

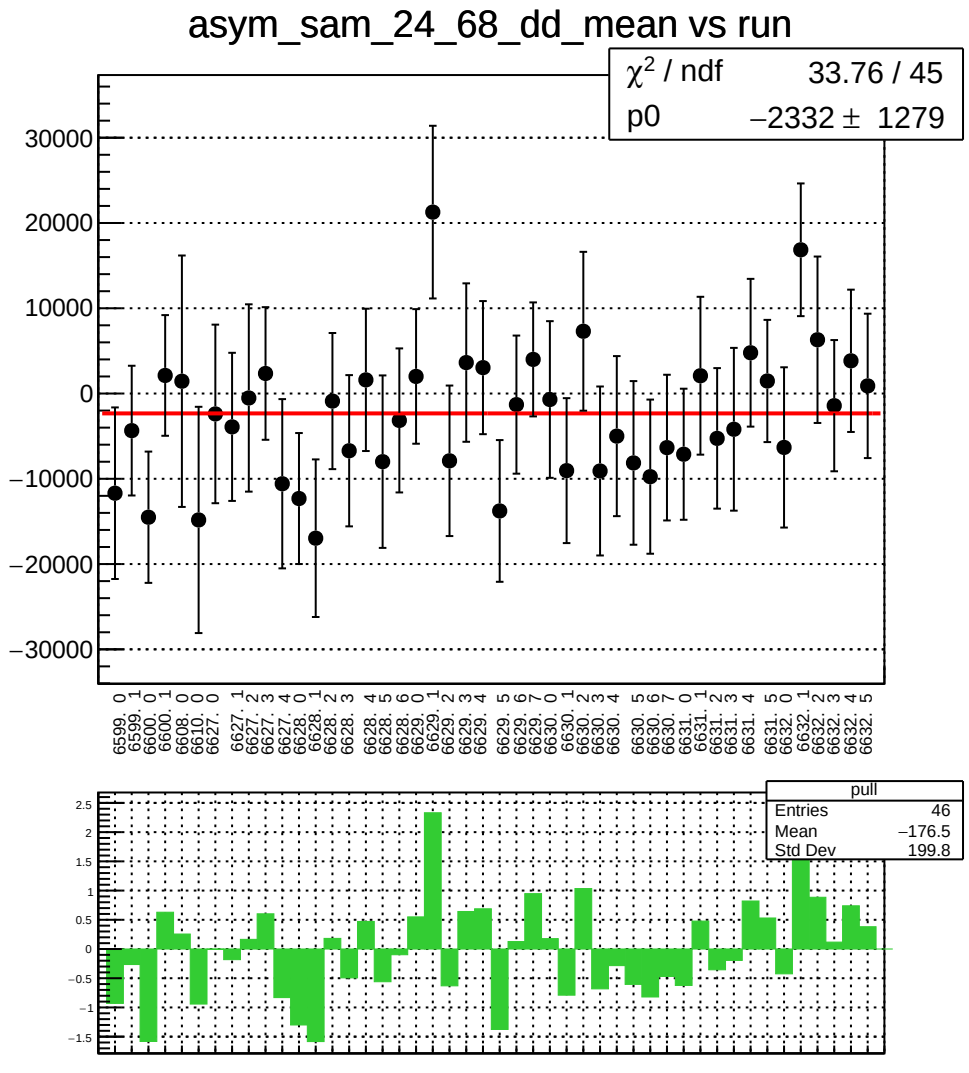

pull1D
Entries 46
Mean −0.04129
Std Dev 1.035
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

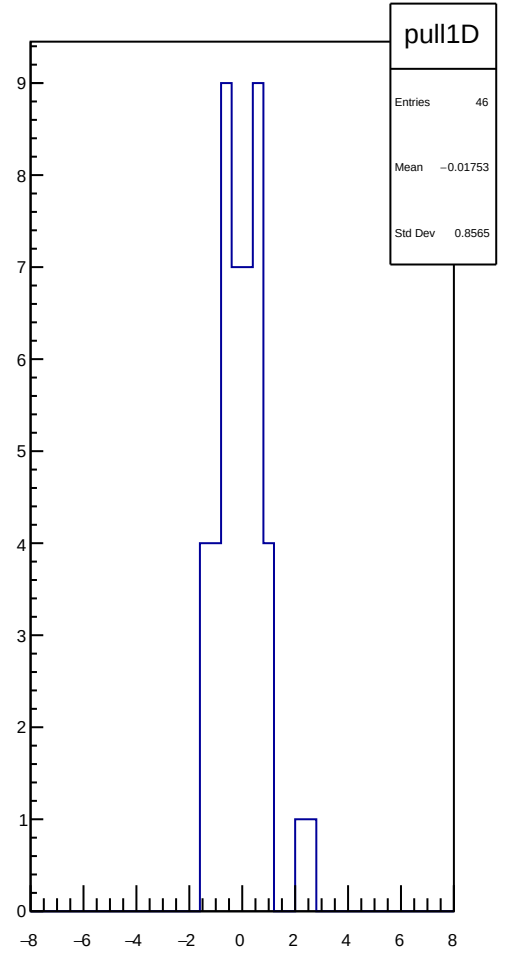

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1912 / 45
p0 99.71 ± 0.1075
125
120
115
110
105
100
95
90
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

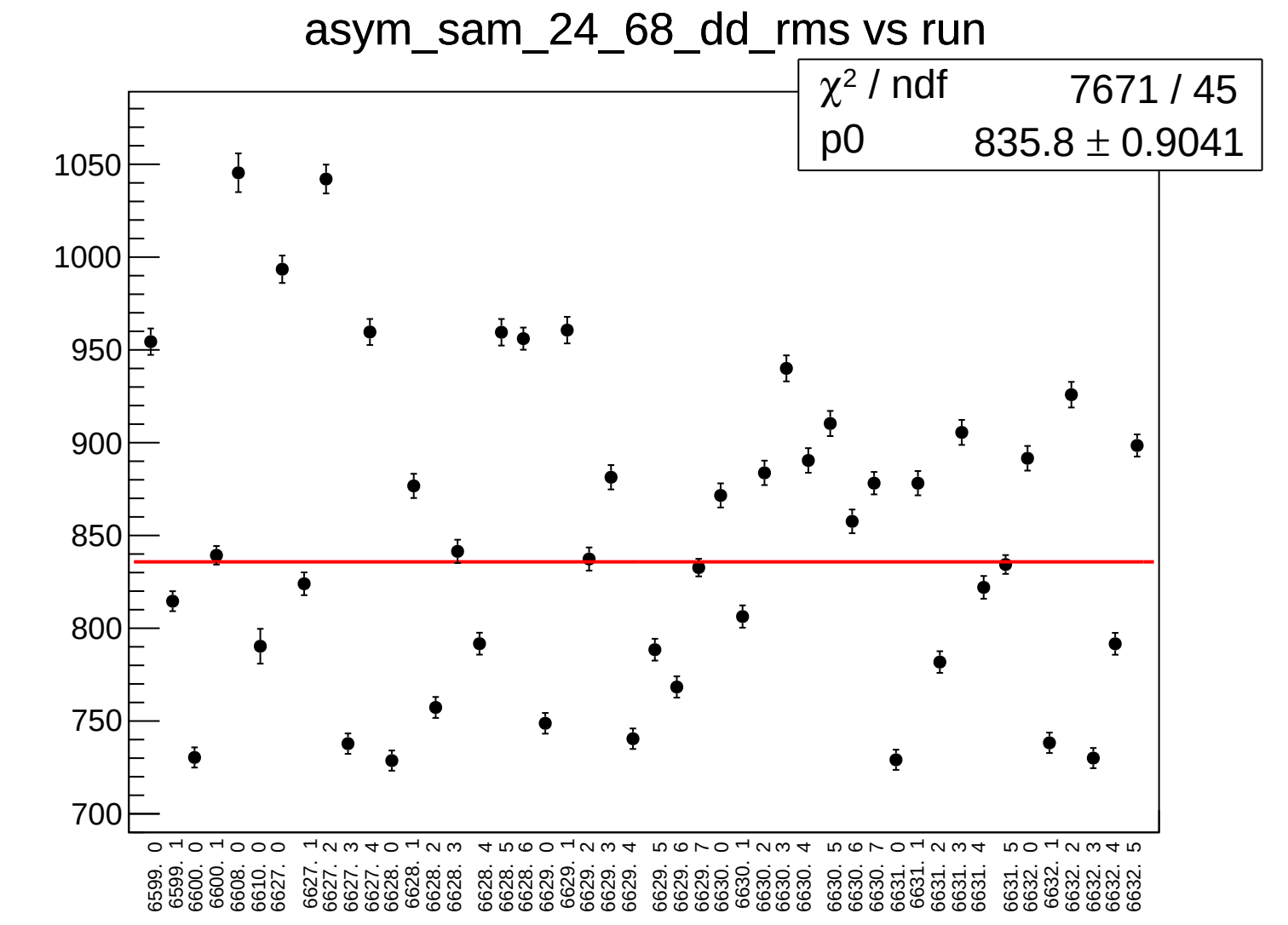

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 30.94 / 45
p0 2356 ± 1254
30000
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −271
Std Dev 295
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

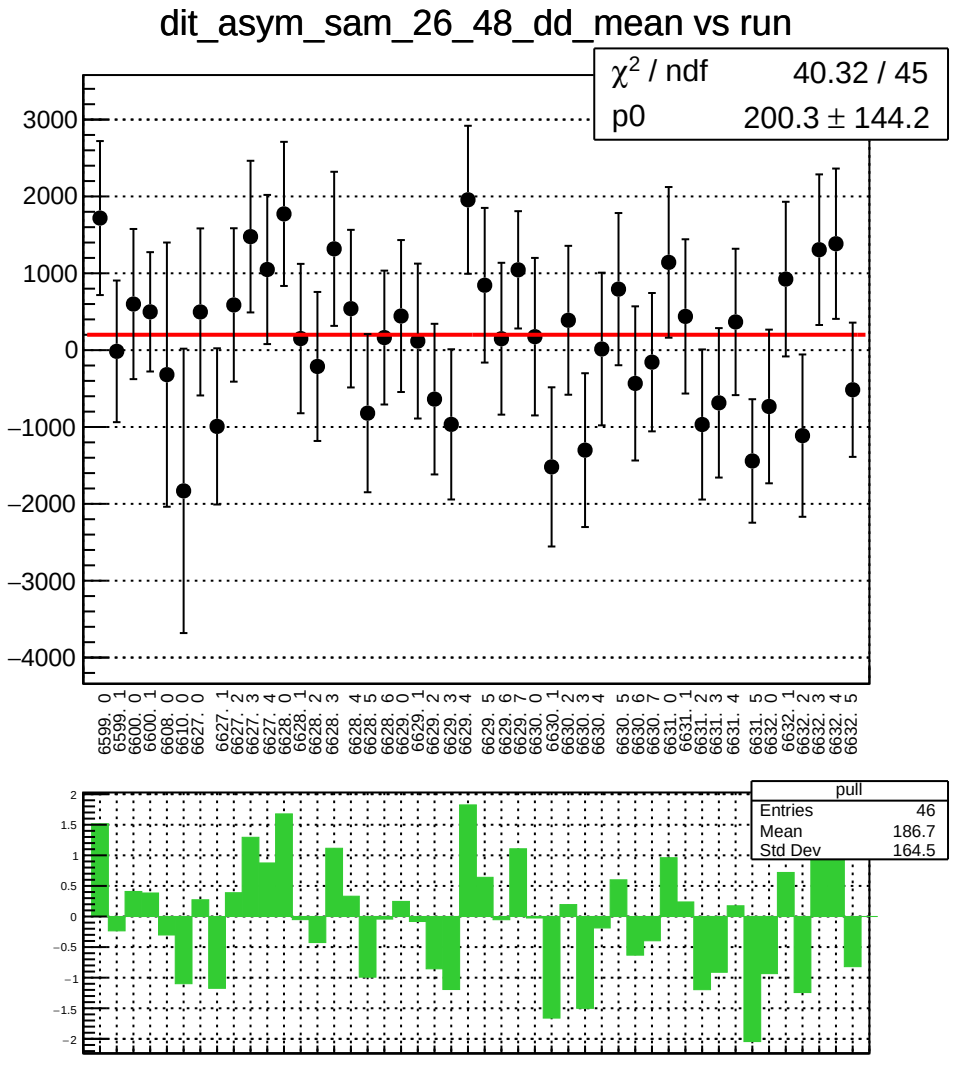

pull1D
Entries 46
Mean 0.01141
Std Dev 0.8201
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

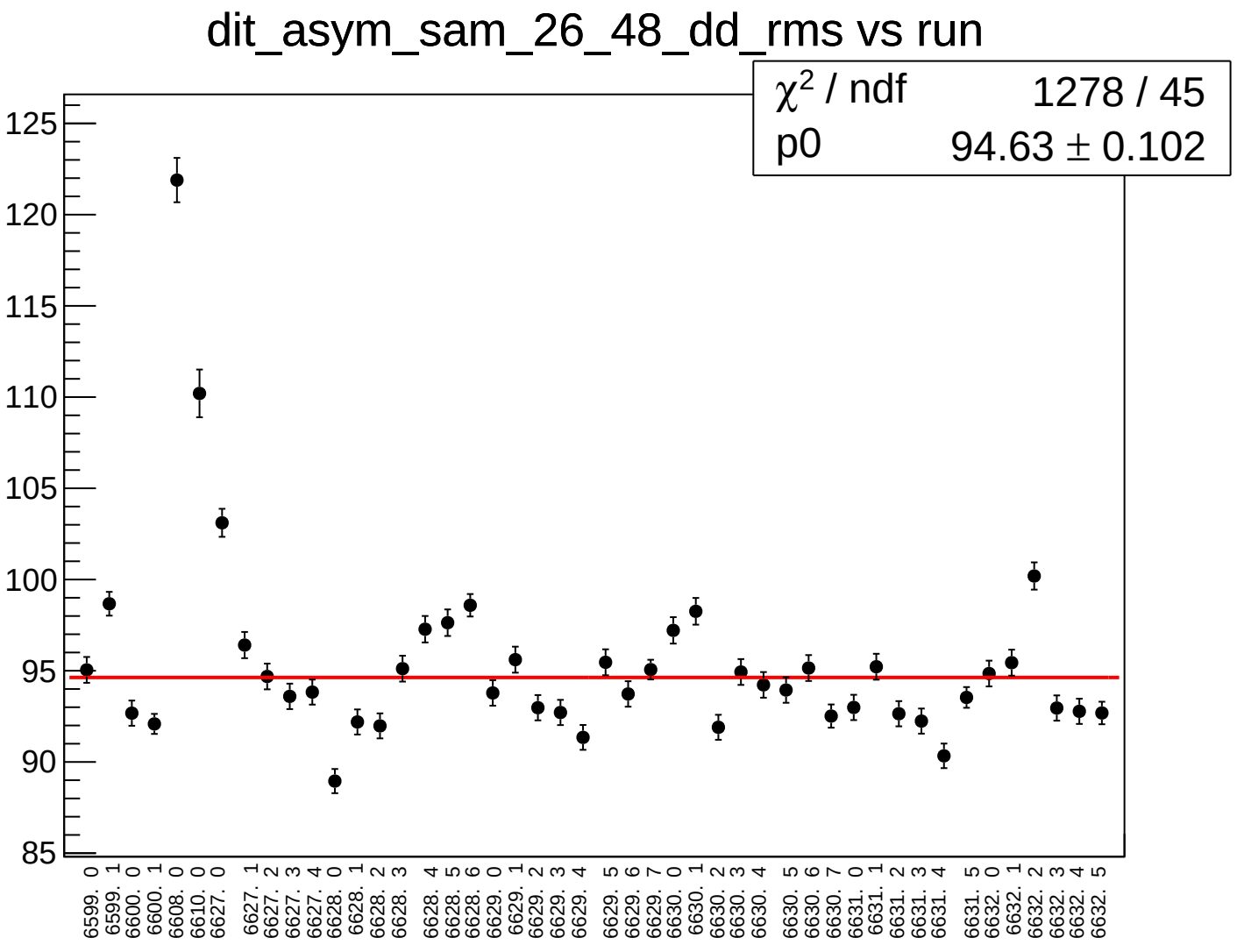

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 6853 / 45
p0 820.1 ± 0.8867
1000
950
900
850
800
750
700
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

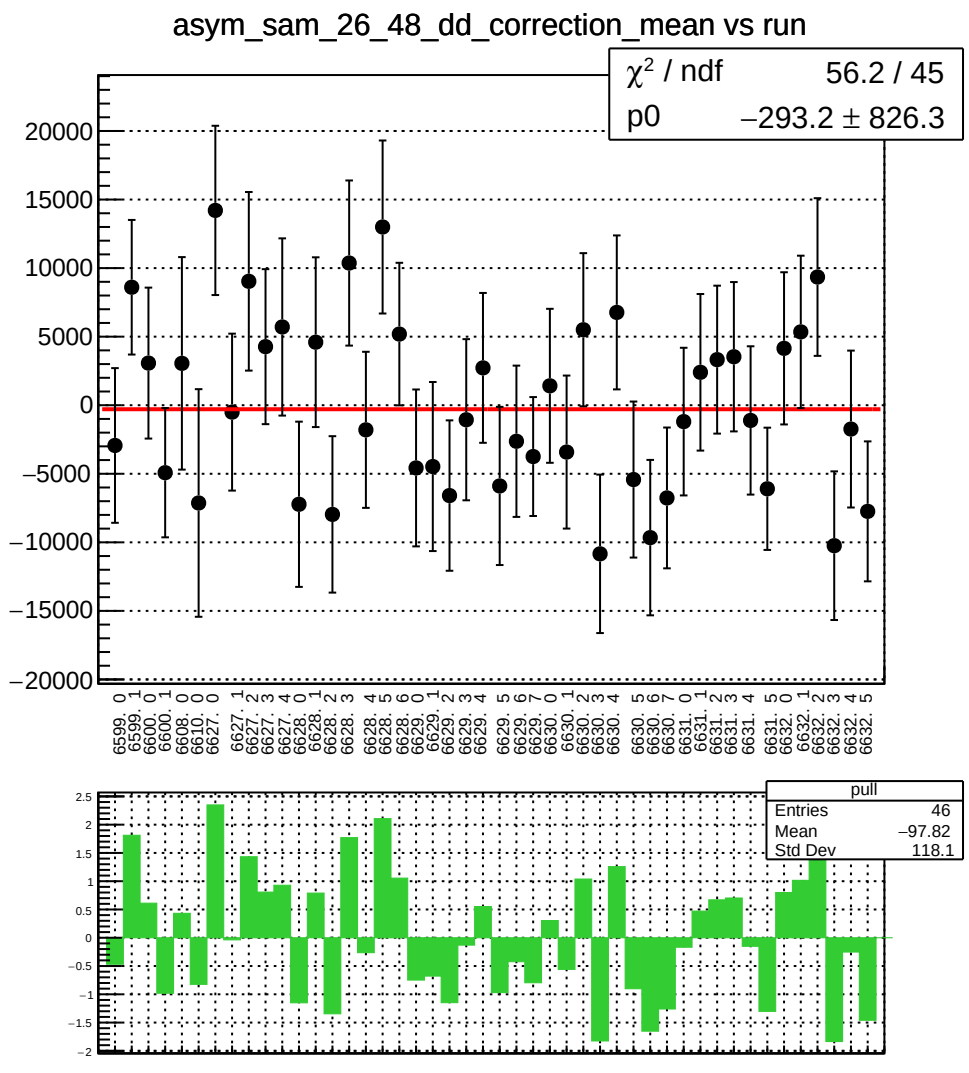

asym_sam_24_68_dd_mean vs run
χ² / ndf 33.76 / 45
p0 −2332 ± 1279
30000
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −176.5
Std Dev 199.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

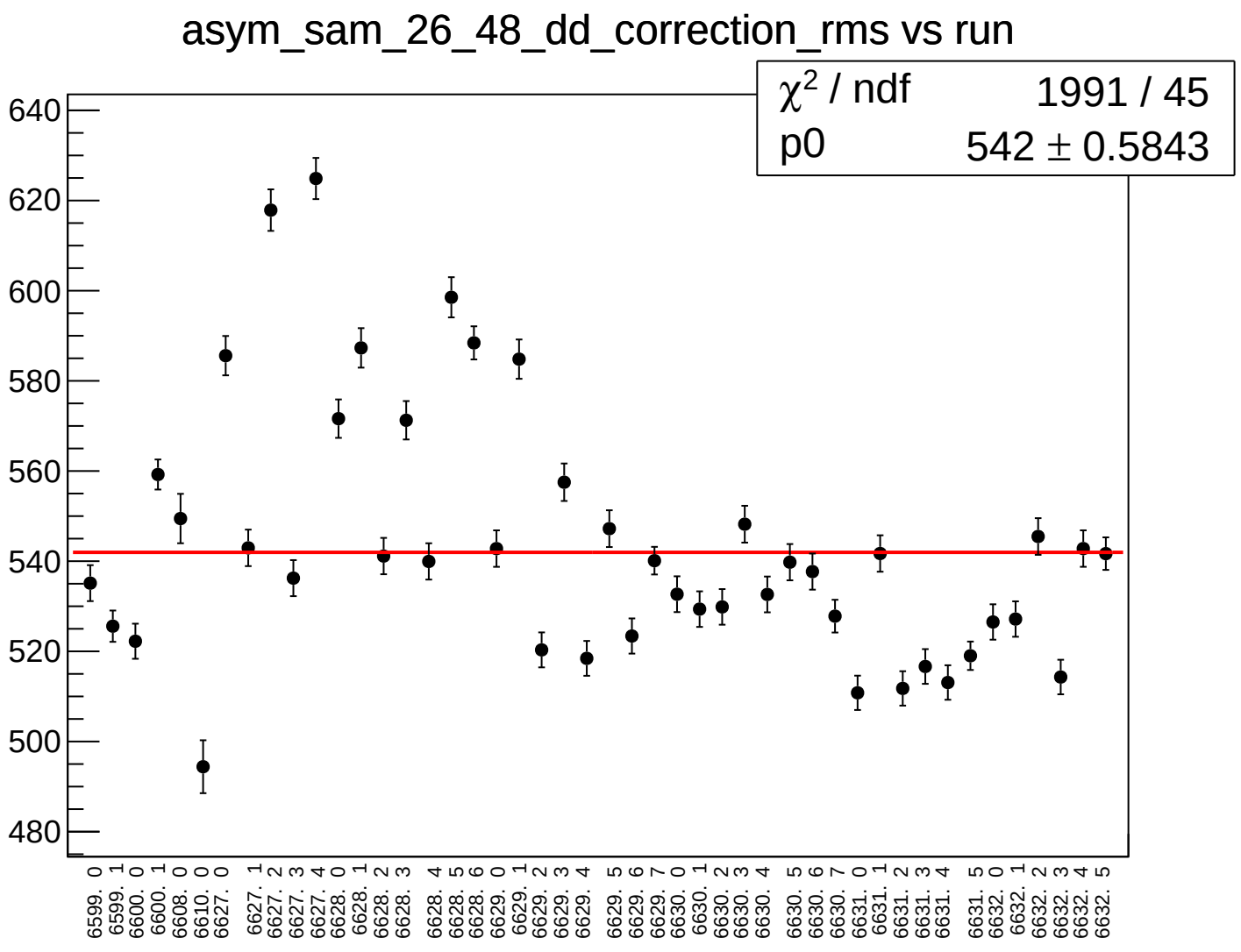

pull1D
Entries 46
Mean −0.01753
Std Dev 0.8565
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

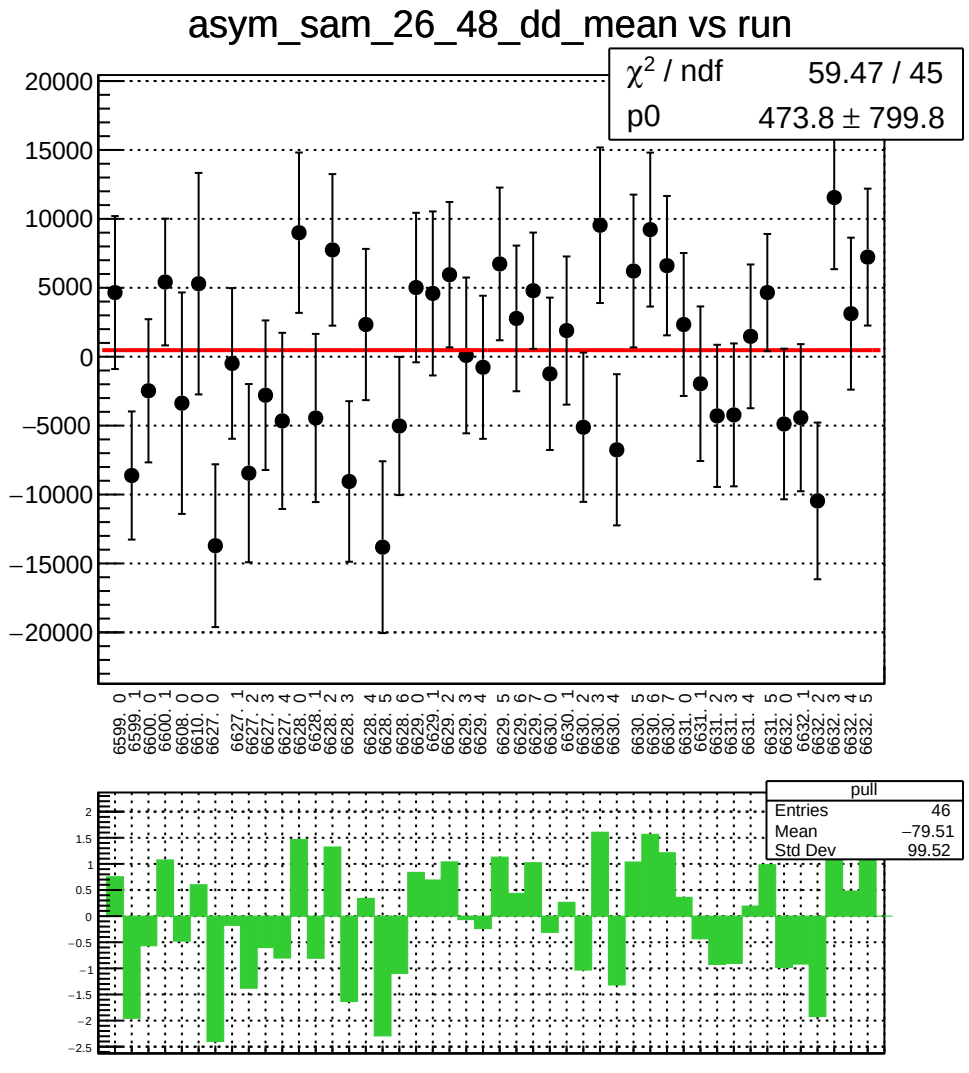

asym_sam_24_68_dd_rms vs run
χ² / ndf 7671 / 45
p0 835.8 ± 0.9041
1050
1000
950
900
850
800
750
700
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

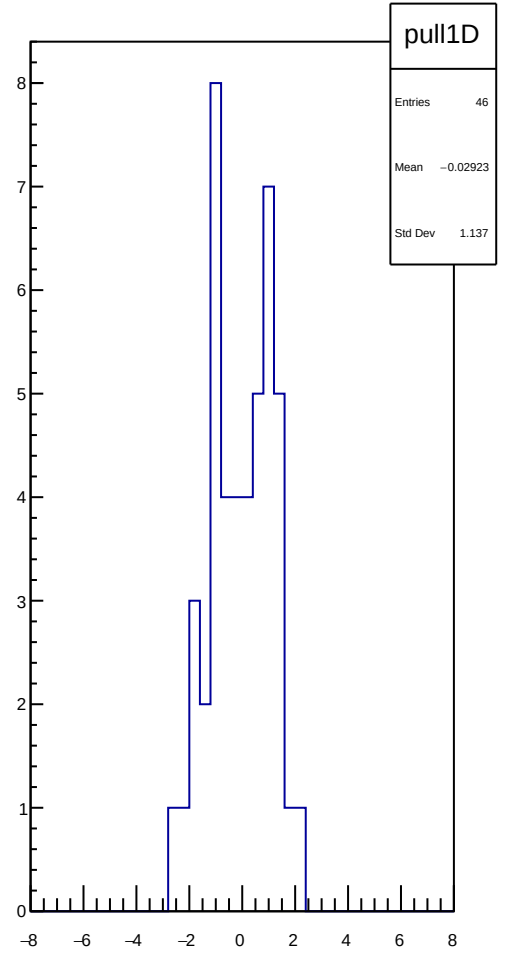

dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 40.32 / 45
p0 200.3 ± 144.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 186.7
Std Dev 164.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.01605
Std Dev 0.9361
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

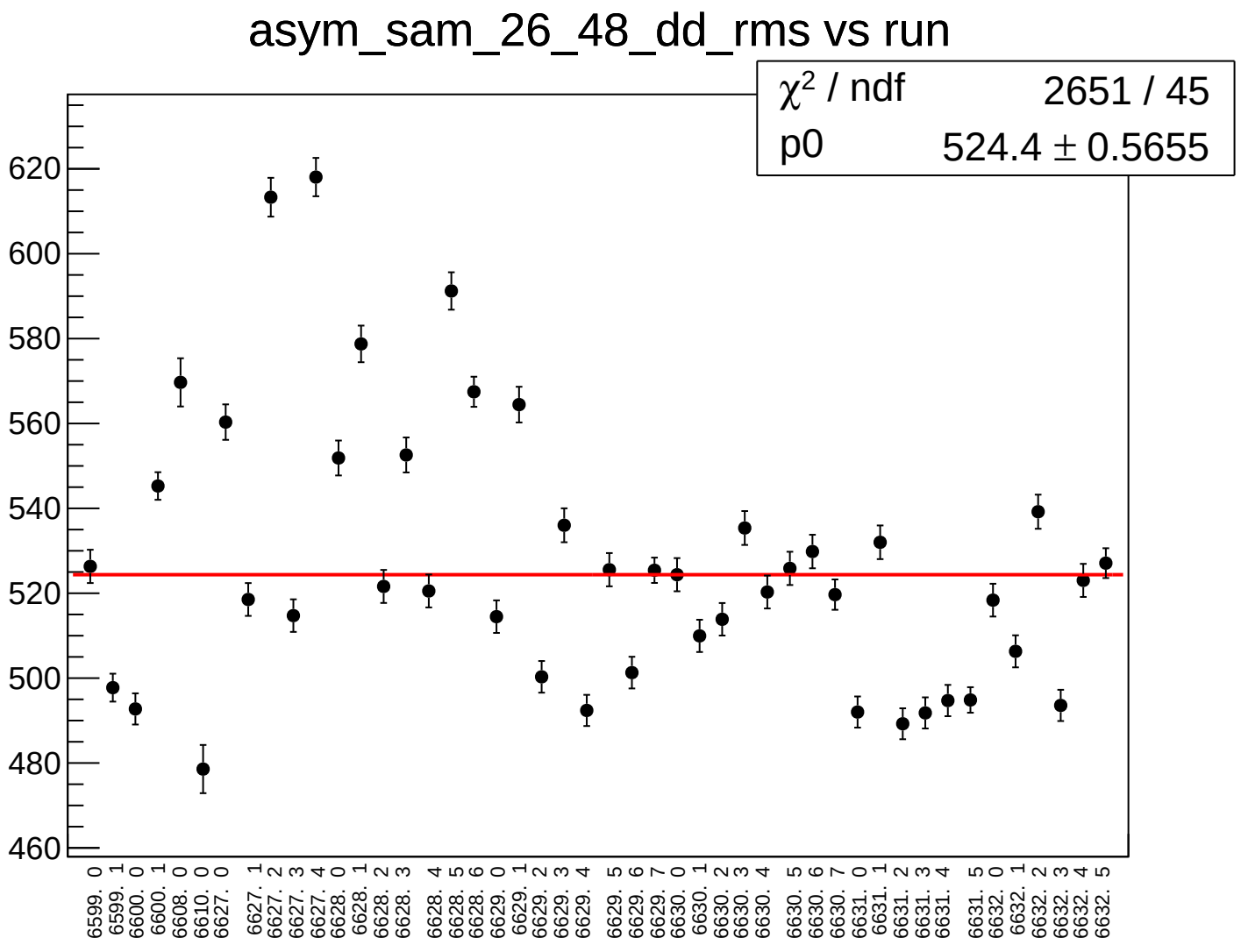

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1278 / 45
p0 94.63 ± 0.102
125
120
115
110
105
100
95
90
85
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

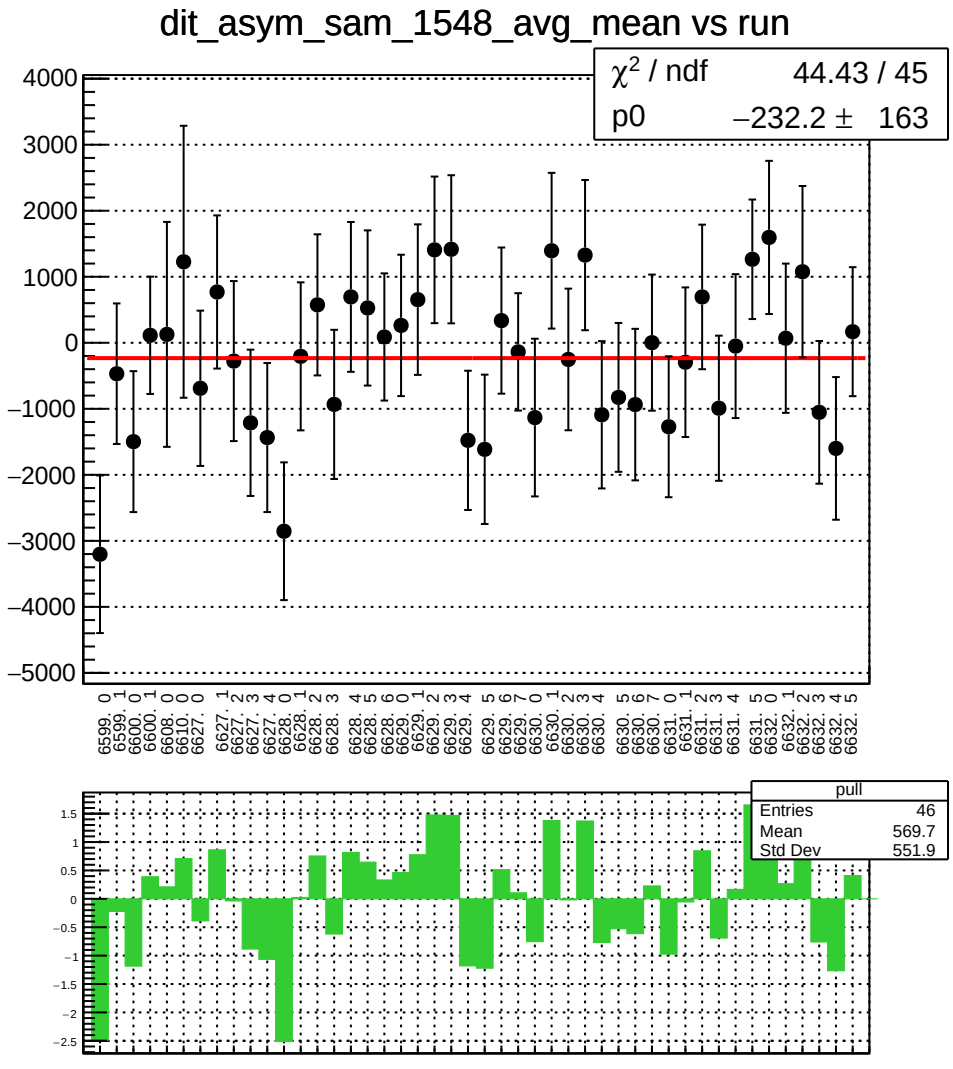

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 56.2 / 45
p0 −293.2 ± 826.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −97.82
Std Dev 118.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.02736
Std Dev 1.105
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

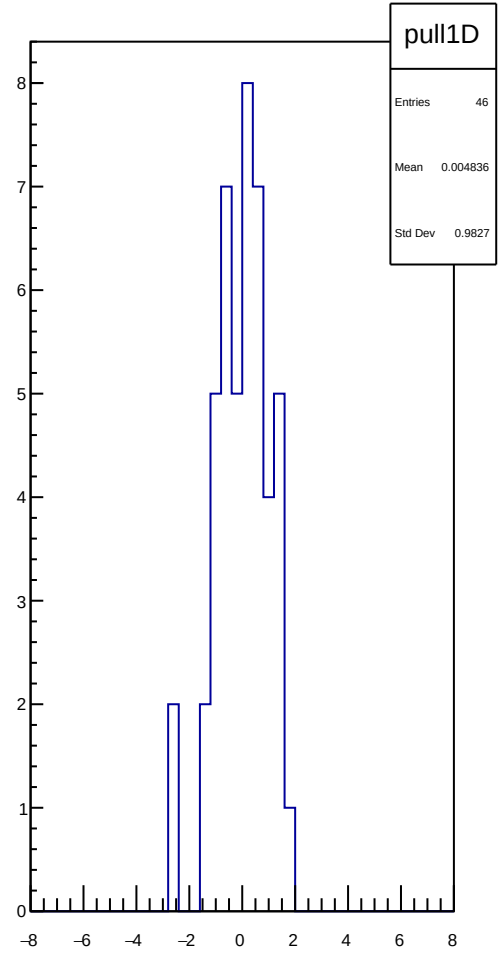

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1991 / 45
p0 542 ± 0.5843
640
620
600
580
560
540
520
500
480
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

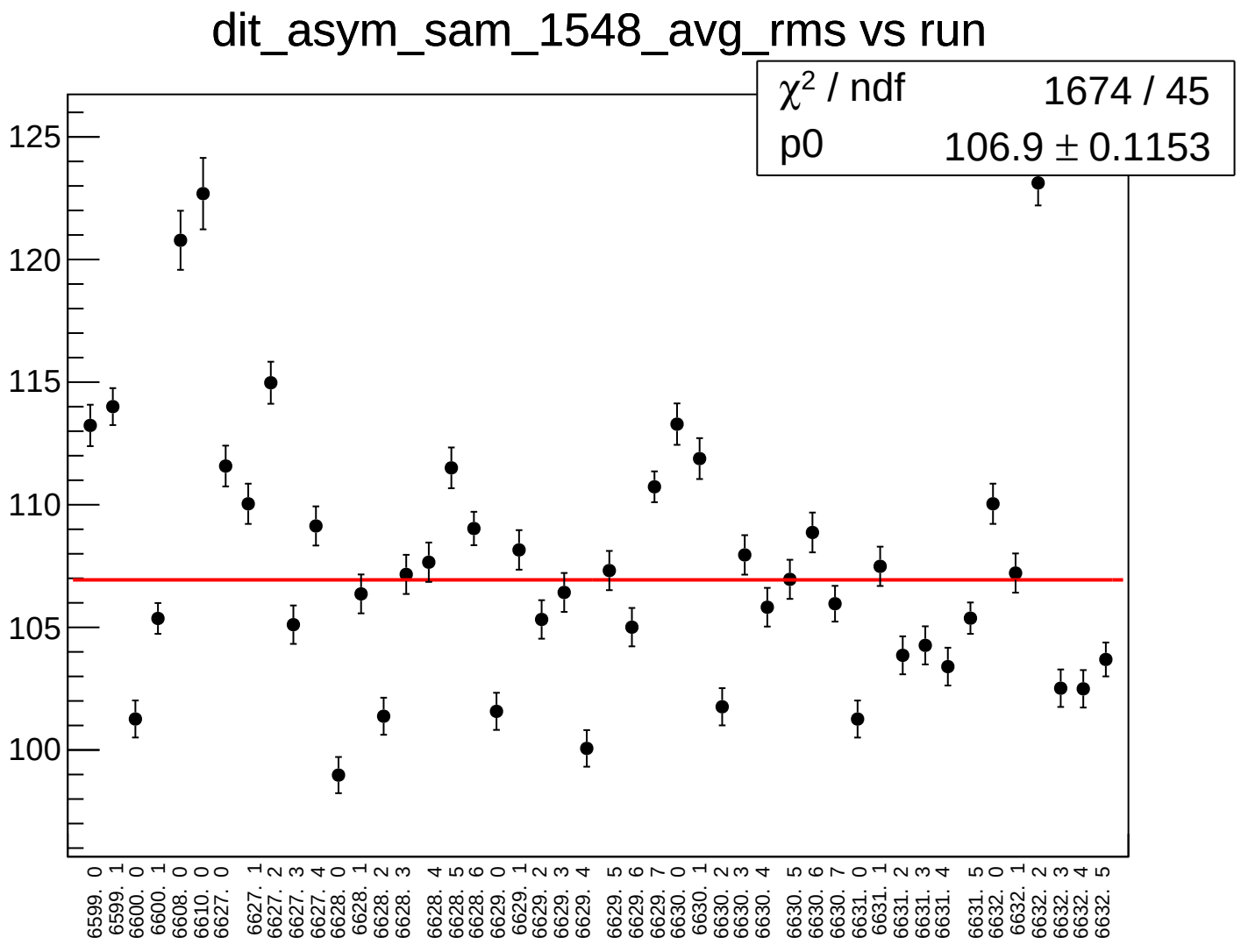

asym_sam_26_48_dd_mean vs run
χ² / ndf 59.47 / 45
p0 473.8 ± 799.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −79.51
Std Dev 99.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

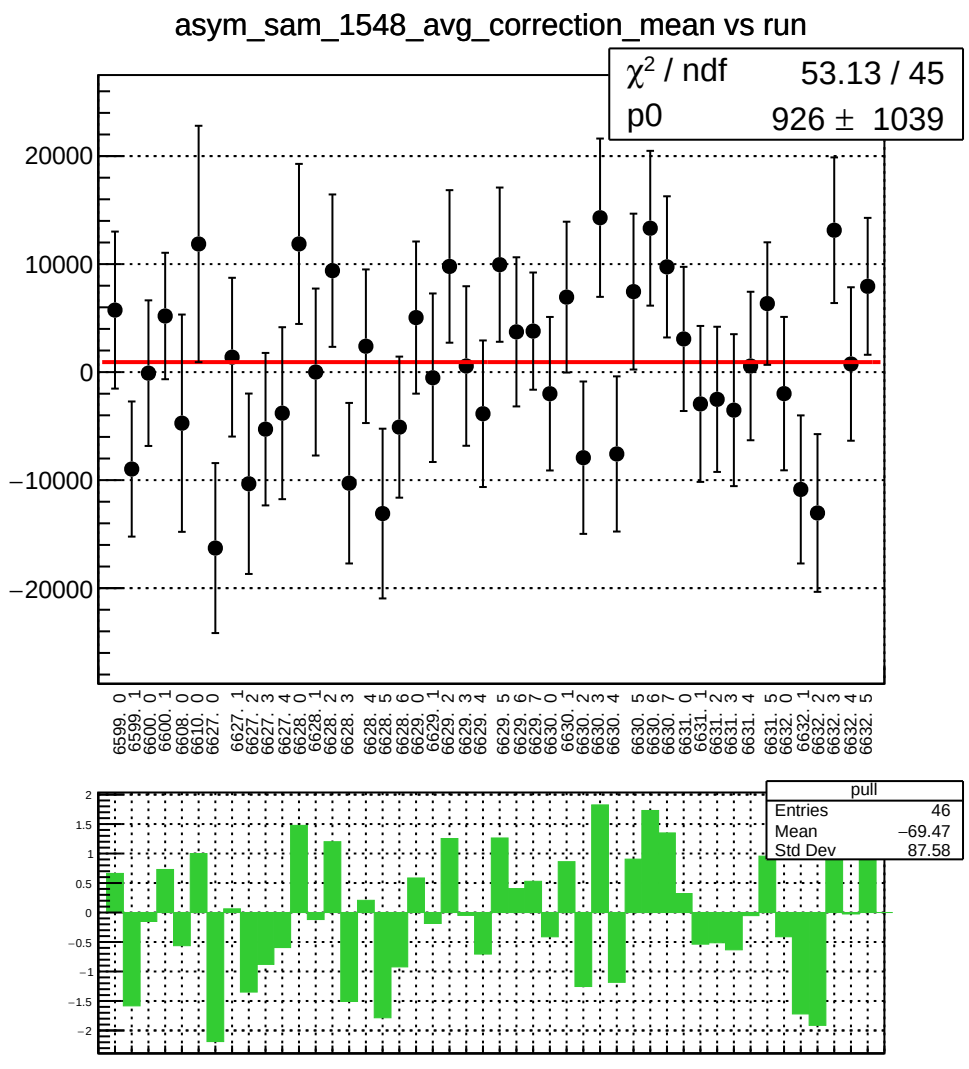

pull1D
Entries 46
Mean −0.02923
Std Dev 1.137
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

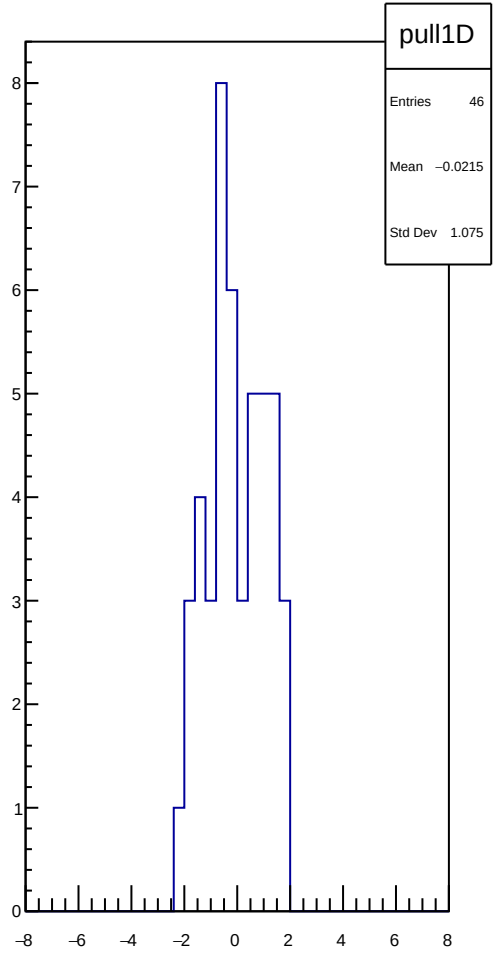

asym_sam_26_48_dd_rms vs run
χ² / ndf 2651 / 45
p0 524.4 ± 0.5655
620
600
580
560
540
520
500
480
460
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

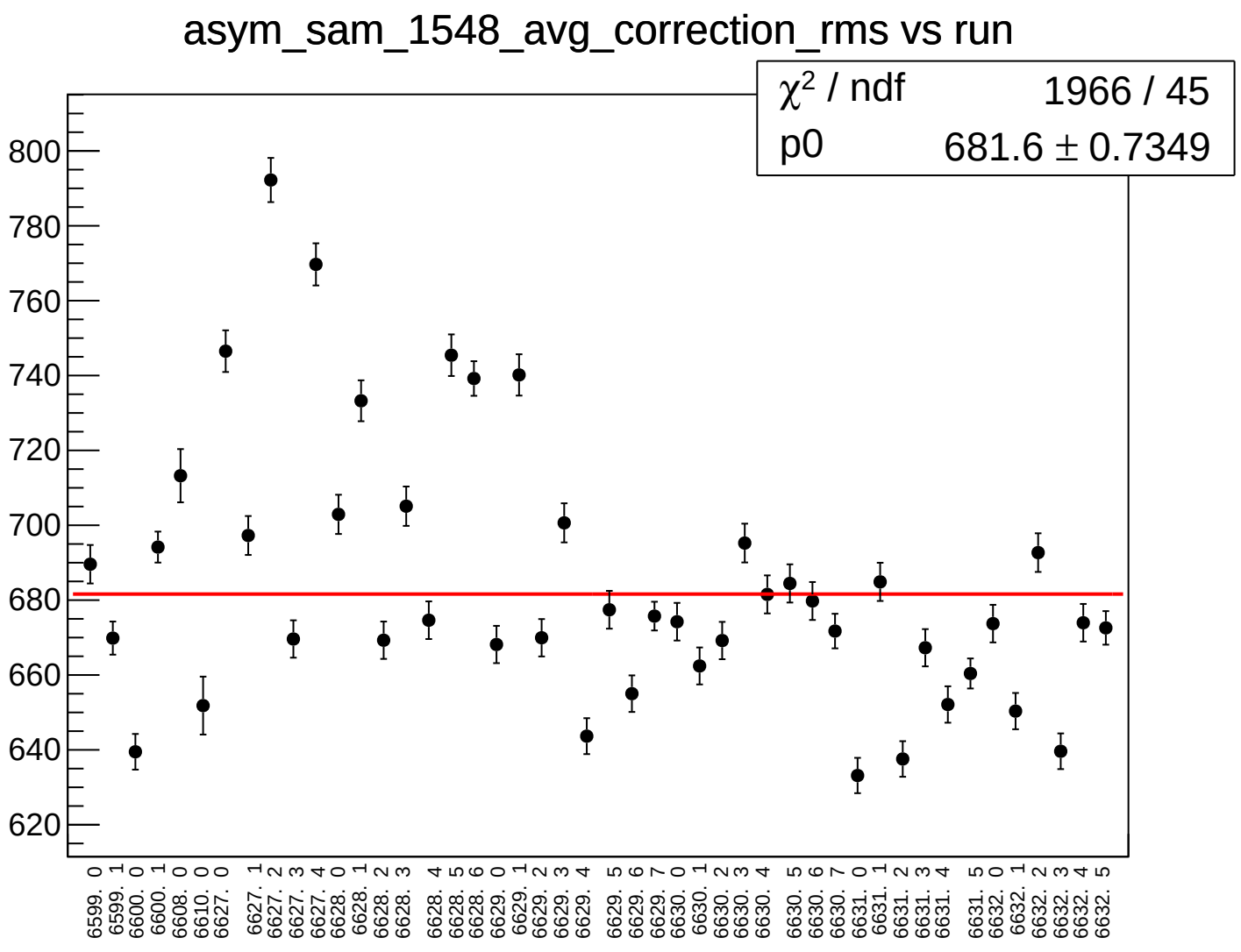

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 44.43 / 45
p0 −232.2 ± 163
pull
Entries 46
Mean 569.7
Std Dev 551.9

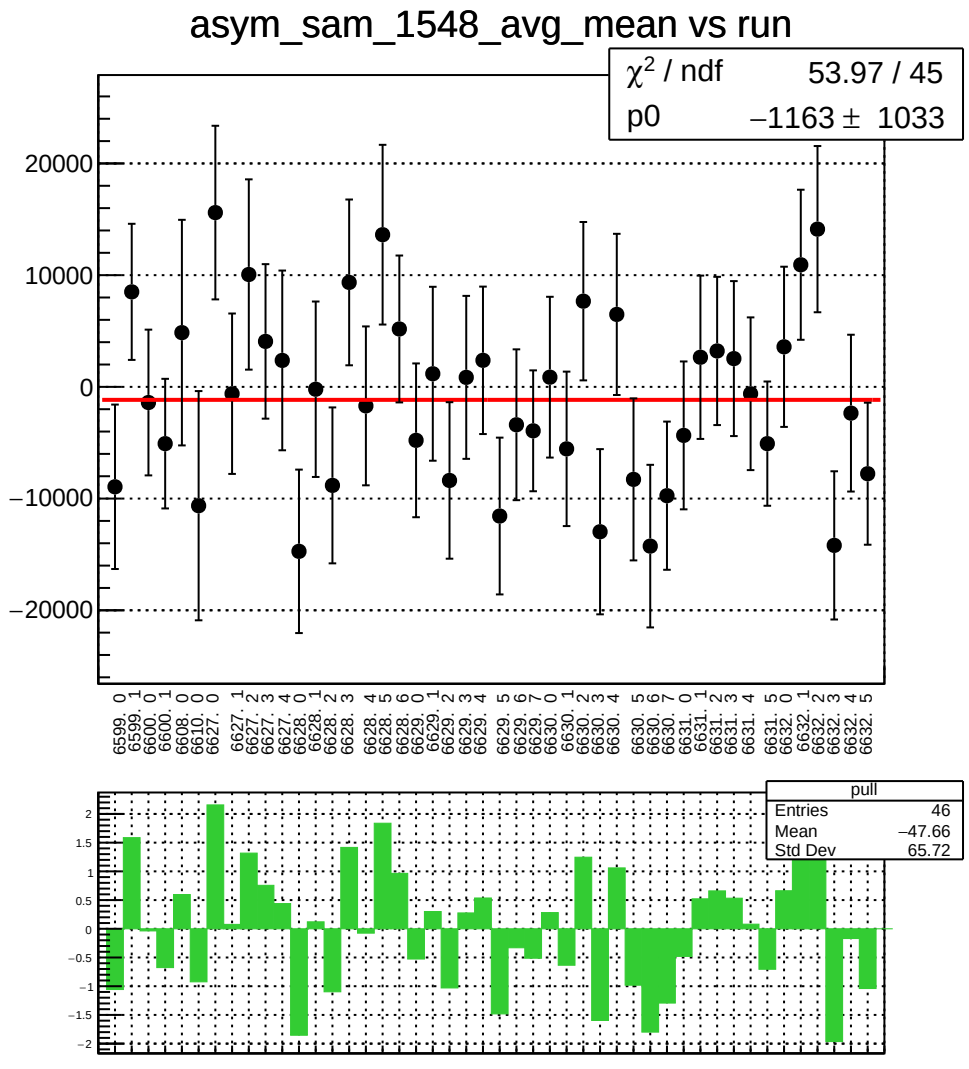

pull1D
Entries 46
Mean 0.004836
Std Dev 0.9827

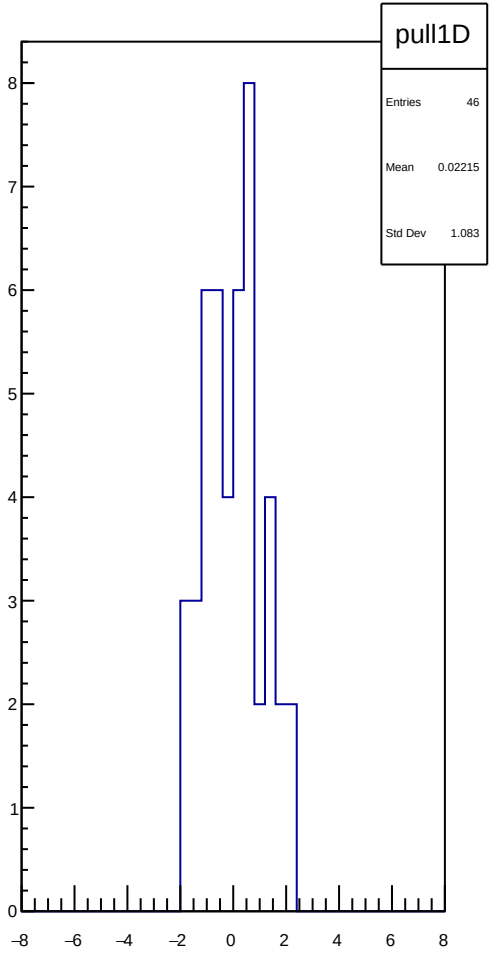

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1674 / 45
p0 106.9 ± 0.1153
125
120
115
110
105
100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

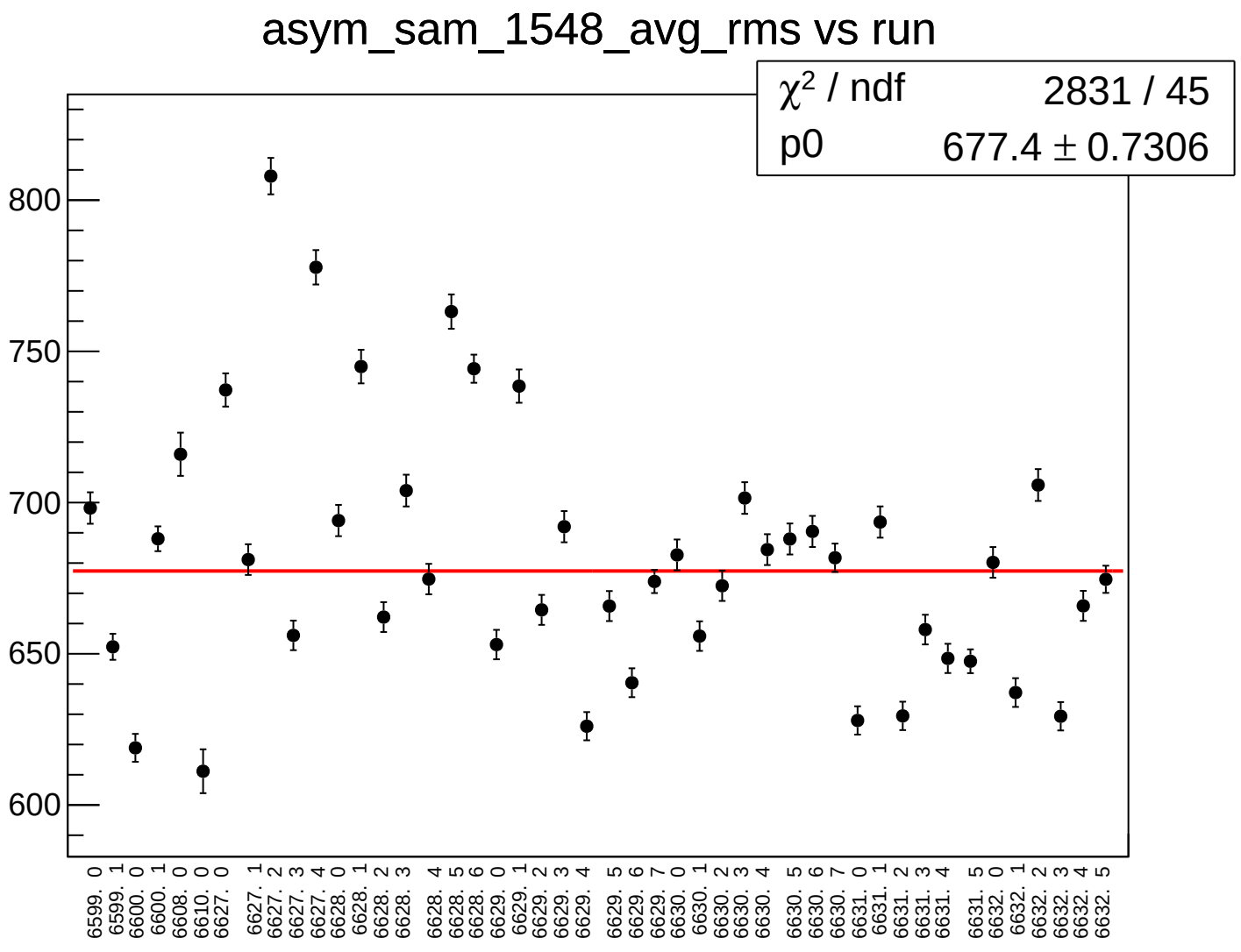

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 53.13 / 45
p0 926 ± 1039
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −69.47
Std Dev 87.58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

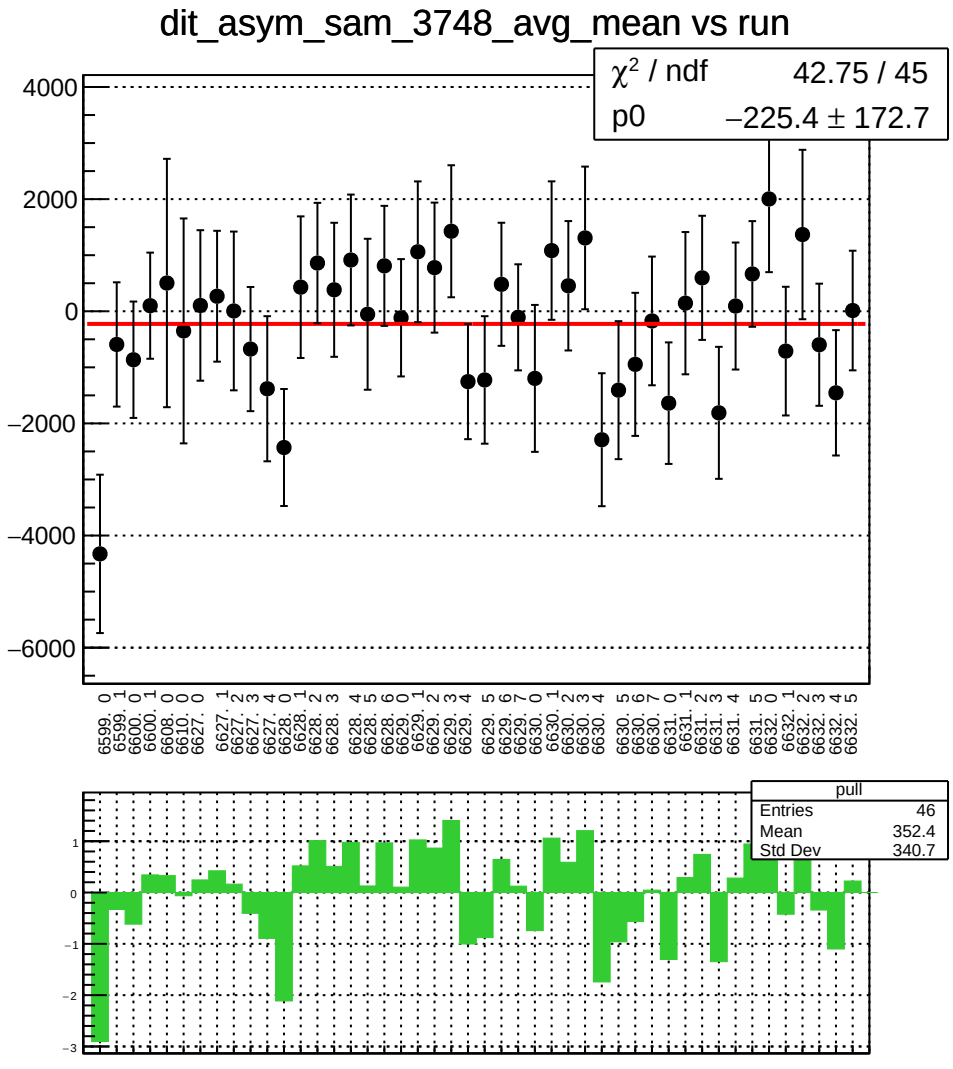

pull1D
Entries 46
Mean −0.0215
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

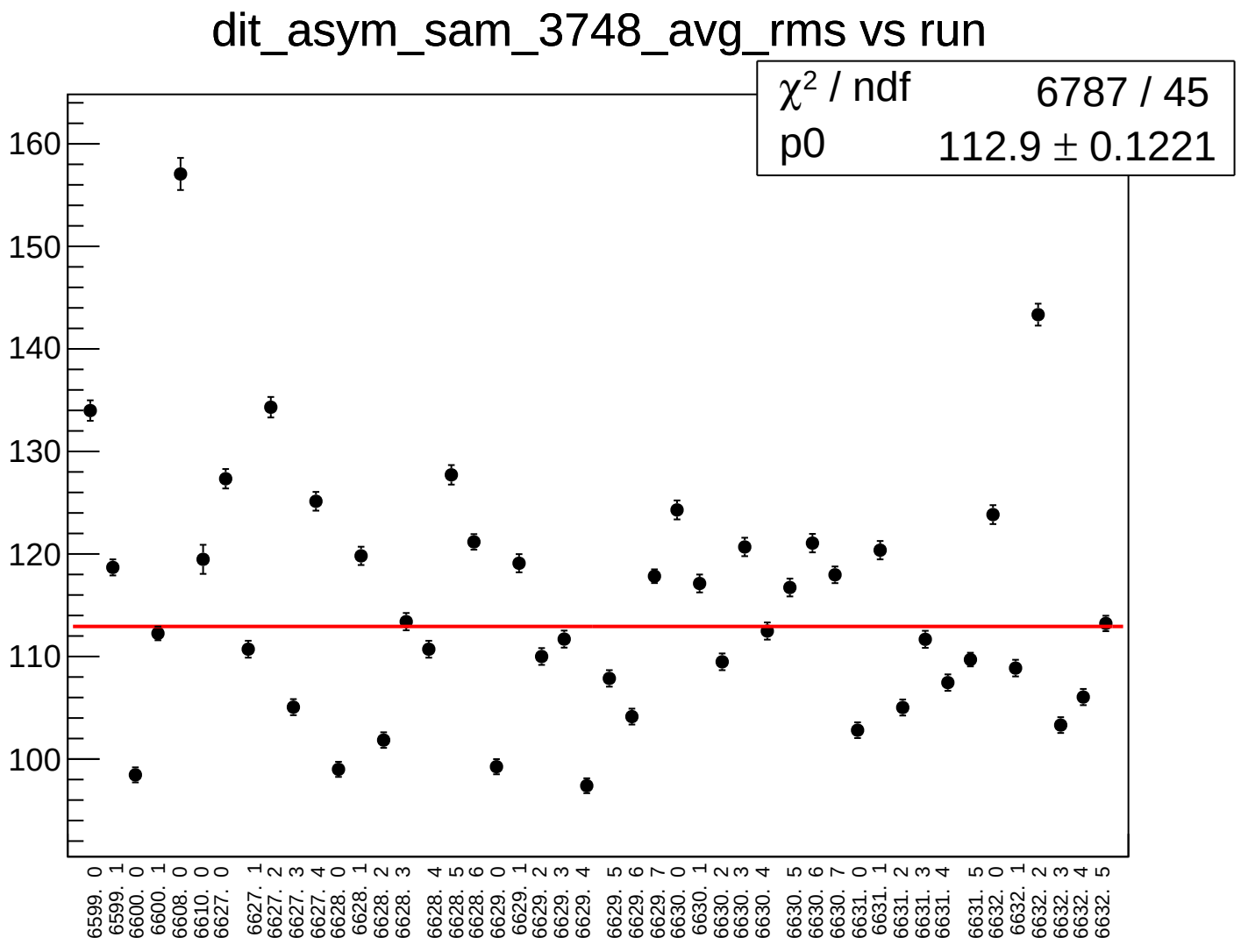

asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 1966 / 45
p0 681.6 ± 0.7349
800
780
760
740
720
700
680
660
640
620
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

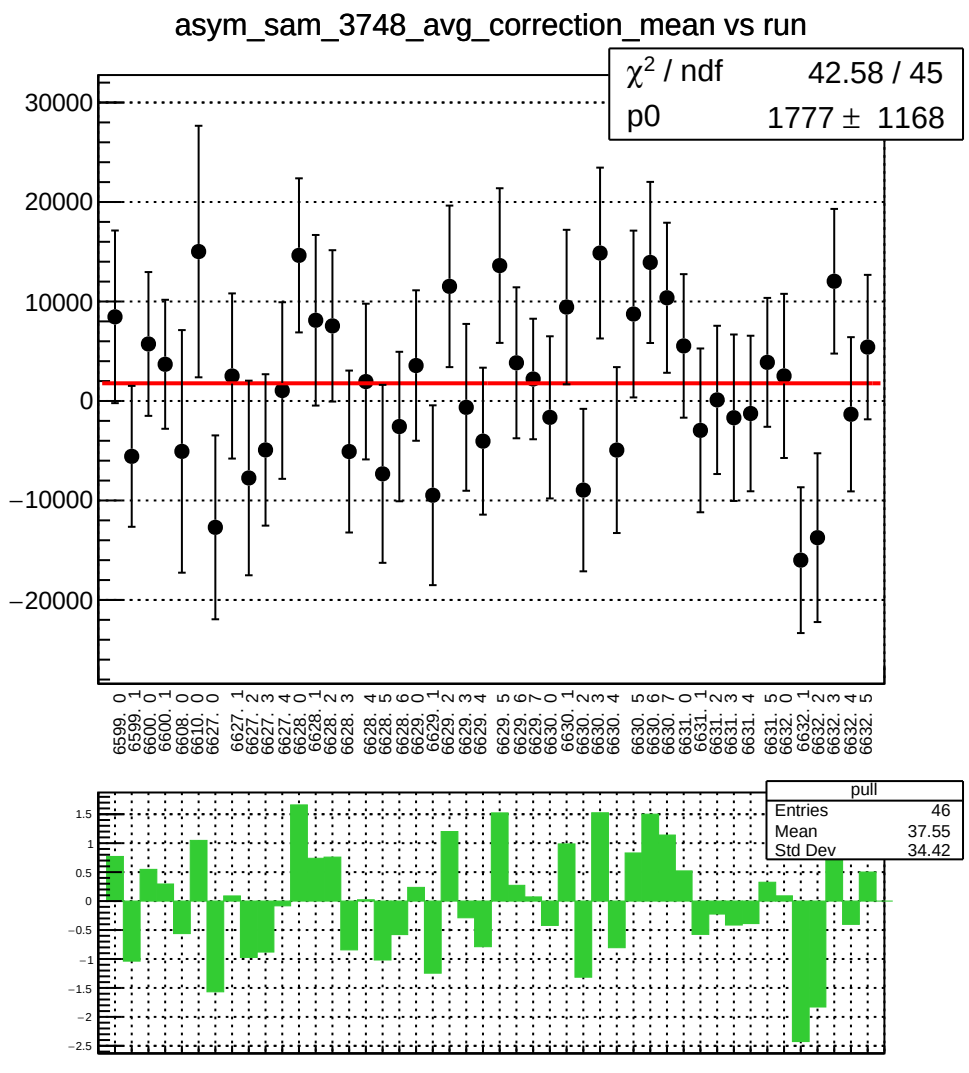

asym_sam_1548_avg_mean vs run
χ² / ndf 53.97 / 45
p0 −1163 ± 1033
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −47.66
Std Dev 65.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

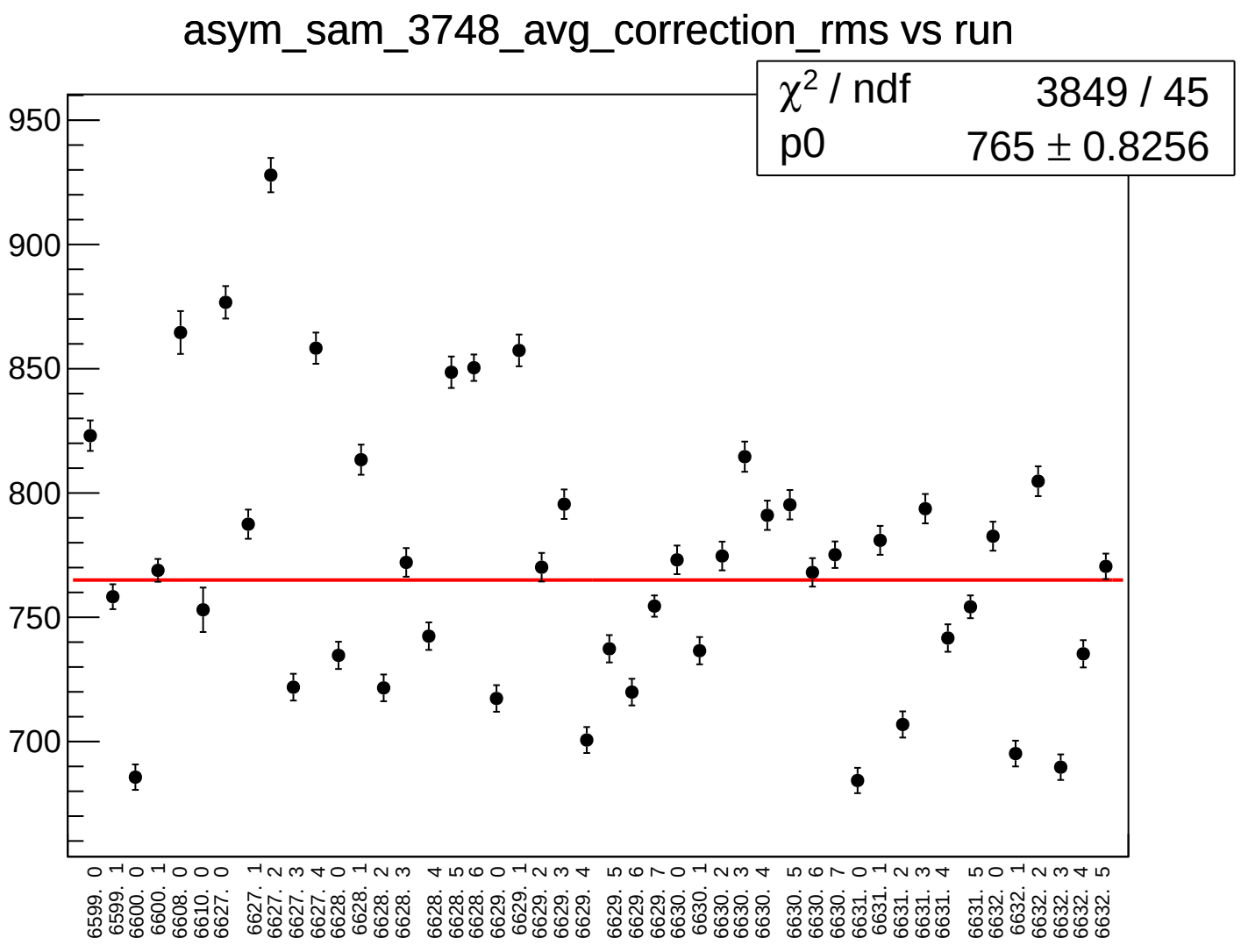

pull1D
Entries 46
Mean 0.02215
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

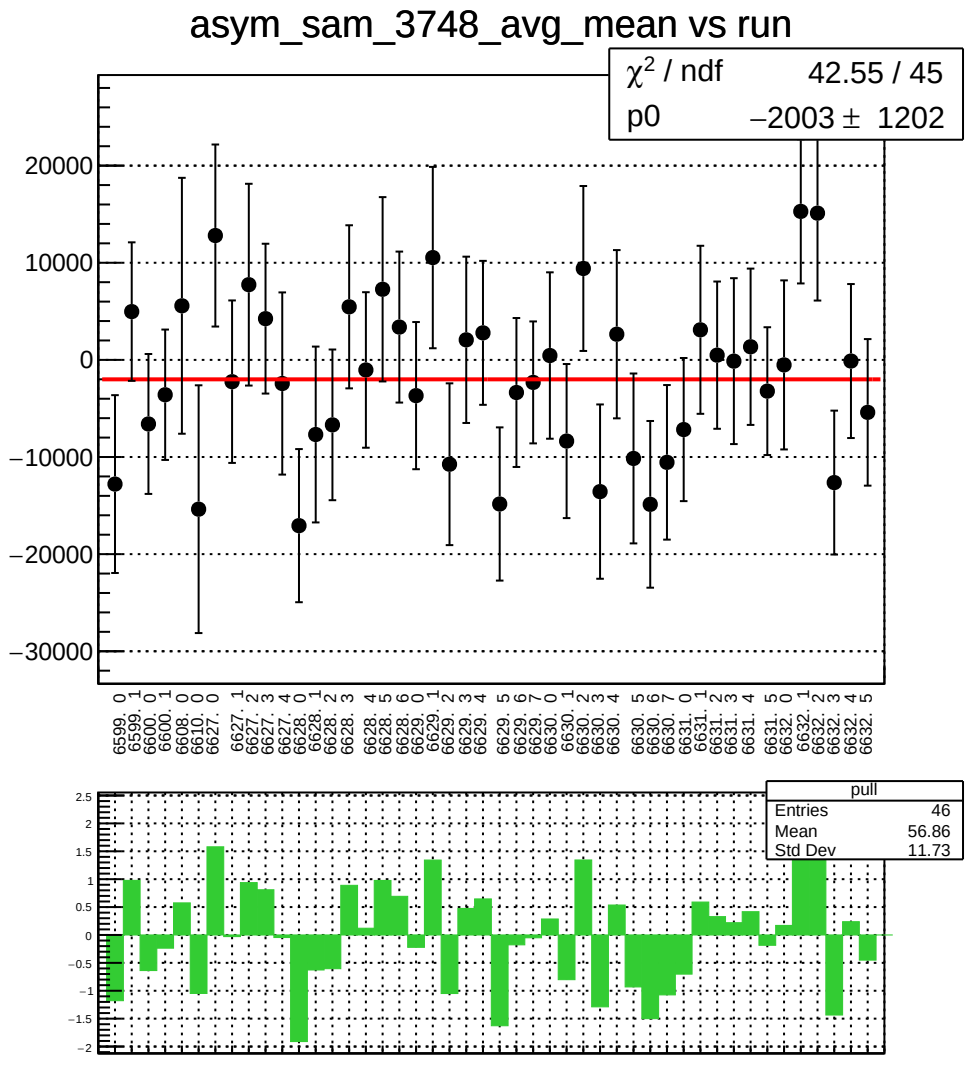

asym_sam_1548_avg_rms vs run
χ² / ndf 2831 / 45
p0 677.4 ± 0.7306
800
750
700
650
600
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

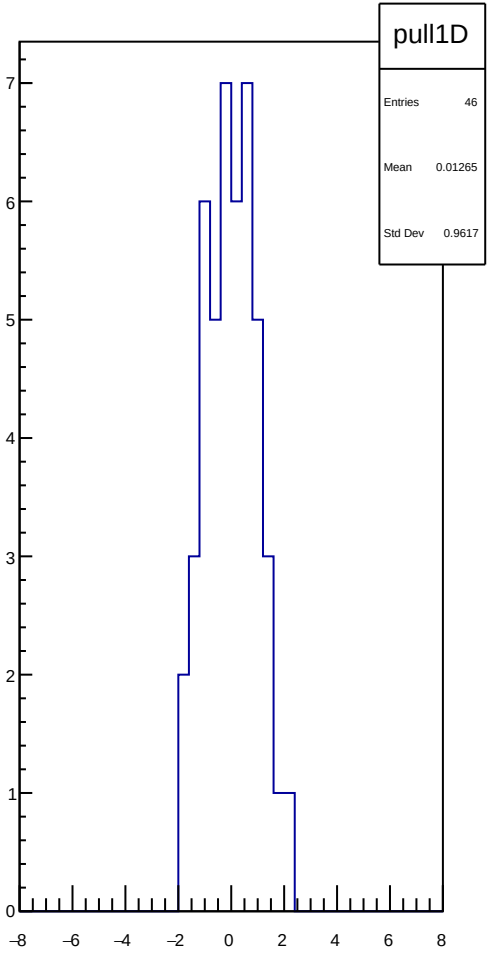

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 42.75 / 45
p0 −225.4 ± 172.7
4000
2000
0
−2000
−4000
−6000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 352.4
Std Dev 340.7
1
0
−1
−2
−3
pull1D
Entries 46
Mean 0.004274
Std Dev 0.964
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

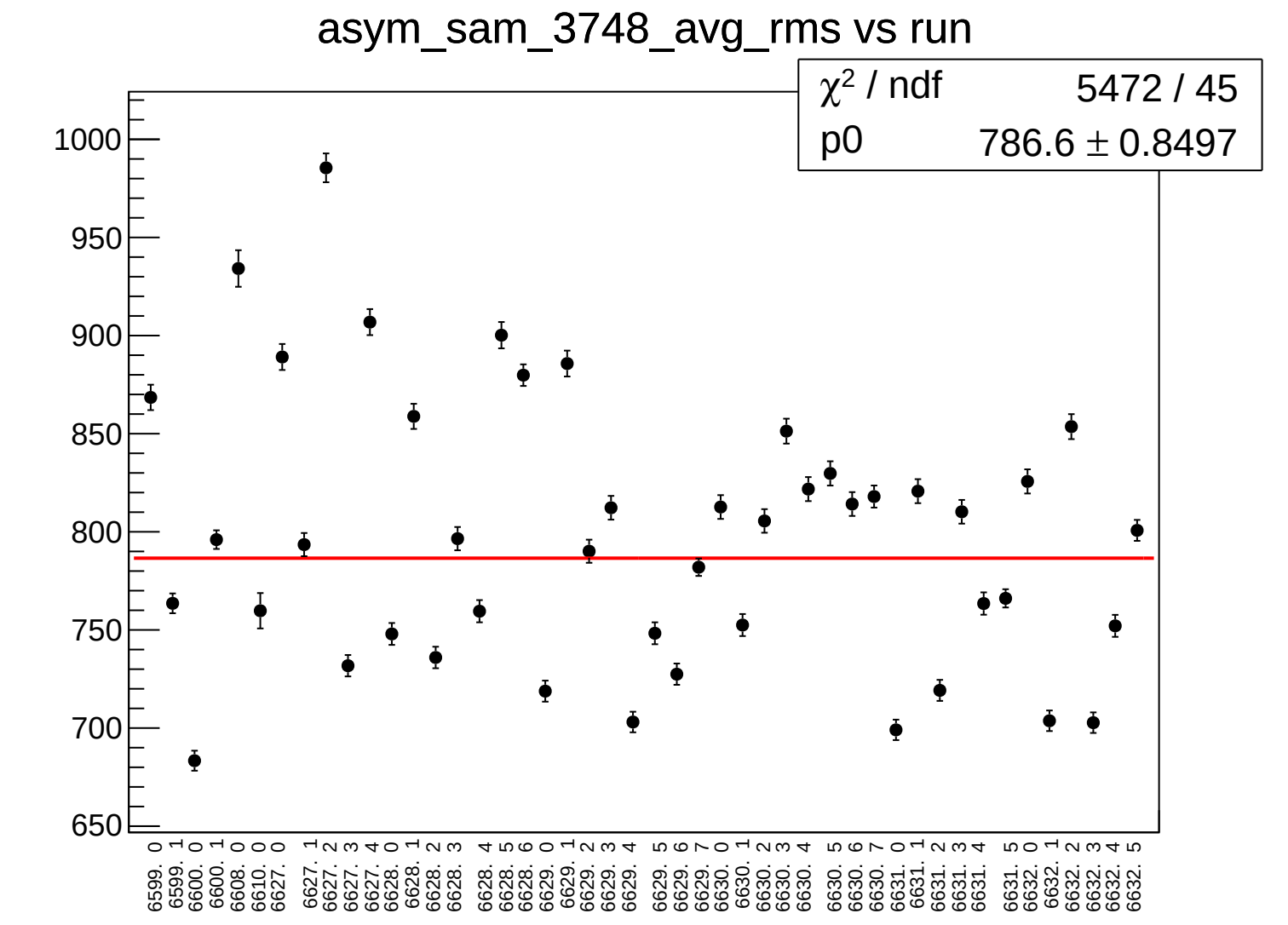

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 6787 / 45
p0 112.9 ± 0.1221
160
150
140
130
120
110
100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

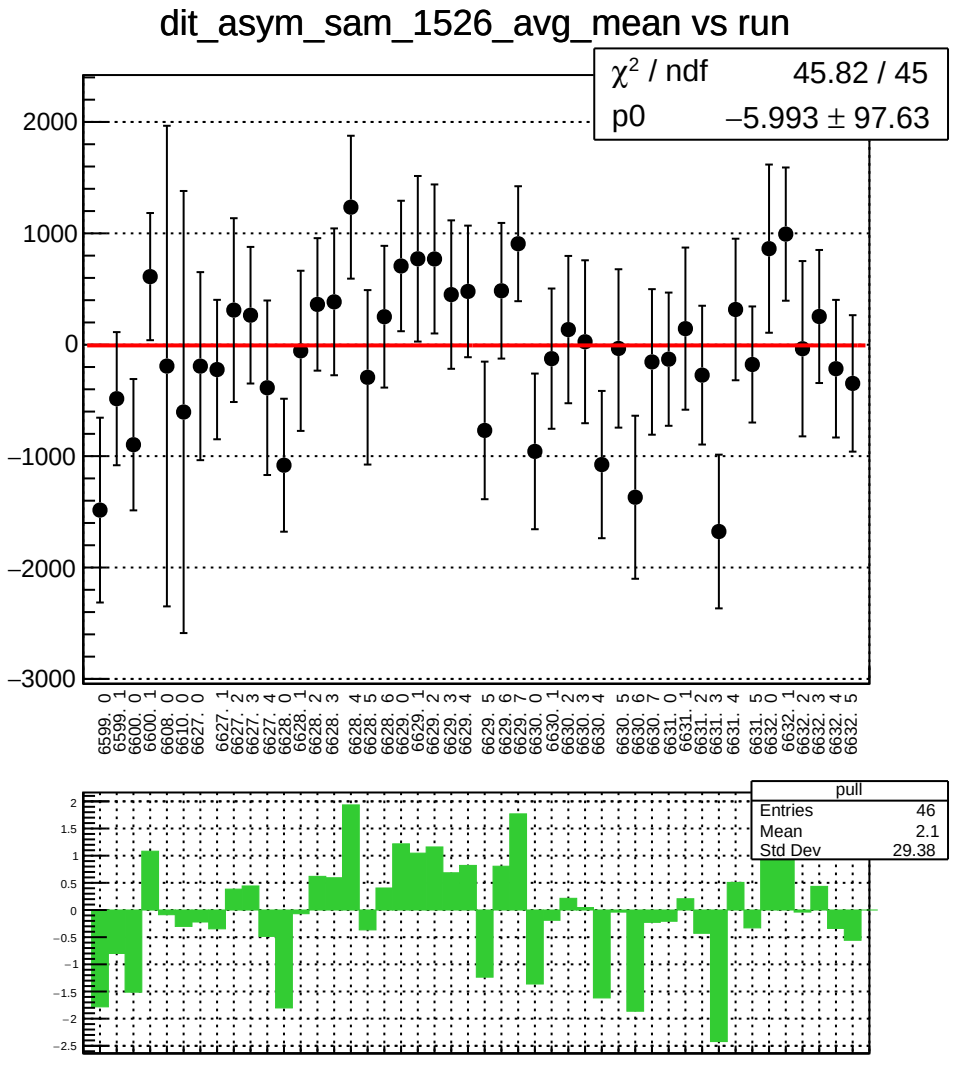

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 42.58 / 45
p0 1777 ± 1168
30000
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 37.55
Std Dev 34.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.01292
Std Dev 0.962
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

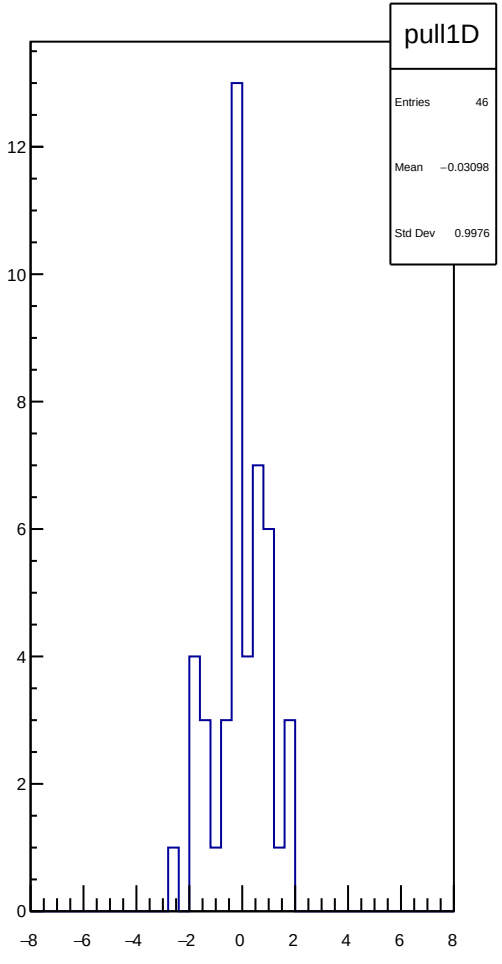

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3849 / 45
p0 765 ± 0.8256
950
900
850
800
750
700
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

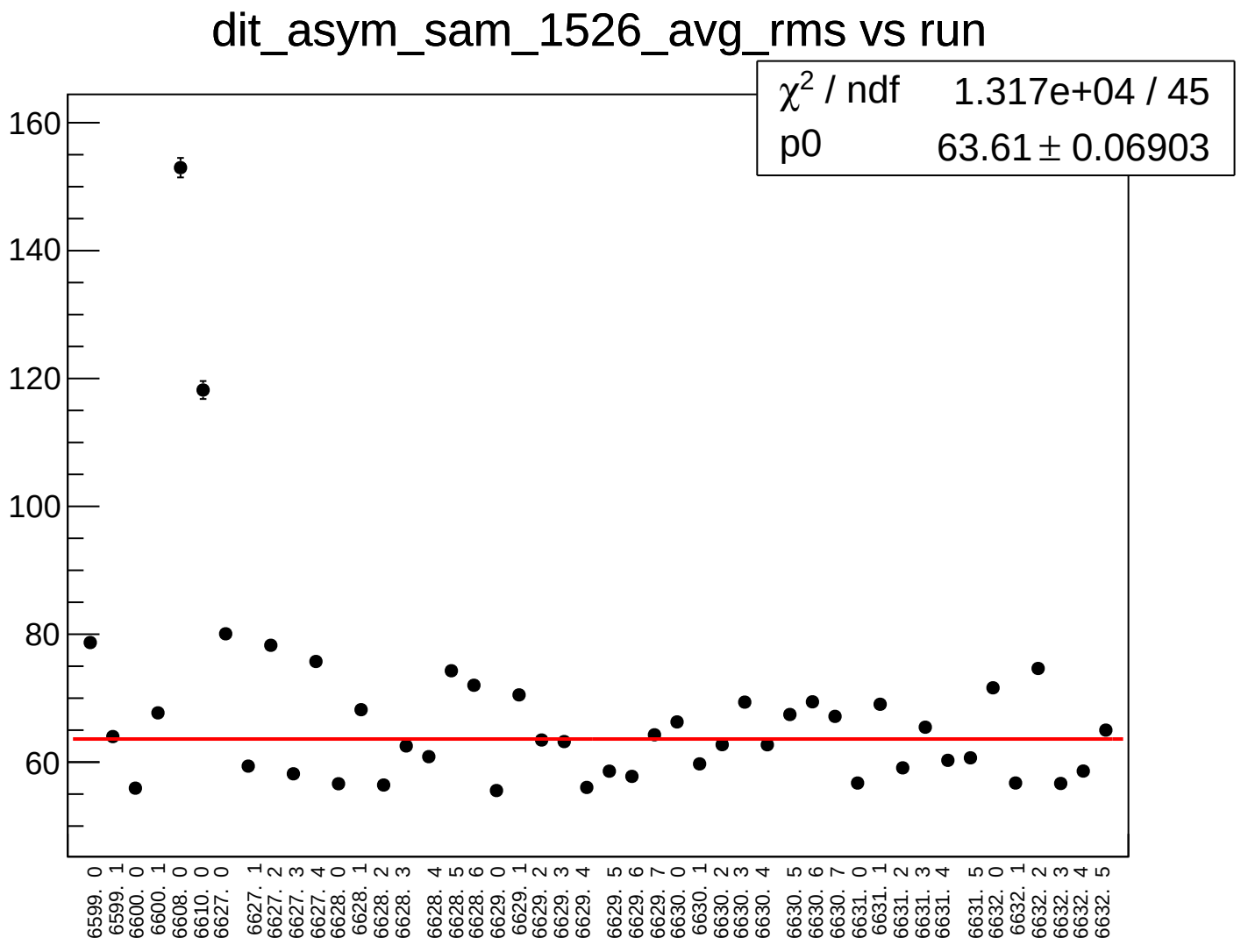

asym_sam_3748_avg_mean vs run
χ² / ndf 42.55 / 45
p0 −2003 ± 1202
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 56.86
Std Dev 11.73
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

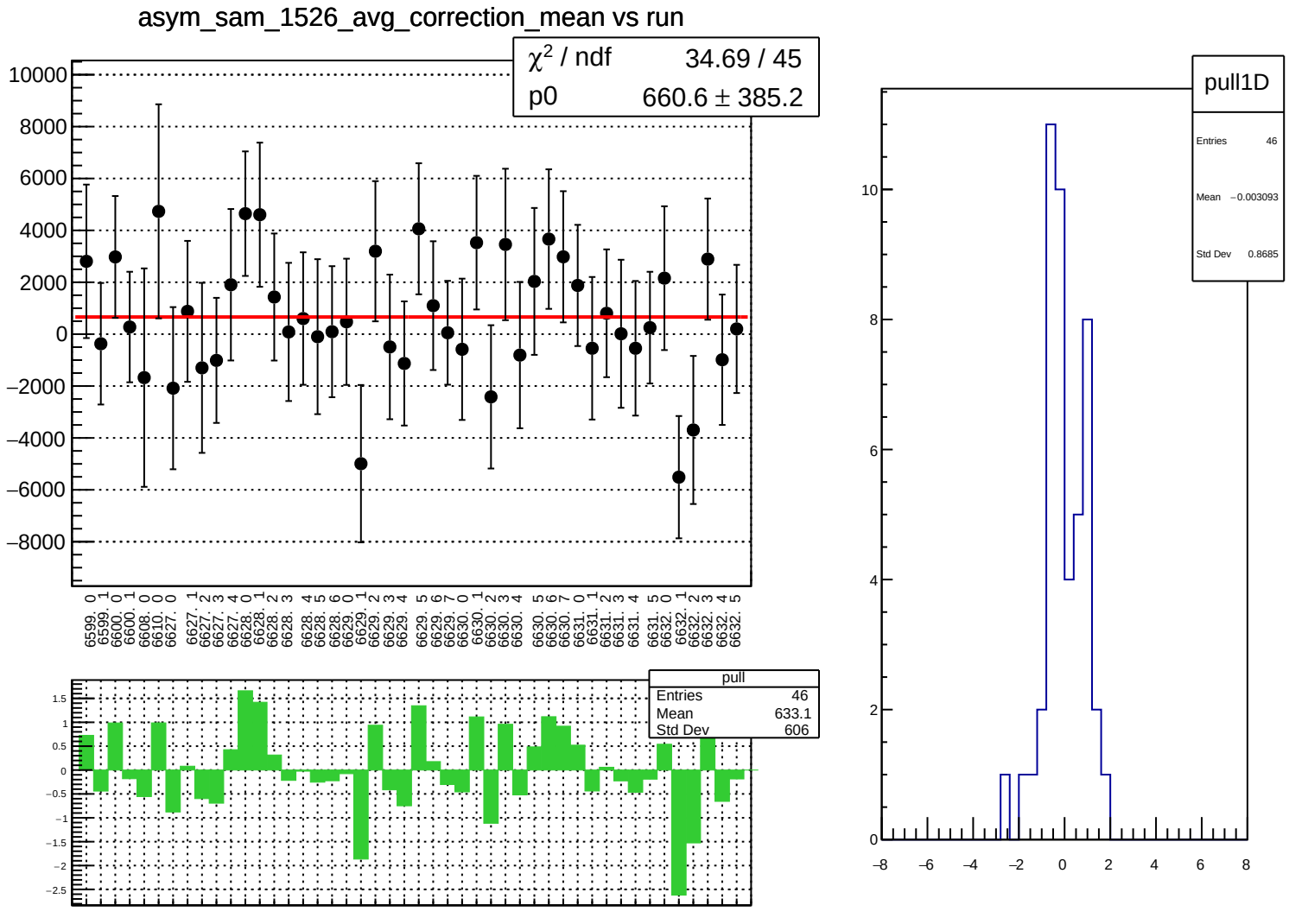

pull1D
Entries 46
Mean 0.01265
Std Dev 0.9617
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

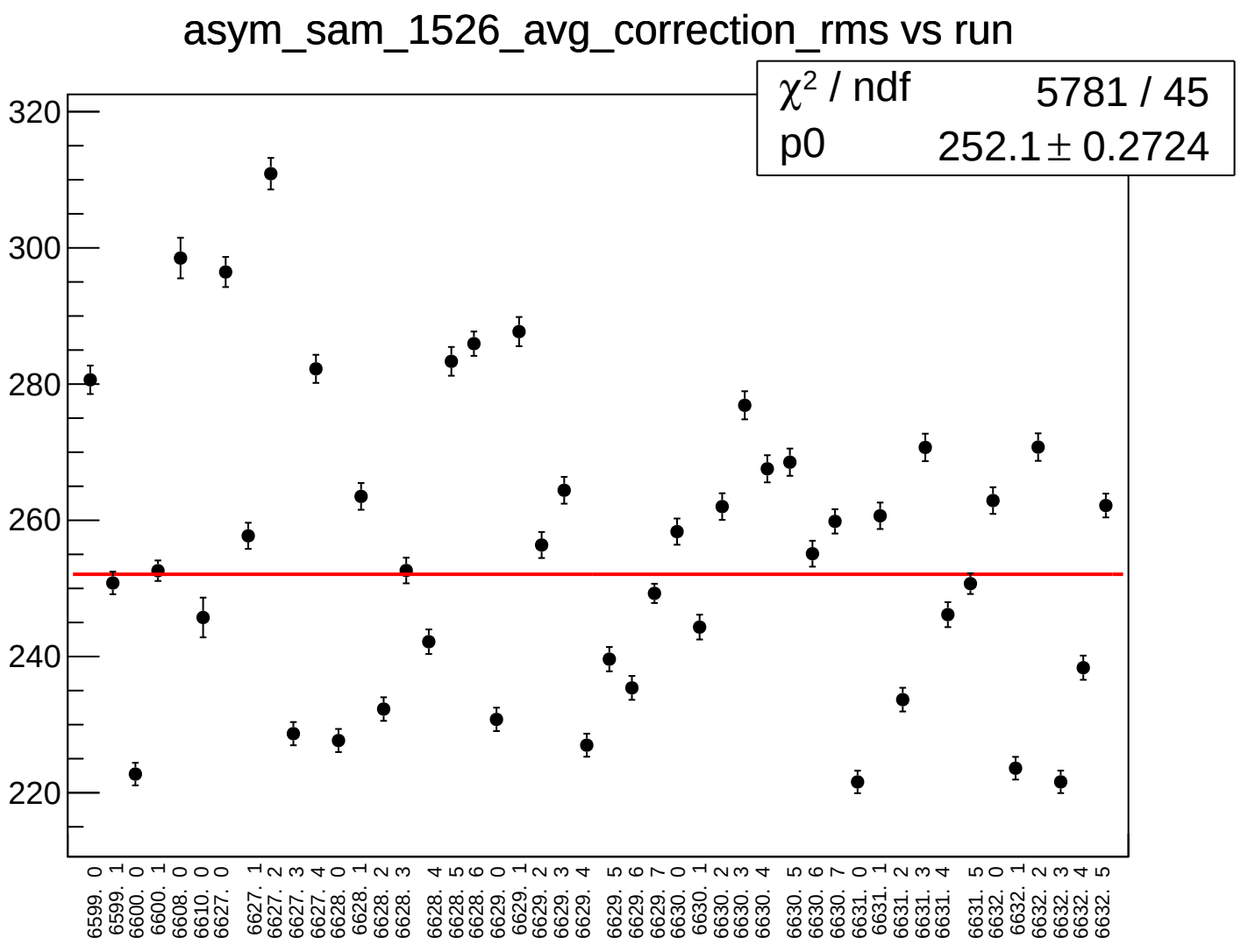

asym_sam_3748_avg_rms vs run
χ² / ndf 5472 / 45
p0 786.6 ± 0.8497
1000
950
900
850
800
750
700
650
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

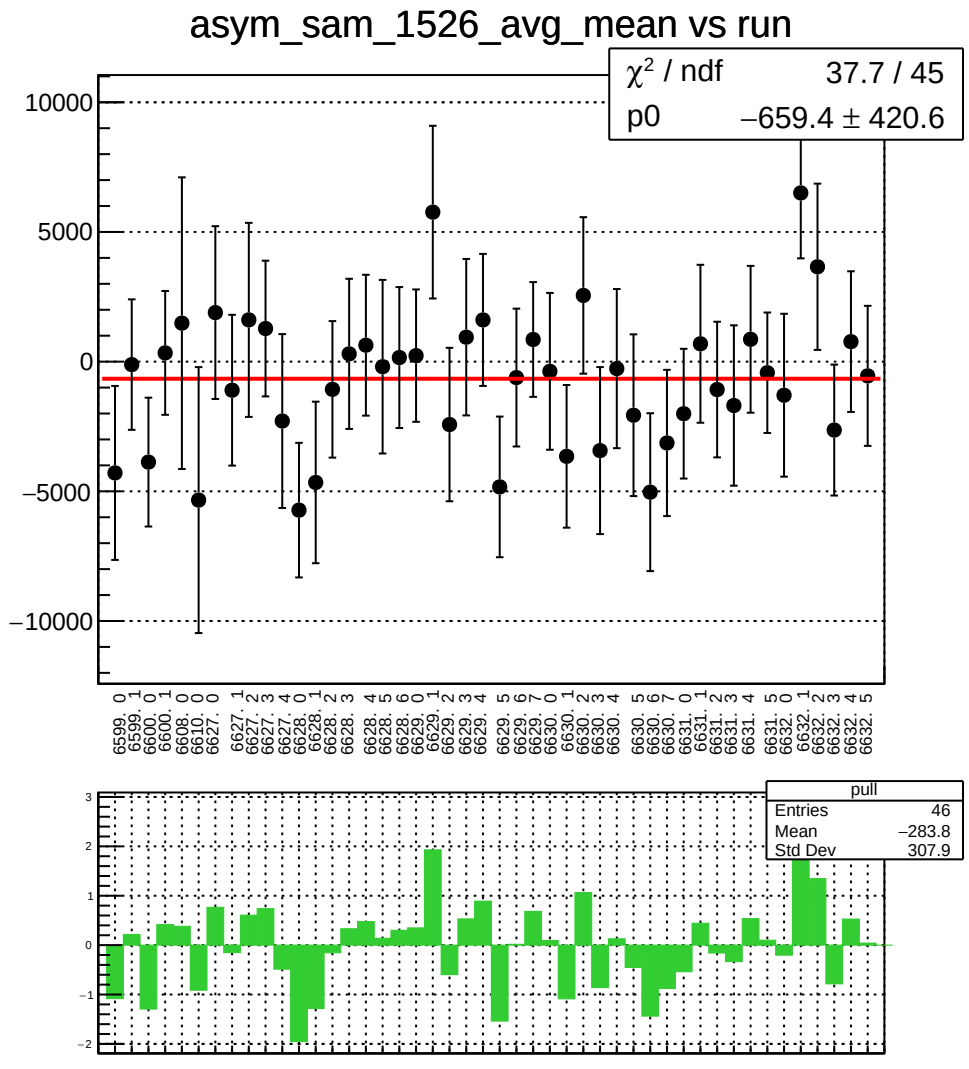

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 45.82 / 45
p0 −5.993 ± 97.63
pull
Entries 46
Mean 2.1
Std Dev 29.38

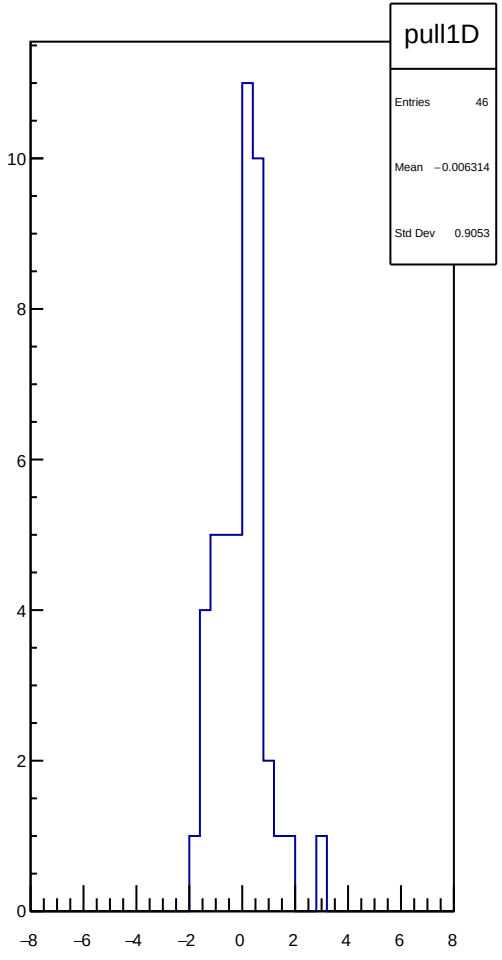

pull1D
Entries 46
Mean −0.03098
Std Dev 0.9976

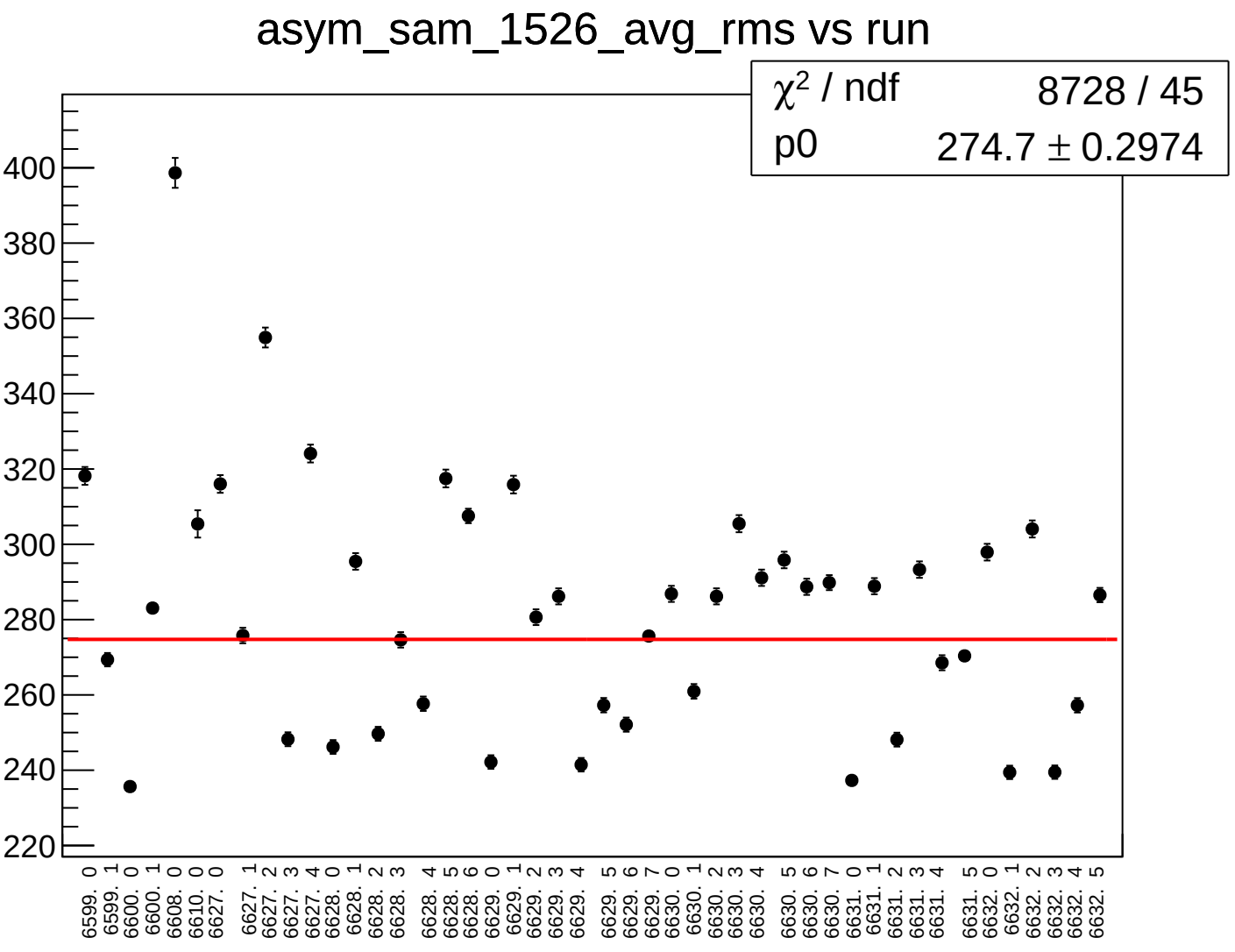

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.317e+04 / 45
p0 63.61 ± 0.06903
160
140
120
100
80
60
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

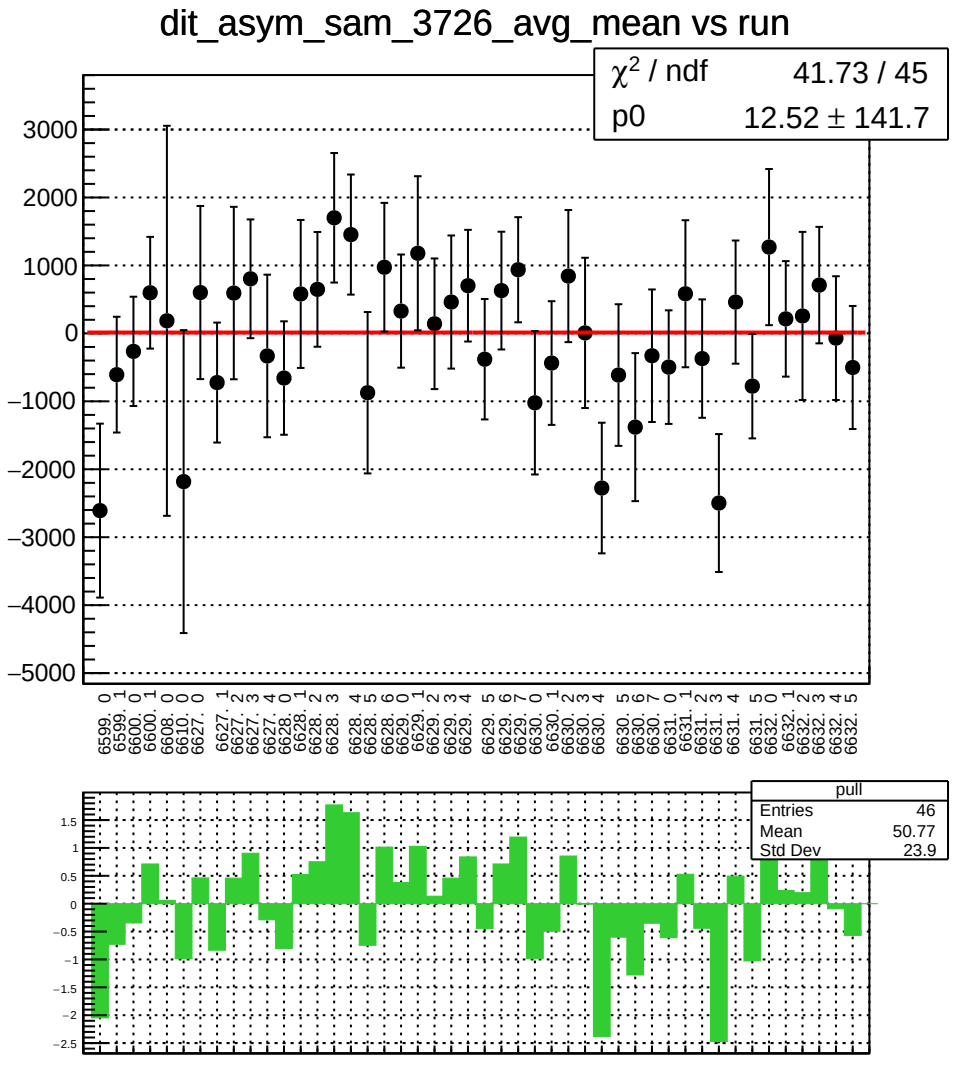

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 34.69 / 45
p0 660.6 ± 385.2
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 633.1
Std Dev 606
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.003093
Std Dev 0.8685
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

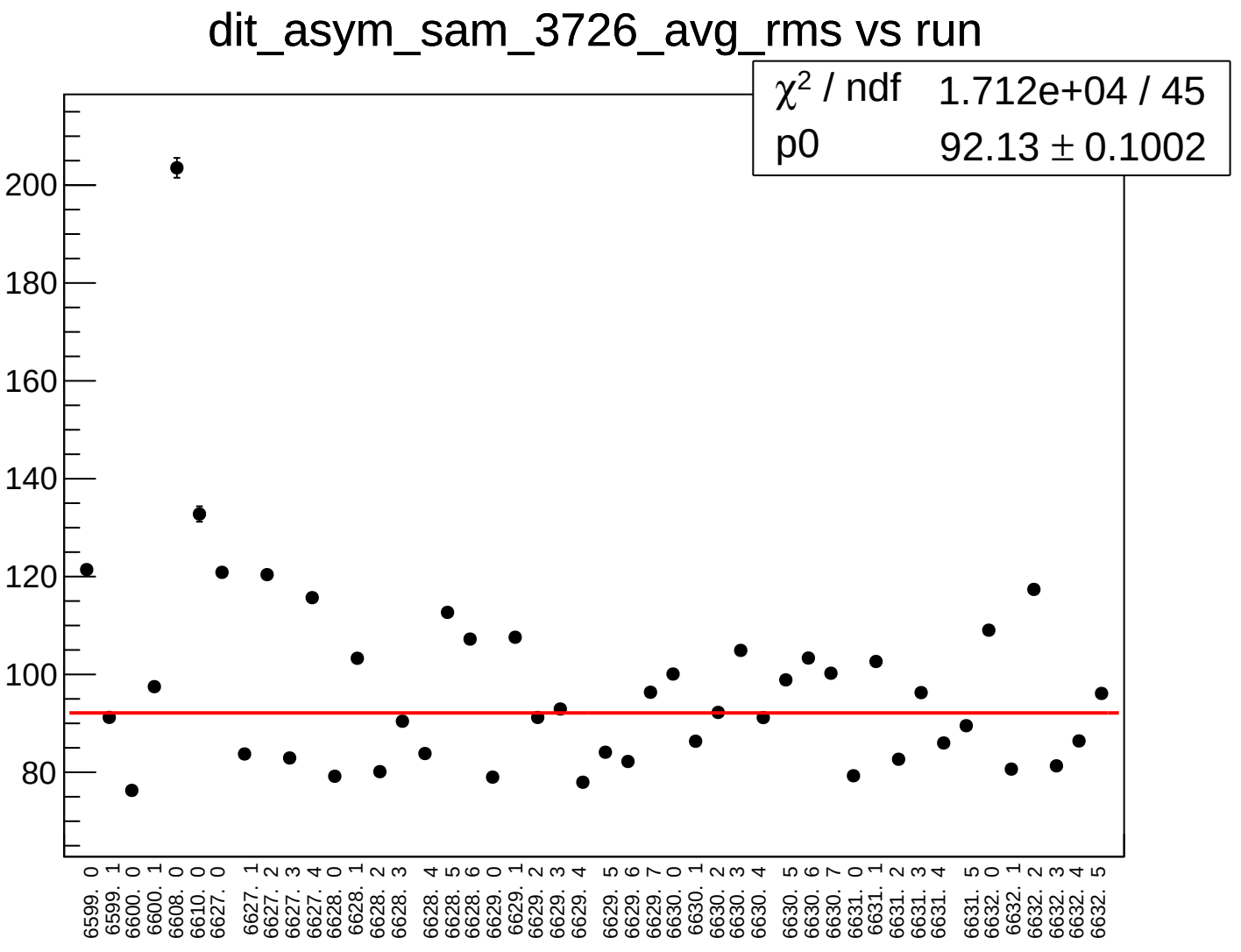

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 5781 / 45
p0 252.1 ± 0.2724
320
300
280
260
240
220
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

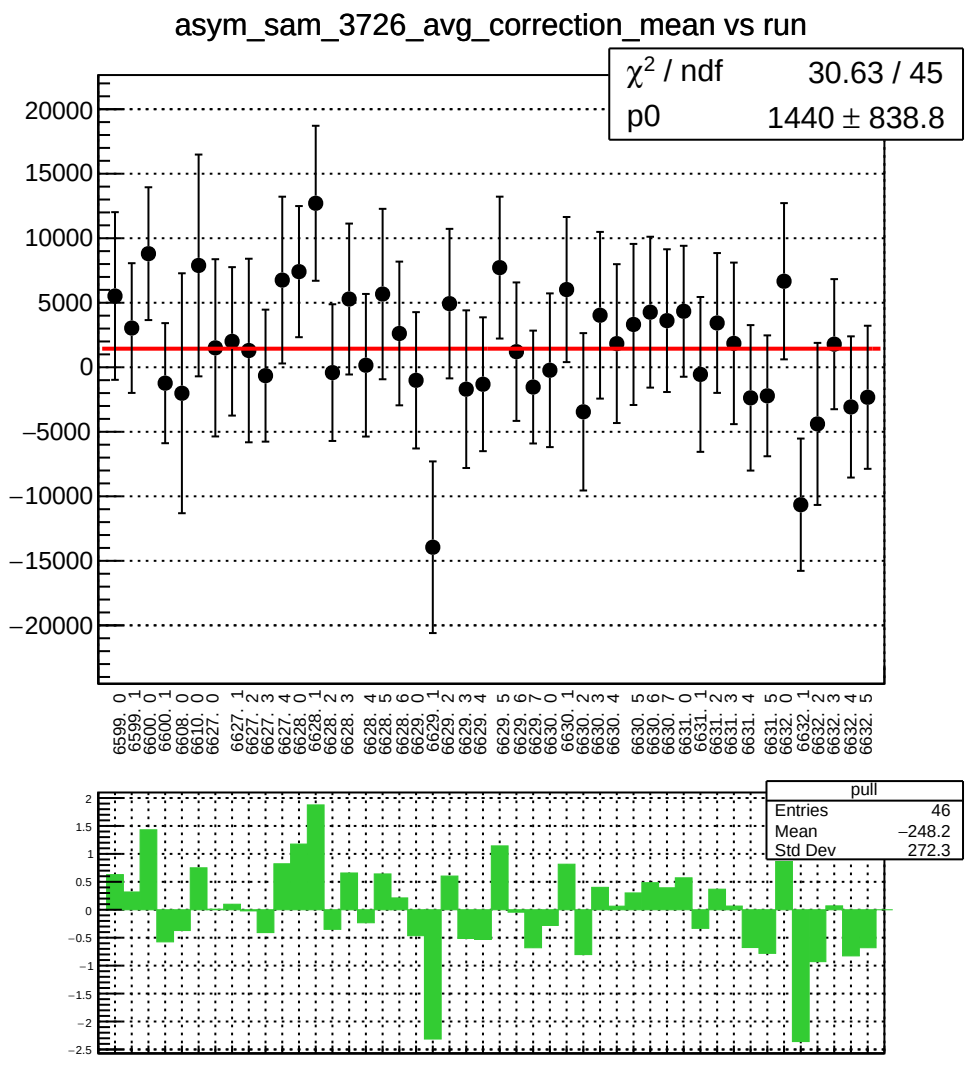

asym_sam_1526_avg_mean vs run
χ² / ndf 37.7 / 45
p0 −659.4 ± 420.6
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −283.8
Std Dev 307.9
3
2
1
0
−1
−2

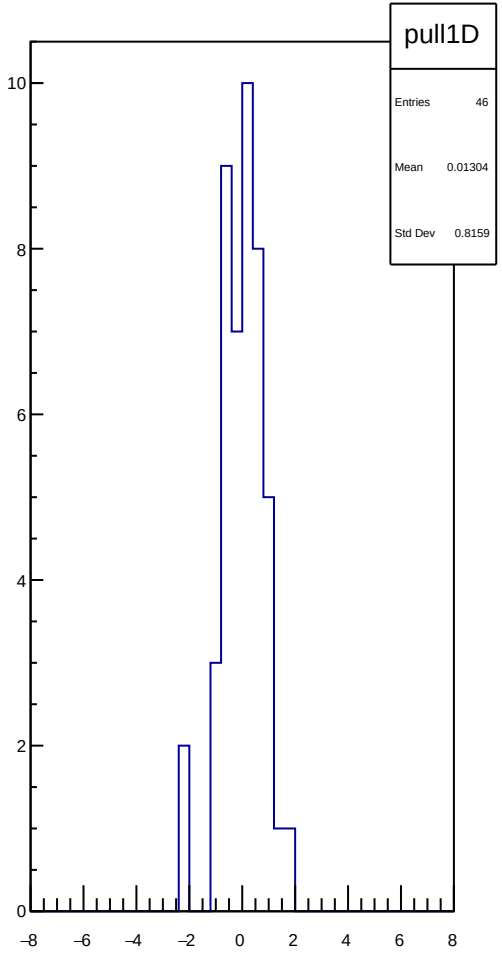

pull1D
Entries 46
Mean −0.006314
Std Dev 0.9053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

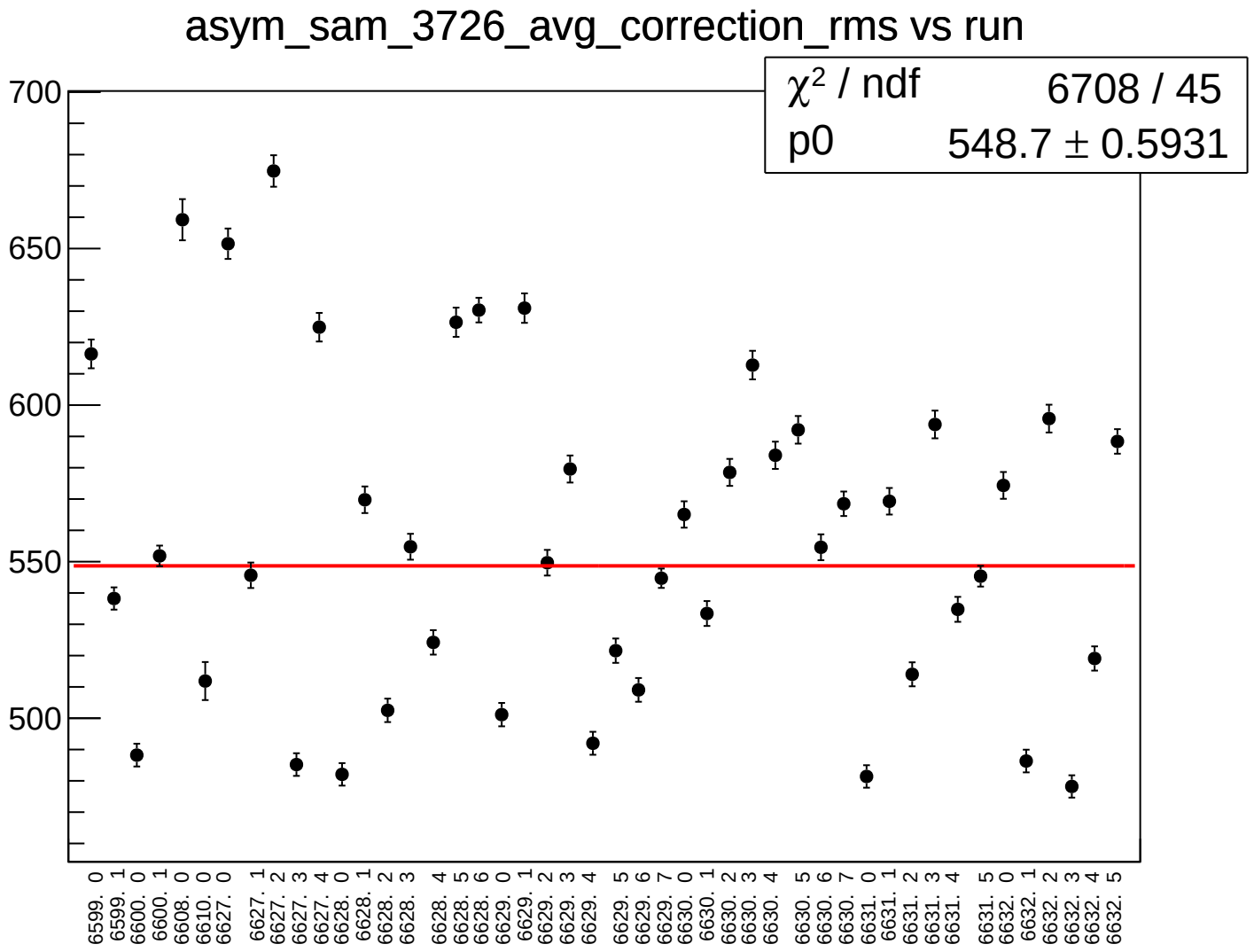

asym_sam_1526_avg_rms vs run
χ² / ndf 8728 / 45
p0 274.7 ± 0.2974
400
380
360
340
320
300
280
260
240
220
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

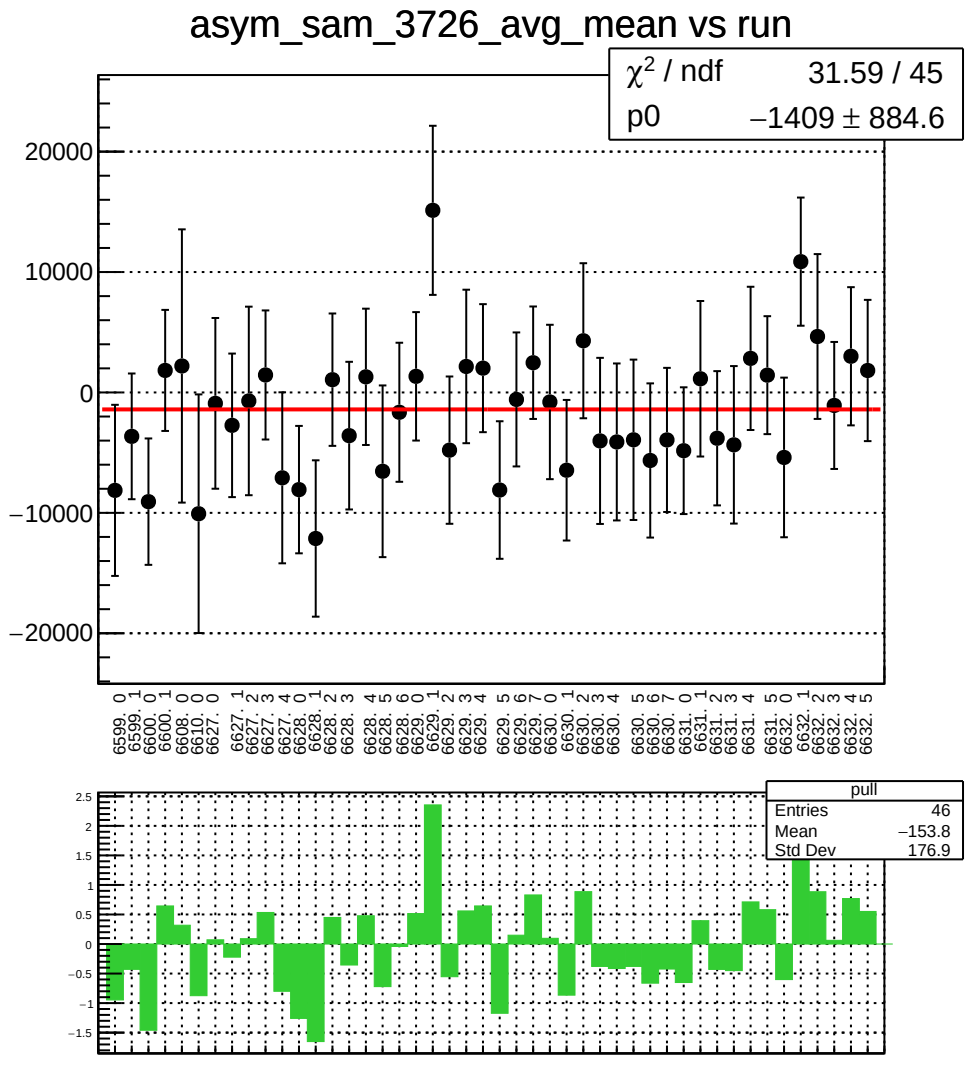

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 41.73 / 45
p0 12.52 ± 141.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 50.77
Std Dev 23.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.02754
Std Dev 0.9521
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

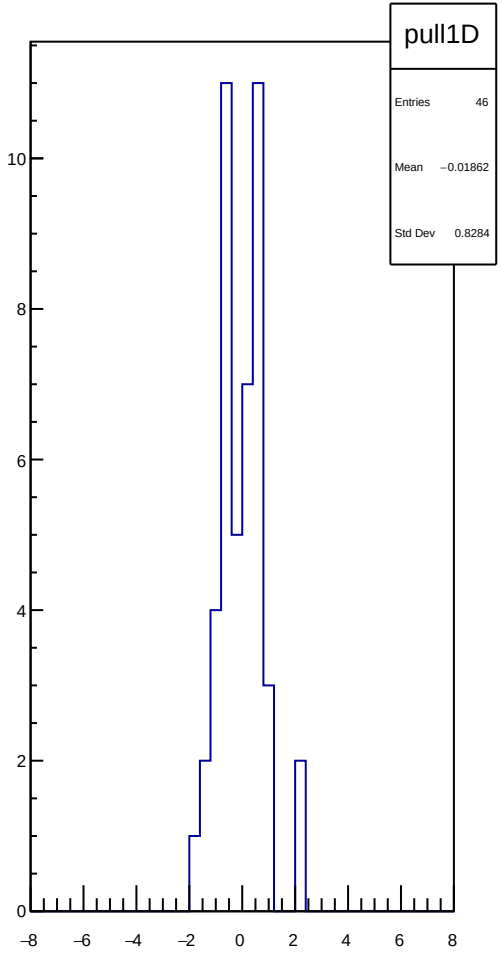

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.712e+04 / 45
p0 92.13 ± 0.1002
200
180
160
140
120
100
80
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

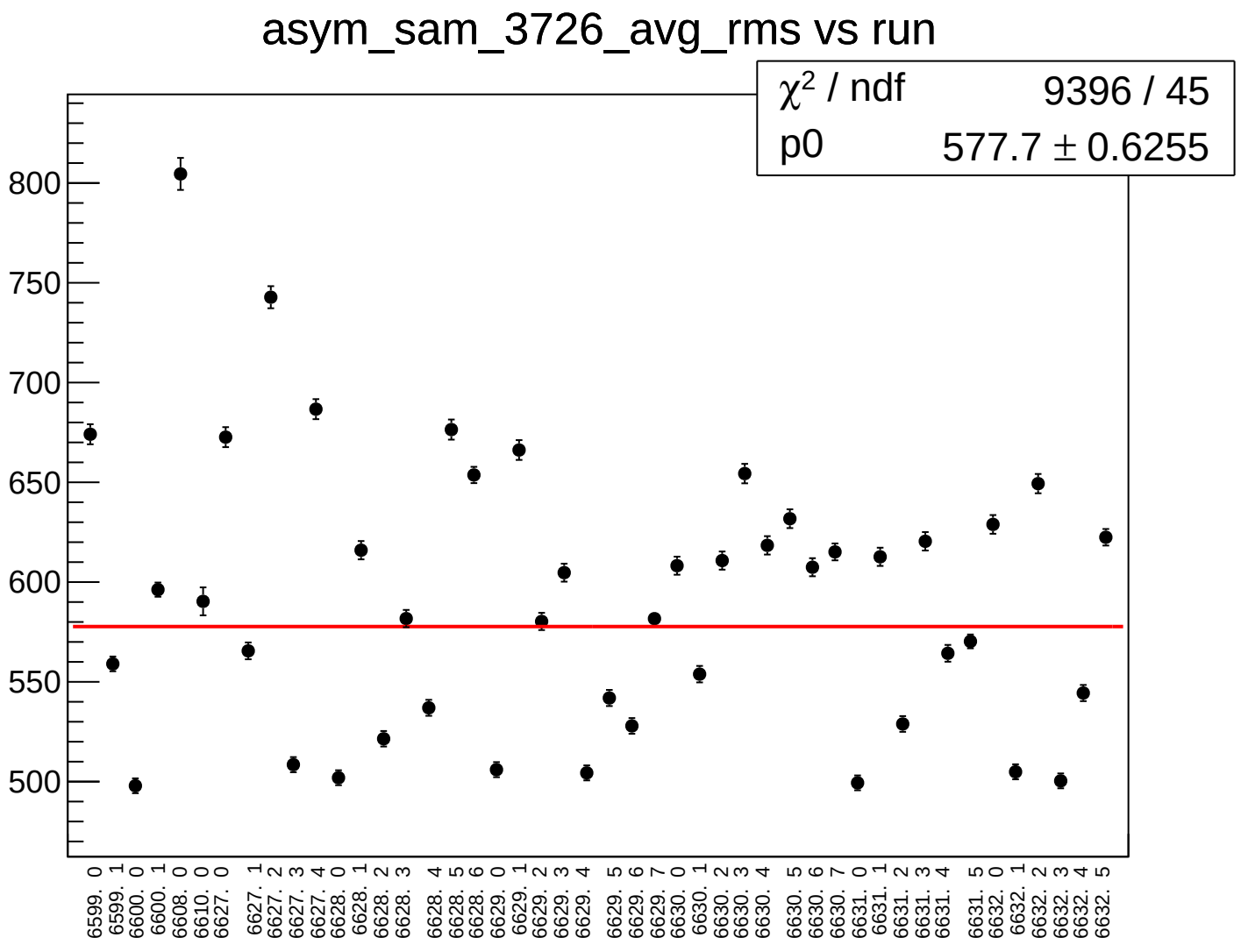

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 30.63 / 45
p0 1440 ± 838.8
pull
Entries 46
Mean −248.2
Std Dev 272.3

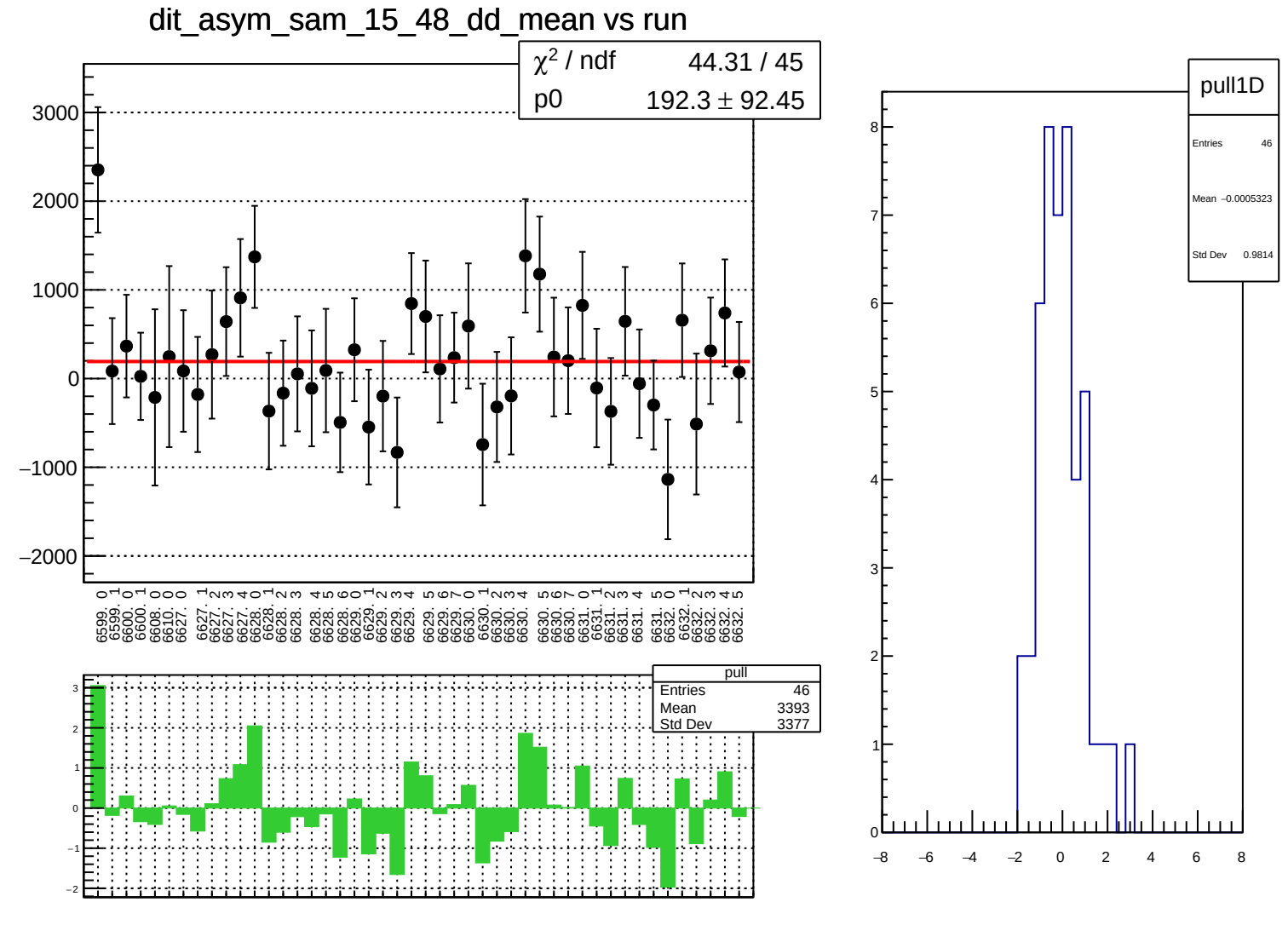

pull1D
Entries 46
Mean 0.01304
Std Dev 0.8159

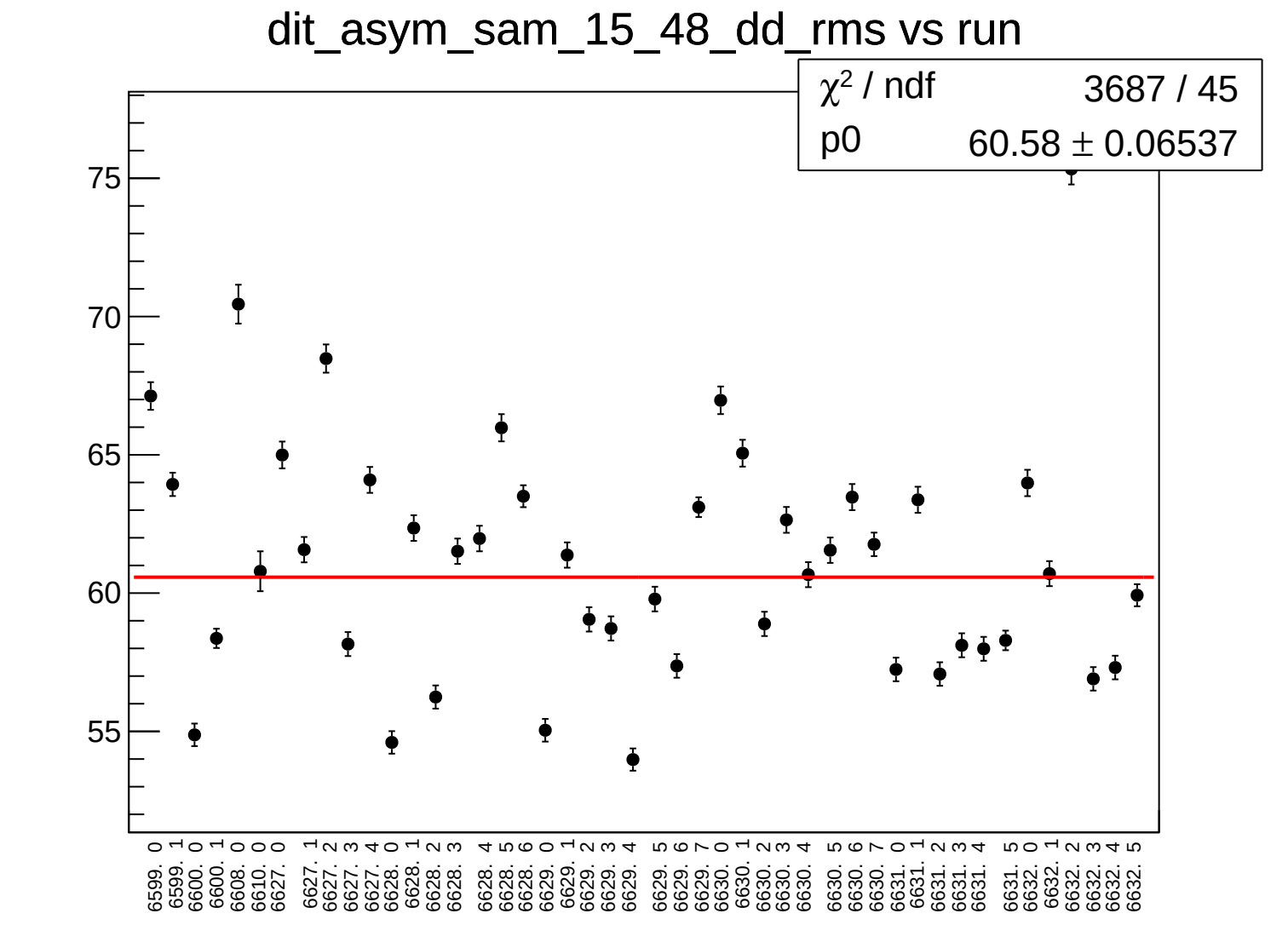

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 6708 / 45
p0 548.7 ± 0.5931
700
650
600
550
500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

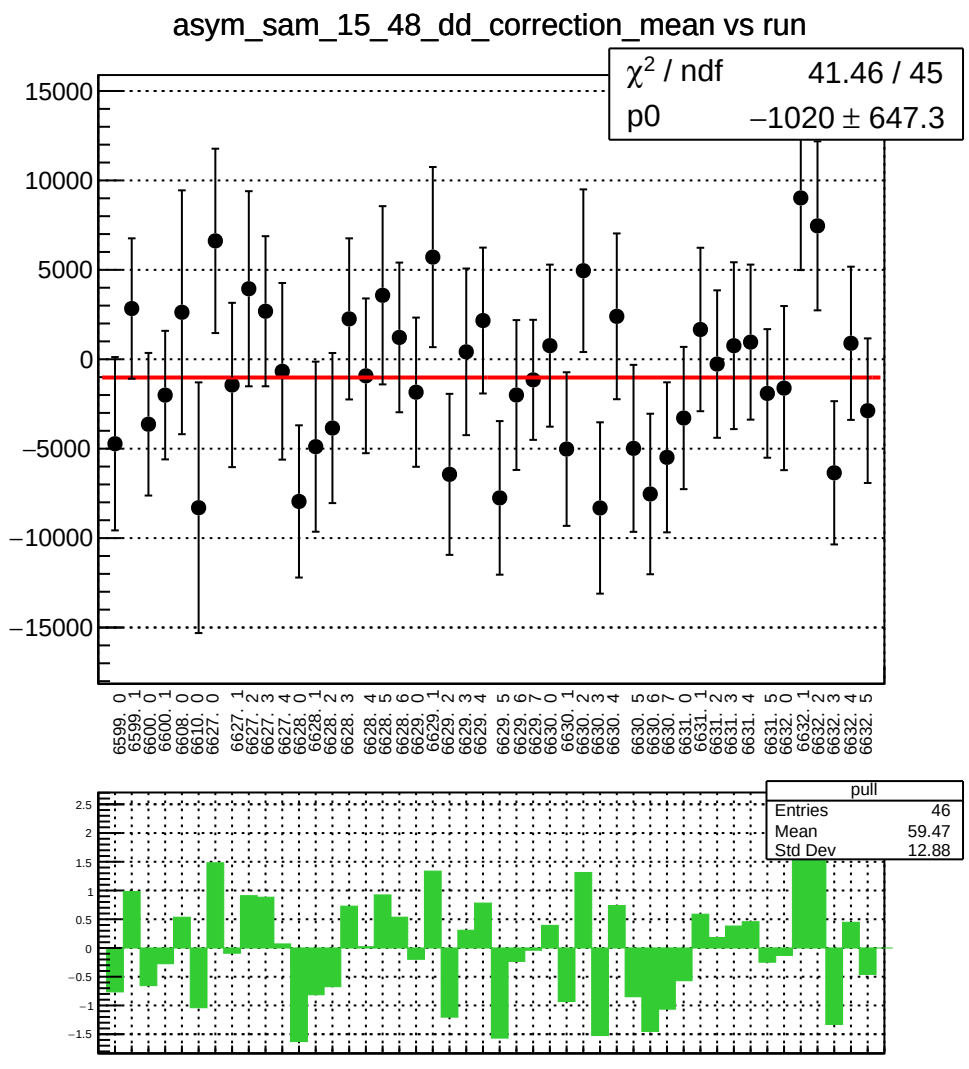

asym_sam_3726_avg_mean vs run
χ² / ndf 31.59 / 45
p0 −1409 ± 884.6
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −153.8
Std Dev 176.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

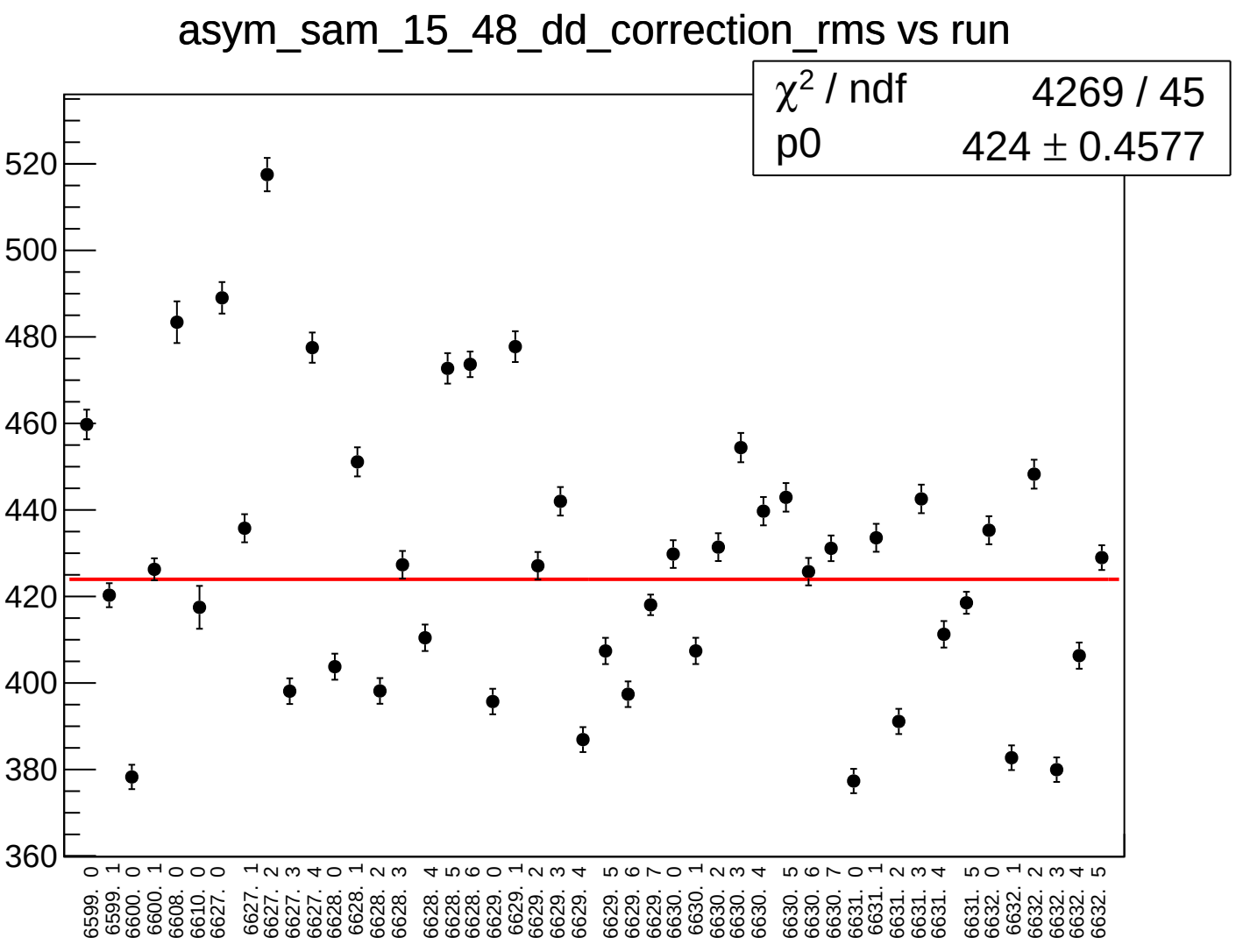

pull1D
Entries 46
Mean −0.01862
Std Dev 0.8284
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

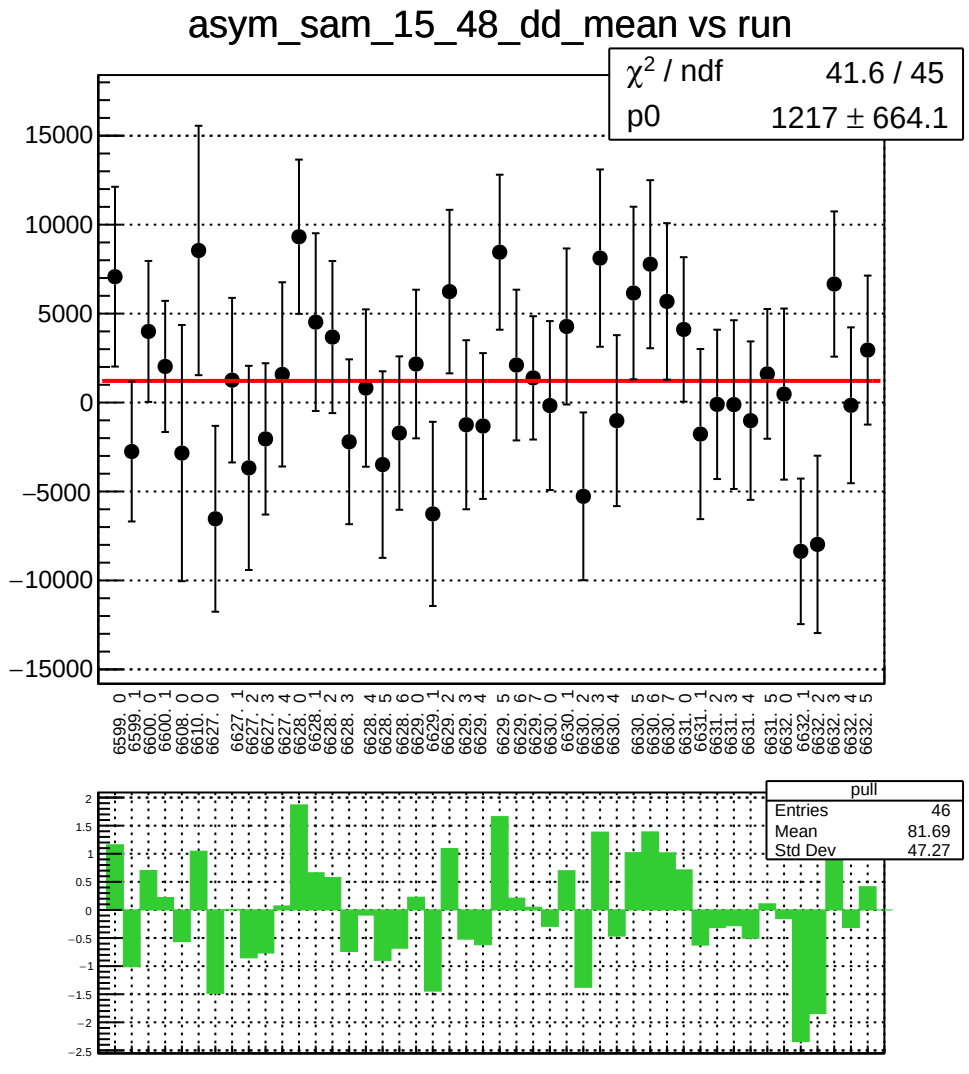

asym_sam_3726_avg_rms vs run
χ² / ndf 9396 / 45
p0 577.7 ± 0.6255
800
750
700
650
600
550
500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

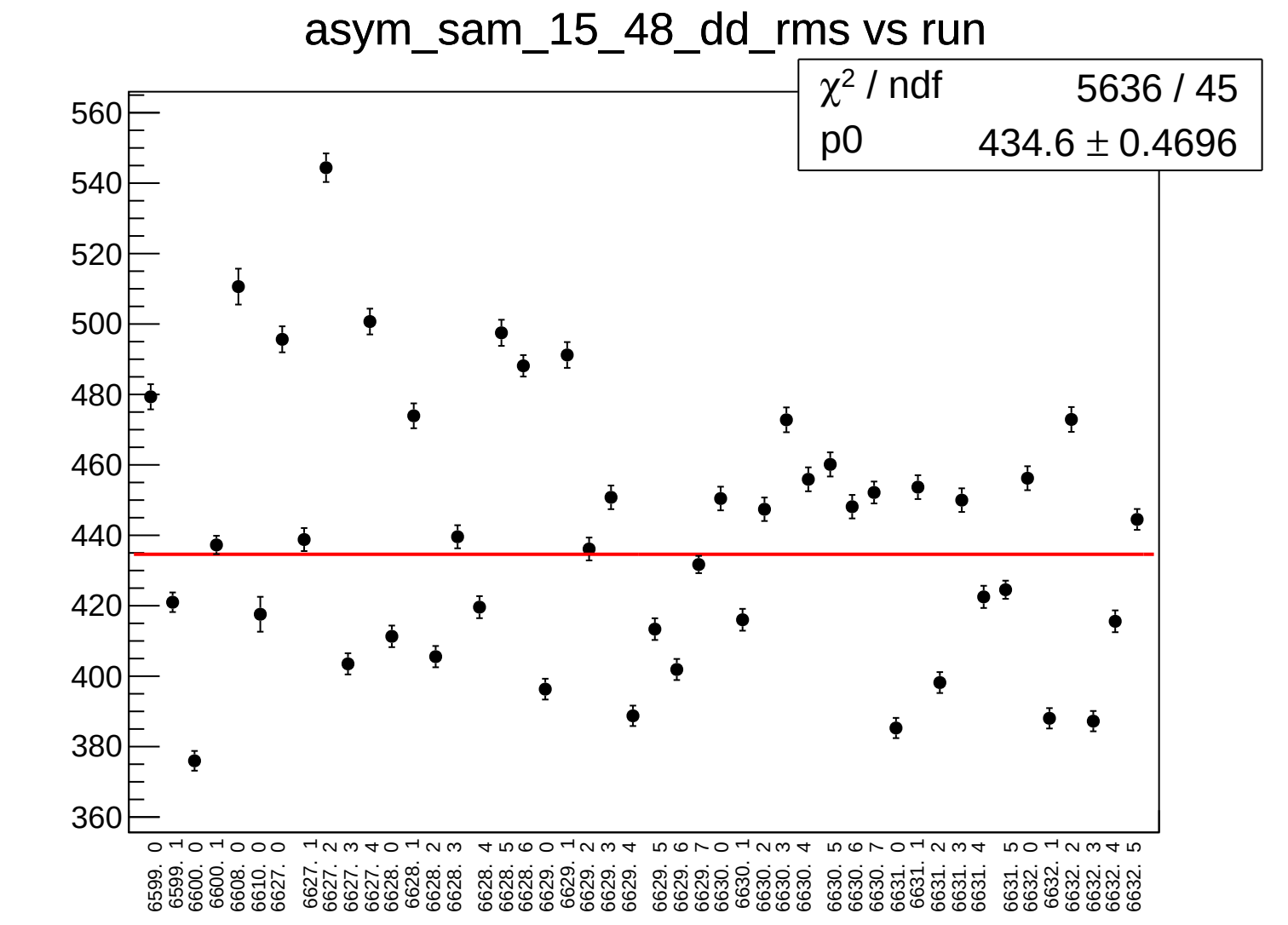

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 44.31 / 45
p0 192.3 ± 92.45
3000
2000
1000
0
−1000
−2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 3393
Std Dev 3377
3
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.0005323
Std Dev 0.9814
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

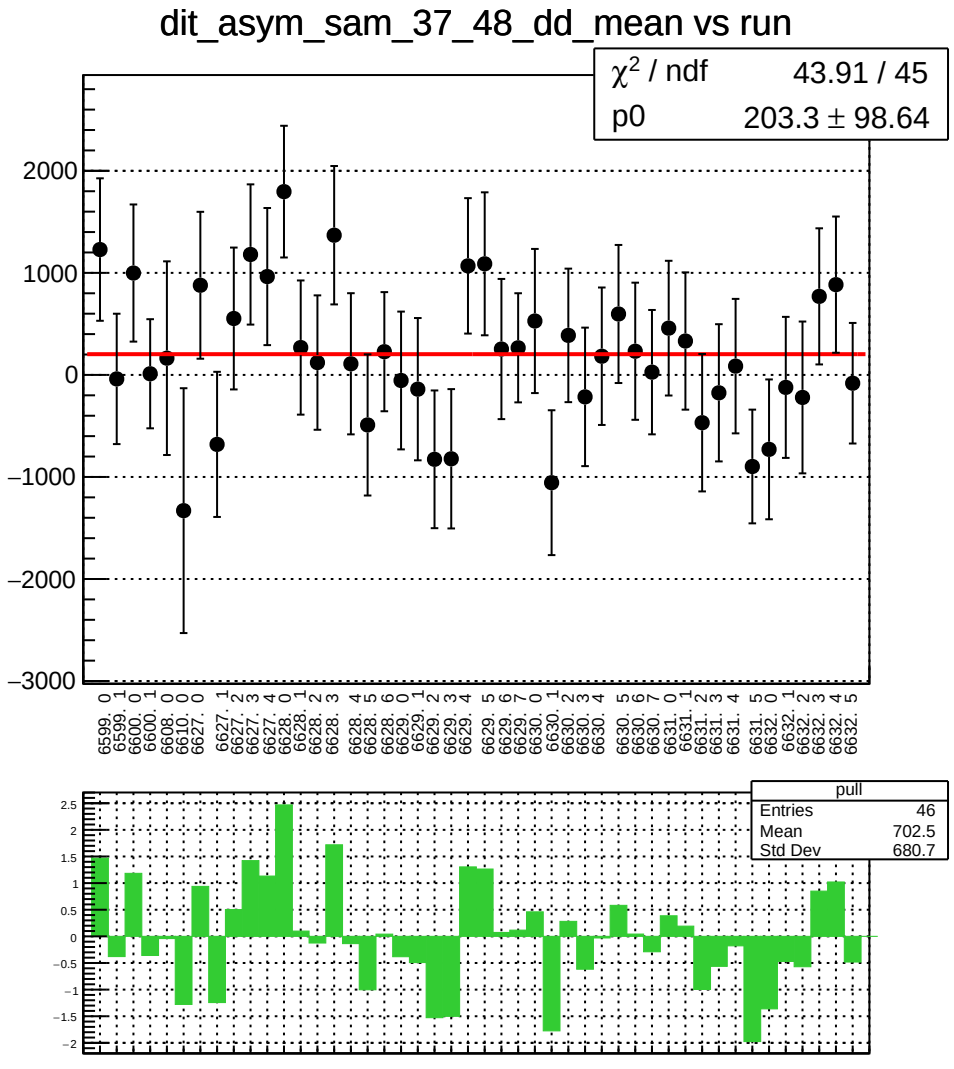

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3687 / 45
p0 60.58 ± 0.06537
75
70
65
60
55
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

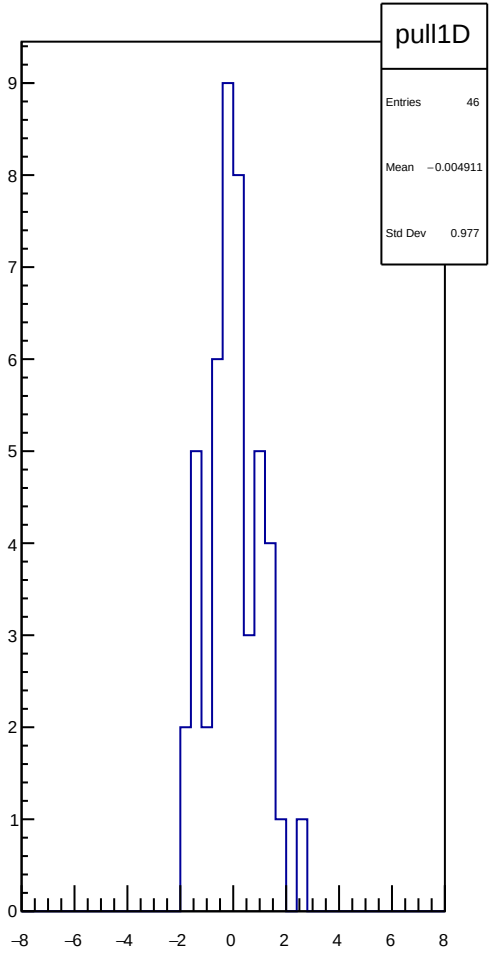

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 41.46 / 45
p0 −1020 ± 647.3
15000
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 59.47
Std Dev 12.88
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.01193
Std Dev 0.9493
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

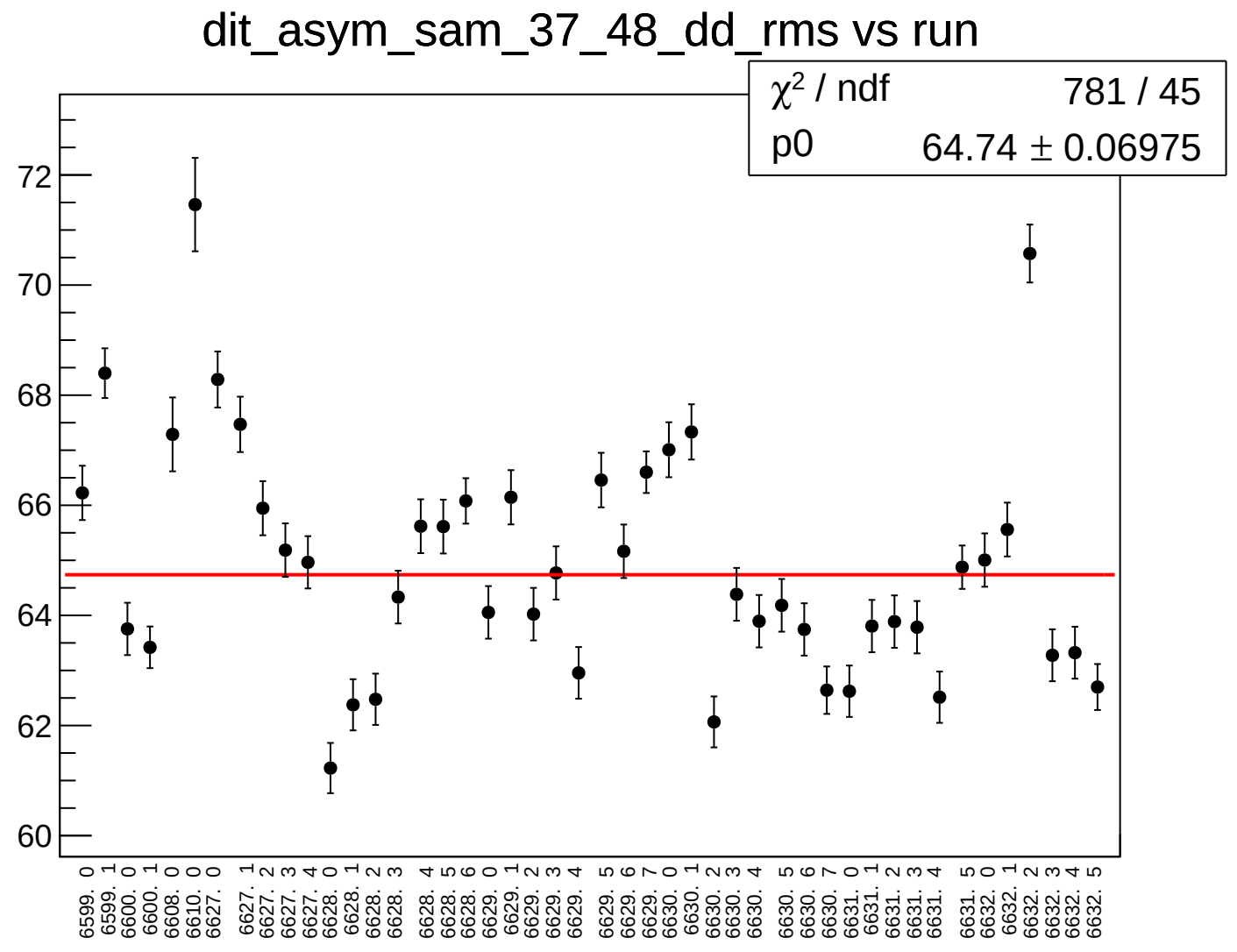

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 4269 / 45
p0 424 ± 0.4577
520
500
480
460
440
420
400
380
360
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

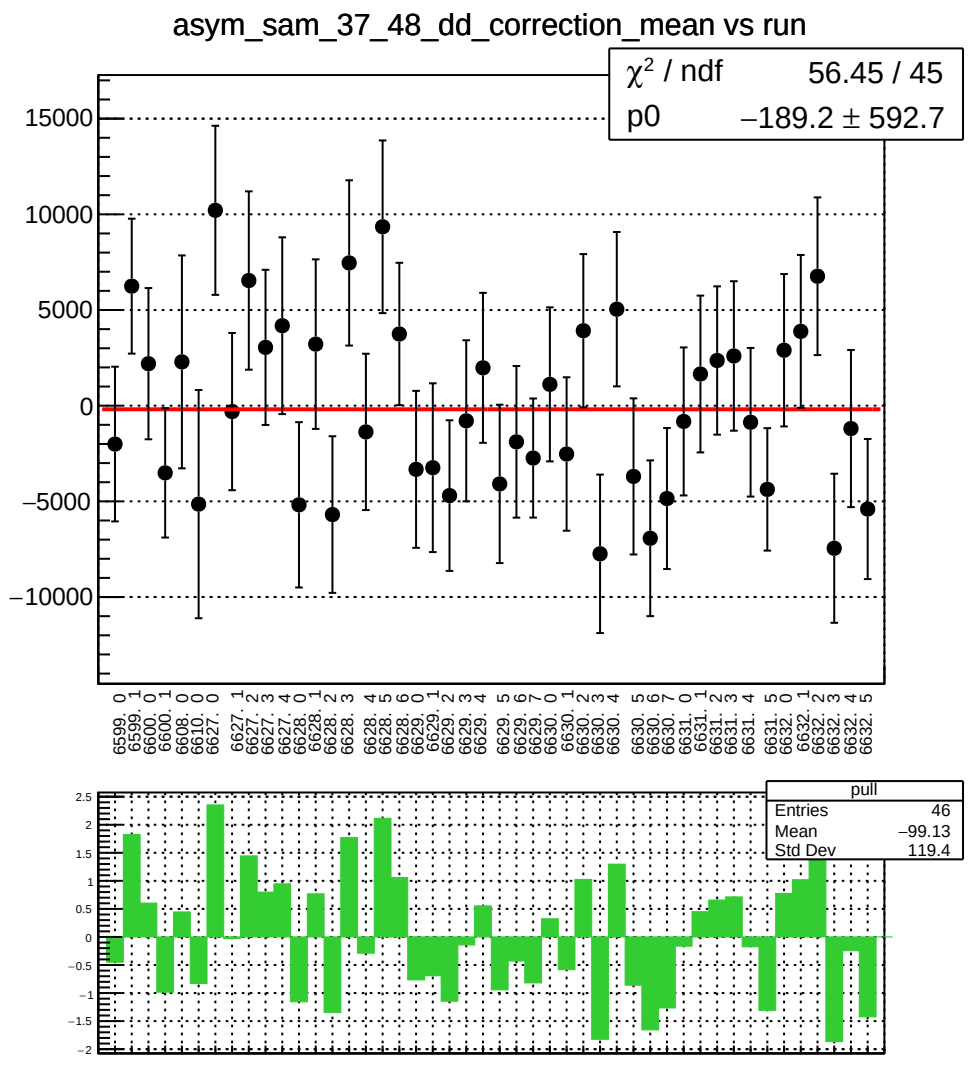

asym_sam_15_48_dd_mean vs run
χ² / ndf 41.6 / 45
p0 1217 ± 664.1
15000
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 81.69
Std Dev 47.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.01182
Std Dev 0.9509
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

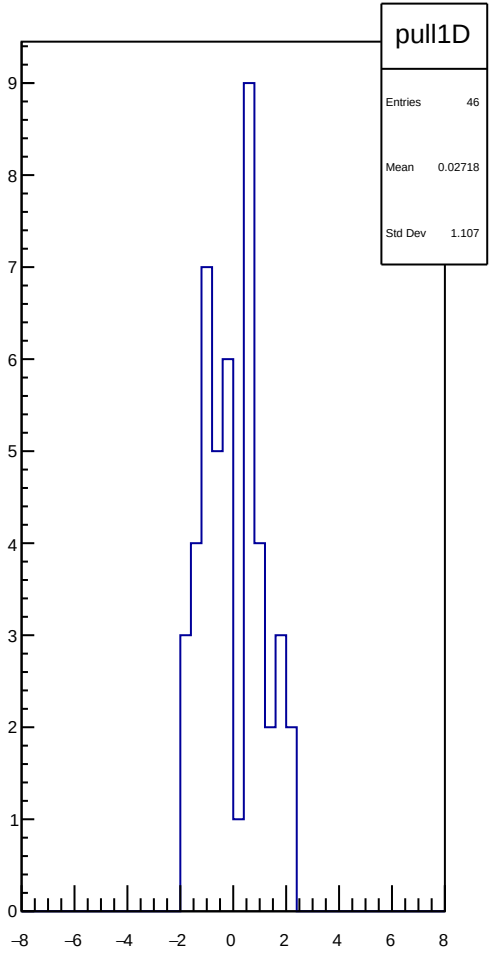

asym_sam_15_48_dd_rms vs run
χ² / ndf 5636 / 45
p0 434.6 ± 0.4696
560
540
520
500
480
460
440
420
400
380
360
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

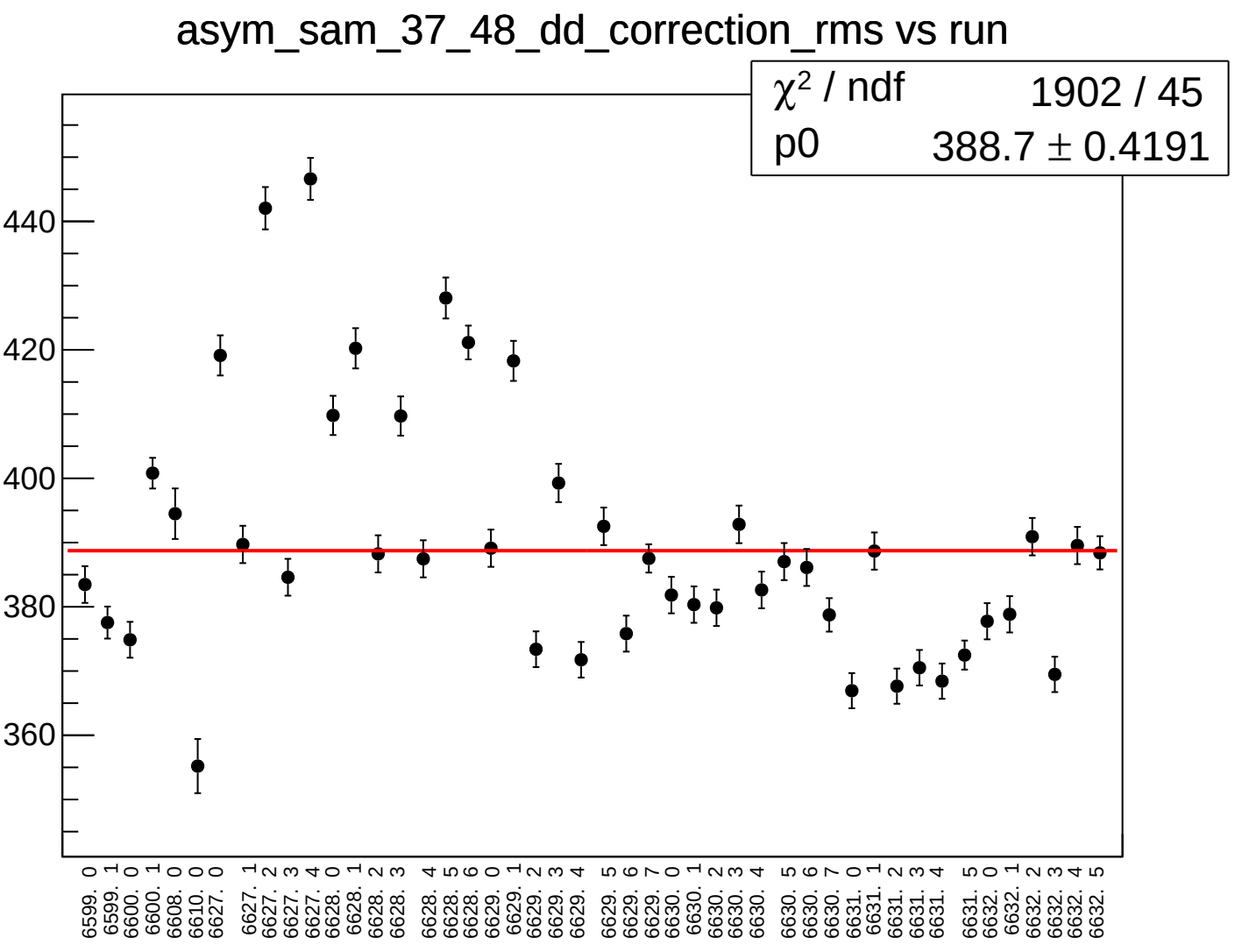

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 43.91 / 45
p0 203.3 ± 98.64
2000
1000
0
−1000
−2000
−3000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 702.5
Std Dev 680.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

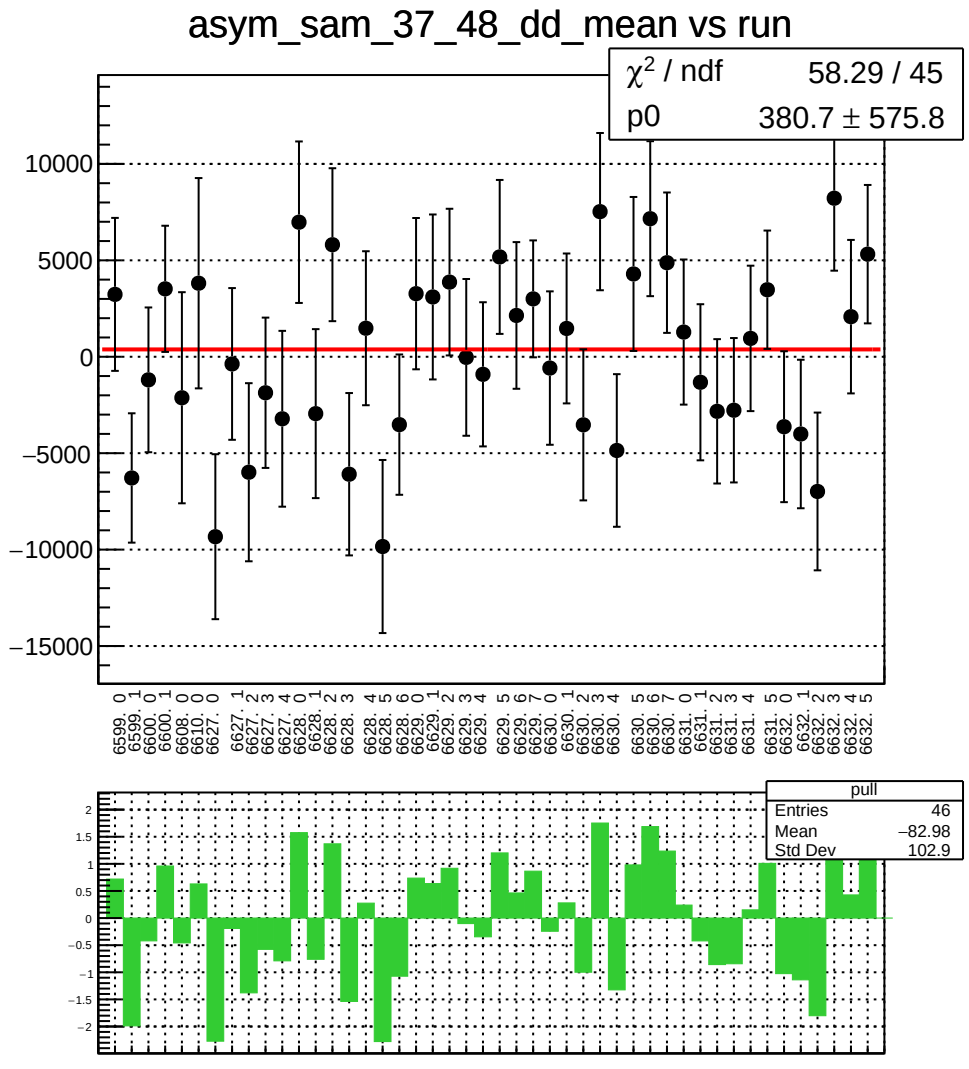

pull1D
Entries 46
Mean −0.004911
Std Dev 0.977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

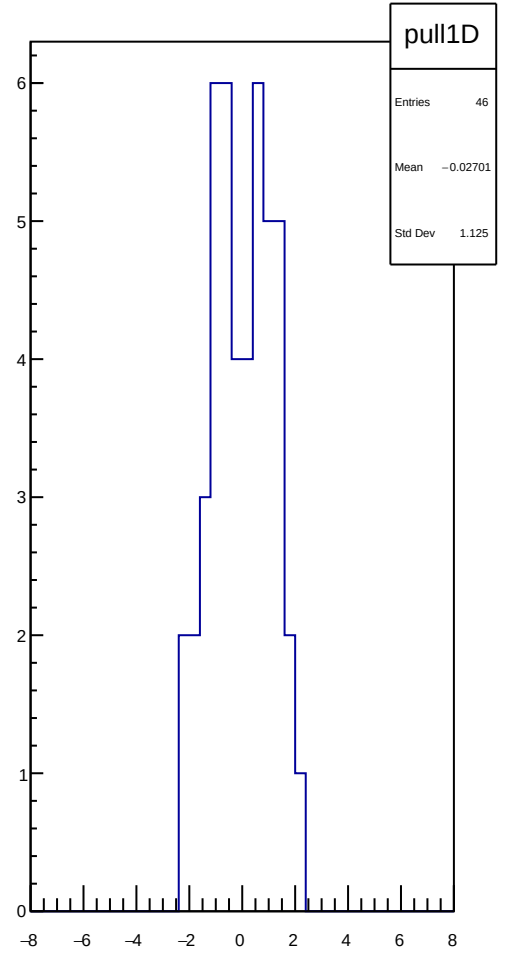

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 781 / 45
p0 64.74 ± 0.06975
72
70
68
66
64
62
60
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

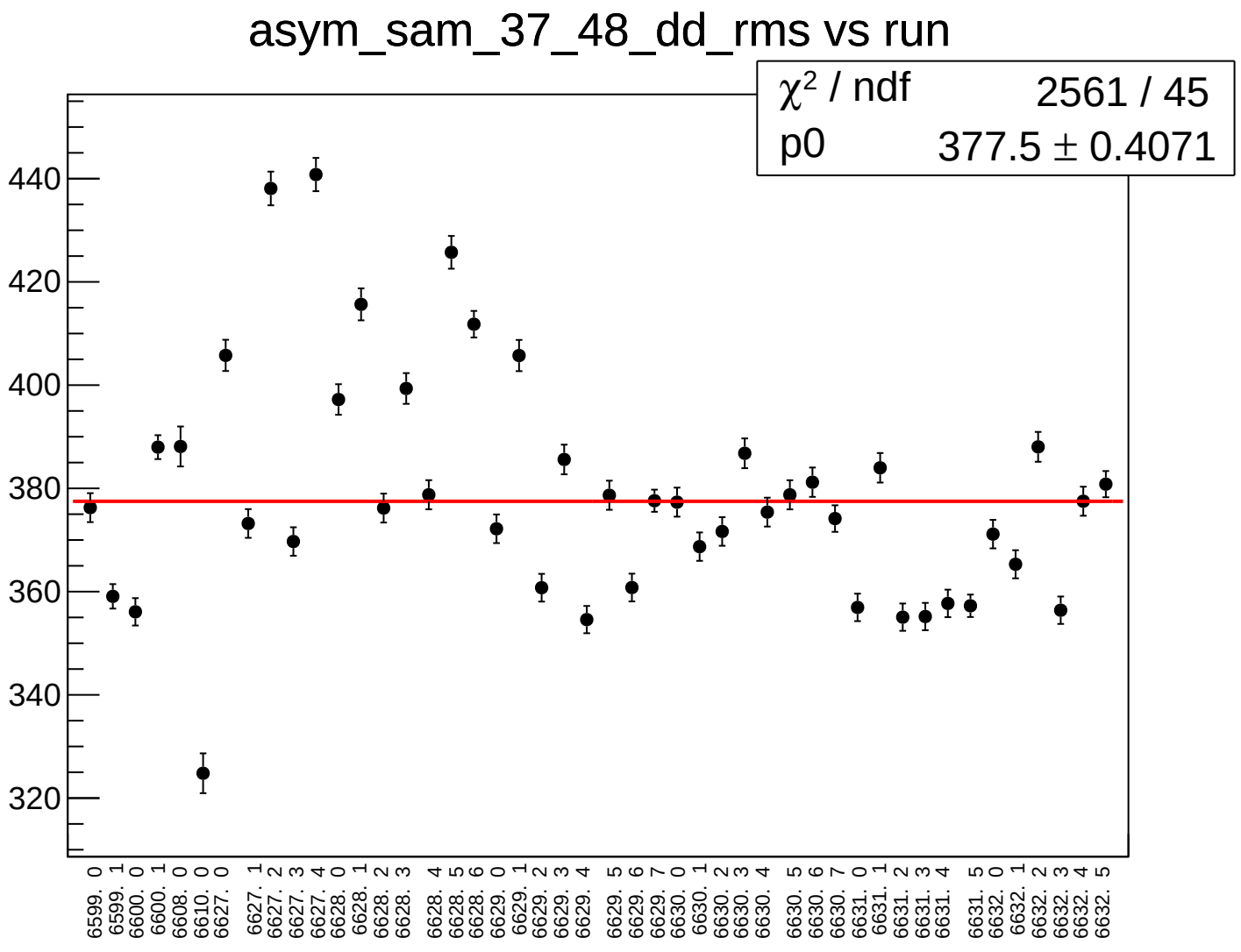

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 56.45 / 45
p0 −189.2 ± 592.7
15000
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −99.13
Std Dev 119.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

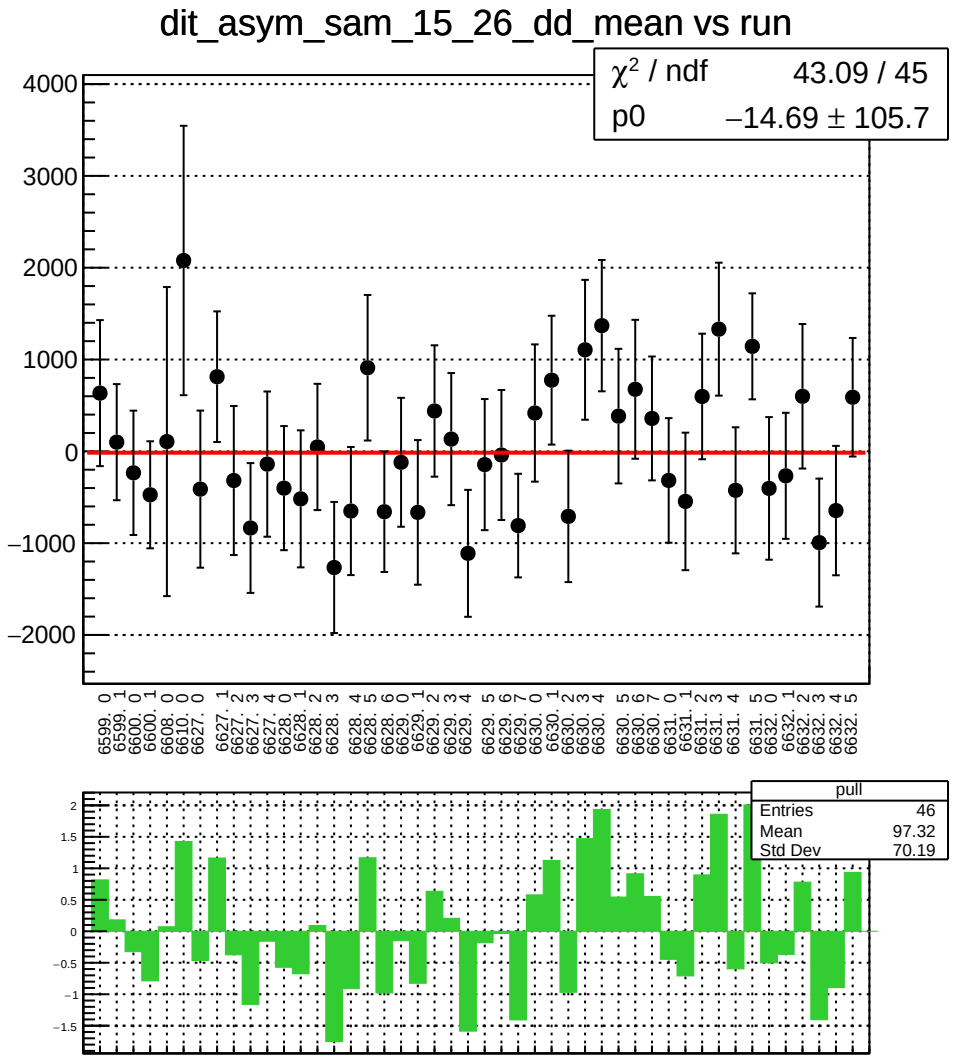

pull1D
Entries 46
Mean 0.02718
Std Dev 1.107
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

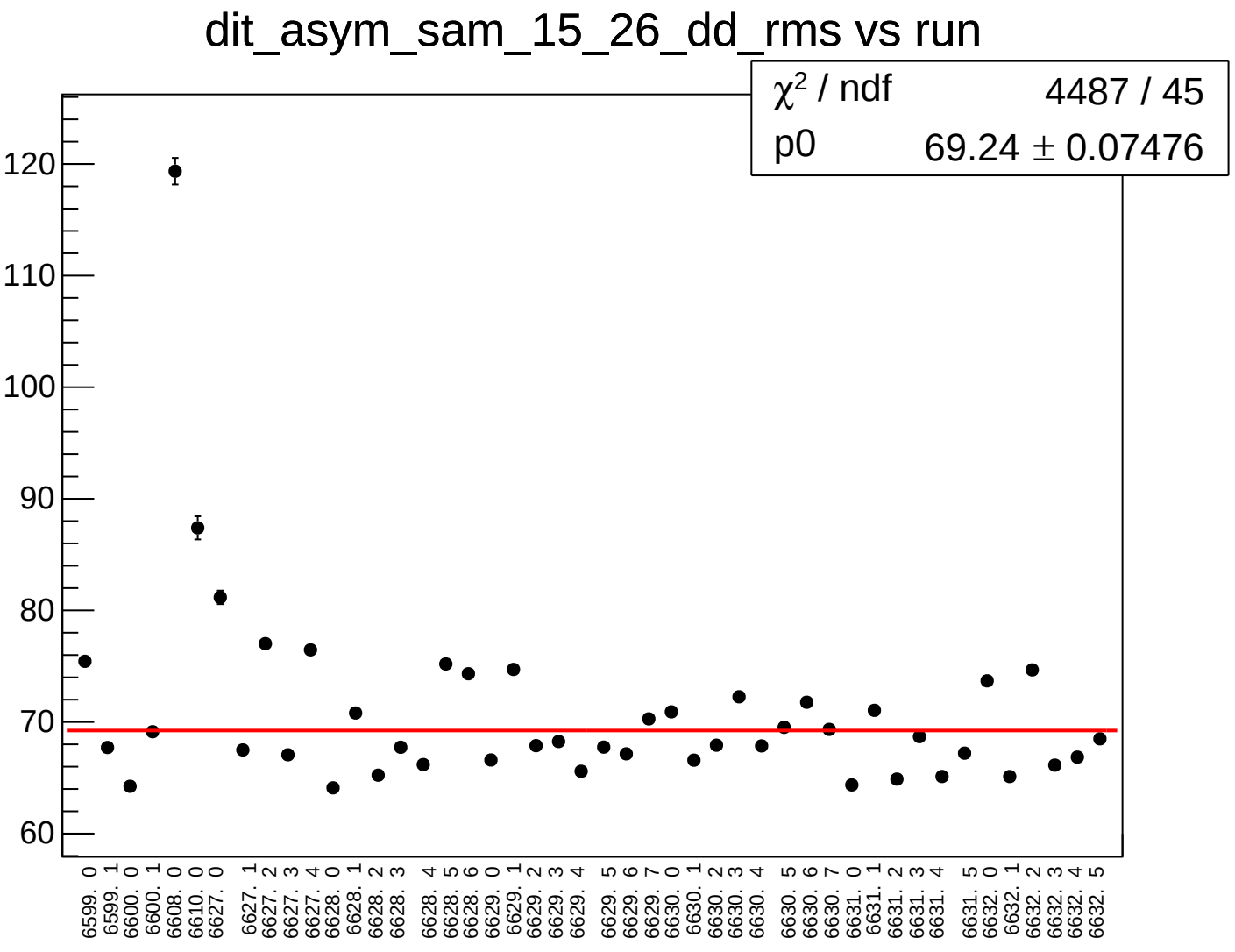

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1902 / 45
p0 388.7 ± 0.4191
440
420
400
380
360
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

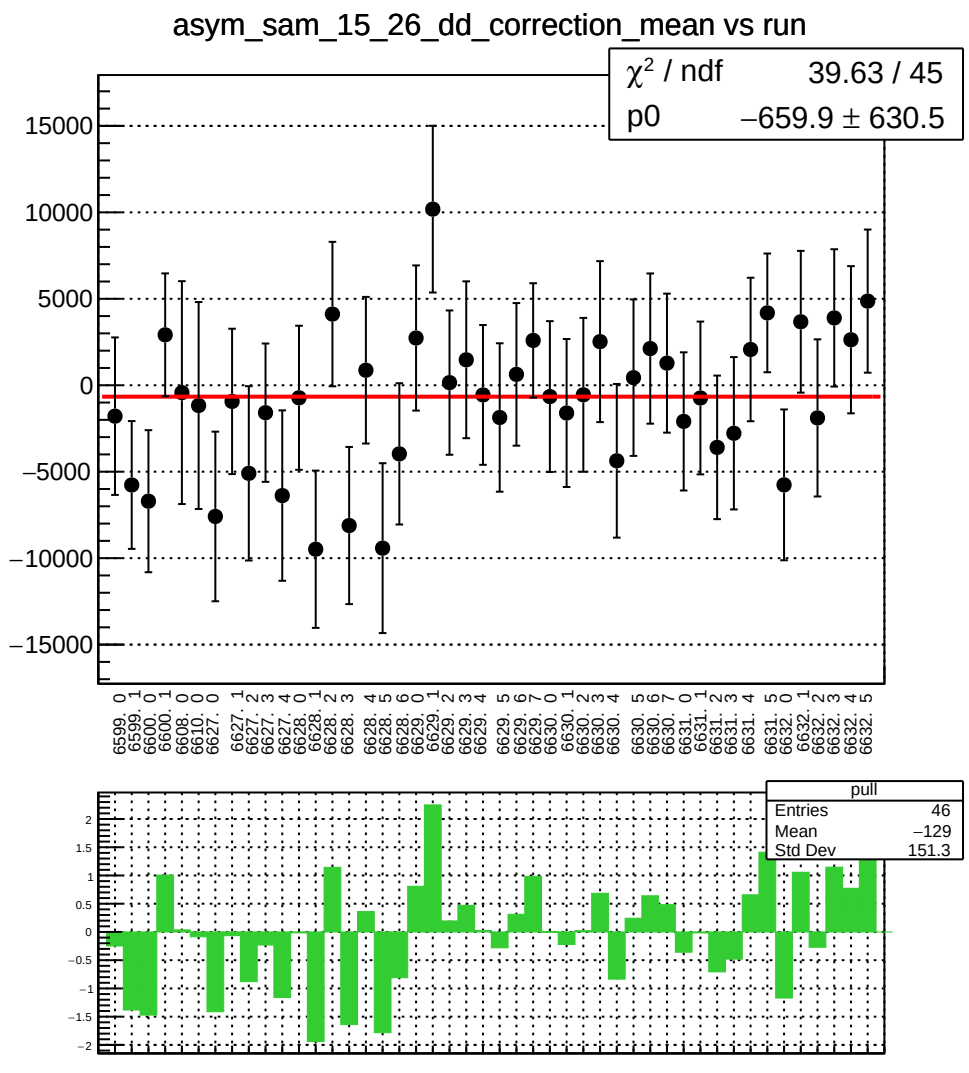

asym_sam_37_48_dd_mean vs run
χ² / ndf 58.29 / 45
p0 380.7 ± 575.8
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −82.98
Std Dev 102.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

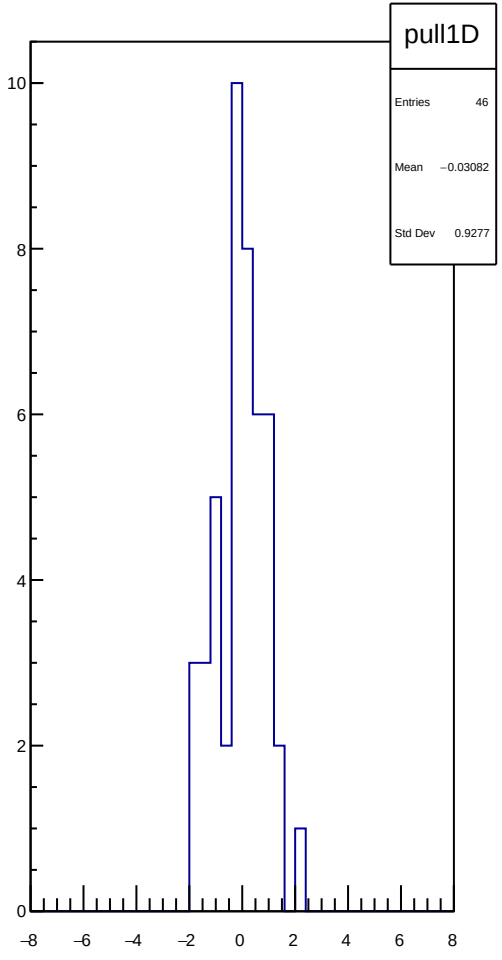

pull1D
Entries 46
Mean −0.02701
Std Dev 1.125
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

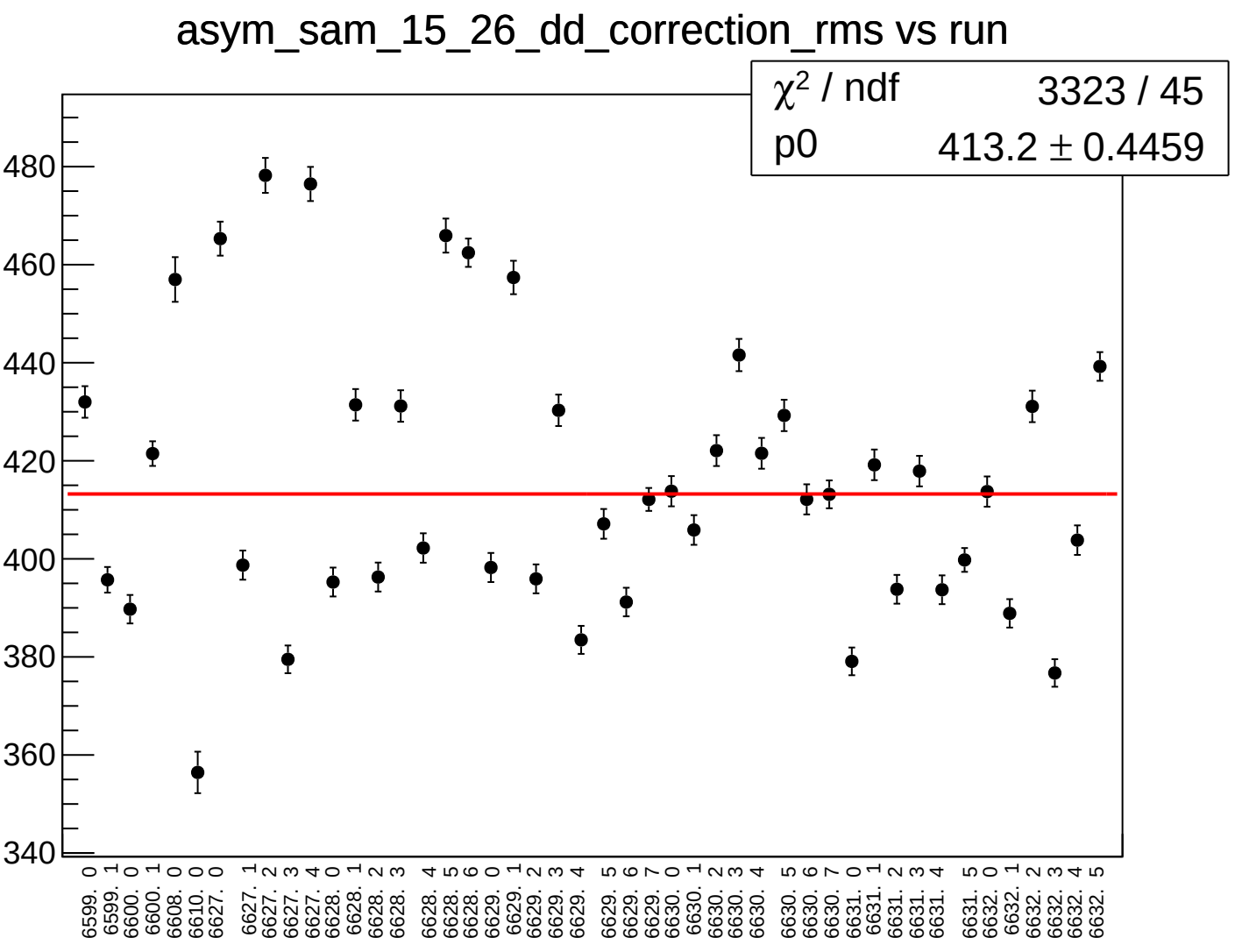

asym_sam_37_48_dd_rms vs run
χ² / ndf 2561 / 45
p0 377.5 ± 0.4071
440
420
400
380
360
340
320
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

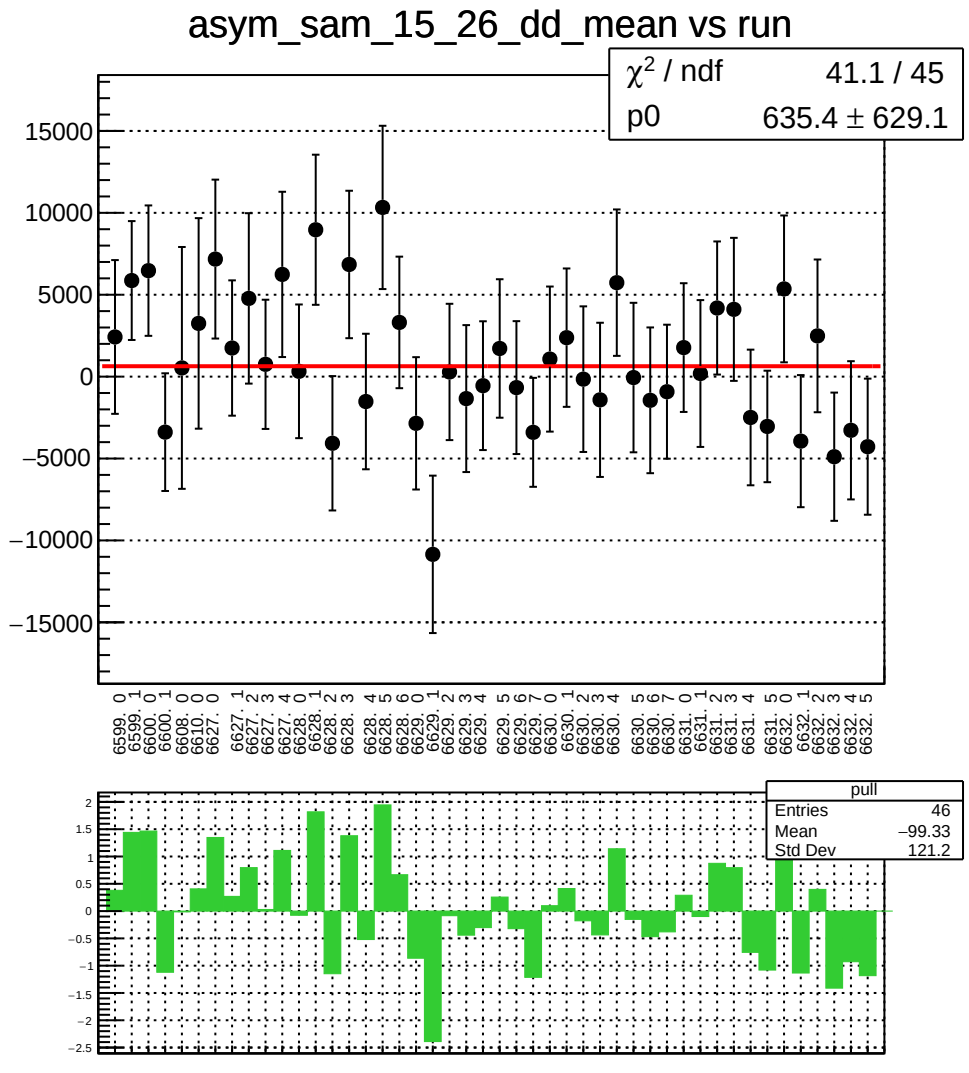

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 43.09 / 45
p0 −14.69 ± 105.7
4000
3000
2000
1000
0
−1000
−2000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 97.32
Std Dev 70.19
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.02448
Std Dev 0.9675
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

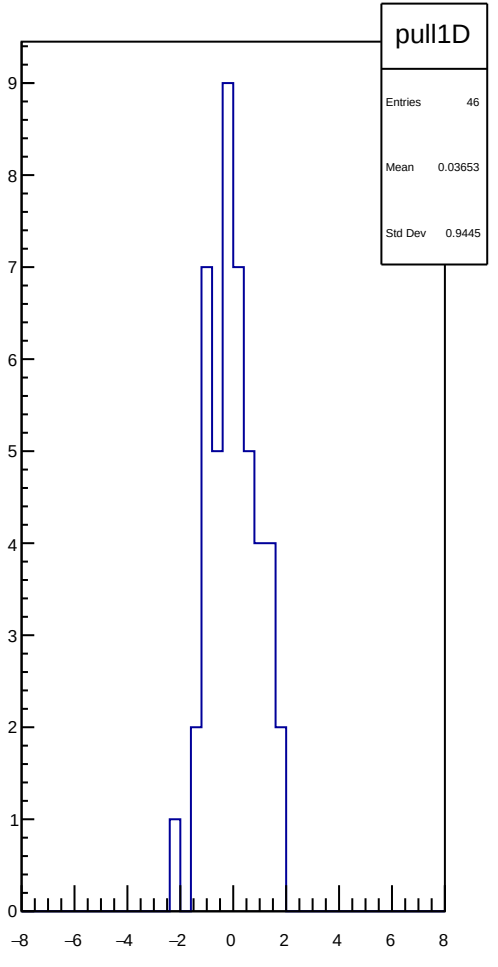

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4487 / 45
p0 69.24 ± 0.07476
120
110
100
90
80
70
60
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

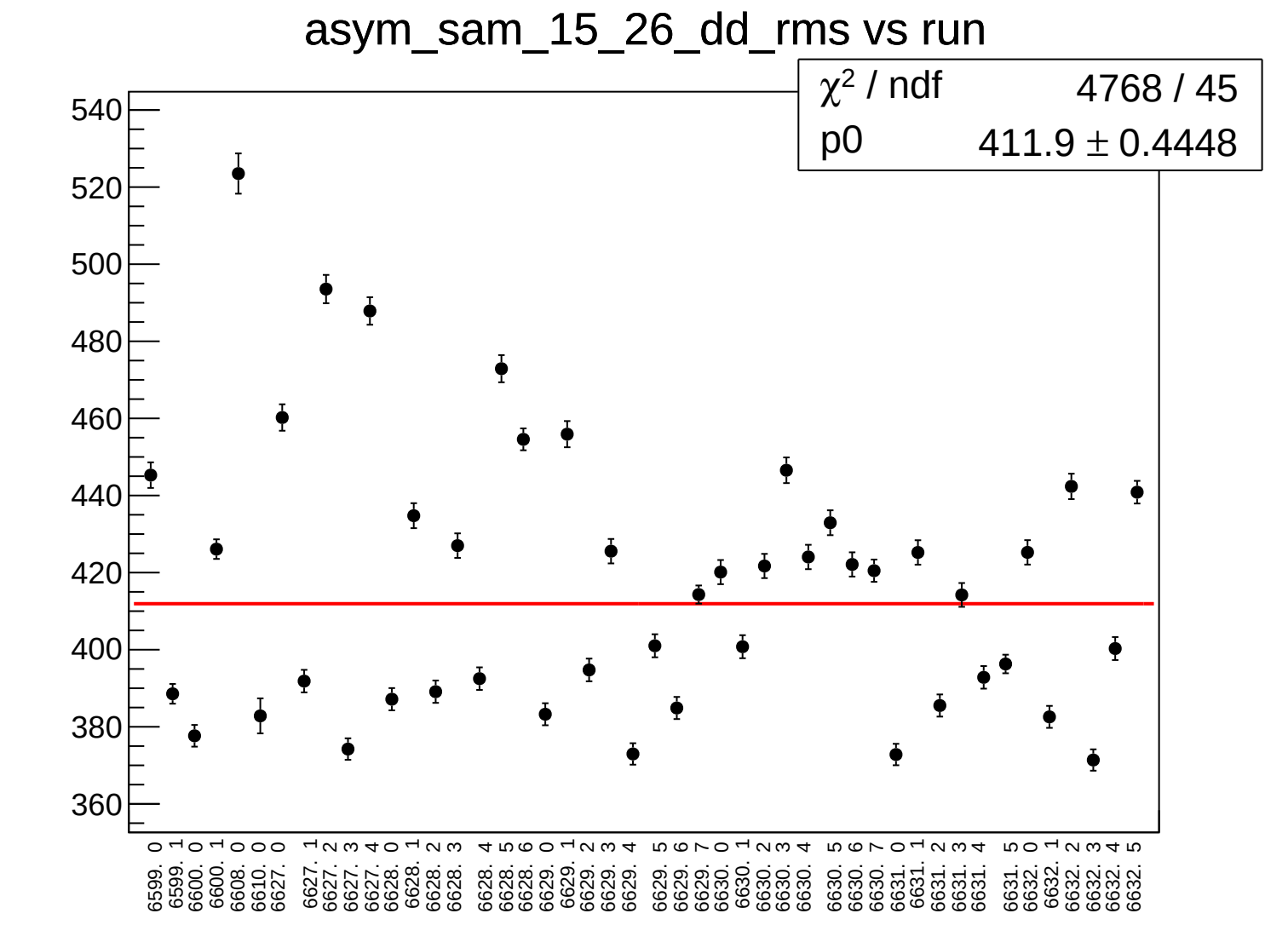

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 39.63 / 45
p0 −659.9 ± 630.5
15000
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −129
Std Dev 151.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

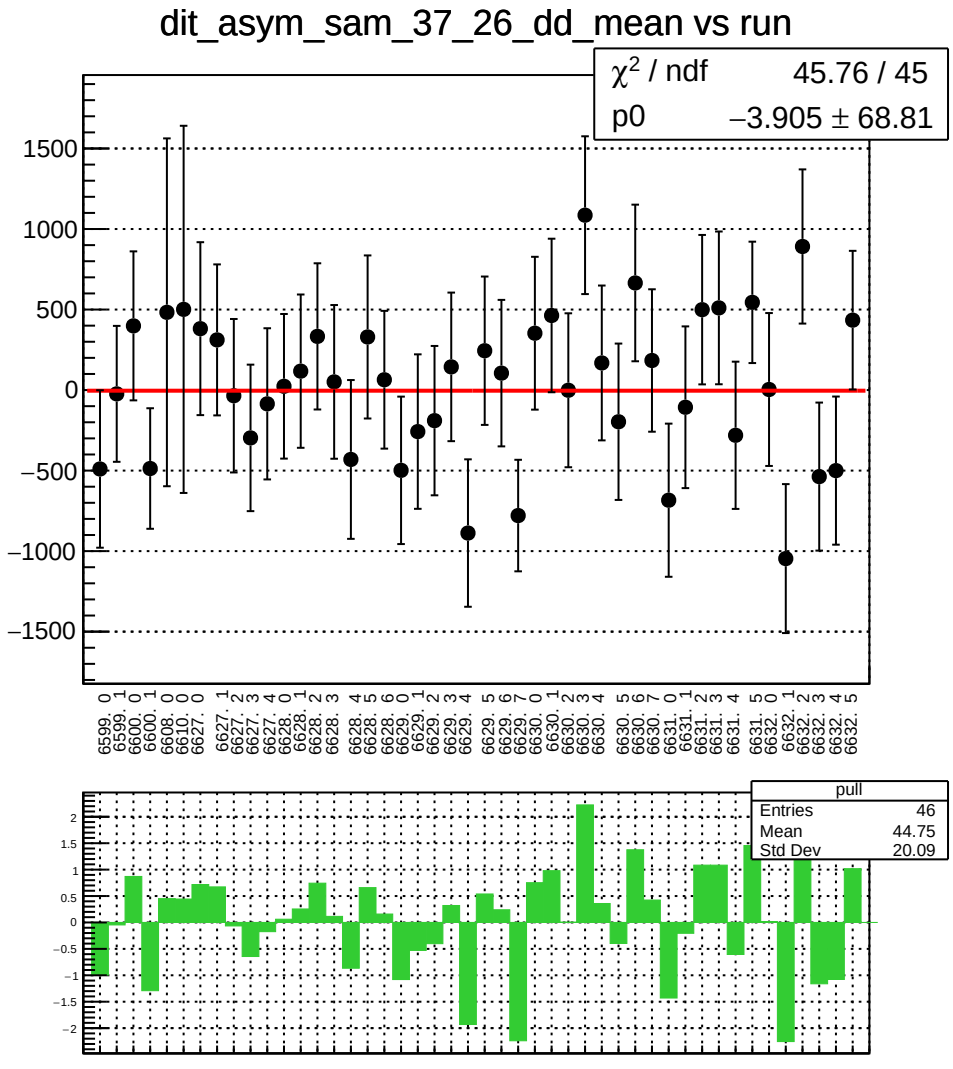

pull1D
Entries 46
Mean −0.03082
Std Dev 0.9277
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

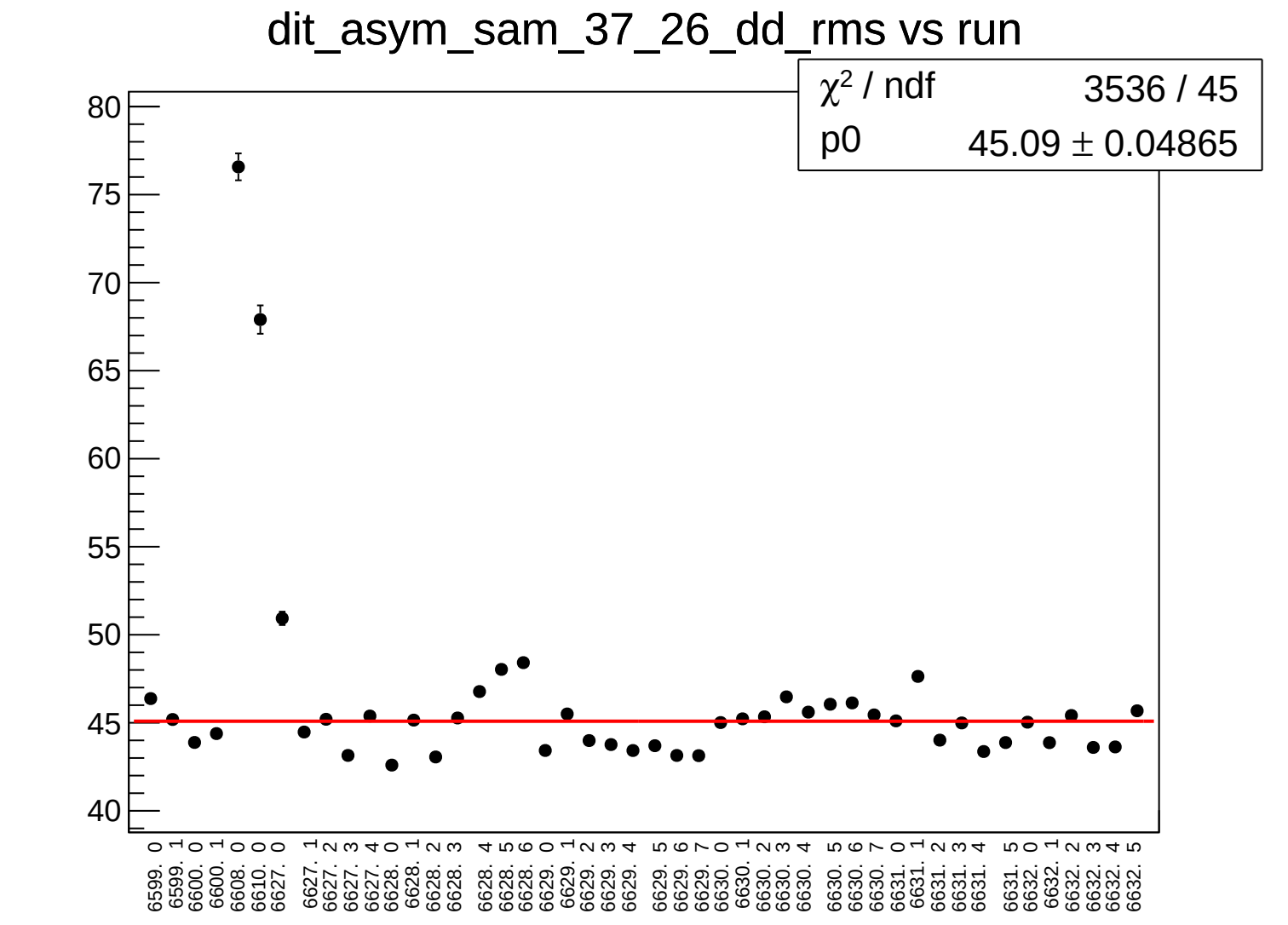

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3323 / 45
p0 413.2 ± 0.4459
480
460
440
420
400
380
360
340
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

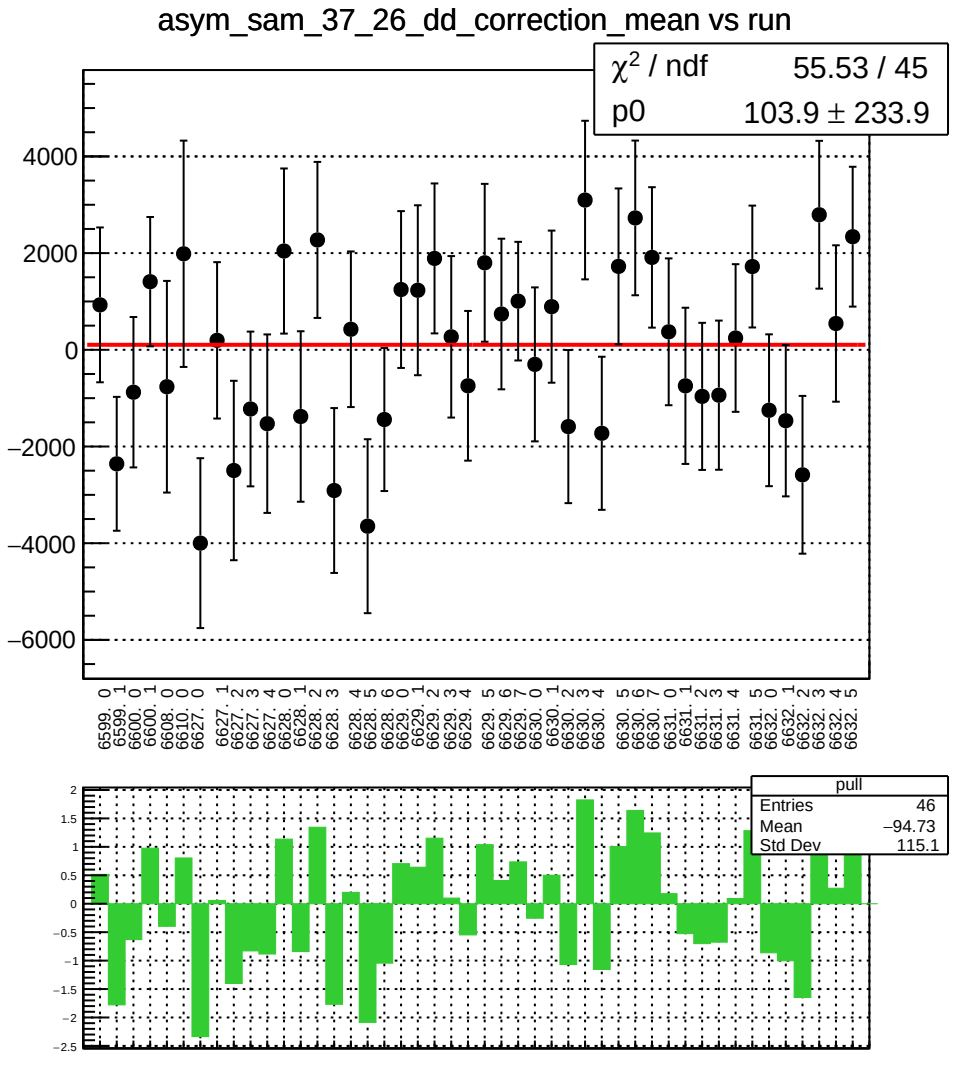

asym_sam_15_26_dd_mean vs run
χ^2 / ndf 41.1 / 45
p0 635.4 ± 629.1
15000
10000
5000
0
−5000
−10000
−15000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −99.33
Std Dev 121.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

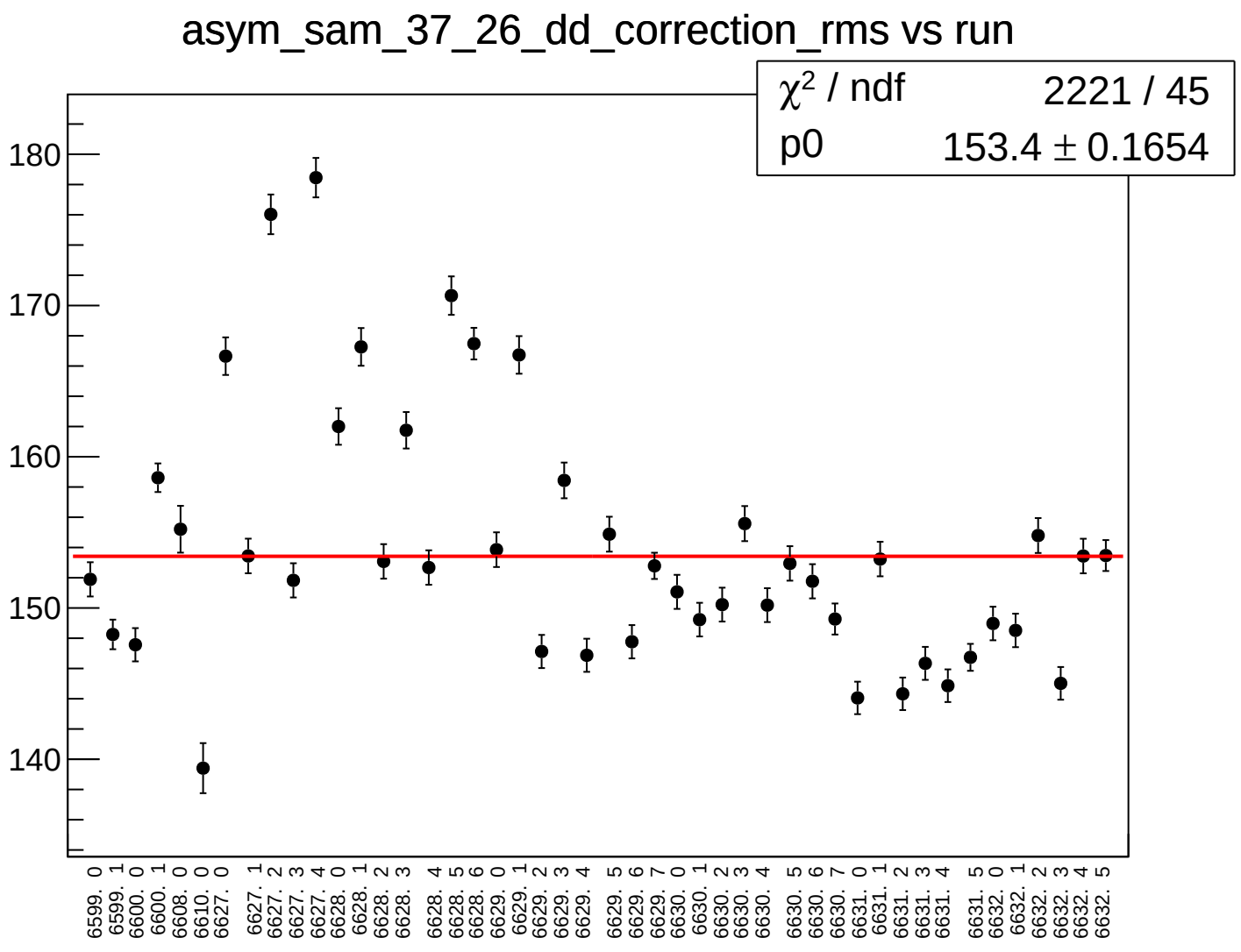

pull1D
Entries 46
Mean 0.03653
Std Dev 0.9445
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

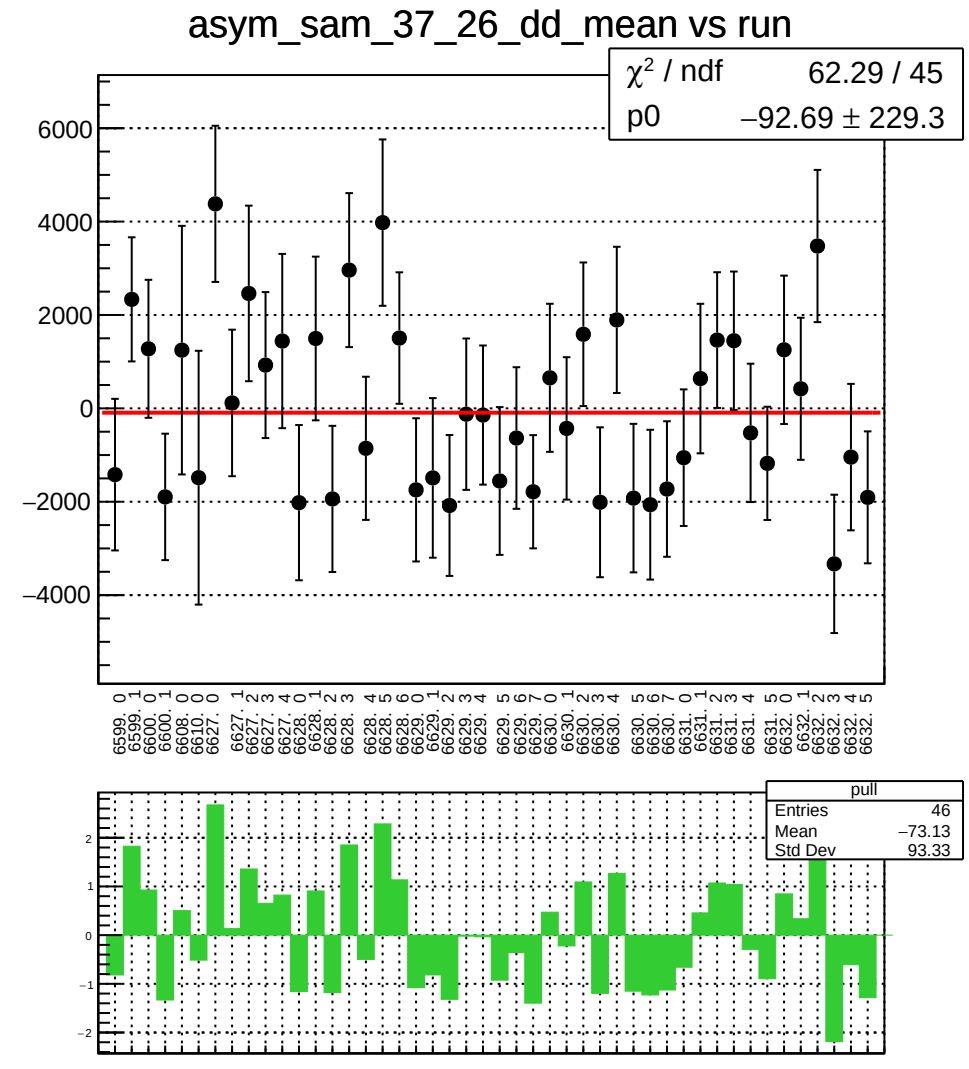

asym_sam_15_26_dd_rms vs run
χ² / ndf 4768 / 45
p0 411.9 ± 0.4448
540
520
500
480
460
440
420
400
380
360
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

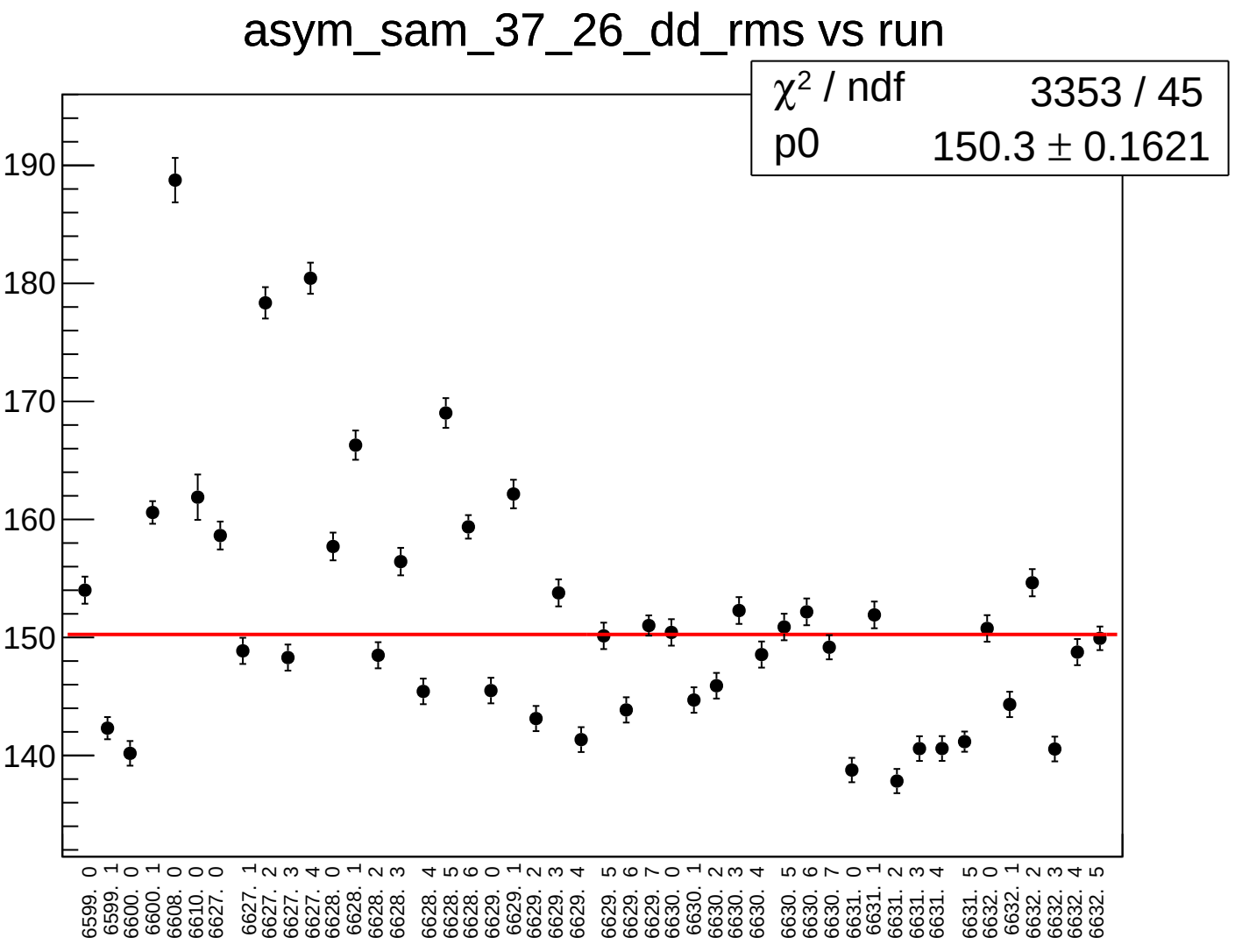

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 45.76 / 45
p0 −3.905 ± 68.81
1500
1000
500
0
−500
−1000
−1500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 44.75
Std Dev 20.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.03262
Std Dev 0.9969
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

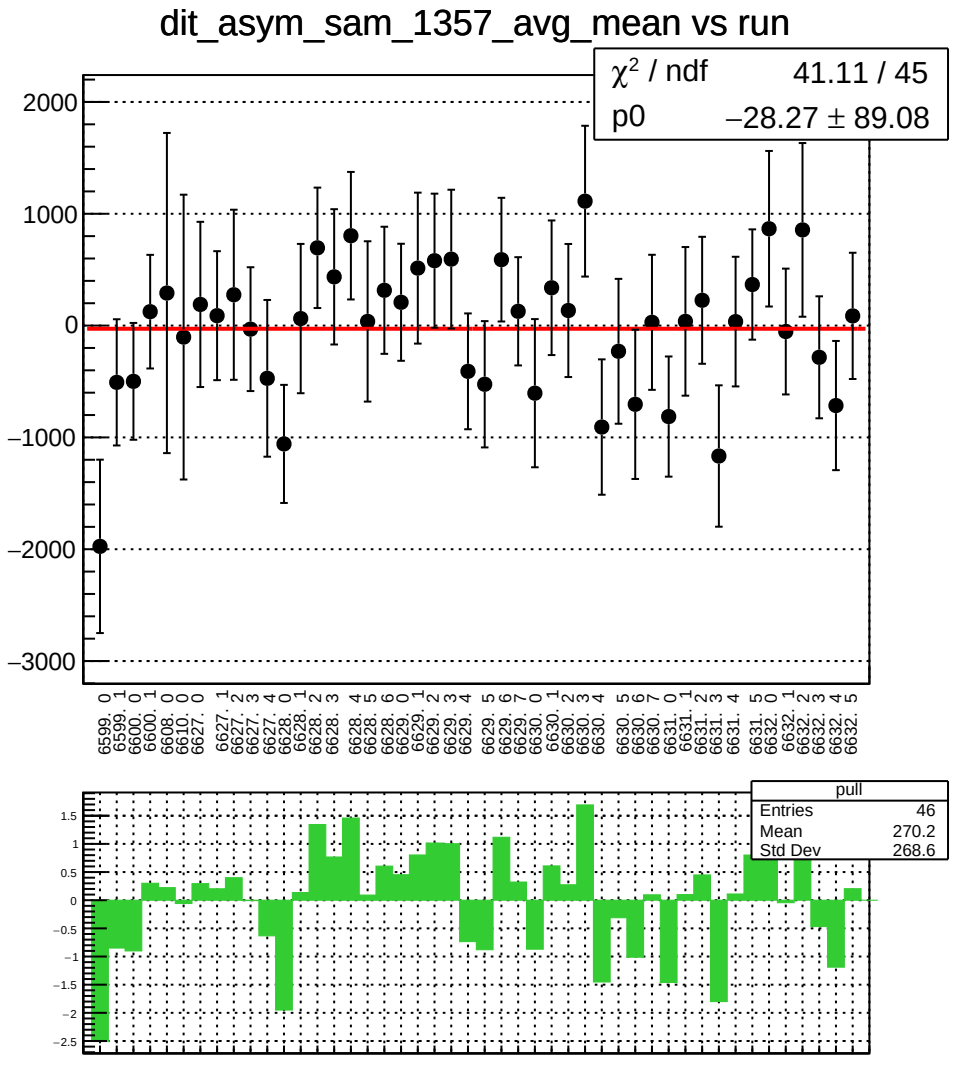

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 3536 / 45
p0 45.09 ± 0.04865
80
75
70
65
60
55
50
45
40
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

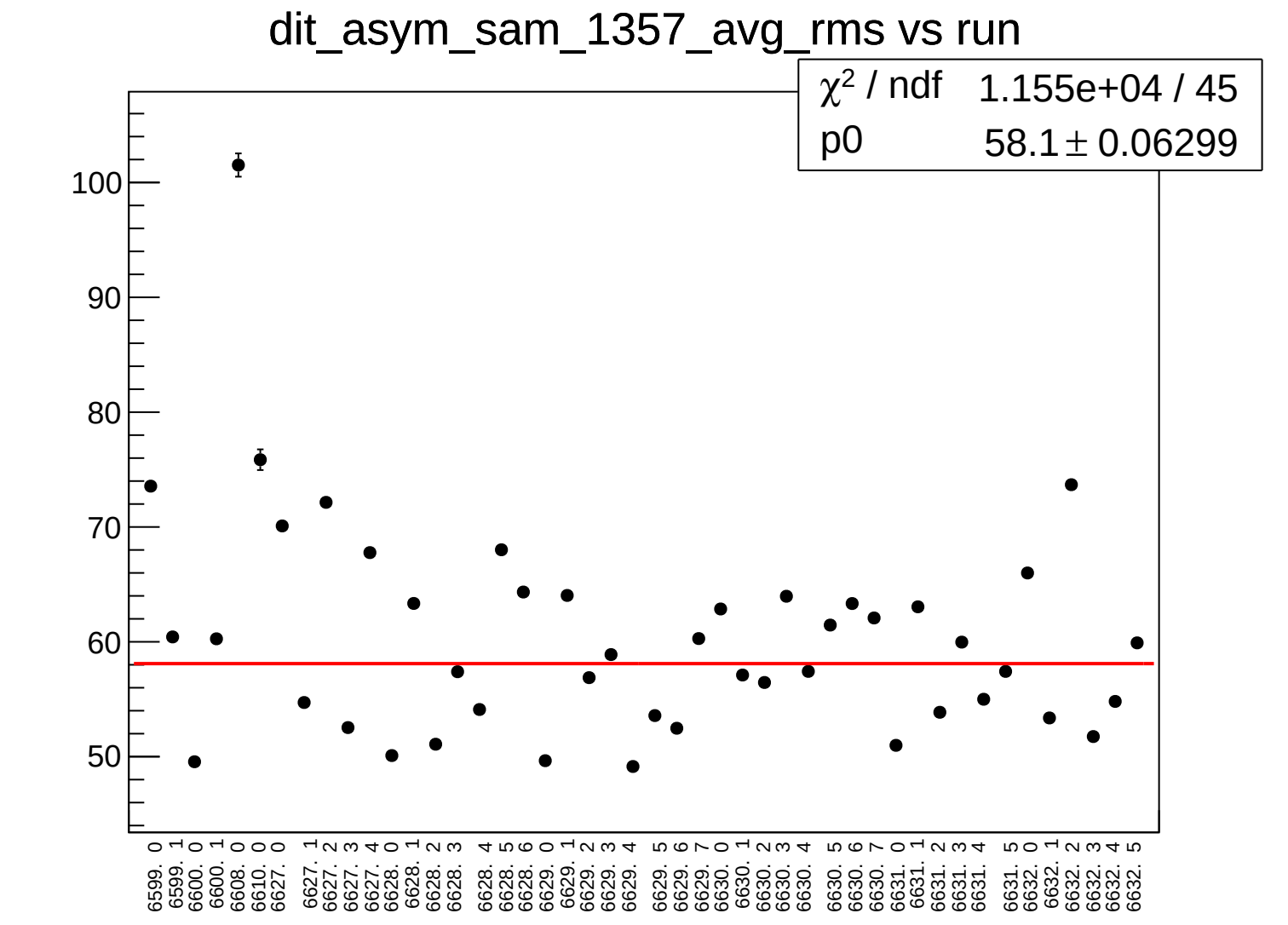

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 55.53 / 45
p0 103.9 ± 233.9
4000
2000
0
−2000
−4000
−6000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −94.73
Std Dev 115.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.02775
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

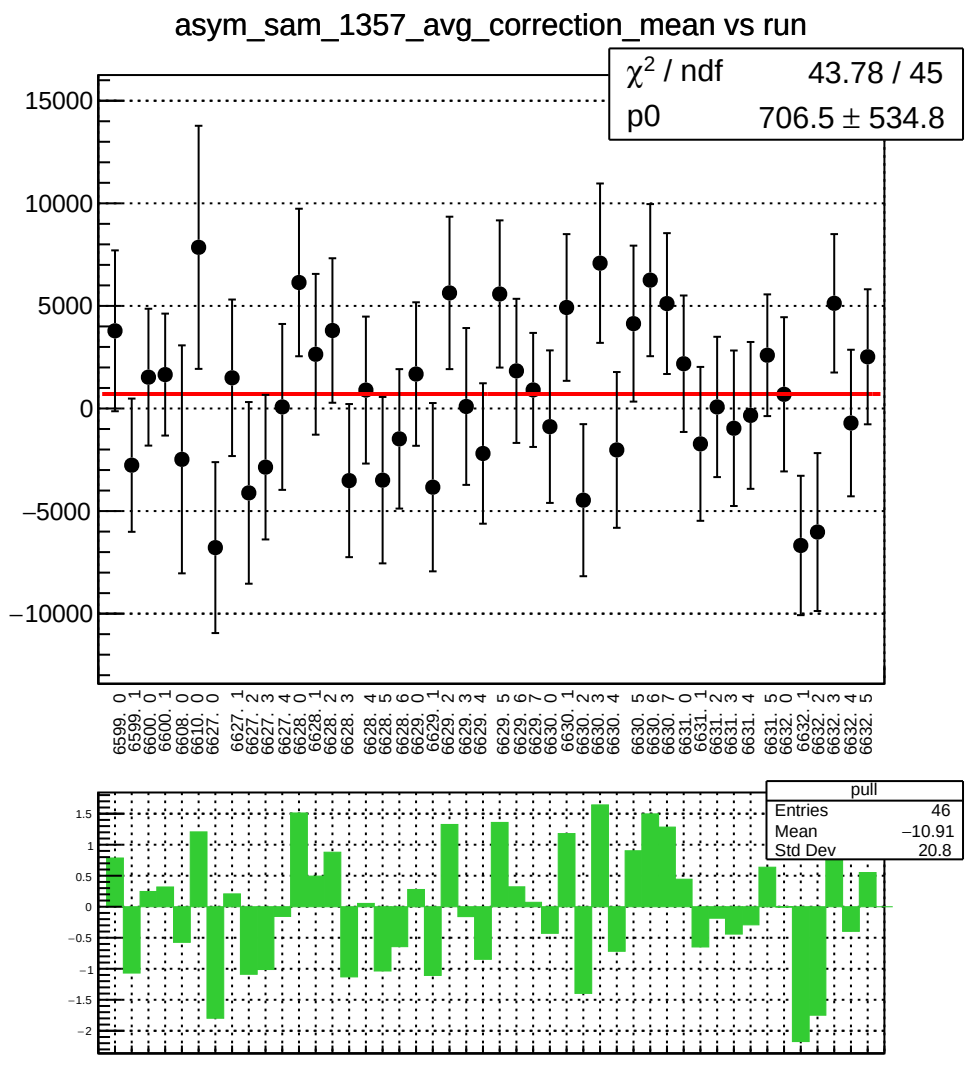

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 2221 / 45
p0 153.4 ± 0.1654
180
170
160
150
140
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

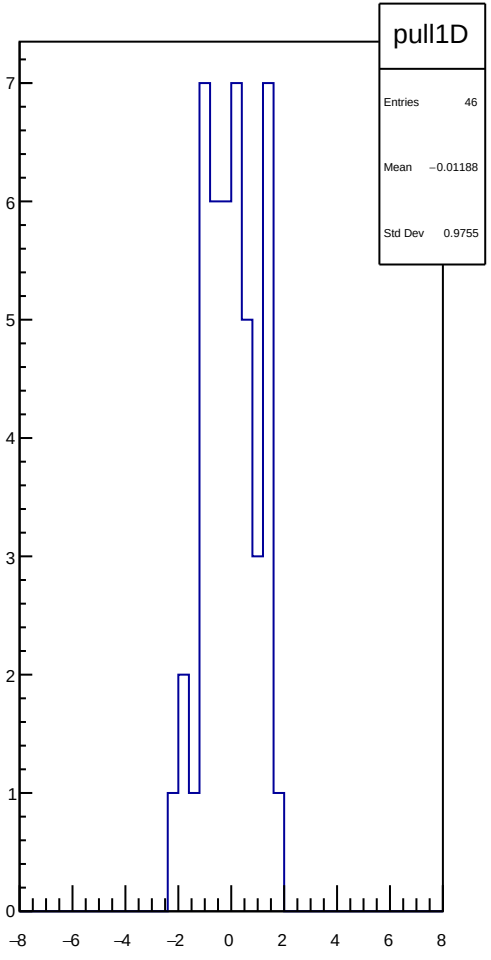

asym_sam_37_26_dd_mean vs run
χ² / ndf 62.29 / 45
p0 −92.69 ± 229.3
6000
4000
2000
0
−2000
−4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −73.13
Std Dev 93.33
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.03396
Std Dev 1.163
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

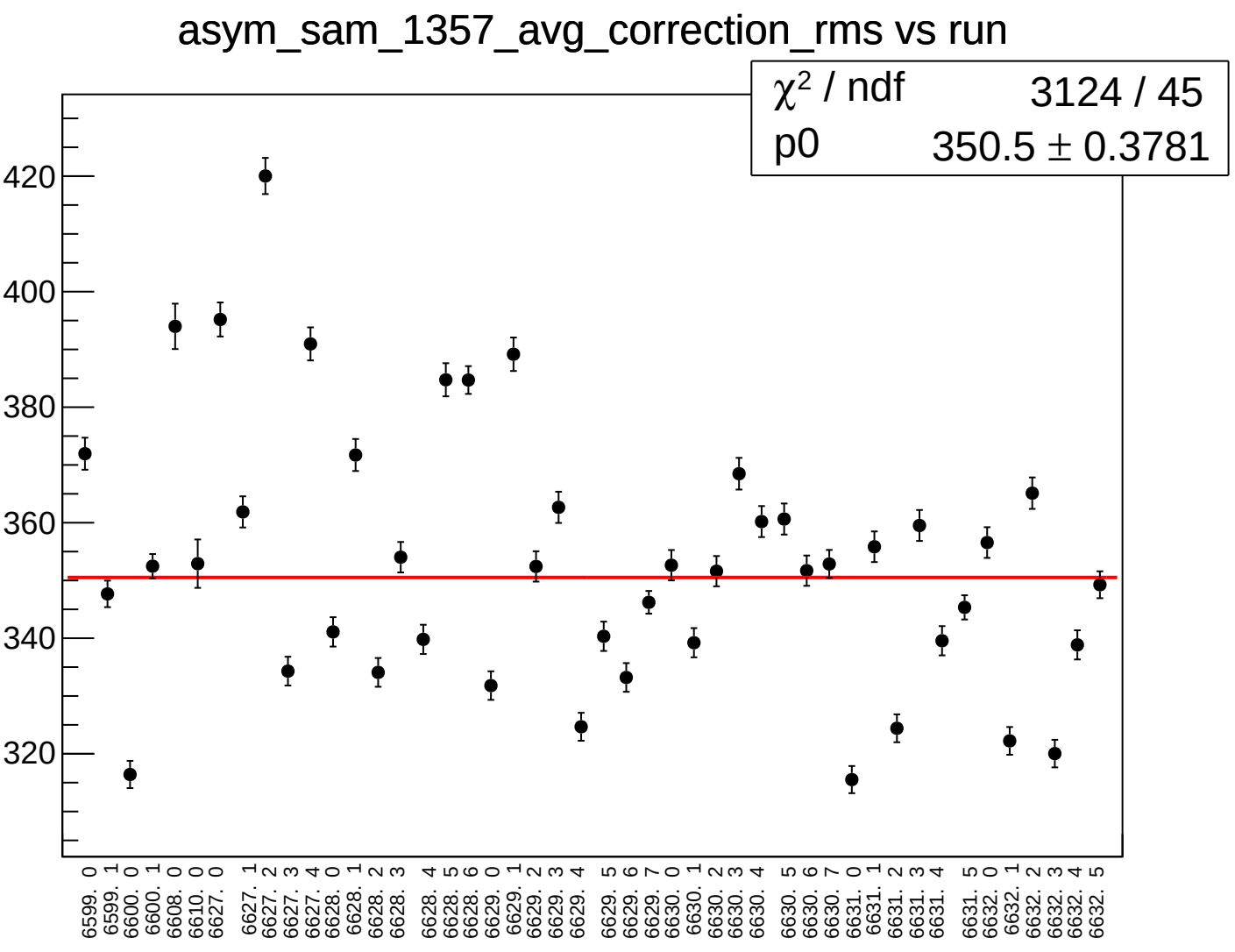

asym_sam_37_26_dd_rms vs run
χ² / ndf 3353 / 45
p0 150.3 ± 0.1621
190
180
170
160
150
140
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

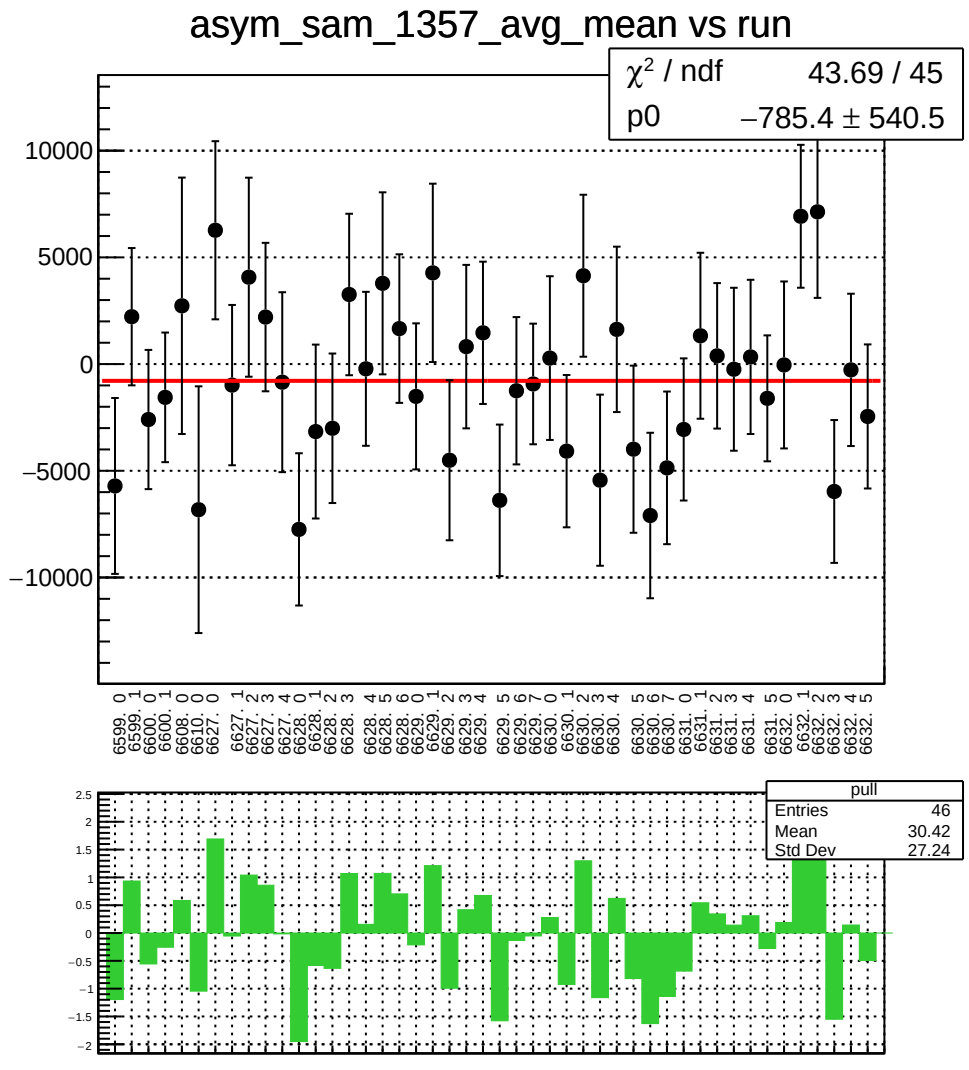

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 41.11 / 45
p0 −28.27 ± 89.08
2000
1000
0
−1000
−2000
−3000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 270.2
Std Dev 268.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean 0.003648
Std Dev 0.9454
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

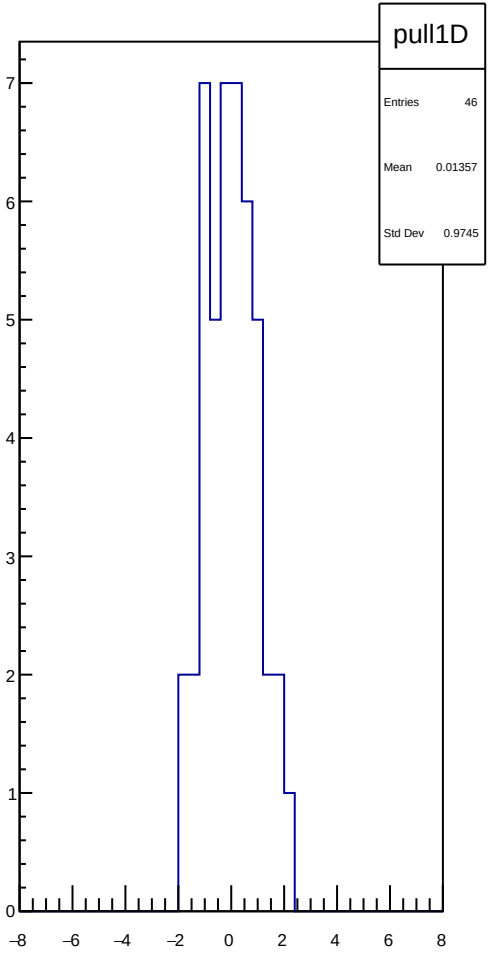

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.155e+04 / 45
p0 58.1 ± 0.06299
100
90
80
70
60
50
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

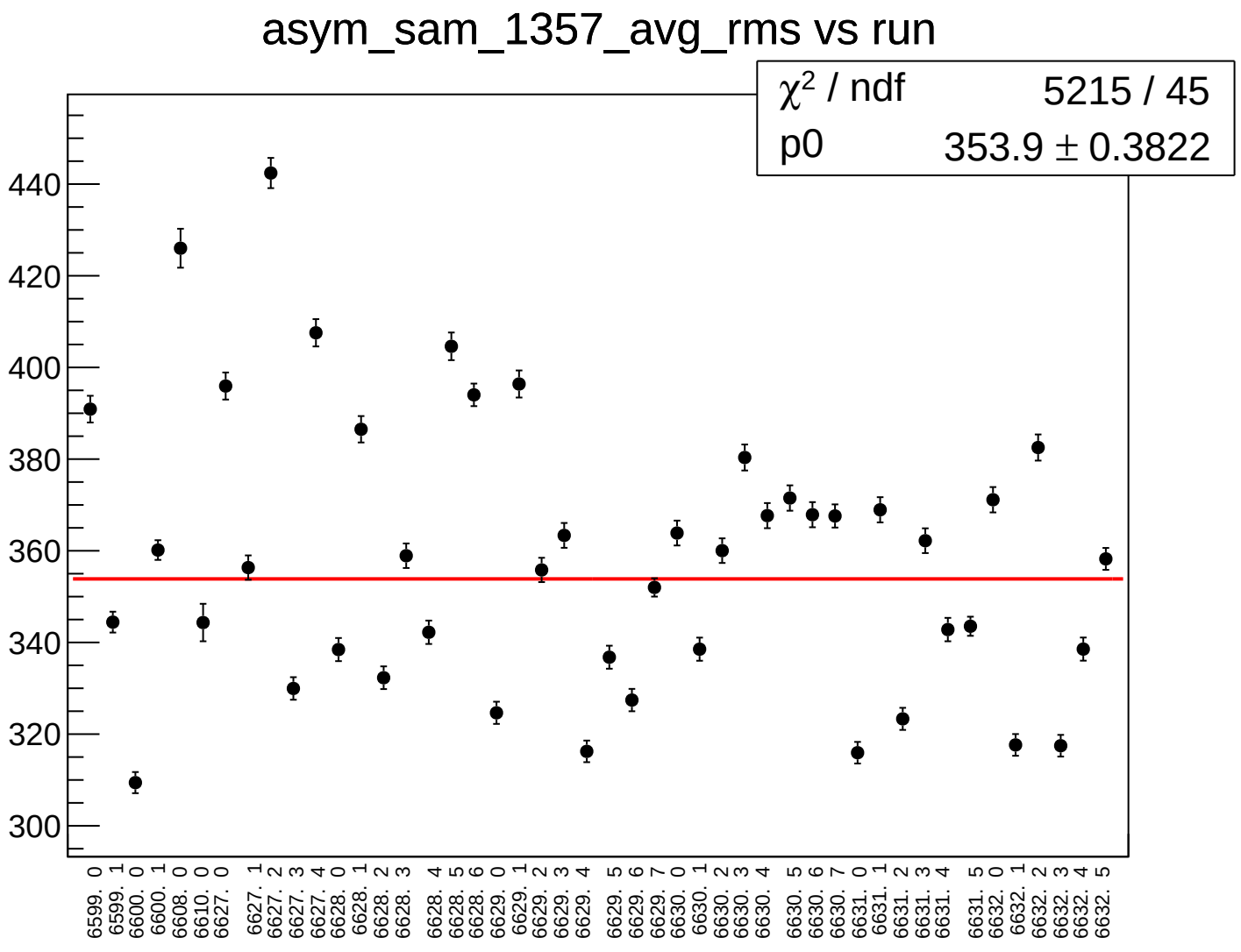

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 43.78 / 45
p0 706.5 ± 534.8
15000
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −10.91
Std Dev 20.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

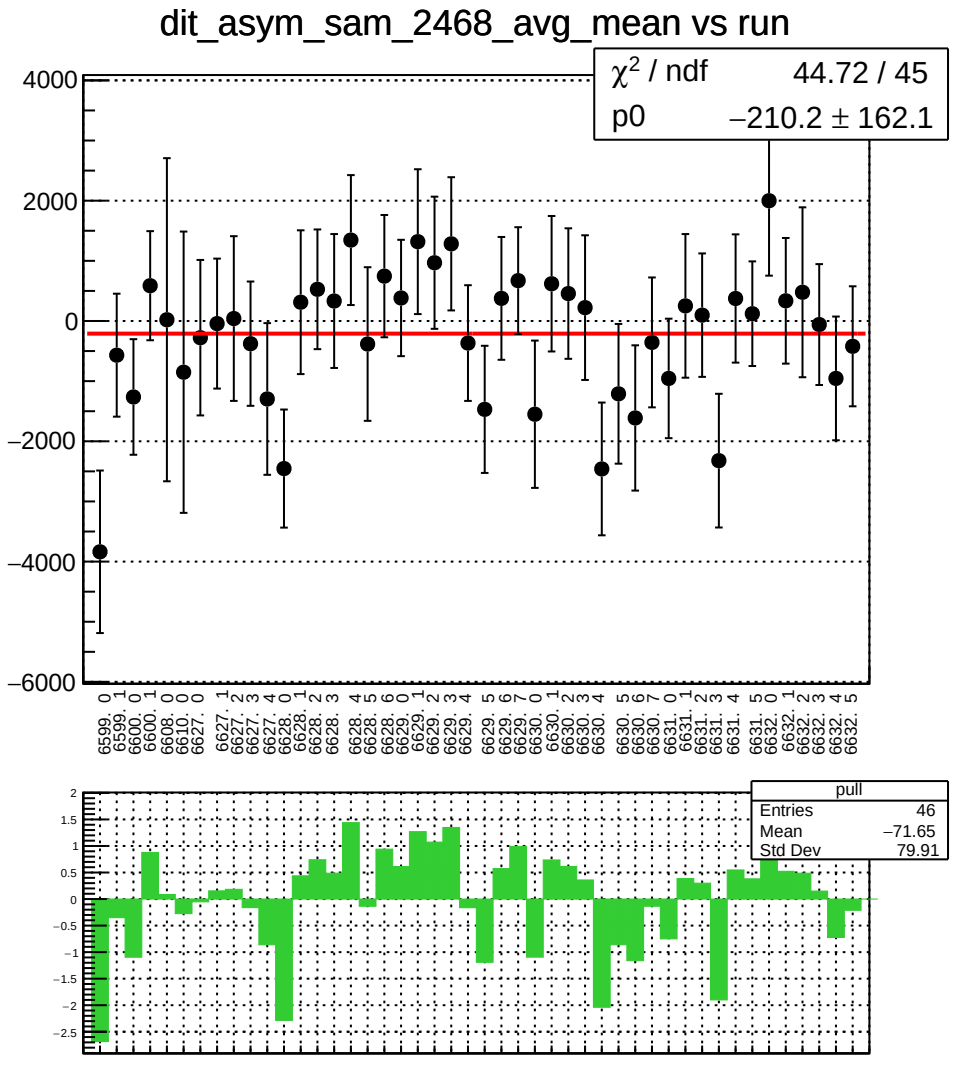

pull1D
Entries 46
Mean −0.01188
Std Dev 0.9755
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

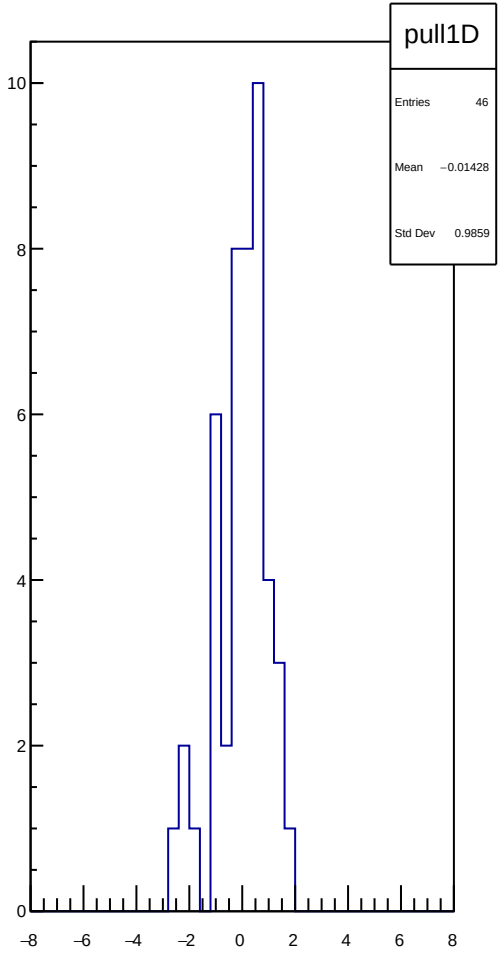

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3124 / 45
p0 350.5 ± 0.3781
420
400
380
360
340
320
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

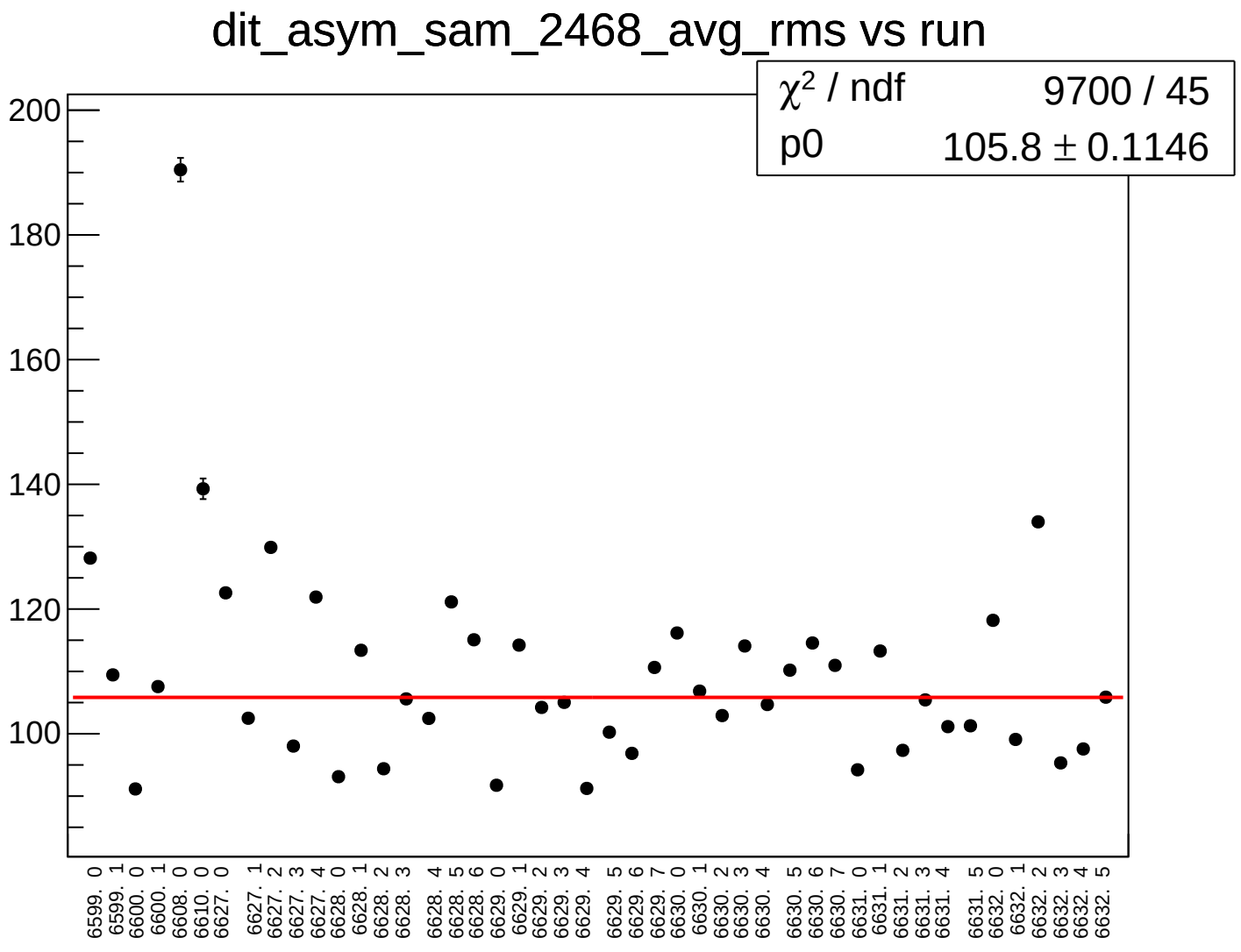

asym_sam_1357_avg_mean vs run
χ² / ndf 43.69 / 45
p0 −785.4 ± 540.5
10000
5000
0
−5000
−10000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 30.42
Std Dev 27.24
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

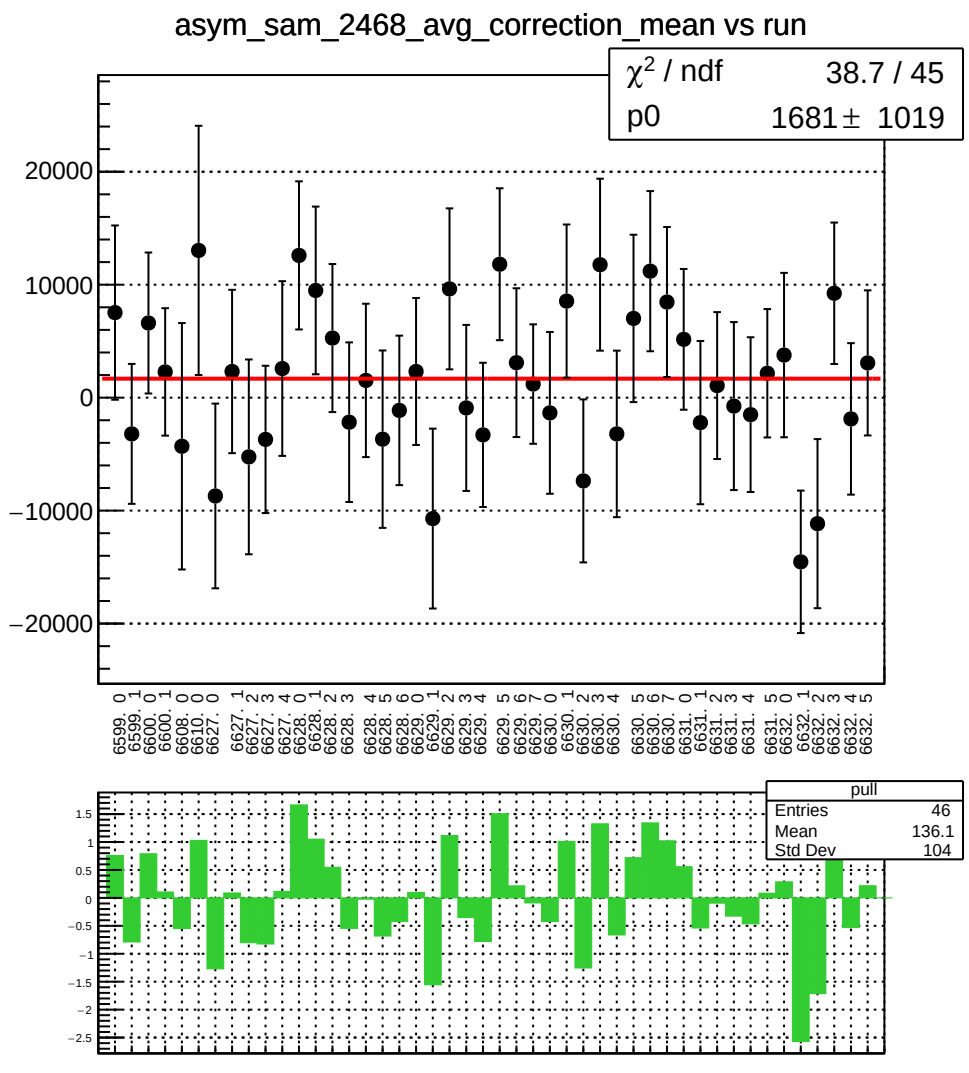

pull1D
Entries 46
Mean 0.01357
Std Dev 0.9745
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

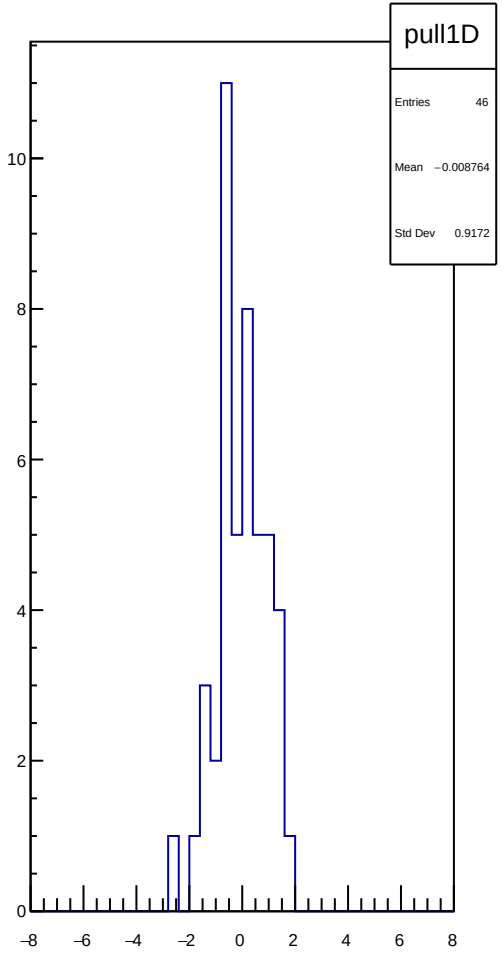

asym_sam_1357_avg_rms vs run
χ² / ndf 5215 / 45
p0 353.9 ± 0.3822
440
420
400
380
360
340
320
300
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

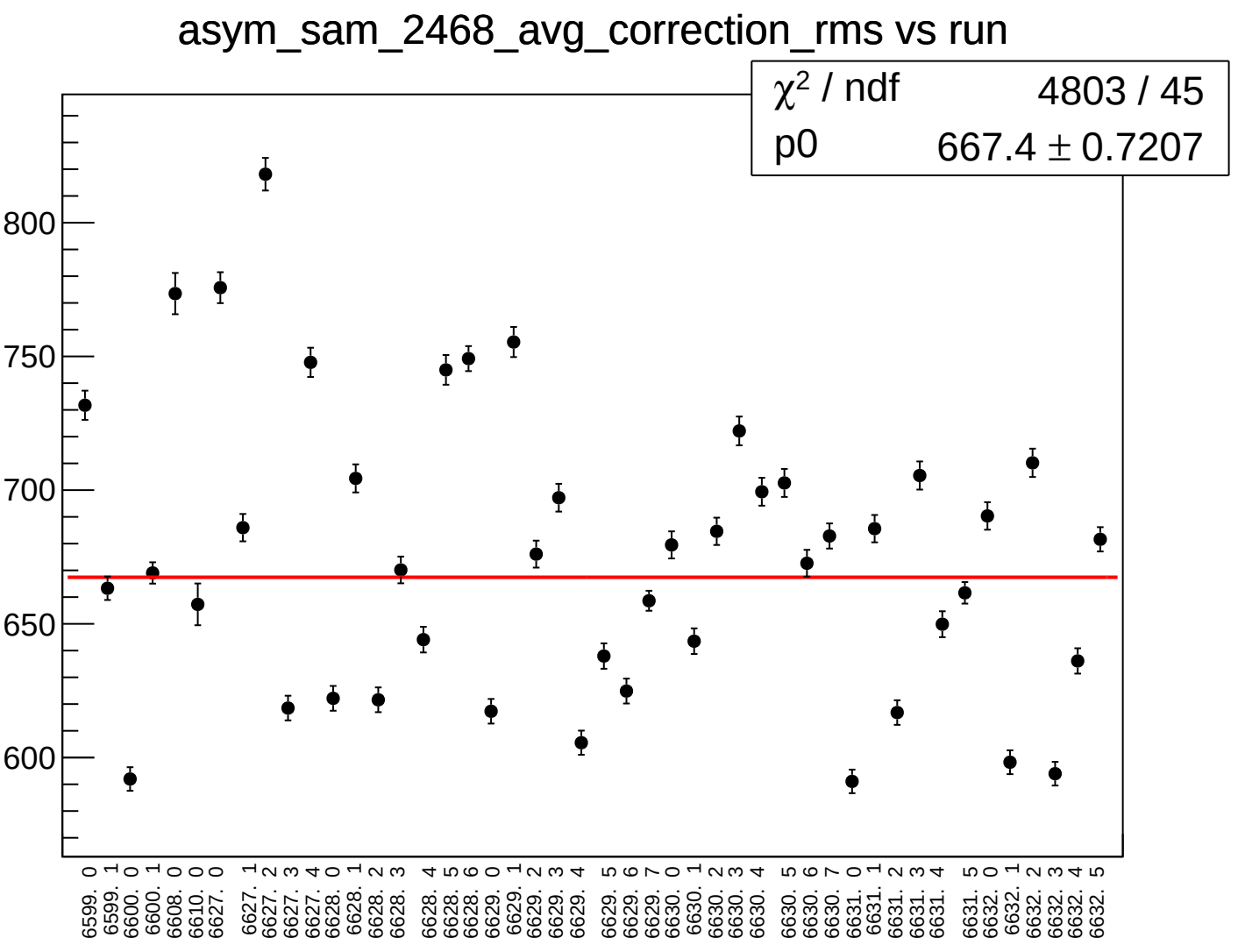

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 44.72 / 45
p0 −210.2 ± 162.1
4000
2000
0
−2000
−4000
−6000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −71.65
Std Dev 79.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

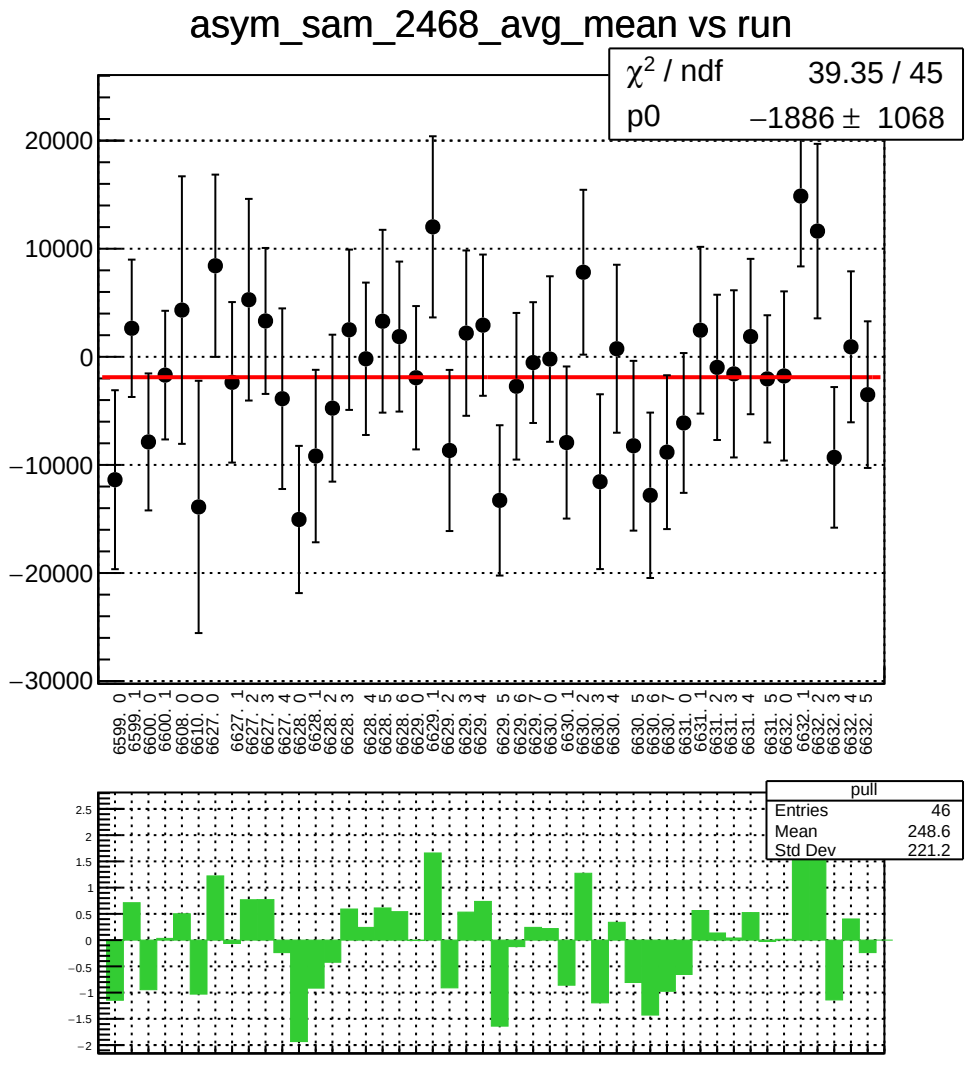

pull1D
Entries 46
Mean −0.01428
Std Dev 0.9859
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

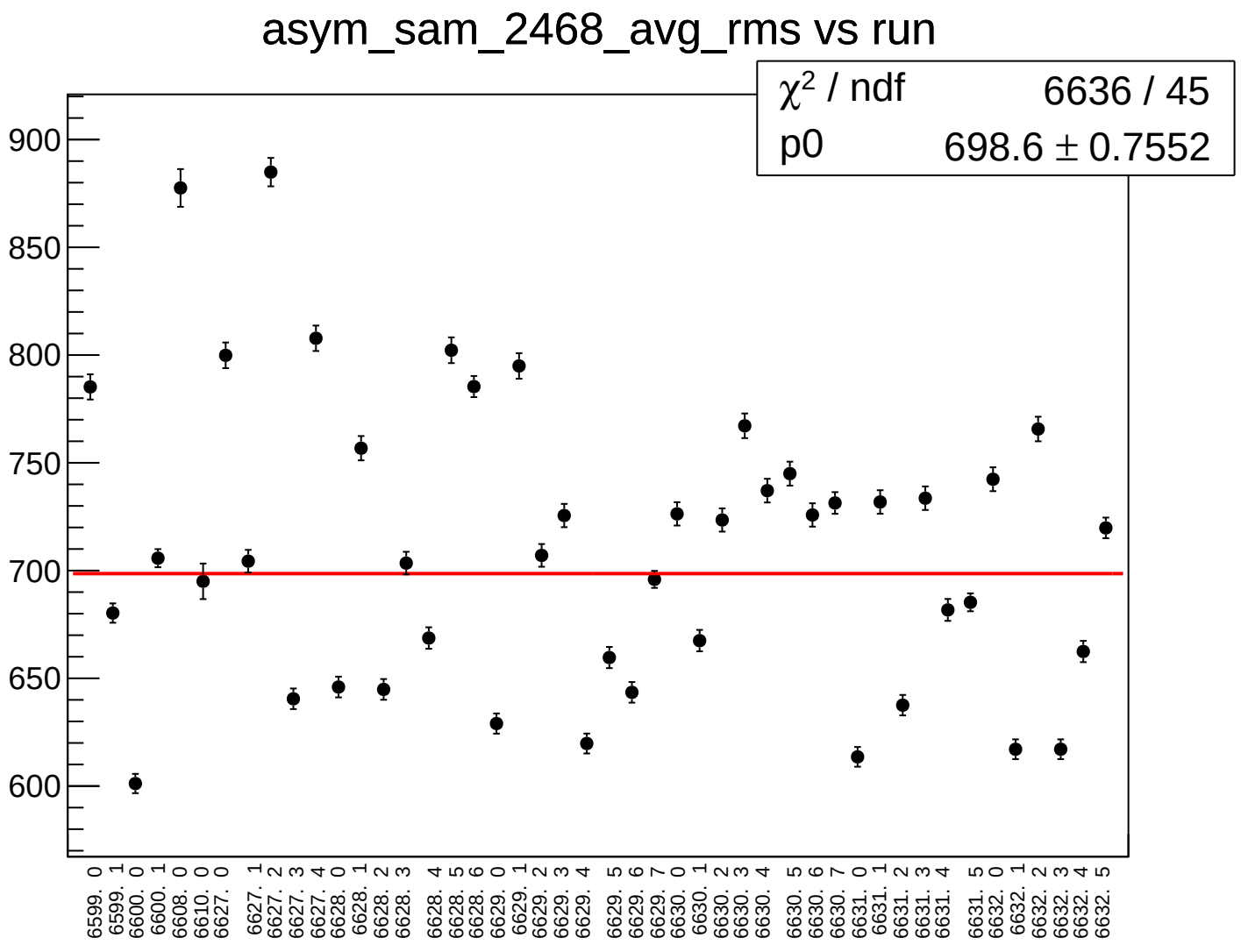

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 9700 / 45
p0 105.8 ± 0.1146
200
180
160
140
120
100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

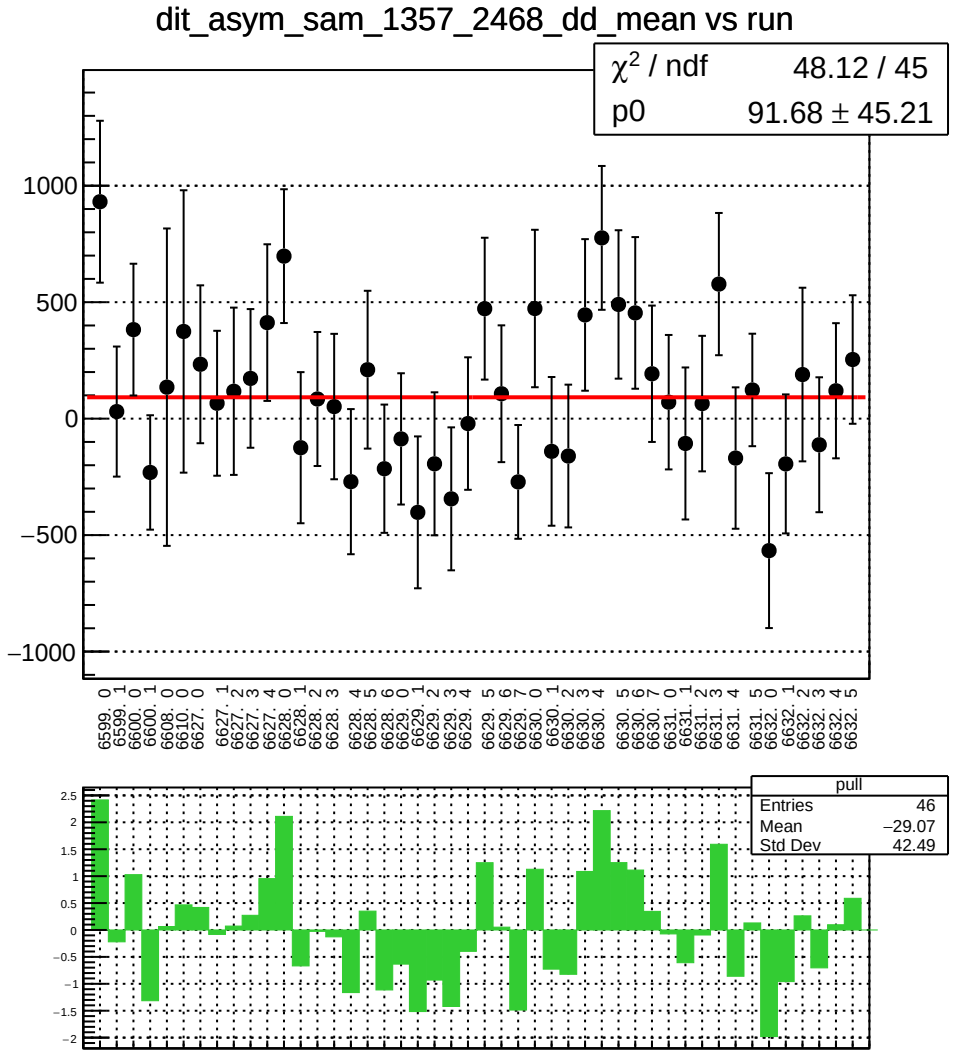

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 38.7 / 45
p0 1681 ± 1019
20000
10000
0
−10000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 136.1
Std Dev 104
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

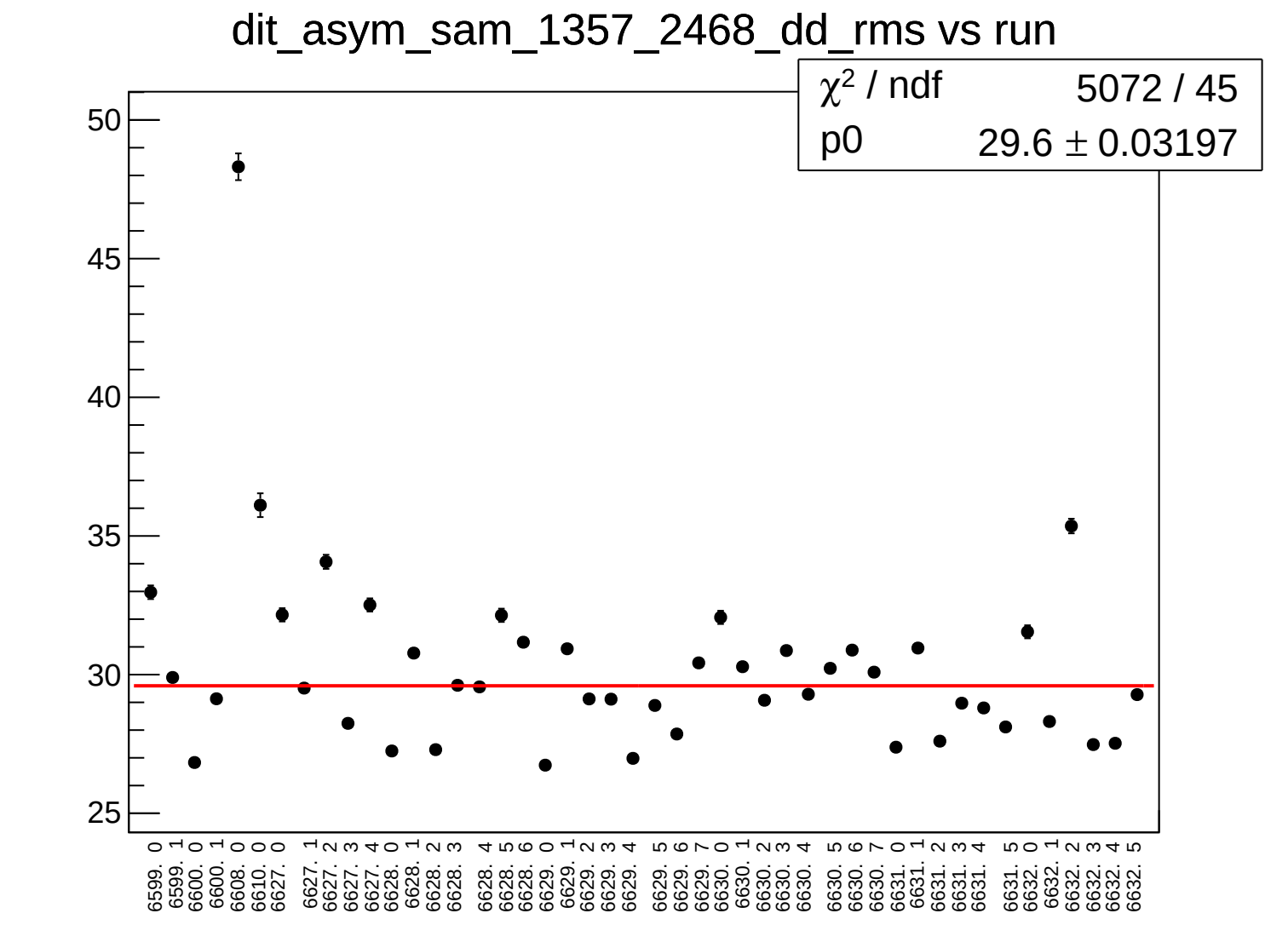

pull1D
Entries 46
Mean −0.008764
Std Dev 0.9172
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

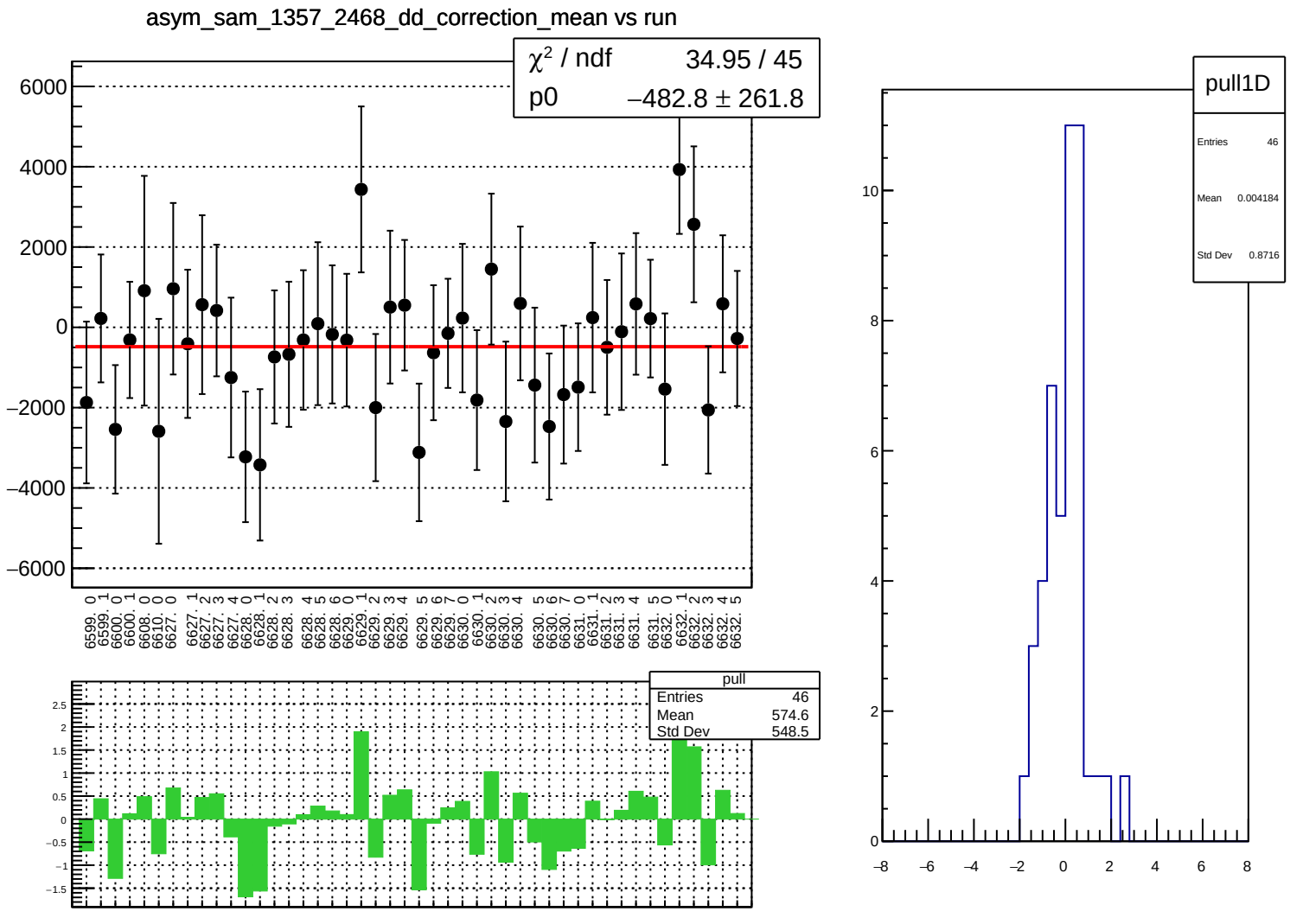

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 4803 / 45
p0 667.4 ± 0.7207
800
750
700
650
600
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

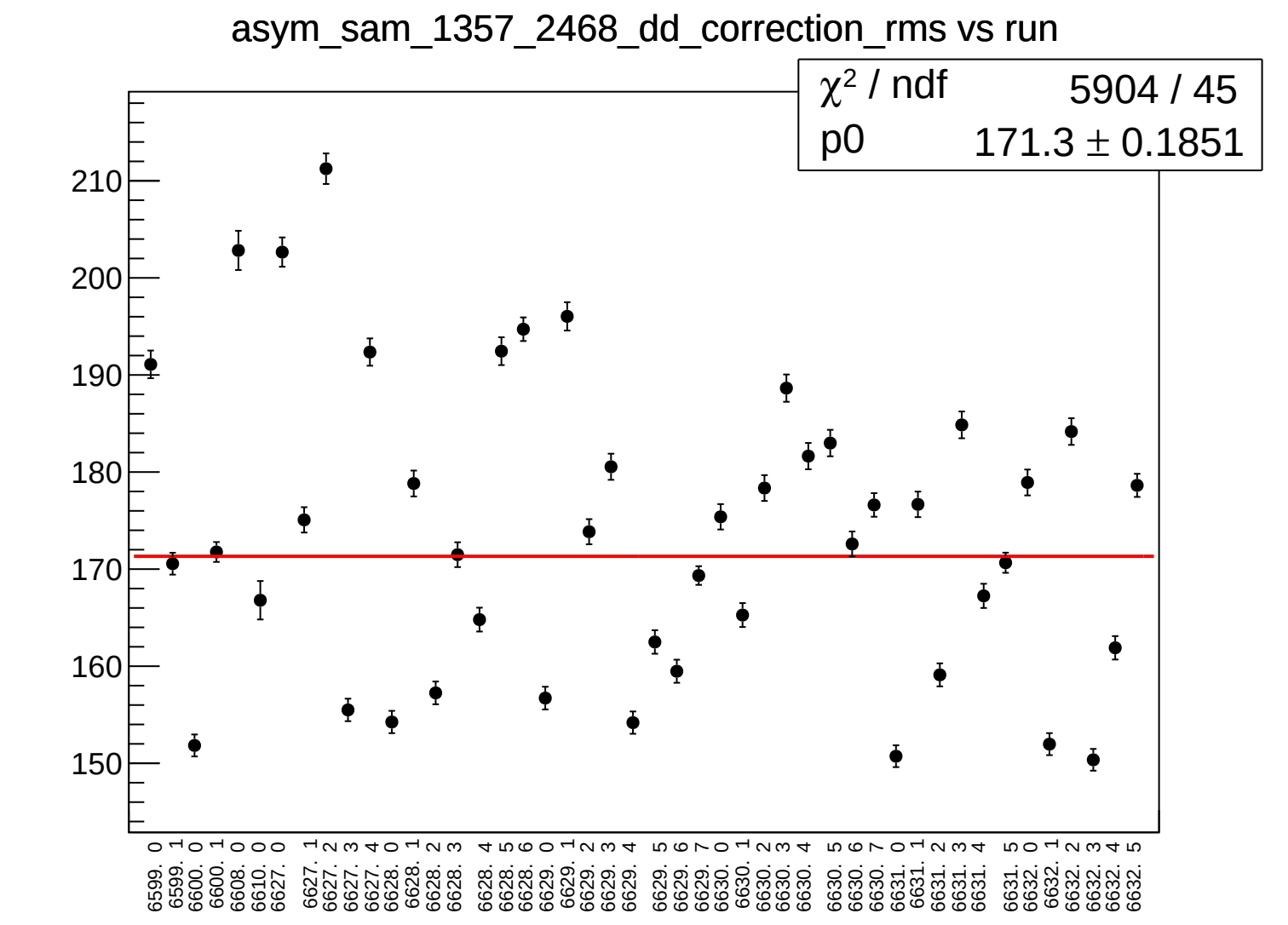

asym_sam_2468_avg_mean vs run
χ² / ndf 39.35 / 45
p0 −1886 ± 1068
20000
10000
0
−10000
−20000
−30000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 248.6
Std Dev 221.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.005323
Std Dev 0.9249
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

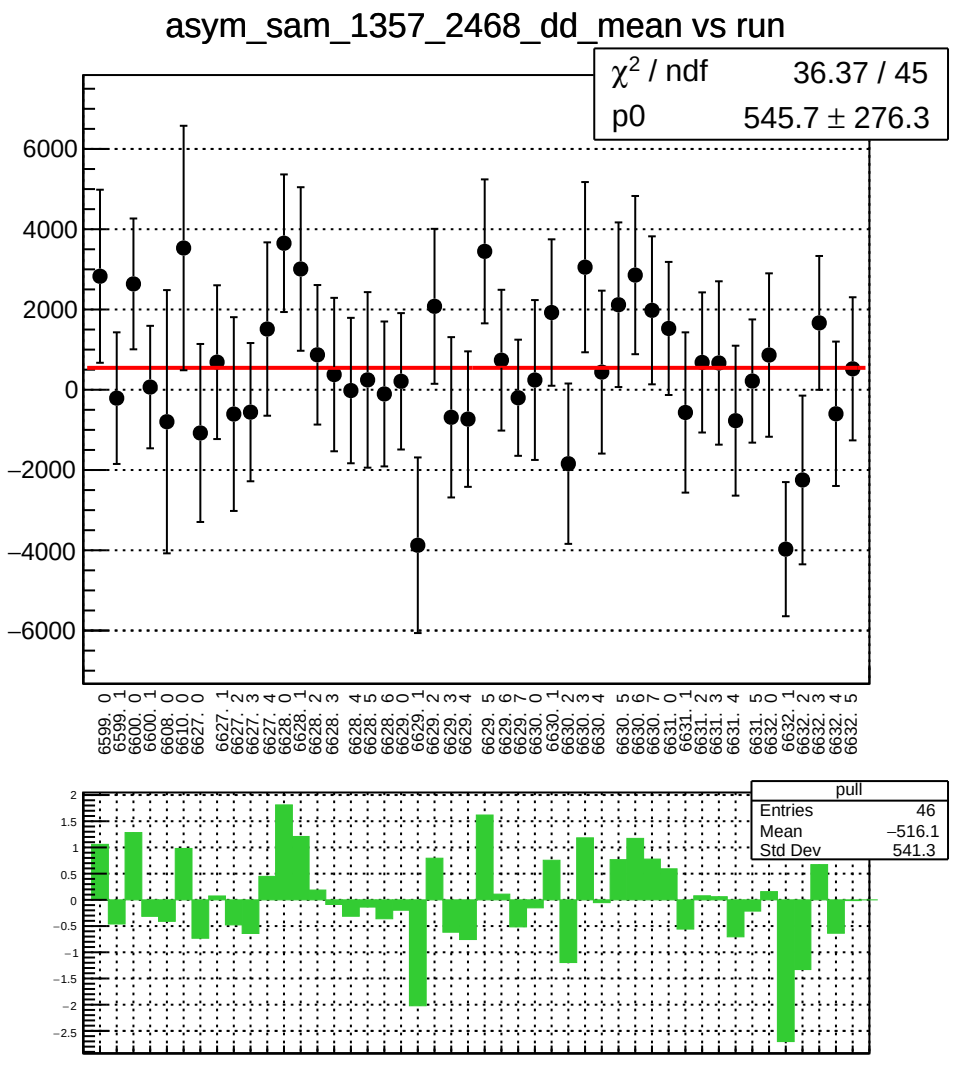

asym_sam_2468_avg_rms vs run
χ^2 / ndf 6636 / 45
p0 698.6 ± 0.7552
900
850
800
750
700
650
600
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

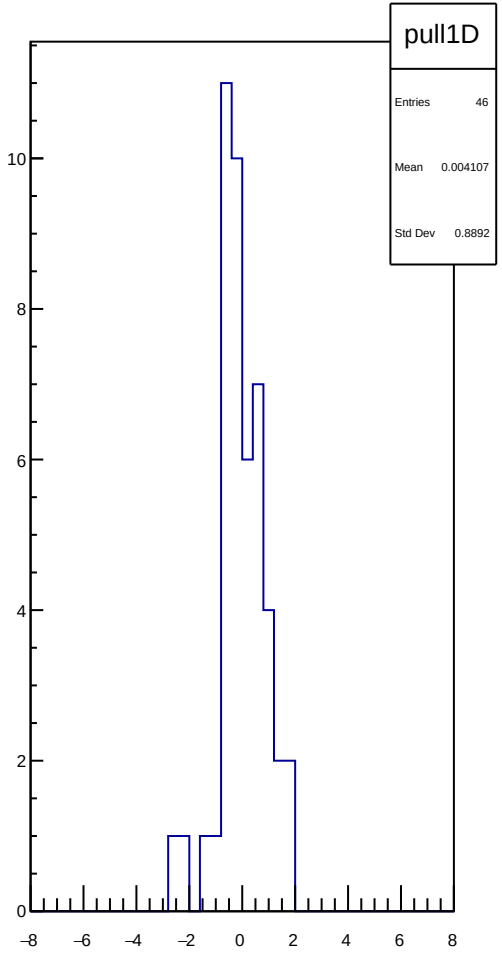

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 48.12 / 45
p0 91.68 ± 45.21
1000
500
0
−500
−1000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −29.07
Std Dev 42.49
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.02912
Std Dev 1.022
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

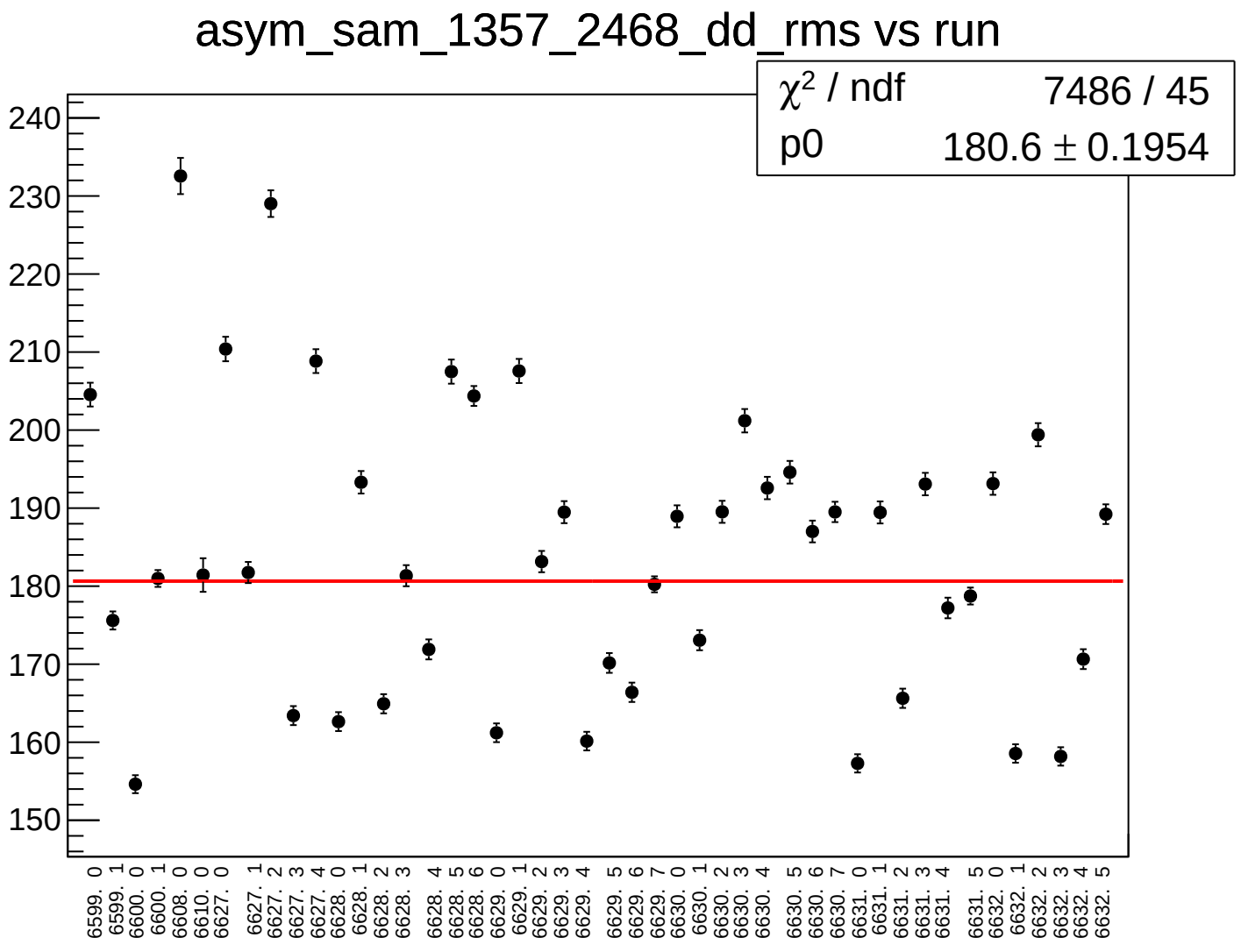

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5072 / 45
p0 29.6 ± 0.03197
50
45
40
35
30
25
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

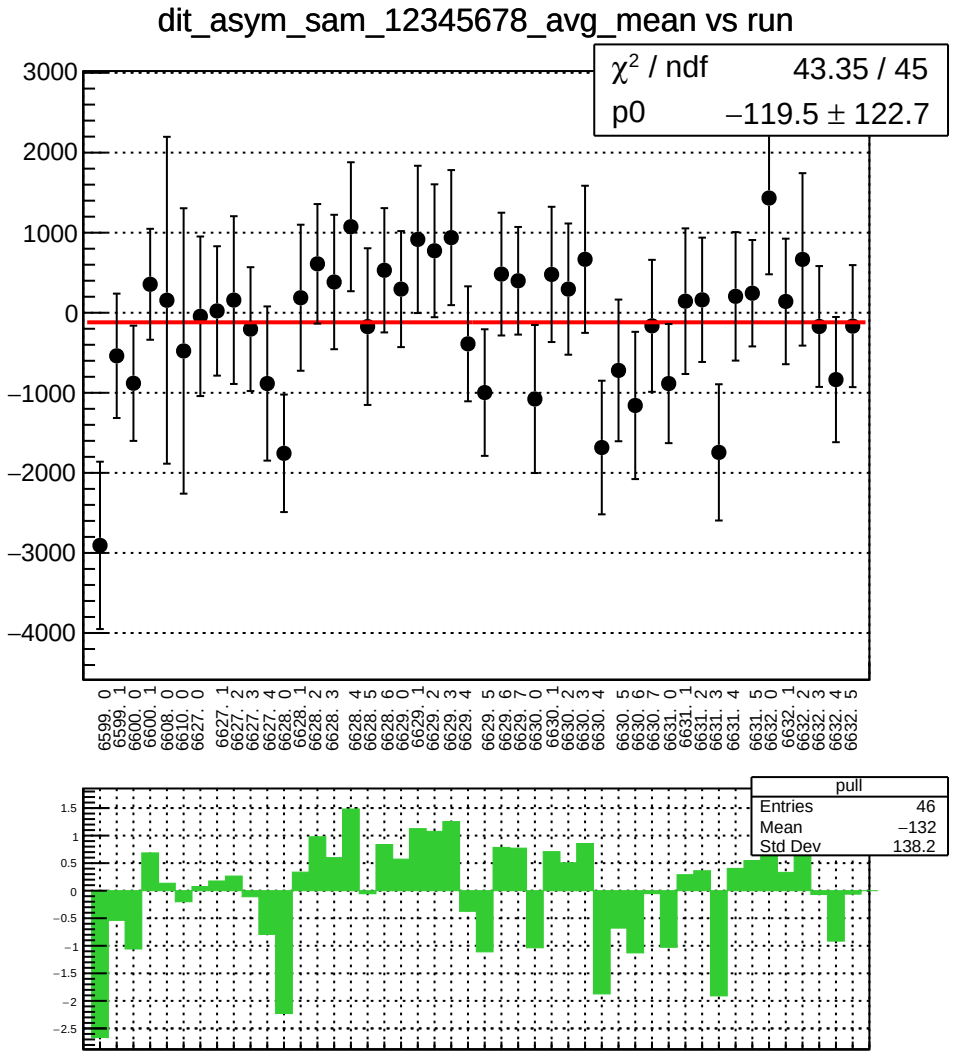

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 34.95 / 45
p0 −482.8 ± 261.8
6000
4000
2000
0
−2000
−4000
−6000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 574.6
Std Dev 548.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.004184
Std Dev 0.8716
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

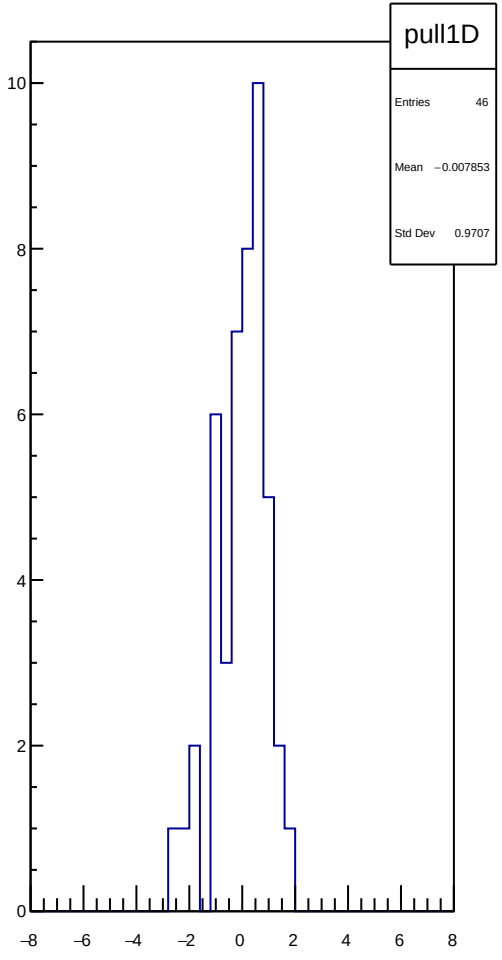

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 5904 / 45
p0 171.3 ± 0.1851
210
200
190
180
170
160
150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

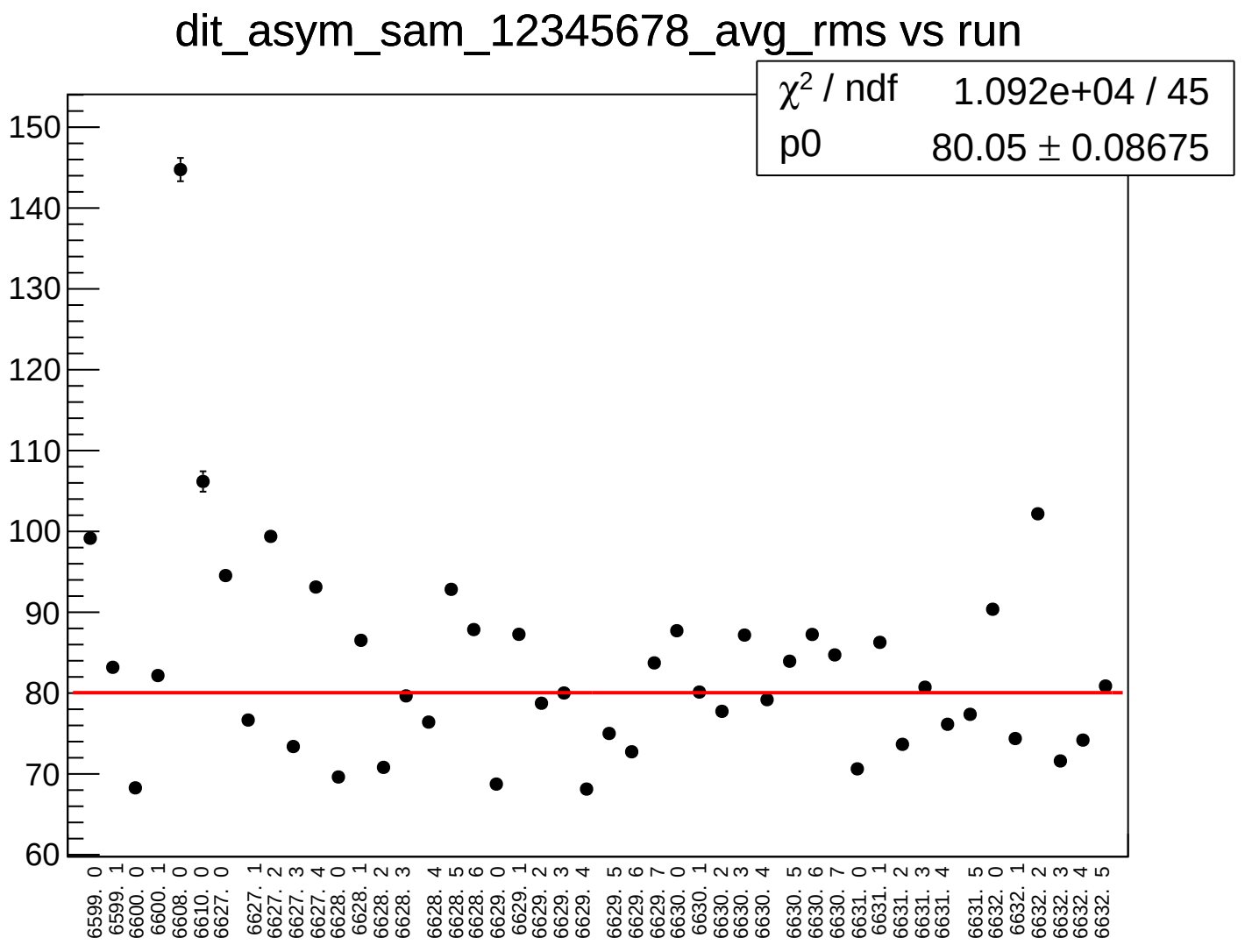

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 36.37 / 45
p0 545.7 ± 276.3
6000
4000
2000
0
−2000
−4000
−6000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −516.1
Std Dev 541.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

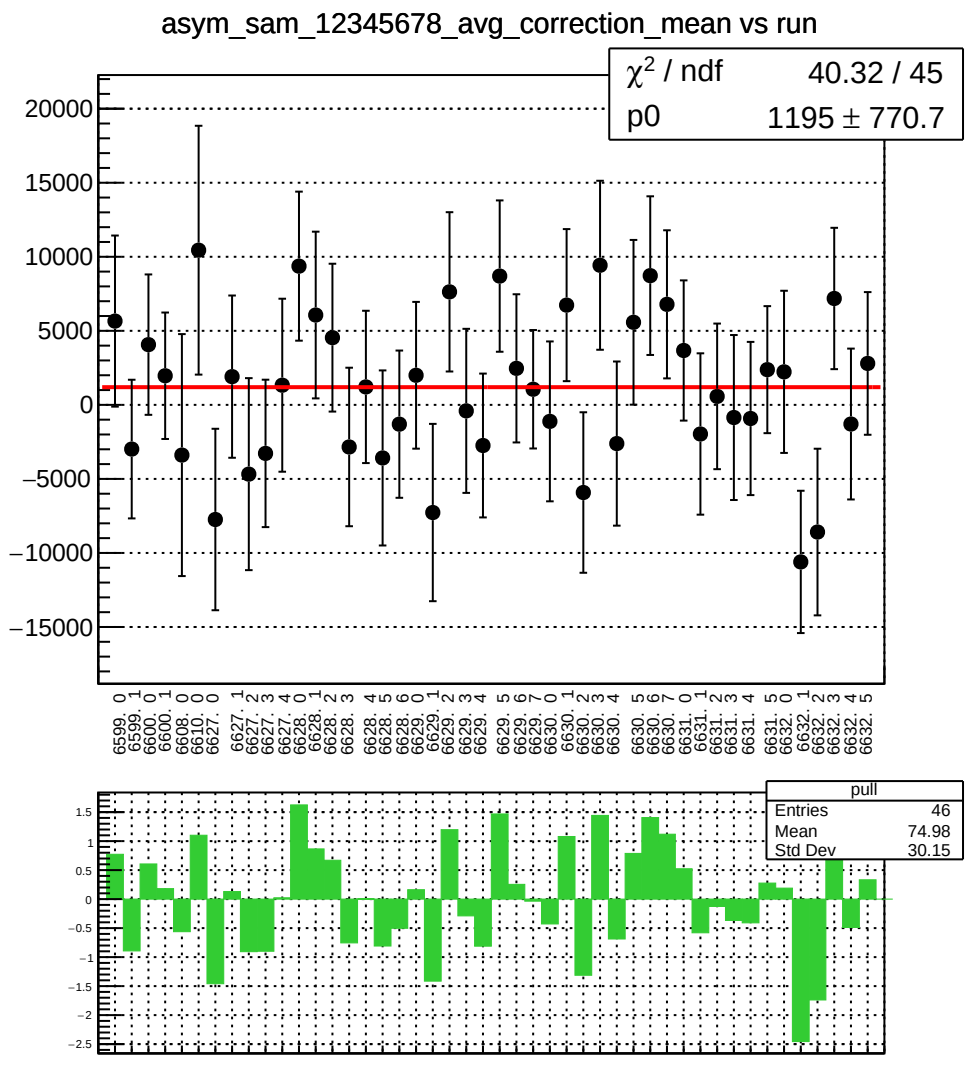

pull1D
Entries 46
Mean 0.004107
Std Dev 0.8892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

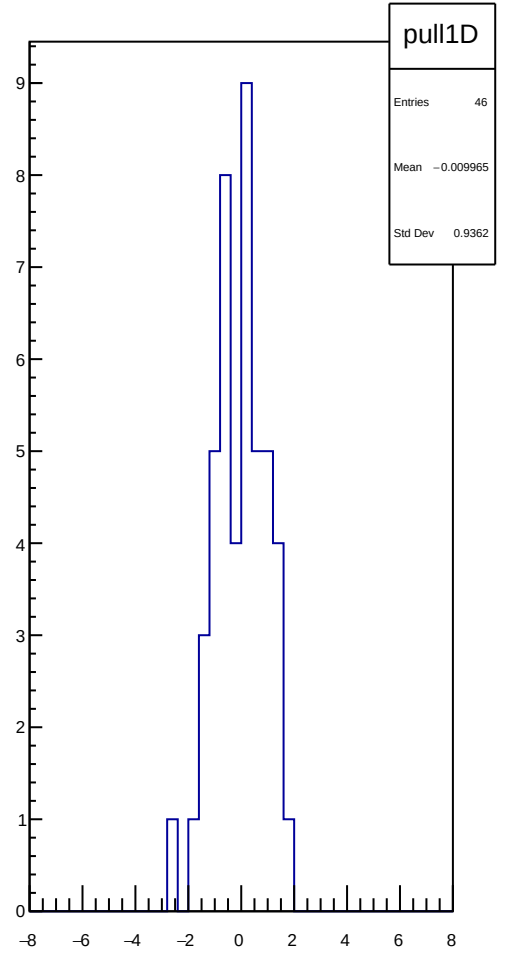

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7486 / 45
p0 180.6 ± 0.1954
240
230
220
210
200
190
180
170
160
150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

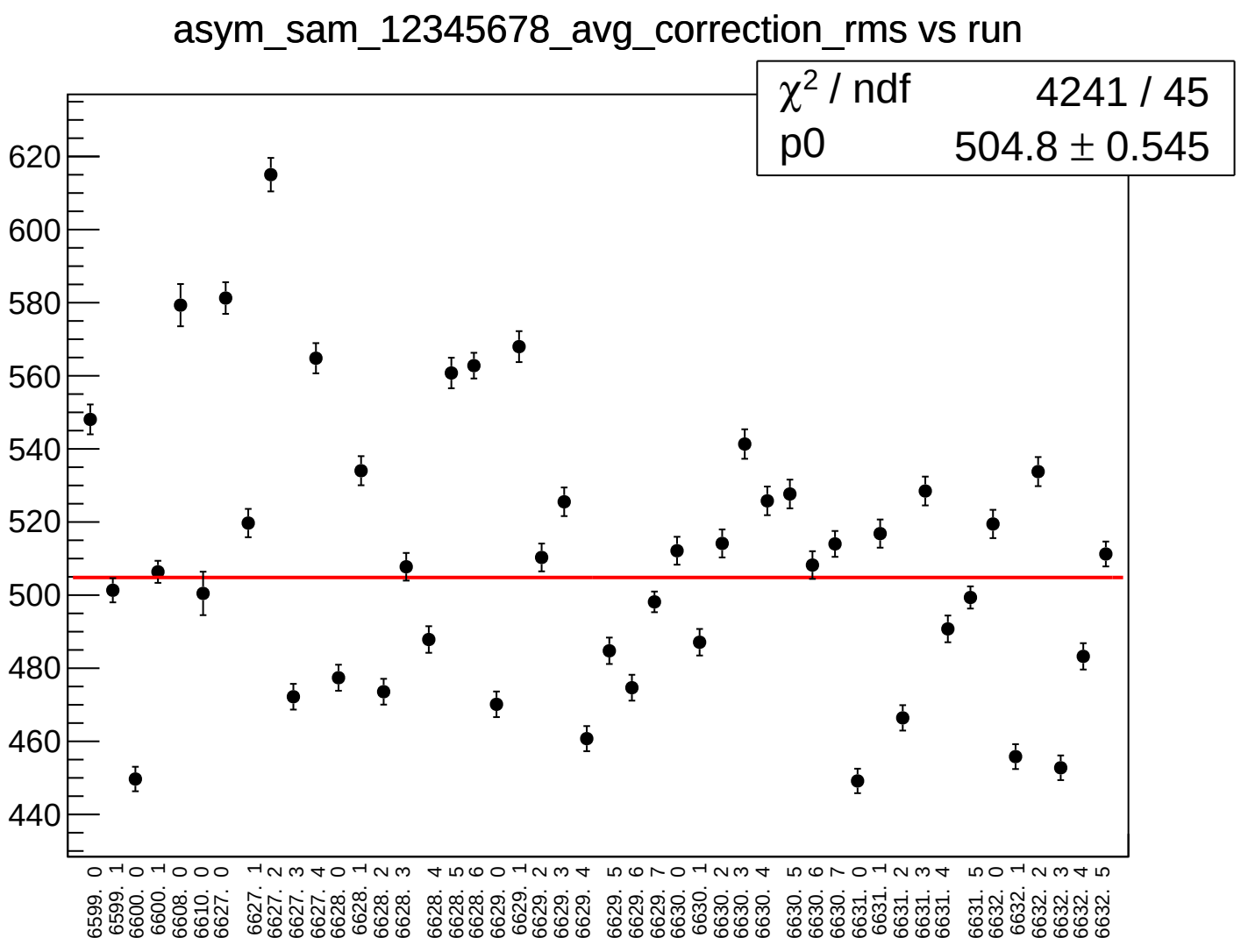

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 43.35 / 45
p0 −119.5 ± 122.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −132
Std Dev 138.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

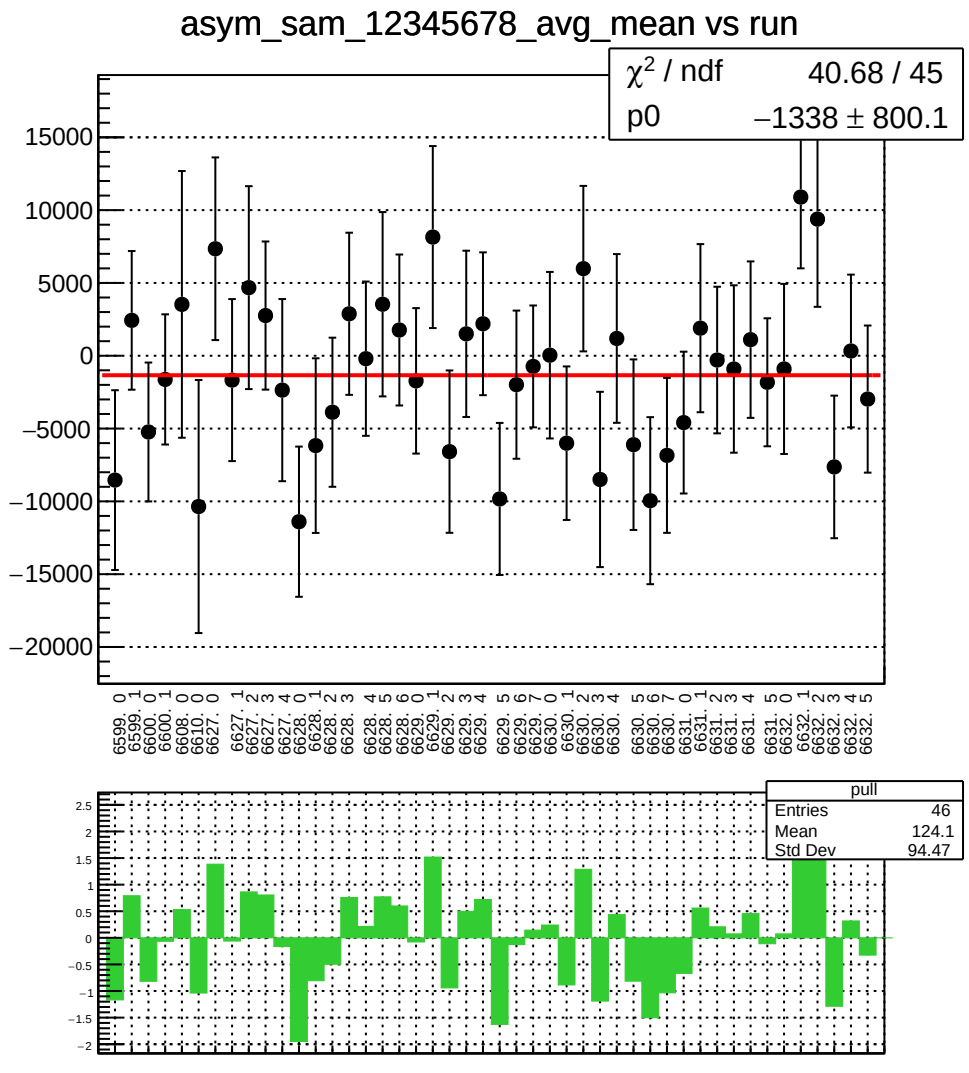

pull1D
Entries 46
Mean −0.007853
Std Dev 0.9707
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

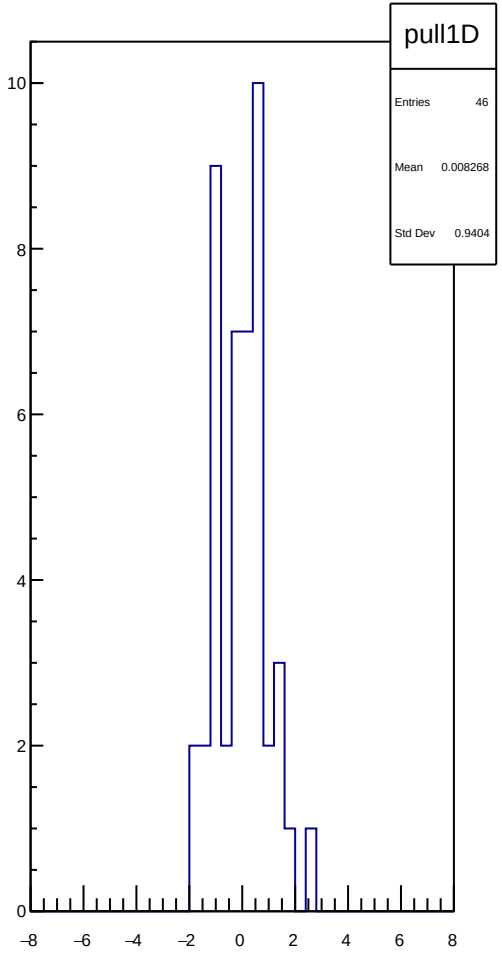

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.092e+04 / 45
p0 80.05 ± 0.08675
150
140
130
120
110
100
90
80
70
60
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

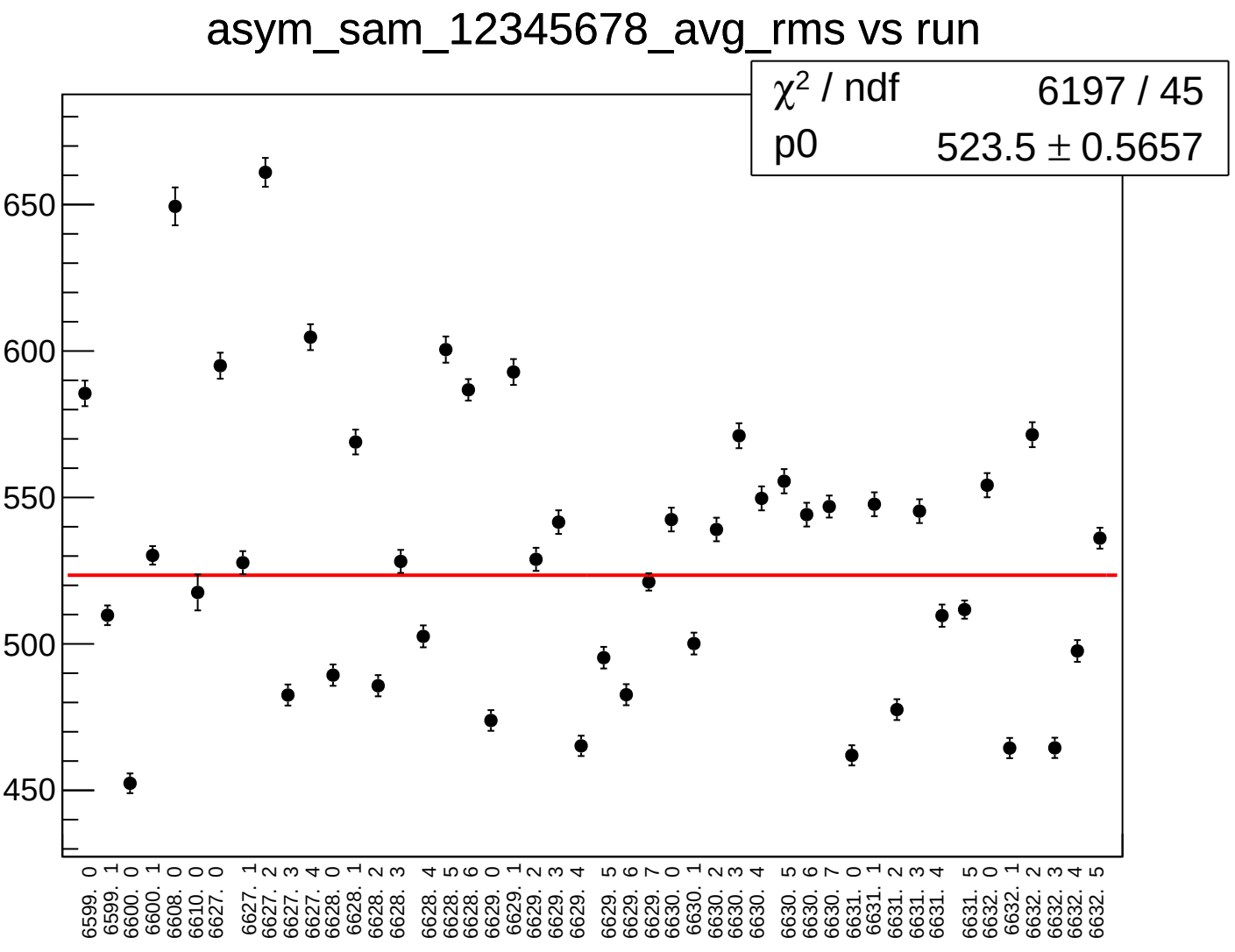

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 40.32 / 45
p0 1195 ± 770.7
pull
Entries 46
Mean 74.98
Std Dev 30.15

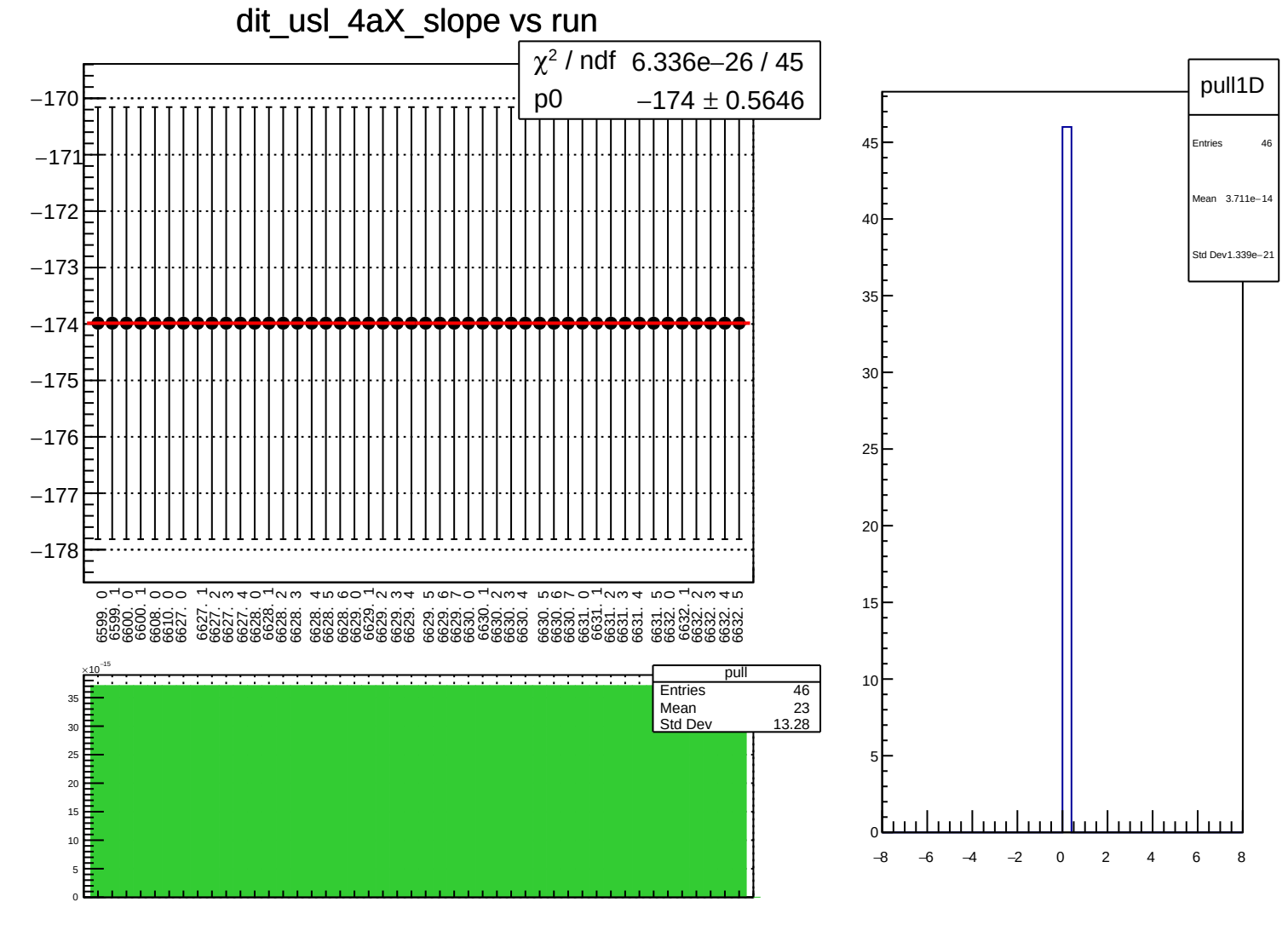

pull1D
Entries 46
Mean −0.009965
Std Dev 0.9362

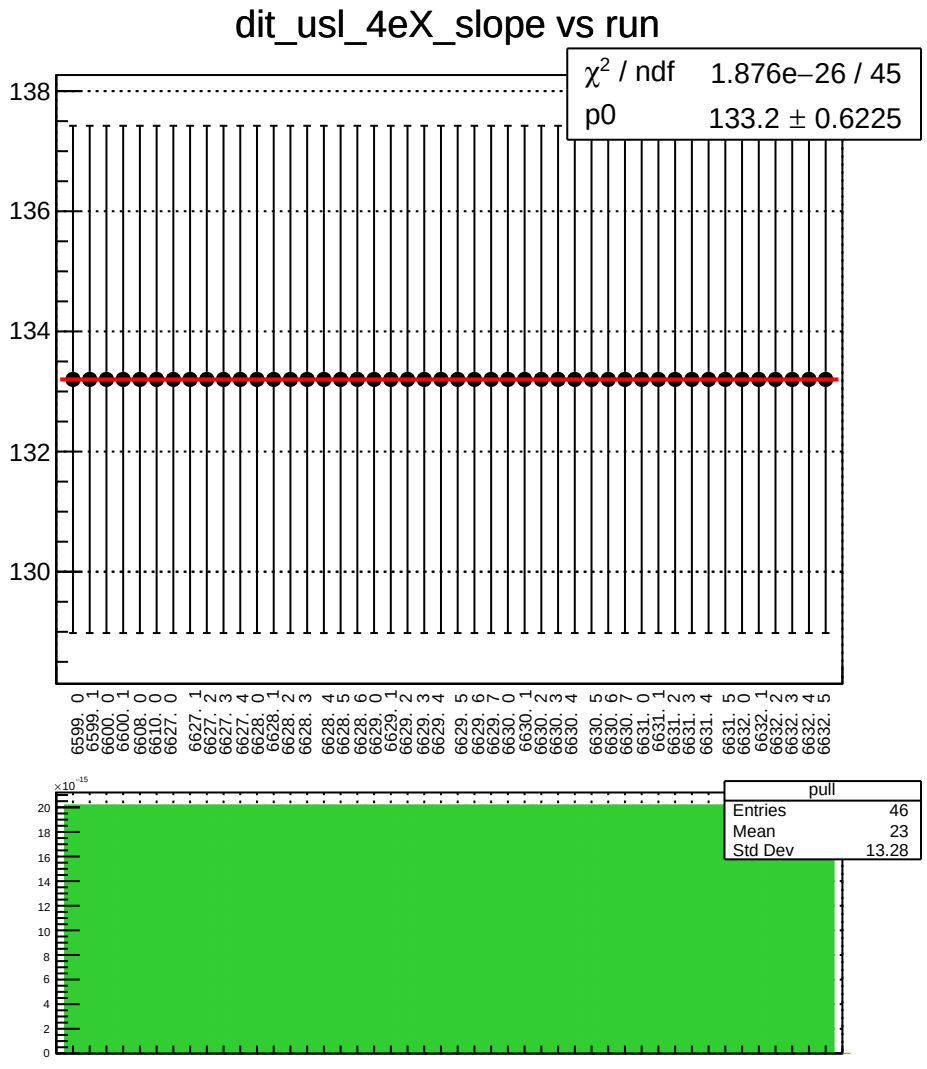

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 4241 / 45
p0 504.8 ± 0.545
620
600
580
560
540
520
500
480
460
440
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5

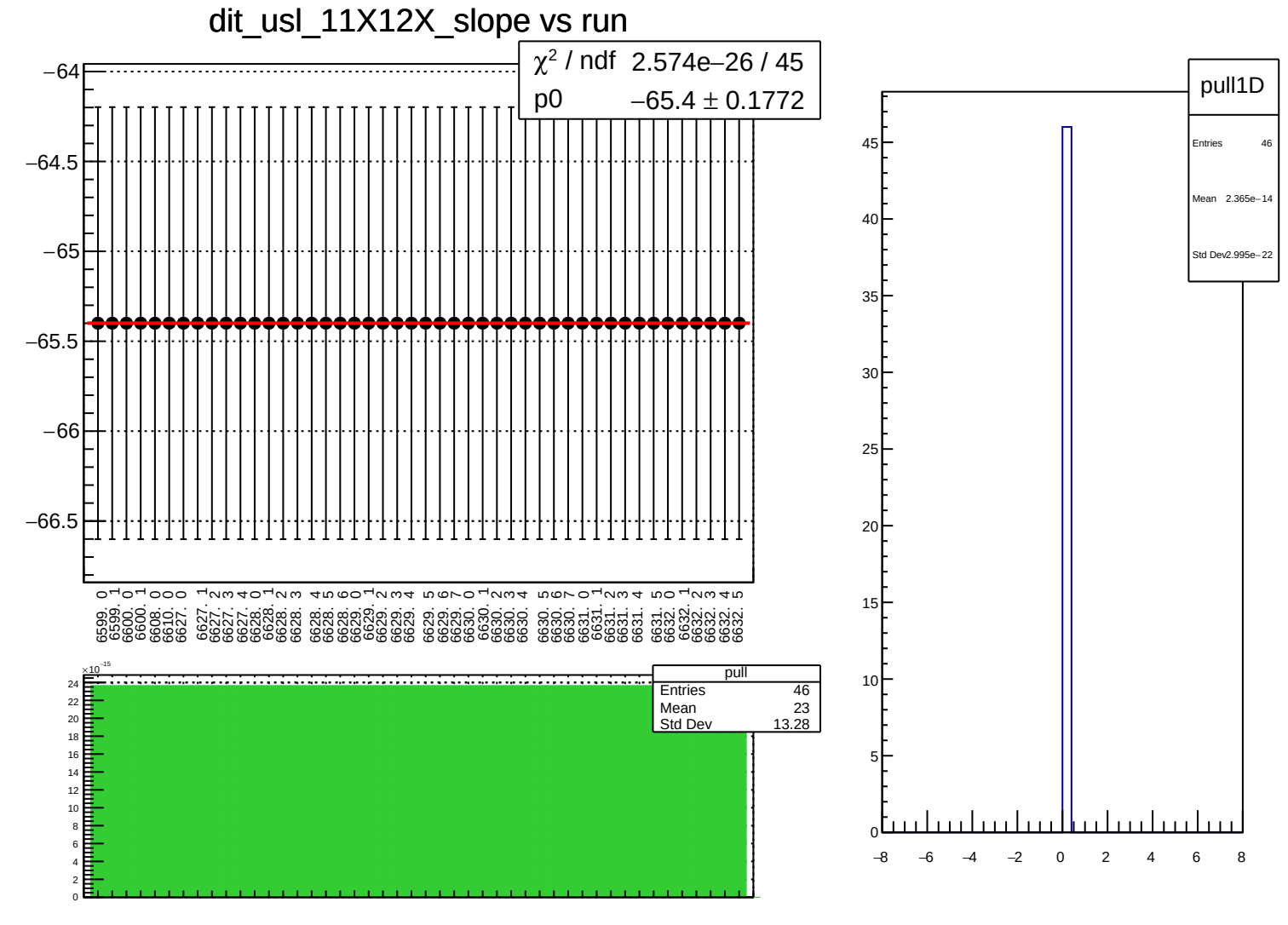

asym_sam_12345678_avg_mean vs run
χ² / ndf 40.68 / 45
p0 −1338 ± 800.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 124.1
Std Dev 94.47
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

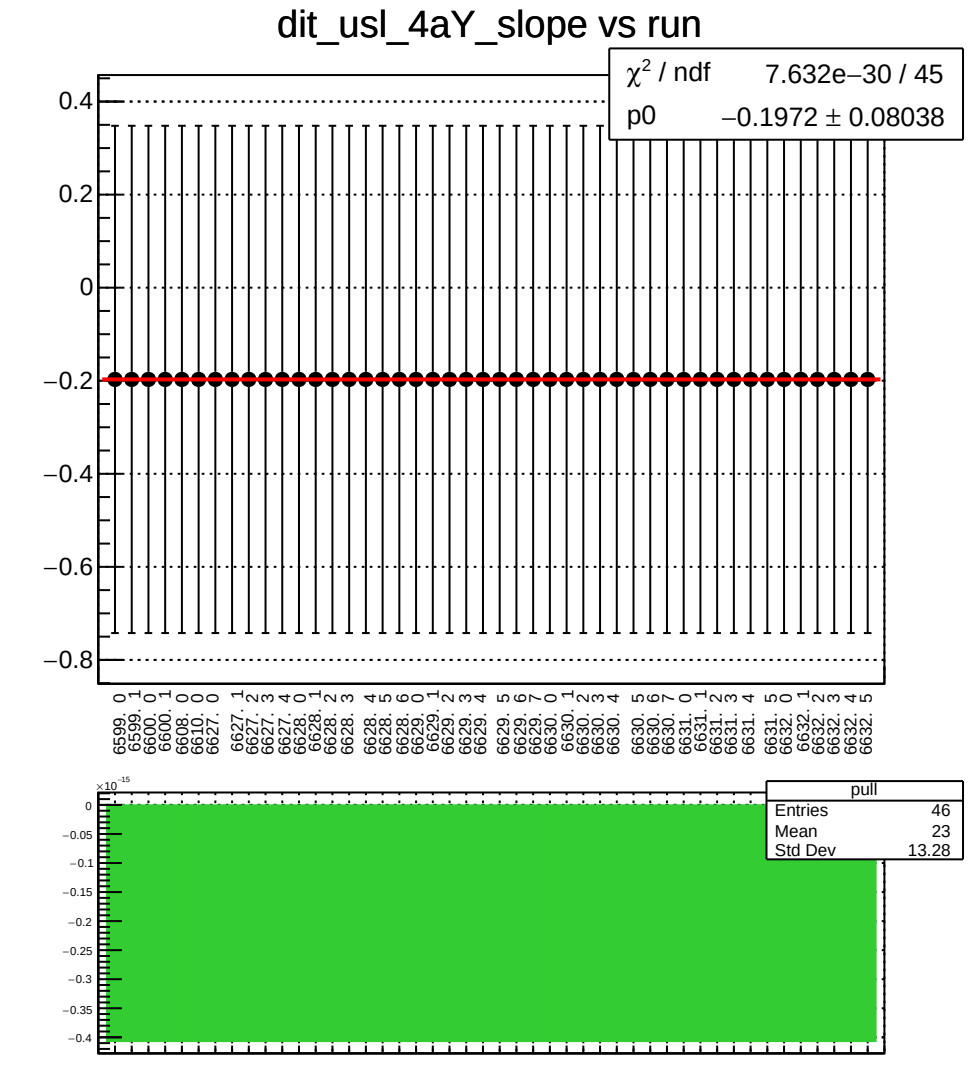

pull1D
Entries 46
Mean 0.008268
Std Dev 0.9404
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

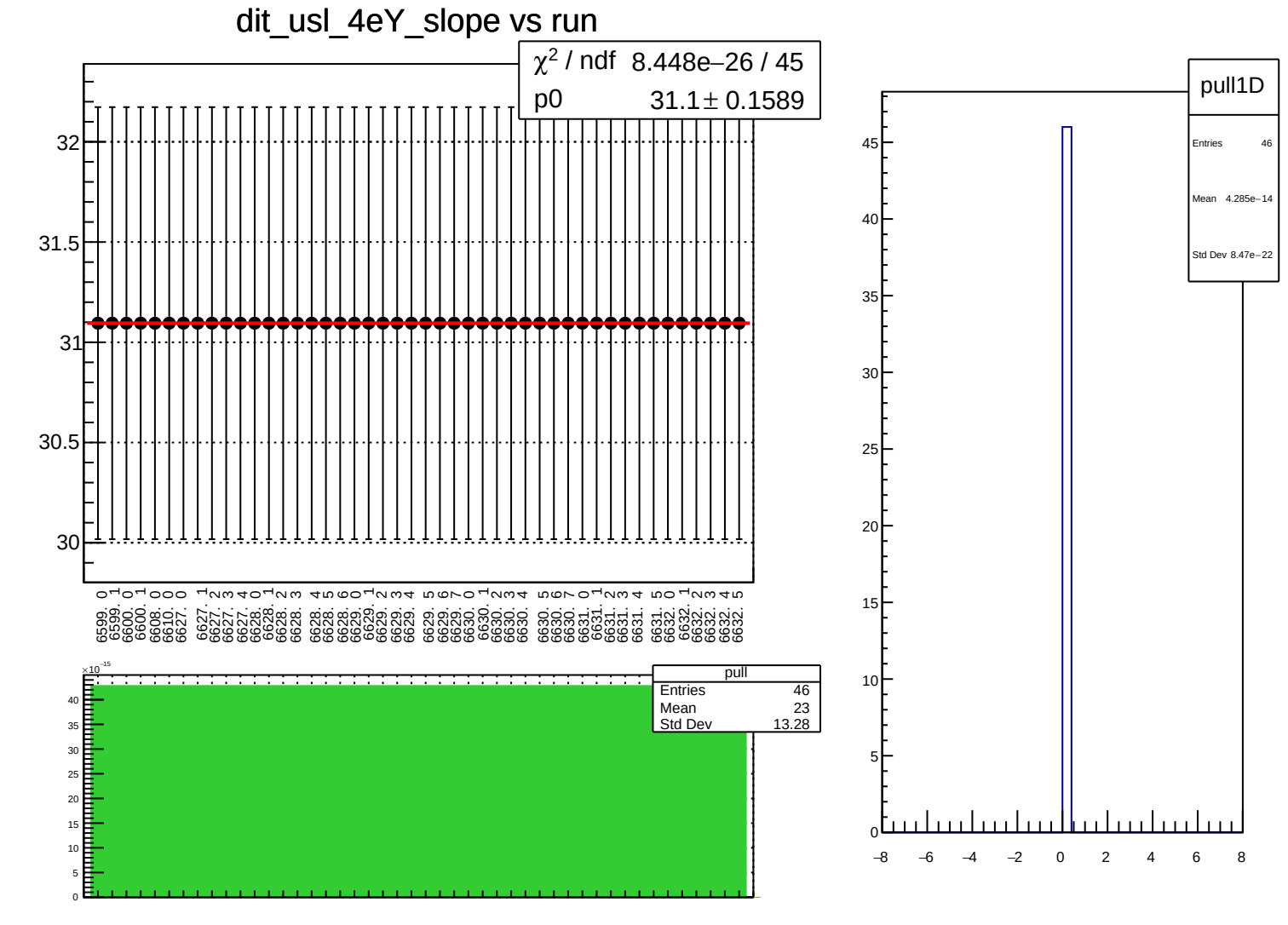

asym_sam_12345678_avg_rms vs run
χ² / ndf 6197 / 45
p0 523.5 ± 0.5657
650
600
550
500
450
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5


dit_usl_4aX_slope vs run
χ² / ndf 6.336e−26 / 45
p0 −174 ± 0.5646
−170
−171
−172
−173
−174
−175
−176
−177
−178
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 3.711e−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_usl_4eX_slope vs run
χ² / ndf 1.876e−26 / 45
p0 133.2 ± 0.6225
138
136
134
132
130
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 2.02e−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_usl_11X12X_slope vs run
χ² / ndf 2.574e−26 / 45
p0 −65.4 ± 0.1772
−64
−64.5
−65
−65.5
−66
−66.5
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 2.365e−14
Std Dev 2.995e−22


dit_usl_4aY_slope vs run
χ² / ndf 7.632e−30 / 45
p0 −0.1972 ± 0.08038
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −4.073e−16
Std Dev1.552e−23
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 8.448e−26 / 45
p0 31.1 ± 0.1589
32
31.5
31
30.5
30
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
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6632. 4
6632. 5
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 4.285e−14
Std Dev 8.47e−22
45
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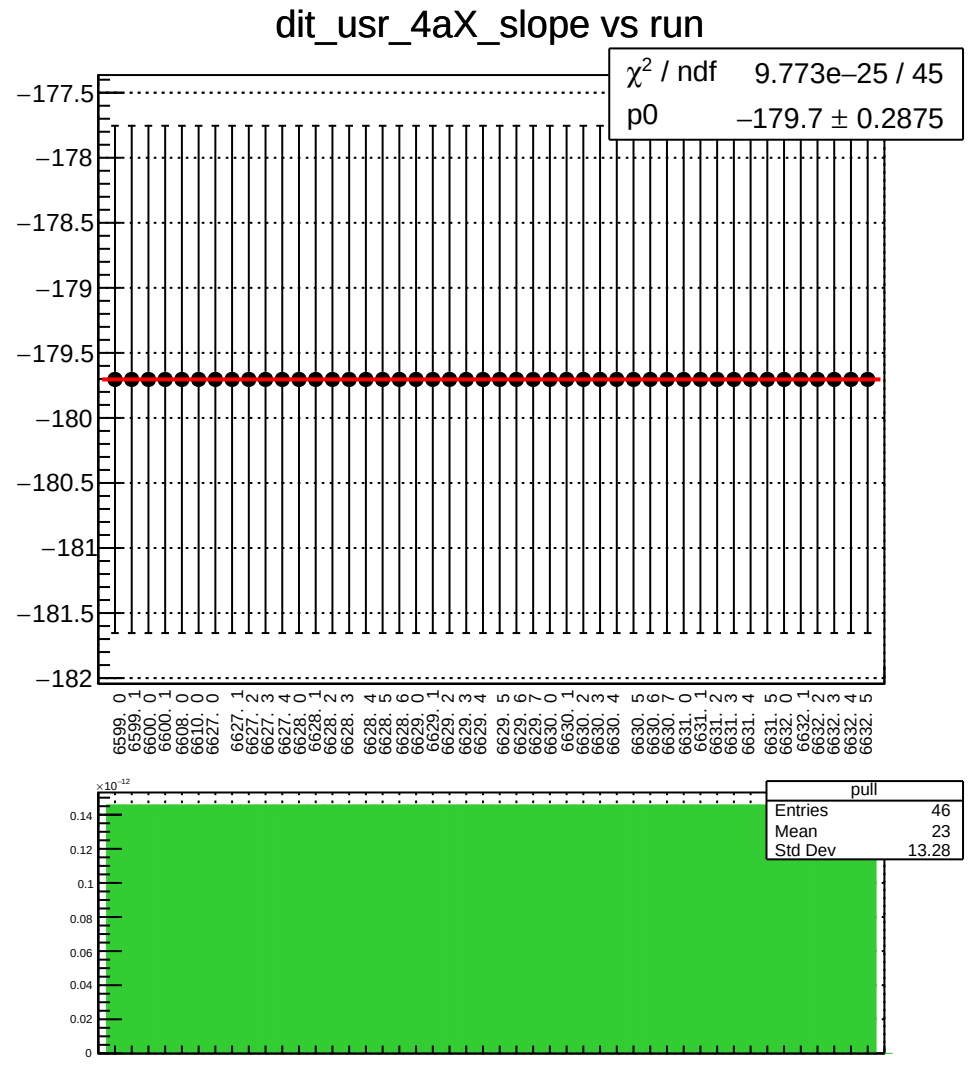
dit_usr_4aX_slope vs run
χ² / ndf 9.773e−25 / 45
p0 −179.7 ± 0.2875
−177.5
−178
−178.5
−179
−179.5
−180
−180.5
−181
−181.5
−182
6599. 0
6599. 1
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6610. 0
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6631. 3
6631. 4
6631. 5
6632. 0
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6632. 5
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.458e−13
Std Dev5.082e−21
45
40
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25
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5
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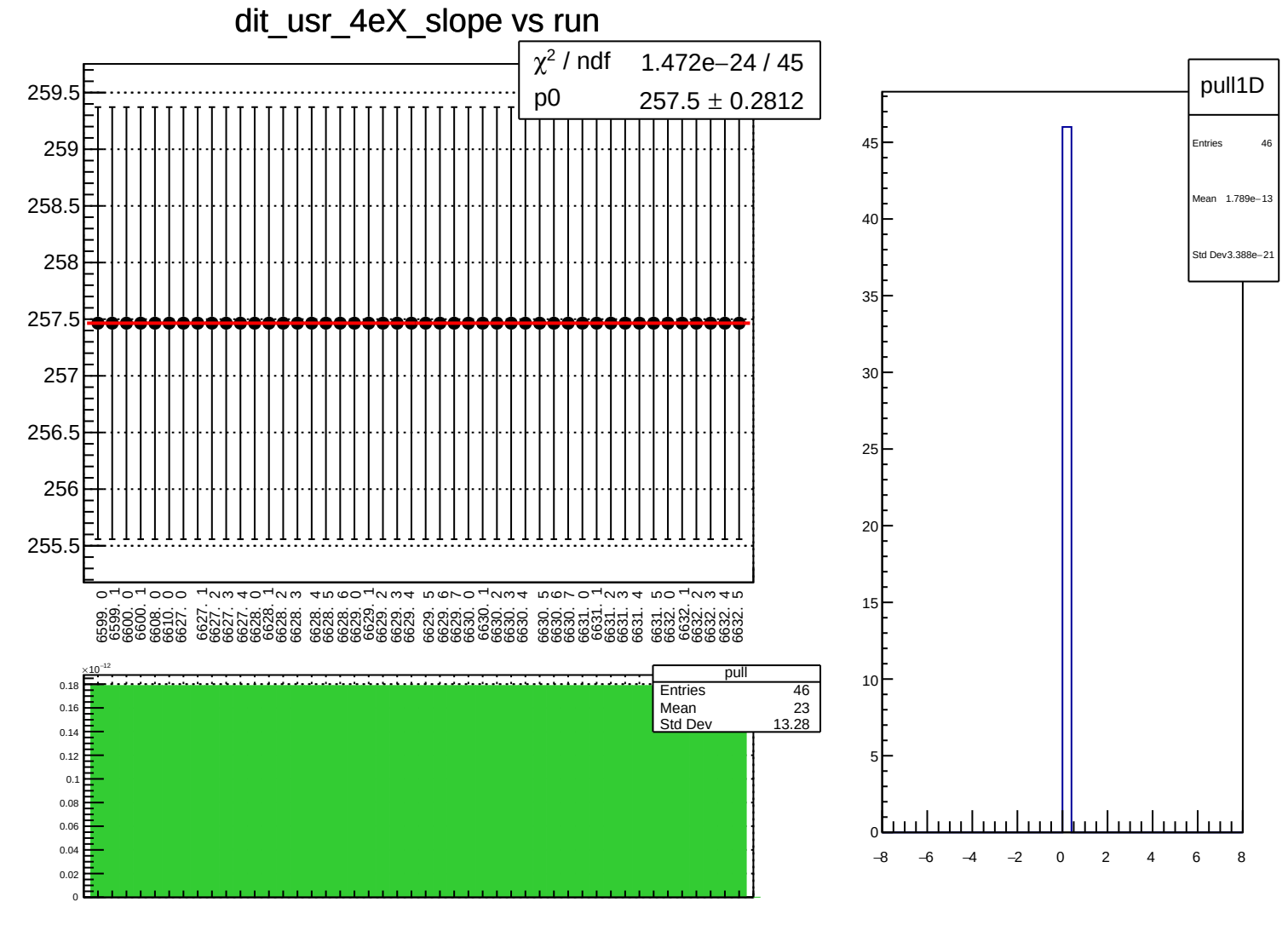
dit_usr_4eX_slope vs run
χ² / ndf 1.472e−24 / 45
p0 257.5 ± 0.2812
259.5
259
258.5
258
257.5
257
256.5
256
255.5
6599. 0
6599. 1
6600. 0
6600. 1
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6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.789e−13
Std Dev3.388e−21
45
40
35
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25
20
15
10
5
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−4
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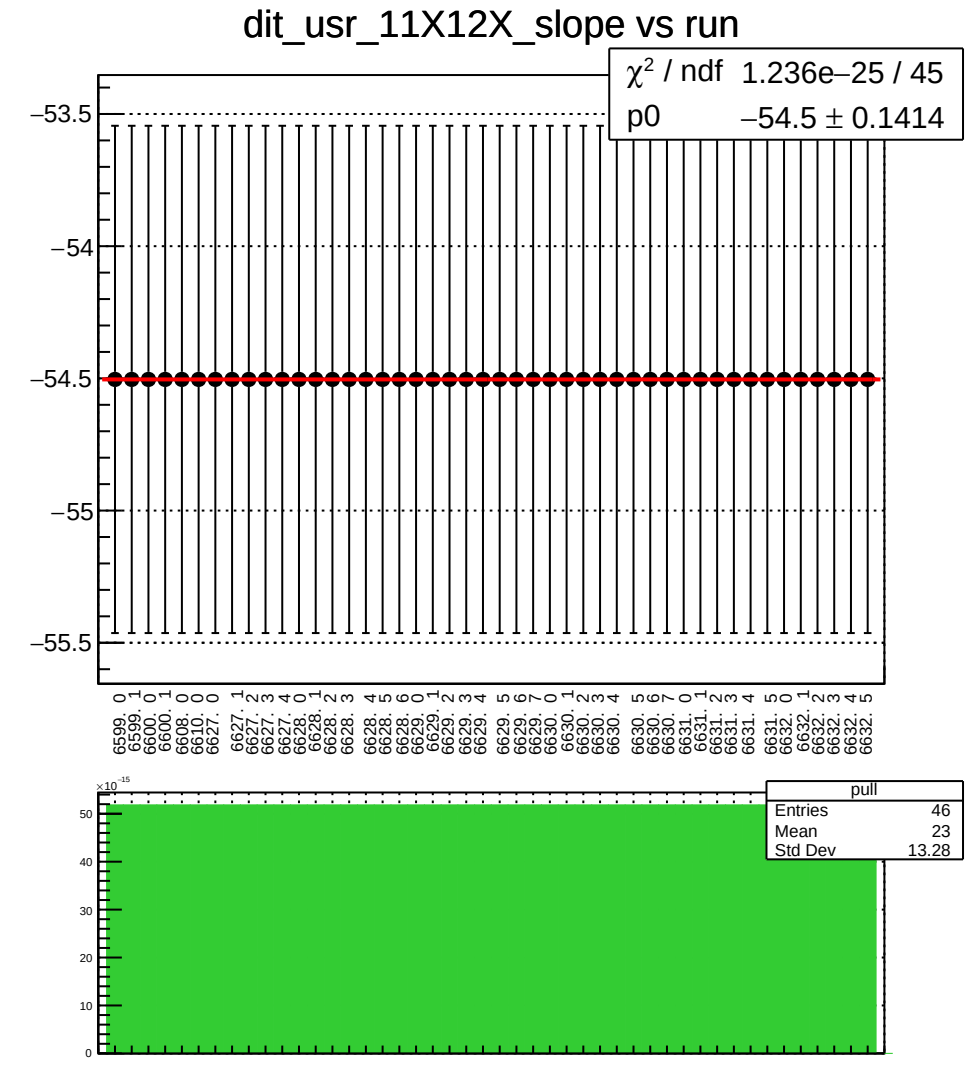
6
8


dit_usr_11X12X_slope vs run
χ² / ndf 1.236e−25 / 45
p0 −54.5 ± 0.1414
−53.5
−54
−54.5
−55
−55.5
6599. 0
6599. 1
6600. 0
6600. 1
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6632. 2
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×10⁻¹⁵
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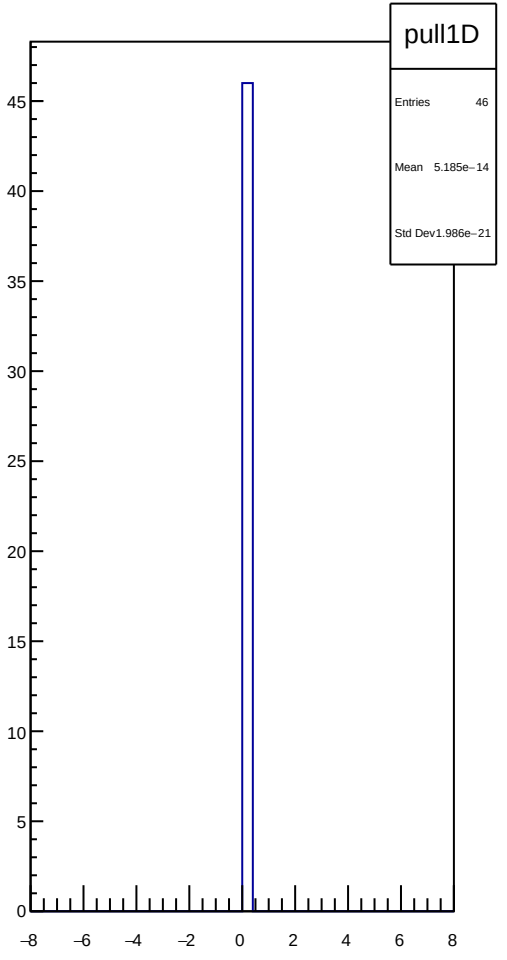
30
20
10
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 5.185e−14
Std Dev 1.986e−21
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20
15
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5
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6
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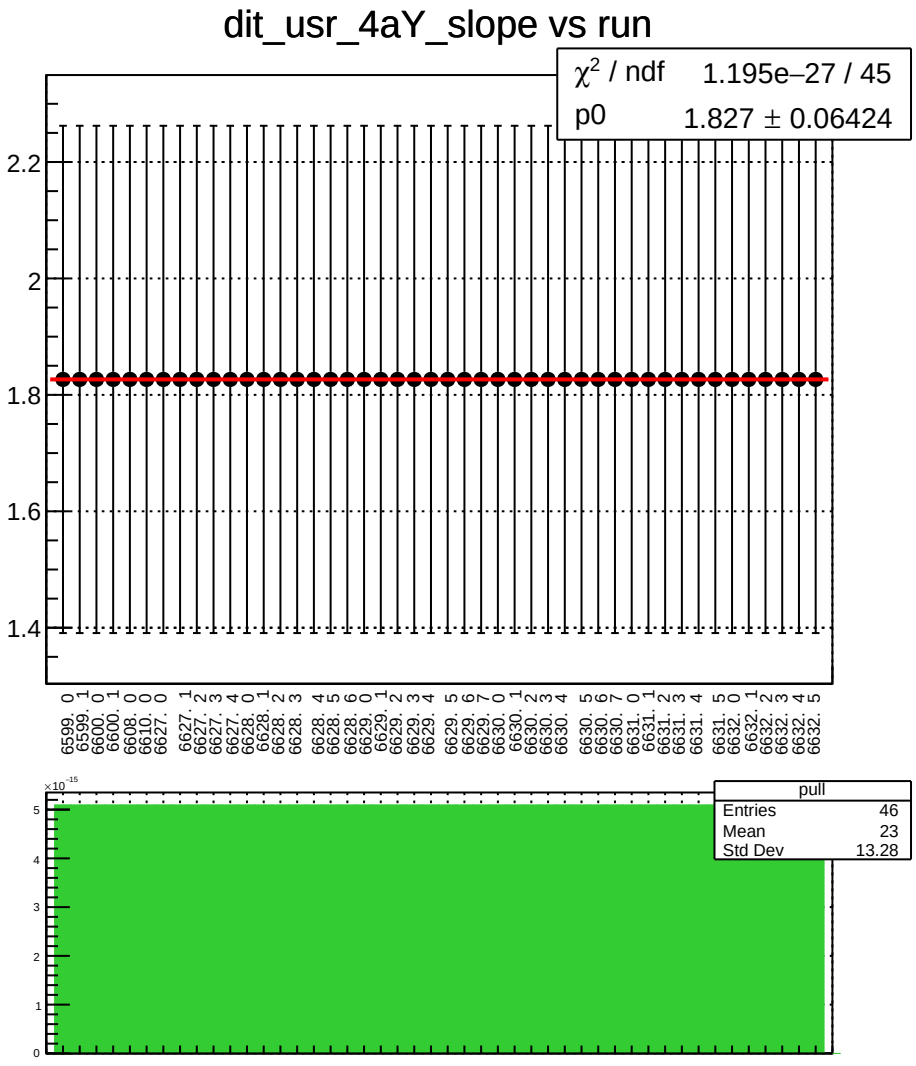
dit_usr_4aY_slope vs run
χ² / ndf 1.195e−27 / 45
p0 1.827 ± 0.06424
2.2
2
1.8
1.6
1.4
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
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6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 5.096e−15
Std Dev 2.368e−22
45
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25
20
15
10
5
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−4
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6
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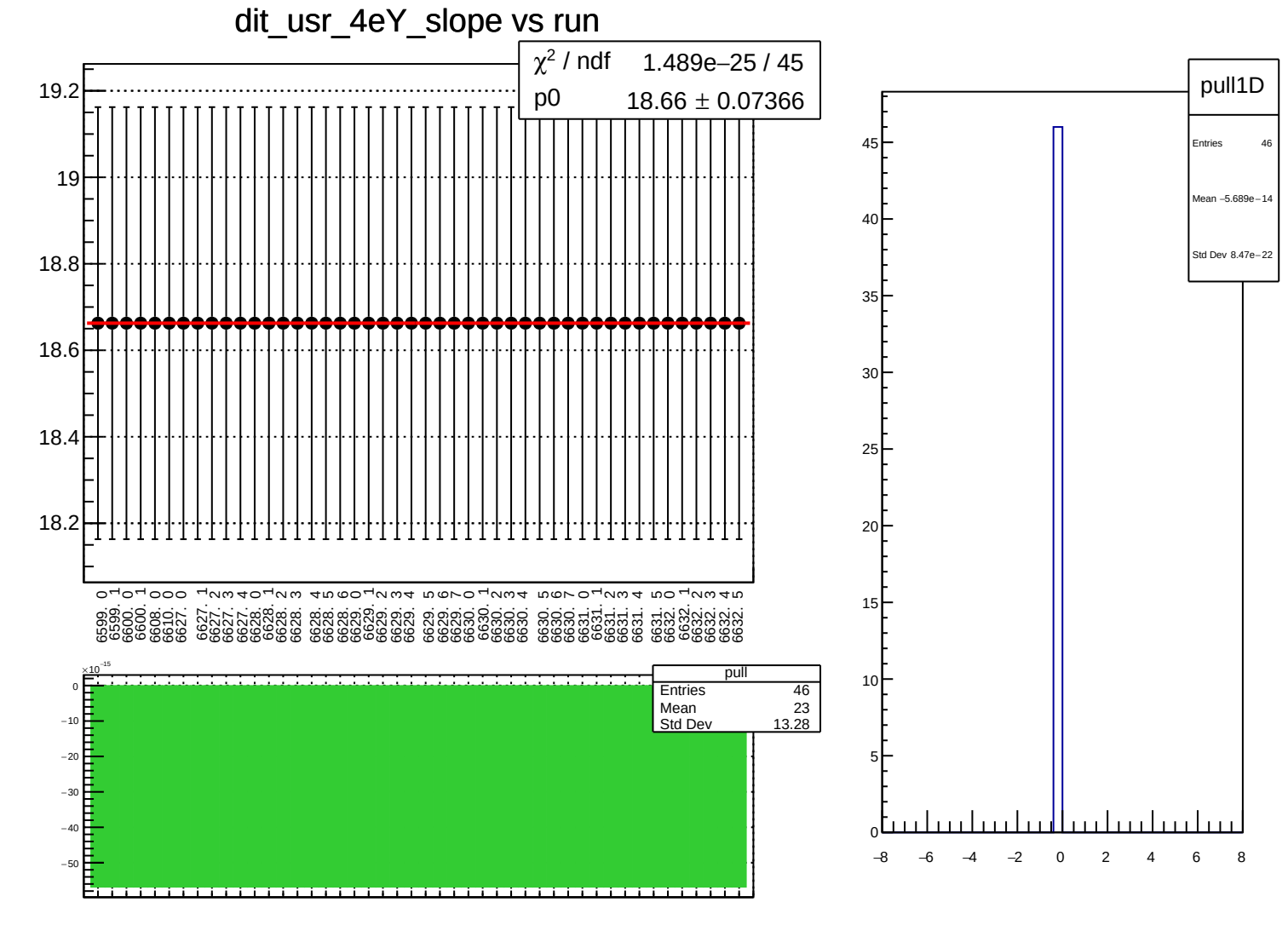
dit_usr_4eY_slope vs run
χ² / ndf 1.489e−25 / 45
p0 18.66 ± 0.07366
19.2
19
18.8
18.6
18.4
18.2
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
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6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −5.689e−14
Std Dev 8.47e−22
45
40
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15
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5
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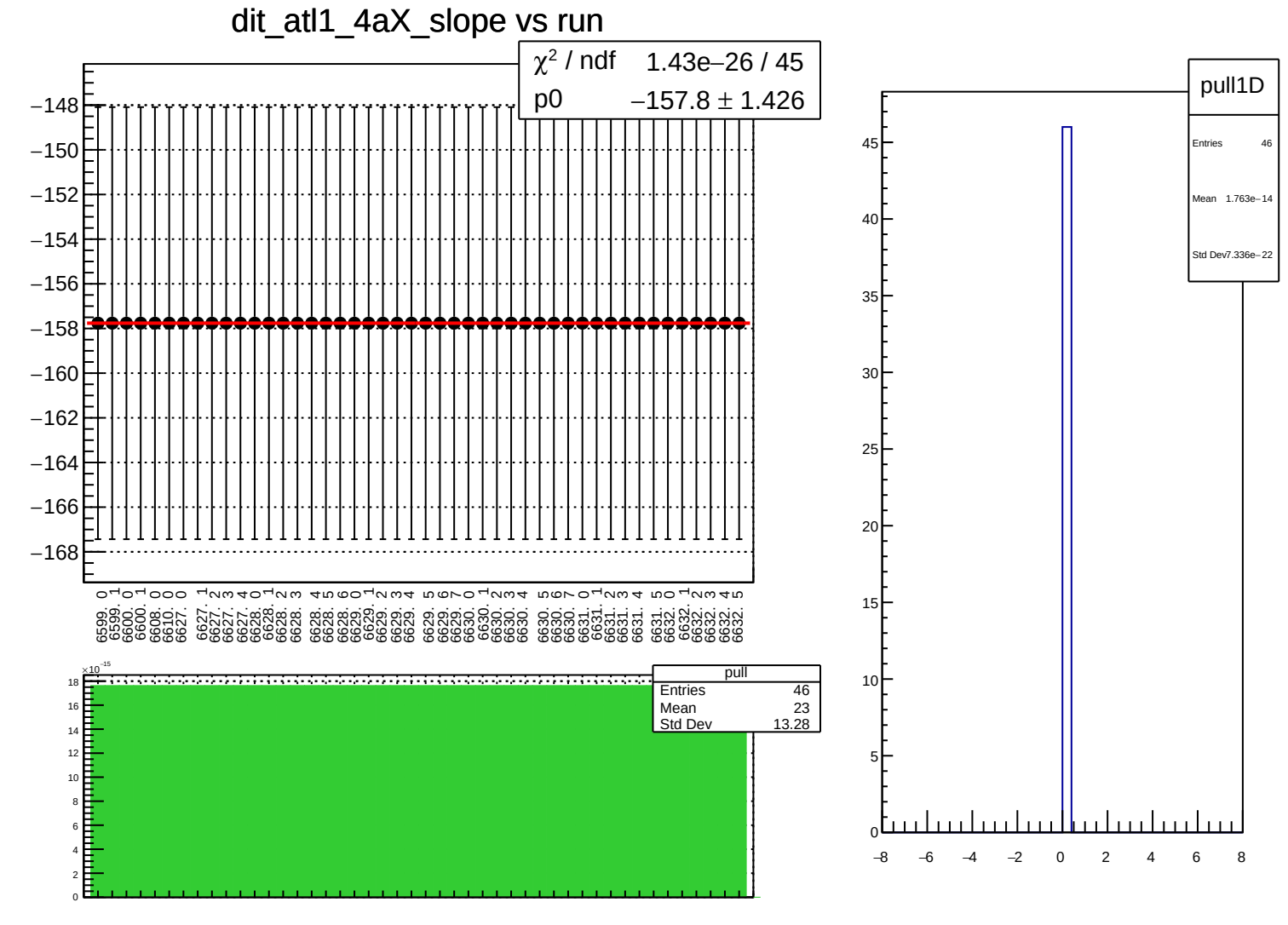
dit_atl1_4aX_slope vs run
χ² / ndf 1.43e−26 / 45
p0 −157.8 ± 1.426
−148
−150
−152
−154
−156
−158
−160
−162
−164
−166
−168
6599. 0
6599. 1
6600. 0
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6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.763e−14
Std Dev7.336e−22
45
40
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25
20
15
10
5
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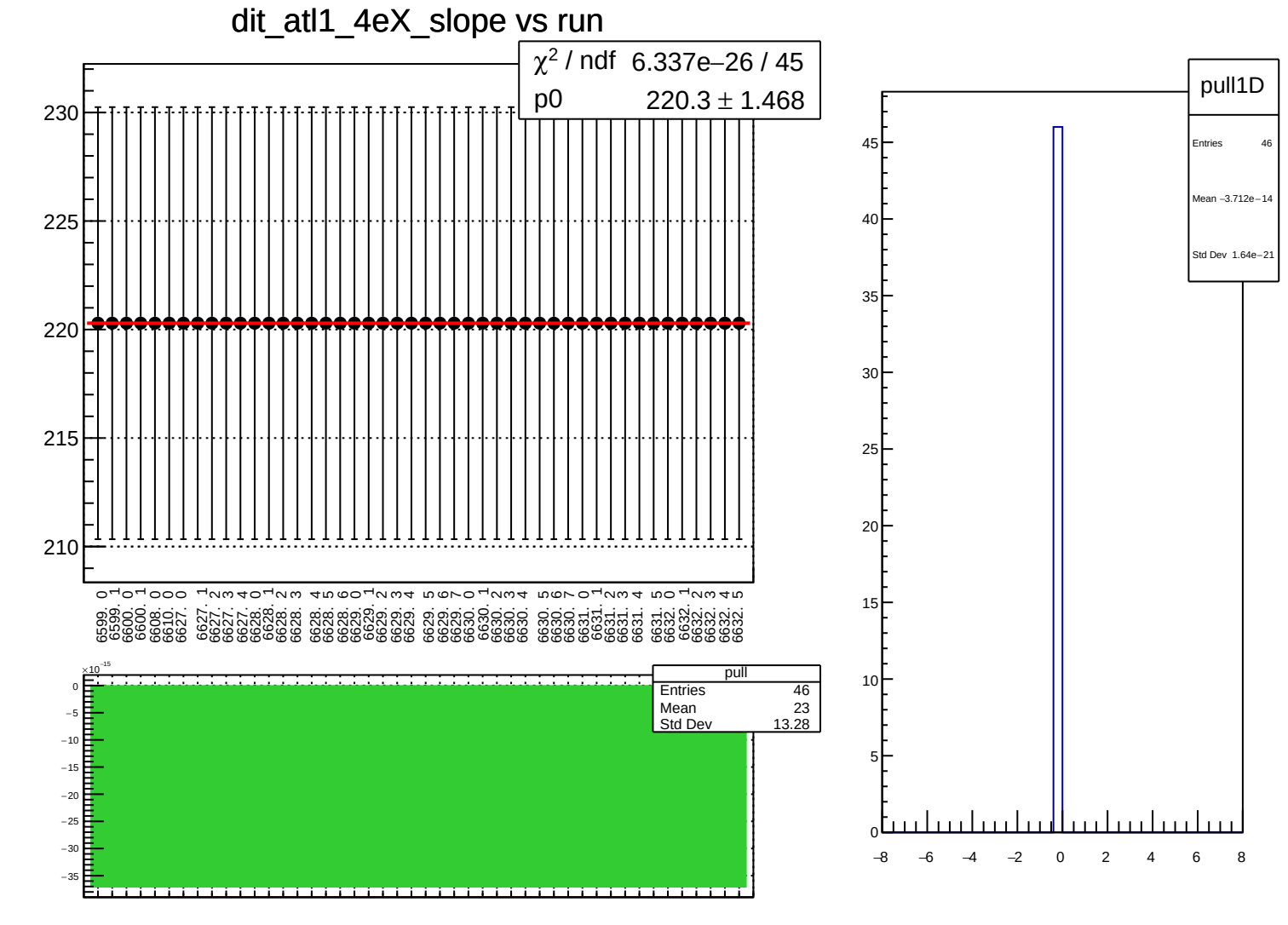
dit_atl1_4eX_slope vs run
χ² / ndf 6.337e−26 / 45
p0 220.3 ± 1.468
230
225
220
215
210
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
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6630. 7
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6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −3.712e−14
Std Dev 1.64e−21
45
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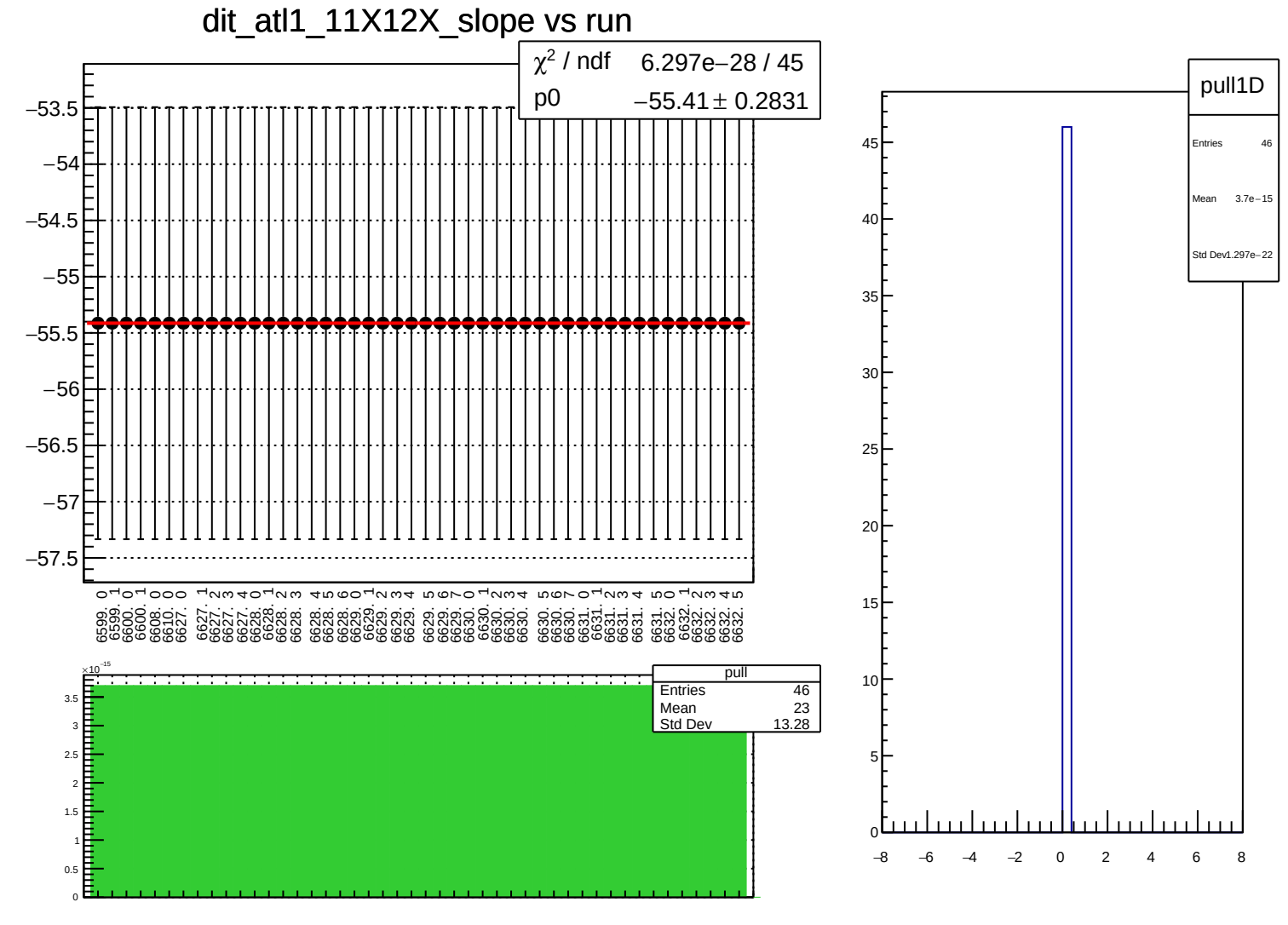
dit_atl1_11X12X_slope vs run
χ² / ndf 6.297e−28 / 45
p0 −55.41 ± 0.2831
−53.5
−54
−54.5
−55
−55.5
−56
−56.5
−57
−57.5
6599. 0
6599. 1
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6600. 1
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6630. 7
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6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
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6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 3.7e−15
Std Dev 1.297e−22
45
40
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25
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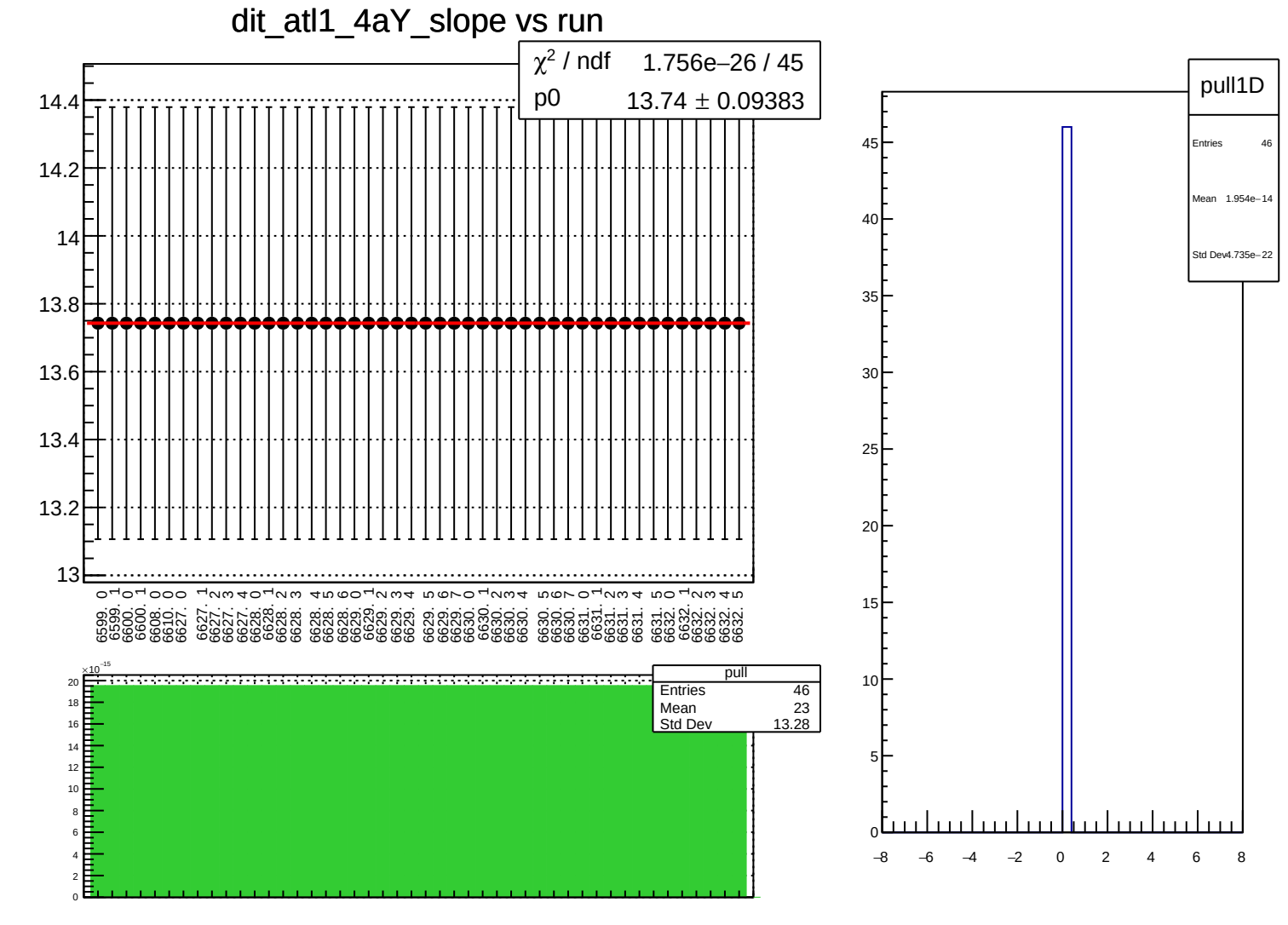
dit_atl1_4aY_slope vs run
χ² / ndf 1.756e−26 / 45
p0 13.74 ± 0.09383
14.4
14.2
14
13.8
13.6
13.4
13.2
13
6599. 0
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6631. 4
6631. 5
6632. 0
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6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.954e−14
Std Dev 4.735e−22
45
40
35
30
25
20
15
10
5
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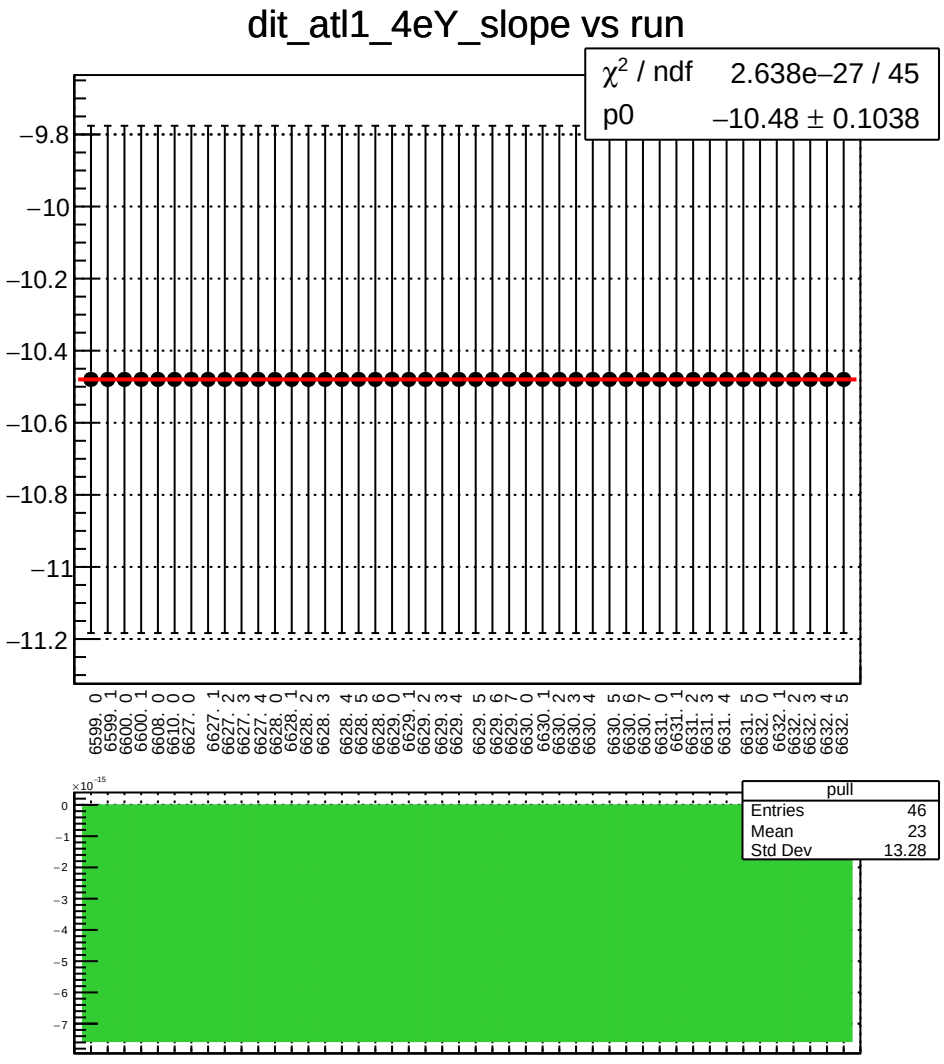
dit_atl1_4eY_slope vs run
χ² / ndf 2.638e−27 / 45
p0 −10.48 ± 0.1038
−9.8
−10
−10.2
−10.4
−10.6
−10.8
−11
−11.2
6599. 0
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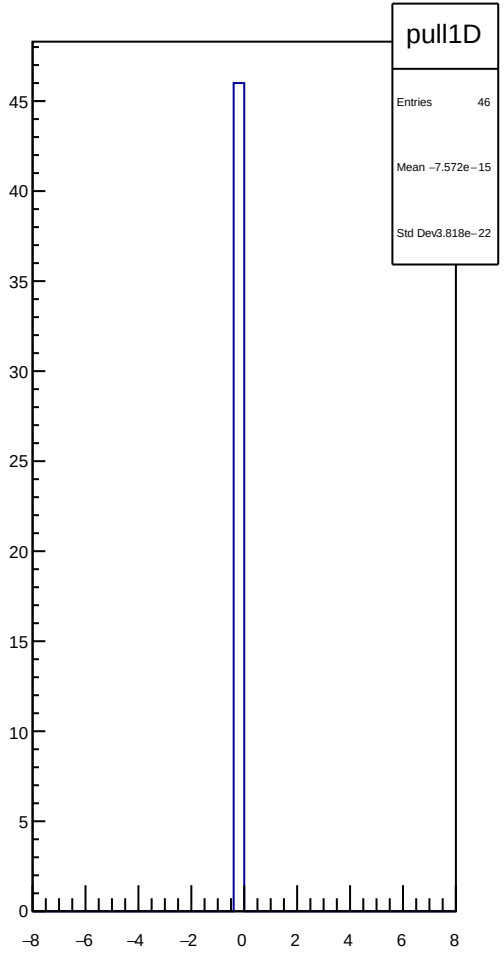
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean −7.572e−15
Std Dev3.818e−22
45
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25
20
15
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−4
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2
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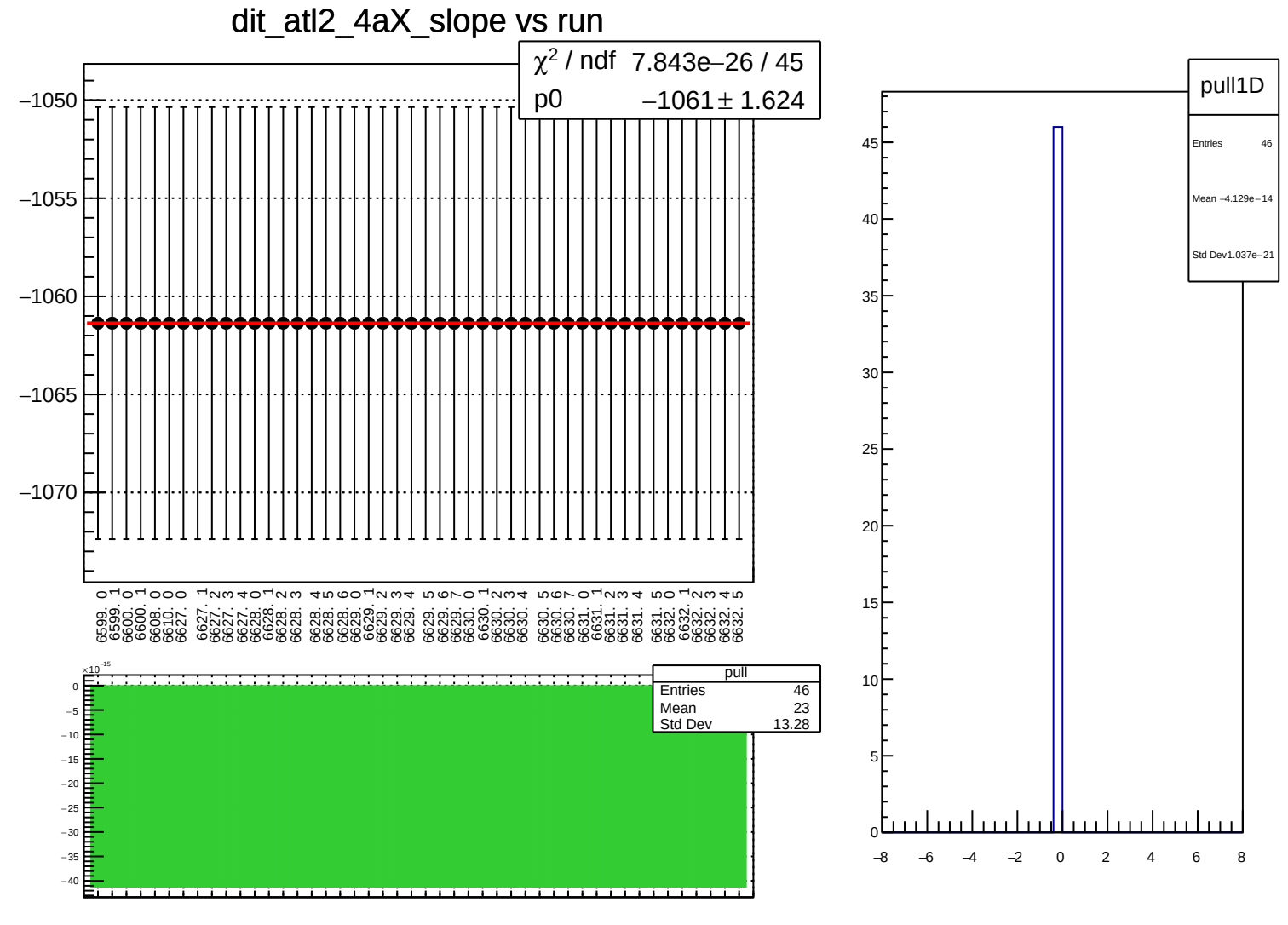
6
8


dit_atl2_4aX_slope vs run
χ² / ndf 7.843e−26 / 45
p0 −1061 ± 1.624
−1050
−1055
−1060
−1065
−1070
6599. 0
6599. 1
6600. 0
6600. 1
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6631. 4
6631. 5
6632. 0
6632. 1
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6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −4.129e−14
Std Dev1.037e−21
45
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20
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−4
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6
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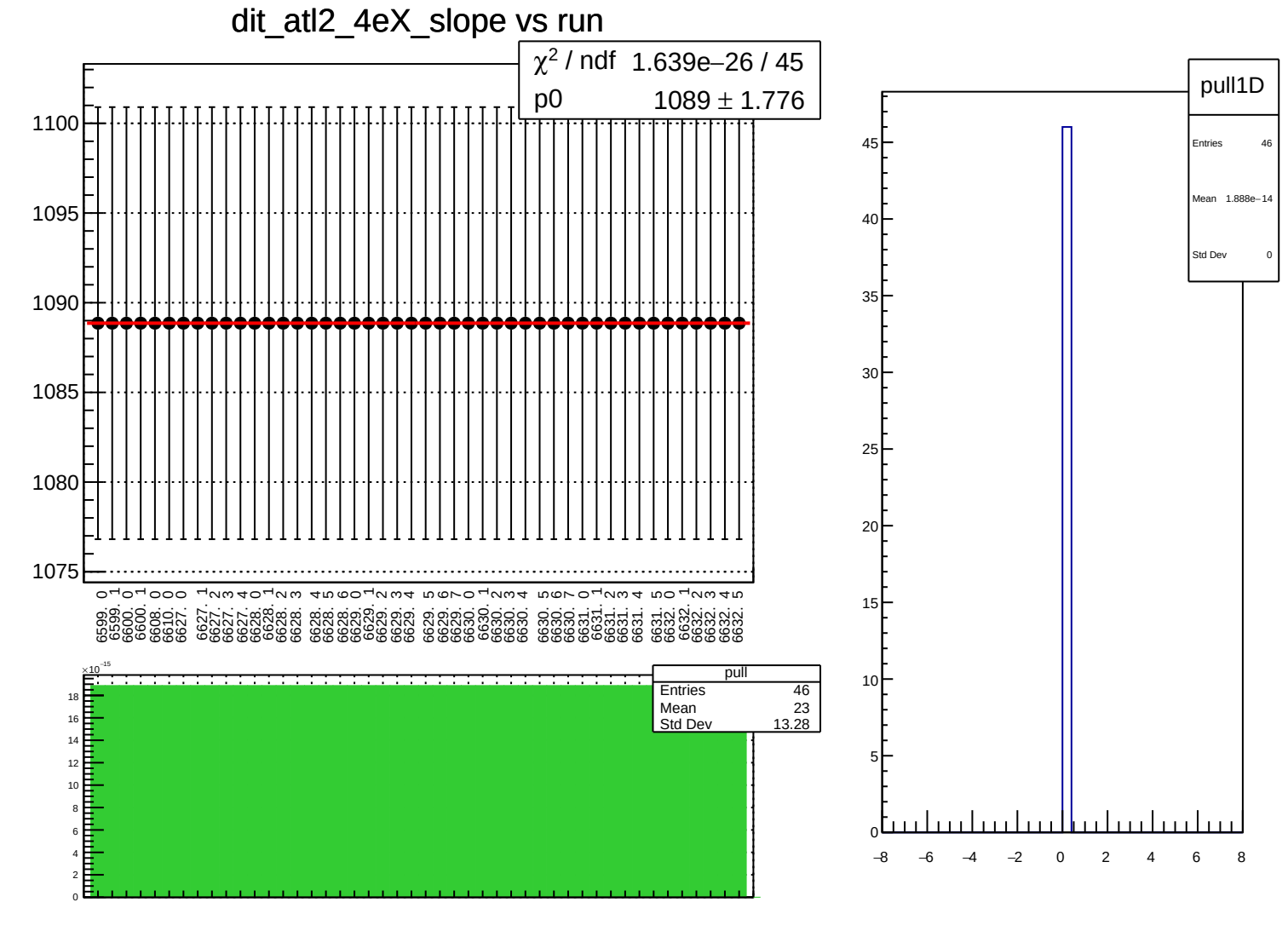
dit_atl2_4eX_slope vs run
χ² / ndf 1.639e−26 / 45
p0 1089 ± 1.776
1100
1095
1090
1085
1080
1075
6599. 0
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6631. 4
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6632. 2
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6632. 5
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.888e−14
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
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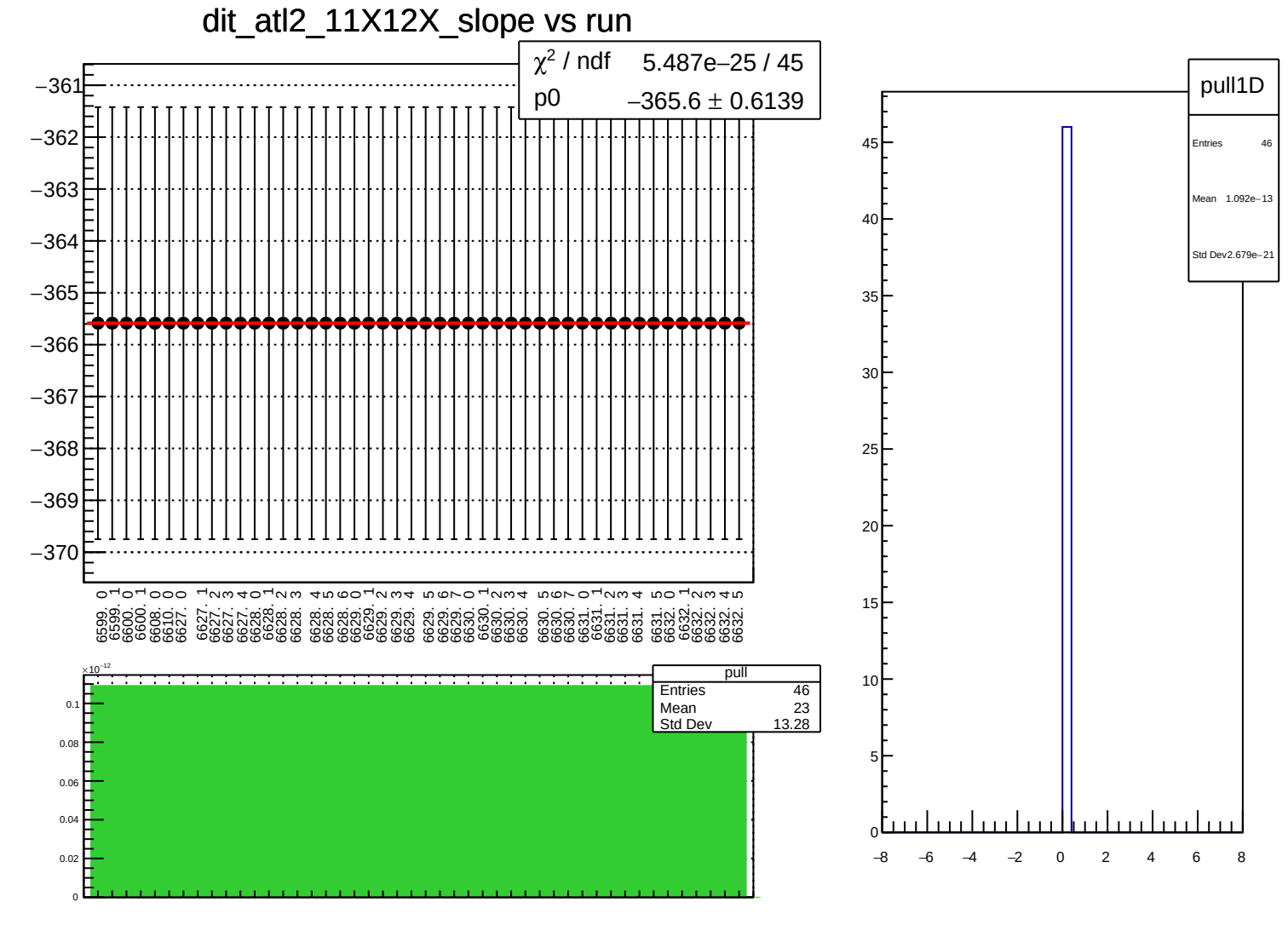
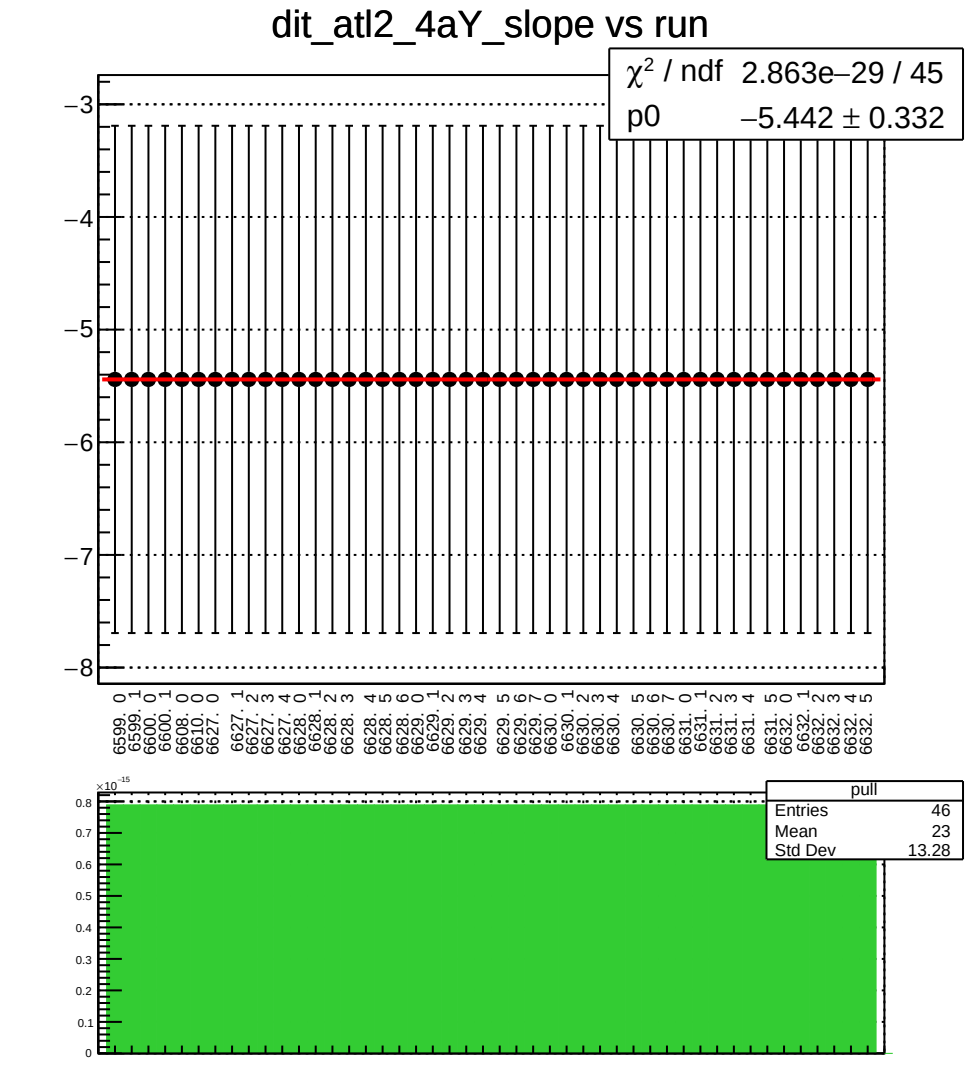

dit_atl2_11X12X_slope vs run
χ² / ndf 5.487e−25 / 45
p0 −365.6 ± 0.6139
−361
−362
−363
−364
−365
−366
−367
−368
−369
−370
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.092e−13
Std Dev2.679e−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 2.863e−29 / 45
p0 −5.442 ± 0.332
−3
−4
−5
−6
−7
−8
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
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6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
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6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
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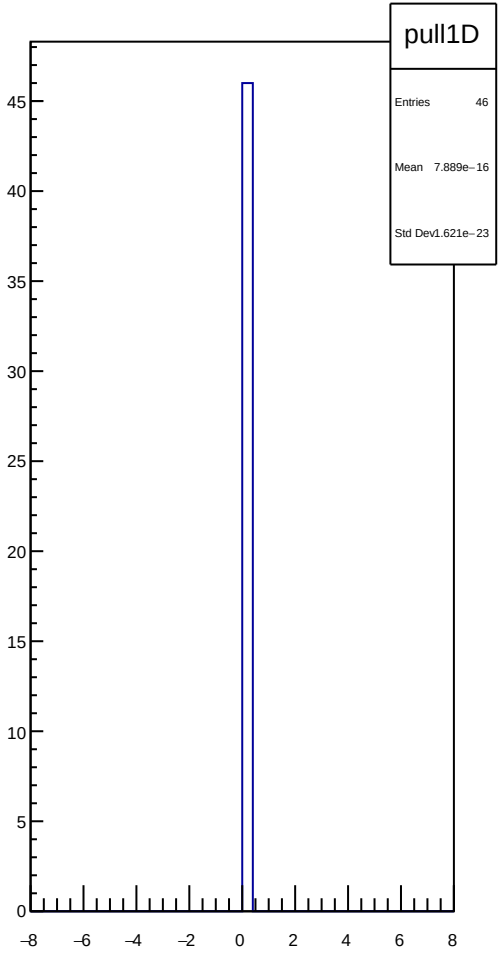
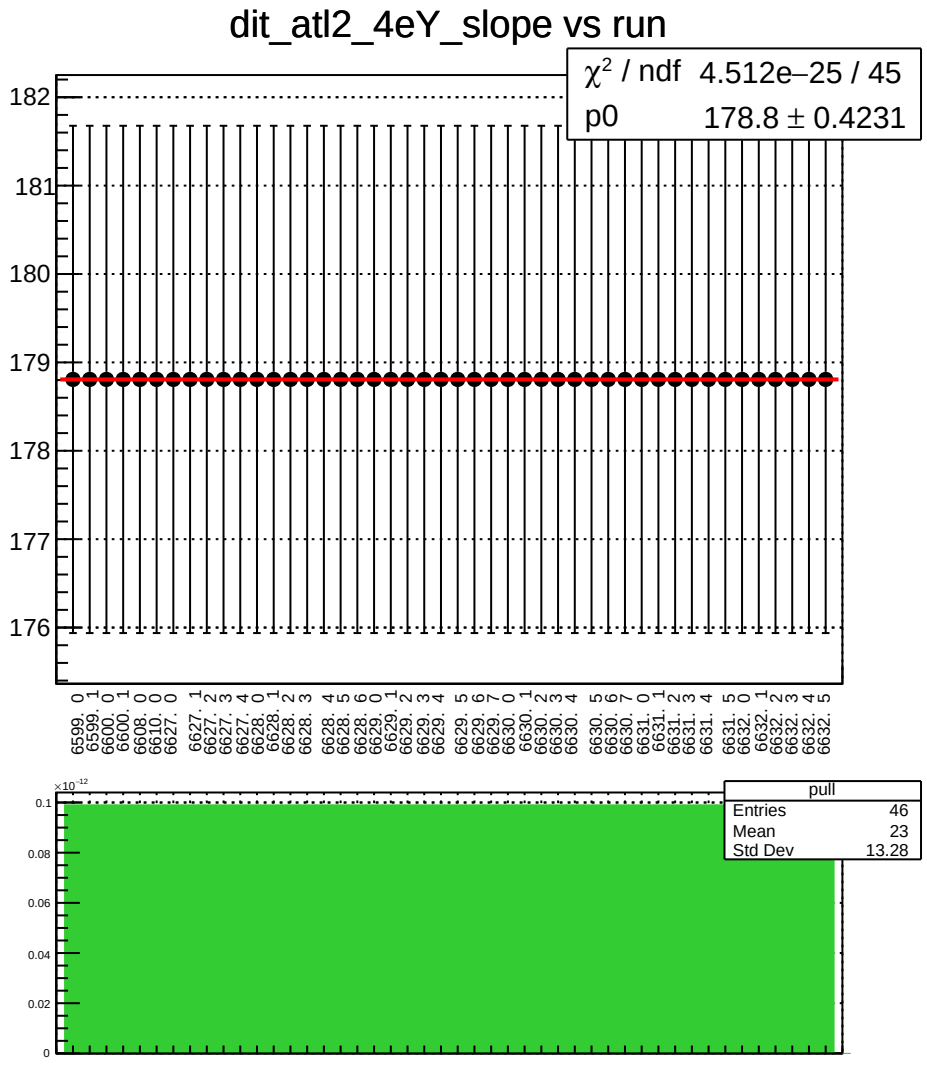
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 7.889e−16
Std Dev1.621e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4eY_slope vs run
χ^2 / ndf 4.512e−25 / 45
p0 178.8 ± 0.4231
182
181
180
179
178
177
176
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
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6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
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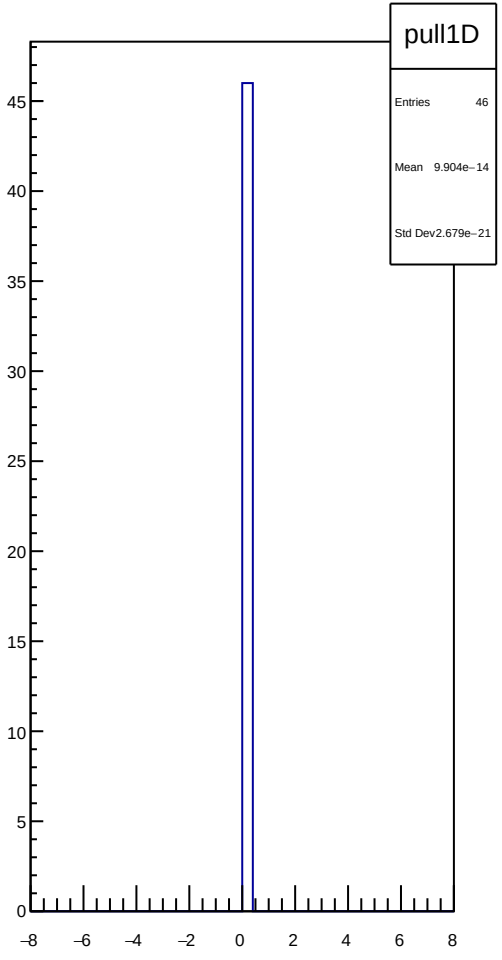
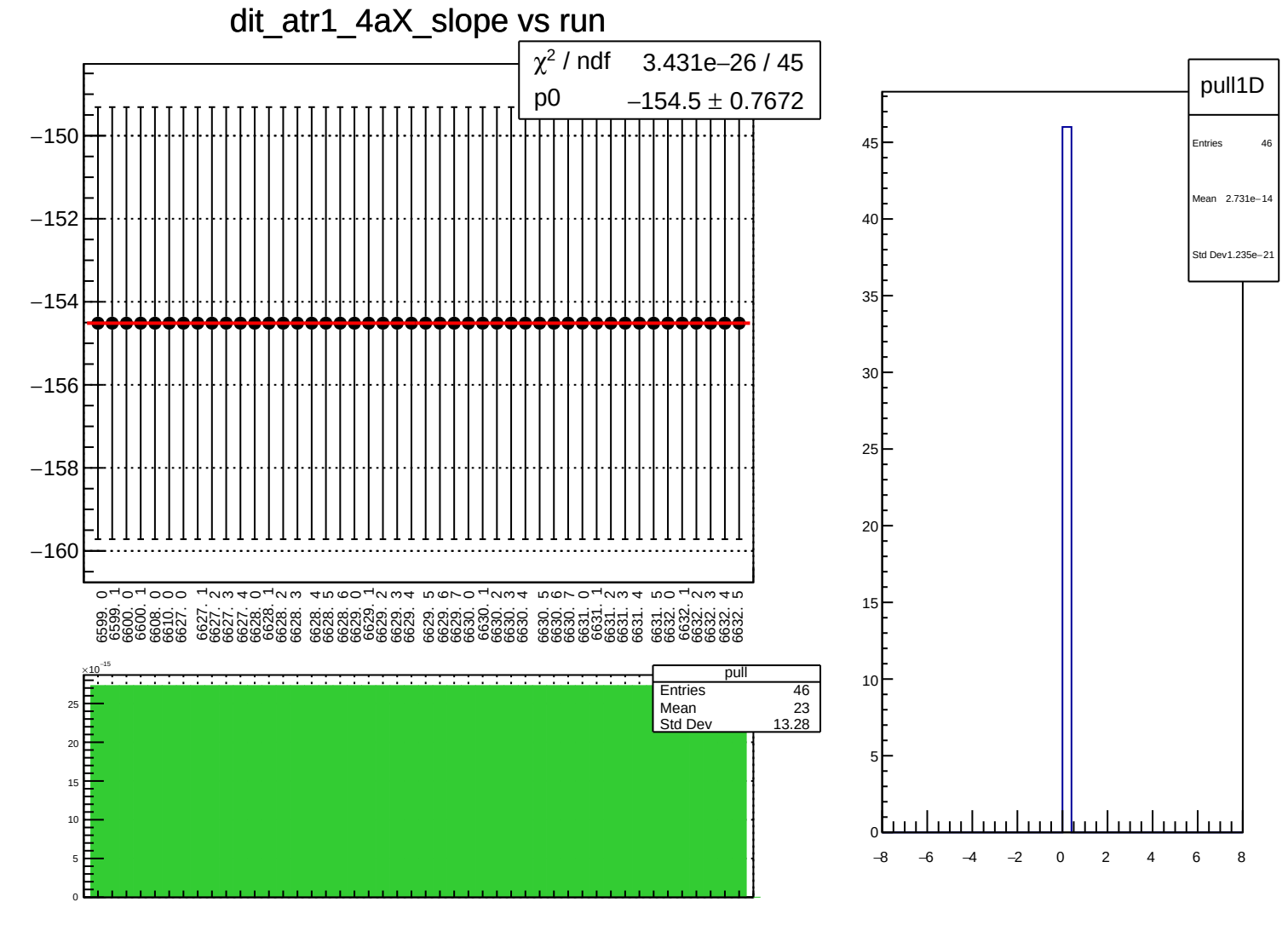
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 9.904e−14
Std Dev2.679e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_4aX_slope vs run
χ² / ndf 3.431e−26 / 45
p0 −154.5 ± 0.7672
−150
−152
−154
−156
−158
−160
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
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6627. 2
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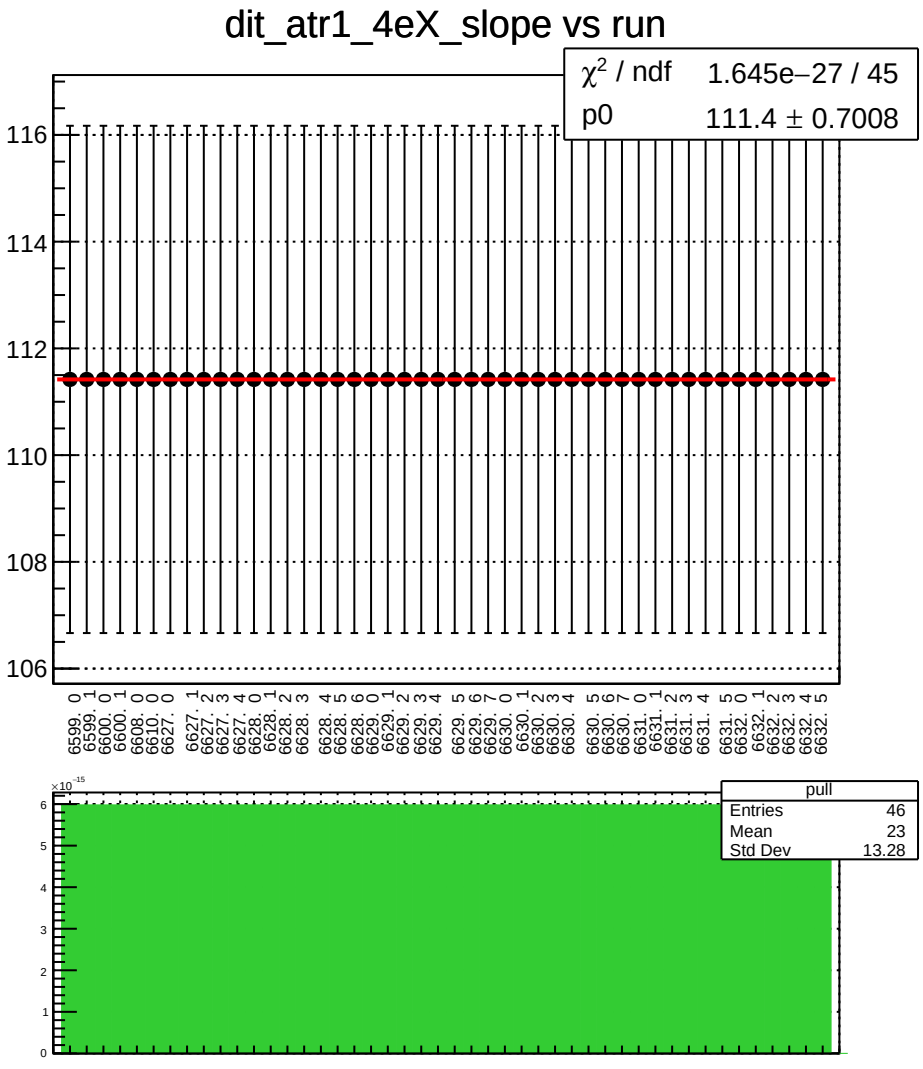
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 2.731e−14
Std Dev1.235e−21
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 1.645e−27 / 45
p0 111.4 ± 0.7008
116
114
112
110
108
106
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
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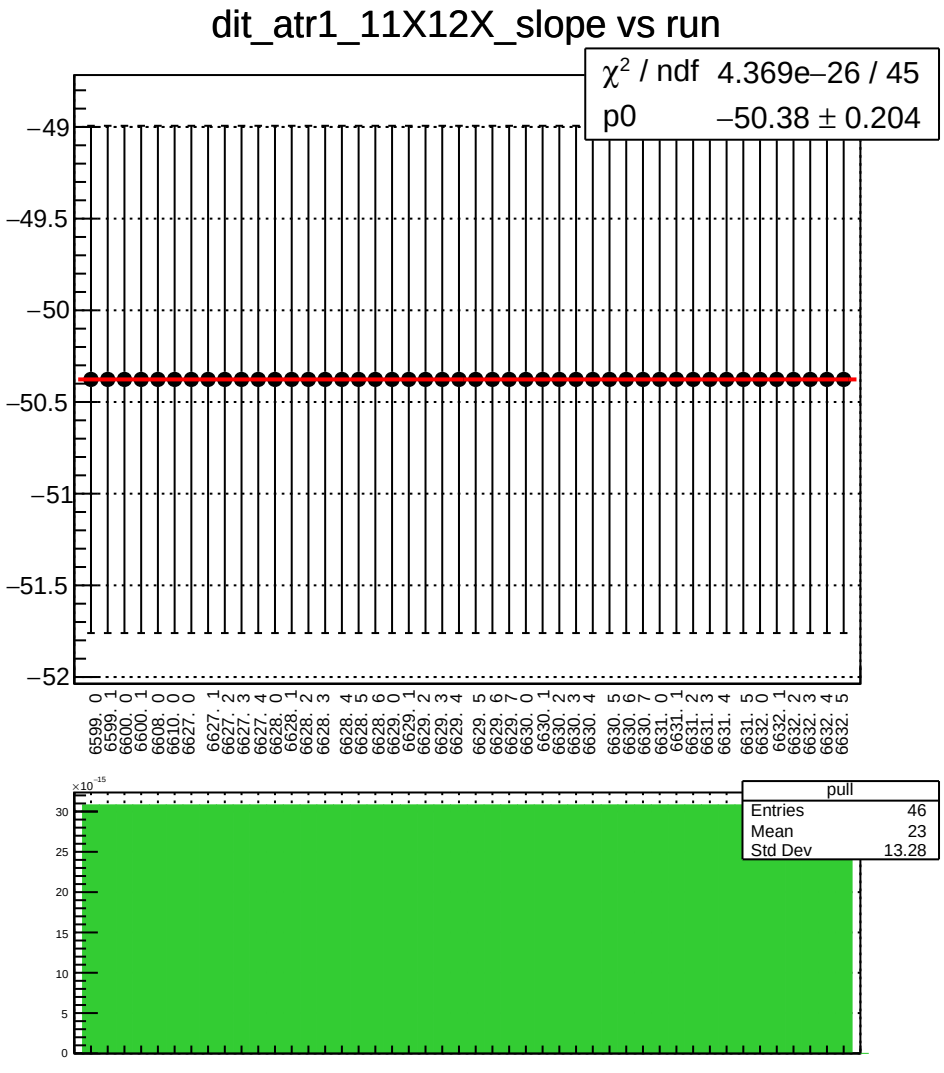
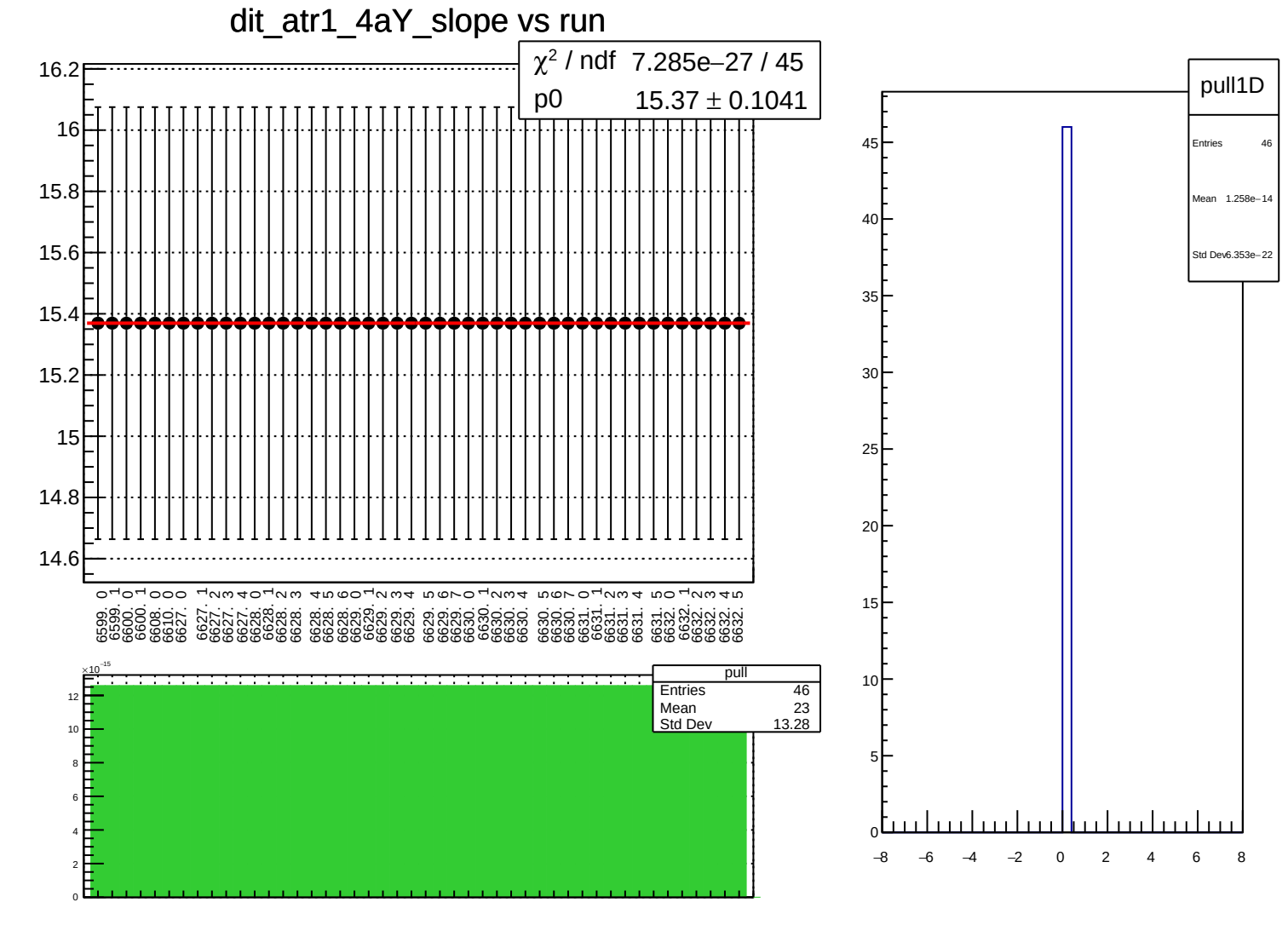
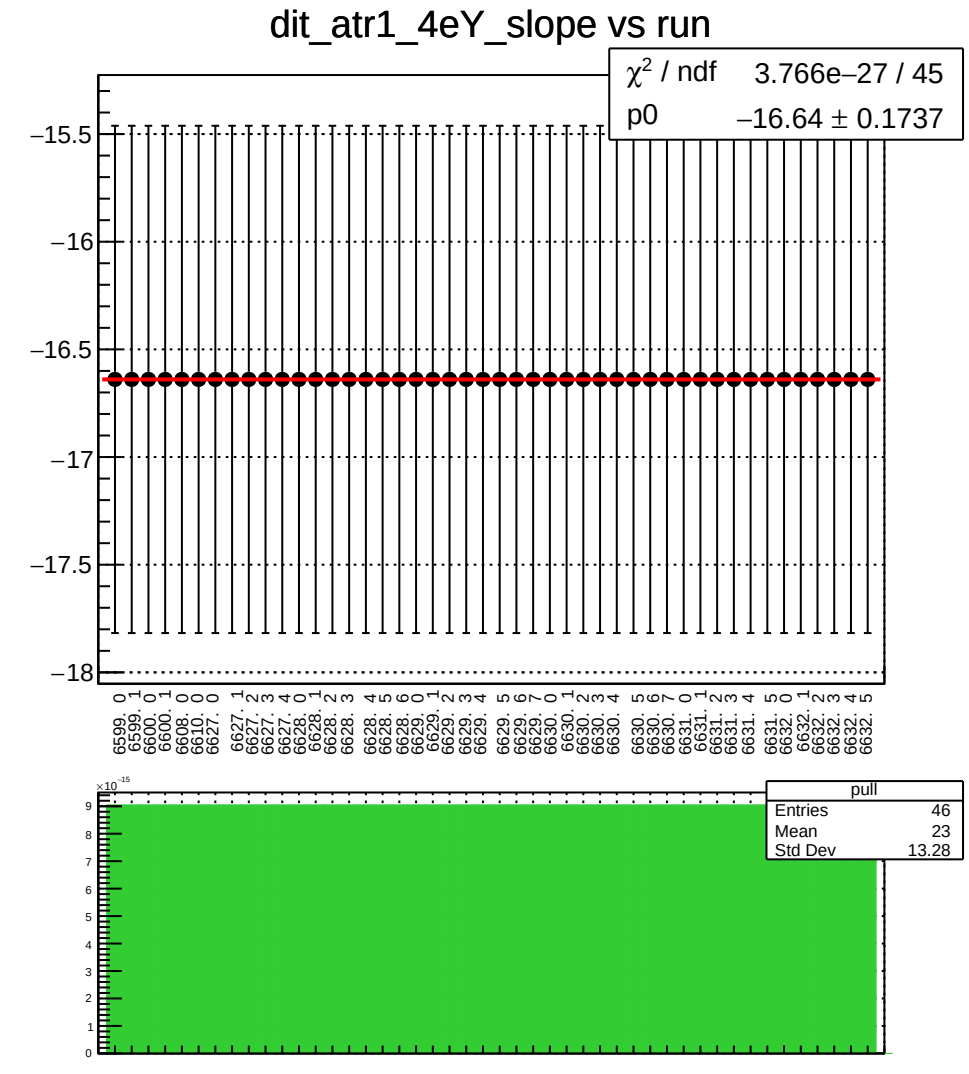
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
6
5
4
3
2
1
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 5.98e−15
Std Dev7.487e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_11X12X_slope vs run
χ² / ndf 4.369e−26 / 45
p0 −50.38 ± 0.204
−49
−49.5
−50
−50.5
−51
−51.5
−52
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 3.082e−14
Std Dev1.271e−21
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 7.285e−27 / 45
p0 15.37 ± 0.1041
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.258e−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_atr1_4eY_slope vs run
χ² / ndf 3.766e−27 / 45
p0 −16.64 ± 0.1737
−15.5
−16
−16.5
−17
−17.5
−18
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
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6628. 4
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6628. 6
6629. 0
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6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
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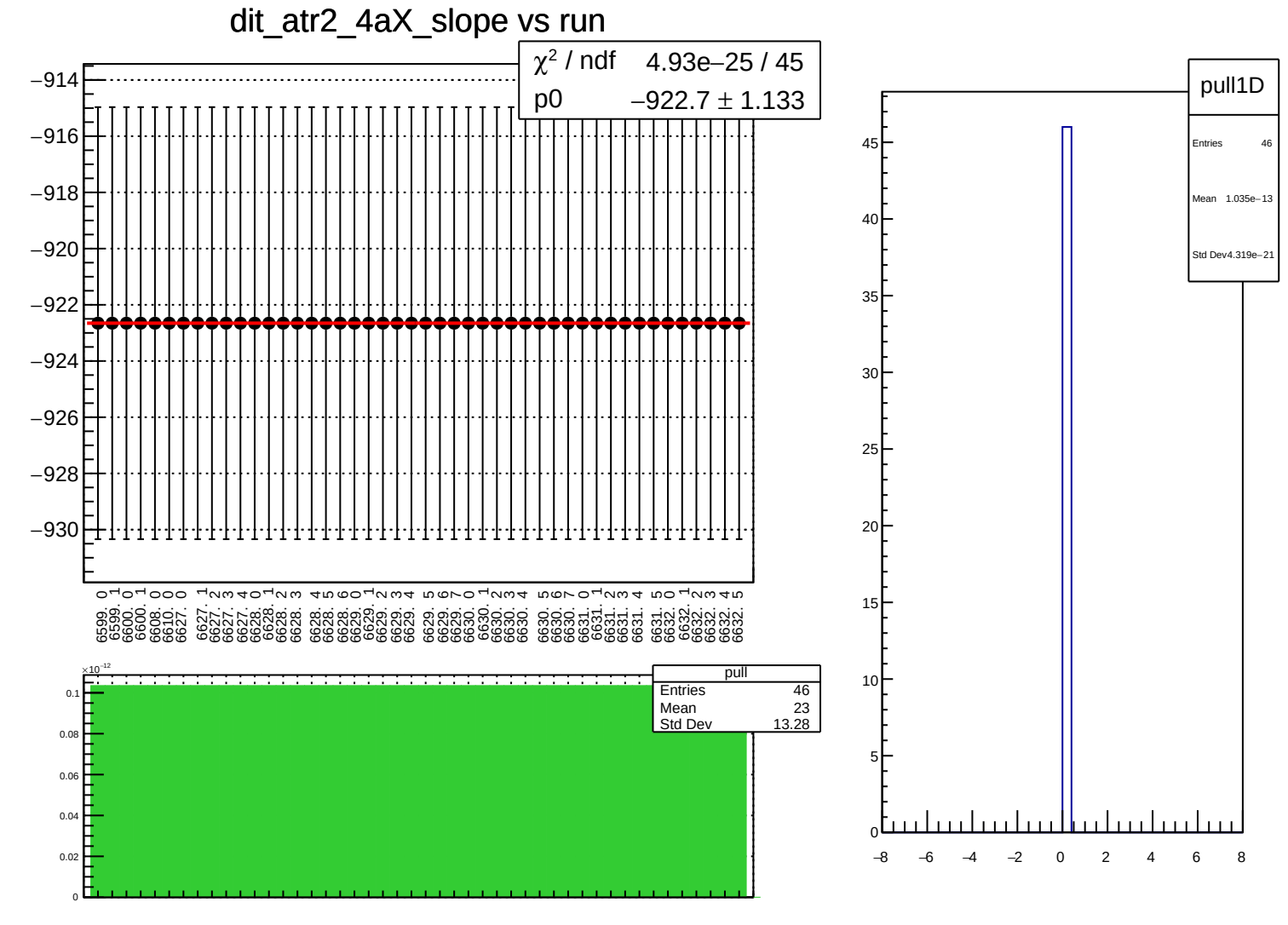
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 9.048e−15
Std Dev1.059e−22


dit_atr2_4aX_slope vs run
χ² / ndf 4.93e−25 / 45
p0 −922.7 ± 1.133
−914
−916
−918
−920
−922
−924
−926
−928
−930
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
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6627. 2
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6628. 6
6629. 0
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6629. 6
6629. 7
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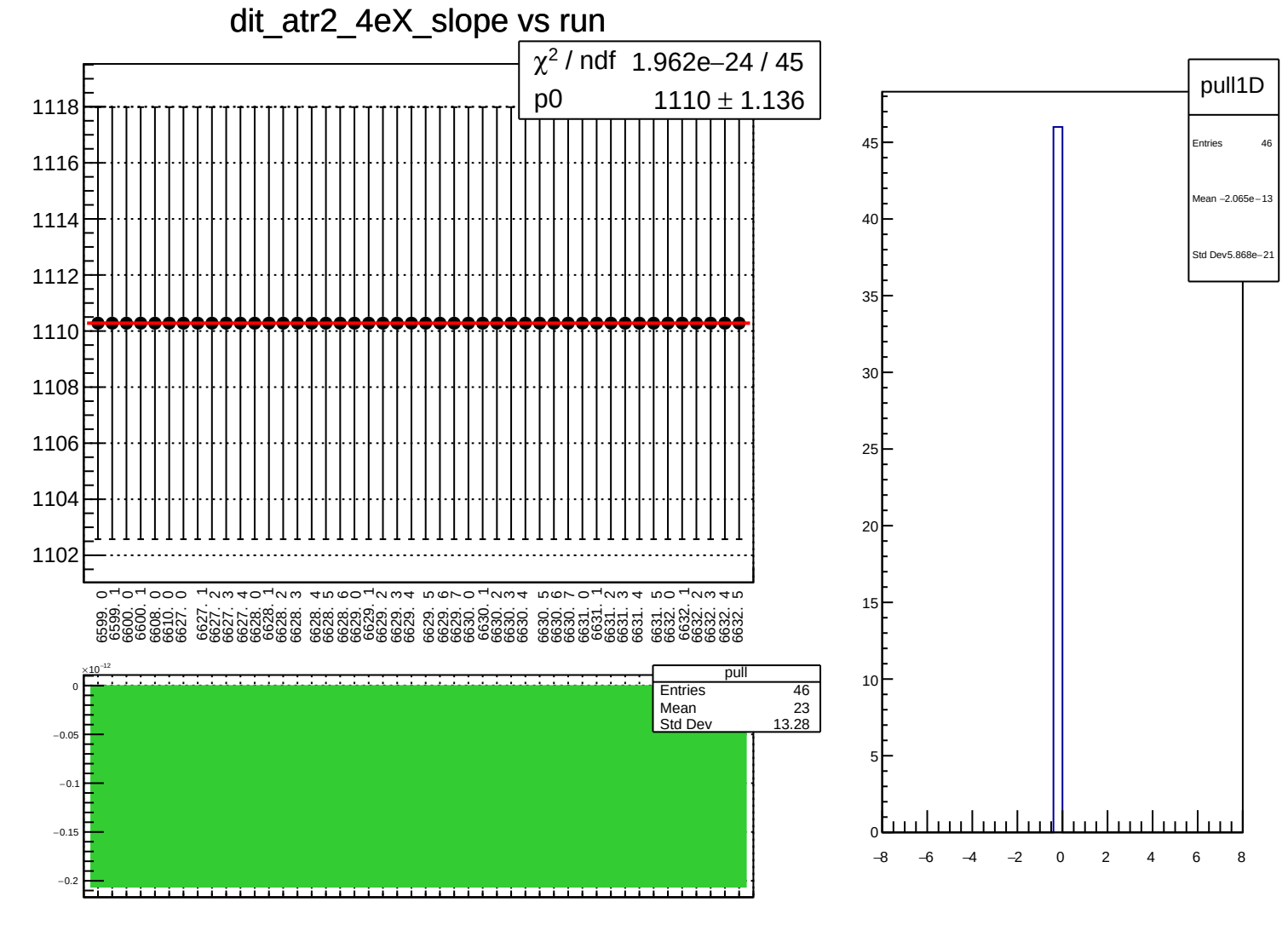
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.035e−13
Std Dev4.319e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_4eX_slope vs run
χ² / ndf 1.962e−24 / 45
p0 1110 ± 1.136
1118
1116
1114
1112
1110
1108
1106
1104
1102
6599. 0
6599. 1
6600. 0
6600. 1
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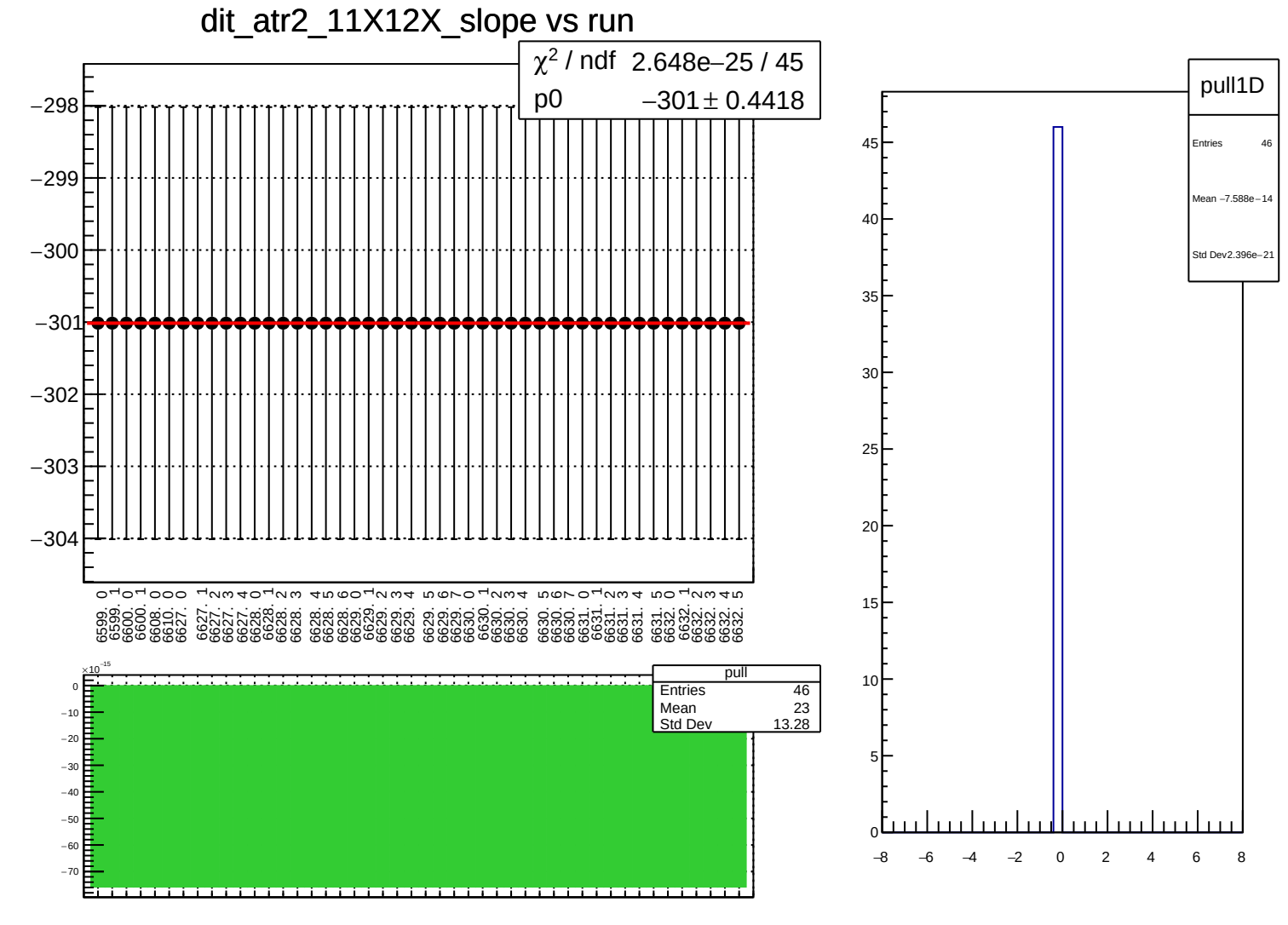
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.065e−13
Std Dev5.868e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_11X12X_slope vs run
χ² / ndf 2.648e−25 / 45
p0 −301 ± 0.4418
−298
−299
−300
−301
−302
−303
−304
6599. 0
6599. 1
6600. 0
6600. 1
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6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −7.588e−14
Std Dev2.396e−21
45
40
35
30
25
20
15
10
5
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2
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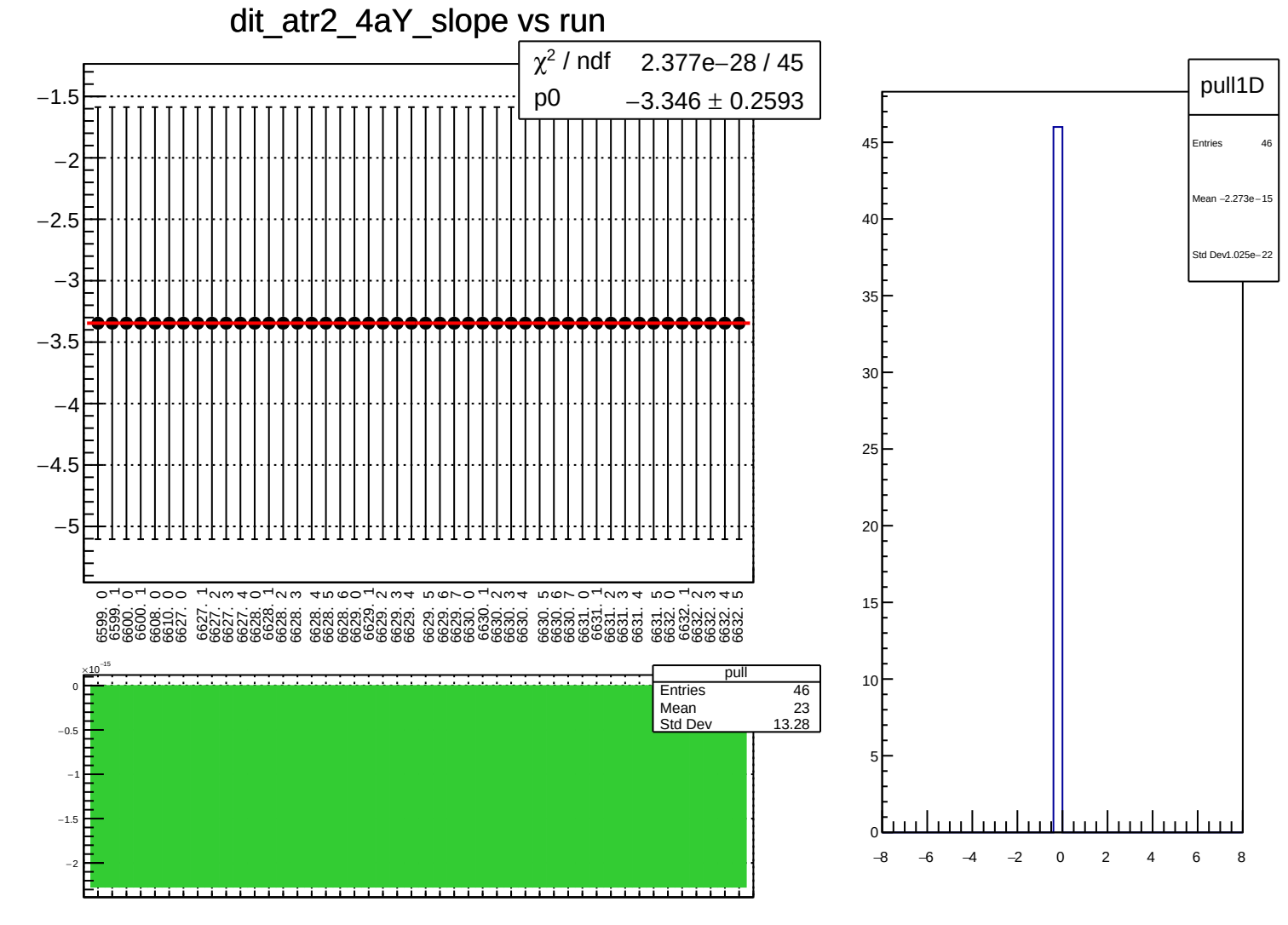
6
8


dit_atr2_4aY_slope vs run
χ² / ndf 2.377e−28 / 45
p0 −3.346 ± 0.2593
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
−5
6599. 0
6599. 1
6600. 0
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6629. 7
6630. 0
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6631. 0
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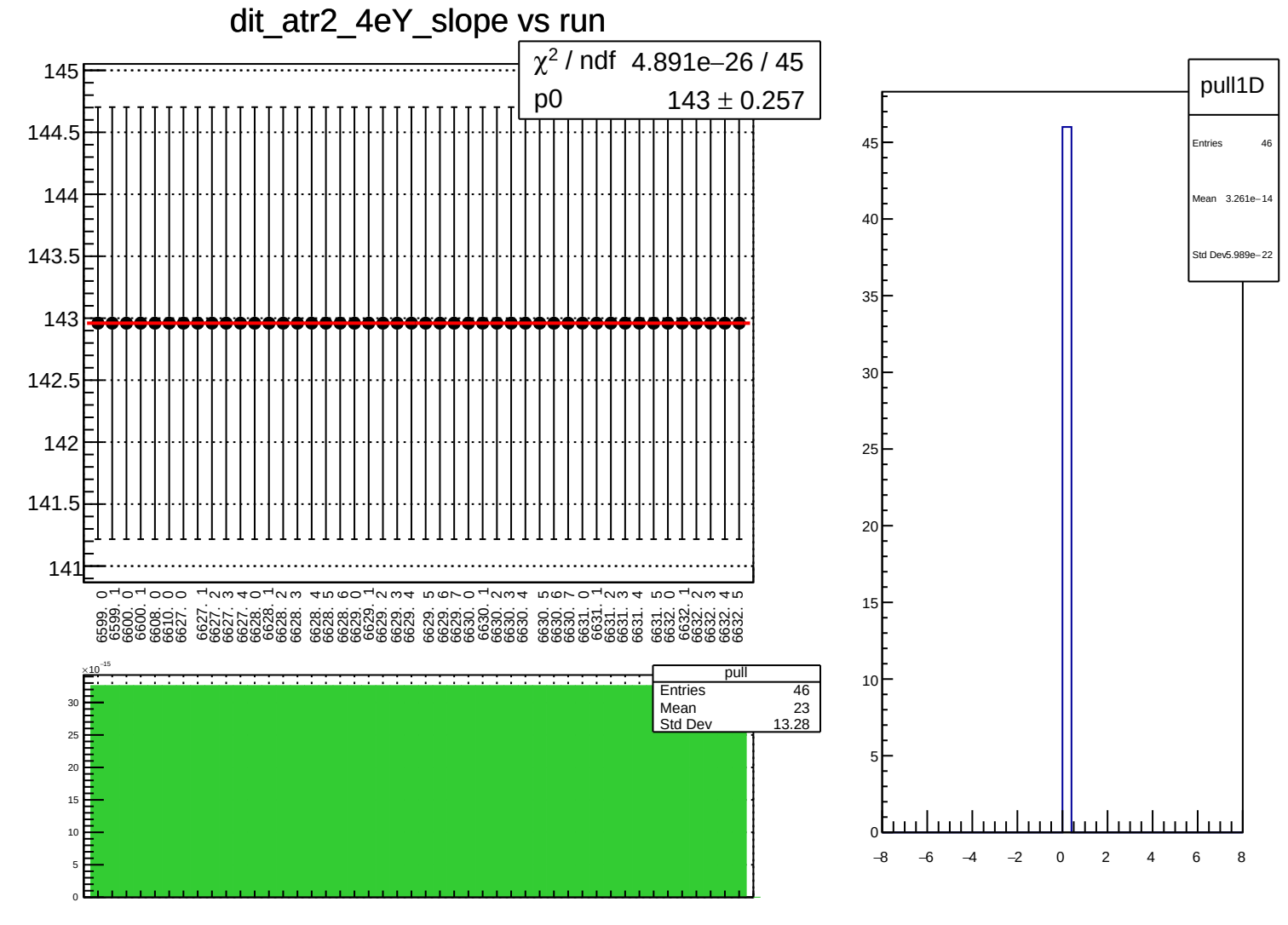
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.273e−15
Std Dev1.025e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_4eY_slope vs run
χ² / ndf 4.891e−26 / 45
p0 143 ± 0.257
145
144.5
144
143.5
143
142.5
142
141.5
141
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
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6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 3.261e−14
Std Dev 5.989e−22
45
40
35
30
25
20
15
10
5
0
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−6
−4
−2
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2
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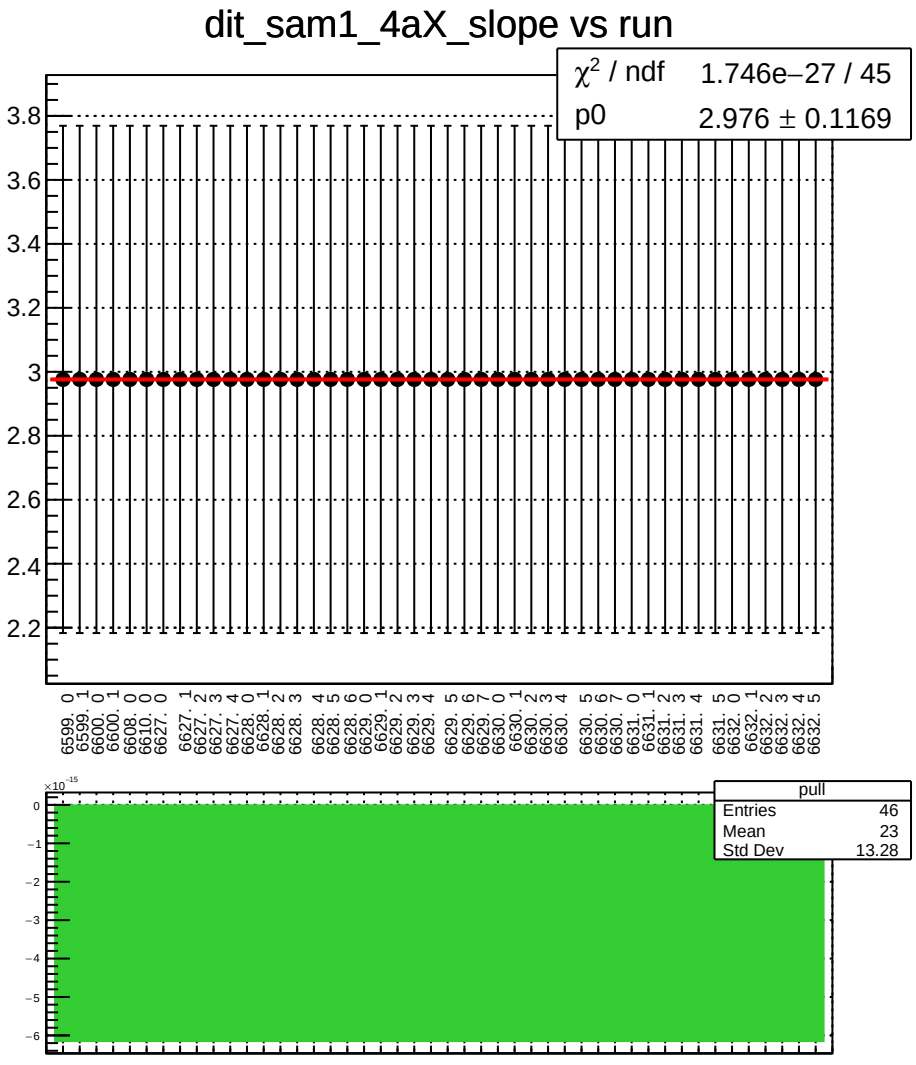
6
8


dit_sam1_4aX_slope vs run
χ^2 / ndf 1.746e−27 / 45
p0 2.976 ± 0.1169
3.8
3.6
3.4
3.2
3
2.8
2.6
2.4
2.2
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
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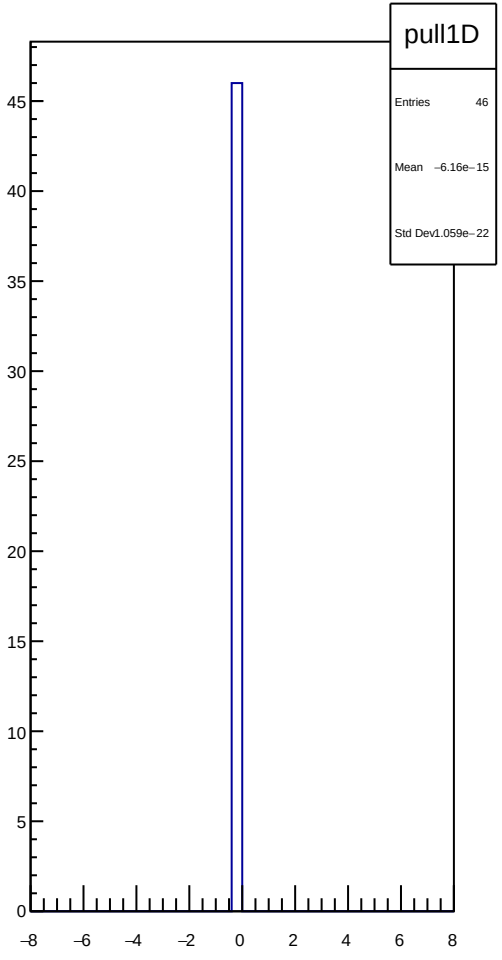
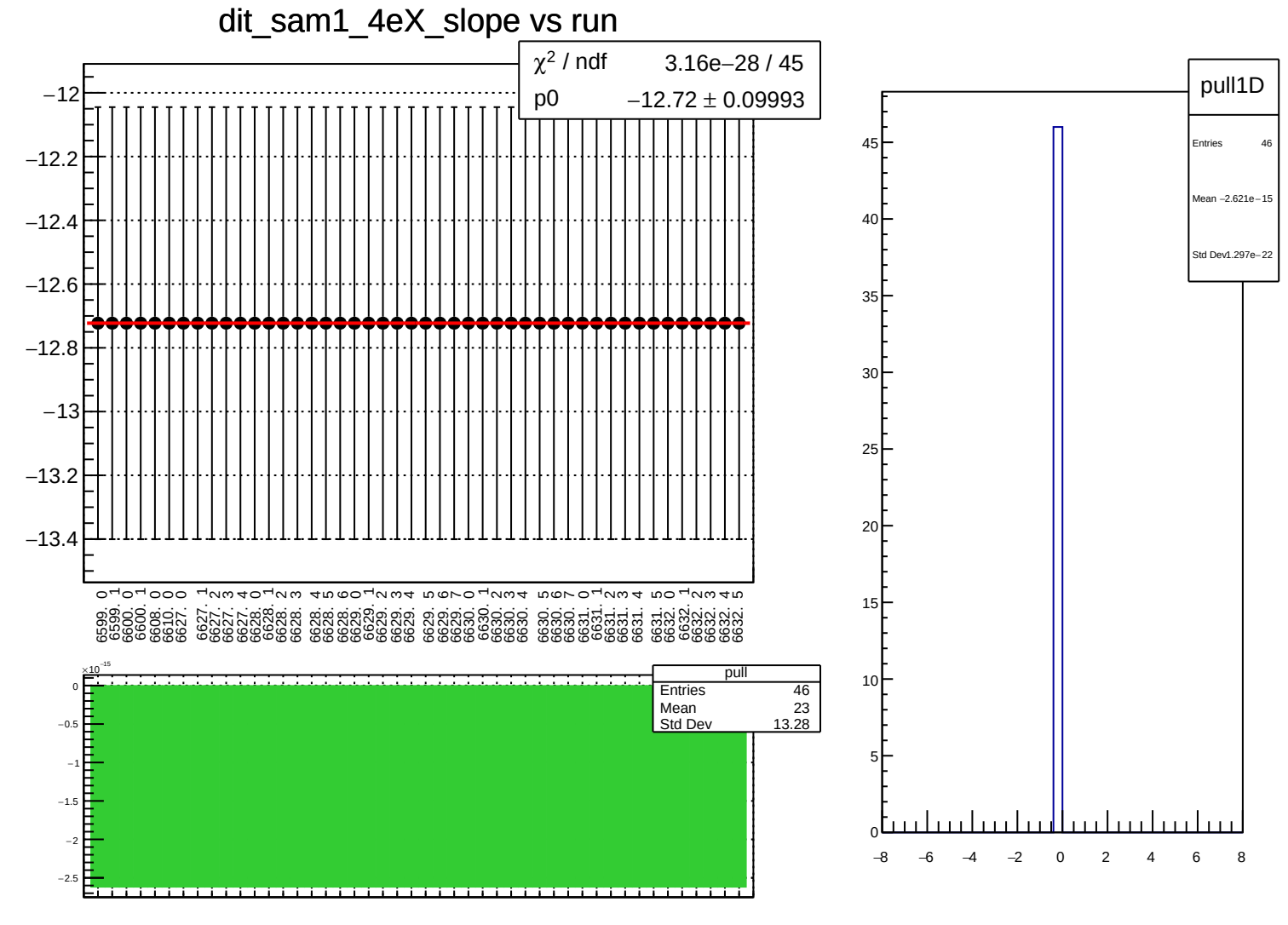
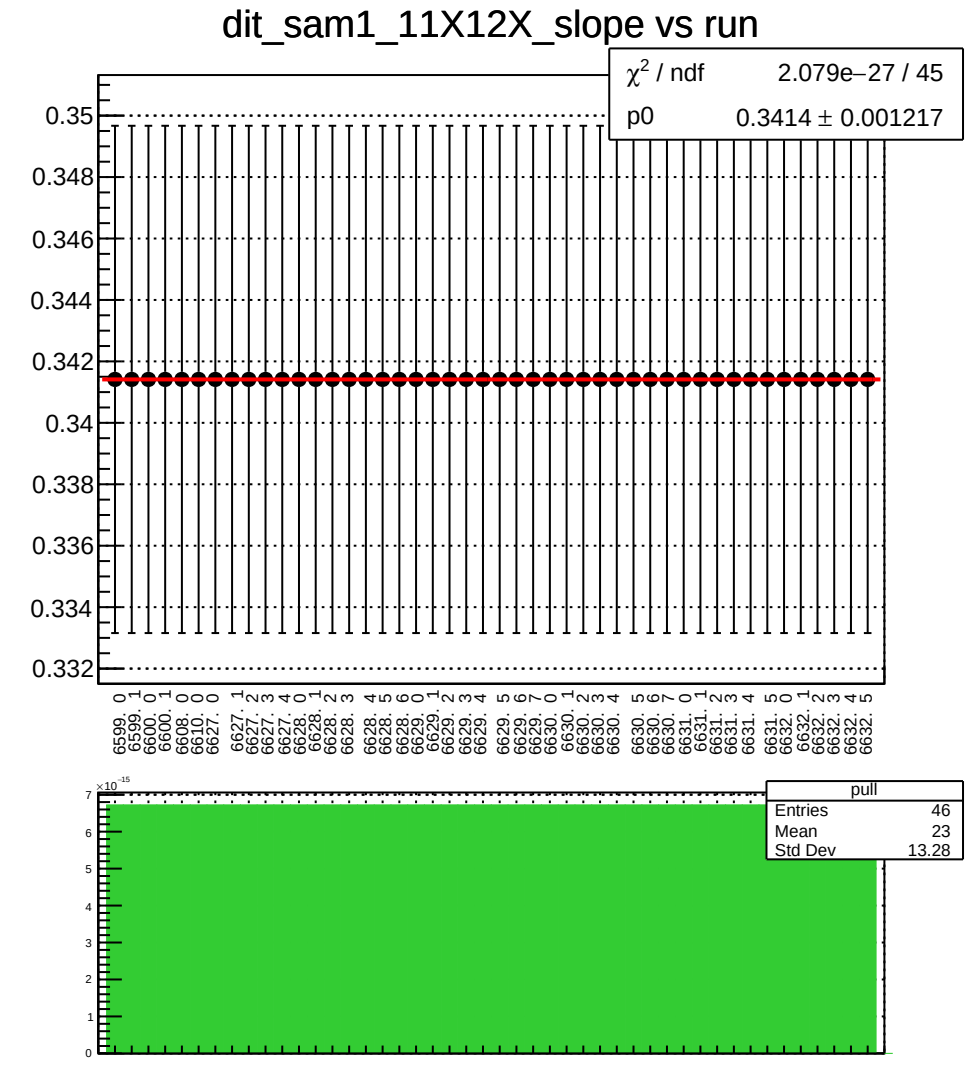
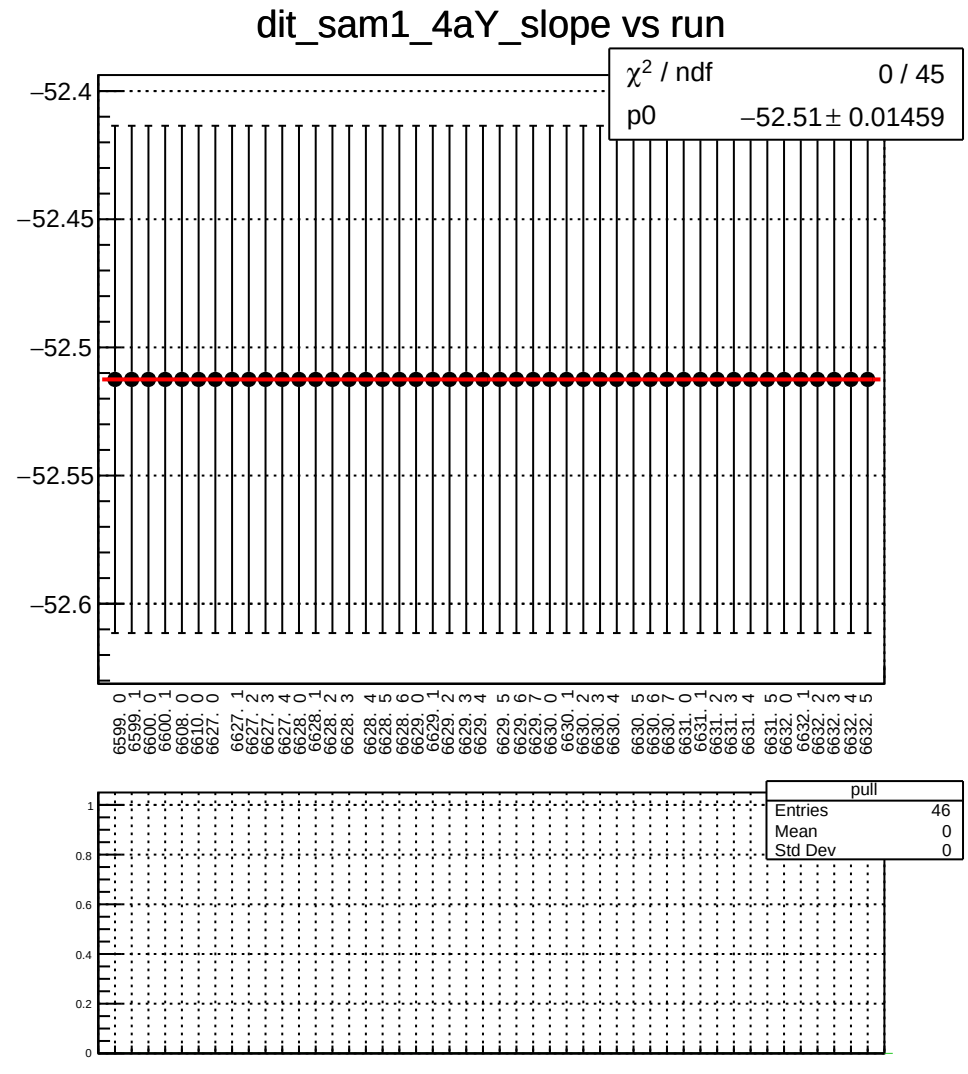
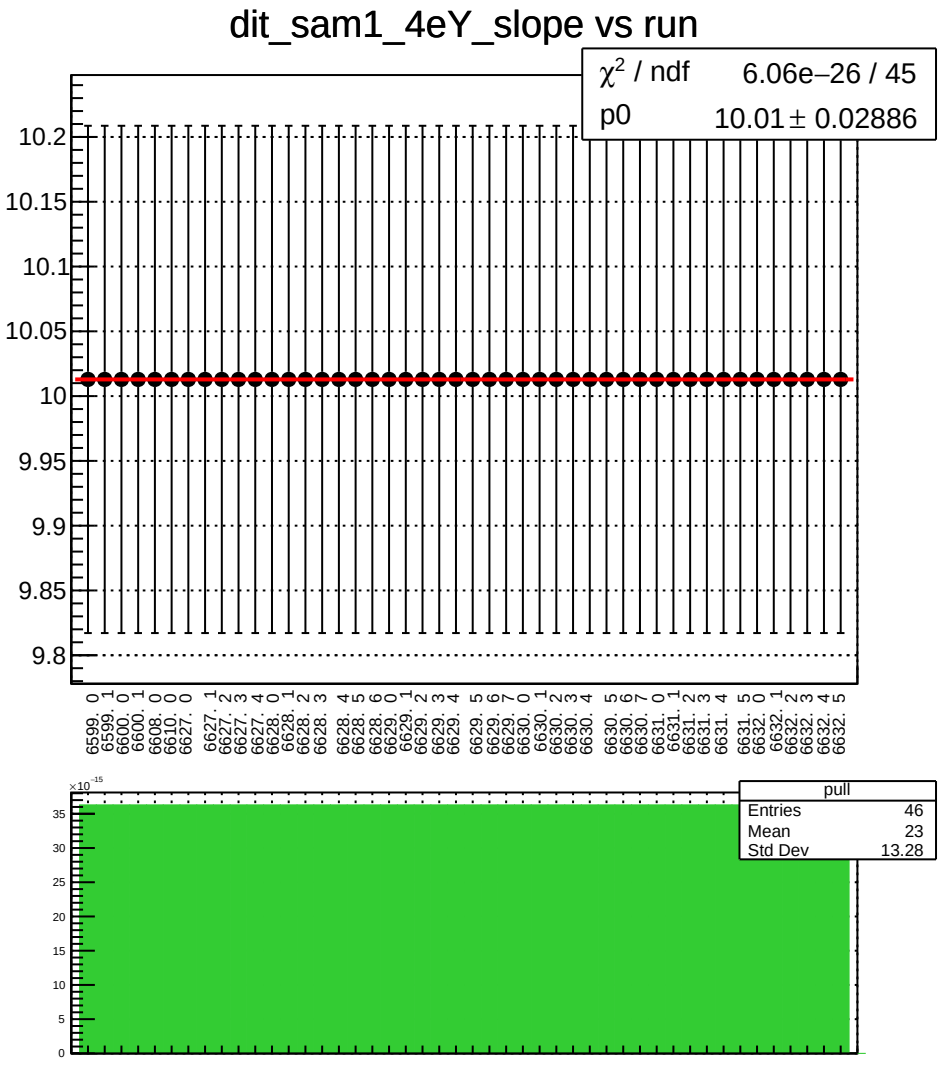
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
0
−1
−2
−3
−4
−5
−6
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean −6.16e−15
Std Dev1.059e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_4eX_slope vs run
χ² / ndf 3.16e−28 / 45
p0 −12.72 ± 0.09993
−12
−12.2
−12.4
−12.6
−12.8
−13
−13.2
−13.4
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.621e−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_sam1_11X12X_slope vs run
χ² / ndf 2.079e−27 / 45
p0 0.3414 ± 0.001217
0.35
0.348
0.346
0.344
0.342
0.34
0.338
0.336
0.334
0.332
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
7
6
5
4
3
2
1
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 6.723e−15
Std Dev7.487e−23
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 / 45
p0 −52.51 ± 0.01459
−52.4
−52.45
−52.5
−52.55
−52.6
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 46
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 6.06e−26 / 45
p0 10.01 ± 0.02886
10.2
10.15
10.1
10.05
10
9.95
9.9
9.85
9.8
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
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6627. 3
6627. 4
6628. 0
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6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
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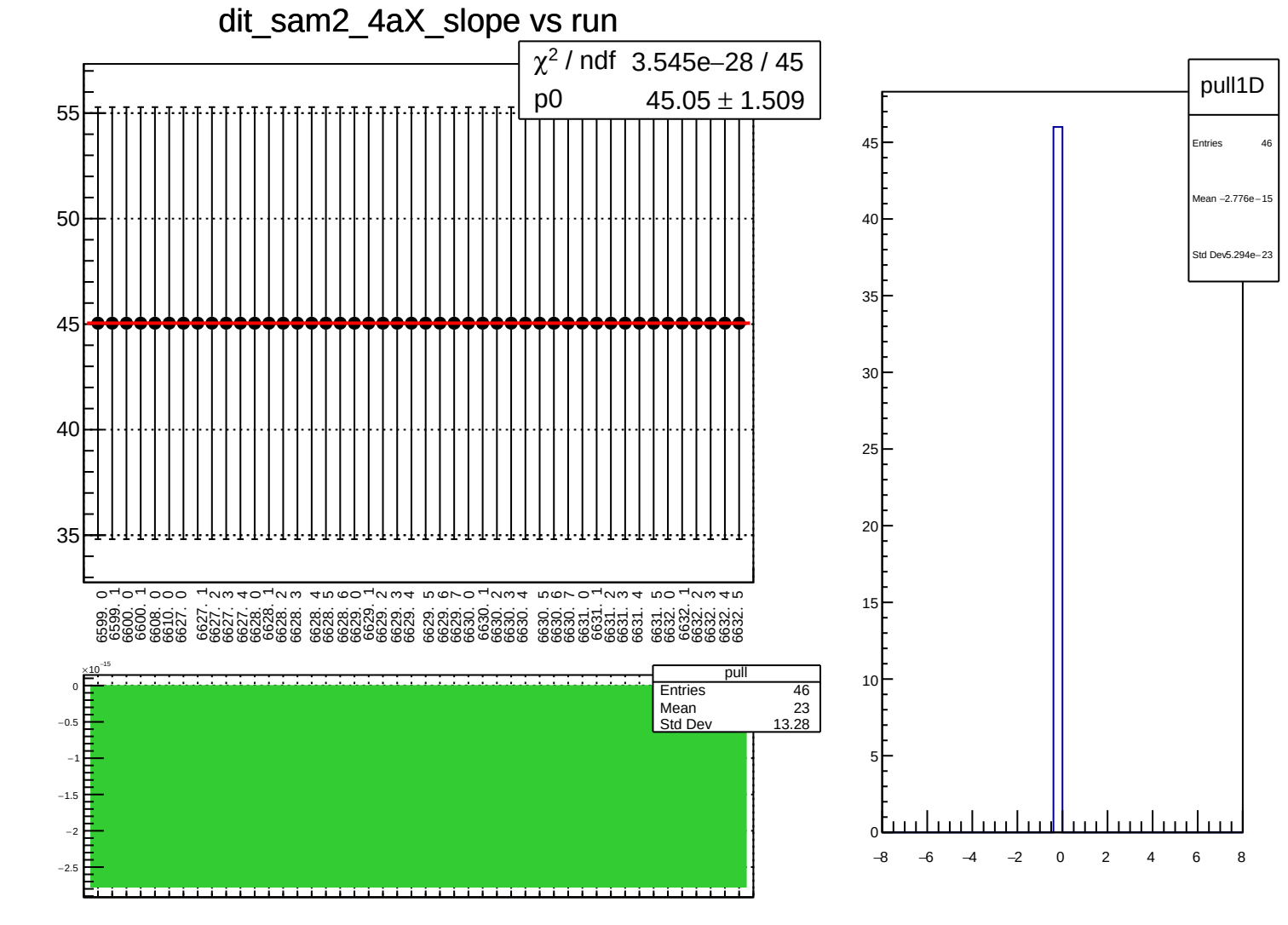
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻±⁵
35
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 3.63e−14
Std Dev 1.797e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_4aX_slope vs run
χ² / ndf 3.545e−28 / 45
p0 45.05 ± 1.509
55
50
45
40
35
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
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6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
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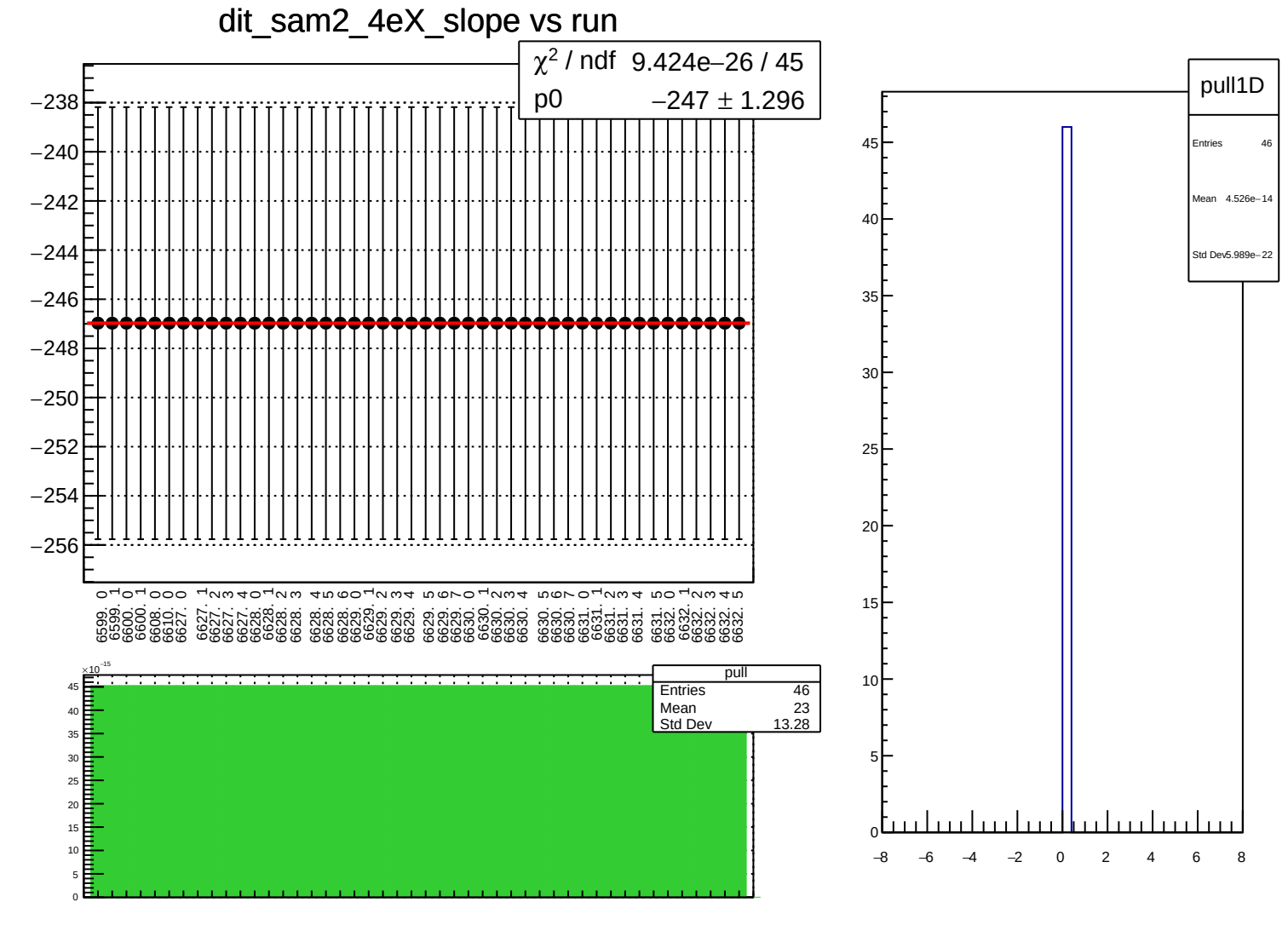
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.776e−15
Std Dev5.294e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_4eX_slope vs run
χ² / ndf 9.424e−26 / 45
p0 −247 ± 1.296
−238
−240
−242
−244
−246
−248
−250
−252
−254
−256
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
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6628. 3
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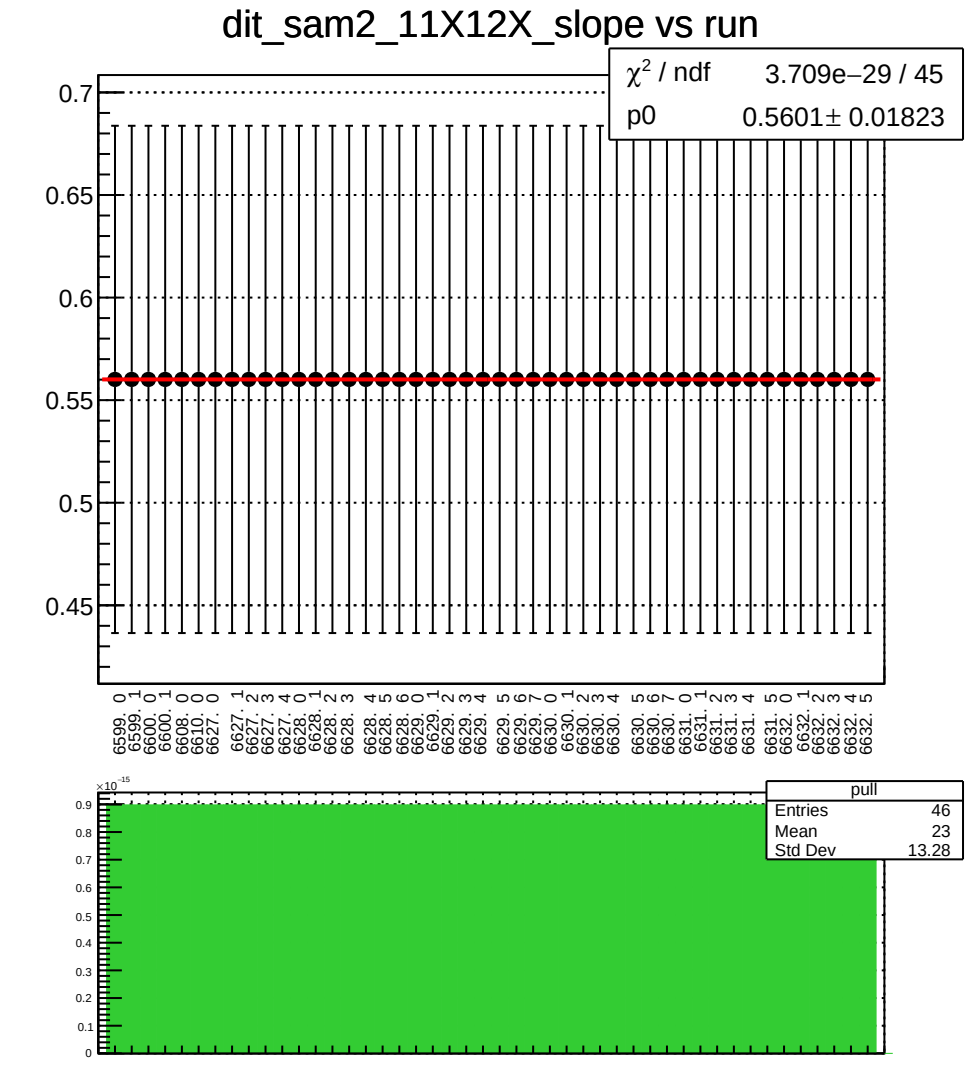
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 4.526e−14
Std Dev 5.989e−22
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 3.709e−29 / 45
p0 0.5601± 0.01823
0.7
0.65
0.6
0.55
0.5
0.45
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
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6627. 1
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6627. 3
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6628. 0
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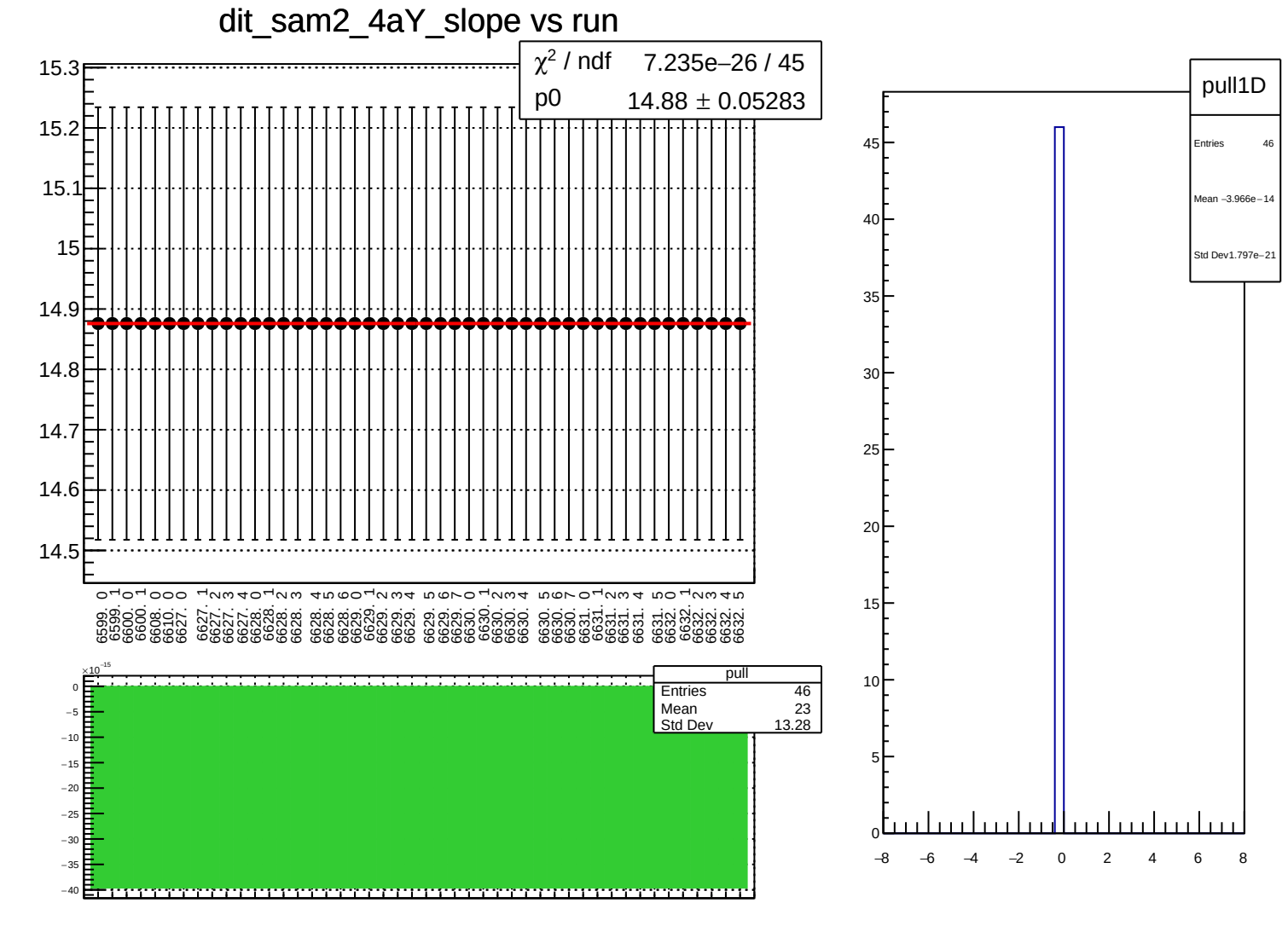
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 8.98e−16
Std Dev 2.959e−23


dit_sam2_4aY_slope vs run
χ² / ndf 7.235e−26 / 45
p0 14.88 ± 0.05283
15.3
15.2
15.1
15
14.9
14.8
14.7
14.6
14.5
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
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6628. 2
6628. 3
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6628. 5
6628. 6
6629. 0
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6629. 2
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6629. 4
6629. 5
6629. 6
6629. 7
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6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −3.966e−14
Std Dev1.797e−21
45
40
35
30
25
20
15
10
5
0
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−4
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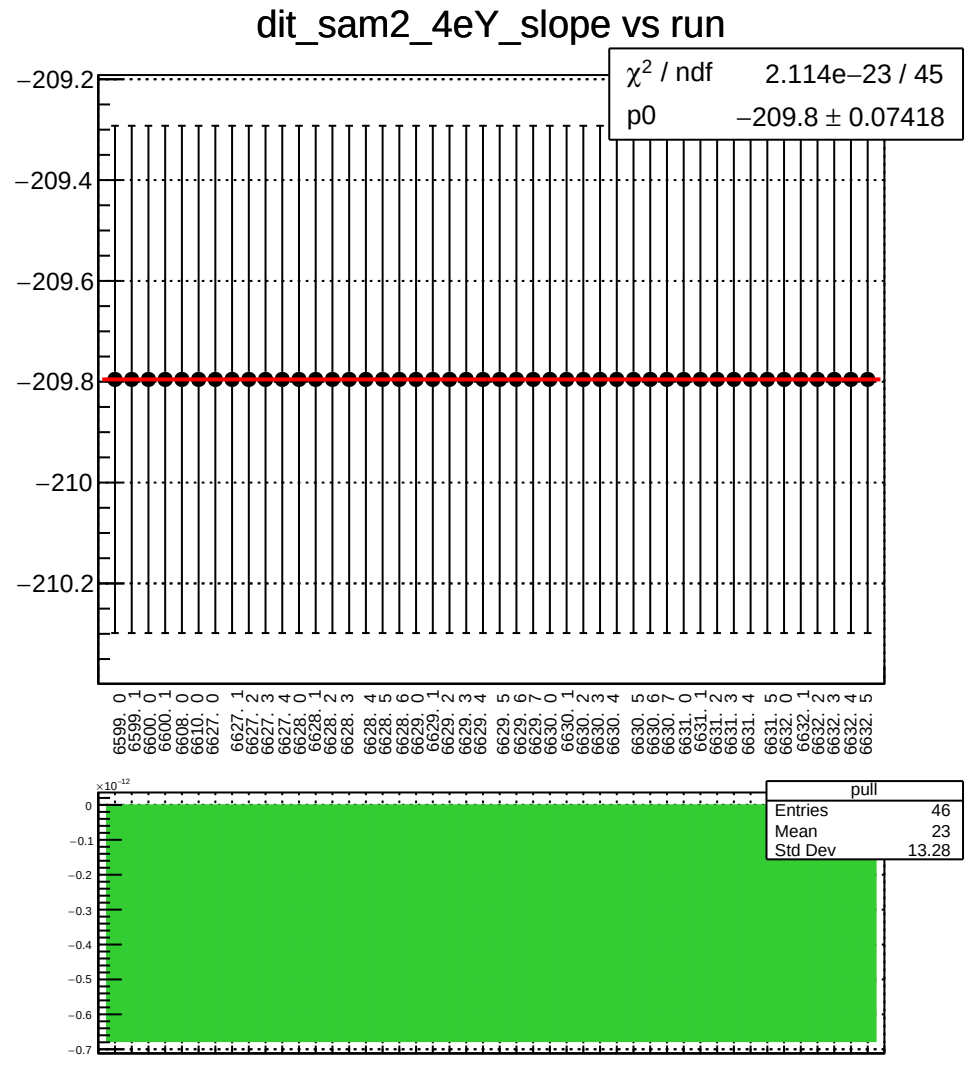
2
4
6
8


dit_sam2_4eY_slope vs run
χ² / ndf 2.114e−23 / 45
p0 −209.8 ± 0.07418
−209.2
−209.4
−209.6
−209.8
−210
−210.2
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
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6627. 3
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6628. 0
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6628. 2
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6628. 5
6628. 6
6629. 0
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6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
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6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
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6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −6.779e−13
Std Dev1.917e−20
45
40
35
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25
20
15
10
5
0
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−6
−4
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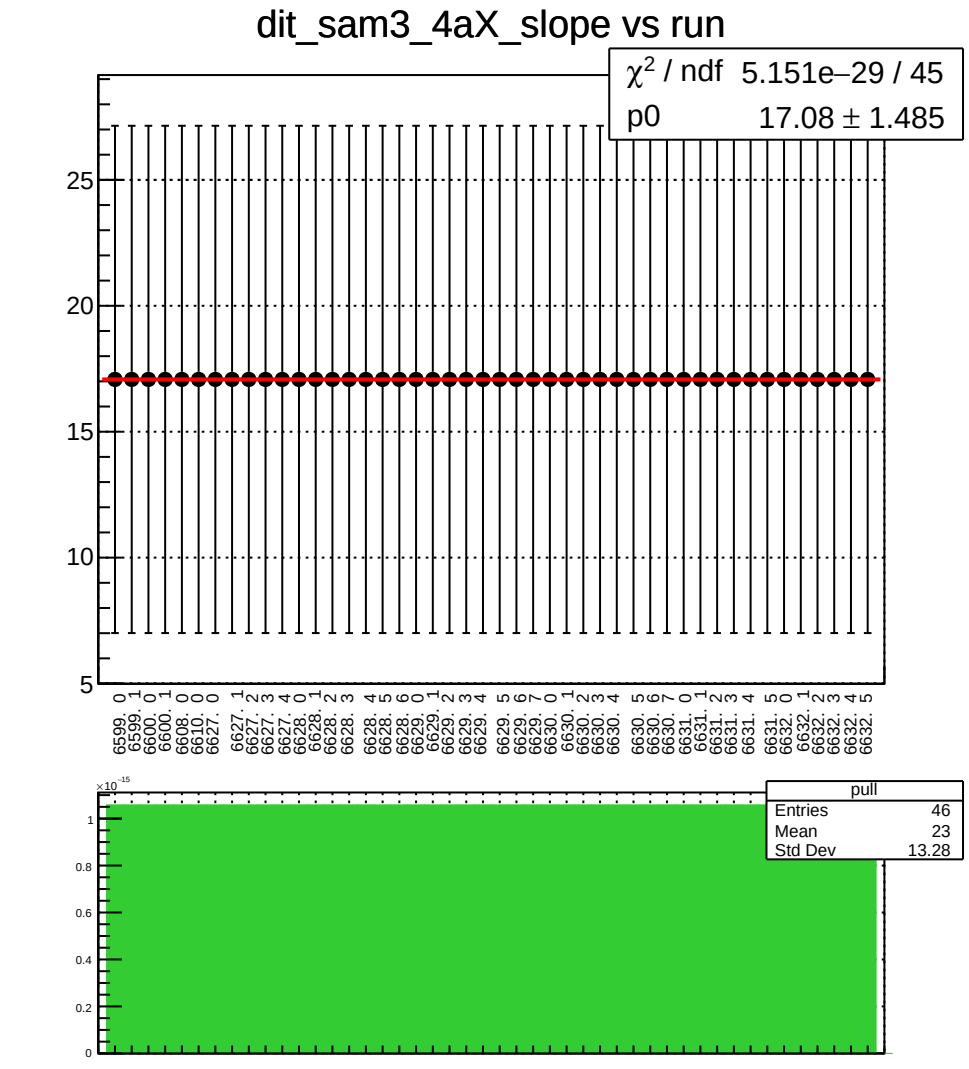
0
2
4
6
8


dit_sam3_4aX_slope vs run
χ² / ndf 5.151e−29 / 45
p0 17.08 ± 1.485
25
20
15
10
5
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
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6627. 2
6627. 3
6627. 4
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6629. 1
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6630. 5
6630. 6
6630. 7
6631. 0
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6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
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6632. 4
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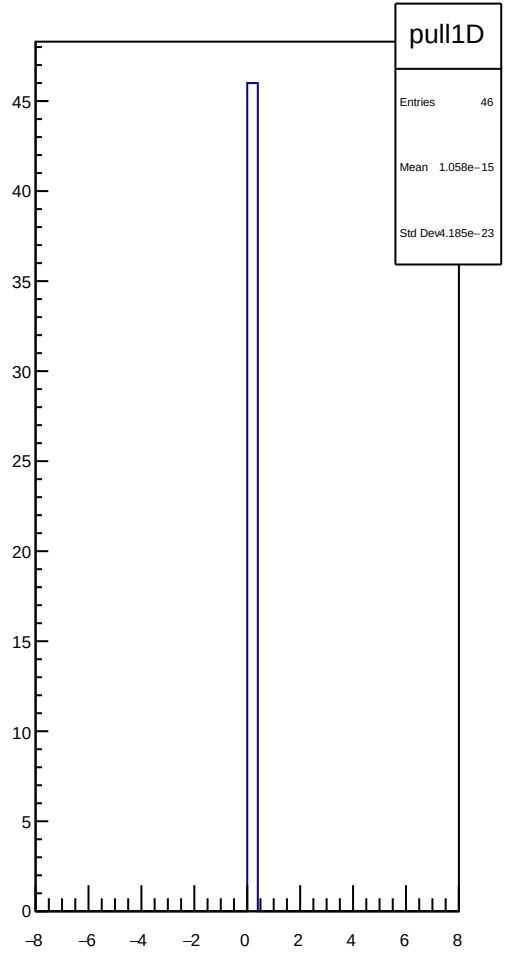
0.8
0.6
0.4
0.2
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 1.058e−15
Std Dev4.185e−23
45
40
35
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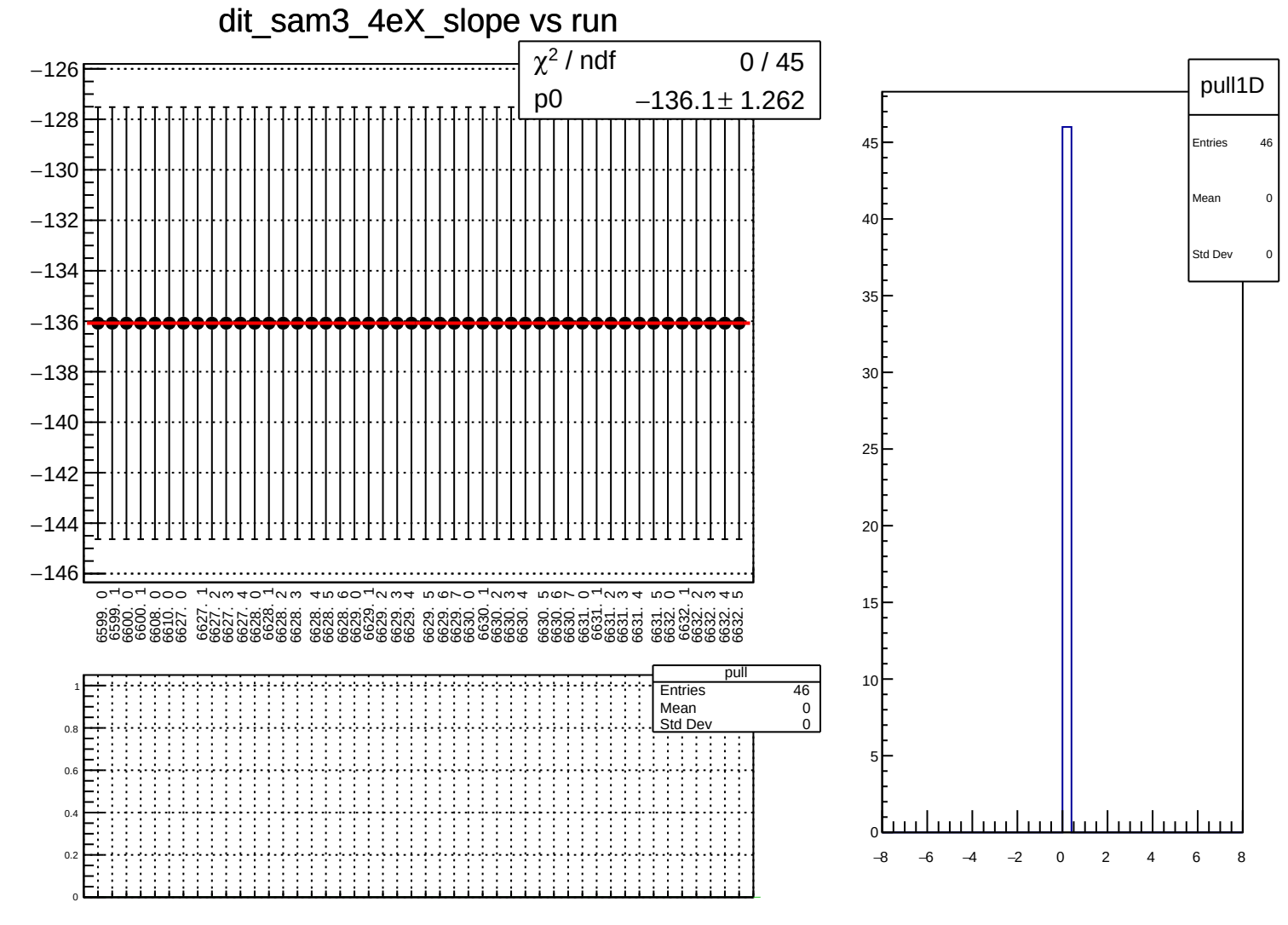
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_4eX_slope vs run
χ² / ndf 0 / 45
p0 −136.1 ± 1.262
−126
−128
−130
−132
−134
−136
−138
−140
−142
−144
−146
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
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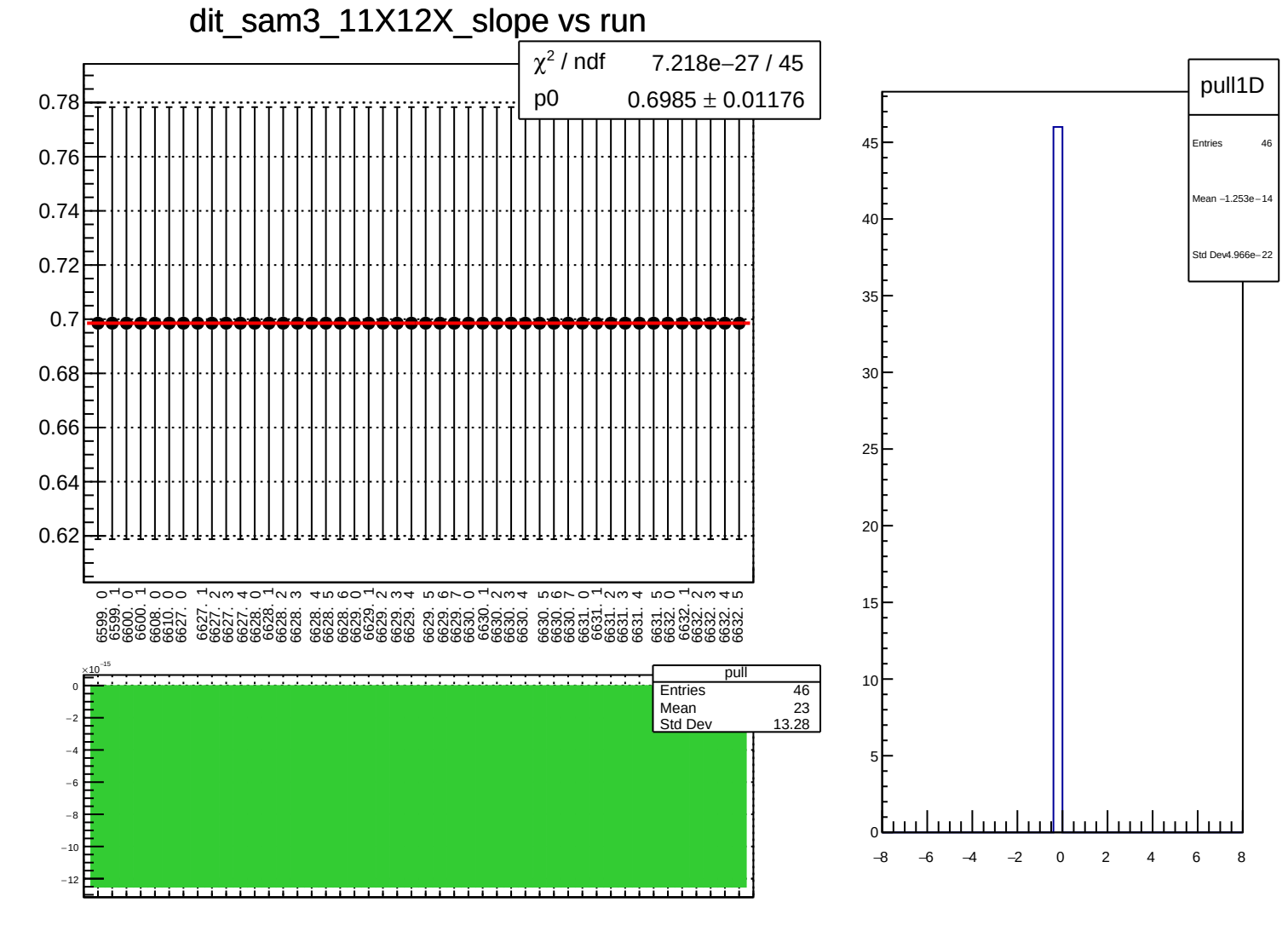
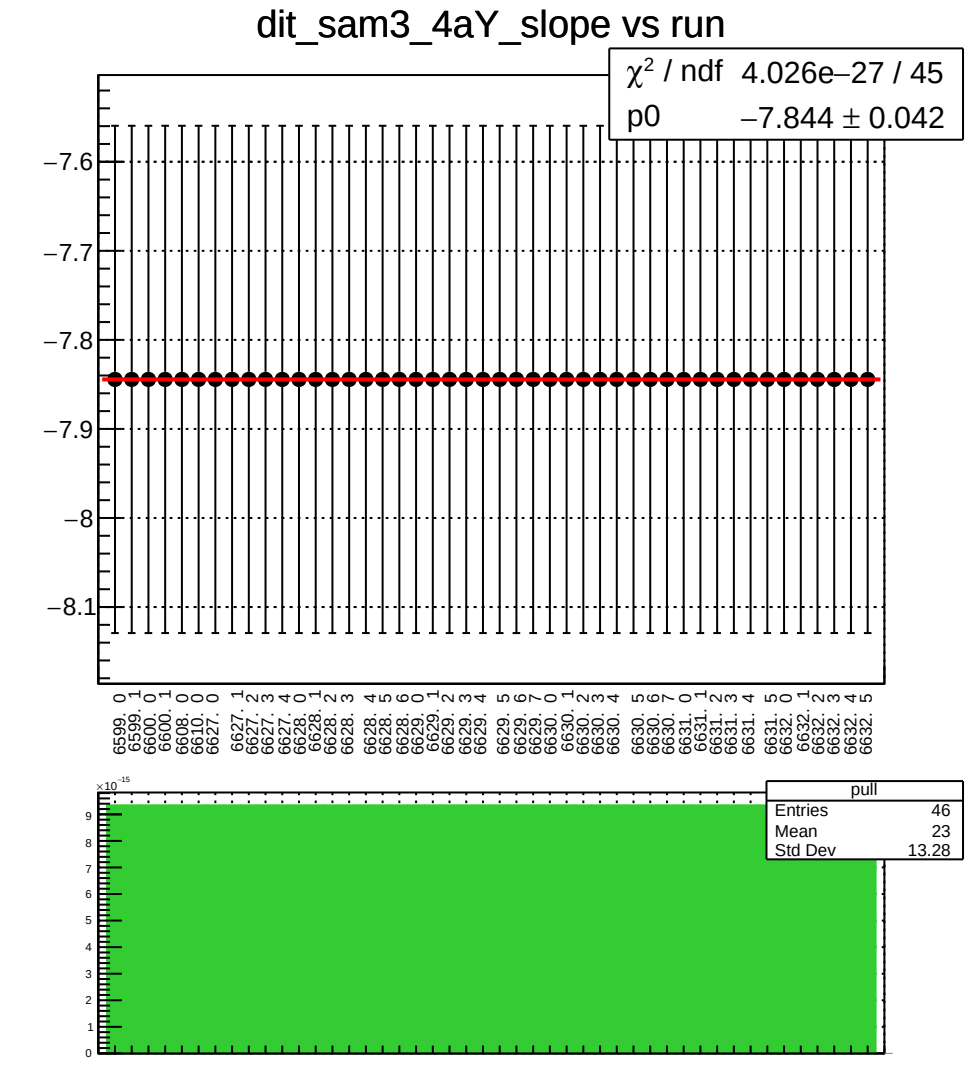
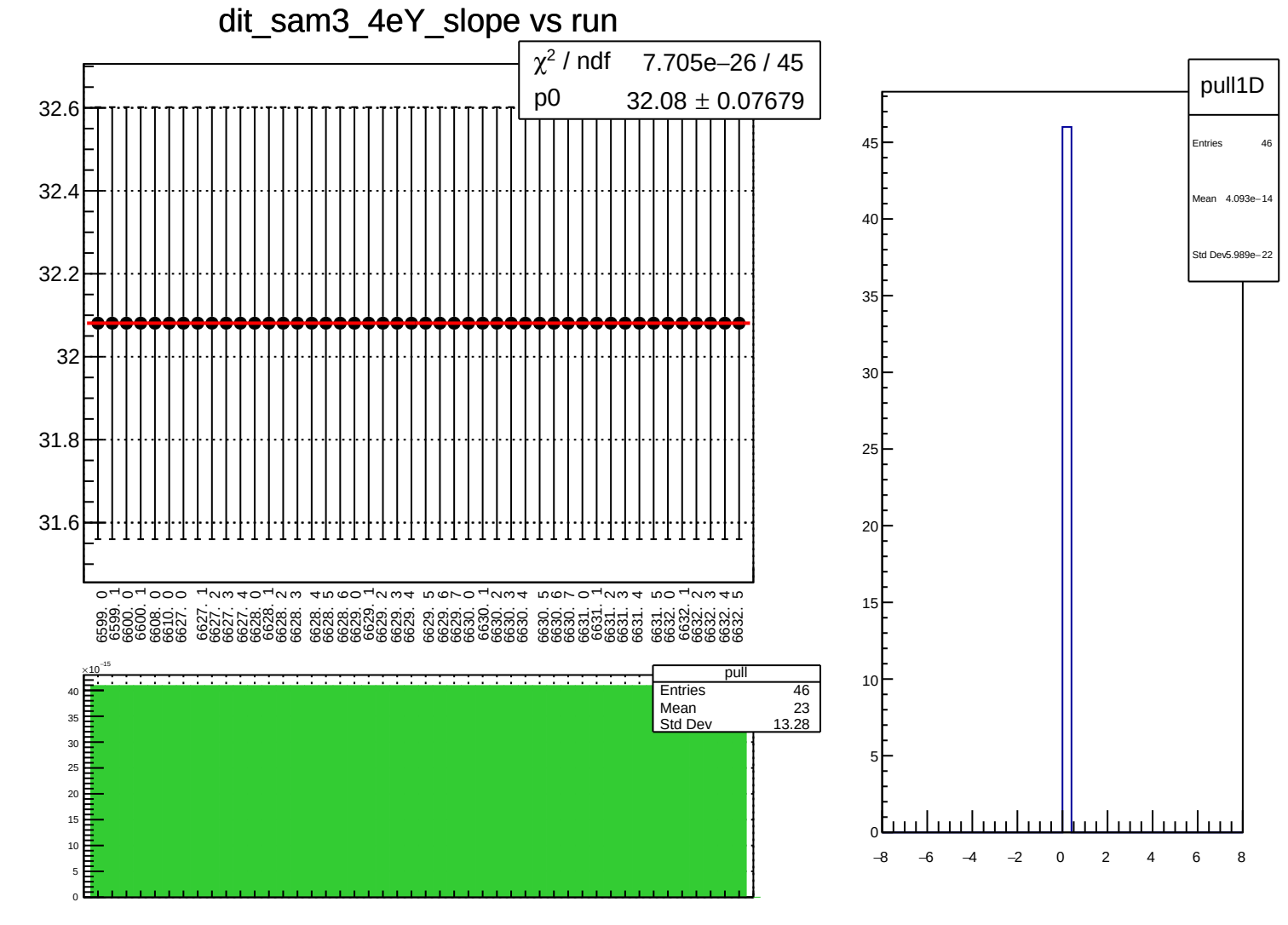
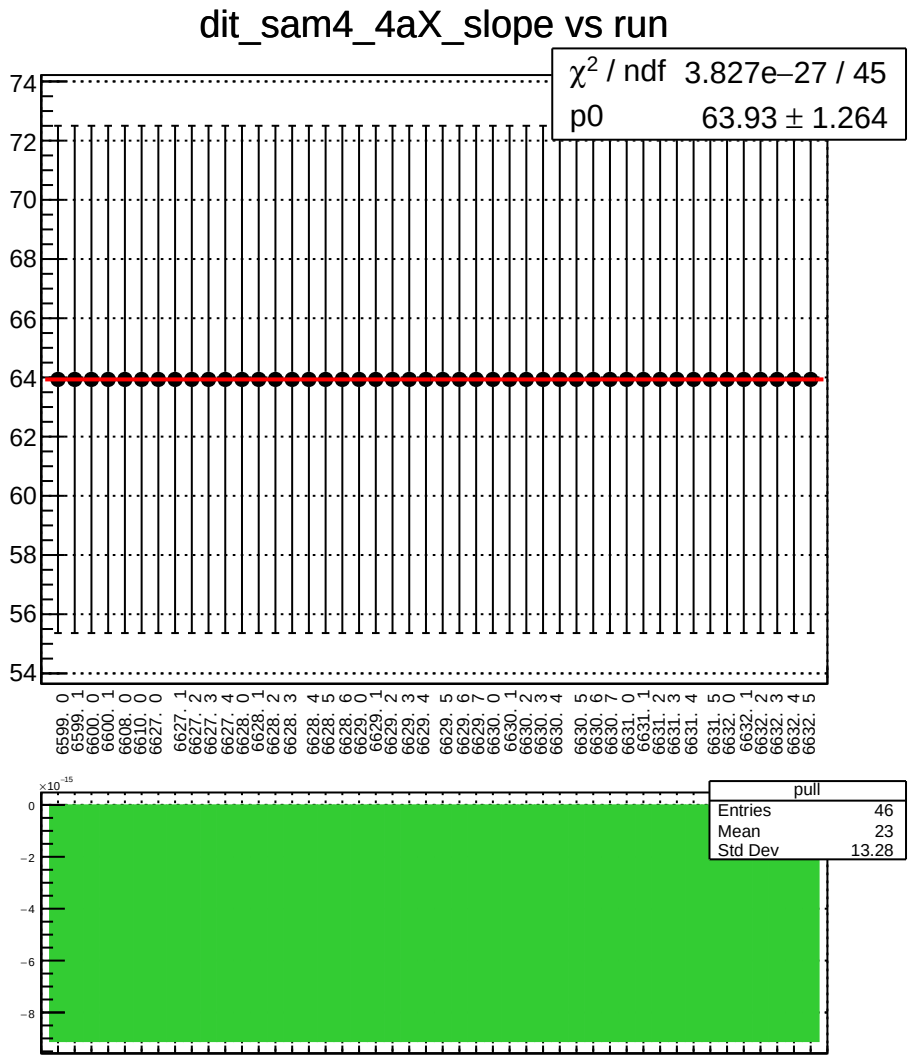
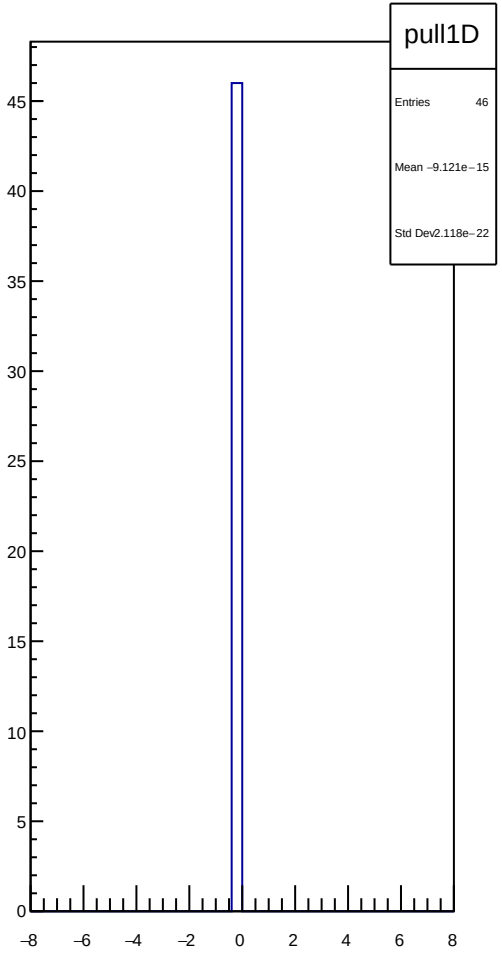
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 46
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

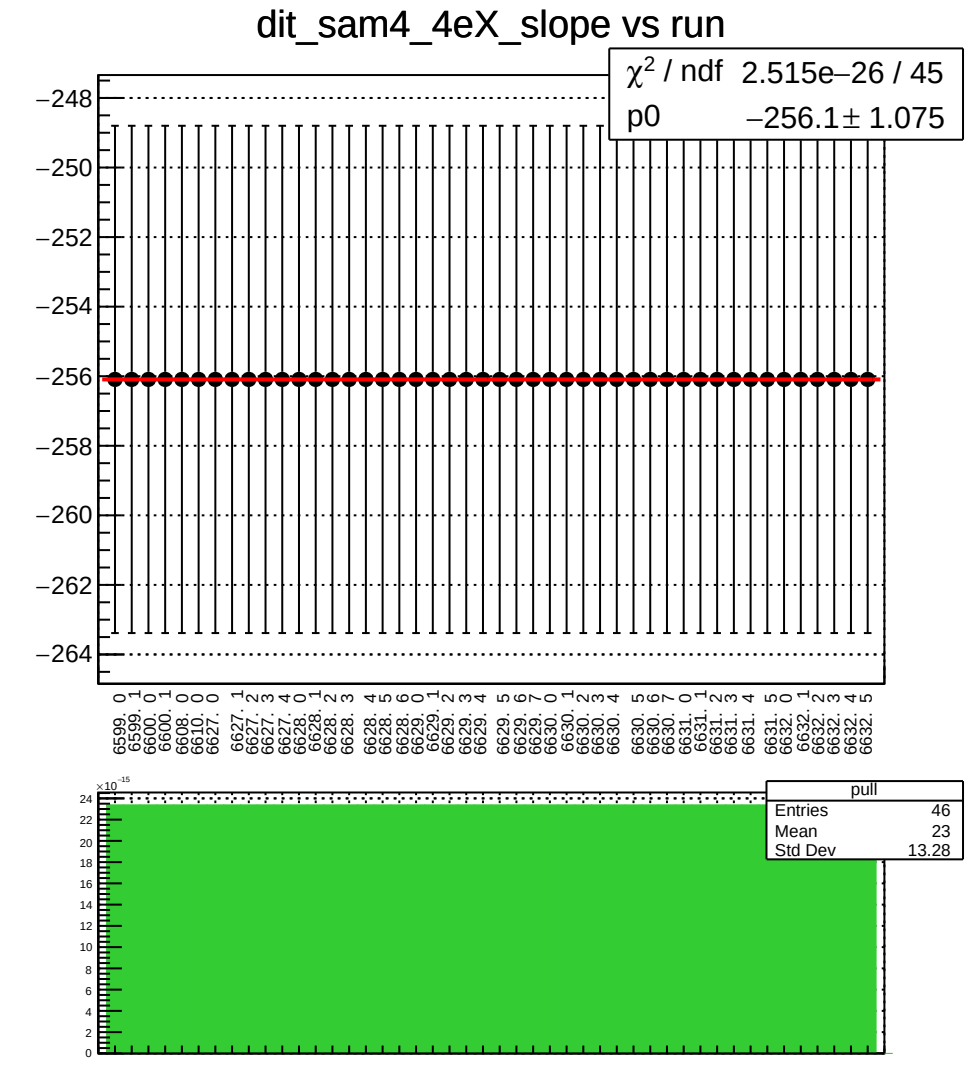

dit_sam3_11X12X_slope vs run
χ² / ndf 7.218e−27 / 45
p0 0.6985 ± 0.01176
0.78
0.76
0.74
0.72
0.7
0.68
0.66
0.64
0.62
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.253e−14
Std Dev 4.966e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

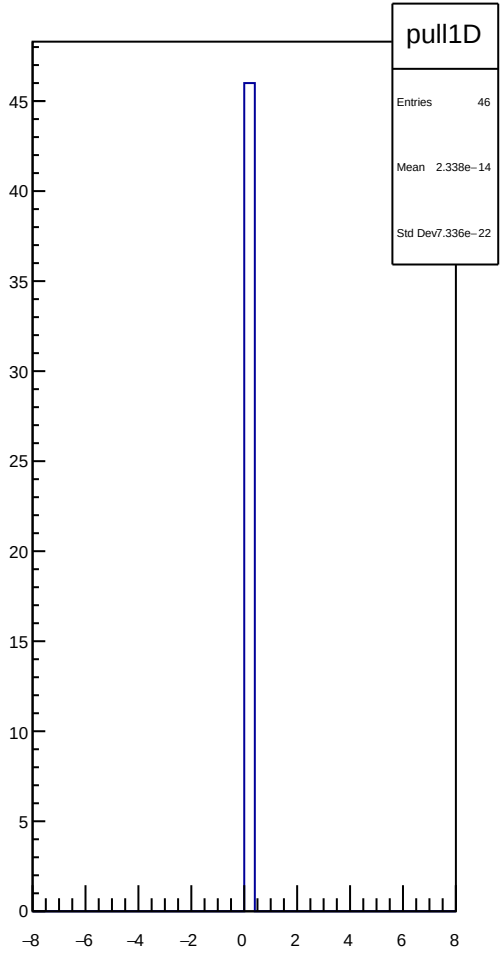

dit_sam3_4aY_slope vs run
χ² / ndf 4.026e−27 / 45
p0 −7.844 ± 0.042
−7.6
−7.7
−7.8
−7.9
−8
−8.1
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 9.355e−15
Std Dev 4.235e−22

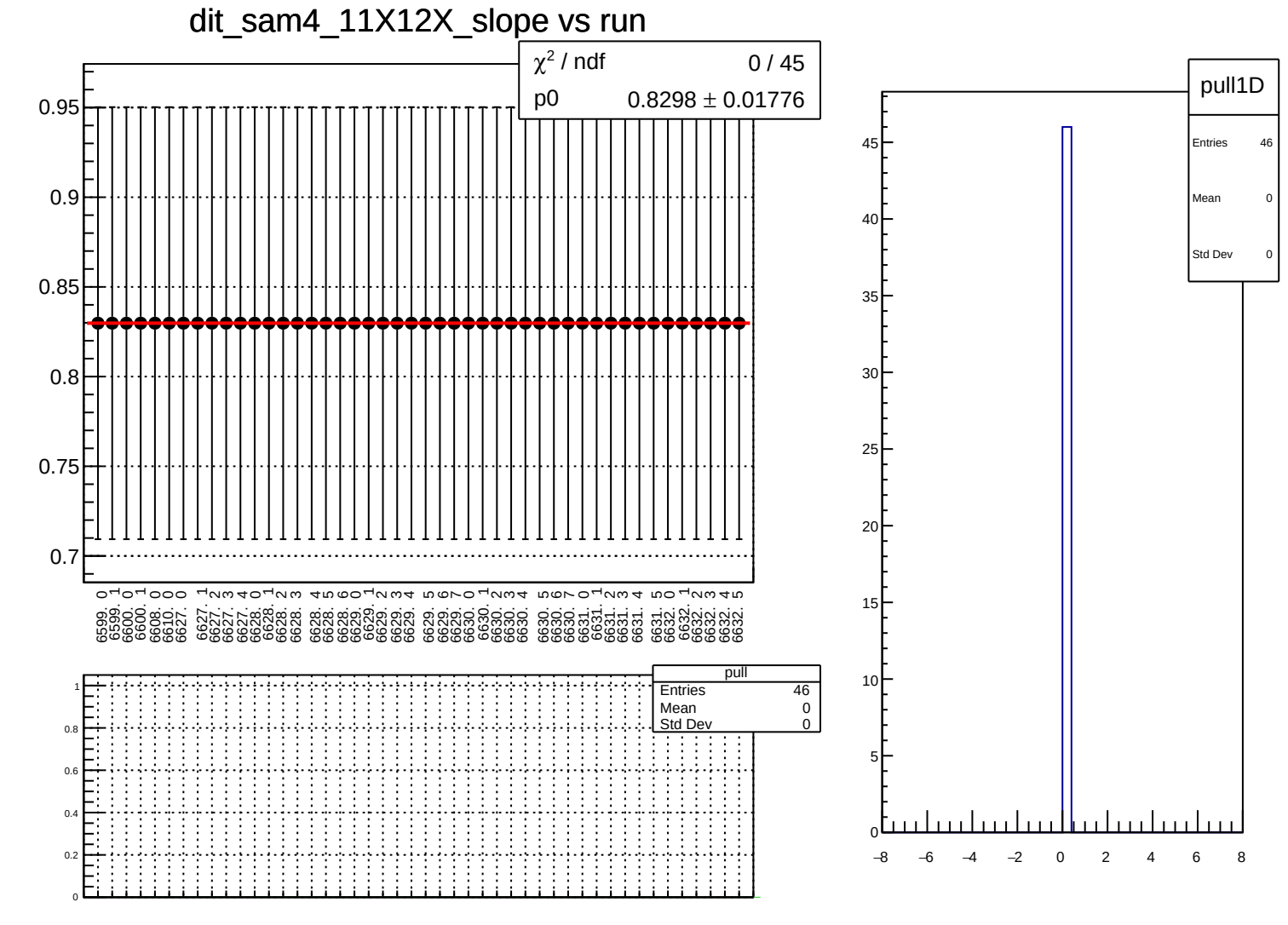

dit_sam3_4eY_slope vs run
χ² / ndf 7.705e−26 / 45
p0 32.08 ± 0.07679
32.6
32.4
32.2
32
31.8
31.6
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 4.093e−14
Std Dev 5.989e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

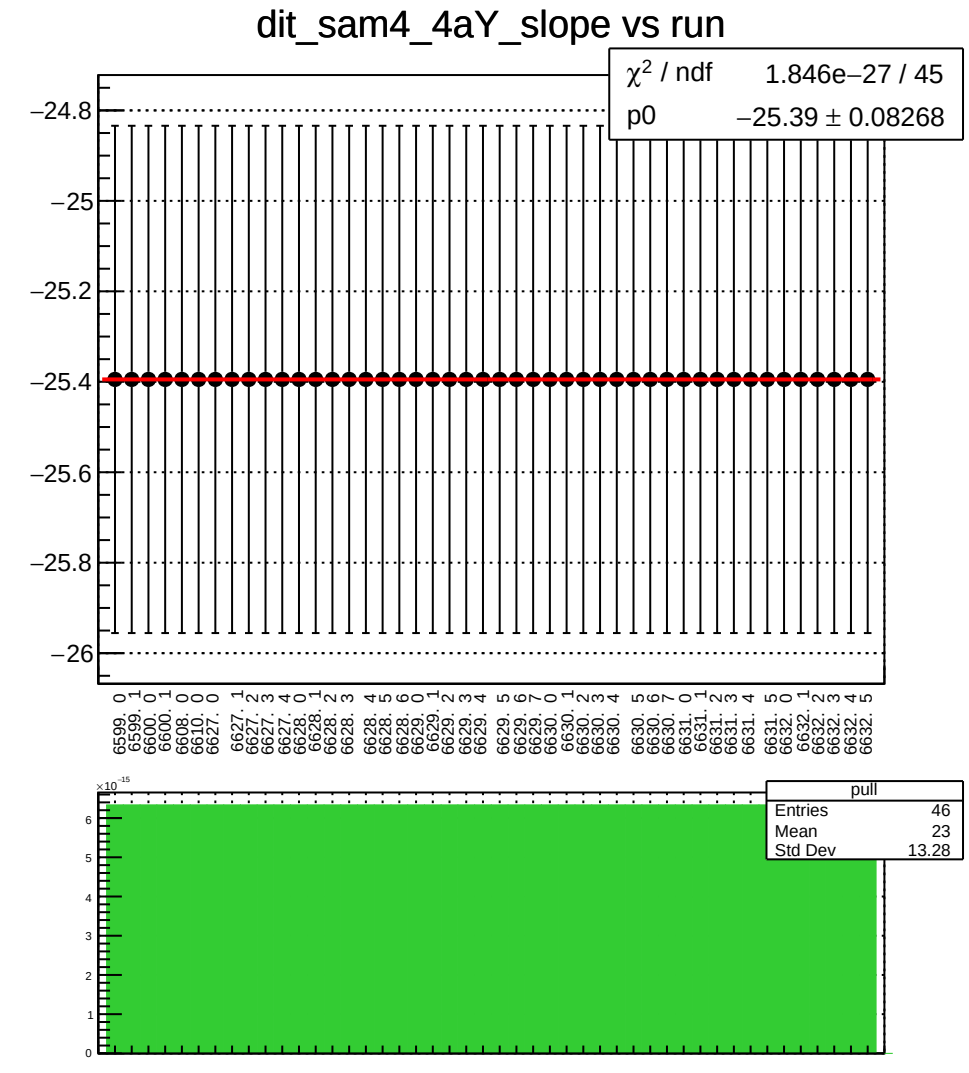

dit_sam4_4aX_slope vs run
χ^2 / ndf 3.827e−27 / 45
p0 63.93 ± 1.264
pull
Entries 46
Mean 23
Std Dev 13.28

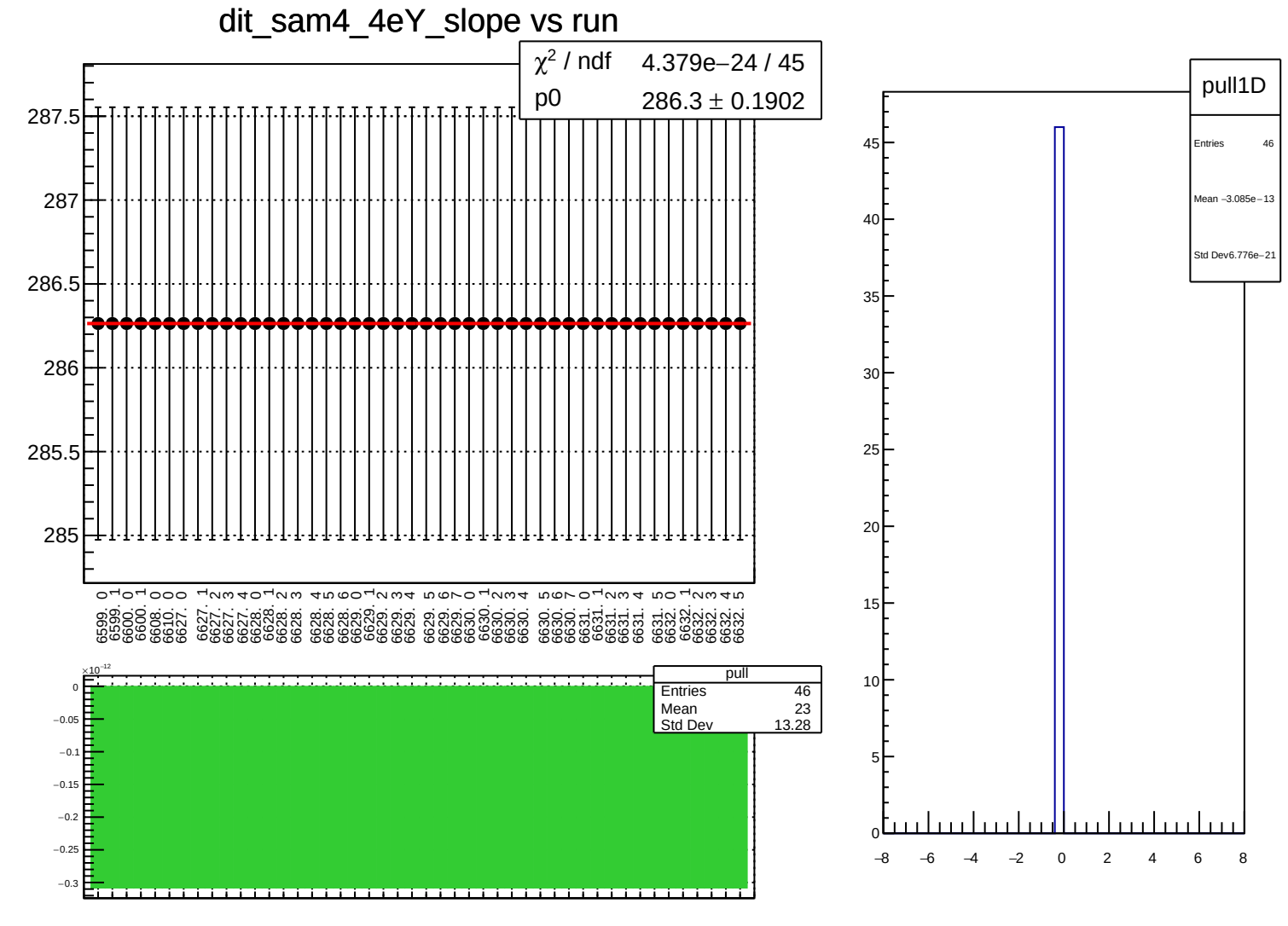

pull1D
Entries 46
Mean −9.121e−15
Std Dev2.118e−22

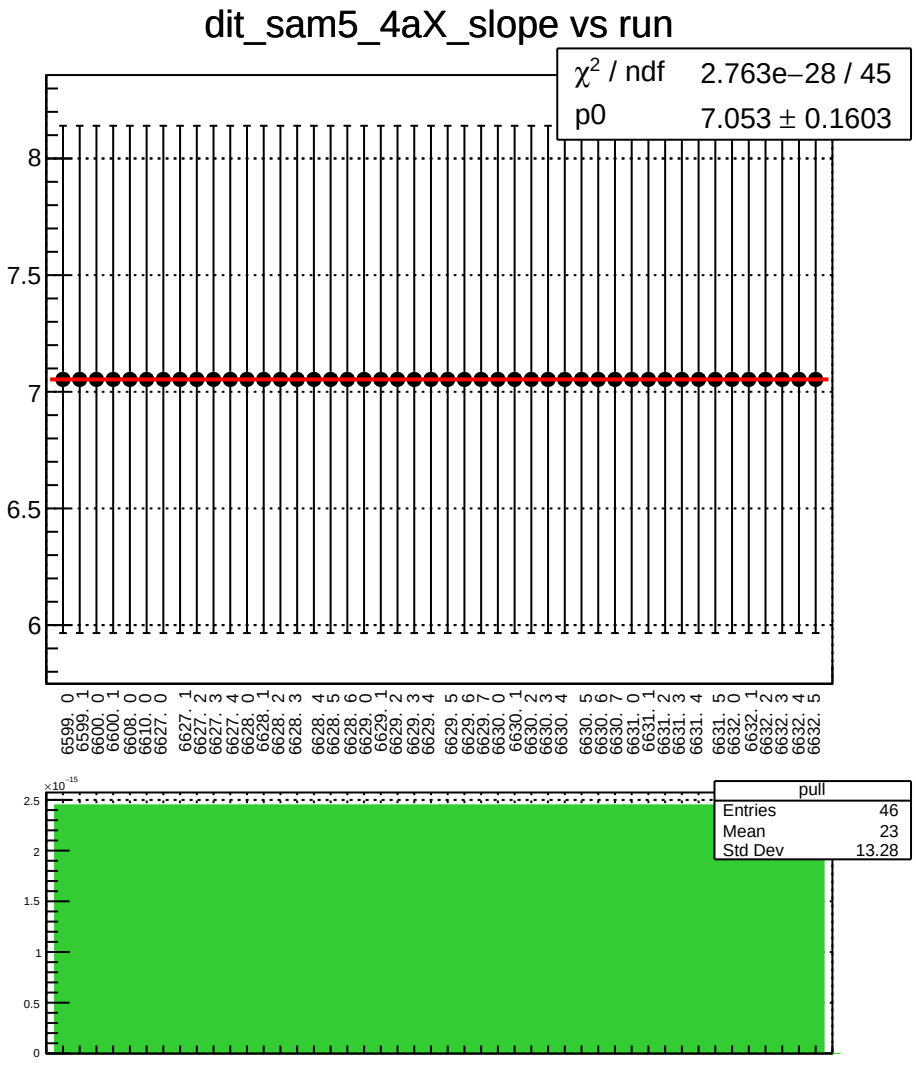

dit_sam4_4eX_slope vs run
χ² / ndf 2.515e−26 / 45
p0 −256.1± 1.075
−248
−250
−252
−254
−256
−258
−260
−262
−264
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
24
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 46
Mean 23
Std Dev 13.28

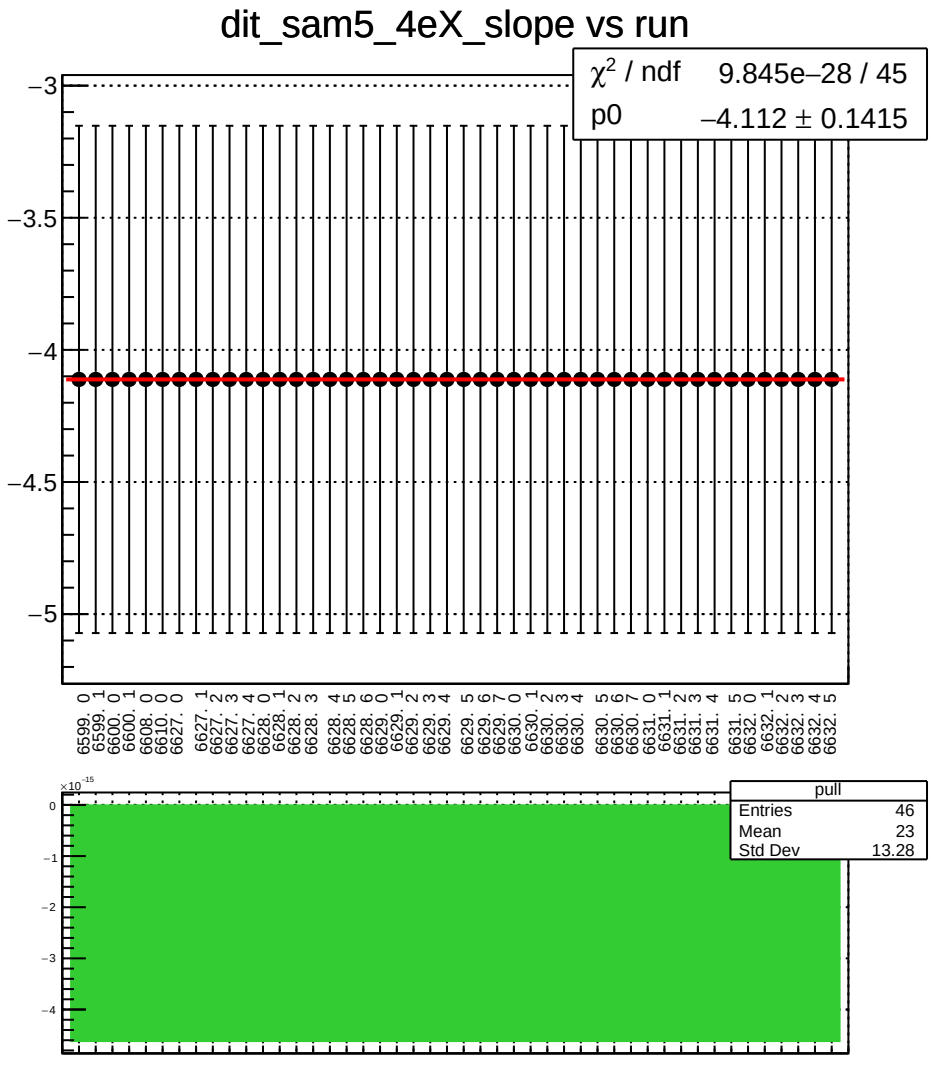

pull1D
Entries 46
Mean 2.338e−14
Std Dev7.336e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

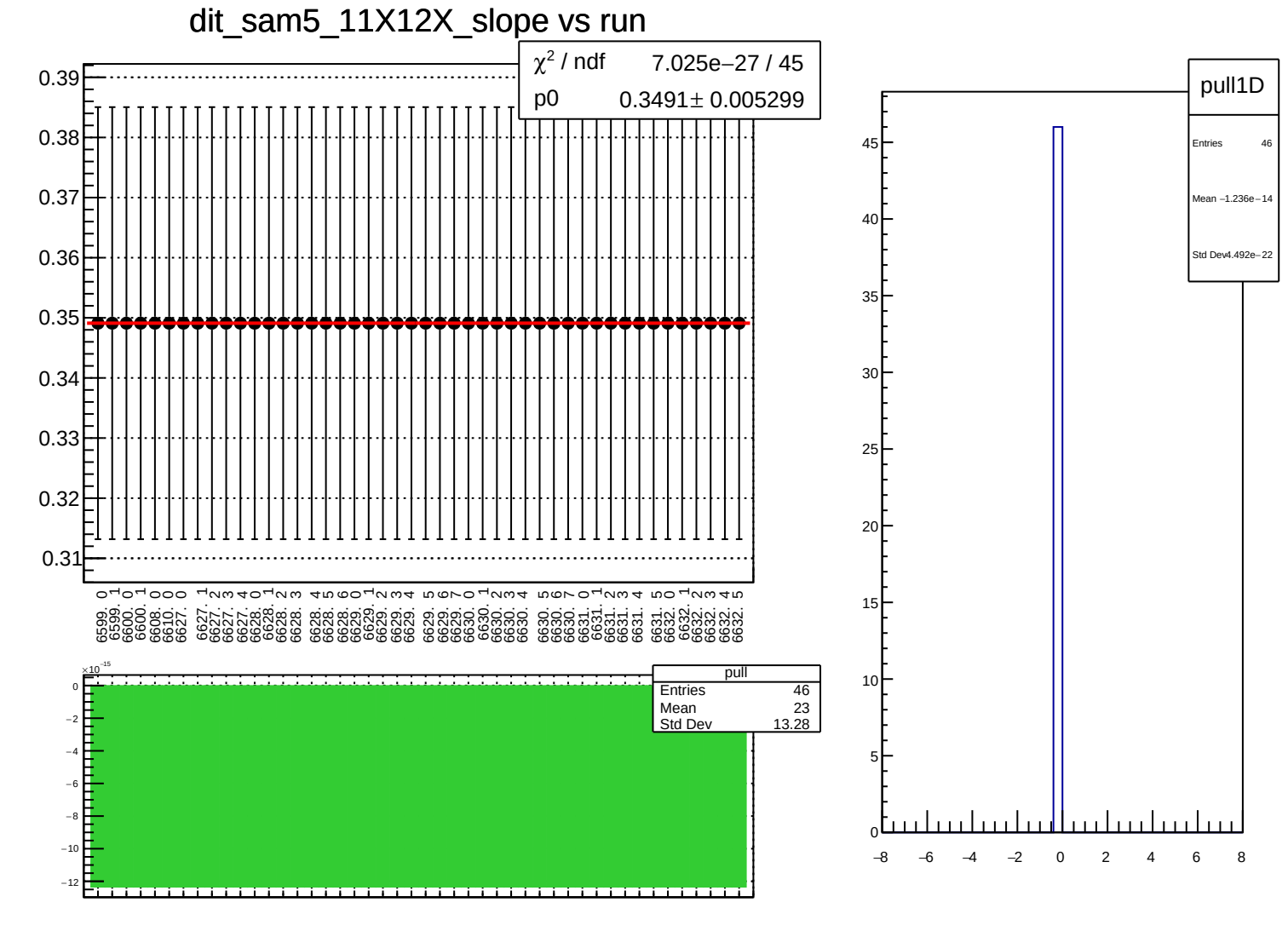

dit_sam4_11X12X_slope vs run
χ² / ndf 0 / 45
p0 0.8298 ± 0.01776
0.95
0.9
0.85
0.8
0.75
0.7
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 46
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

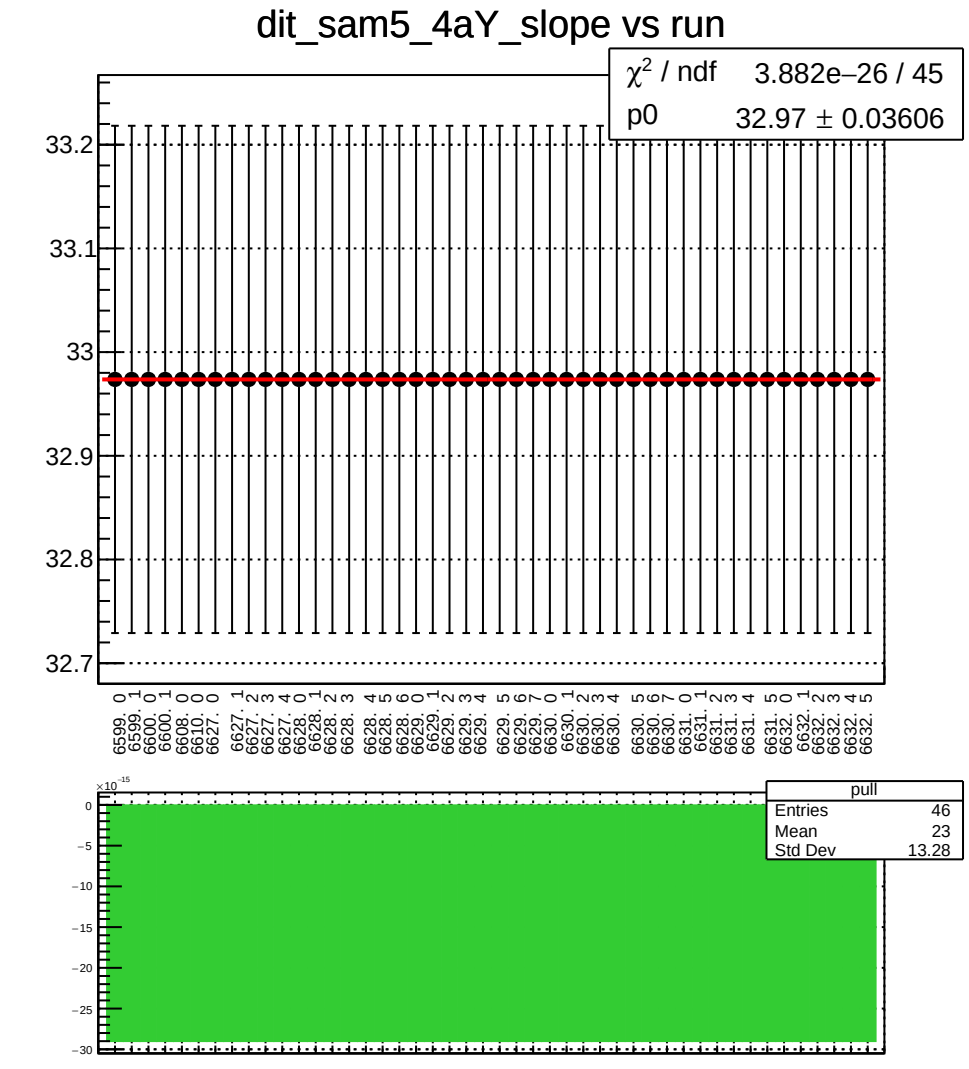

dit_sam4_4aY_slope vs run
χ² / ndf 1.846e−27 / 45
p0 −25.39 ± 0.08268
−24.8
−25
−25.2
−25.4
−25.6
−25.8
−26
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 6.335e−15
Std Dev1.297e−22

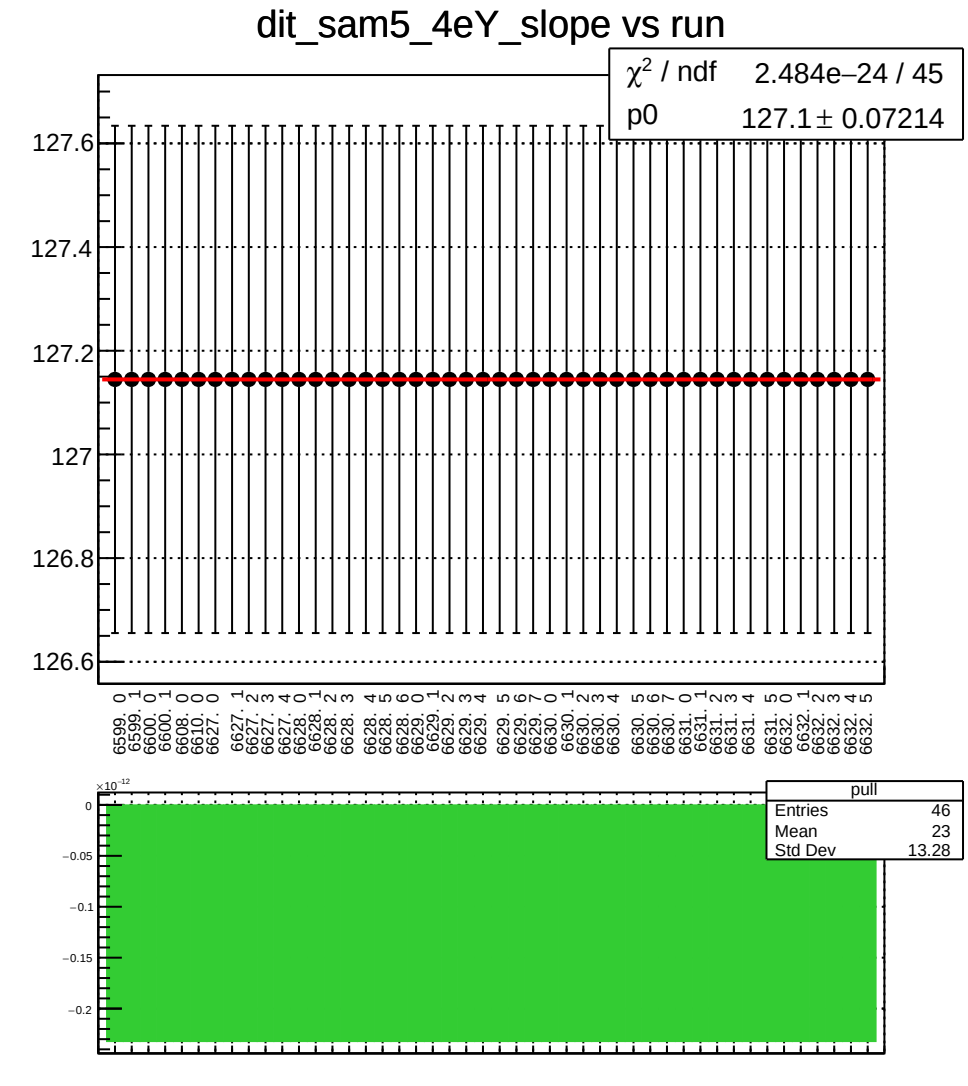

dit_sam4_4eY_slope vs run
χ² / ndf 4.379e−24 / 45
p0 286.3 ± 0.1902
287.5
287
286.5
286
285.5
285
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −3.085e−13
Std Dev6.776e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

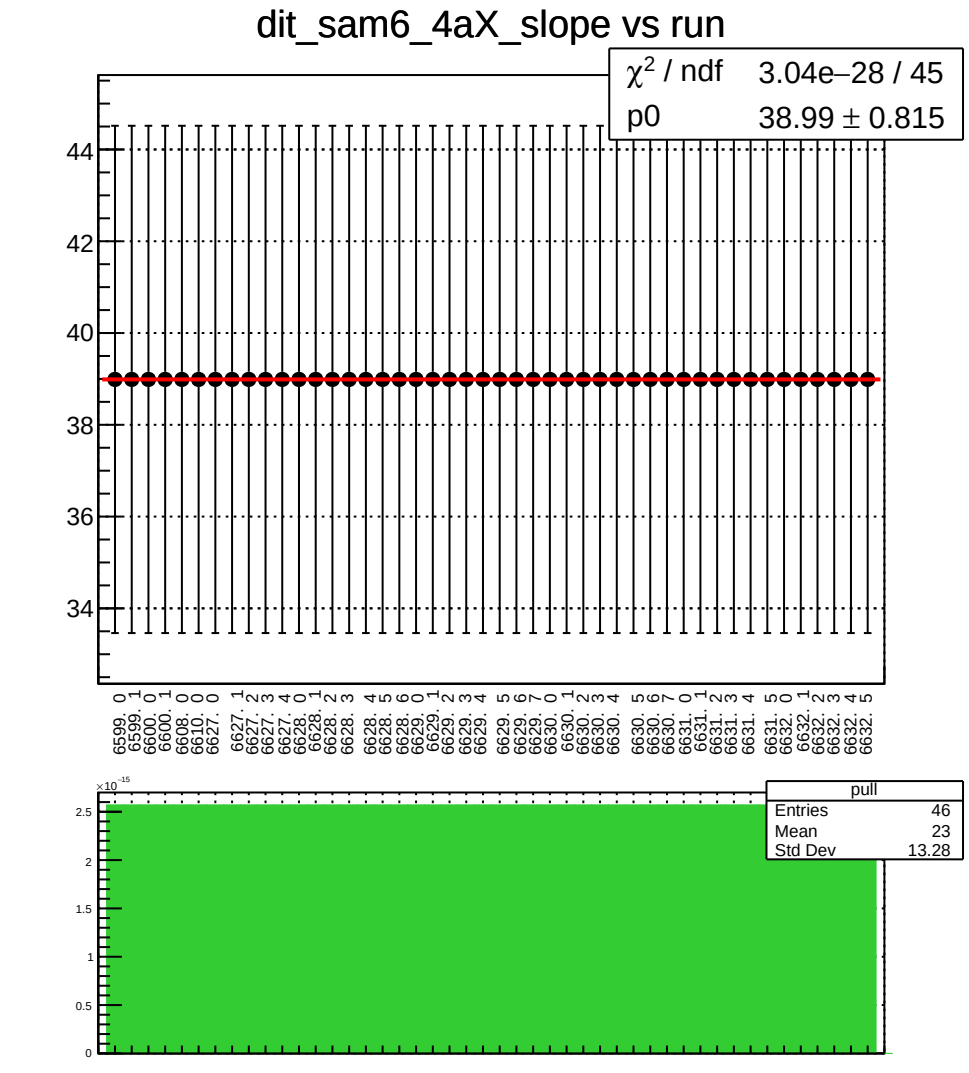

dit_sam5_4aX_slope vs run
χ² / ndf 2.763e−28 / 45
p0 7.053 ± 0.1603
8
7.5
7
6.5
6
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 2.451e−15
Std Dev1.059e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

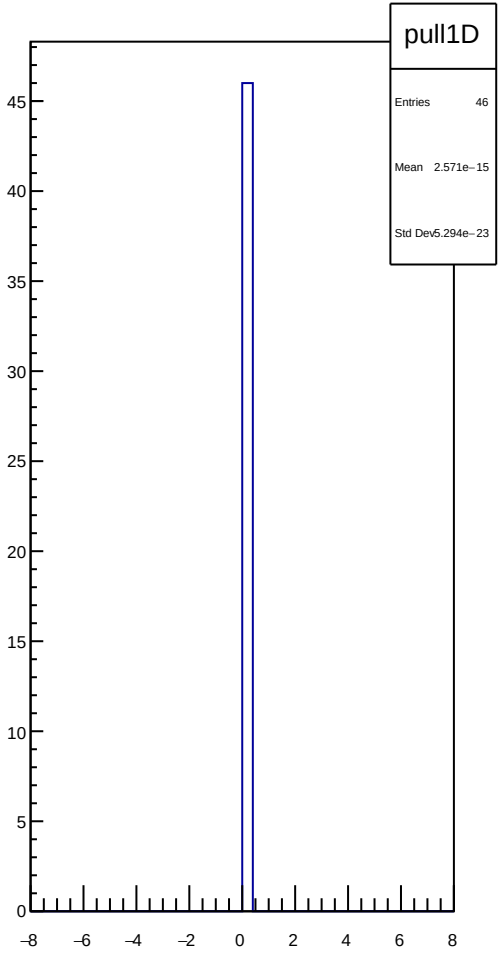

dit_sam5_4eX_slope vs run
χ² / ndf 9.845e−28 / 45
p0 −4.112 ± 0.1415
−3
−3.5
−4
−4.5
−5
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
0
−1
−2
−3
−4
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −4.626e−15
Std Dev2.118e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

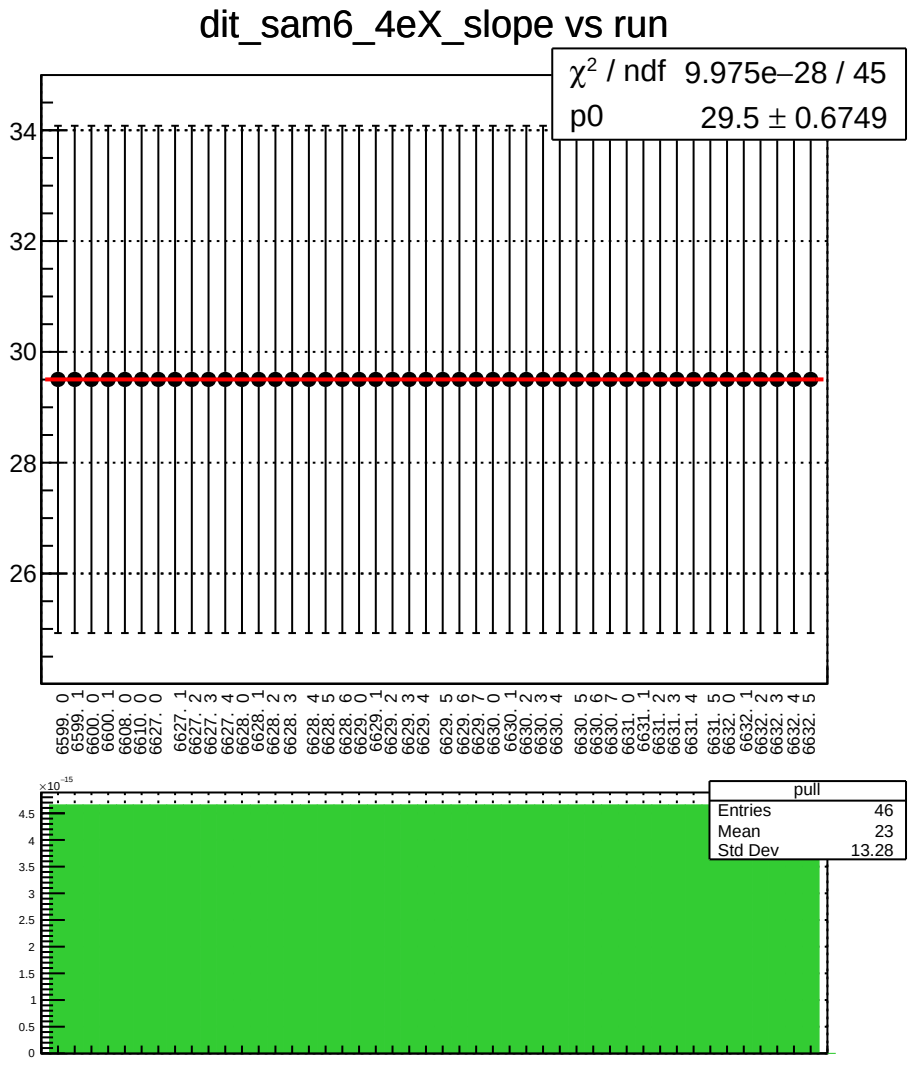

dit_sam5_11X12X_slope vs run
χ² / ndf 7.025e−27 / 45
p0 0.3491± 0.005299
0.39
0.38
0.37
0.36
0.35
0.34
0.33
0.32
0.31
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.236e−14
Std Dev4.492e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

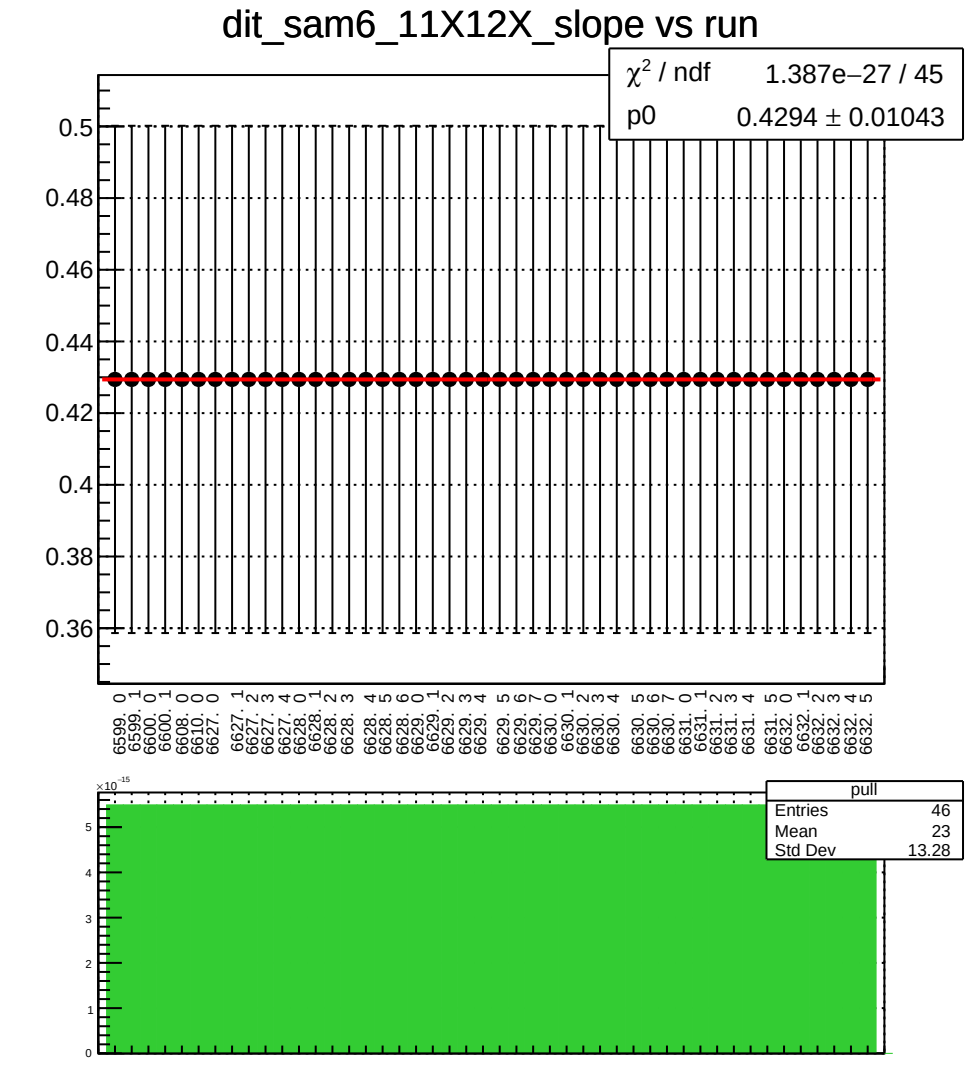

dit_sam5_4aY_slope vs run
χ² / ndf 3.882e−26 / 45
p0 32.97 ± 0.03606
33.2
33.1
33
32.9
32.8
32.7
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻±⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.905e−14
Std Dev1.121e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

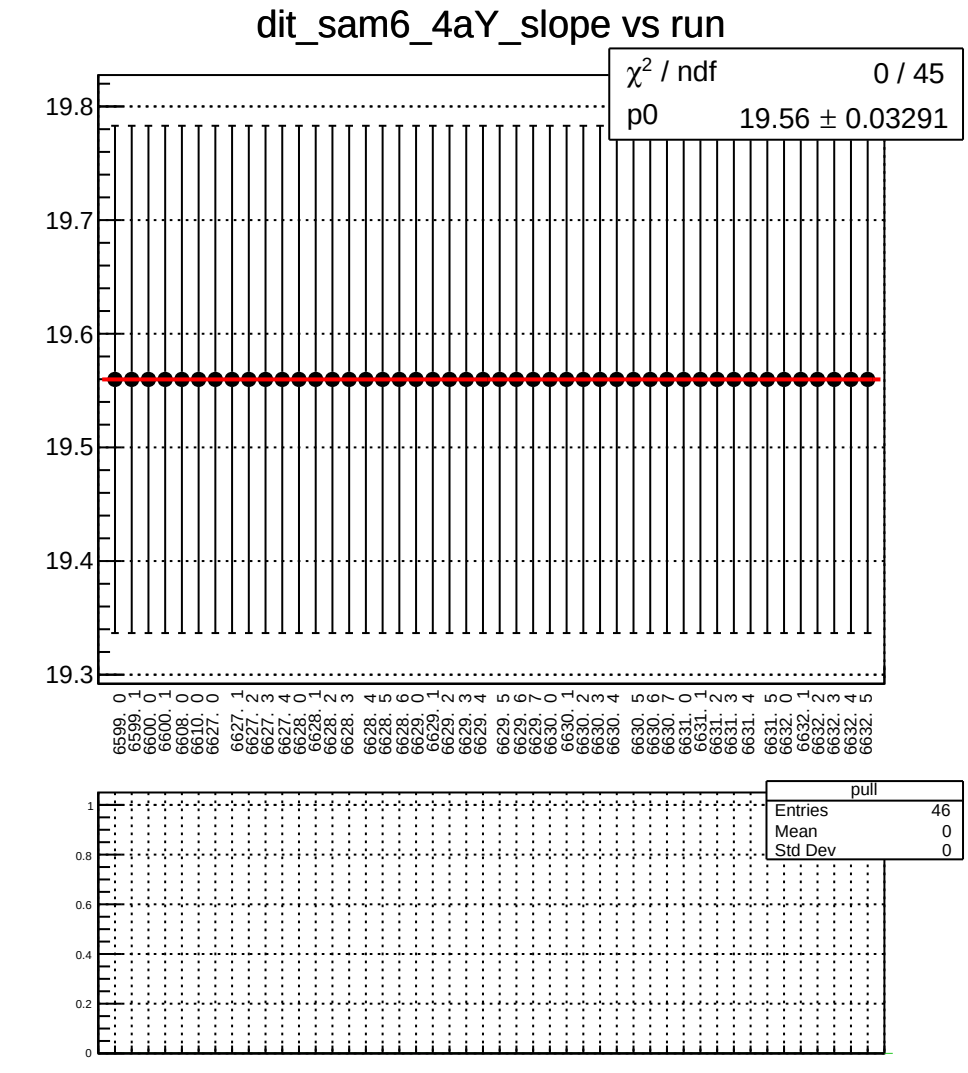

dit_sam5_4eY_slope vs run
χ² / ndf 2.484e−24 / 45
p0 127.1 ± 0.07214
127.6
127.4
127.2
127
126.8
126.6
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.324e−13
Std Dev5.868e−21
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 3.04e−28 / 45
p0 38.99 ± 0.815
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 2.571e−15
Std Dev 5.294e−23


dit_sam6_4eX_slope vs run
χ² / ndf 9.975e−28 / 45
p0 29.5 ± 0.6749
34
32
30
28
26
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 4.657e−15
Std Dev 1.909e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_11X12X_slope vs run
χ² / ndf 1.387e−27 / 45
p0 0.4294 ± 0.01043
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
5
4
3
2
1
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 5.491e−15
Std Dev1.059e−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 0 / 45
p0 19.56 ± 0.03291
19.8
19.7
19.6
19.5
19.4
19.3
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
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6628. 4
6628. 5
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6629. 0
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6629. 5
6629. 6
6629. 7
6630. 0
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6630. 2
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6630. 7
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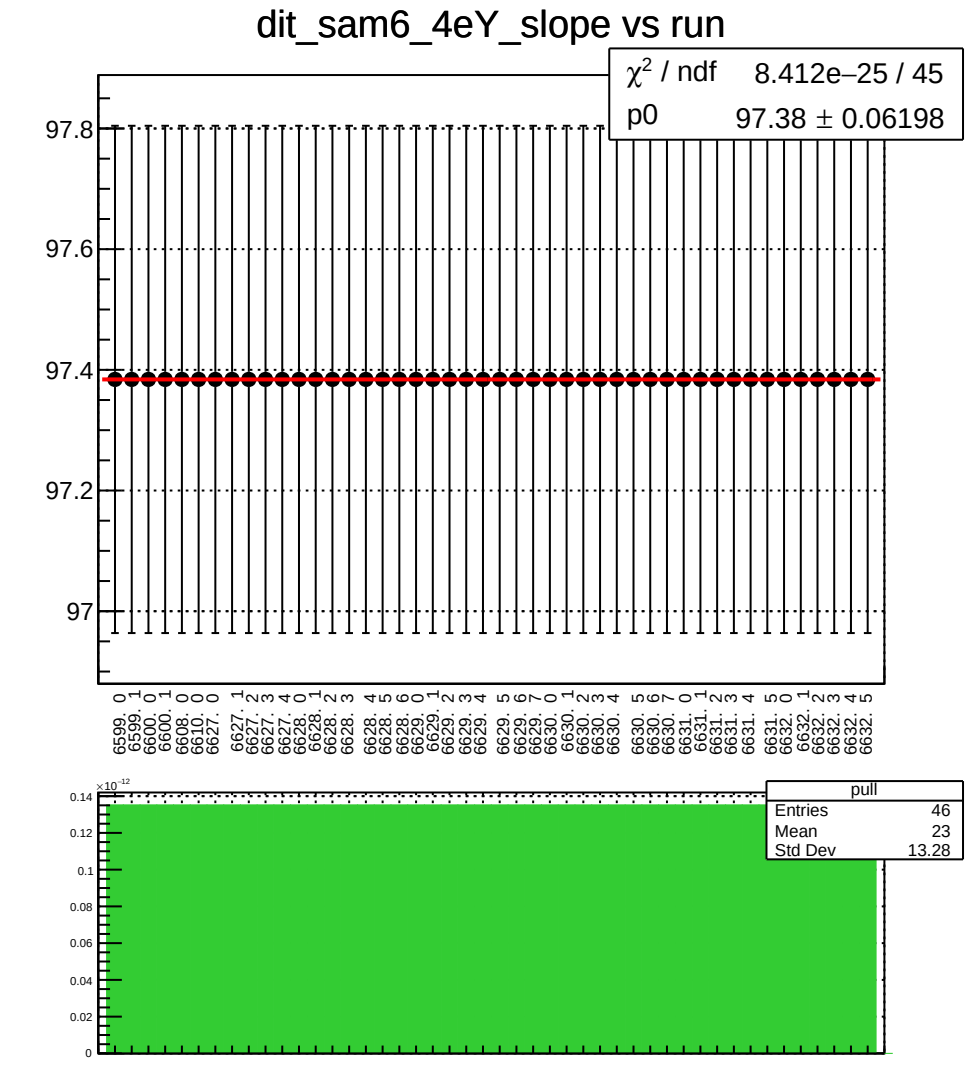
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 46
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8


dit_sam6_4eY_slope vs run
χ^2 / ndf 8.412e−25 / 45
p0 97.38 ± 0.06198
97.8
97.6
97.4
97.2
97
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
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6629. 2
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6629. 5
6629. 6
6629. 7
6630. 0
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6630. 2
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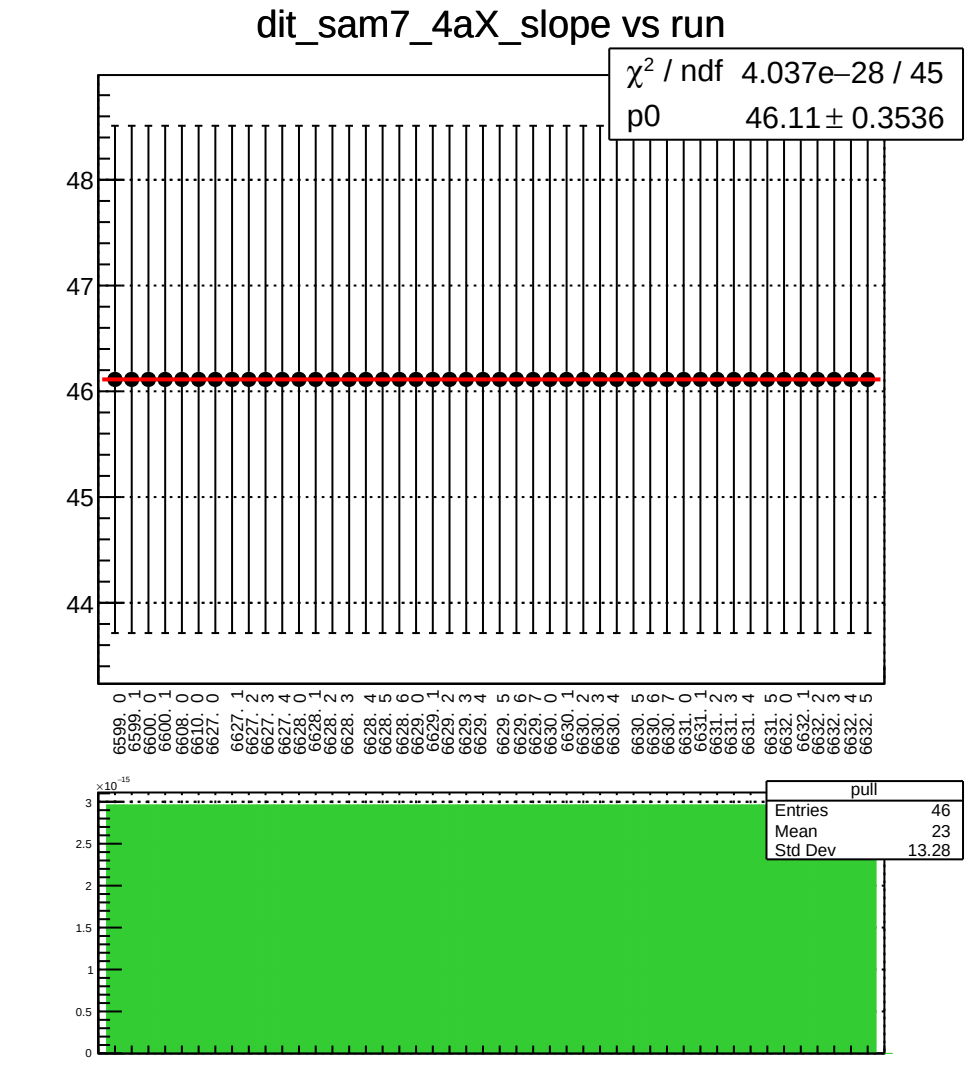
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 1.352e−13
Std Dev5.082e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4aX_slope vs run
χ² / ndf 4.037e−28 / 45
p0 46.11 ± 0.3536
48
47
46
45
44
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
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6628. 4
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6628. 6
6629. 0
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6629. 5
6629. 6
6629. 7
6630. 0
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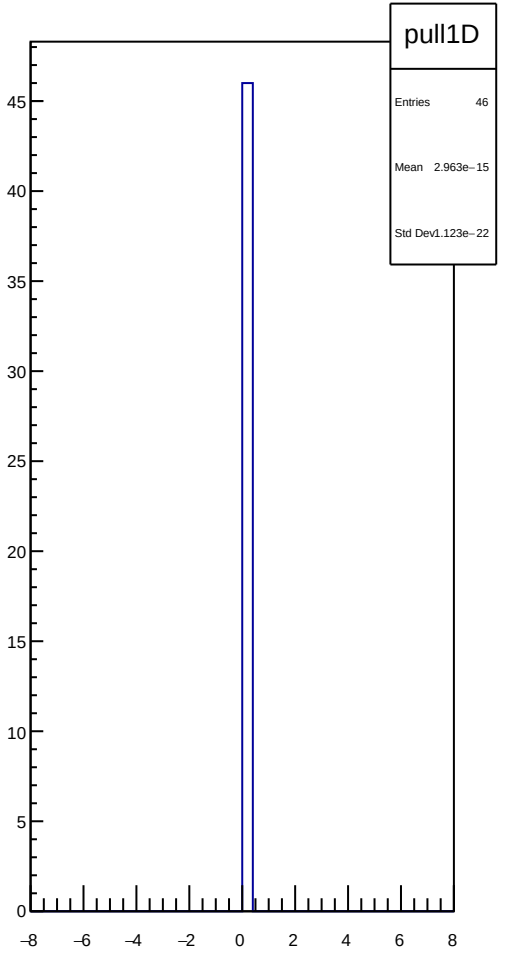
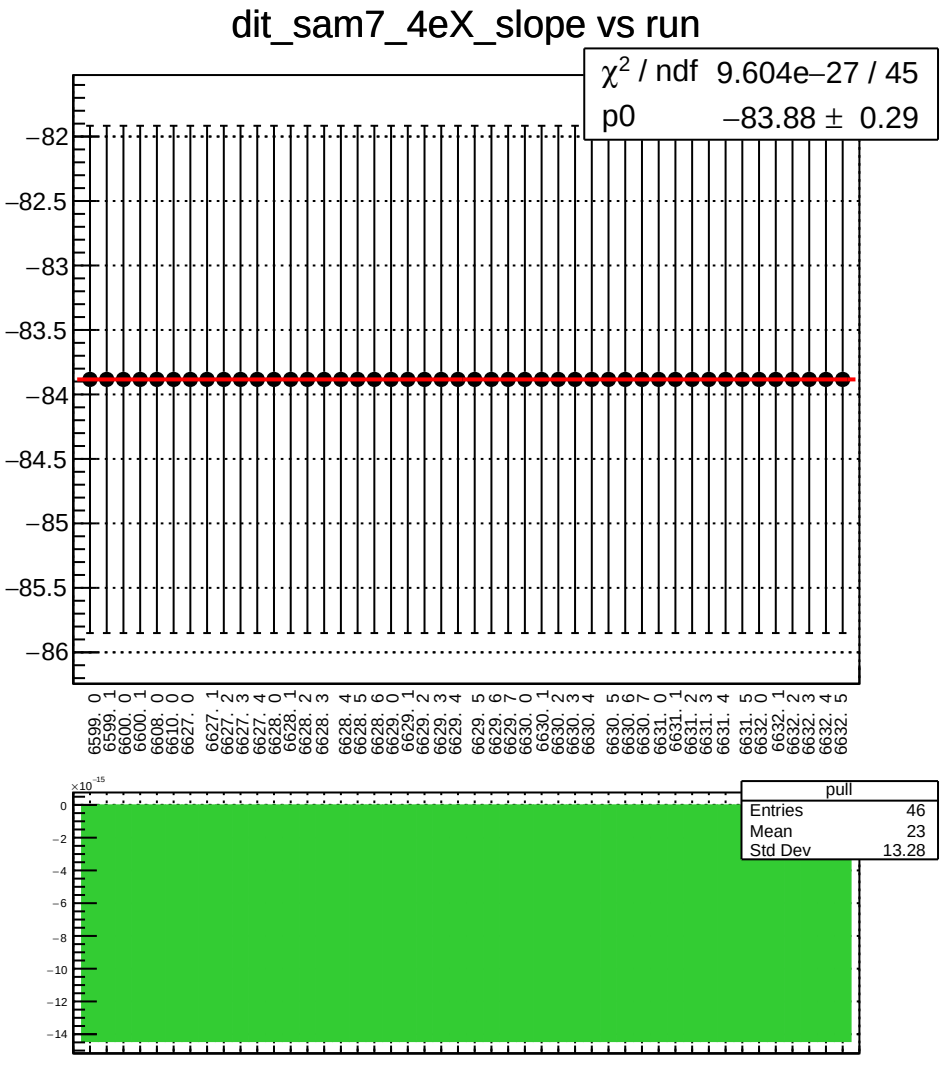
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean 2.963e−15
Std Dev1.123e−22
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 9.604e−27 / 45
p0 −83.88 ± 0.29
−82
−82.5
−83
−83.5
−84
−84.5
−85
−85.5
−86
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
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6628. 4
6628. 5
6628. 6
6629. 0
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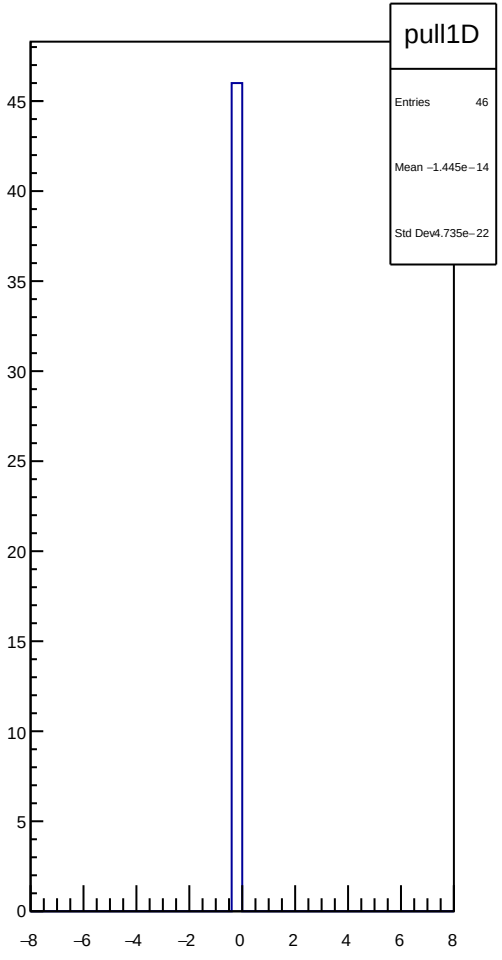
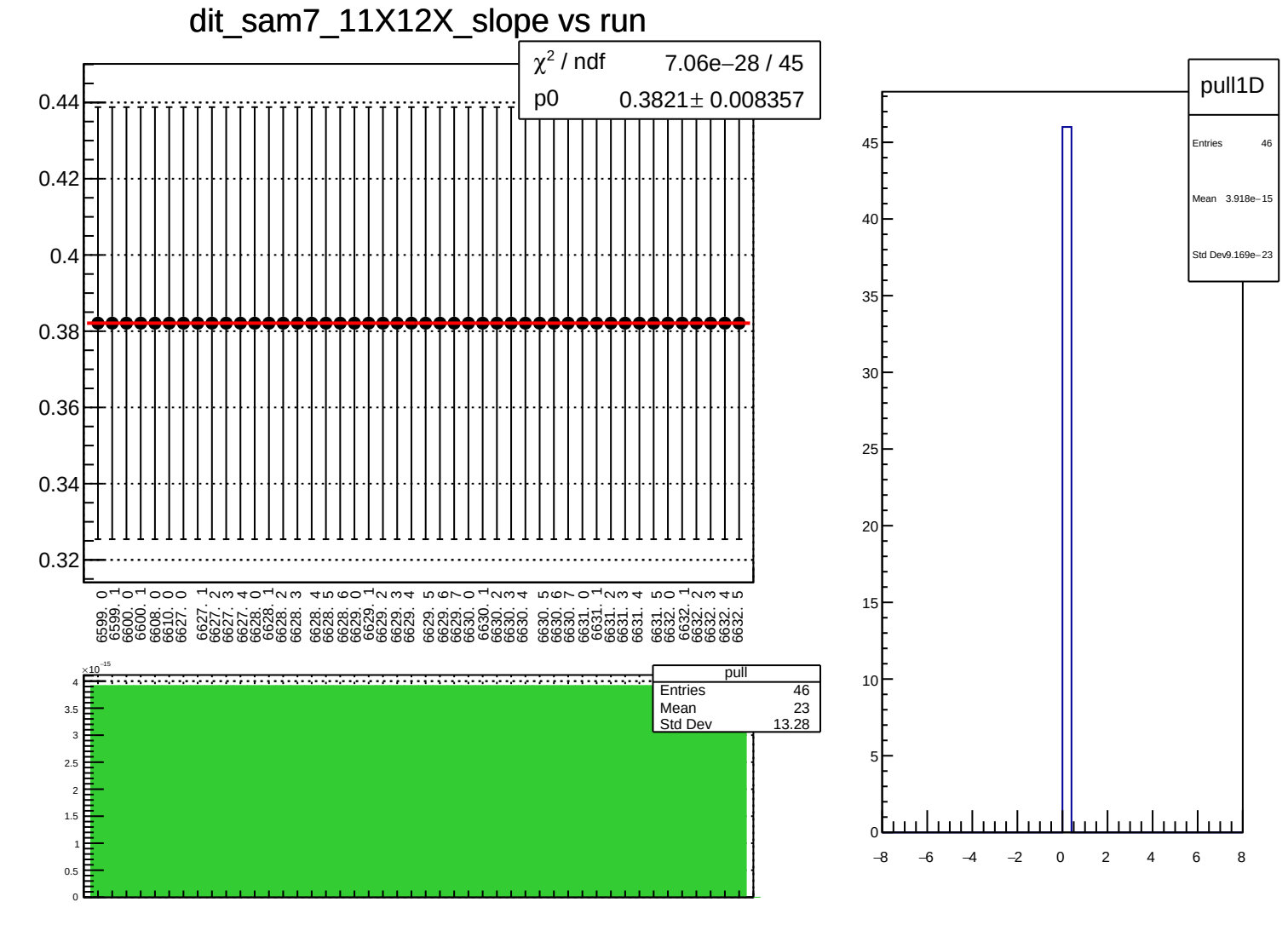
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻�15
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 46
Mean 23
Std Dev 13.28


pull1D
Entries 46
Mean −1.445e−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_sam7_11X12X_slope vs run
χ² / ndf 7.06e−28 / 45
p0 0.3821± 0.008357
0.44
0.42
0.4
0.38
0.36
0.34
0.32
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
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6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
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6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
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6630. 2
6630. 3
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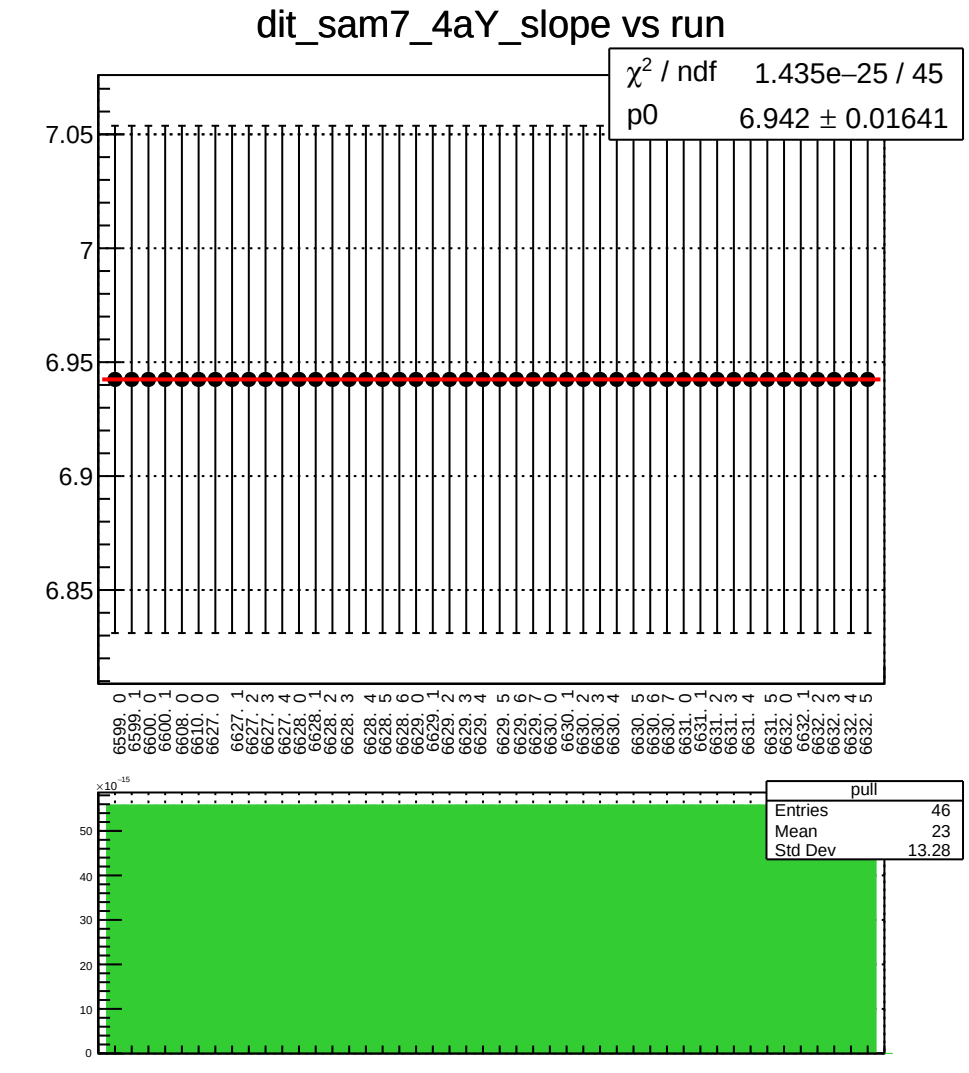
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 3.918e−15
Std Dev 9.169e−23
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4aY_slope vs run
χ² / ndf 1.435e−25 / 45
p0 6.942 ± 0.01641
7.05
7
6.95
6.9
6.85
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
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6629. 0
6629. 1
6629. 2
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6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
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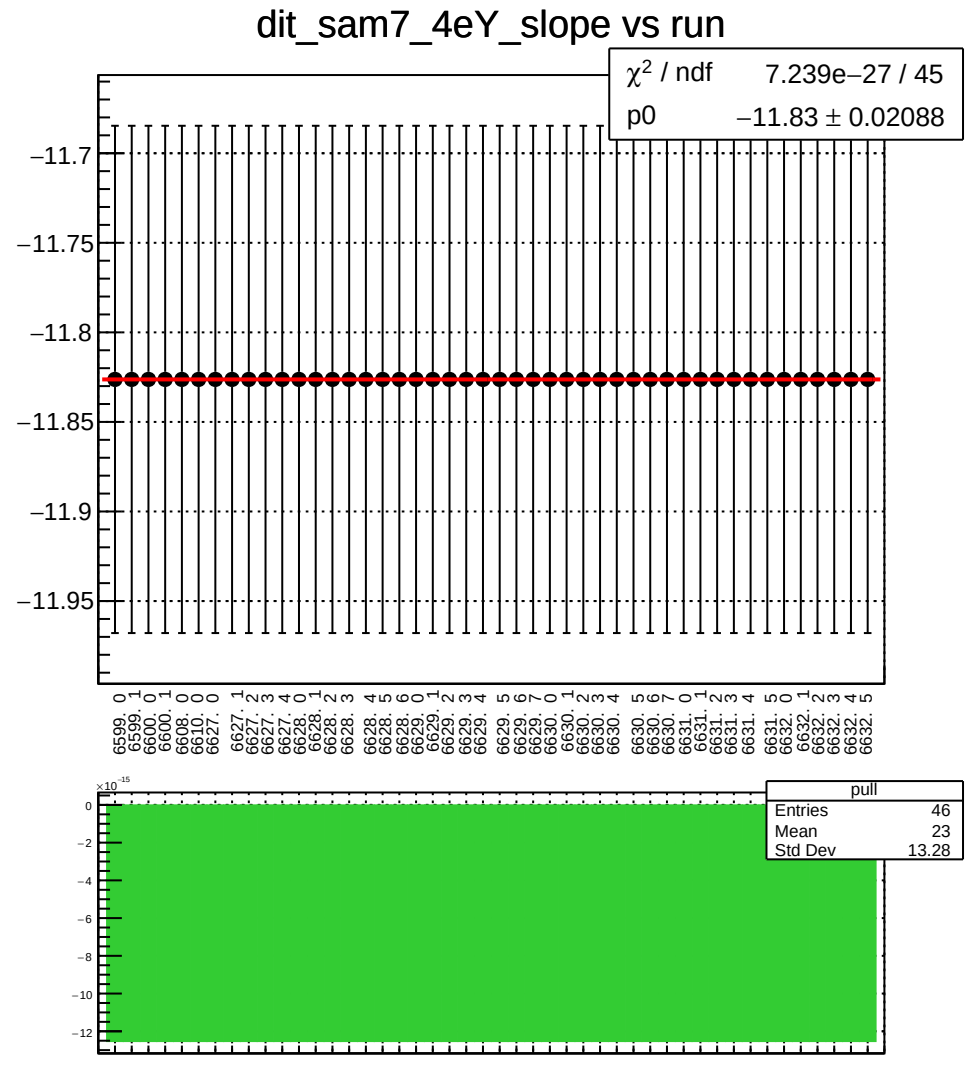
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 5.585e−14
Std Dev2.241e−21
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4eY_slope vs run
χ² / ndf 7.239e−27 / 45
p0 −11.83 ± 0.02088
−11.7
−11.75
−11.8
−11.85
−11.9
−11.95
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
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6629. 1
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6629. 3
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6629. 6
6629. 7
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6630. 4
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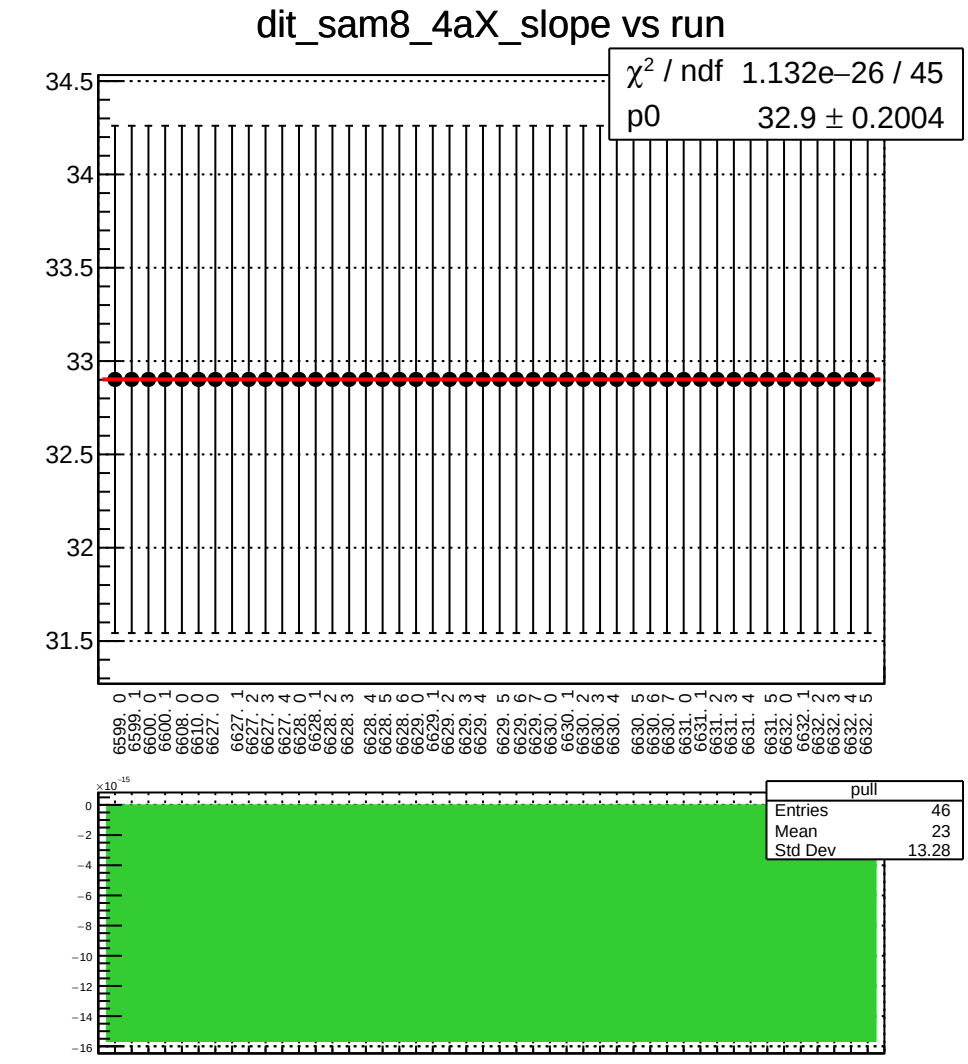
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.254e−14
Std Dev4.966e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aX_slope vs run
χ² / ndf 1.132e−26 / 45
p0 32.9 ± 0.2004
34.5
34
33.5
33
32.5
32
31.5
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
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6627. 2
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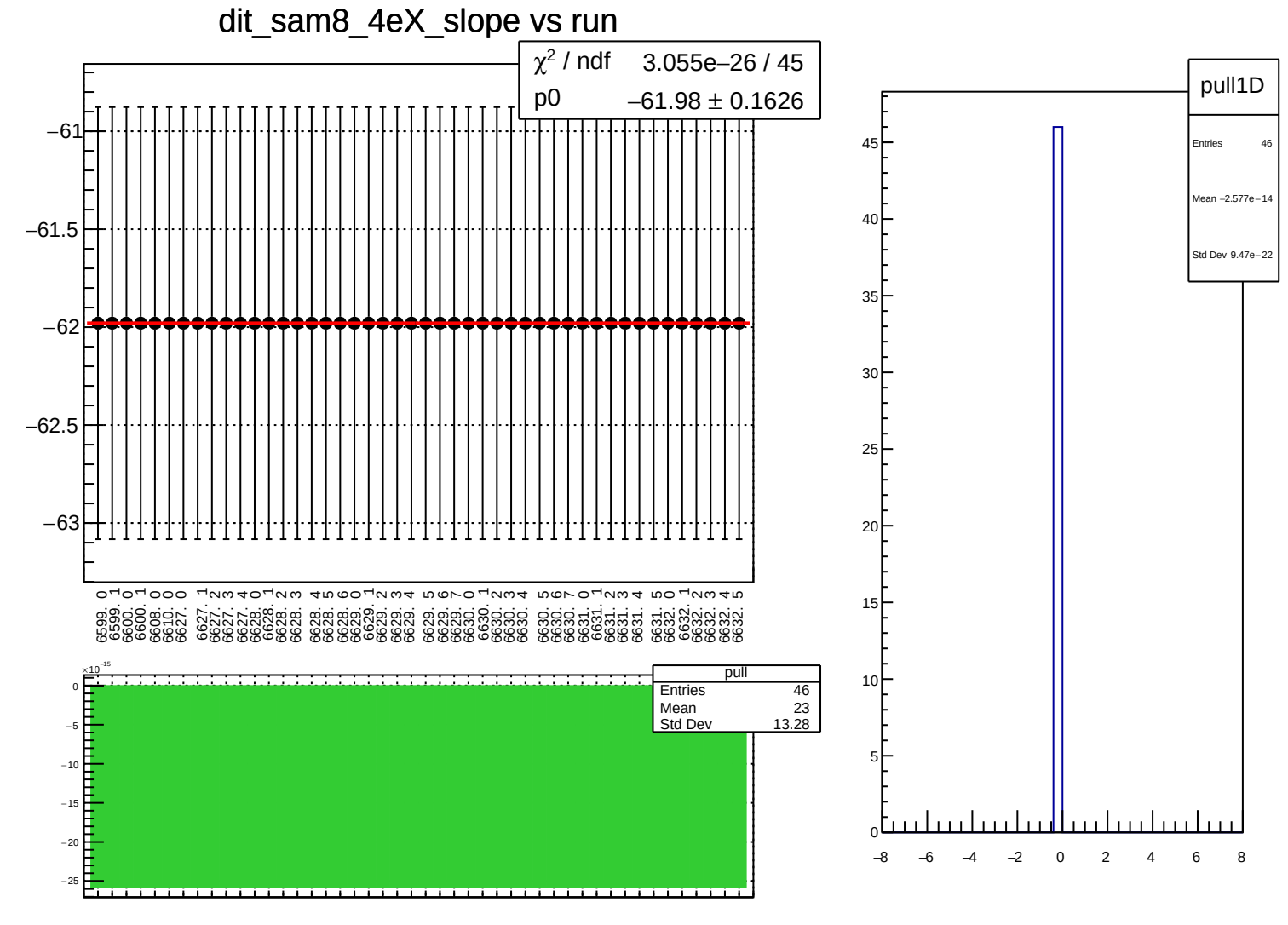
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.569e−14
Std Dev5.187e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 3.055e−26 / 45
p0 −61.98 ± 0.1626
−61
−61.5
−62
−62.5
−63
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
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6628. 4
6628. 5
6628. 6
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6630. 1
6630. 2
6630. 3
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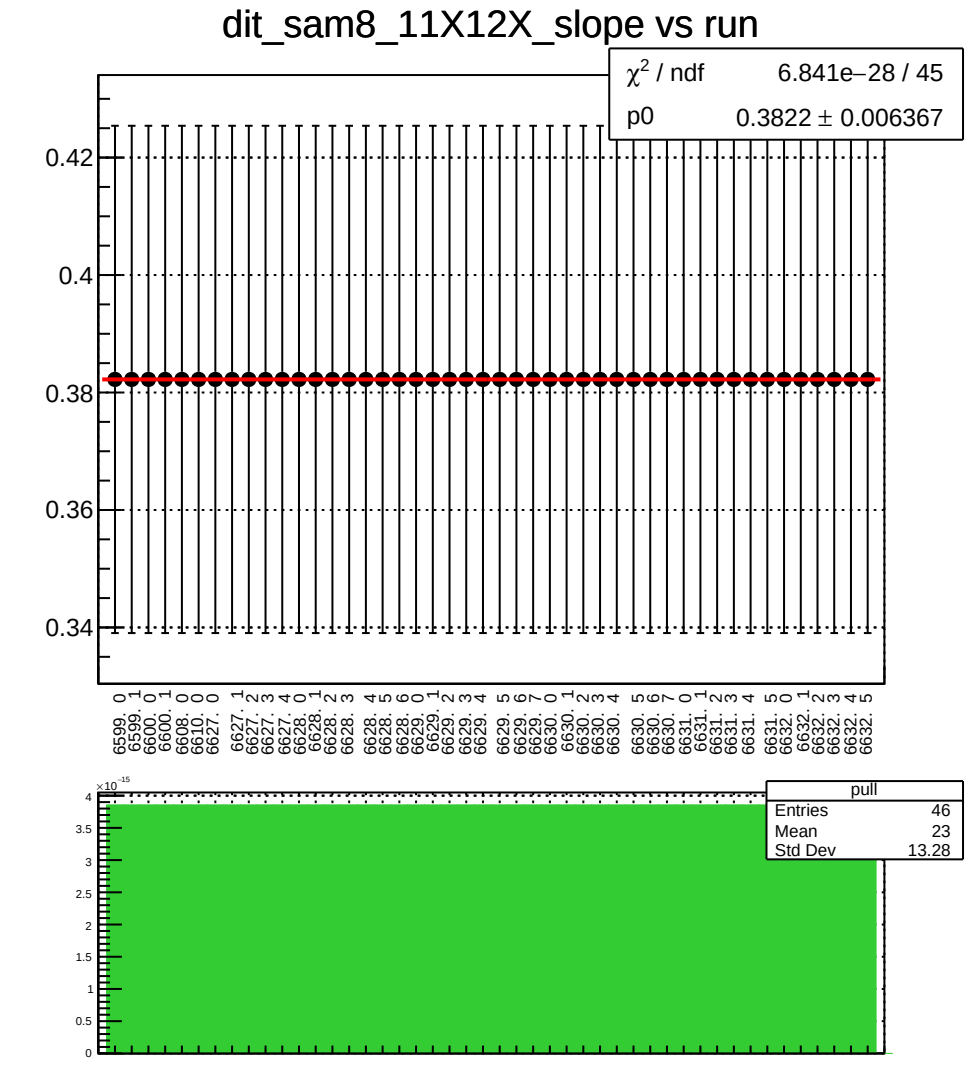
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −2.577e−14
Std Dev 9.47e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_11X12X_slope vs run
χ² / ndf 6.841e−28 / 45
p0 0.3822 ± 0.006367
0.42
0.4
0.38
0.36
0.34
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
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6628. 6
6629. 0
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6629. 5
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6629. 7
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6630. 6
6630. 7
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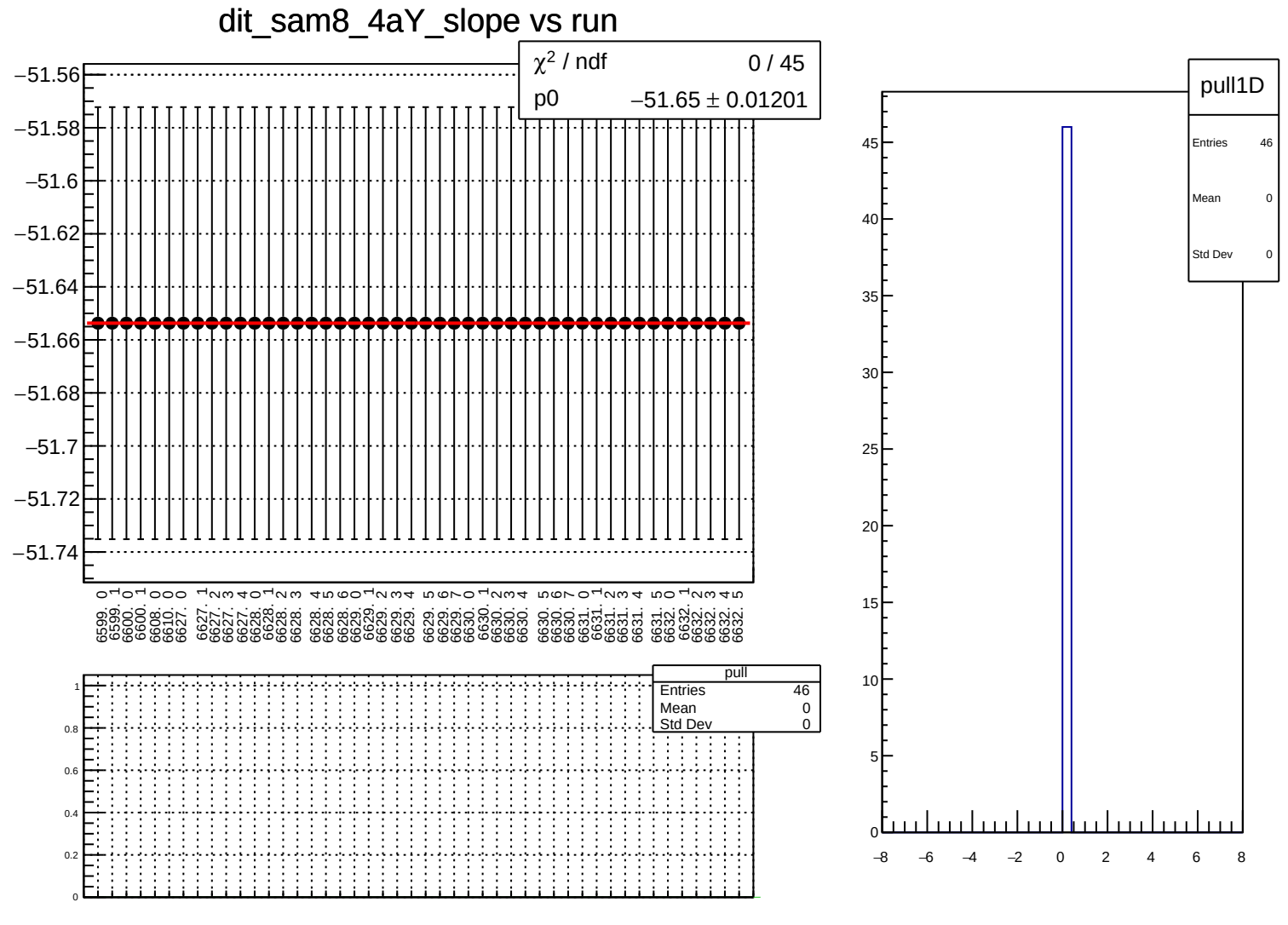
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean 3.856e−15
Std Dev 2.05e−22
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aY_slope vs run
χ² / ndf 0 / 45
p0 −51.65 ± 0.01201
−51.56
−51.58
−51.6
−51.62
−51.64
−51.66
−51.68
−51.7
−51.72
−51.74
6599. 0
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6628. 3
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6632. 3
6632. 4
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pull
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 46
Mean 0
Std Dev 0
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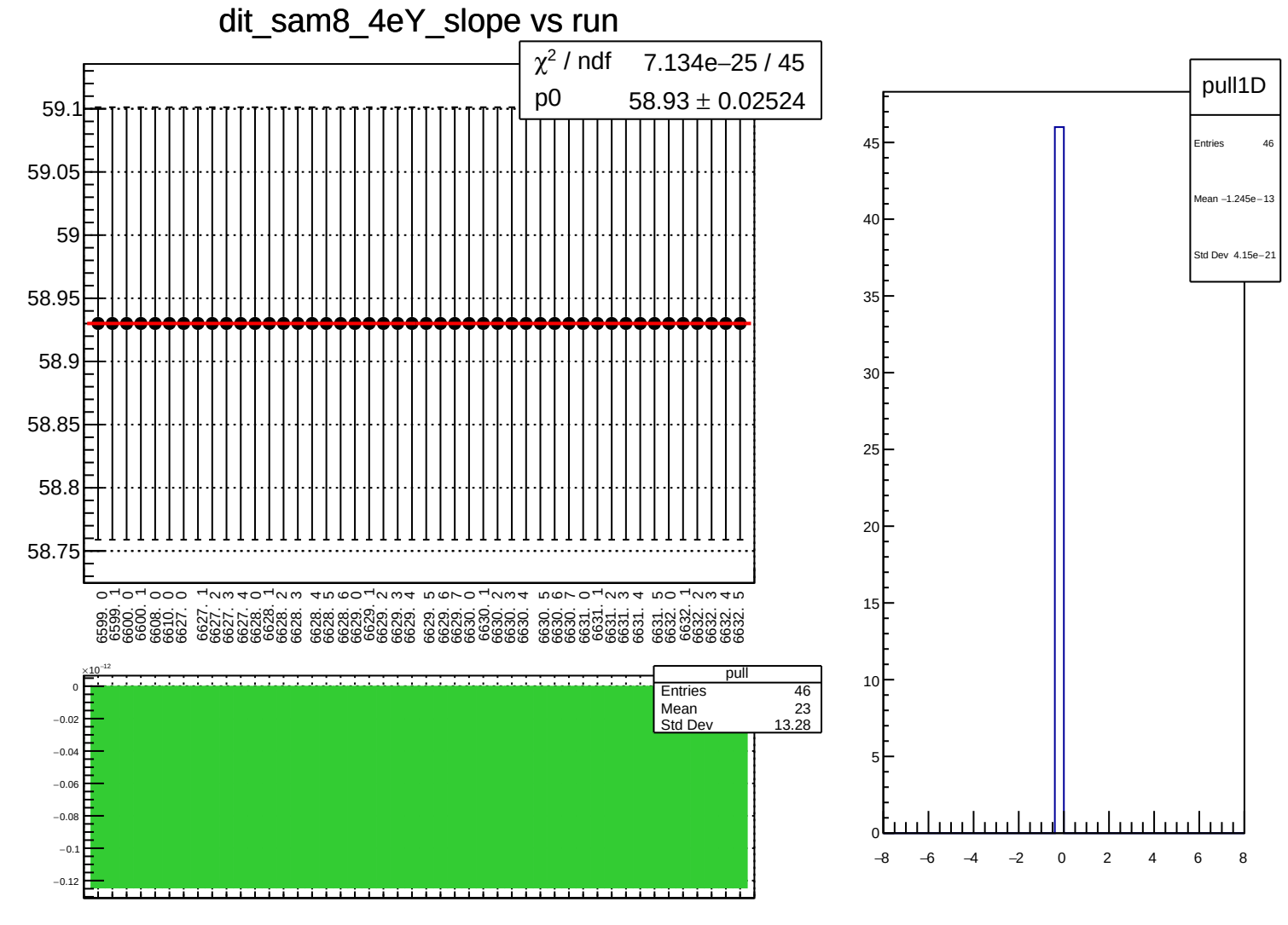
dit_sam8_4eY_slope vs run
χ² / ndf 7.134e−25 / 45
p0 58.93 ± 0.02524
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58.85
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×10⁻¹²
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−0.1
−0.12
pull
Entries 46
Mean 23
Std Dev 13.28
pull1D
Entries 46
Mean −1.245e−13
Std Dev 4.15e−21
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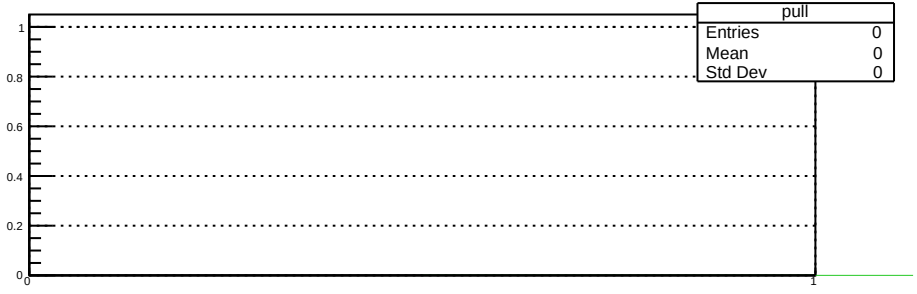
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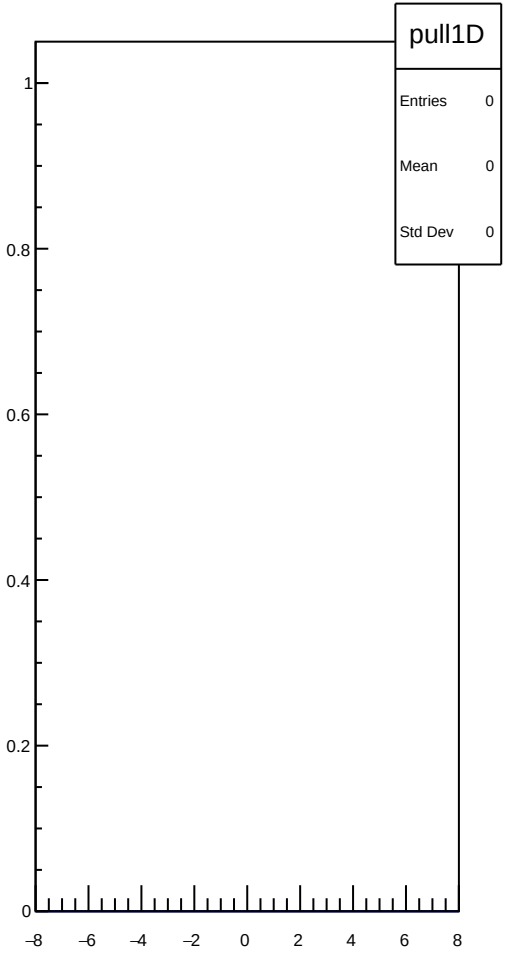
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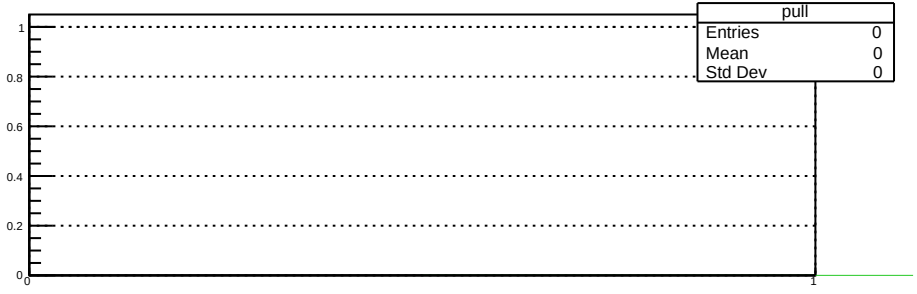
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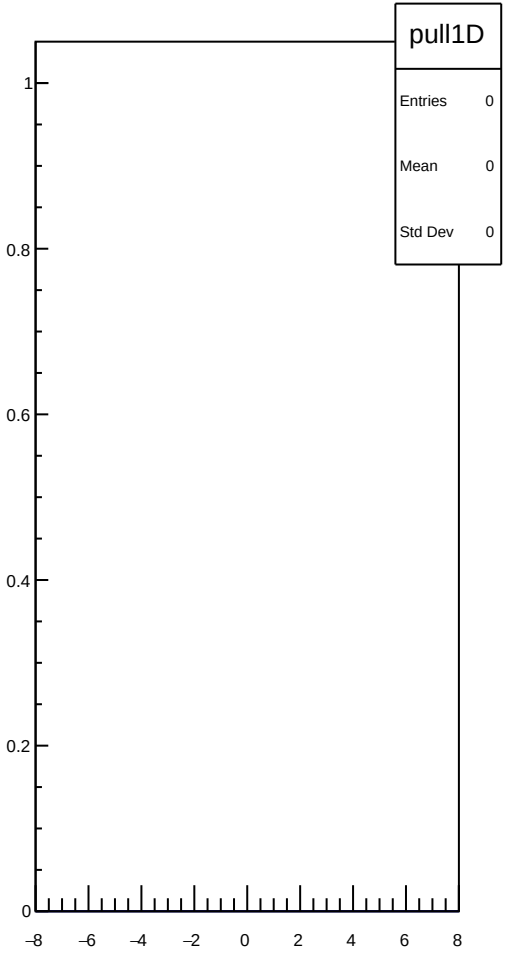
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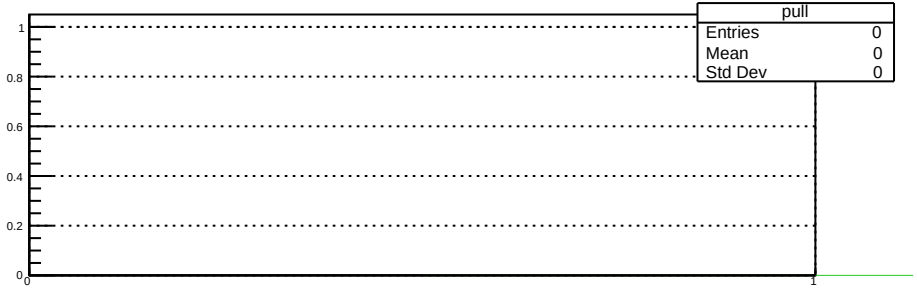
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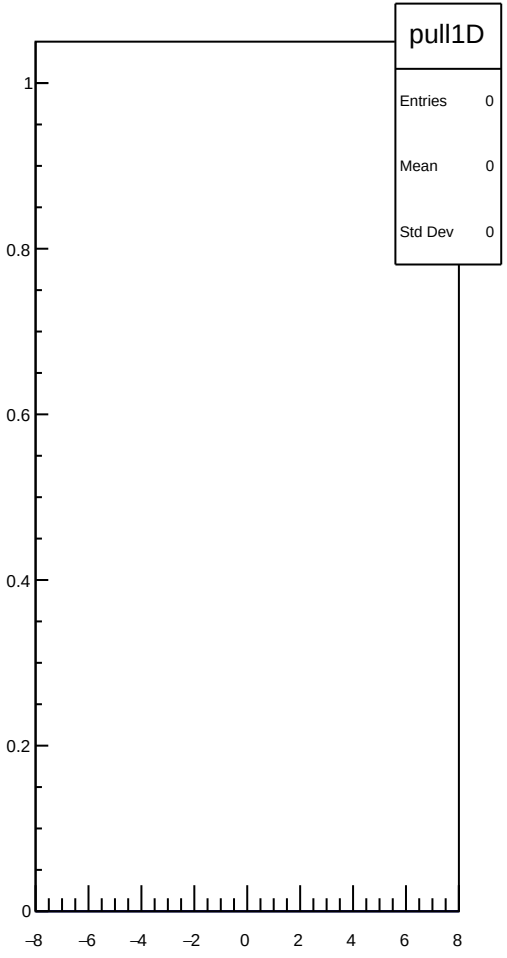
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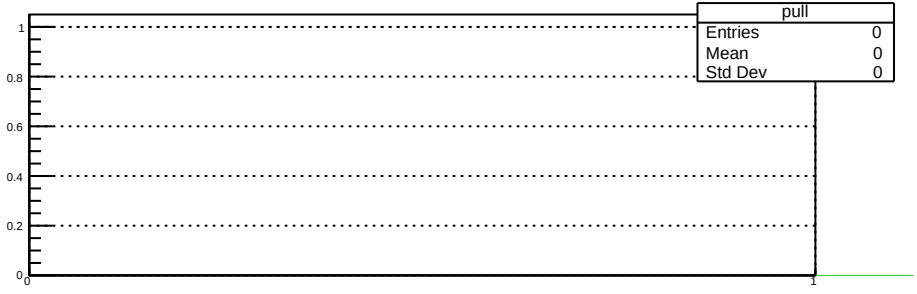
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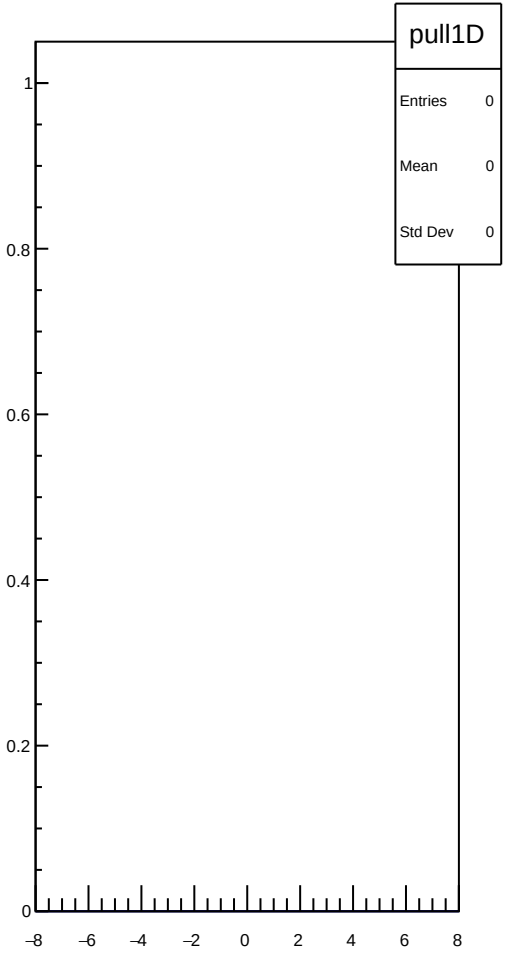
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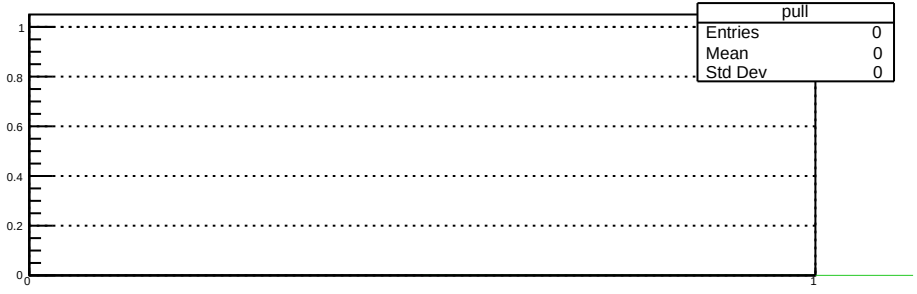
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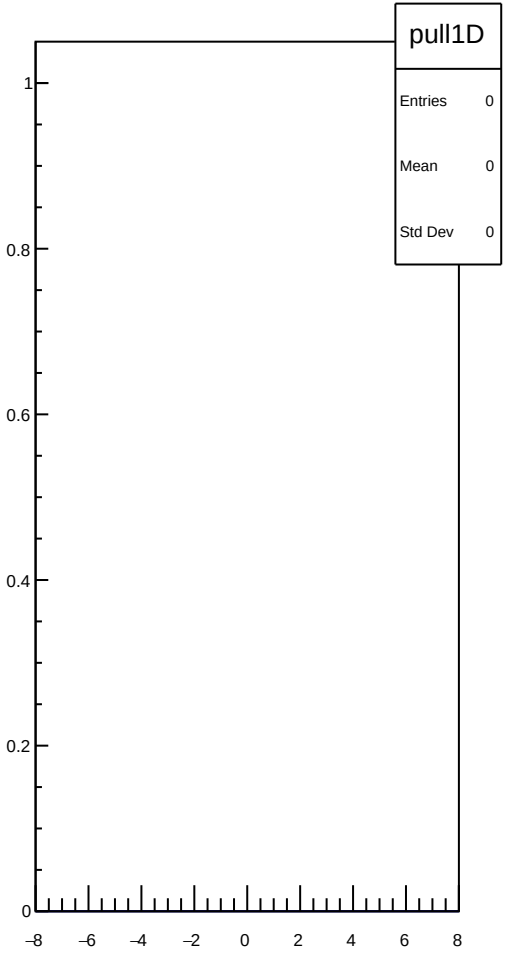
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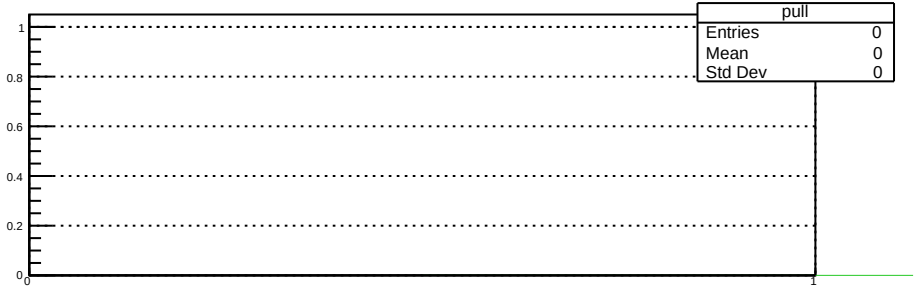
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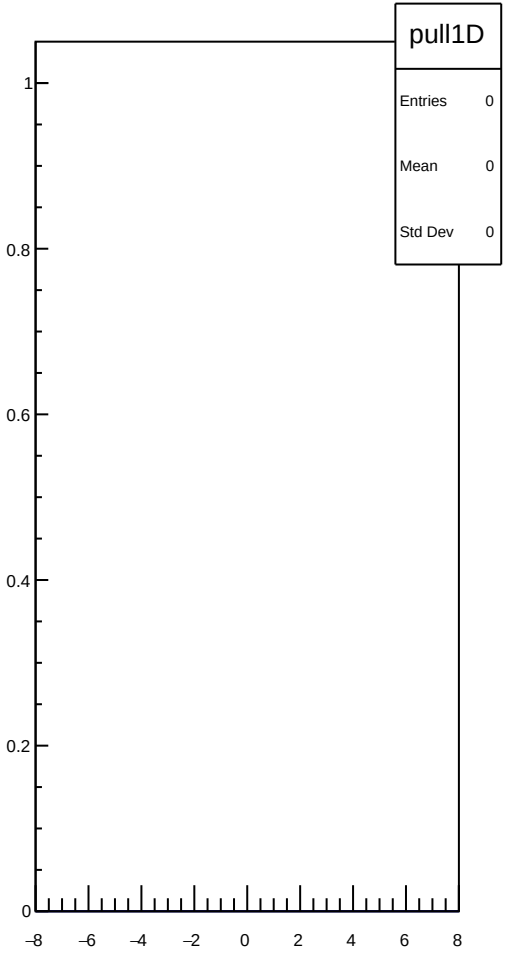
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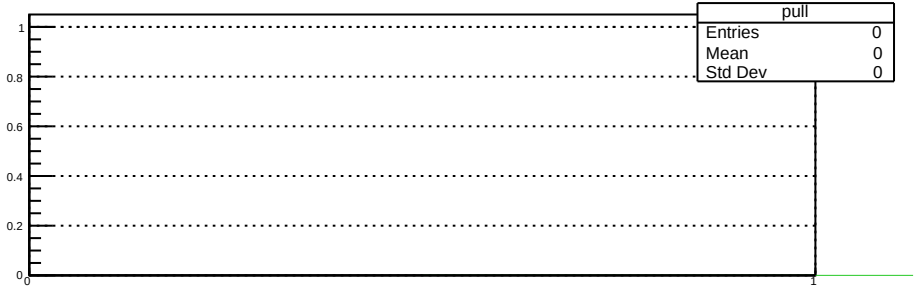
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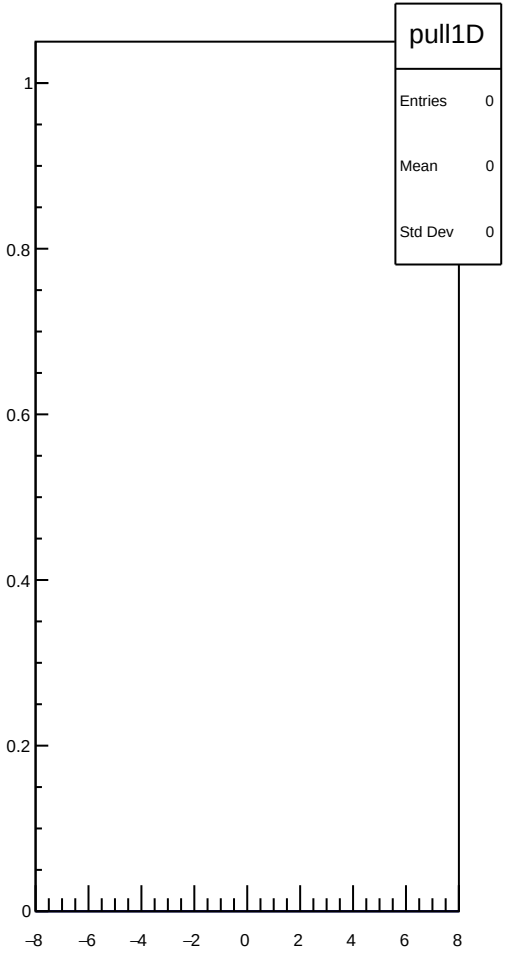
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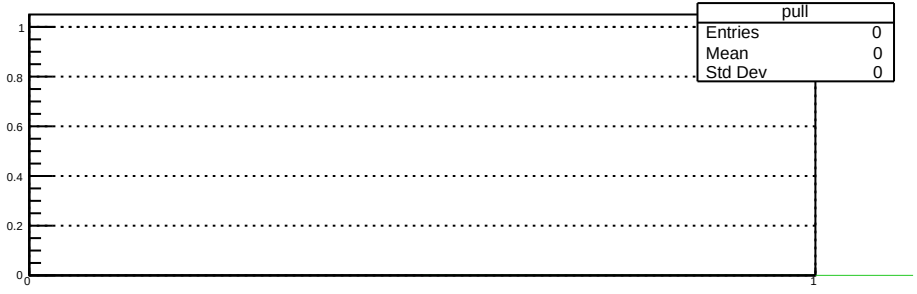
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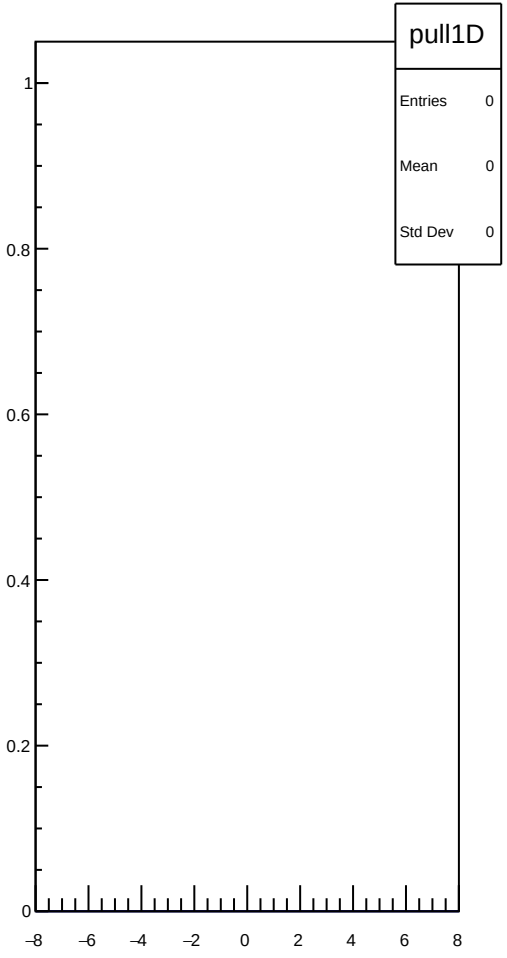
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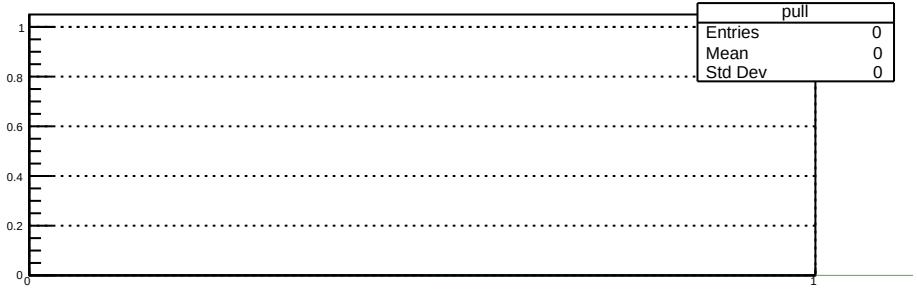
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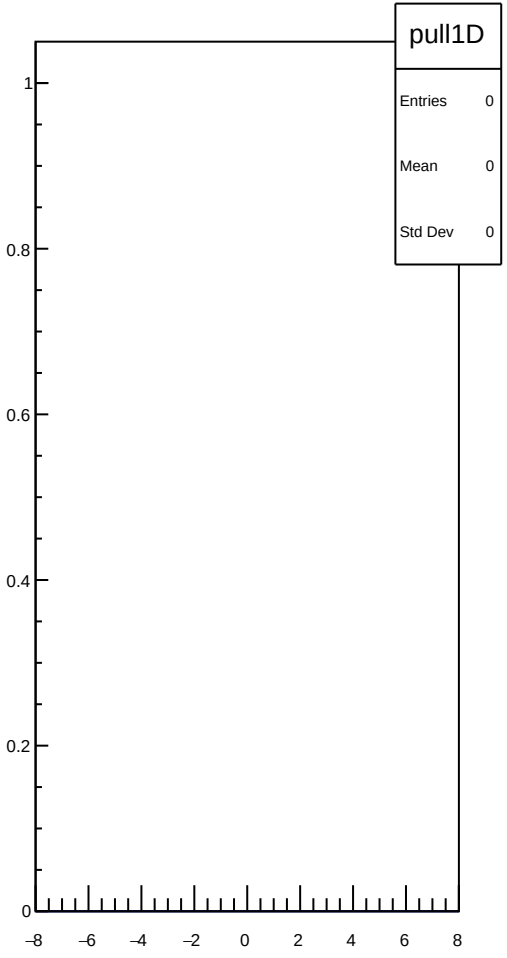
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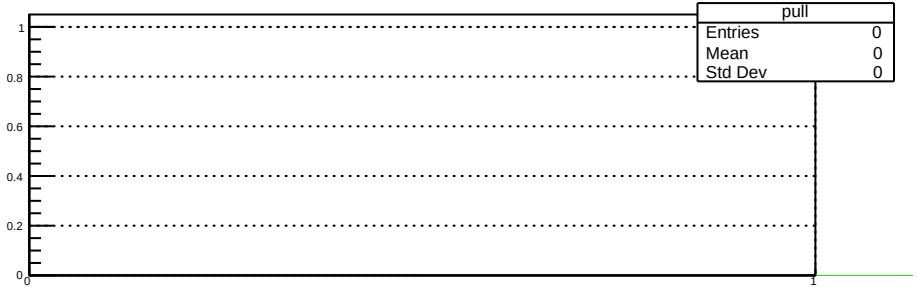
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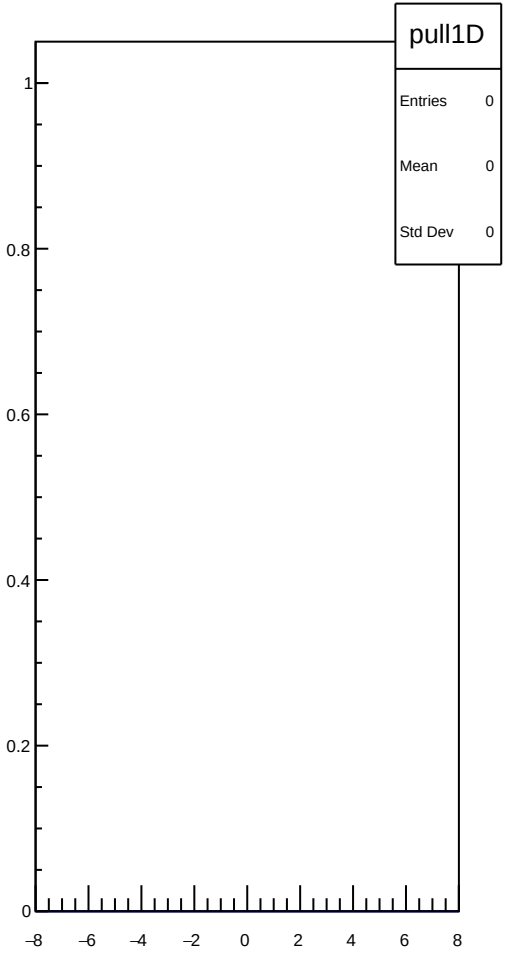
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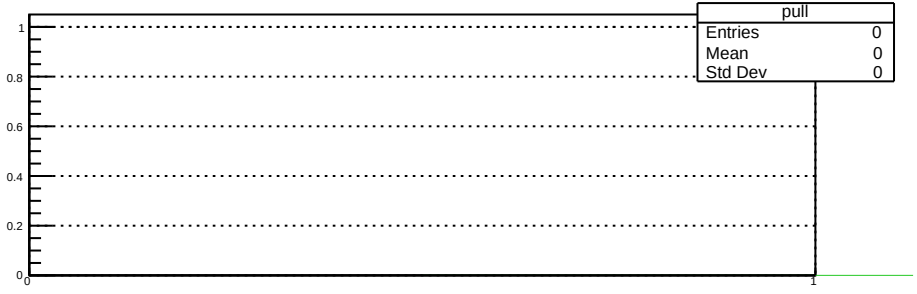
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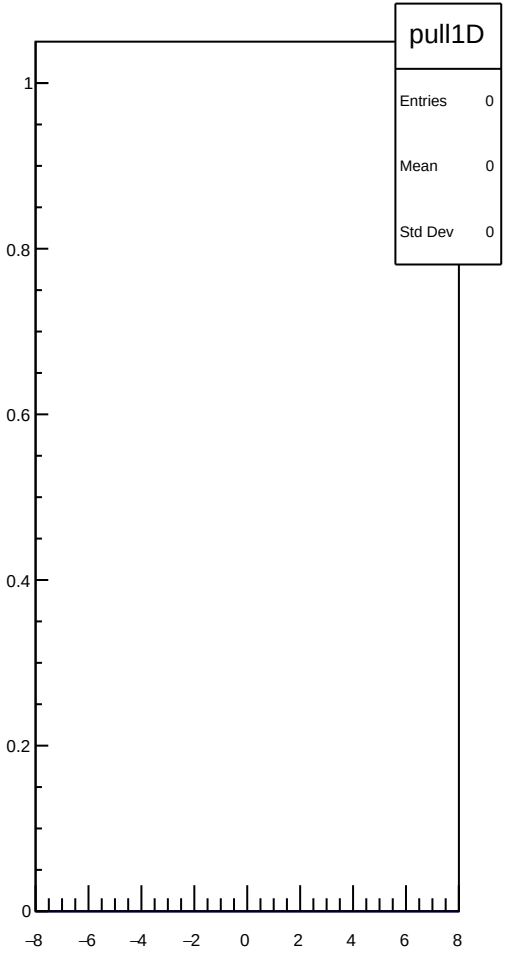
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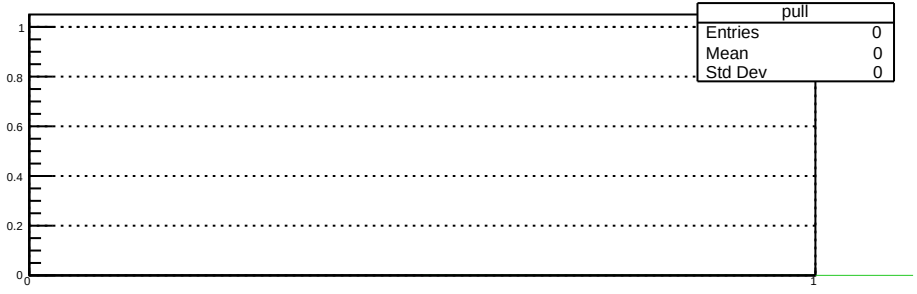
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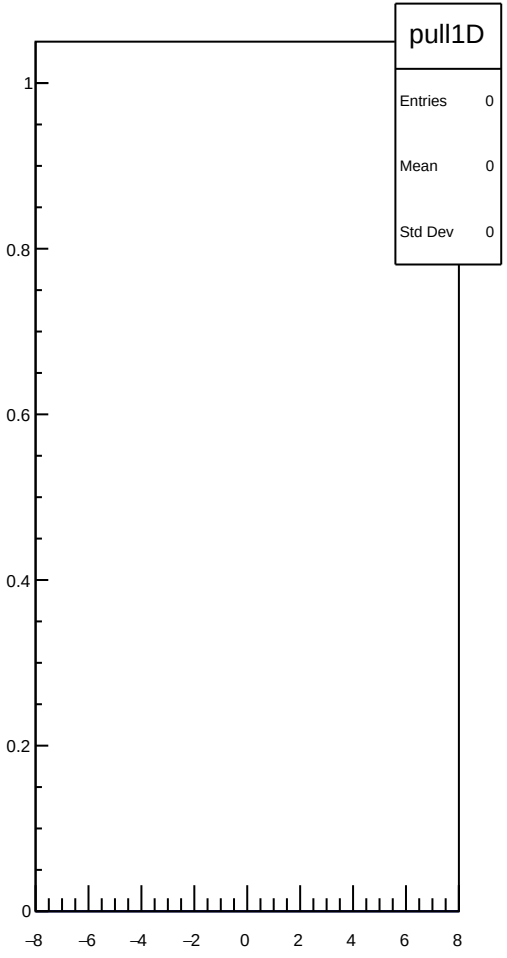
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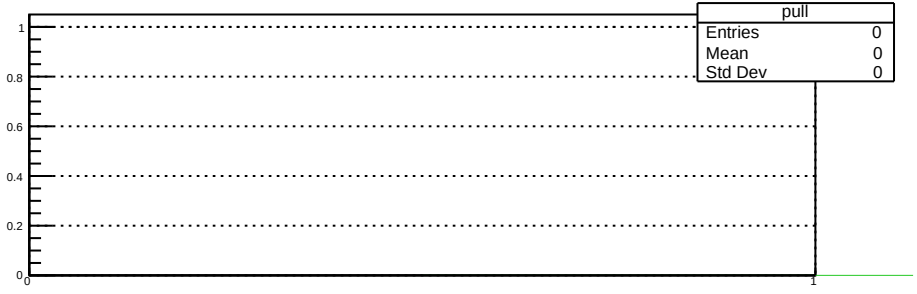
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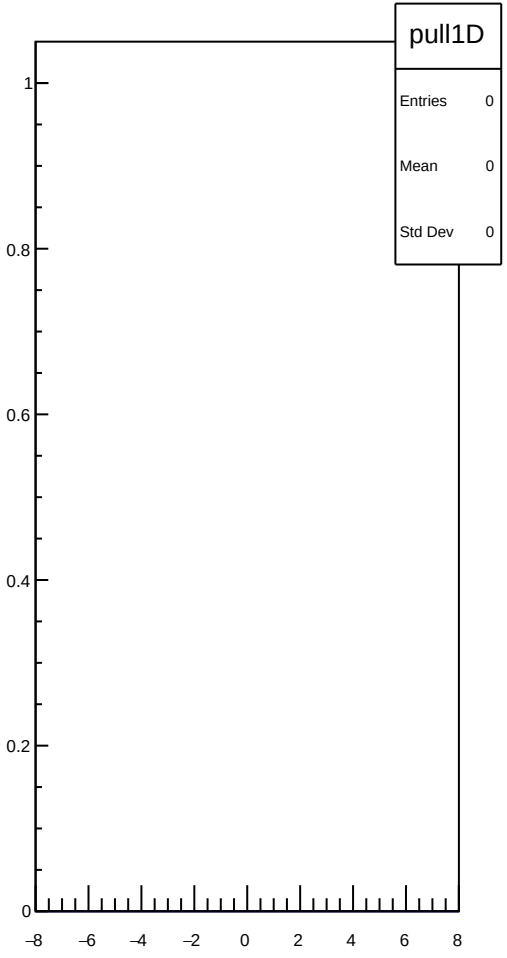
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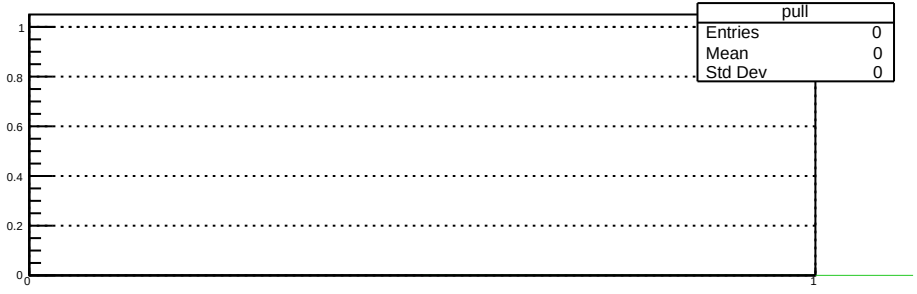
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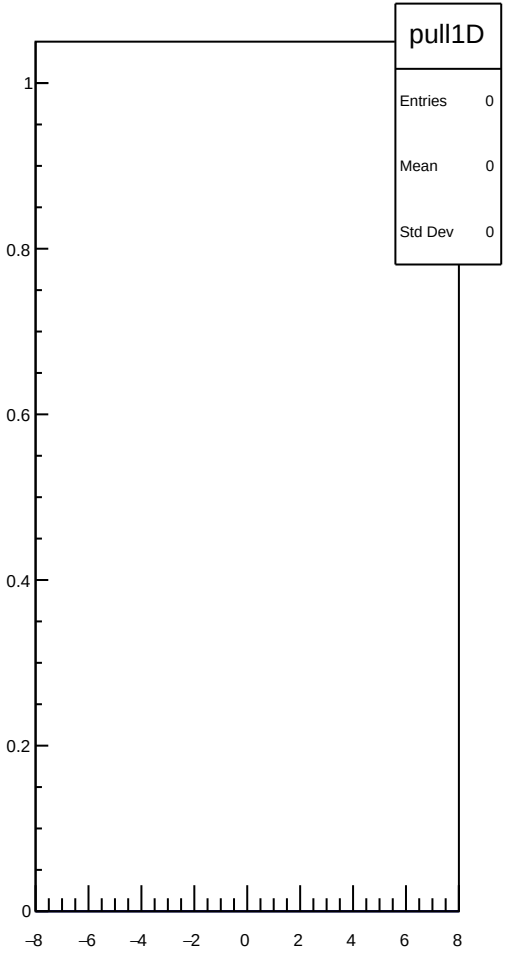
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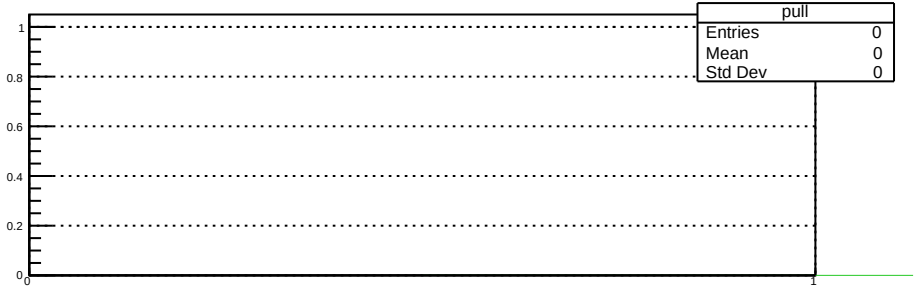
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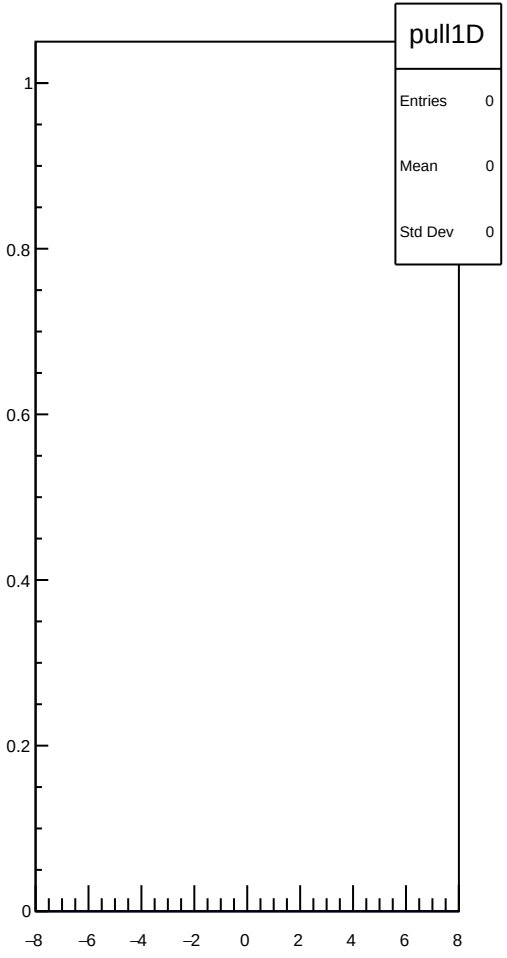
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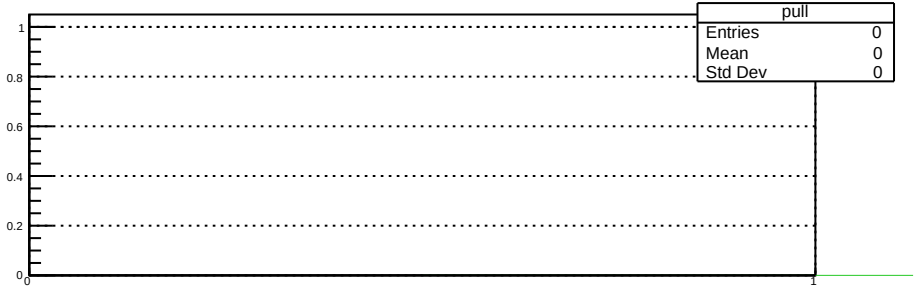
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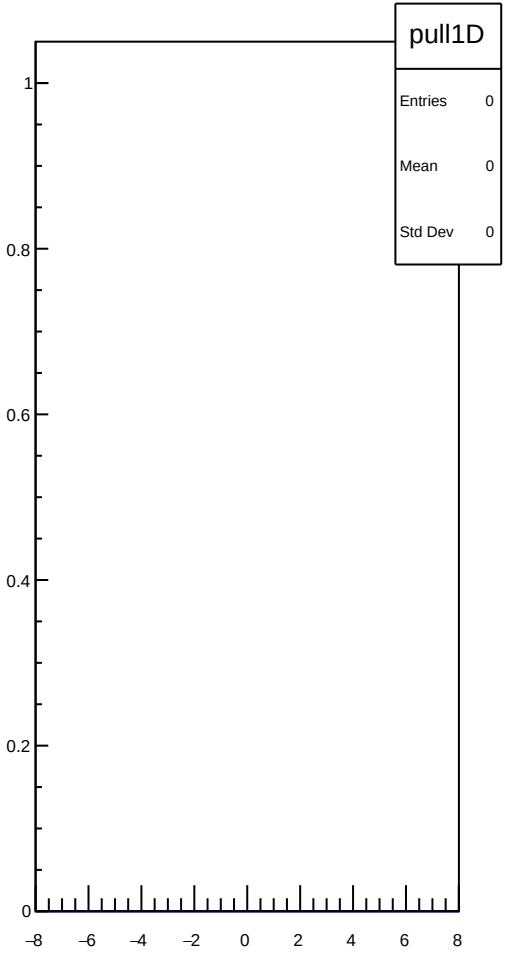
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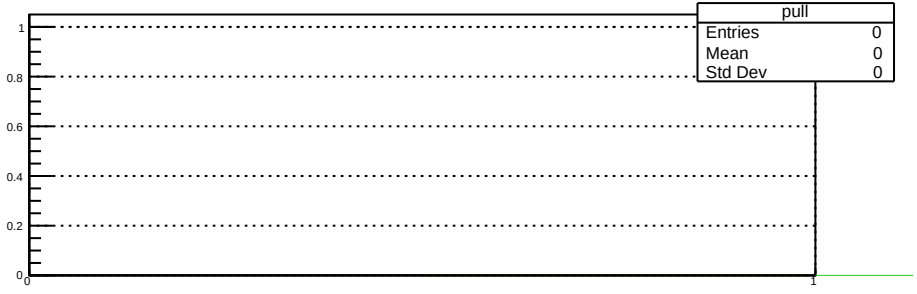
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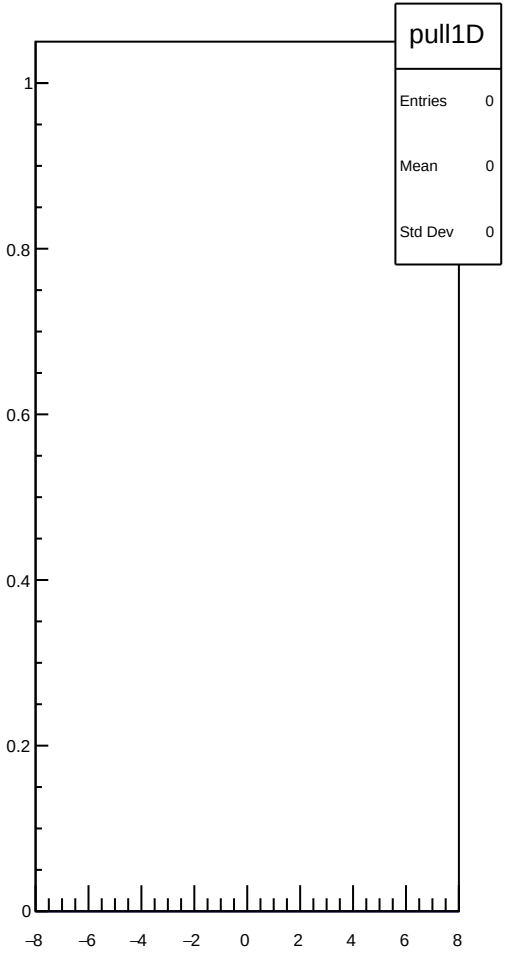
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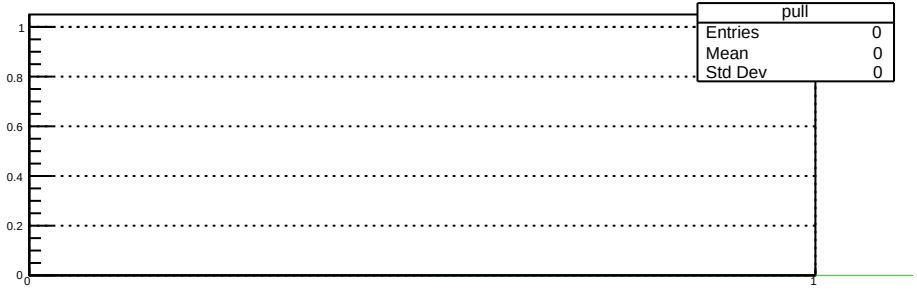
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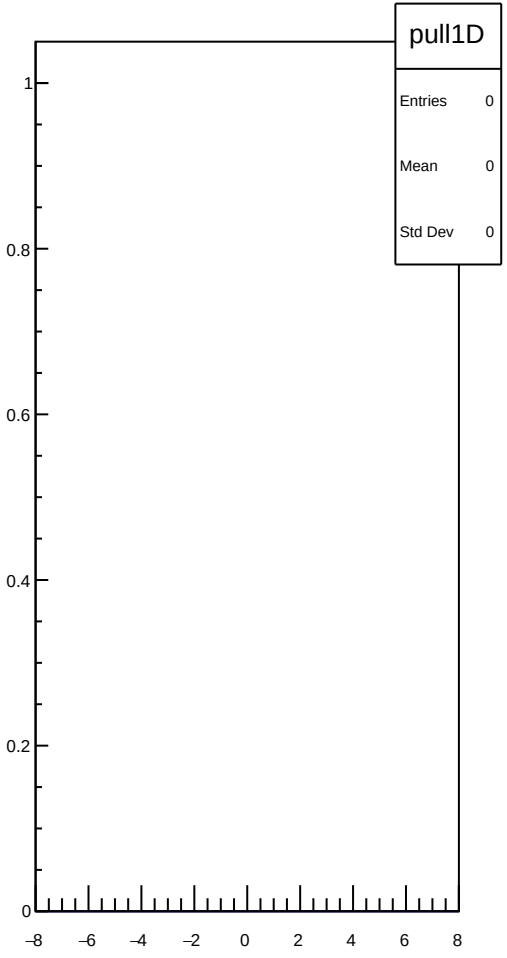
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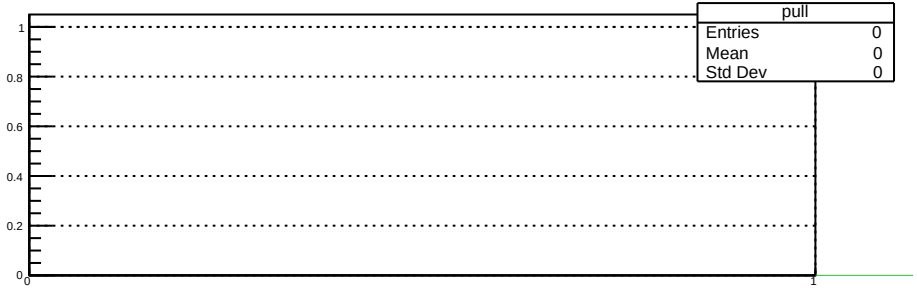
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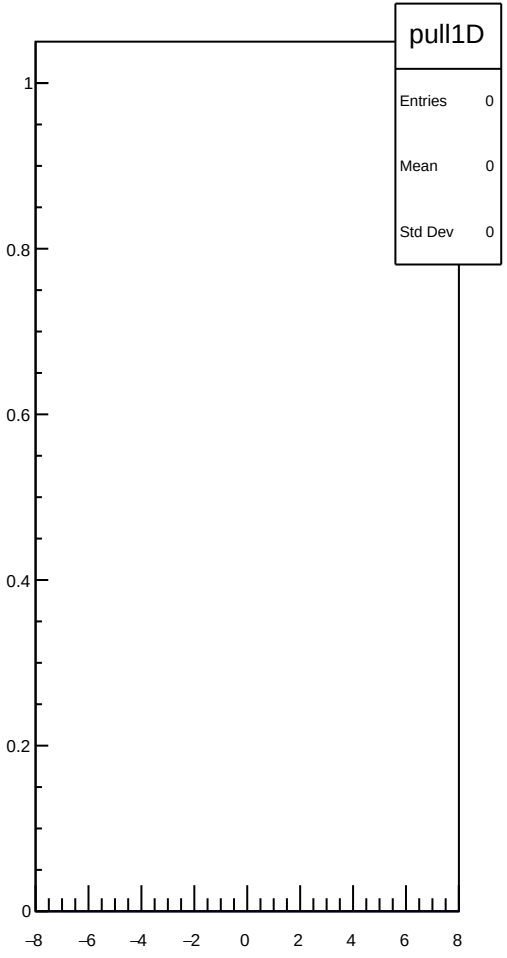
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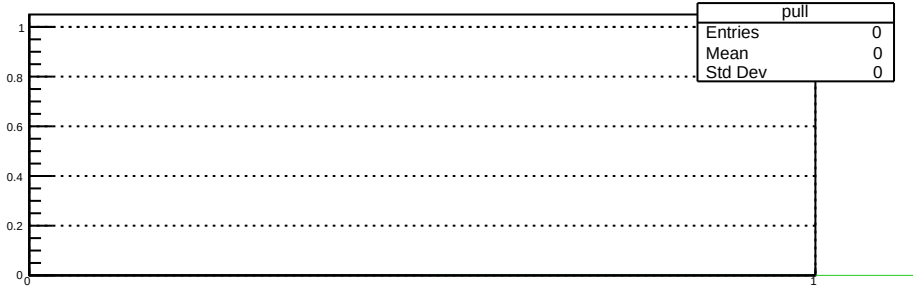
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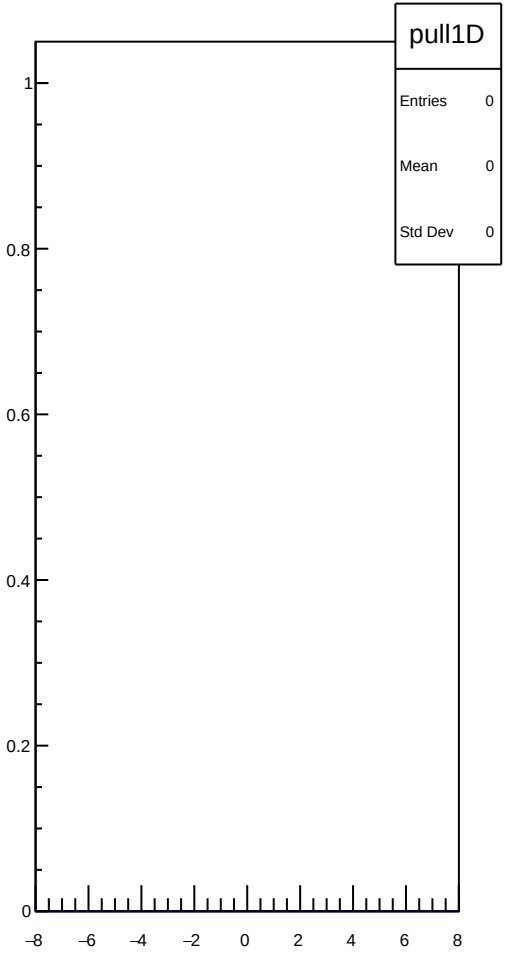
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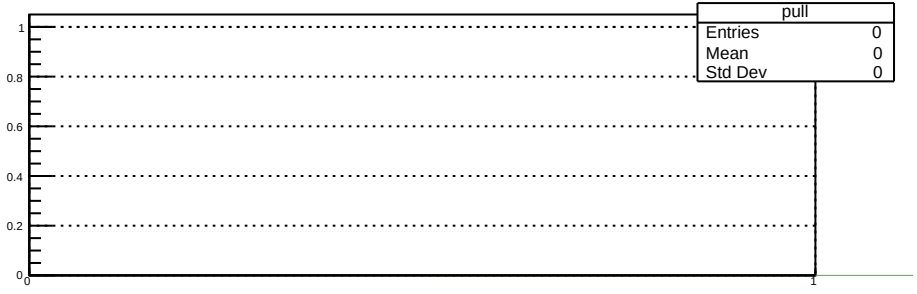
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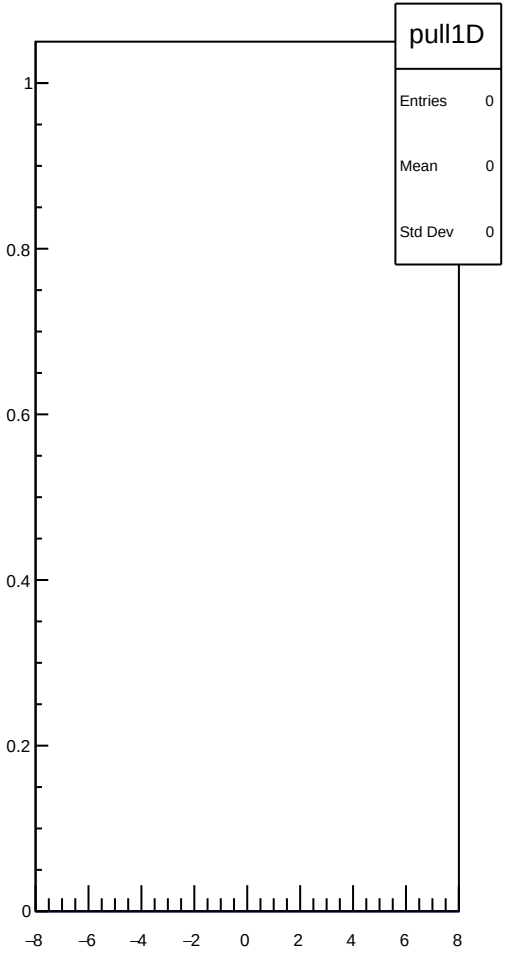
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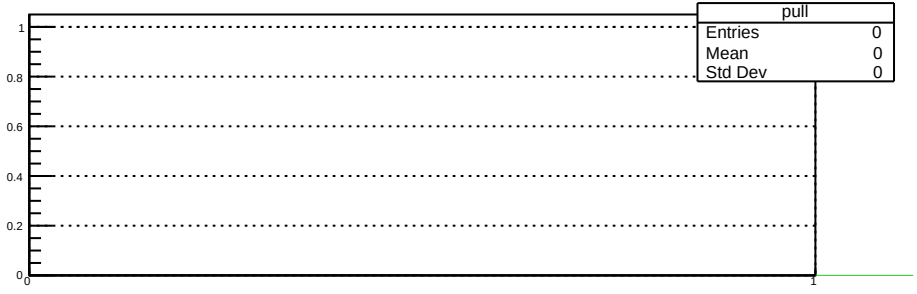
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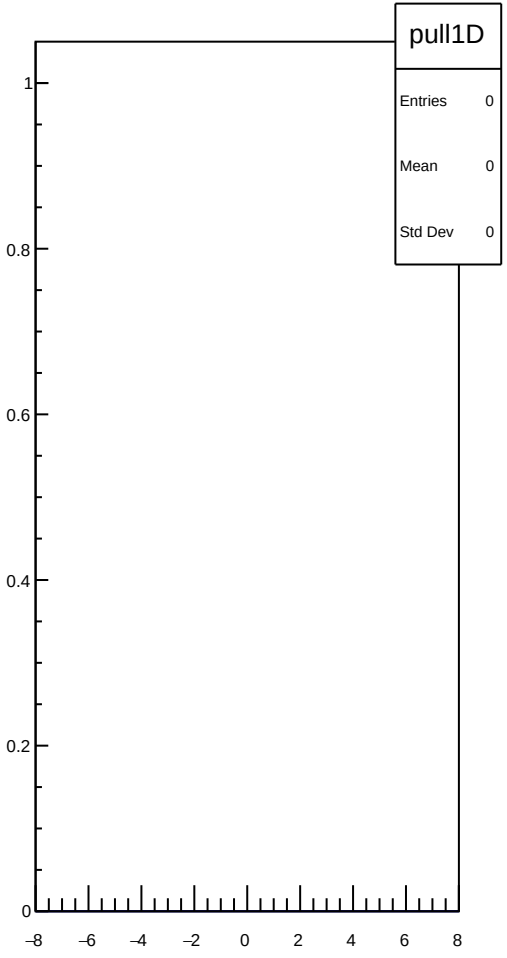
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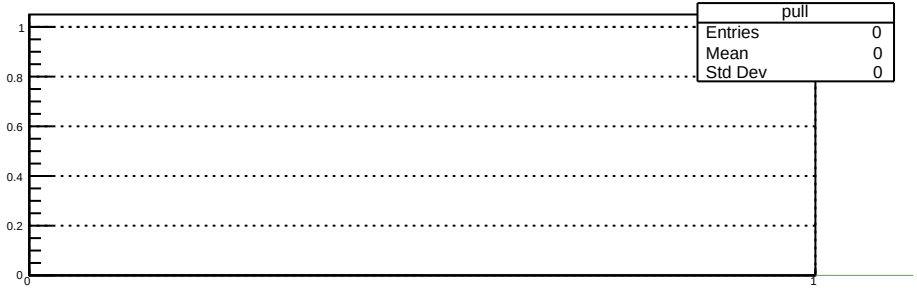
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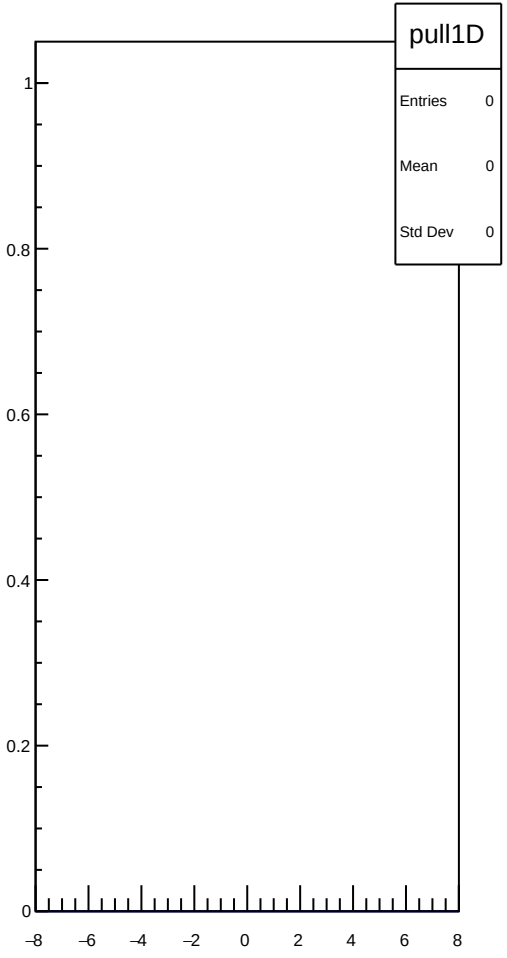
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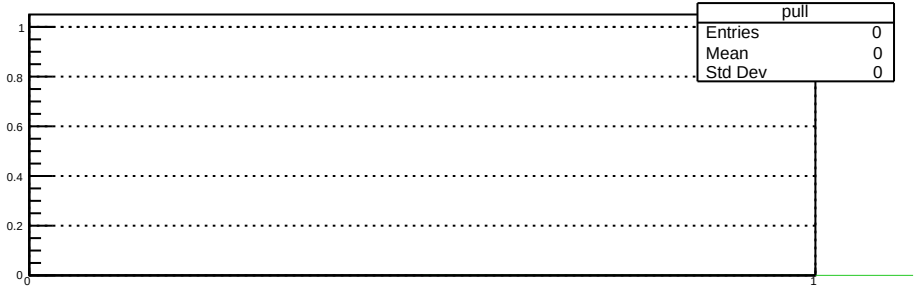
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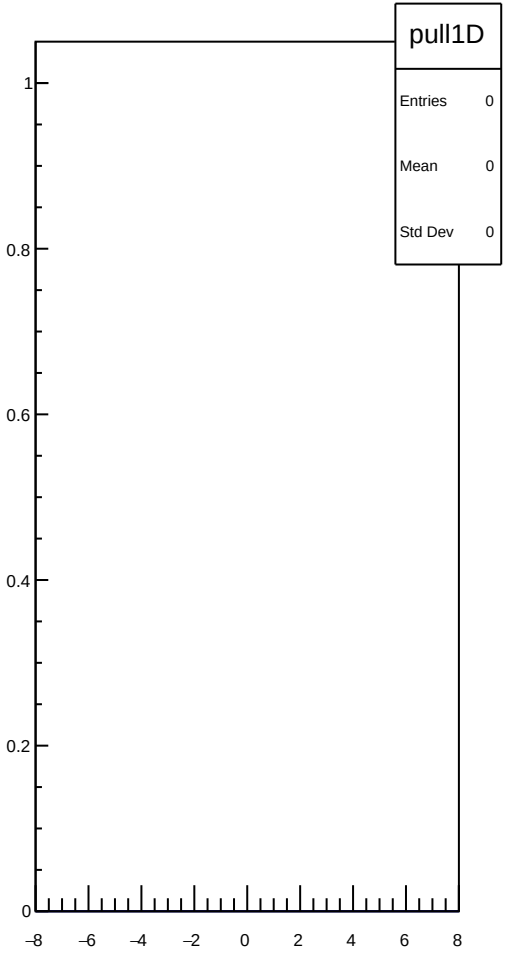
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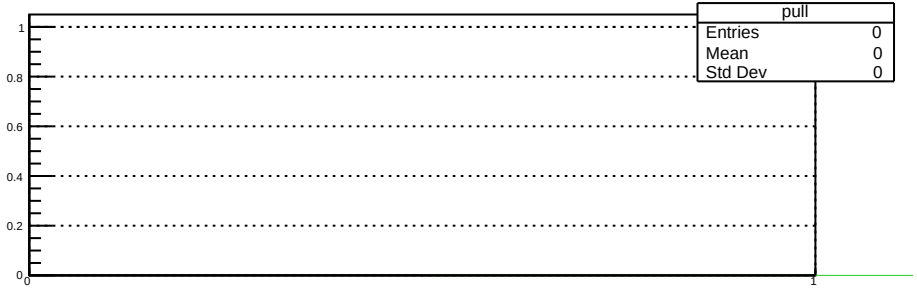
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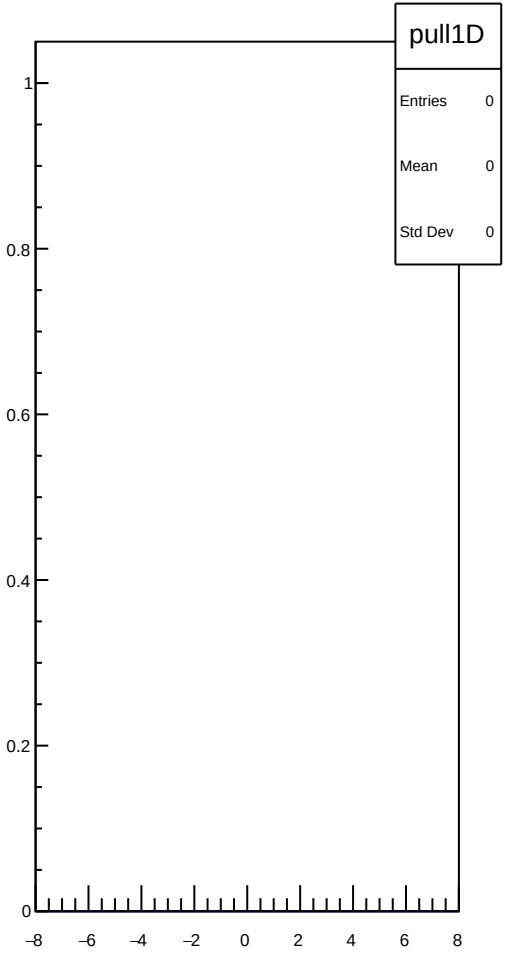
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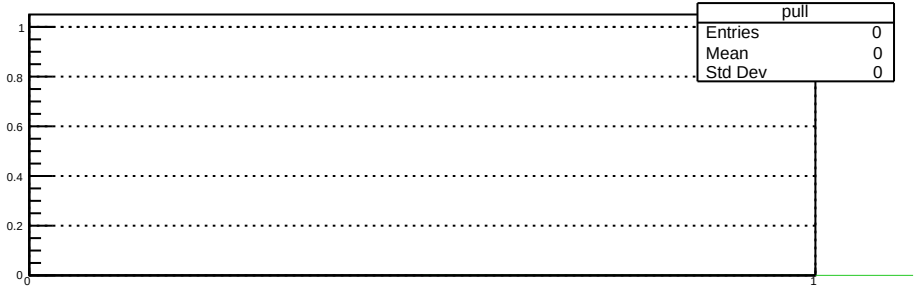
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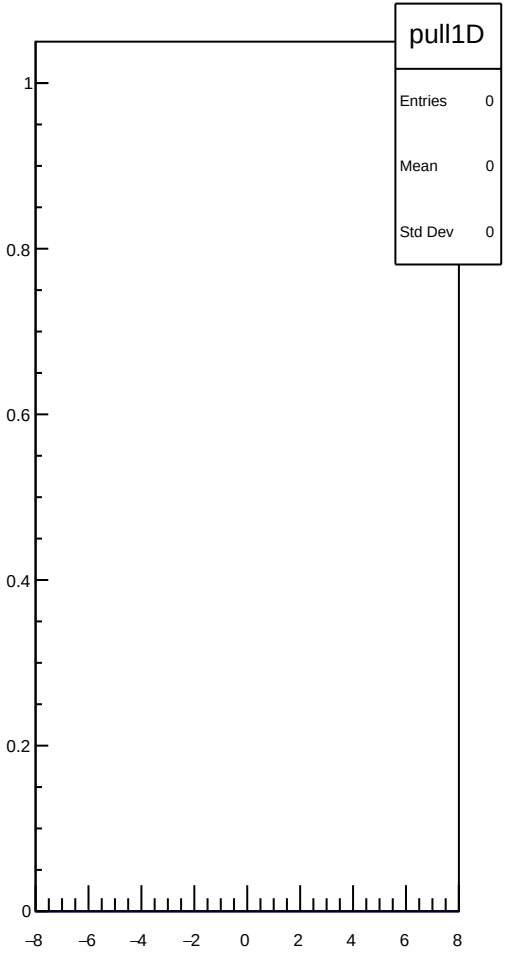
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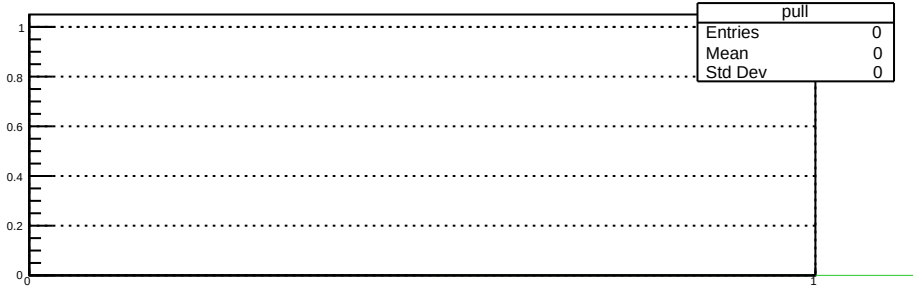
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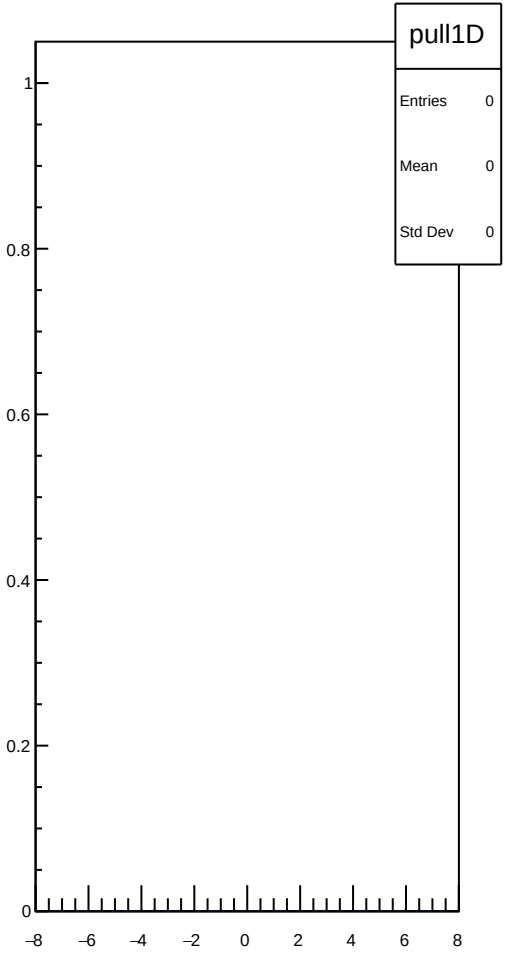
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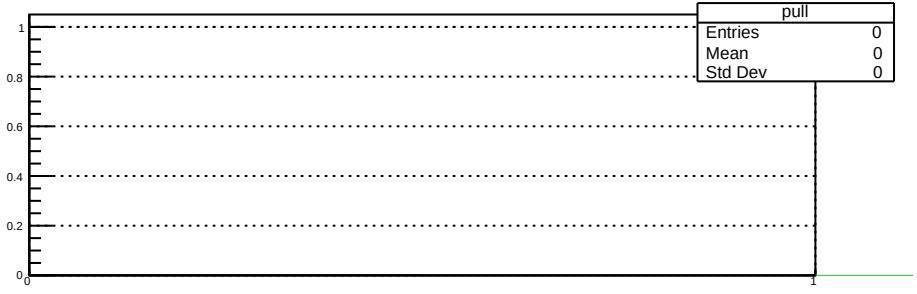
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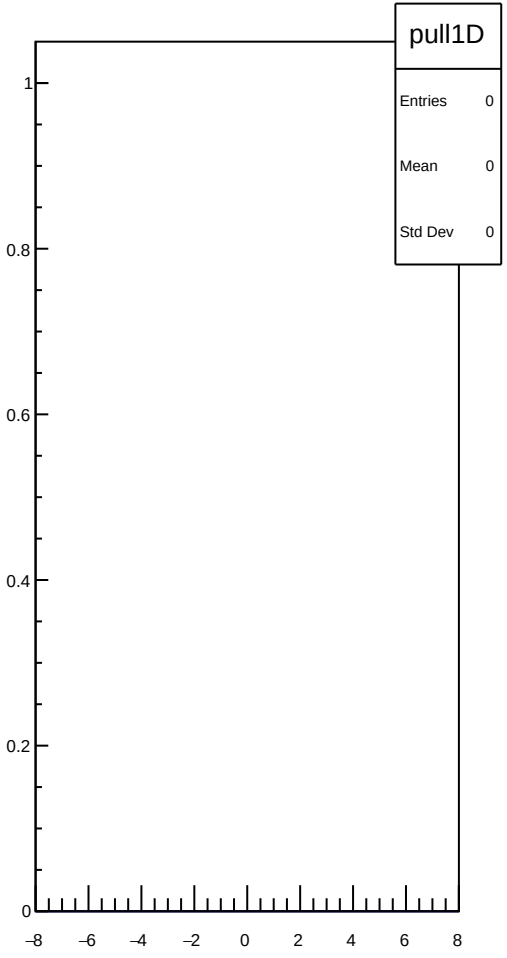
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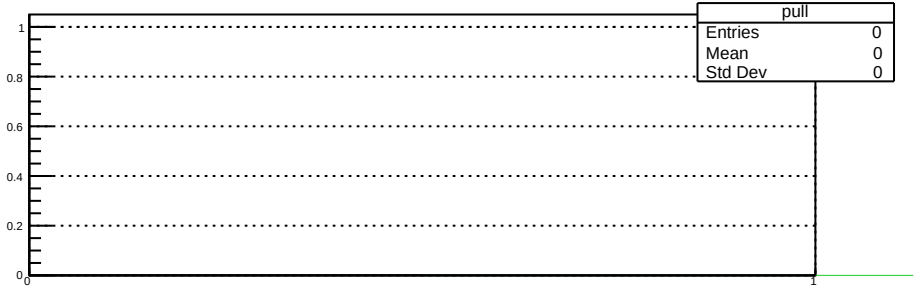
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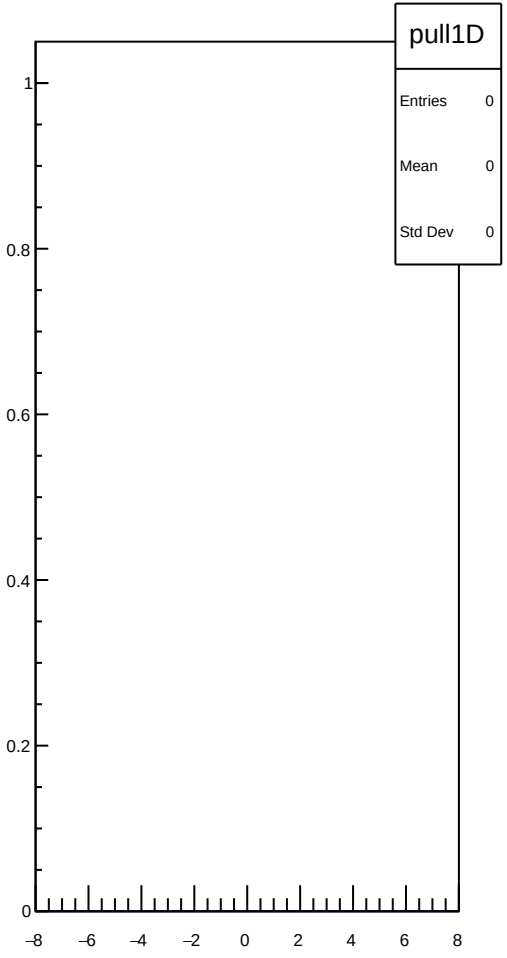
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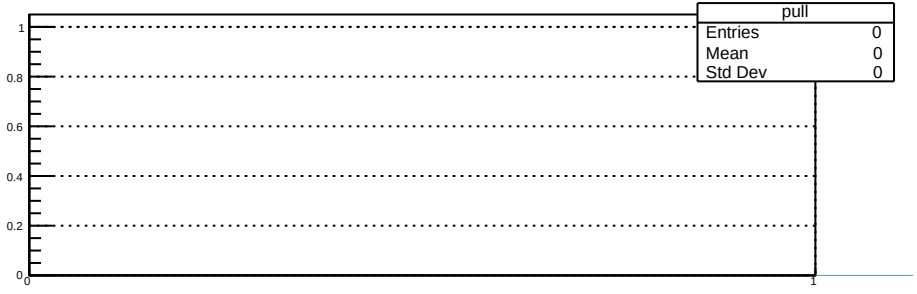
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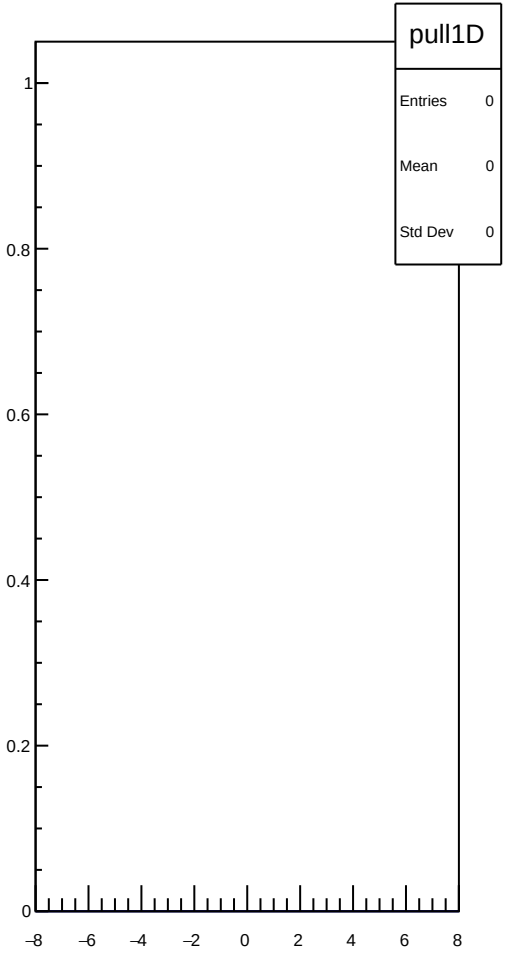
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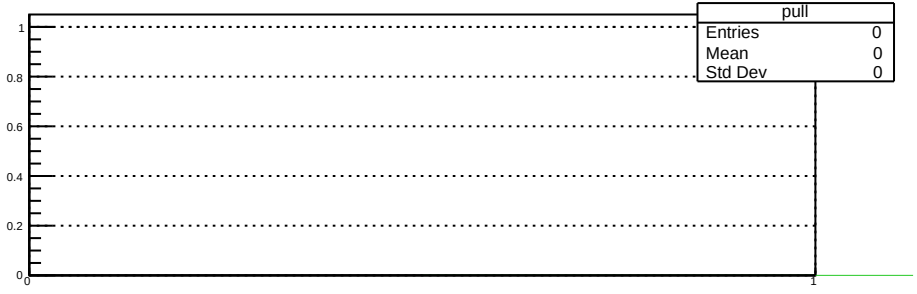
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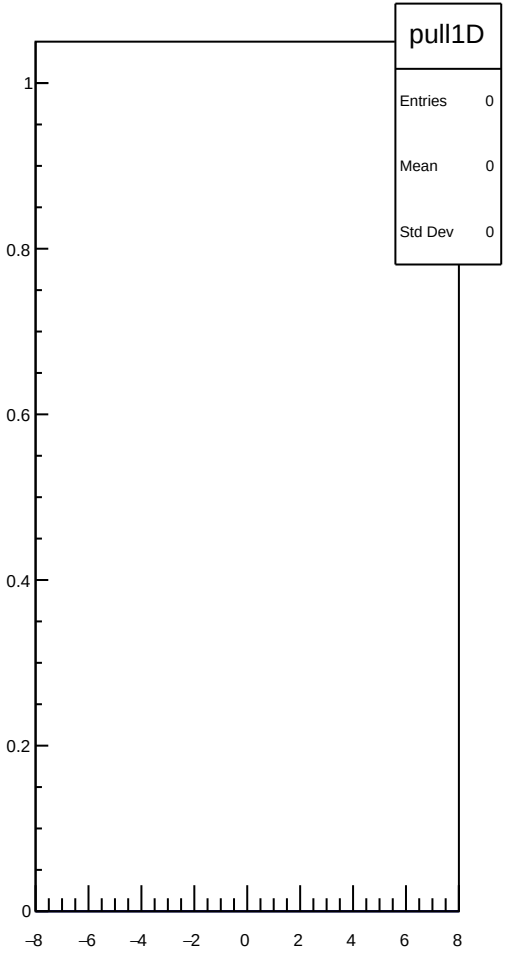
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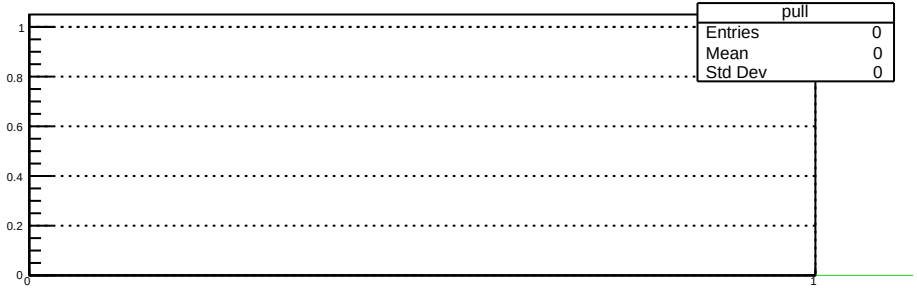
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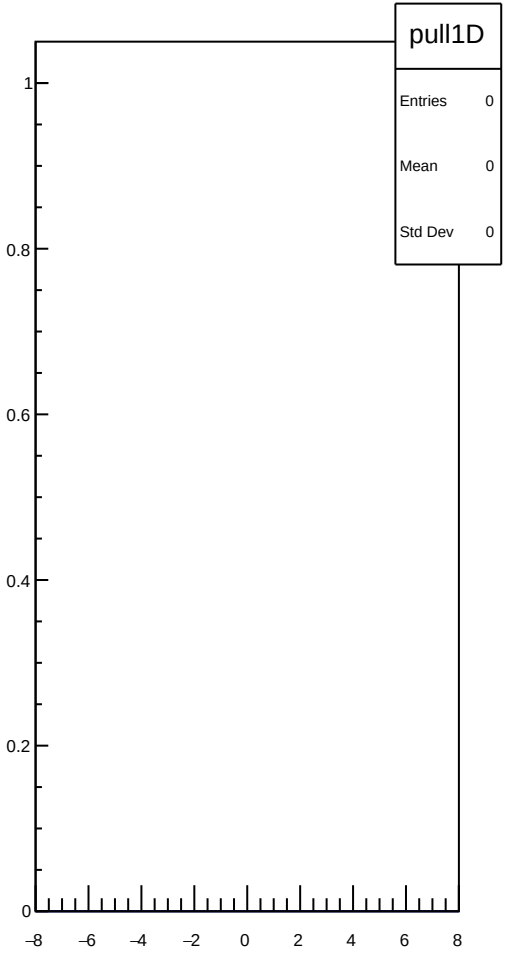
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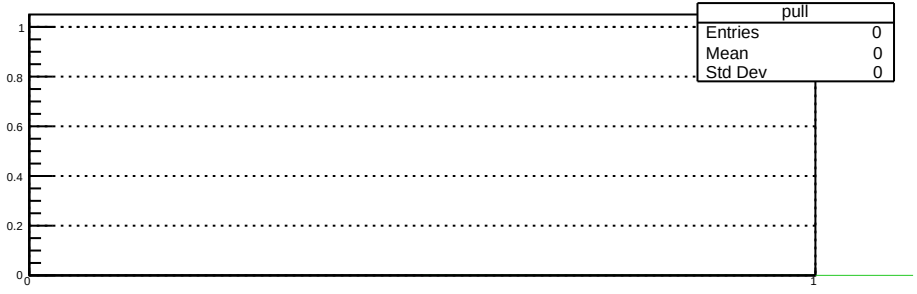
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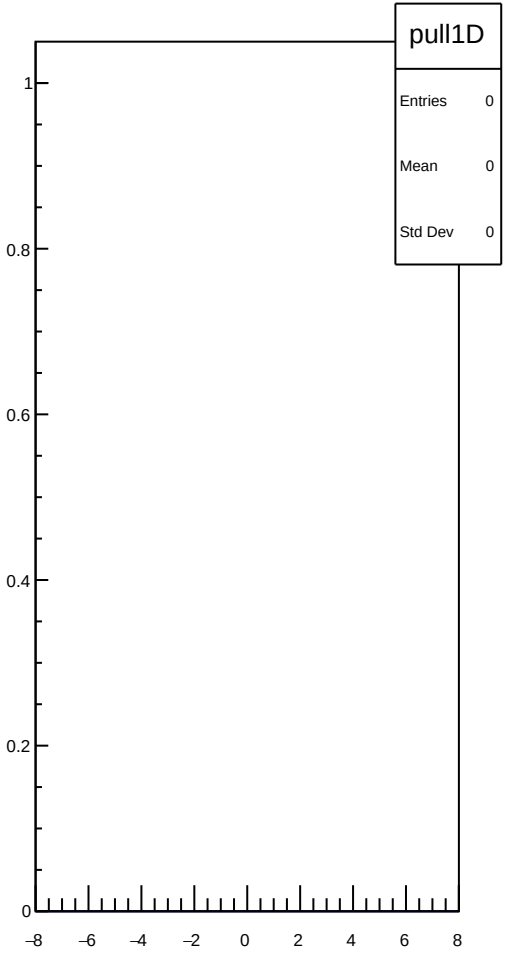
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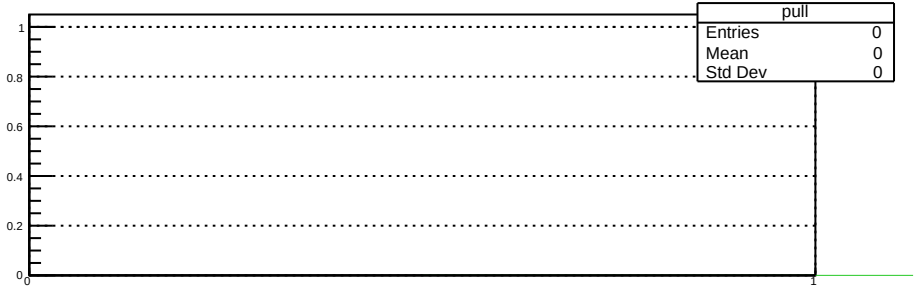
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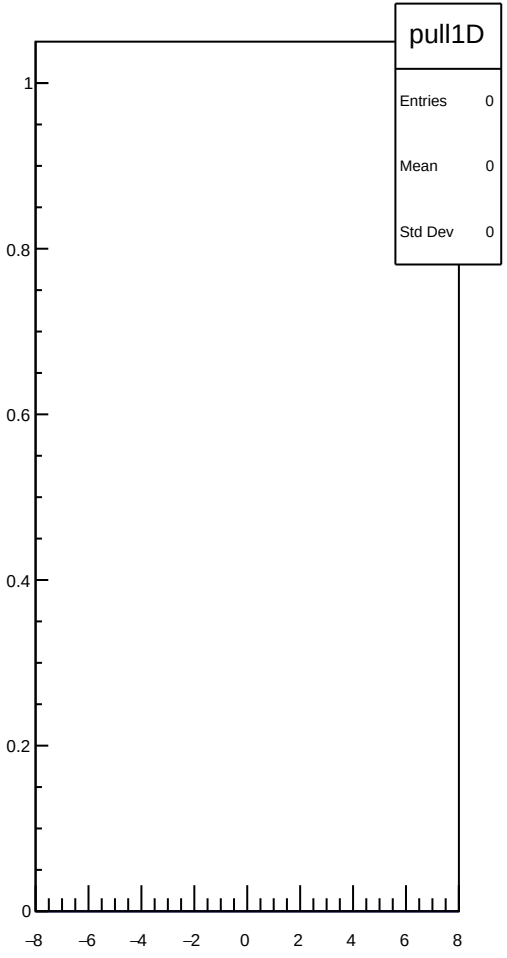
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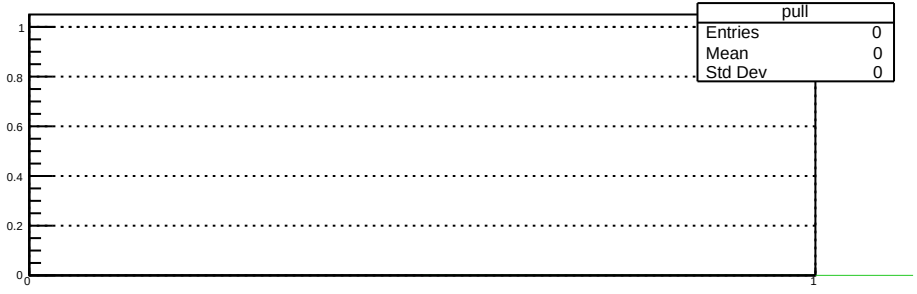
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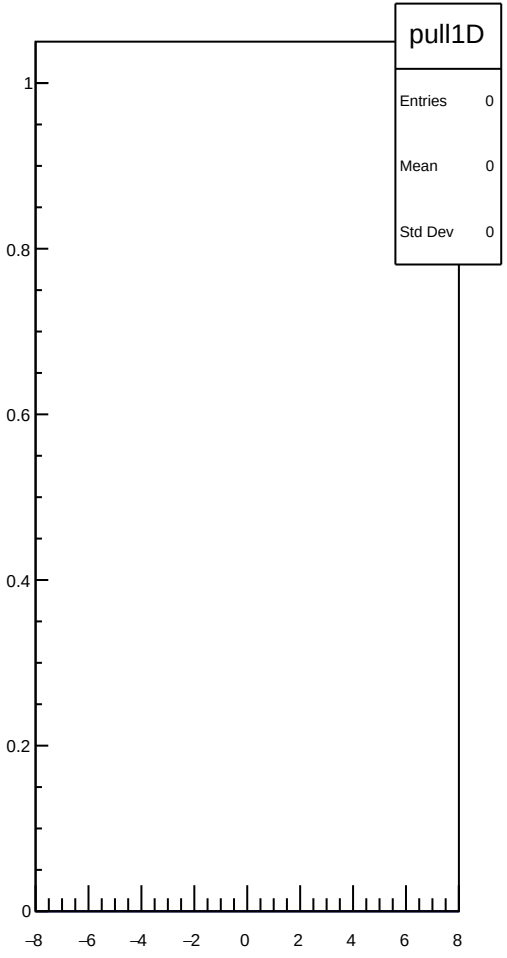
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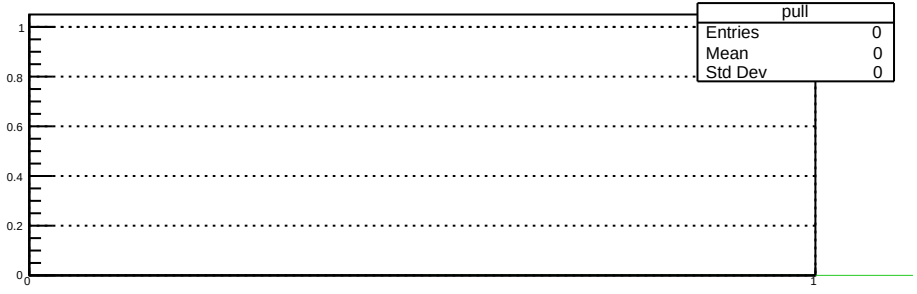
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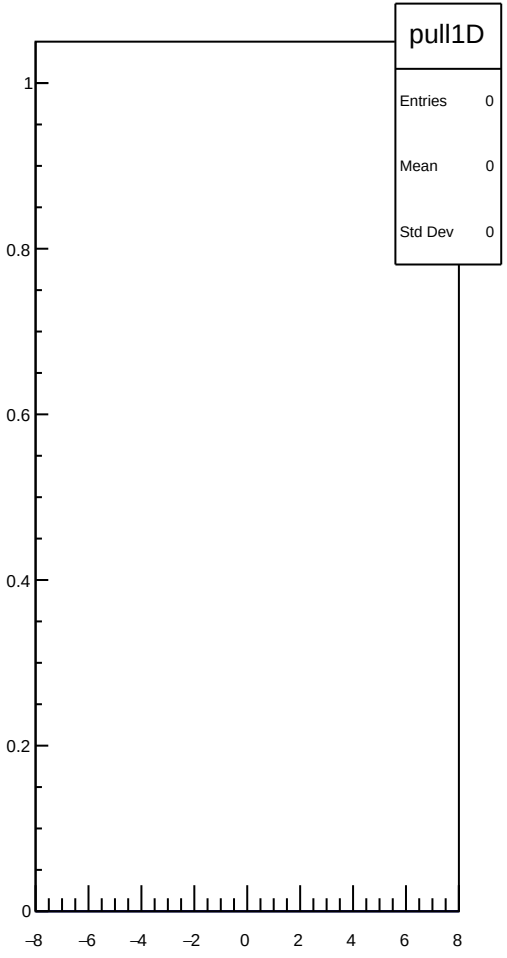
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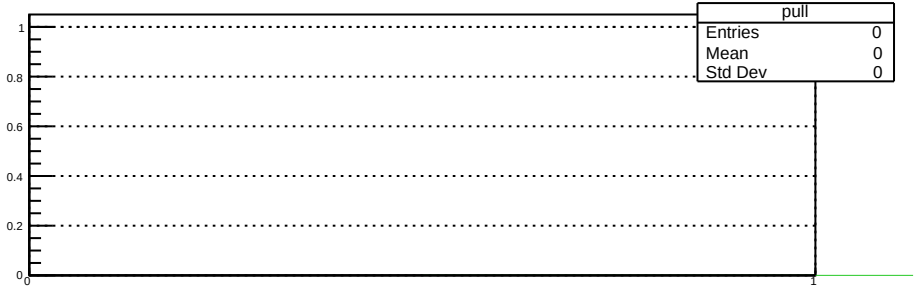
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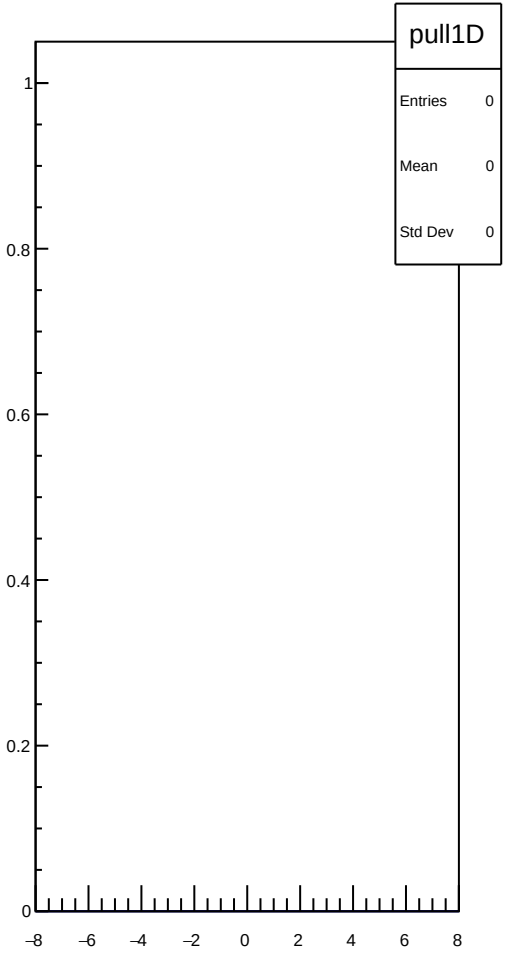
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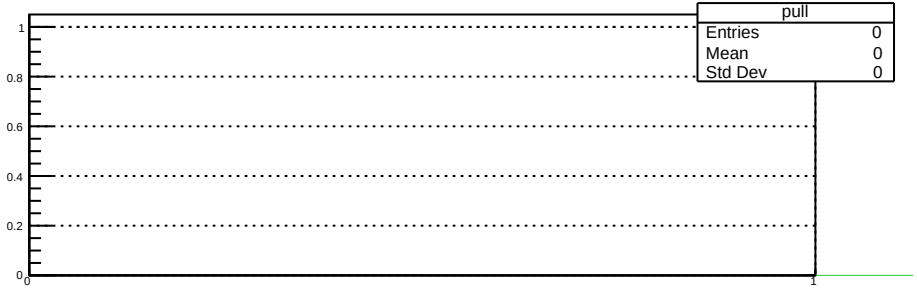
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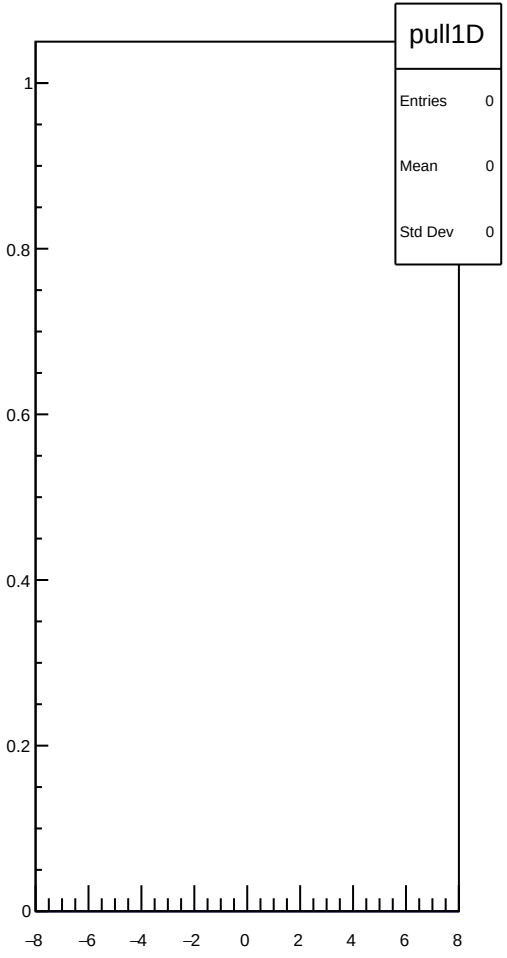
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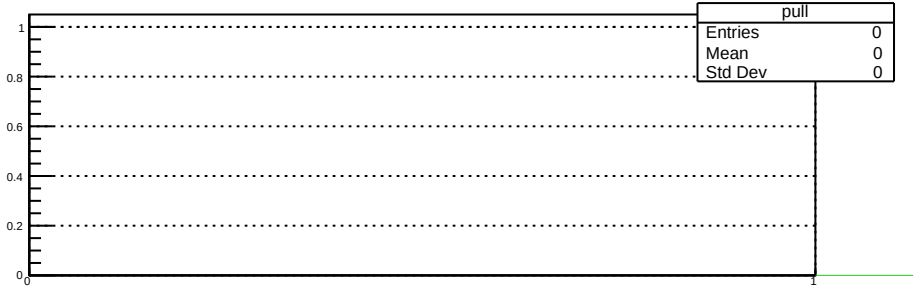
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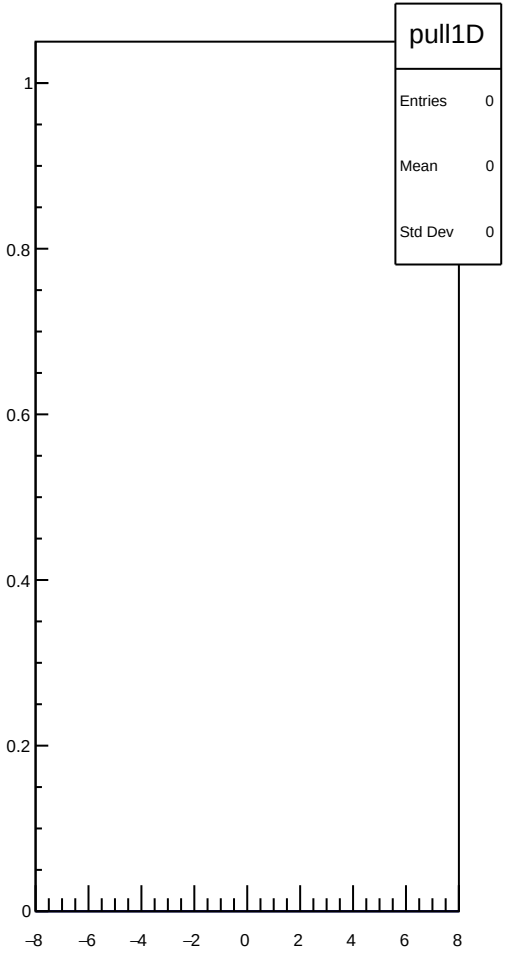
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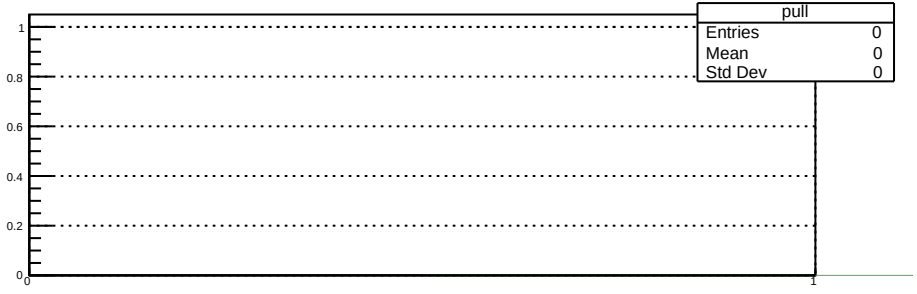
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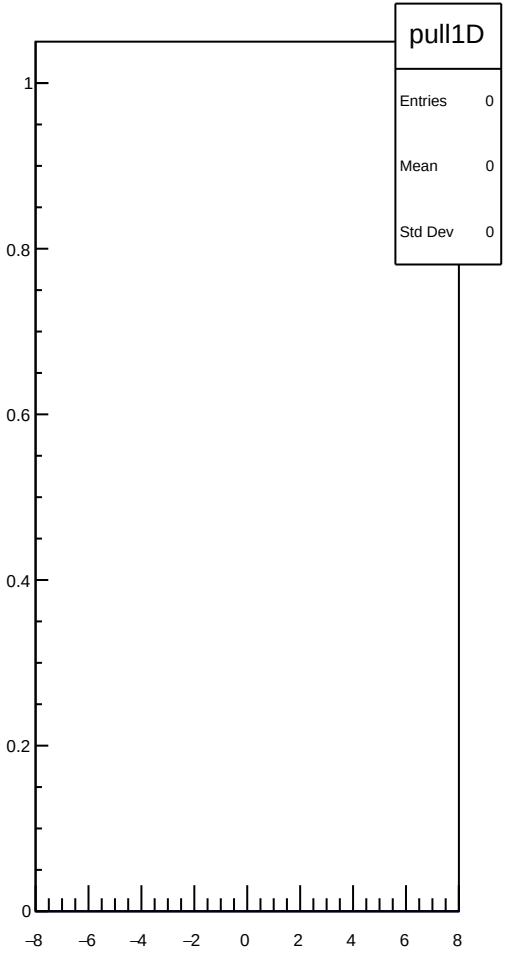
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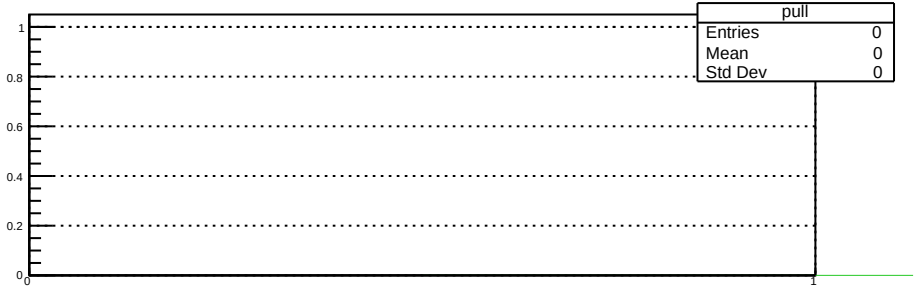
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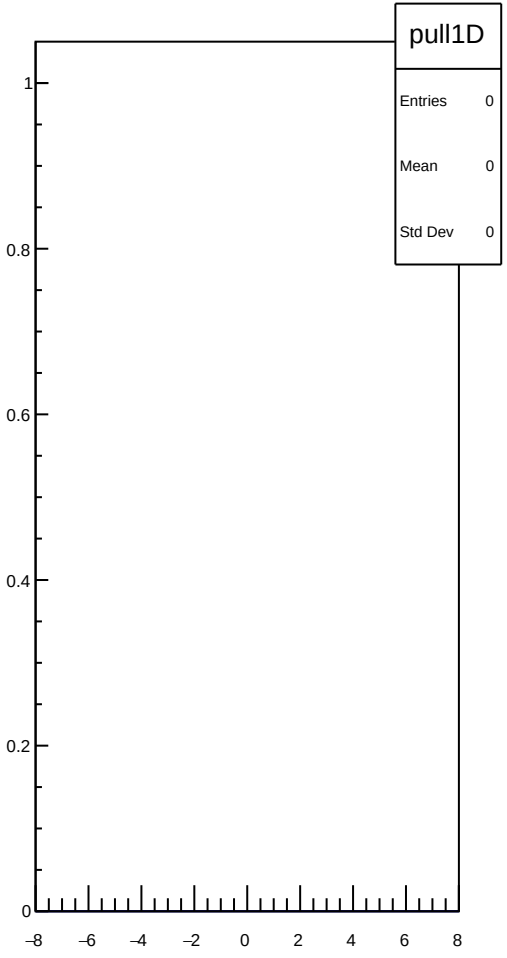
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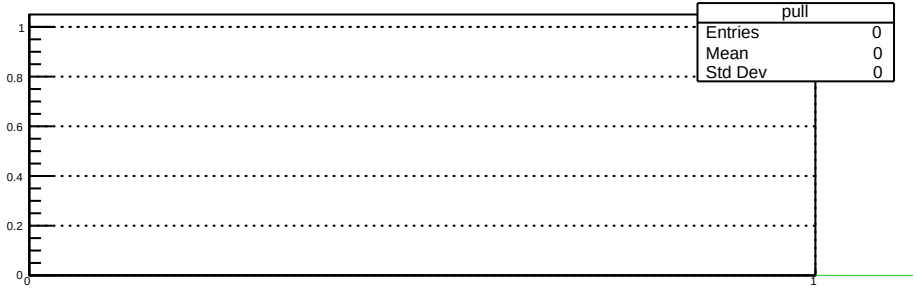
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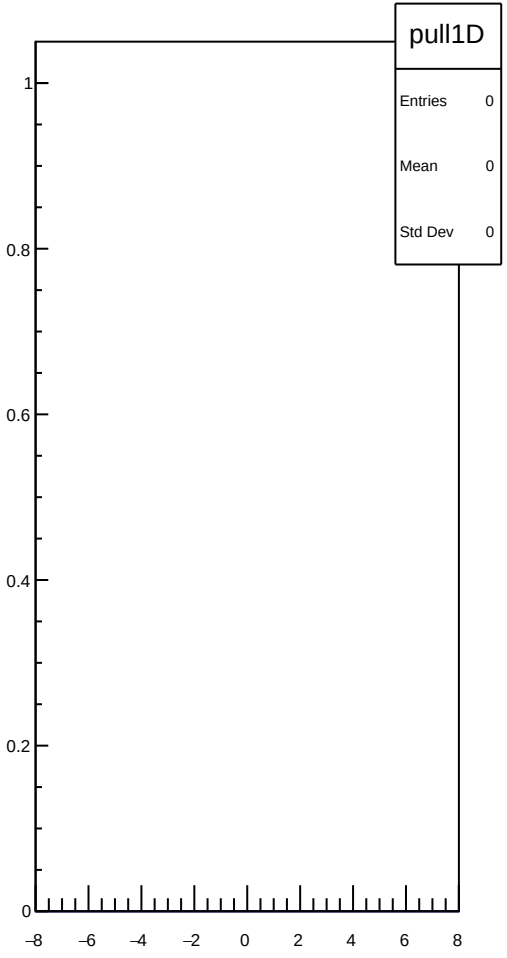
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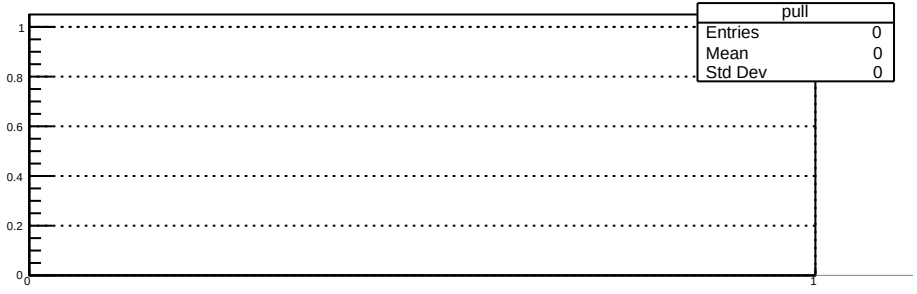
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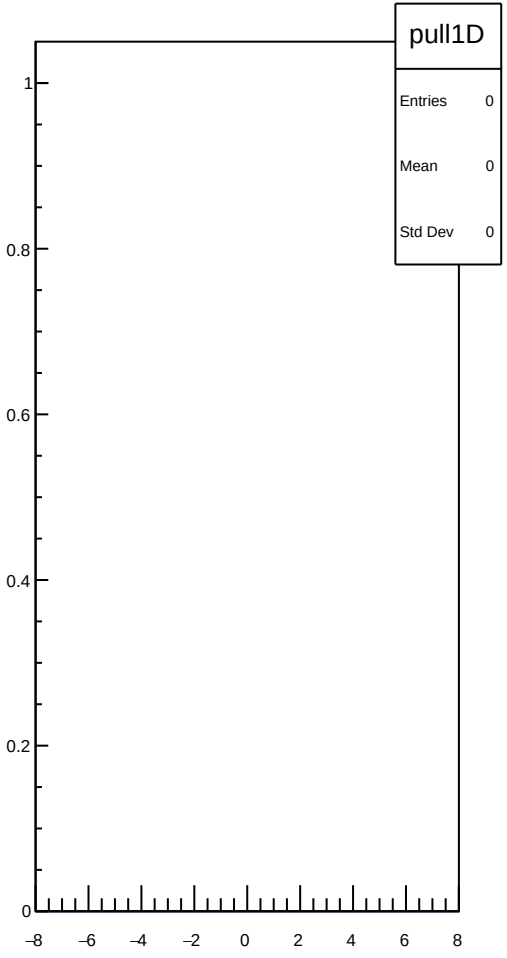
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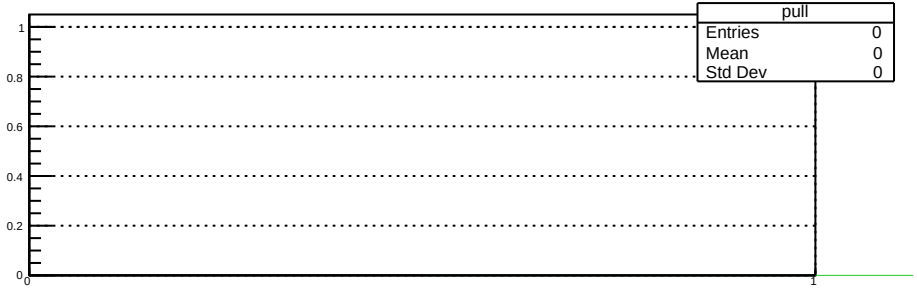
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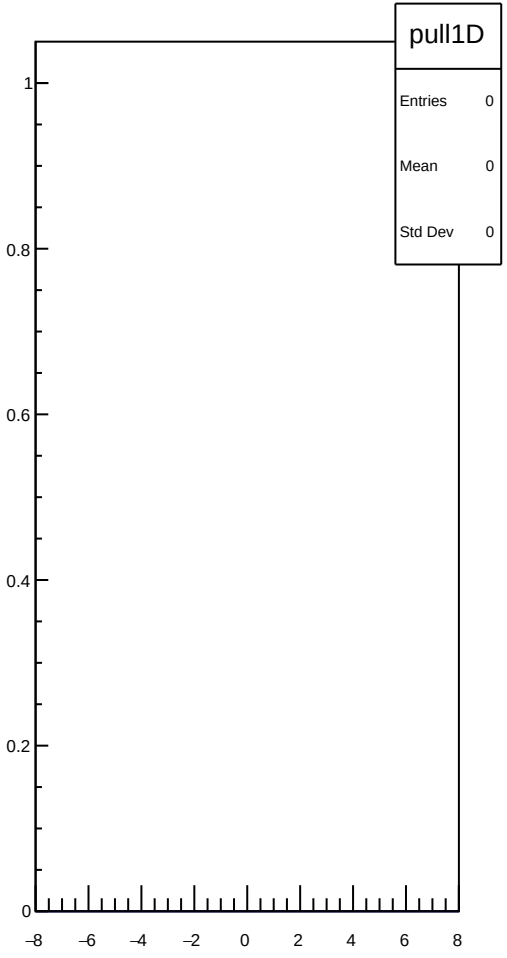
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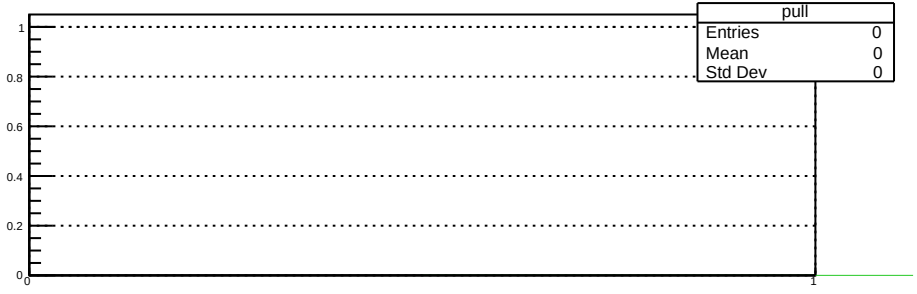
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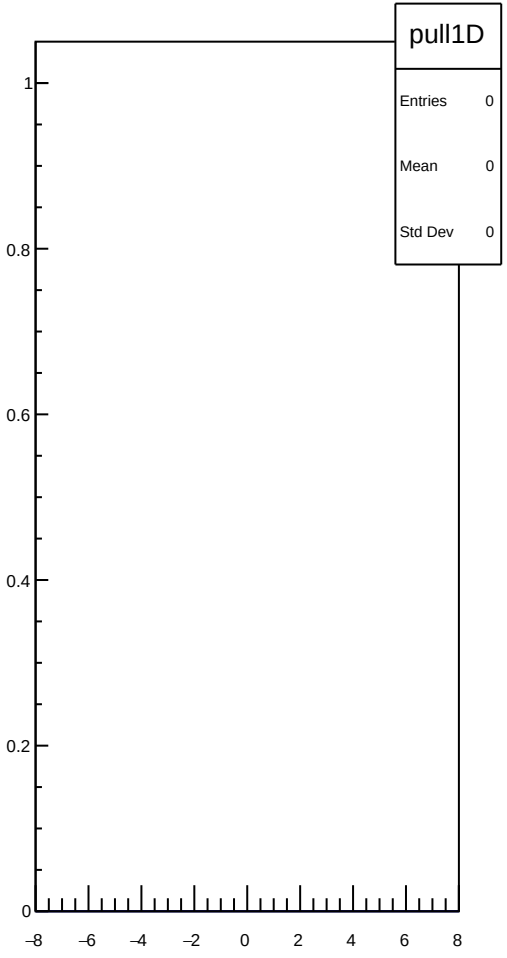
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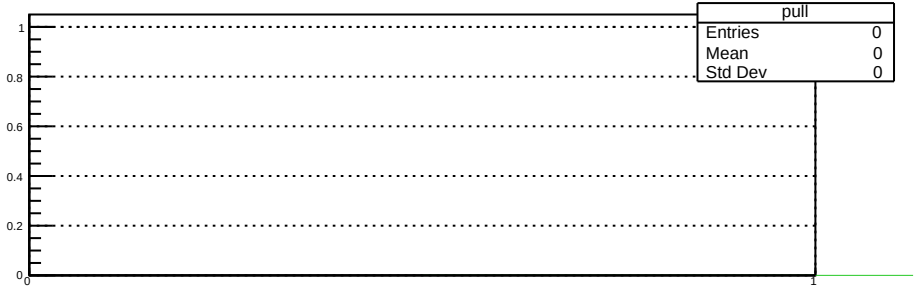
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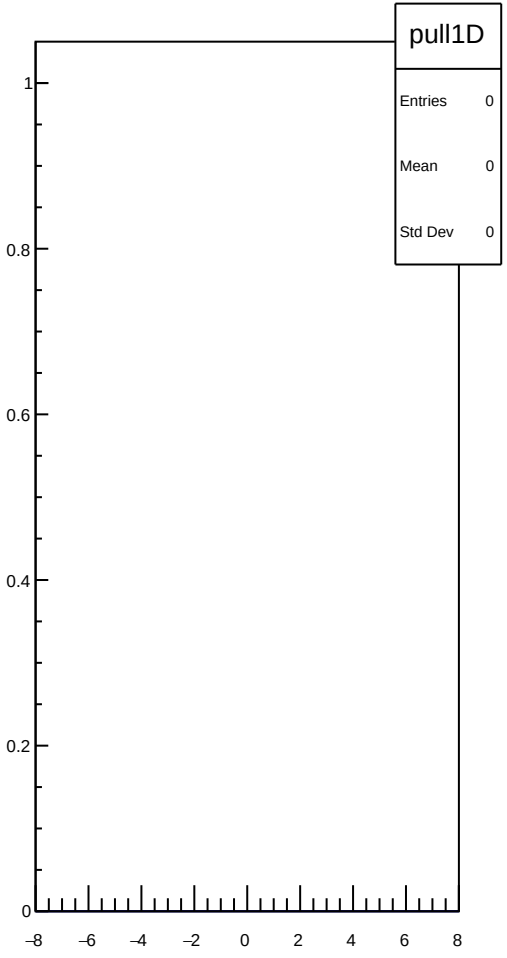
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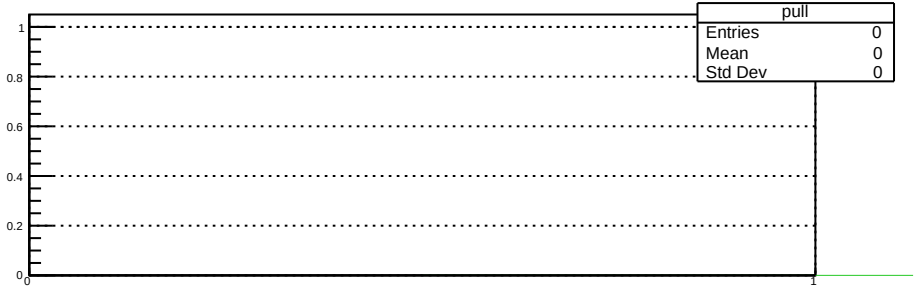
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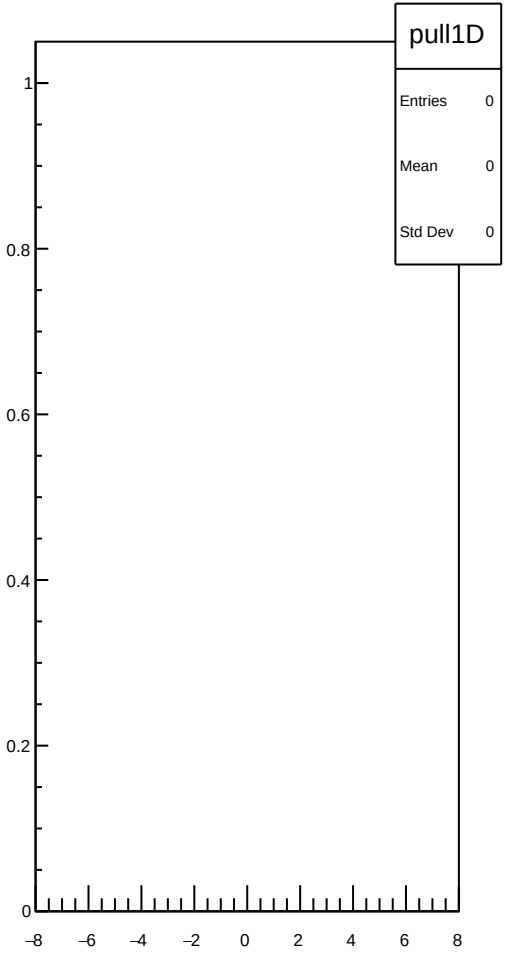
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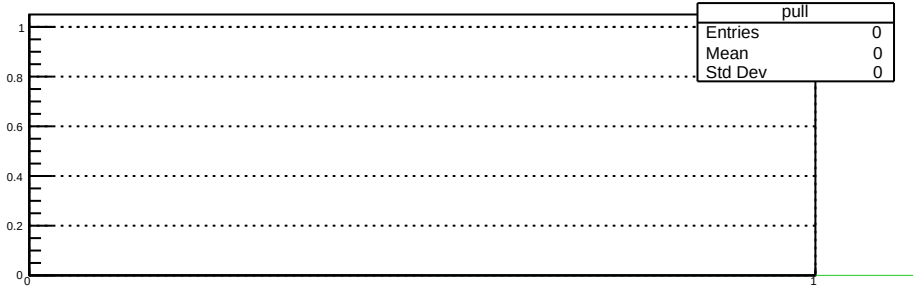
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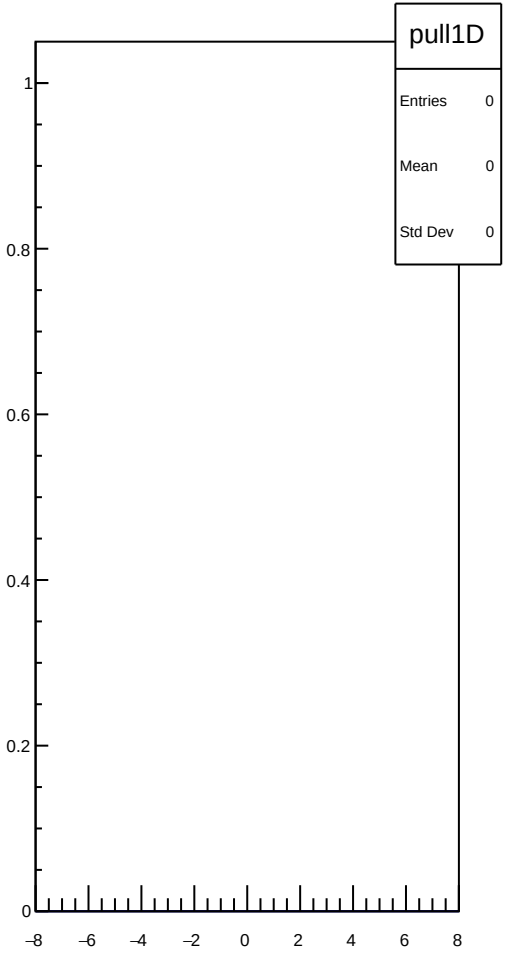
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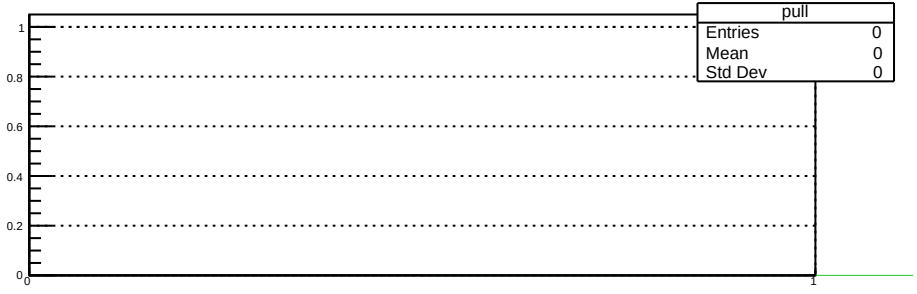
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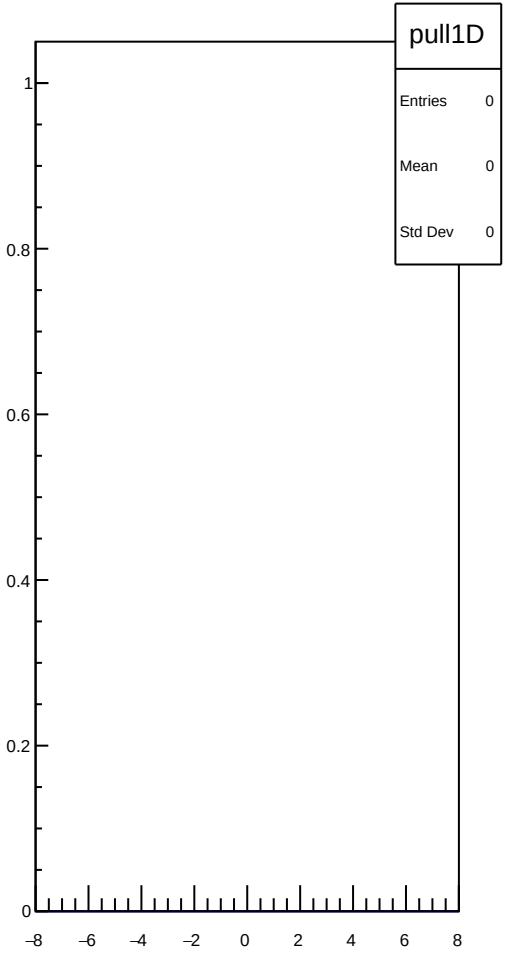
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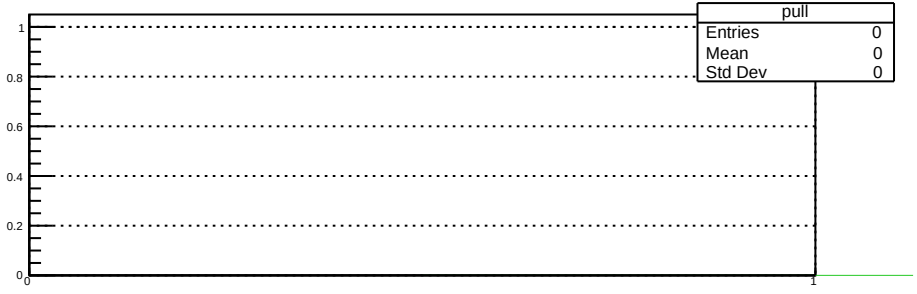
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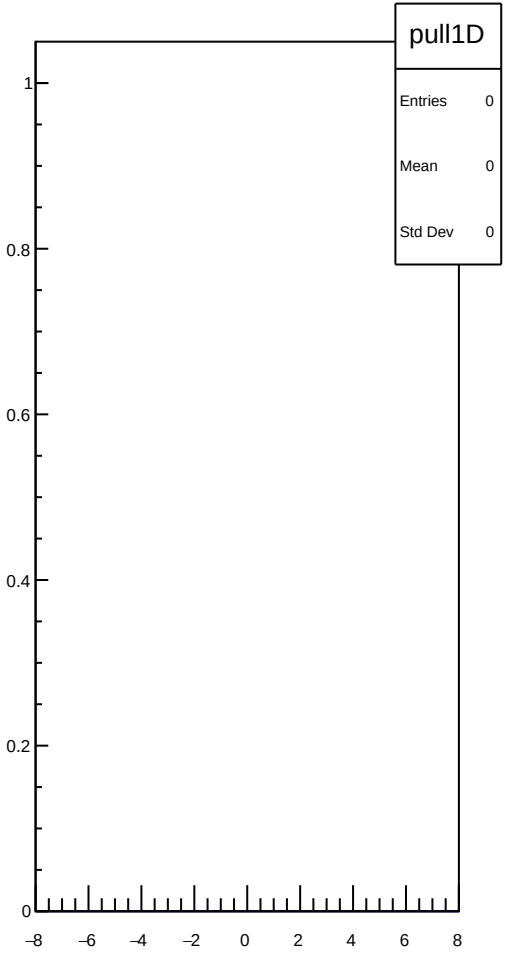
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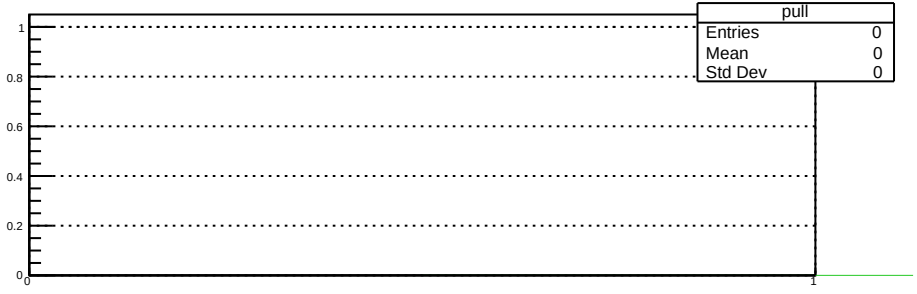
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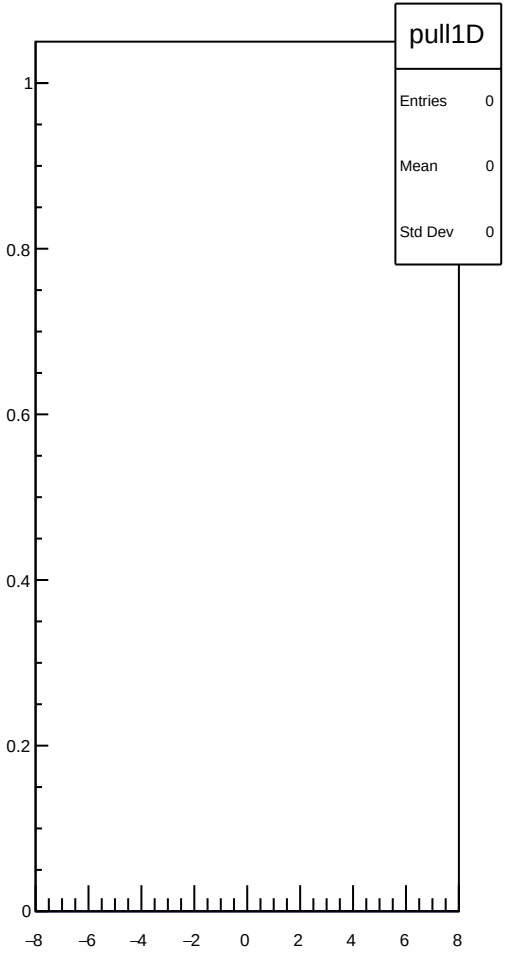
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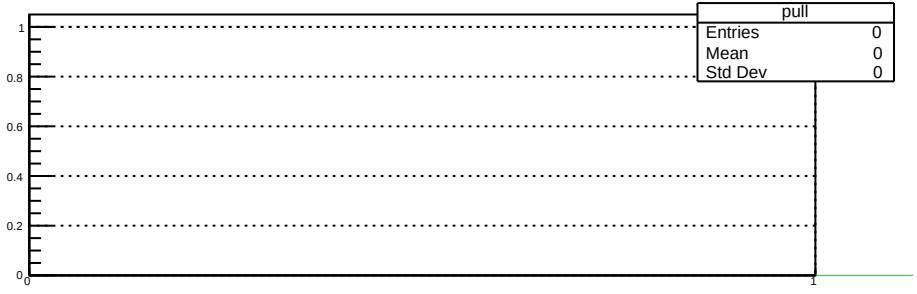
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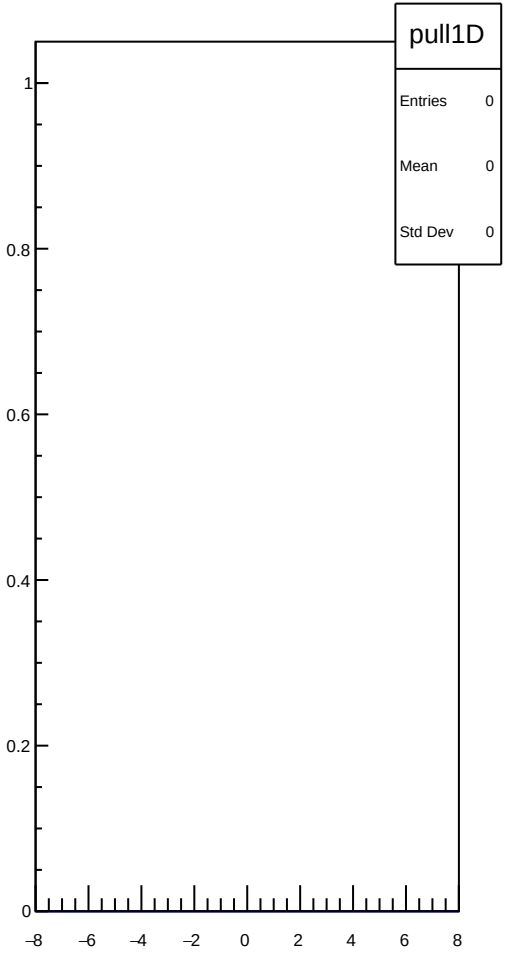
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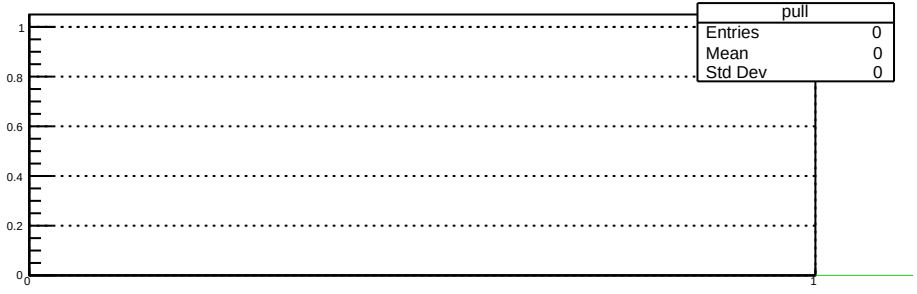
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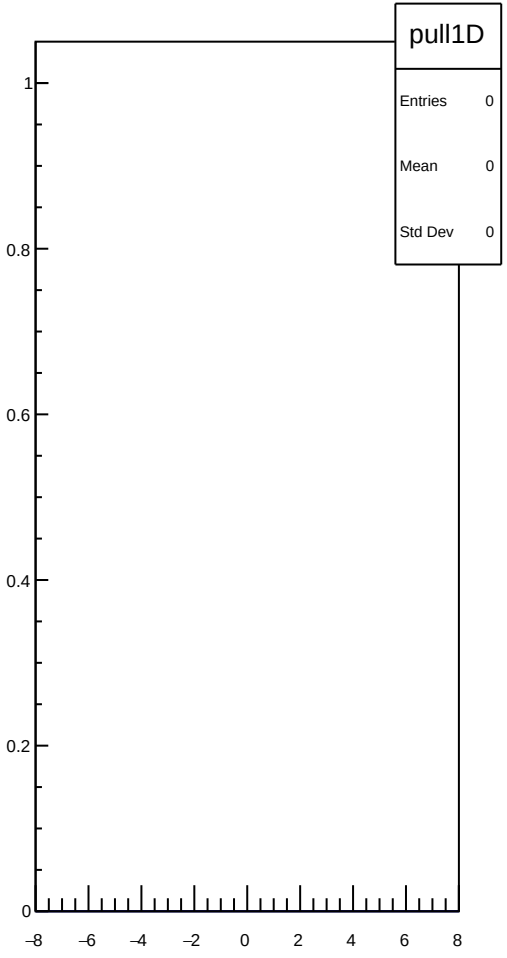
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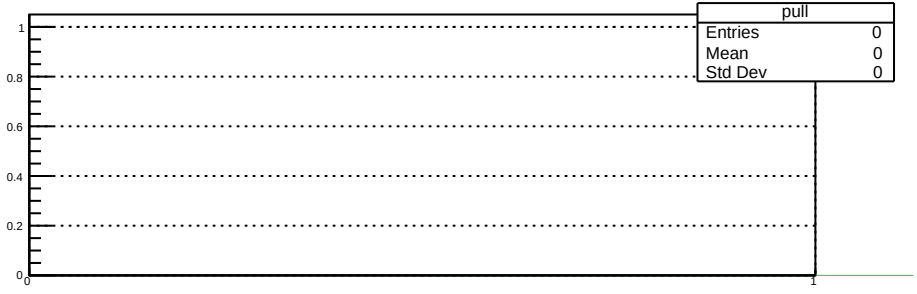
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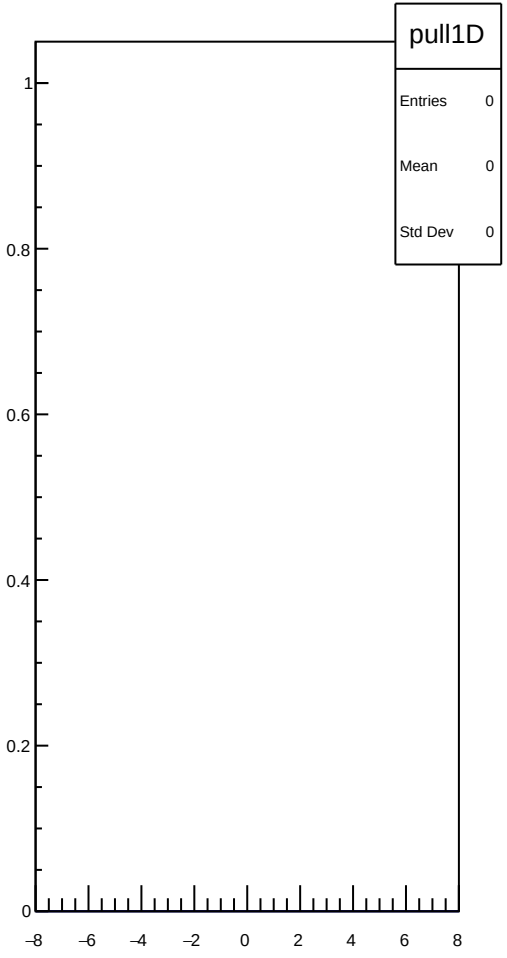
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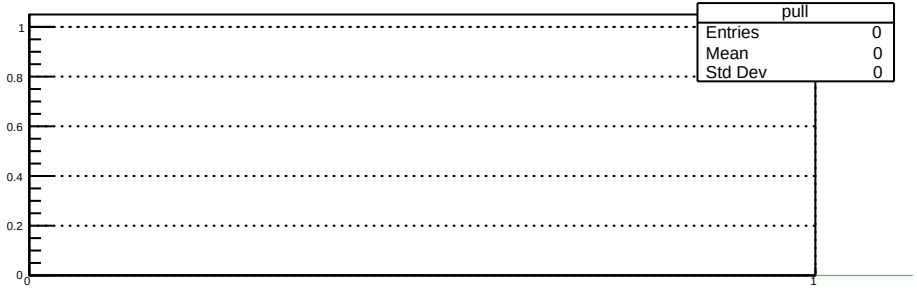
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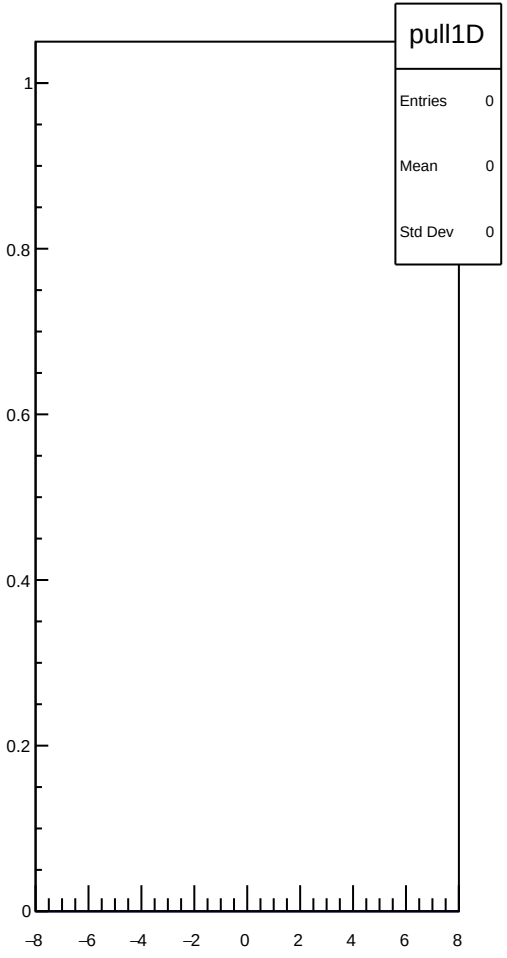
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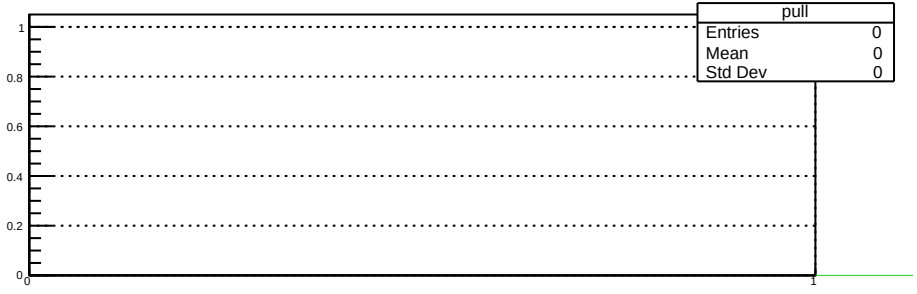
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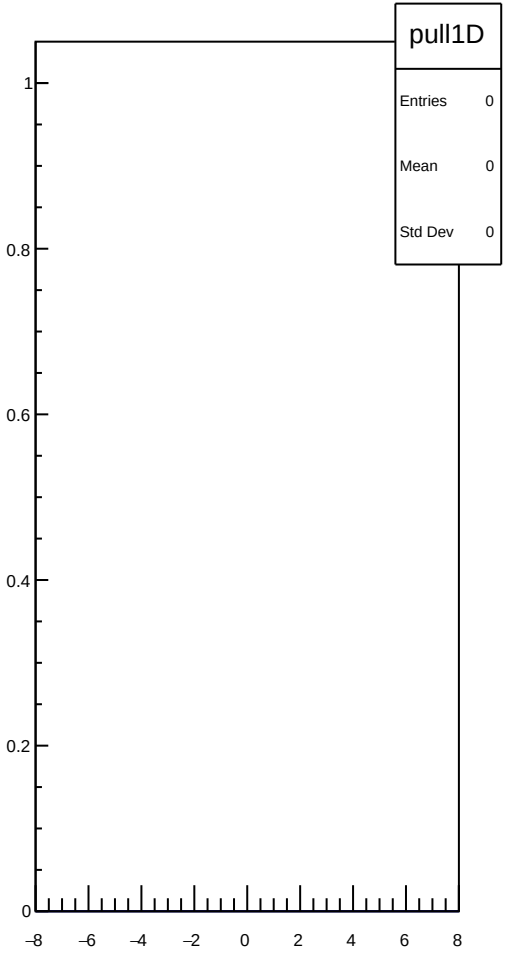
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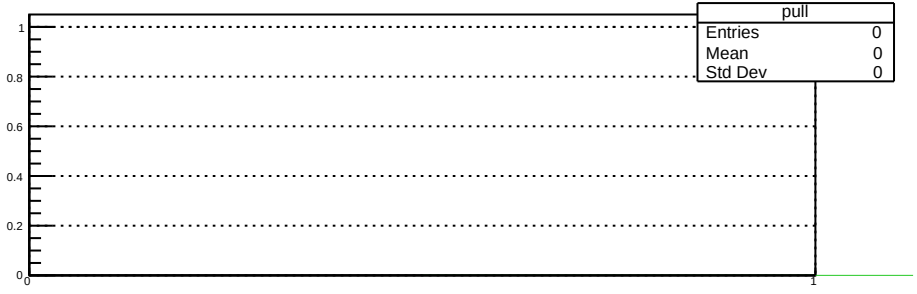
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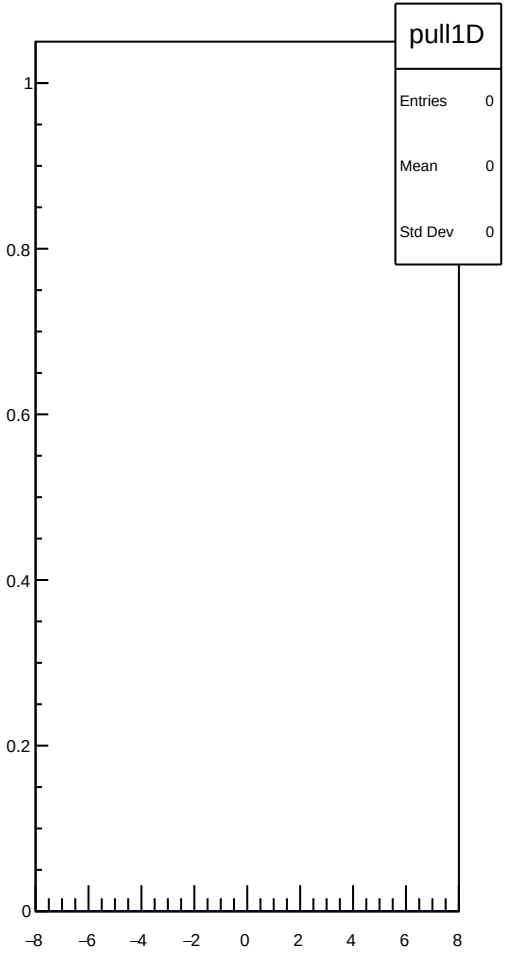
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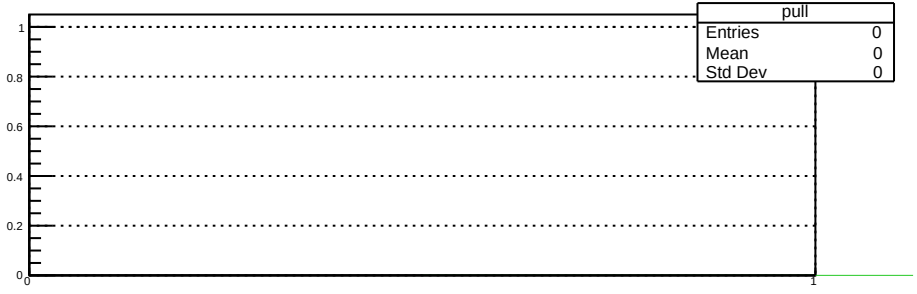
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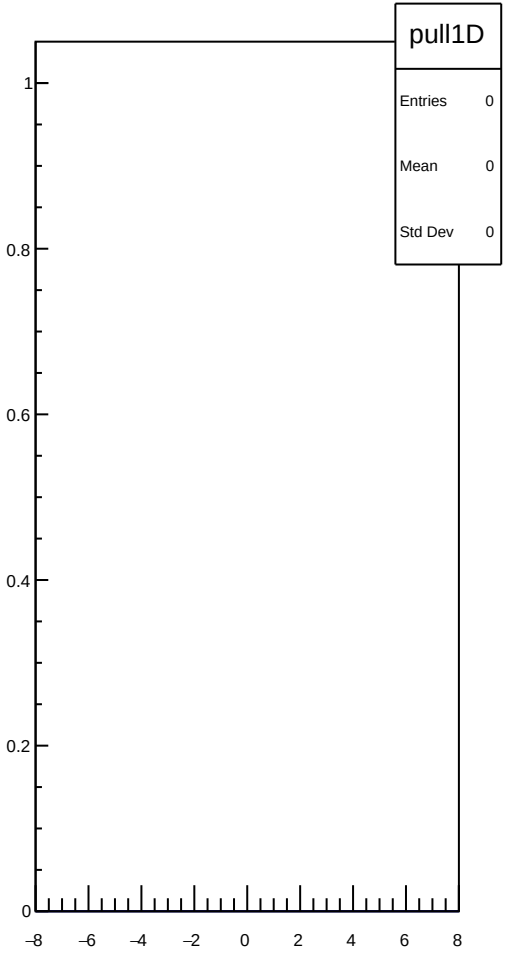
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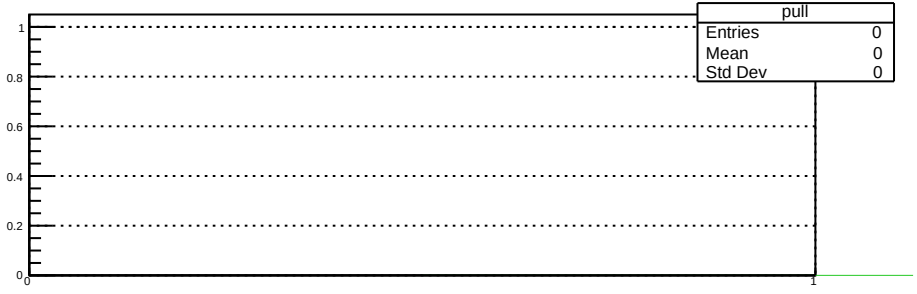
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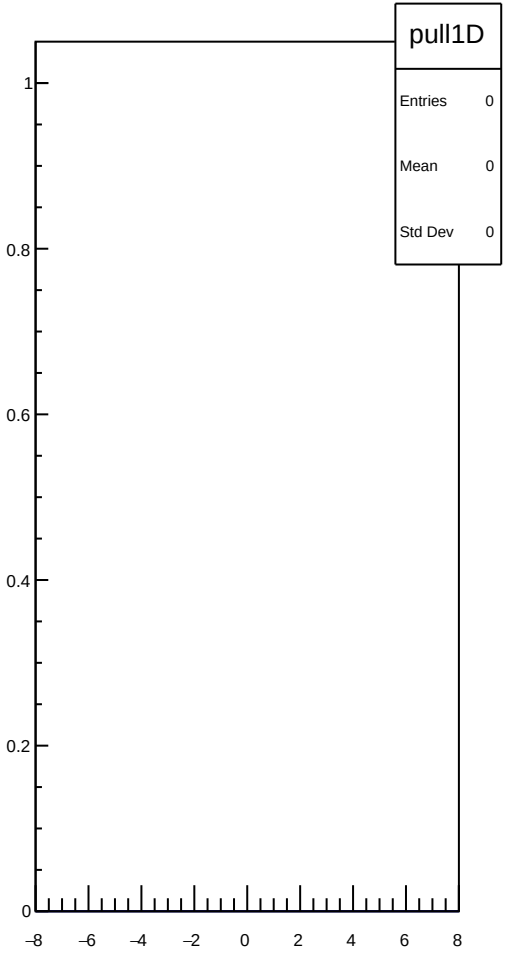
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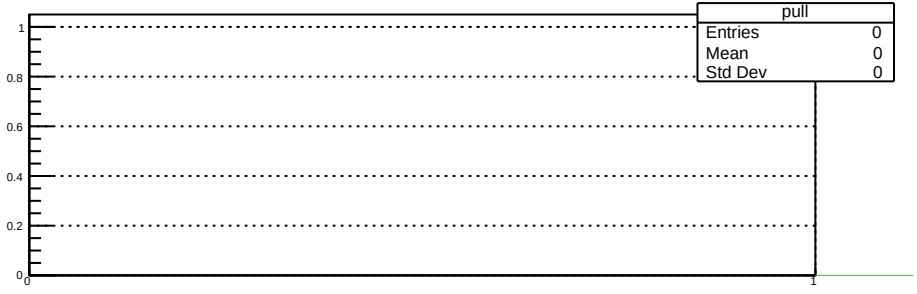
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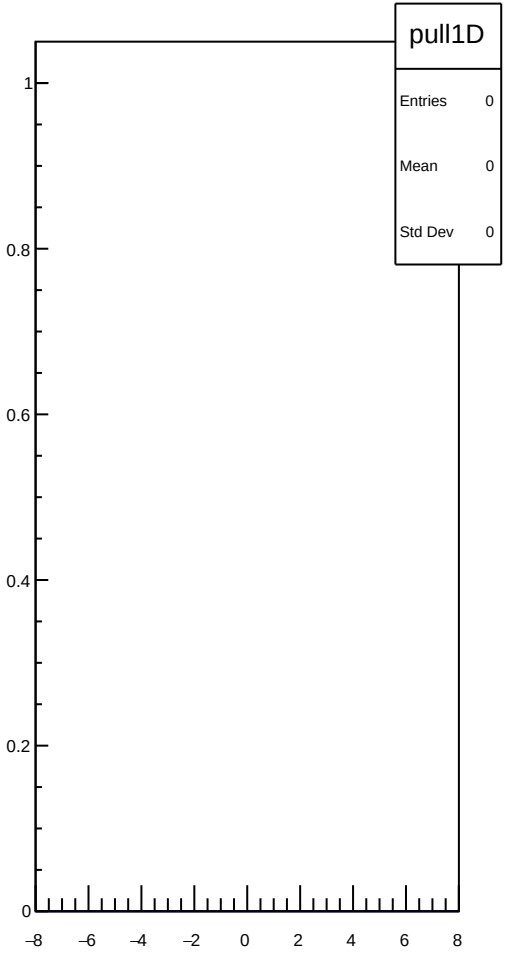
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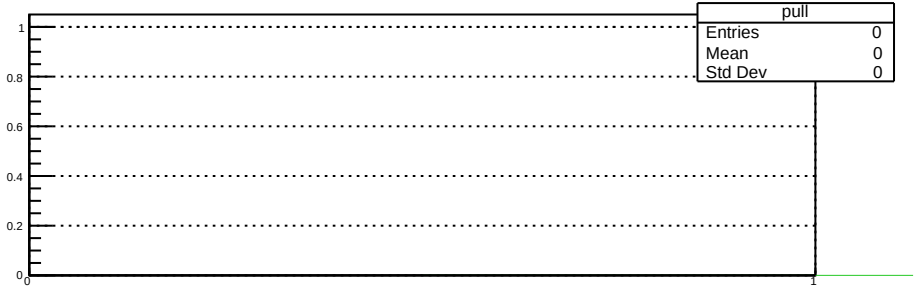
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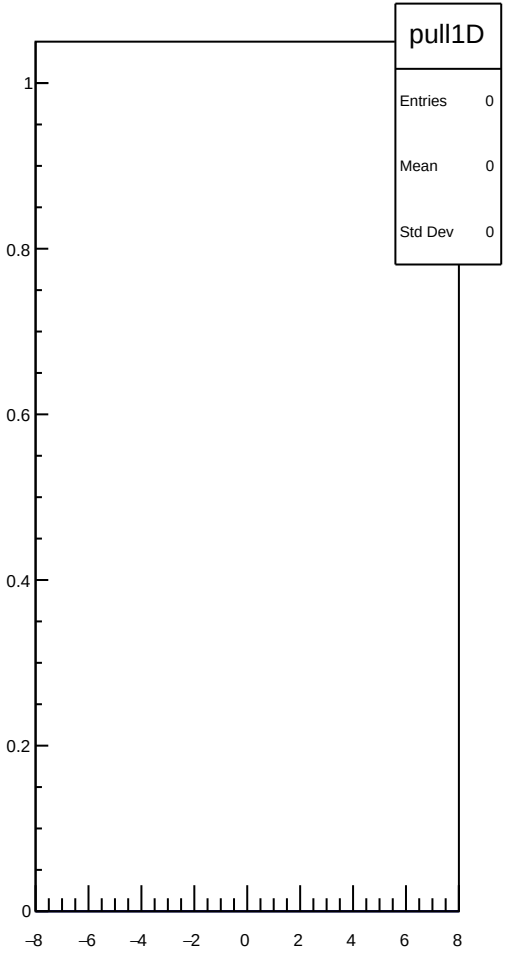
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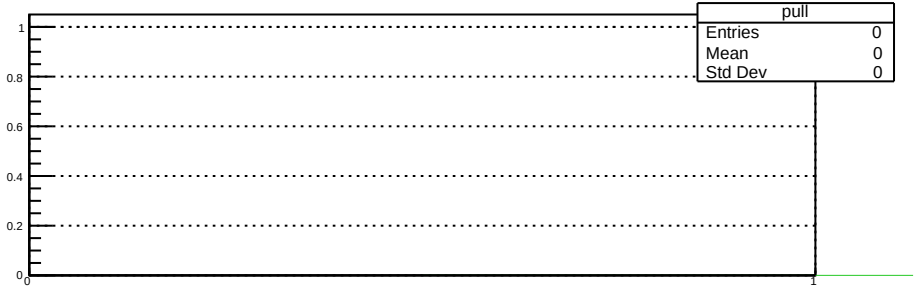
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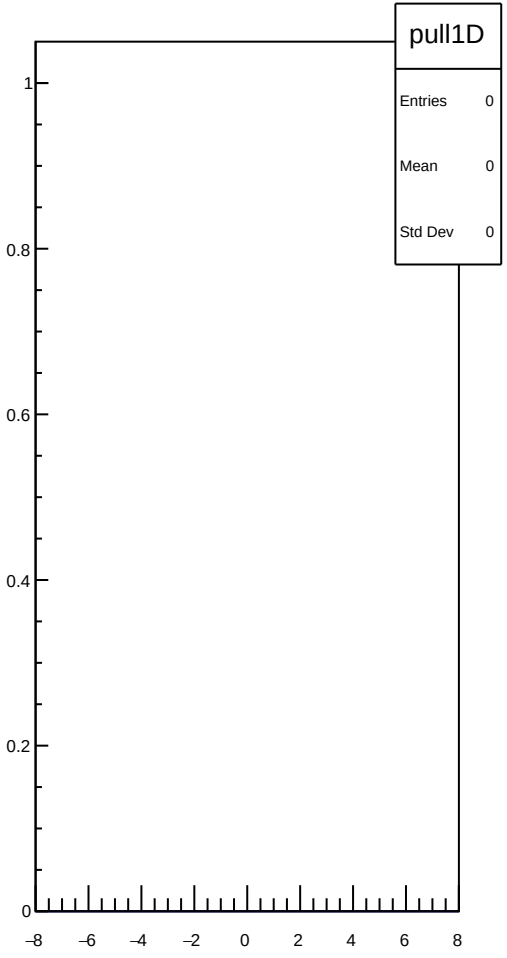
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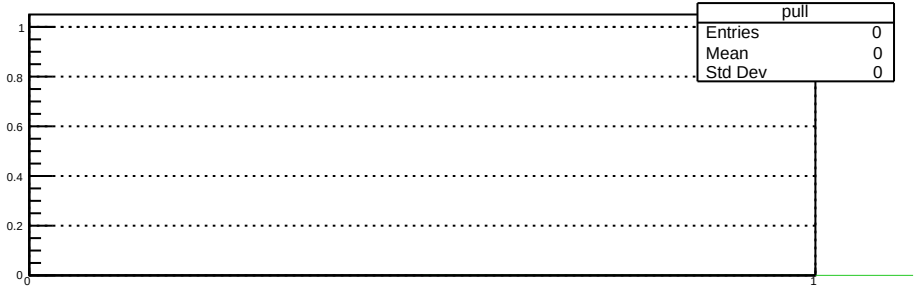
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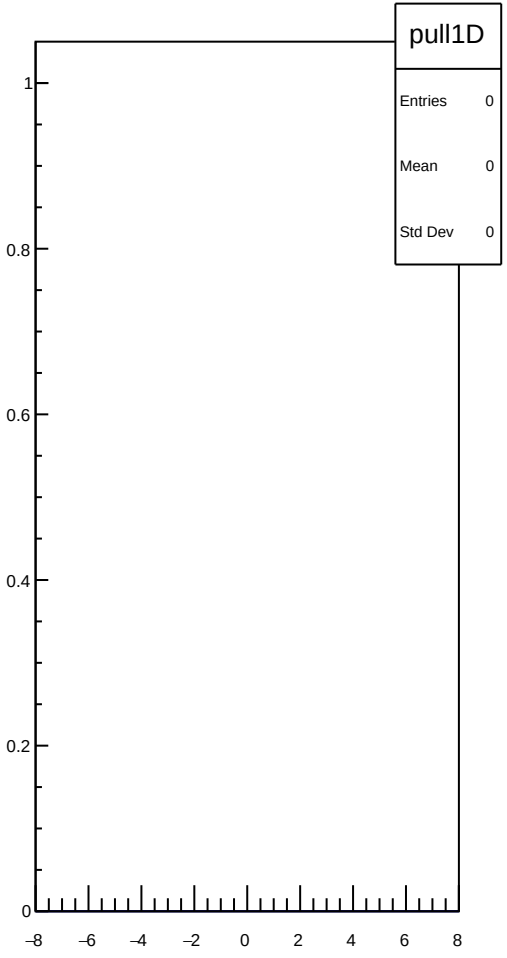
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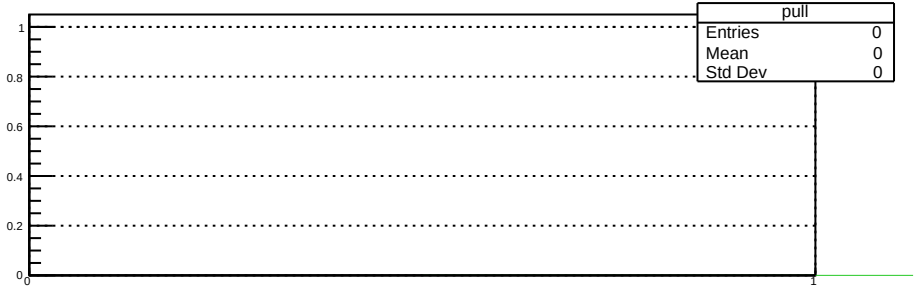
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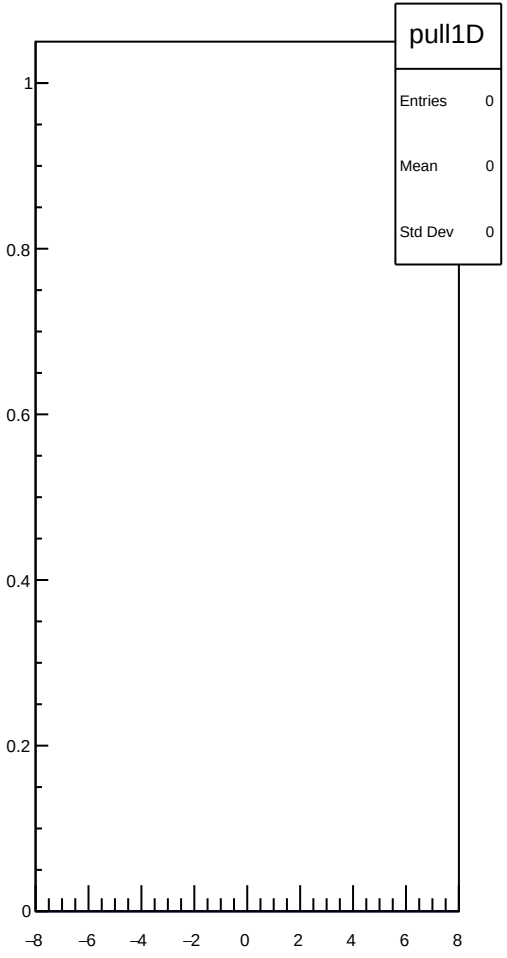
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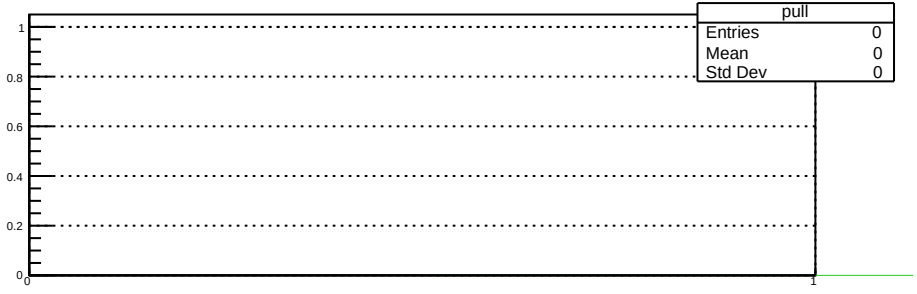
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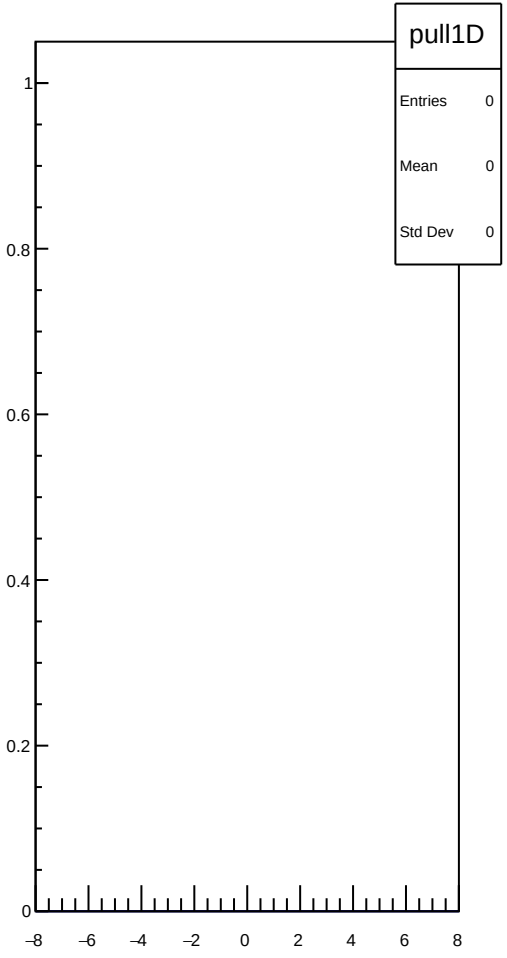
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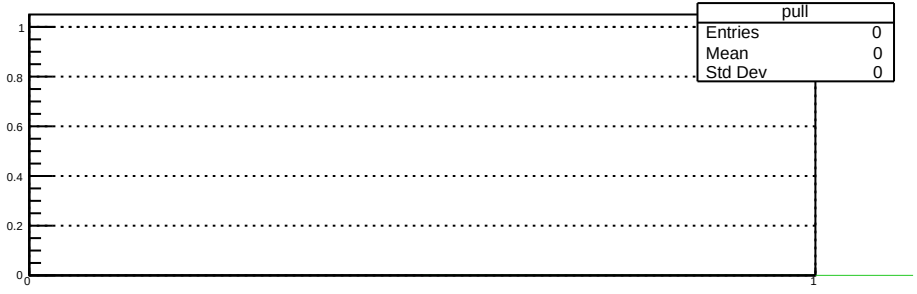
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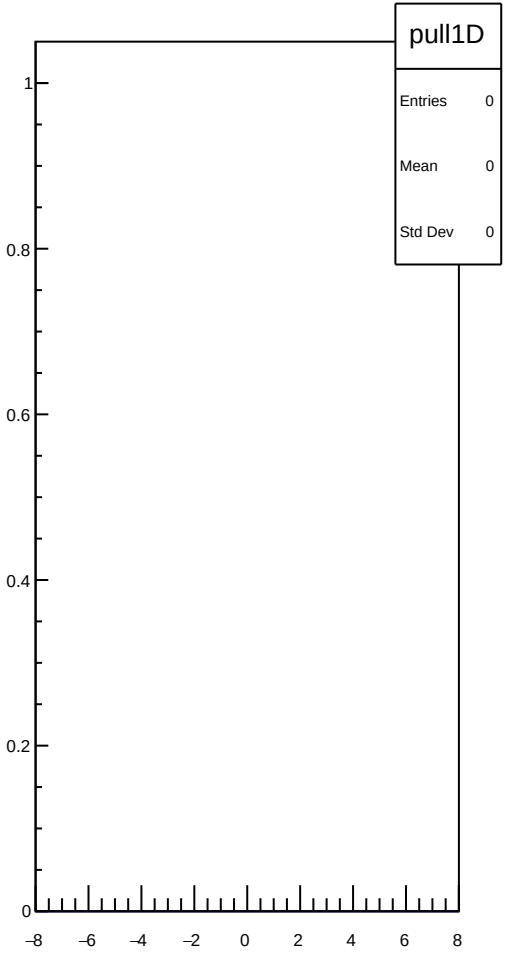
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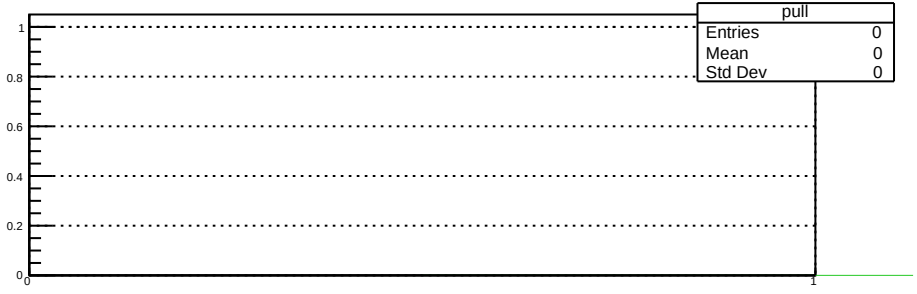
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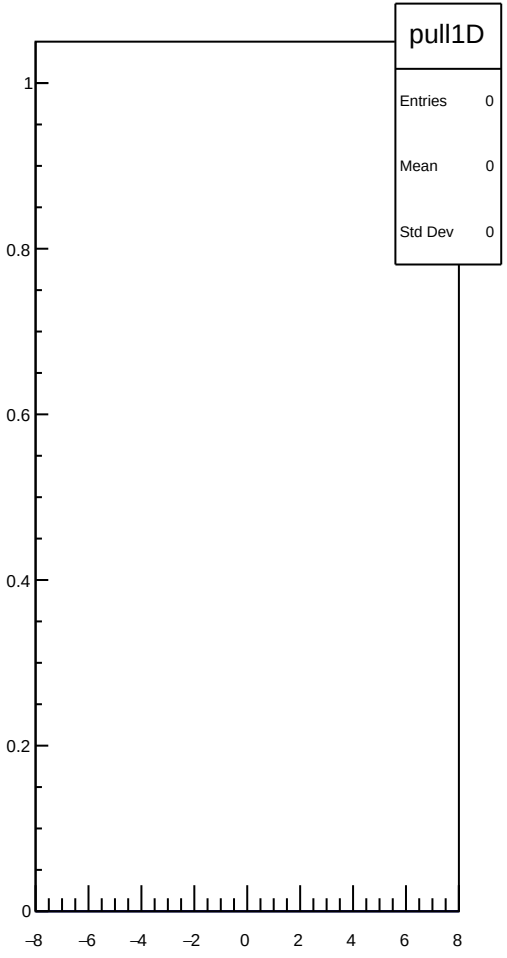
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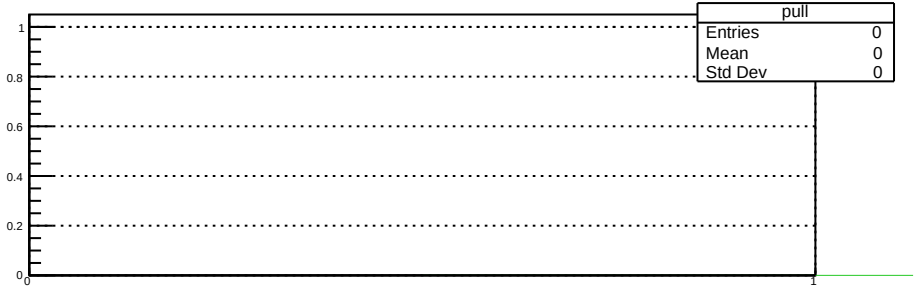
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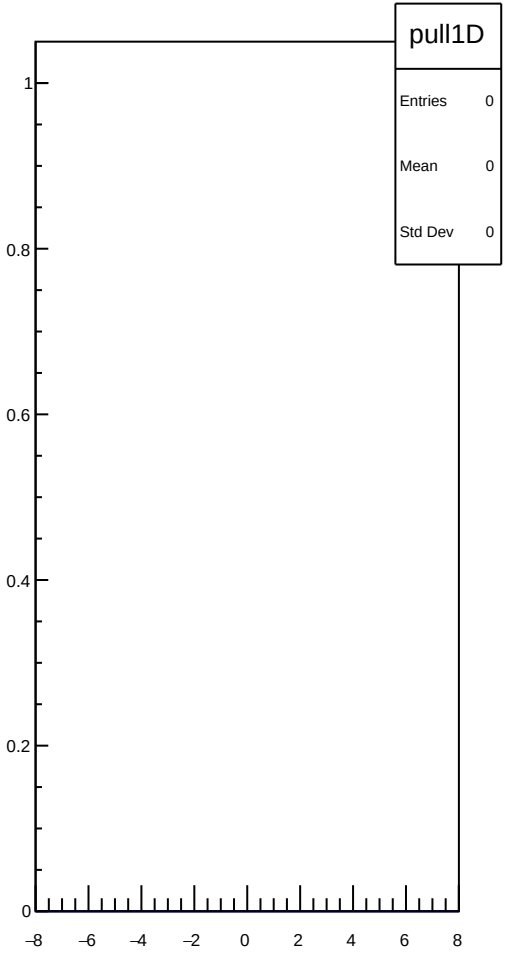
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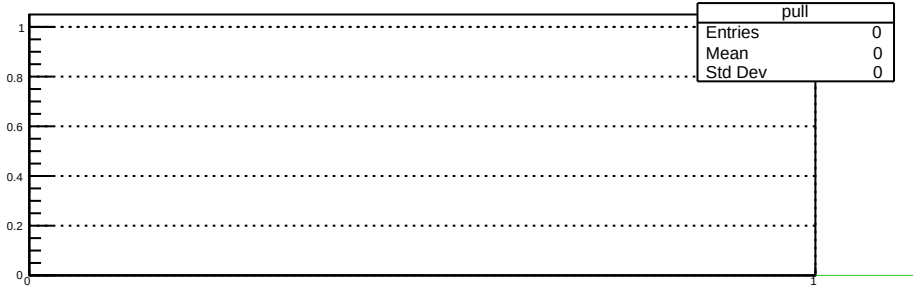
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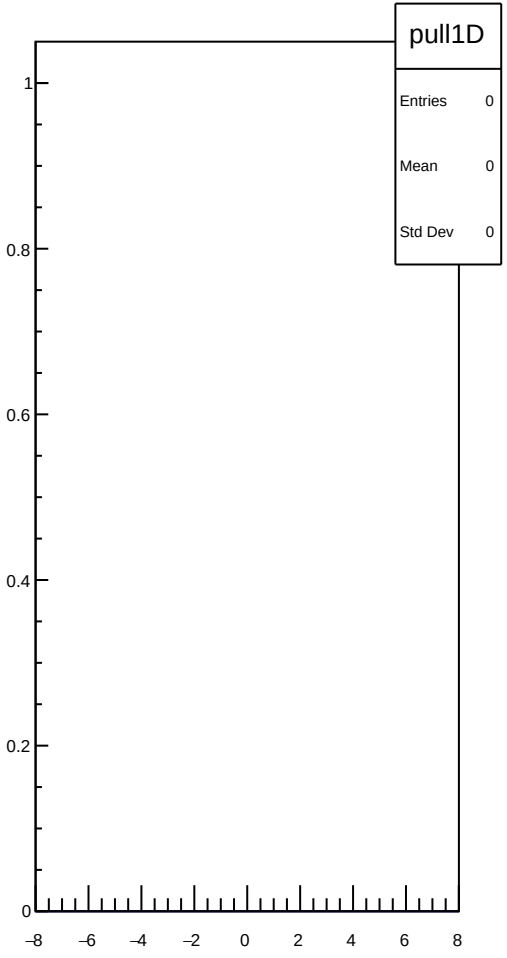
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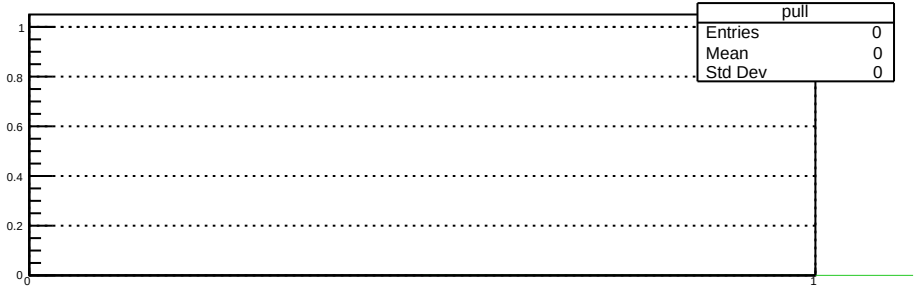
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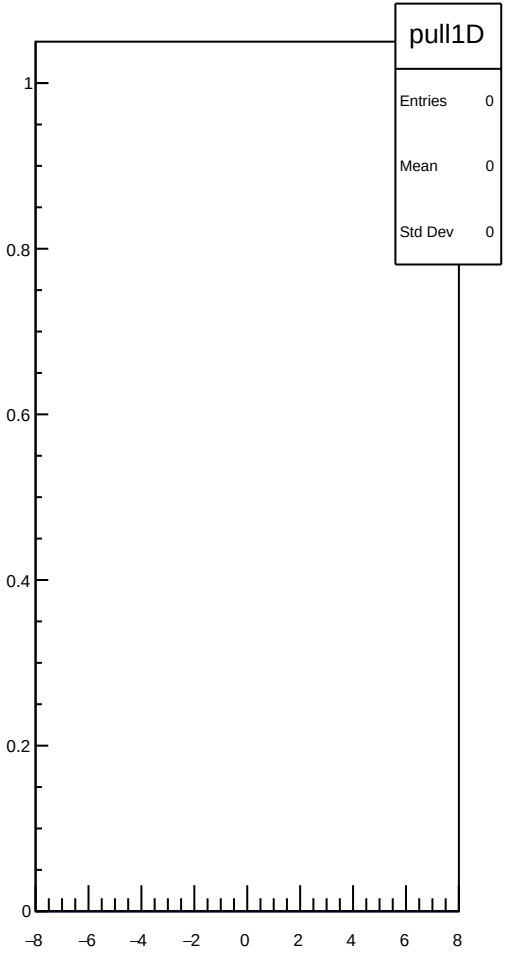
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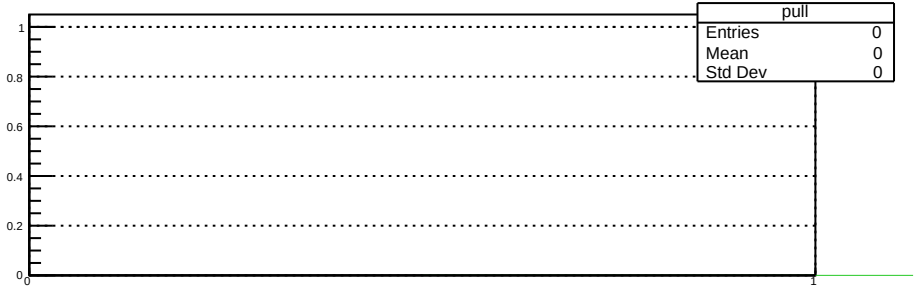
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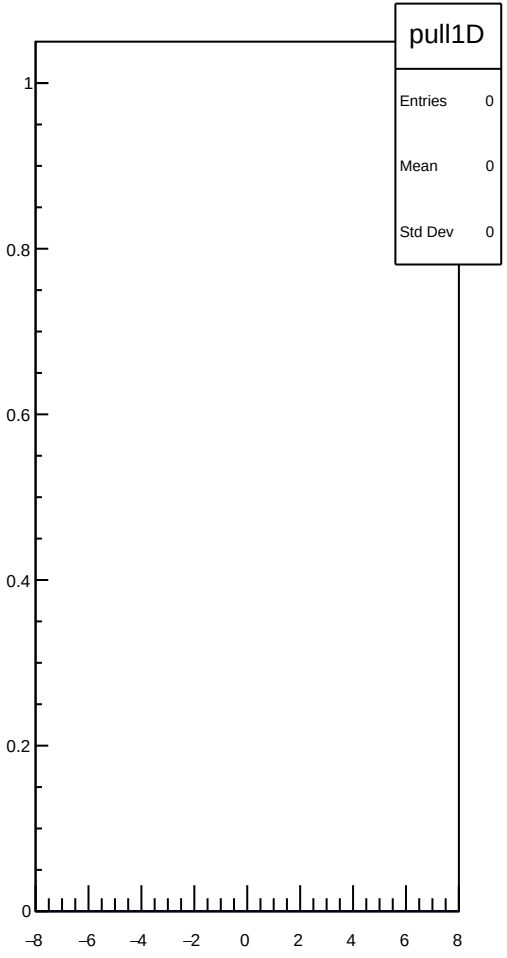
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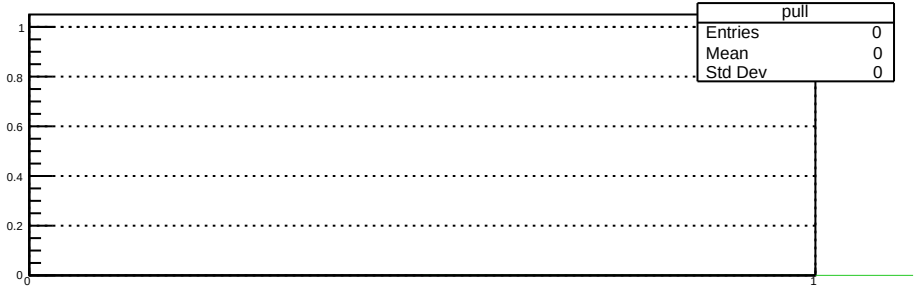
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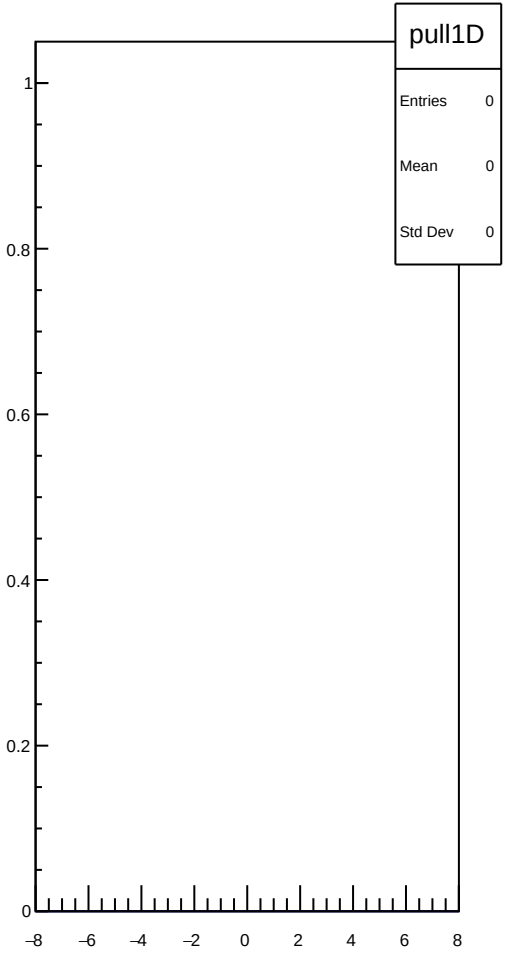
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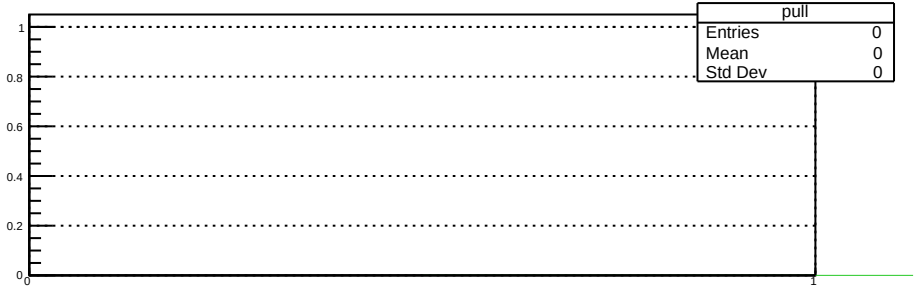
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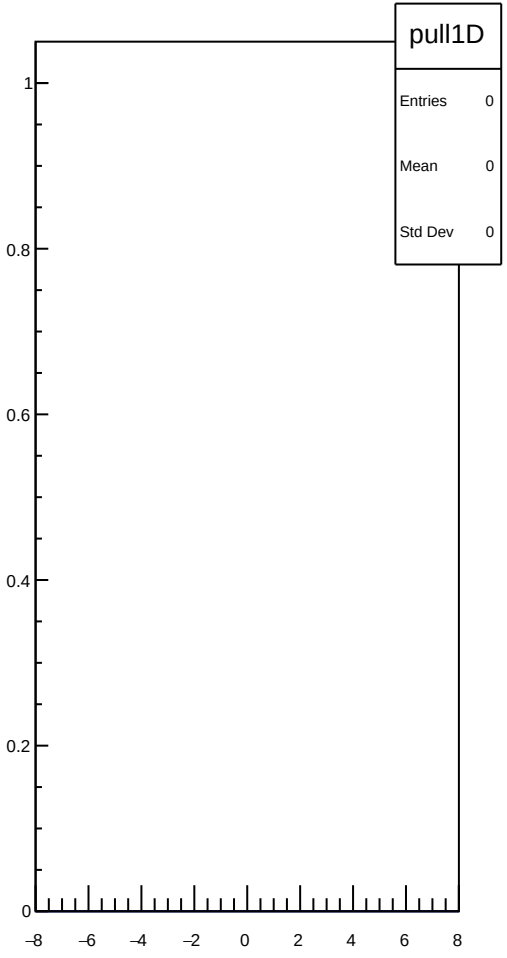
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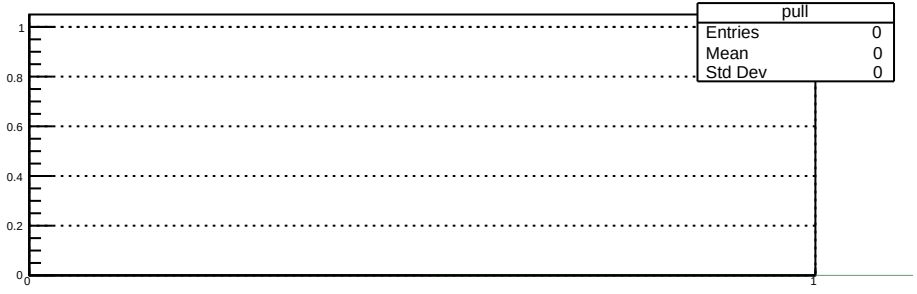
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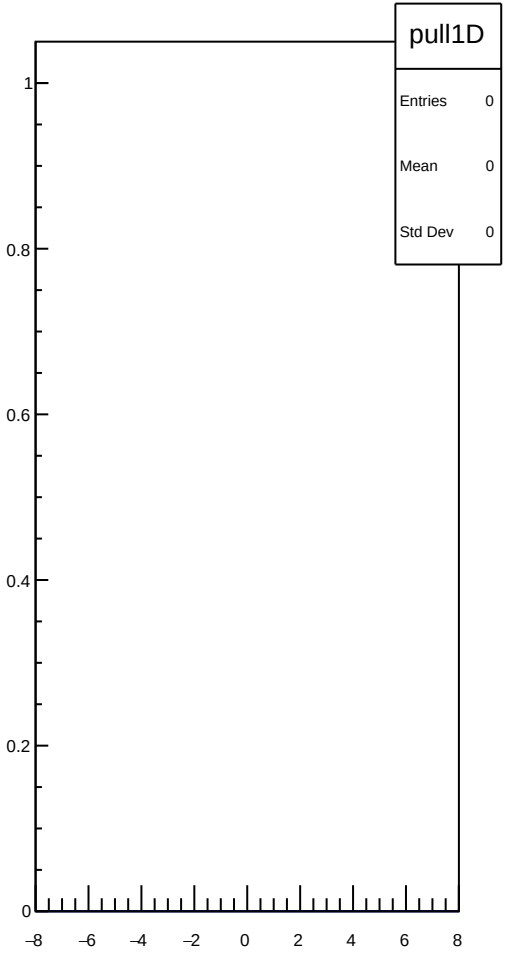
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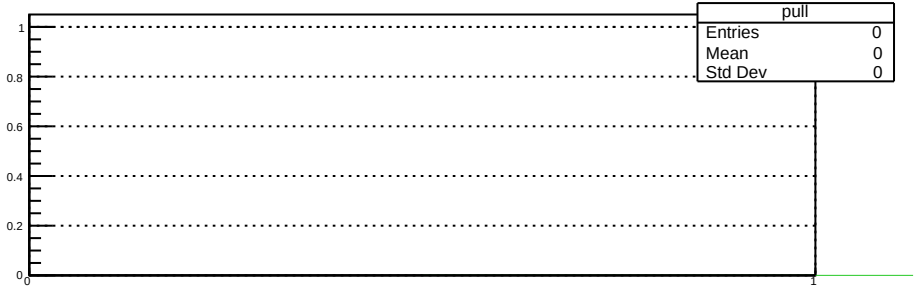
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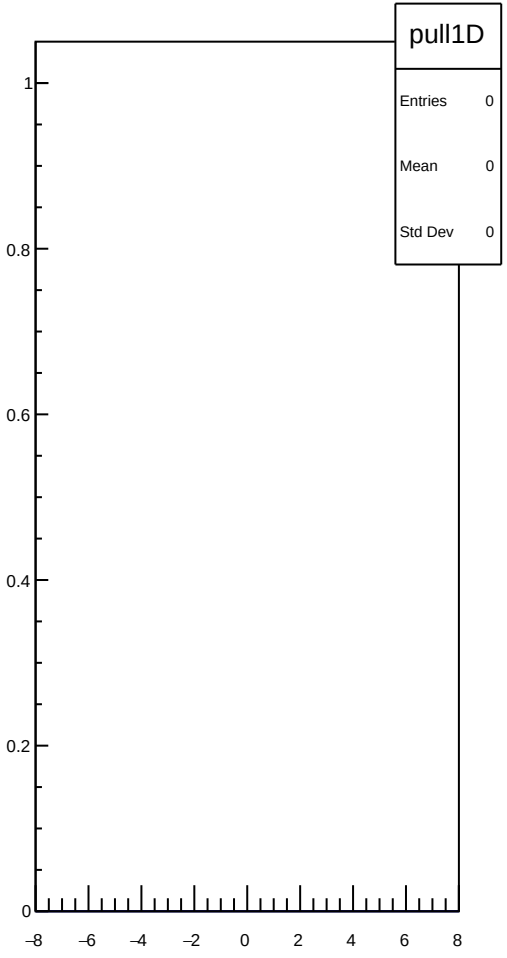
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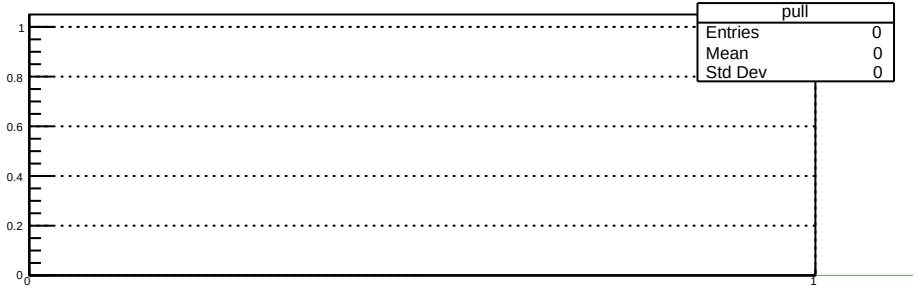
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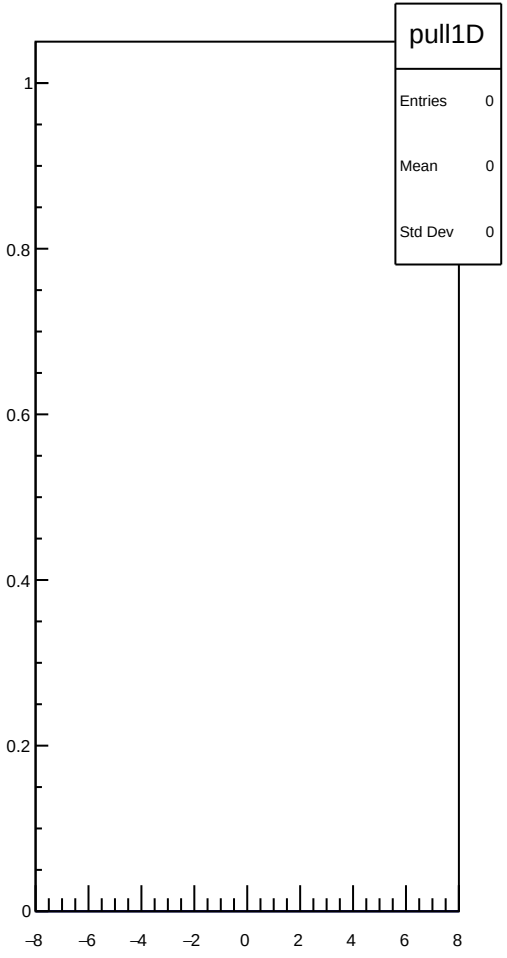
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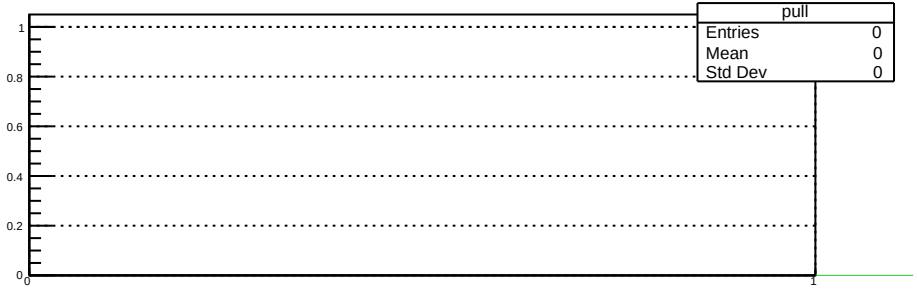
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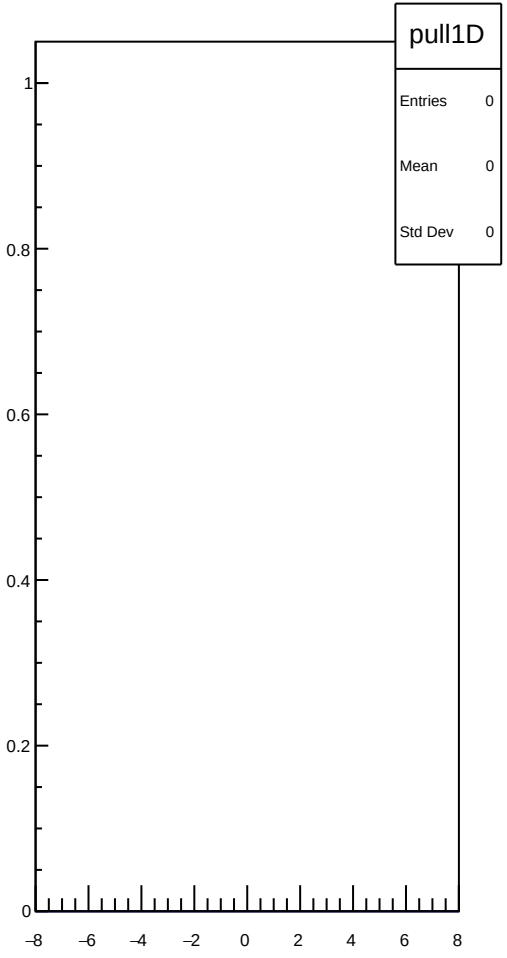
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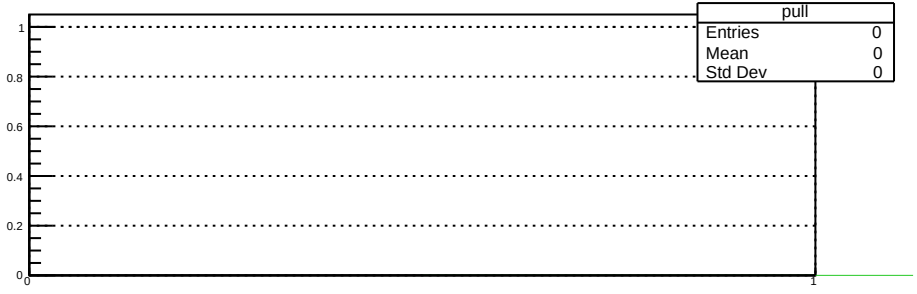
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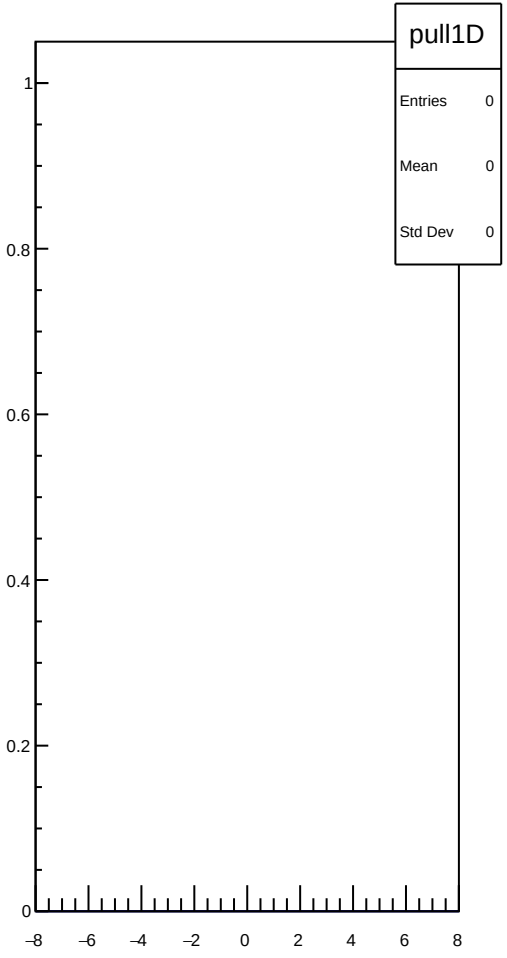
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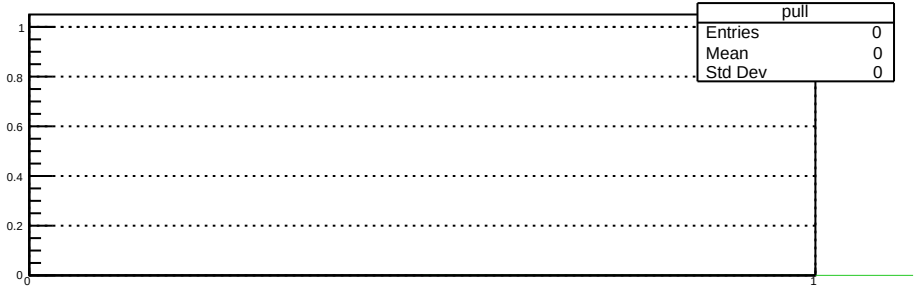
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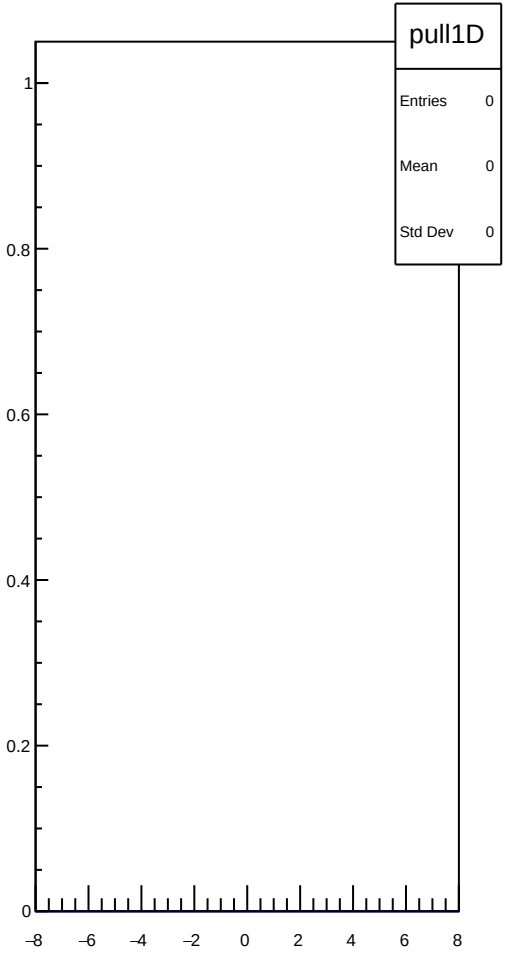
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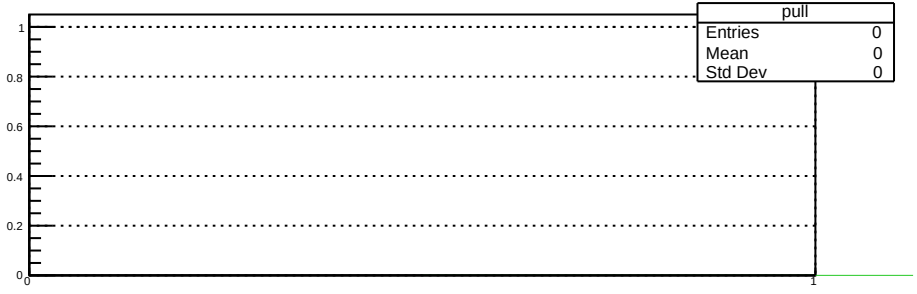
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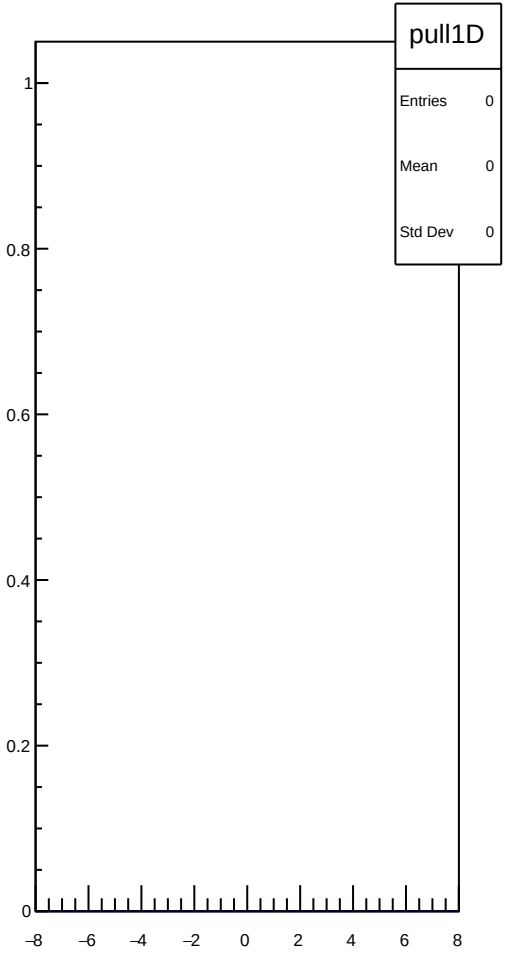
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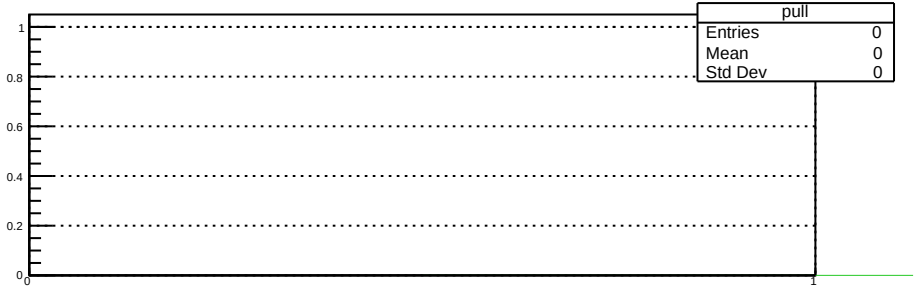
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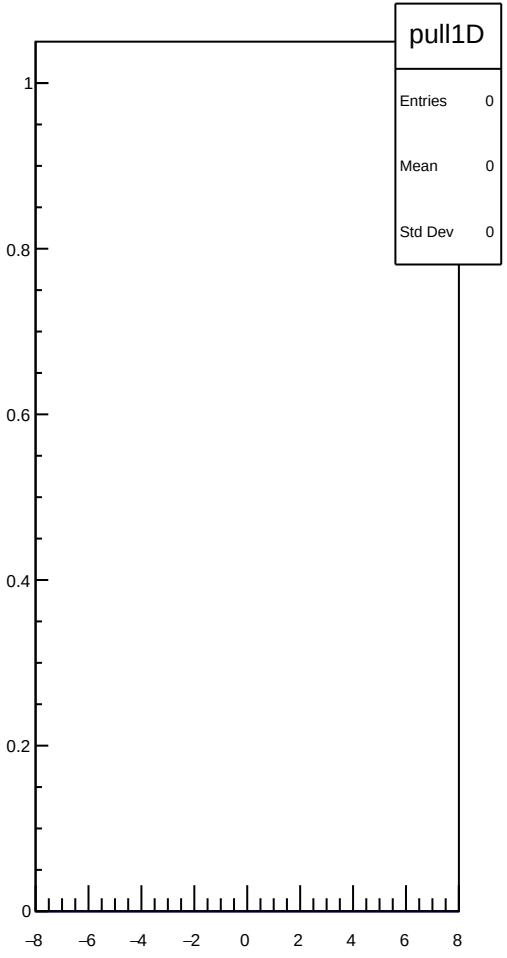
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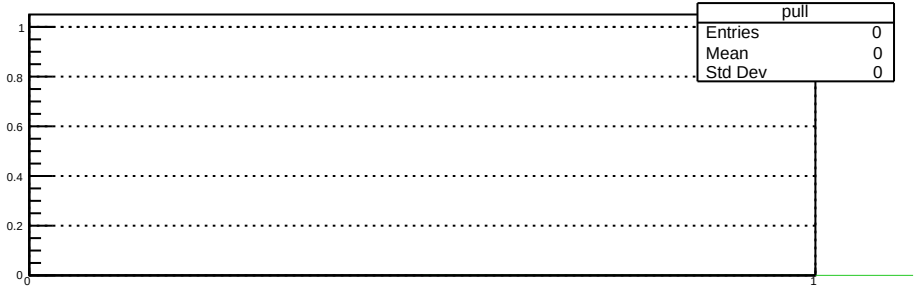
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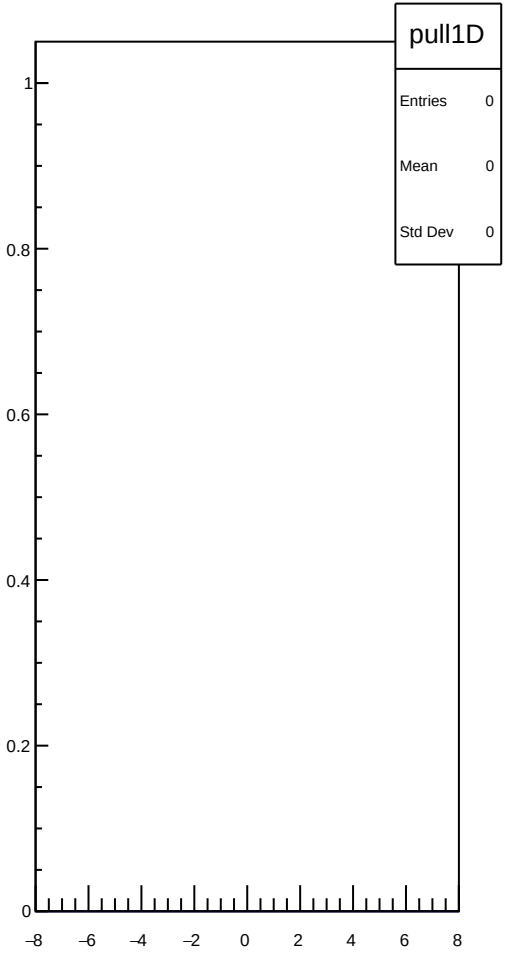
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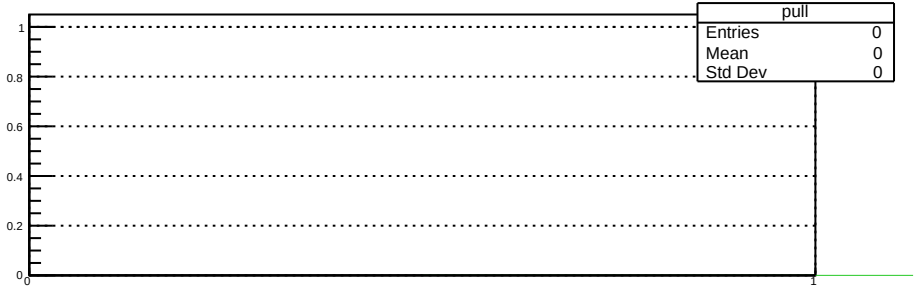
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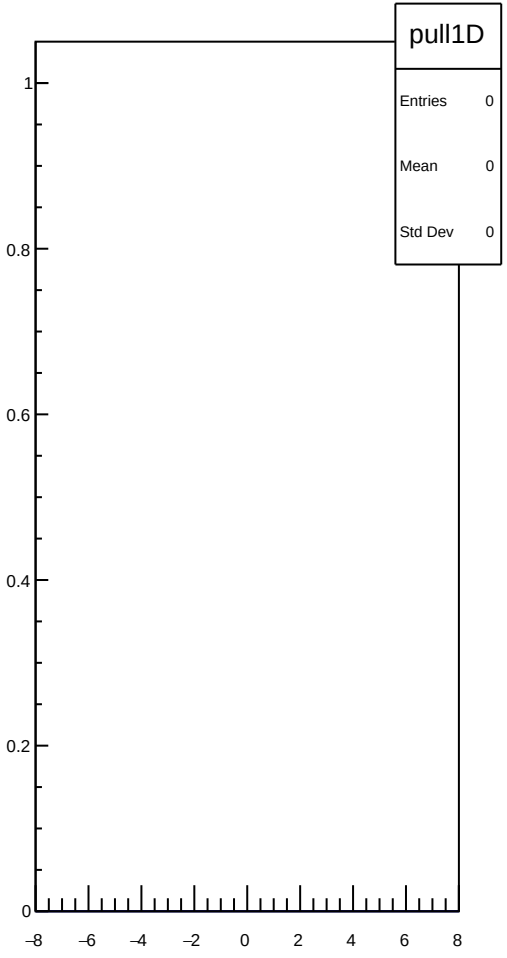
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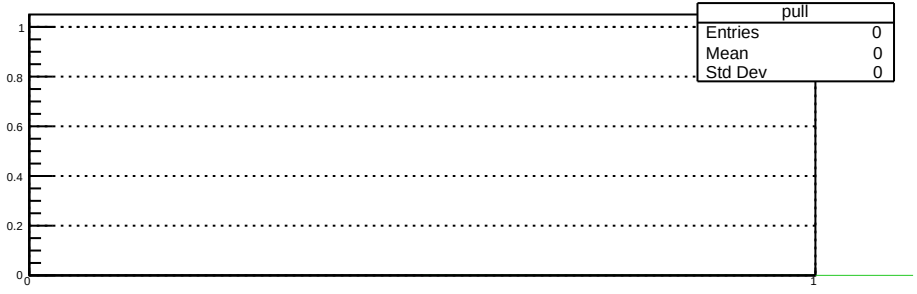
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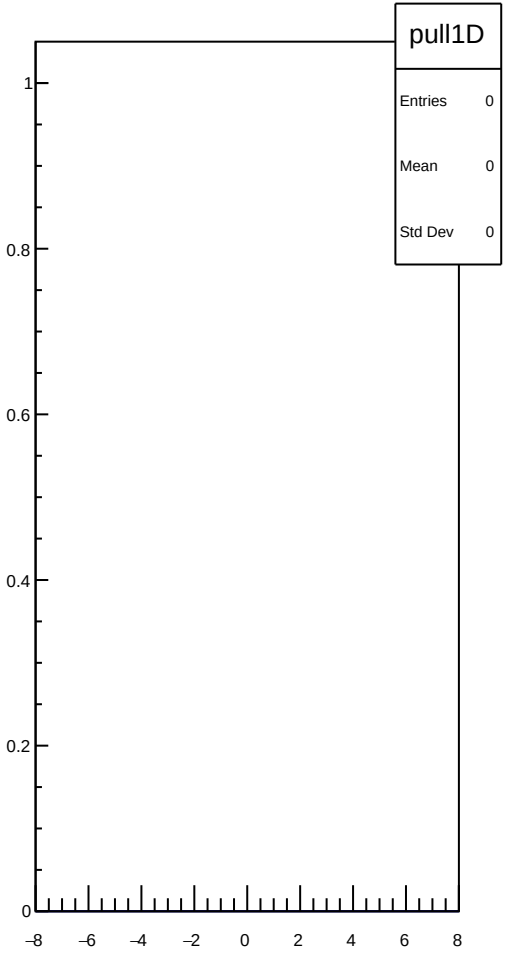
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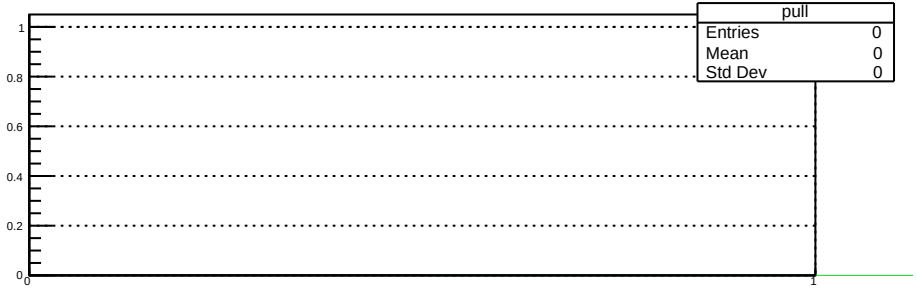
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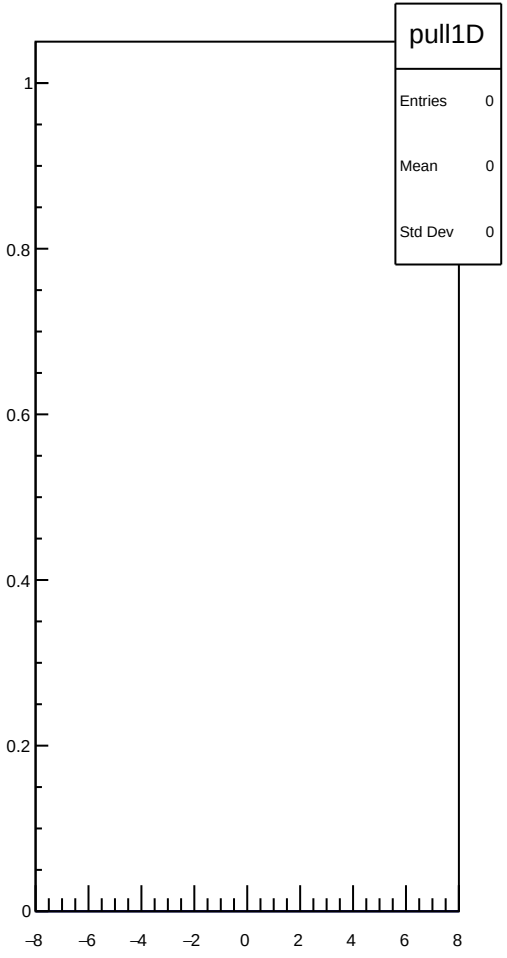
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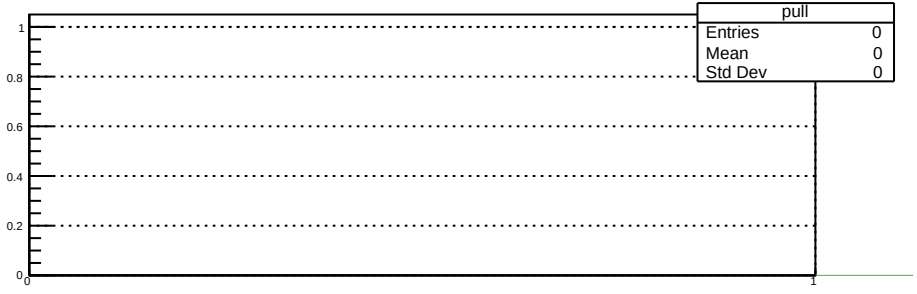
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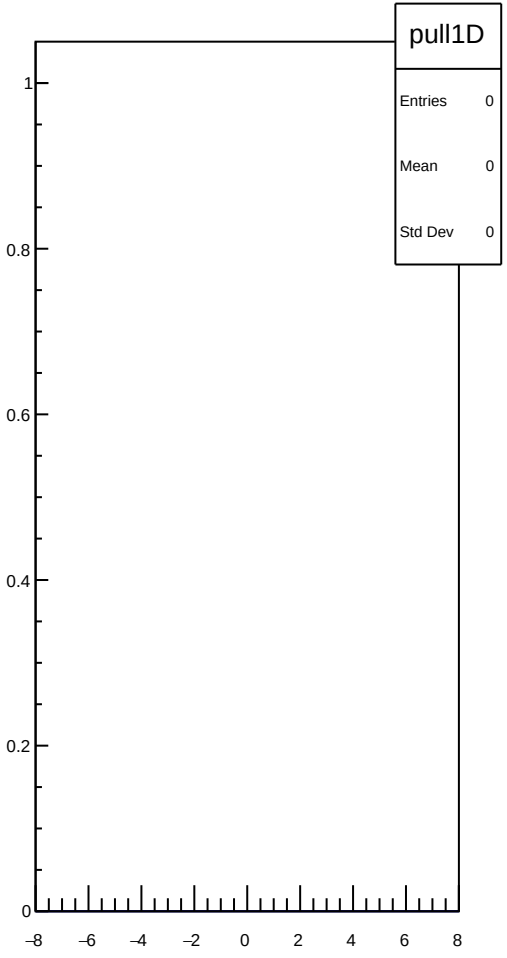
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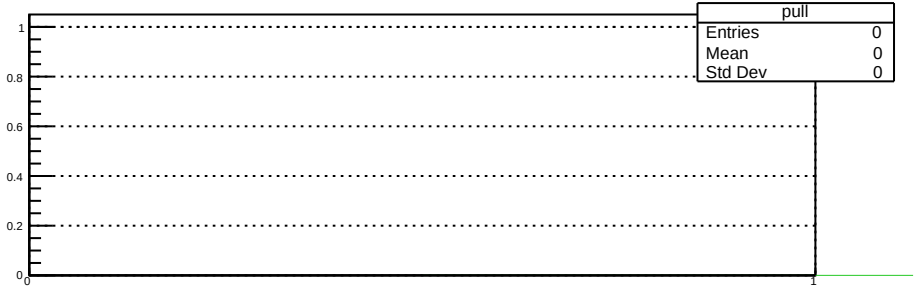
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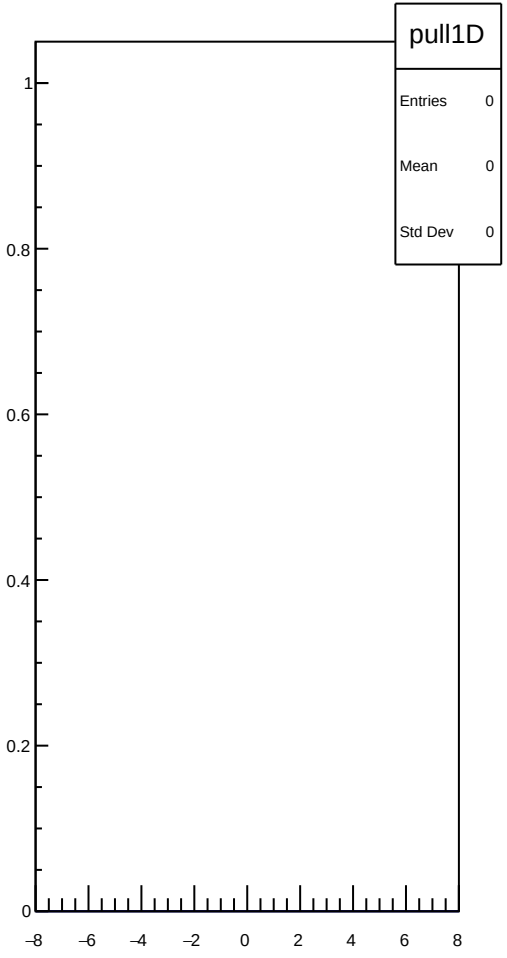
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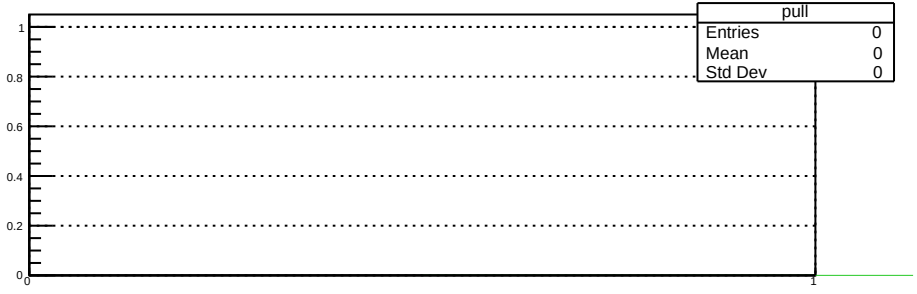
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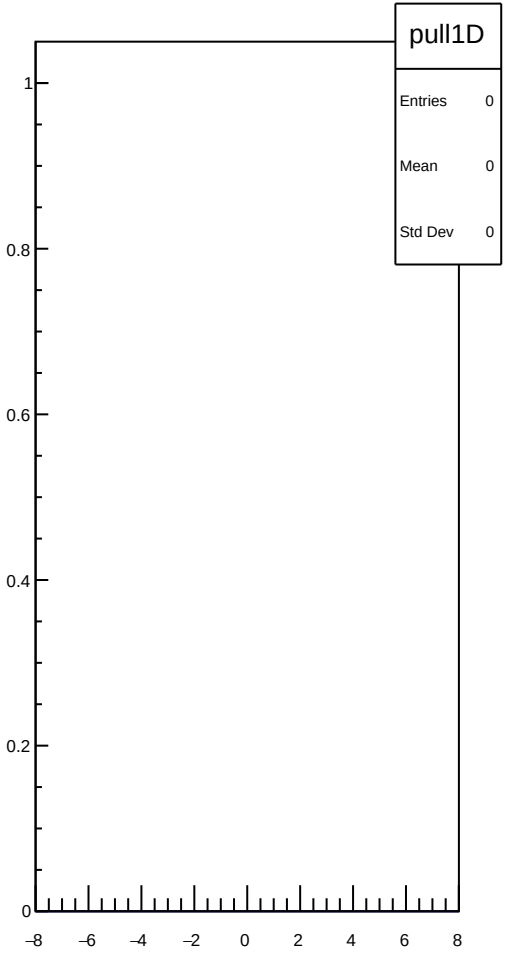
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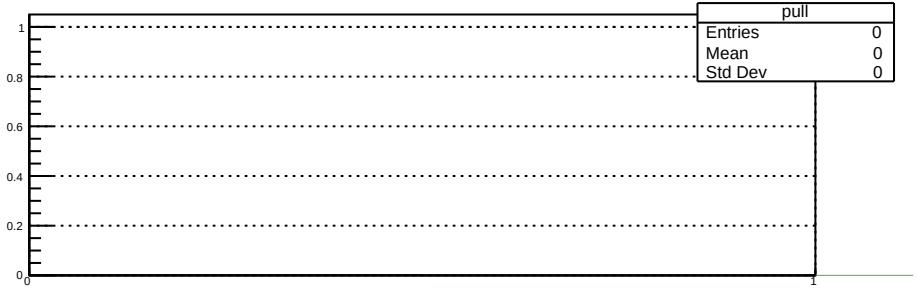
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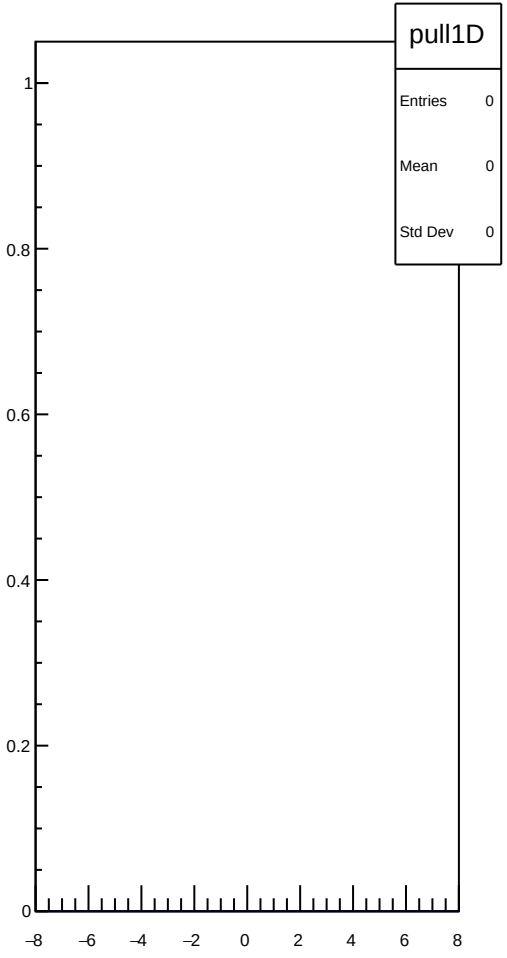
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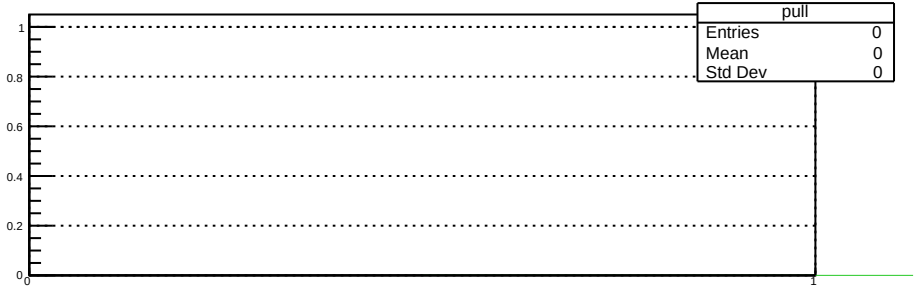
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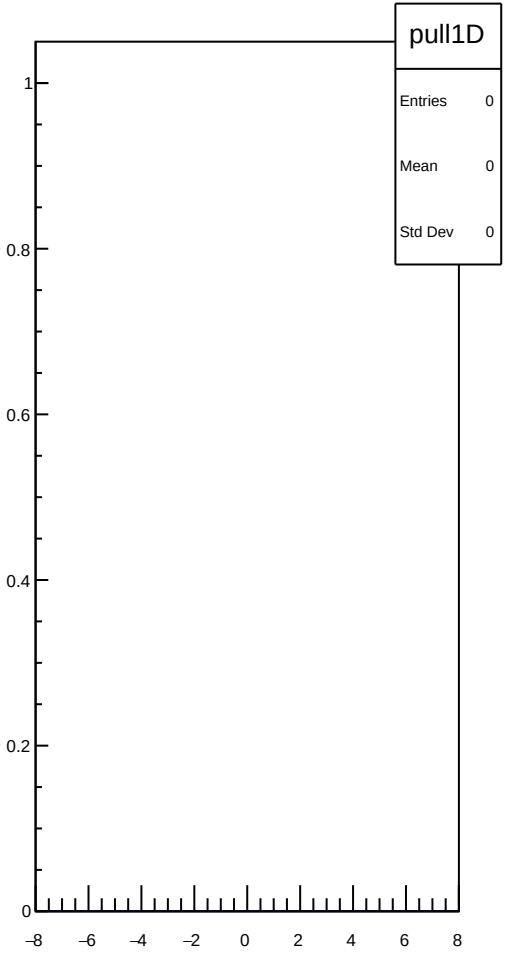
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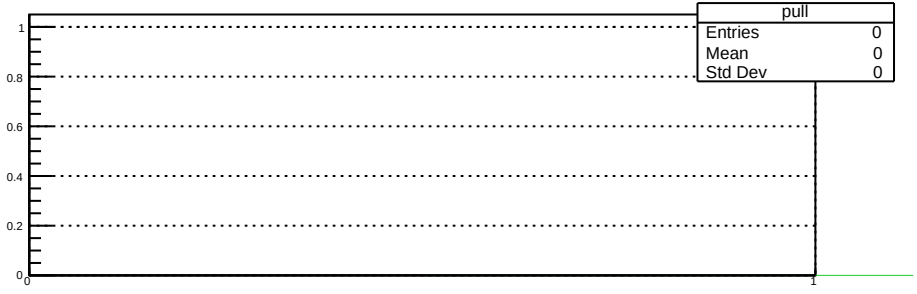
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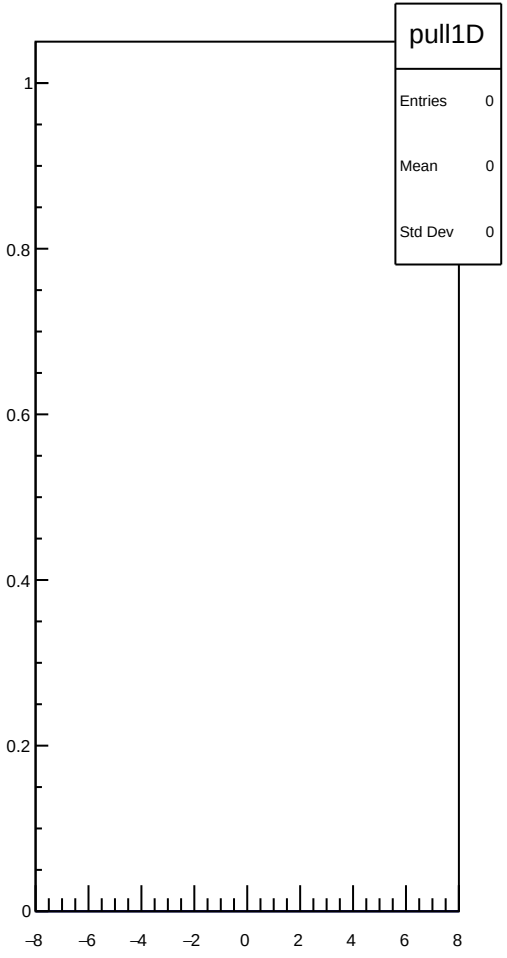
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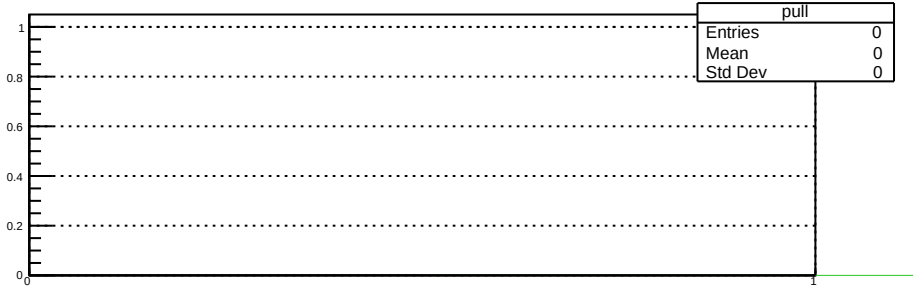
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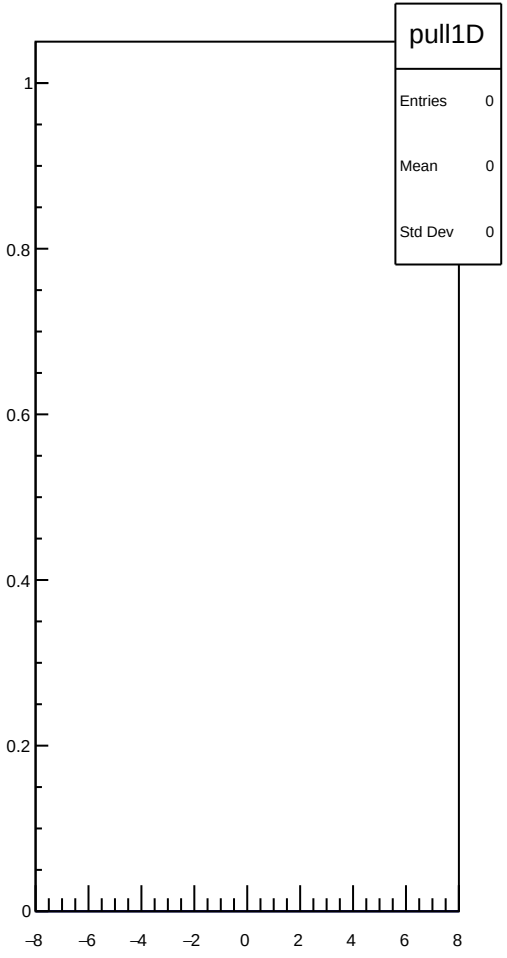
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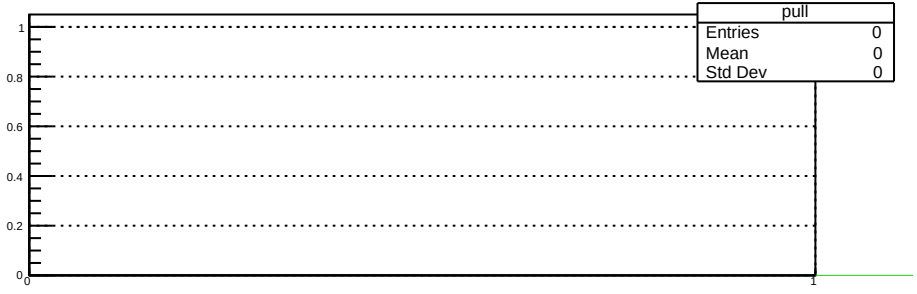
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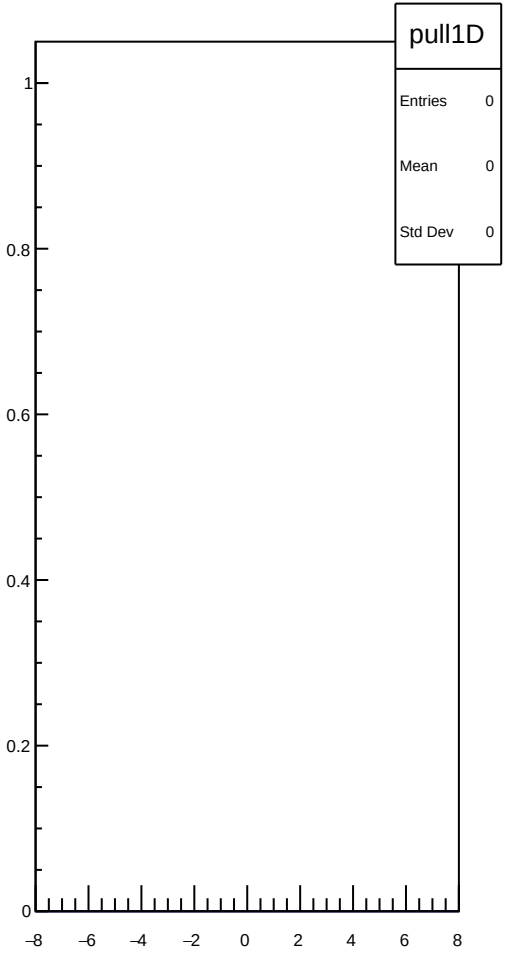
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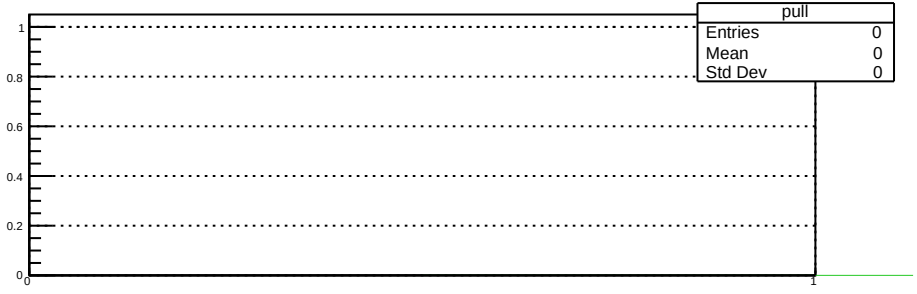
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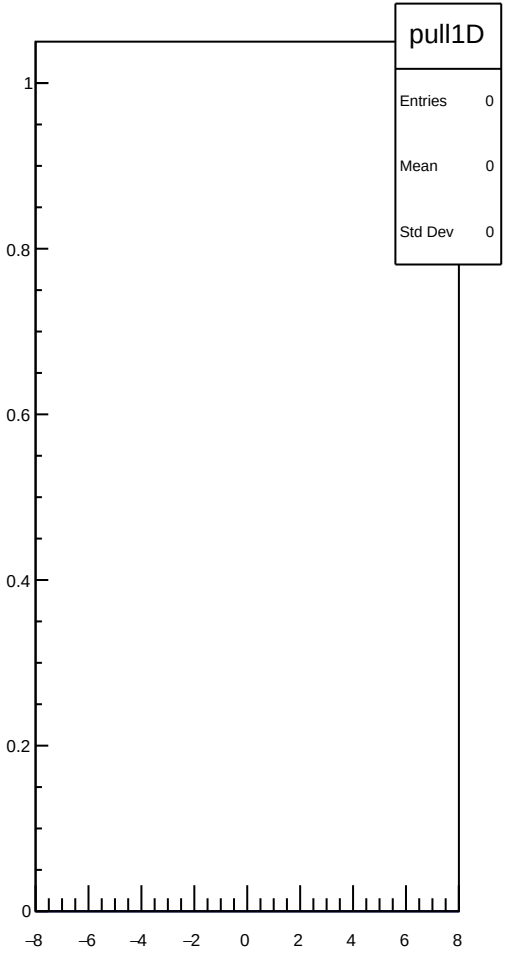
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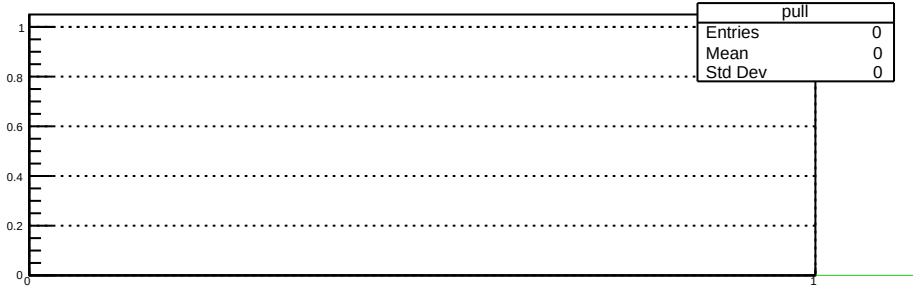
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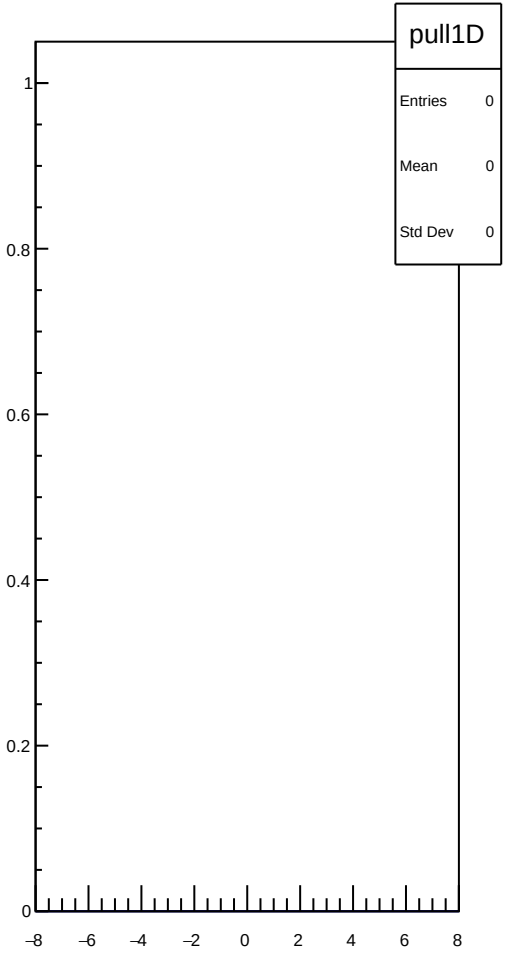
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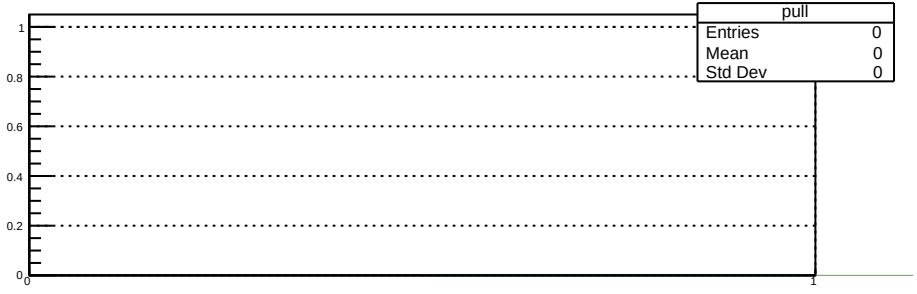
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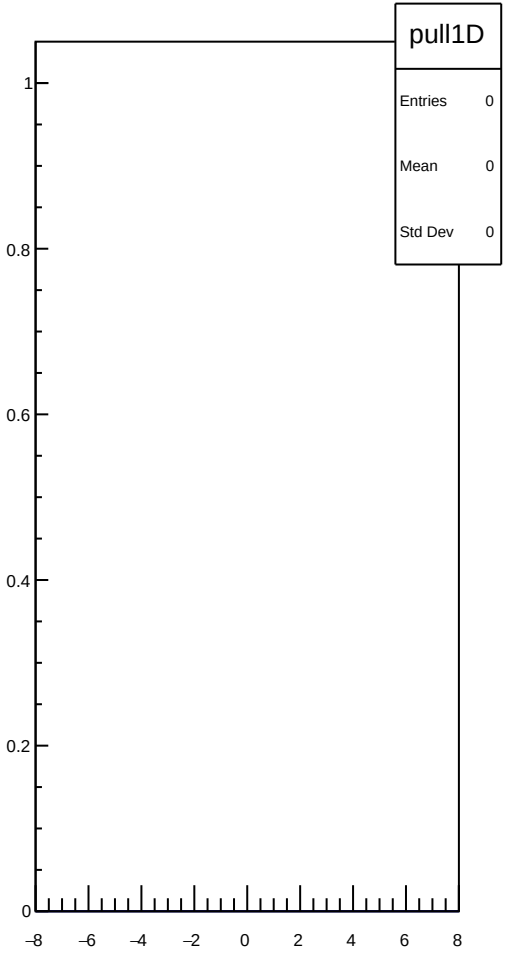
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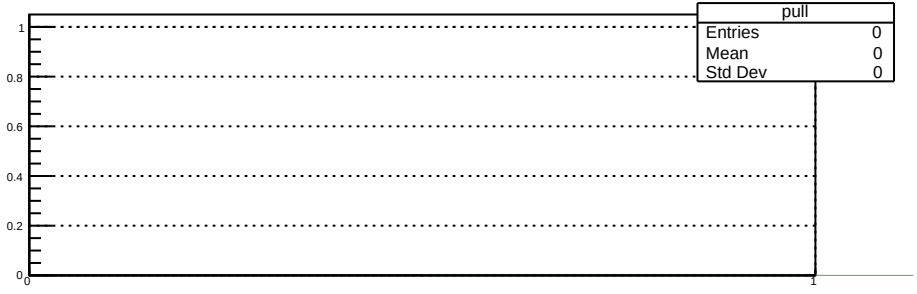
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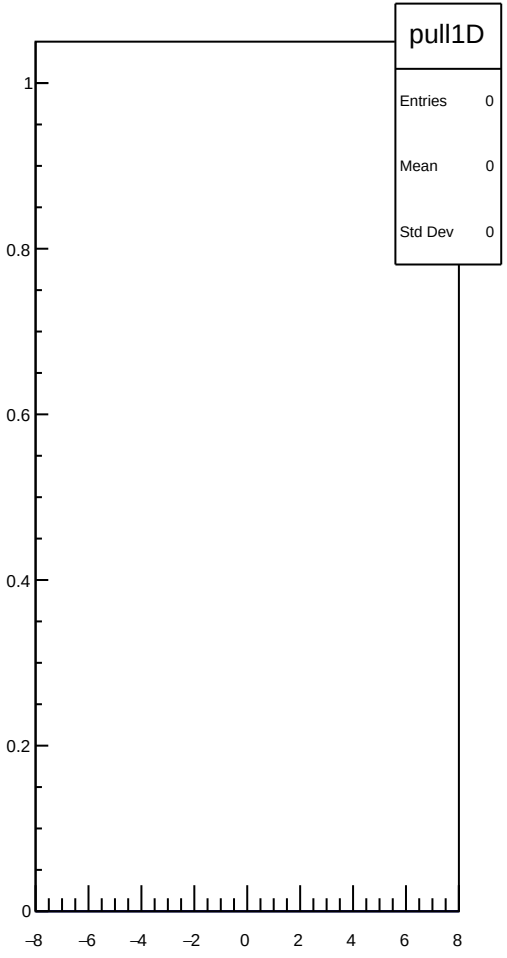
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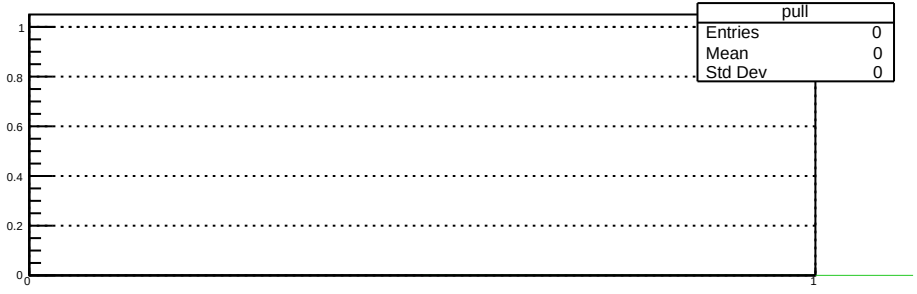
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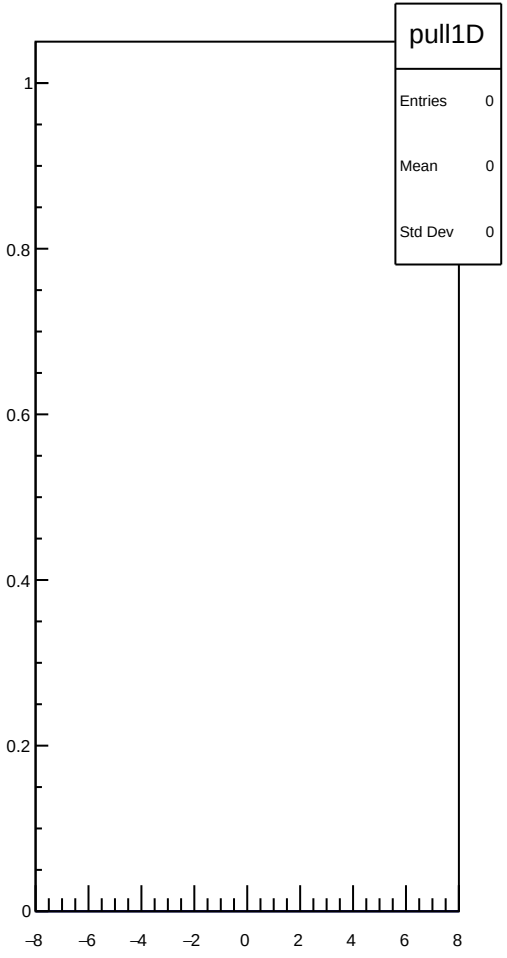
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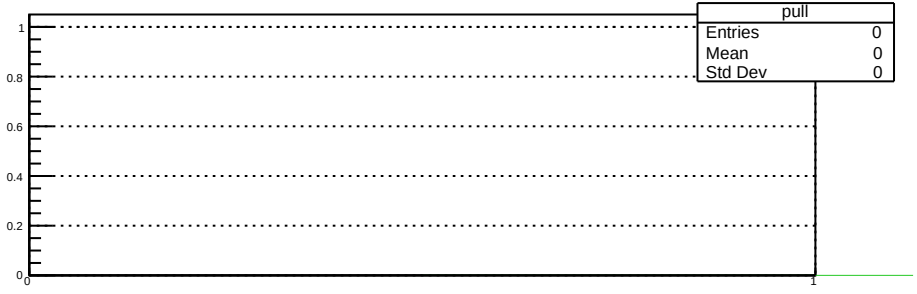
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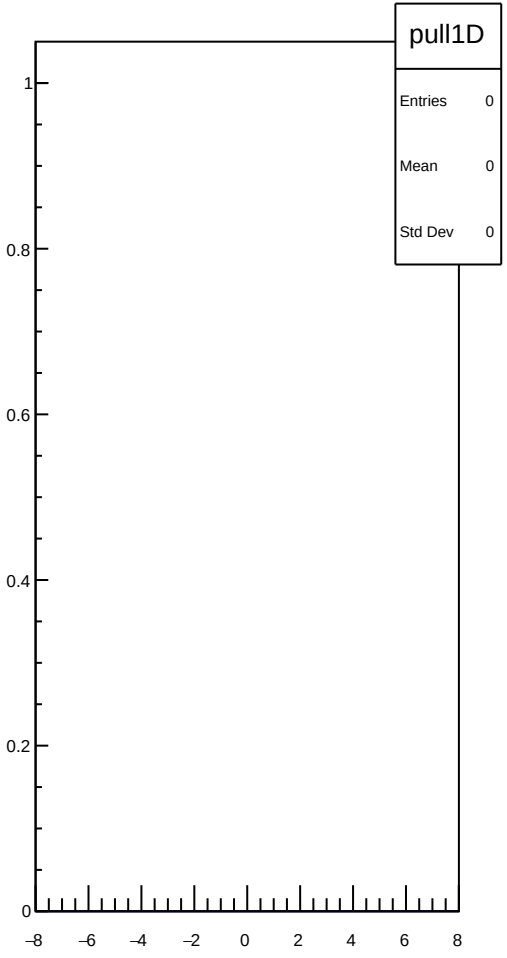
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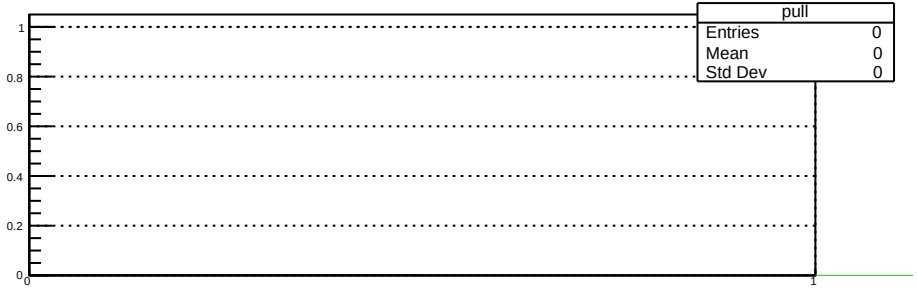
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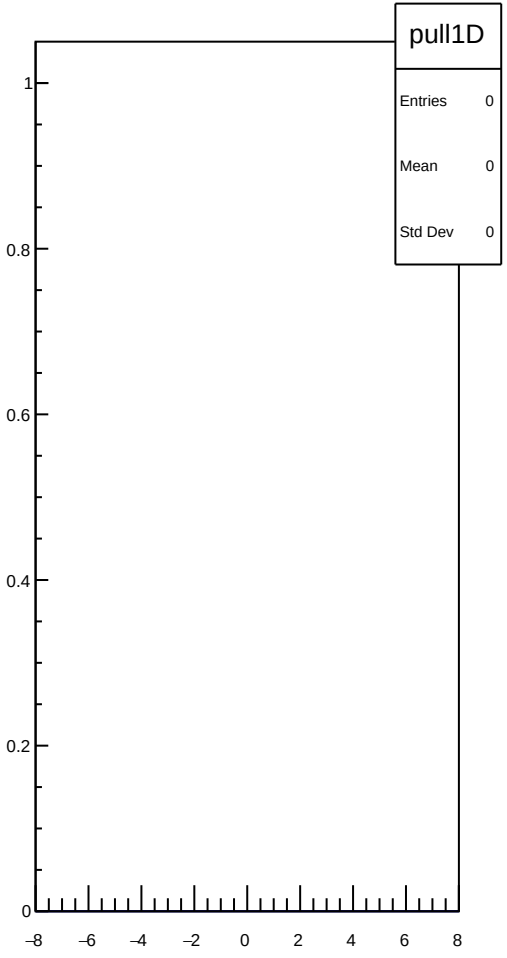
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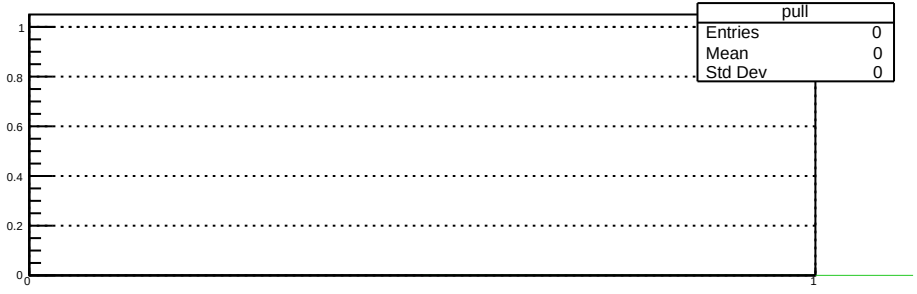
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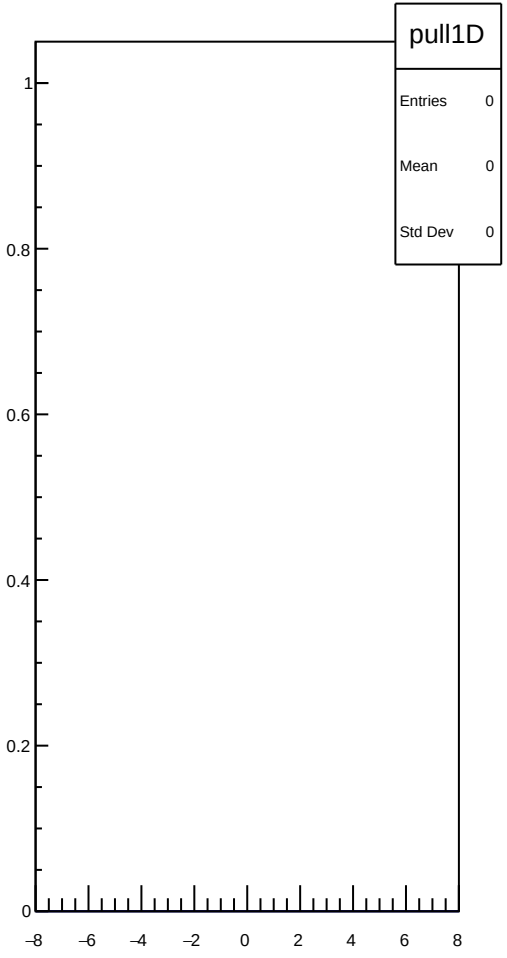
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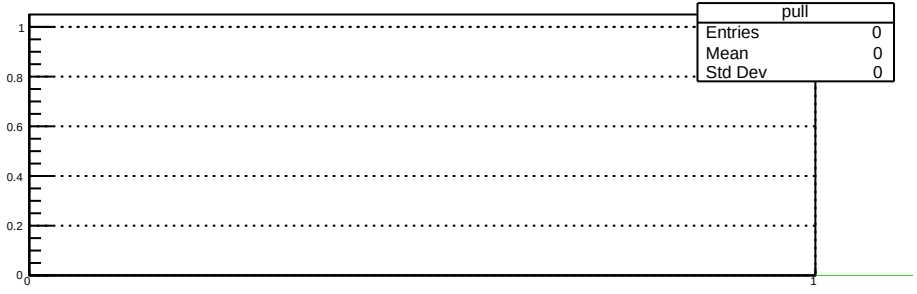
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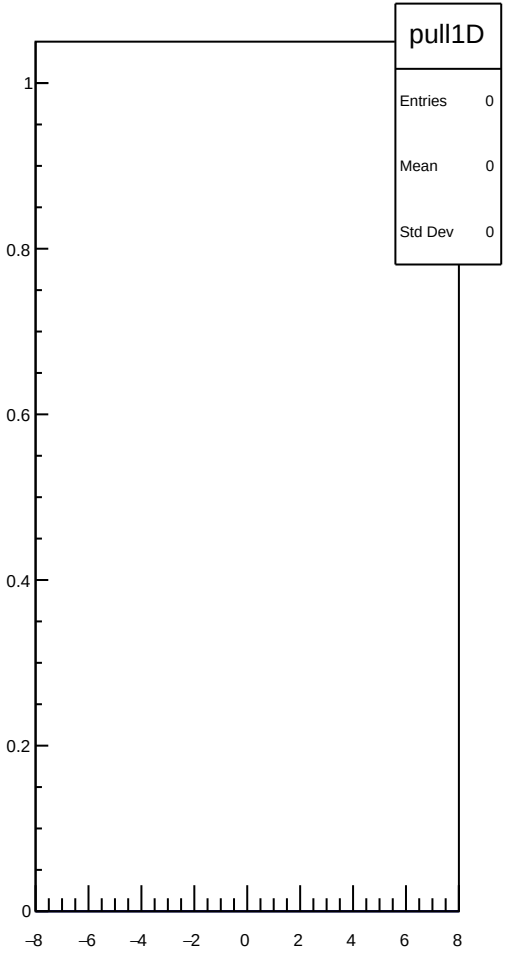
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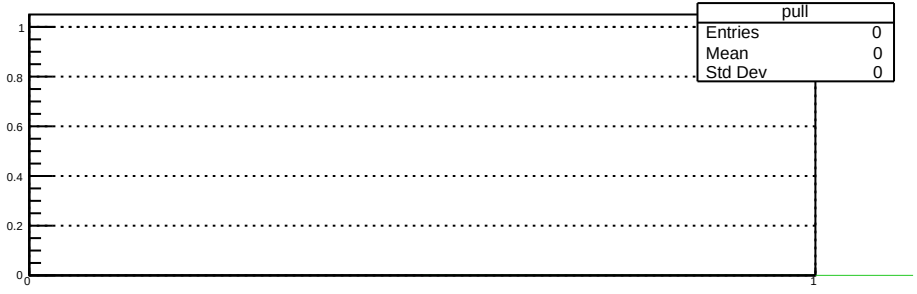
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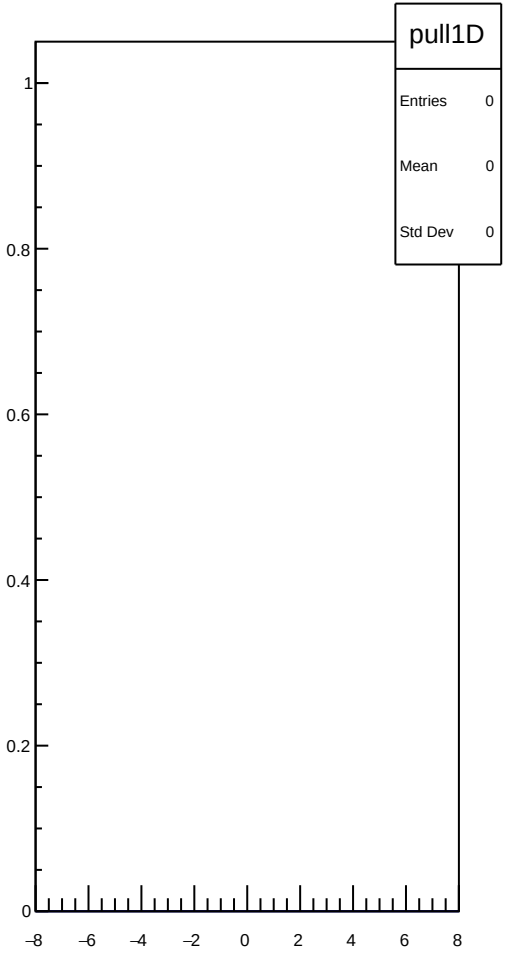
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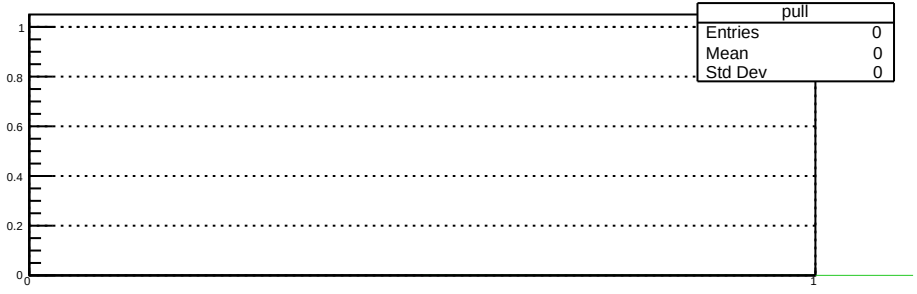
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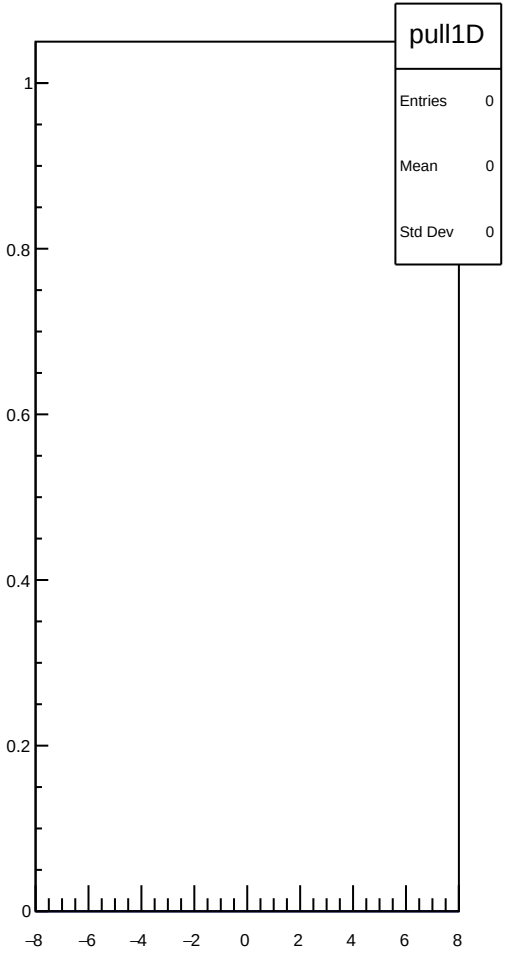
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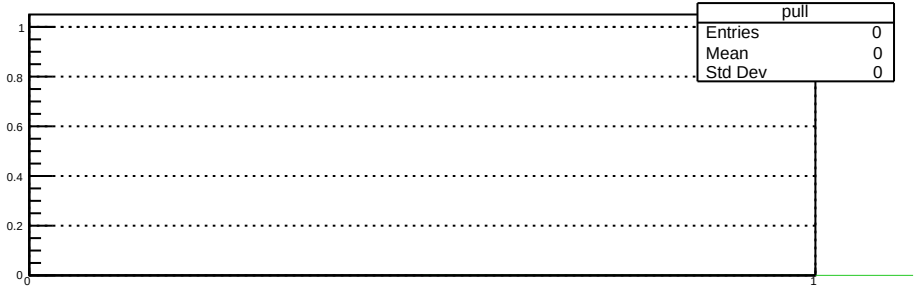
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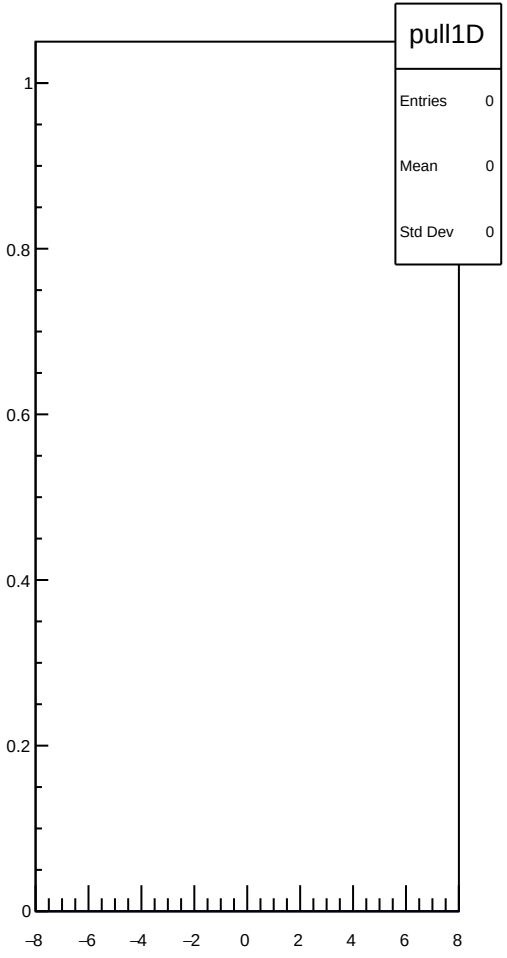
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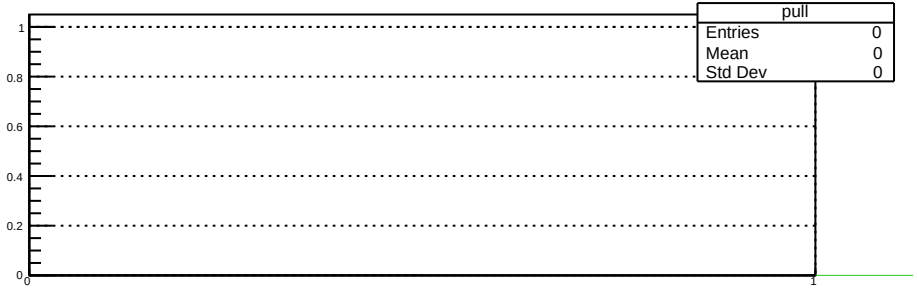
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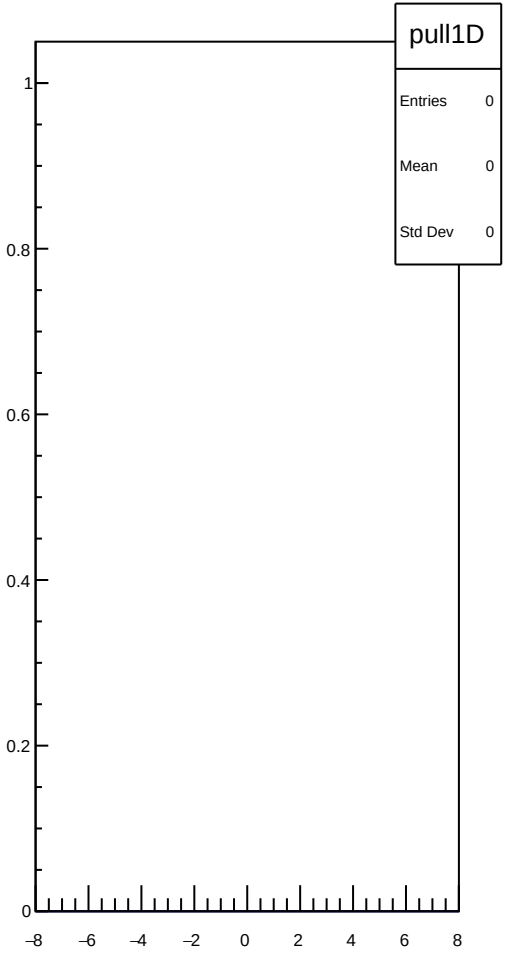
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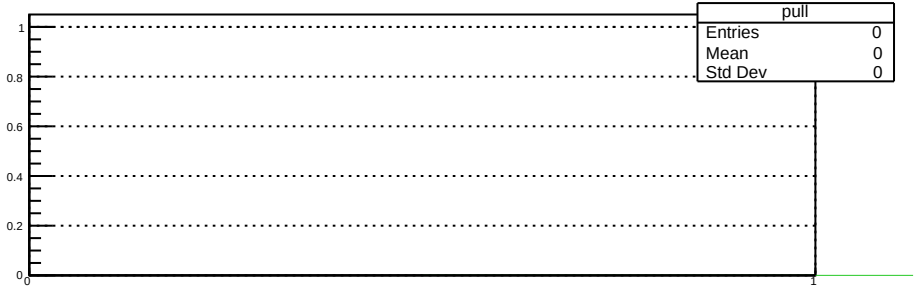
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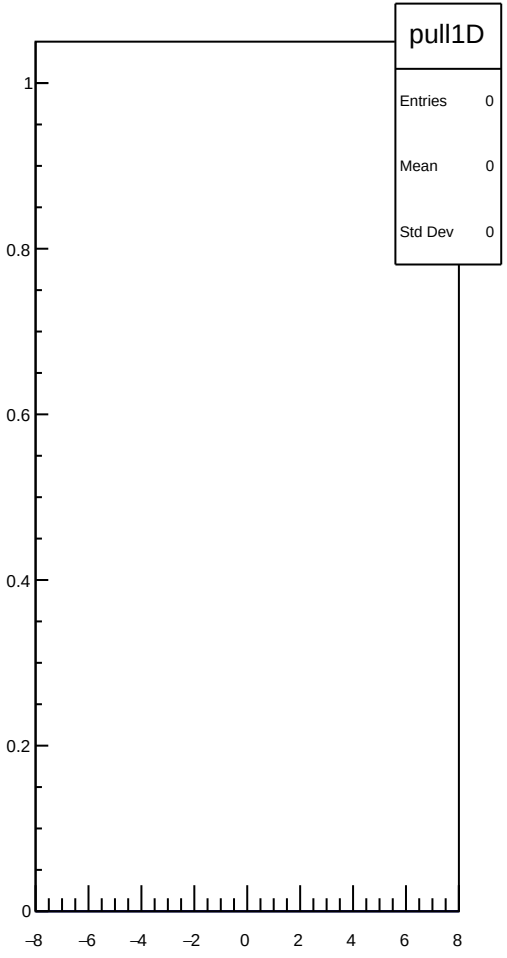
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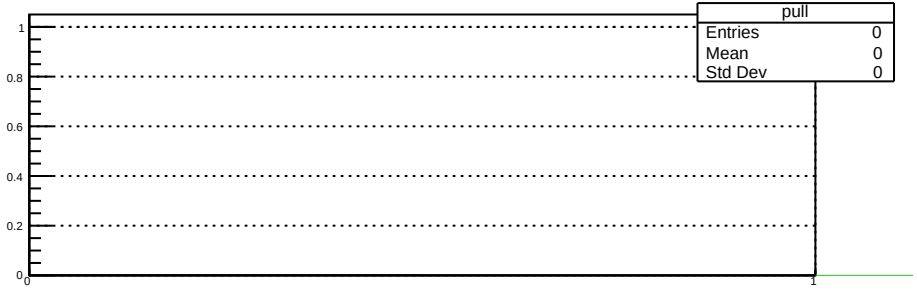
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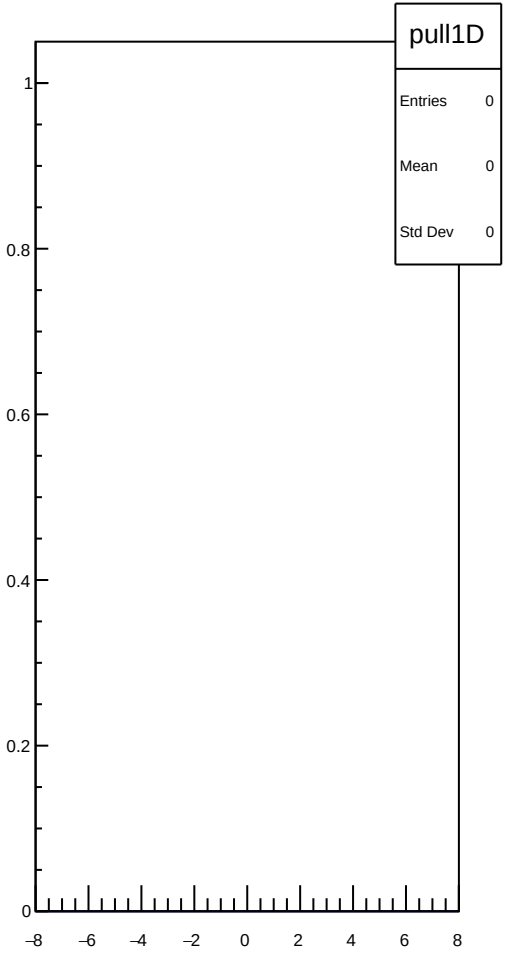
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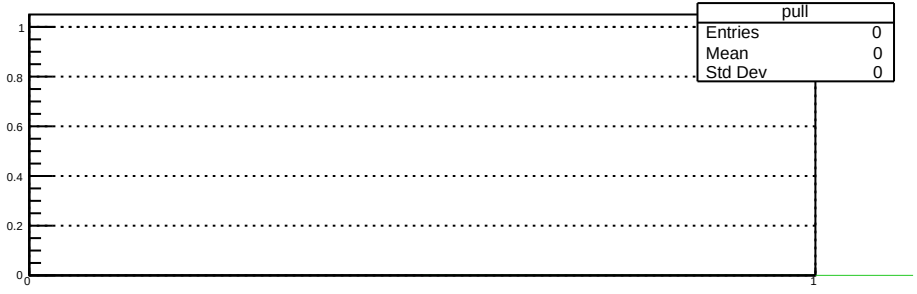
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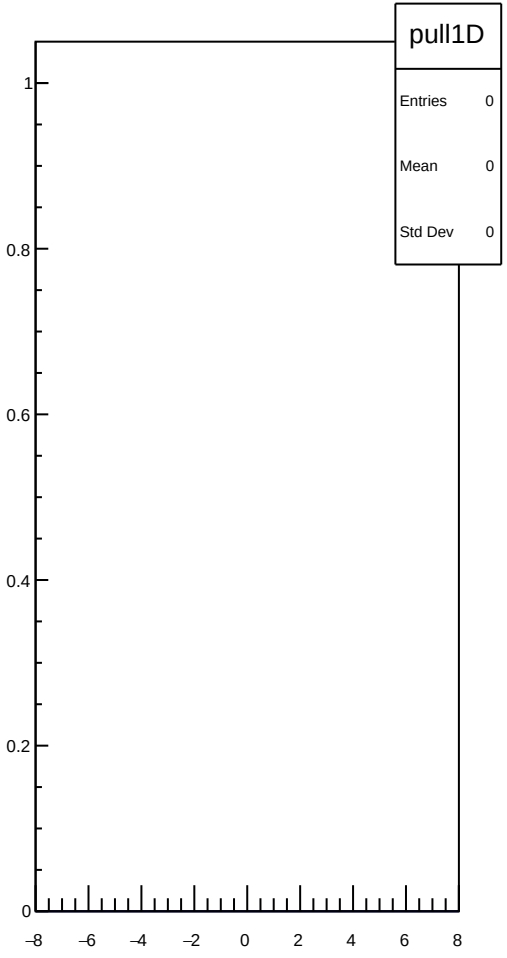
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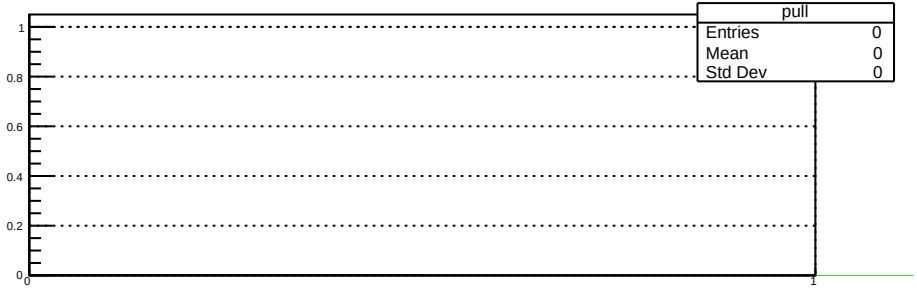
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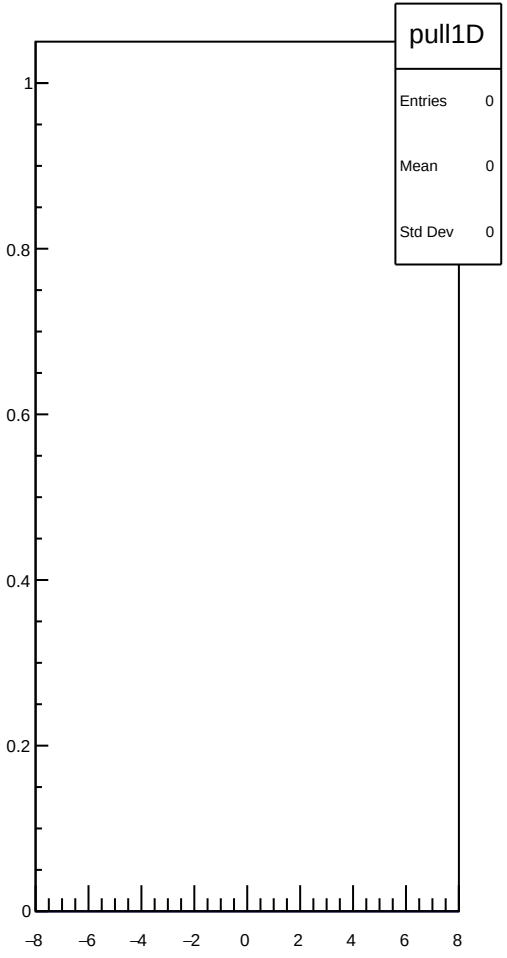
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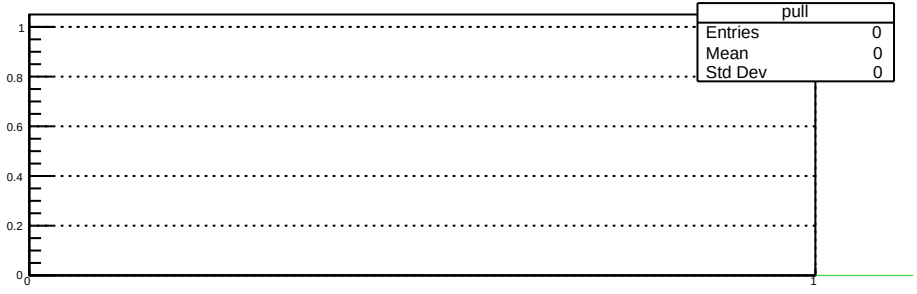
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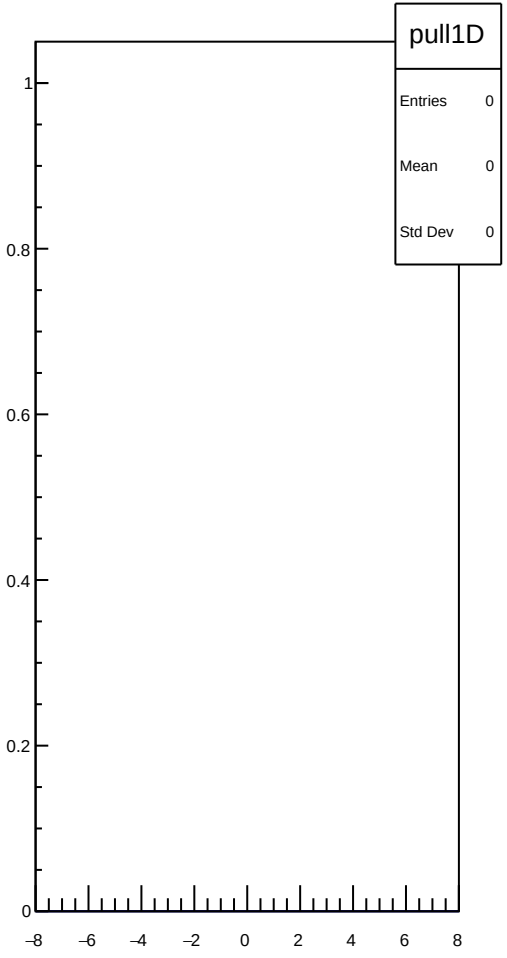
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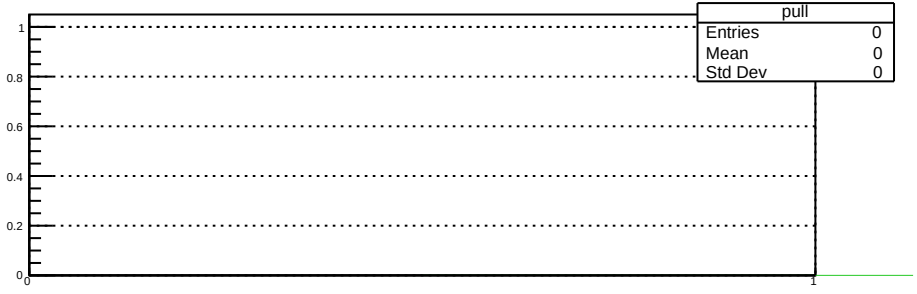
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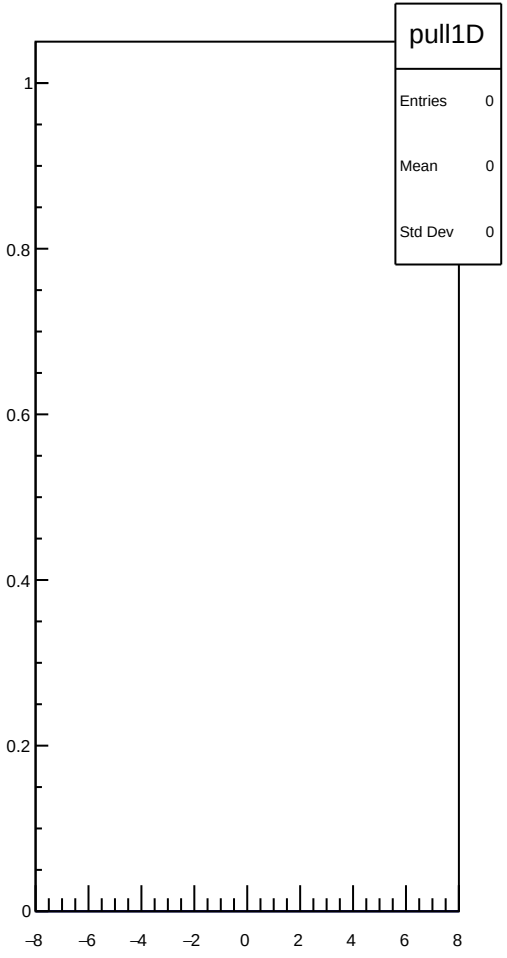
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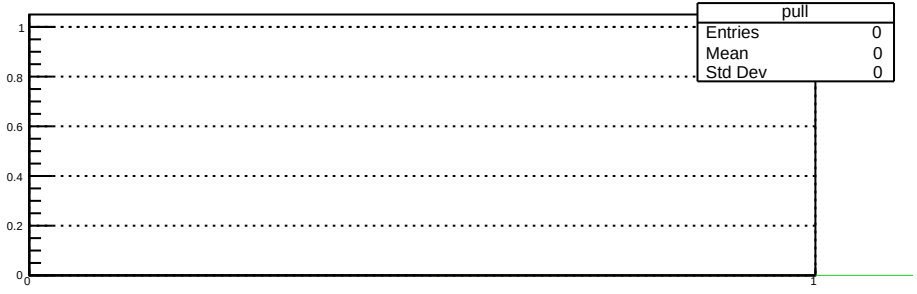
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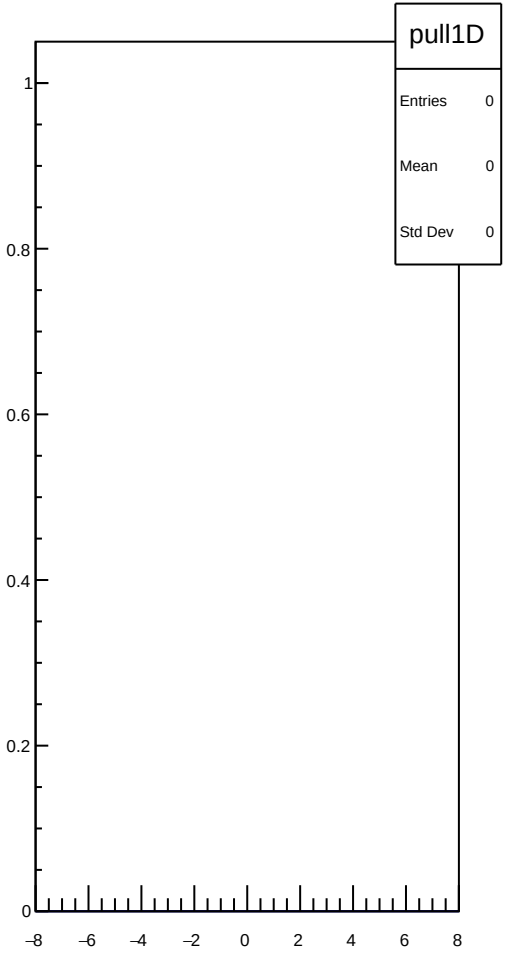
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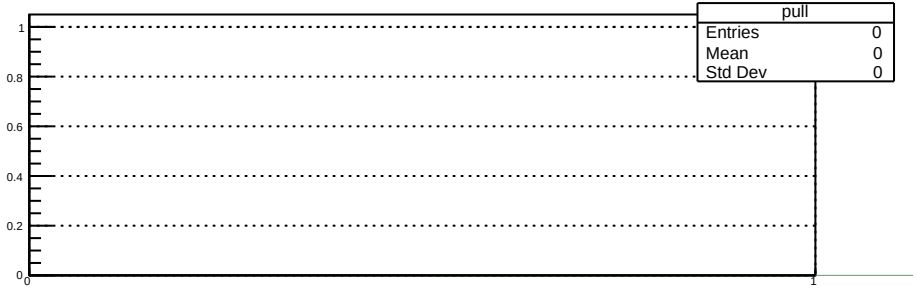
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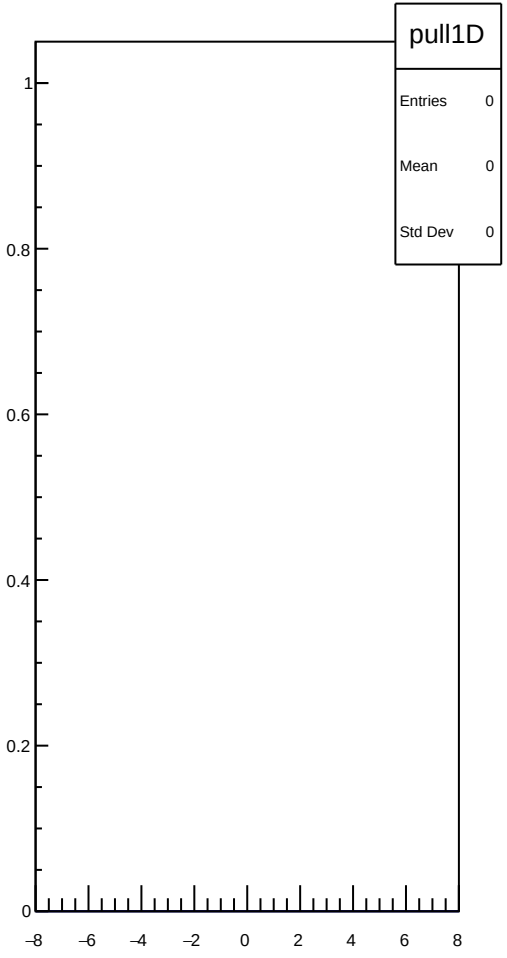
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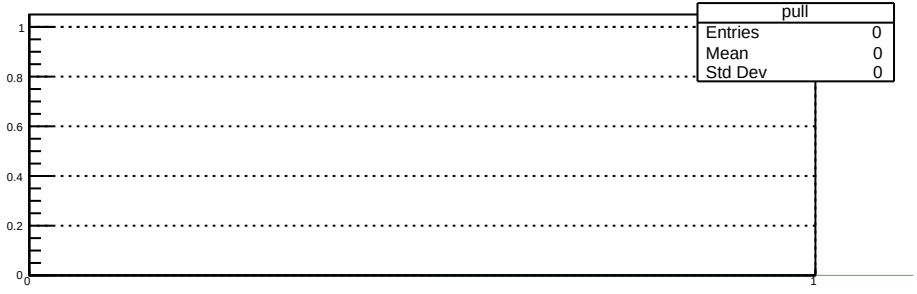
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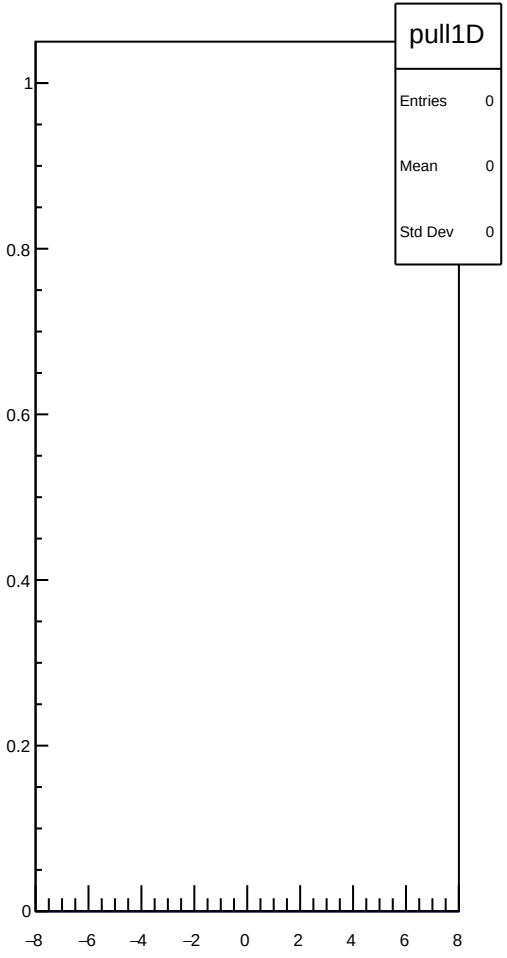
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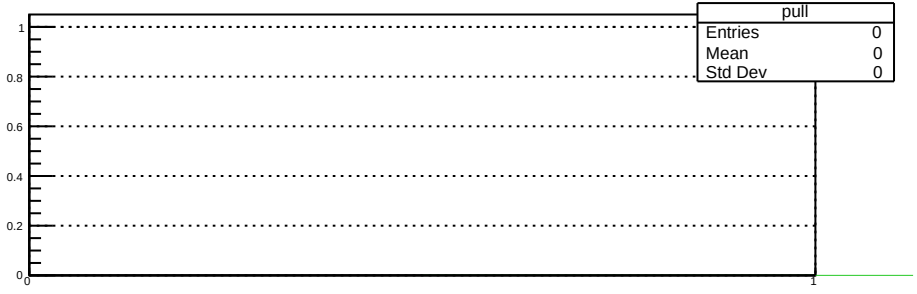
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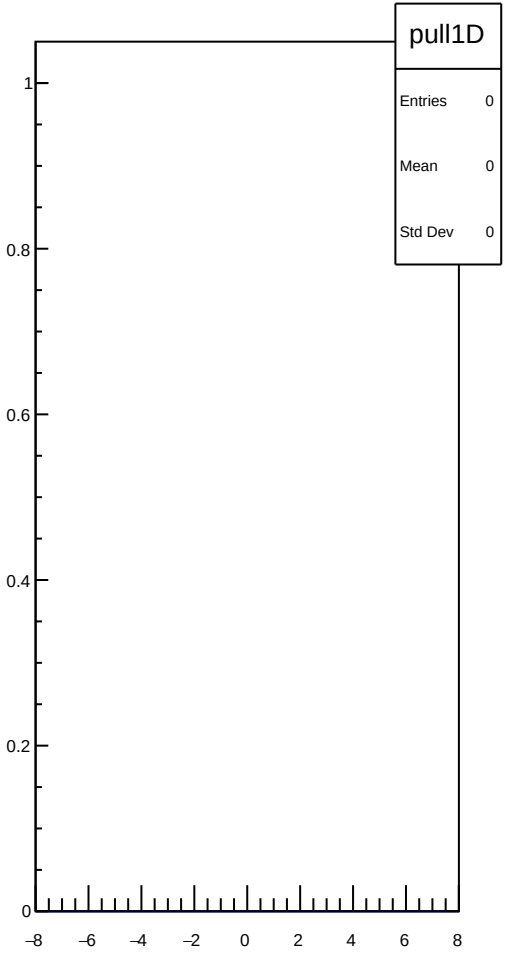
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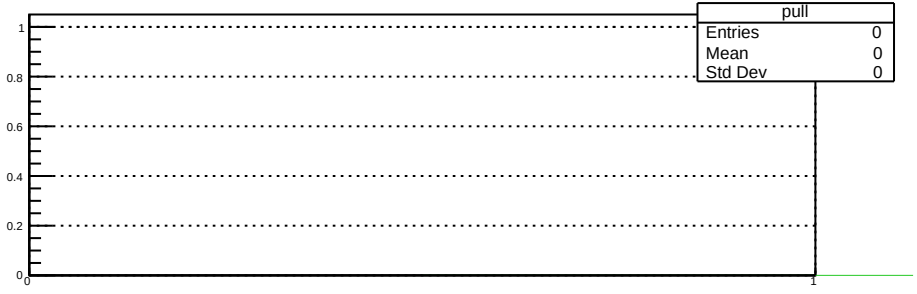
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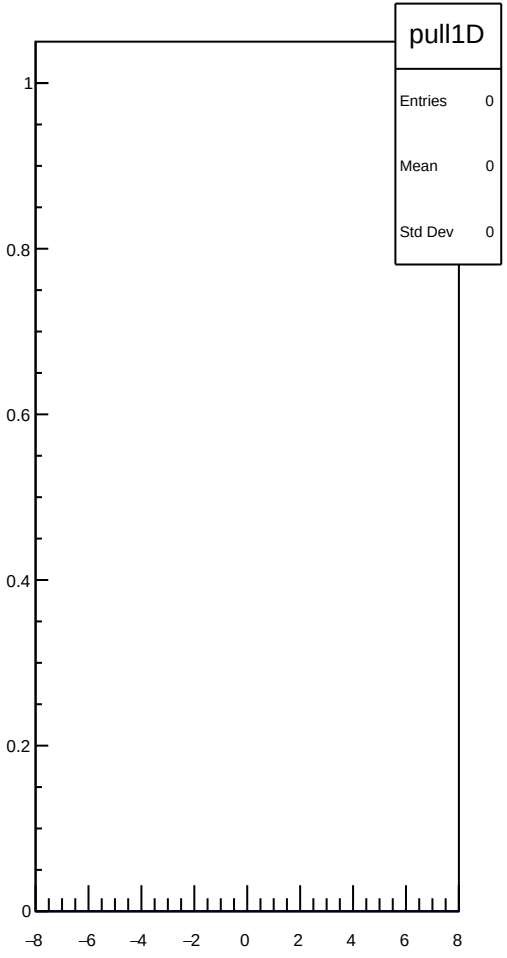
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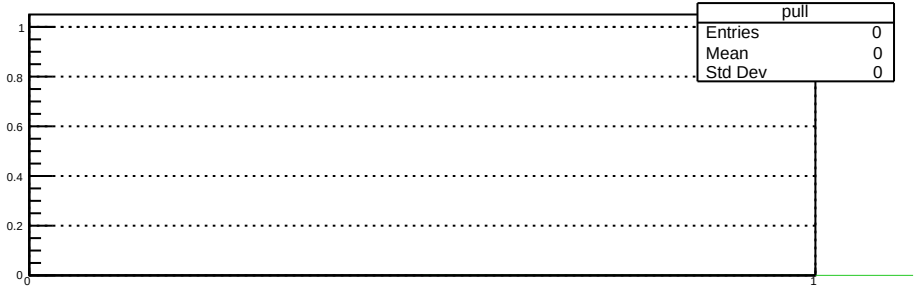
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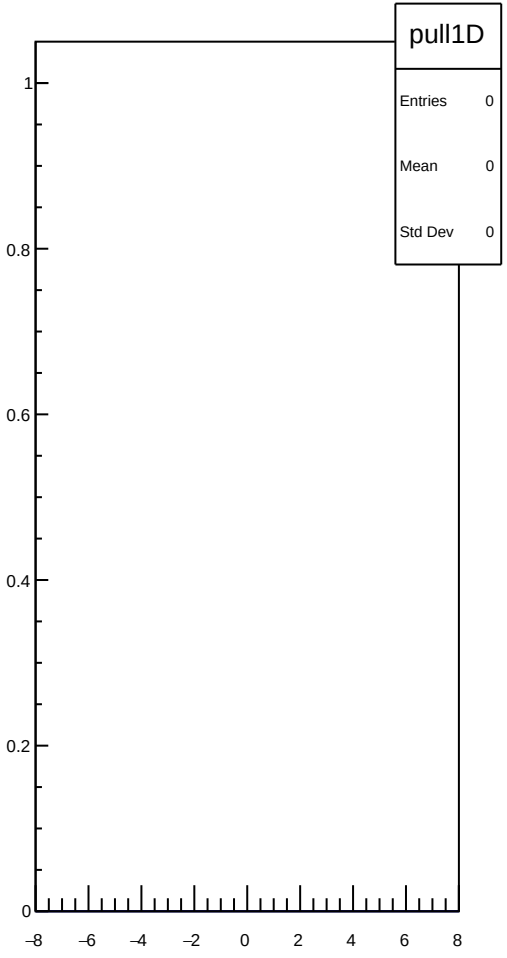
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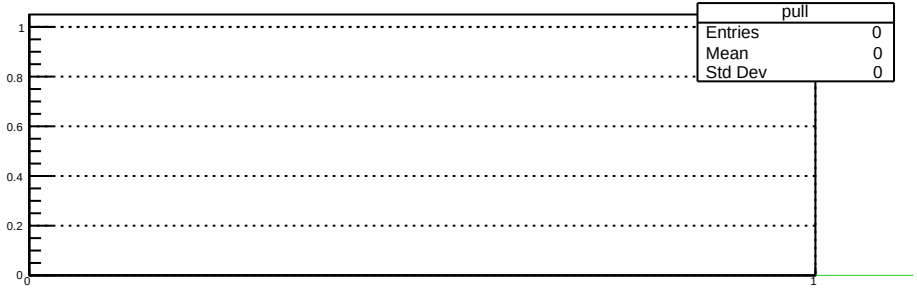
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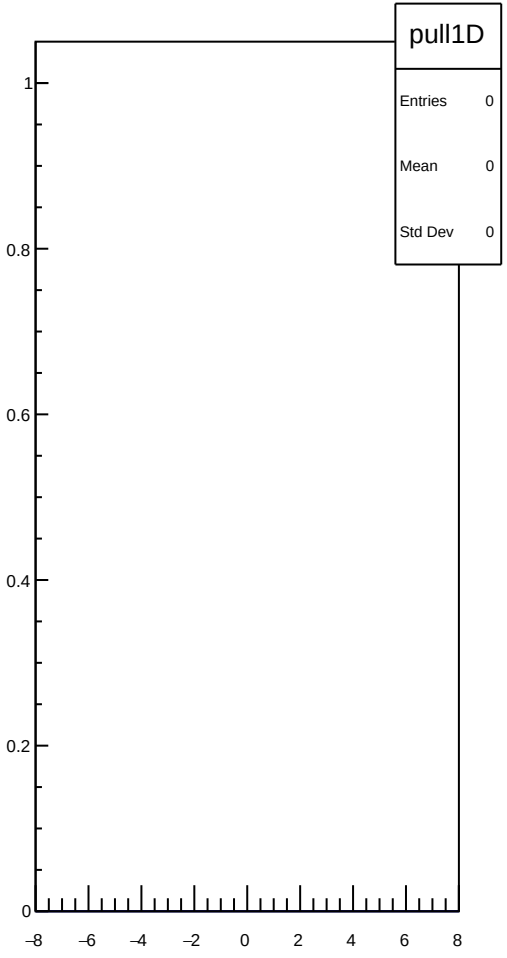
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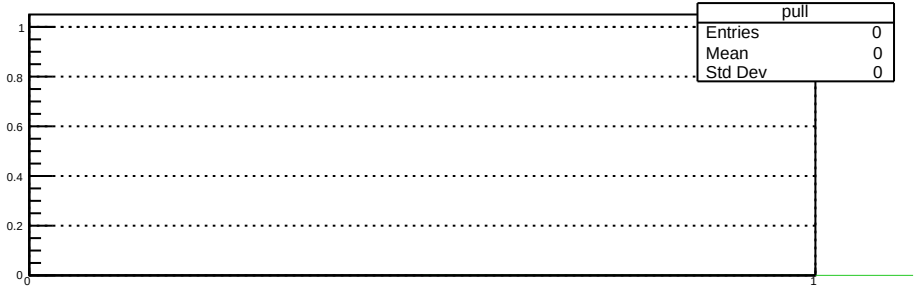
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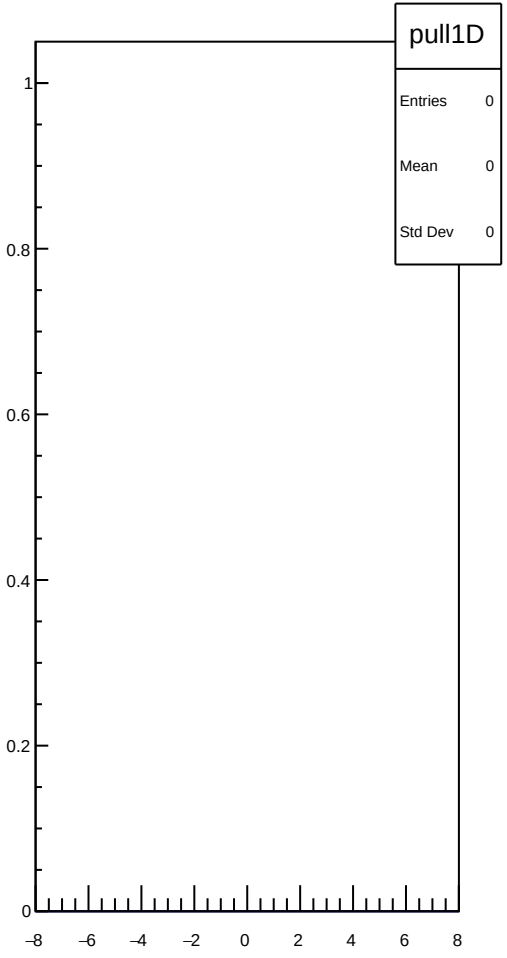
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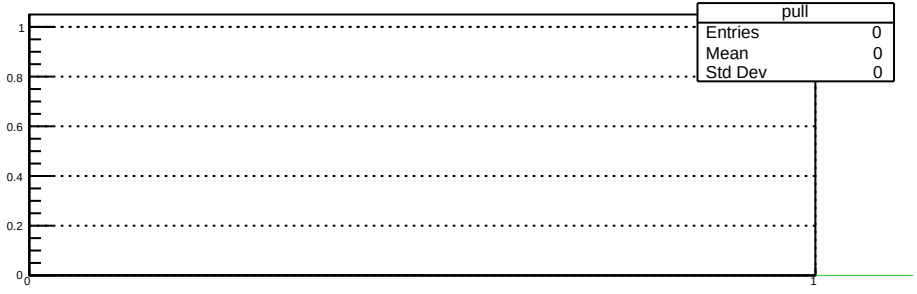
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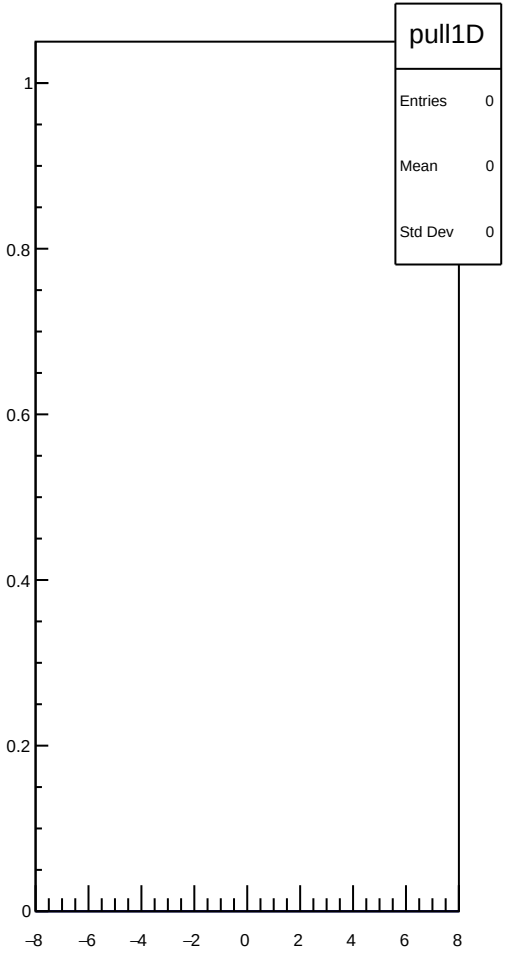
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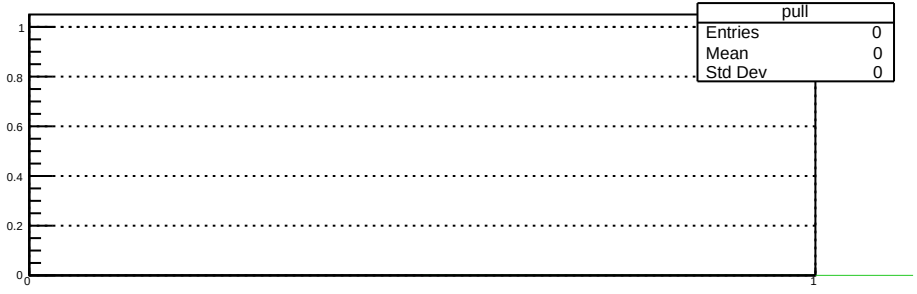
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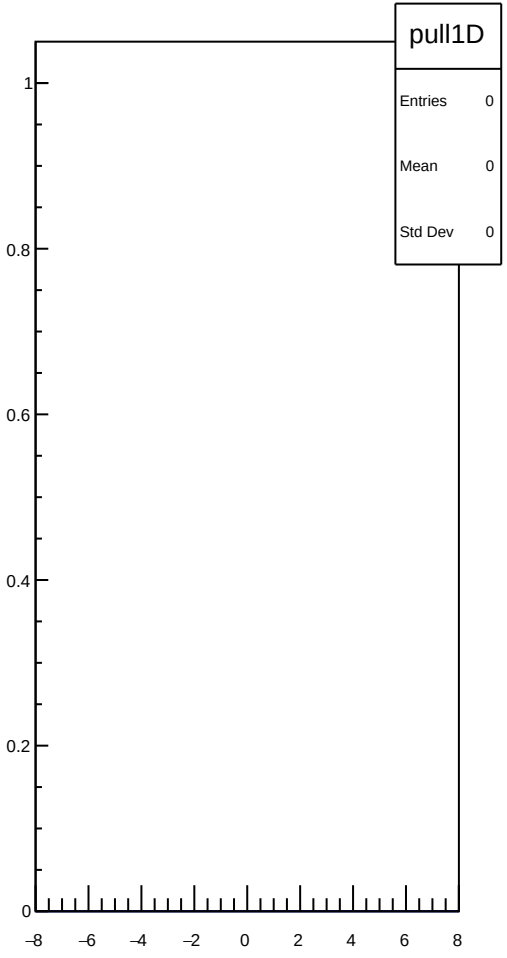
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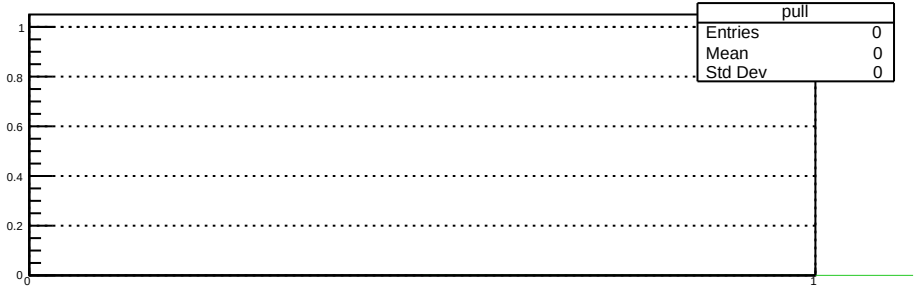
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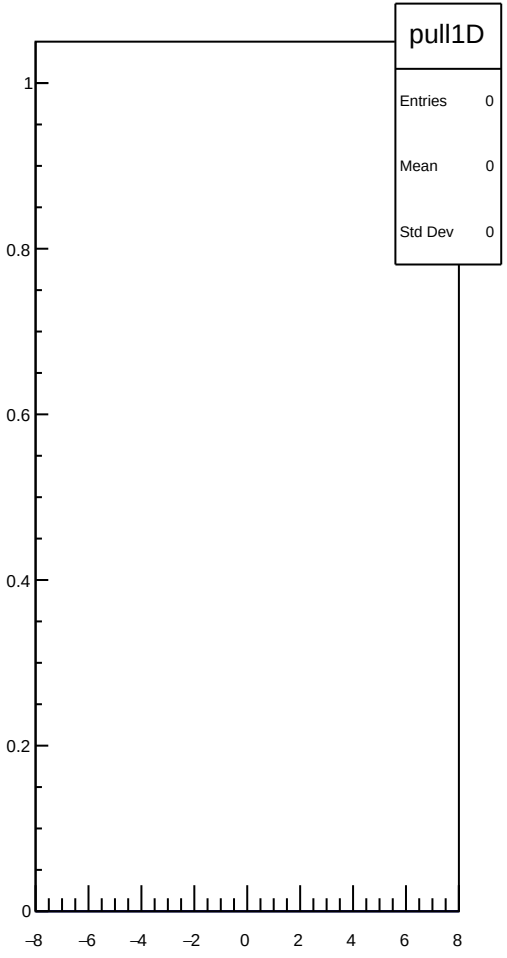
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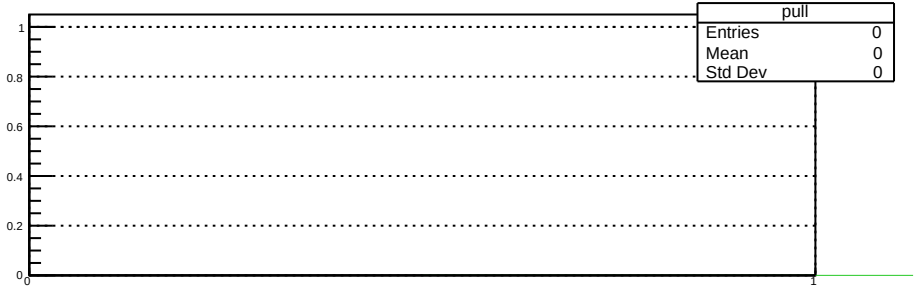
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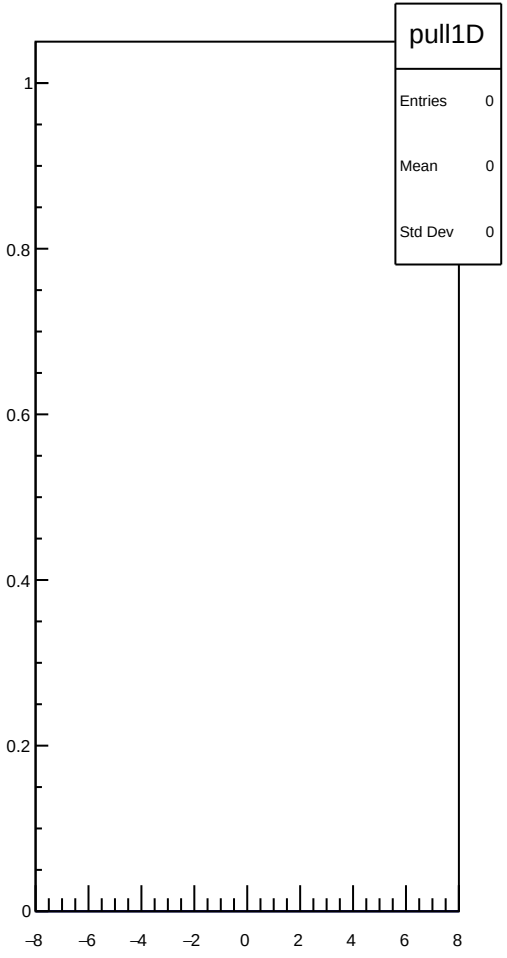
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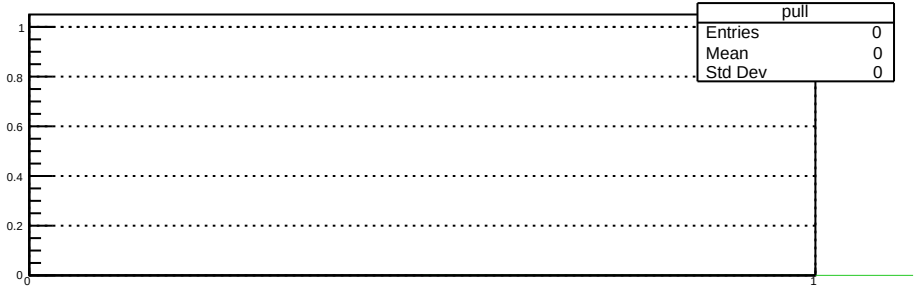
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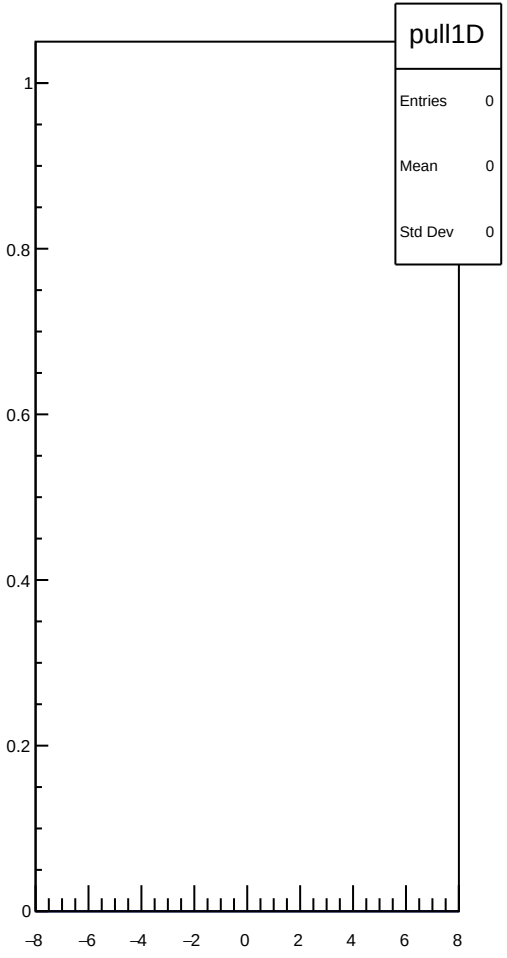
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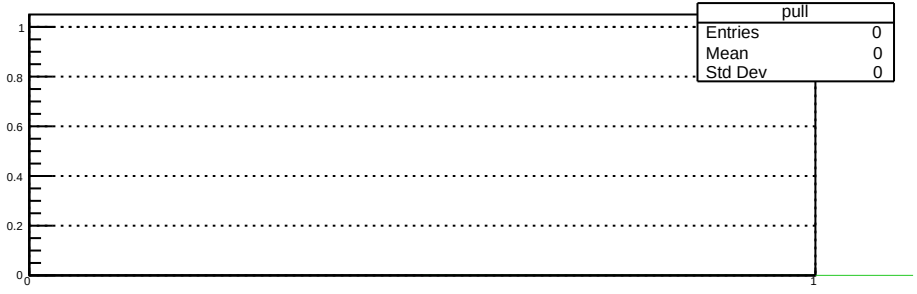
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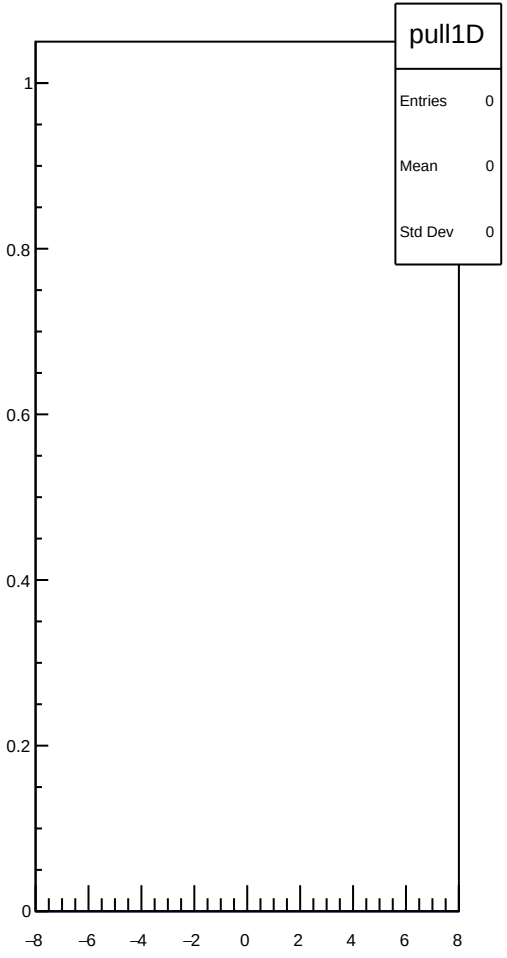
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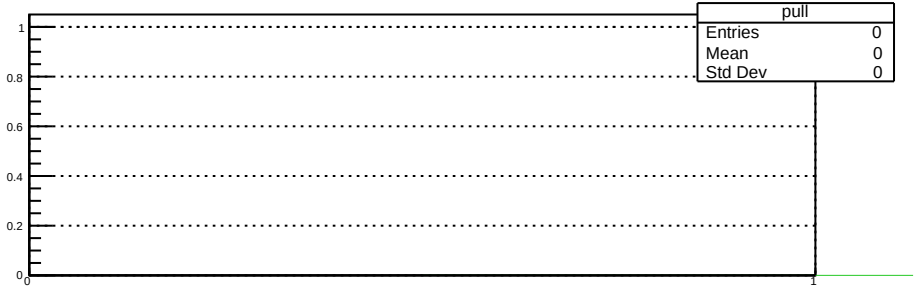
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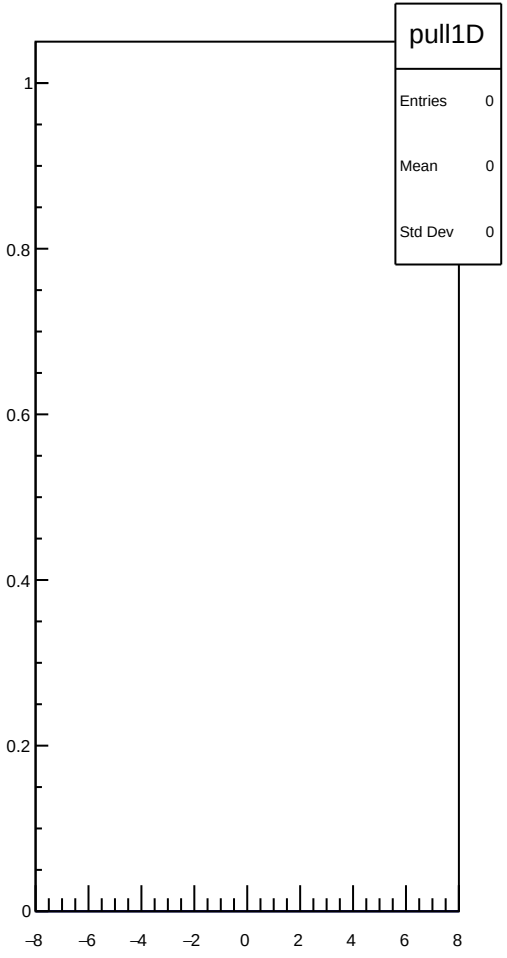
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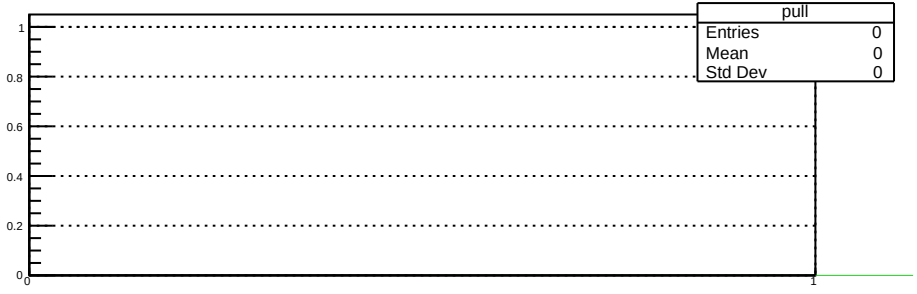
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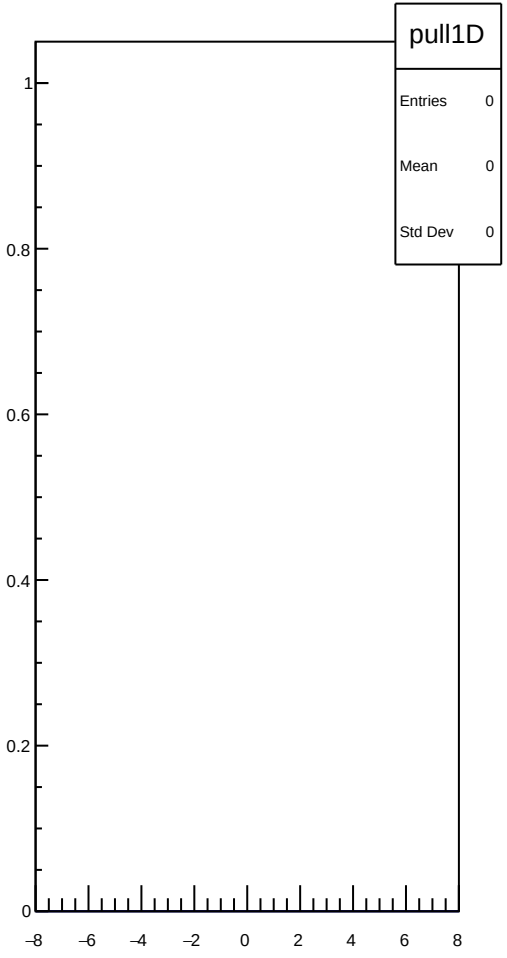
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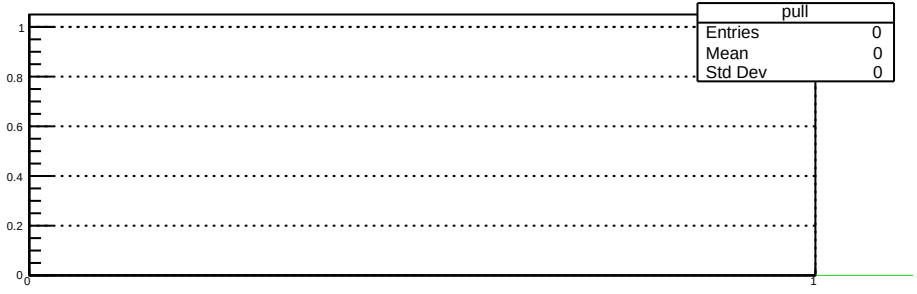
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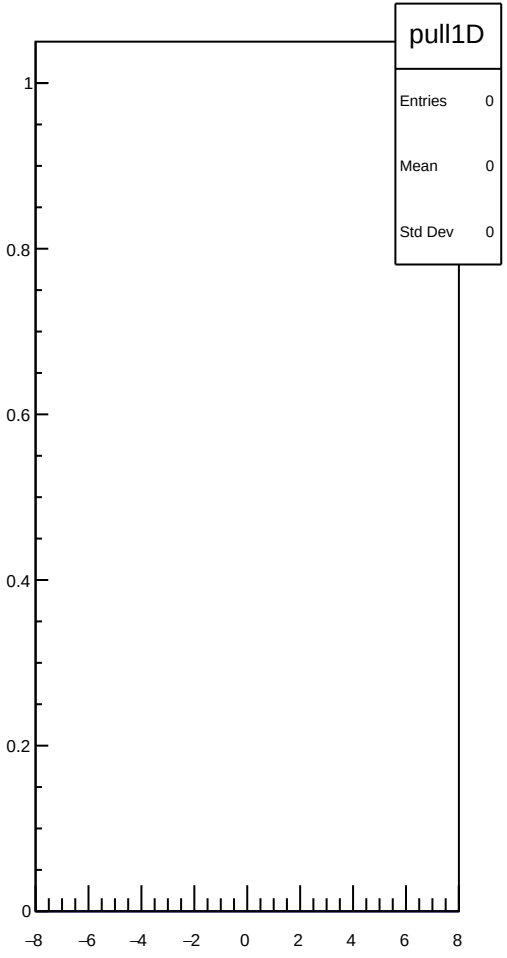
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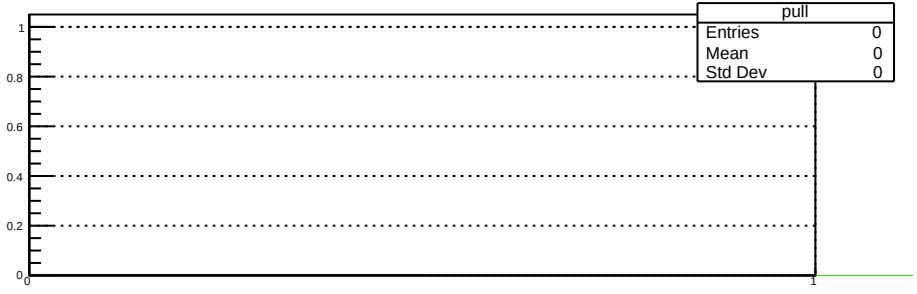
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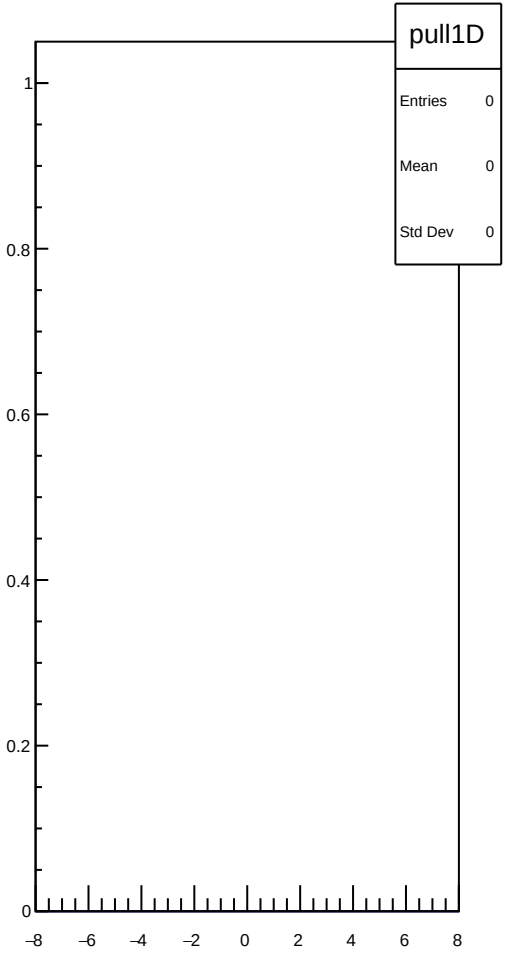
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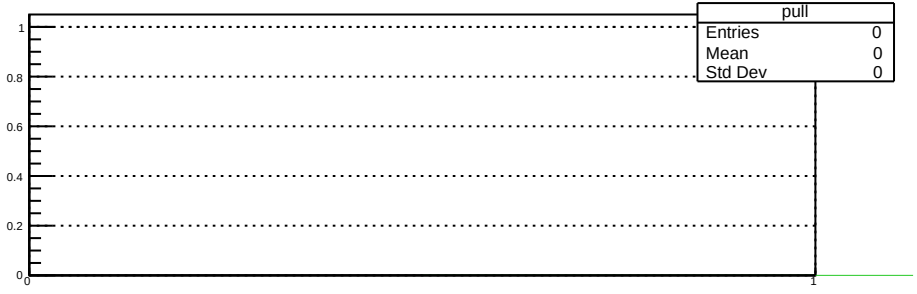
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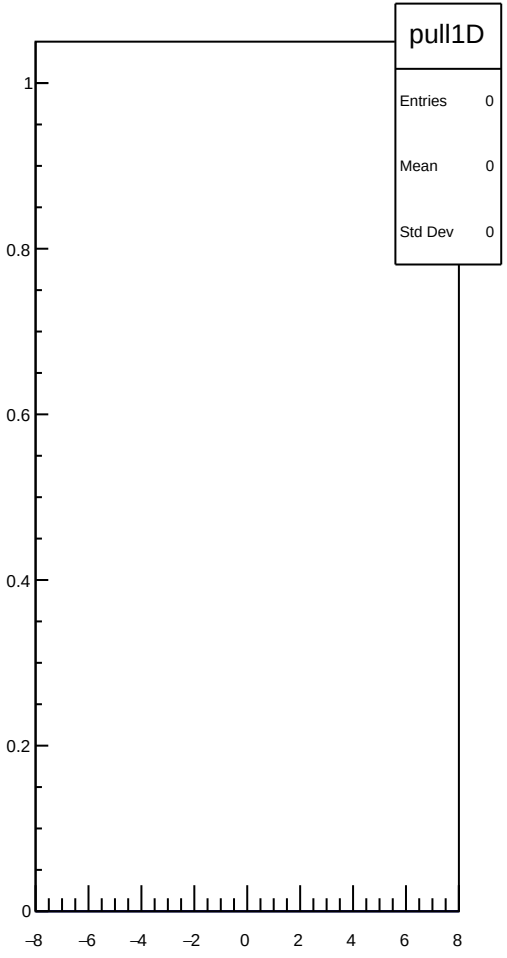
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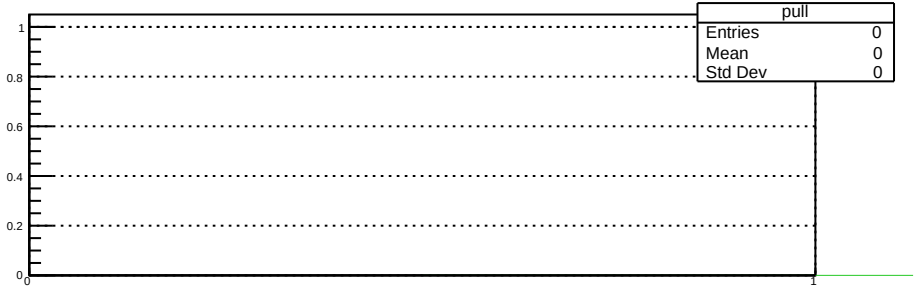
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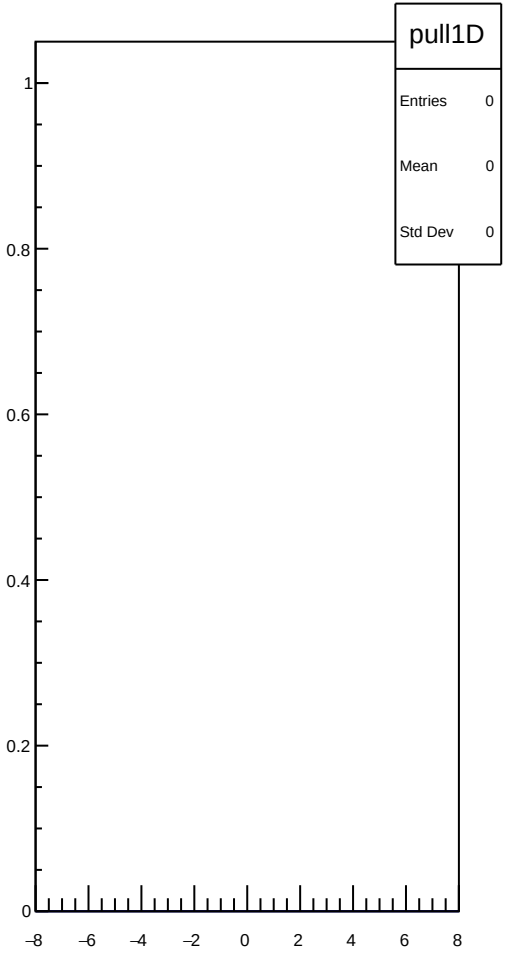
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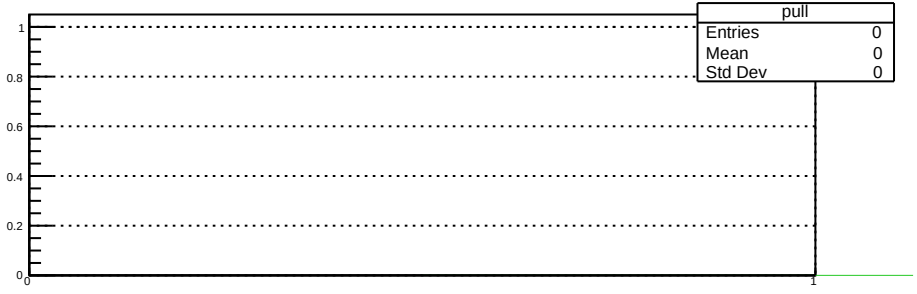
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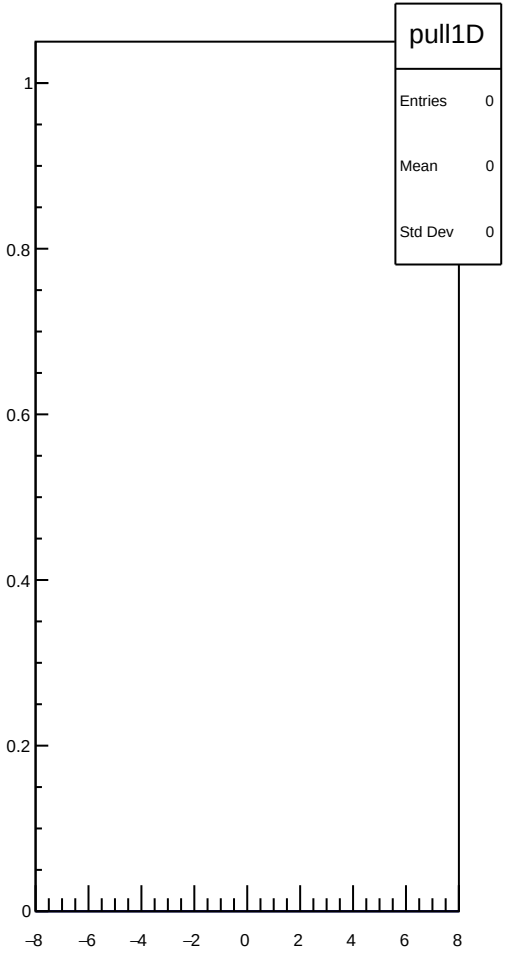
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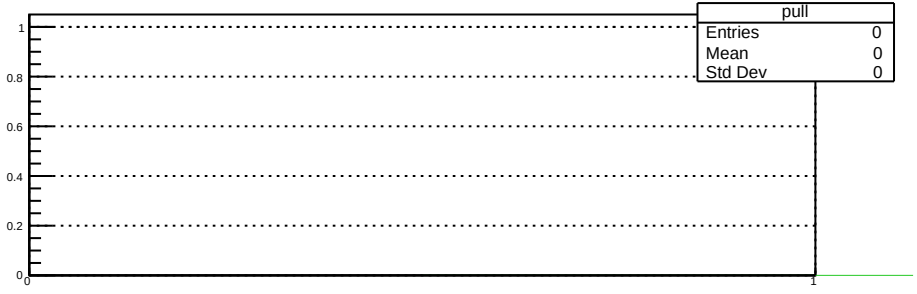
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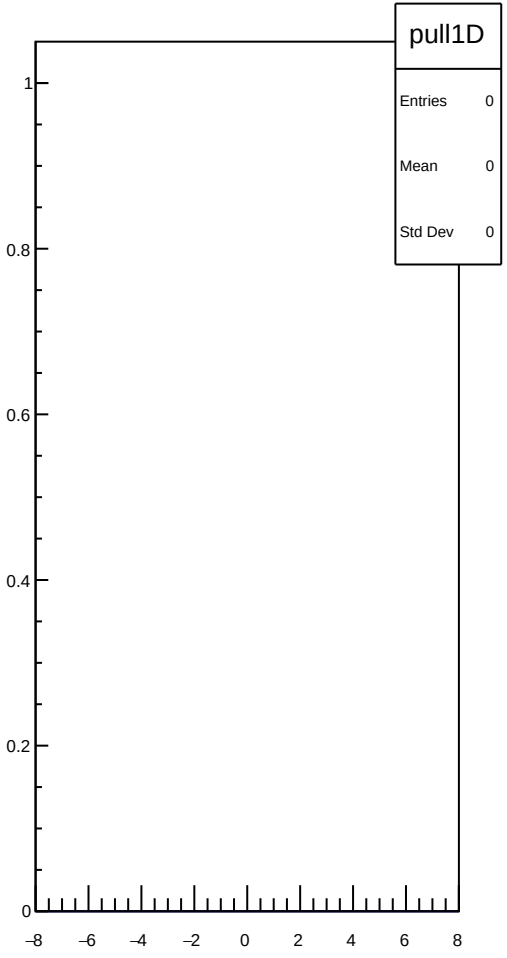
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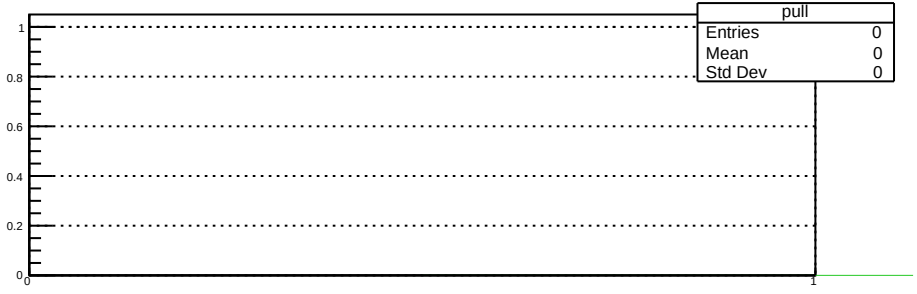
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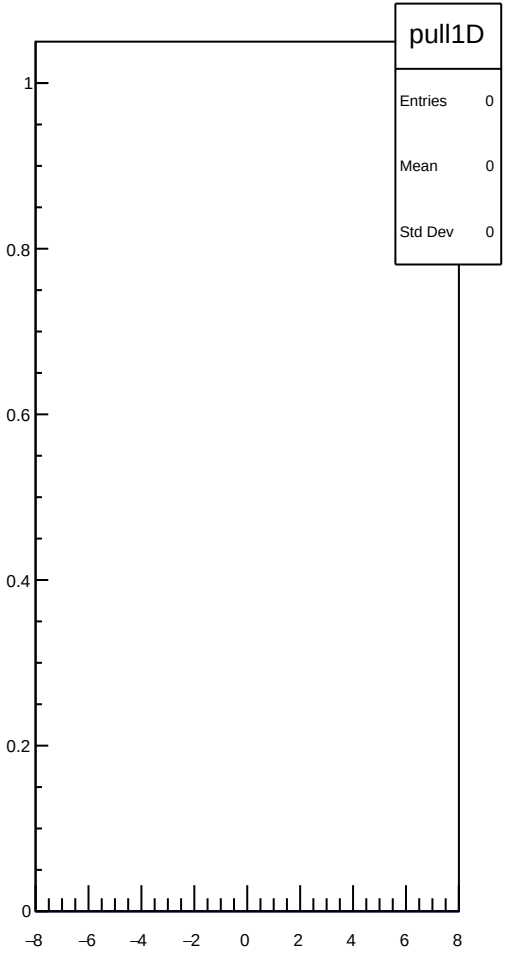
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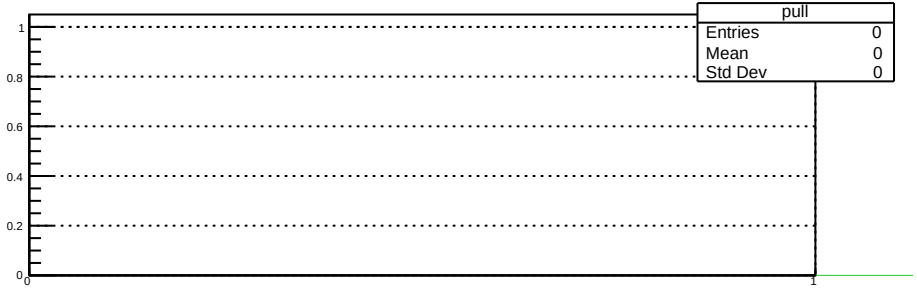
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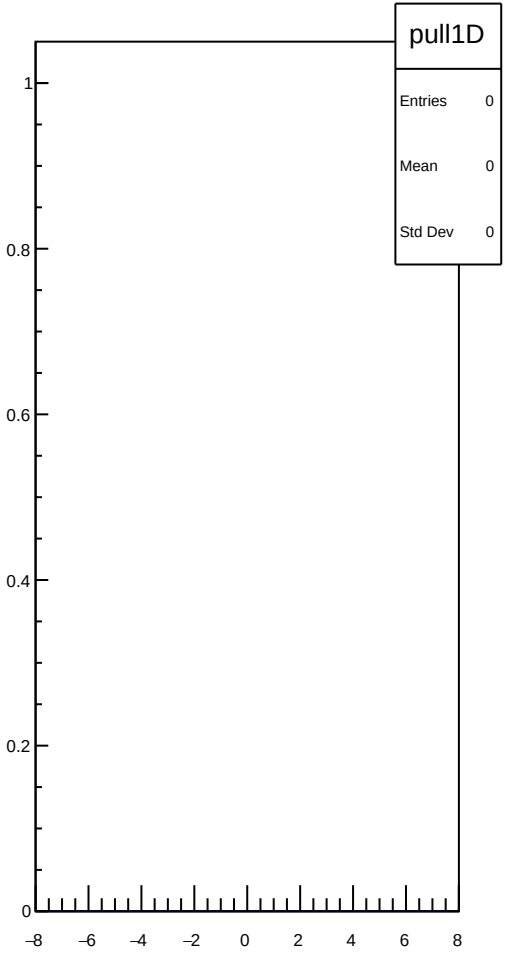
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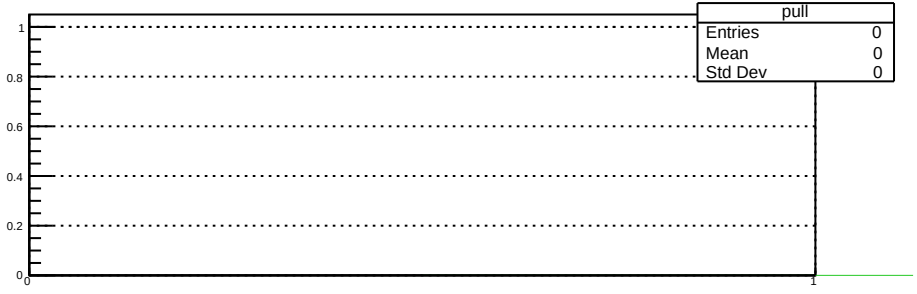
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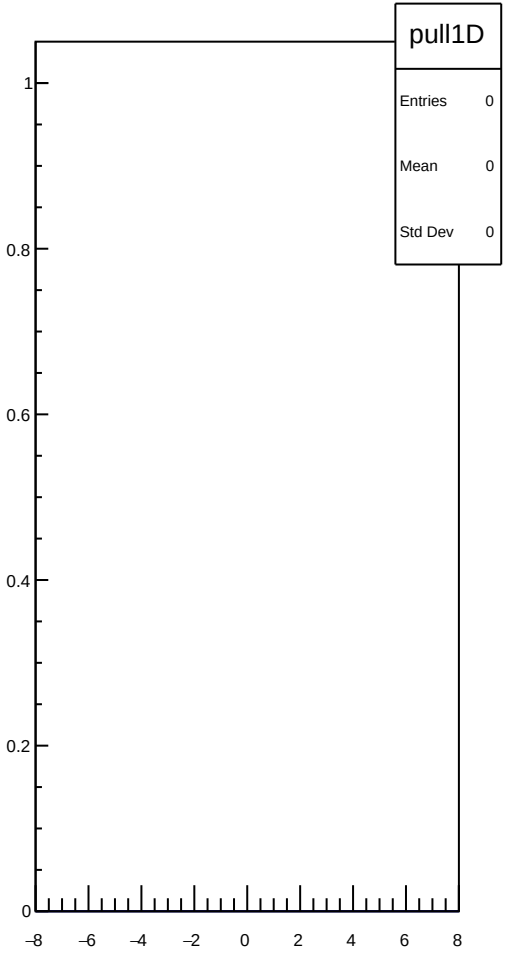
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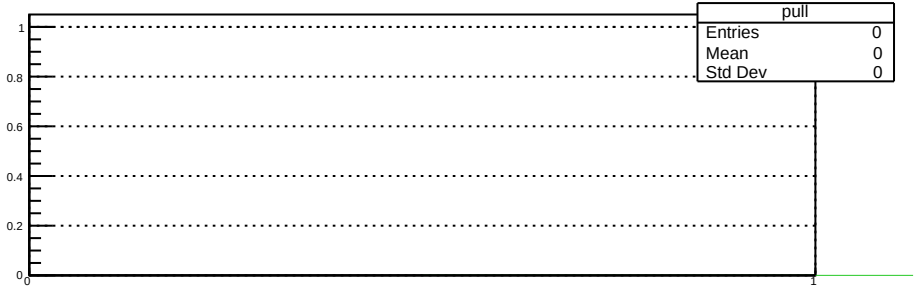
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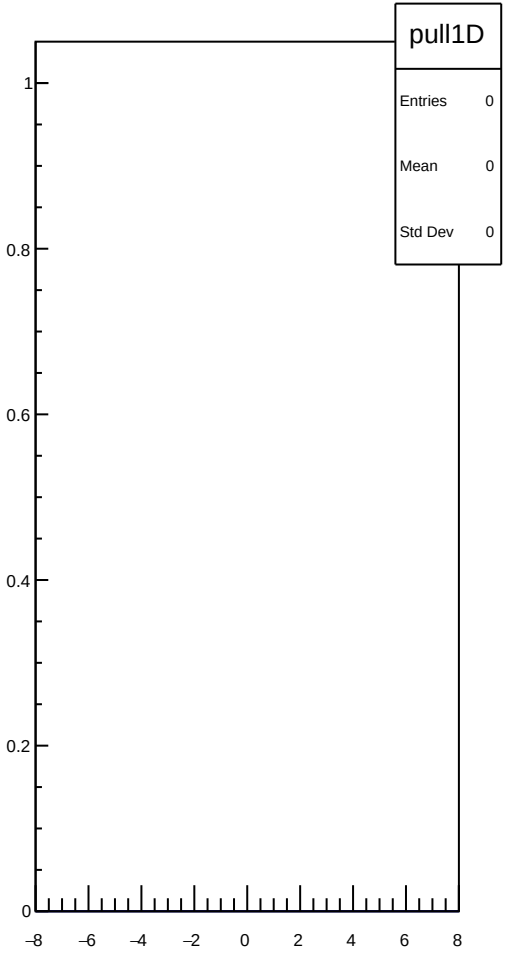
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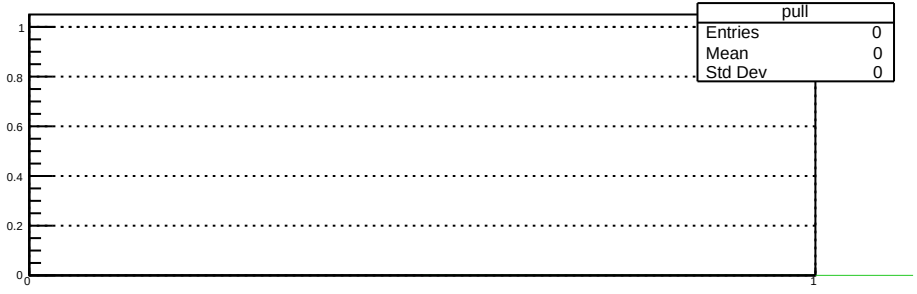
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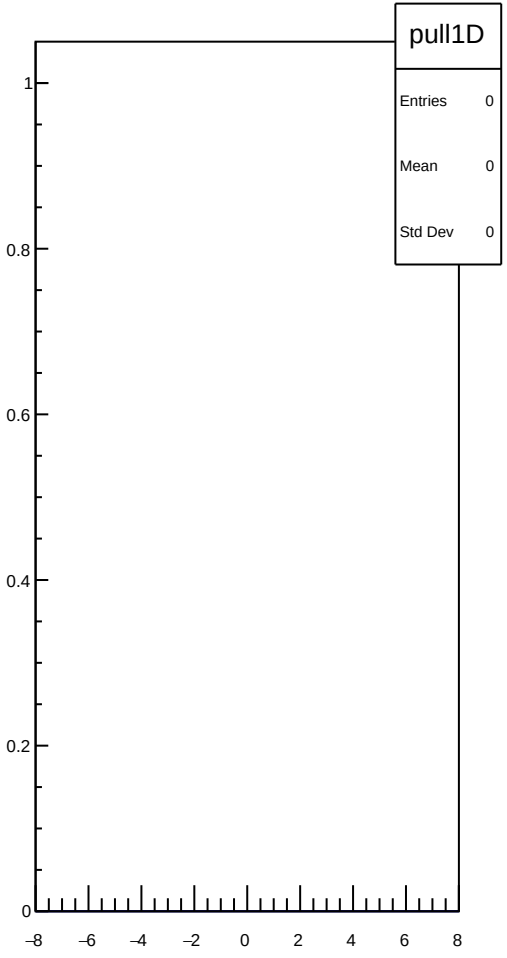
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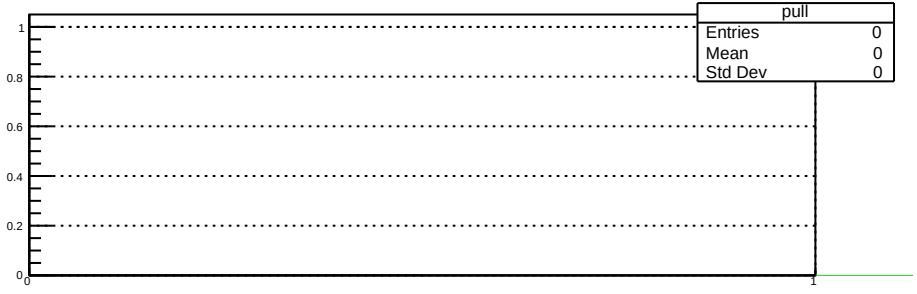
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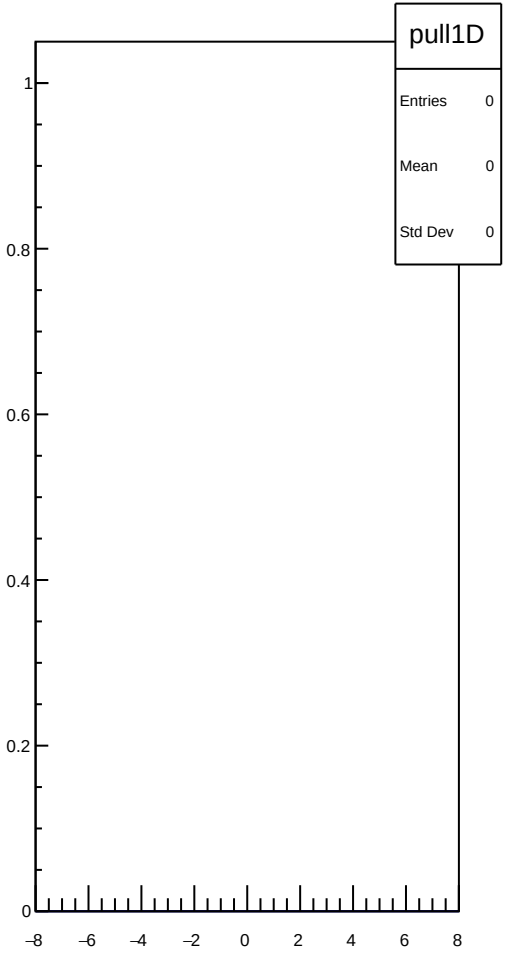
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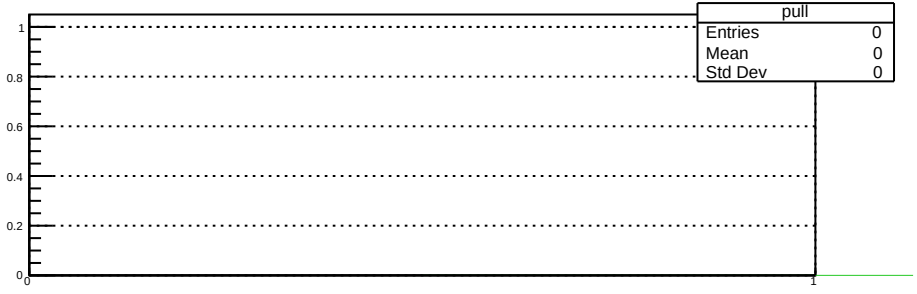
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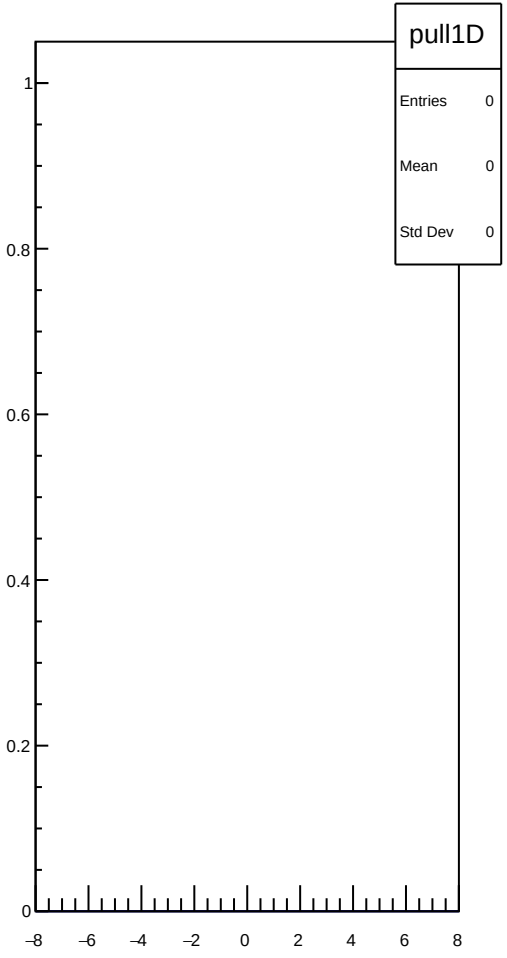
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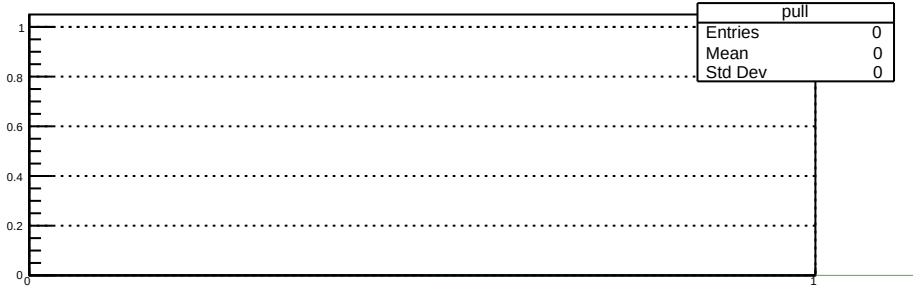
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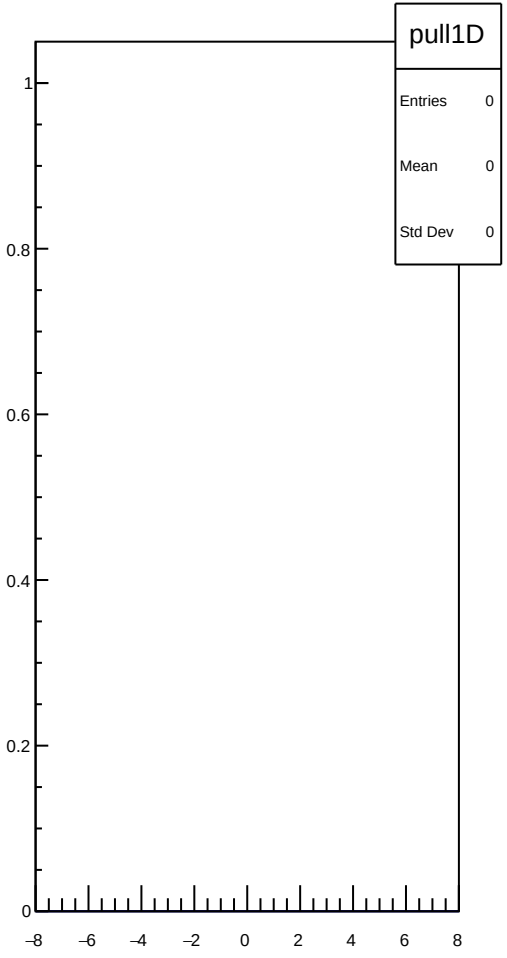
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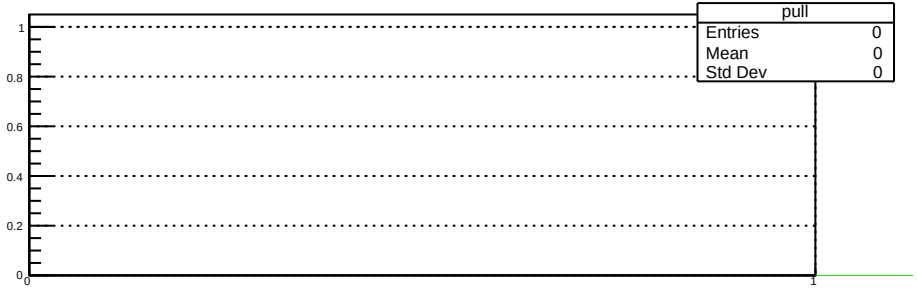
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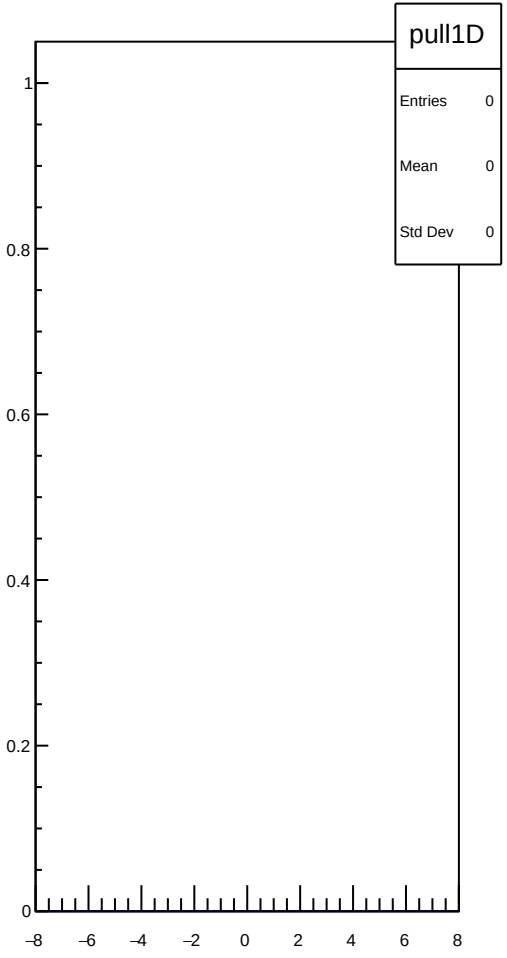
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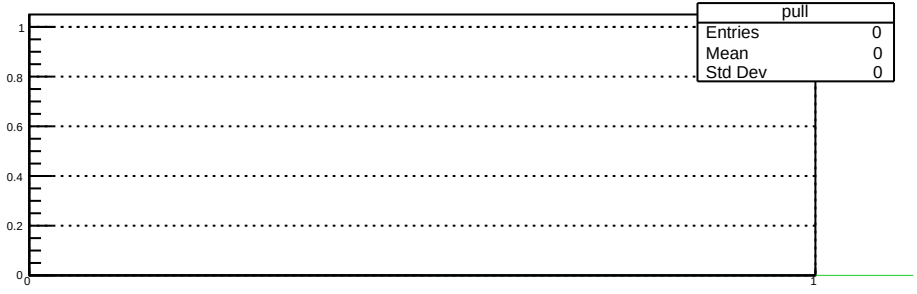
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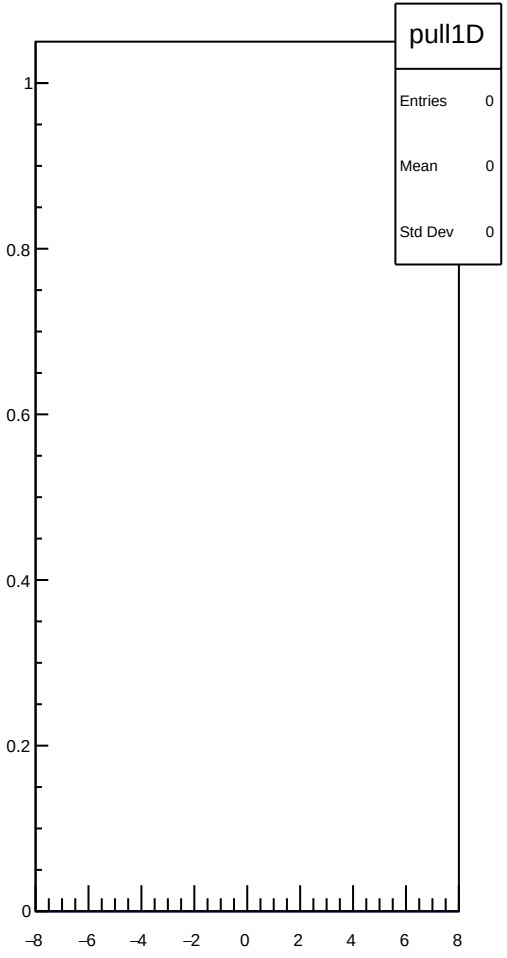
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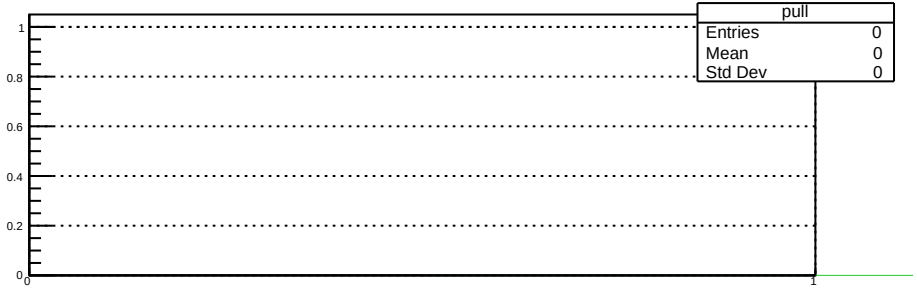
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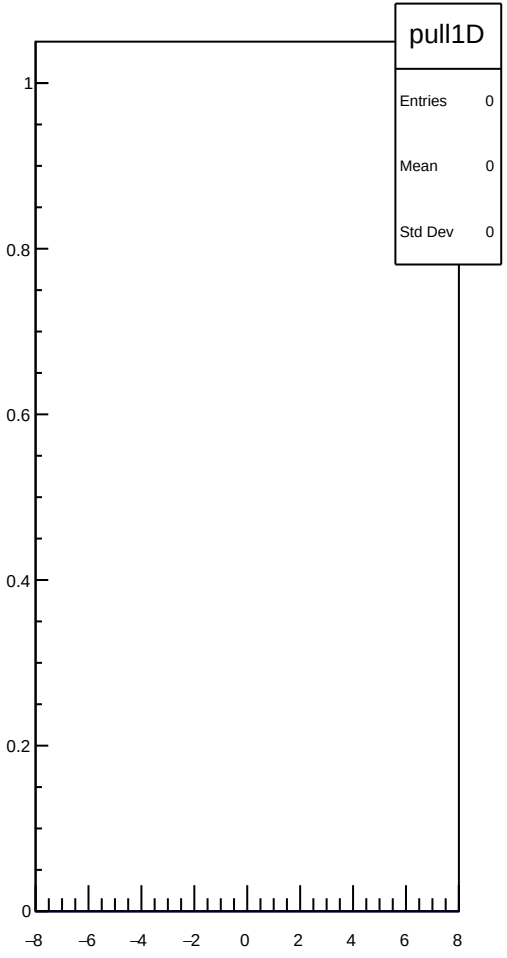
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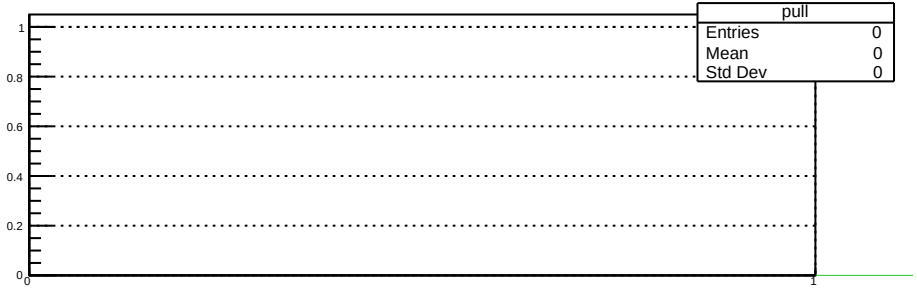
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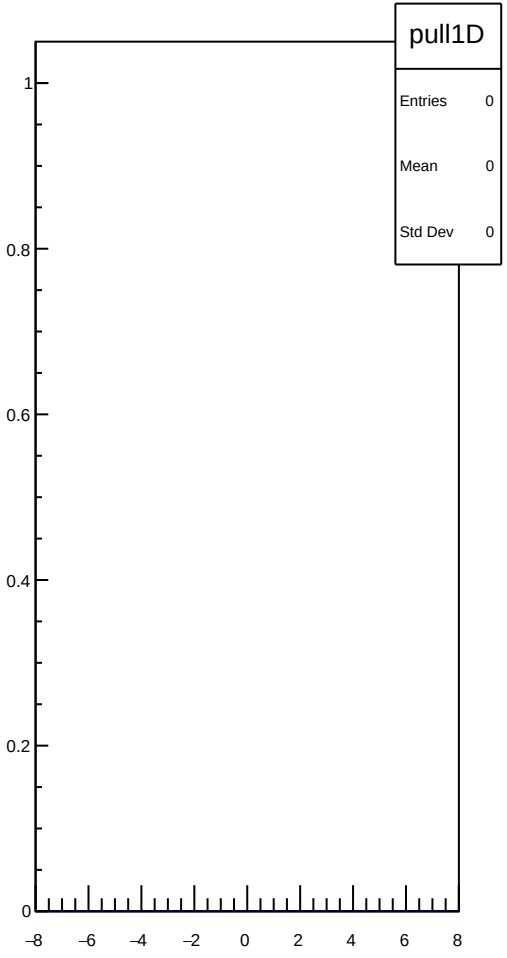
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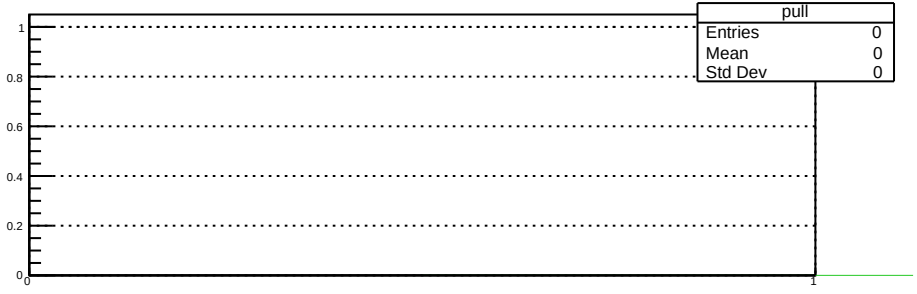
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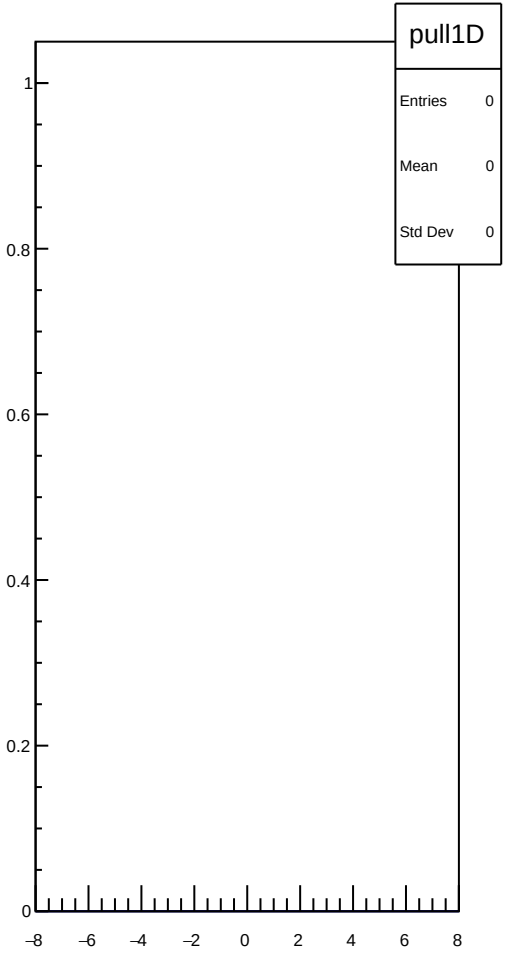
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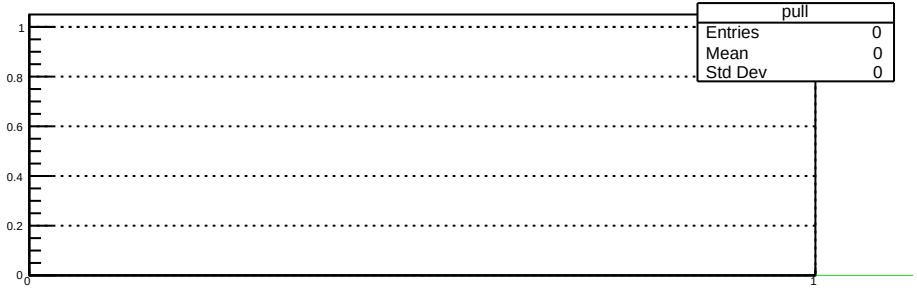
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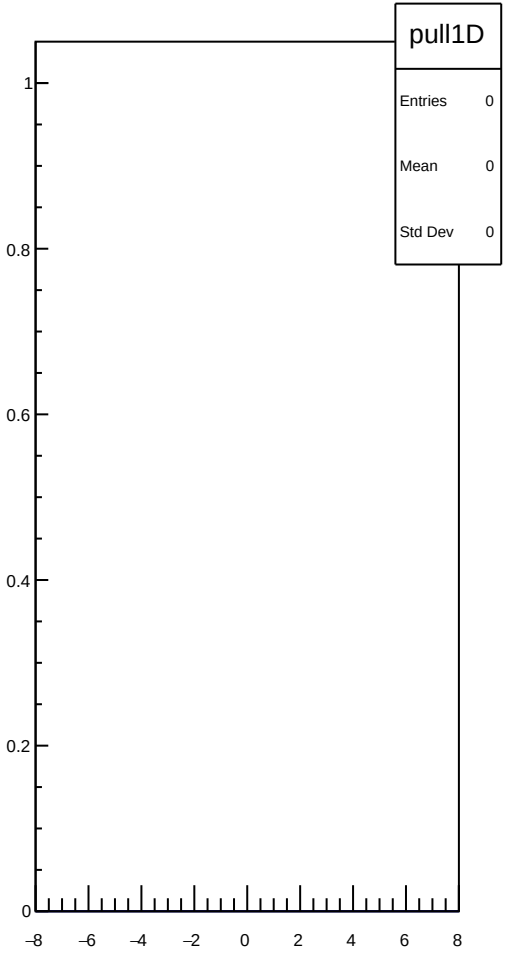
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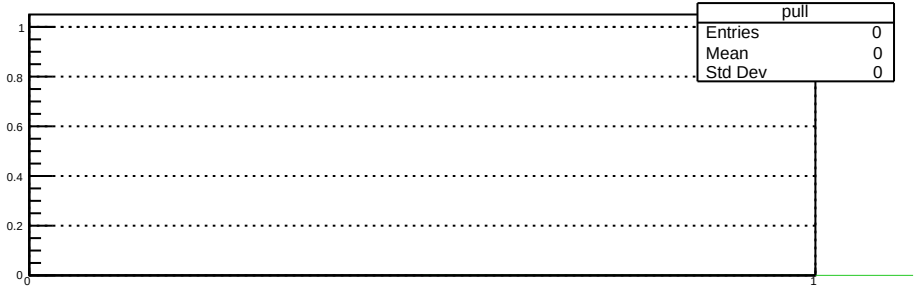
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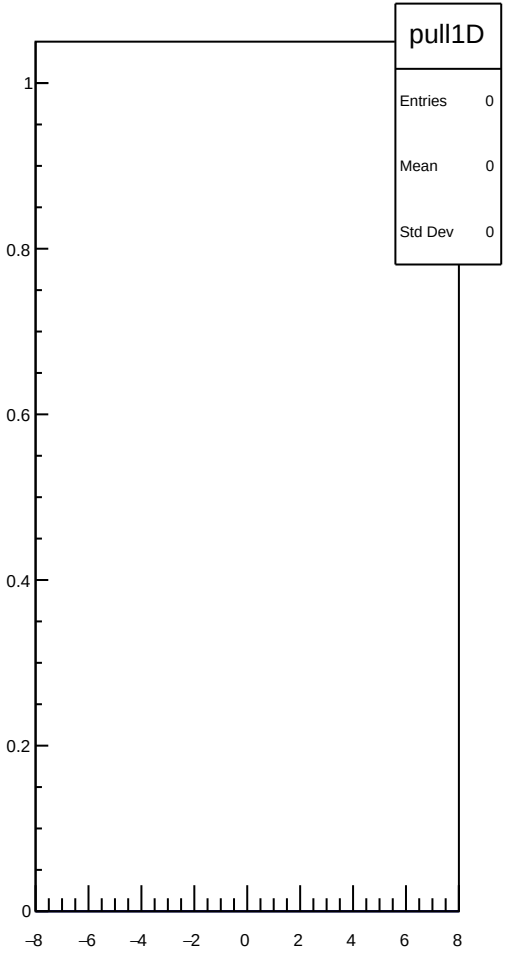
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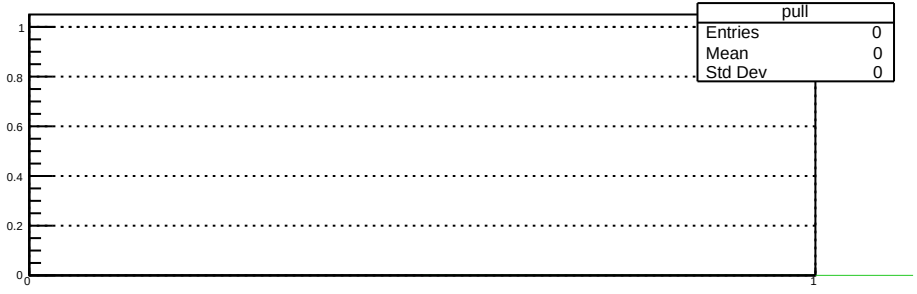
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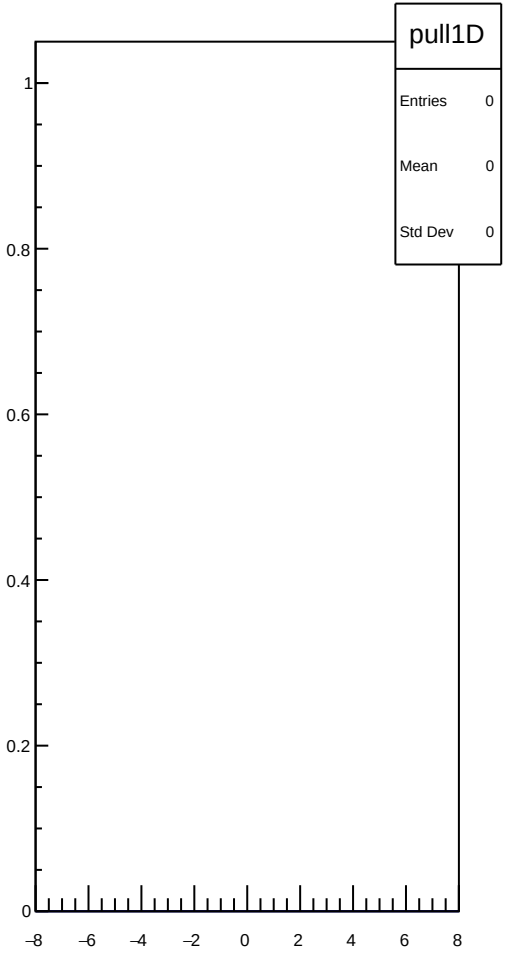
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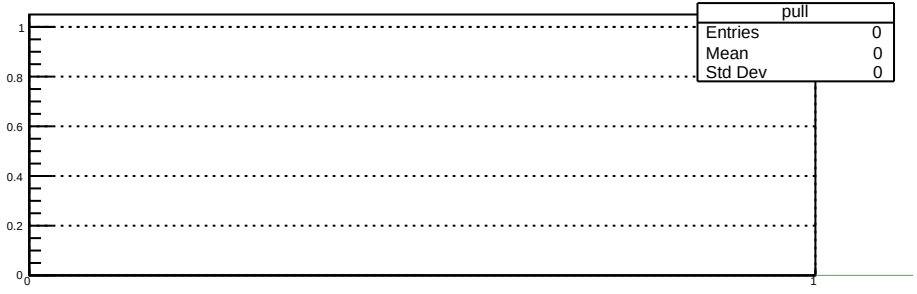
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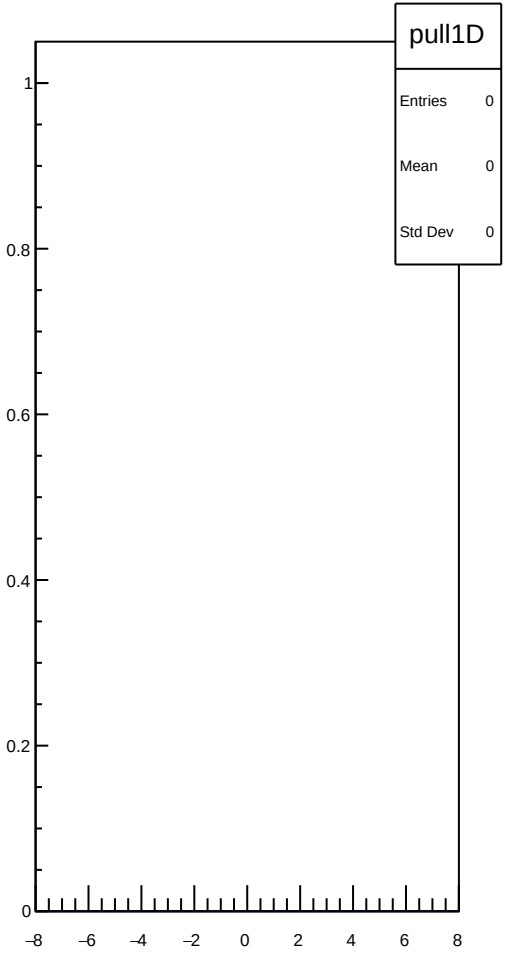
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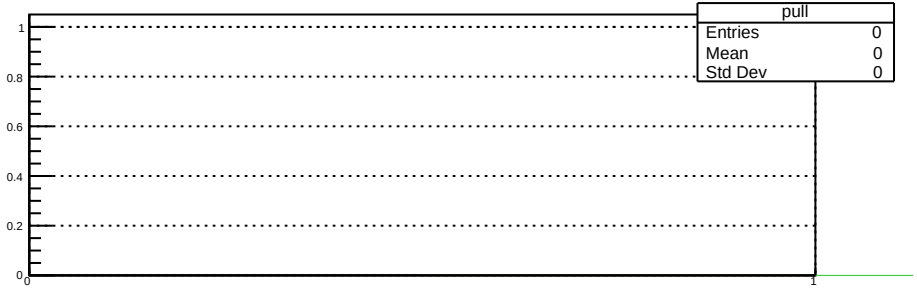
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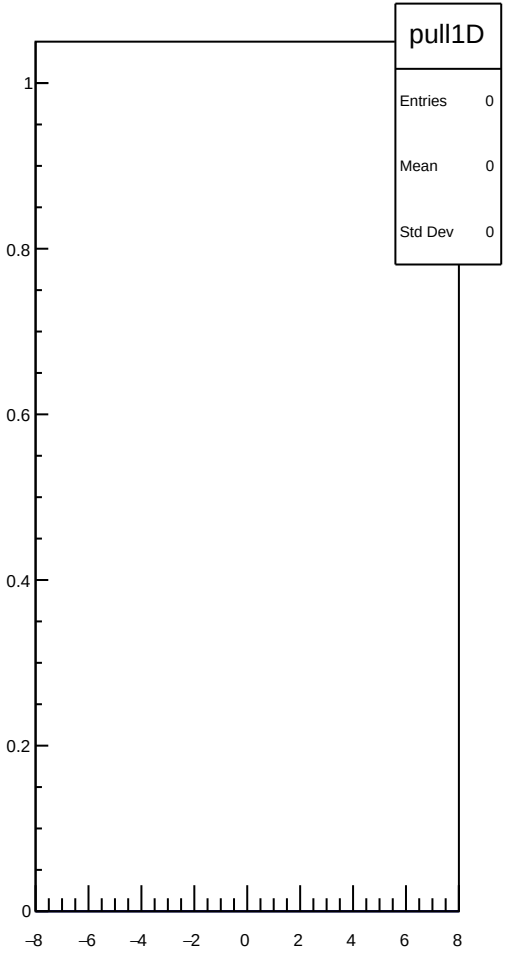
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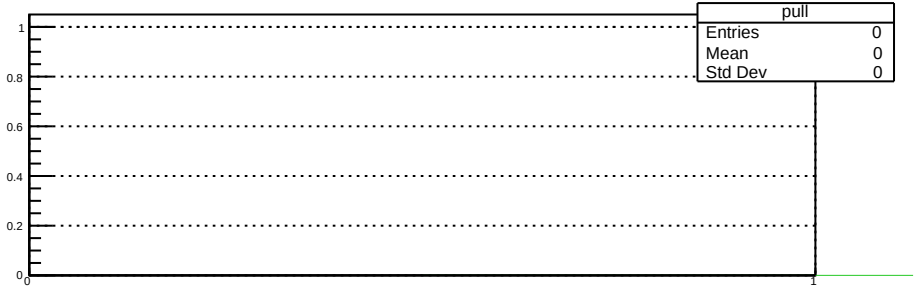
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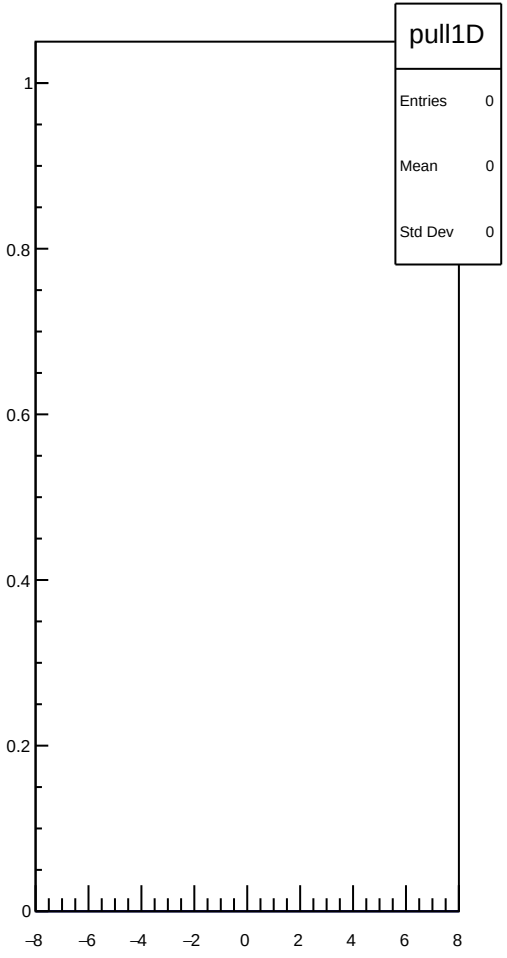
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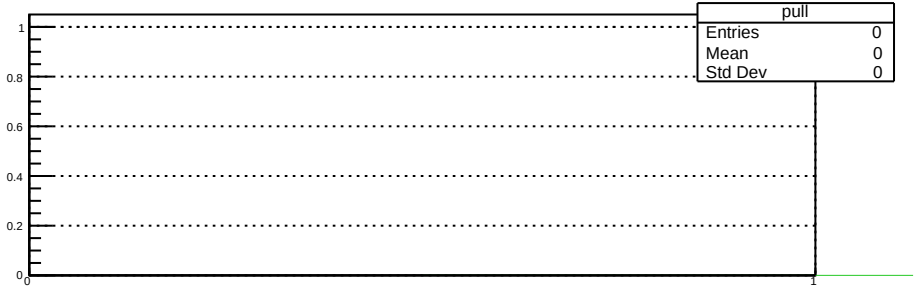
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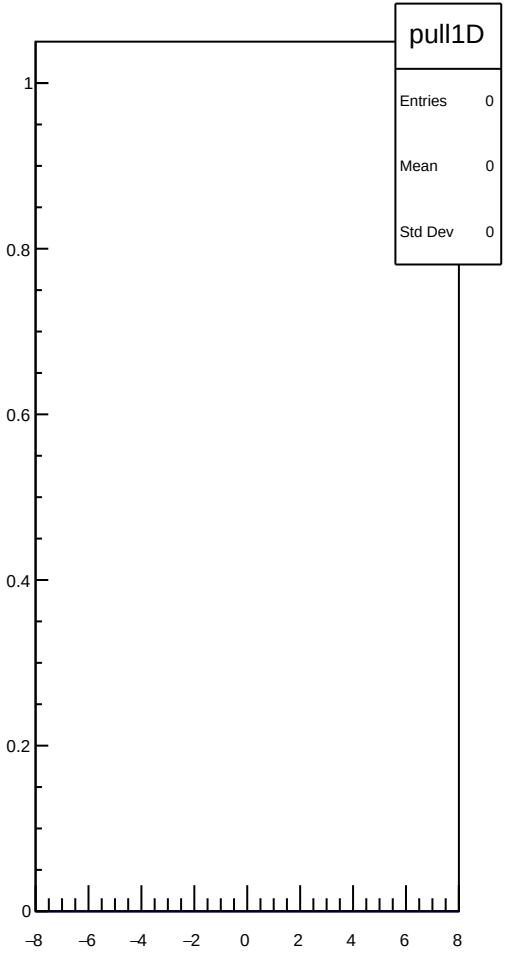
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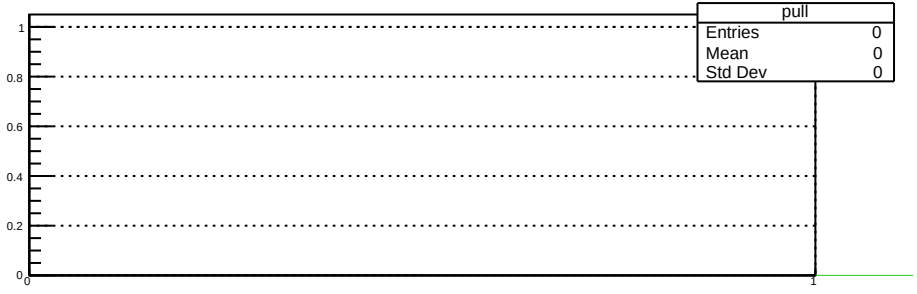
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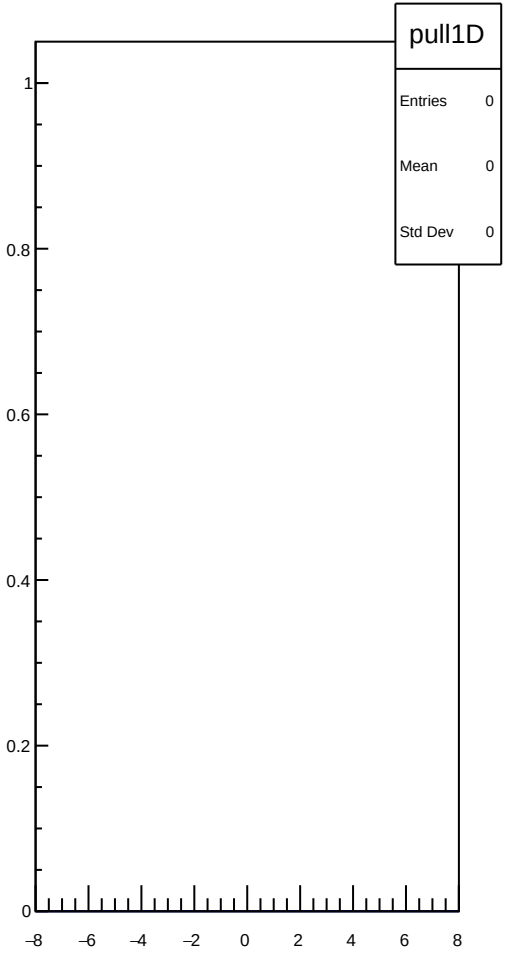
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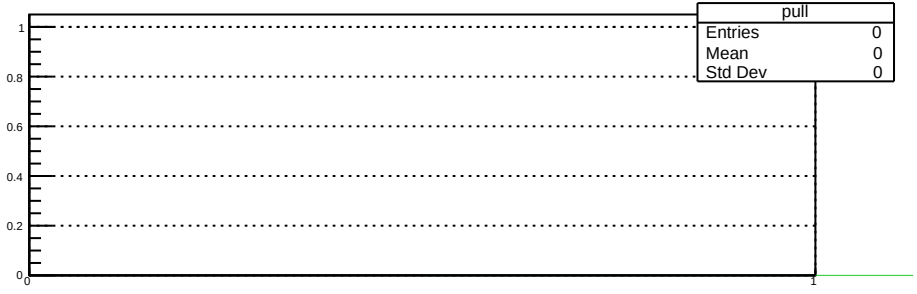
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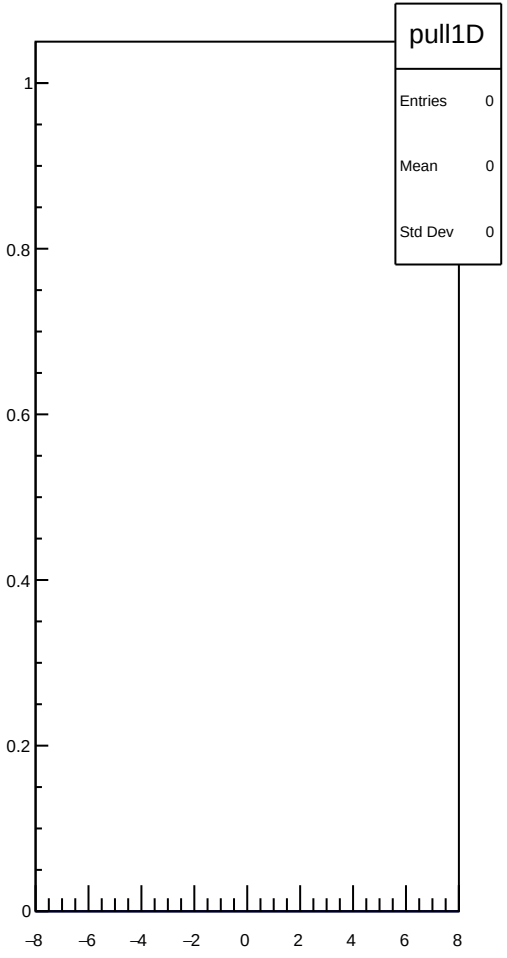
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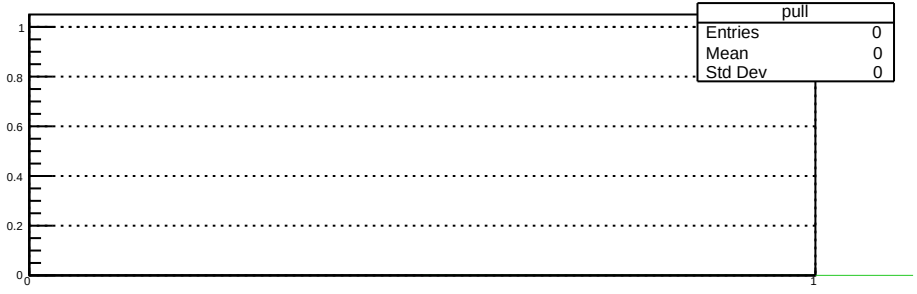
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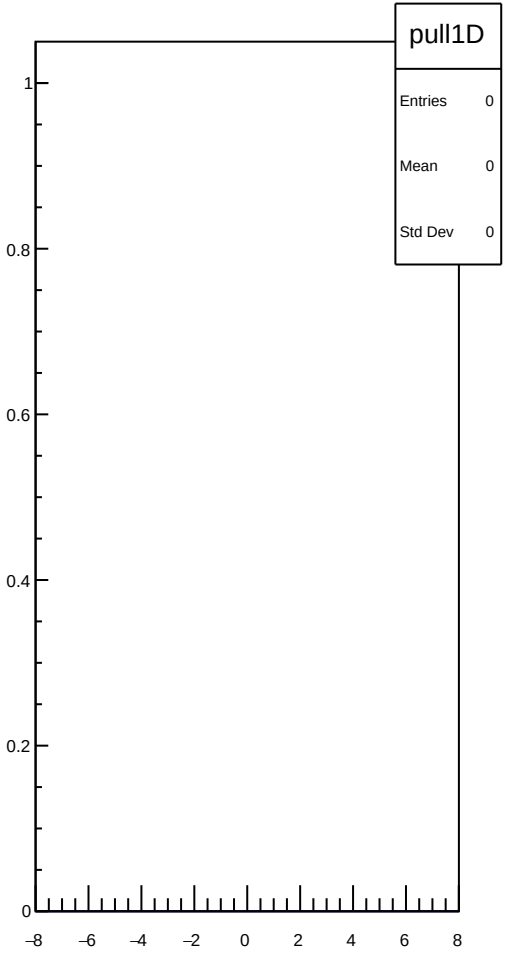
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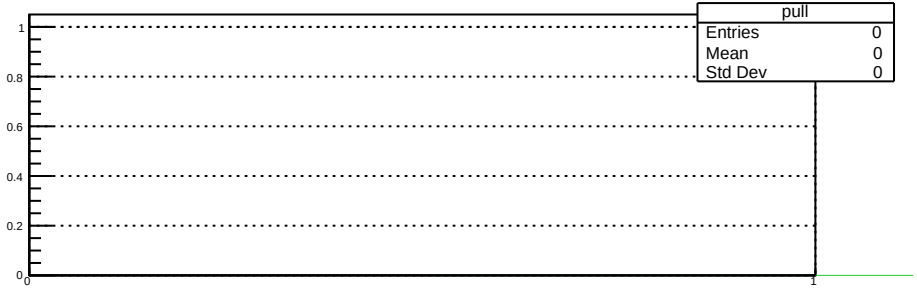
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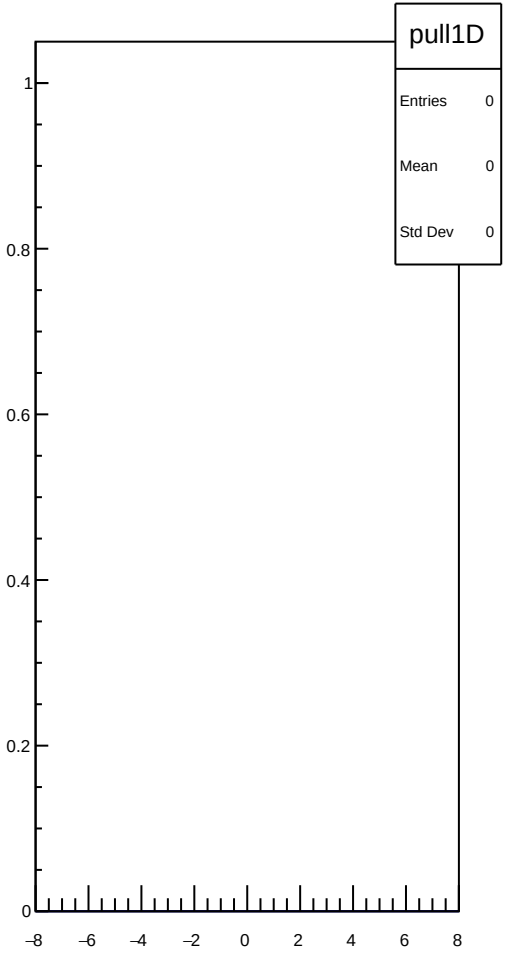
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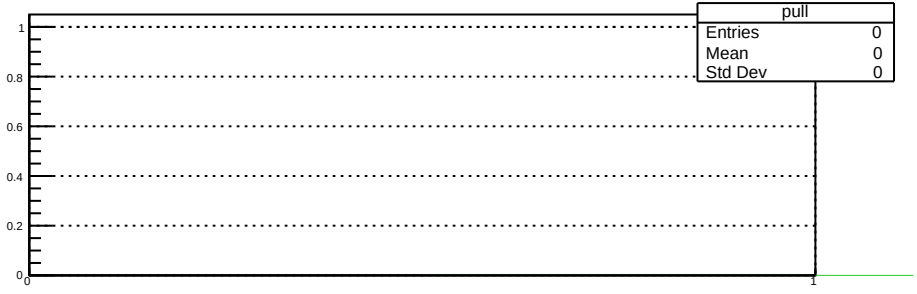
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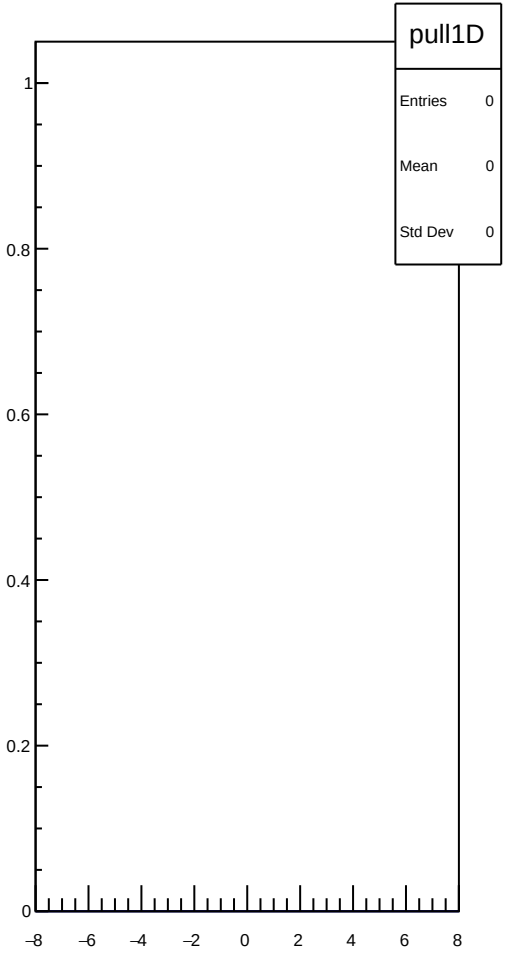
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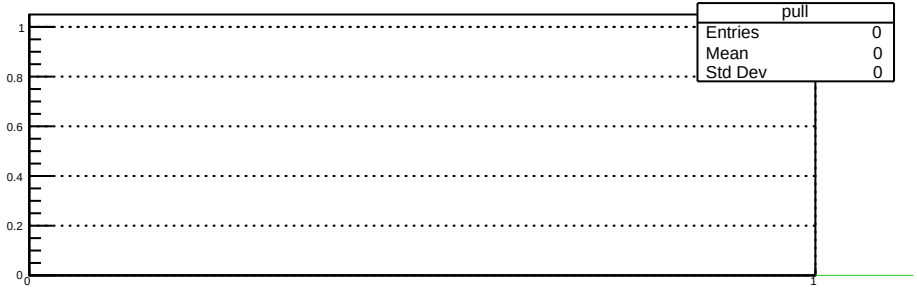
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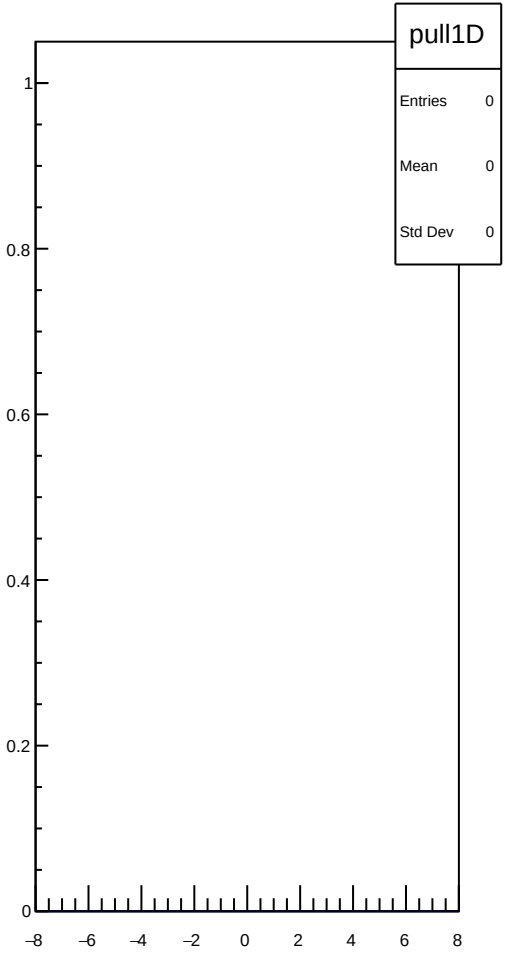
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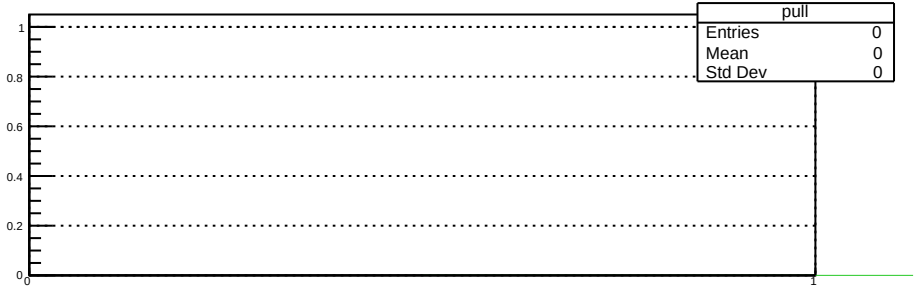
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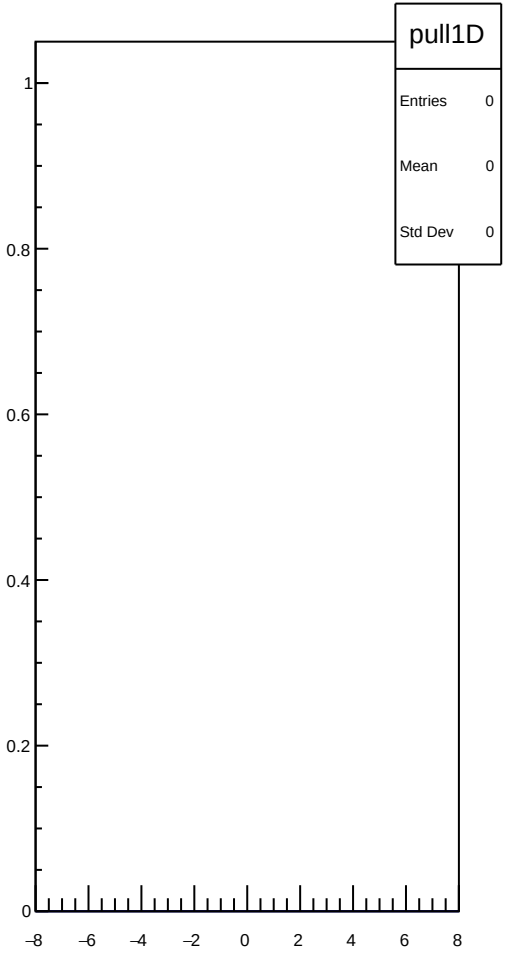
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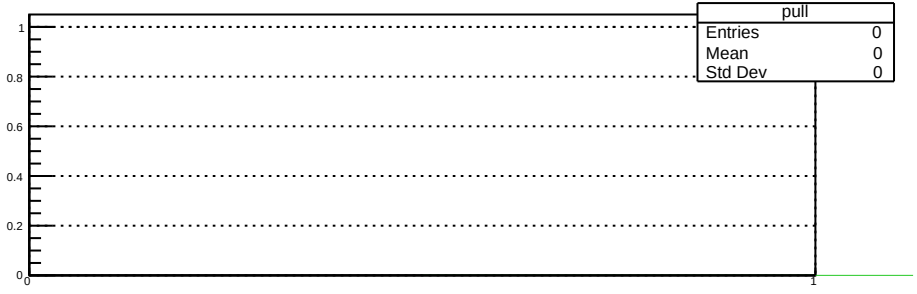
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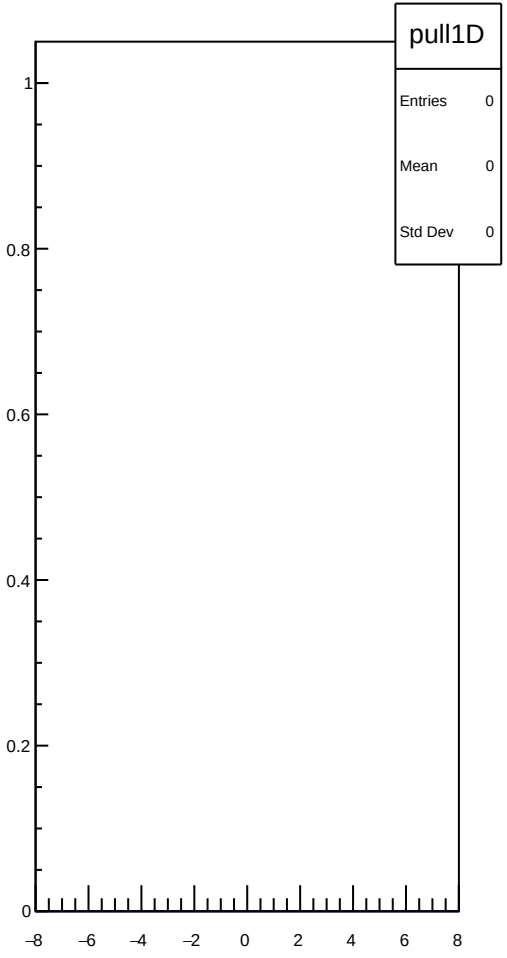
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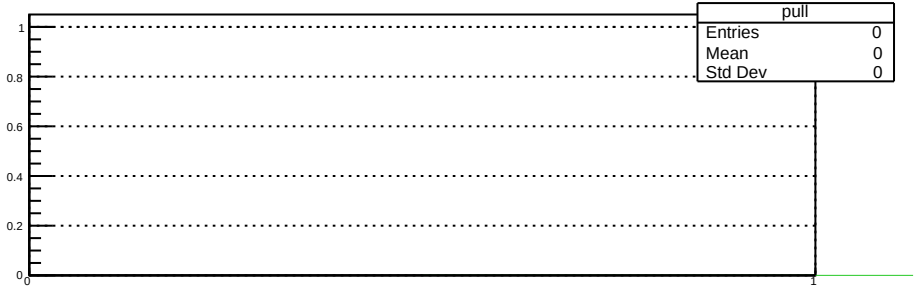
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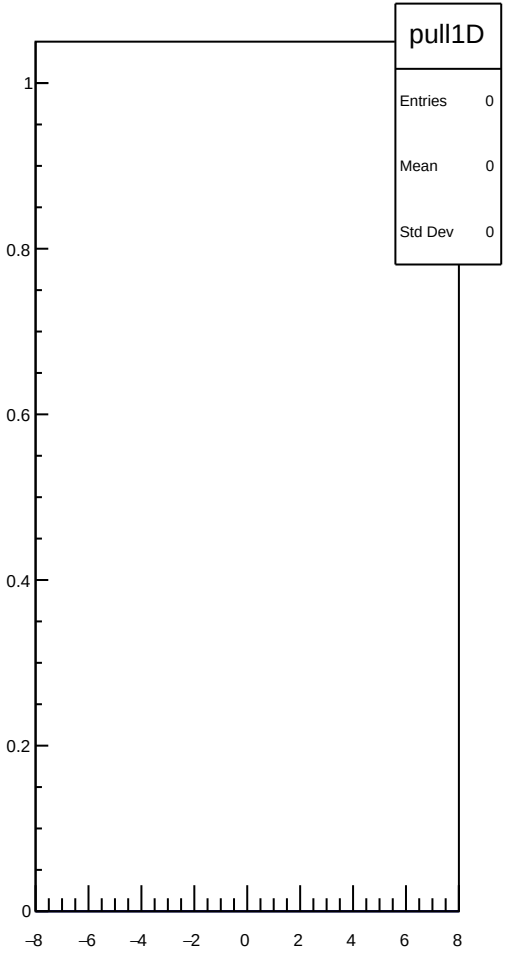
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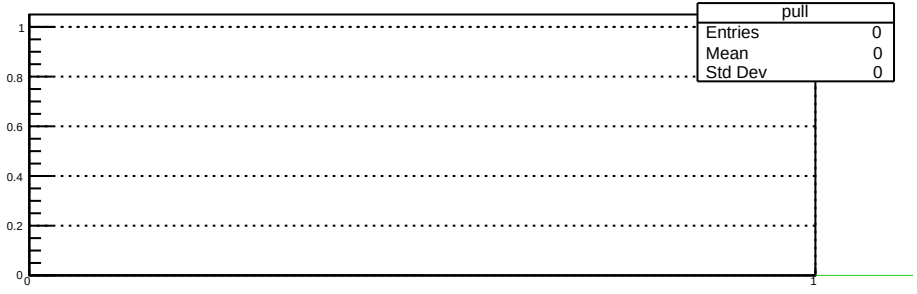
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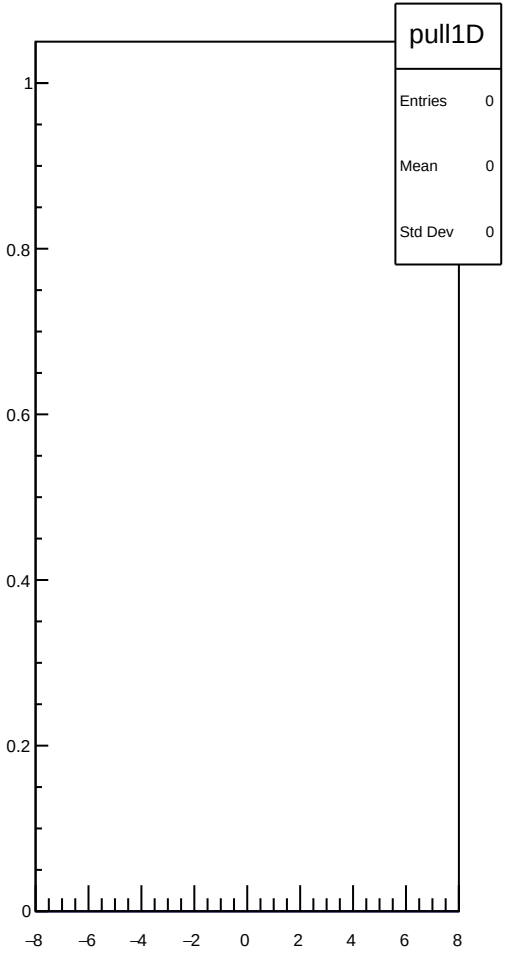
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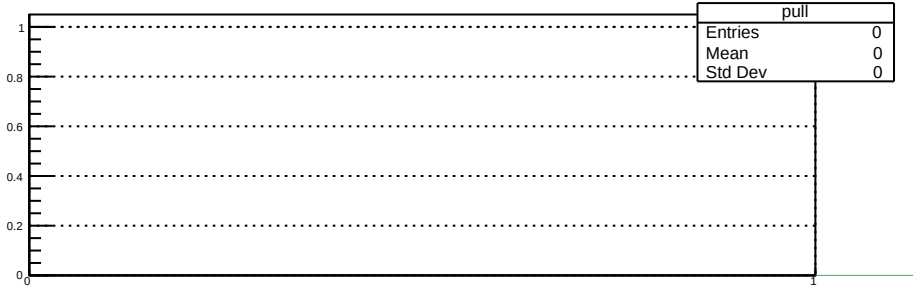
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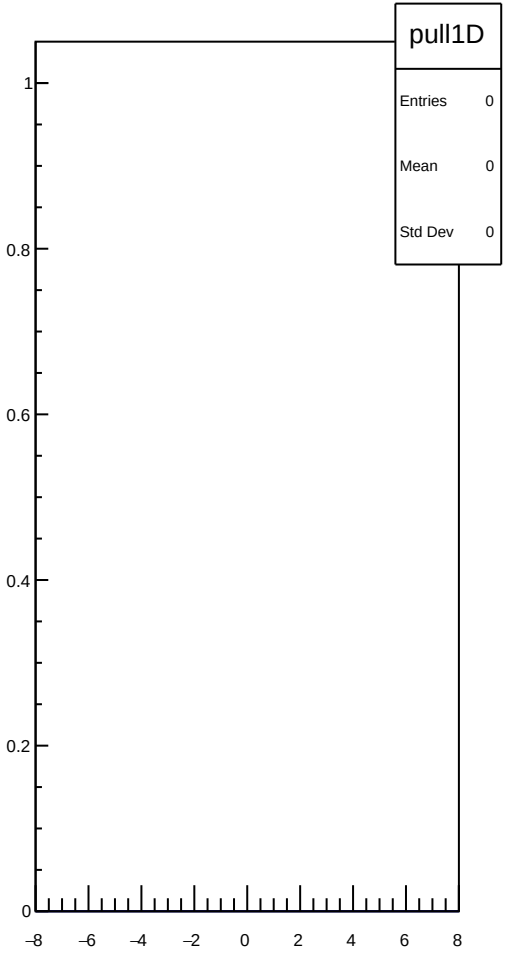
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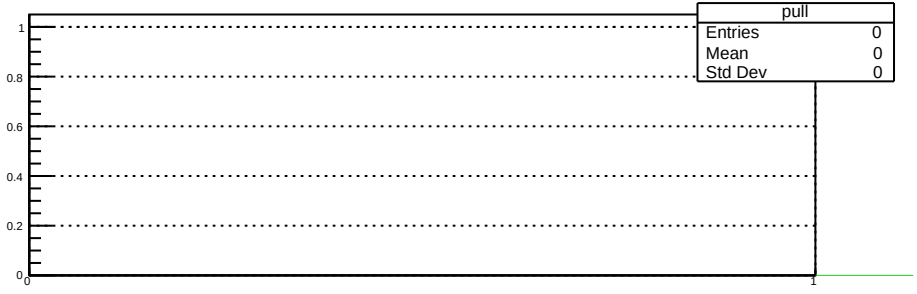
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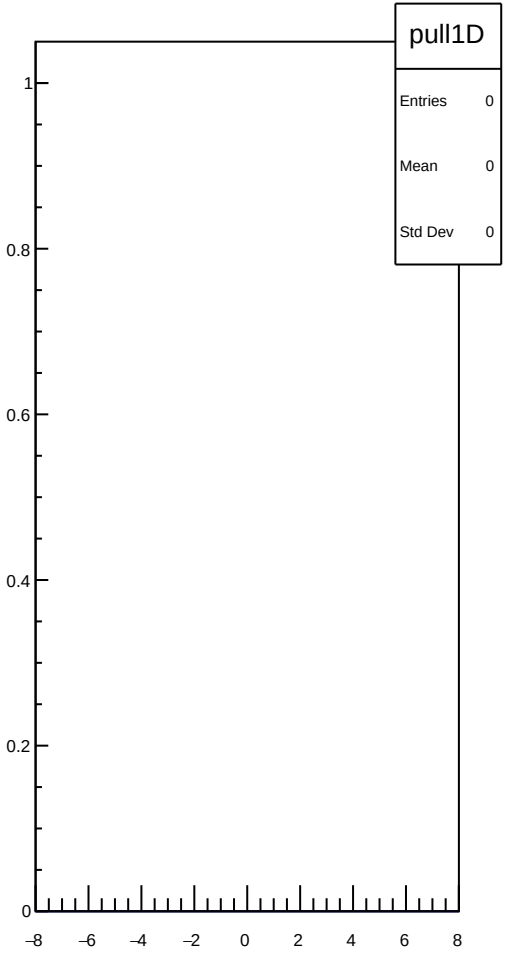
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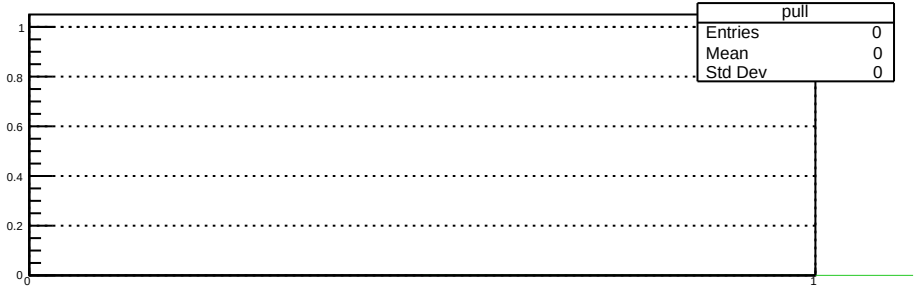
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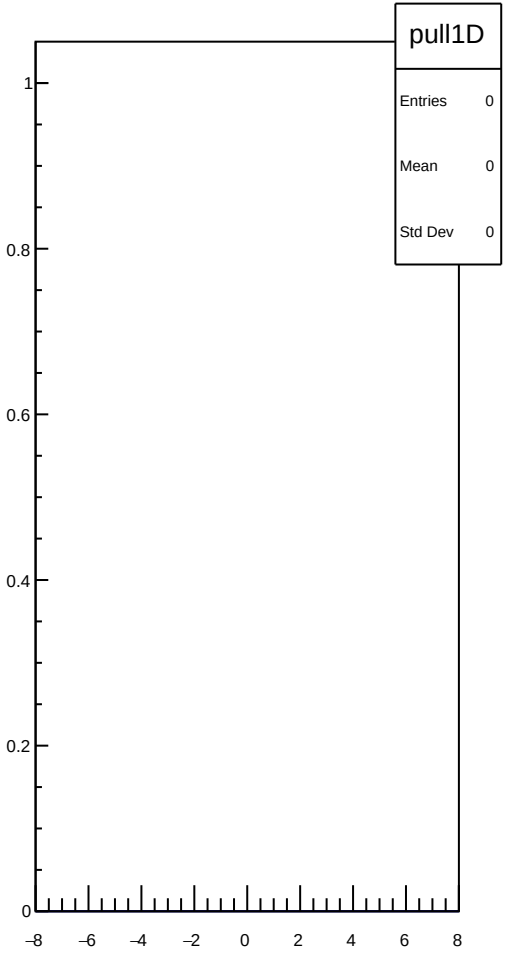
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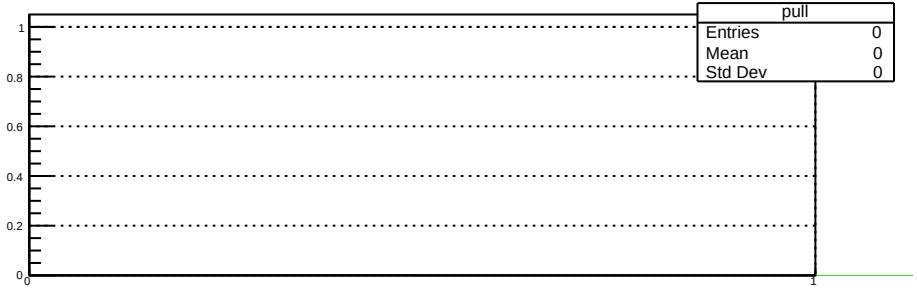
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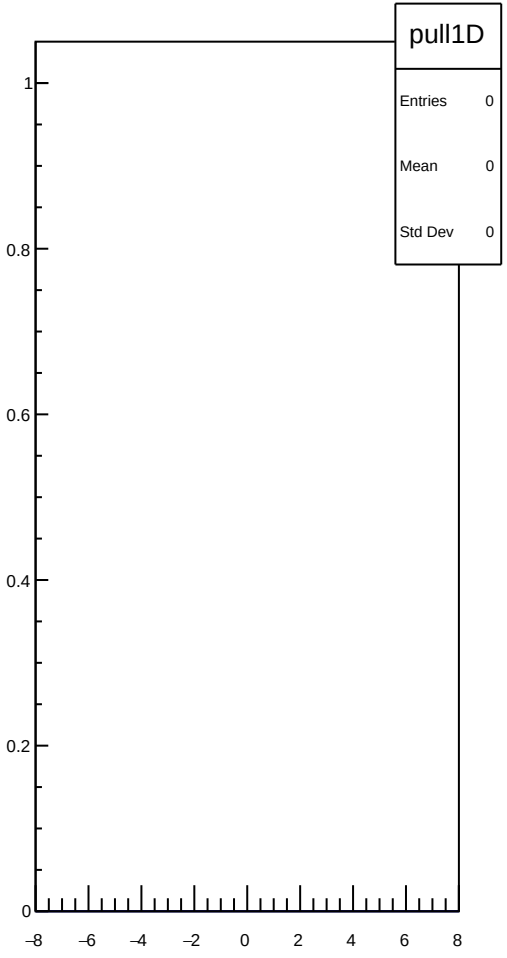
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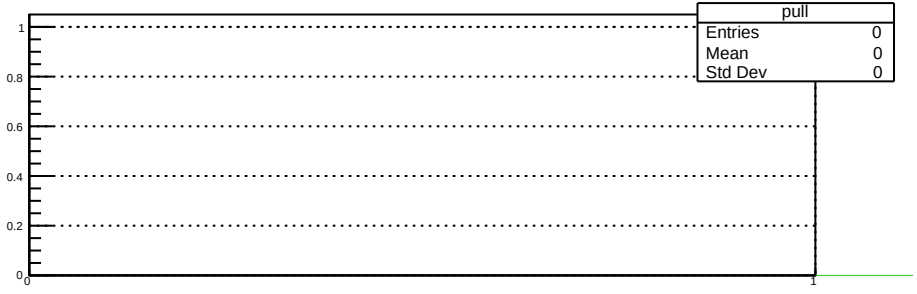
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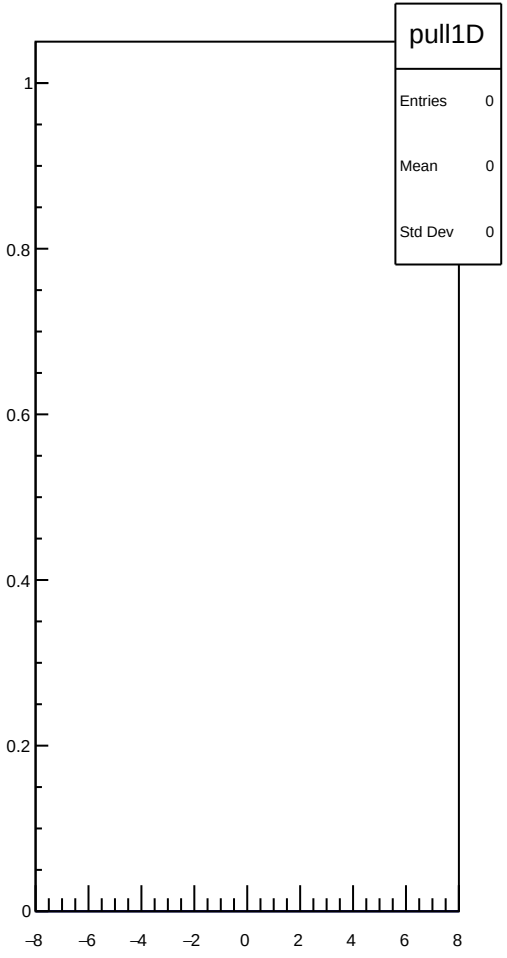
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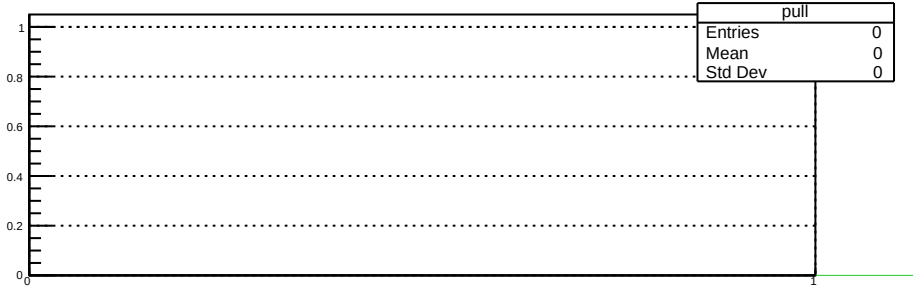
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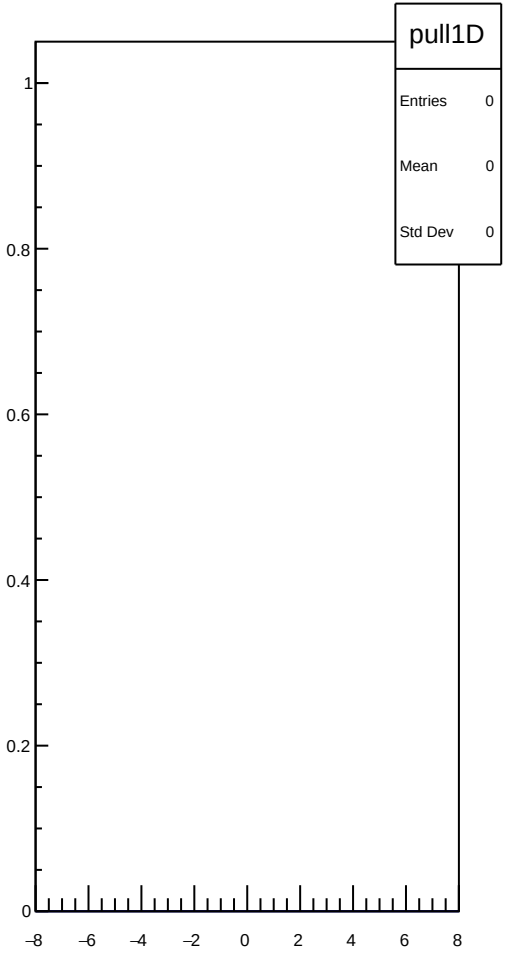
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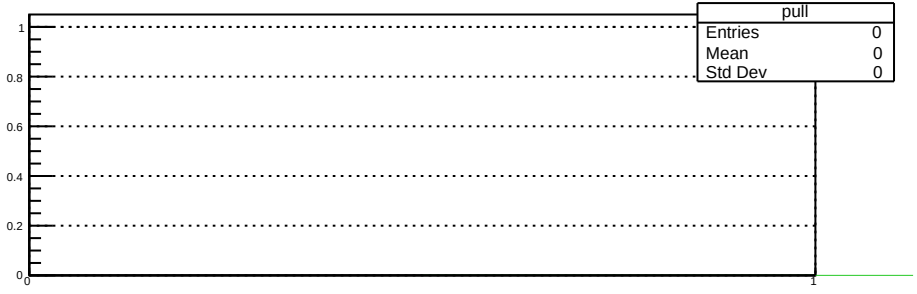
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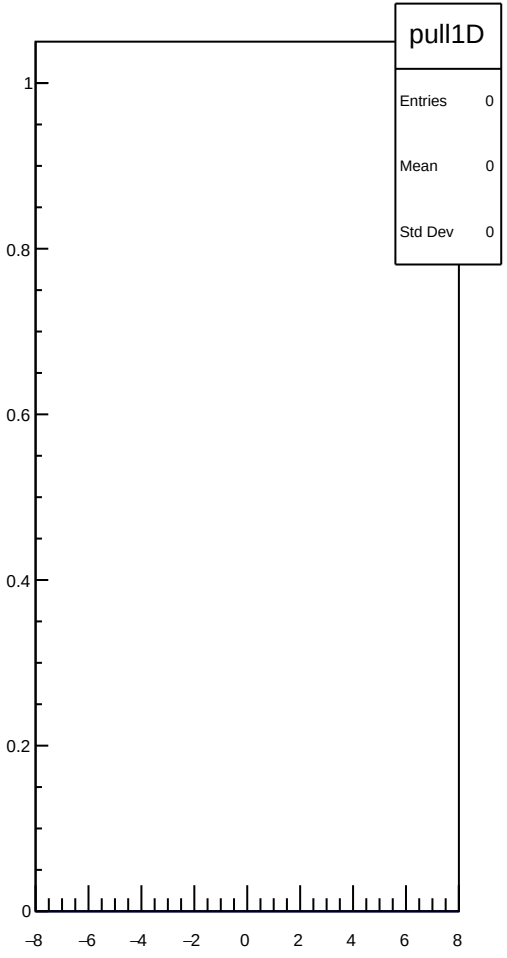
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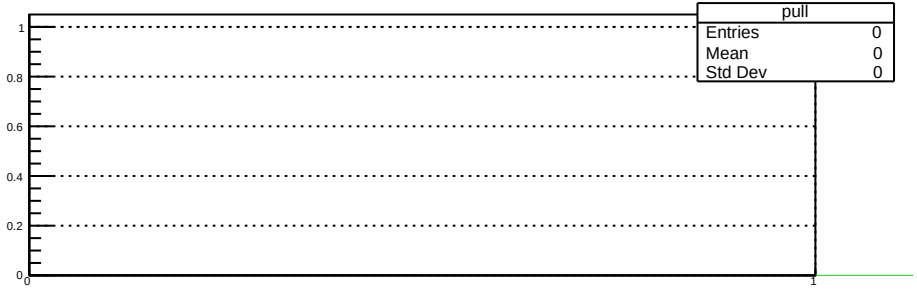
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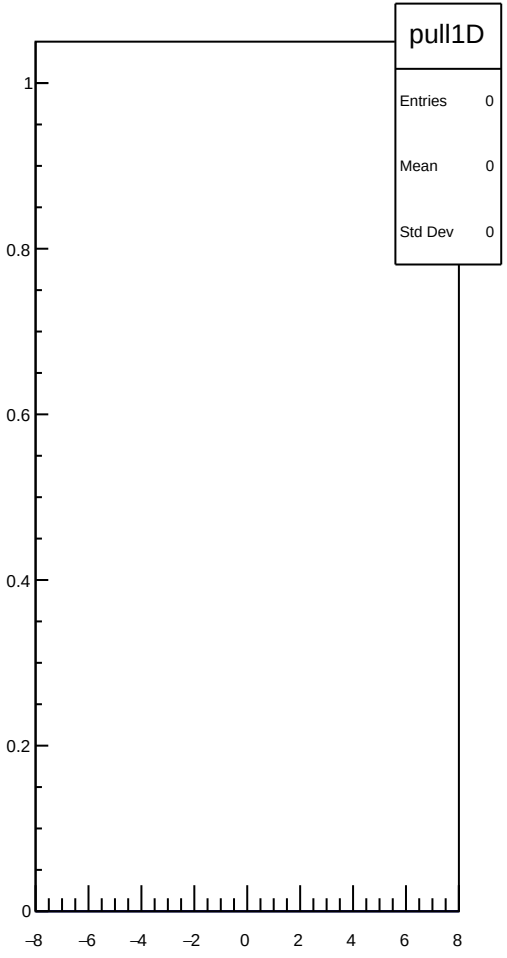
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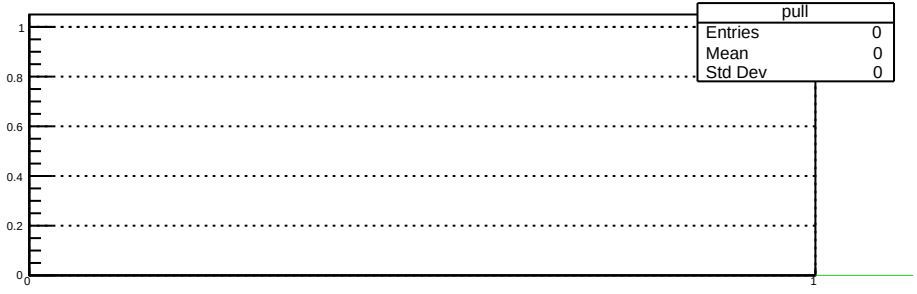
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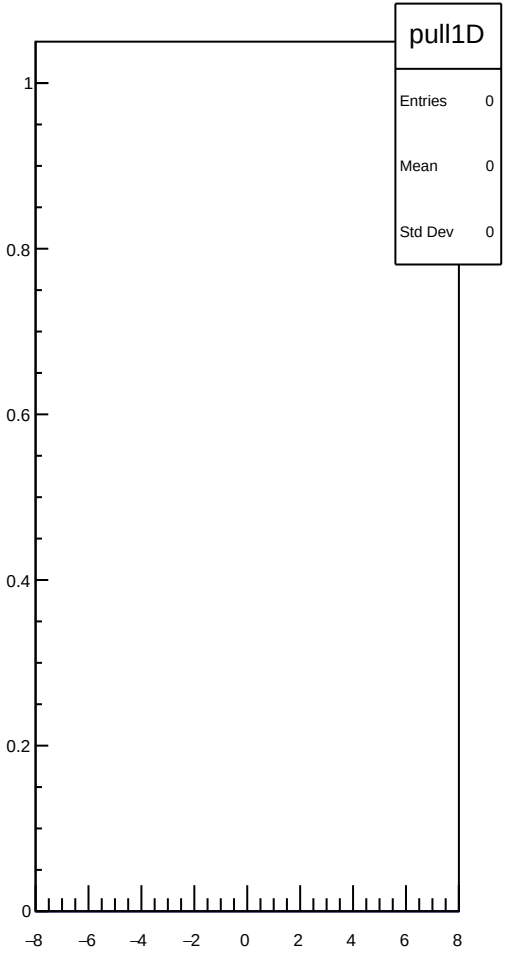
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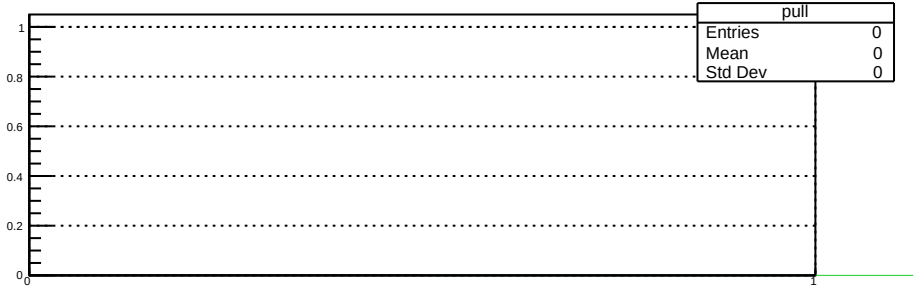
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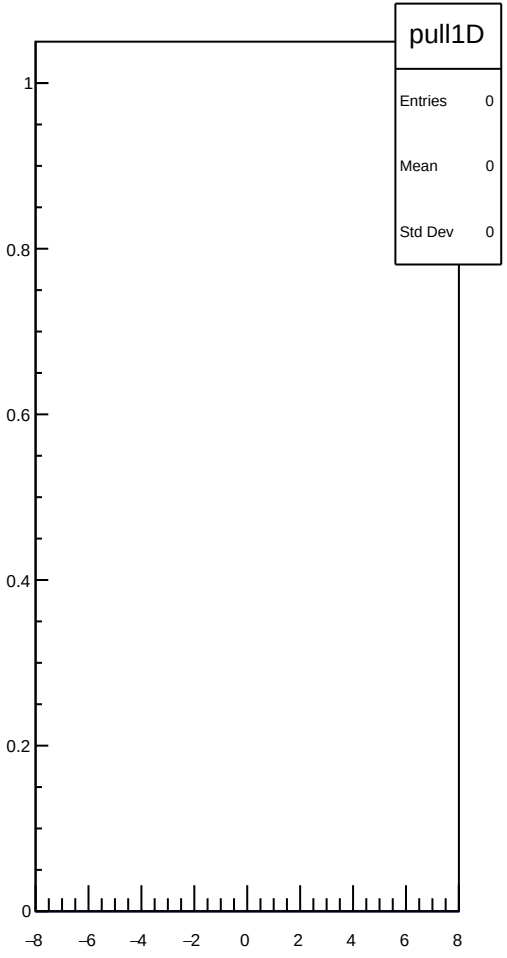
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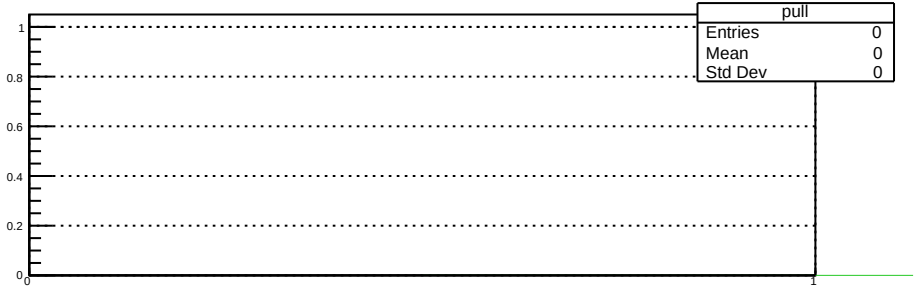
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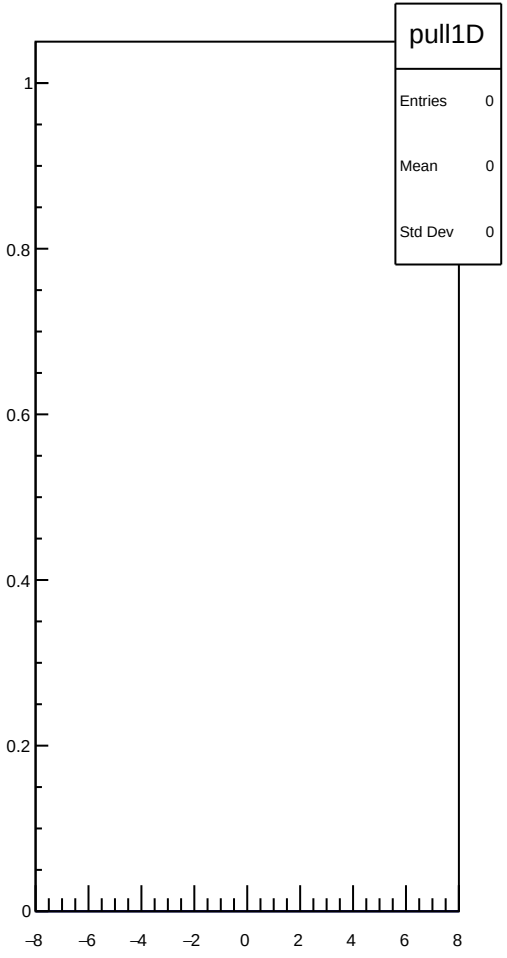
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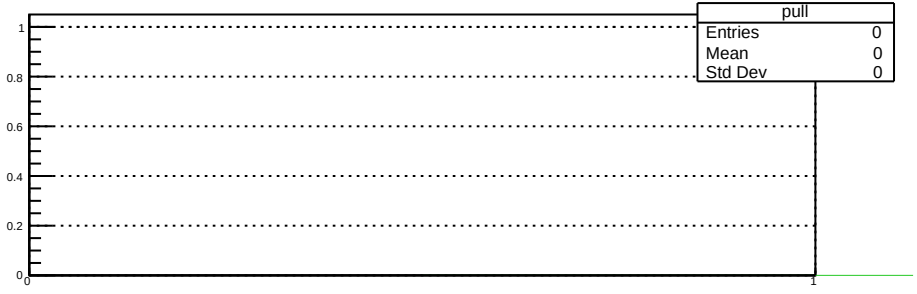
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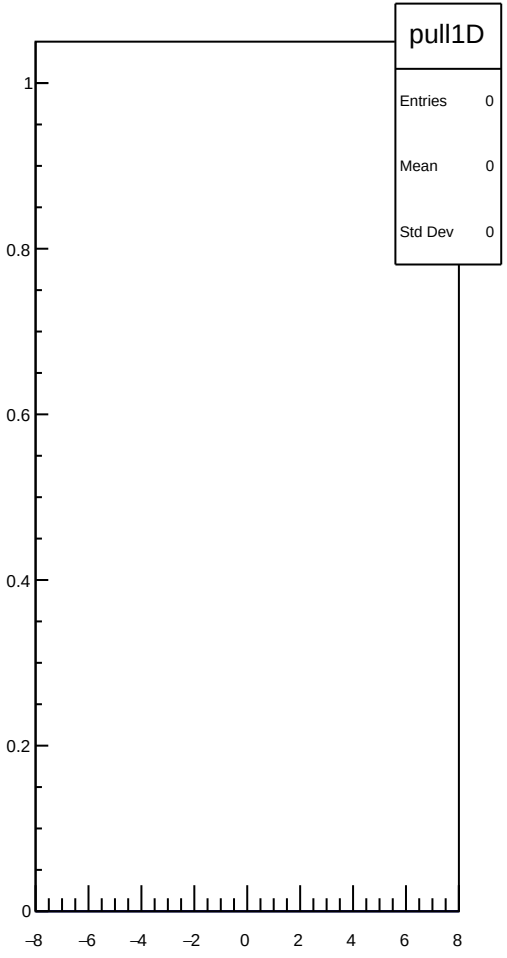
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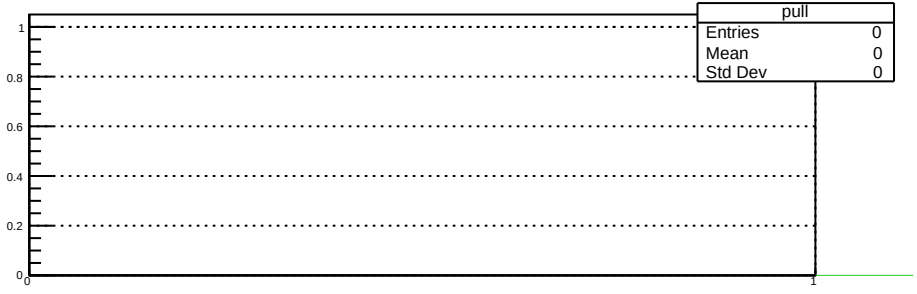
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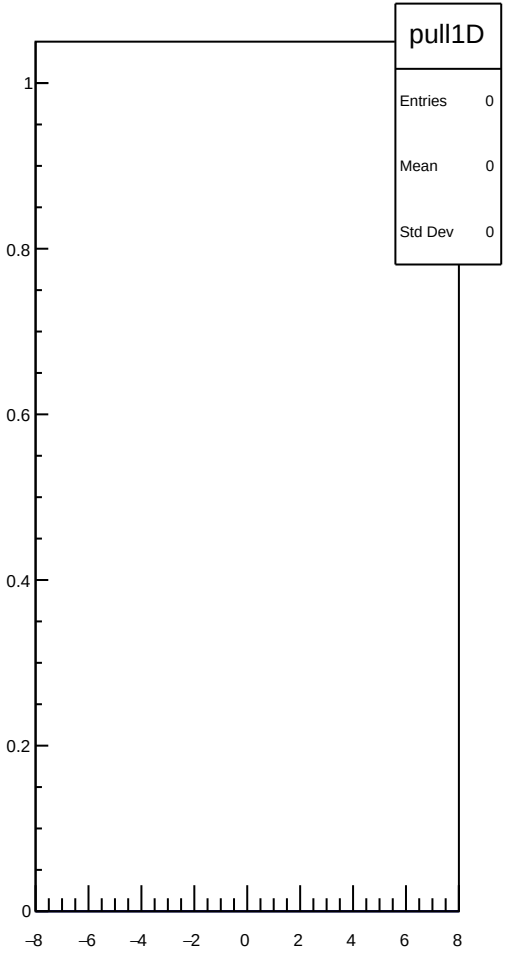
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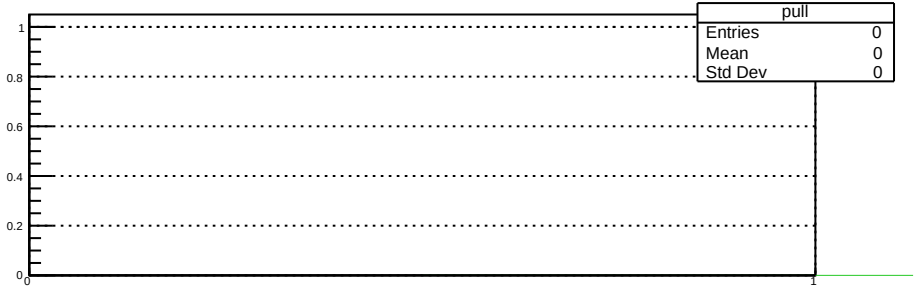
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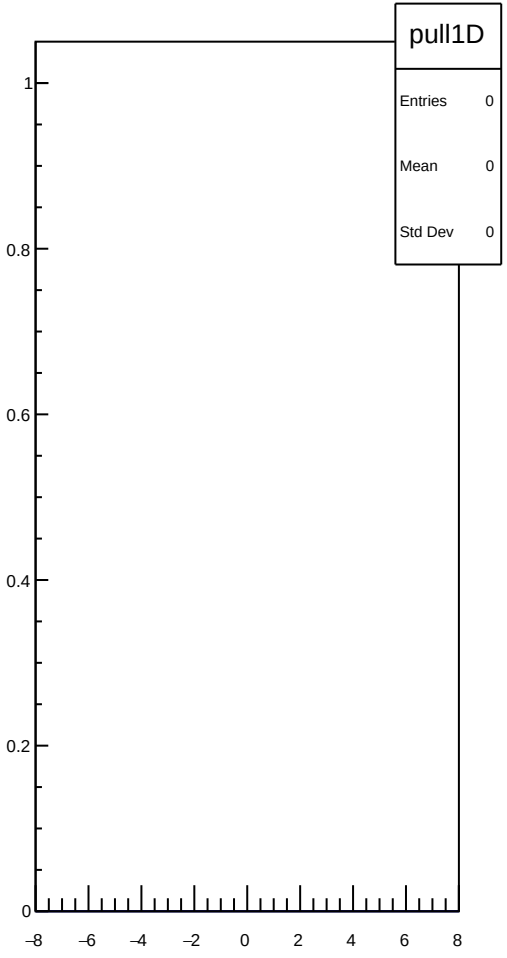
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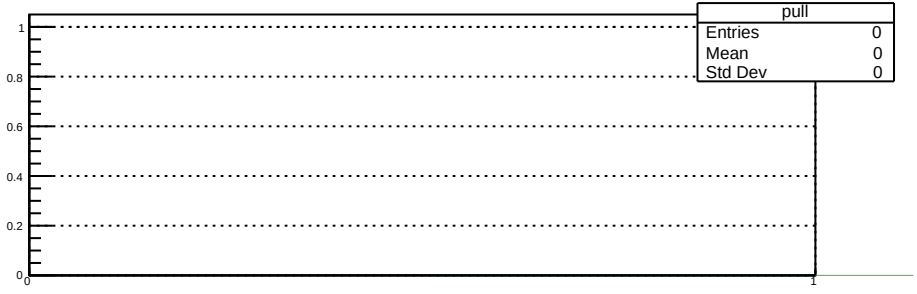
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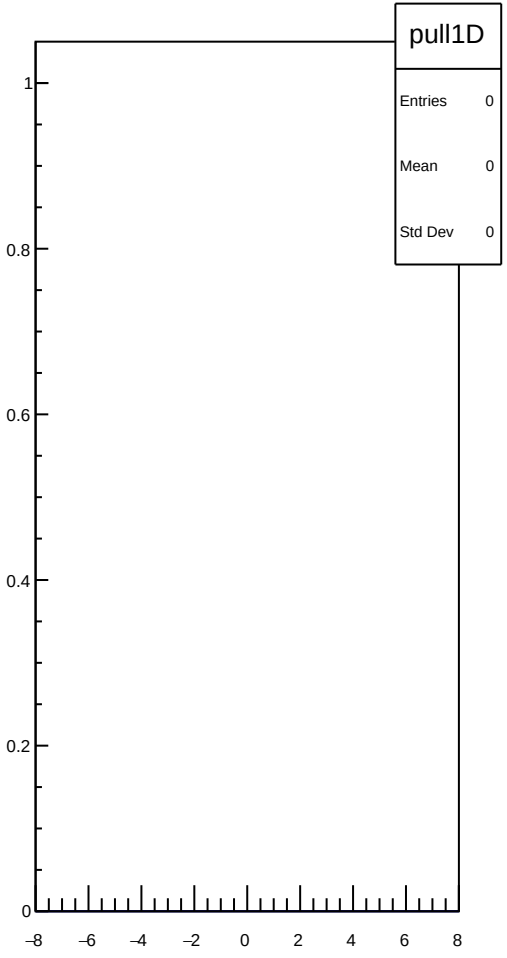
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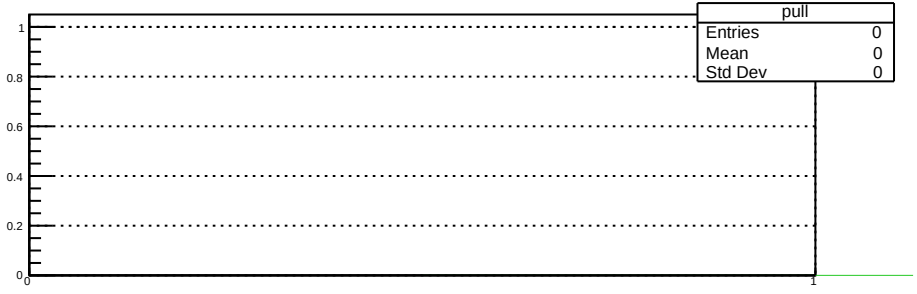
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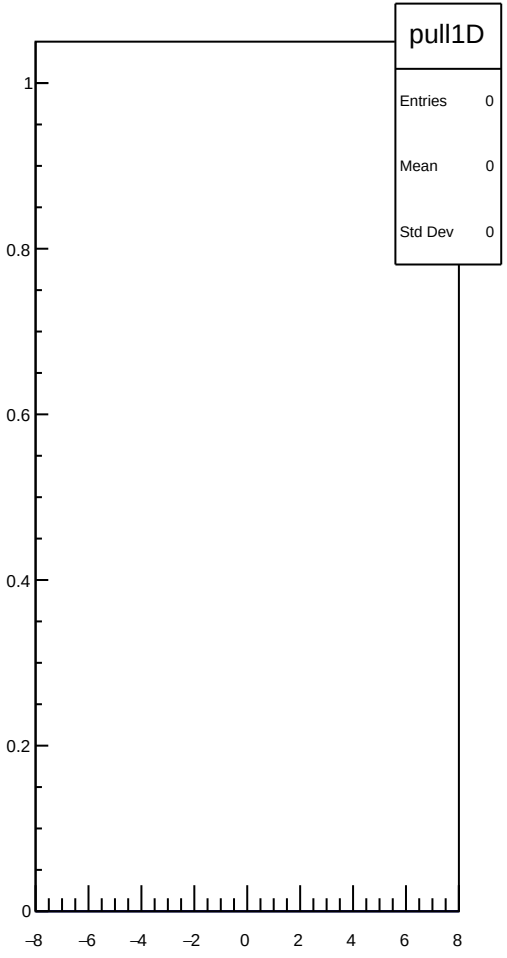
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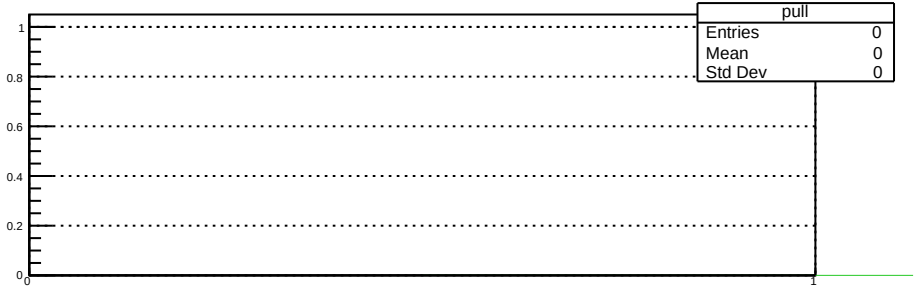
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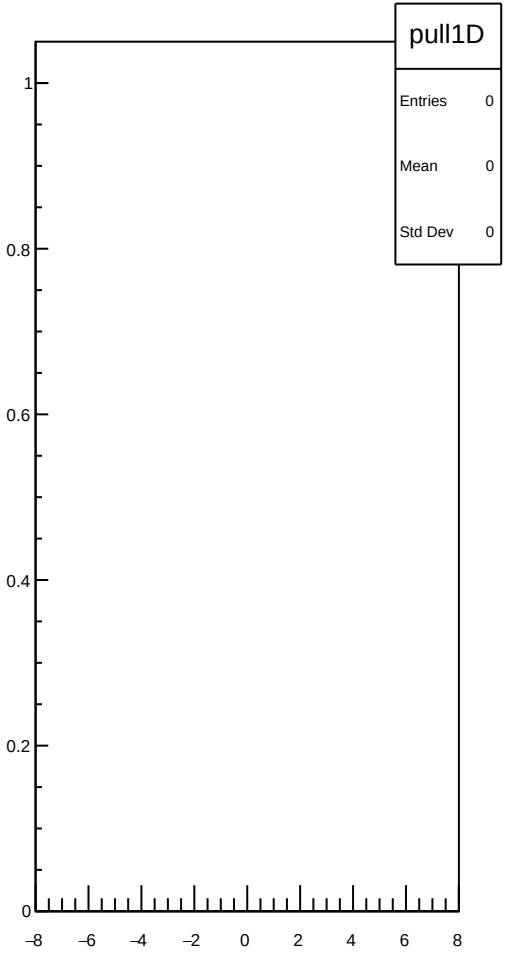
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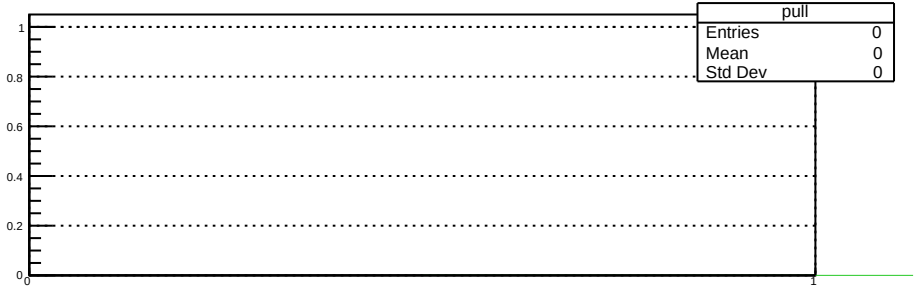
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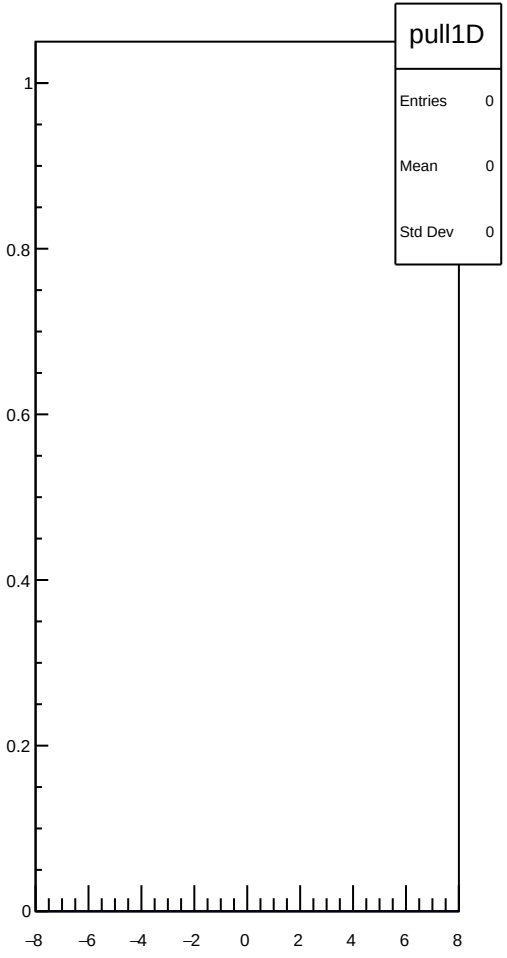
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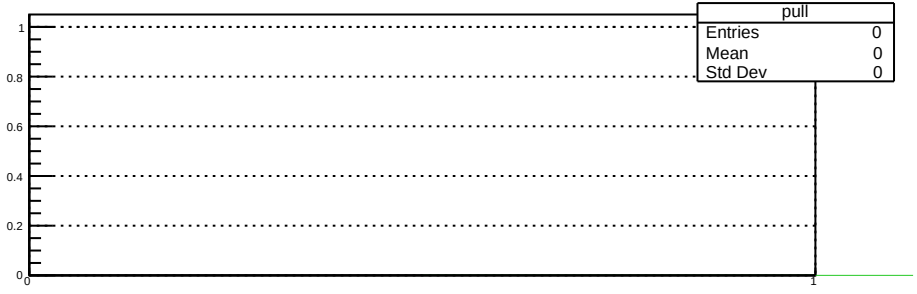
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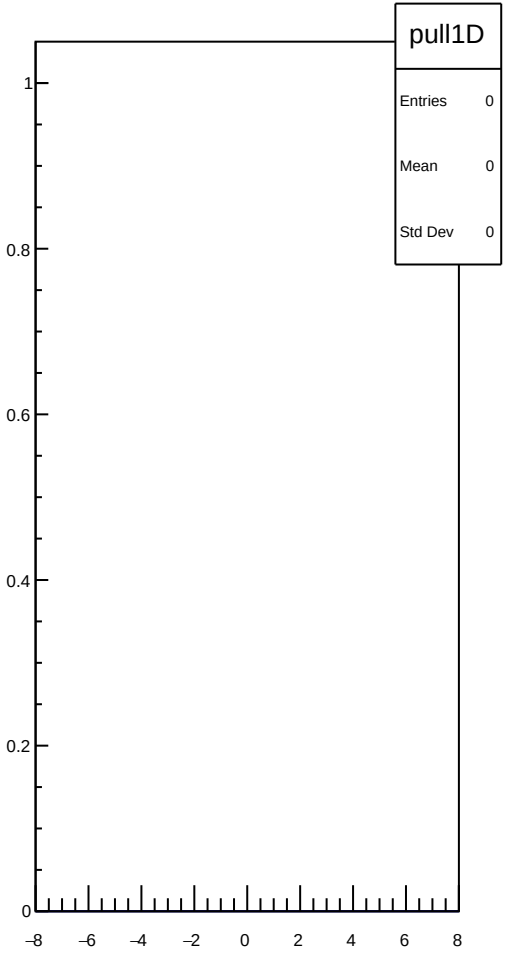
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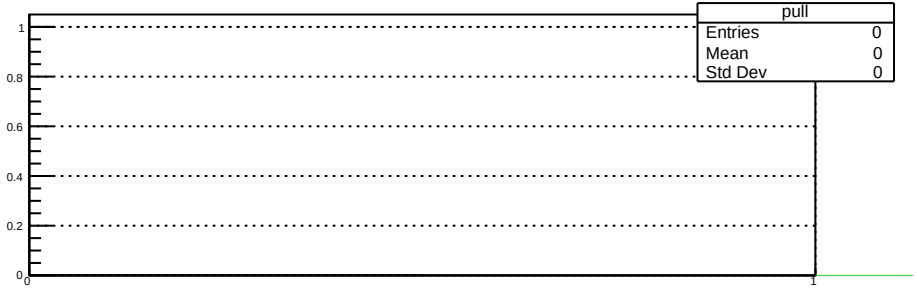
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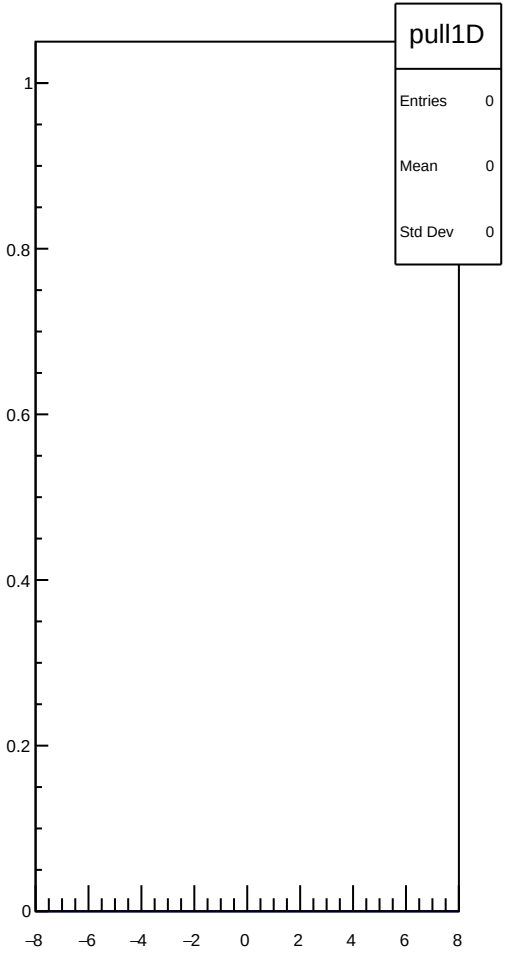
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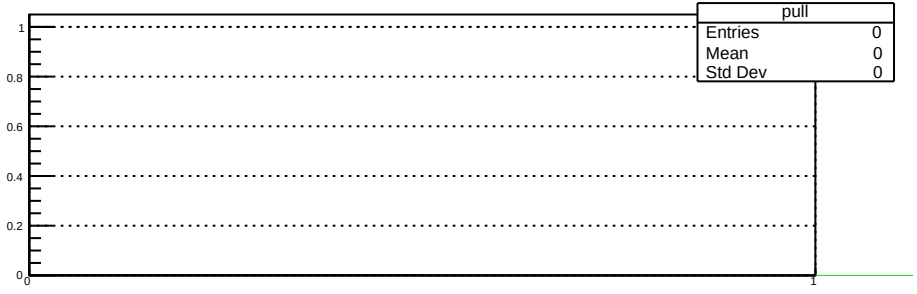
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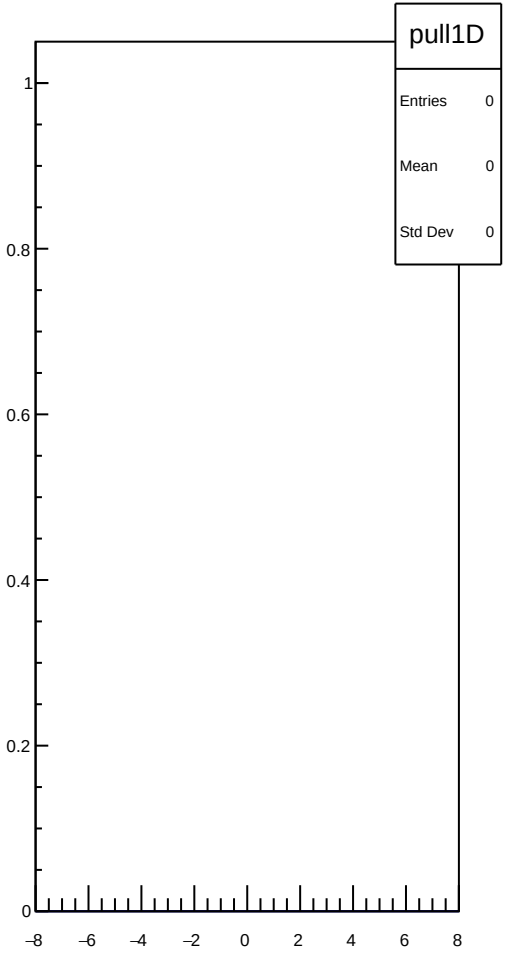
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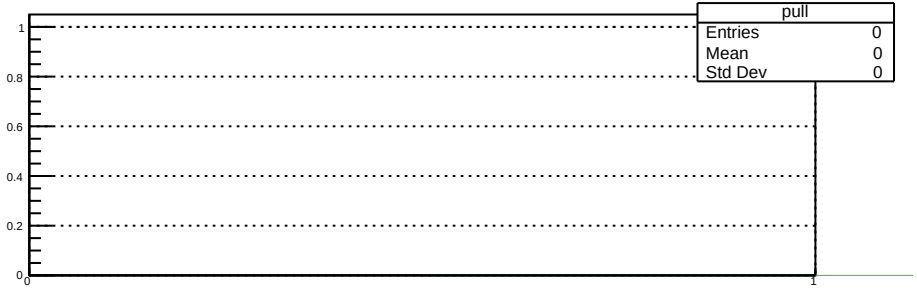
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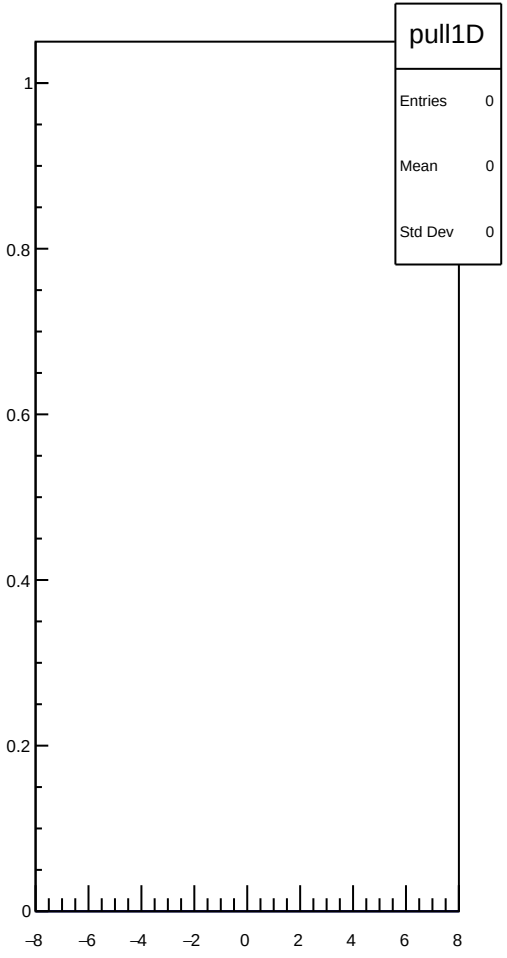
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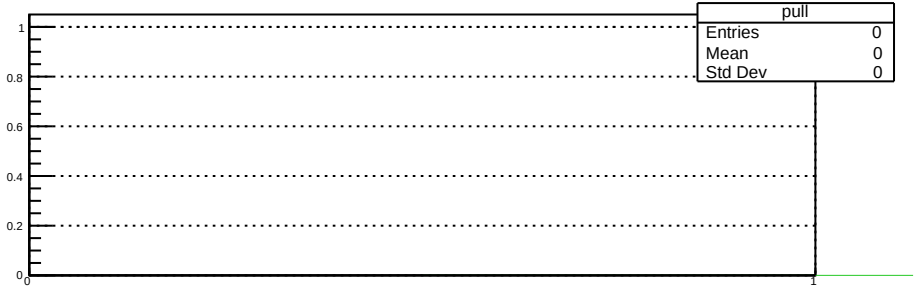
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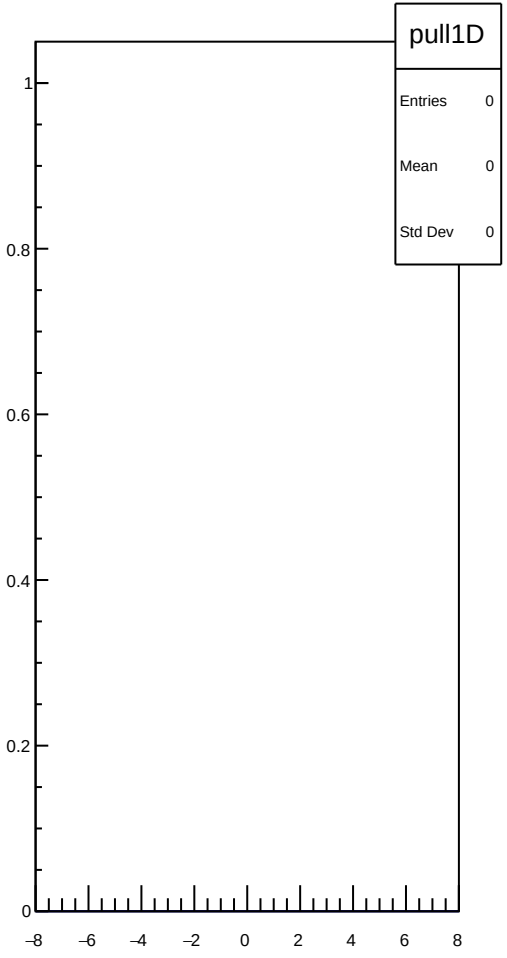
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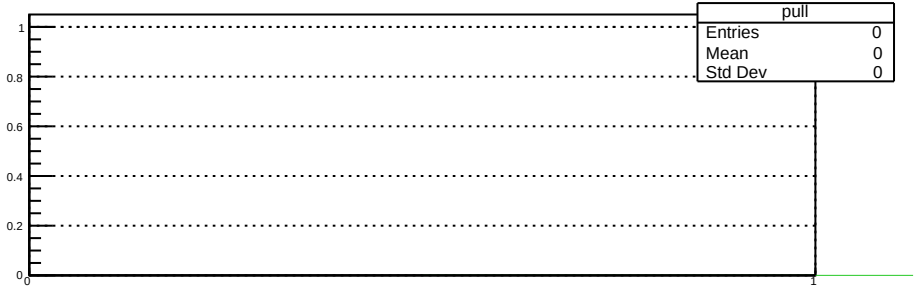
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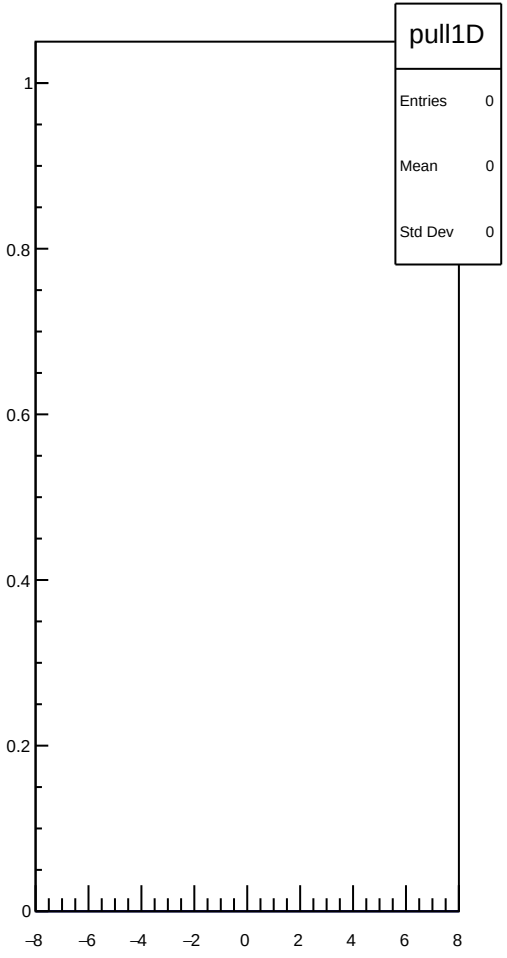
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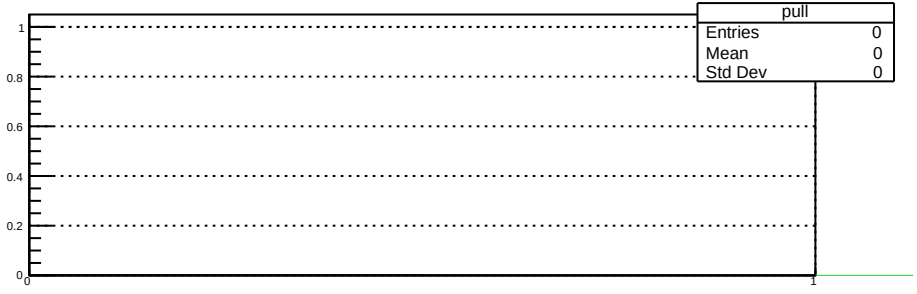
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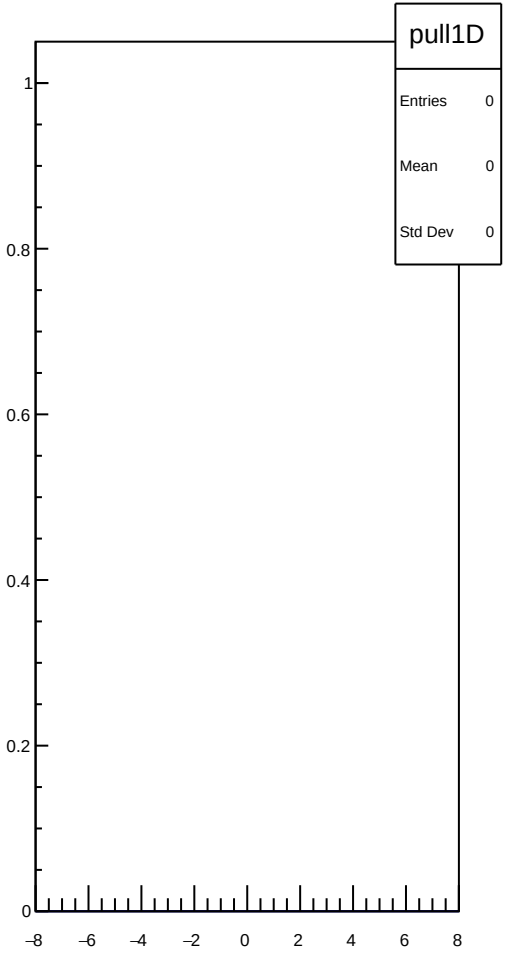
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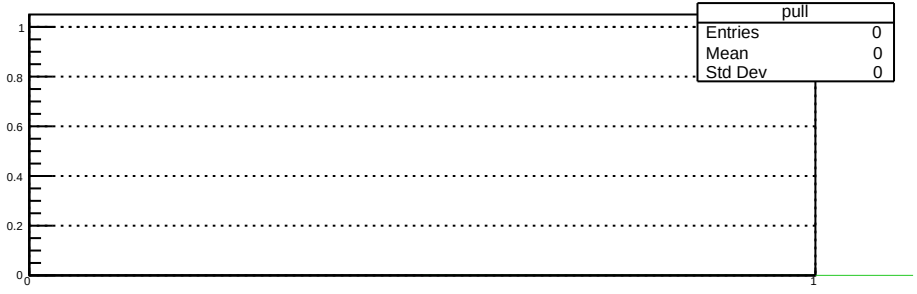
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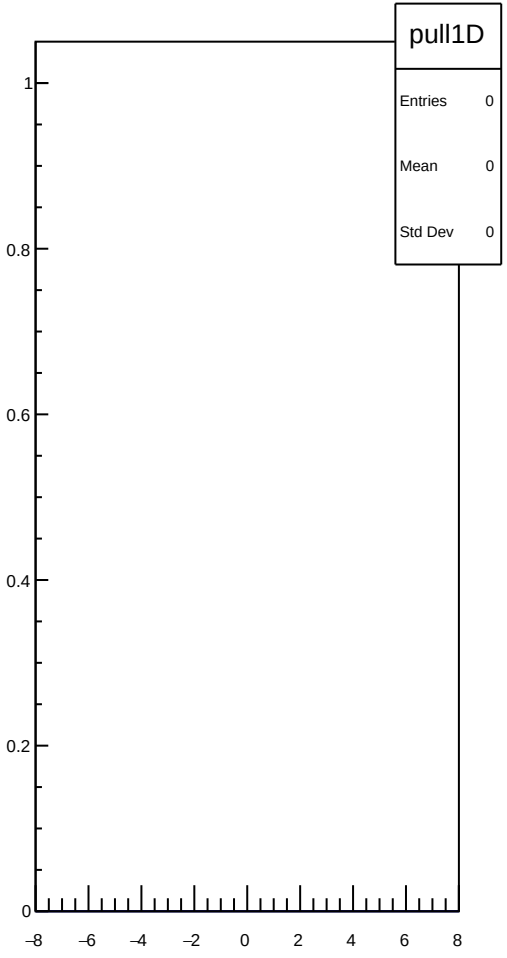
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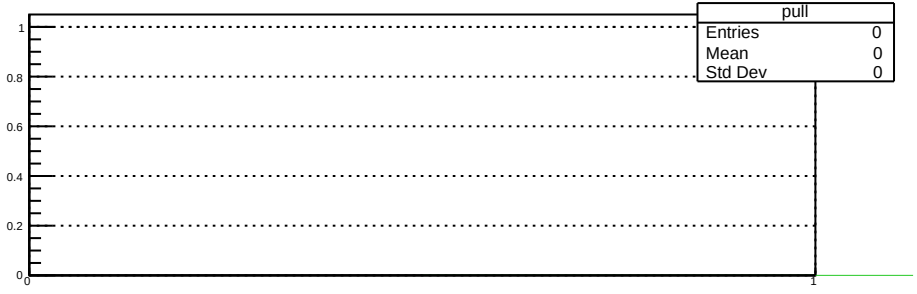
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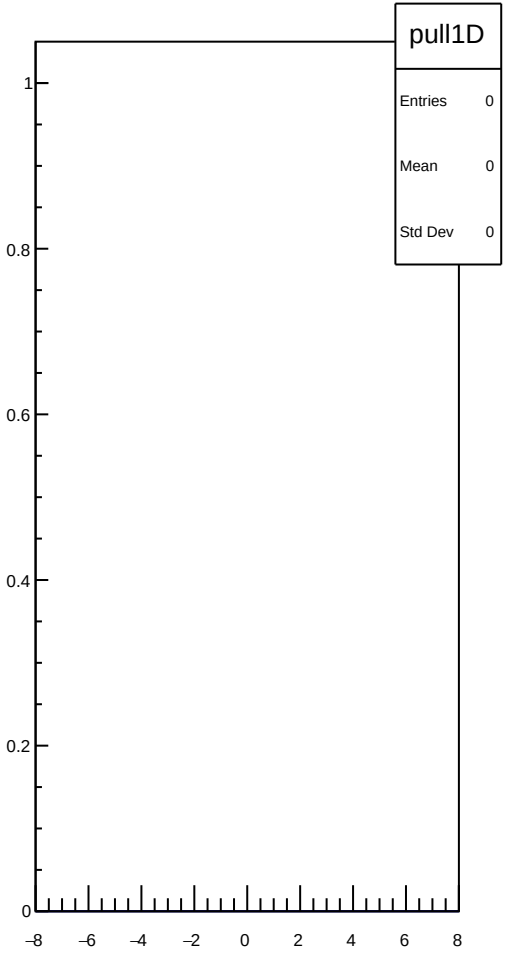
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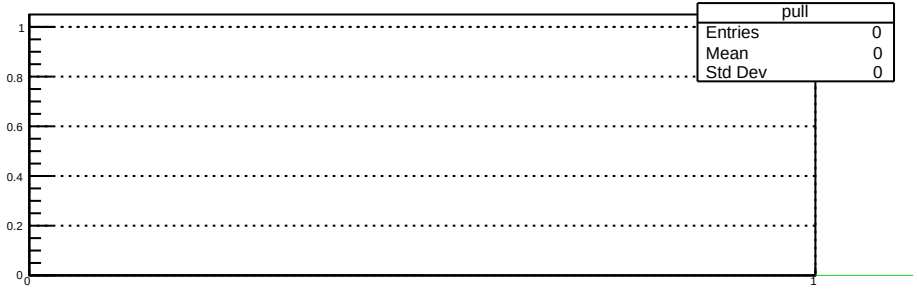
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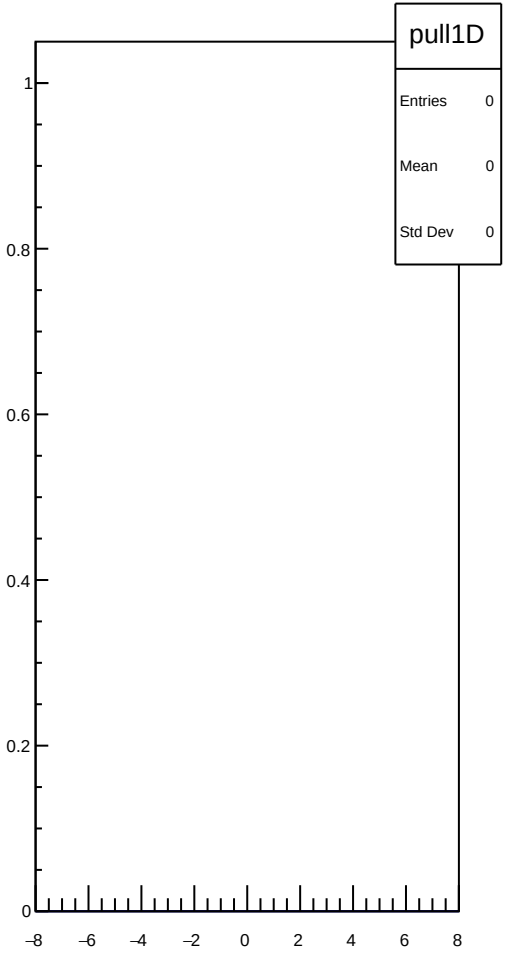
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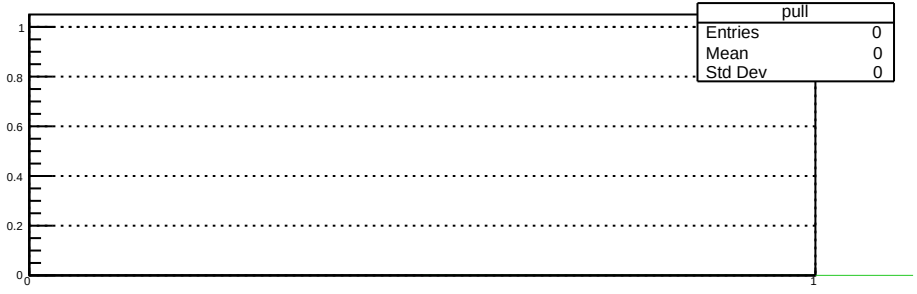
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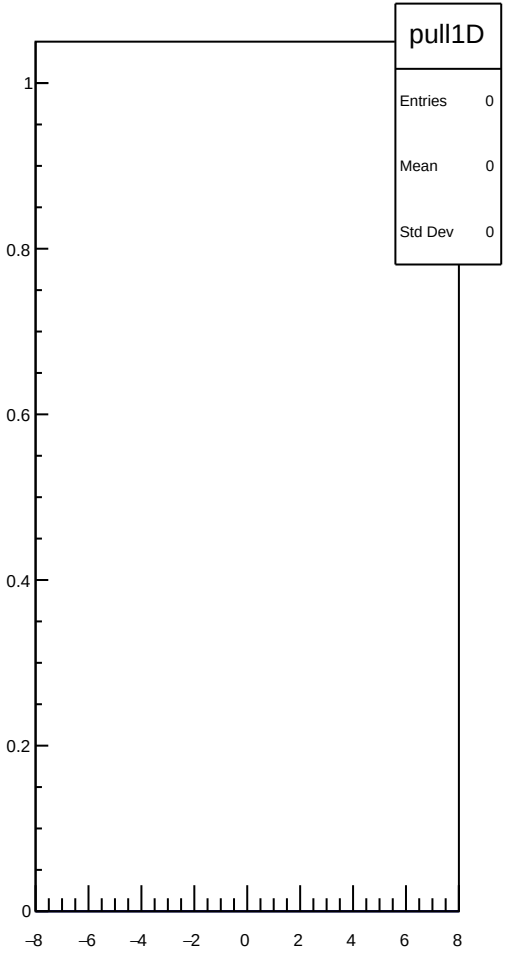
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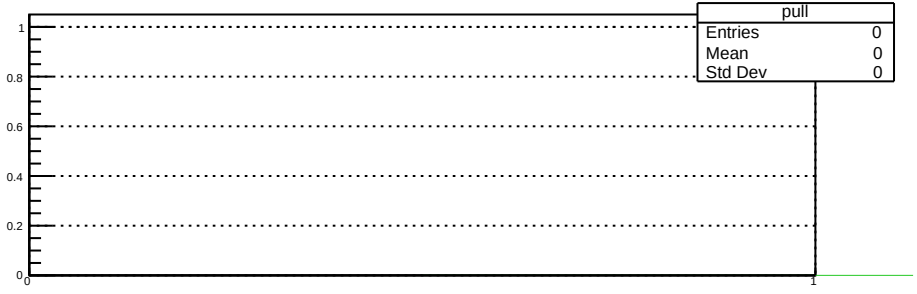
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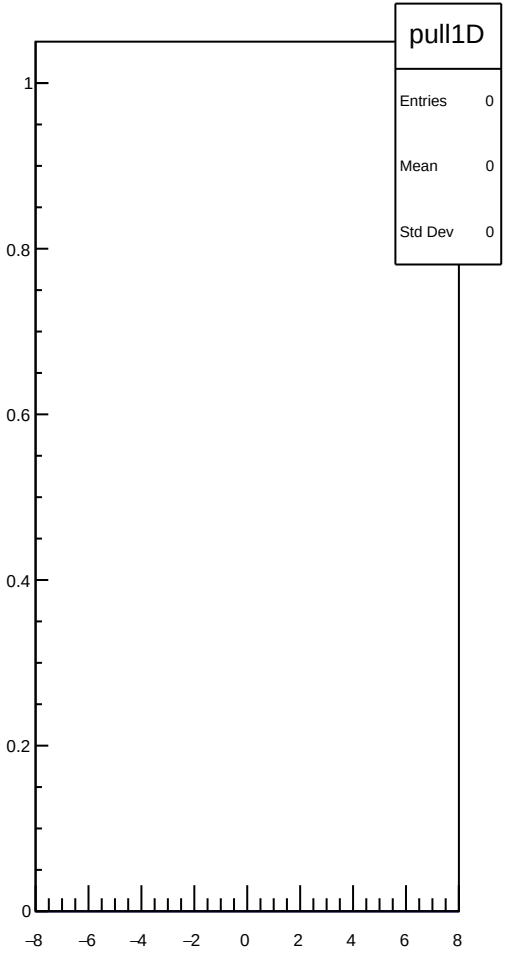
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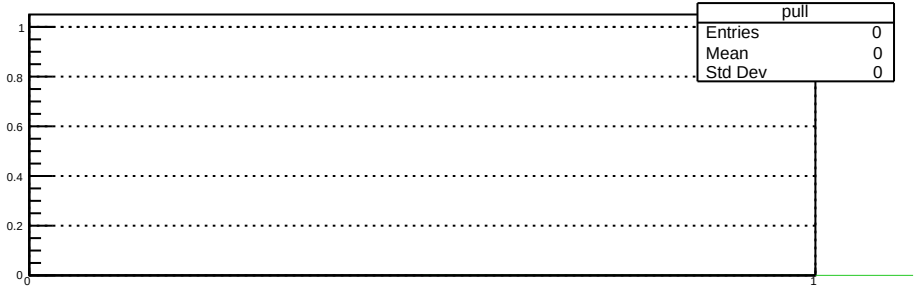
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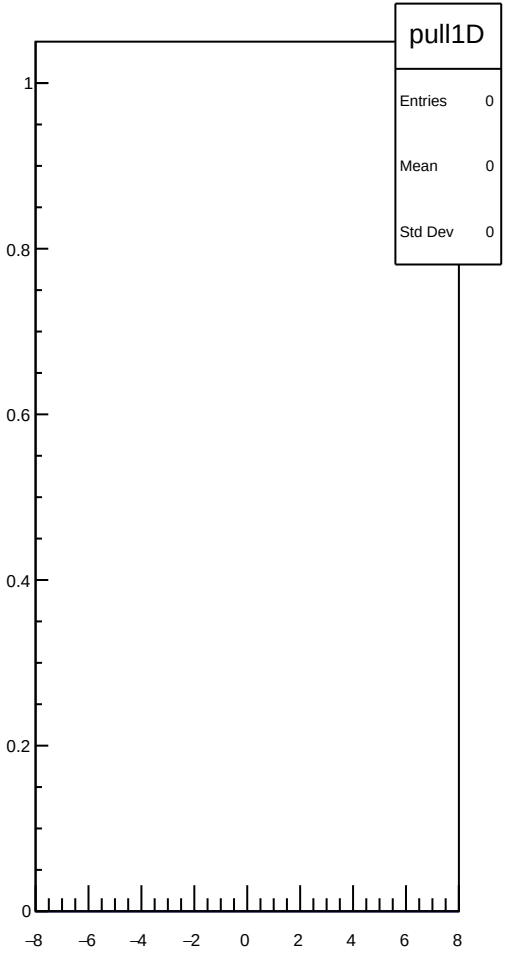
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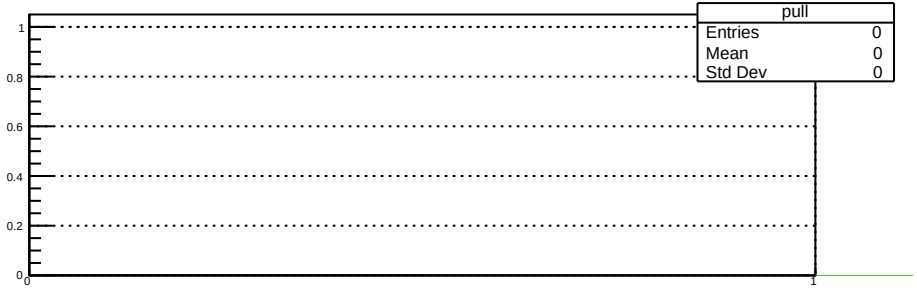
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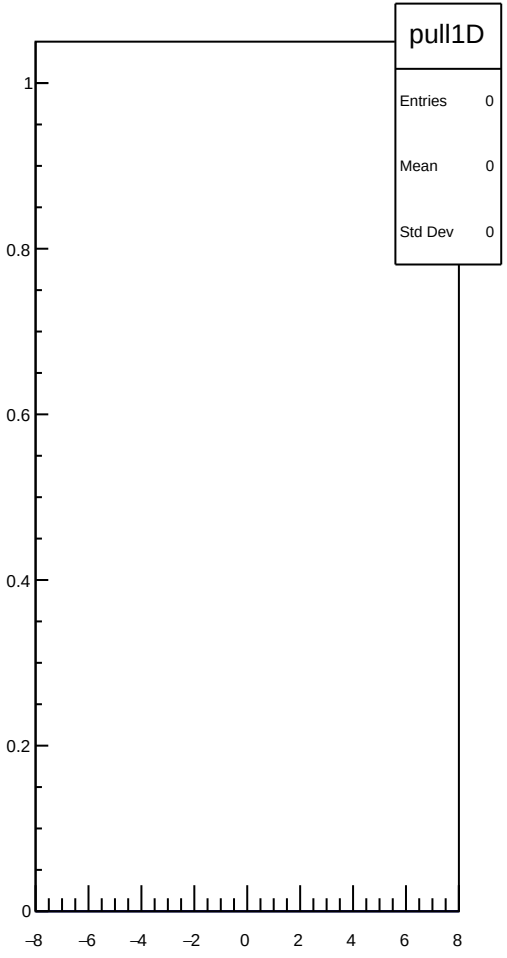
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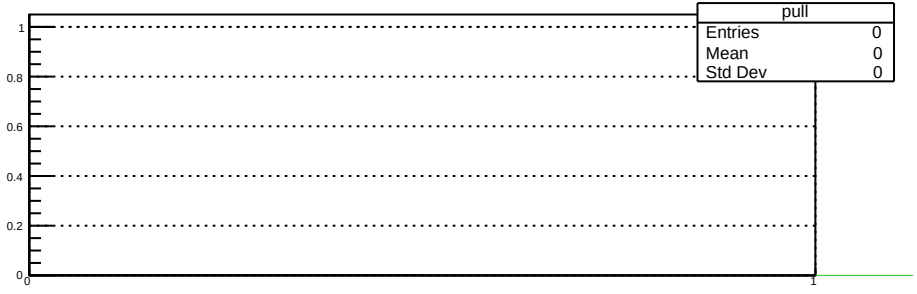
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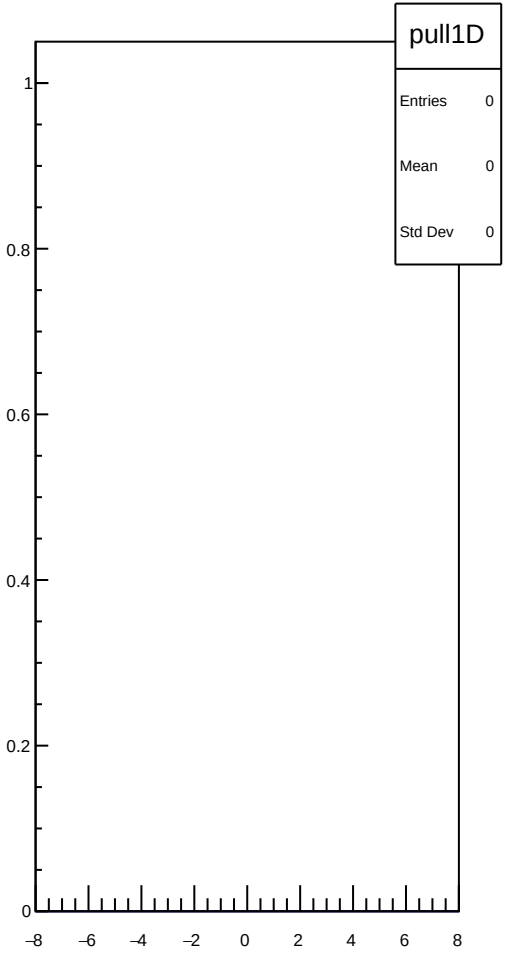
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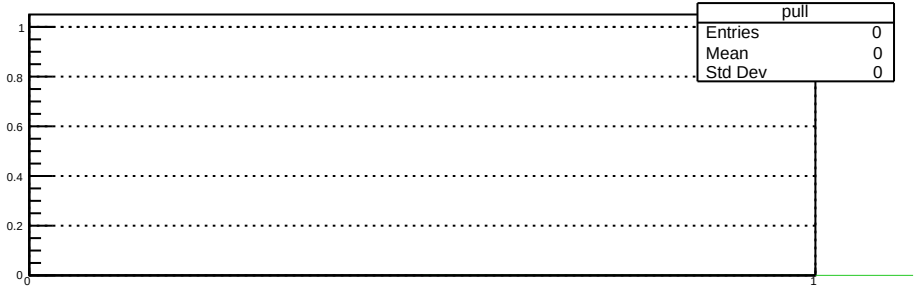
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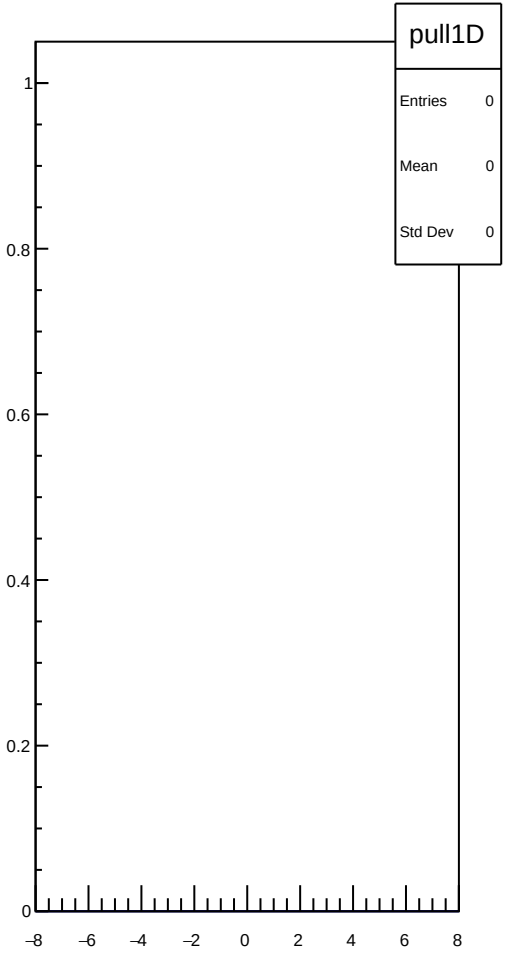
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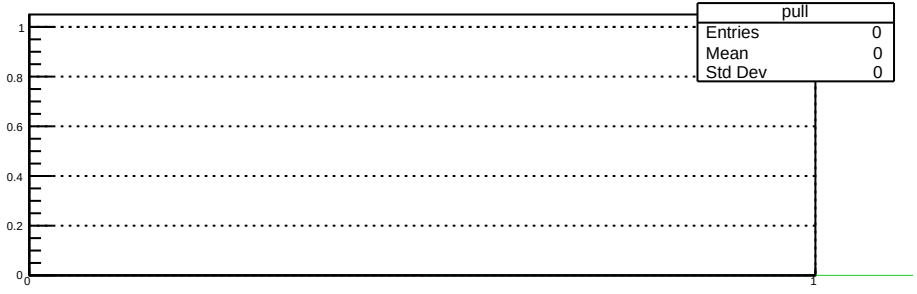
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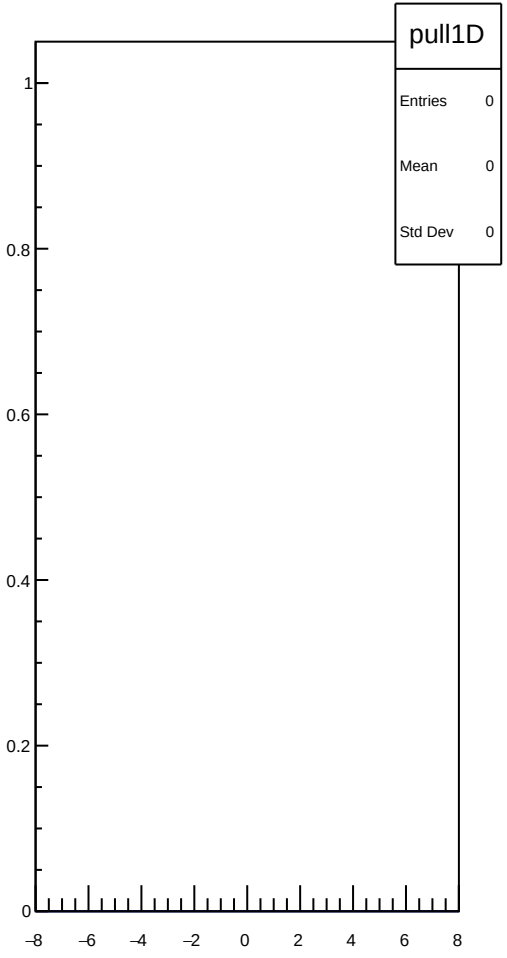
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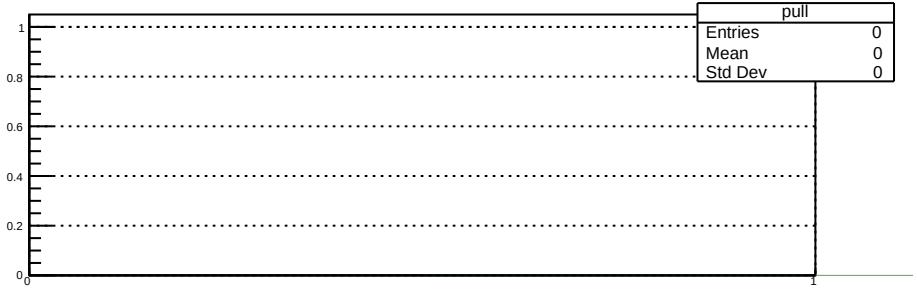
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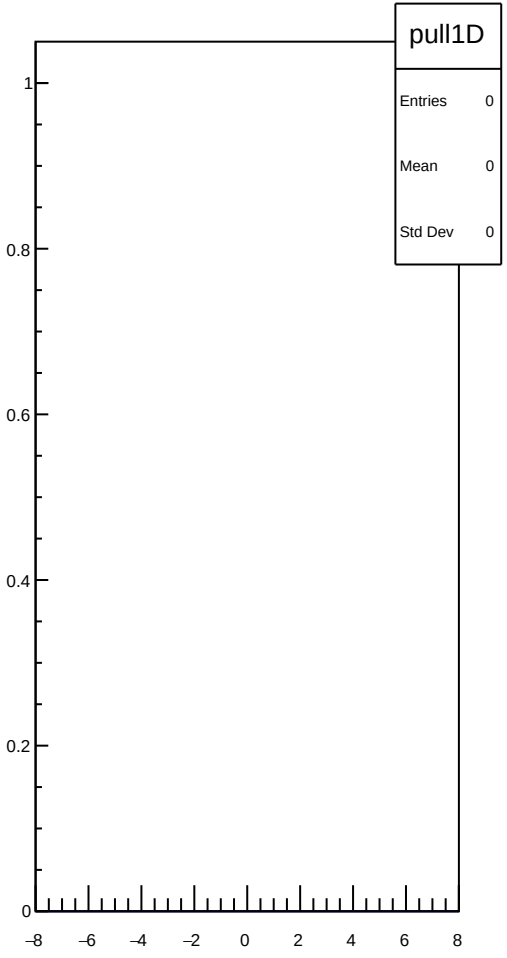
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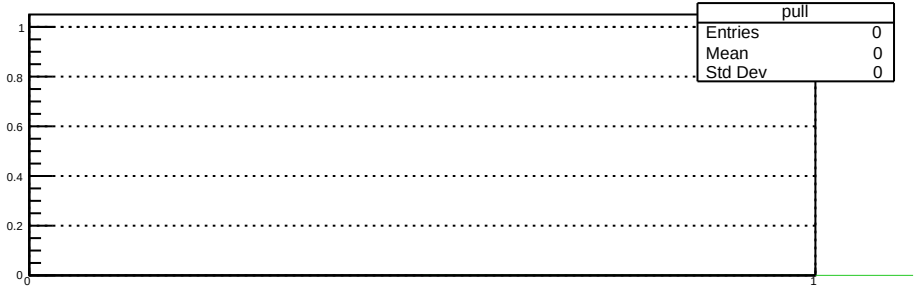
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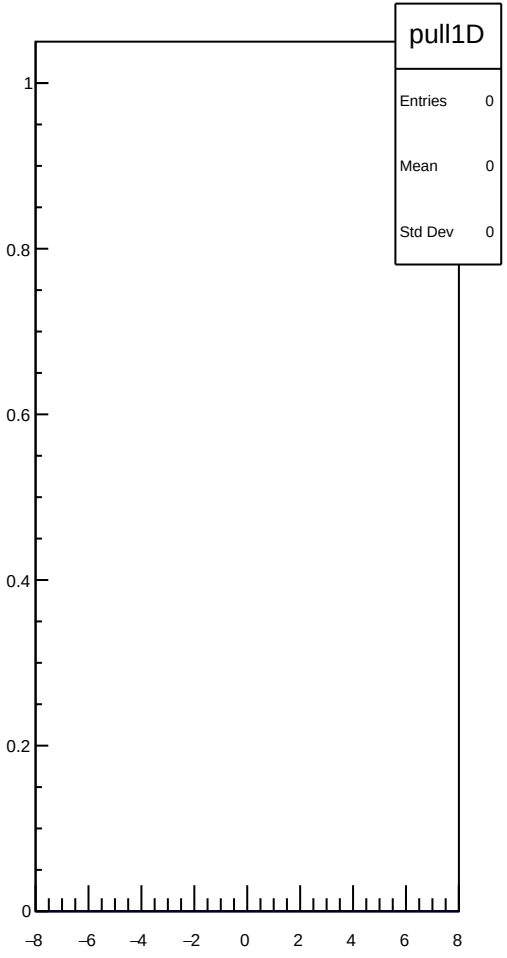
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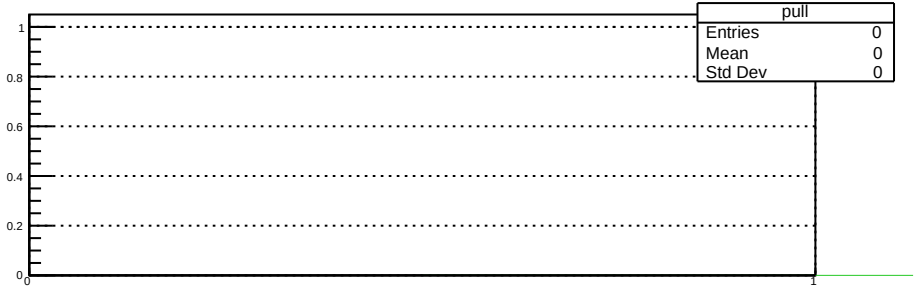
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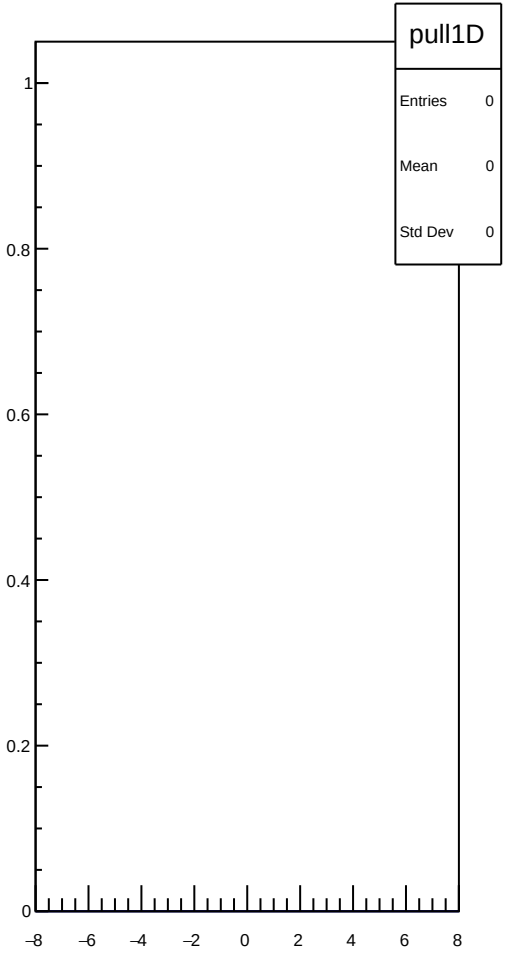
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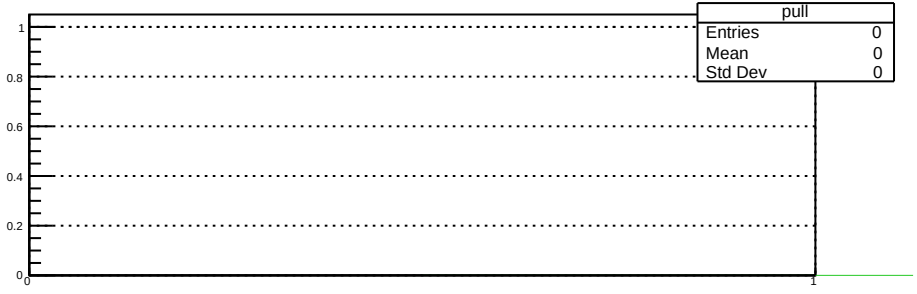
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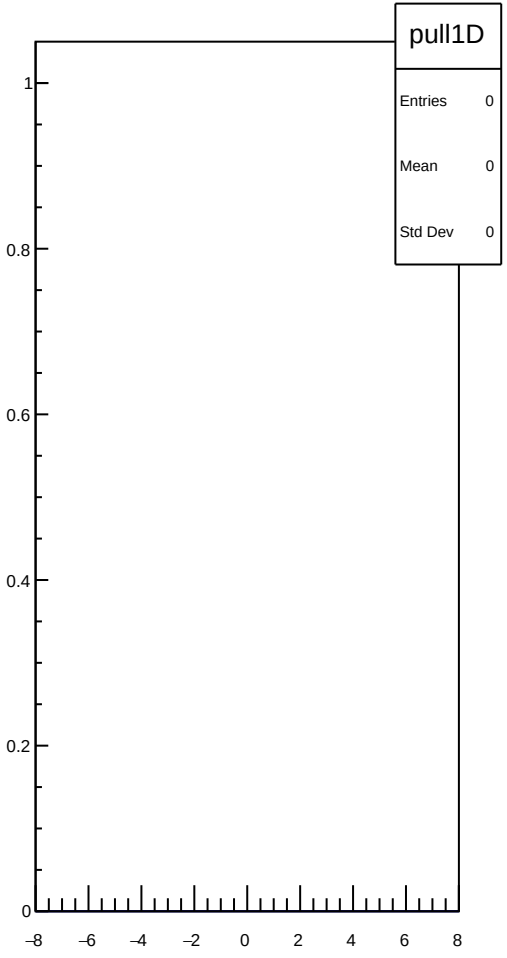
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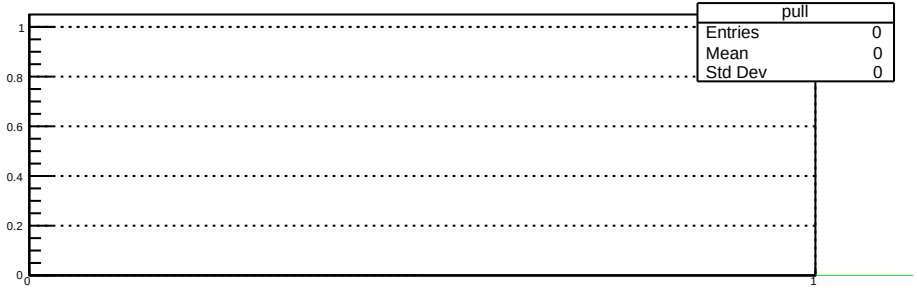
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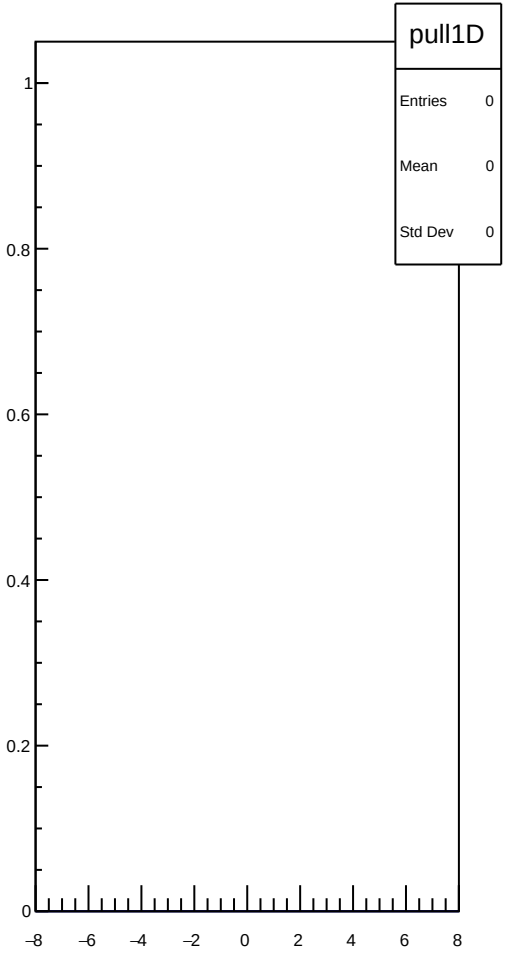
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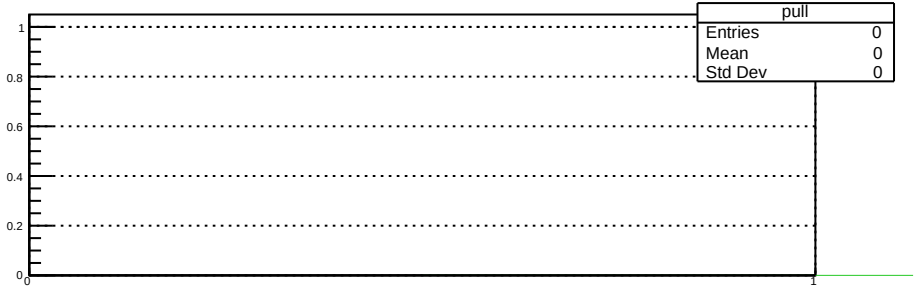
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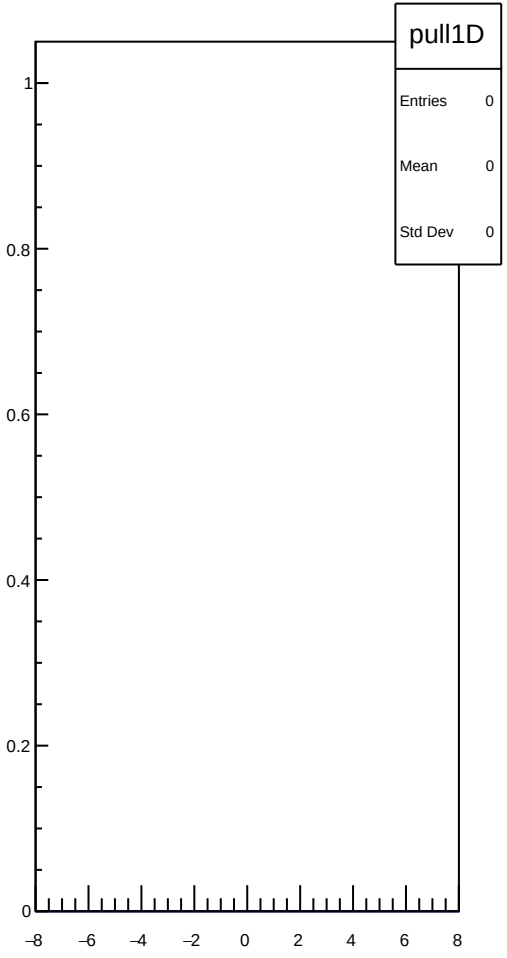
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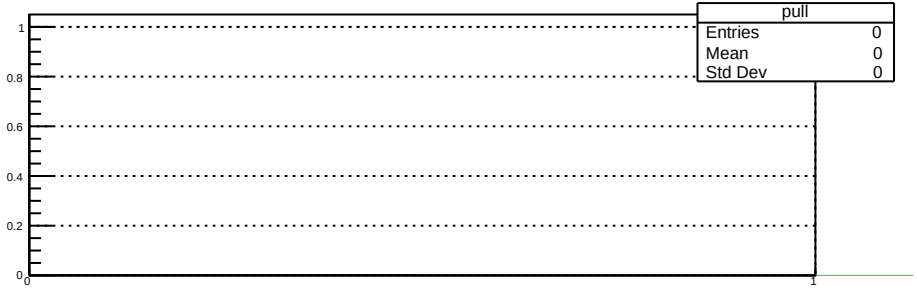
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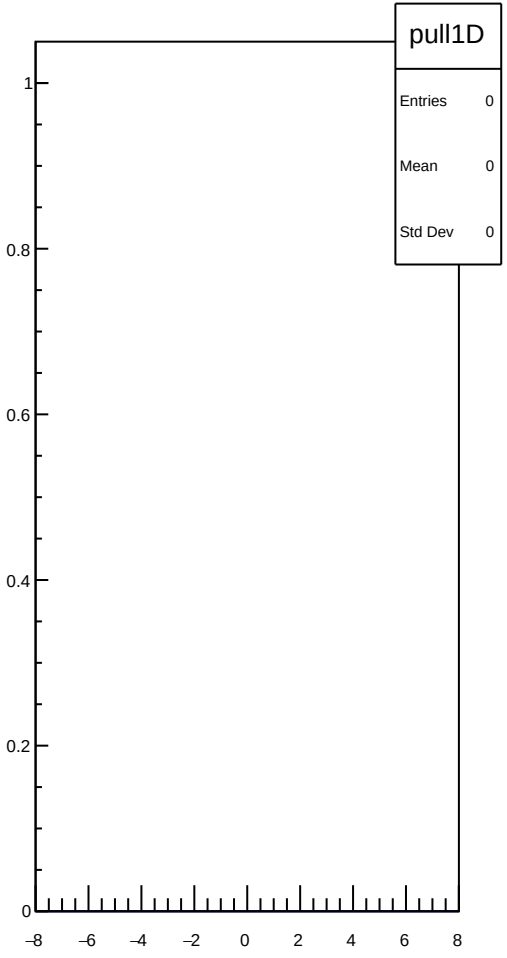
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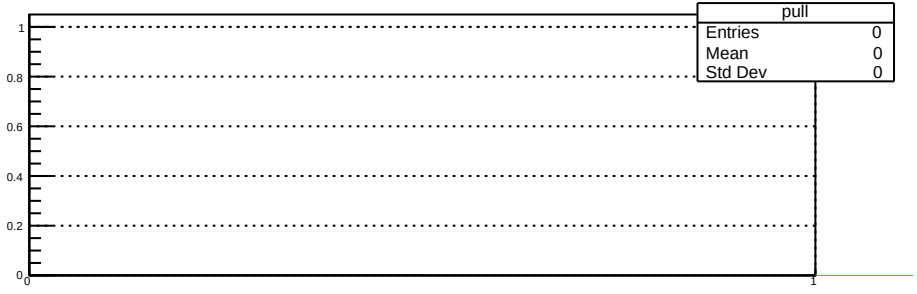
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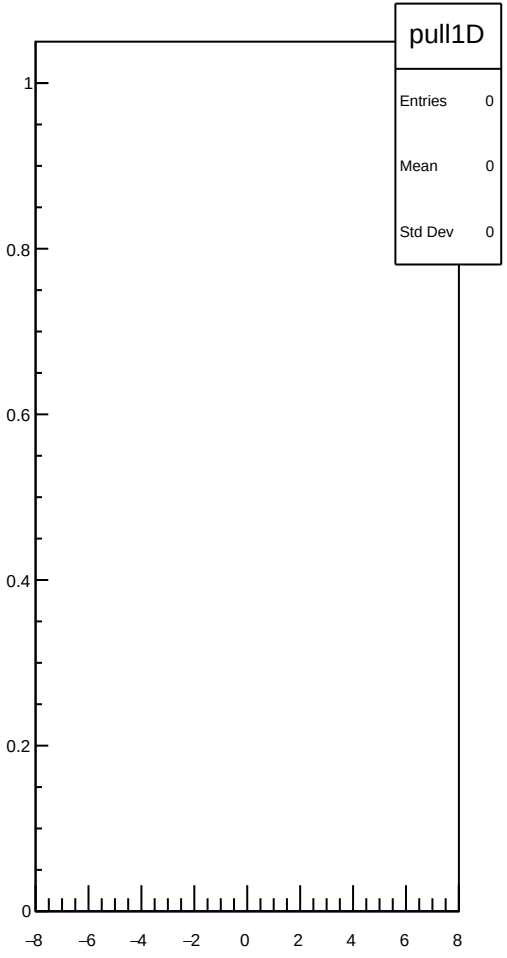
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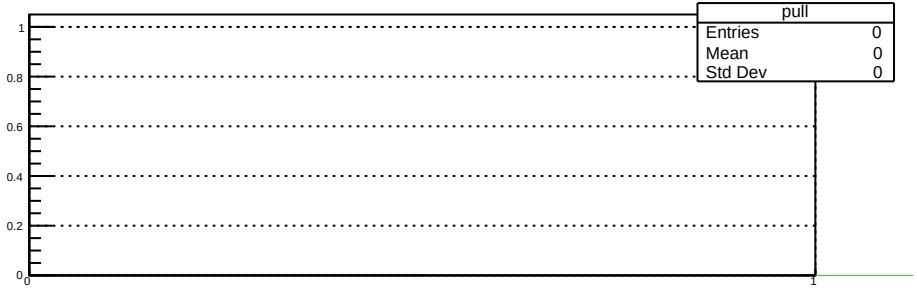
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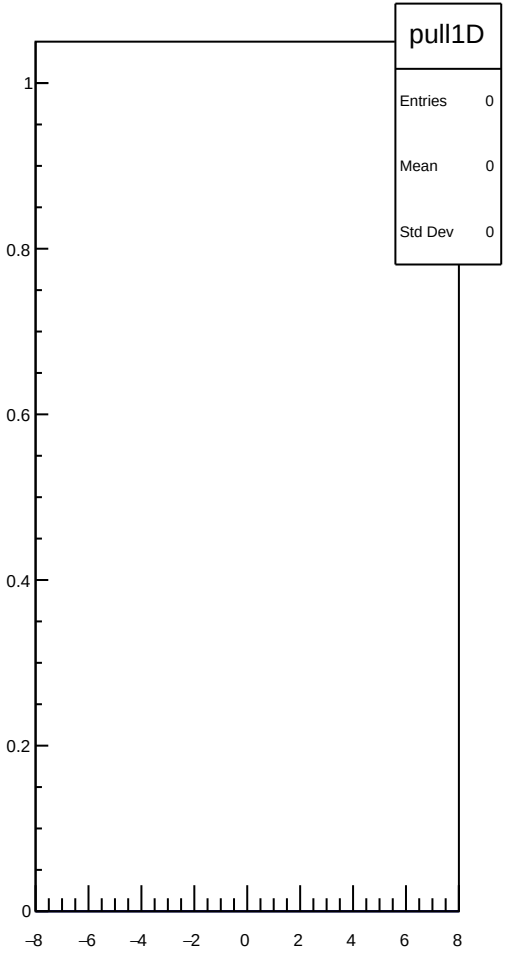
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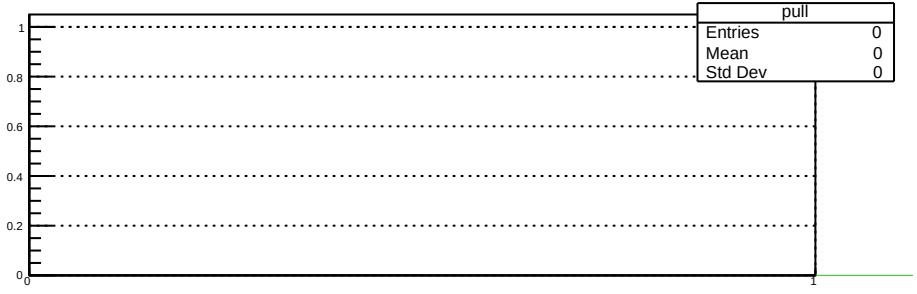
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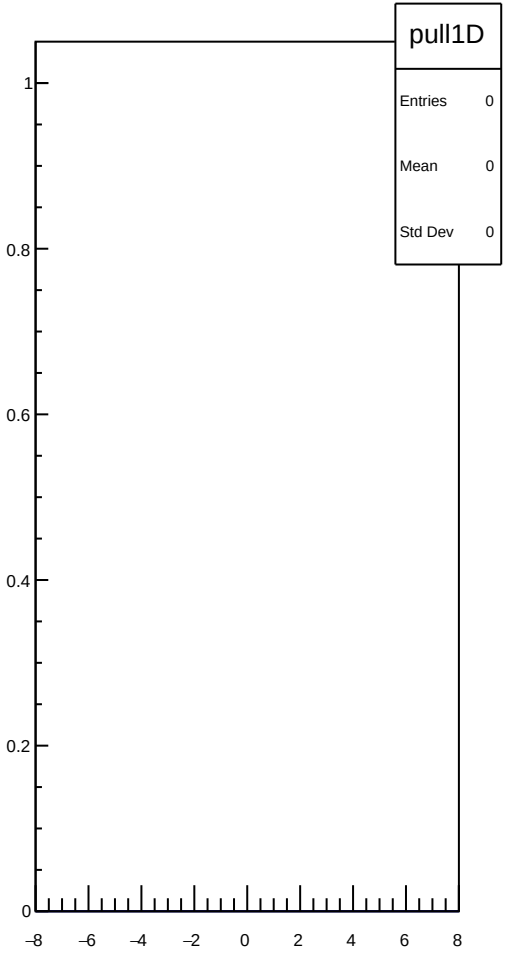
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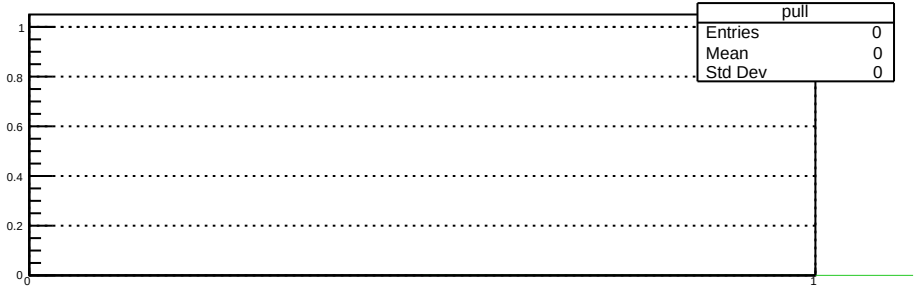
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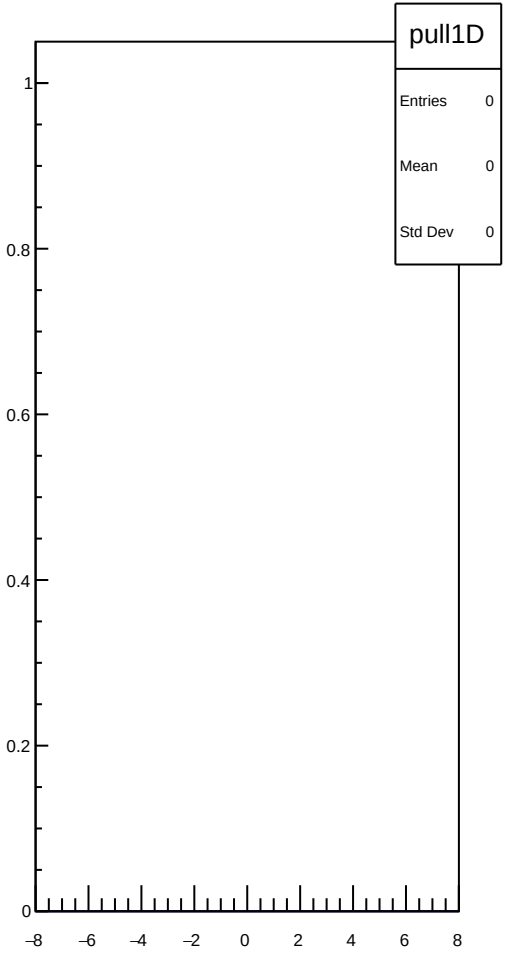
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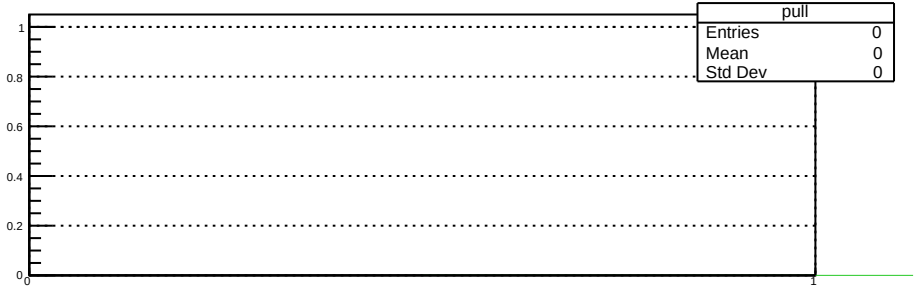
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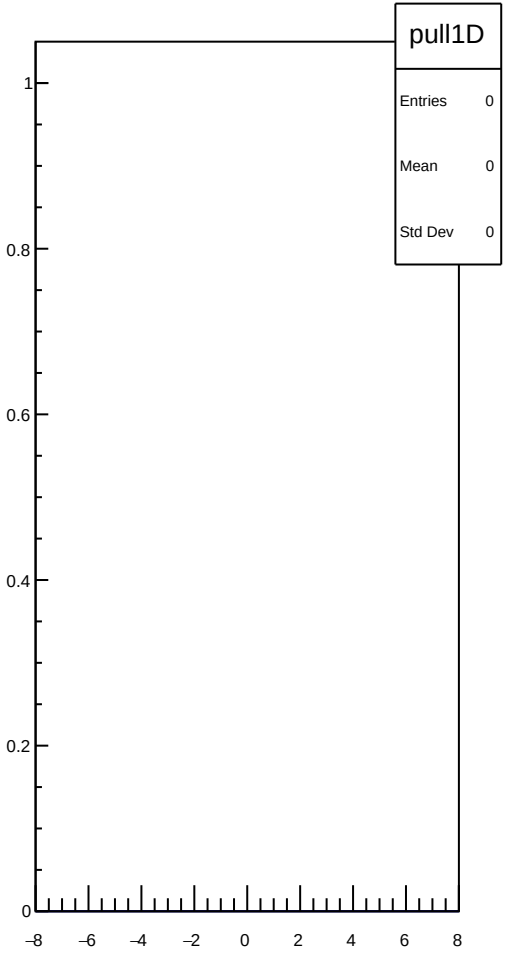
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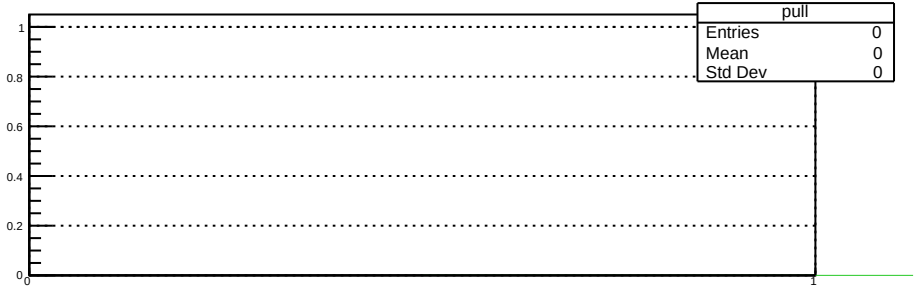
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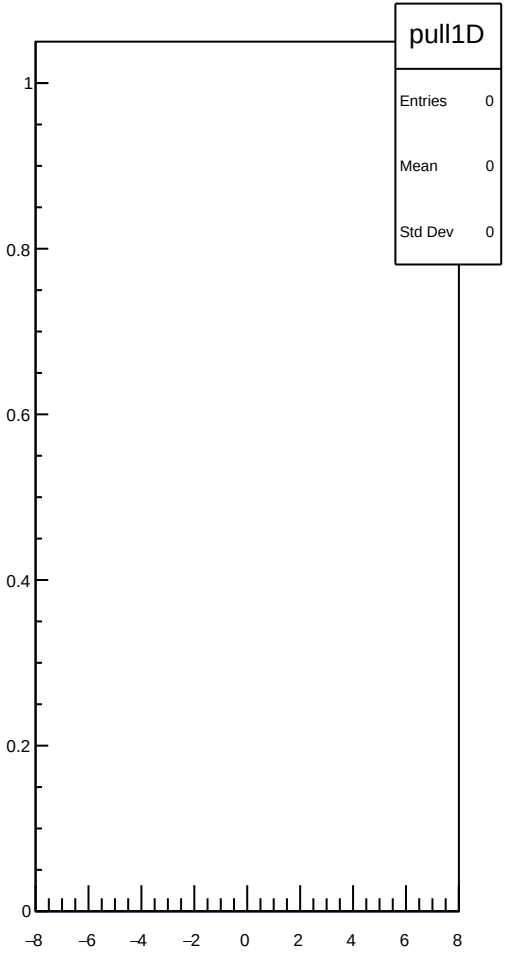
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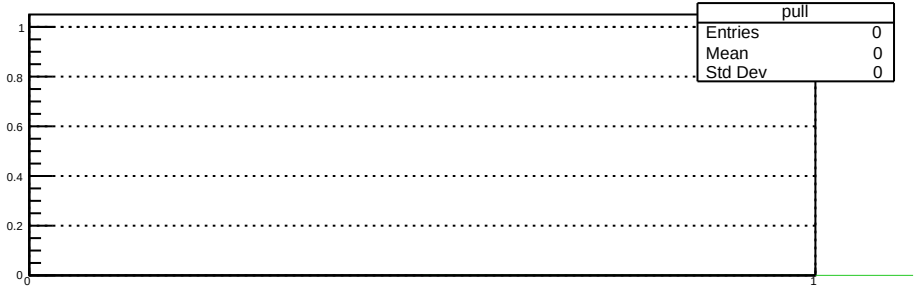
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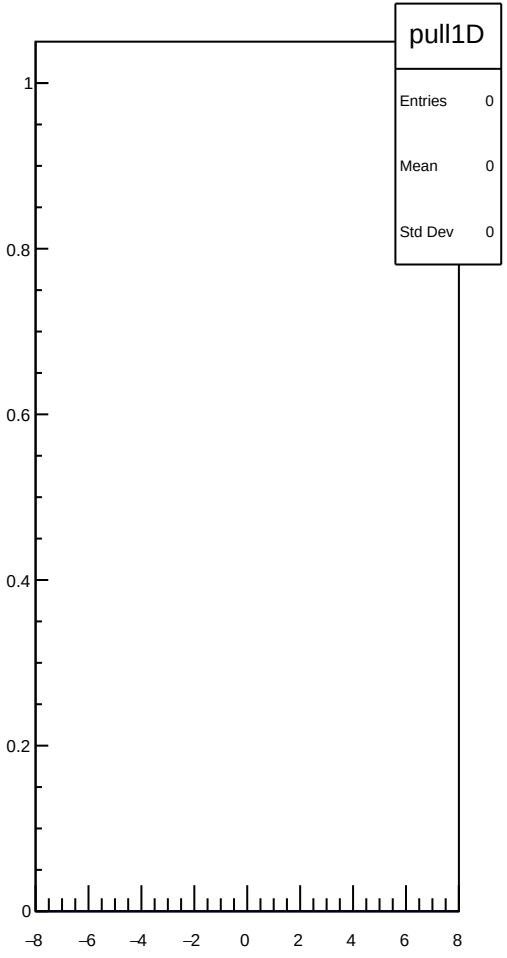
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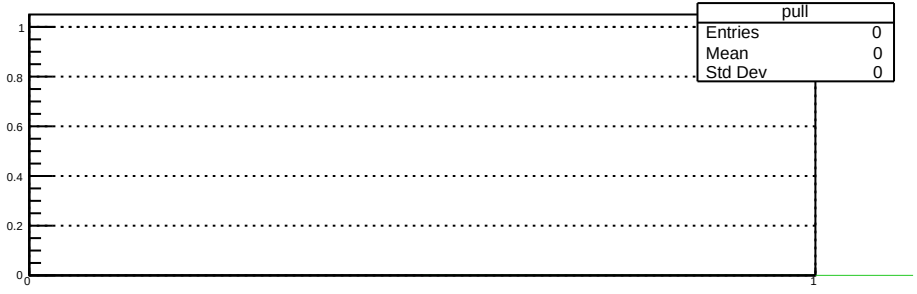
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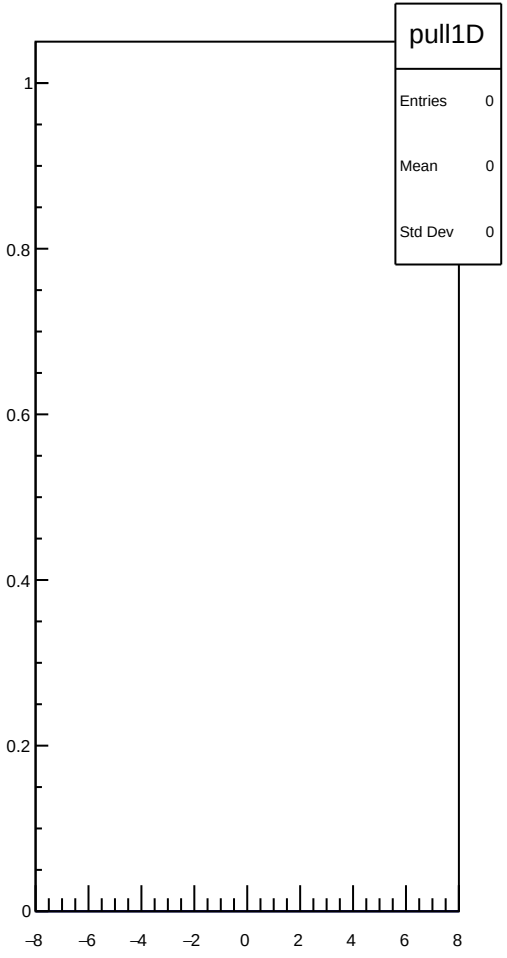
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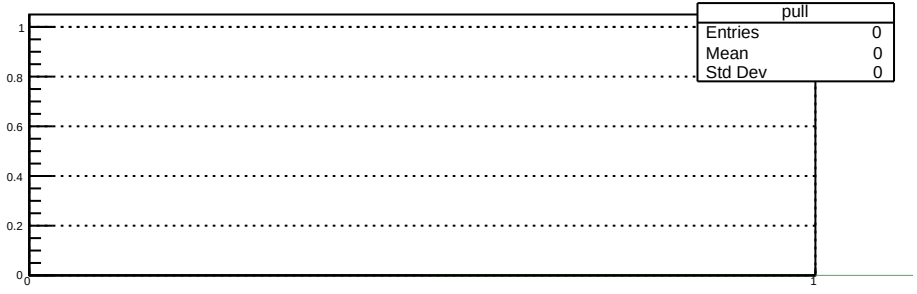
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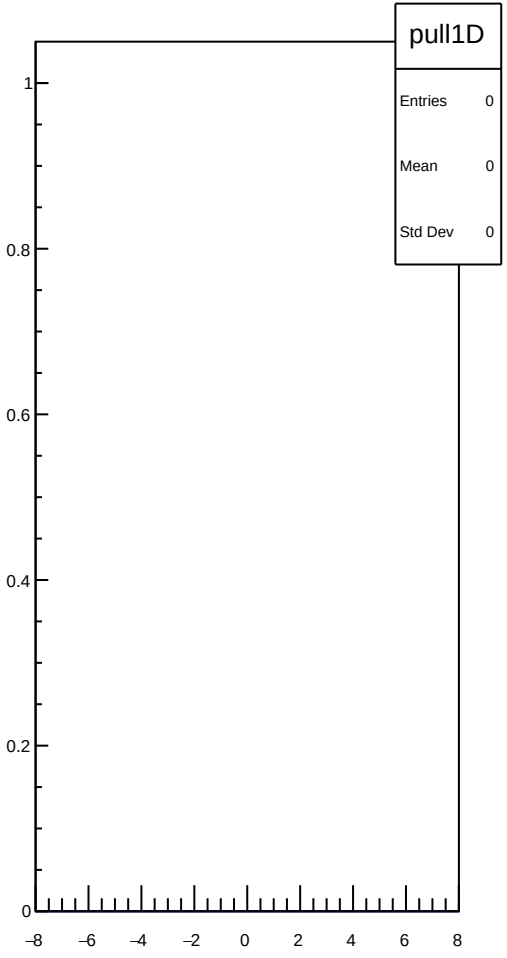
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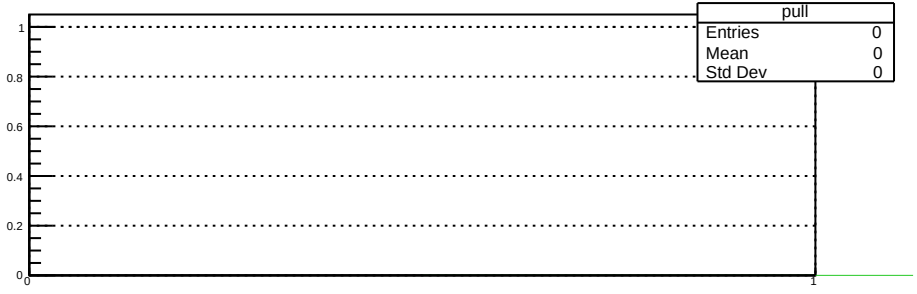
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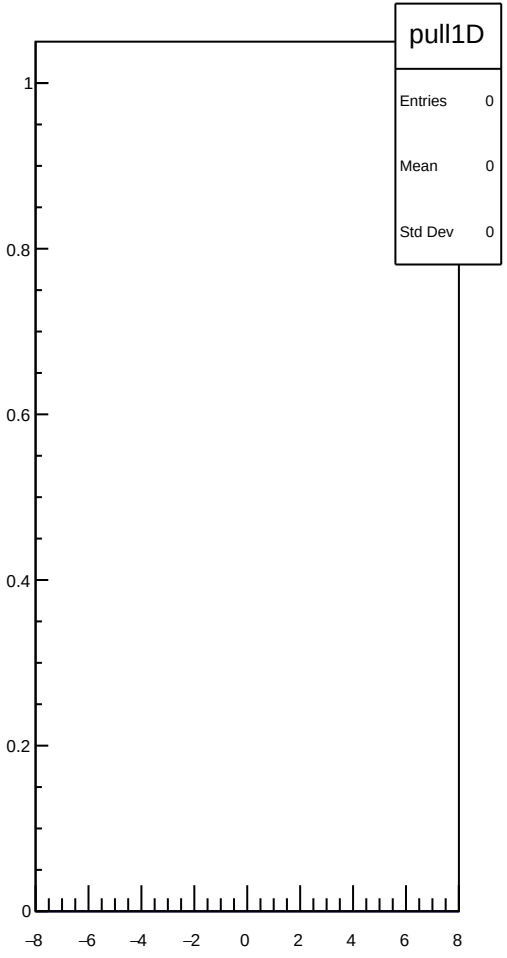
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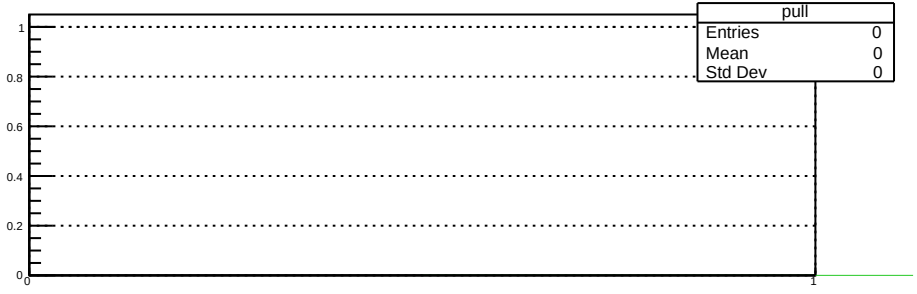
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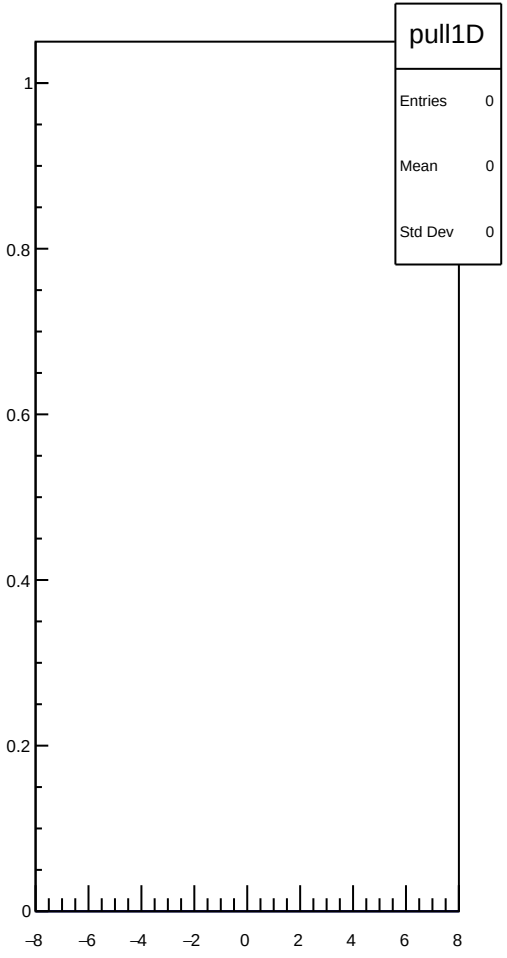
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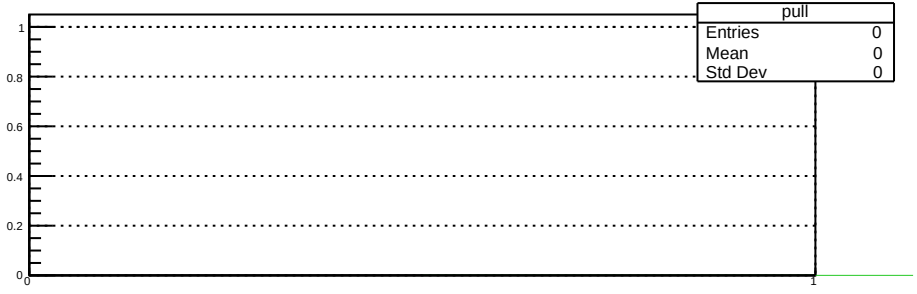
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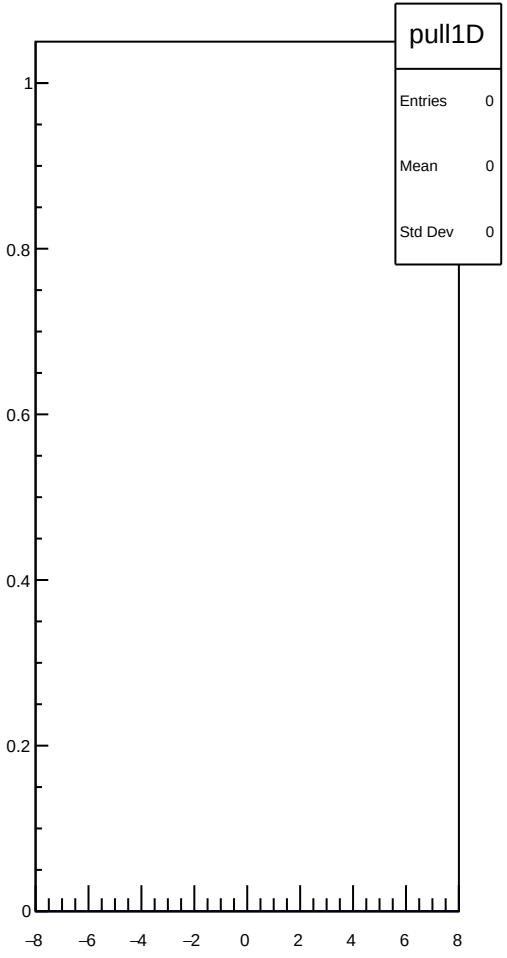
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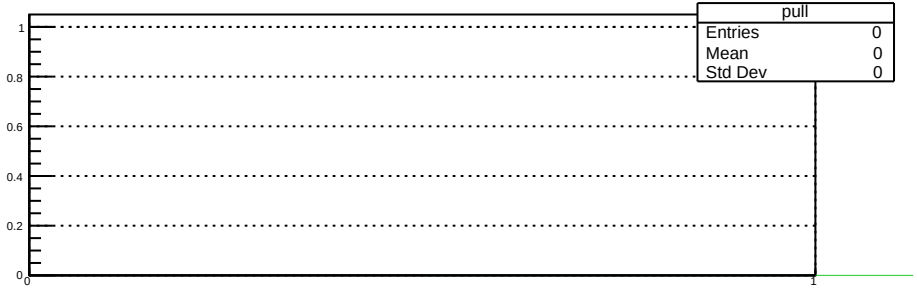
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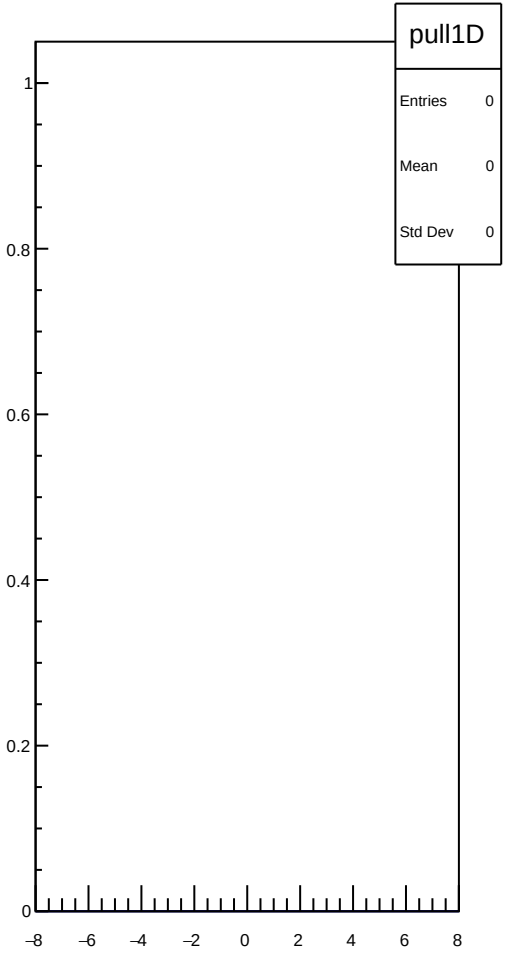
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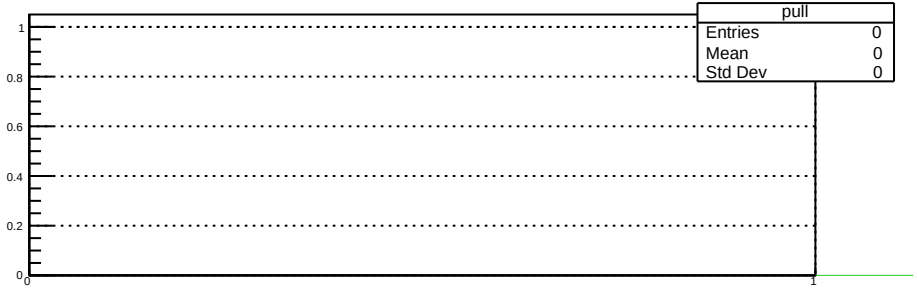
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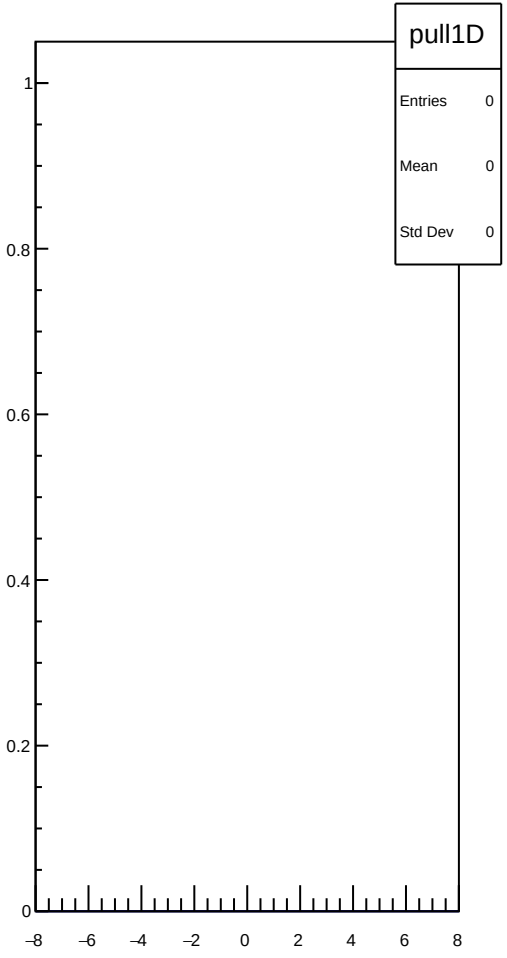
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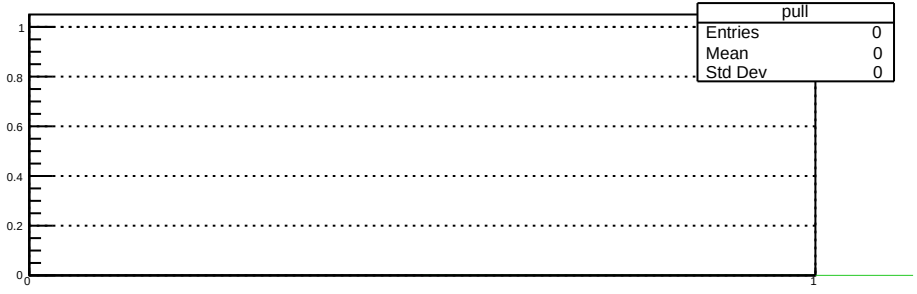
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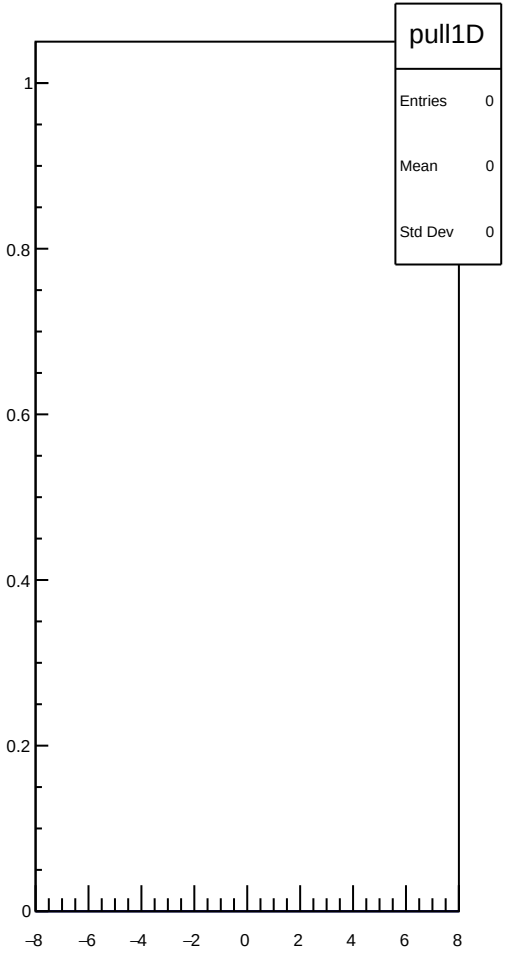
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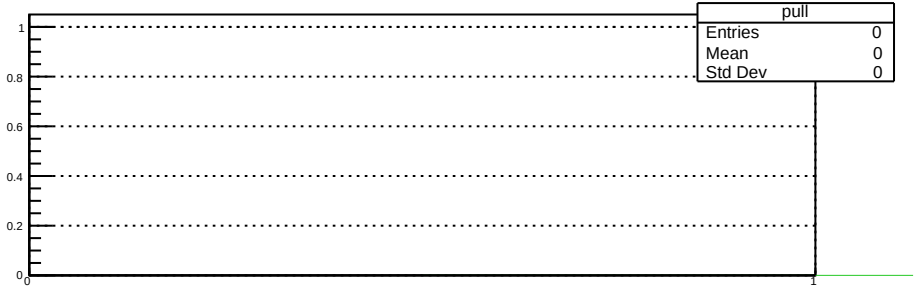
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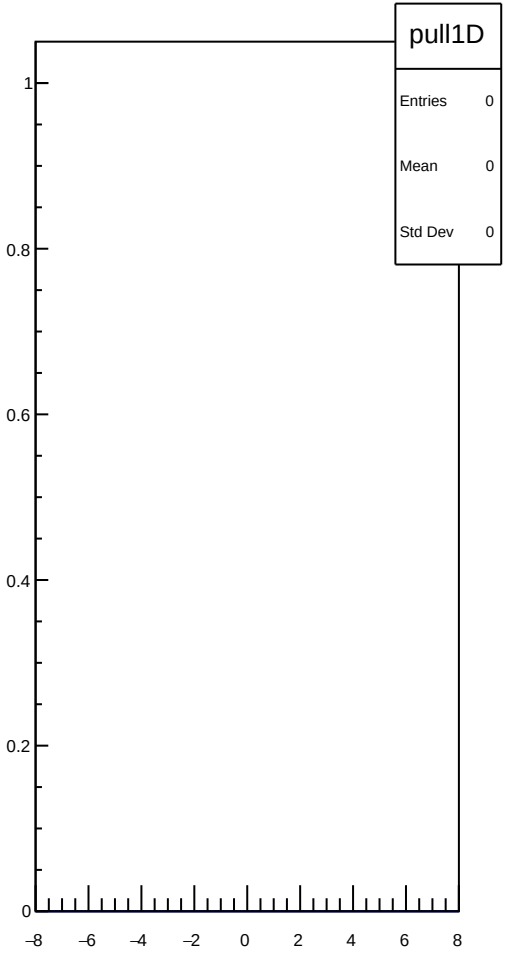
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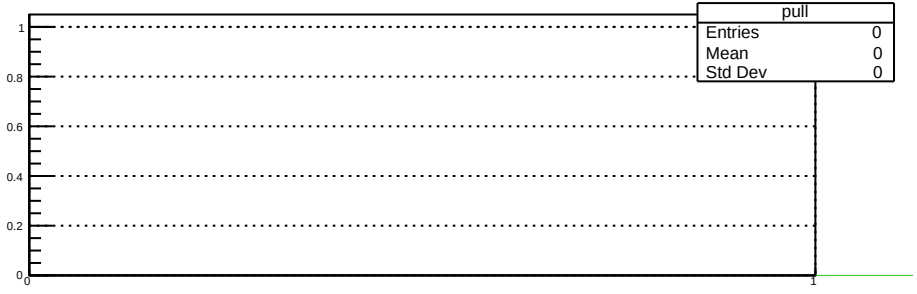
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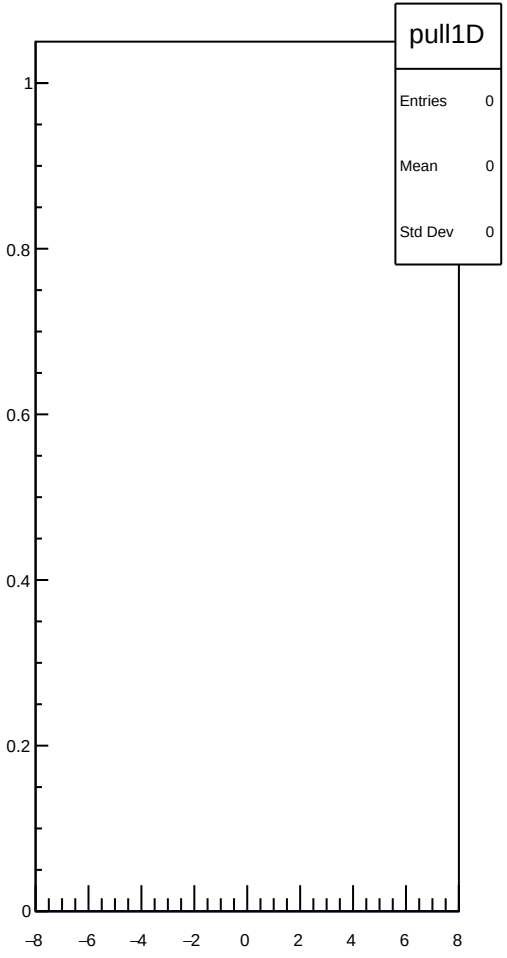
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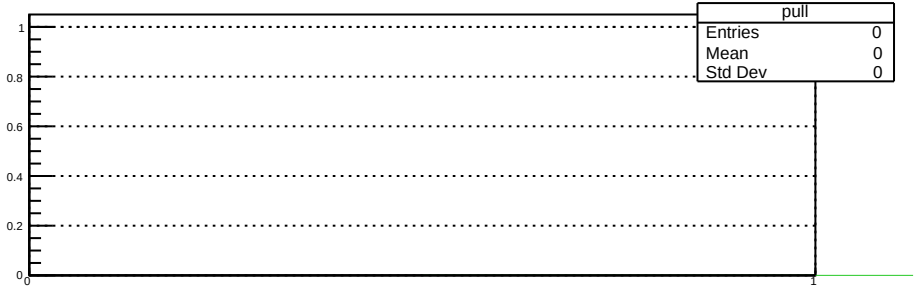
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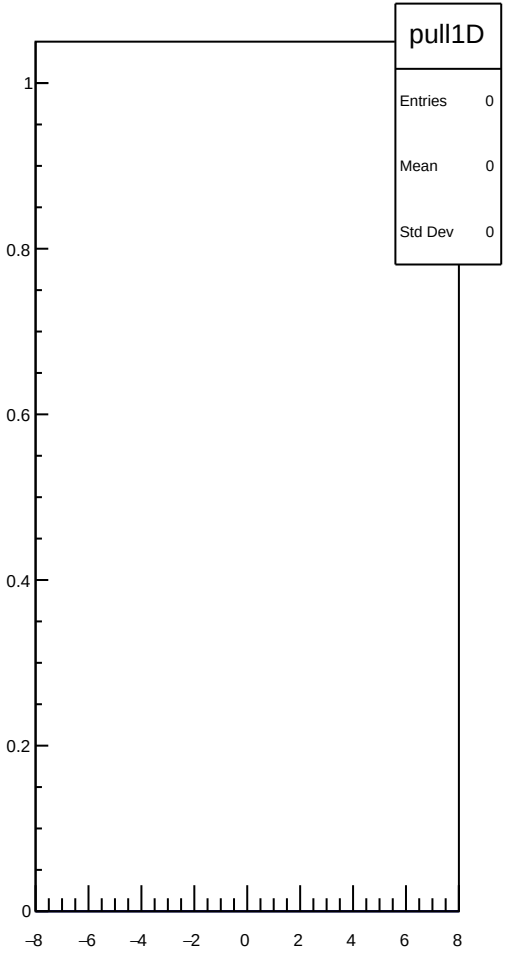
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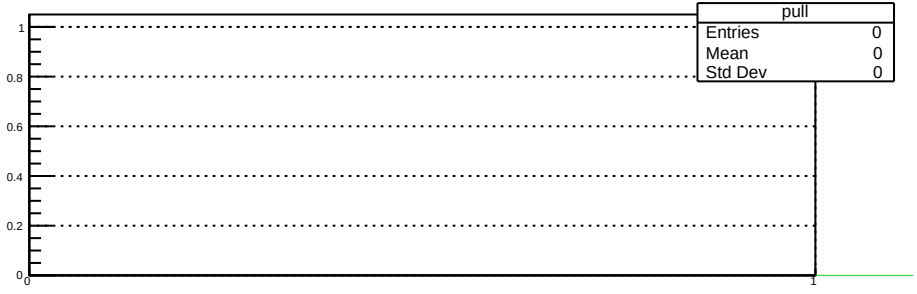
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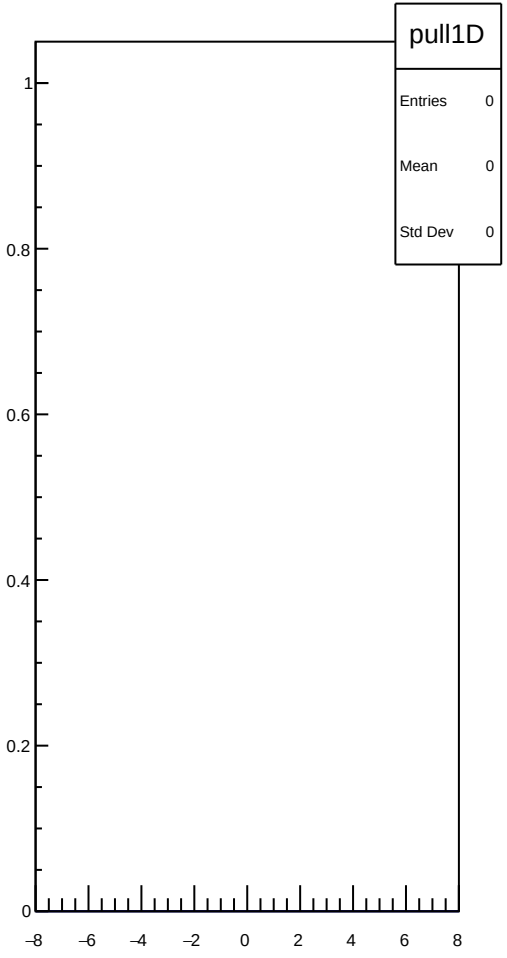
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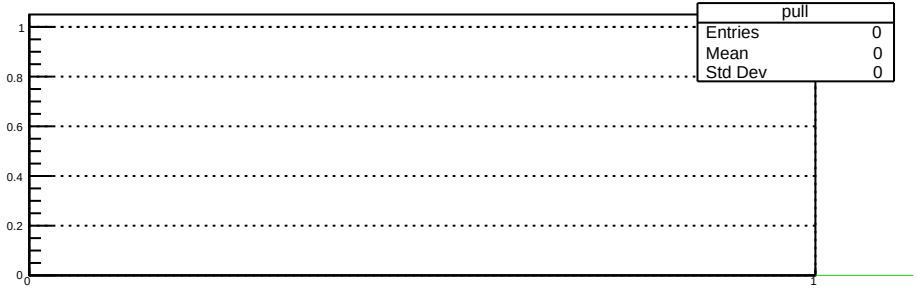
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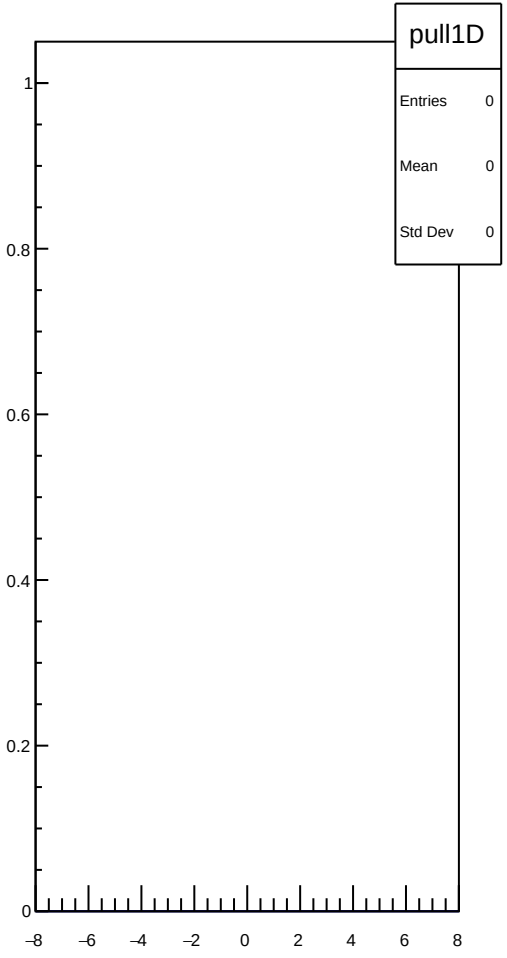
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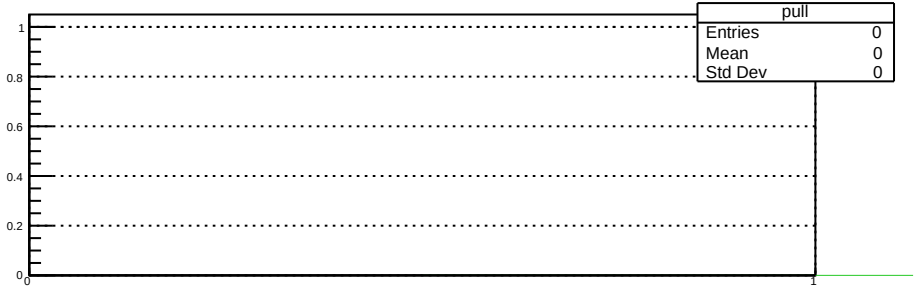
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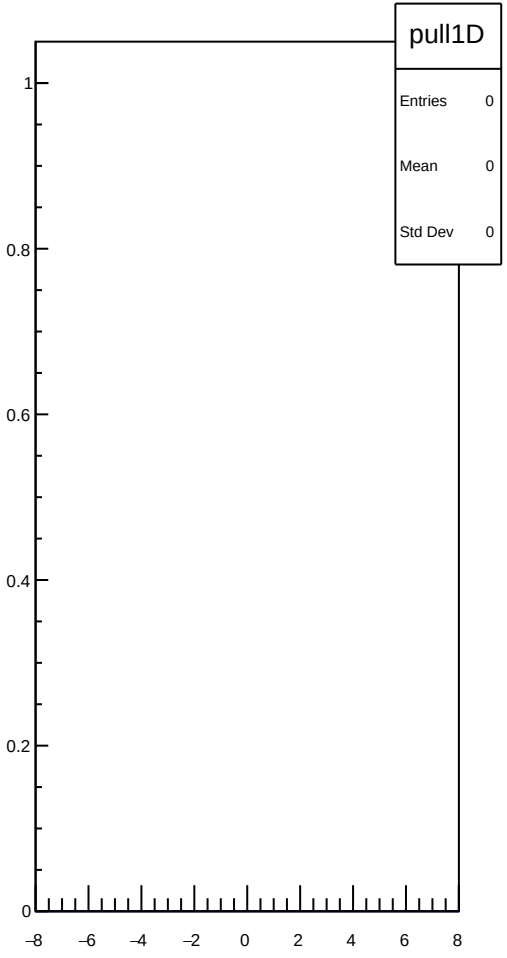
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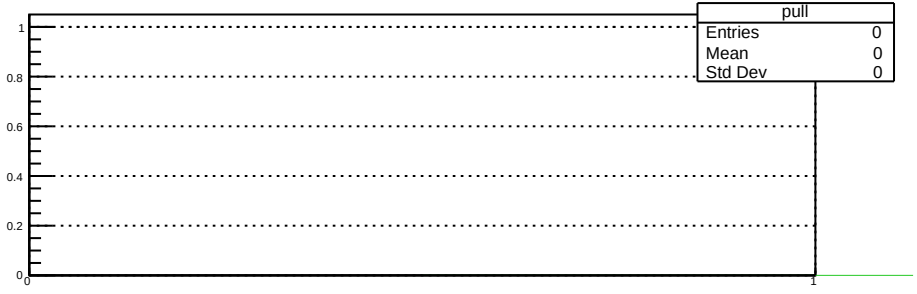
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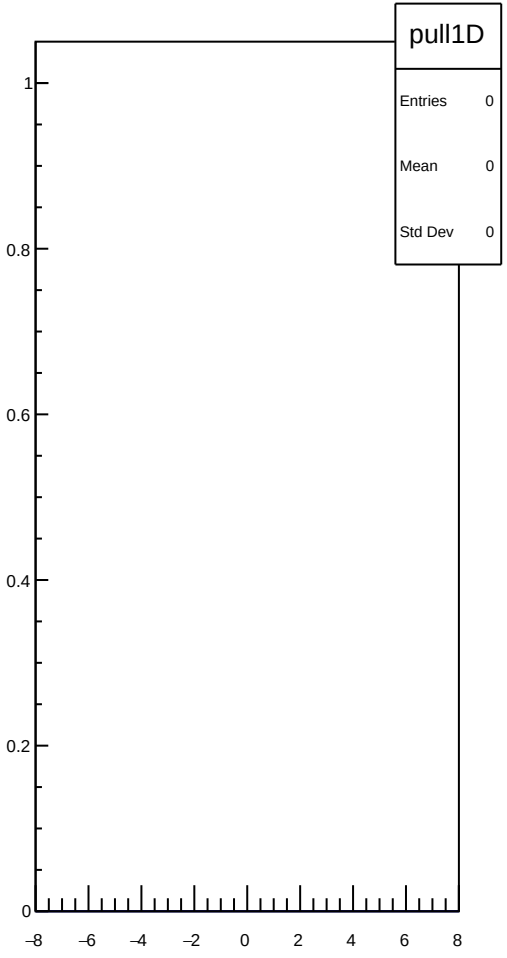
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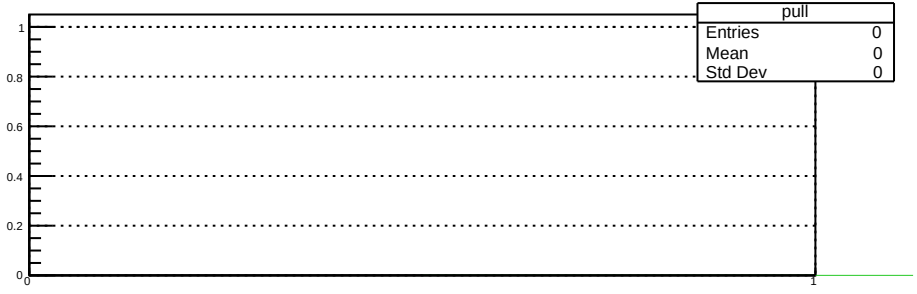
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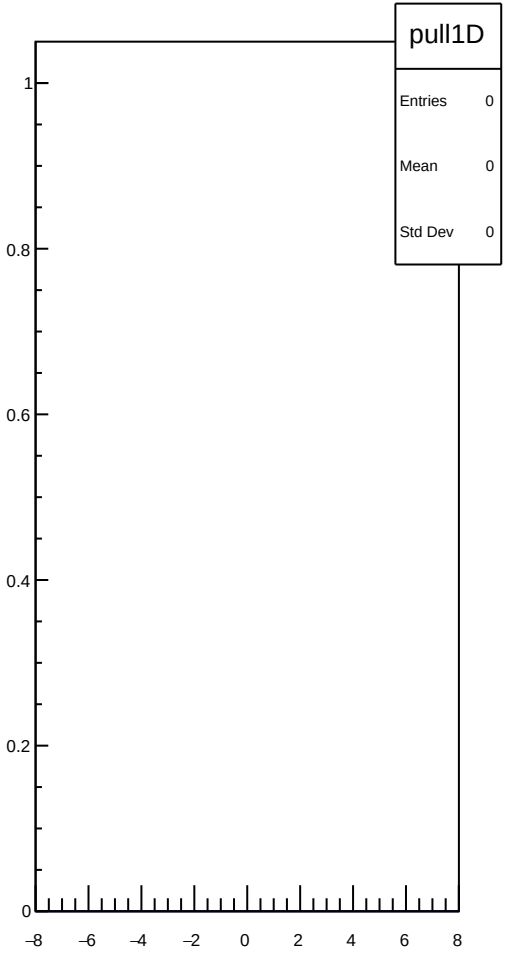
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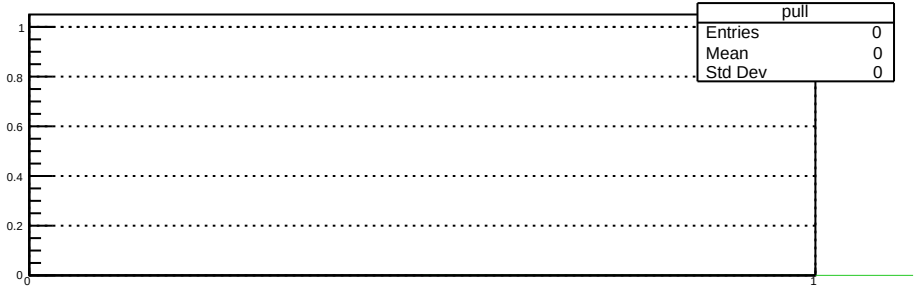
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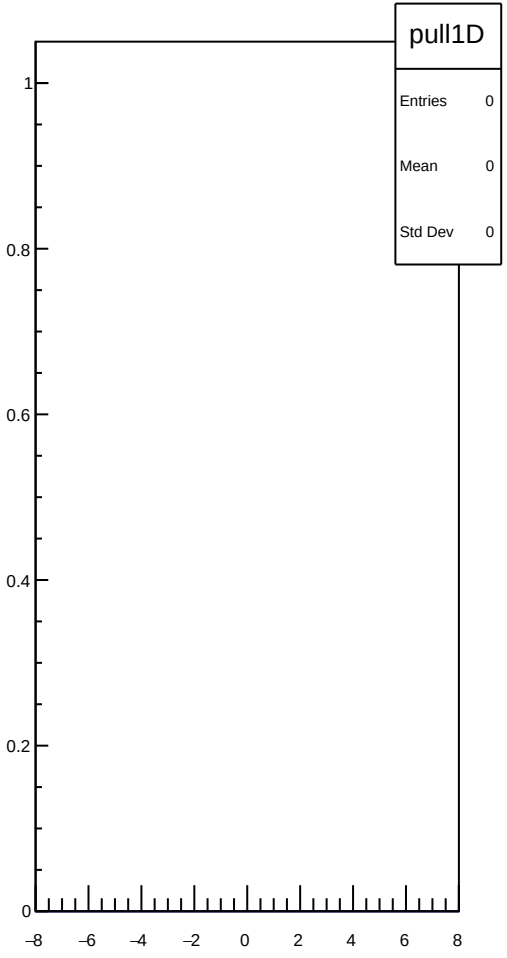
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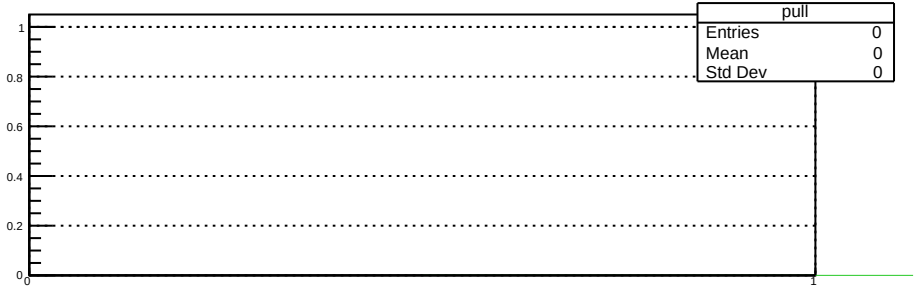
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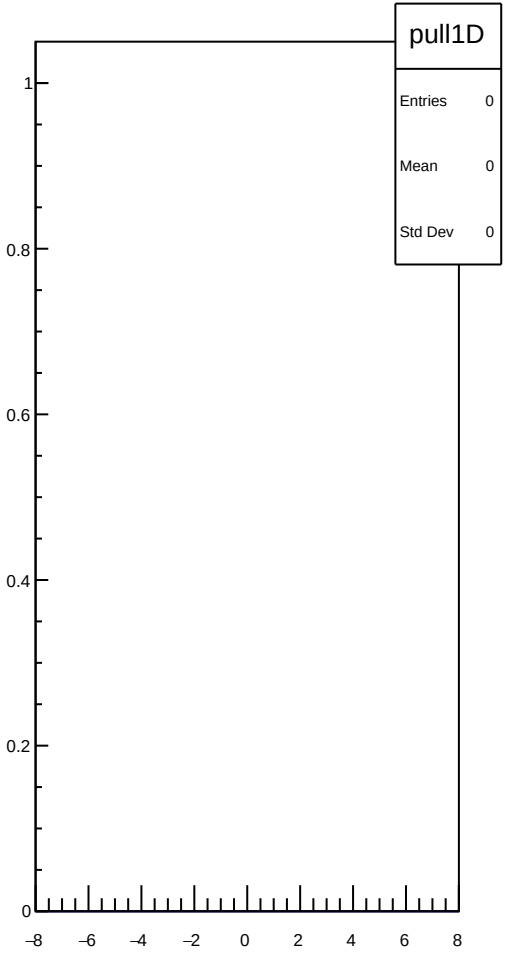
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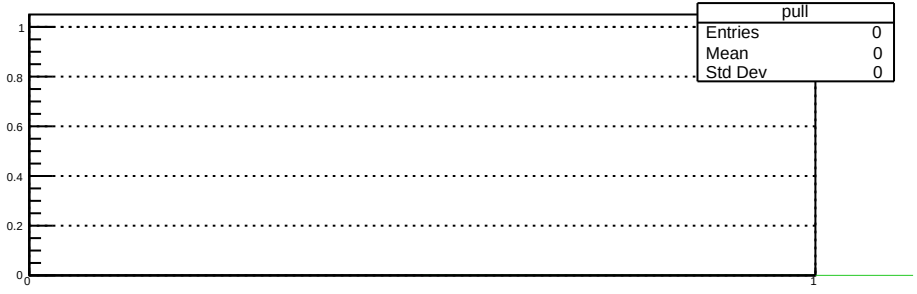
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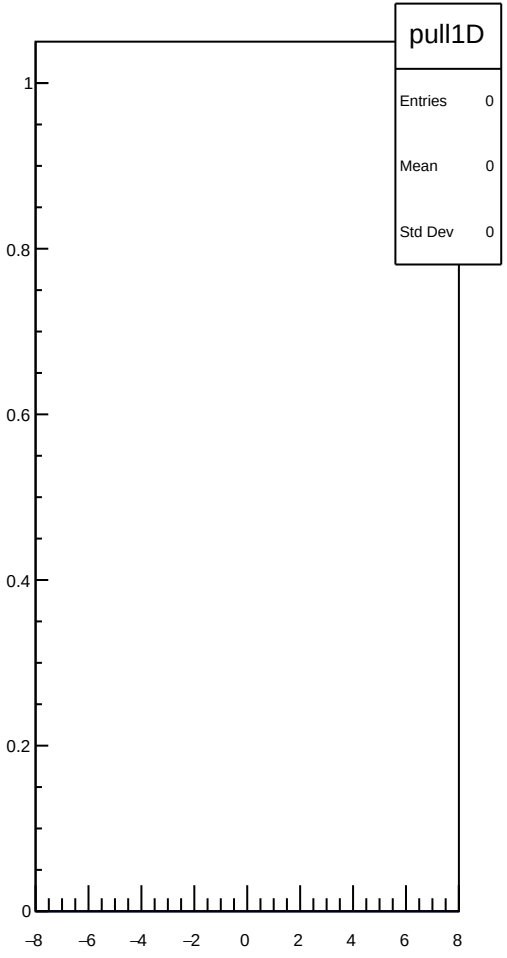
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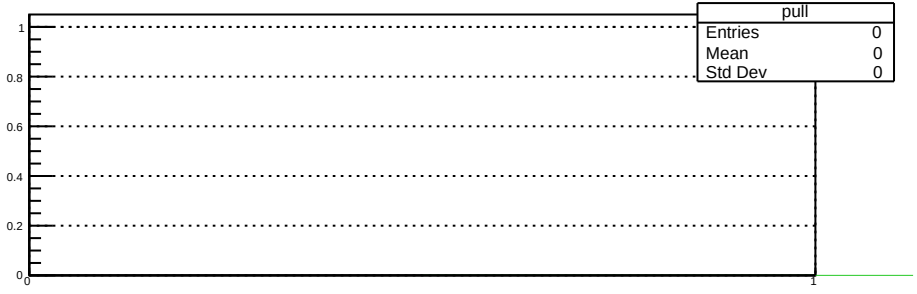
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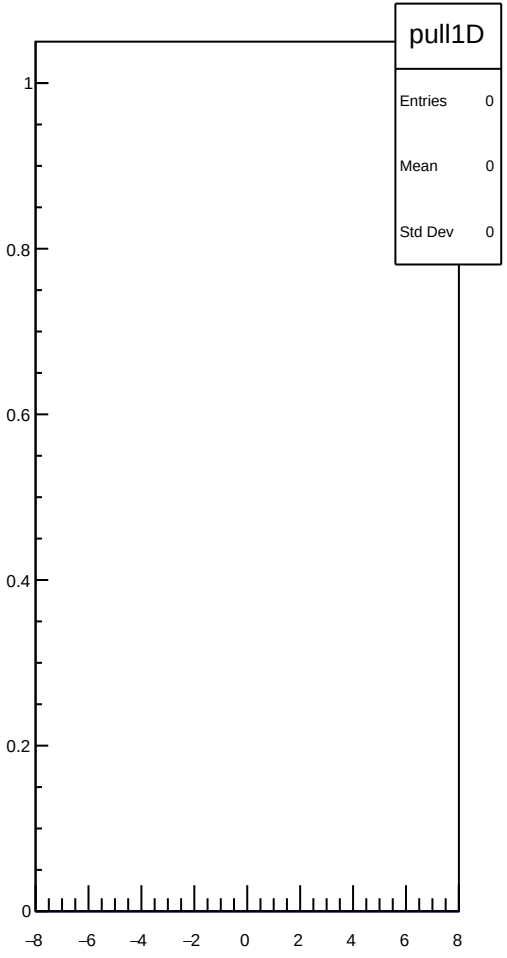
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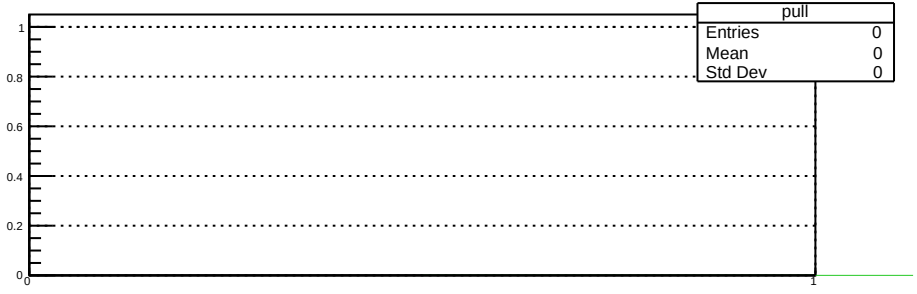
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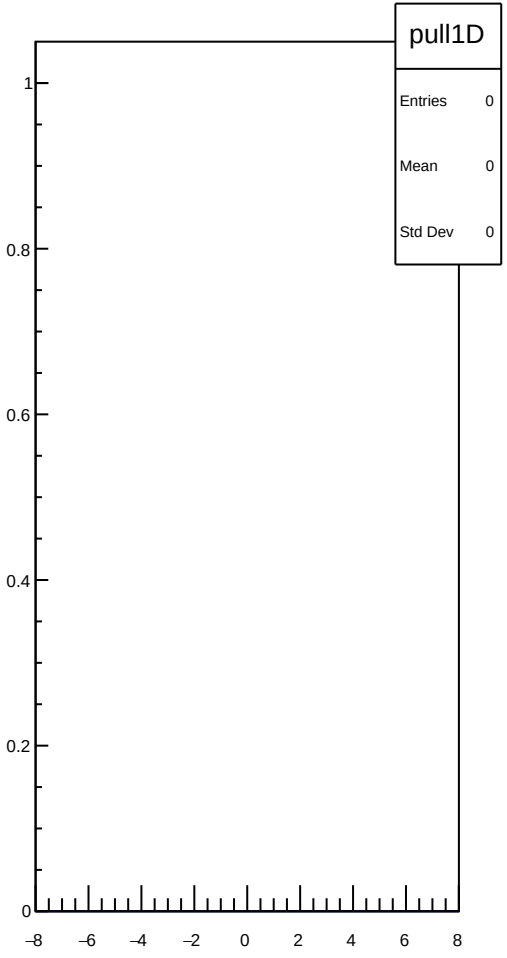
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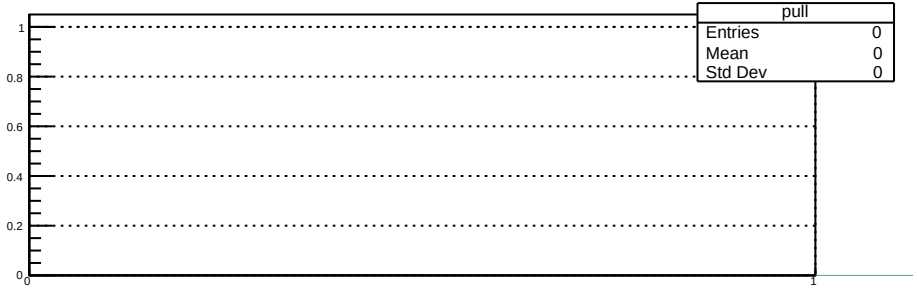
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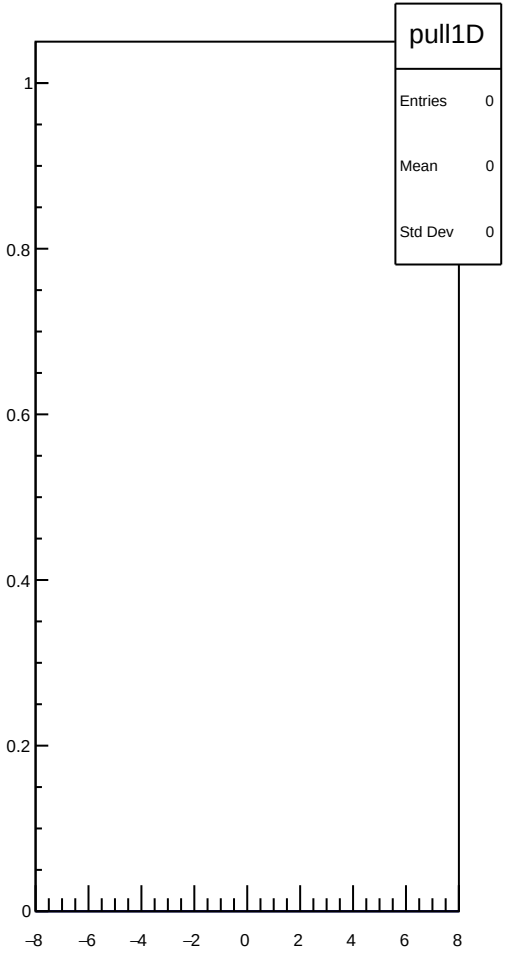
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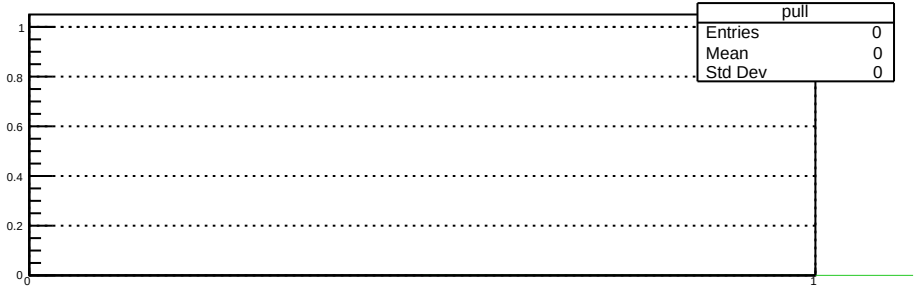
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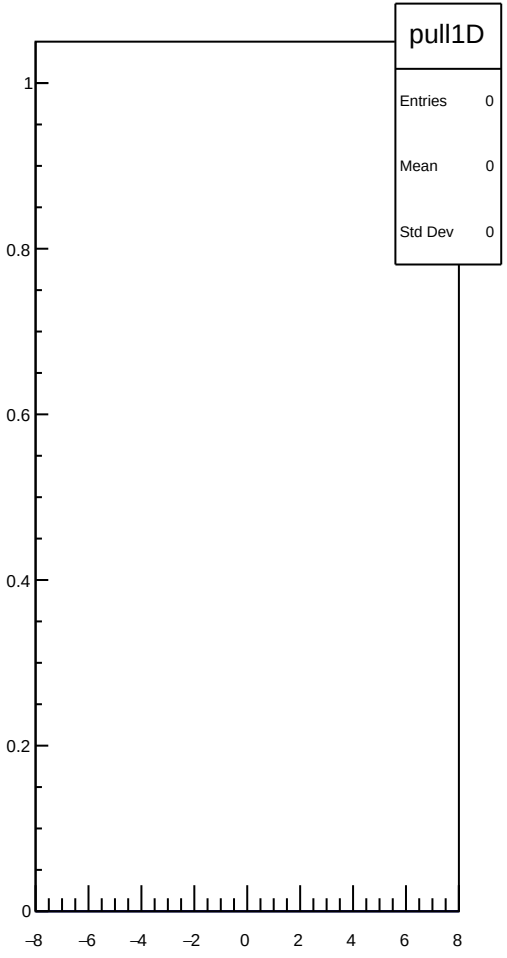
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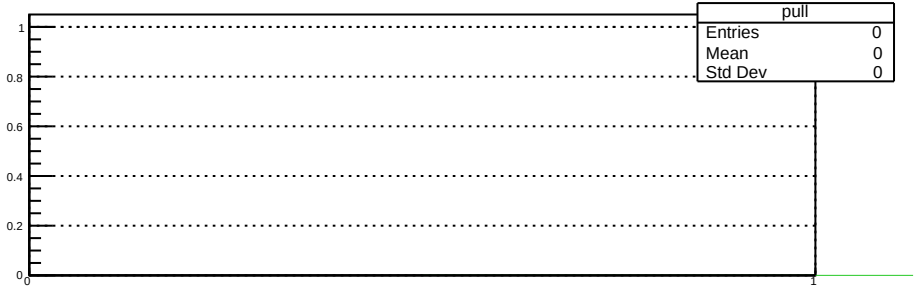
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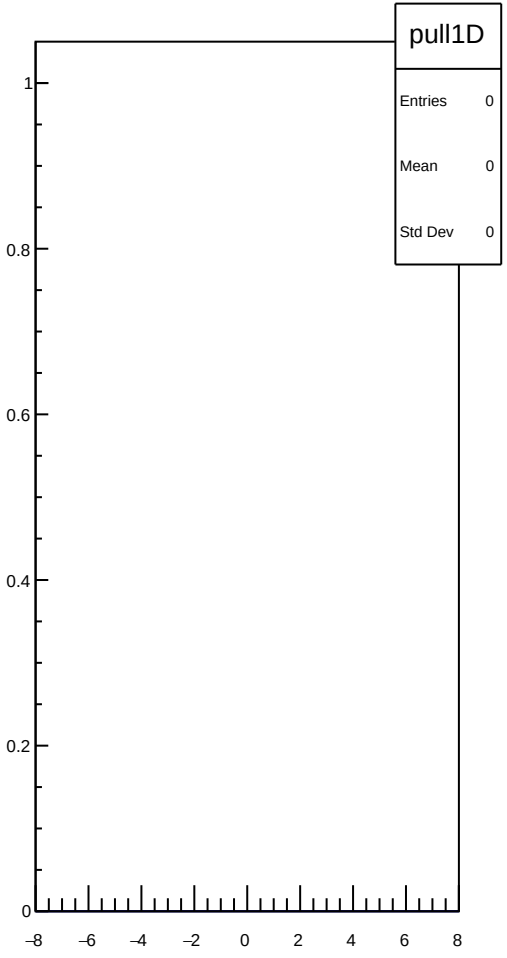
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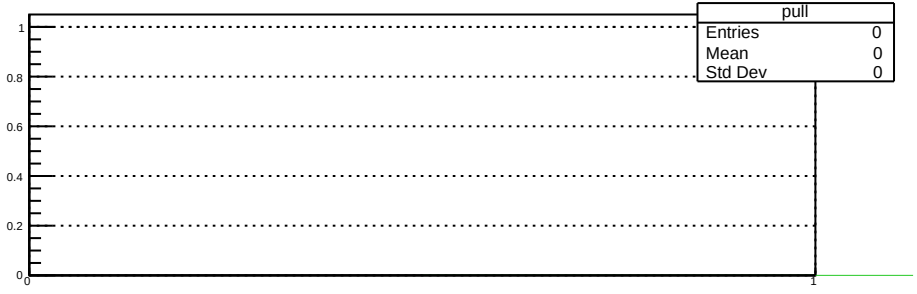
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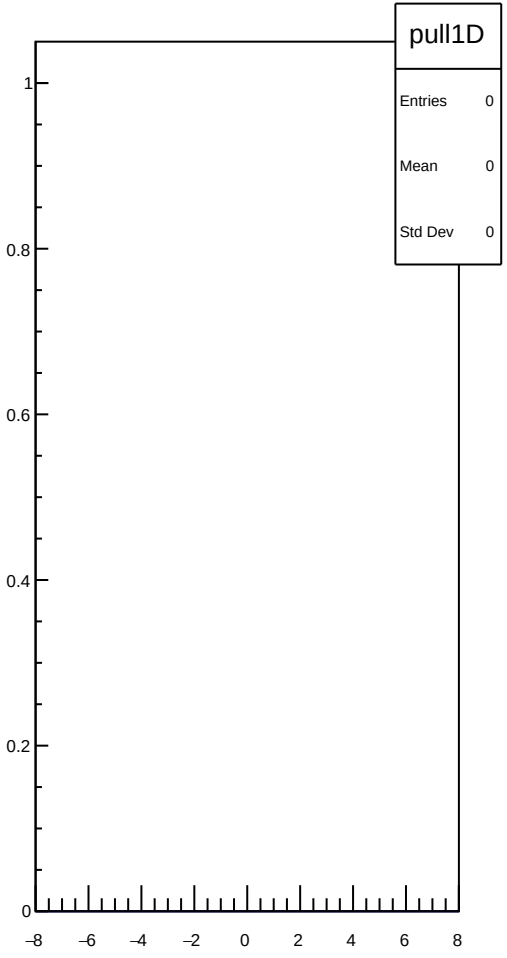
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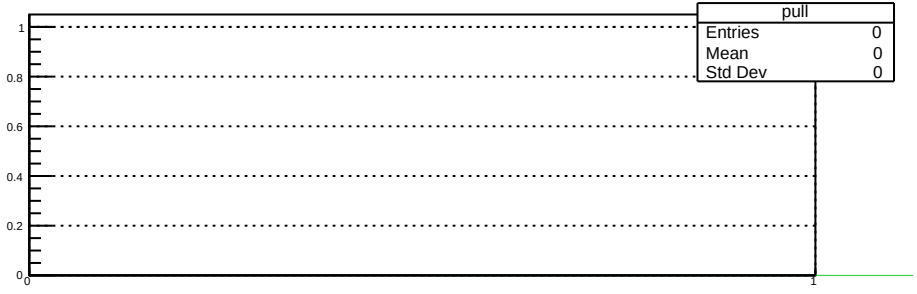
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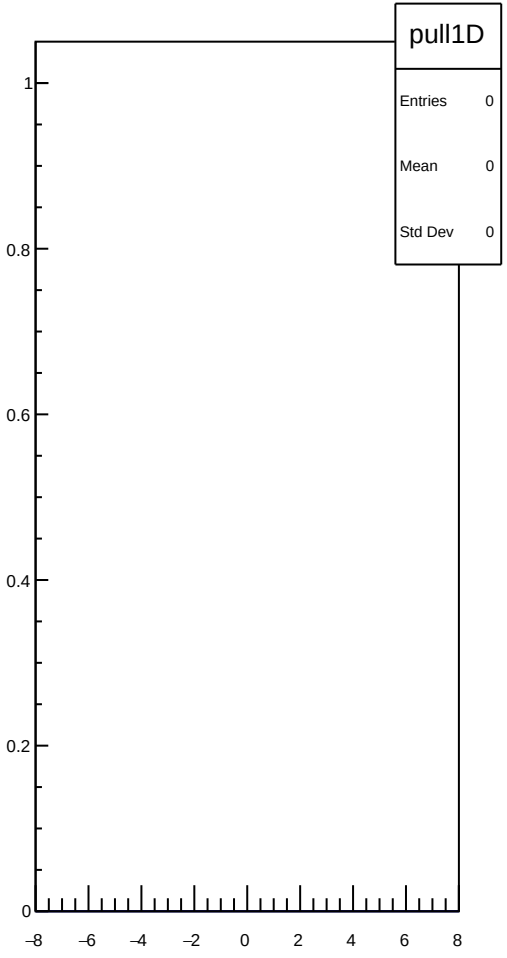
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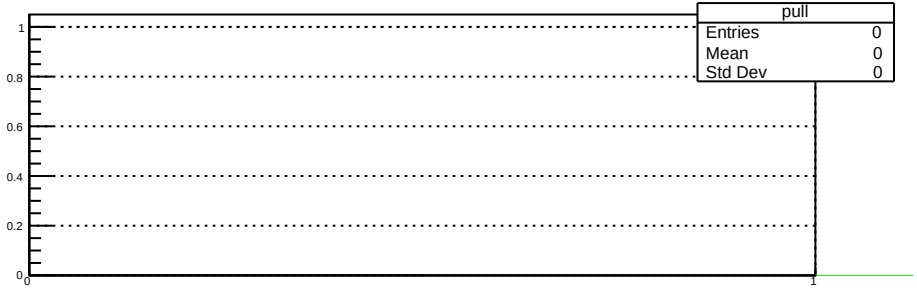
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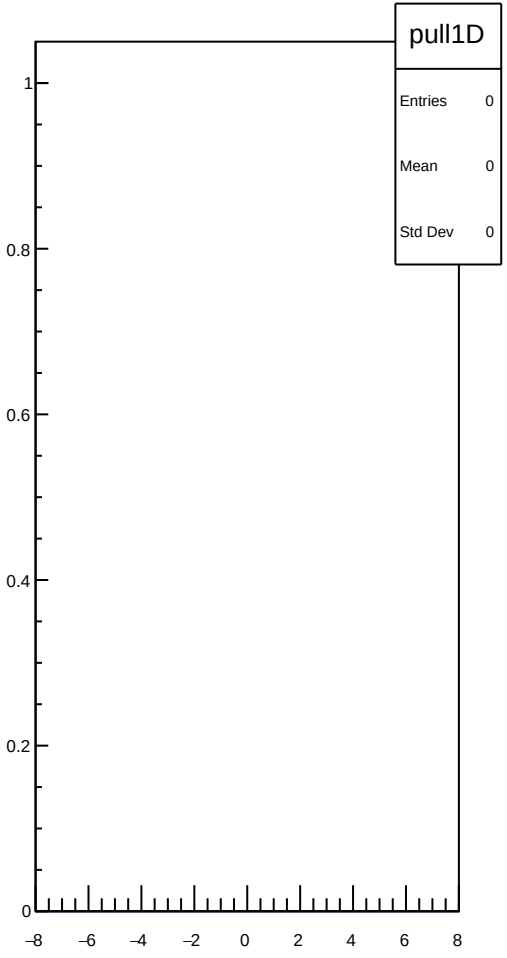
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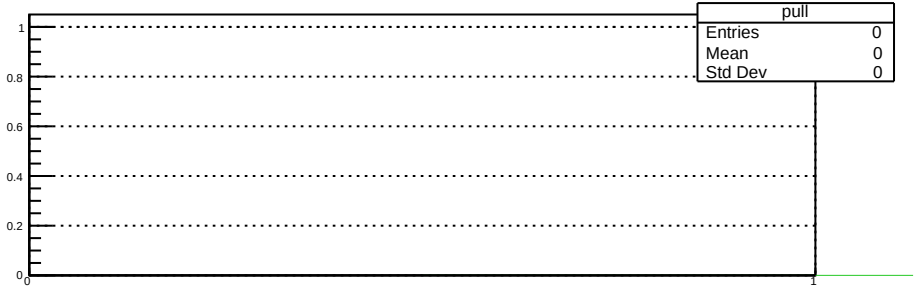
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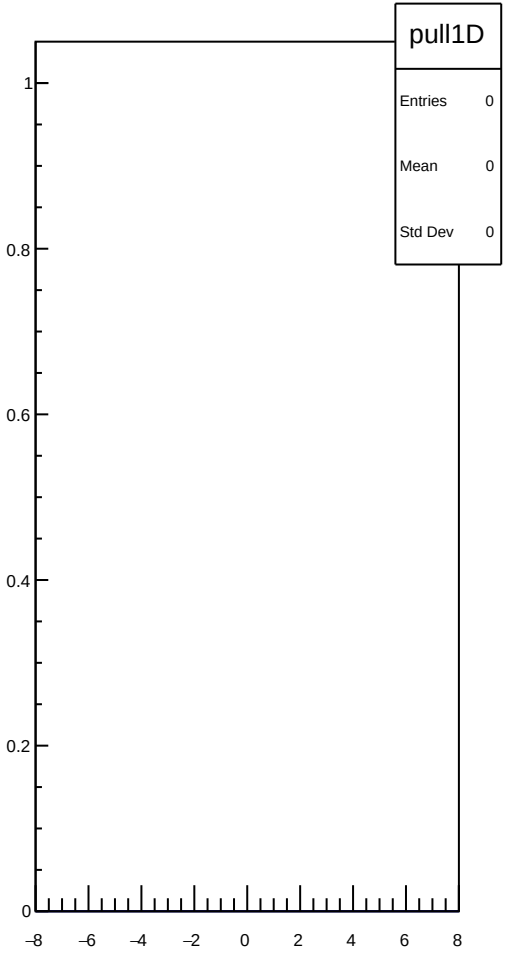
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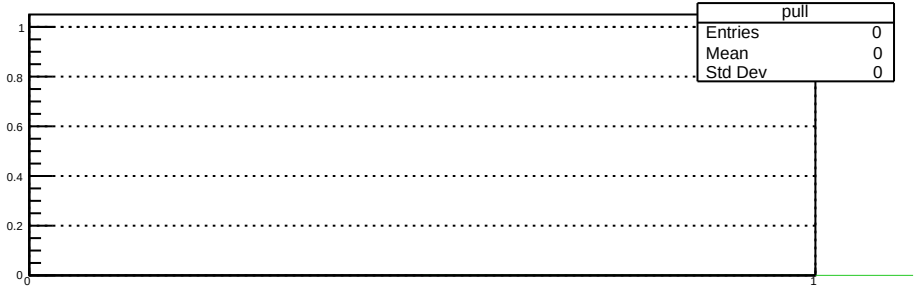
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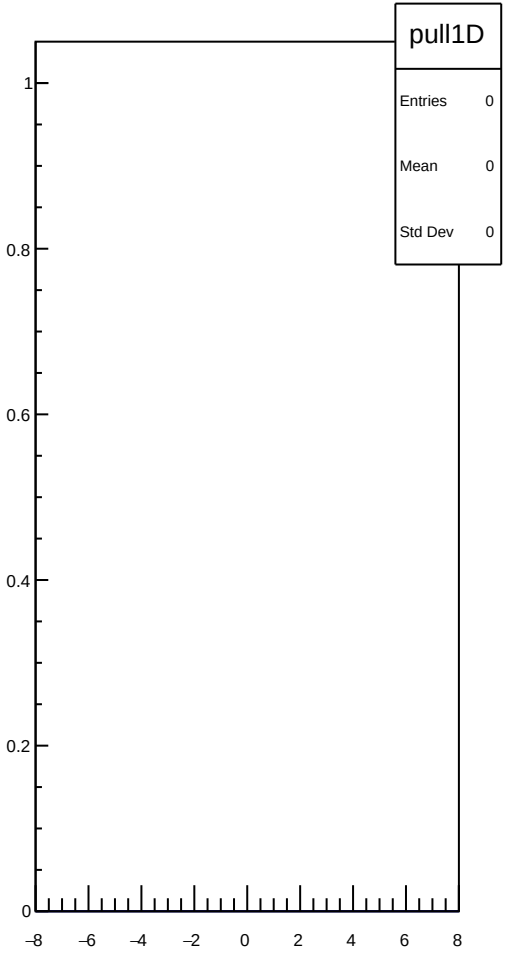
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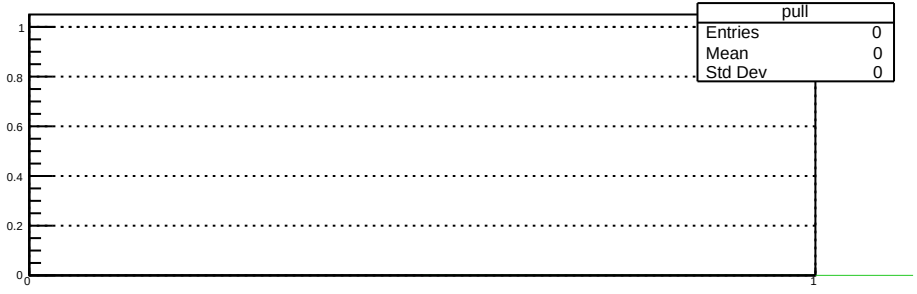
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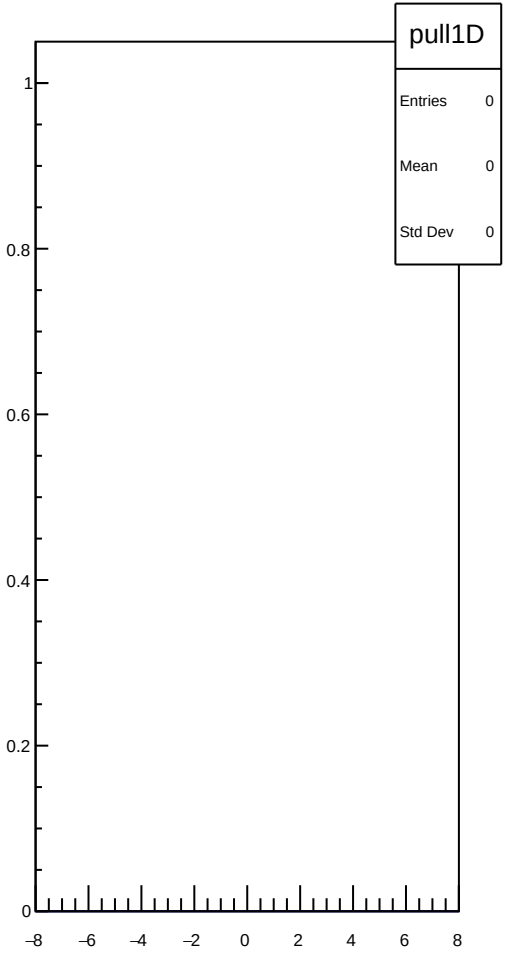
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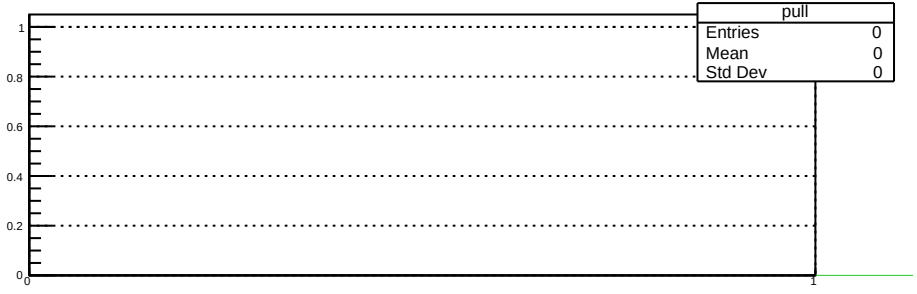
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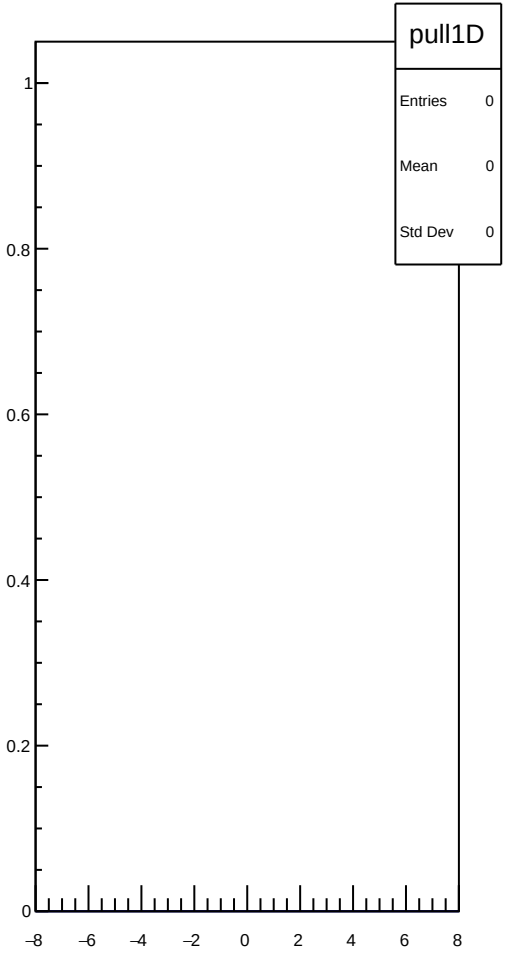
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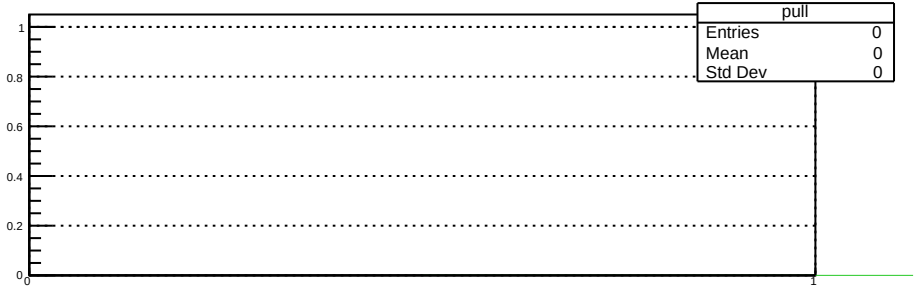
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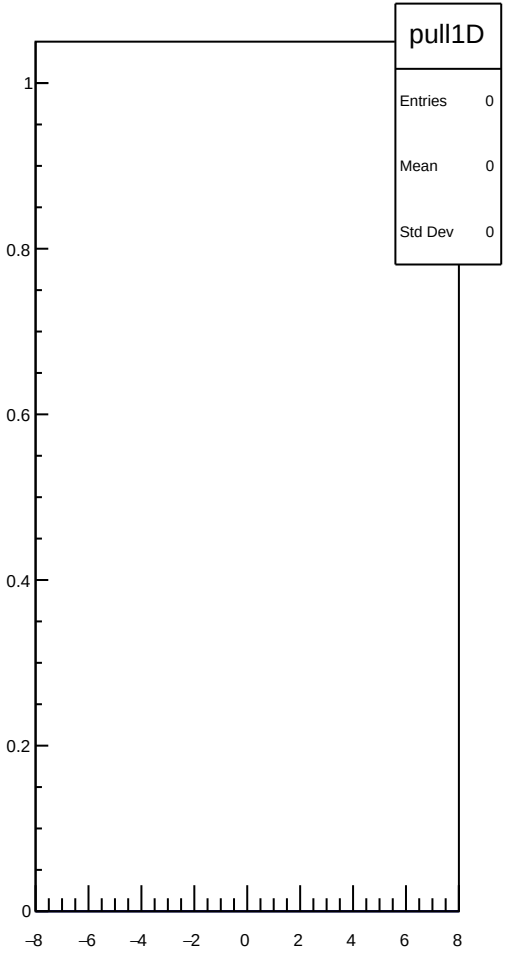
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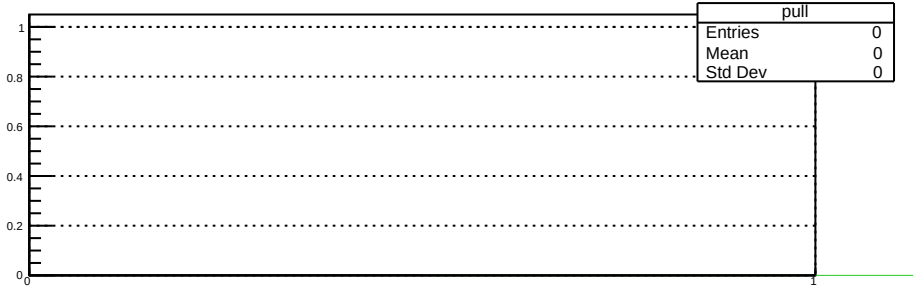
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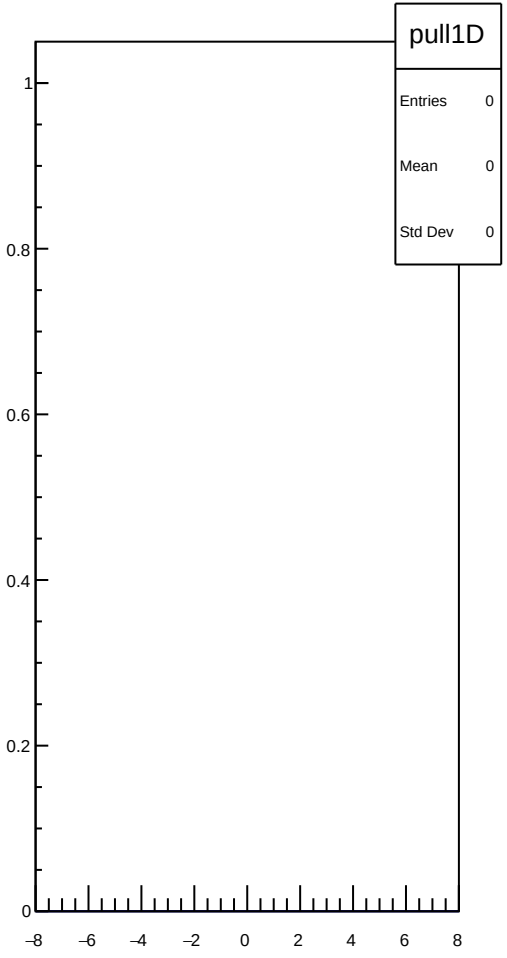
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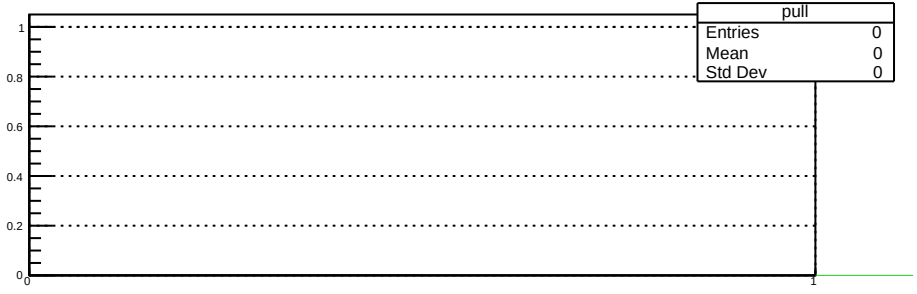
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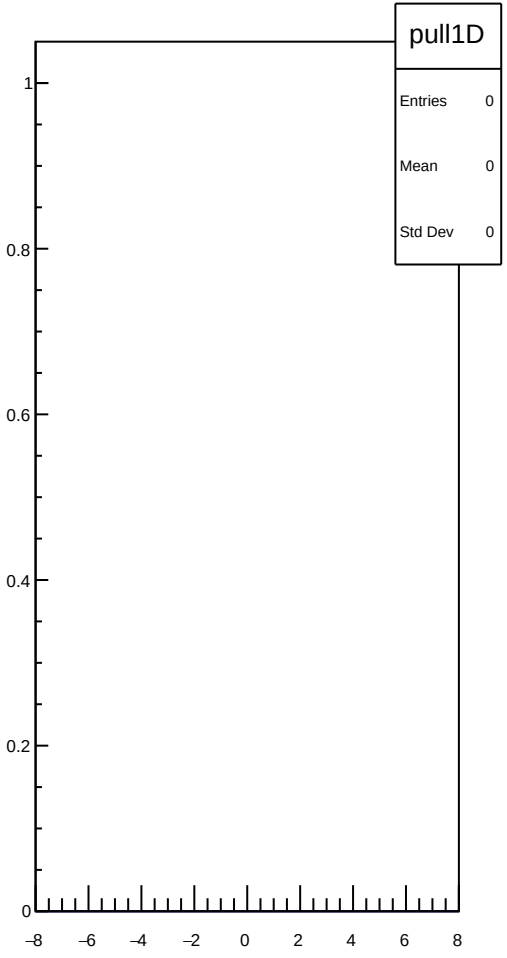
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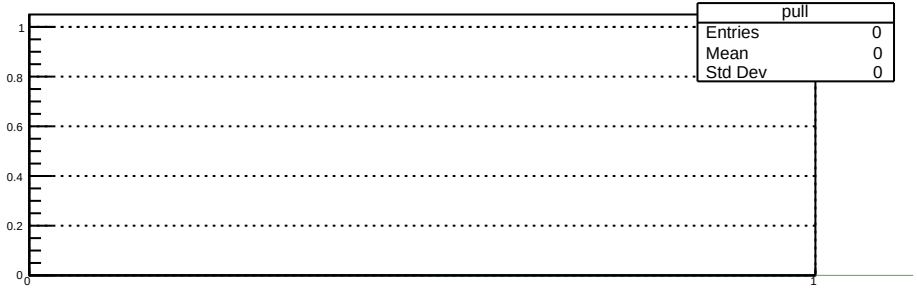
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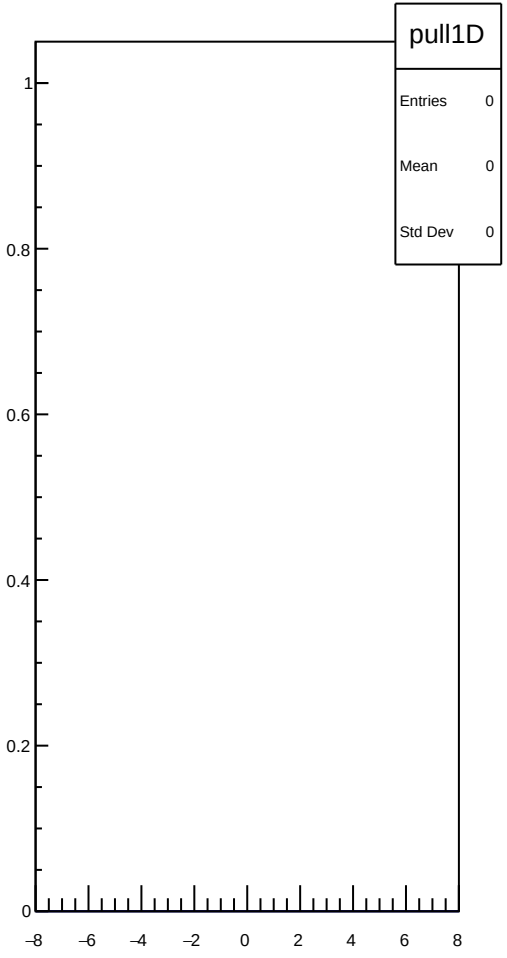
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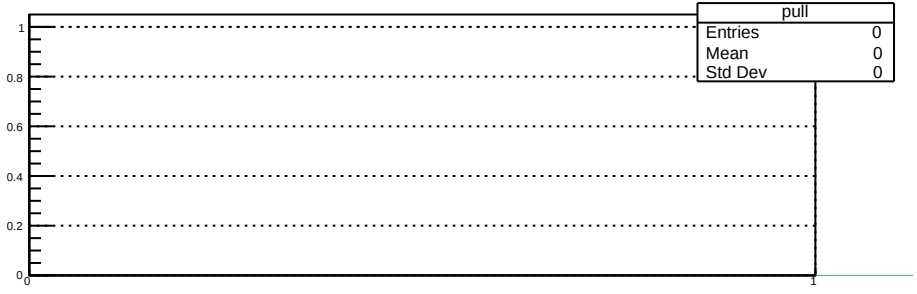
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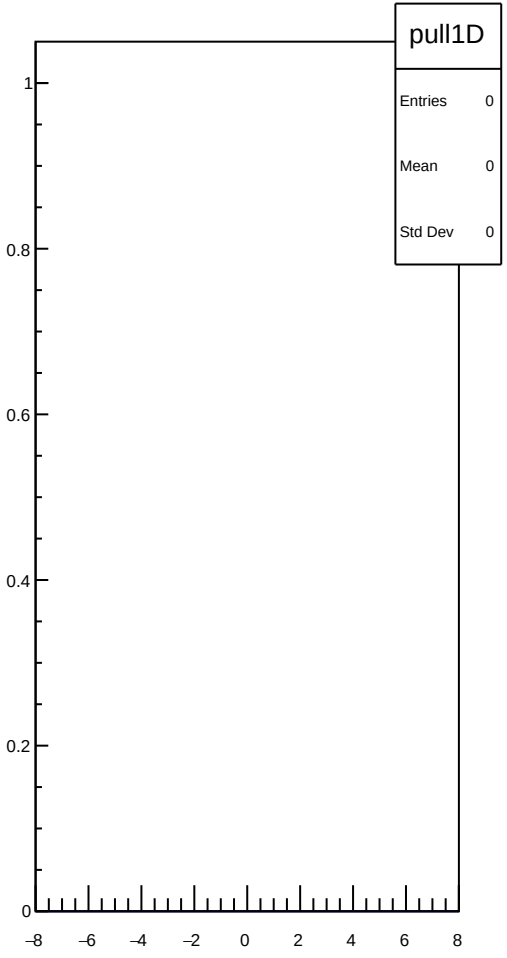
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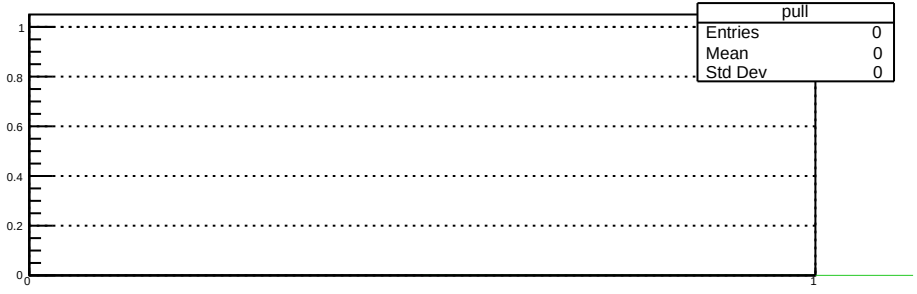
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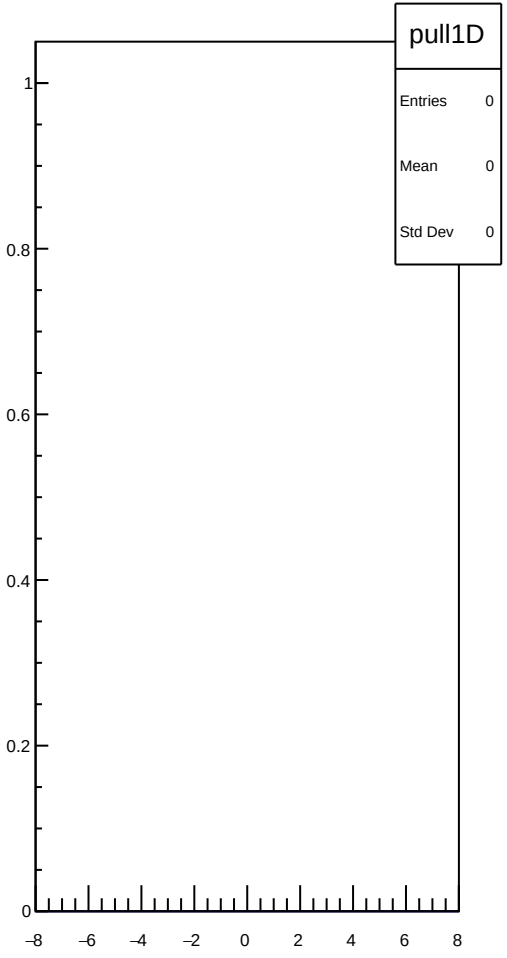
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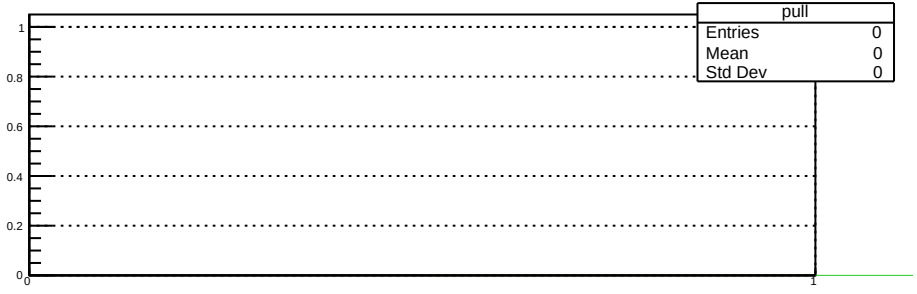
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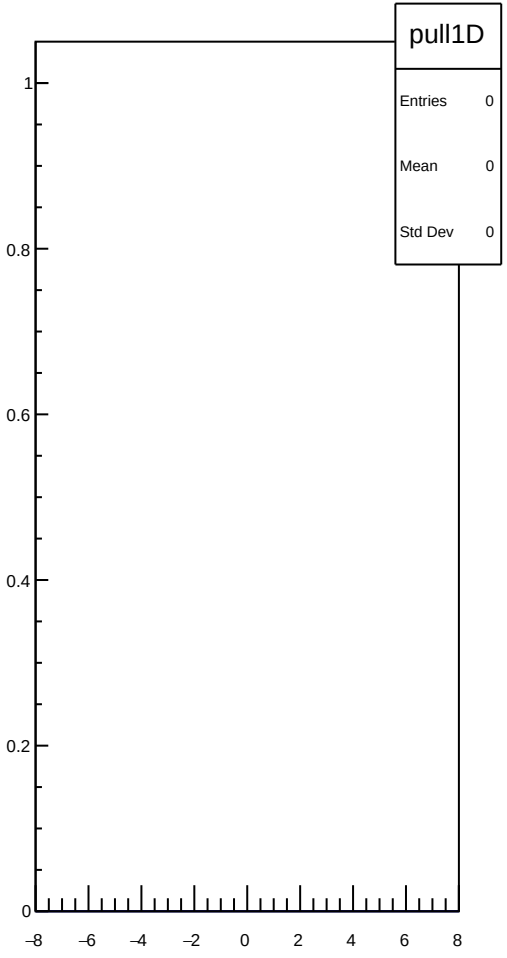
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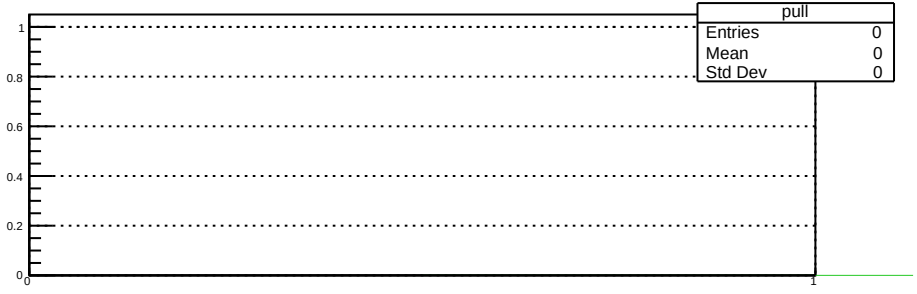
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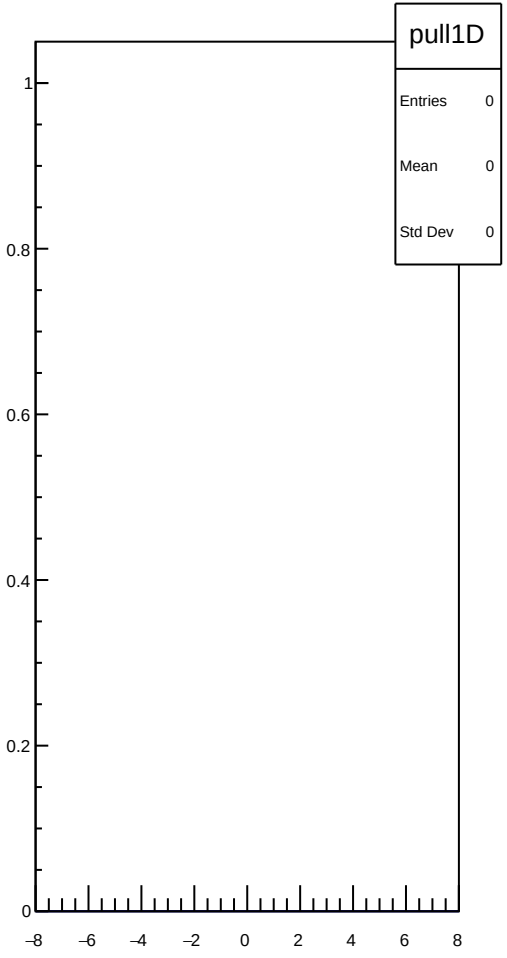
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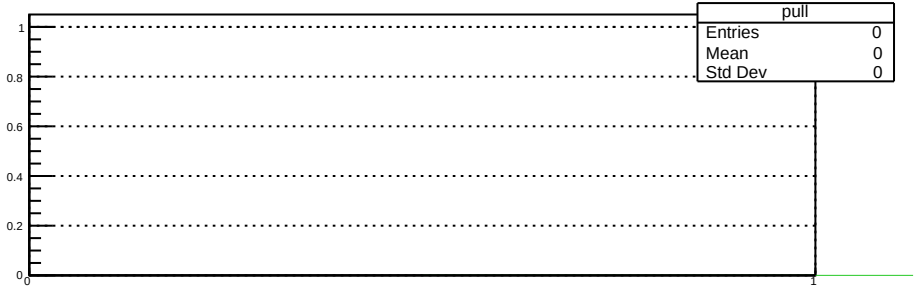
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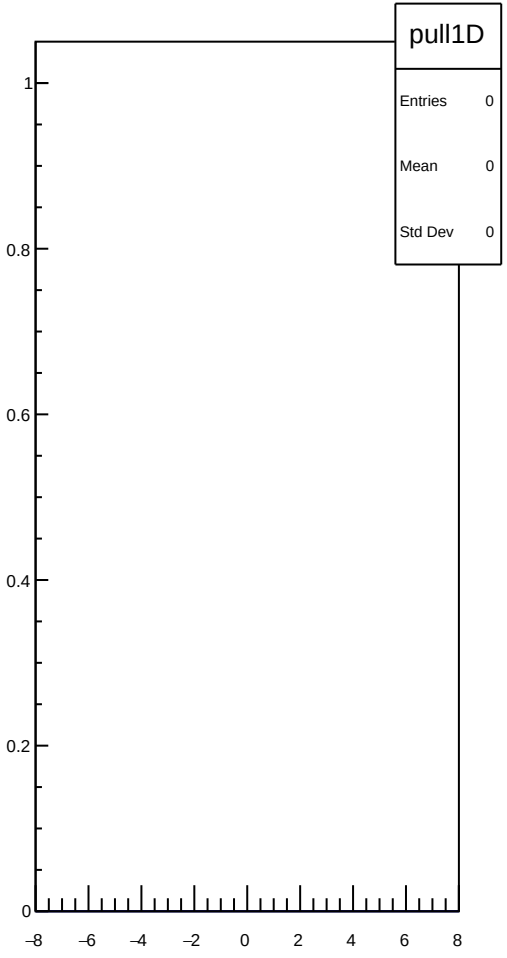
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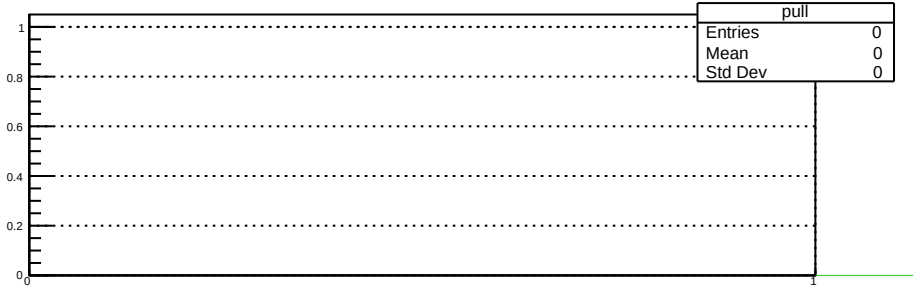
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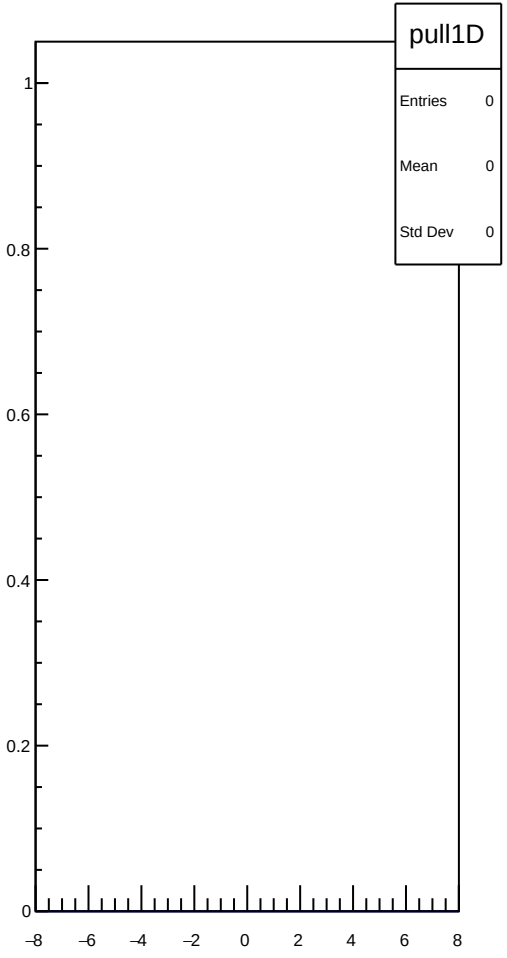
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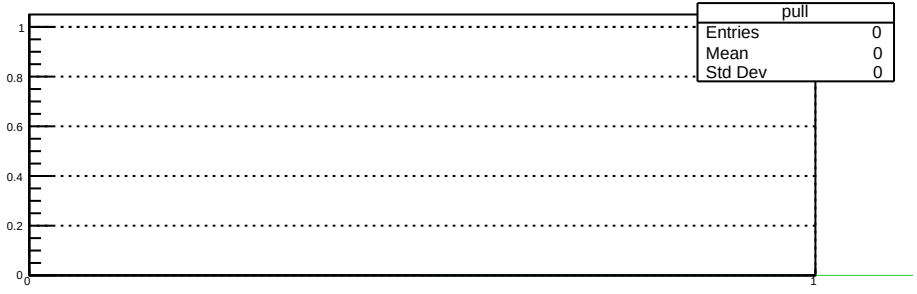
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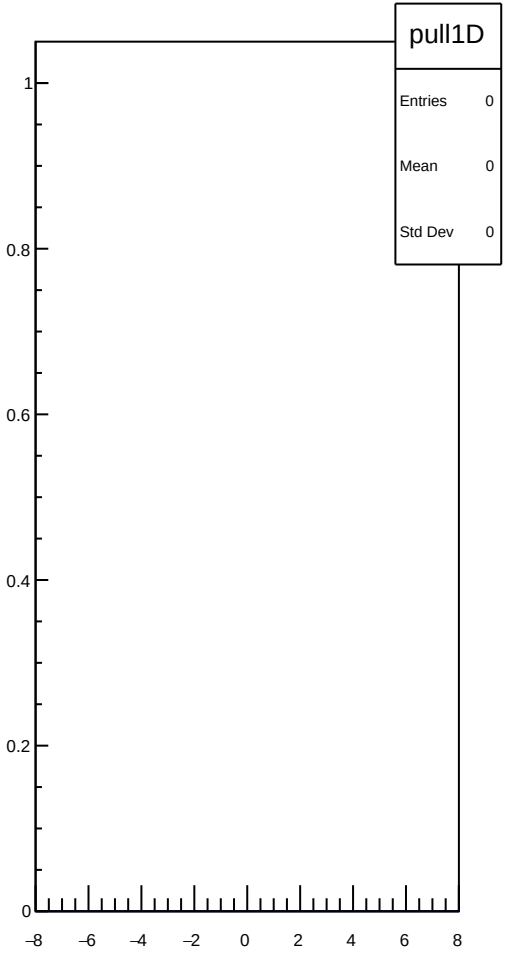
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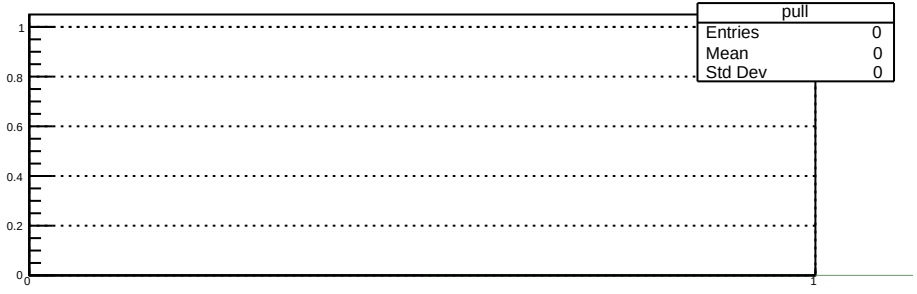
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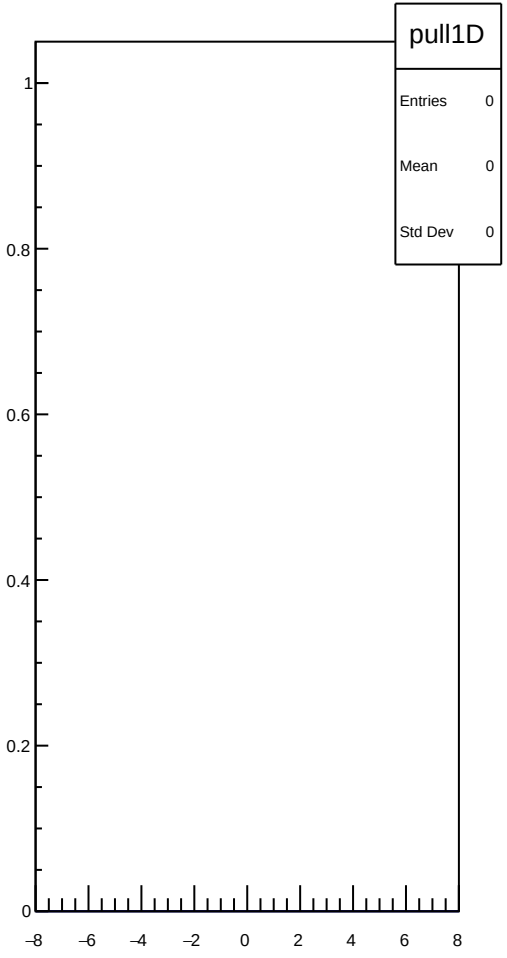
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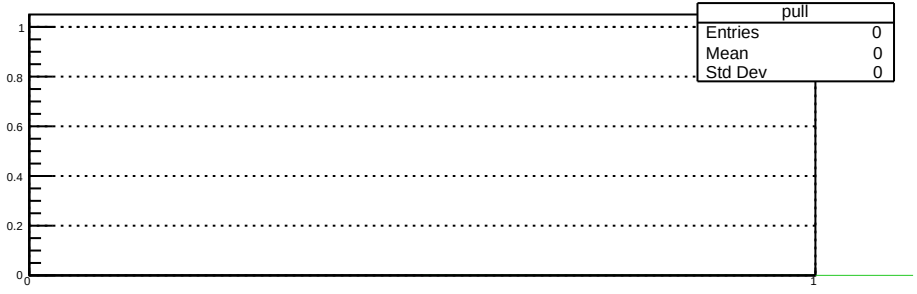
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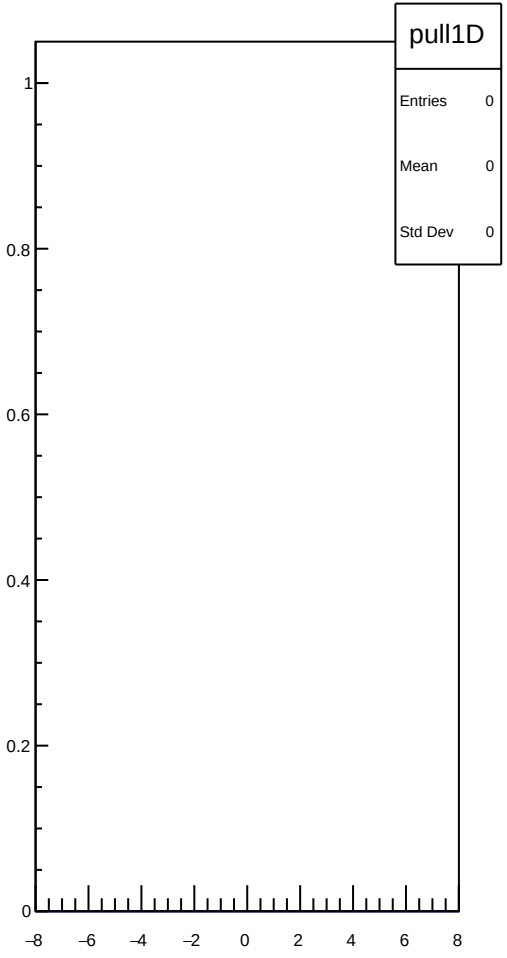
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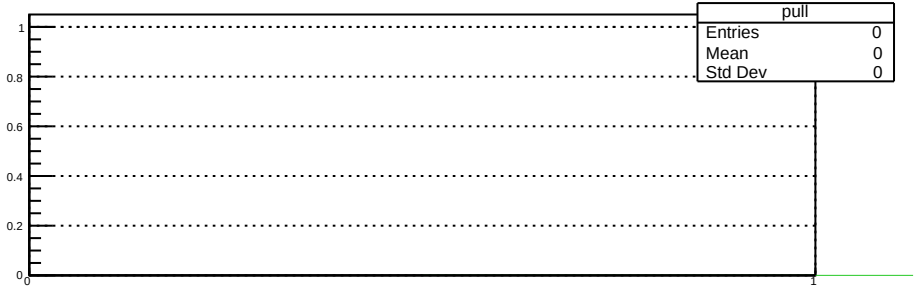
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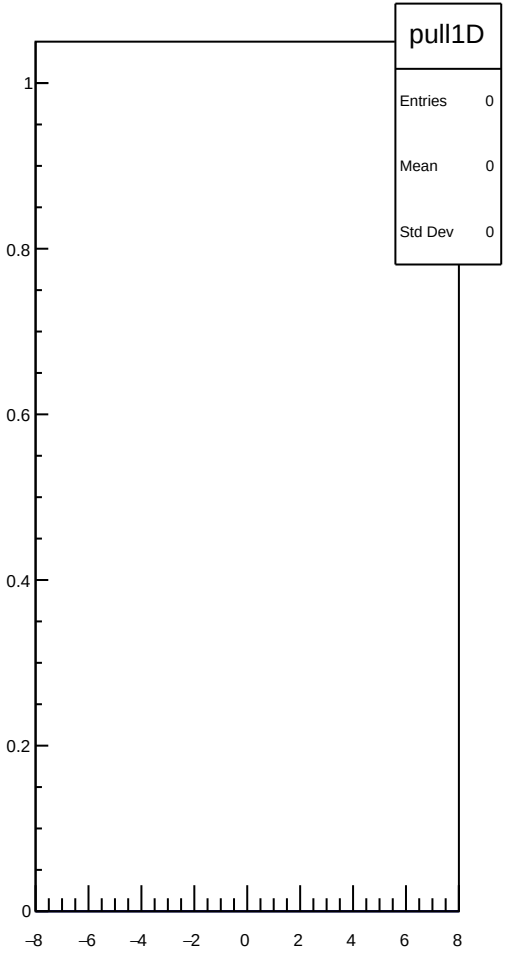
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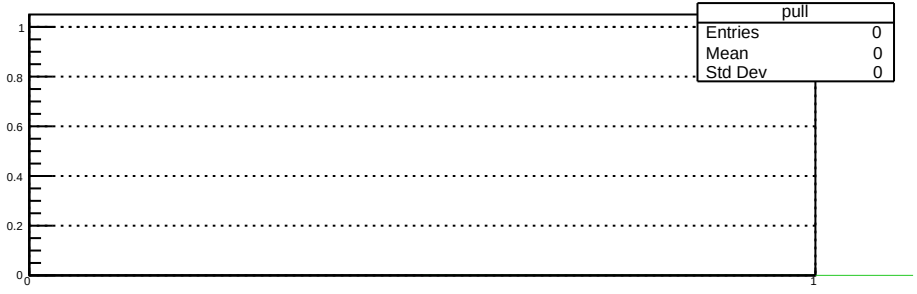
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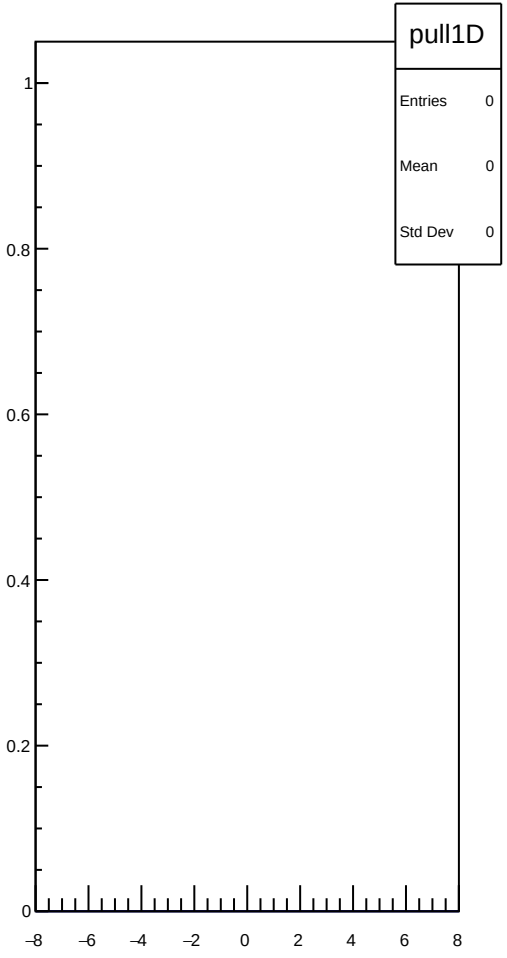
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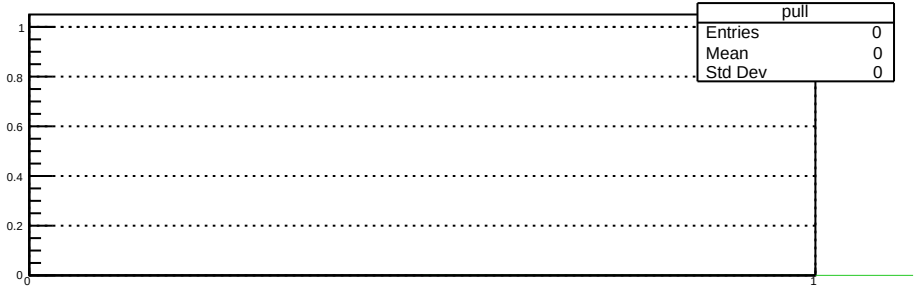
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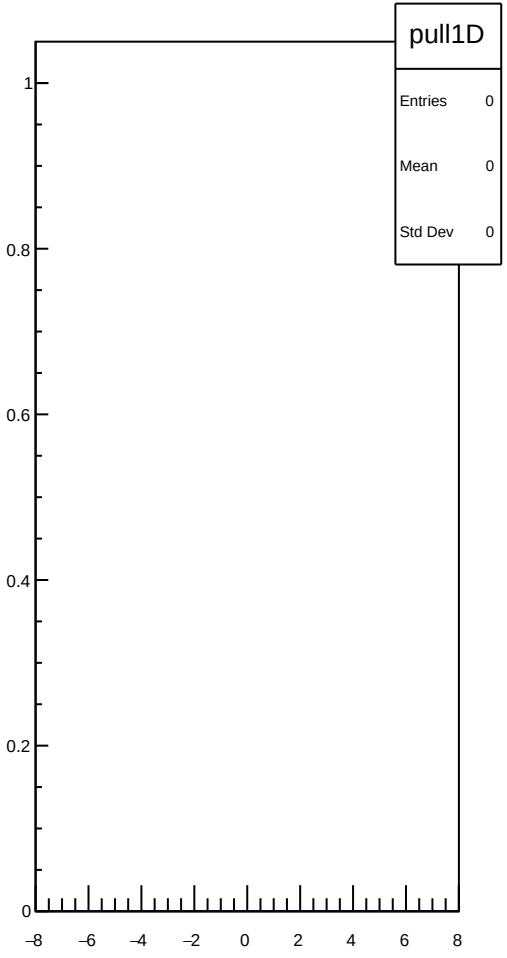
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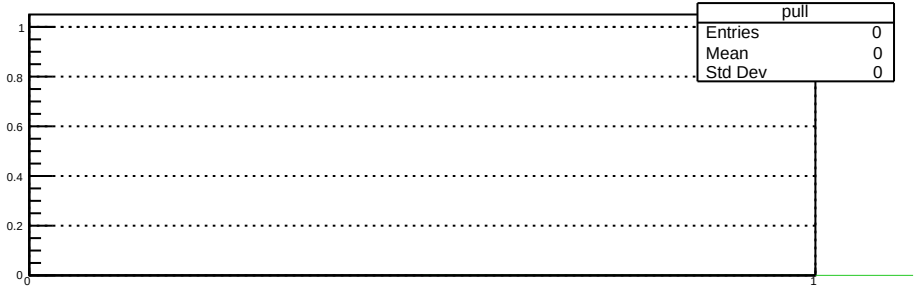
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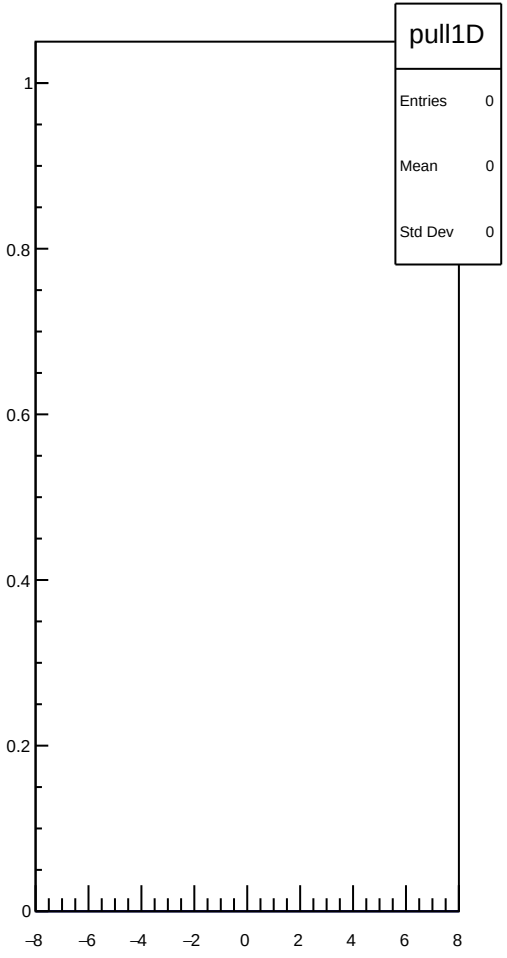
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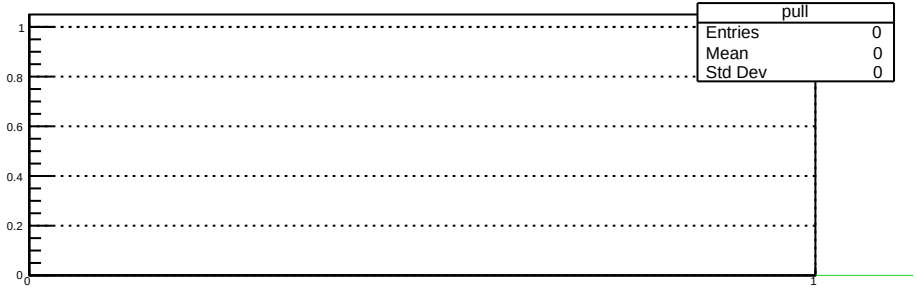
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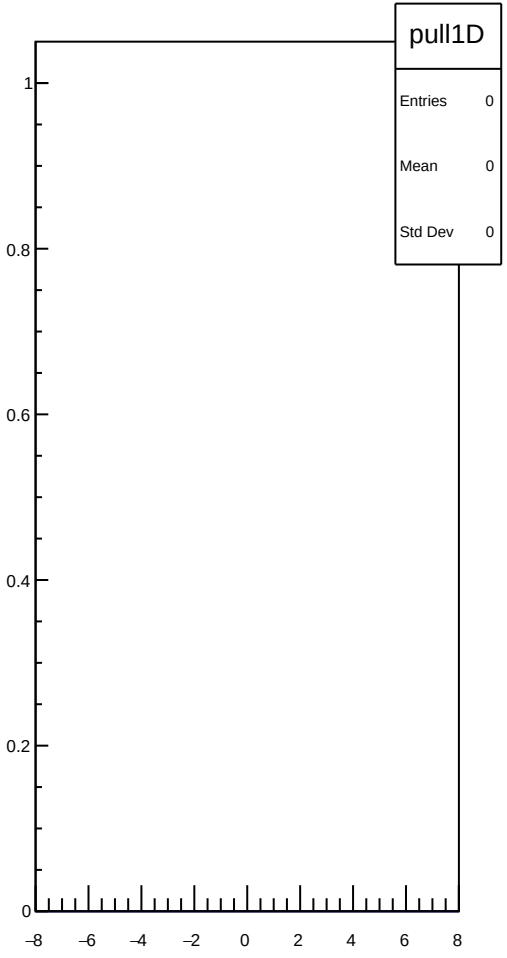
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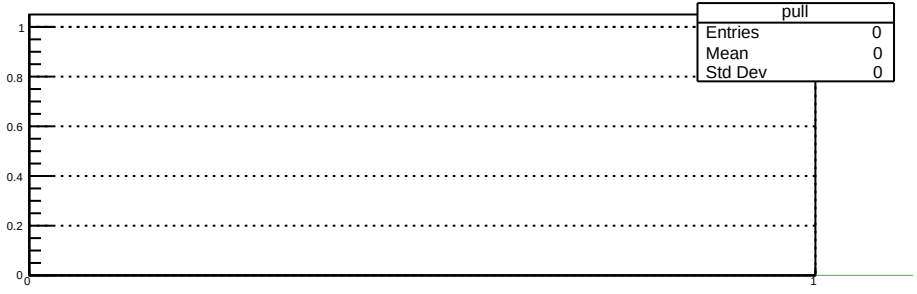
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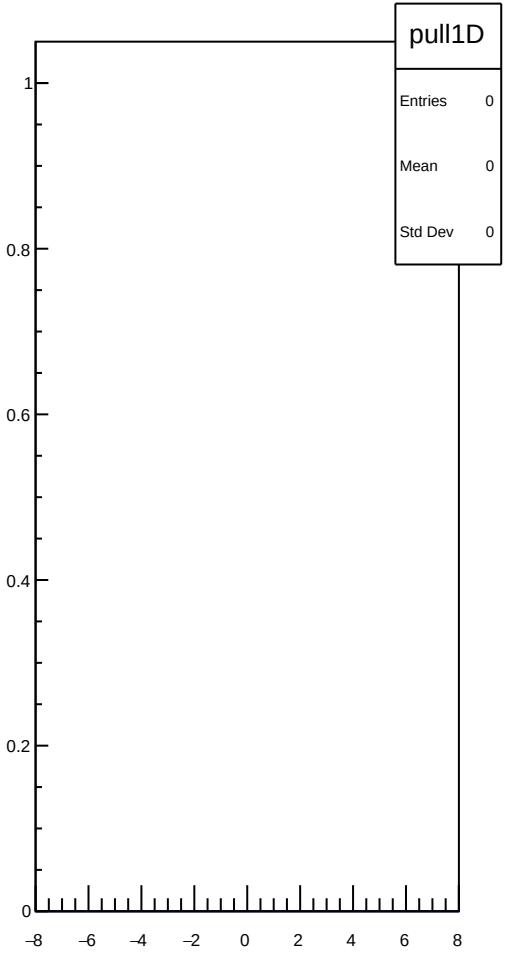
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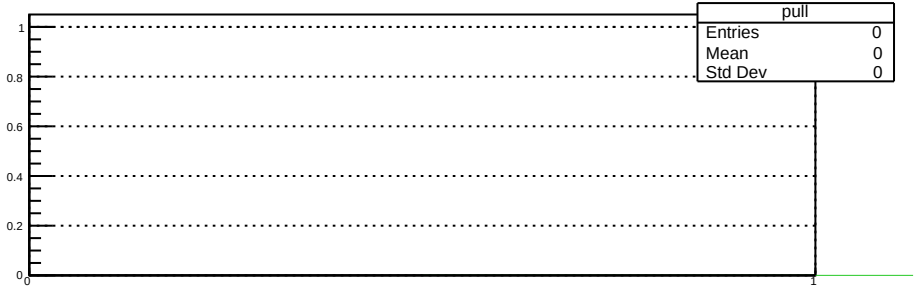
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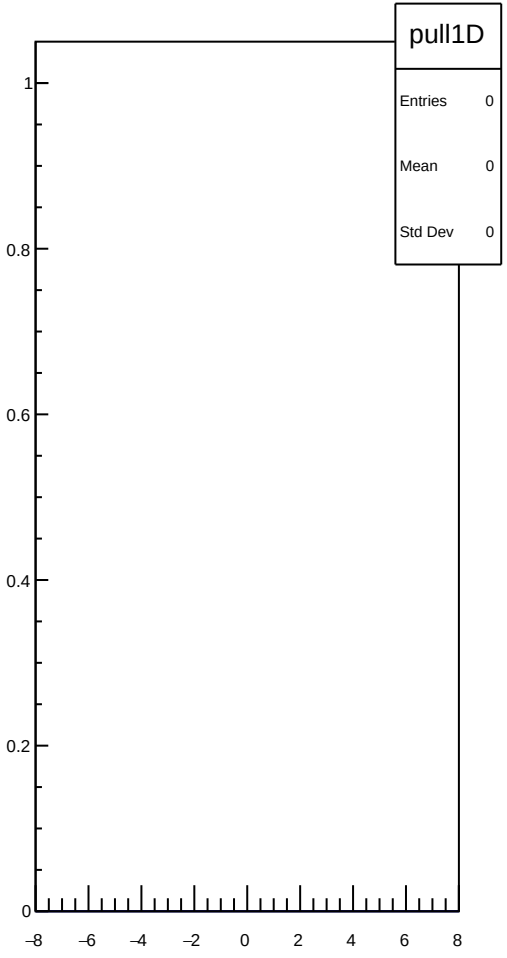
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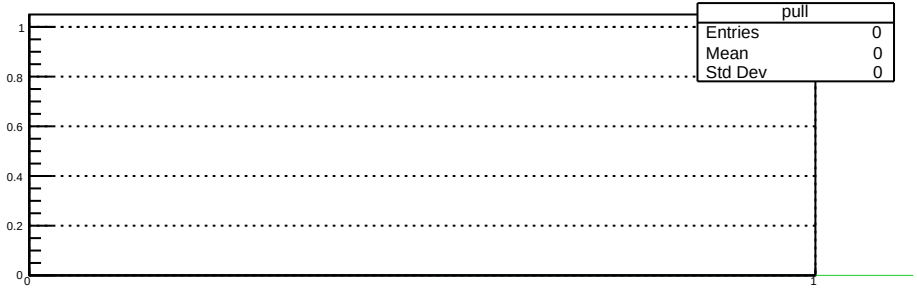
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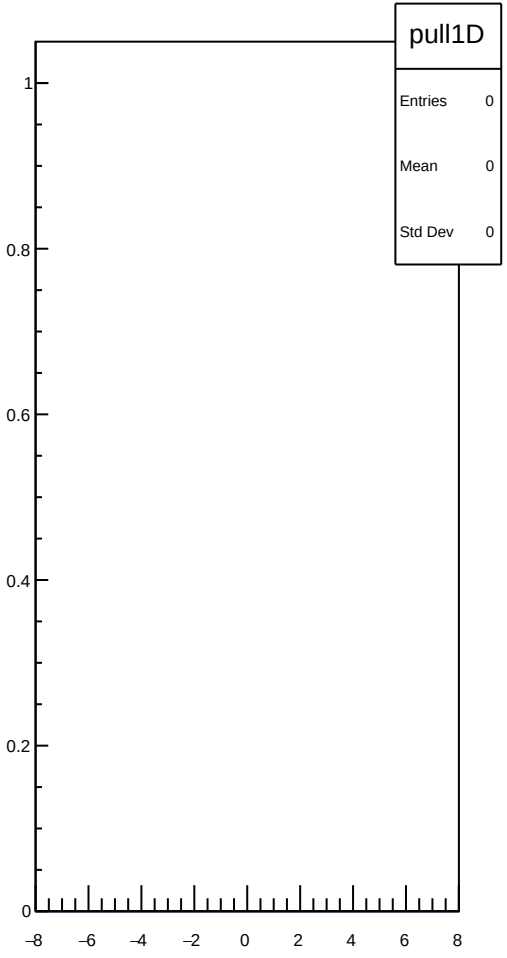
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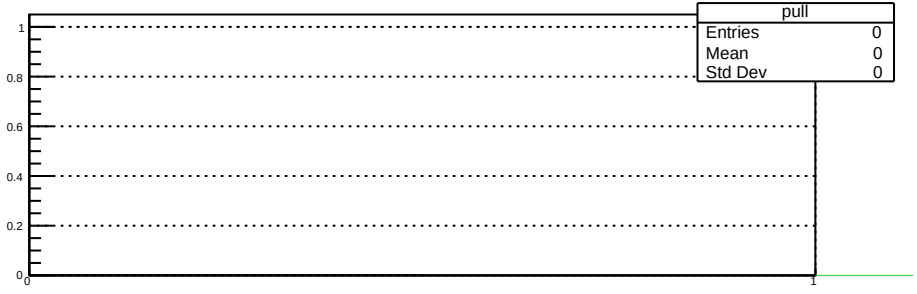
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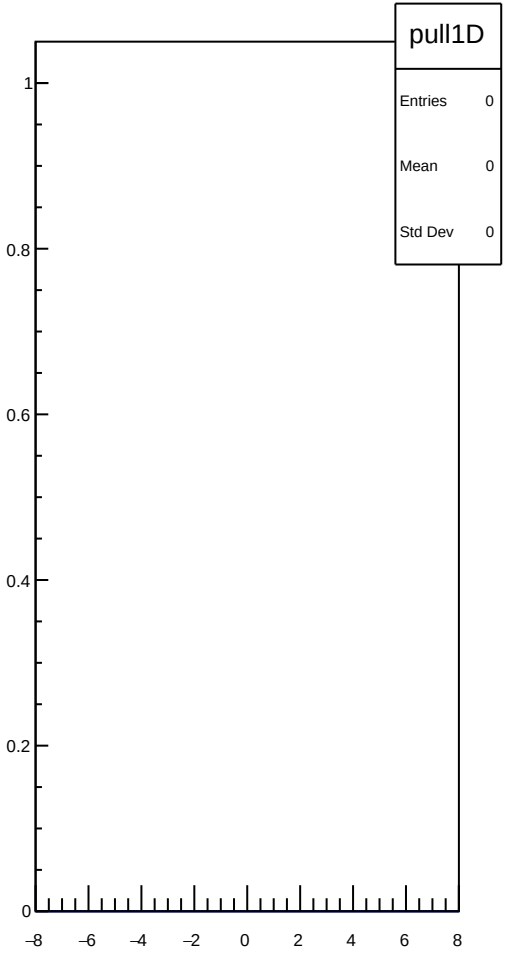
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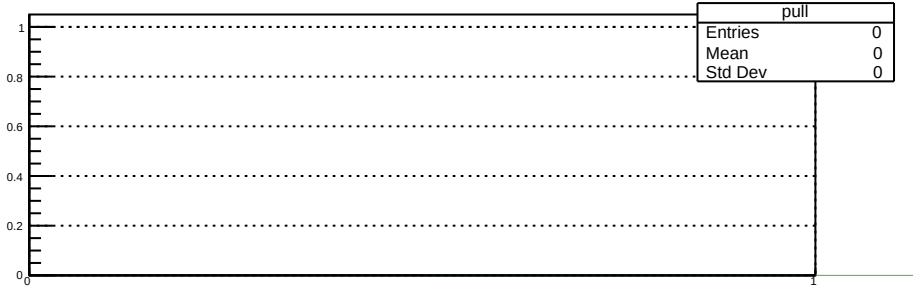
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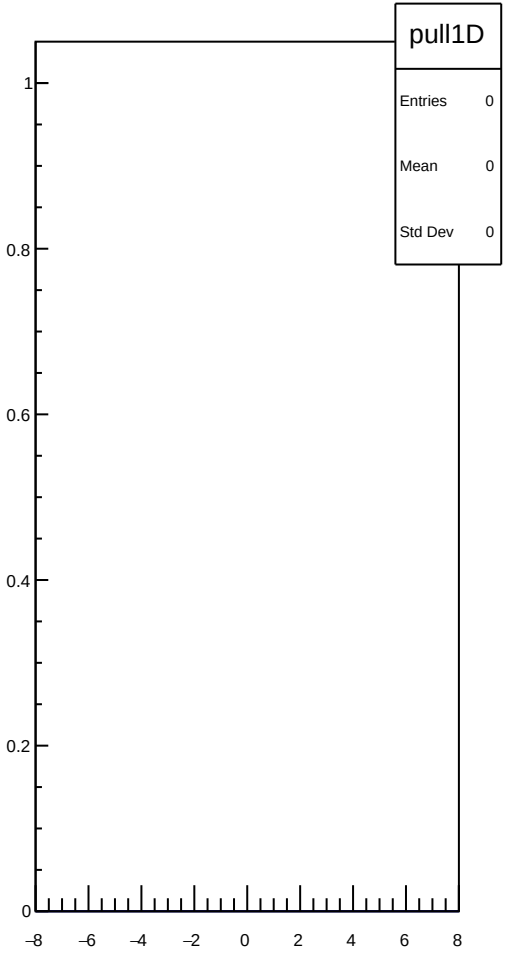
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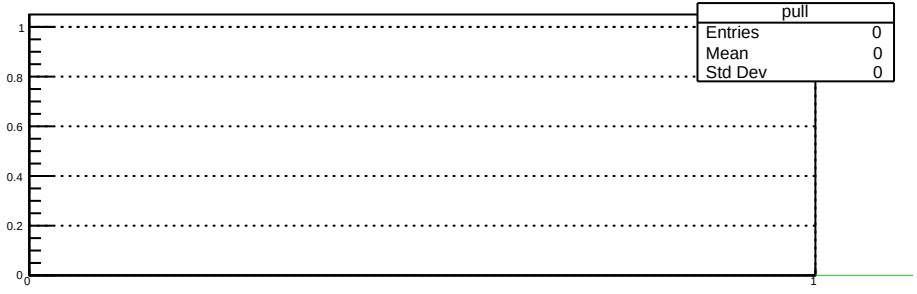
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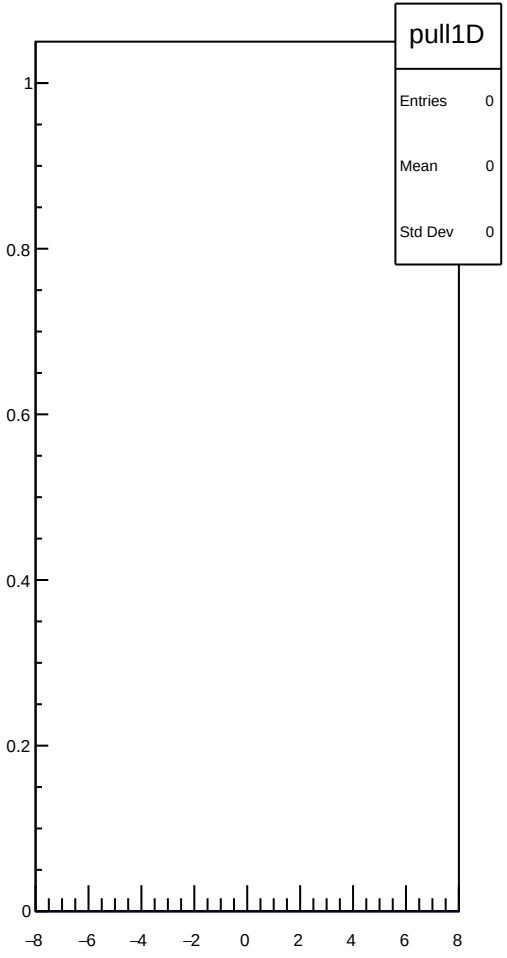
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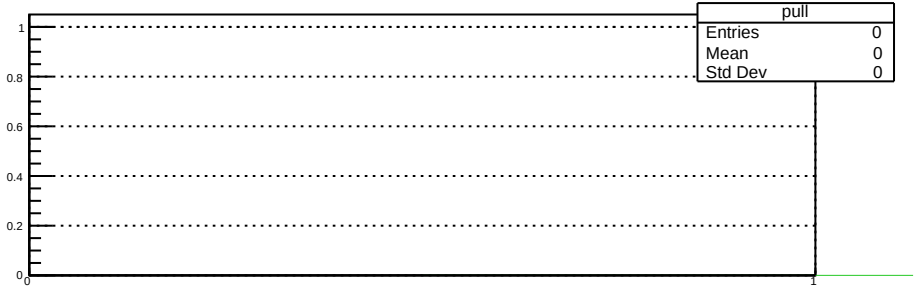
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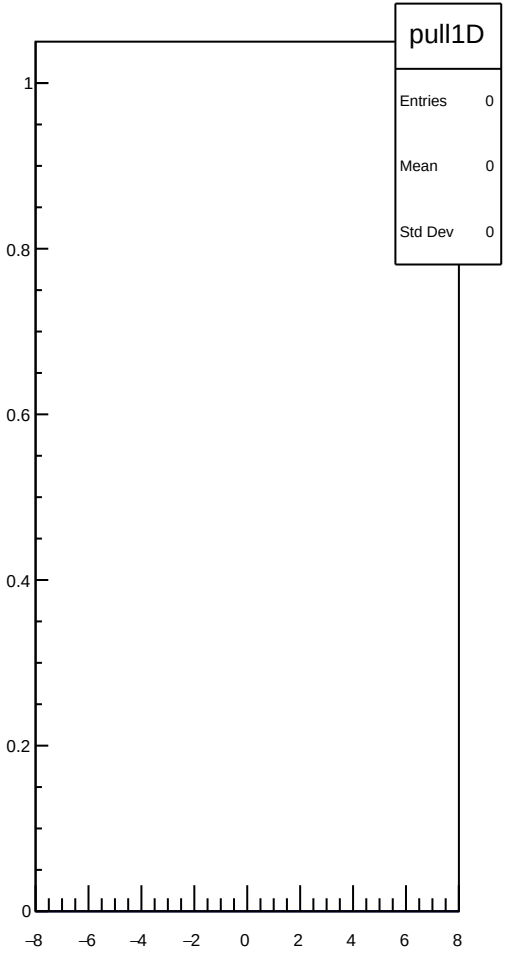
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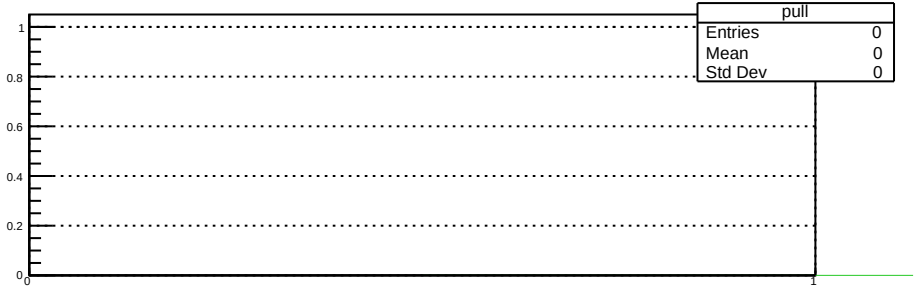
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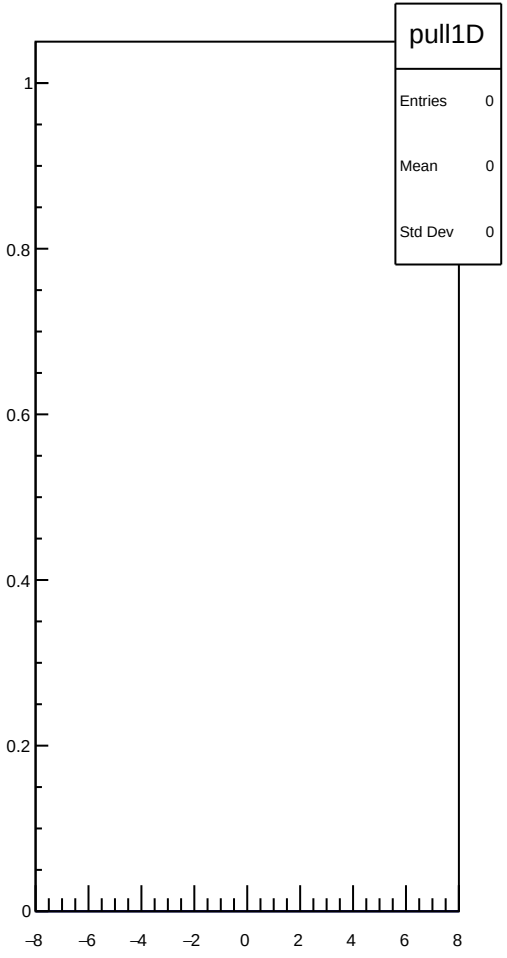
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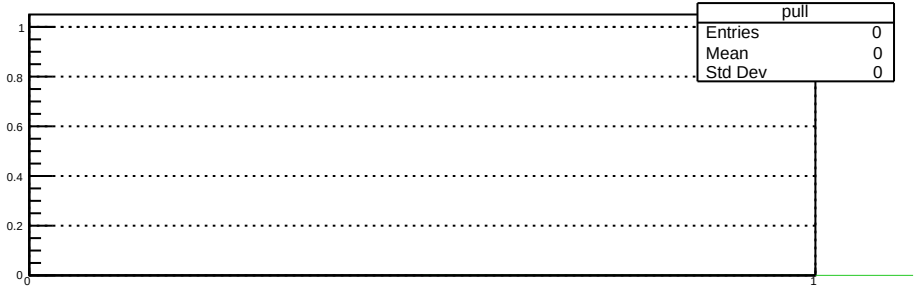
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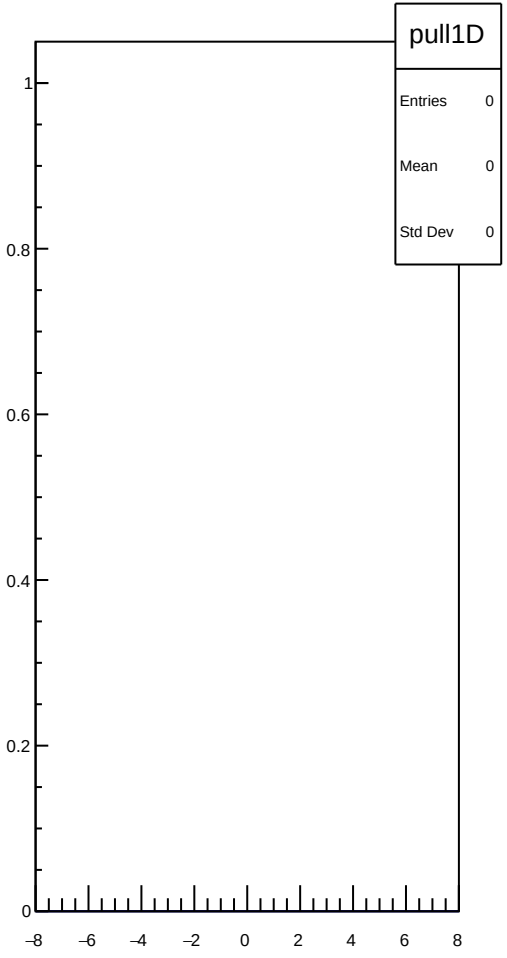
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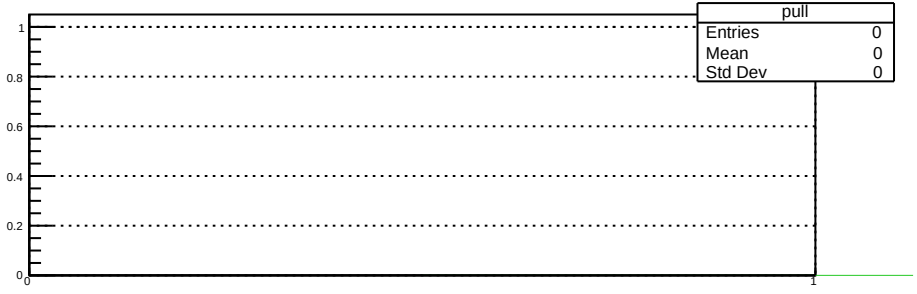
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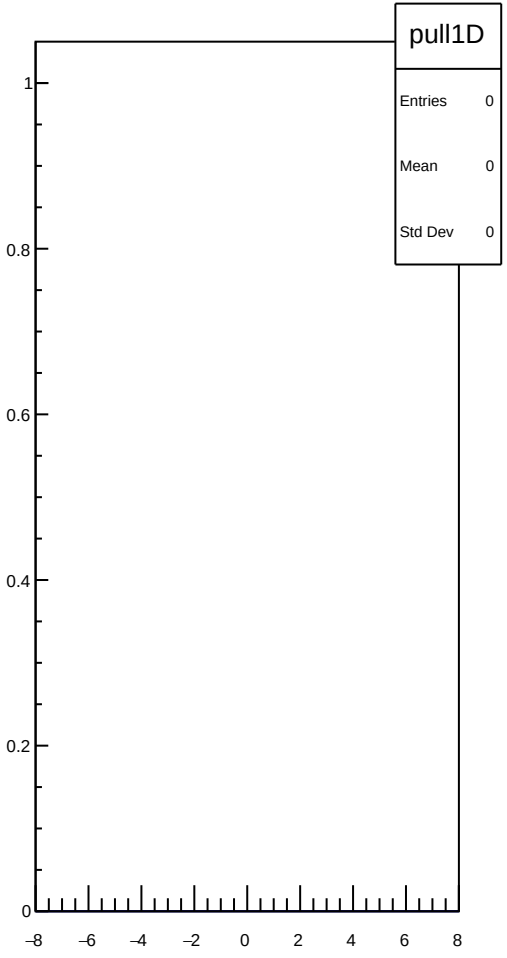
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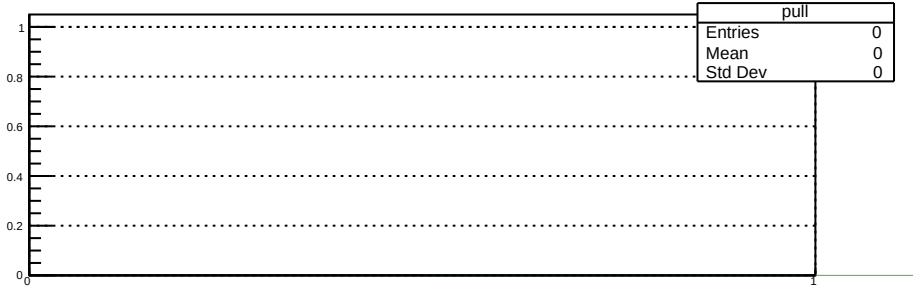
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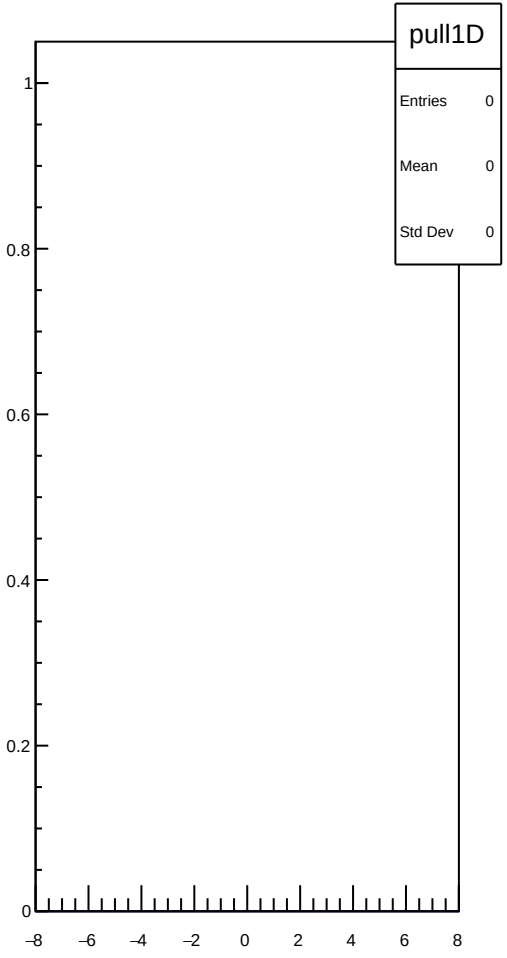
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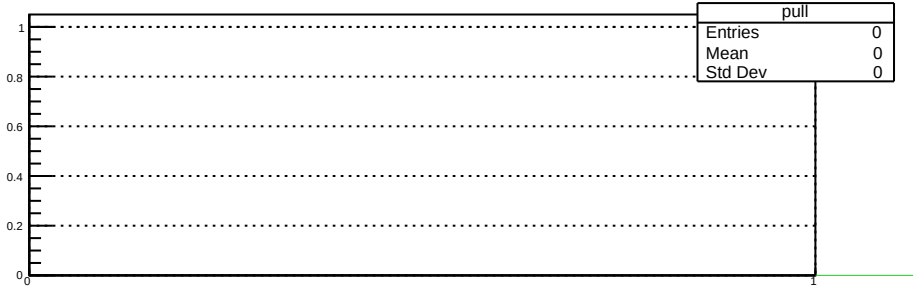
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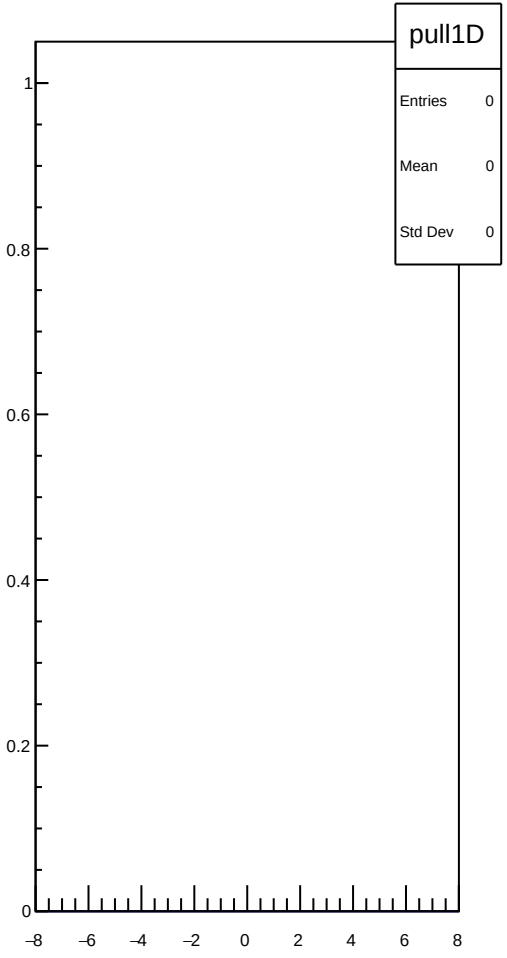
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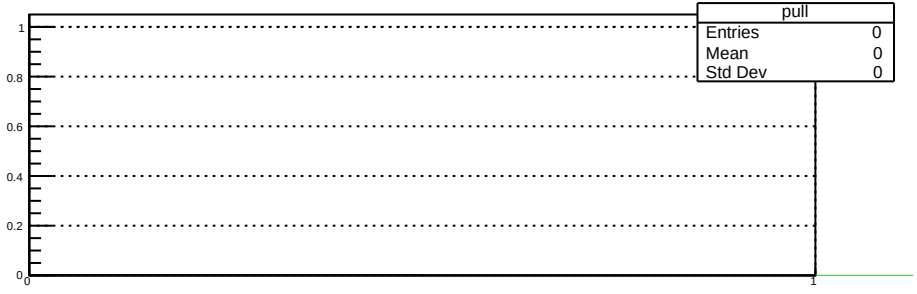
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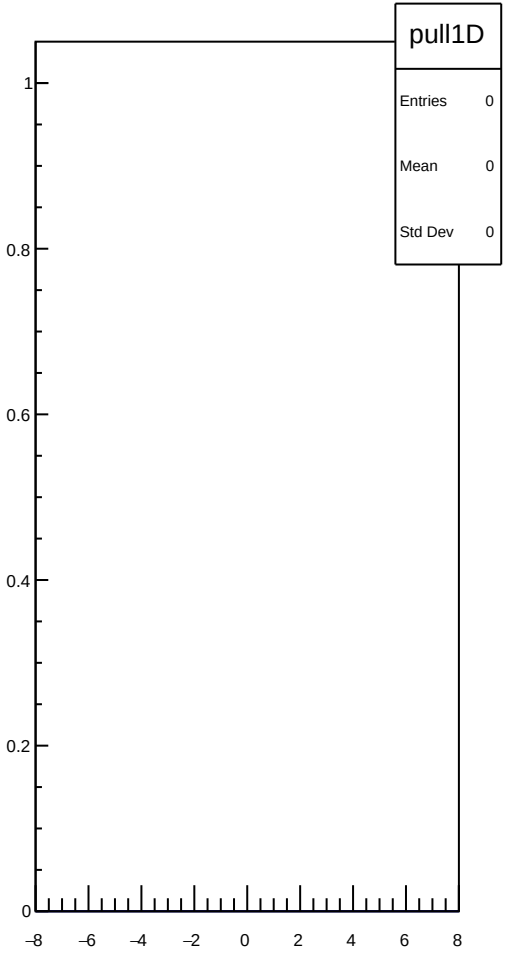
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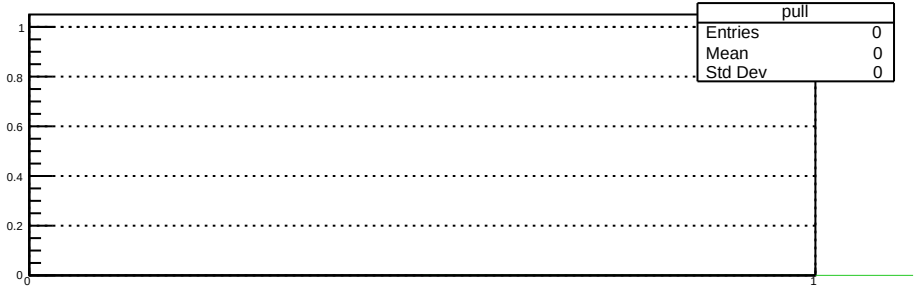
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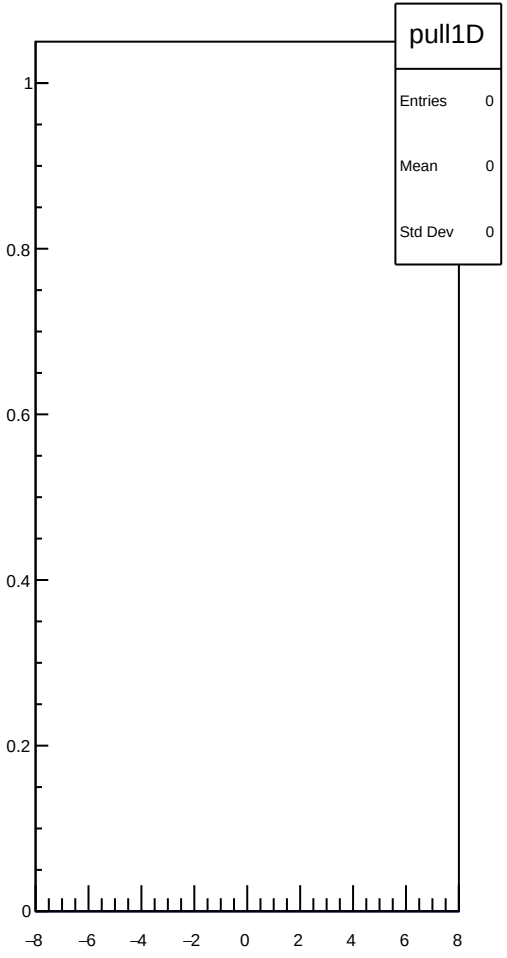
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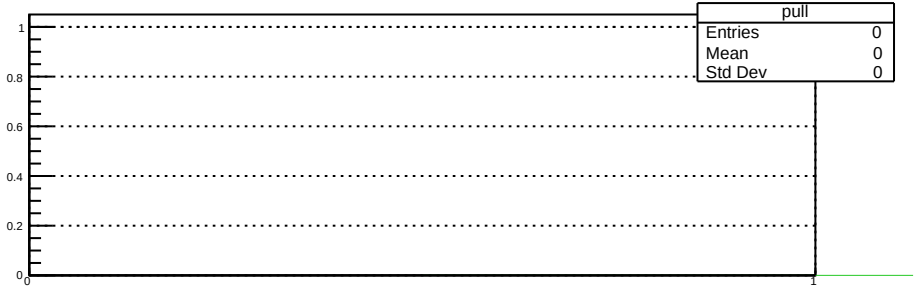
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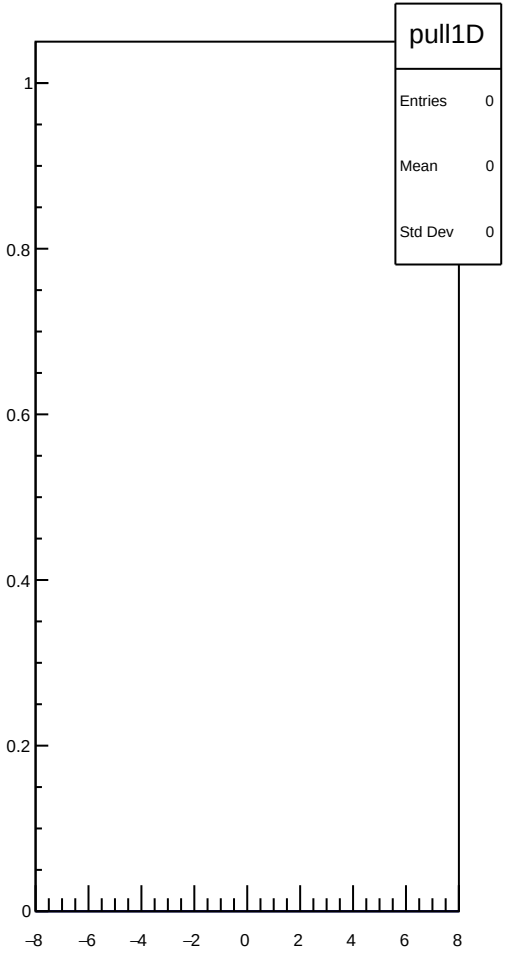
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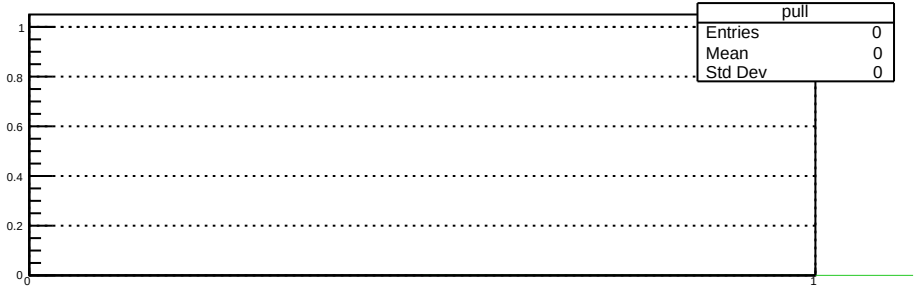
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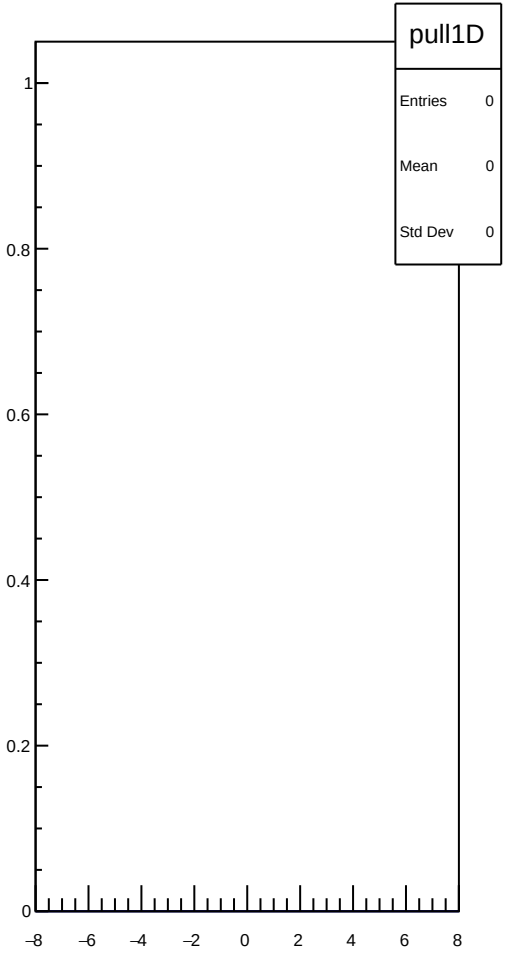
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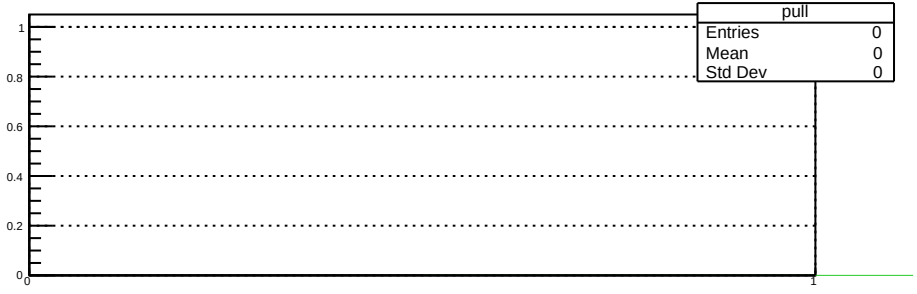
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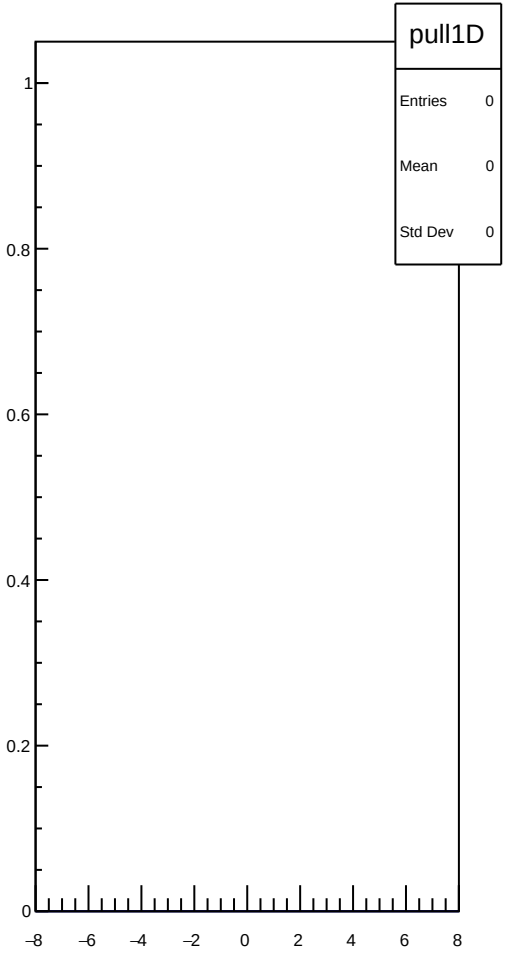
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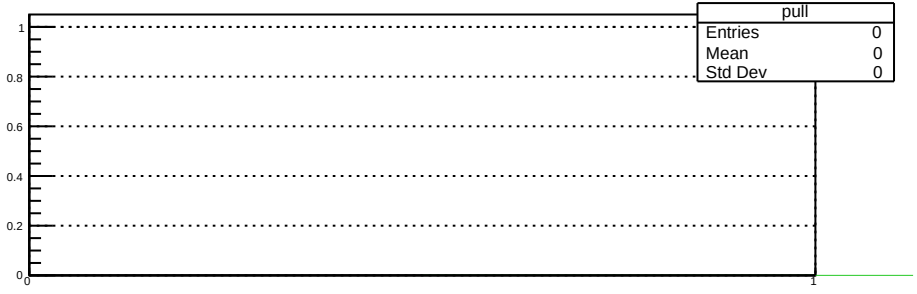
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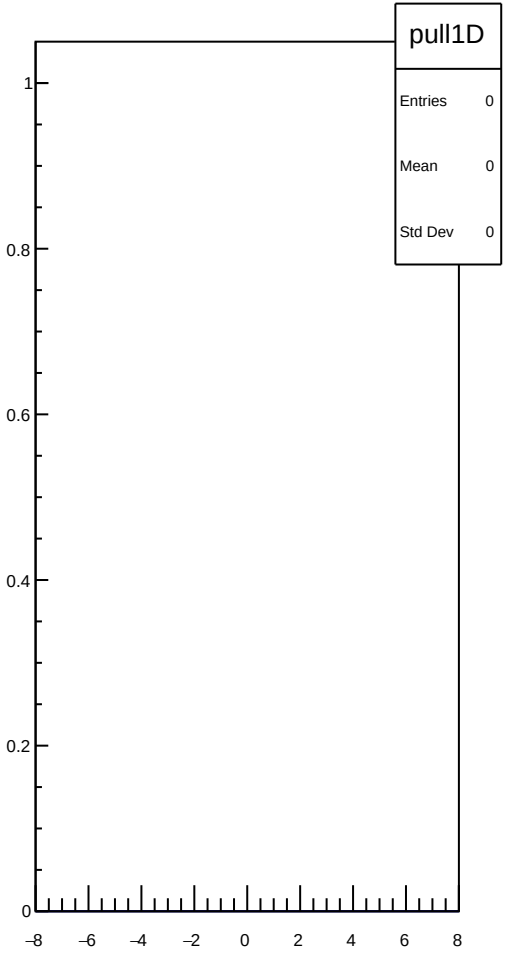
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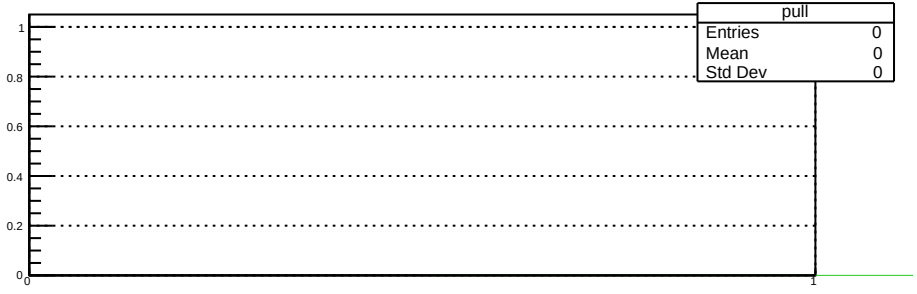
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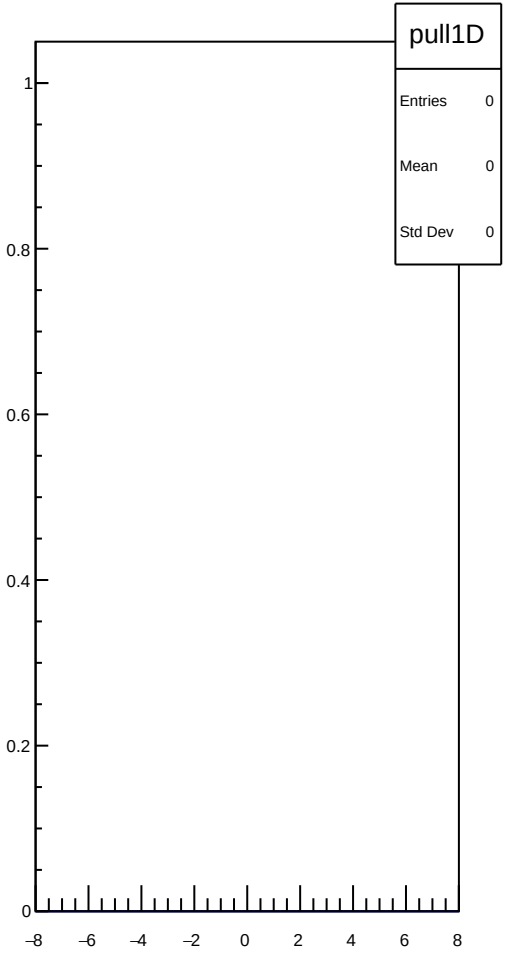
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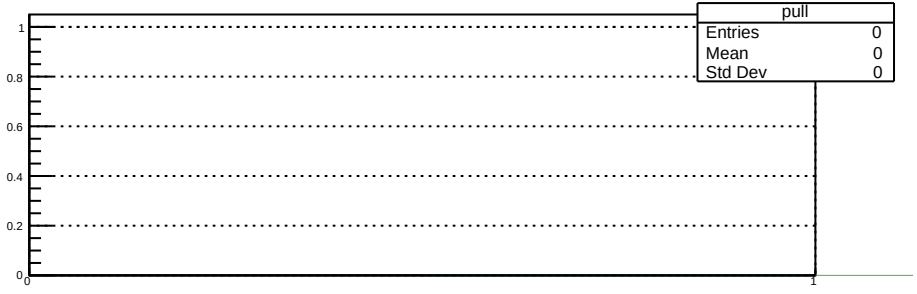
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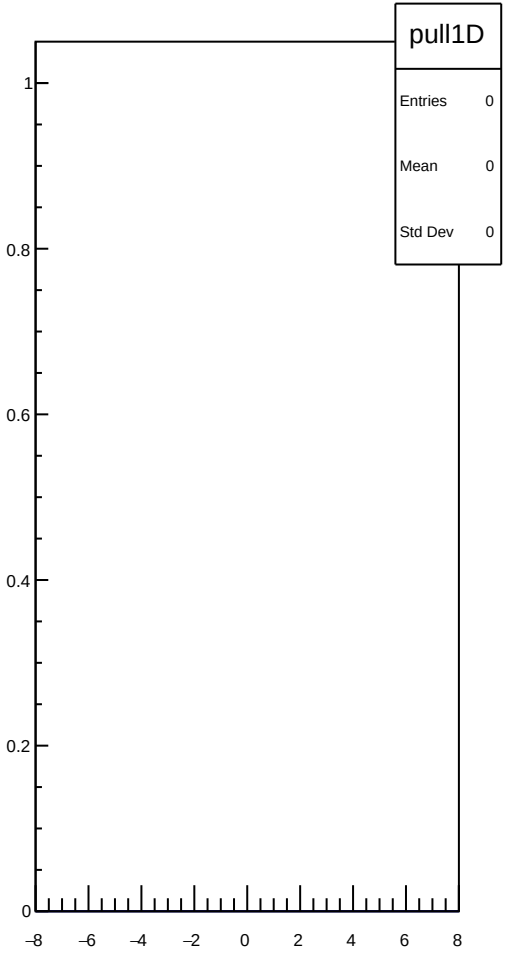
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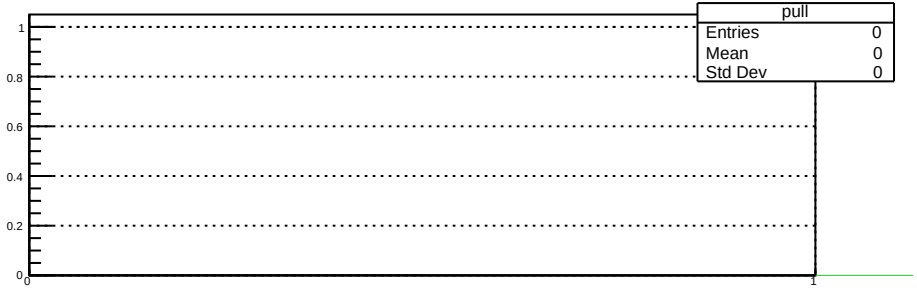
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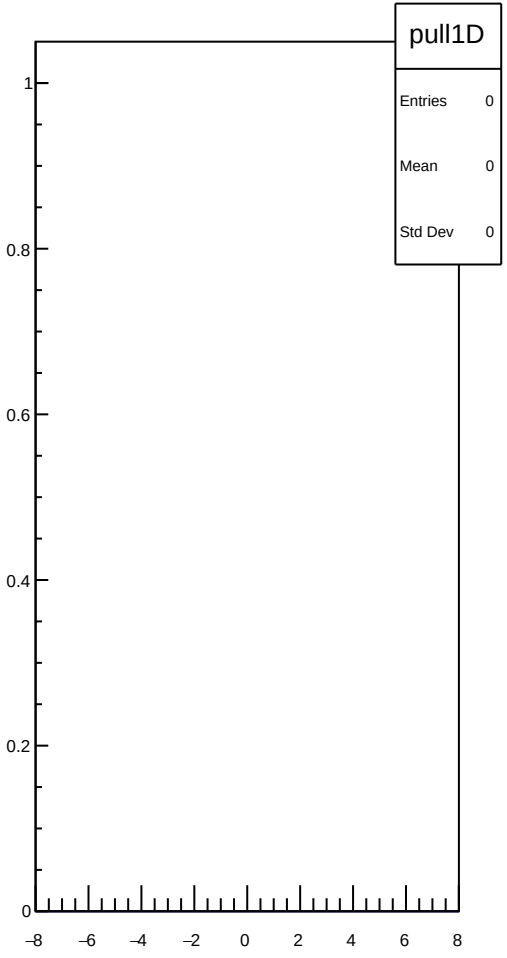
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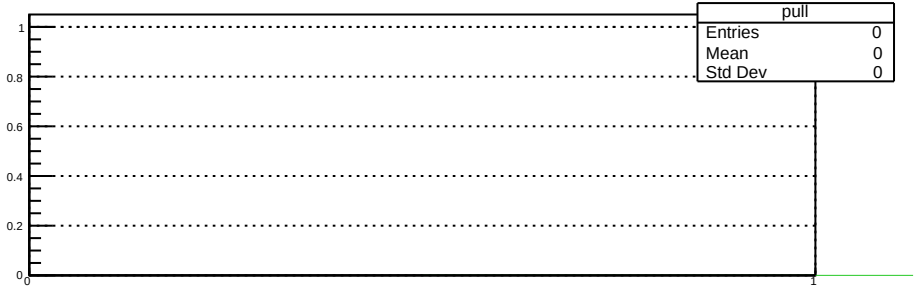
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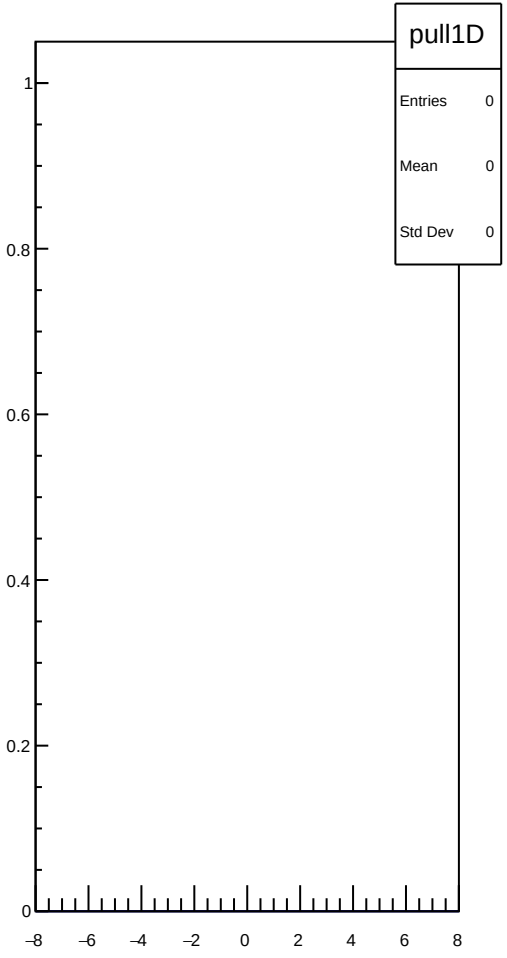
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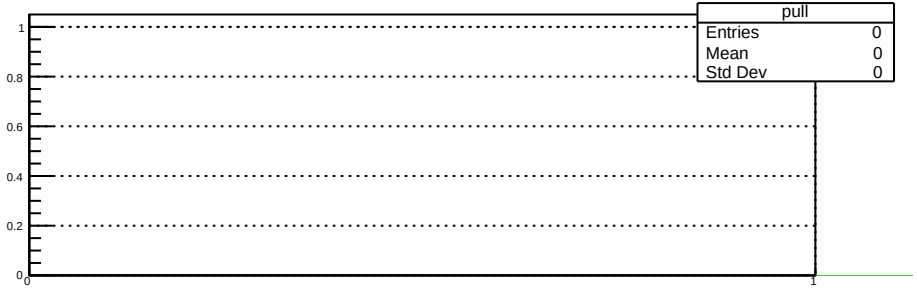
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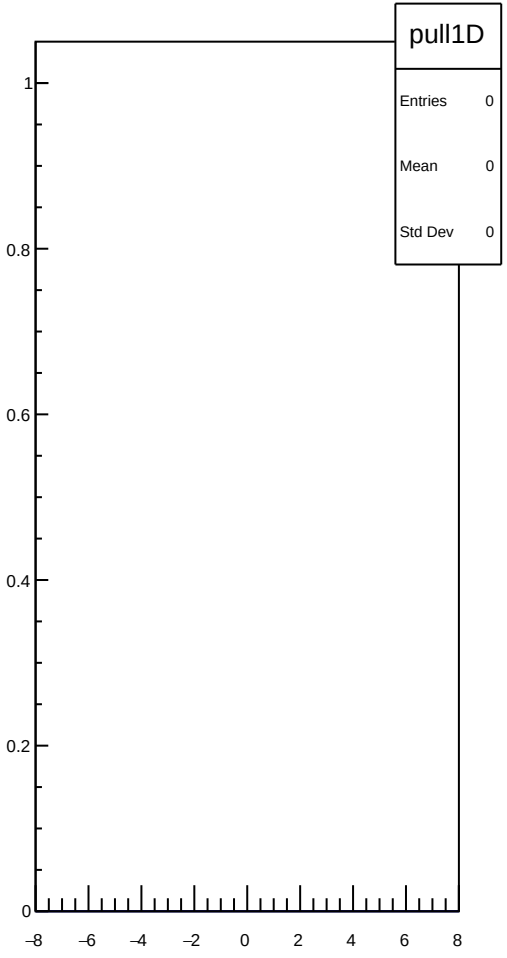
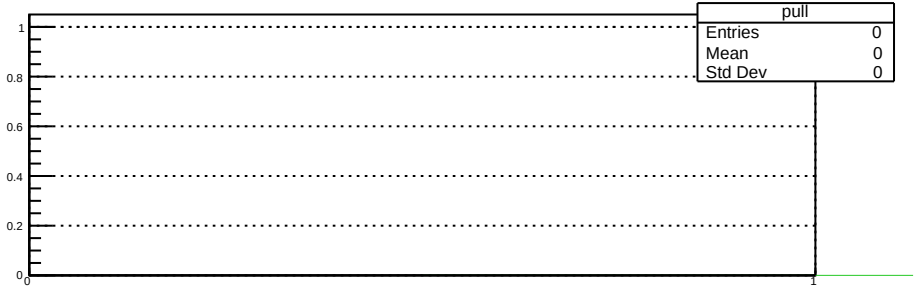
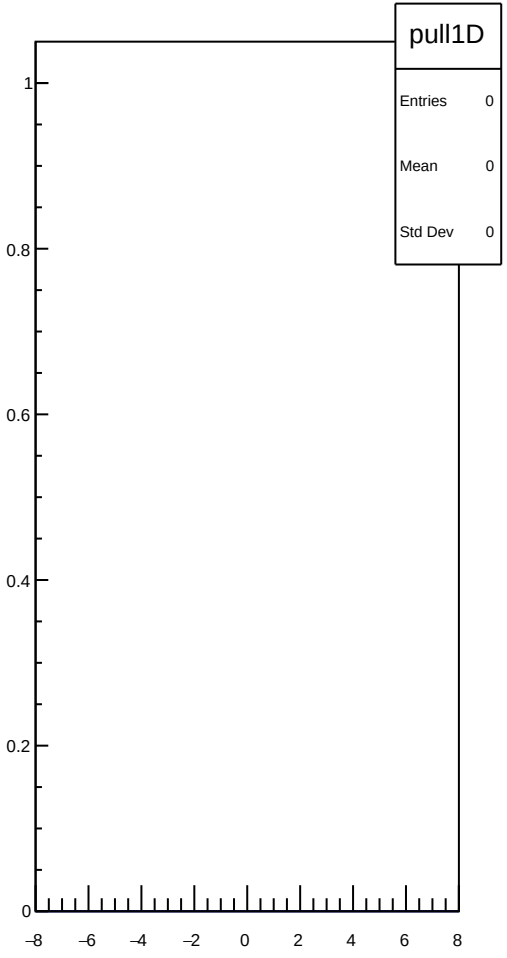

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


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
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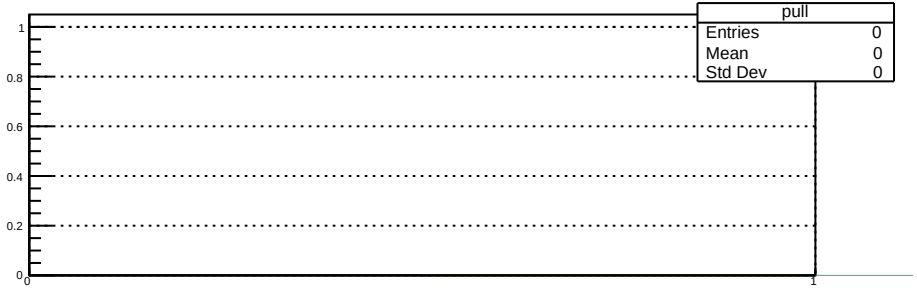
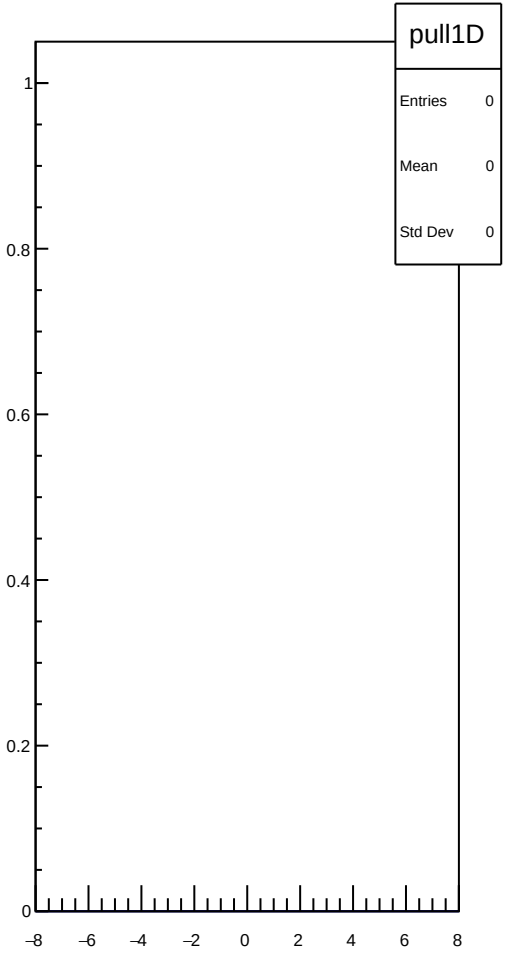
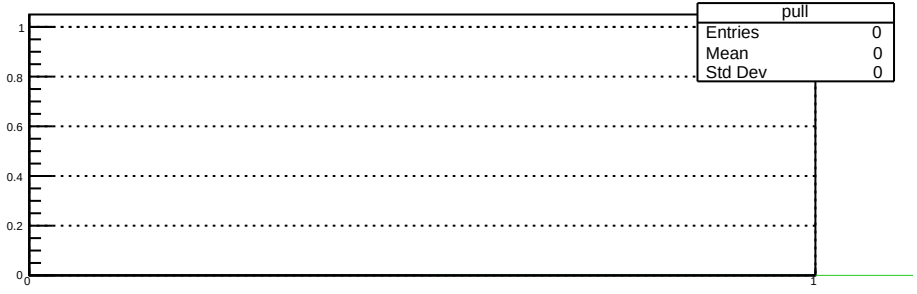
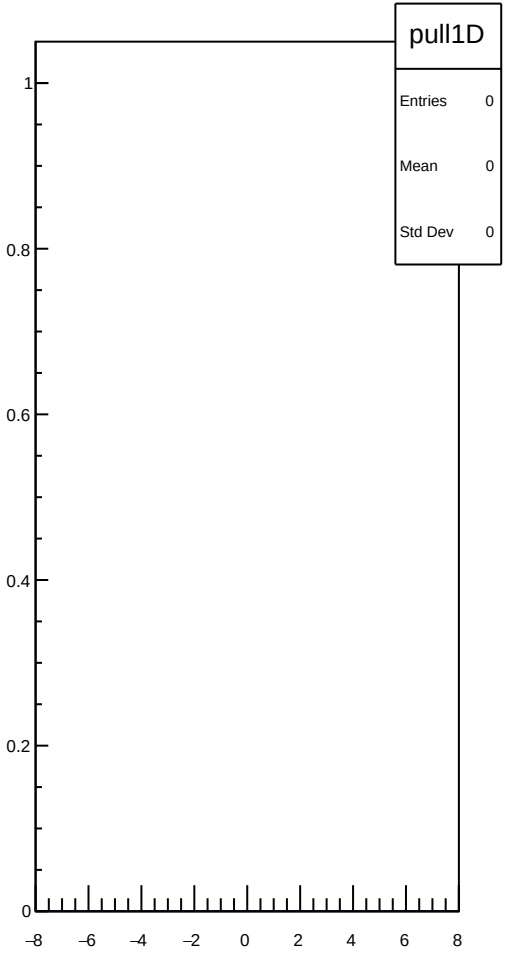
2
4
6
8


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
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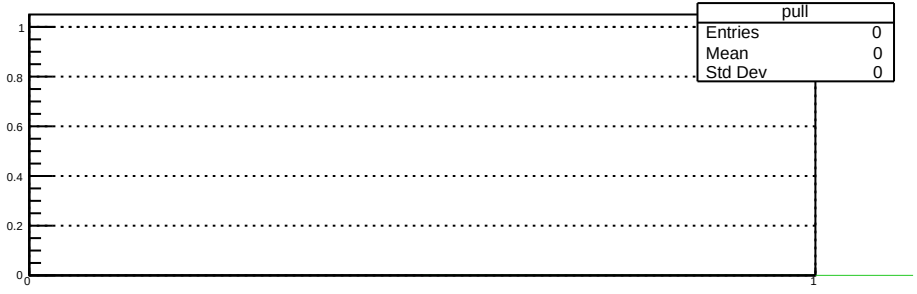
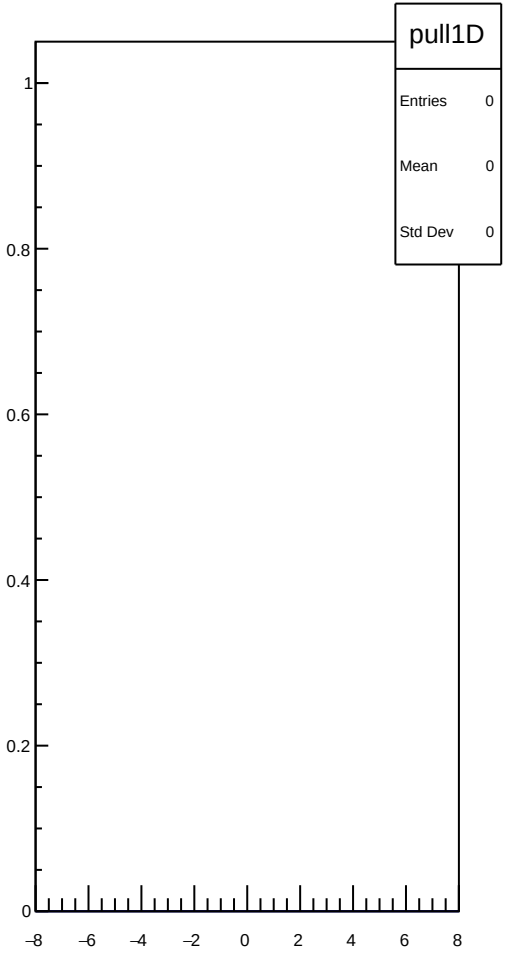
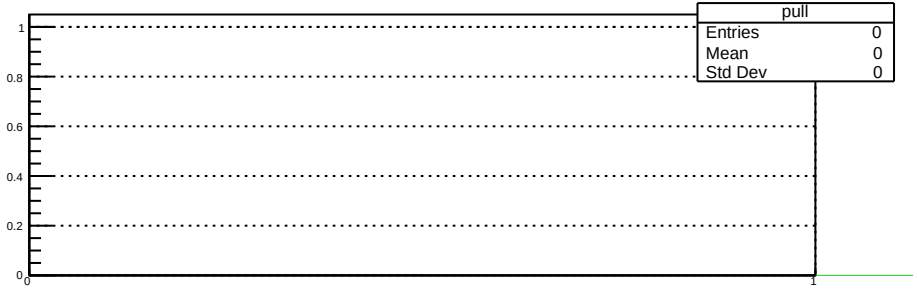
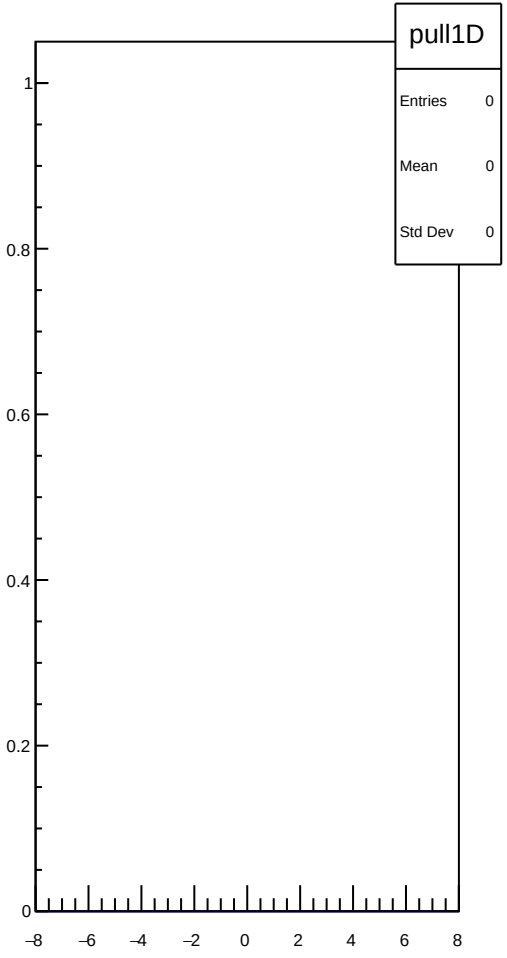
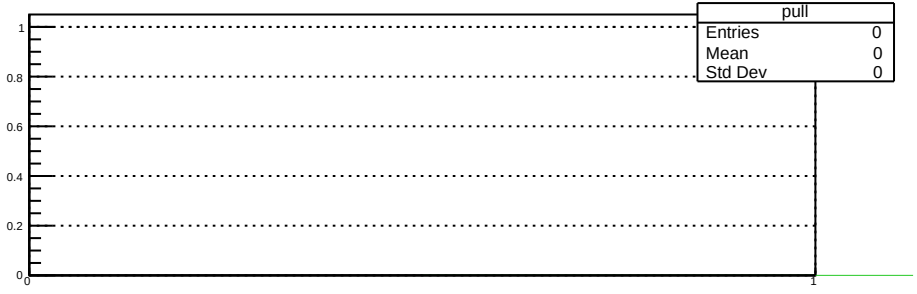
2
4
6
8

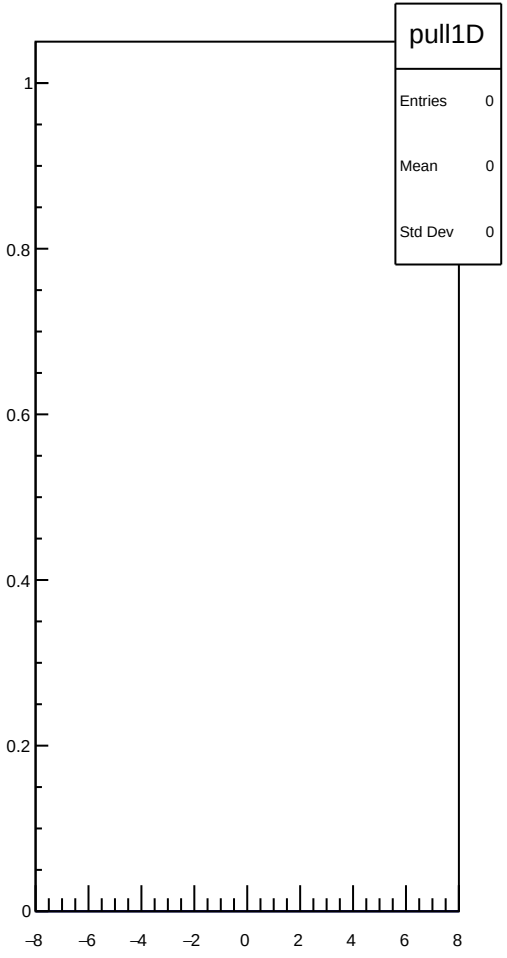

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

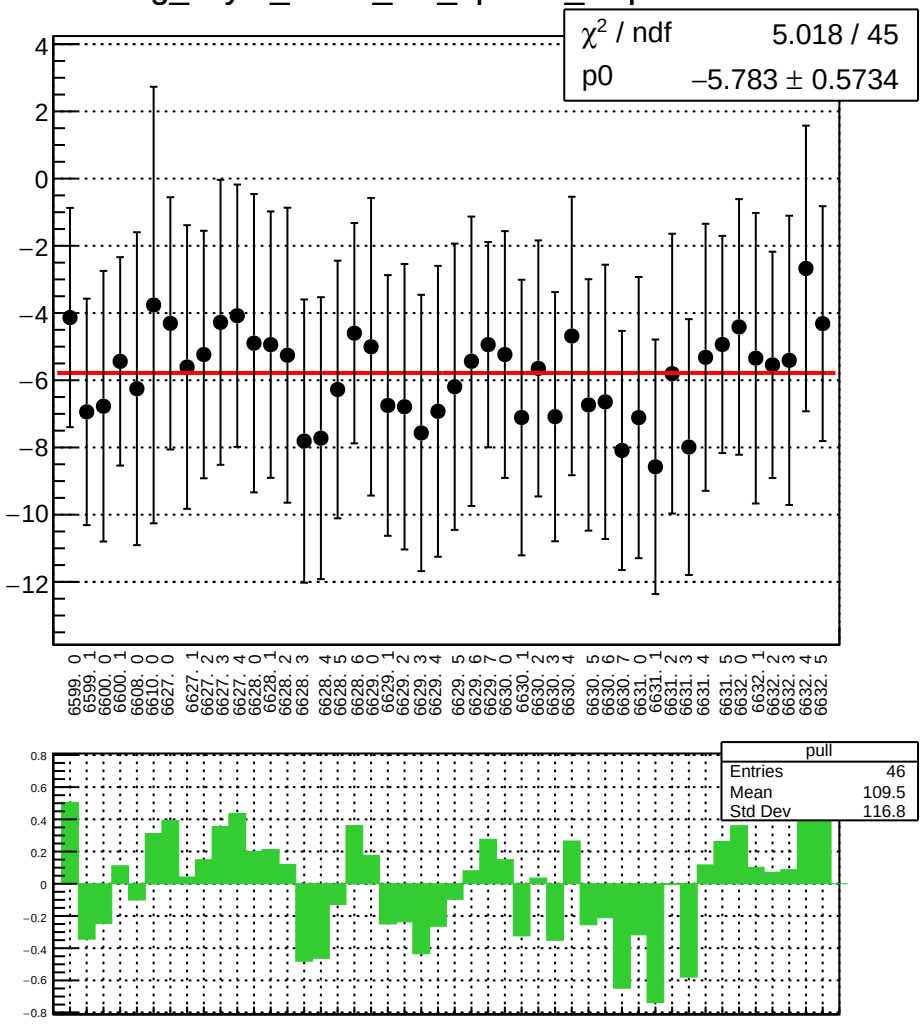

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

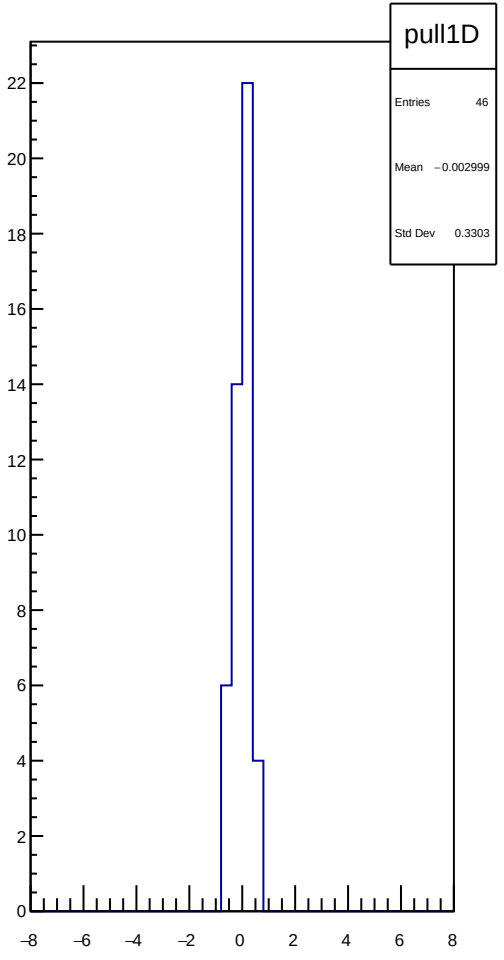

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

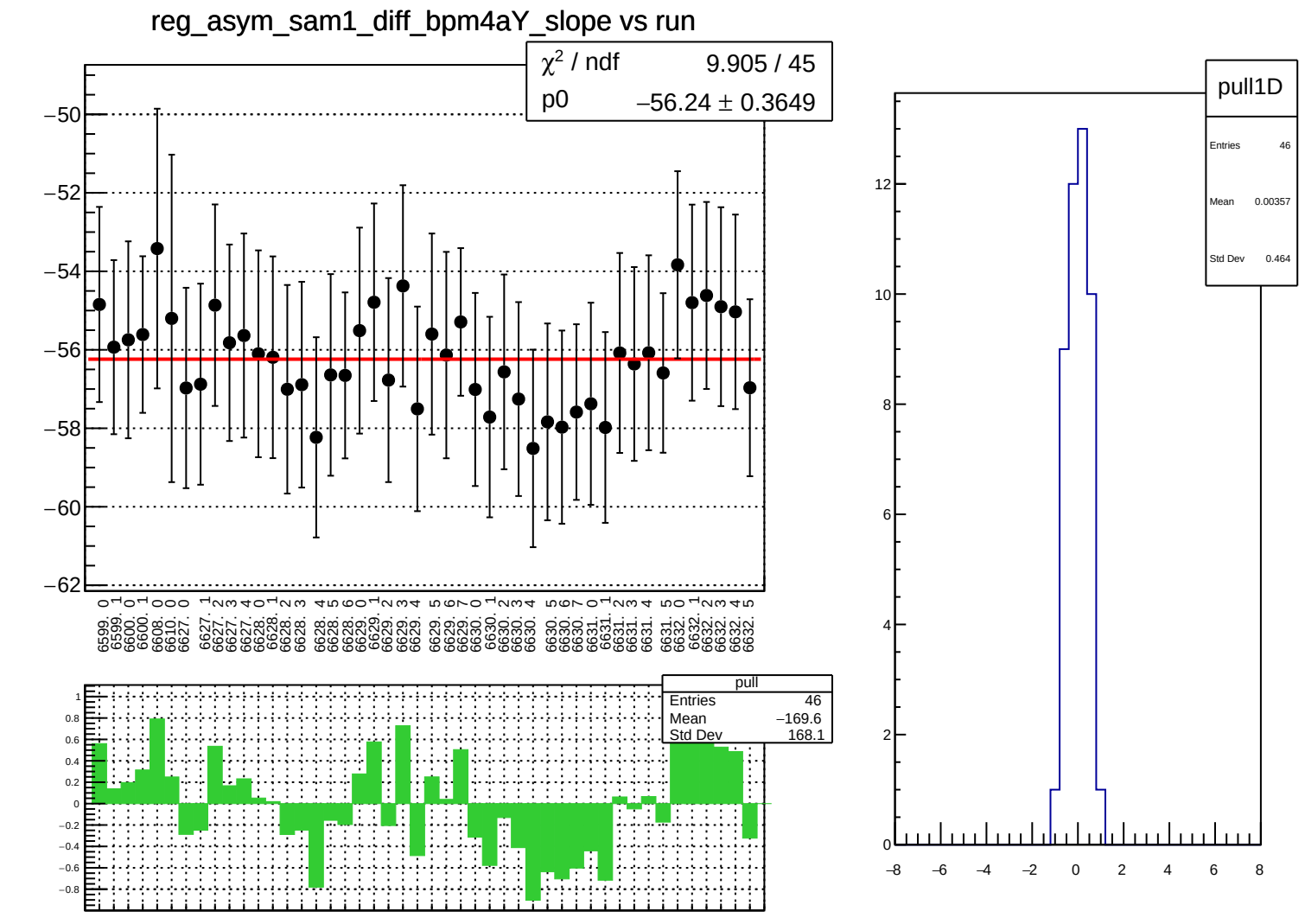

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

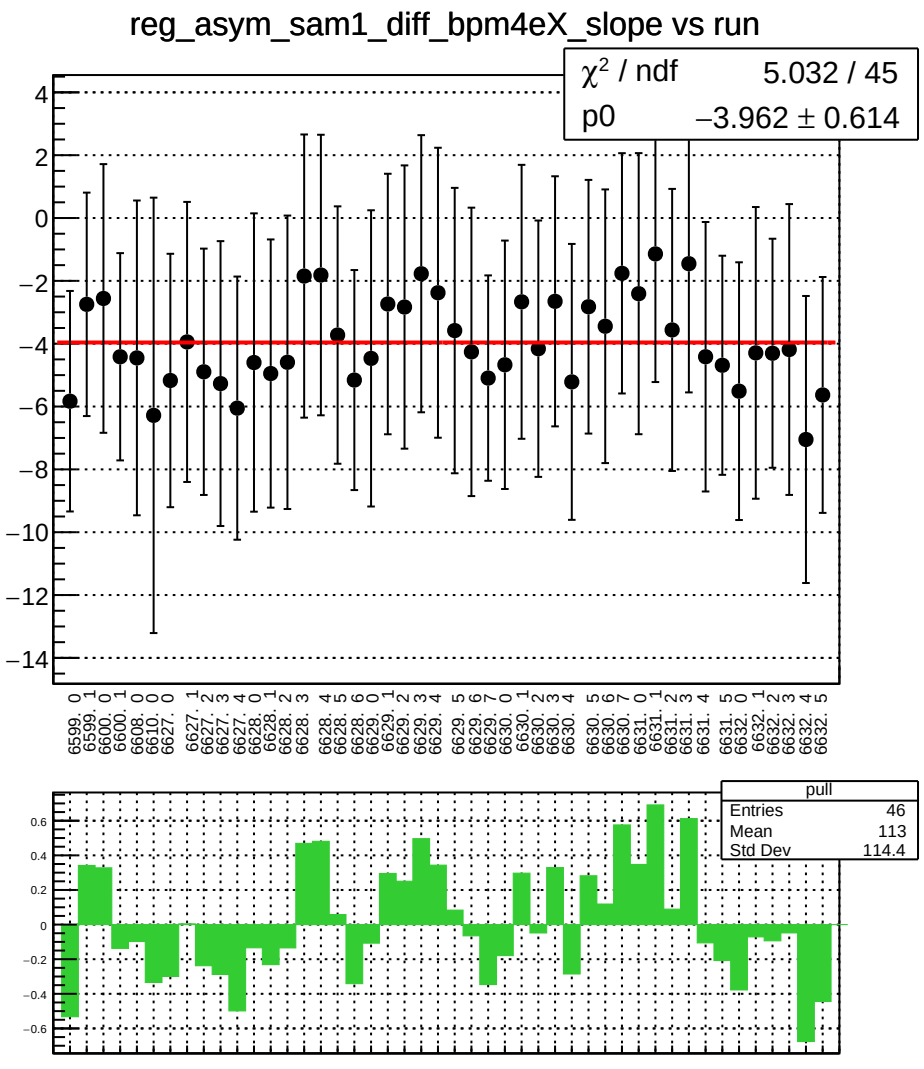

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

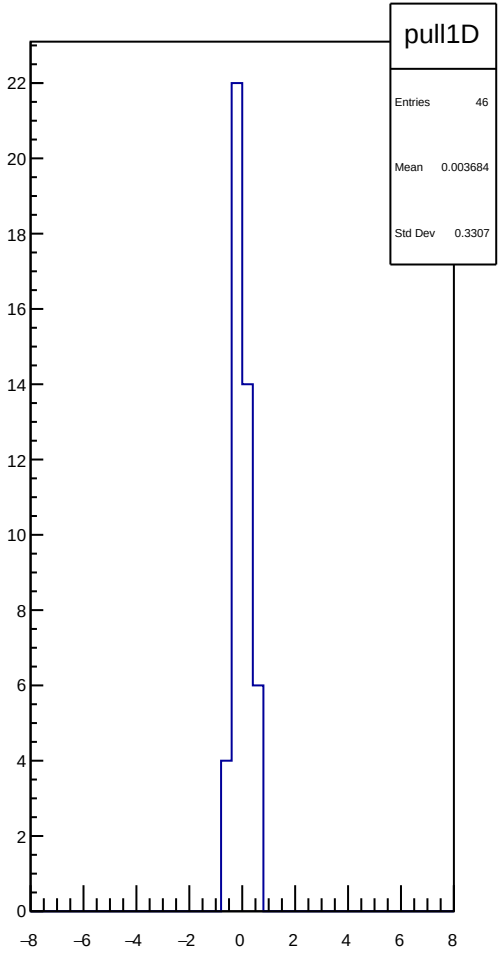

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

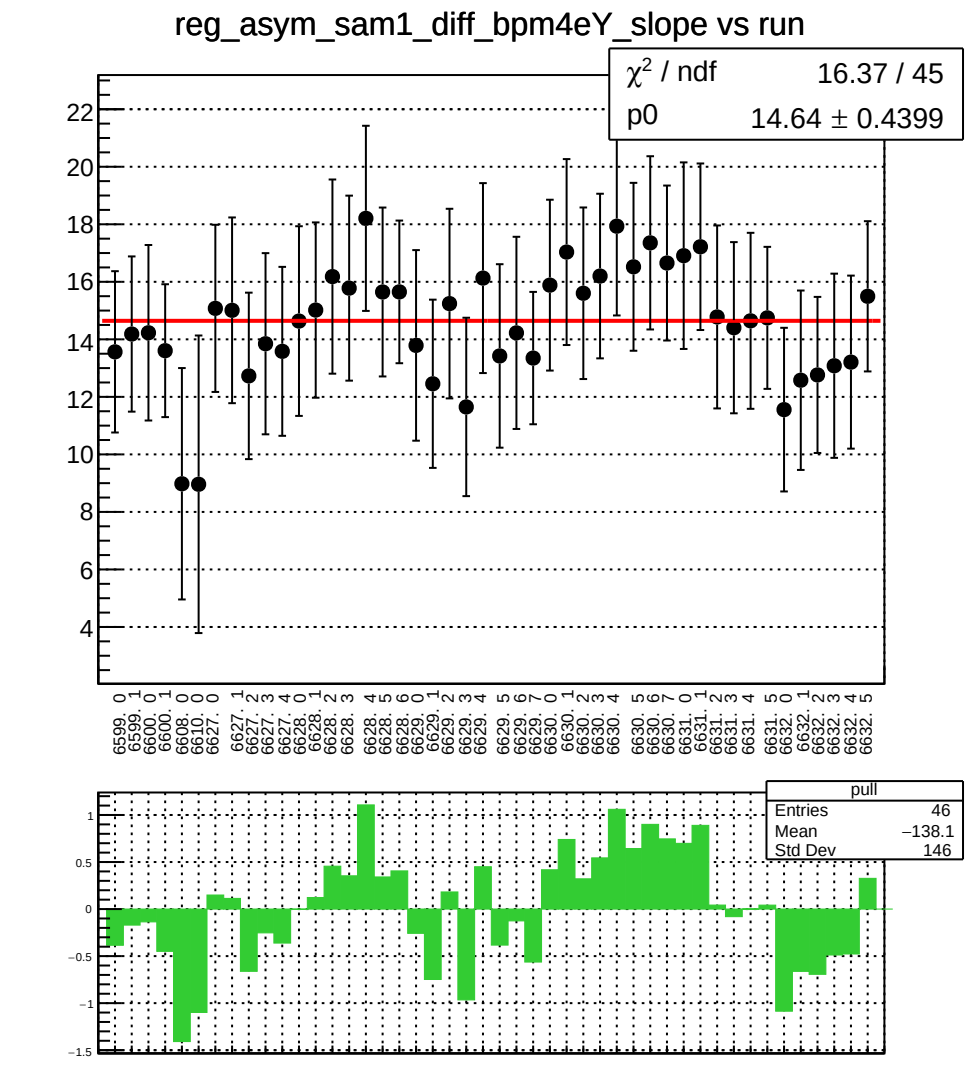

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 5.018 / 45
p0 −5.783 ± 0.5734
pull
Entries 46
Mean 109.5
Std Dev 116.8

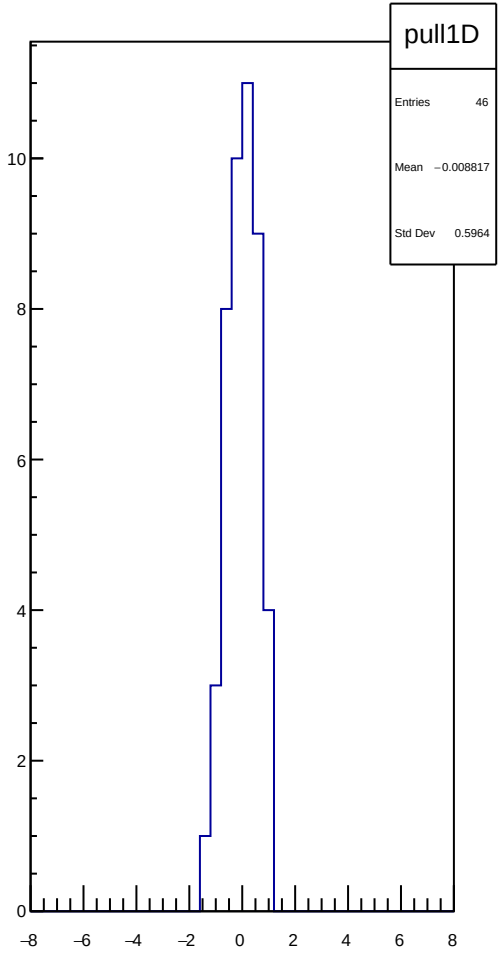

pull1D
Entries 46
Mean −0.002999
Std Dev 0.3303

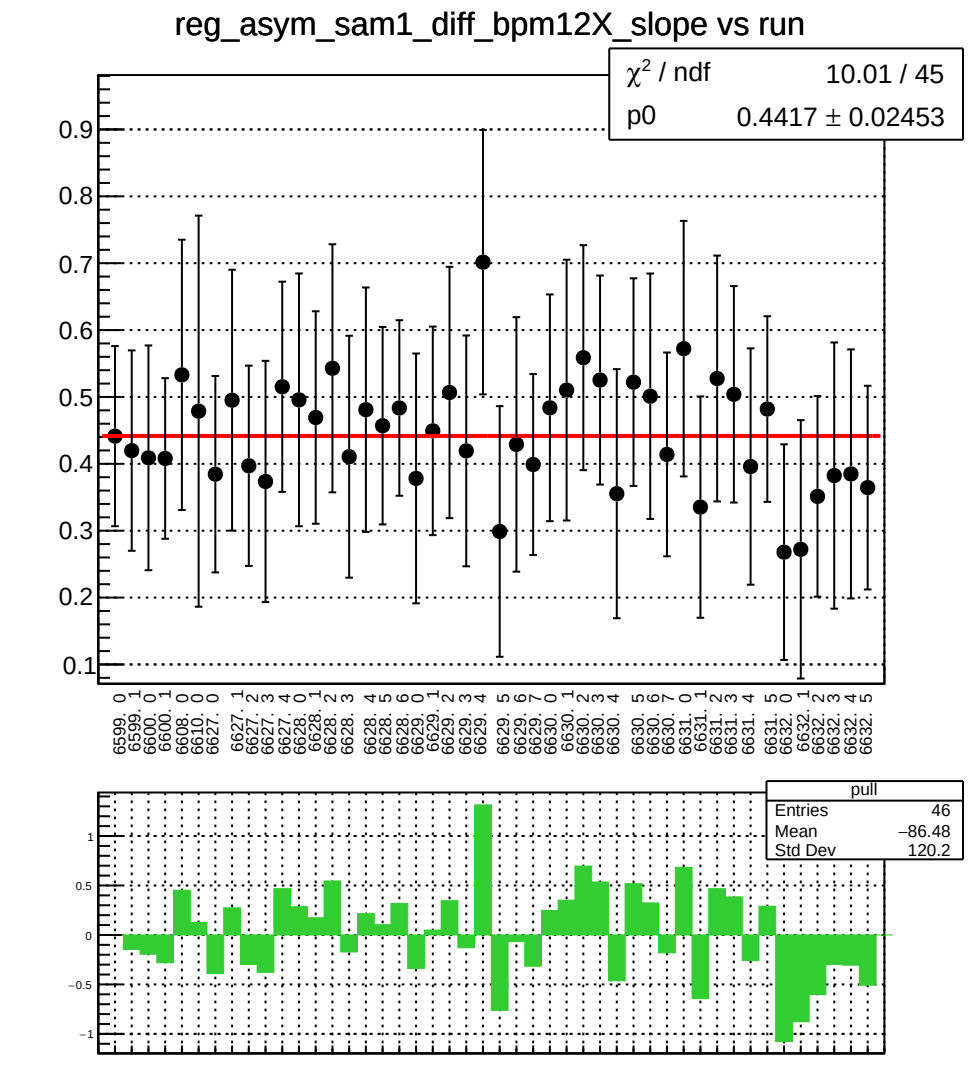

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 9.905 / 45
p0 −56.24 ± 0.3649
−50
−52
−54
−56
−58
−60
−62
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −169.6
Std Dev 168.1
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.00357
Std Dev 0.464
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

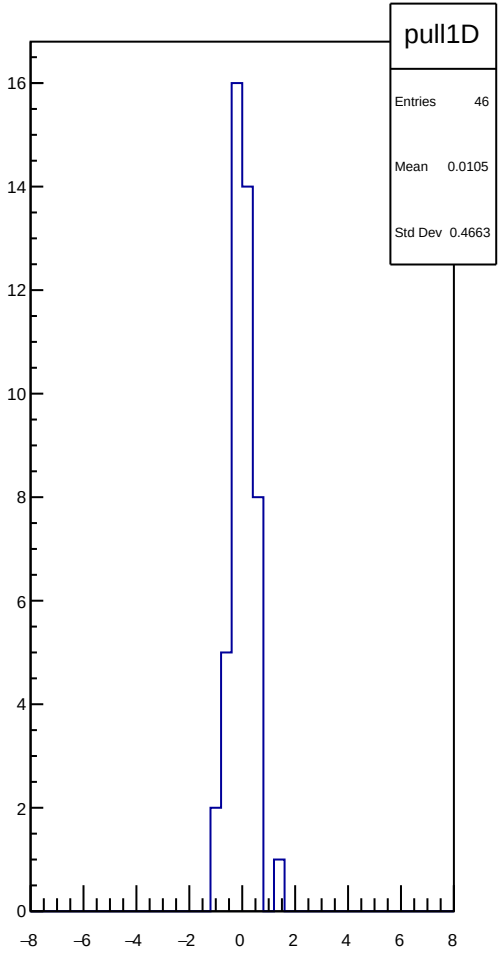

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 5.032 / 45
p0 −3.962 ± 0.614
pull
Entries 46
Mean 113
Std Dev 114.4

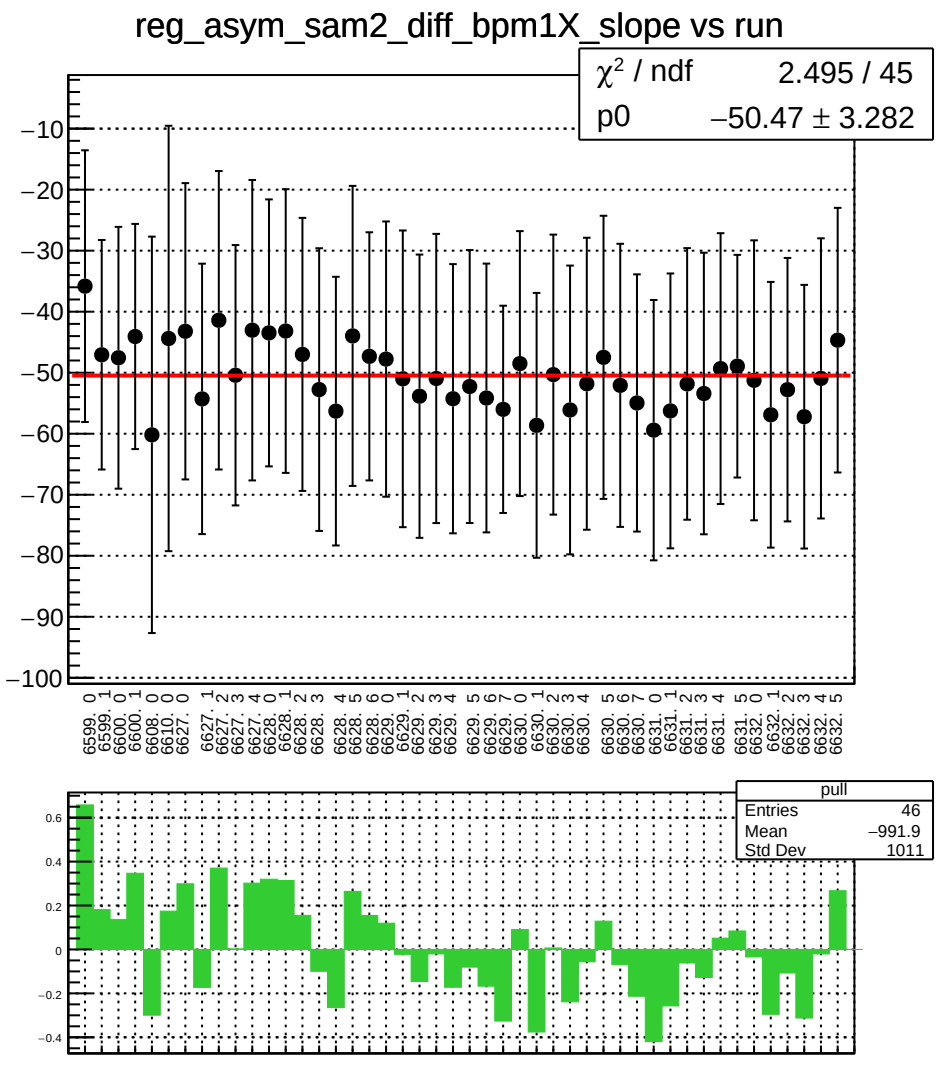

pull1D
Entries 46
Mean 0.003684
Std Dev 0.3307

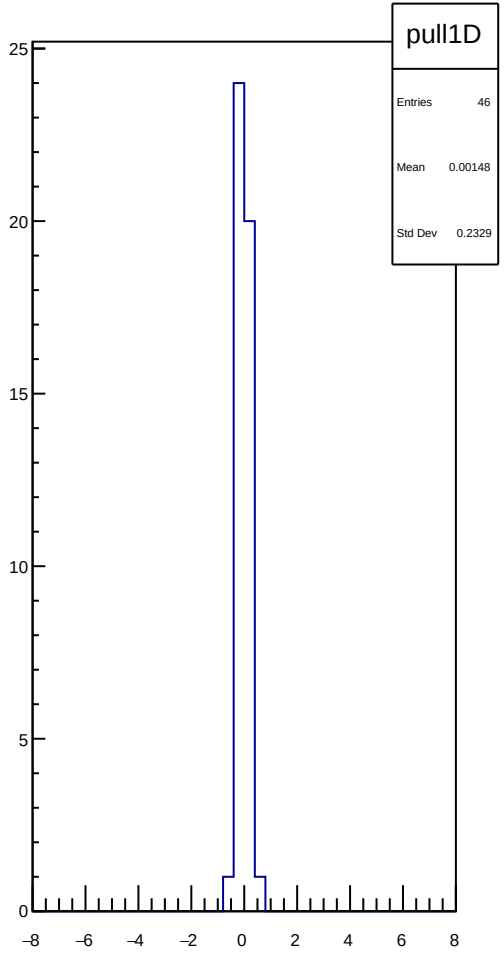

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 16.37 / 45
p0 14.64 ± 0.4399
pull
Entries 46
Mean −138.1
Std Dev 146

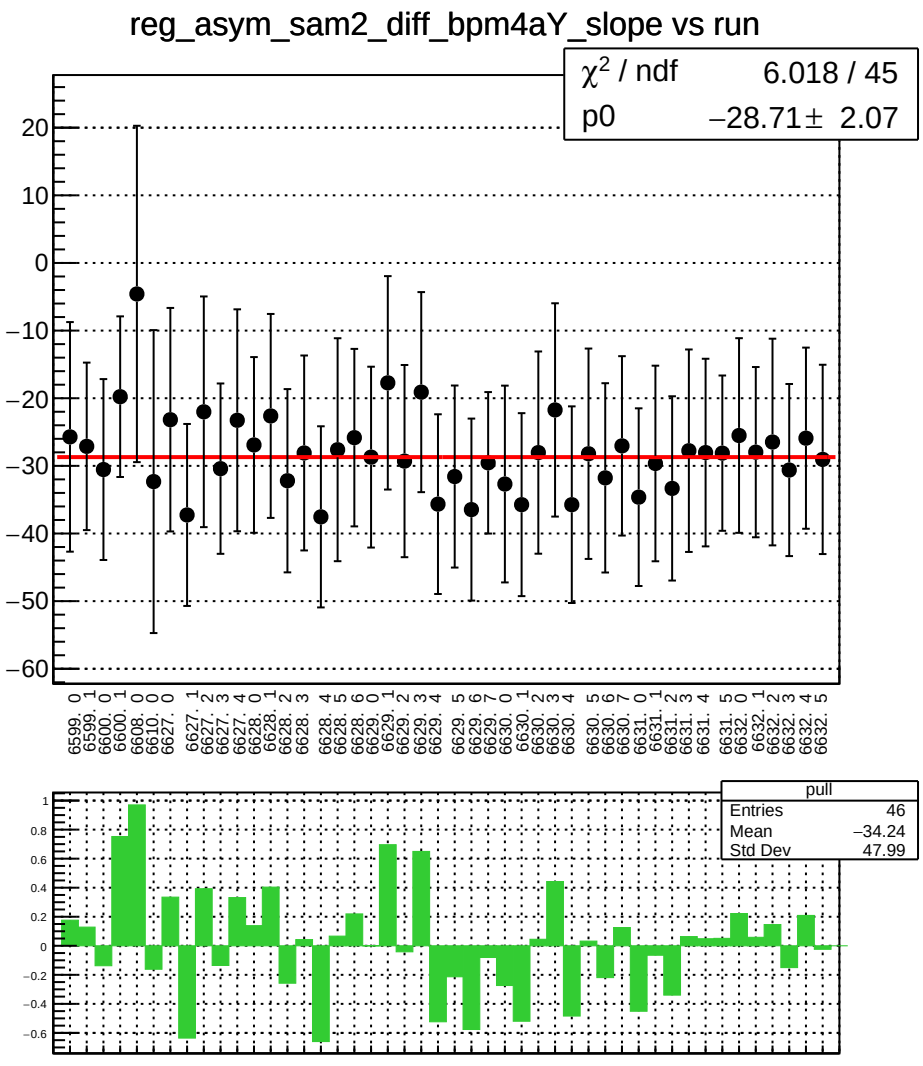

pull1D
Entries 46
Mean −0.008817
Std Dev 0.5964

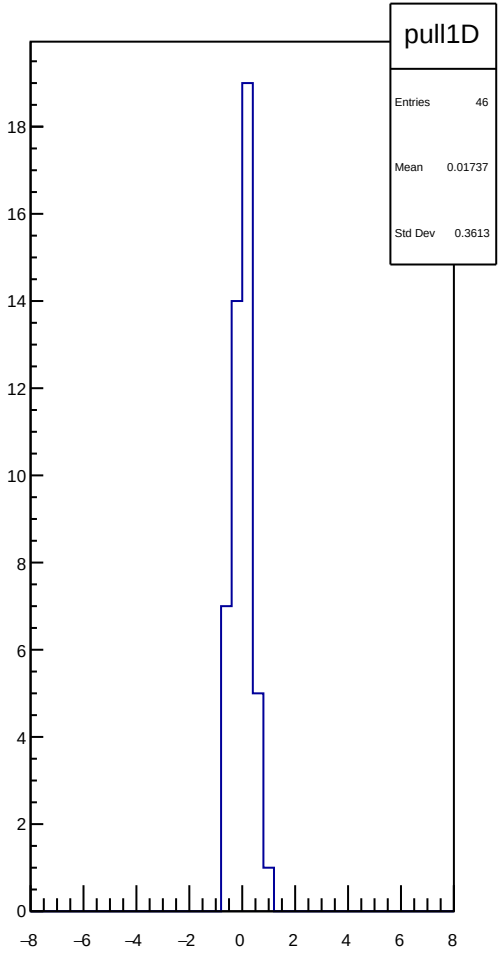

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 10.01 / 45
p0 0.4417 ± 0.02453
pull
Entries 46
Mean −86.48
Std Dev 120.2

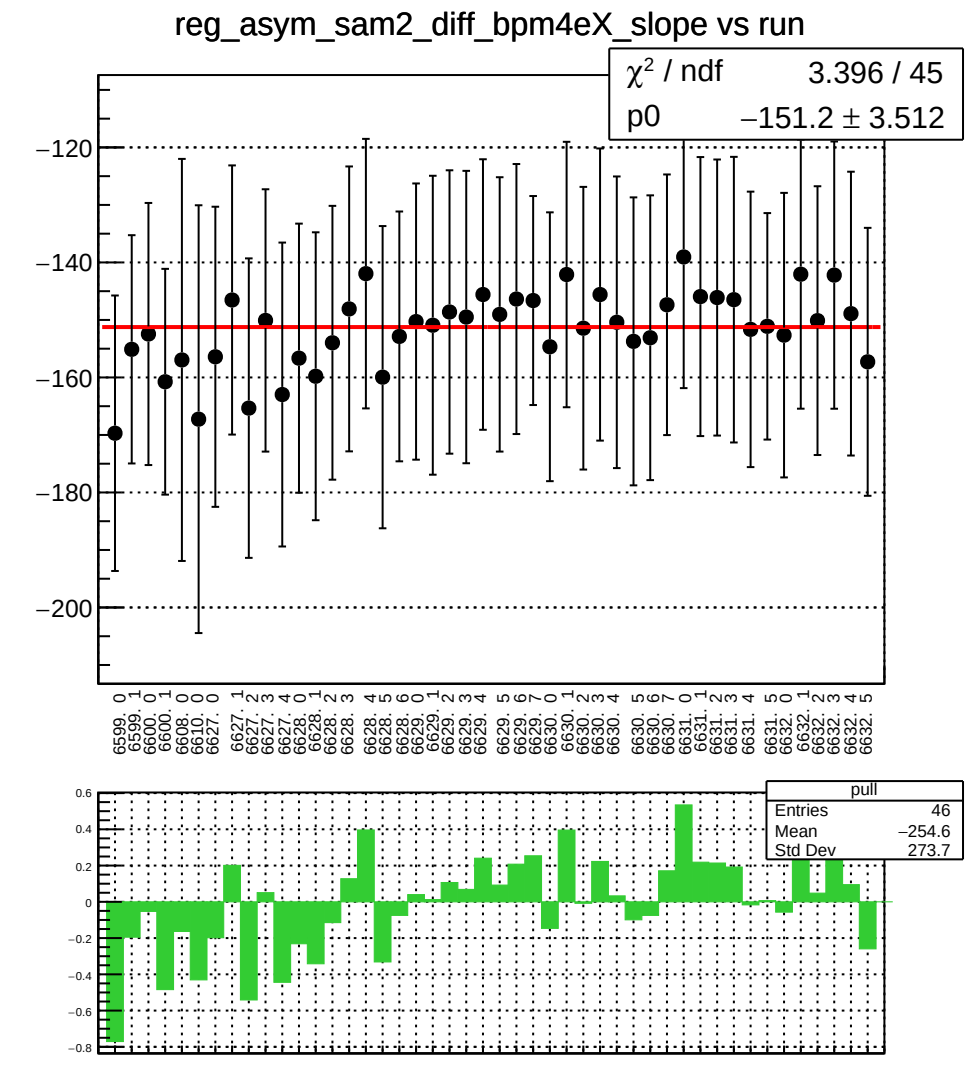

pull1D
Entries 46
Mean 0.0105
Std Dev 0.4663

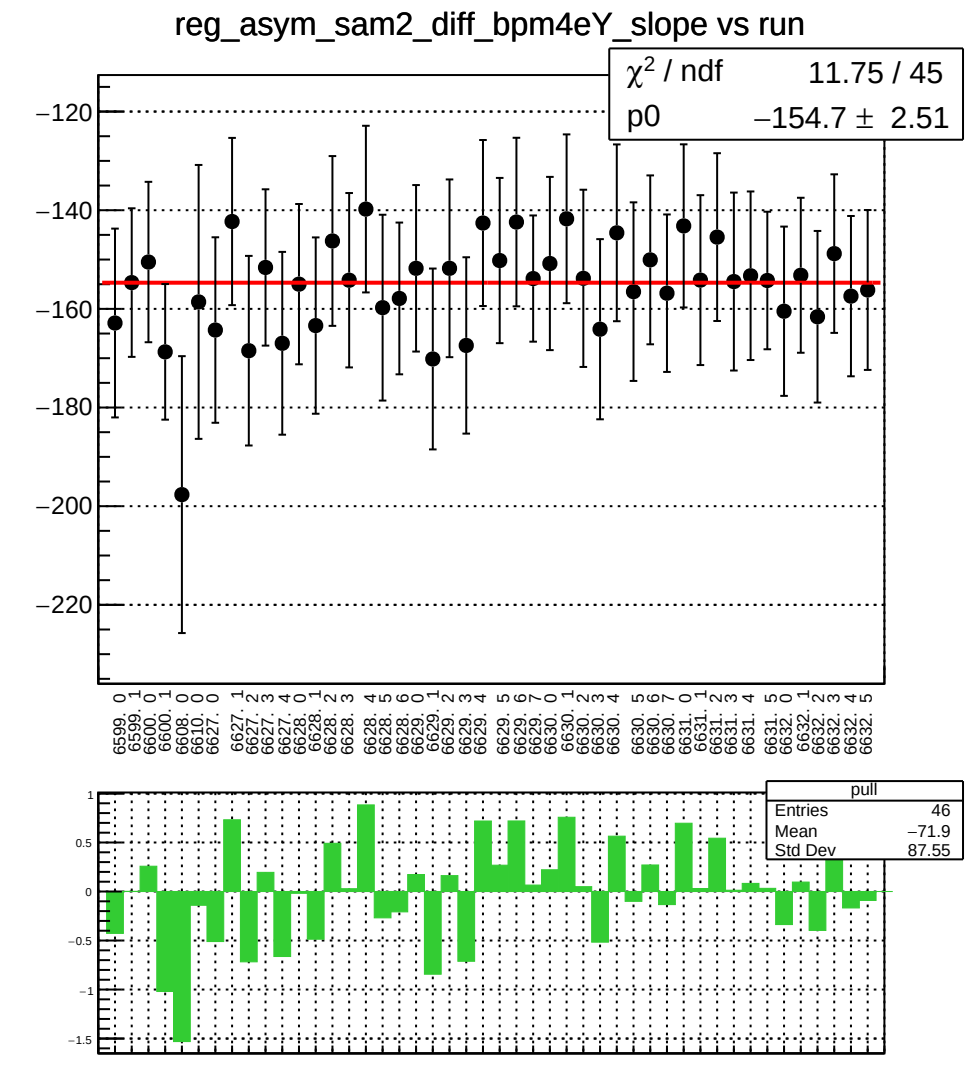

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 2.495 / 45
p0 −50.47 ± 3.282
pull
Entries 46
Mean −991.9
Std Dev 1011

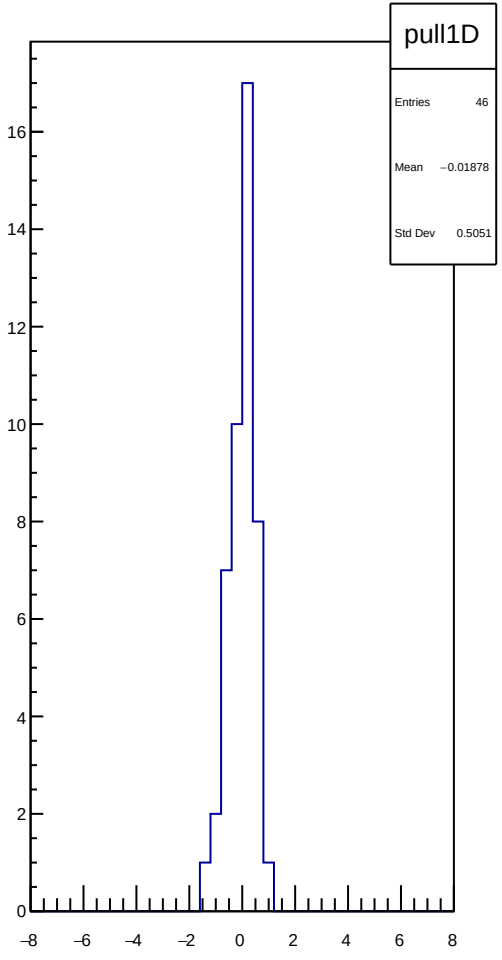

pull1D
Entries 46
Mean 0.00148
Std Dev 0.2329

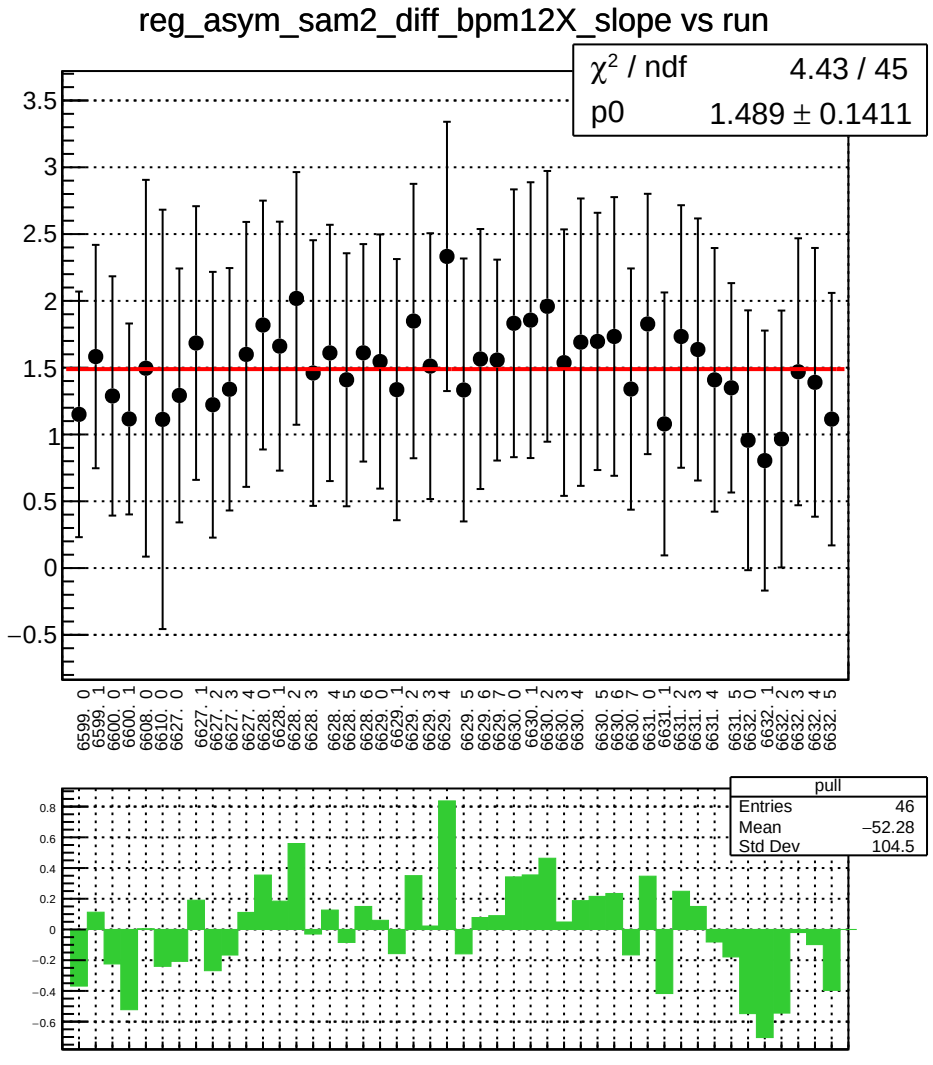

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 6.018 / 45
p0 −28.71± 2.07
pull
Entries 46
Mean −34.24
Std Dev 47.99

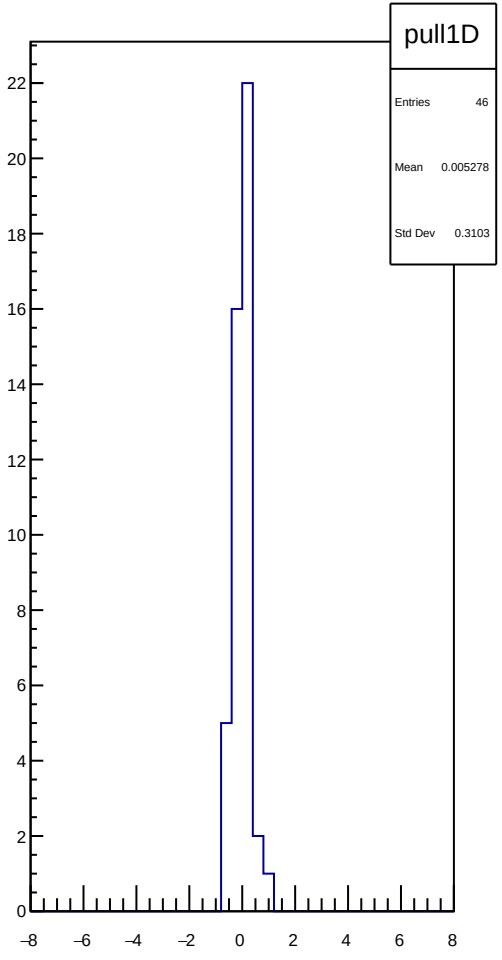

pull1D
Entries 46
Mean 0.01737
Std Dev 0.3613

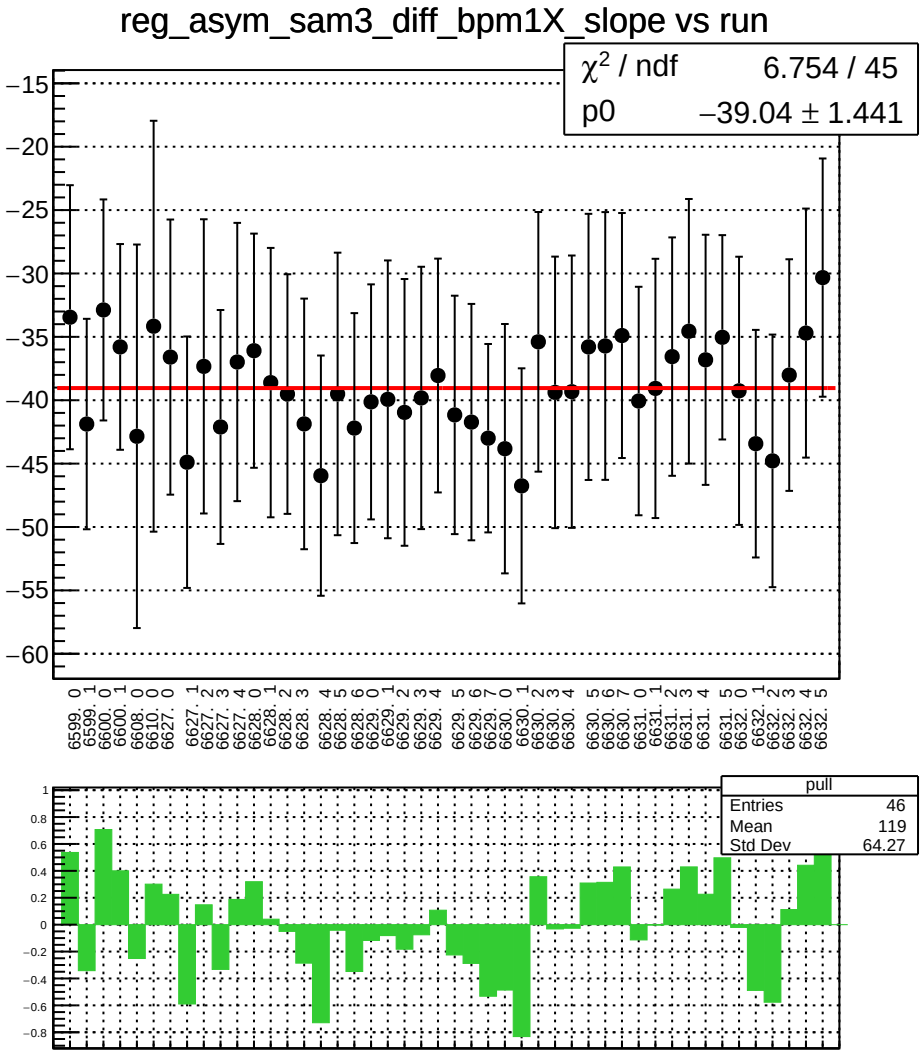

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 3.396 / 45
p0 −151.2 ± 3.512
−120
−140
−160
−180
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −254.6
Std Dev 273.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean −0.007092
Std Dev 0.2716
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

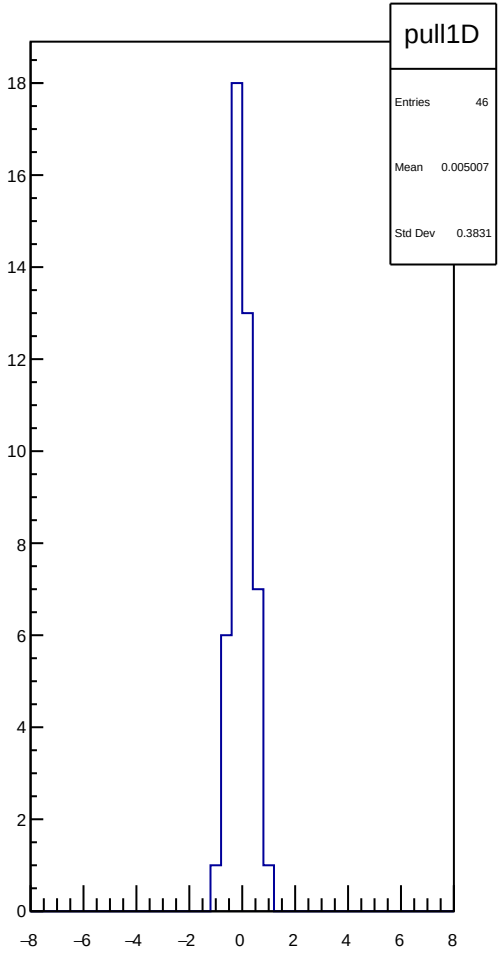

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 11.75 / 45
p0 −154.7 ± 2.51
−120
−140
−160
−180
−200
−220
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −71.9
Std Dev 87.55
1
0.5
0
−0.5
−1
−1.5

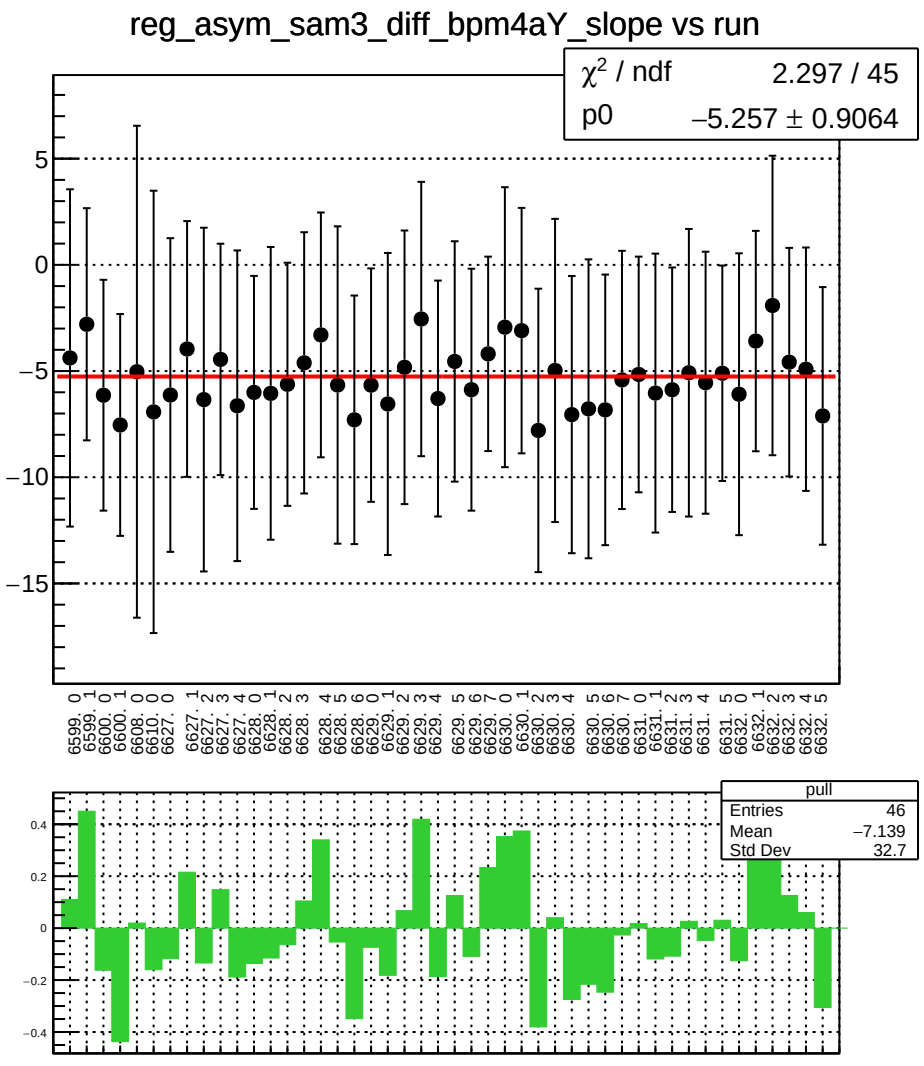

pull1D
Entries 46
Mean −0.01878
Std Dev 0.5051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

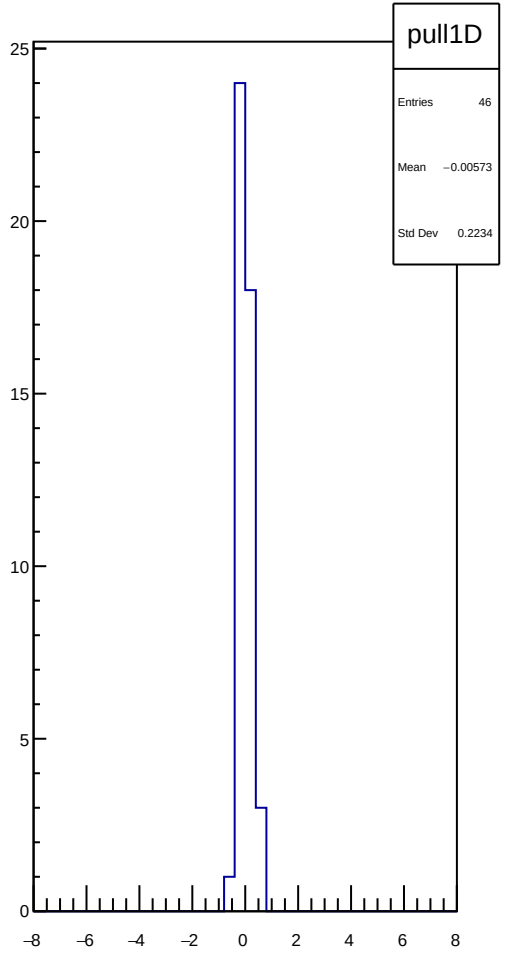

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 4.43 / 45
p0 1.489 ± 0.1411
pull
Entries 46
Mean −52.28
Std Dev 104.5

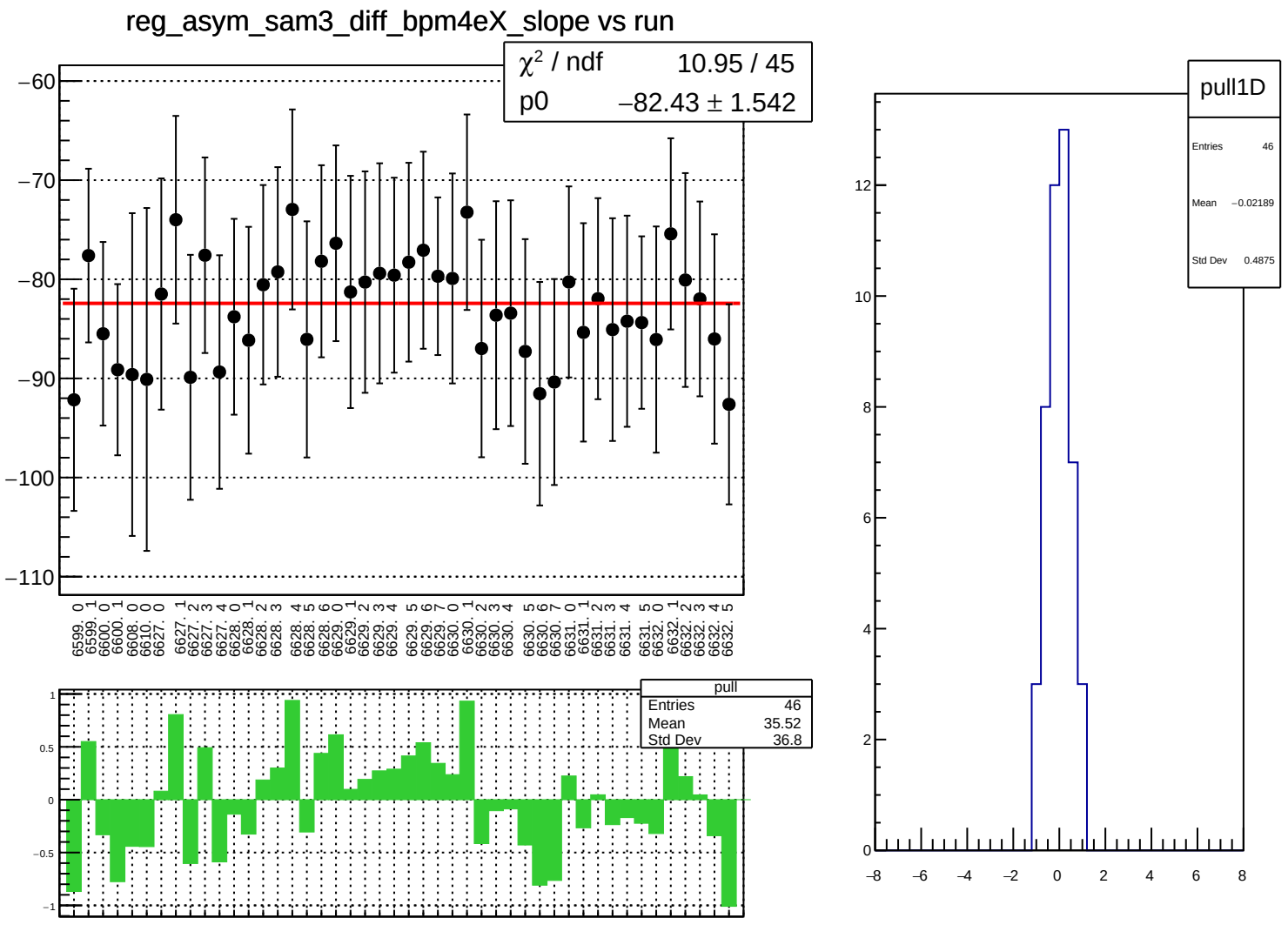

pull1D
Entries 46
Mean 0.005278
Std Dev 0.3103

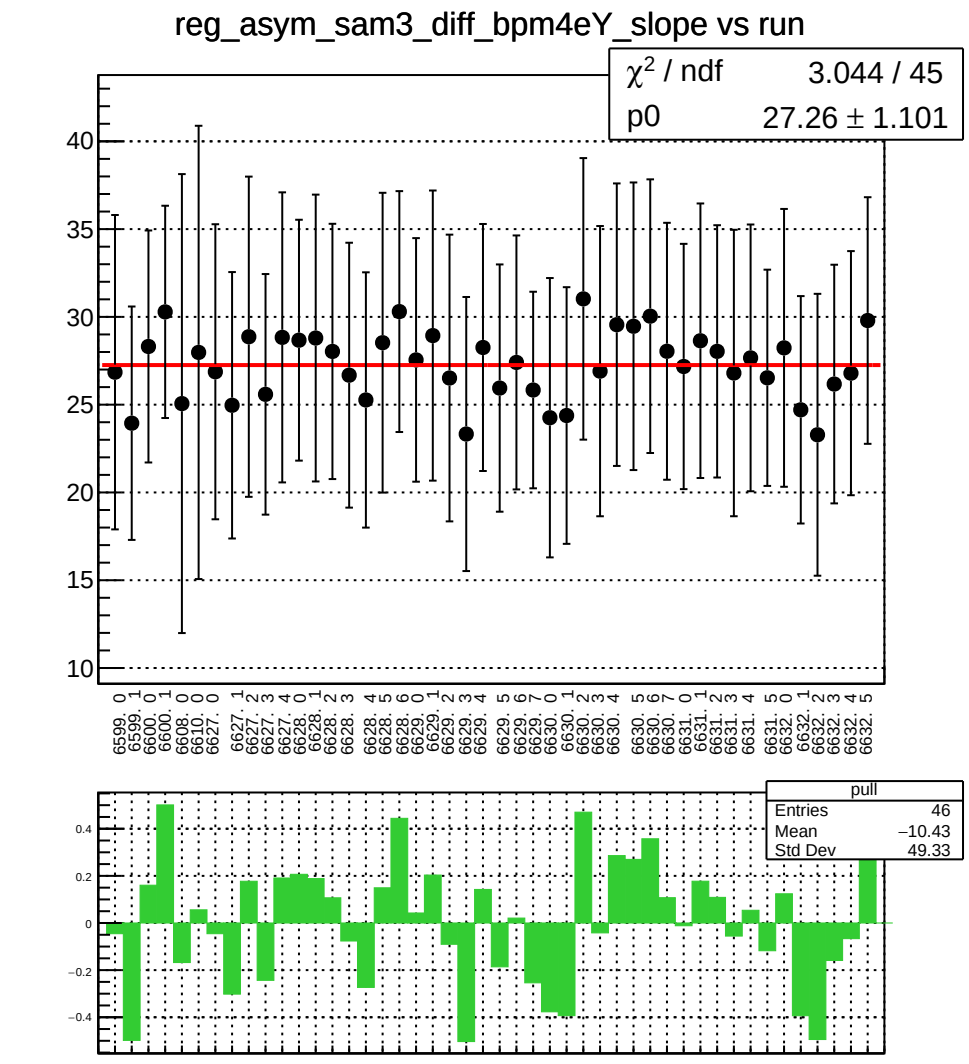

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 6.754 / 45
p0 −39.04 ± 1.441
pull
Entries 46
Mean 119
Std Dev 64.27

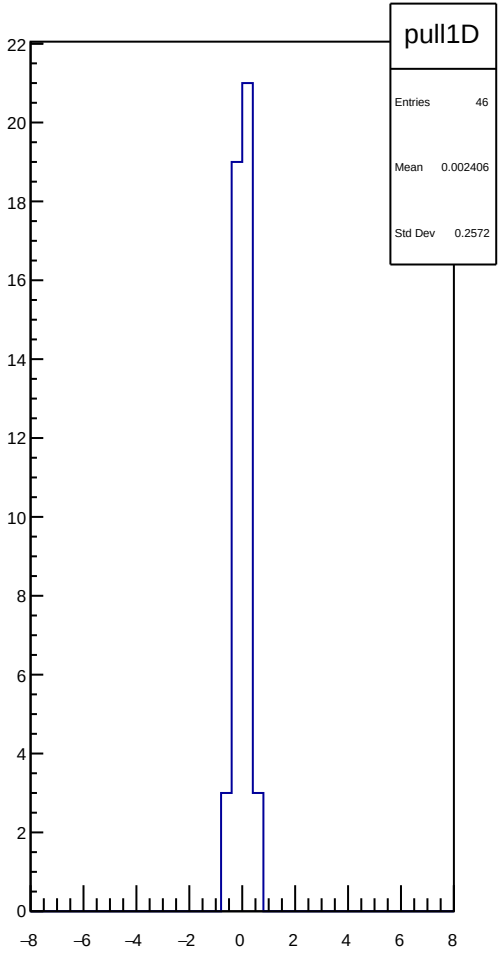

pull1D
Entries 46
Mean 0.005007
Std Dev 0.3831

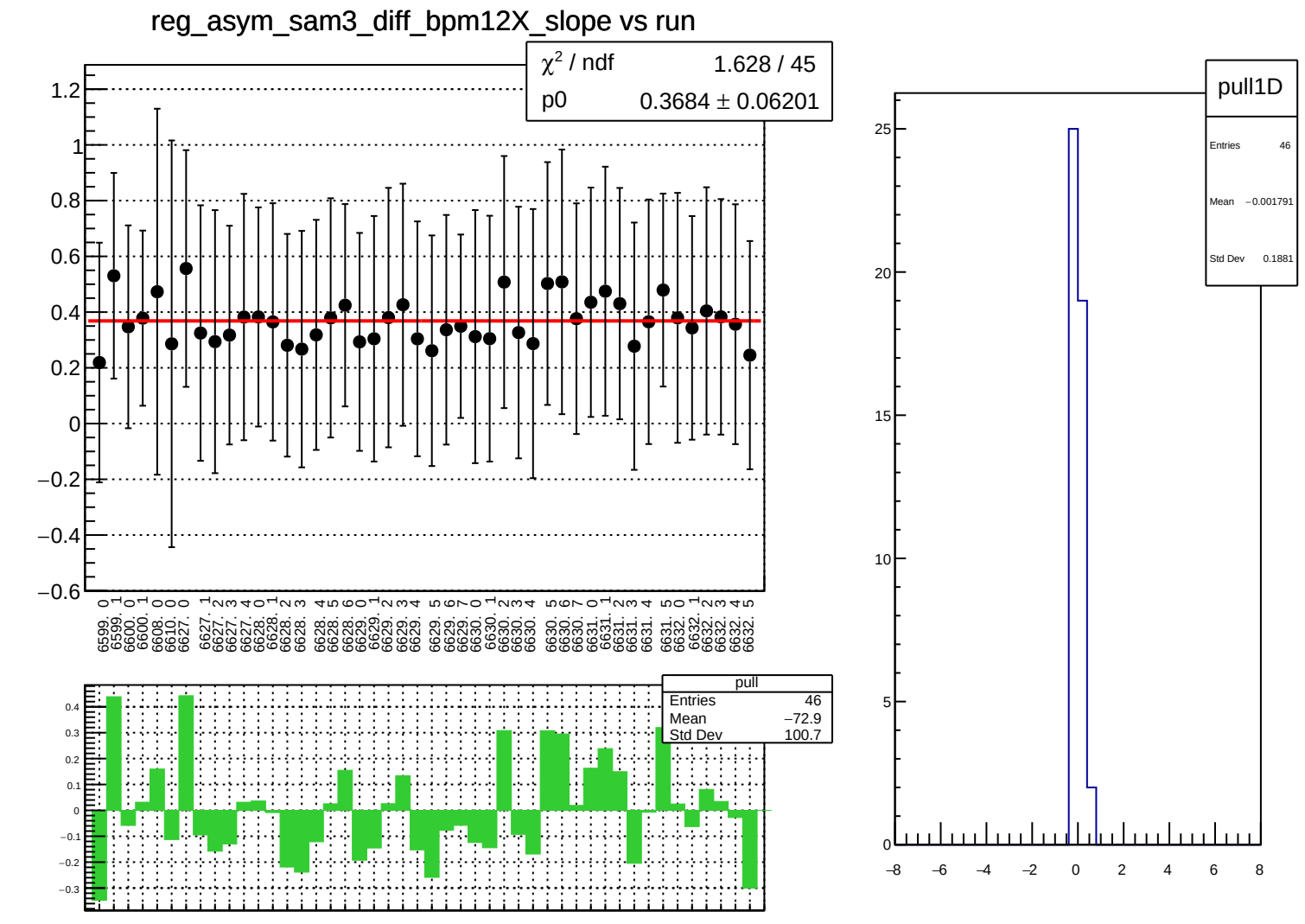

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 2.297 / 45
p0 −5.257 ± 0.9064
pull
Entries 46
Mean −7.139
Std Dev 32.7

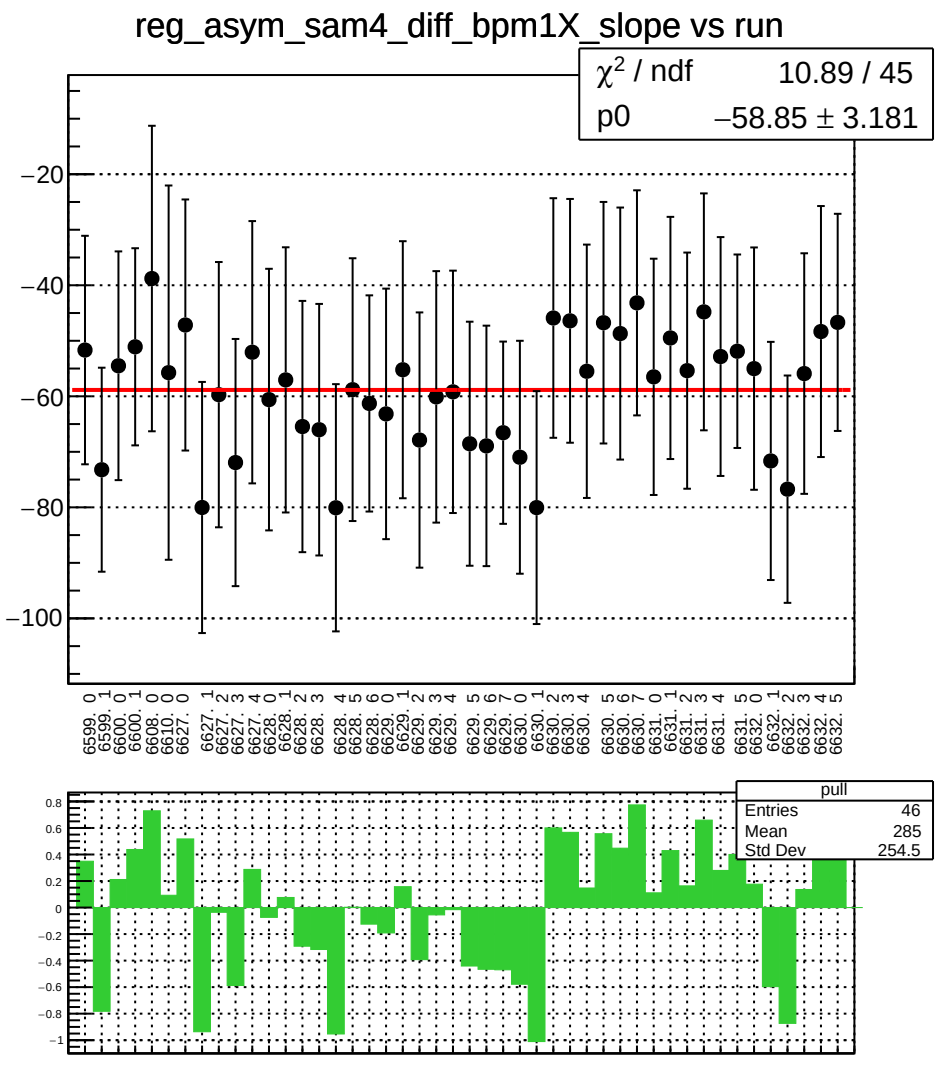

pull1D
Entries 46
Mean −0.00573
Std Dev 0.2234

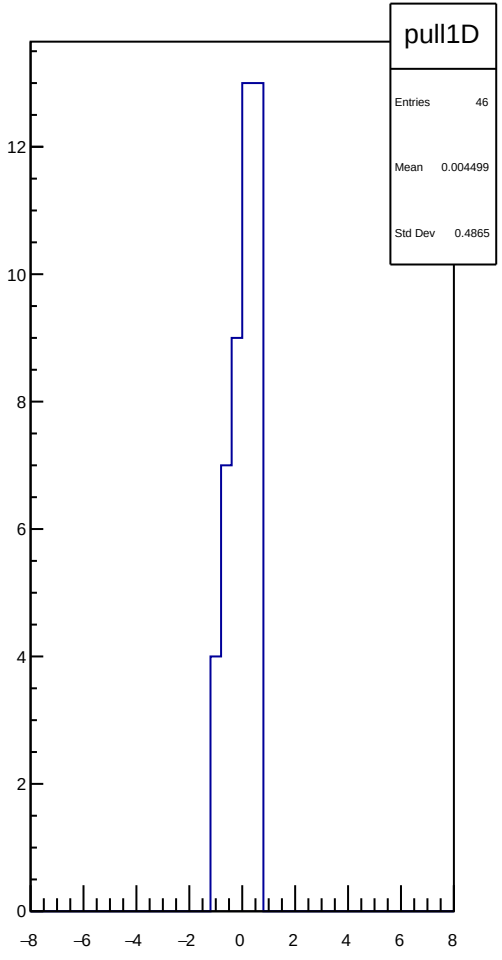

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 10.95 / 45
p0 −82.43 ± 1.542
pull
Entries 46
Mean 35.52
Std Dev 36.8
pull1D
Entries 46
Mean −0.02189
Std Dev 0.4875

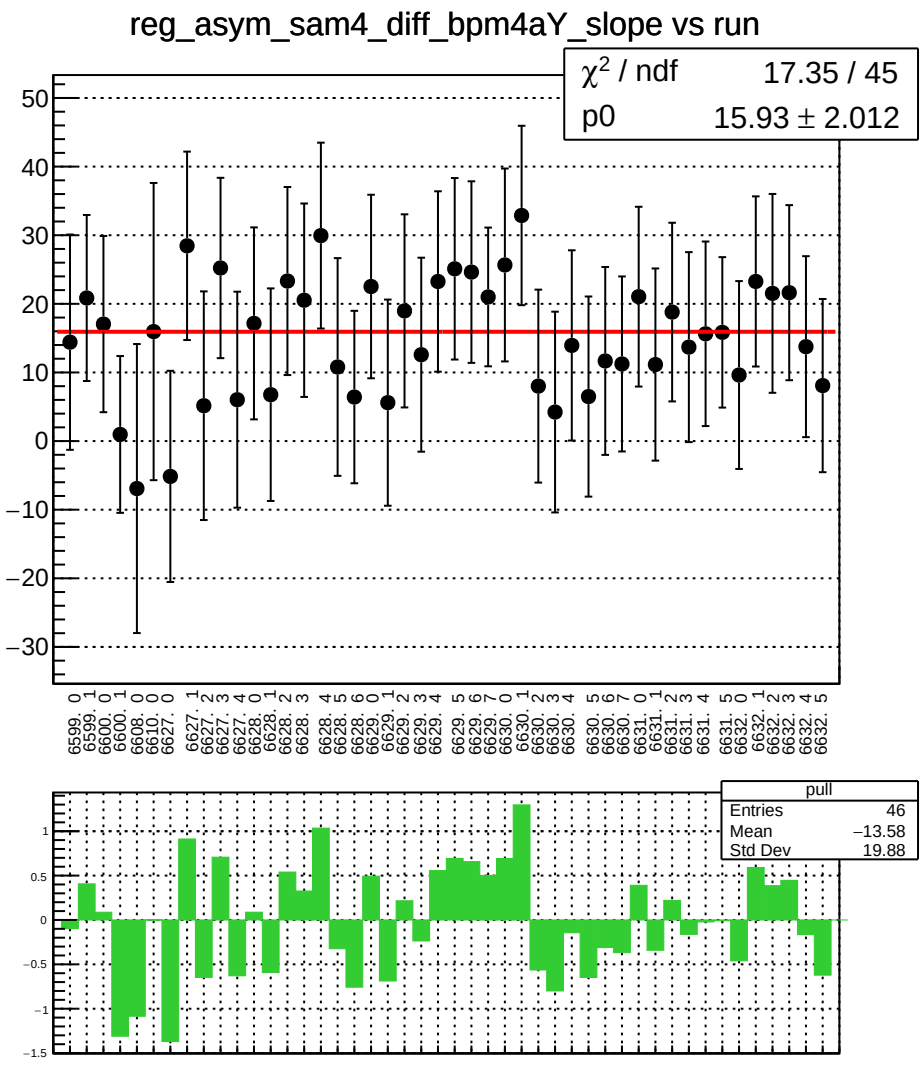

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.044 / 45
p0 27.26 ± 1.101
pull
Entries 46
Mean −10.43
Std Dev 49.33

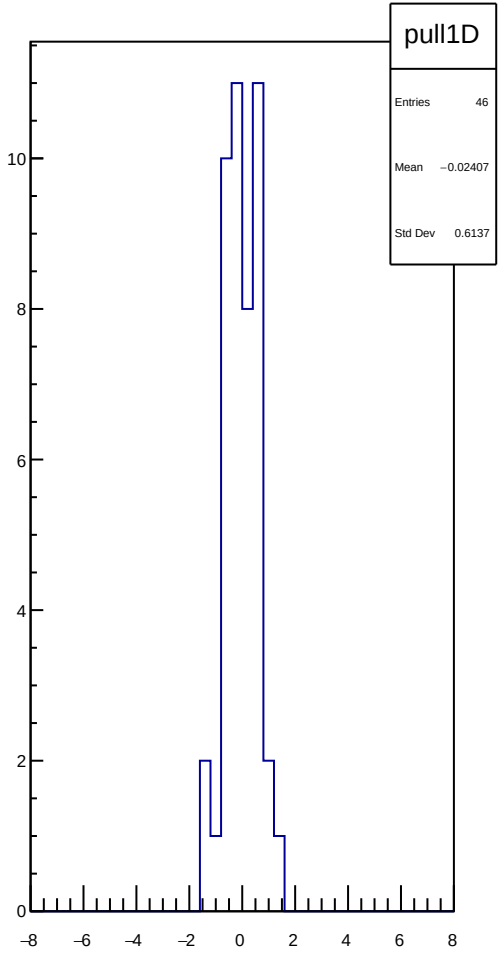

pull1D
Entries 46
Mean 0.002406
Std Dev 0.2572

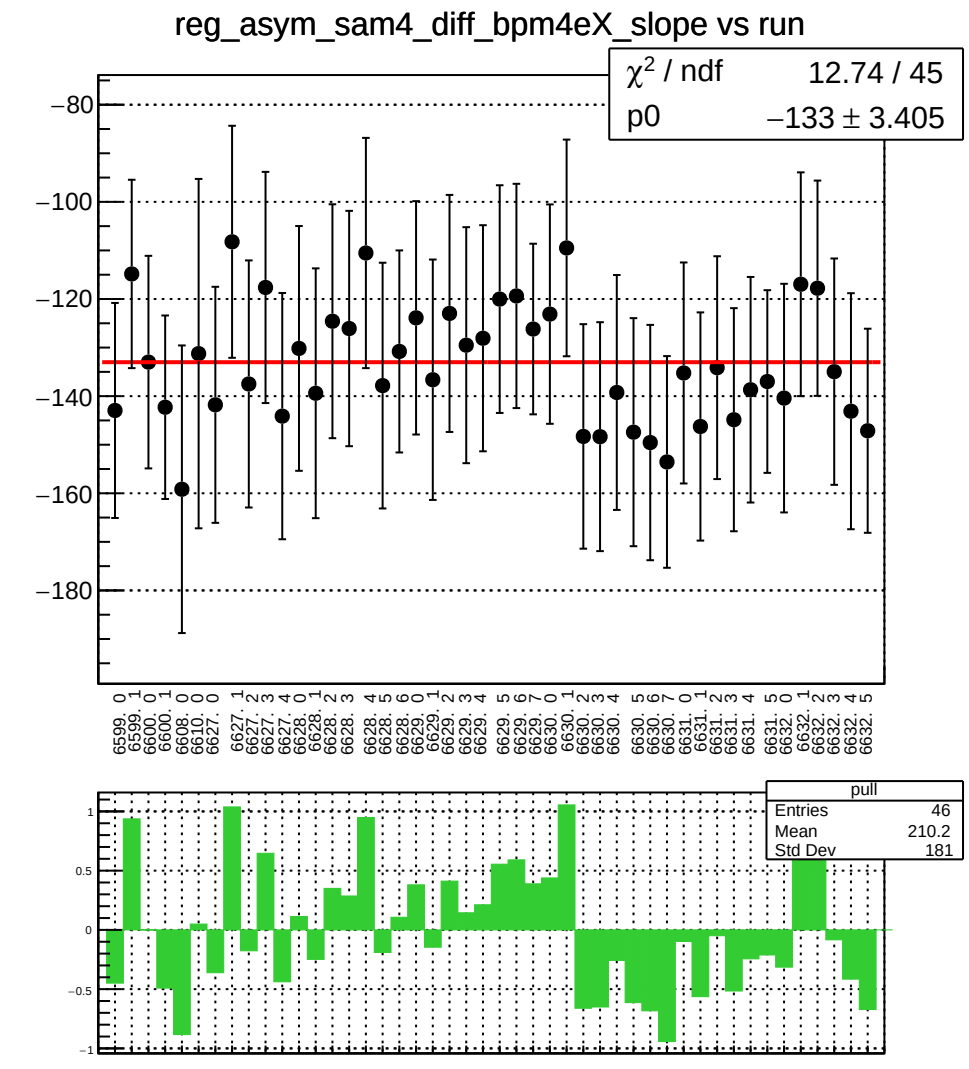

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.628 / 45
p0 0.3684 ± 0.06201
pull
Entries 46
Mean −72.9
Std Dev 100.7
pull1D
Entries 46
Mean −0.001791
Std Dev 0.1881

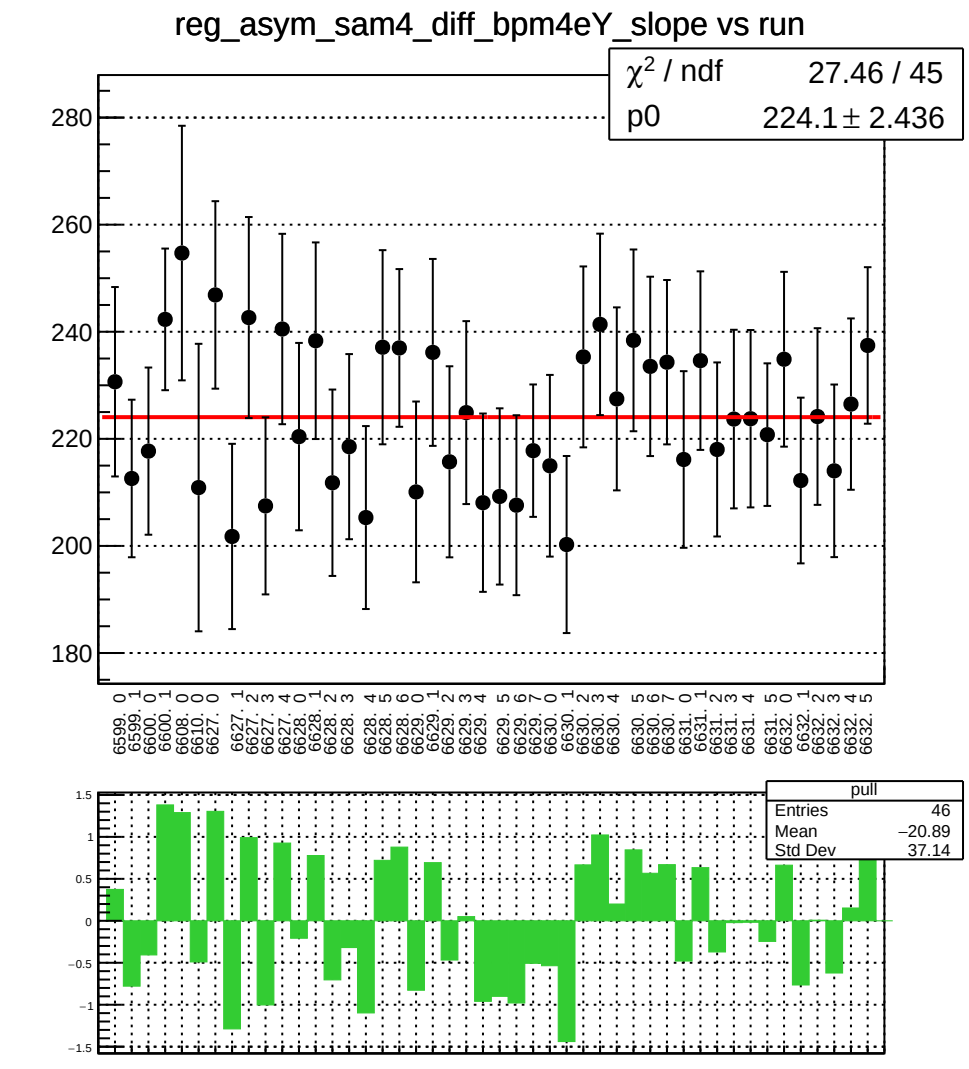

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 10.89 / 45
p0 −58.85 ± 3.181
−20
−40
−60
−80
−100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 285
Std Dev 254.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

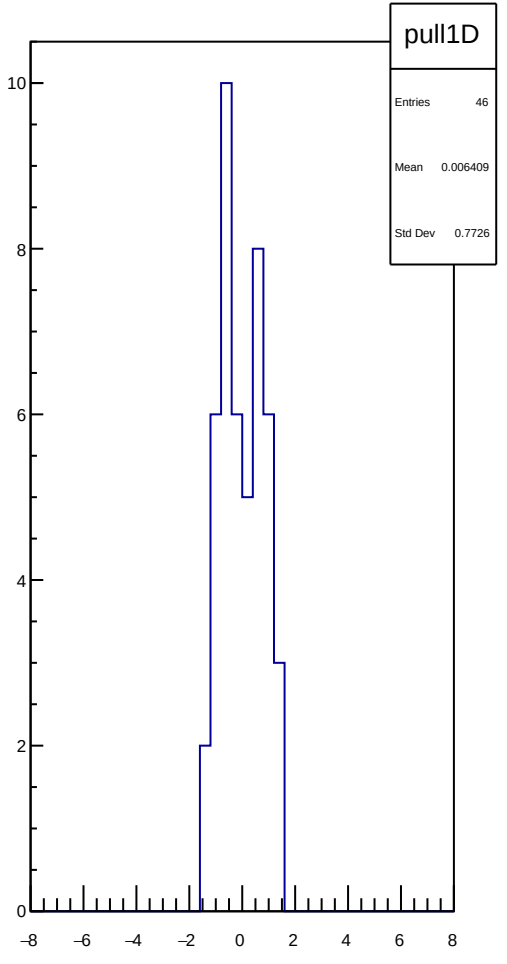

pull1D
Entries 46
Mean 0.004499
Std Dev 0.4865
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

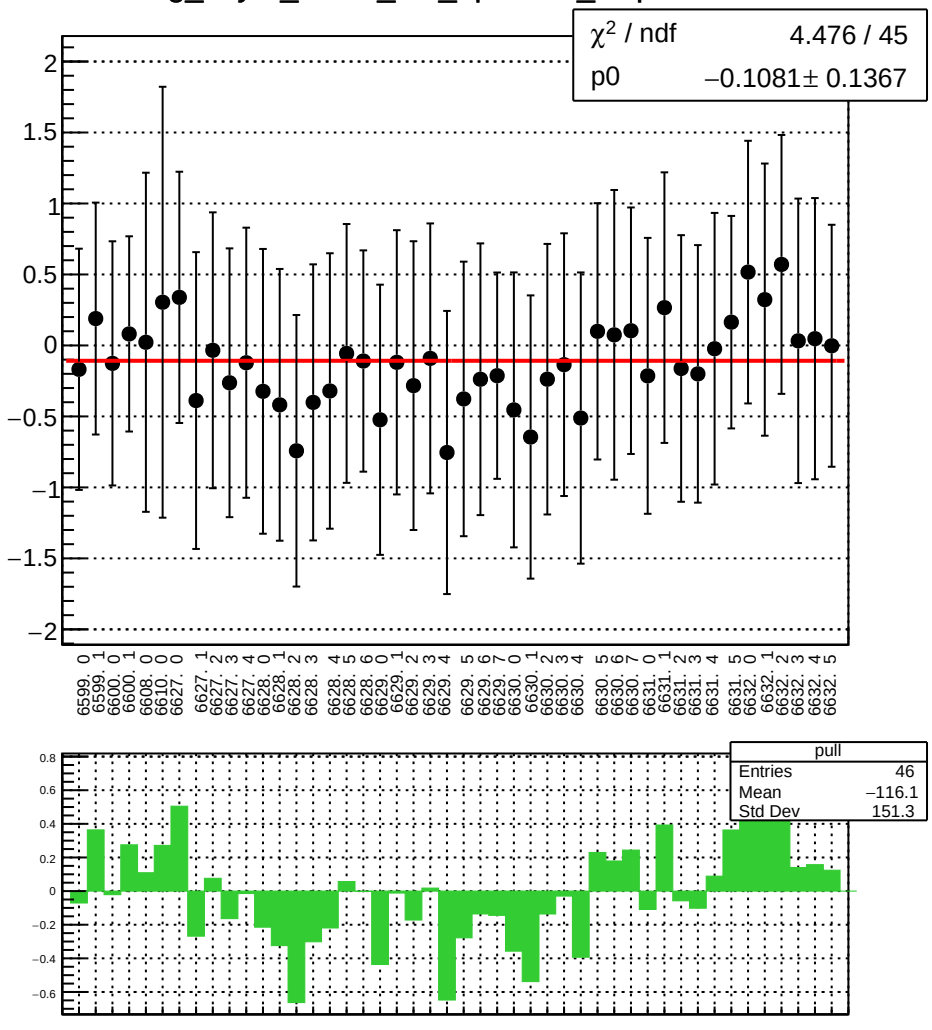

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 17.35 / 45
p0 15.93 ± 2.012
pull
Entries 46
Mean −13.58
Std Dev 19.88

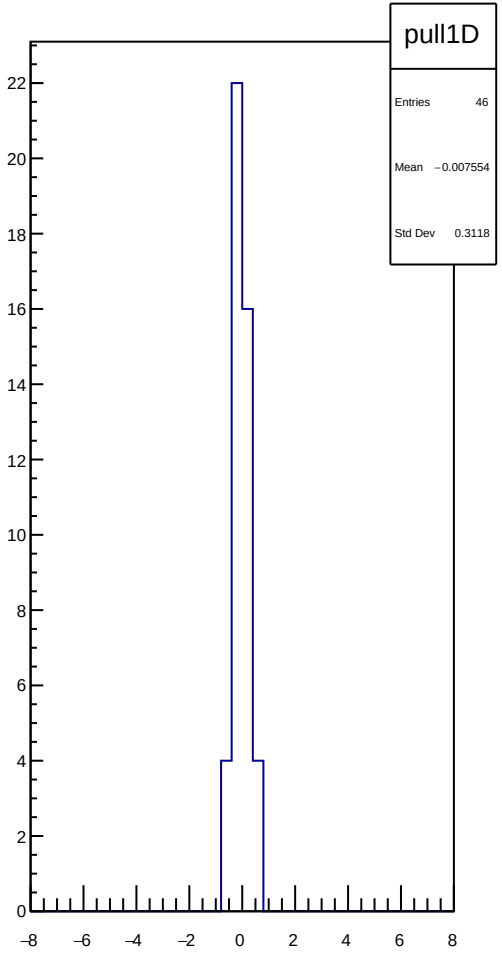

pull1D
Entries 46
Mean −0.02407
Std Dev 0.6137

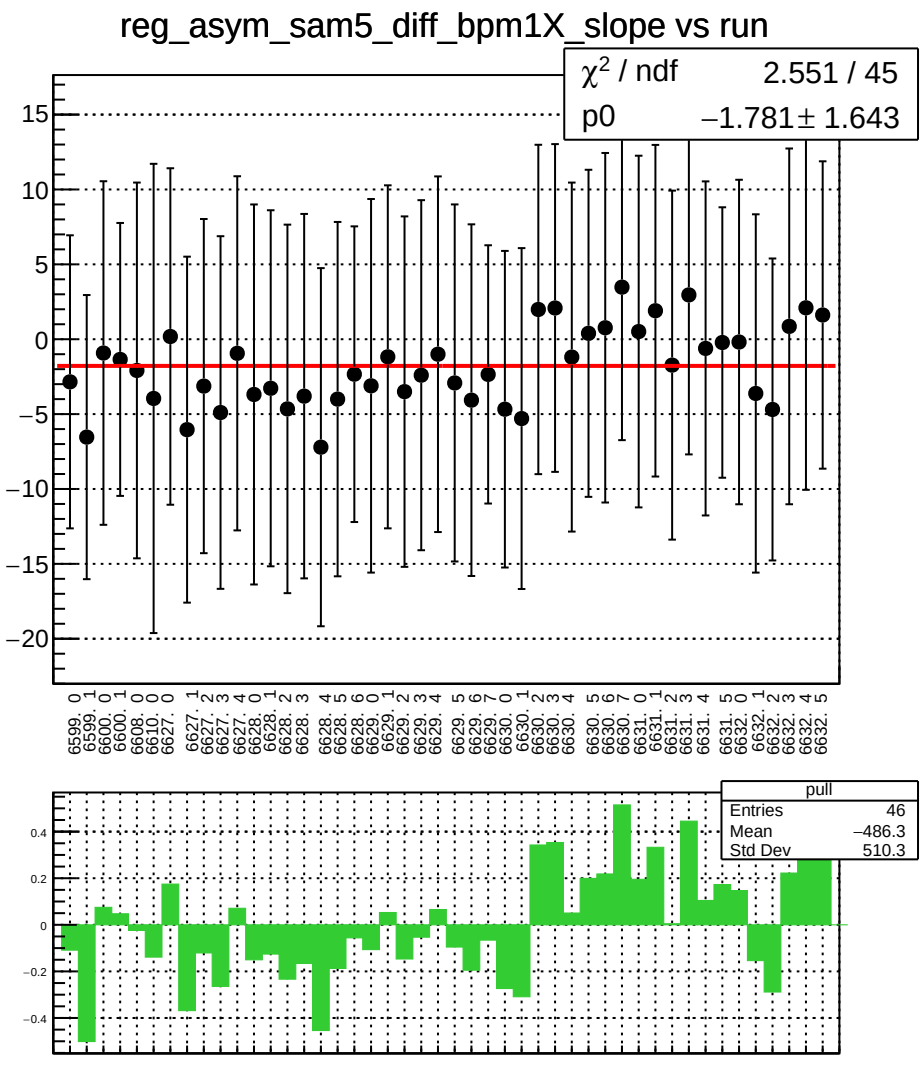

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 12.74 / 45
p0 −133 ± 3.405
−80
−100
−120
−140
−160
−180
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 210.2
Std Dev 181
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.007061
Std Dev 0.5261
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

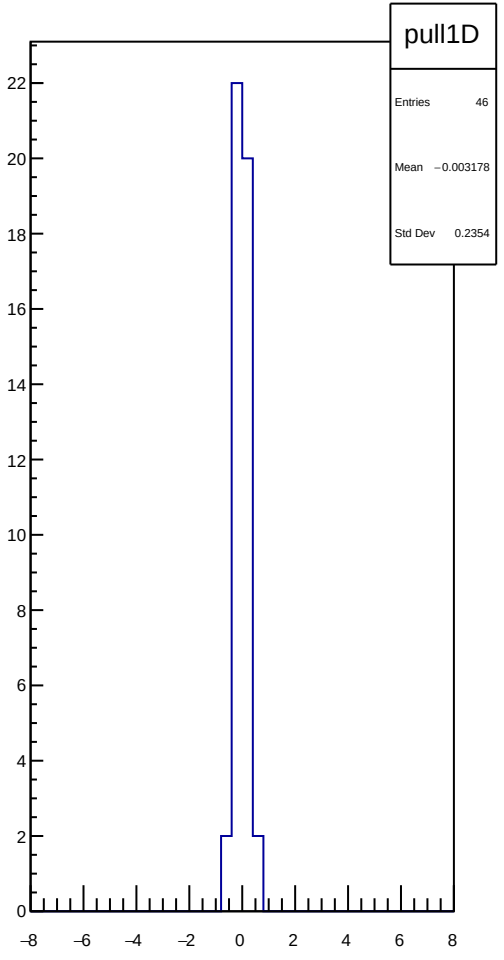

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 27.46 / 45
p0 224.1 ± 2.436
280
260
240
220
200
180
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −20.89
Std Dev 37.14
1.5
1
0.5
0
−0.5
−1
−1.5

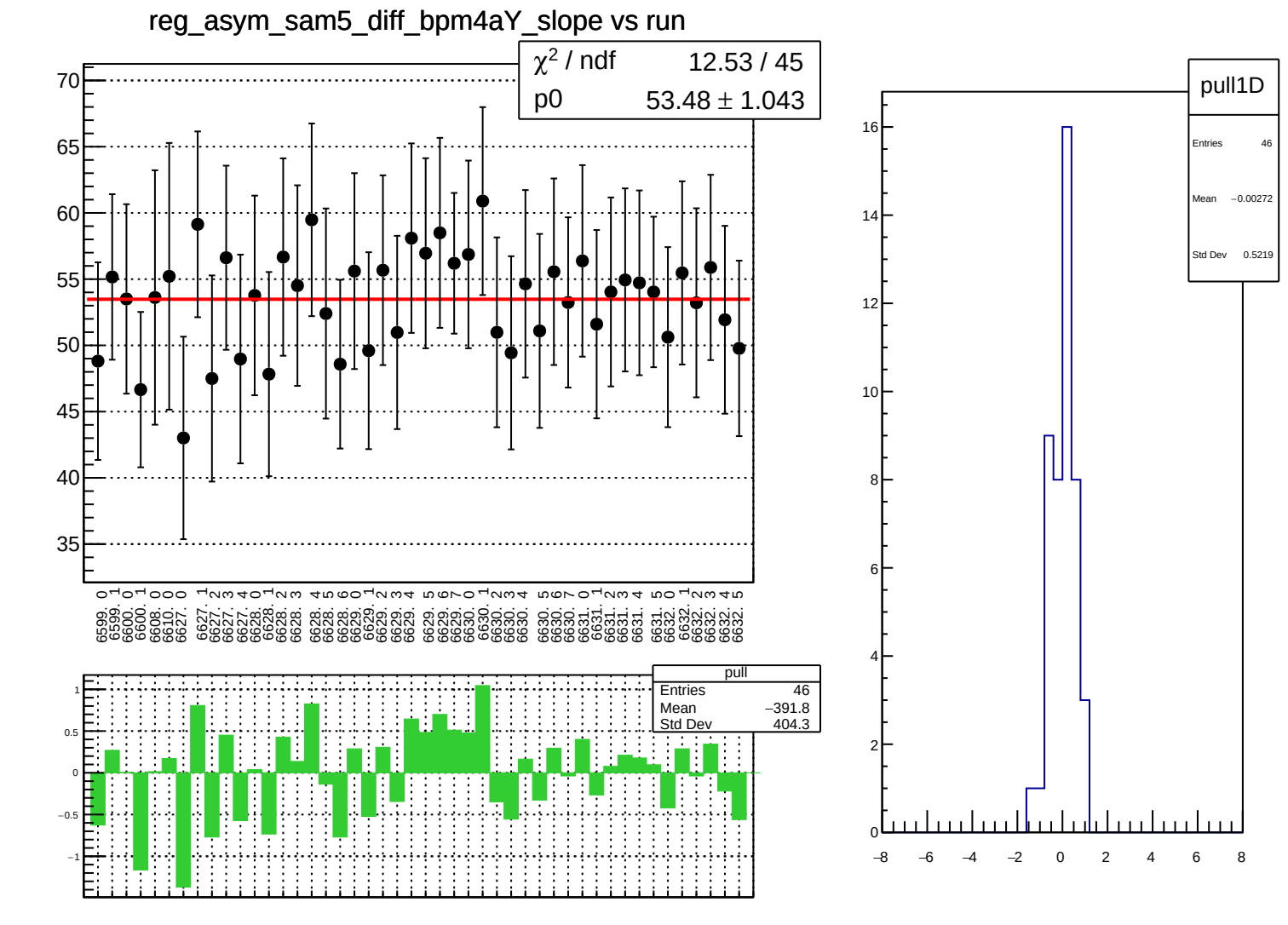

pull1D
Entries 46
Mean 0.006409
Std Dev 0.7726
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

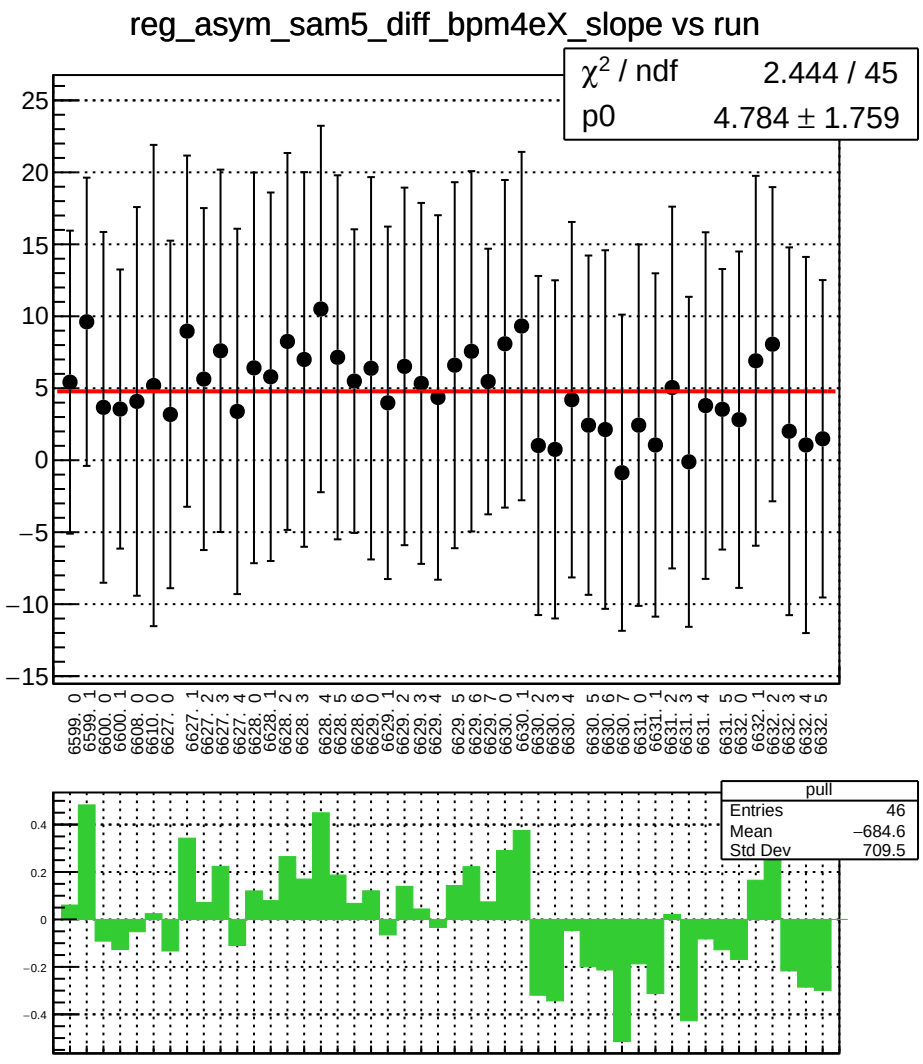

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 4.476 / 45
p0 −0.1081± 0.1367
pull
Entries 46
Mean −116.1
Std Dev 151.3

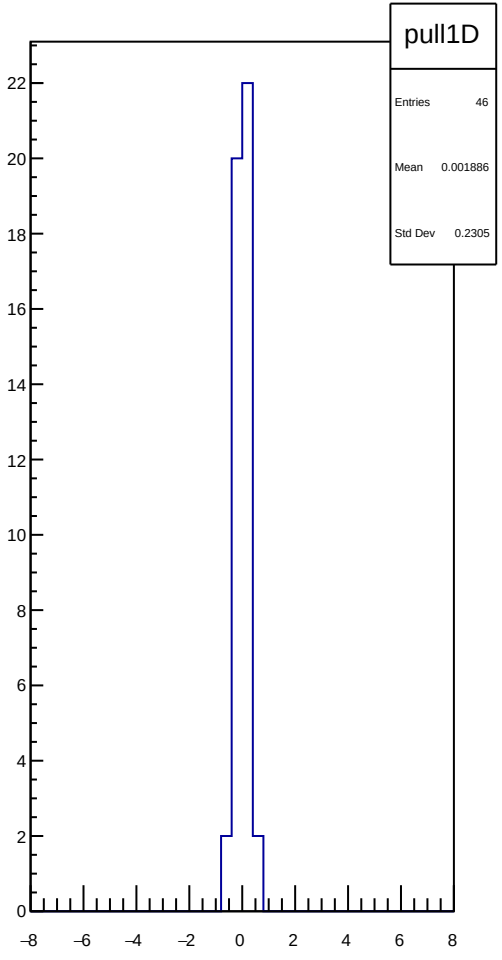

pull1D
Entries 46
Mean −0.007554
Std Dev 0.3118

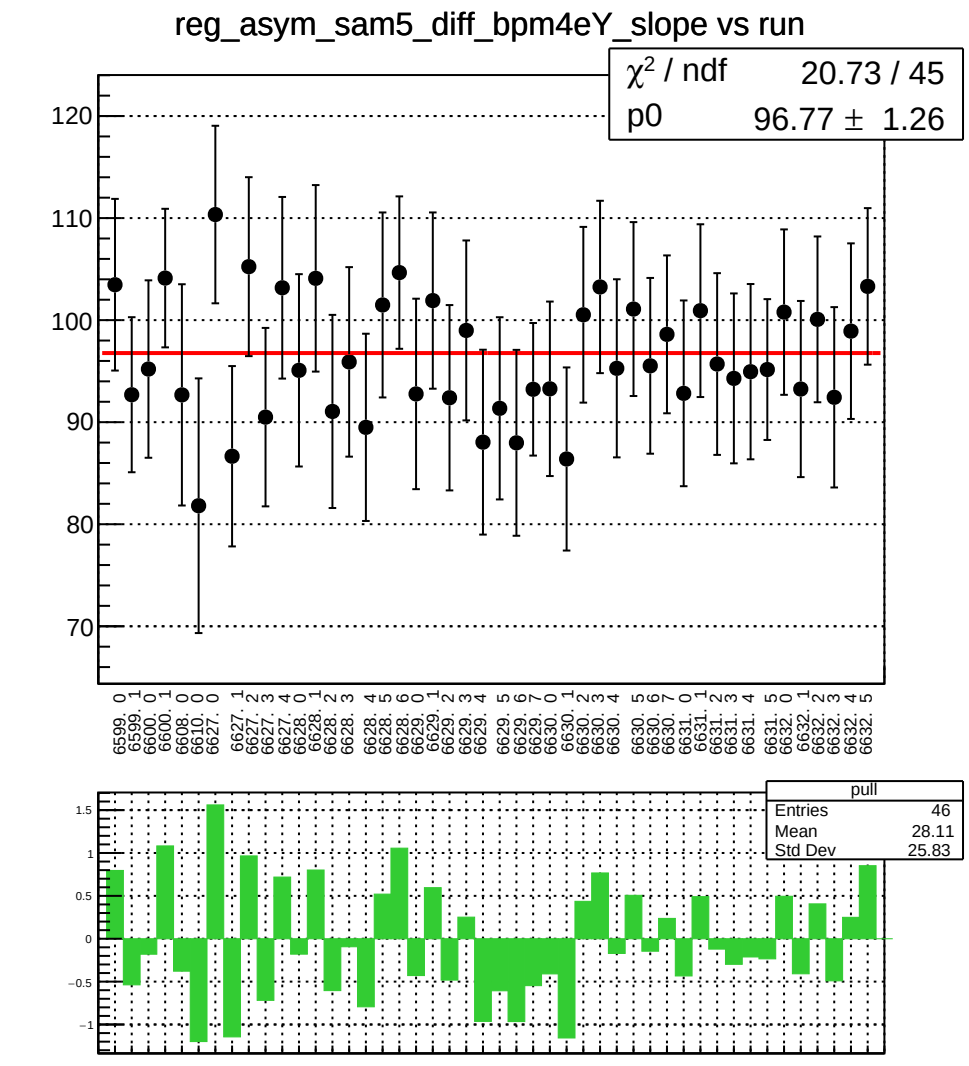

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 2.551 / 45
p0 −1.781± 1.643
pull
Entries 46
Mean −486.3
Std Dev 510.3

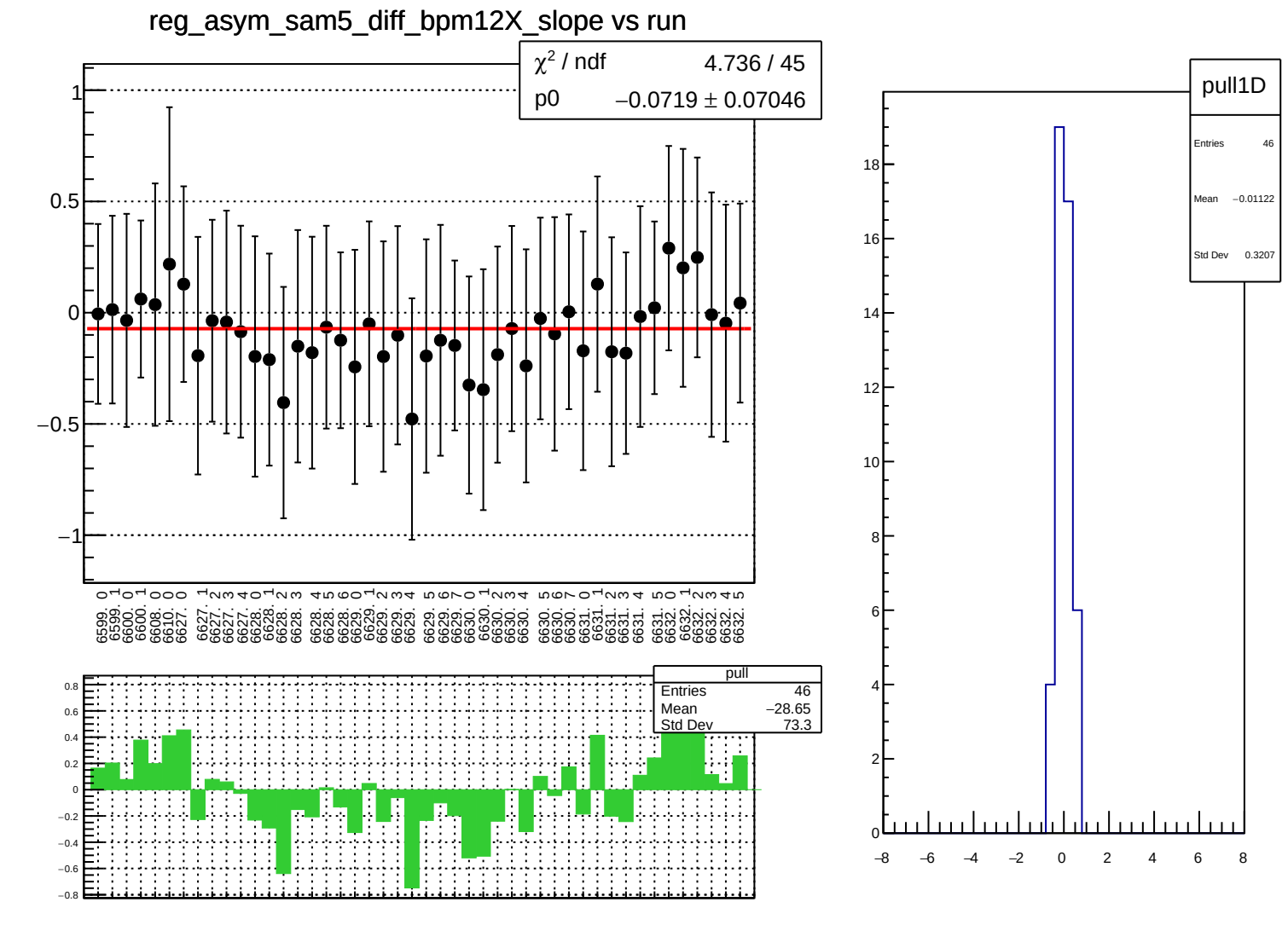

pull1D
Entries 46
Mean −0.003178
Std Dev 0.2354

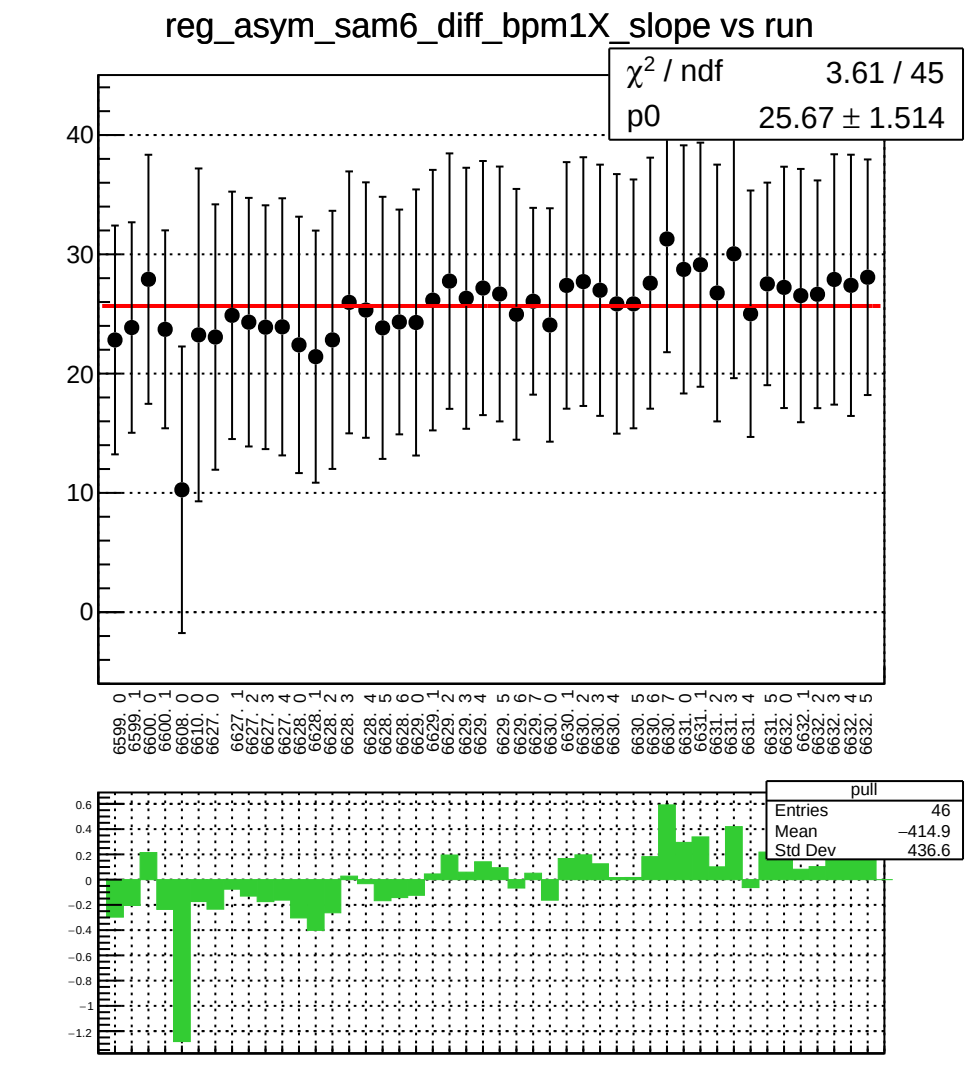

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 12.53 / 45
p0 53.48 ± 1.043
pull
Entries 46
Mean −391.8
Std Dev 404.3
pull1D
Entries 46
Mean −0.00272
Std Dev 0.5219

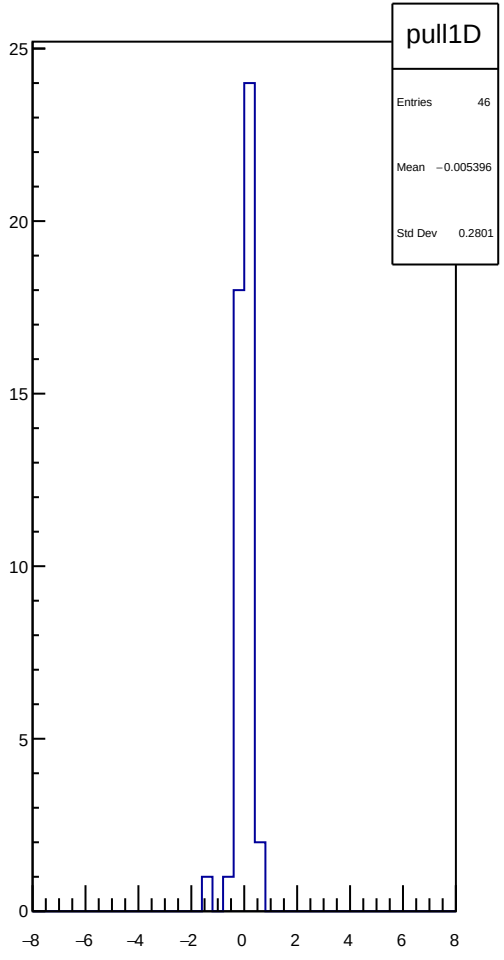

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.444 / 45
p0 4.784 ± 1.759
pull
Entries 46
Mean −684.6
Std Dev 709.5

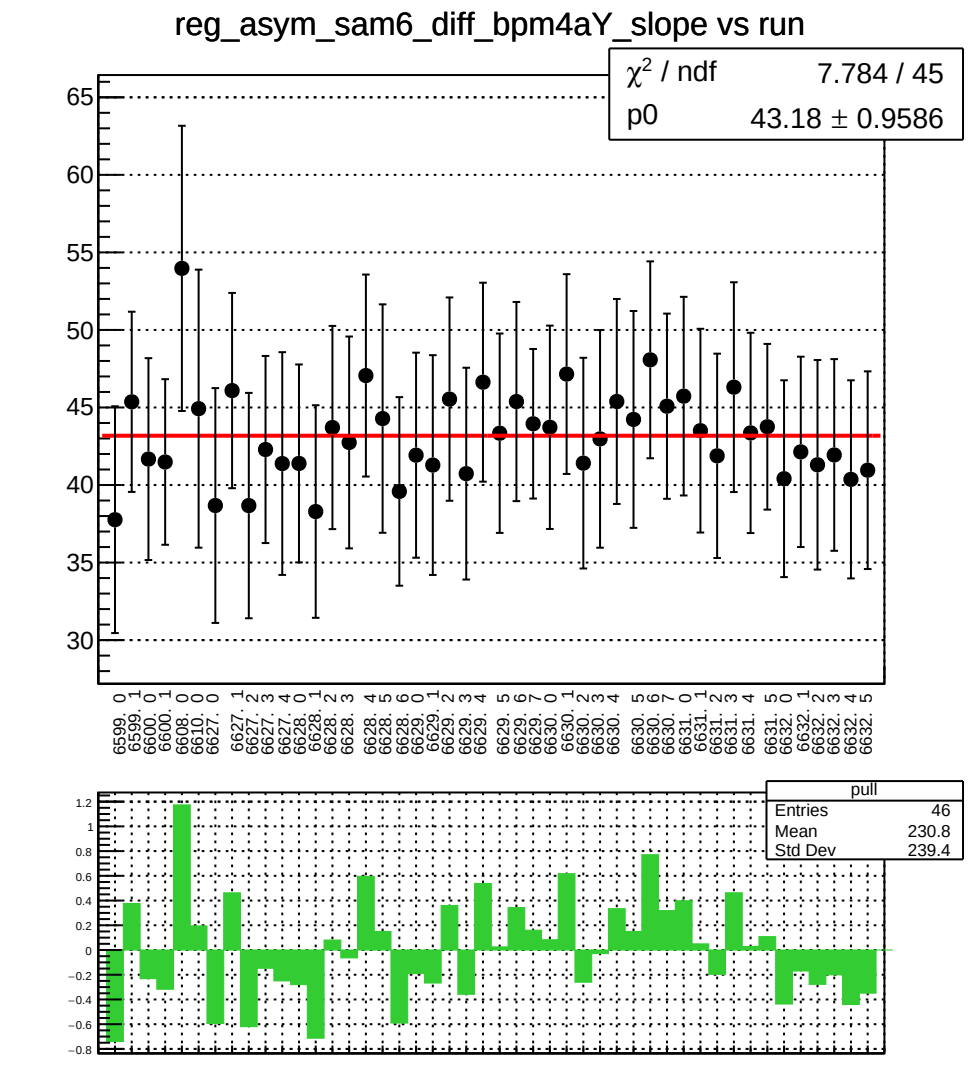

pull1D
Entries 46
Mean 0.001886
Std Dev 0.2305

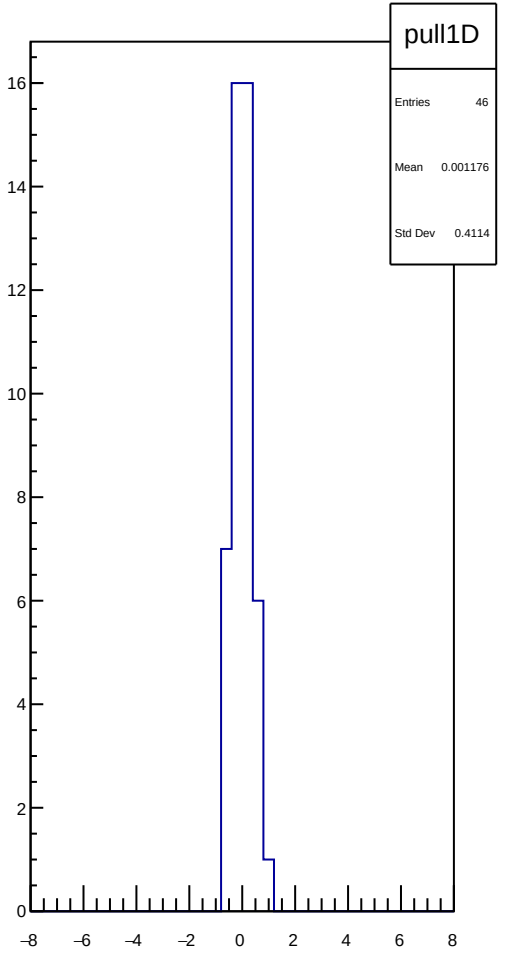

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 20.73 / 45
p0 96.77 ± 1.26
120
110
100
90
80
70
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 28.11
Std Dev 25.83
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.02424
Std Dev 0.6708
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

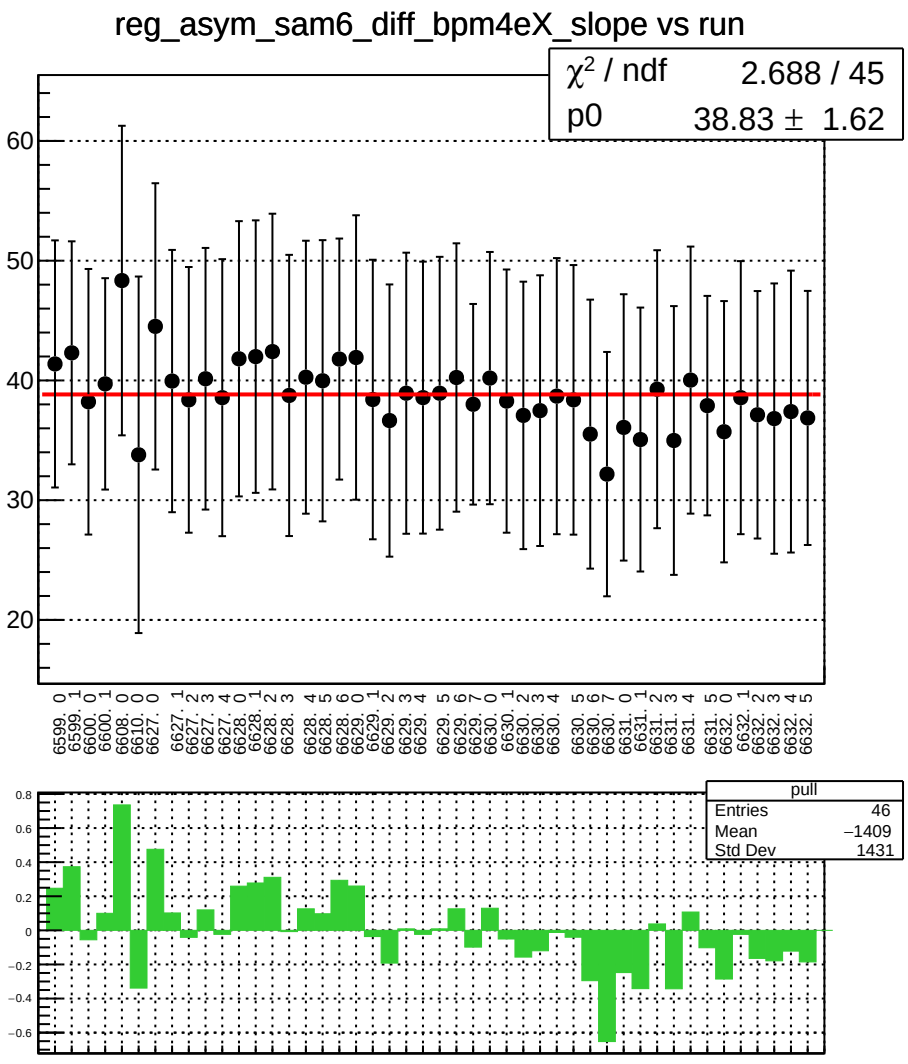

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 4.736 / 45
p0 −0.0719 ± 0.07046
pull
Entries 46
Mean −28.65
Std Dev 73.3
pull1D
Entries 46
Mean −0.01122
Std Dev 0.3207

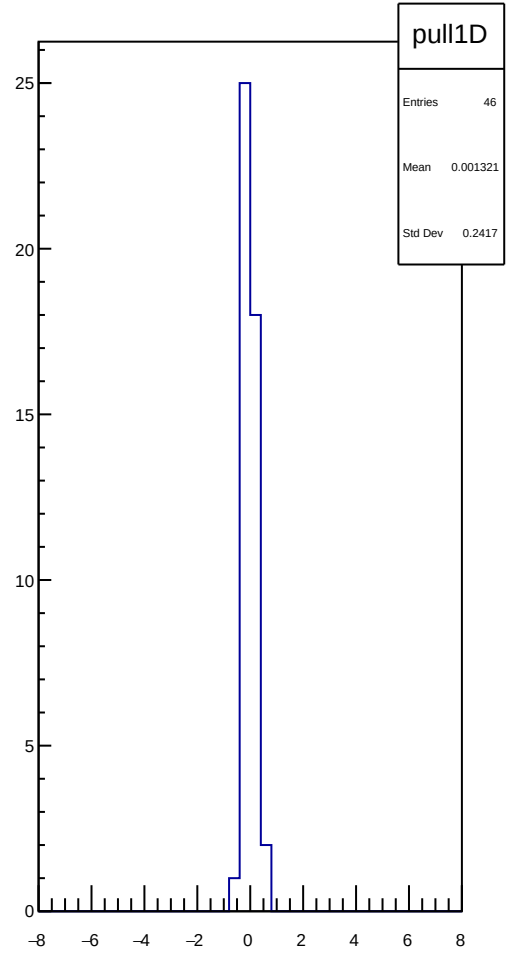

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 3.61 / 45
p0 25.67 ± 1.514
pull
Entries 46
Mean −414.9
Std Dev 436.6

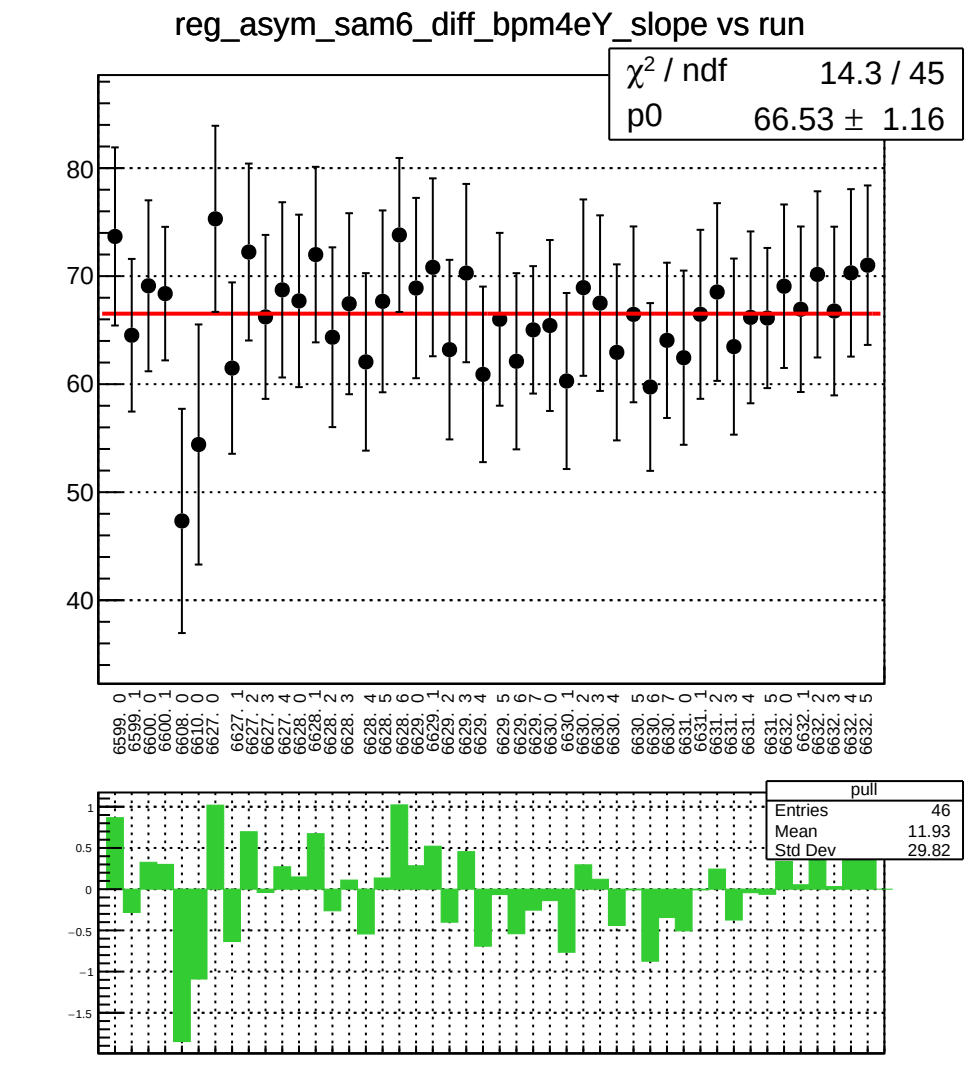

pull1D
Entries 46
Mean −0.005396
Std Dev 0.2801

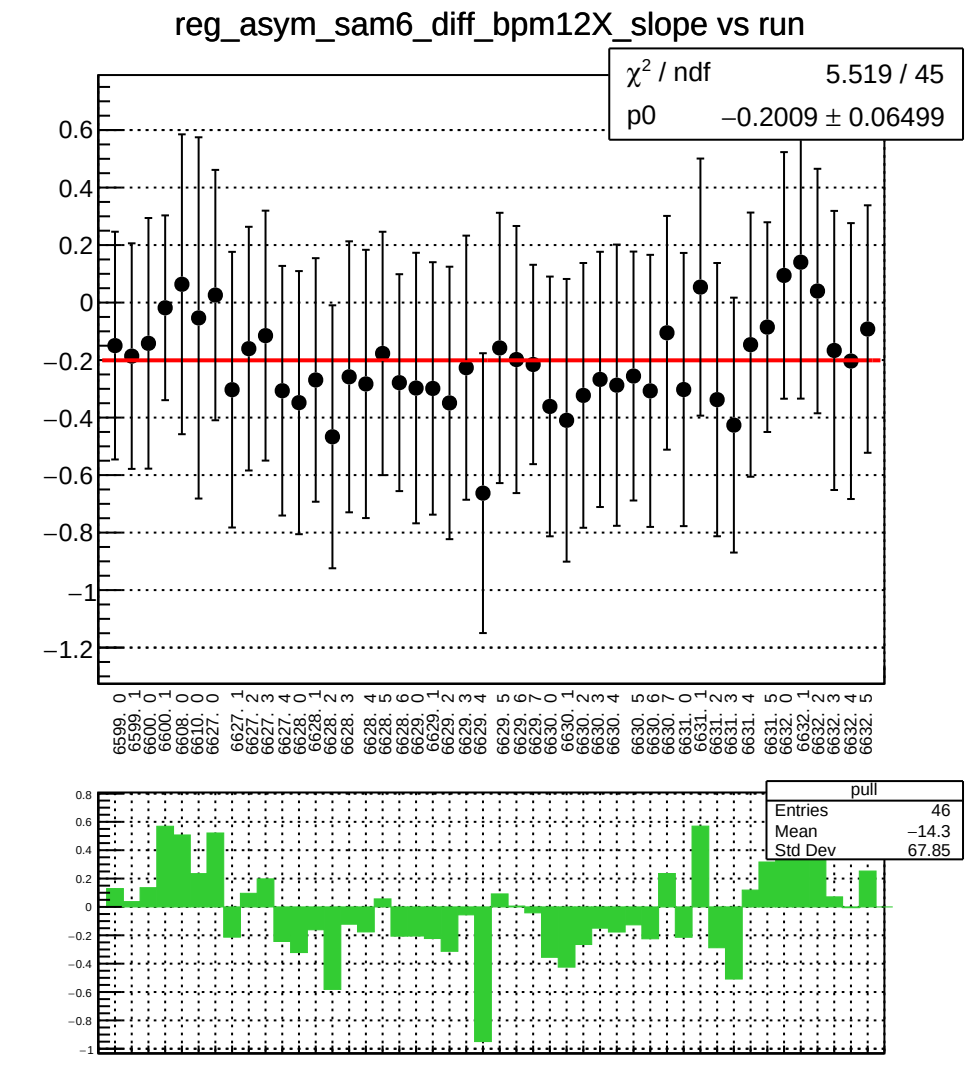

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 7.784 / 45
p0 43.18 ± 0.9586
pull
Entries 46
Mean 230.8
Std Dev 239.4

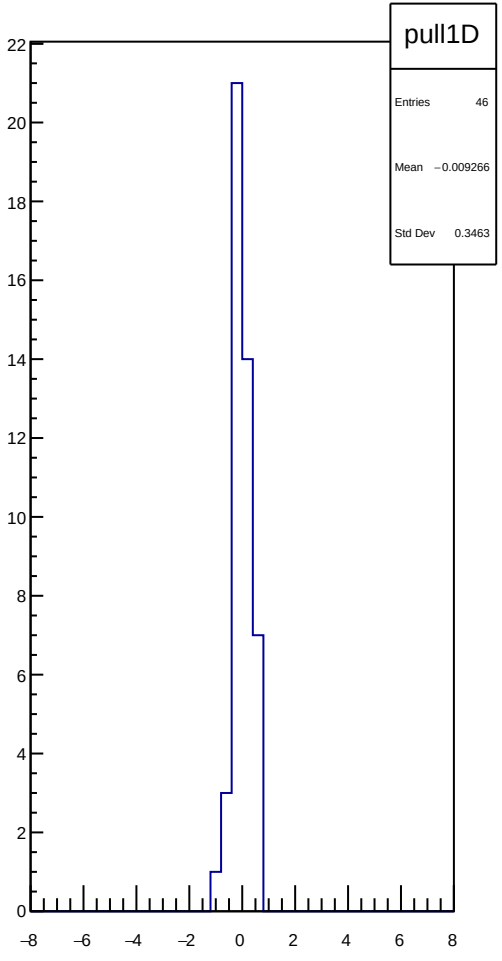

pull1D
Entries 46
Mean 0.001176
Std Dev 0.4114

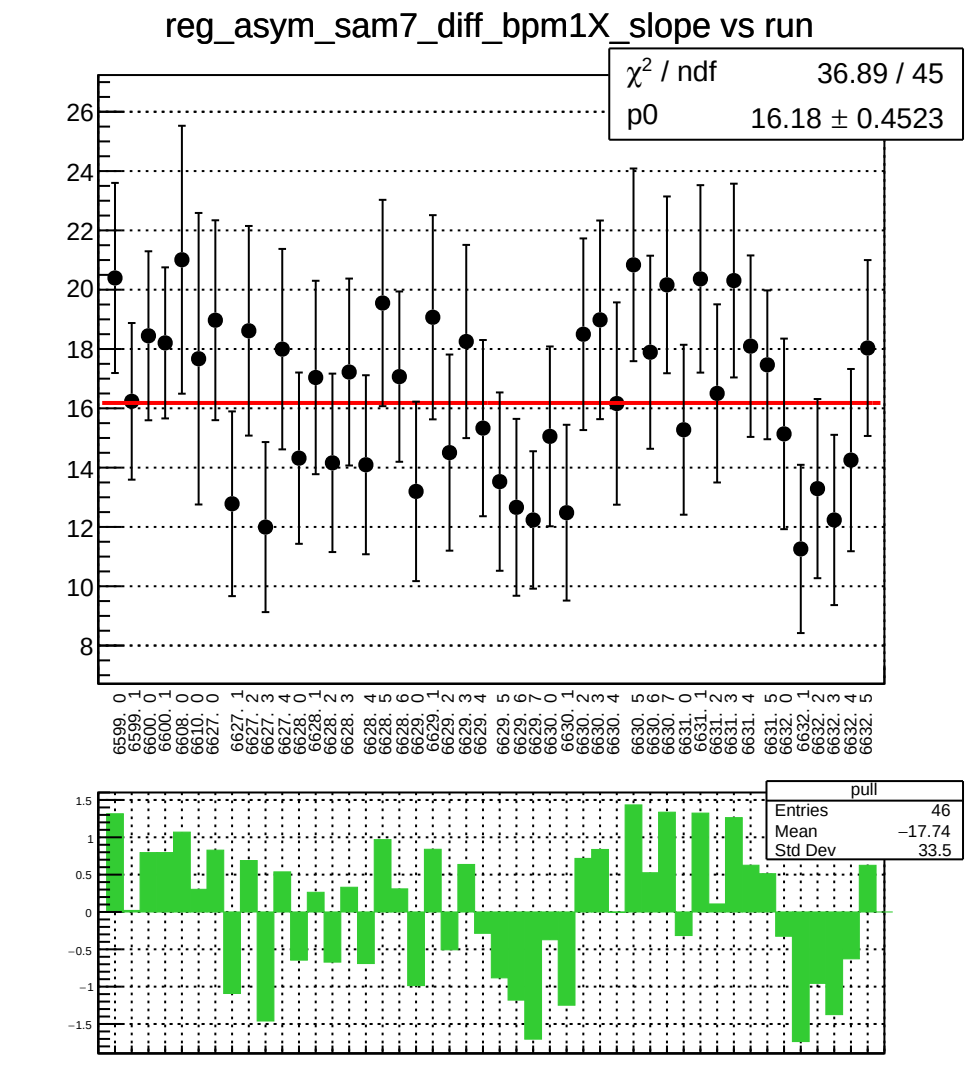

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.688 / 45
p0 38.83 ± 1.62
pull
Entries 46
Mean −1409
Std Dev 1431

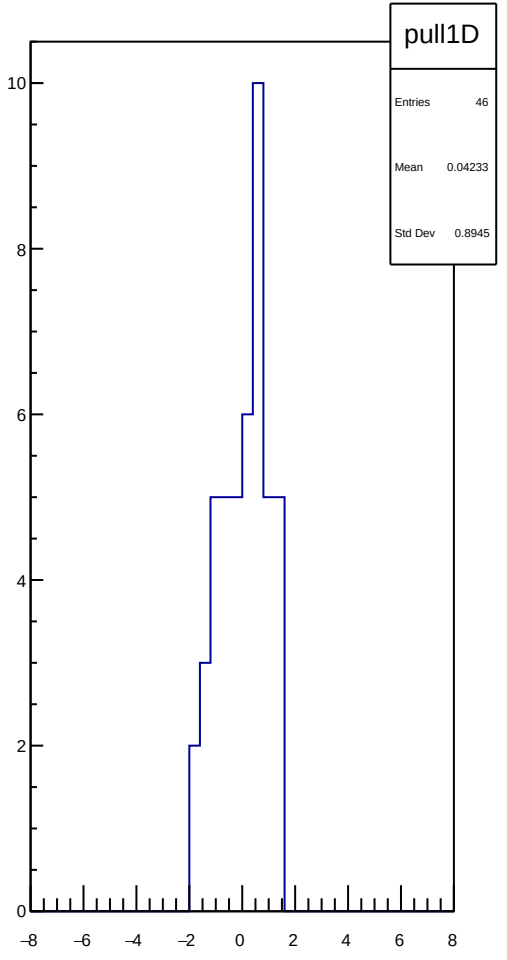

pull1D
Entries 46
Mean 0.001321
Std Dev 0.2417

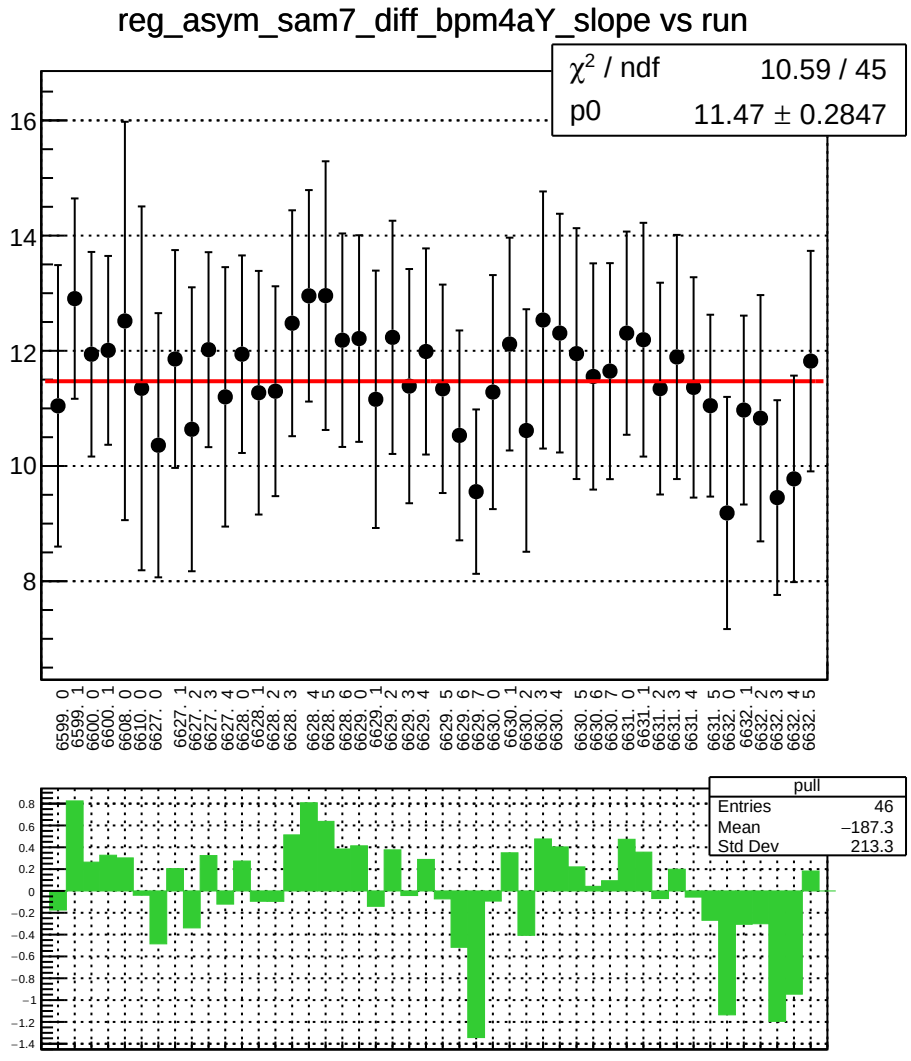

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 14.3 / 45
p0 66.53 ± 1.16
80
70
60
50
40
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 11.93
Std Dev 29.82
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.01599
Std Dev 0.5573
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

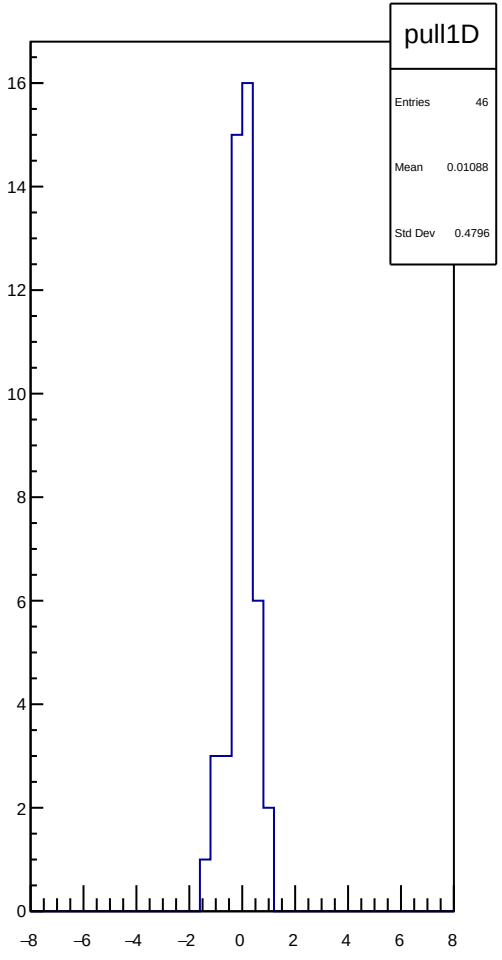

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 5.519 / 45
p0 −0.2009 ± 0.06499
pull
Entries 46
Mean −14.3
Std Dev 67.85

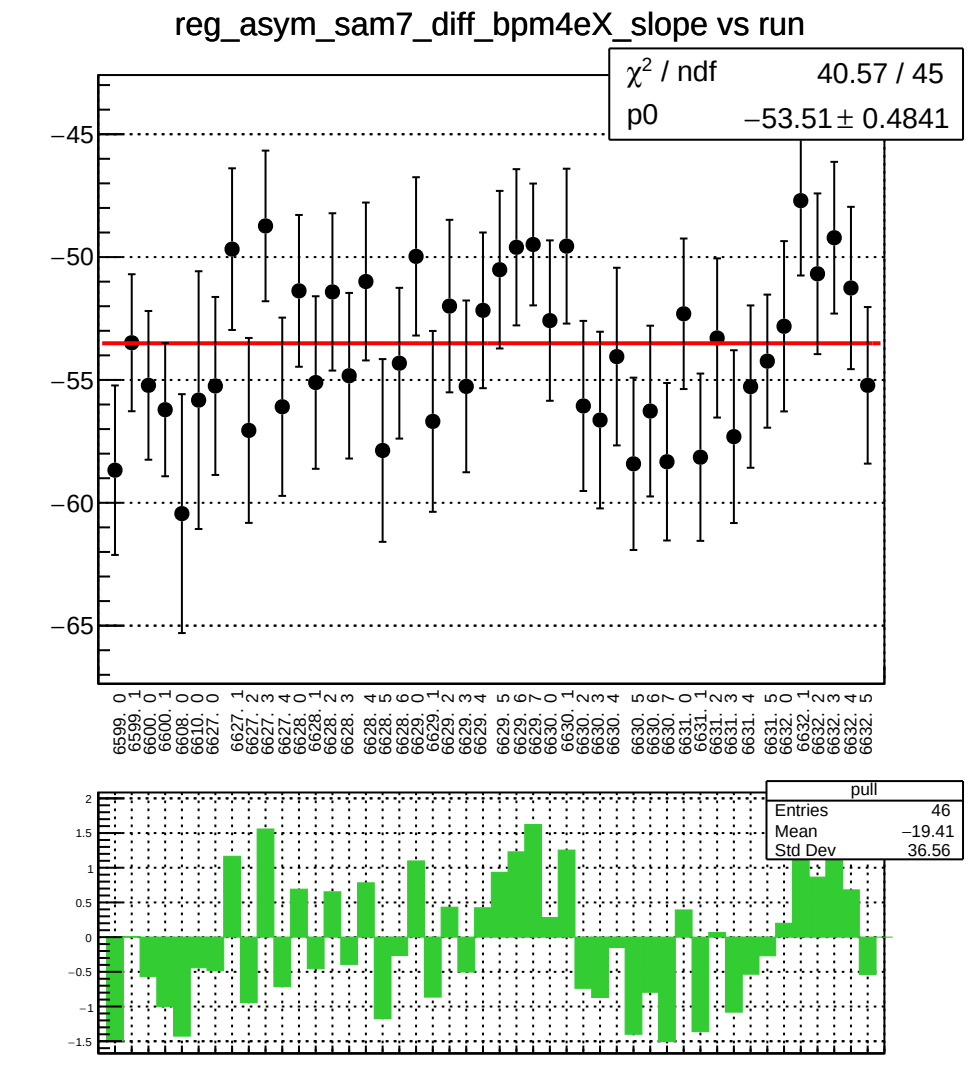

pull1D
Entries 46
Mean −0.009266
Std Dev 0.3463

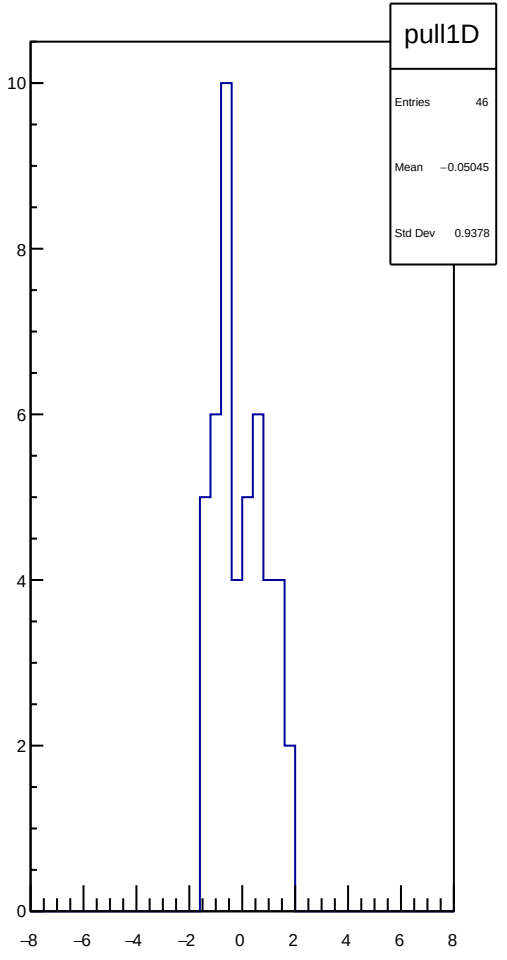

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 36.89 / 45
p0 16.18 ± 0.4523
pull
Entries 46
Mean −17.74
Std Dev 33.5

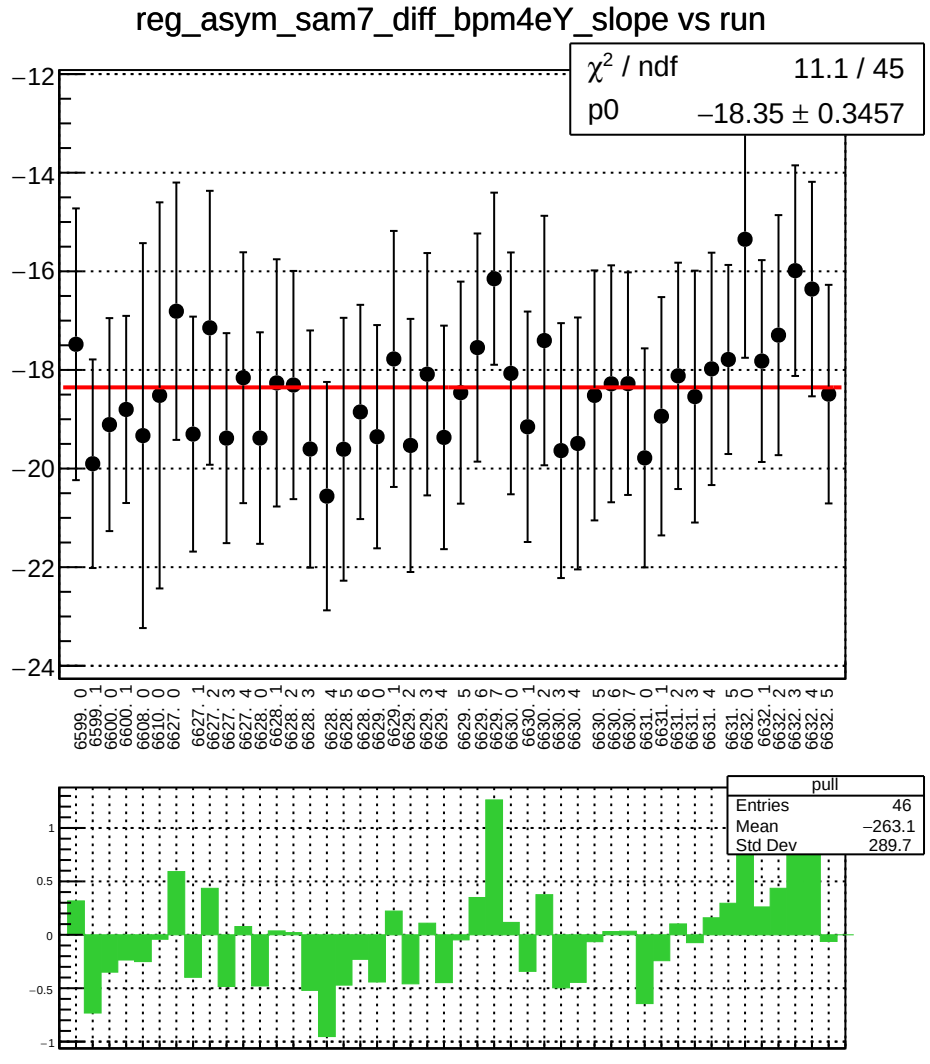

pull1D
Entries 46
Mean 0.04233
Std Dev 0.8945

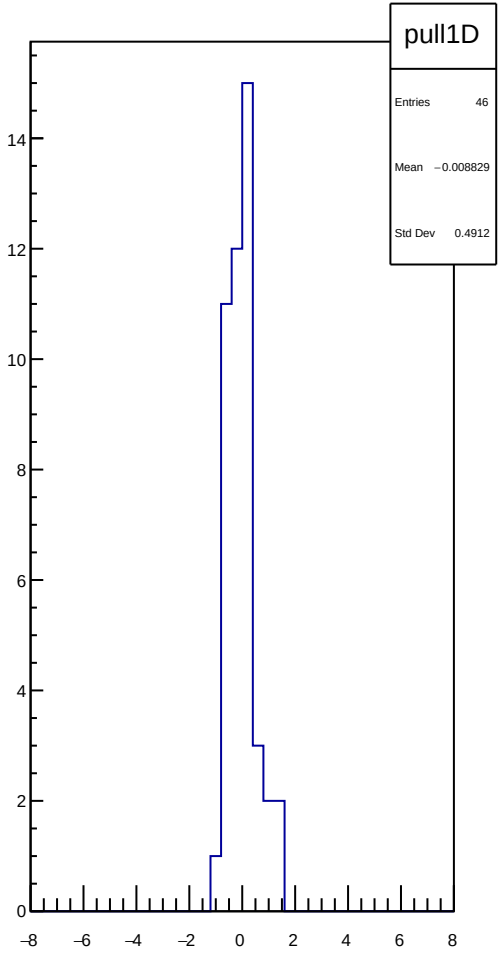

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 10.59 / 45
p0 11.47 ± 0.2847
pull
Entries 46
Mean −187.3
Std Dev 213.3

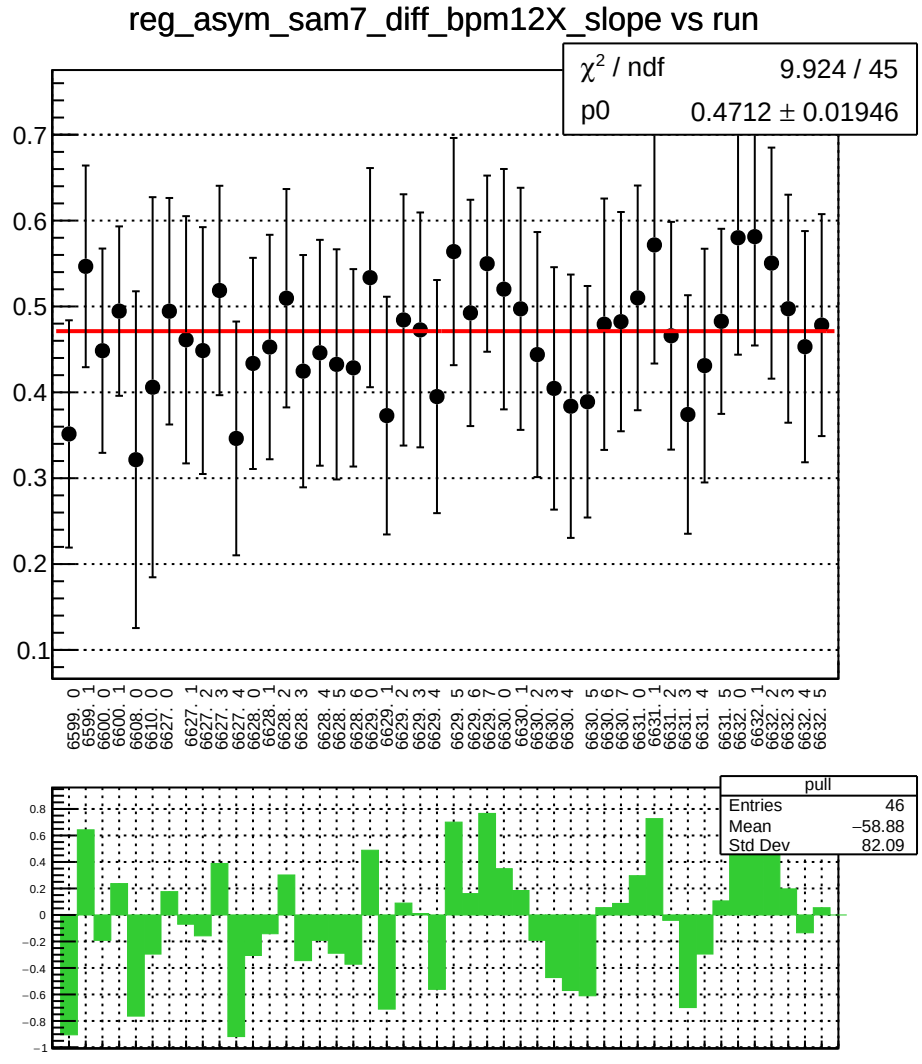

pull1D
Entries 46
Mean 0.01088
Std Dev 0.4796

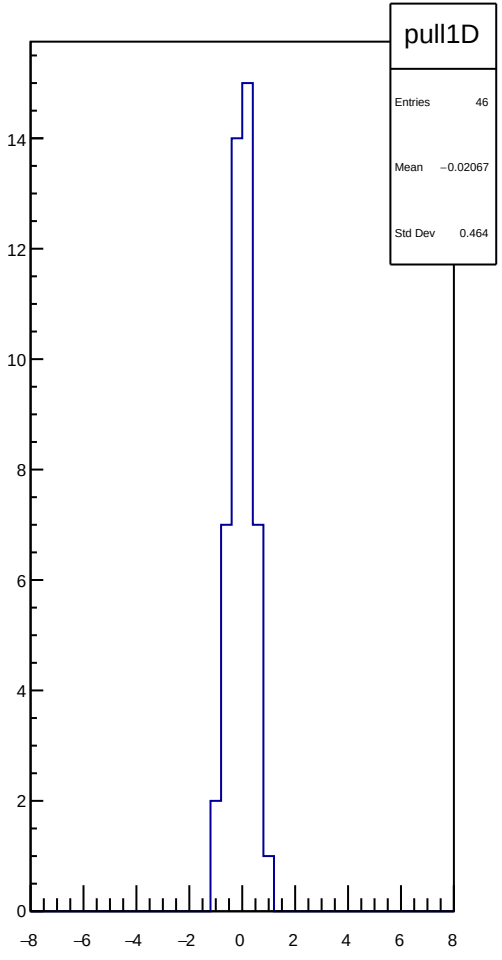

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 40.57 / 45
p0 −53.51 ± 0.4841
−45
−50
−55
−60
−65
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −19.41
Std Dev 36.56
2
1.5
1
0.5
0
−0.5
−1
−1.5

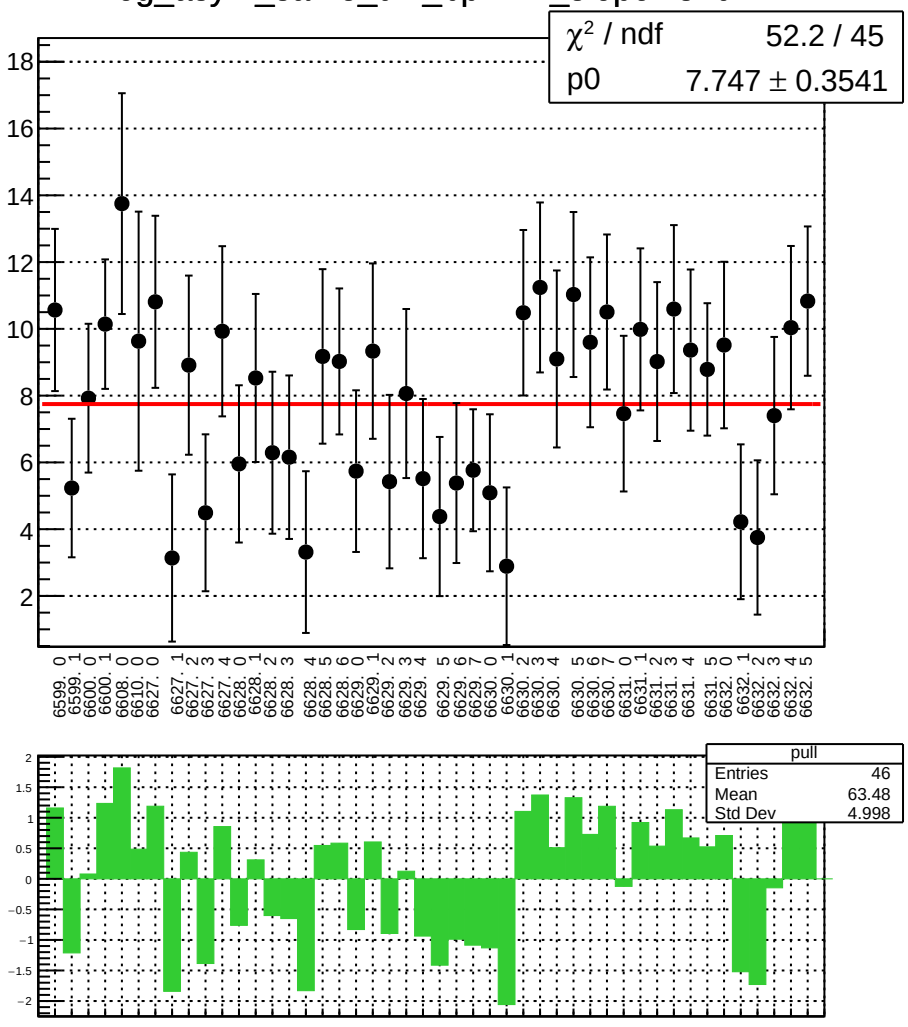

pull1D
Entries 46
Mean −0.05045
Std Dev 0.9378
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

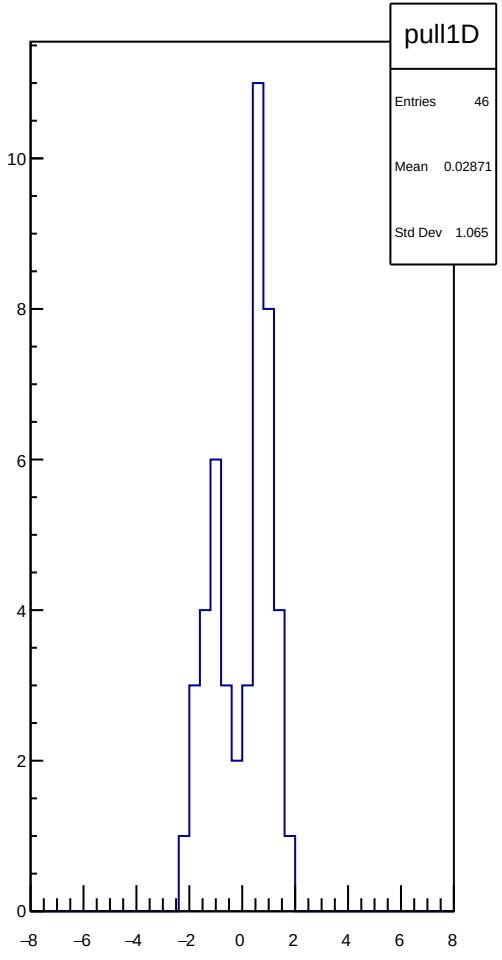

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 11.1 / 45
p0 −18.35 ± 0.3457
pull
Entries 46
Mean −263.1
Std Dev 289.7

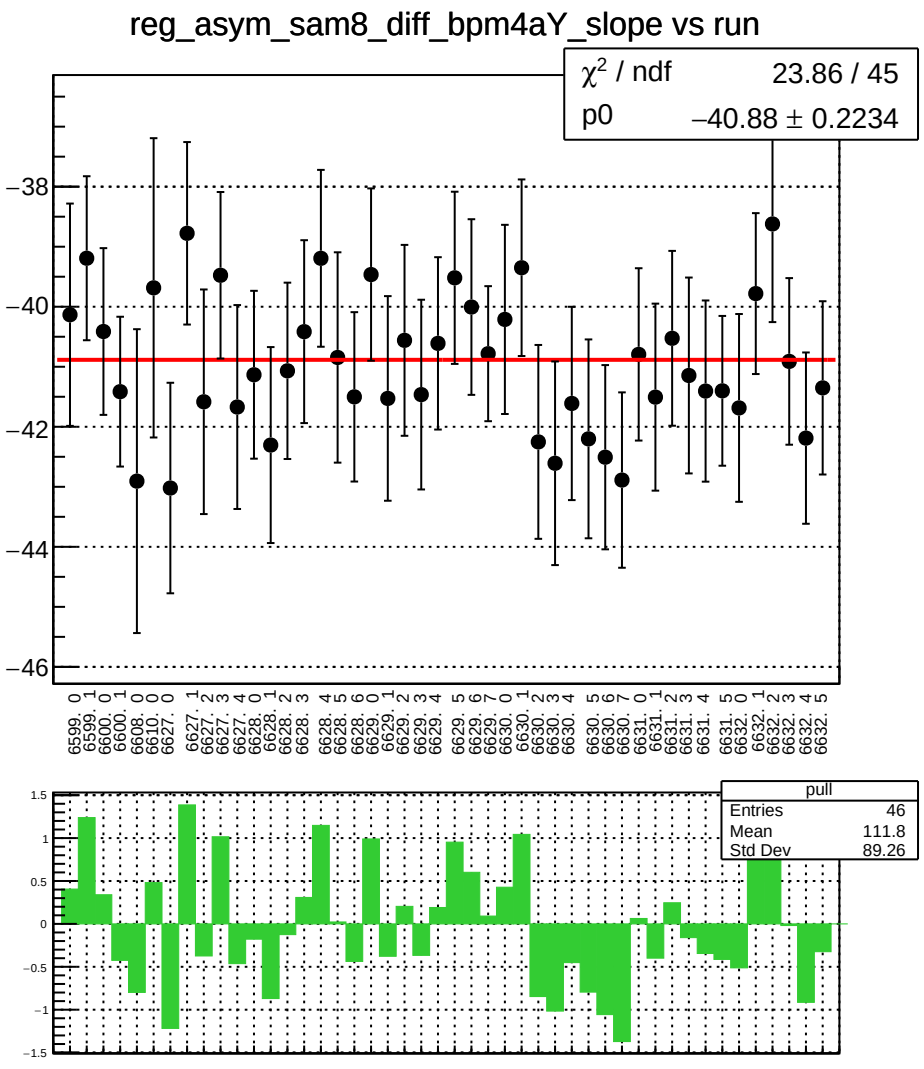

pull1D
Entries 46
Mean −0.008829
Std Dev 0.4912

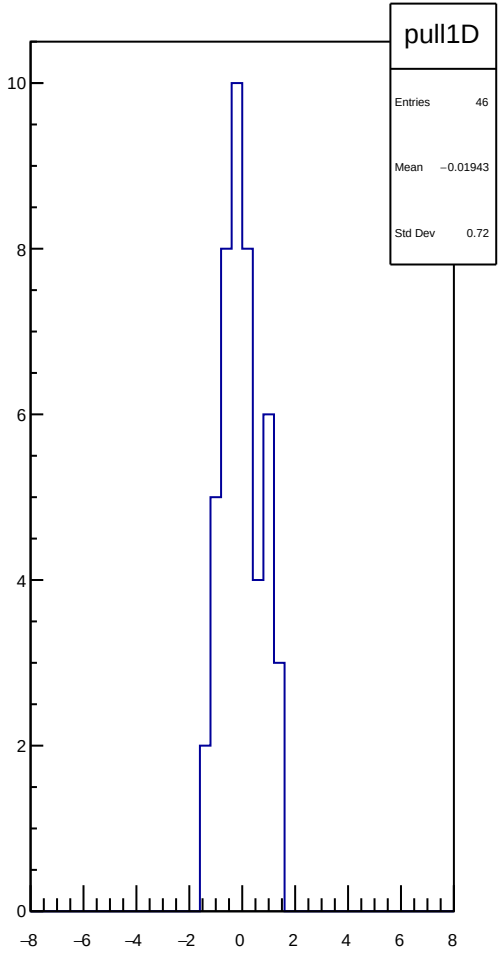

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 9.924 / 45
p0 0.4712 ± 0.01946
pull
Entries 46
Mean −58.88
Std Dev 82.09

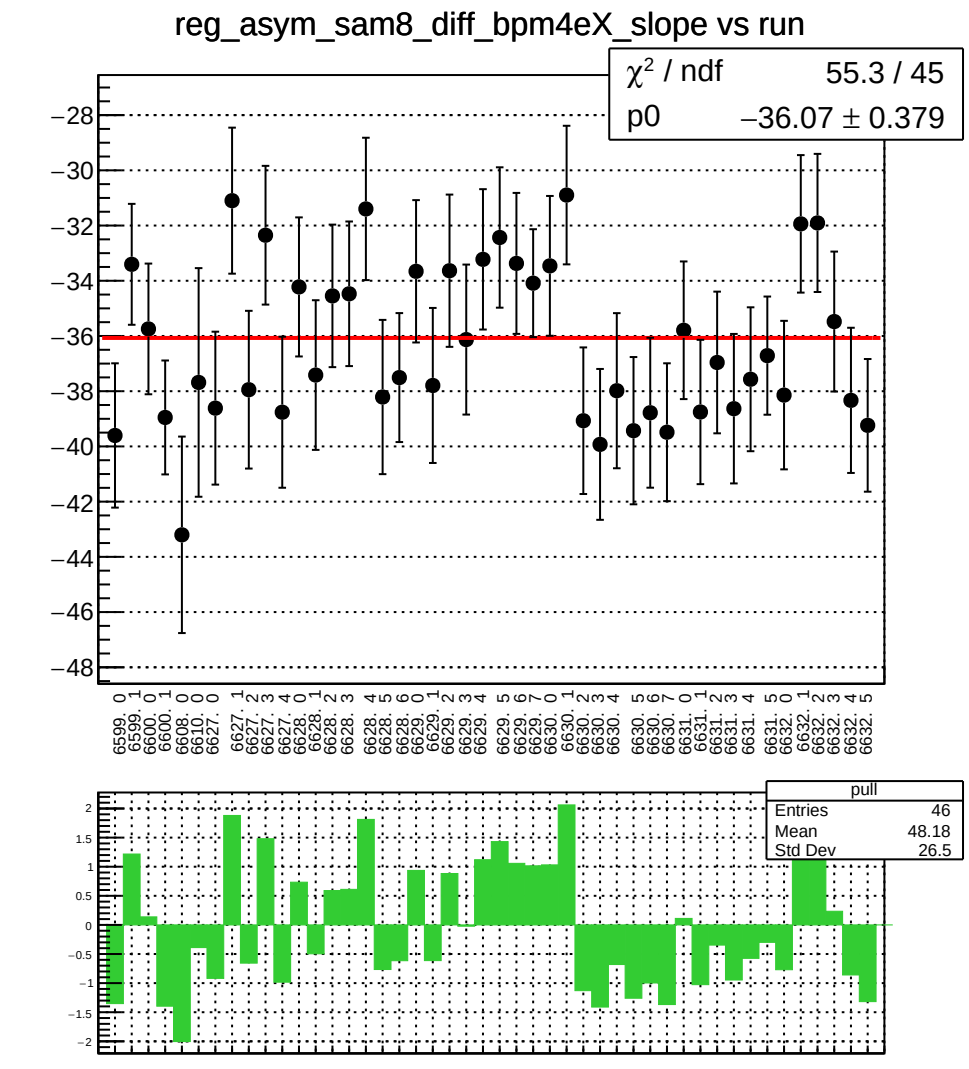

pull1D
Entries 46
Mean −0.02067
Std Dev 0.464

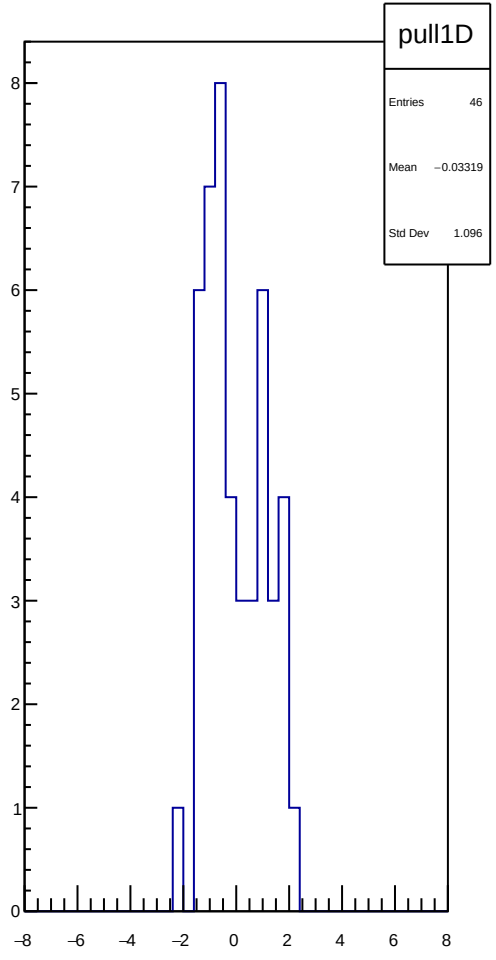

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 52.2 / 45
p0 7.747 ± 0.3541
pull
Entries 46
Mean 63.48
Std Dev 4.998

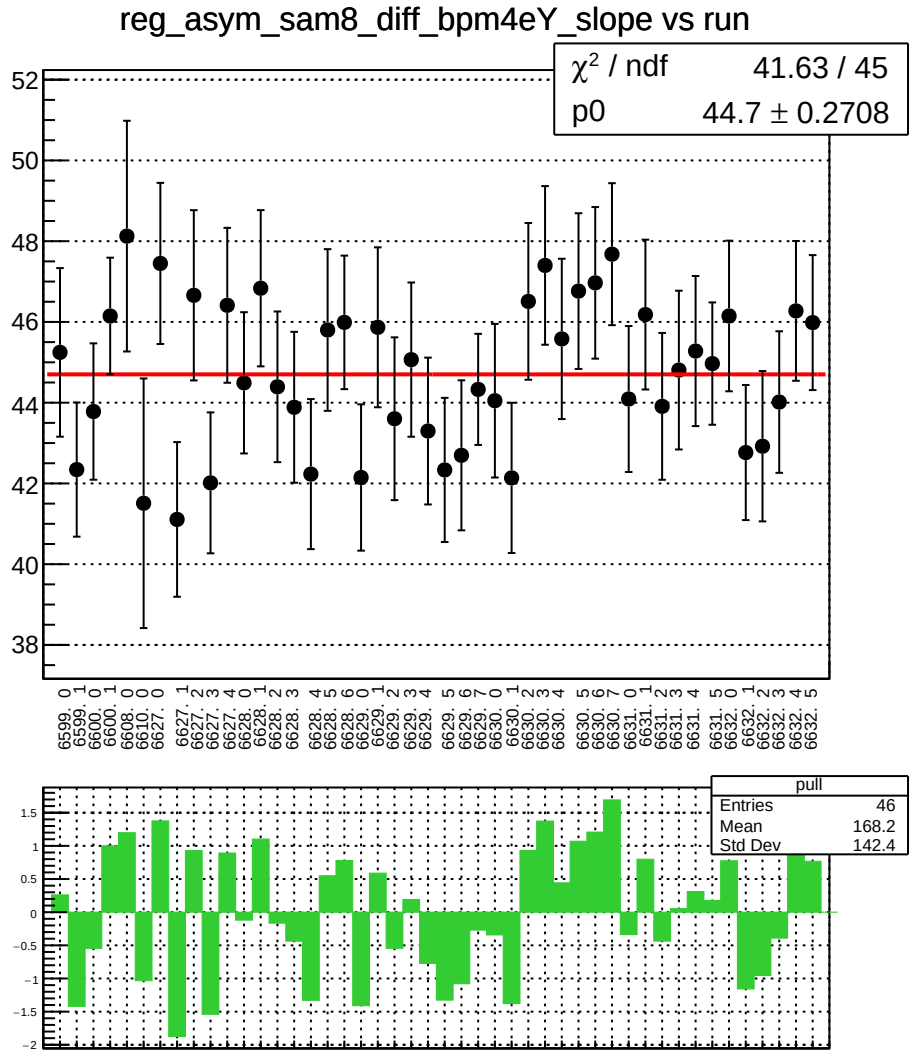

pull1D
Entries 46
Mean 0.02871
Std Dev 1.065

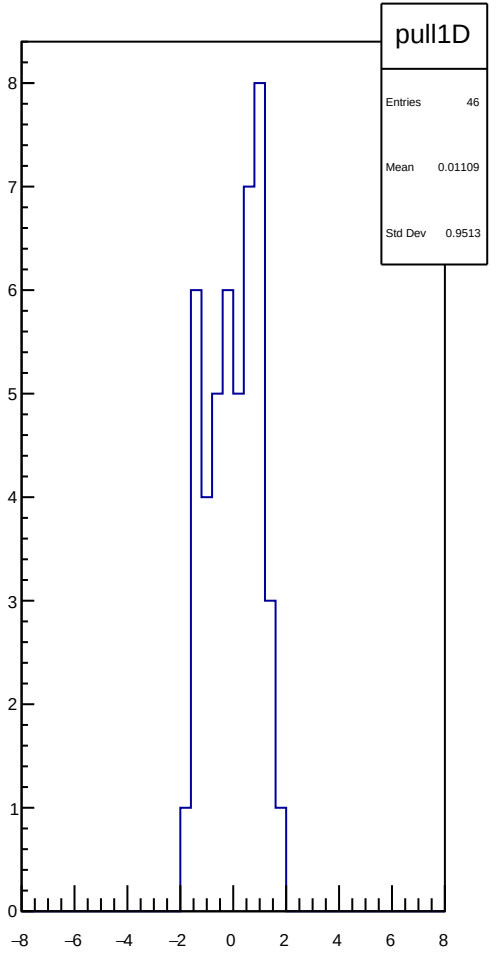

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 23.86 / 45
p0 −40.88 ± 0.2234
−38
−40
−42
−44
−46
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 111.8
Std Dev 89.26
1.5
1
0.5
0
−0.5
−1
−1.5

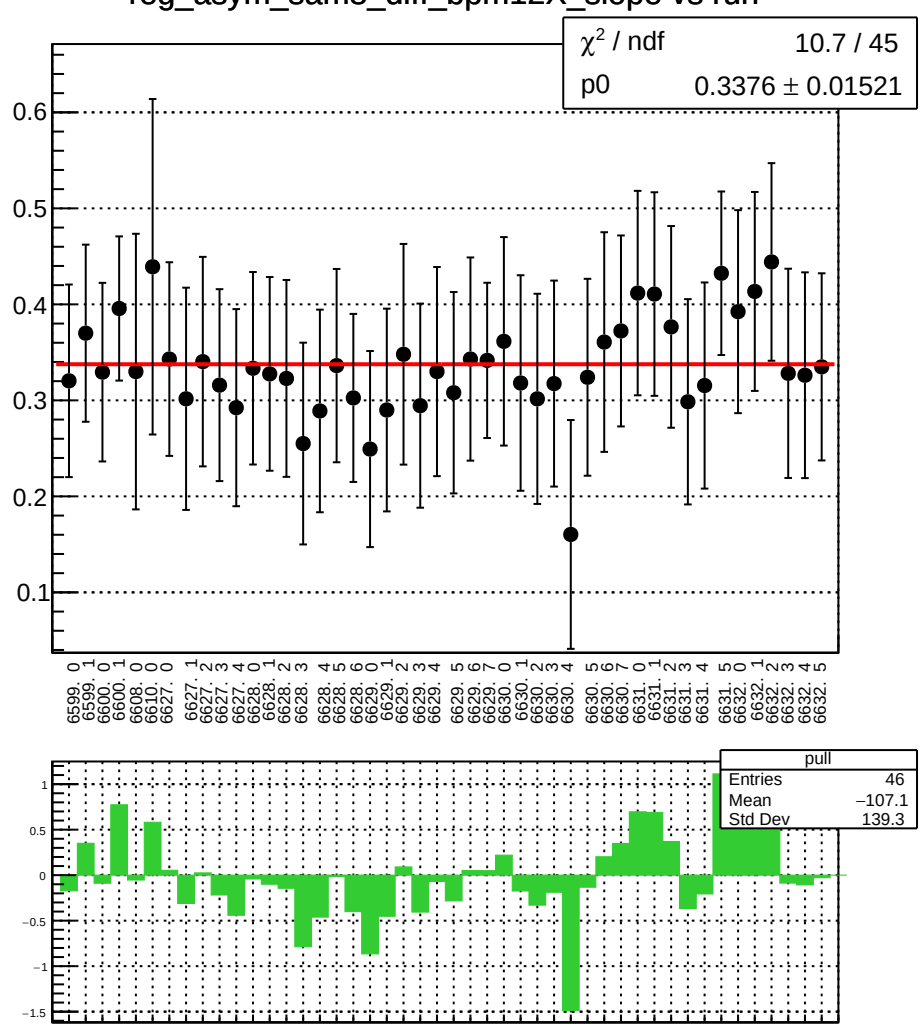

pull1D
Entries 46
Mean −0.01943
Std Dev 0.72
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

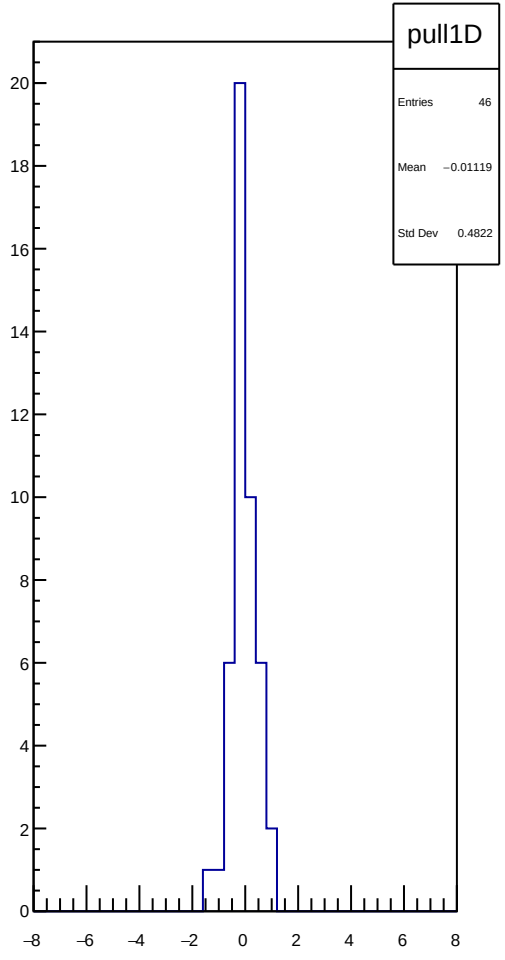

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 55.3 / 45
p0 −36.07 ± 0.379
pull
Entries 46
Mean 48.18
Std Dev 26.5

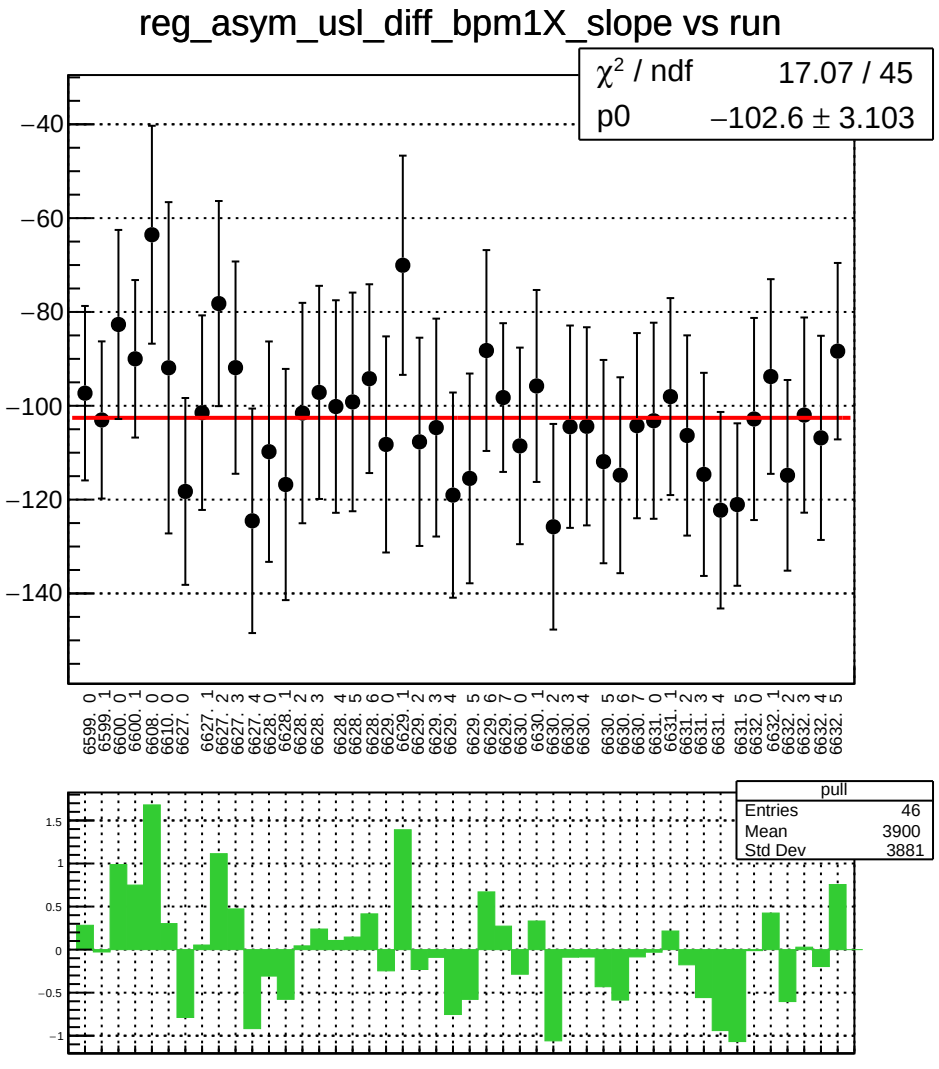

pull1D
Entries 46
Mean −0.03319
Std Dev 1.096

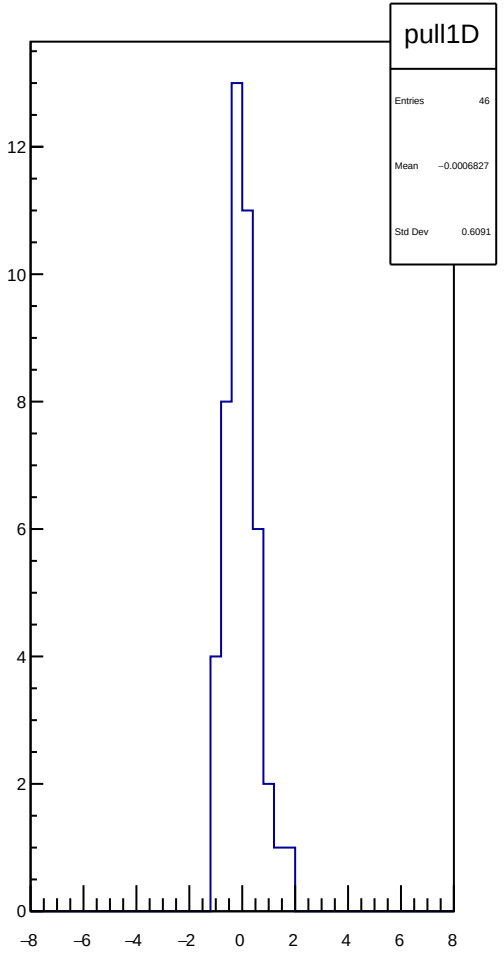

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 41.63 / 45
p0 44.7 ± 0.2708
pull
Entries 46
Mean 168.2
Std Dev 142.4

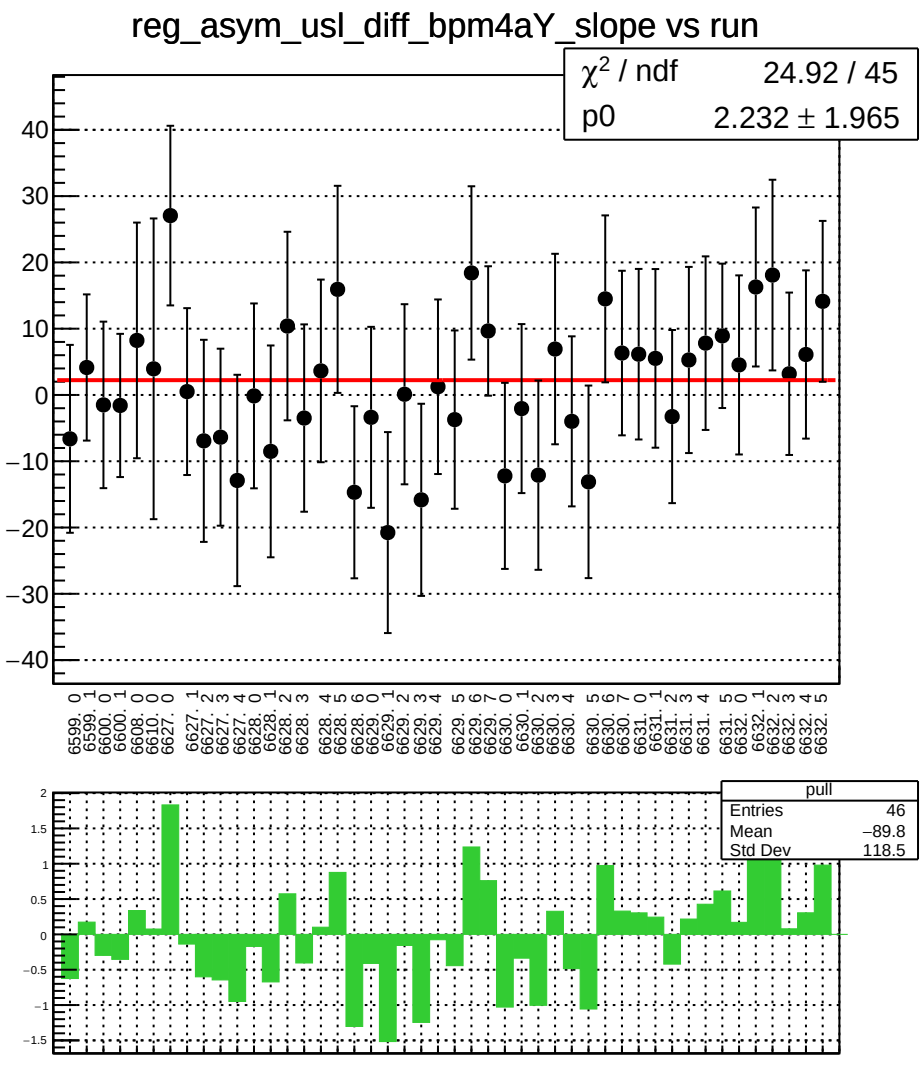

pull1D
Entries 46
Mean 0.01109
Std Dev 0.9513

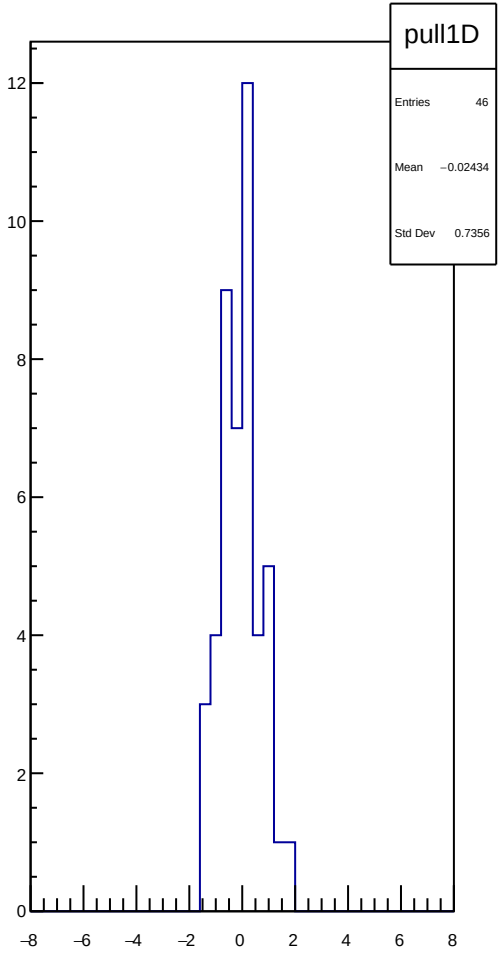

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 10.7 / 45
p0 0.3376 ± 0.01521
pull
Entries 46
Mean −107.1
Std Dev 139.3

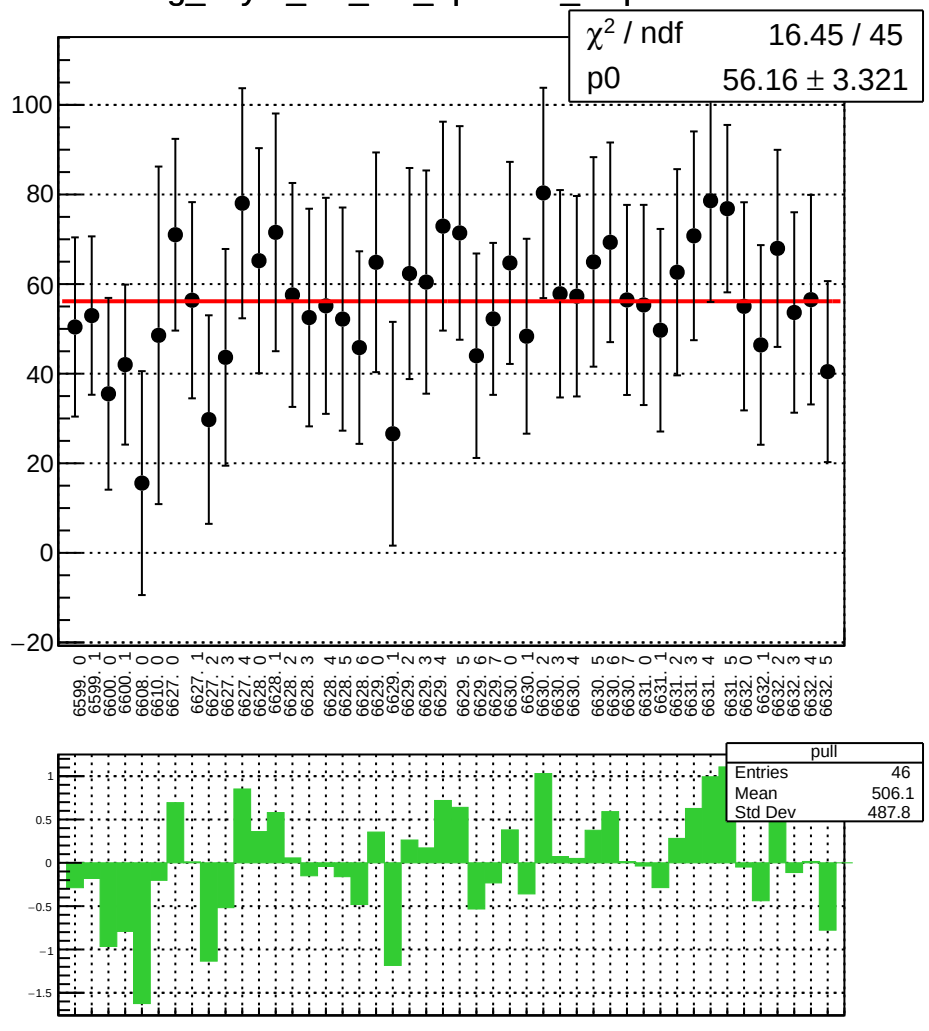

pull1D
Entries 46
Mean −0.01119
Std Dev 0.4822

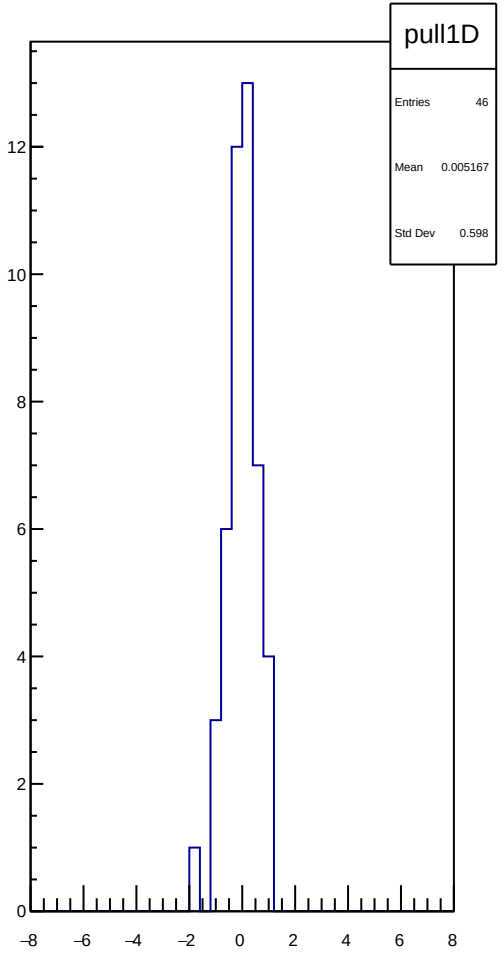

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 17.07 / 45
p0 −102.6 ± 3.103
−40
−60
−80
−100
−120
−140
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 3900
Std Dev 3881
1.5
1
0.5
0
−0.5
−1

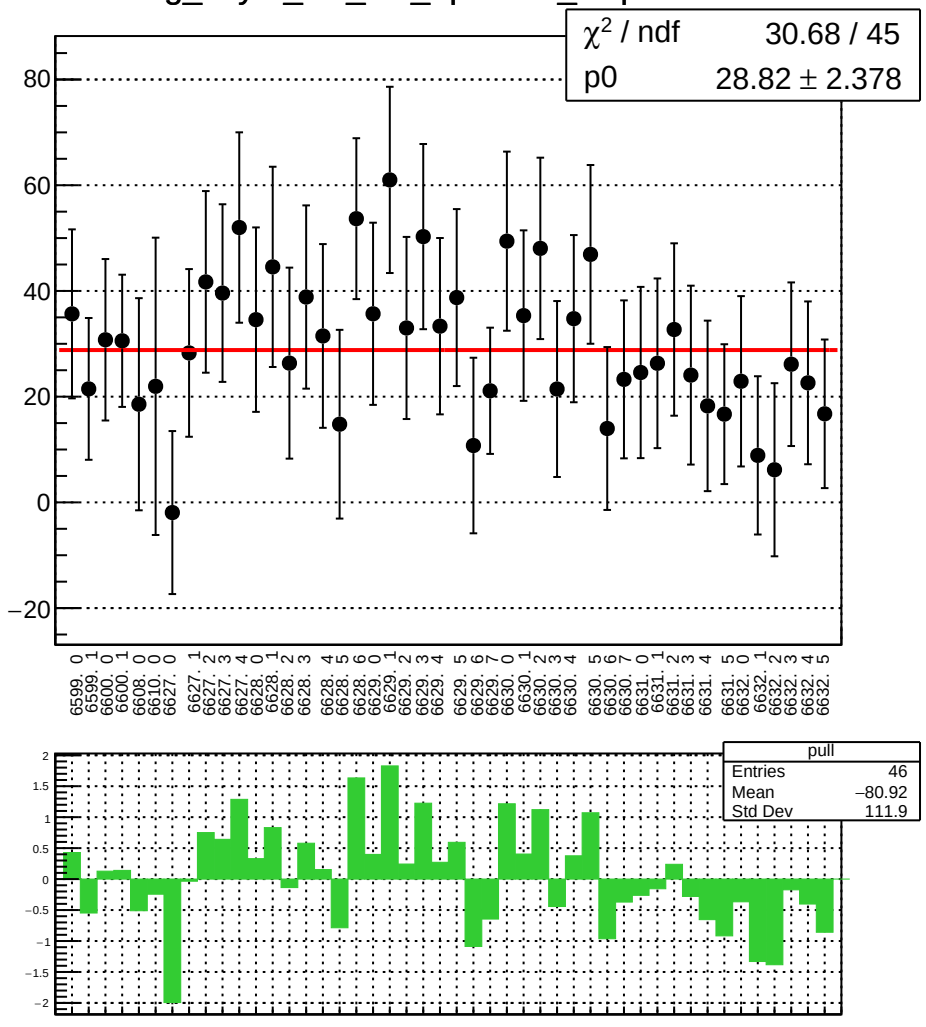

pull1D
Entries 46
Mean −0.0006827
Std Dev 0.6091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

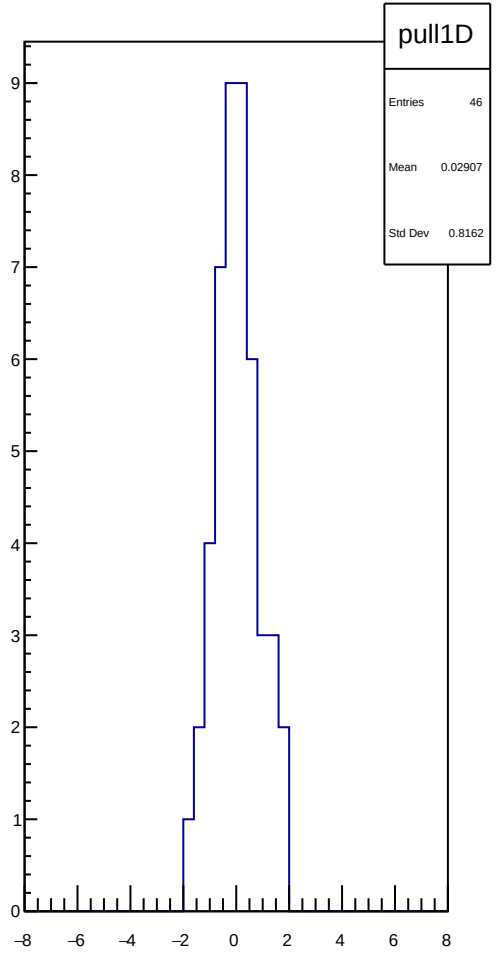

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 24.92 / 45
p0 2.232 ± 1.965
pull
Entries 46
Mean −89.8
Std Dev 118.5

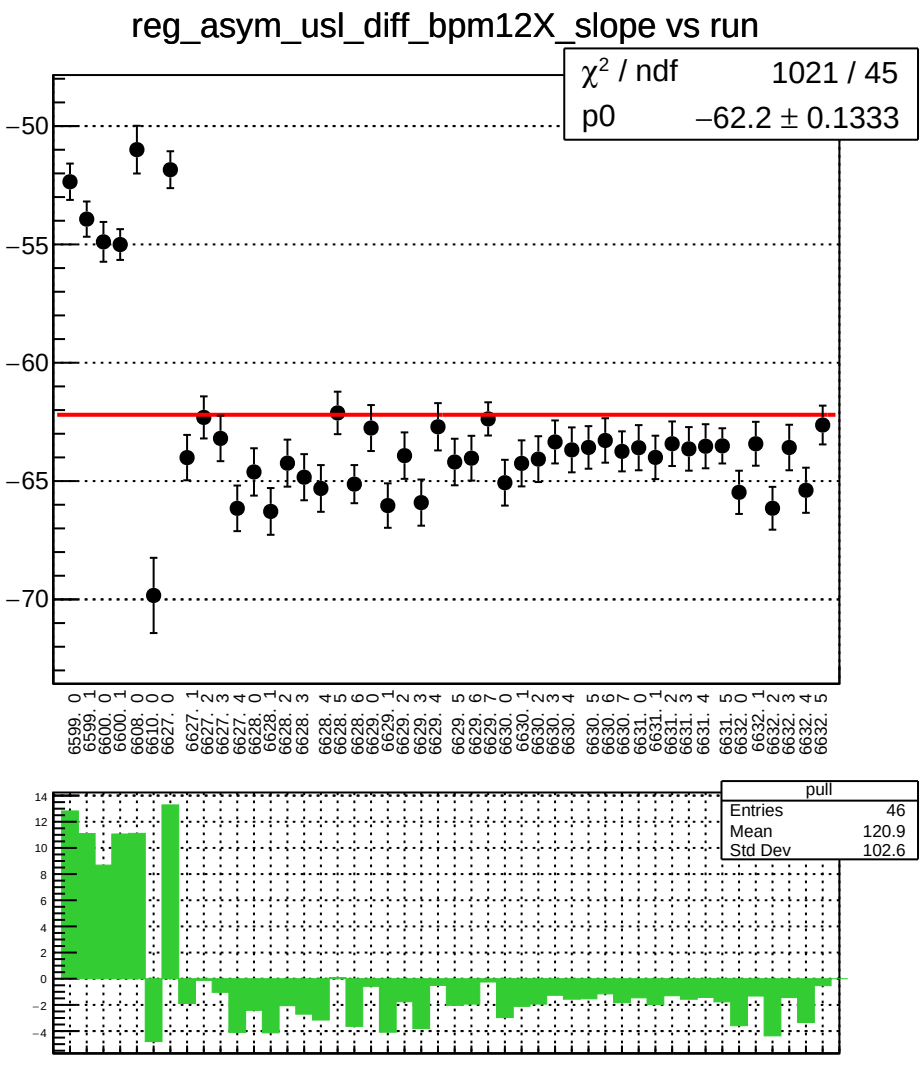

pull1D
Entries 46
Mean −0.02434
Std Dev 0.7356

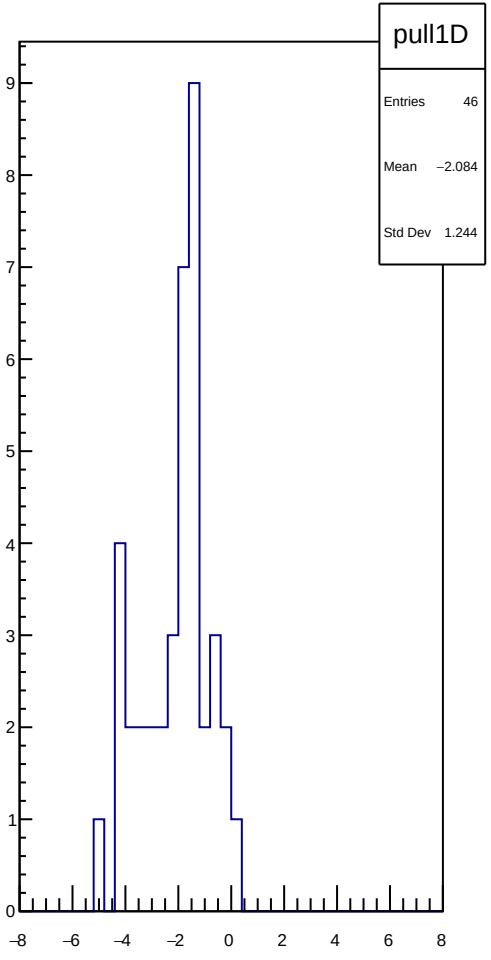

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 16.45 / 45
p0 56.16 ± 3.321
pull
Entries 46
Mean 506.1
Std Dev 487.8

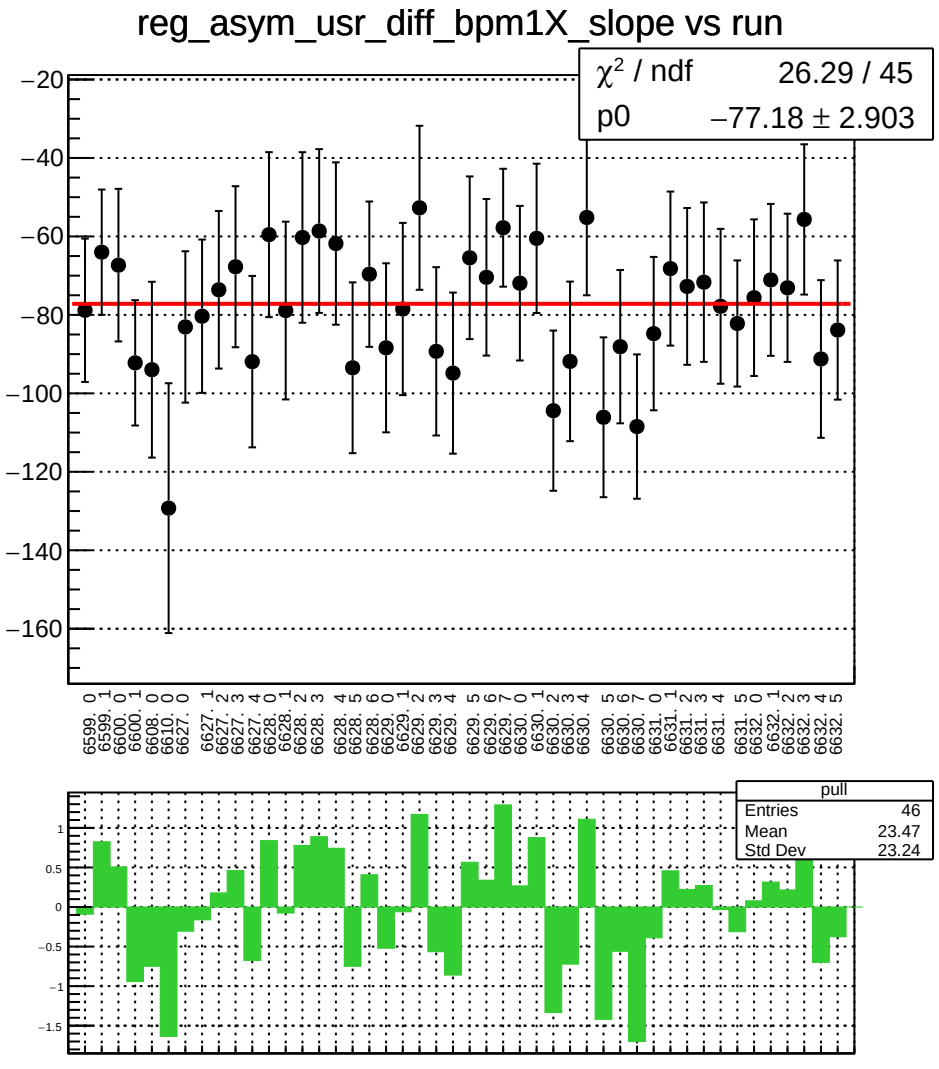

pull1D
Entries 46
Mean 0.005167
Std Dev 0.598

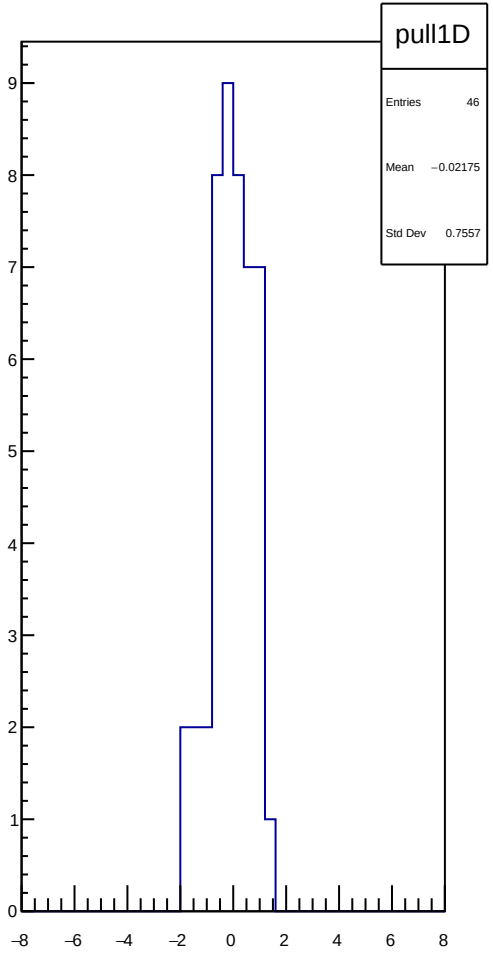

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 30.68 / 45
p0 28.82 ± 2.378
pull
Entries 46
Mean −80.92
Std Dev 111.9

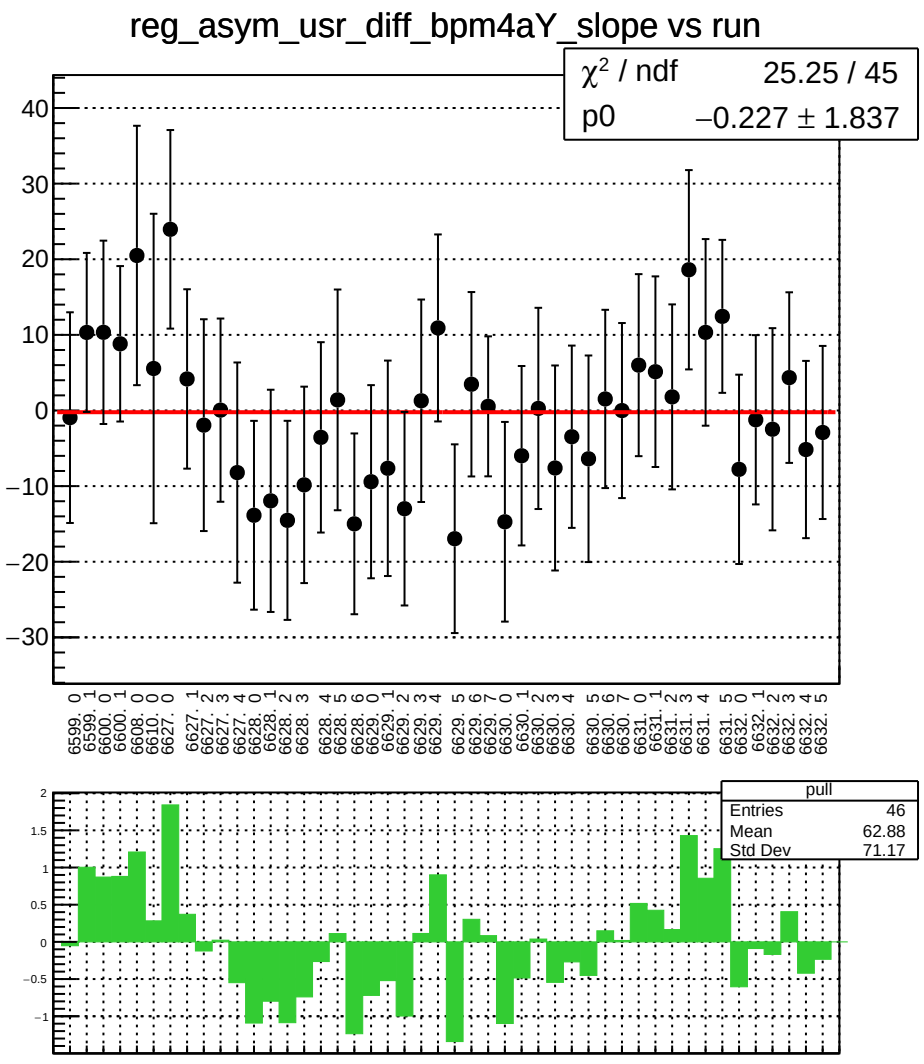

pull1D
Entries 46
Mean 0.02907
Std Dev 0.8162

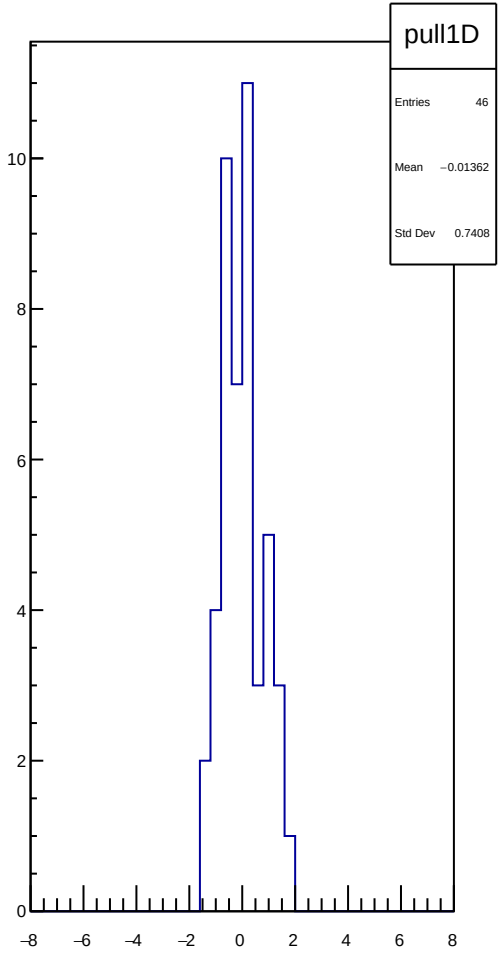

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 1021 / 45
p0 −62.2 ± 0.1333
−50
−55
−60
−65
−70
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 120.9
Std Dev 102.6
14
12
10
8
6
4
2
0
−2
−4

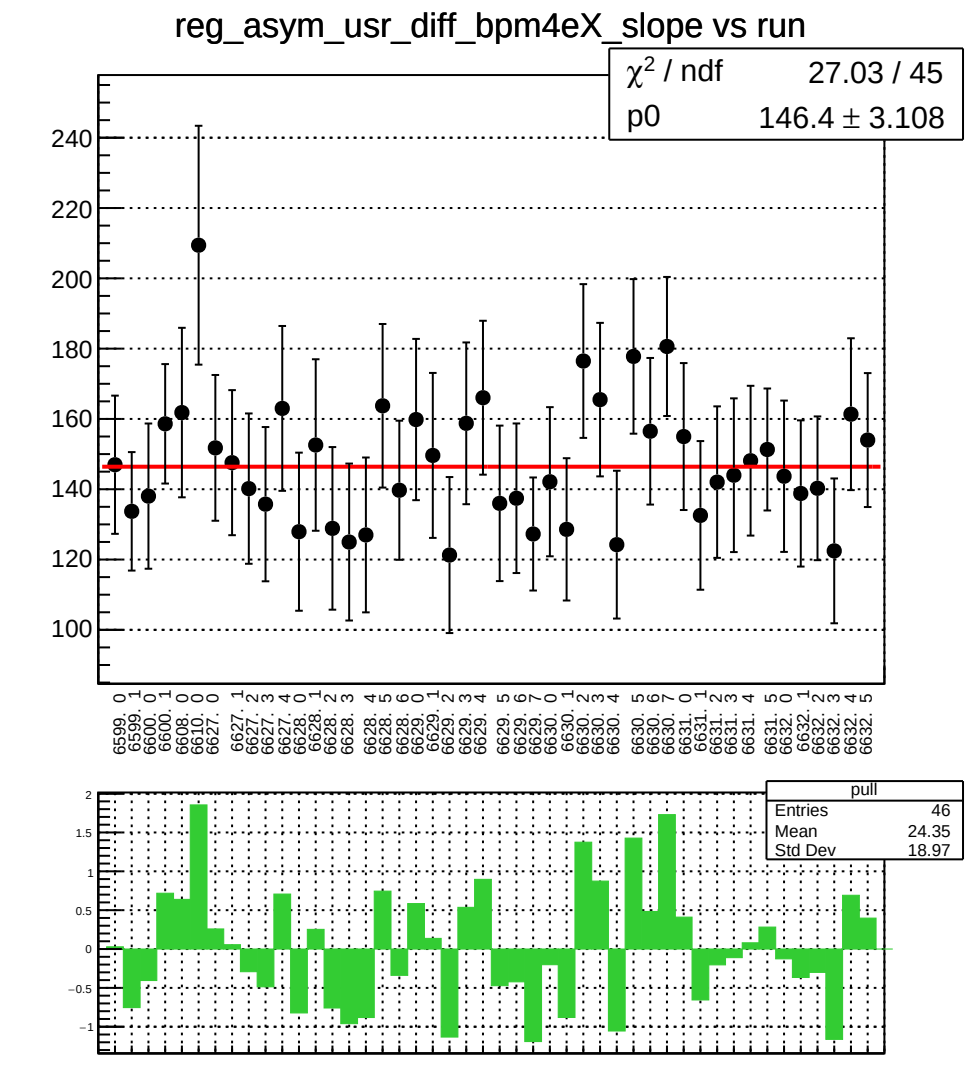

pull1D
Entries 46
Mean −2.084
Std Dev 1.244
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

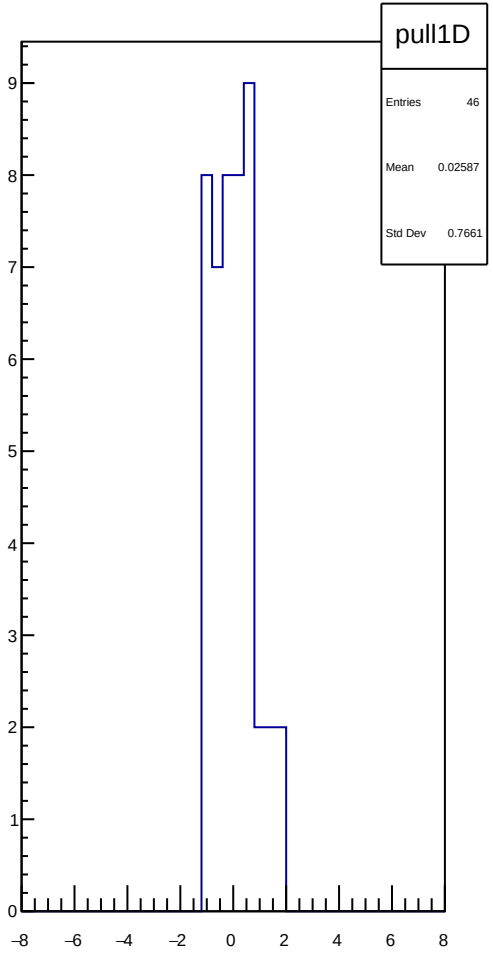

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 26.29 / 45
p0 −77.18 ± 2.903
pull
Entries 46
Mean 23.47
Std Dev 23.24

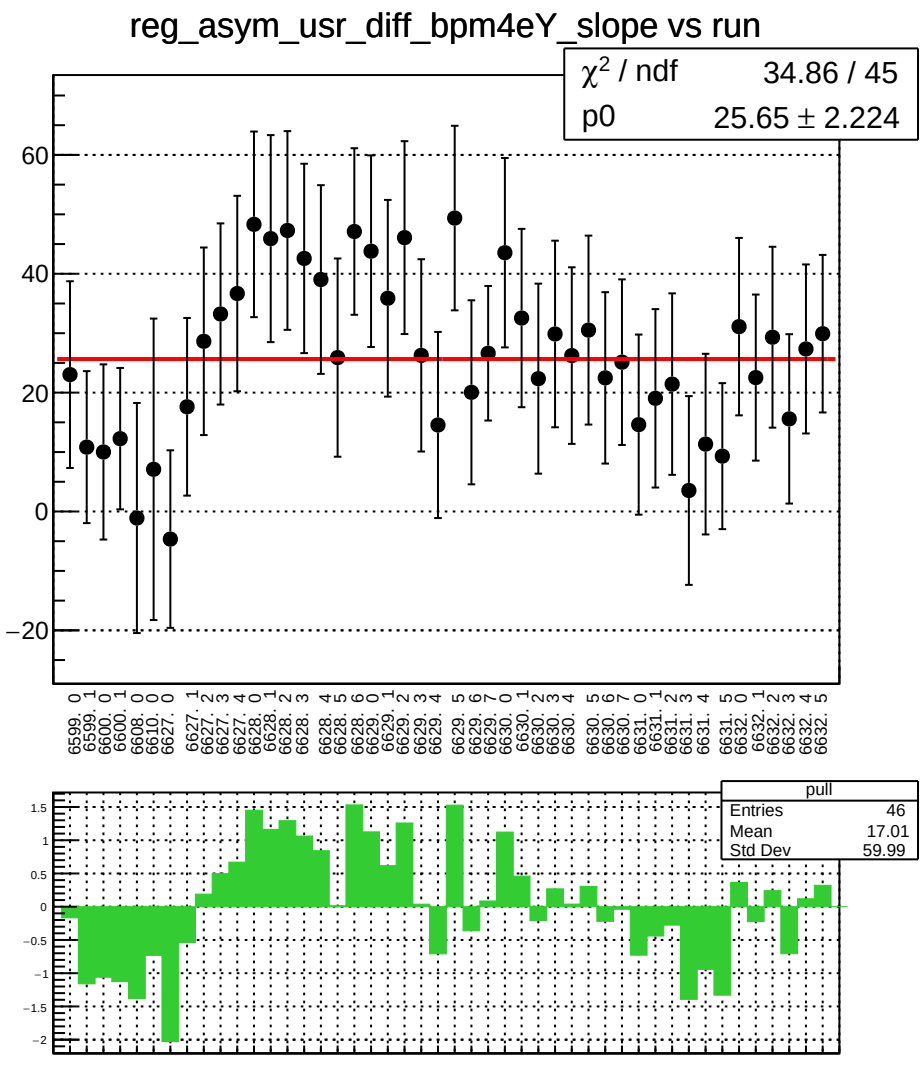

pull1D
Entries 46
Mean −0.02175
Std Dev 0.7557

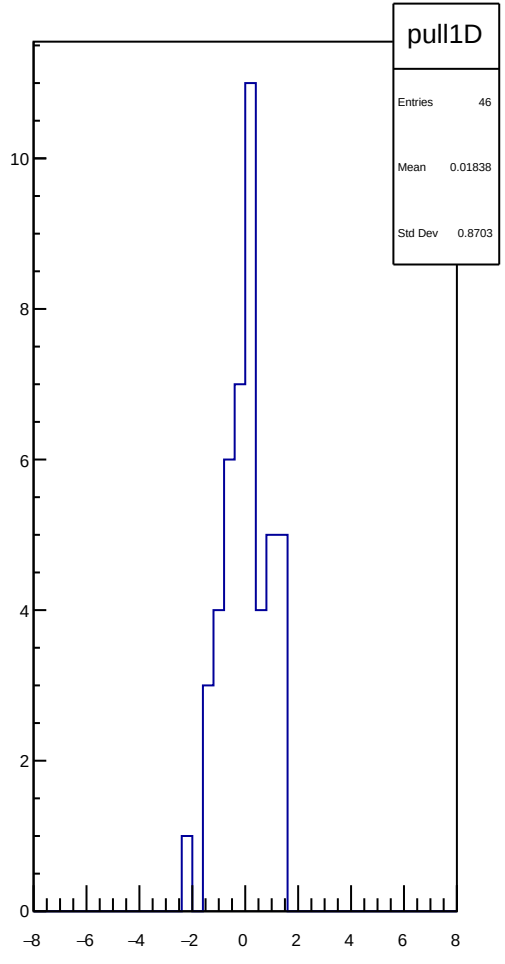

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 25.25 / 45
p0 −0.227 ± 1.837
pull
Entries 46
Mean 62.88
Std Dev 71.17

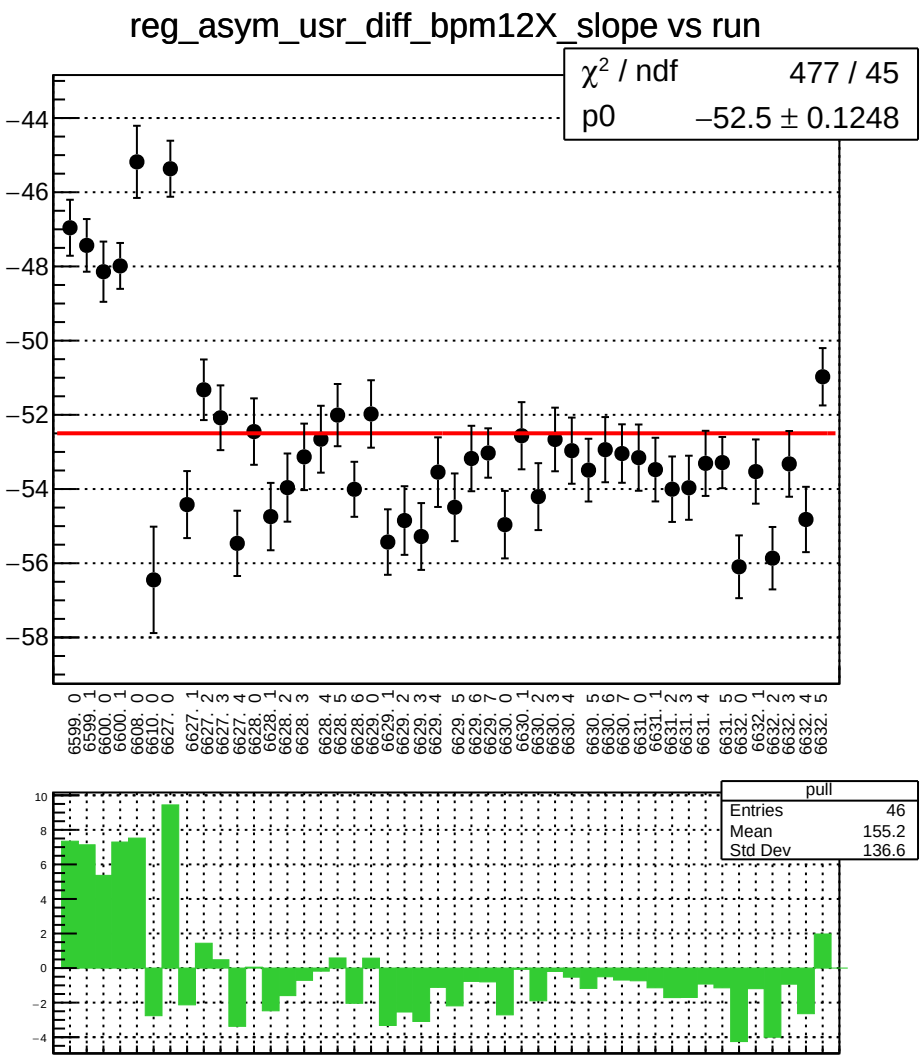

pull1D
Entries 46
Mean −0.01362
Std Dev 0.7408

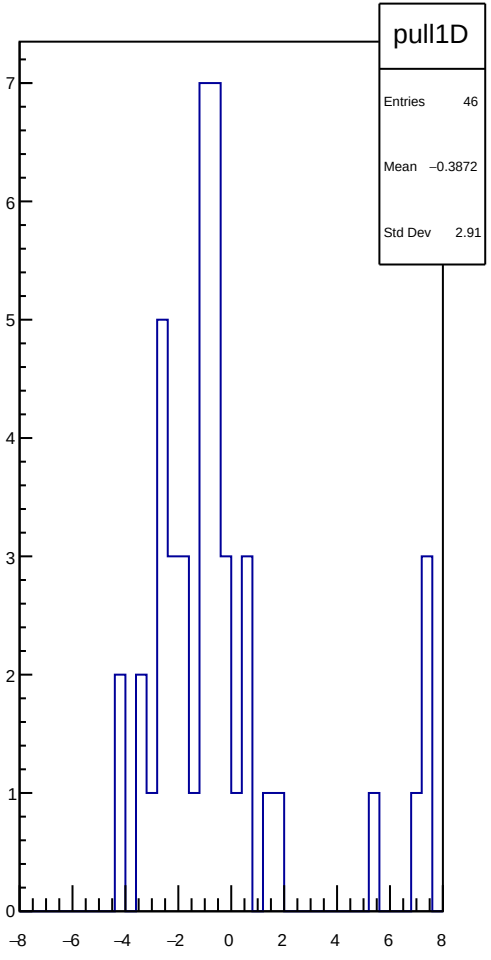

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 27.03 / 45
p0 146.4 ± 3.108
240
220
200
180
160
140
120
100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 24.35
Std Dev 18.97
2
1.5
1
0.5
0
−0.5
−1

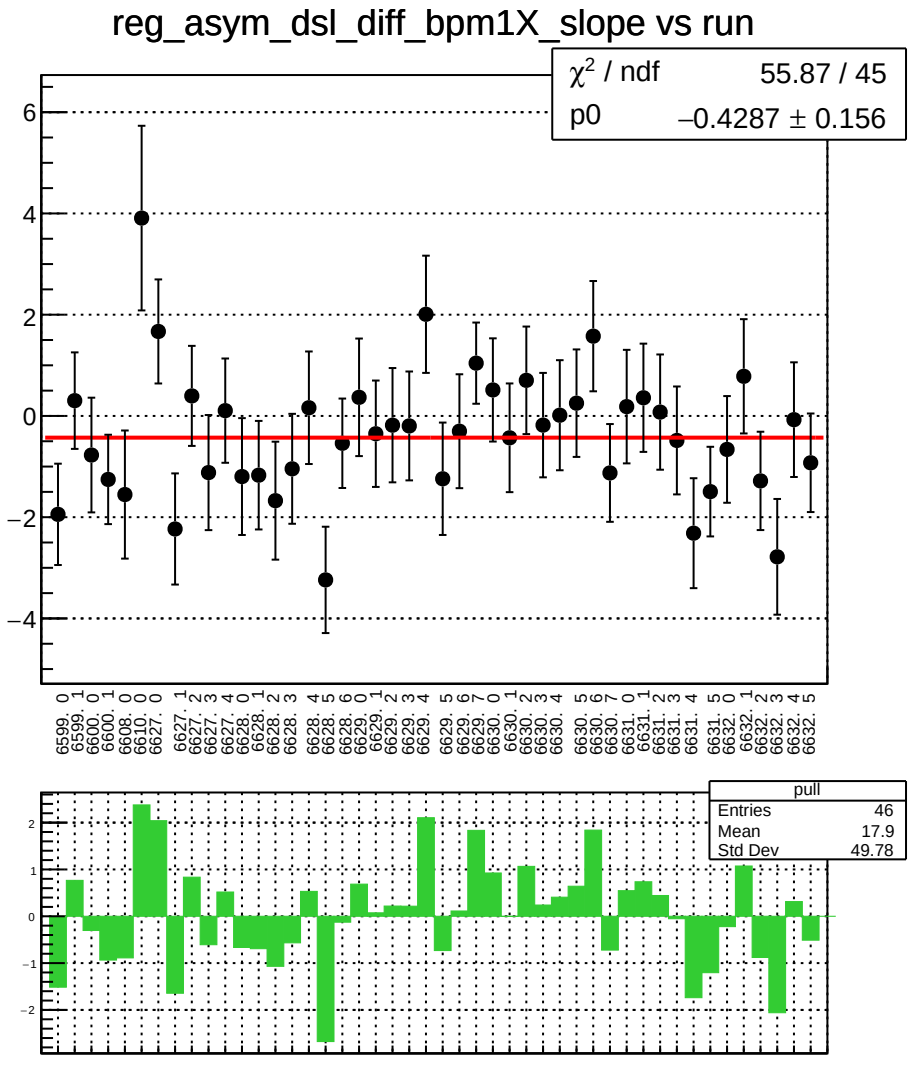

pull1D
Entries 46
Mean 0.02587
Std Dev 0.7661
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

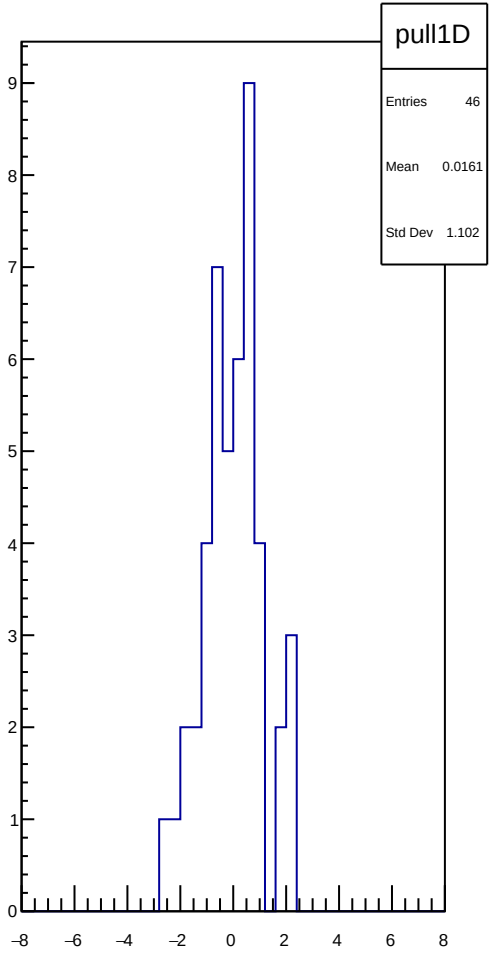

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 34.86 / 45
p0 25.65 ± 2.224
pull
Entries 46
Mean 17.01
Std Dev 59.99

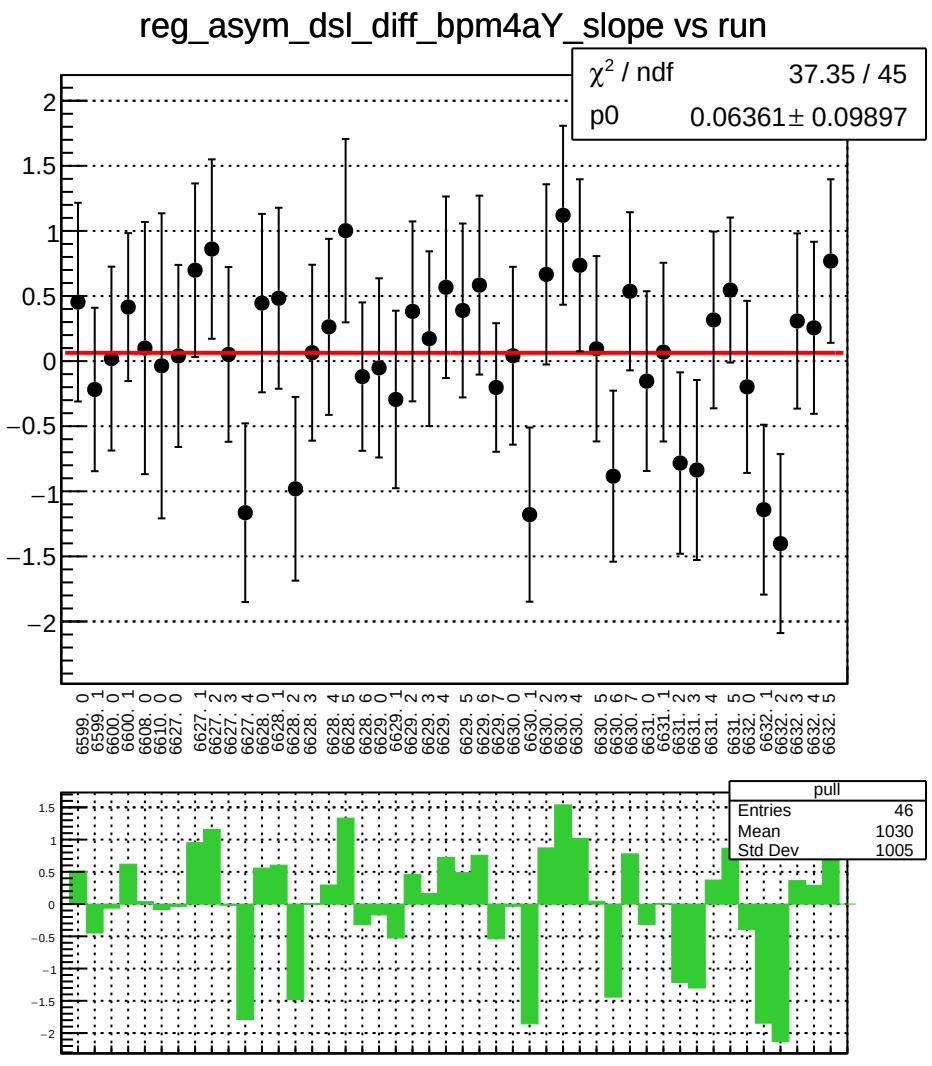

pull1D
Entries 46
Mean 0.01838
Std Dev 0.8703

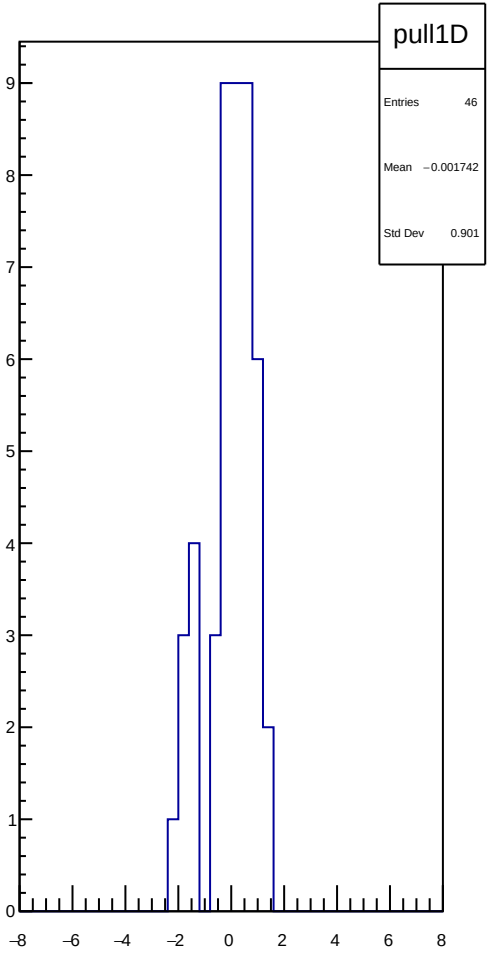

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 477 / 45
p0 −52.5 ± 0.1248
pull
Entries 46
Mean 155.2
Std Dev 136.6

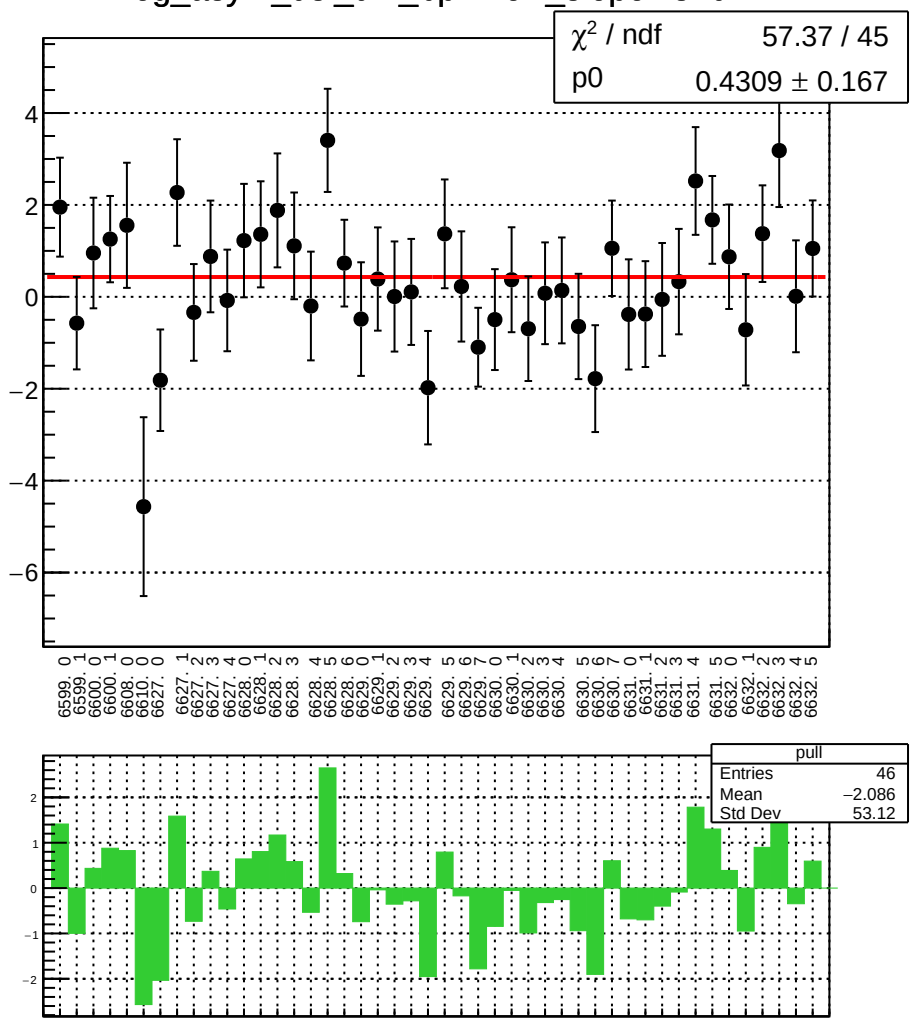

pull1D
Entries 46
Mean −0.3872
Std Dev 2.91

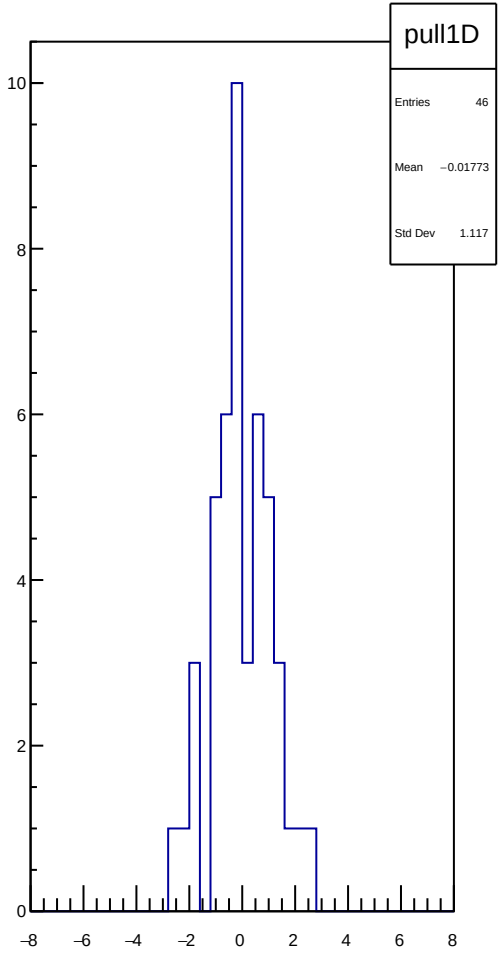

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 55.87 / 45
p0 −0.4287 ± 0.156
pull
Entries 46
Mean 17.9
Std Dev 49.78

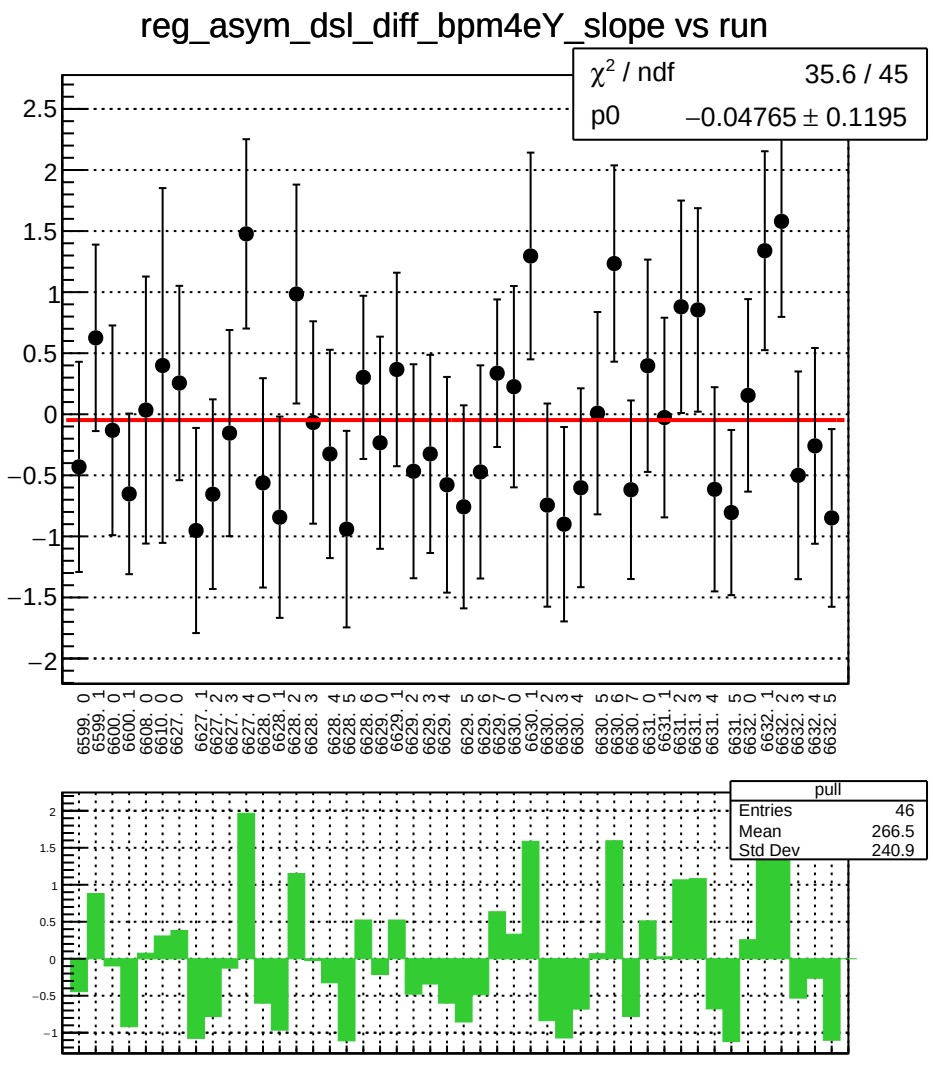

pull1D
Entries 46
Mean 0.0161
Std Dev 1.102

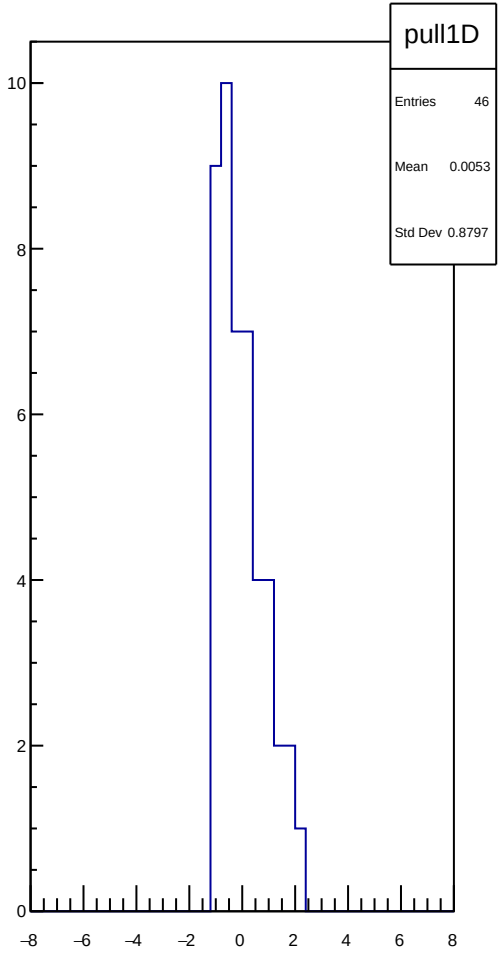

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 37.35 / 45
p0 0.06361 ± 0.09897
pull
Entries 46
Mean 1030
Std Dev 1005

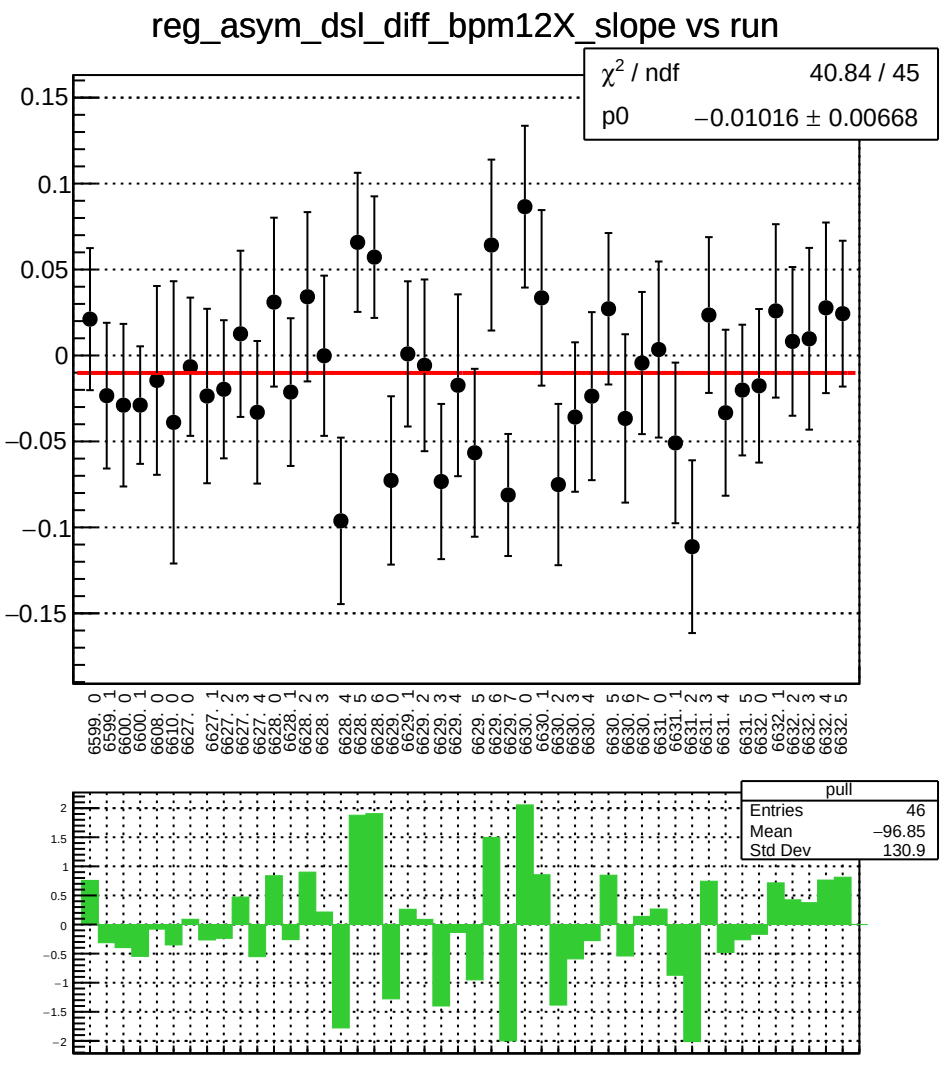

pull1D
Entries 46
Mean −0.001742
Std Dev 0.901

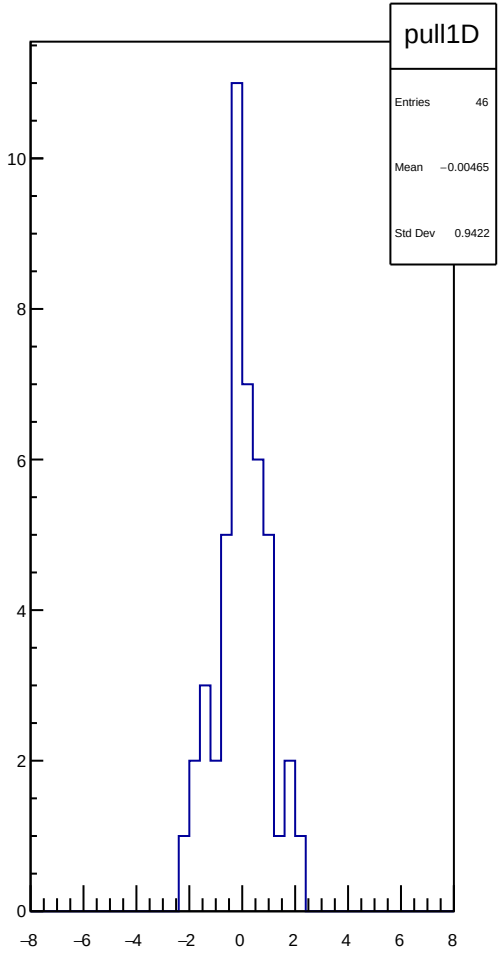

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 57.37 / 45
p0 0.4309 ± 0.167
pull
Entries 46
Mean −2.086
Std Dev 53.12

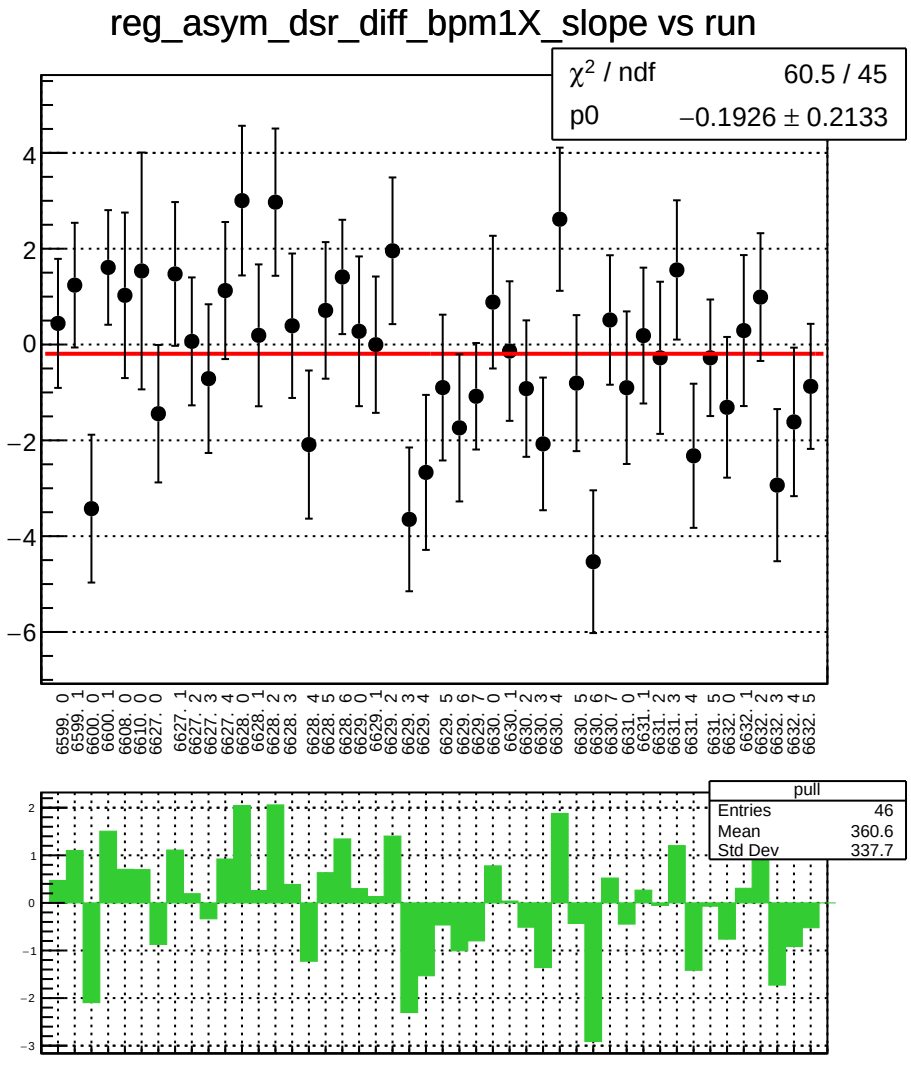

pull1D
Entries 46
Mean −0.01773
Std Dev 1.117

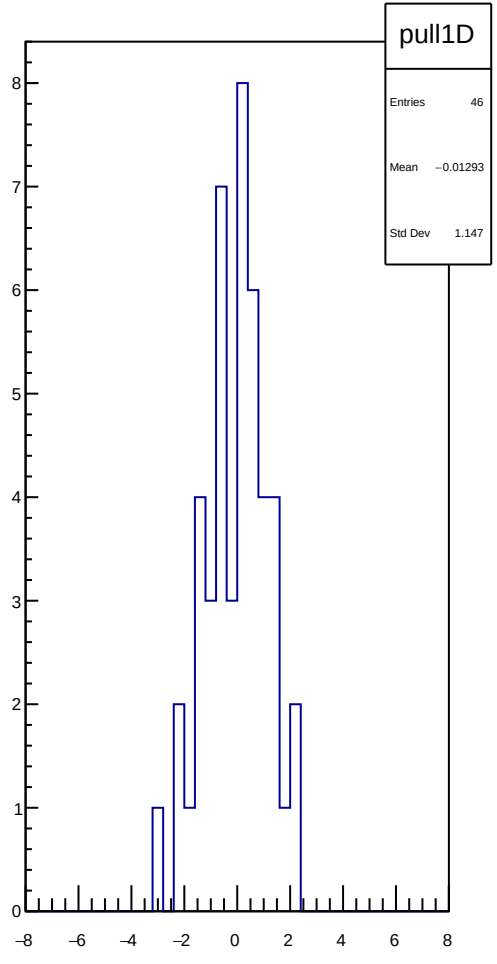

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 35.6 / 45
p0 −0.04765 ± 0.1195
pull
Entries 46
Mean 266.5
Std Dev 240.9

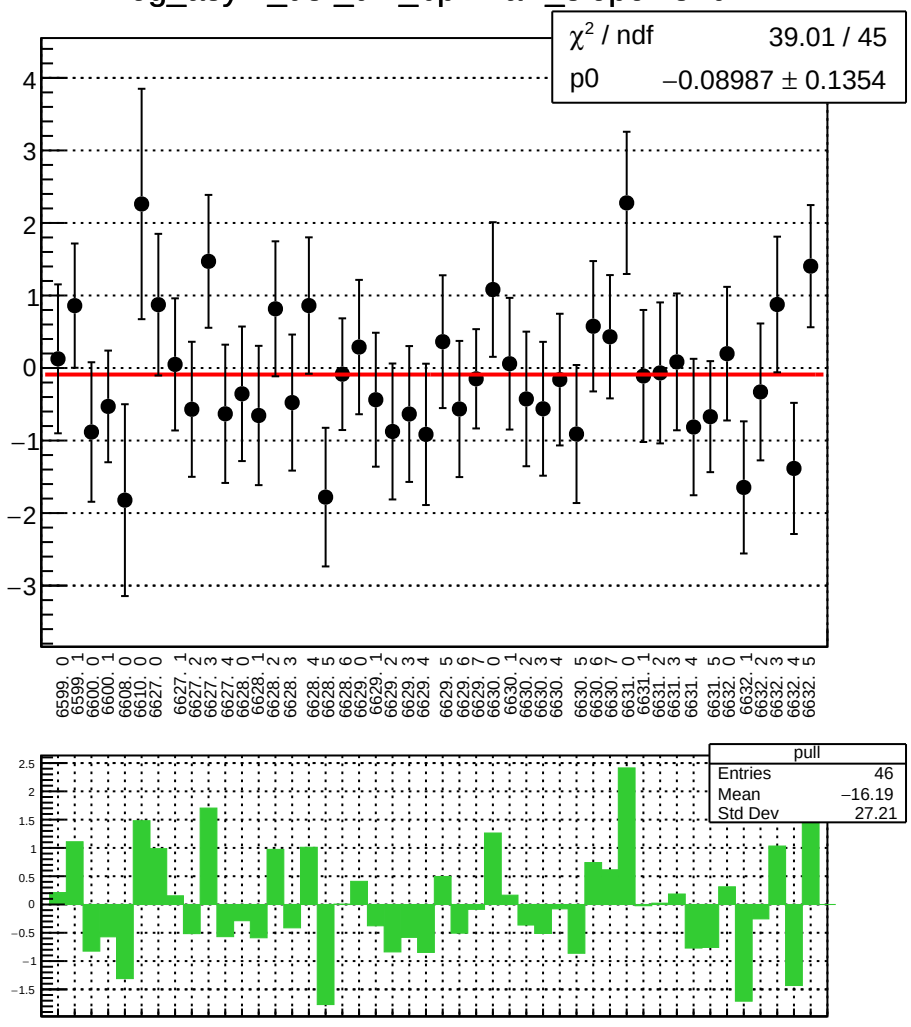

pull1D
Entries 46
Mean 0.0053
Std Dev 0.8797

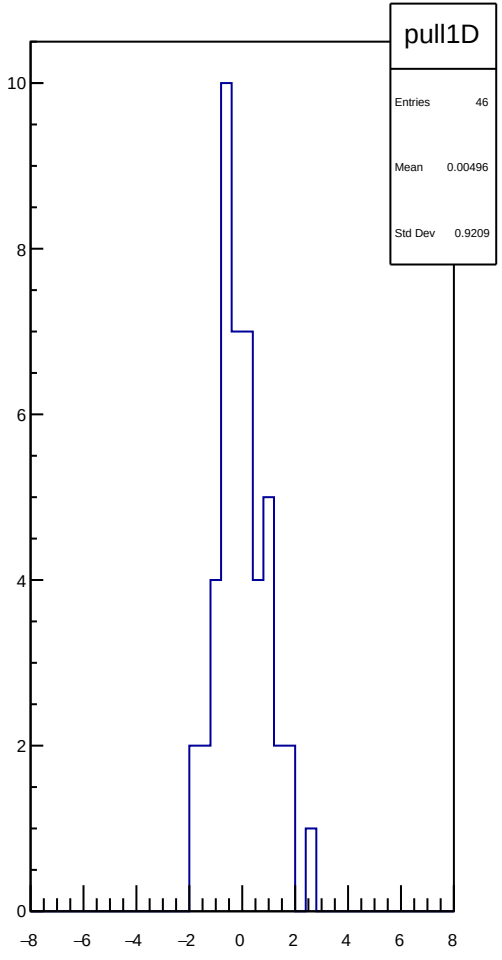

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 40.84 / 45
p0 −0.01016 ± 0.00668
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −96.85
Std Dev 130.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

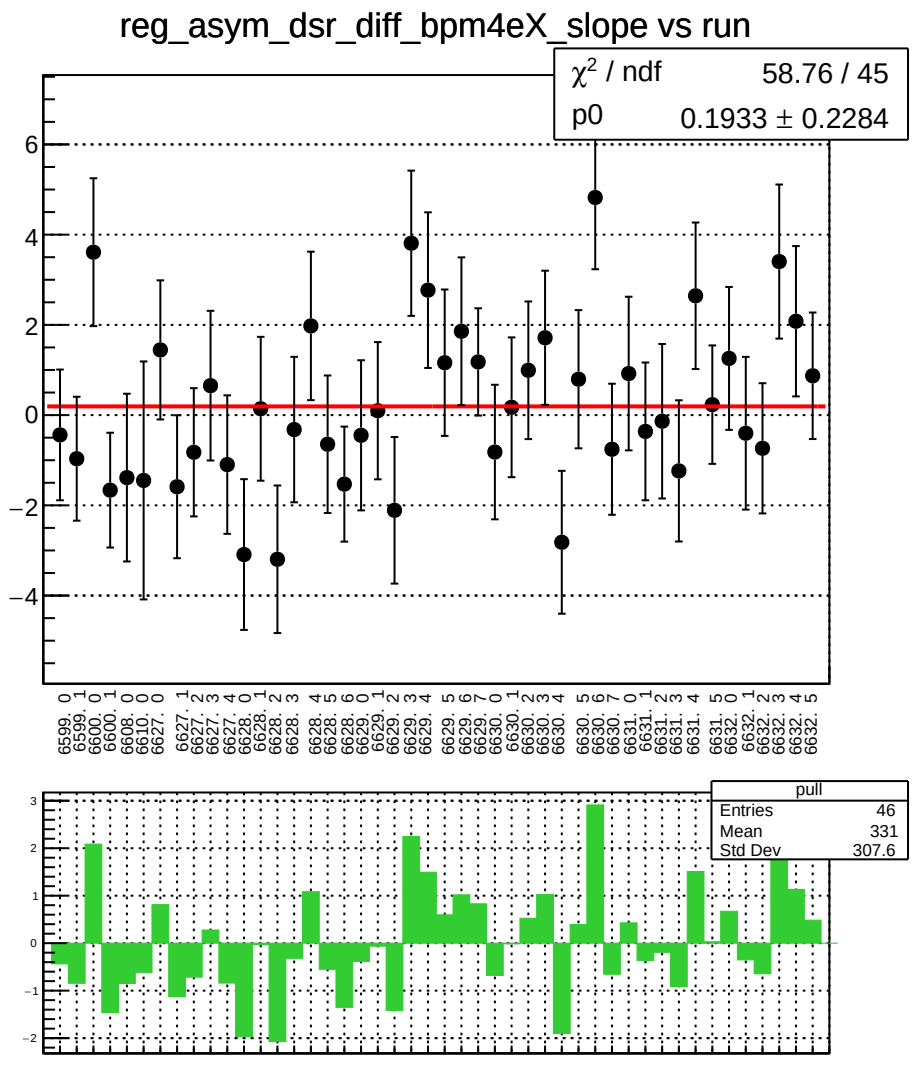

pull1D
Entries 46
Mean −0.00465
Std Dev 0.9422
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

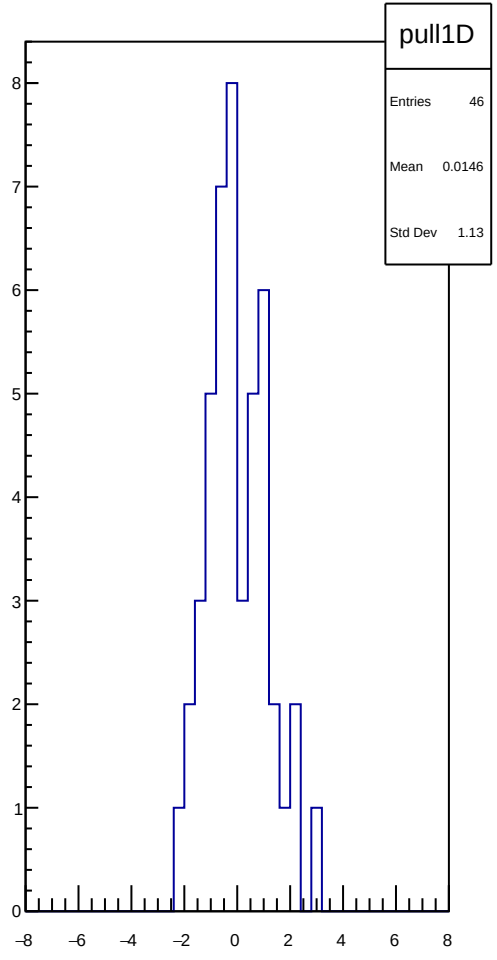

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 60.5 / 45
p0 −0.1926 ± 0.2133
pull
Entries 46
Mean 360.6
Std Dev 337.7

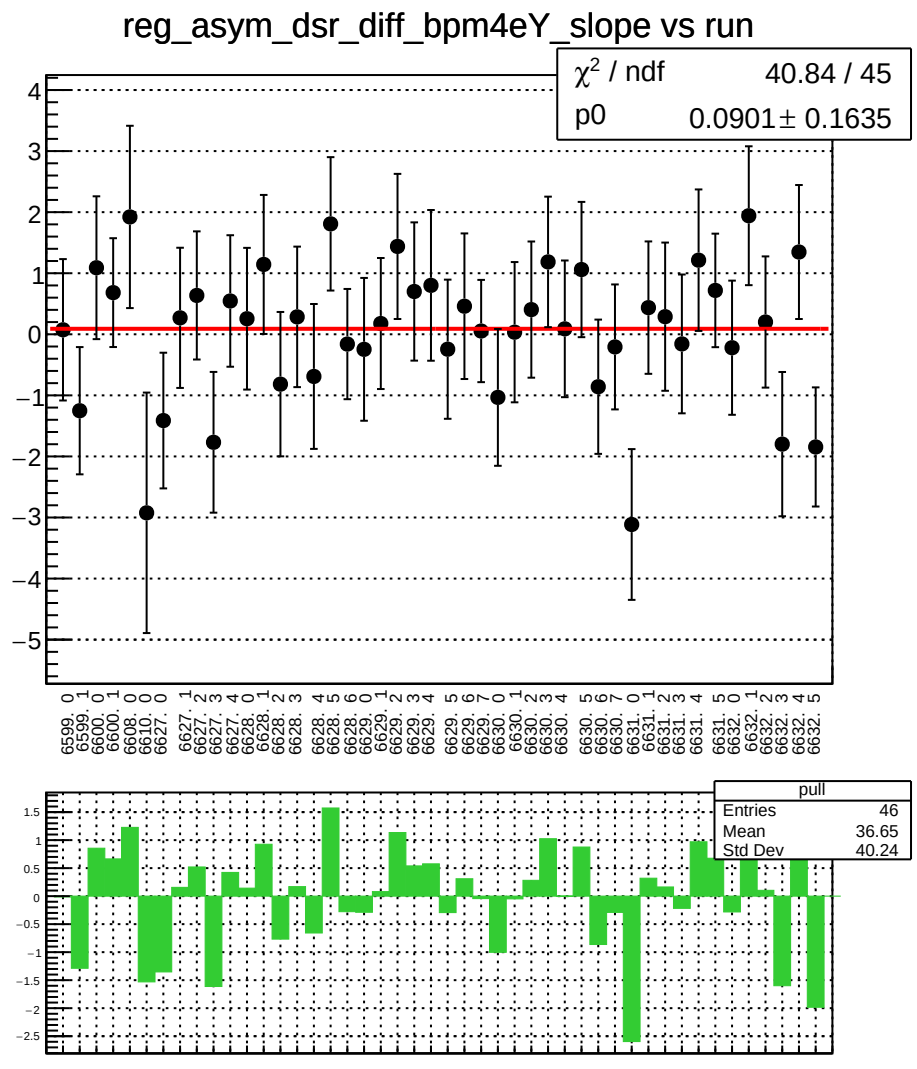

pull1D
Entries 46
Mean −0.01293
Std Dev 1.147

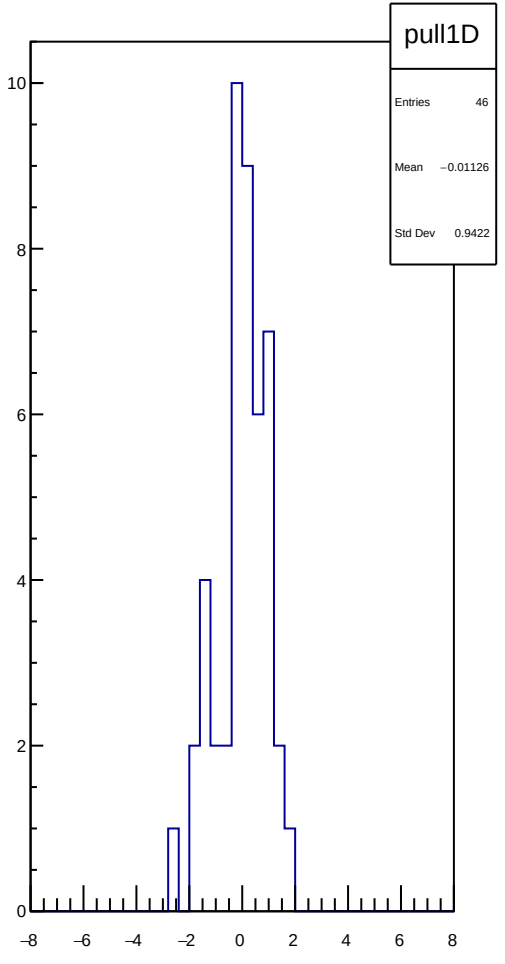

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 39.01 / 45
p0 −0.08987 ± 0.1354
pull
Entries 46
Mean −16.19
Std Dev 27.21

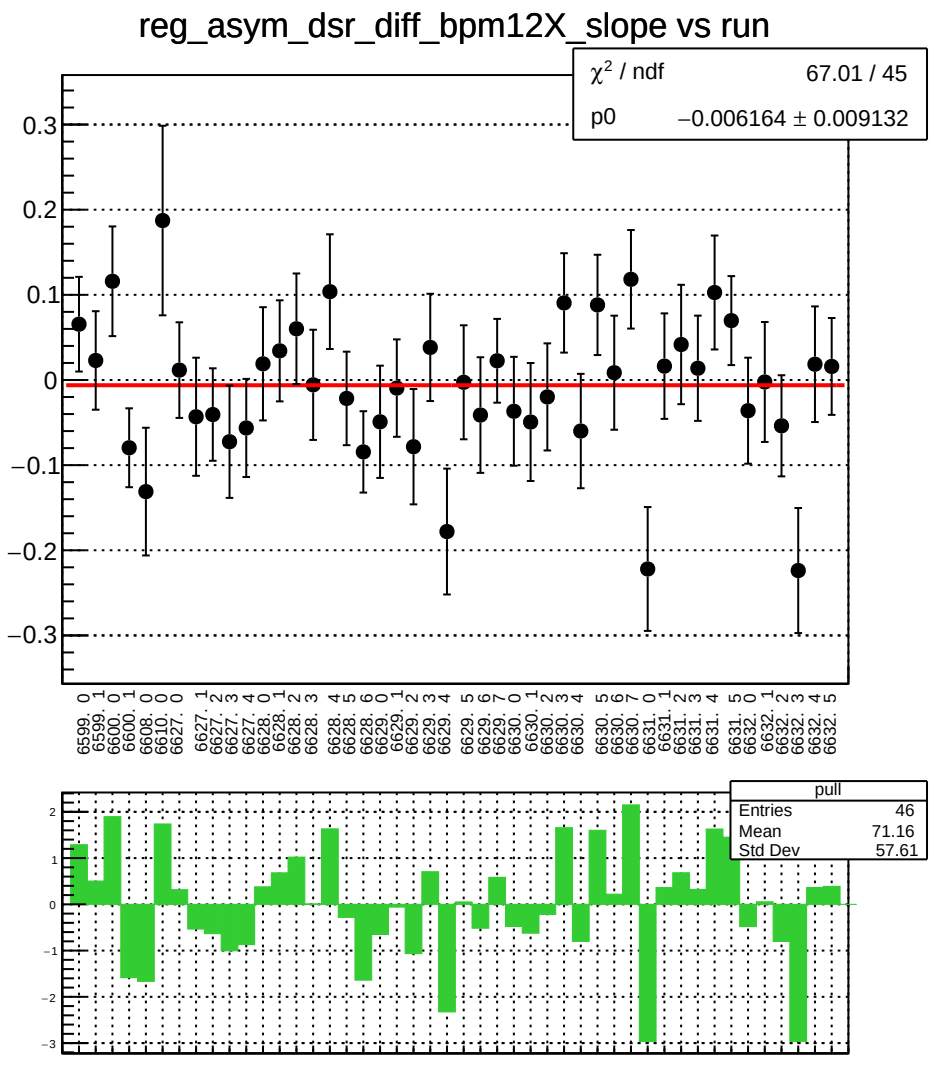

pull1D
Entries 46
Mean 0.00496
Std Dev 0.9209

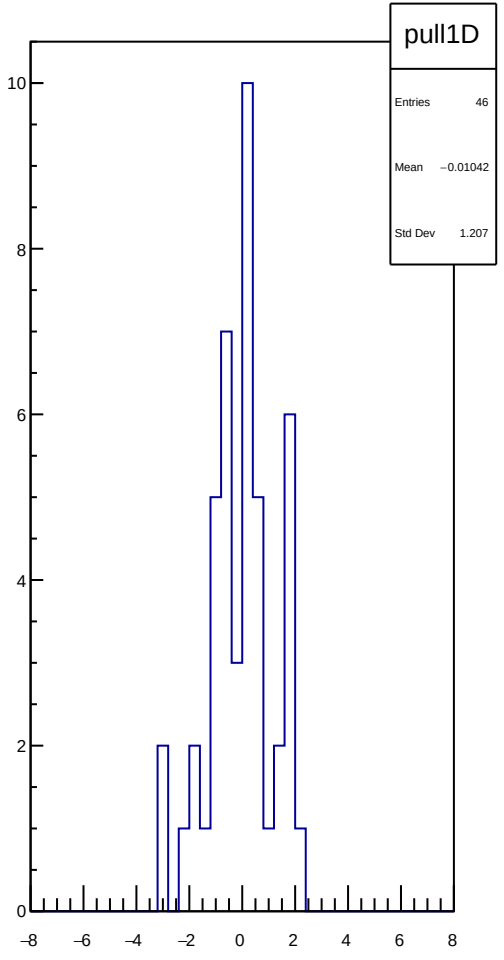

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 58.76 / 45
p0 0.1933 ± 0.2284
6
4
2
0
−2
−4
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 331
Std Dev 307.6
3
2
1
0
−1
−2

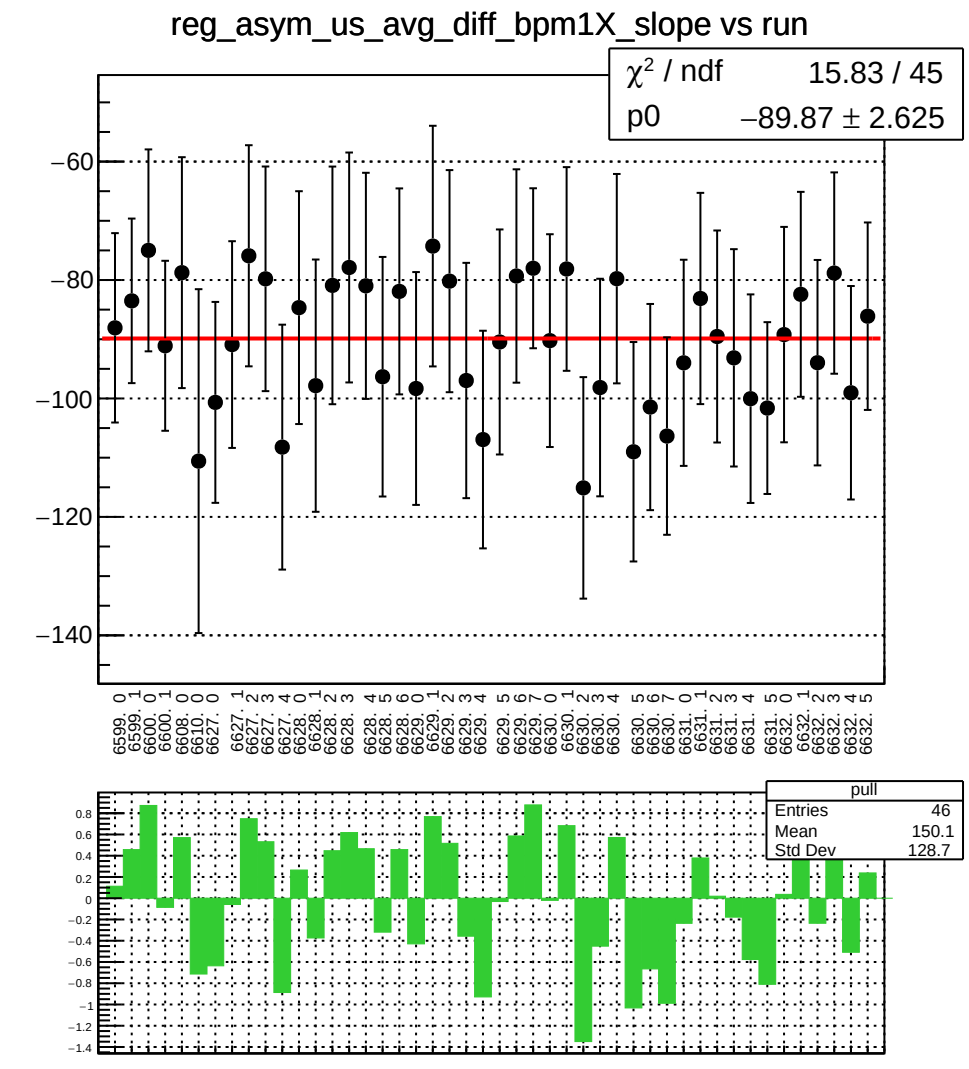

pull1D
Entries 46
Mean 0.0146
Std Dev 1.13
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

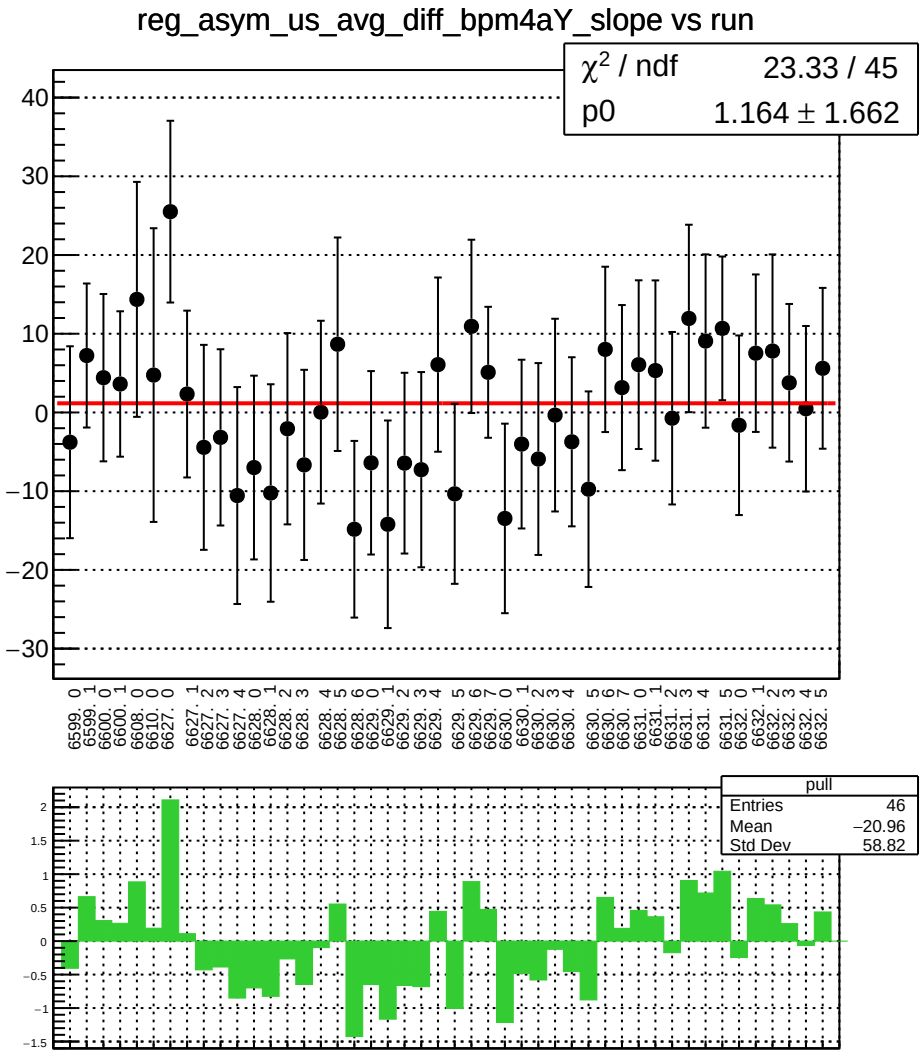

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 40.84 / 45
p0 0.0901 ± 0.1635
pull
Entries 46
Mean 36.65
Std Dev 40.24

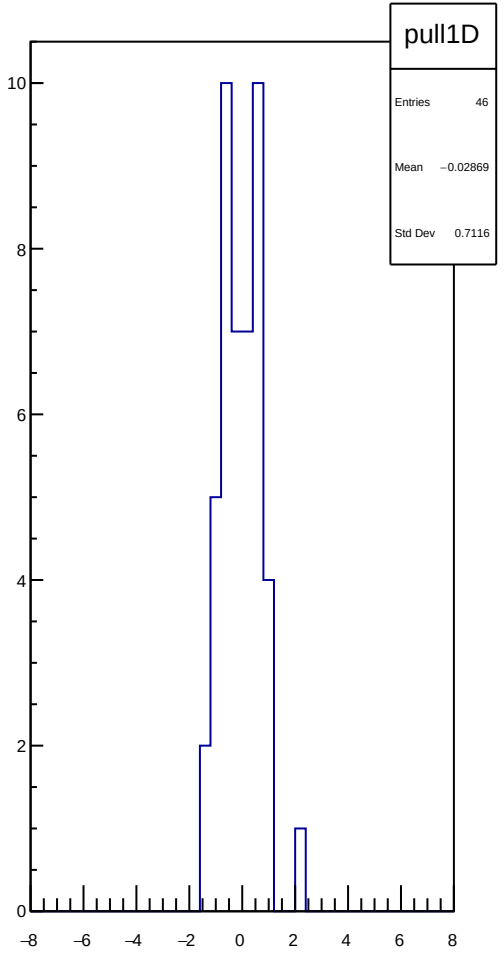

pull1D
Entries 46
Mean −0.01126
Std Dev 0.9422

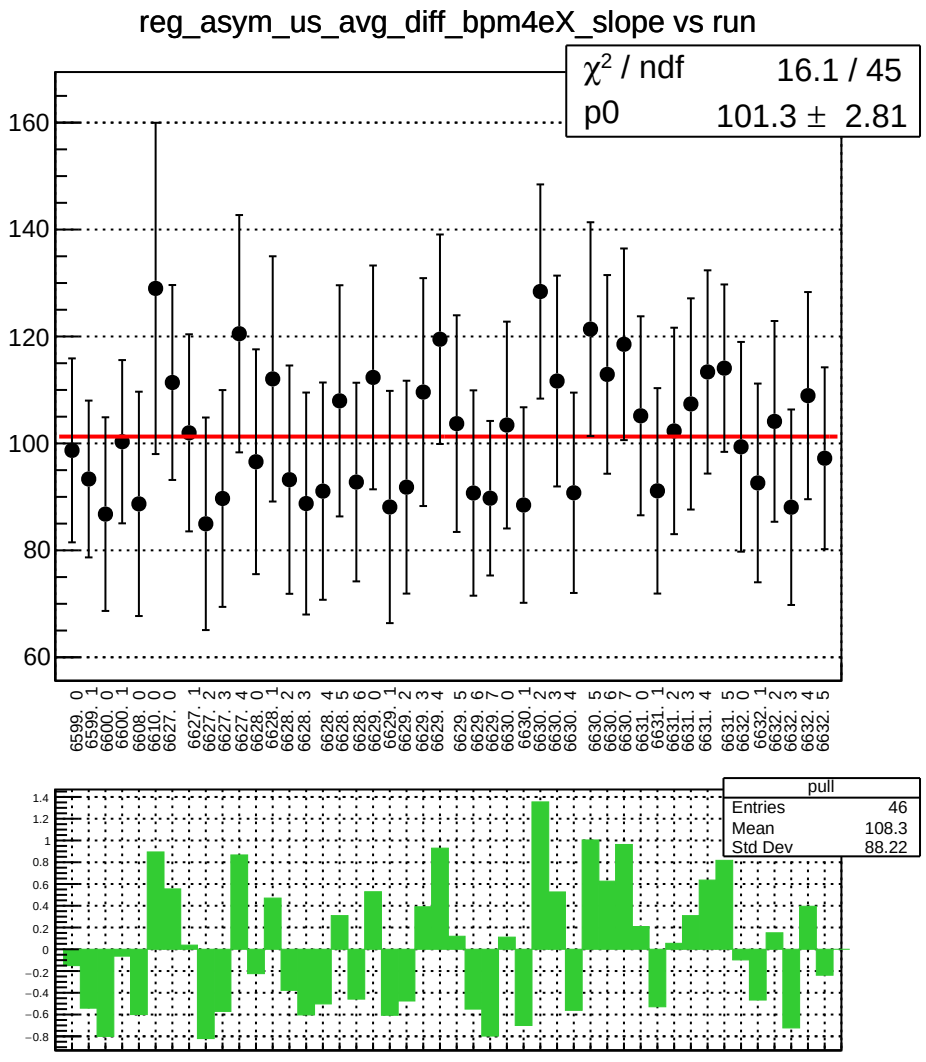

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 67.01 / 45
p0 −0.006164 ± 0.009132
pull
Entries 46
Mean 71.16
Std Dev 57.61

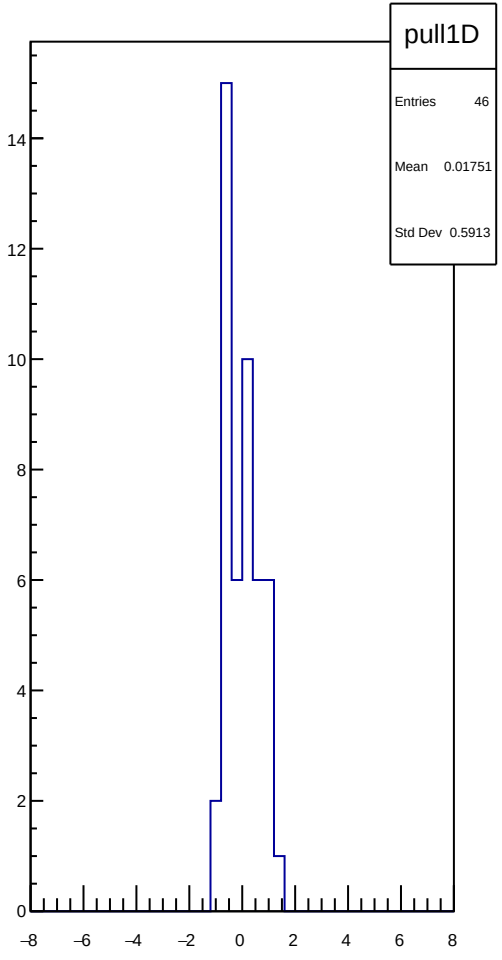

pull1D
Entries 46
Mean −0.01042
Std Dev 1.207

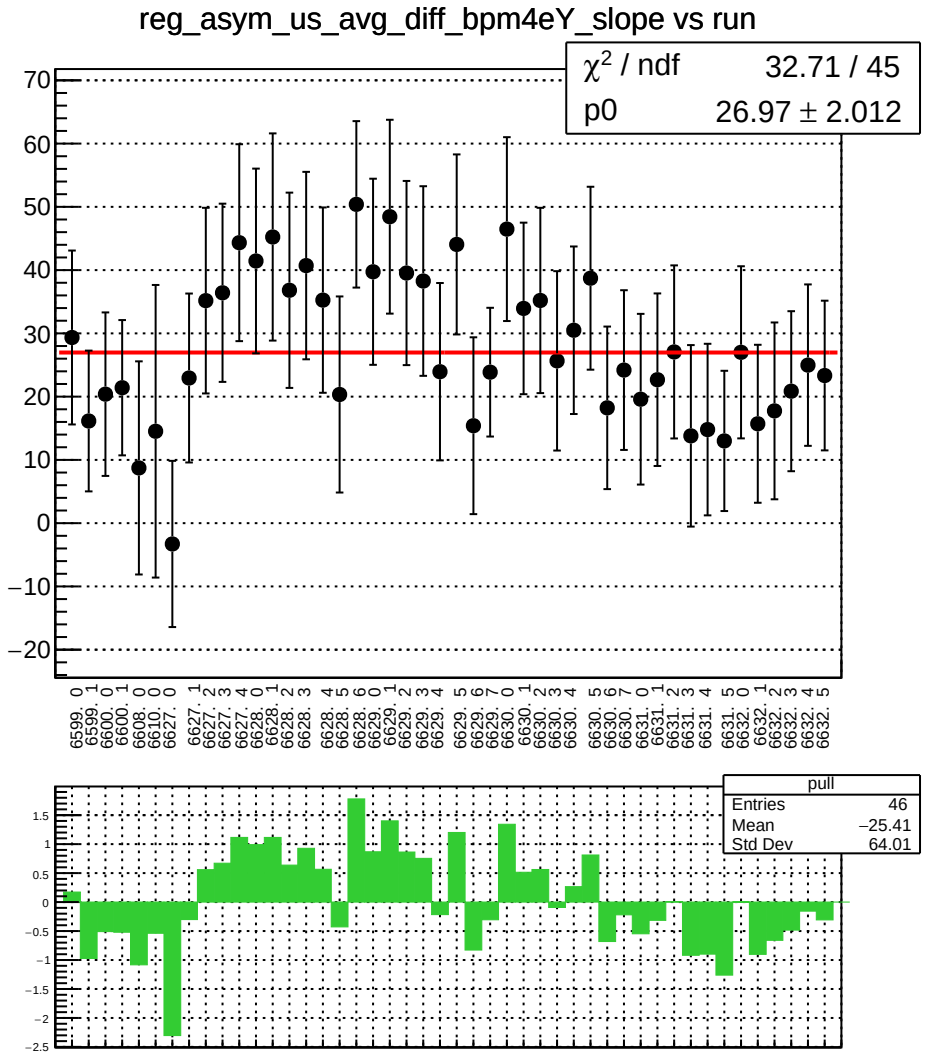

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 15.83 / 45
p0 −89.87 ± 2.625
−60
−80
−100
−120
−140
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 150.1
Std Dev 128.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 46
Mean −0.01233
Std Dev 0.5864
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

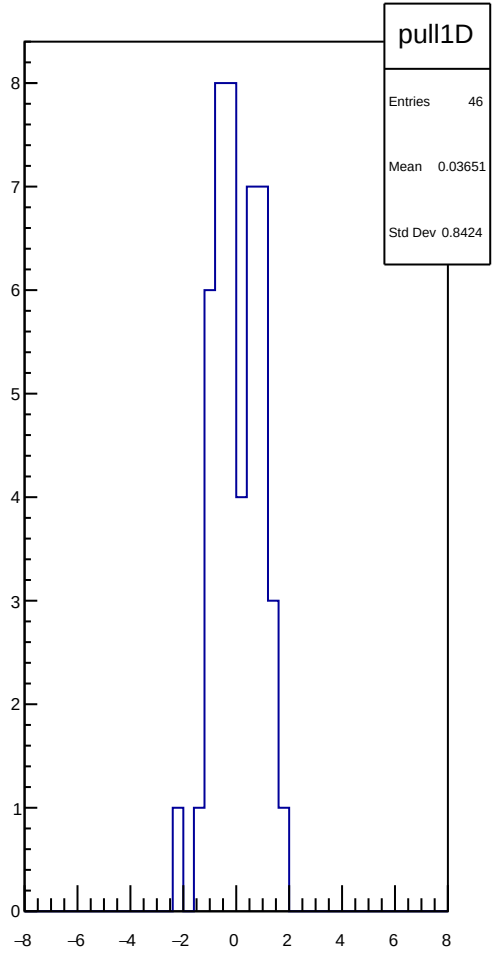

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.33 / 45
p0 1.164 ± 1.662
pull
Entries 46
Mean −20.96
Std Dev 58.82

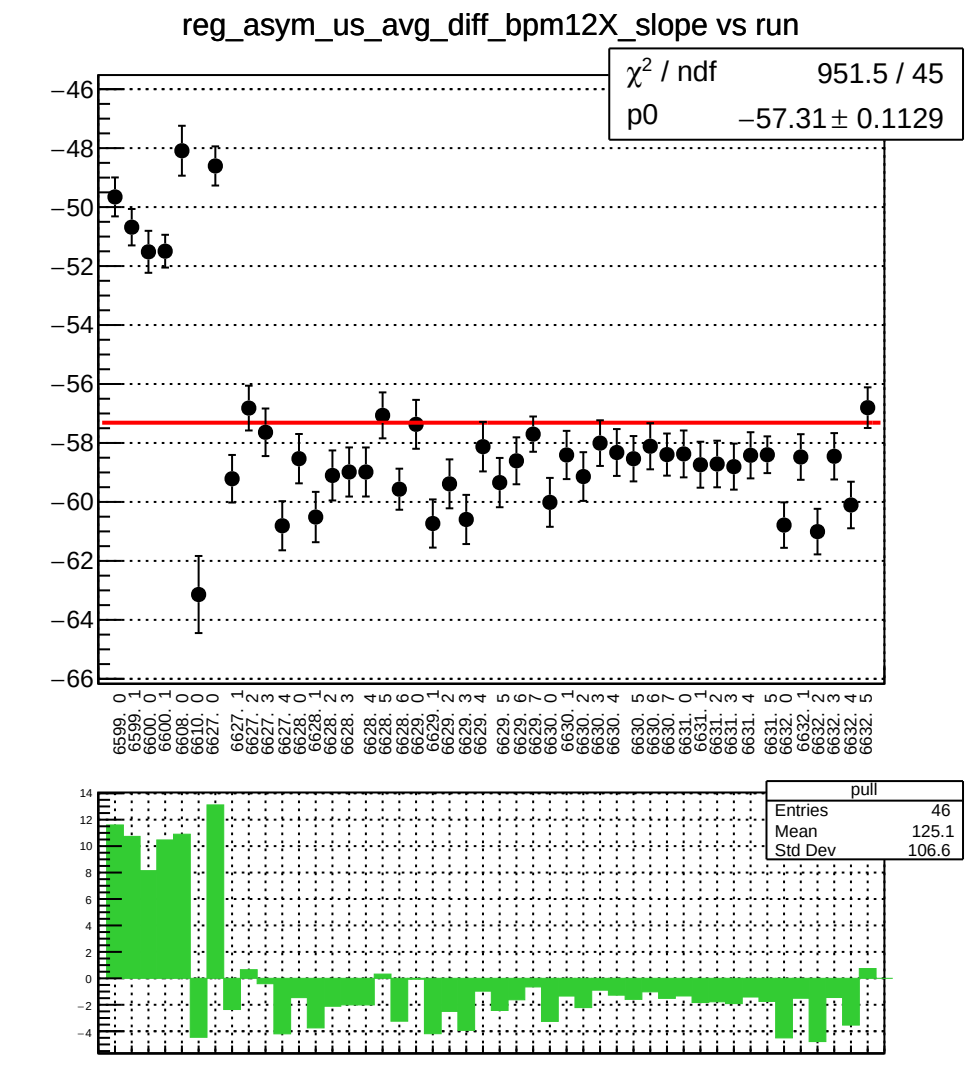

pull1D
Entries 46
Mean −0.02869
Std Dev 0.7116

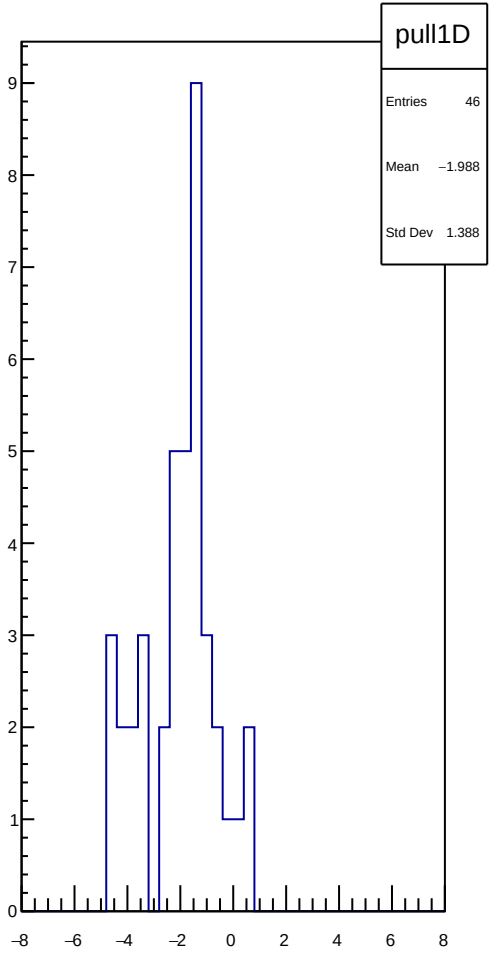

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.1 / 45
p0 101.3 ± 2.81
160
140
120
100
80
60
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 108.3
Std Dev 88.22
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

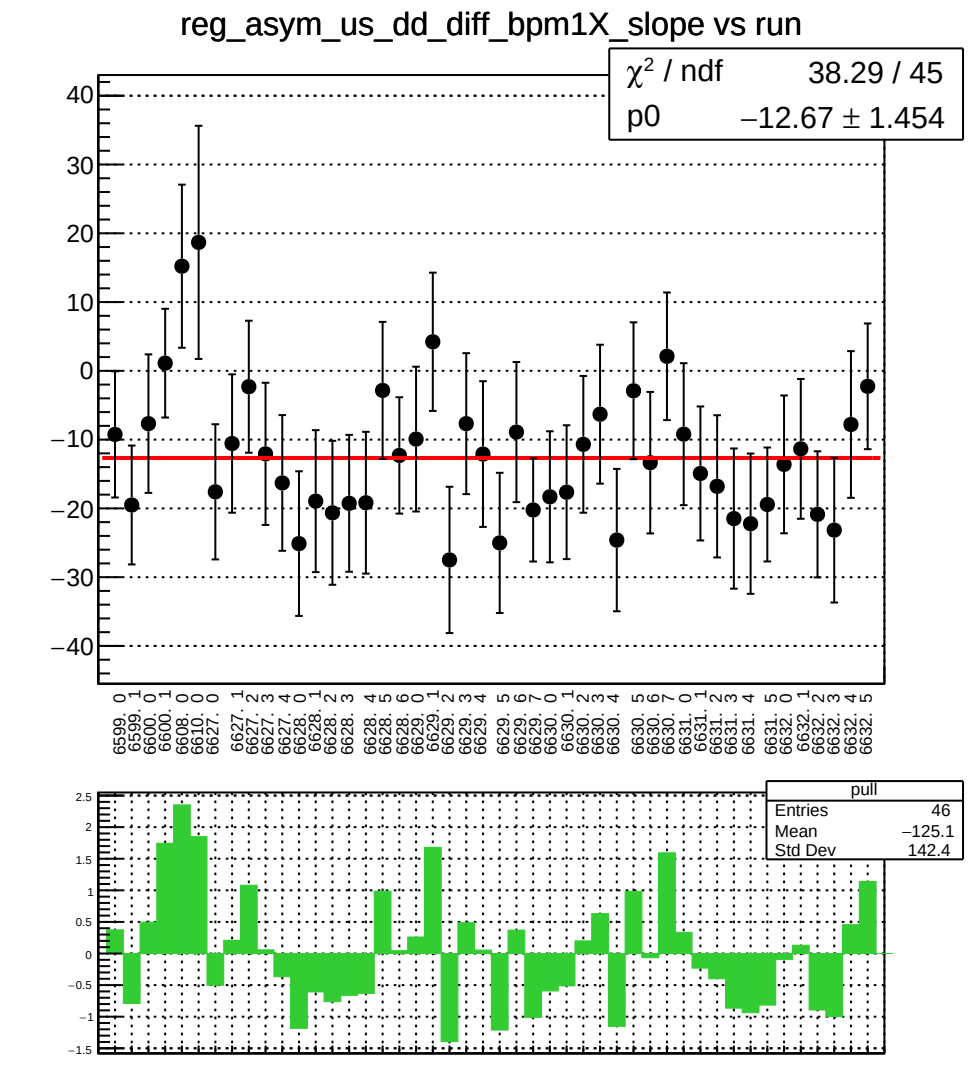

pull1D
Entries 46
Mean 0.01751
Std Dev 0.5913
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

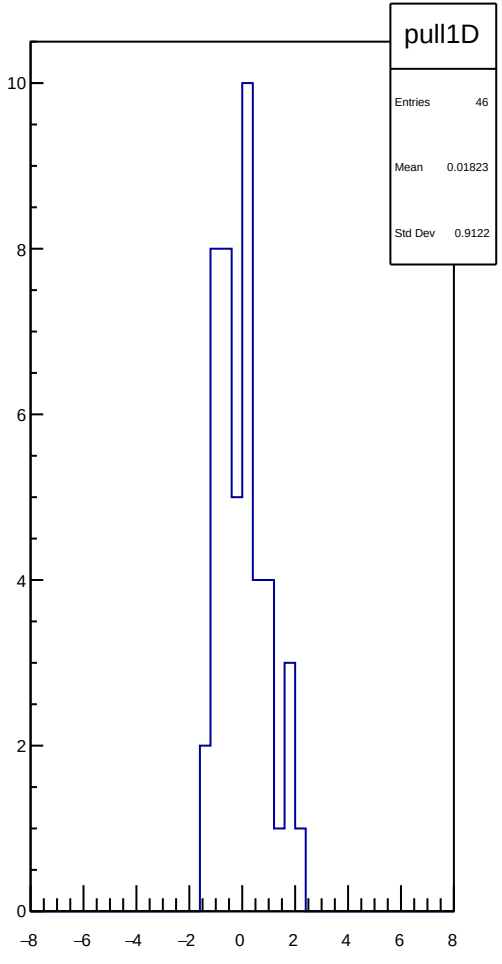

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.71 / 45
p0 26.97 ± 2.012
pull
Entries 46
Mean −25.41
Std Dev 64.01

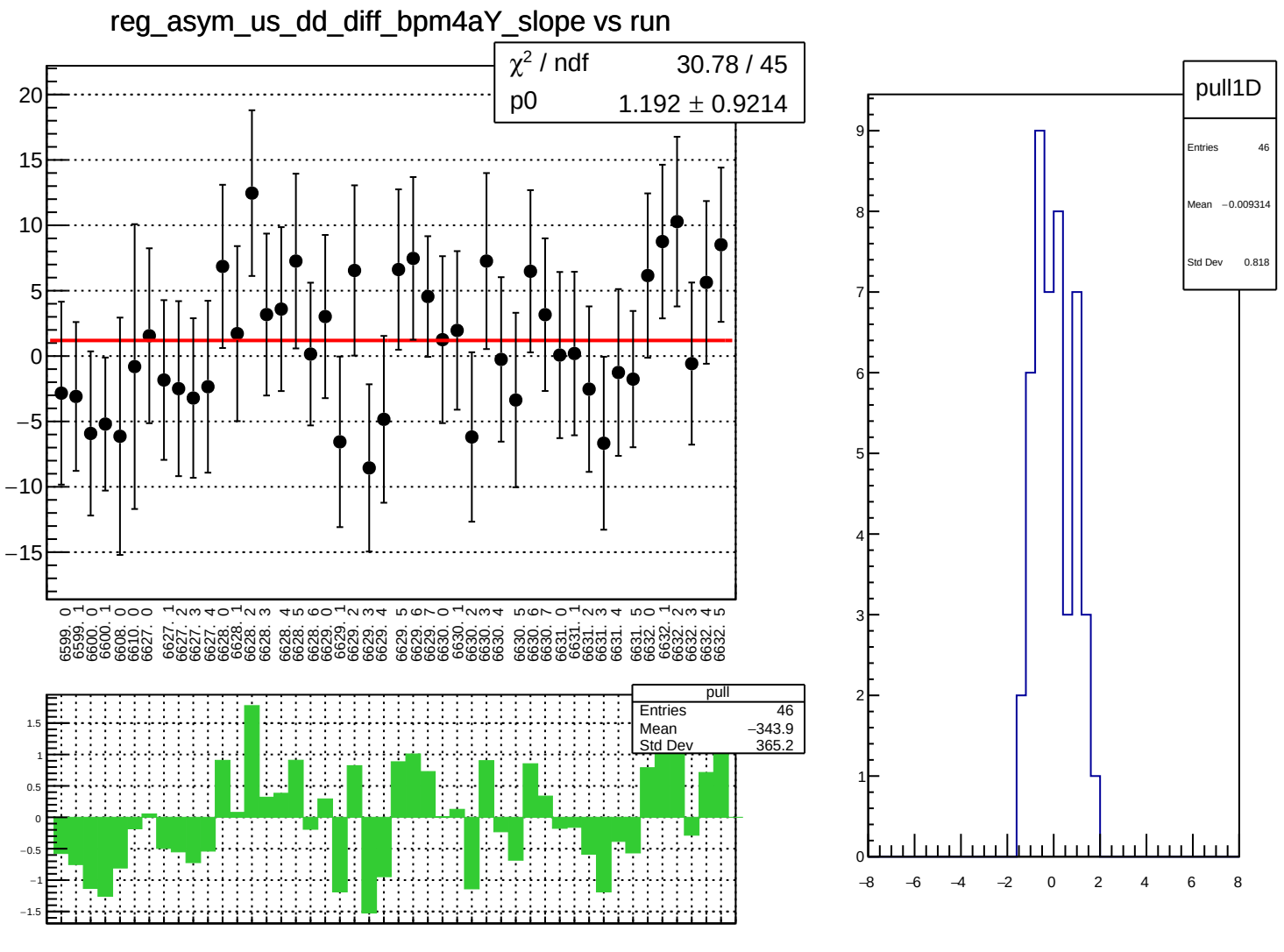

pull1D
Entries 46
Mean 0.03651
Std Dev 0.8424

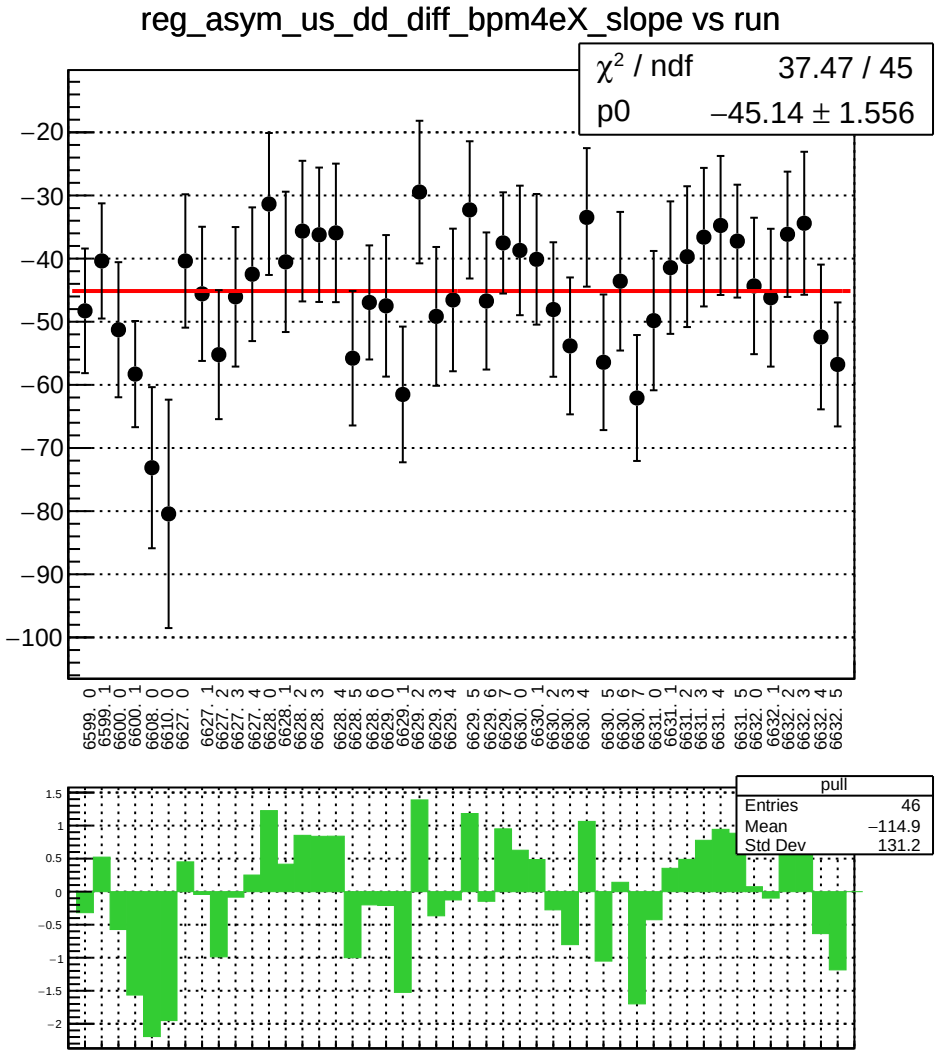

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 951.5 / 45
p0 −57.31 ± 0.1129
pull
Entries 46
Mean 125.1
Std Dev 106.6

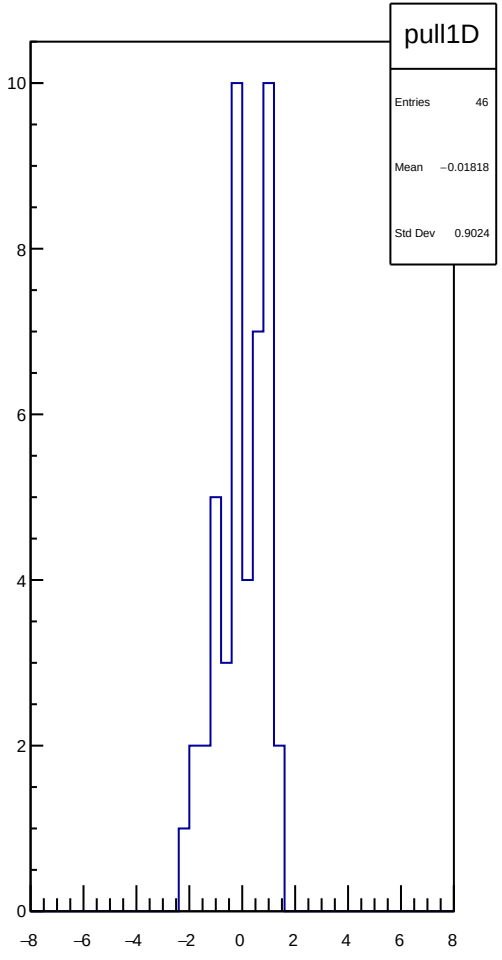

pull1D
Entries 46
Mean −1.988
Std Dev 1.388

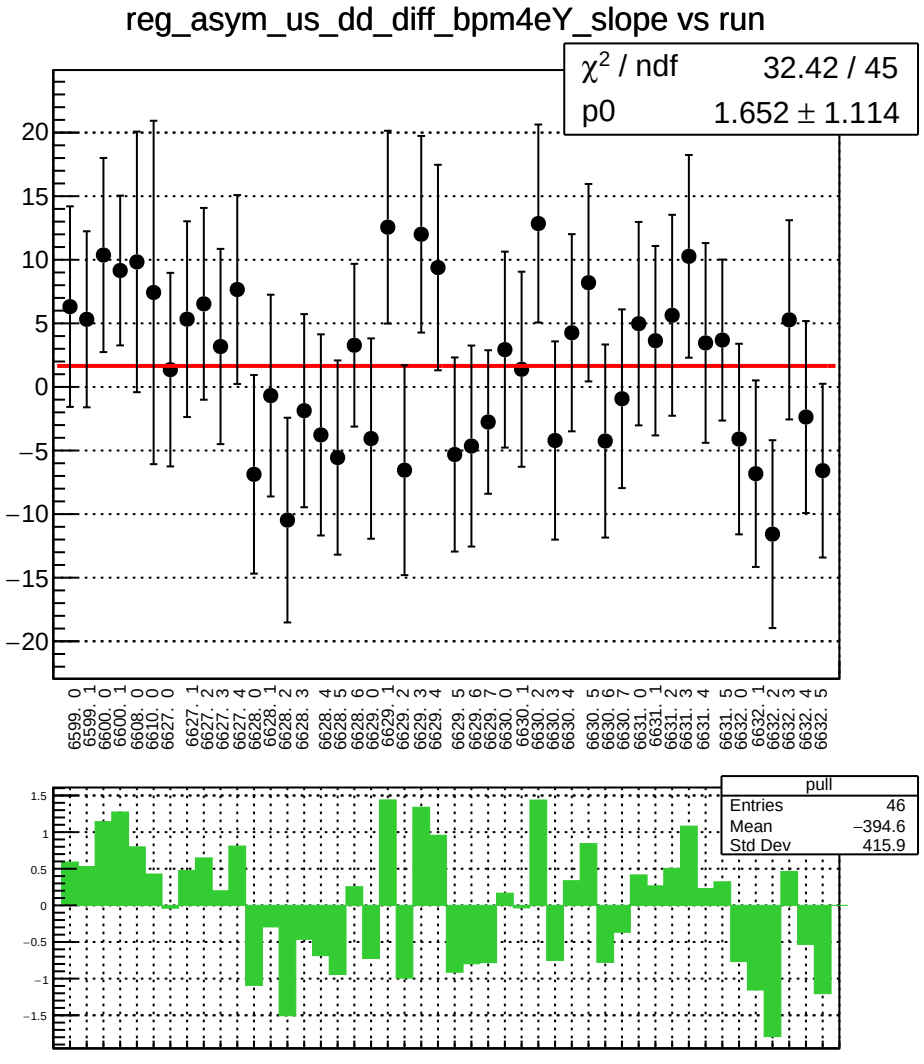

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 38.29 / 45
p0 −12.67 ± 1.454
pull
Entries 46
Mean −125.1
Std Dev 142.4

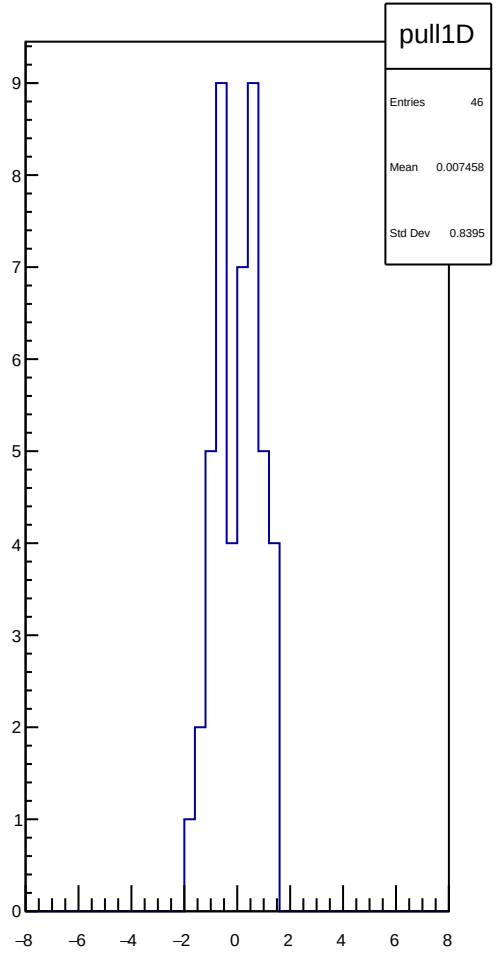

pull1D
Entries 46
Mean 0.01823
Std Dev 0.9122

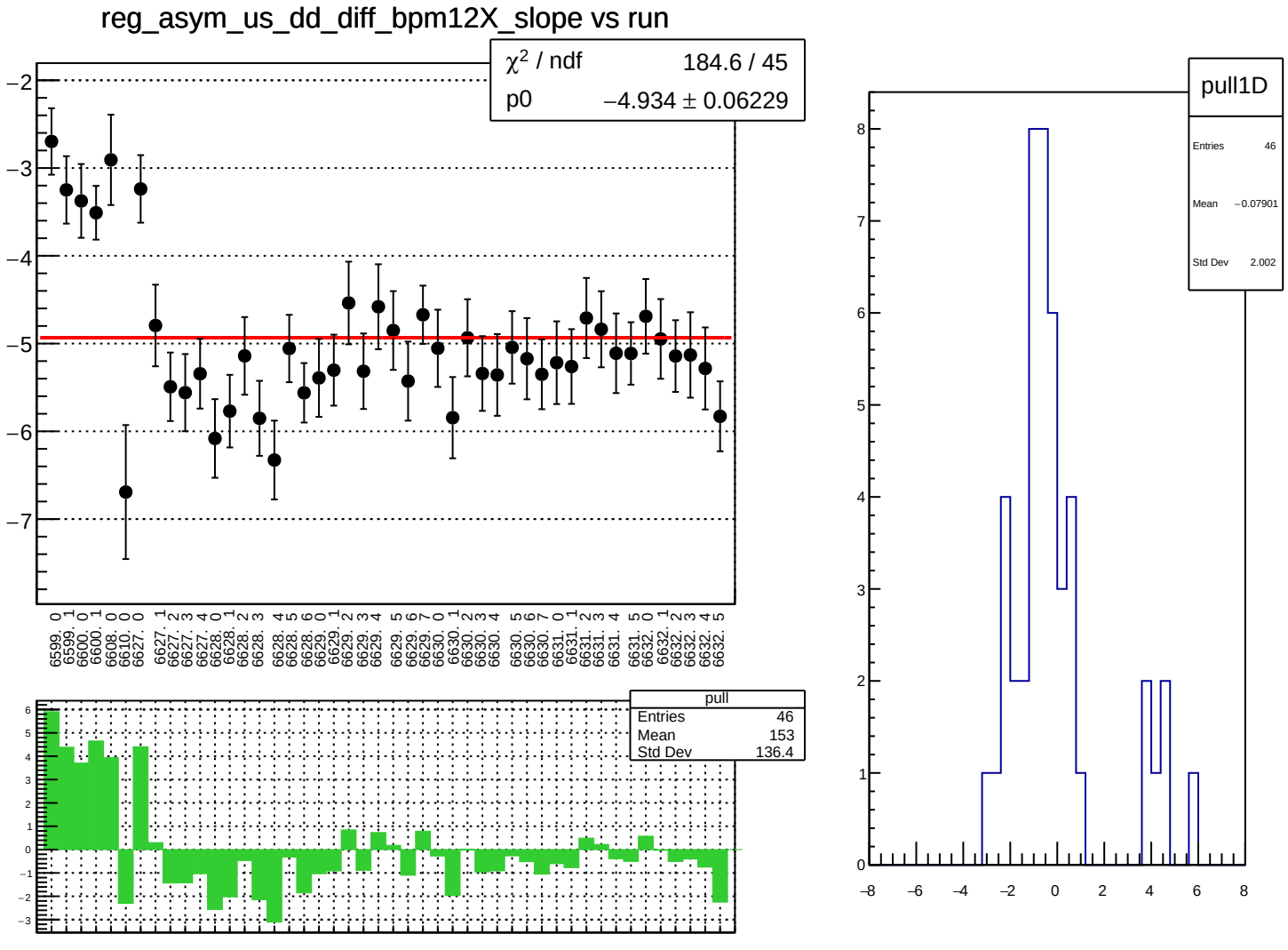

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.78 / 45
p0 1.192 ± 0.9214
pull
Entries 46
Mean −343.9
Std Dev 365.2
pull1D
Entries 46
Mean −0.009314
Std Dev 0.818

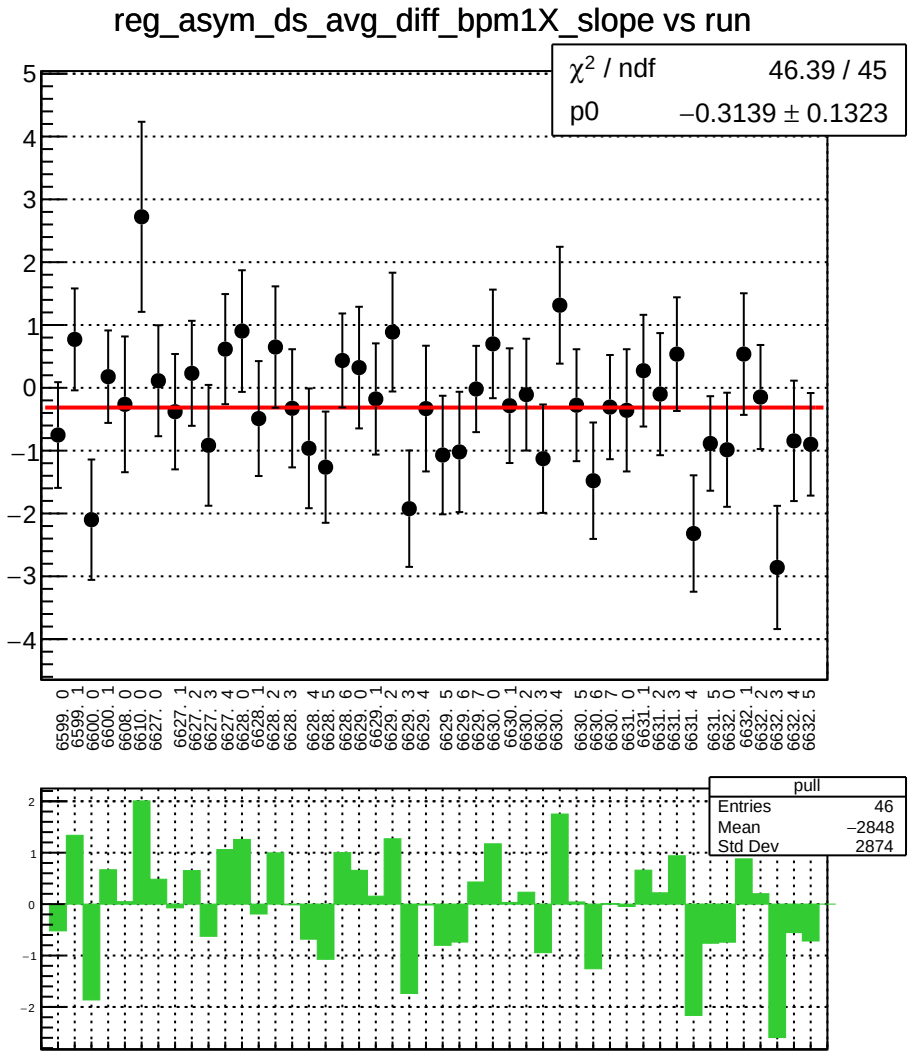

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.47 / 45
p0 −45.14 ± 1.556
pull
Entries 46
Mean −114.9
Std Dev 131.2

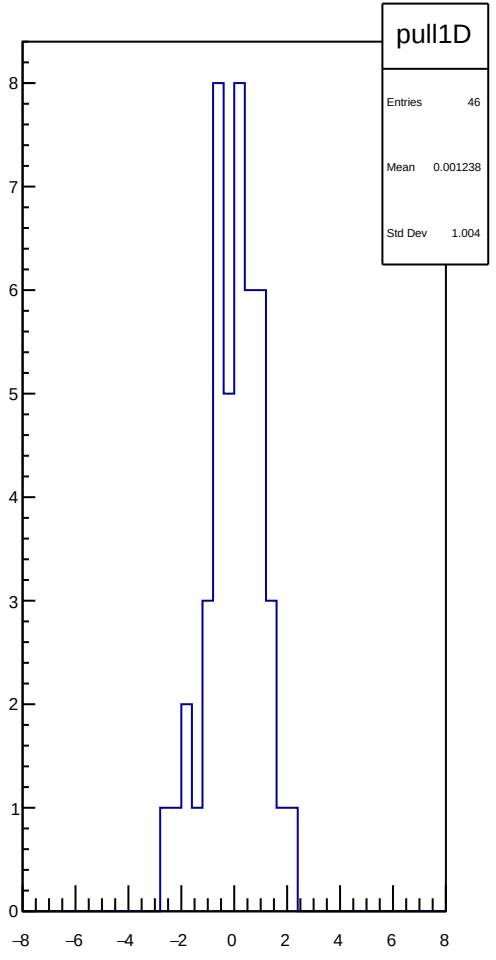

pull1D
Entries 46
Mean −0.01818
Std Dev 0.9024

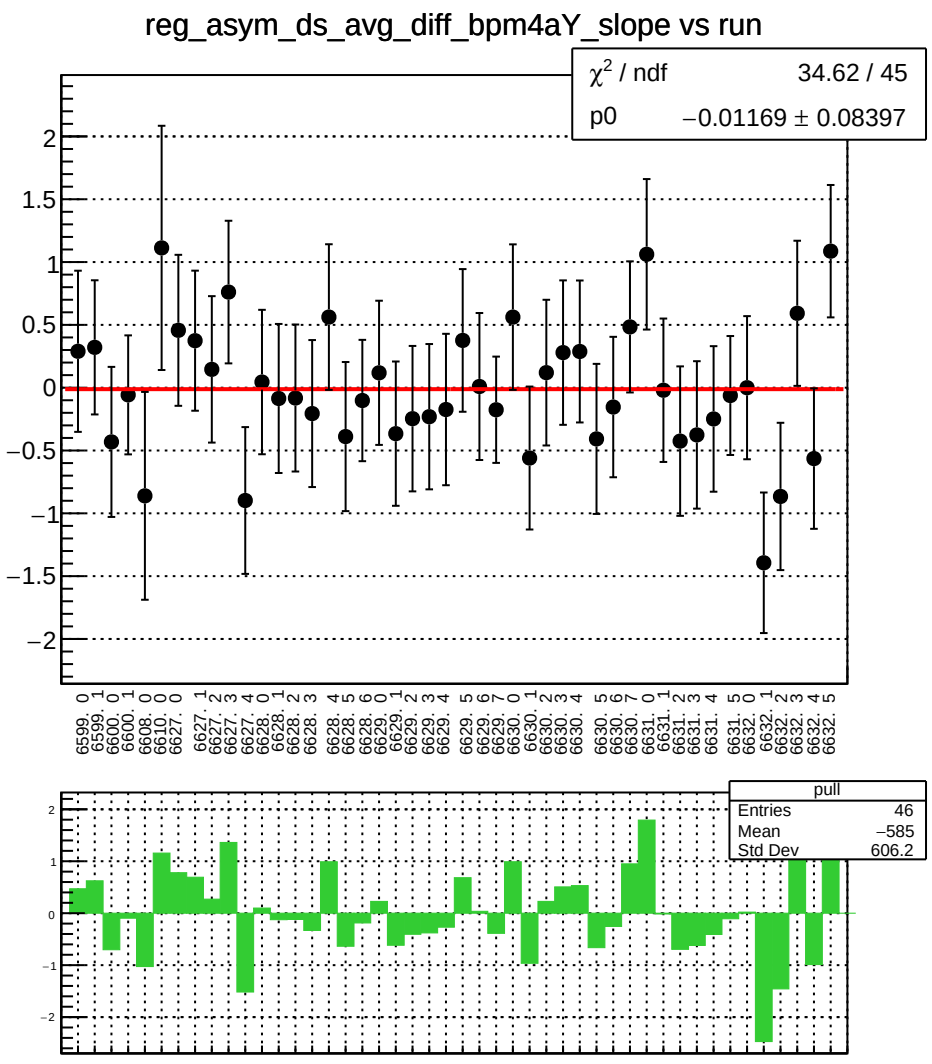

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.42 / 45
p0 1.652 ± 1.114
pull
Entries 46
Mean −394.6
Std Dev 415.9

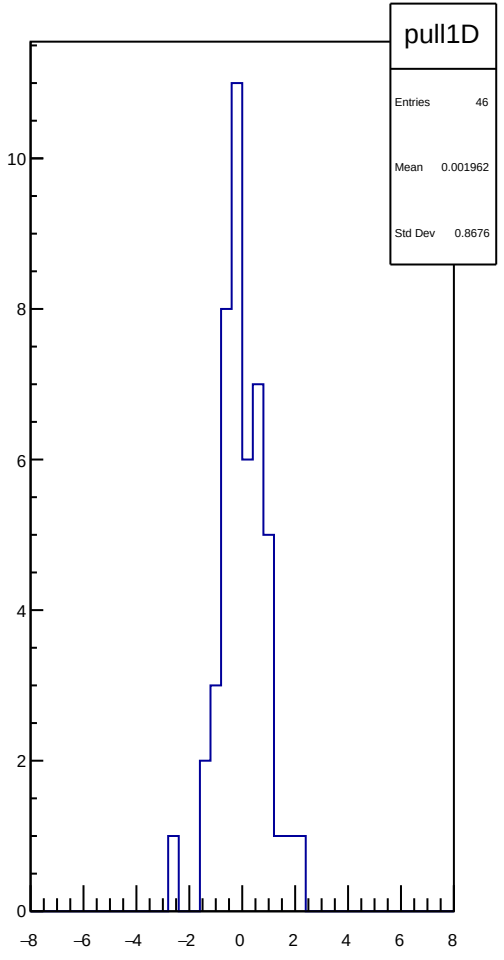

pull1D
Entries 46
Mean 0.007458
Std Dev 0.8395

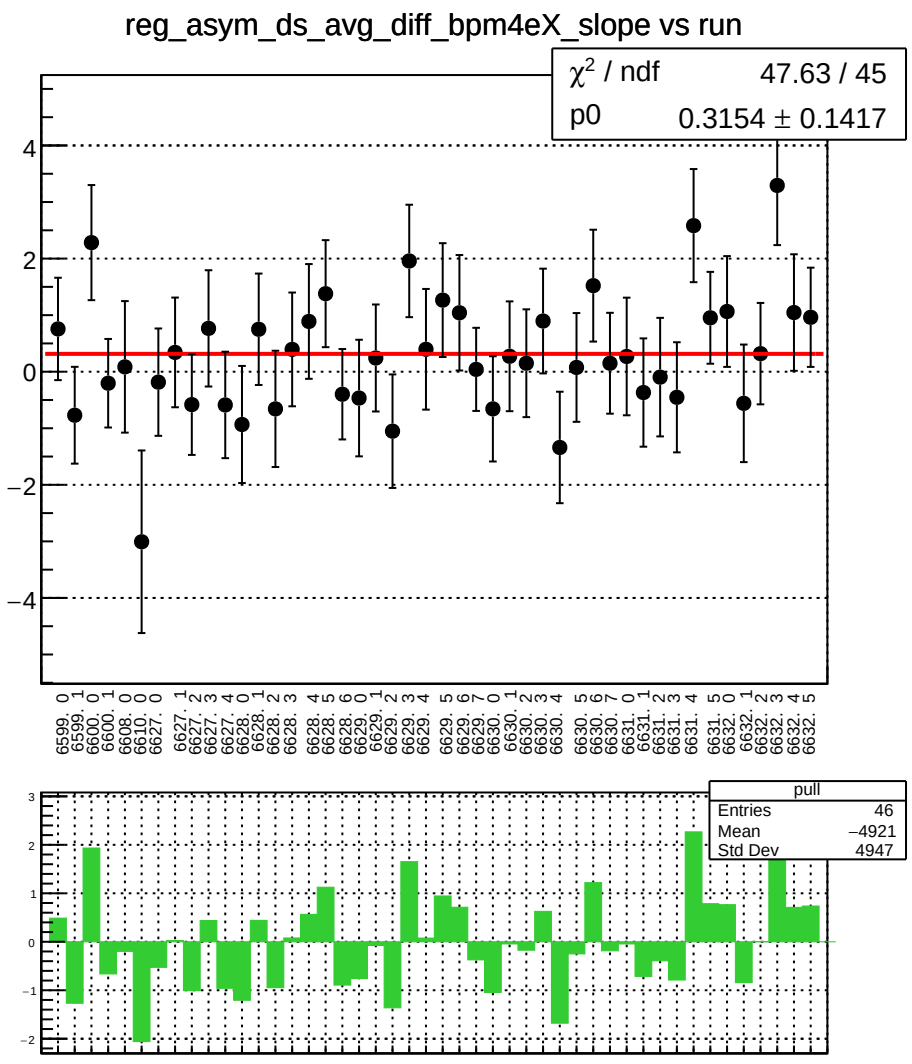

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 184.6 / 45
p0 −4.934 ± 0.06229
pull
Entries 46
Mean 153
Std Dev 136.4
pull1D
Entries 46
Mean −0.07901
Std Dev 2.002

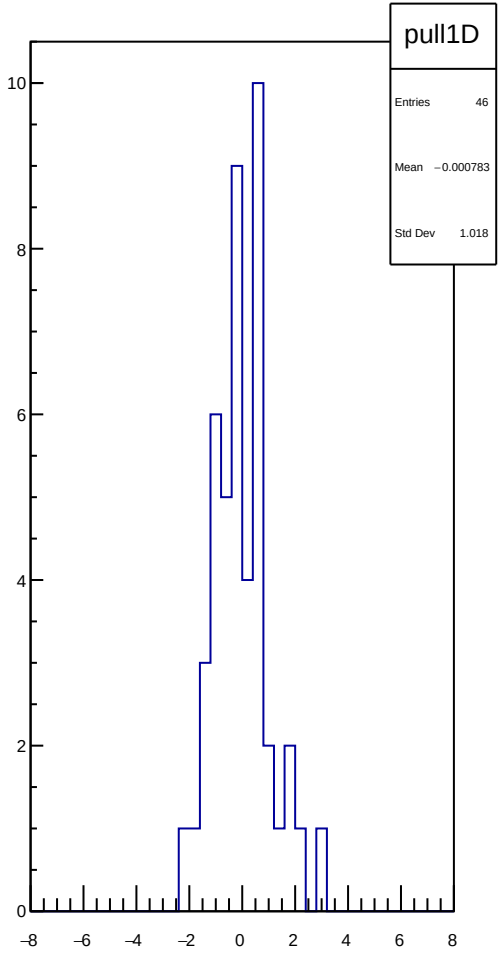

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 46.39 / 45
p0 −0.3139 ± 0.1323
pull
Entries 46
Mean −2848
Std Dev 2874

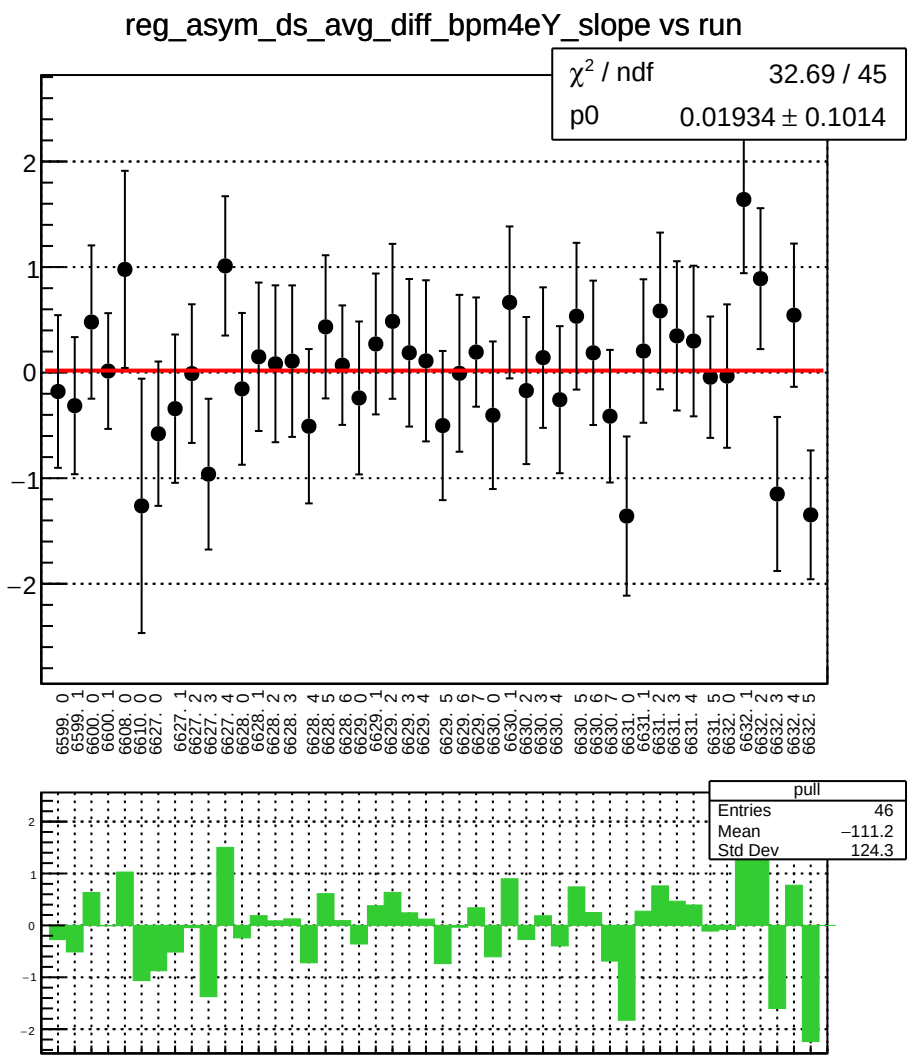

pull1D
Entries 46
Mean 0.001238
Std Dev 1.004

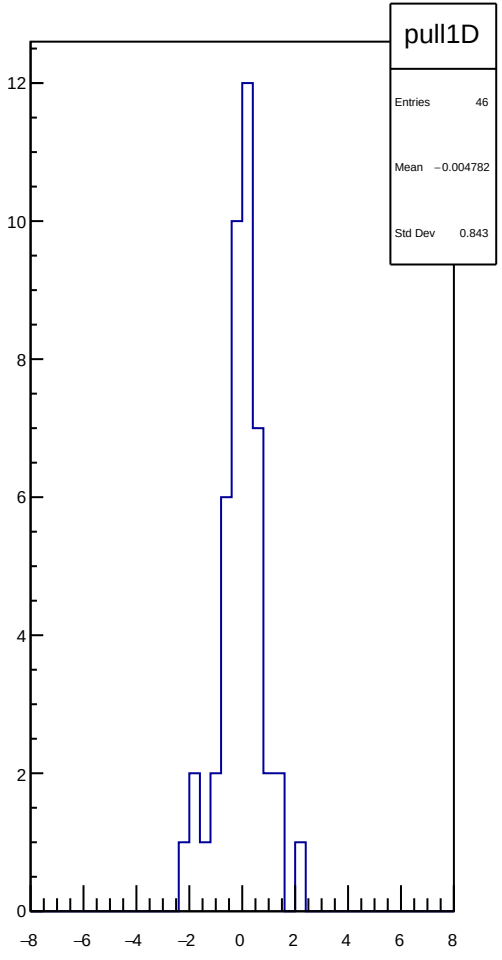

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.62 / 45
p0 −0.01169 ± 0.08397
pull
Entries 46
Mean −585
Std Dev 606.2

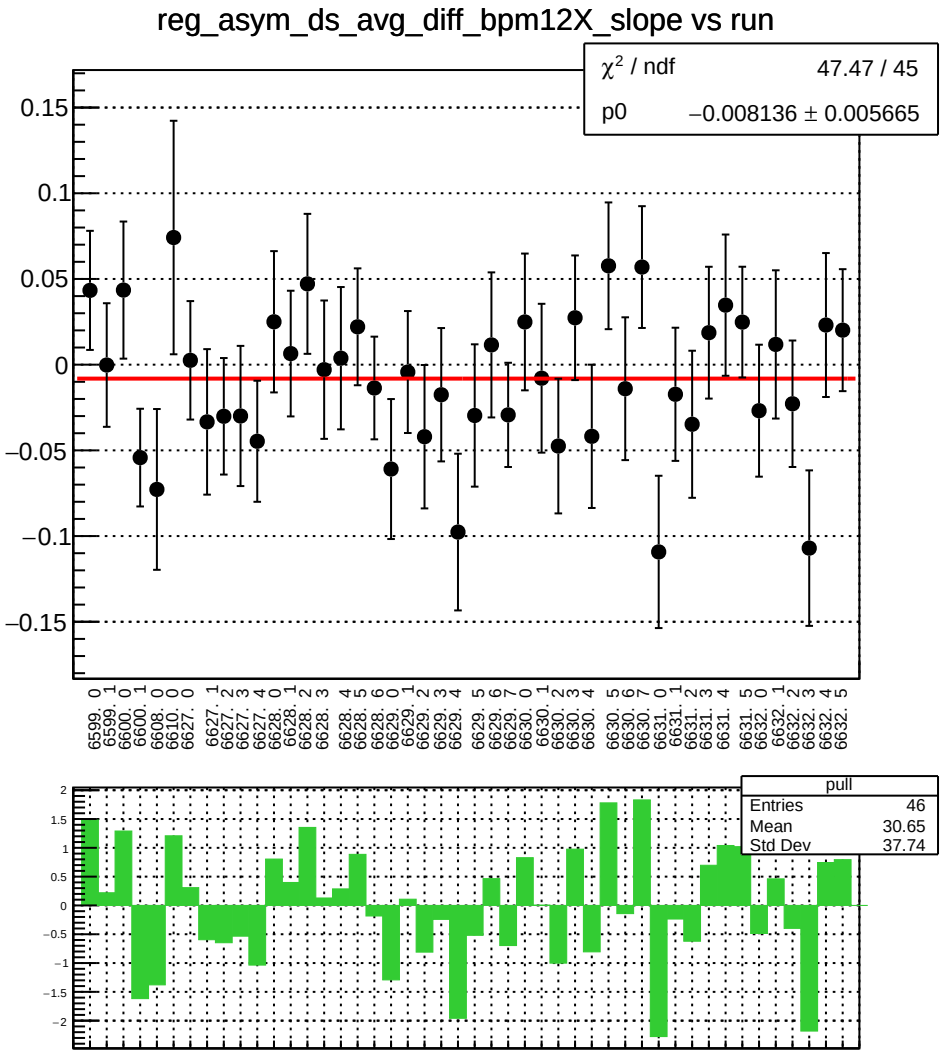

pull1D
Entries 46
Mean 0.001962
Std Dev 0.8676

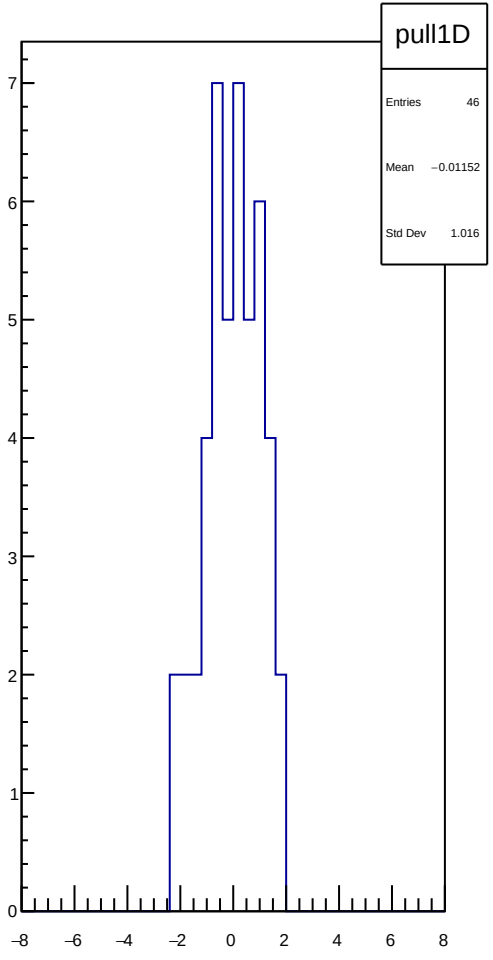

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.63 / 45
p0 0.3154 ± 0.1417
pull
Entries 46
Mean −4921
Std Dev 4947

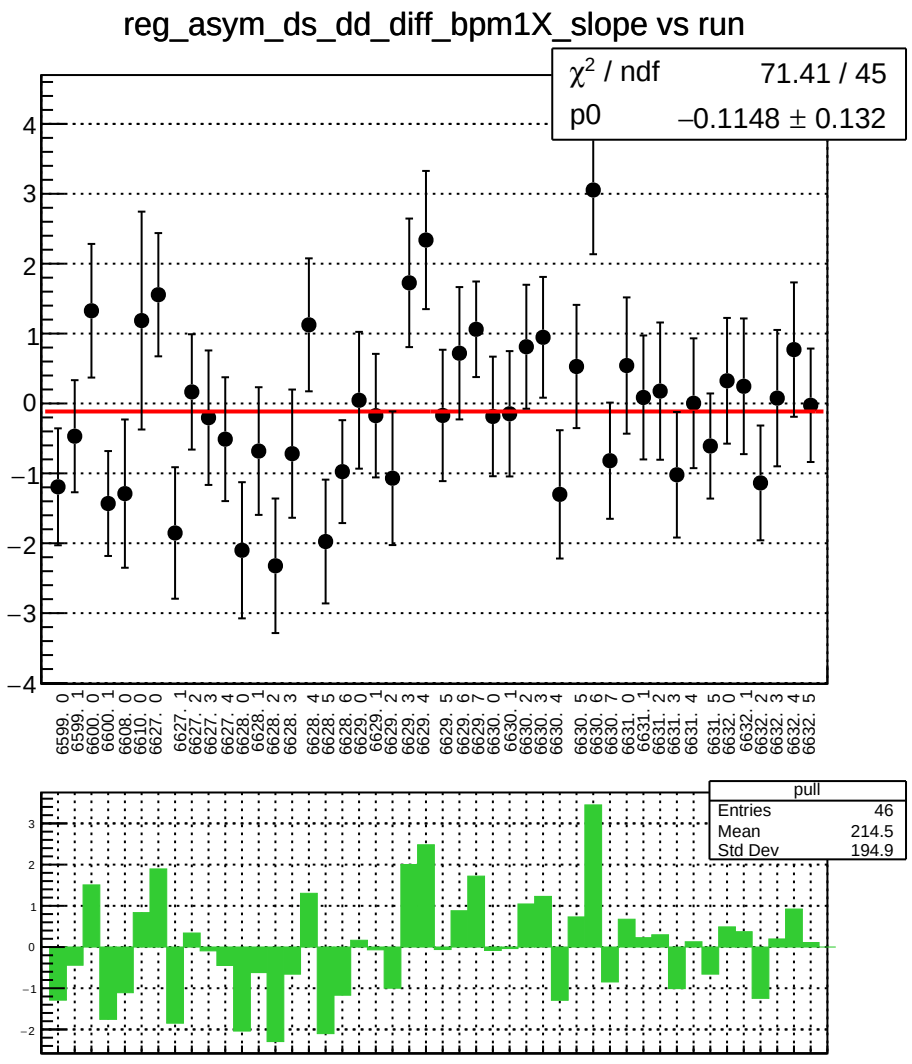

pull1D
Entries 46
Mean −0.000783
Std Dev 1.018

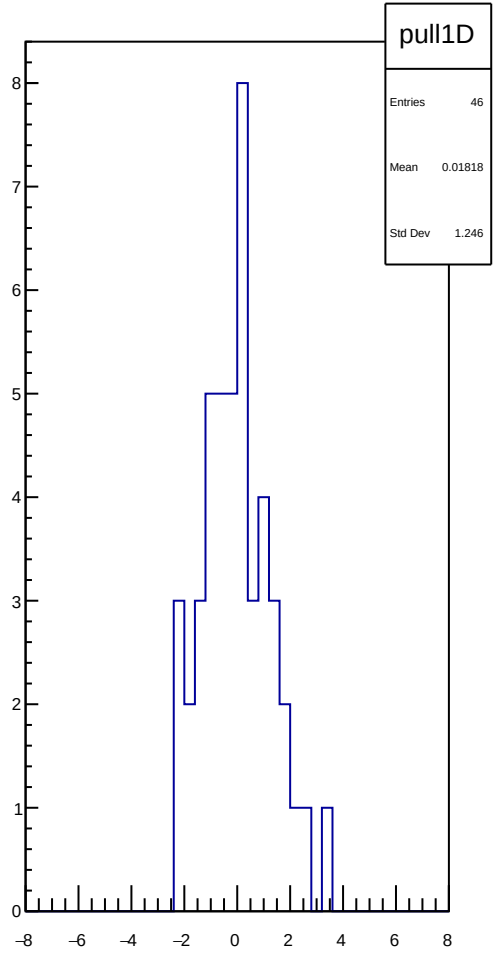

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.69 / 45
p0 0.01934 ± 0.1014
pull
Entries 46
Mean −111.2
Std Dev 124.3

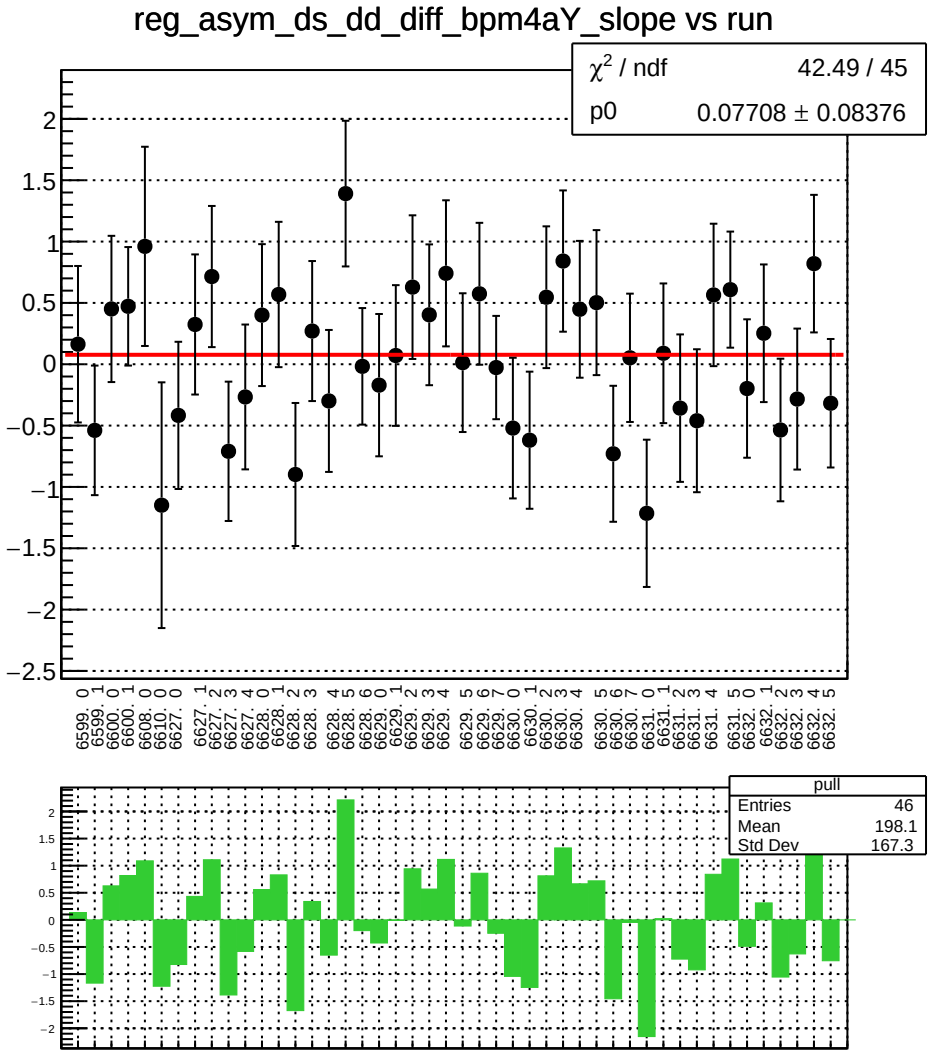

pull1D
Entries 46
Mean −0.004782
Std Dev 0.843

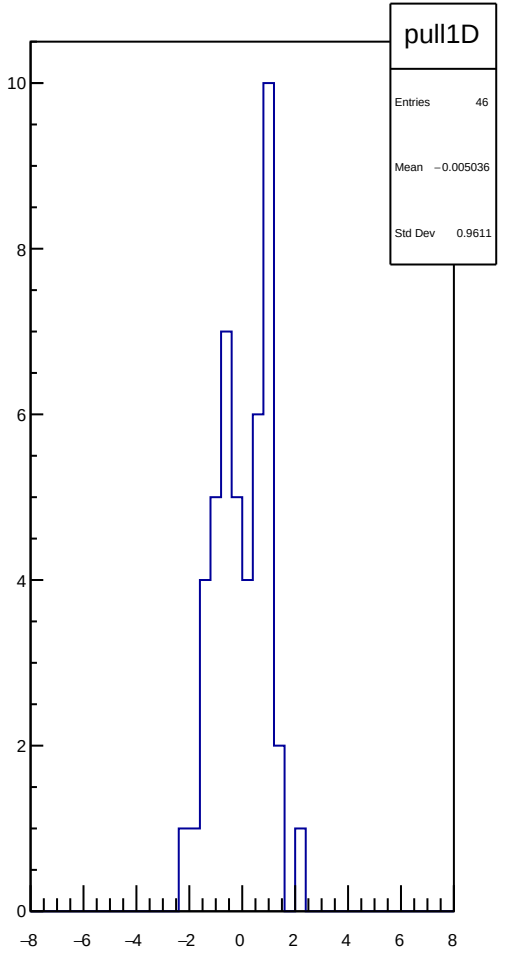

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 47.47 / 45
p0 −0.008136 ± 0.005665
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 30.65
Std Dev 37.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

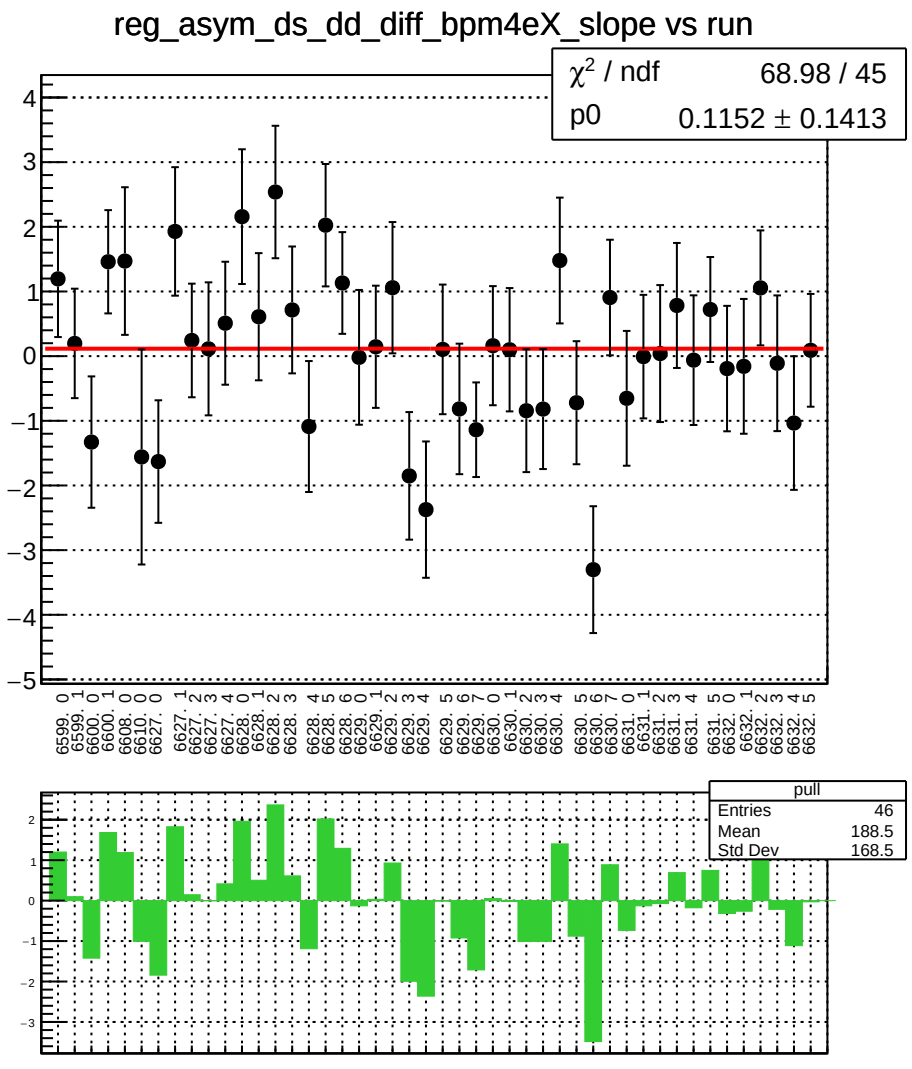

pull1D
Entries 46
Mean −0.01152
Std Dev 1.016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

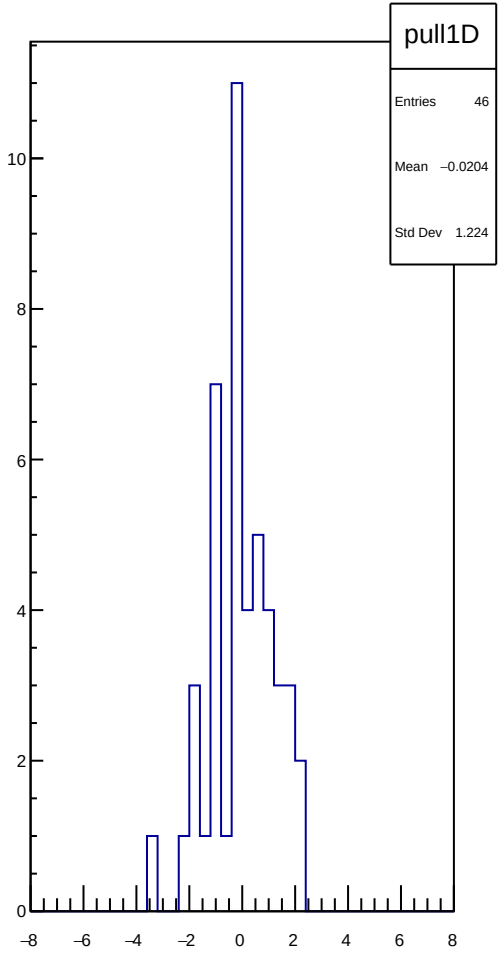

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 71.41 / 45
p0 −0.1148 ± 0.132
pull
Entries 46
Mean 214.5
Std Dev 194.9

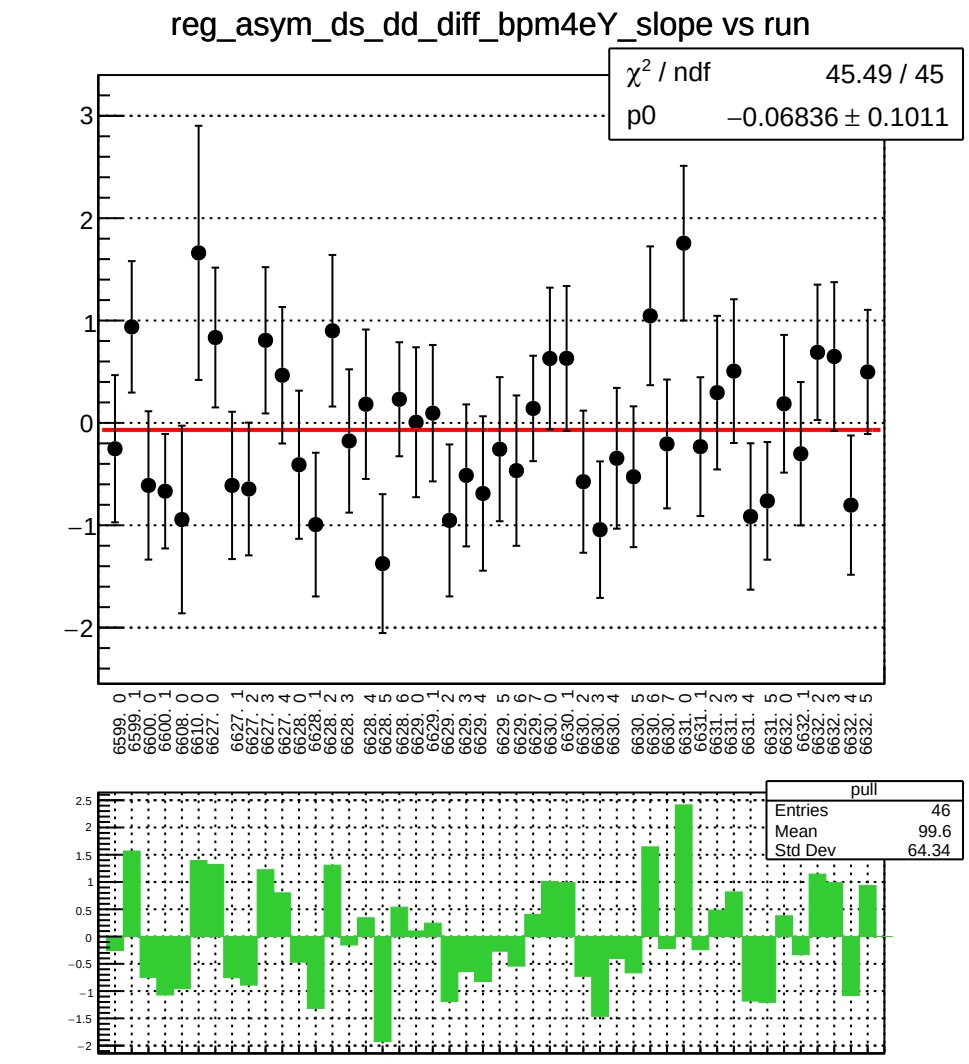

pull1D
Entries 46
Mean 0.01818
Std Dev 1.246

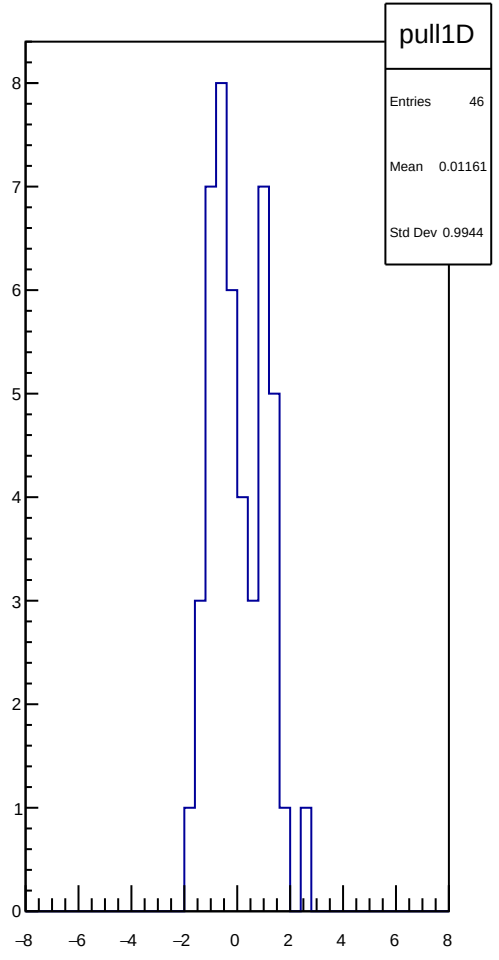

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.49 / 45
p0 0.07708 ± 0.08376
pull
Entries 46
Mean 198.1
Std Dev 167.3

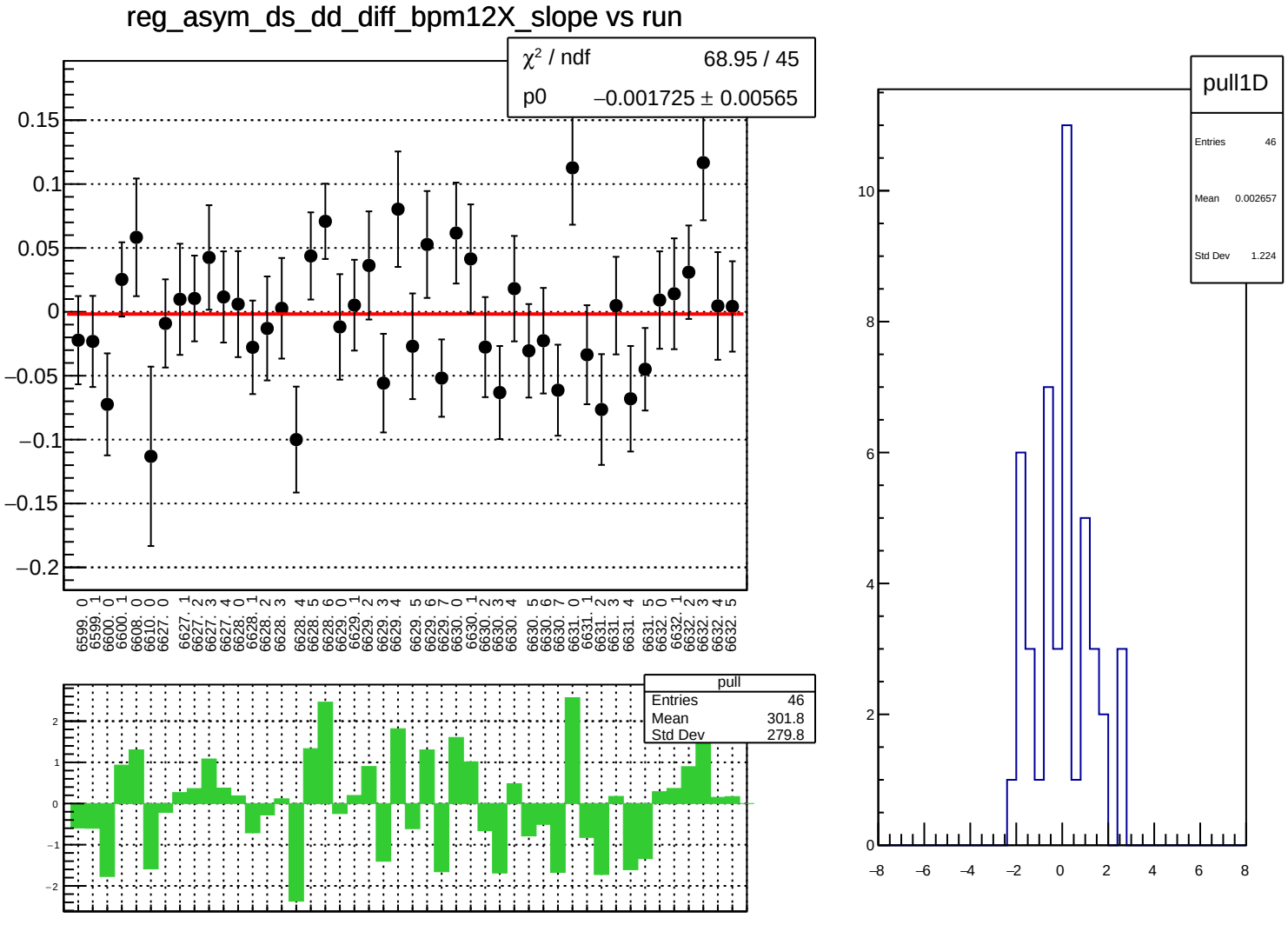

pull1D
Entries 46
Mean −0.005036
Std Dev 0.9611

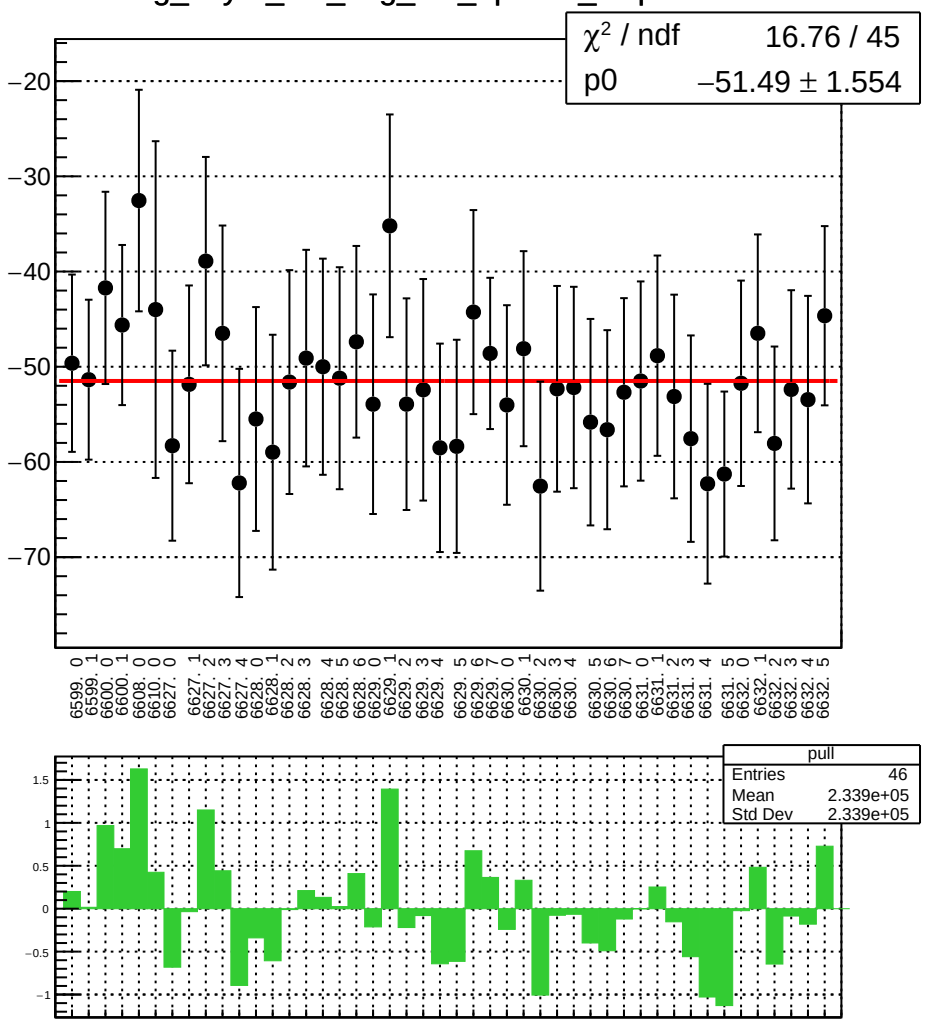

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.98 / 45
p0 0.1152 ± 0.1413
pull
Entries 46
Mean 188.5
Std Dev 168.5

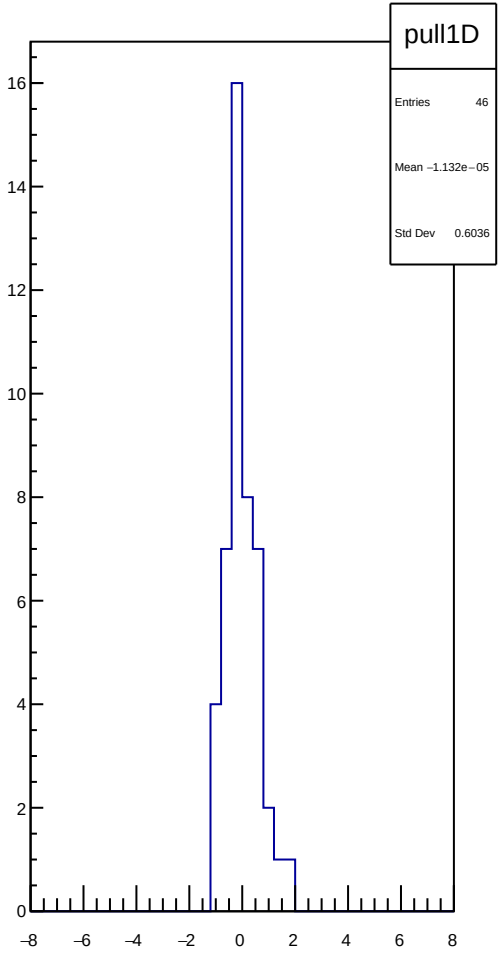

pull1D
Entries 46
Mean −0.0204
Std Dev 1.224

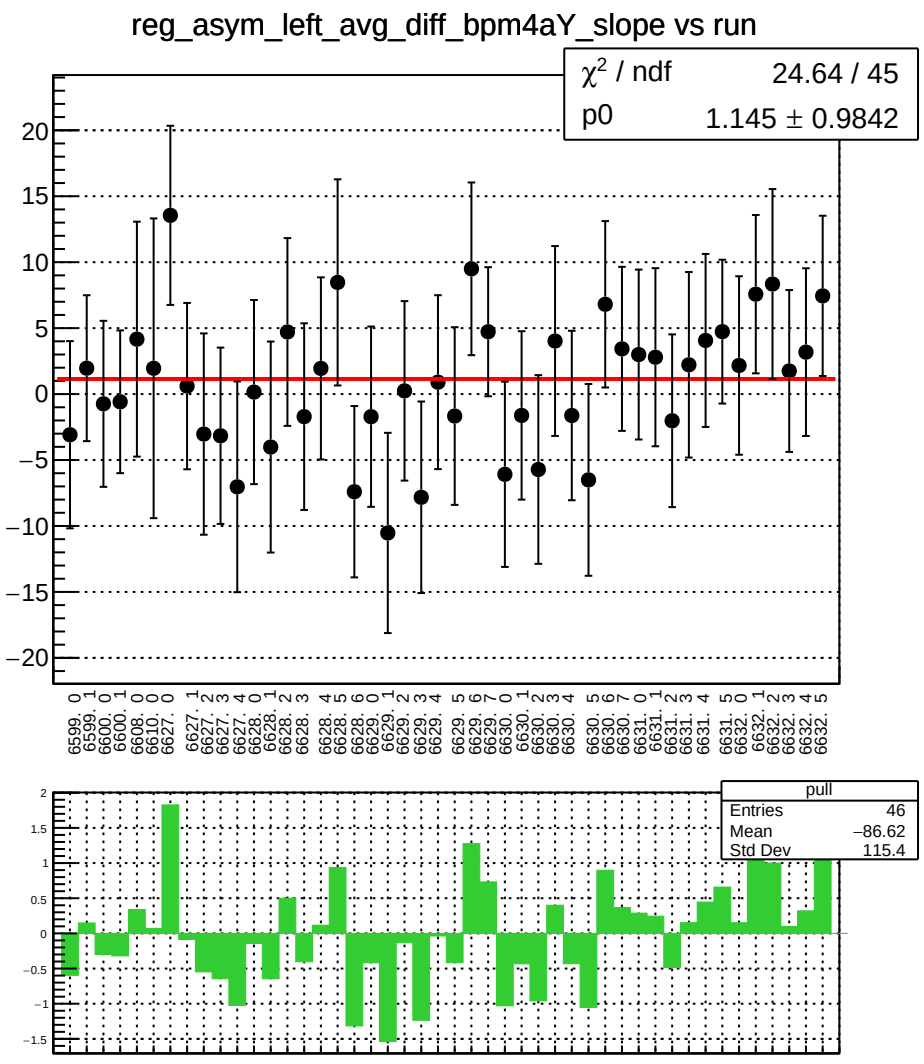

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.49 / 45
p0 −0.06836 ± 0.1011
pull
Entries 46
Mean 99.6
Std Dev 64.34

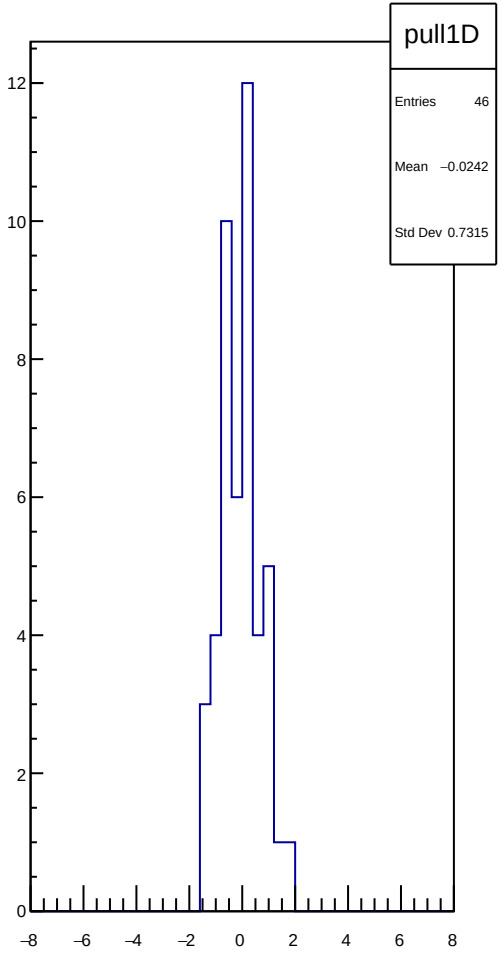

pull1D
Entries 46
Mean 0.01161
Std Dev 0.9944

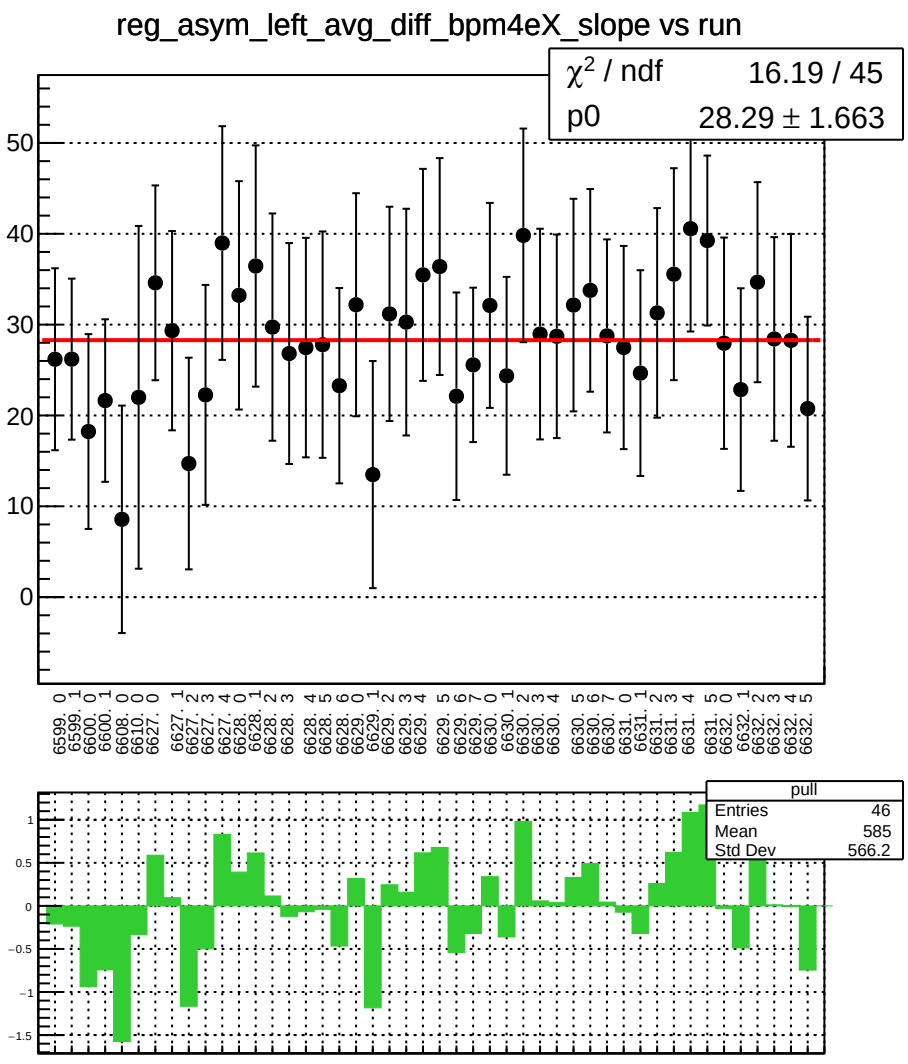

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 68.95 / 45
p0 −0.001725 ± 0.00565
pull
Entries 46
Mean 301.8
Std Dev 279.8
pull1D
Entries 46
Mean 0.002657
Std Dev 1.224

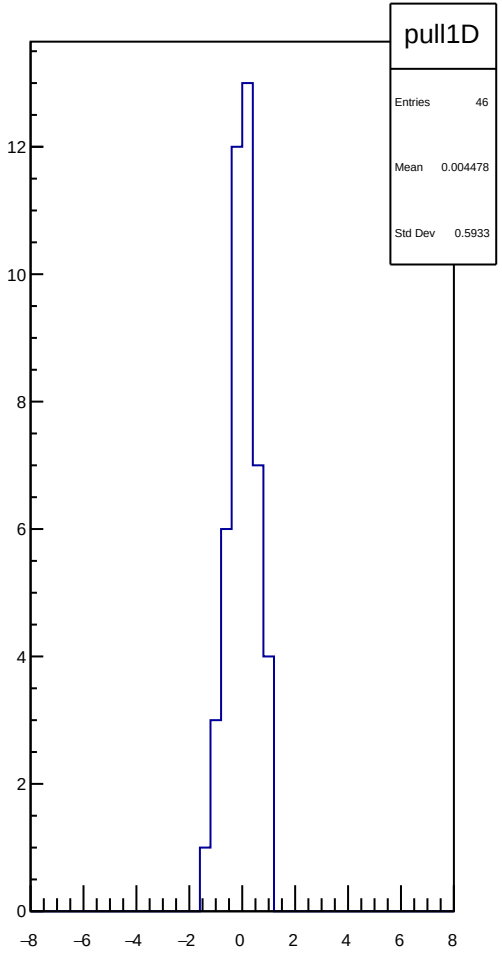

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 16.76 / 45
p0 −51.49 ± 1.554
pull
Entries 46
Mean 2.339e+05
Std Dev 2.339e+05

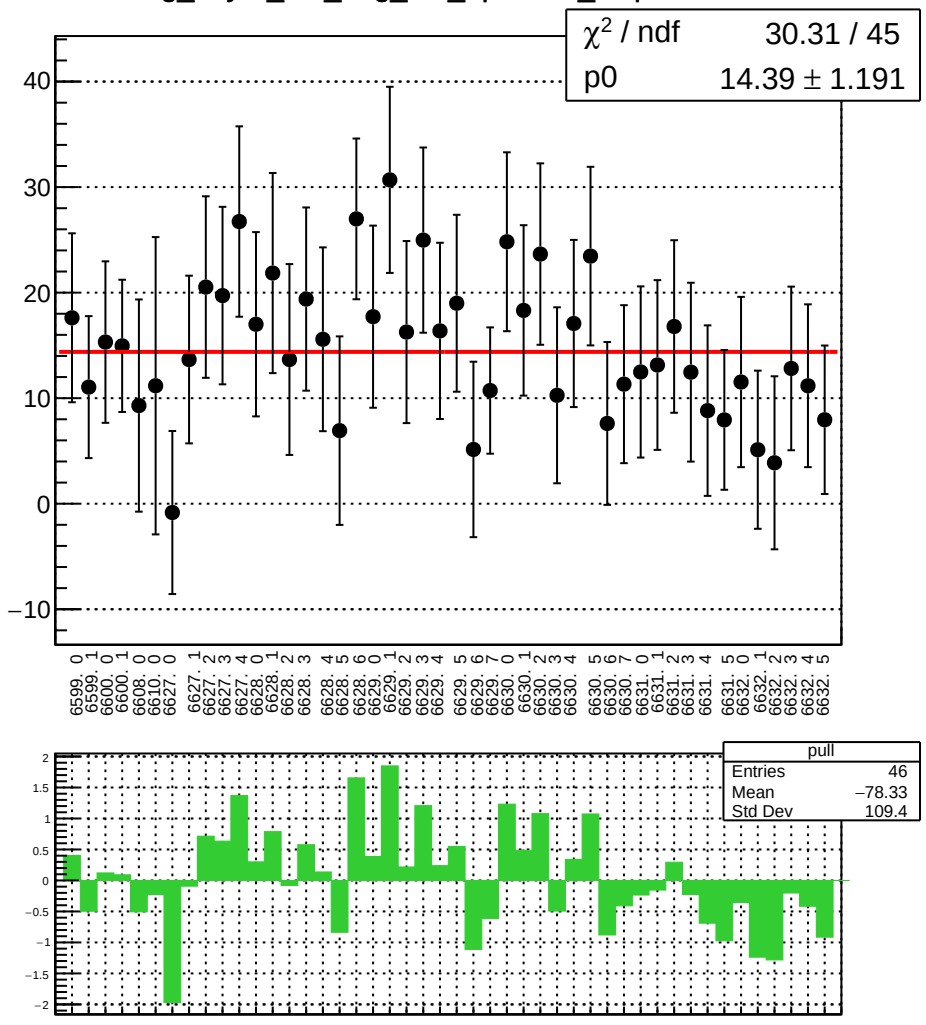

pull1D
Entries 46
Mean −1.132e−05
Std Dev 0.6036

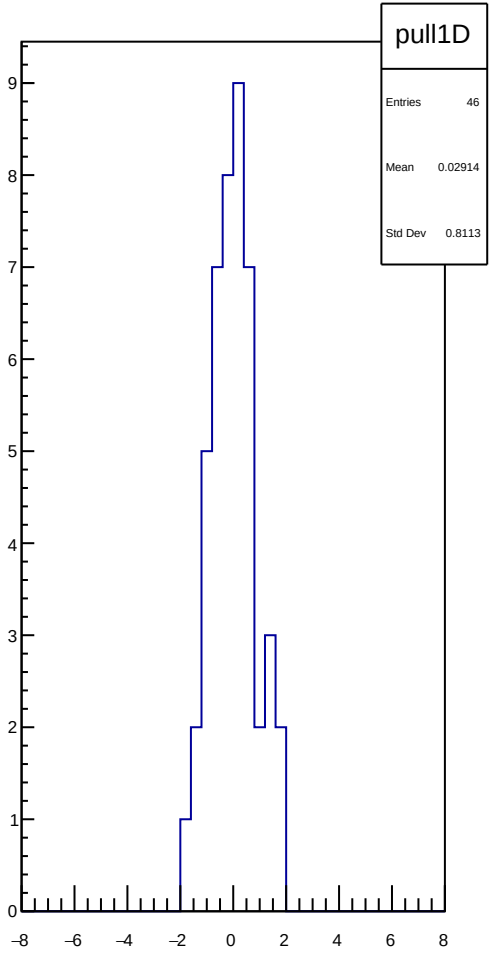

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.64 / 45
p0 1.145 ± 0.9842
pull
Entries 46
Mean −86.62
Std Dev 115.4

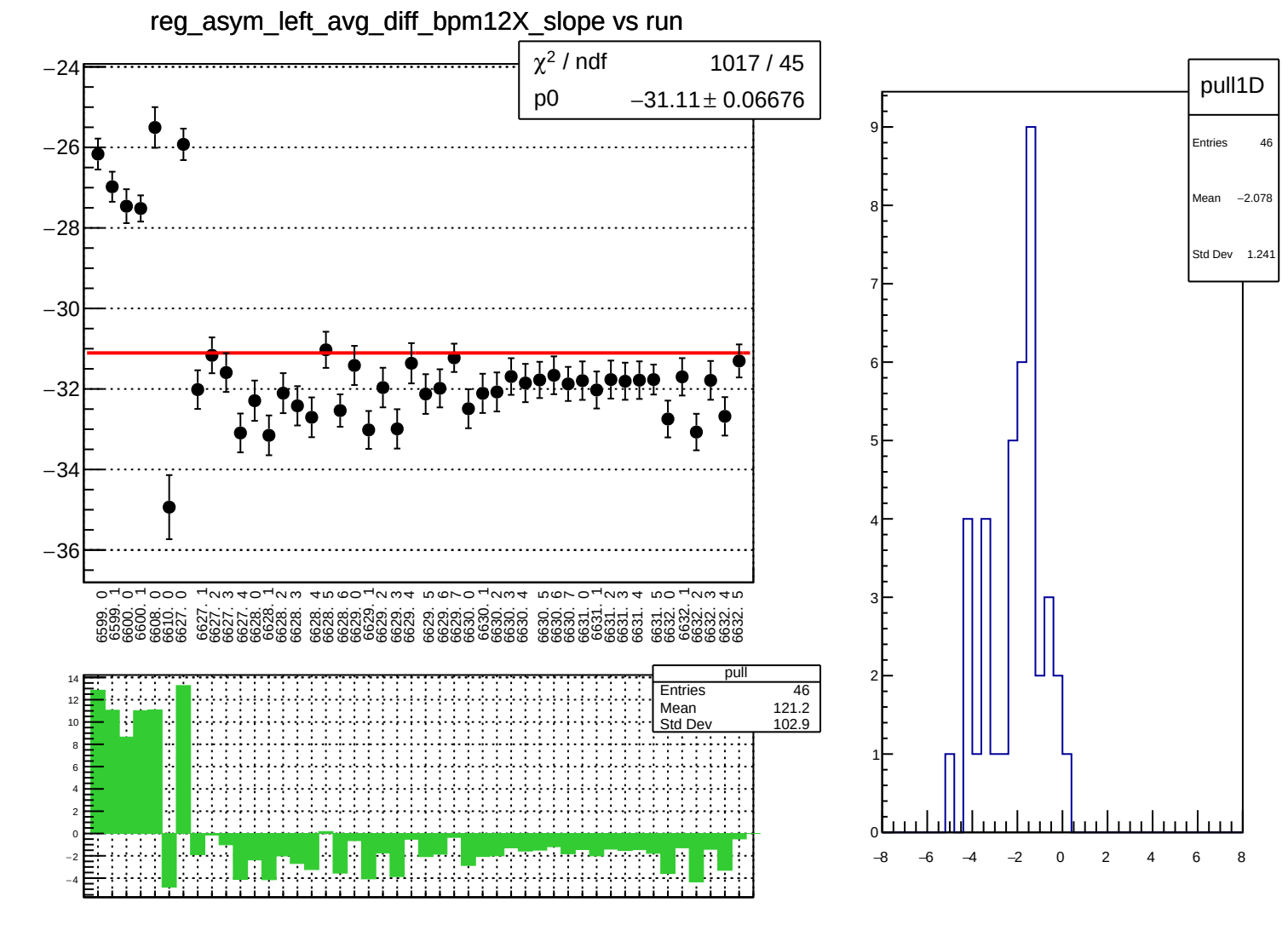

pull1D
Entries 46
Mean −0.0242
Std Dev 0.7315

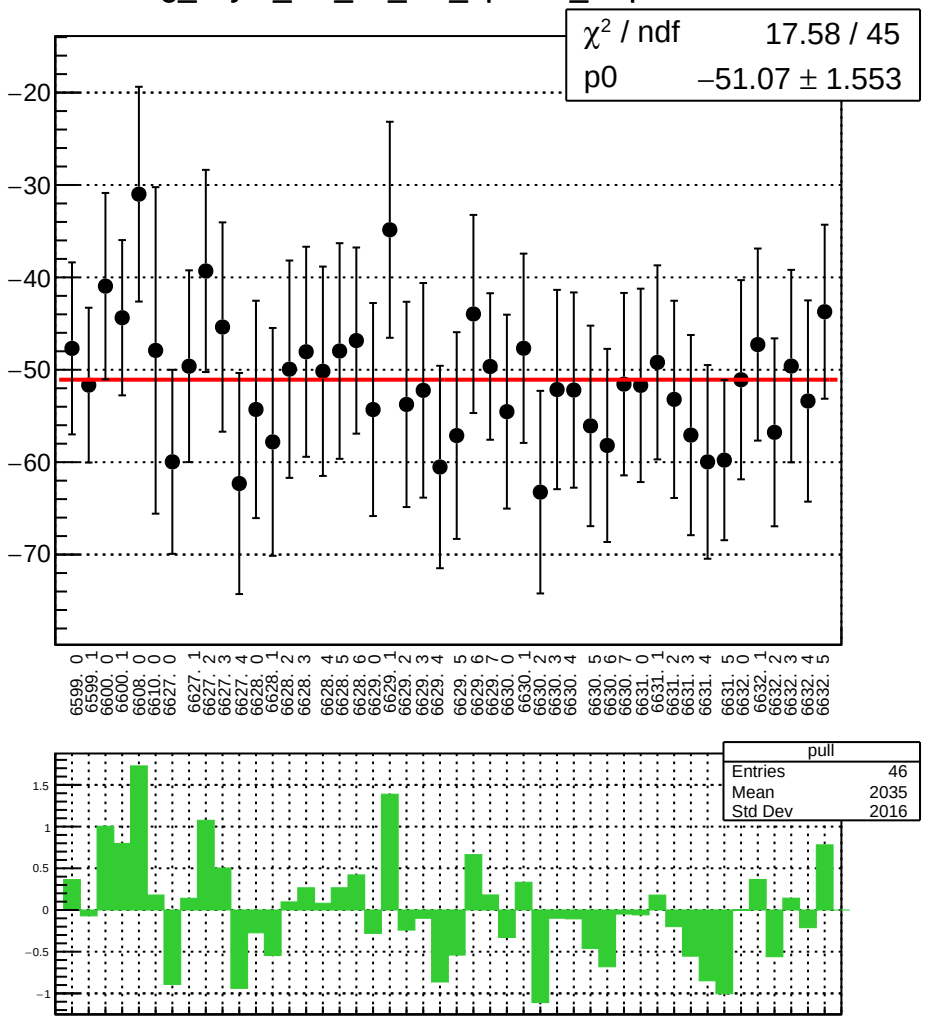

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.19 / 45
p0 28.29 ± 1.663
pull
Entries 46
Mean 585
Std Dev 566.2

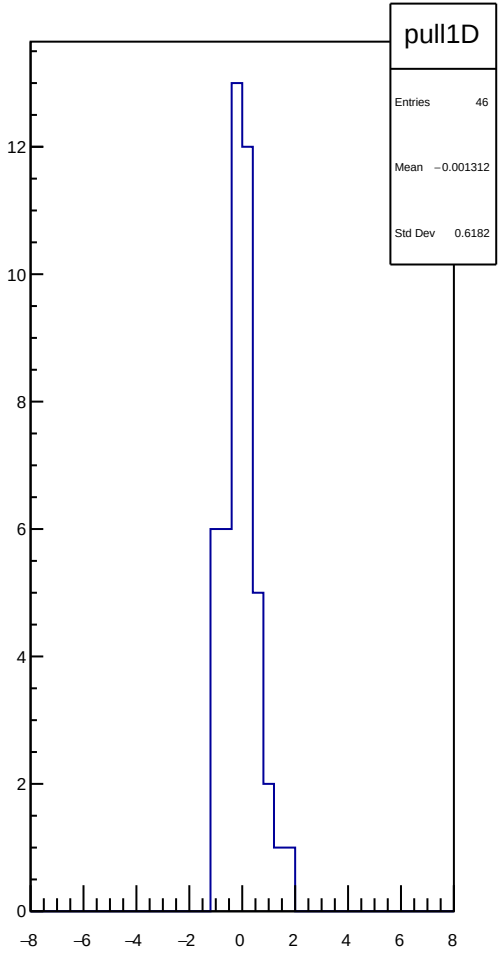

pull1D
Entries 46
Mean 0.004478
Std Dev 0.5933

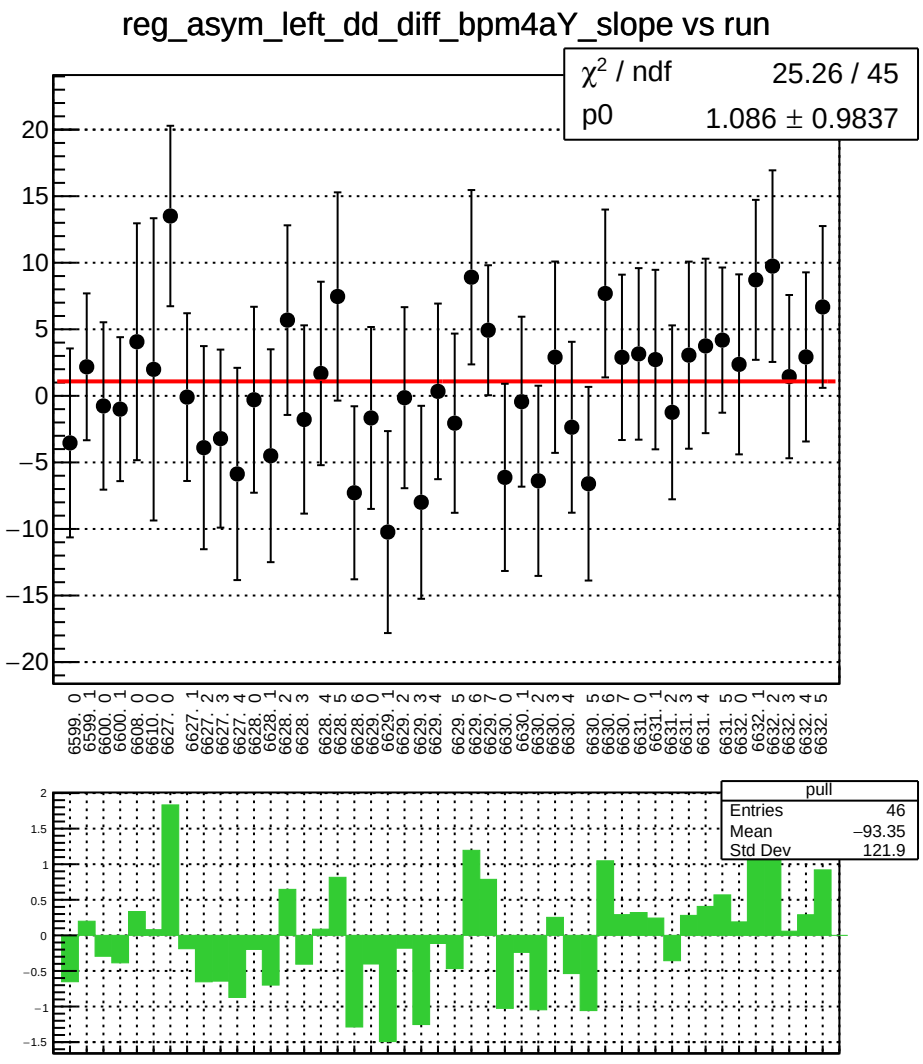

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.31 / 45
p0 14.39 ± 1.191
pull
Entries 46
Mean −78.33
Std Dev 109.4

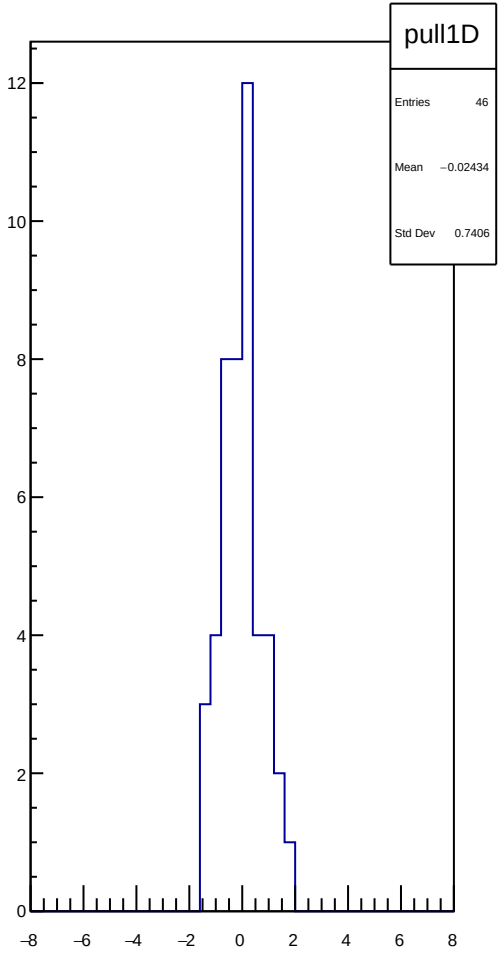

pull1D
Entries 46
Mean 0.02914
Std Dev 0.8113

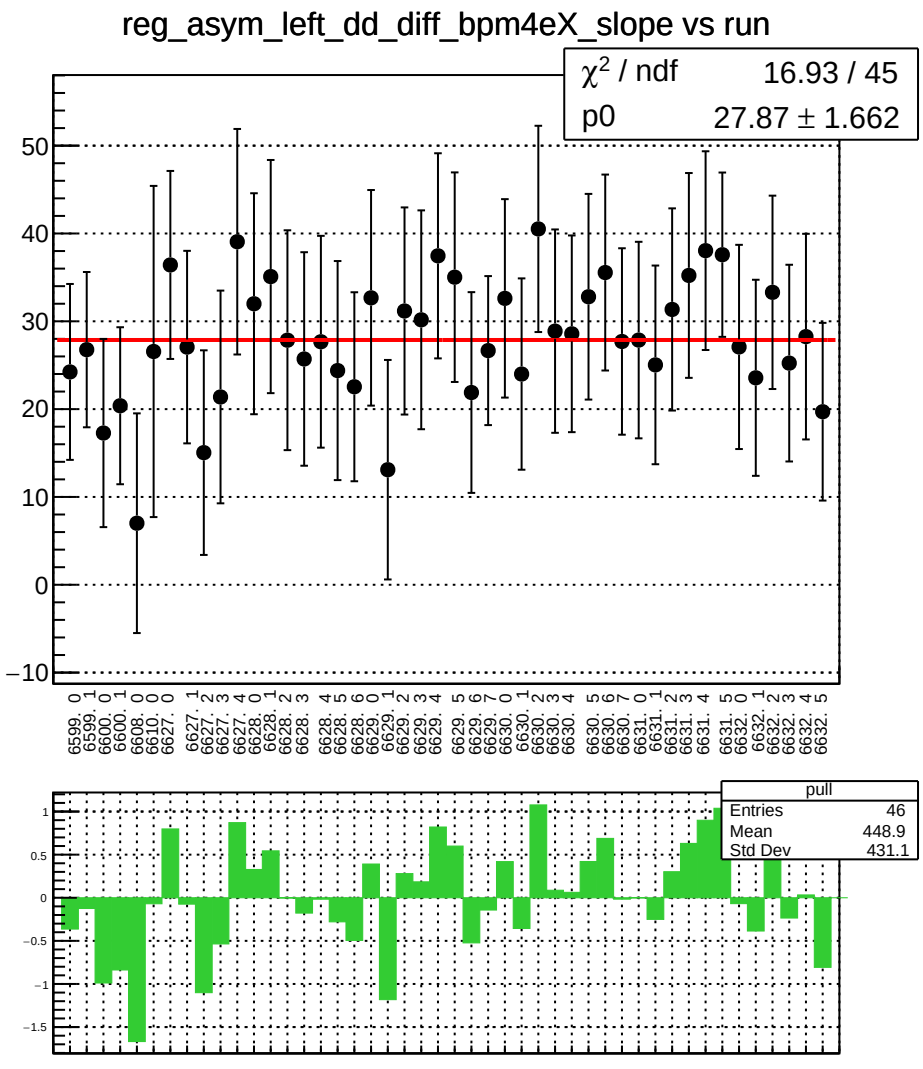

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 1017 / 45
p0 −31.11 ± 0.06676
pull
Entries 46
Mean 121.2
Std Dev 102.9
pull1D
Entries 46
Mean −2.078
Std Dev 1.241

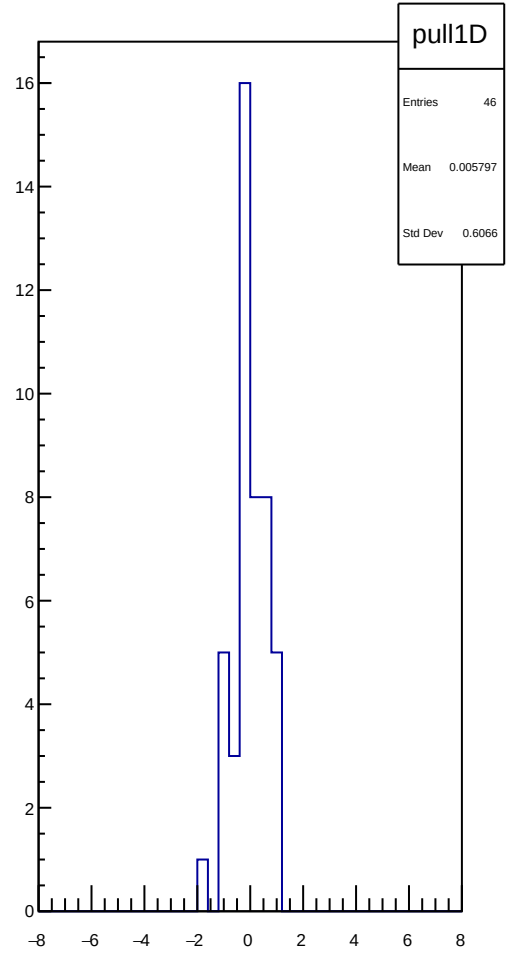

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 17.58 / 45
p0 −51.07 ± 1.553
pull
Entries 46
Mean 2035
Std Dev 2016

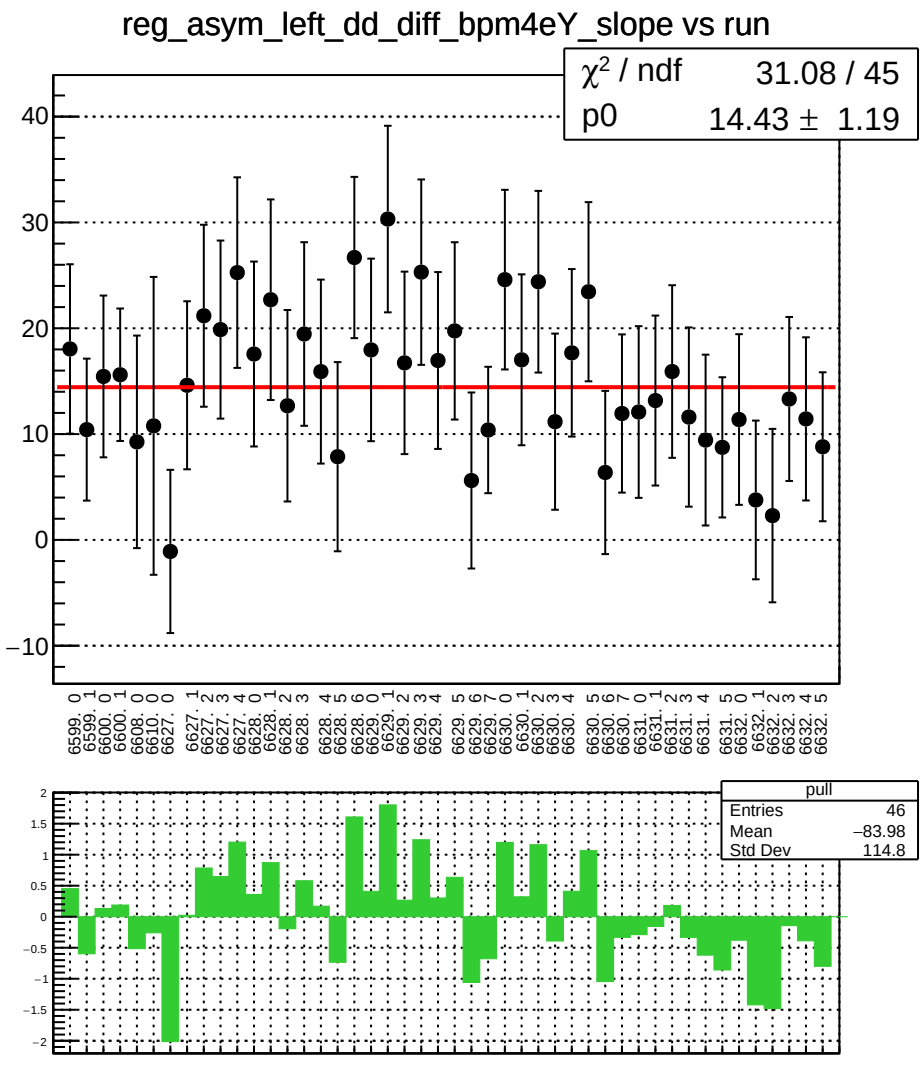

pull1D
Entries 46
Mean −0.001312
Std Dev 0.6182

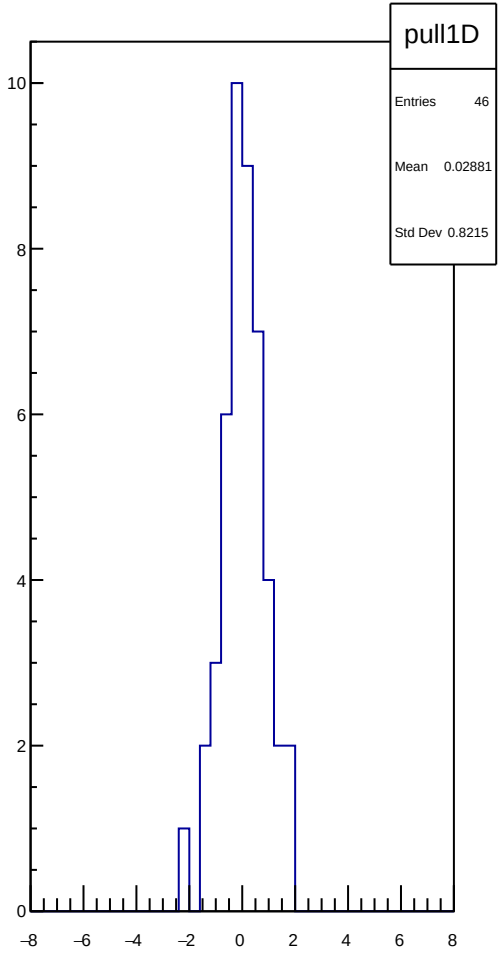

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.26 / 45
p0 1.086 ± 0.9837
pull
Entries 46
Mean −93.35
Std Dev 121.9

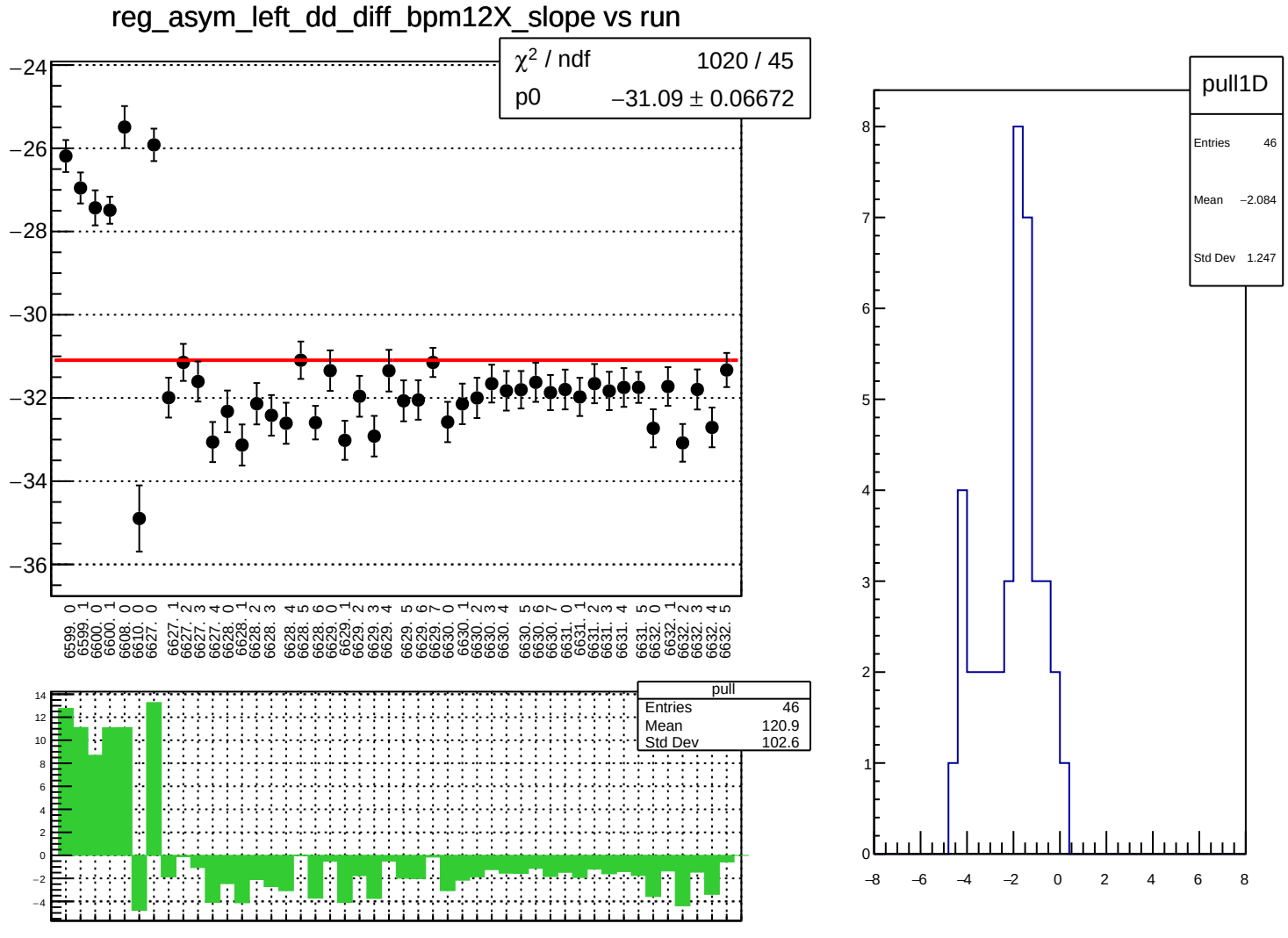

pull1D
Entries 46
Mean −0.02434
Std Dev 0.7406

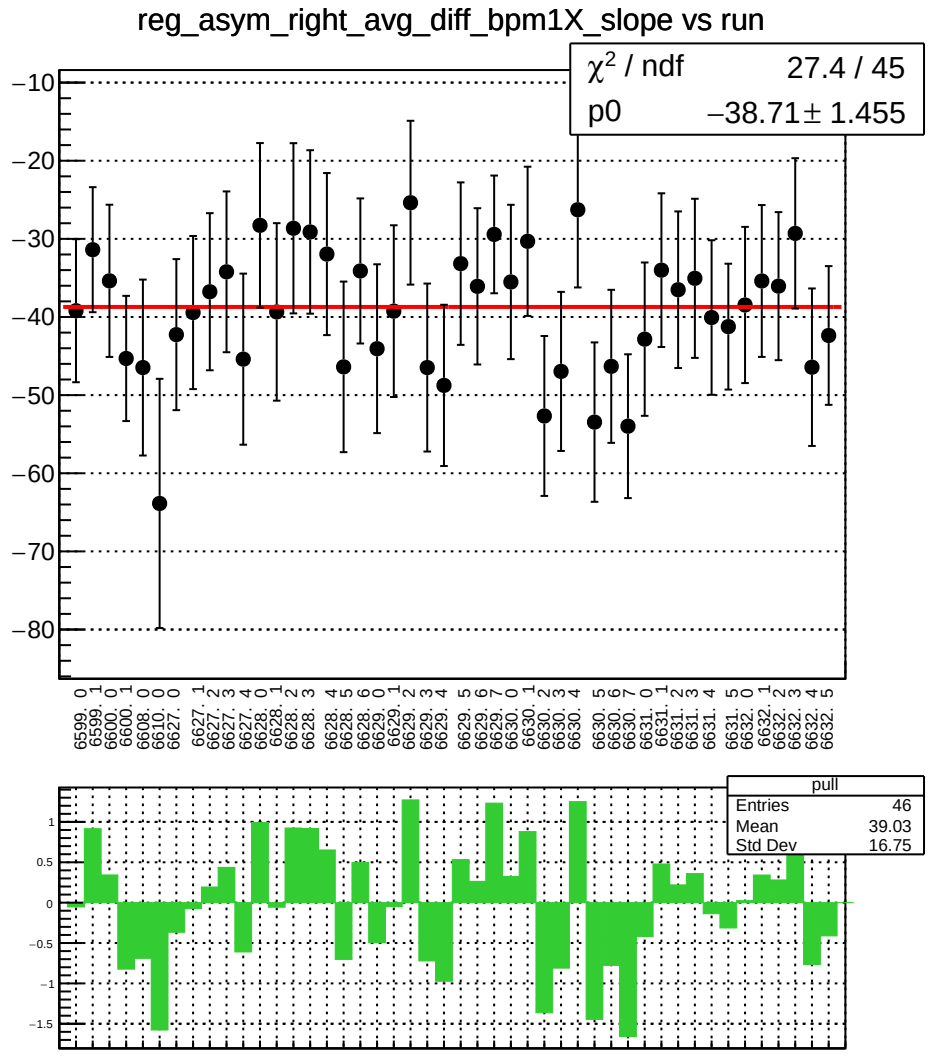

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.93 / 45
p0 27.87 ± 1.662
pull
Entries 46
Mean 448.9
Std Dev 431.1

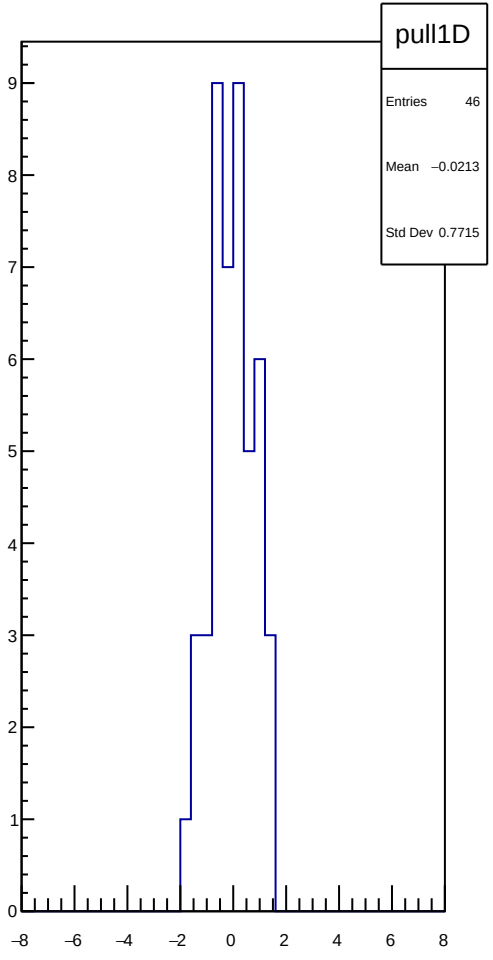

pull1D
Entries 46
Mean 0.005797
Std Dev 0.6066

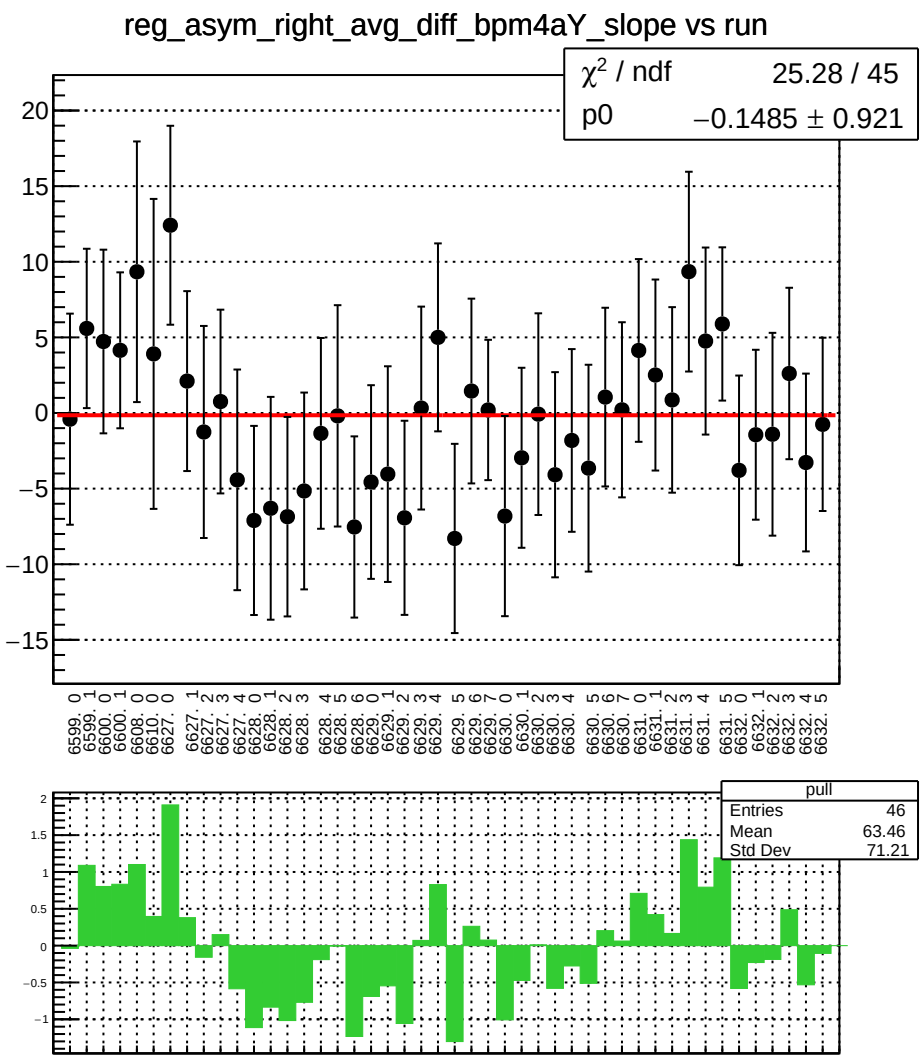

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.08 / 45
p0 14.43 ± 1.19
40
30
20
10
0
−10
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −83.98
Std Dev 114.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

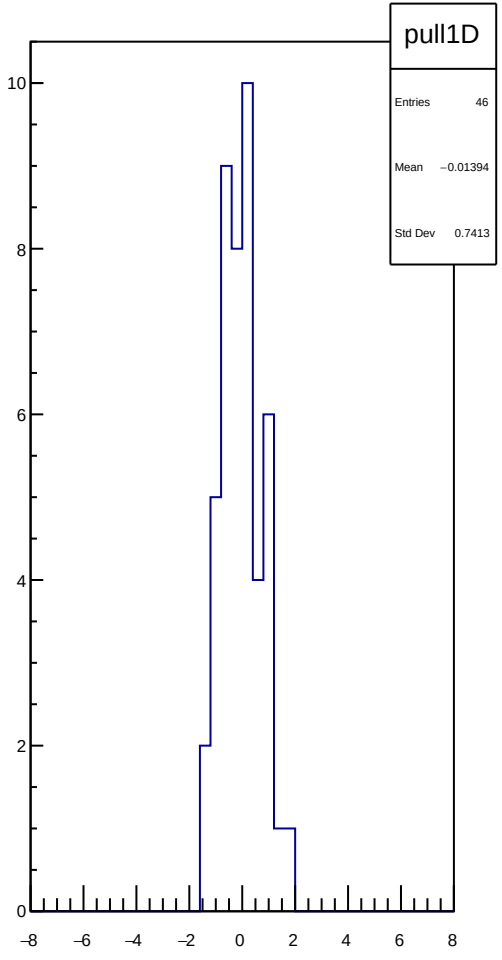

pull1D
Entries 46
Mean 0.02881
Std Dev 0.8215
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

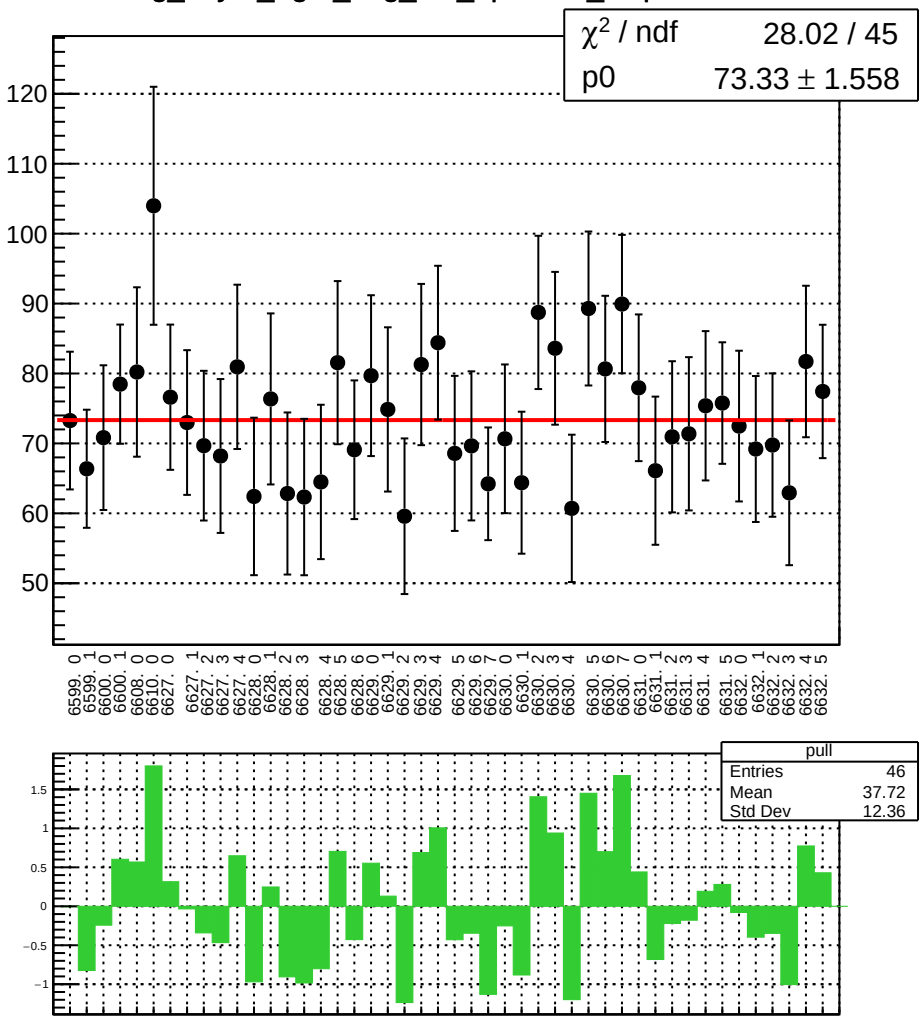

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 1020 / 45
p0 −31.09 ± 0.06672
pull
Entries 46
Mean 120.9
Std Dev 102.6
pull1D
Entries 46
Mean −2.084
Std Dev 1.247

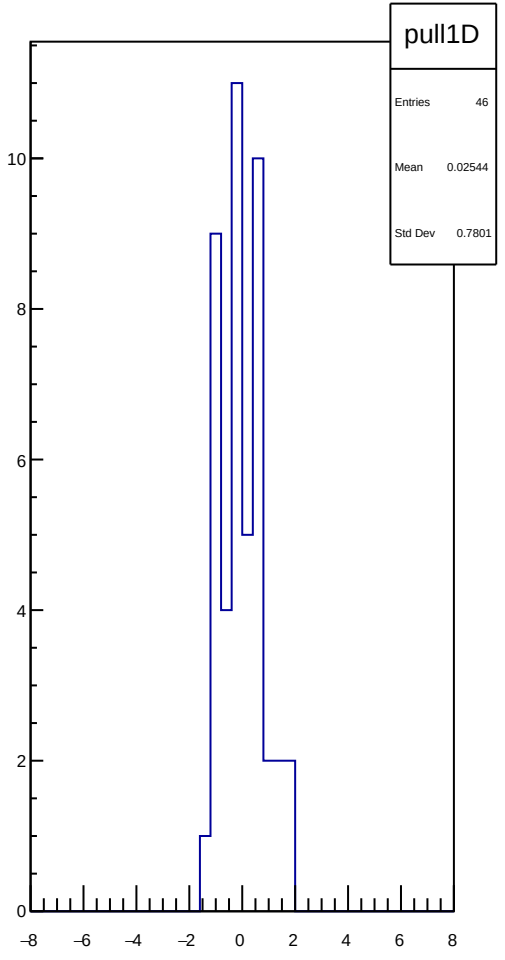

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 27.4 / 45
p0 −38.71± 1.455
pull
Entries 46
Mean 39.03
Std Dev 16.75

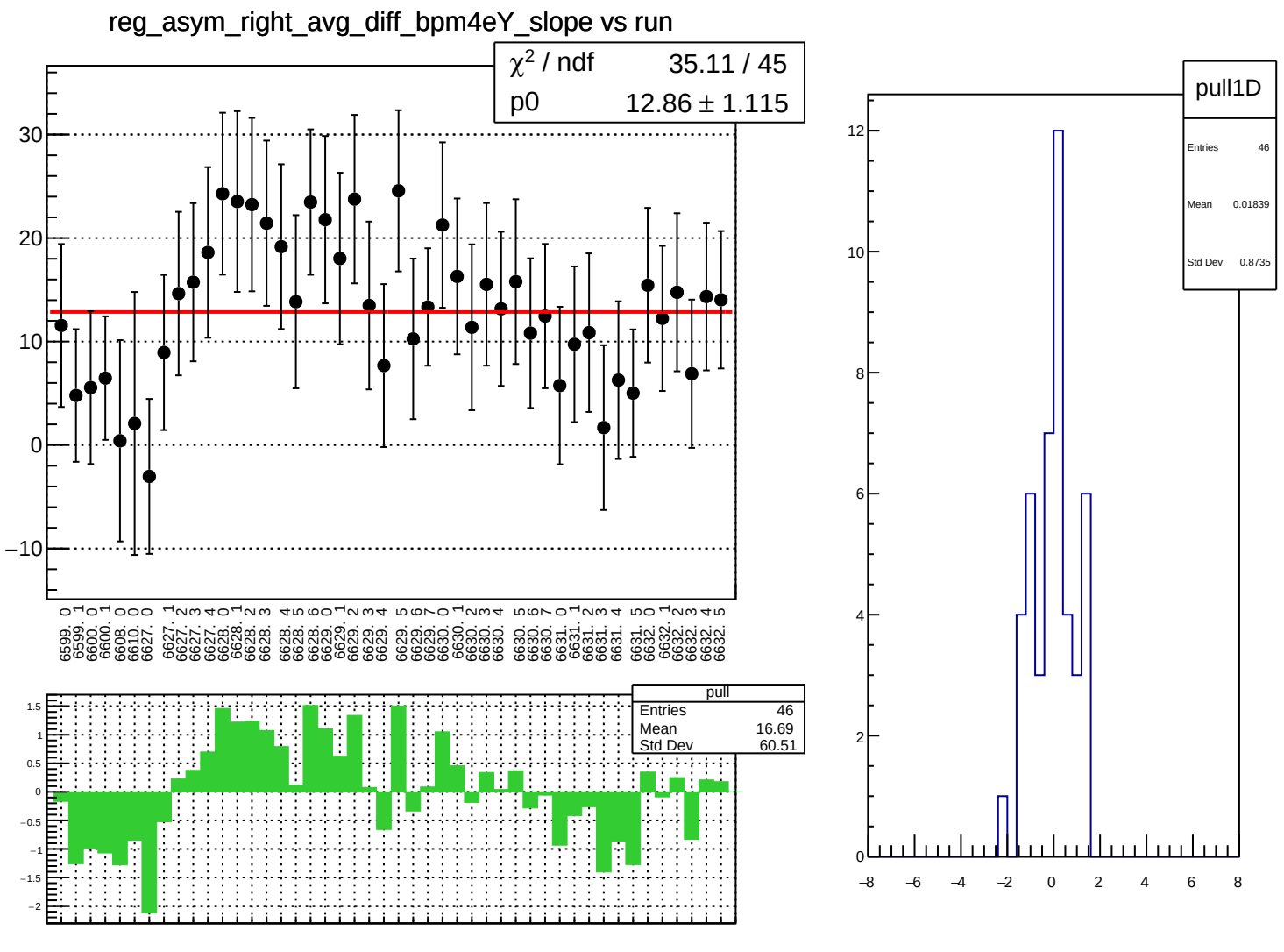

pull1D
Entries 46
Mean −0.0213
Std Dev 0.7715

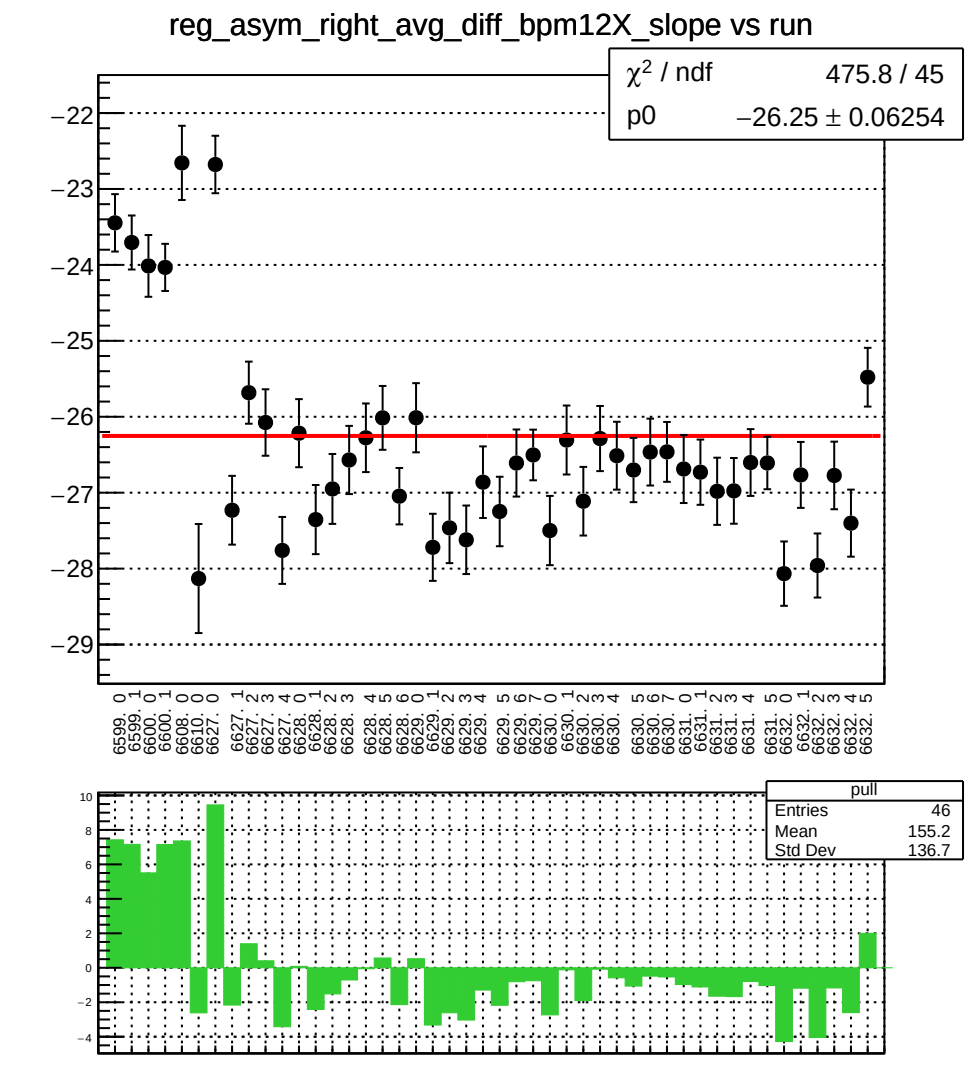

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.28 / 45
p0 −0.1485 ± 0.921
pull
Entries 46
Mean 63.46
Std Dev 71.21

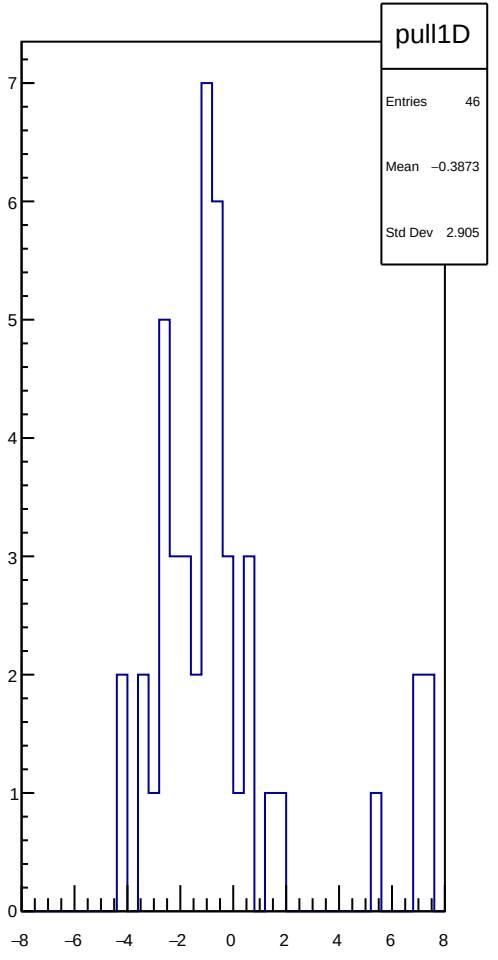

pull1D
Entries 46
Mean −0.01394
Std Dev 0.7413

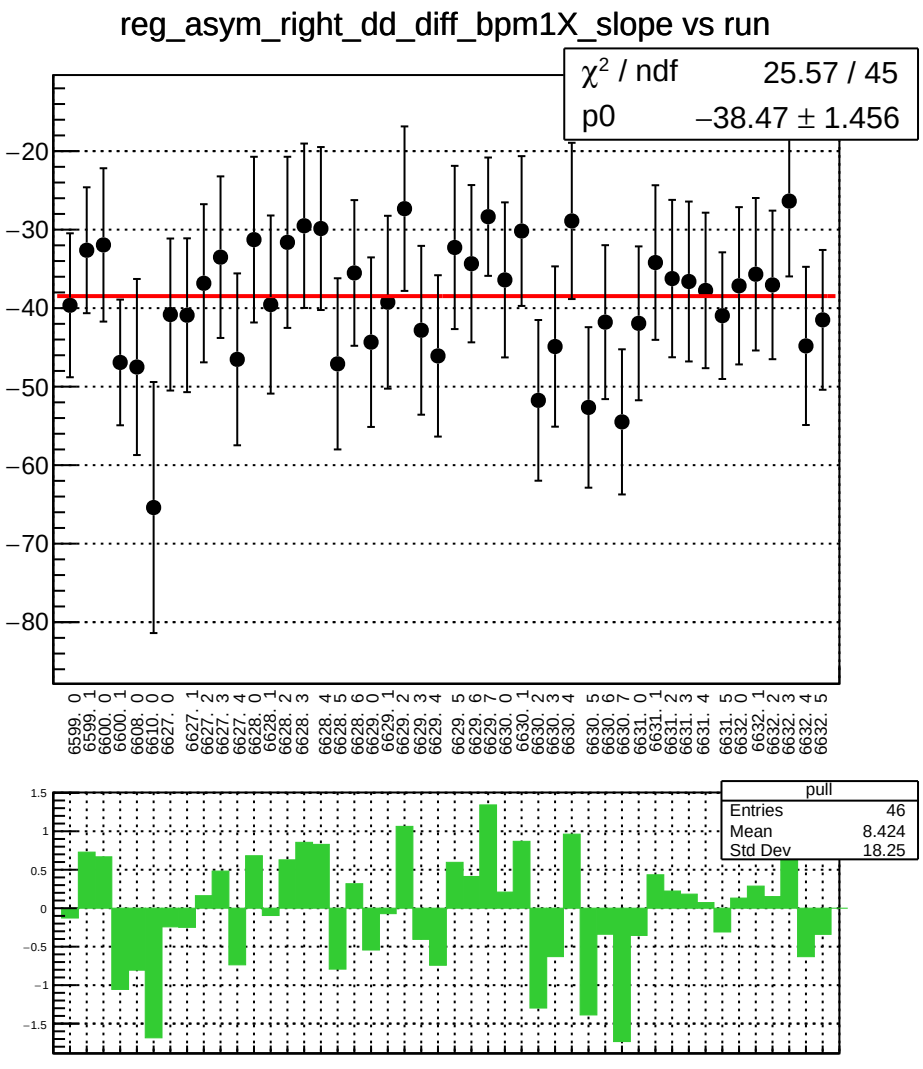

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.02 / 45
p0 73.33 ± 1.558
pull
Entries 46
Mean 37.72
Std Dev 12.36

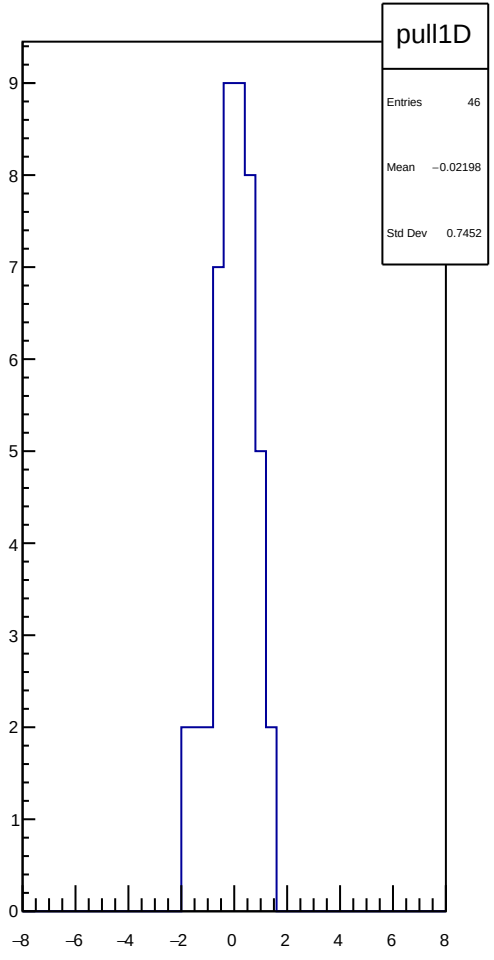

pull1D
Entries 46
Mean 0.02544
Std Dev 0.7801

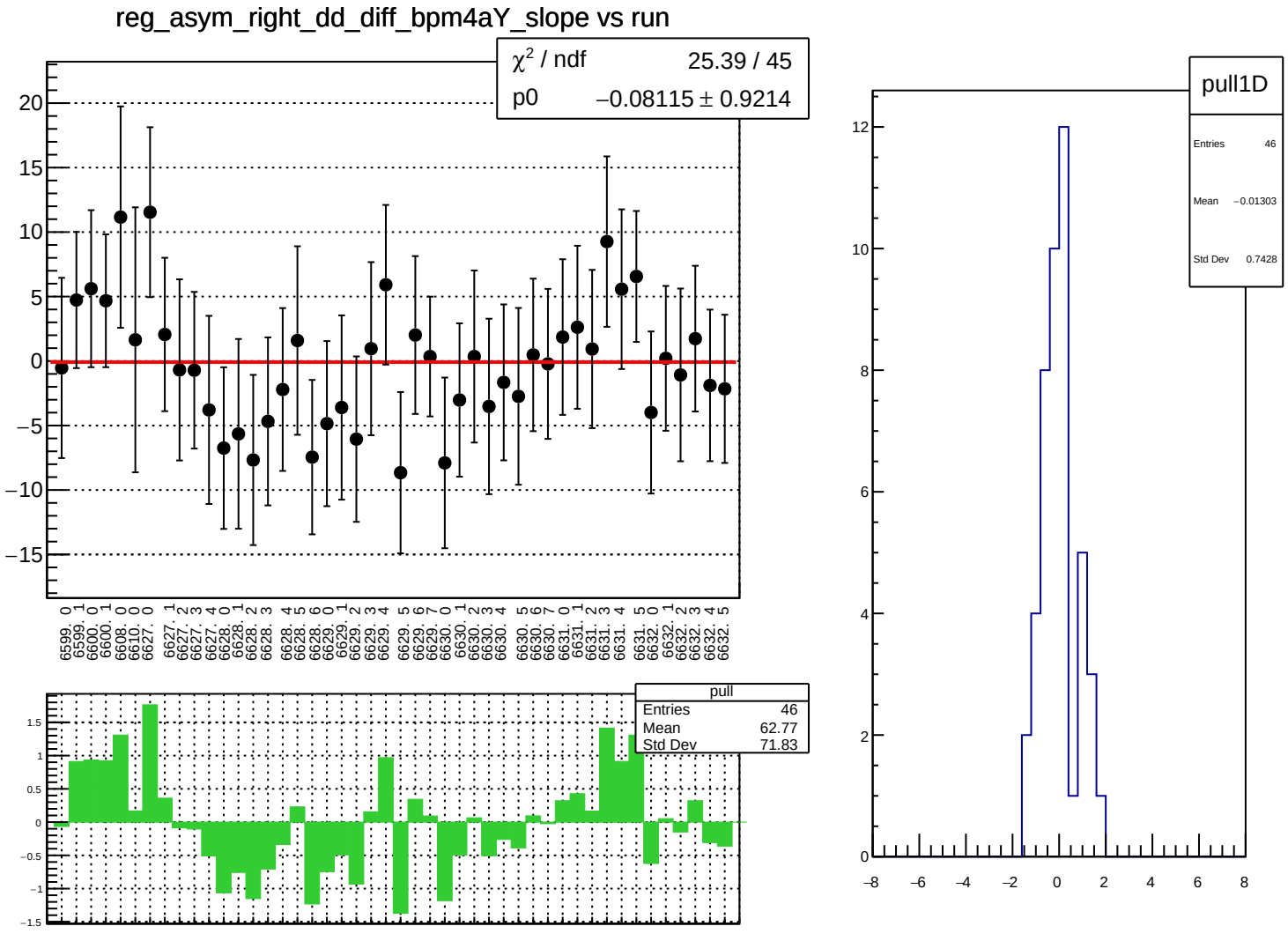

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.11 / 45
p0 12.86 ± 1.115
pull
Entries 46
Mean 16.69
Std Dev 60.51
pull1D
Entries 46
Mean 0.01839
Std Dev 0.8735

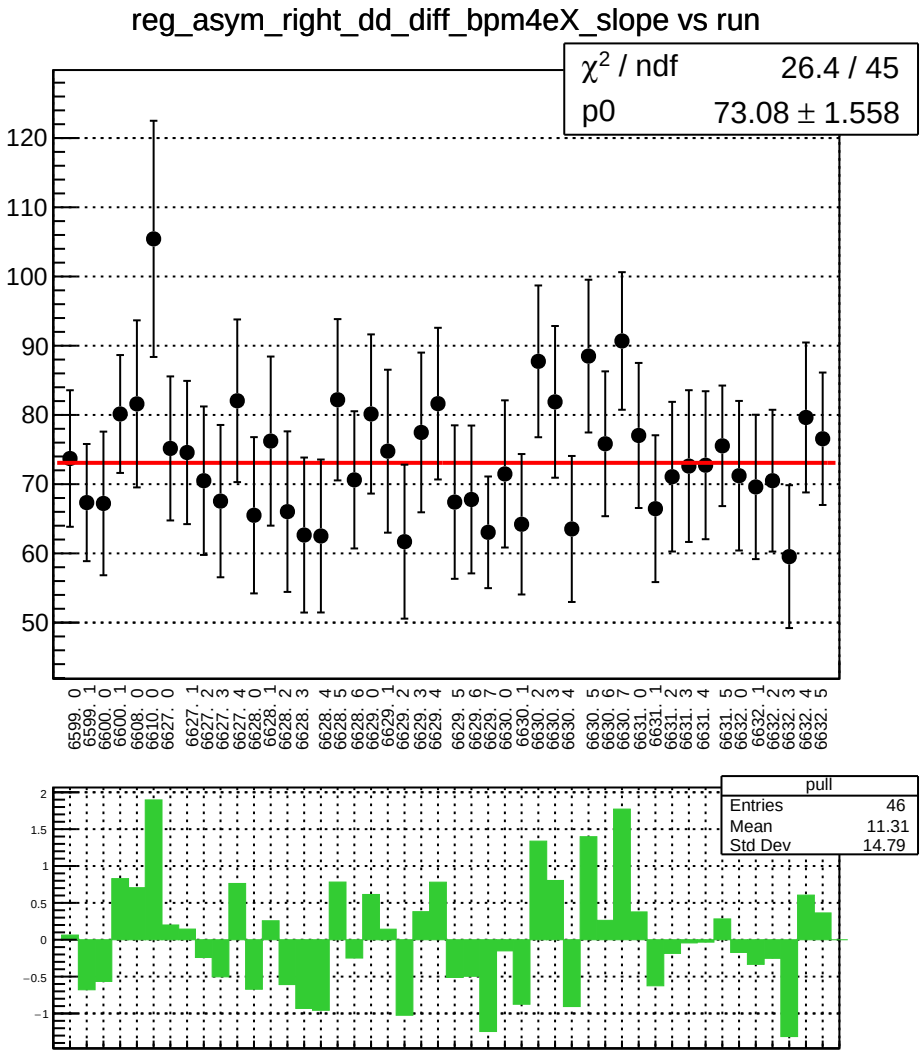

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 475.8 / 45
p0 −26.25 ± 0.06254
pull
Entries 46
Mean 155.2
Std Dev 136.7

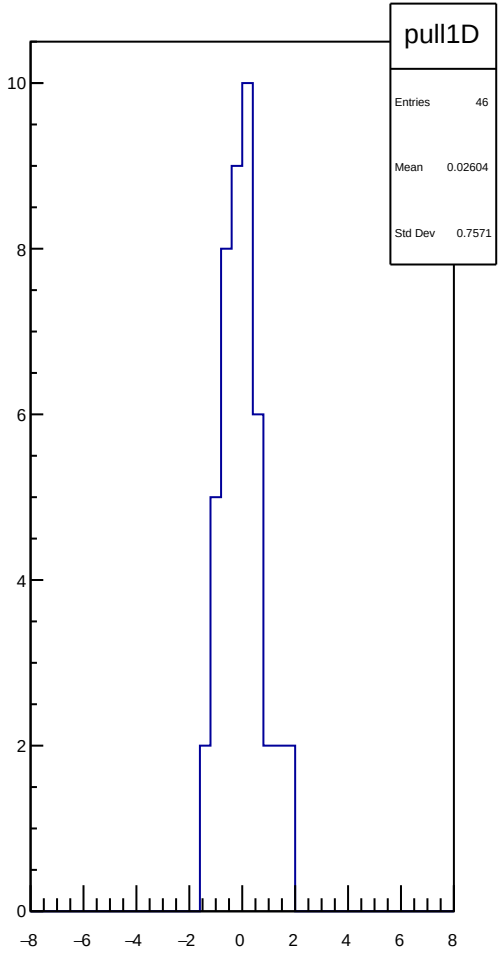

pull1D
Entries 46
Mean −0.3873
Std Dev 2.905

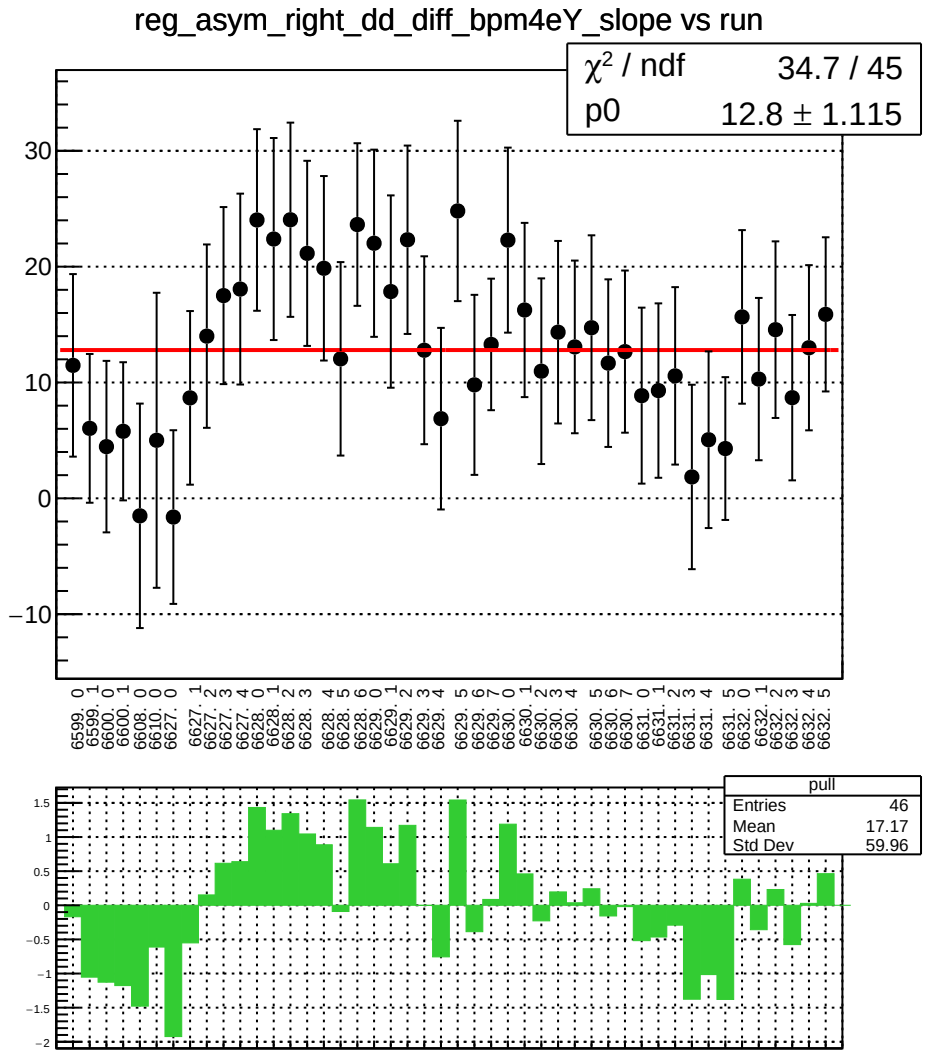

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 25.57 / 45
p0 −38.47 ± 1.456
pull
Entries 46
Mean 8.424
Std Dev 18.25

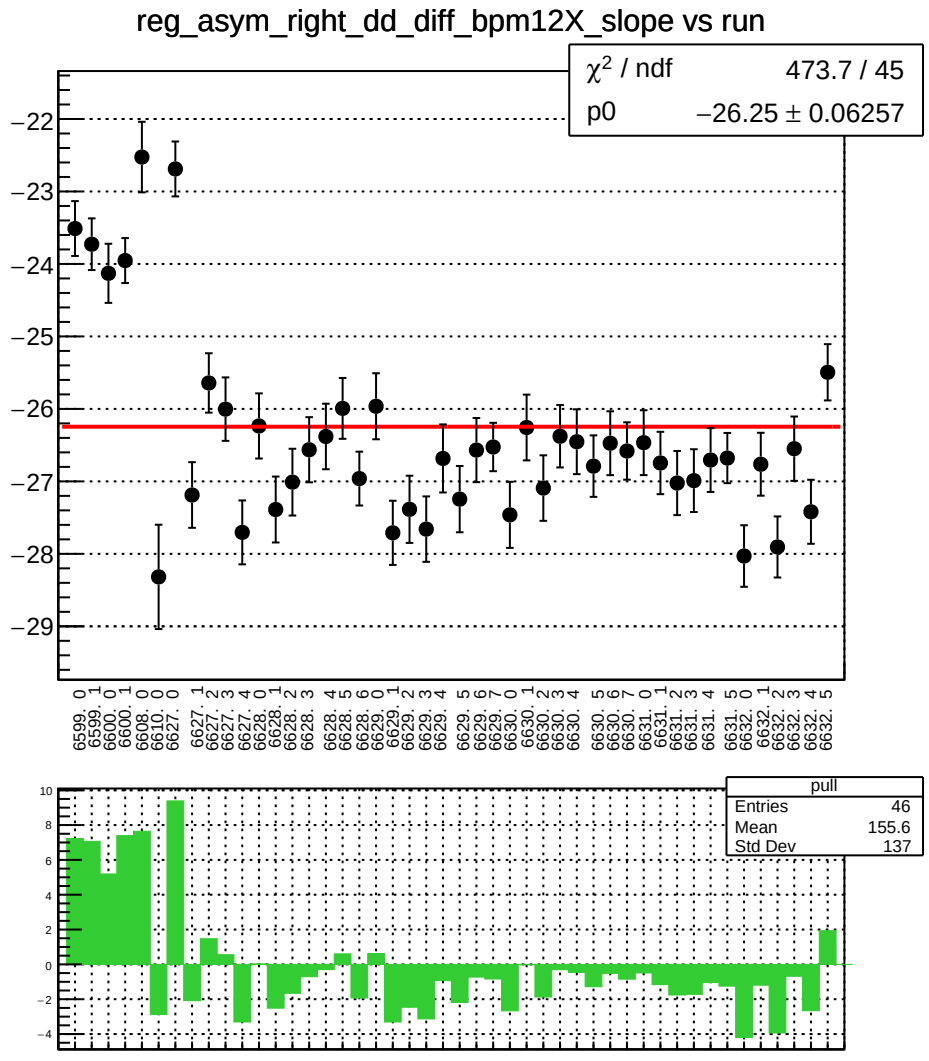

pull1D
Entries 46
Mean −0.02198
Std Dev 0.7452

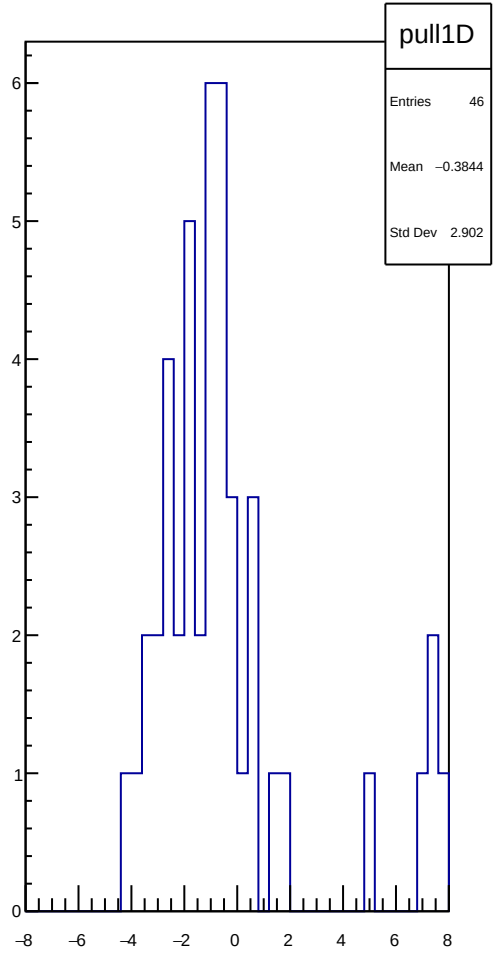

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.39 / 45
p0 −0.08115 ± 0.9214
pull
Entries 46
Mean 62.77
Std Dev 71.83
pull1D
Entries 46
Mean −0.01303
Std Dev 0.7428

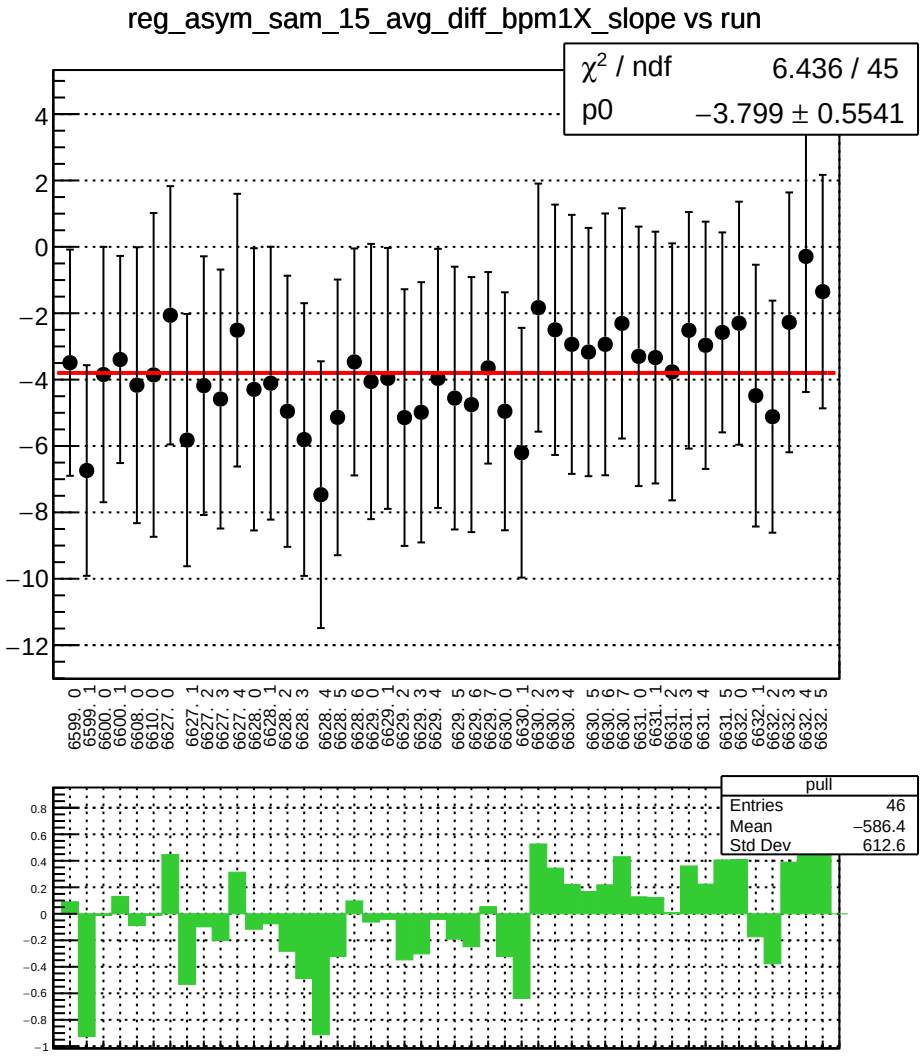

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.4 / 45
p0 73.08 ± 1.558
pull
Entries 46
Mean 11.31
Std Dev 14.79

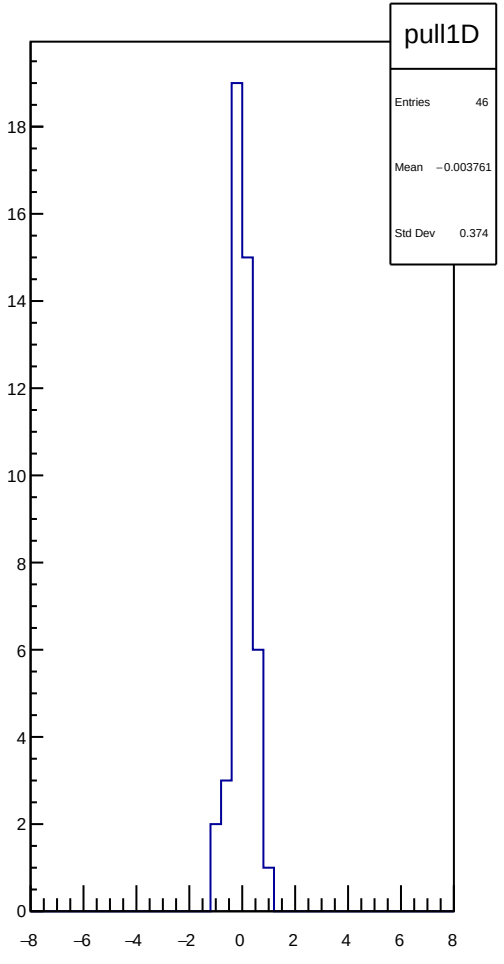

pull1D
Entries 46
Mean 0.02604
Std Dev 0.7571

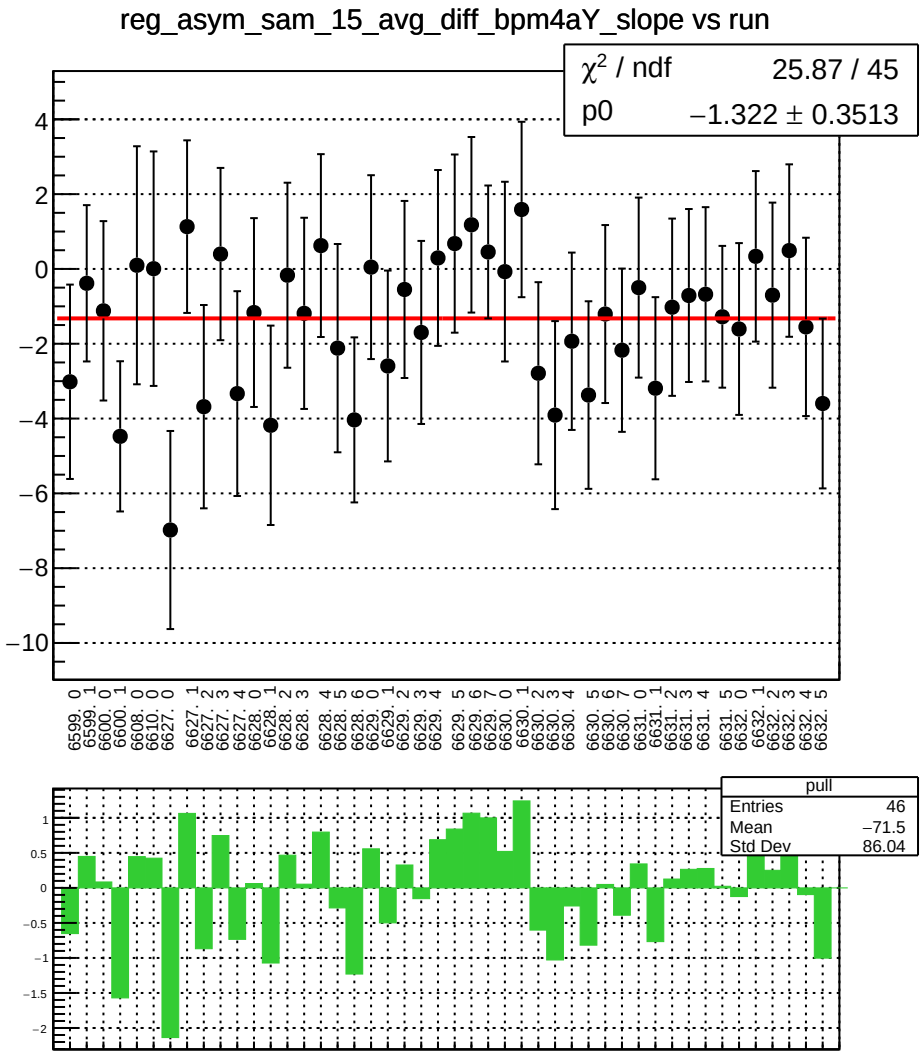

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.7 / 45
p0 12.8 ± 1.115
30
20
10
0
−10
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 17.17
Std Dev 59.96
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.01798
Std Dev 0.8684
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

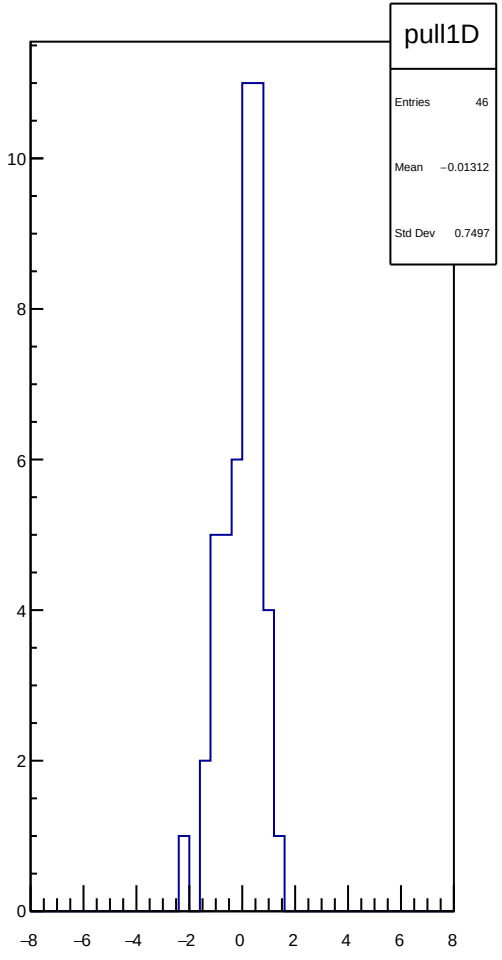

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 473.7 / 45
p0 −26.25 ± 0.06257
pull
Entries 46
Mean 155.6
Std Dev 137

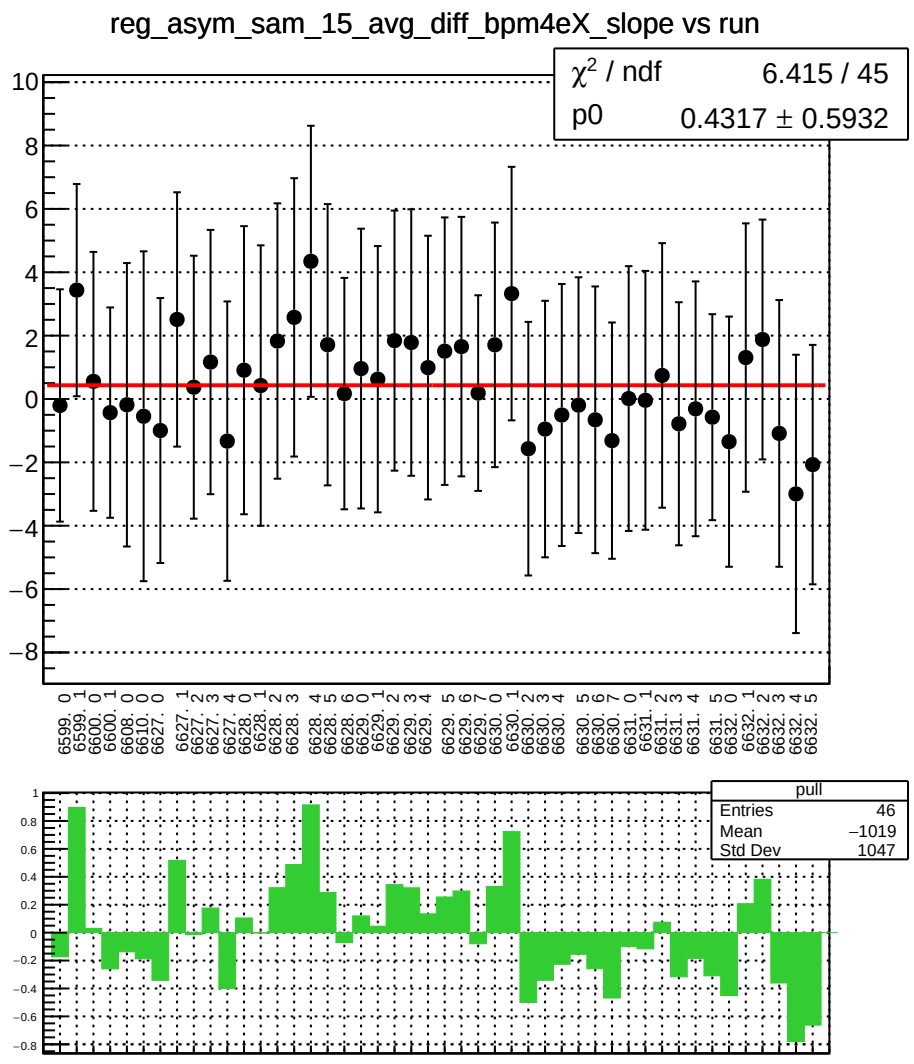

pull1D
Entries 46
Mean −0.3844
Std Dev 2.902

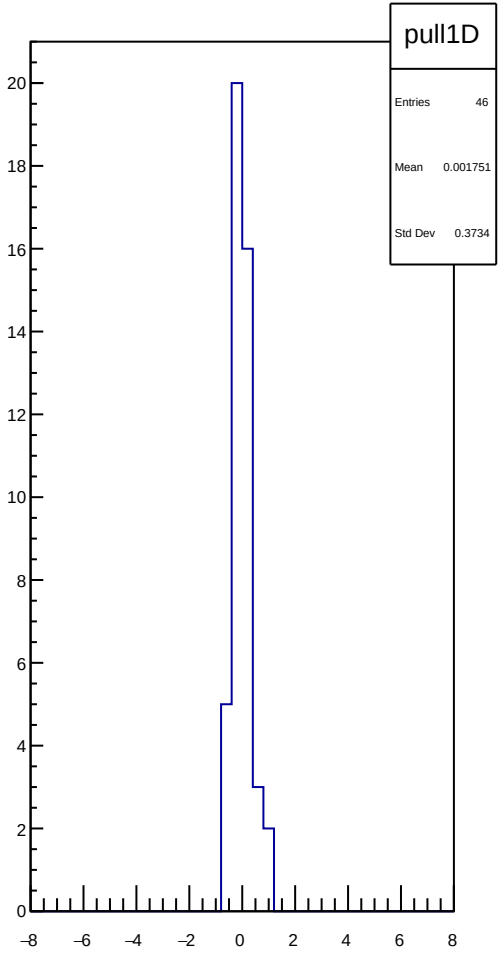

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 6.436 / 45
p0 −3.799 ± 0.5541
pull
Entries 46
Mean −586.4
Std Dev 612.6

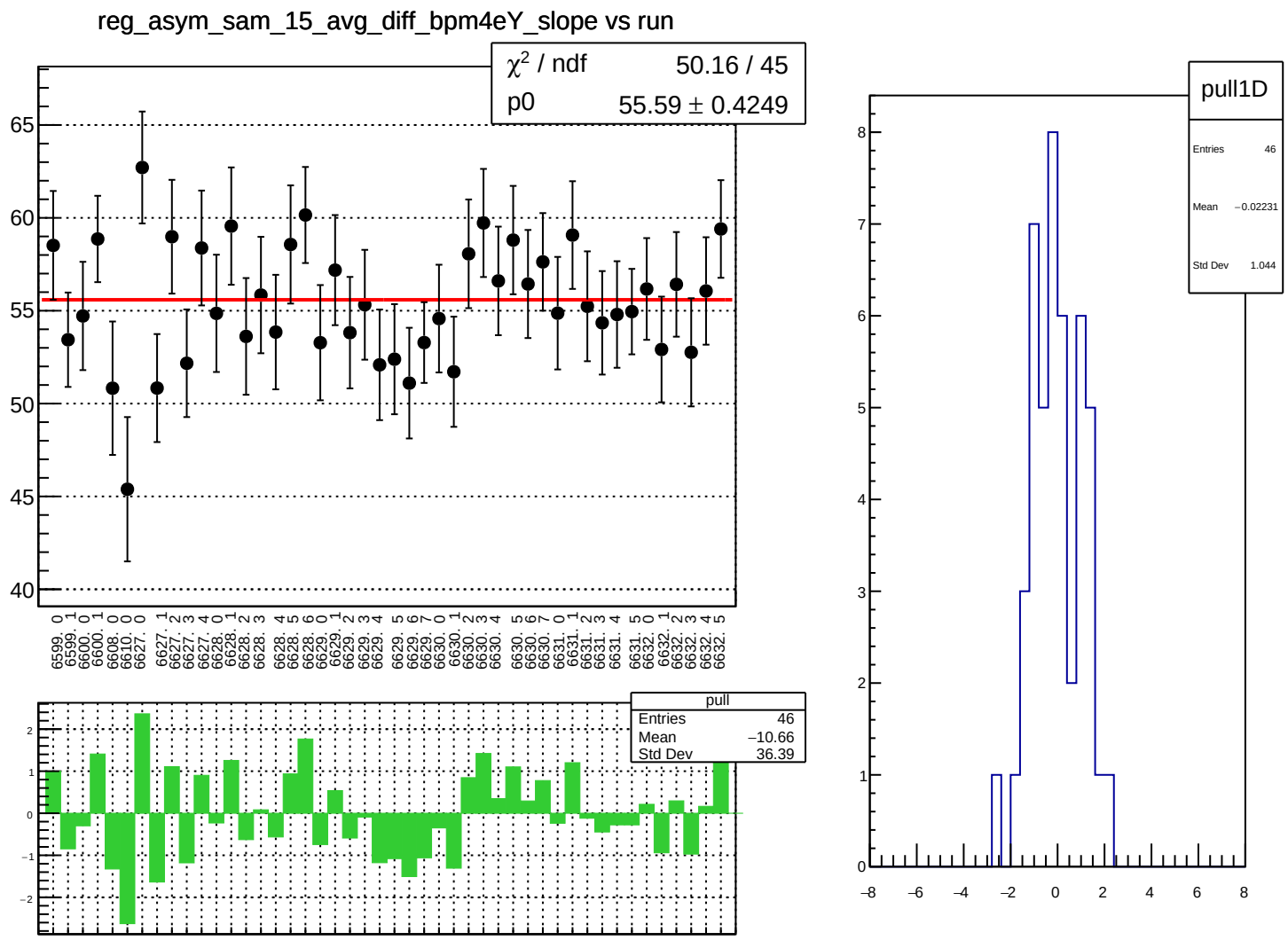

pull1D
Entries 46
Mean −0.003761
Std Dev 0.374

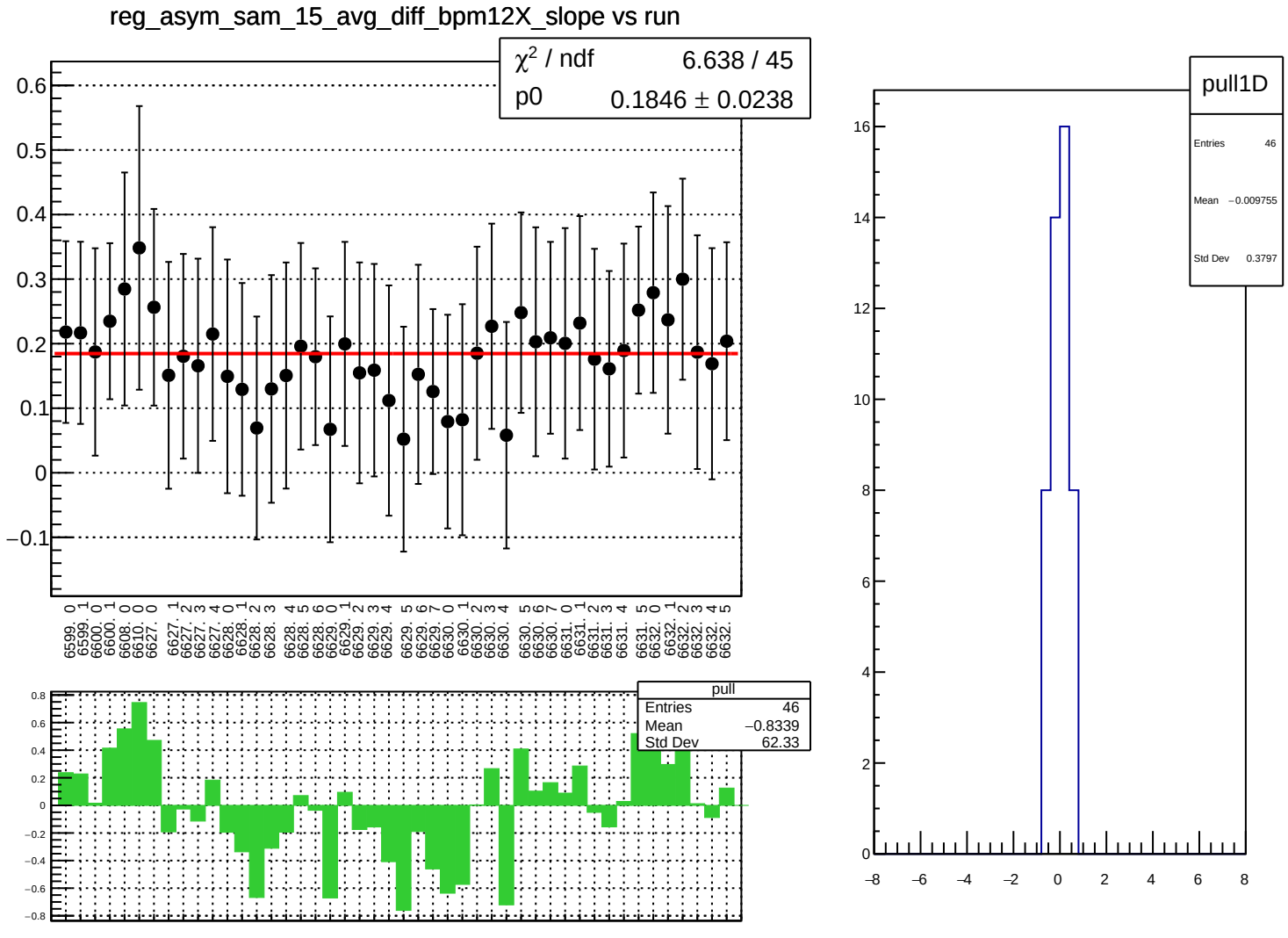

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.87 / 45
p0 −1.322 ± 0.3513
pull
Entries 46
Mean −71.5
Std Dev 86.04


pull1D
Entries 46
Mean −0.01312
Std Dev 0.7497

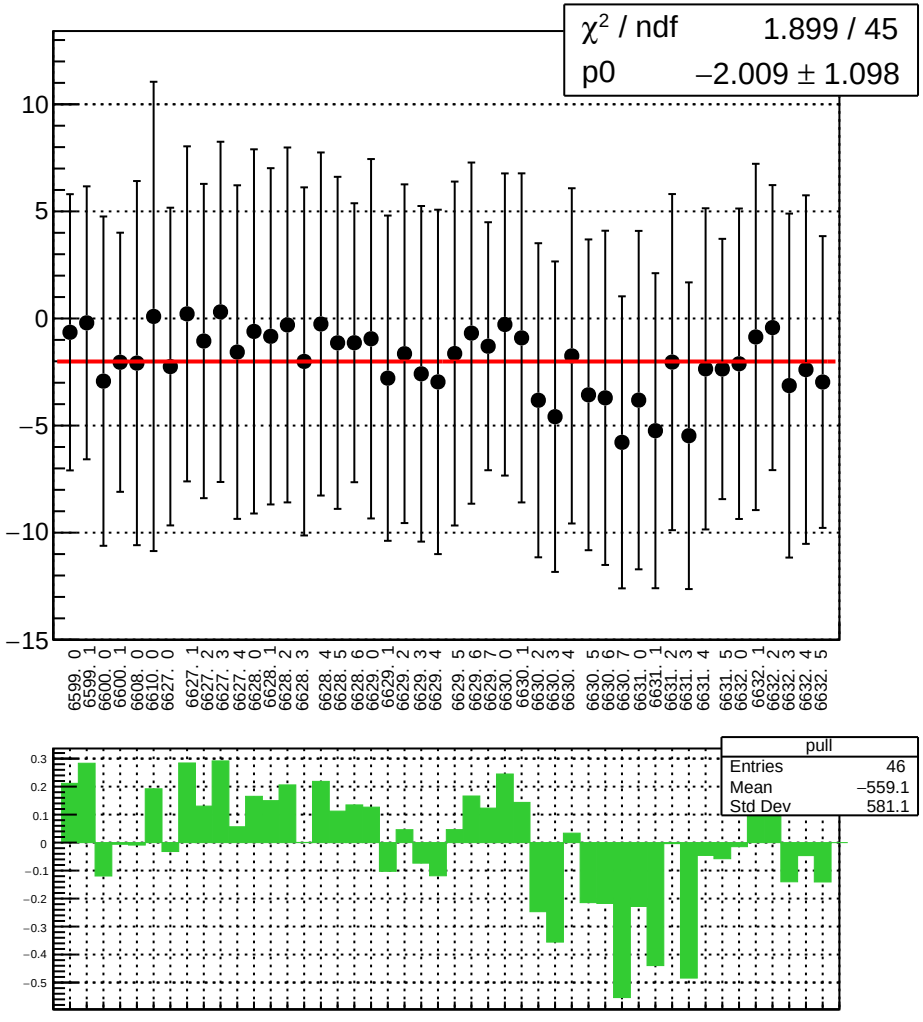

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.415 / 45
p0 0.4317 ± 0.5932
pull
Entries 46
Mean −1019
Std Dev 1047

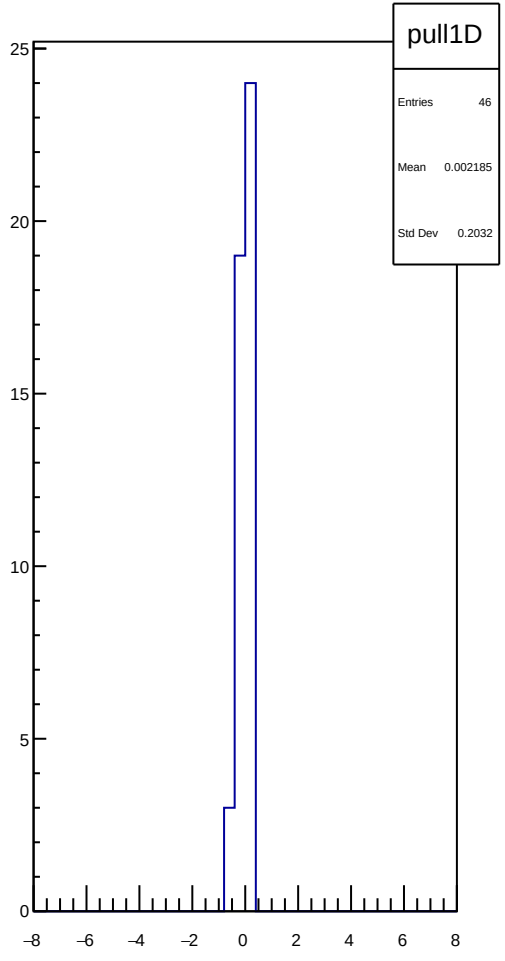

pull1D
Entries 46
Mean 0.001751
Std Dev 0.3734

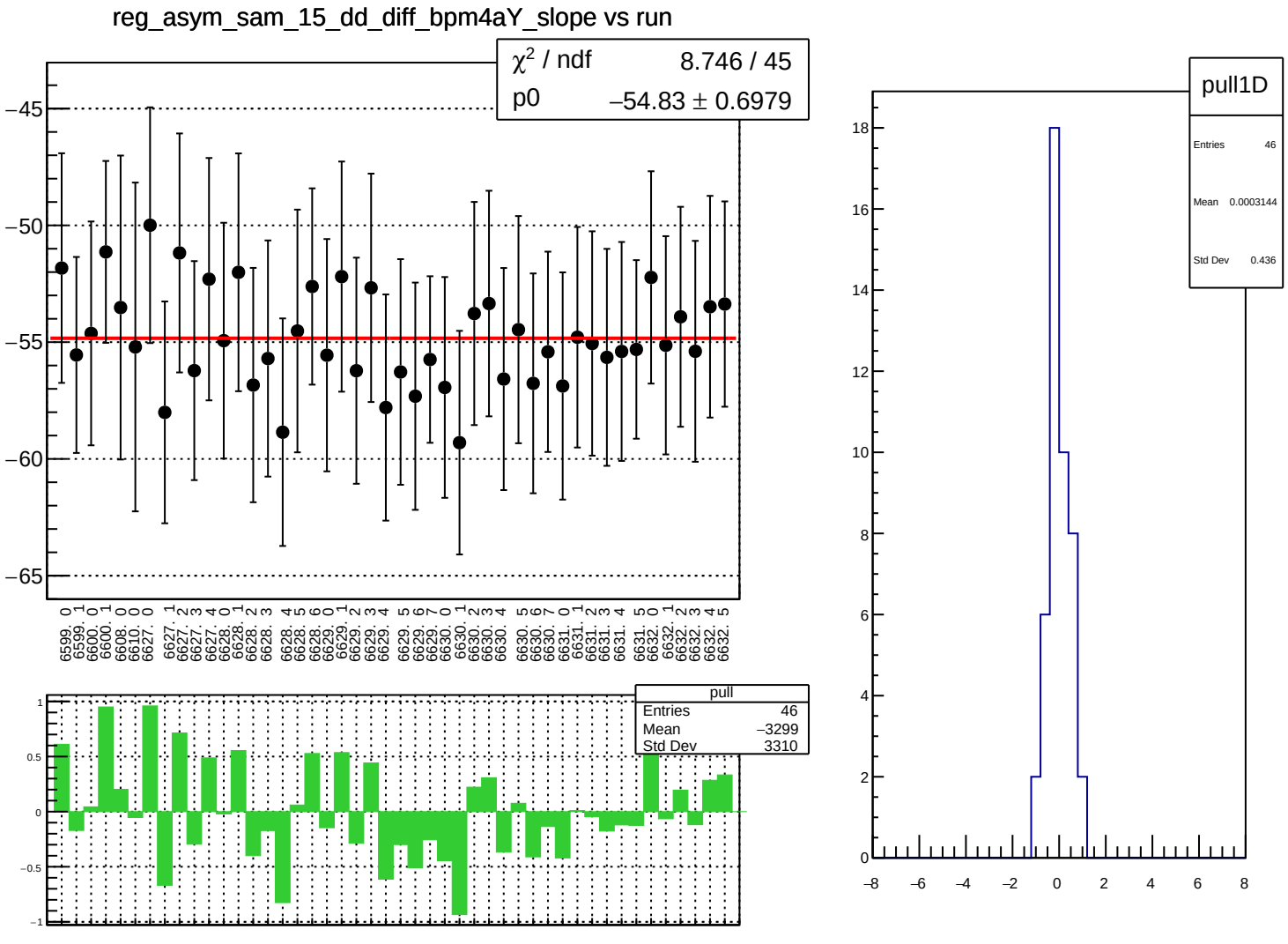

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.16 / 45
p0 55.59 ± 0.4249
pull
Entries 46
Mean −10.66
Std Dev 36.39
pull1D
Entries 46
Mean −0.02231
Std Dev 1.044

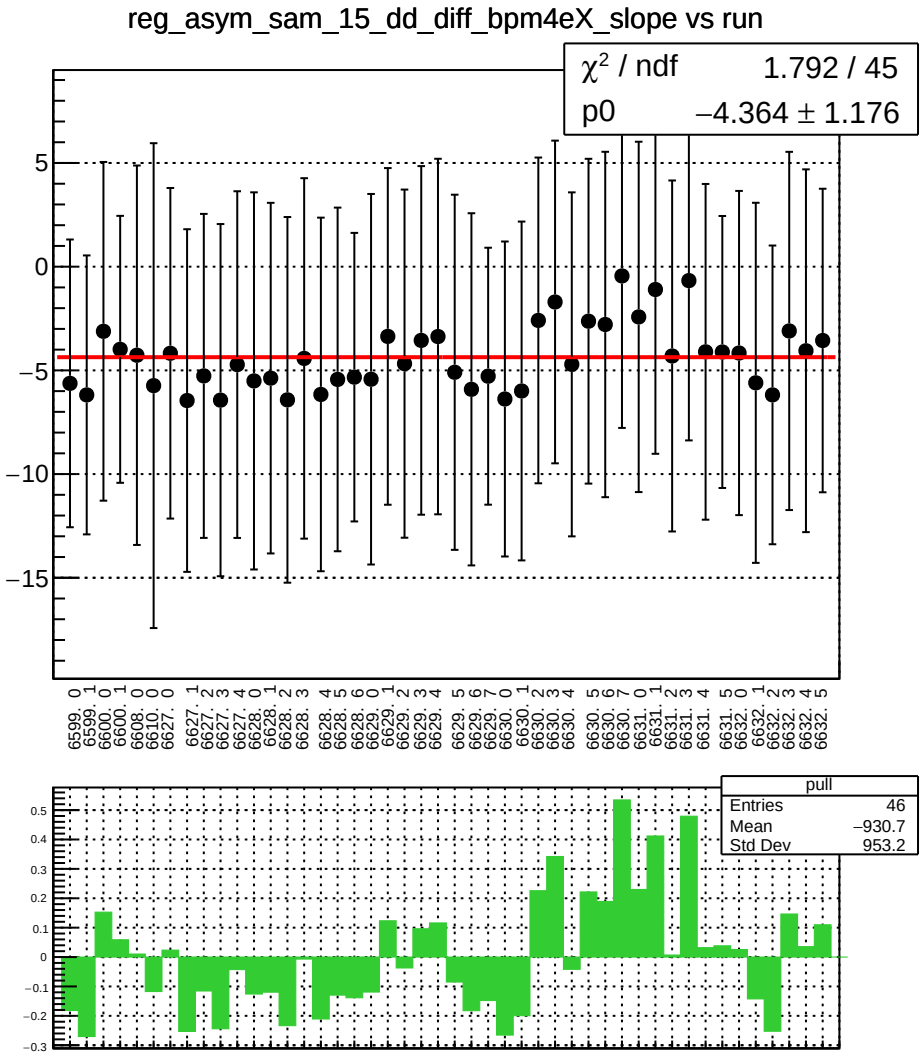

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 6.638 / 45
p0 0.1846 ± 0.0238
pull
Entries 46
Mean −0.8339
Std Dev 62.33
pull1D
Entries 46
Mean −0.009755
Std Dev 0.3797

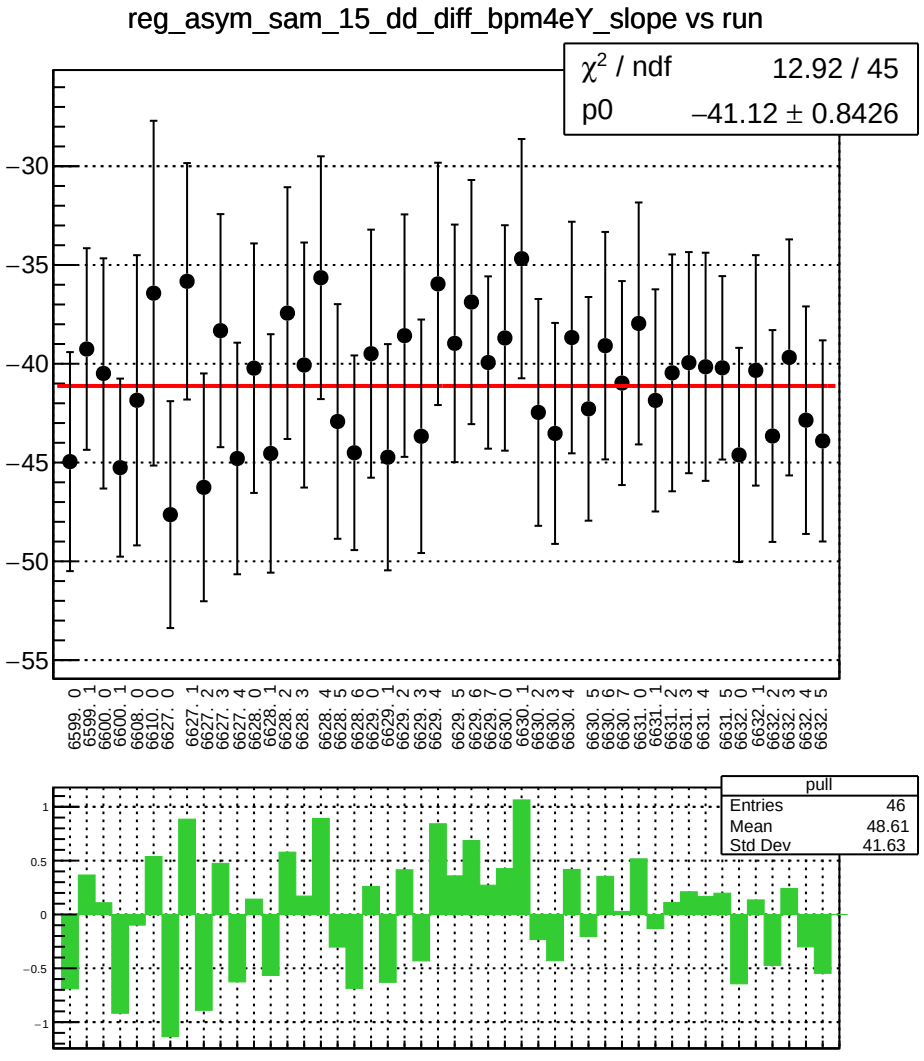
reg_asym_sam_15_dd_diff_bpm1X_slope vs run

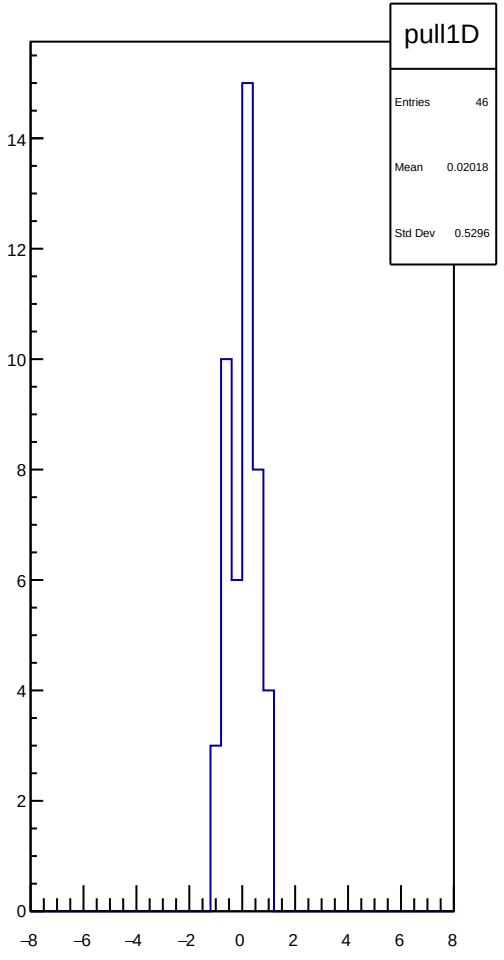


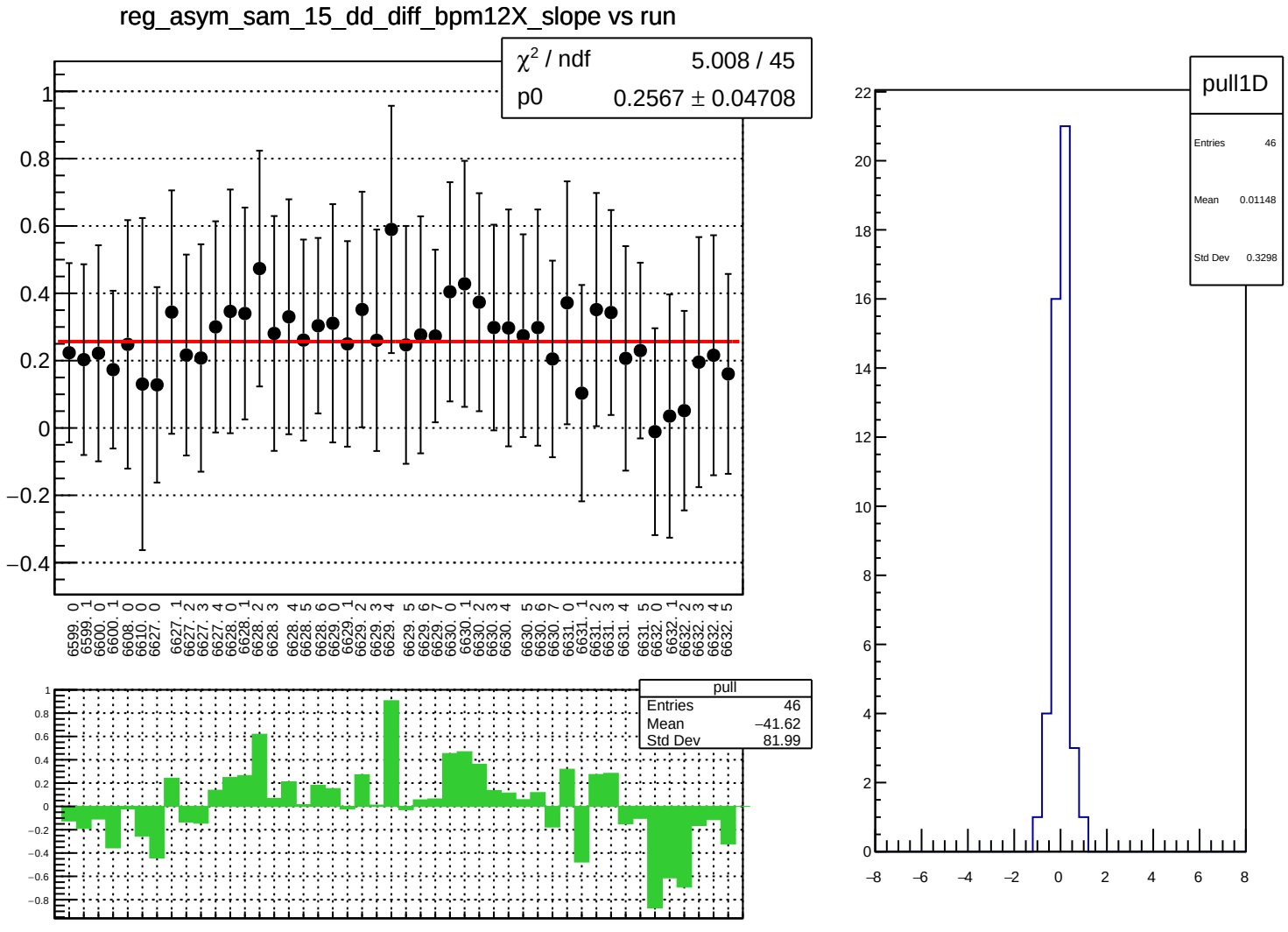


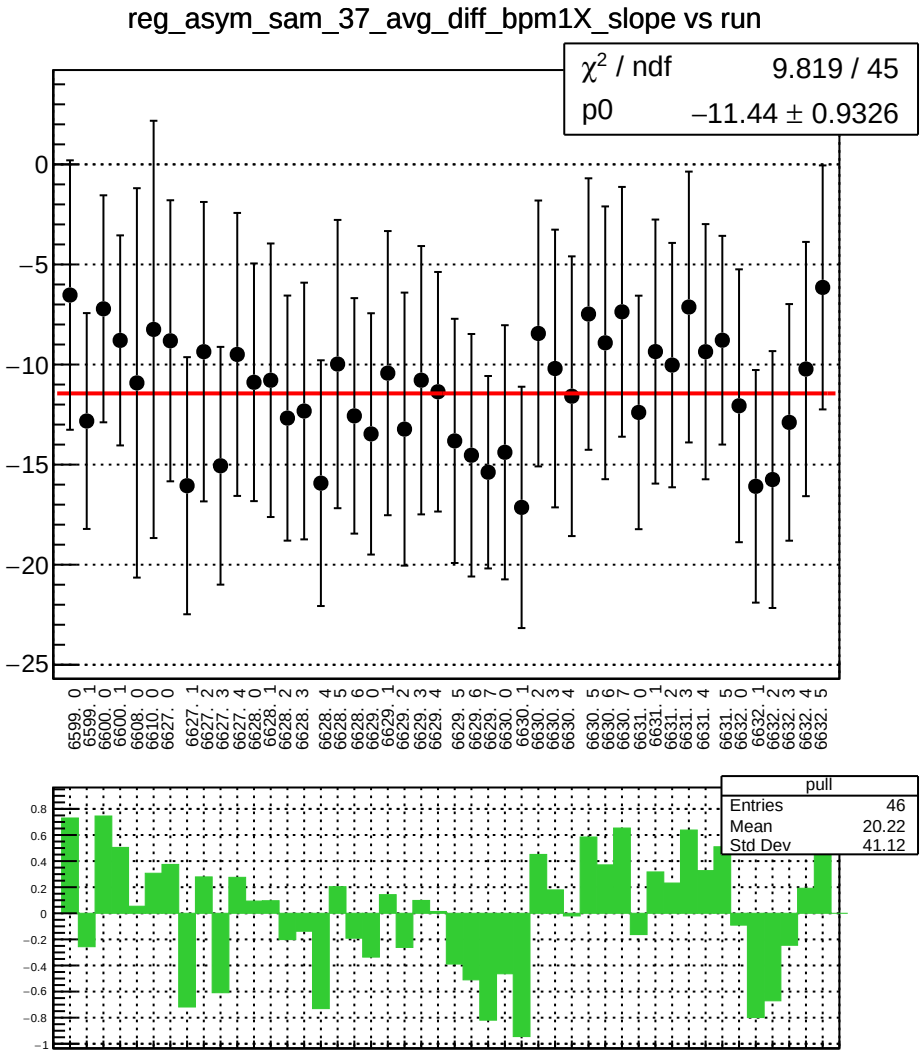

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.746 / 45
p0 −54.83 ± 0.6979
−45
−50
−55
−60
−65
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −3299
Std Dev 3310
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.0003144
Std Dev 0.436
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

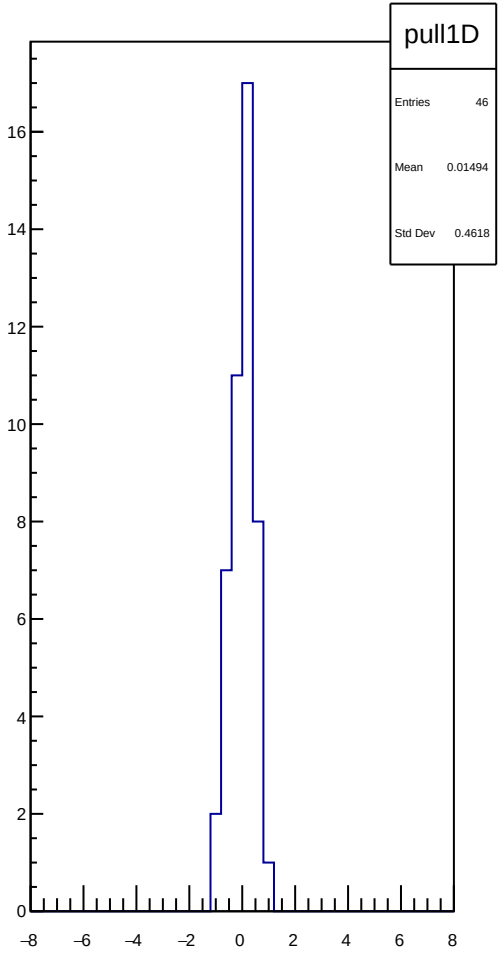

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.792 / 45
p0 −4.364 ± 1.176
5
0
−5
−10
−15
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −930.7
Std Dev 953.2
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 46
Mean −0.001133
Std Dev 0.1974
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

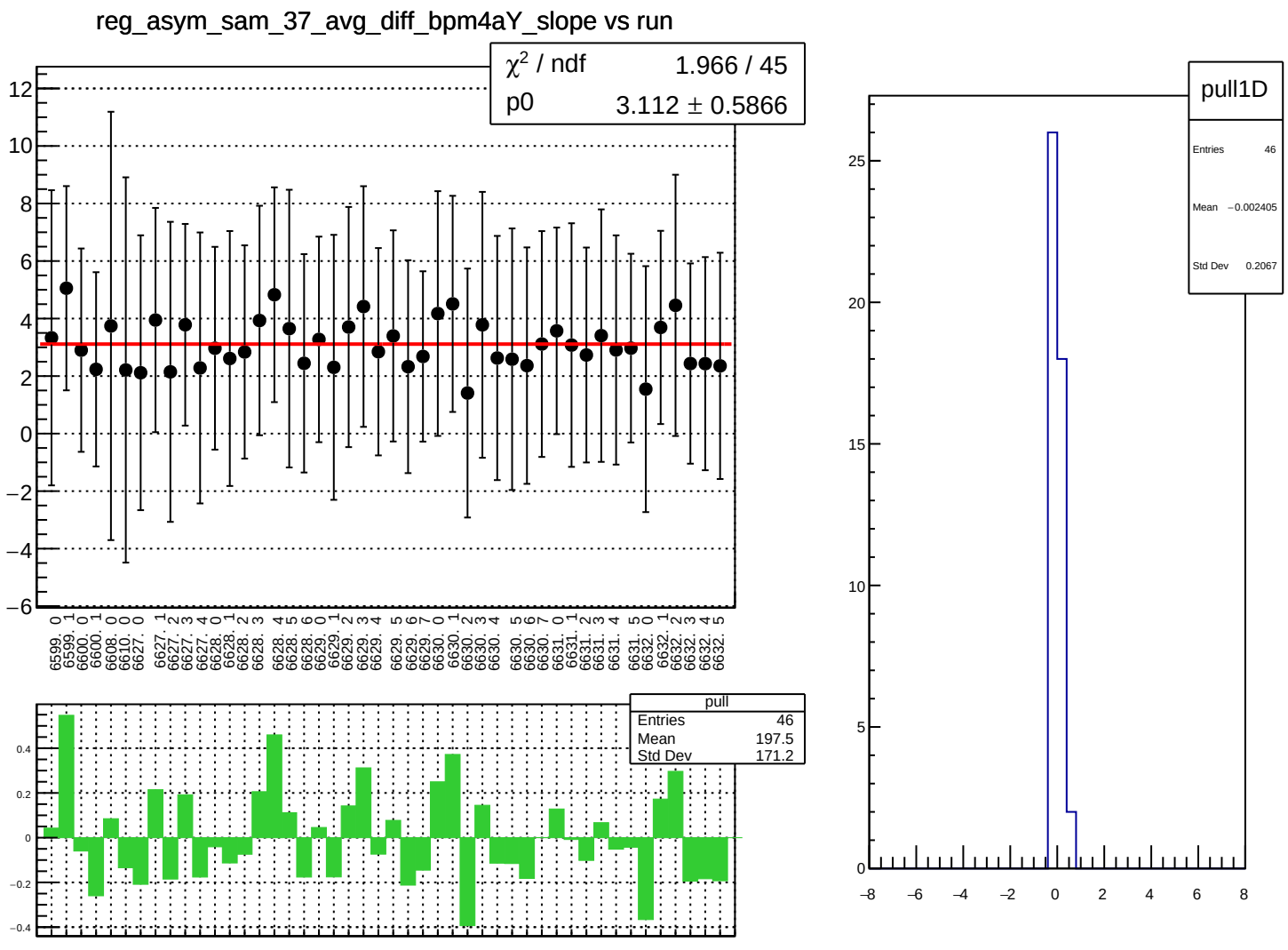

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.92 / 45
p0 −41.12 ± 0.8426
pull
Entries 46
Mean 48.61
Std Dev 41.63

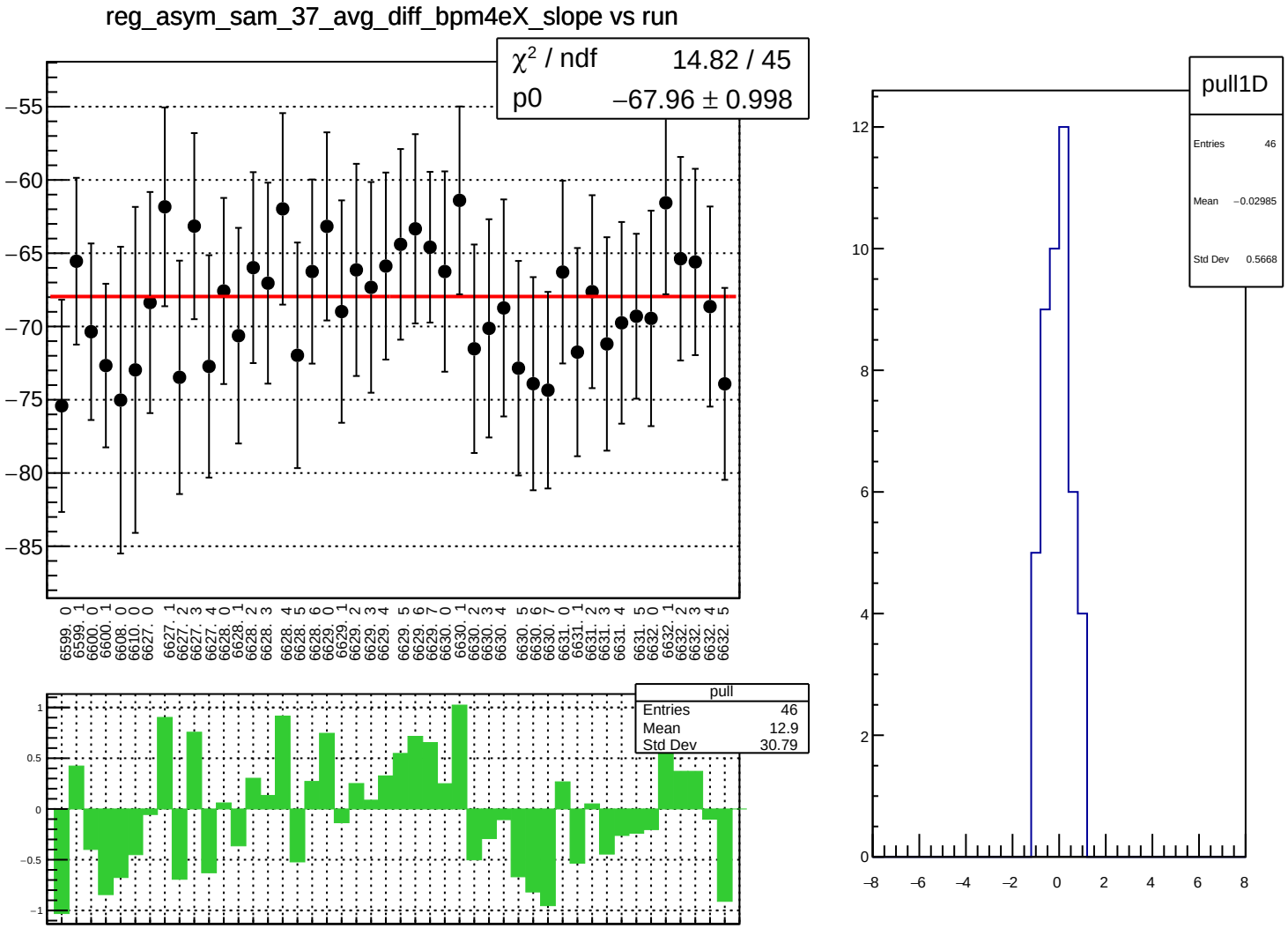

pull1D
Entries 46
Mean 0.02018
Std Dev 0.5296

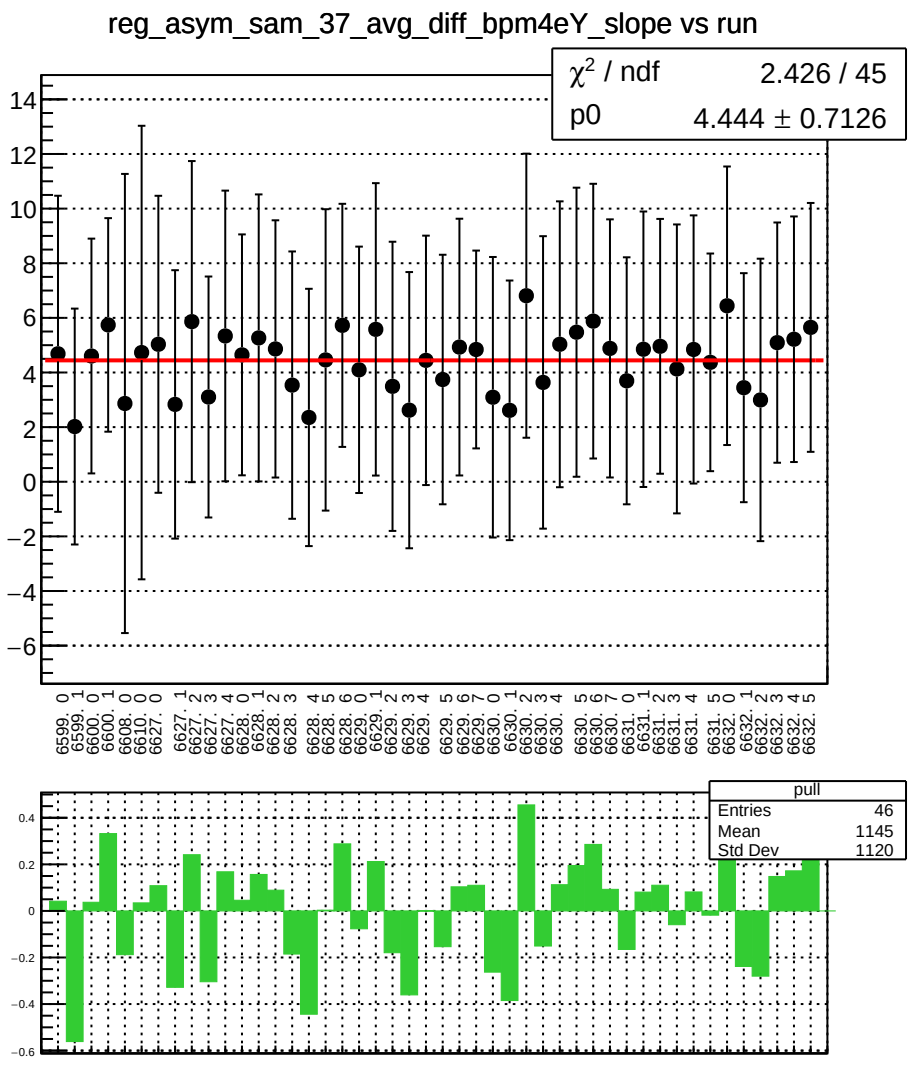

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 5.008 / 45
p0 0.2567 ± 0.04708
pull
Entries 46
Mean −41.62
Std Dev 81.99
pull1D
Entries 46
Mean 0.01148
Std Dev 0.3298

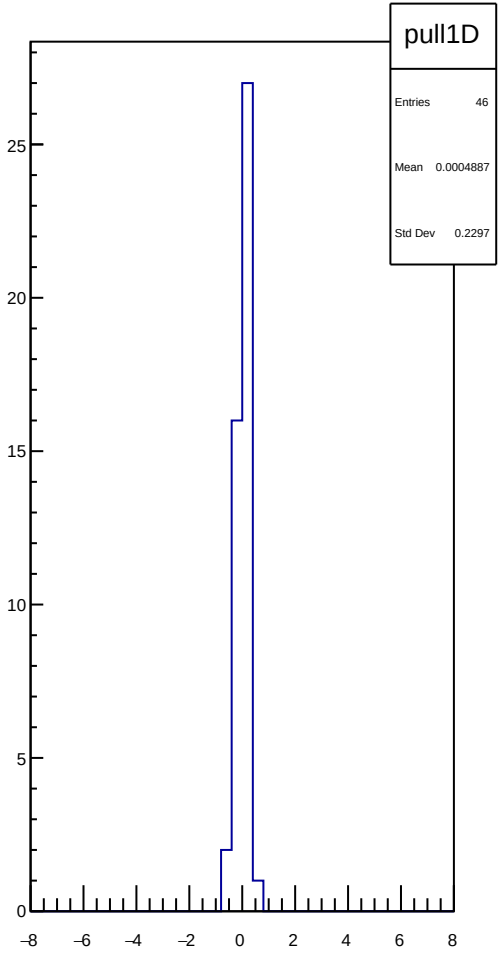

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 9.819 / 45
p0 −11.44 ± 0.9326
pull
Entries 46
Mean 20.22
Std Dev 41.12

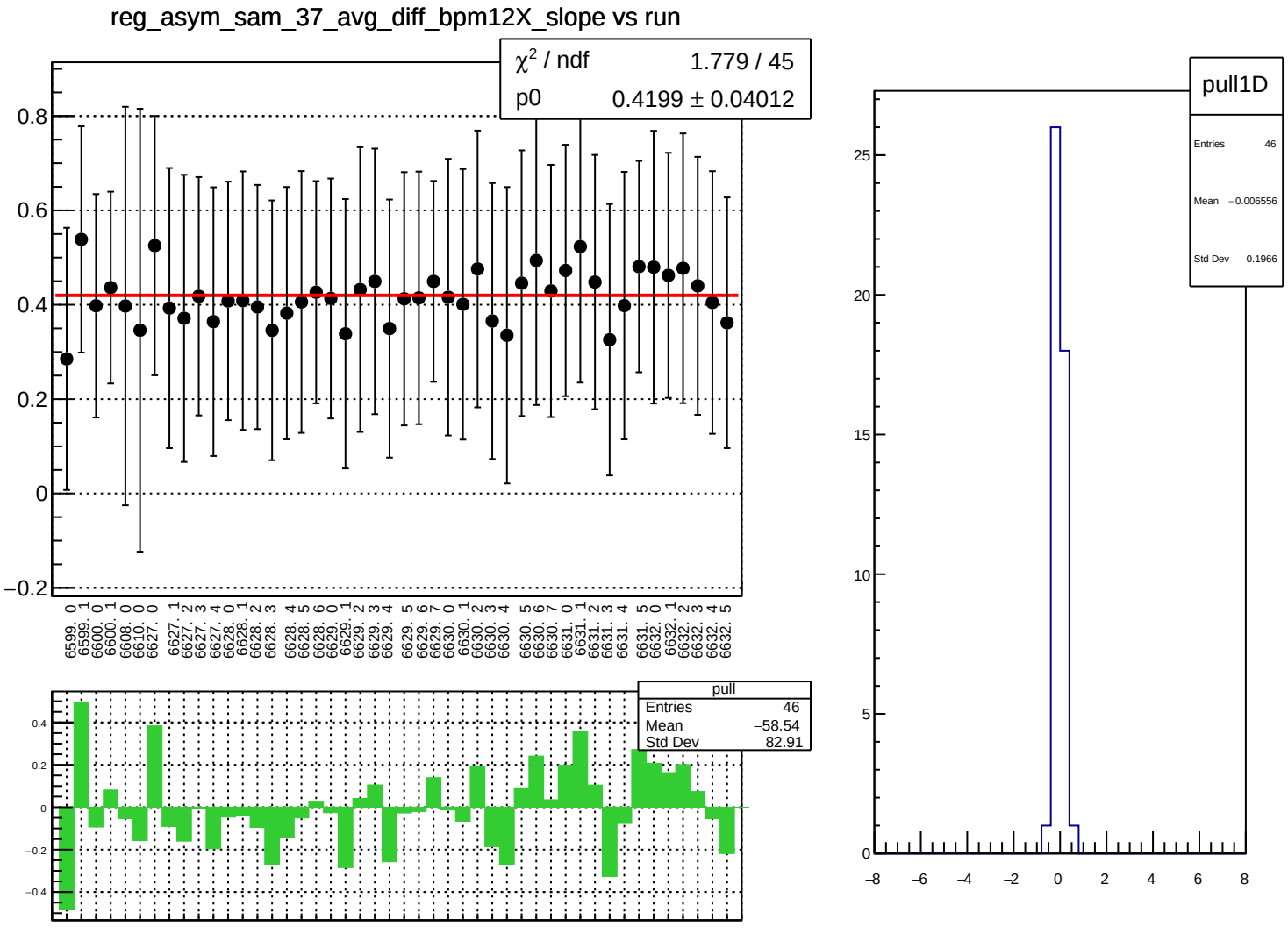

pull1D
Entries 46
Mean 0.01494
Std Dev 0.4618

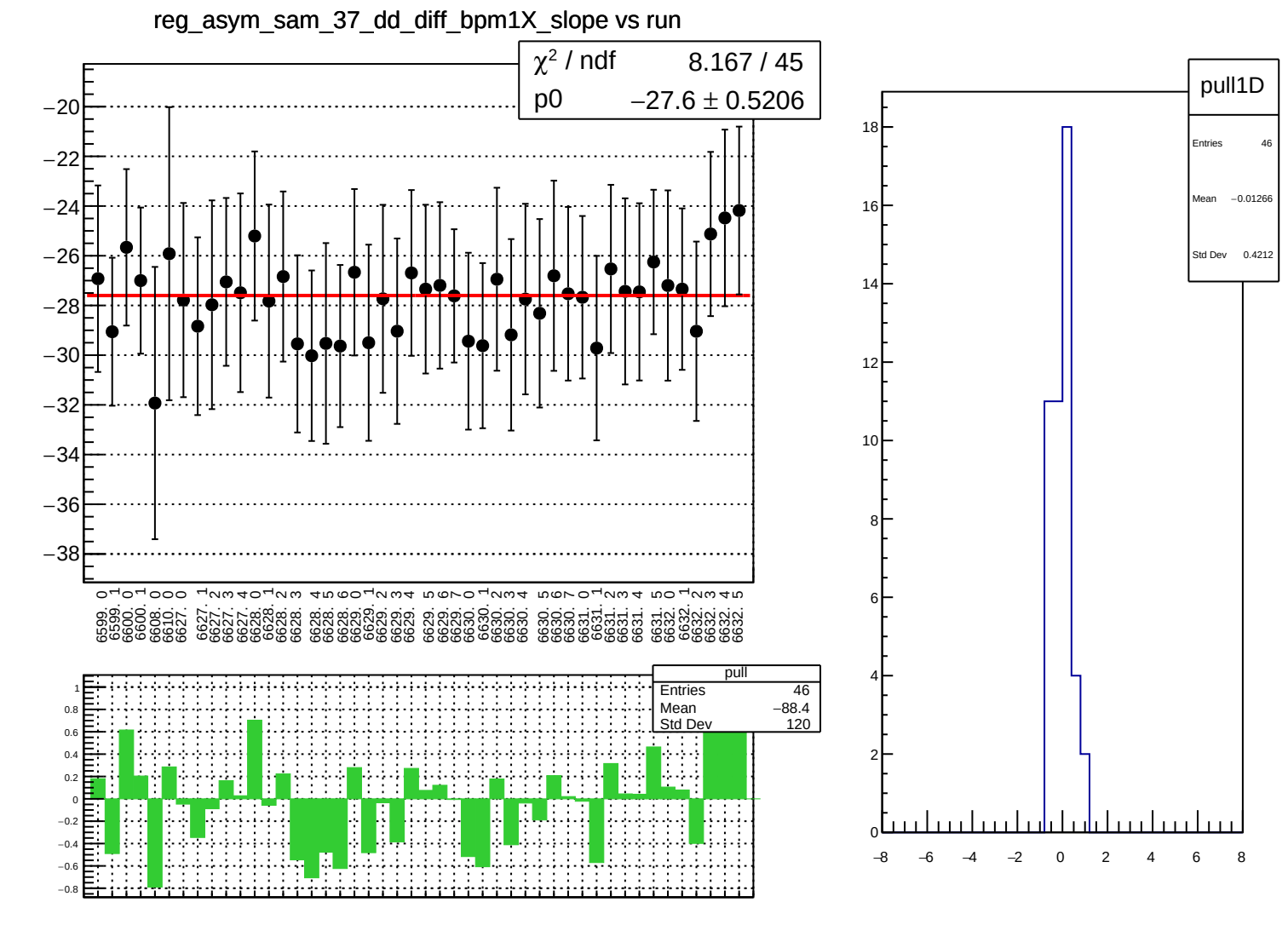

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.966 / 45
p0 3.112 ± 0.5866
pull
Entries 46
Mean 197.5
Std Dev 171.2
pull1D
Entries 46
Mean −0.002405
Std Dev 0.2067

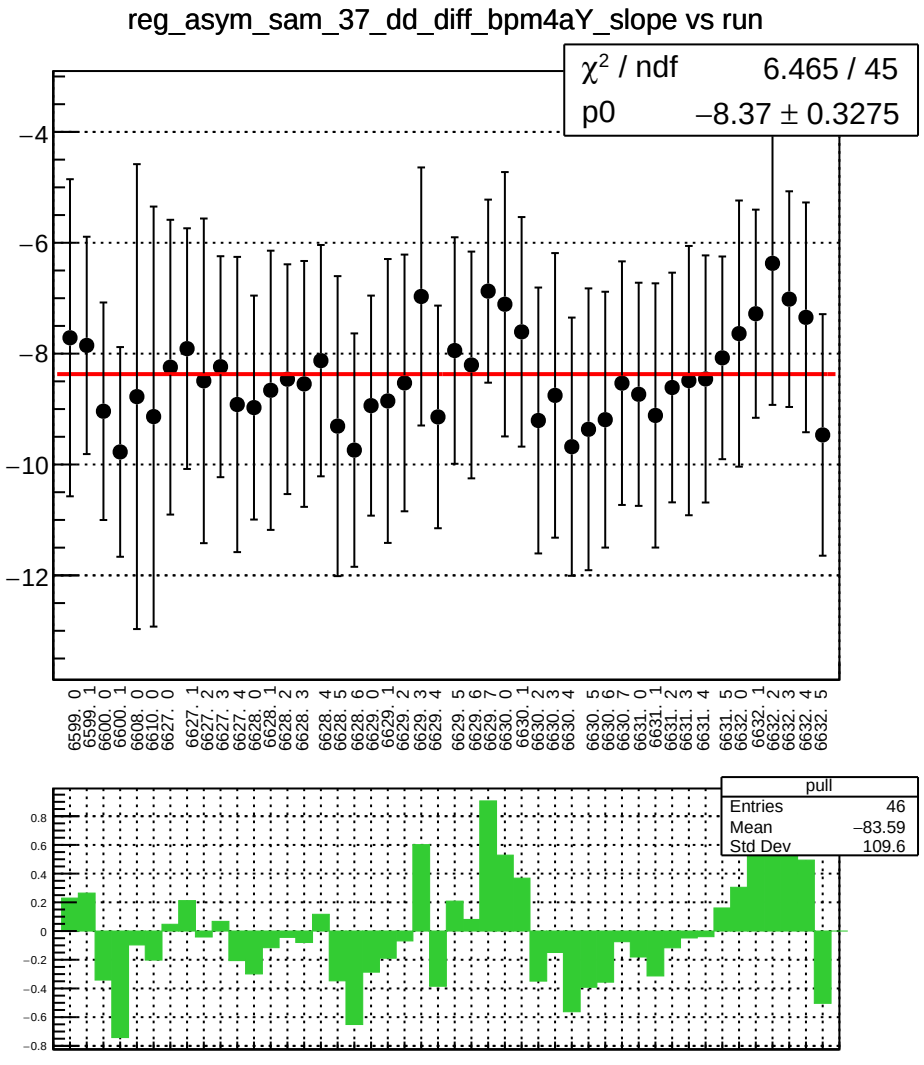

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.82 / 45
p0 −67.96 ± 0.998
pull
Entries 46
Mean 12.9
Std Dev 30.79
pull1D
Entries 46
Mean −0.02985
Std Dev 0.5668

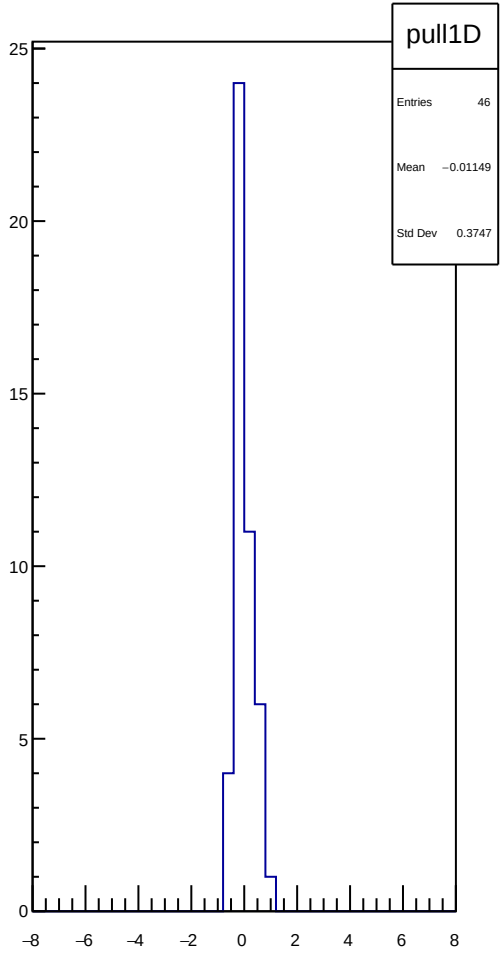

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.426 / 45
p0 4.444 ± 0.7126
pull
Entries 46
Mean 1145
Std Dev 1120

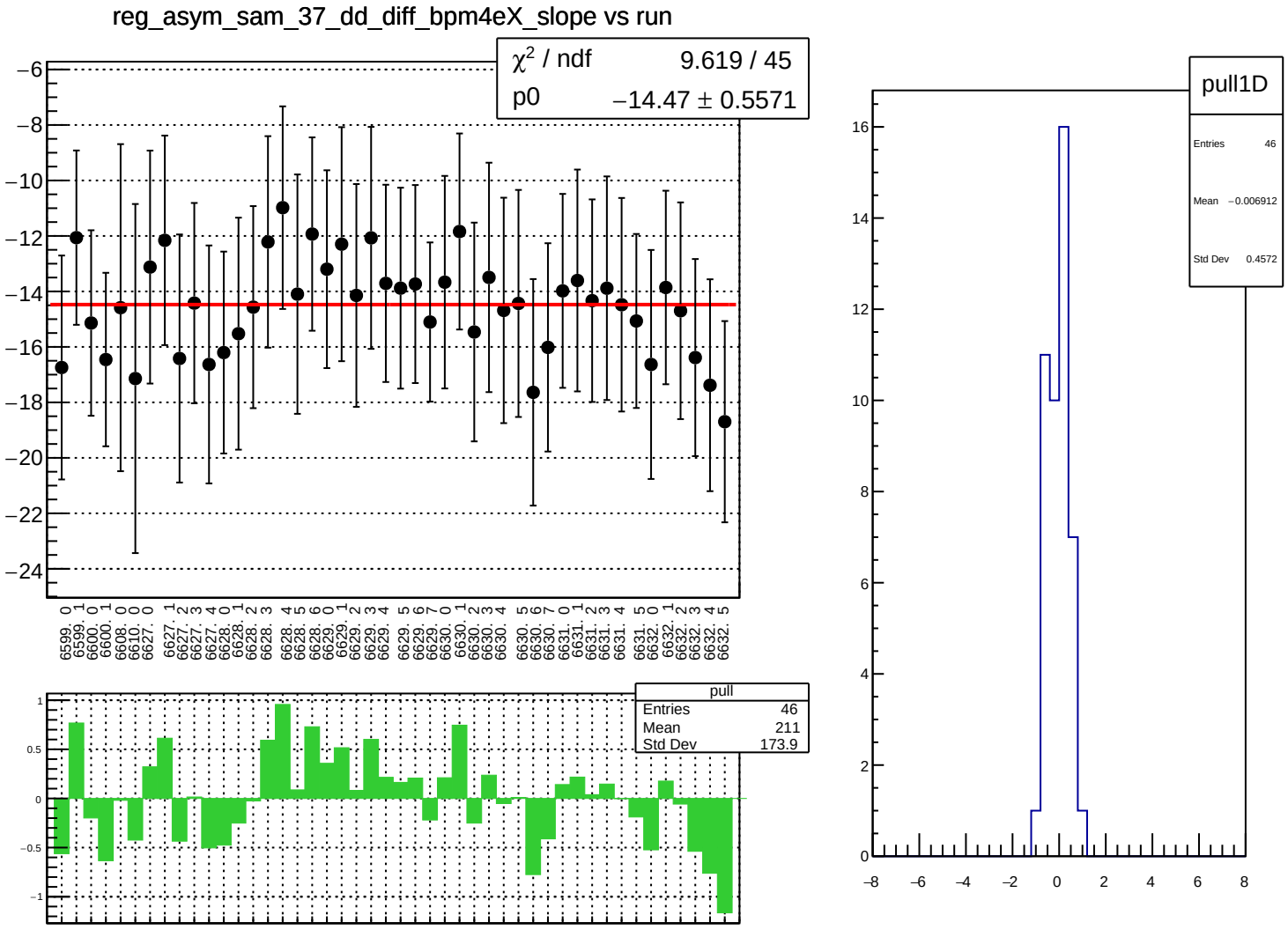

pull1D
Entries 46
Mean 0.0004887
Std Dev 0.2297

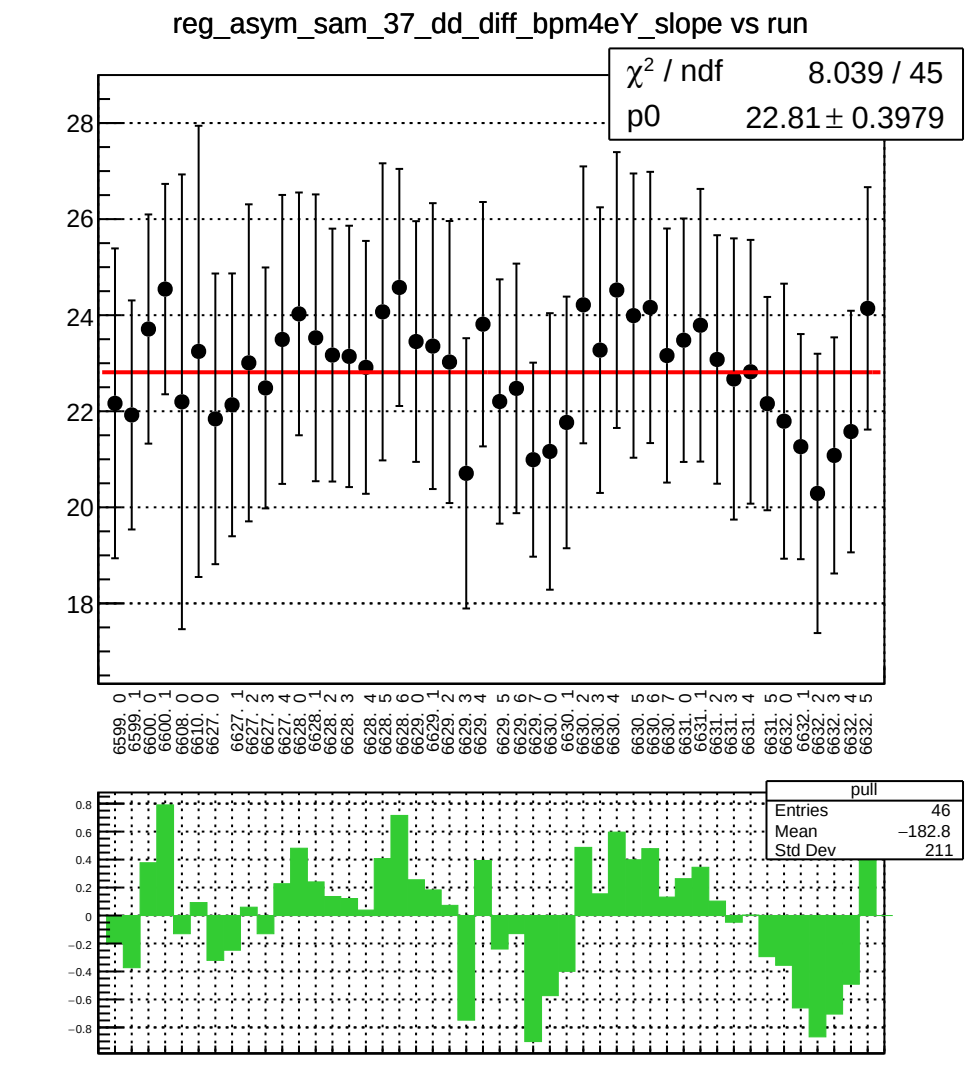

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.779 / 45
p0 0.4199 ± 0.04012
pull
Entries 46
Mean −58.54
Std Dev 82.91
pull1D
Entries 46
Mean −0.006556
Std Dev 0.1966

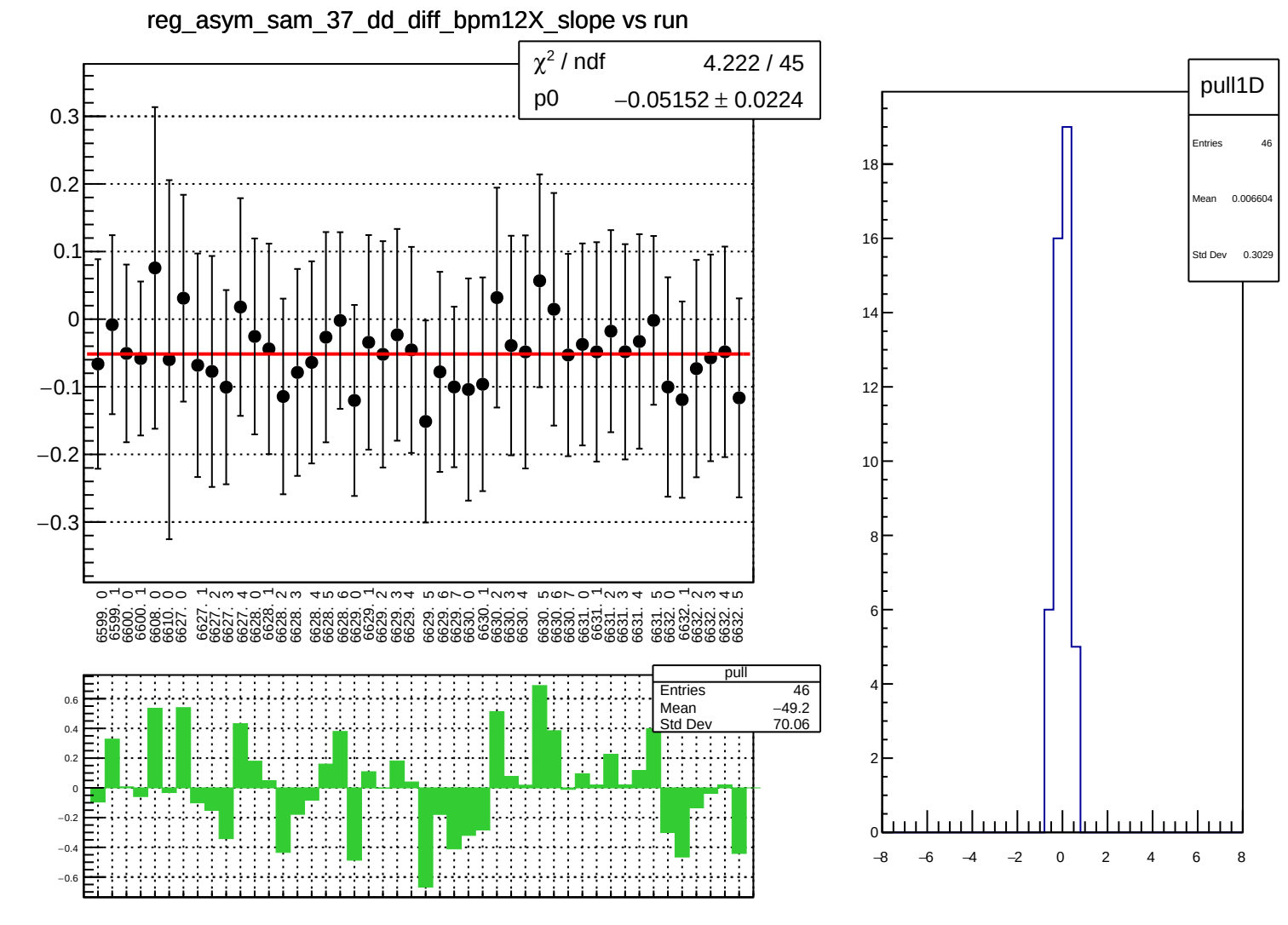

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 8.167 / 45
p0 −27.6 ± 0.5206
pull
Entries 46
Mean −88.4
Std Dev 120
pull1D
Entries 46
Mean −0.01266
Std Dev 0.4212

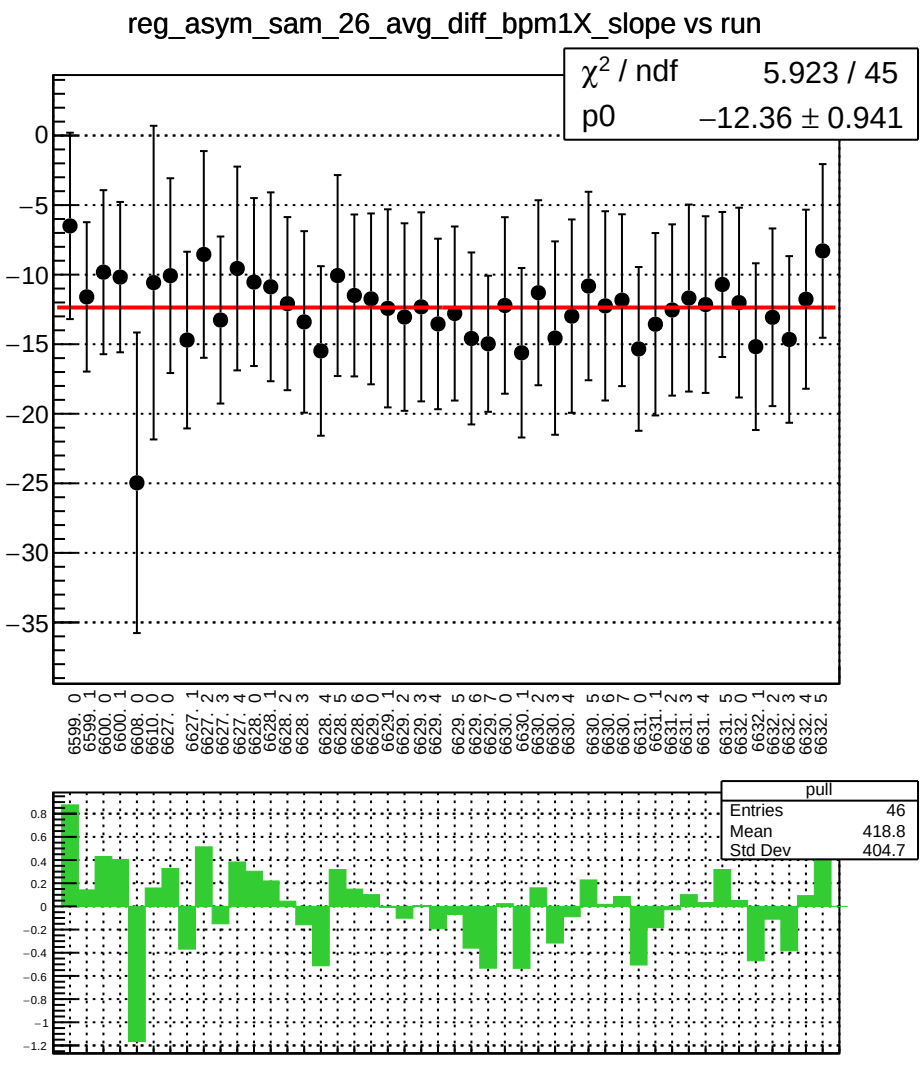

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.465 / 45
p0 −8.37 ± 0.3275
−4
−6
−8
−10
−12
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −83.59
Std Dev 109.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

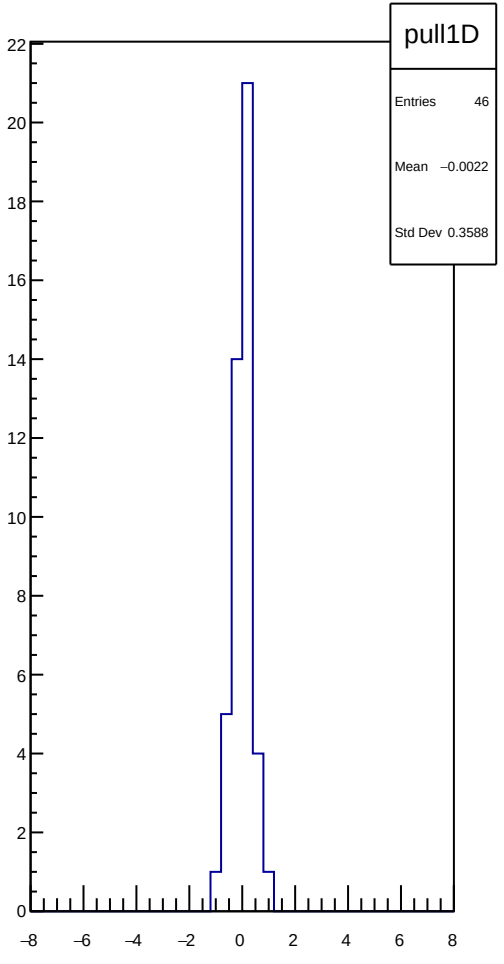

pull1D
Entries 46
Mean −0.01149
Std Dev 0.3747
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

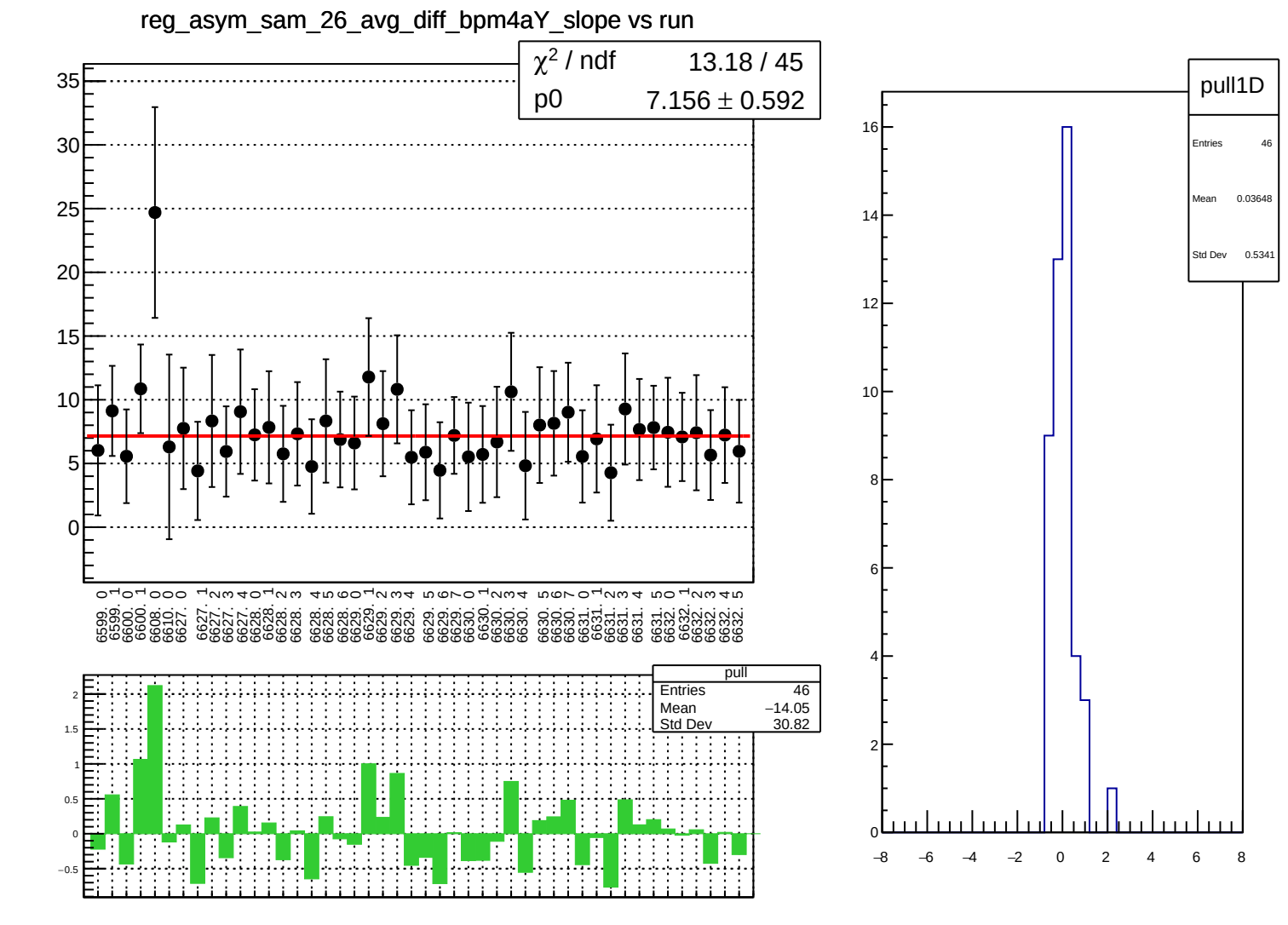

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.619 / 45
p0 −14.47 ± 0.5571
pull
Entries 46
Mean 211
Std Dev 173.9
pull1D
Entries 46
Mean −0.006912
Std Dev 0.4572

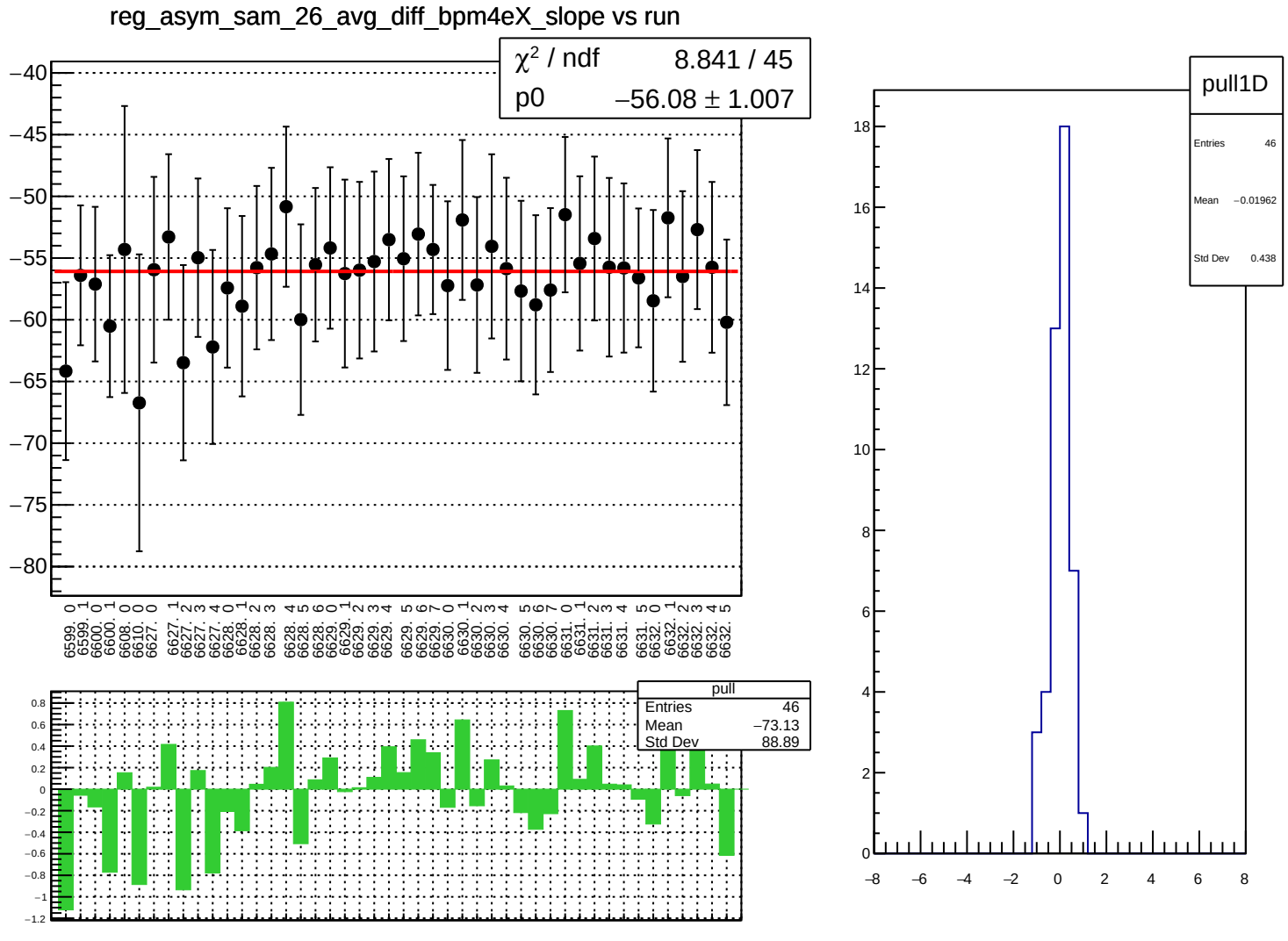

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.039 / 45
p0 22.81 ± 0.3979
28
26
24
22
20
18
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −182.8
Std Dev 211
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.00582
Std Dev 0.418
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

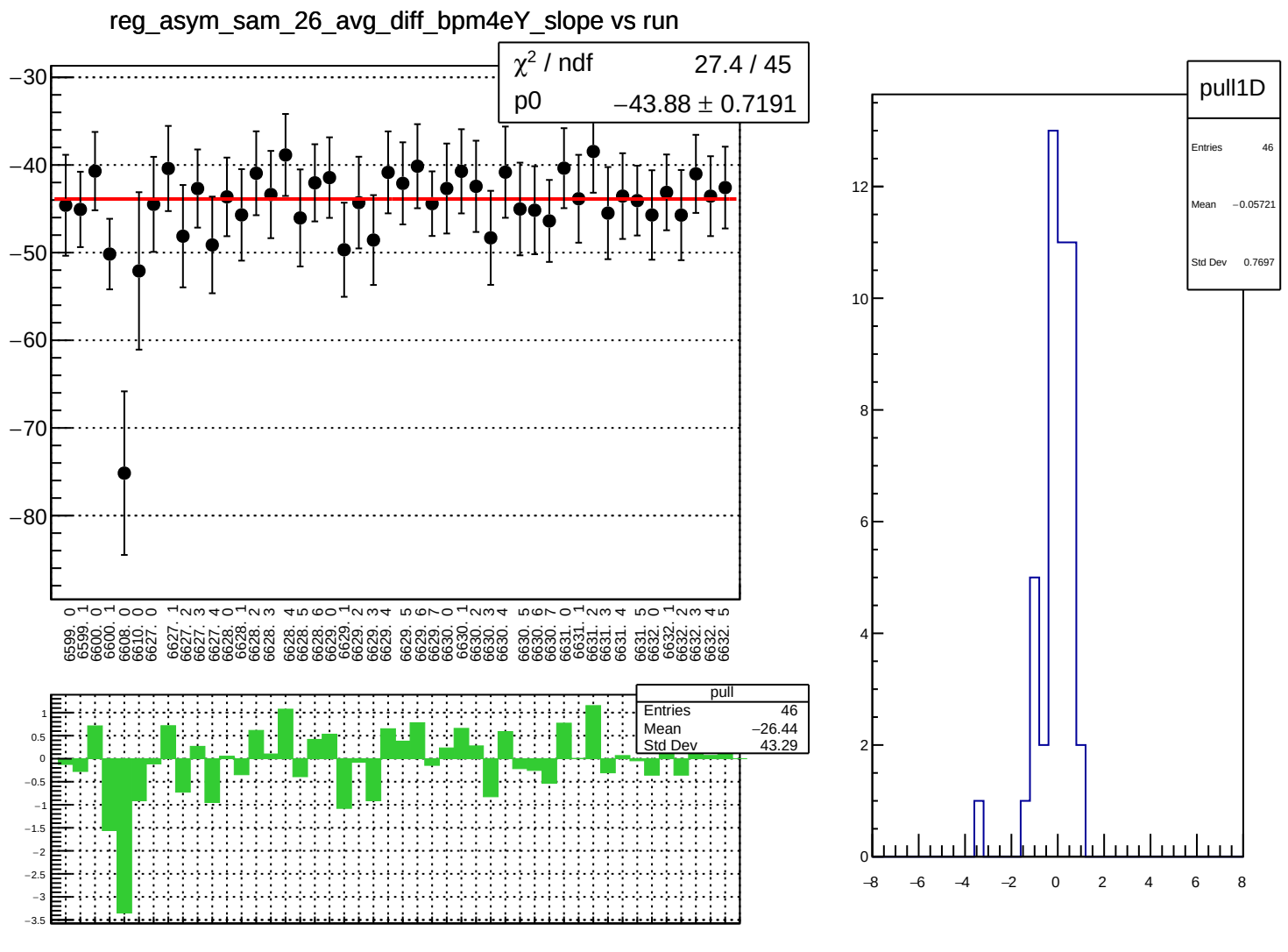

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.222 / 45
p0 −0.05152 ± 0.0224
pull
Entries 46
Mean −49.2
Std Dev 70.06
pull1D
Entries 46
Mean 0.006604
Std Dev 0.3029

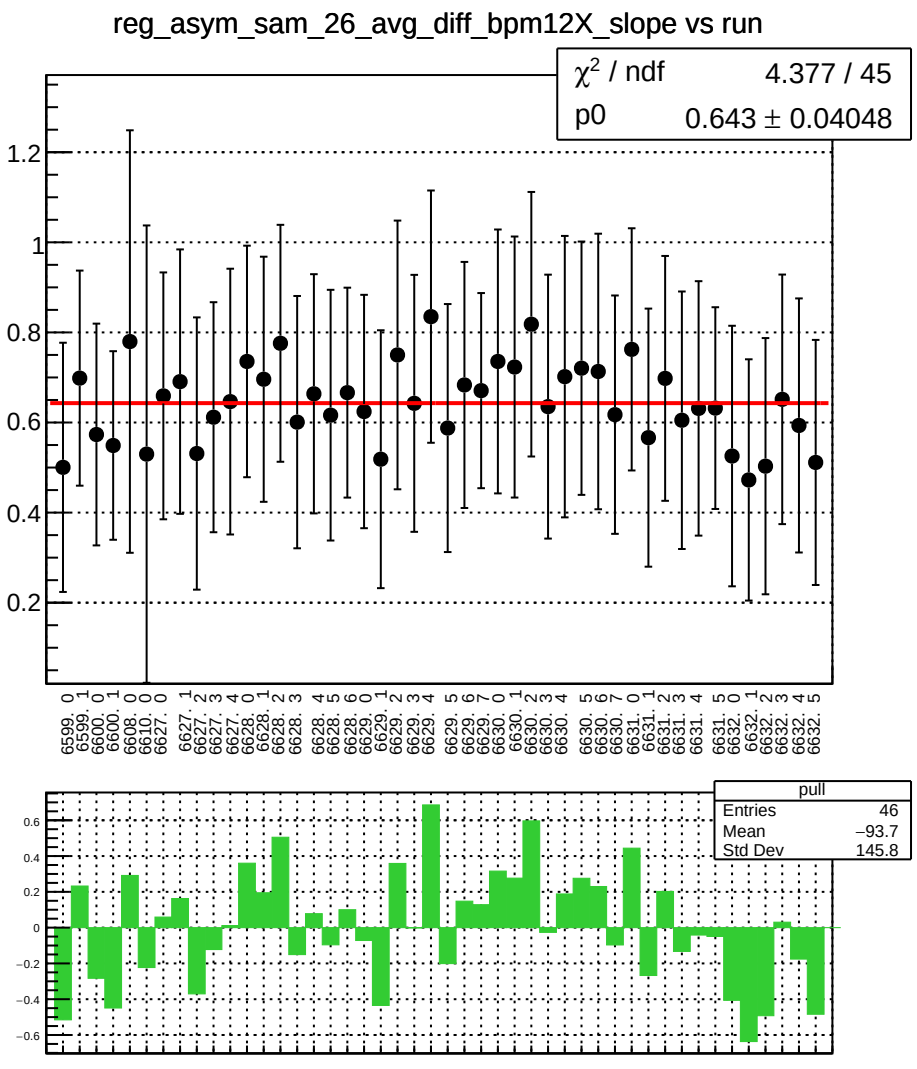

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 5.923 / 45
p0 −12.36 ± 0.941
pull
Entries 46
Mean 418.8
Std Dev 404.7

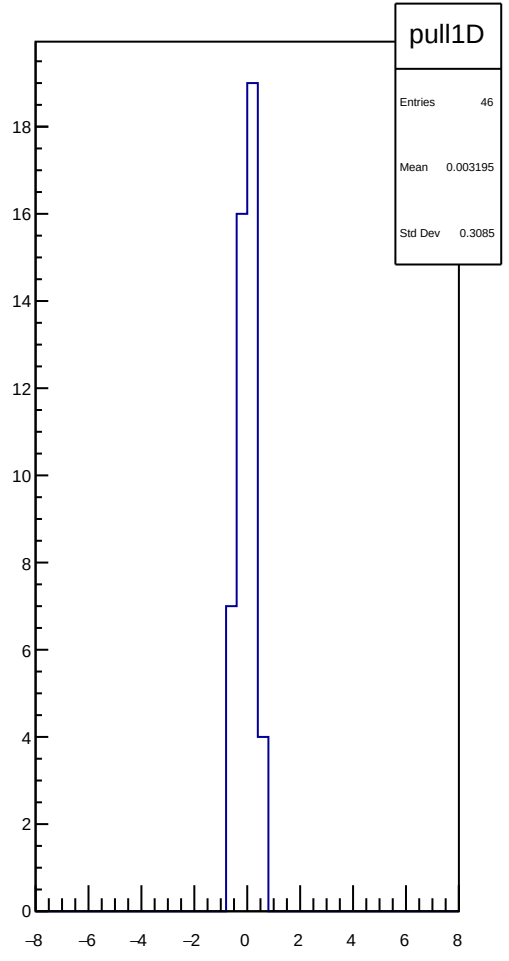

pull1D
Entries 46
Mean −0.0022
Std Dev 0.3588

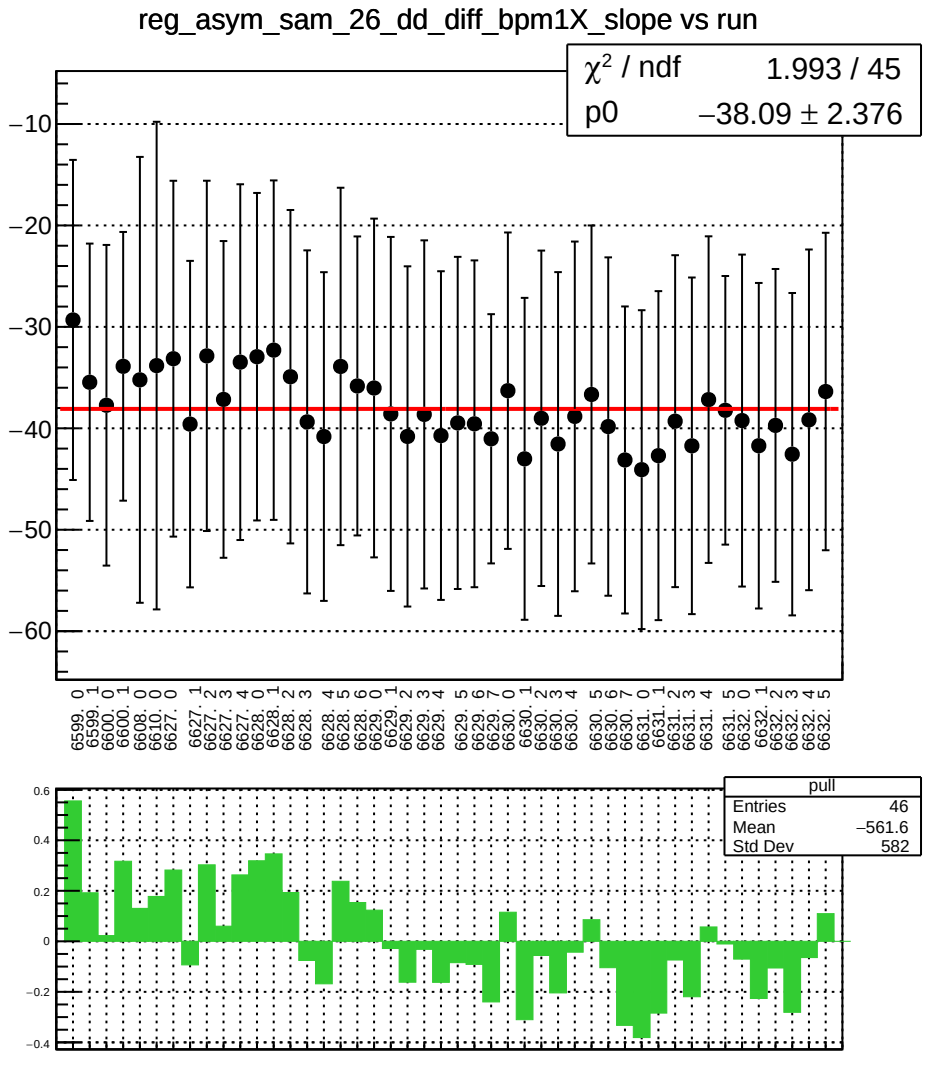

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.18 / 45
p0 7.156 ± 0.592
pull
Entries 46
Mean −14.05
Std Dev 30.82
pull1D
Entries 46
Mean 0.03648
Std Dev 0.5341

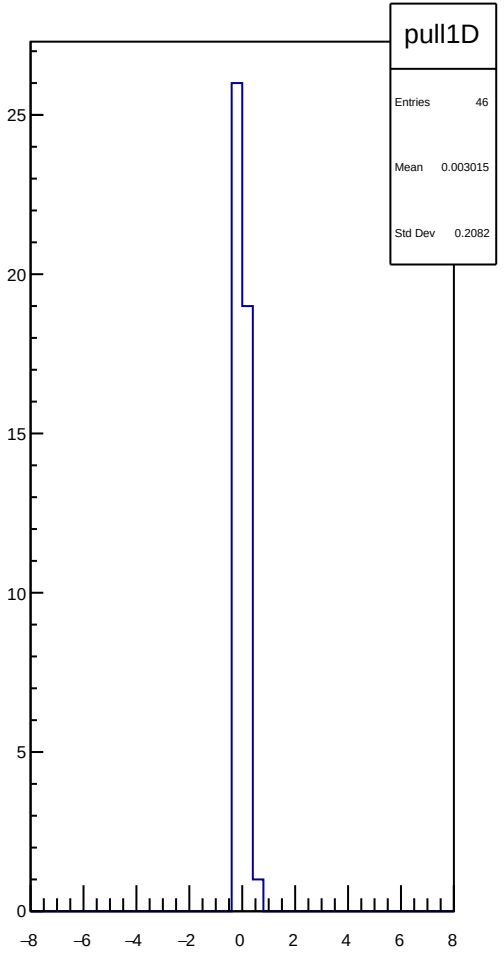

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.841 / 45
p0 −56.08 ± 1.007
pull
Entries 46
Mean −73.13
Std Dev 88.89
pull1D
Entries 46
Mean −0.01962
Std Dev 0.438

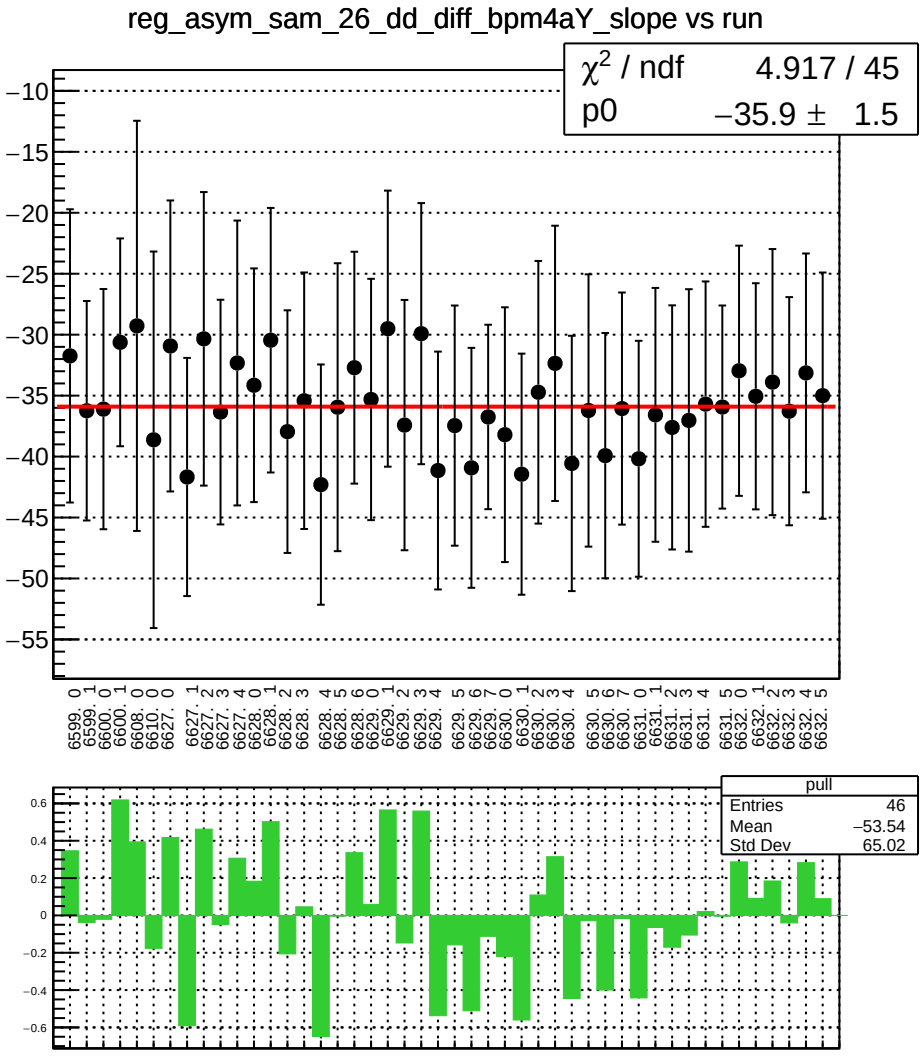

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.4 / 45
p0 −43.88 ± 0.7191
pull
Entries 46
Mean −26.44
Std Dev 43.29
pull1D
Entries 46
Mean −0.05721
Std Dev 0.7697

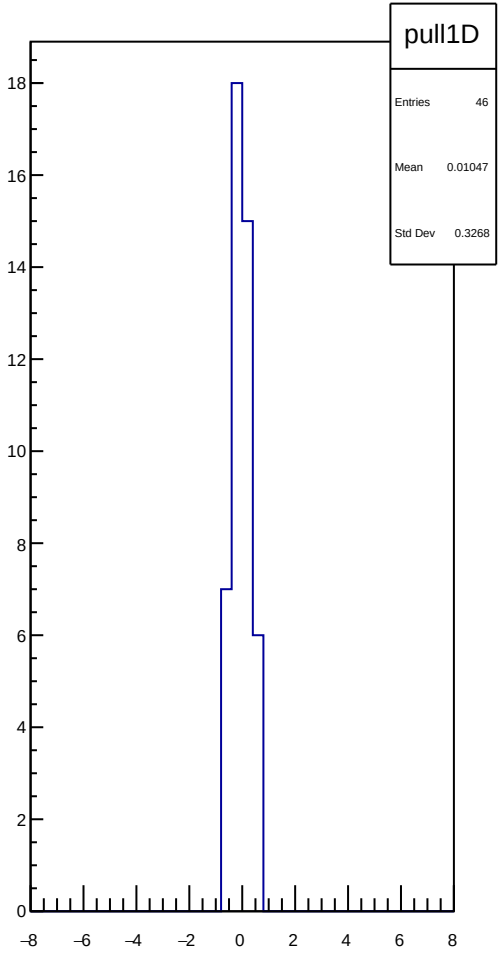

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.377 / 45
p0 0.643 ± 0.04048
pull
Entries 46
Mean −93.7
Std Dev 145.8

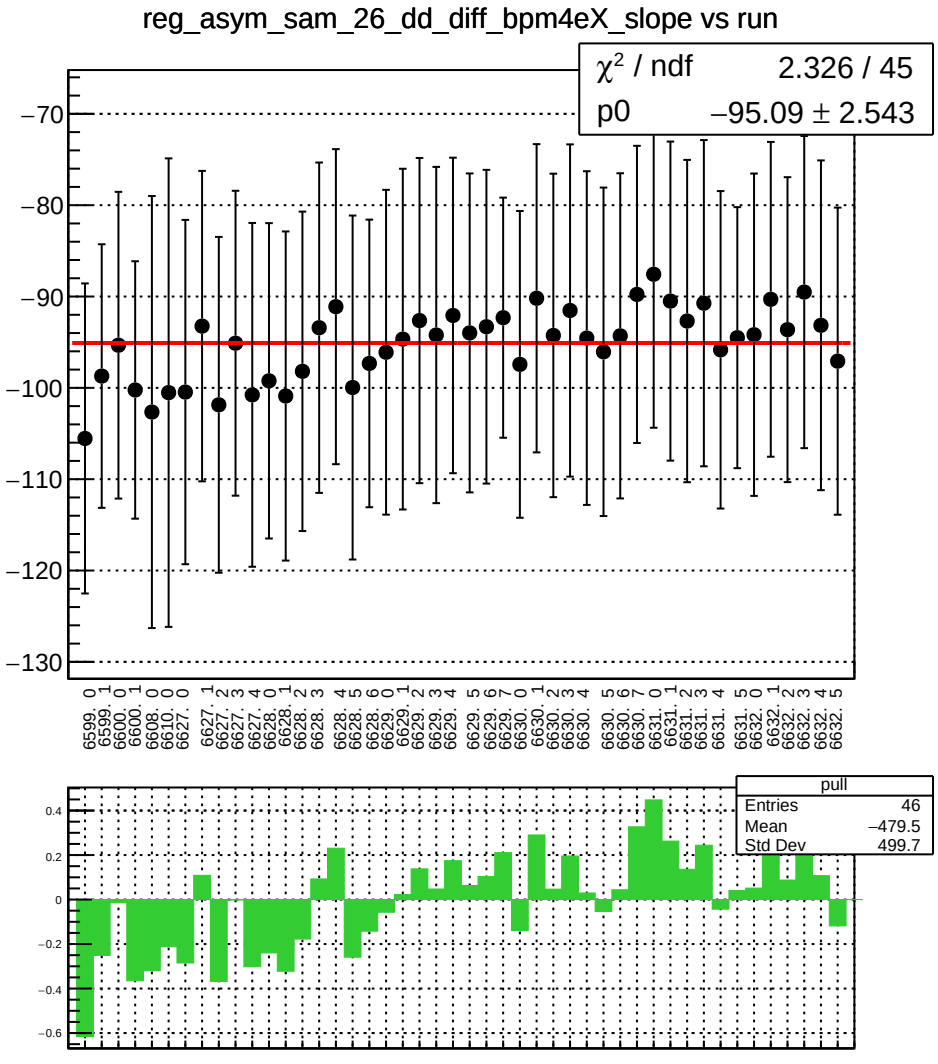

pull1D
Entries 46
Mean 0.003195
Std Dev 0.3085

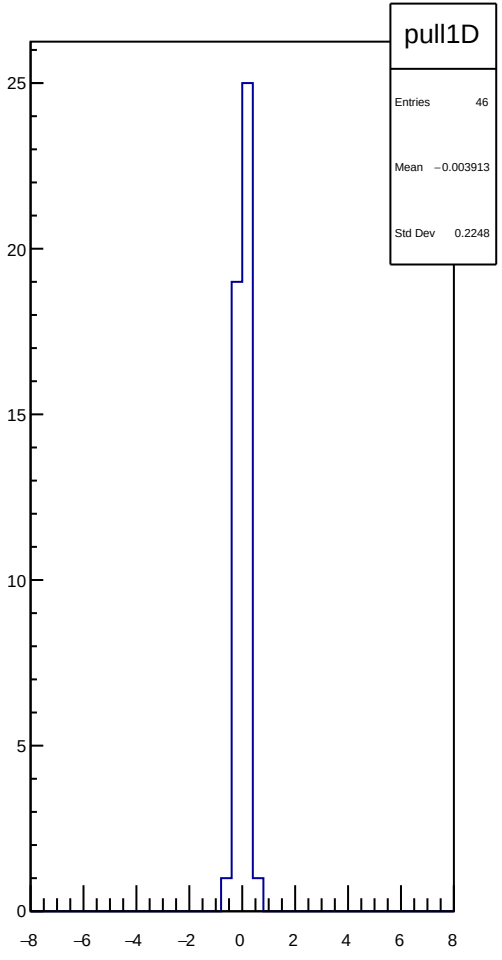

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.993 / 45
p0 −38.09 ± 2.376
pull
Entries 46
Mean −561.6
Std Dev 582

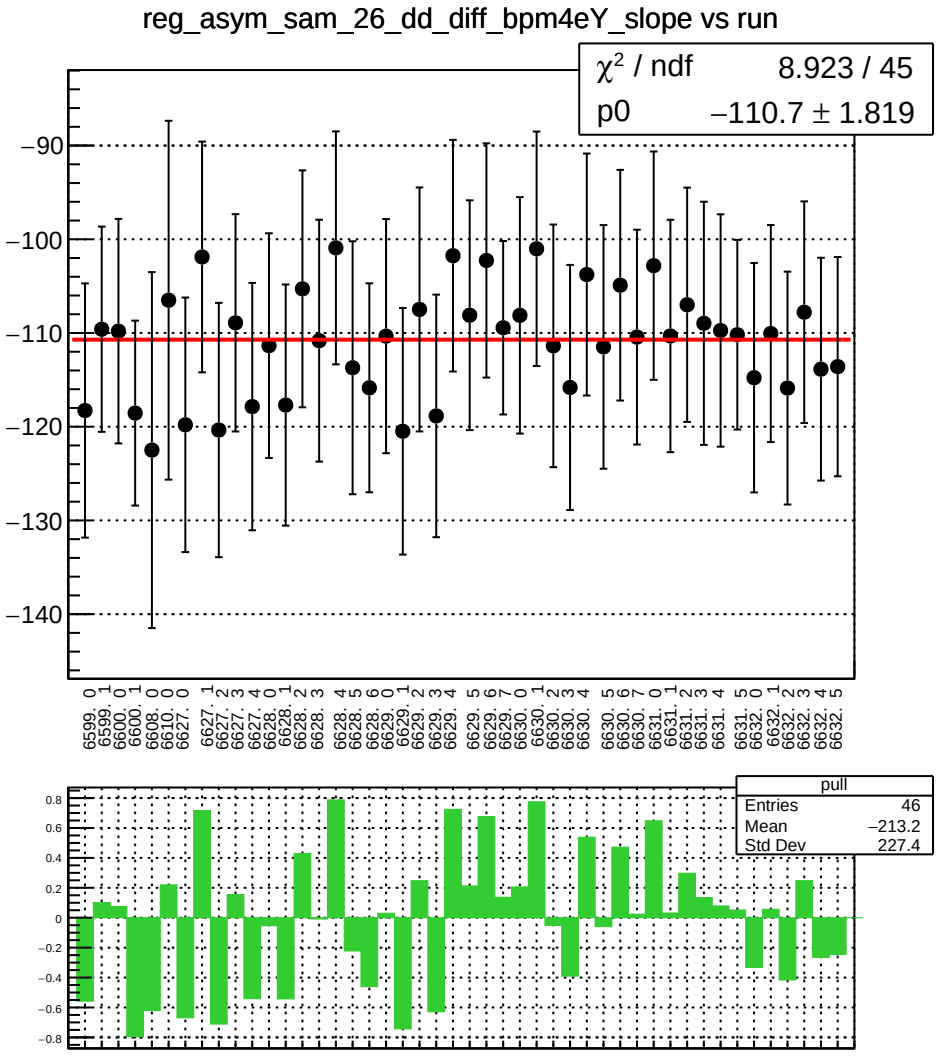

pull1D
Entries 46
Mean 0.003015
Std Dev 0.2082

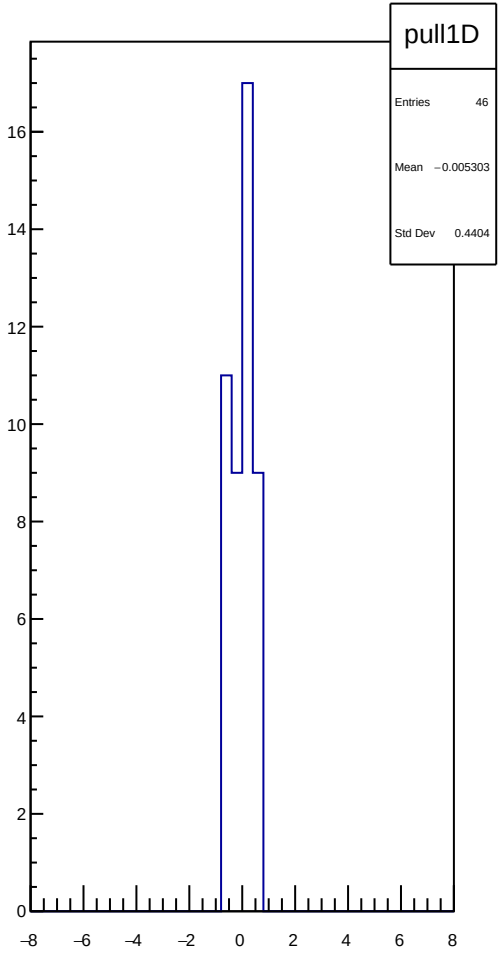

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.917 / 45
p0 −35.9 ± 1.5
pull
Entries 46
Mean −53.54
Std Dev 65.02

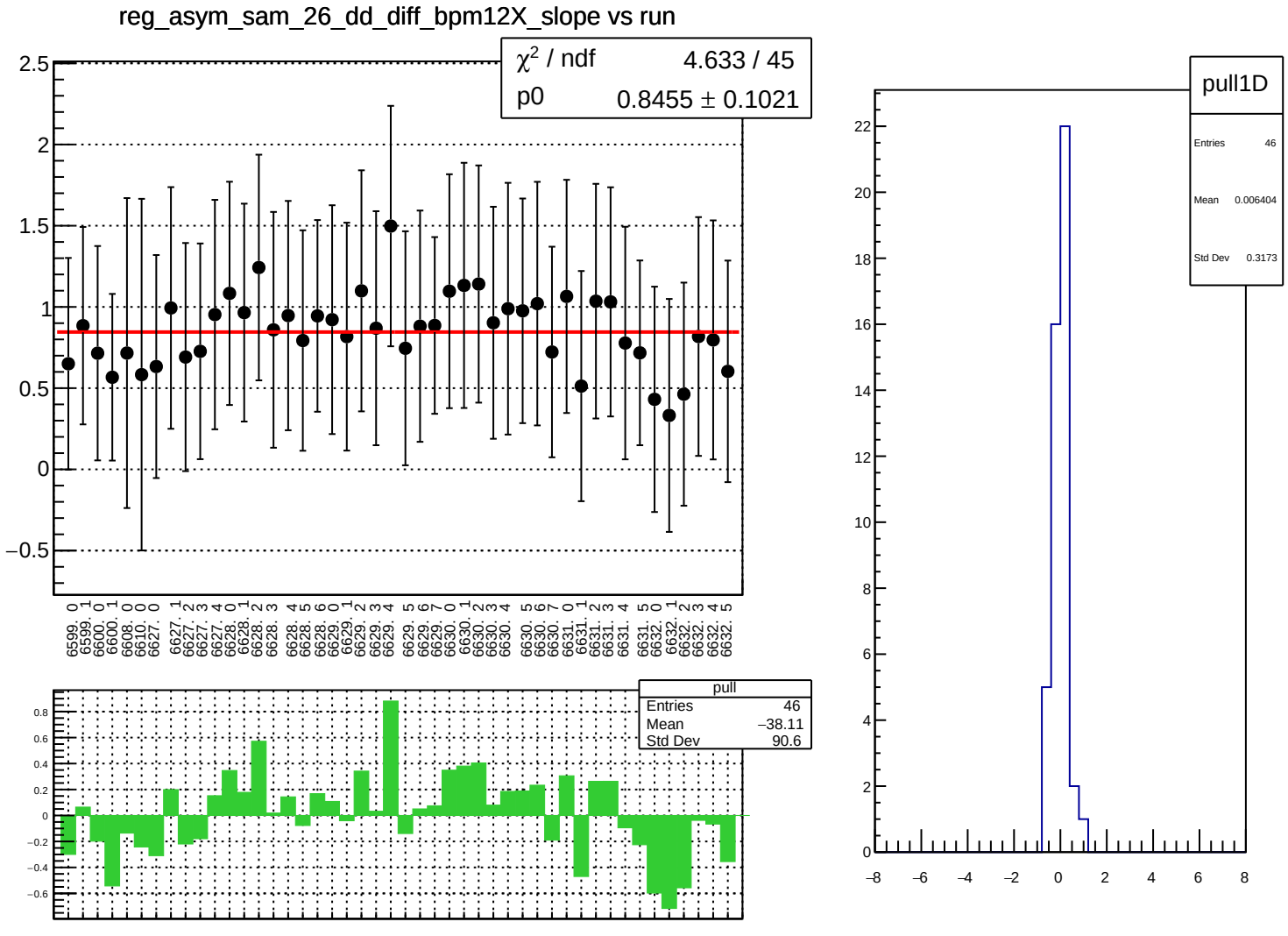

pull1D
Entries 46
Mean 0.01047
Std Dev 0.3268

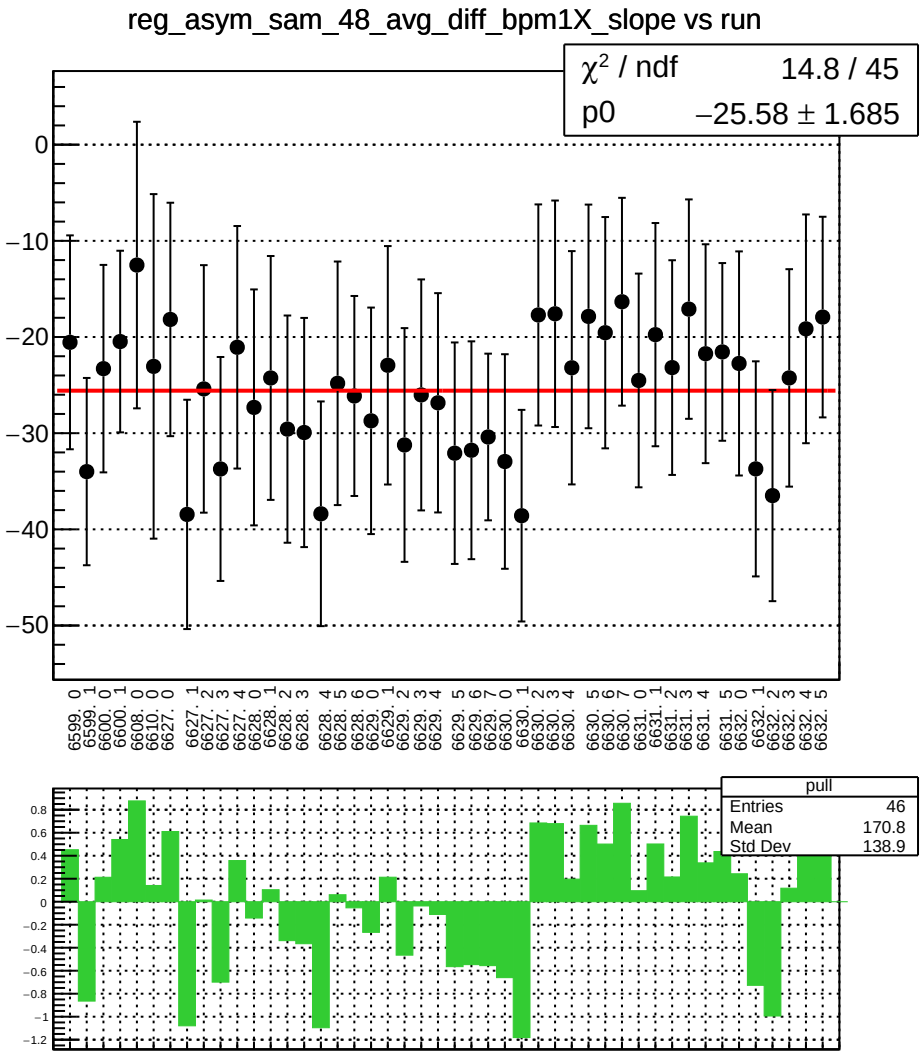

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.326 / 45
p0 −95.09 ± 2.543
pull
Entries 46
Mean −479.5
Std Dev 499.7

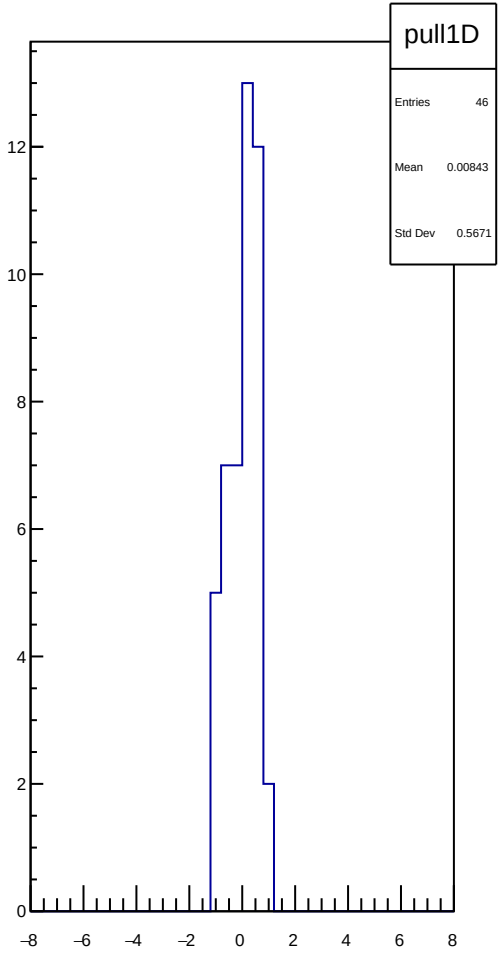

pull1D
Entries 46
Mean −0.003913
Std Dev 0.2248

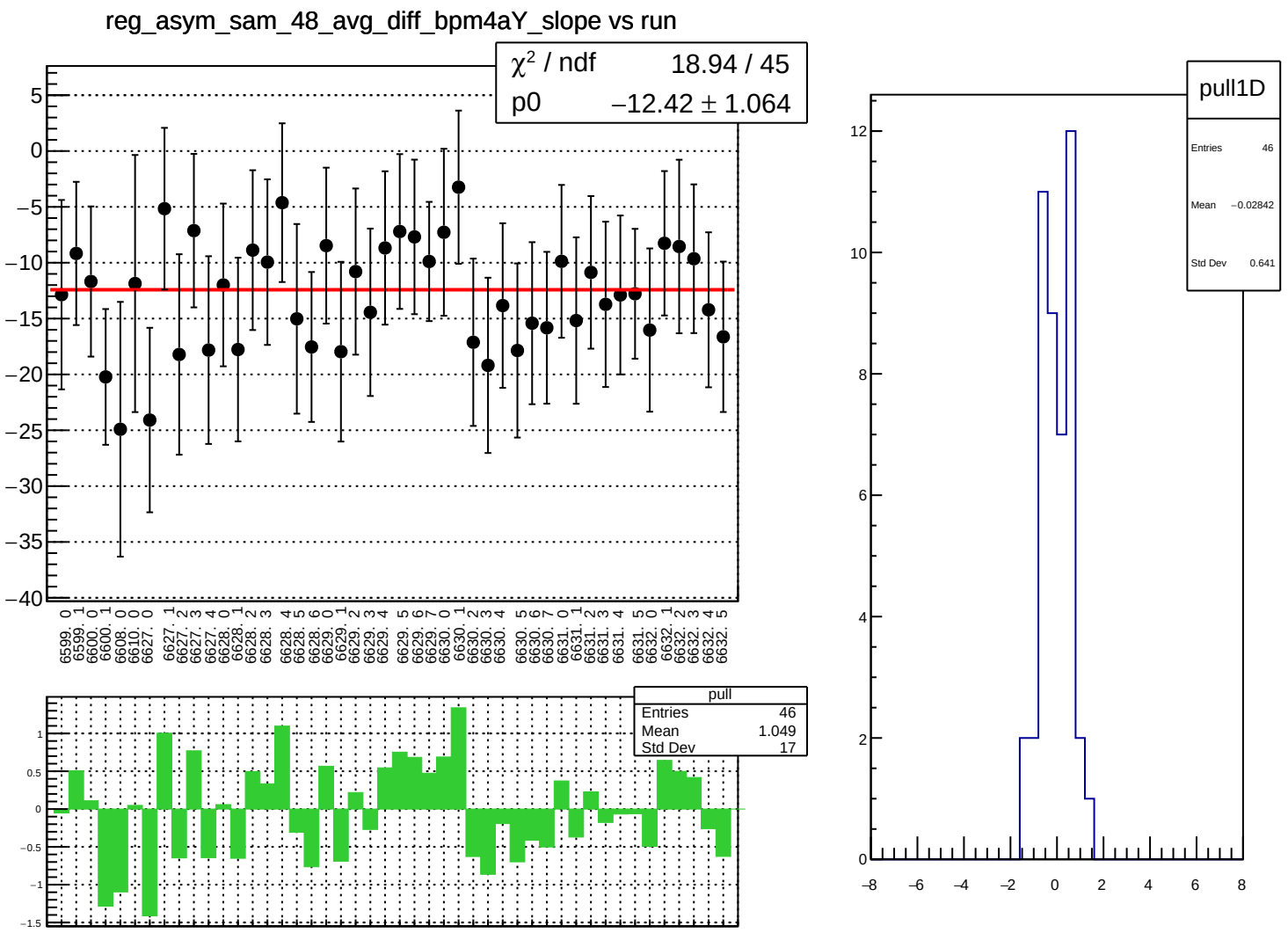

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.923 / 45
p0 −110.7 ± 1.819
pull
Entries 46
Mean −213.2
Std Dev 227.4

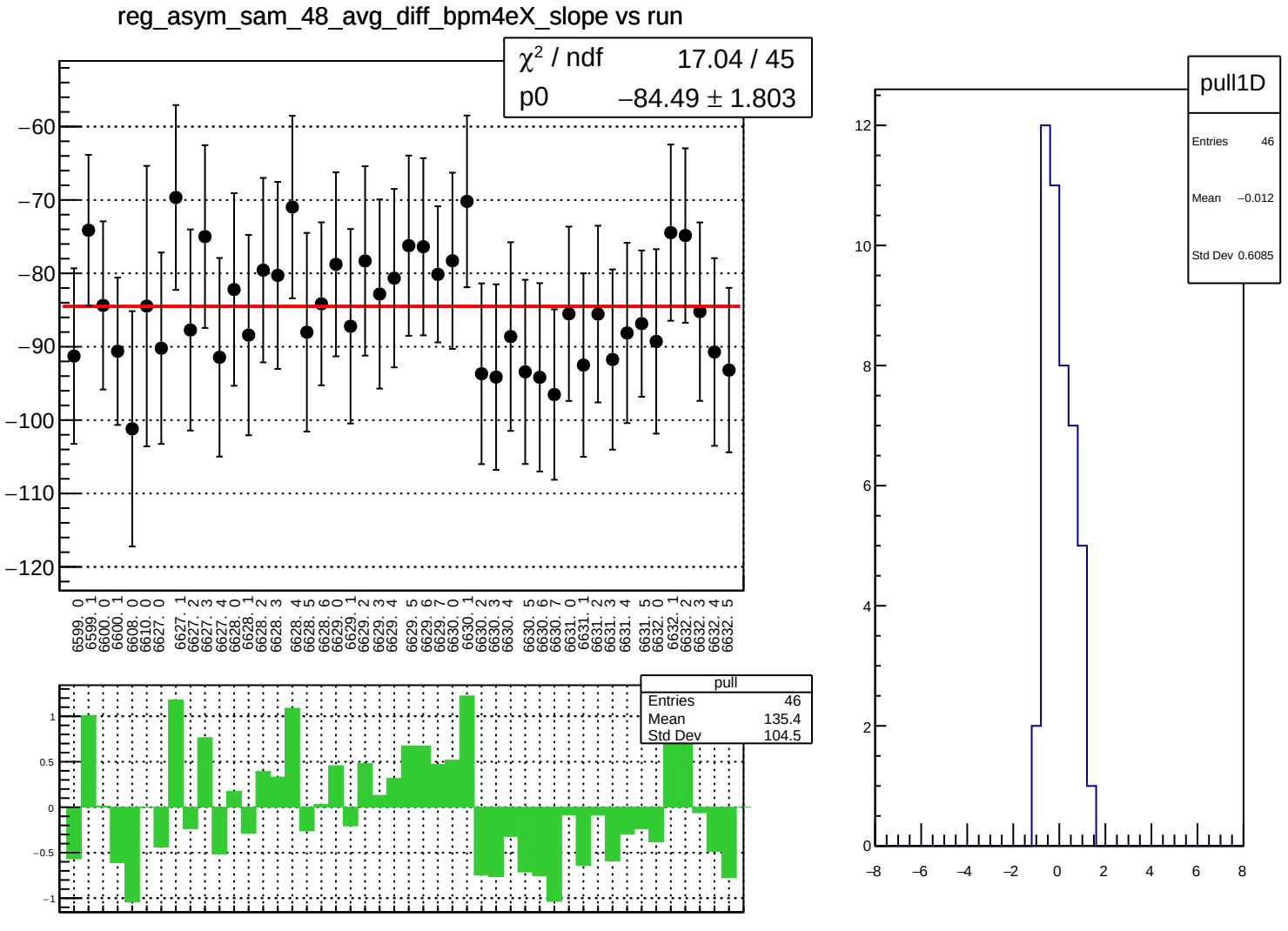

pull1D
Entries 46
Mean −0.005303
Std Dev 0.4404

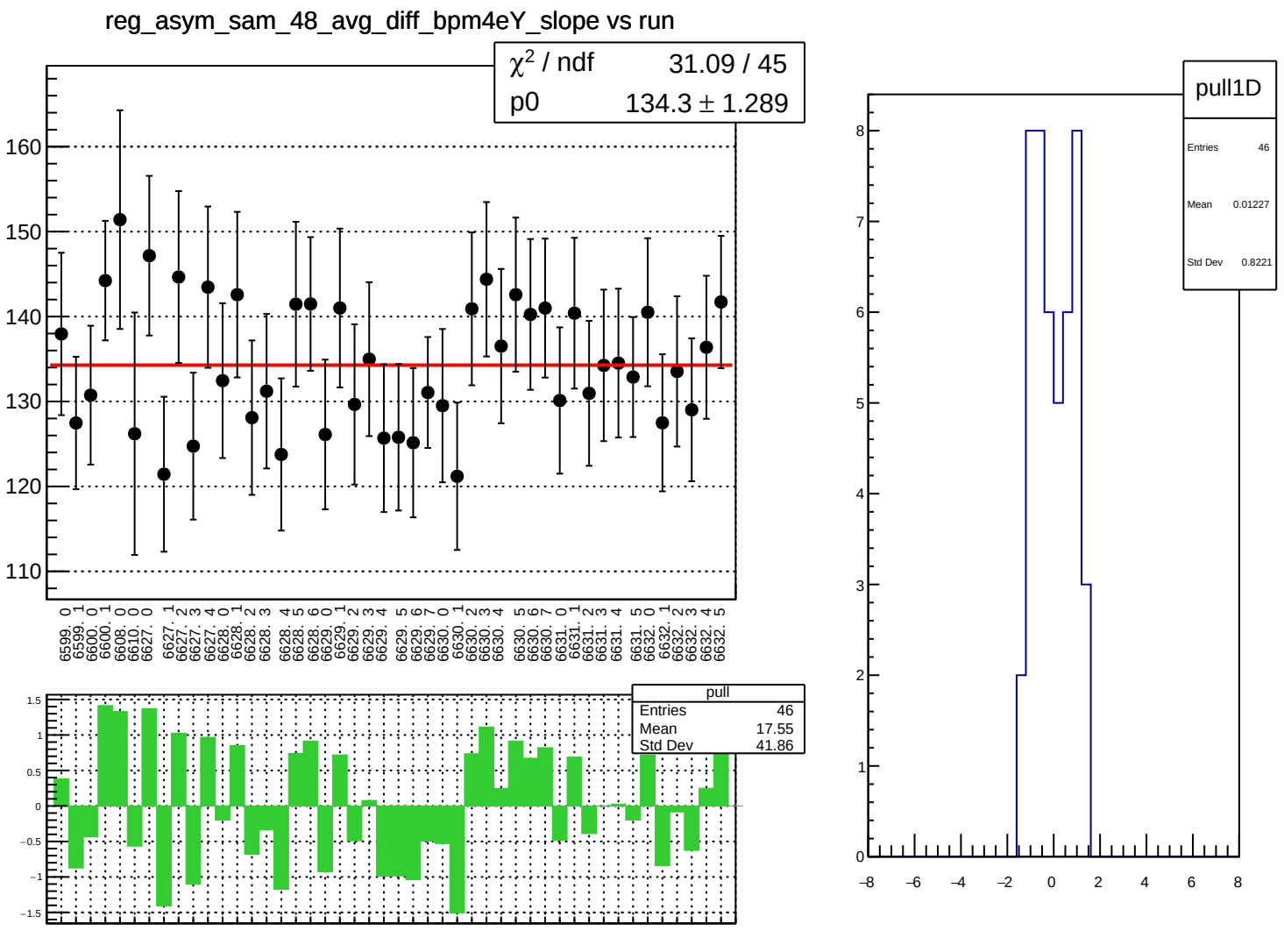

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 4.633 / 45
p0 0.8455 ± 0.1021
pull
Entries 46
Mean −38.11
Std Dev 90.6
pull1D
Entries 46
Mean 0.006404
Std Dev 0.3173

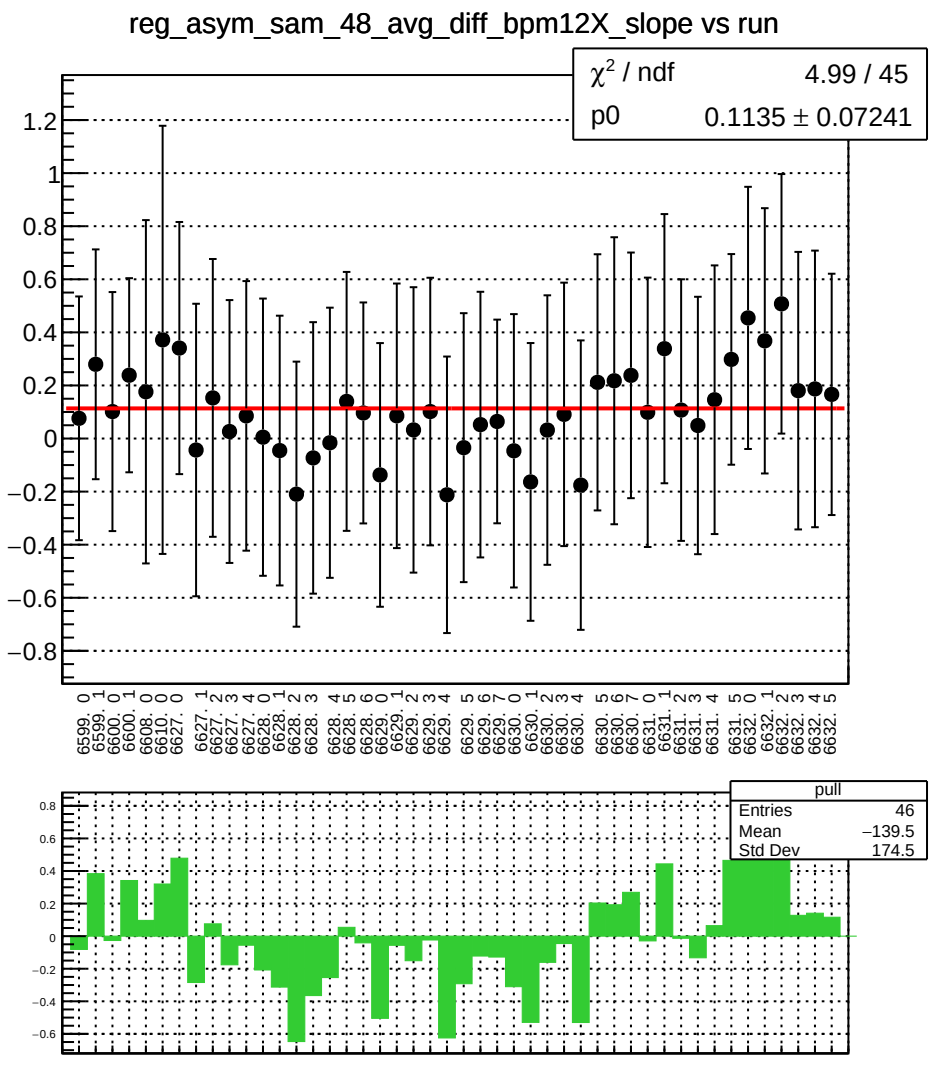

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 14.8 / 45
p0 −25.58 ± 1.685
pull
Entries 46
Mean 170.8
Std Dev 138.9

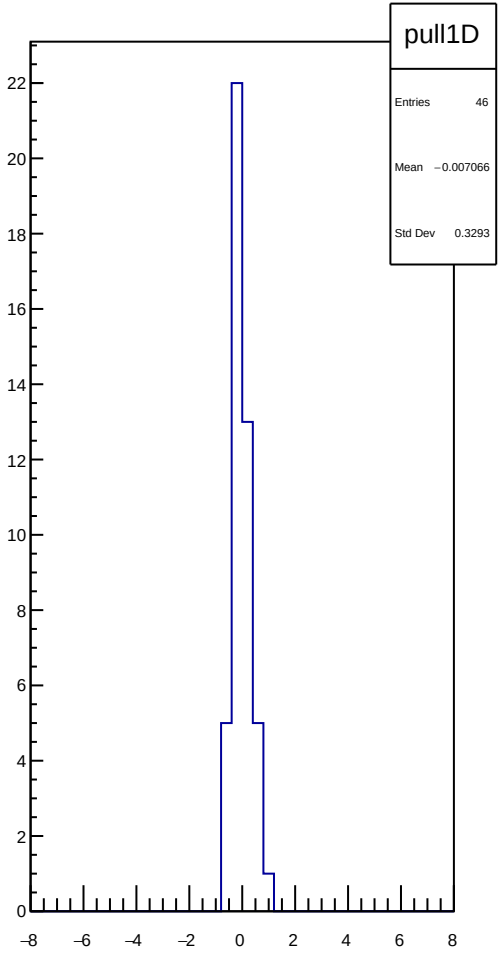

pull1D
Entries 46
Mean 0.00843
Std Dev 0.5671

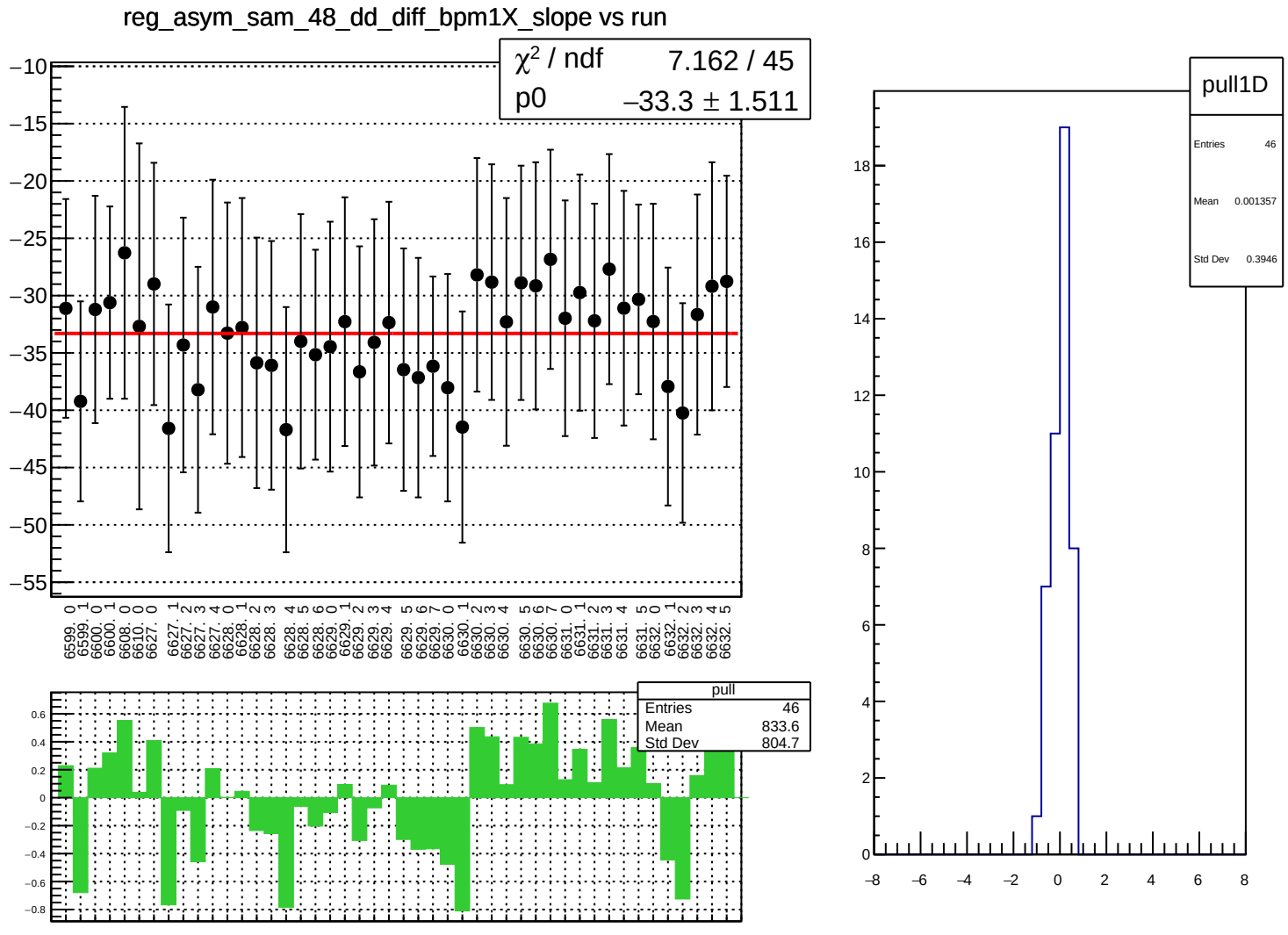

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.94 / 45
p0 −12.42 ± 1.064
pull
Entries 46
Mean 1.049
Std Dev 17
pull1D
Entries 46
Mean −0.02842
Std Dev 0.641

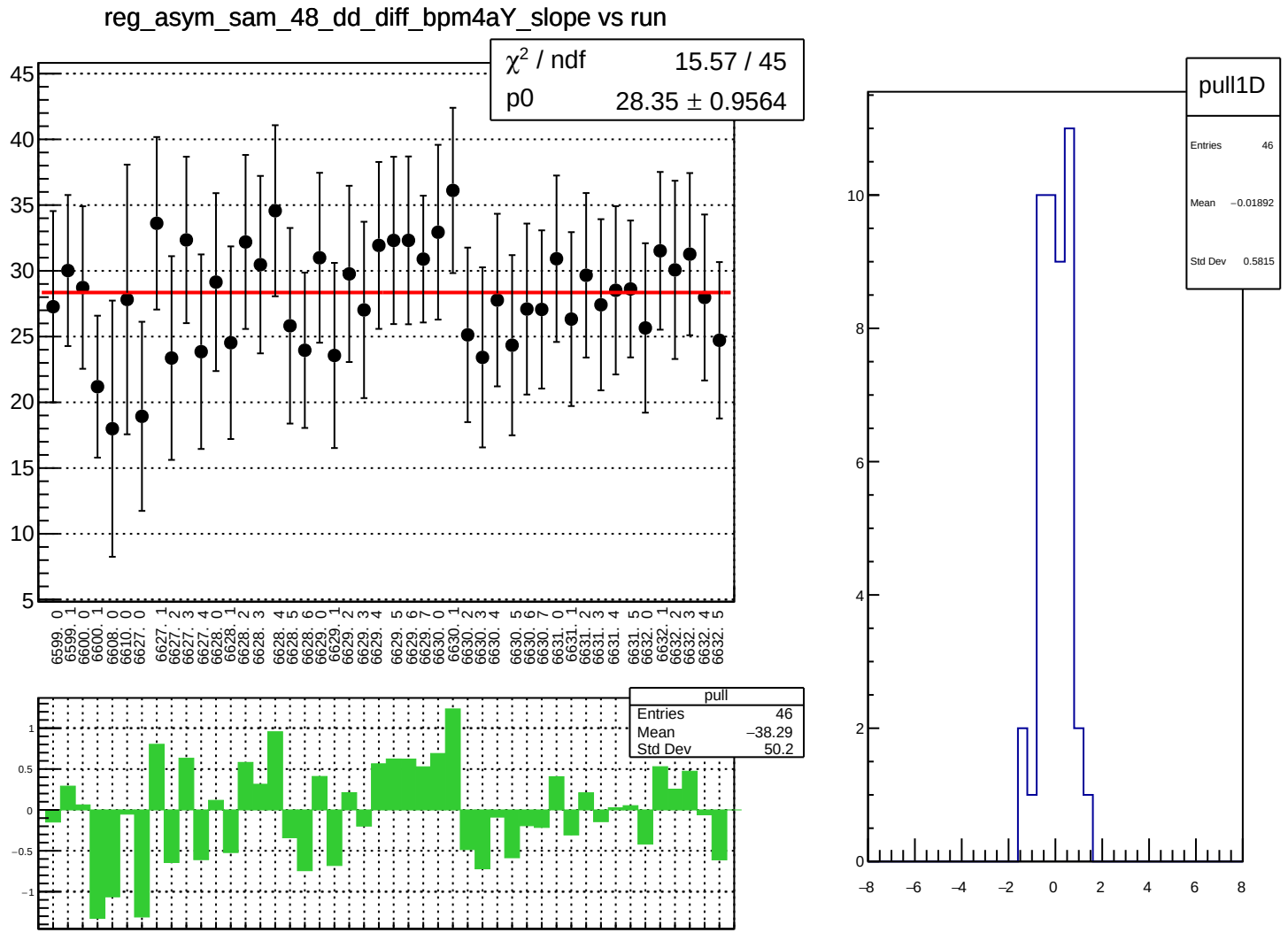

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.04 / 45
p0 −84.49 ± 1.803
pull
Entries 46
Mean 135.4
Std Dev 104.5
pull1D
Entries 46
Mean −0.012
Std Dev 0.6085

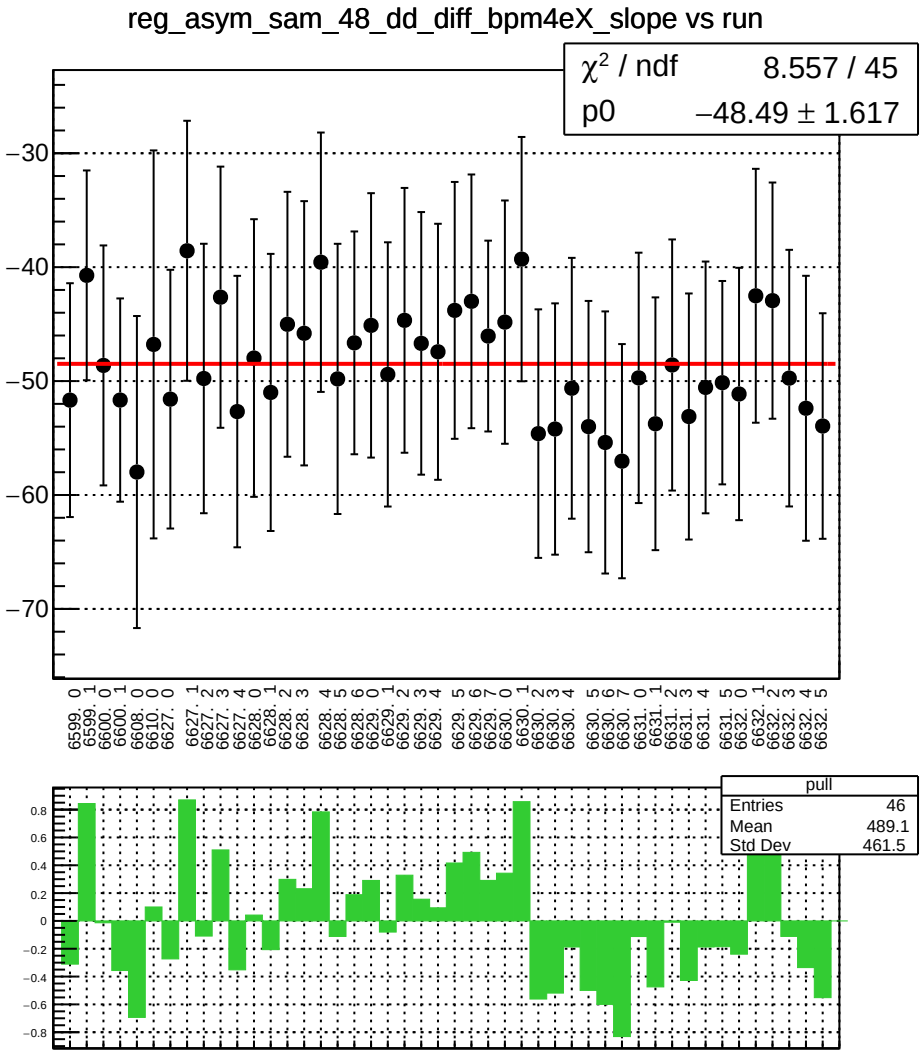

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.09 / 45
p0 134.3 ± 1.289
160
150
140
130
120
110
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6628. 7
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 17.55
Std Dev 41.86
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.01227
Std Dev 0.8221
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

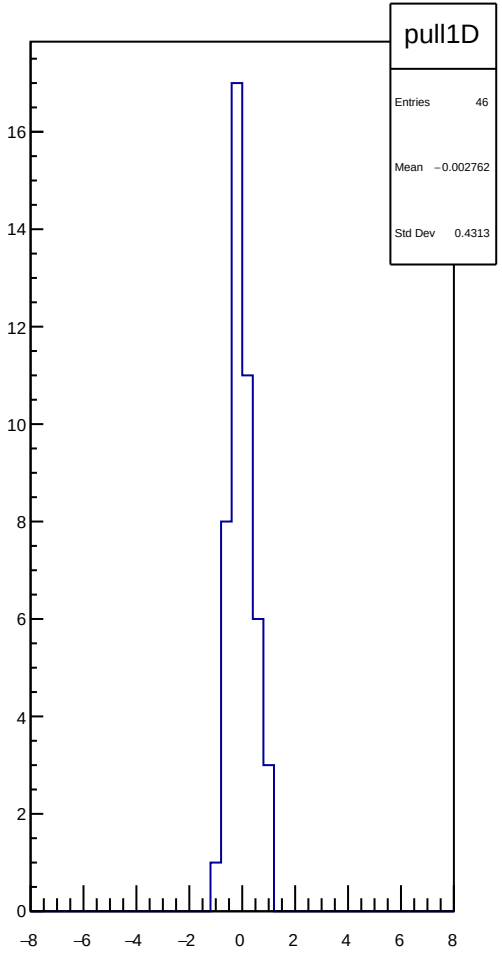

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 4.99 / 45
p0 0.1135 ± 0.07241
pull
Entries 46
Mean −139.5
Std Dev 174.5

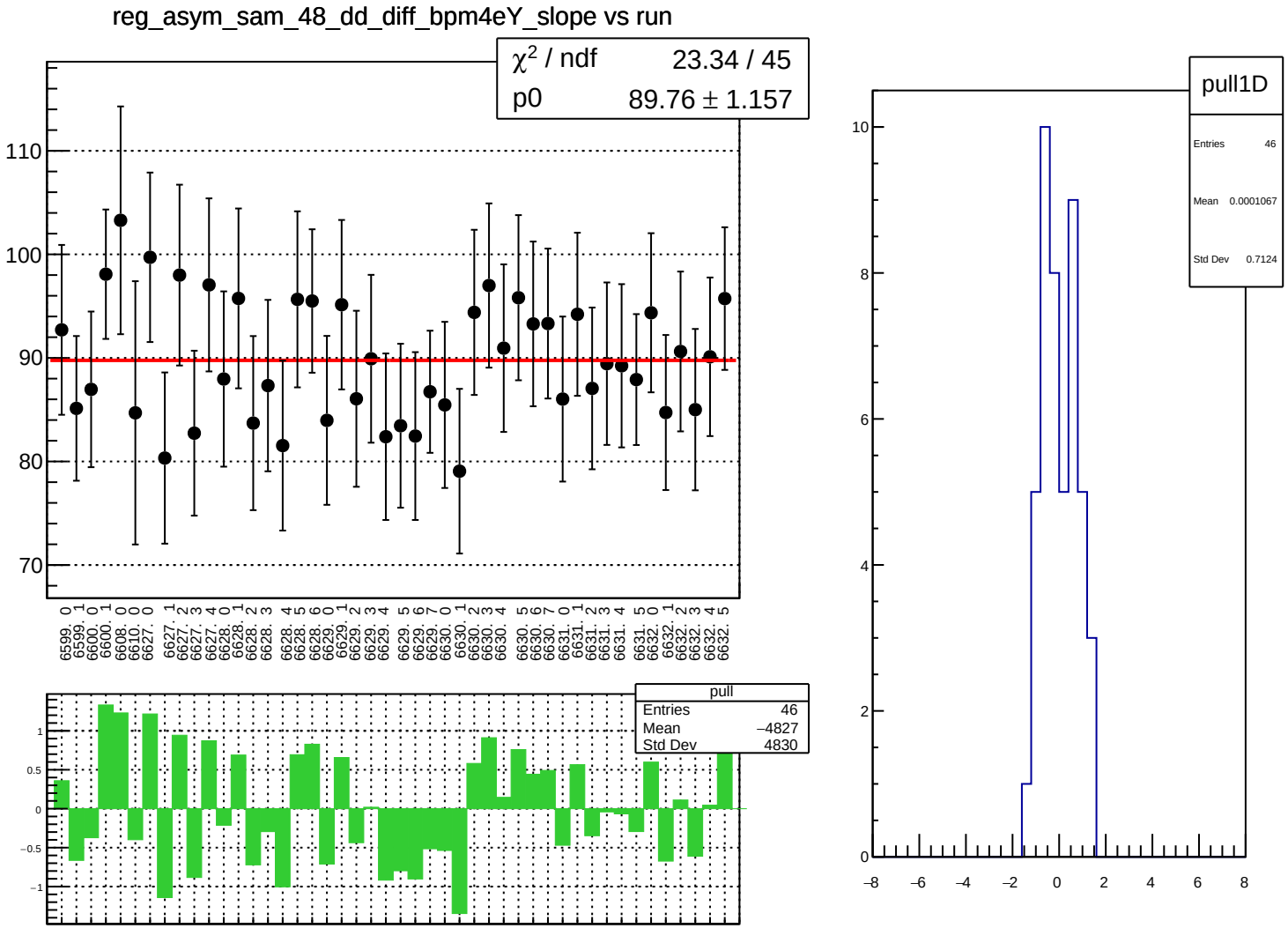

pull1D
Entries 46
Mean −0.007066
Std Dev 0.3293

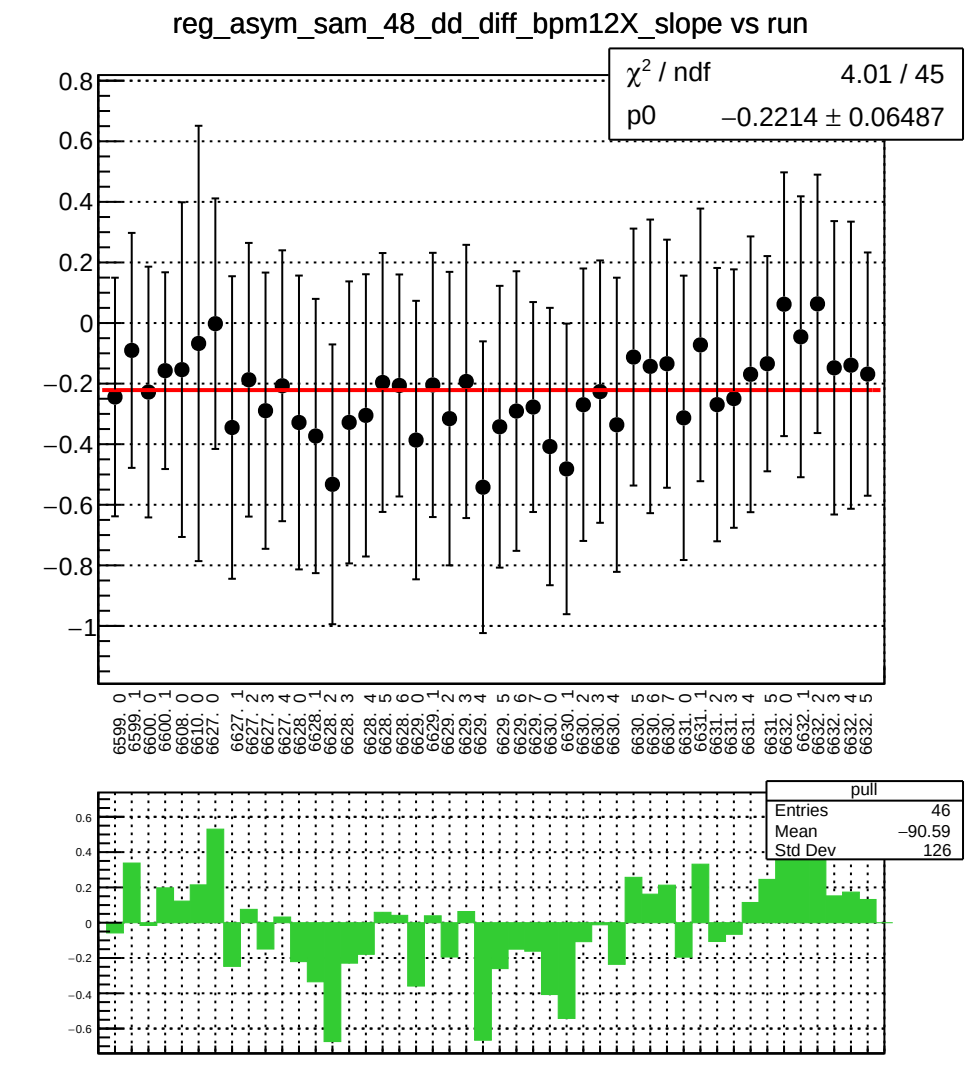

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 7.162 / 45
p0 −33.3 ± 1.511
pull
Entries 46
Mean 833.6
Std Dev 804.7
pull1D
Entries 46
Mean 0.001357
Std Dev 0.3946

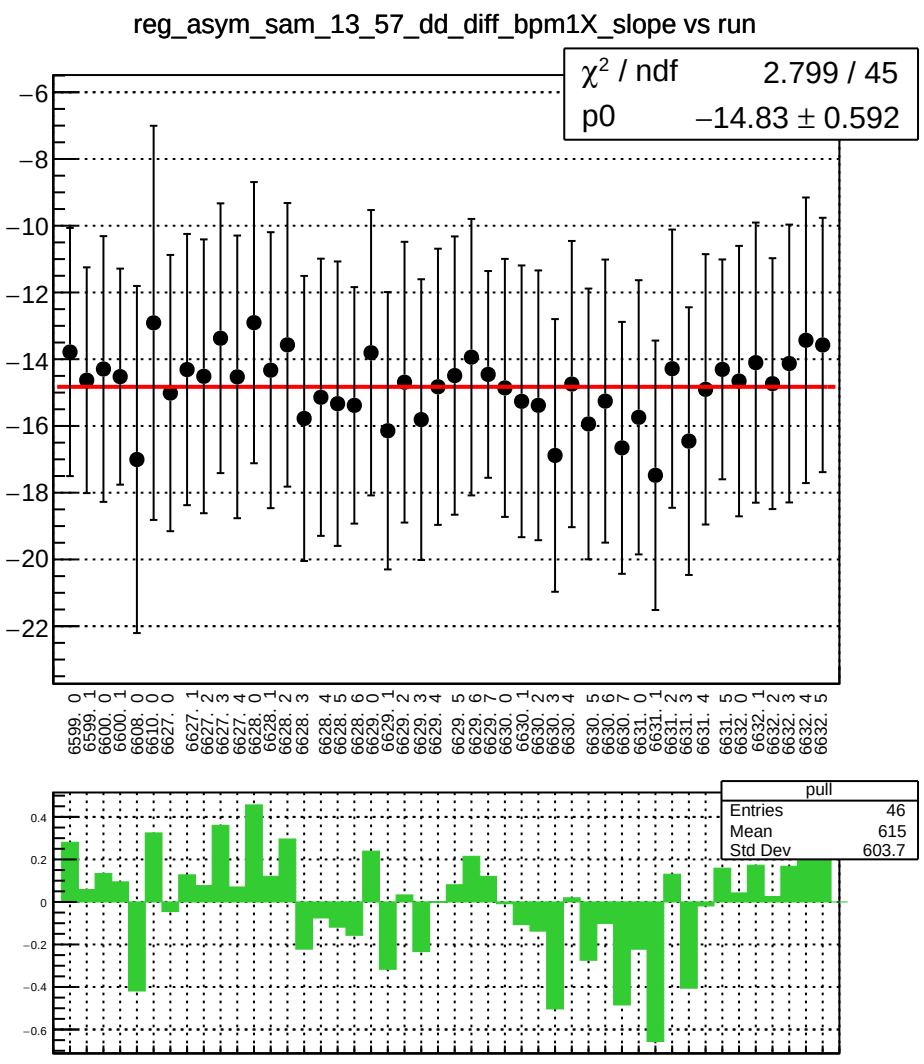

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.57 / 45
p0 28.35 ± 0.9564
pull
Entries 46
Mean −38.29
Std Dev 50.2
pull1D
Entries 46
Mean −0.01892
Std Dev 0.5815

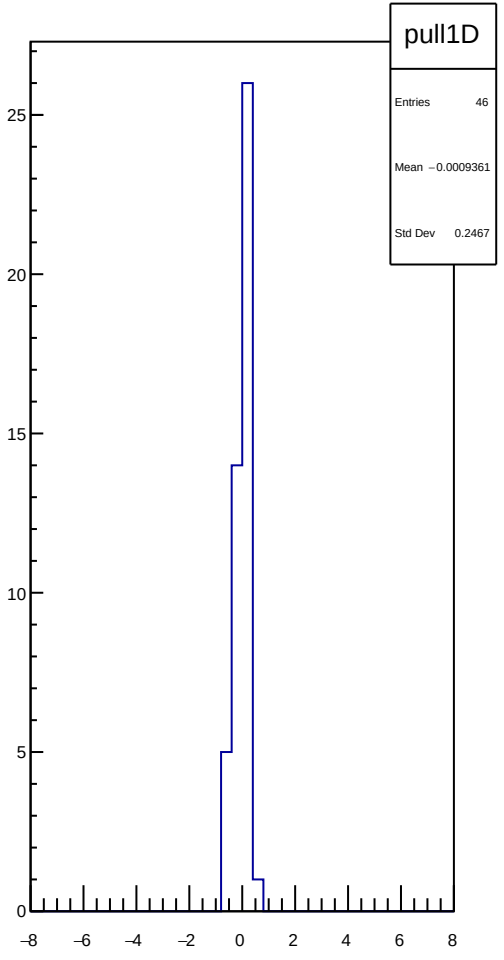

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.557 / 45
p0 −48.49 ± 1.617
−30
−40
−50
−60
−70
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 489.1
Std Dev 461.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

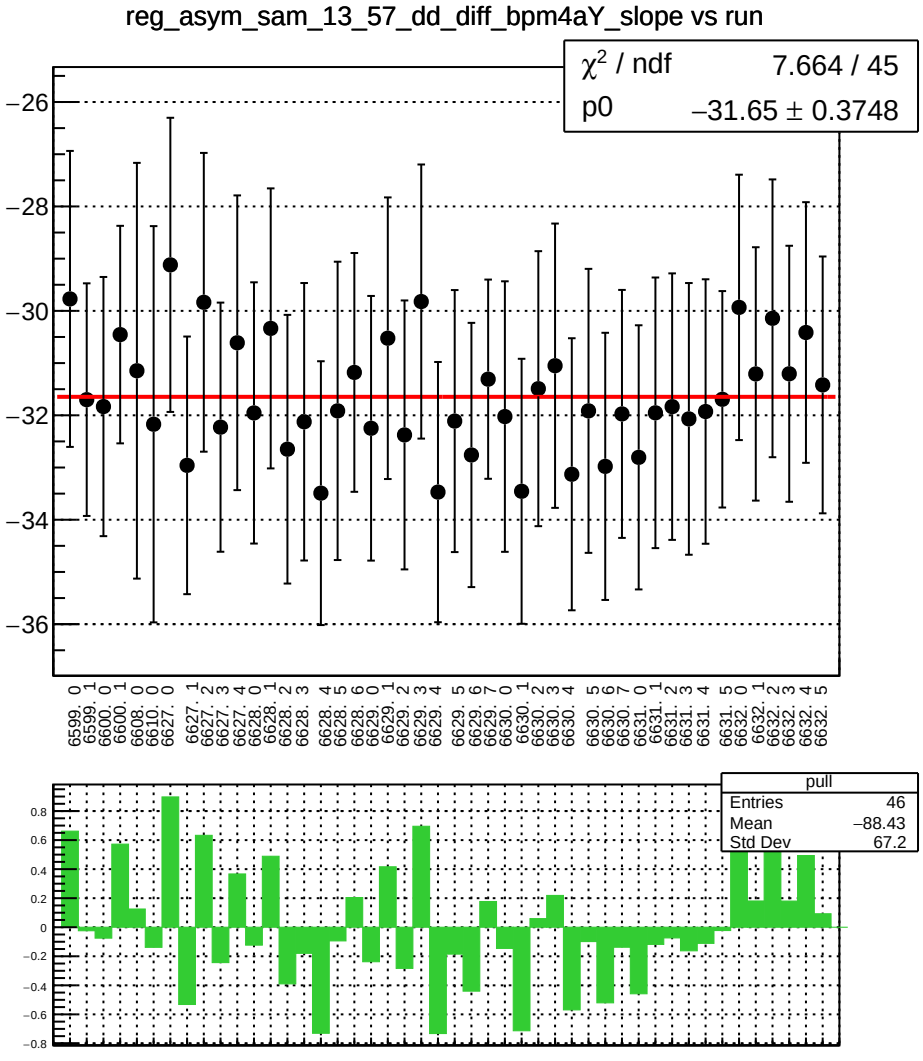

pull1D
Entries 46
Mean −0.002762
Std Dev 0.4313
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

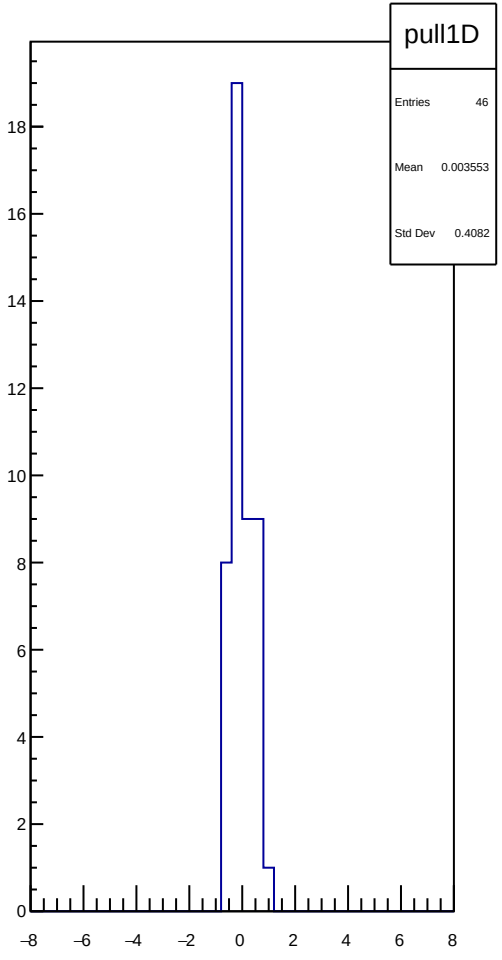

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.34 / 45
p0 89.76 ± 1.157
110
100
90
80
70
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −4827
Std Dev 4830
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.0001067
Std Dev 0.7124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

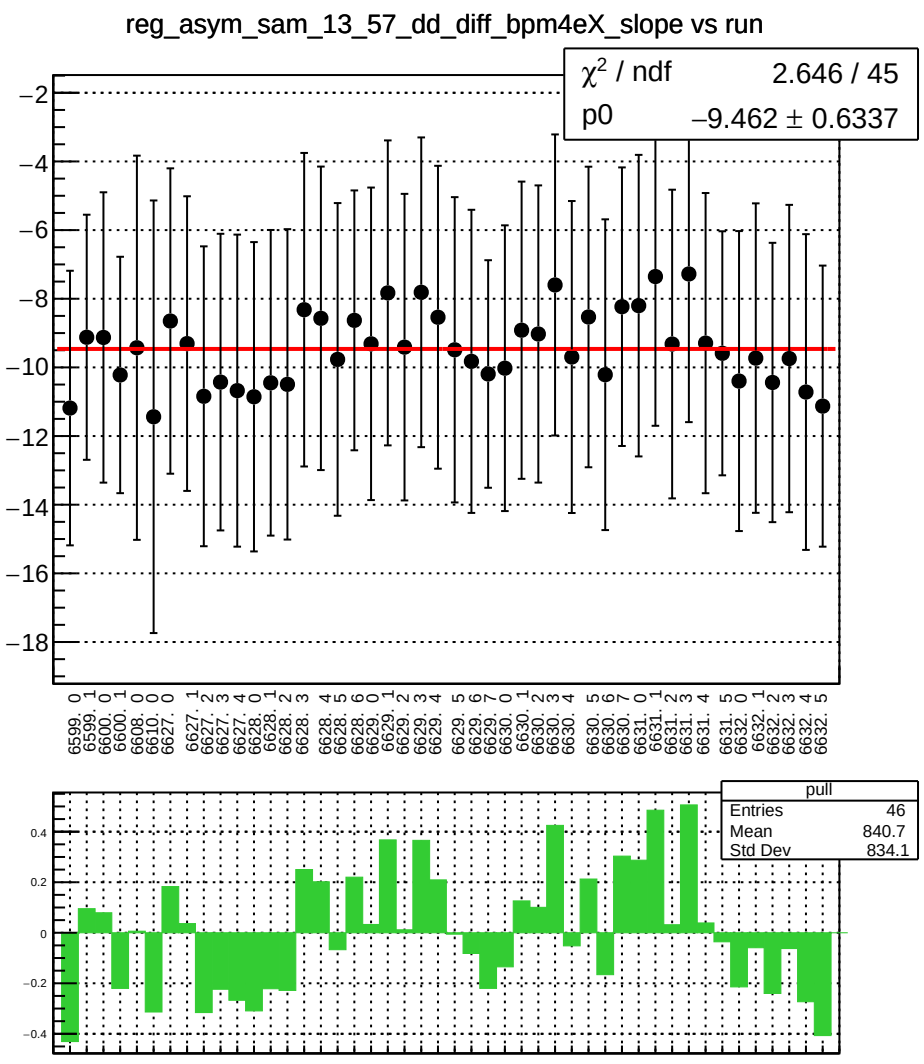

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.01 / 45
p0 −0.2214 ± 0.06487
pull
Entries 46
Mean −90.59
Std Dev 126
pull1D
Entries 46
Mean −0.008209
Std Dev 0.2951

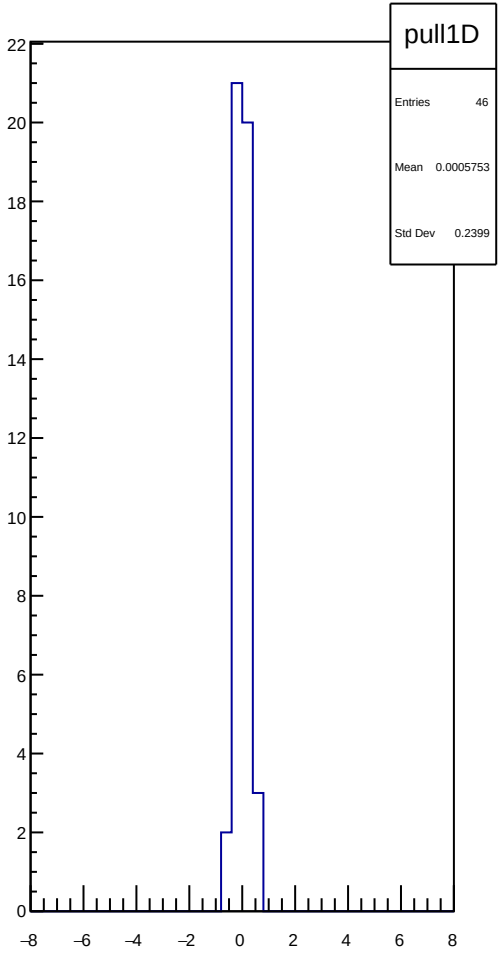

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 2.799 / 45
p0 −14.83 ± 0.592
pull
Entries 46
Mean 615
Std Dev 603.7

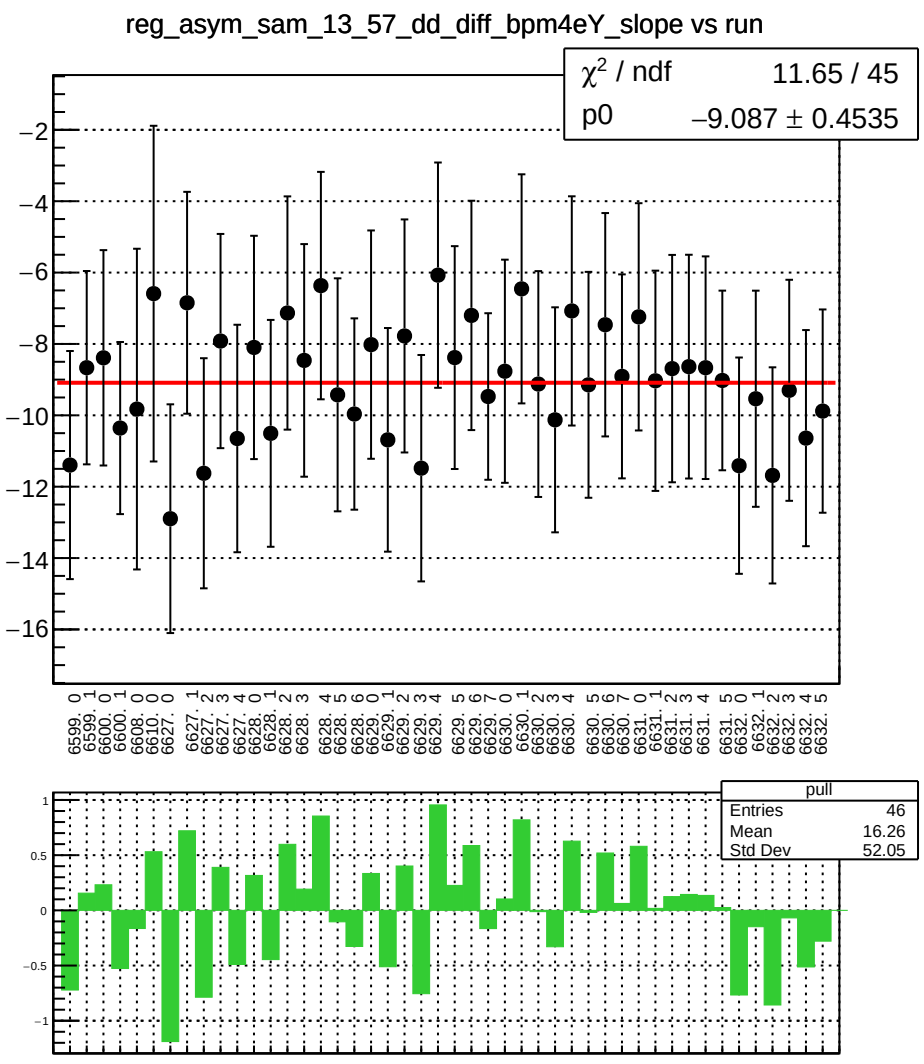

pull1D
Entries 46
Mean −0.0009361
Std Dev 0.2467

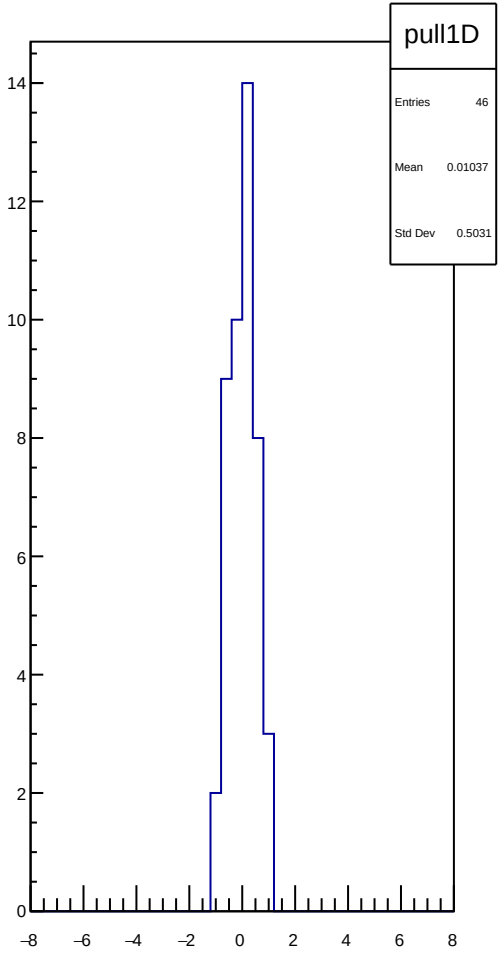

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.664 / 45
p0 −31.65 ± 0.3748
−26
−28
−30
−32
−34
−36
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −88.43
Std Dev 67.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

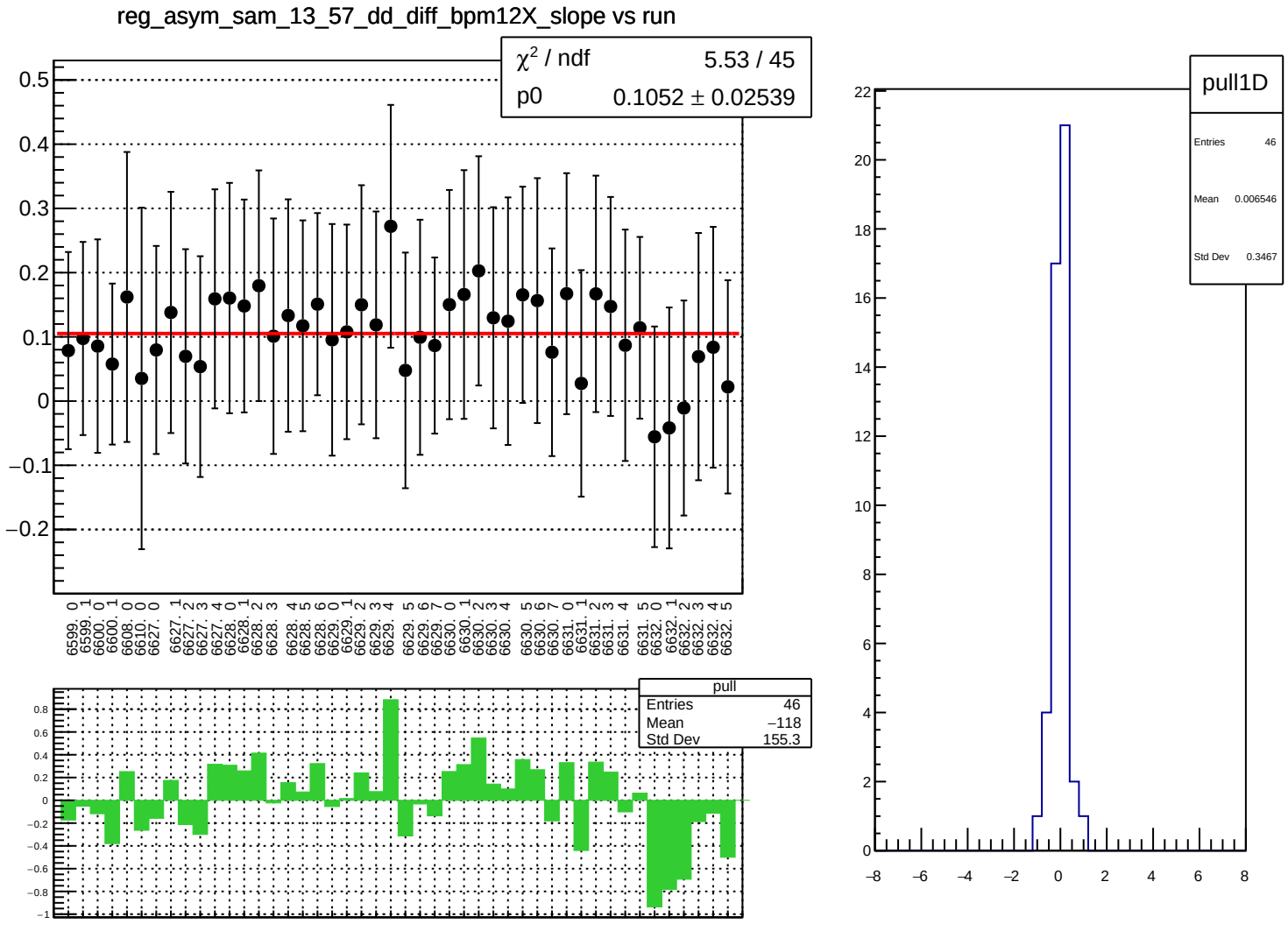

pull1D
Entries 46
Mean 0.003553
Std Dev 0.4082
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

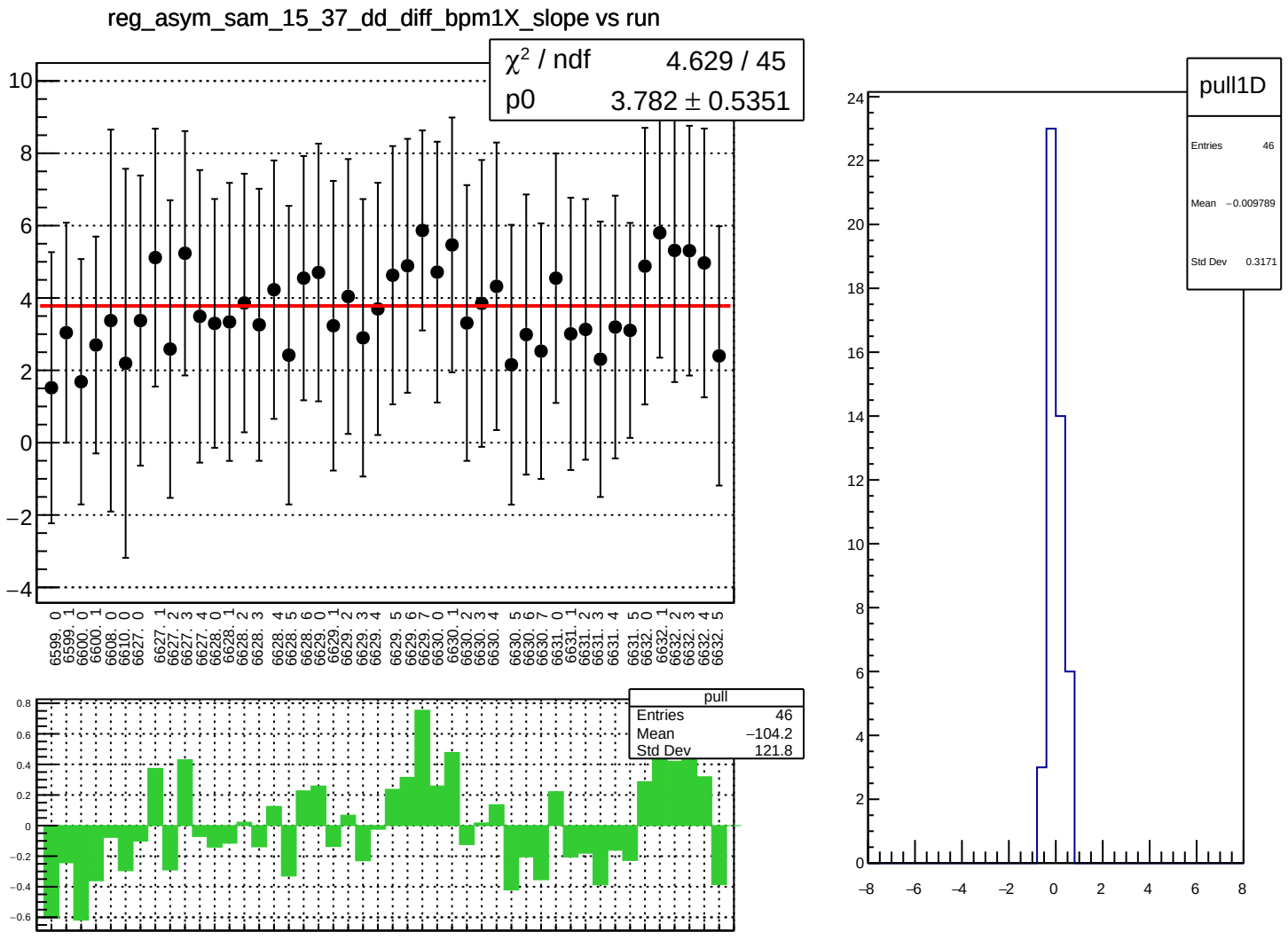

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.646 / 45
p0 −9.462 ± 0.6337
pull
Entries 46
Mean 840.7
Std Dev 834.1

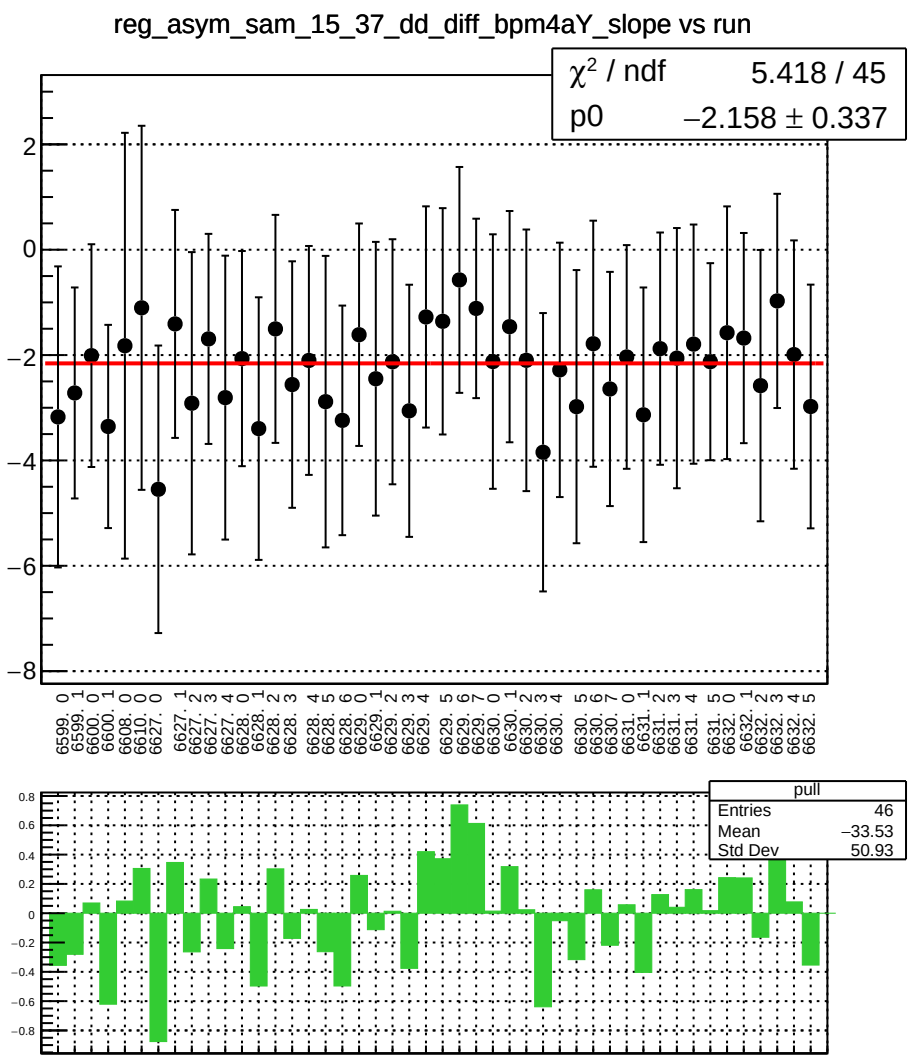

pull1D
Entries 46
Mean 0.0005753
Std Dev 0.2399

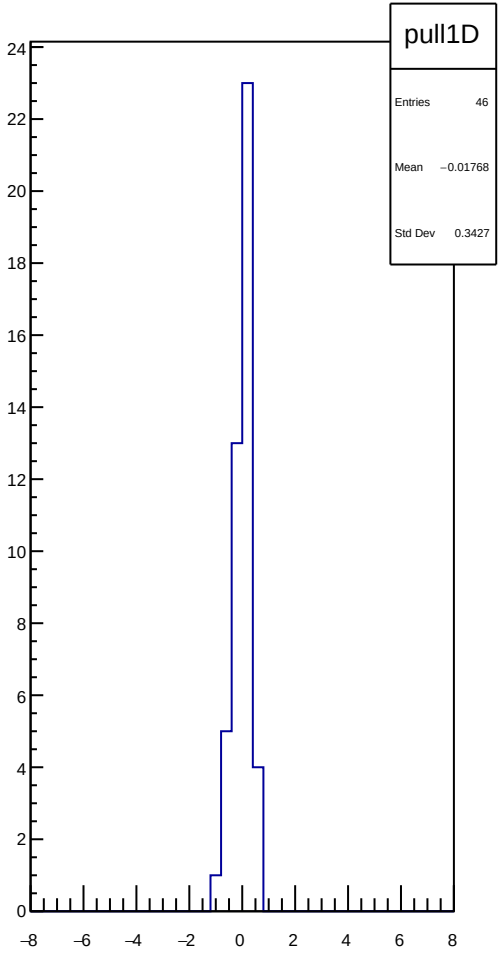

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.65 / 45
p0 −9.087 ± 0.4535
pull
Entries 46
Mean 16.26
Std Dev 52.05

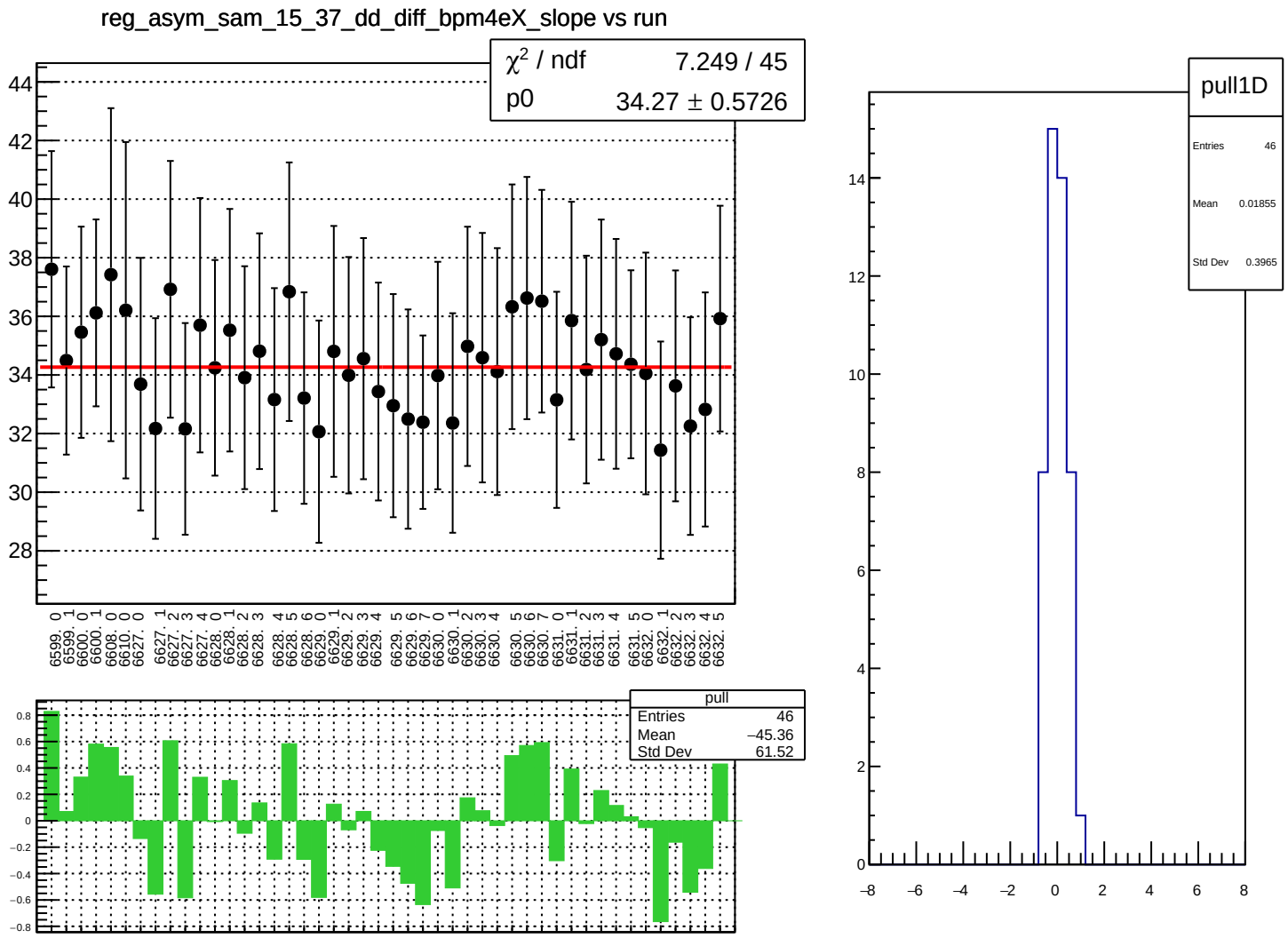

pull1D
Entries 46
Mean 0.01037
Std Dev 0.5031

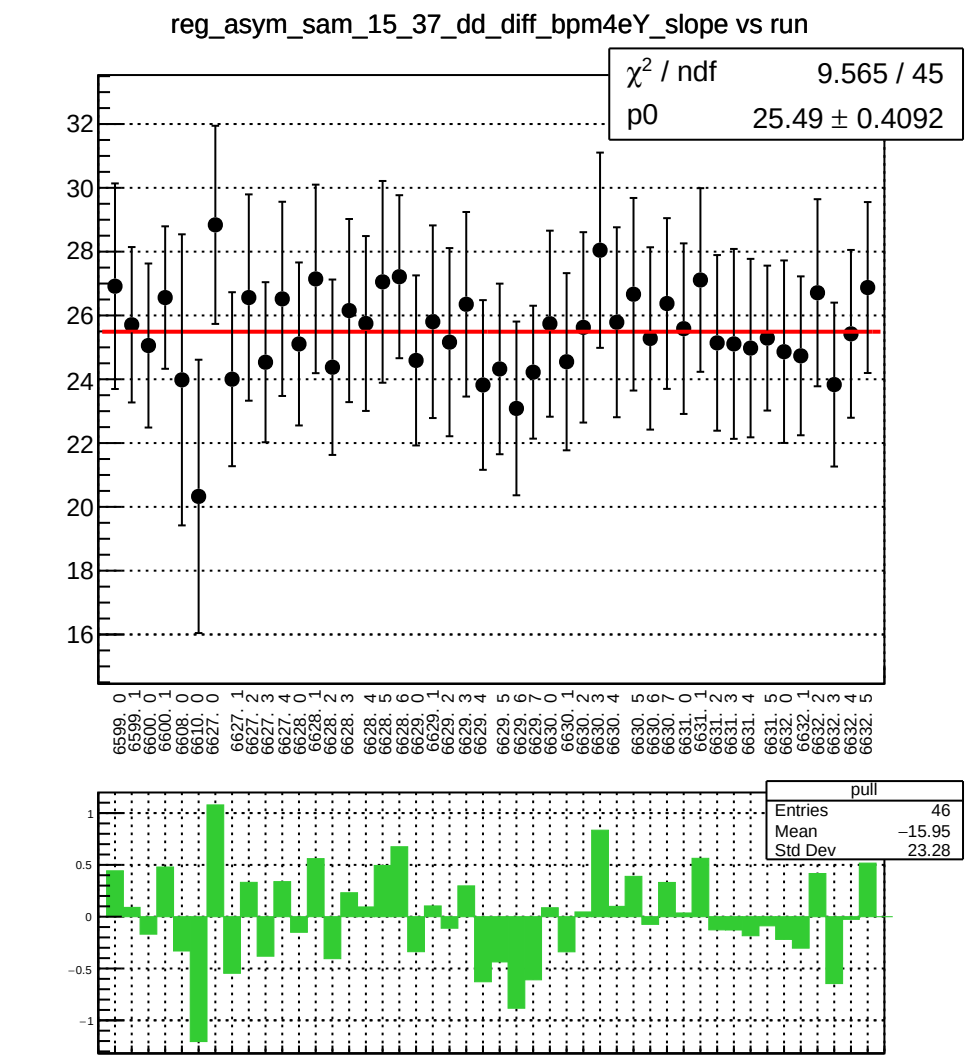

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 5.53 / 45
p0 0.1052 ± 0.02539
pull
Entries 46
Mean −118
Std Dev 155.3
pull1D
Entries 46
Mean 0.006546
Std Dev 0.3467

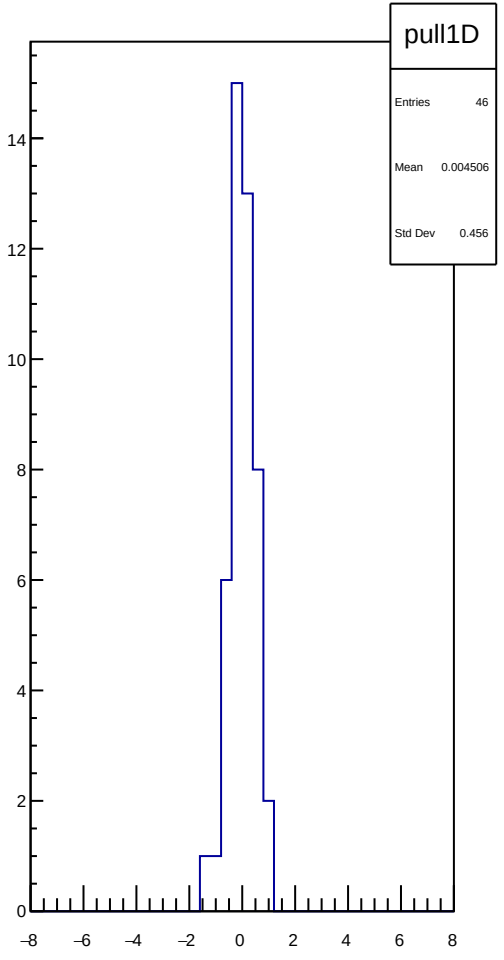

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.629 / 45
p0 3.782 ± 0.5351
pull
Entries 46
Mean −104.2
Std Dev 121.8
pull1D
Entries 46
Mean −0.009789
Std Dev 0.3171

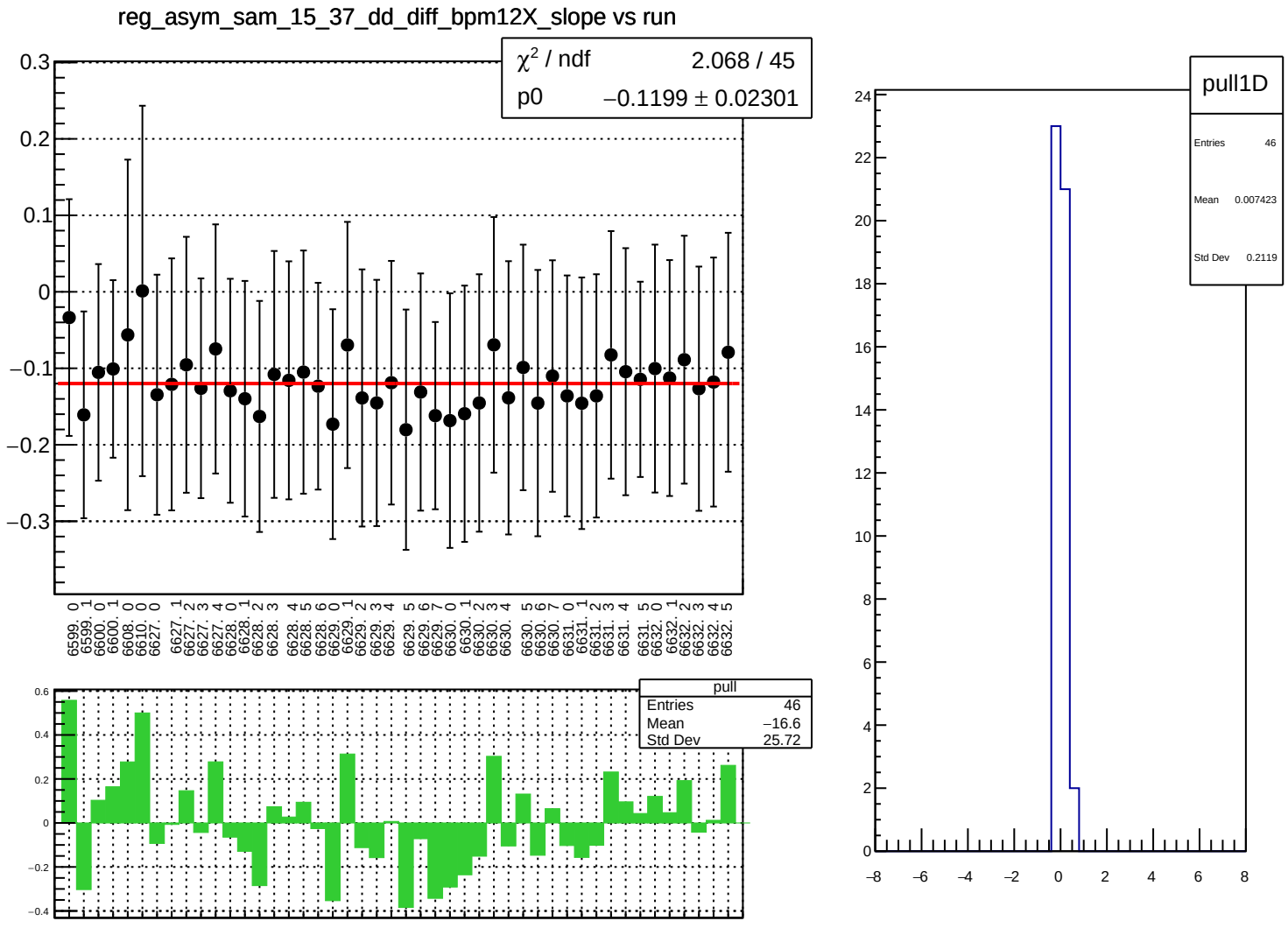

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.418 / 45
p0 −2.158 ± 0.337
pull
Entries 46
Mean −33.53
Std Dev 50.93

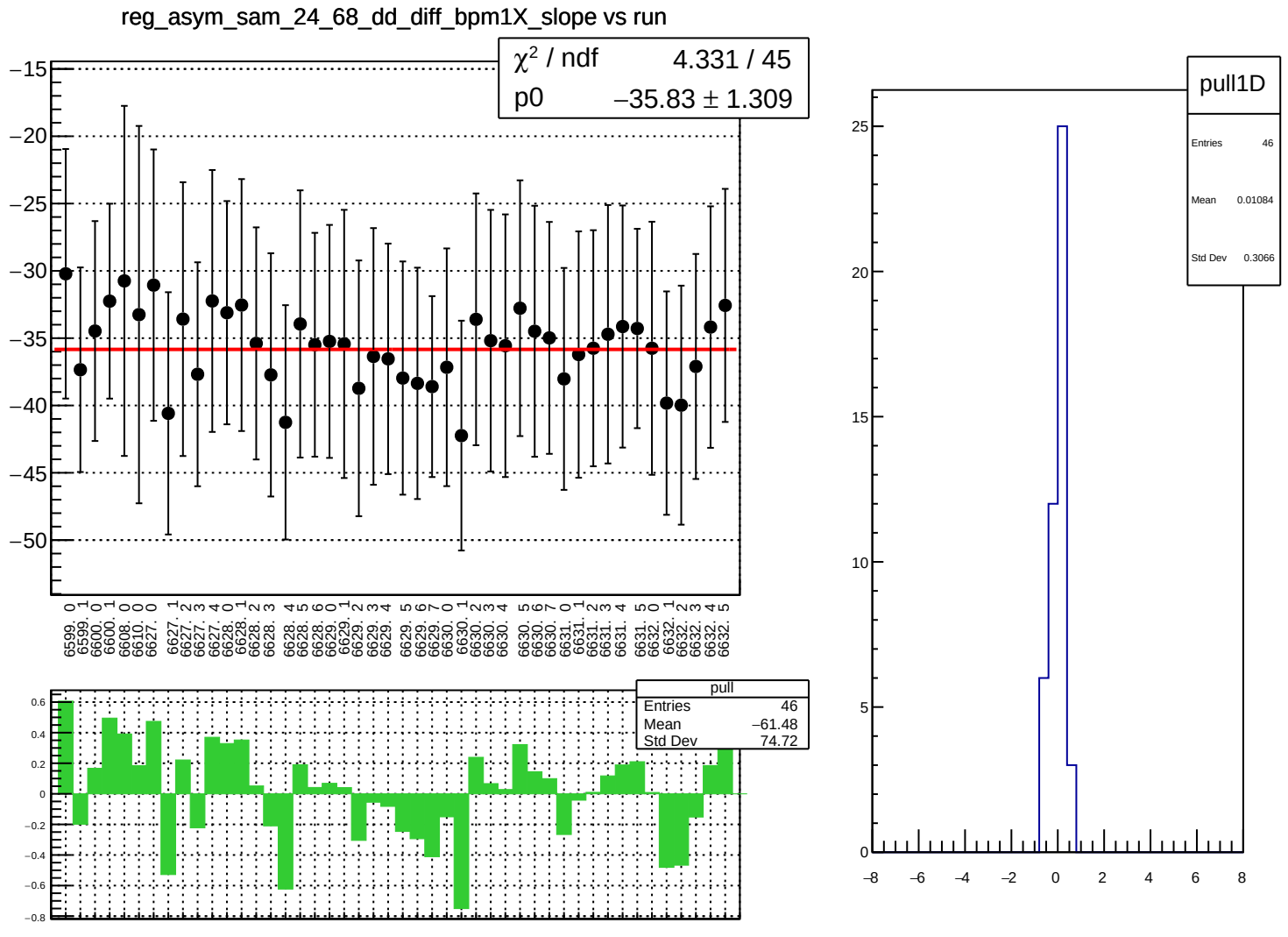

pull1D
Entries 46
Mean −0.01768
Std Dev 0.3427

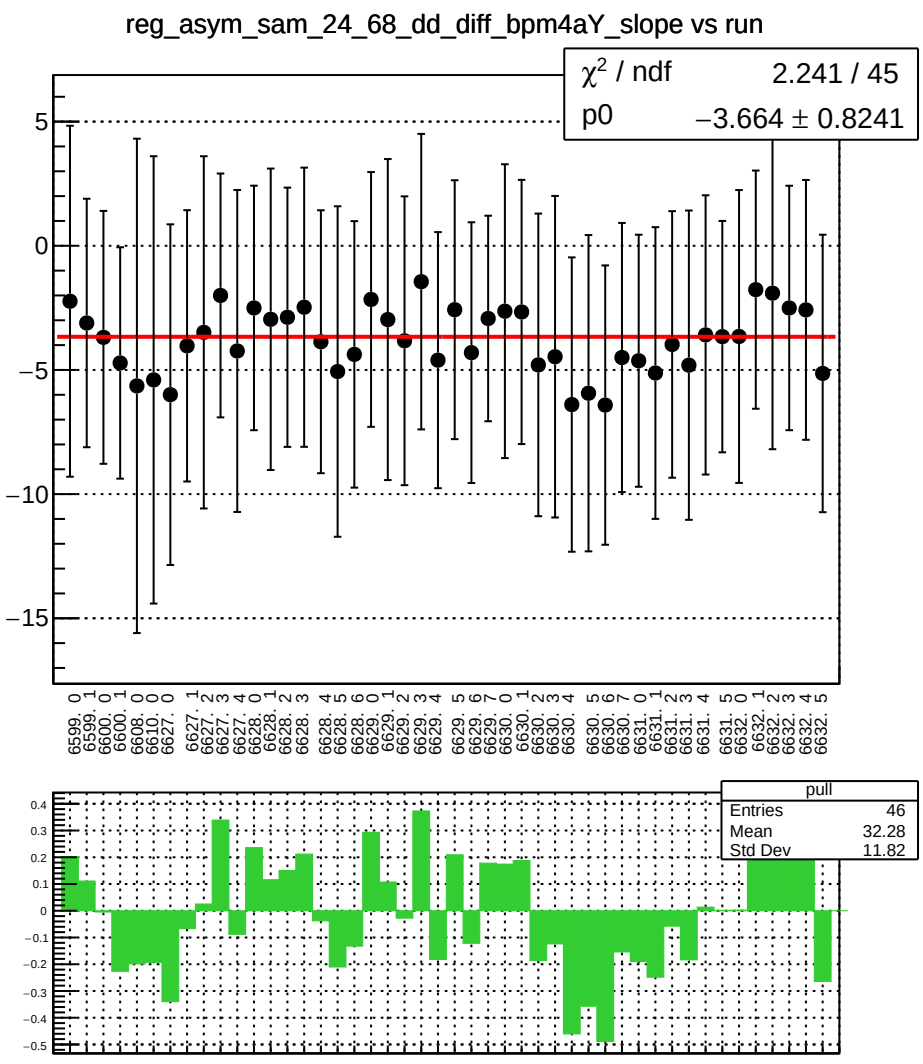

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.249 / 45
p0 34.27 ± 0.5726
pull
Entries 46
Mean −45.36
Std Dev 61.52
pull1D
Entries 46
Mean 0.01855
Std Dev 0.3965

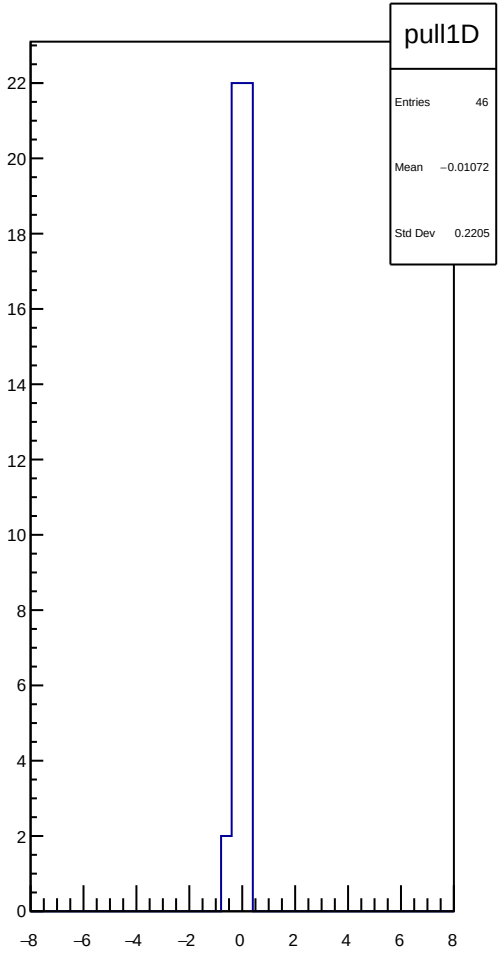

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.565 / 45
p0 25.49 ± 0.4092
pull
Entries 46
Mean −15.95
Std Dev 23.28

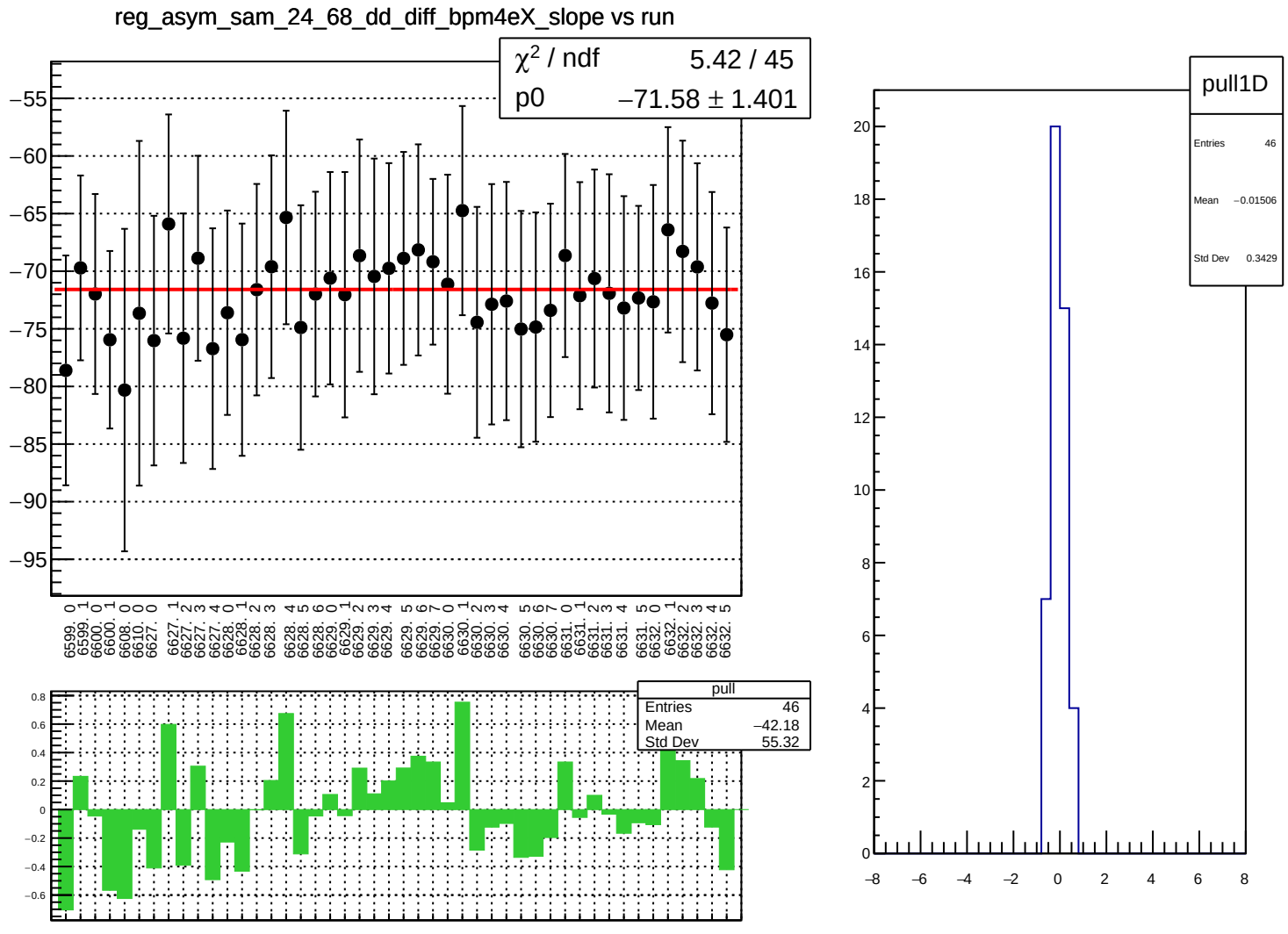

pull1D
Entries 46
Mean 0.004506
Std Dev 0.456

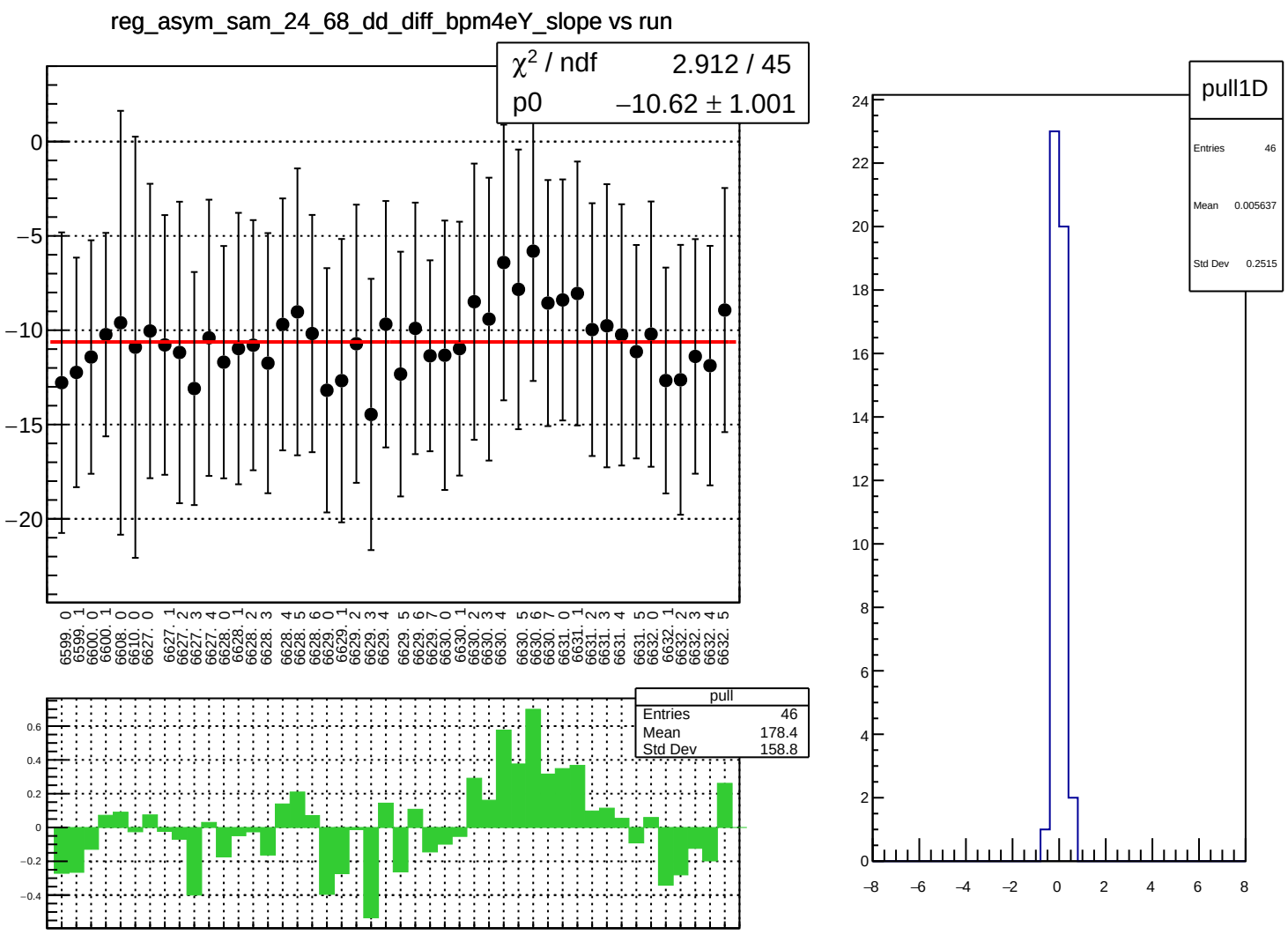

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.068 / 45
p0 −0.1199 ± 0.02301
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −16.6
Std Dev 25.72
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 46
Mean 0.007423
Std Dev 0.2119
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

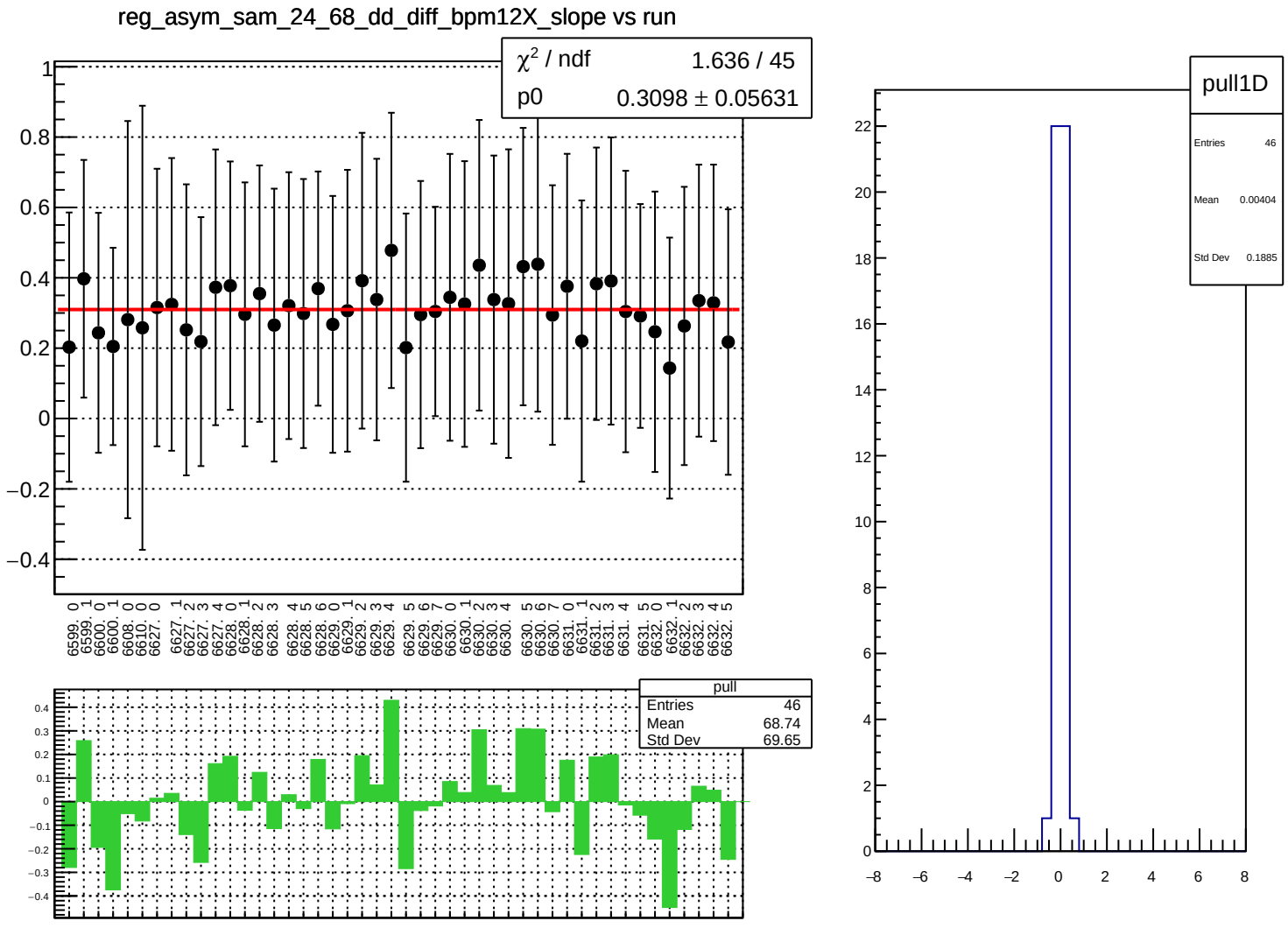

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 4.331 / 45
p0 −35.83 ± 1.309
pull
Entries 46
Mean −61.48
Std Dev 74.72
pull1D
Entries 46
Mean 0.01084
Std Dev 0.3066

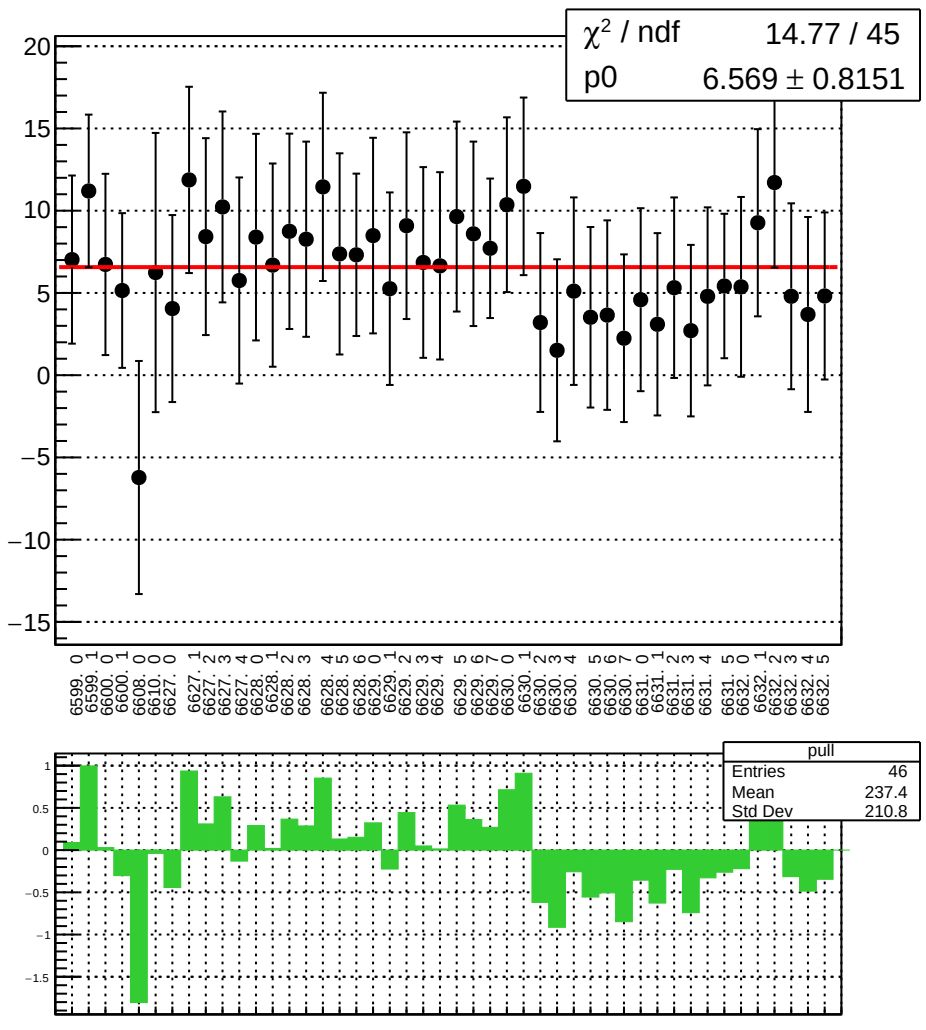

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.241 / 45
p0 −3.664 ± 0.8241
pull
Entries 46
Mean 32.28
Std Dev 11.82

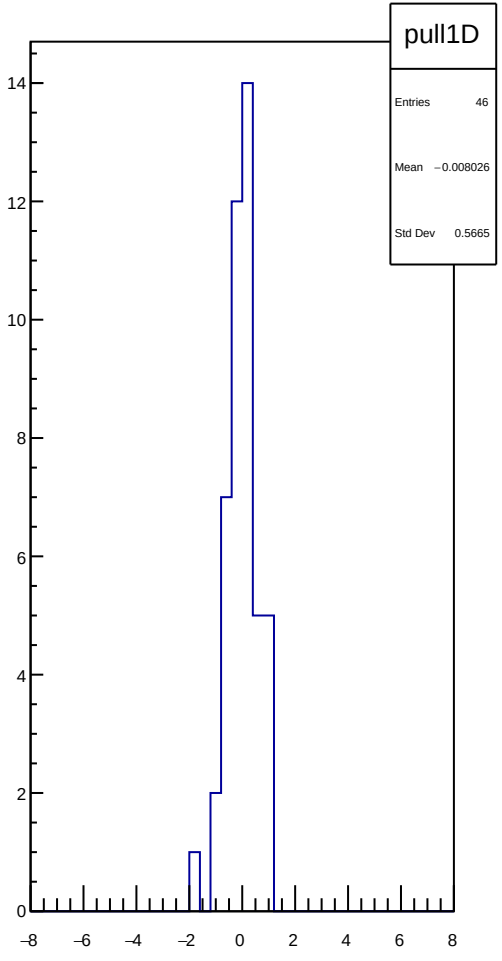

pull1D
Entries 46
Mean −0.01072
Std Dev 0.2205

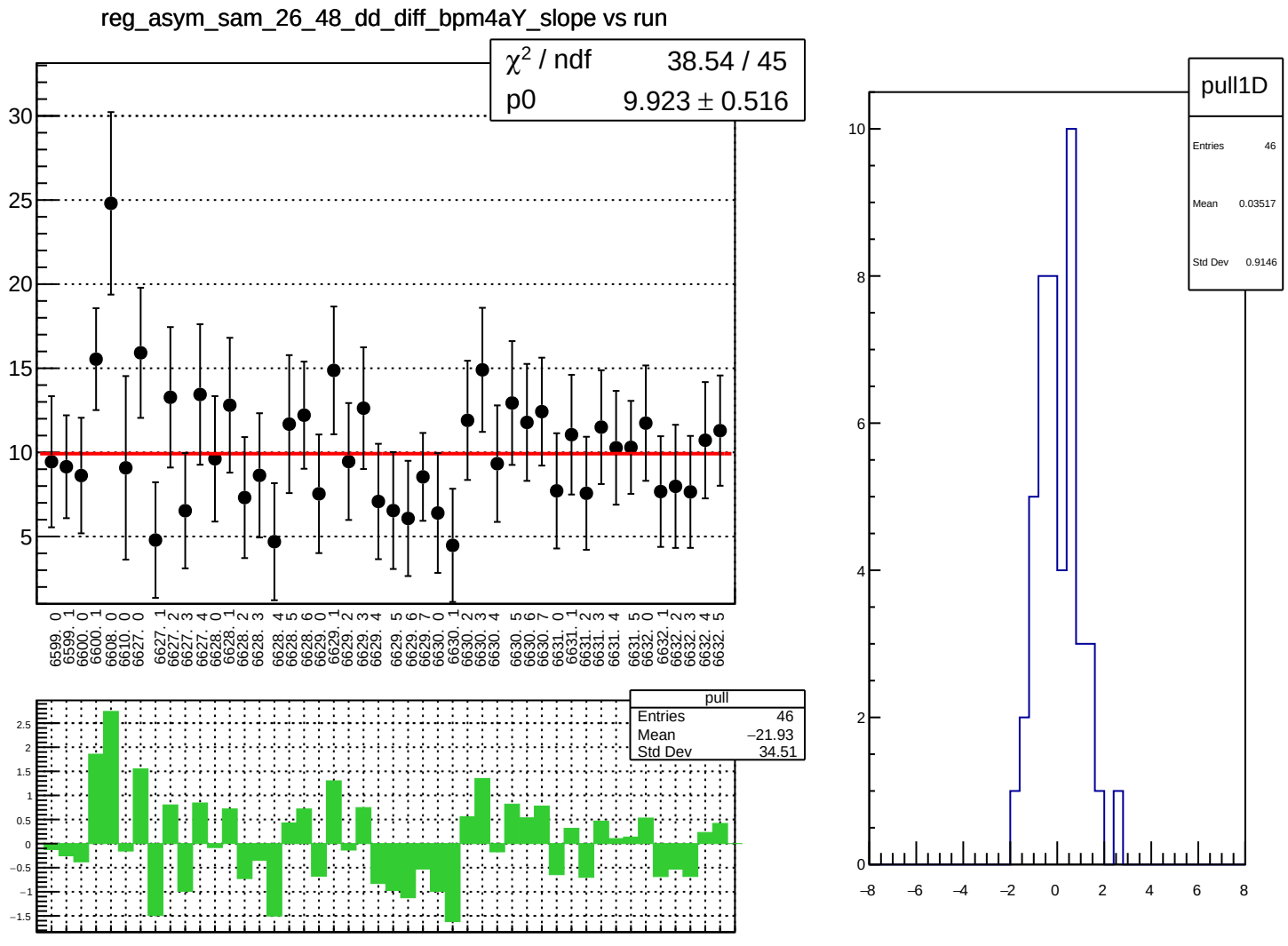

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.42 / 45
p0 −71.58 ± 1.401
pull
Entries 46
Mean −42.18
Std Dev 55.32
pull1D
Entries 46
Mean −0.01506
Std Dev 0.3429

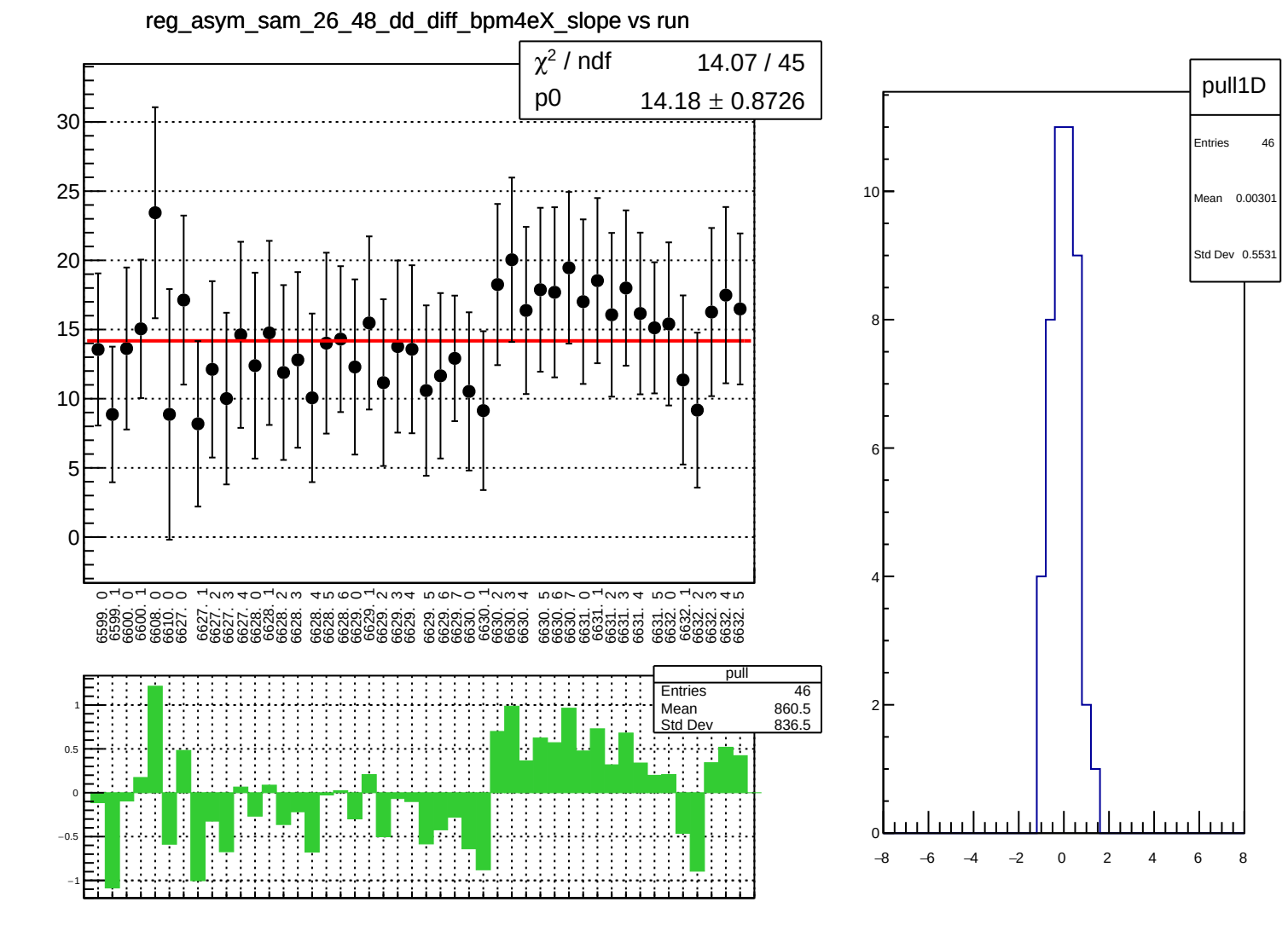

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.912 / 45
p0 −10.62 ± 1.001
pull
Entries 46
Mean 178.4
Std Dev 158.8
pull1D
Entries 46
Mean 0.005637
Std Dev 0.2515

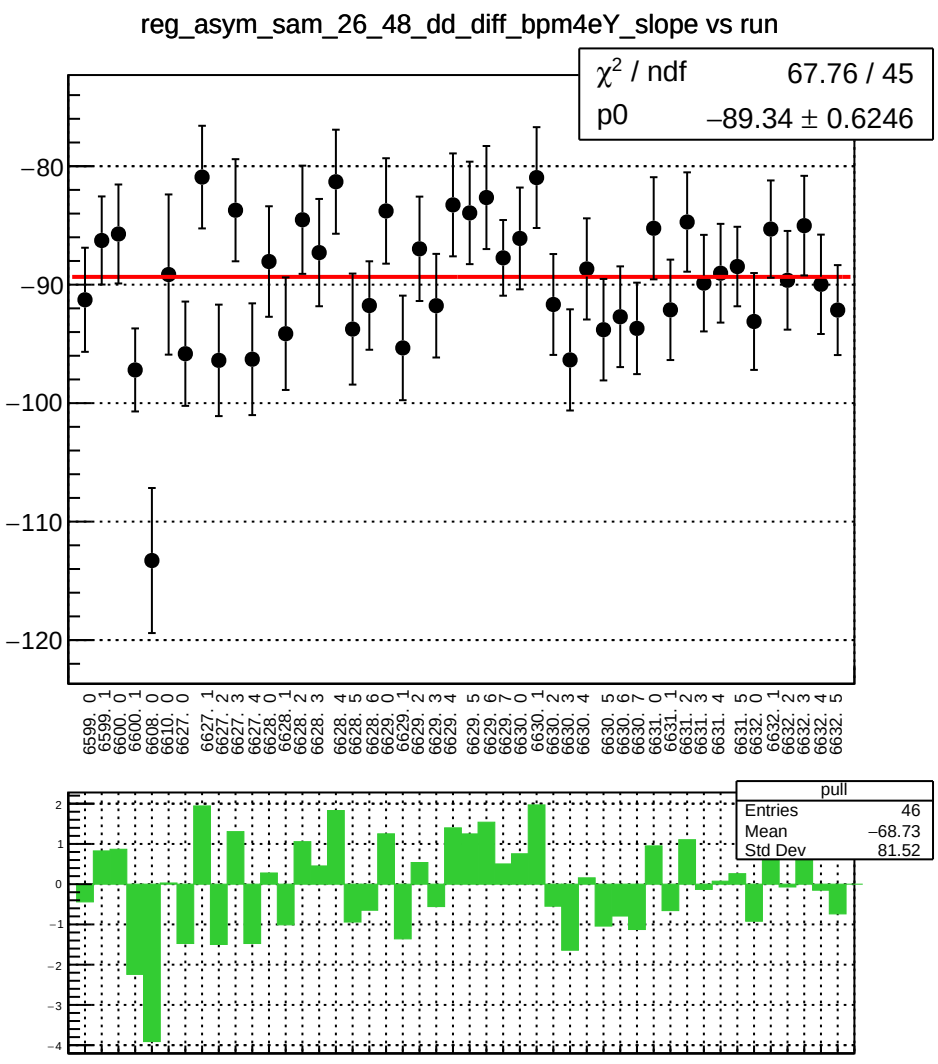

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.636 / 45
p0 0.3098 ± 0.05631
pull
Entries 46
Mean 68.74
Std Dev 69.65
pull1D
Entries 46
Mean 0.00404
Std Dev 0.1885

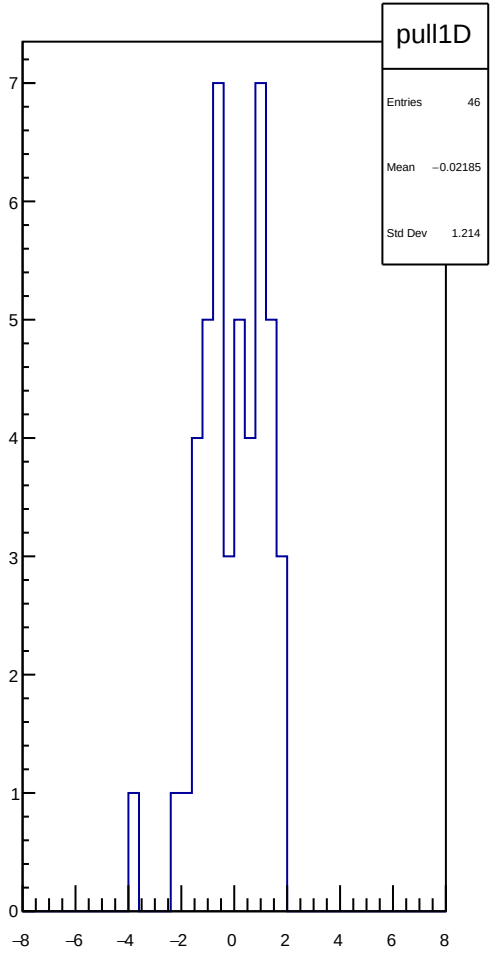

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 14.77 / 45
p0 6.569 ± 0.8151
pull
Entries 46
Mean 237.4
Std Dev 210.8

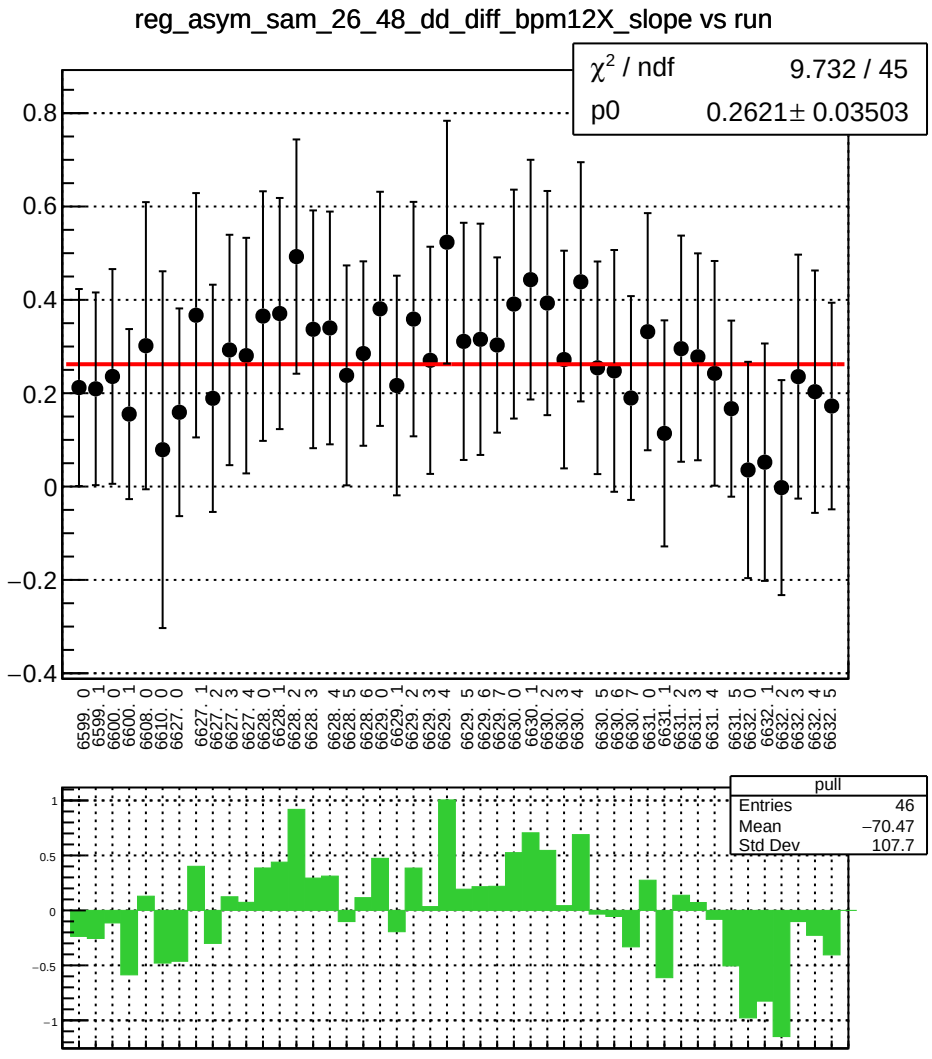

pull1D
Entries 46
Mean −0.008026
Std Dev 0.5665

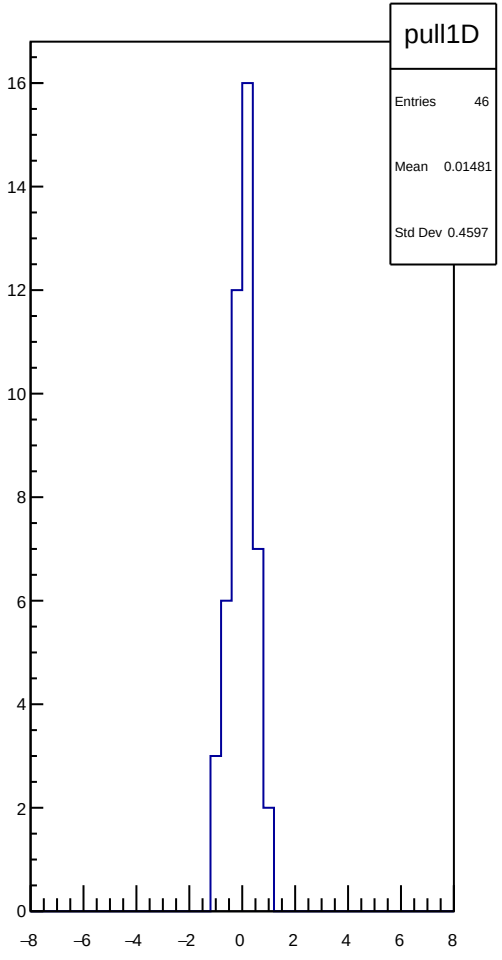

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.54 / 45
p0 9.923 ± 0.516
pull
Entries 46
Mean −21.93
Std Dev 34.51
pull1D
Entries 46
Mean 0.03517
Std Dev 0.9146

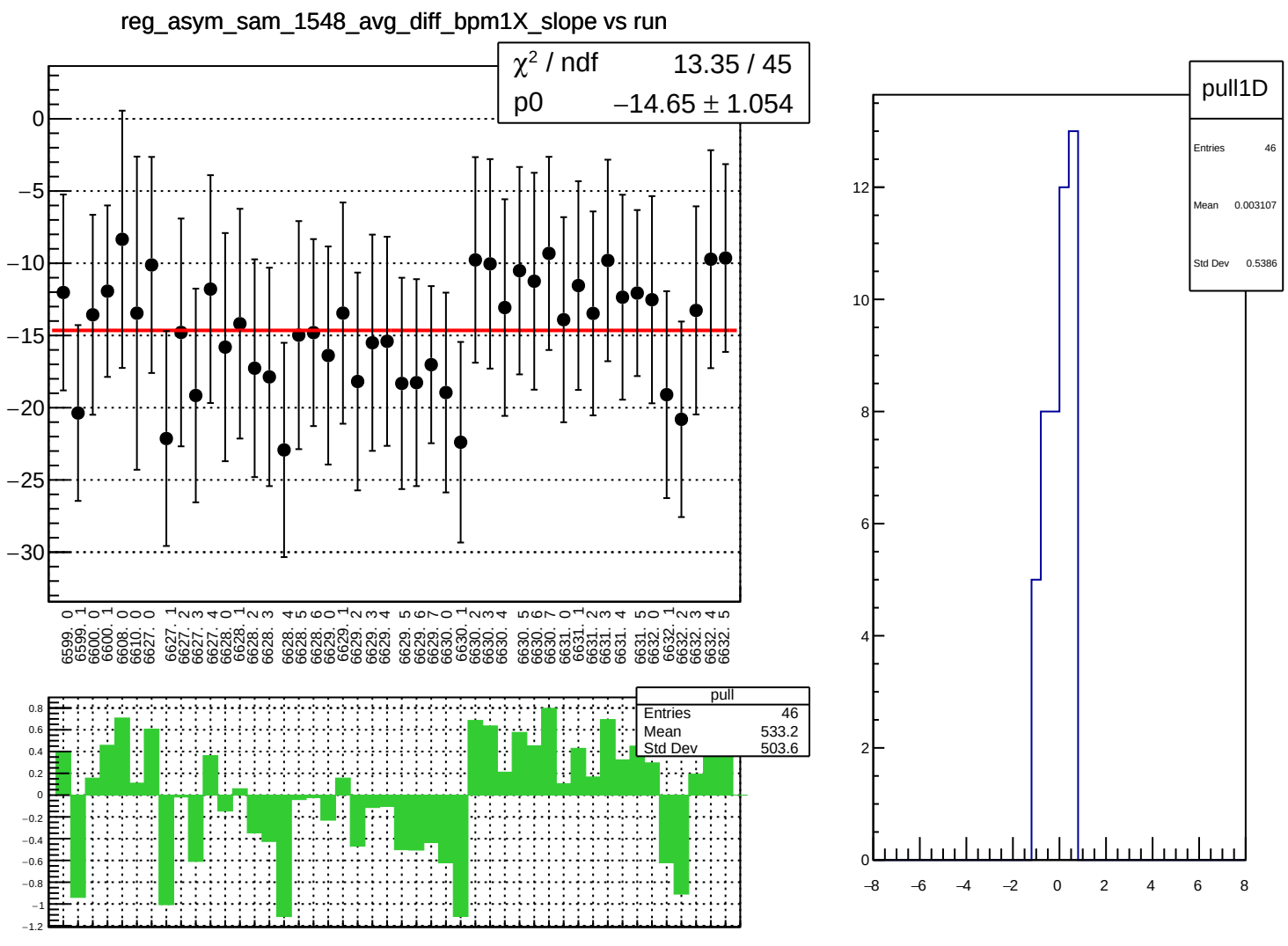

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.07 / 45
p0 14.18 ± 0.8726
pull
Entries 46
Mean 860.5
Std Dev 836.5
pull1D
Entries 46
Mean 0.00301
Std Dev 0.5531

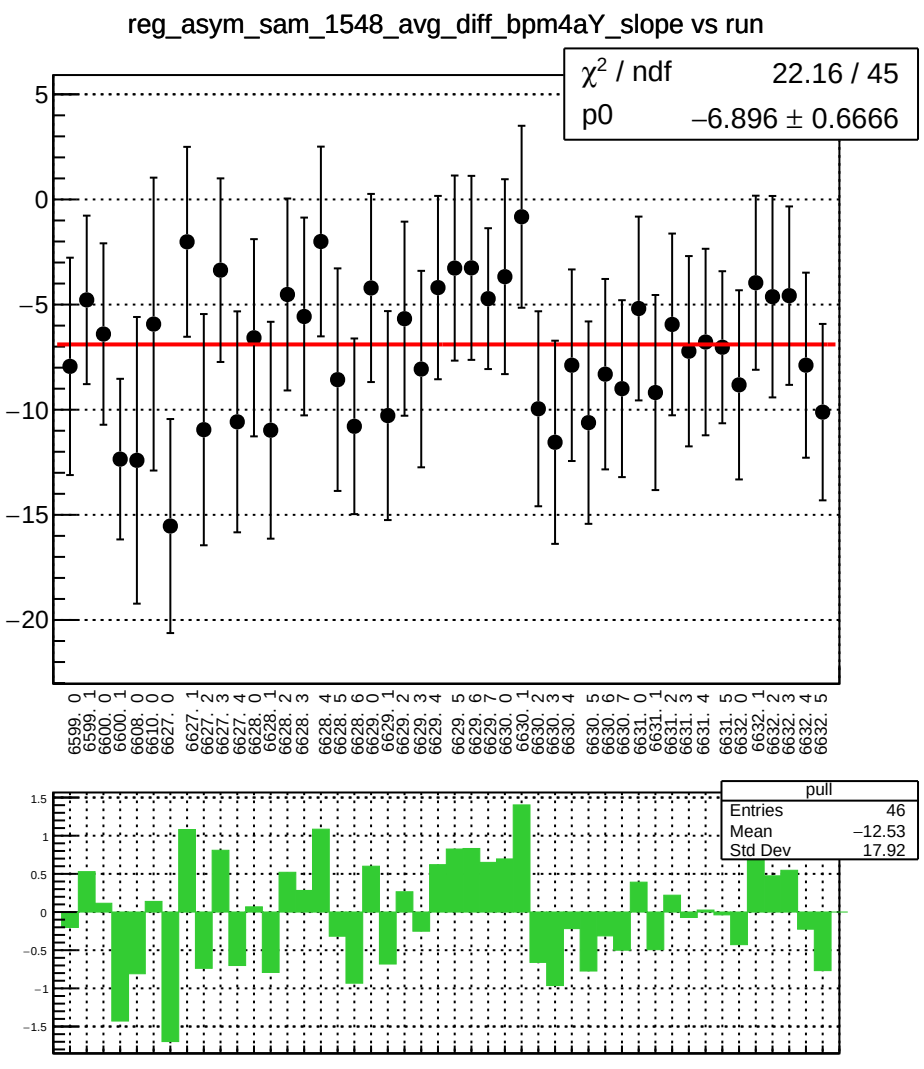

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.76 / 45
p0 −89.34 ± 0.6246
pull
Entries 46
Mean −68.73
Std Dev 81.52

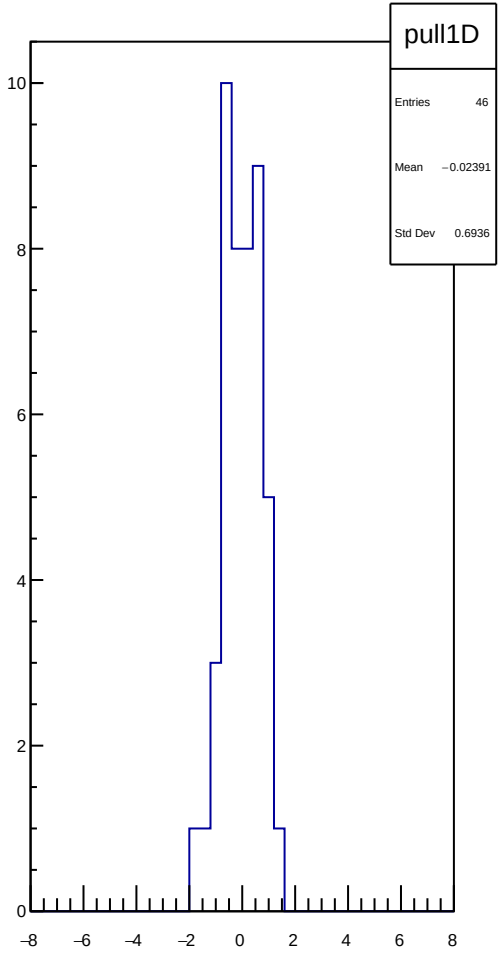

pull1D
Entries 46
Mean −0.02185
Std Dev 1.214

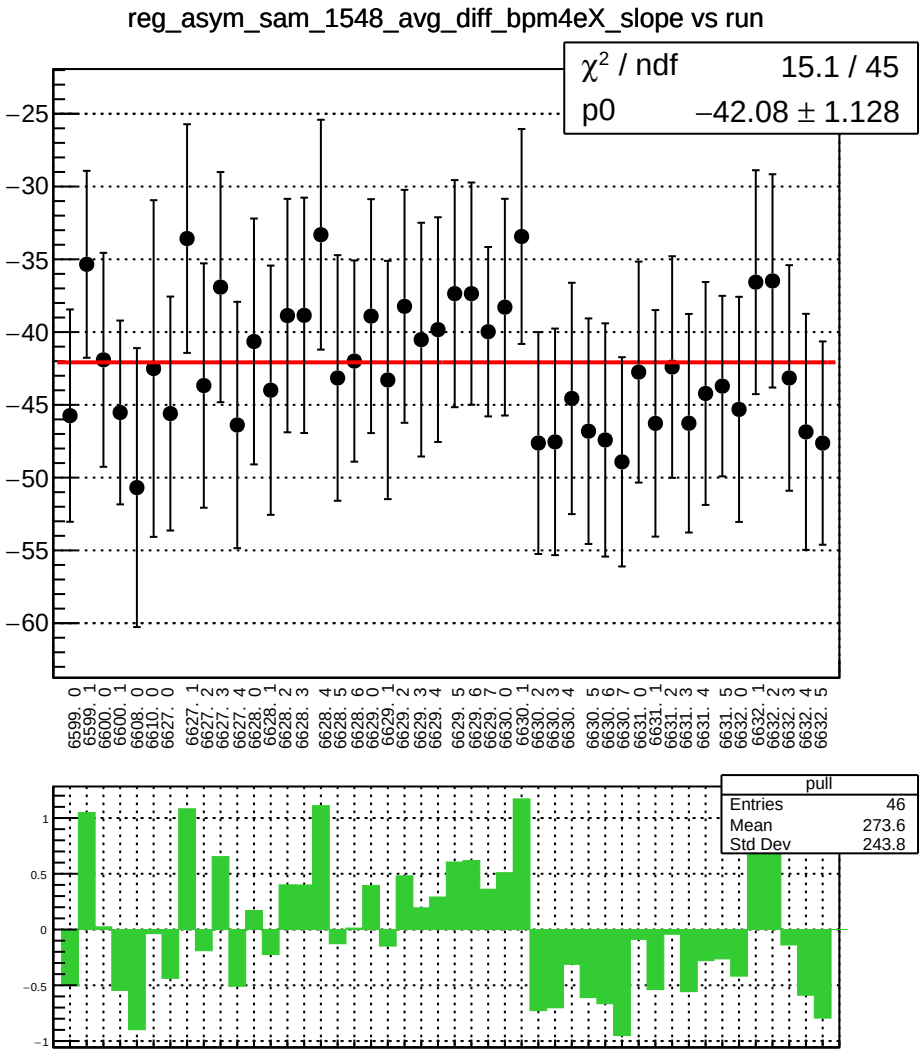

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.732 / 45
p0 0.2621± 0.03503
pull
Entries 46
Mean −70.47
Std Dev 107.7

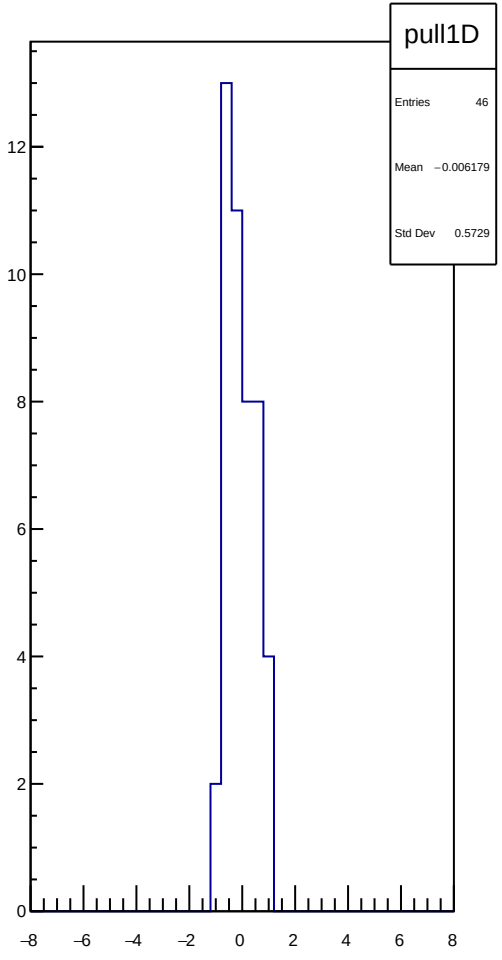

pull1D
Entries 46
Mean 0.01481
Std Dev 0.4597

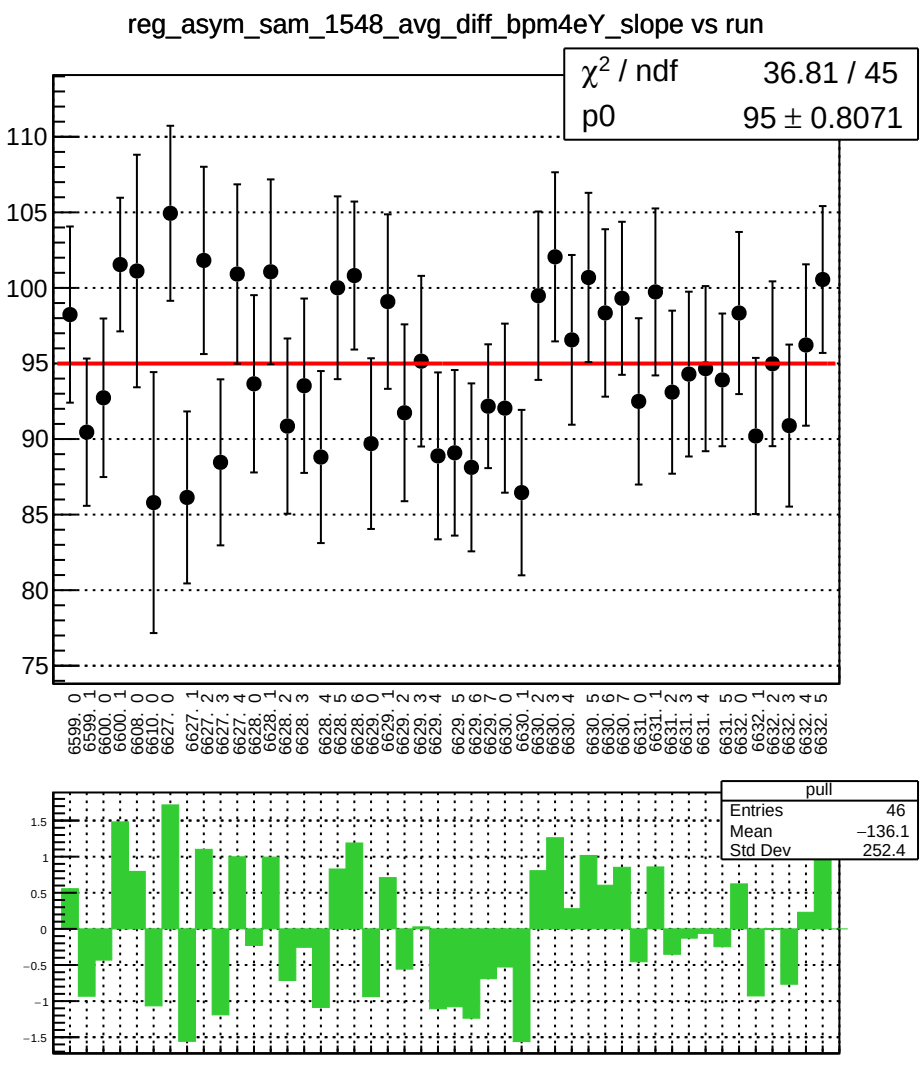

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 13.35 / 45
p0 −14.65 ± 1.054
pull
Entries 46
Mean 533.2
Std Dev 503.6
pull1D
Entries 46
Mean 0.003107
Std Dev 0.5386

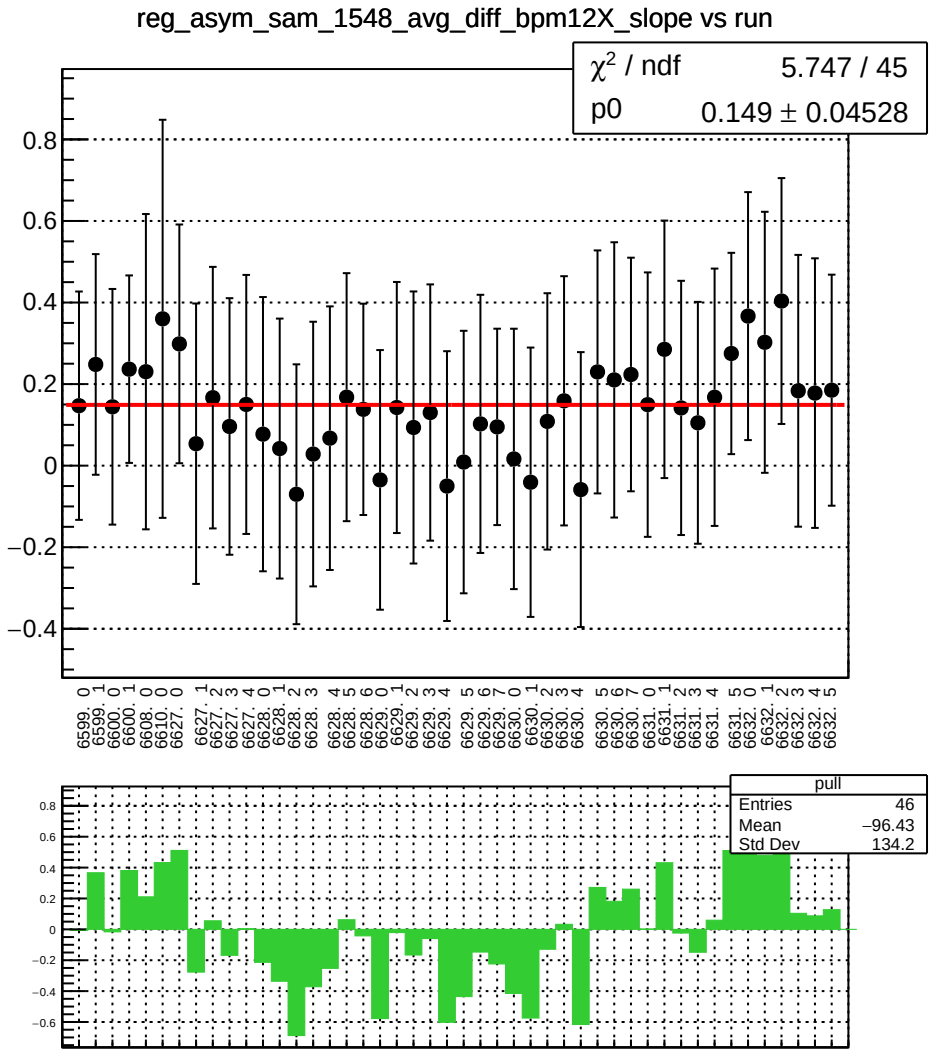

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.16 / 45
p0 −6.896 ± 0.6666
pull
Entries 46
Mean −12.53
Std Dev 17.92

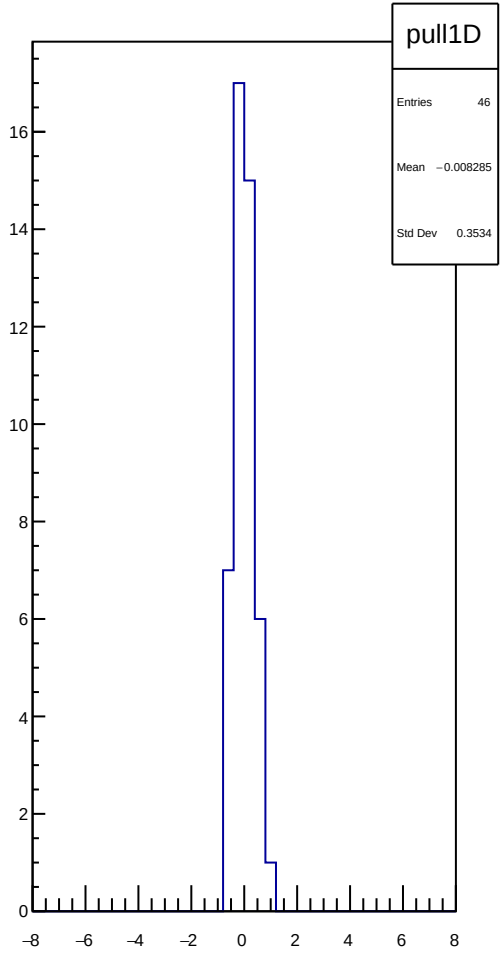

pull1D
Entries 46
Mean −0.02391
Std Dev 0.6936

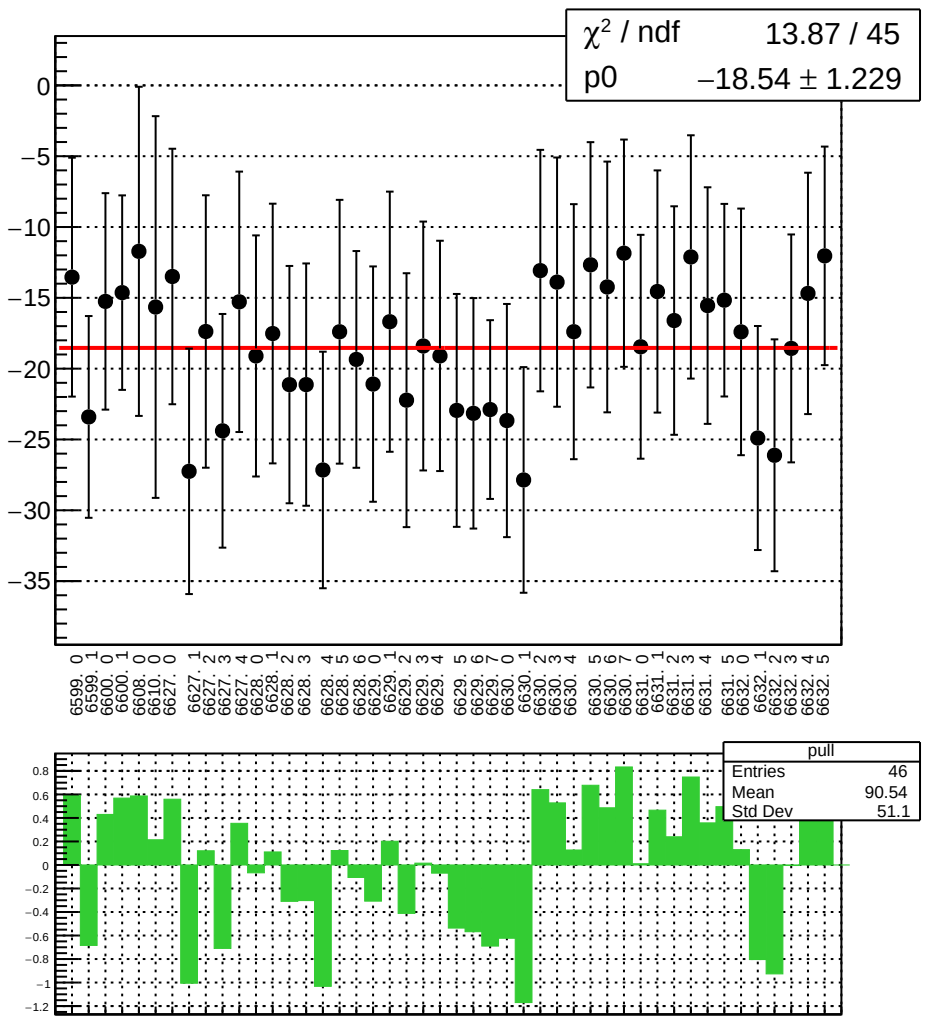

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.1 / 45
p0 −42.08 ± 1.128
pull
Entries 46
Mean 273.6
Std Dev 243.8

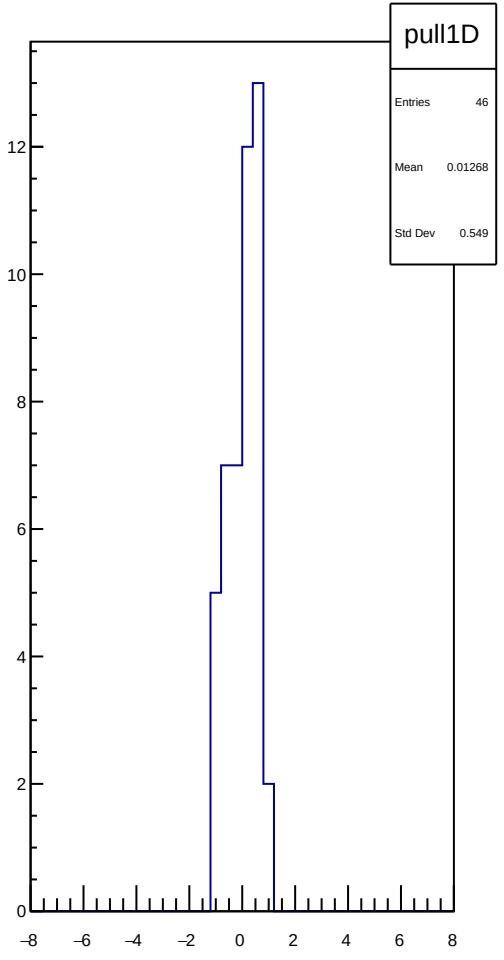

pull1D
Entries 46
Mean −0.006179
Std Dev 0.5729

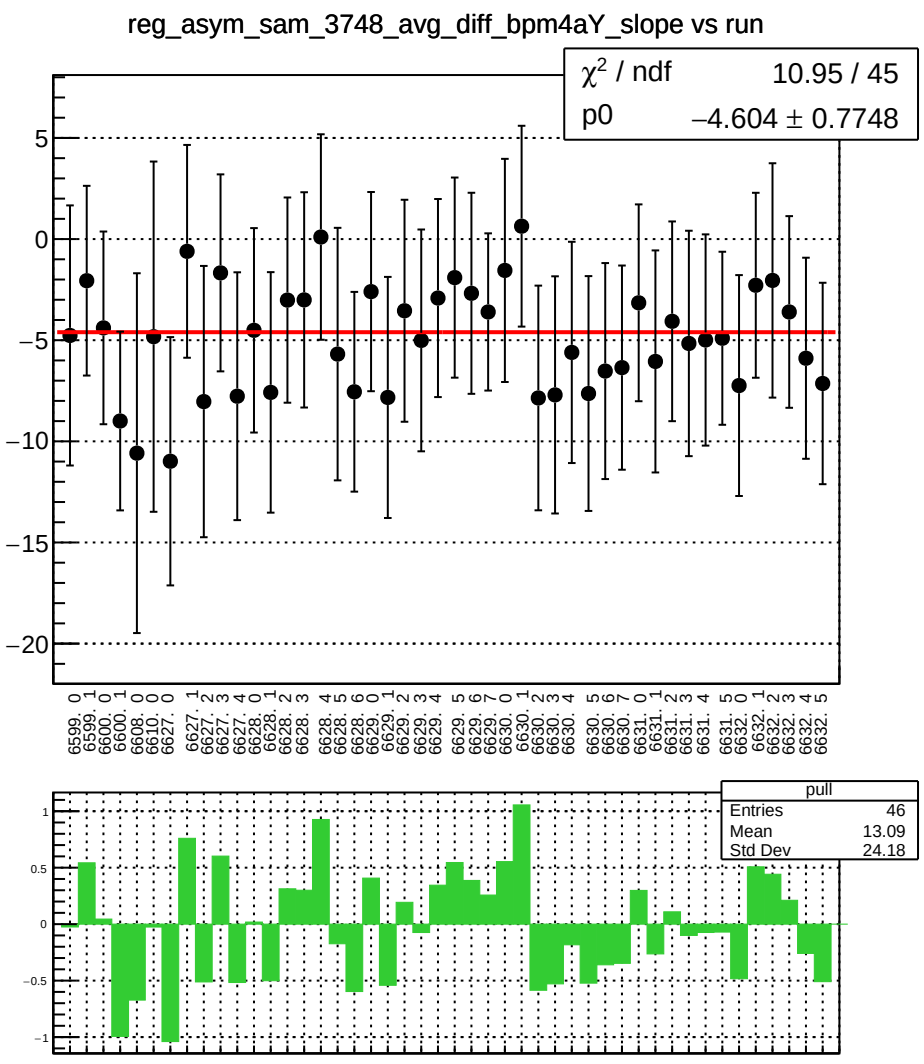

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.81 / 45
p0 95 ± 0.8071
110
105
100
95
90
85
80
75
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −136.1
Std Dev 252.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.0004761
Std Dev 0.8946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

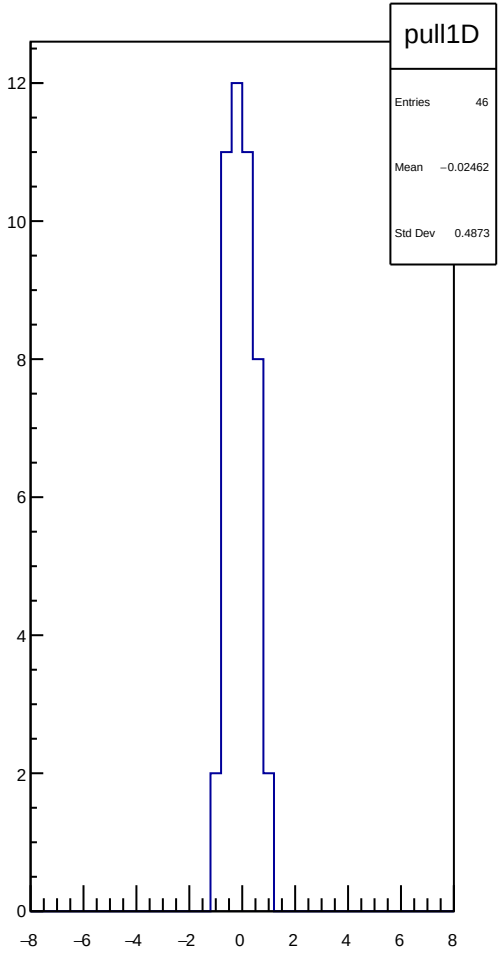

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 5.747 / 45
p0 0.149 ± 0.04528
pull
Entries 46
Mean −96.43
Std Dev 134.2

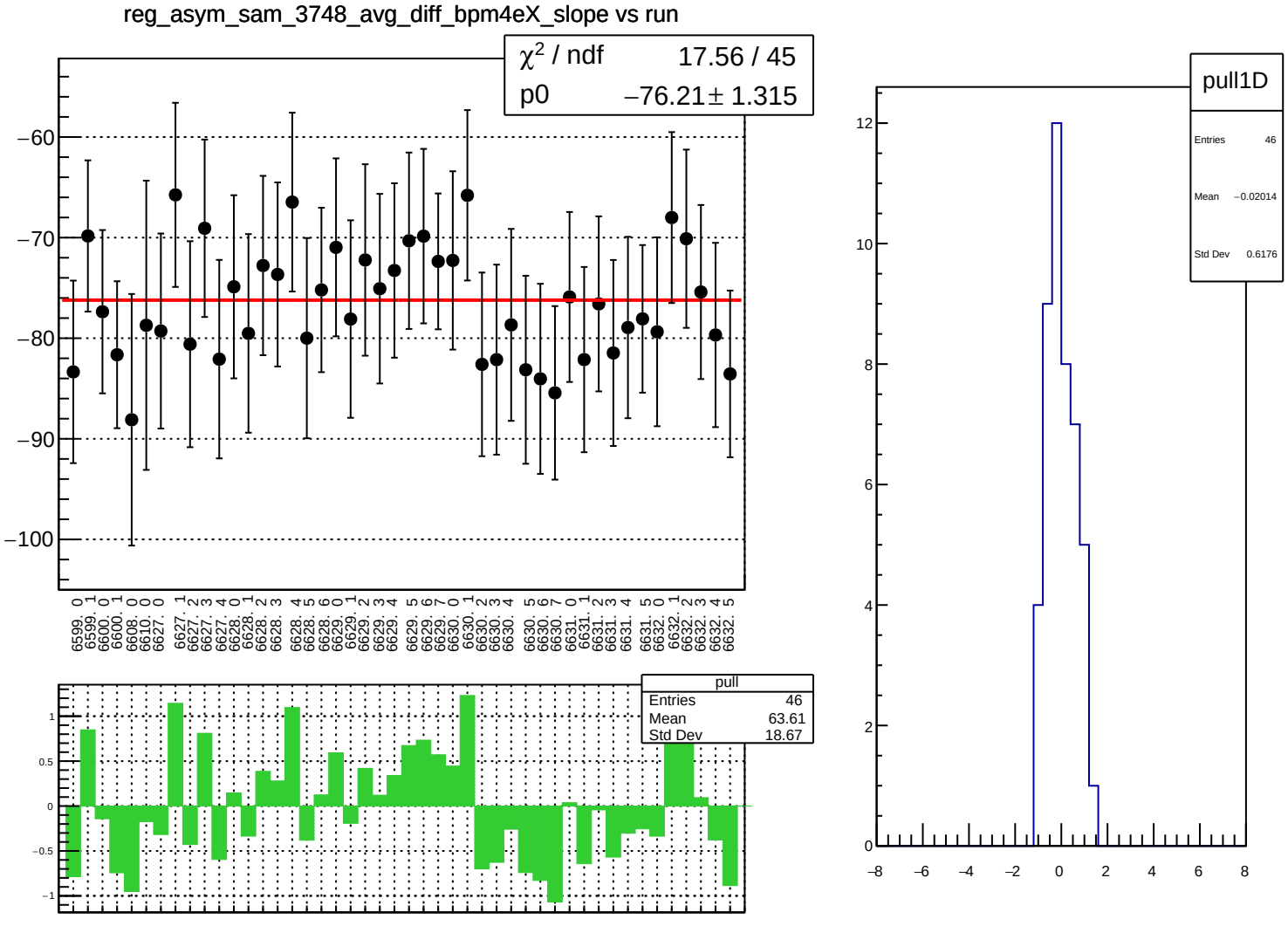

pull1D
Entries 46
Mean −0.008285
Std Dev 0.3534

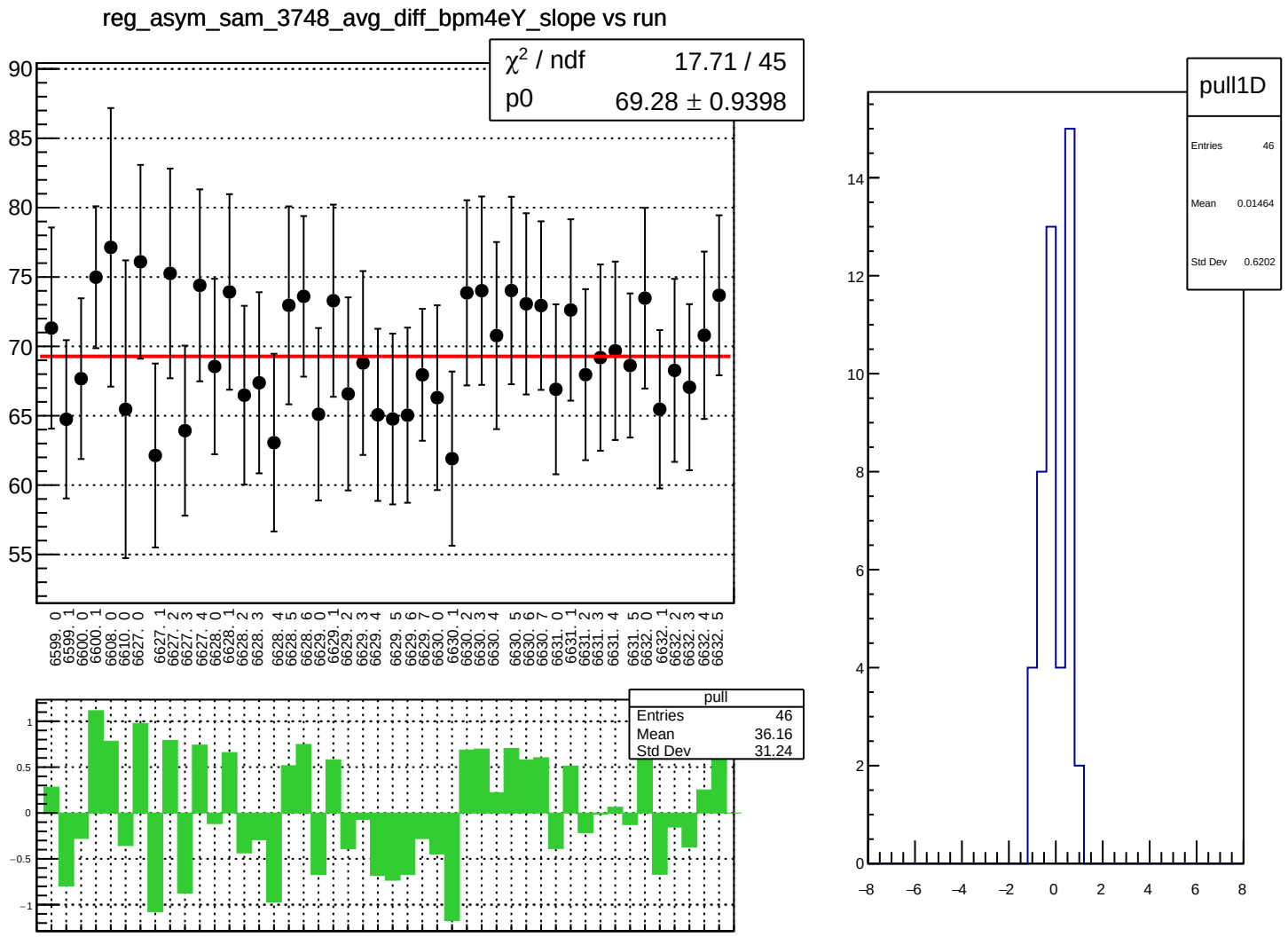

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 13.87 / 45
p0 −18.54 ± 1.229
pull
Entries 46
Mean 90.54
Std Dev 51.1

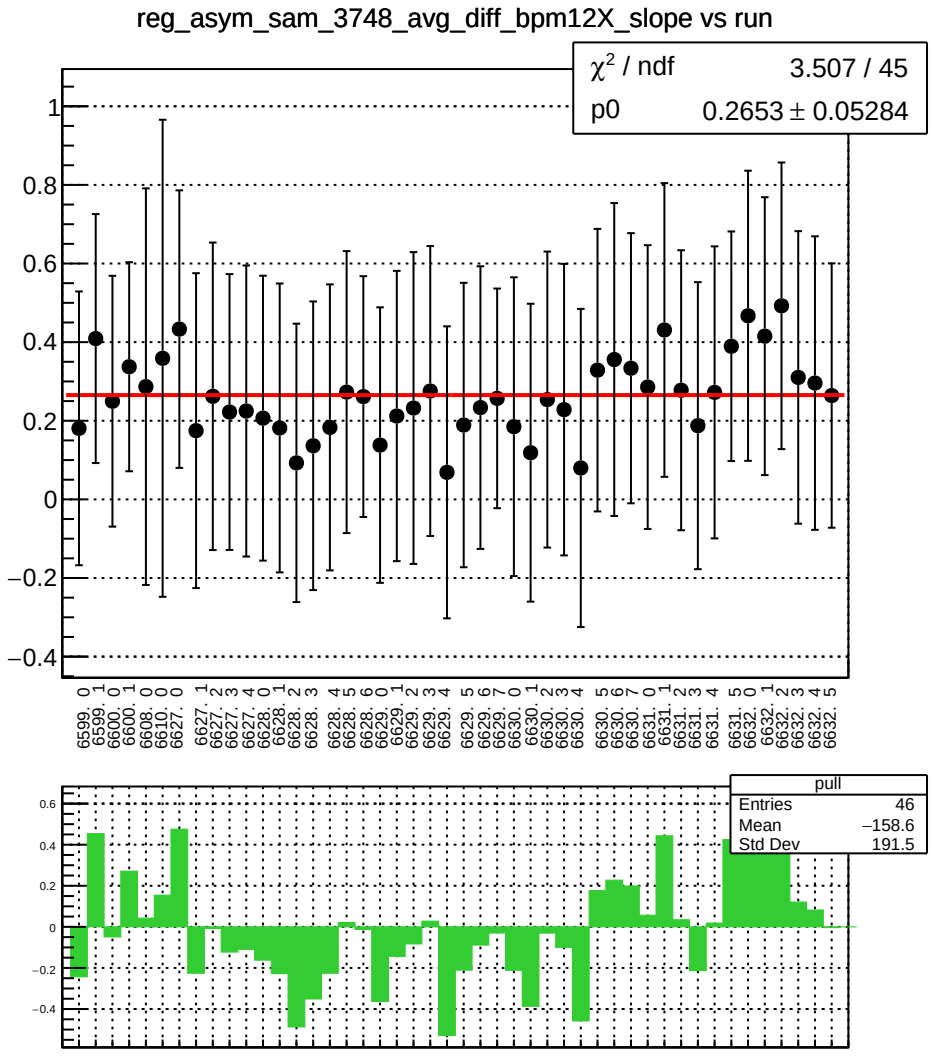

pull1D
Entries 46
Mean 0.01268
Std Dev 0.549

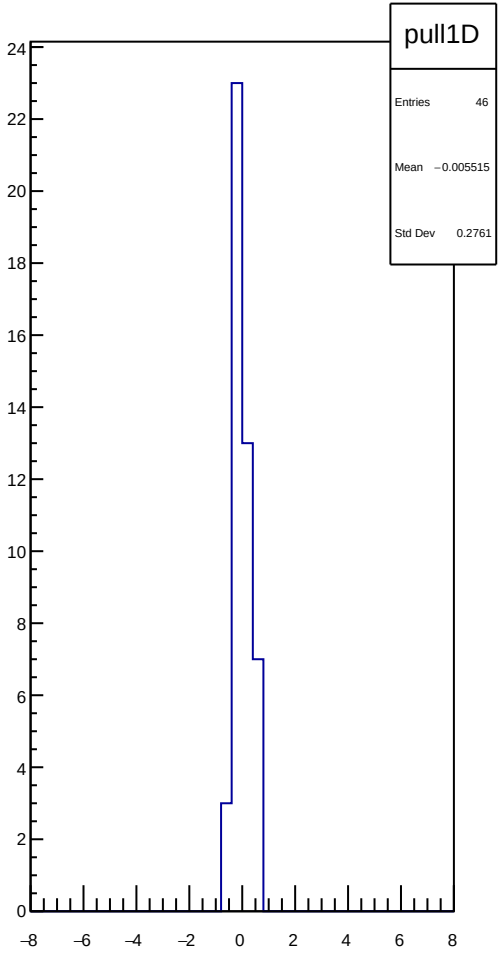

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.95 / 45
p0 −4.604 ± 0.7748
pull
Entries 46
Mean 13.09
Std Dev 24.18

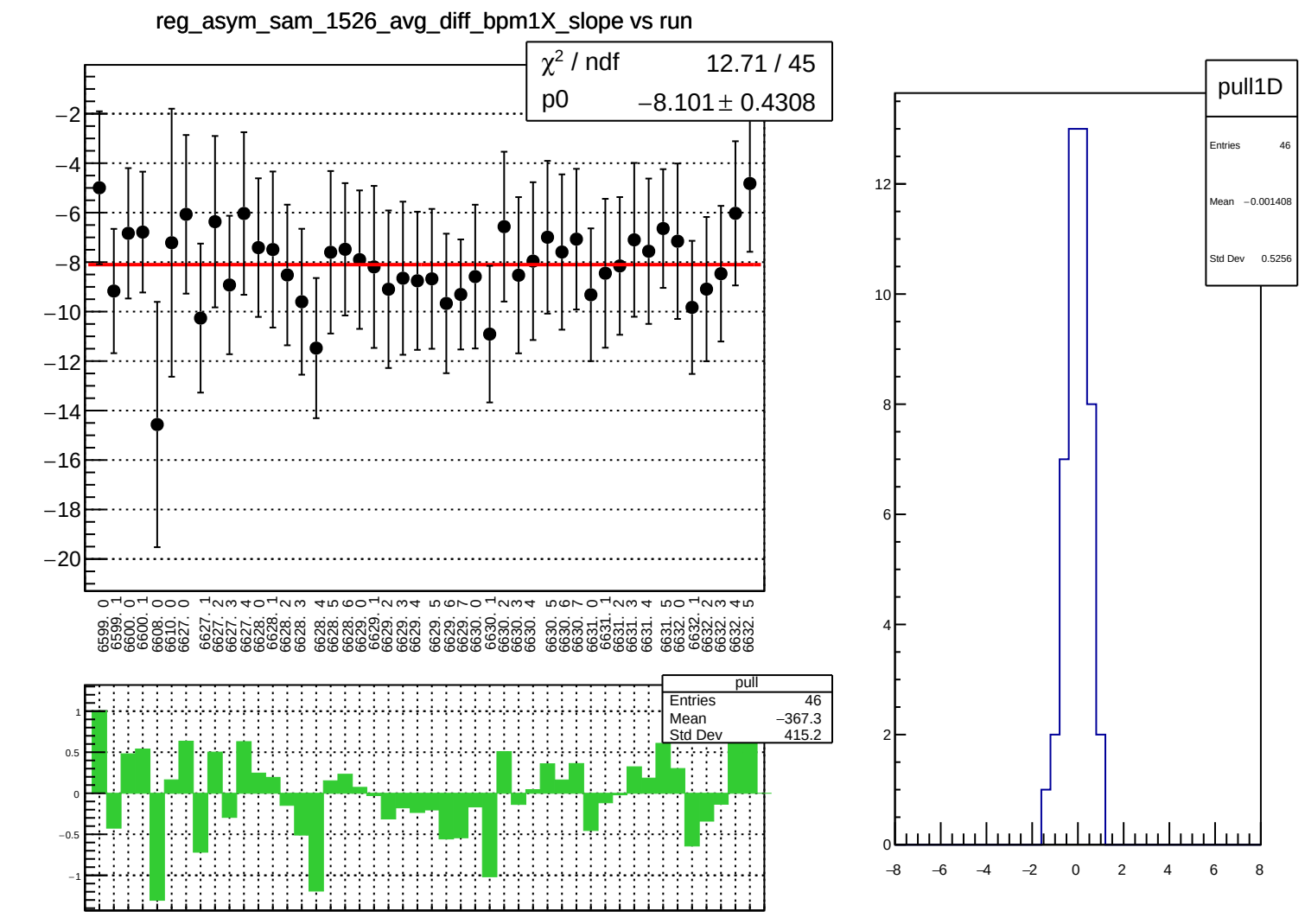

pull1D
Entries 46
Mean −0.02462
Std Dev 0.4873

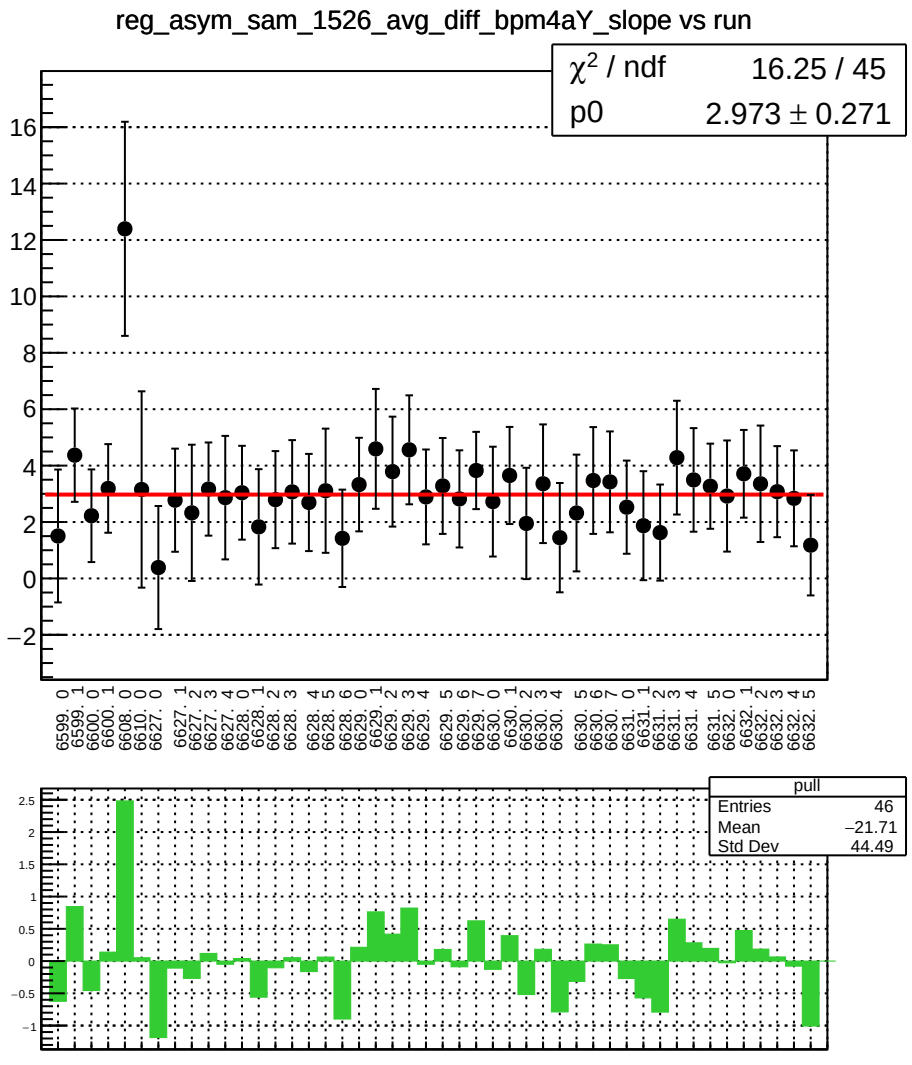

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.56 / 45
p0 −76.21± 1.315
−60
−70
−80
−90
−100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 63.61
Std Dev 18.67
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.02014
Std Dev 0.6176
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

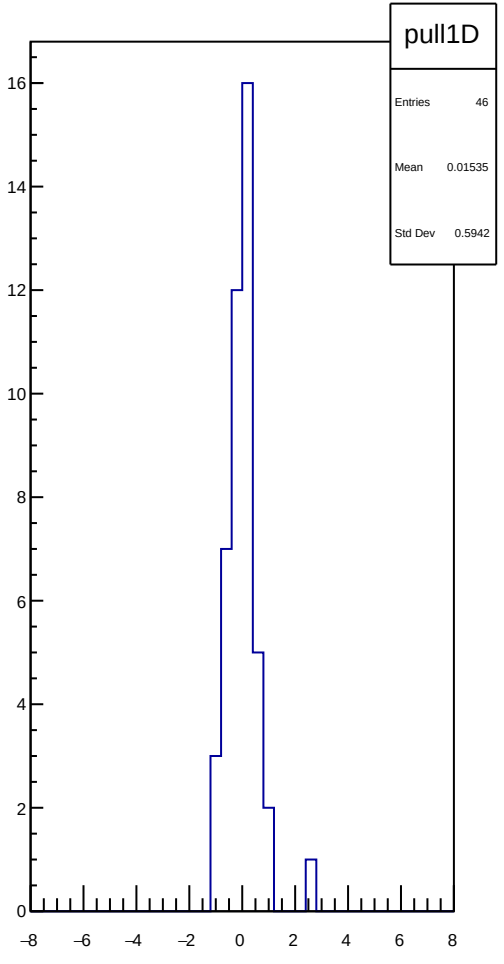

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.71 / 45
p0 69.28 ± 0.9398
pull
Entries 46
Mean 36.16
Std Dev 31.24
pull1D
Entries 46
Mean 0.01464
Std Dev 0.6202

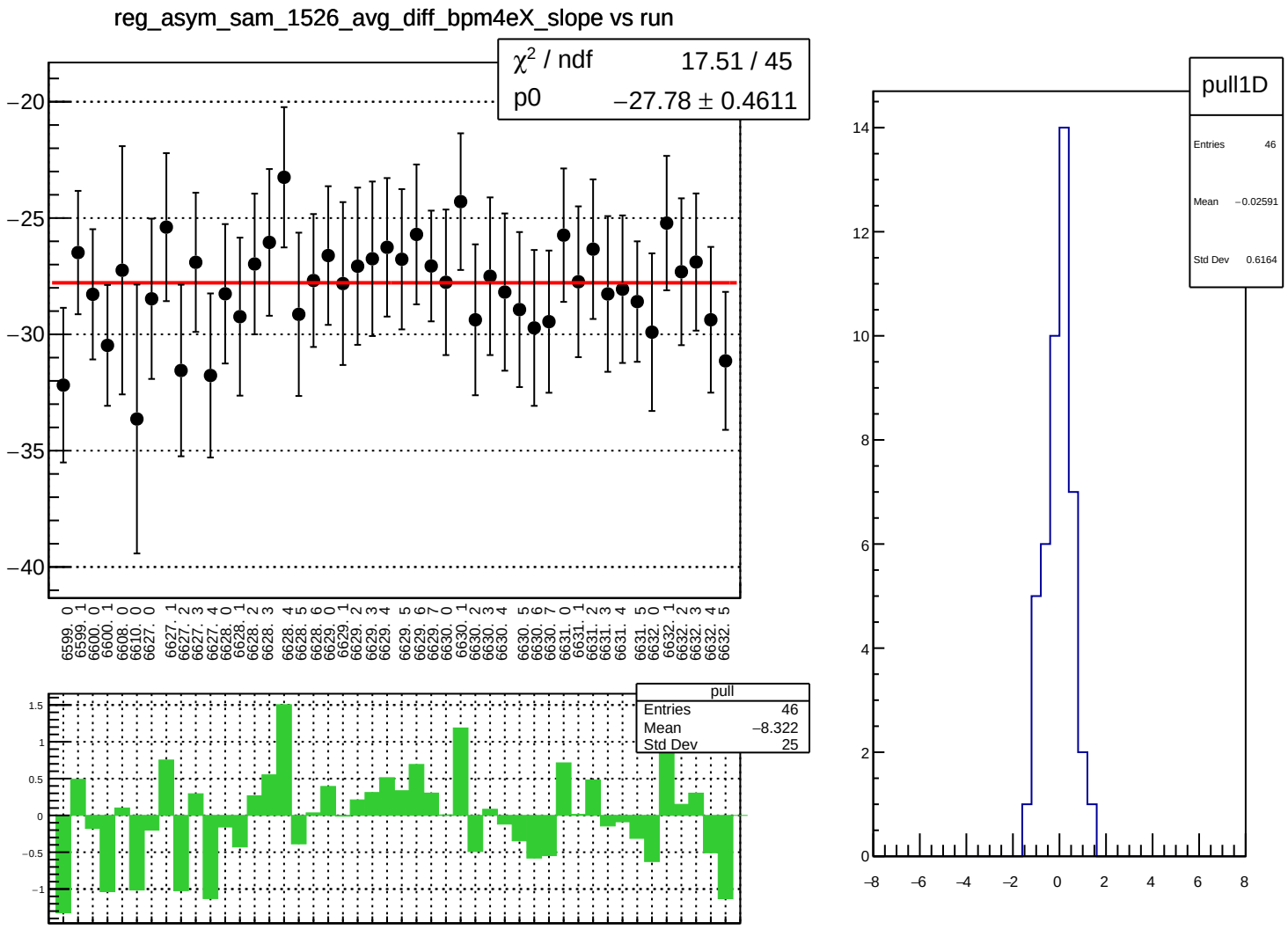

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 3.507 / 45
p0 0.2653 ± 0.05284
pull
Entries 46
Mean −158.6
Std Dev 191.5

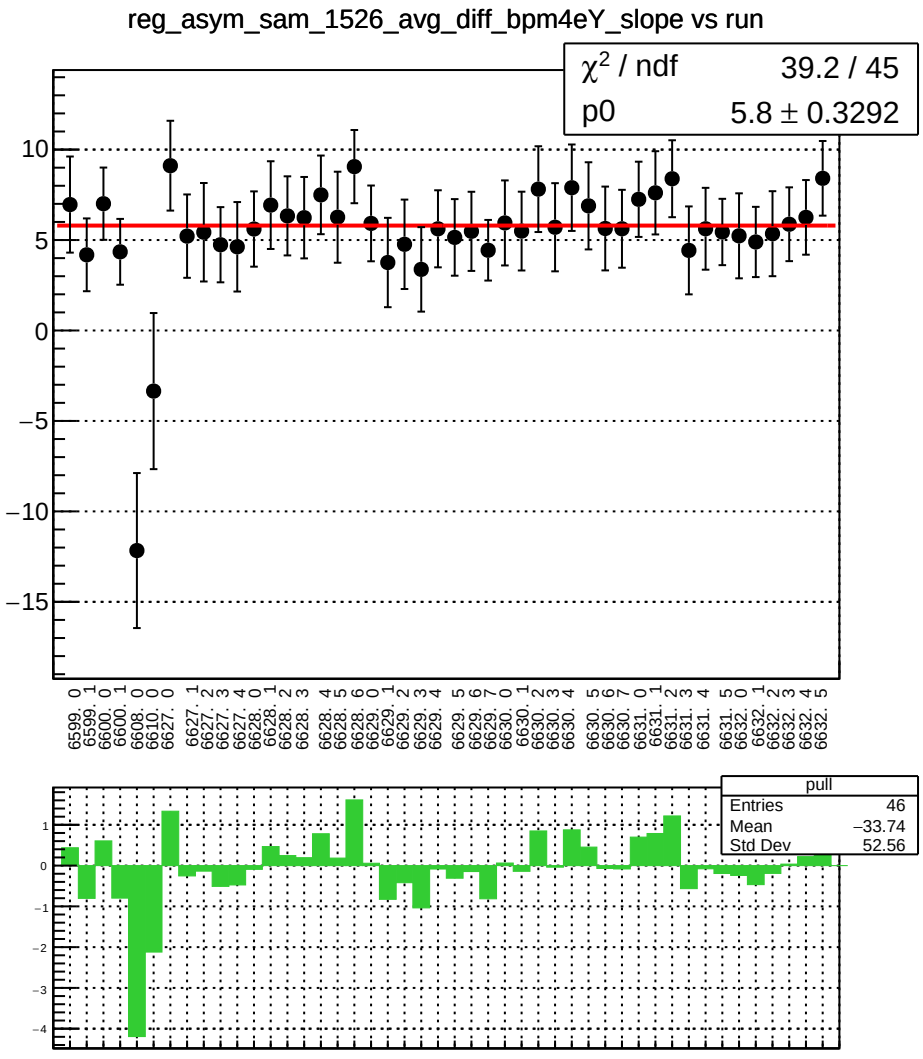

pull1D
Entries 46
Mean −0.005515
Std Dev 0.2761

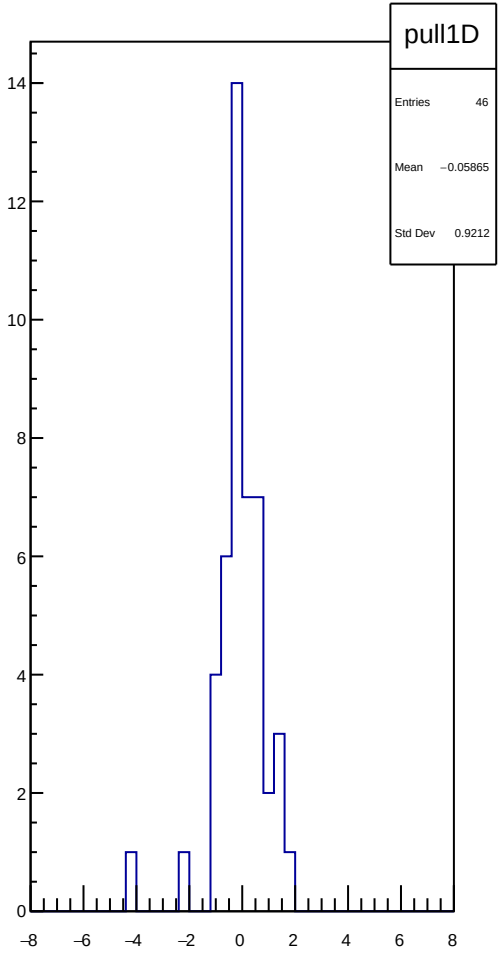

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 12.71 / 45
p0 −8.101 ± 0.4308
pull
Entries 46
Mean −367.3
Std Dev 415.2
pull1D
Entries 46
Mean −0.001408
Std Dev 0.5256

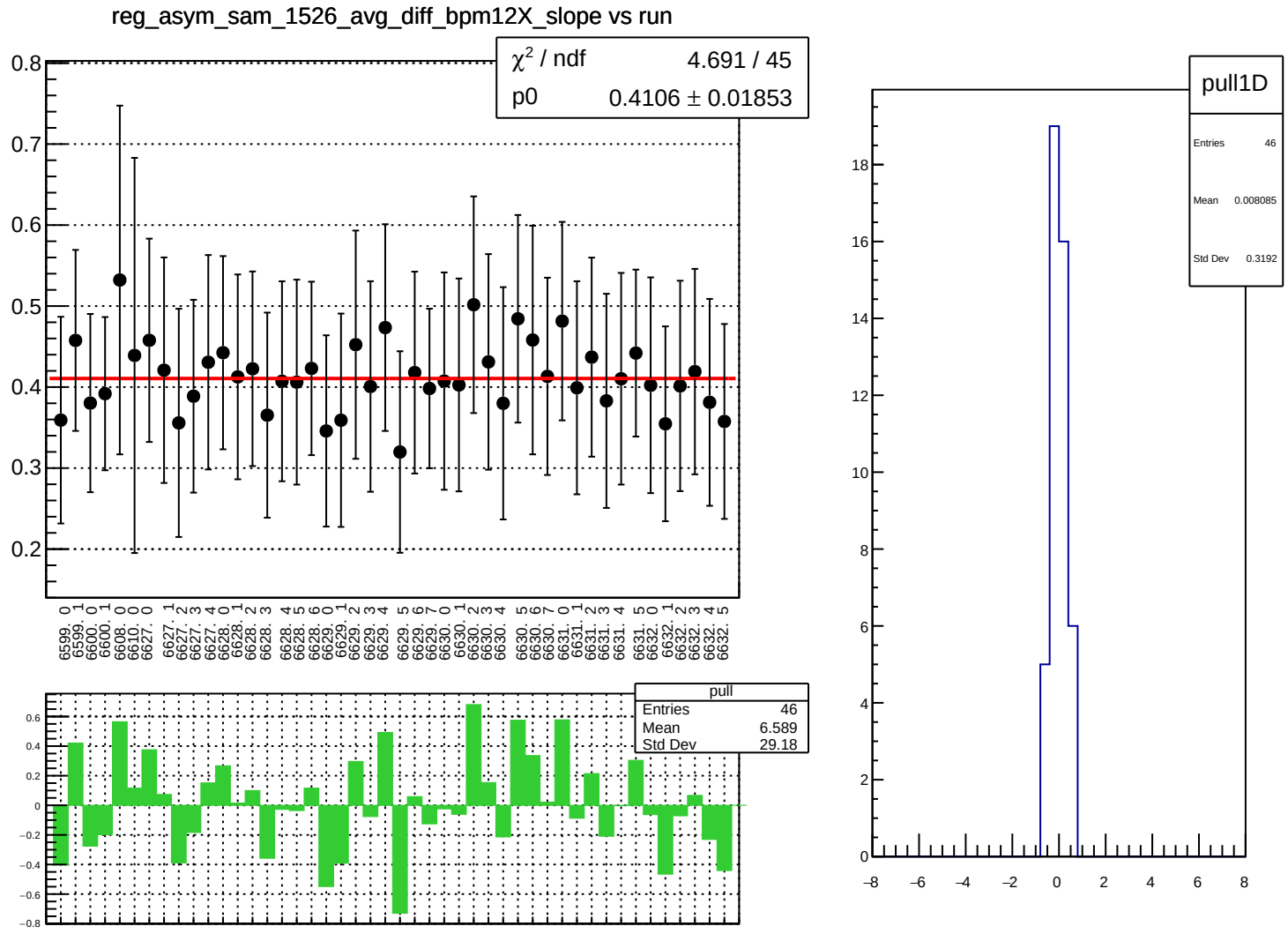

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.25 / 45
p0 2.973 ± 0.271
pull
Entries 46
Mean −21.71
Std Dev 44.49

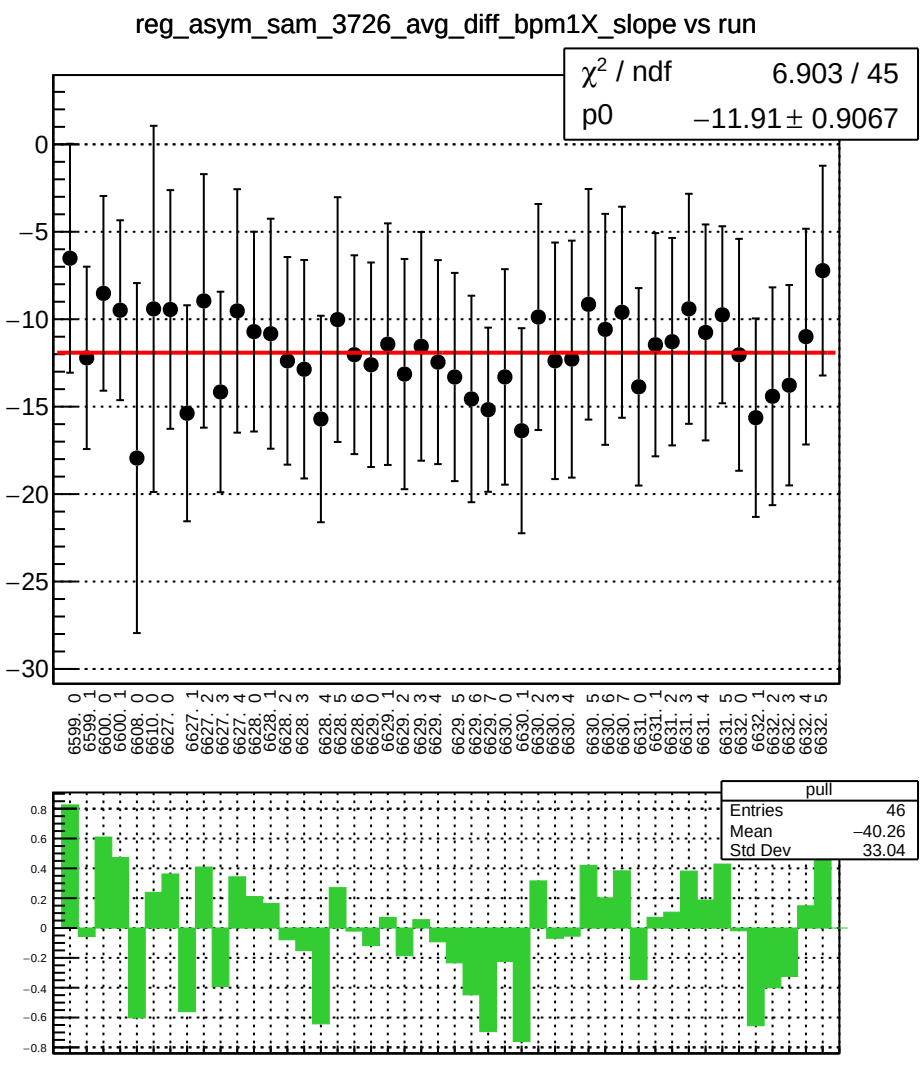

pull1D
Entries 46
Mean 0.01535
Std Dev 0.5942

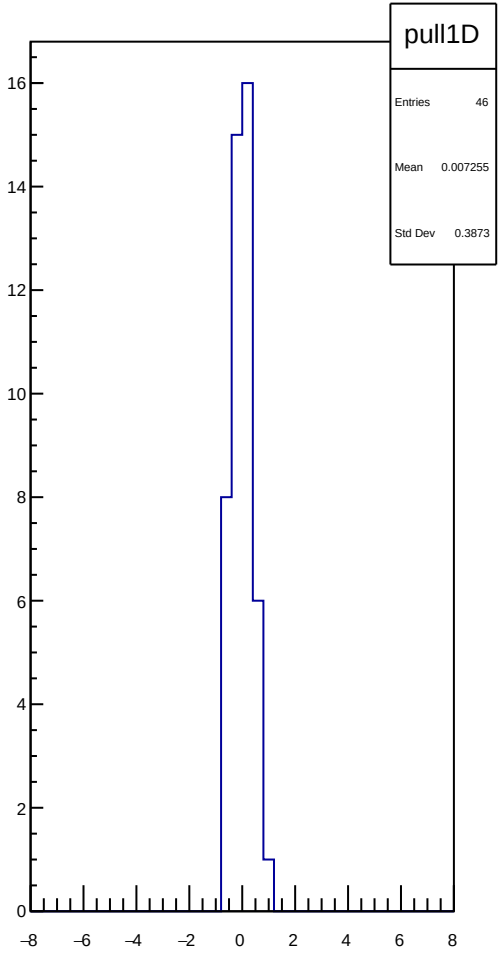

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.51 / 45
p0 −27.78 ± 0.4611
−20
−25
−30
−35
−40
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −8.322
Std Dev 25
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.02591
Std Dev 0.6164
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

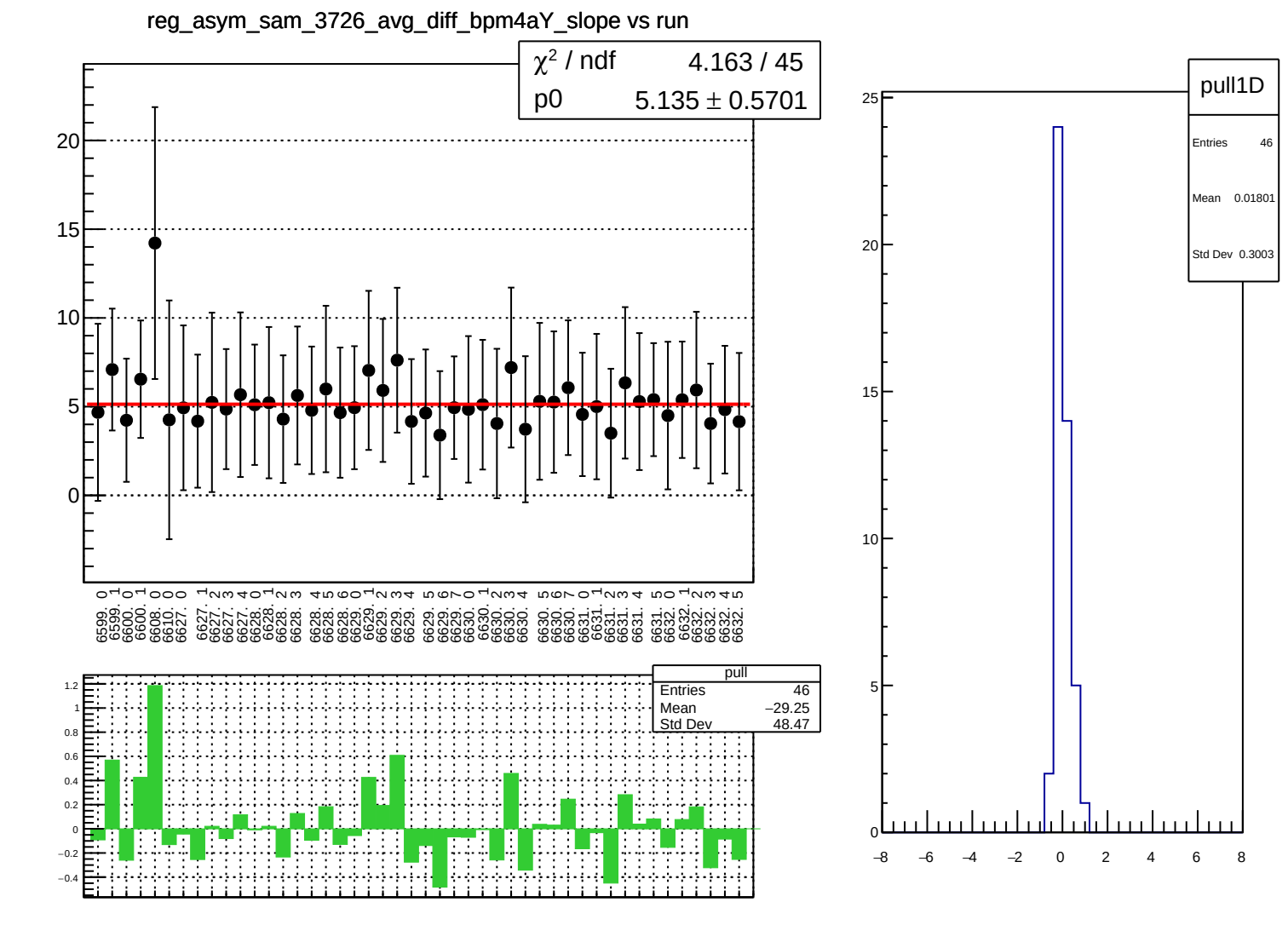

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.2 / 45
p0 5.8 ± 0.3292
pull
Entries 46
Mean −33.74
Std Dev 52.56

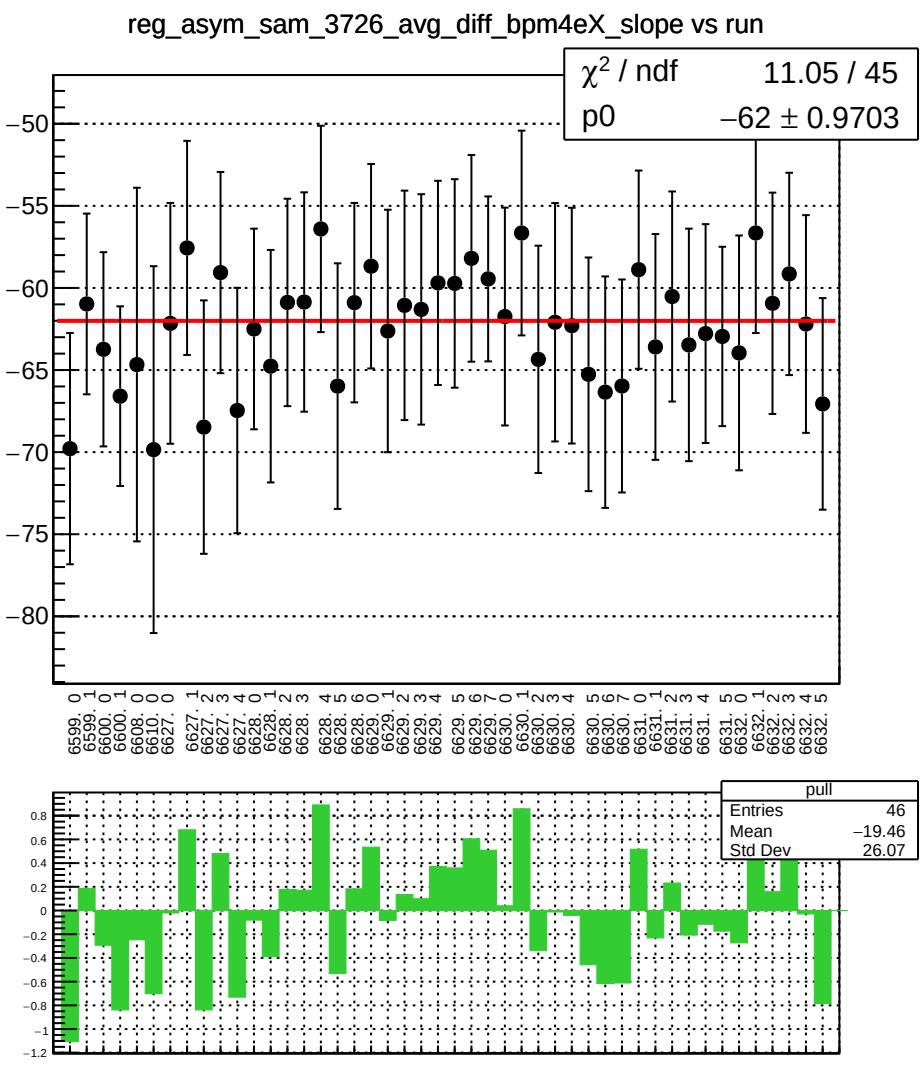

pull1D
Entries 46
Mean −0.05865
Std Dev 0.9212

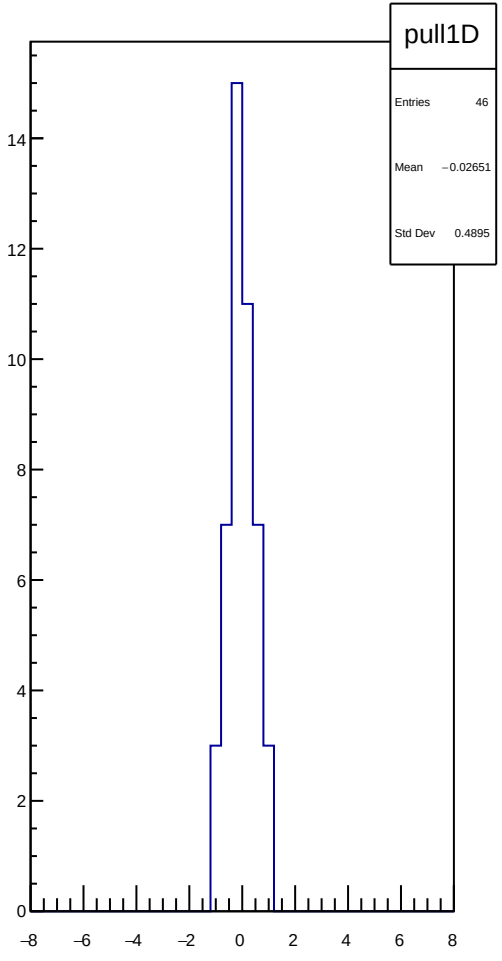

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 4.691 / 45
p0 0.4106 ± 0.01853
pull
Entries 46
Mean 6.589
Std Dev 29.18
pull1D
Entries 46
Mean 0.008085
Std Dev 0.3192

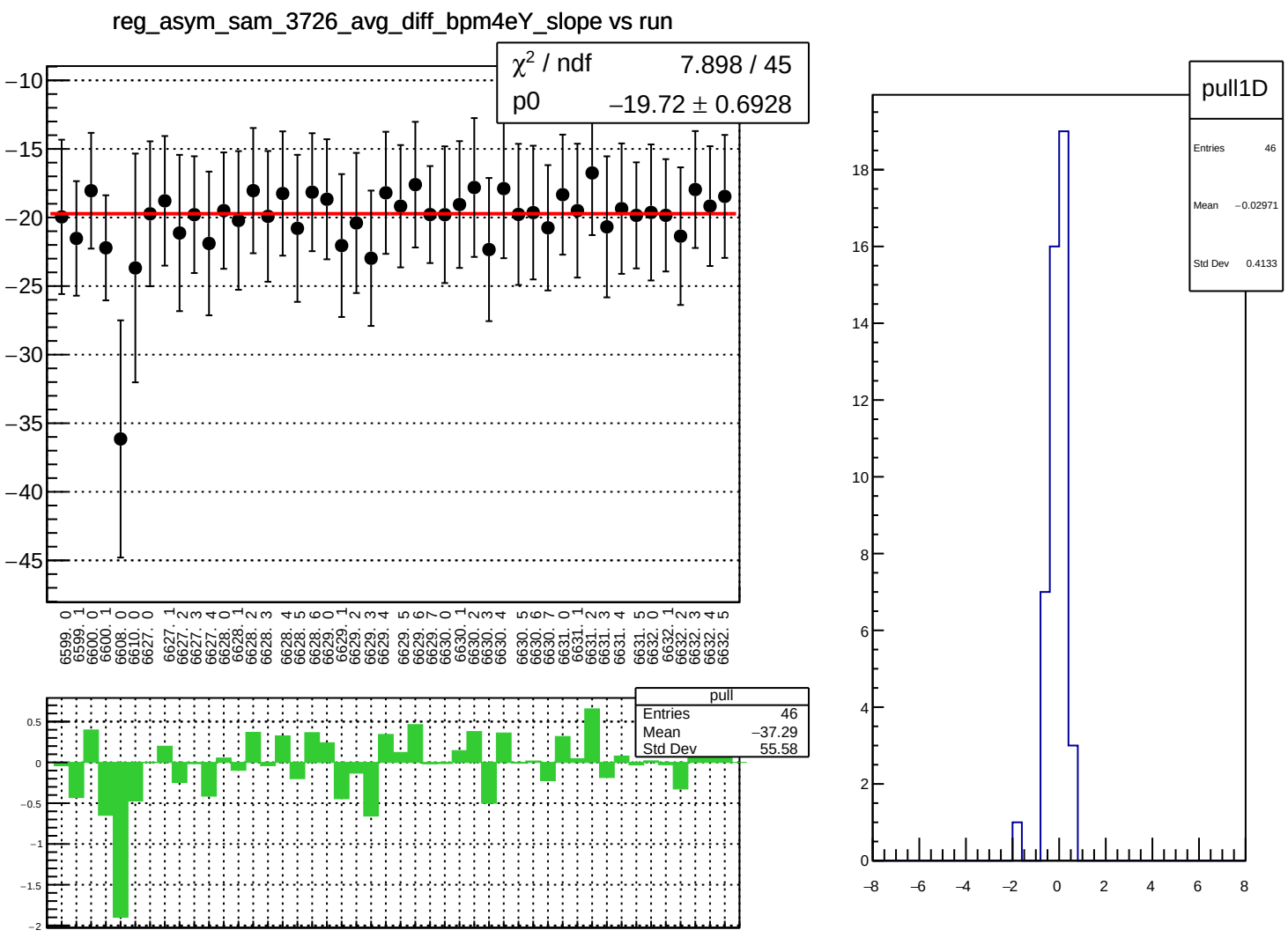

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 6.903 / 45
p0 −11.91 ± 0.9067
pull
Entries 46
Mean −40.26
Std Dev 33.04

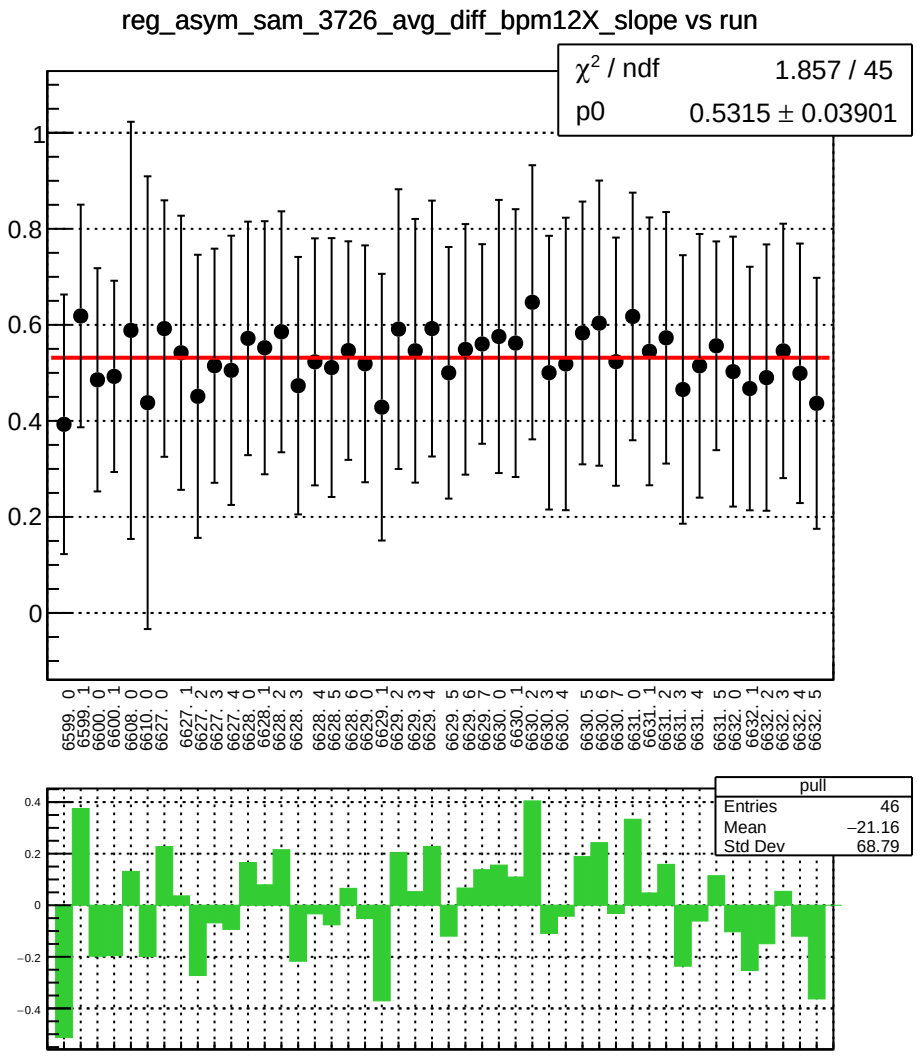

pull1D
Entries 46
Mean 0.007255
Std Dev 0.3873

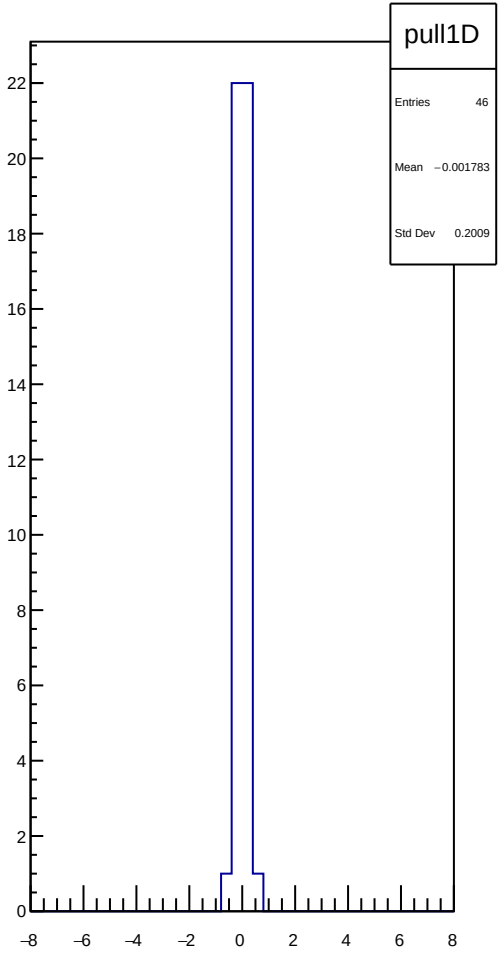

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.163 / 45
p0 5.135 ± 0.5701
pull
Entries 46
Mean −29.25
Std Dev 48.47
pull1D
Entries 46
Mean 0.01801
Std Dev 0.3003

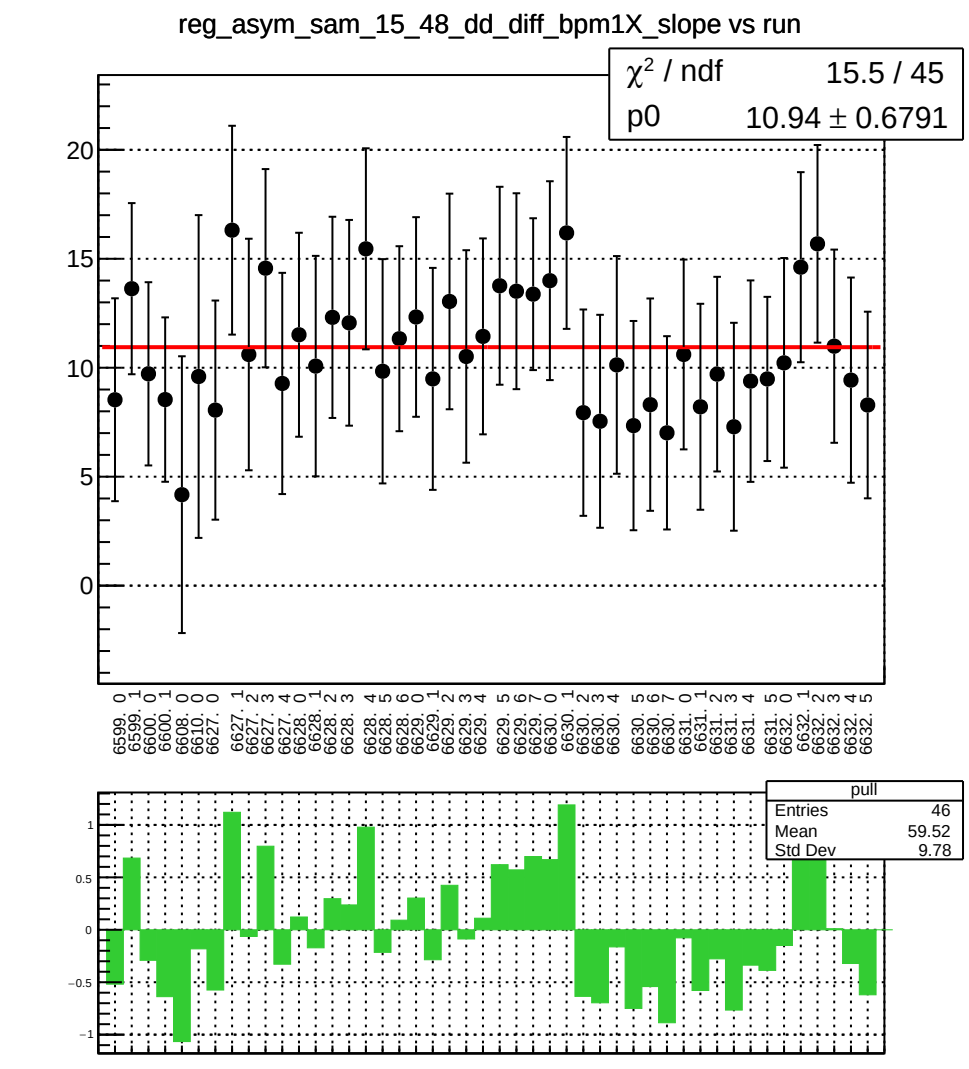

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.05 / 45
p0 −62 ± 0.9703
pull
Entries 46
Mean −19.46
Std Dev 26.07

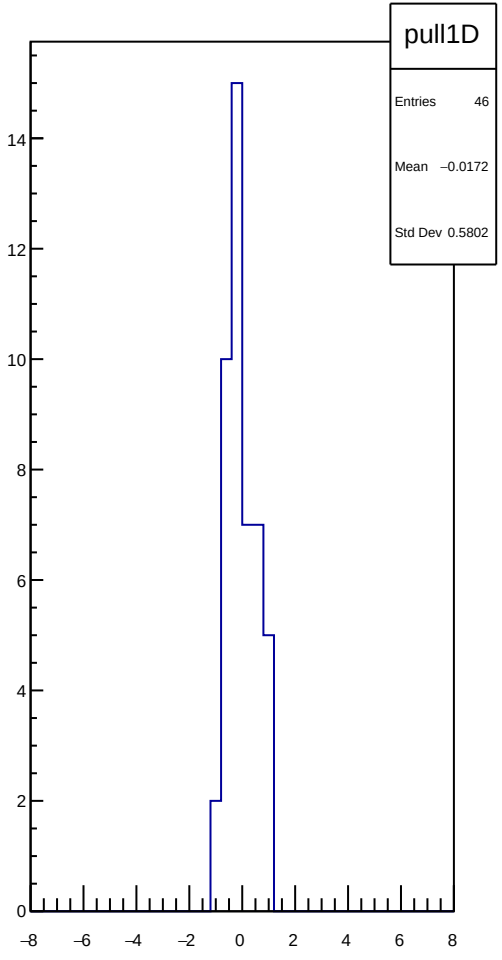

pull1D
Entries 46
Mean −0.02651
Std Dev 0.4895

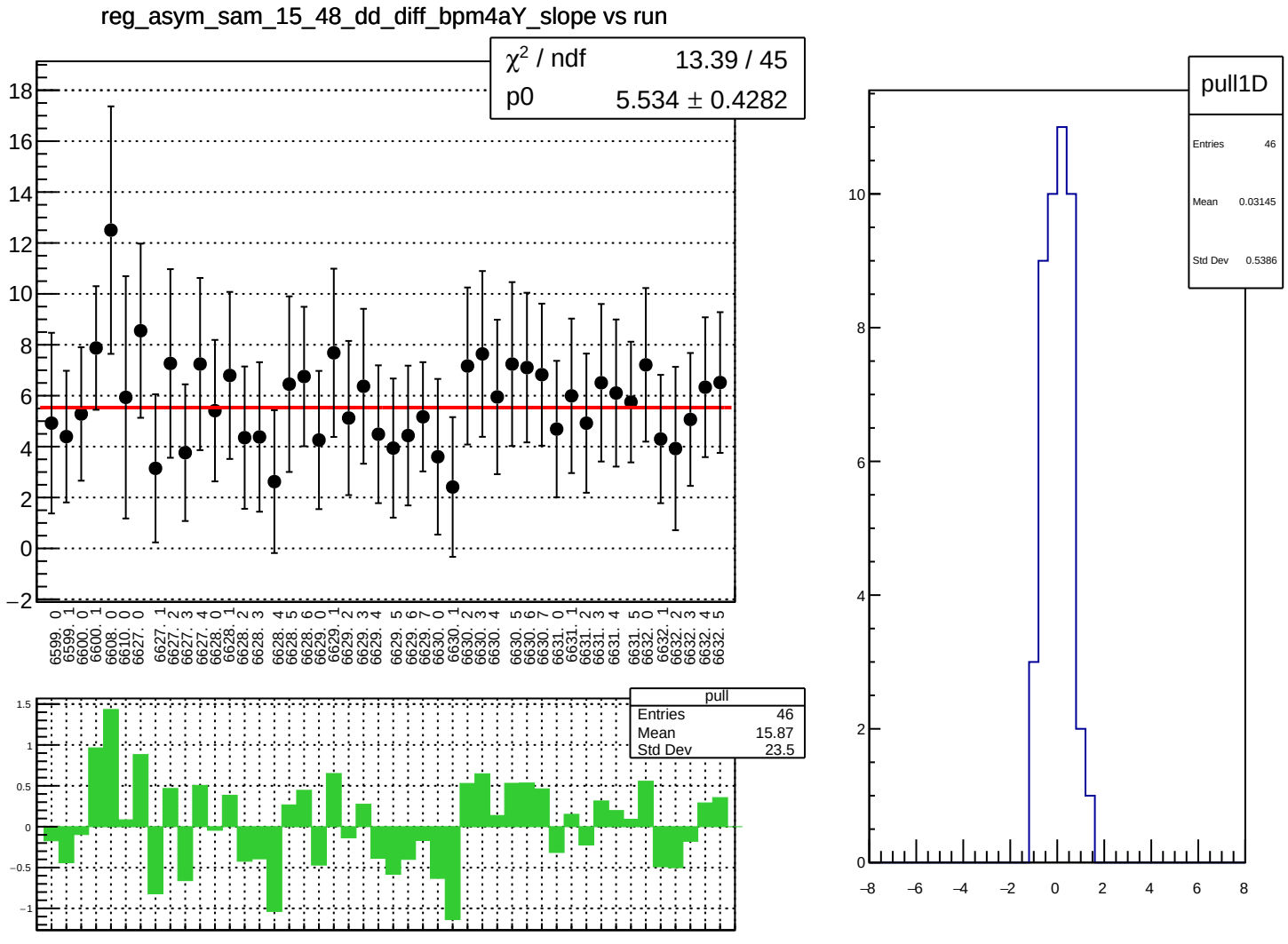

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.898 / 45
p0 −19.72 ± 0.6928
pull
Entries 46
Mean −37.29
Std Dev 55.58
pull1D
Entries 46
Mean −0.02971
Std Dev 0.4133

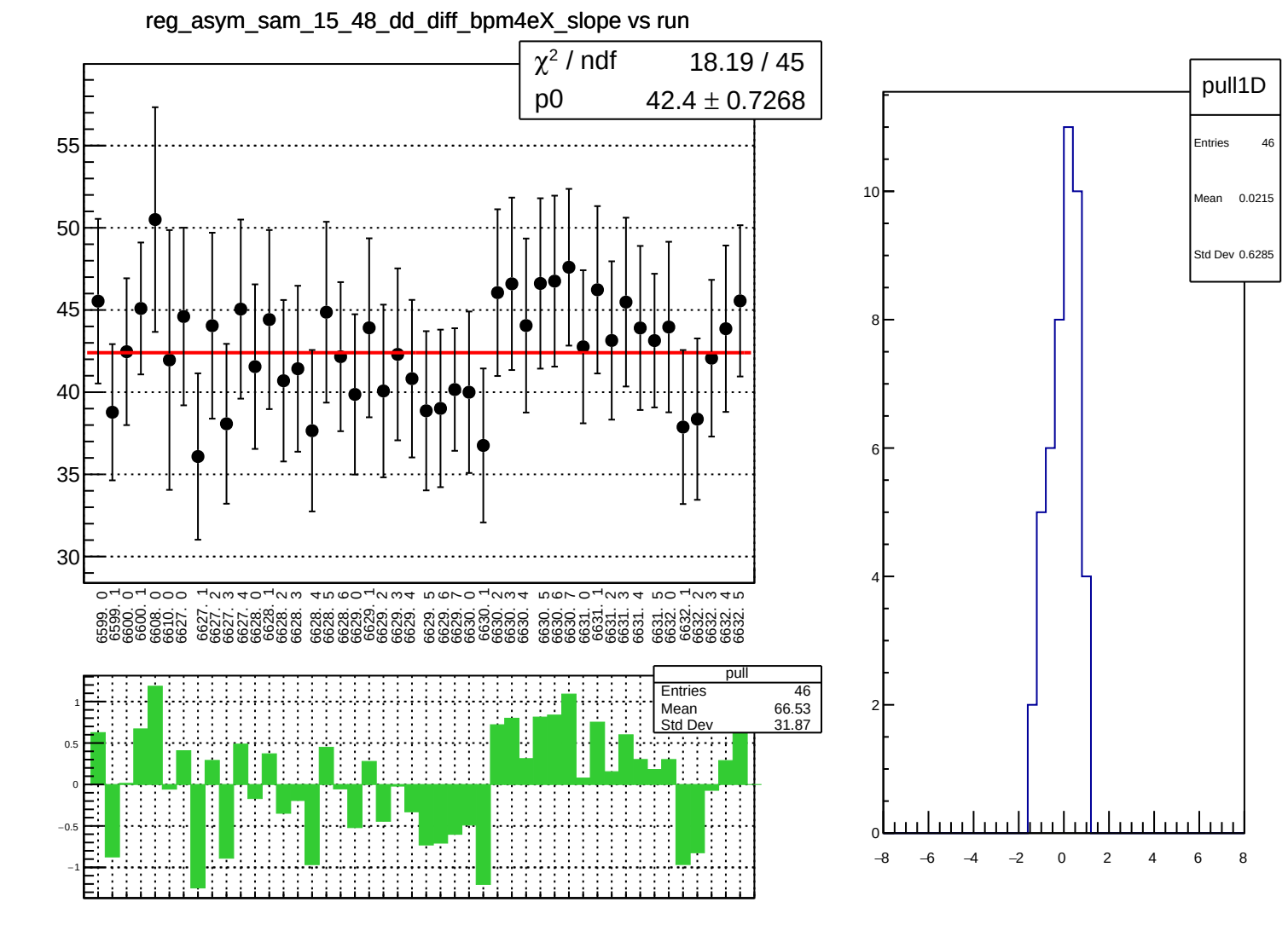

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 1.857 / 45
p0 0.5315 ± 0.03901
pull
Entries 46
Mean −21.16
Std Dev 68.79

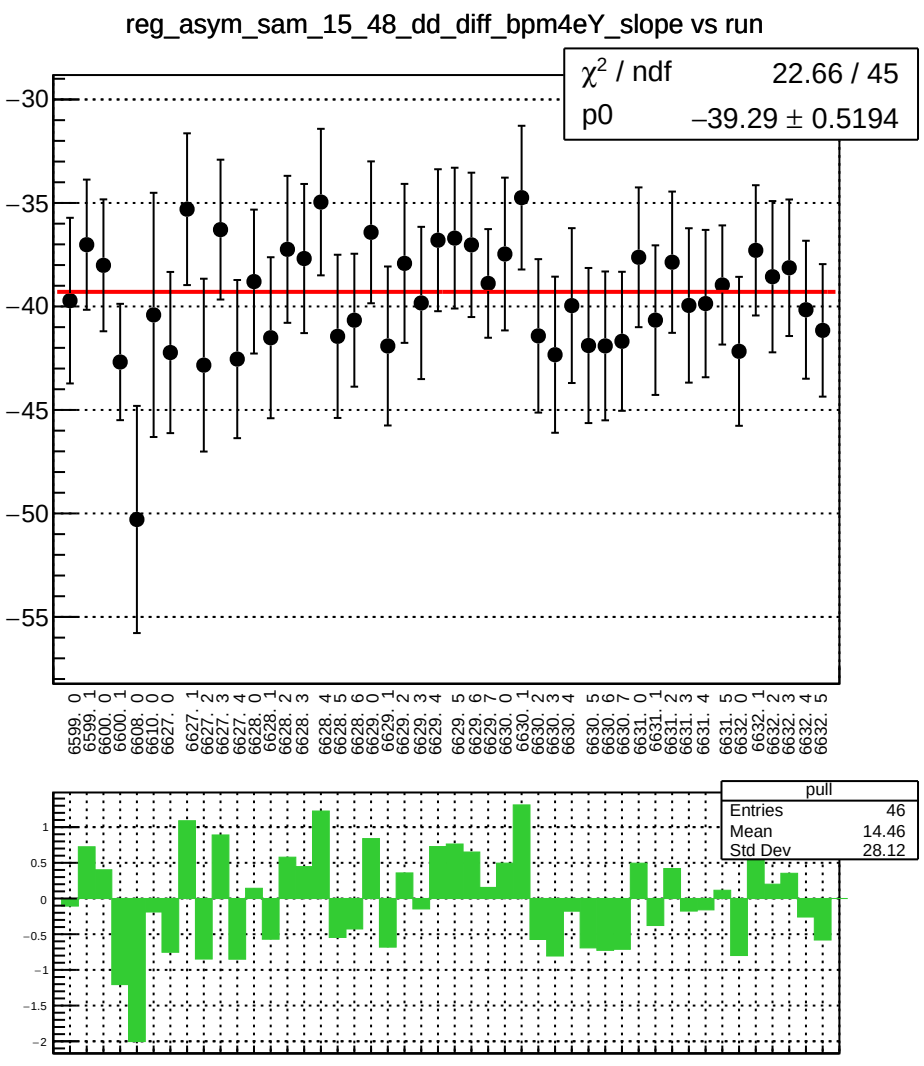

pull1D
Entries 46
Mean −0.001783
Std Dev 0.2009

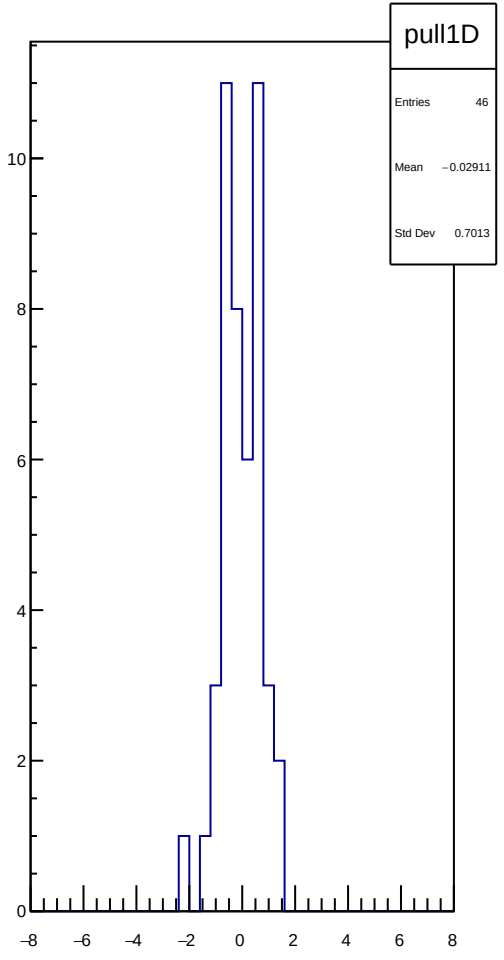

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 15.5 / 45
p0 10.94 ± 0.6791
pull
Entries 46
Mean 59.52
Std Dev 9.78

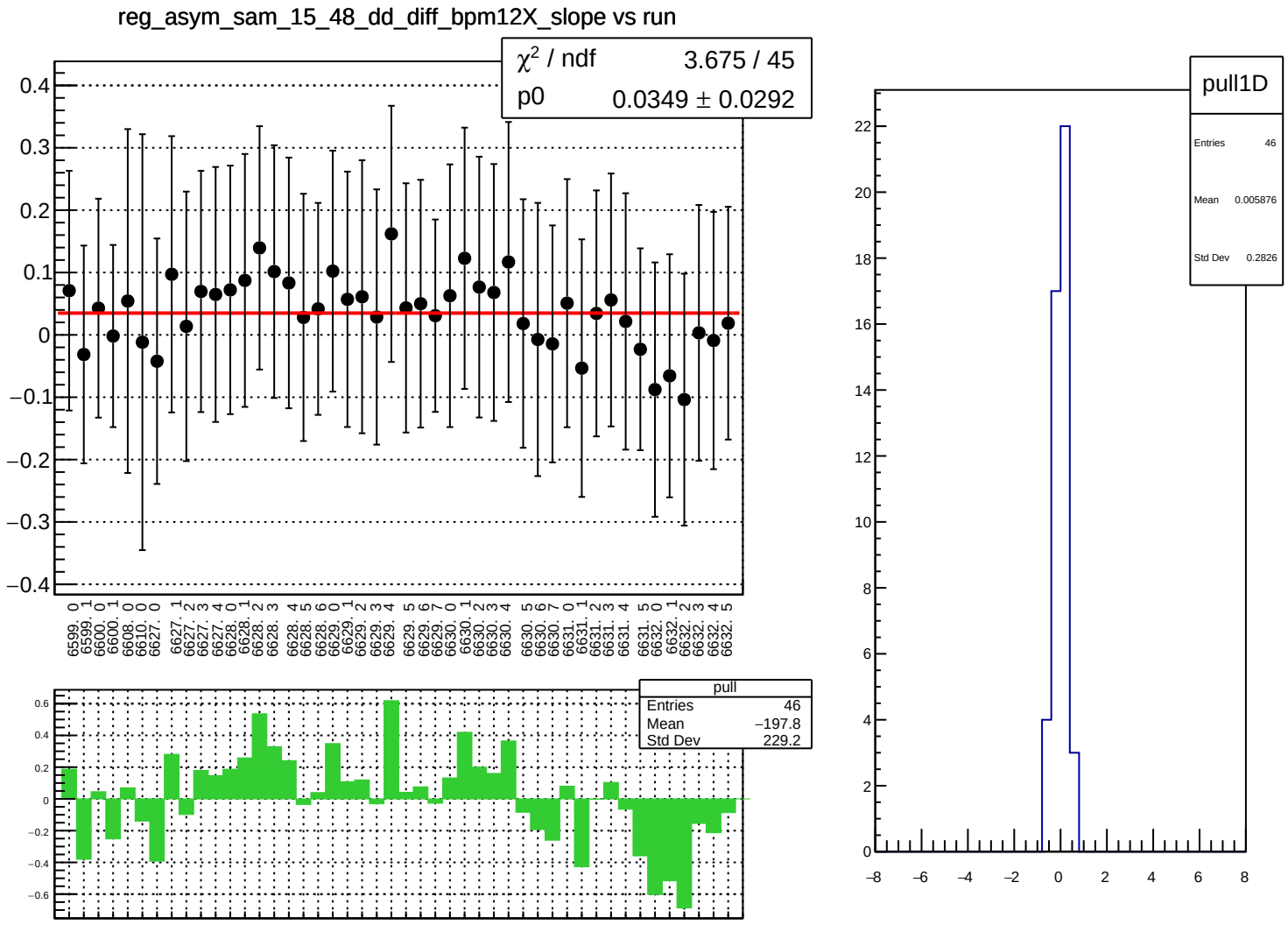

pull1D
Entries 46
Mean −0.0172
Std Dev 0.5802

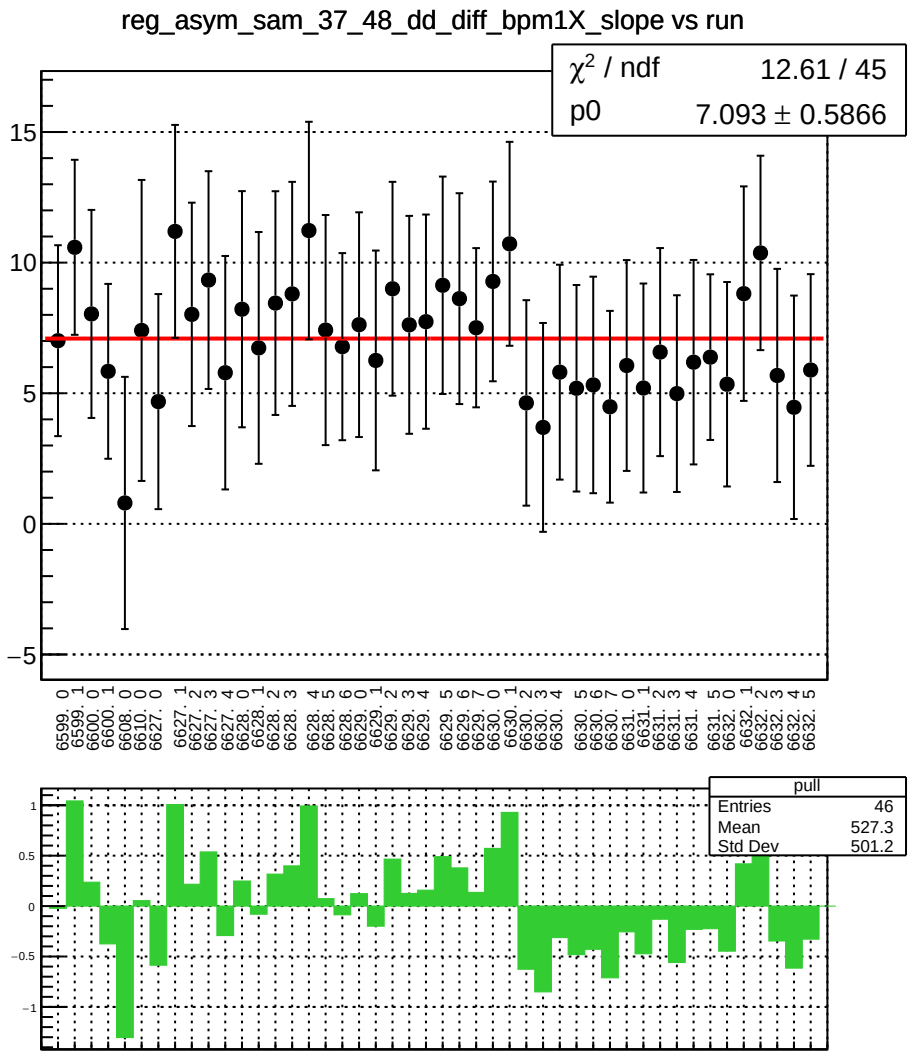

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.39 / 45
p0 5.534 ± 0.4282
pull
Entries 46
Mean 15.87
Std Dev 23.5
pull1D
Entries 46
Mean 0.03145
Std Dev 0.5386

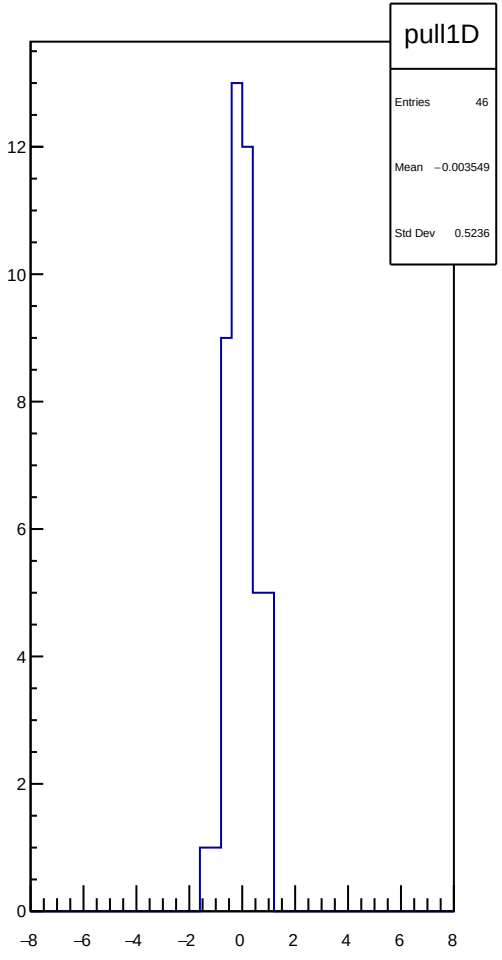

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.19 / 45
p0 42.4 ± 0.7268
pull
Entries 46
Mean 66.53
Std Dev 31.87
pull1D
Entries 46
Mean 0.0215
Std Dev 0.6285

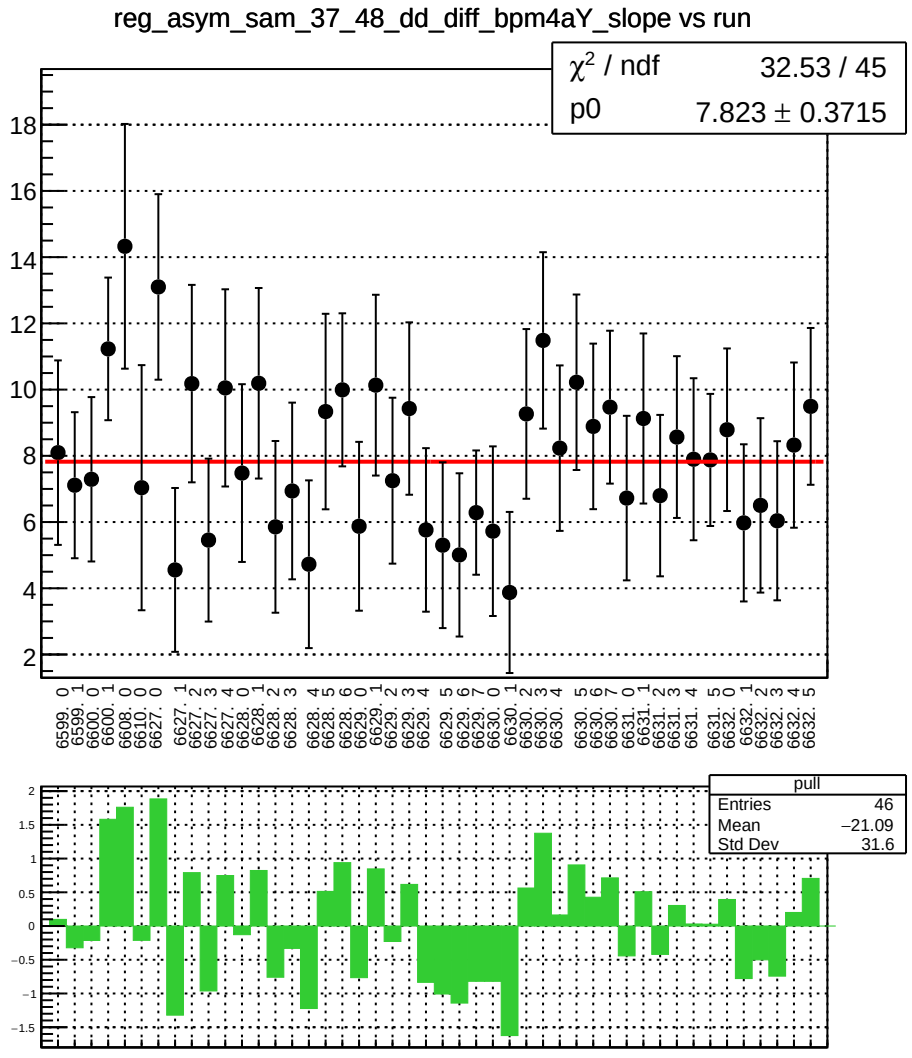

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.66 / 45
p0 −39.29 ± 0.5194
pull
Entries 46
Mean 14.46
Std Dev 28.12

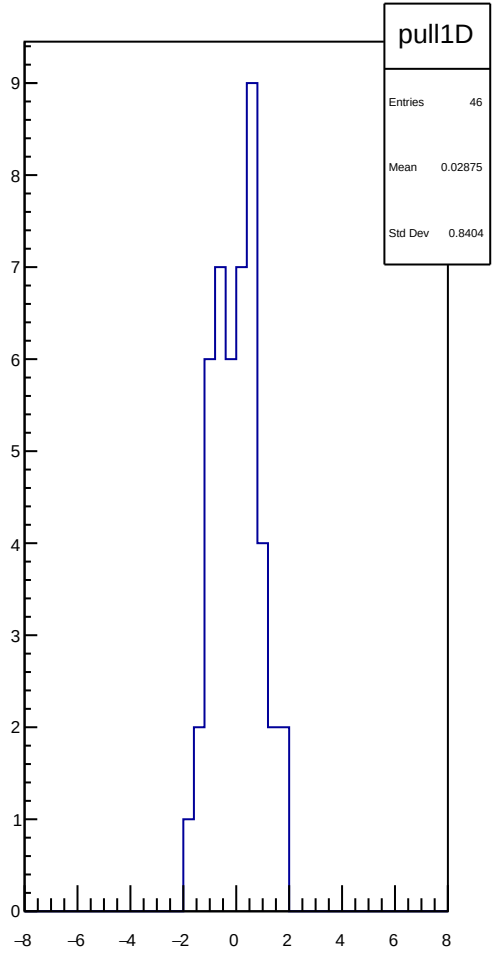

pull1D
Entries 46
Mean −0.02911
Std Dev 0.7013

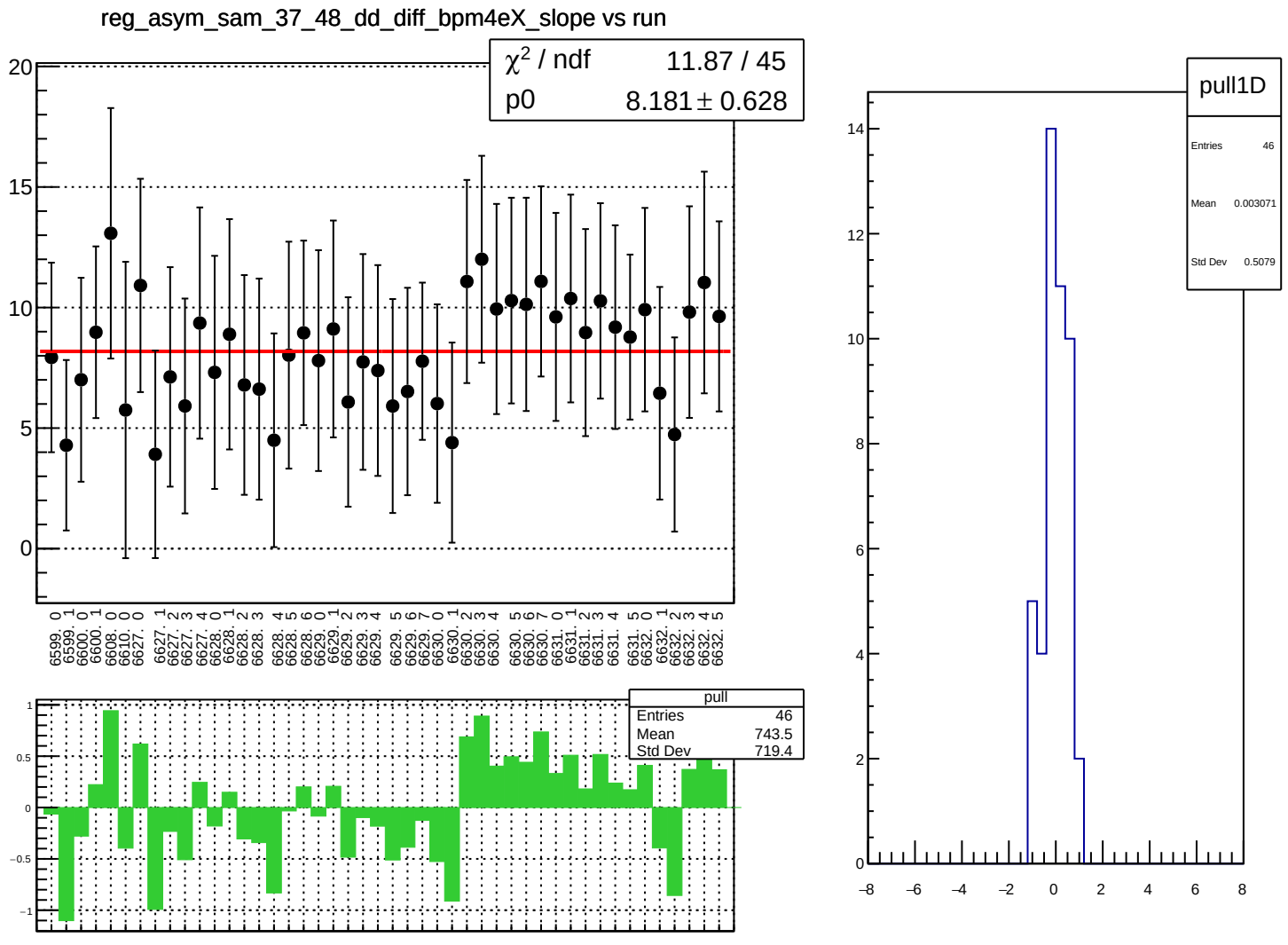

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.675 / 45
p0 0.0349 ± 0.0292
pull
Entries 46
Mean −197.8
Std Dev 229.2
pull1D
Entries 46
Mean 0.005876
Std Dev 0.2826

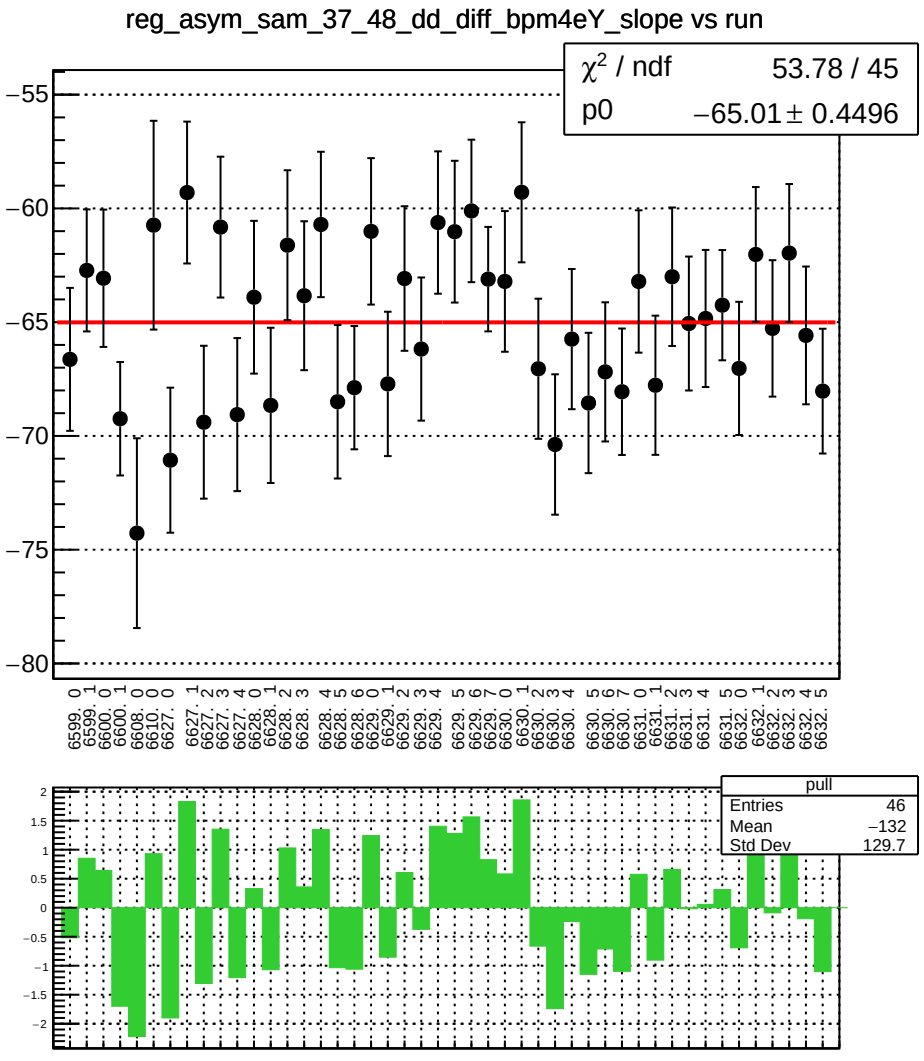

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 12.61 / 45
p0 7.093 ± 0.5866
pull
Entries 46
Mean 527.3
Std Dev 501.2

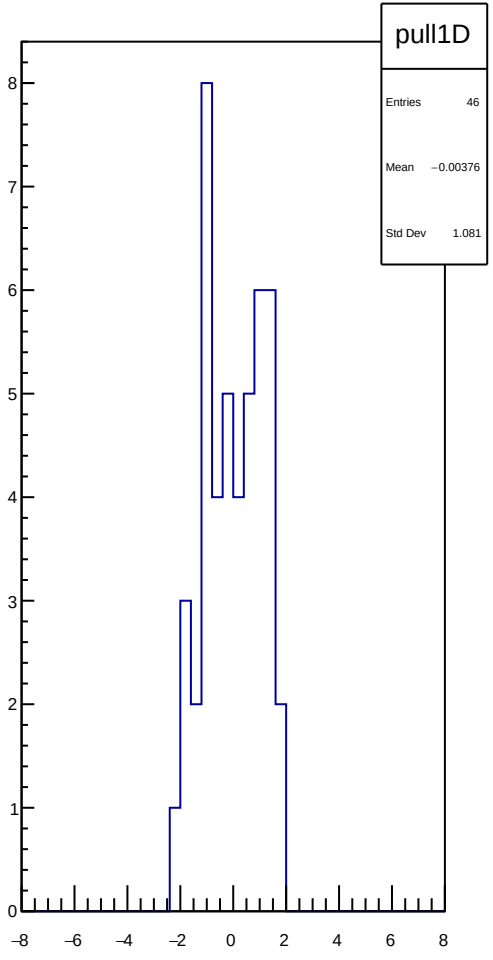

pull1D
Entries 46
Mean −0.003549
Std Dev 0.5236

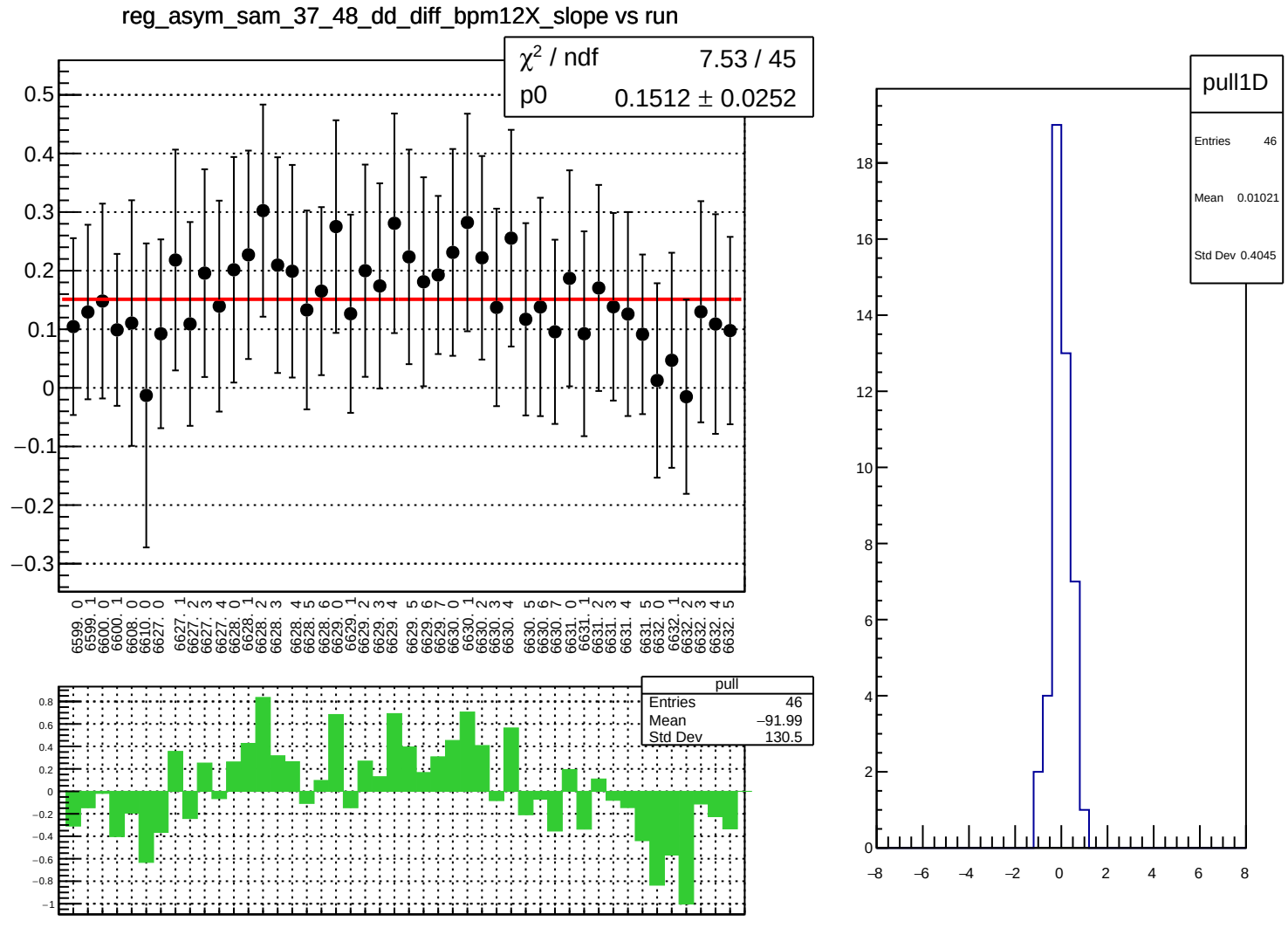

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.53 / 45
p0 7.823 ± 0.3715
pull
Entries 46
Mean −21.09
Std Dev 31.6

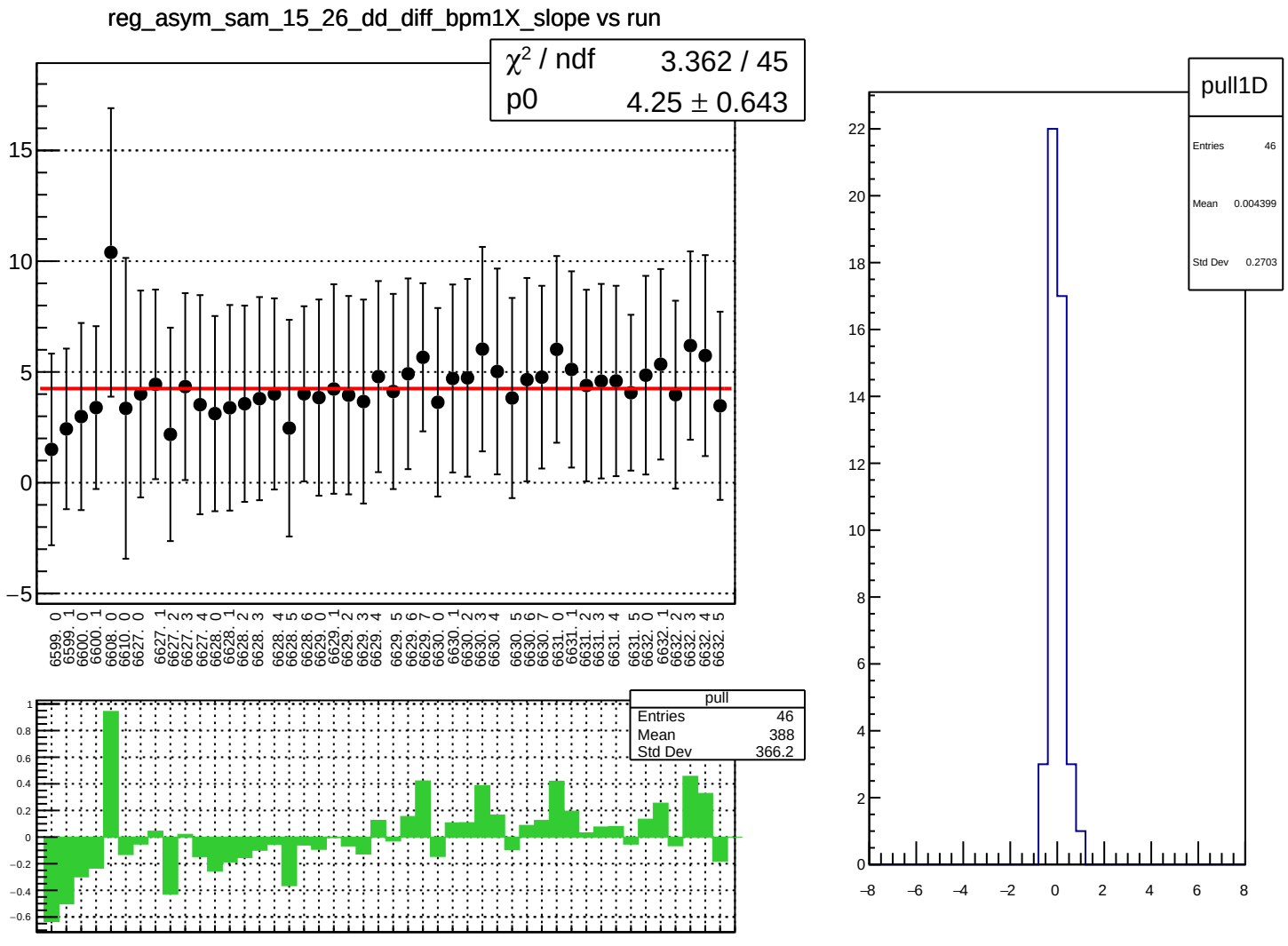

pull1D
Entries 46
Mean 0.02875
Std Dev 0.8404

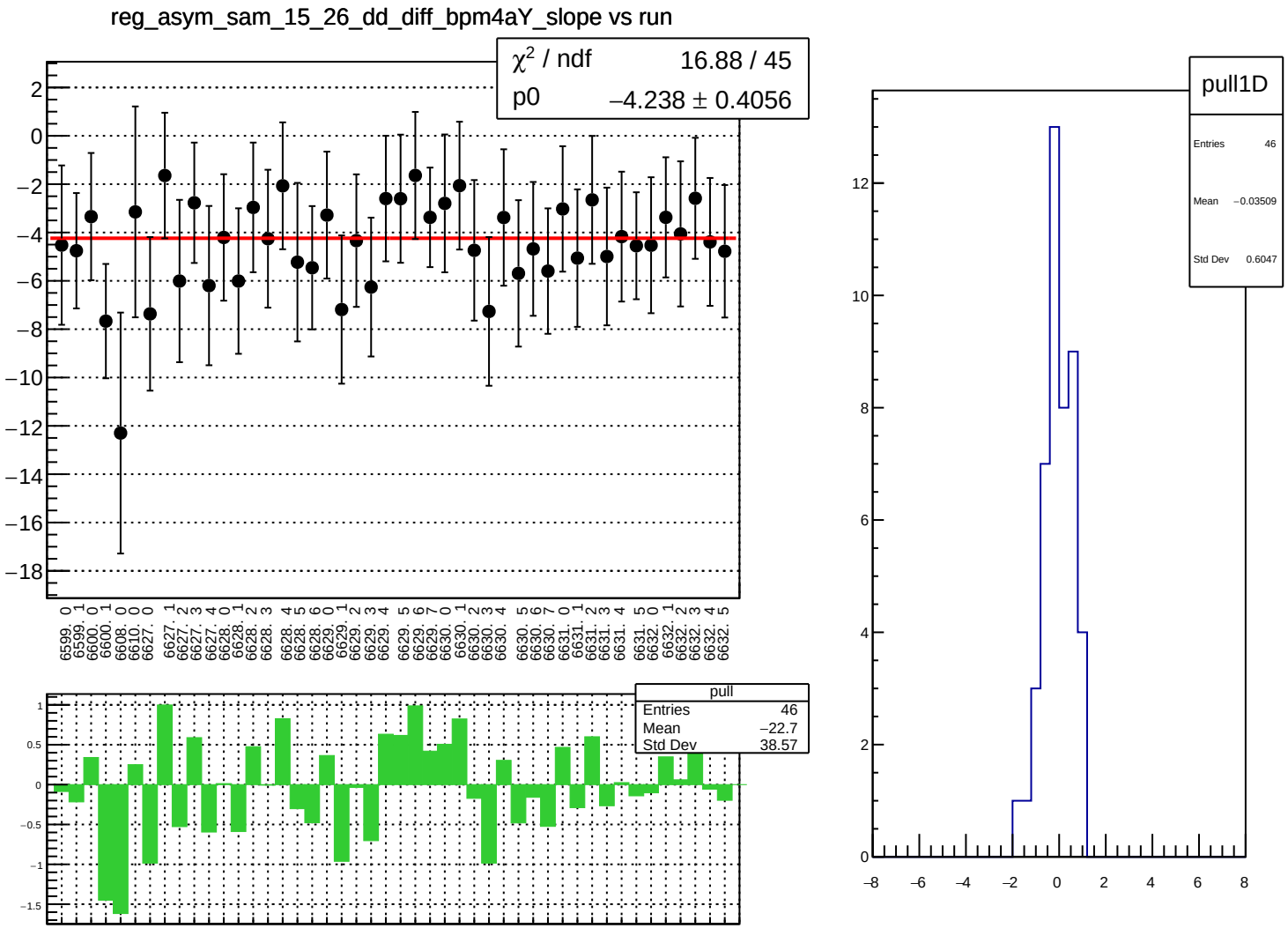

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.87 / 45
p0 8.181 ± 0.628
pull
Entries 46
Mean 743.5
Std Dev 719.4
pull1D
Entries 46
Mean 0.003071
Std Dev 0.5079

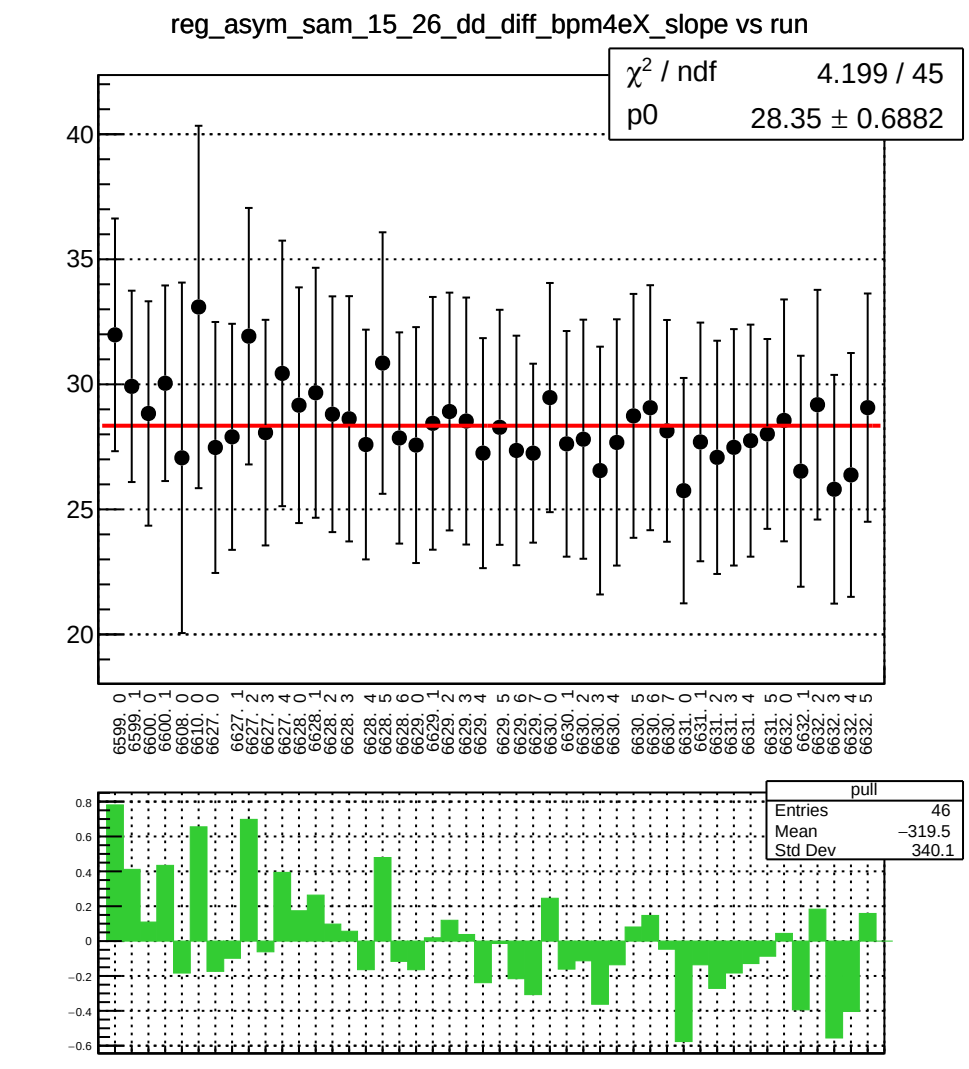

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.78 / 45
p0 −65.01 ± 0.4496
−55
−60
−65
−70
−75
−80
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −132
Std Dev 129.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

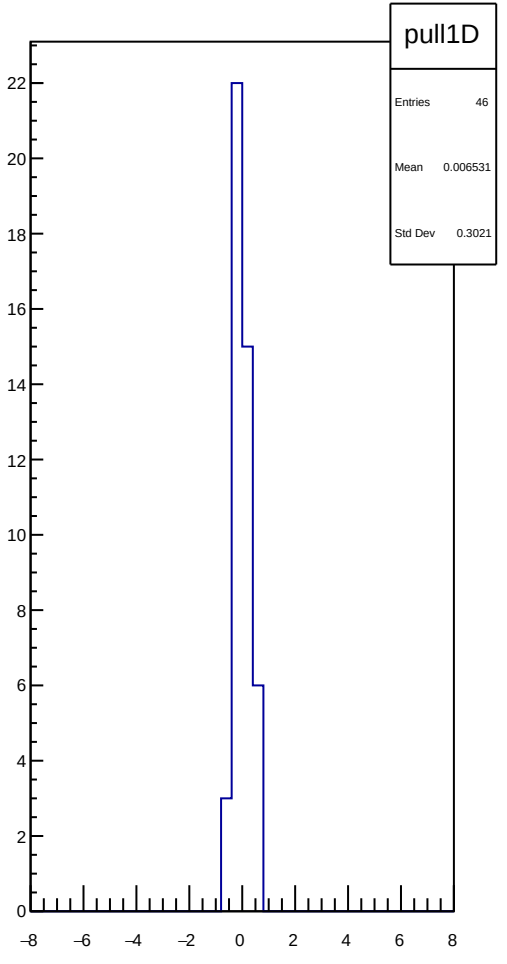

pull1D
Entries 46
Mean −0.00376
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

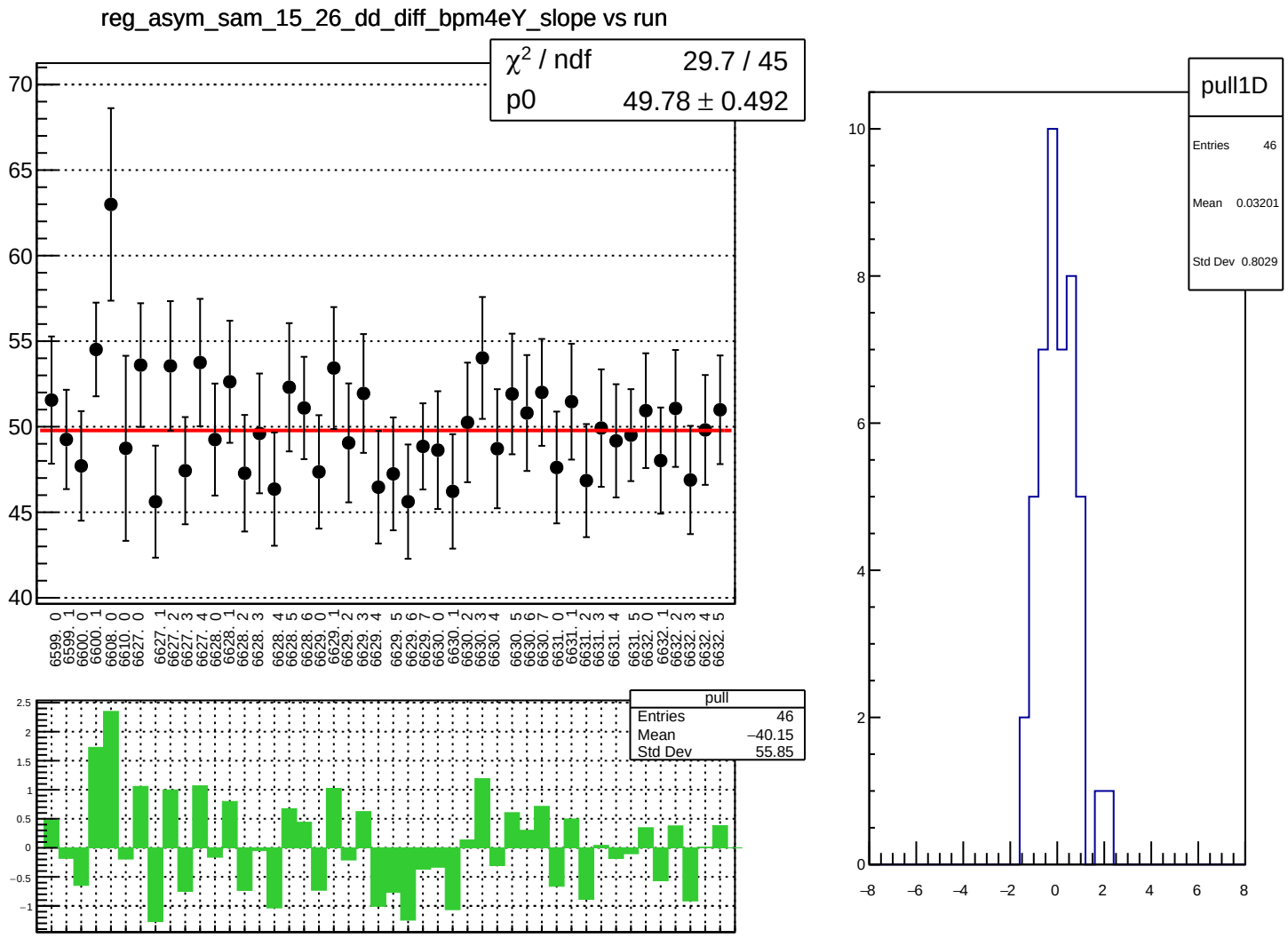

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.53 / 45
p0 0.1512 ± 0.0252
pull
Entries 46
Mean −91.99
Std Dev 130.5
pull1D
Entries 46
Mean 0.01021
Std Dev 0.4045

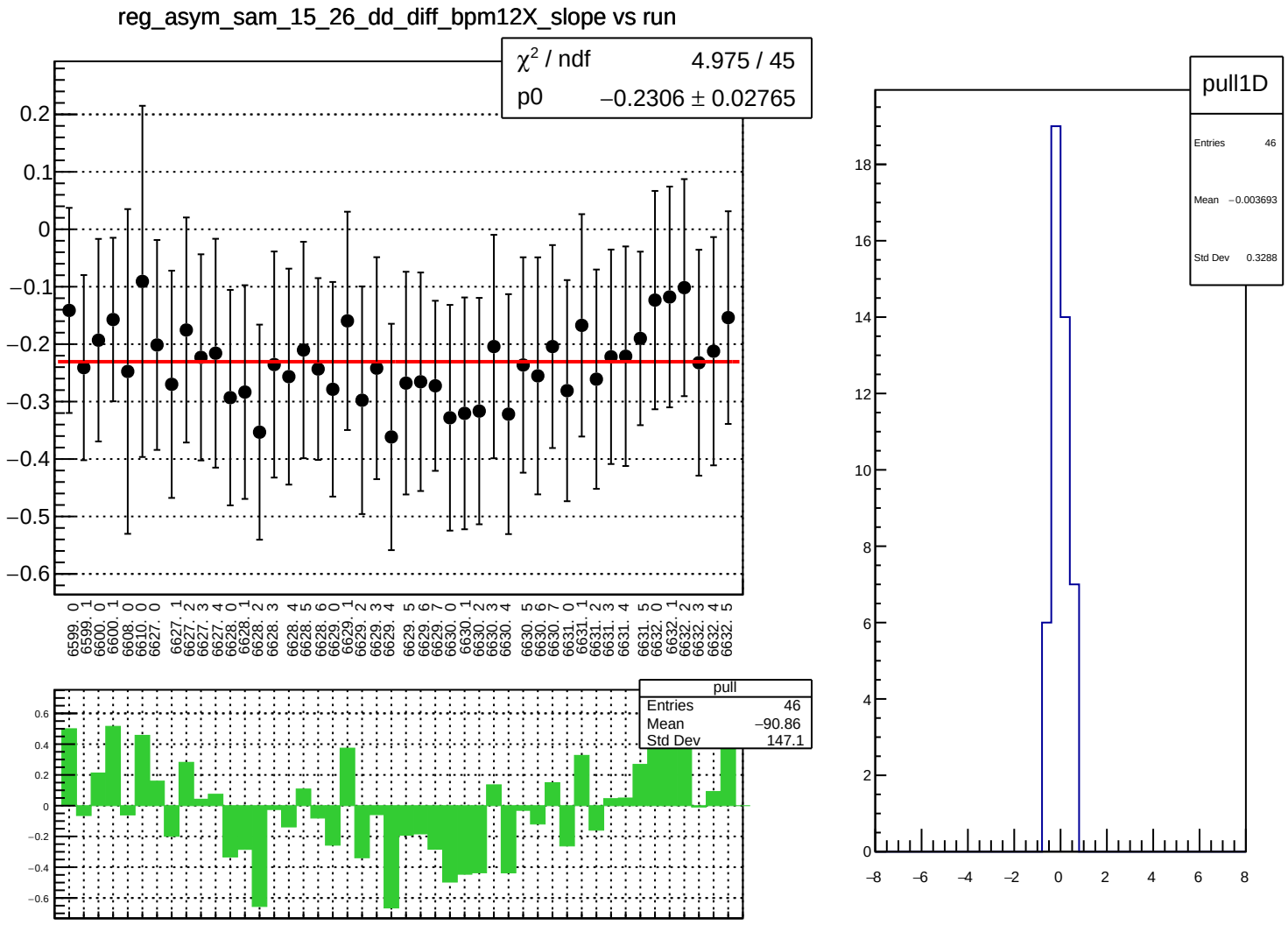

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.362 / 45
p0 4.25 ± 0.643
pull
Entries 46
Mean 388
Std Dev 366.2
pull1D
Entries 46
Mean 0.004399
Std Dev 0.2703

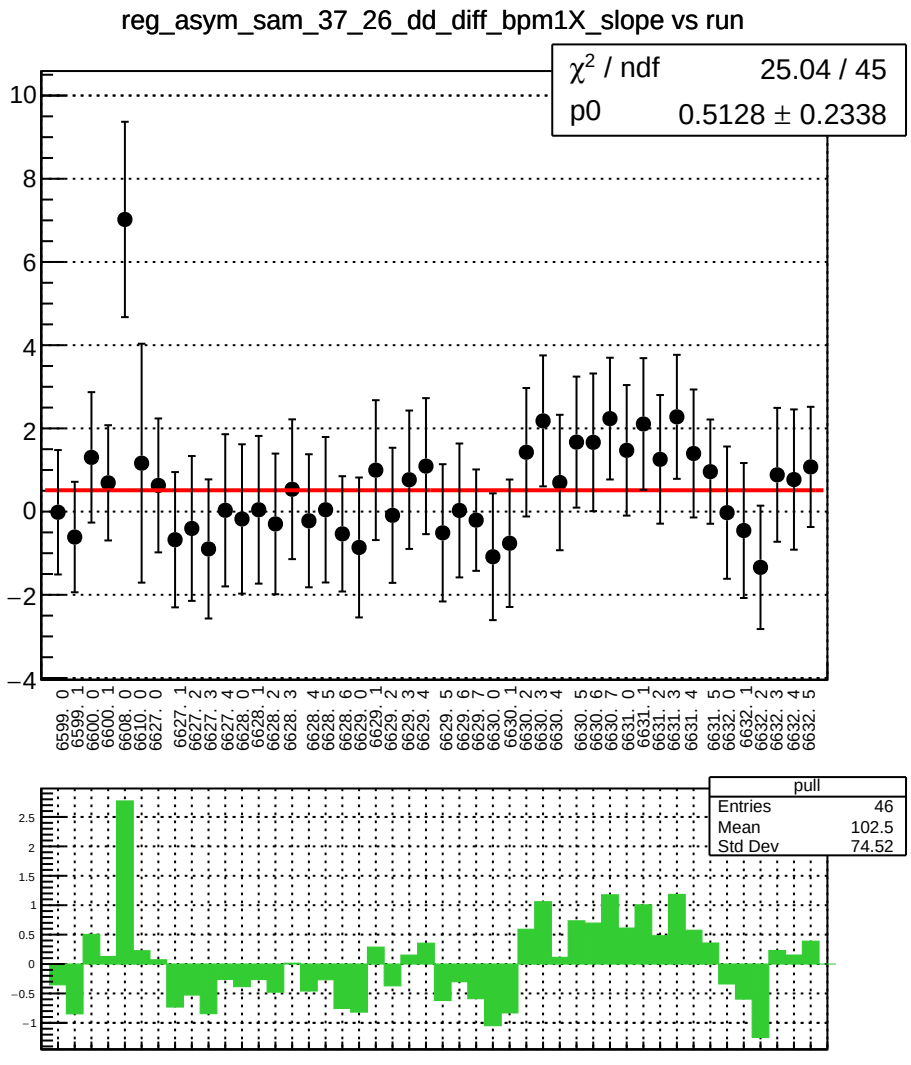

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.88 / 45
p0 −4.238 ± 0.4056
pull
Entries 46
Mean −22.7
Std Dev 38.57
pull1D
Entries 46
Mean −0.03509
Std Dev 0.6047

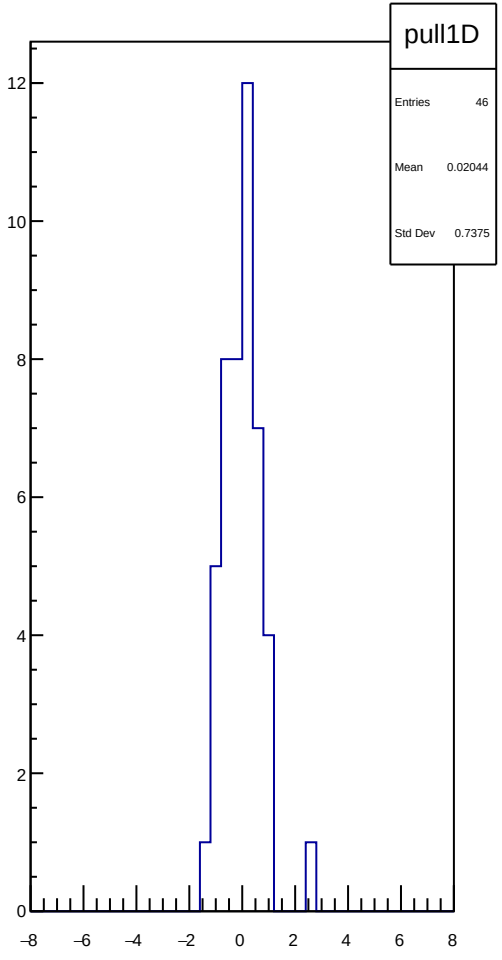

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.199 / 45
p0 28.35 ± 0.6882
pull
Entries 46
Mean −319.5
Std Dev 340.1

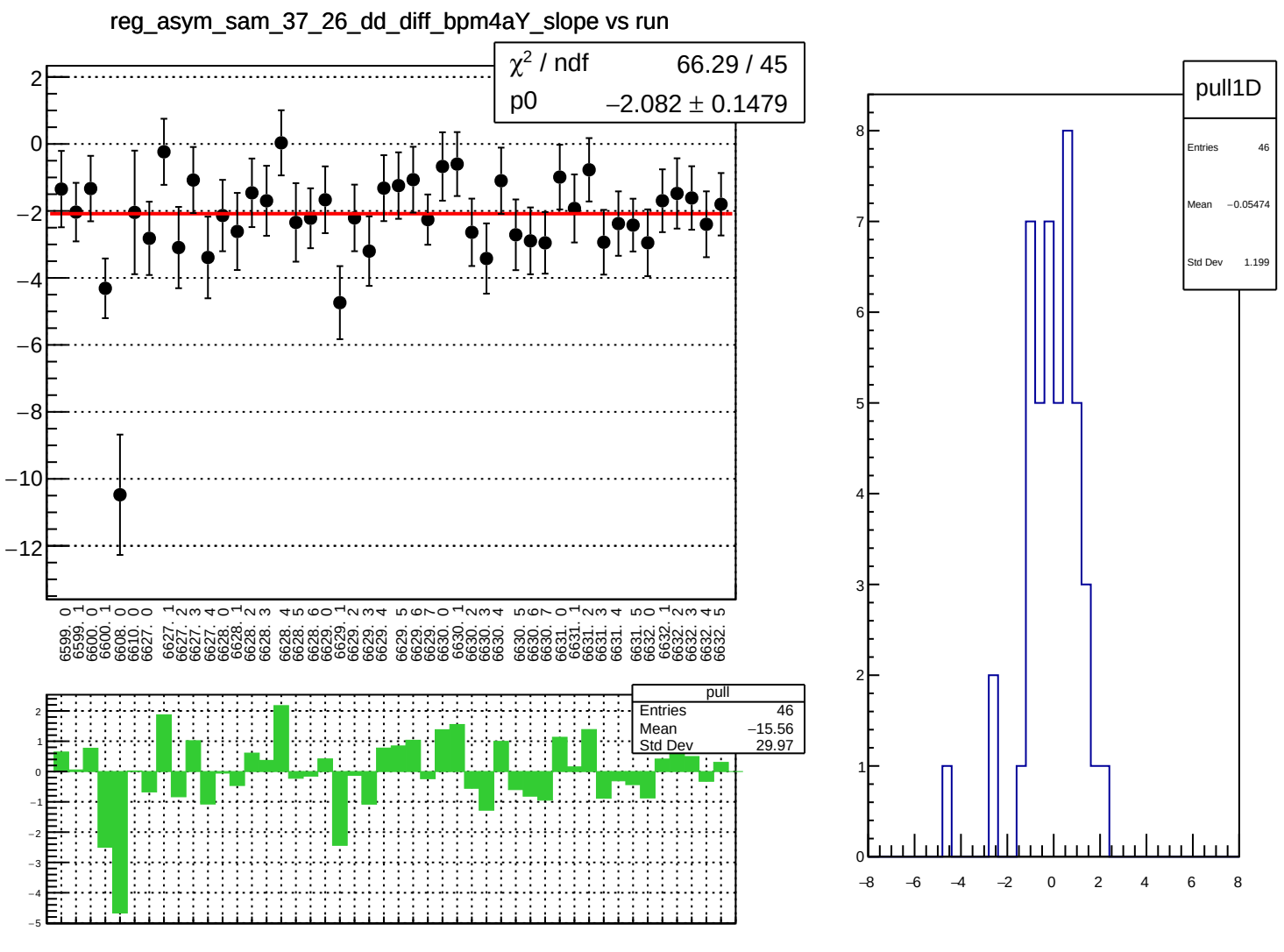

pull1D
Entries 46
Mean 0.006531
Std Dev 0.3021

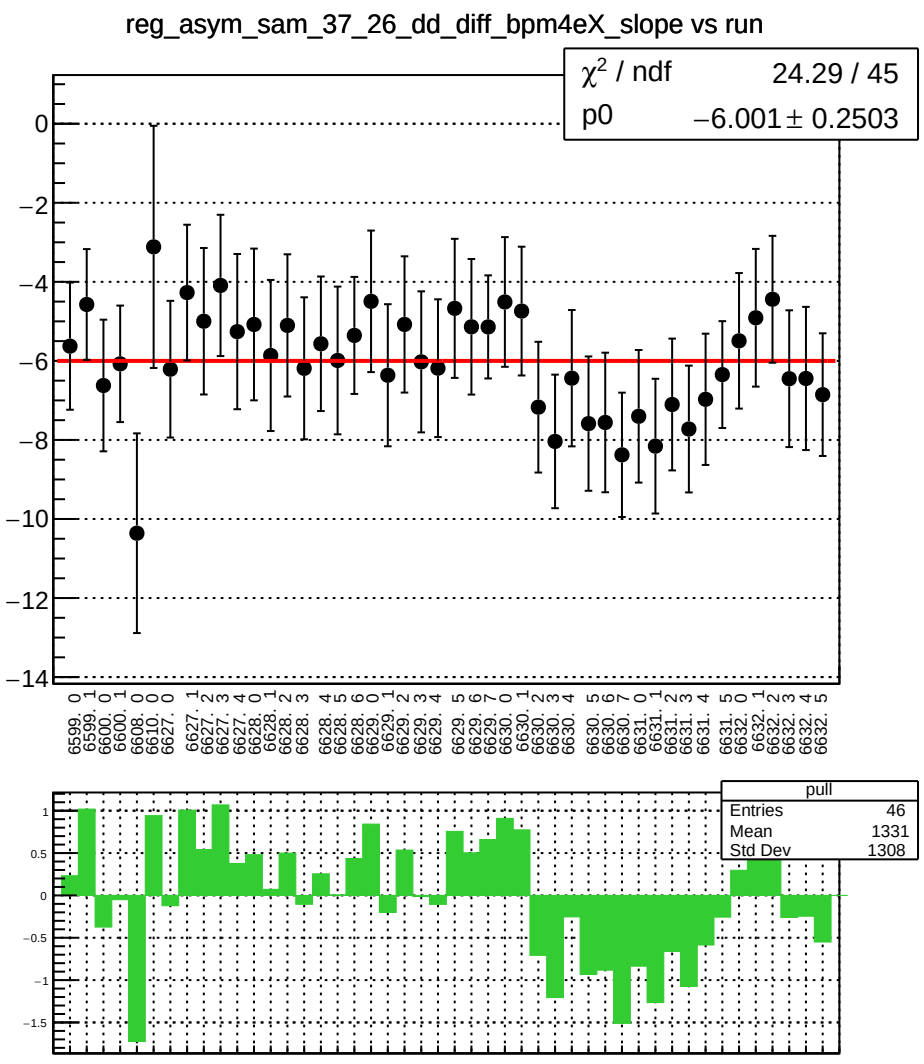

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.7 / 45
p0 49.78 ± 0.492
pull
Entries 46
Mean −40.15
Std Dev 55.85
pull1D
Entries 46
Mean 0.03201
Std Dev 0.8029

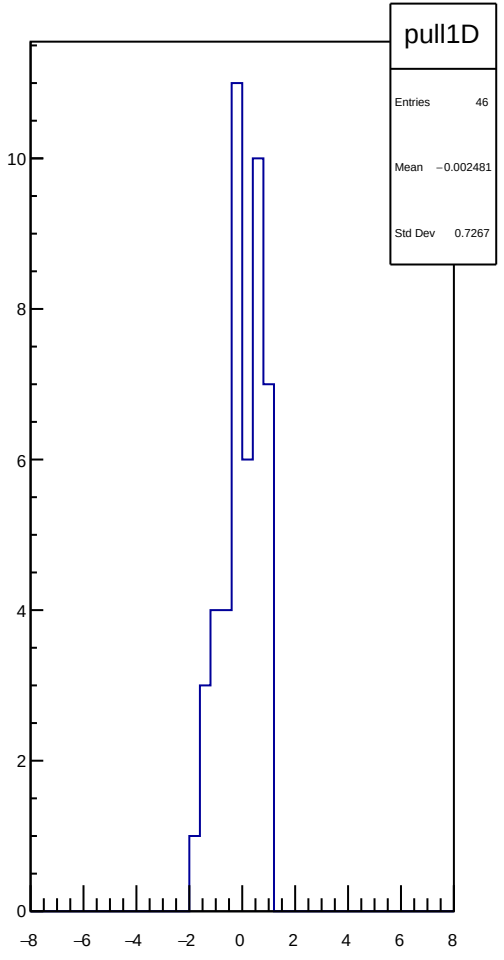

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 4.975 / 45
p0 −0.2306 ± 0.02765
pull
Entries 46
Mean −90.86
Std Dev 147.1
pull1D
Entries 46
Mean −0.003693
Std Dev 0.3288

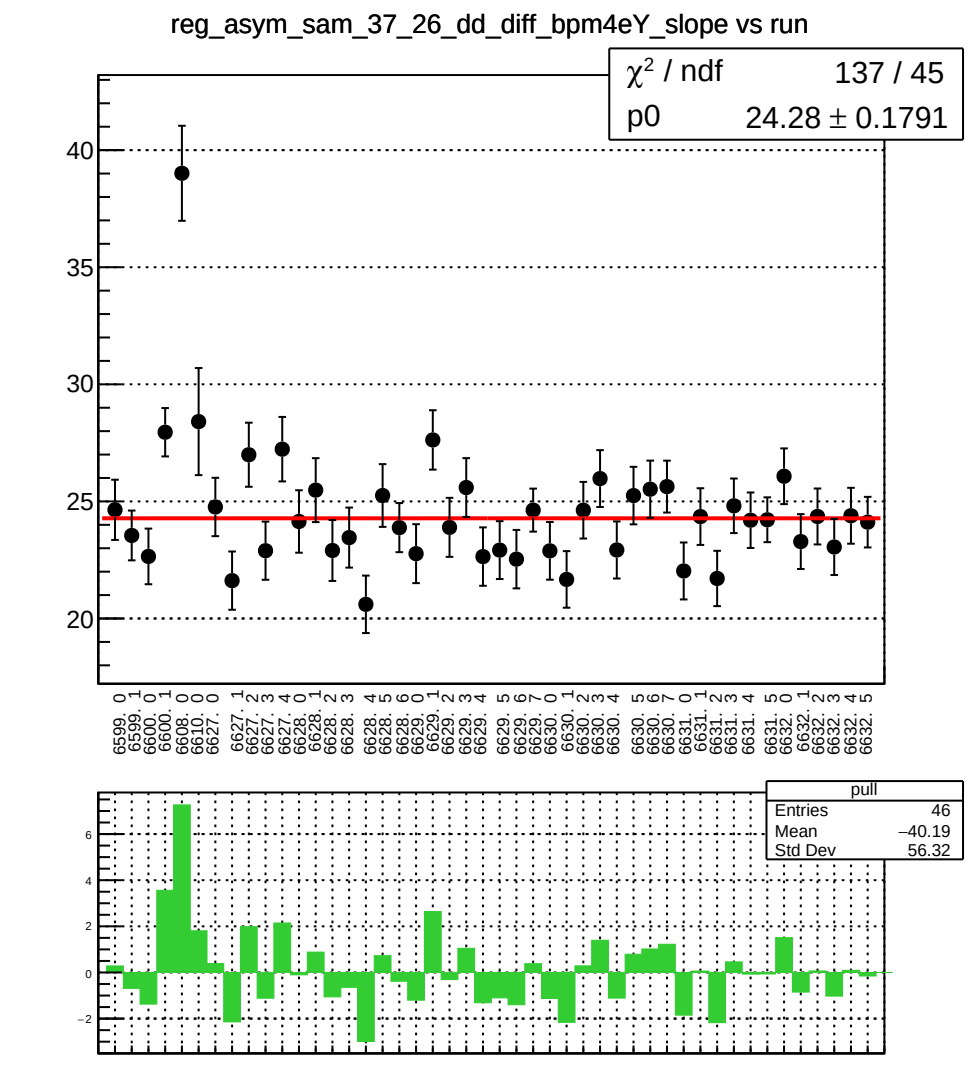

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 25.04 / 45
p0 0.5128 ± 0.2338
pull
Entries 46
Mean 102.5
Std Dev 74.52

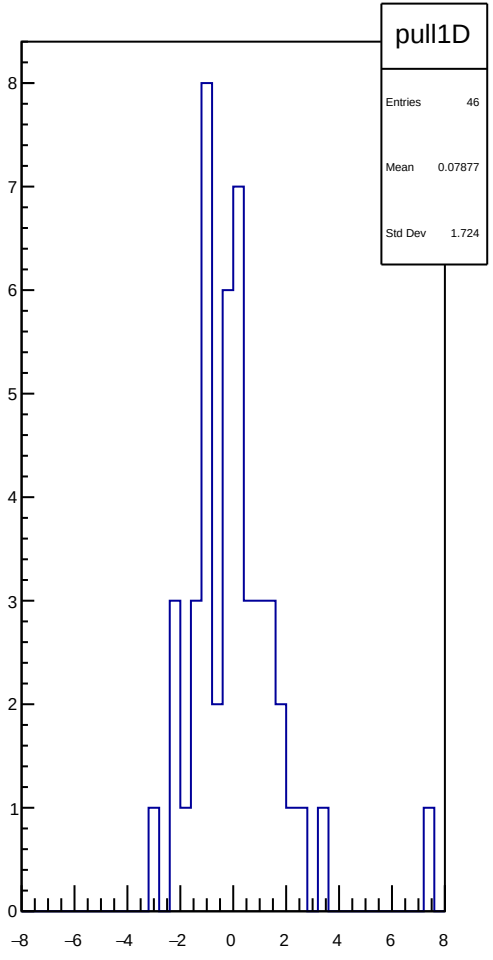

pull1D
Entries 46
Mean 0.02044
Std Dev 0.7375

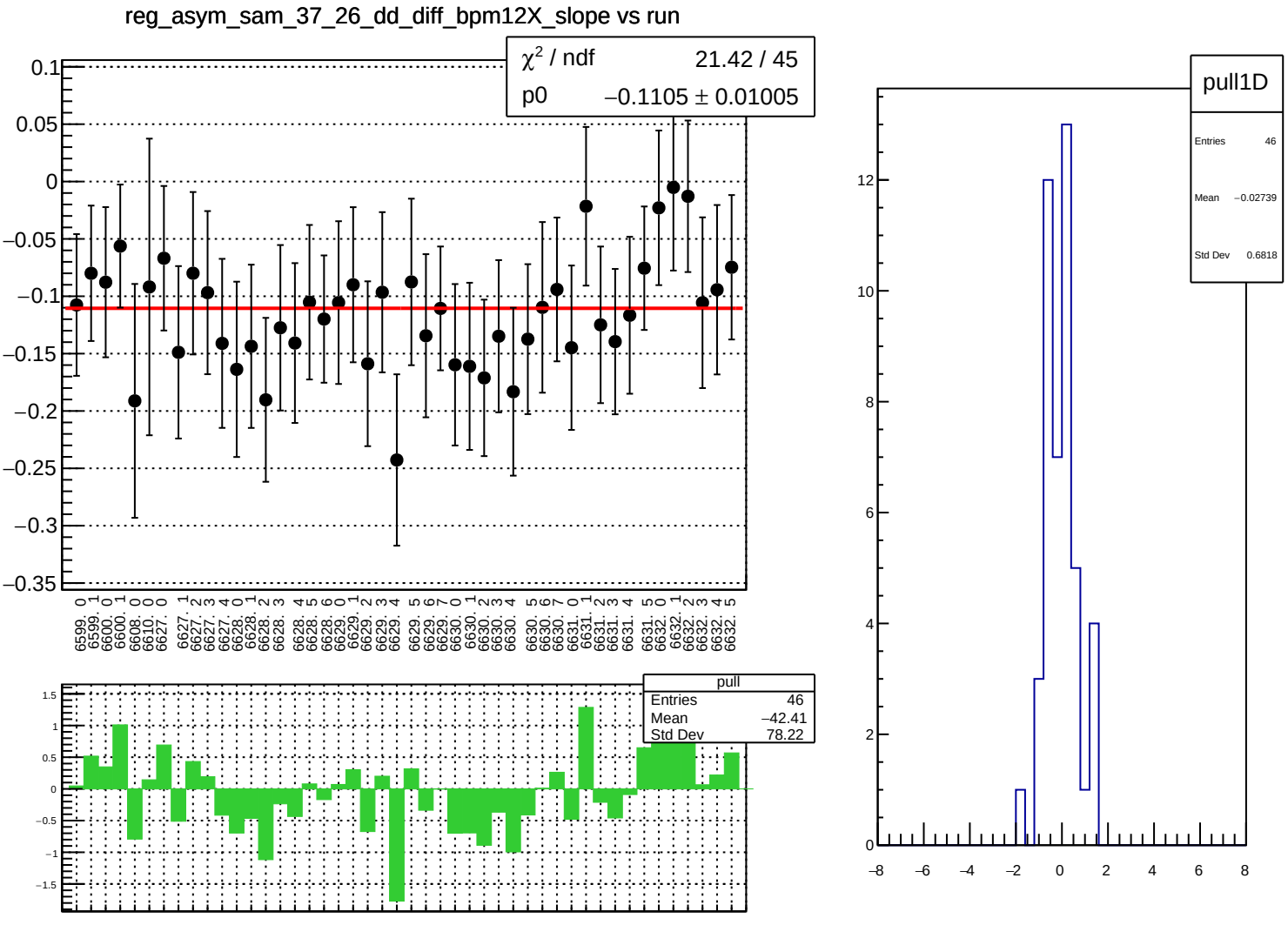

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.29 / 45
p0 −2.082 ± 0.1479
pull
Entries 46
Mean −15.56
Std Dev 29.97
pull1D
Entries 46
Mean −0.05474
Std Dev 1.199

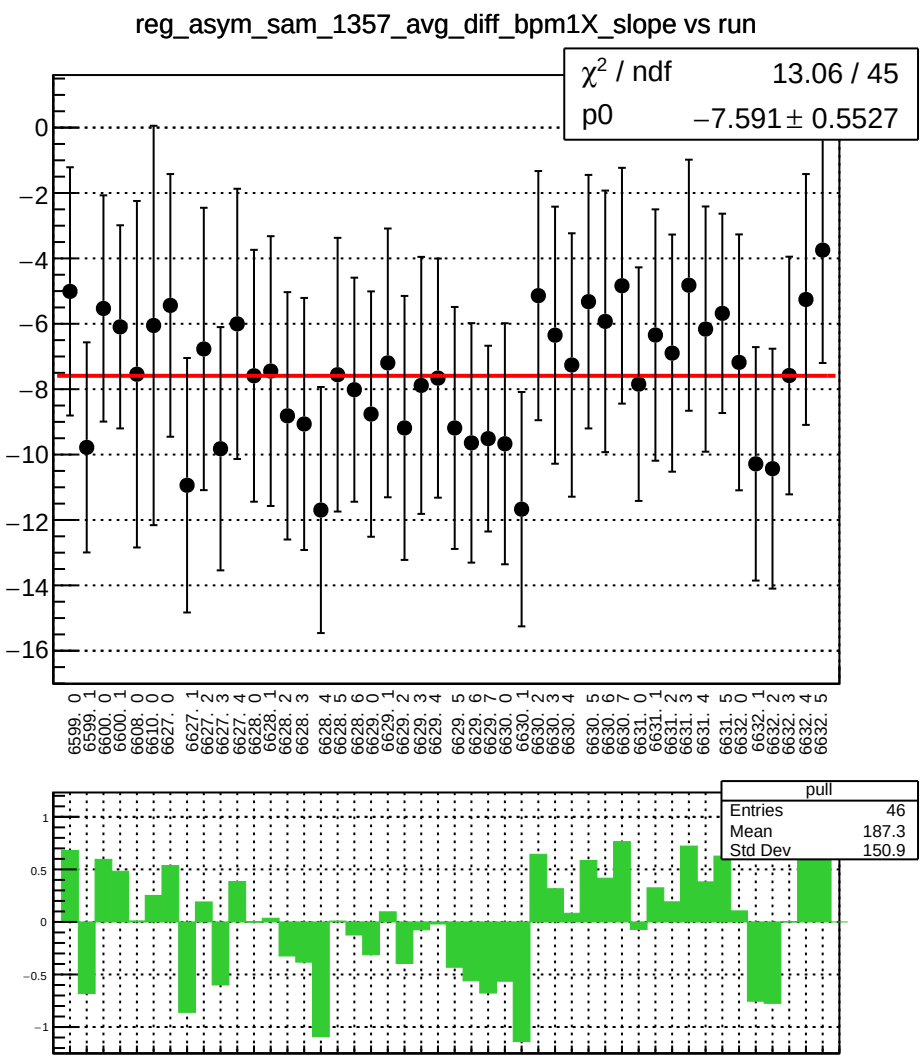

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.29 / 45
p0 −6.001 ± 0.2503
pull
Entries 46
Mean 1331
Std Dev 1308

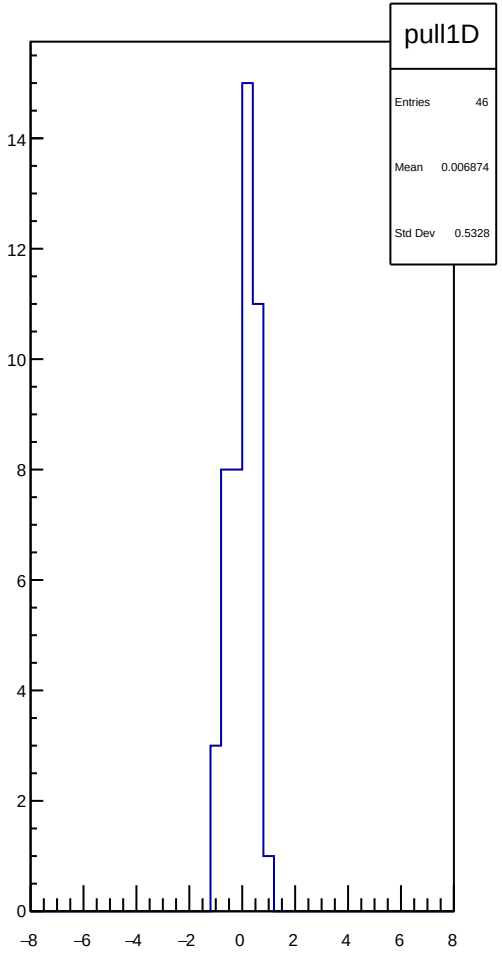

pull1D
Entries 46
Mean −0.002481
Std Dev 0.7267

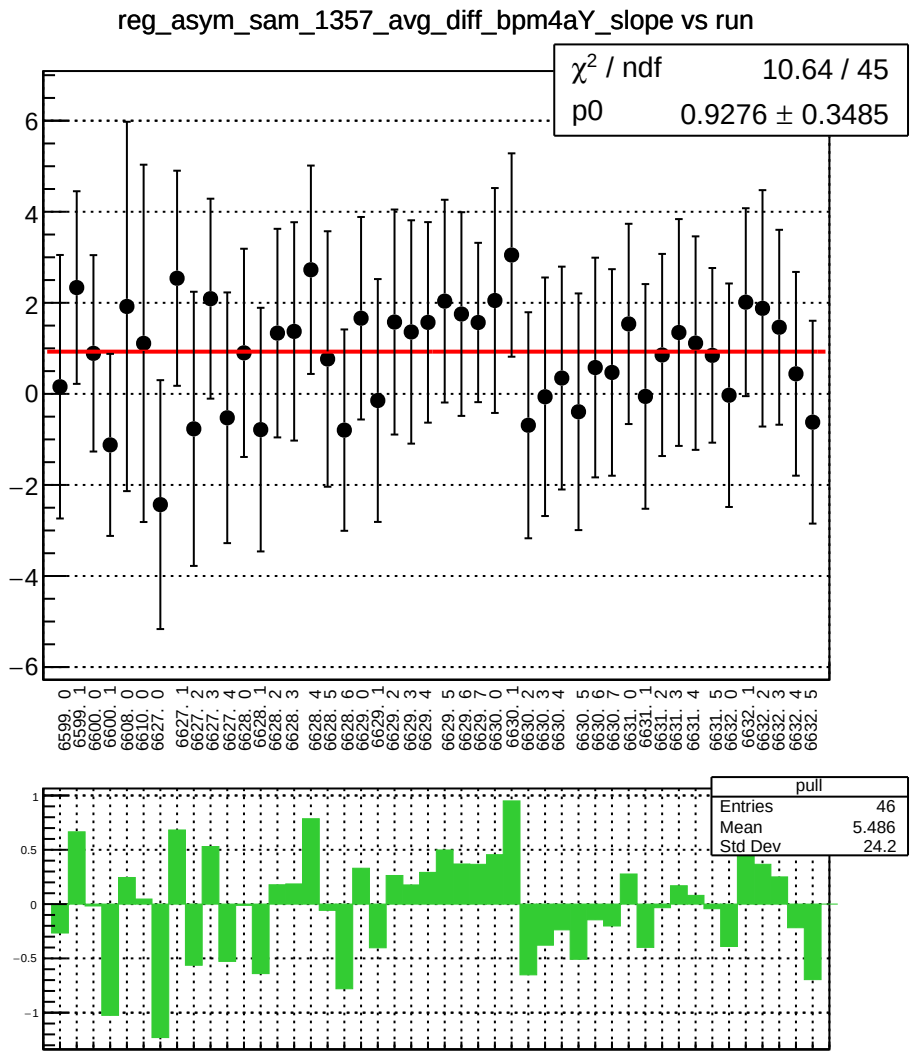

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 137 / 45
p0 24.28 ± 0.1791
pull
Entries 46
Mean −40.19
Std Dev 56.32

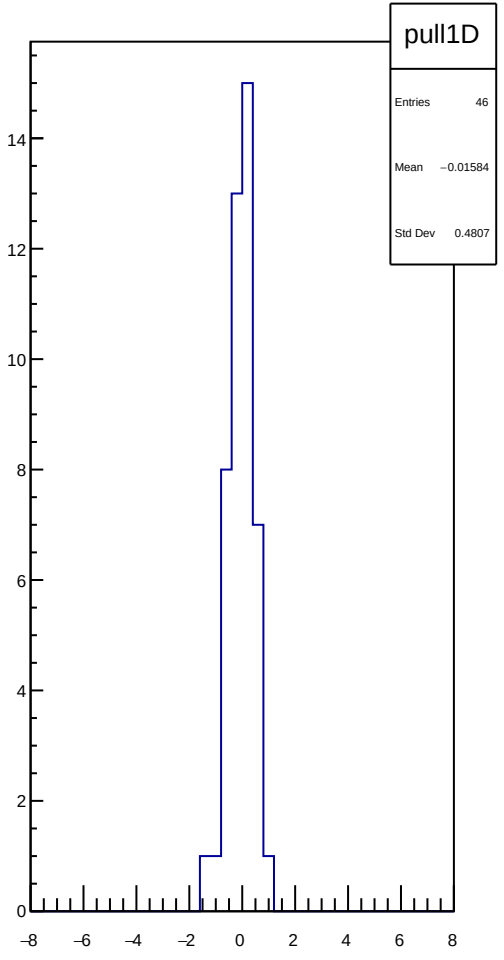

pull1D
Entries 46
Mean 0.07877
Std Dev 1.724

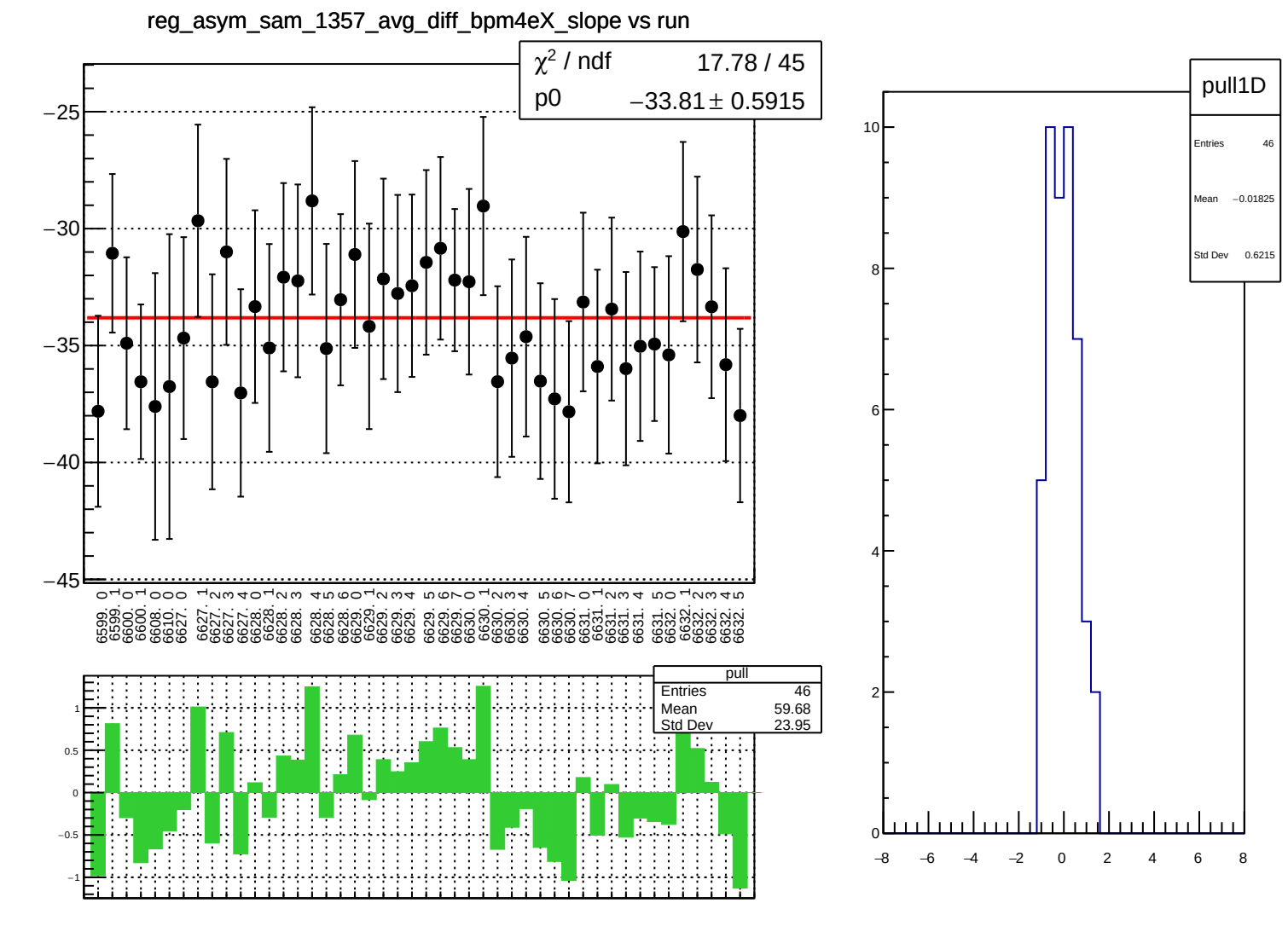

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 21.42 / 45
p0 −0.1105 ± 0.01005
pull
Entries 46
Mean −42.41
Std Dev 78.22
pull1D
Entries 46
Mean −0.02739
Std Dev 0.6818

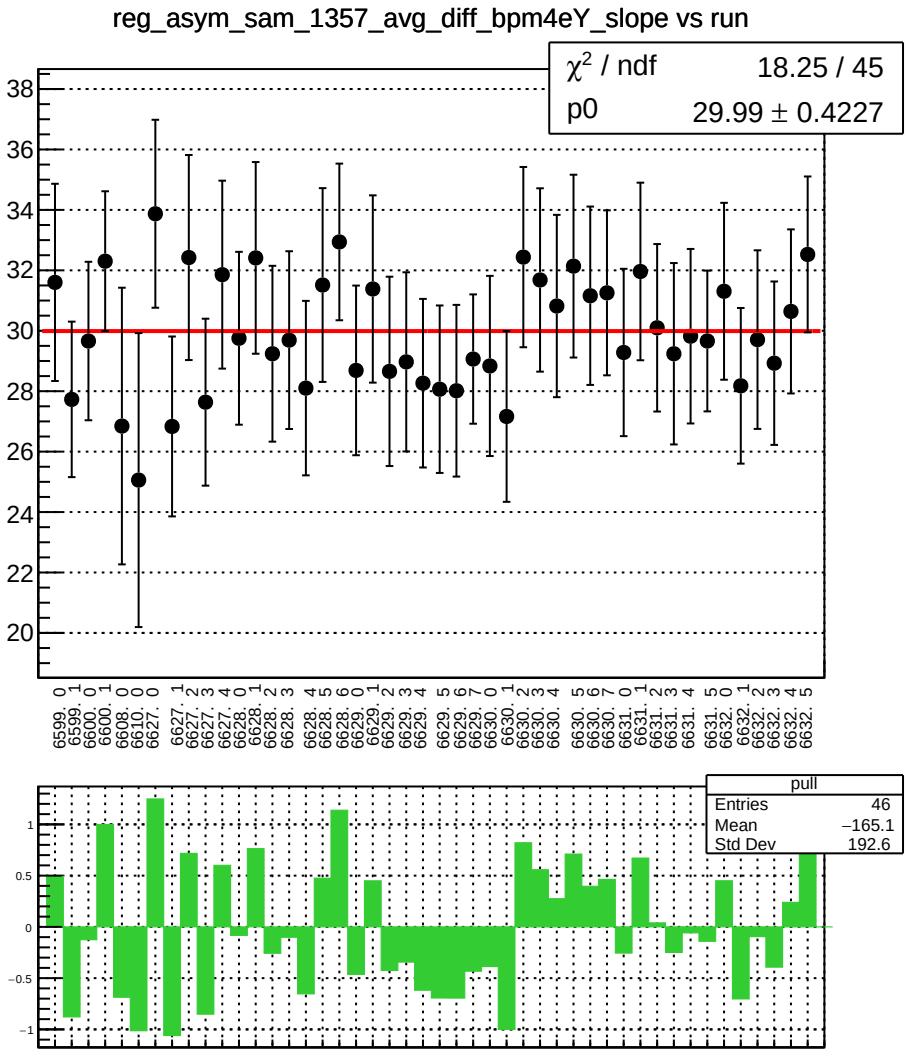

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 13.06 / 45
p0 −7.591 ± 0.5527
pull
Entries 46
Mean 187.3
Std Dev 150.9

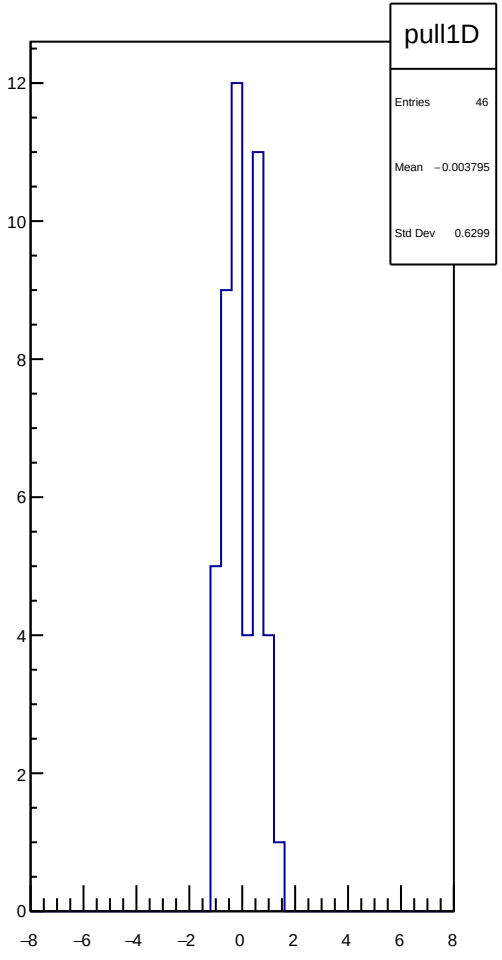

pull1D
Entries 46
Mean 0.006874
Std Dev 0.5328

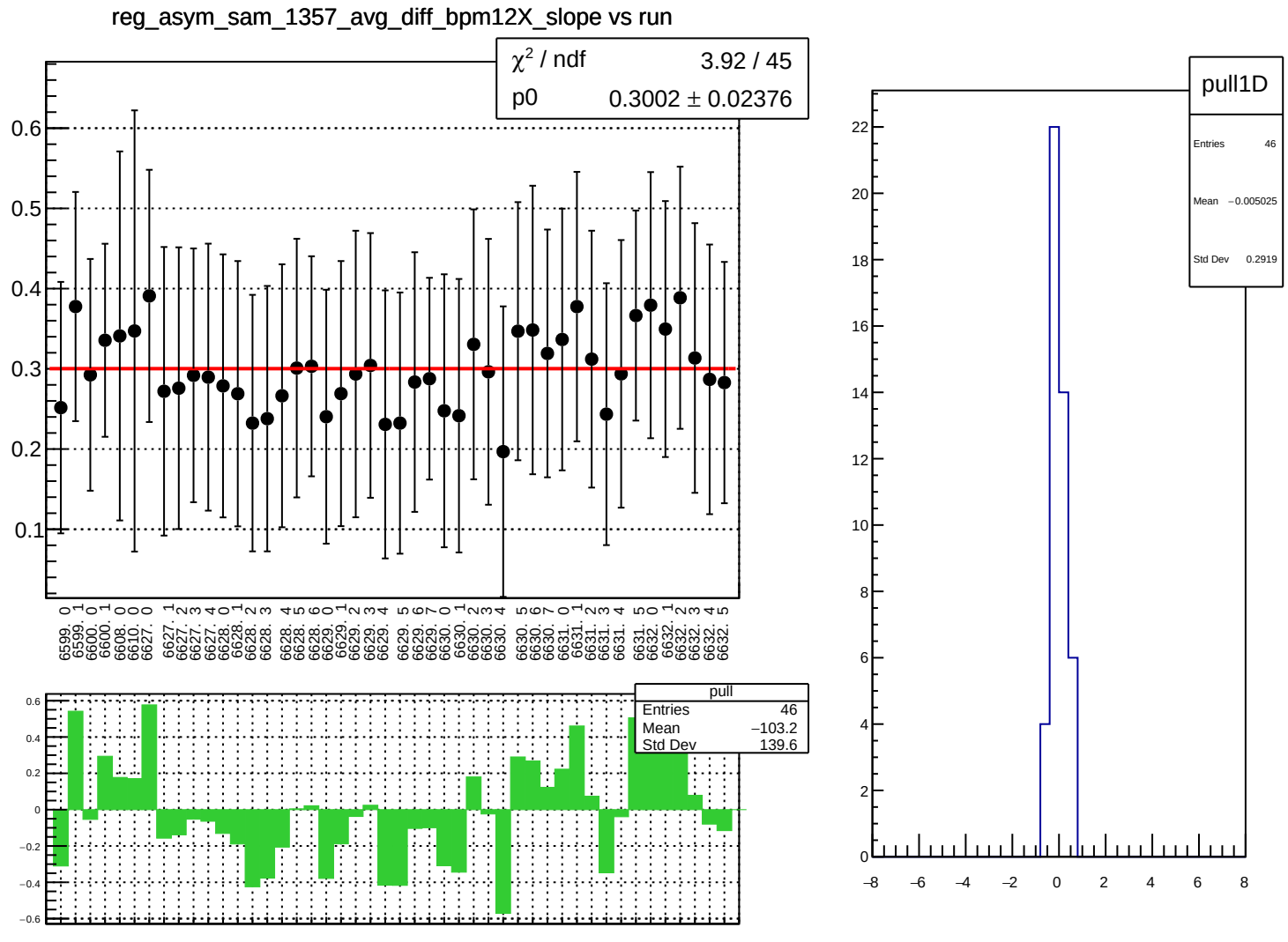

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.64 / 45
p0 0.9276 ± 0.3485
pull
Entries 46
Mean 5.486
Std Dev 24.2

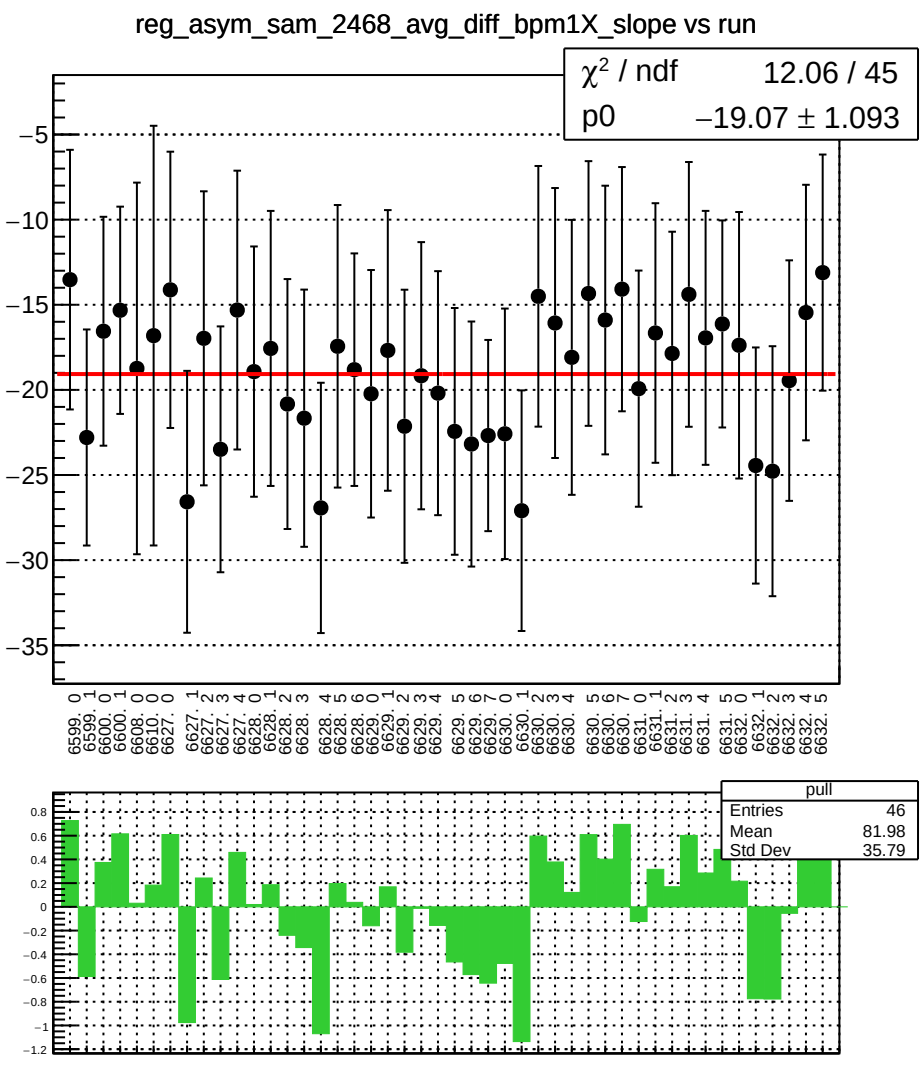

pull1D
Entries 46
Mean −0.01584
Std Dev 0.4807

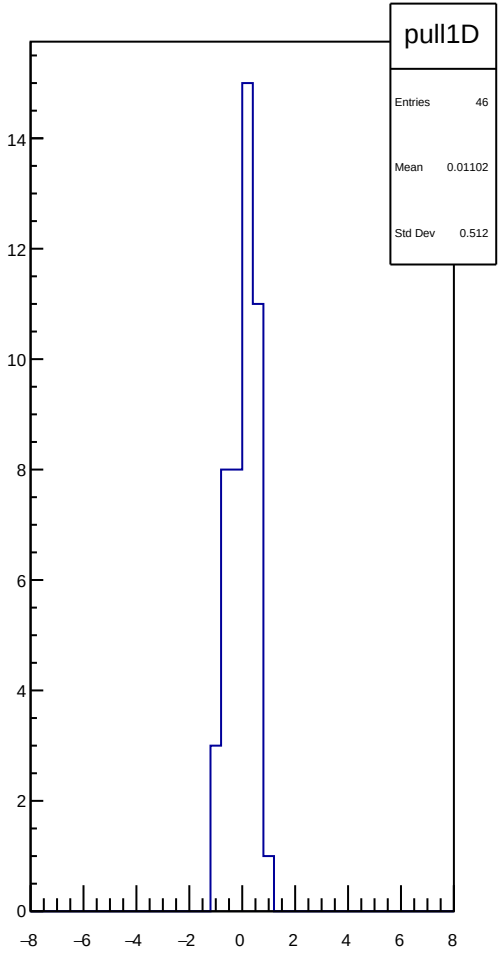

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.78 / 45
p0 −33.81 ± 0.5915
−25
−30
−35
−40
−45
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 59.68
Std Dev 23.95
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.01825
Std Dev 0.6215
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

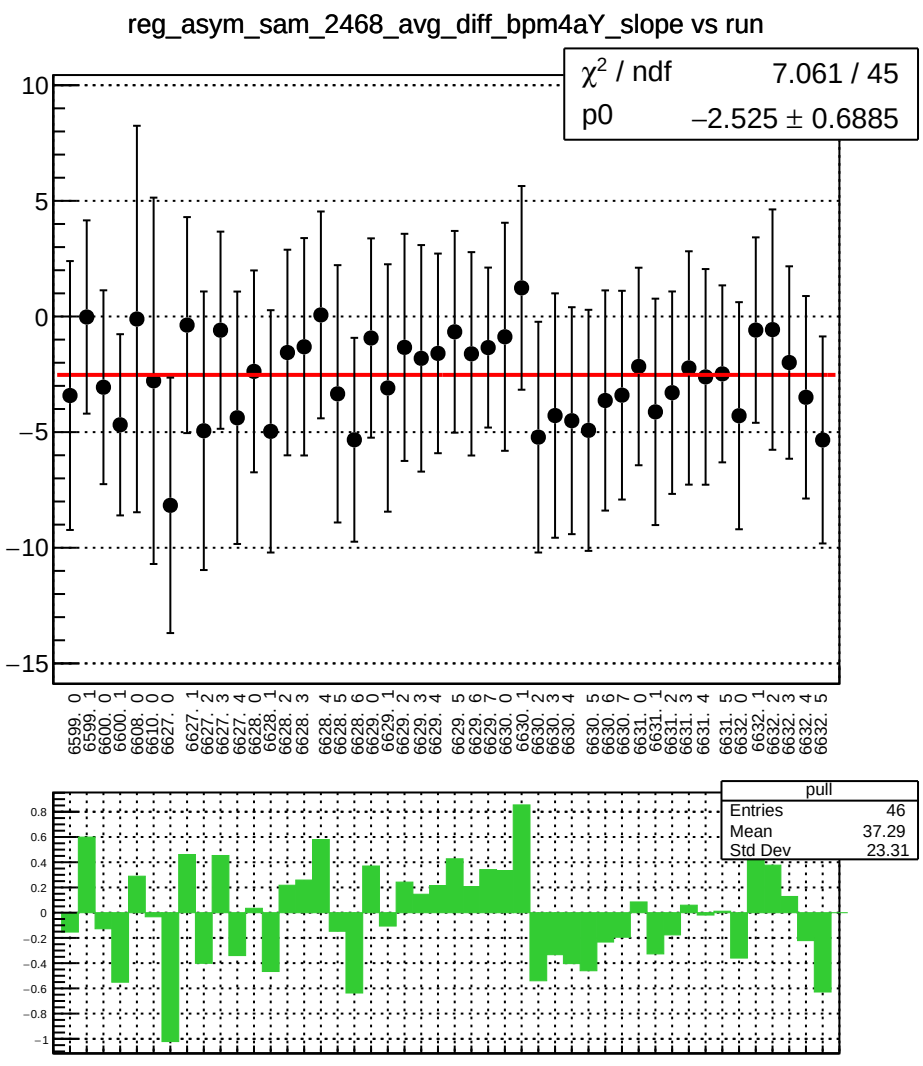

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.25 / 45
p0 29.99 ± 0.4227
pull
Entries 46
Mean −165.1
Std Dev 192.6

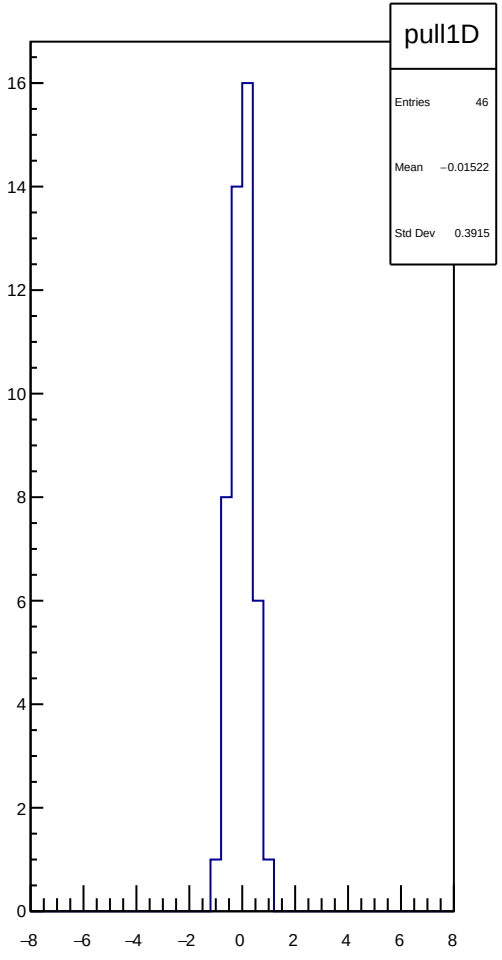

pull1D
Entries 46
Mean −0.003795
Std Dev 0.6299

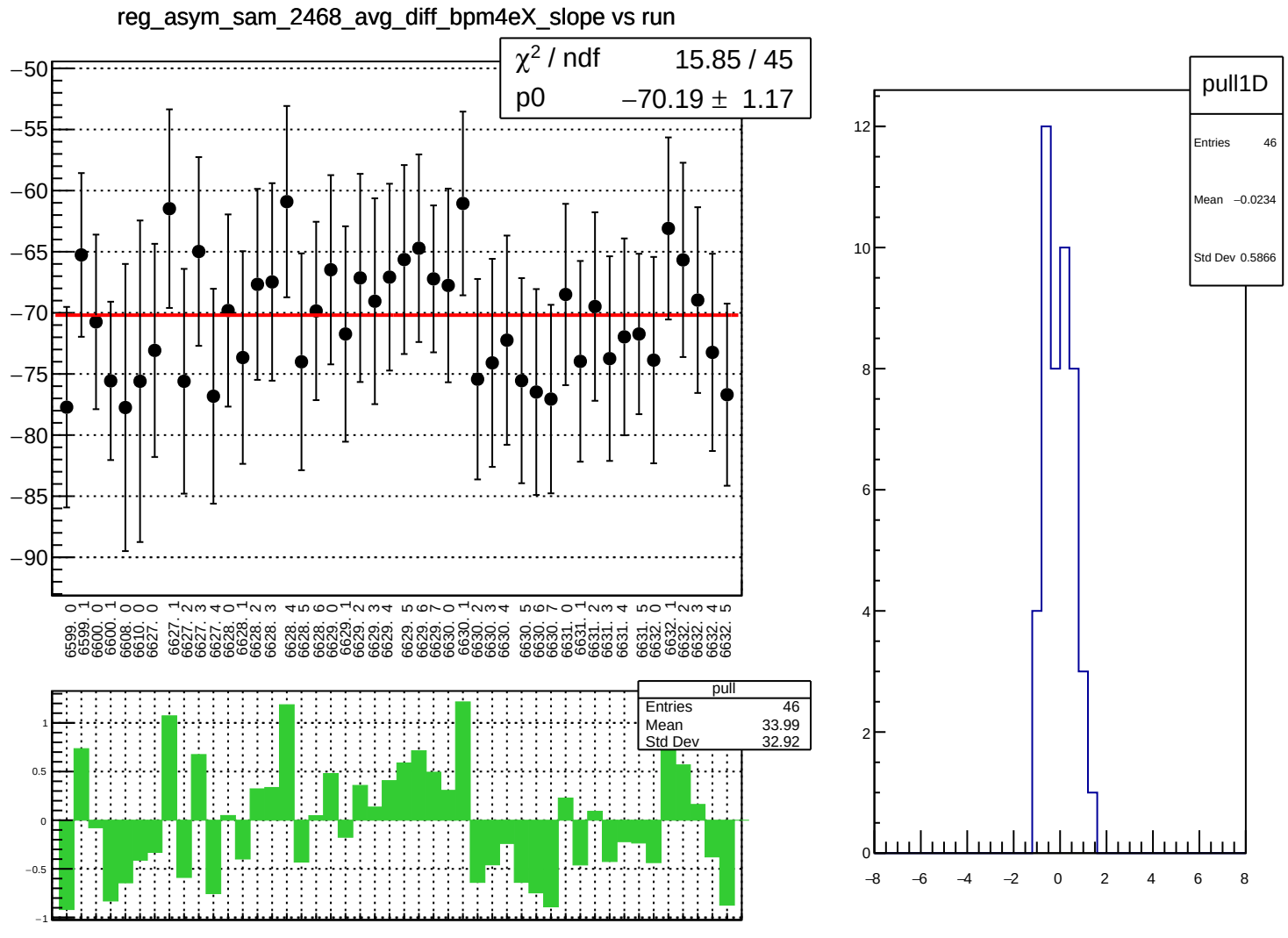

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.92 / 45
p0 0.3002 ± 0.02376
pull
Entries 46
Mean −103.2
Std Dev 139.6
pull1D
Entries 46
Mean −0.005025
Std Dev 0.2919

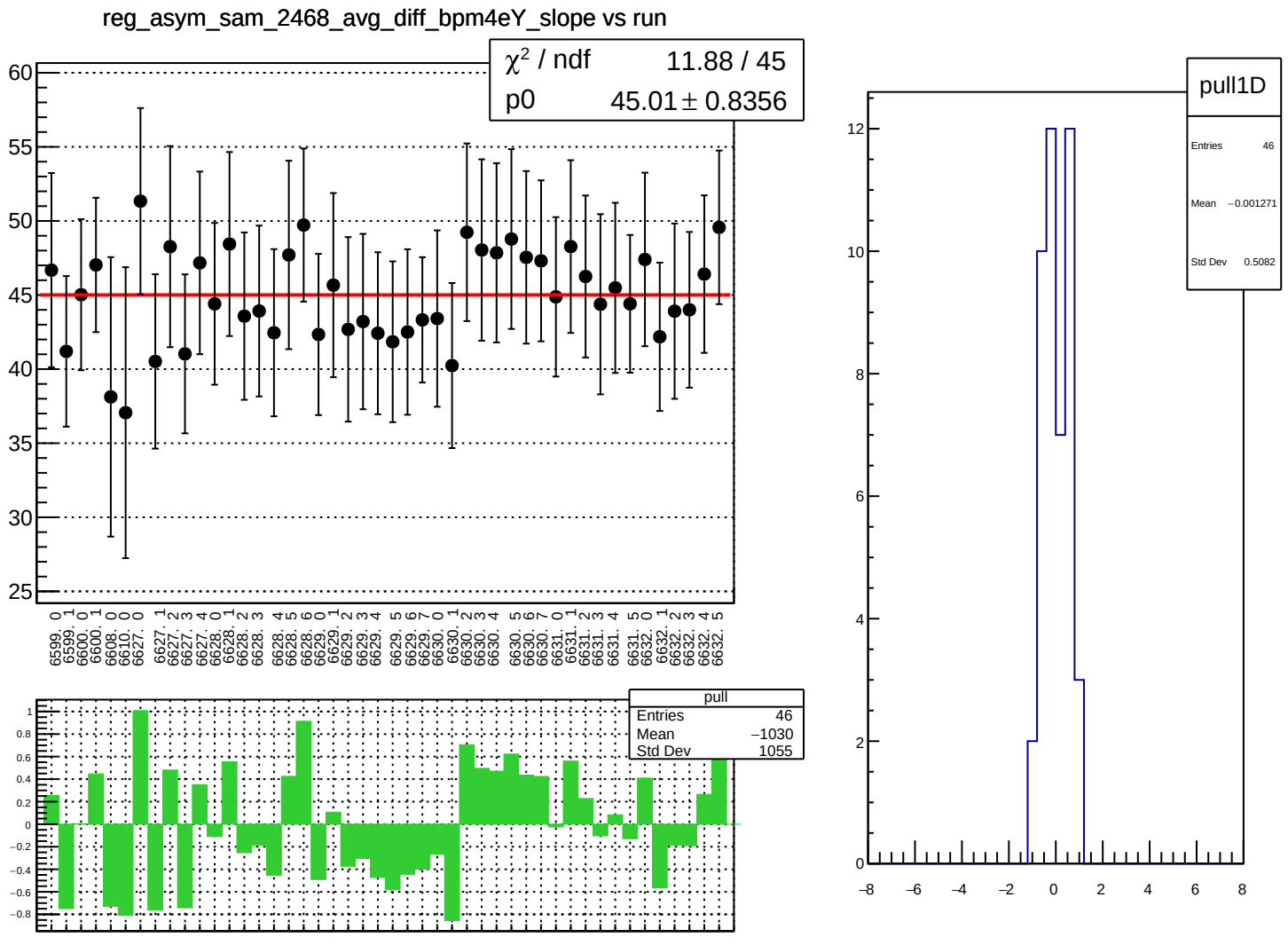

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 12.06 / 45
p0 −19.07 ± 1.093
pull
Entries 46
Mean 81.98
Std Dev 35.79

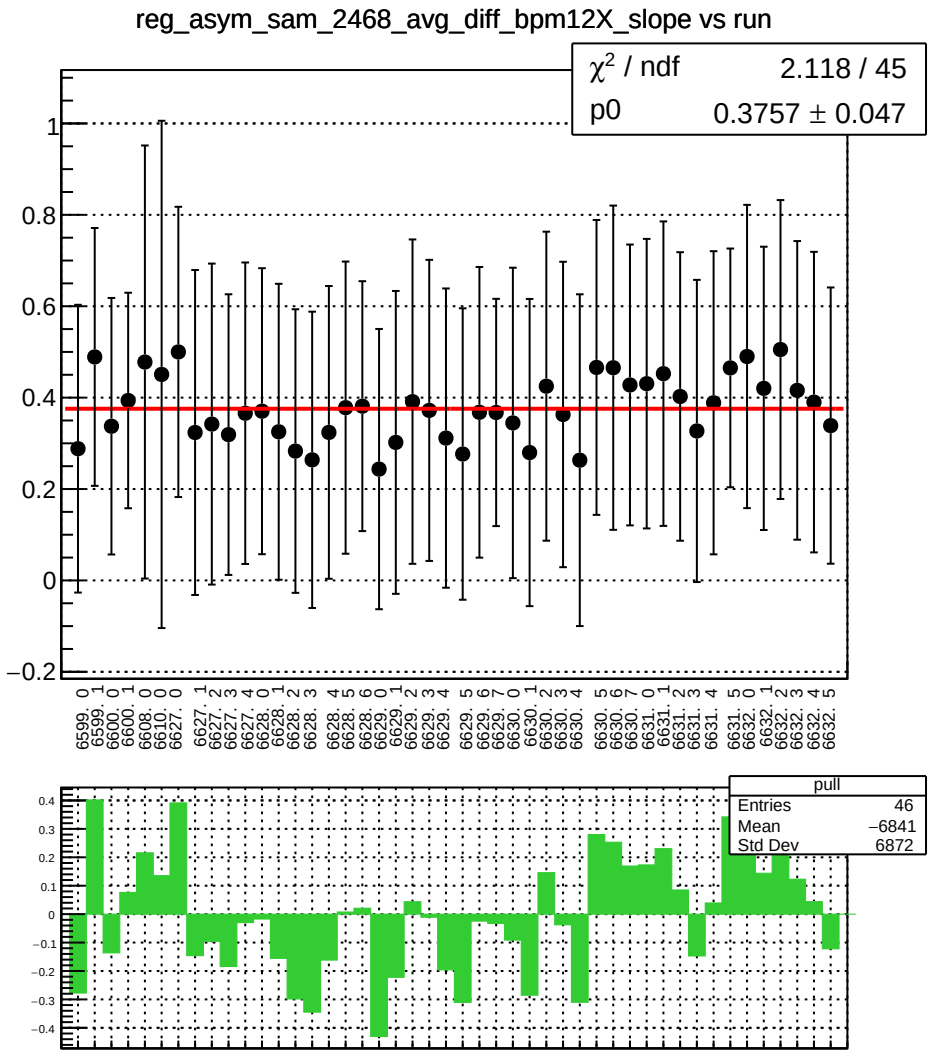

pull1D
Entries 46
Mean 0.01102
Std Dev 0.512

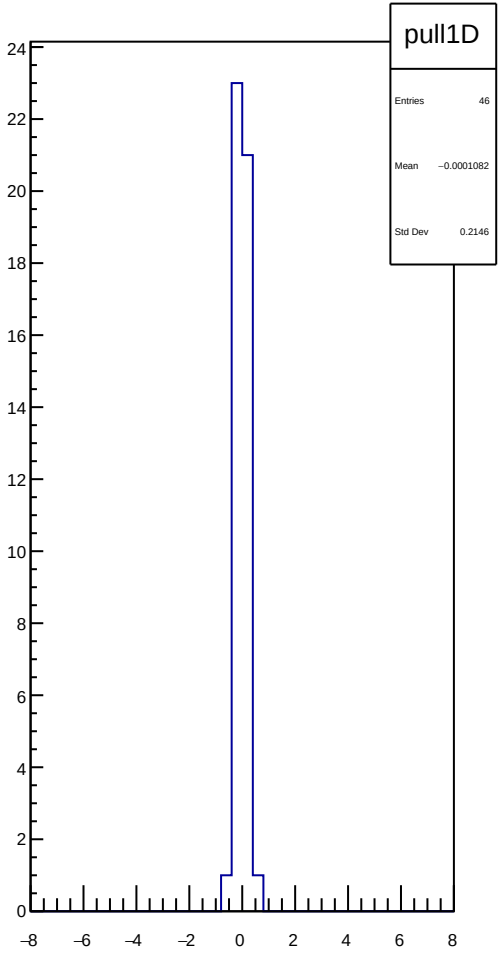

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.061 / 45
p0 −2.525 ± 0.6885
pull
Entries 46
Mean 37.29
Std Dev 23.31

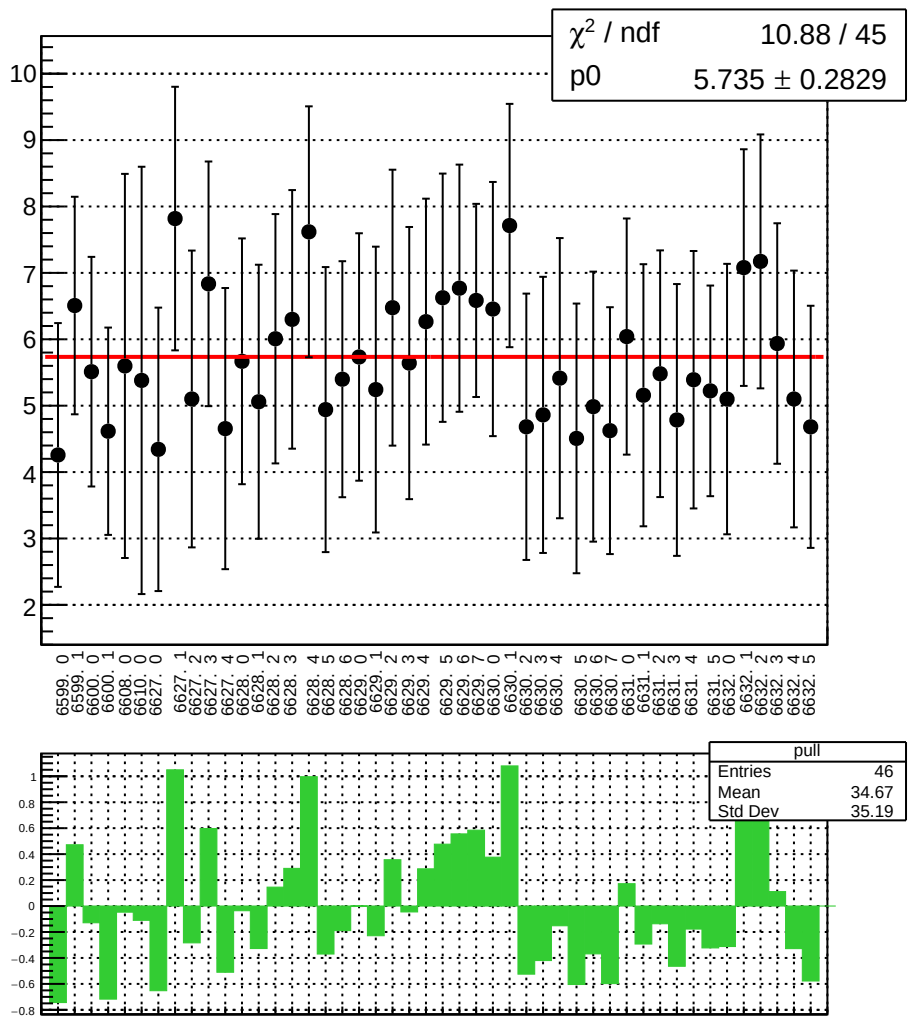

pull1D
Entries 46
Mean −0.01522
Std Dev 0.3915

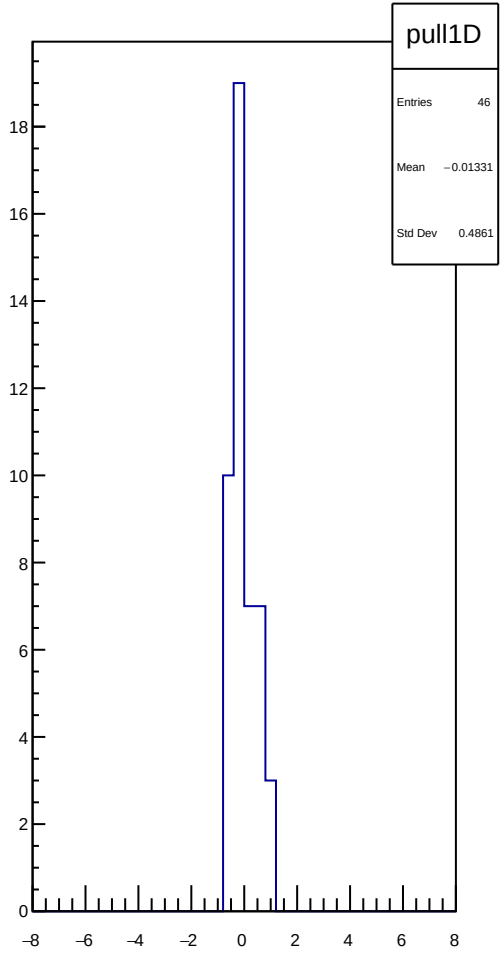

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.85 / 45
p0 −70.19 ± 1.17
pull
Entries 46
Mean 33.99
Std Dev 32.92
pull1D
Entries 46
Mean −0.0234
Std Dev 0.5866

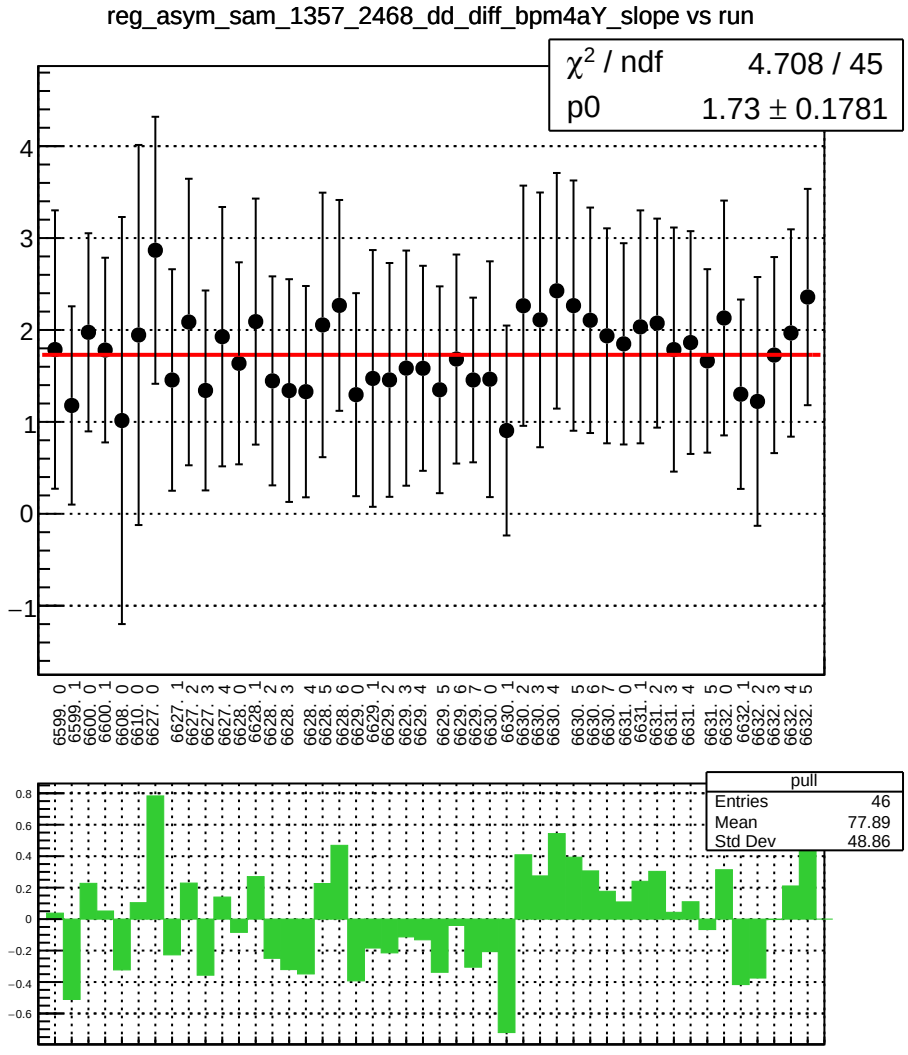

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.88 / 45
p0 45.01 ± 0.8356
pull
Entries 46
Mean −1030
Std Dev 1055
pull1D
Entries 46
Mean −0.001271
Std Dev 0.5082

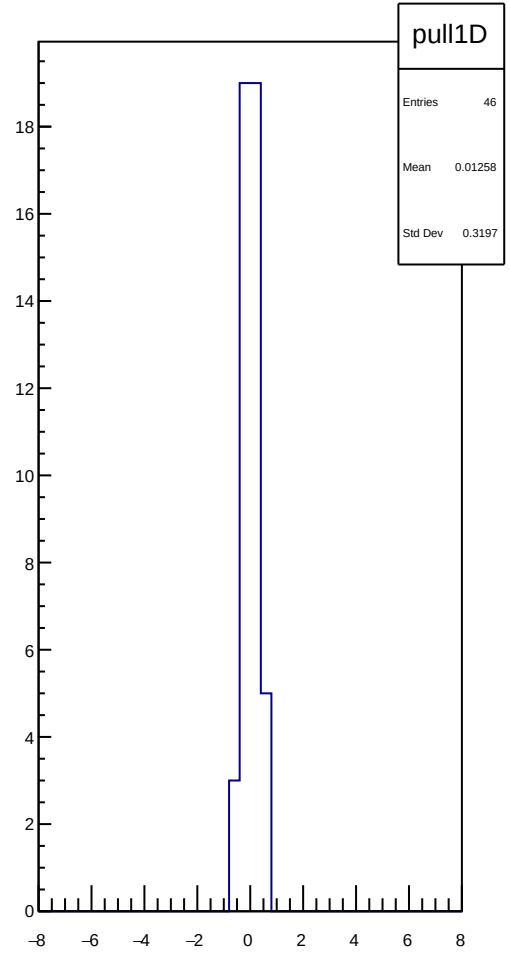

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.118 / 45
p0 0.3757 ± 0.047
pull
Entries 46
Mean −6841
Std Dev 6872

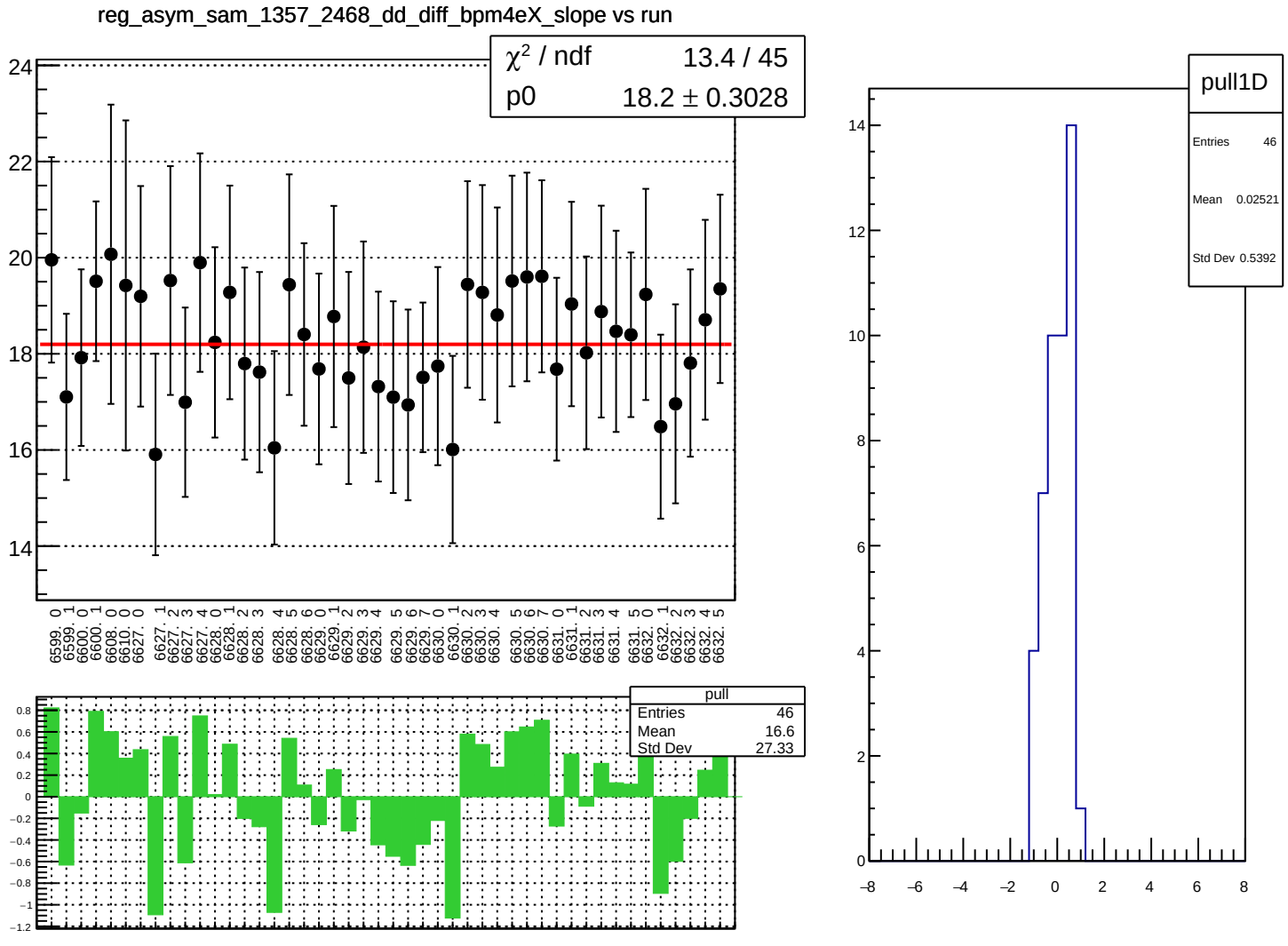

pull1D
Entries 46
Mean −0.0001082
Std Dev 0.2146

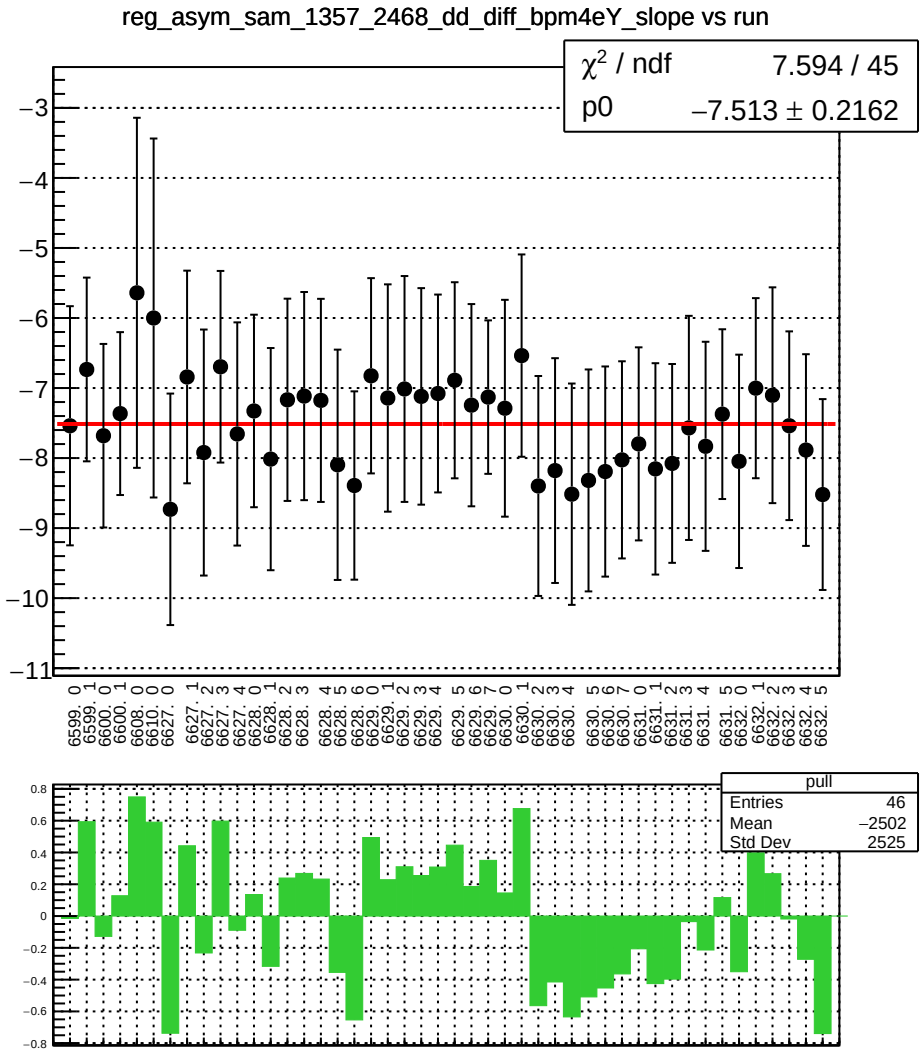

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 10.88 / 45
p0 5.735 ± 0.2829
pull
Entries 46
Mean 34.67
Std Dev 35.19

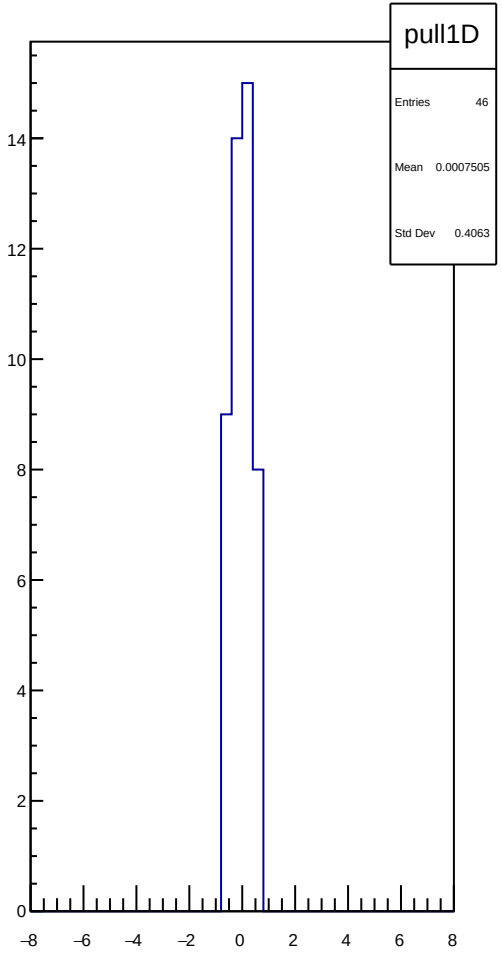

pull1D
Entries 46
Mean −0.01331
Std Dev 0.4861

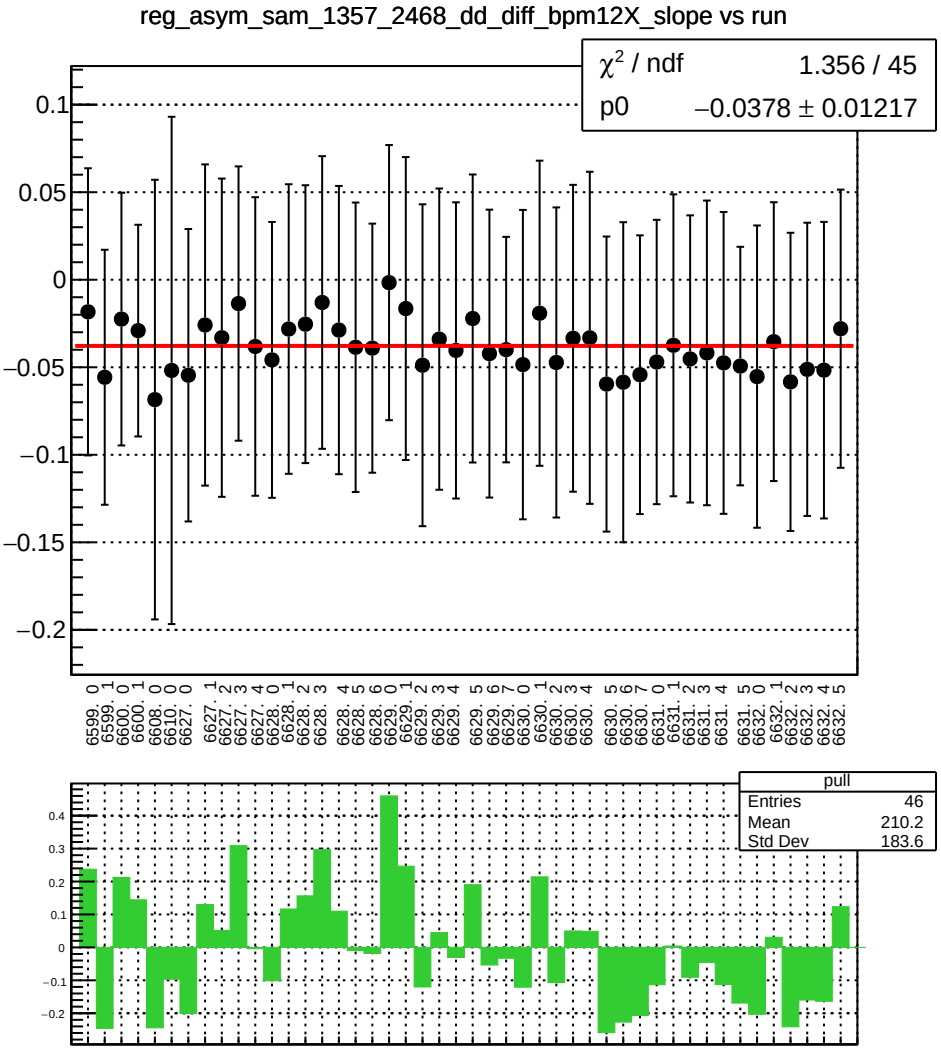

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.708 / 45
p0 1.73 ± 0.1781
pull
Entries 46
Mean 77.89
Std Dev 48.86

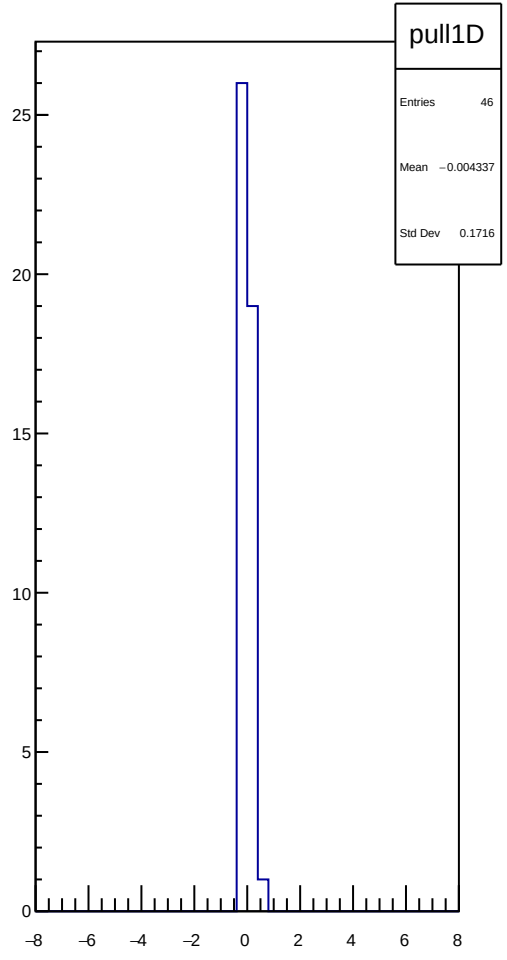

pull1D
Entries 46
Mean 0.01258
Std Dev 0.3197

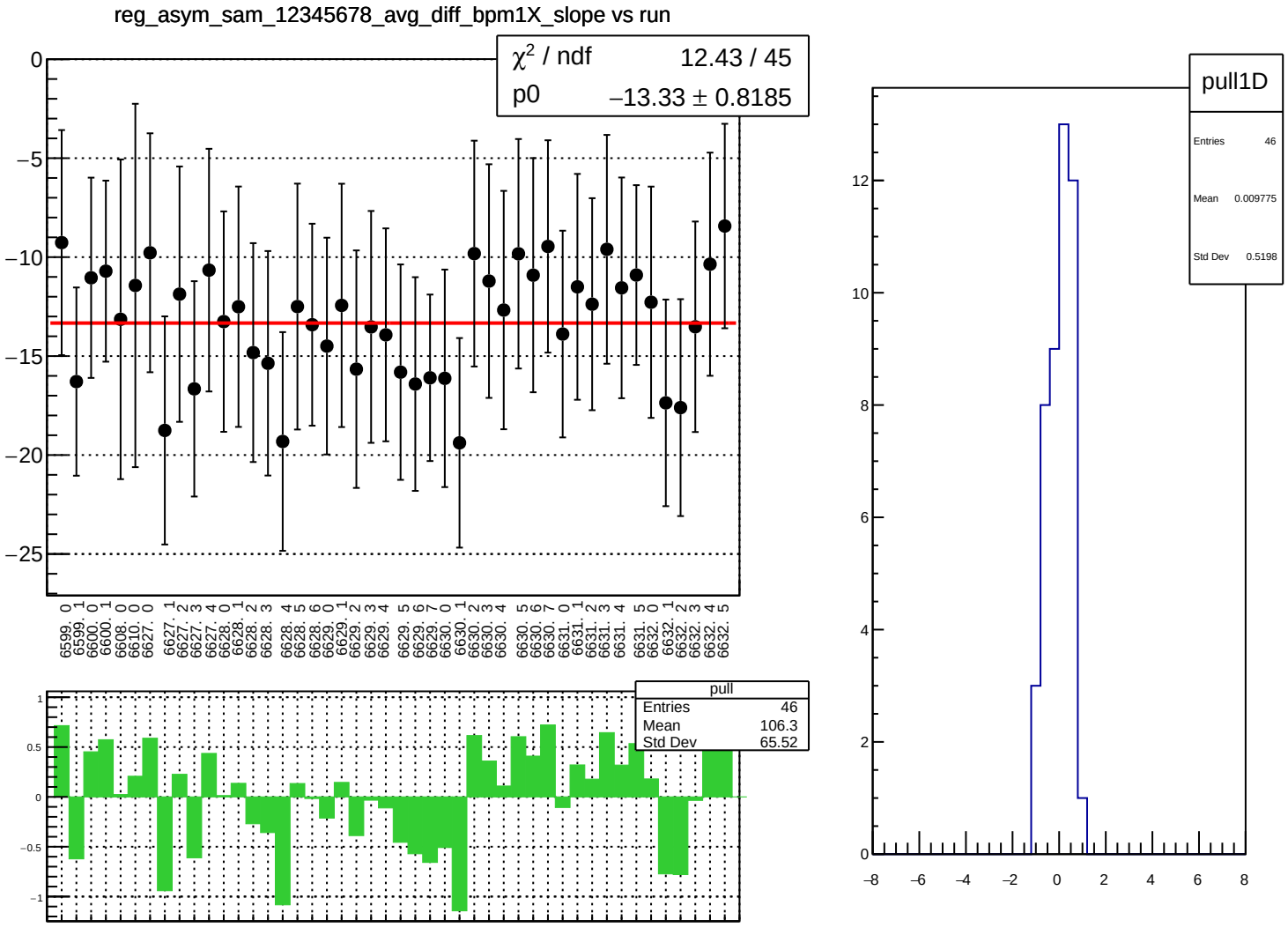

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.4 / 45
p0 18.2 ± 0.3028
pull
Entries 46
Mean 16.6
Std Dev 27.33
pull1D
Entries 46
Mean 0.02521
Std Dev 0.5392

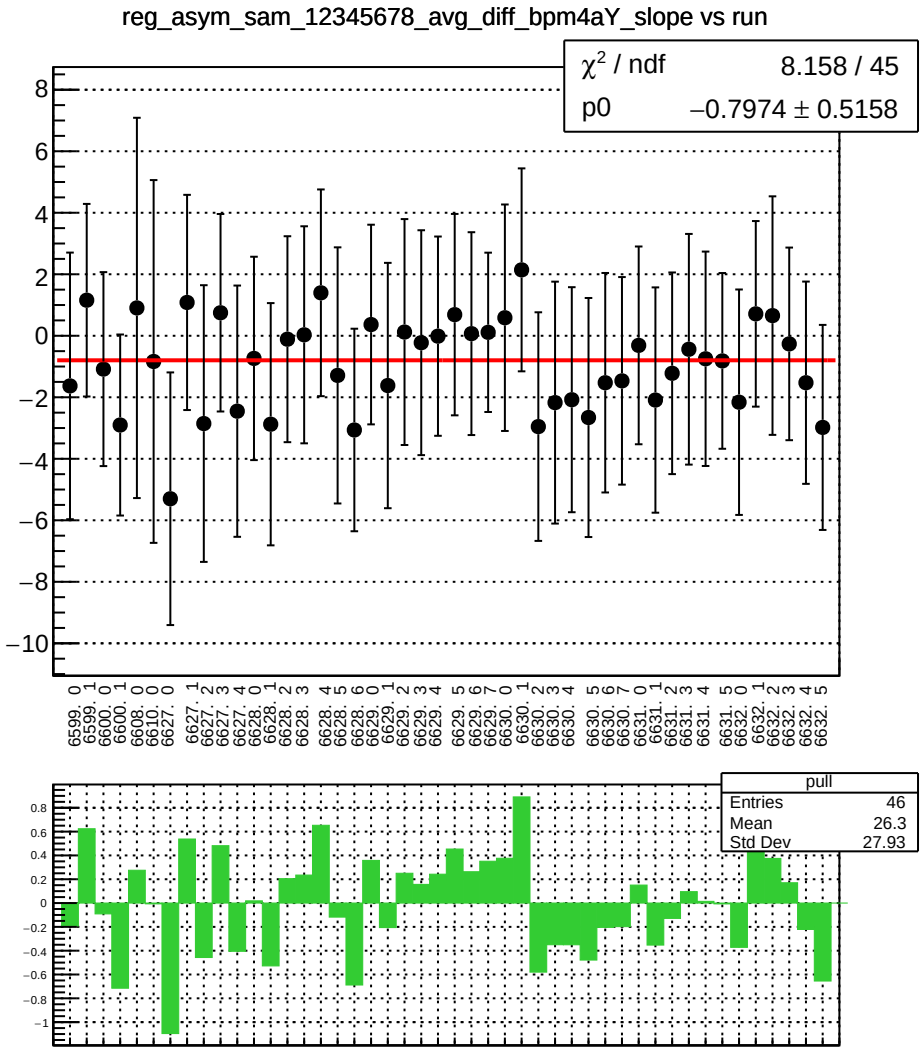

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.594 / 45
p0 −7.513 ± 0.2162
pull
Entries 46
Mean −2502
Std Dev 2525

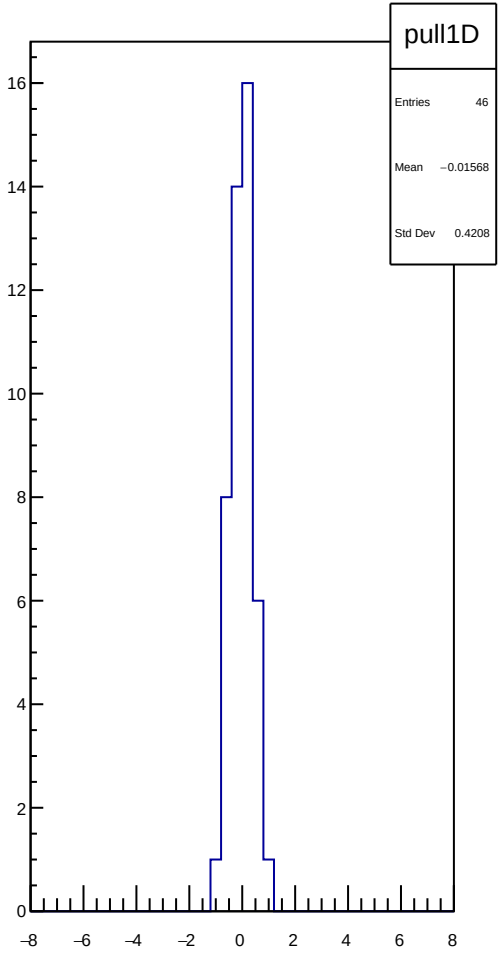

pull1D
Entries 46
Mean 0.0007505
Std Dev 0.4063

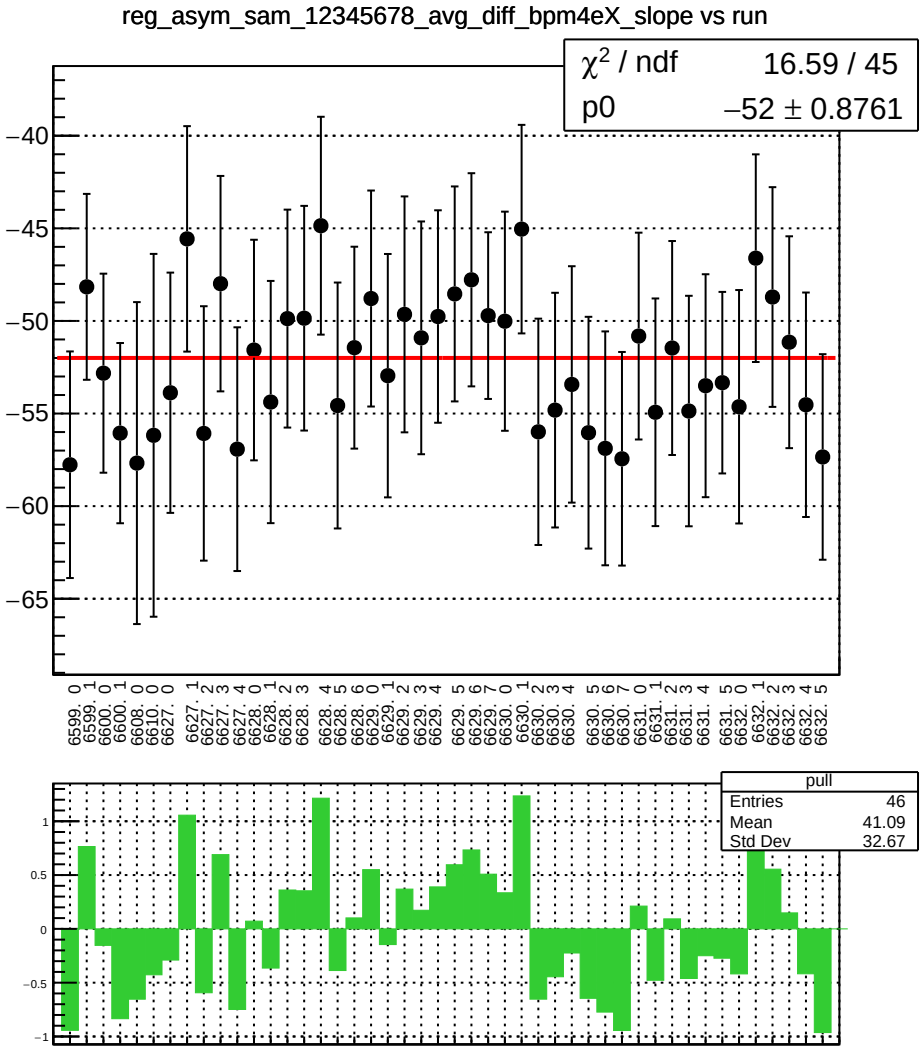

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.356 / 45
p0 −0.0378 ± 0.01217
pull
Entries 46
Mean 210.2
Std Dev 183.6

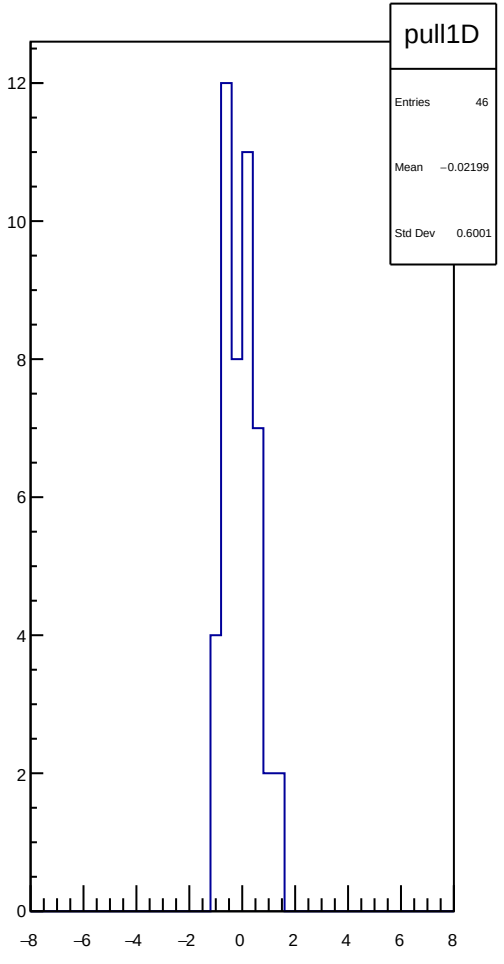

pull1D
Entries 46
Mean −0.004337
Std Dev 0.1716

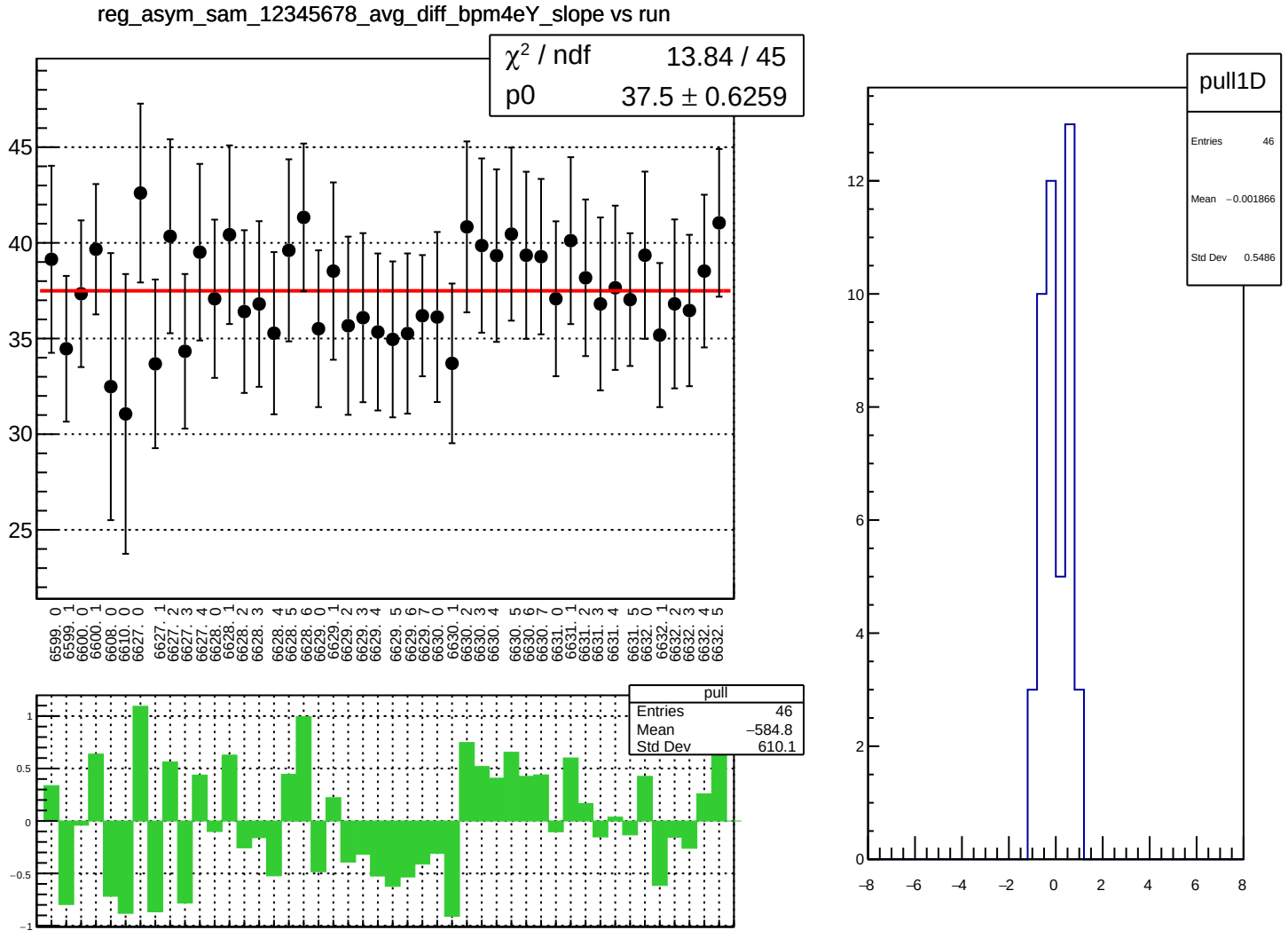

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 12.43 / 45
p0 −13.33 ± 0.8185
pull
Entries 46
Mean 106.3
Std Dev 65.52
pull1D
Entries 46
Mean 0.009775
Std Dev 0.5198

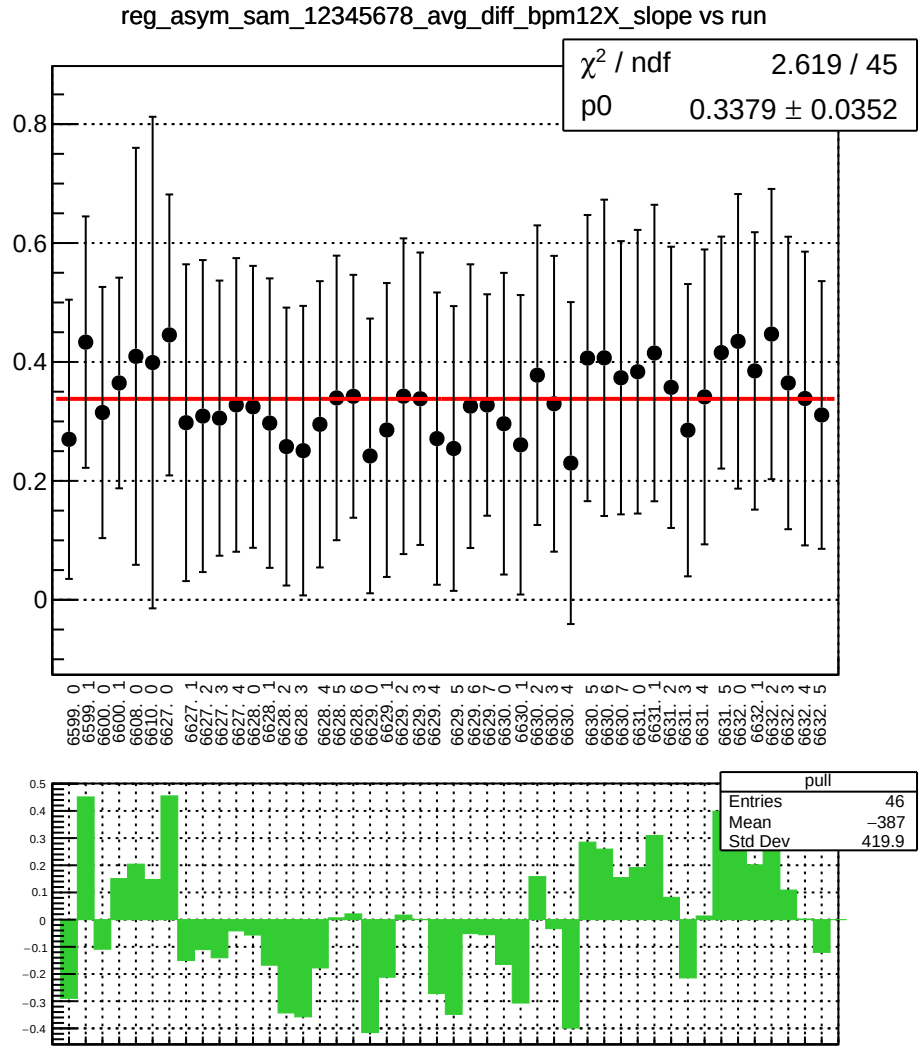

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.158 / 45
p0 −0.7974 ± 0.5158
pull
Entries 46
Mean 26.3
Std Dev 27.93

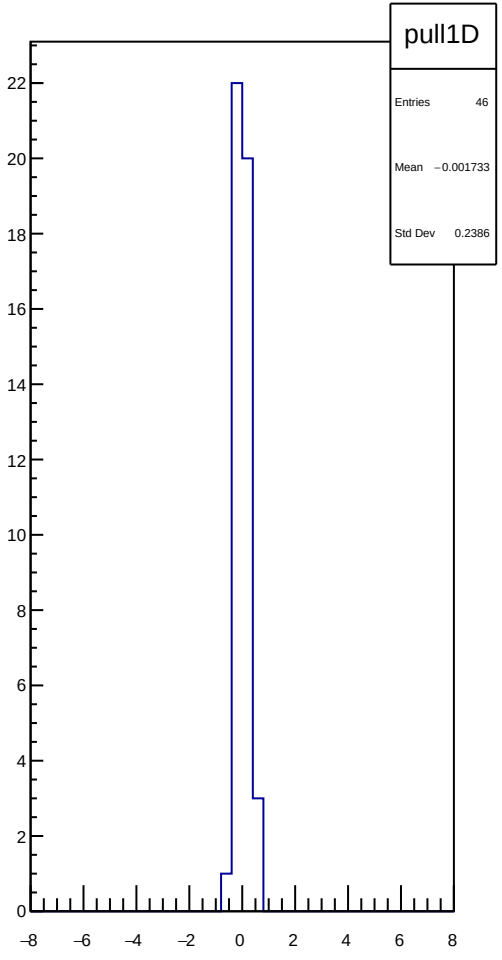

pull1D
Entries 46
Mean −0.01568
Std Dev 0.4208

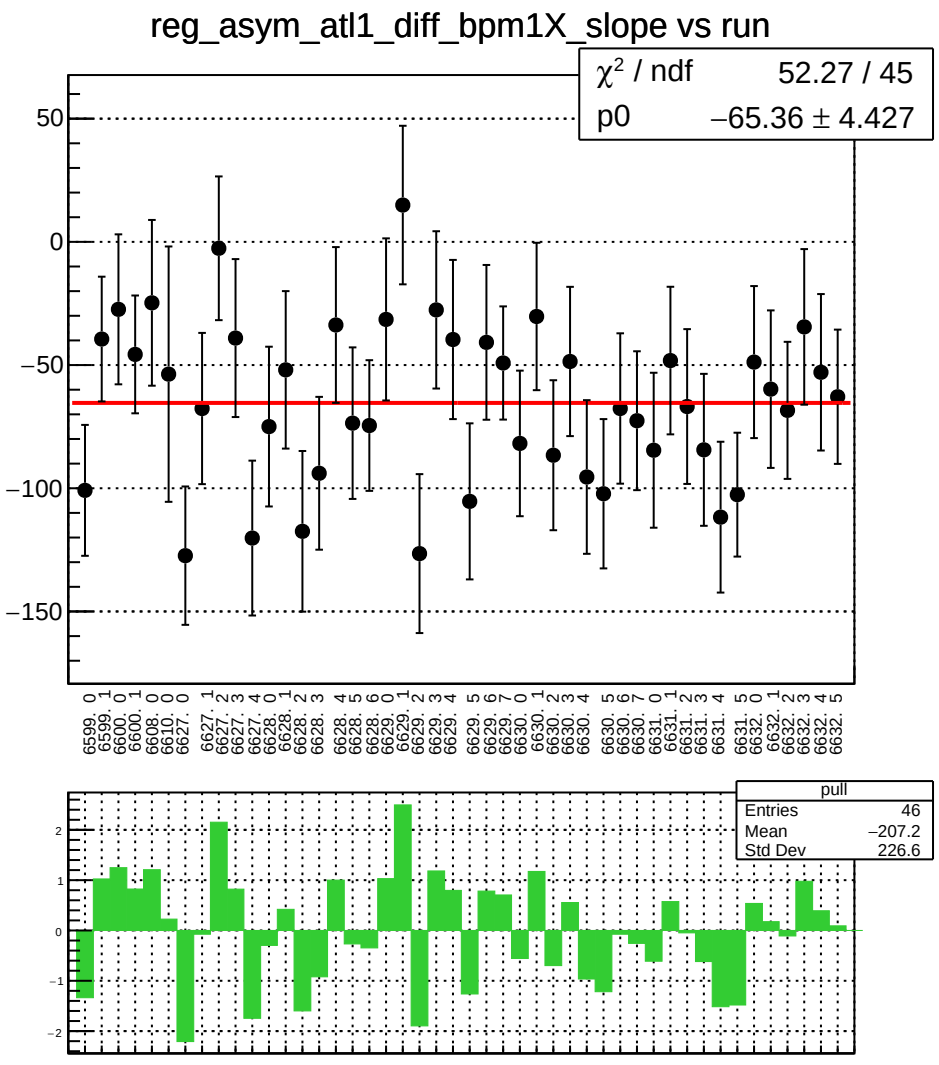

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.59 / 45
p0 −52 ± 0.8761
pull
Entries 46
Mean 41.09
Std Dev 32.67

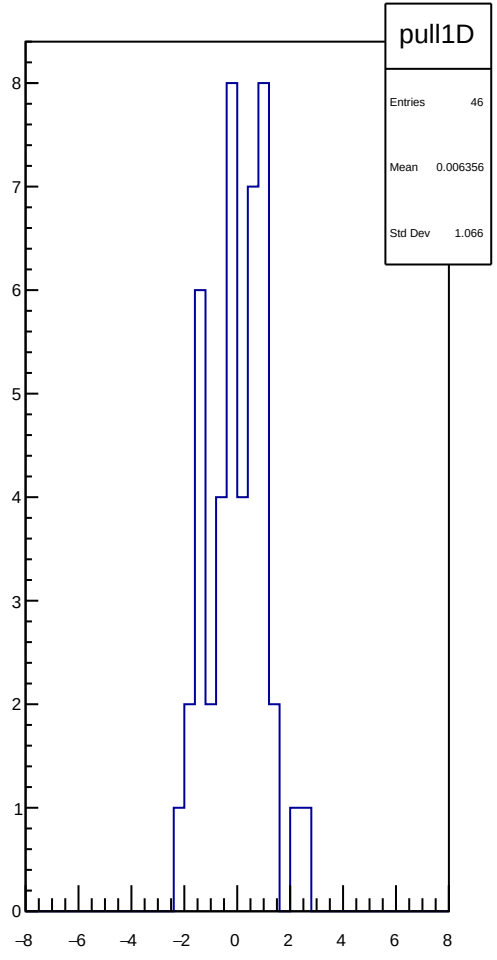

pull1D
Entries 46
Mean −0.02199
Std Dev 0.6001

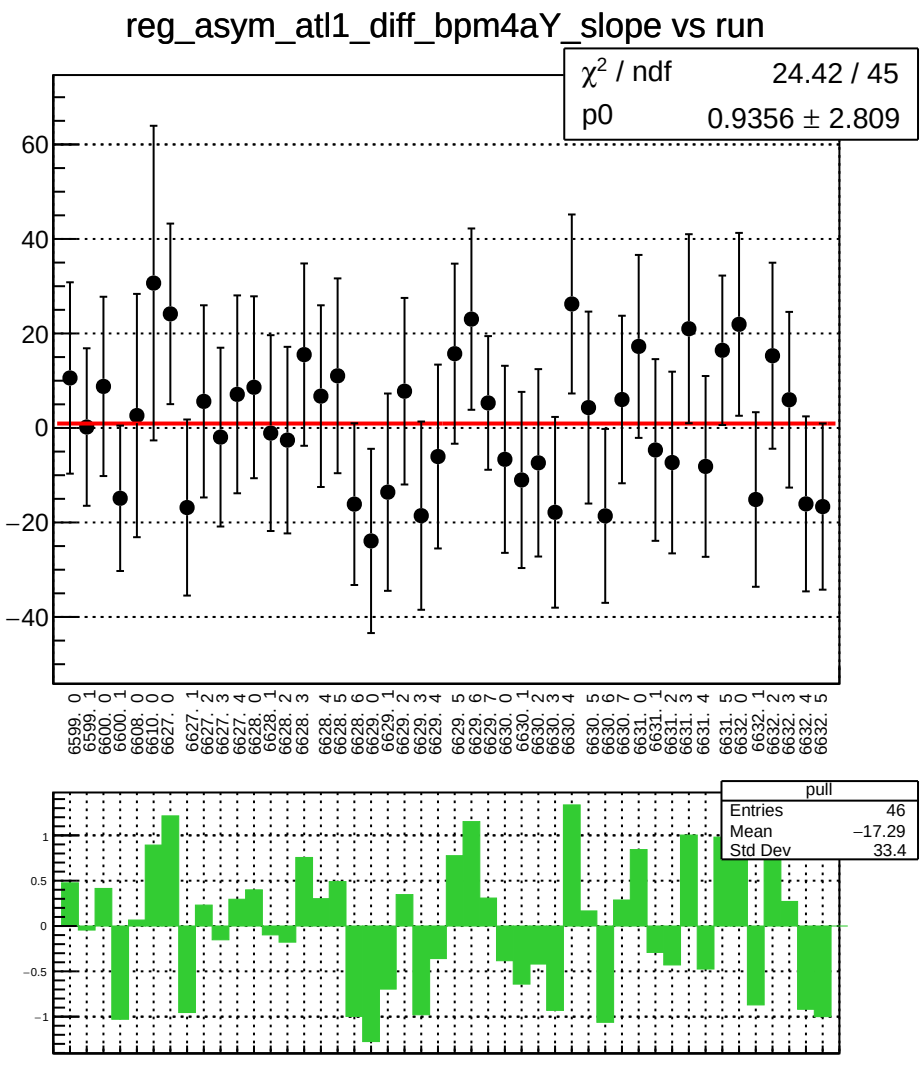

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.84 / 45
p0 37.5 ± 0.6259
45
40
35
30
25
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −584.8
Std Dev 610.1
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.001866
Std Dev 0.5486
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

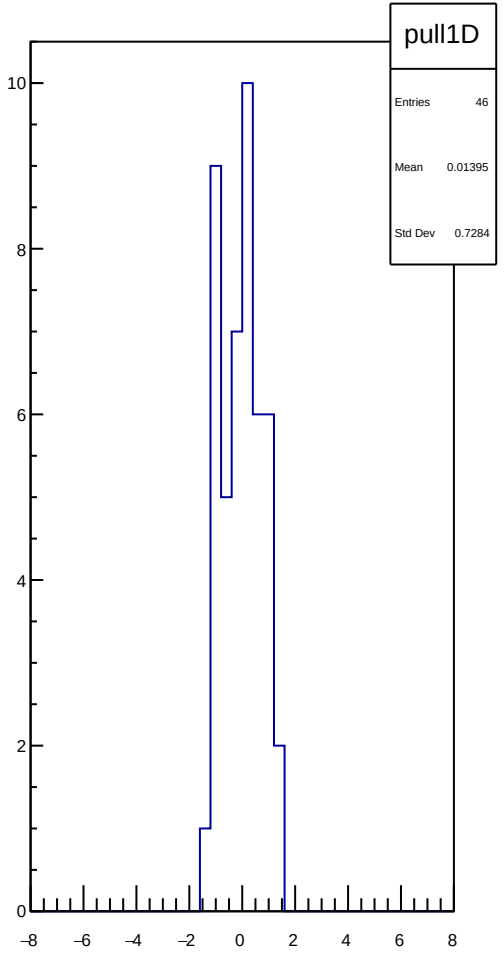

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.619 / 45
p0 0.3379 ± 0.0352
pull
Entries 46
Mean −387
Std Dev 419.9

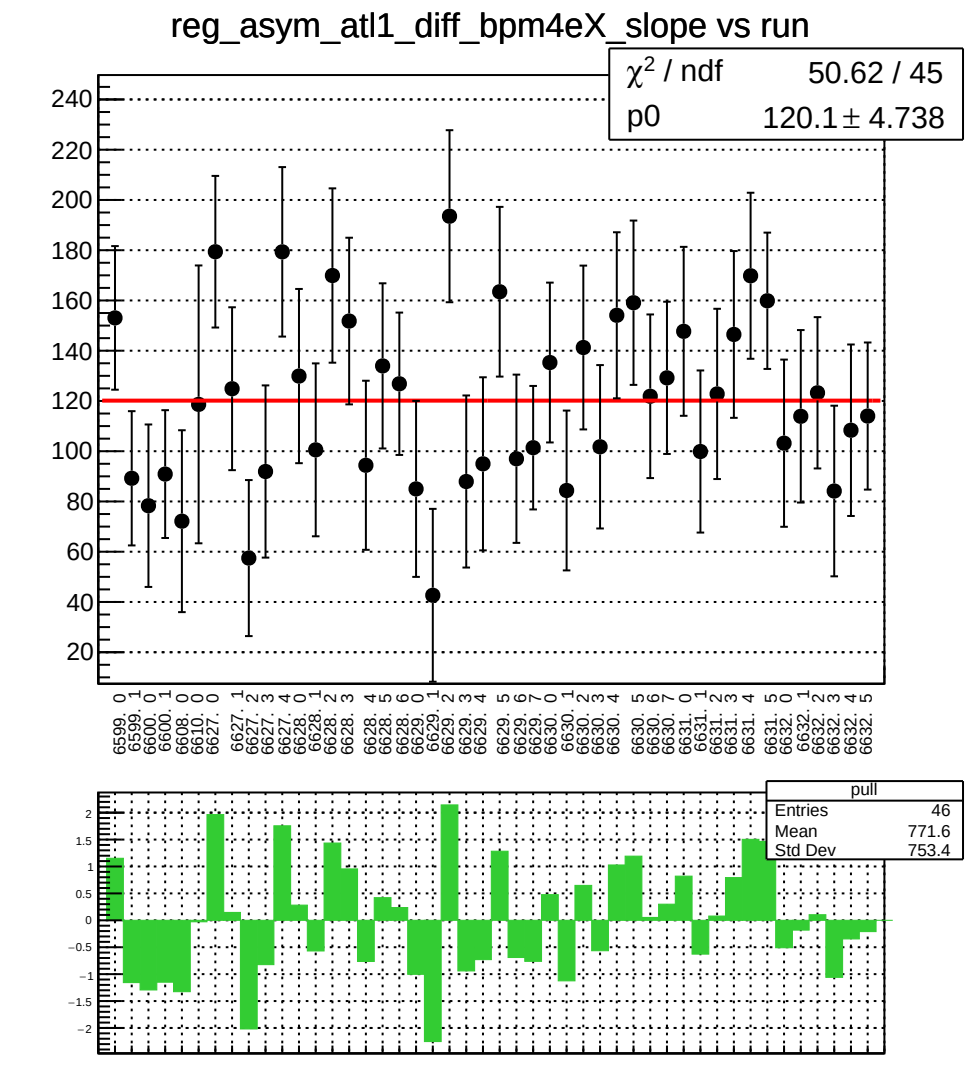

pull1D
Entries 46
Mean −0.001733
Std Dev 0.2386

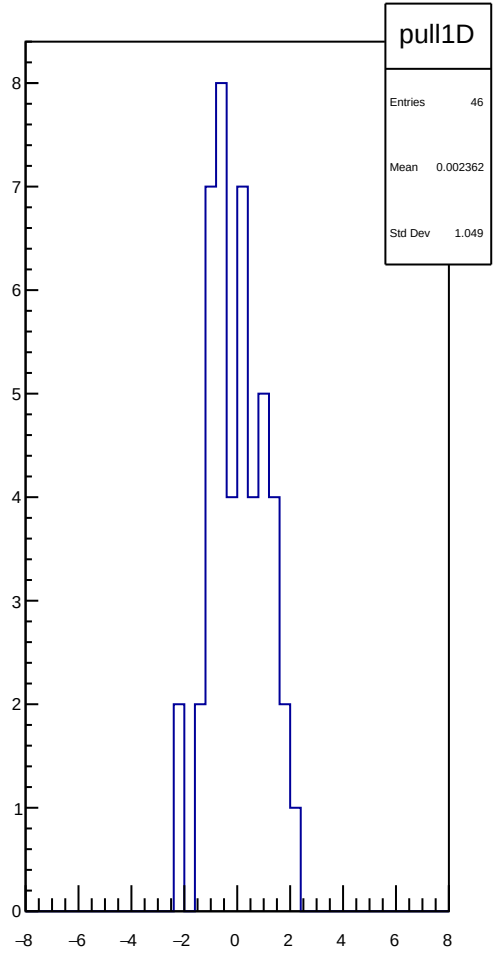

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 52.27 / 45
p0 −65.36 ± 4.427
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −207.2
Std Dev 226.6
2
1
0
−1
−2

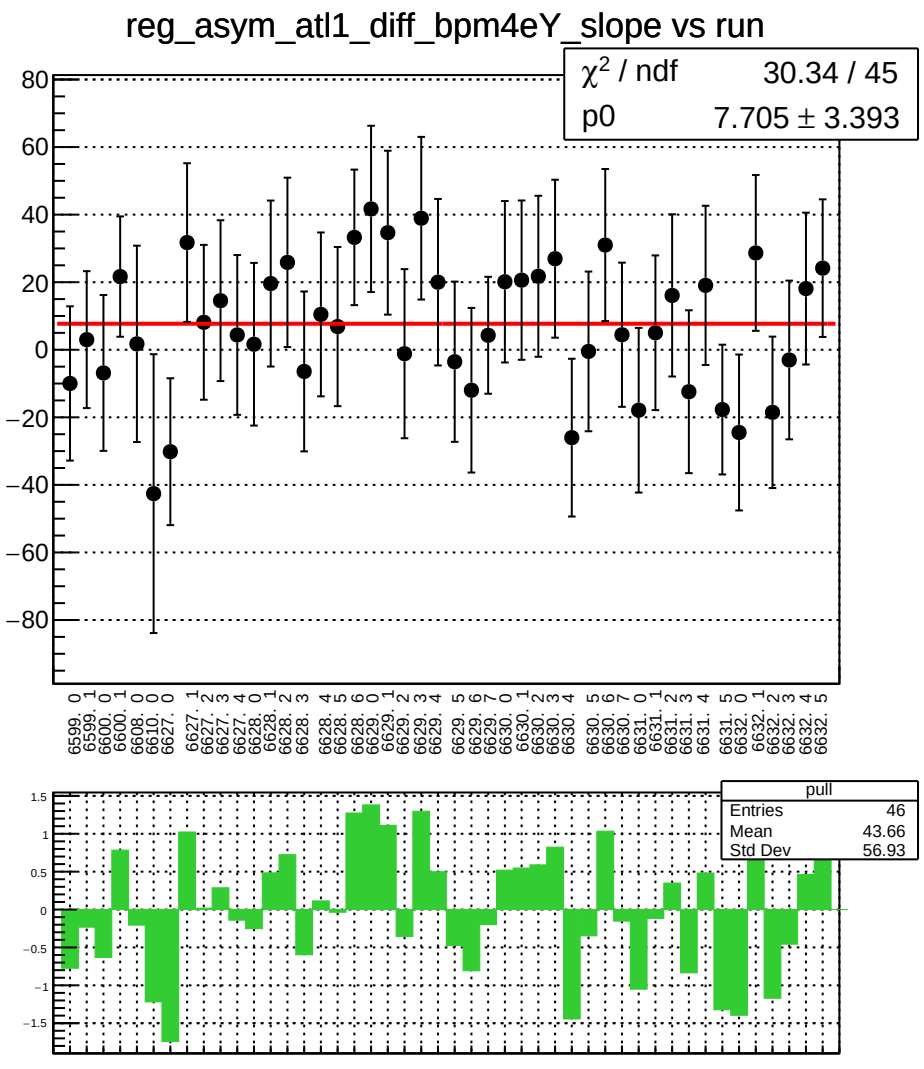

pull1D
Entries 46
Mean 0.006356
Std Dev 1.066
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

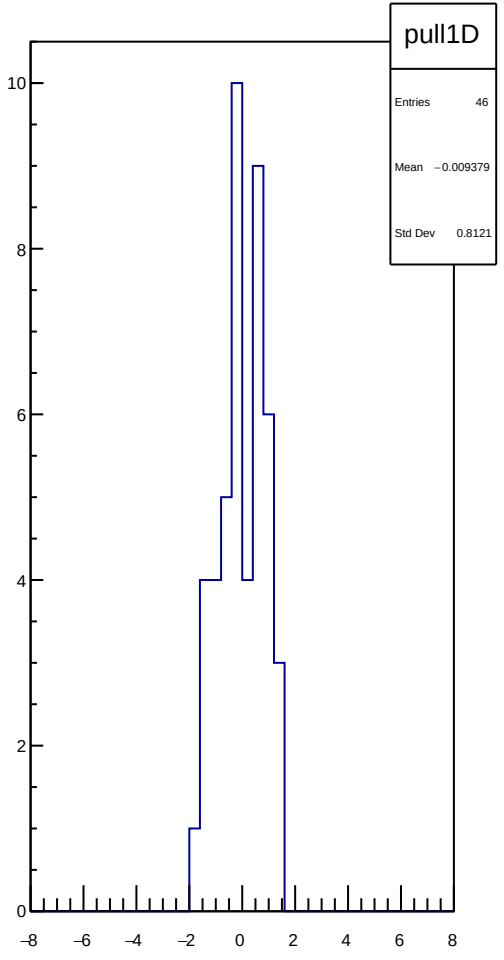

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 24.42 / 45
p0 0.9356 ± 2.809
pull
Entries 46
Mean −17.29
Std Dev 33.4

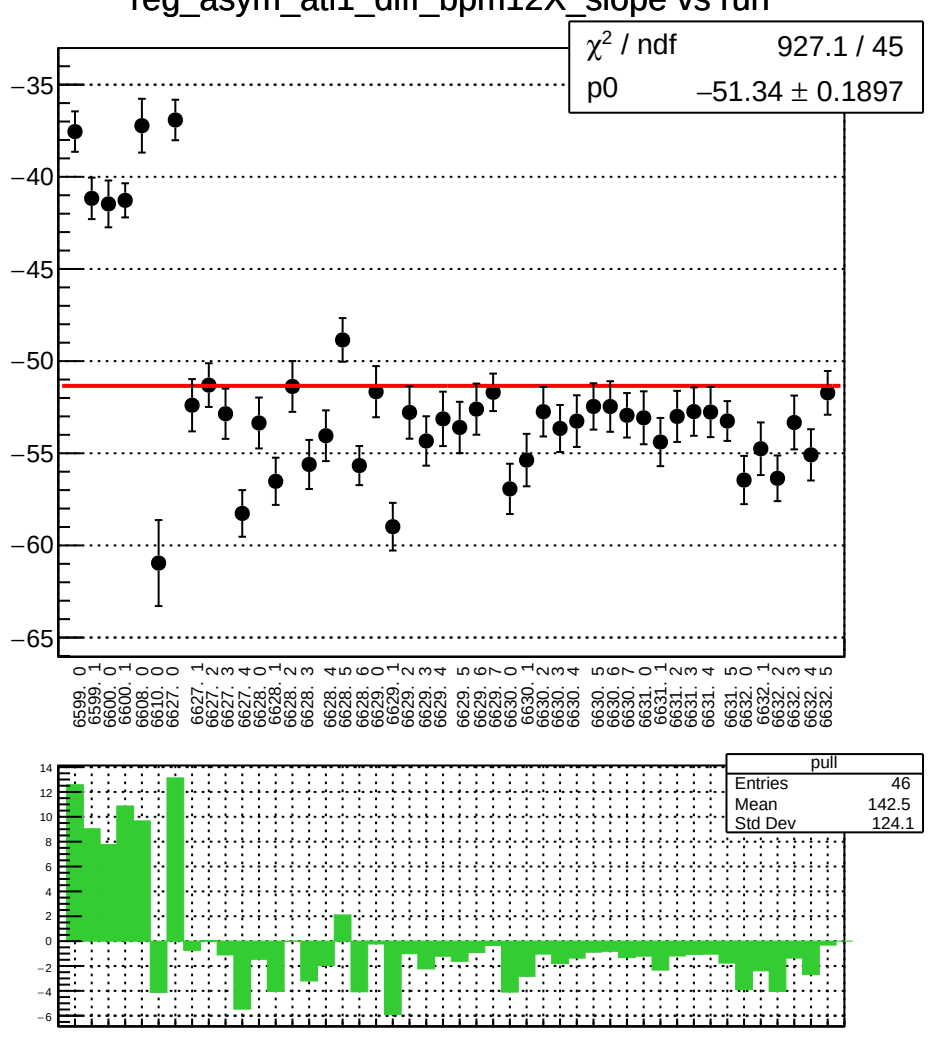

pull1D
Entries 46
Mean 0.01395
Std Dev 0.7284

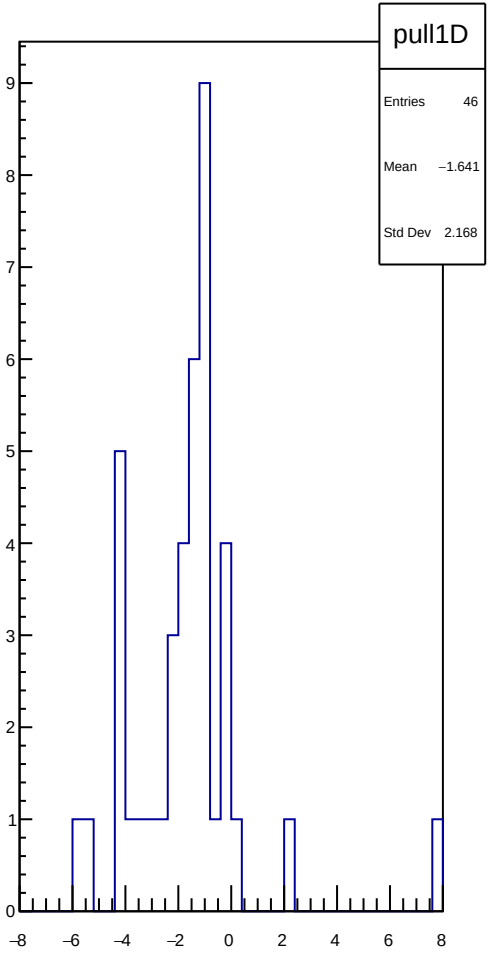

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 50.62 / 45
p0 120.1 ± 4.738
pull
Entries 46
Mean 771.6
Std Dev 753.4

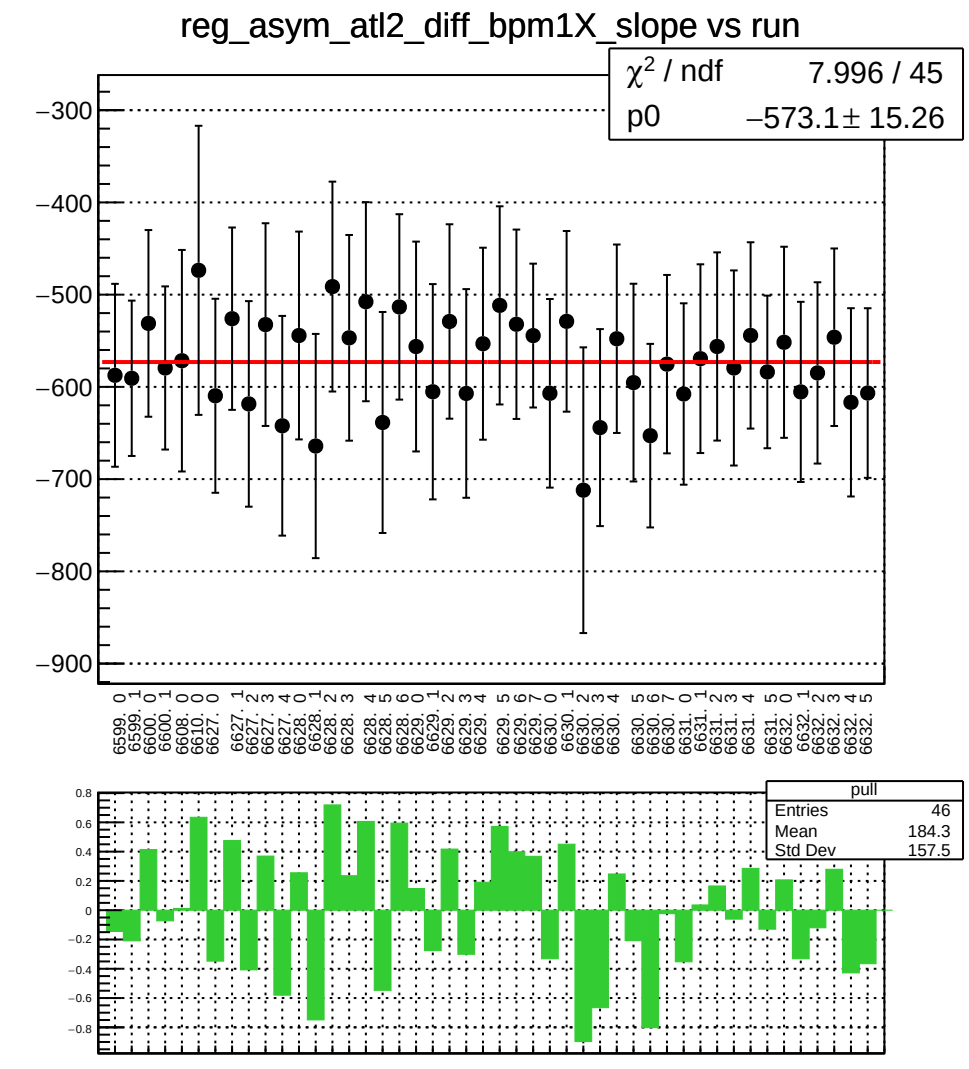

pull1D
Entries 46
Mean 0.002362
Std Dev 1.049

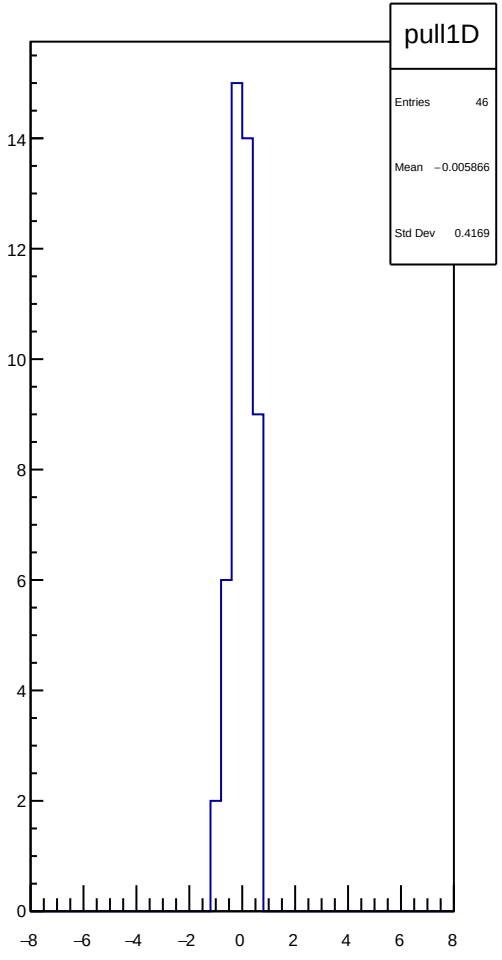

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 30.34 / 45
p0 7.705 ± 3.393
pull
Entries 46
Mean 43.66
Std Dev 56.93

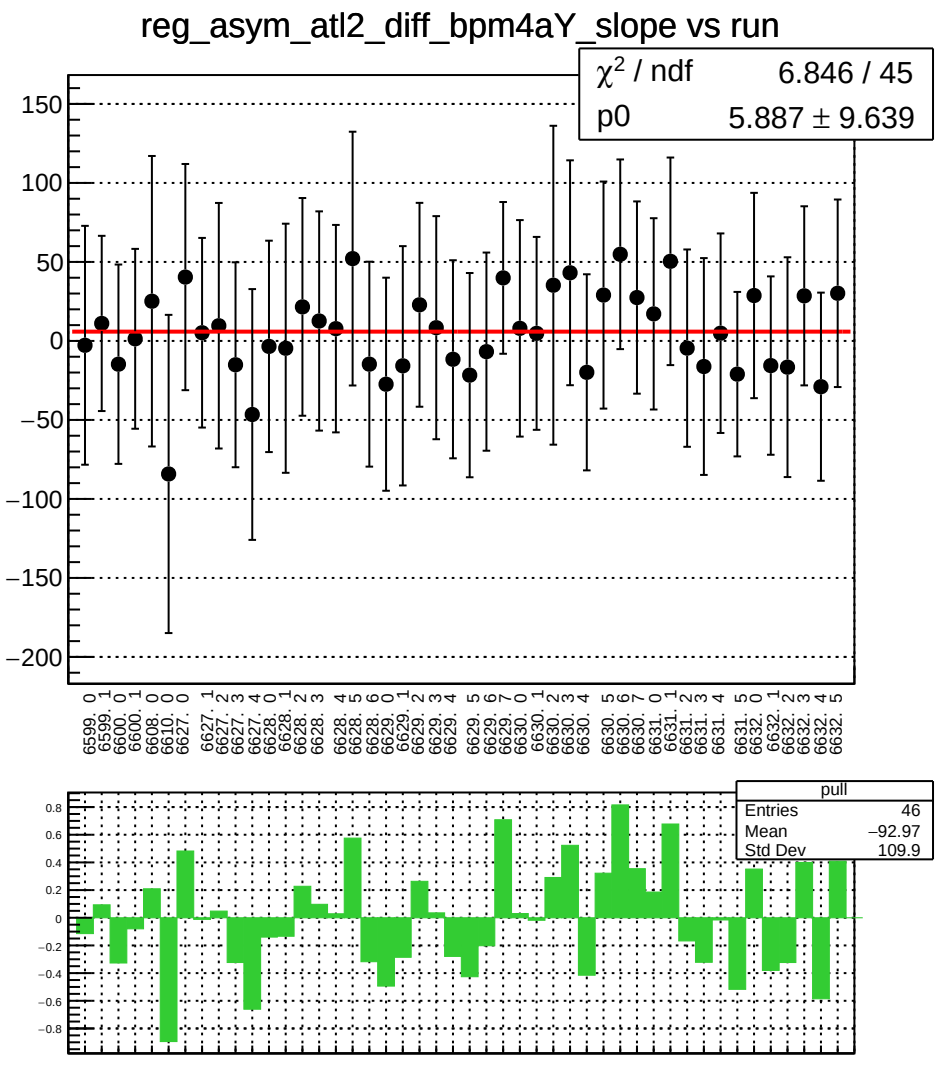

pull1D
Entries 46
Mean −0.009379
Std Dev 0.8121

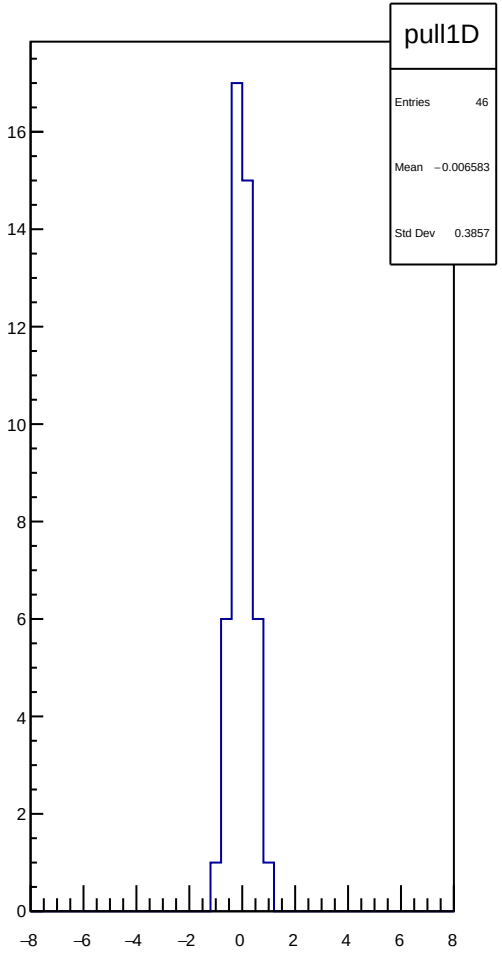

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 927.1 / 45
p0 −51.34 ± 0.1897
pull
Entries 46
Mean 142.5
Std Dev 124.1

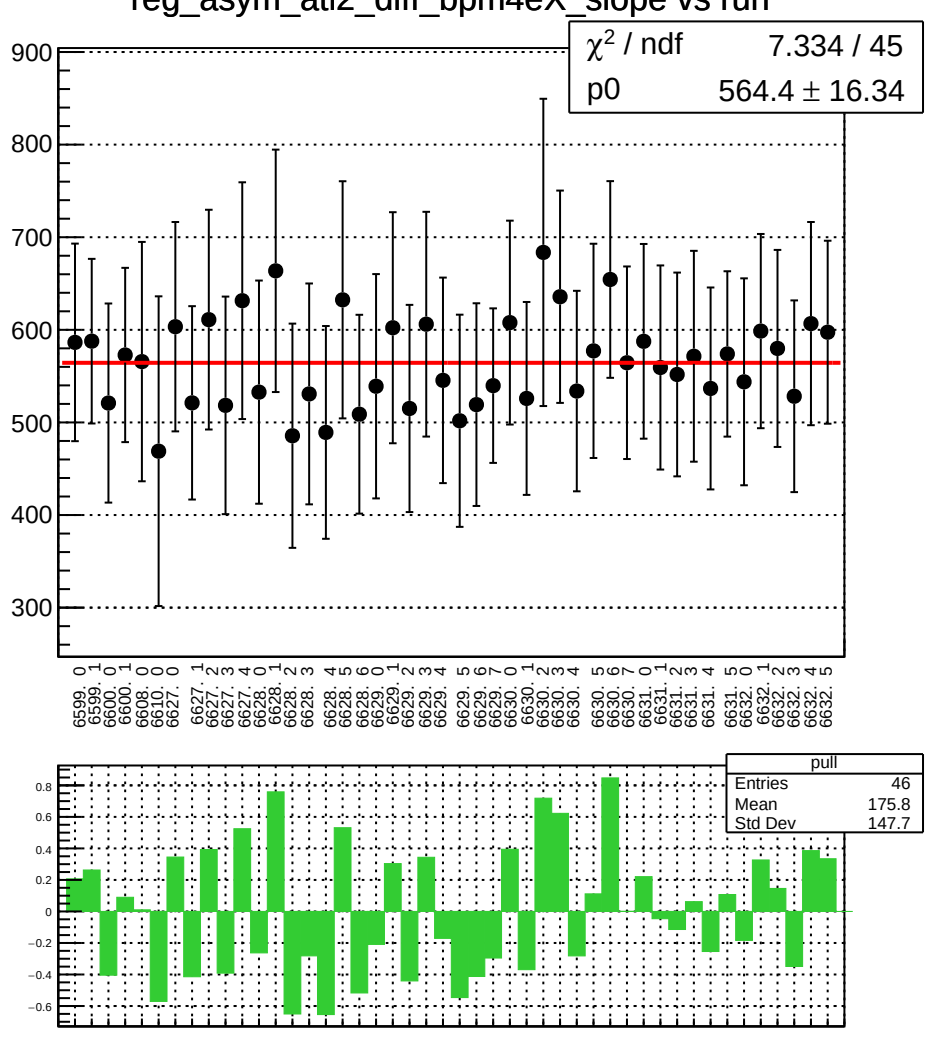

pull1D
Entries 46
Mean −1.641
Std Dev 2.168

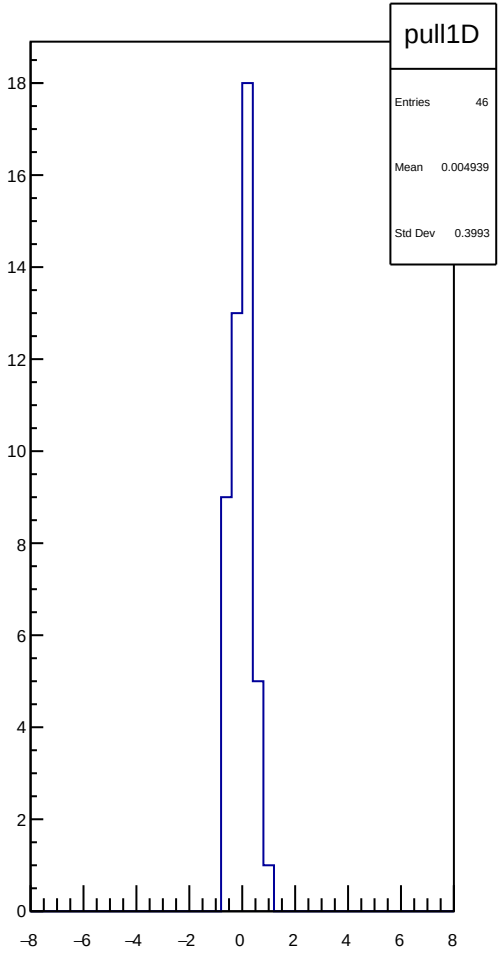

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 7.996 / 45
p0 −573.1± 15.26
pull
Entries 46
Mean 184.3
Std Dev 157.5

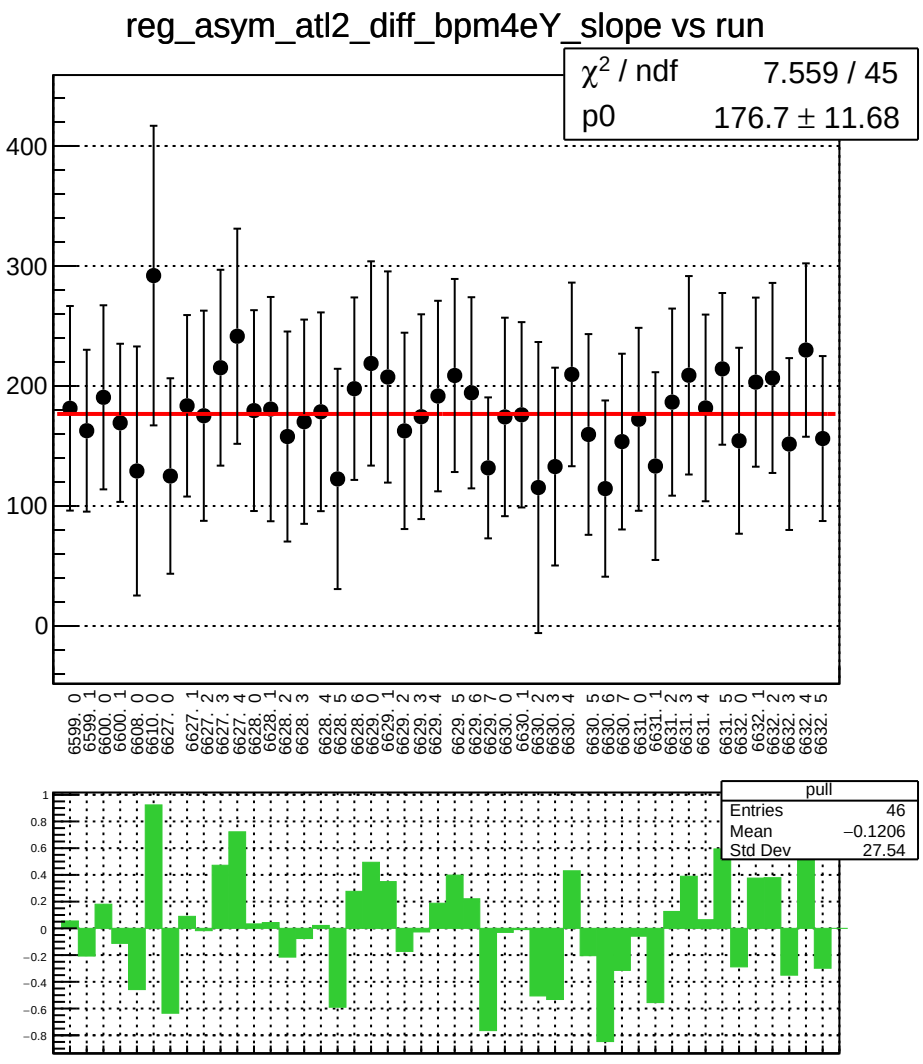

pull1D
Entries 46
Mean −0.005866
Std Dev 0.4169

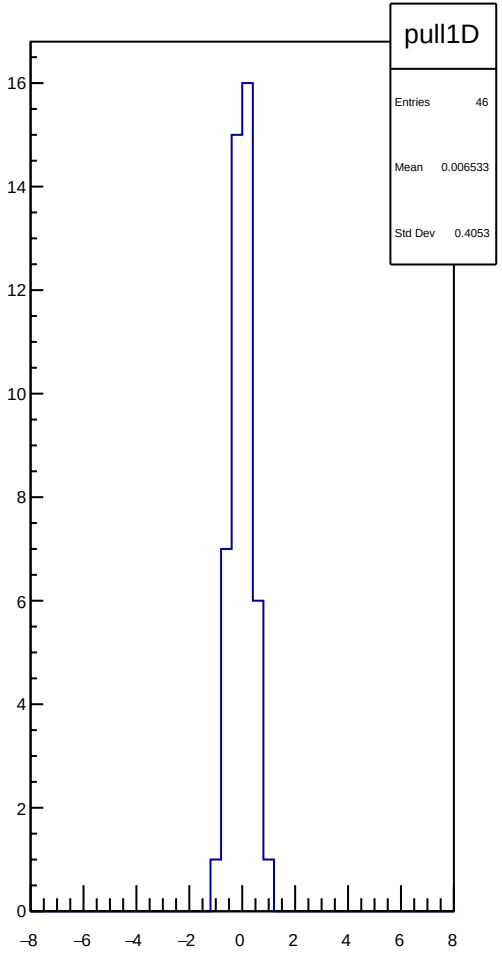

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.846 / 45
p0 5.887 ± 9.639
150
100
50
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −92.97
Std Dev 109.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

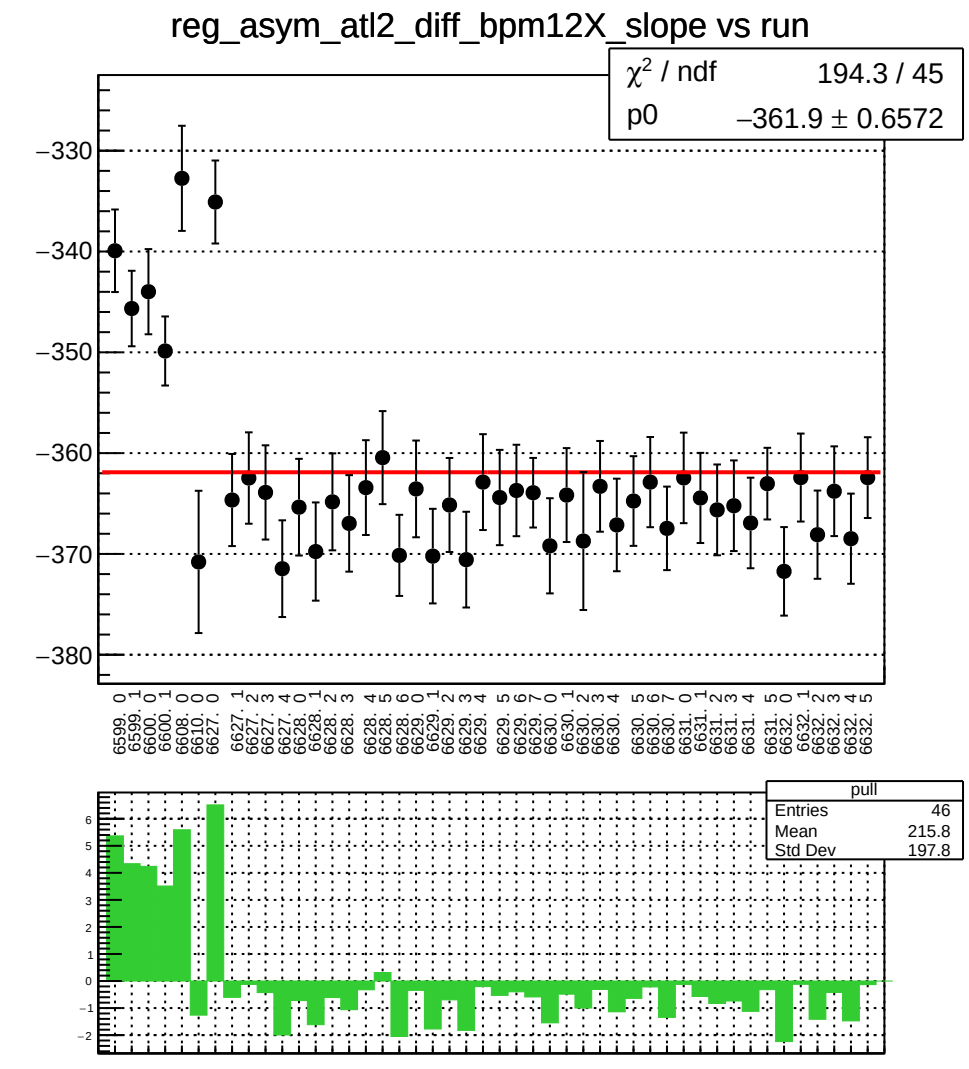

pull1D
Entries 46
Mean −0.006583
Std Dev 0.3857
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

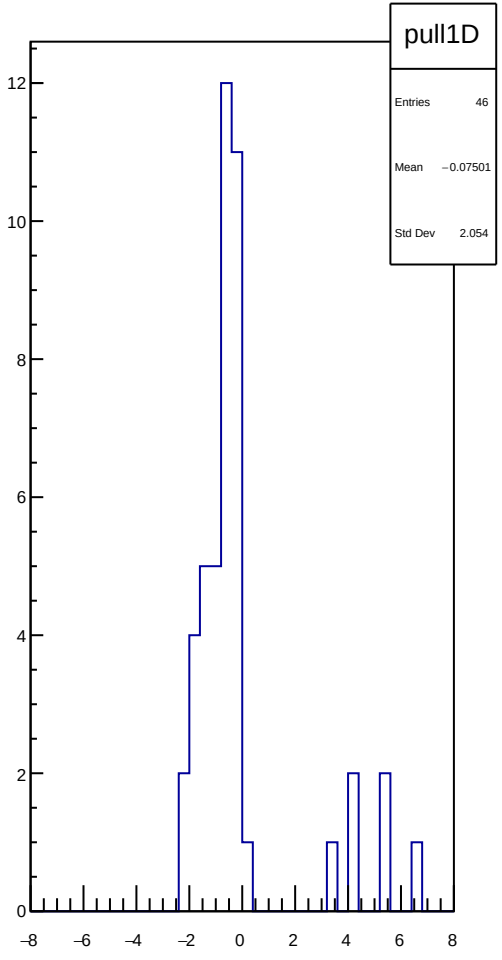

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 7.334 / 45
p0 564.4 ± 16.34
900
800
700
600
500
400
300
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 175.8
Std Dev 147.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

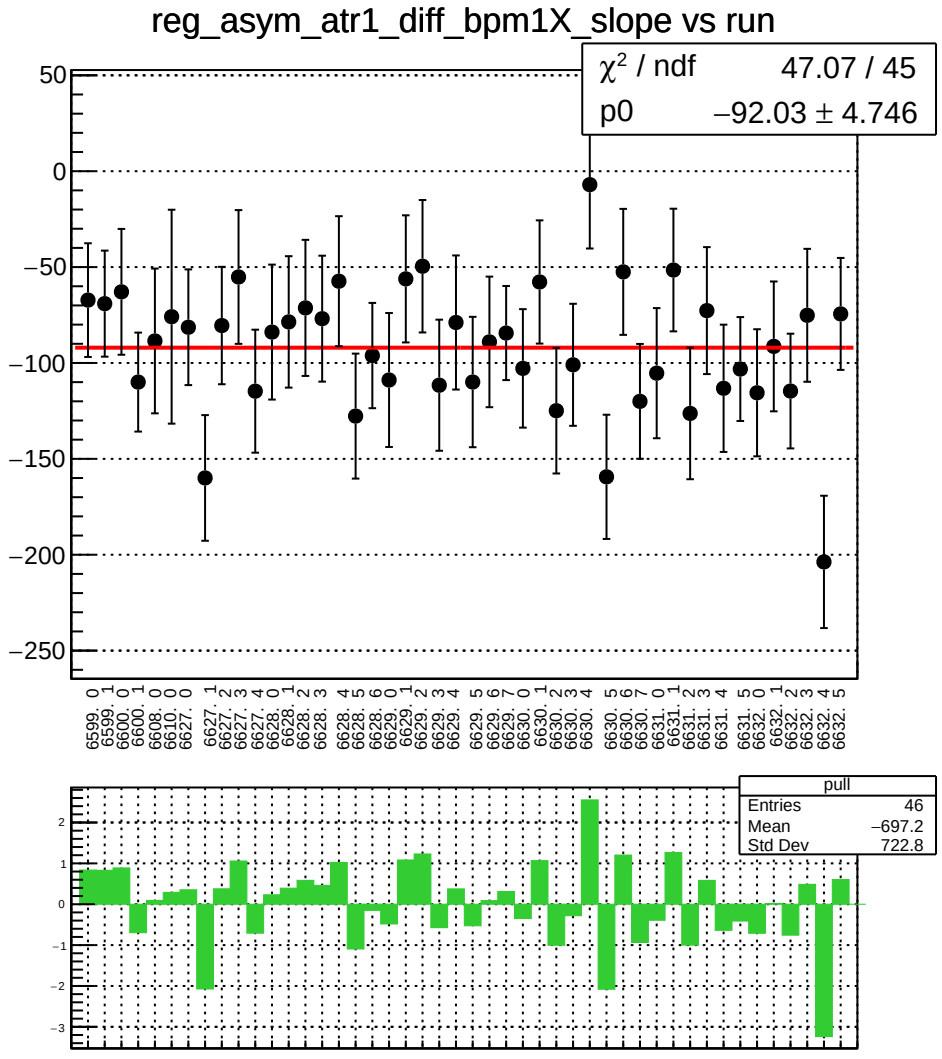

pull1D
Entries 46
Mean 0.004939
Std Dev 0.3993
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

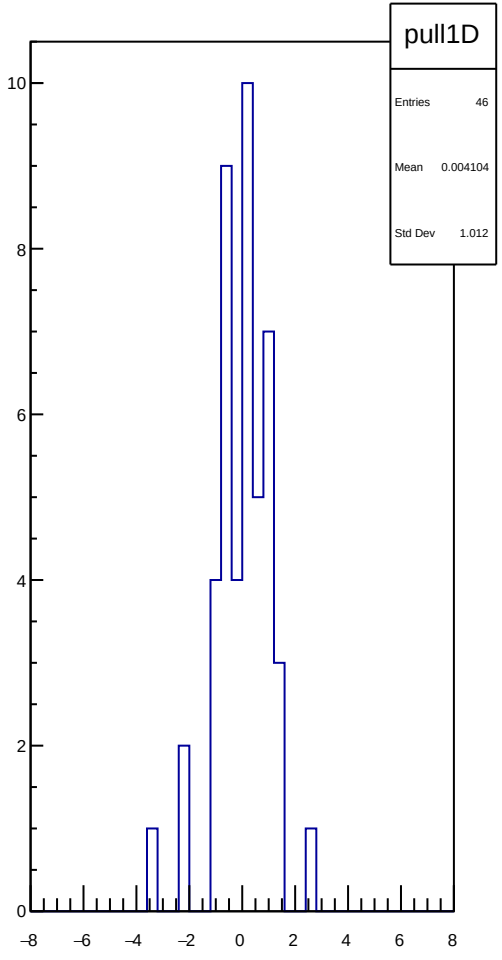

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 7.559 / 45
p0 176.7 ± 11.68
400
300
200
100
0
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −0.1206
Std Dev 27.54
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

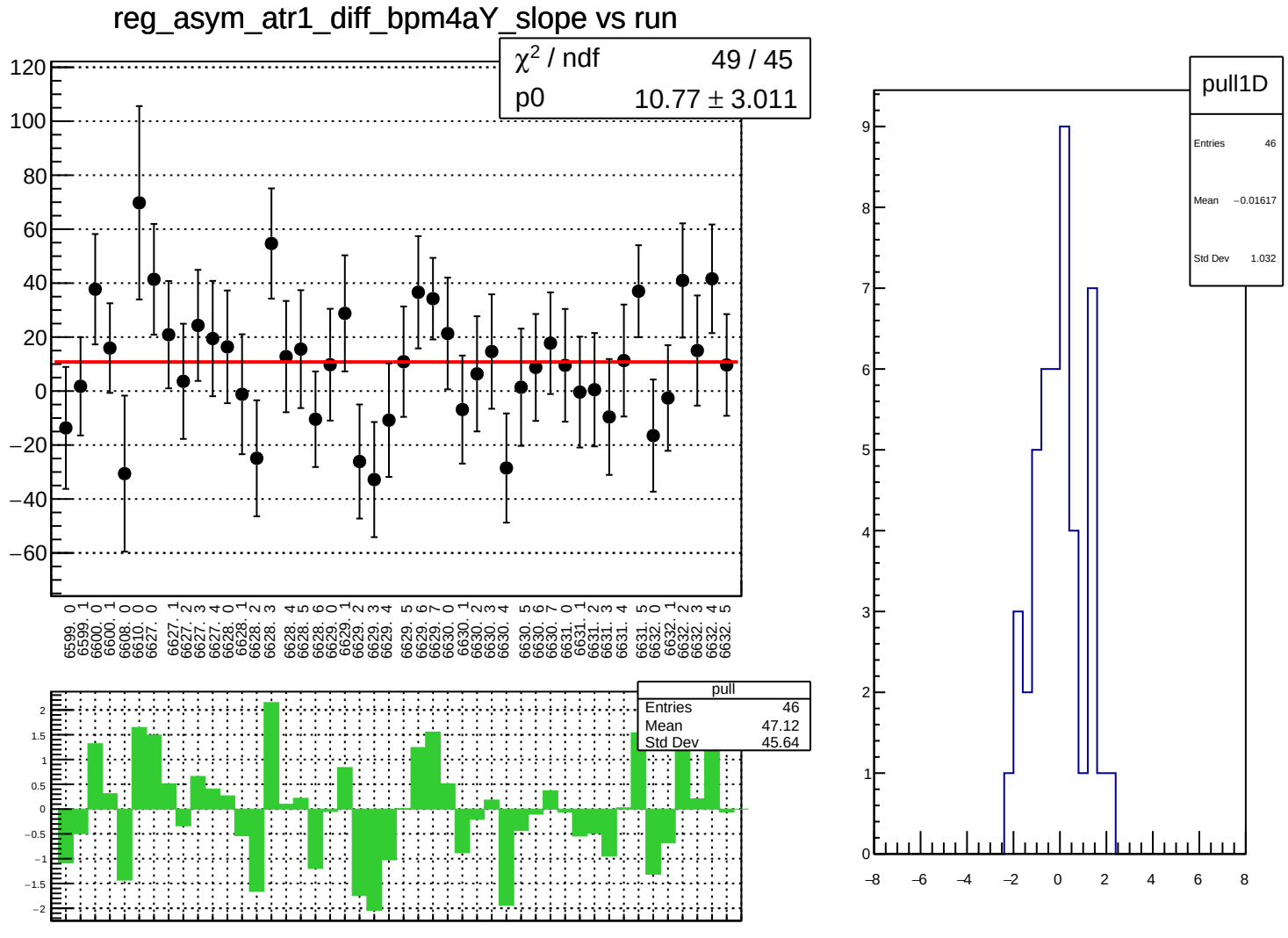

pull1D
Entries 46
Mean 0.006533
Std Dev 0.4053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

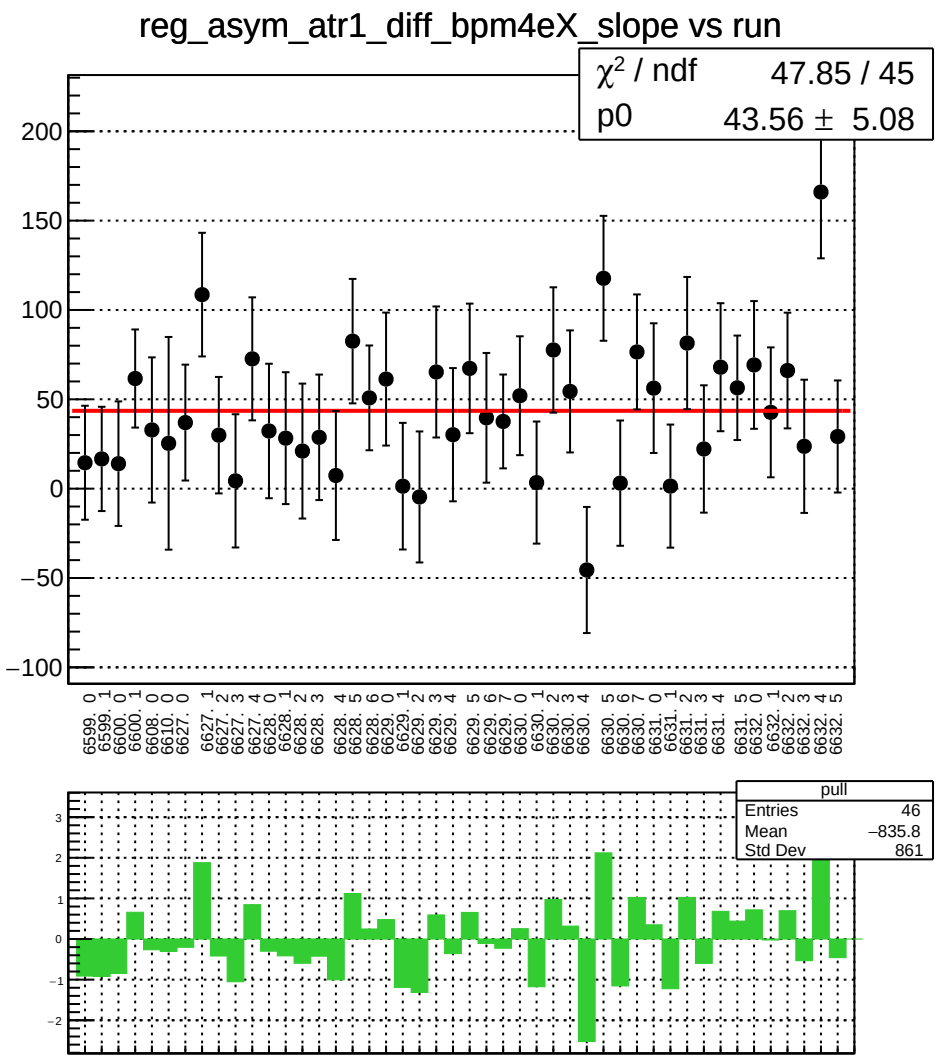

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 194.3 / 45
p0 −361.9 ± 0.6572
−330
−340
−350
−360
−370
−380
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 215.8
Std Dev 197.8
6
5
4
3
2
1
0
−1
−2

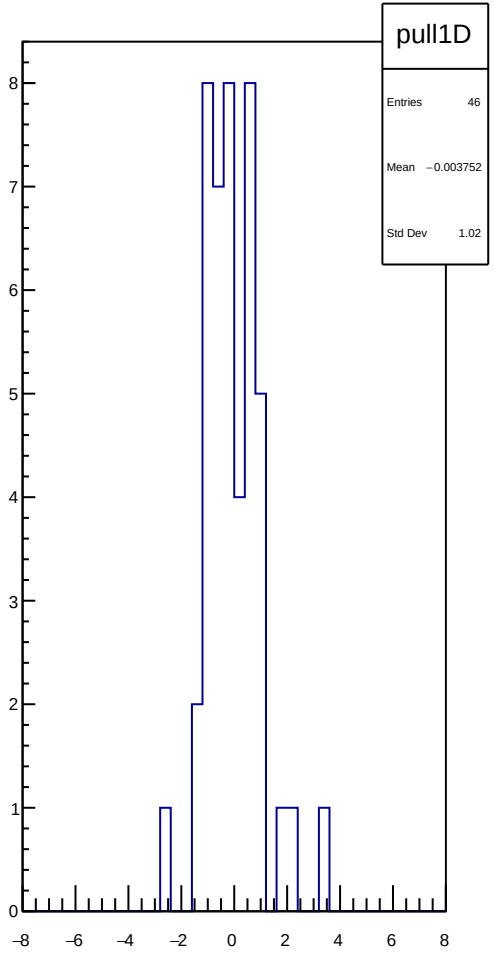

pull1D
Entries 46
Mean −0.07501
Std Dev 2.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

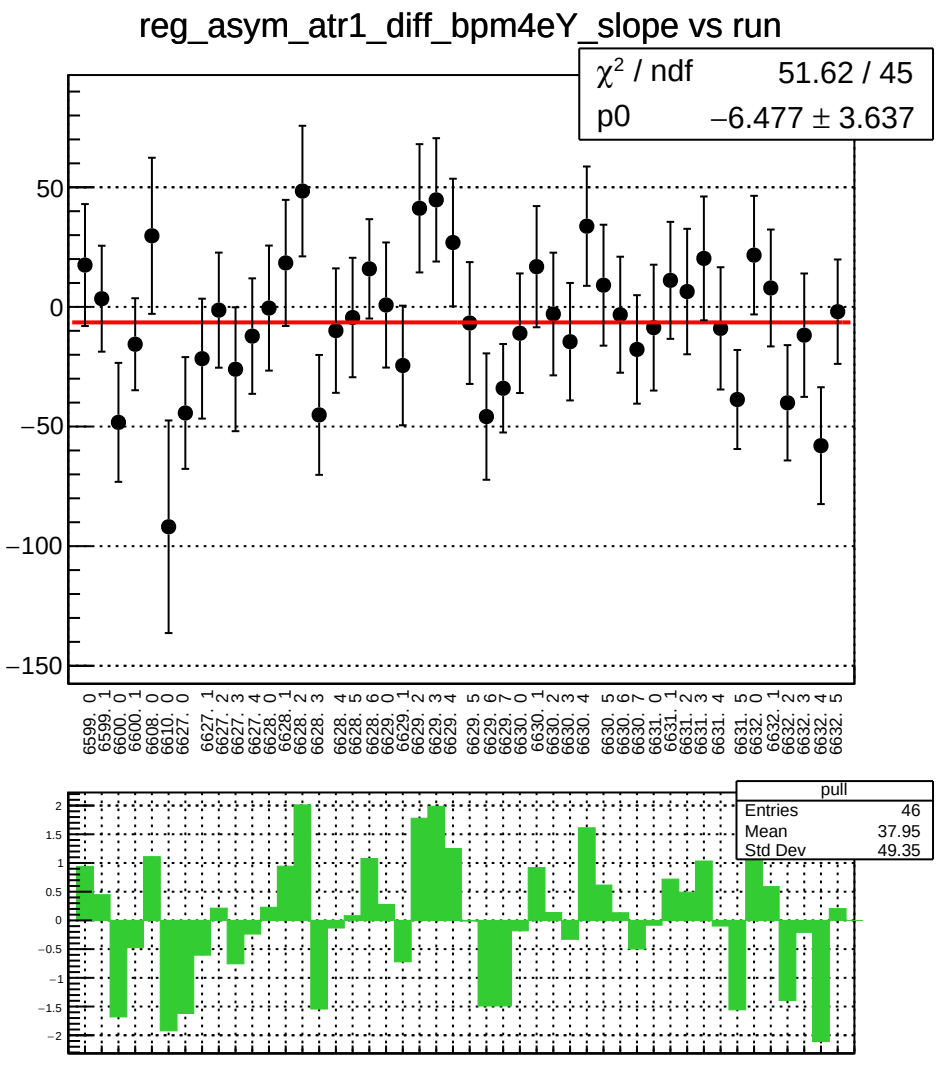

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 47.07 / 45
p0 −92.03 ± 4.746
pull
Entries 46
Mean −697.2
Std Dev 722.8

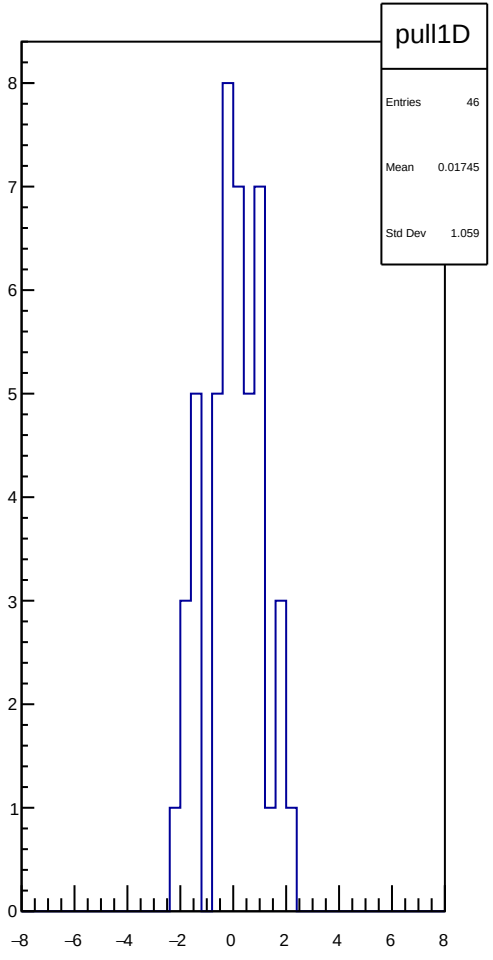

pull1D
Entries 46
Mean 0.004104
Std Dev 1.012

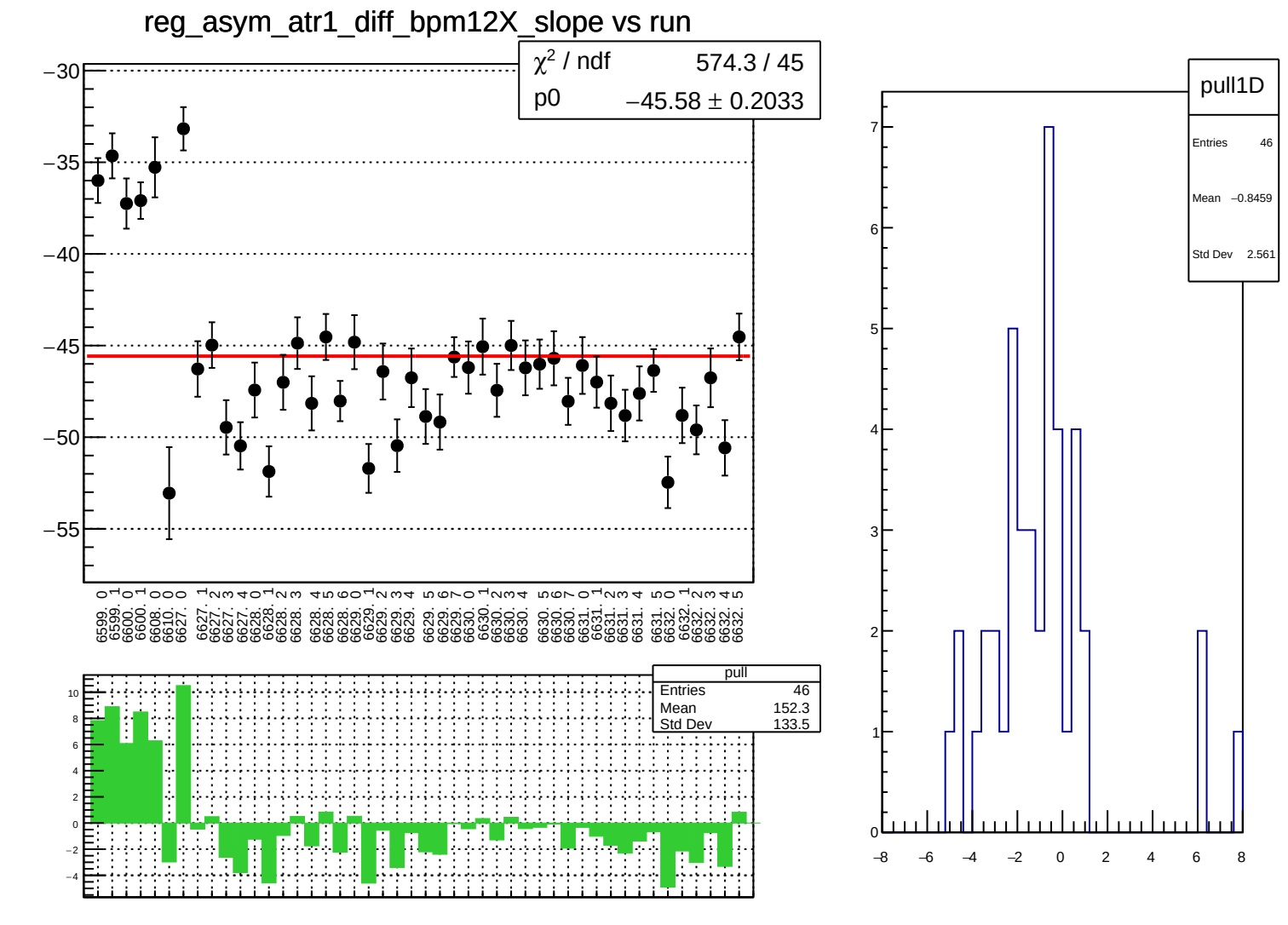

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 49 / 45
p0 10.77 ± 3.011
pull
Entries 46
Mean 47.12
Std Dev 45.64
pull1D
Entries 46
Mean −0.01617
Std Dev 1.032

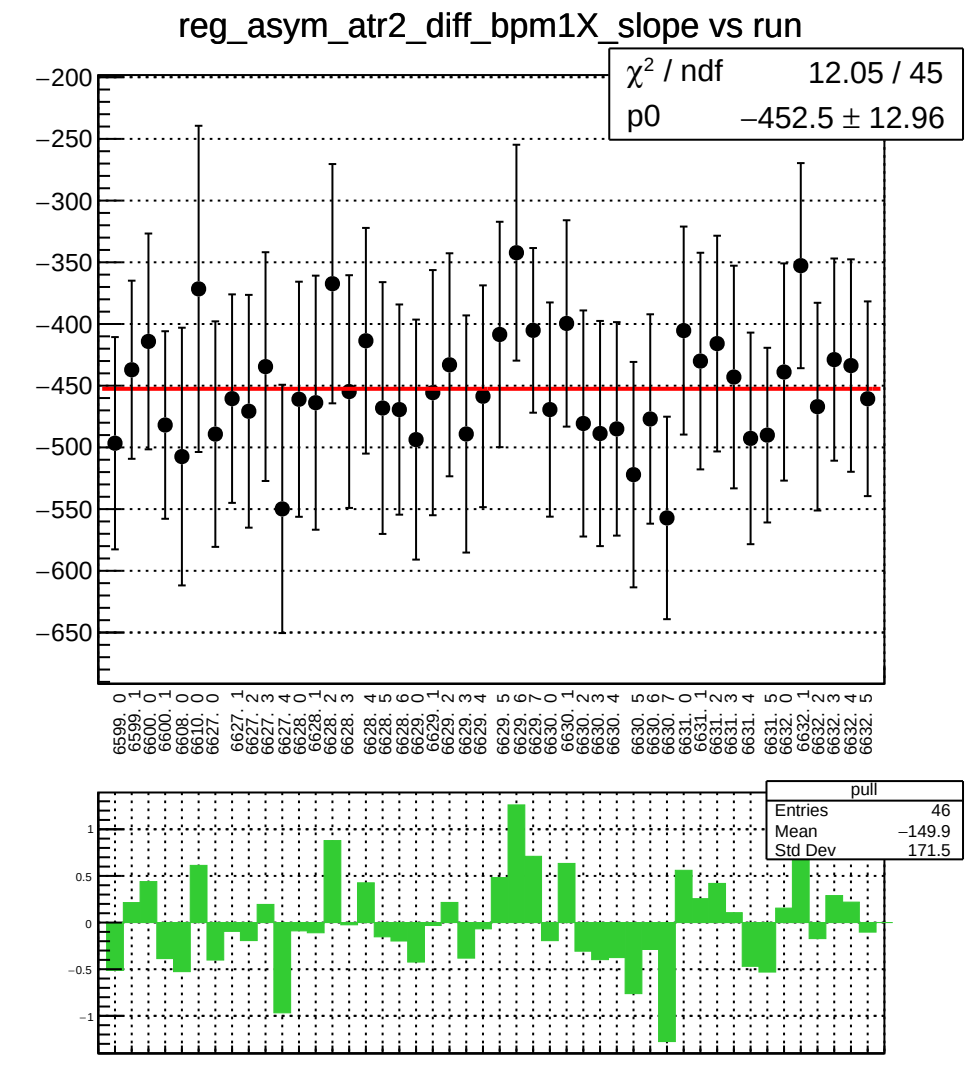

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 47.85 / 45
p0 43.56 ± 5.08
200
150
100
50
0
−50
−100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −835.8
Std Dev 861
3
2
1
0
−1
−2

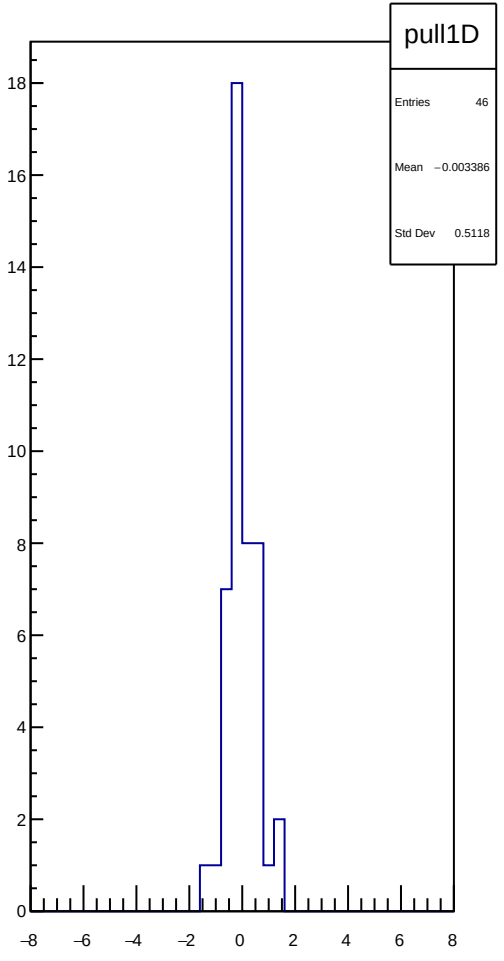

pull1D
Entries 46
Mean −0.003752
Std Dev 1.02
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

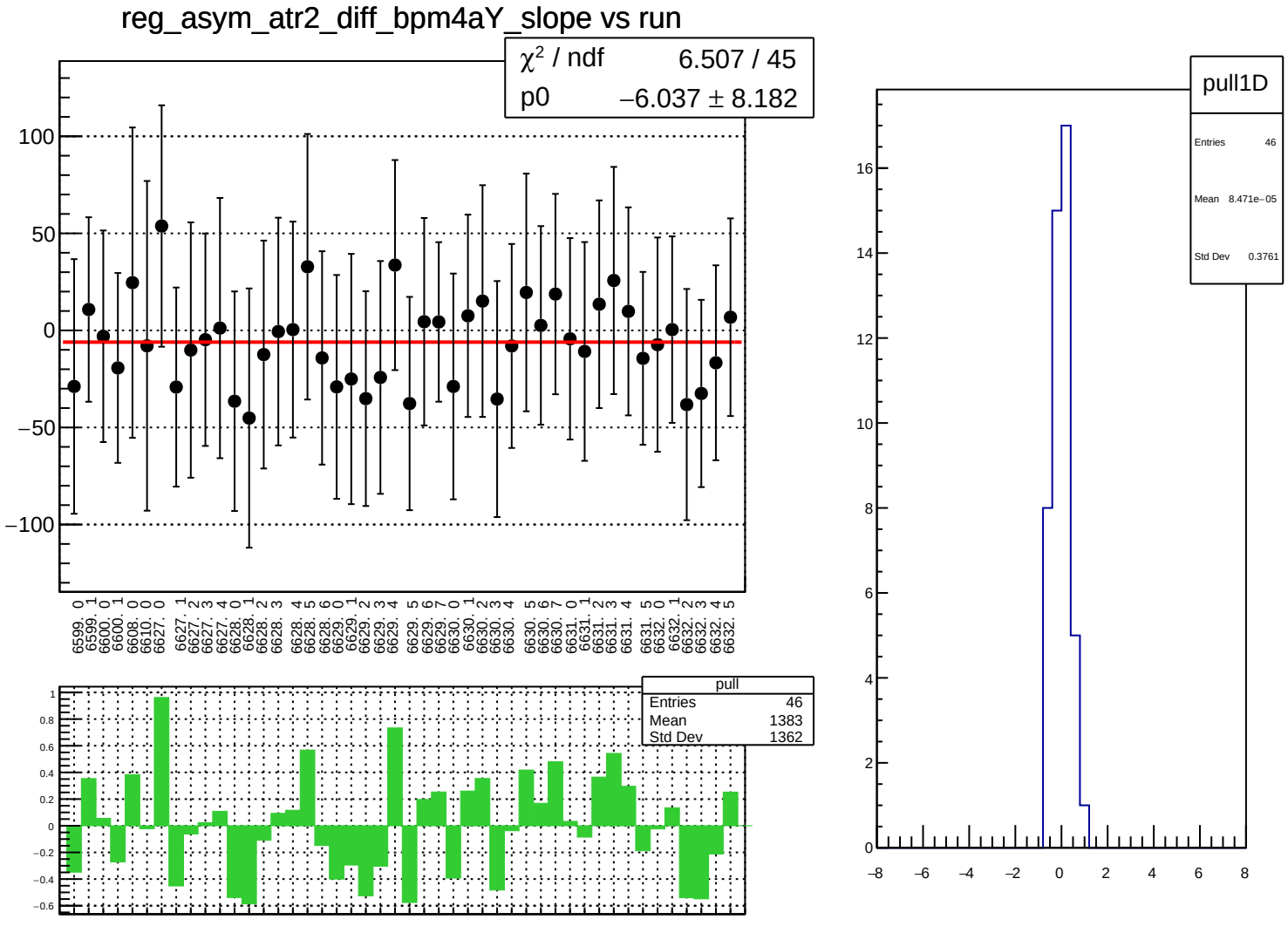

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 51.62 / 45
p0 −6.477 ± 3.637
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 37.95
Std Dev 49.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

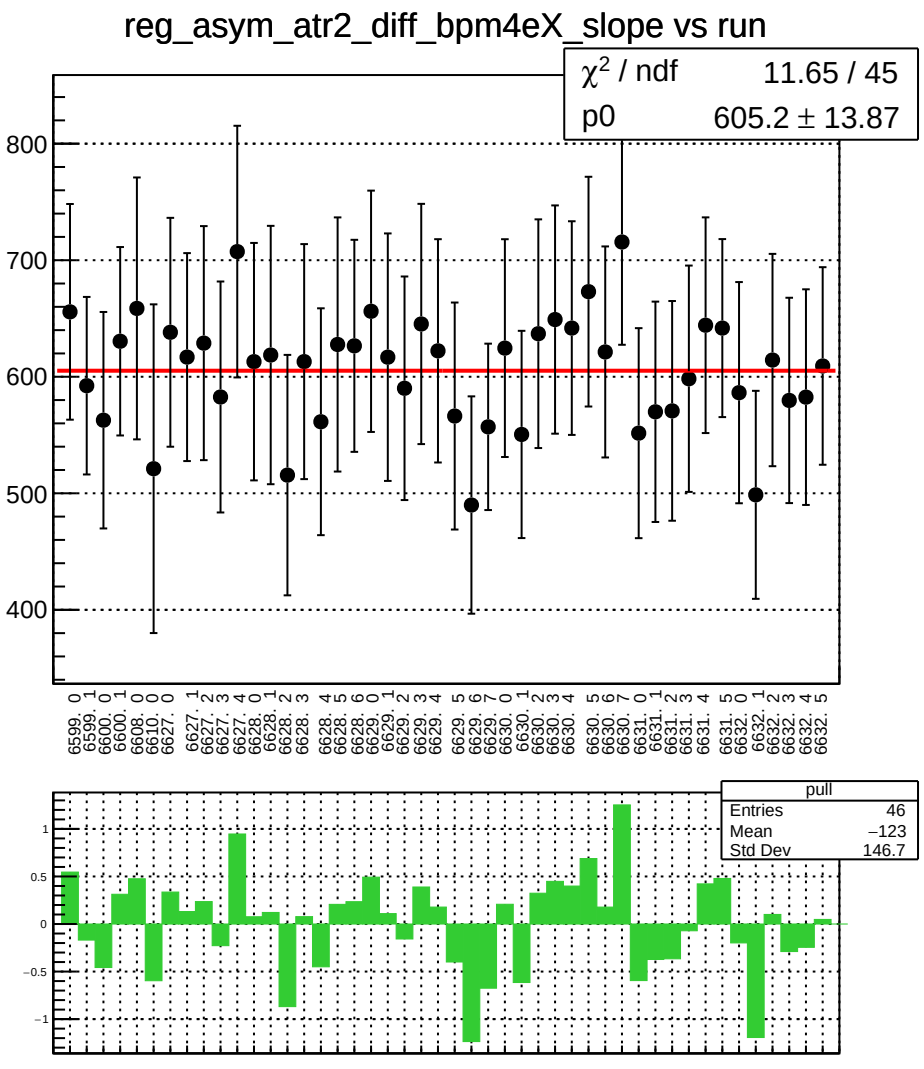

pull1D
Entries 46
Mean 0.01745
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

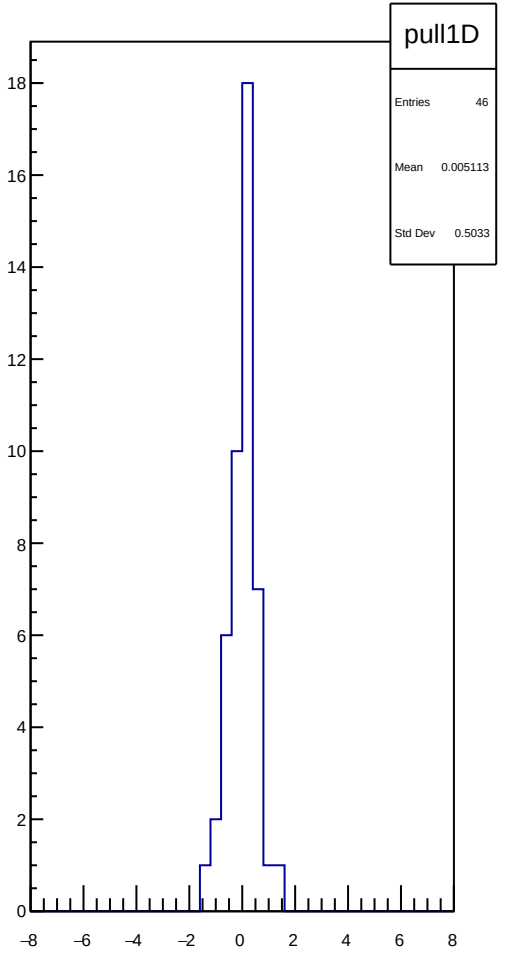

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 574.3 / 45
p0 −45.58 ± 0.2033
−30
−35
−40
−45
−50
−55
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 152.3
Std Dev 133.5
10
8
6
4
2
0
−2
−4
pull1D
Entries 46
Mean −0.8459
Std Dev 2.561
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

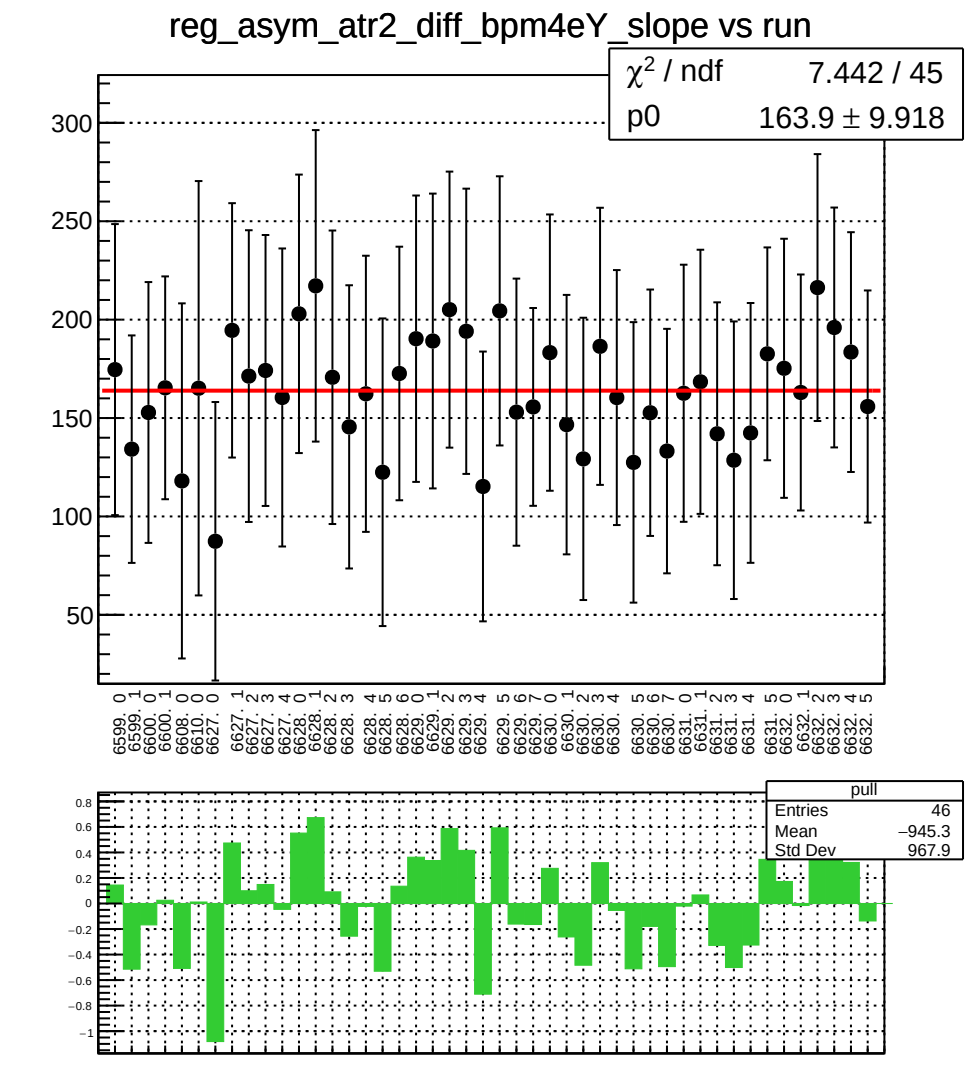

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 12.05 / 45
p0 −452.5 ± 12.96
pull
Entries 46
Mean −149.9
Std Dev 171.5

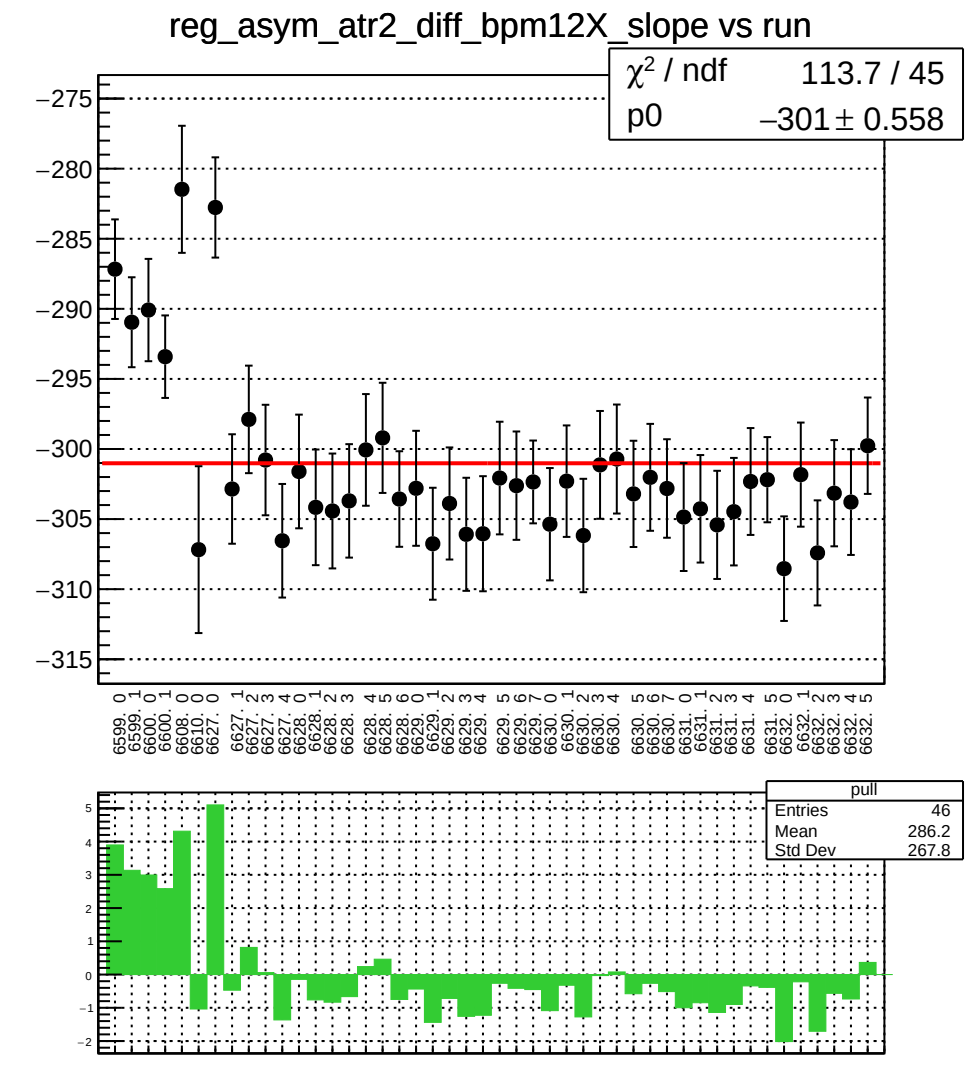

pull1D
Entries 46
Mean −0.003386
Std Dev 0.5118

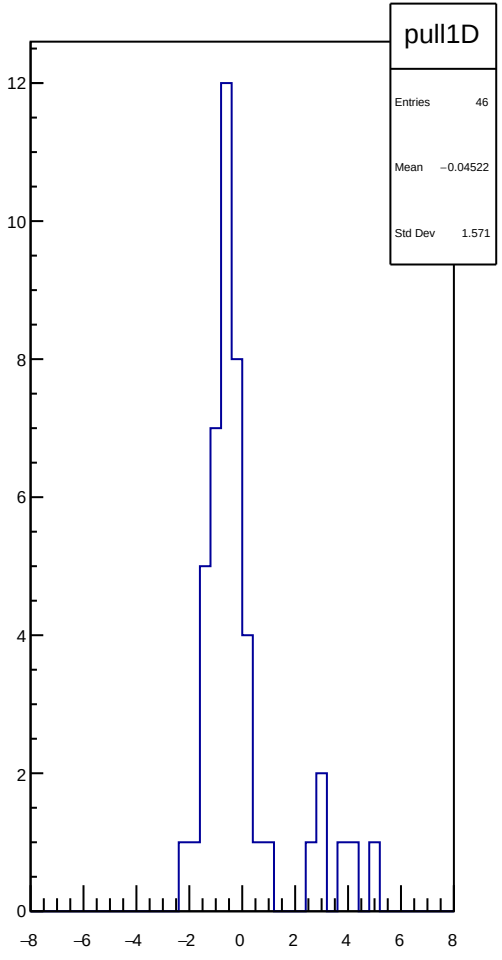

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.507 / 45
p0 −6.037 ± 8.182
100
50
0
−50
−100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 1383
Std Dev 1362
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 46
Mean 8.471e−05
Std Dev 0.3761
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

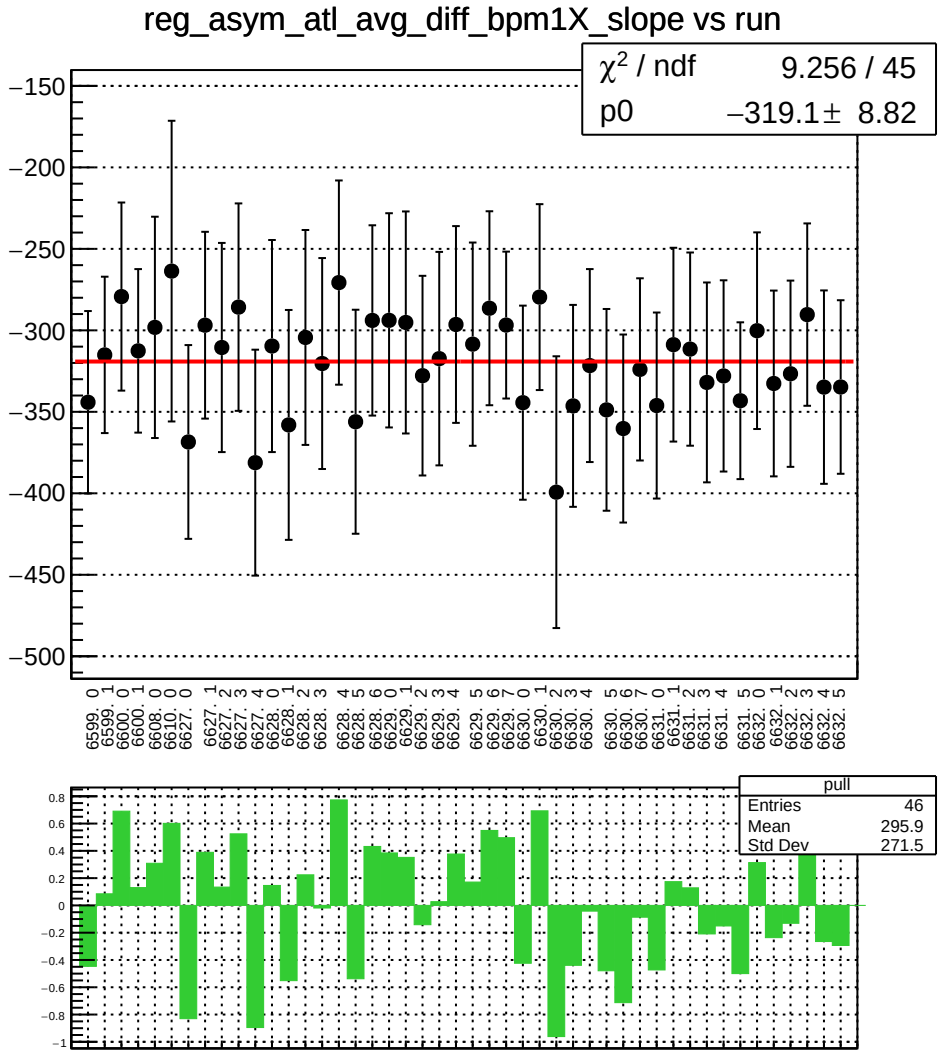

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 11.65 / 45
p0 605.2 ± 13.87
800
700
600
500
400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −123
Std Dev 146.7
1
0.5
0
−0.5
−1

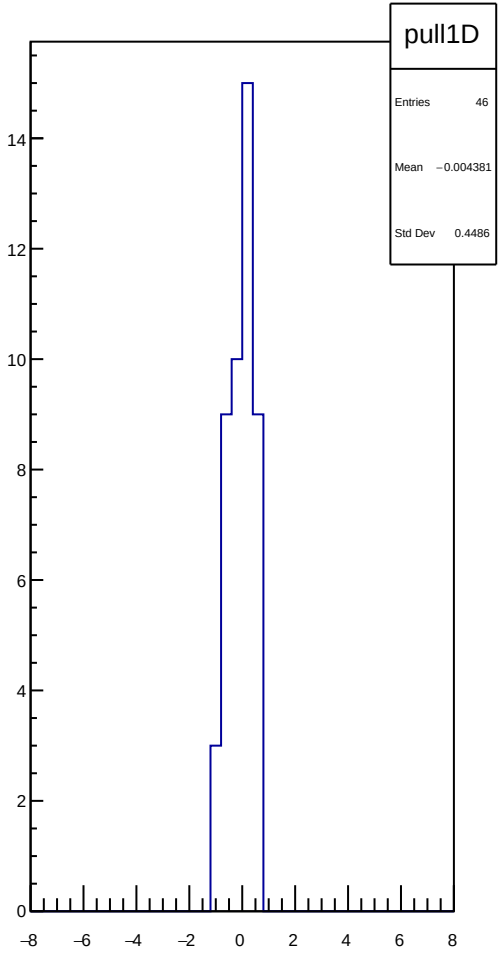

pull1D
Entries 46
Mean 0.005113
Std Dev 0.5033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

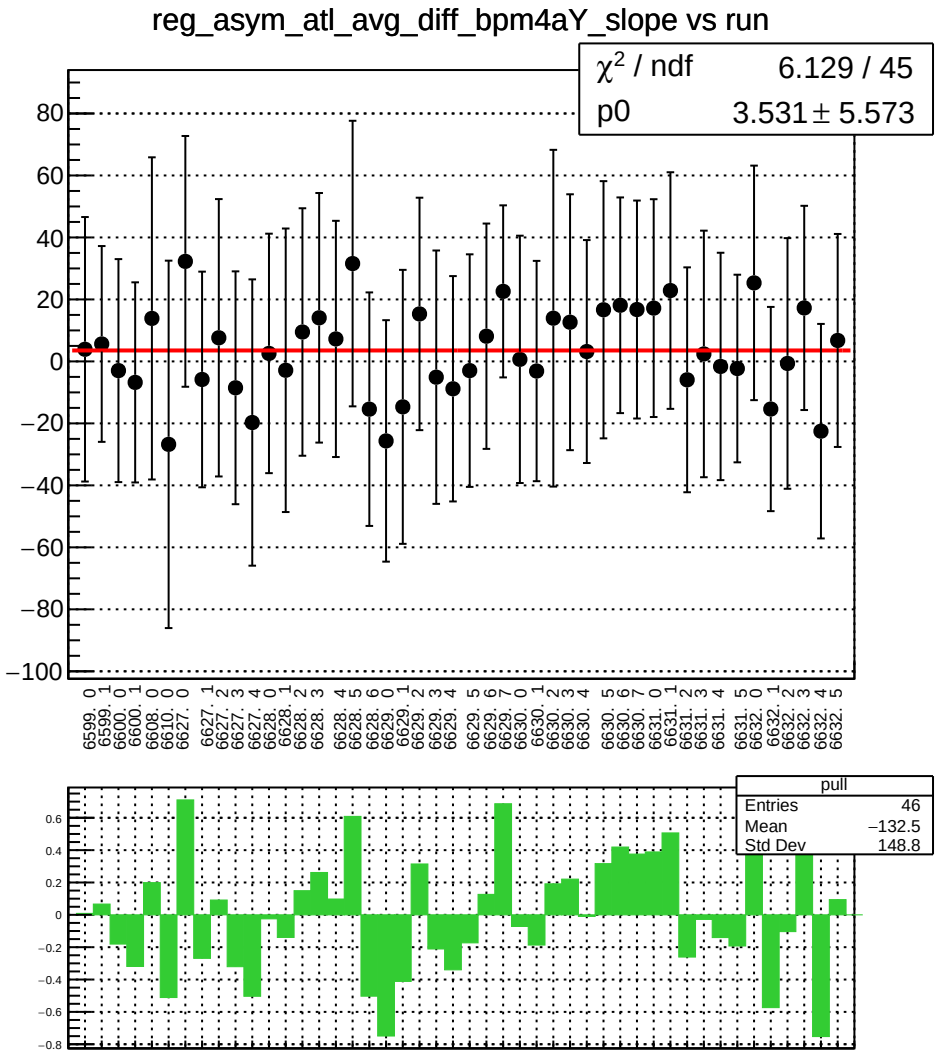

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 7.442 / 45
p0 163.9 ± 9.918
300
250
200
150
100
50
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −945.3
Std Dev 967.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 46
Mean −0.000516
Std Dev 0.4022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

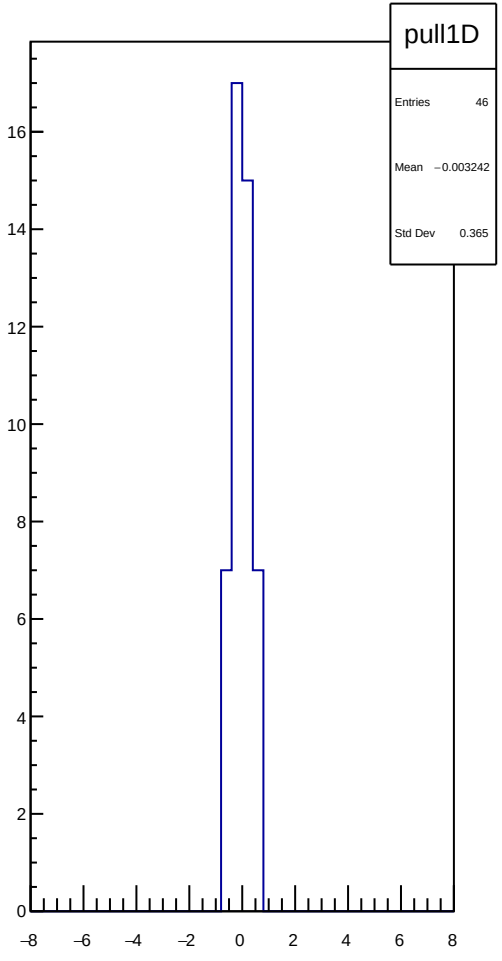

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 113.7 / 45
p0 −301 ± 0.558
pull
Entries 46
Mean 286.2
Std Dev 267.8

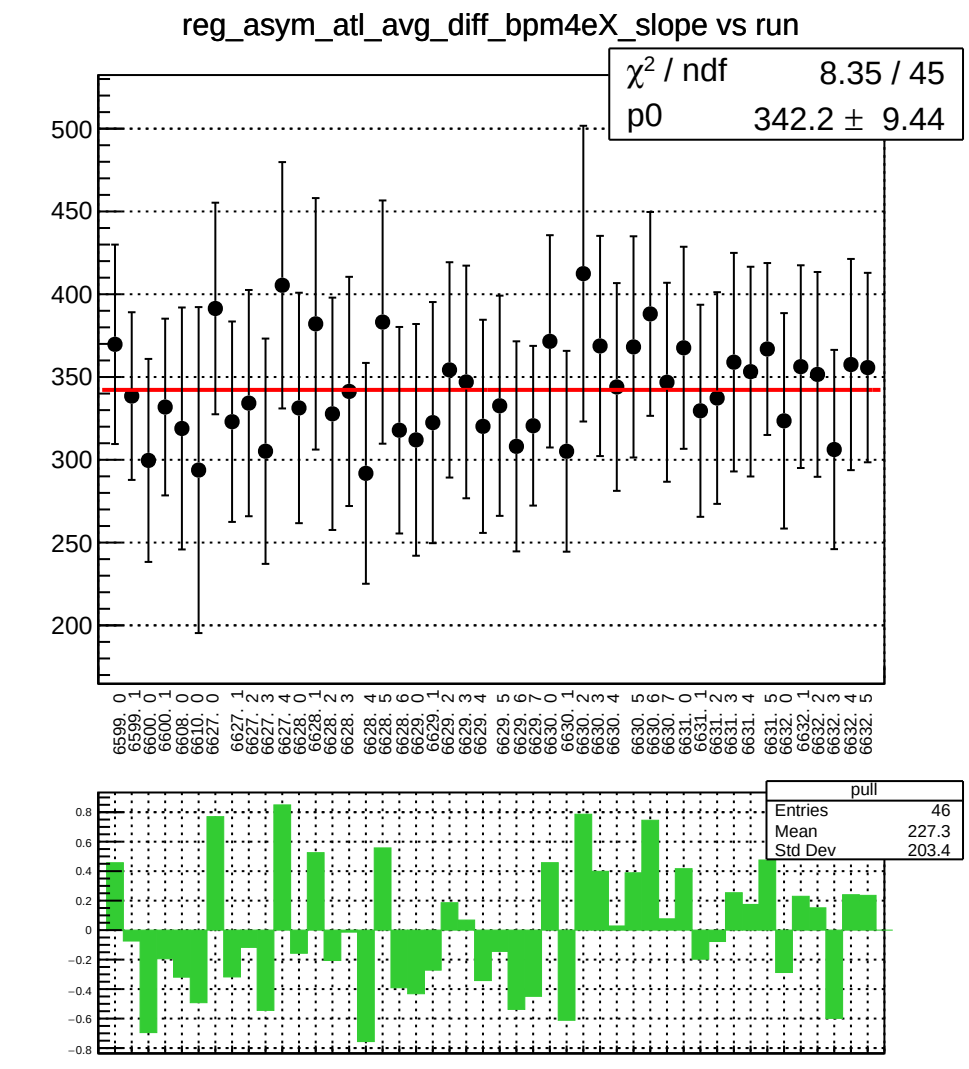

pull1D
Entries 46
Mean −0.04522
Std Dev 1.571

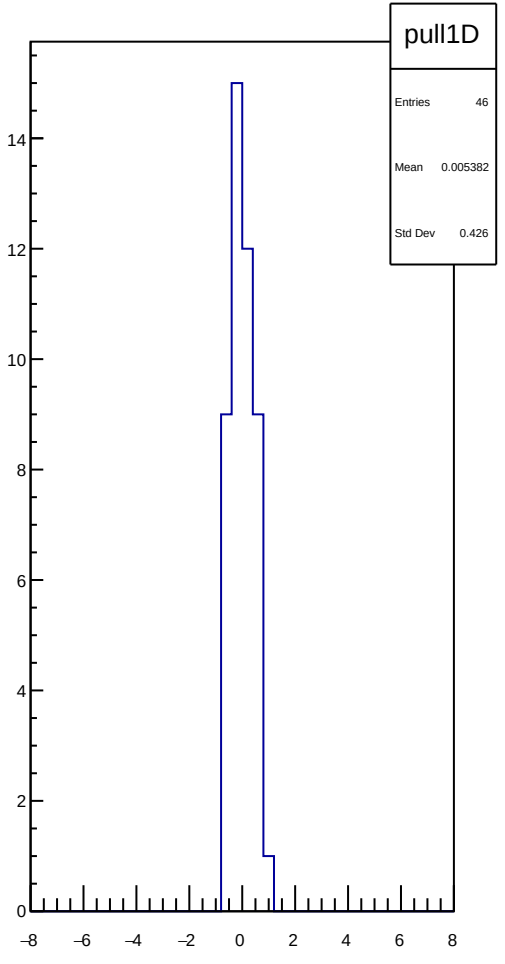

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 9.256 / 45
p0 −319.1± 8.82
pull
Entries 46
Mean 295.9
Std Dev 271.5

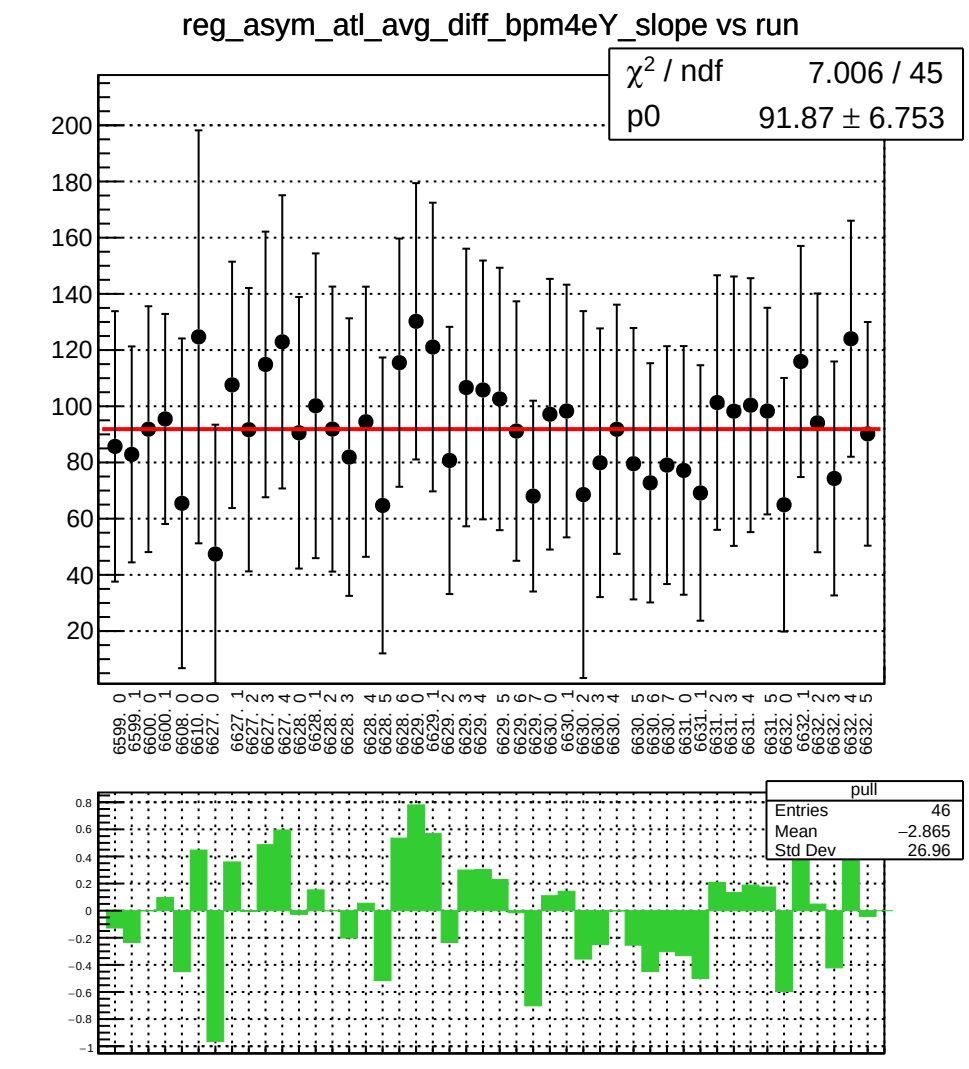

pull1D
Entries 46
Mean −0.004381
Std Dev 0.4486

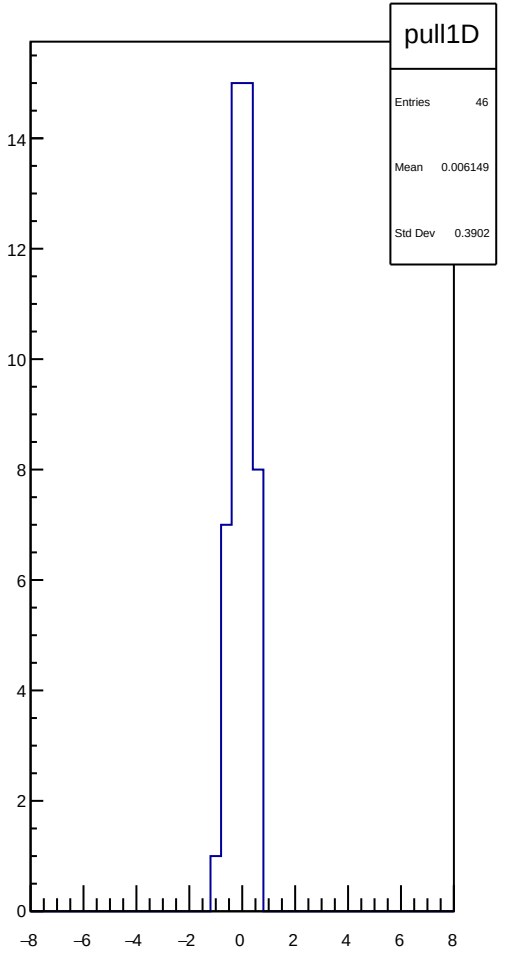

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.129 / 45
p0 3.531 ± 5.573
pull
Entries 46
Mean −132.5
Std Dev 148.8

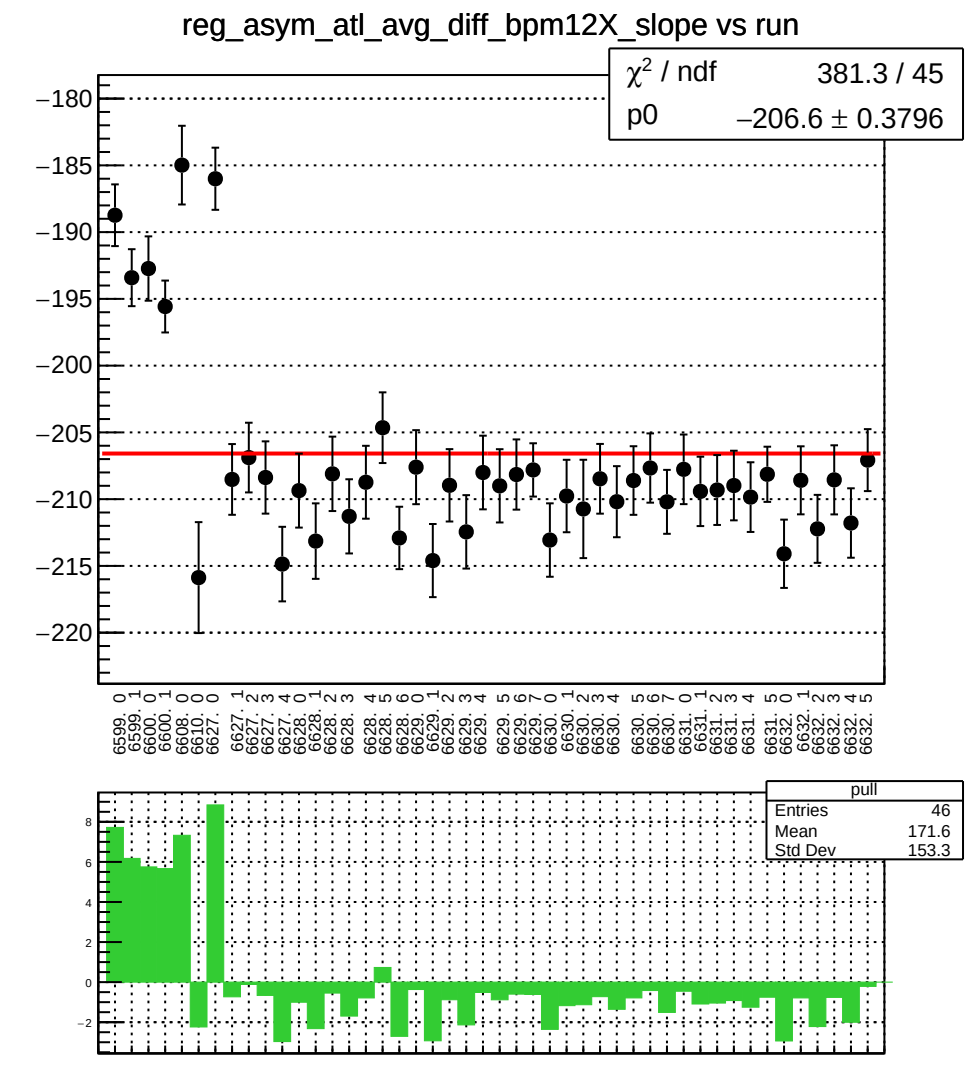

pull1D
Entries 46
Mean −0.003242
Std Dev 0.365

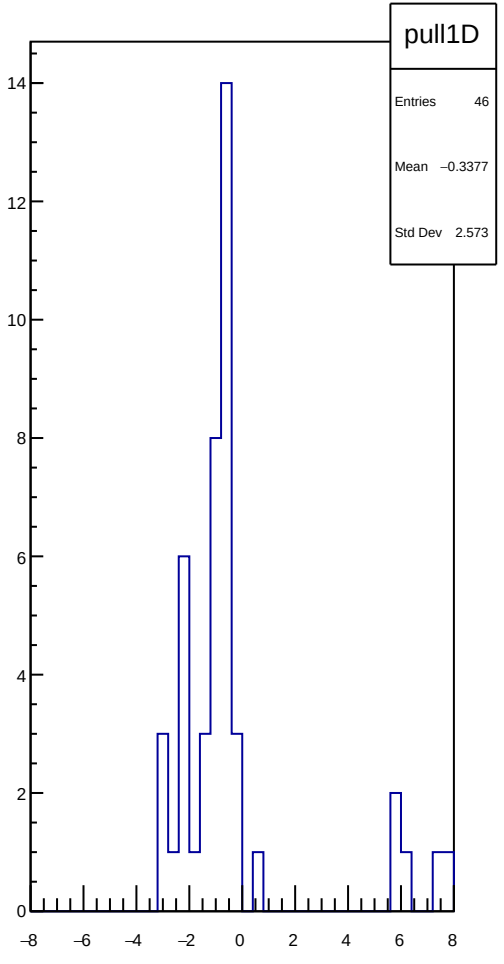

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.35 / 45
p0 342.2 ± 9.44
pull
Entries 46
Mean 227.3
Std Dev 203.4

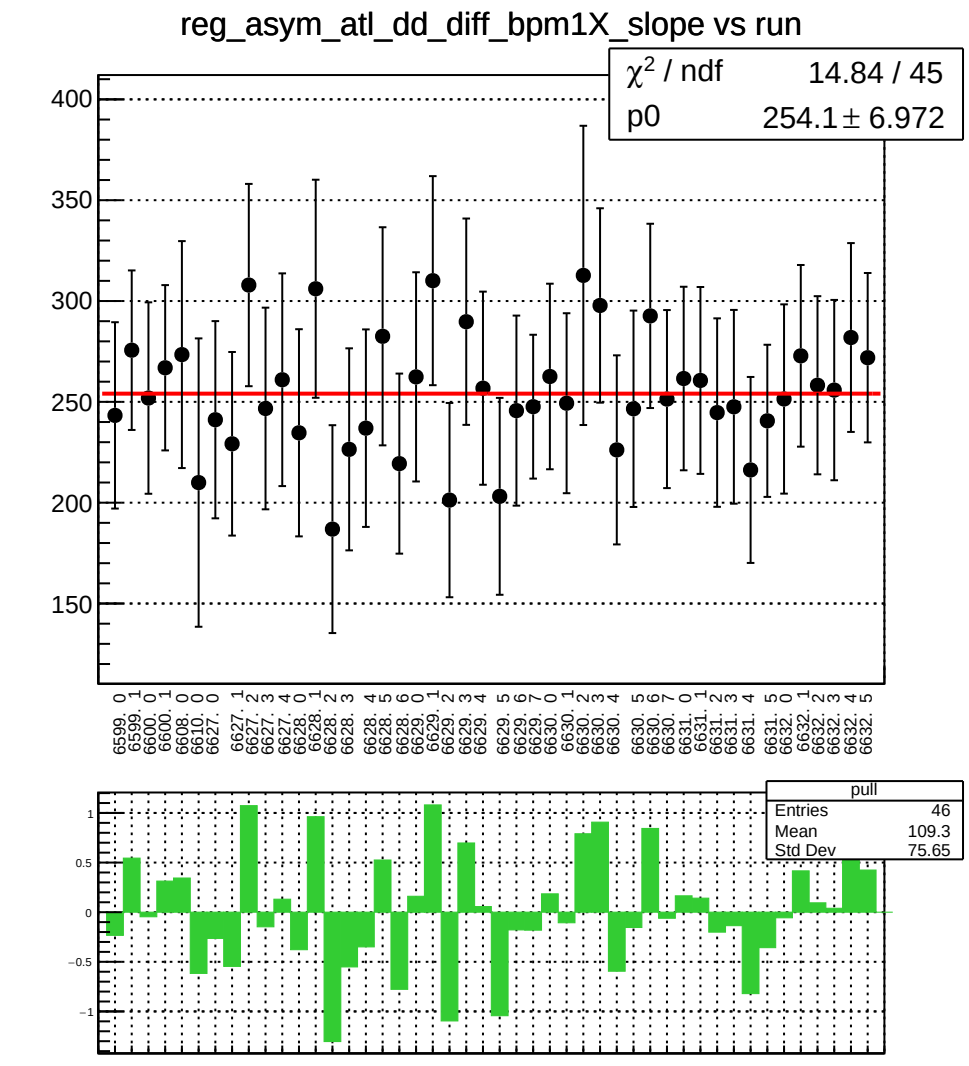

pull1D
Entries 46
Mean 0.005382
Std Dev 0.426

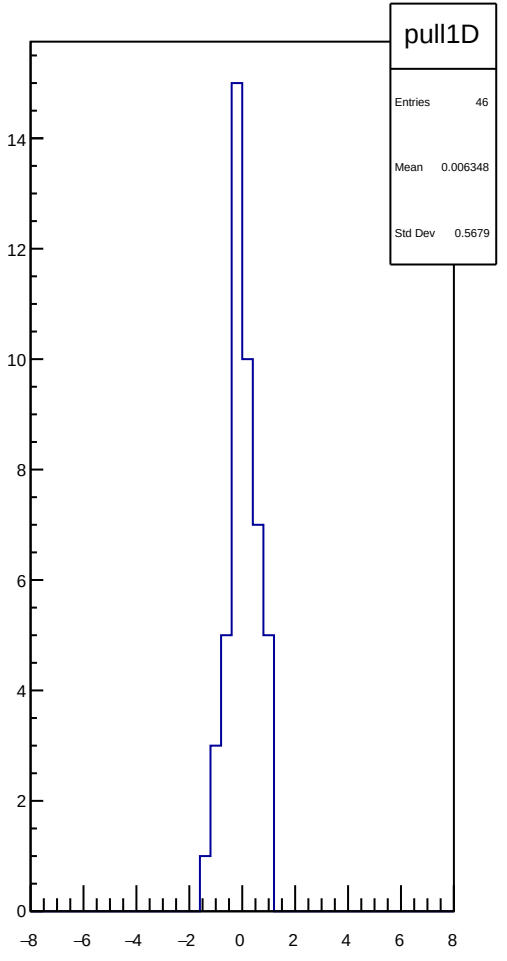

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.006 / 45
p0 91.87 ± 6.753
pull
Entries 46
Mean −2.865
Std Dev 26.96

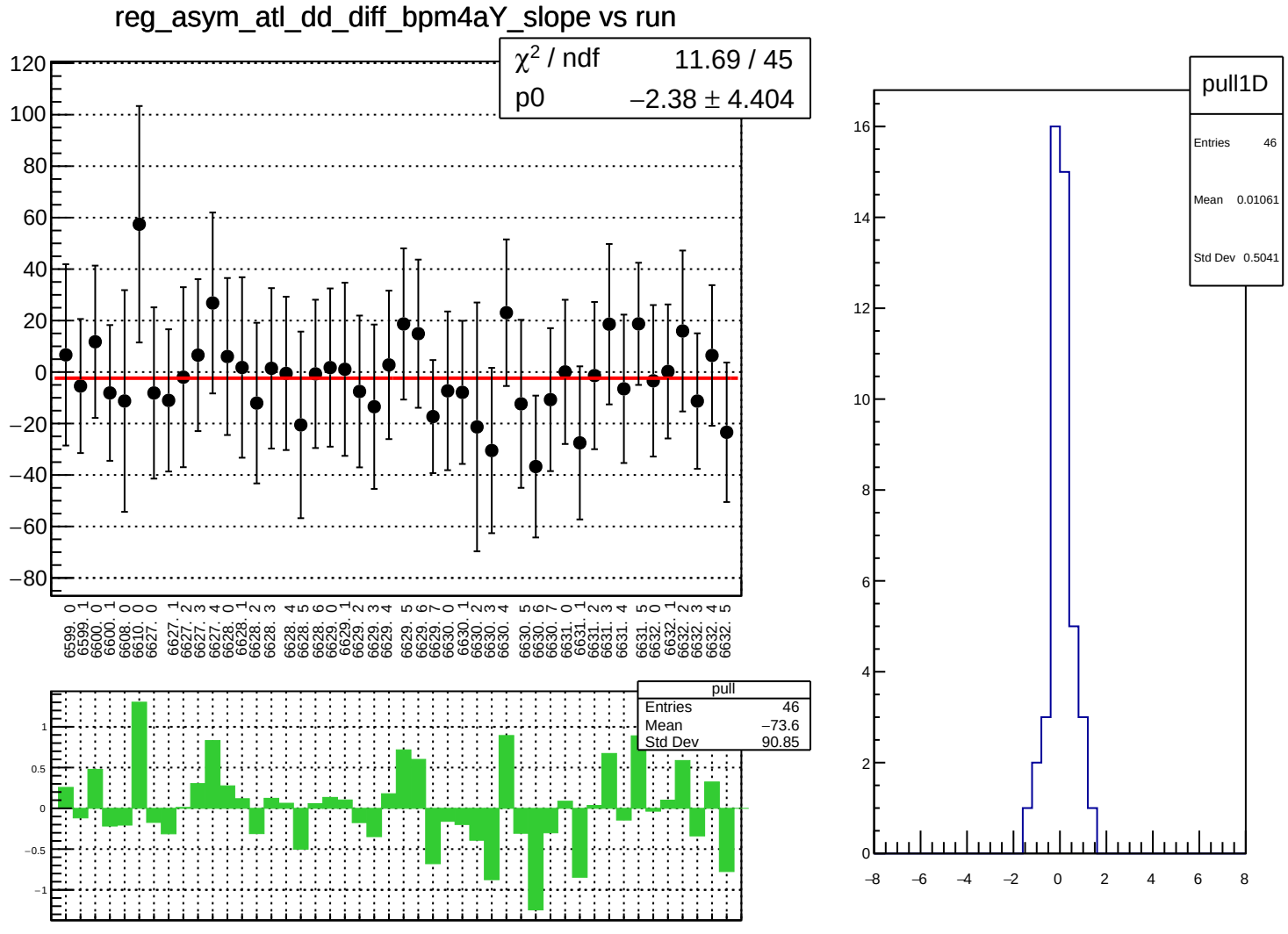

pull1D
Entries 46
Mean 0.006149
Std Dev 0.3902

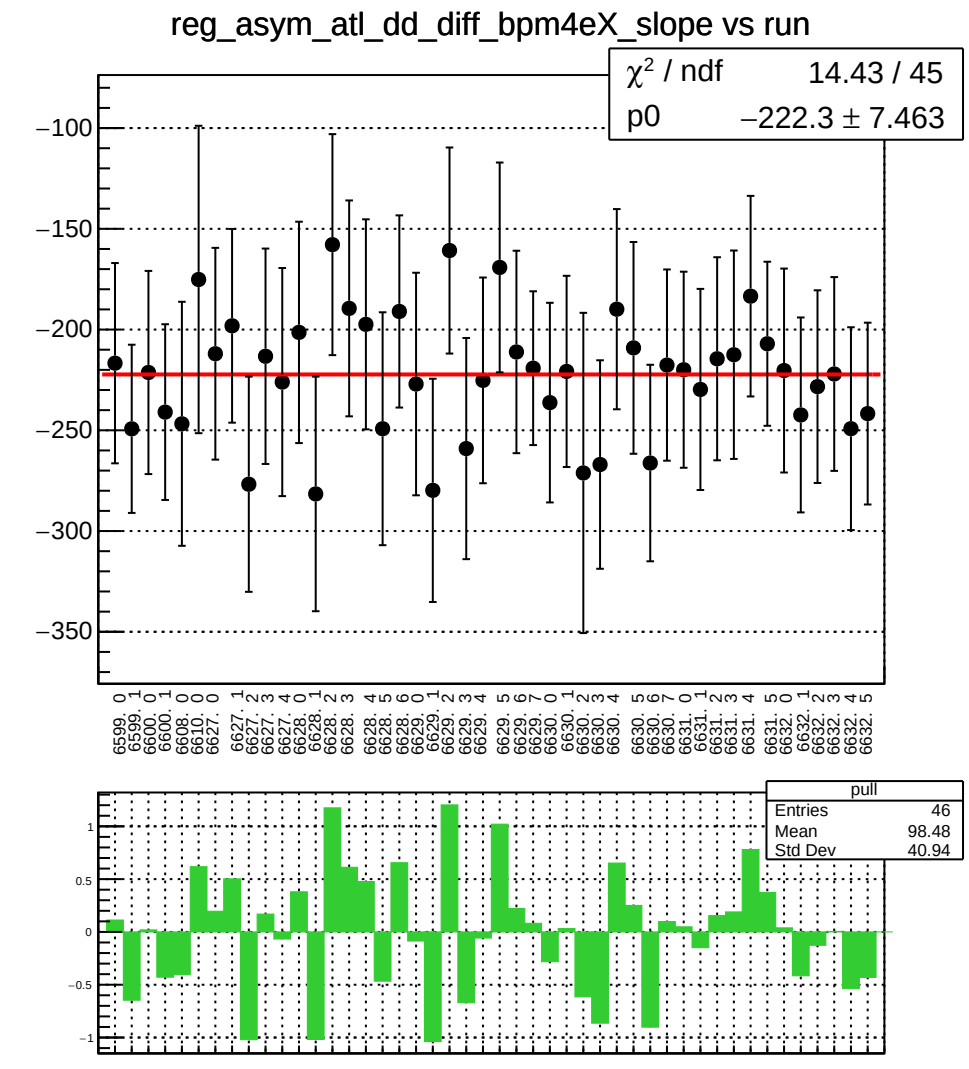

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 381.3 / 45
p0 −206.6 ± 0.3796
pull
Entries 46
Mean 171.6
Std Dev 153.3

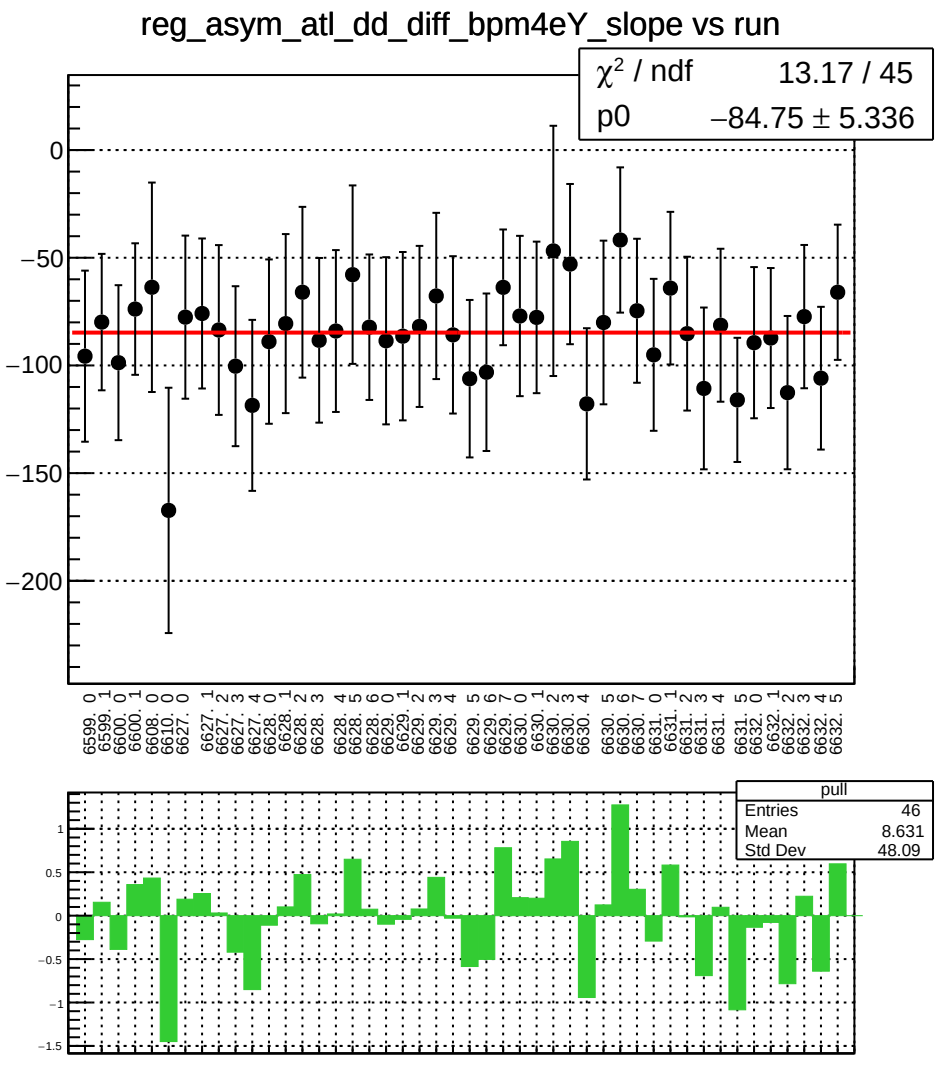

pull1D
Entries 46
Mean −0.3377
Std Dev 2.573

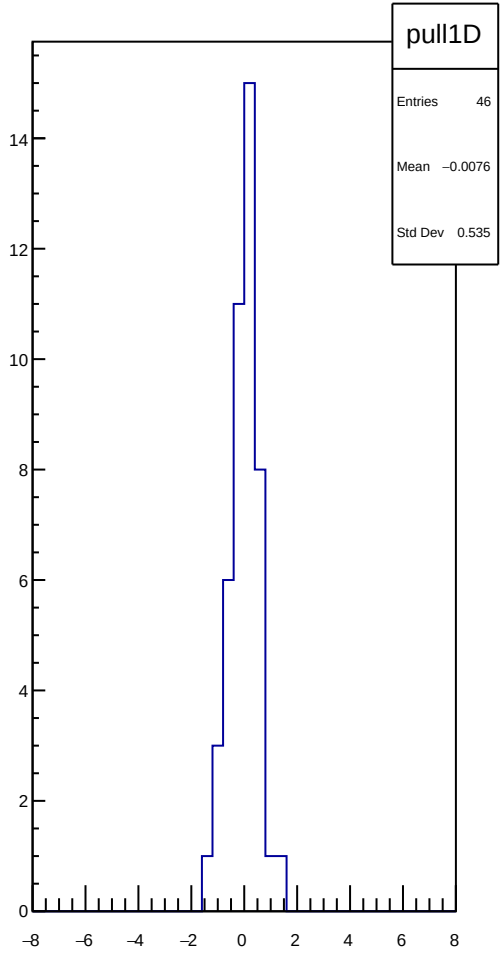

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 14.84 / 45
p0 254.1 ± 6.972
400
350
300
250
200
150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 109.3
Std Dev 75.65
1
0.5
0
−0.5
−1

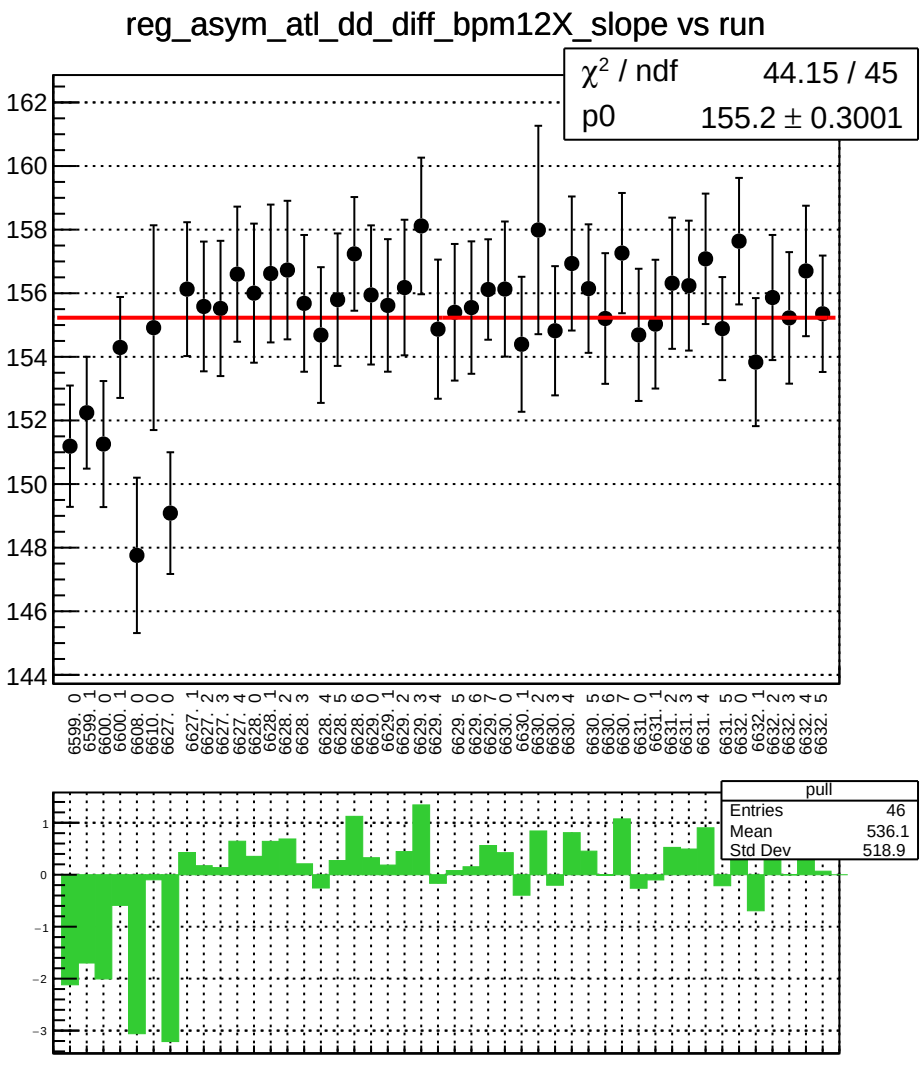

pull1D
Entries 46
Mean 0.006348
Std Dev 0.5679
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

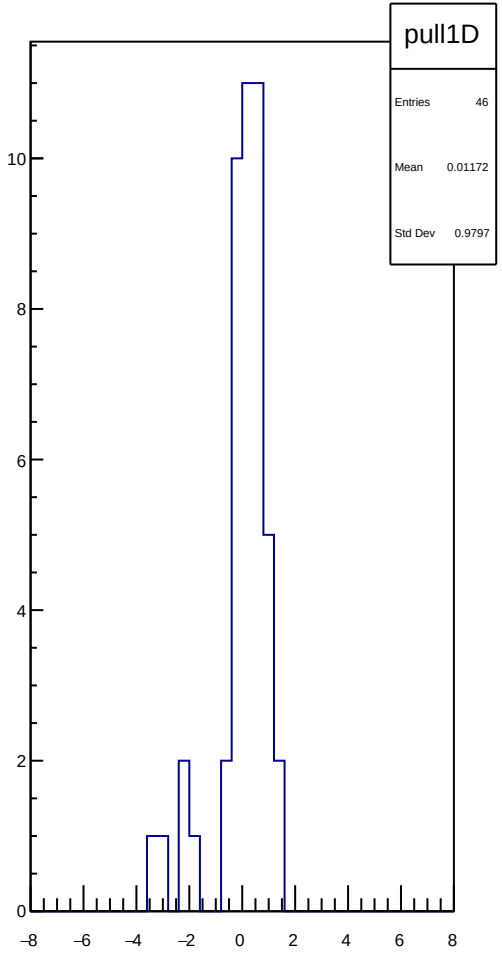

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.69 / 45
p0 −2.38 ± 4.404
pull
Entries 46
Mean −73.6
Std Dev 90.85
pull1D
Entries 46
Mean 0.01061
Std Dev 0.5041

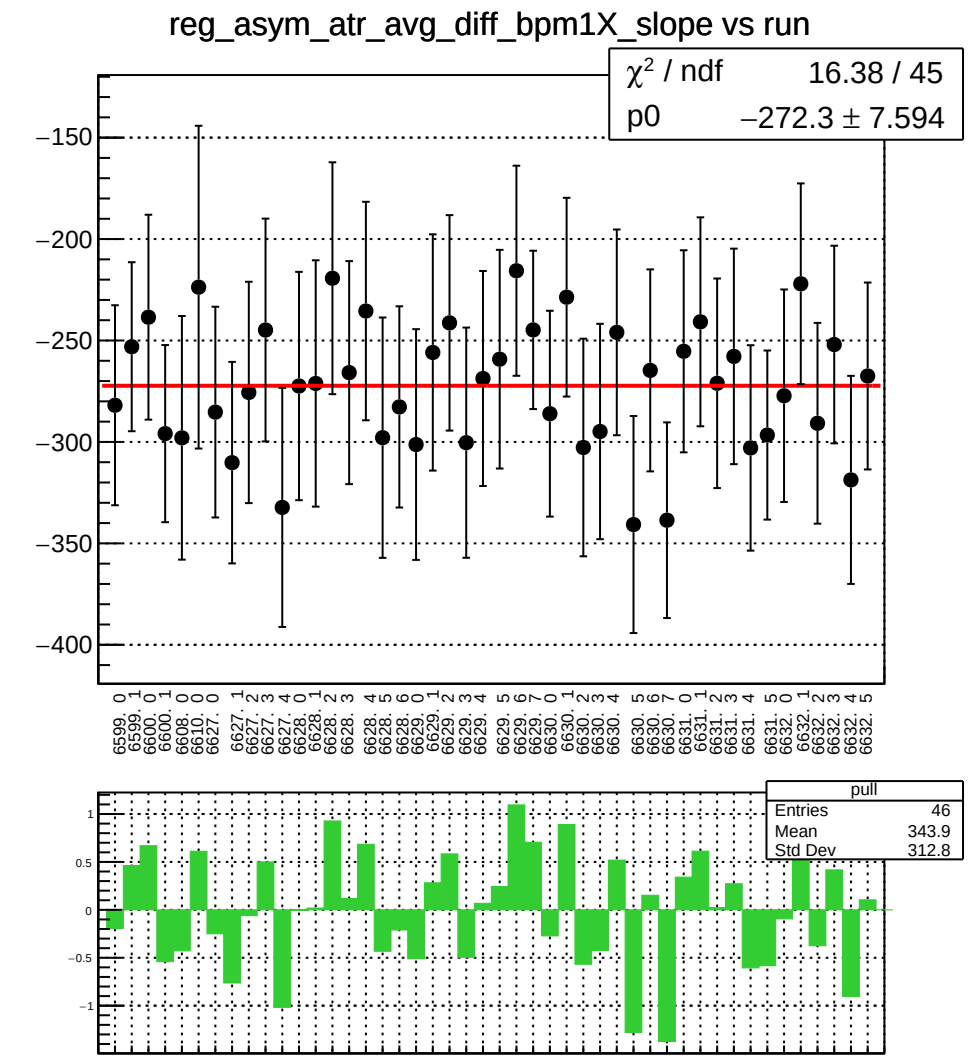

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.43 / 45
p0 −222.3 ± 7.463
−100
−150
−200
−250
−300
−350
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 98.48
Std Dev 40.94
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.003423
Std Dev 0.56
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

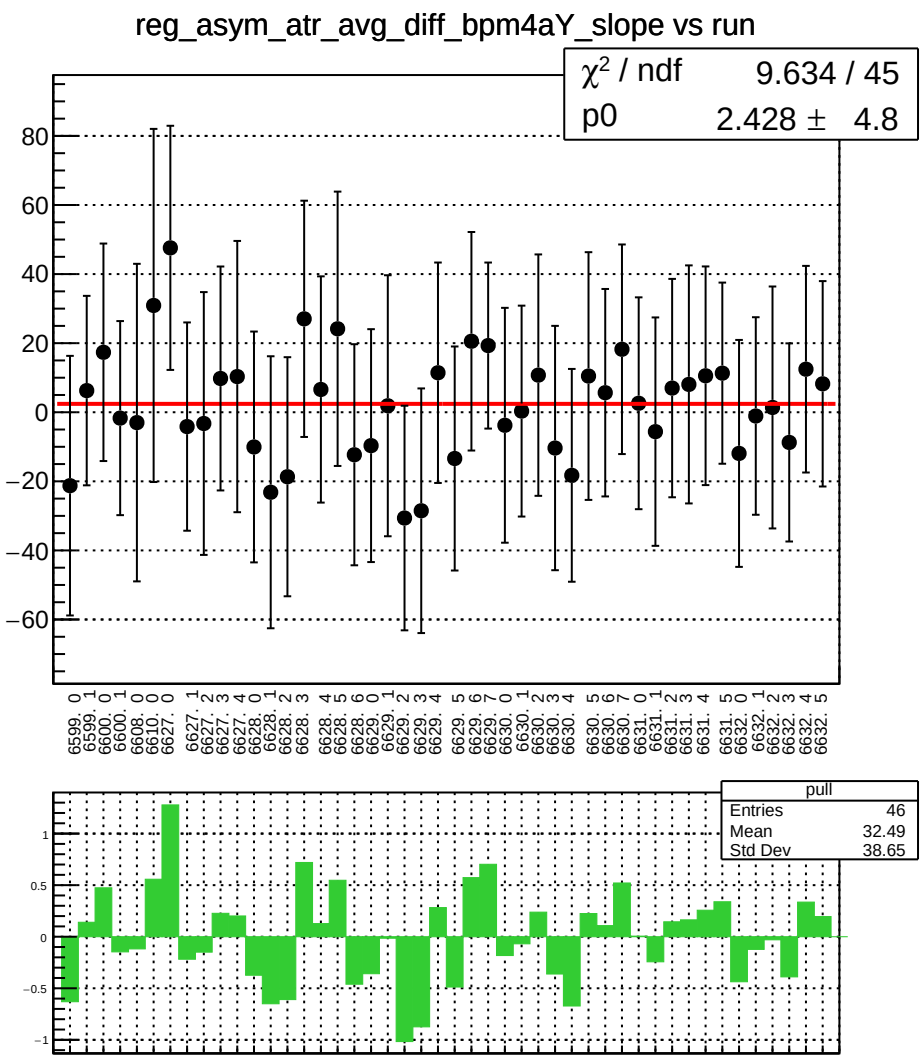

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.17 / 45
p0 −84.75 ± 5.336
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 8.631
Std Dev 48.09
1
0.5
0
−0.5
−1
−1.5

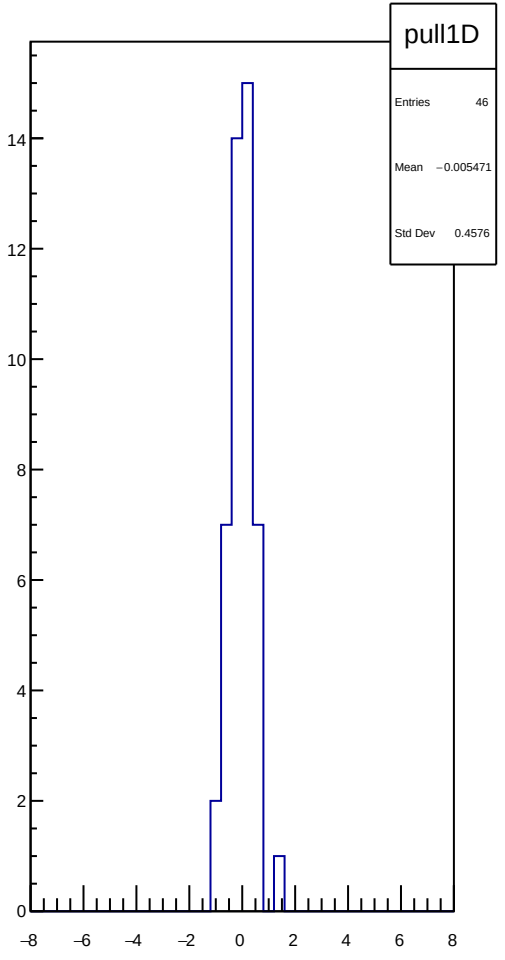

pull1D
Entries 46
Mean −0.0076
Std Dev 0.535
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

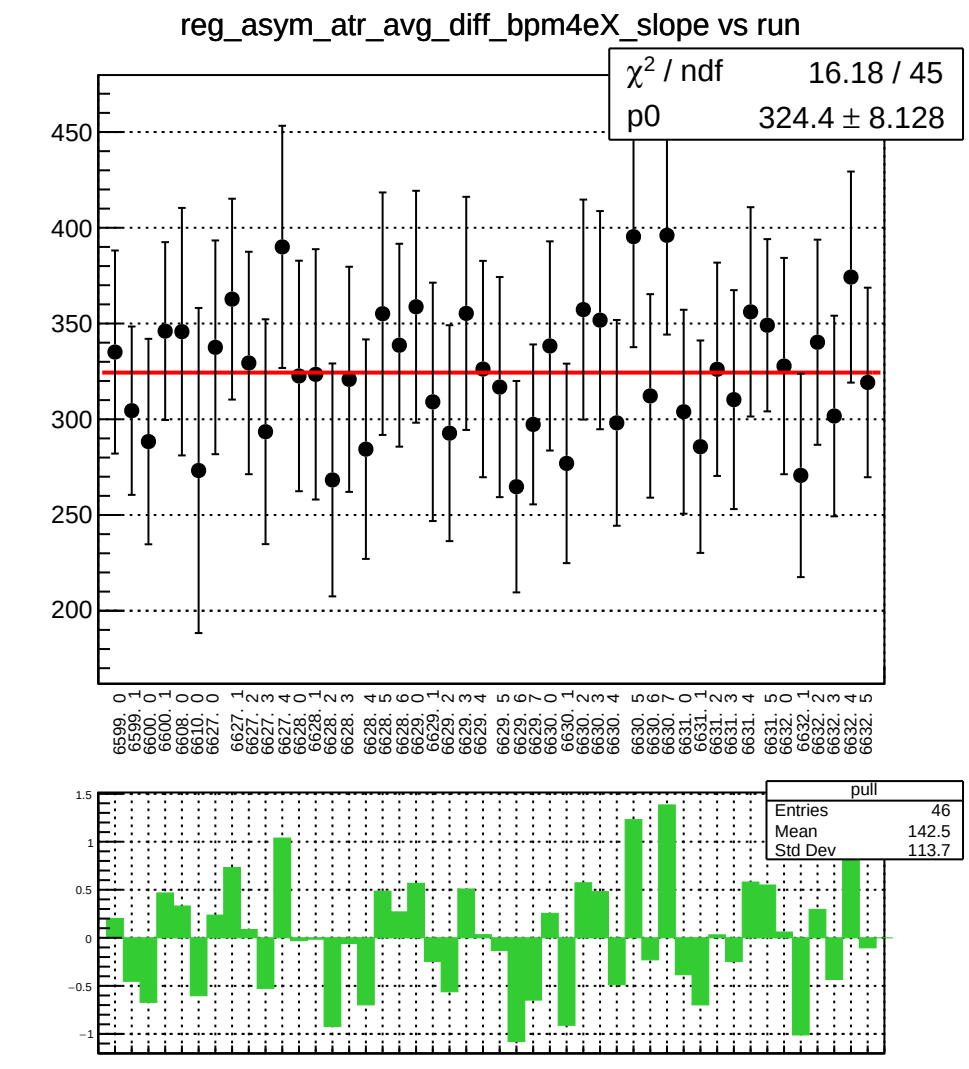

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 44.15 / 45
p0 155.2 ± 0.3001
pull
Entries 46
Mean 536.1
Std Dev 518.9

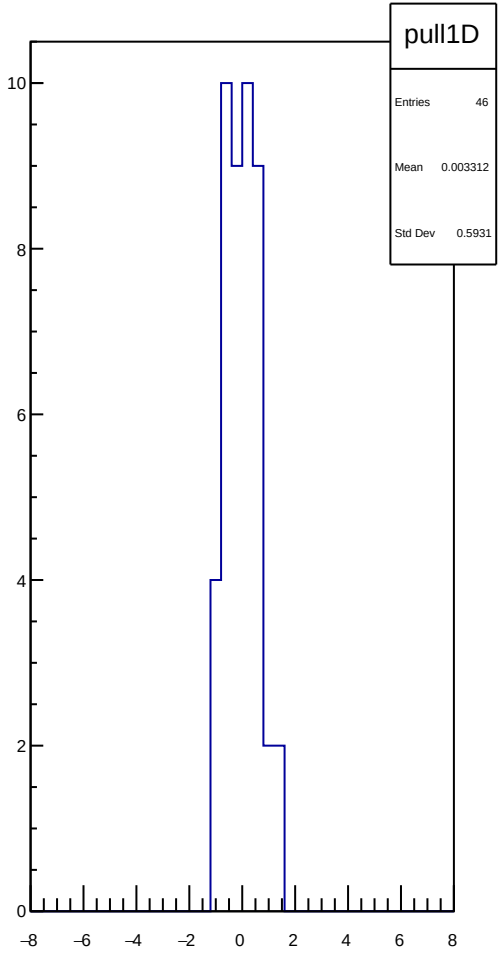

pull1D
Entries 46
Mean 0.01172
Std Dev 0.9797

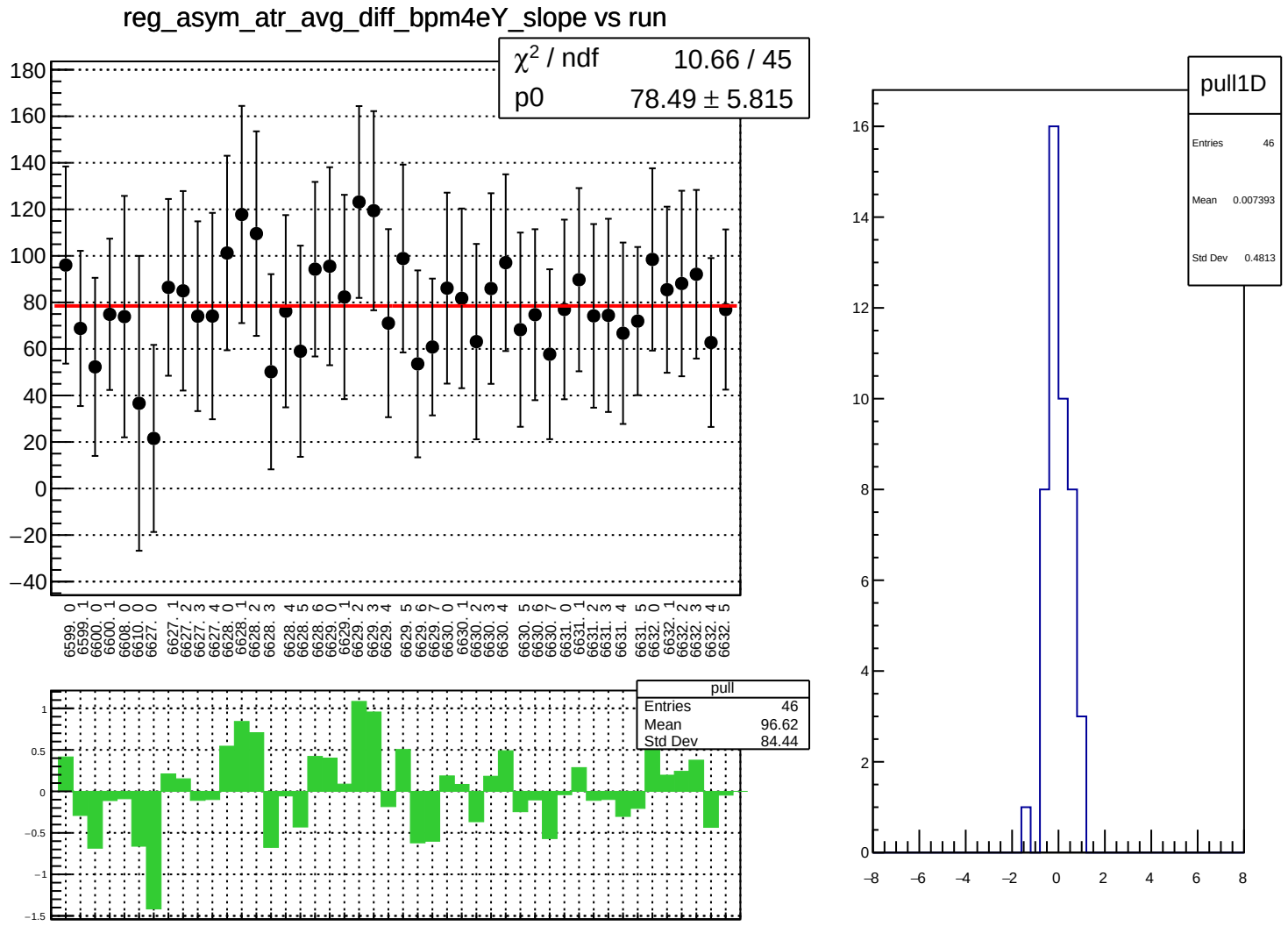

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 16.38 / 45
p0 −272.3 ± 7.594
−150
−200
−250
−300
−350
−400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 343.9
Std Dev 312.8
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.001382
Std Dev 0.5968
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

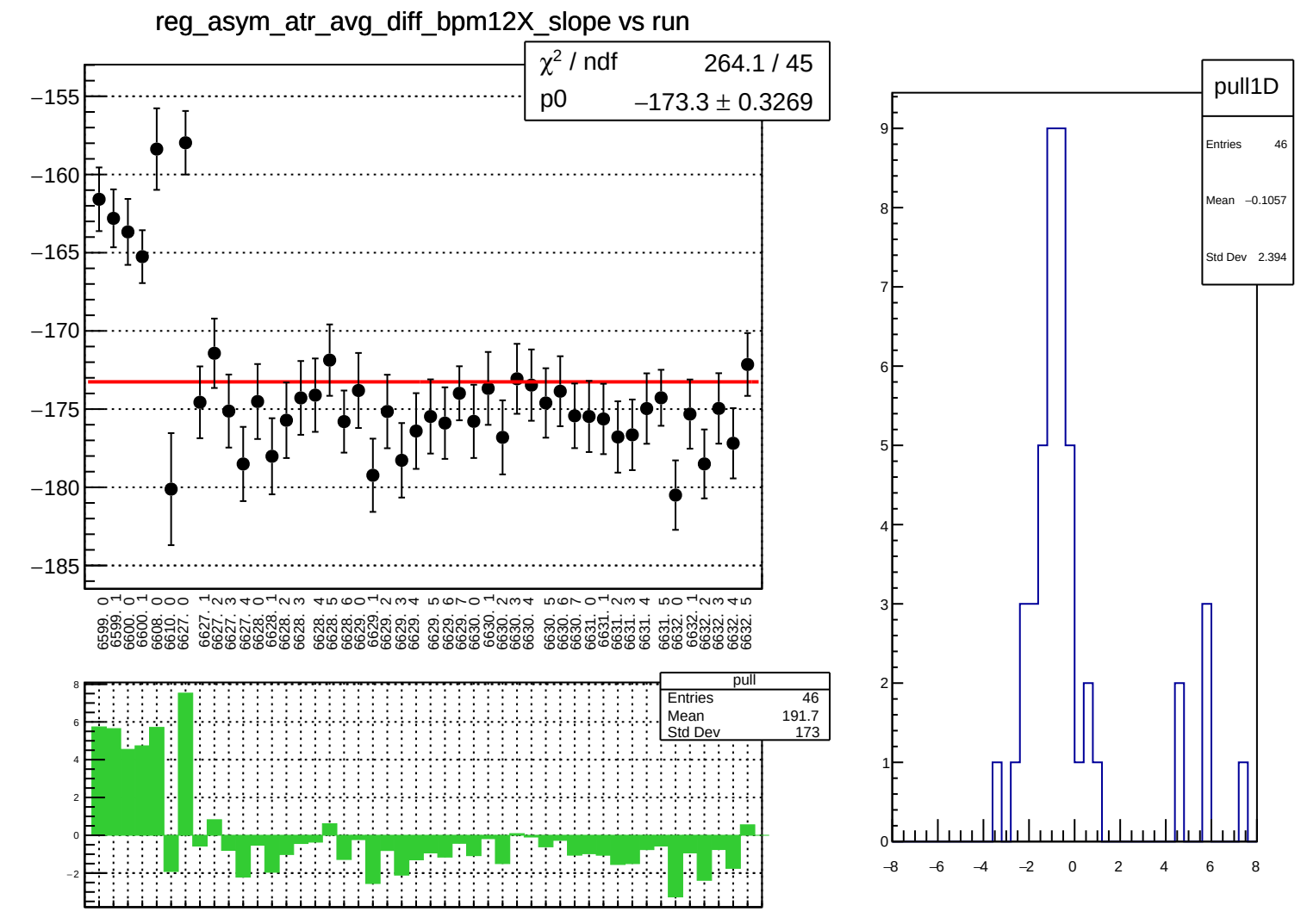

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.634 / 45
p0 2.428 ± 4.8
pull
Entries 46
Mean 32.49
Std Dev 38.65

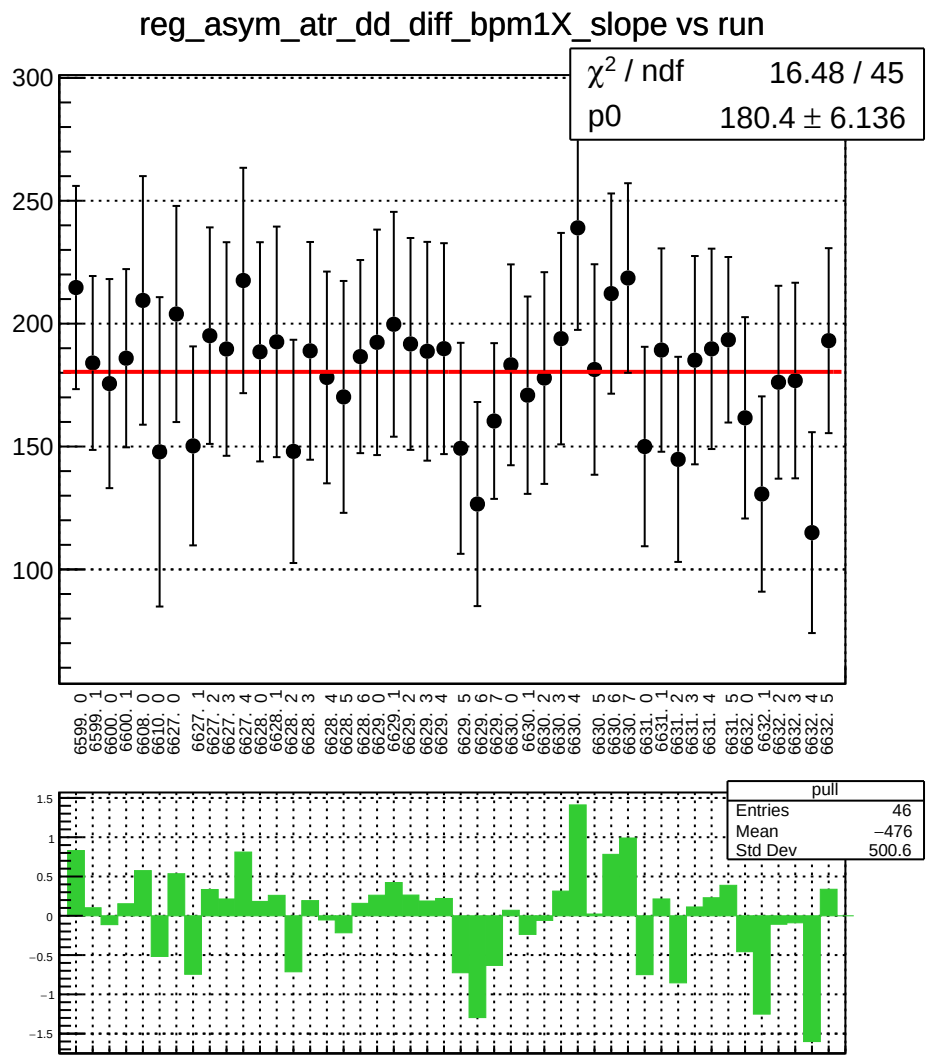

pull1D
Entries 46
Mean −0.005471
Std Dev 0.4576

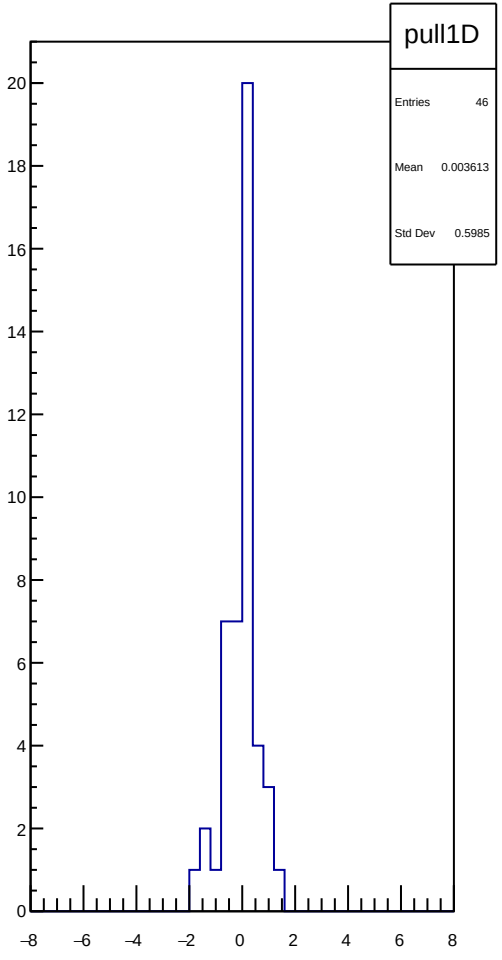

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 16.18 / 45
p0 324.4 ± 8.128
450
400
350
300
250
200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 142.5
Std Dev 113.7
1.5
1
0.5
0
−0.5
−1

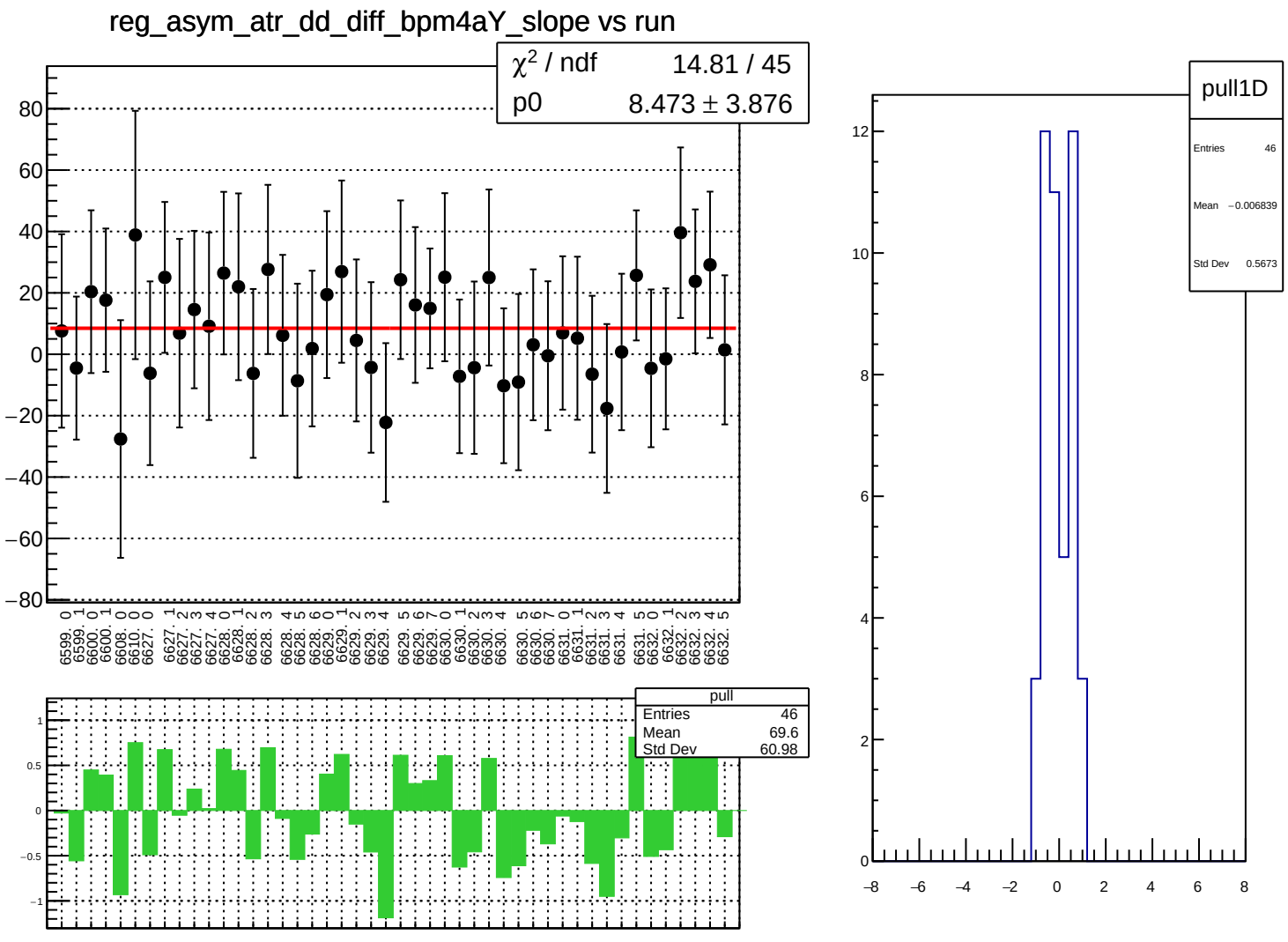

pull1D
Entries 46
Mean 0.003312
Std Dev 0.5931
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

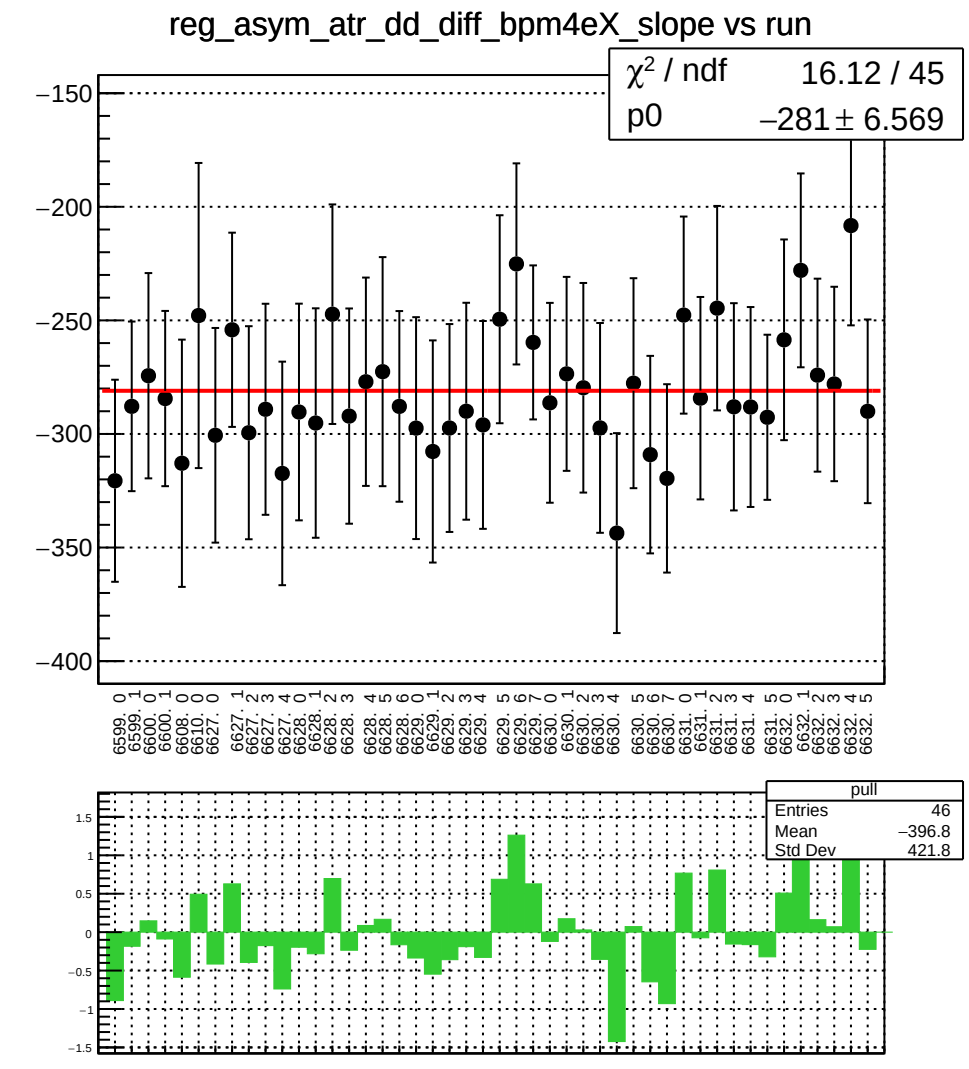

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.66 / 45
p0 78.49 ± 5.815
pull
Entries 46
Mean 96.62
Std Dev 84.44
pull1D
Entries 46
Mean 0.007393
Std Dev 0.4813

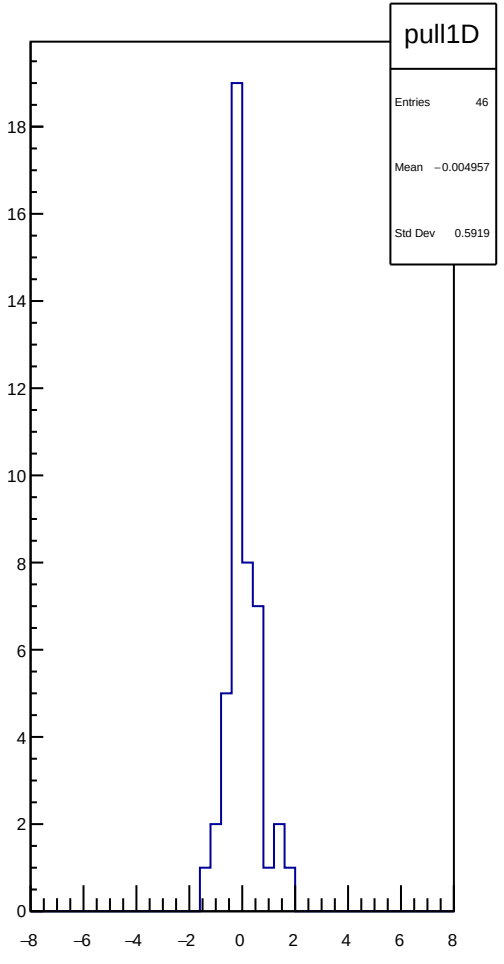

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 264.1 / 45
p0 −173.3 ± 0.3269
−155
−160
−165
−170
−175
−180
−185
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 191.7
Std Dev 173
8
6
4
2
0
−2
pull1D
Entries 46
Mean −0.1057
Std Dev 2.394
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

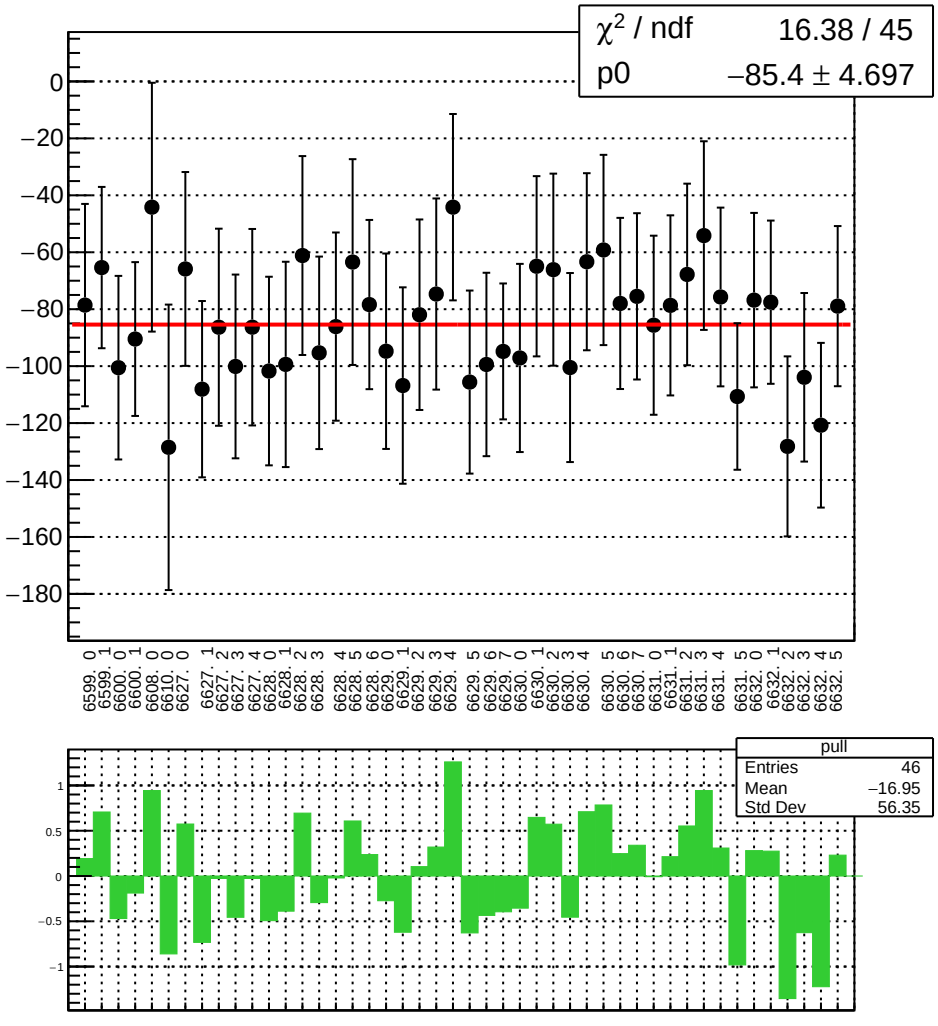

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 16.48 / 45
p0 180.4 ± 6.136
pull
Entries 46
Mean −476
Std Dev 500.6

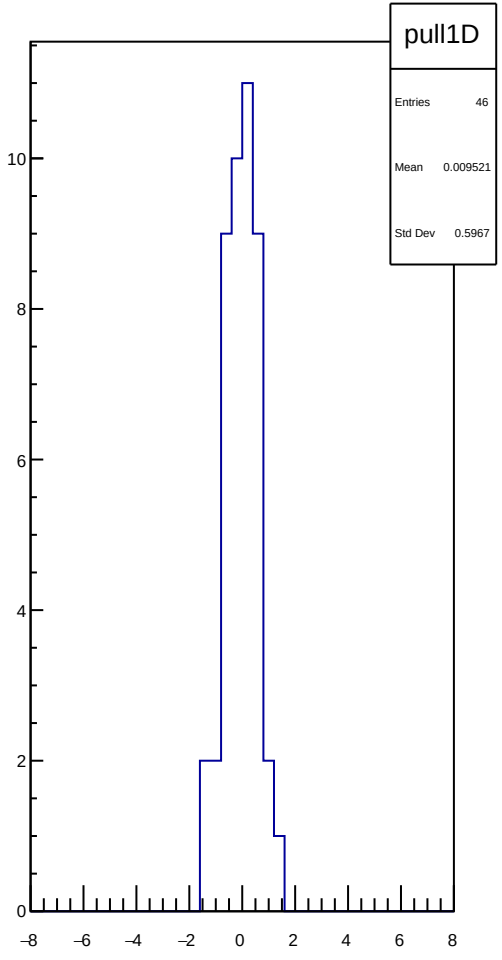

pull1D
Entries 46
Mean 0.003613
Std Dev 0.5985

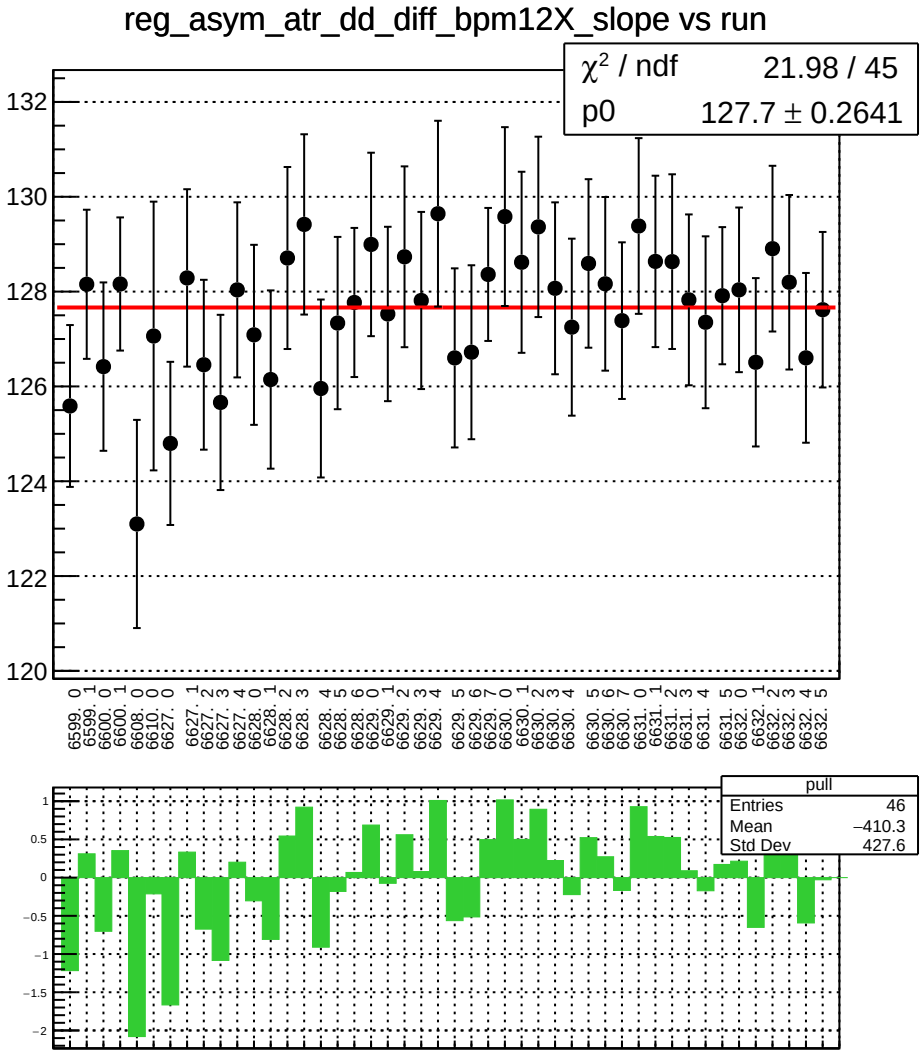

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.81 / 45
p0 8.473 ± 3.876
pull
Entries 46
Mean 69.6
Std Dev 60.98
pull1D
Entries 46
Mean −0.006839
Std Dev 0.5673

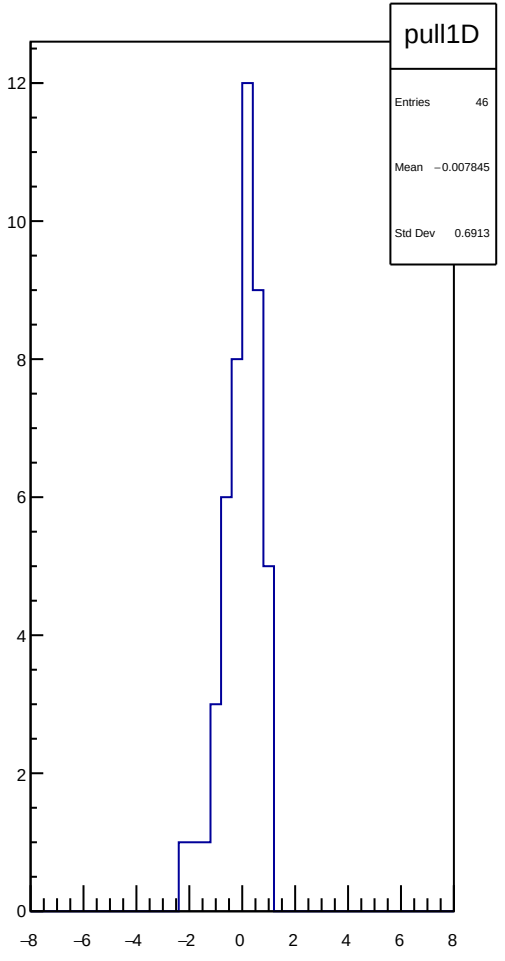

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.12 / 45
p0 −281 ± 6.569
pull
Entries 46
Mean −396.8
Std Dev 421.8

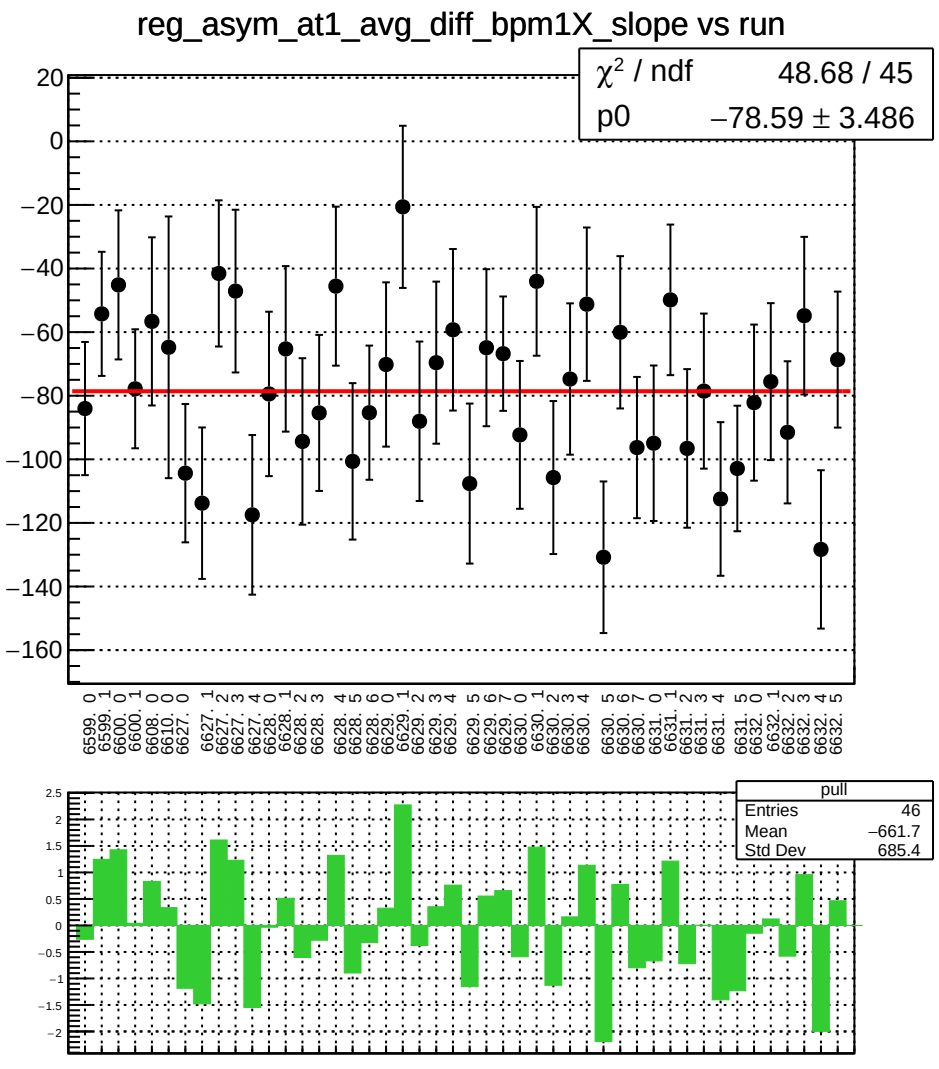

pull1D
Entries 46
Mean −0.004957
Std Dev 0.5919

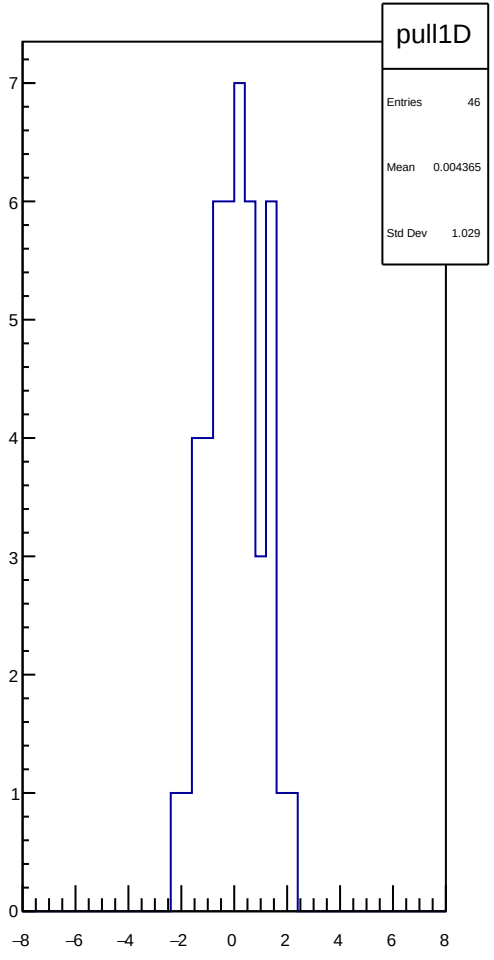

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.38 / 45
p0 −85.4 ± 4.697
pull
Entries 46
Mean −16.95
Std Dev 56.35

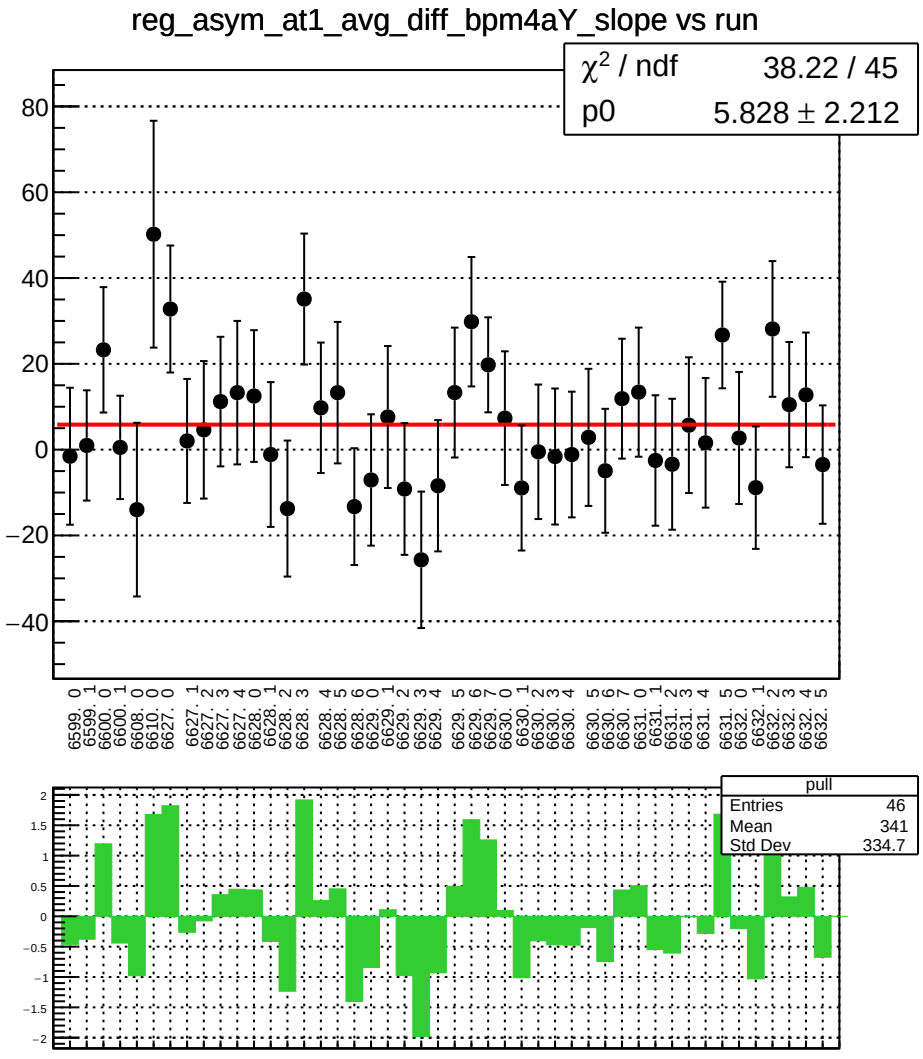

pull1D
Entries 46
Mean 0.009521
Std Dev 0.5967

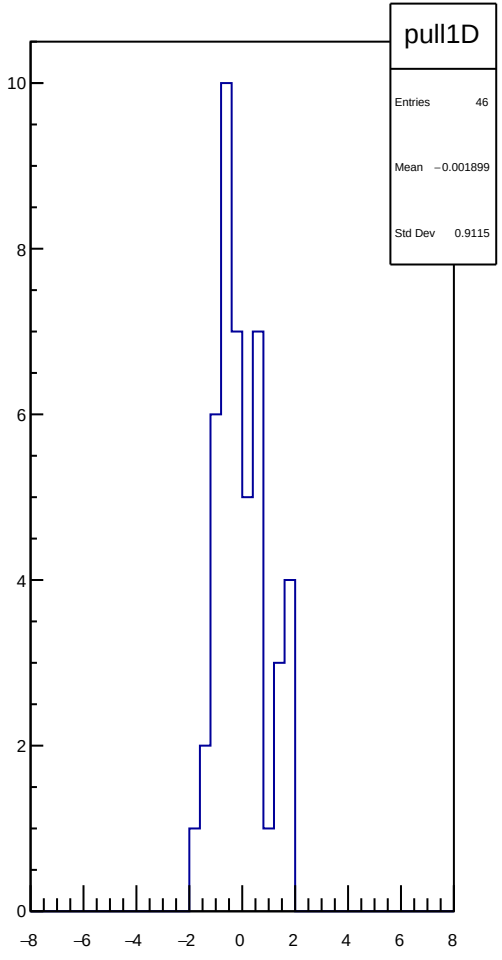

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 21.98 / 45
p0 127.7 ± 0.2641
pull
Entries 46
Mean −410.3
Std Dev 427.6

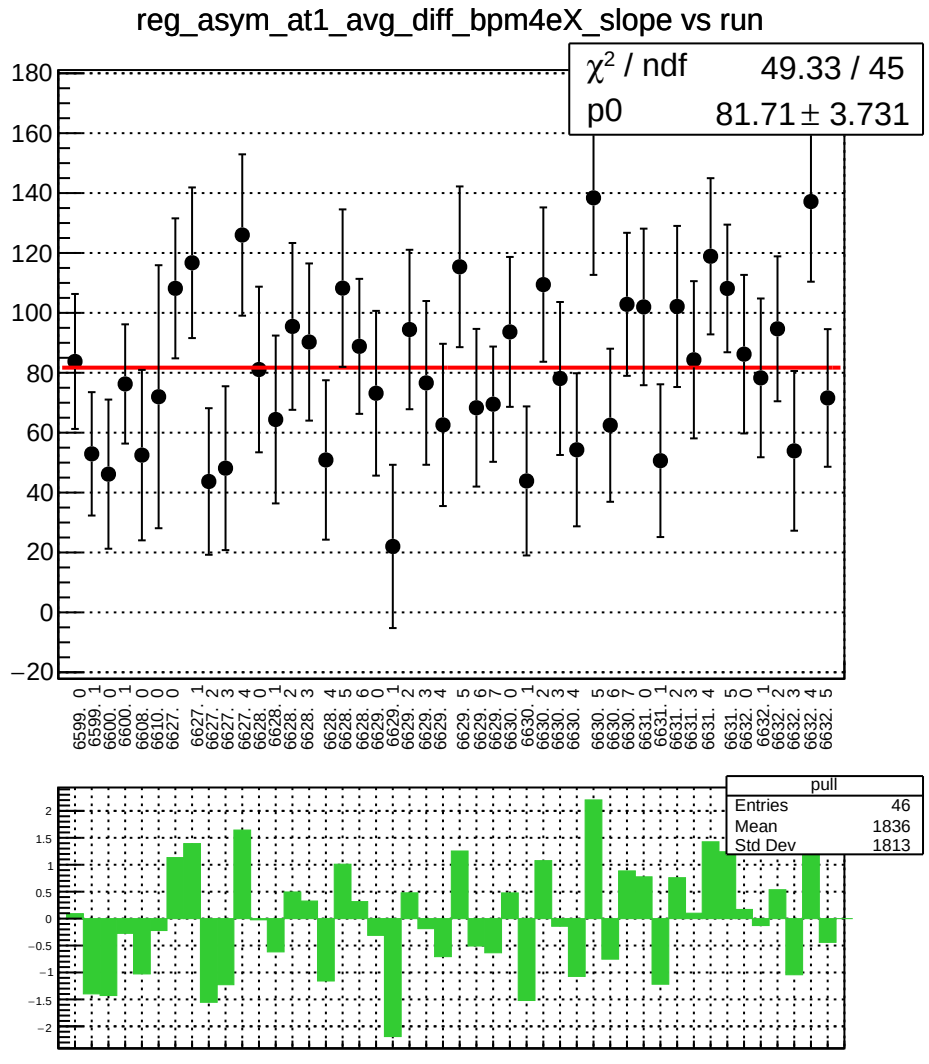

pull1D
Entries 46
Mean −0.007845
Std Dev 0.6913

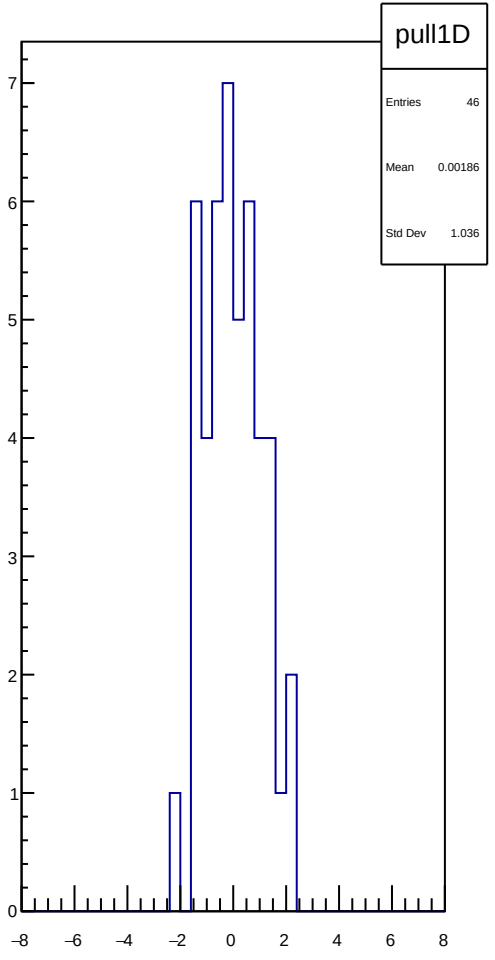

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 48.68 / 45
p0 −78.59 ± 3.486
pull
Entries 46
Mean −661.7
Std Dev 685.4

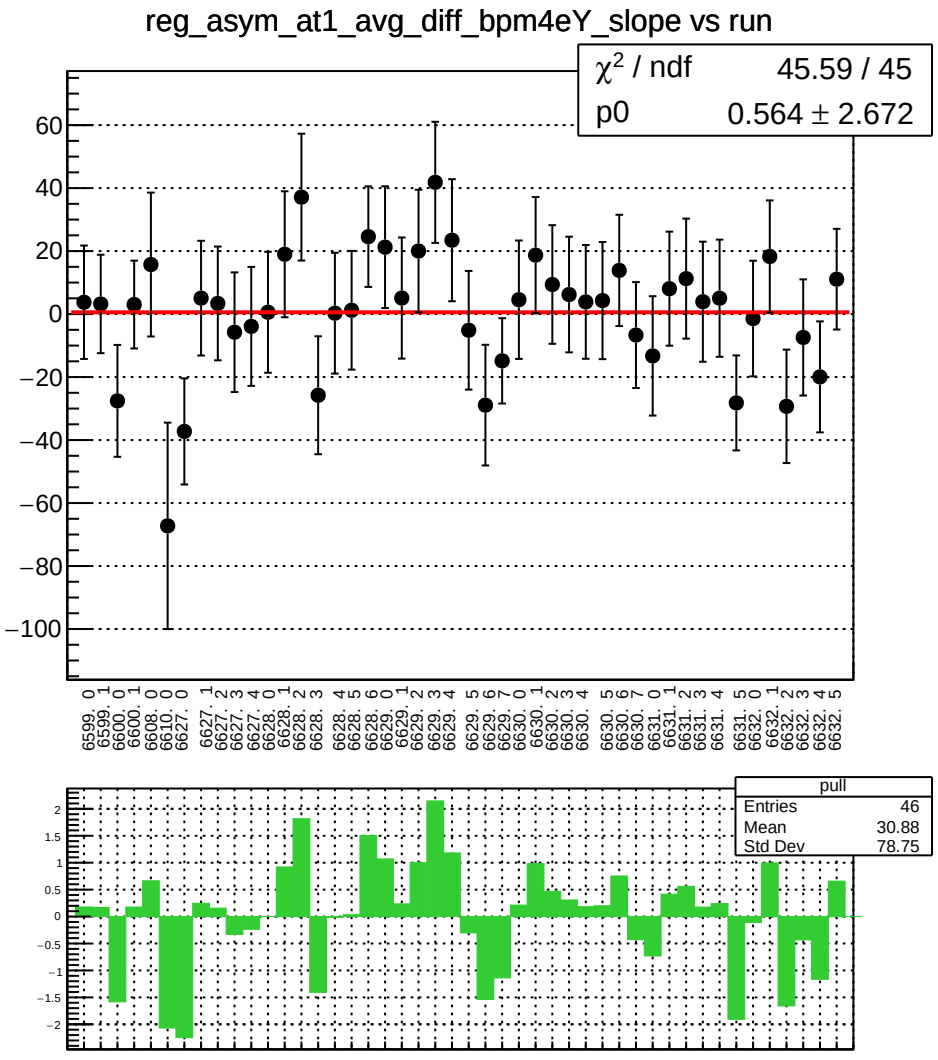

pull1D
Entries 46
Mean 0.004365
Std Dev 1.029

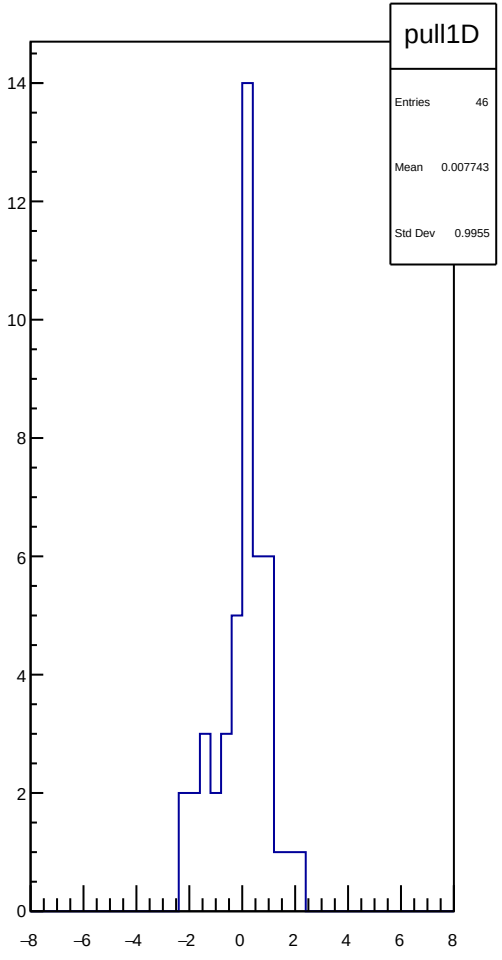

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.22 / 45
p0 5.828 ± 2.212
pull
Entries 46
Mean 341
Std Dev 334.7

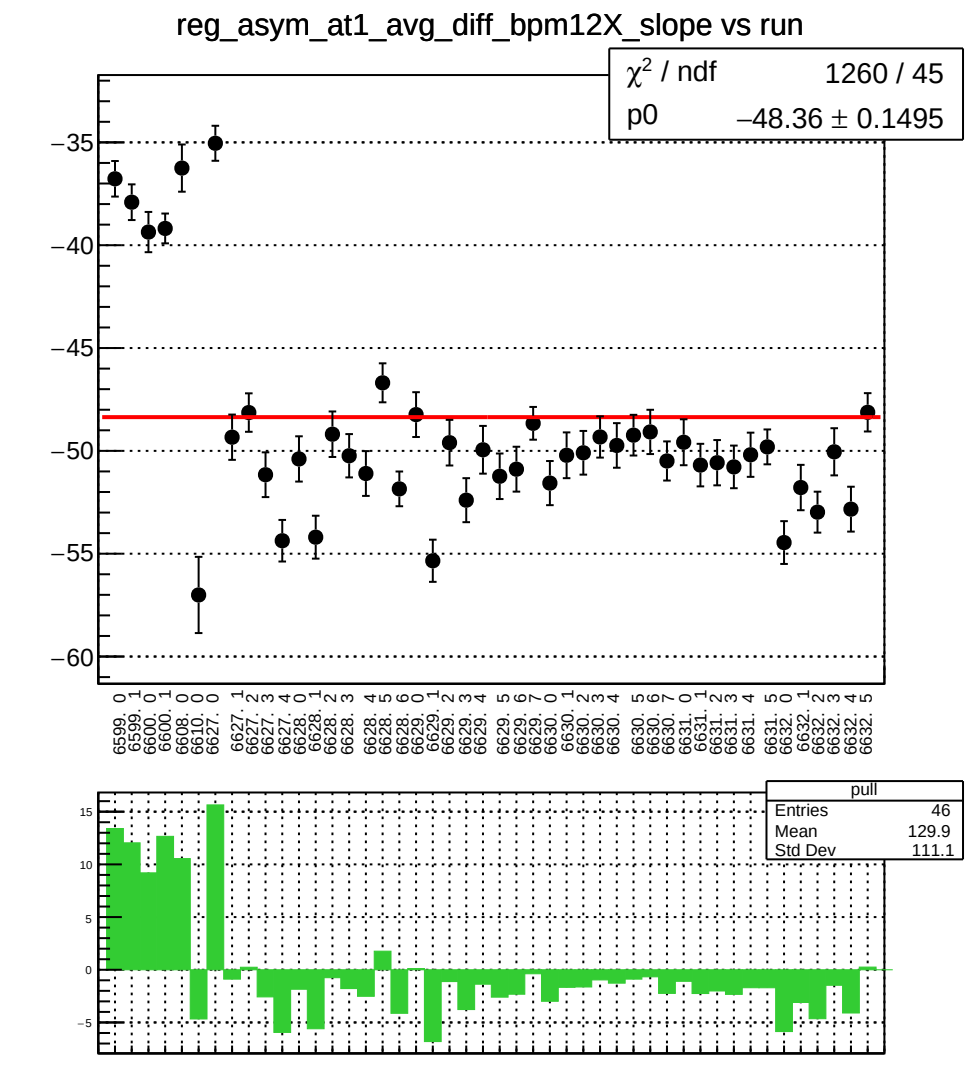

pull1D
Entries 46
Mean −0.001899
Std Dev 0.9115

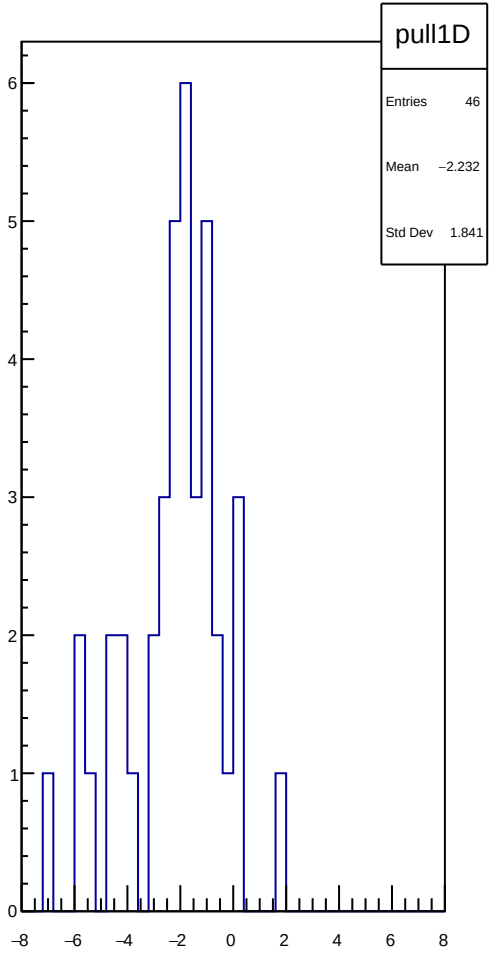

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.33 / 45
p0 81.71 ± 3.731
pull
Entries 46
Mean 1836
Std Dev 1813

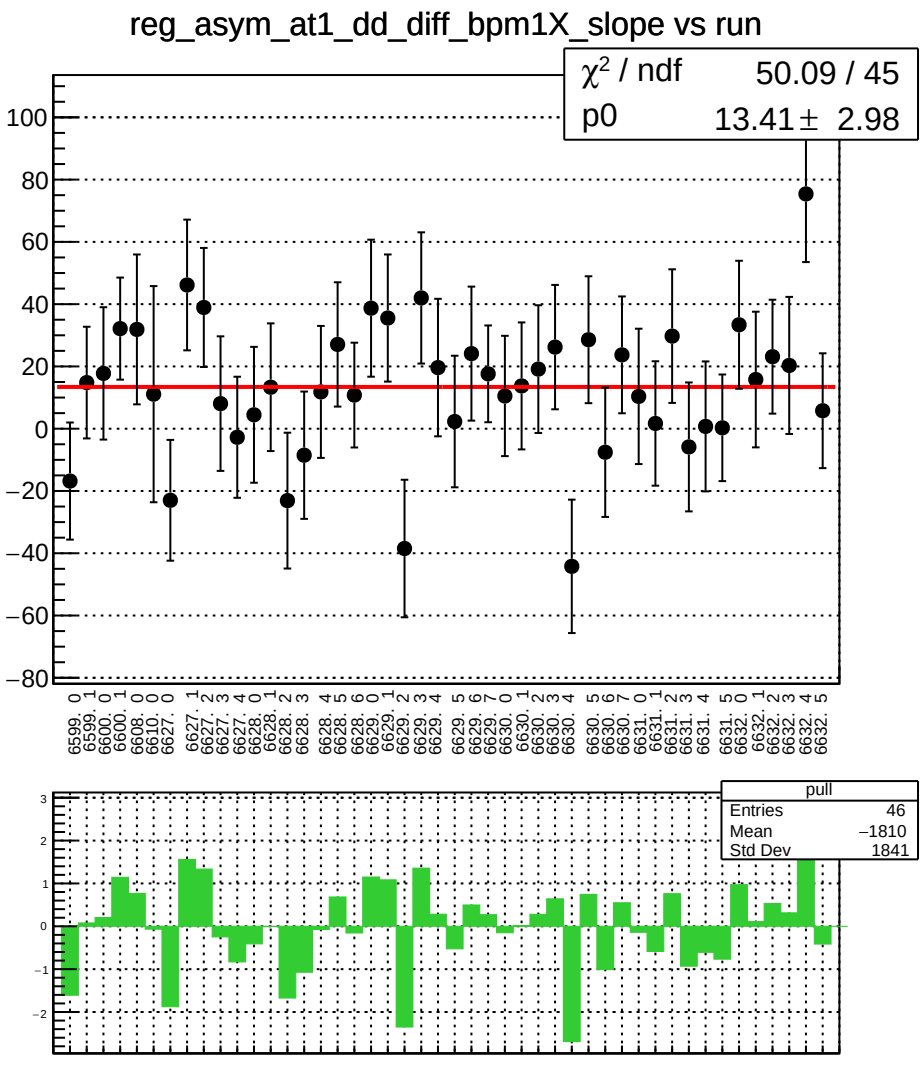

pull1D
Entries 46
Mean 0.00186
Std Dev 1.036

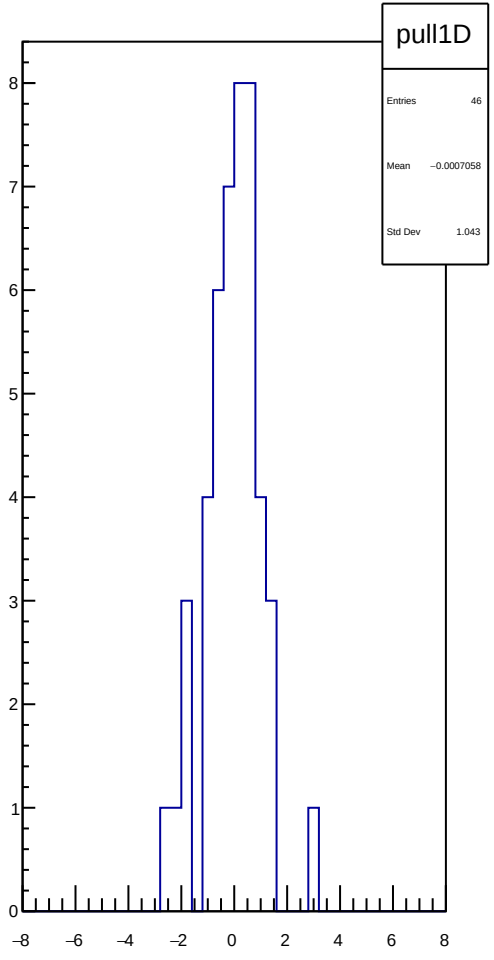

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.59 / 45
p0 0.564 ± 2.672
pull
Entries 46
Mean 30.88
Std Dev 78.75

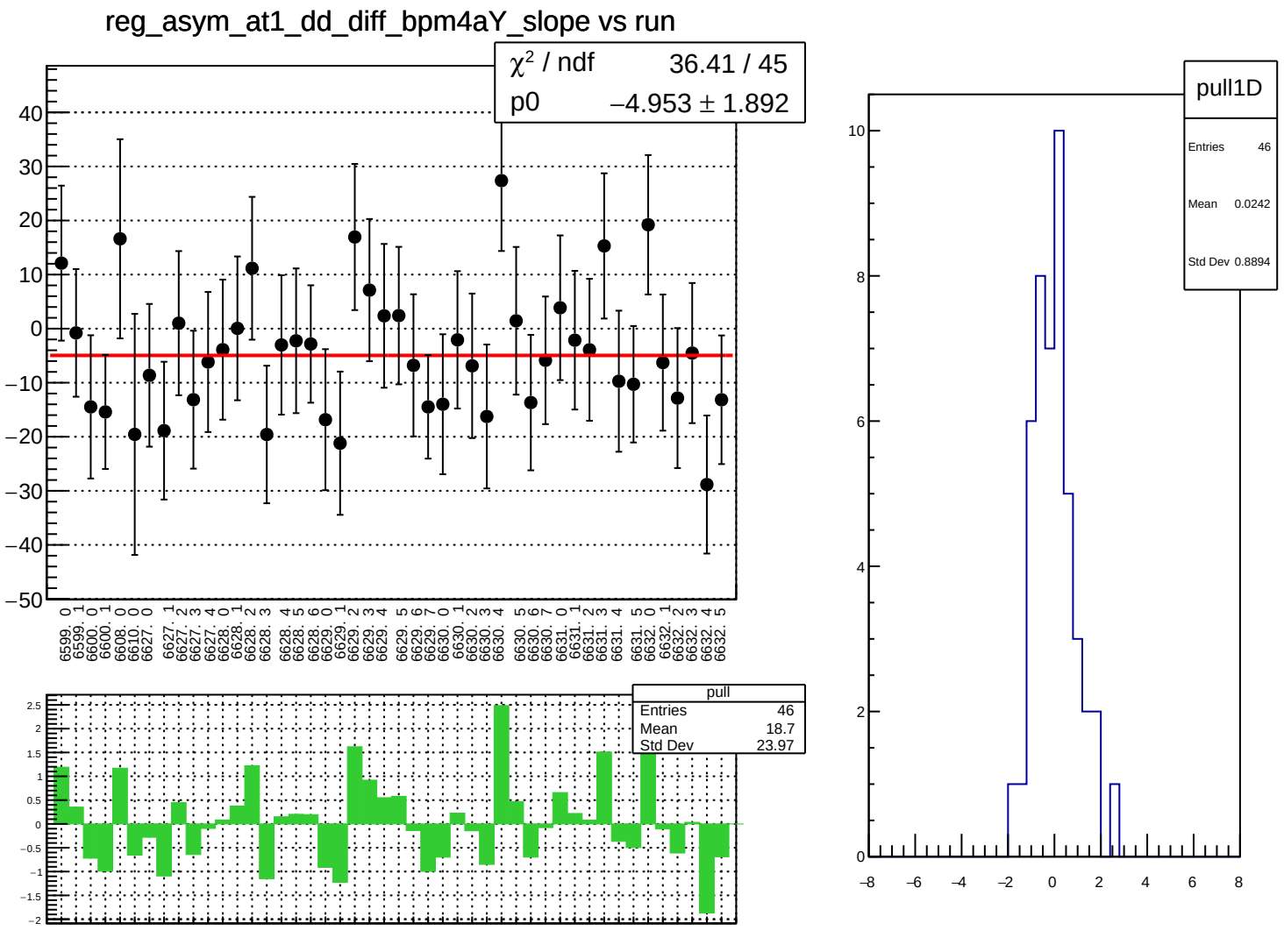

pull1D
Entries 46
Mean 0.007743
Std Dev 0.9955

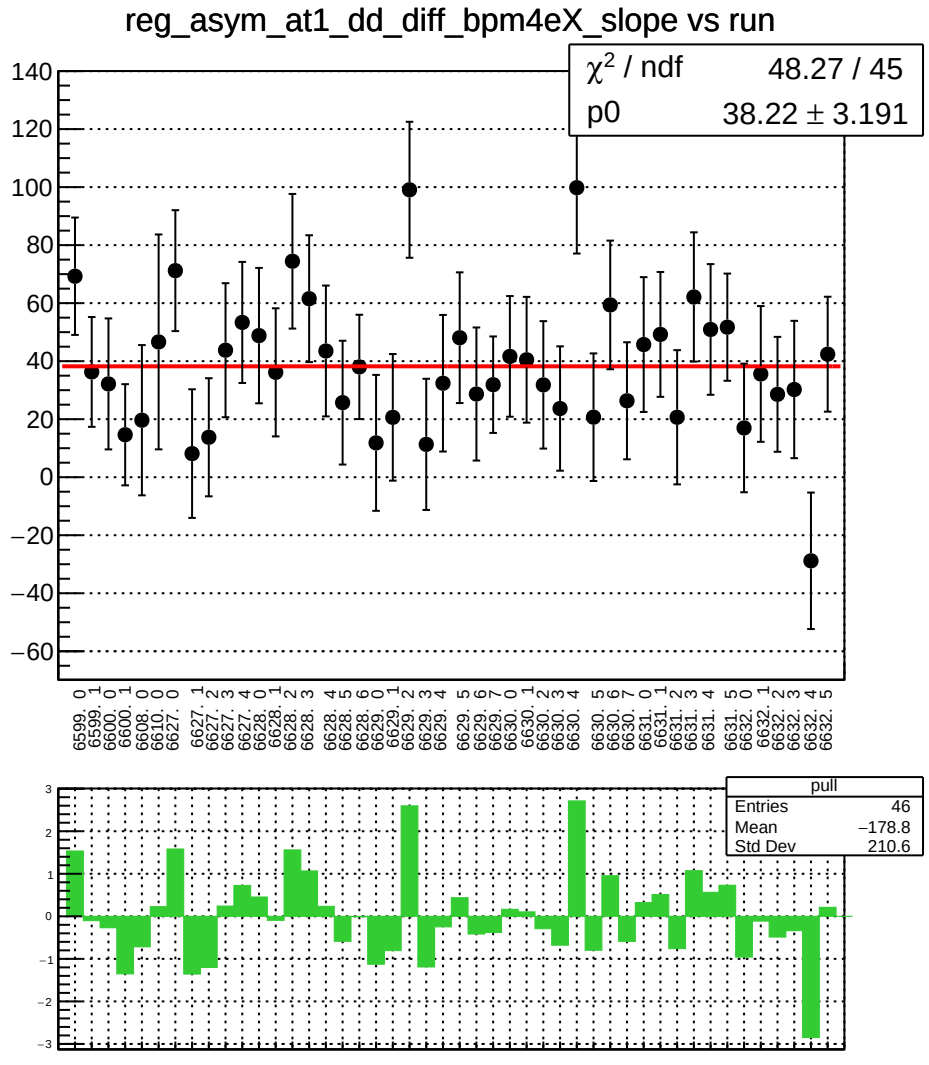

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 1260 / 45
p0 −48.36 ± 0.1495
−35
−40
−45
−50
−55
−60
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 129.9
Std Dev 111.1
15
10
5
0
−5

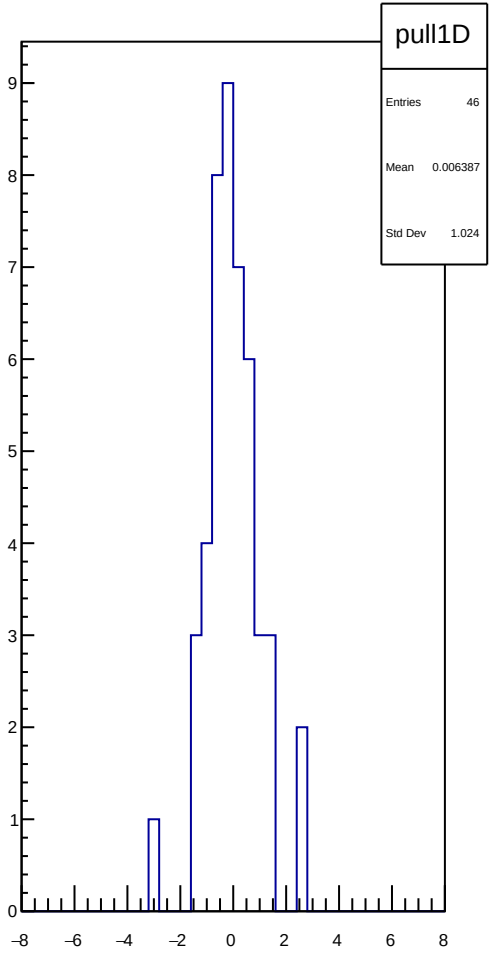

pull1D
Entries 46
Mean −2.232
Std Dev 1.841
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

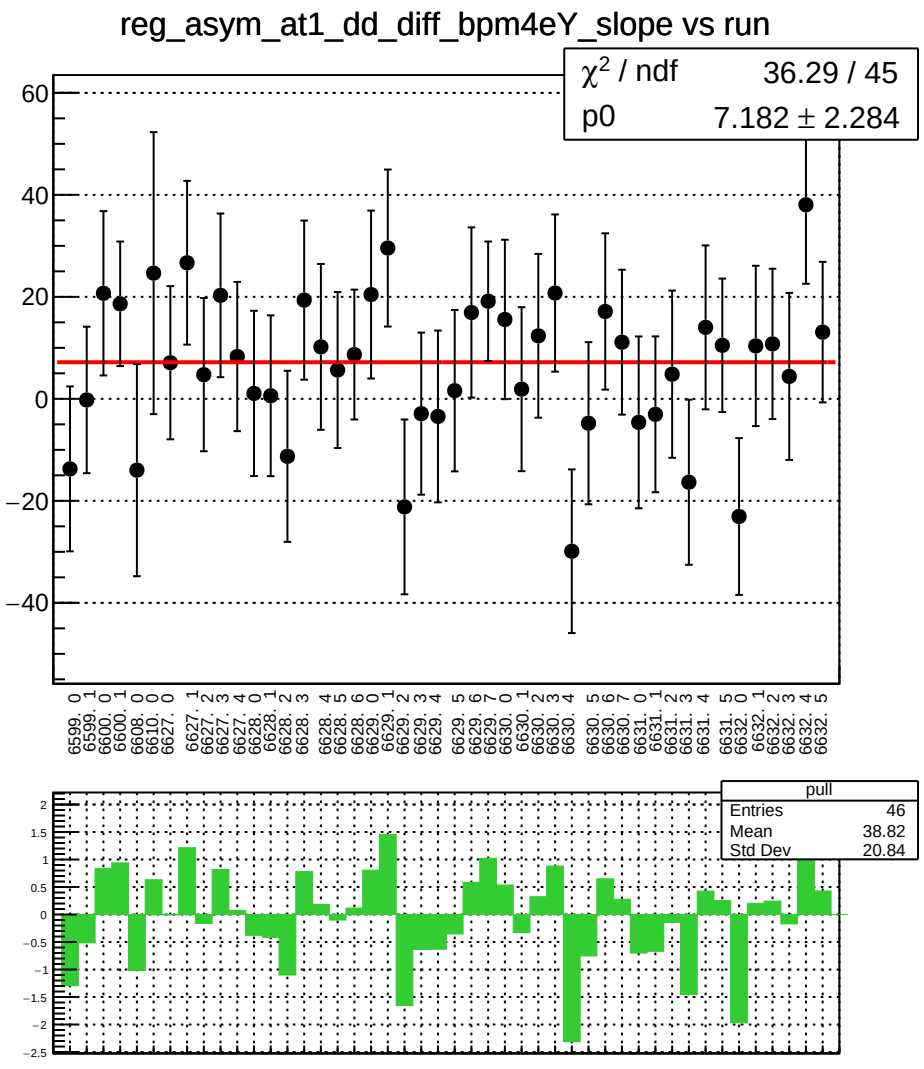

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 50.09 / 45
p0 13.41 ± 2.98
pull
Entries 46
Mean −1810
Std Dev 1841

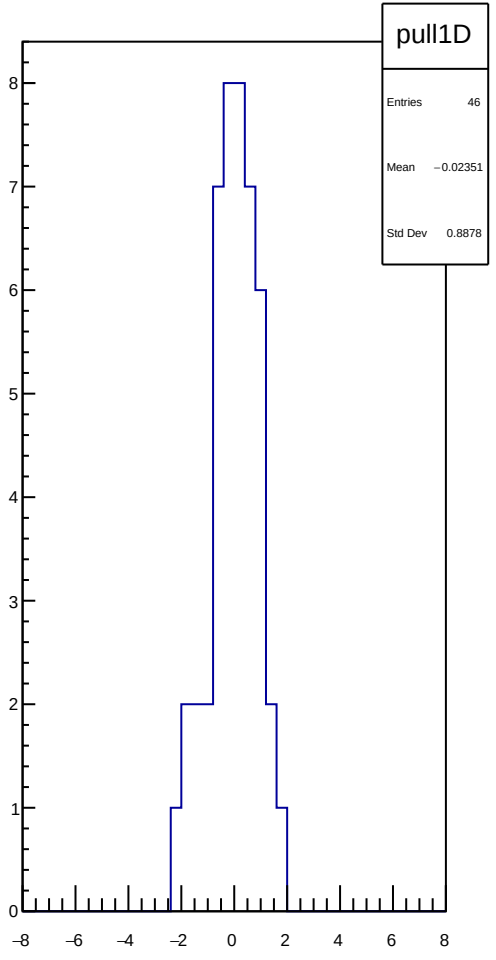

pull1D
Entries 46
Mean −0.0007058
Std Dev 1.043

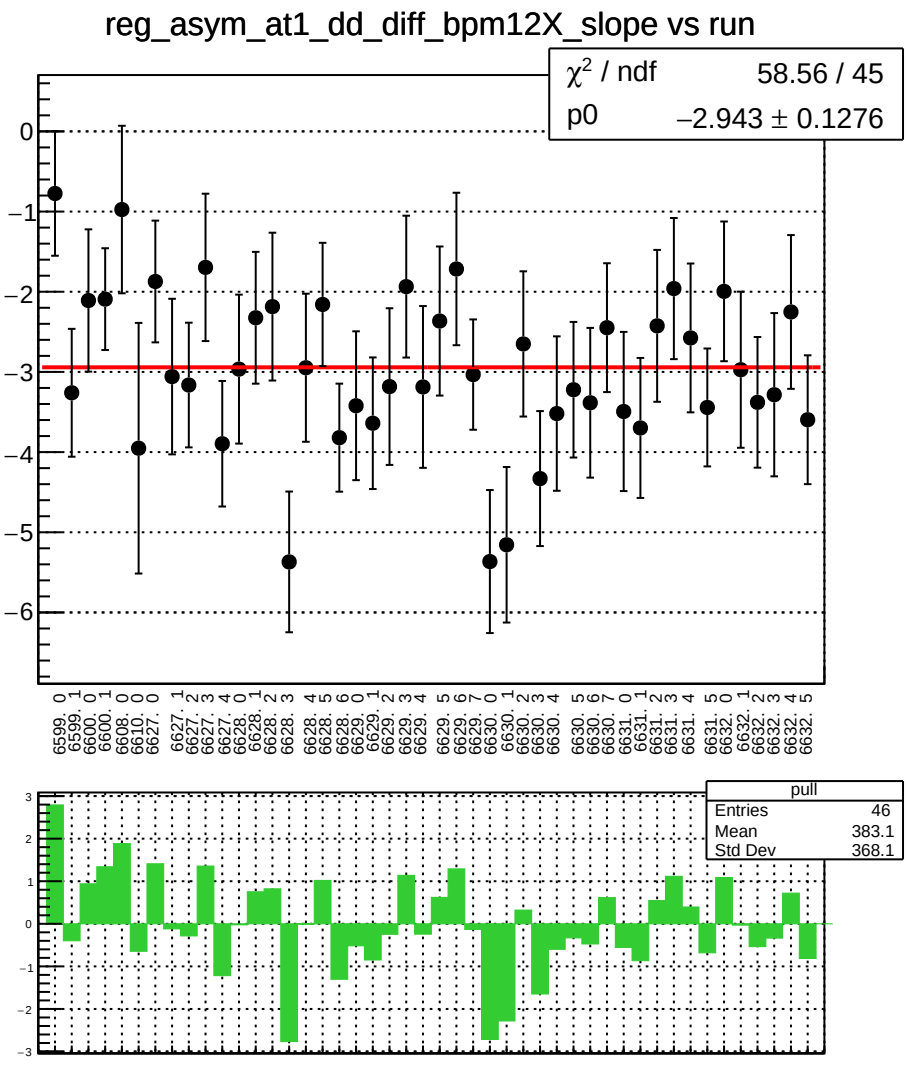

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.41 / 45
p0 −4.953 ± 1.892
pull
Entries 46
Mean 18.7
Std Dev 23.97
pull1D
Entries 46
Mean 0.0242
Std Dev 0.8894

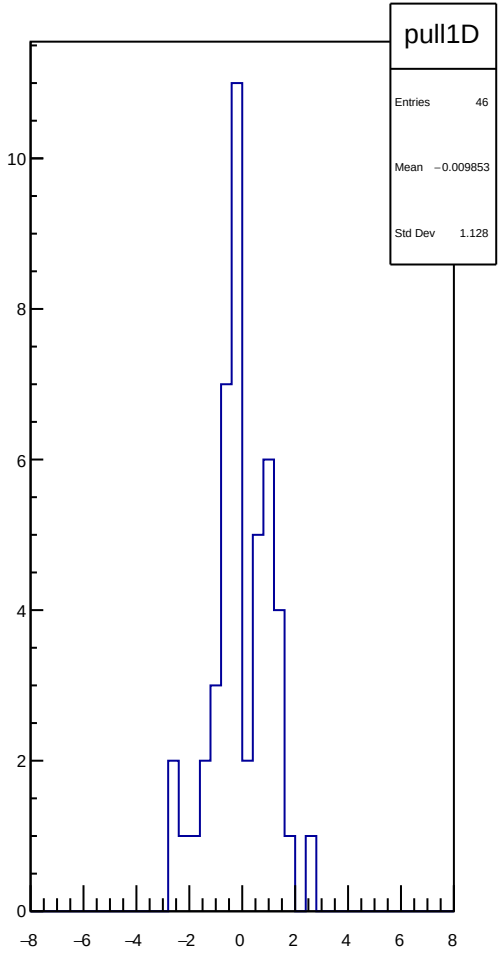

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.27 / 45
p0 38.22 ± 3.191
pull
Entries 46
Mean −178.8
Std Dev 210.6

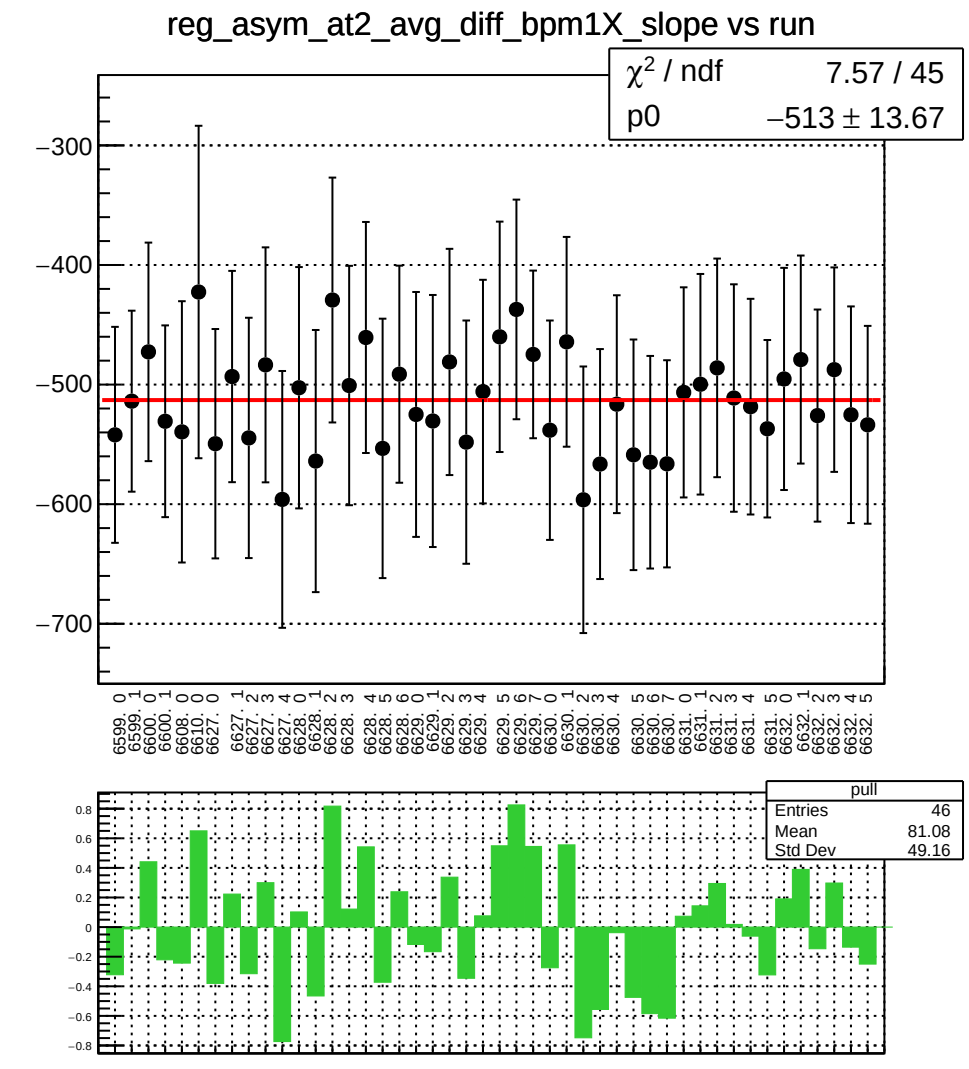

pull1D
Entries 46
Mean 0.006387
Std Dev 1.024

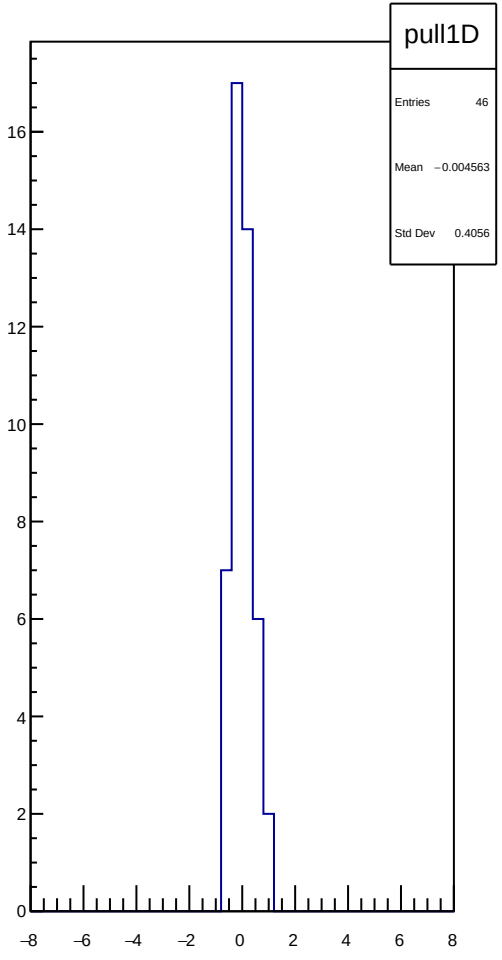

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.29 / 45
p0 7.182 ± 2.284
pull
Entries 46
Mean 38.82
Std Dev 20.84

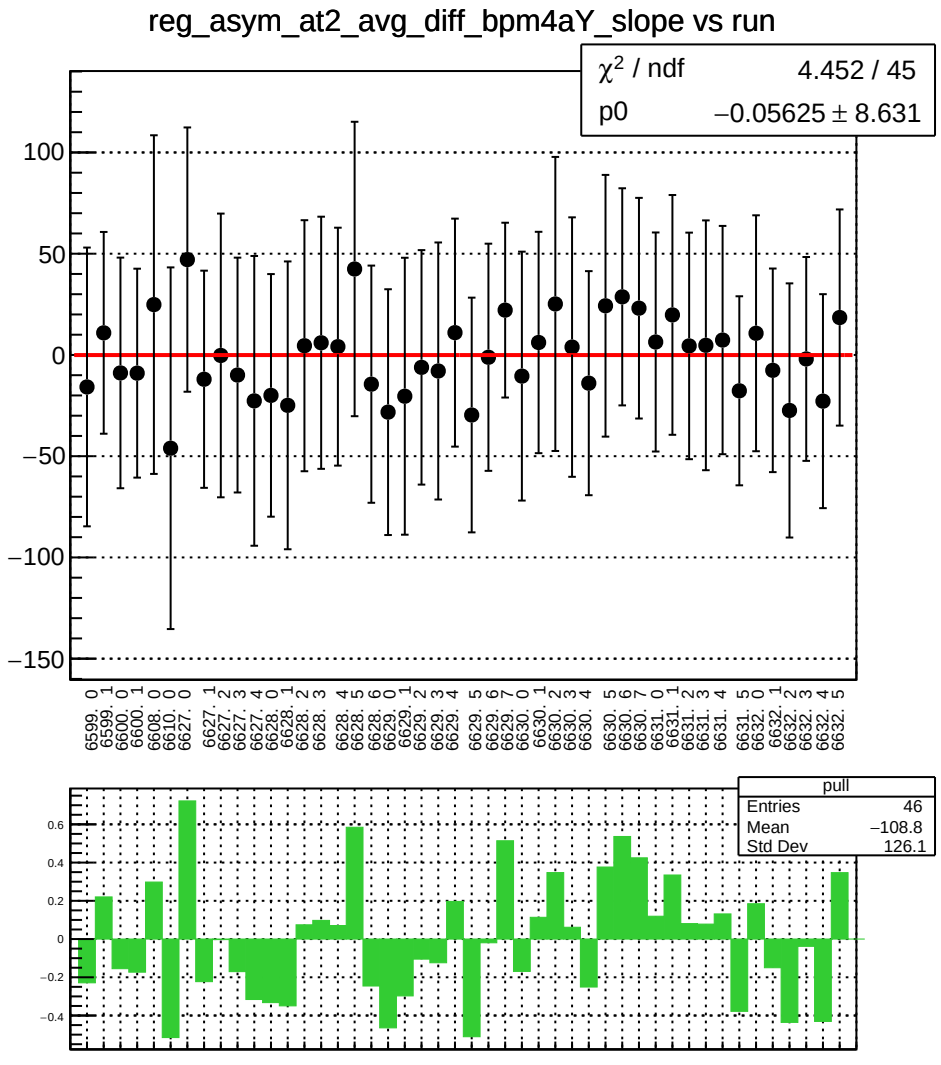

pull1D
Entries 46
Mean −0.02351
Std Dev 0.8878

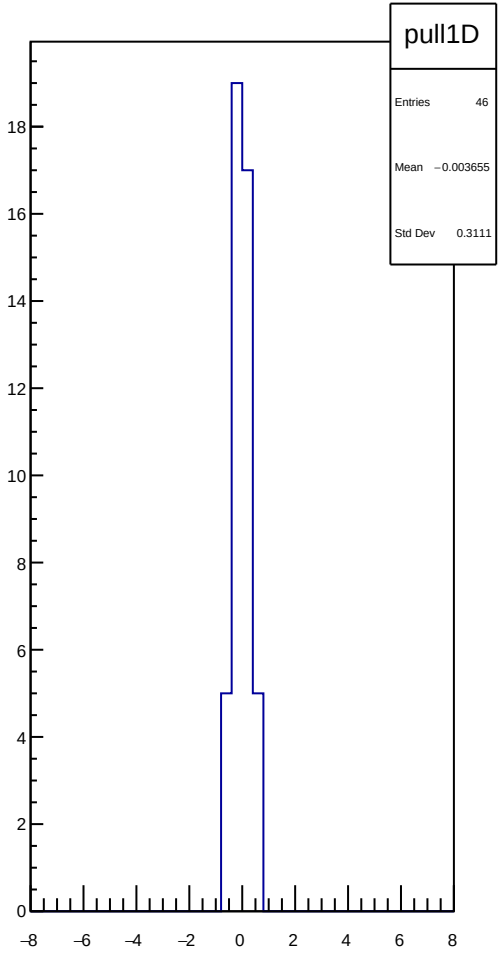

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 58.56 / 45
p0 −2.943 ± 0.1276
pull
Entries 46
Mean 383.1
Std Dev 368.1

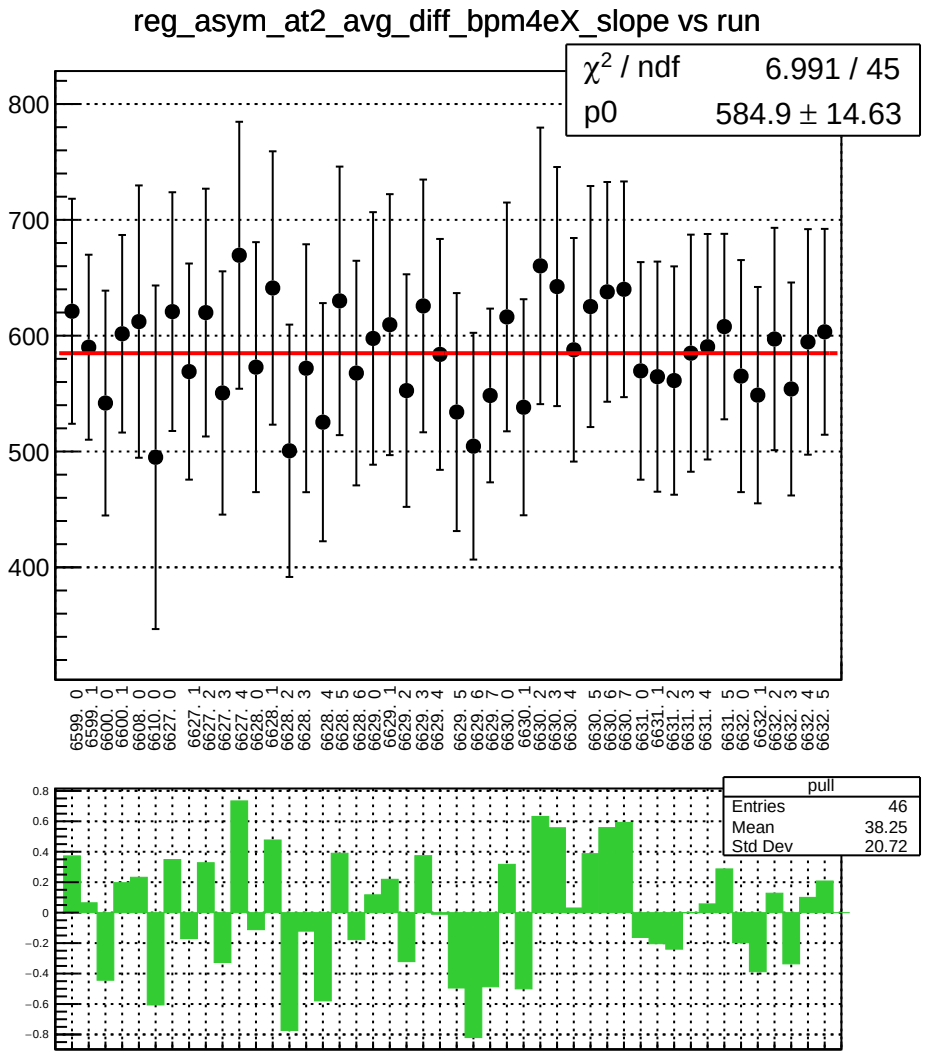

pull1D
Entries 46
Mean −0.009853
Std Dev 1.128

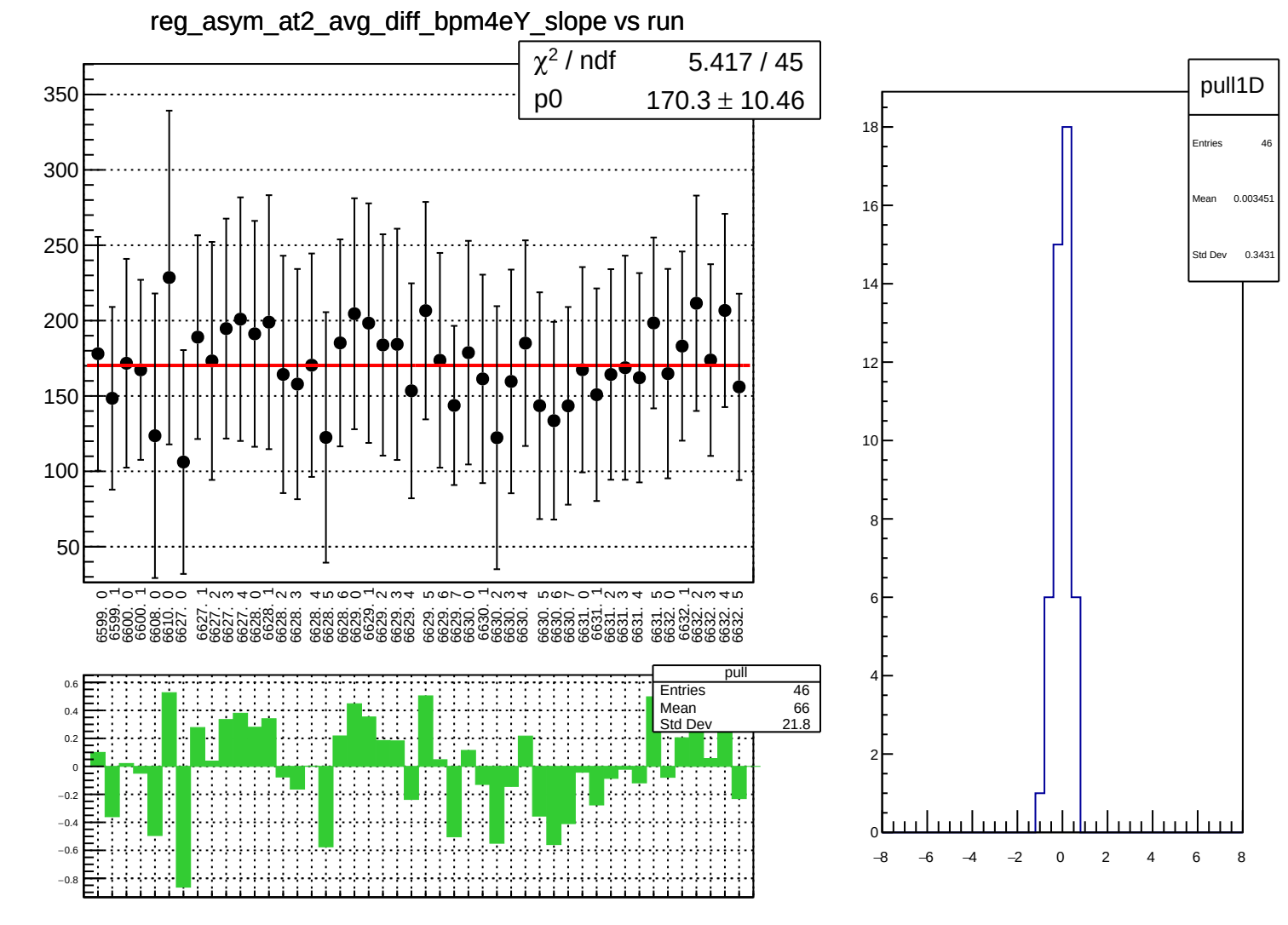

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.57 / 45
p0 −513 ± 13.67
−300
−400
−500
−600
−700
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 81.08
Std Dev 49.16
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

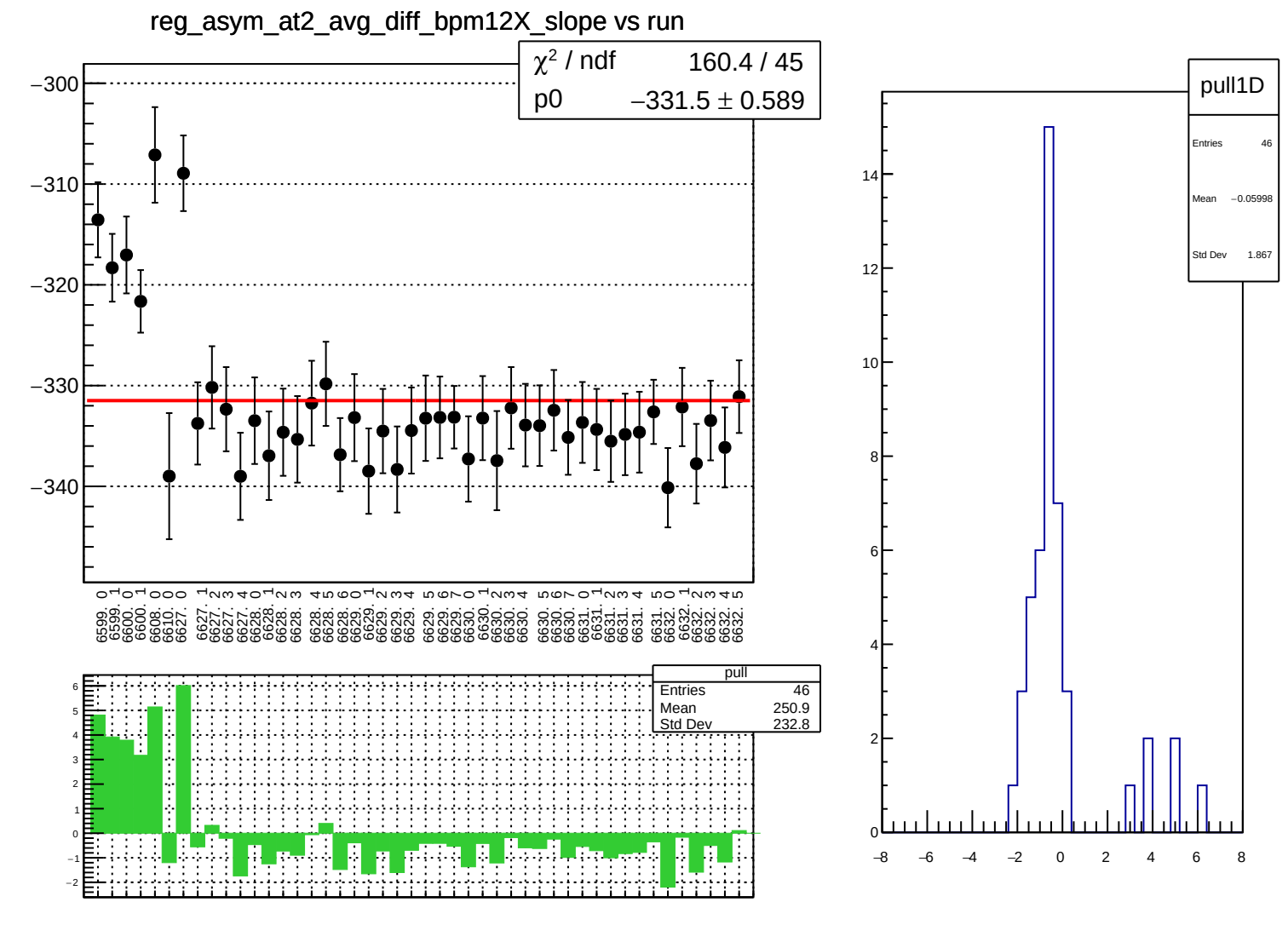

pull1D
Entries 46
Mean −0.004563
Std Dev 0.4056
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

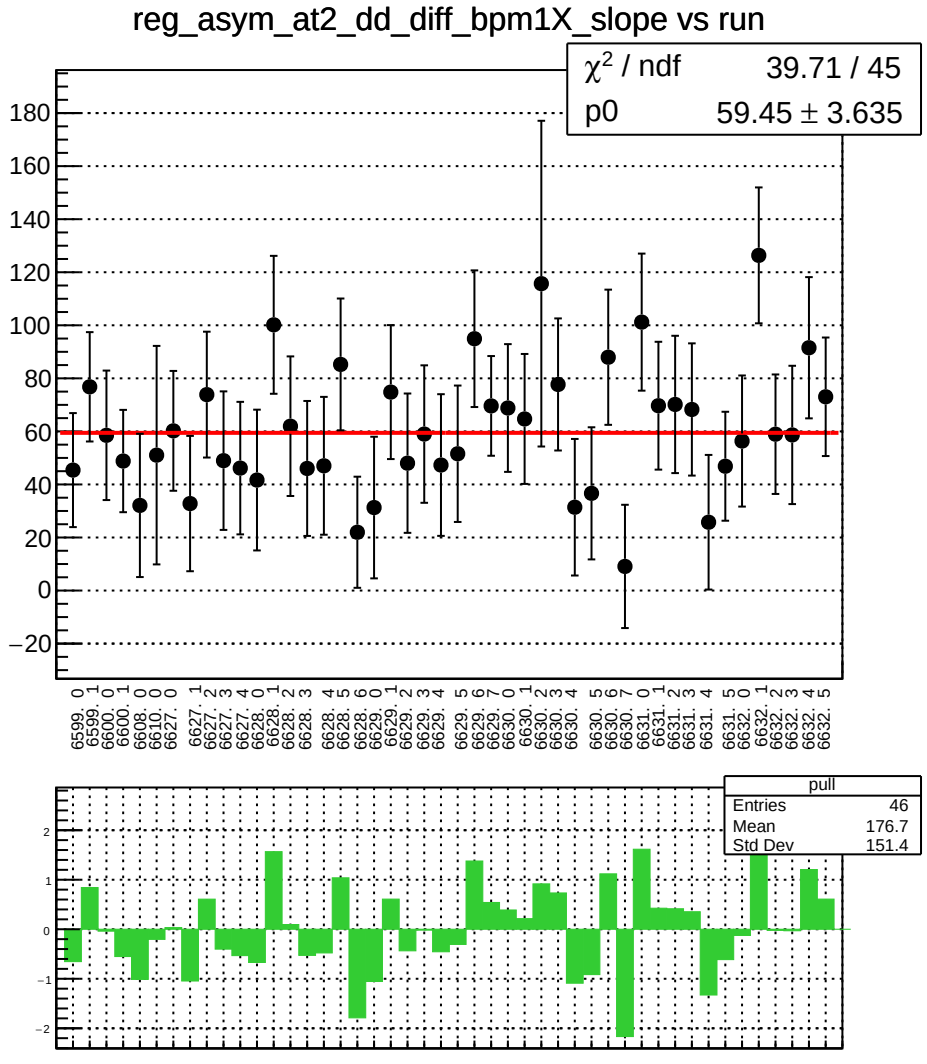

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.452 / 45
p0 −0.05625 ± 8.631
100
50
0
−50
−100
−150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −108.8
Std Dev 126.1
0.6
0.4
0.2
0
−0.2
−0.4

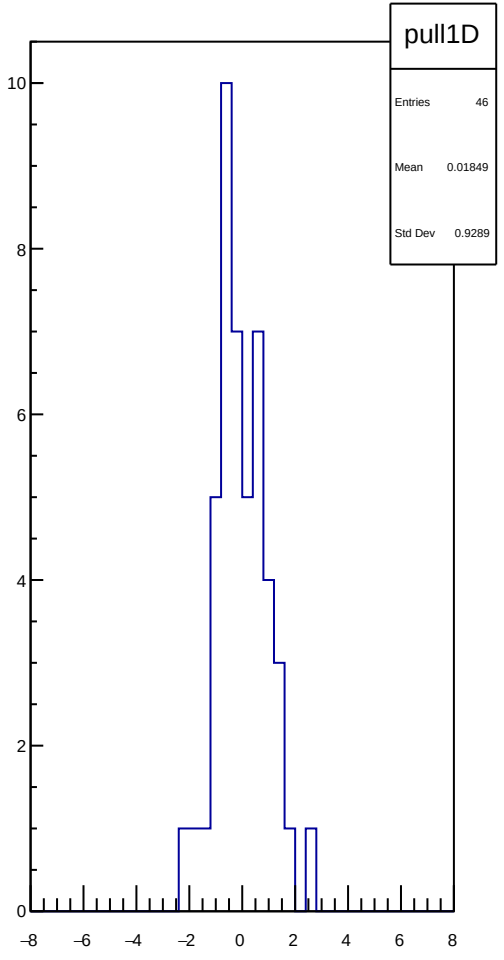

pull1D
Entries 46
Mean −0.003655
Std Dev 0.3111
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

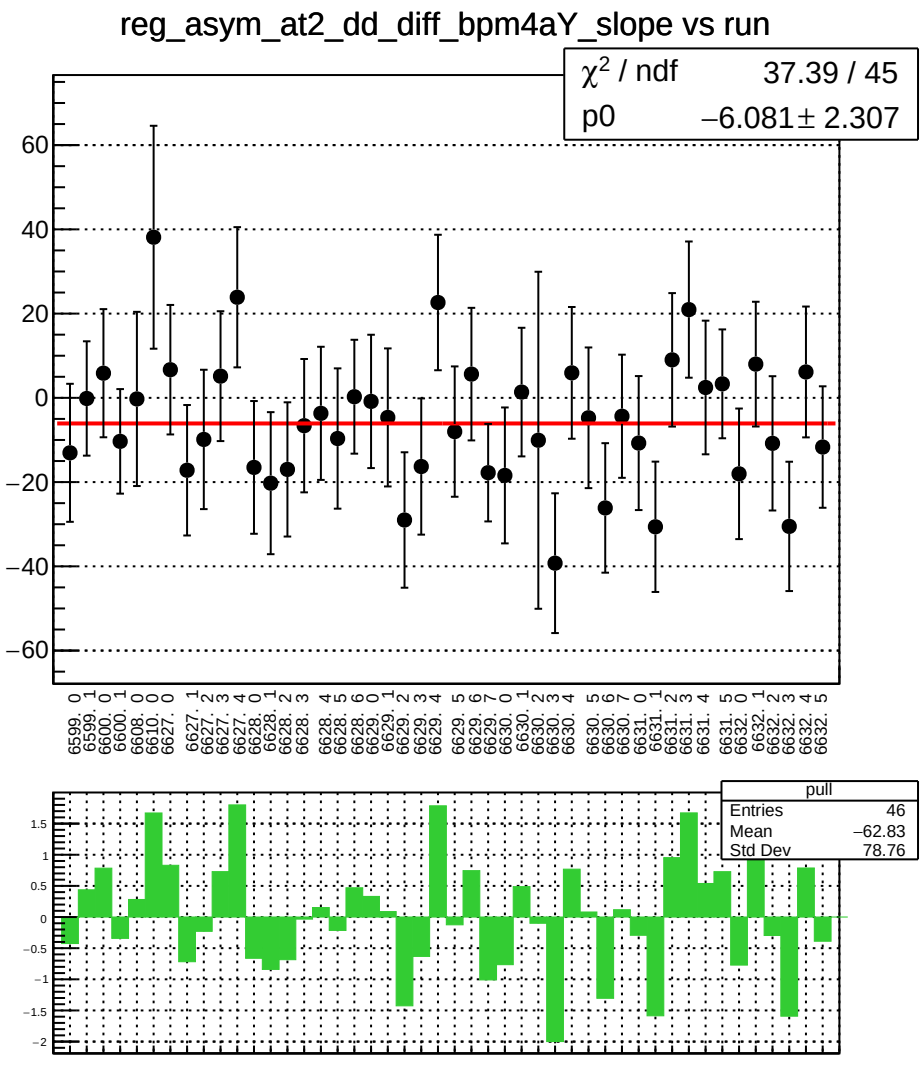

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.991 / 45
p0 584.9 ± 14.63
800
700
600
500
400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 38.25
Std Dev 20.72
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean 0.005193
Std Dev 0.3898
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

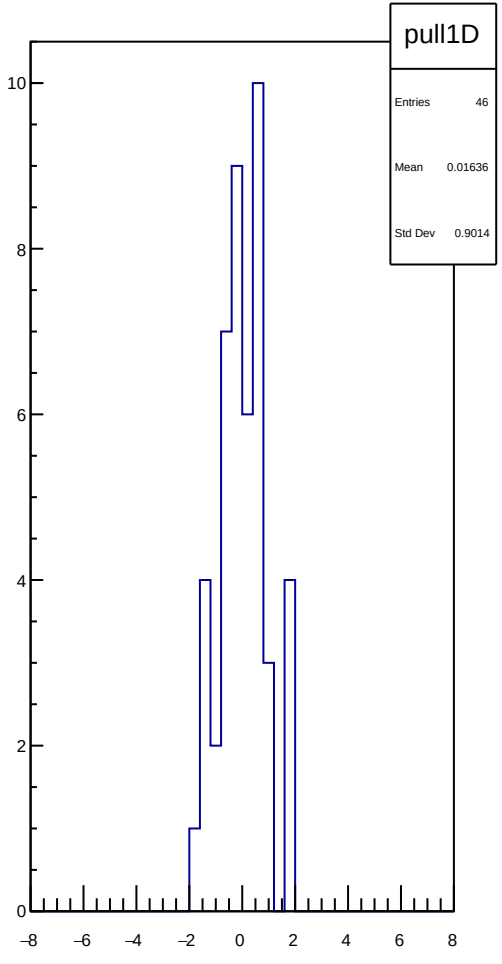

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.417 / 45
p0 170.3 ± 10.46
pull
Entries 46
Mean 66
Std Dev 21.8
pull1D
Entries 46
Mean 0.003451
Std Dev 0.3431

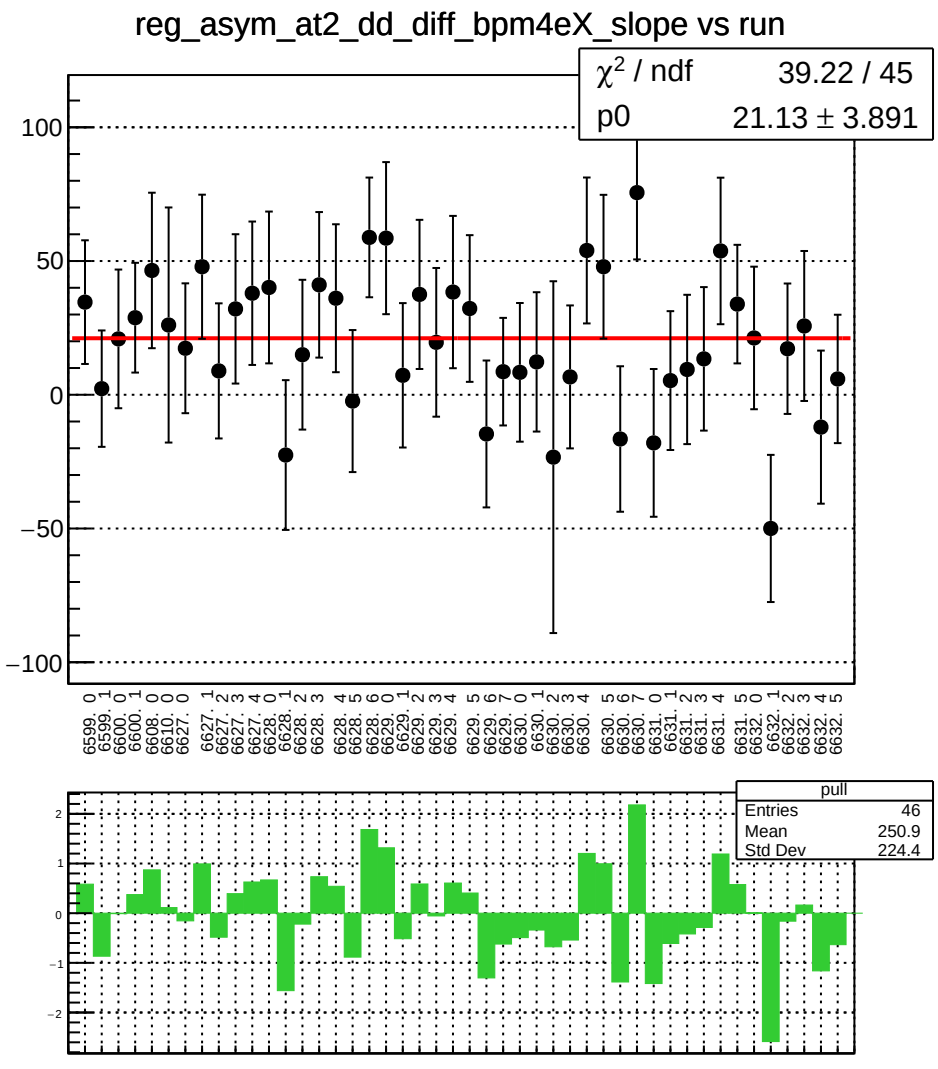

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 160.4 / 45
p0 −331.5 ± 0.589
−300
−310
−320
−330
−340
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 250.9
Std Dev 232.8
pull1D
Entries 46
Mean −0.05998
Std Dev 1.867

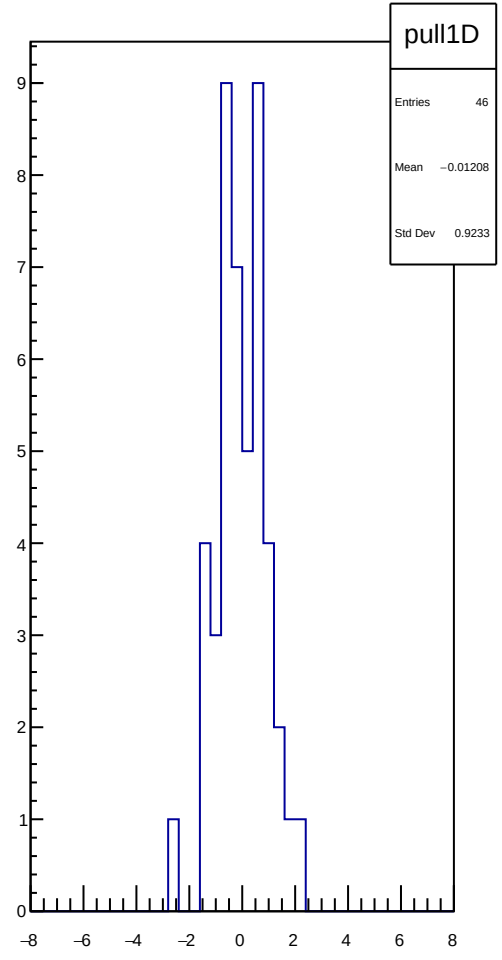

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 39.71 / 45
p0 59.45 ± 3.635
pull
Entries 46
Mean 176.7
Std Dev 151.4

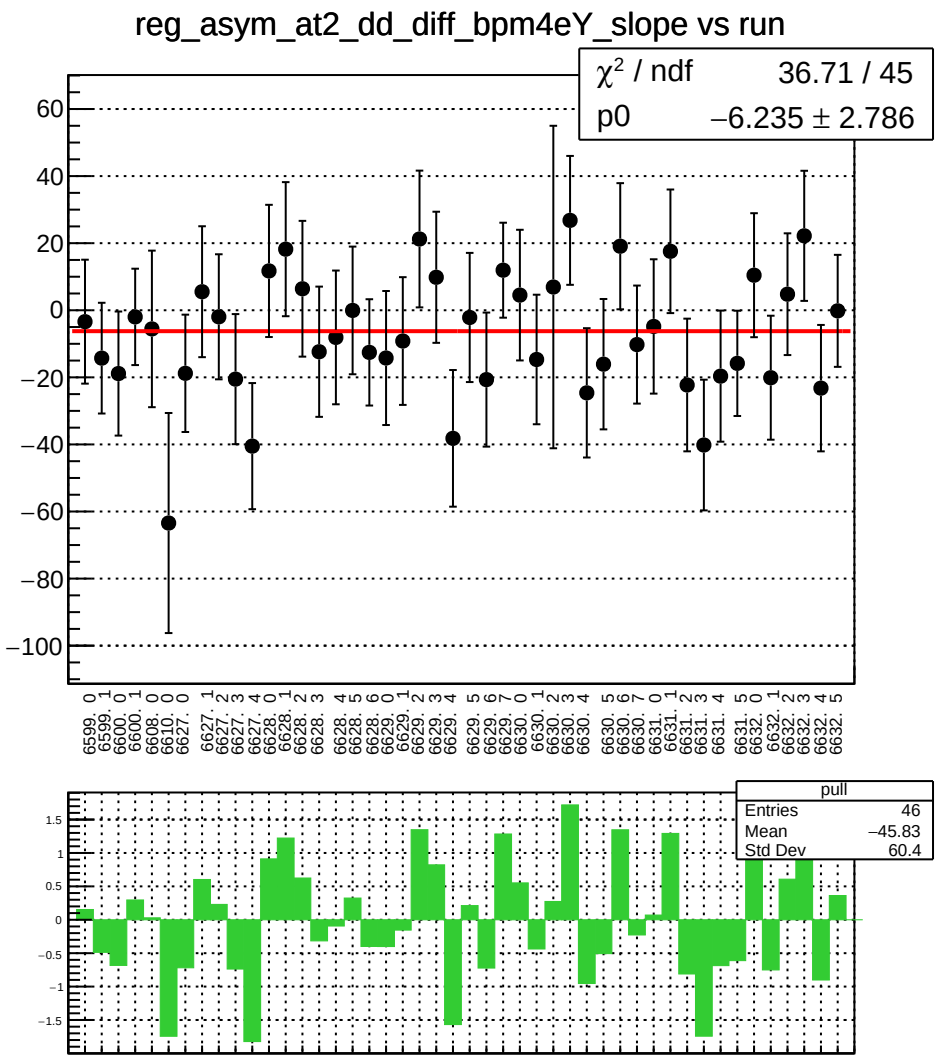

pull1D
Entries 46
Mean 0.01849
Std Dev 0.9289

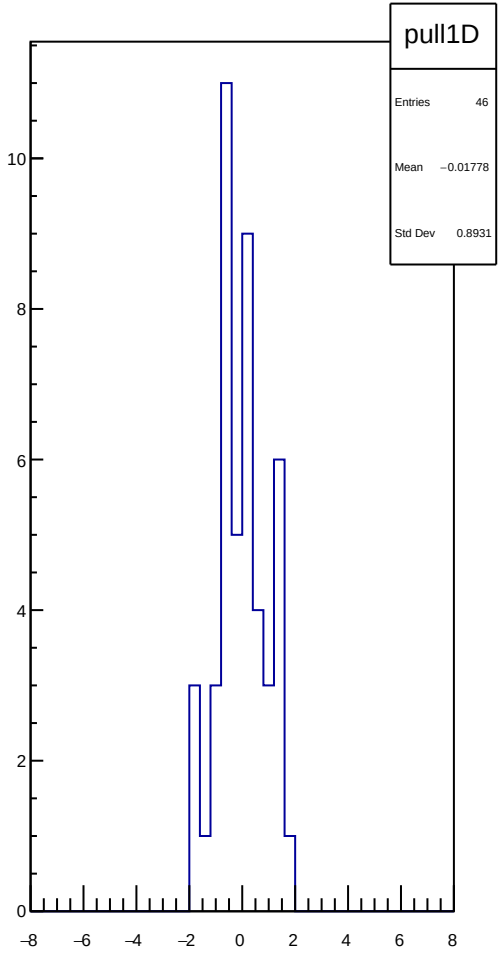

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.39 / 45
p0 −6.081 ± 2.307
pull
Entries 46
Mean −62.83
Std Dev 78.76

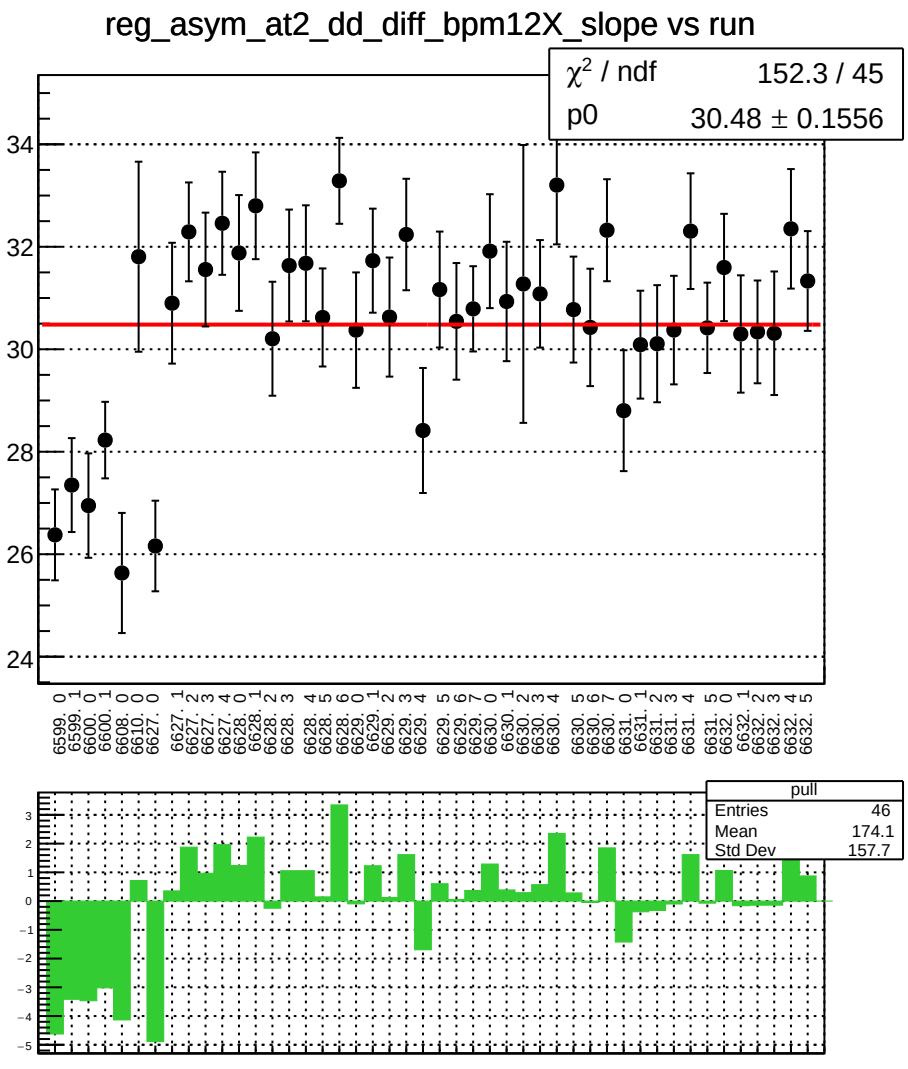

pull1D
Entries 46
Mean 0.01636
Std Dev 0.9014

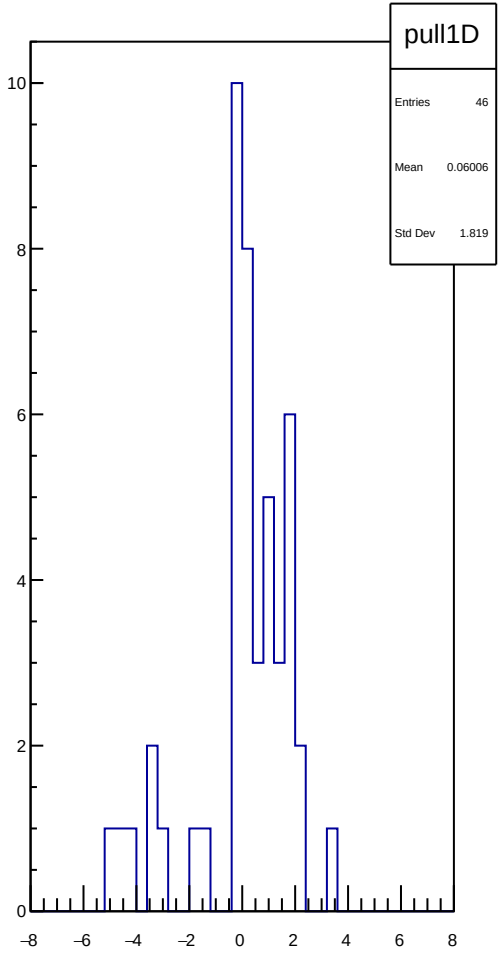

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.22 / 45
p0 21.13 ± 3.891
100
50
0
−50
−100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 250.9
Std Dev 224.4
2
1
0
−1
−2

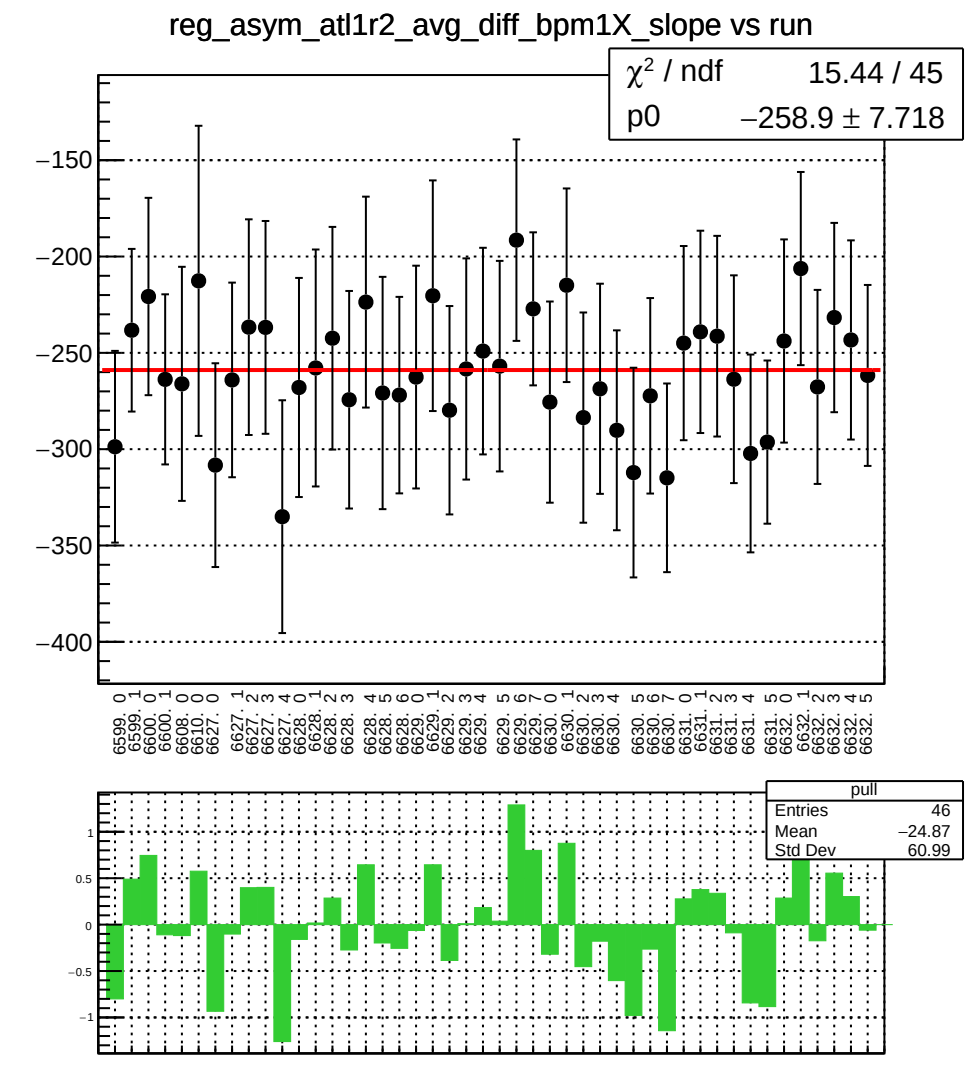

pull1D
Entries 46
Mean −0.01208
Std Dev 0.9233
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

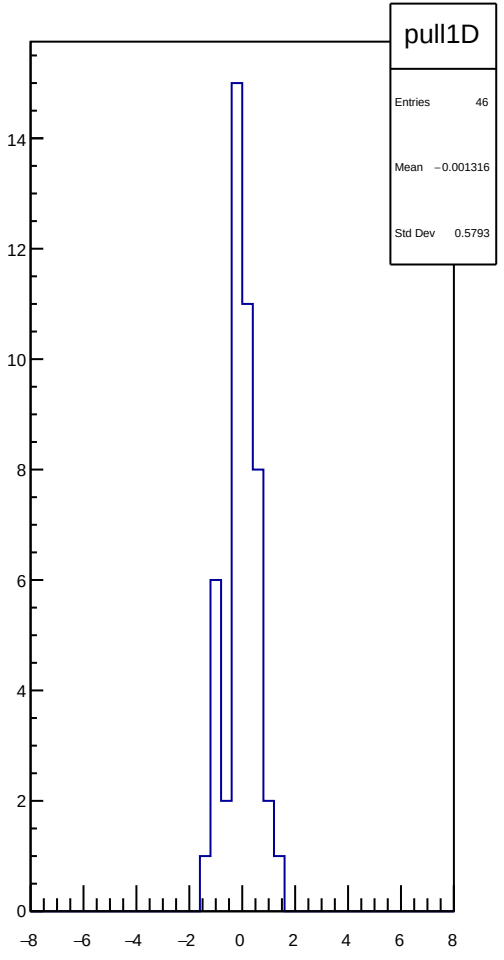

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.71 / 45
p0 −6.235 ± 2.786
pull
Entries 46
Mean −45.83
Std Dev 60.4

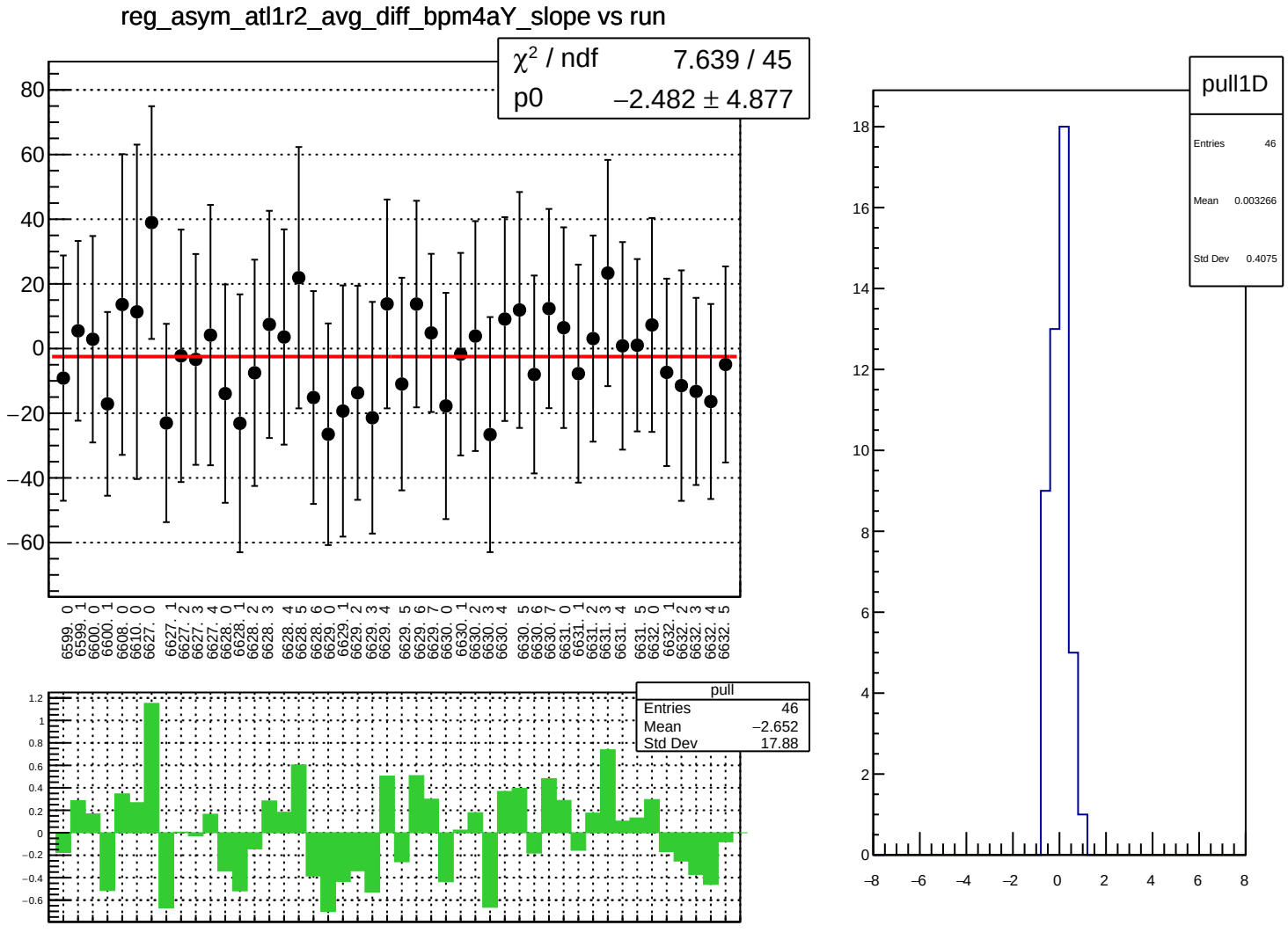

pull1D
Entries 46
Mean −0.01778
Std Dev 0.8931

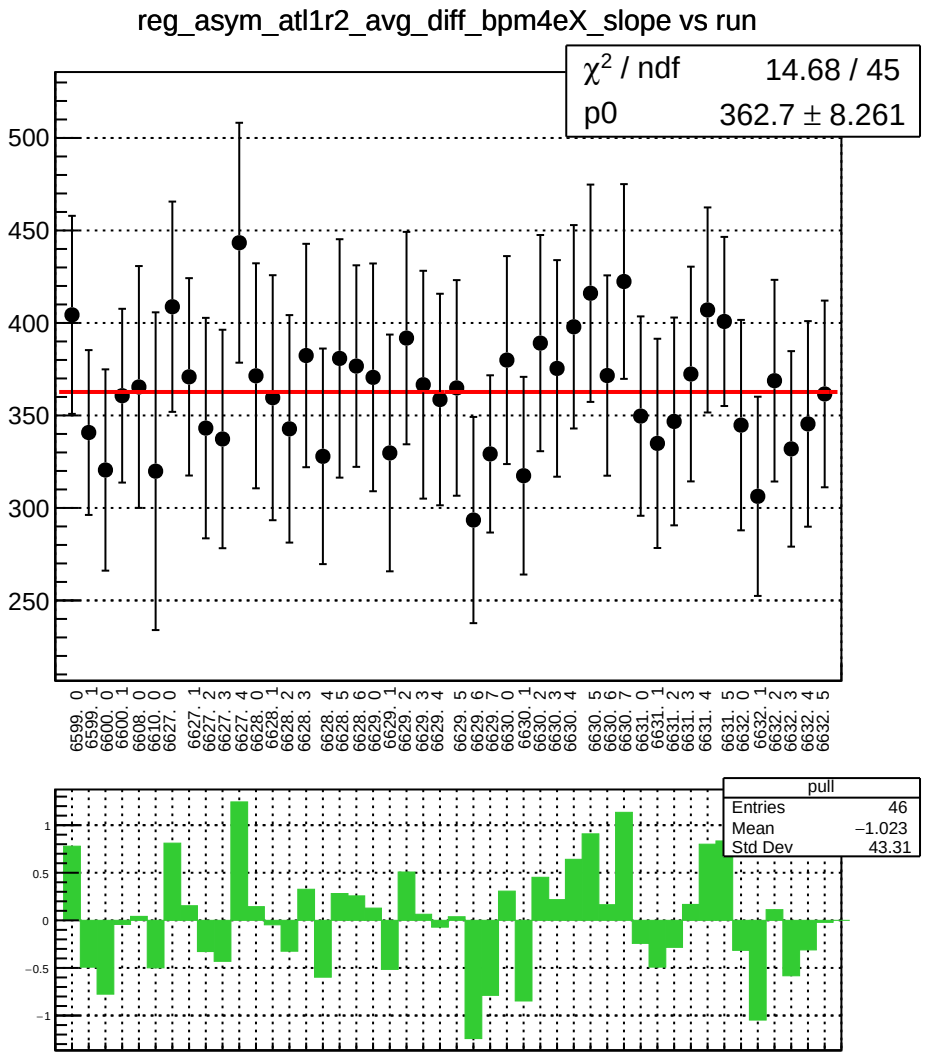

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 152.3 / 45
p0 30.48 ± 0.1556
pull
Entries 46
Mean 174.1
Std Dev 157.7

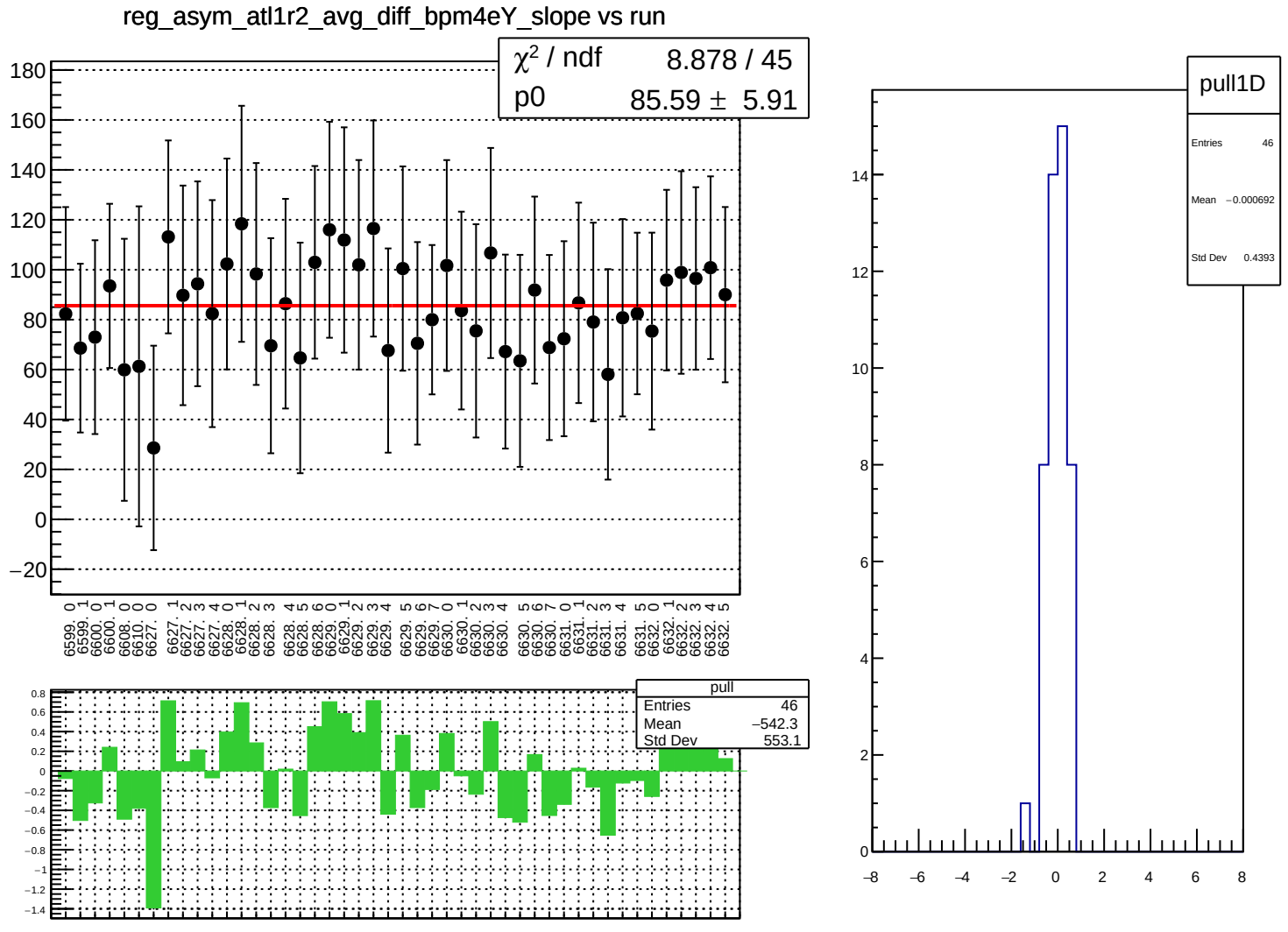

pull1D
Entries 46
Mean 0.06006
Std Dev 1.819

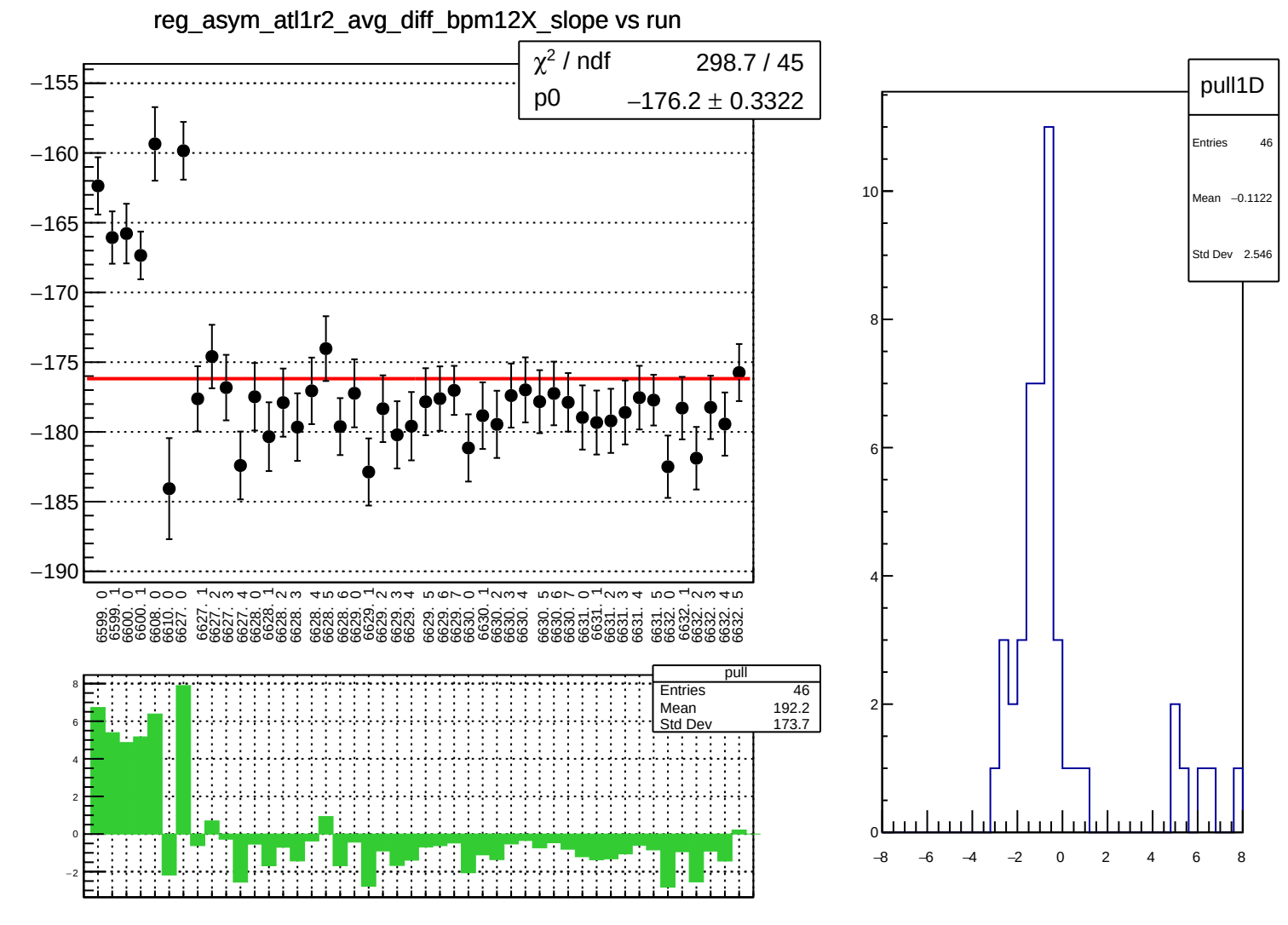

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.44 / 45
p0 −258.9 ± 7.718
pull
Entries 46
Mean −24.87
Std Dev 60.99

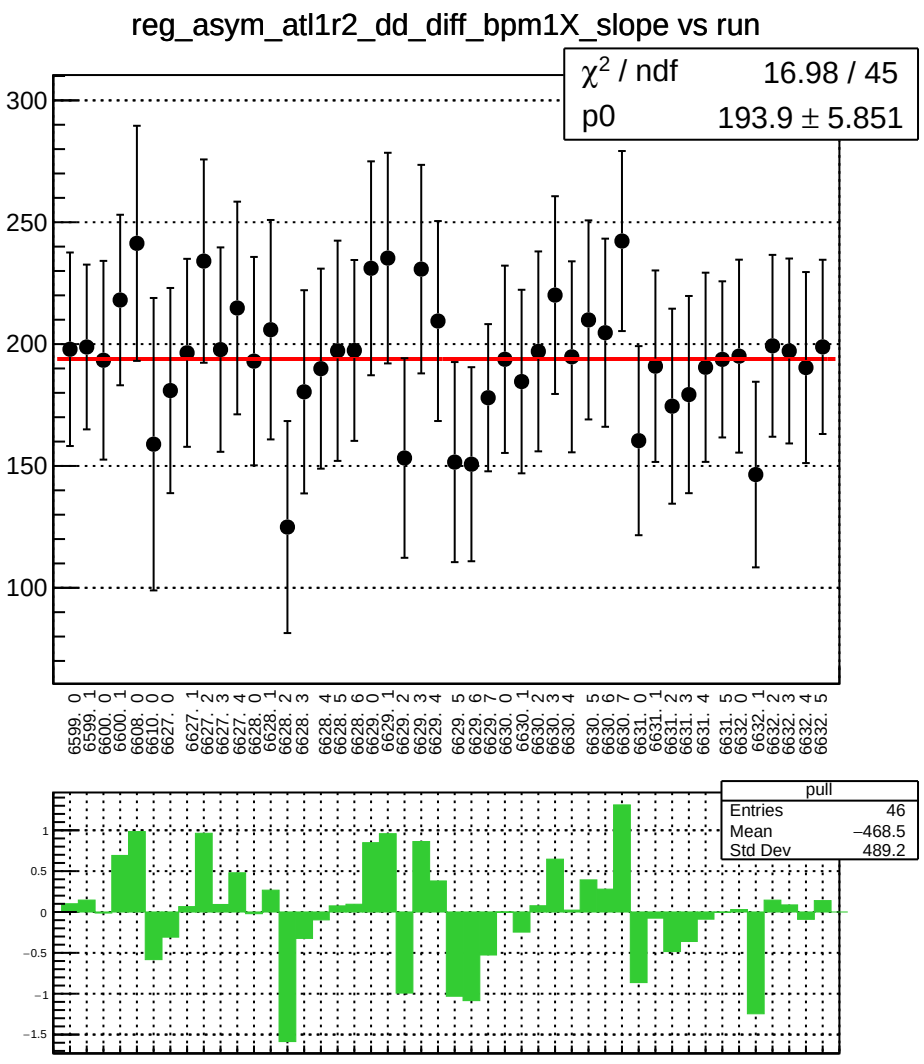

pull1D
Entries 46
Mean −0.001316
Std Dev 0.5793

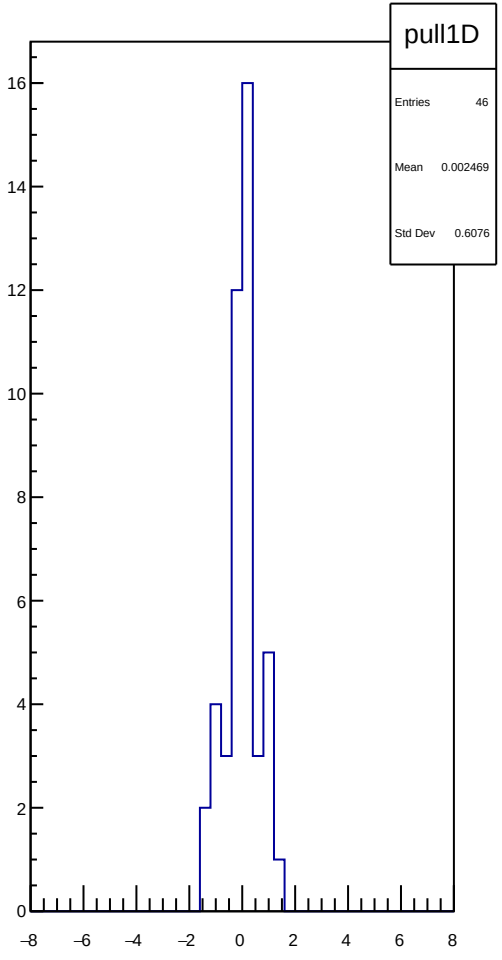

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.639 / 45
p0 −2.482 ± 4.877
pull
Entries 46
Mean −2.652
Std Dev 17.88
pull1D
Entries 46
Mean 0.003266
Std Dev 0.4075

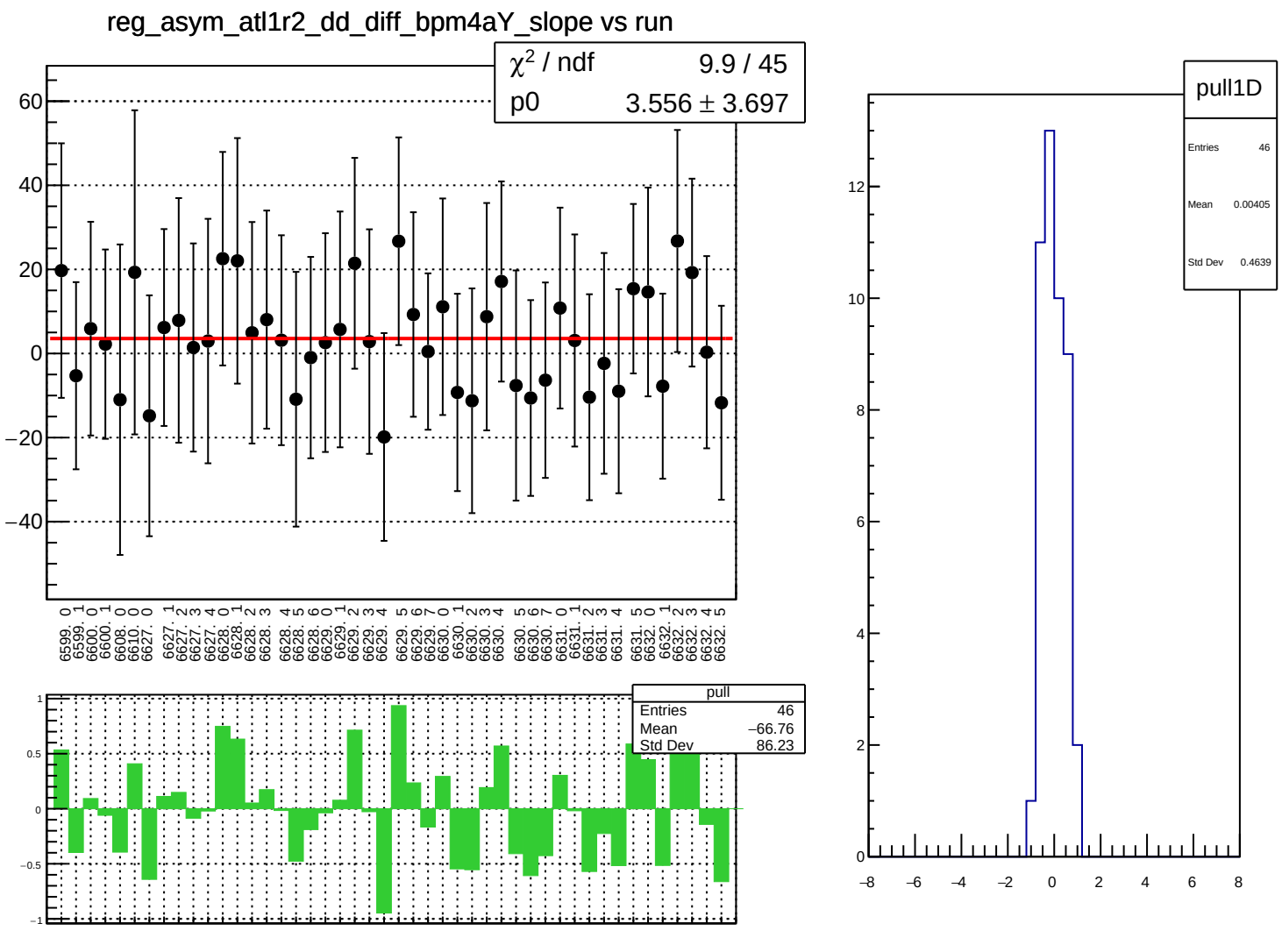

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.68 / 45
p0 362.7 ± 8.261
500
450
400
350
300
250
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −1.023
Std Dev 43.31
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.004836
Std Dev 0.5648
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

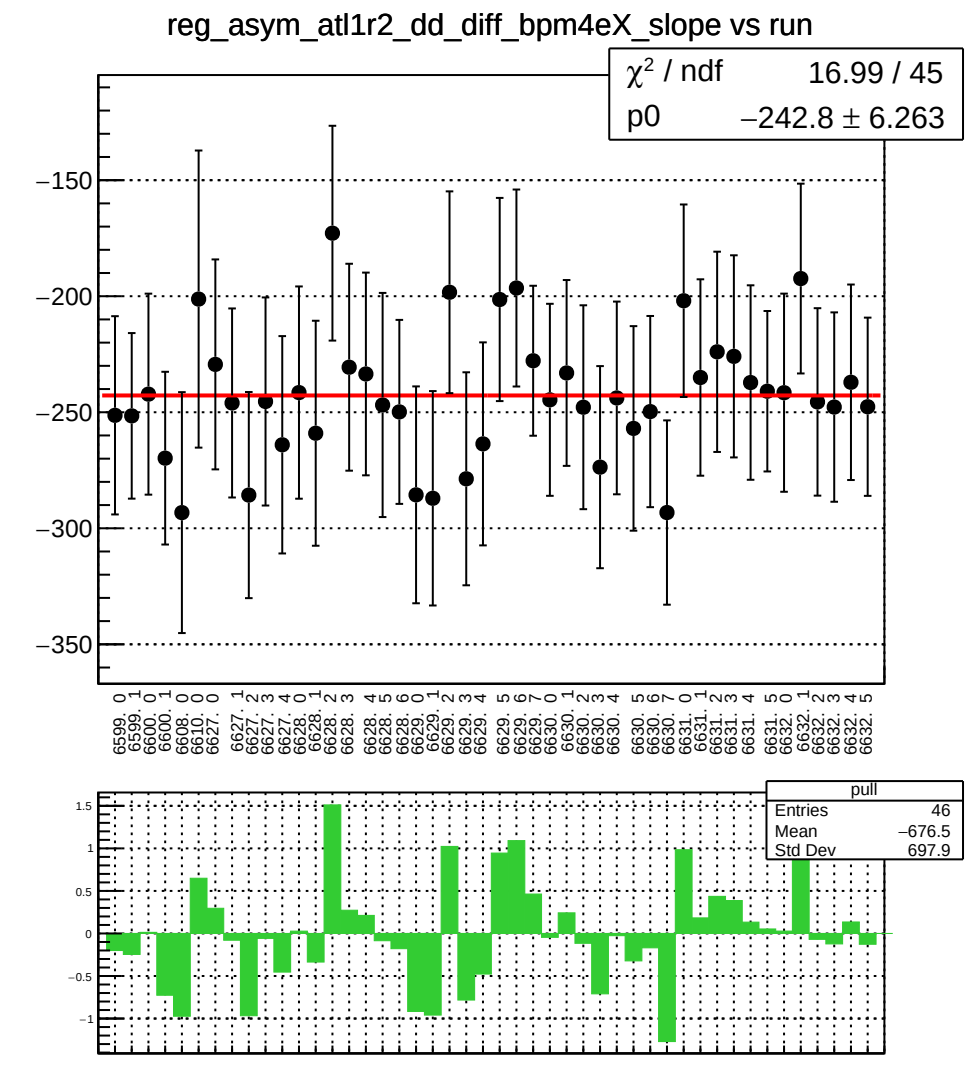

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.878 / 45
p0 85.59 ± 5.91
pull
Entries 46
Mean −542.3
Std Dev 553.1
pull1D
Entries 46
Mean −0.000692
Std Dev 0.4393

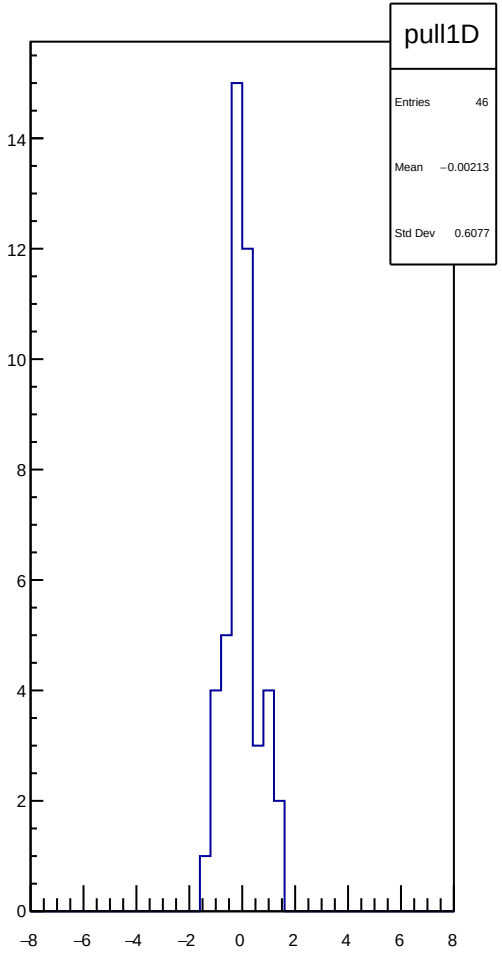

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 298.7 / 45
p0 −176.2 ± 0.3322
pull
Entries 46
Mean 192.2
Std Dev 173.7
pull1D
Entries 46
Mean −0.1122
Std Dev 2.546

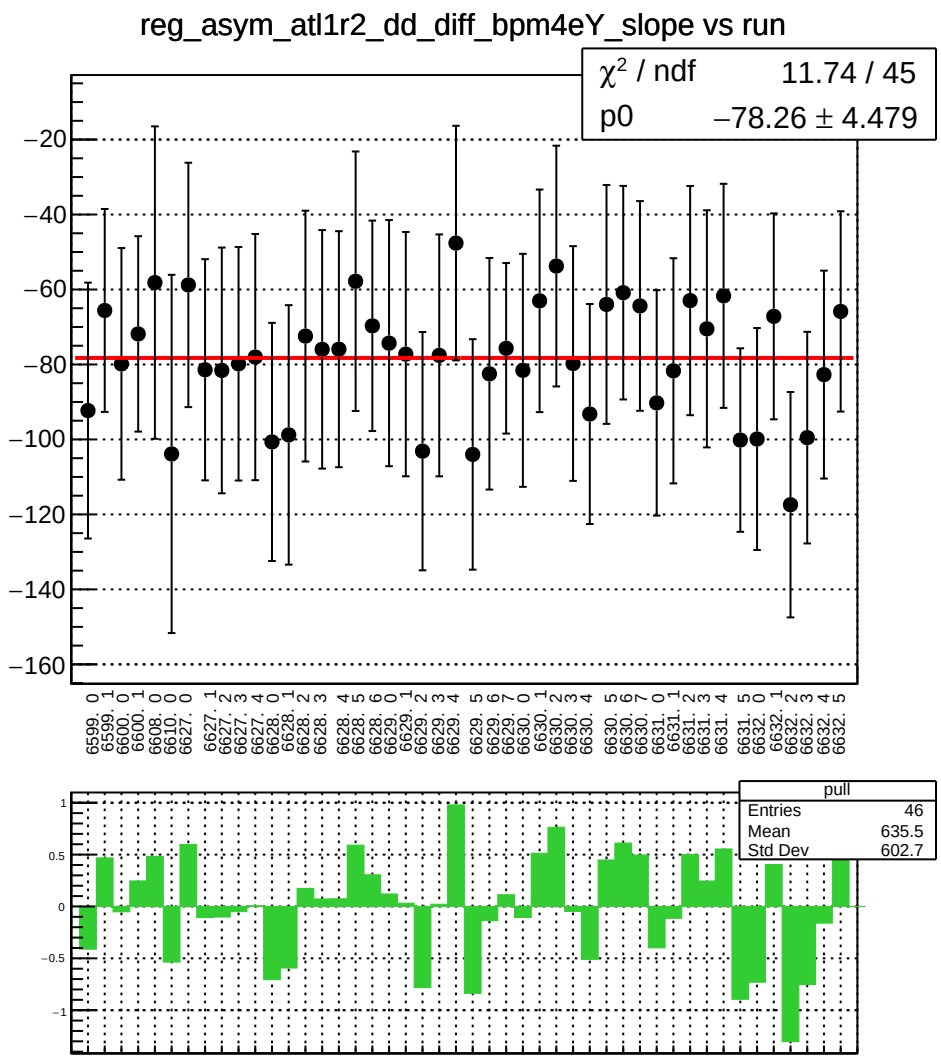

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 16.98 / 45
p0 193.9 ± 5.851
300
250
200
150
100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −468.5
Std Dev 489.2
1
0.5
0
−0.5
−1
−1.5

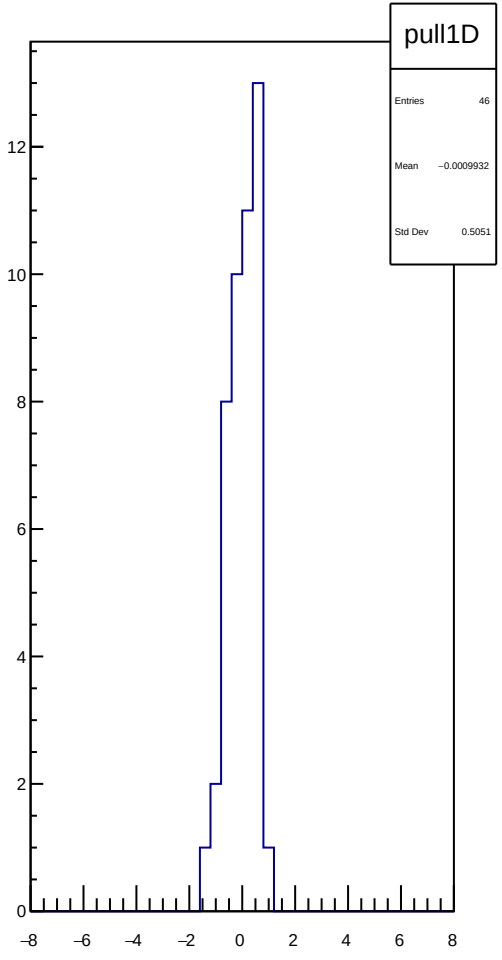

pull1D
Entries 46
Mean 0.002469
Std Dev 0.6076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

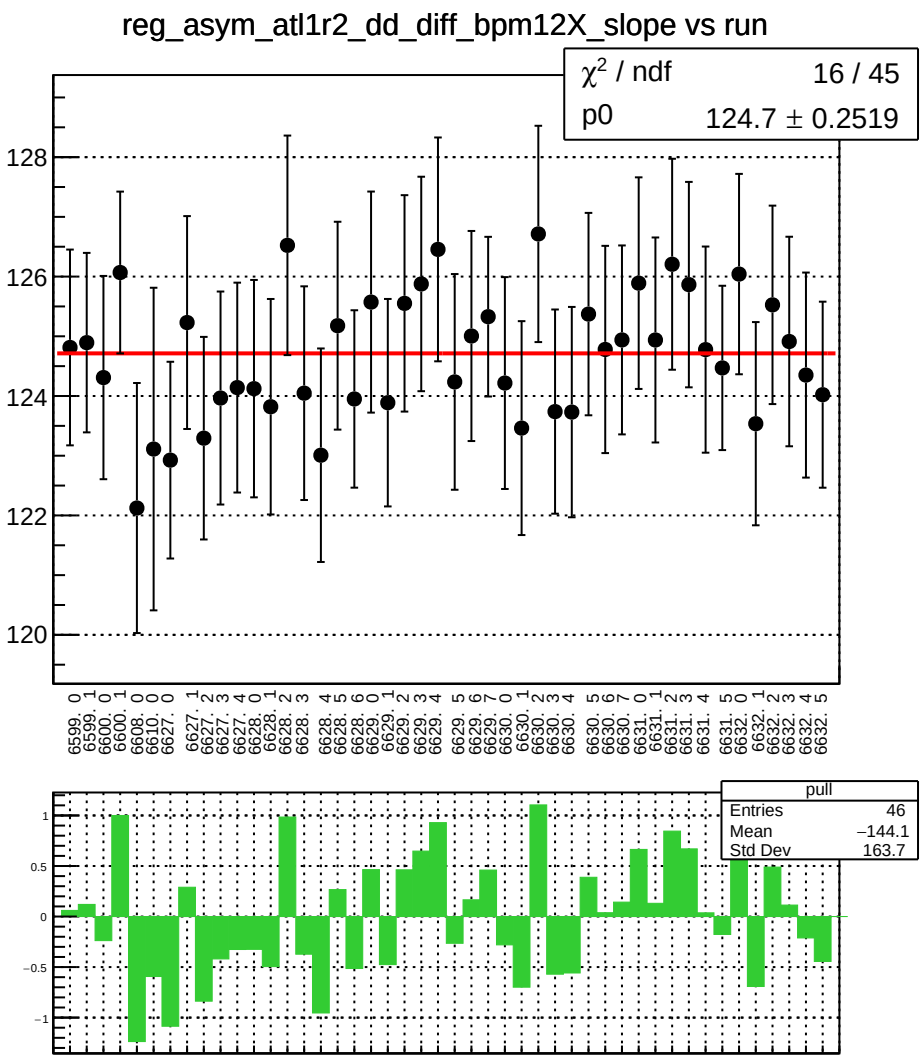

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.9 / 45
p0 3.556 ± 3.697
60
40
20
0
−20
−40
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −66.76
Std Dev 86.23
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.00405
Std Dev 0.4639
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

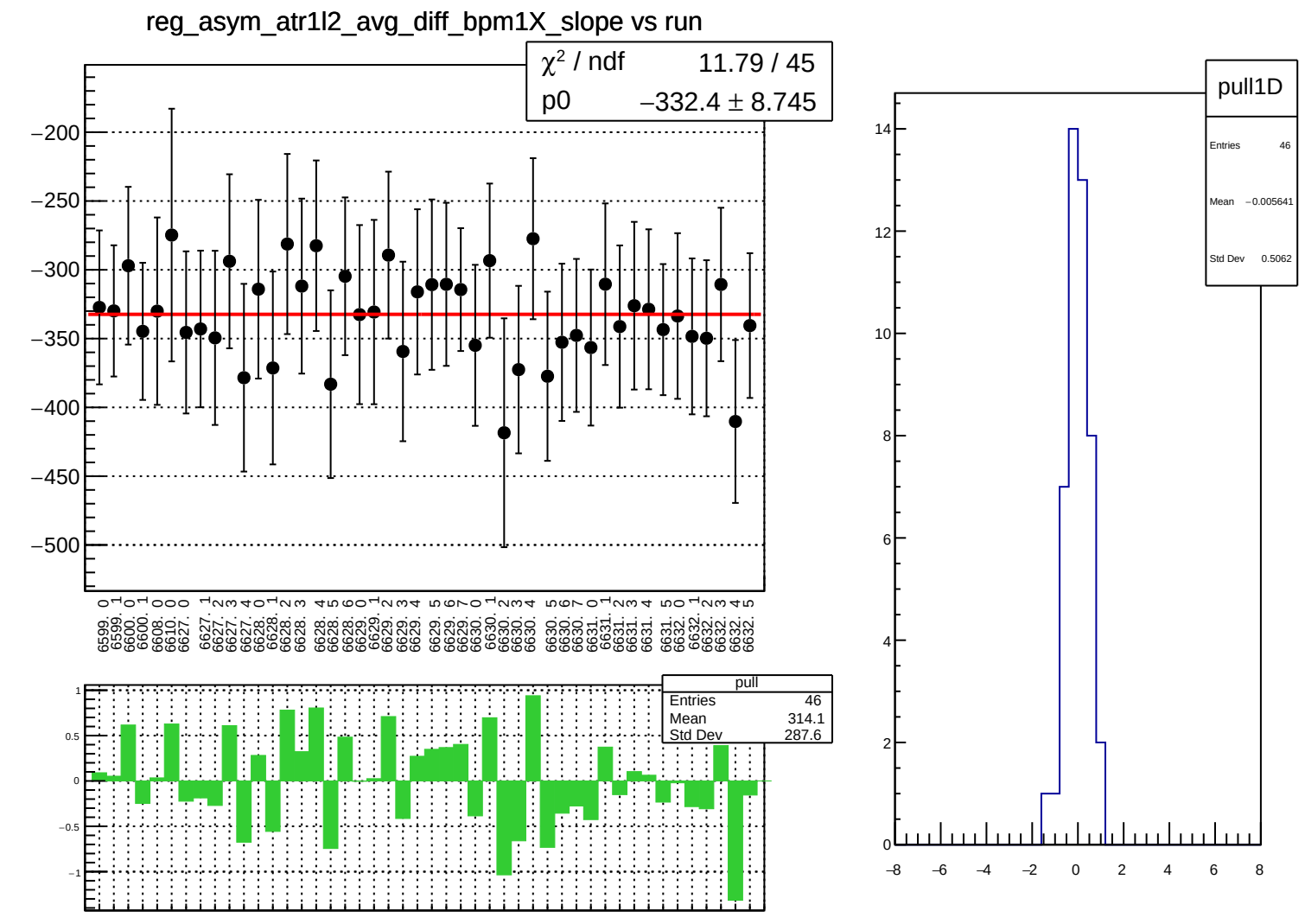

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.99 / 45
p0 −242.8 ± 6.263
pull
Entries 46
Mean −676.5
Std Dev 697.9

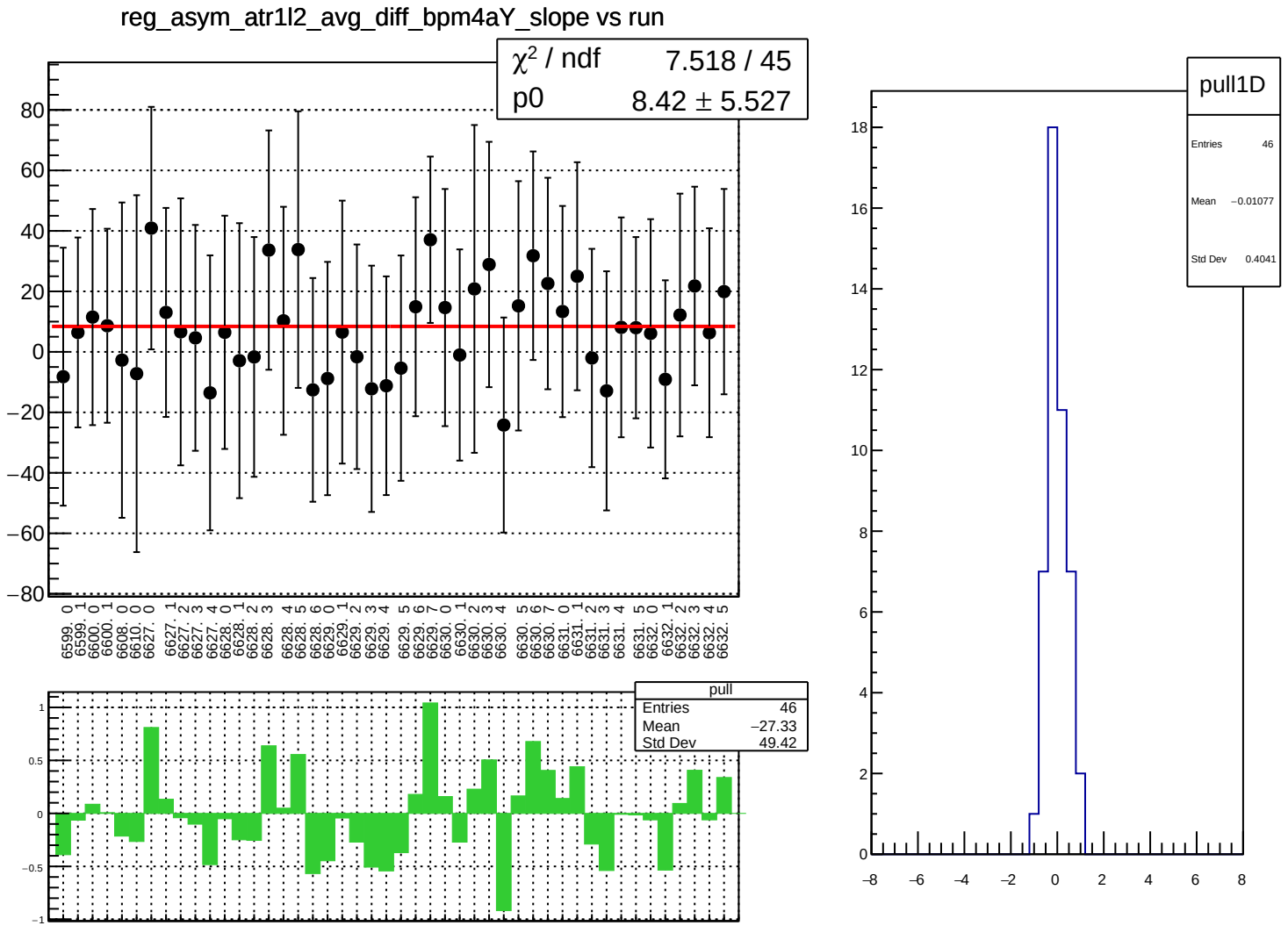

pull1D
Entries 46
Mean −0.00213
Std Dev 0.6077

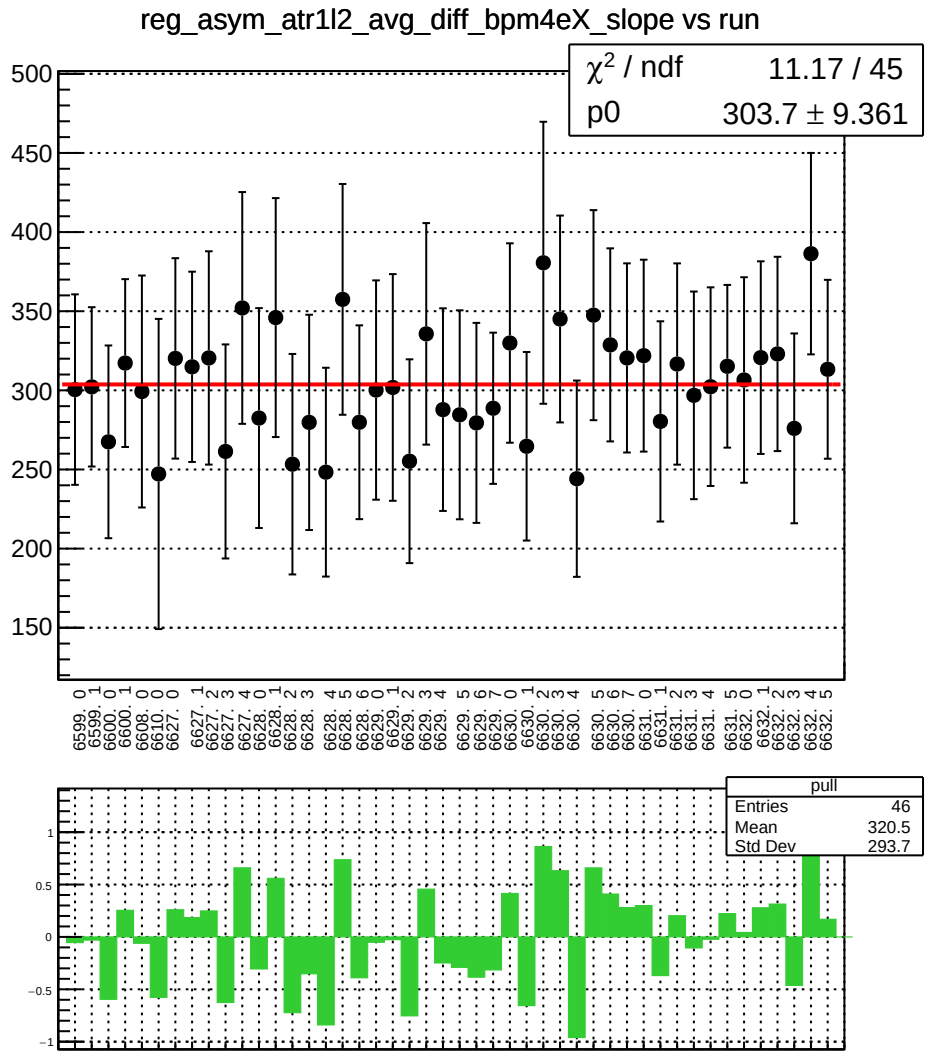

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.74 / 45
p0 −78.26 ± 4.479
pull
Entries 46
Mean 635.5
Std Dev 602.7

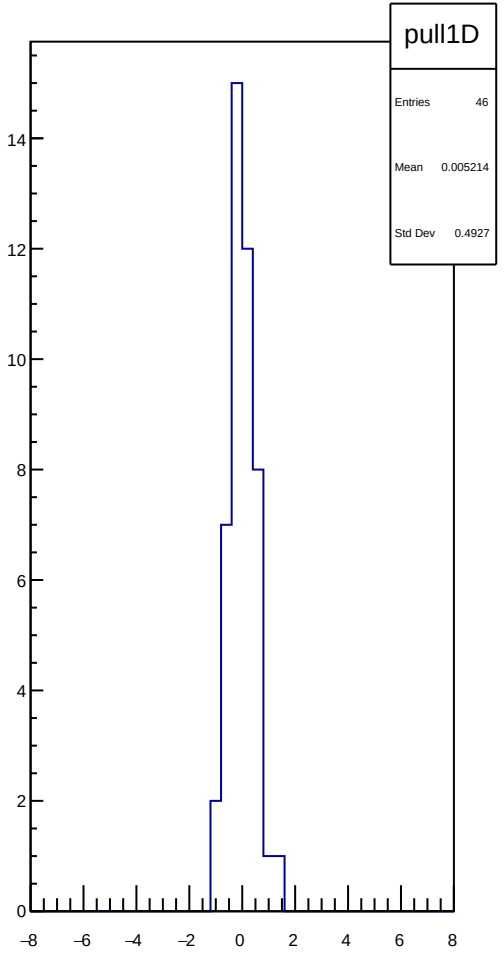

pull1D
Entries 46
Mean −0.0009932
Std Dev 0.5051

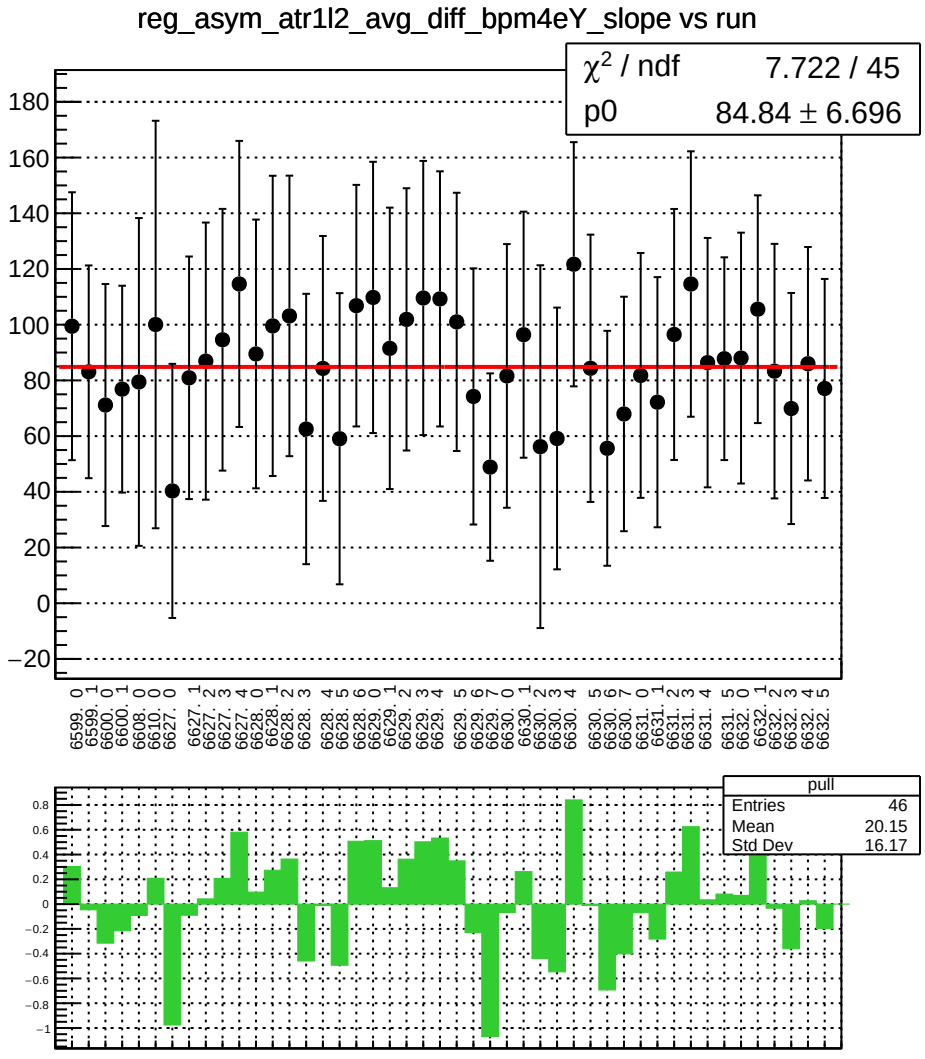

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 16 / 45
p0 124.7 ± 0.2519
128
126
124
122
120
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −144.1
Std Dev 163.7
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.01104
Std Dev 0.5896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

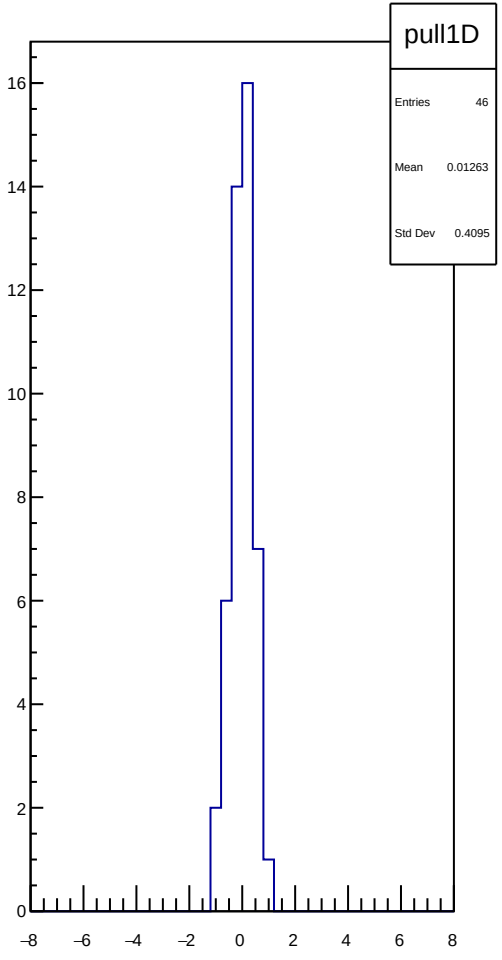

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 11.79 / 45
p0 −332.4 ± 8.745
−200
−250
−300
−350
−400
−450
−500
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 314.1
Std Dev 287.6
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.005641
Std Dev 0.5062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

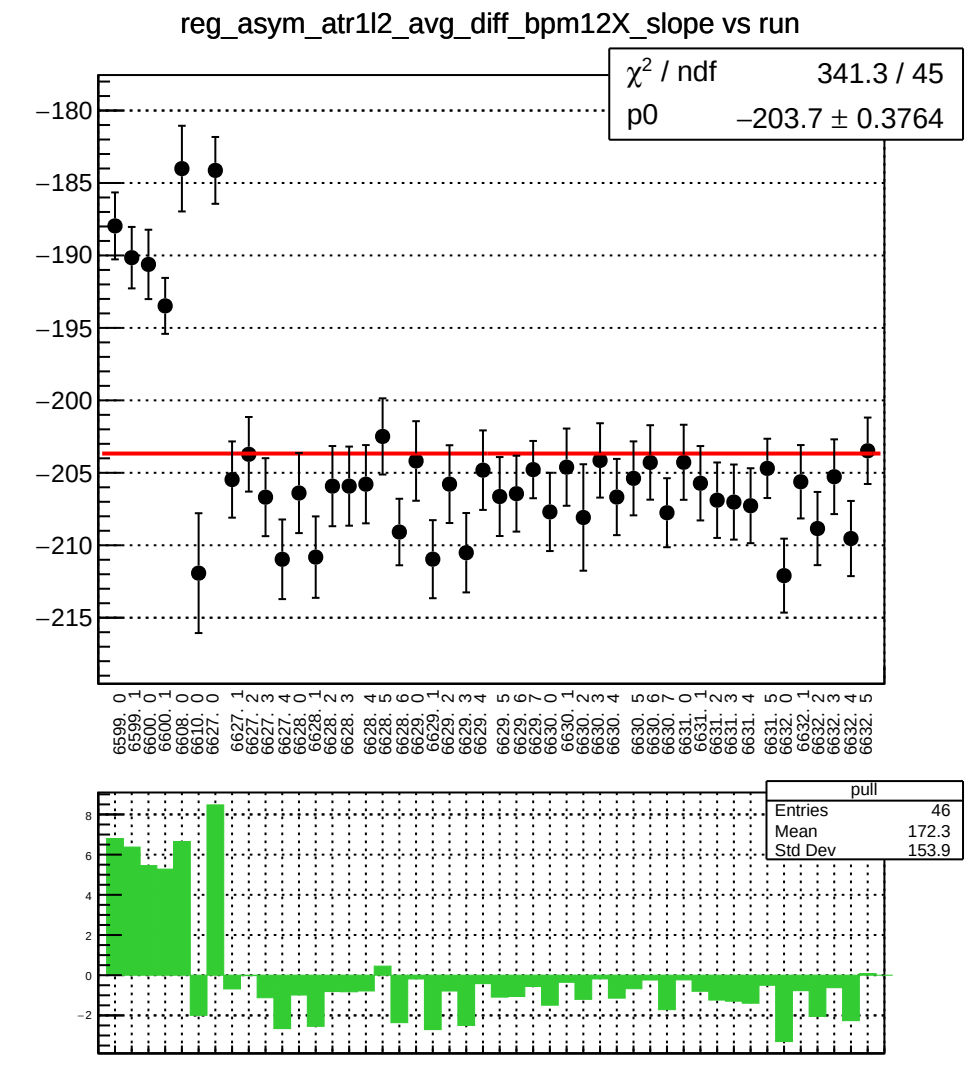

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.518 / 45
p0 8.42 ± 5.527
pull
Entries 46
Mean −27.33
Std Dev 49.42
pull1D
Entries 46
Mean −0.01077
Std Dev 0.4041

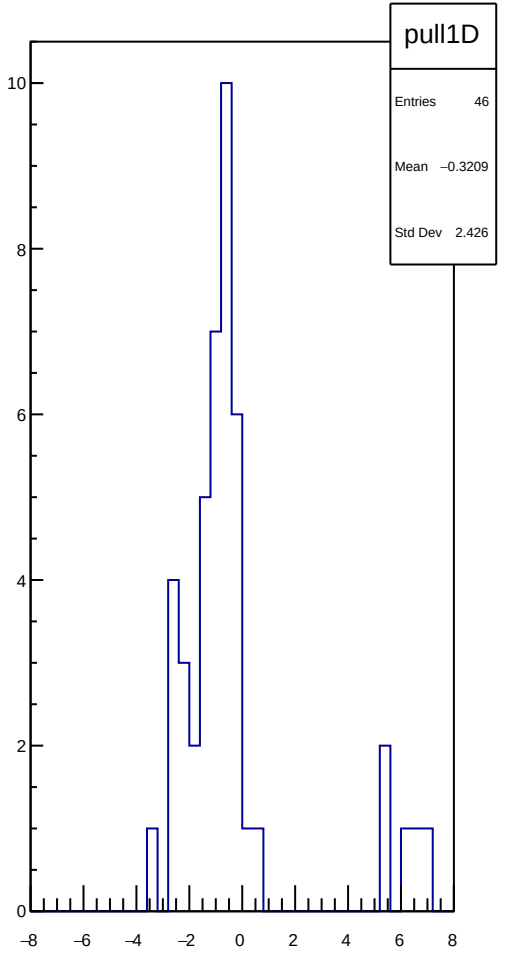

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.17 / 45
p0 303.7 ± 9.361
pull
Entries 46
Mean 320.5
Std Dev 293.7

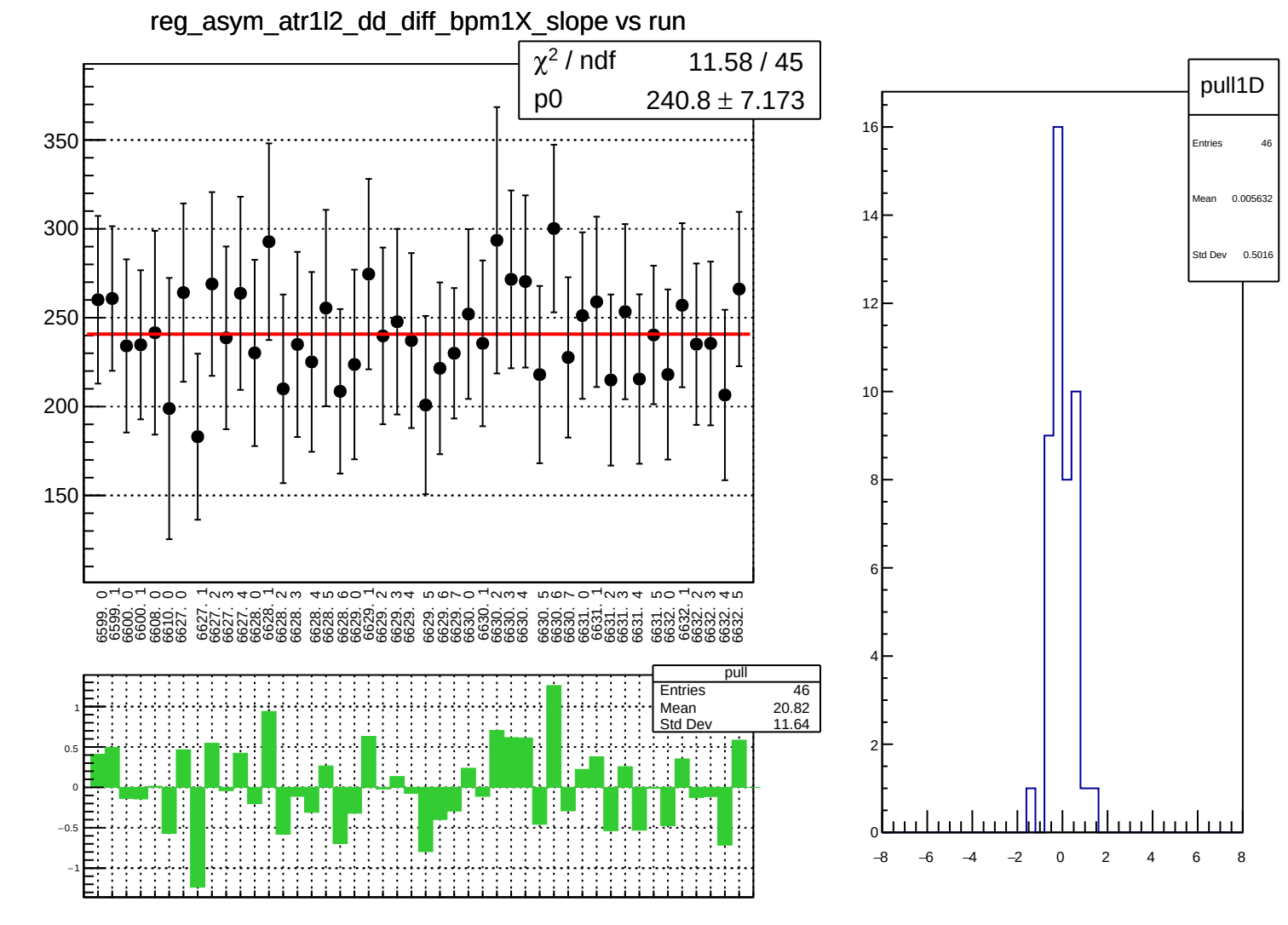

pull1D
Entries 46
Mean 0.005214
Std Dev 0.4927

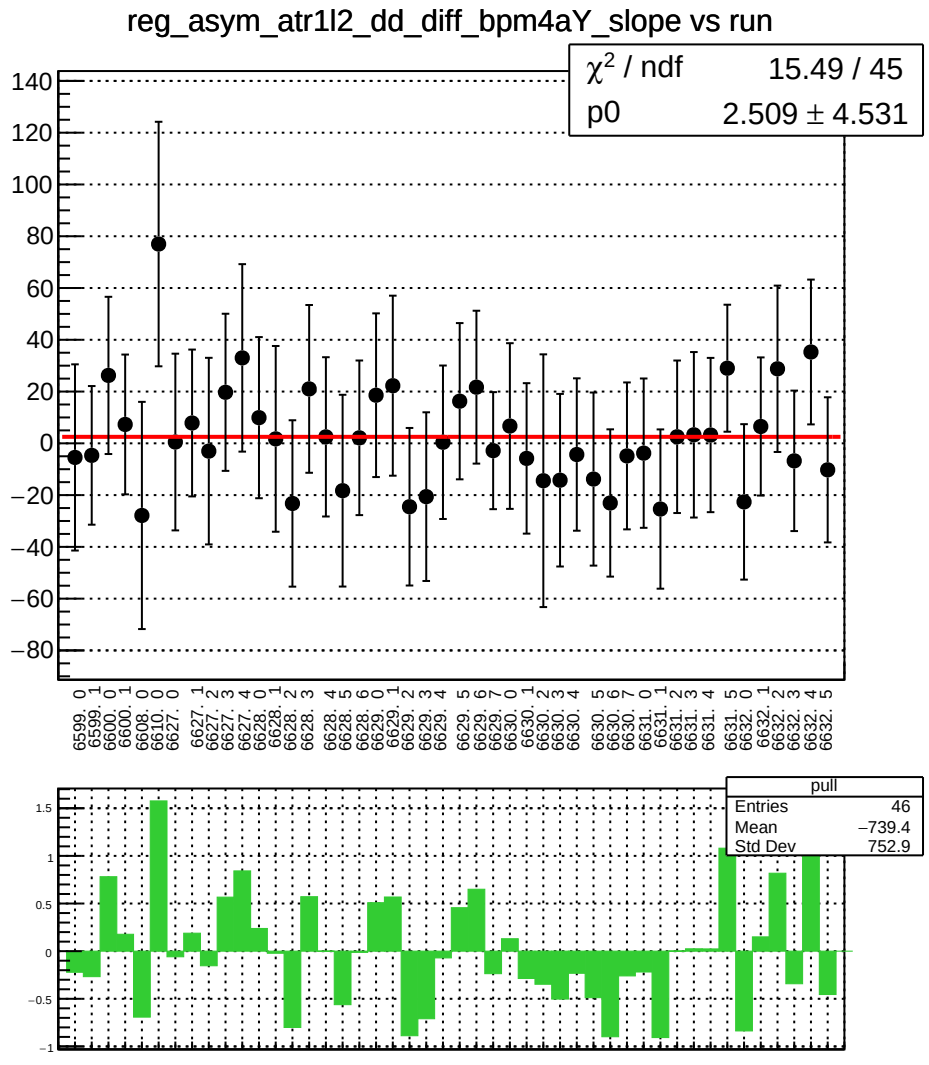

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.722 / 45
p0 84.84 ± 6.696
pull
Entries 46
Mean 20.15
Std Dev 16.17

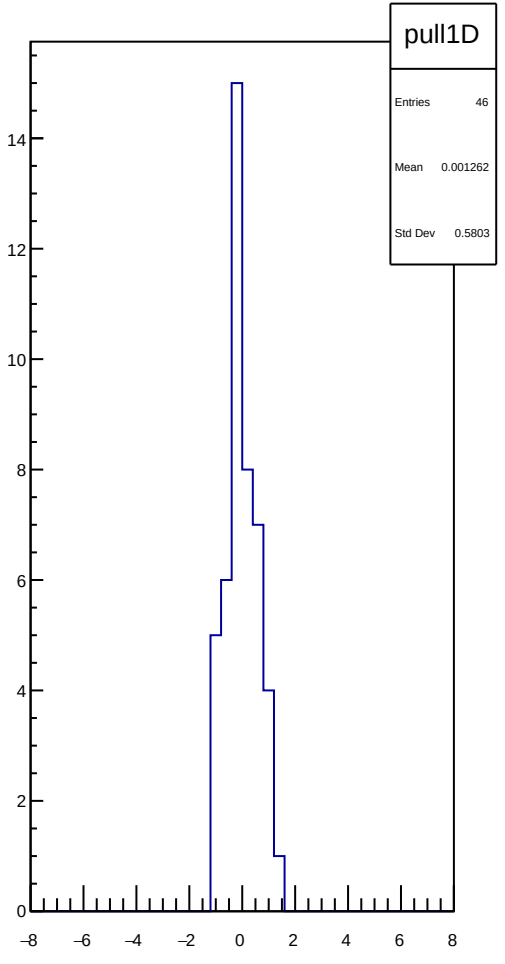

pull1D
Entries 46
Mean 0.01263
Std Dev 0.4095

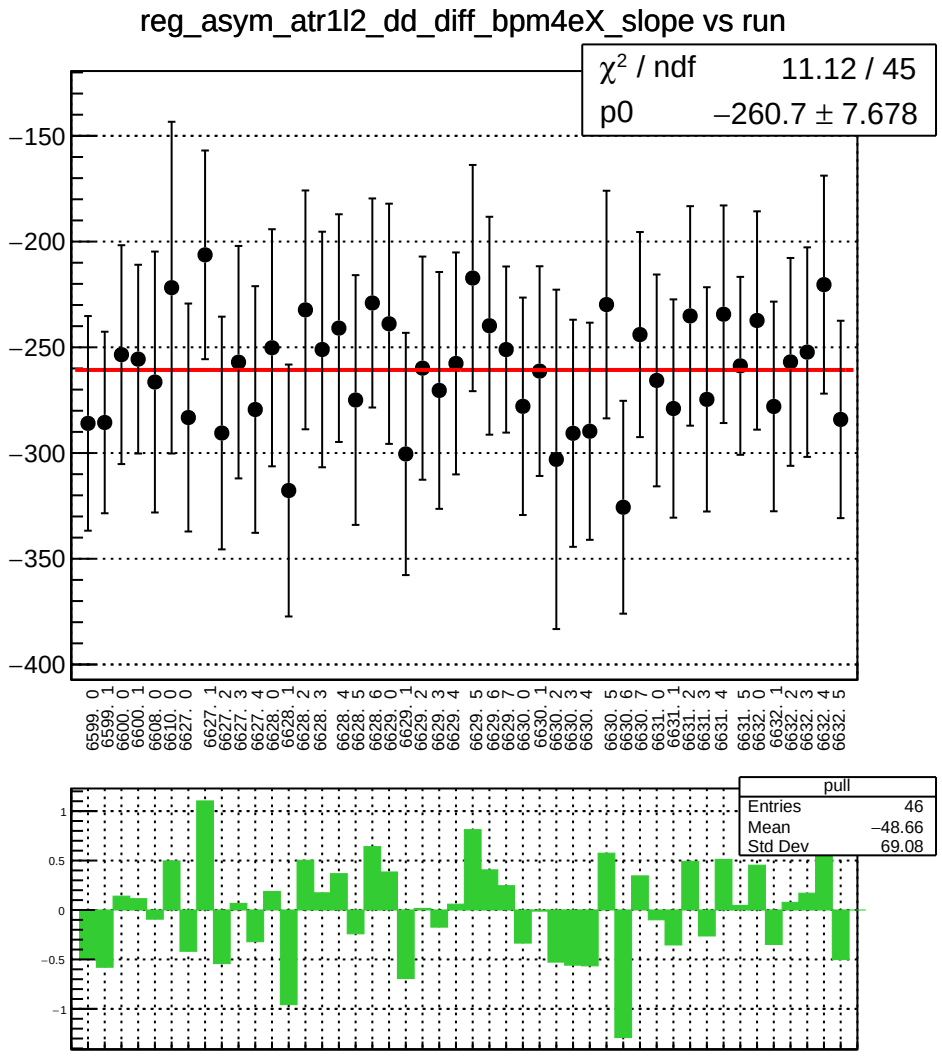

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 341.3 / 45
p0 −203.7 ± 0.3764
pull
Entries 46
Mean 172.3
Std Dev 153.9

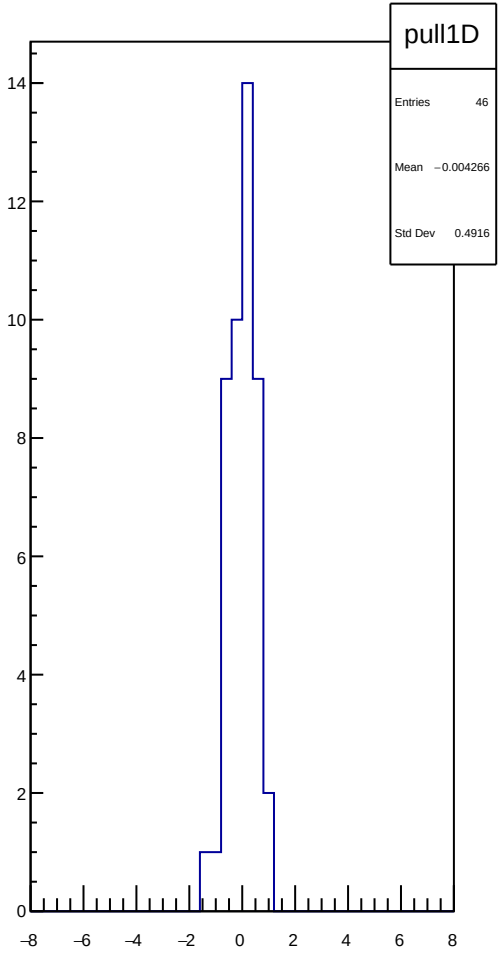

pull1D
Entries 46
Mean −0.3209
Std Dev 2.426

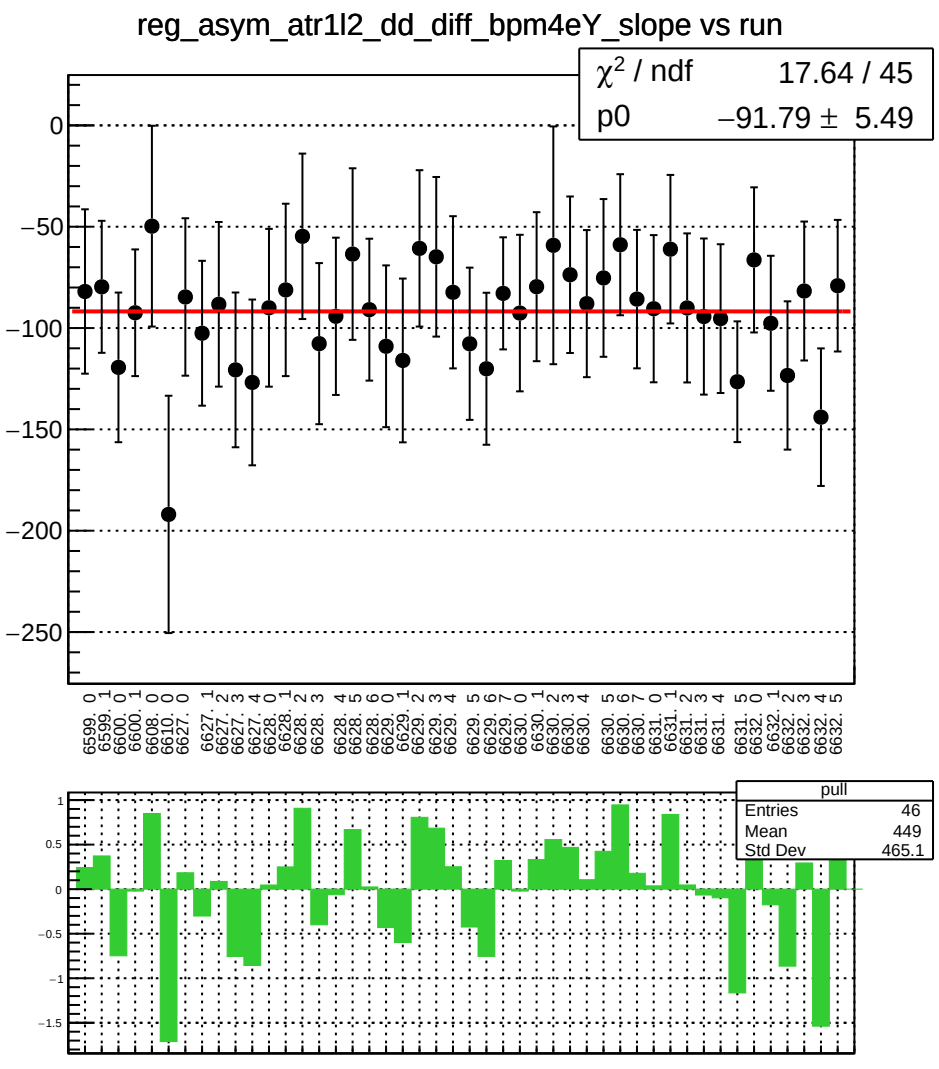

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 11.58 / 45
p0 240.8 ± 7.173
350
300
250
200
150
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 20.82
Std Dev 11.64
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.005632
Std Dev 0.5016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

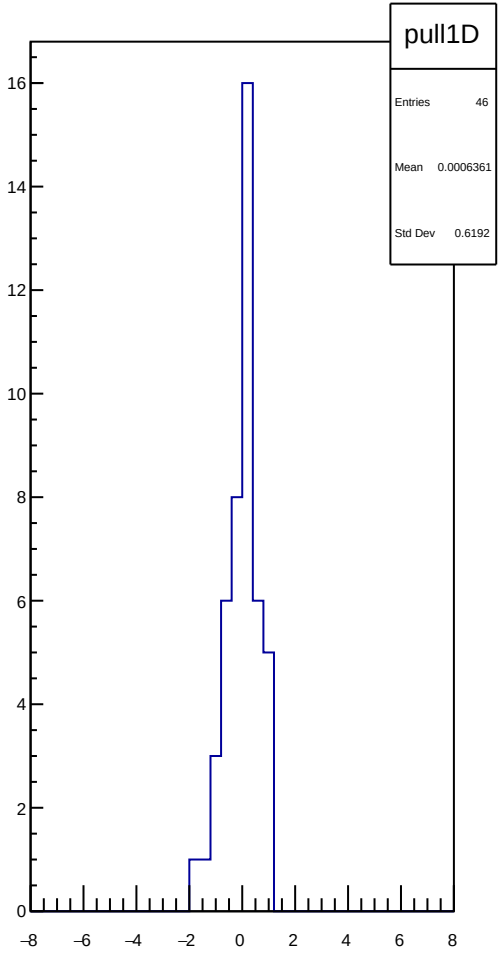

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.49 / 45
p0 2.509 ± 4.531
pull
Entries 46
Mean −739.4
Std Dev 752.9

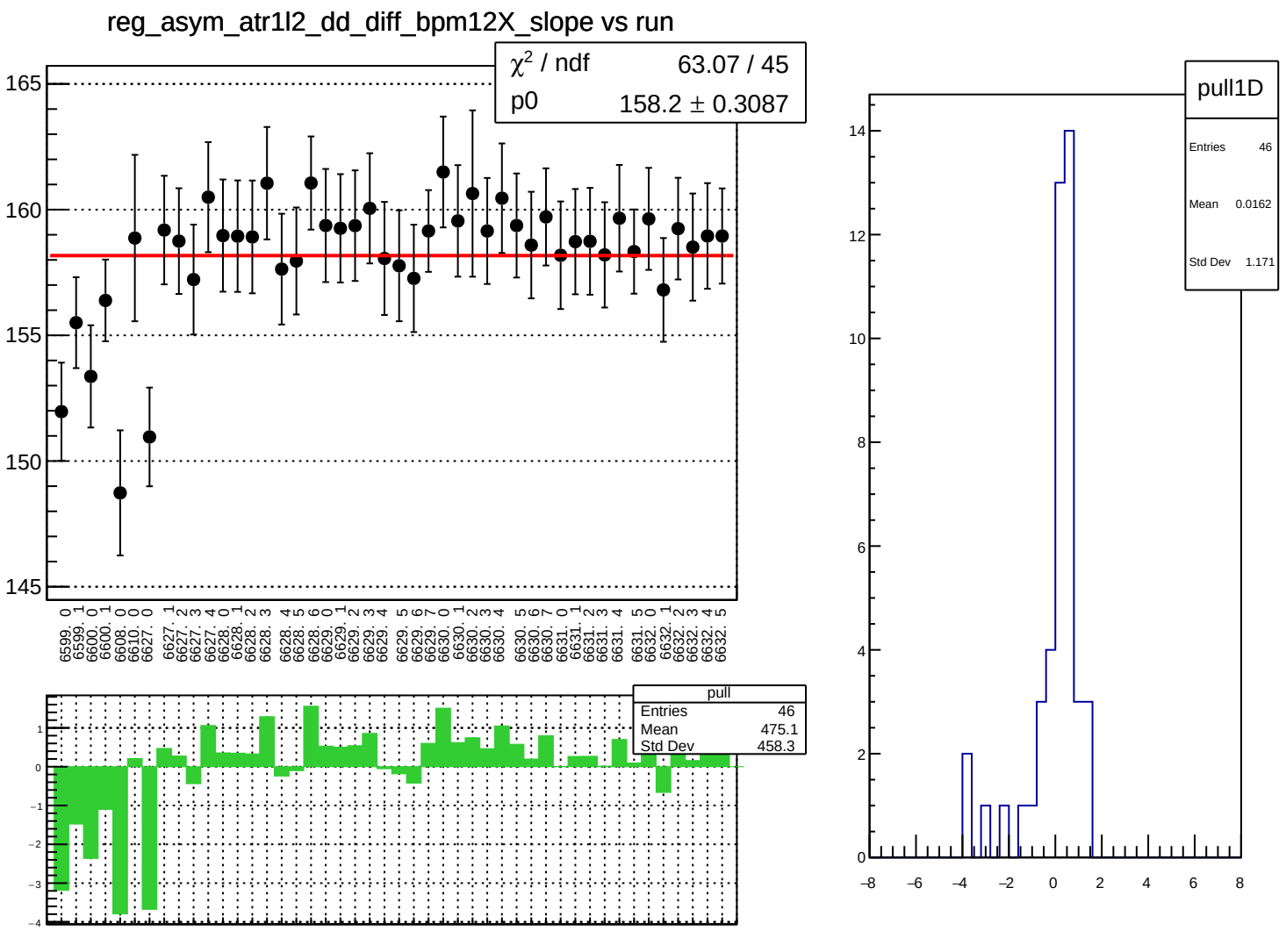

pull1D
Entries 46
Mean 0.001262
Std Dev 0.5803

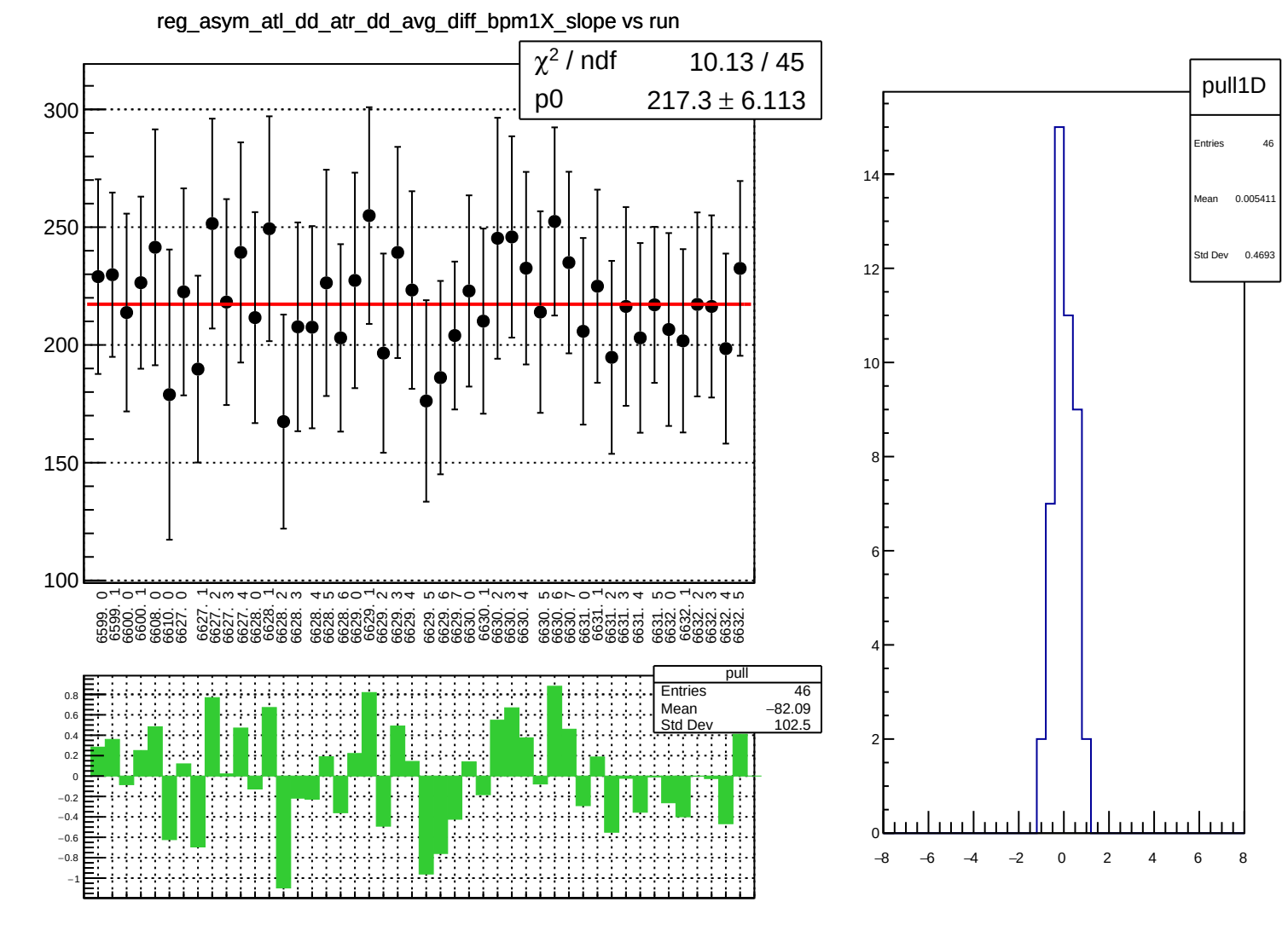

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.12 / 45
p0 −260.7 ± 7.678
−150
−200
−250
−300
−350
−400
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −48.66
Std Dev 69.08
1
0.5
0
−0.5
−1

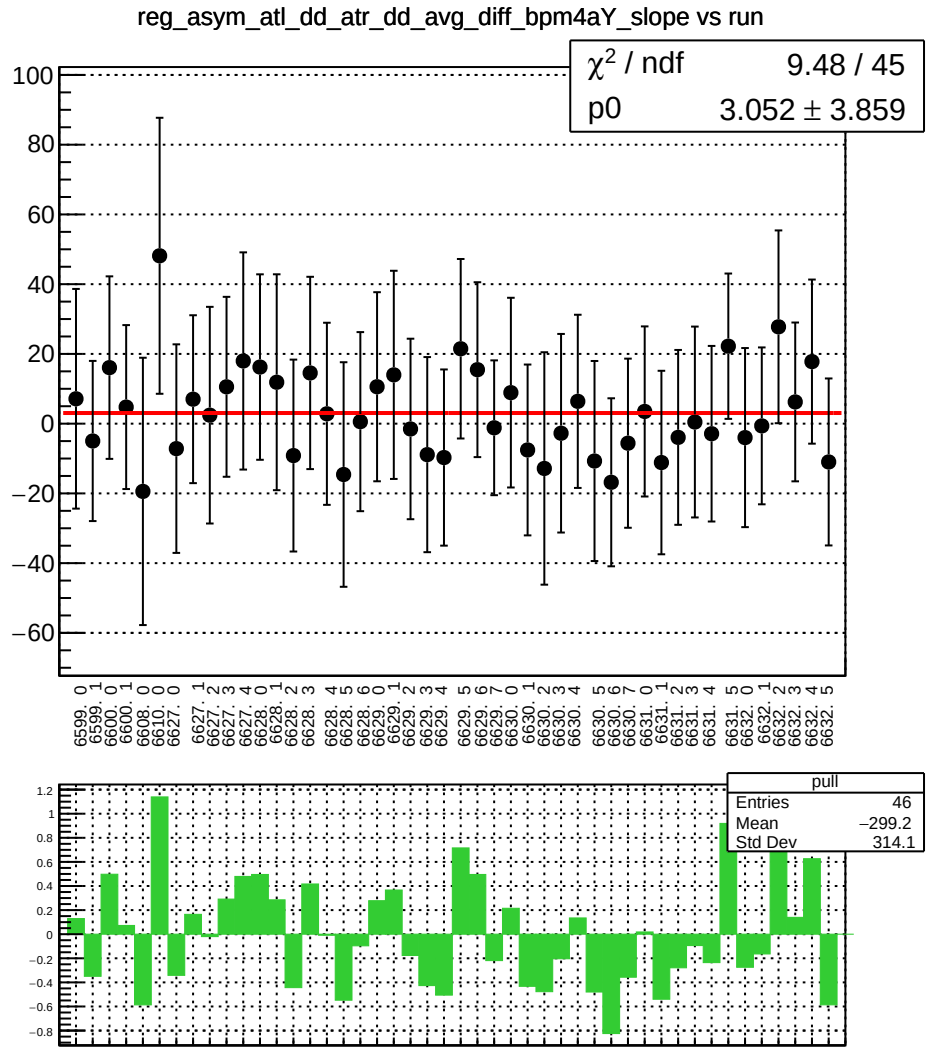

pull1D
Entries 46
Mean −0.004266
Std Dev 0.4916
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

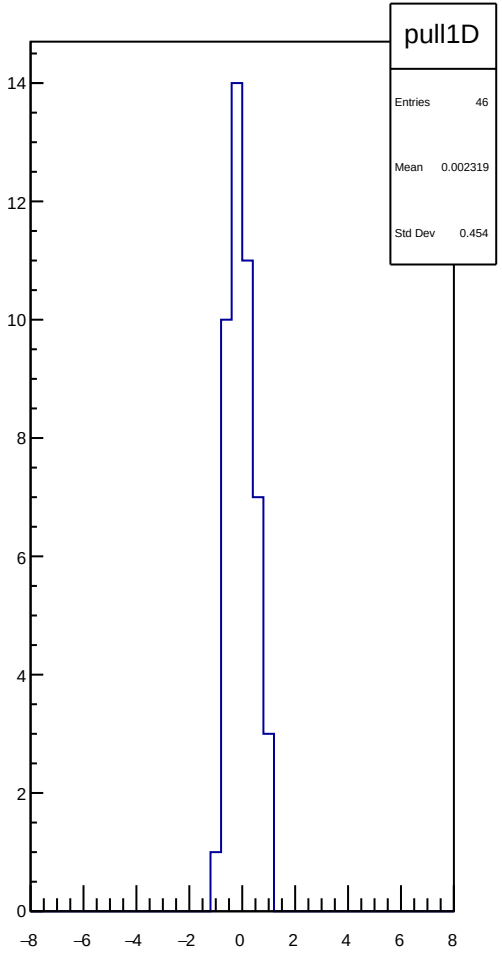

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.64 / 45
p0 −91.79 ± 5.49
0
−50
−100
−150
−200
−250
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 449
Std Dev 465.1
1
0.5
0
−0.5
−1
−1.5

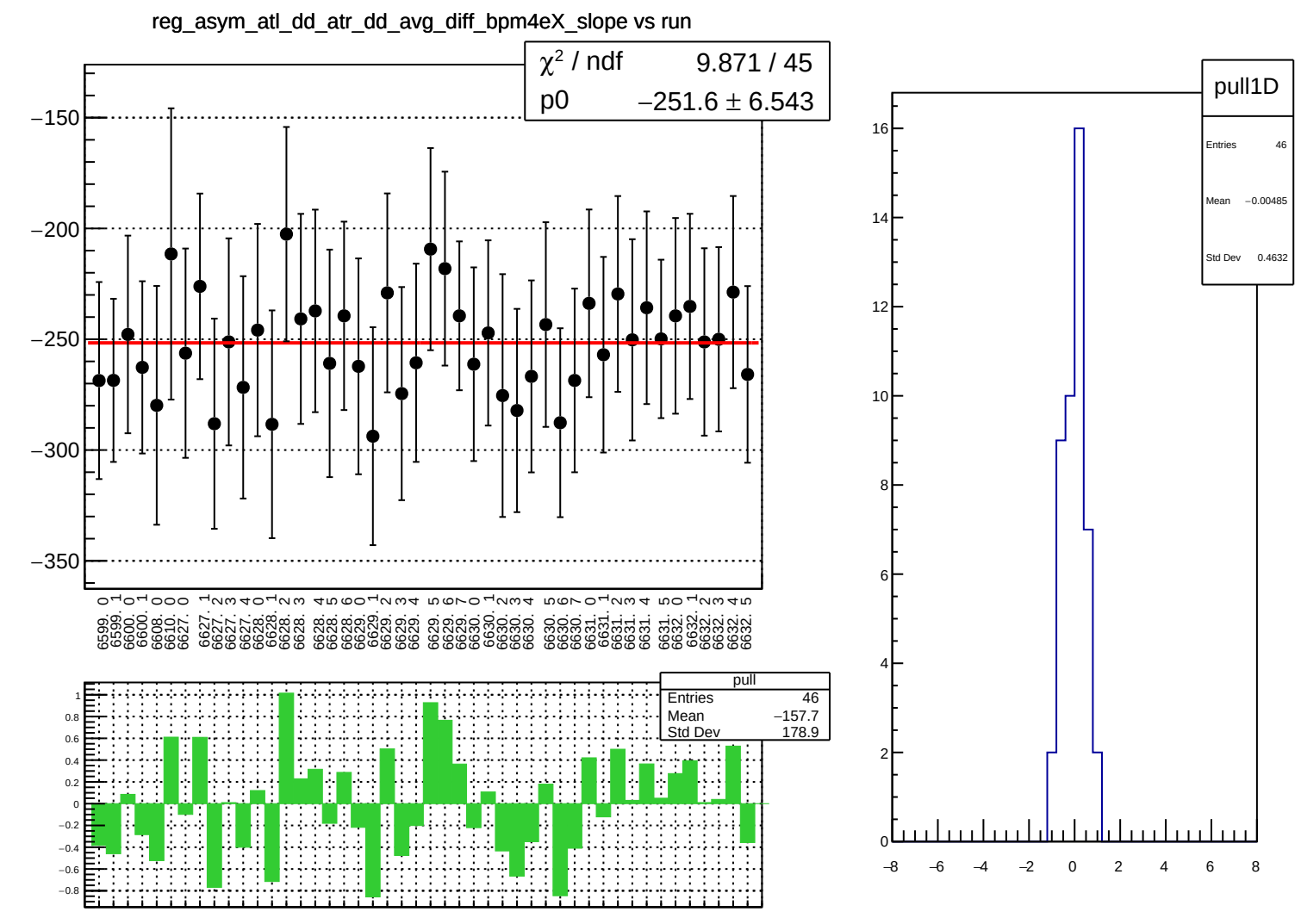

pull1D
Entries 46
Mean 0.0006361
Std Dev 0.6192
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

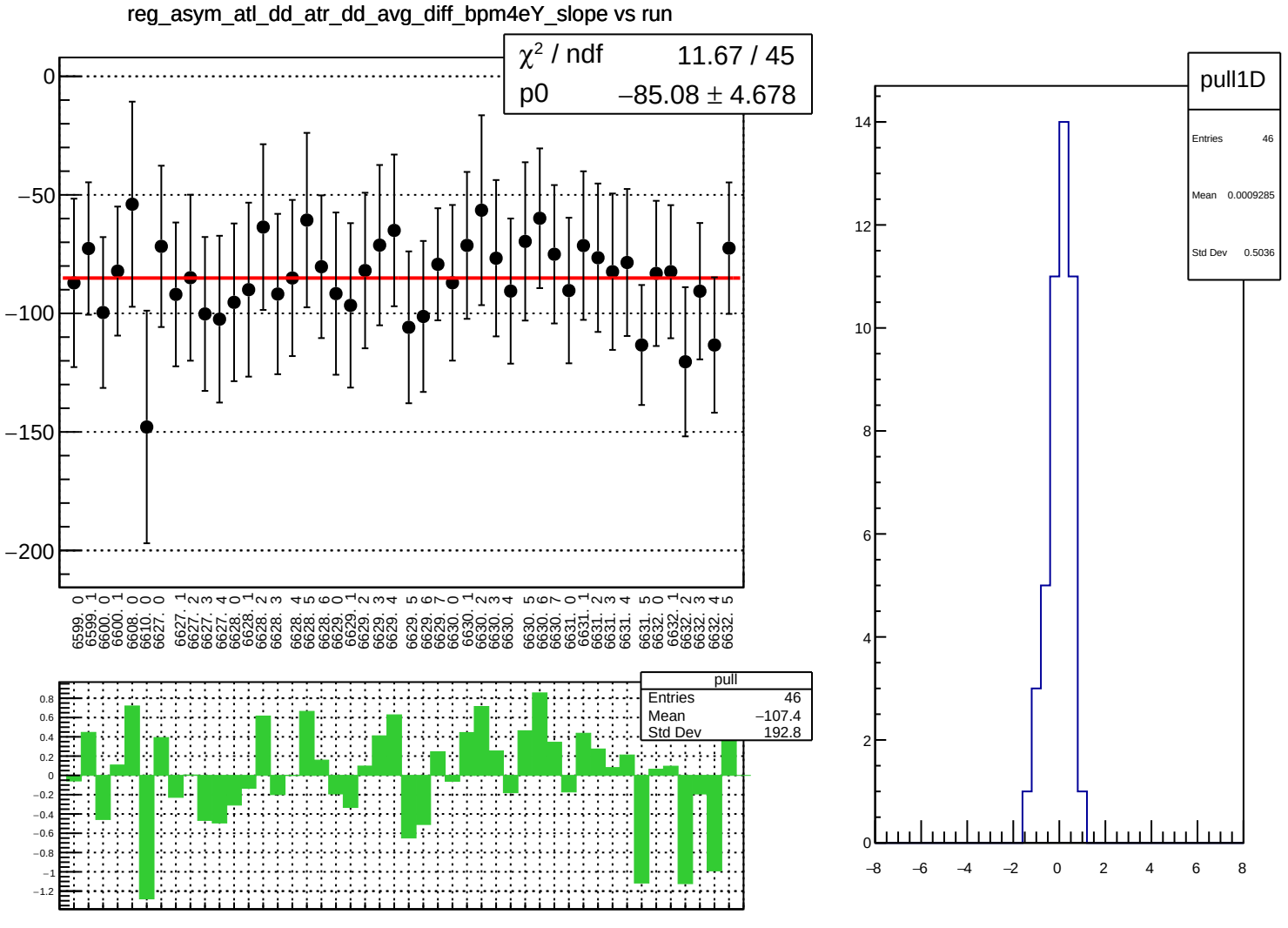

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 63.07 / 45
p0 158.2 ± 0.3087
165
160
155
150
145
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 475.1
Std Dev 458.3
1
0
−1
−2
−3
−4
pull1D
Entries 46
Mean 0.0162
Std Dev 1.171
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

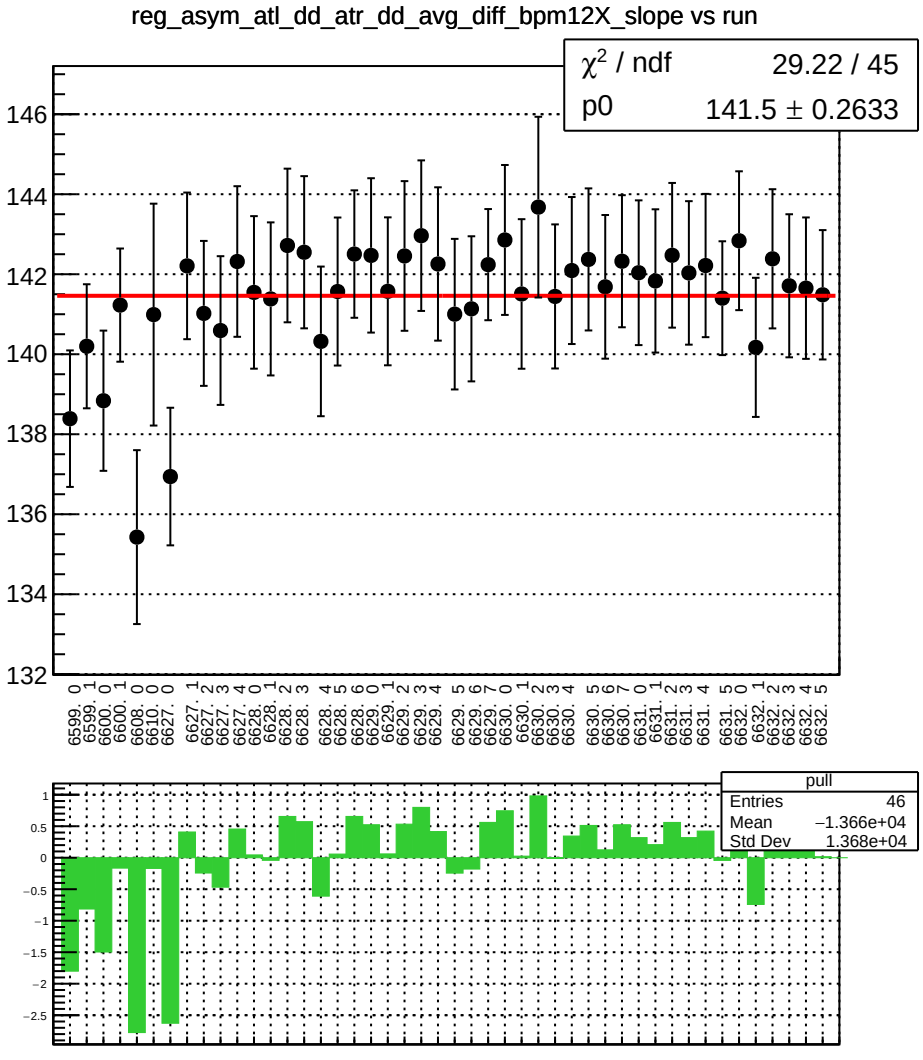

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 10.13 / 45
p0 217.3 ± 6.113
300
250
200
150
100
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −82.09
Std Dev 102.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 46
Mean 0.005411
Std Dev 0.4693
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

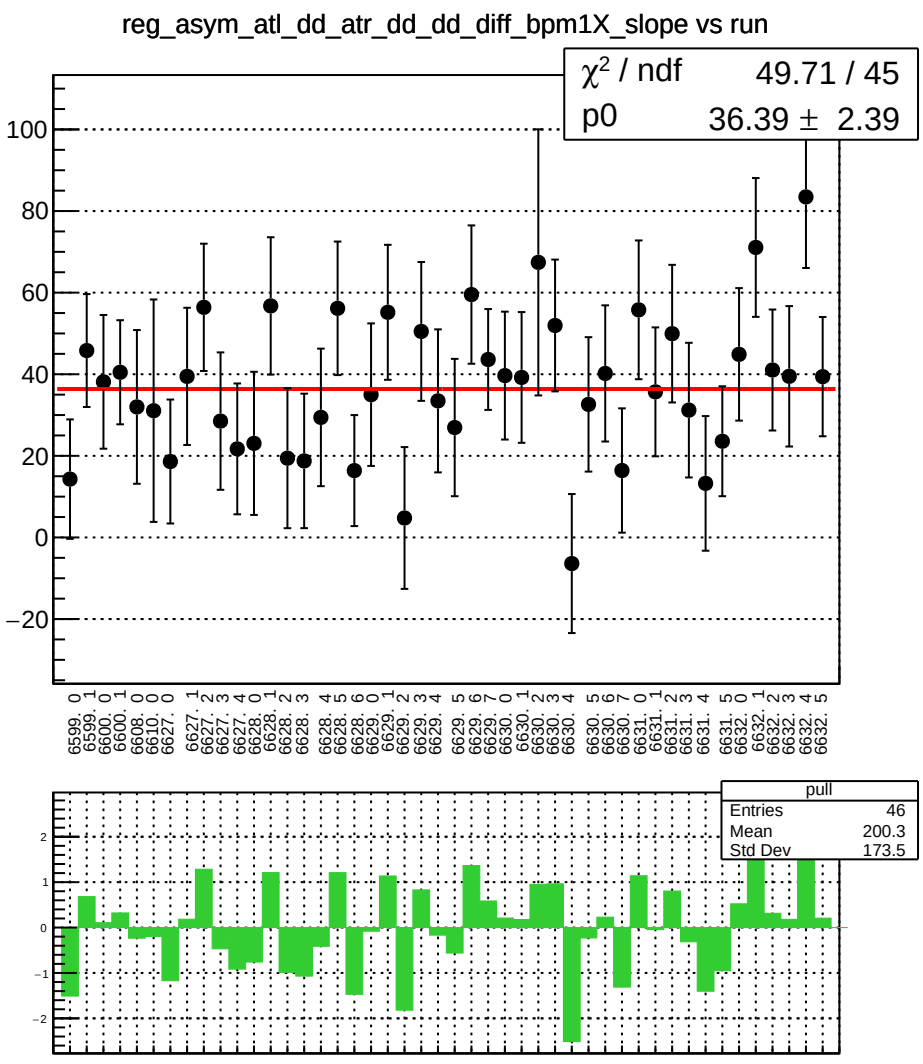

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.48 / 45
p0 3.052 ± 3.859
pull
Entries 46
Mean −299.2
Std Dev 314.1

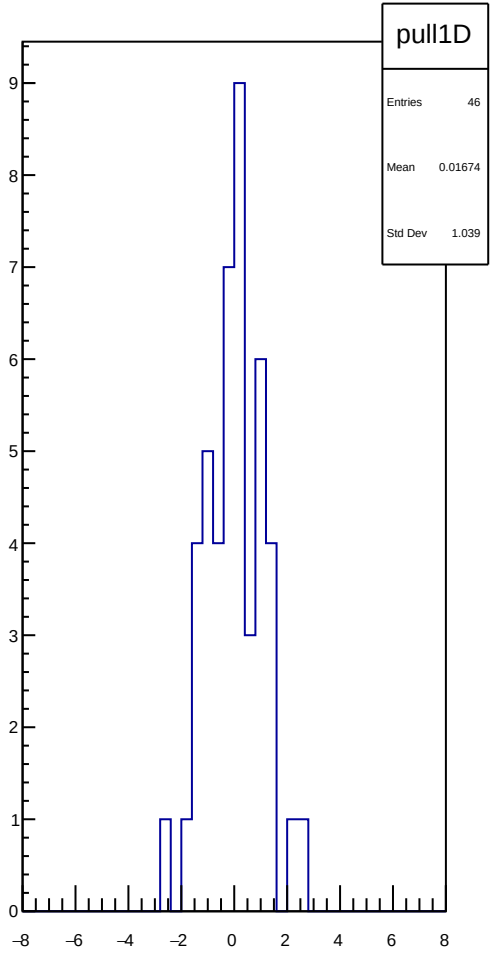

pull1D
Entries 46
Mean 0.002319
Std Dev 0.454

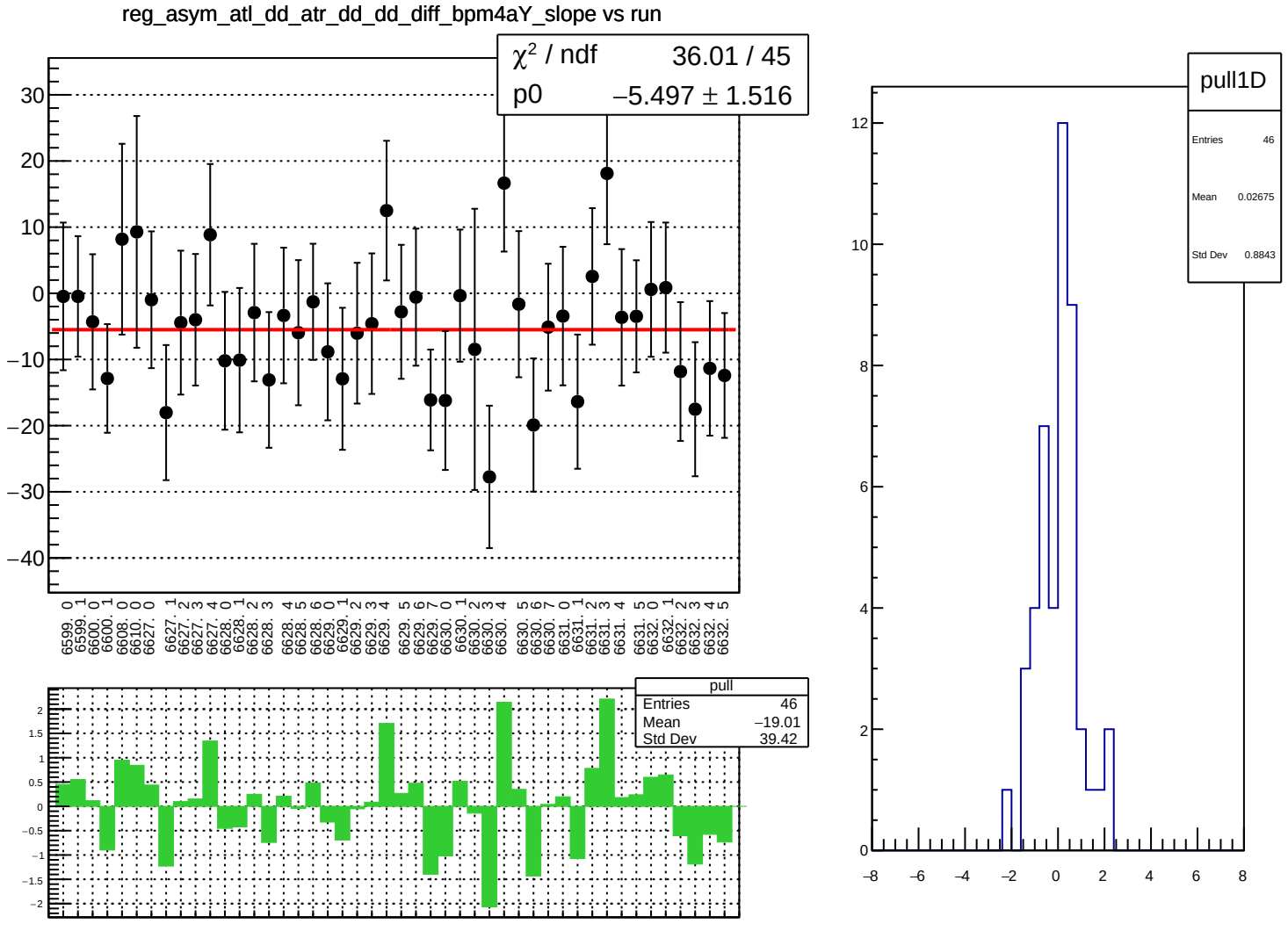

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.871 / 45
p0 −251.6 ± 6.543
−150
−200
−250
−300
−350
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −157.7
Std Dev 178.9
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 46
Mean −0.00485
Std Dev 0.4632
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

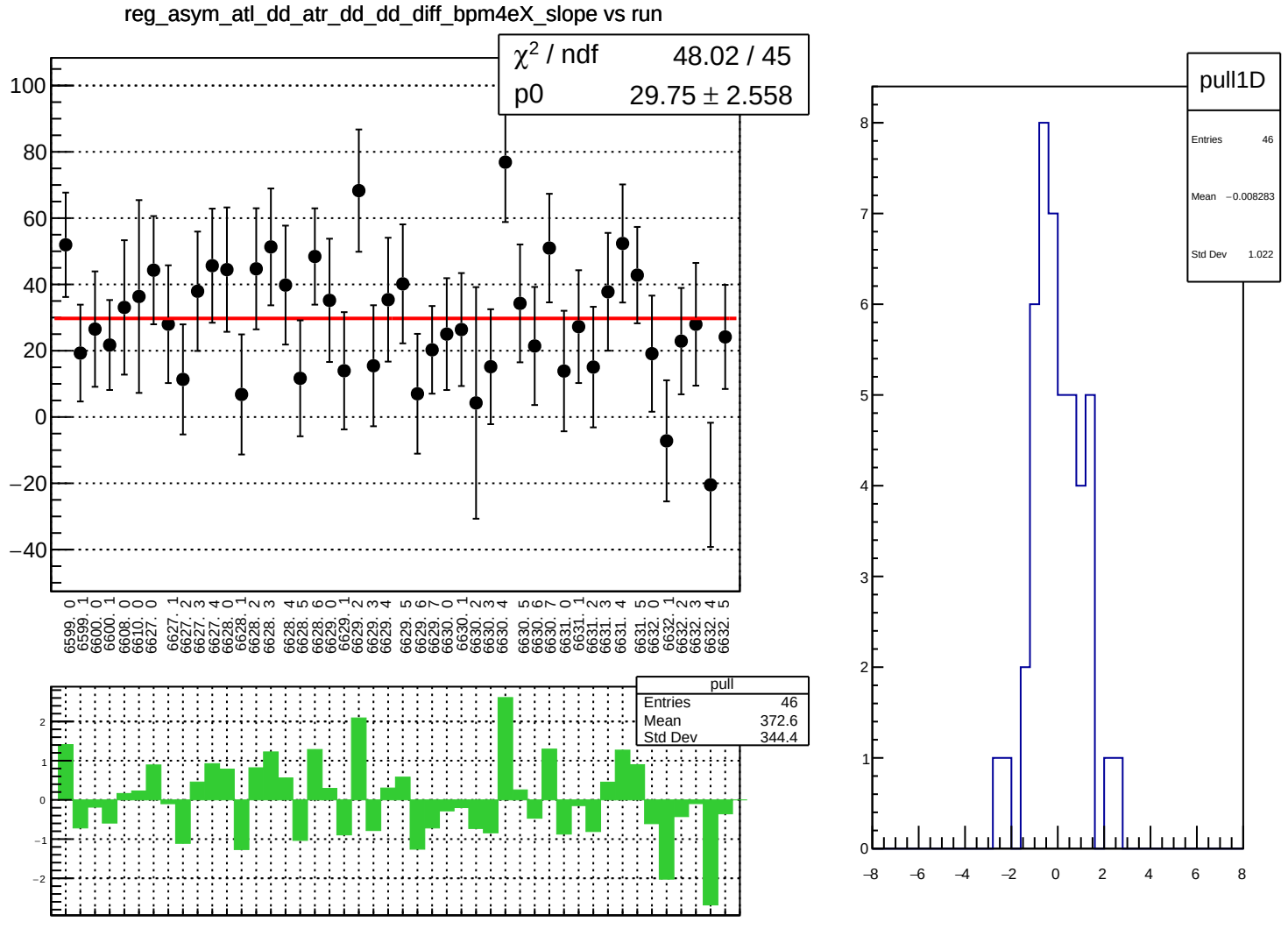

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.67 / 45
p0 −85.08 ± 4.678
0
−50
−100
−150
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −107.4
Std Dev 192.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 46
Mean 0.0009285
Std Dev 0.5036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

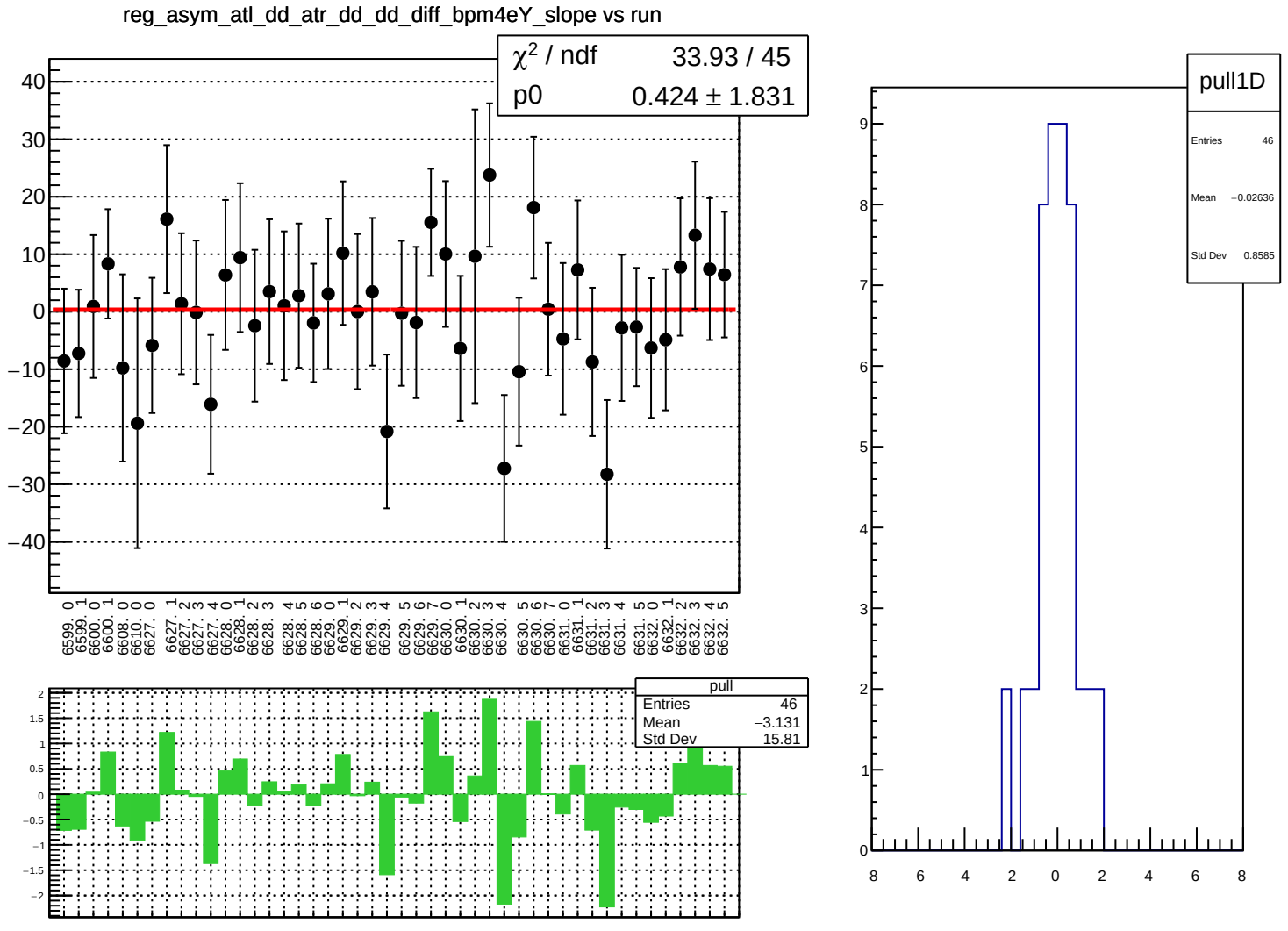

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 29.22 / 45
p0 141.5 ± 0.2633
146
144
142
140
138
136
134
132
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −1.366e+04
Std Dev 1.368e+04
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.0003726
Std Dev 0.797
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

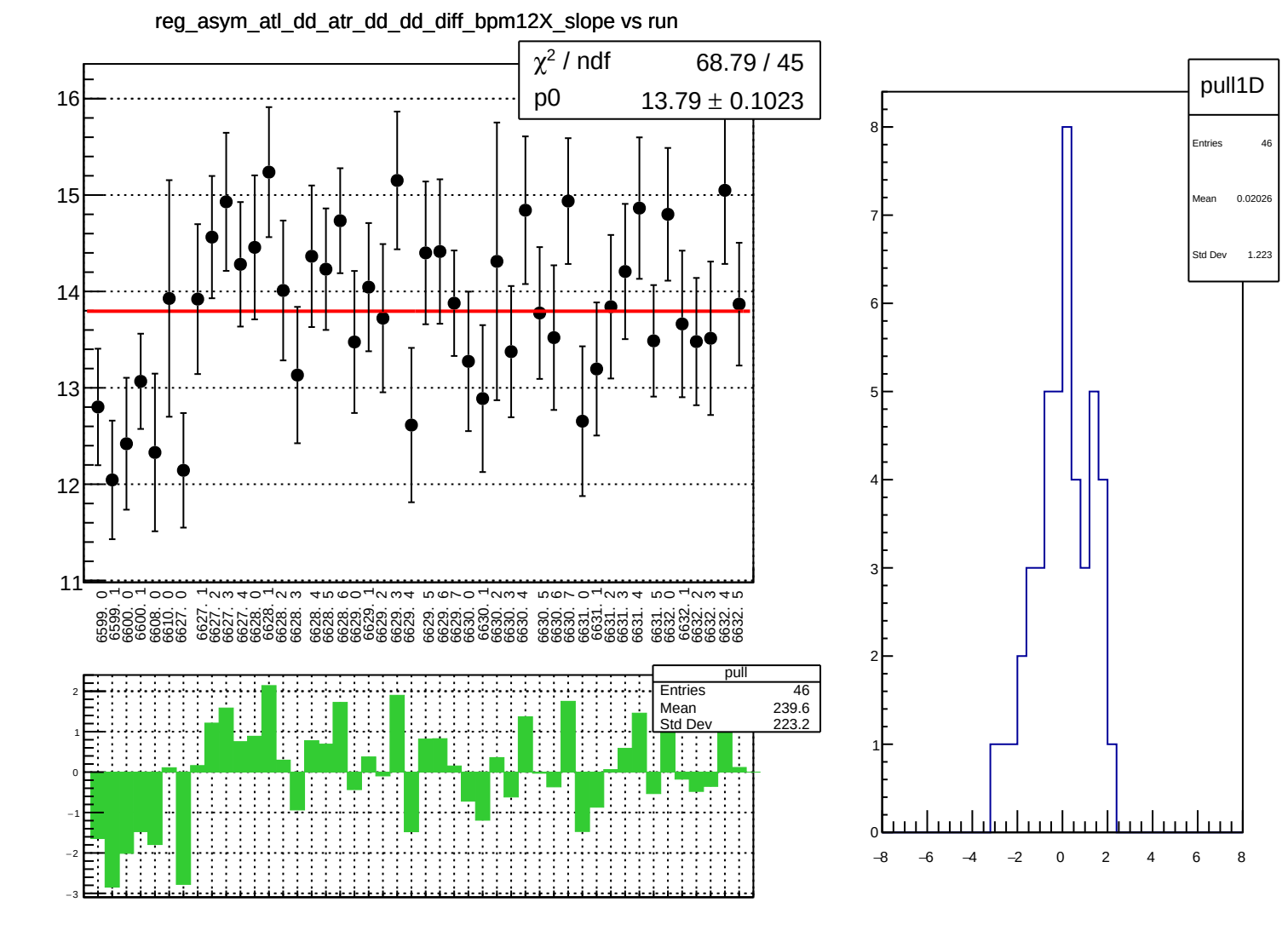

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 49.71 / 45
p0 36.39 ± 2.39
100
80
60
40
20
0
−20
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 200.3
Std Dev 173.5
2
1
0
−1
−2

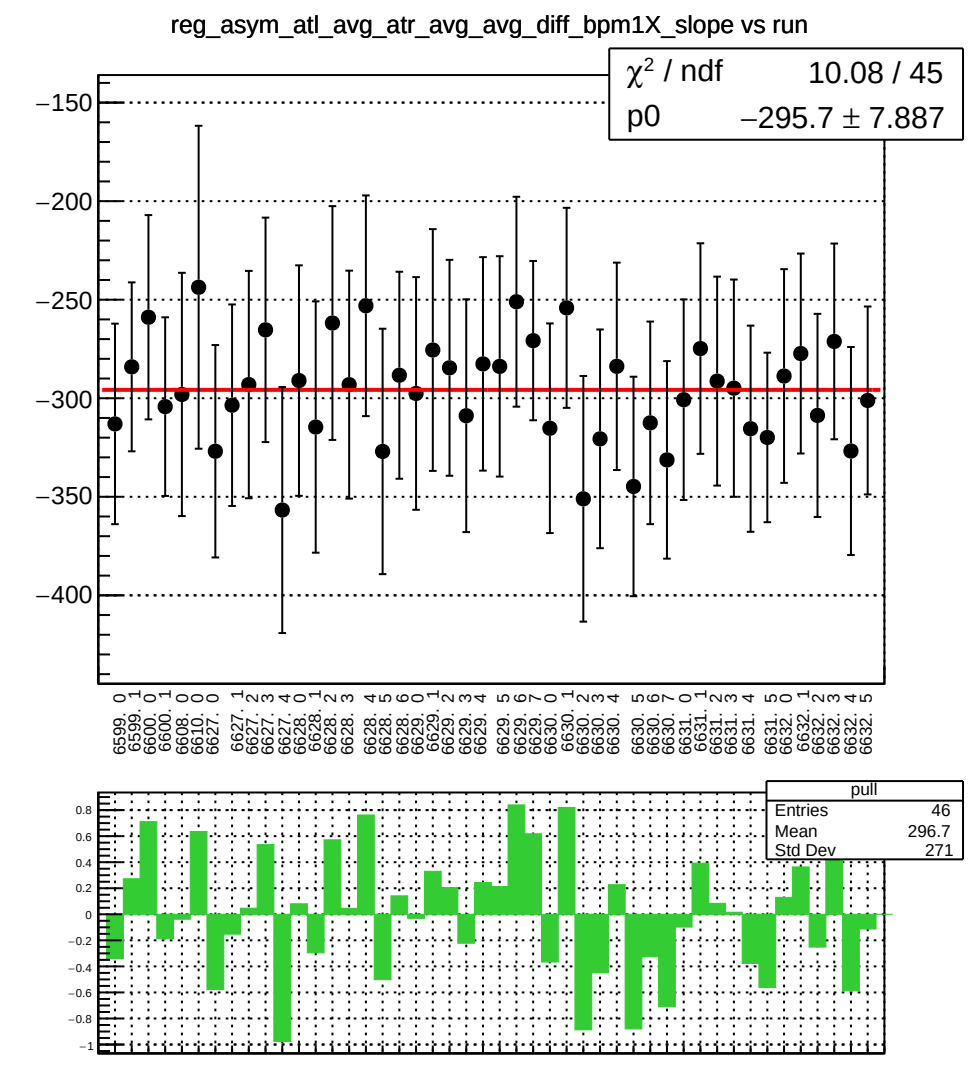

pull1D
Entries 46
Mean 0.01674
Std Dev 1.039
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

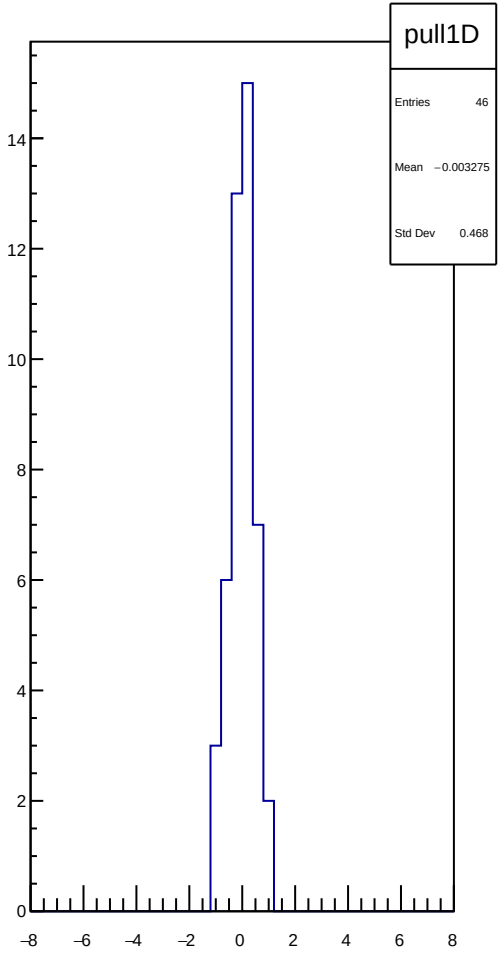

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.01 / 45
p0 −5.497 ± 1.516
pull
Entries 46
Mean −19.01
Std Dev 39.42
pull1D
Entries 46
Mean 0.02675
Std Dev 0.8843

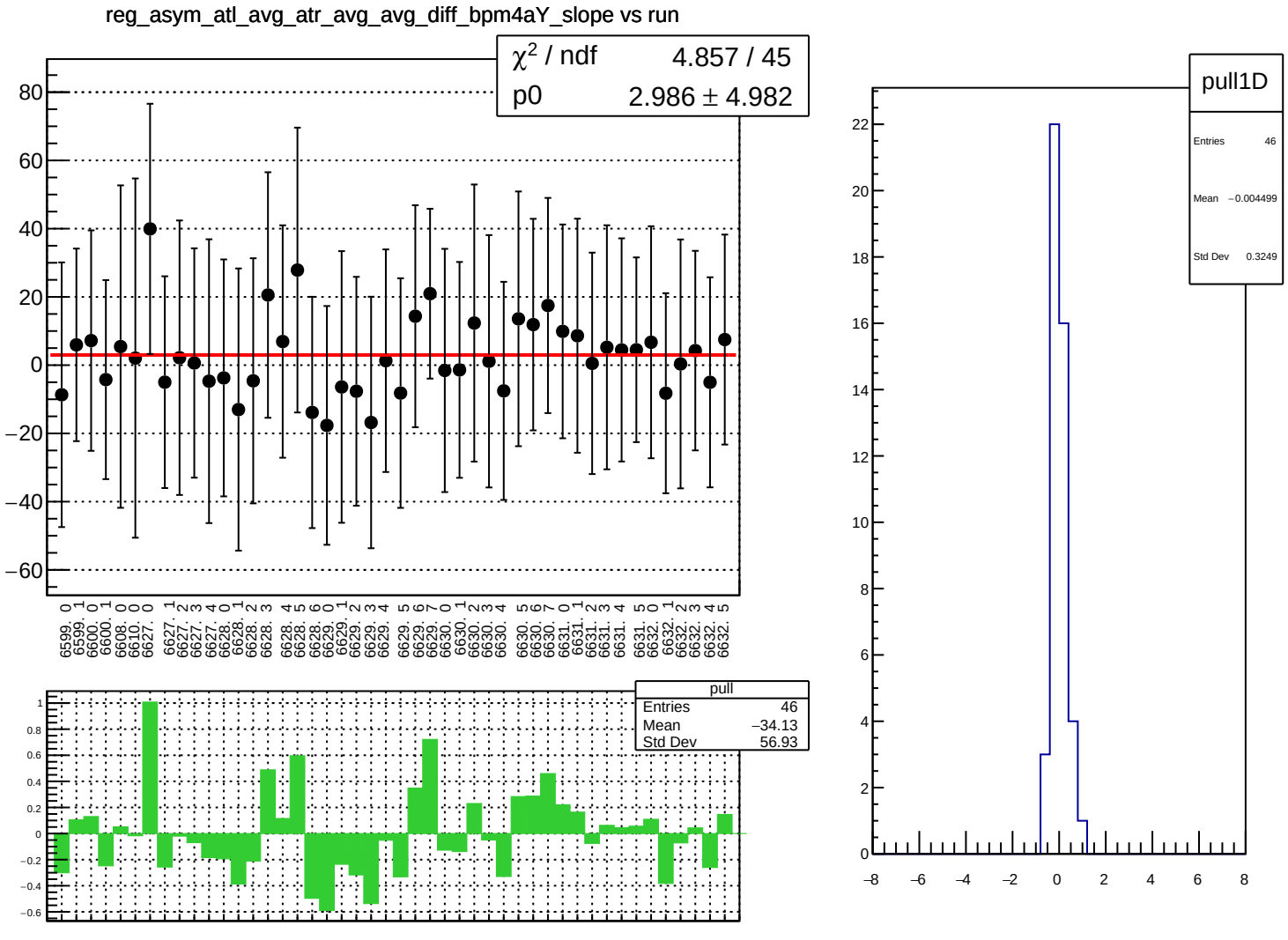

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.02 / 45
p0 29.75 ± 2.558
pull
Entries 46
Mean 372.6
Std Dev 344.4
pull1D
Entries 46
Mean −0.008283
Std Dev 1.022

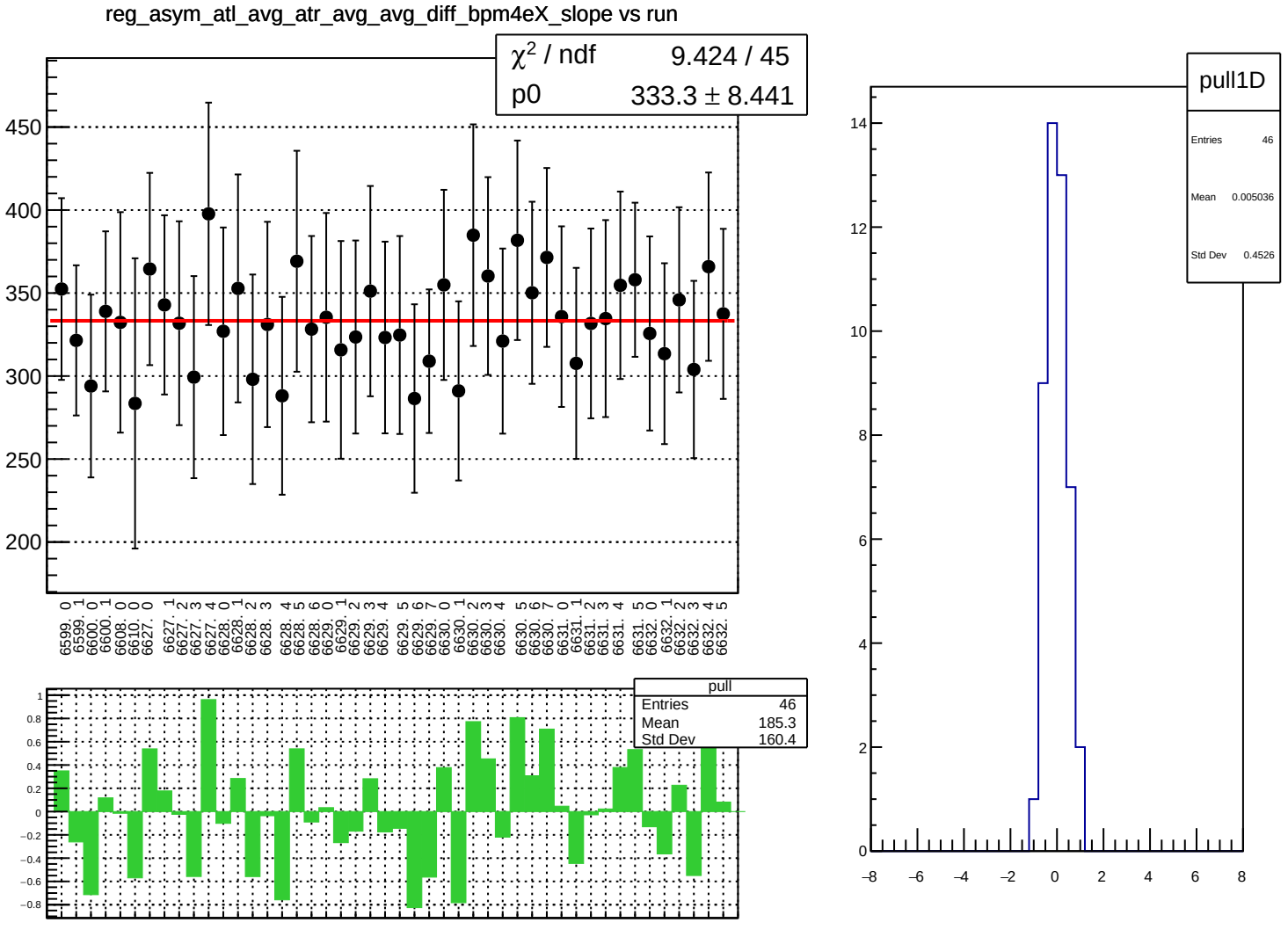

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.93 / 45
p0 0.424 ± 1.831
pull
Entries 46
Mean −3.131
Std Dev 15.81
pull1D
Entries 46
Mean −0.02636
Std Dev 0.8585

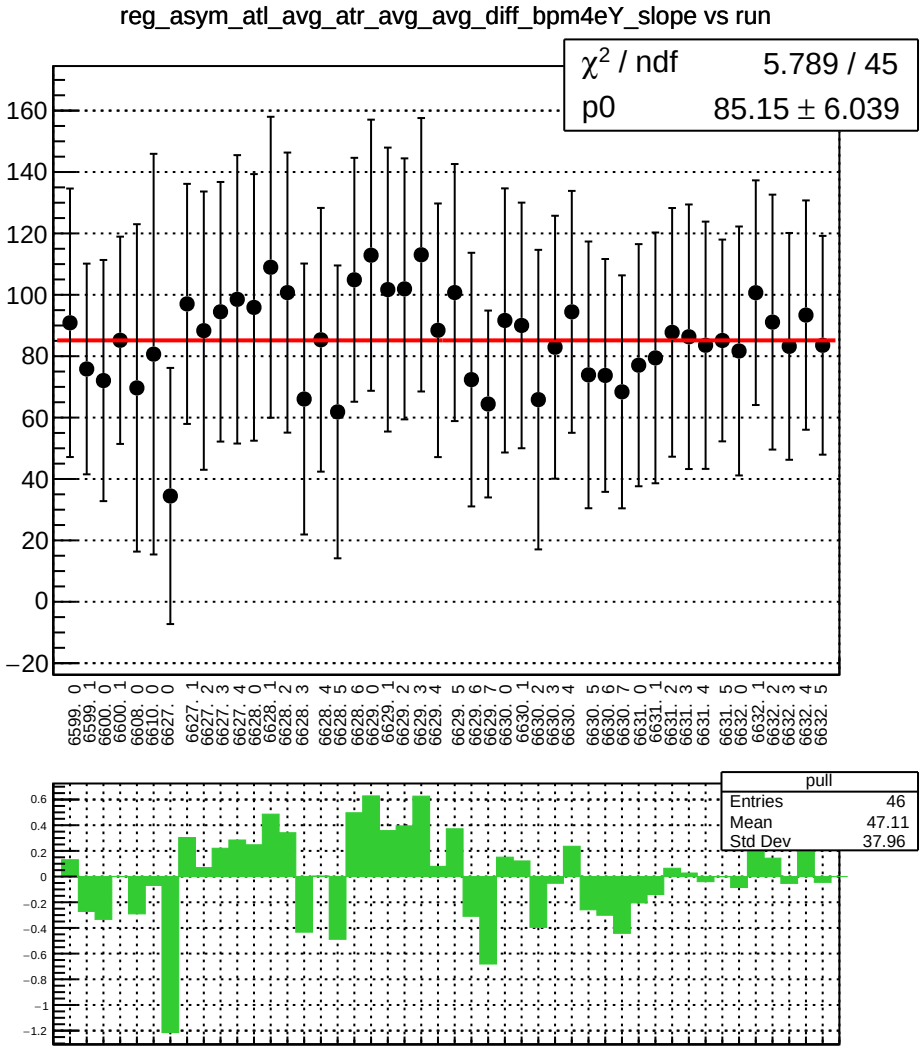

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 68.79 / 45
p0 13.79 ± 0.1023
pull
Entries 46
Mean 239.6
Std Dev 223.2
pull1D
Entries 46
Mean 0.02026
Std Dev 1.223

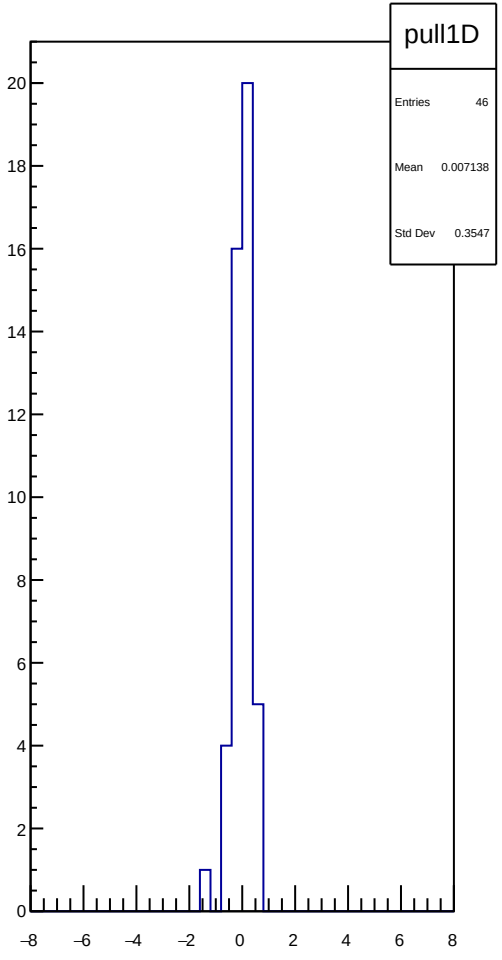

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 10.08 / 45
p0 −295.7 ± 7.887
pull
Entries 46
Mean 296.7
Std Dev 271

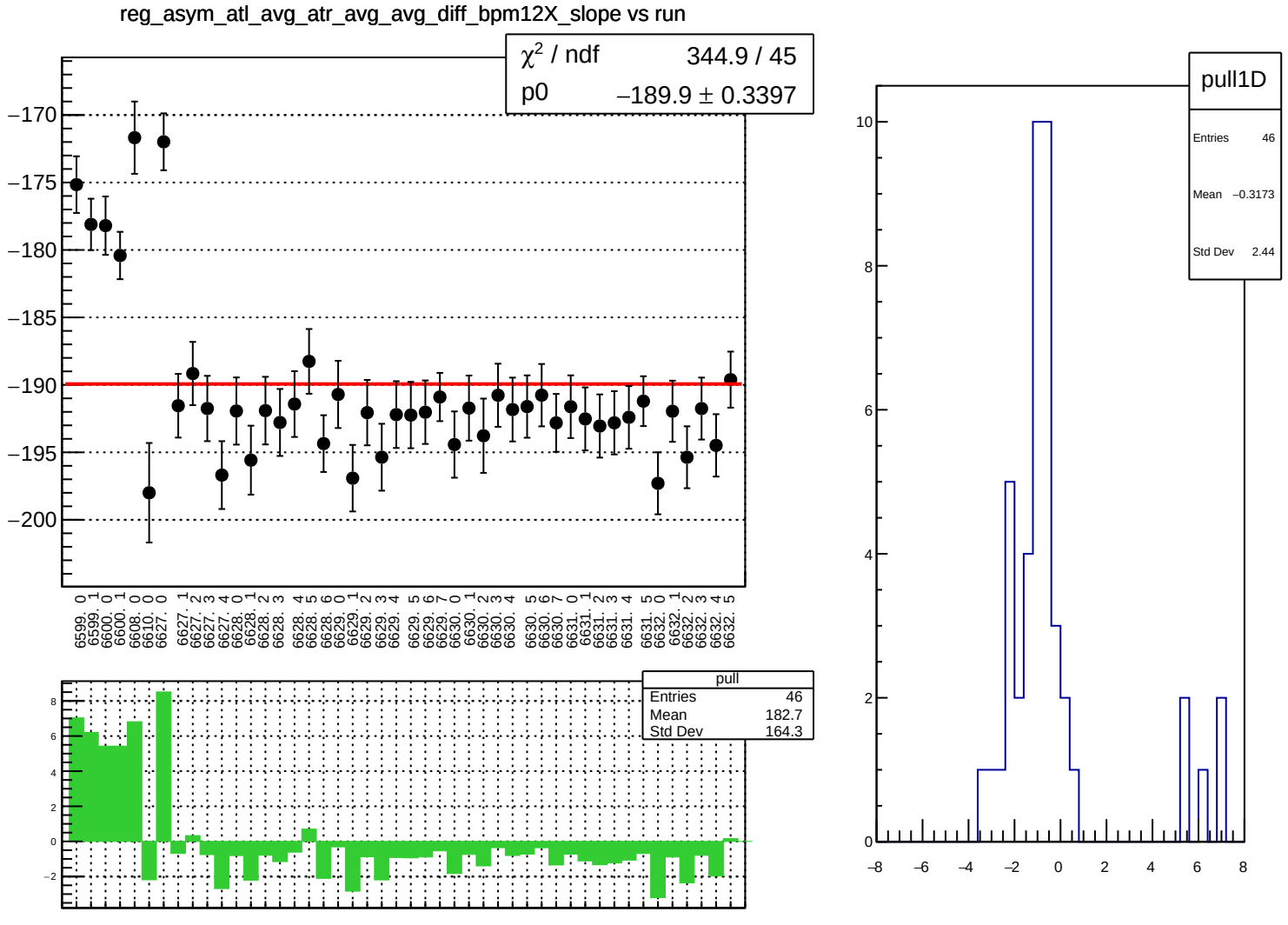

pull1D
Entries 46
Mean −0.003275
Std Dev 0.468

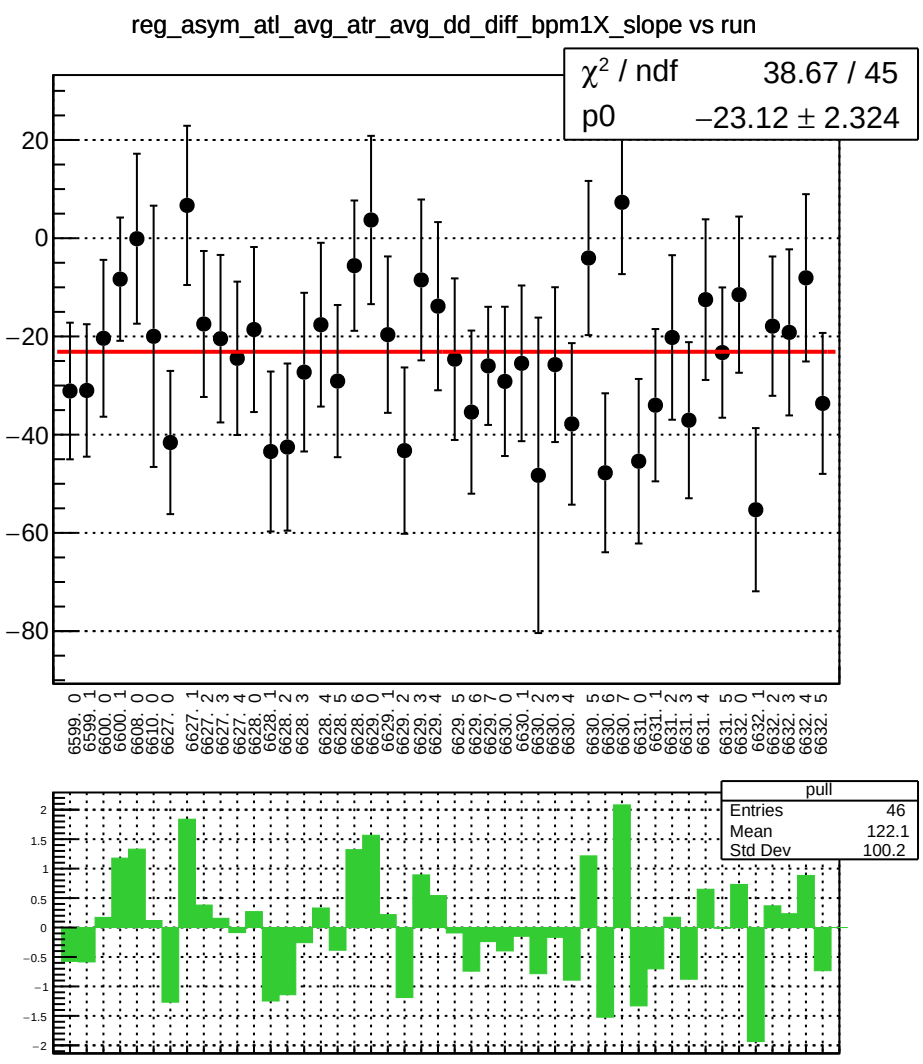

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.857 / 45
p0 2.986 ± 4.982
pull
Entries 46
Mean −34.13
Std Dev 56.93
pull1D
Entries 46
Mean −0.004499
Std Dev 0.3249

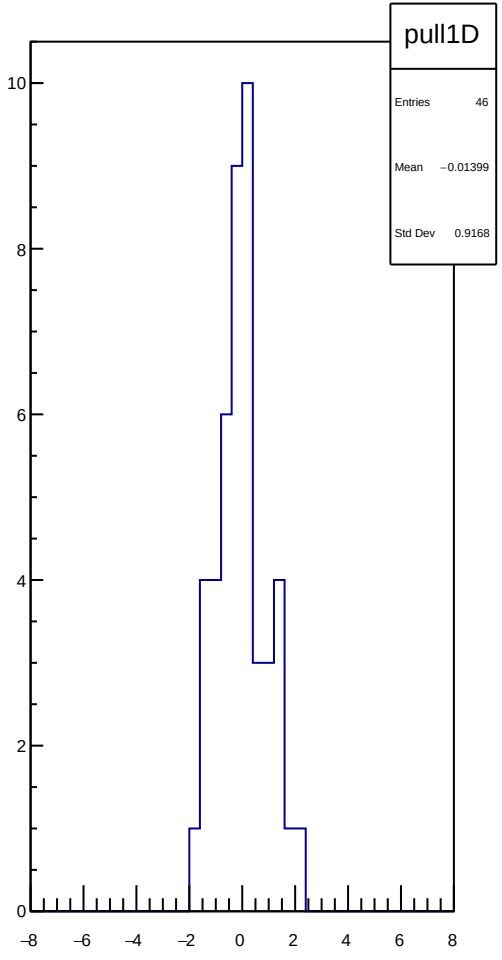

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.424 / 45
p0 333.3 ± 8.441
pull
Entries 46
Mean 185.3
Std Dev 160.4
pull1D
Entries 46
Mean 0.005036
Std Dev 0.4526

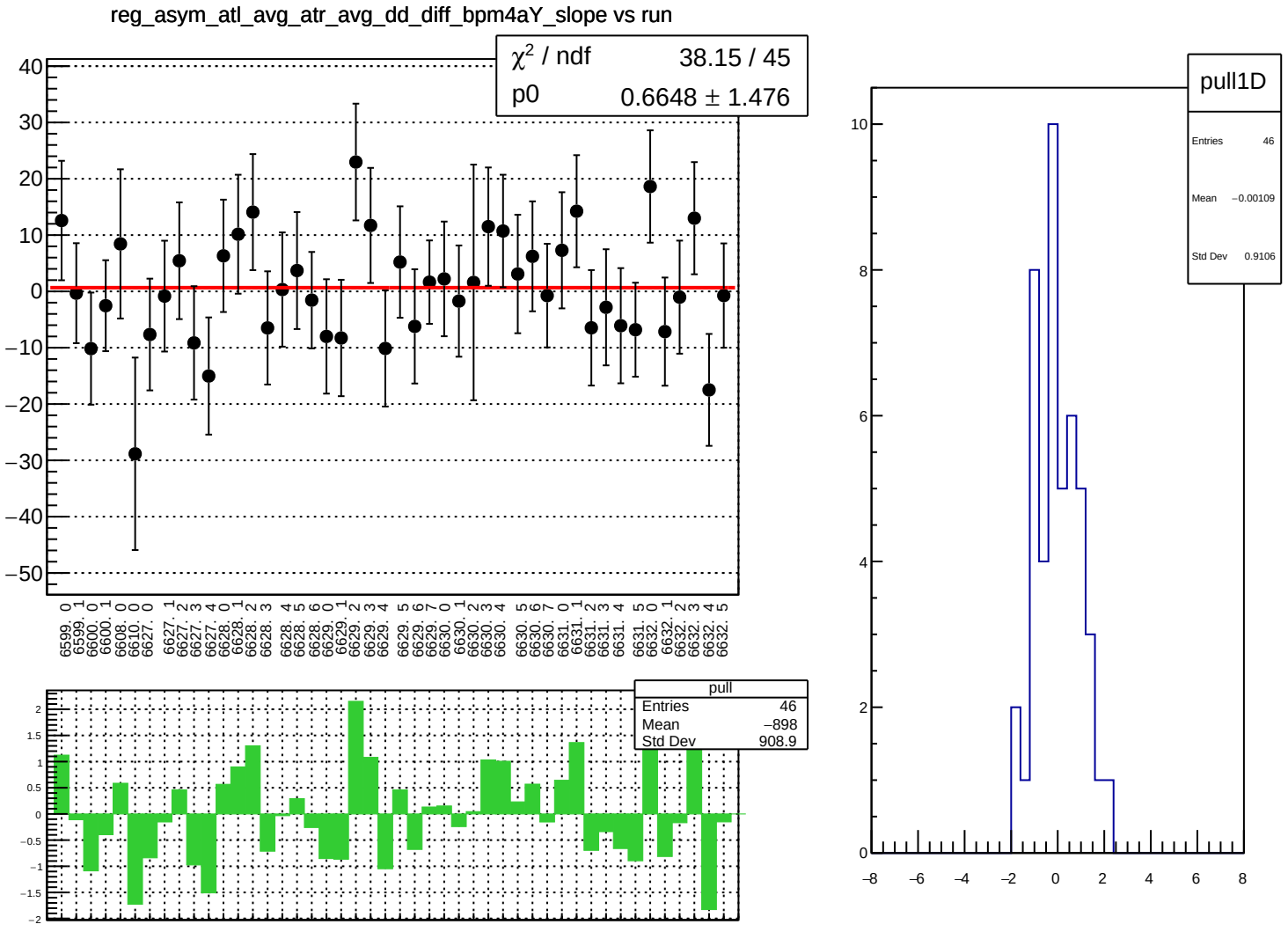

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.789 / 45
p0 85.15 ± 6.039
pull
Entries 46
Mean 47.11
Std Dev 37.96

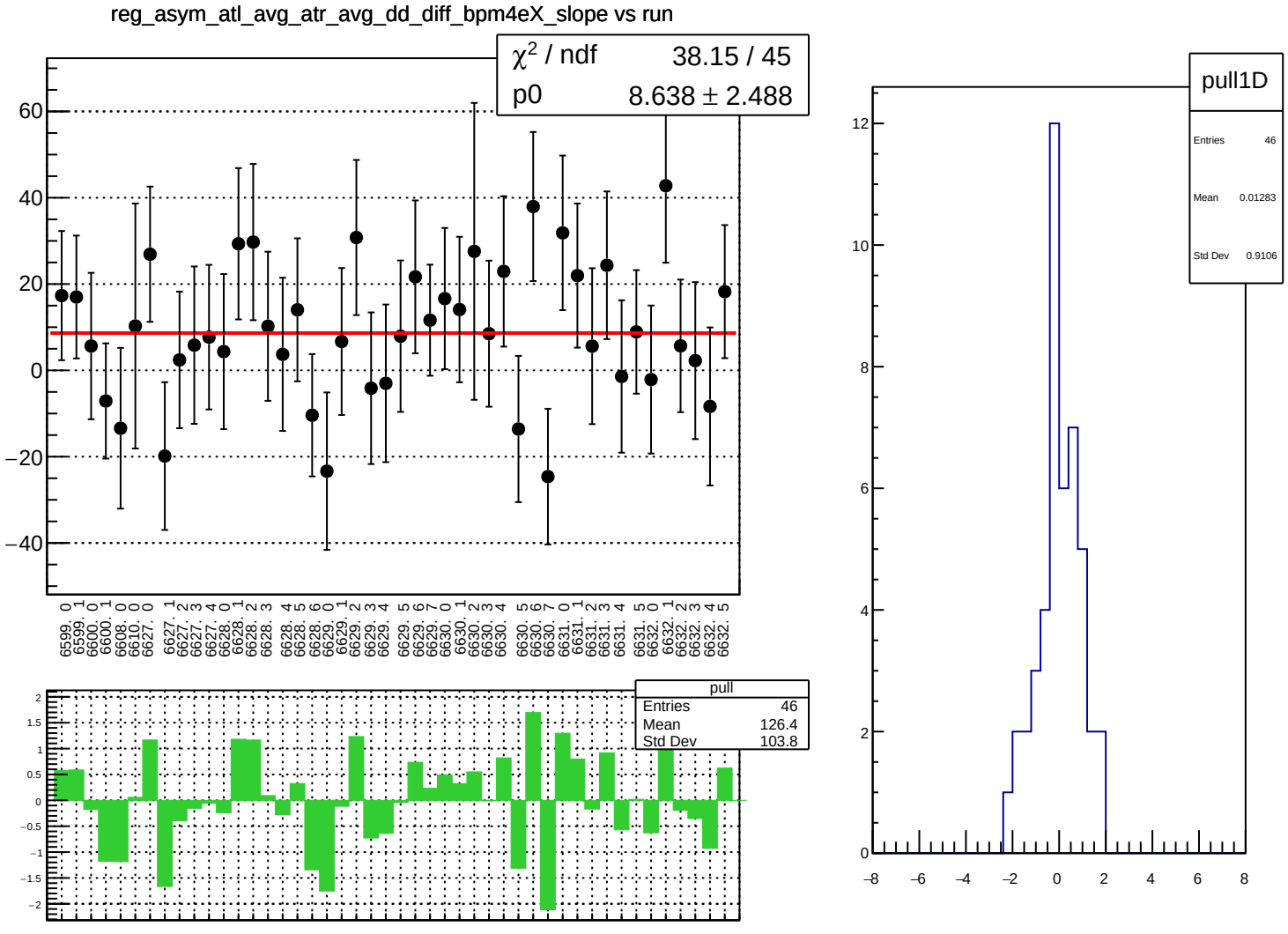

pull1D
Entries 46
Mean 0.007138
Std Dev 0.3547

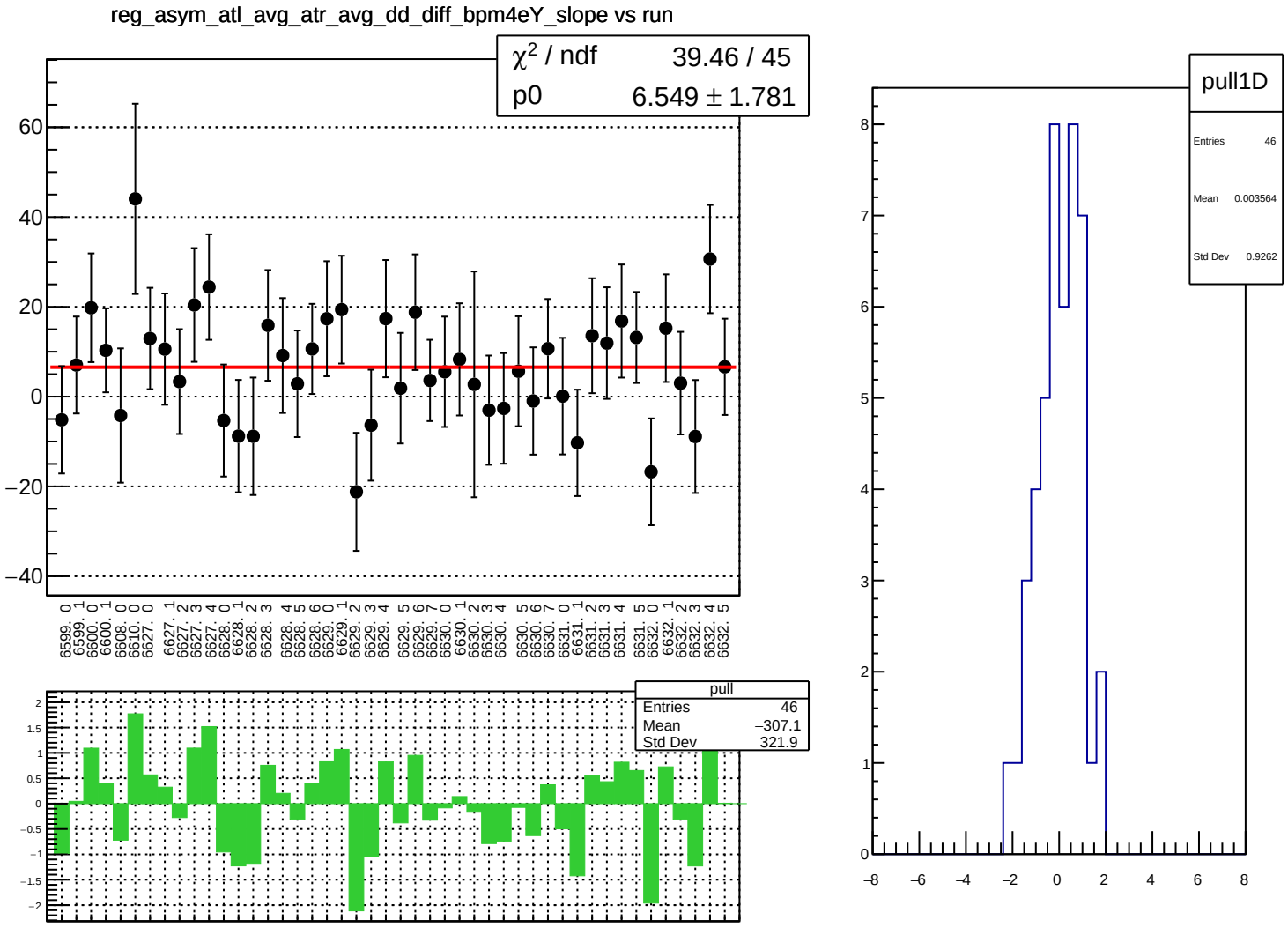

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 344.9 / 45
p0 −189.9 ± 0.3397
−170
−175
−180
−185
−190
−195
−200
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean 182.7
Std Dev 164.3
8
6
4
2
0
−2
pull1D
Entries 46
Mean −0.3173
Std Dev 2.44
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

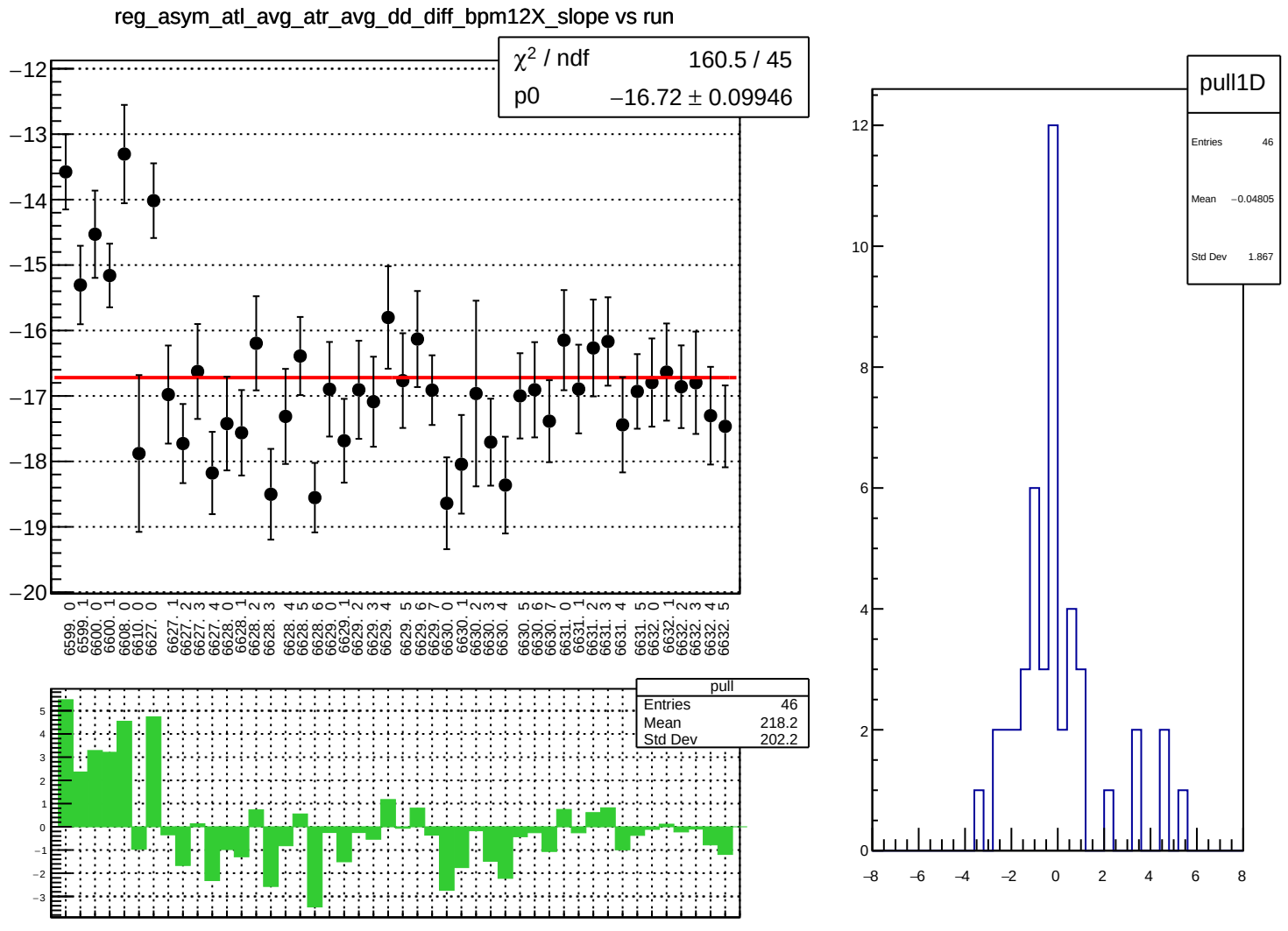

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 38.67 / 45
p0 −23.12 ± 2.324
pull
Entries 46
Mean 122.1
Std Dev 100.2

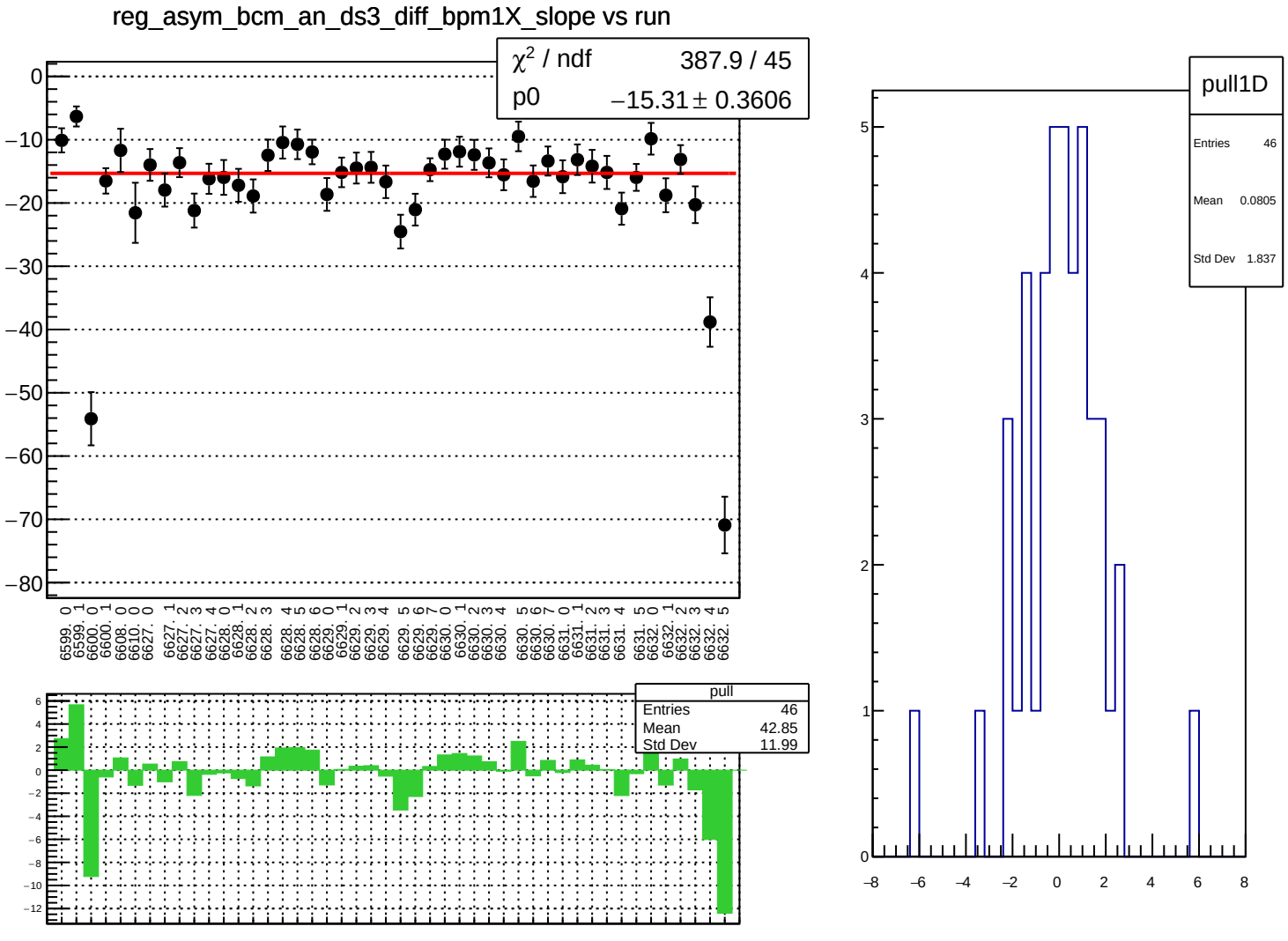

pull1D
Entries 46
Mean −0.01399
Std Dev 0.9168

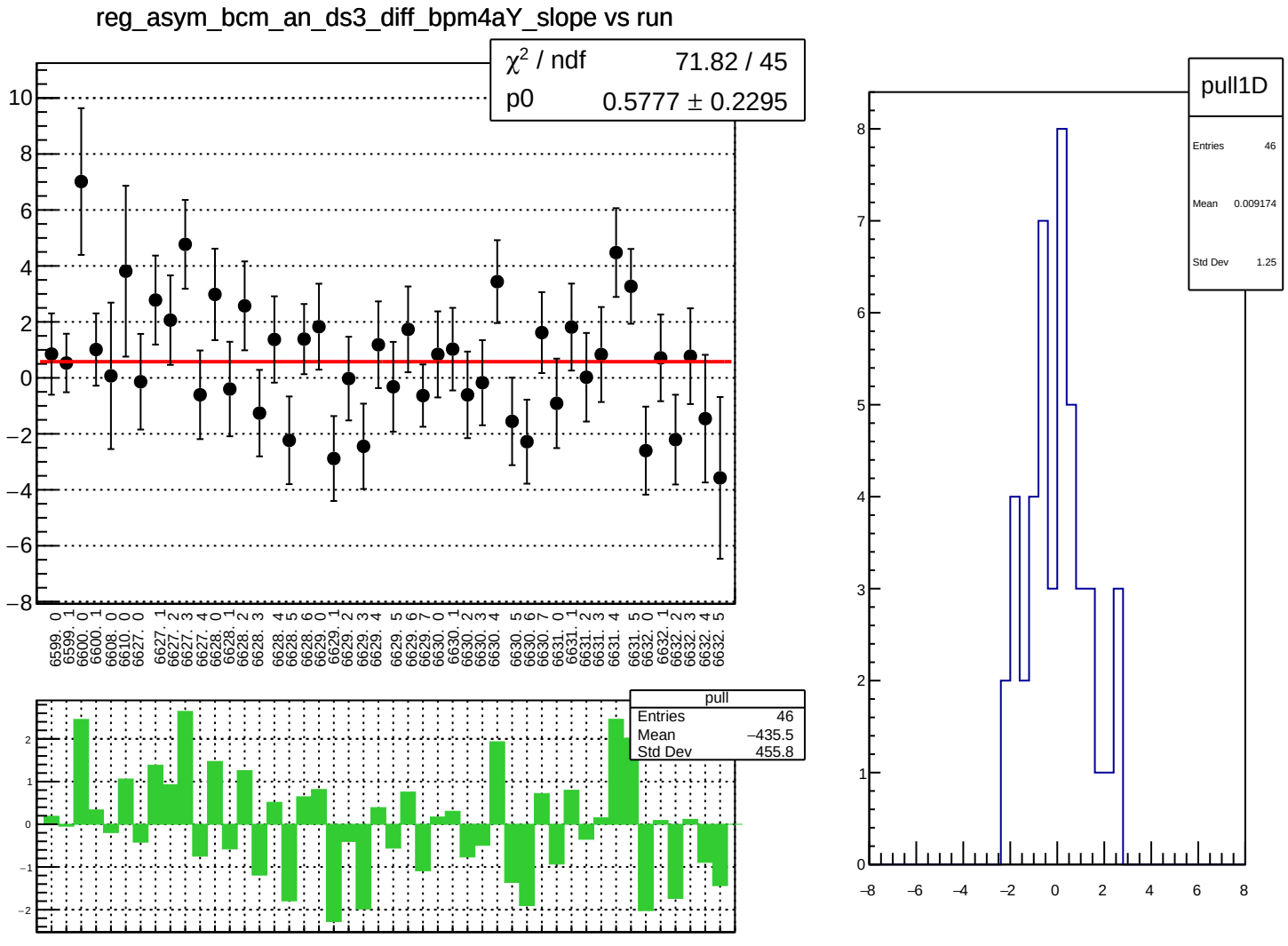

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.15 / 45
p0 0.6648 ± 1.476
pull
Entries 46
Mean −898
Std Dev 908.9
pull1D
Entries 46
Mean −0.00109
Std Dev 0.9106

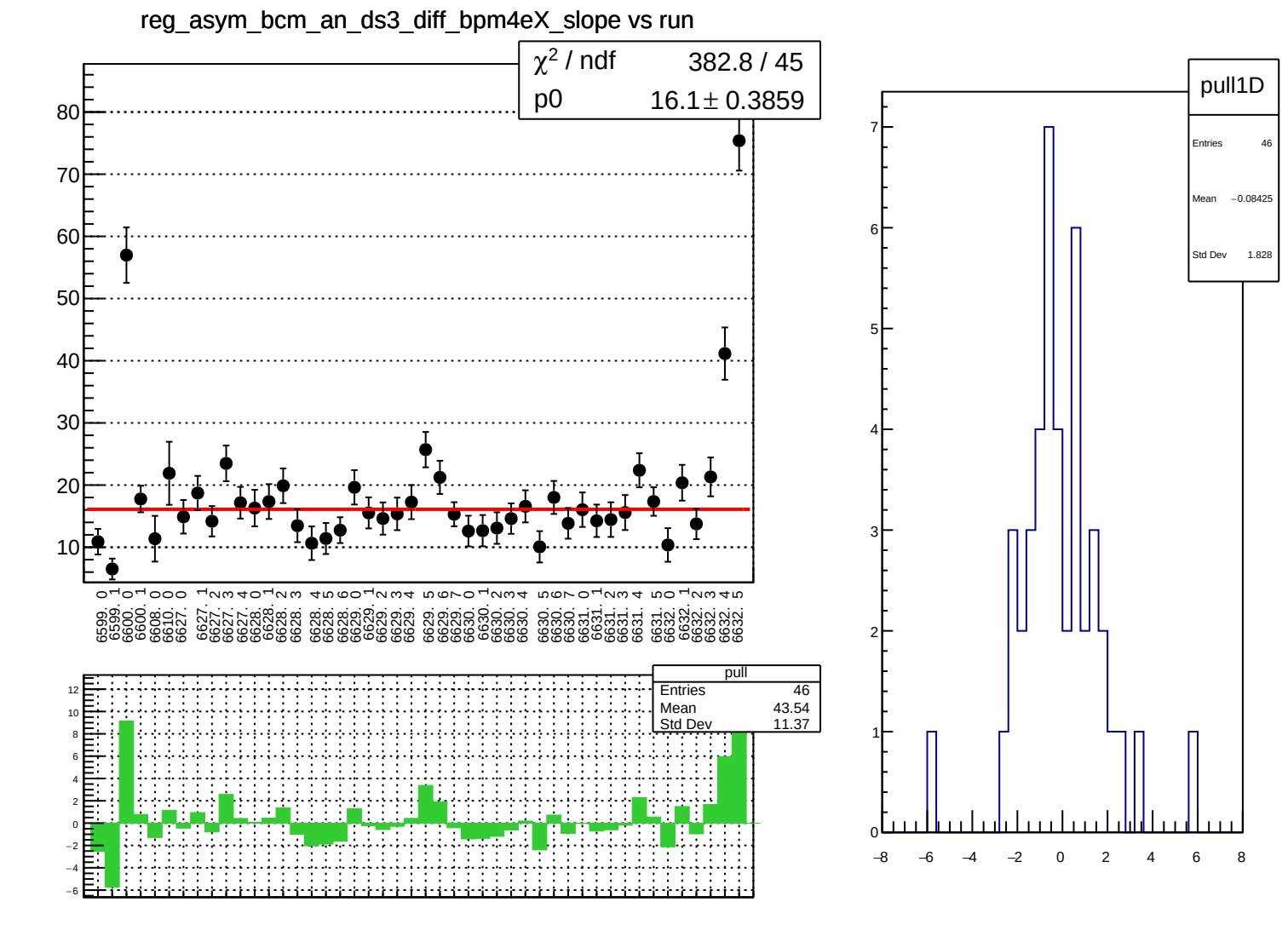

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.15 / 45
p0 8.638 ± 2.488
pull
Entries 46
Mean 126.4
Std Dev 103.8
pull1D
Entries 46
Mean 0.01283
Std Dev 0.9106

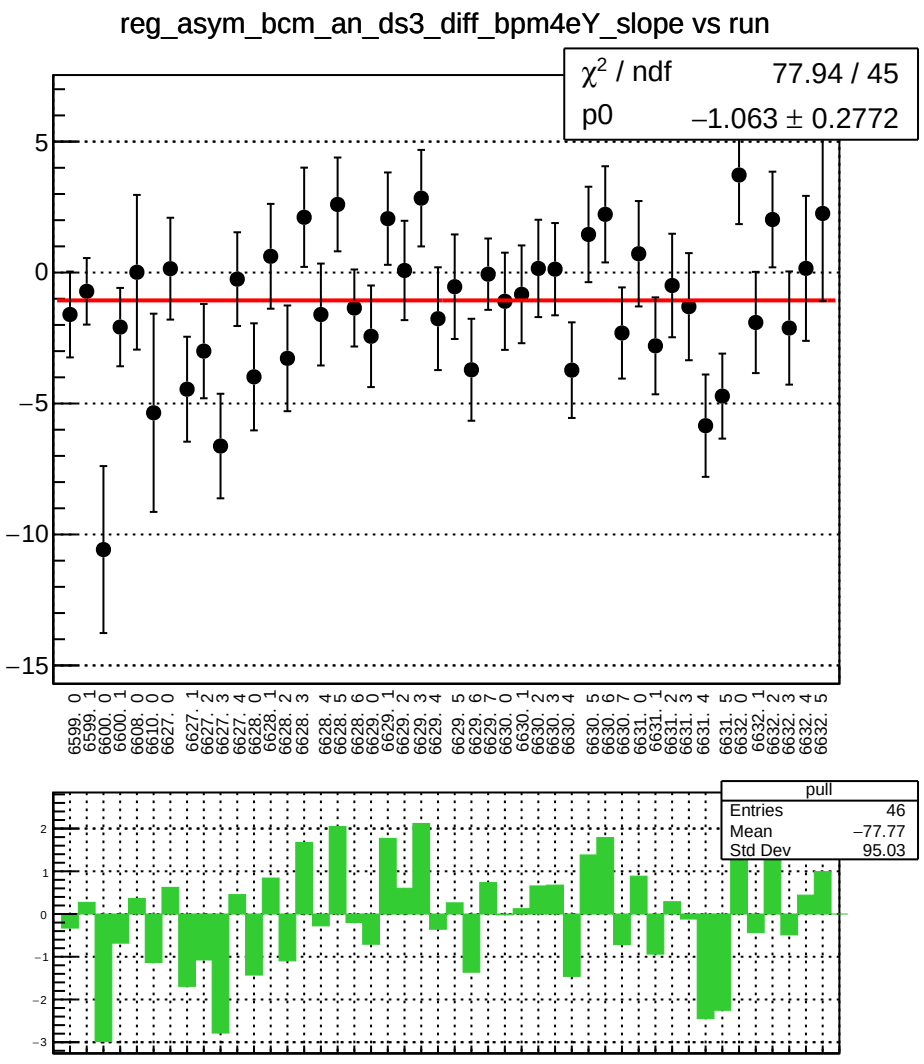

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.46 / 45
p0 6.549 ± 1.781
pull
Entries 46
Mean −307.1
Std Dev 321.9
pull1D
Entries 46
Mean 0.003564
Std Dev 0.9262

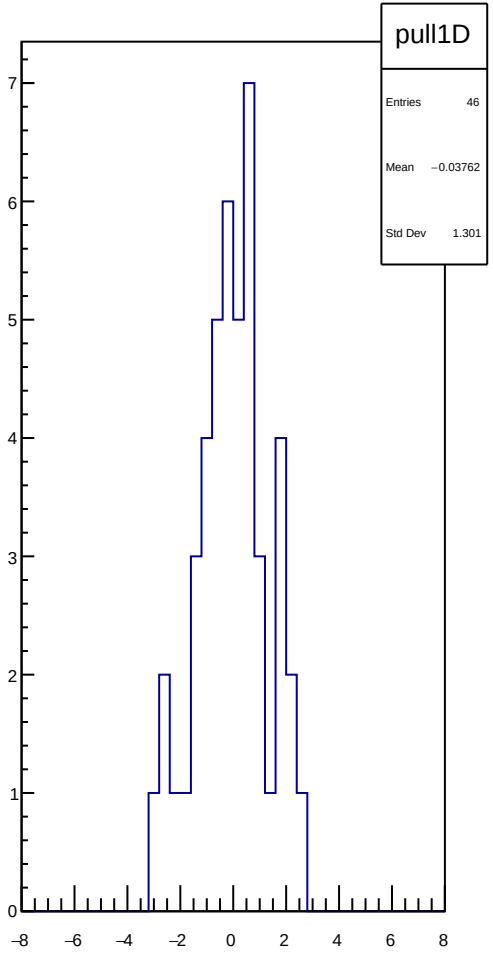

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 160.5 / 45
p0 −16.72 ± 0.09946
pull
Entries 46
Mean 218.2
Std Dev 202.2
pull1D
Entries 46
Mean −0.04805
Std Dev 1.867

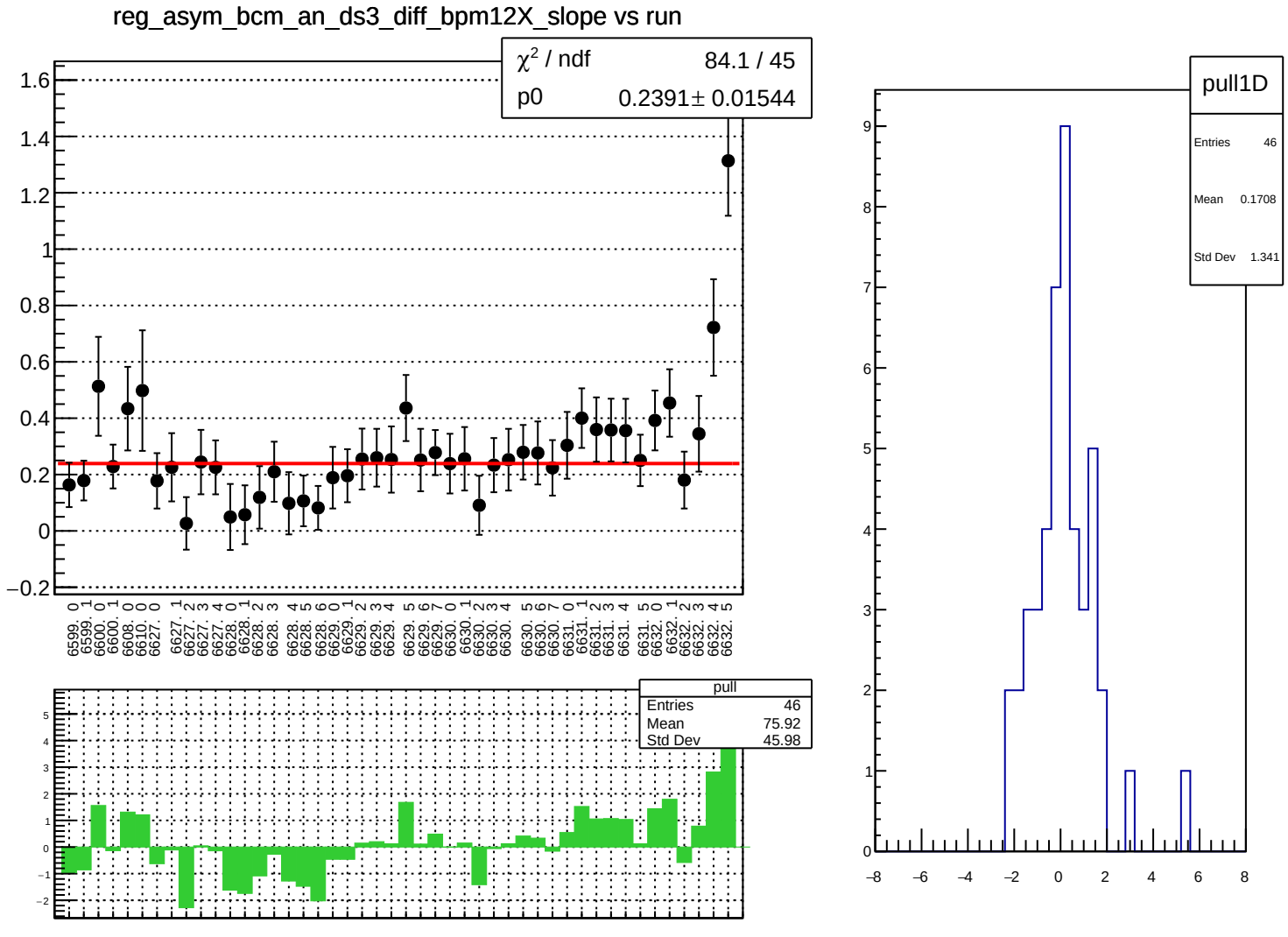

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 387.9 / 45
p0 −15.31 ± 0.3606
pull
Entries 46
Mean 42.85
Std Dev 11.99
pull1D
Entries 46
Mean 0.0805
Std Dev 1.837

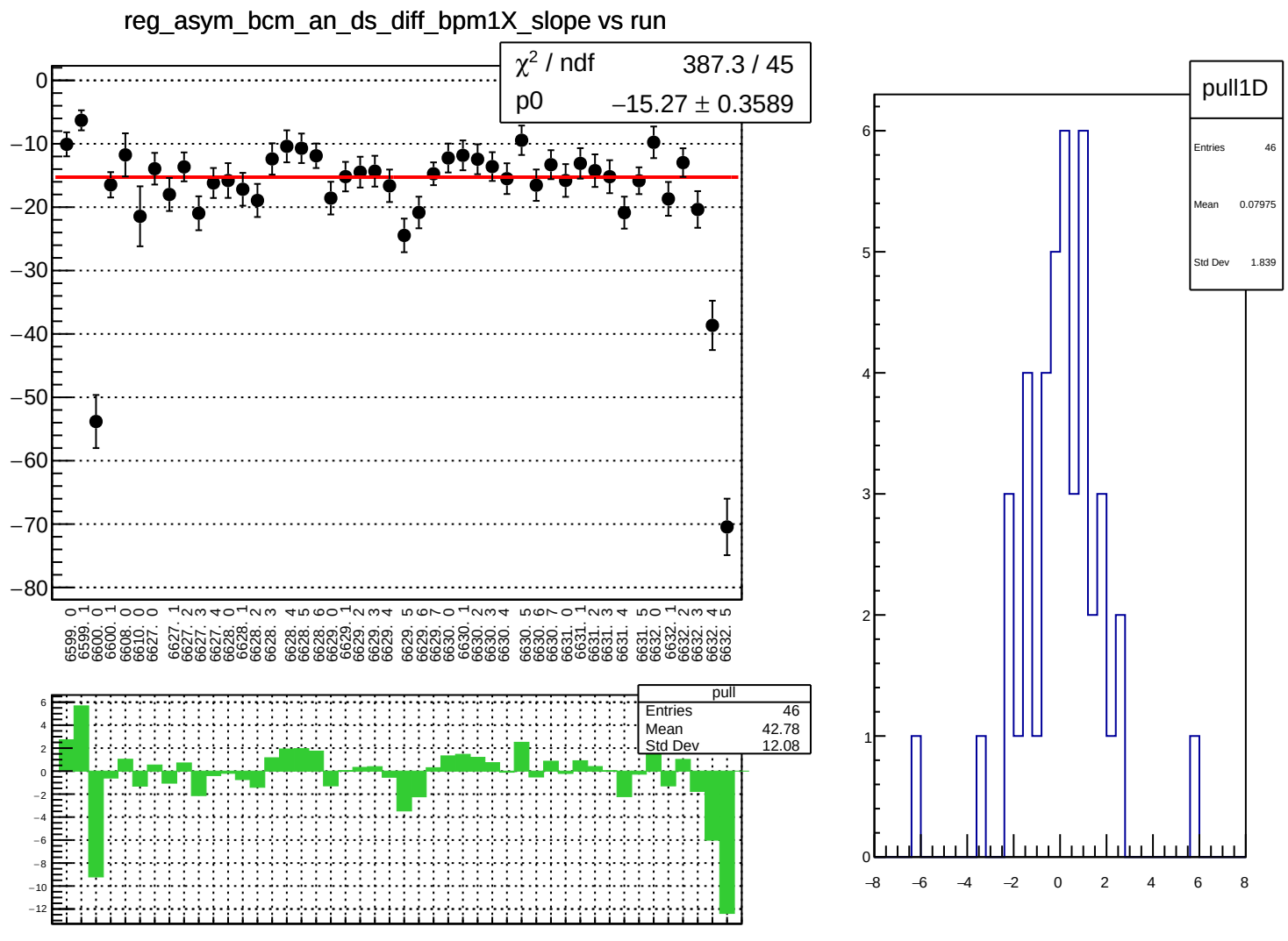

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 71.82 / 45
p0 0.5777 ± 0.2295
pull
Entries 46
Mean −435.5
Std Dev 455.8
pull1D
Entries 46
Mean 0.009174
Std Dev 1.25

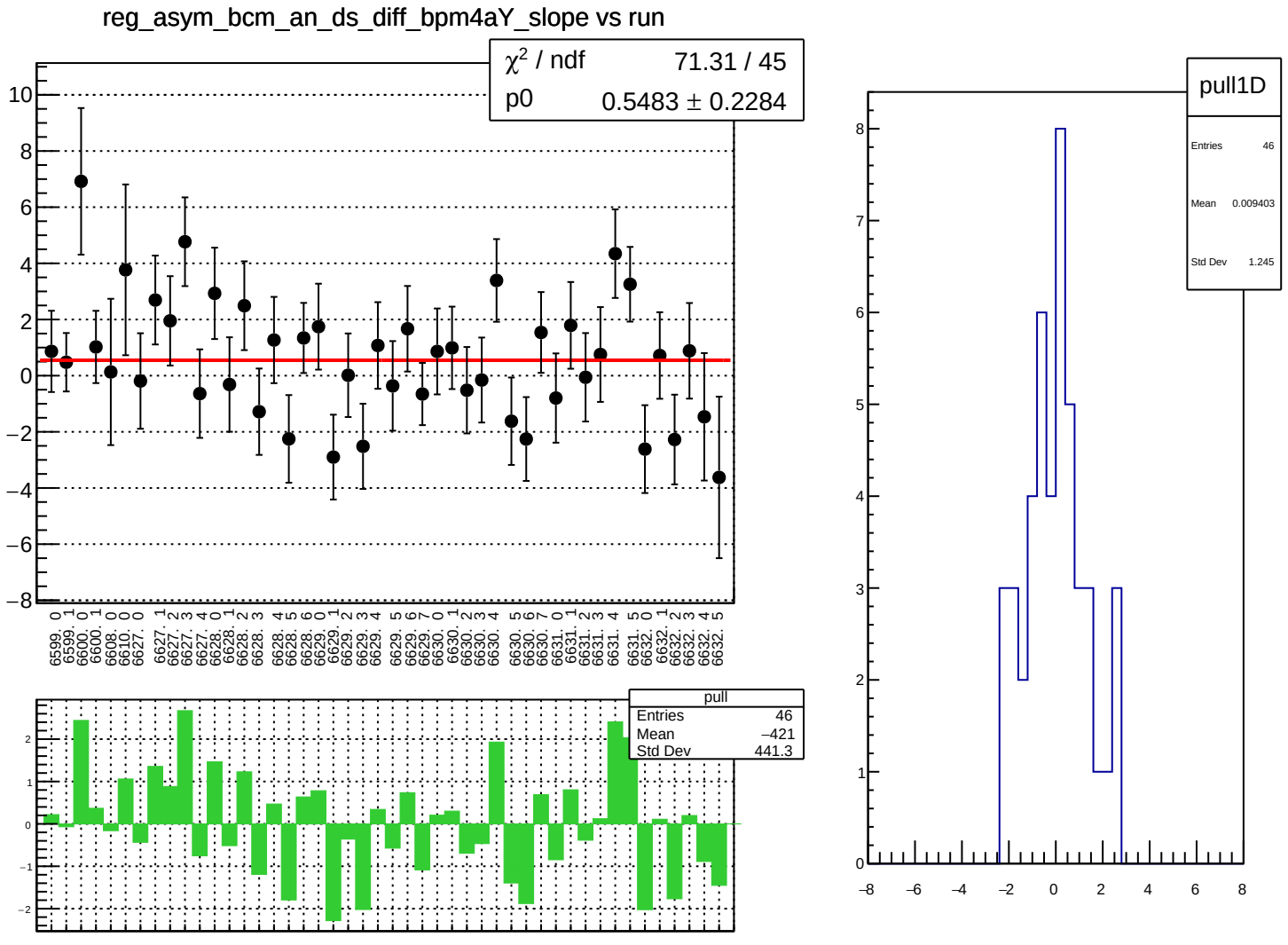

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 382.8 / 45
p0 16.1 ± 0.3859
pull
Entries 46
Mean 43.54
Std Dev 11.37
pull1D
Entries 46
Mean −0.08425
Std Dev 1.828

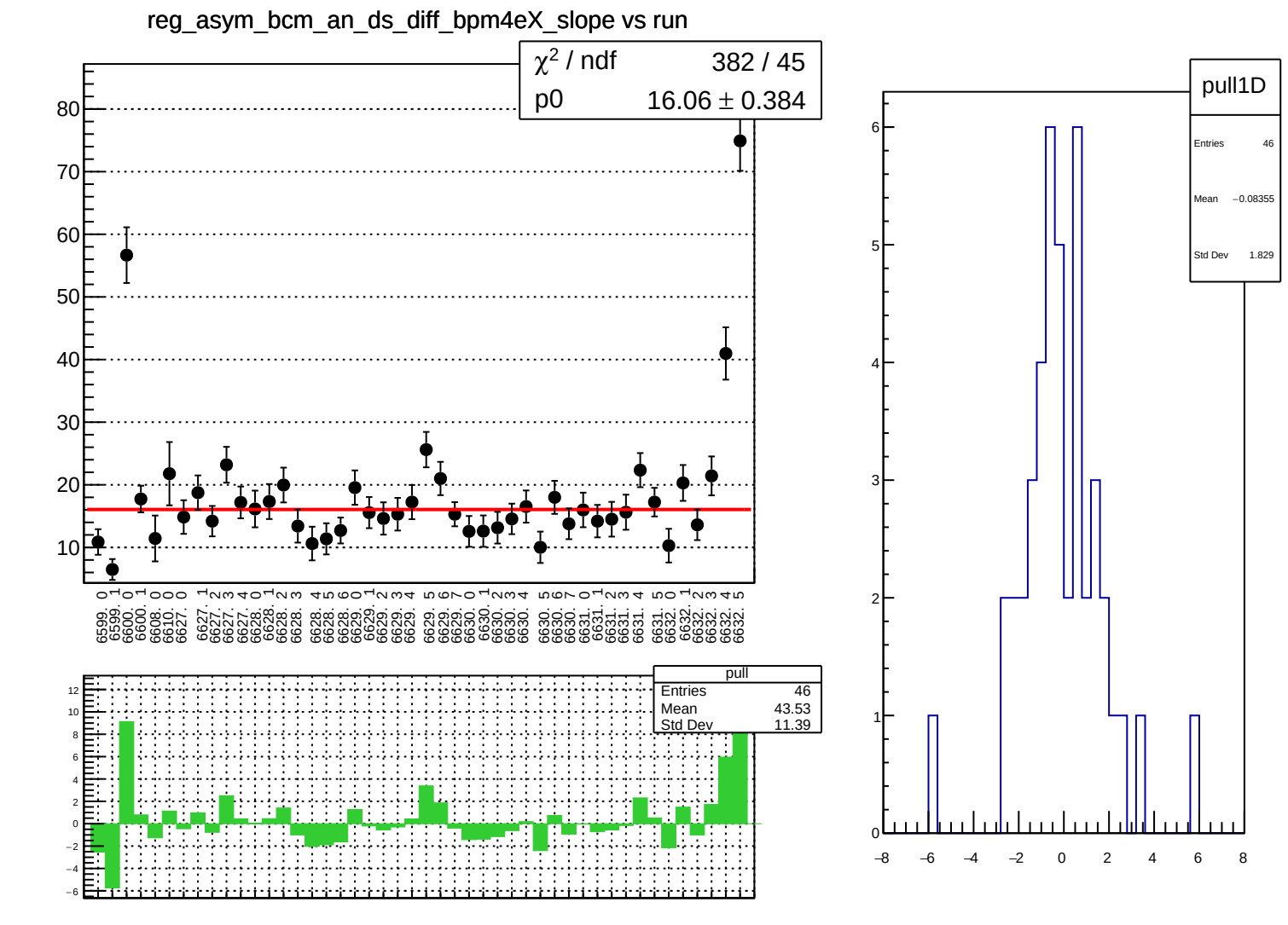

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 77.94 / 45
p0 −1.063 ± 0.2772
pull
Entries 46
Mean −77.77
Std Dev 95.03

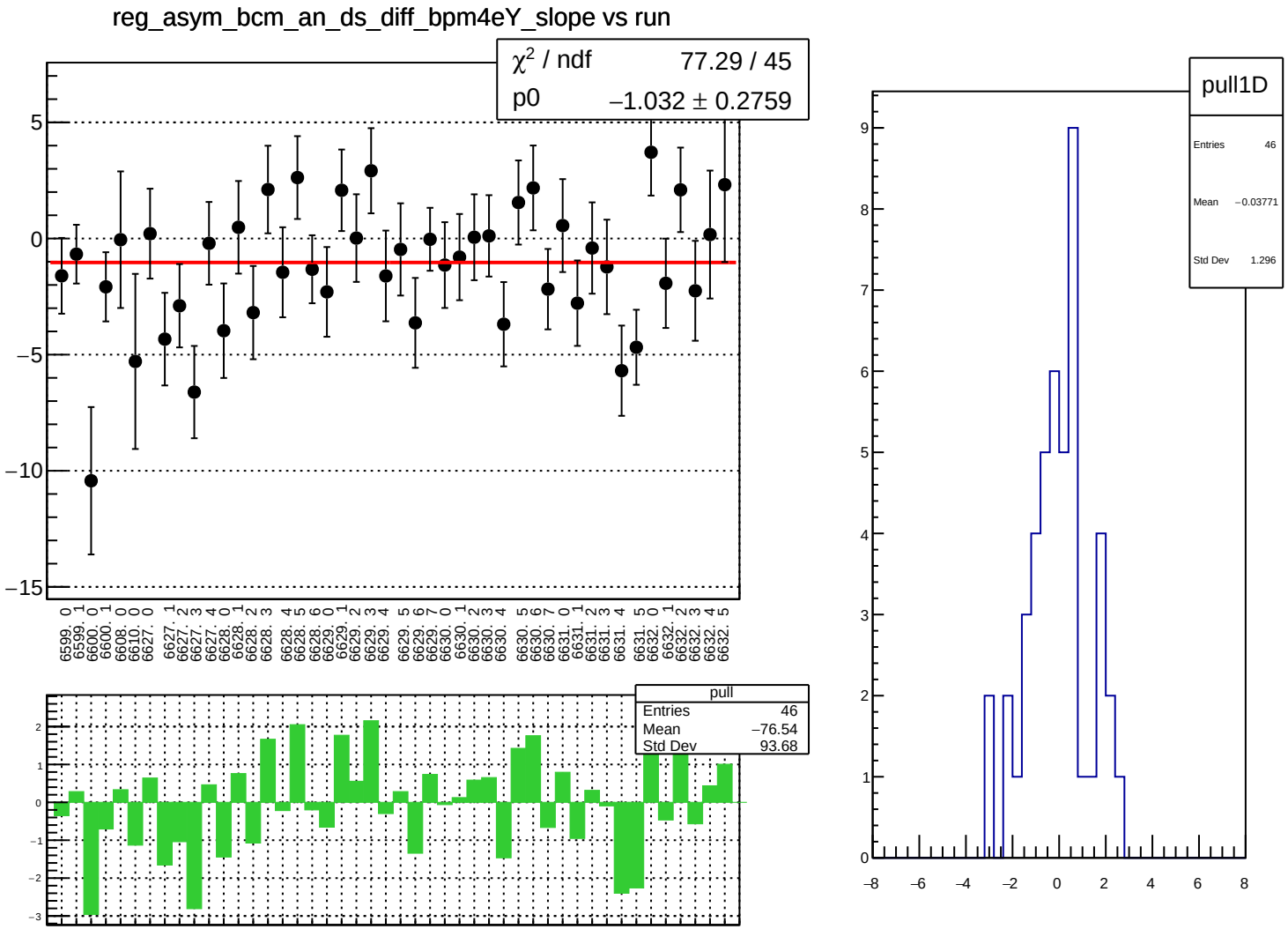

pull1D
Entries 46
Mean −0.03762
Std Dev 1.301

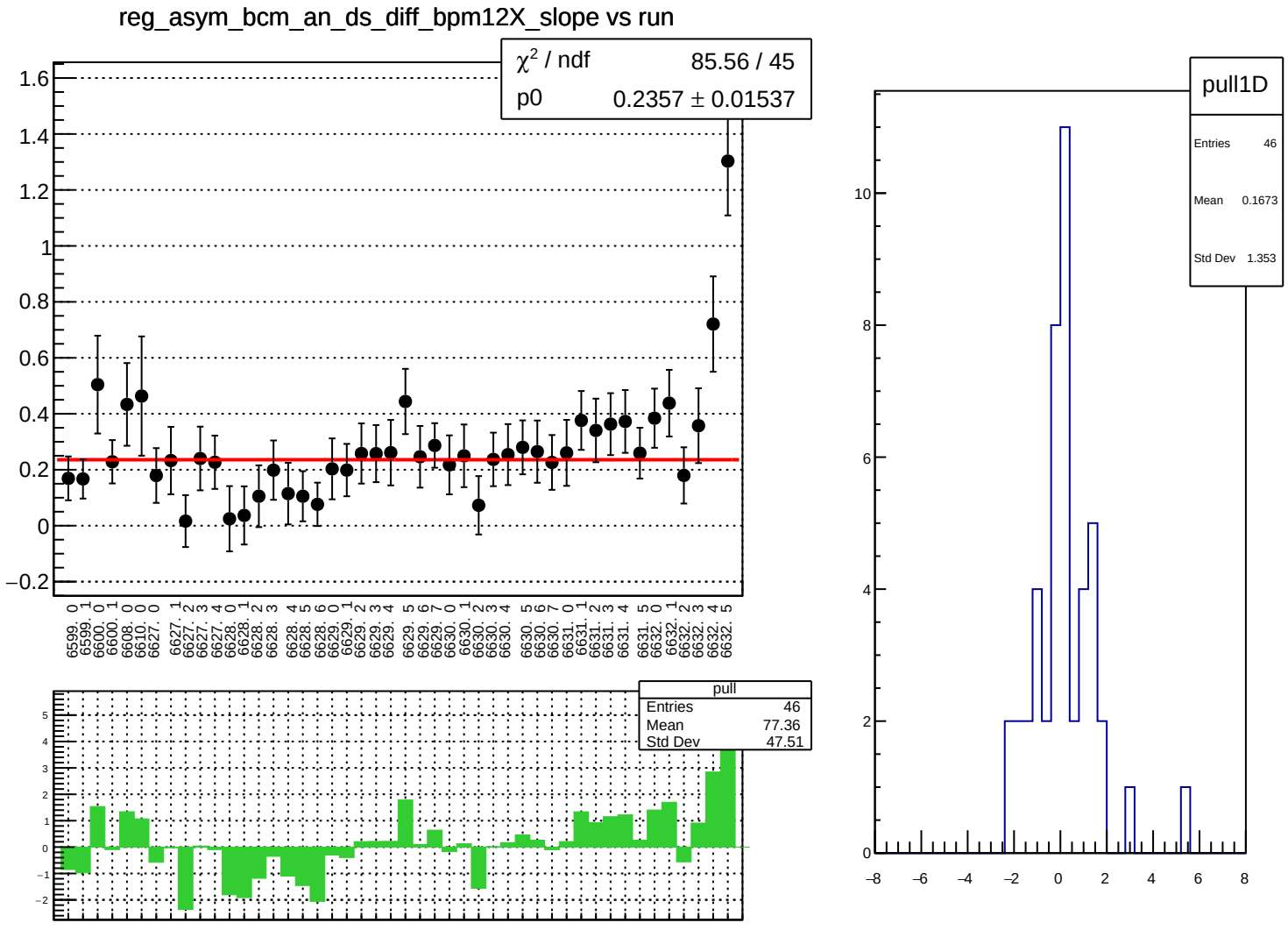

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 84.1 / 45
p0 0.2391± 0.01544
pull
Entries 46
Mean 75.92
Std Dev 45.98
pull1D
Entries 46
Mean 0.1708
Std Dev 1.341

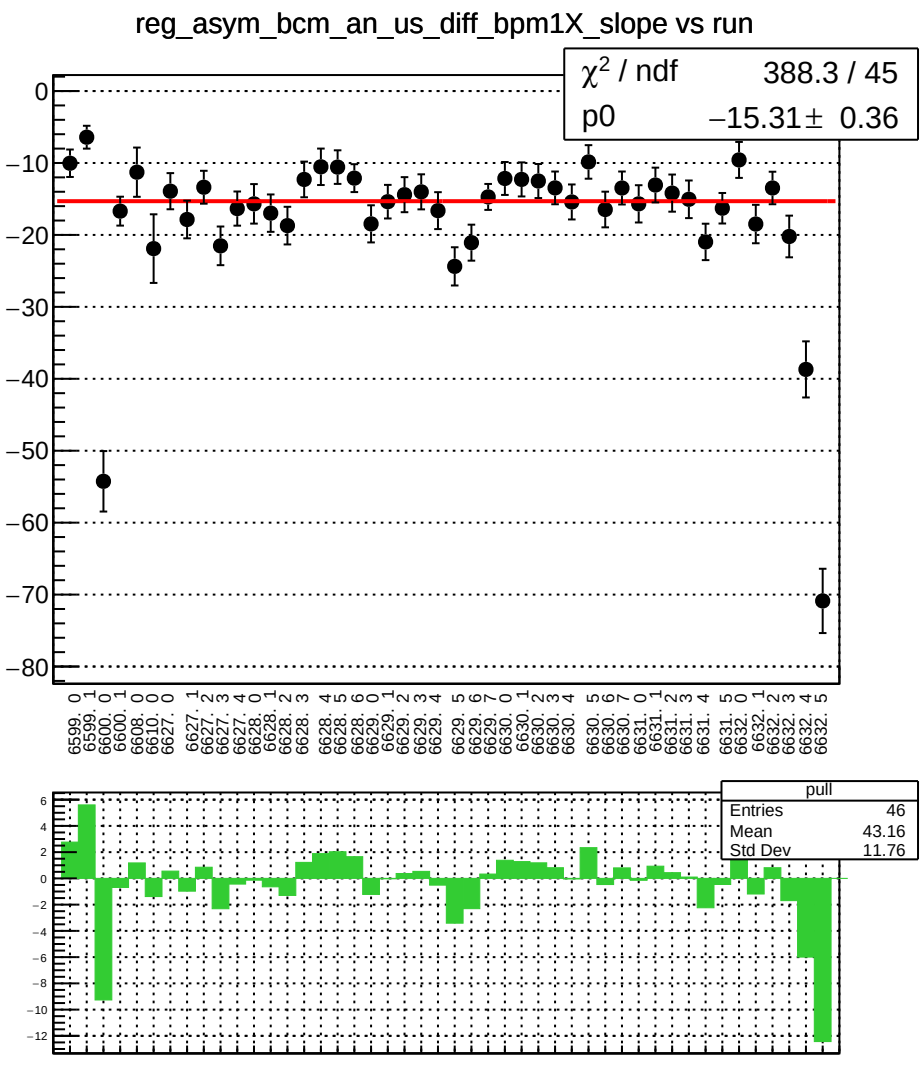

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 387.3 / 45
p0 −15.27 ± 0.3589
pull
Entries 46
Mean 42.78
Std Dev 12.08
pull1D
Entries 46
Mean 0.07975
Std Dev 1.839

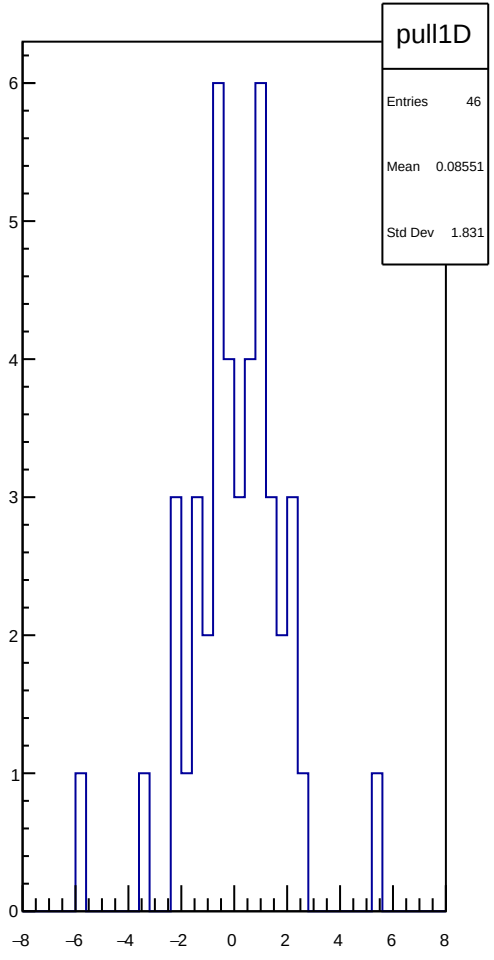

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 71.31 / 45
p0 0.5483 ± 0.2284
pull
Entries 46
Mean −421
Std Dev 441.3
pull1D
Entries 46
Mean 0.009403
Std Dev 1.245

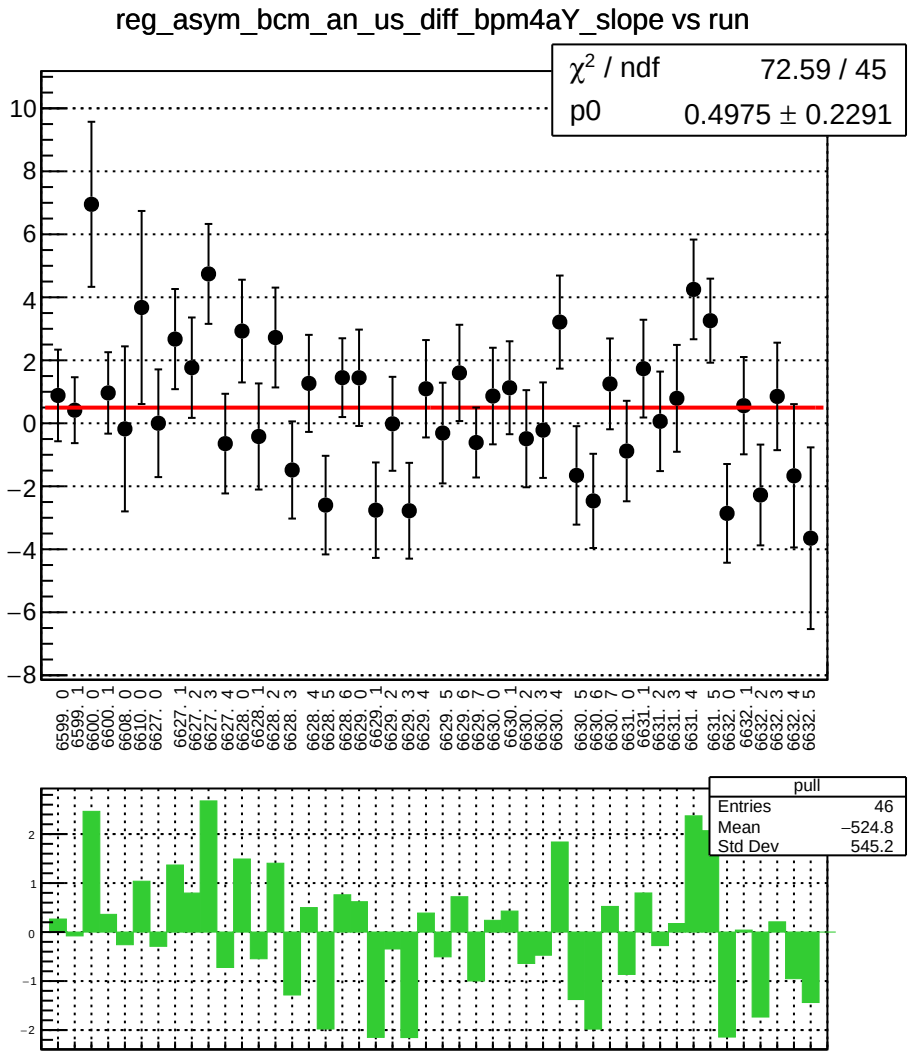

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 382 / 45
p0 16.06 ± 0.384
pull
Entries 46
Mean 43.53
Std Dev 11.39
pull1D
Entries 46
Mean −0.08355
Std Dev 1.829

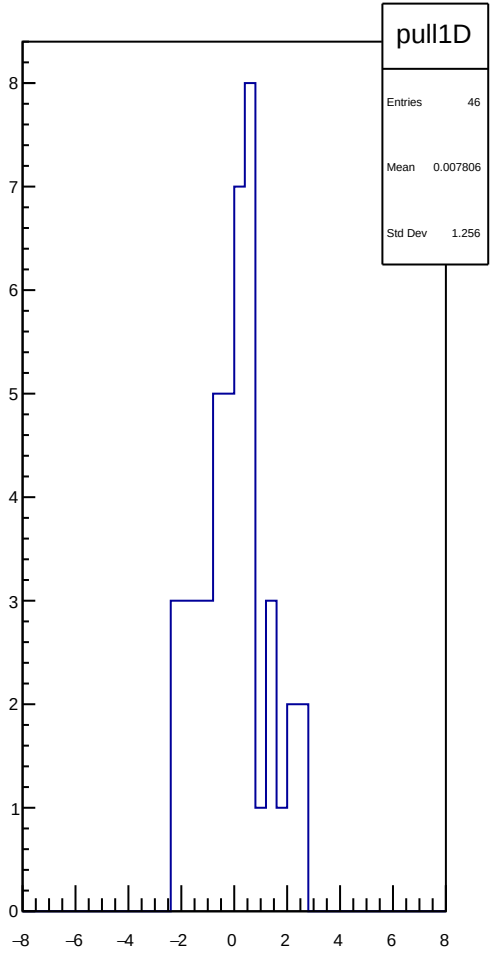

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 77.29 / 45
p0 −1.032 ± 0.2759
pull
Entries 46
Mean −76.54
Std Dev 93.68
pull1D
Entries 46
Mean −0.03771
Std Dev 1.296

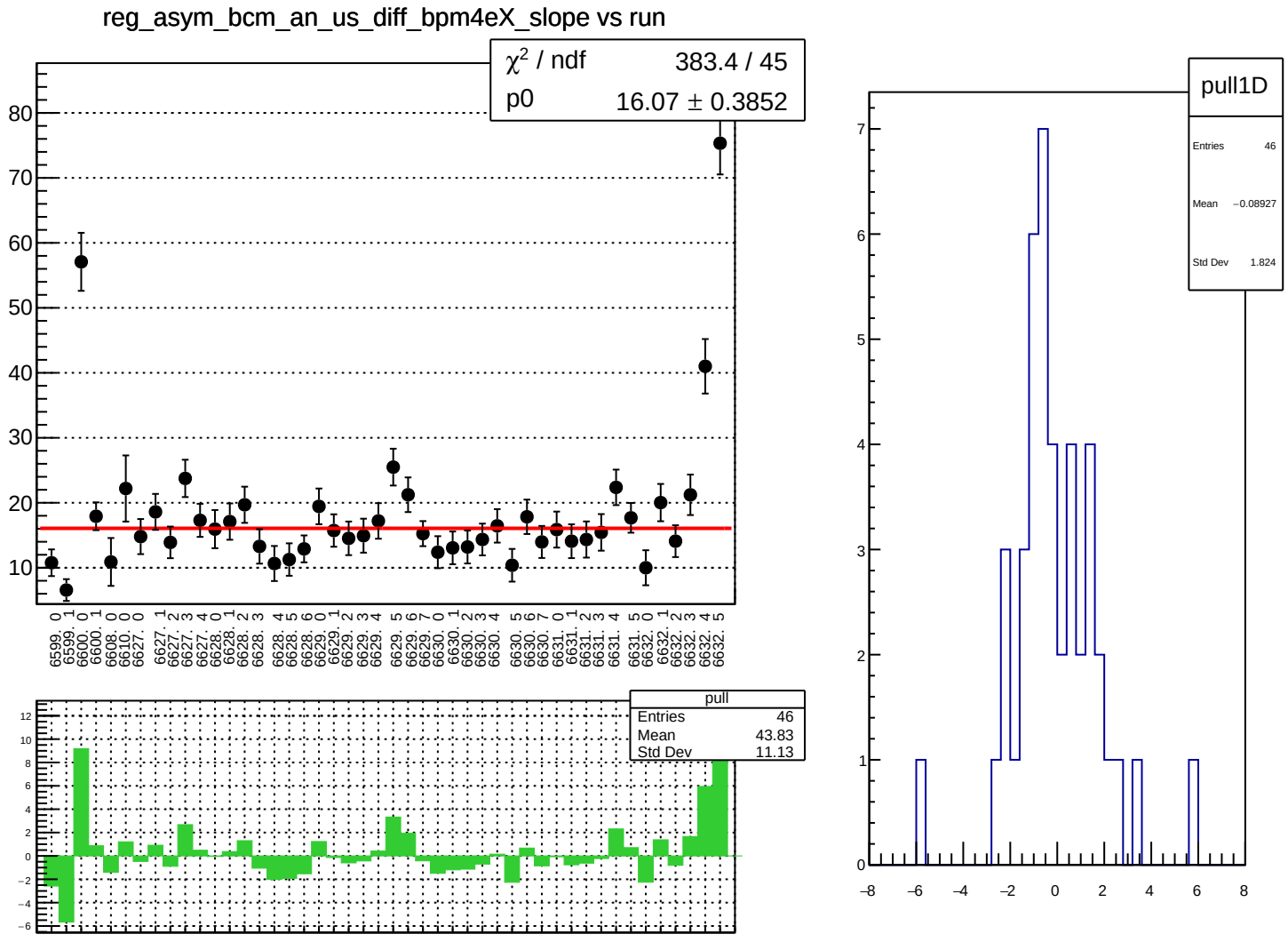

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 85.56 / 45
p0 0.2357 ± 0.01537
pull
Entries 46
Mean 77.36
Std Dev 47.51
pull1D
Entries 46
Mean 0.1673
Std Dev 1.353

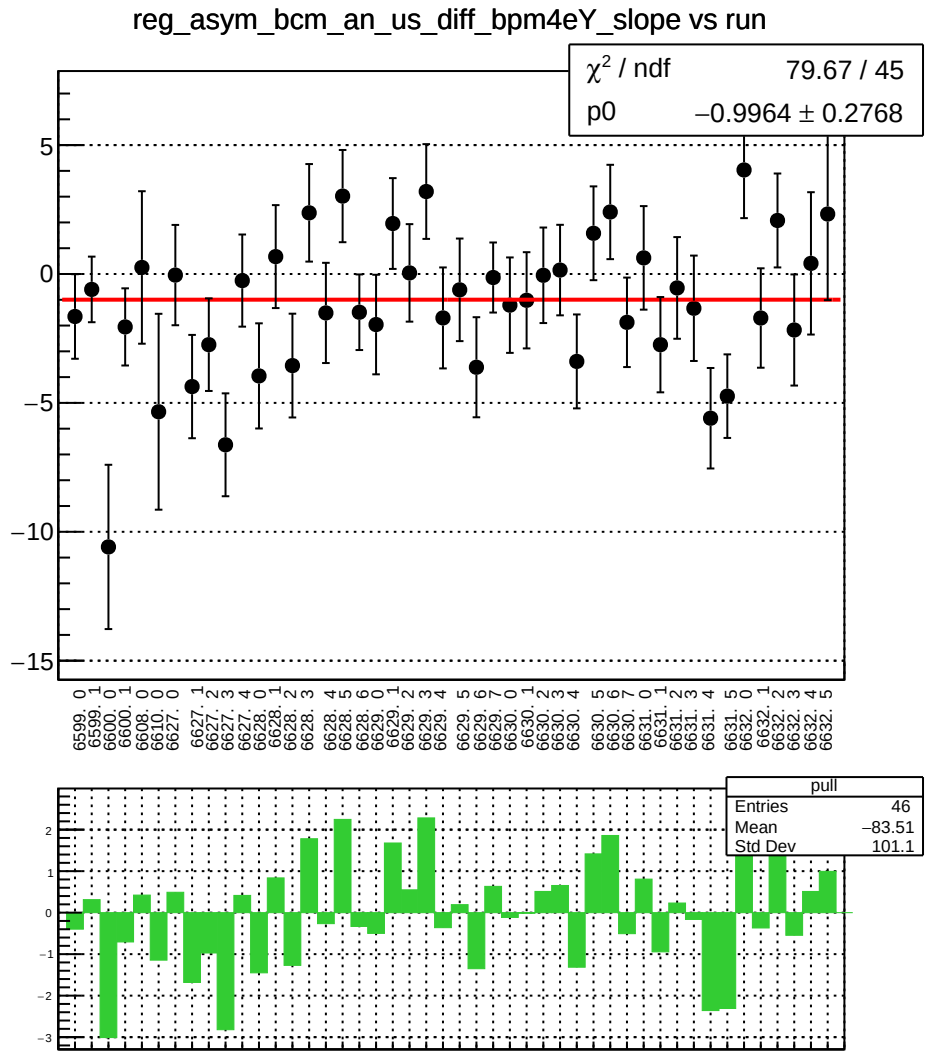

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 388.3 / 45
p0 −15.31± 0.36
pull
Entries 46
Mean 43.16
Std Dev 11.76

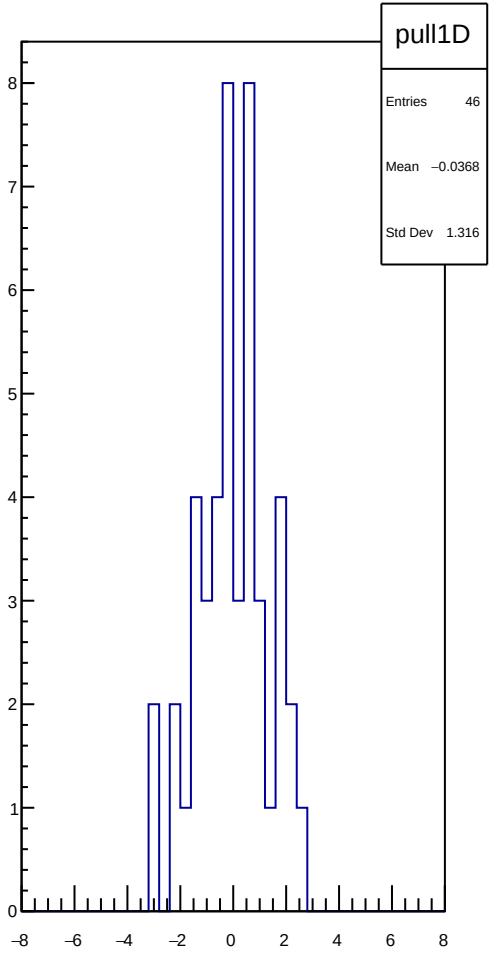

pull1D
Entries 46
Mean 0.08551
Std Dev 1.831

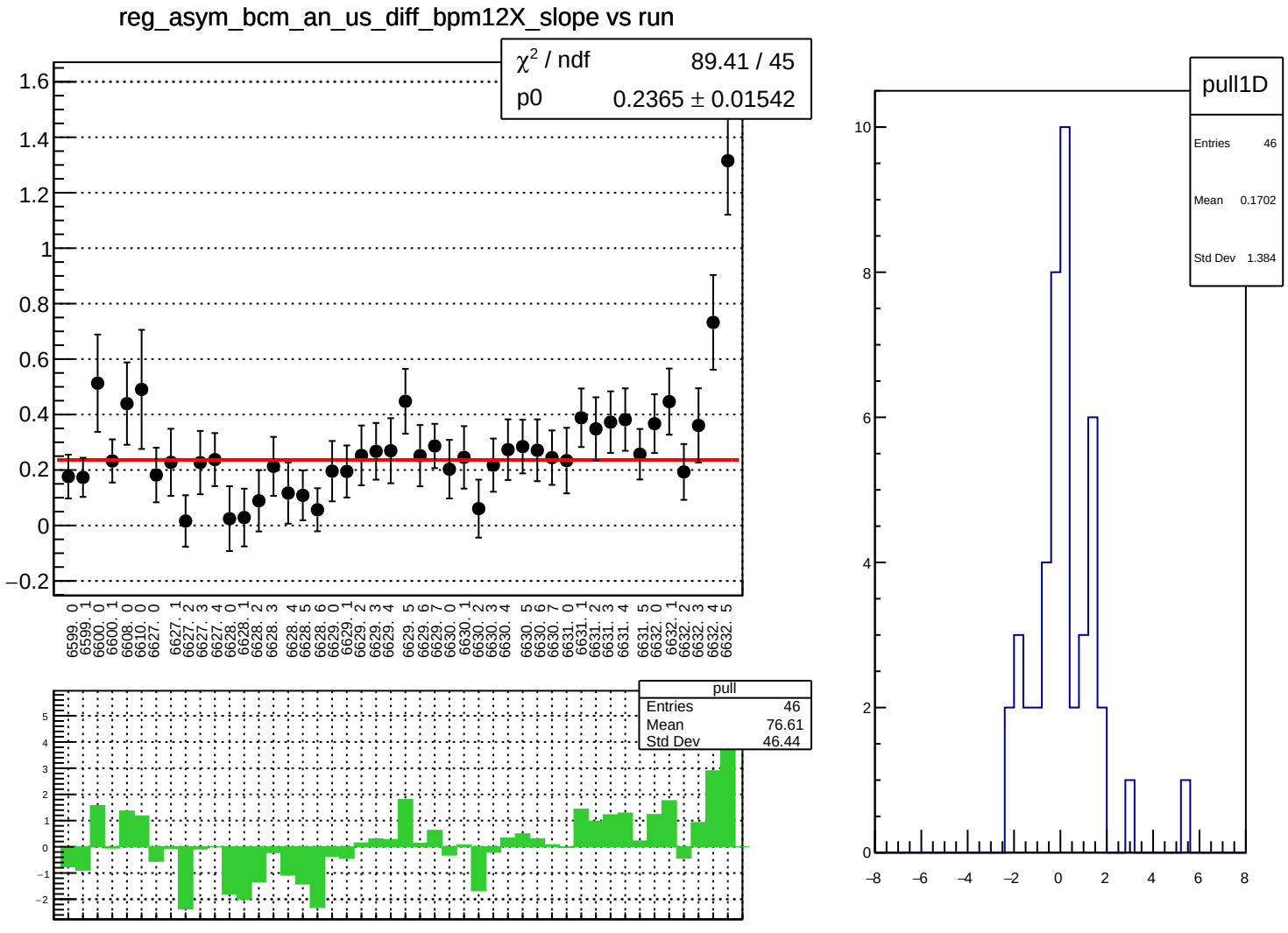

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 72.59 / 45
p0 0.4975 ± 0.2291
pull
Entries 46
Mean −524.8
Std Dev 545.2

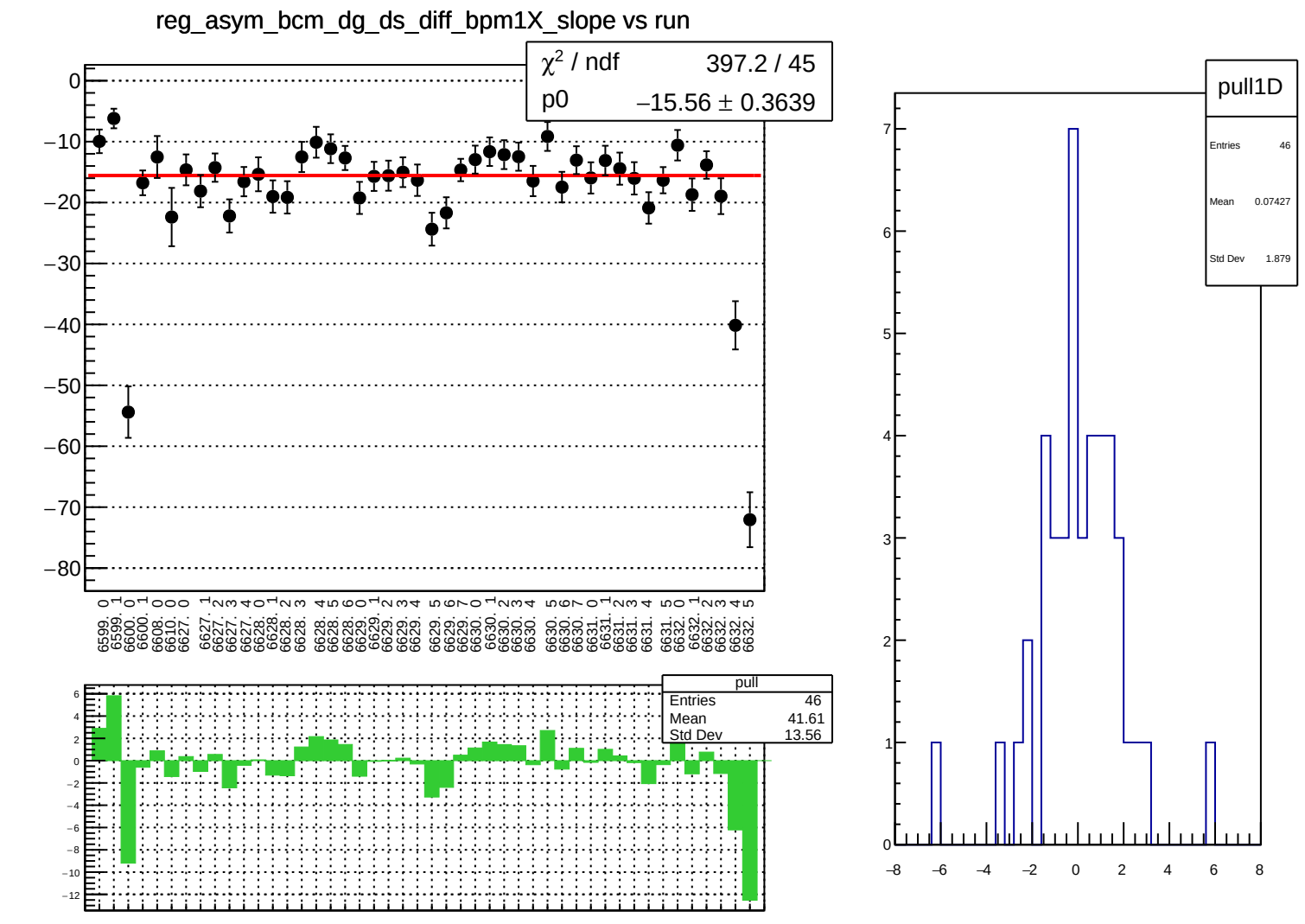

pull1D
Entries 46
Mean 0.007806
Std Dev 1.256

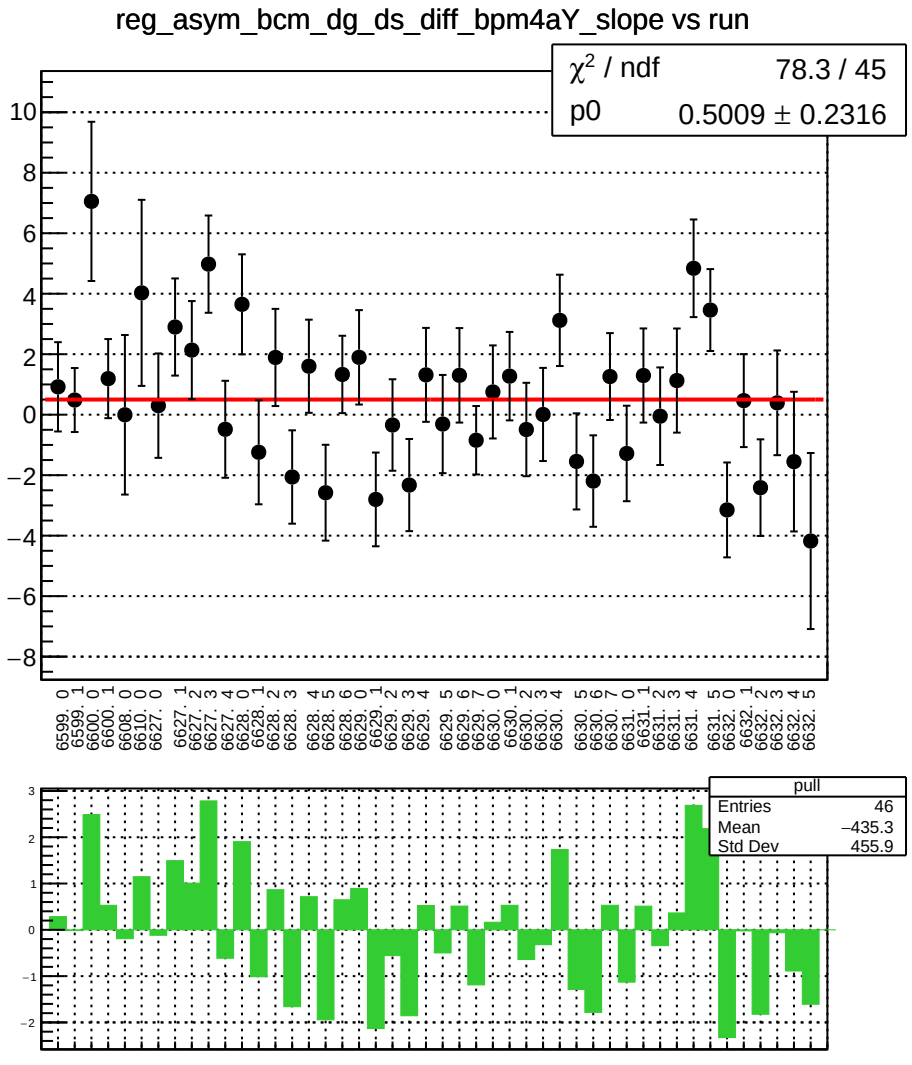

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 383.4 / 45
p0 16.07 ± 0.3852
pull
Entries 46
Mean 43.83
Std Dev 11.13
pull1D
Entries 46
Mean −0.08927
Std Dev 1.824

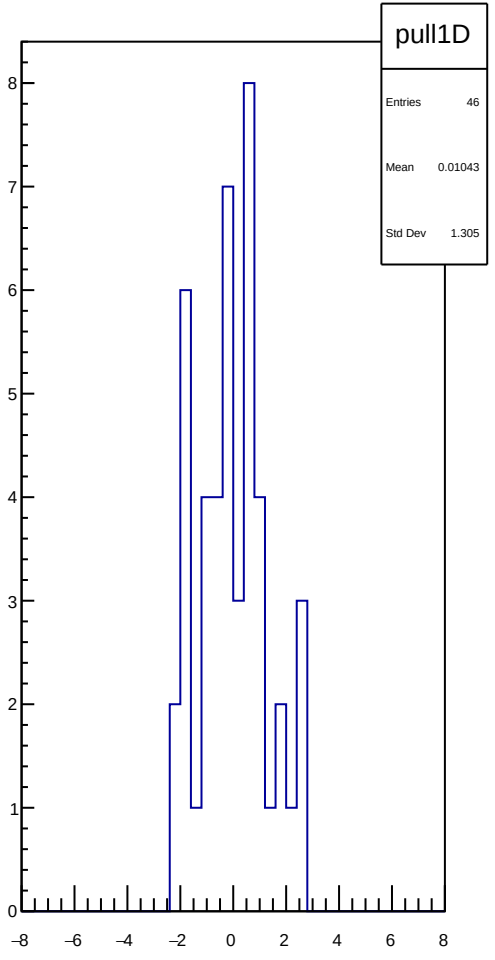

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 79.67 / 45
p0 −0.9964 ± 0.2768
5
0
−5
−10
−15
6599. 0
6599. 1
6600. 0
6600. 1
6608. 0
6610. 0
6627. 0
6627. 1
6627. 2
6627. 3
6627. 4
6628. 0
6628. 1
6628. 2
6628. 3
6628. 4
6628. 5
6628. 6
6629. 0
6629. 1
6629. 2
6629. 3
6629. 4
6629. 5
6629. 6
6629. 7
6630. 0
6630. 1
6630. 2
6630. 3
6630. 4
6630. 5
6630. 6
6630. 7
6631. 0
6631. 1
6631. 2
6631. 3
6631. 4
6631. 5
6632. 0
6632. 1
6632. 2
6632. 3
6632. 4
6632. 5
pull
Entries 46
Mean −83.51
Std Dev 101.1
2
1
0
−1
−2
−3

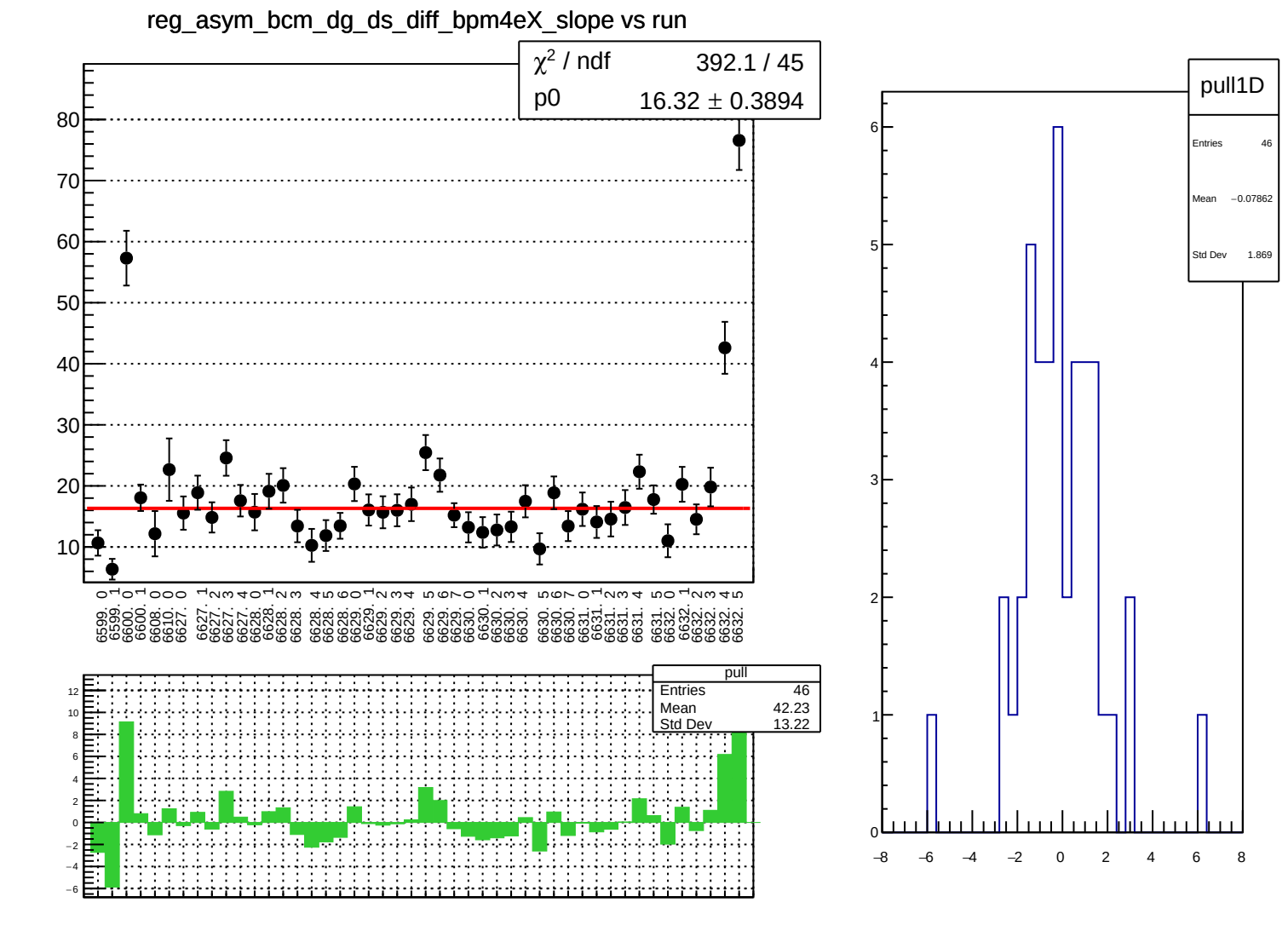

pull1D
Entries 46
Mean −0.0368
Std Dev 1.316
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

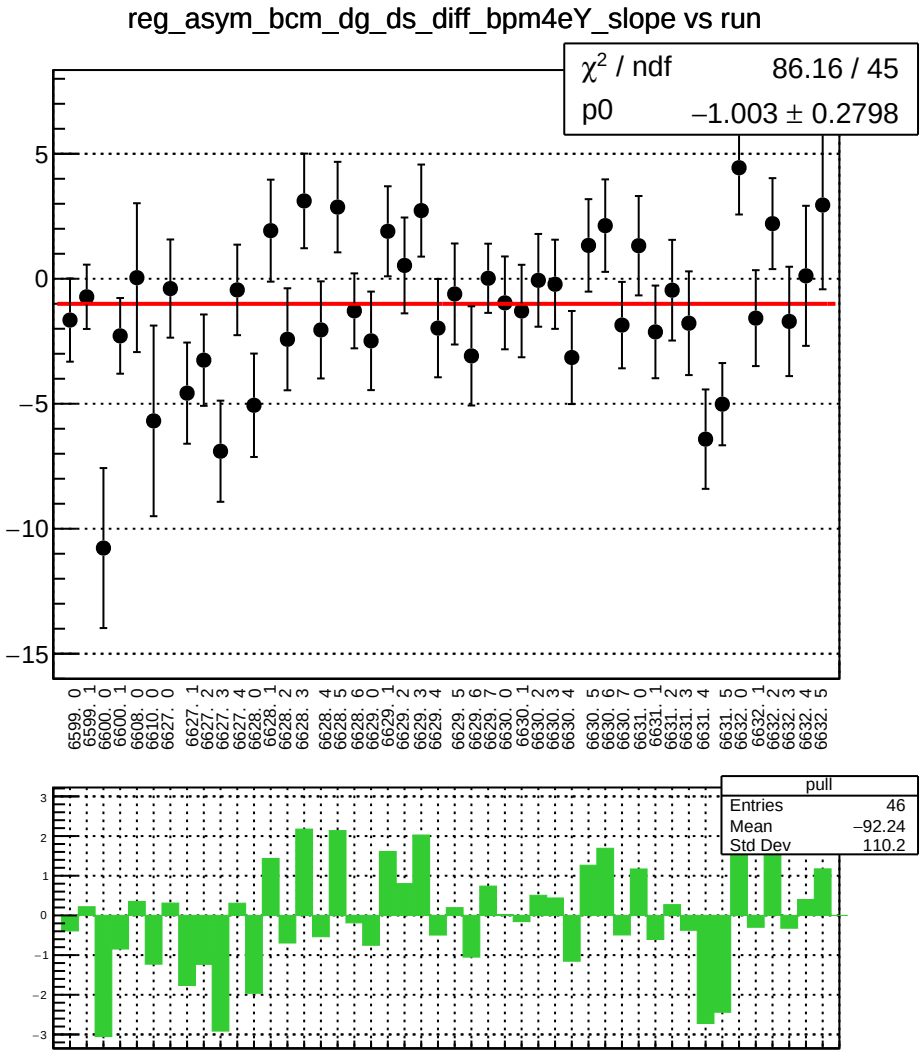

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 89.41 / 45
p0 0.2365 ± 0.01542
pull
Entries 46
Mean 76.61
Std Dev 46.44
pull1D
Entries 46
Mean 0.1702
Std Dev 1.384

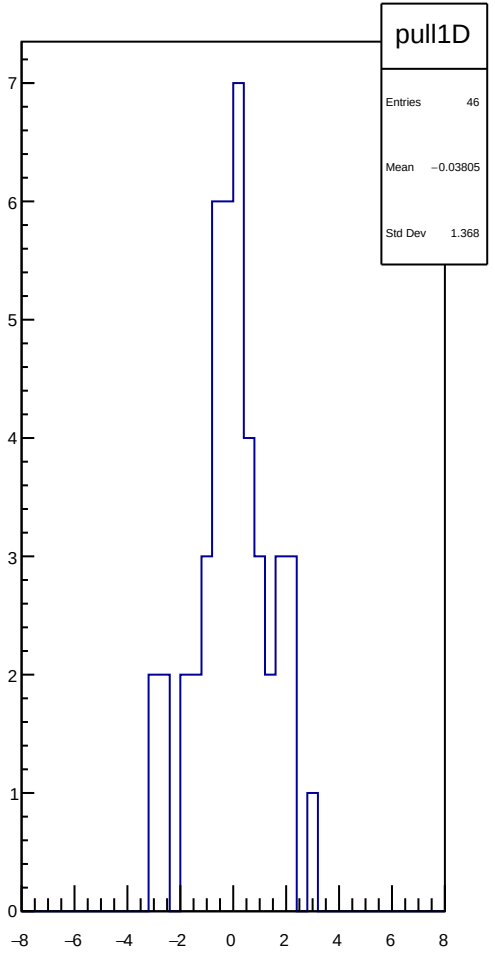

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 397.2 / 45
p0 −15.56 ± 0.3639
pull
Entries 46
Mean 41.61
Std Dev 13.56
pull1D
Entries 46
Mean 0.07427
Std Dev 1.879

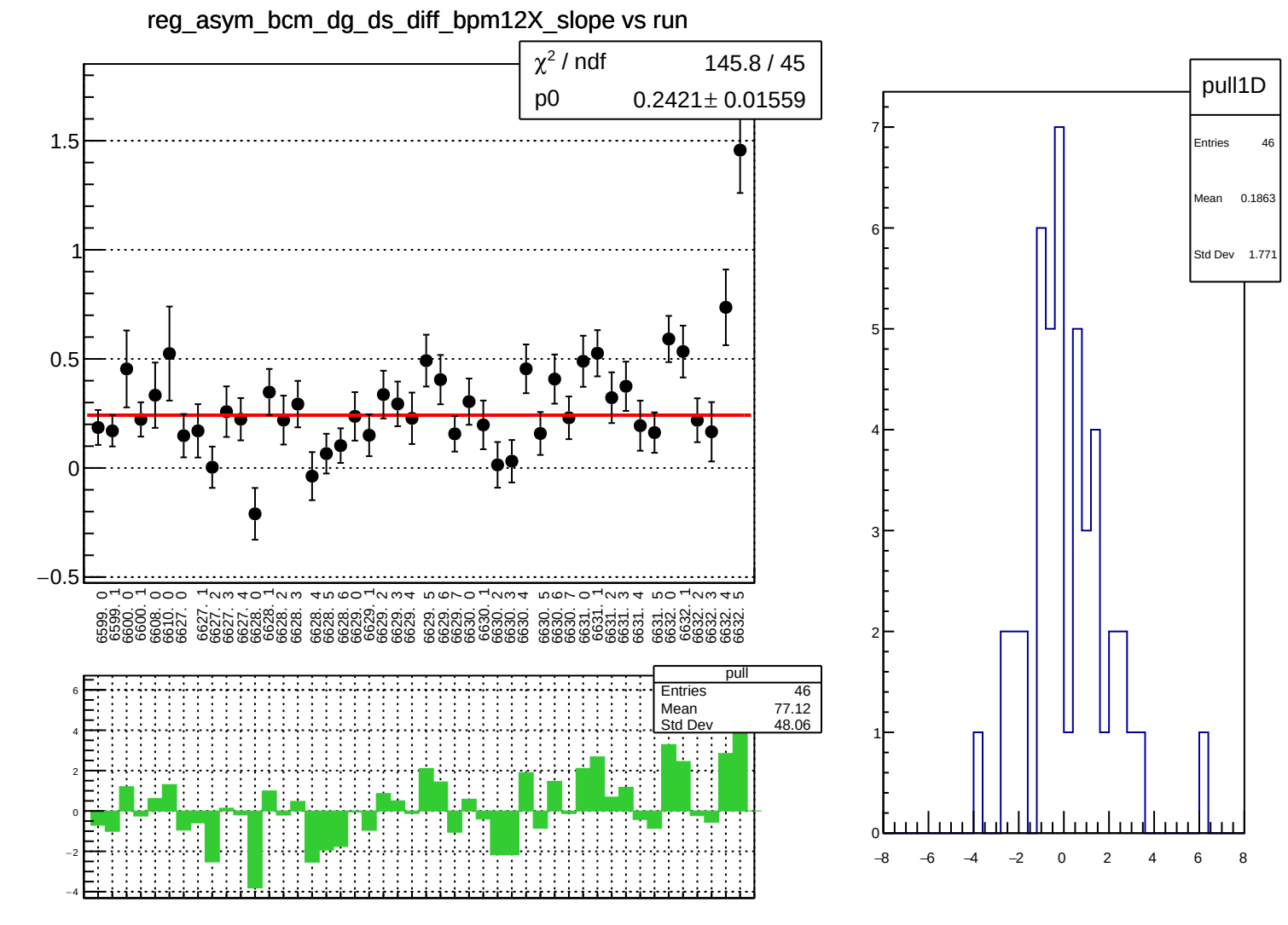

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 78.3 / 45
p0 0.5009 ± 0.2316
pull
Entries 46
Mean −435.3
Std Dev 455.9

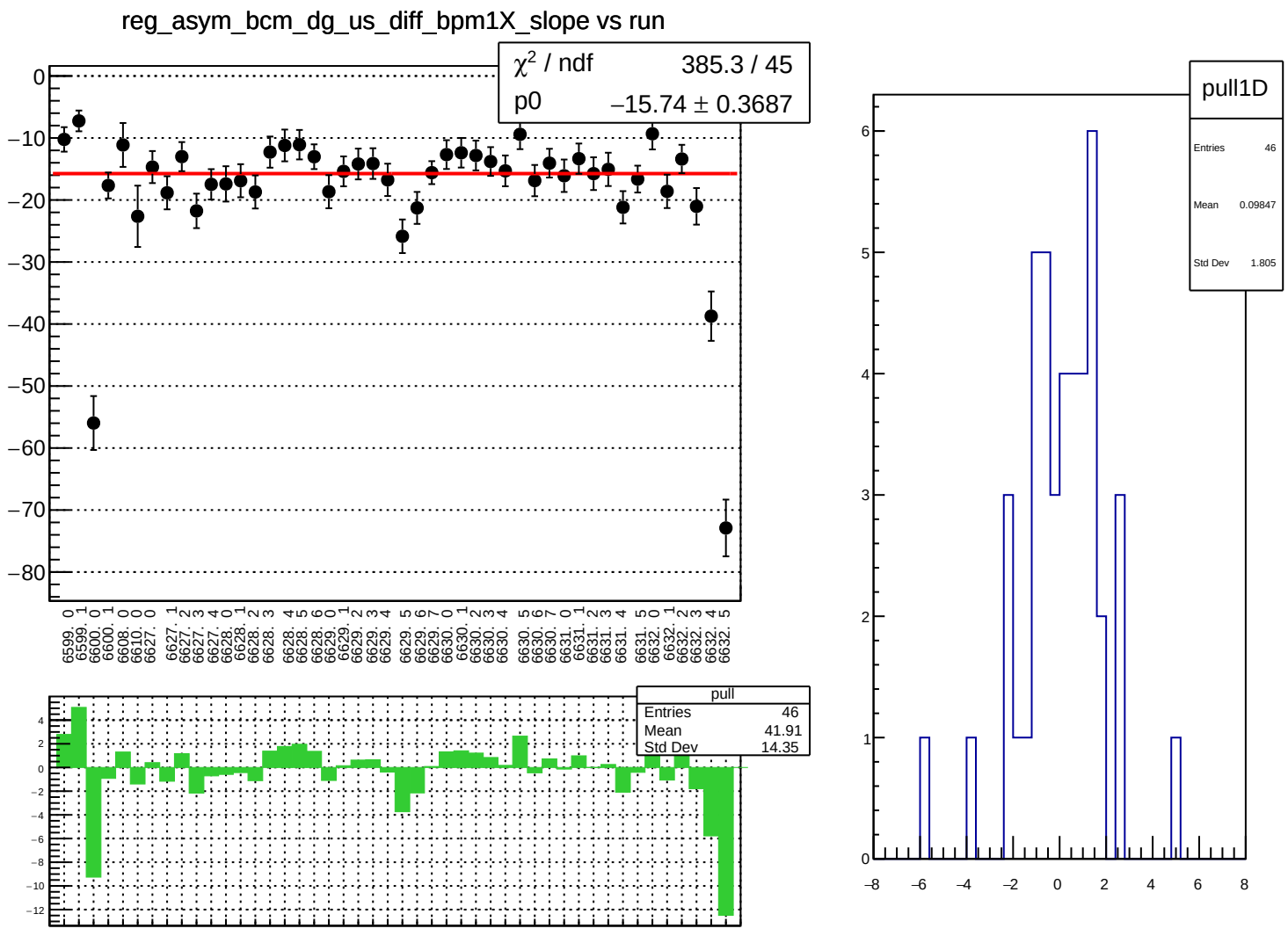

pull1D
Entries 46
Mean 0.01043
Std Dev 1.305

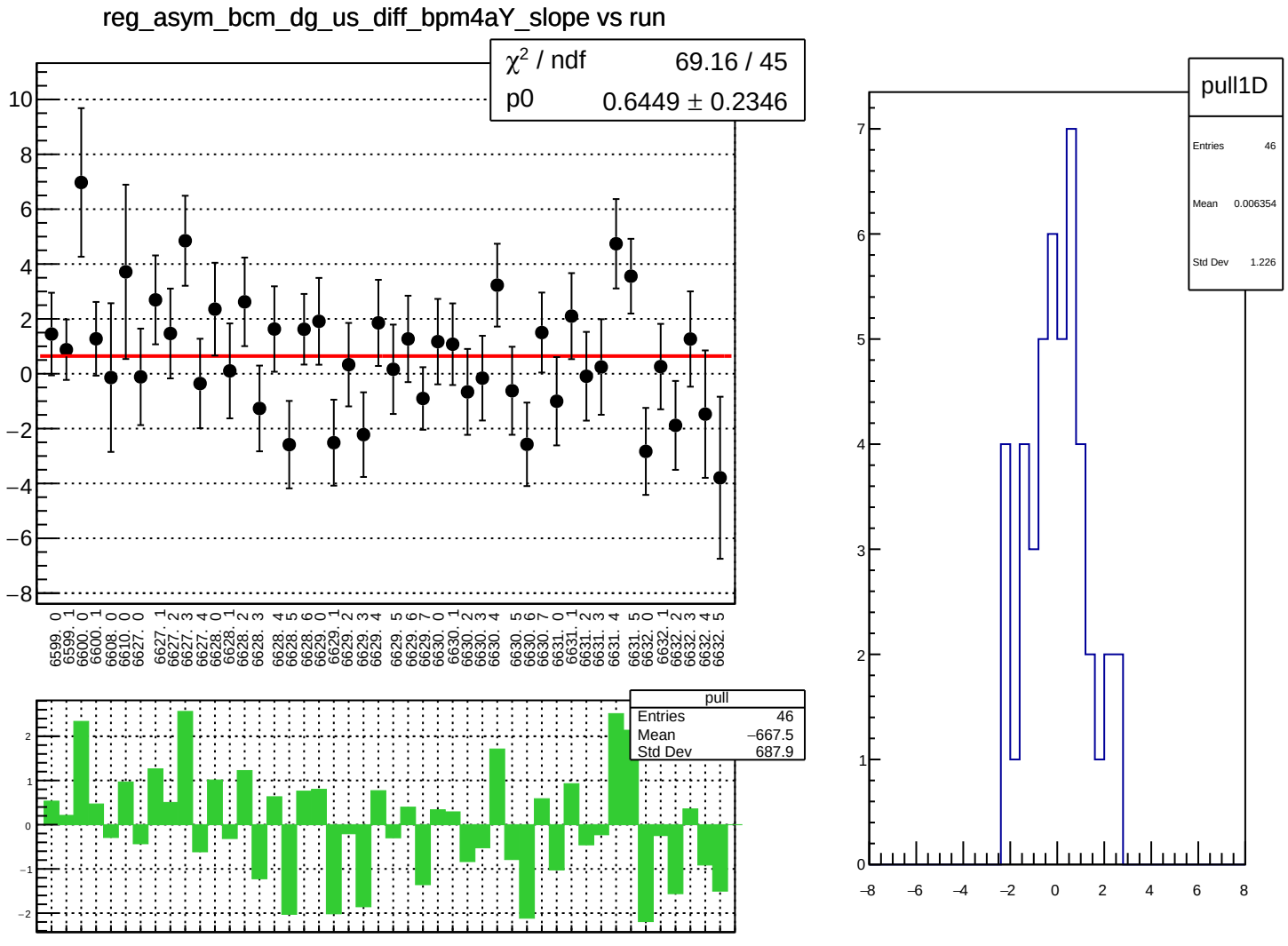

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 392.1 / 45
p0 16.32 ± 0.3894
pull
Entries 46
Mean 42.23
Std Dev 13.22
pull1D
Entries 46
Mean −0.07862
Std Dev 1.869

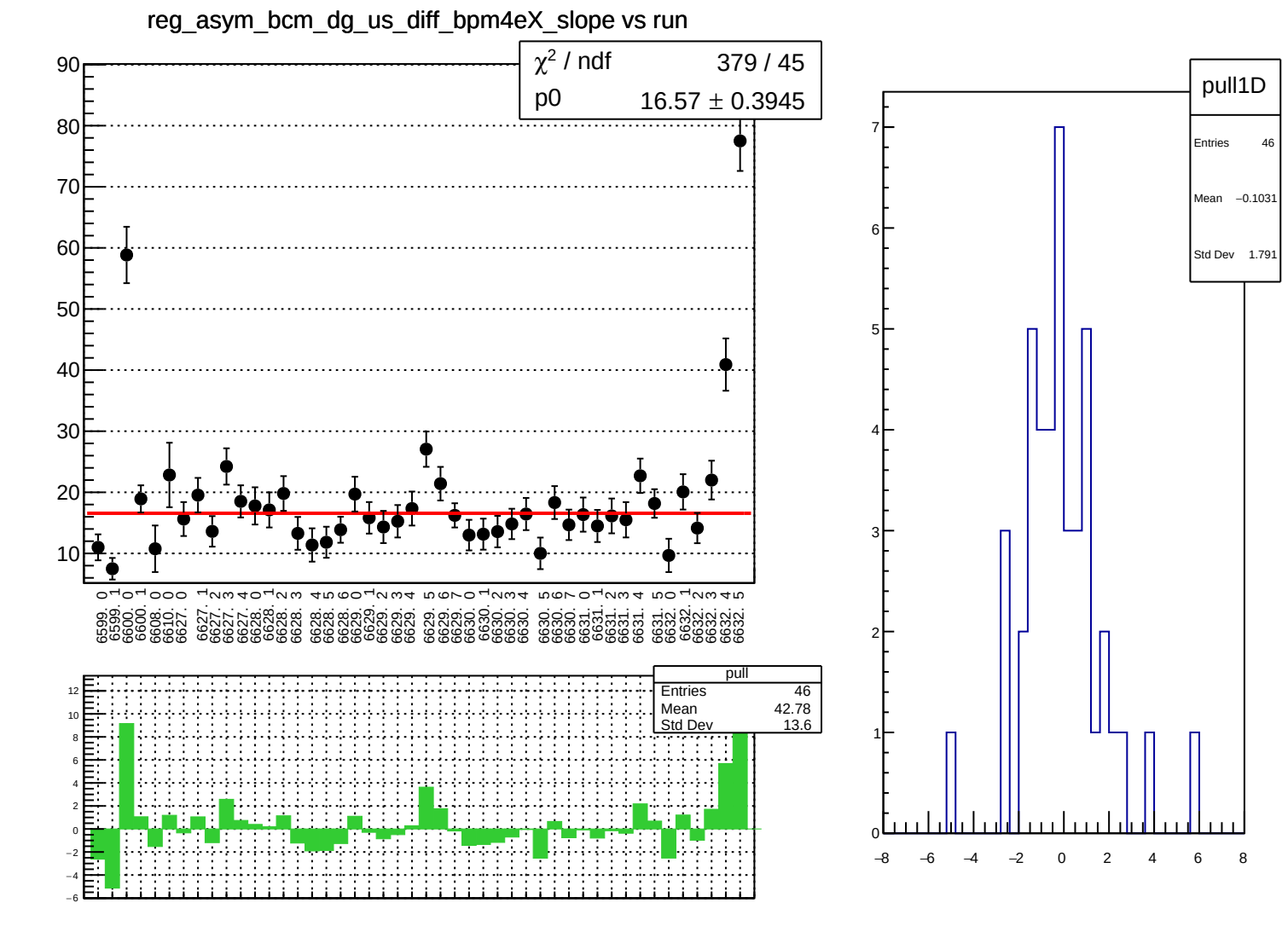

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 86.16 / 45
p0 −1.003 ± 0.2798
pull
Entries 46
Mean −92.24
Std Dev 110.2

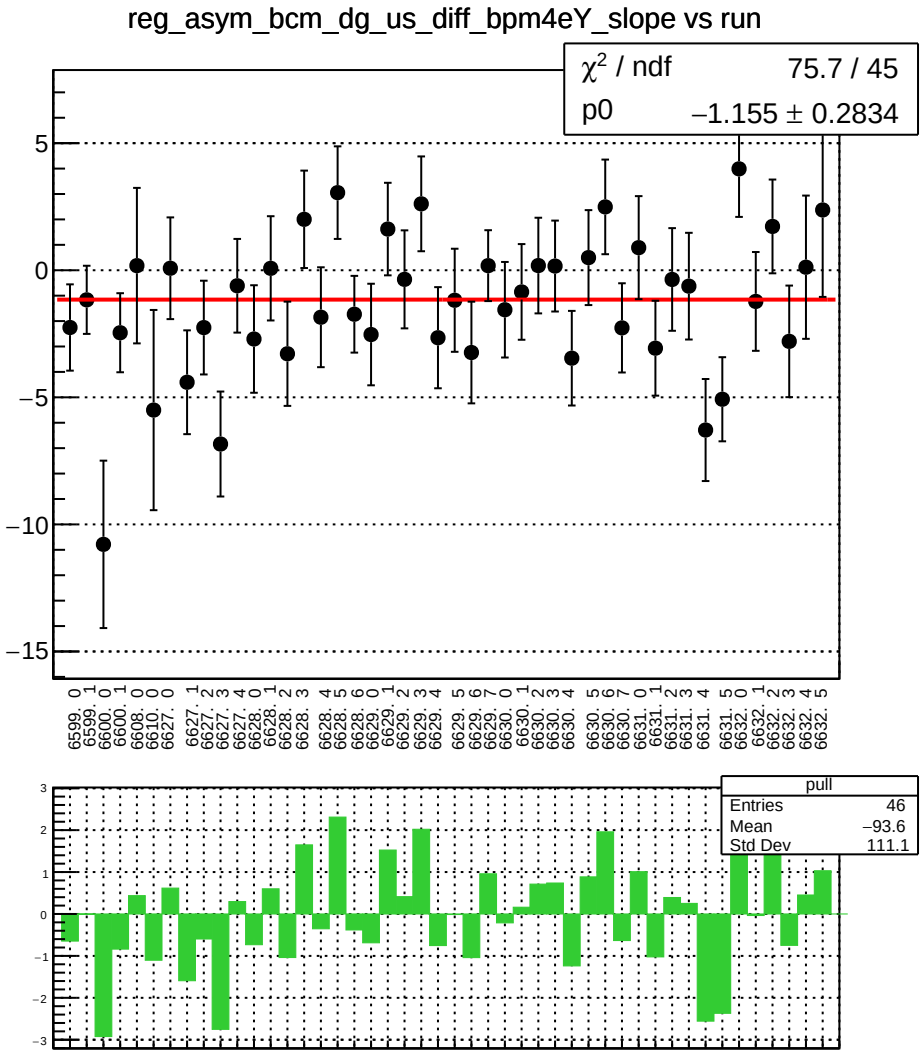

pull1D
Entries 46
Mean −0.03805
Std Dev 1.368

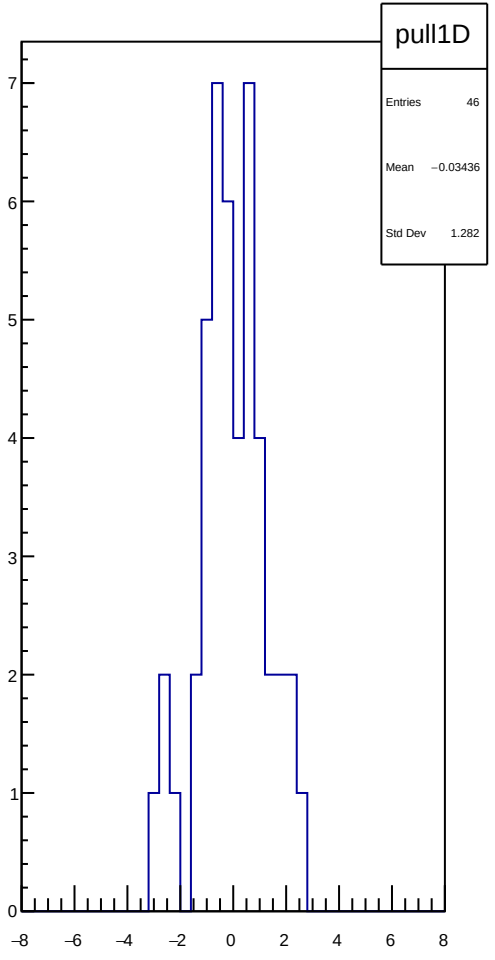

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 145.8 / 45
p0 0.2421± 0.01559
pull
Entries 46
Mean 77.12
Std Dev 48.06
pull1D
Entries 46
Mean 0.1863
Std Dev 1.771

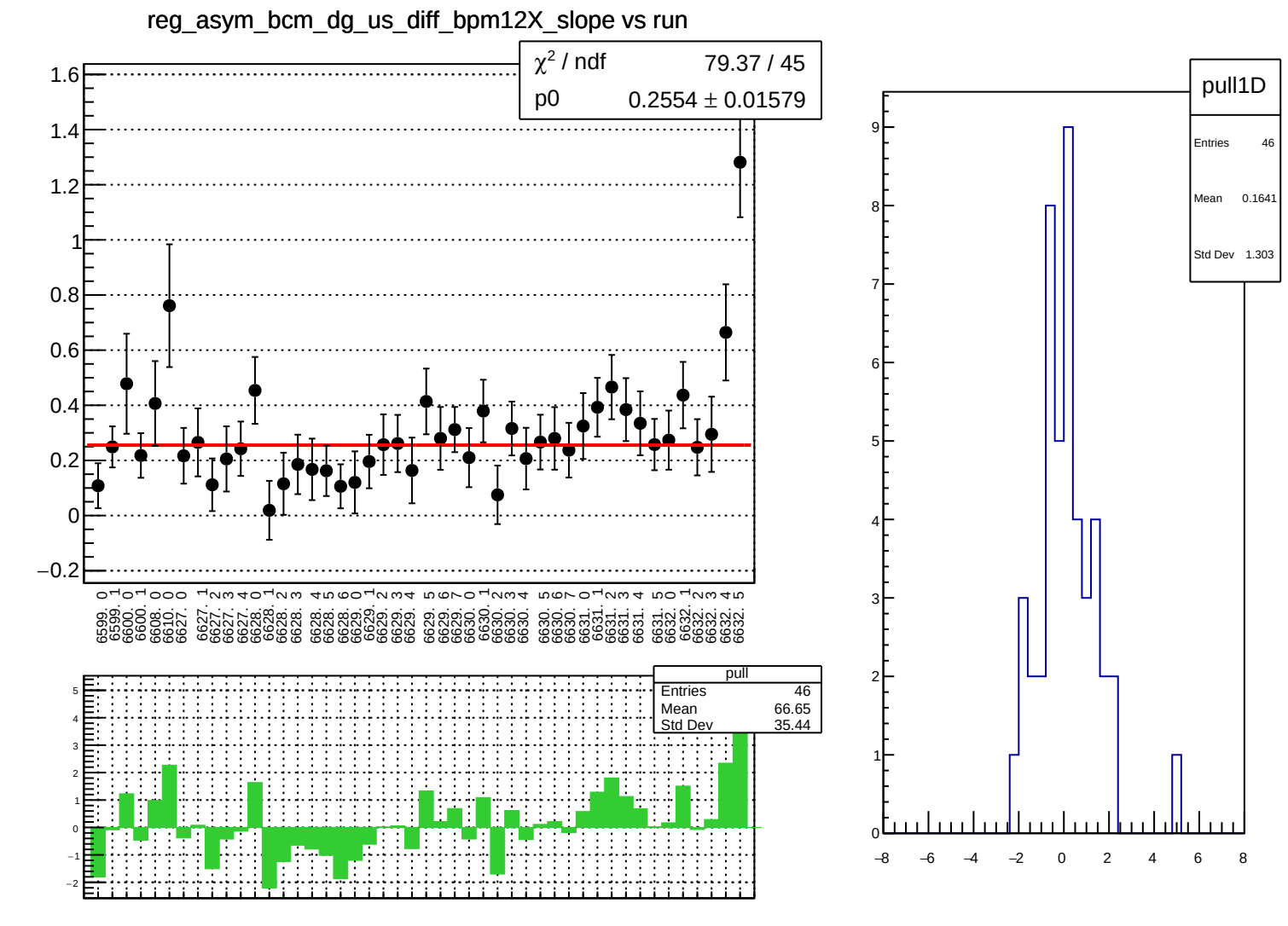

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 385.3 / 45
p0 −15.74 ± 0.3687
pull
Entries 46
Mean 41.91
Std Dev 14.35
pull1D
Entries 46
Mean 0.09847
Std Dev 1.805


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 69.16 / 45
p0 0.6449 ± 0.2346
pull
Entries 46
Mean −667.5
Std Dev 687.9
pull1D
Entries 46
Mean 0.006354
Std Dev 1.226


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 379 / 45
p0 16.57 ± 0.3945
pull
Entries 46
Mean 42.78
Std Dev 13.6
pull1D
Entries 46
Mean −0.1031
Std Dev 1.791


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 75.7 / 45
p0 −1.155 ± 0.2834
pull
Entries 46
Mean −93.6
Std Dev 111.1


pull1D
Entries 46
Mean −0.03436
Std Dev 1.282


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 79.37 / 45
p0 0.2554 ± 0.01579
pull
Entries 46
Mean 66.65
Std Dev 35.44
pull1D
Entries 46
Mean 0.1641
Std Dev 1.303