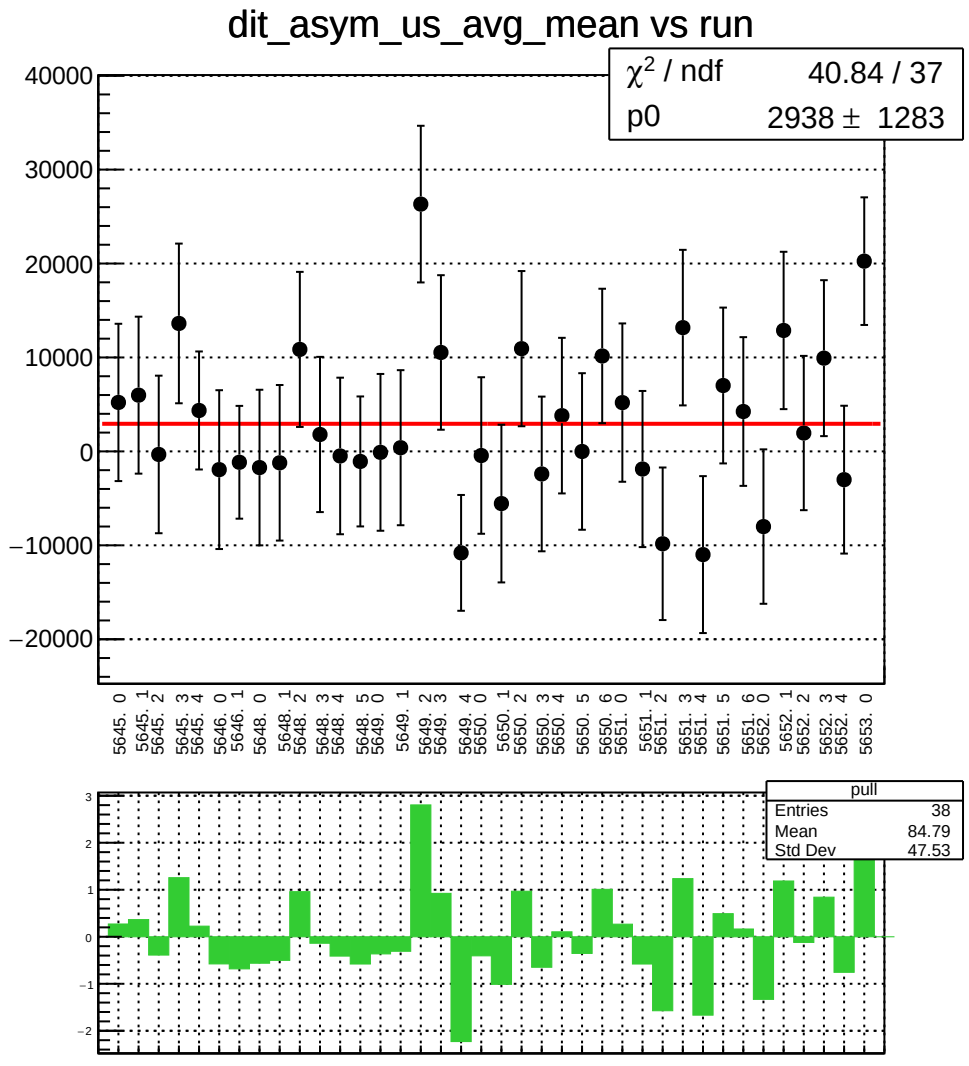
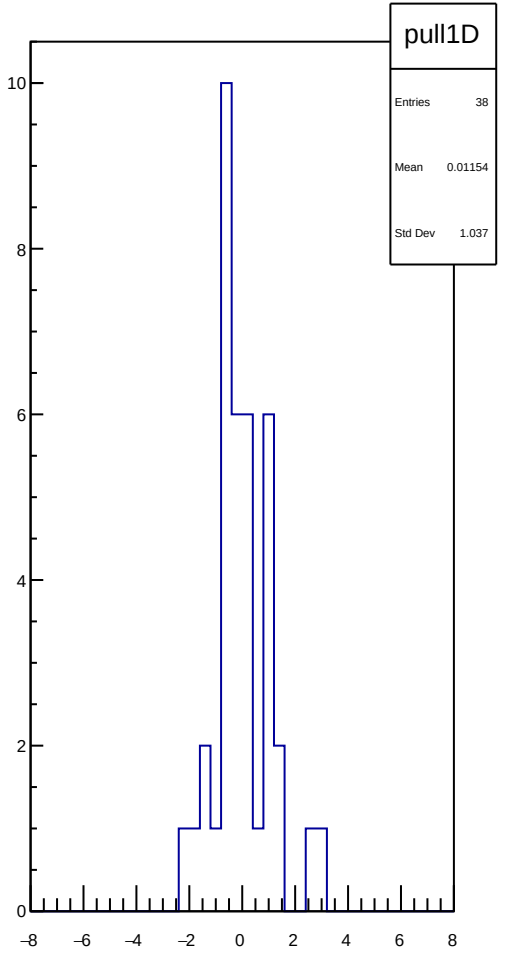
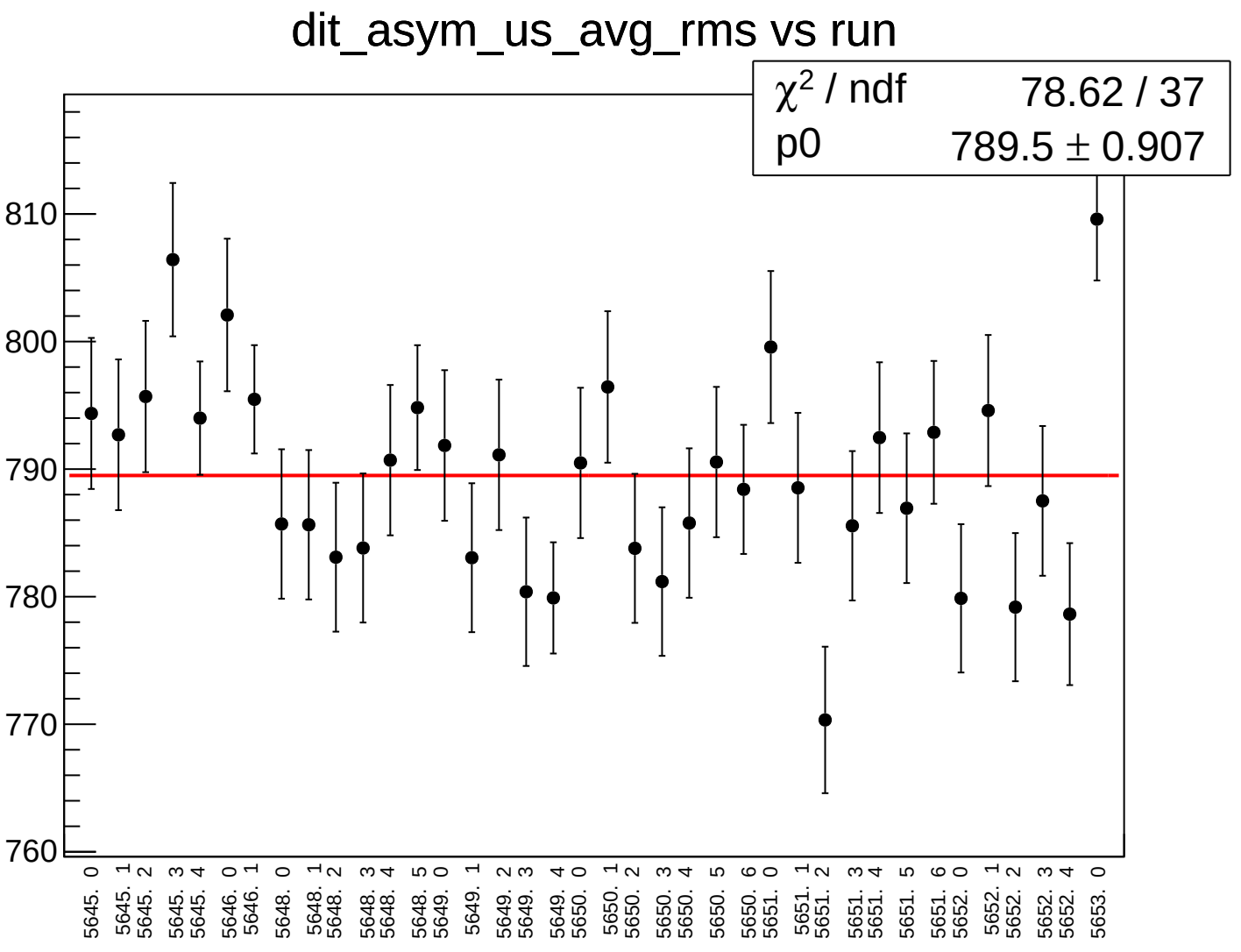
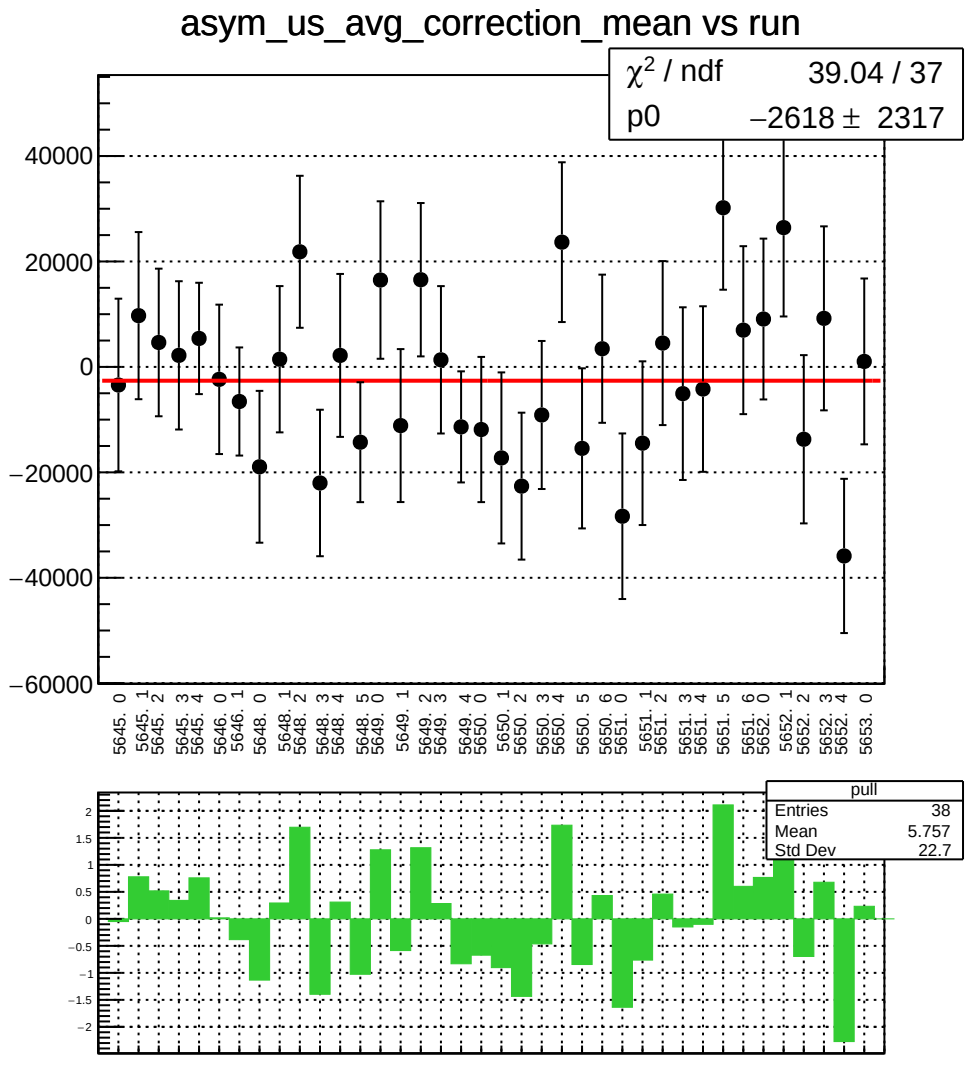
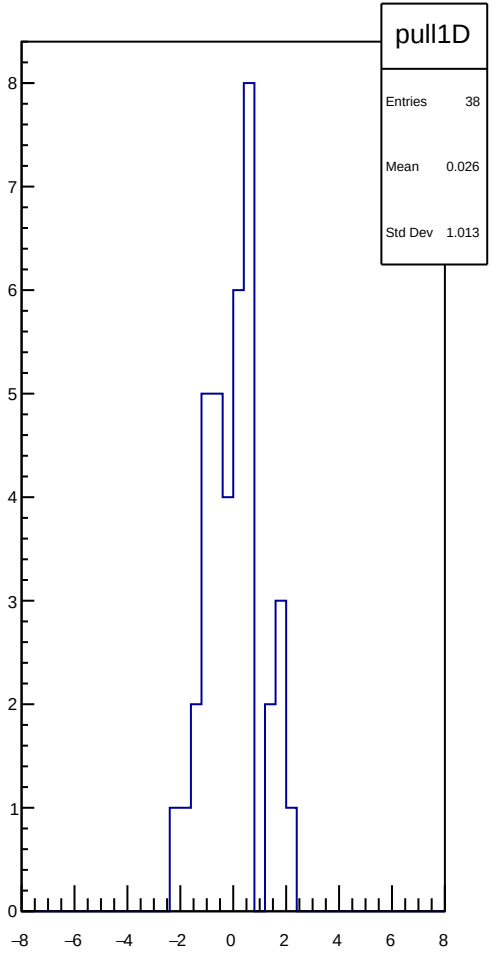
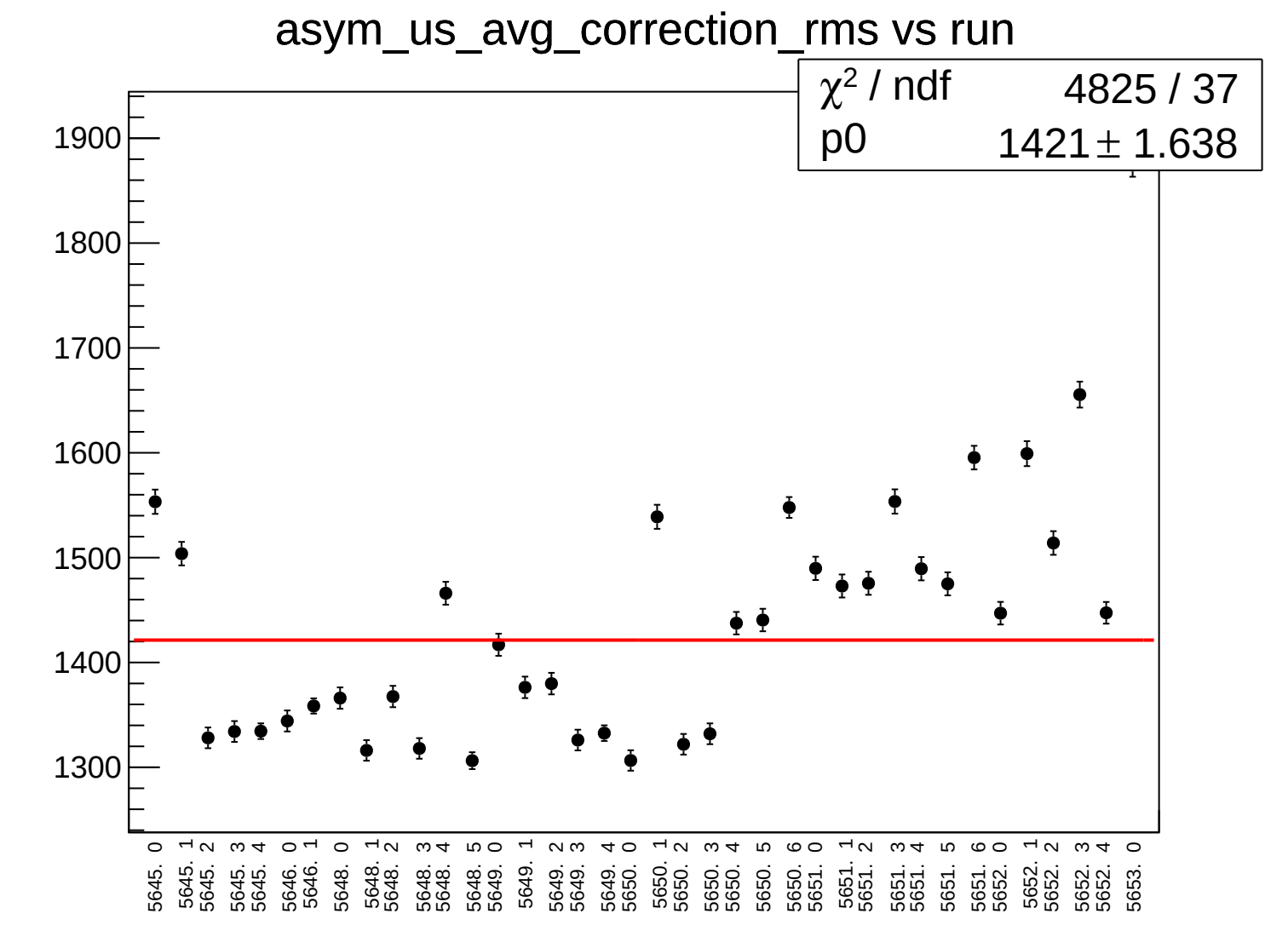

dit_asym_us_avg_mean vs run
χ² / ndf 40.84 / 37
p0 2938 ± 1283
40000
30000
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 84.79
Std Dev 47.53
3
2
1
0
−1
−2

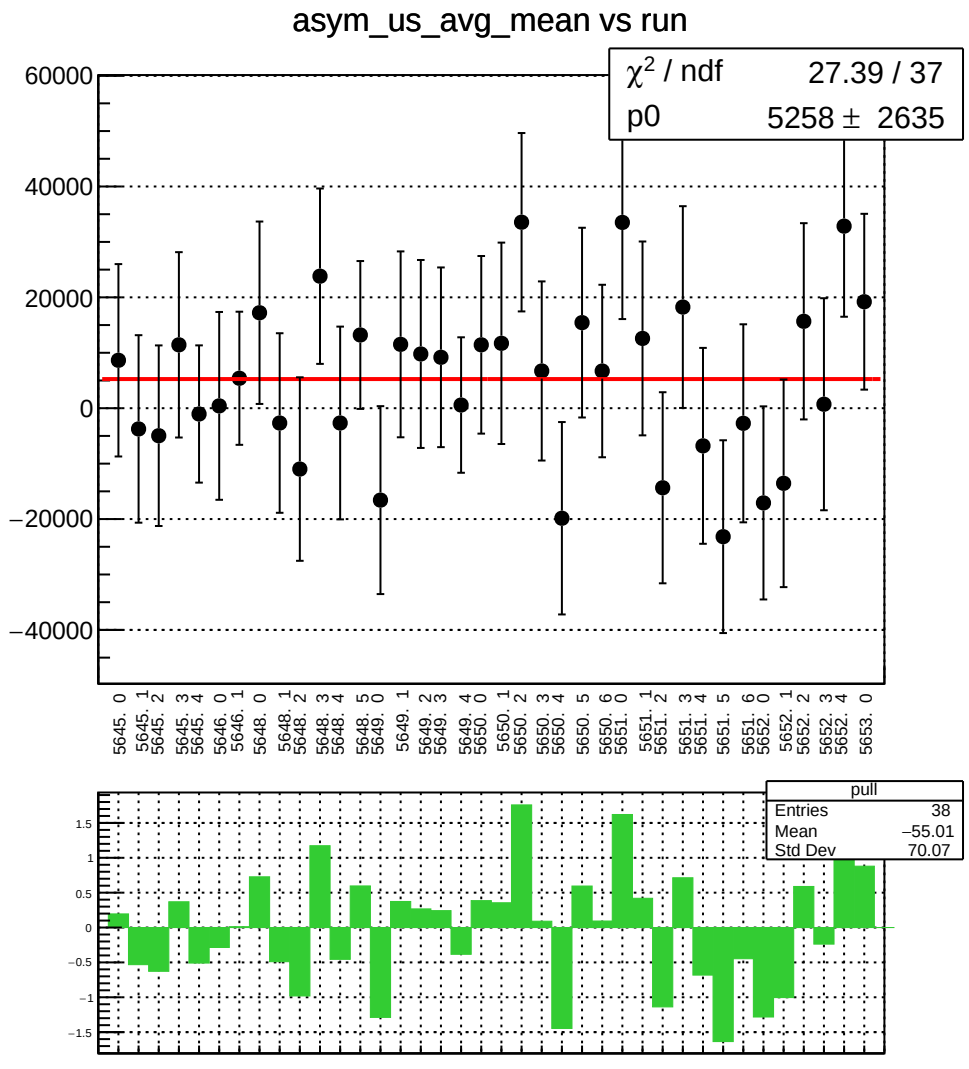

pull1D
Entries 38
Mean 0.01154
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

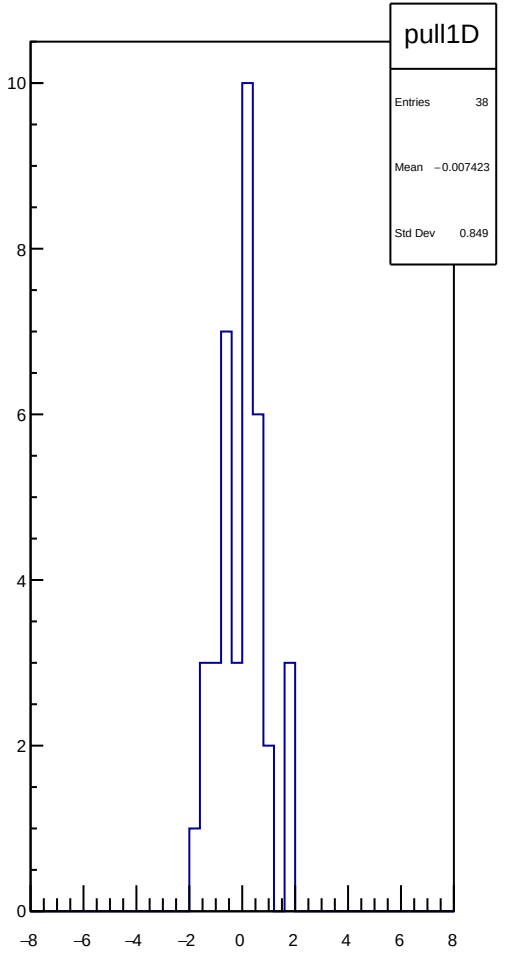

dit_asym_us_avg_rms vs run
χ² / ndf 78.62 / 37
p0 789.5 ± 0.907
810
800
790
780
770
760
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

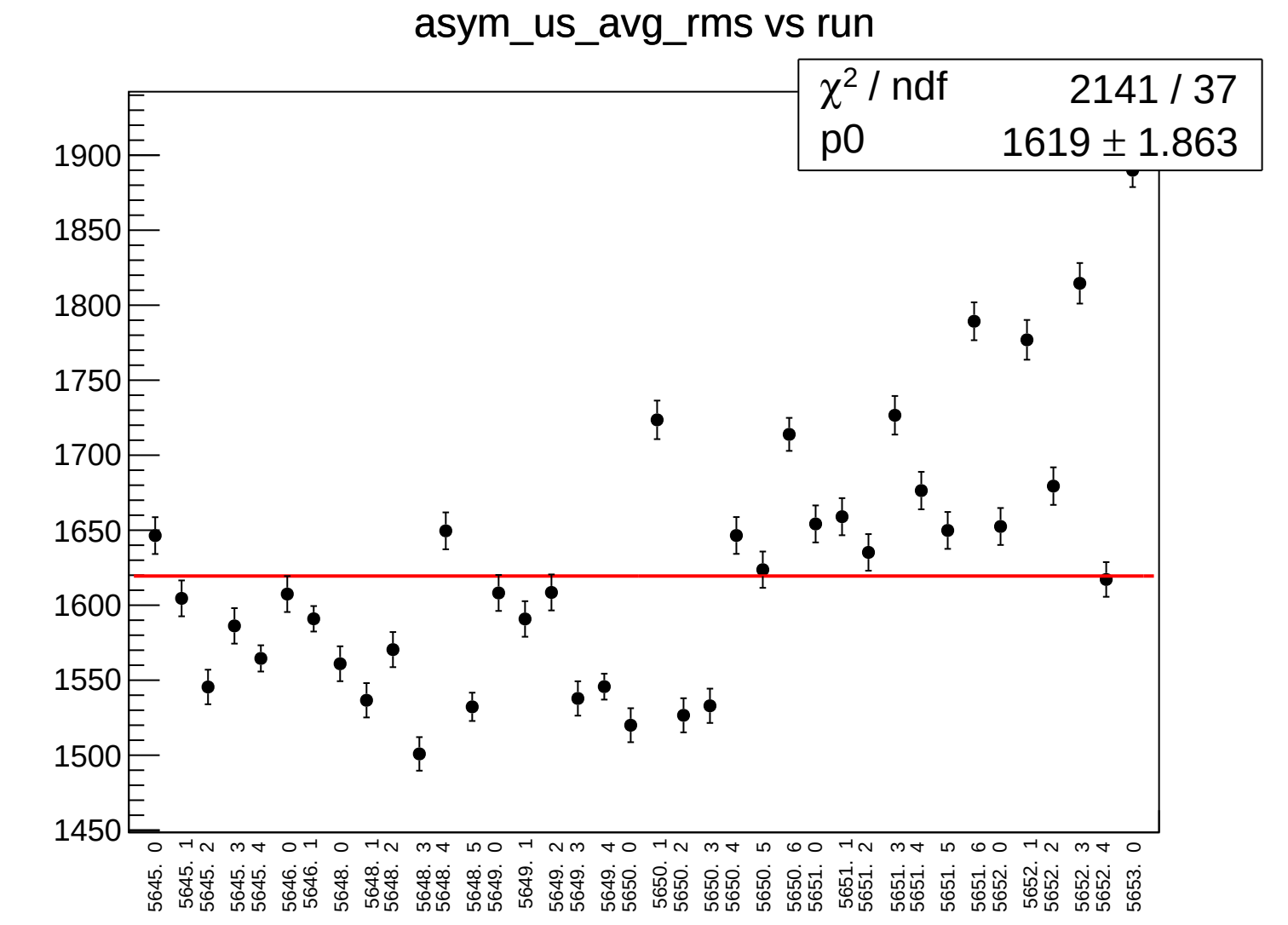

asym_us_avg_correction_mean vs run
χ² / ndf 39.04 / 37
p0 −2618 ± 2317
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 5.757
Std Dev 22.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

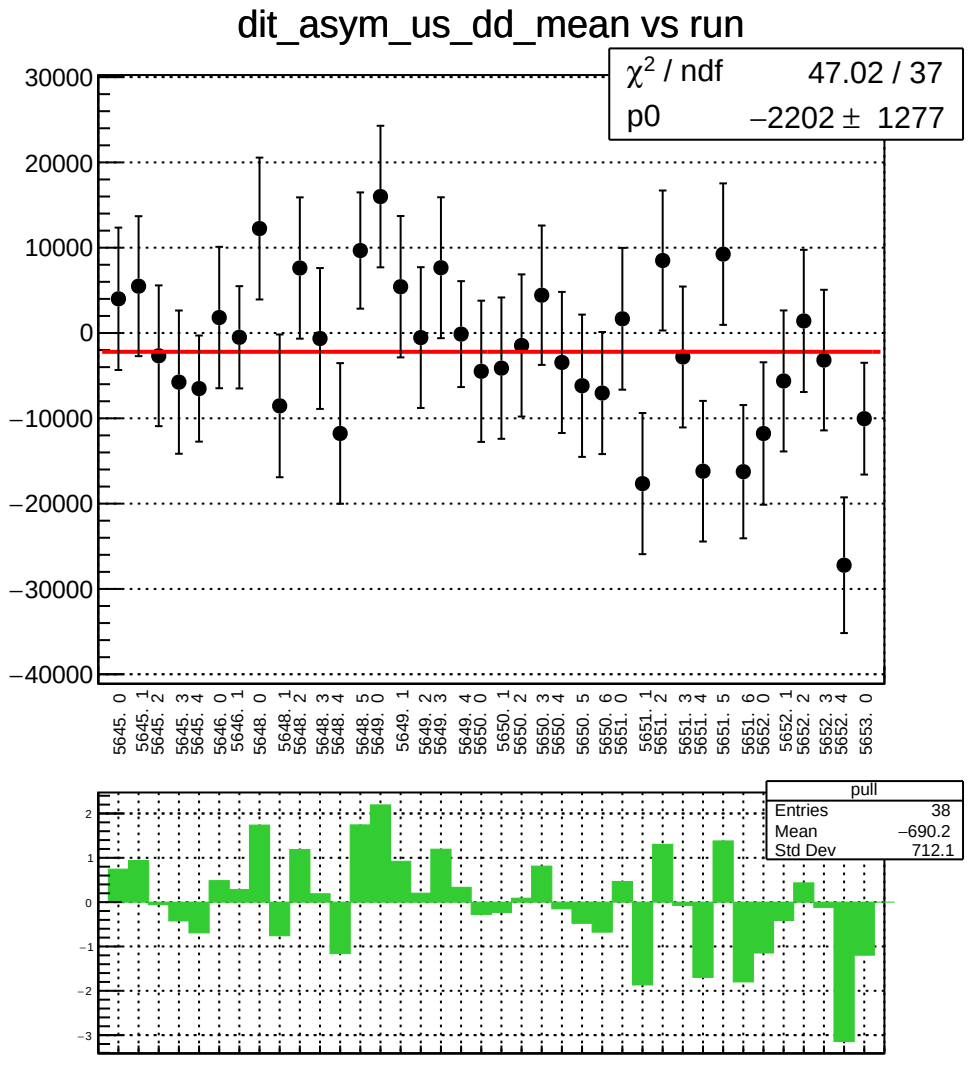

pull1D
Entries 38
Mean 0.026
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

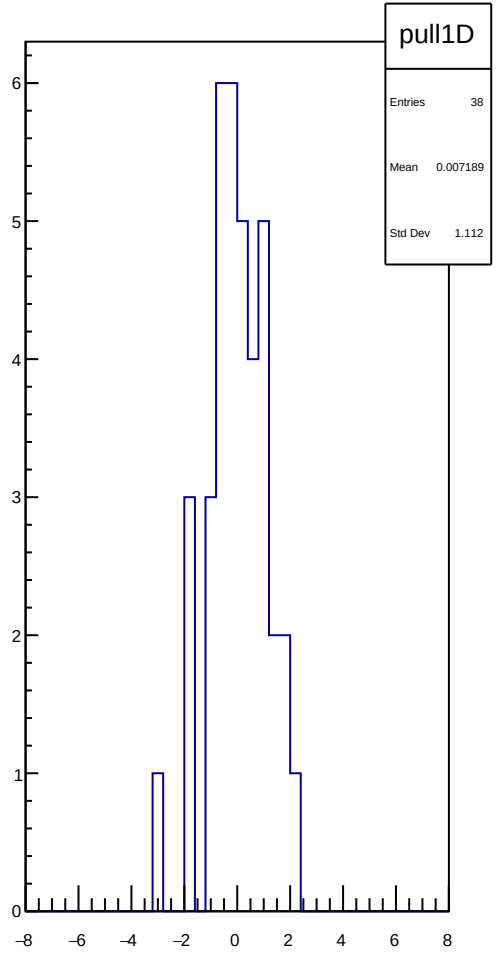

asym_us_avg_correction_rms vs run
χ² / ndf 4825 / 37
p0 1421 ± 1.638
1900
1800
1700
1600
1500
1400
1300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

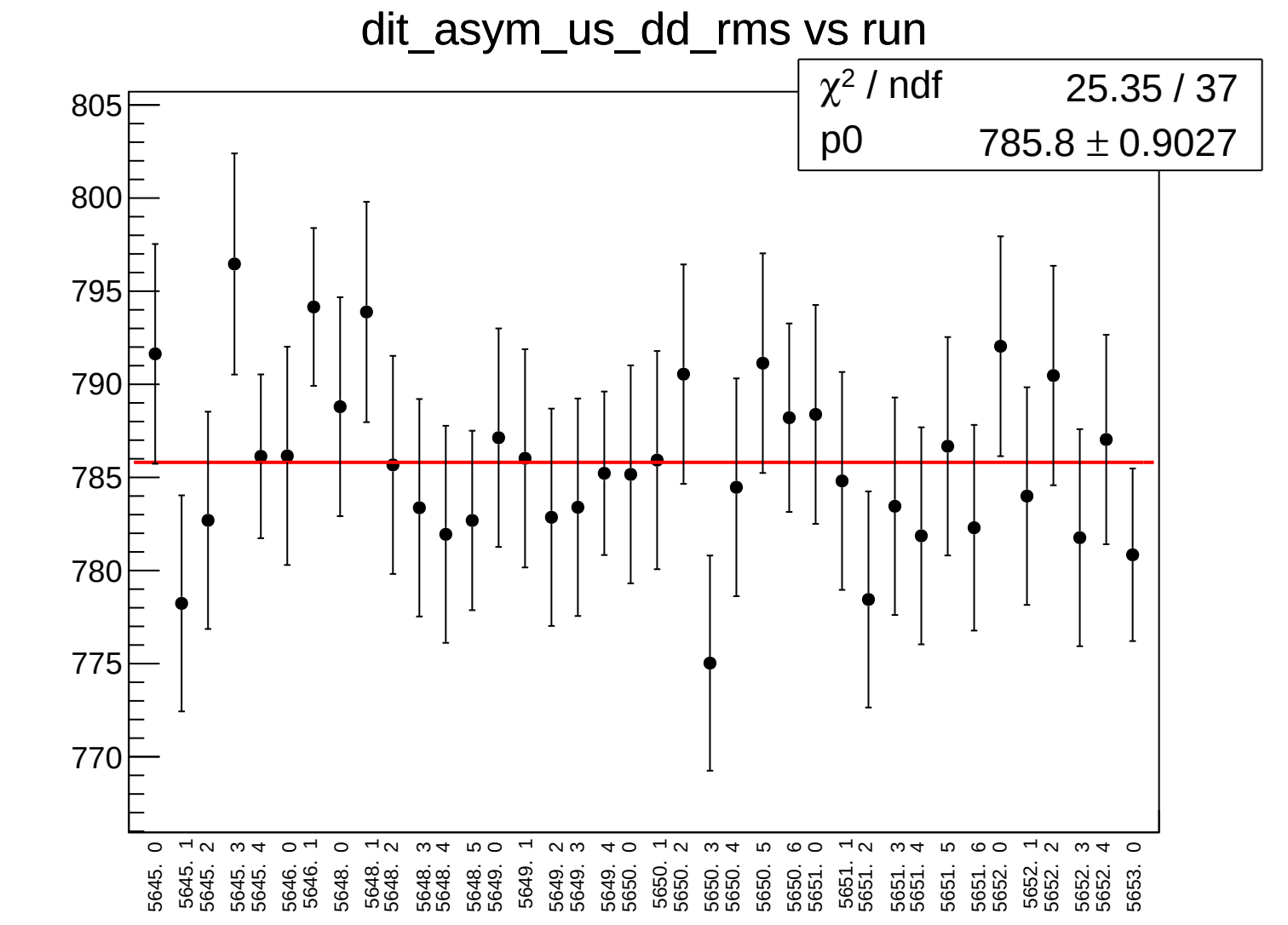

asym_us_avg_mean vs run
χ² / ndf 27.39 / 37
p0 5258 ± 2635
60000
40000
20000
0
−20000
−40000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −55.01
Std Dev 70.07
1.5
1
0.5
0
−0.5
−1
−1.5

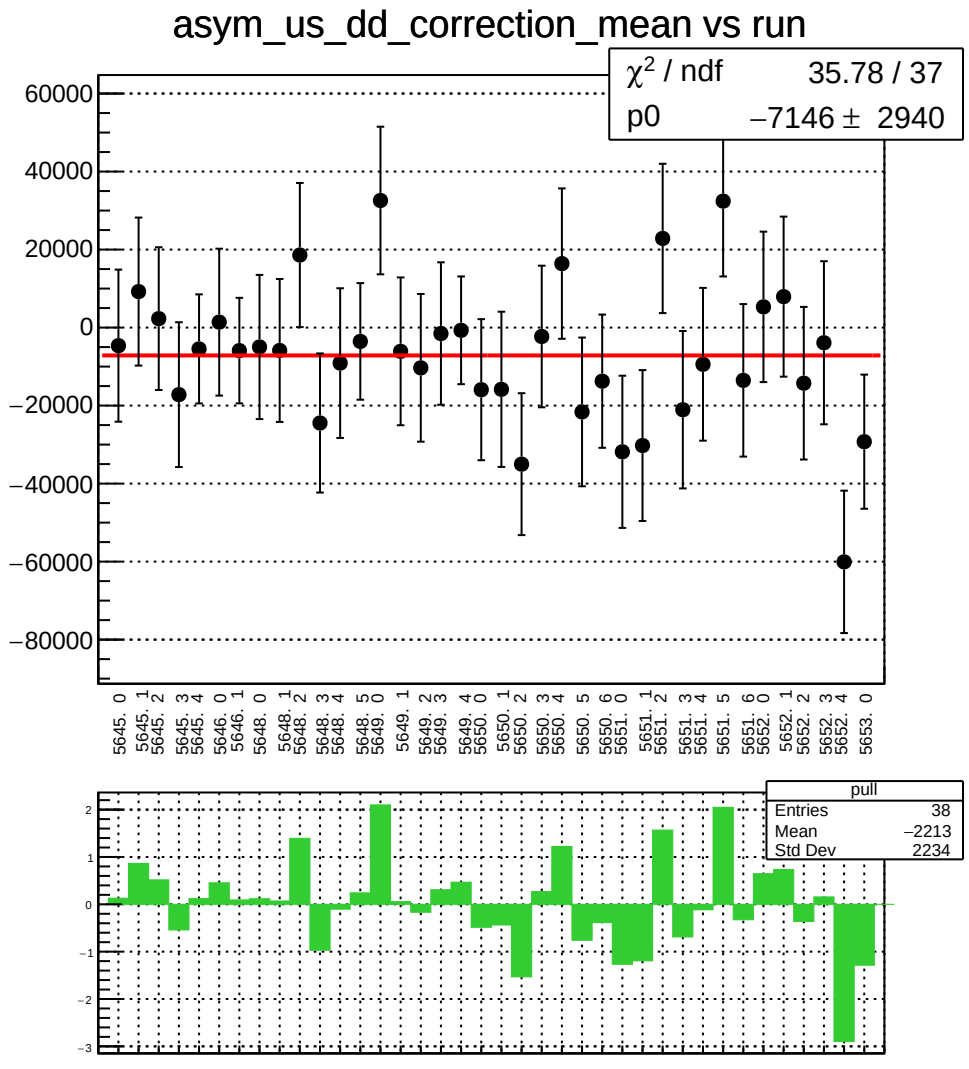

pull1D
Entries 38
Mean −0.007423
Std Dev 0.849
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

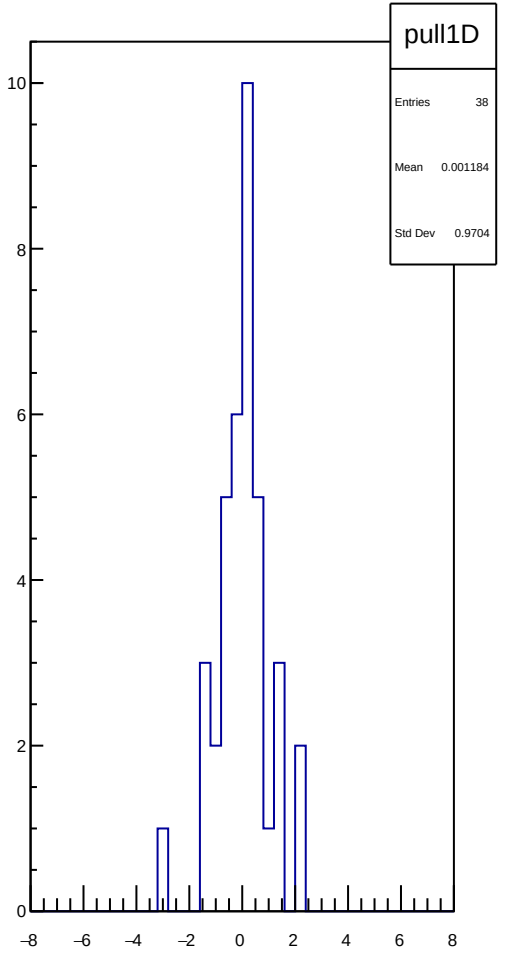

asym_us_avg_rms vs run
χ² / ndf 2141 / 37
p0 1619 ± 1.863
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

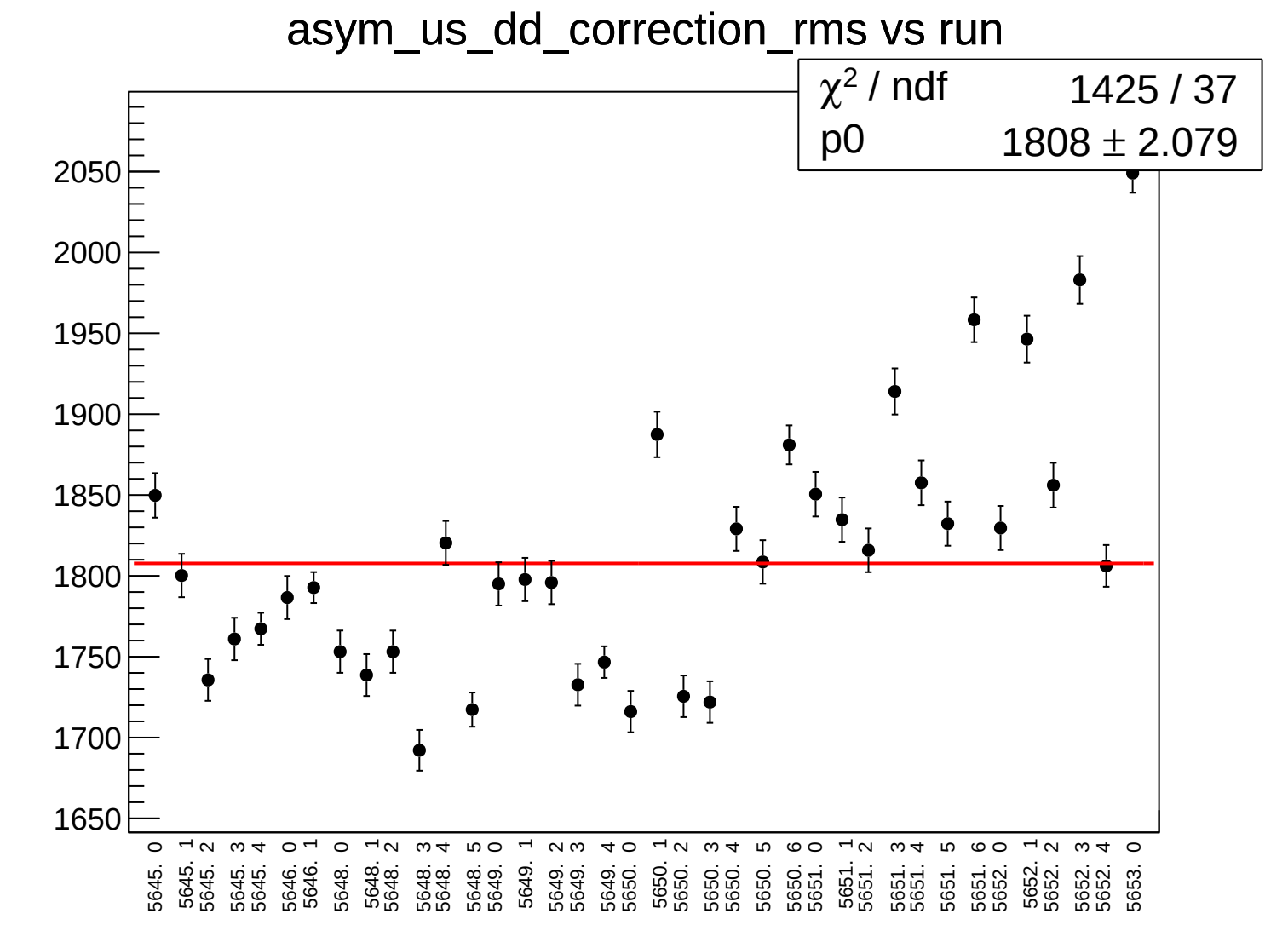

dit_asym_us_dd_mean vs run
χ² / ndf 47.02 / 37
p0 −2202 ± 1277
30000
20000
10000
0
−10000
−20000
−30000
−40000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −690.2
Std Dev 712.1
2
1
0
−1
−2
−3

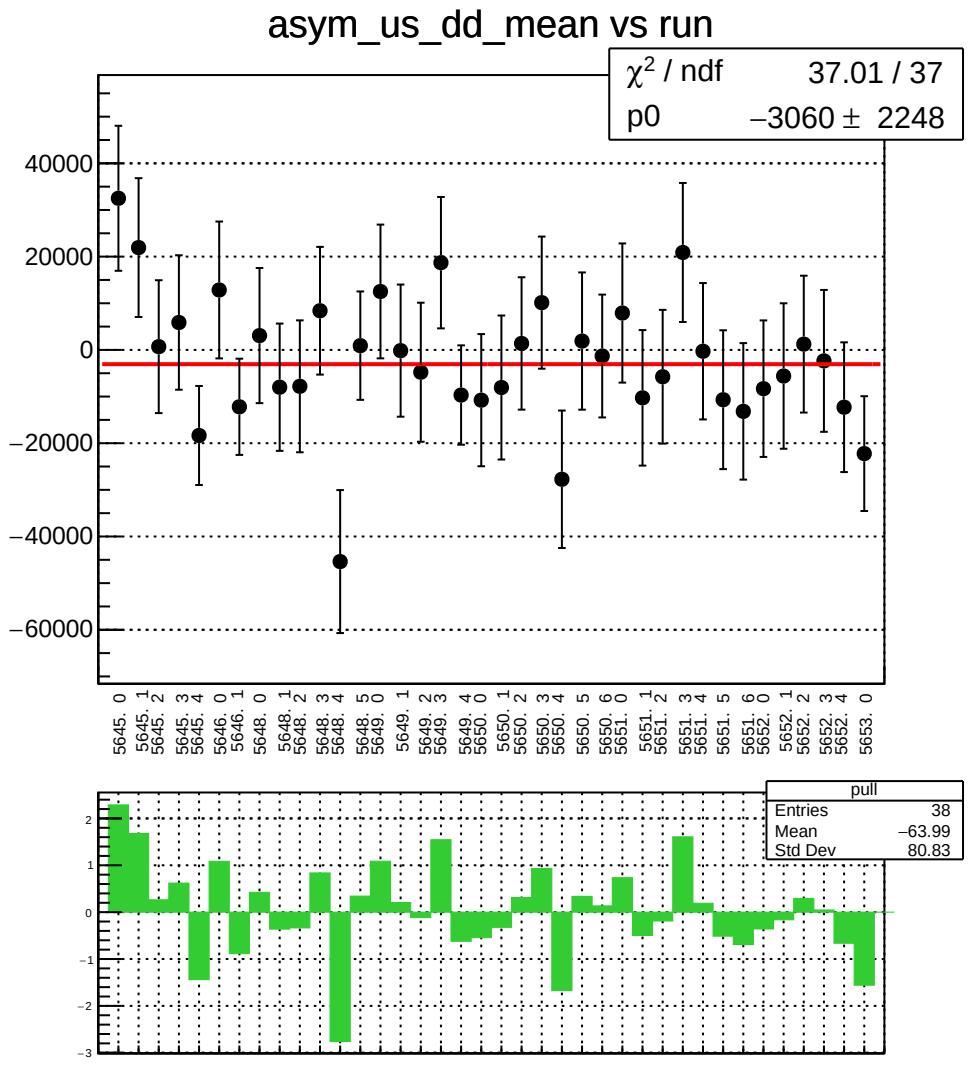

pull1D
Entries 38
Mean 0.007189
Std Dev 1.112
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

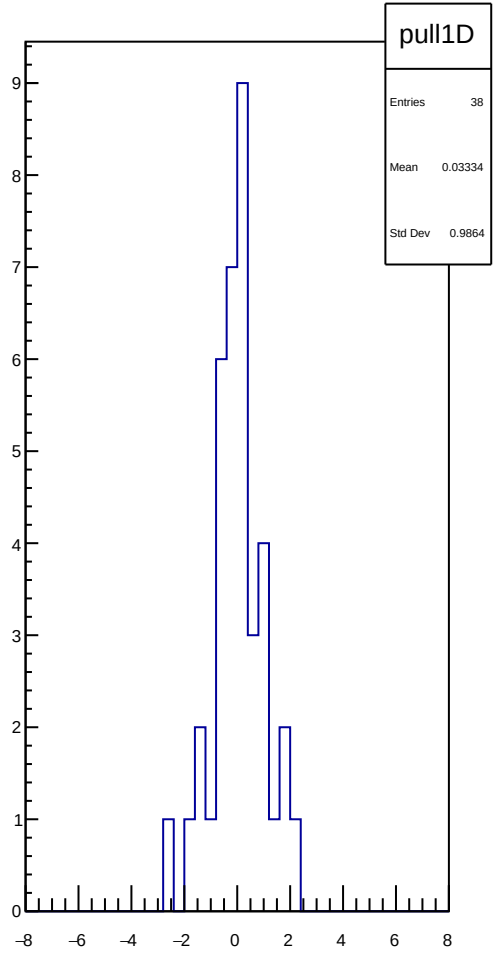

dit_asym_us_dd_rms vs run
χ² / ndf 25.35 / 37
p0 785.8 ± 0.9027
805
800
795
790
785
780
775
770
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

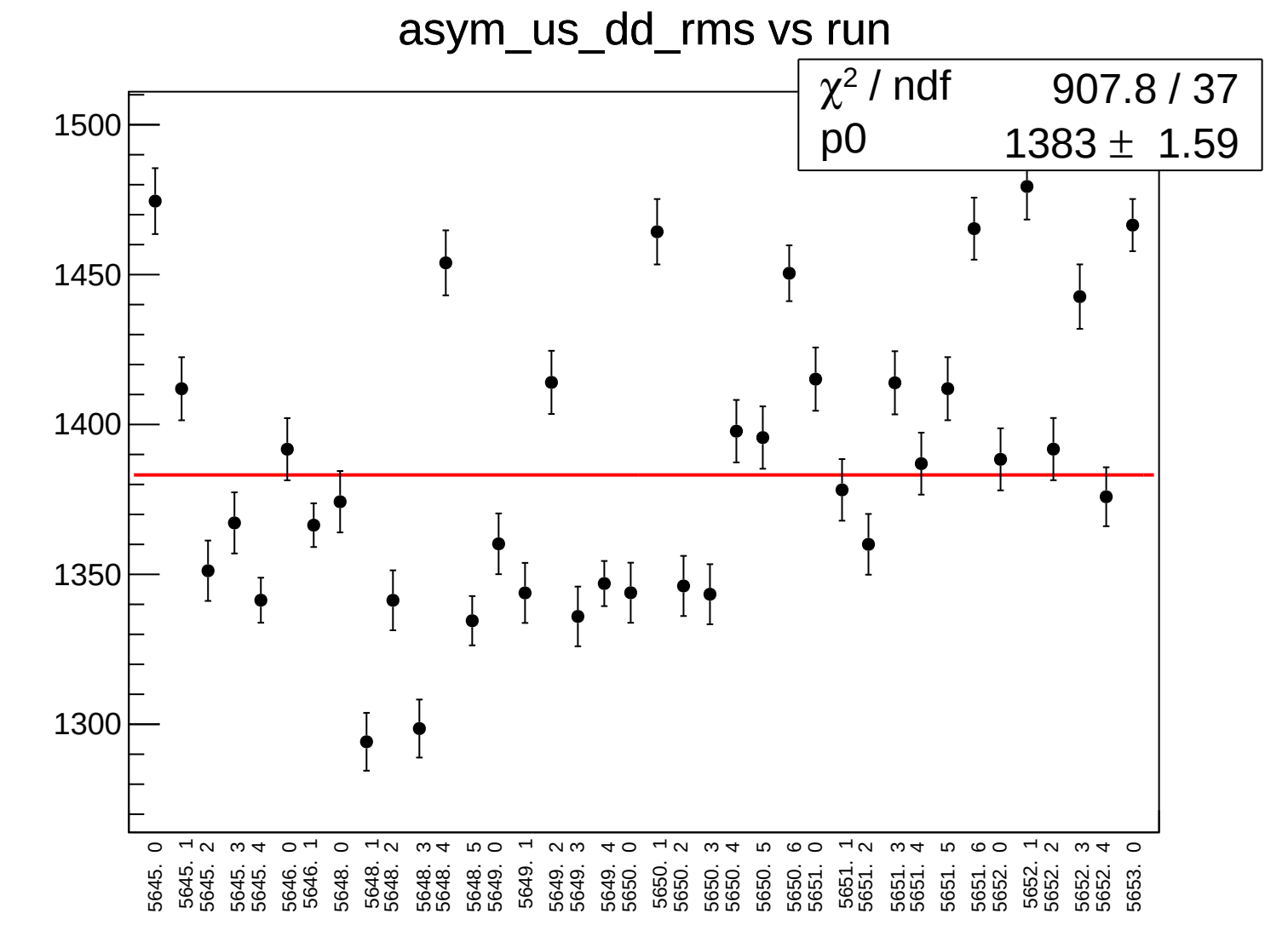

asym_us_dd_correction_mean vs run
χ² / ndf 35.78 / 37
p0 −7146 ± 2940
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −2213
Std Dev 2234
2
1
0
−1
−2
−3

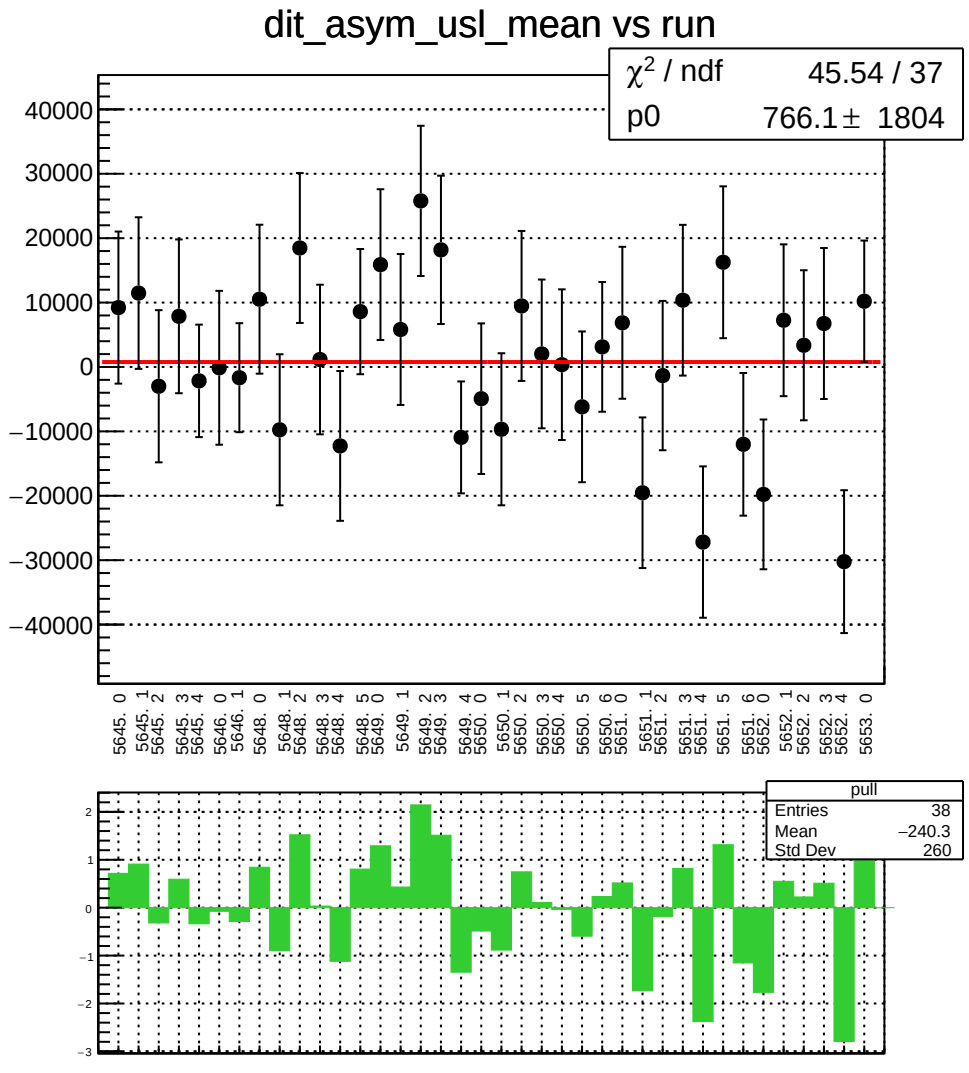

pull1D
Entries 38
Mean 0.001184
Std Dev 0.9704
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

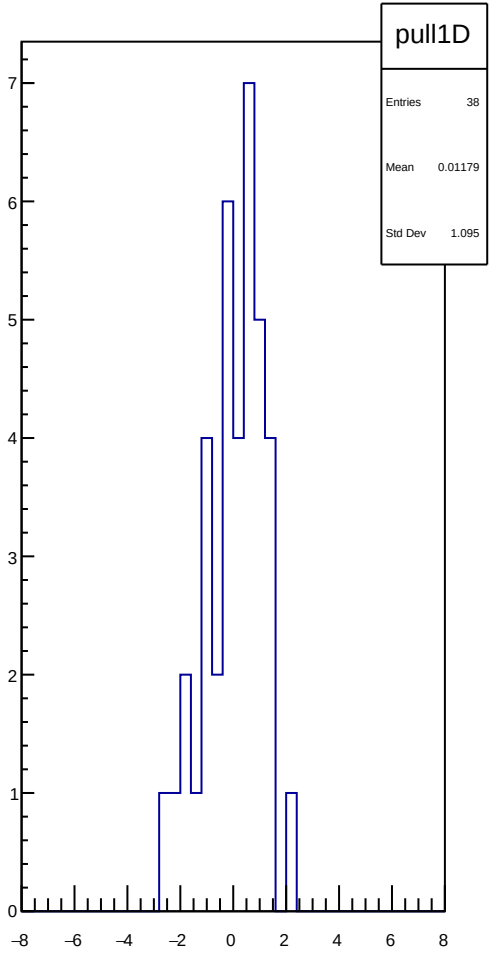

asym_us_dd_correction_rms vs run
χ² / ndf 1425 / 37
p0 1808 ± 2.079
2050
2000
1950
1900
1850
1800
1750
1700
1650
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

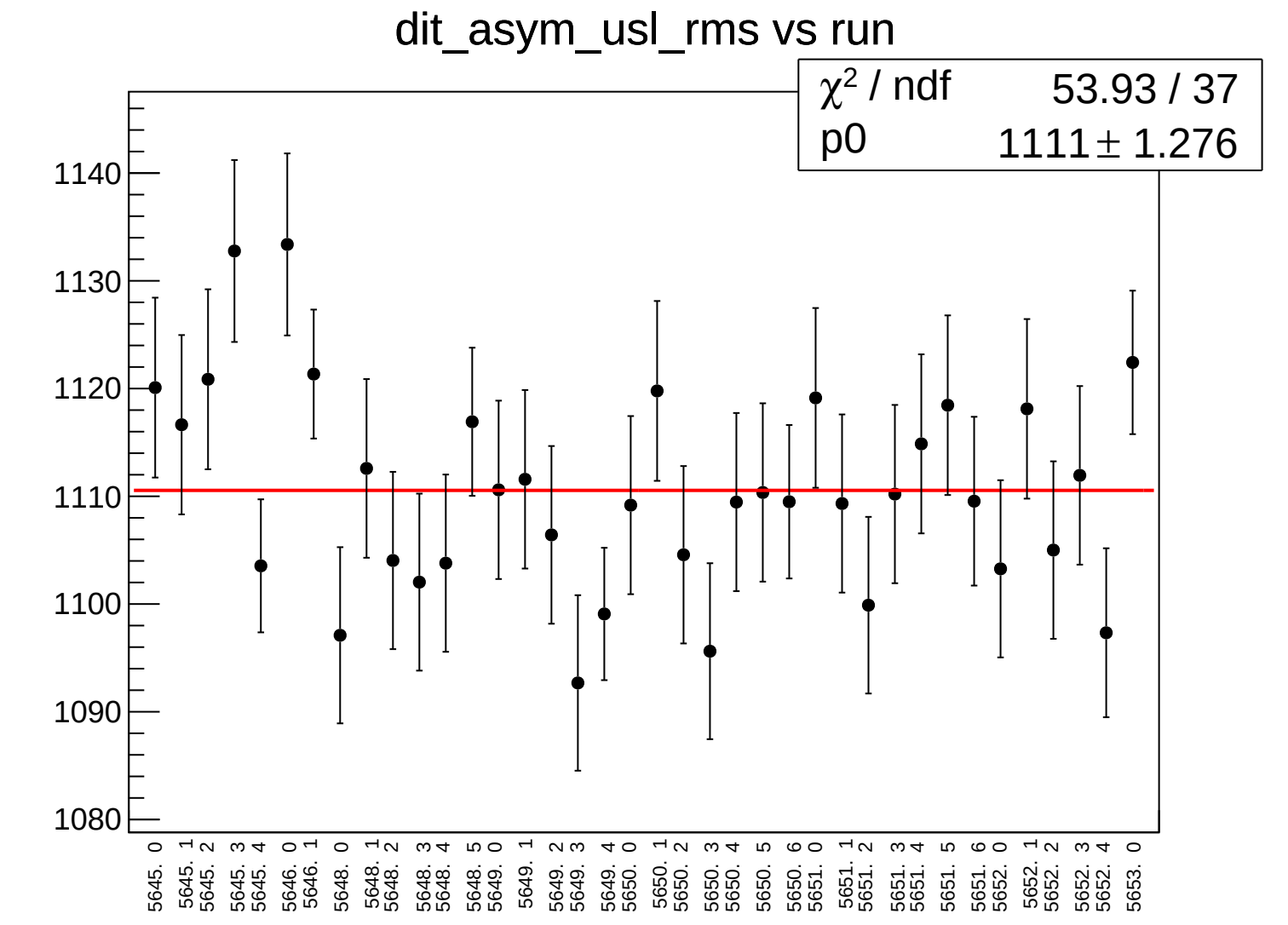

asym_us_dd_mean vs run
χ² / ndf 37.01 / 37
p0 −3060 ± 2248
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −63.99
Std Dev 80.83
2
1
0
−1
−2
−3

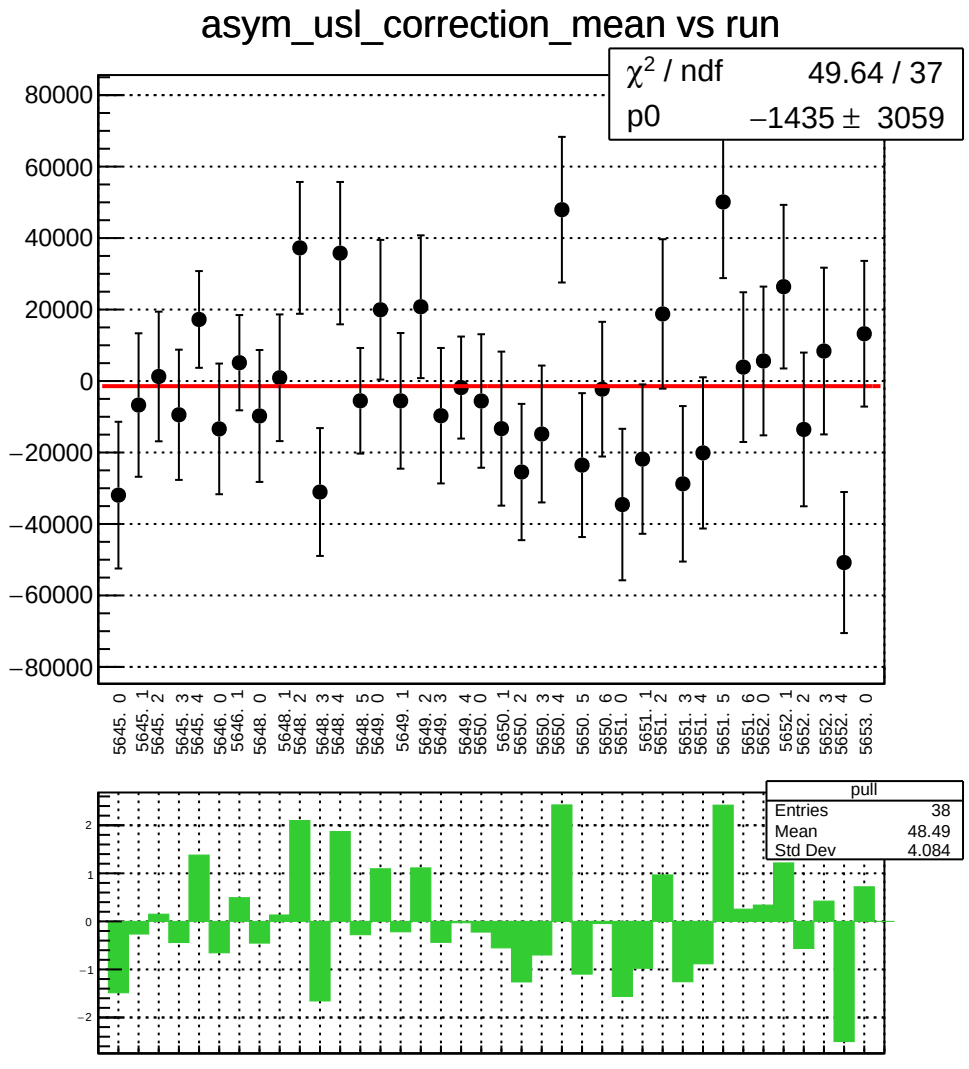

pull1D
Entries 38
Mean 0.03334
Std Dev 0.9864
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

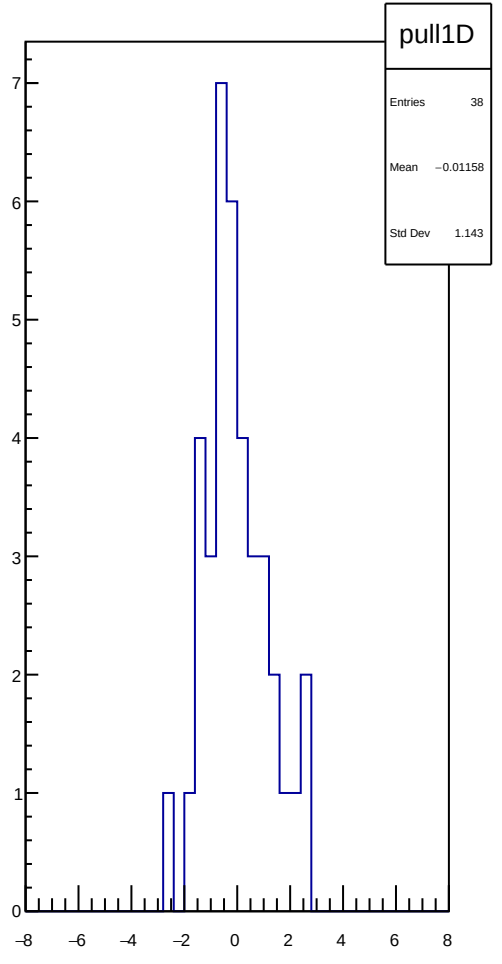

asym_us_dd_rms vs run
χ² / ndf 907.8 / 37
p0 1383 ± 1.59
1500
1450
1400
1350
1300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

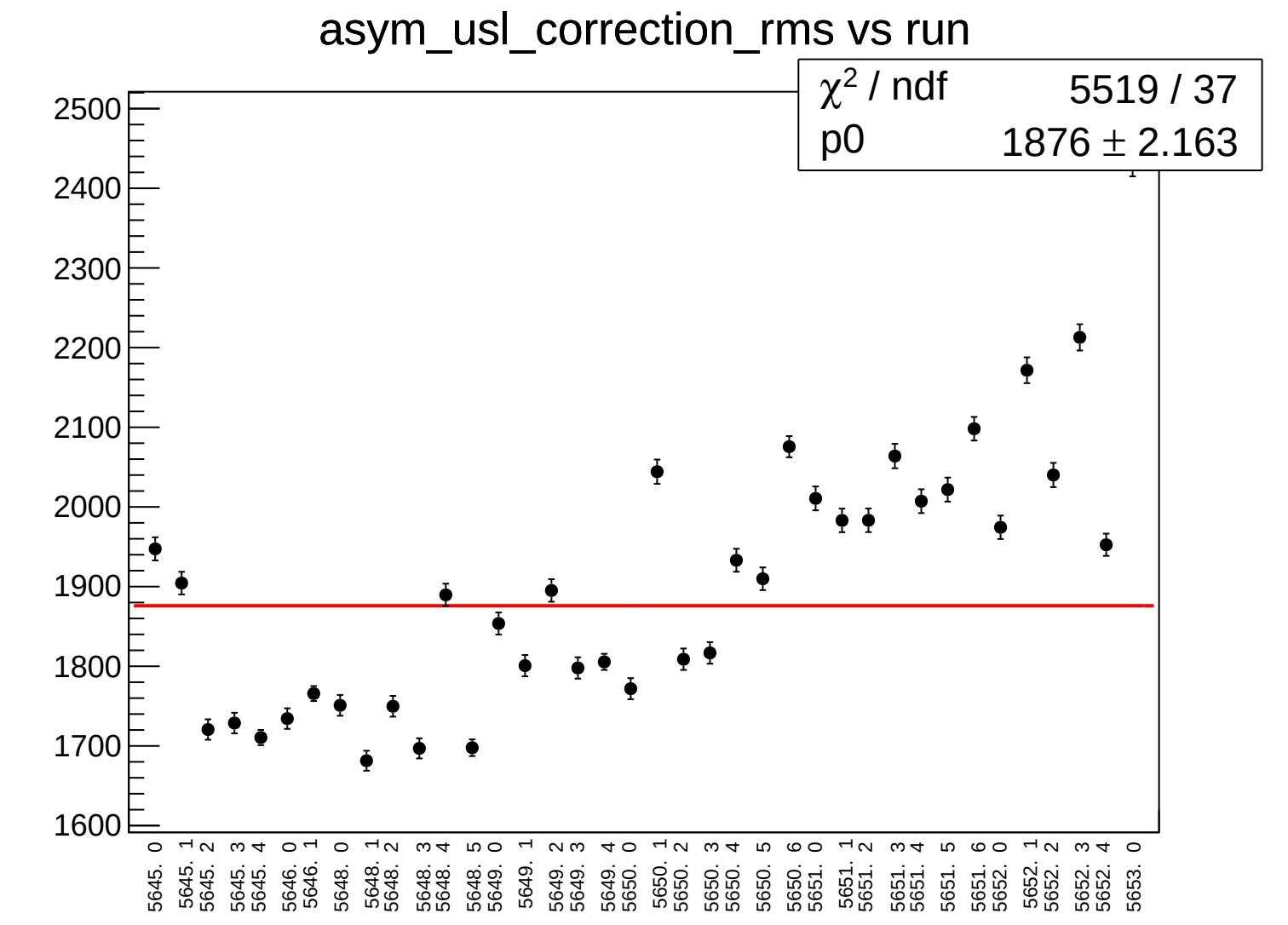

dit_asym_usl_mean vs run
χ² / ndf 45.54 / 37
p0 766.1 ± 1804
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −240.3
Std Dev 260
2
1
0
−1
−2
−3

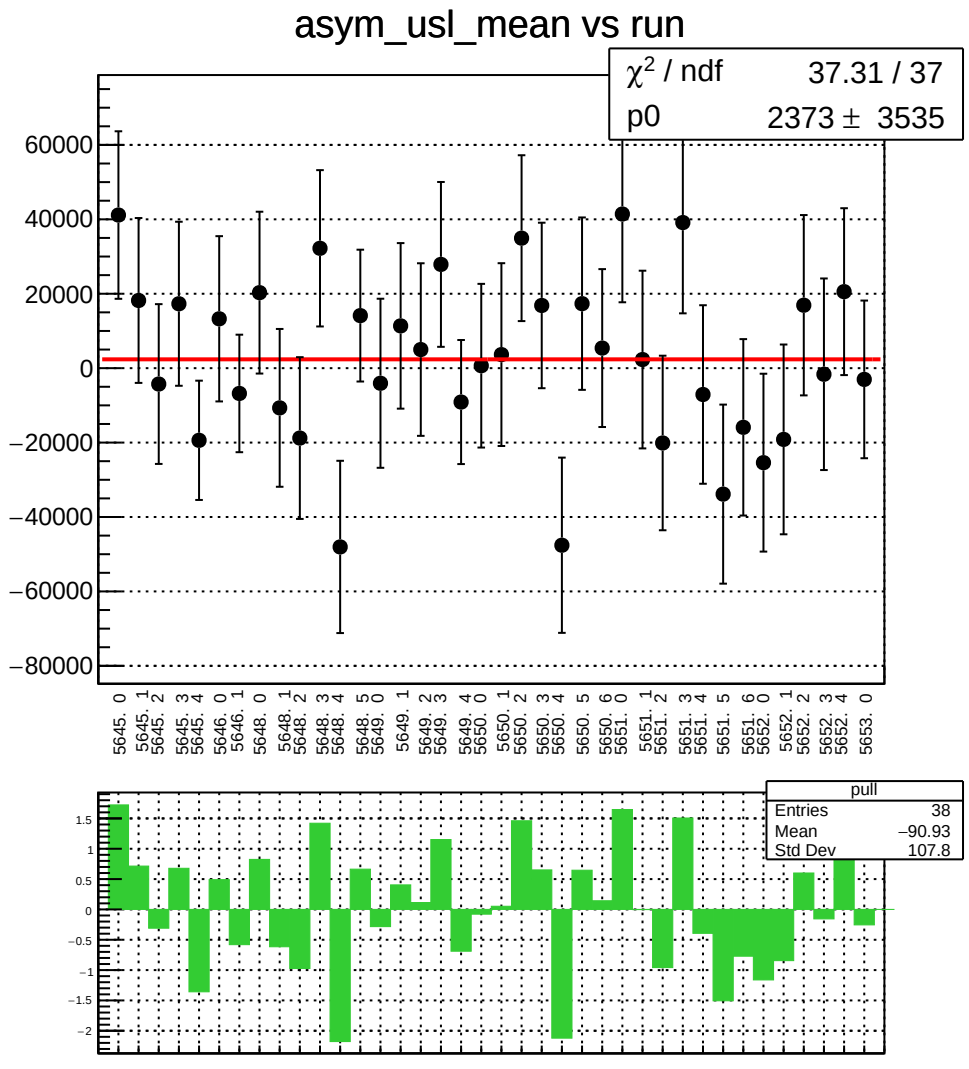

pull1D
Entries 38
Mean 0.01179
Std Dev 1.095
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

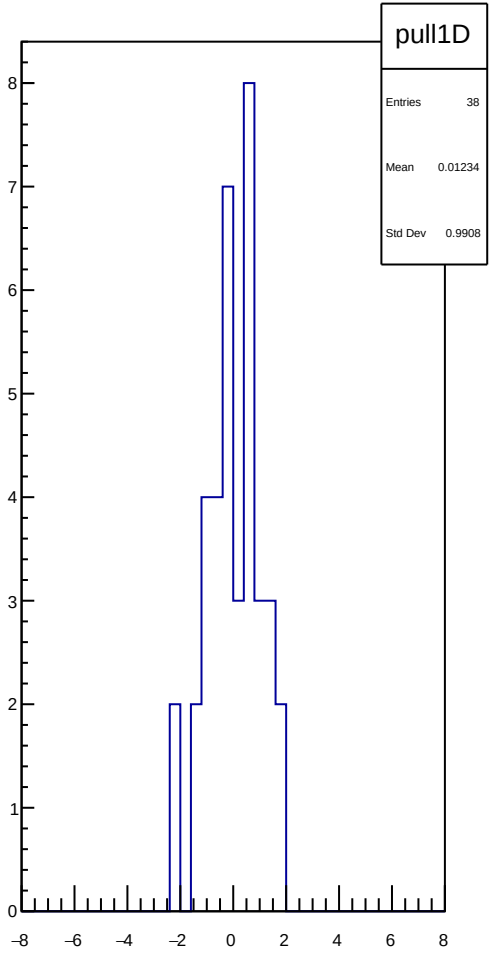

dit_asym_usl_rms vs run
χ² / ndf 53.93 / 37
p0 1111 ± 1.276
1140
1130
1120
1110
1100
1090
1080
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

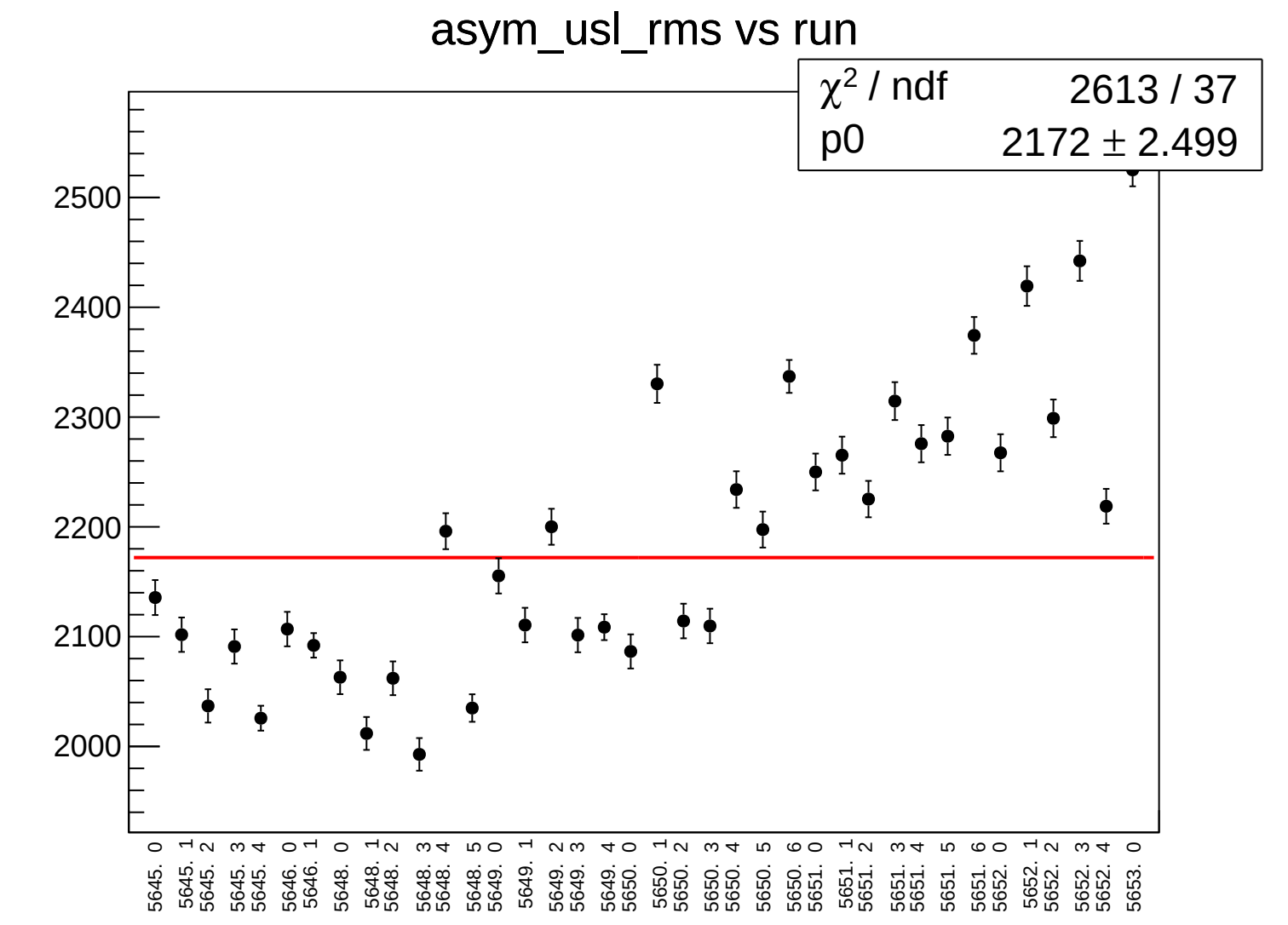

asym_usl_correction_mean vs run
χ² / ndf 49.64 / 37
p0 −1435 ± 3059
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 48.49
Std Dev 4.084
2
1
0
−1
−2

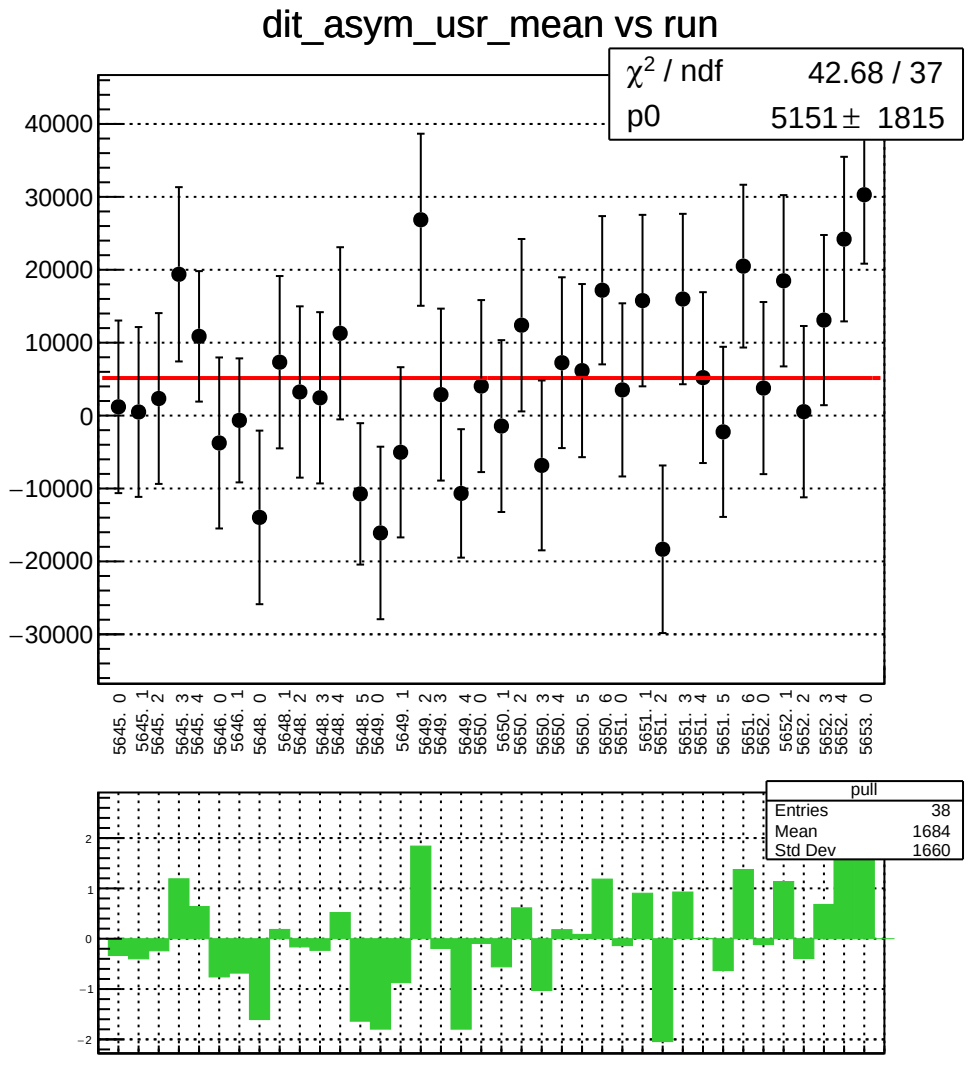

pull1D
Entries 38
Mean −0.01158
Std Dev 1.143
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

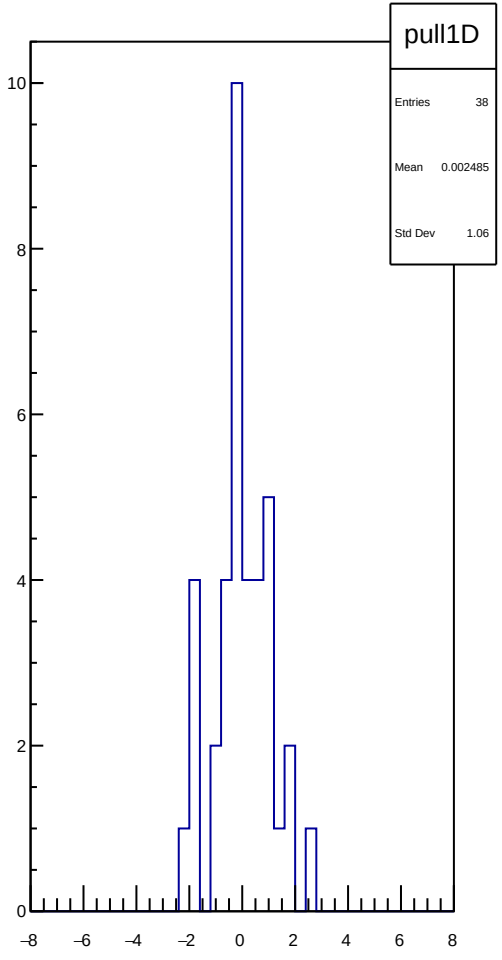

asym_usl_correction_rms vs run
χ² / ndf 5519 / 37
p0 1876 ± 2.163
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

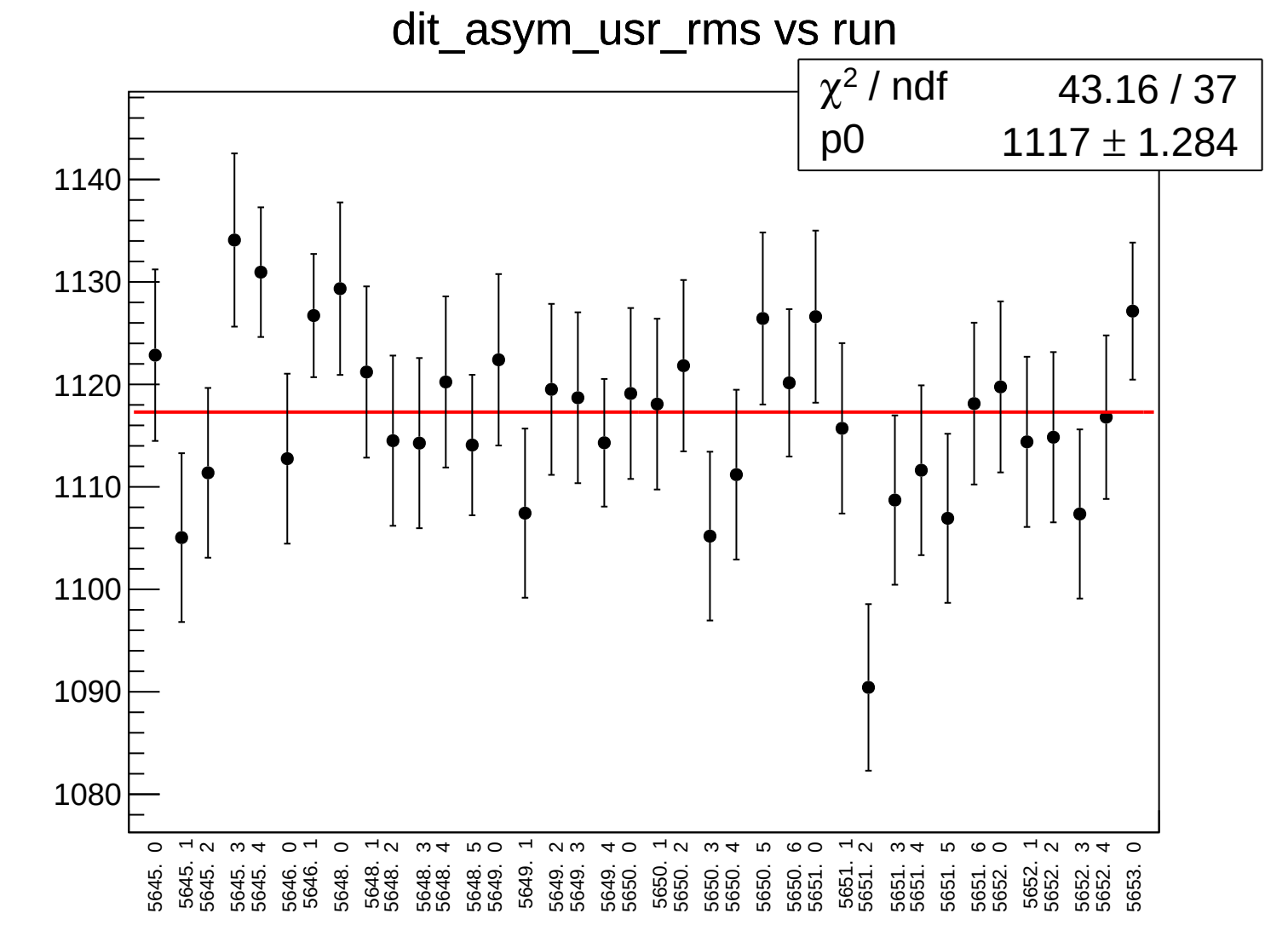

asym_usl_mean vs run
χ² / ndf 37.31 / 37
p0 2373 ± 3535
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −90.93
Std Dev 107.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

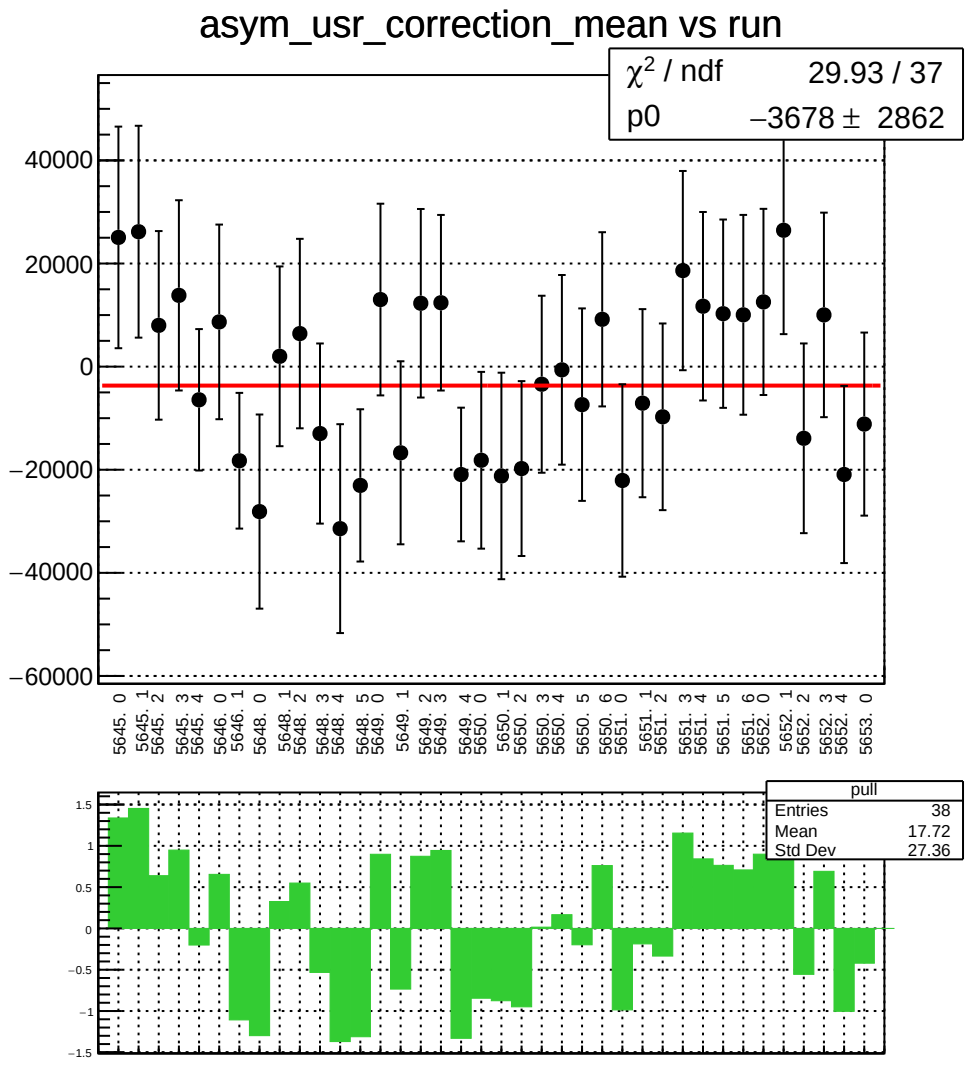

pull1D
Entries 38
Mean 0.01234
Std Dev 0.9908
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

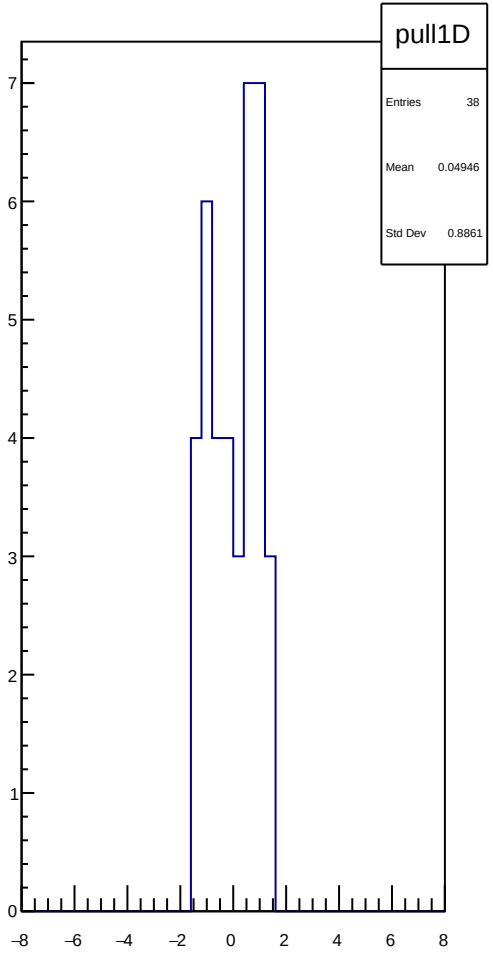

asym_usl_rms vs run
χ² / ndf 2613 / 37
p0 2172 ± 2.499
2500
2400
2300
2200
2100
2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

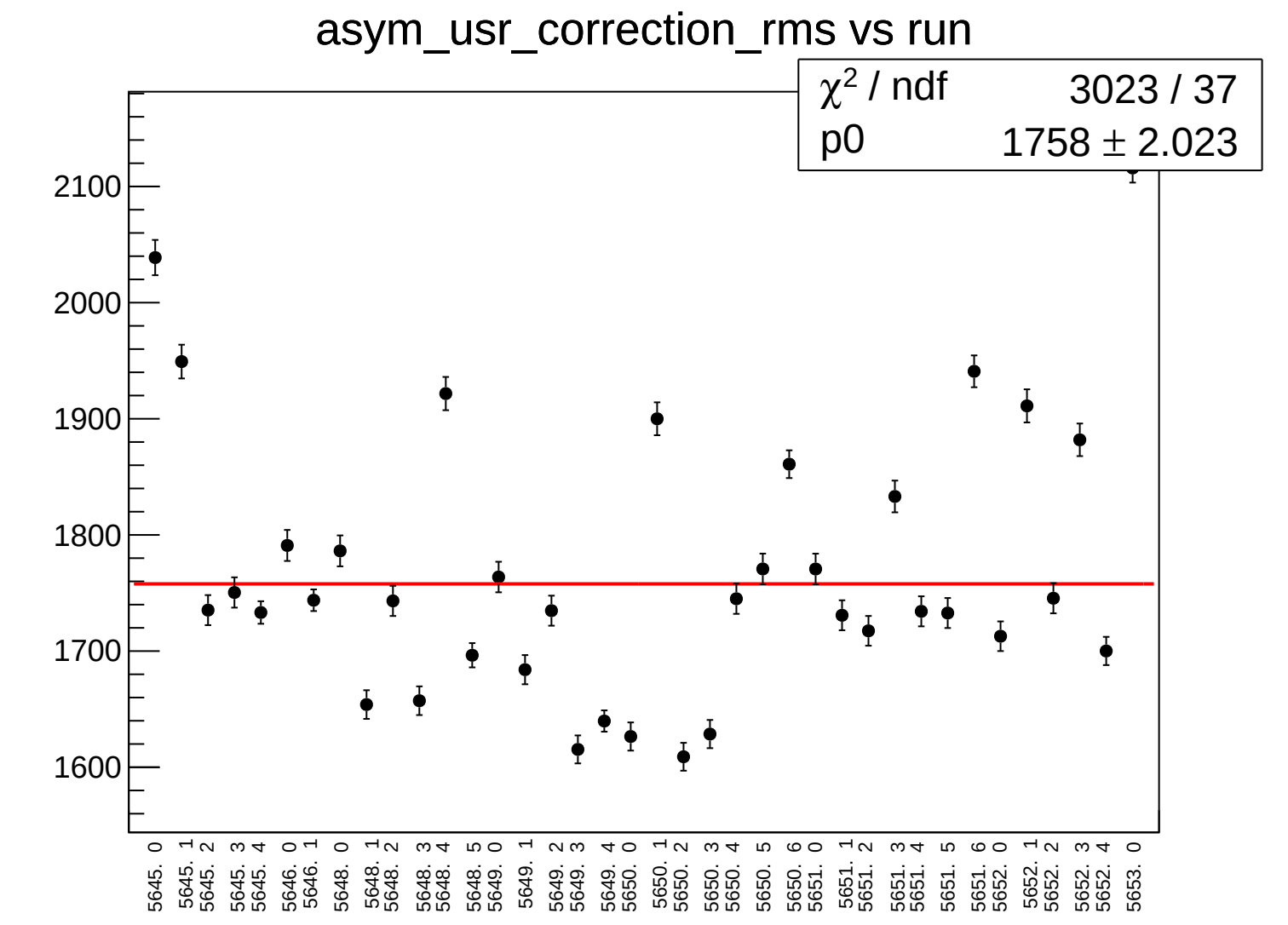

dit_asym_usr_mean vs run
χ² / ndf 42.68 / 37
p0 5151 ± 1815
40000
30000
20000
10000
0
−10000
−20000
−30000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 1684
Std Dev 1660
2
1
0
−1
−2

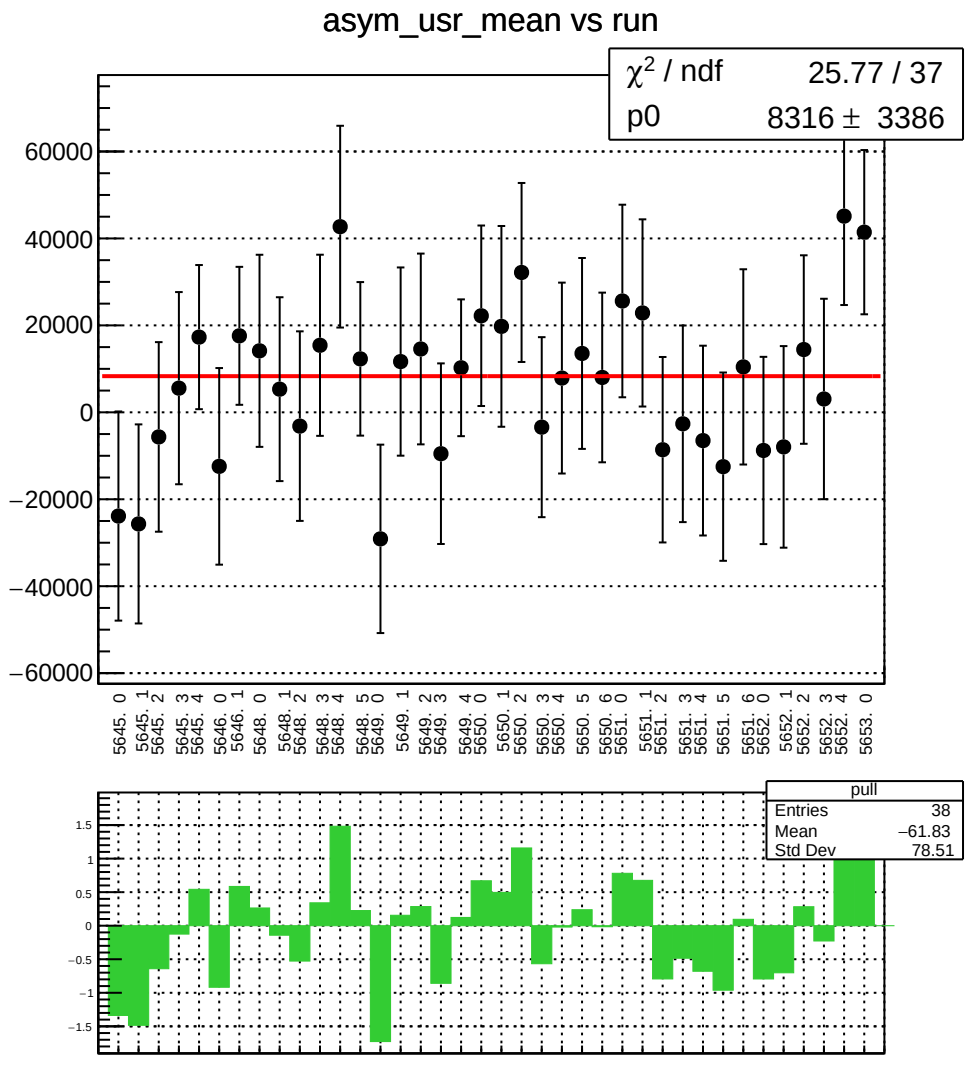

pull1D
Entries 38
Mean 0.002485
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

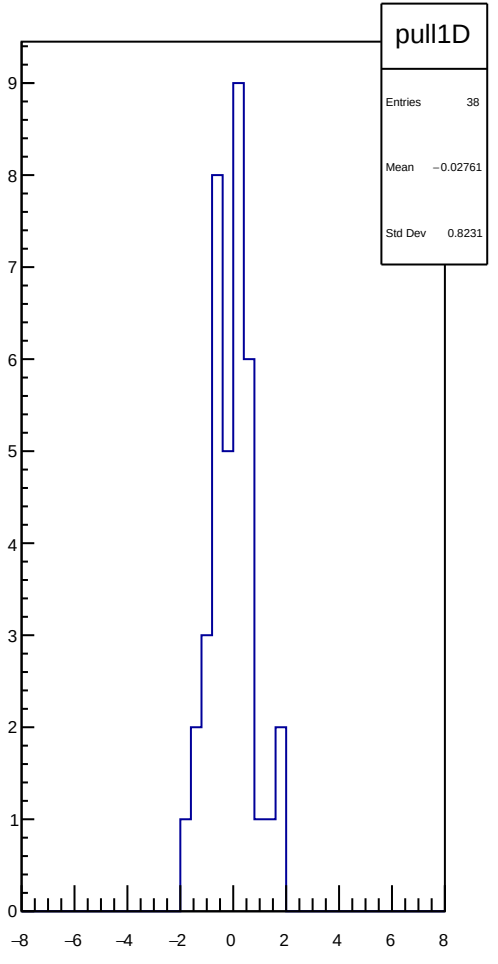

dit_asym_usr_rms vs run
χ² / ndf 43.16 / 37
p0 1117 ± 1.284
1140
1130
1120
1110
1100
1090
1080
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

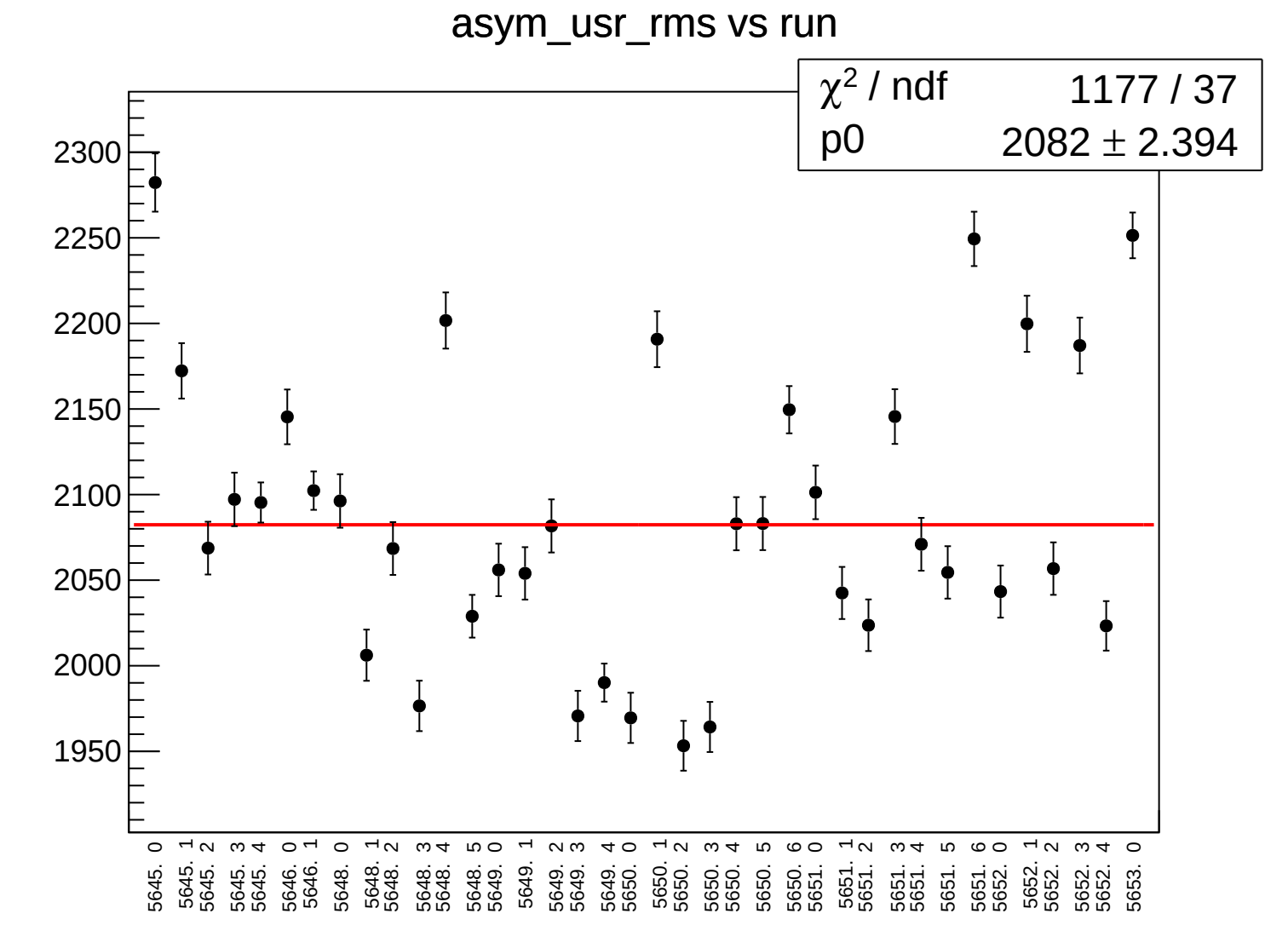

asym_usr_correction_mean vs run
χ² / ndf 29.93 / 37
p0 −3678 ± 2862
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 17.72
Std Dev 27.36
1.5
1
0.5
0
−0.5
−1
−1.5

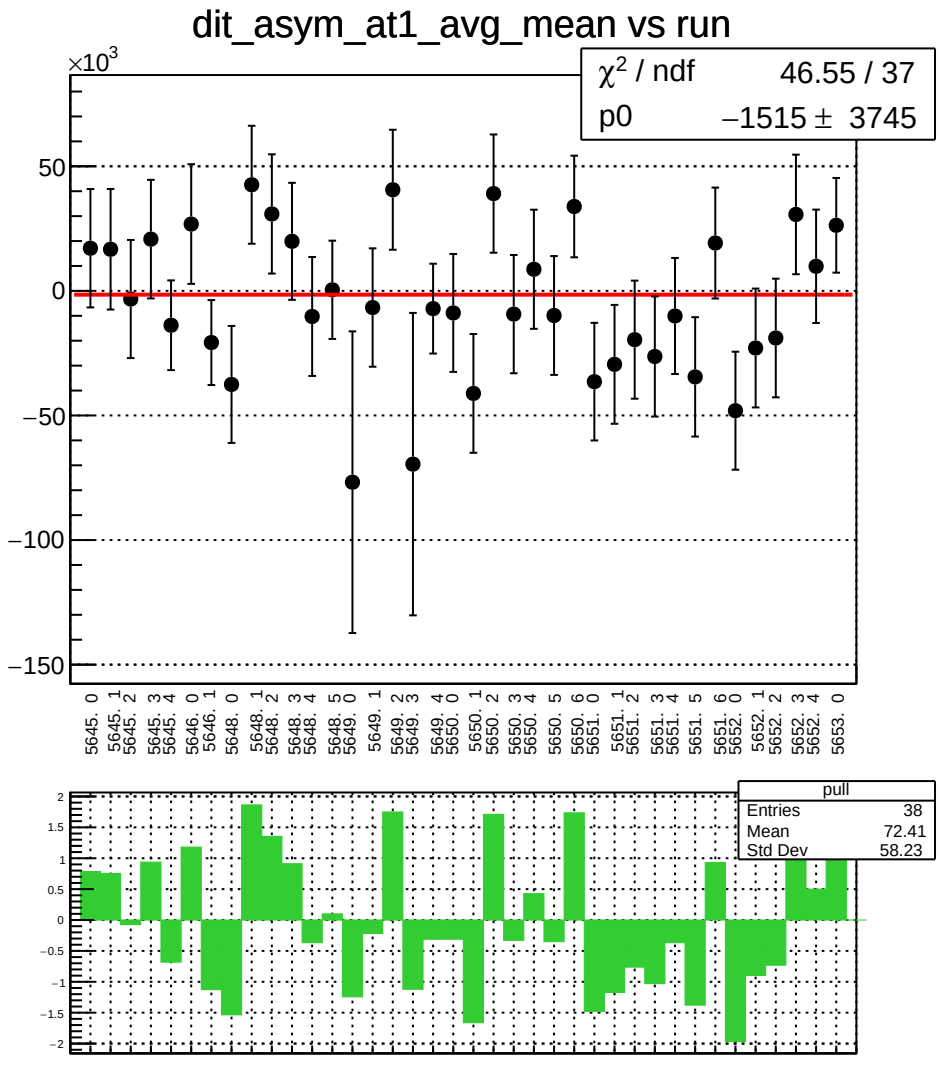

pull1D
Entries 38
Mean 0.04946
Std Dev 0.8861
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

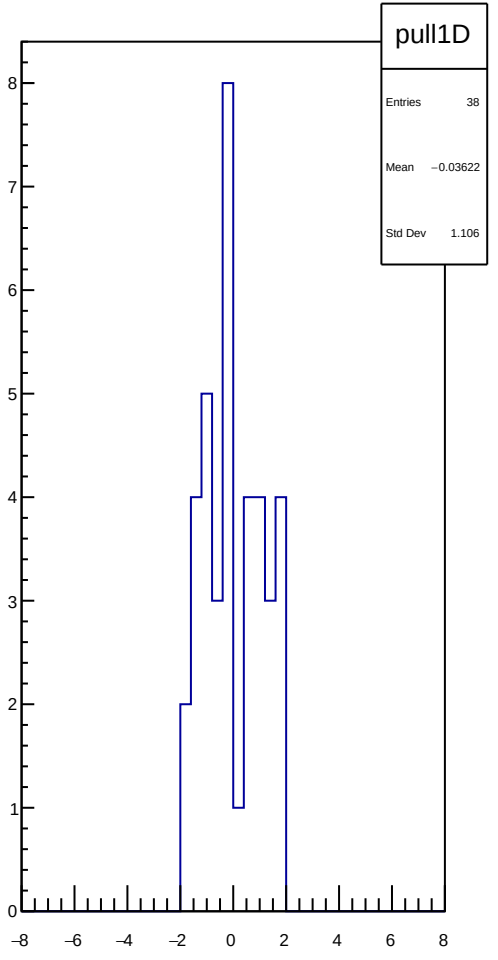

asym_usr_correction_rms vs run
χ² / ndf 3023 / 37
p0 1758 ± 2.023
2100
2000
1900
1800
1700
1600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

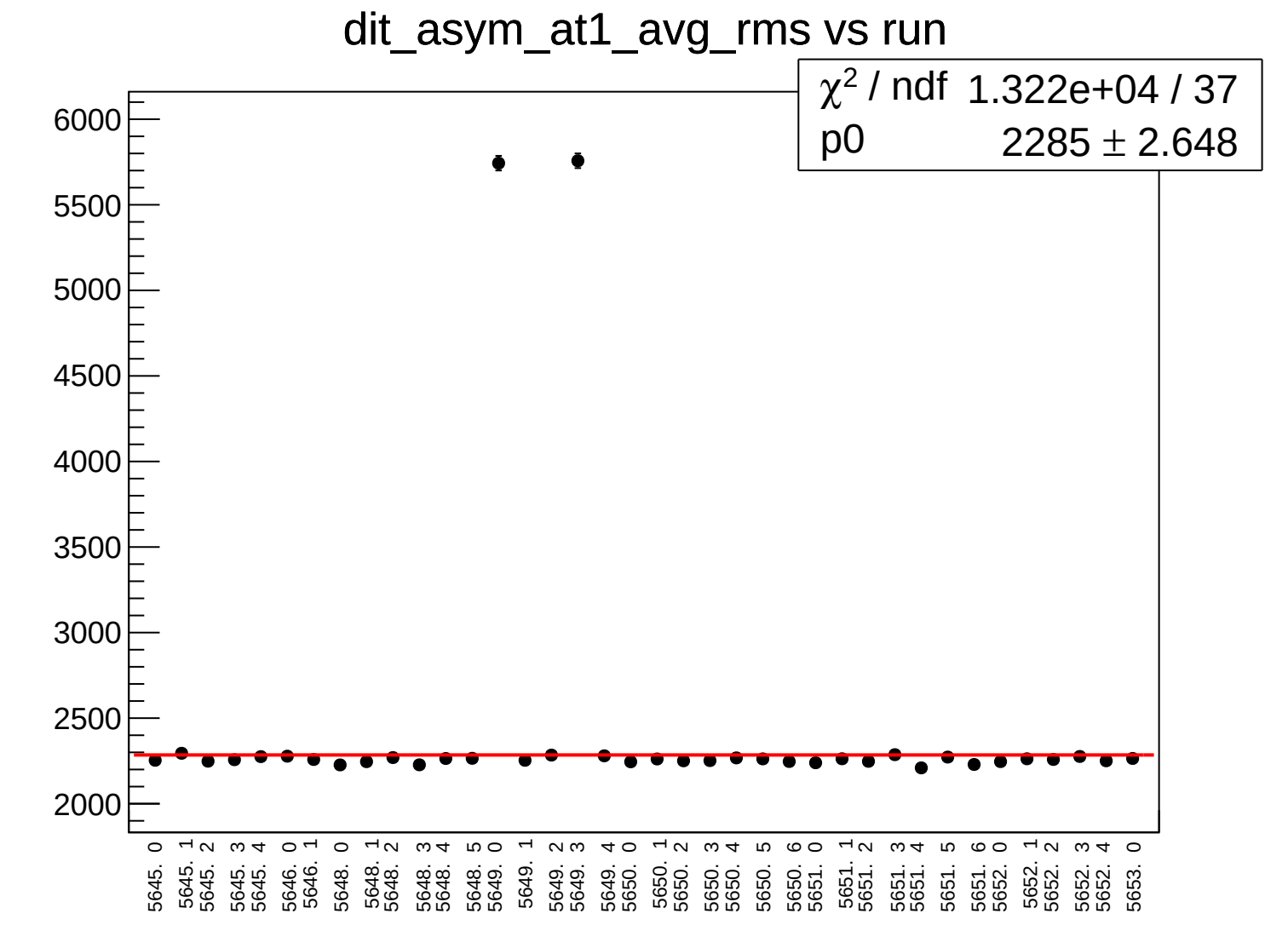

asym_usr_mean vs run
χ² / ndf 25.77 / 37
p0 8316 ± 3386
60000
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −61.83
Std Dev 78.51
1.5
1
0.5
0
−0.5
−1
−1.5

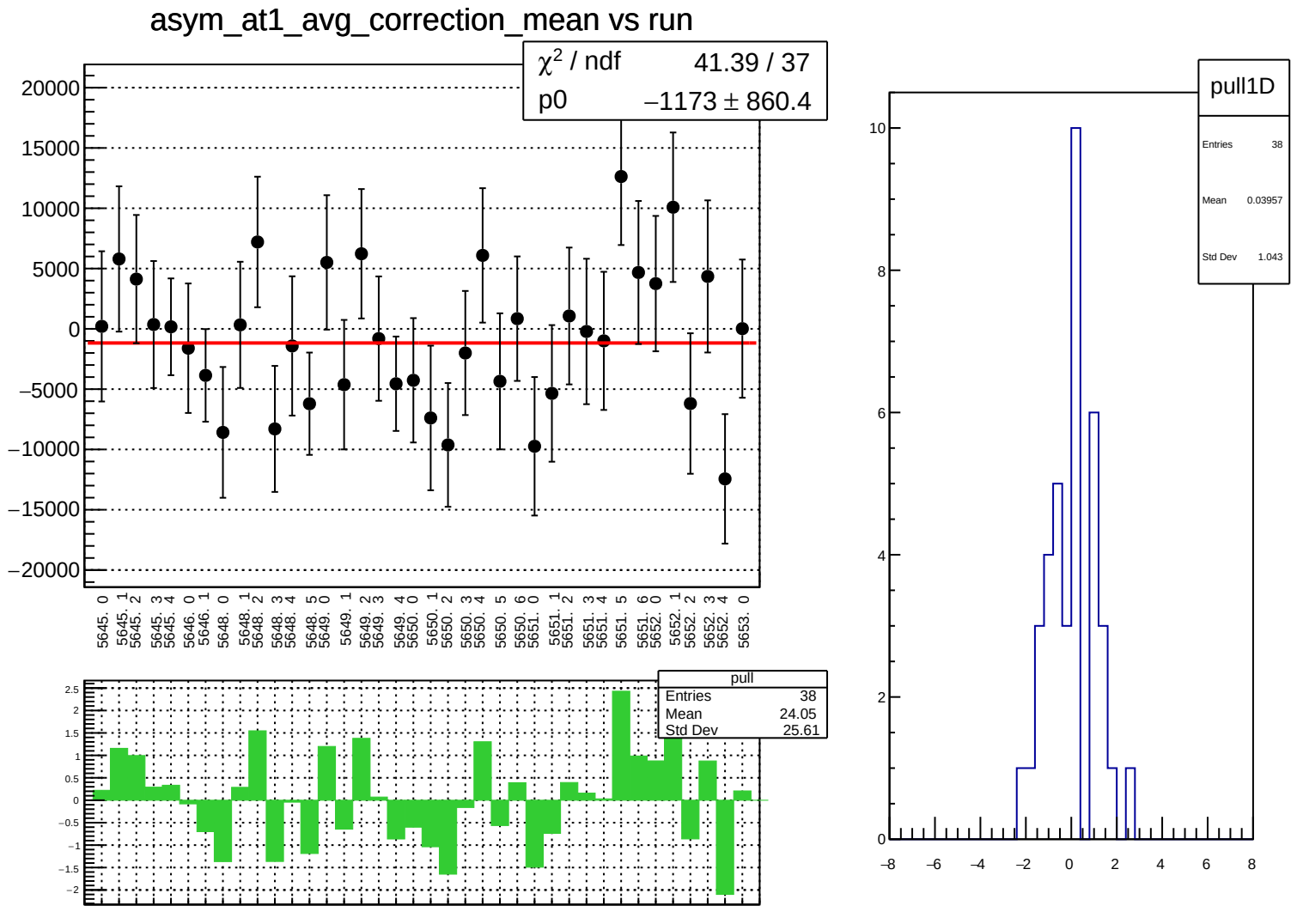

pull1D
Entries 38
Mean −0.02761
Std Dev 0.8231
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

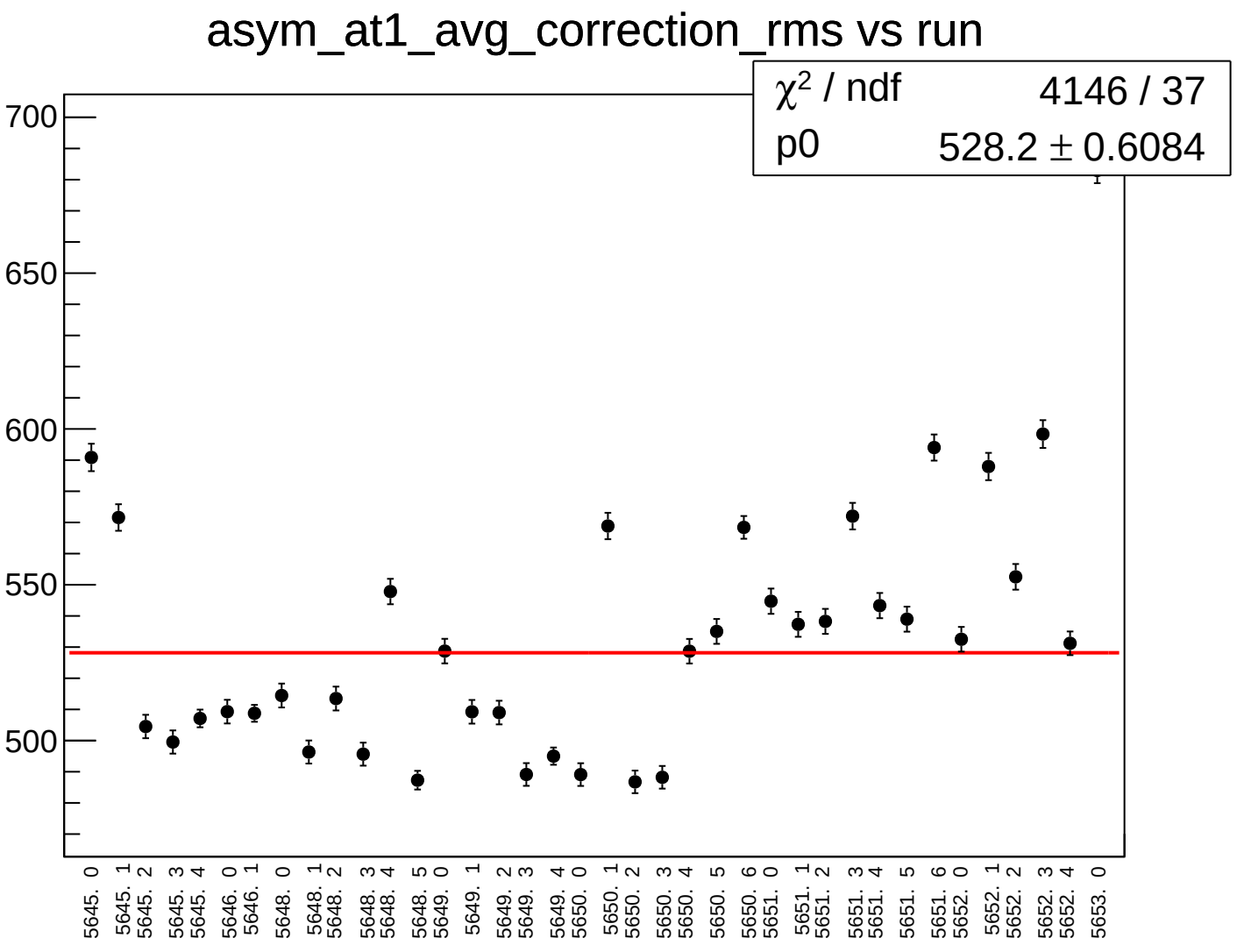

asym_usr_rms vs run
χ² / ndf 1177 / 37
p0 2082 ± 2.394
2300
2250
2200
2150
2100
2050
2000
1950
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

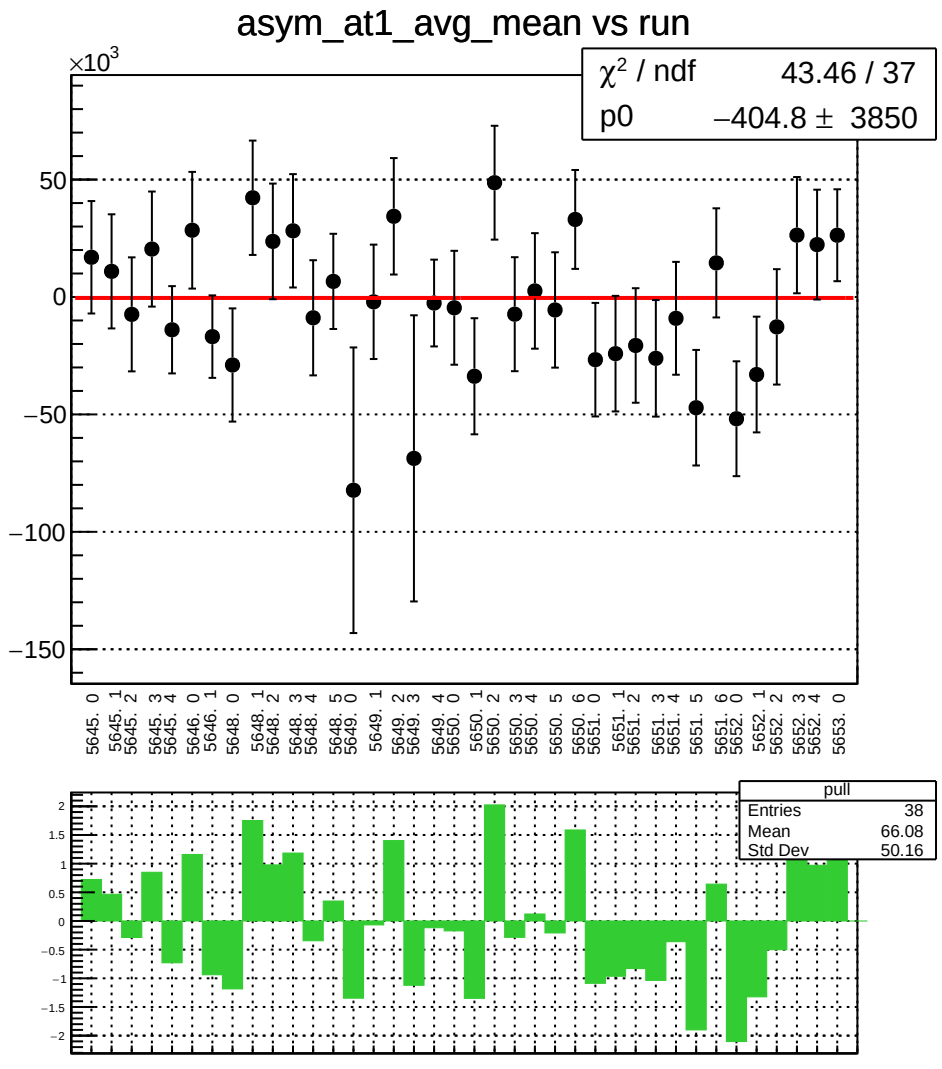

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 46.55 / 37
p0 −1515 ± 3745
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 72.41
Std Dev 58.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

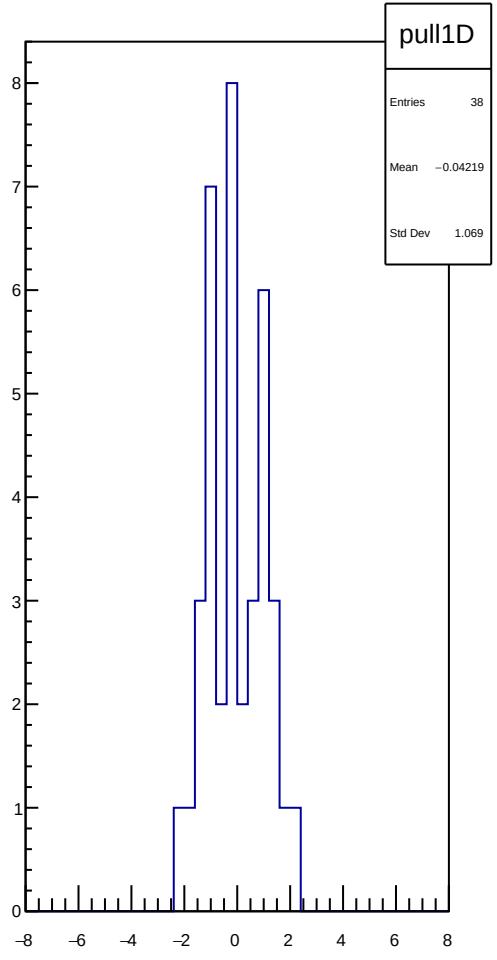

pull1D
Entries 38
Mean −0.03622
Std Dev 1.106
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

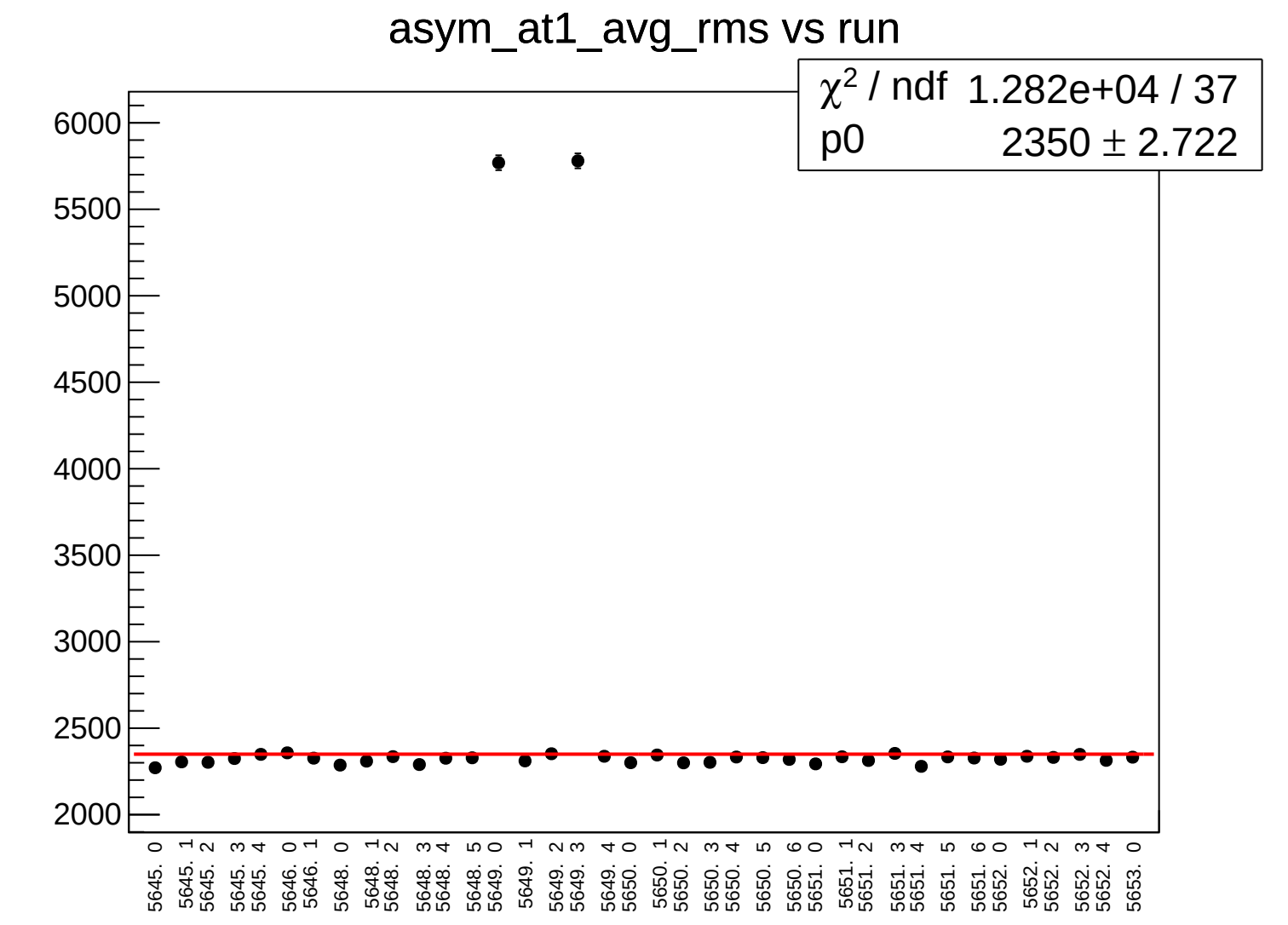

dit_asym_at1_avg_rms vs run
χ² / ndf 1.322e+04 / 37
p0 2285 ± 2.648
6000
5500
5000
4500
4000
3500
3000
2500
2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

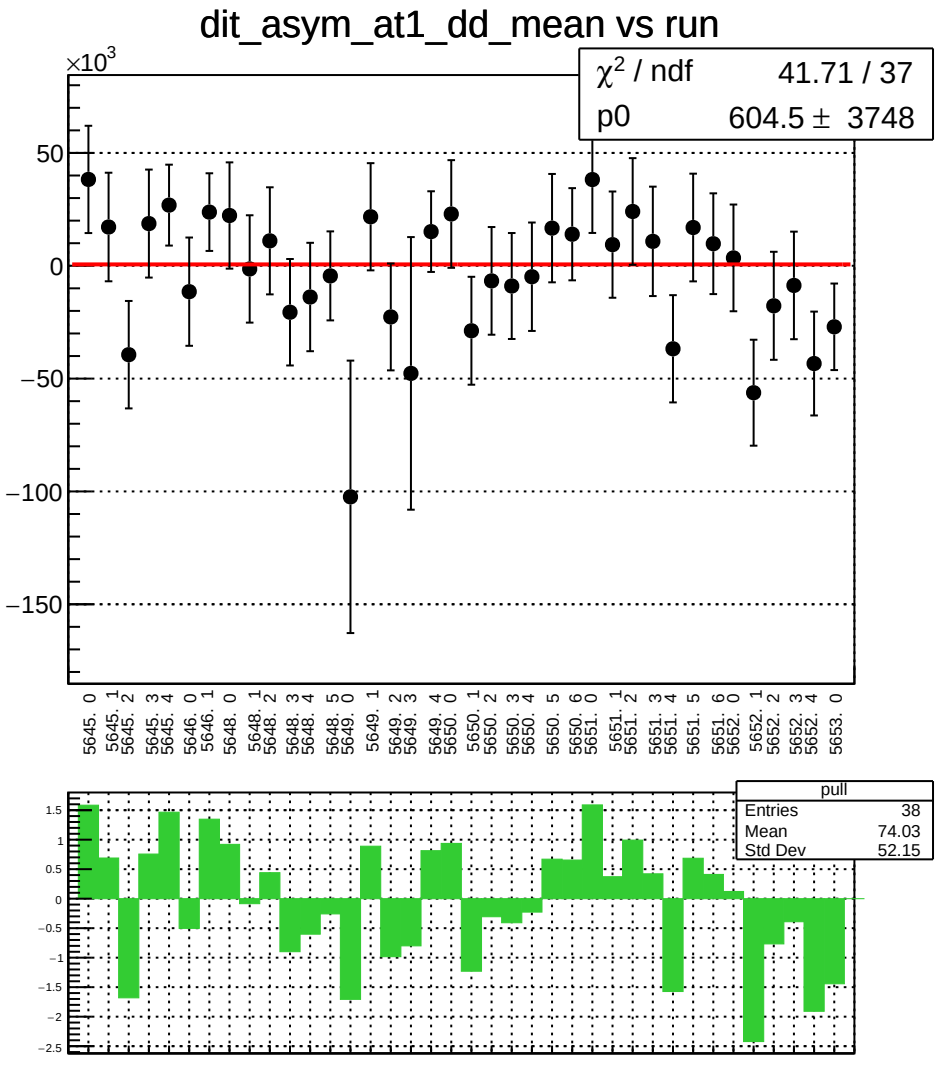

asym_at1_avg_correction_mean vs run
χ² / ndf 41.39 / 37
p0 −1173 ± 860.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 24.05
Std Dev 25.61
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 38
Mean 0.03957
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

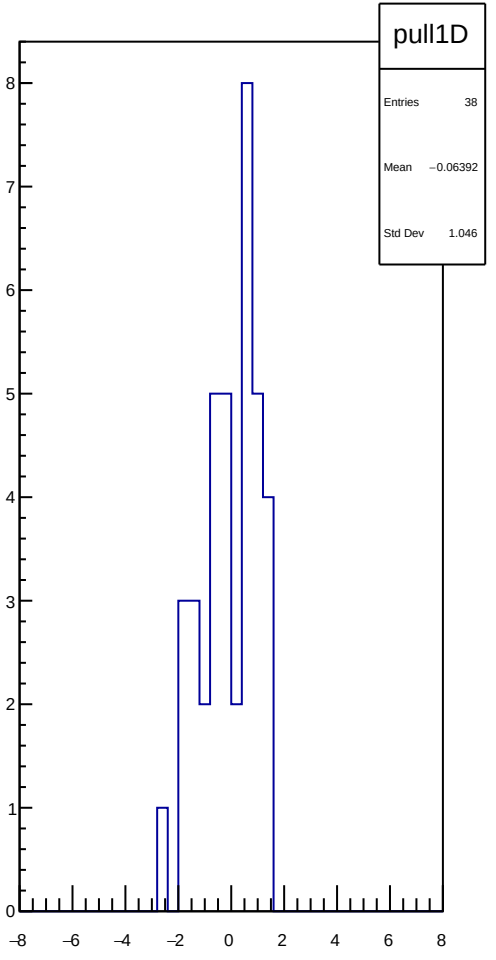

asym_at1_avg_correction_rms vs run
χ² / ndf 4146 / 37
p0 528.2 ± 0.6084
700
650
600
550
500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

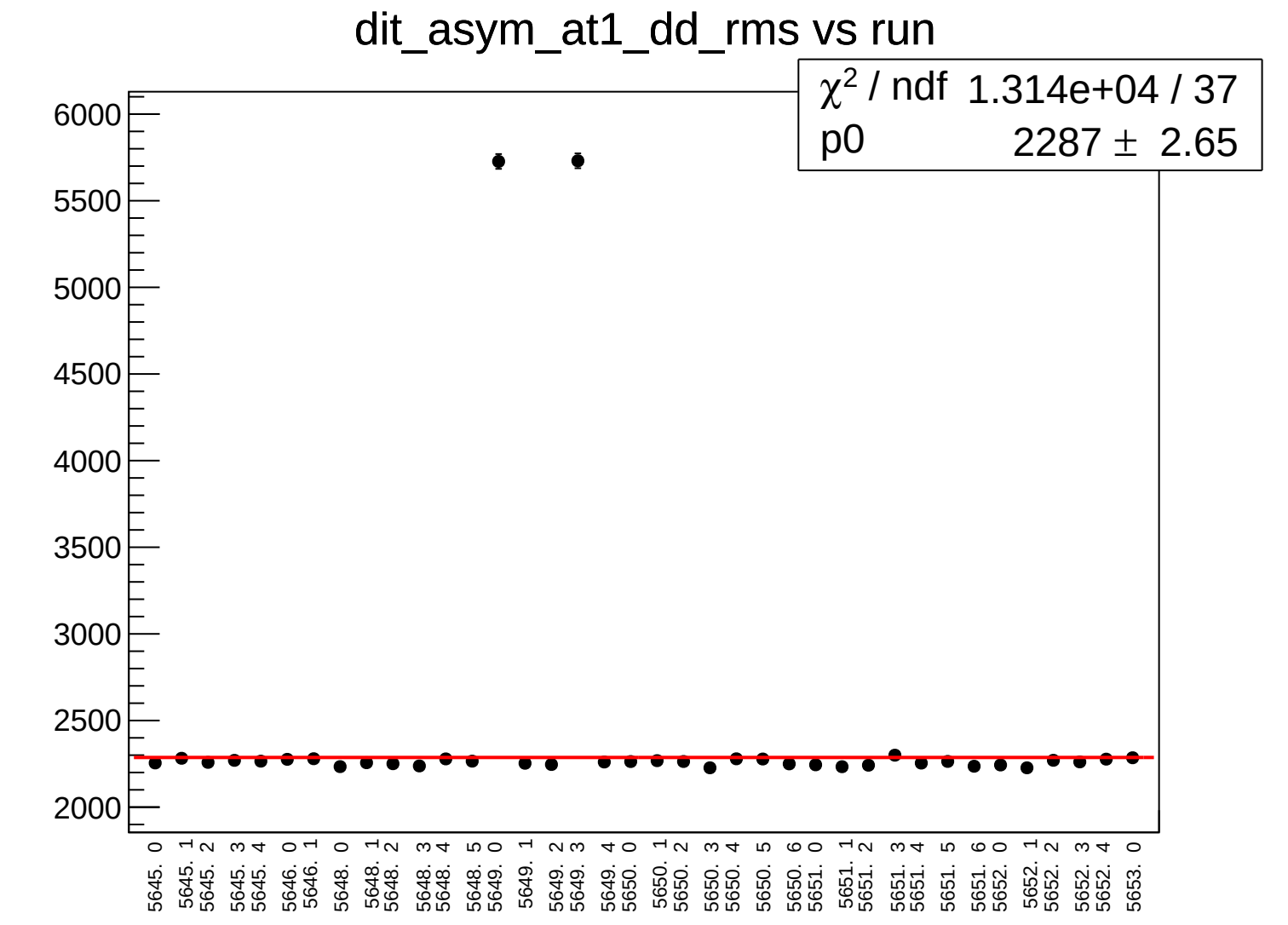

asym_at1_avg_mean vs run
×10^3
χ² / ndf 43.46 / 37
p0 −404.8 ± 3850
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 66.08
Std Dev 50.16
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

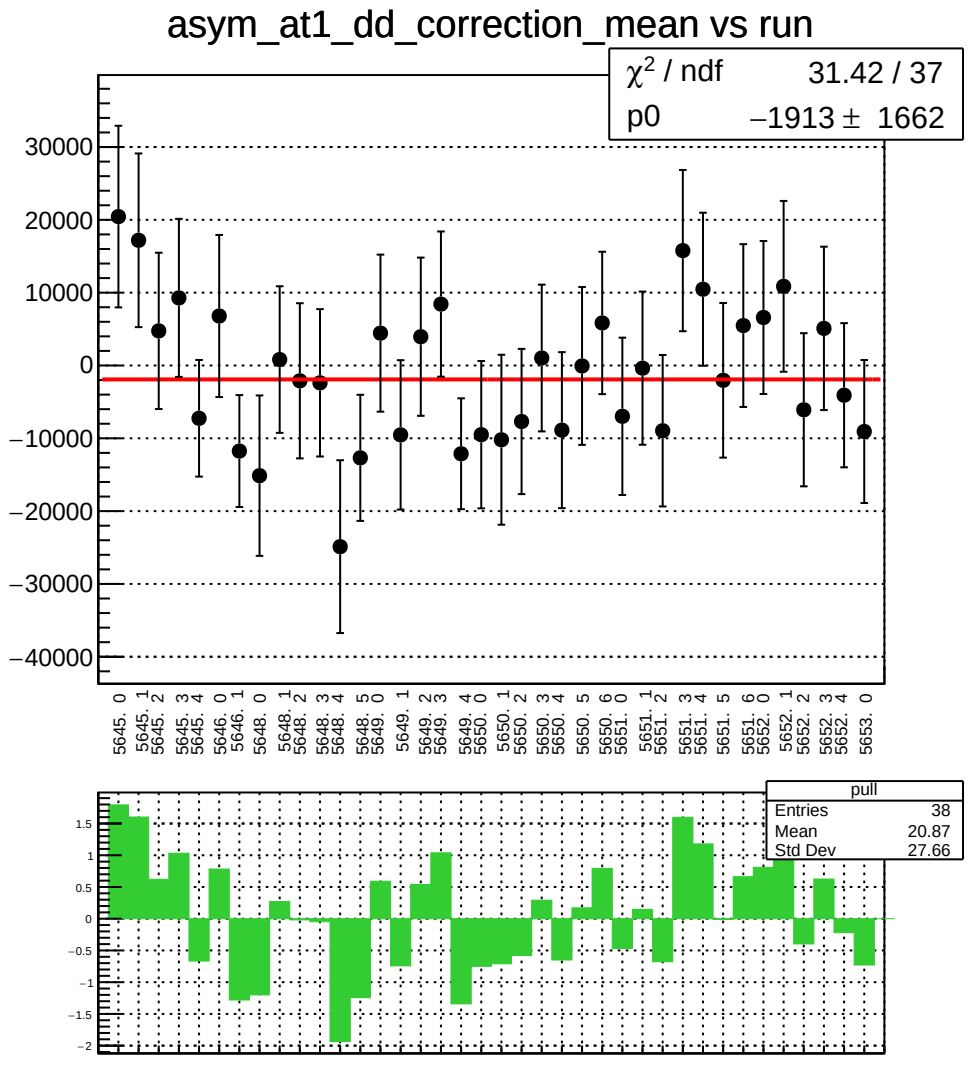

pull1D
Entries 38
Mean −0.04219
Std Dev 1.069
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

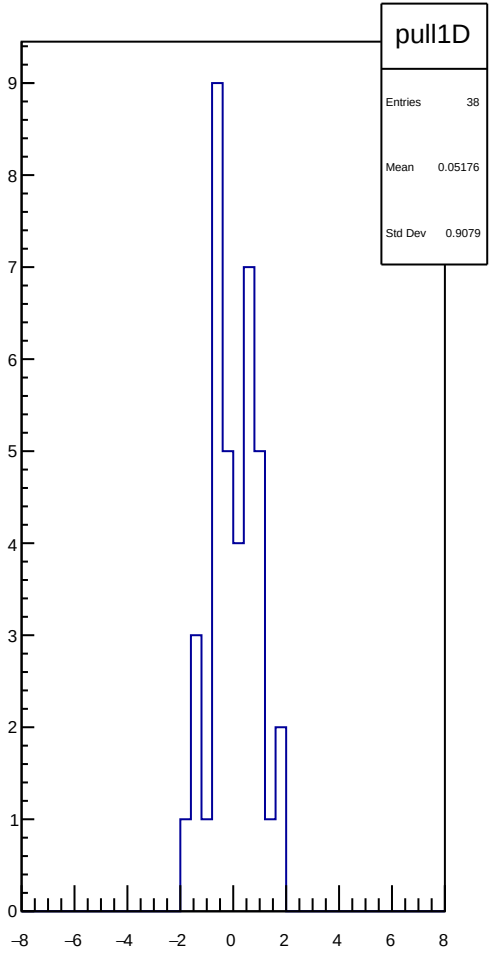

asym_at1_avg_rms vs run
χ² / ndf 1.282e+04 / 37
p0 2350 ± 2.722
6000
5500
5000
4500
4000
3500
3000
2500
2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

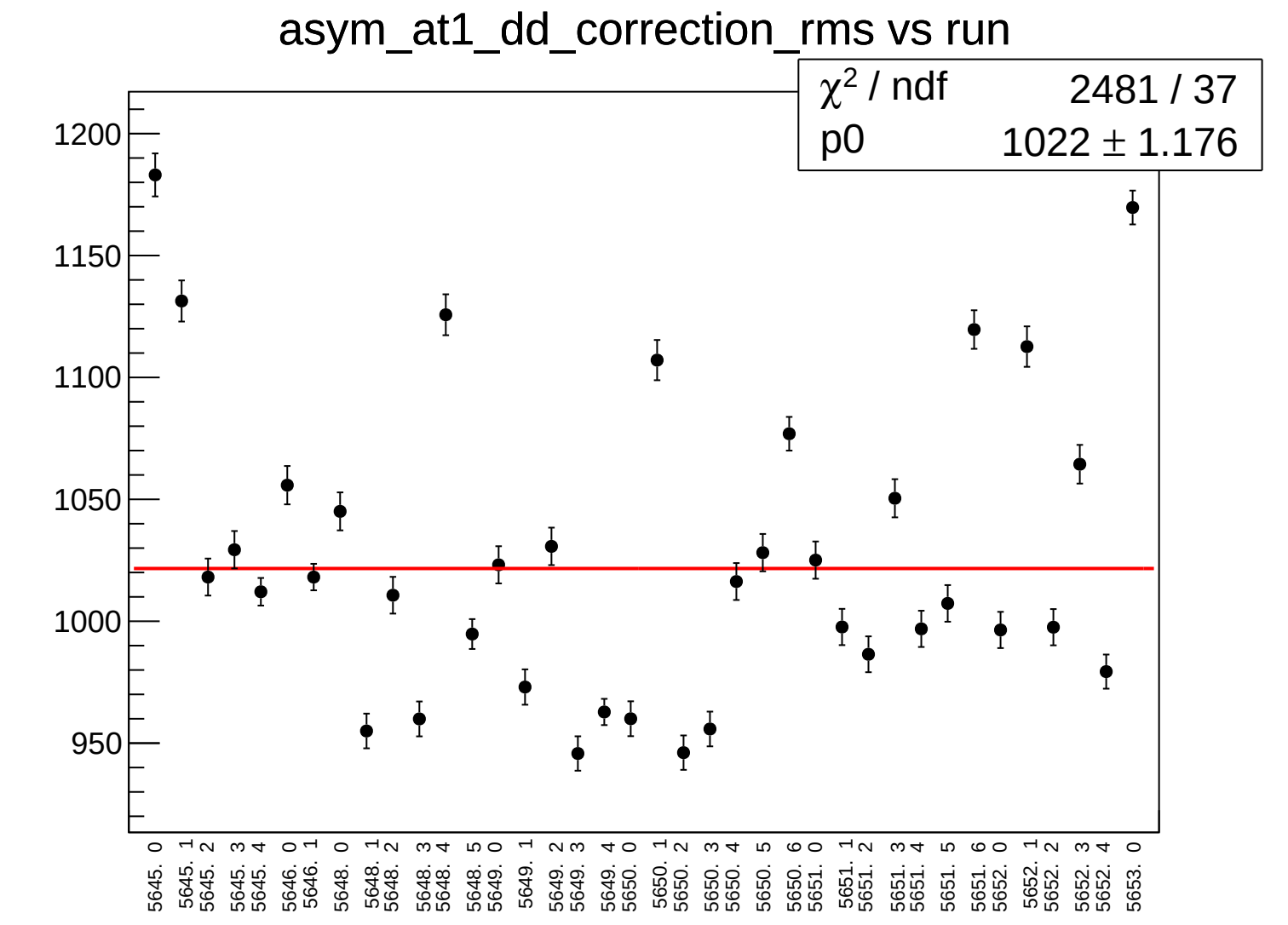

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 41.71 / 37
p0 604.5 ± 3748
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 74.03
Std Dev 52.15
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

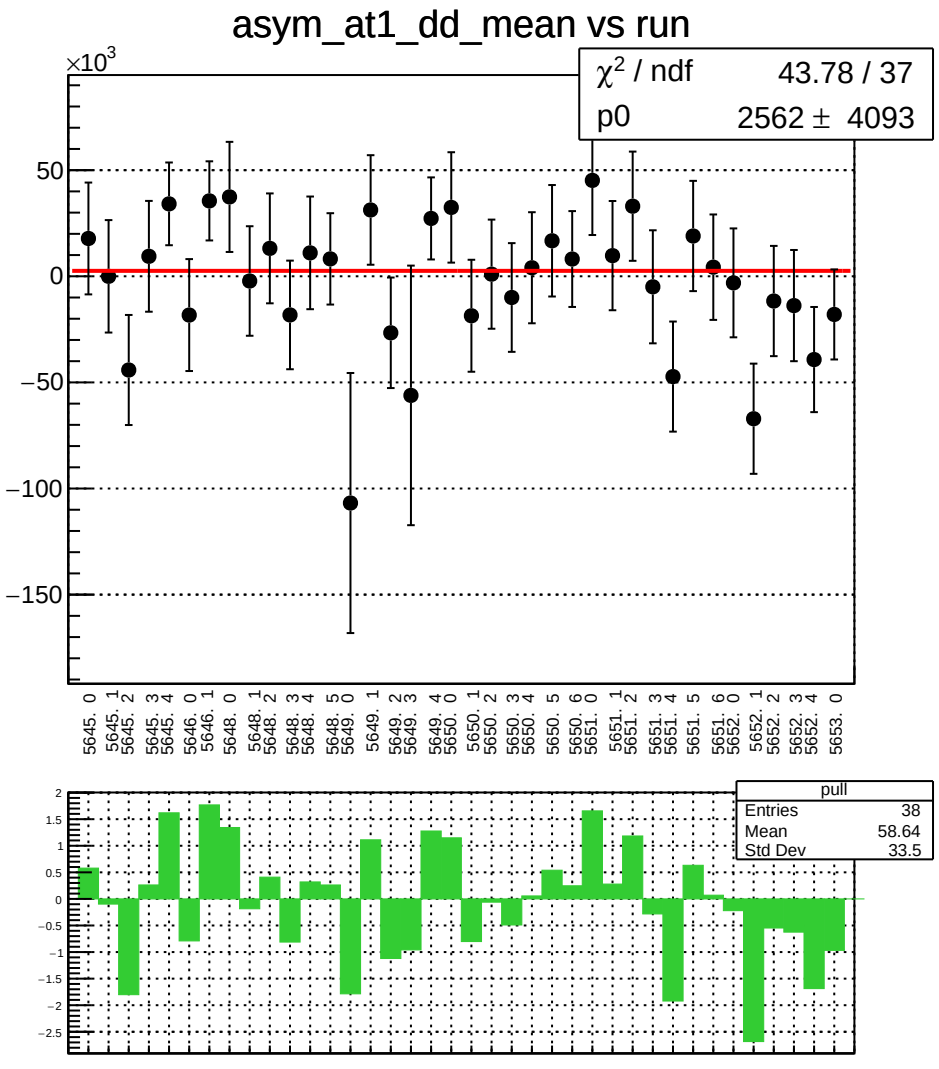

pull1D
Entries 38
Mean −0.06392
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

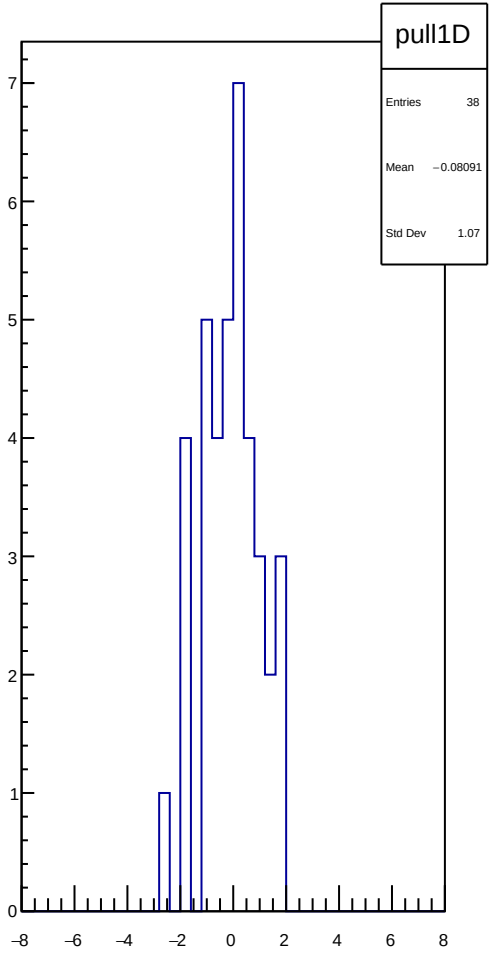

dit_asym_at1_dd_rms vs run
χ² / ndf 1.314e+04 / 37
p0 2287 ± 2.65
6000
5500
5000
4500
4000
3500
3000
2500
2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

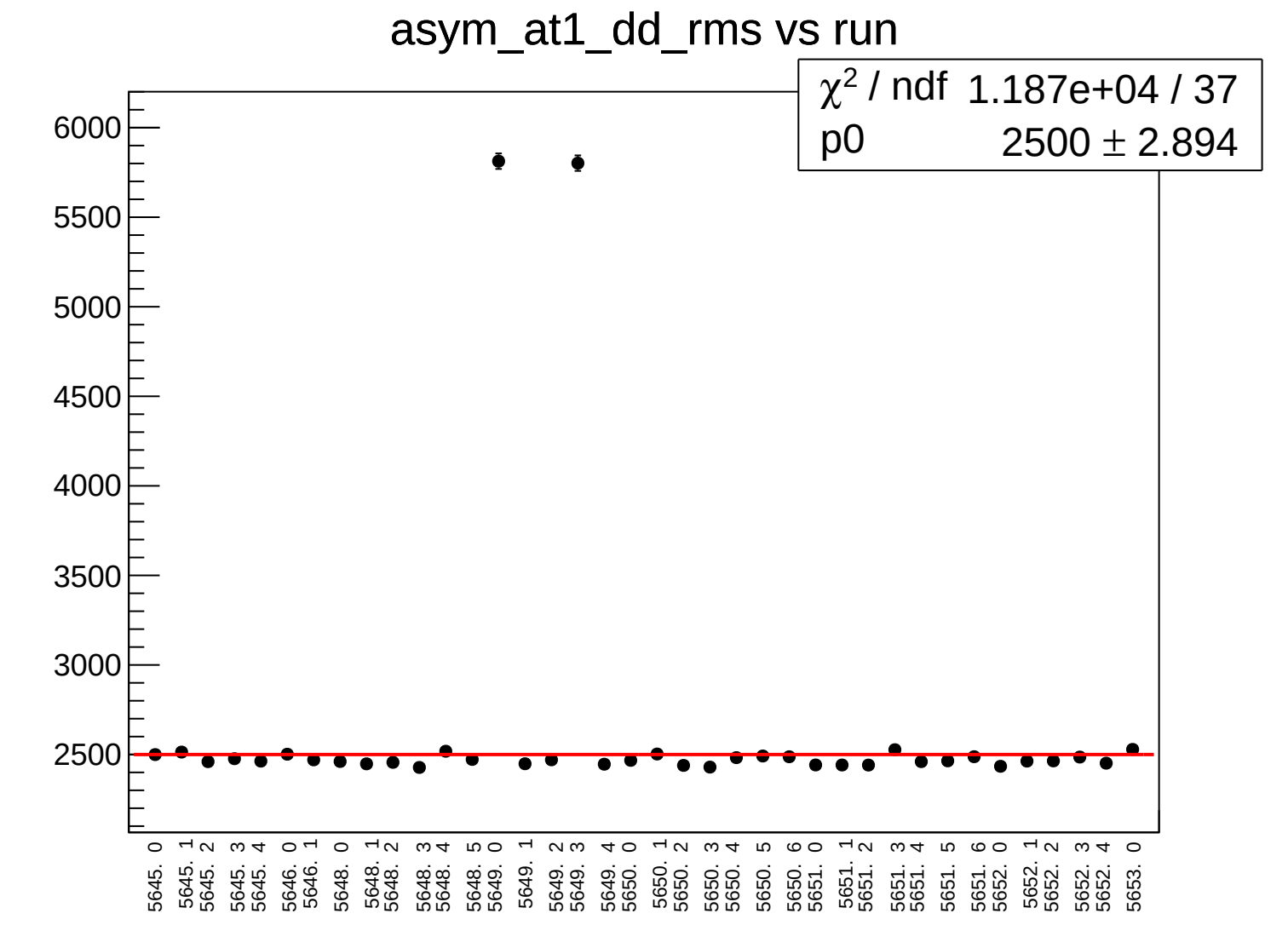

asym_at1_dd_correction_mean vs run
χ² / ndf 31.42 / 37
p0 −1913 ± 1662
30000
20000
10000
0
−10000
−20000
−30000
−40000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 20.87
Std Dev 27.66
1.5
1
0.5
0
−0.5
−1
−1.5
−2

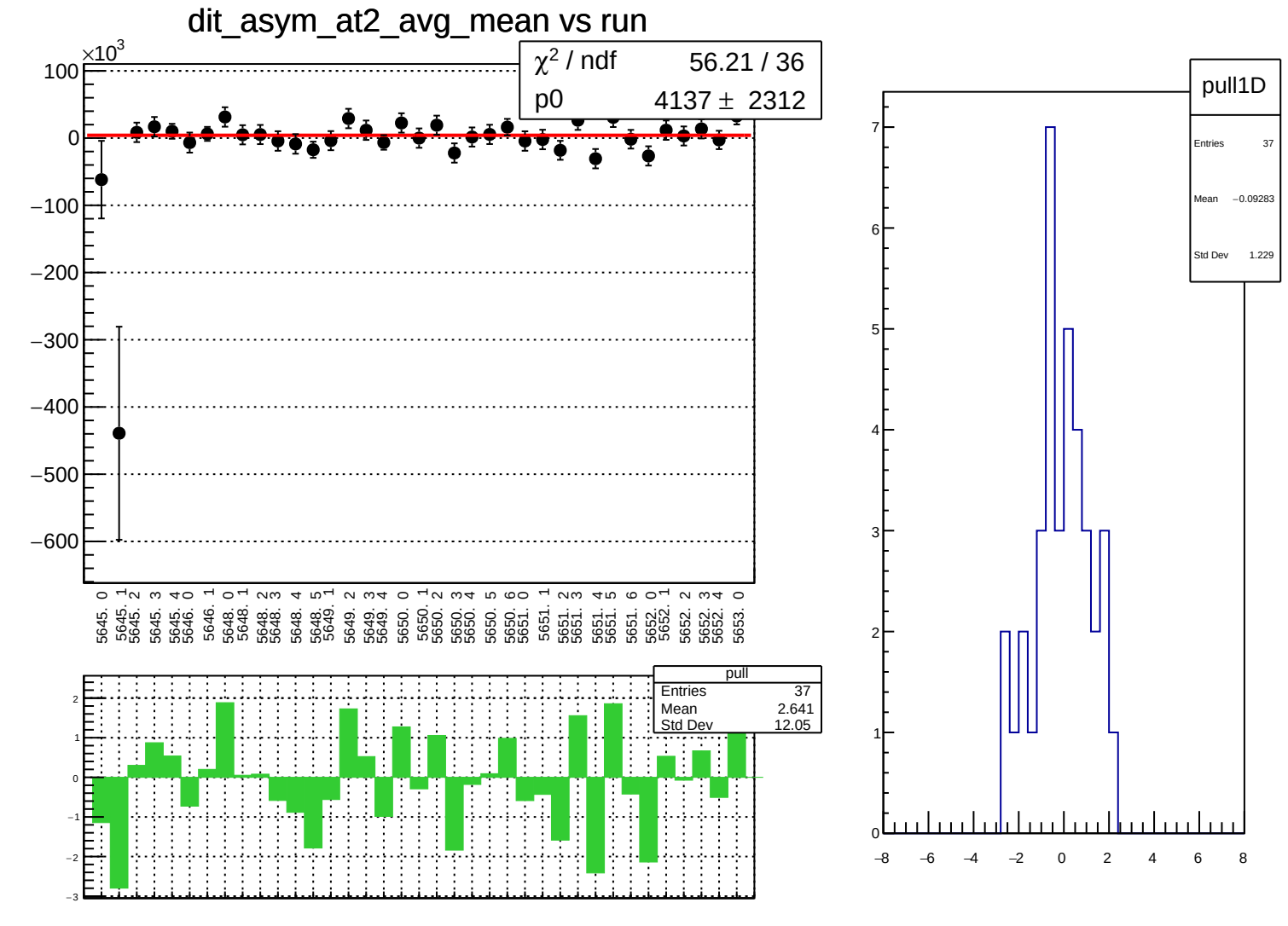

pull1D
Entries 38
Mean 0.05176
Std Dev 0.9079
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

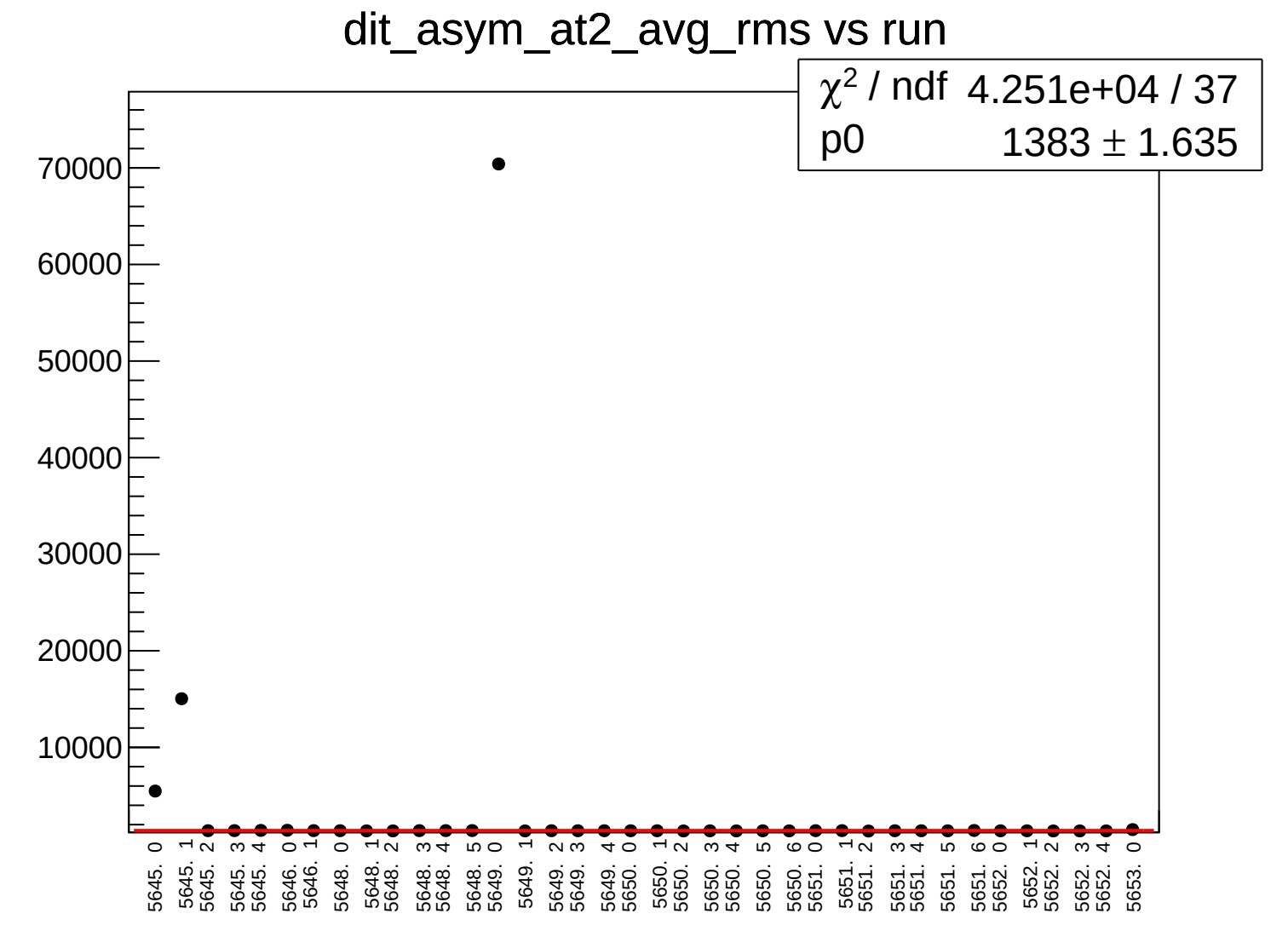

asym_at1_dd_correction_rms vs run
χ² / ndf 2481 / 37
p0 1022 ± 1.176
1200
1150
1100
1050
1000
950
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

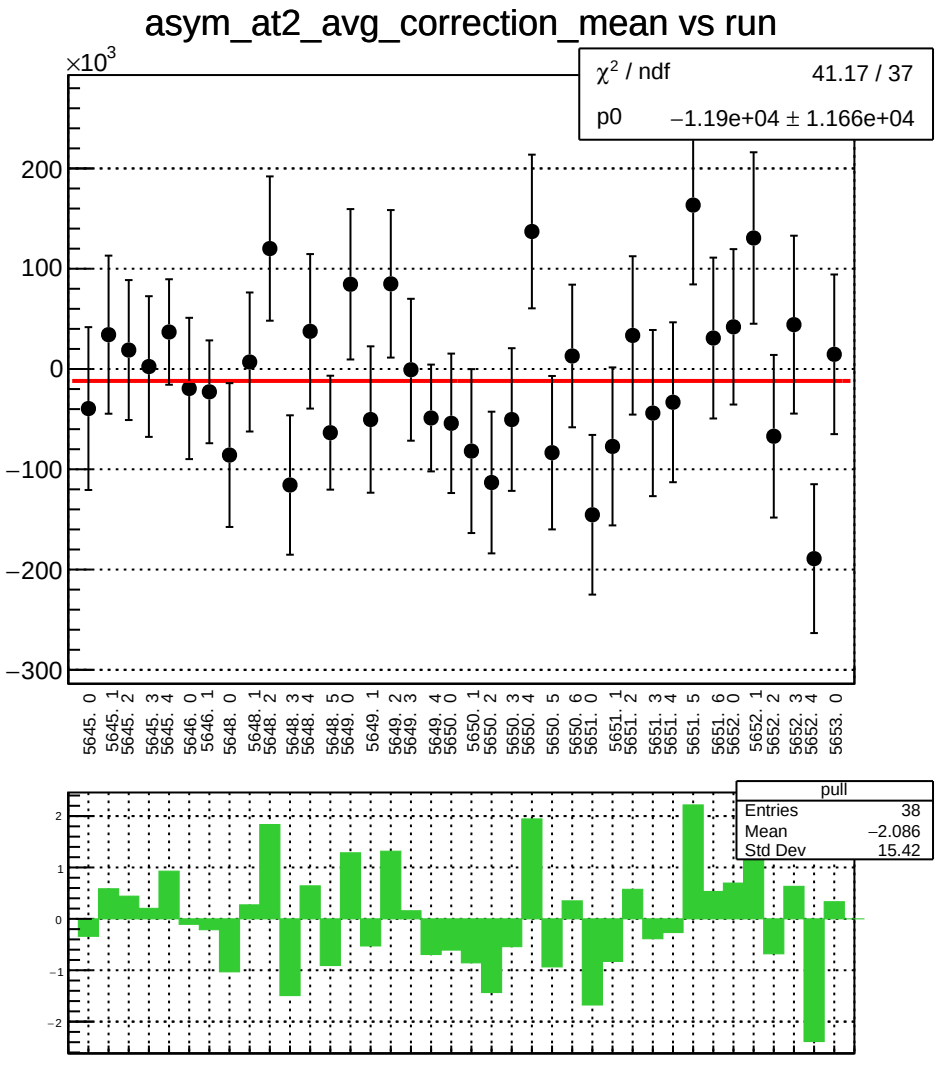

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 43.78 / 37
p0 2562 ± 4093
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 58.64
Std Dev 33.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

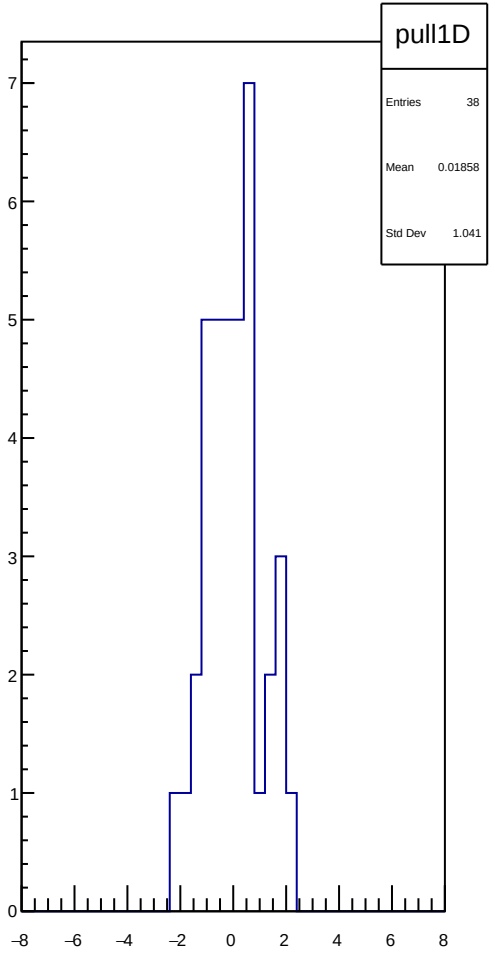

pull1D
Entries 38
Mean −0.08091
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

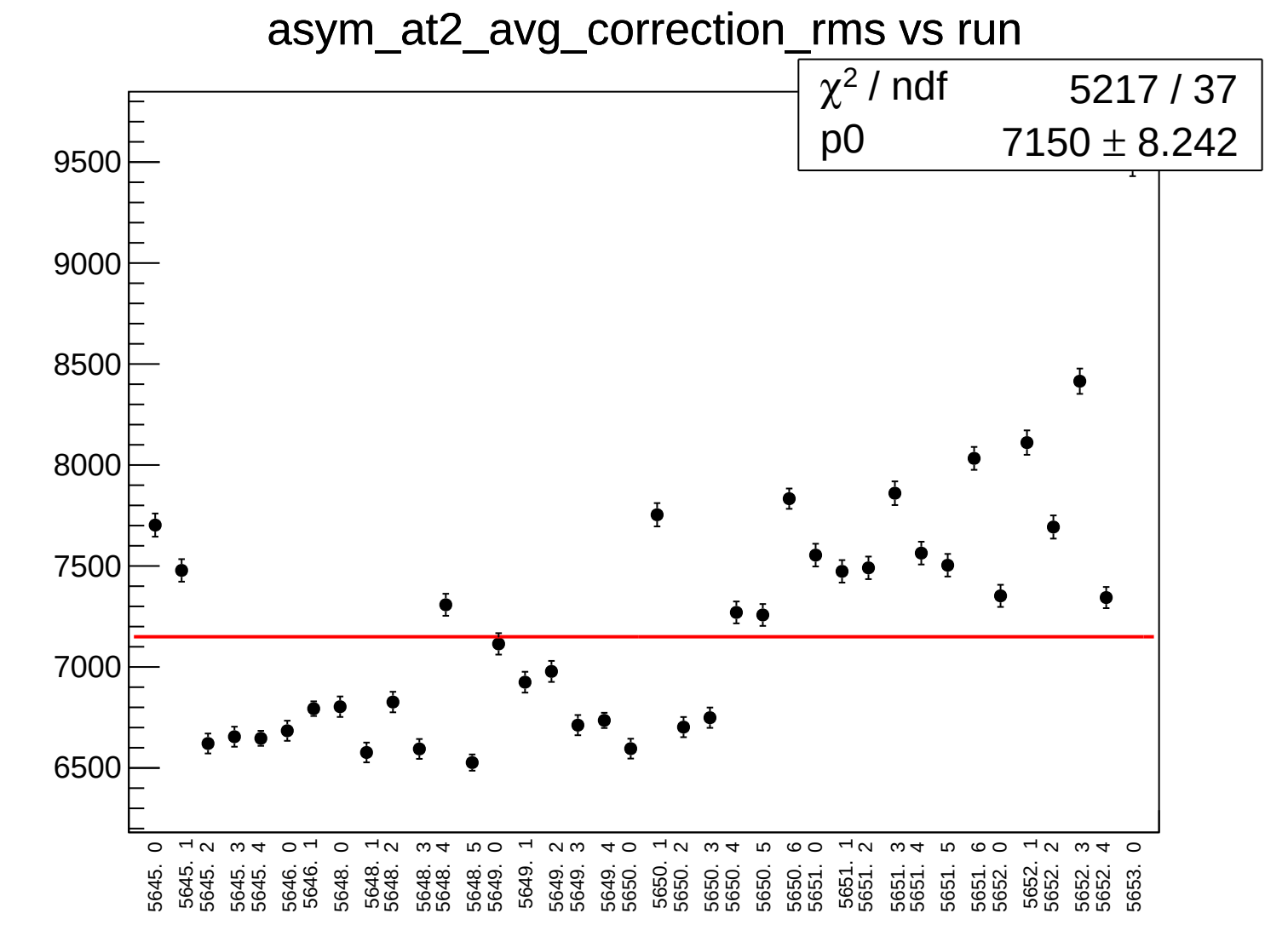

asym_at1_dd_rms vs run
χ² / ndf 1.187e+04 / 37
p0 2500 ± 2.894
6000
5500
5000
4500
4000
3500
3000
2500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

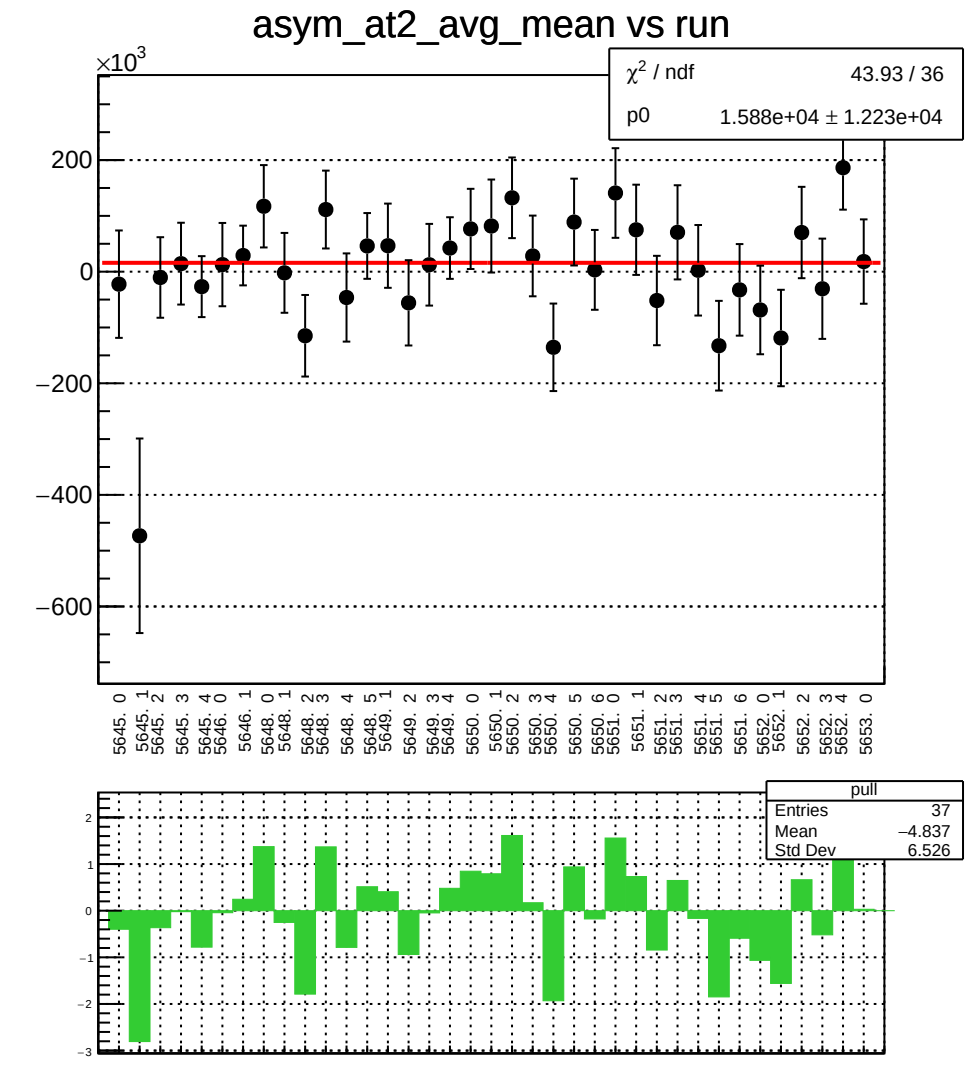

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 56.21 / 36
p0 4137 ± 2312
100
0
−100
−200
−300
−400
−500
−600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean 2.641
Std Dev 12.05
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.09283
Std Dev 1.229
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

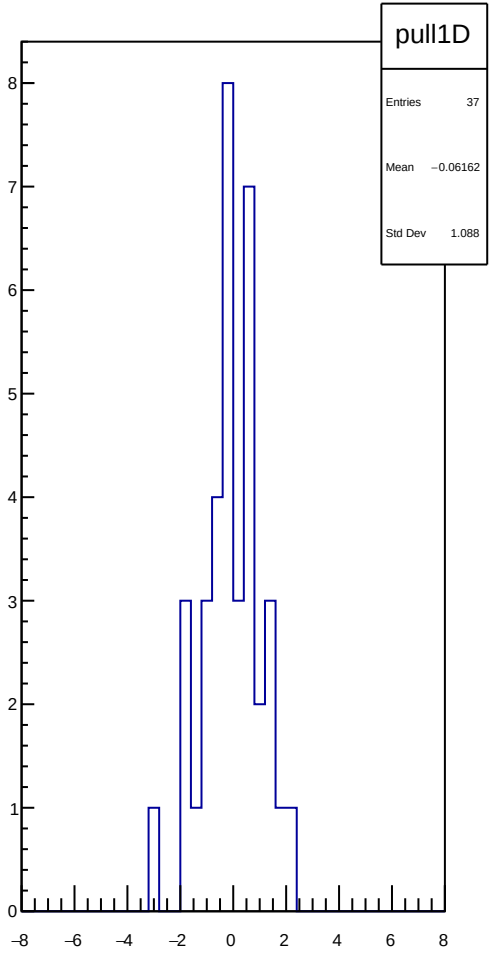

dit_asym_at2_avg_rms vs run
χ² / ndf 4.251e+04 / 37
p0 1383 ± 1.635
70000
60000
50000
40000
30000
20000
10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

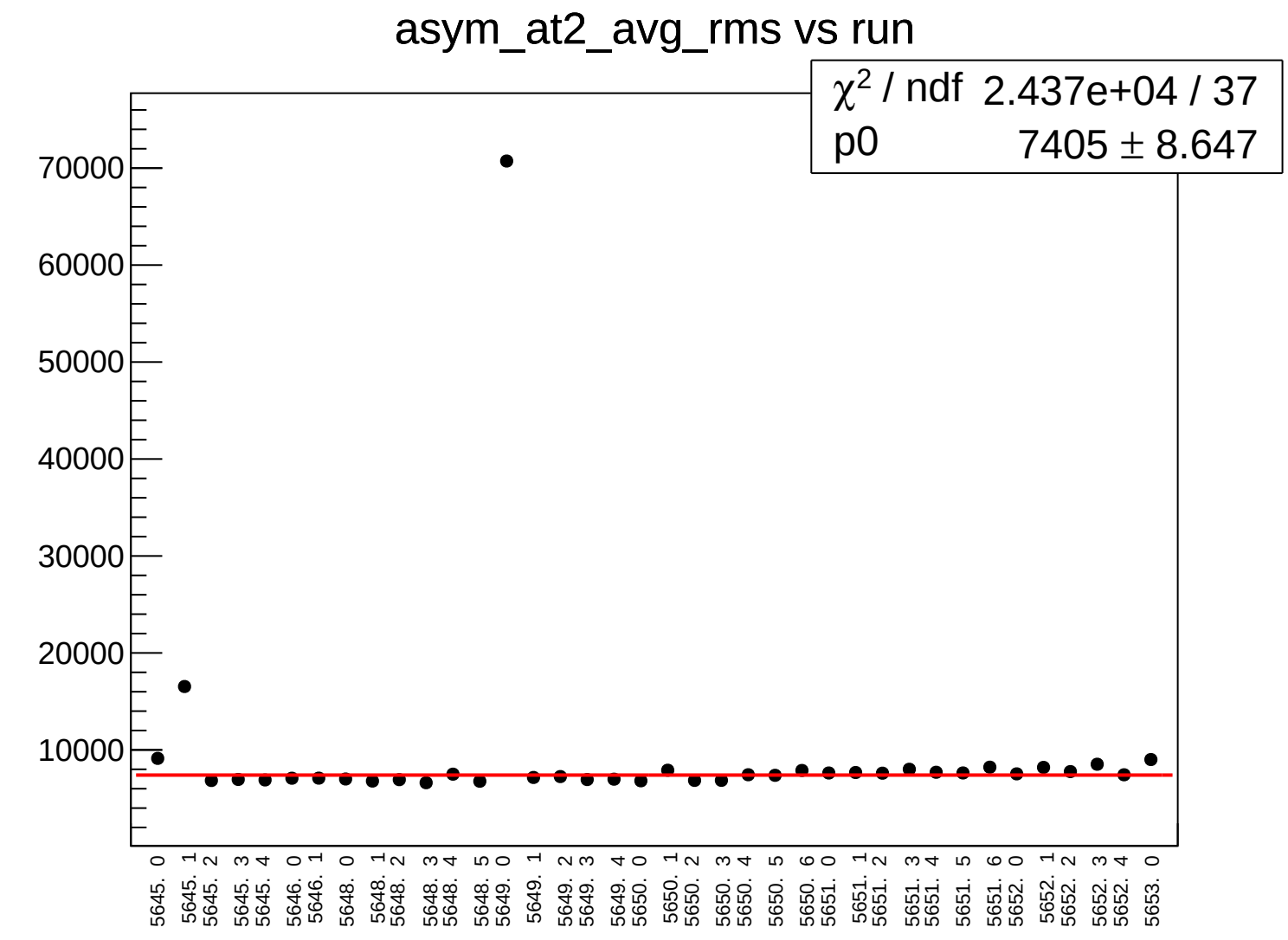

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 41.17 / 37
p0 −1.19e+04 ± 1.166e+04
200
100
0
−100
−200
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −2.086
Std Dev 15.42
2
1
0
−1
−2

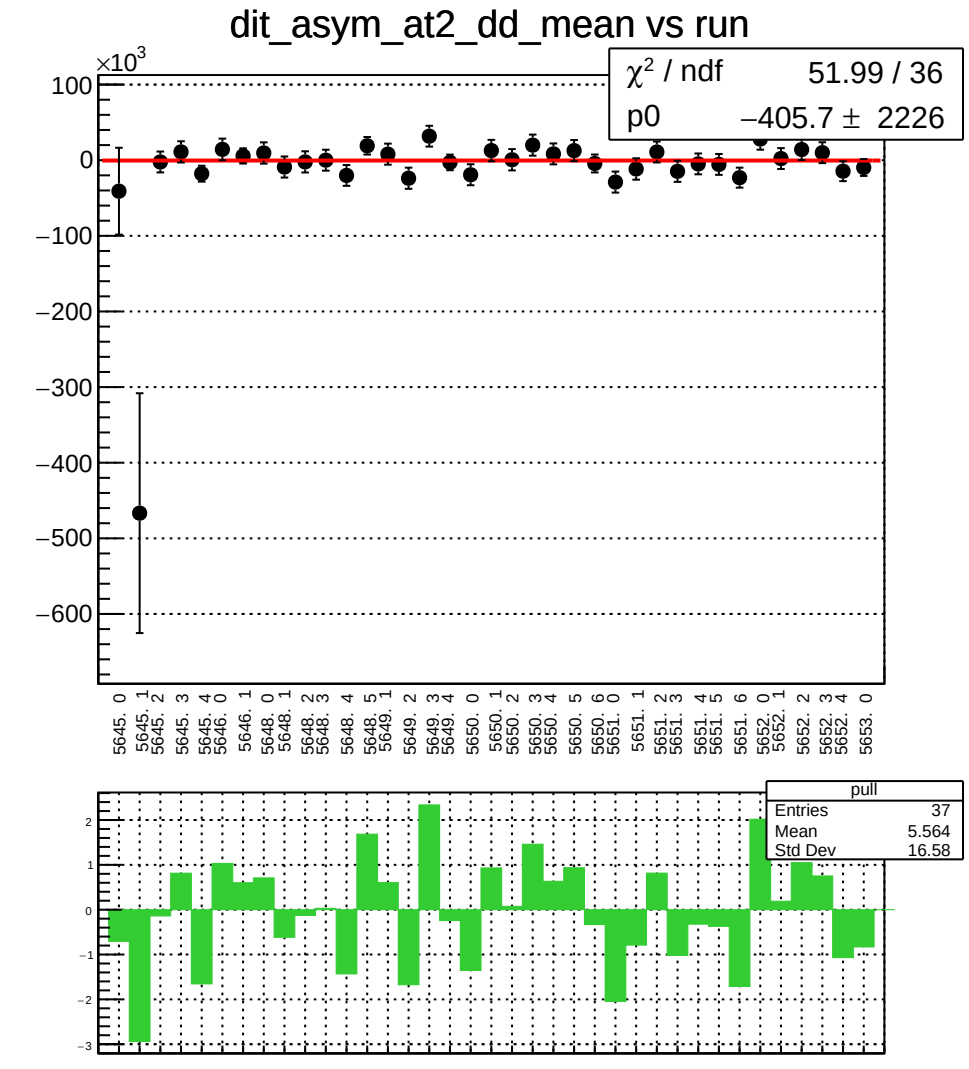

pull1D
Entries 38
Mean 0.01858
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

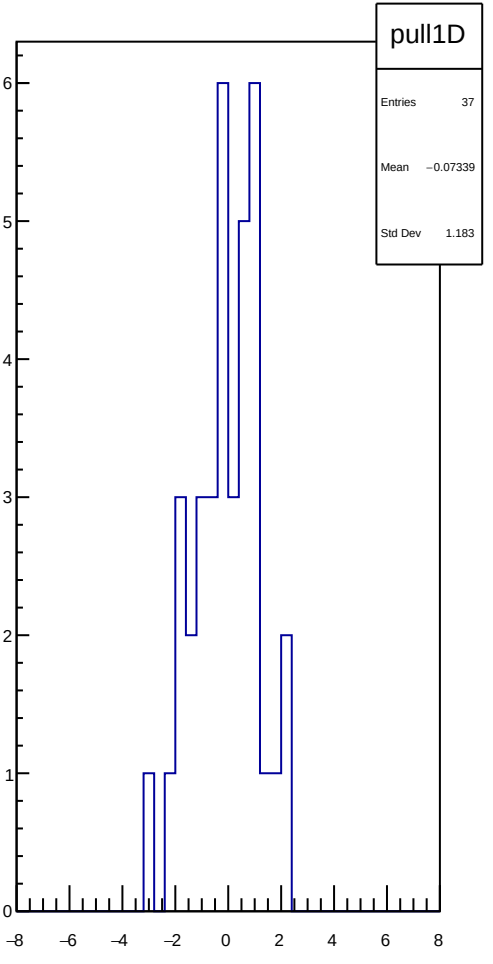

asym_at2_avg_correction_rms vs run
χ² / ndf 5217 / 37
p0 7150 ± 8.242
9500
9000
8500
8000
7500
7000
6500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

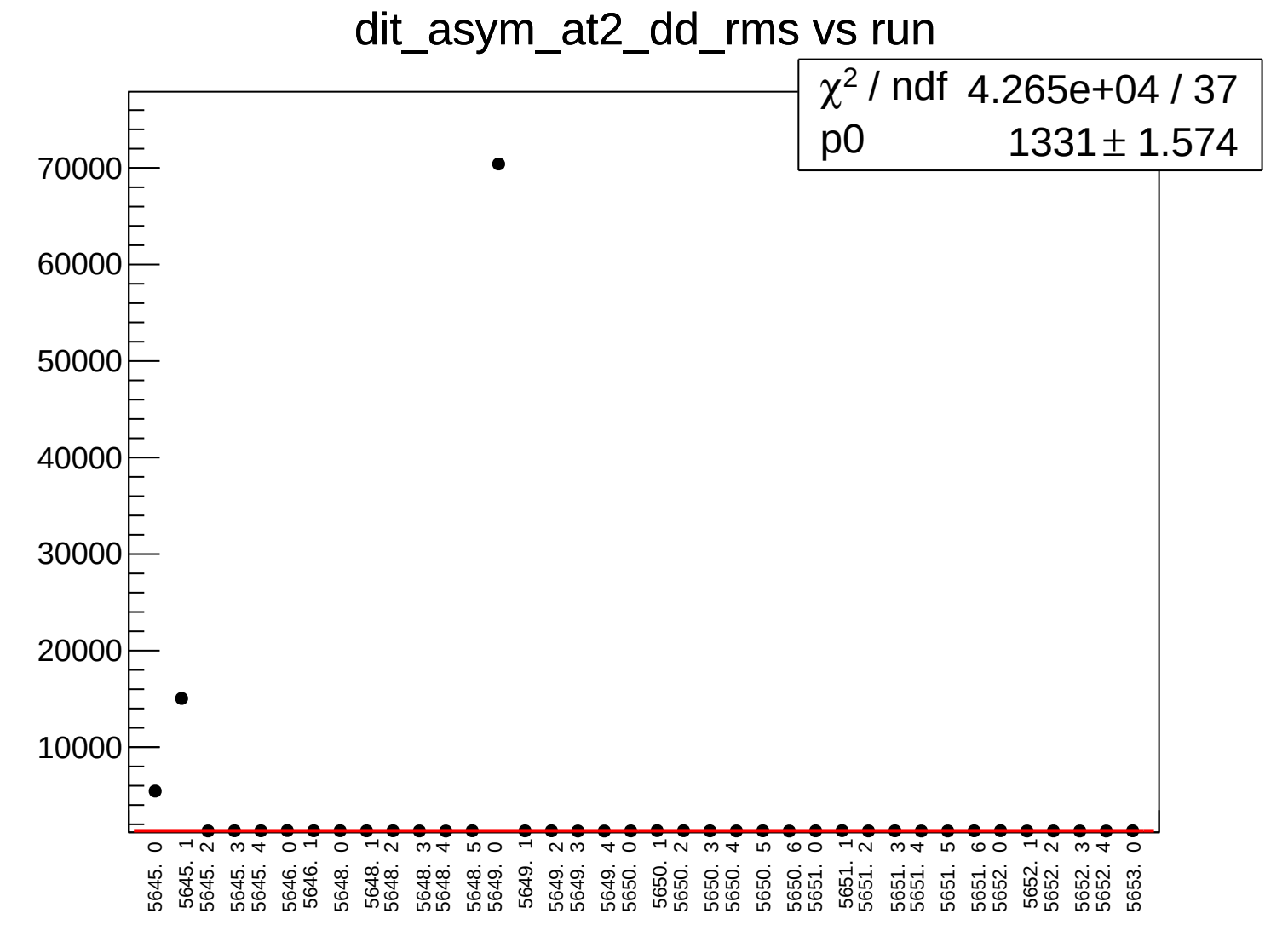

asym_at2_avg_mean vs run
×10^3
χ² / ndf 43.93 / 36
p0 1.588e+04 ± 1.223e+04
200
0
−200
−400
−600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean −4.837
Std Dev 6.526
2
1
0
−1
−2
−3

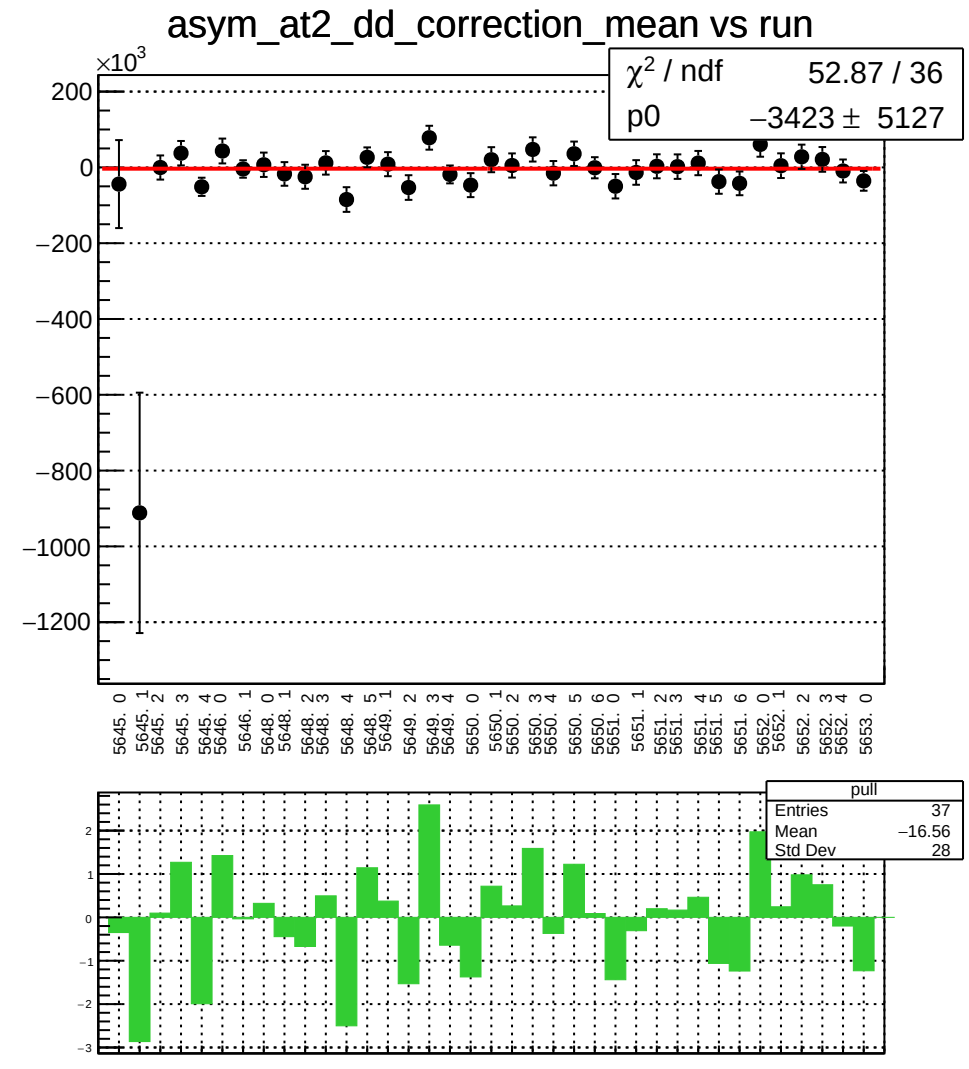

pull1D
Entries 37
Mean −0.06162
Std Dev 1.088
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

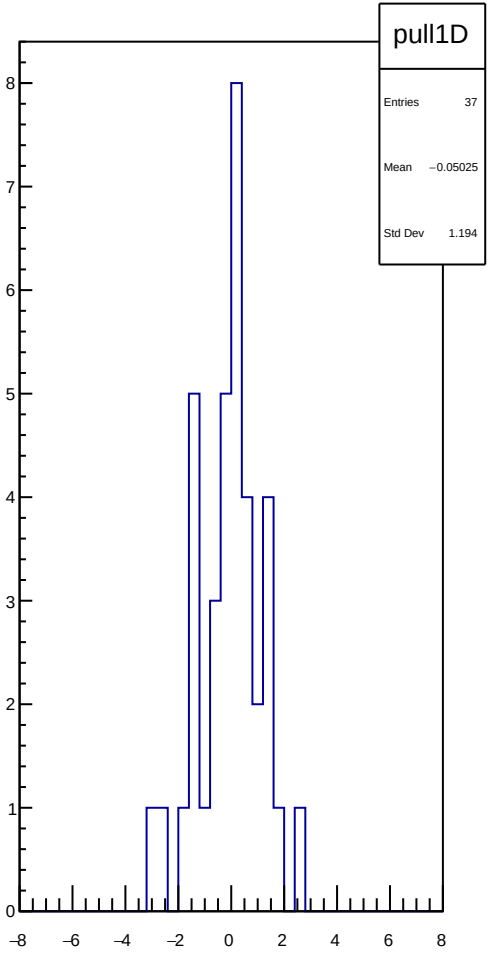

asym_at2_avg_rms vs run
χ² / ndf 2.437e+04 / 37
p0 7405 ± 8.647
70000
60000
50000
40000
30000
20000
10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

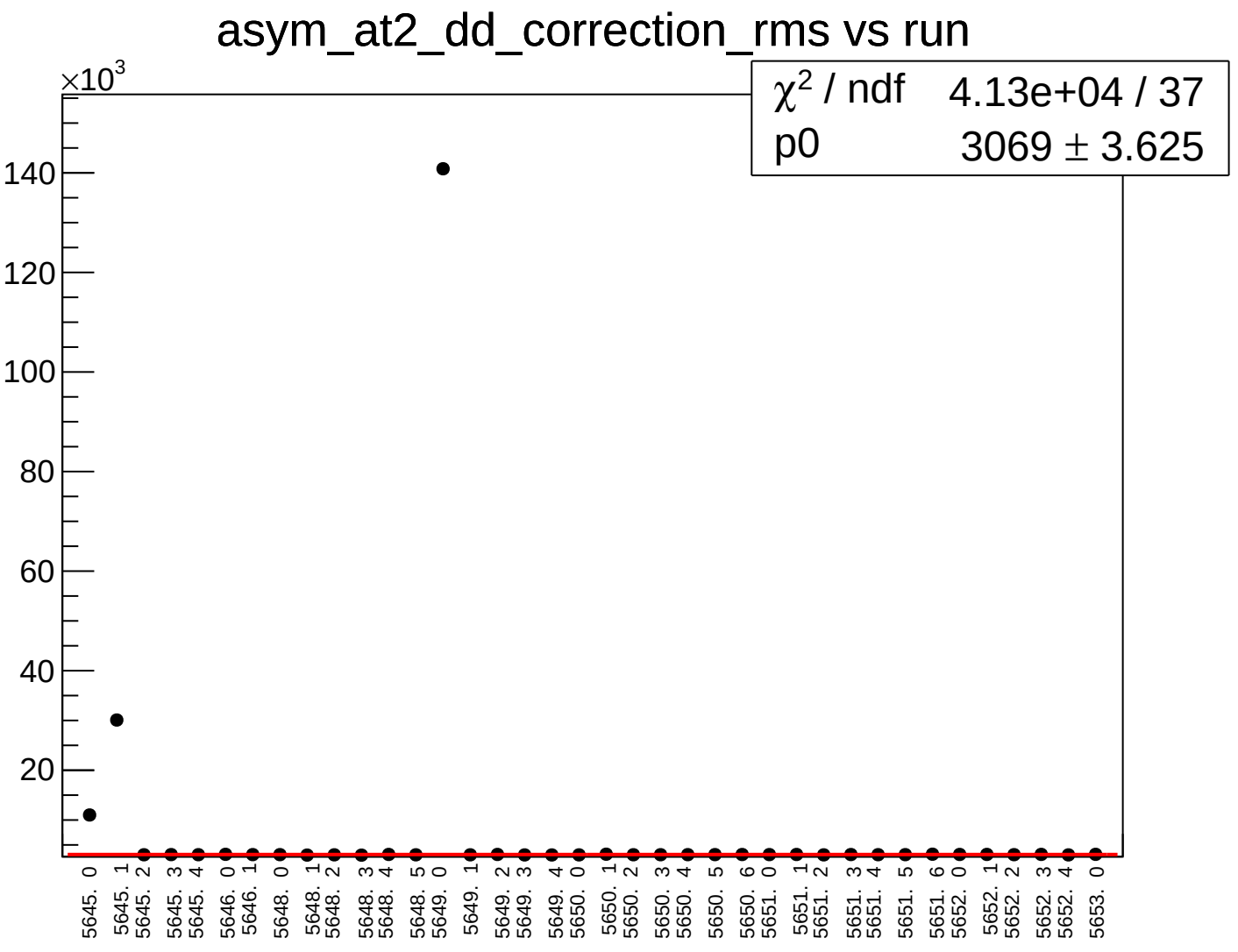

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 51.99 / 36
p0 −405.7 ± 2226
100
0
−100
−200
−300
−400
−500
−600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean 5.564
Std Dev 16.58
2
1
0
−1
−2
−3

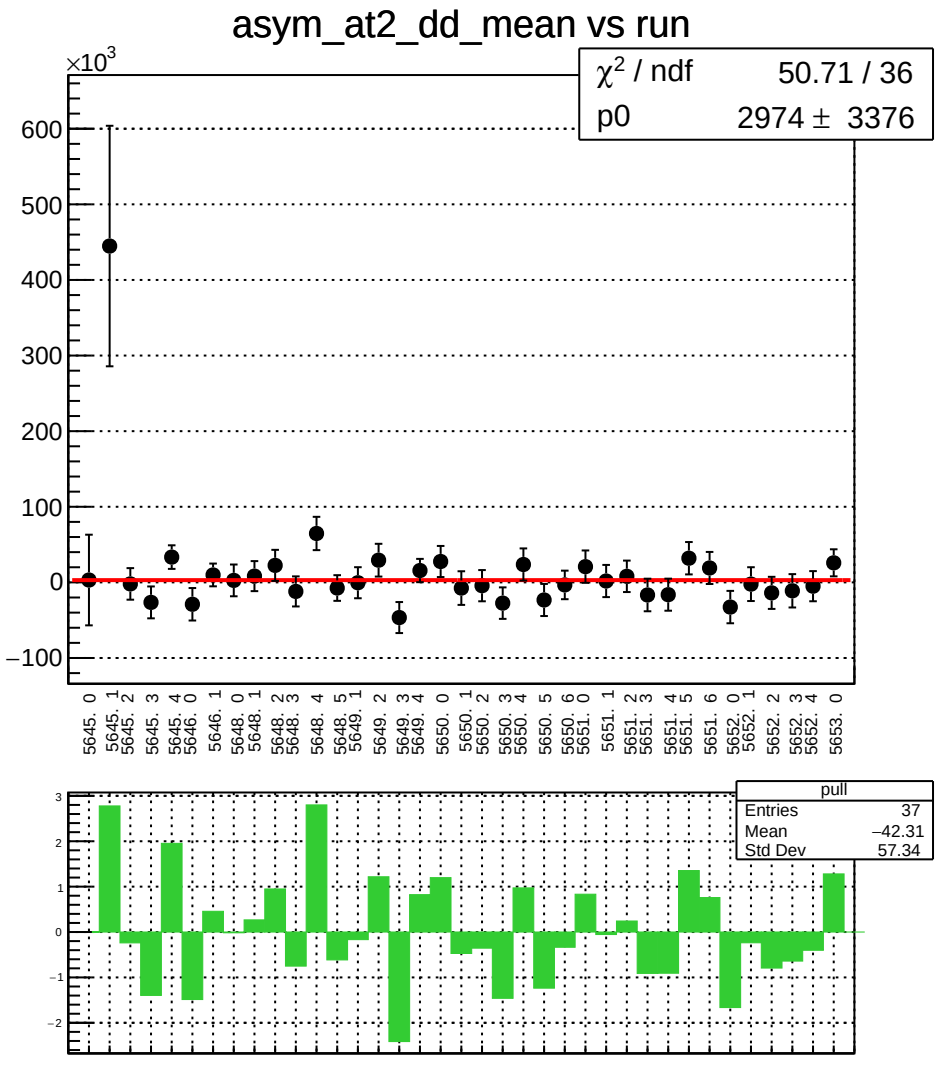

pull1D
Entries 37
Mean −0.07339
Std Dev 1.183
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

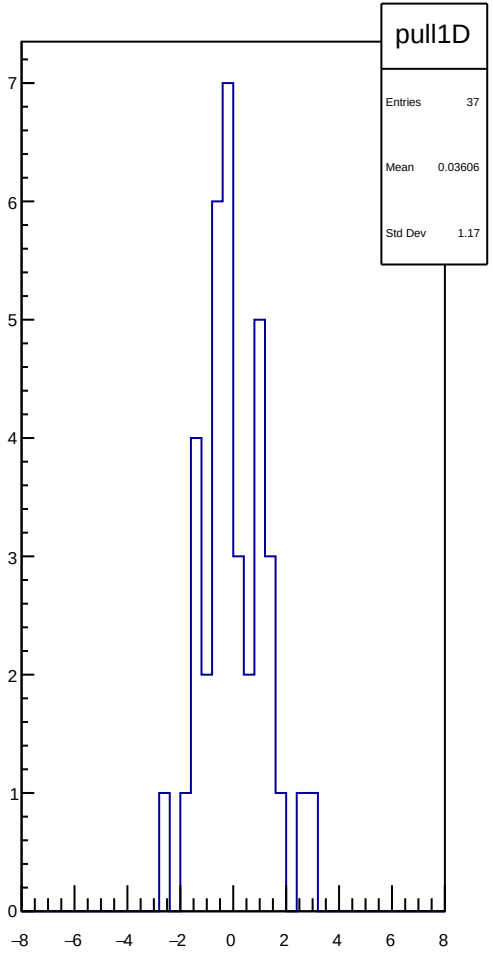

dit_asym_at2_dd_rms vs run
χ² / ndf 4.265e+04 / 37
p0 1331 ± 1.574
70000
60000
50000
40000
30000
20000
10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

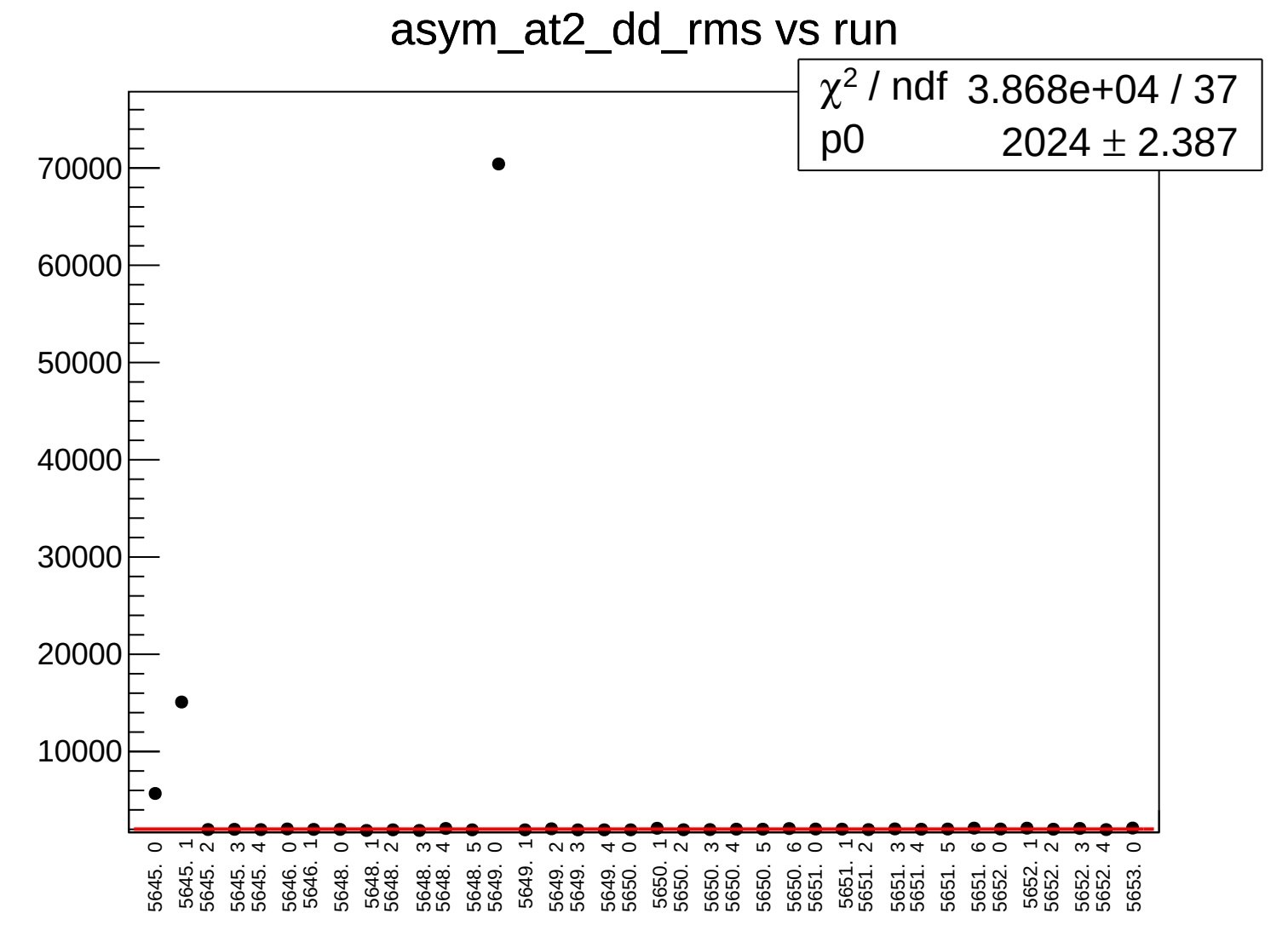

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 52.87 / 36
p0 −3423 ± 5127
200
0
−200
−400
−600
−800
−1000
−1200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean −16.56
Std Dev 28
2
1
0
−1
−2
−3

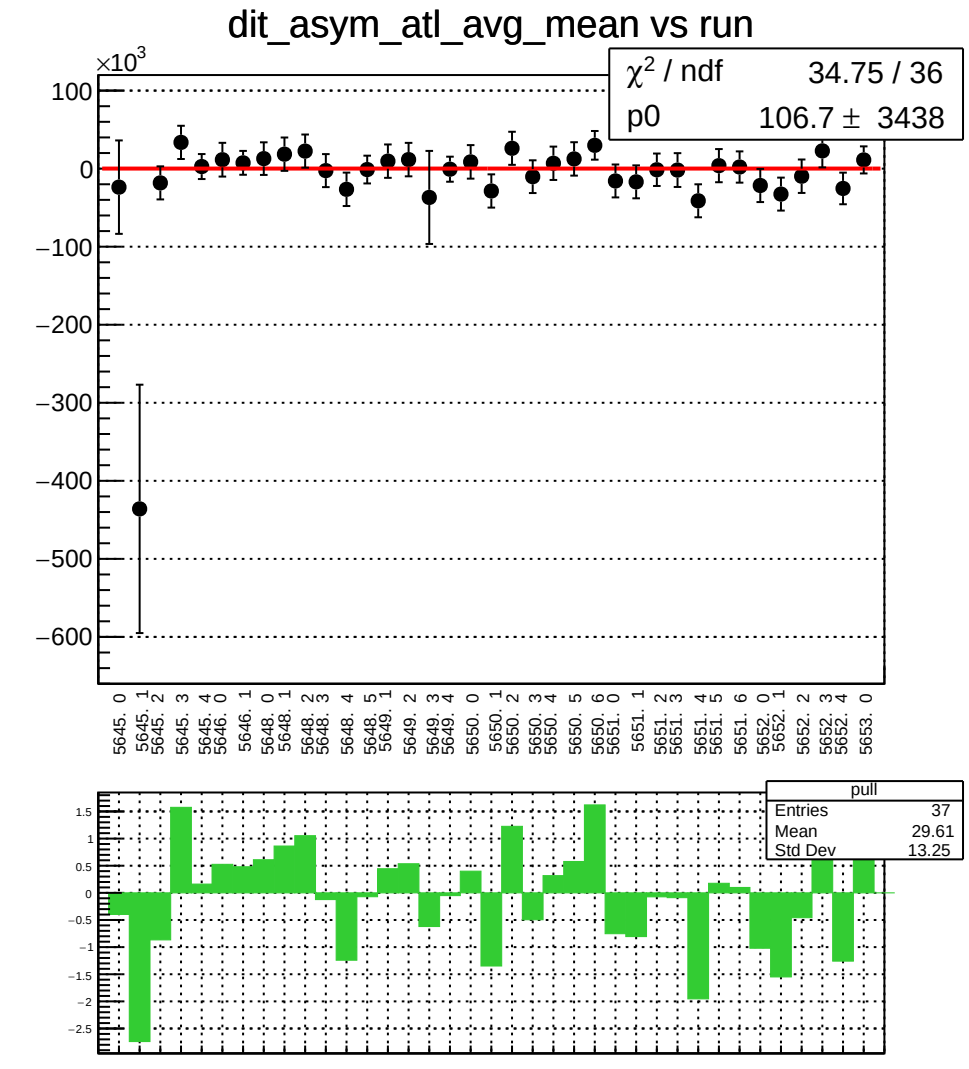

pull1D
Entries 37
Mean −0.05025
Std Dev 1.194
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

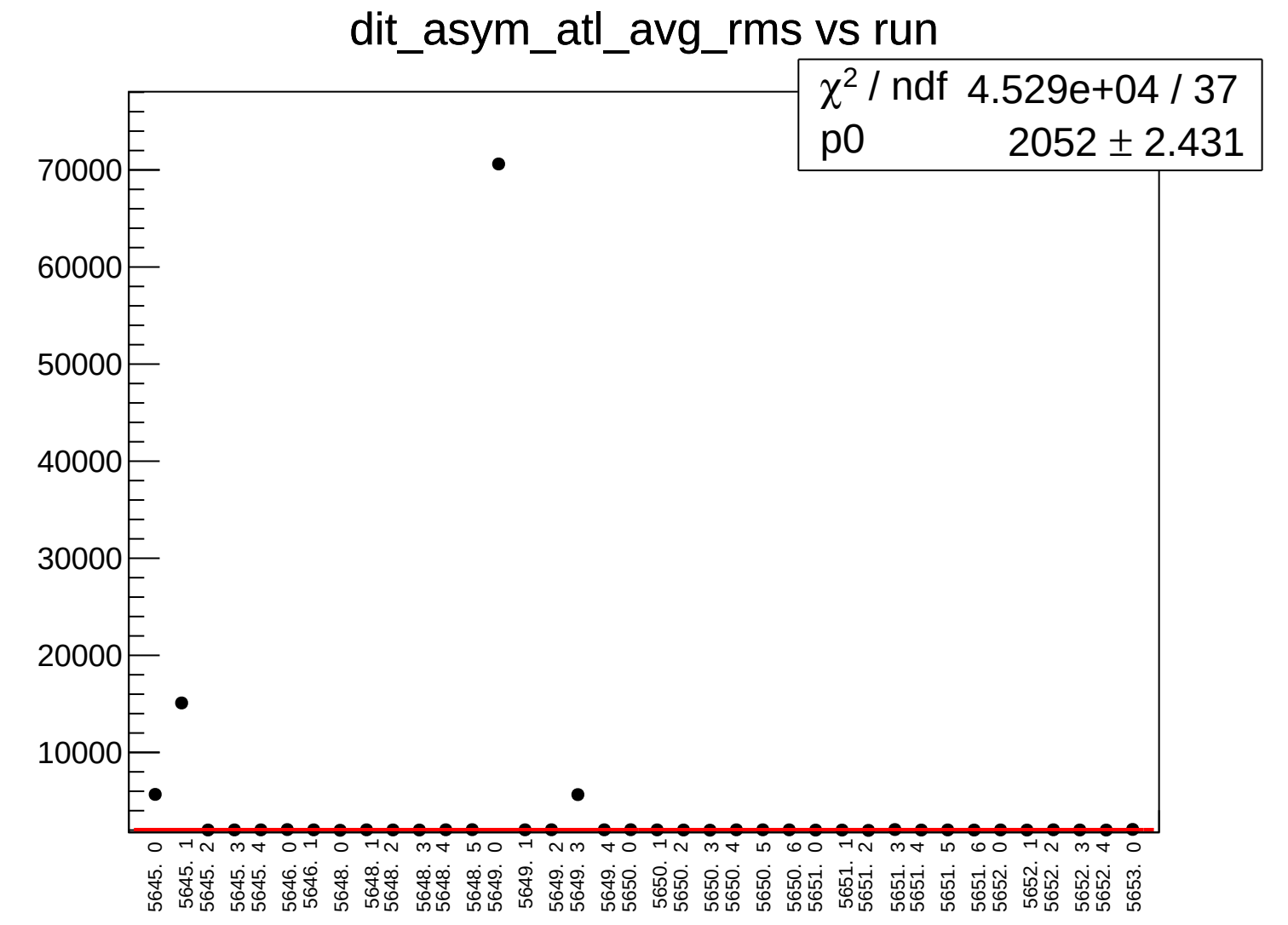

asym_at2_dd_correction_rms vs run
×10^3
χ^2 / ndf 4.13e+04 / 37
p0 3069 ± 3.625
140
120
100
80
60
40
20
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

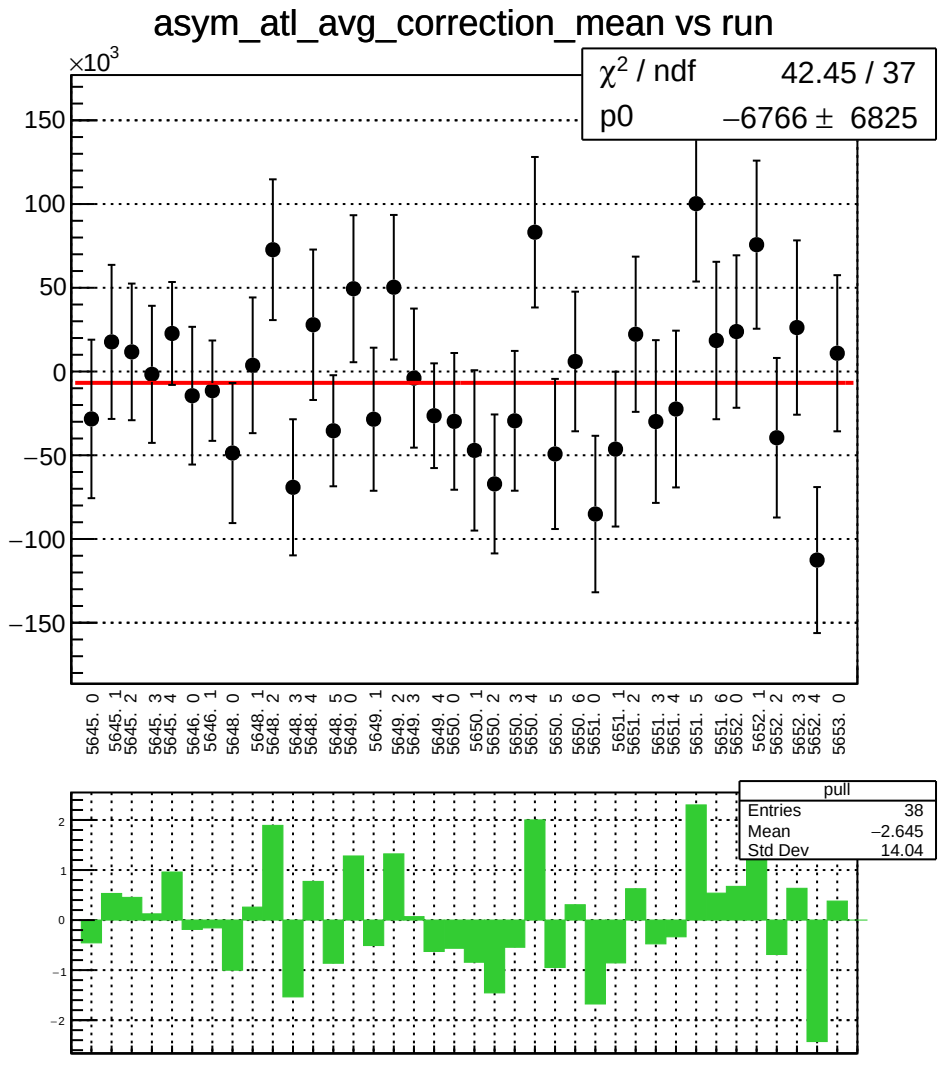

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 50.71 / 36
p0 2974 ± 3376
600
500
400
300
200
100
0
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean −42.31
Std Dev 57.34
3
2
1
0
−1
−2

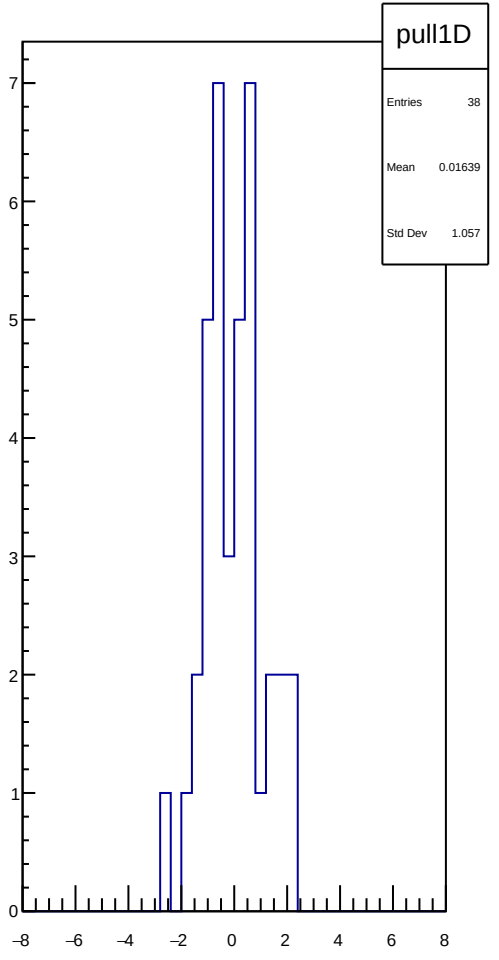

pull1D
Entries 37
Mean 0.03606
Std Dev 1.17
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

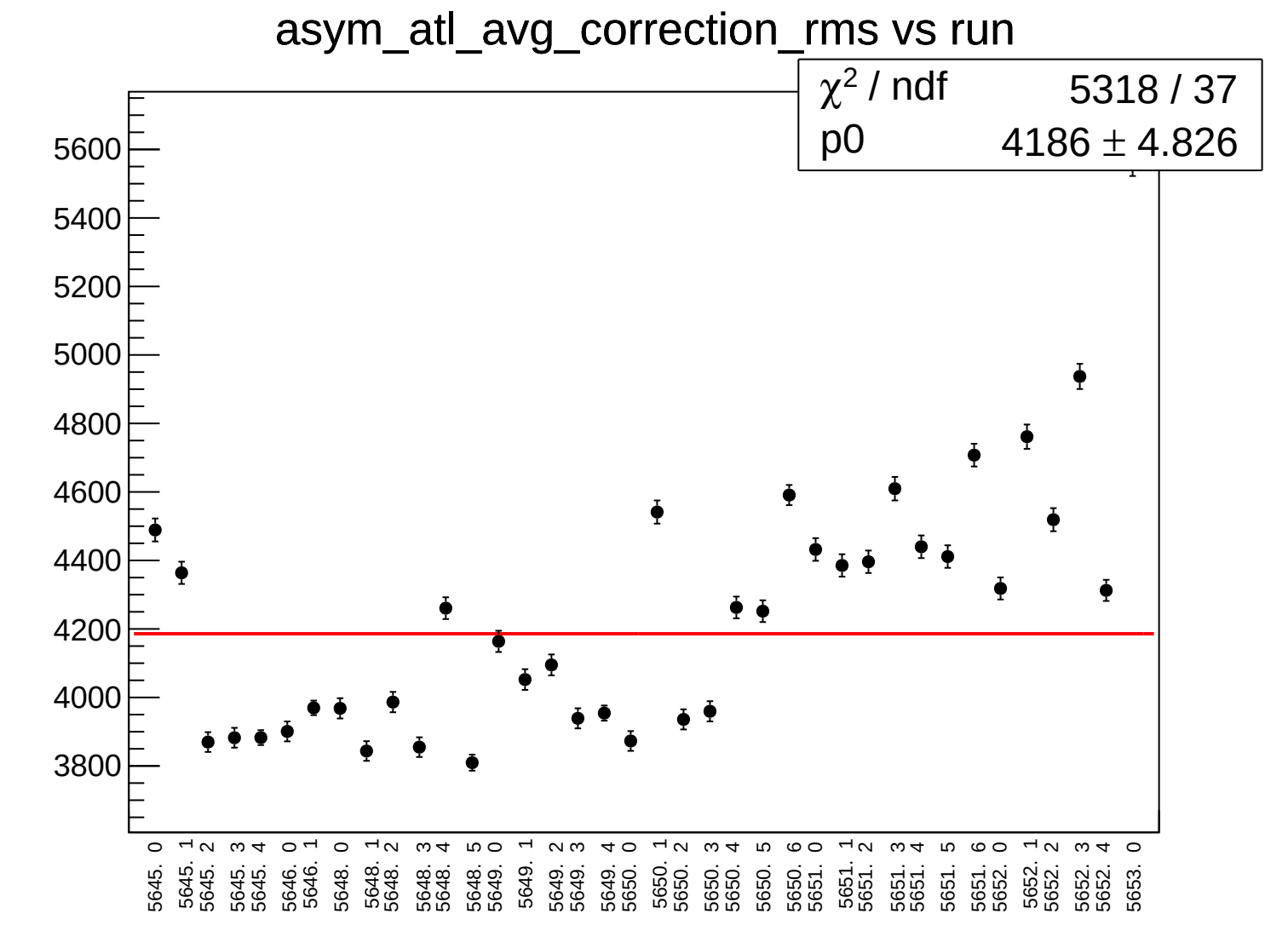

asym_at2_dd_rms vs run
χ² / ndf 3.868e+04 / 37
p0 2024 ± 2.387
70000
60000
50000
40000
30000
20000
10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

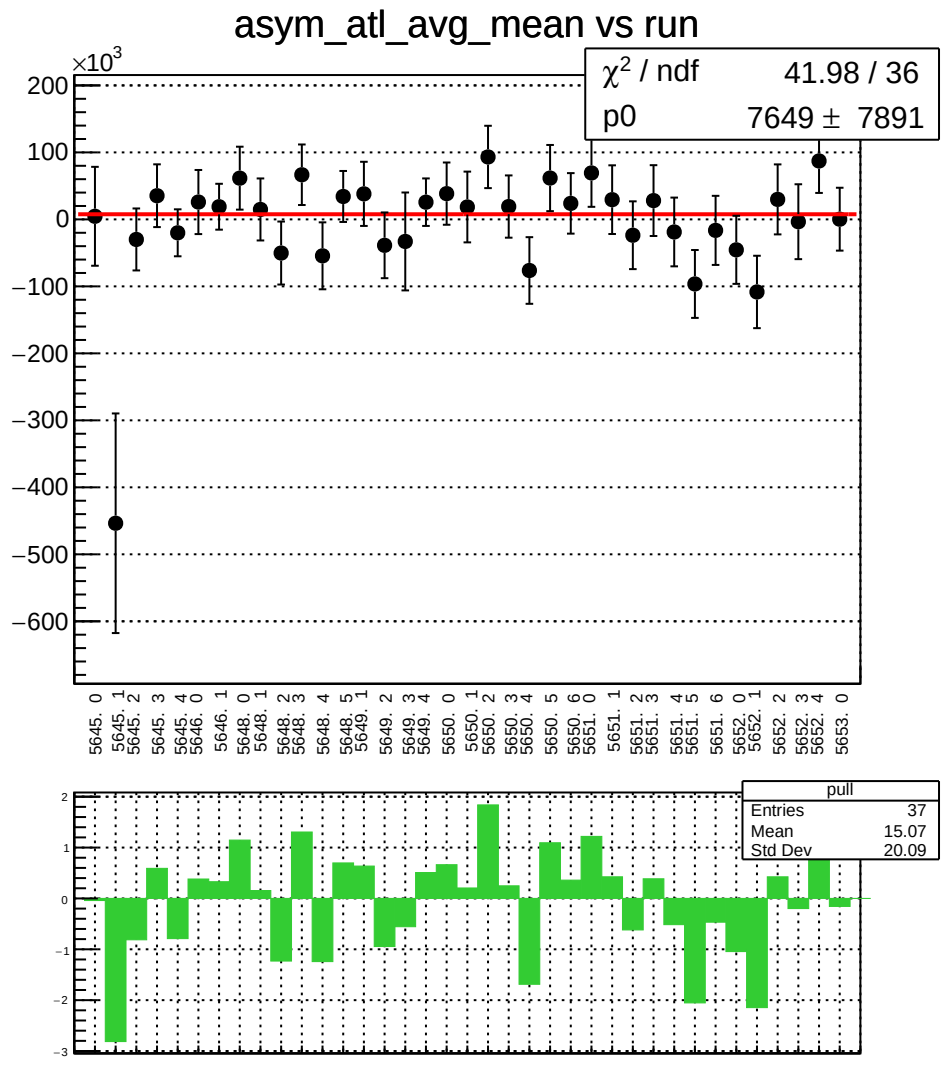

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 34.75 / 36
p0 106.7 ± 3438
100
0
−100
−200
−300
−400
−500
−600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean 29.61
Std Dev 13.25
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.09566
Std Dev 0.9644
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

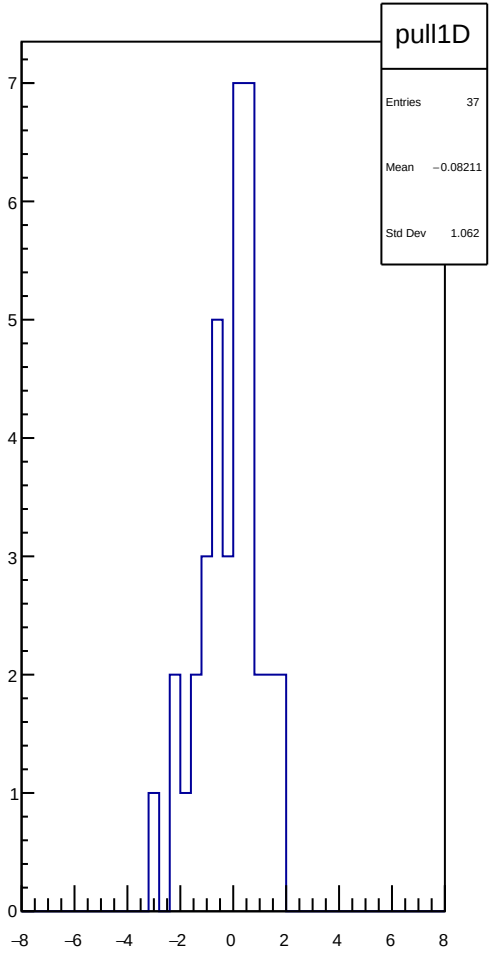

dit_asym_atl_avg_rms vs run
χ² / ndf 4.529e+04 / 37
p0 2052 ± 2.431
70000
60000
50000
40000
30000
20000
10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

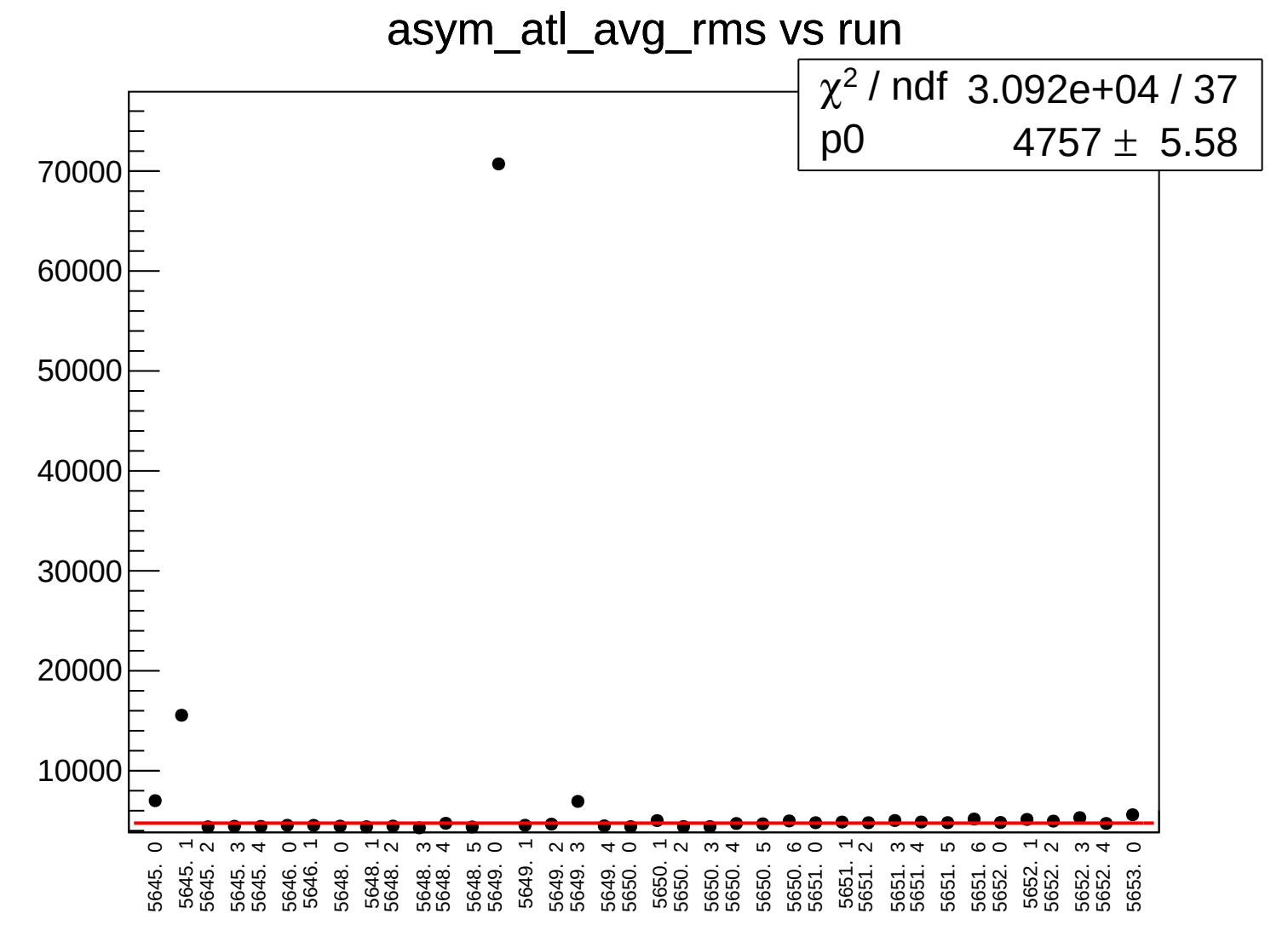

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 42.45 / 37
p0 −6766 ± 6825
150
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −2.645
Std Dev 14.04
2
1
0
−1
−2

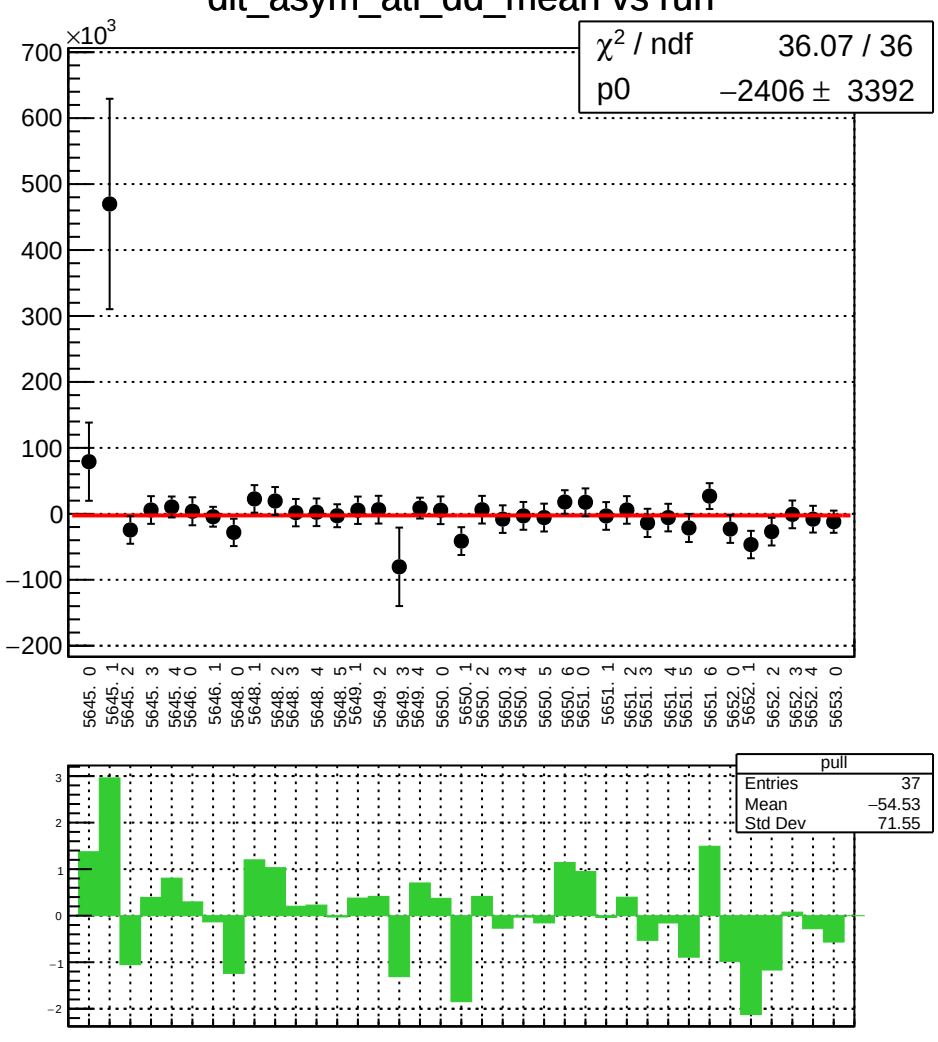

pull1D
Entries 38
Mean 0.01639
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

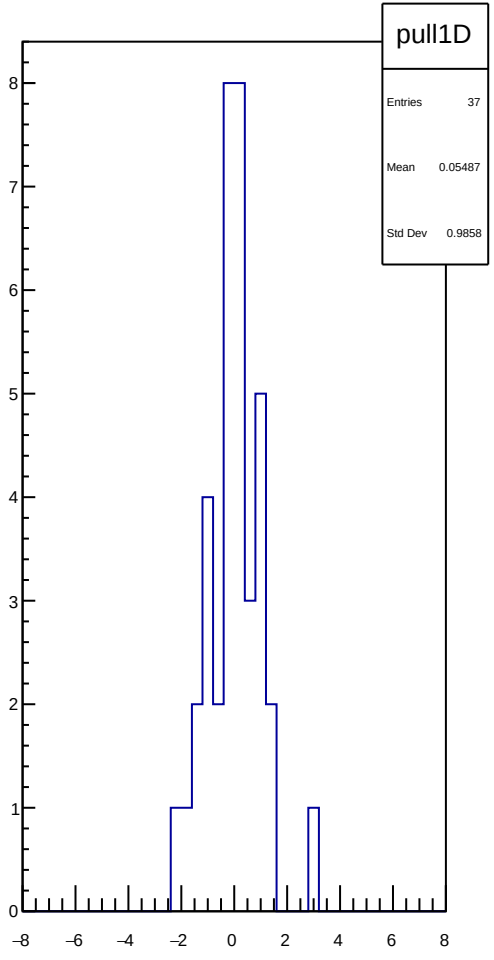

asym_atl_avg_correction_rms vs run
χ² / ndf 5318 / 37
p0 4186 ± 4.826
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

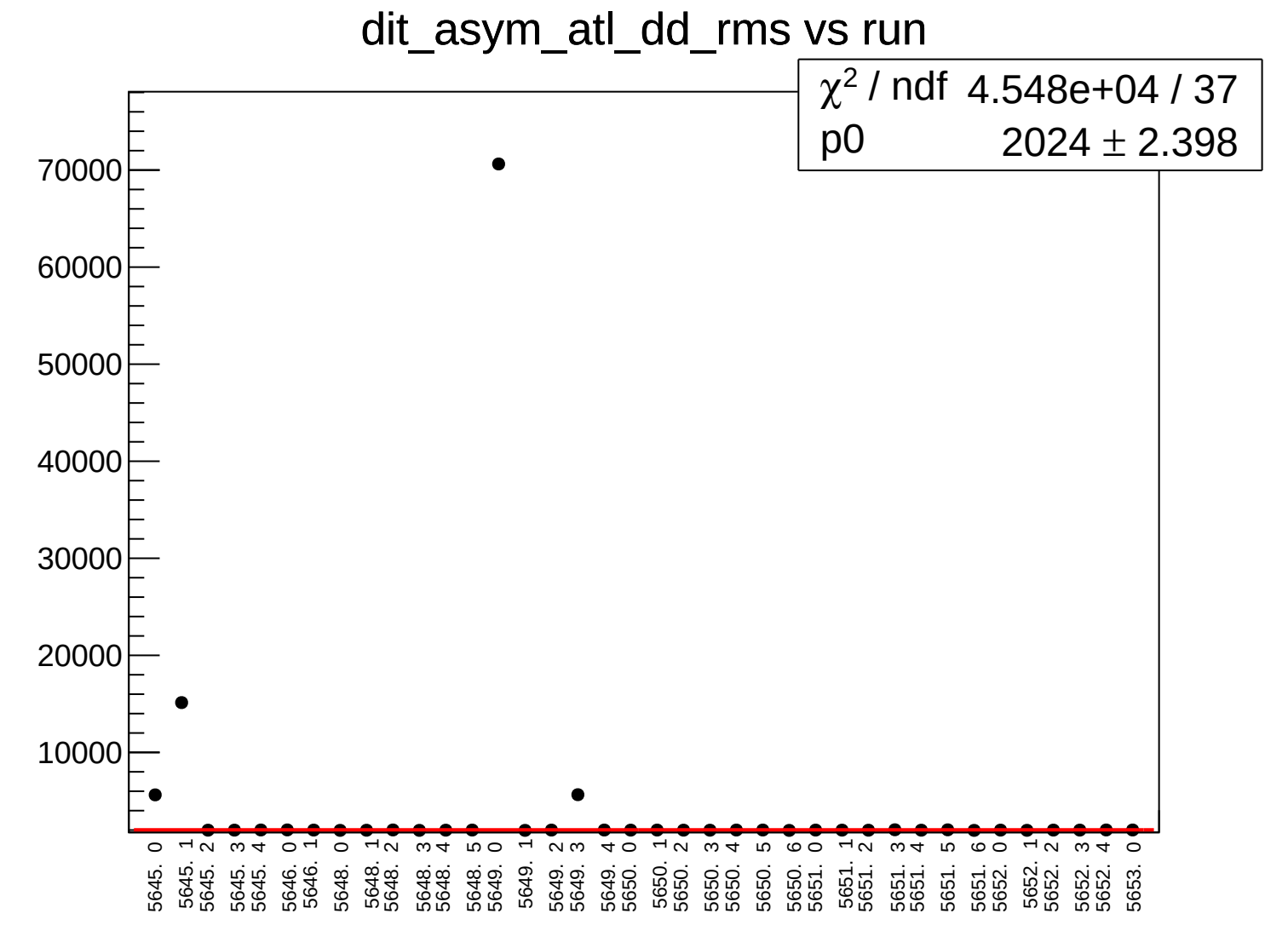

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 41.98 / 36
p0 7649 ± 7891
pull
Entries 37
Mean 15.07
Std Dev 20.09

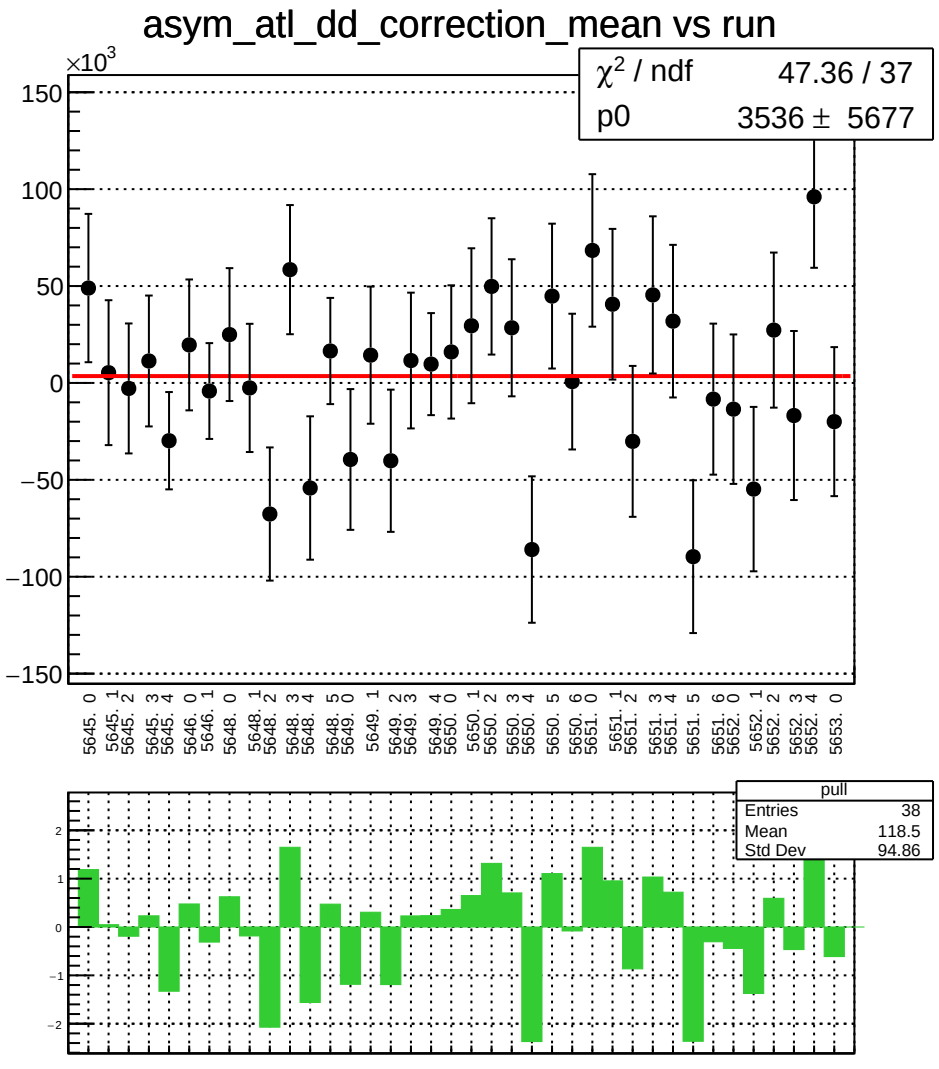

pull1D
Entries 37
Mean −0.08211
Std Dev 1.062

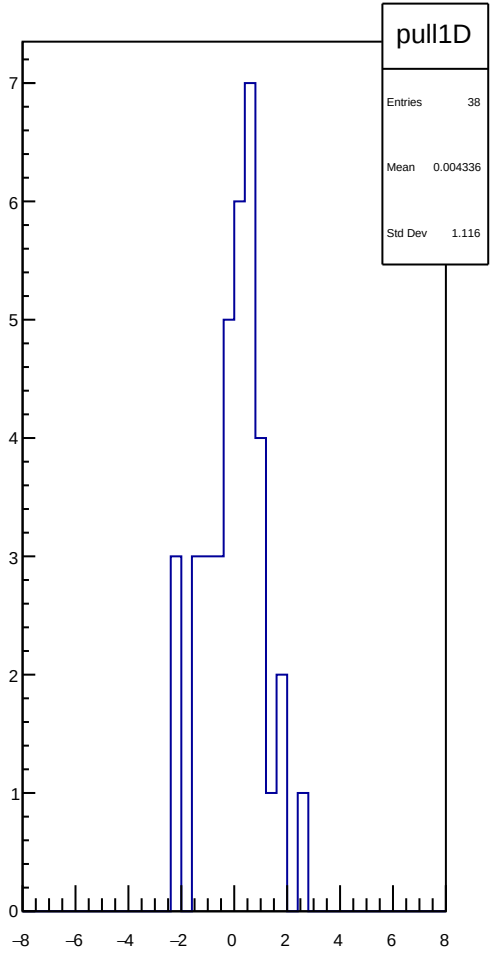

asym_atl_avg_rms vs run
χ² / ndf 3.092e+04 / 37
p0 4757 ± 5.58
70000
60000
50000
40000
30000
20000
10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

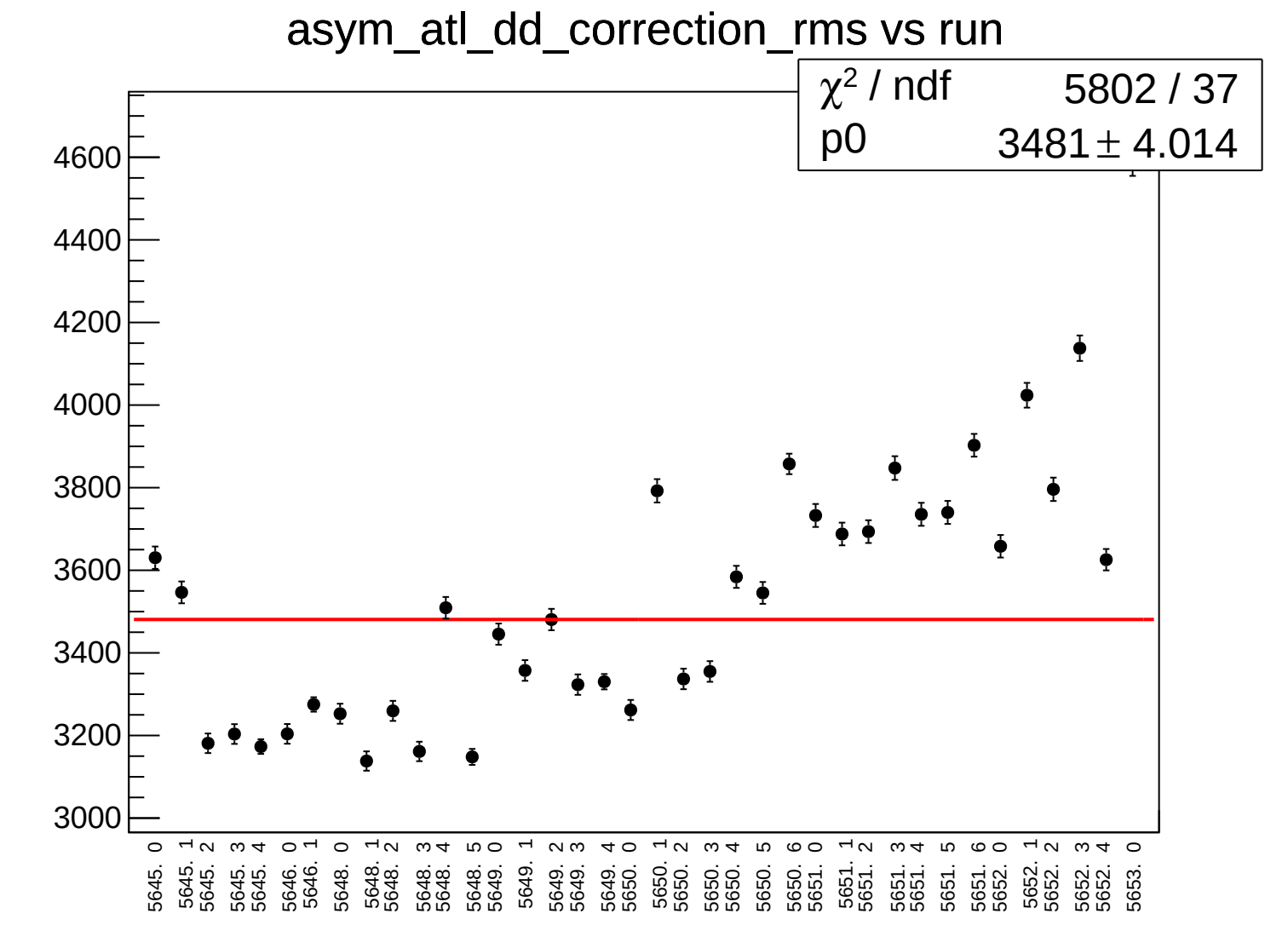

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 36.07 / 36
p0 −2406 ± 3392
pull
Entries 37
Mean −54.53
Std Dev 71.55

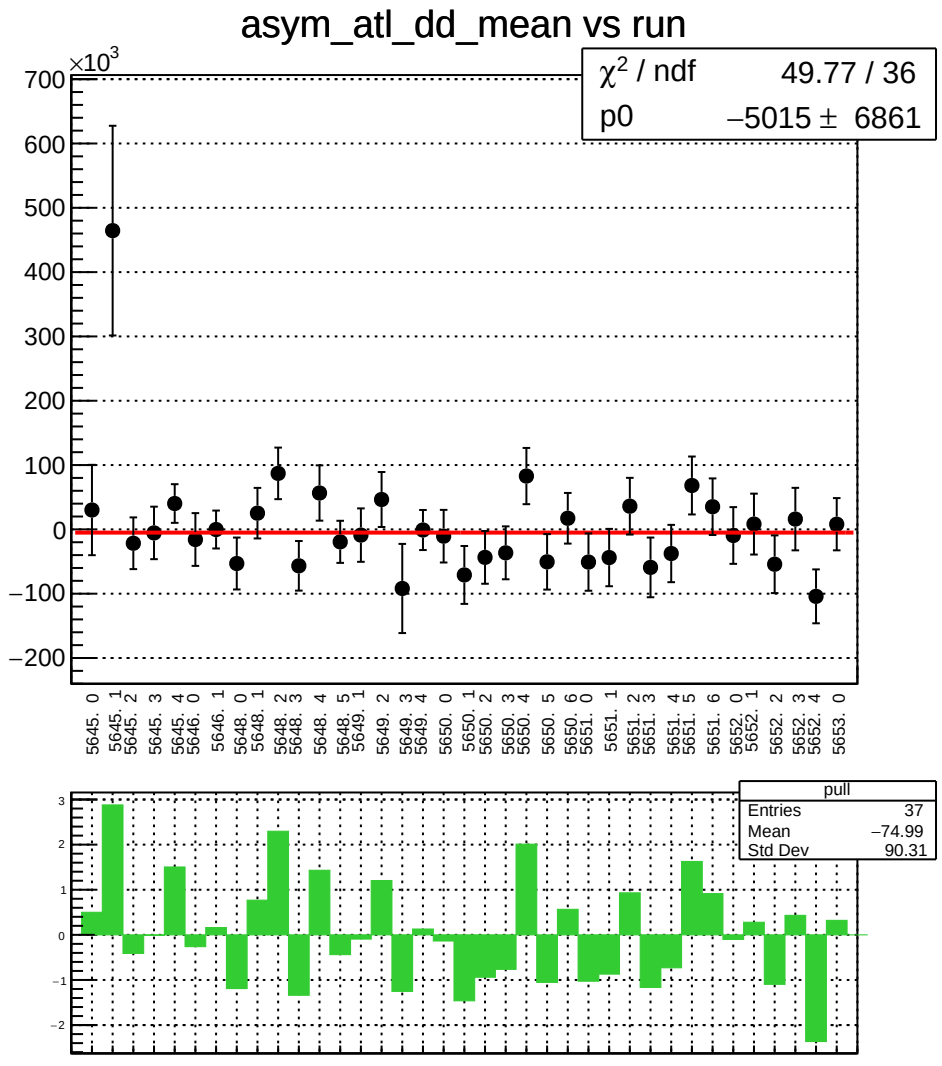

pull1D
Entries 37
Mean 0.05487
Std Dev 0.9858

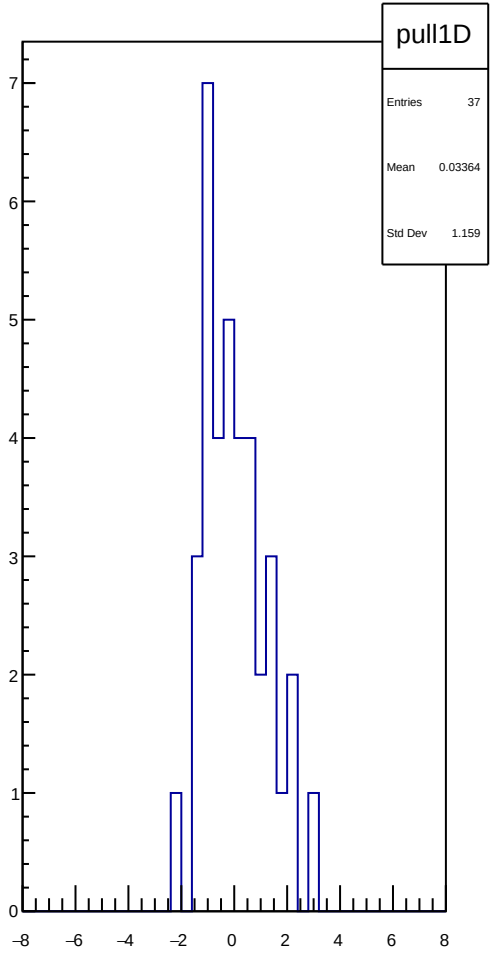

dit_asym_atl_dd_rms vs run
χ² / ndf 4.548e+04 / 37
p0 2024 ± 2.398
70000
60000
50000
40000
30000
20000
10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

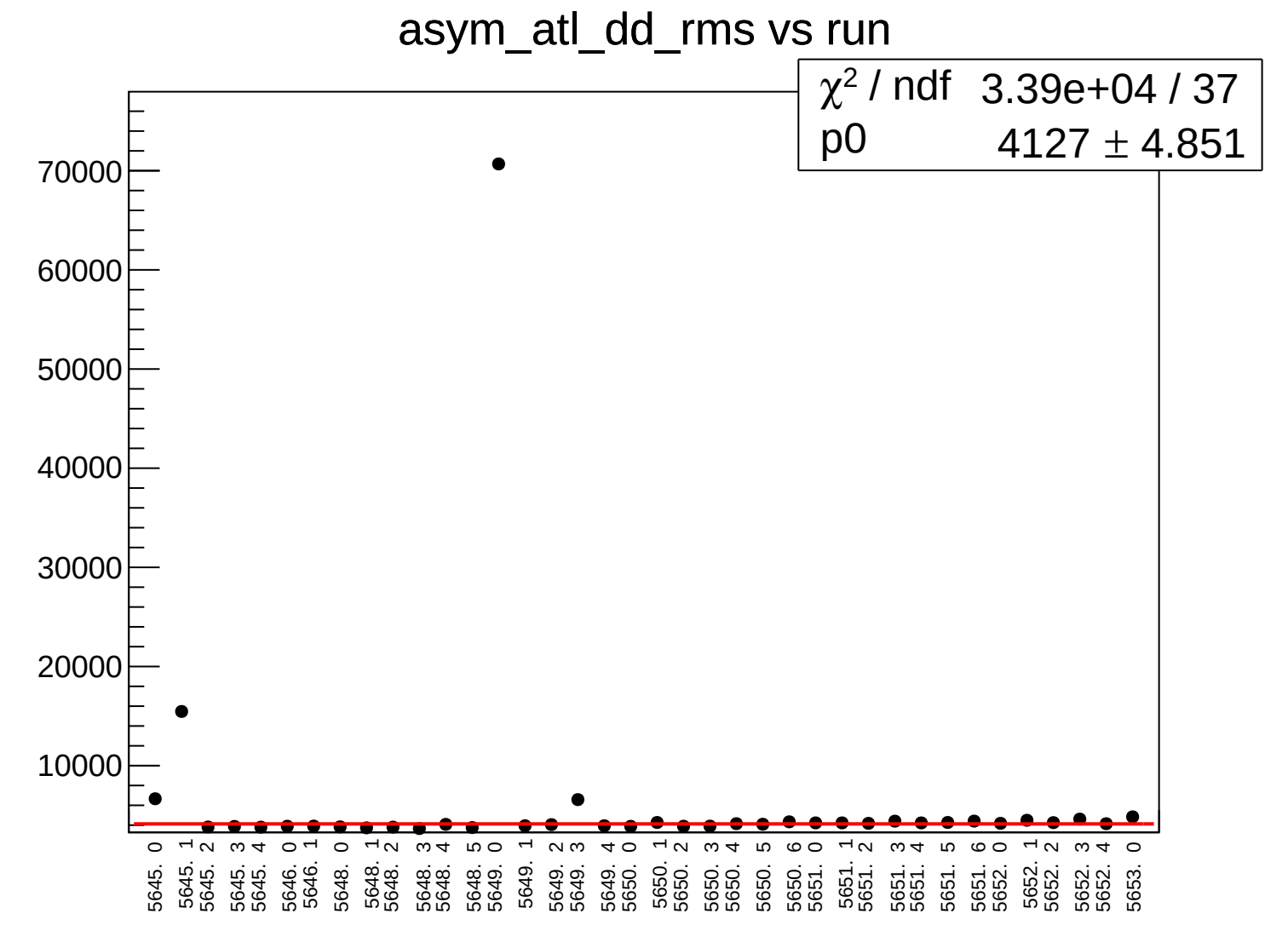

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 47.36 / 37
p0 3536 ± 5677
150
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 118.5
Std Dev 94.86
2
1
0
−1
−2

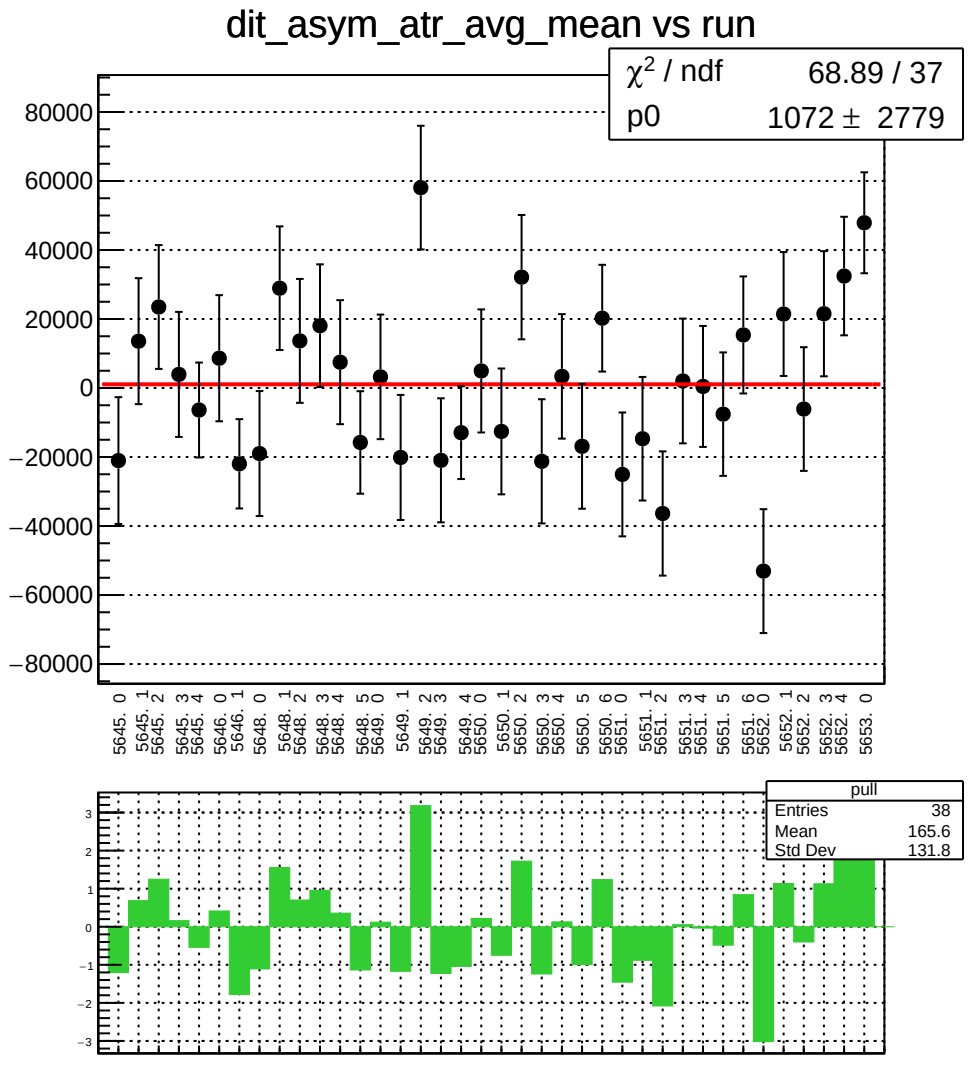

pull1D
Entries 38
Mean 0.004336
Std Dev 1.116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

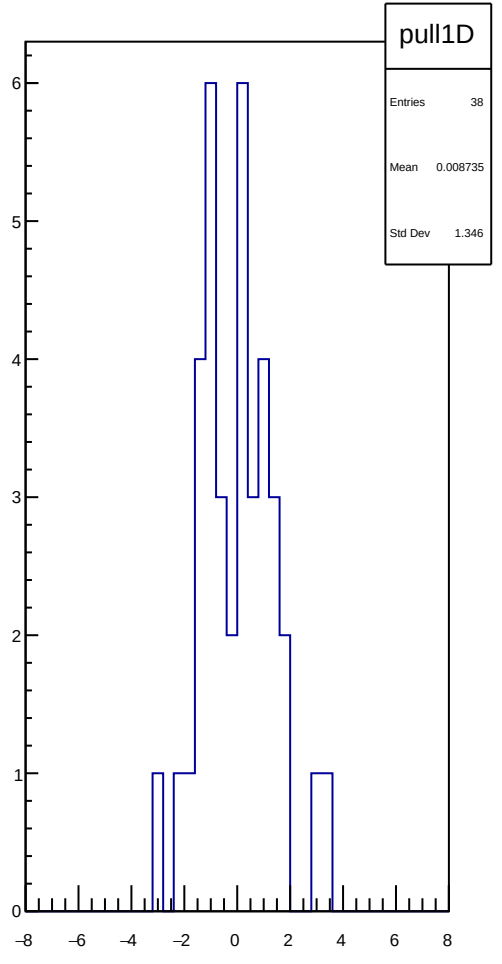

asym_atl_dd_correction_rms vs run
χ² / ndf 5802 / 37
p0 3481 ± 4.014
4600
4400
4200
4000
3800
3600
3400
3200
3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

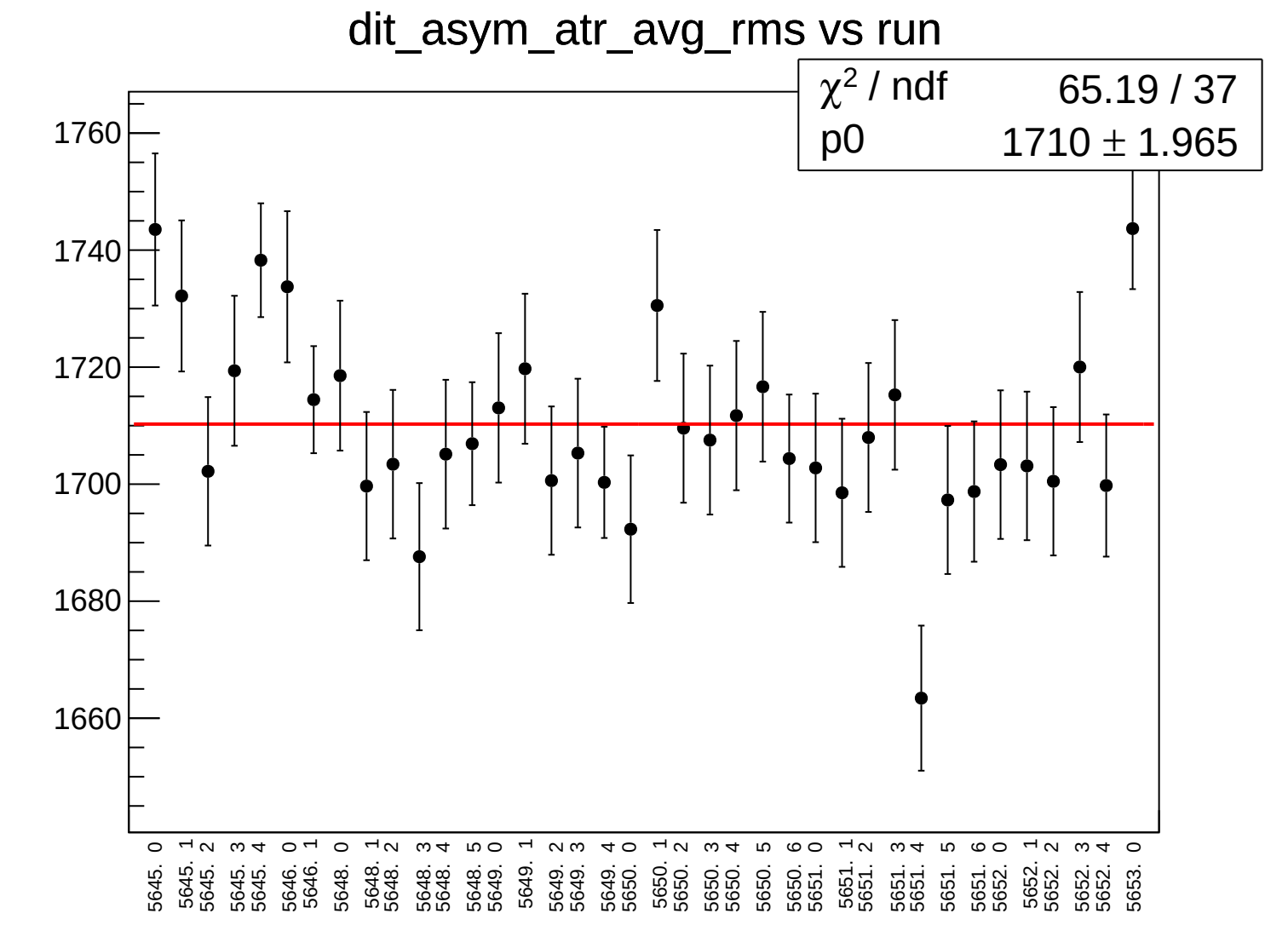

asym_atl_dd_mean vs run
×10^3
χ² / ndf 49.77 / 36
p0 −5015 ± 6861
700
600
500
400
300
200
100
0
−100
−200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean −74.99
Std Dev 90.31
3
2
1
0
−1
−2

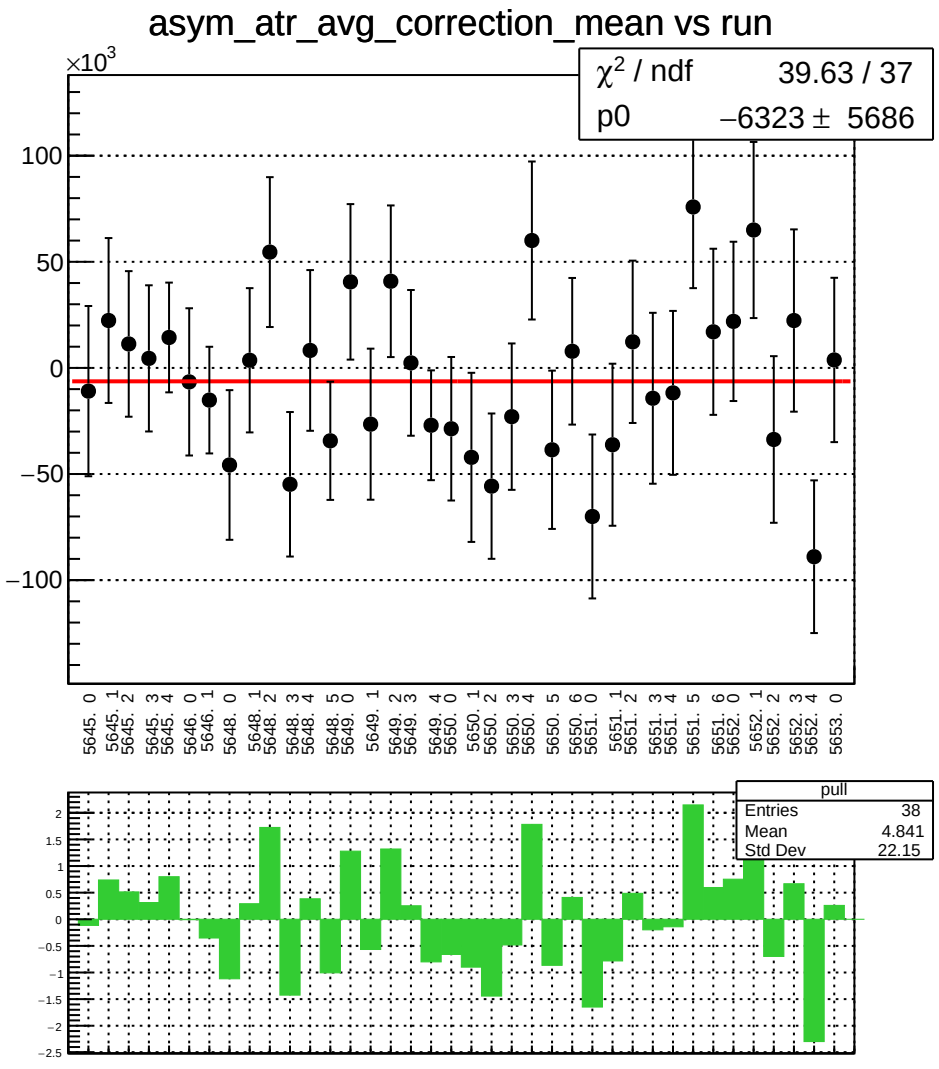

pull1D
Entries 37
Mean 0.03364
Std Dev 1.159
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

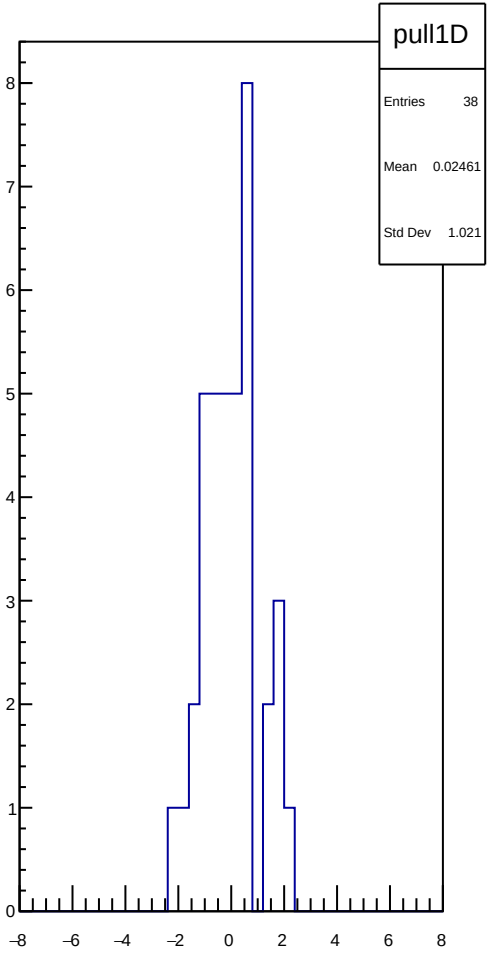

asym_atl_dd_rms vs run
χ^2 / ndf 3.39e+04 / 37
p0 4127 ± 4.851
70000
60000
50000
40000
30000
20000
10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

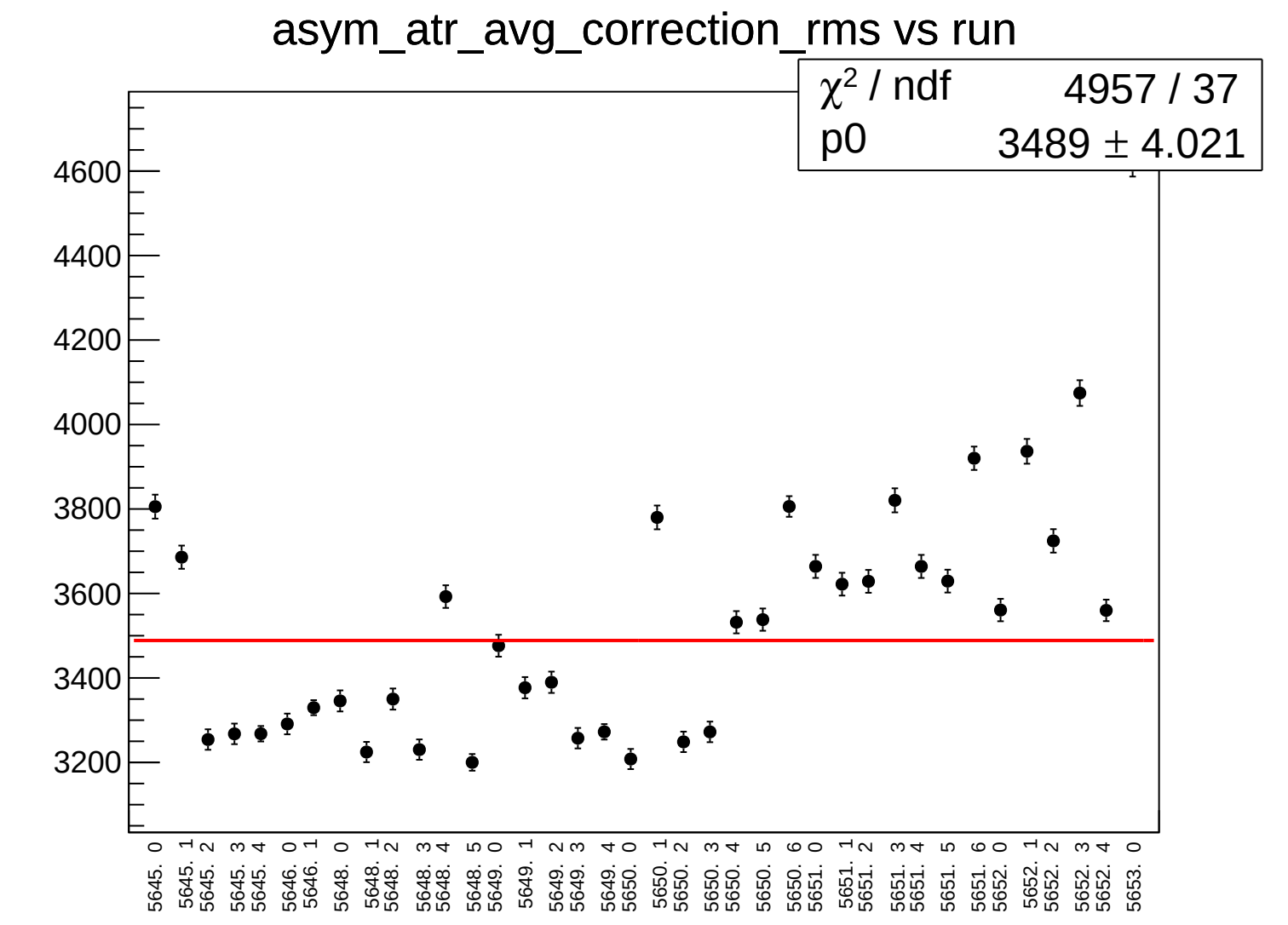

dit_asym_atr_avg_mean vs run
χ² / ndf 68.89 / 37
p0 1072 ± 2779
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 165.6
Std Dev 131.8
3
2
1
0
−1
−2
−3

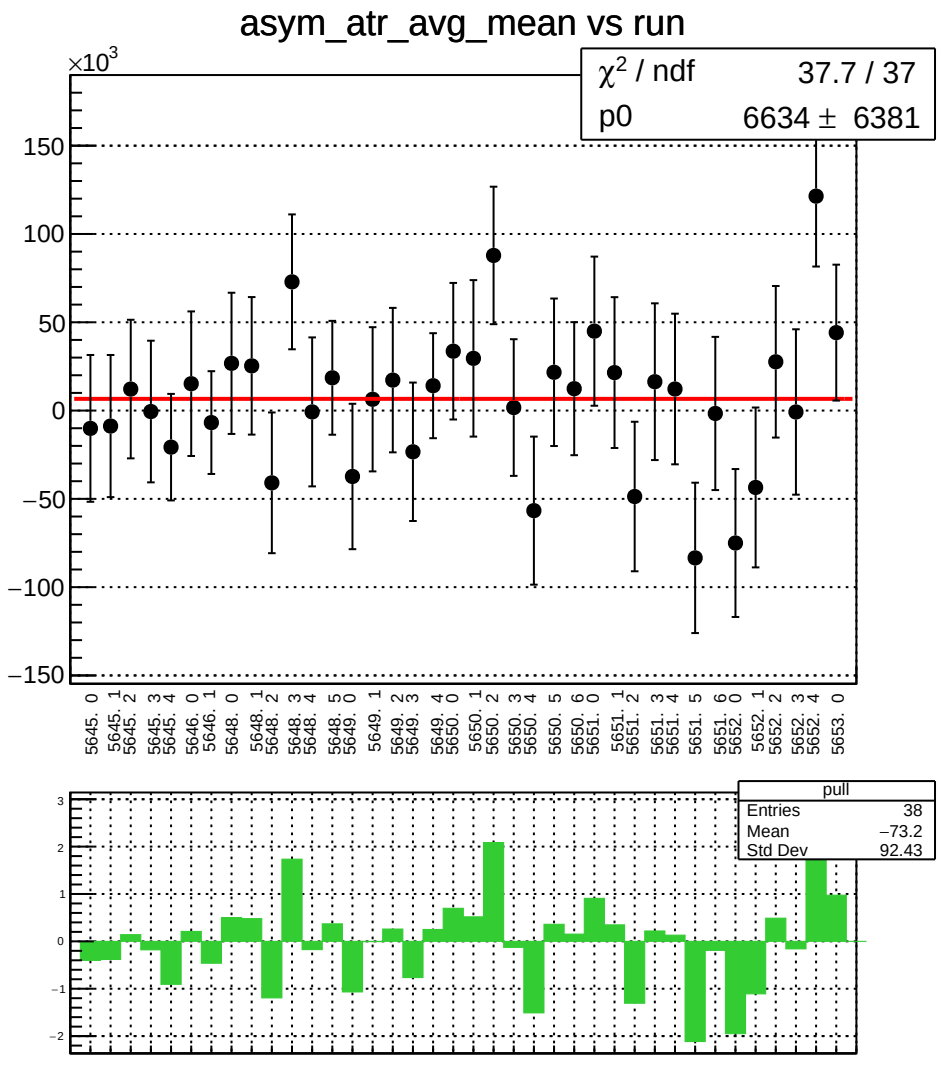

pull1D
Entries 38
Mean 0.008735
Std Dev 1.346
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

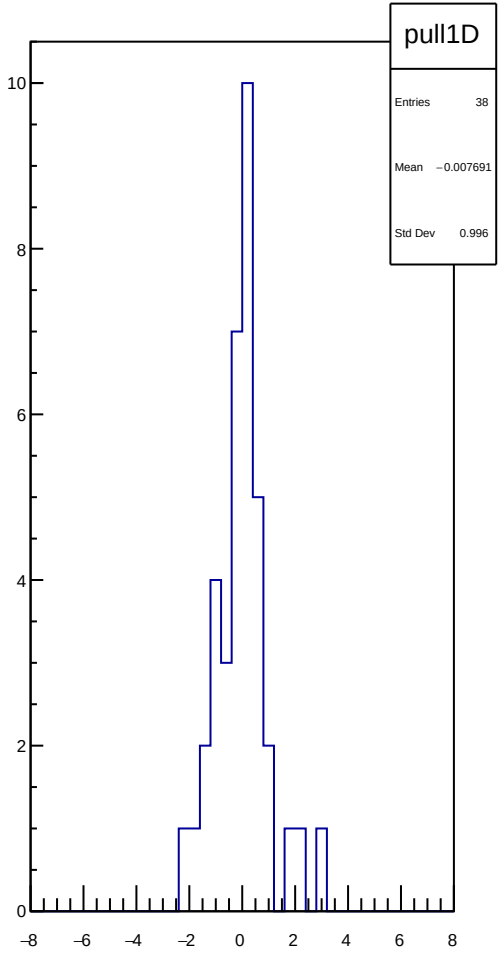

dit_asym_atr_avg_rms vs run
χ² / ndf 65.19 / 37
p0 1710 ± 1.965
1760
1740
1720
1700
1680
1660
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

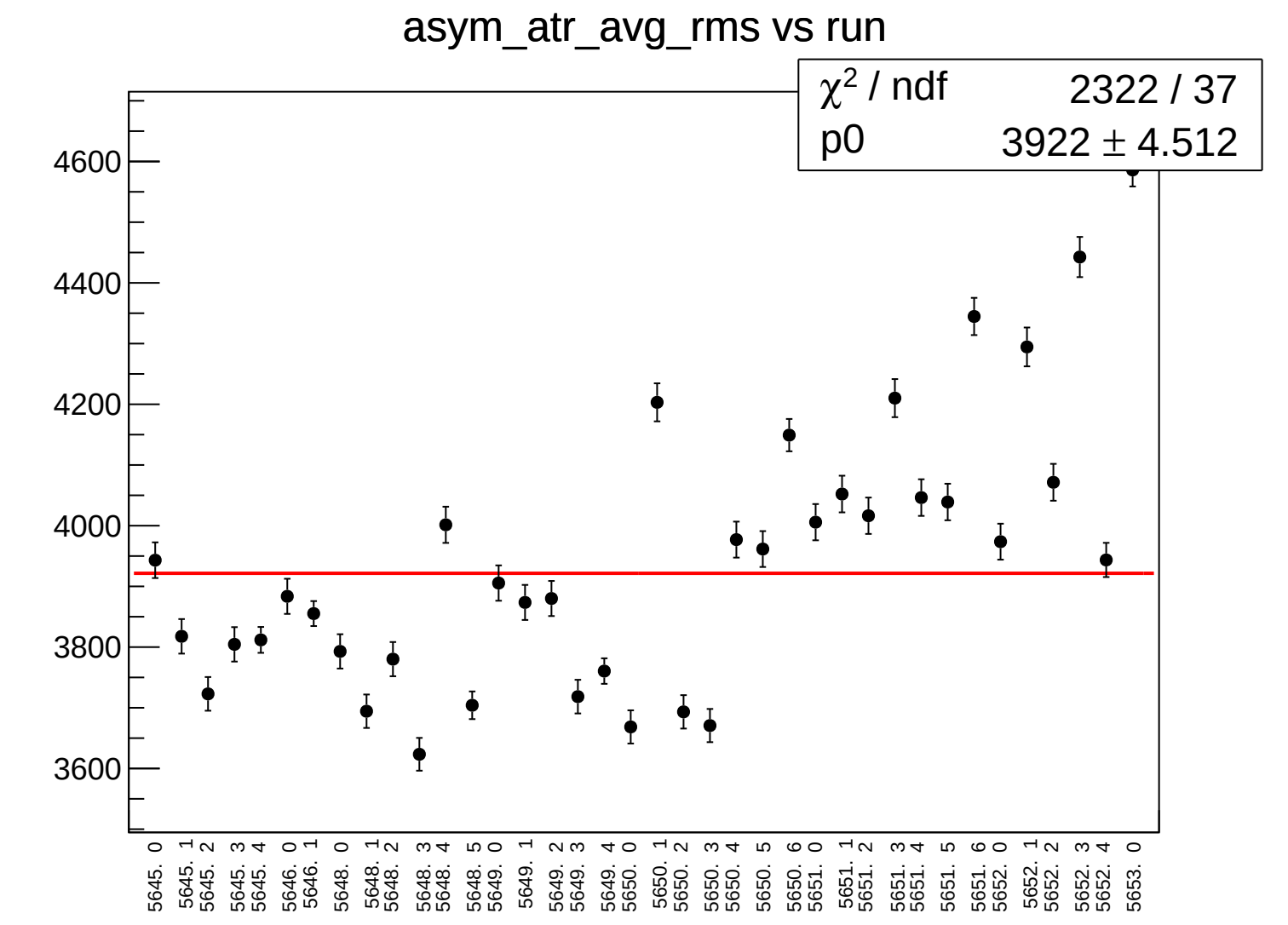

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 39.63 / 37
p0 −6323 ± 5686
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 4.841
Std Dev 22.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

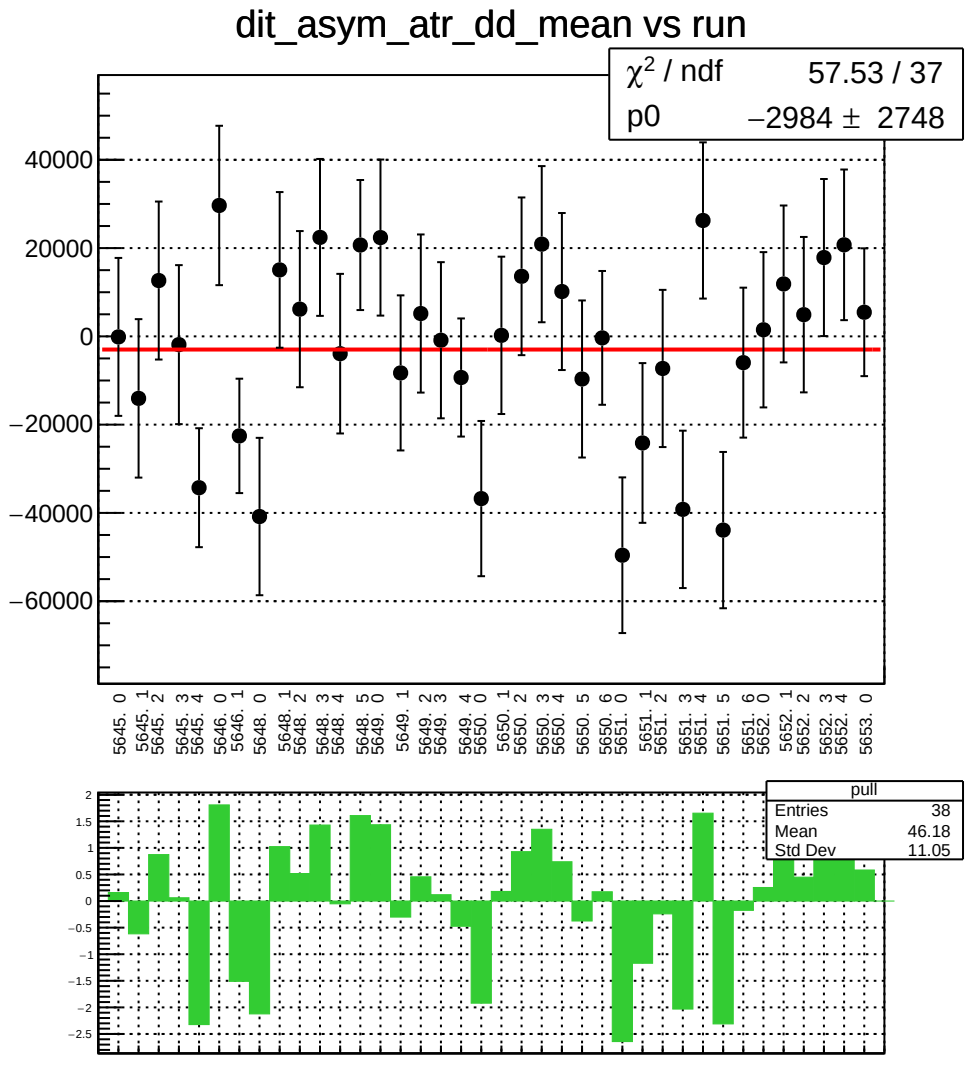

pull1D
Entries 38
Mean 0.02461
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

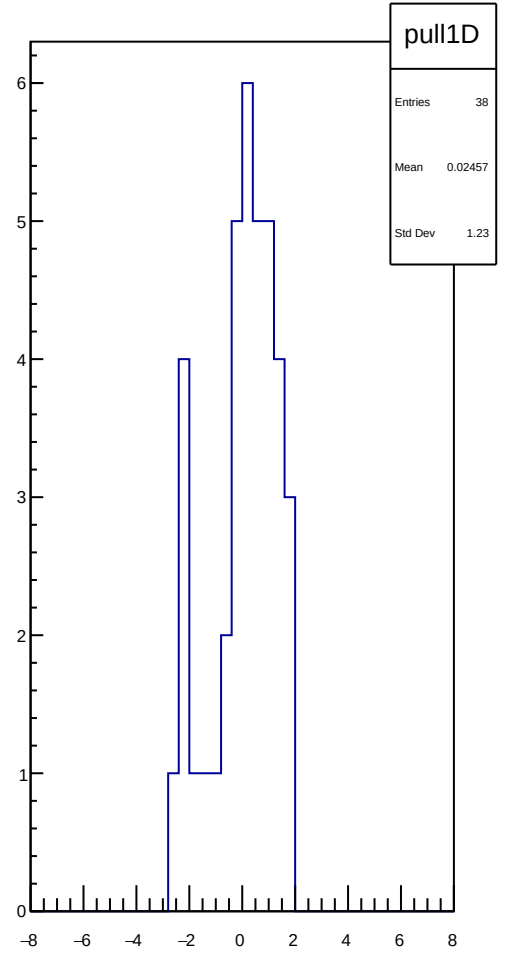

asym_atr_avg_correction_rms vs run
χ² / ndf 4957 / 37
p0 3489 ± 4.021
4600
4400
4200
4000
3800
3600
3400
3200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

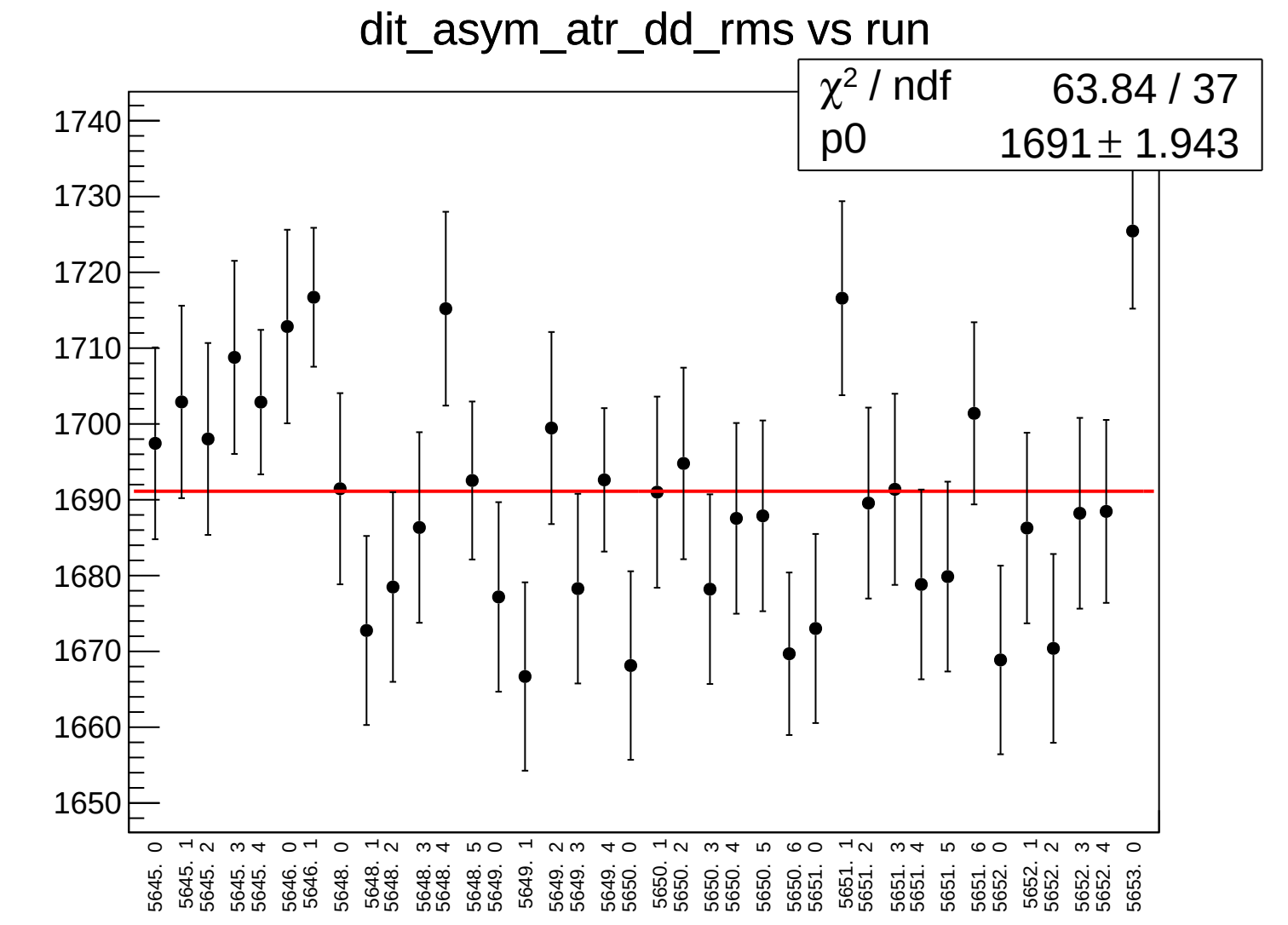

asym_atr_avg_mean vs run
×10^3
χ² / ndf 37.7 / 37
p0 6634 ± 6381
150
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −73.2
Std Dev 92.43
3
2
1
0
−1
−2

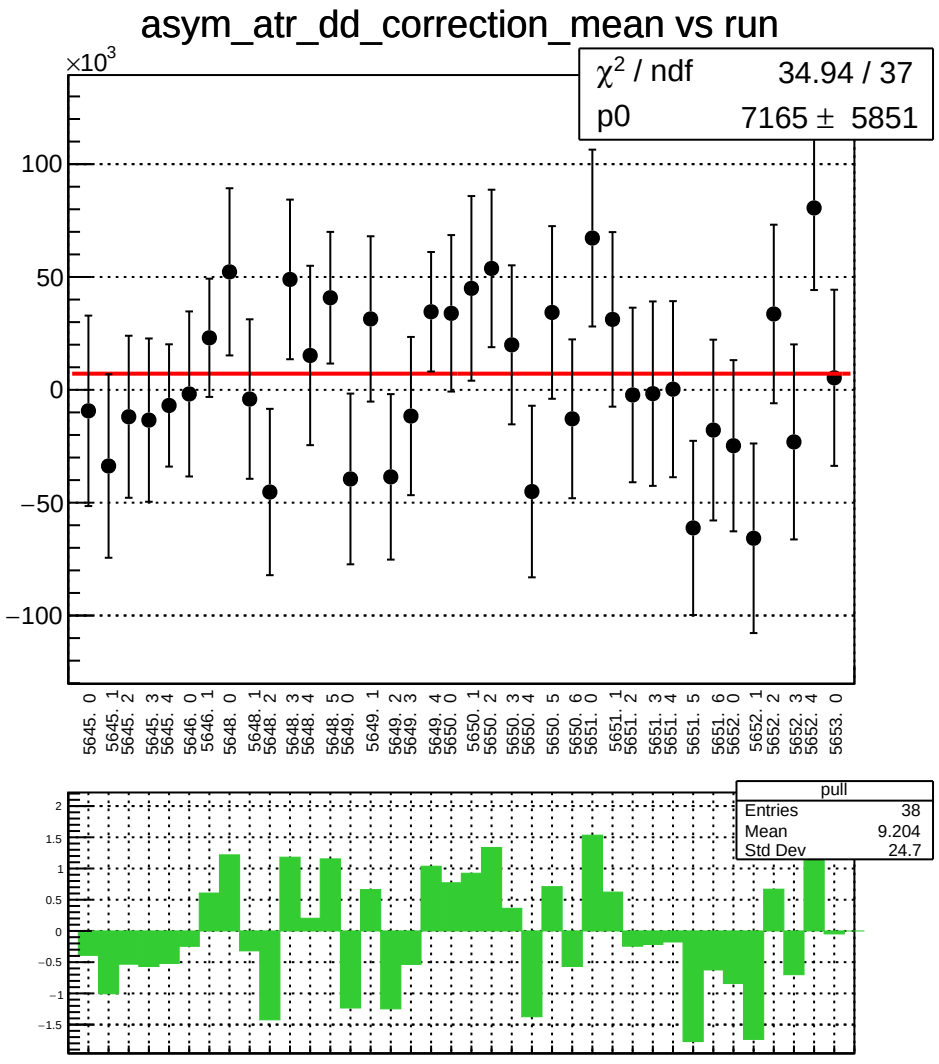

pull1D
Entries 38
Mean −0.007691
Std Dev 0.996
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

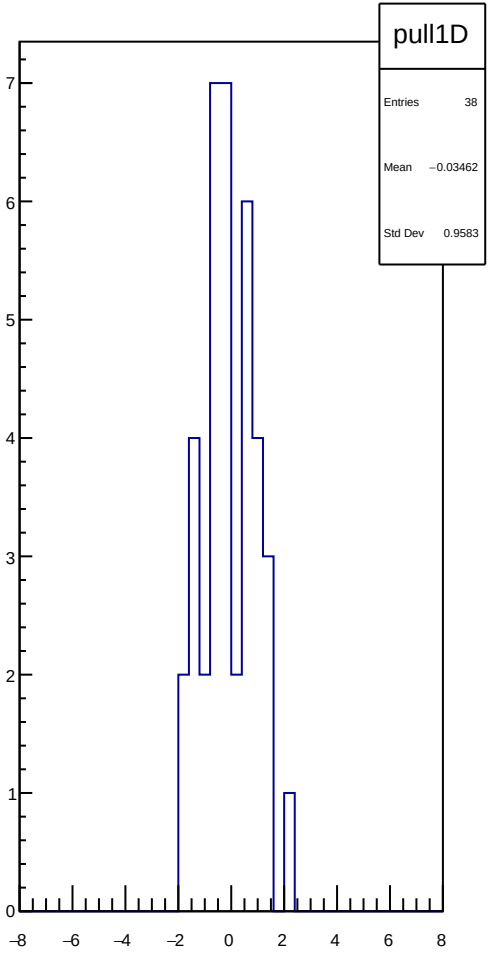

asym_atr_avg_rms vs run
χ² / ndf 2322 / 37
p0 3922 ± 4.512
4600
4400
4200
4000
3800
3600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

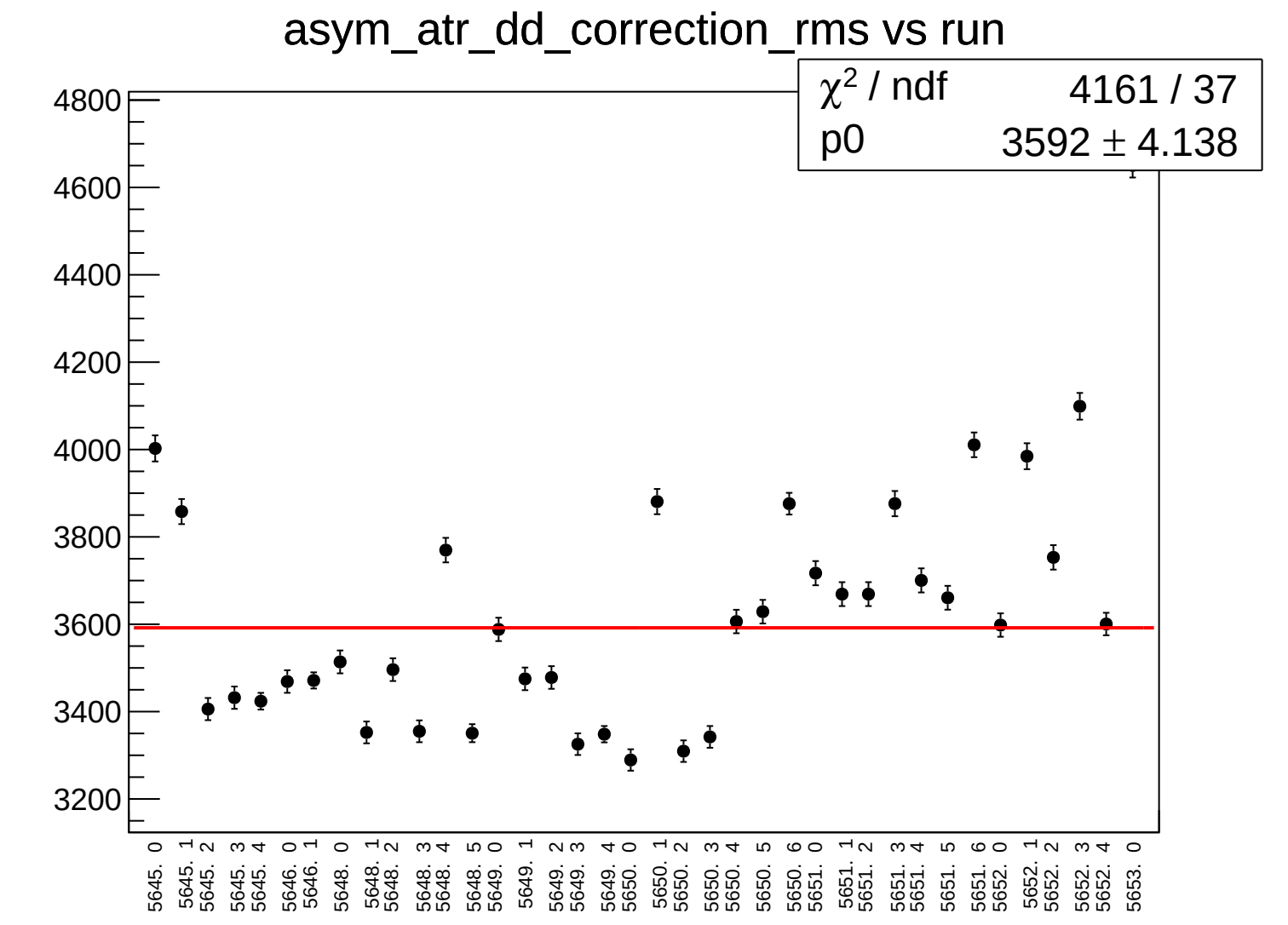

dit_asym_atr_dd_mean vs run
χ² / ndf 57.53 / 37
p0 −2984 ± 2748
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 46.18
Std Dev 11.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

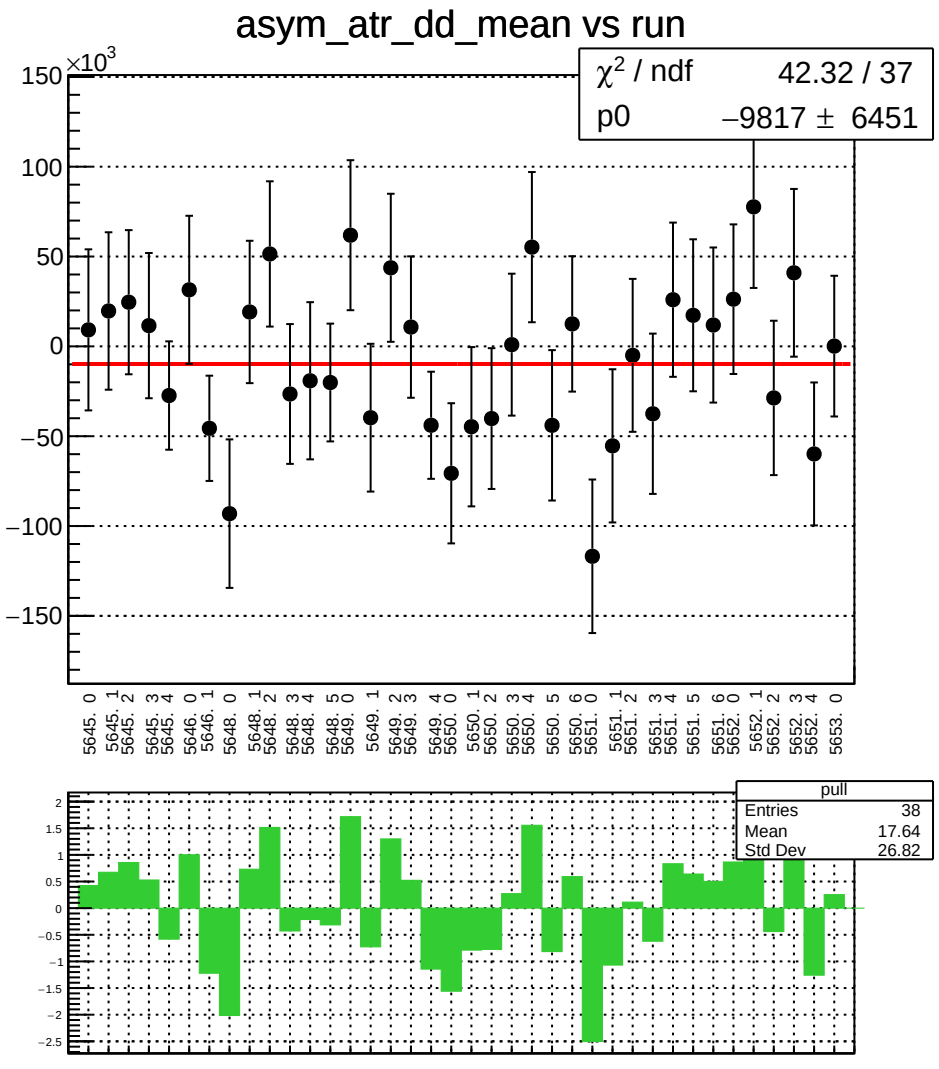

pull1D
Entries 38
Mean 0.02457
Std Dev 1.23
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

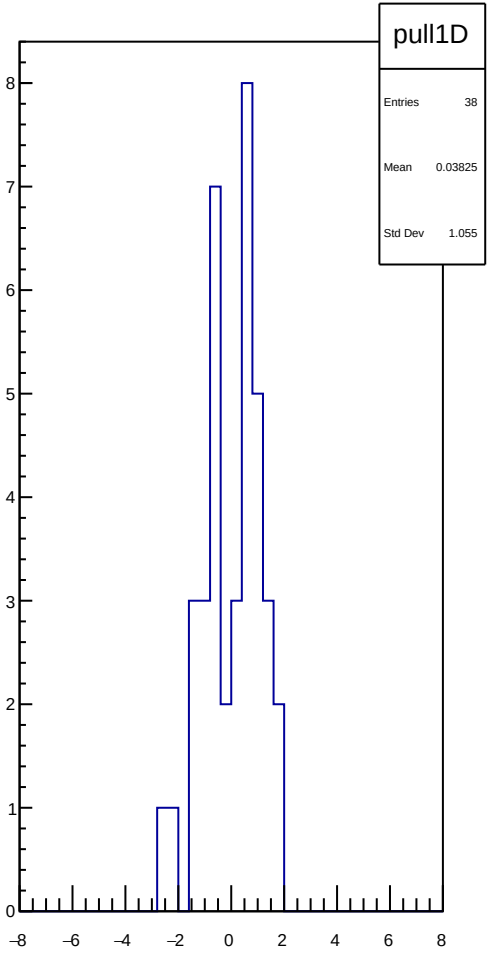

dit_asym_atr_dd_rms vs run
χ² / ndf 63.84 / 37
p0 1691 ± 1.943
1740
1730
1720
1710
1700
1690
1680
1670
1660
1650
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

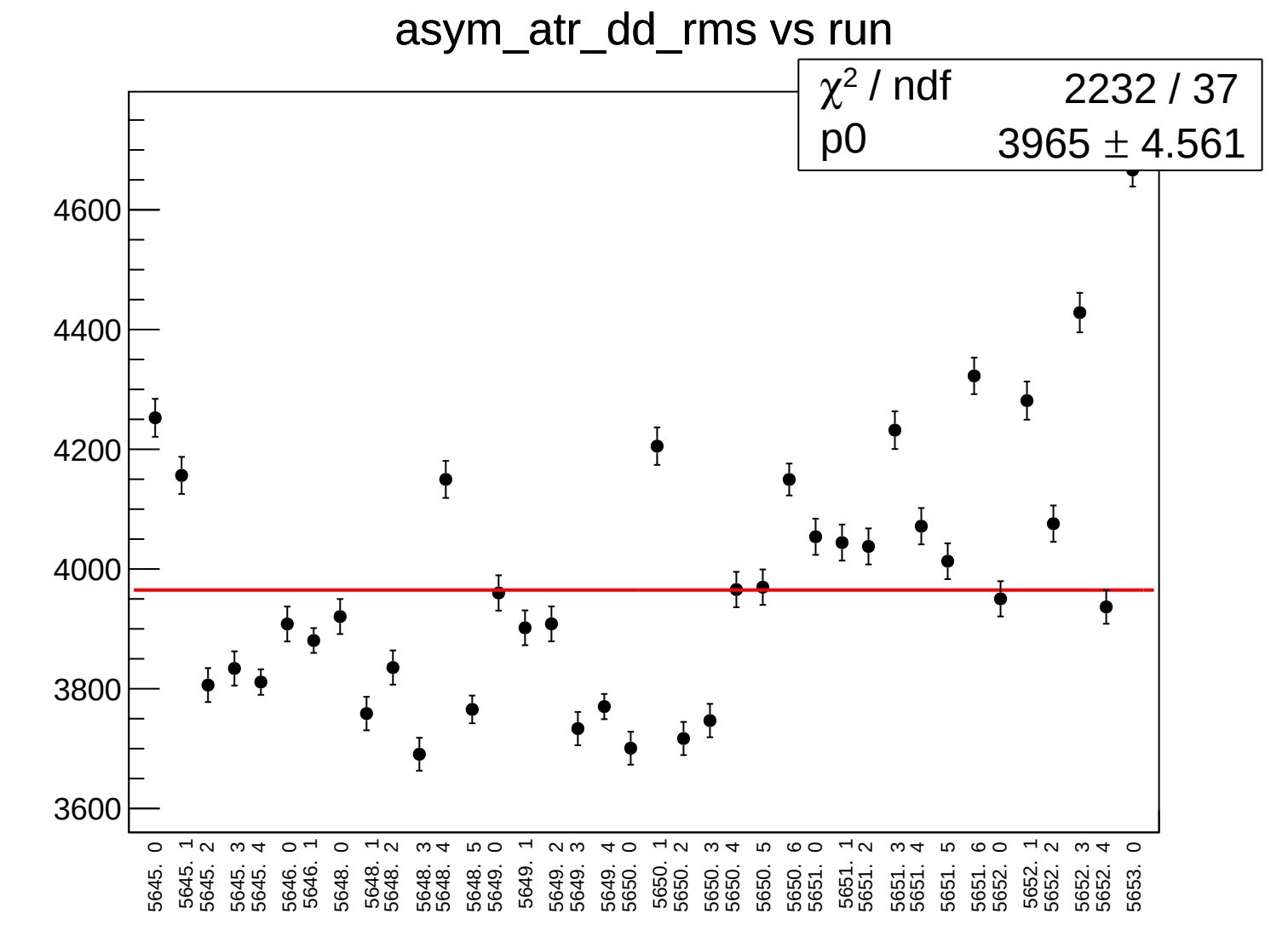

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 34.94 / 37
p0 7165 ± 5851
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 9.204
Std Dev 24.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

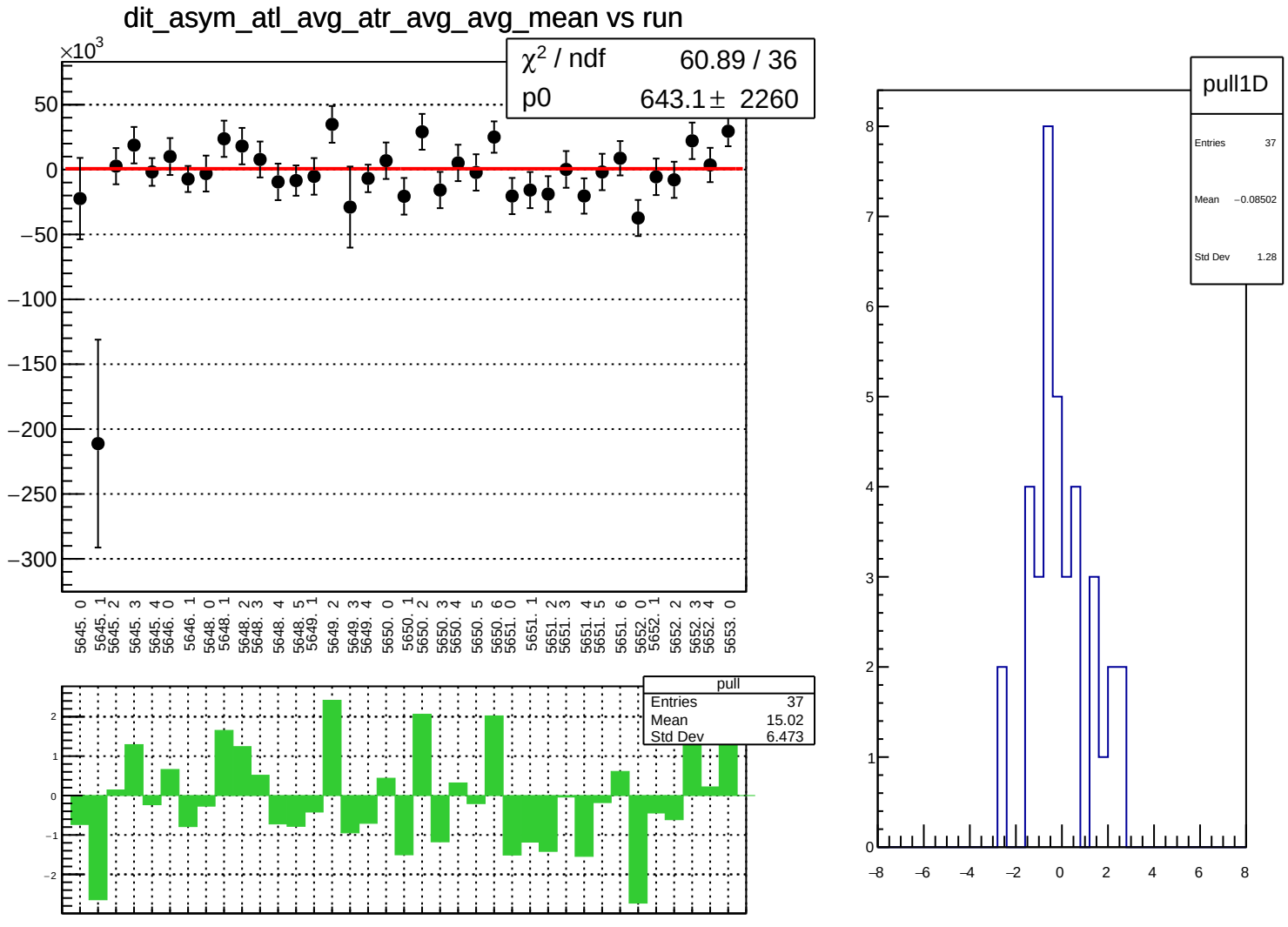

pull1D
Entries 38
Mean −0.03462
Std Dev 0.9583
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

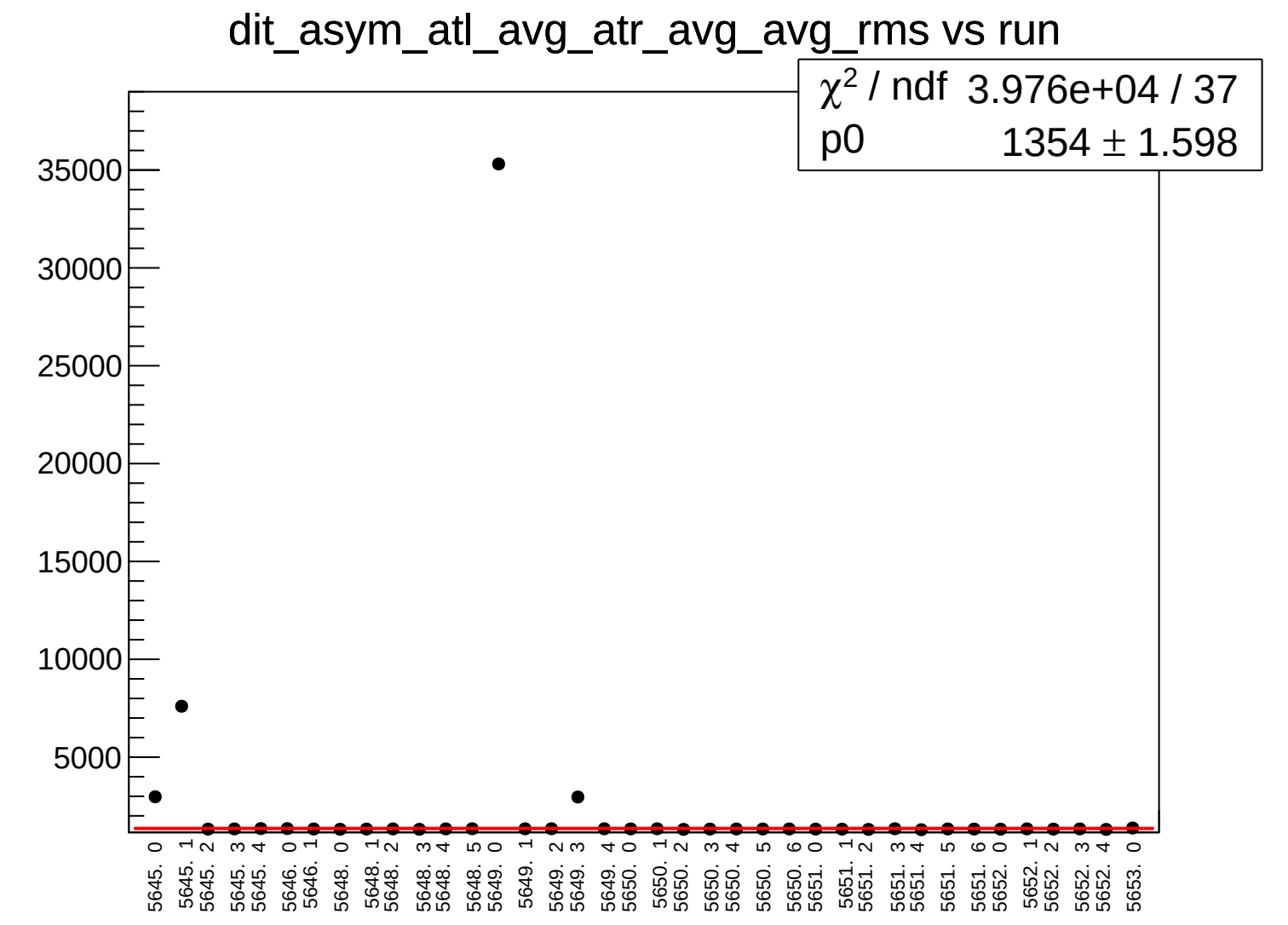

asym_atr_dd_correction_rms vs run
χ² / ndf 4161 / 37
p0 3592 ± 4.138
4800
4600
4400
4200
4000
3800
3600
3400
3200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

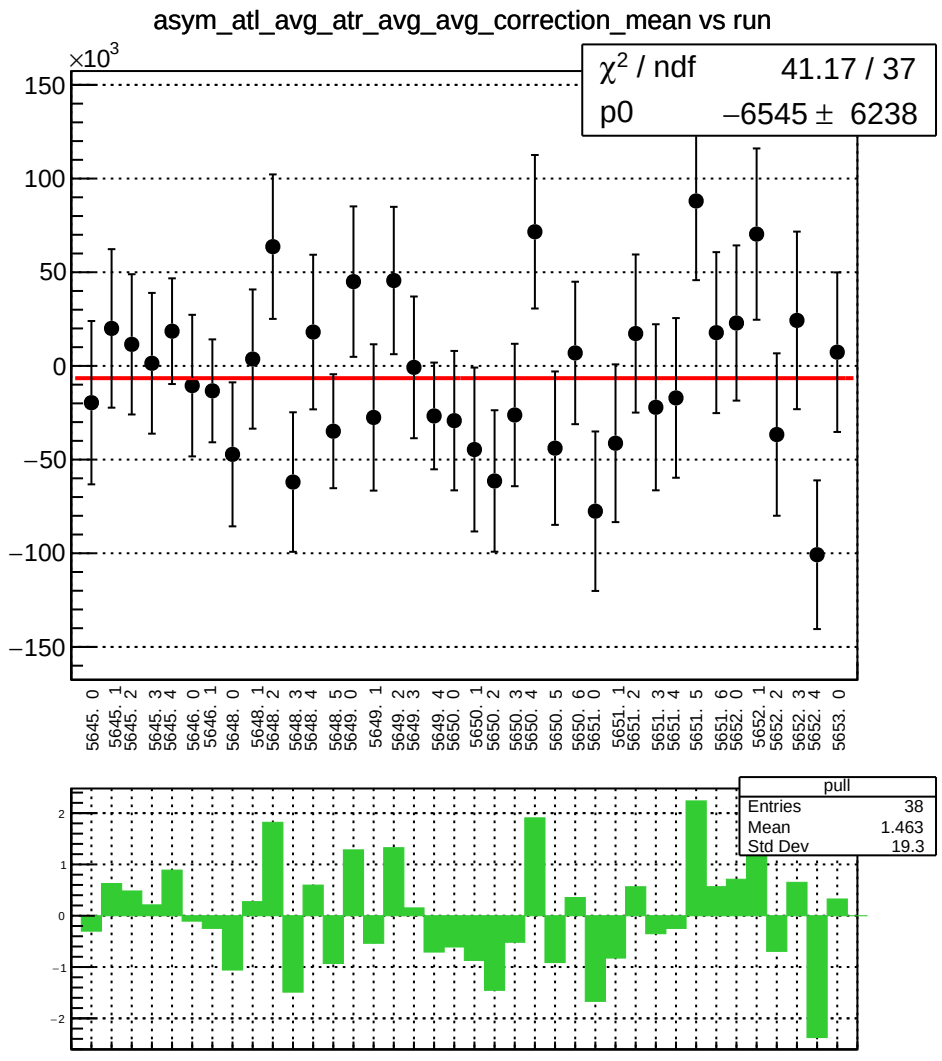

asym_atr_dd_mean vs run
χ² / ndf 42.32 / 37
p0 −9817 ± 6451
×10³
150
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 17.64
Std Dev 26.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

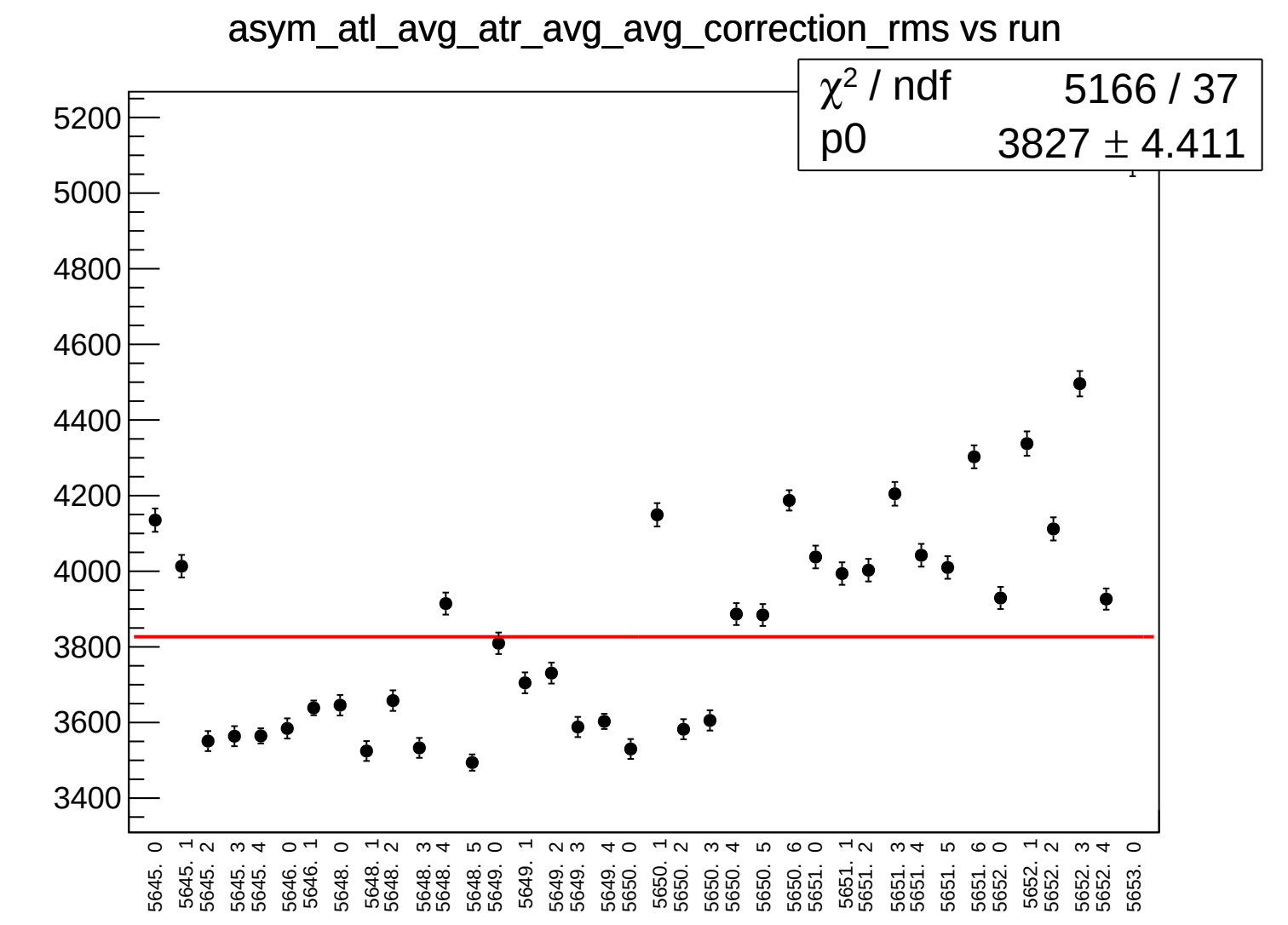

pull1D
Entries 38
Mean 0.03825
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

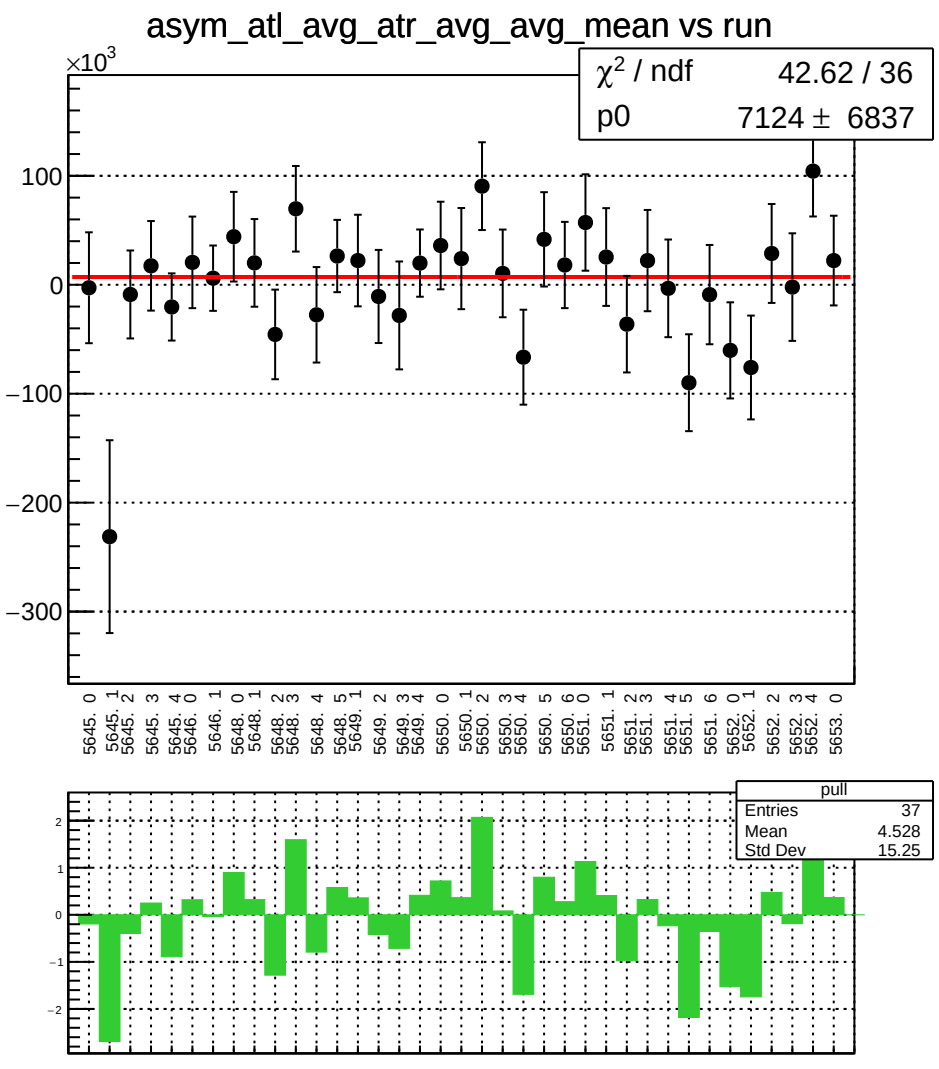

asym_atr_dd_rms vs run
χ² / ndf 2232 / 37
p0 3965 ± 4.561
4600
4400
4200
4000
3800
3600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

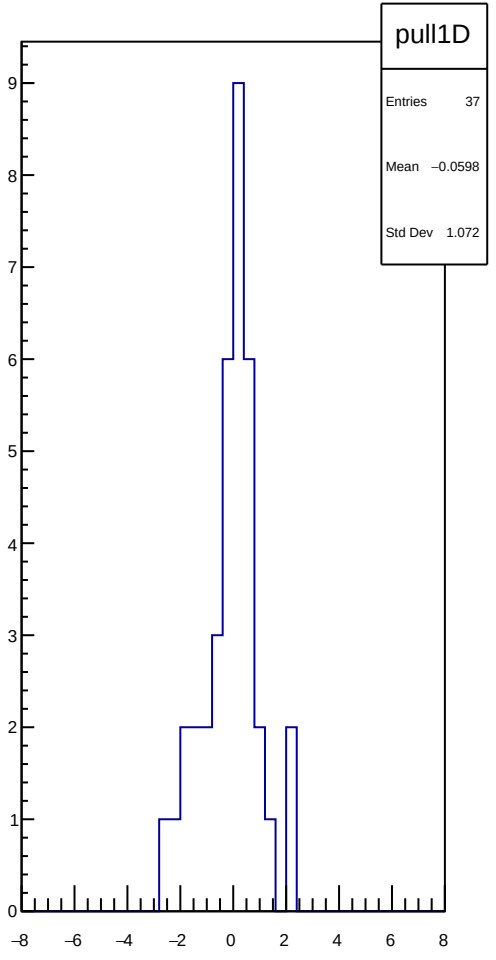

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 60.89 / 36
p0 643.1 ± 2260
50
0
−50
−100
−150
−200
−250
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean 15.02
Std Dev 6.473
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.08502
Std Dev 1.28
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

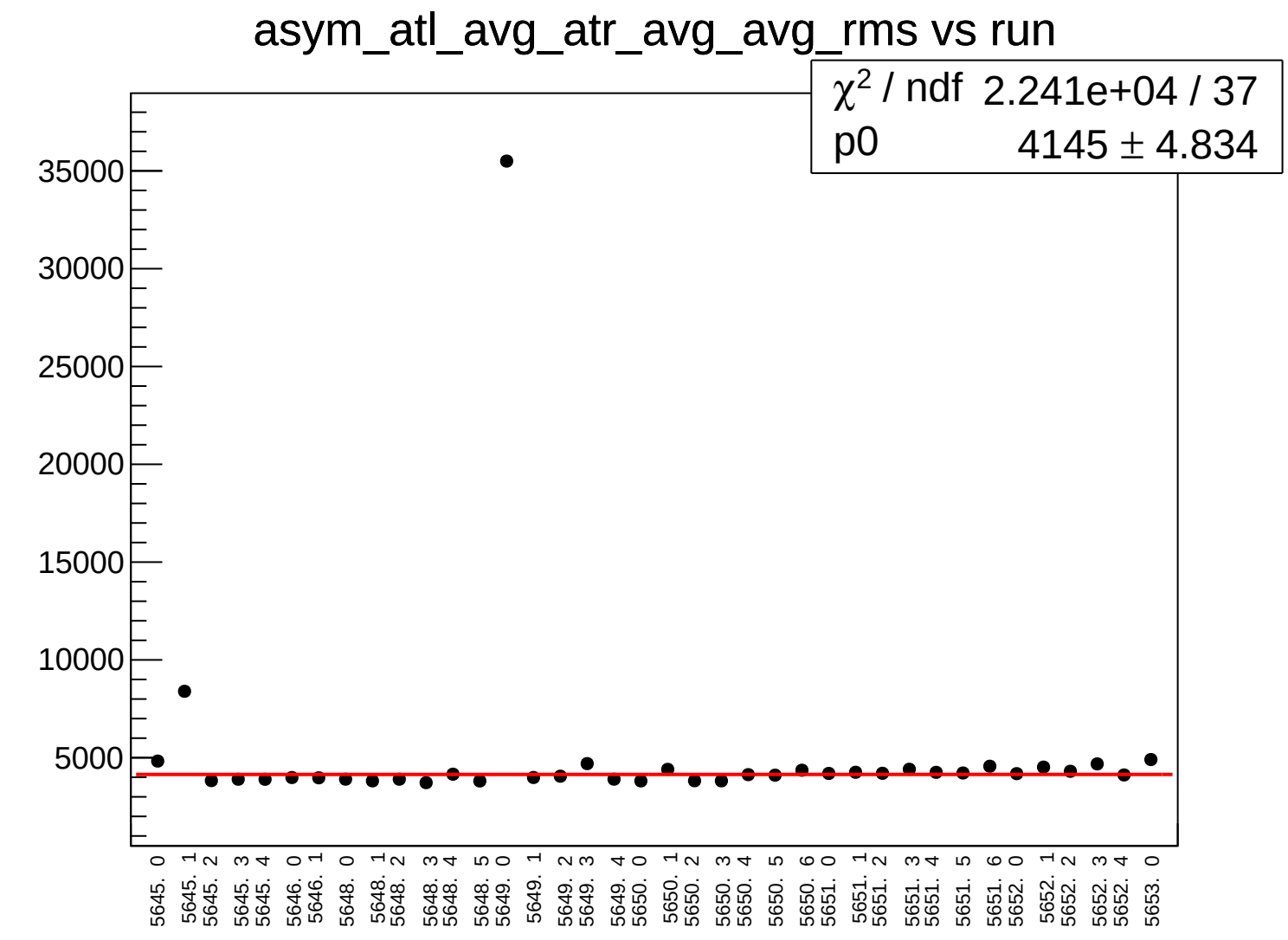

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3.976e+04 / 37
p0 1354 ± 1.598
35000
30000
25000
20000
15000
10000
5000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

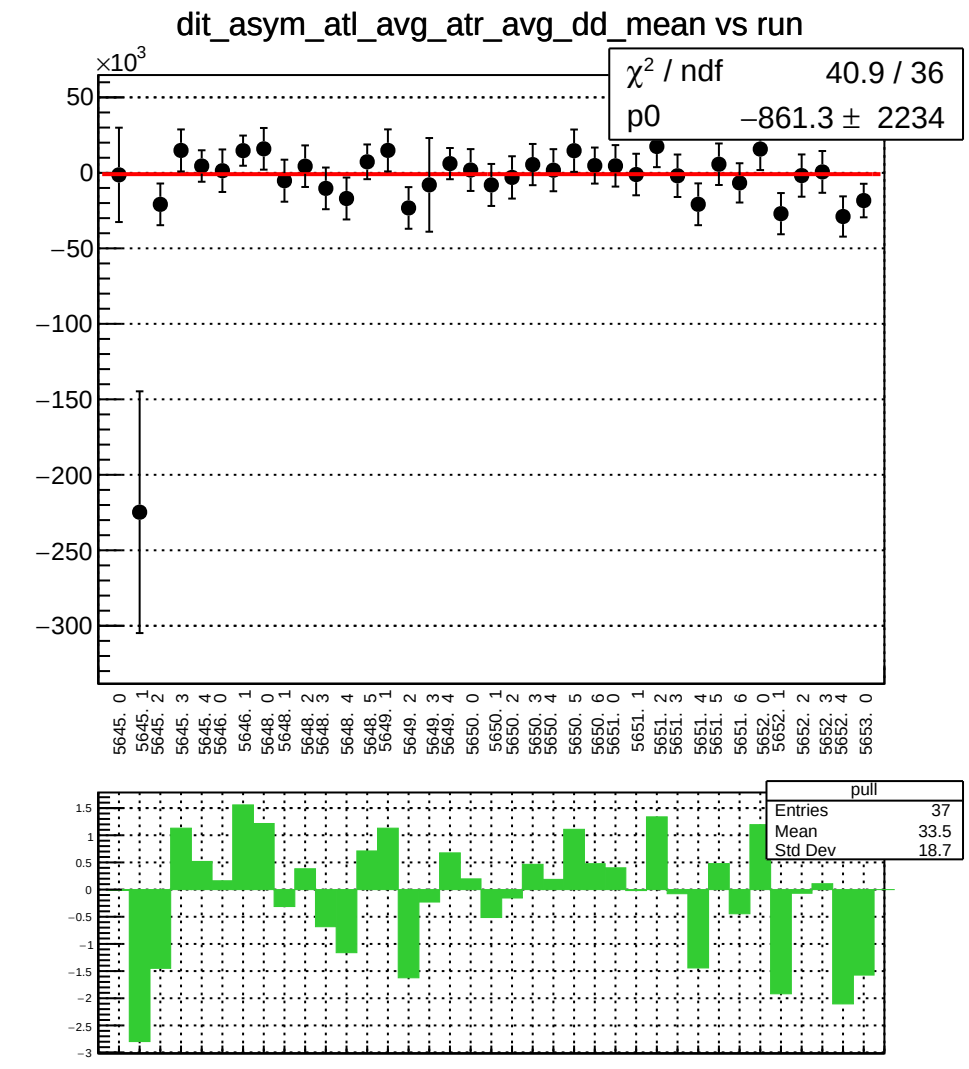

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 41.17 / 37
p0 −6545 ± 6238
150
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 1.463
Std Dev 19.3
2
1
0
−1
−2
pull1D
Entries 38
Mean 0.02019
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

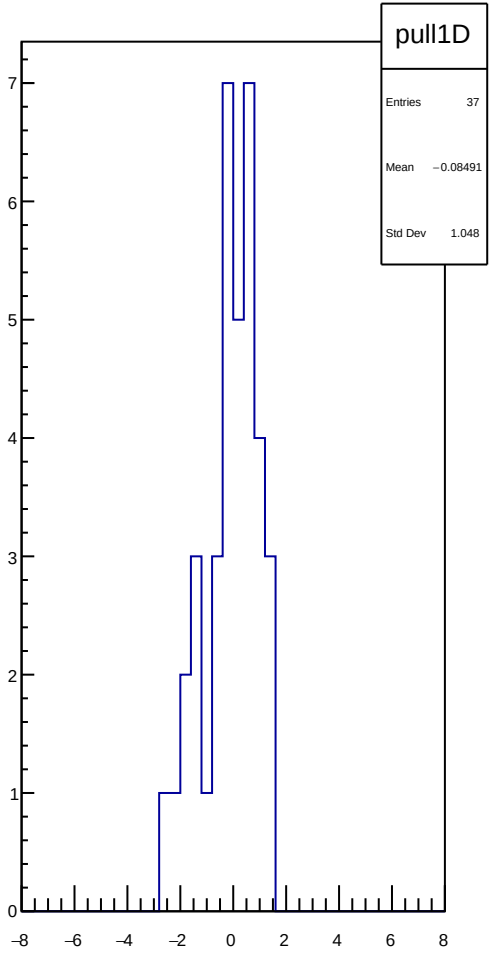

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5166 / 37
p0 3827 ± 4.411
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

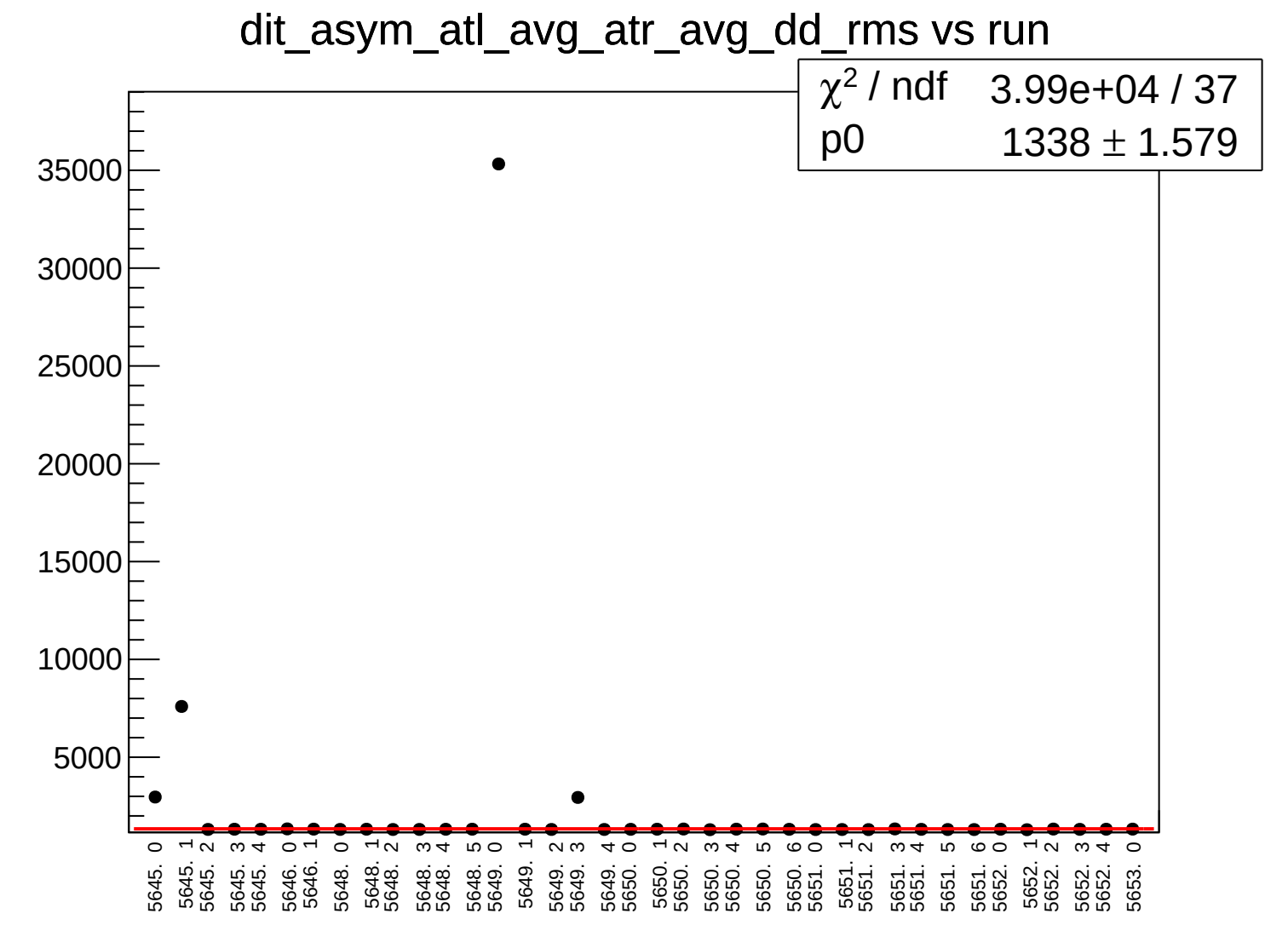

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 42.62 / 36
p0 7124 ± 6837
×10³
100
0
−100
−200
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean 4.528
Std Dev 15.25
2
1
0
−1
−2

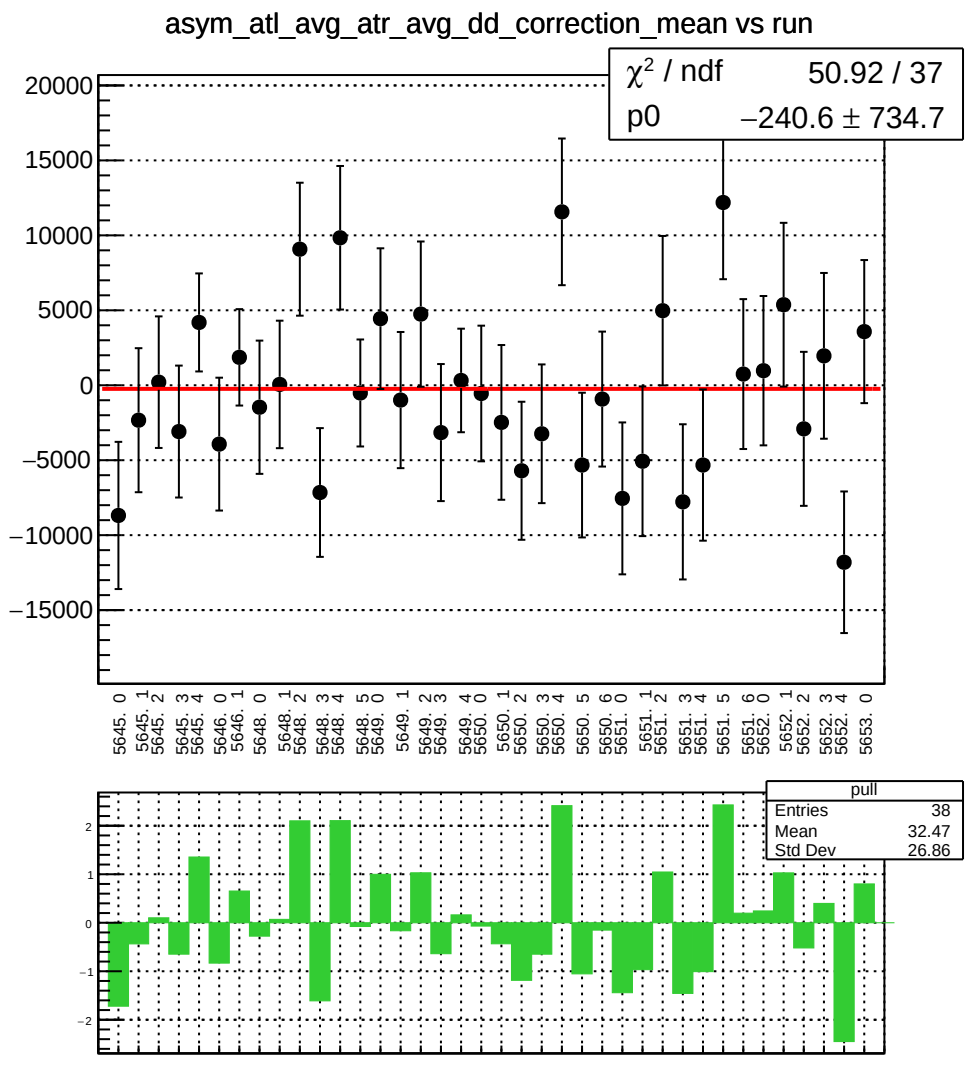

pull1D
Entries 37
Mean −0.0598
Std Dev 1.072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

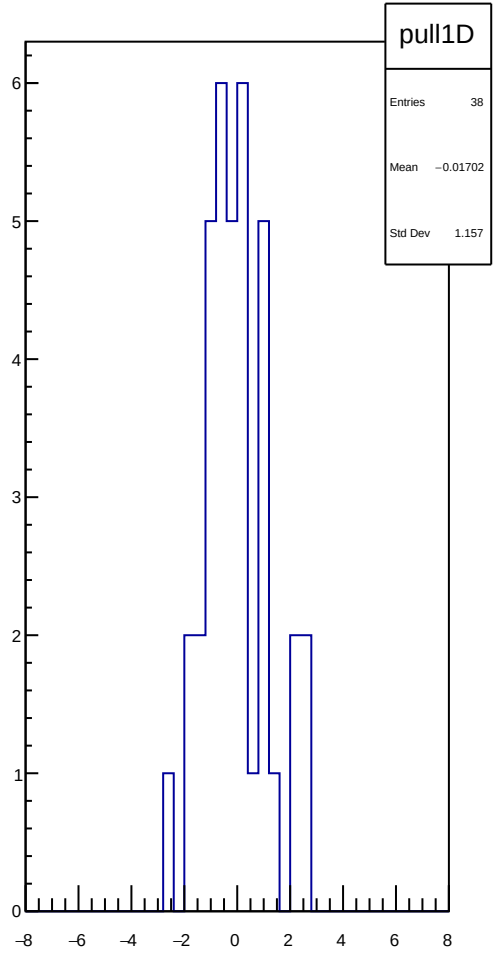

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.241e+04 / 37
p0 4145 ± 4.834
35000
30000
25000
20000
15000
10000
5000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

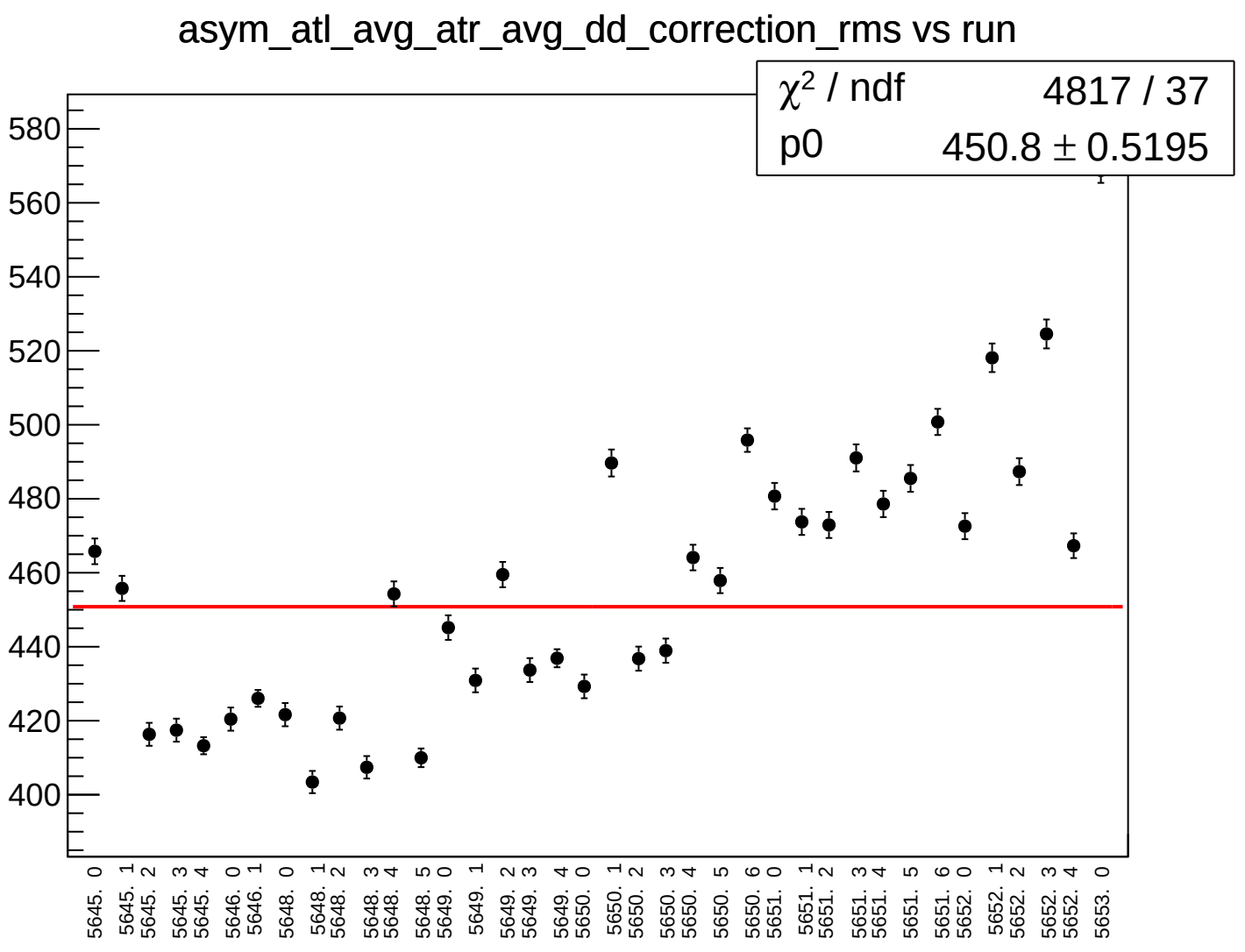

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.9 / 36
p0 −861.3 ± 2234
×10³
50
0
−50
−100
−150
−200
−250
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean 33.5
Std Dev 18.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

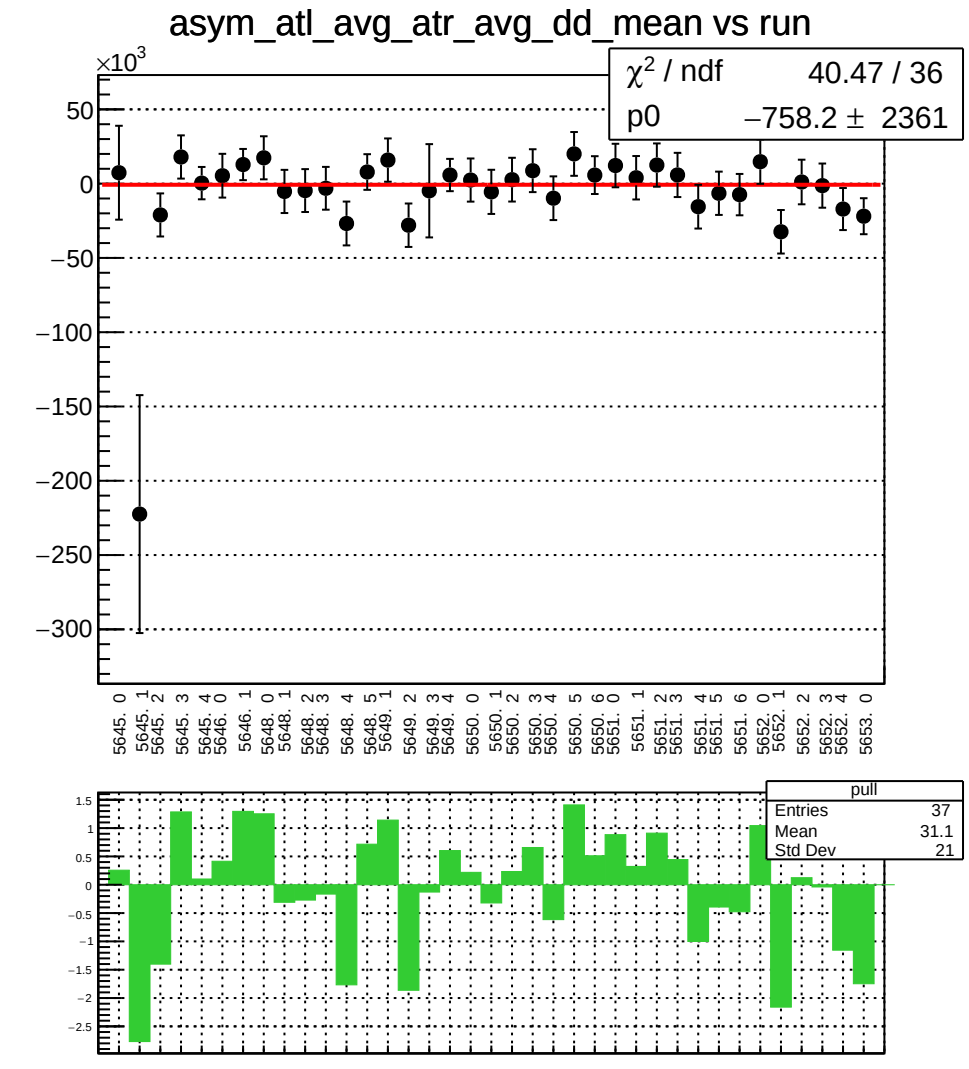

pull1D
Entries 37
Mean −0.08491
Std Dev 1.048
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

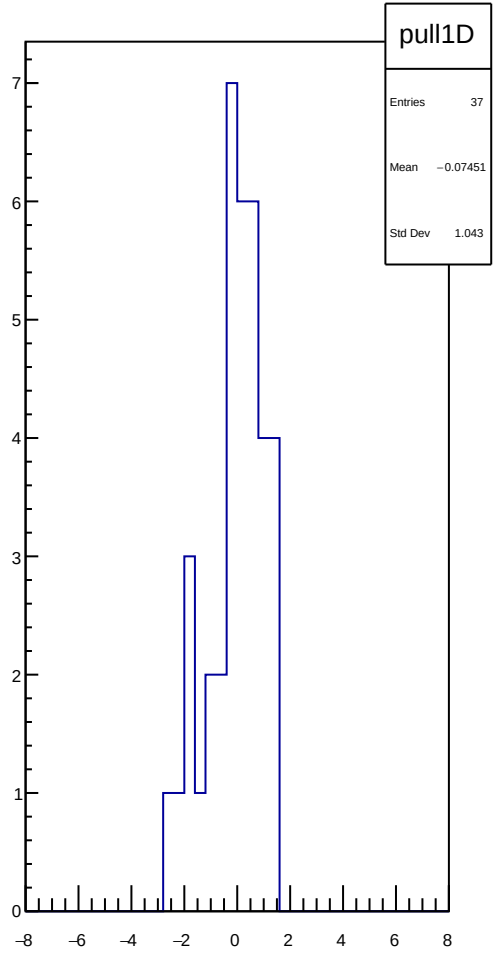

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3.99e+04 / 37
p0 1338 ± 1.579
35000
30000
25000
20000
15000
10000
5000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

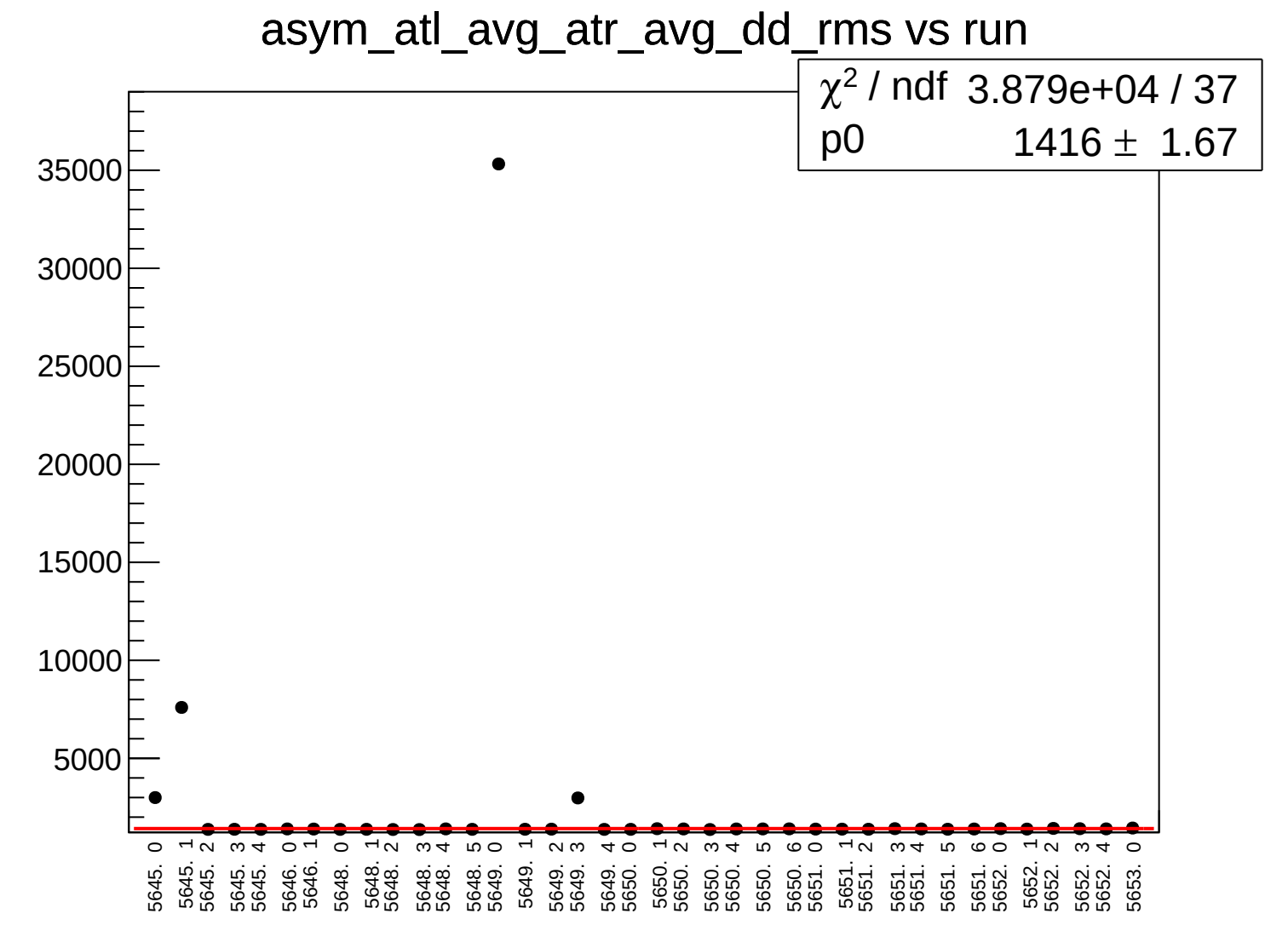

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 50.92 / 37
p0 −240.6 ± 734.7
20000
15000
10000
5000
0
−5000
−10000
−15000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 32.47
Std Dev 26.86
2
1
0
−1
−2

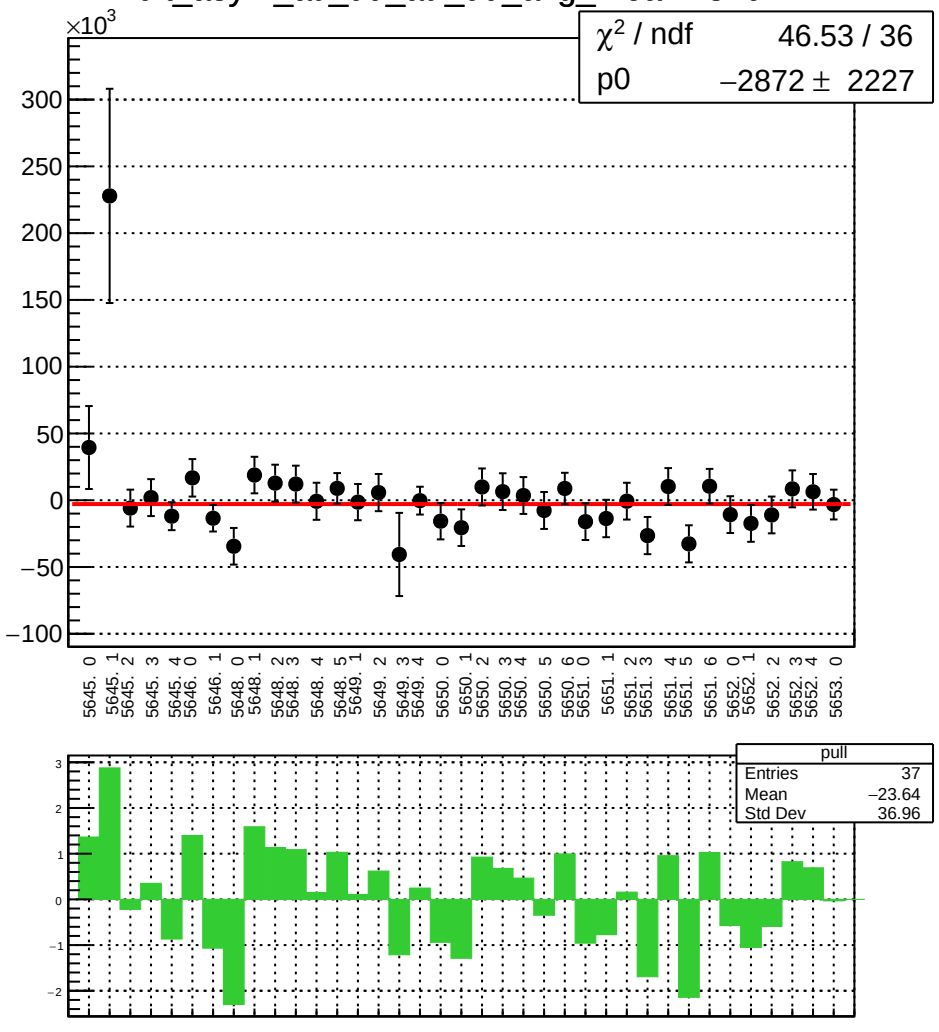

pull1D
Entries 38
Mean −0.01702
Std Dev 1.157
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

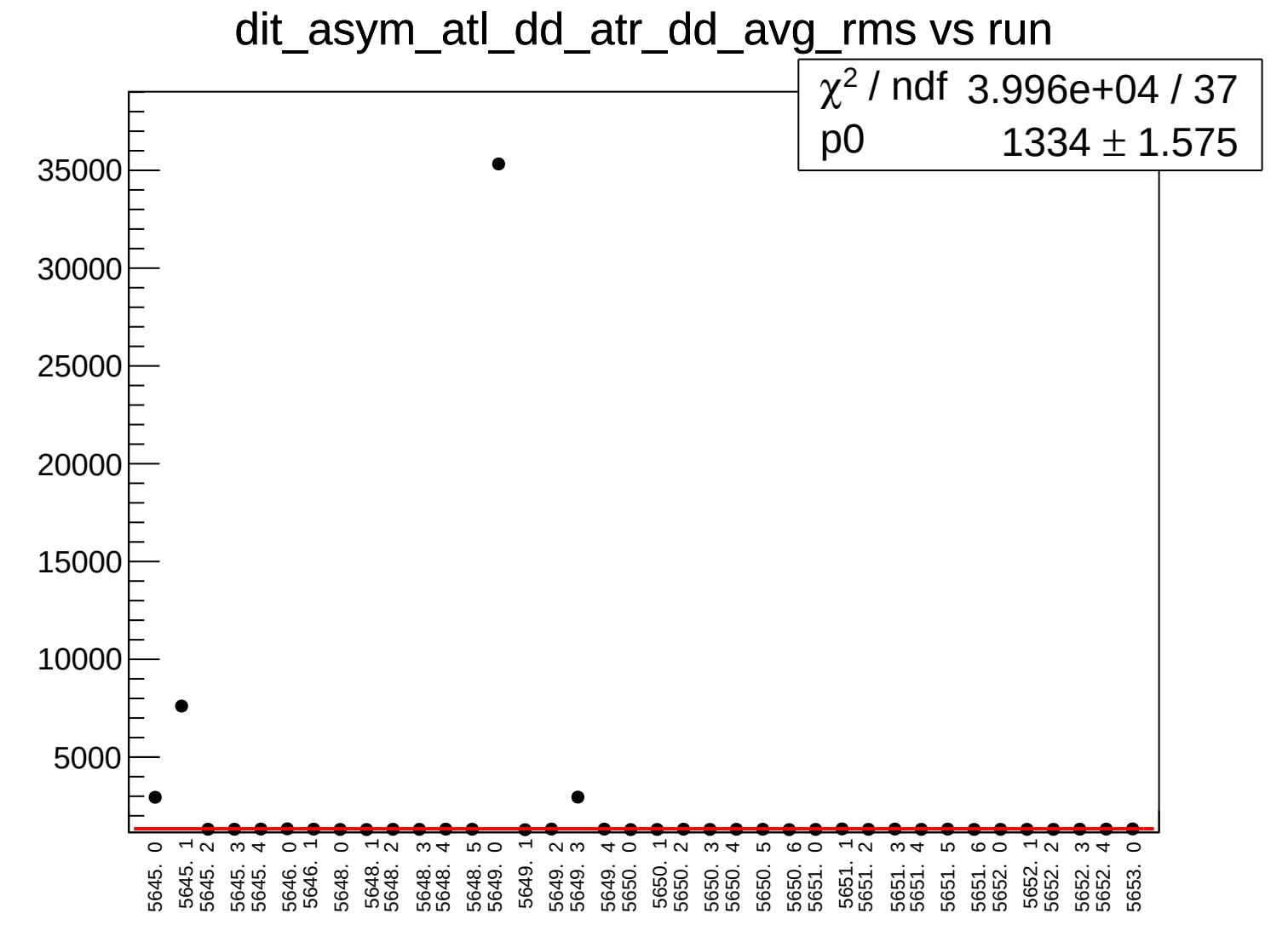

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4817 / 37
p0 450.8 ± 0.5195
580
560
540
520
500
480
460
440
420
400
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

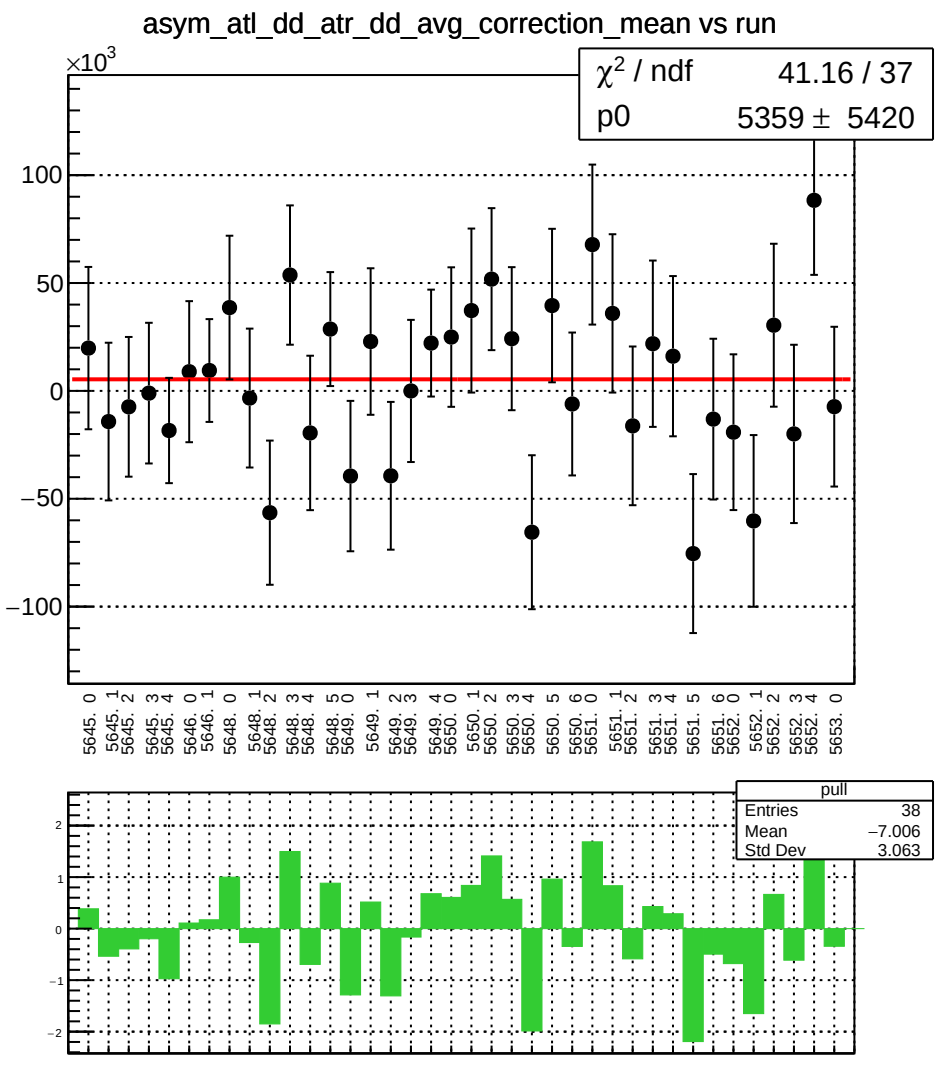

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.47 / 36
p0 −758.2 ± 2361
×10³
pull
Entries 37
Mean 31.1
Std Dev 21

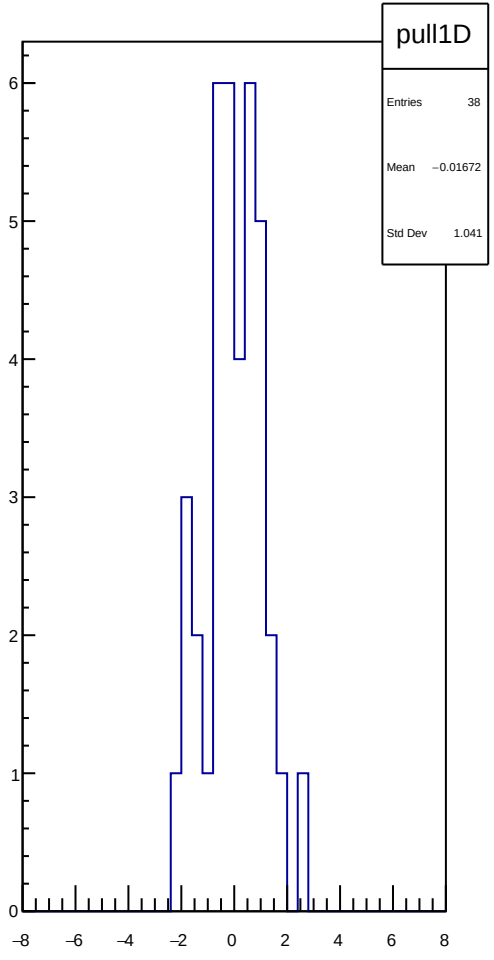

pull1D
Entries 37
Mean −0.07451
Std Dev 1.043

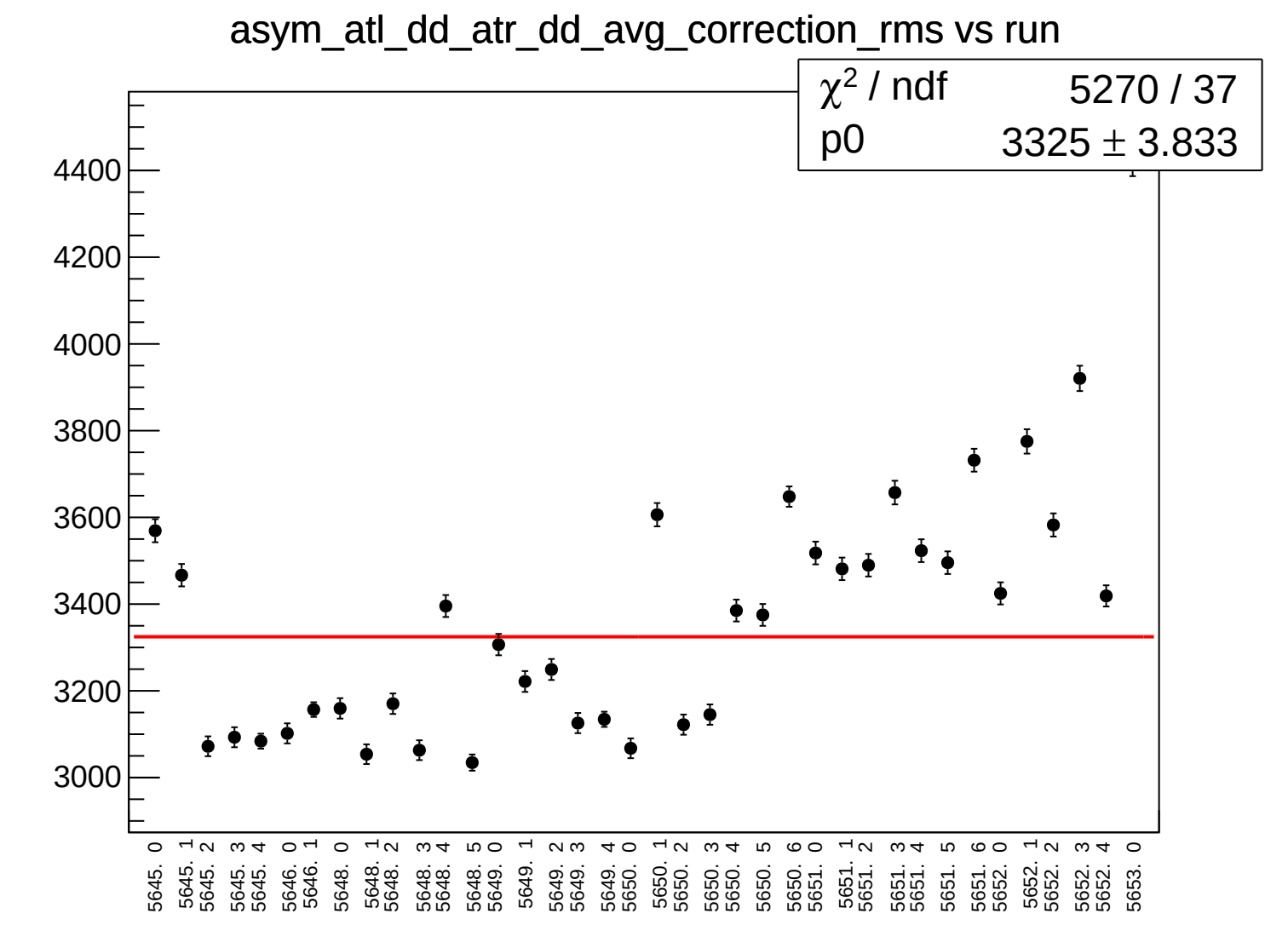

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3.879e+04 / 37
p0 1416 ± 1.67
35000
30000
25000
20000
15000
10000
5000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

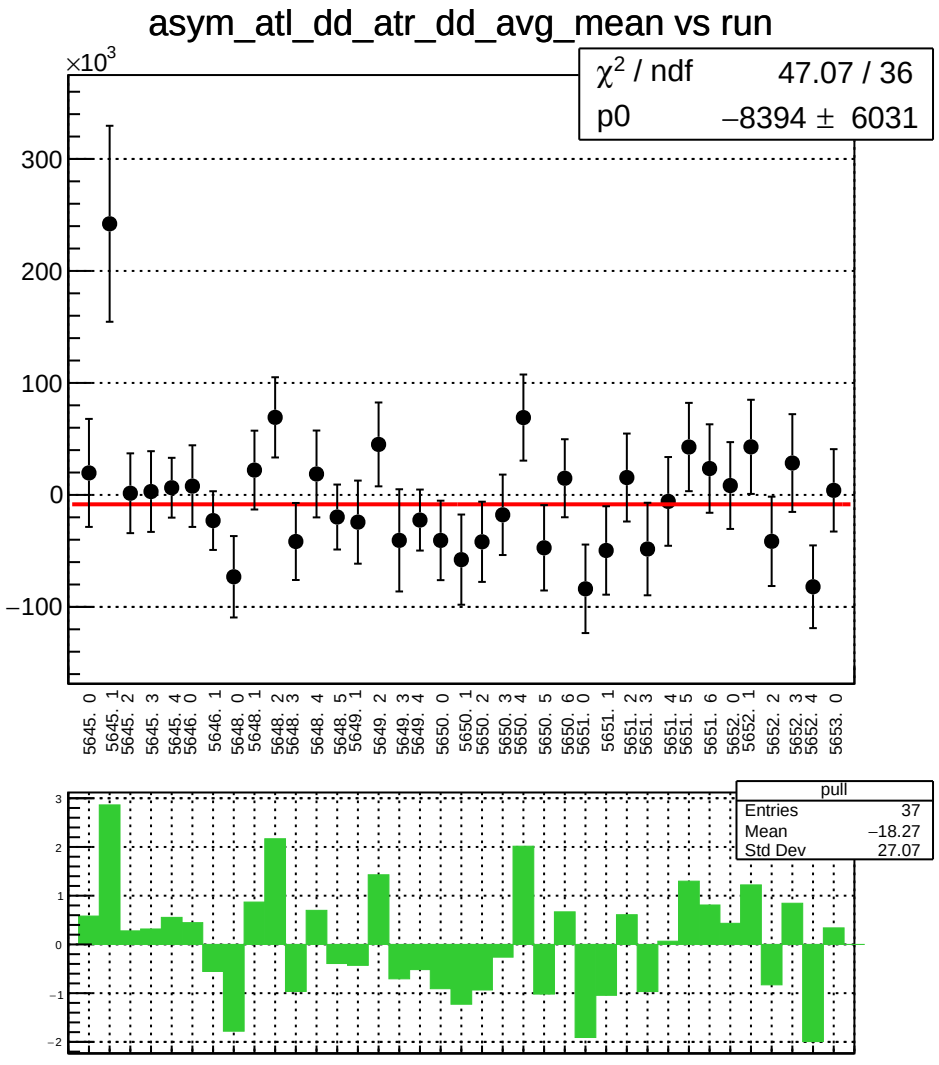

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 46.53 / 36
p0 −2872 ± 2227
300
250
200
150
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean −23.64
Std Dev 36.96
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.07079
Std Dev 1.119
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

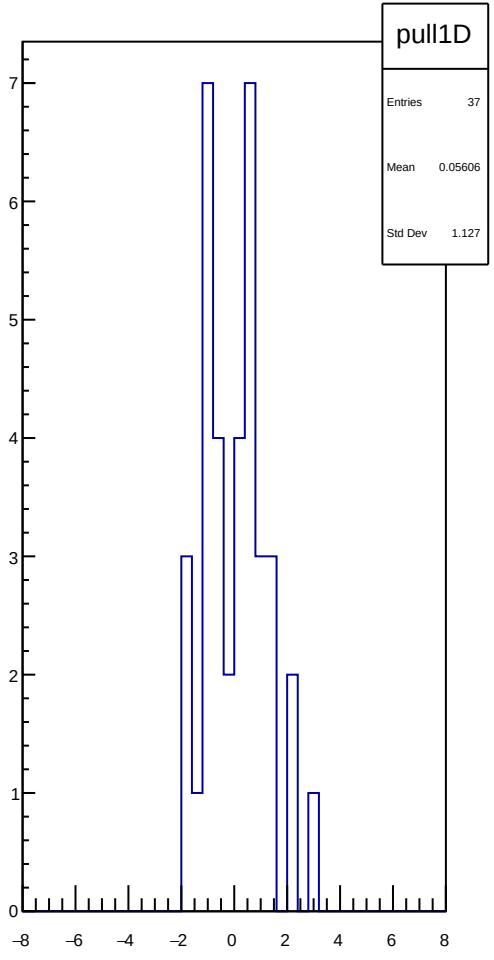

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3.996e+04 / 37
p0 1334 ± 1.575
35000
30000
25000
20000
15000
10000
5000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

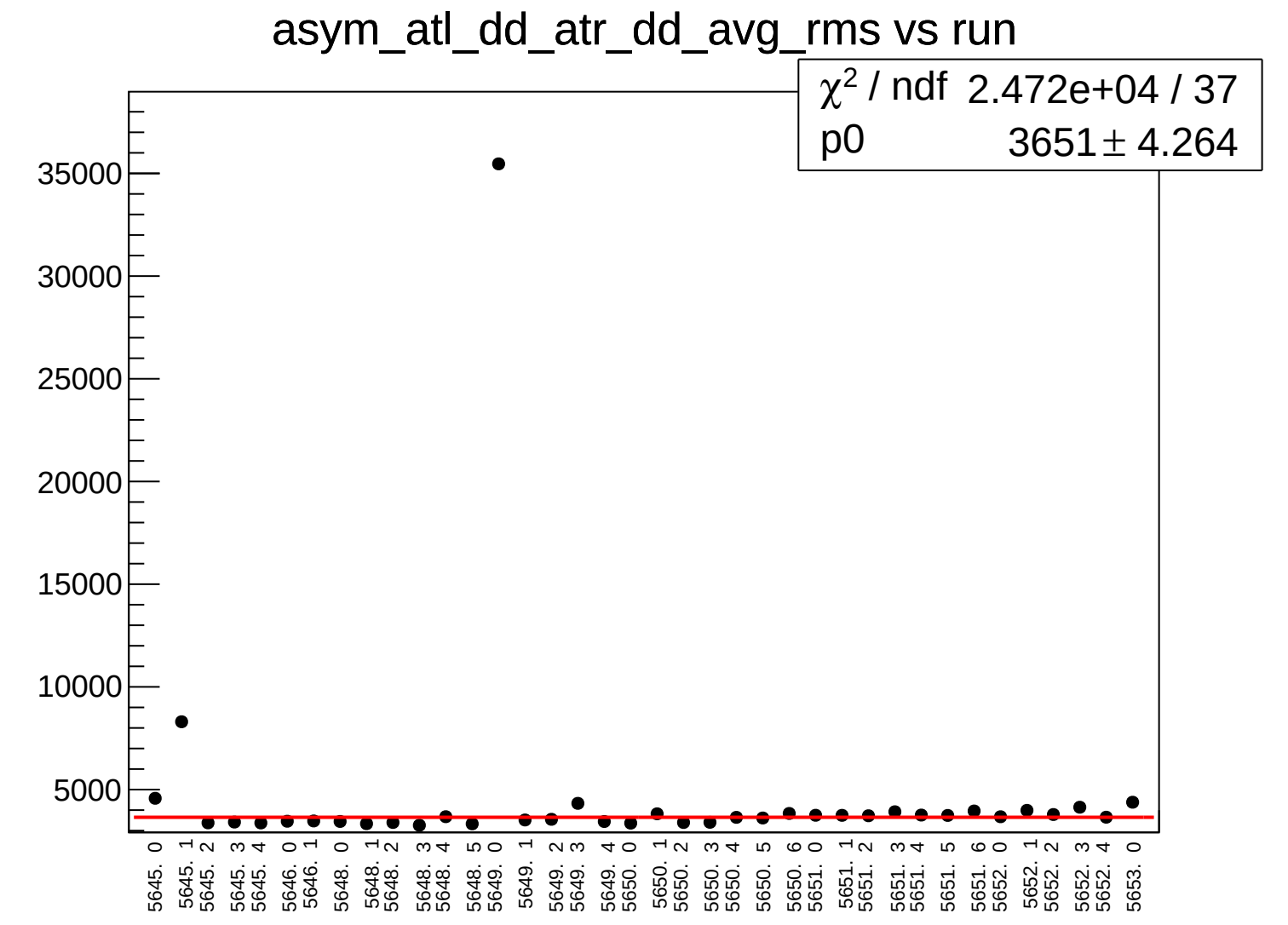

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ^2 / ndf 41.16 / 37
p0 5359 ± 5420
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −7.006
Std Dev 3.063
2
1
0
−1
−2

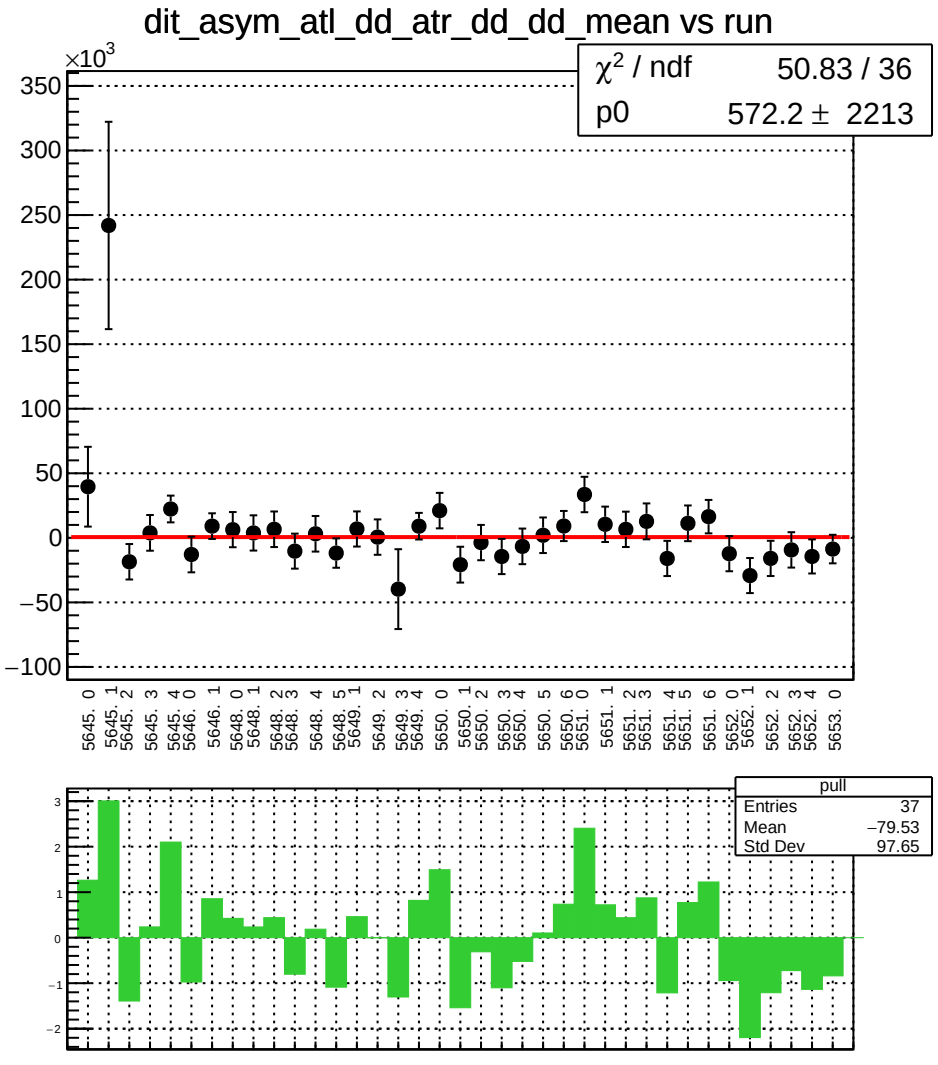

pull1D
Entries 38
Mean −0.01672
Std Dev 1.041
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

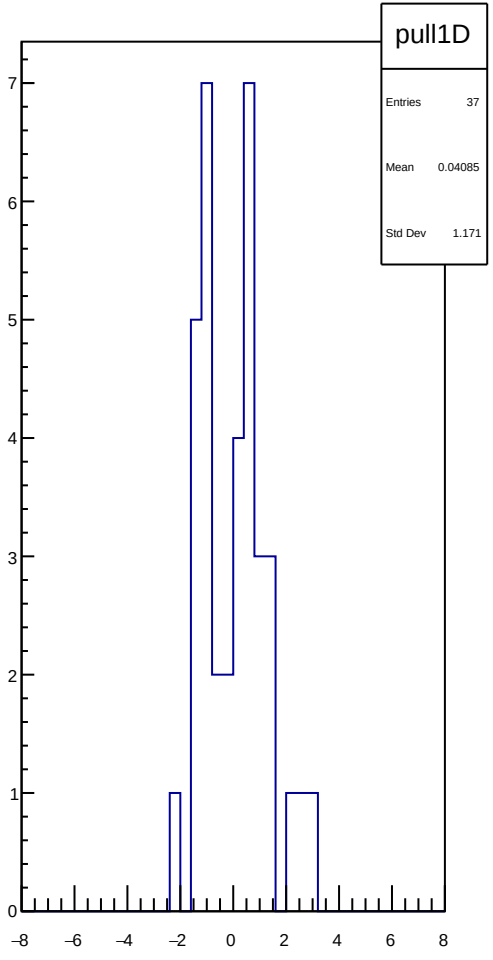

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5270 / 37
p0 3325 ± 3.833
4400
4200
4000
3800
3600
3400
3200
3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

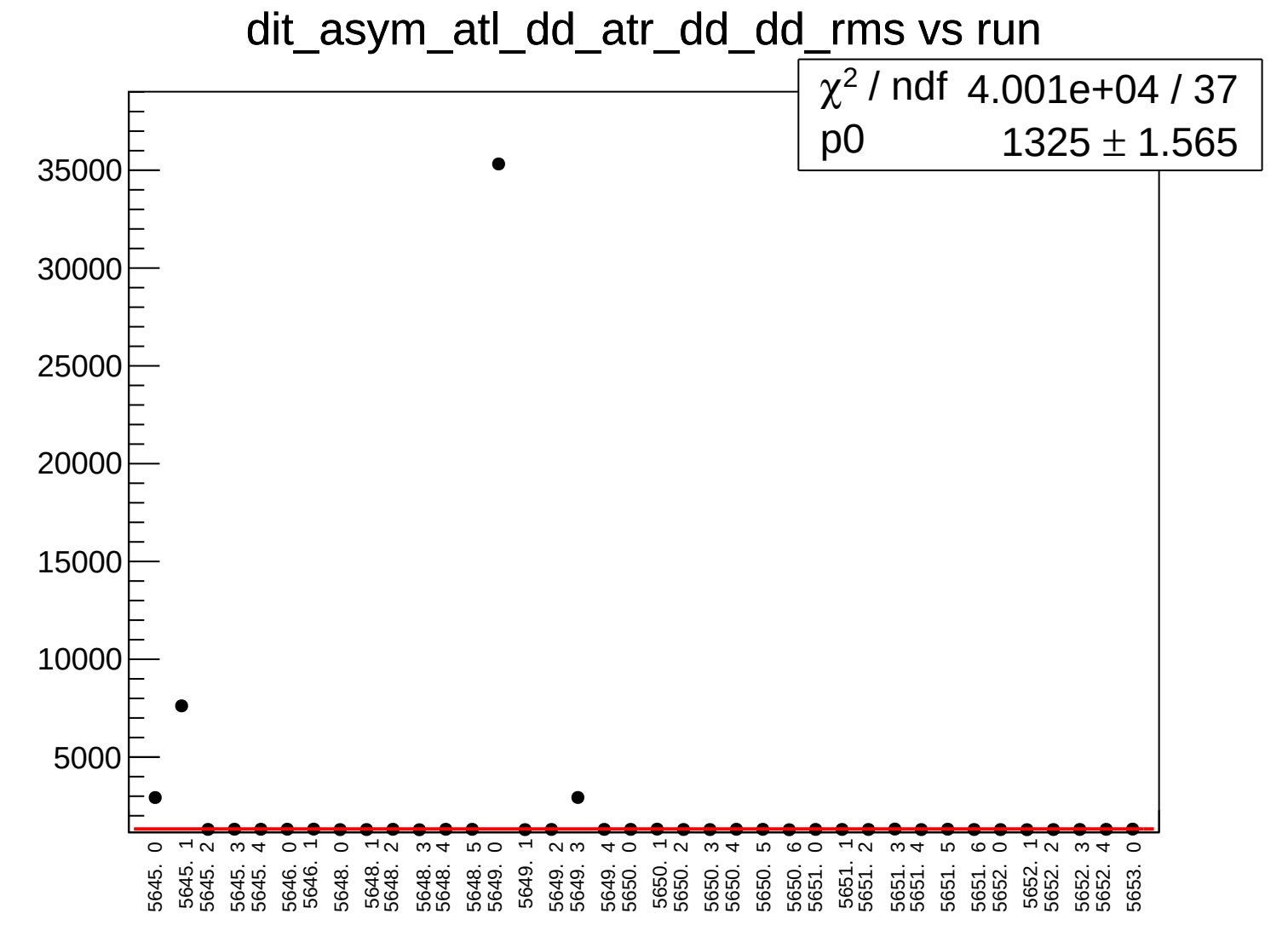

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 47.07 / 36
p0 −8394 ± 6031
300
200
100
0
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean −18.27
Std Dev 27.07
3
2
1
0
−1
−2

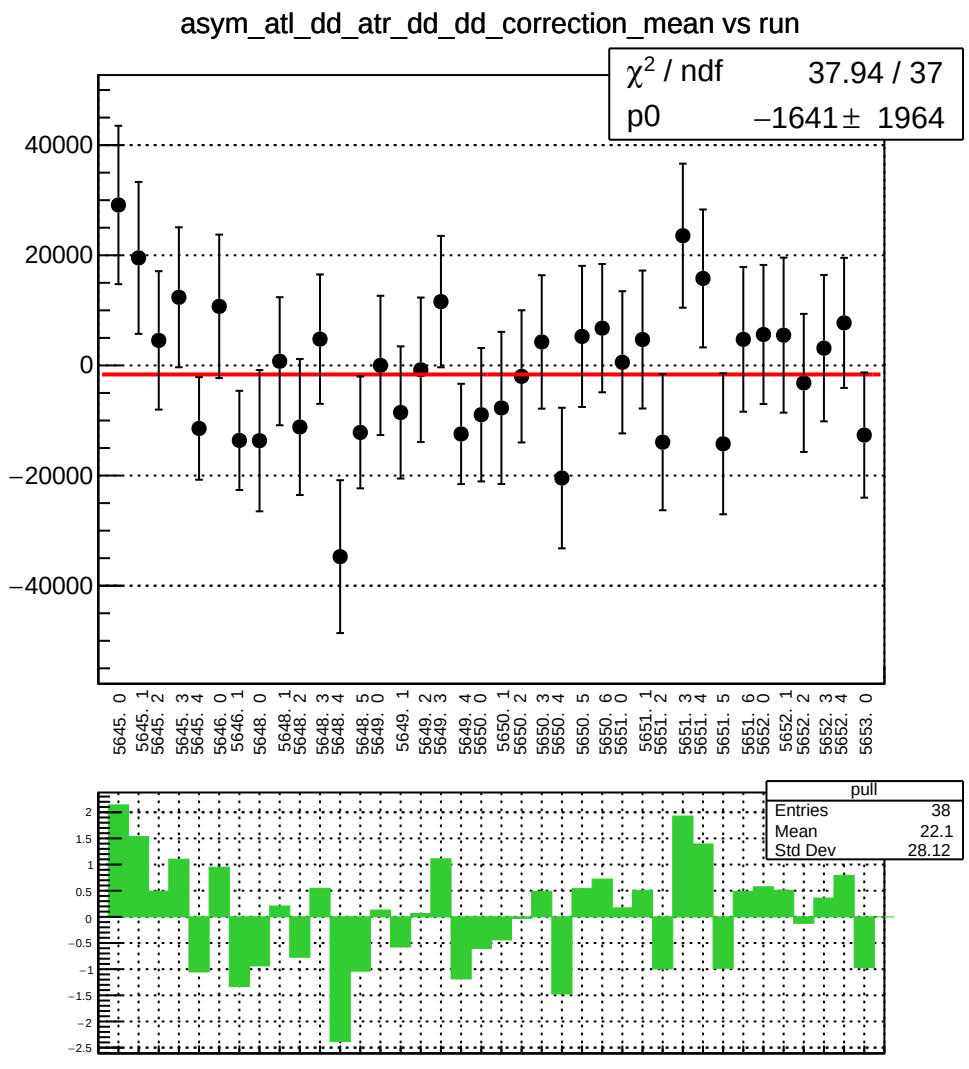

pull1D
Entries 37
Mean 0.05606
Std Dev 1.127
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

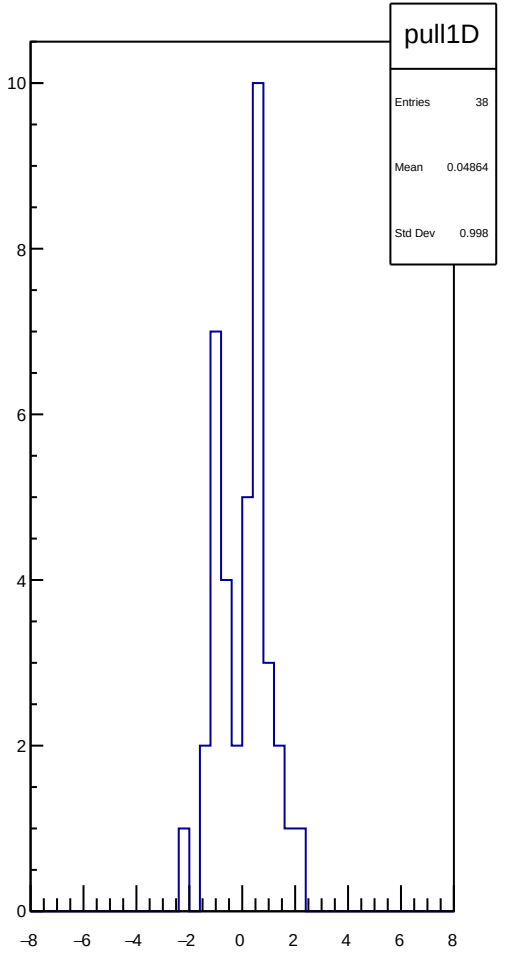

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.472e+04 / 37
p0 3651 ± 4.264
35000
30000
25000
20000
15000
10000
5000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

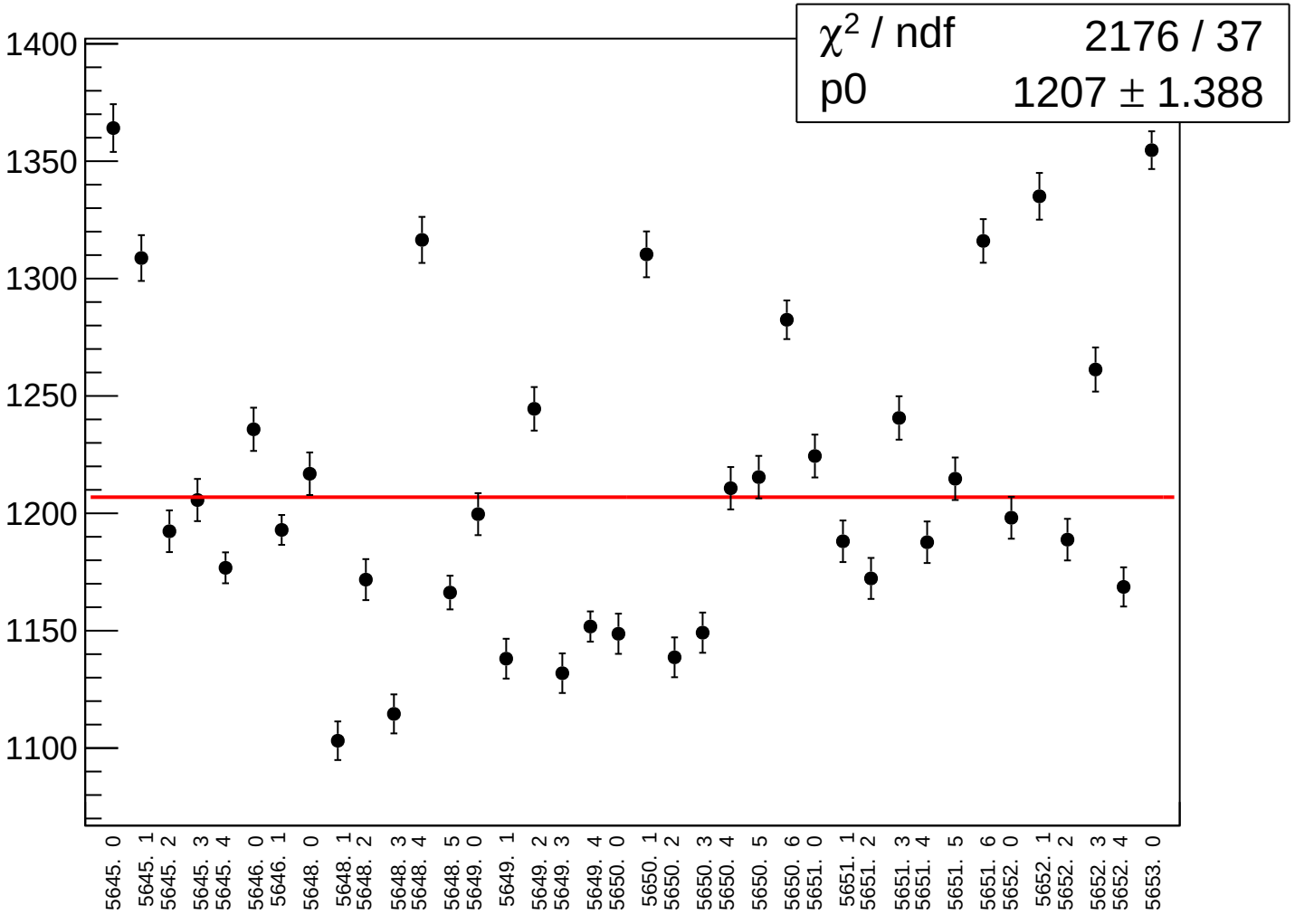

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 50.83 / 36
p0 572.2 ± 2213
×10³
pull
Entries 37
Mean −79.53
Std Dev 97.65

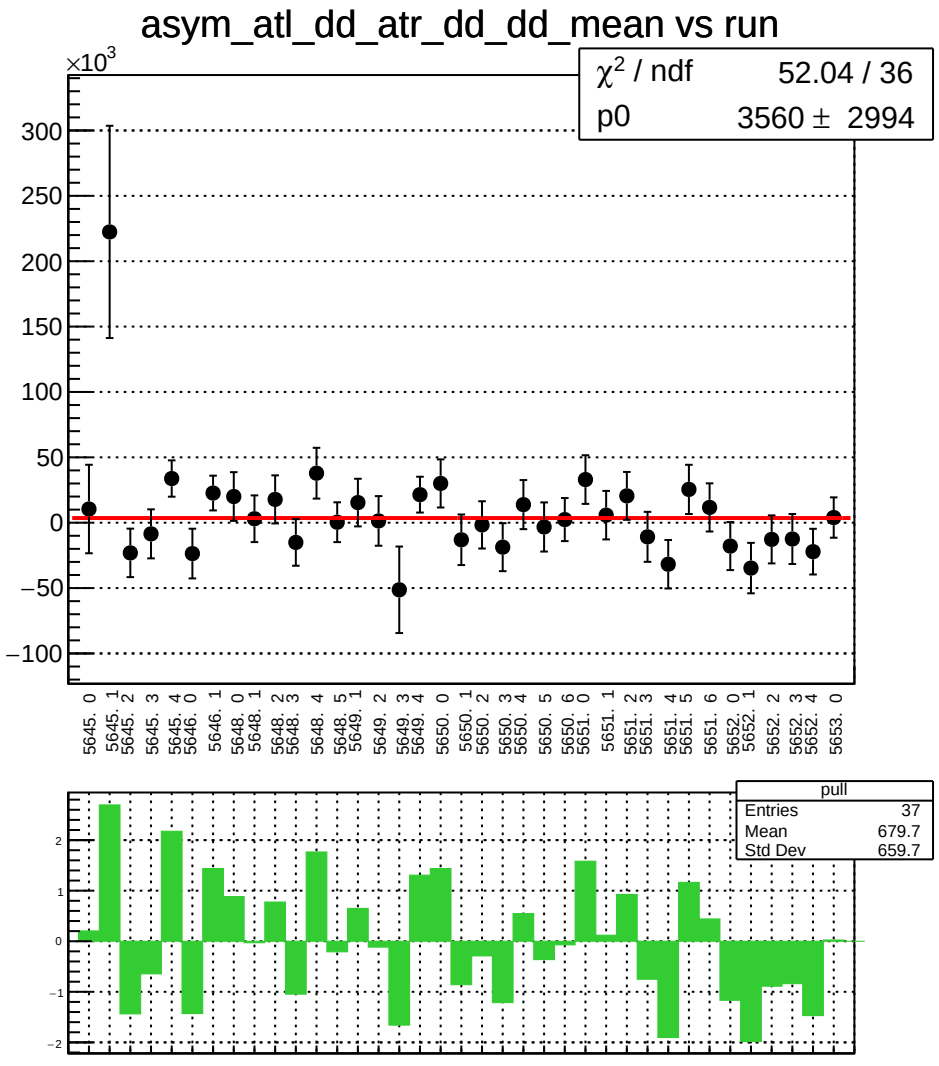

pull1D
Entries 37
Mean 0.04085
Std Dev 1.171

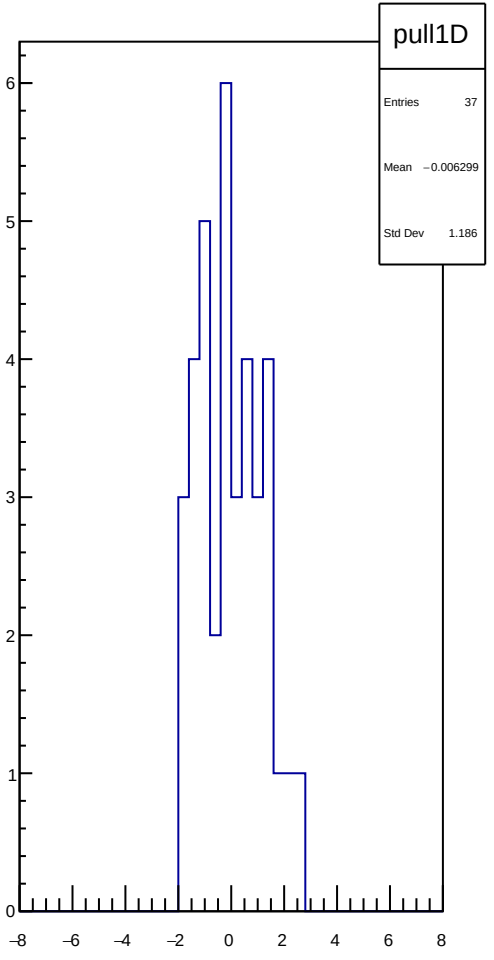

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4.001e+04 / 37
p0 1325 ± 1.565
35000
30000
25000
20000
15000
10000
5000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

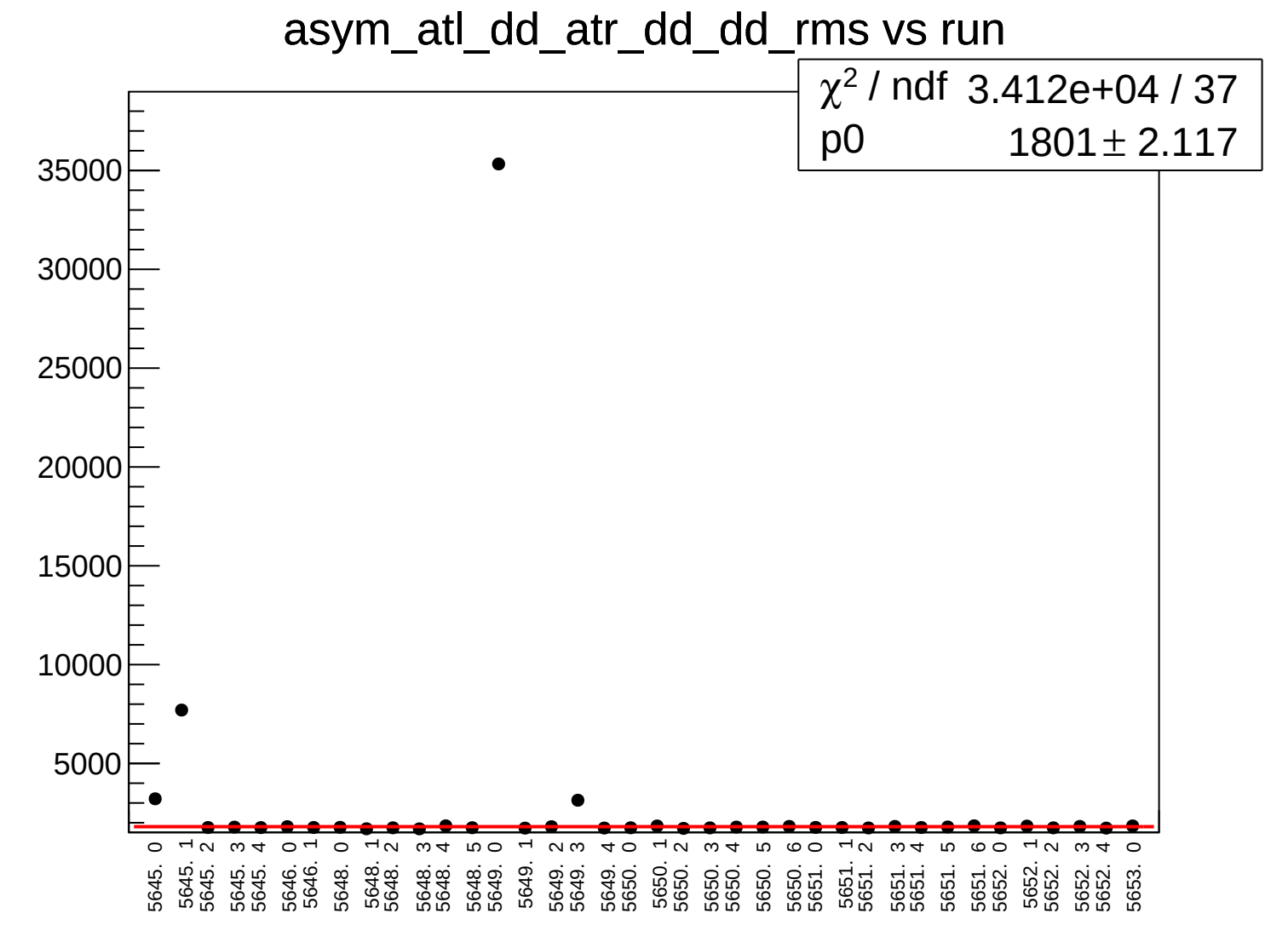

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 37.94 / 37
p0 −1641 ± 1964
40000
20000
0
−20000
−40000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 22.1
Std Dev 28.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

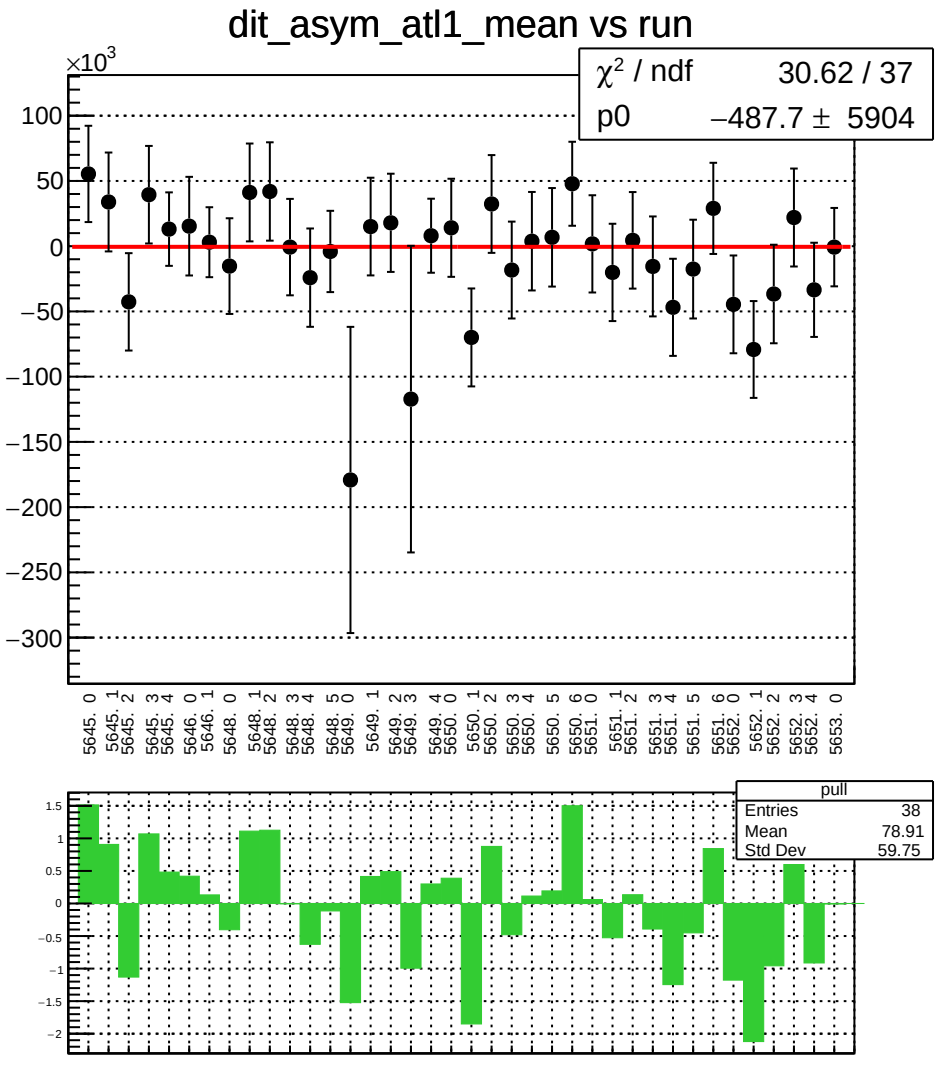

pull1D
Entries 38
Mean 0.04864
Std Dev 0.998
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

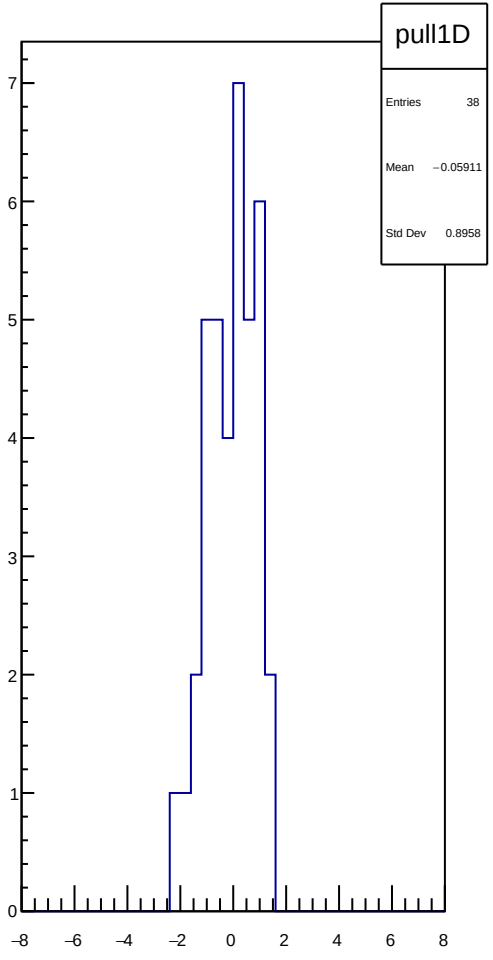

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2176 / 37
p0 1207 ± 1.388
1400
1350
1300
1250
1200
1150
1100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

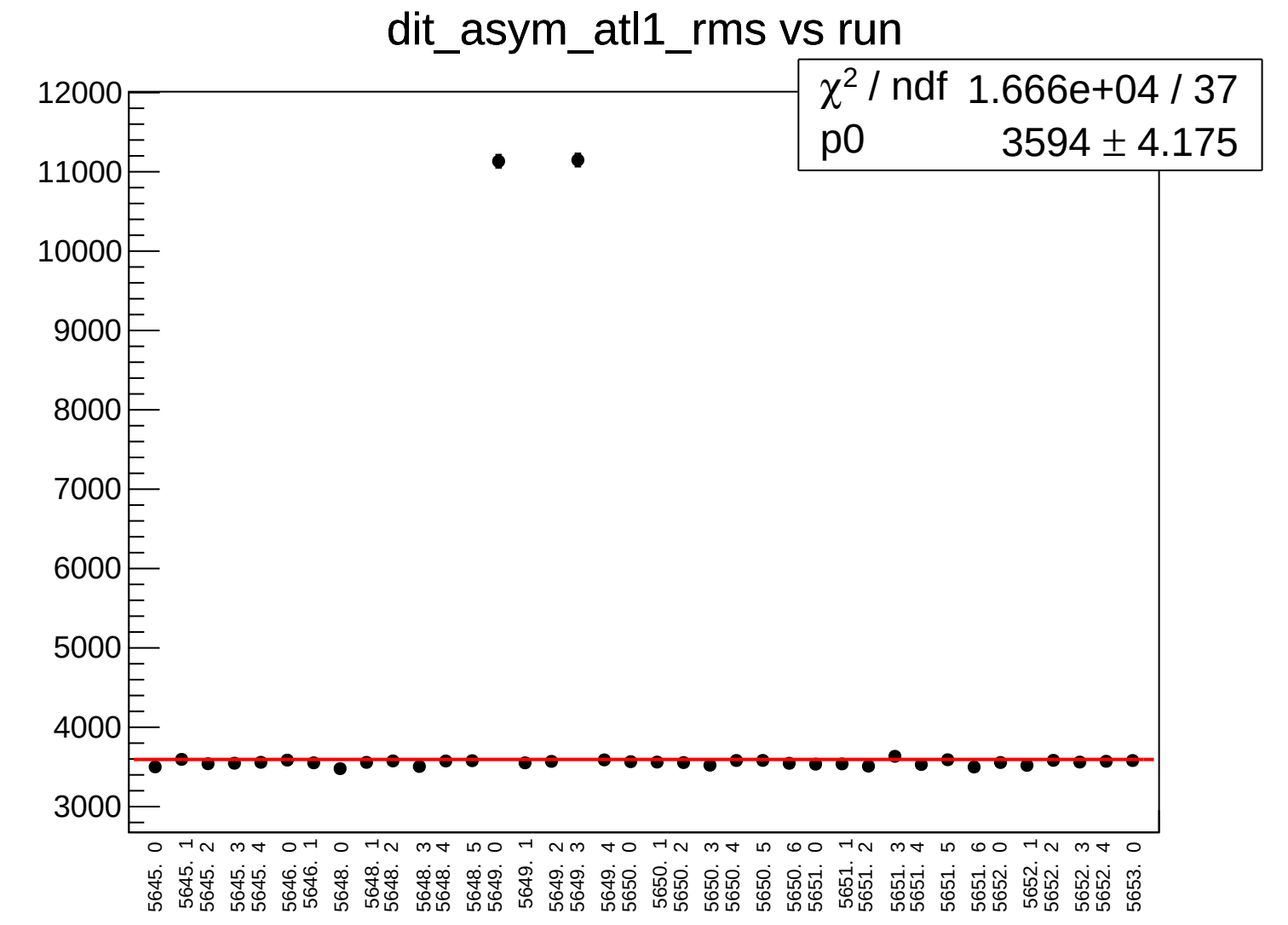

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 52.04 / 36
p0 3560 ± 2994
×10³
pull
Entries 37
Mean 679.7
Std Dev 659.7

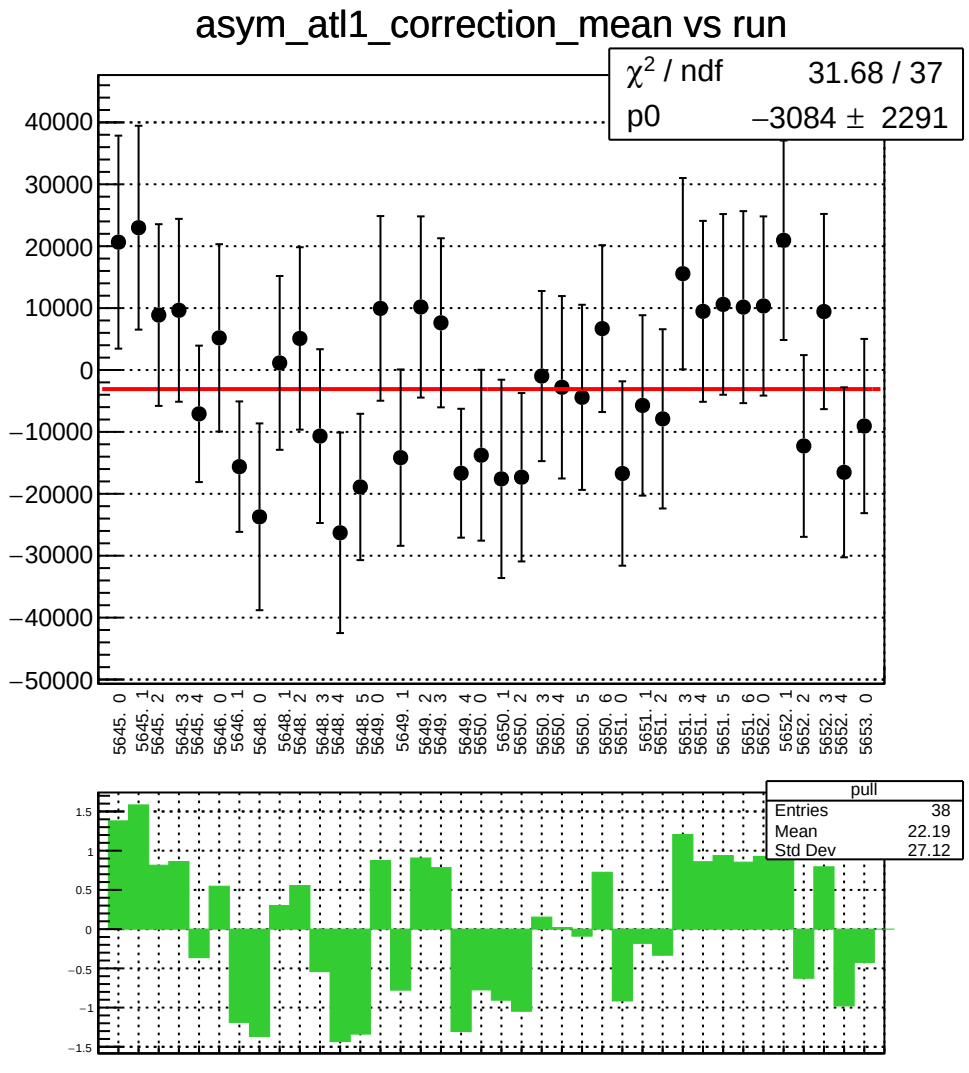

pull1D
Entries 37
Mean −0.006299
Std Dev 1.186

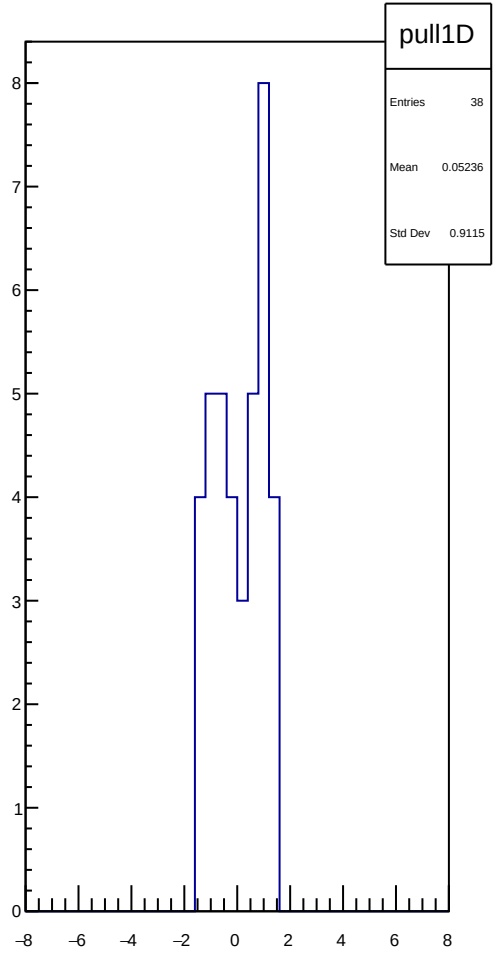

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3.412e+04 / 37
p0 1801 ± 2.117
35000
30000
25000
20000
15000
10000
5000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

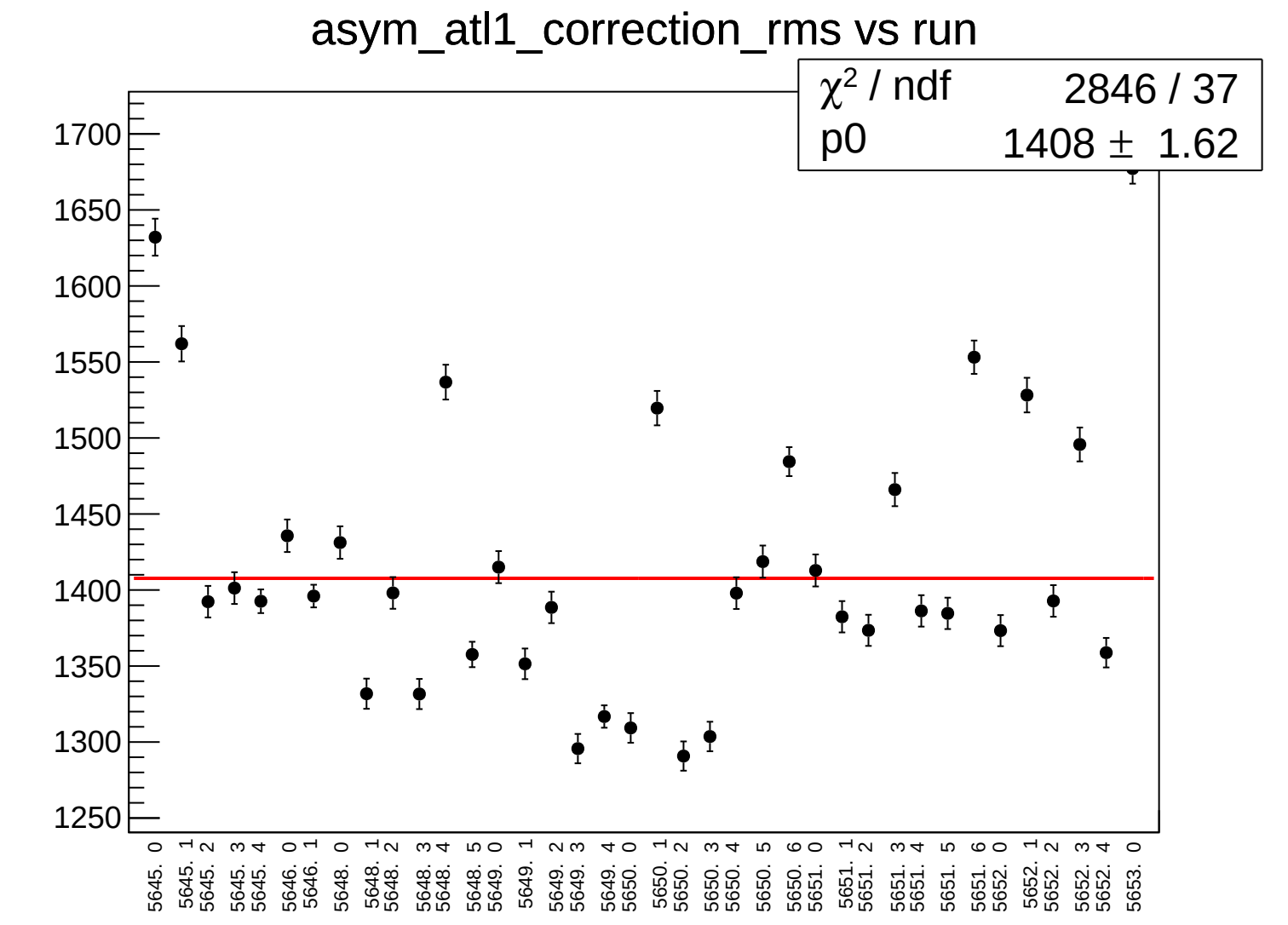

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 30.62 / 37
p0 −487.7 ± 5904
100
50
0
−50
−100
−150
−200
−250
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 78.91
Std Dev 59.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2

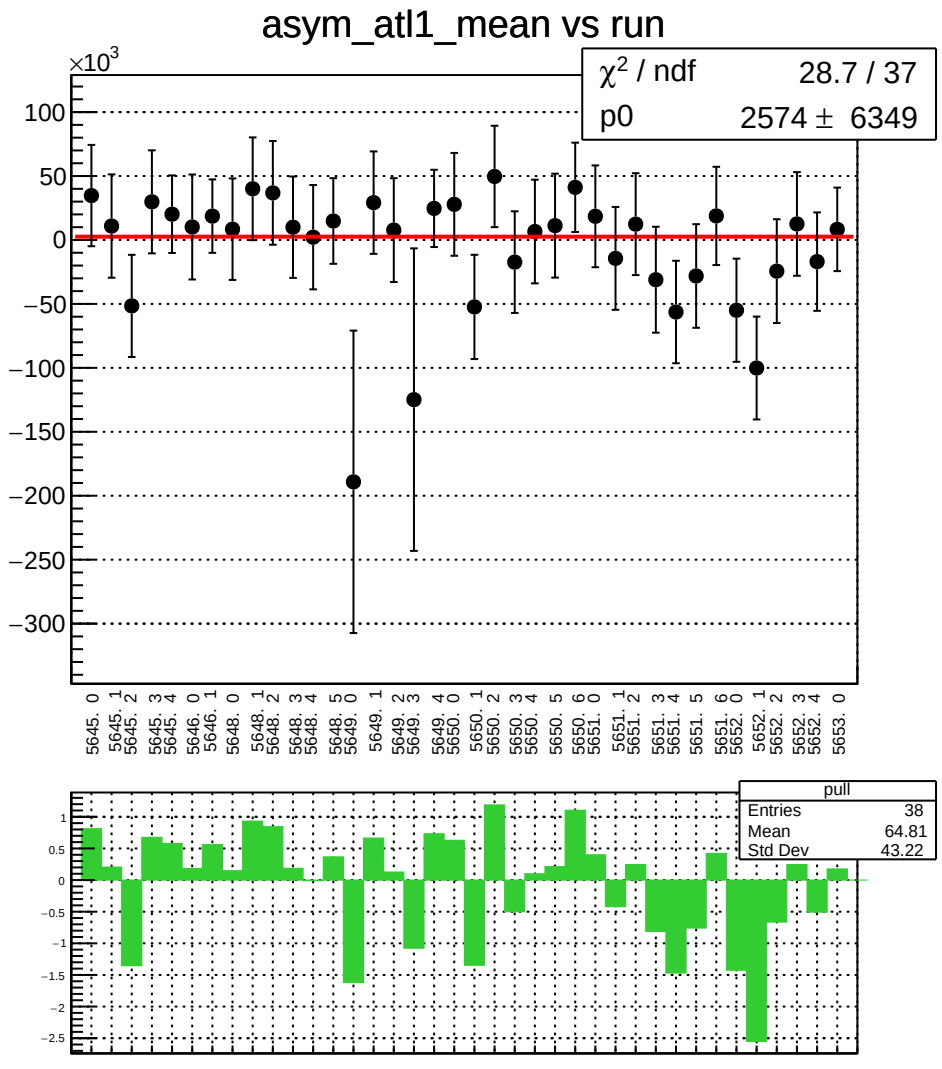

pull1D
Entries 38
Mean −0.05911
Std Dev 0.8958
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

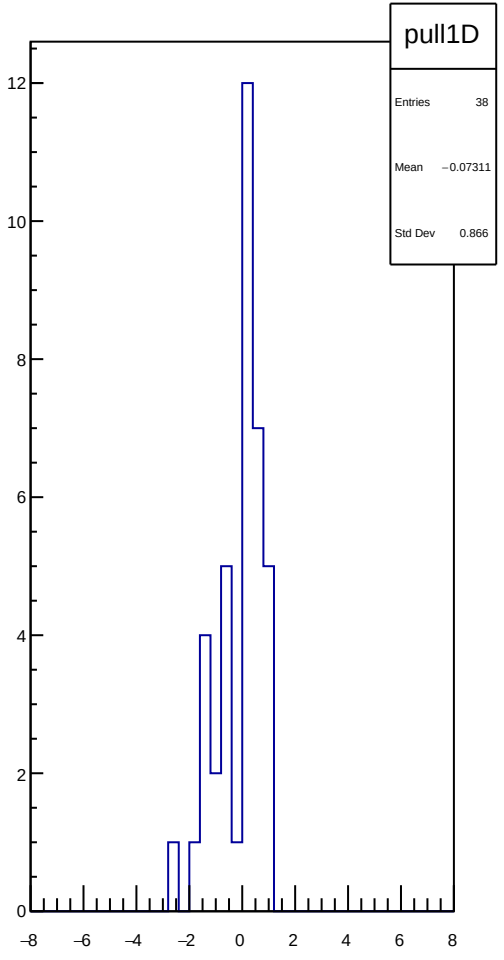

dit_asym_atl1_rms vs run
χ² / ndf 1.666e+04 / 37
p0 3594 ± 4.175
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

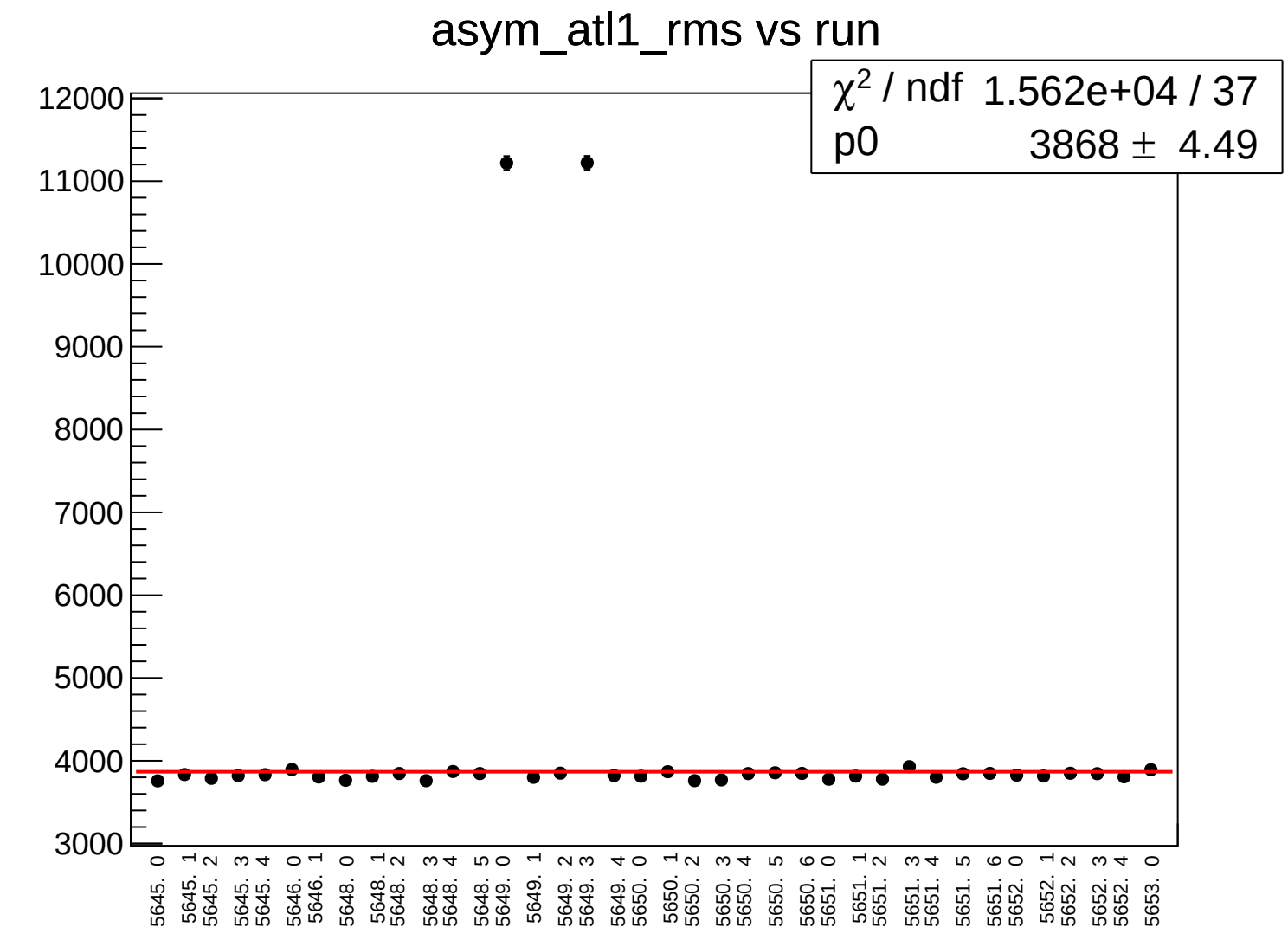

asym_atl1_correction_mean vs run
χ² / ndf 31.68 / 37
p0 −3084 ± 2291
pull
Entries 38
Mean 22.19
Std Dev 27.12

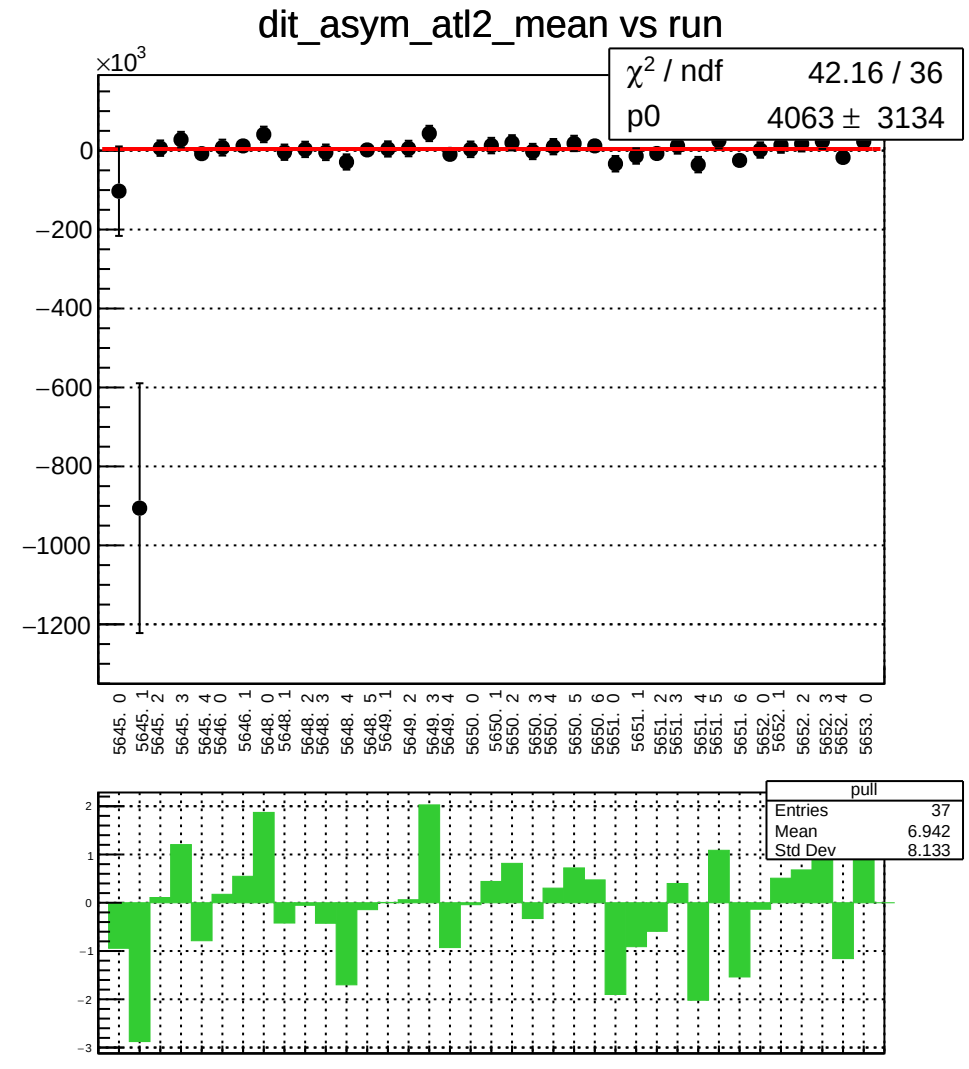

pull1D
Entries 38
Mean 0.05236
Std Dev 0.9115

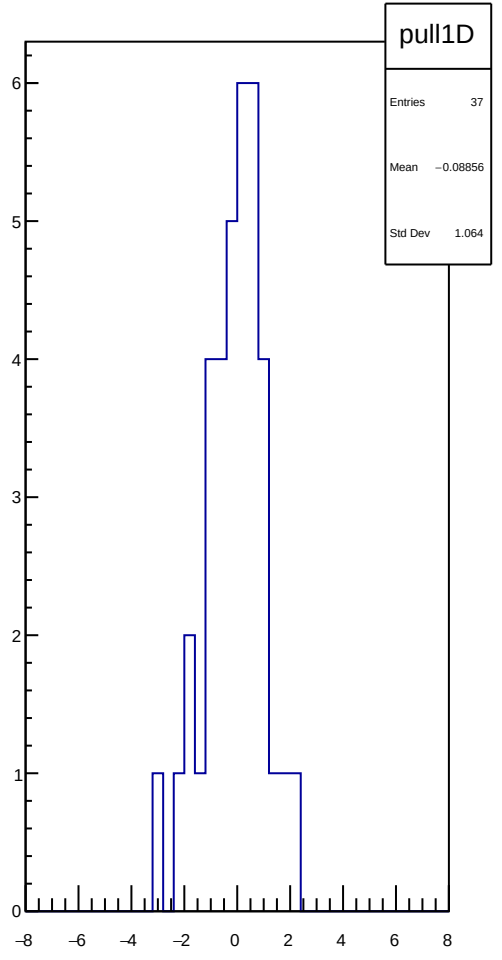

asym_atl1_correction_rms vs run
χ² / ndf 2846 / 37
p0 1408 ± 1.62
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

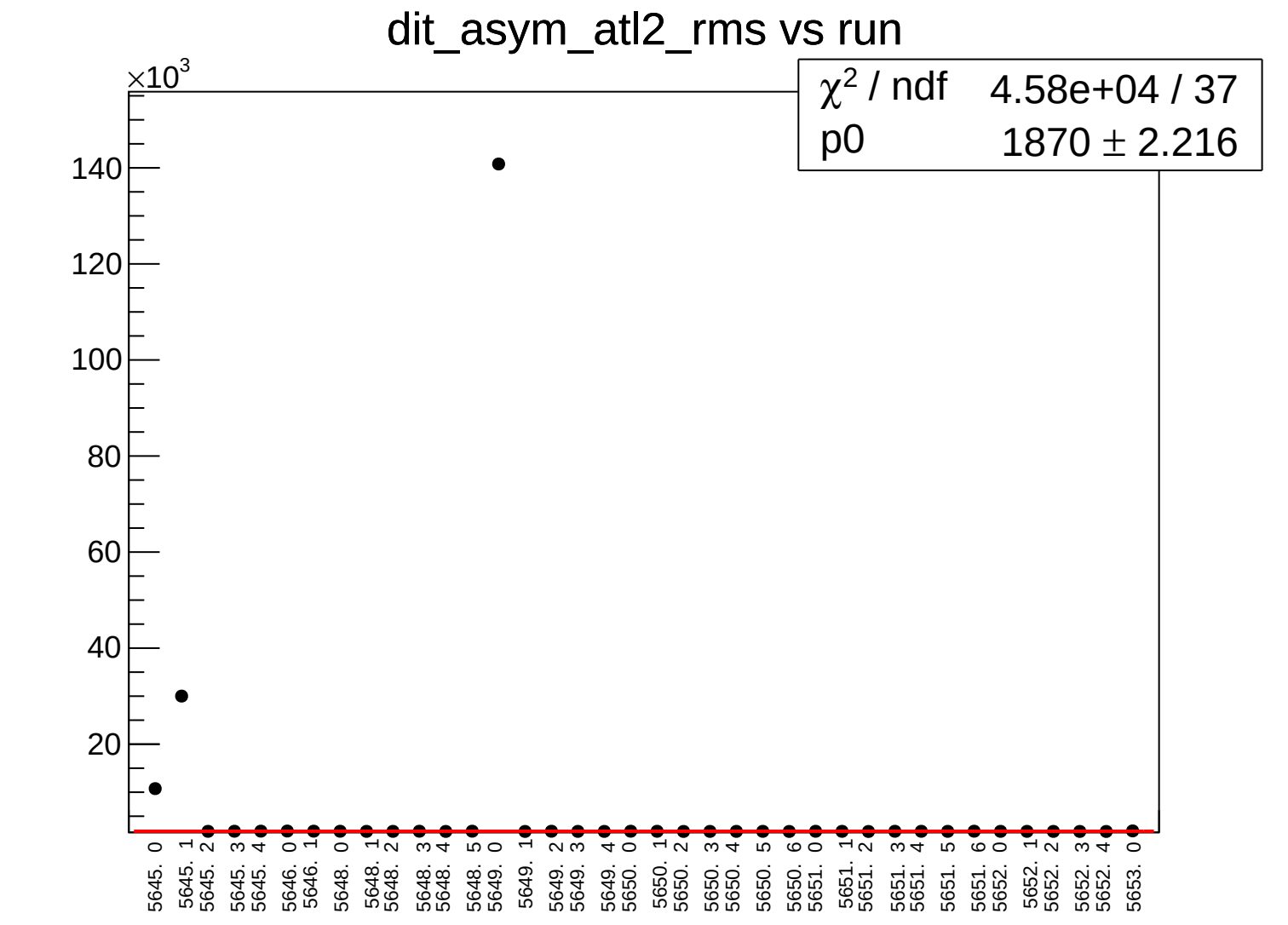

asym_atl1_mean vs run
×10^3
χ^2 / ndf 28.7 / 37
p0 2574 ± 6349
100
50
0
−50
−100
−150
−200
−250
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 64.81
Std Dev 43.22
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

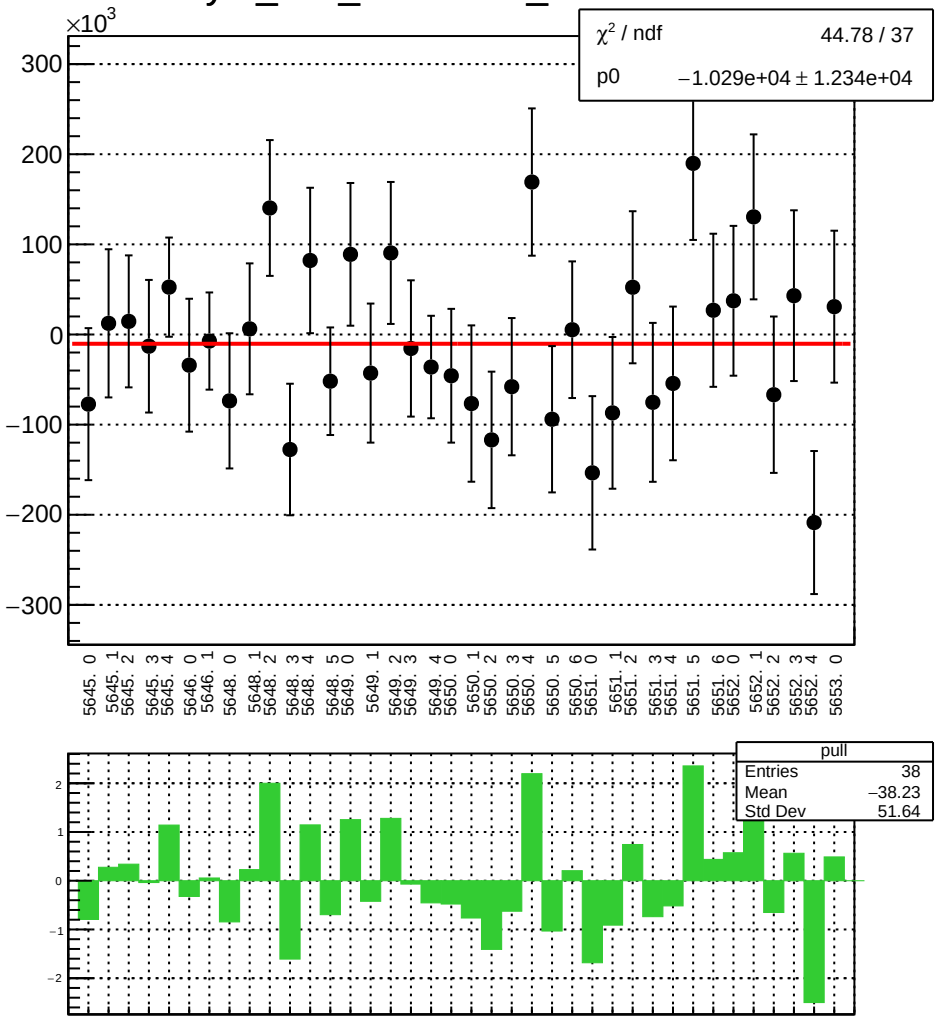

pull1D
Entries 38
Mean −0.07311
Std Dev 0.866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

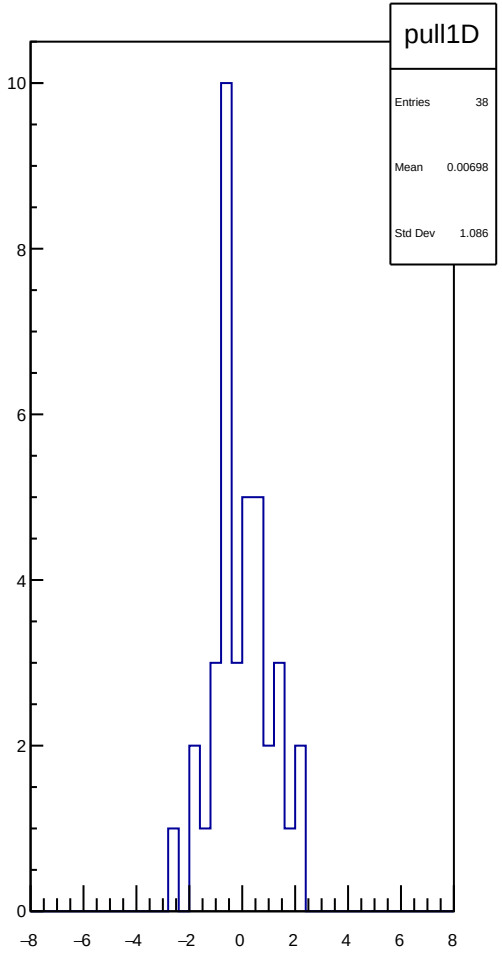

asym_atl1_rms vs run
χ² / ndf 1.562e+04 / 37
p0 3868 ± 4.49
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

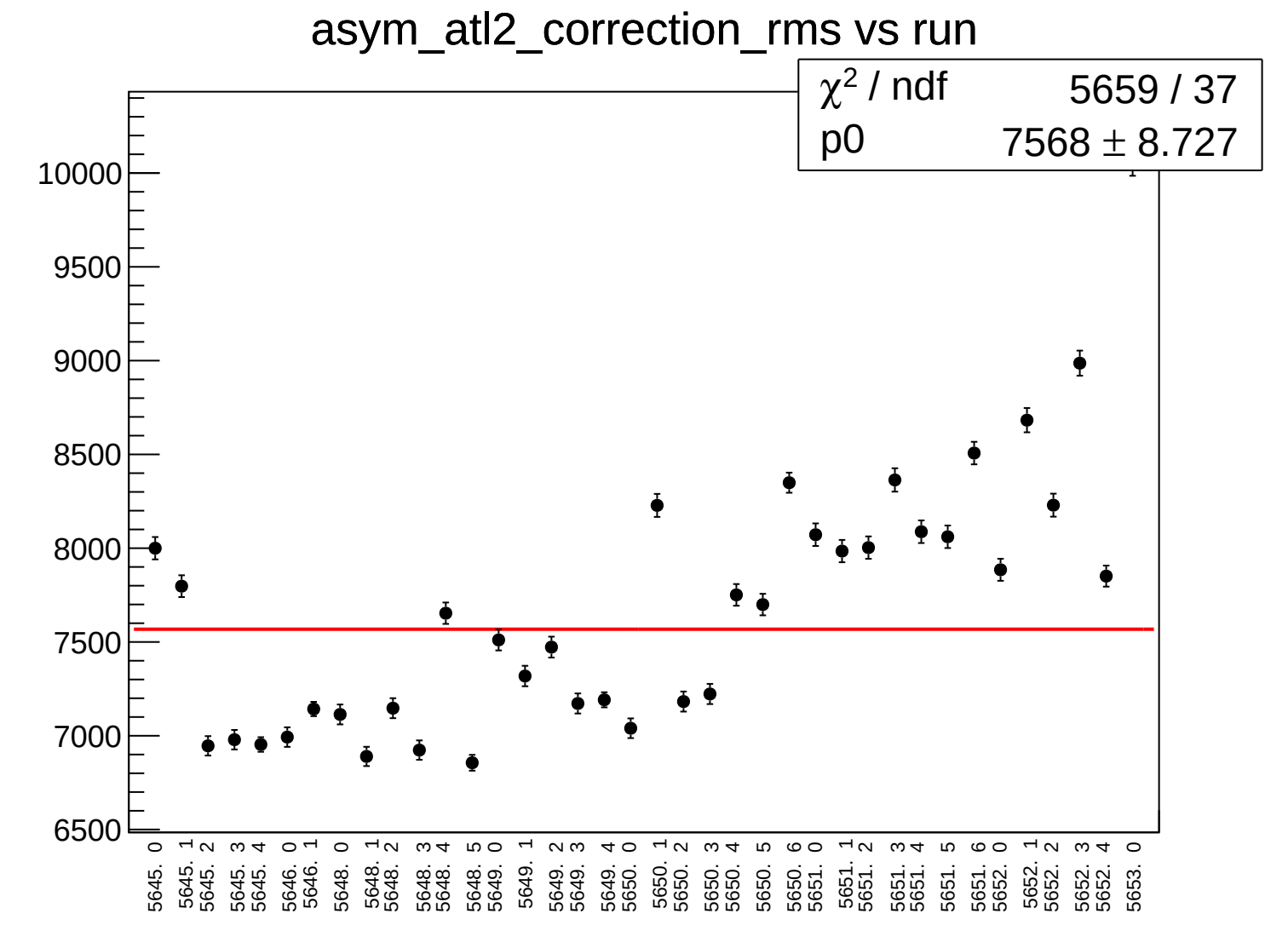

dit_asym_atl2_mean vs run
χ^2 / ndf 42.16 / 36
p0 4063 ± 3134
×10^3
0
−200
−400
−600
−800
−1000
−1200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 37
Mean 6.942
Std Dev 8.133
2
1
0
−1
−2
−3

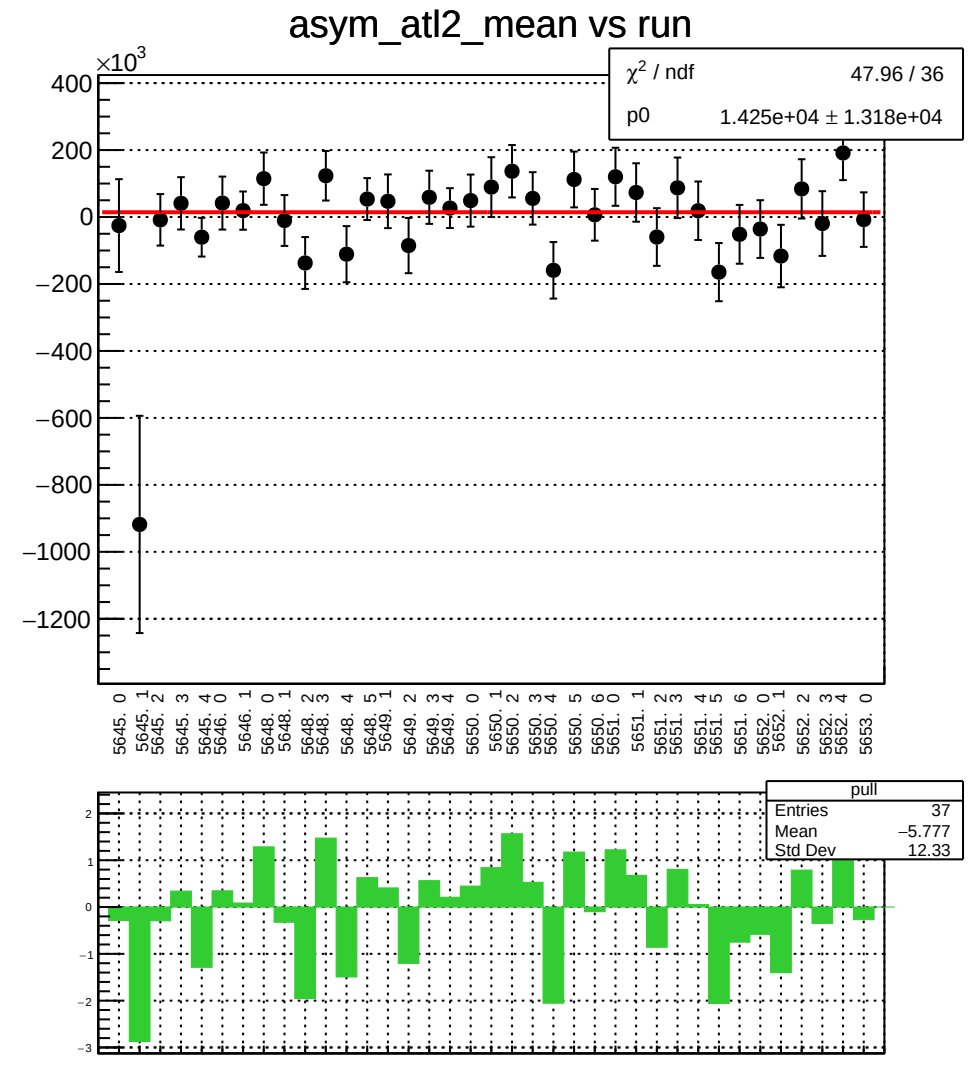

pull1D
Entries 37
Mean −0.08856
Std Dev 1.064
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

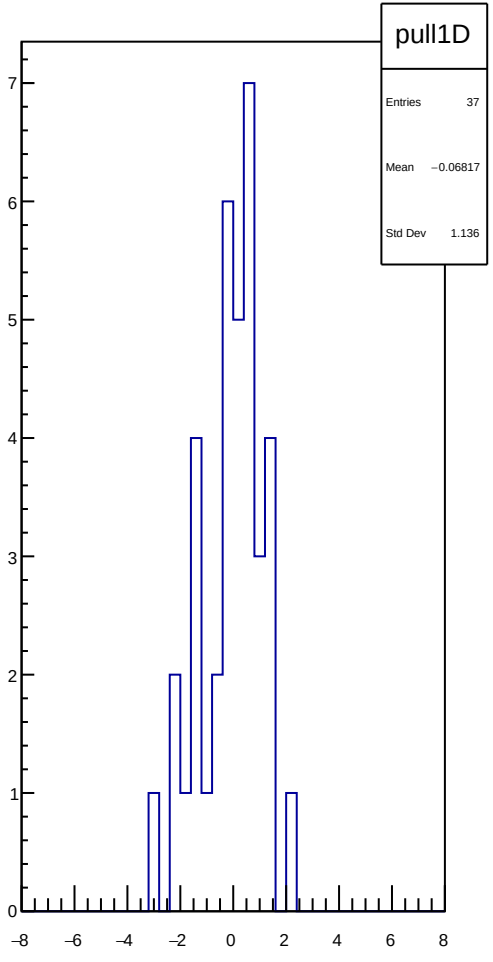

dit_asym_atl2_rms vs run
×10^3
χ^2 / ndf 4.58e+04 / 37
p0 1870 ± 2.216
140
120
100
80
60
40
20
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

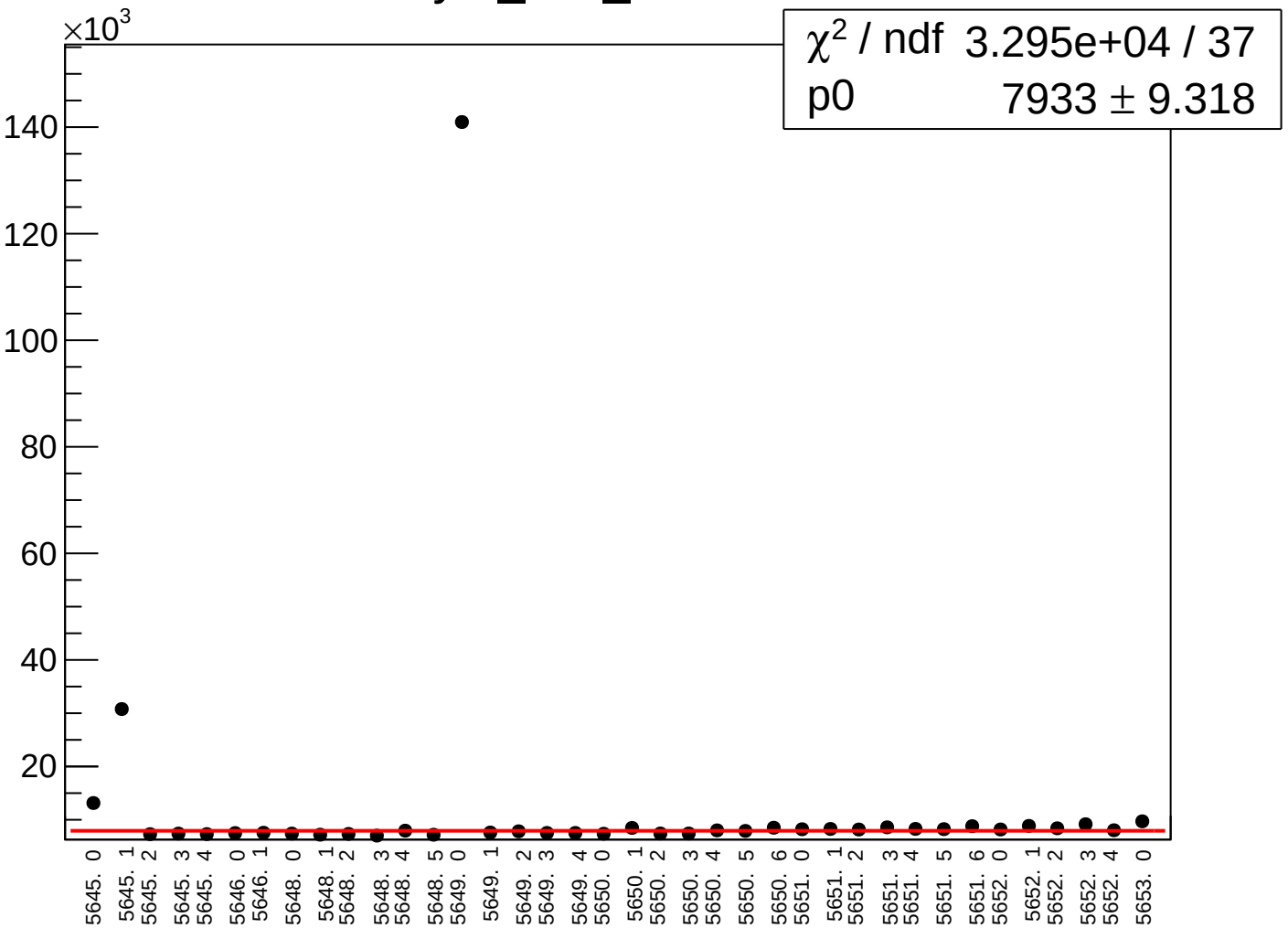

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 44.78 / 37
p0 −1.029e+04 ± 1.234e+04
300
200
100
0
−100
−200
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −38.23
Std Dev 51.64
2
1
0
−1
−2

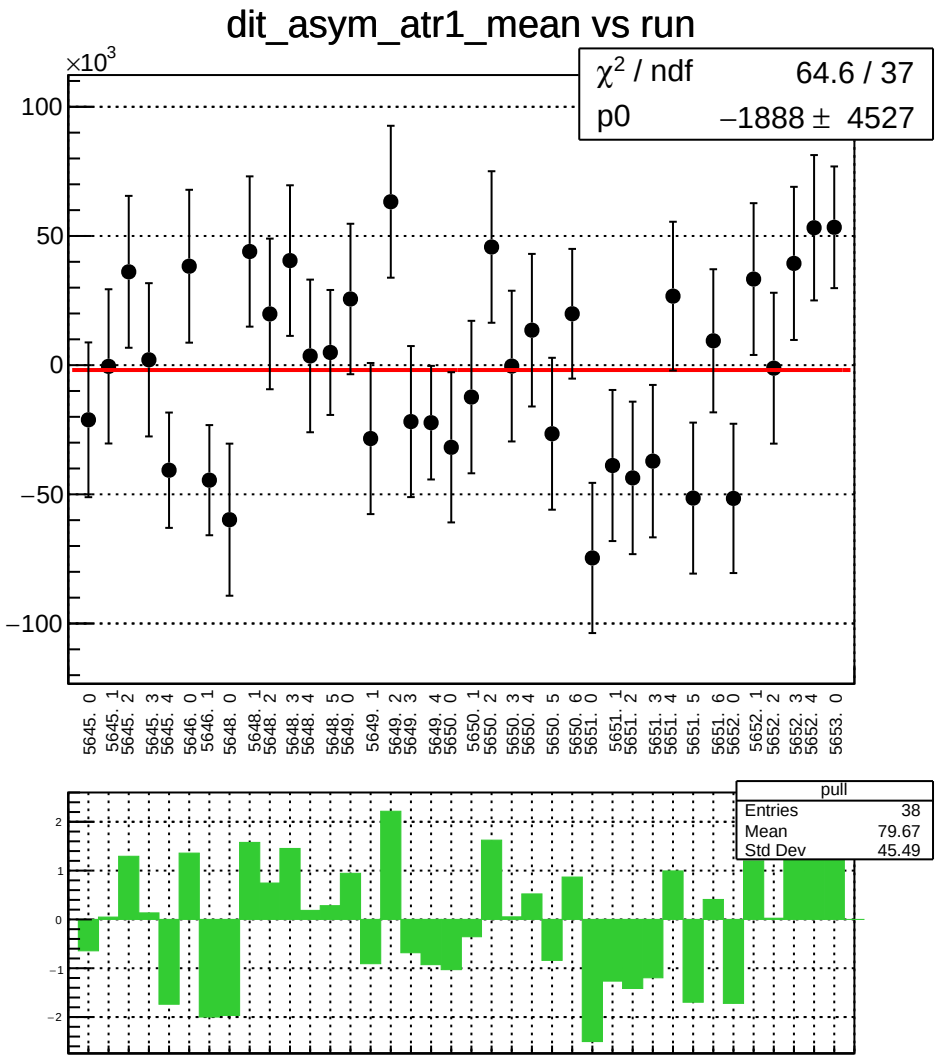

pull1D
Entries 38
Mean 0.00698
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

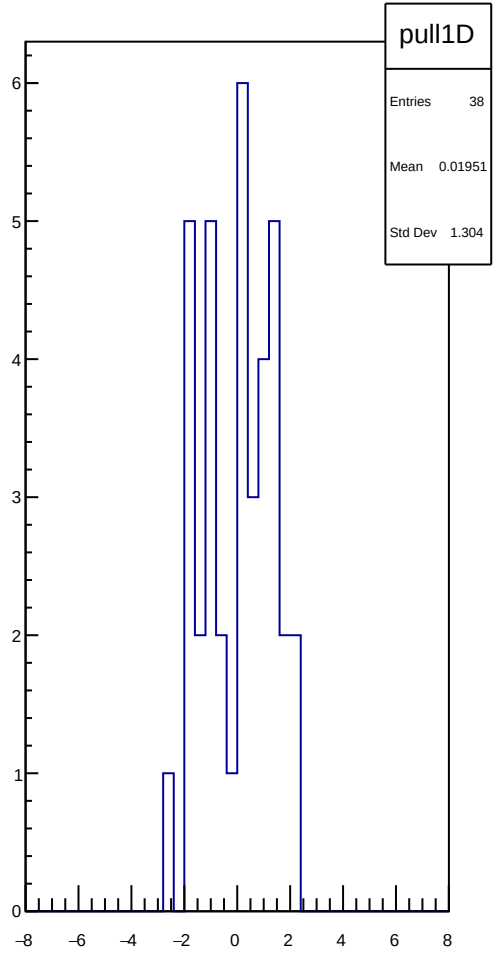

asym_atl2_correction_rms vs run
χ² / ndf 5659 / 37
p0 7568 ± 8.727
10000
9500
9000
8500
8000
7500
7000
6500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

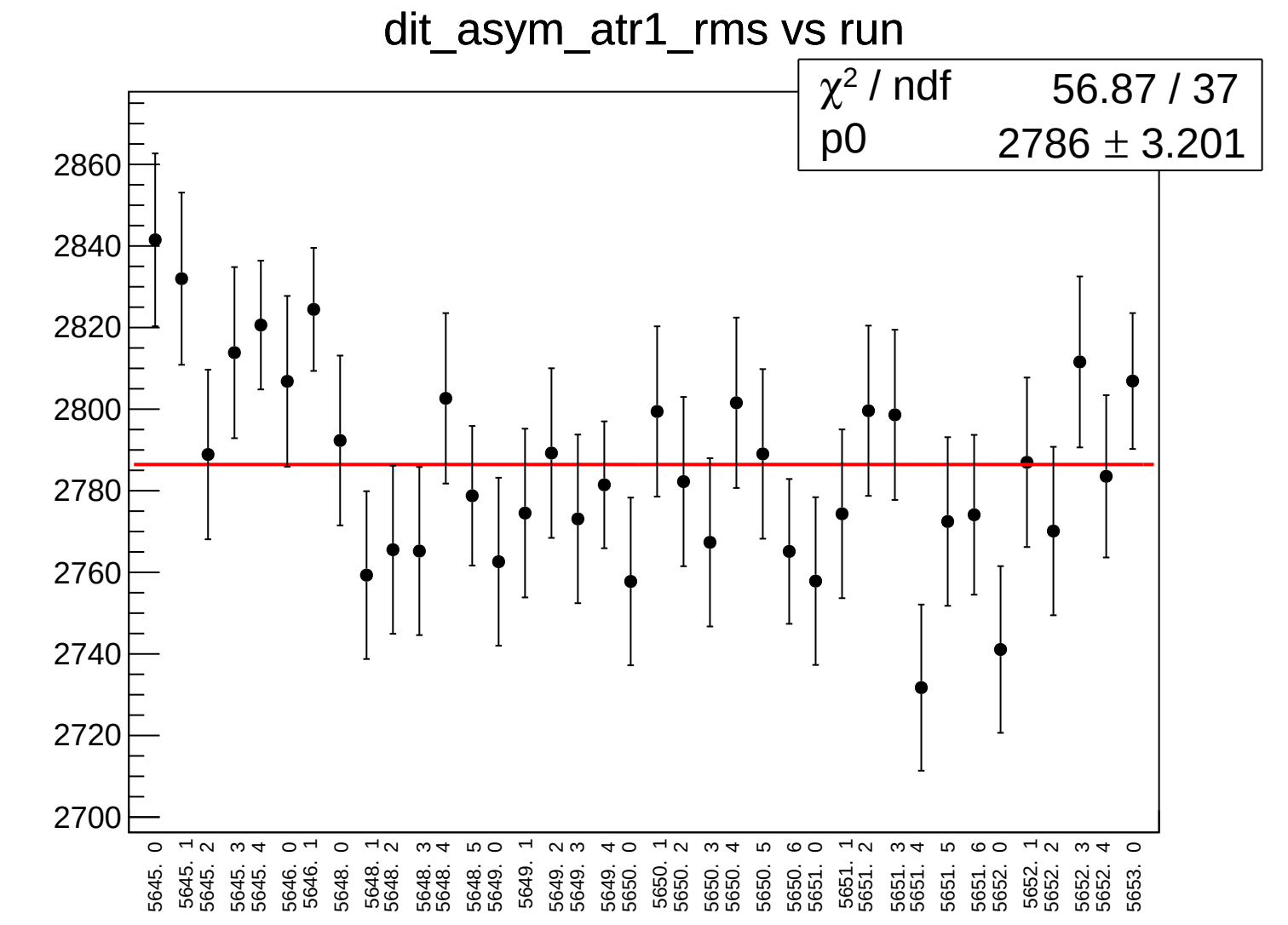

asym_atl2_mean vs run
×10^3
χ² / ndf 47.96 / 36
p0 1.425e+04 ± 1.318e+04
pull
Entries 37
Mean −5.777
Std Dev 12.33

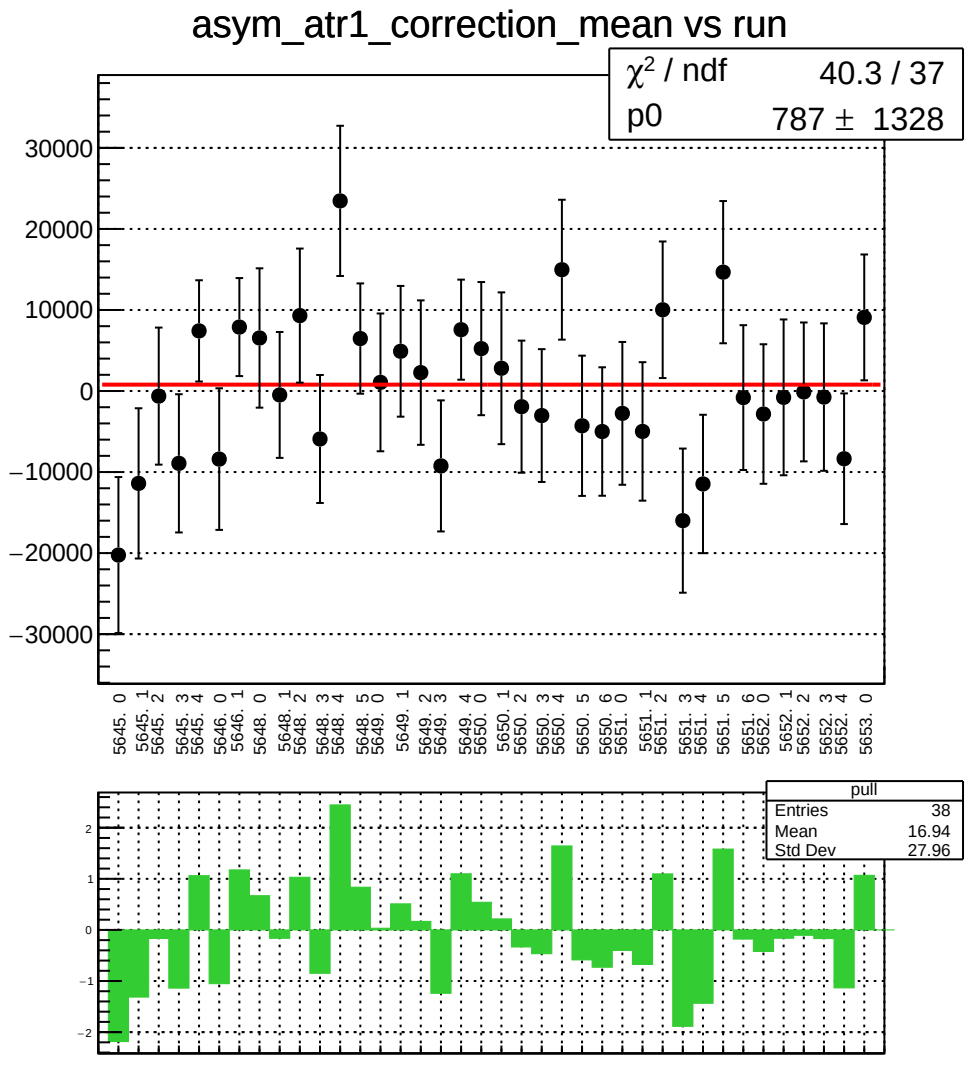

pull1D
Entries 37
Mean −0.06817
Std Dev 1.136

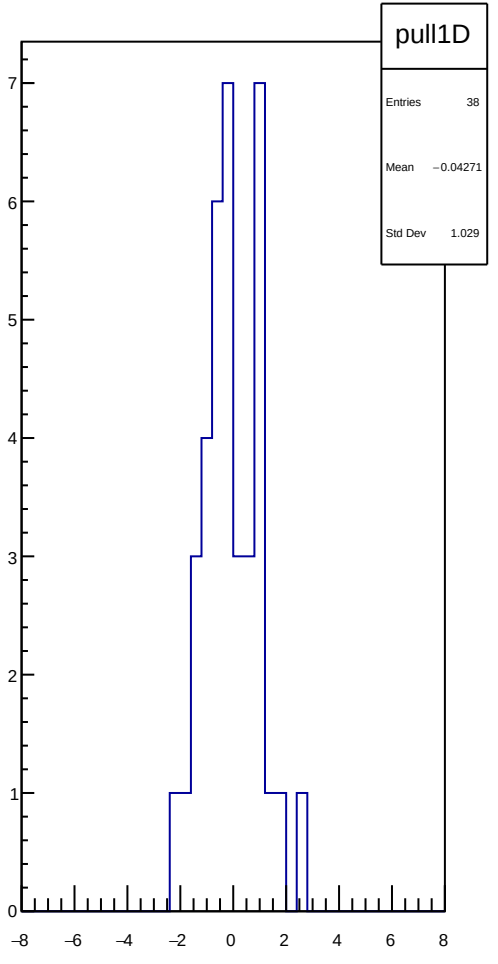

asym_atl2_rms vs run
χ^2 / ndf 3.295e+04 / 37
p0 7933 ± 9.318
×10^3
140
120
100
80
60
40
20
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

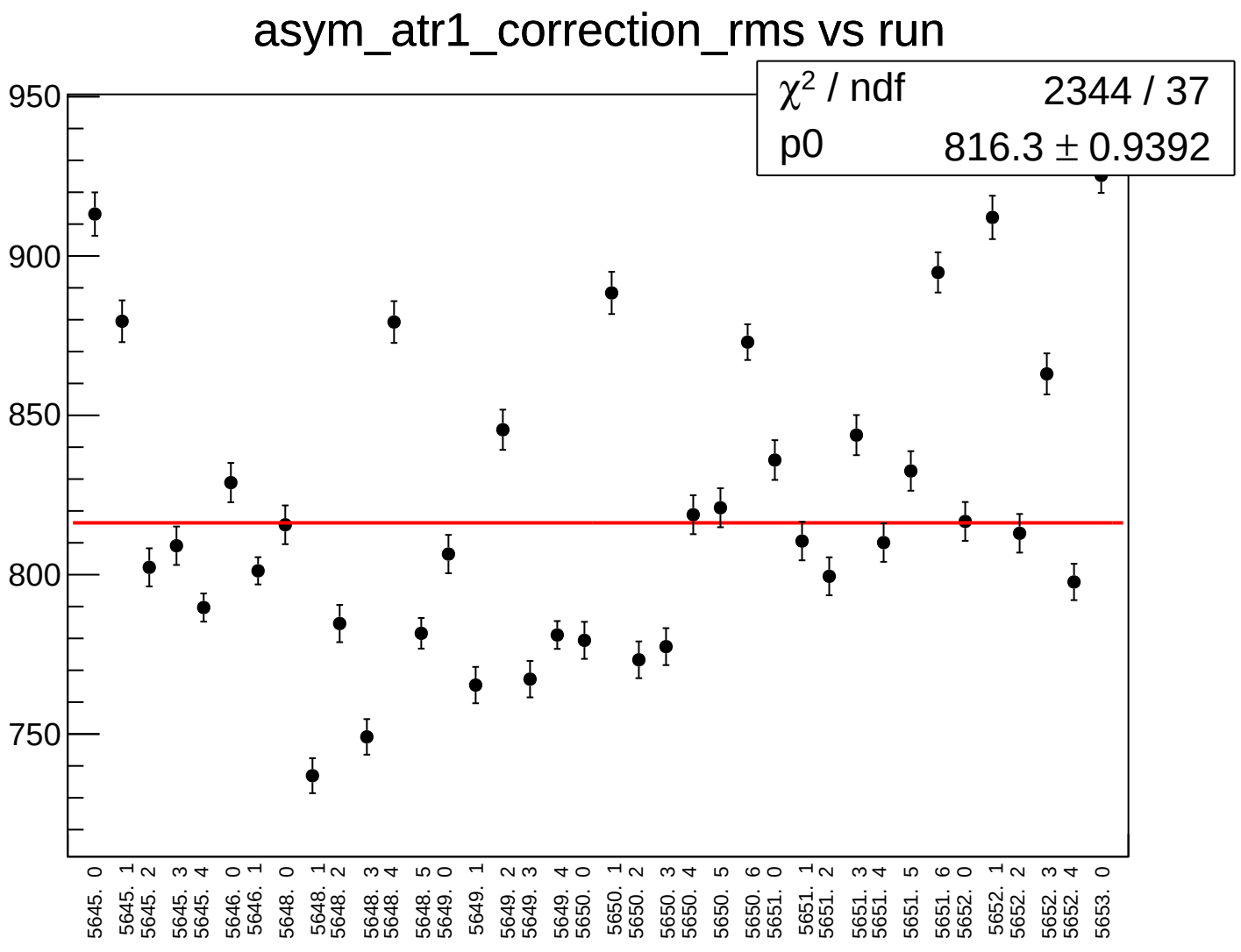

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 64.6 / 37
p0 −1888 ± 4527
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 79.67
Std Dev 45.49
2
1
0
−1
−2

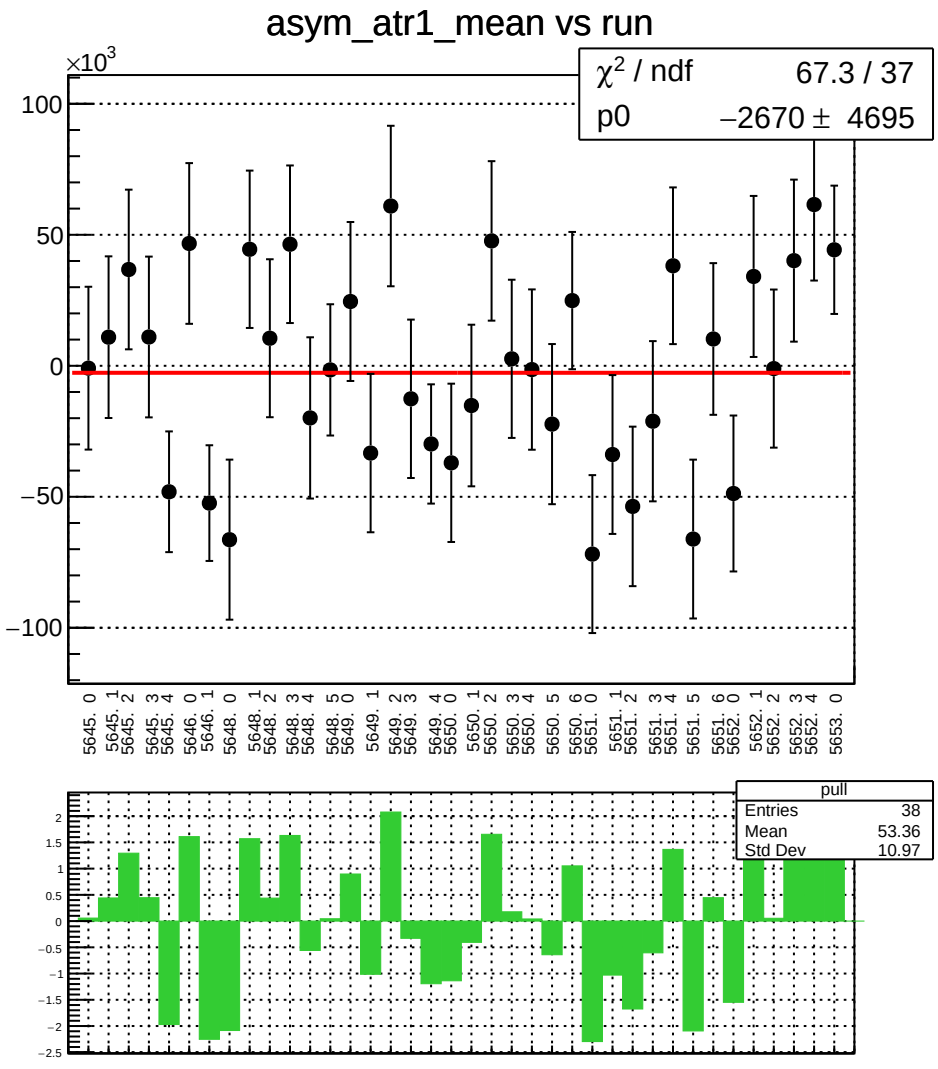

pull1D
Entries 38
Mean 0.01951
Std Dev 1.304
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

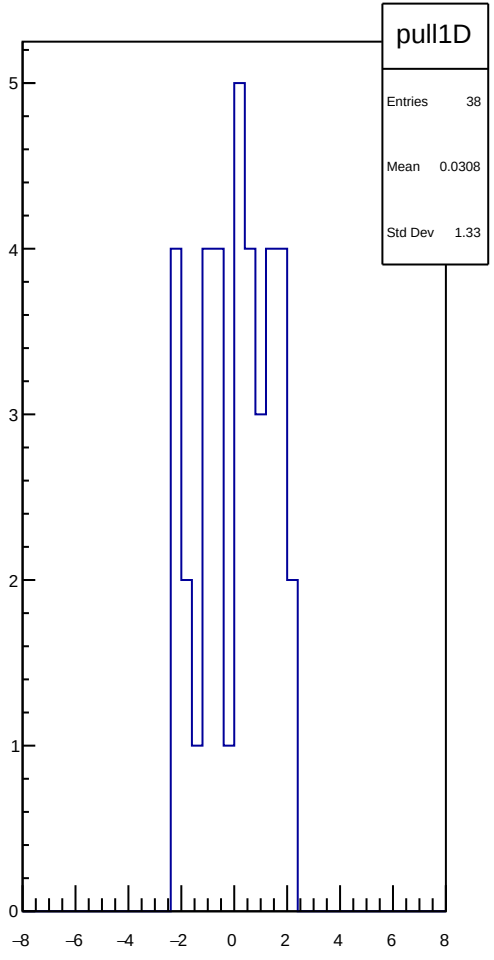

dit_asym_atr1_rms vs run
χ² / ndf 56.87 / 37
p0 2786 ± 3.201
2860
2840
2820
2800
2780
2760
2740
2720
2700
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

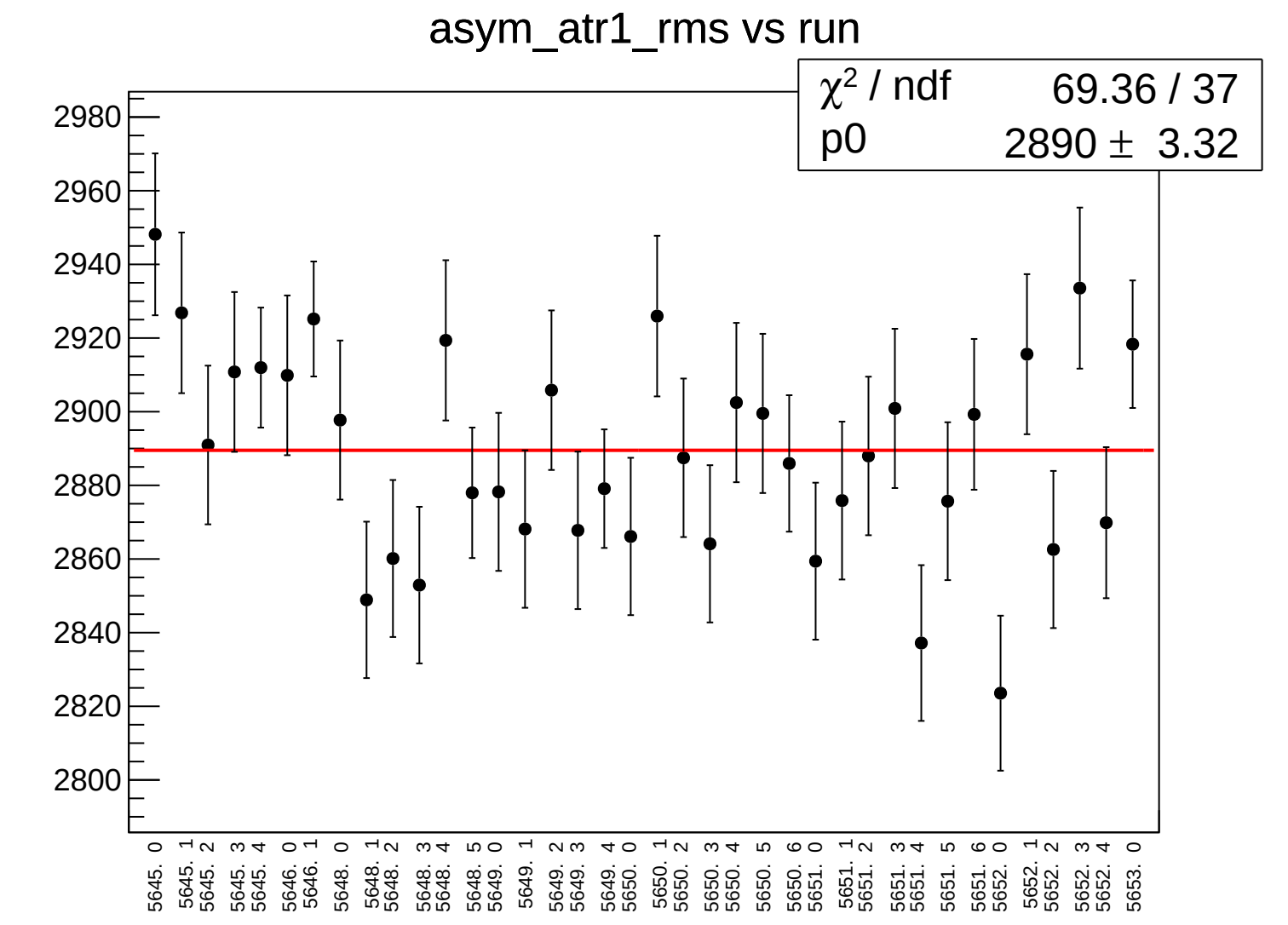

asym_atr1_correction_mean vs run
χ² / ndf 40.3 / 37
p0 787 ± 1328
30000
20000
10000
0
−10000
−20000
−30000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 16.94
Std Dev 27.96
2
1
0
−1
−2

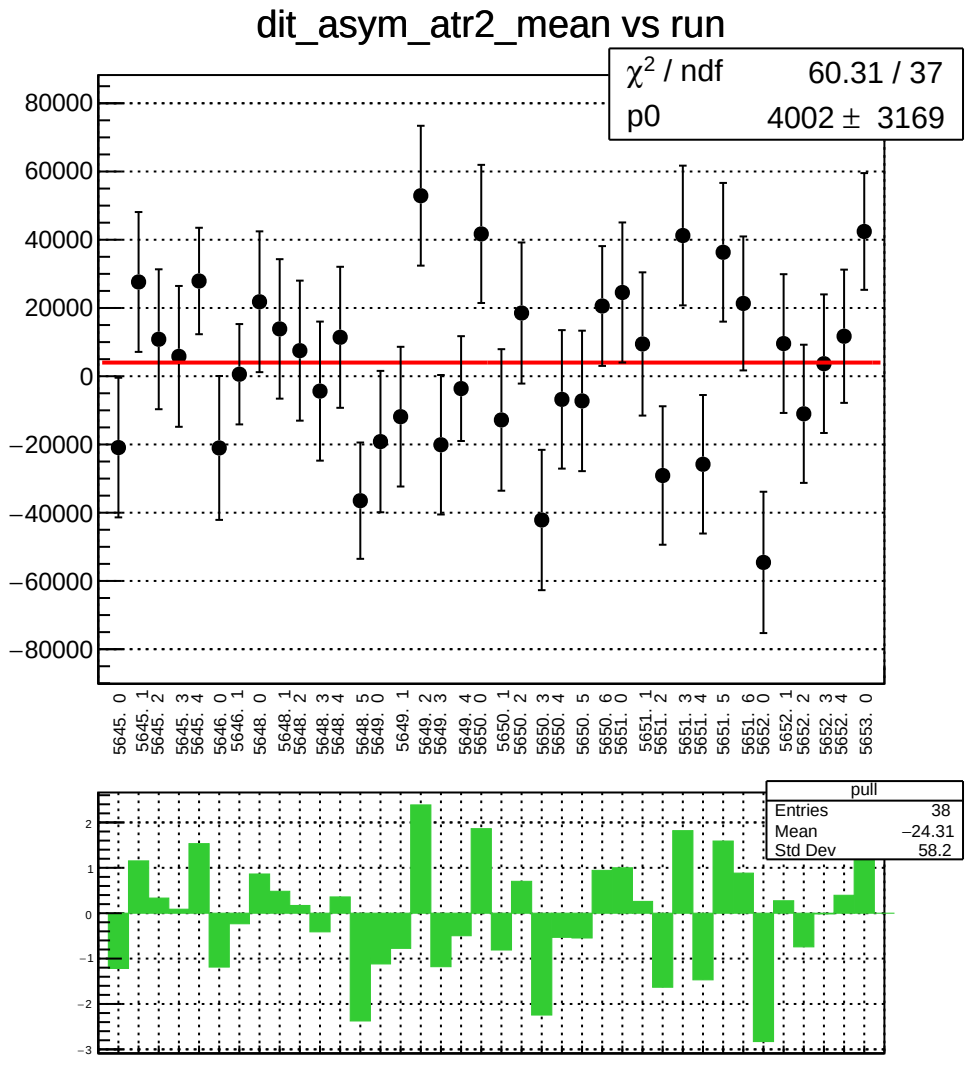

pull1D
Entries 38
Mean −0.04271
Std Dev 1.029
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

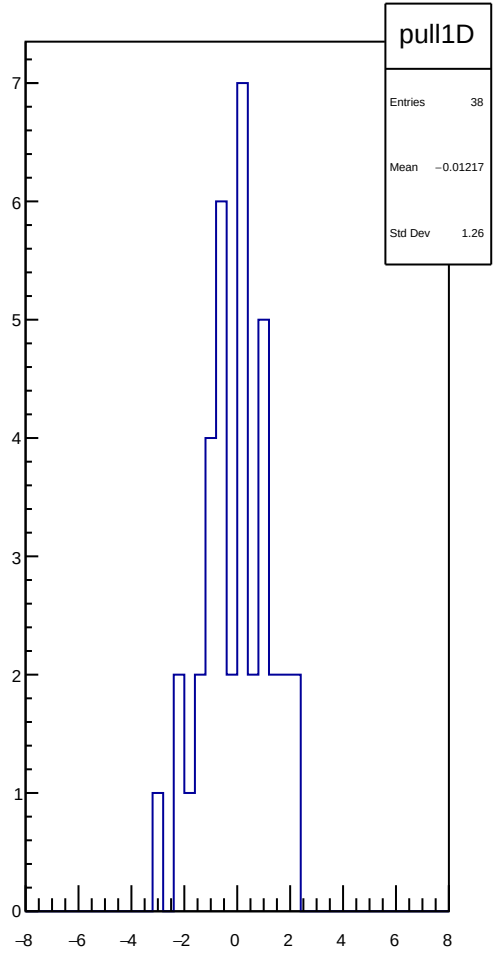

asym_atr1_correction_rms vs run
χ² / ndf 2344 / 37
p0 816.3 ± 0.9392
950
900
850
800
750
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

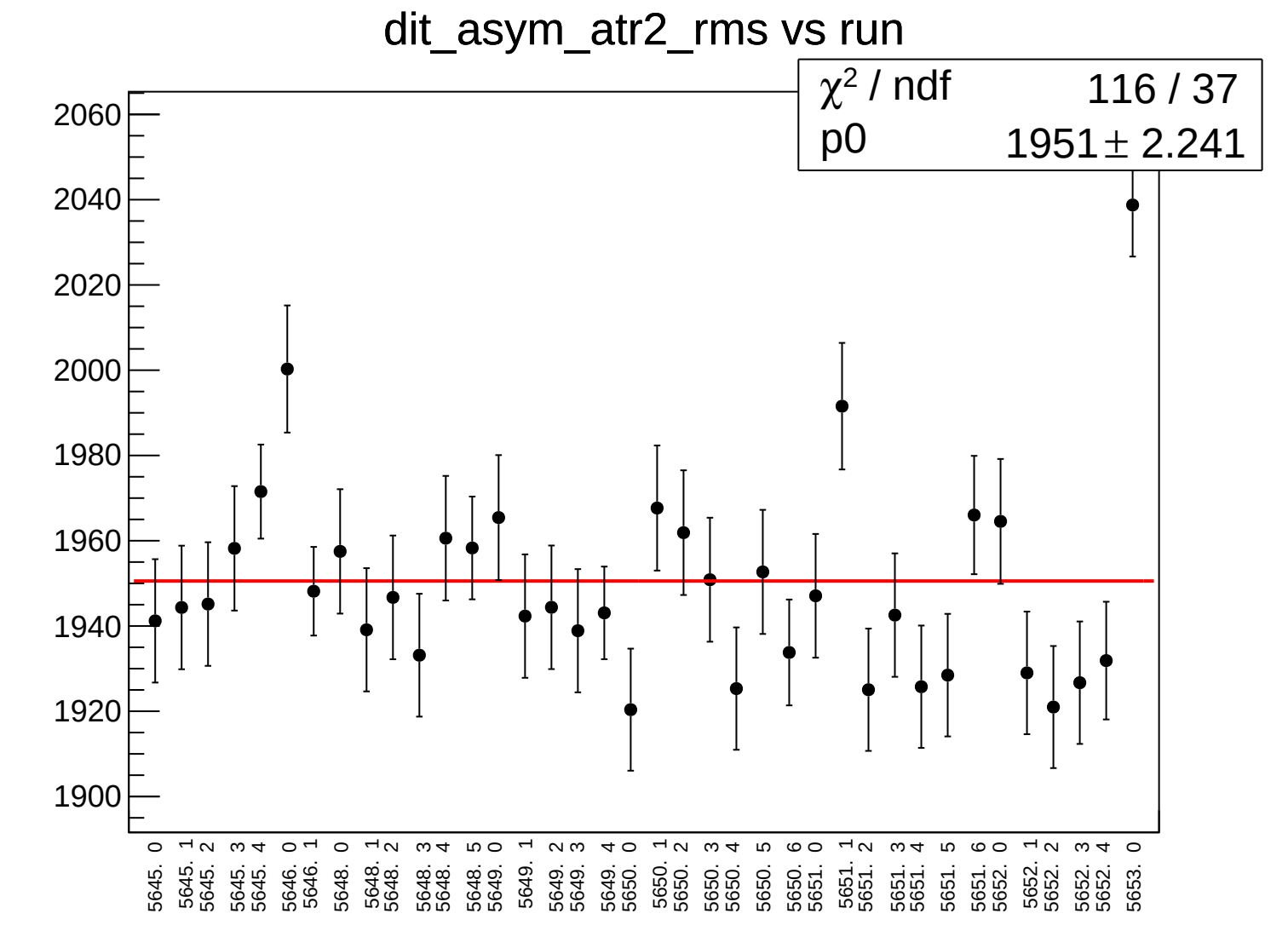

asym_atr1_mean vs run
×10^3
χ² / ndf 67.3 / 37
p0 −2670 ± 4695
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 53.36
Std Dev 10.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

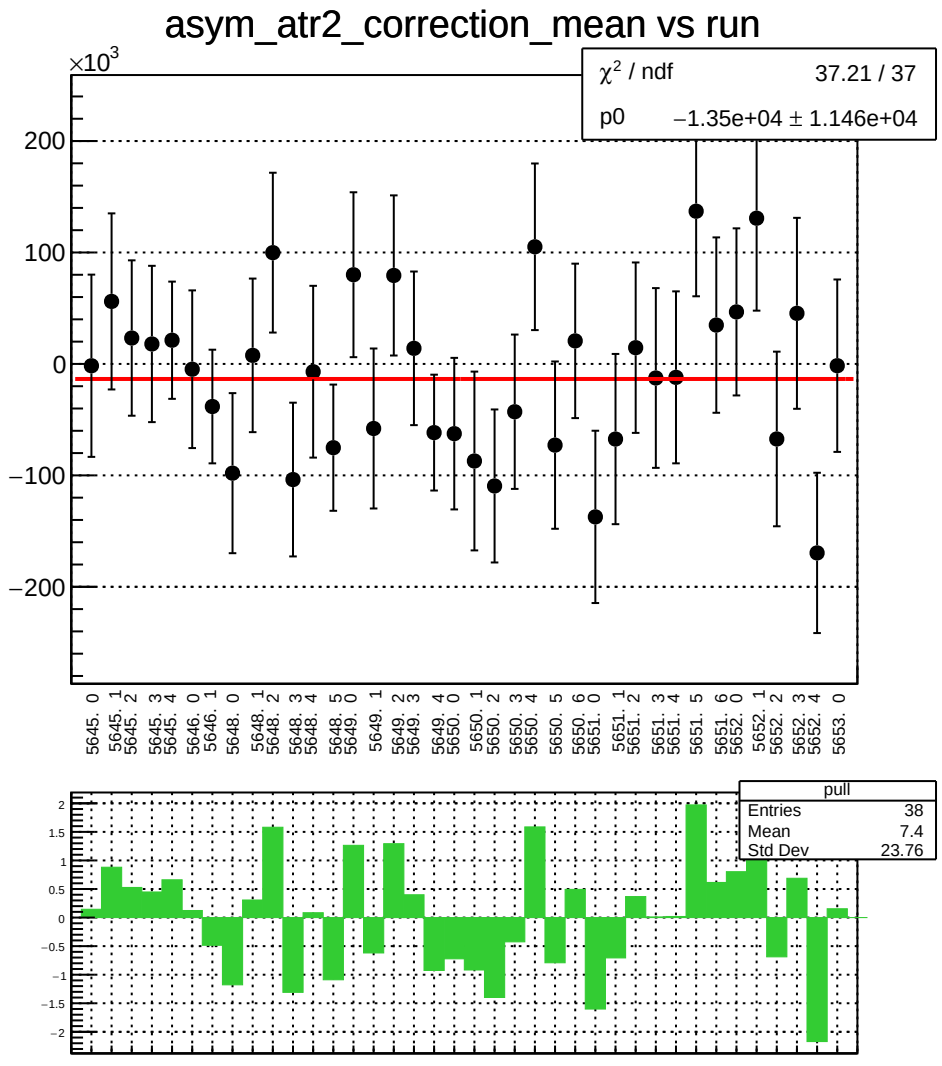

pull1D
Entries 38
Mean 0.0308
Std Dev 1.33
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

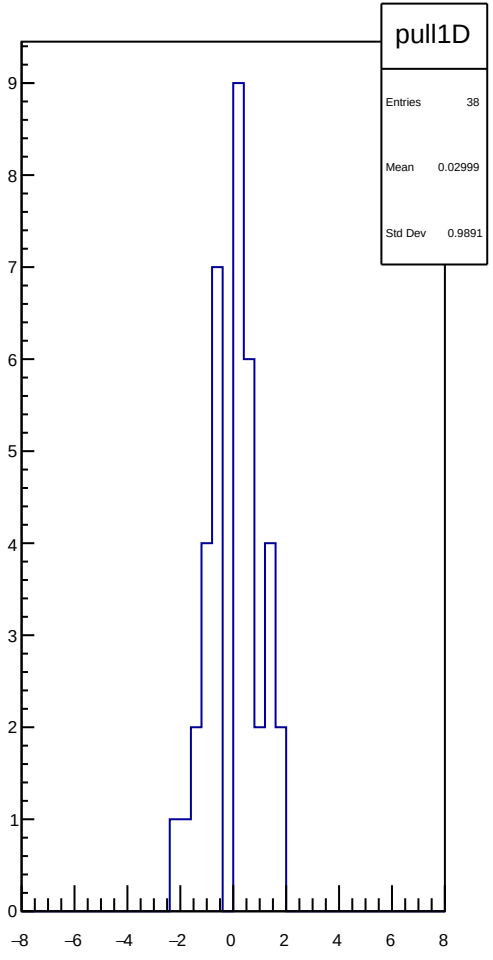

asym_atr1_rms vs run
χ² / ndf 69.36 / 37
p0 2890 ± 3.32
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

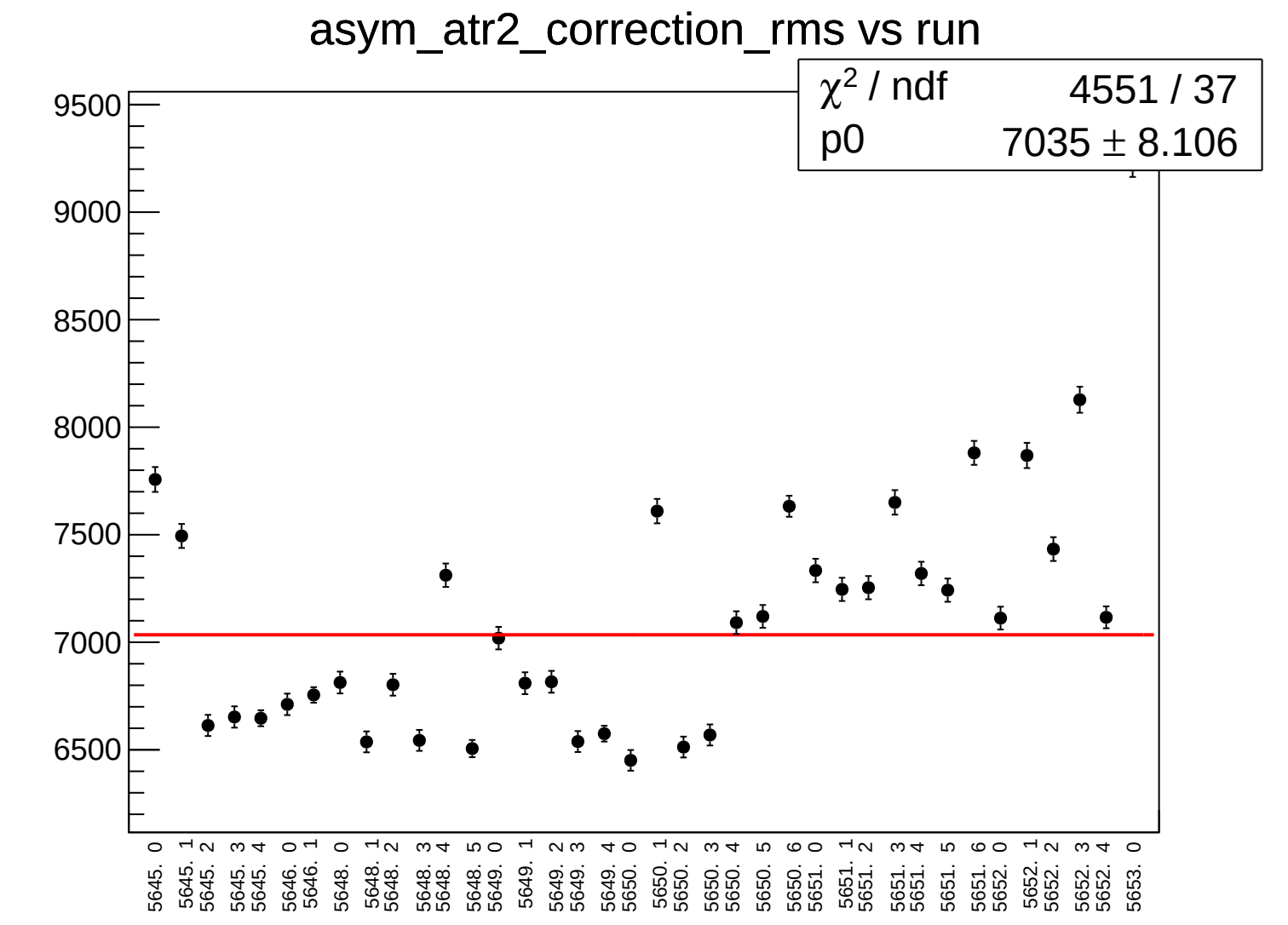

dit_asym_atr2_mean vs run
χ² / ndf 60.31 / 37
p0 4002 ± 3169
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −24.31
Std Dev 58.2
2
1
0
−1
−2
−3

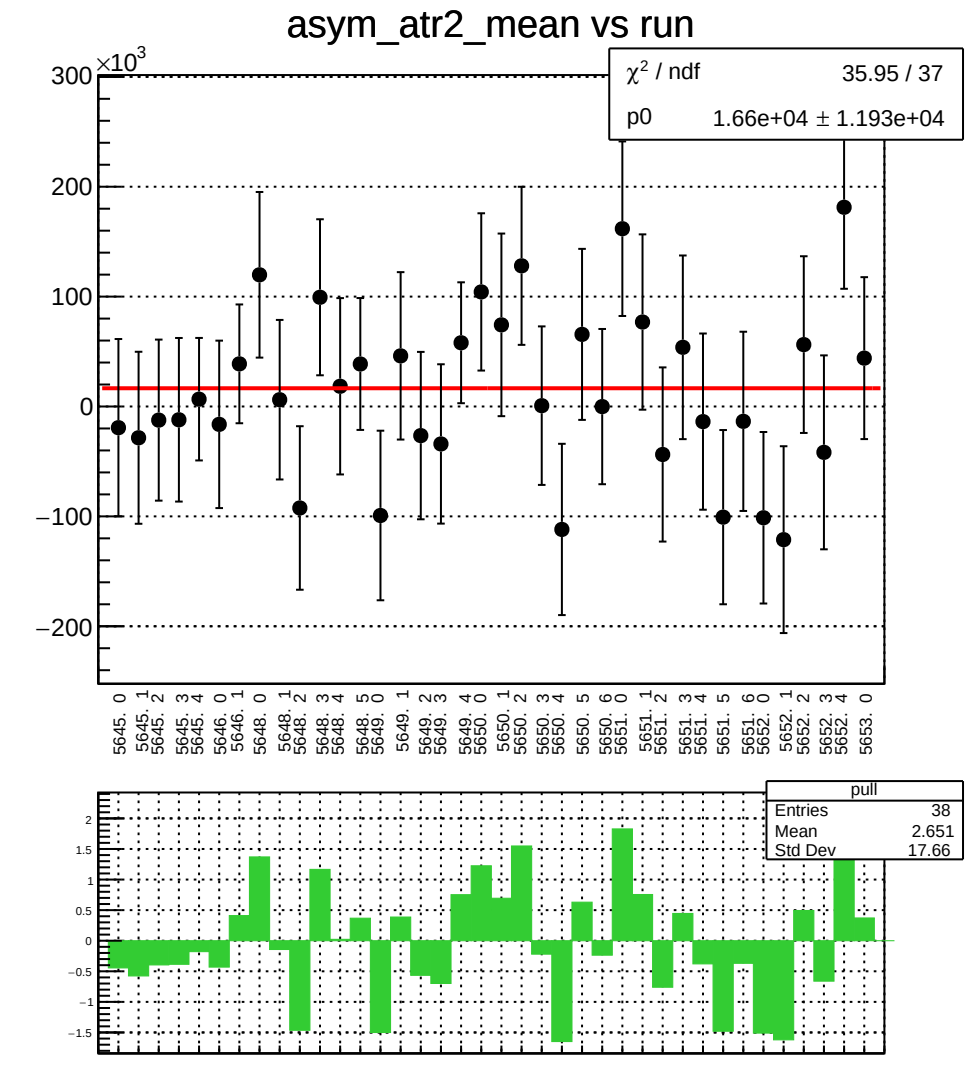

pull1D
Entries 38
Mean −0.01217
Std Dev 1.26
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

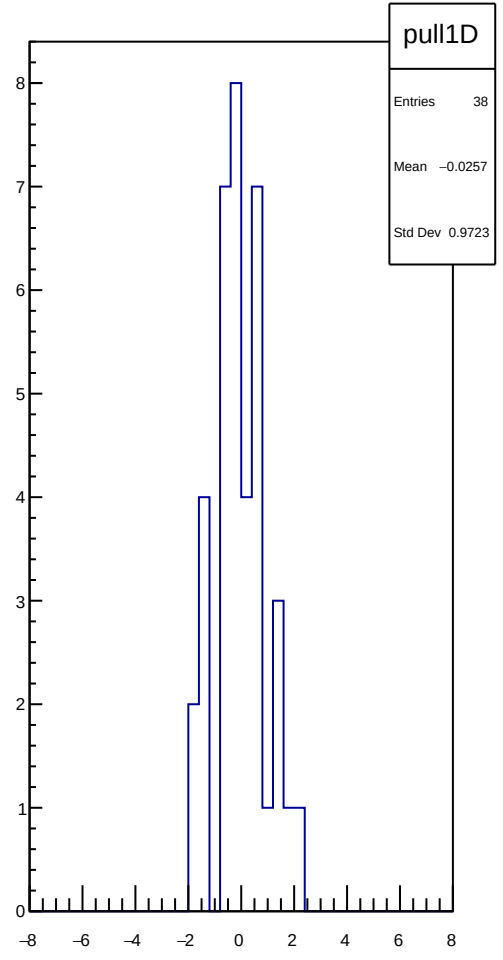

dit_asym_atr2_rms vs run
χ² / ndf 116 / 37
p0 1951 ± 2.241
2060
2040
2020
2000
1980
1960
1940
1920
1900
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

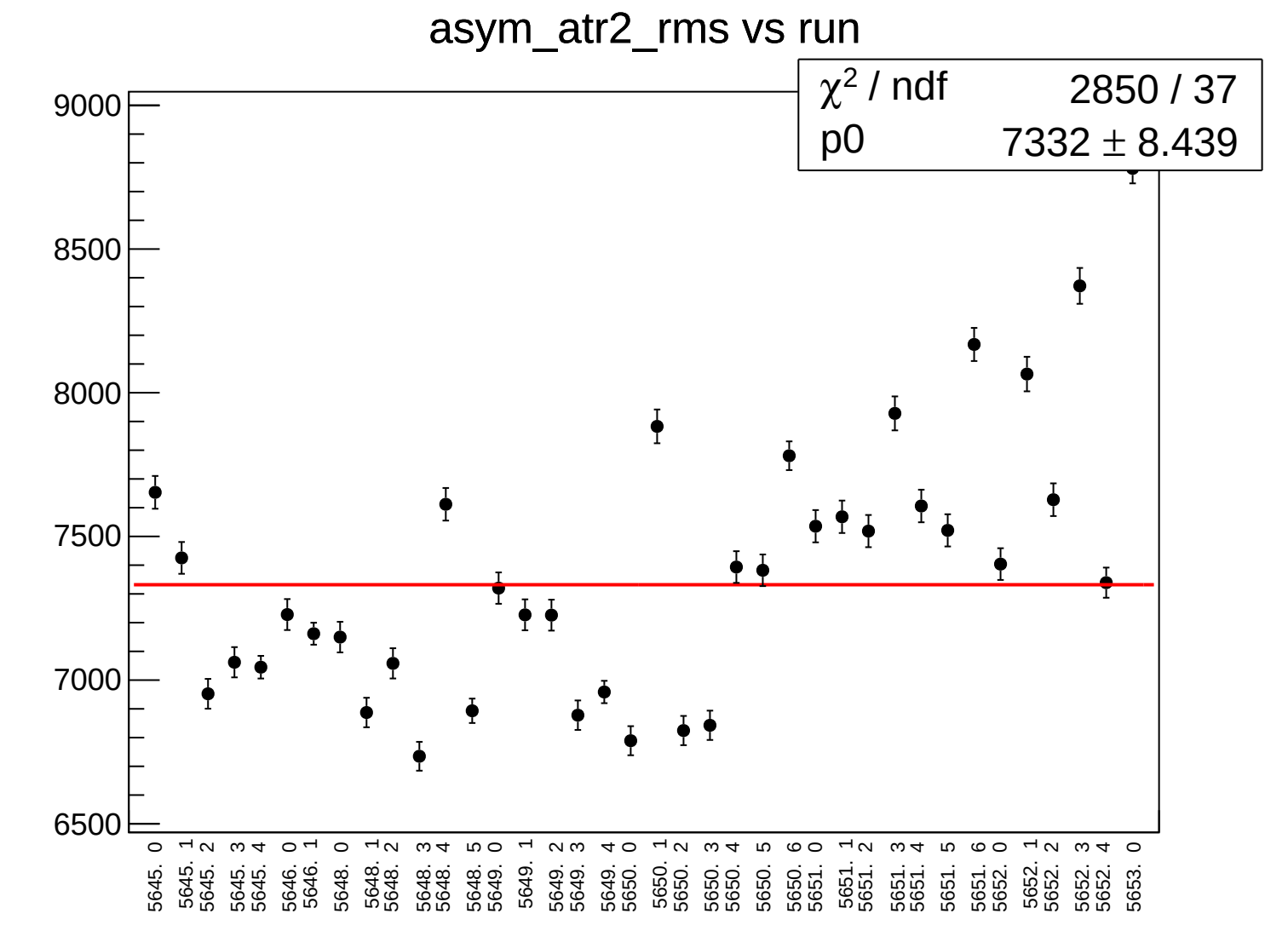

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 37.21 / 37
p0 −1.35e+04 ± 1.146e+04
200
100
0
−100
−200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 7.4
Std Dev 23.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

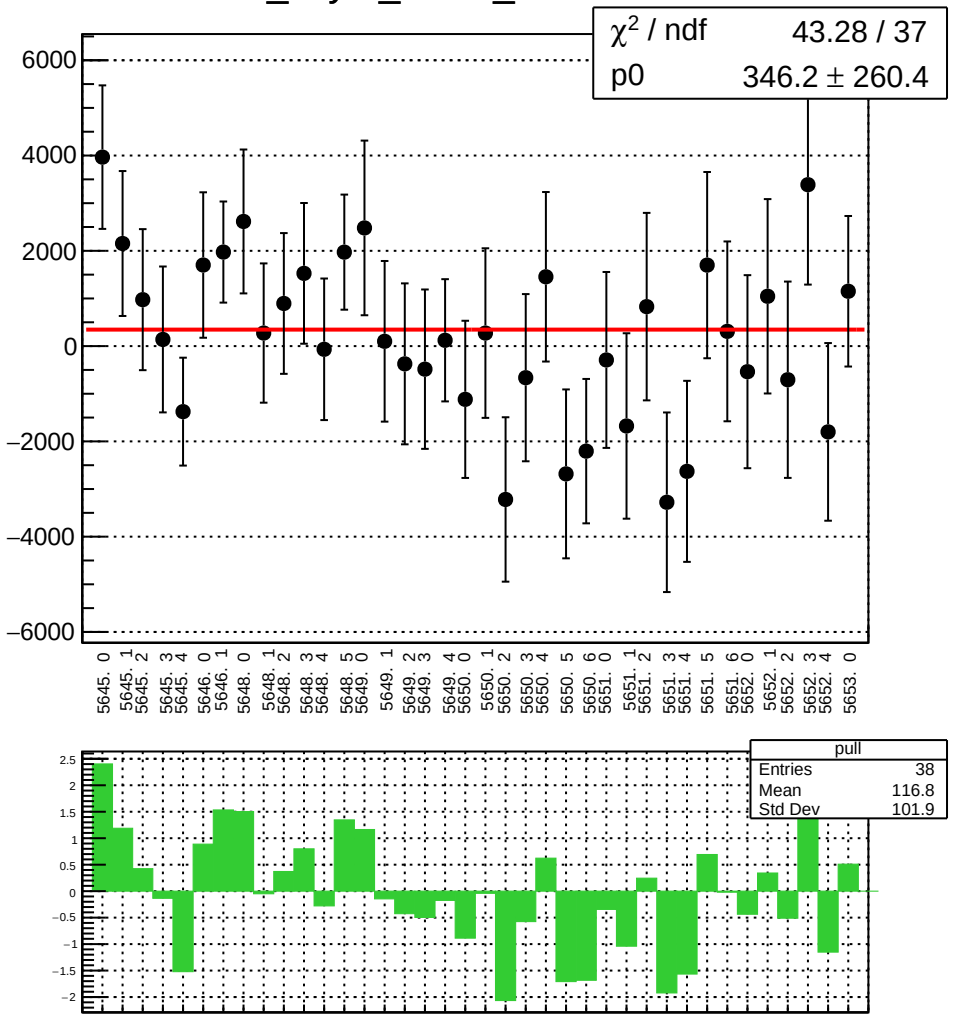

pull1D
Entries 38
Mean 0.02999
Std Dev 0.9891
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

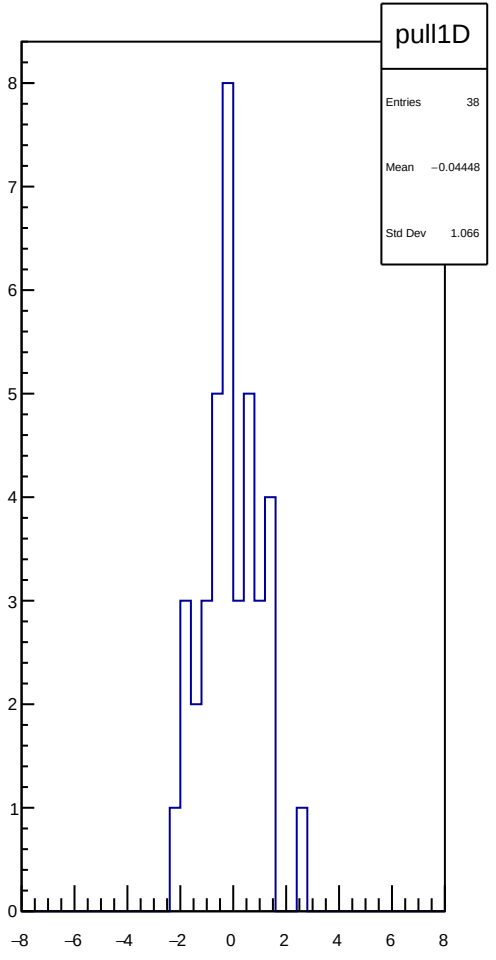

asym_atr2_correction_rms vs run
χ² / ndf 4551 / 37
p0 7035 ± 8.106
9500
9000
8500
8000
7500
7000
6500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

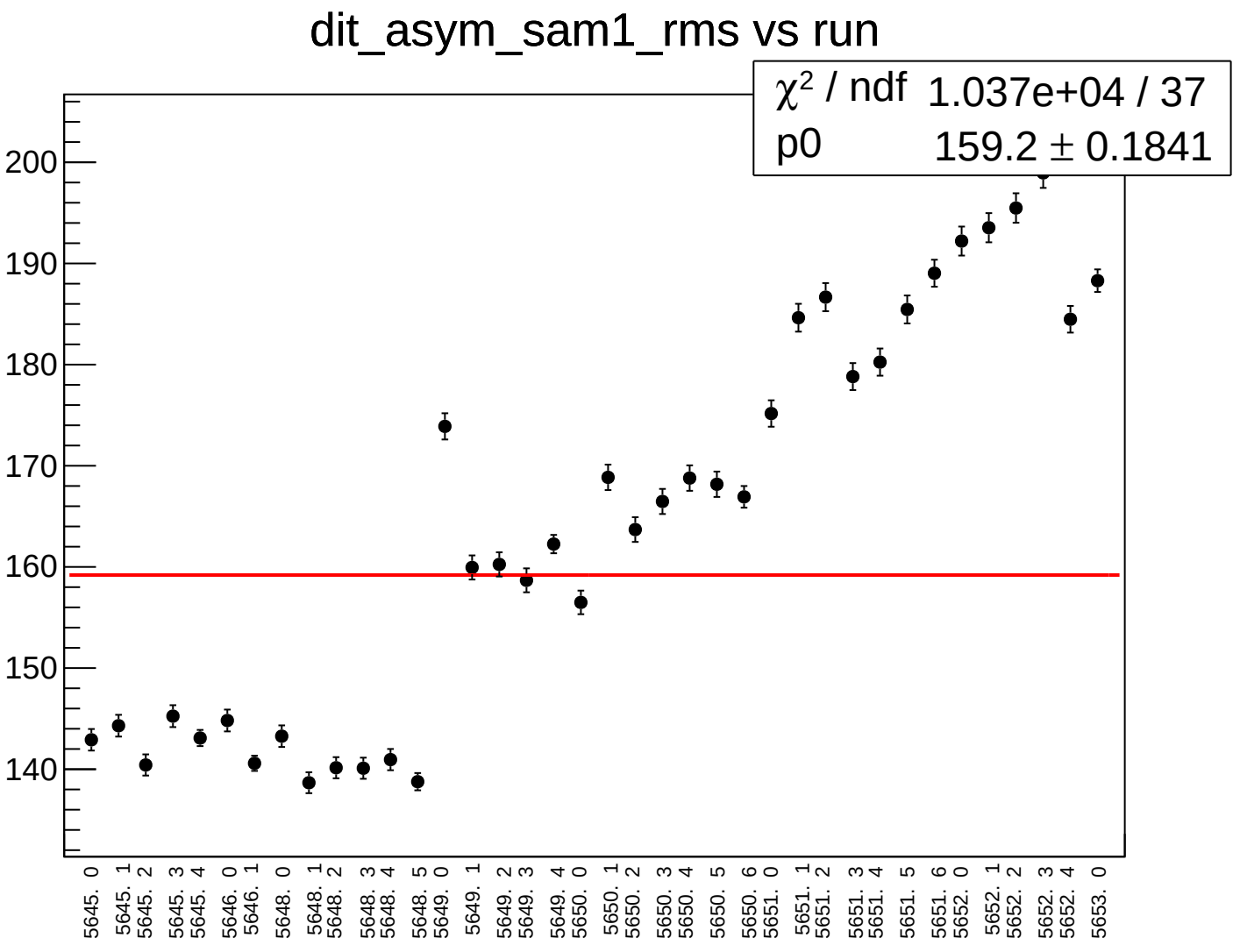

asym_atr2_mean vs run
×10^3
χ² / ndf 35.95 / 37
p0 1.66e+04 ± 1.193e+04
pull
Entries 38
Mean 2.651
Std Dev 17.66

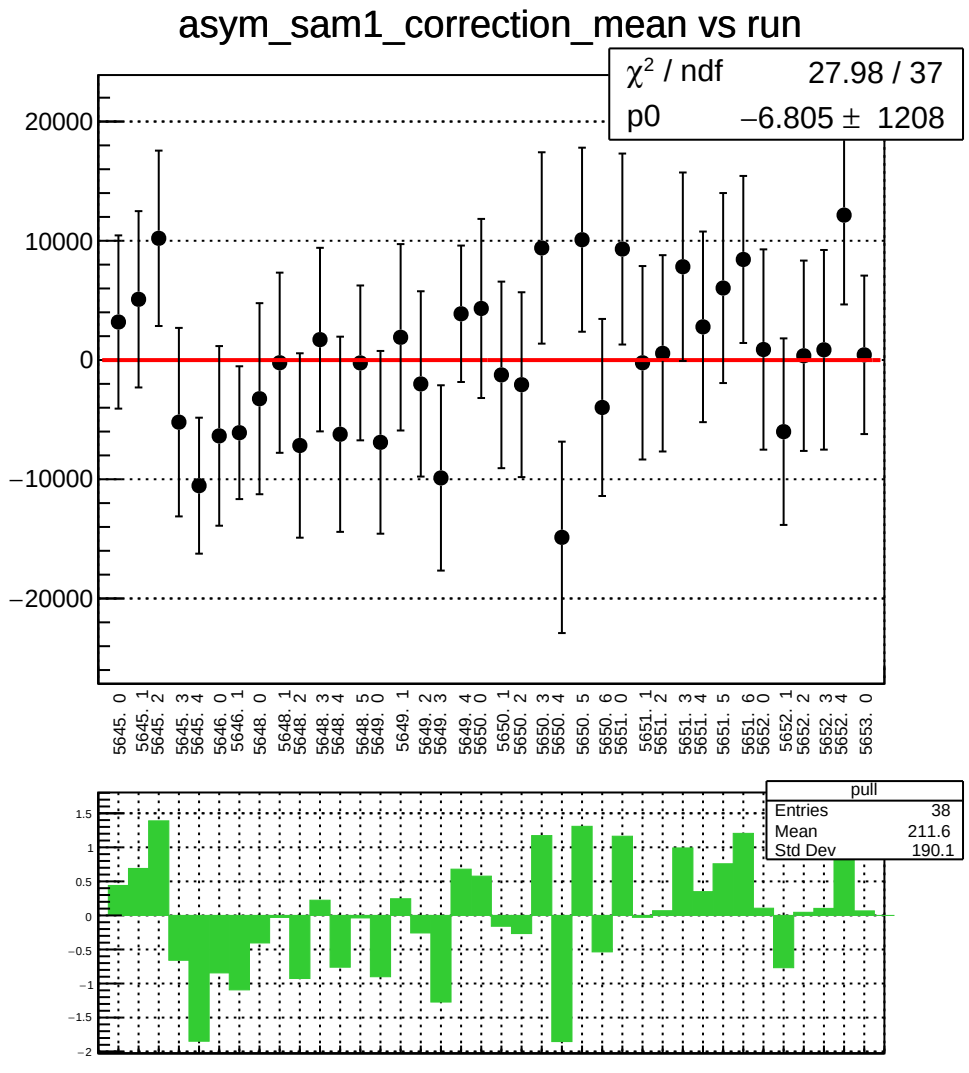

pull1D
Entries 38
Mean −0.0257
Std Dev 0.9723

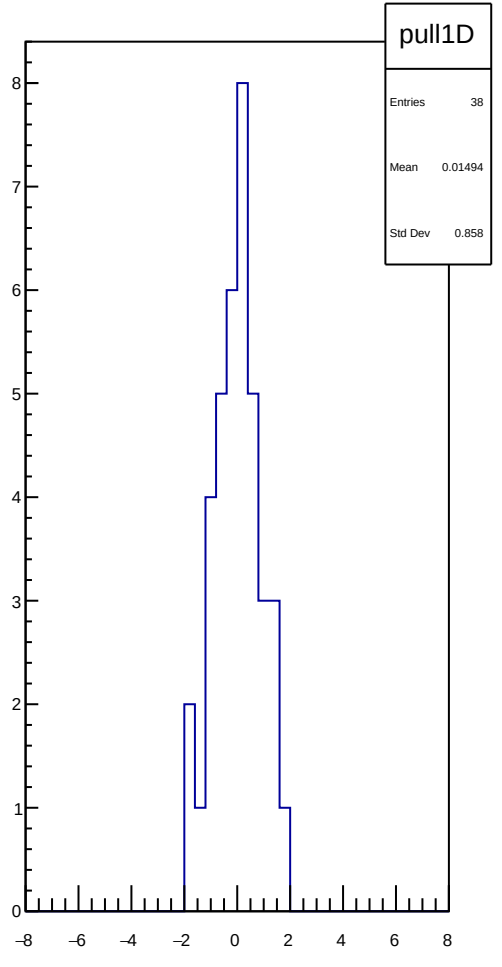

asym_atr2_rms vs run
χ² / ndf 2850 / 37
p0 7332 ± 8.439
9000
8500
8000
7500
7000
6500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

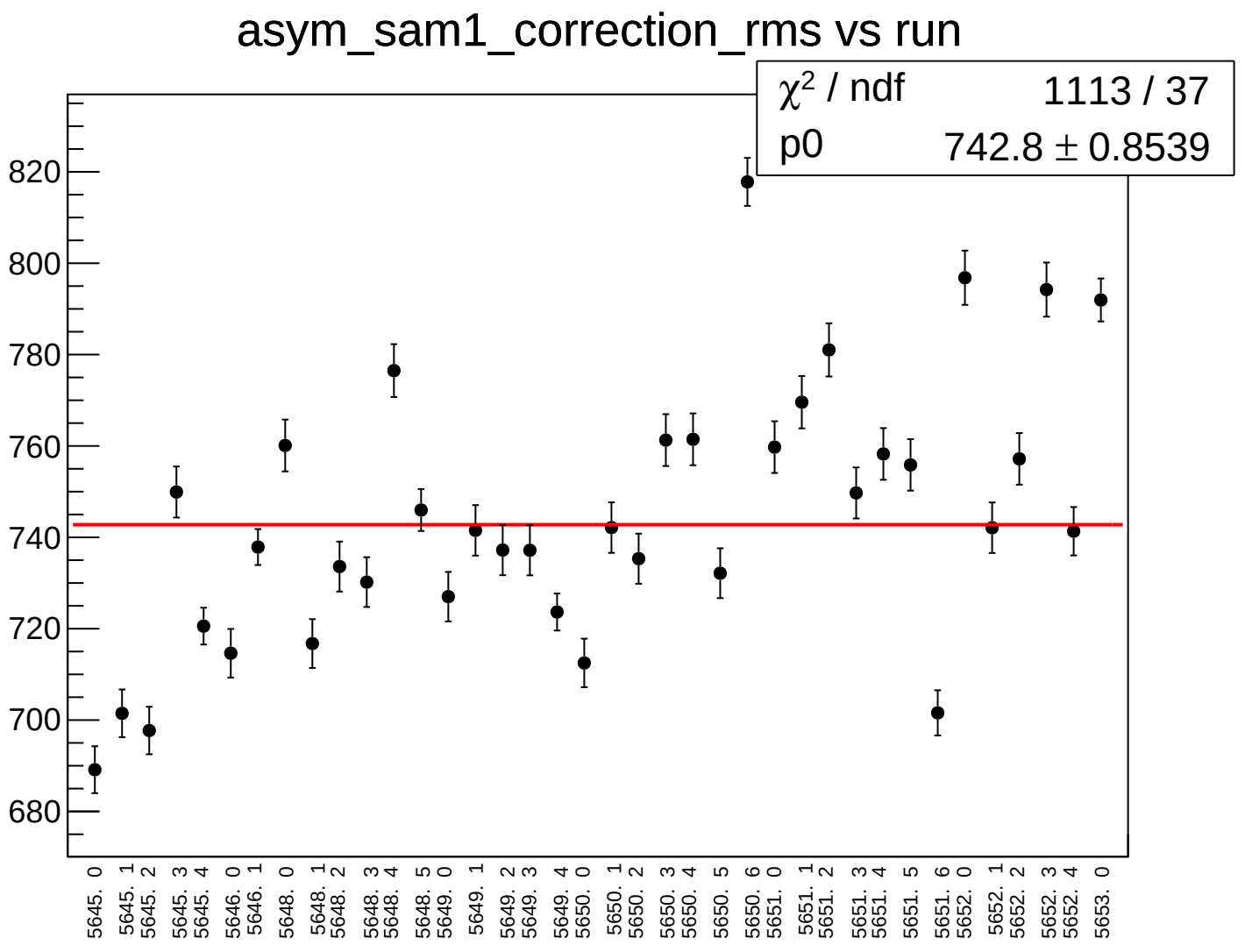

dit_asym_sam1_mean vs run
χ² / ndf 43.28 / 37
p0 346.2 ± 260.4
6000
4000
2000
0
−2000
−4000
−6000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 116.8
Std Dev 101.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

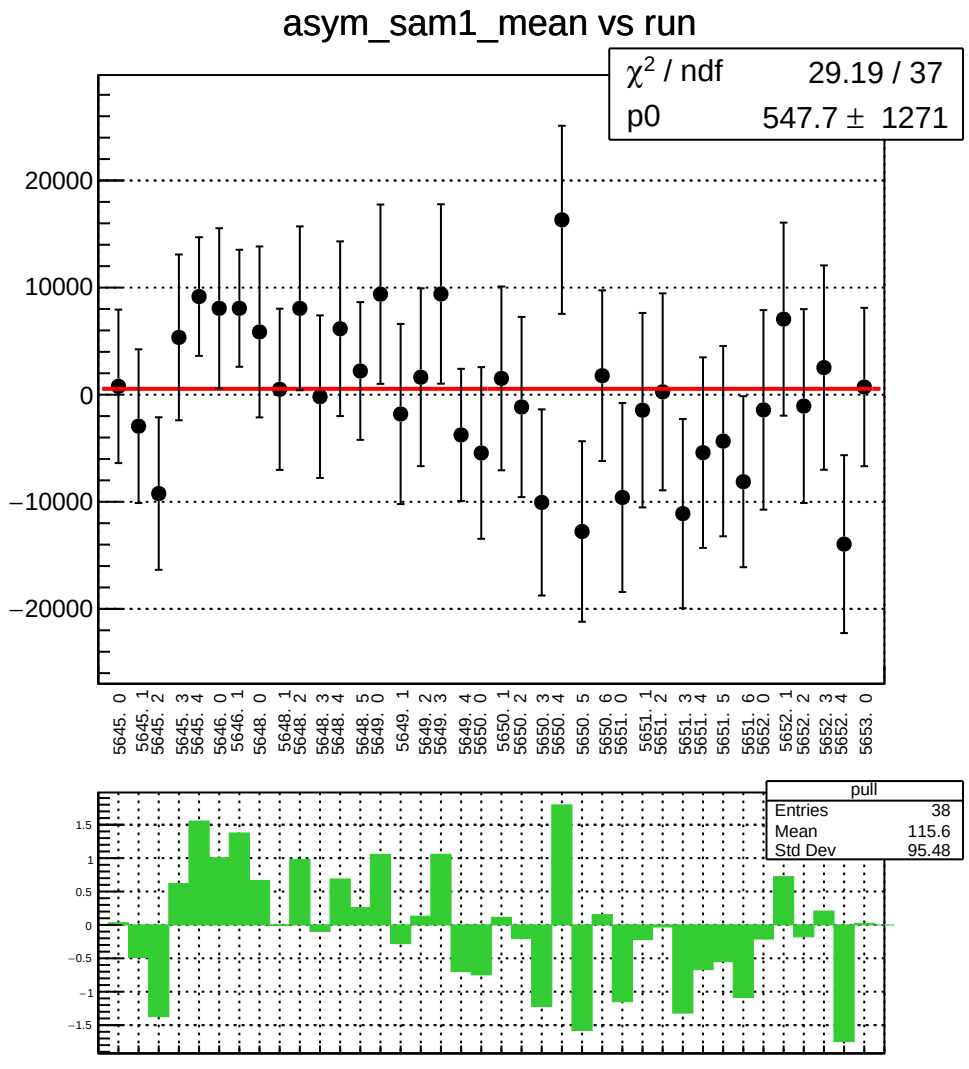

pull1D
Entries 38
Mean −0.04448
Std Dev 1.066
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

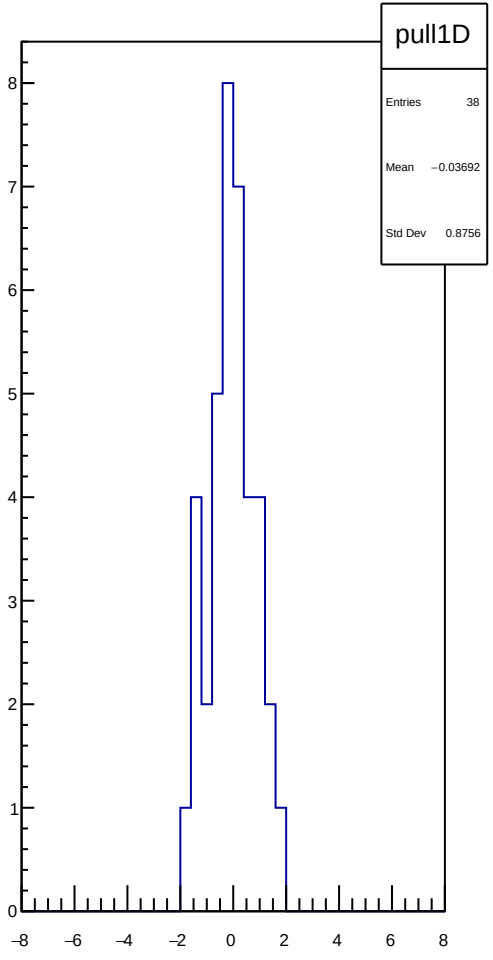

dit_asym_sam1_rms vs run
χ² / ndf 1.037e+04 / 37
p0 159.2 ± 0.1841
200
190
180
170
160
150
140
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

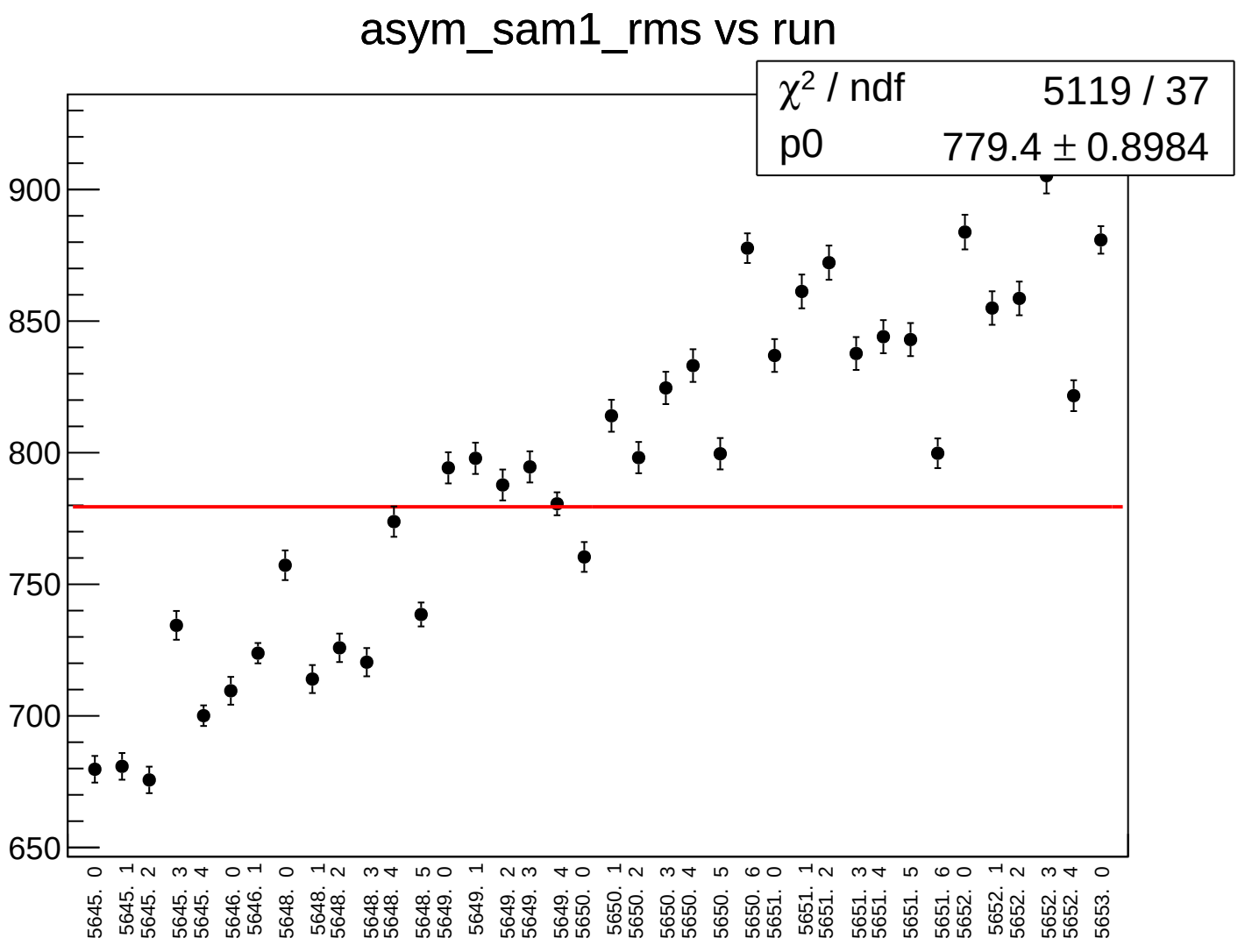

asym_sam1_correction_mean vs run
χ² / ndf 27.98 / 37
p0 −6.805 ± 1208
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 211.6
Std Dev 190.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

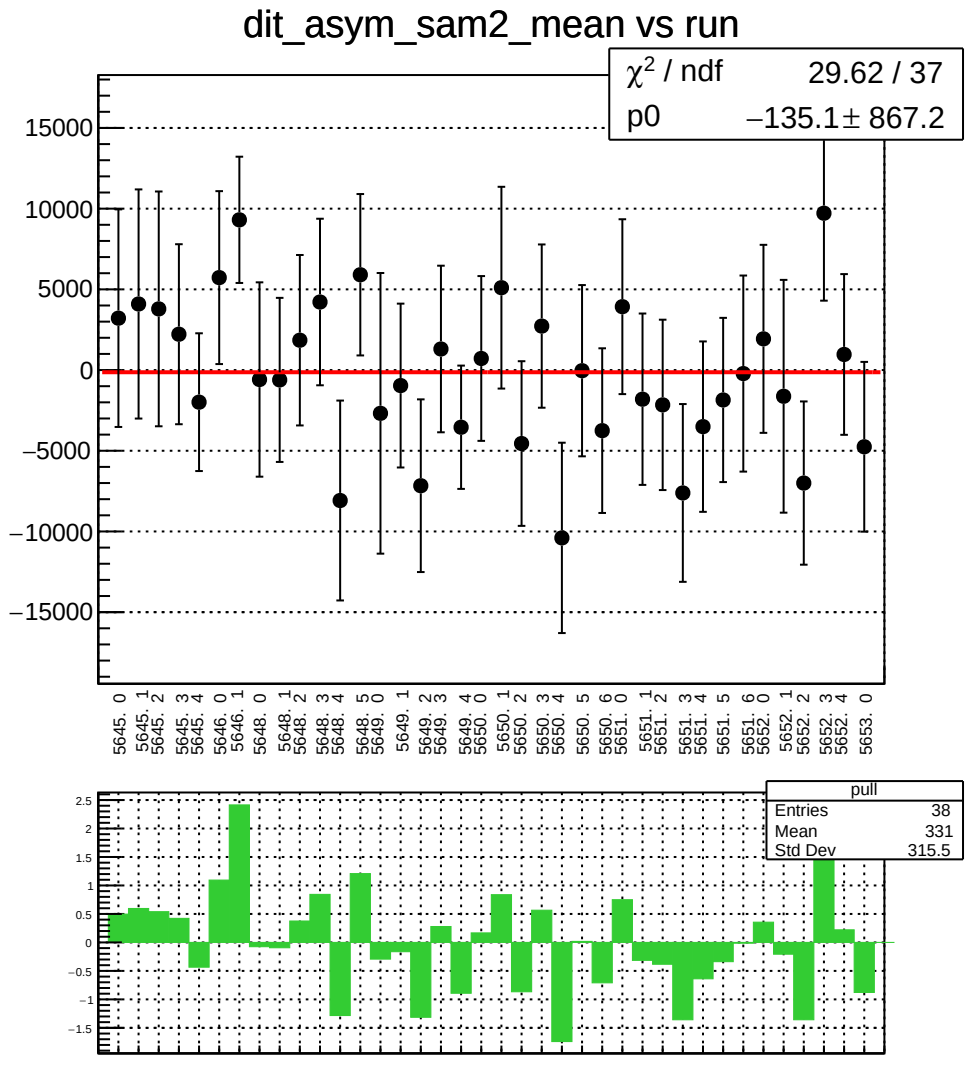

pull1D
Entries 38
Mean 0.01494
Std Dev 0.858
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

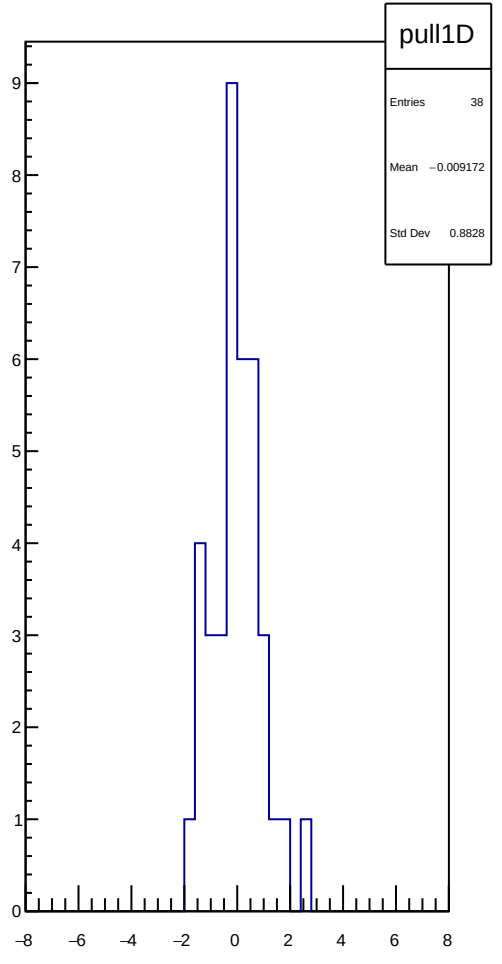

asym_sam1_correction_rms vs run
χ² / ndf 1113 / 37
p0 742.8 ± 0.8539
820
800
780
760
740
720
700
680
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

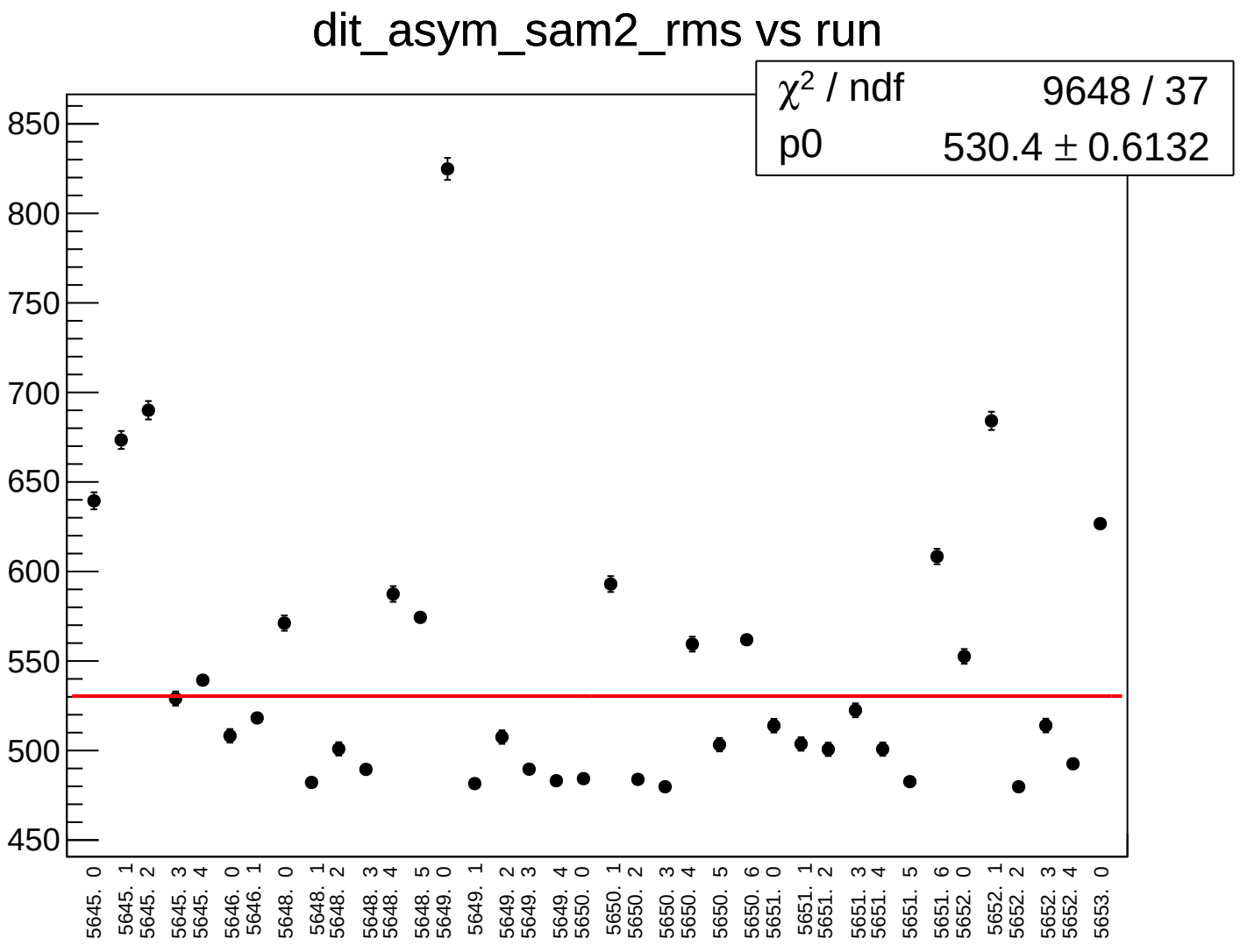

asym_sam1_mean vs run
χ² / ndf 29.19 / 37
p0 547.7 ± 1271
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 115.6
Std Dev 95.48
1.5
1
0.5
0
−0.5
−1
−1.5

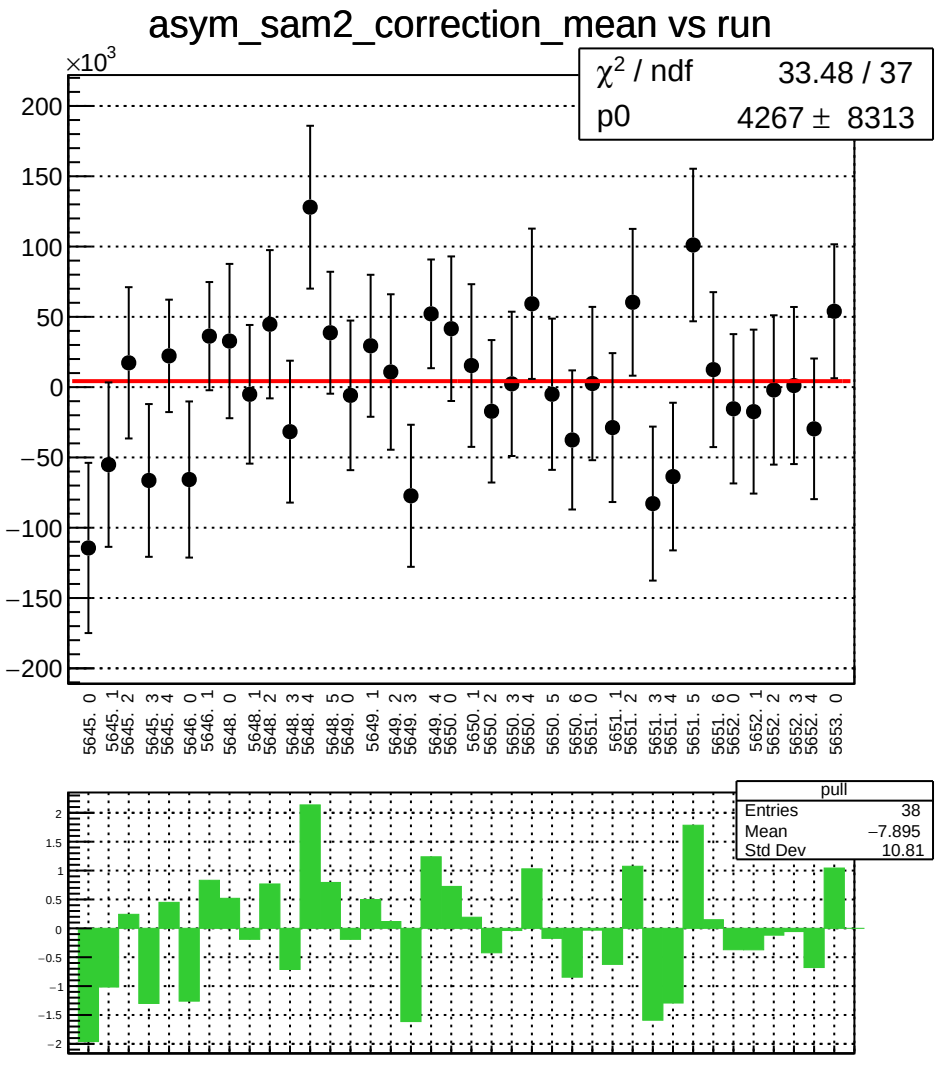

pull1D
Entries 38
Mean −0.03692
Std Dev 0.8756
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

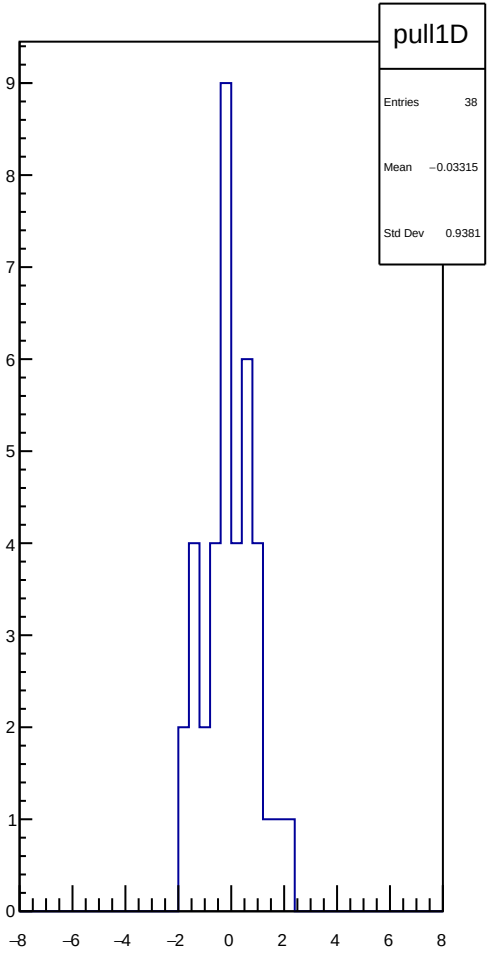

asym_sam1_rms vs run
χ² / ndf 5119 / 37
p0 779.4 ± 0.8984
900
850
800
750
700
650
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

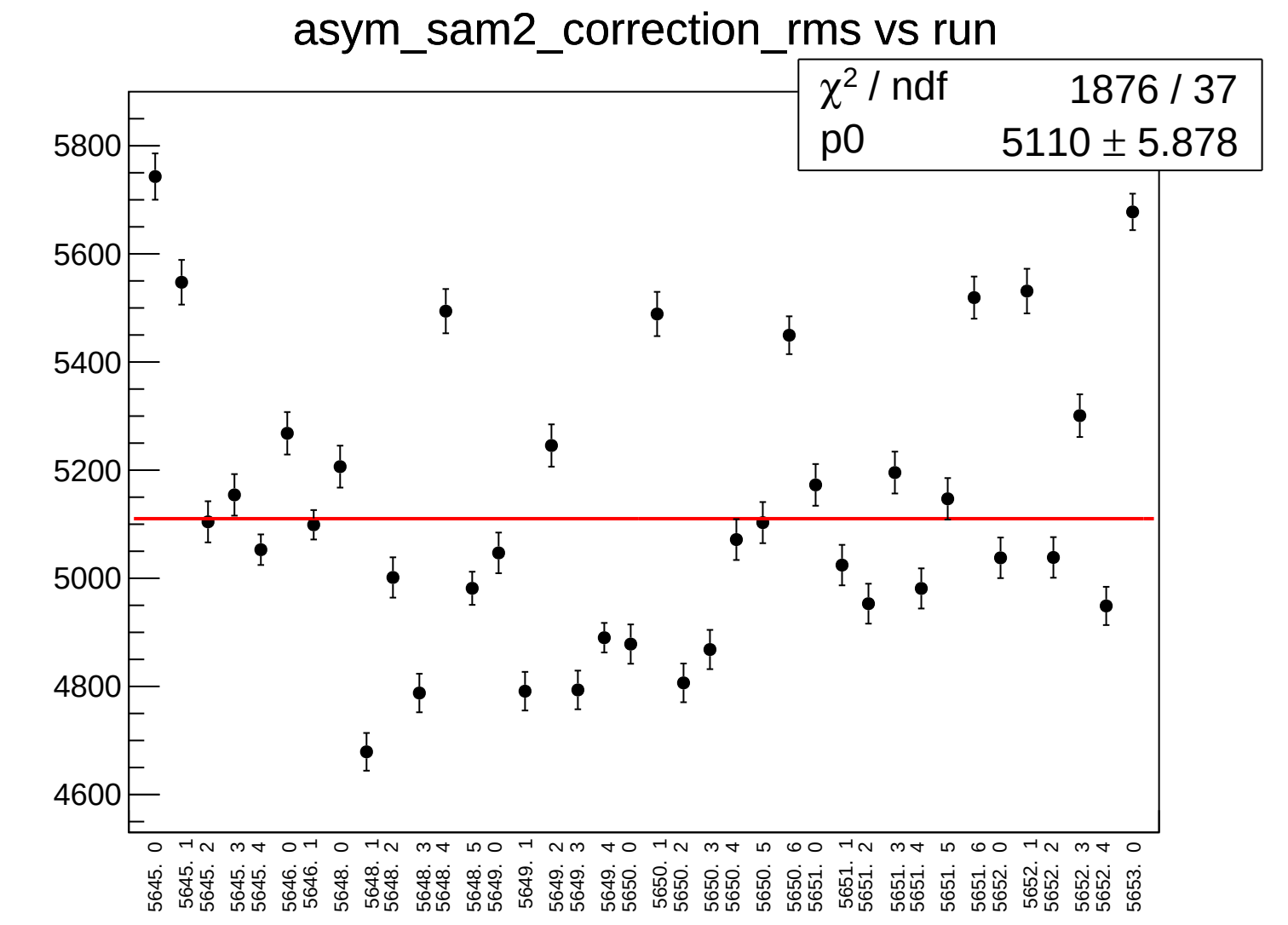

dit_asym_sam2_mean vs run
χ² / ndf 29.62 / 37
p0 −135.1± 867.2
15000
10000
5000
0
−5000
−10000
−15000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 331
Std Dev 315.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

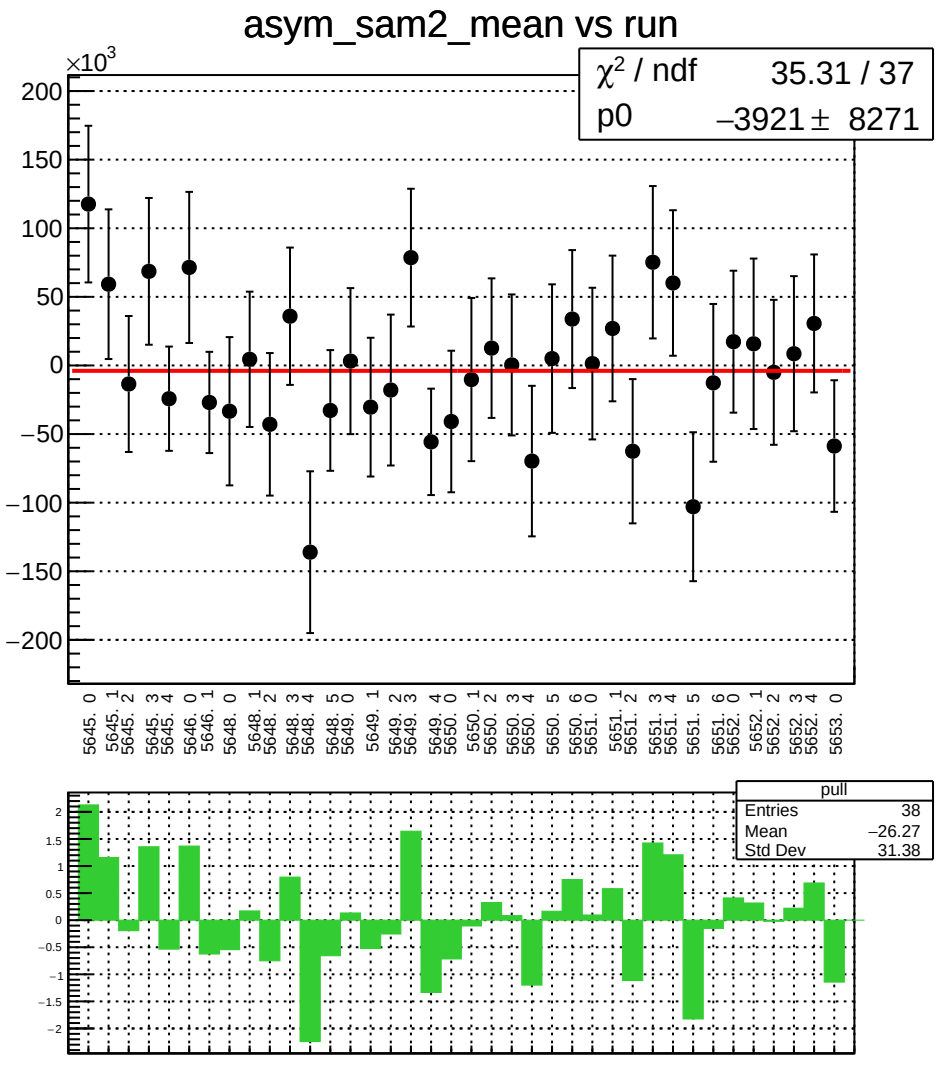

pull1D
Entries 38
Mean −0.009172
Std Dev 0.8828
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

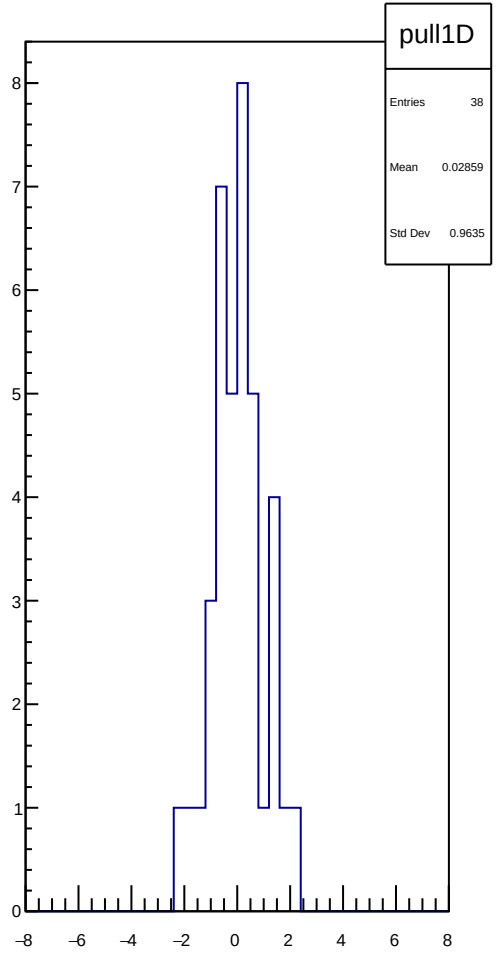

dit_asym_sam2_rms vs run
χ² / ndf 9648 / 37
p0 530.4 ± 0.6132
850
800
750
700
650
600
550
500
450
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

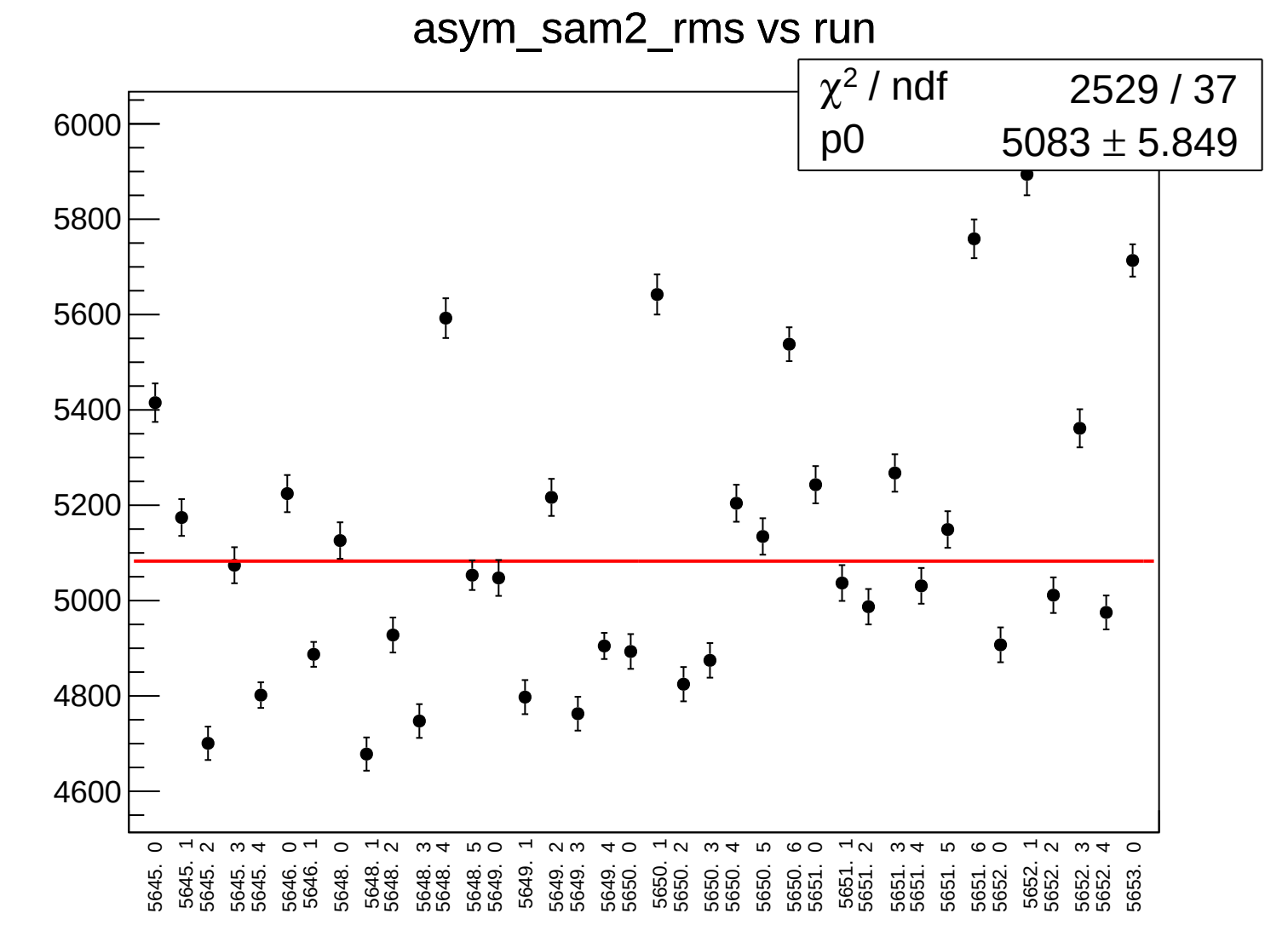

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 33.48 / 37
p0 4267 ± 8313
200
150
100
50
0
−50
−100
−150
−200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −7.895
Std Dev 10.81
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

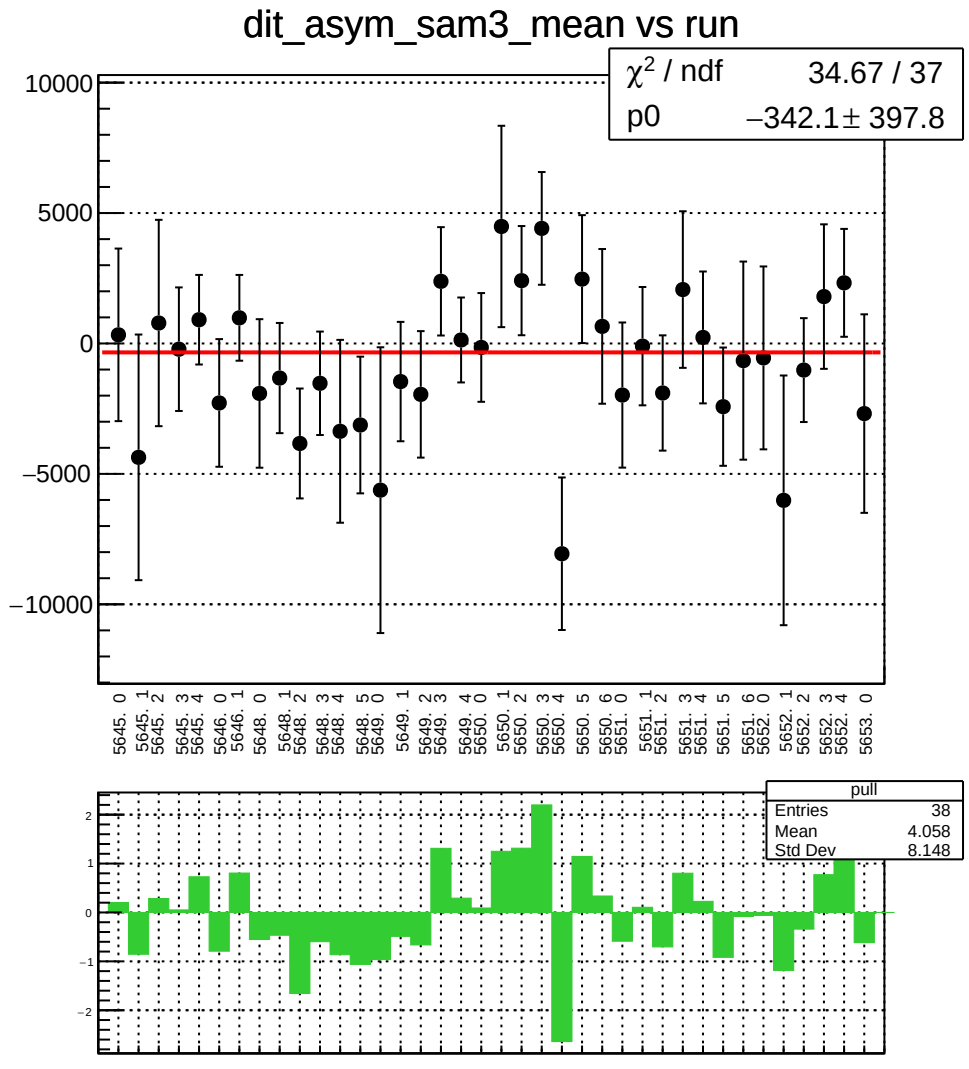

pull1D
Entries 38
Mean −0.03315
Std Dev 0.9381
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

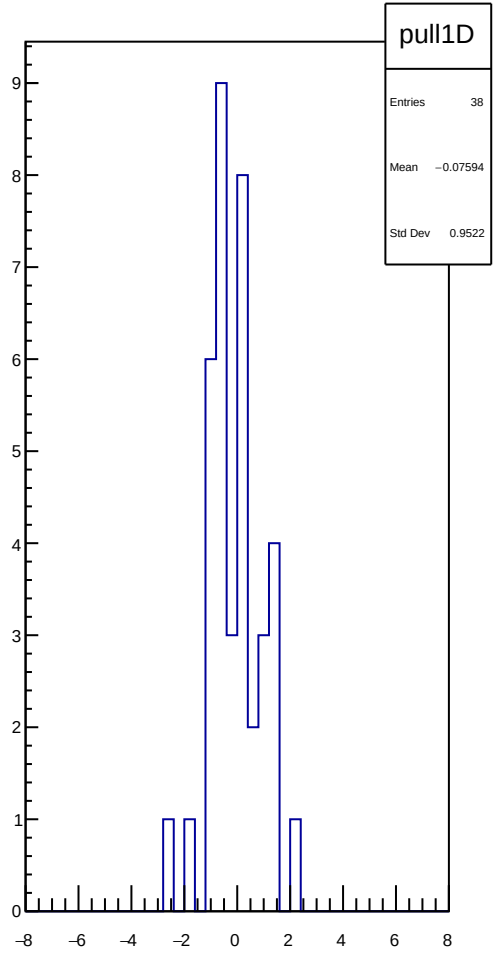

asym_sam2_correction_rms vs run
χ² / ndf 1876 / 37
p0 5110 ± 5.878
5800
5600
5400
5200
5000
4800
4600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

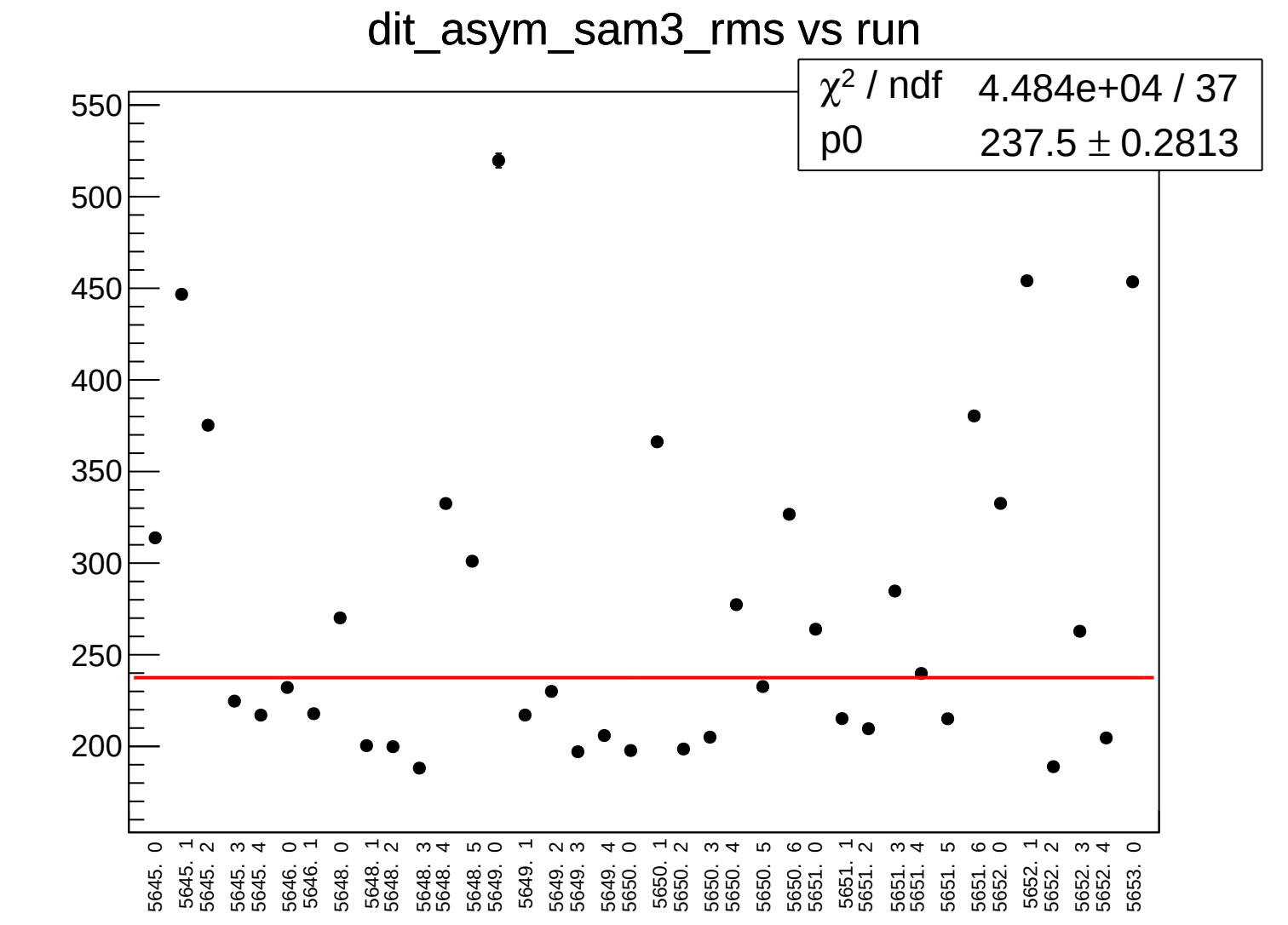

asym_sam2_mean vs run
×10^3
χ^2 / ndf 35.31 / 37
p0 −3921 ± 8271
200
150
100
50
0
−50
−100
−150
−200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −26.27
Std Dev 31.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

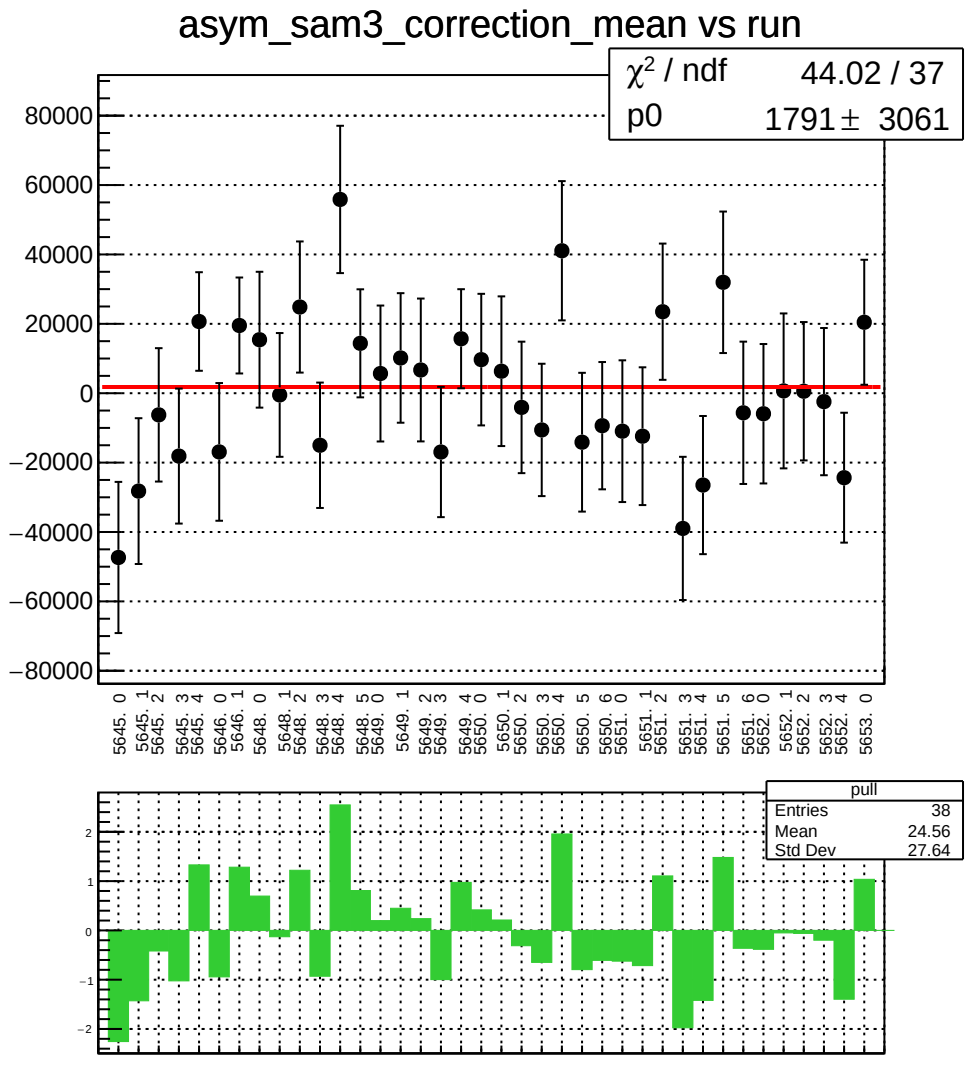

pull1D
Entries 38
Mean 0.02859
Std Dev 0.9635
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

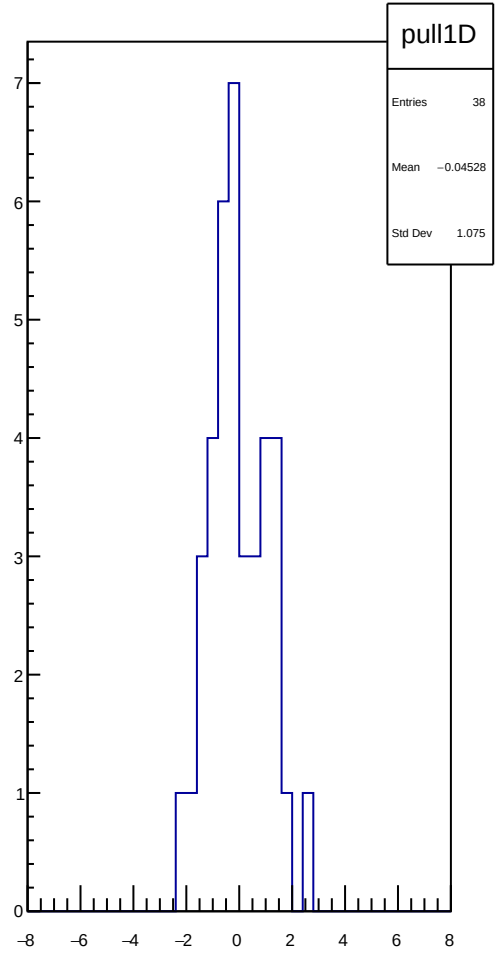

asym_sam2_rms vs run
χ² / ndf 2529 / 37
p0 5083 ± 5.849
6000
5800
5600
5400
5200
5000
4800
4600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

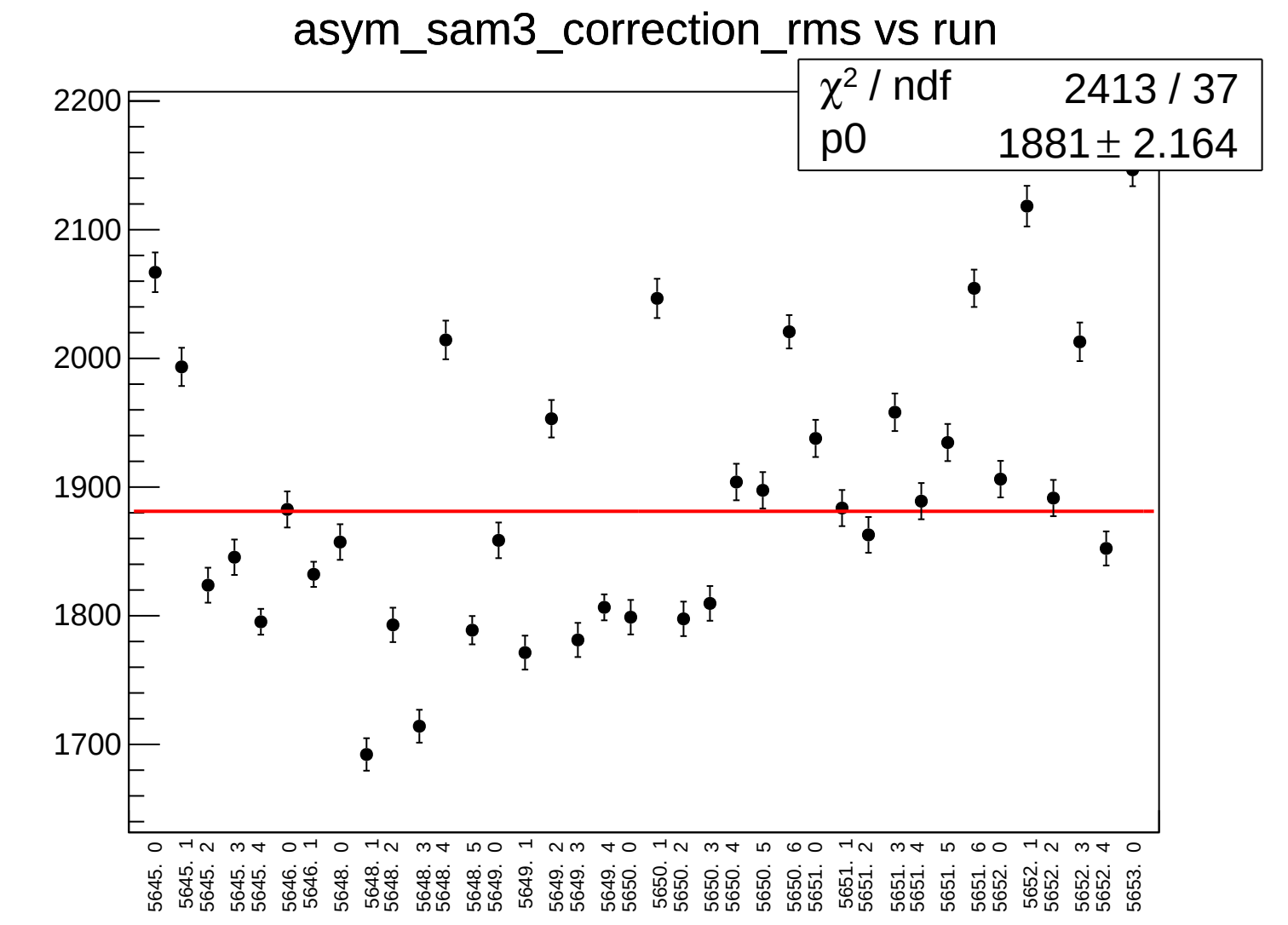

dit_asym_sam3_mean vs run
χ² / ndf 34.67 / 37
p0 −342.1± 397.8
10000
5000
0
−5000
−10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 4.058
Std Dev 8.148
2
1
0
−1
−2

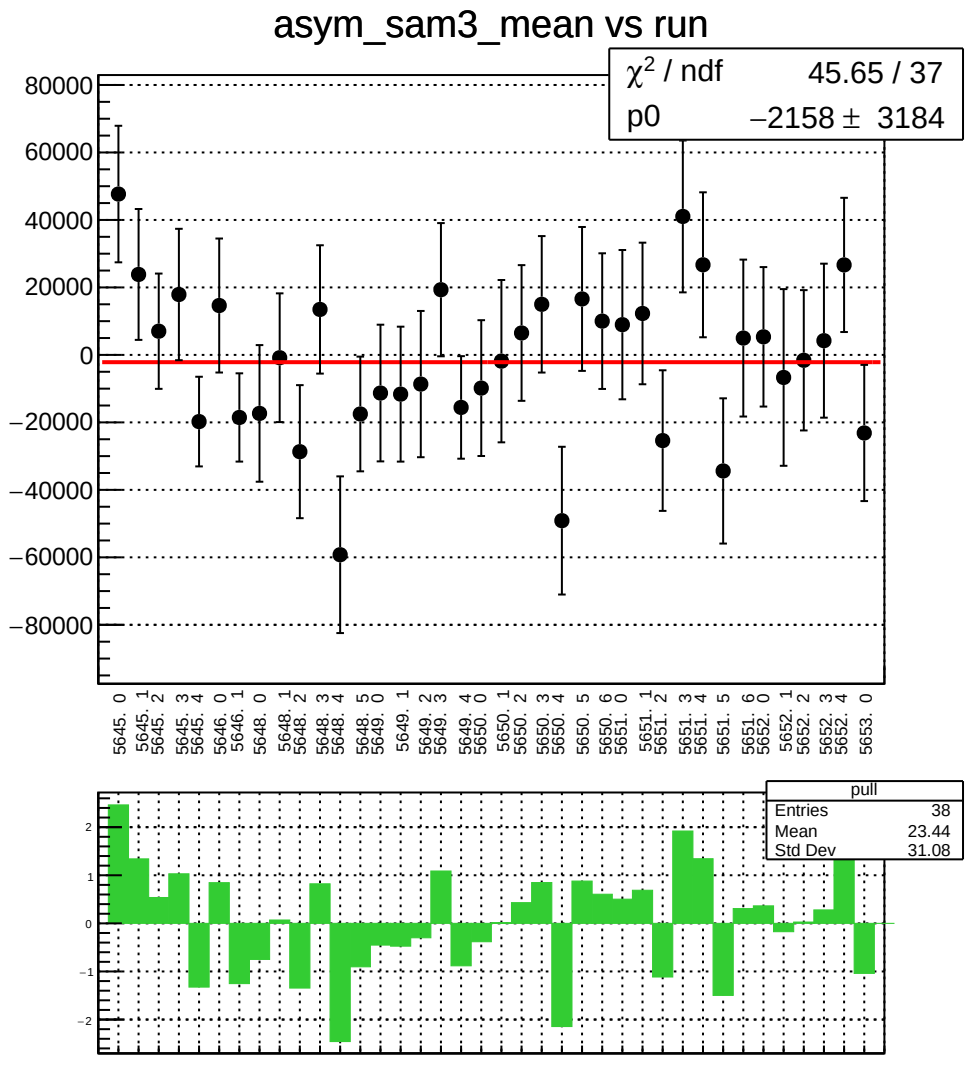

pull1D
Entries 38
Mean −0.07594
Std Dev 0.9522
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

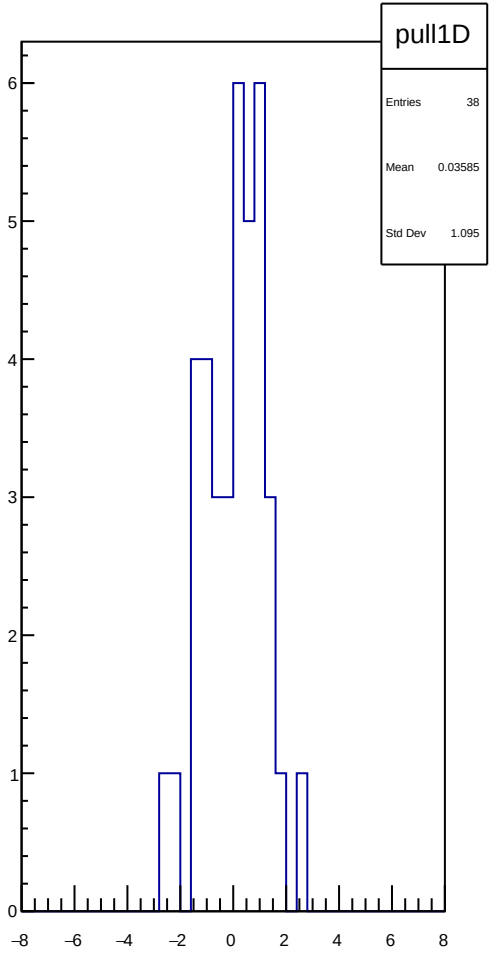

dit_asym_sam3_rms vs run
χ² / ndf 4.484e+04 / 37
p0 237.5 ± 0.2813
550
500
450
400
350
300
250
200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

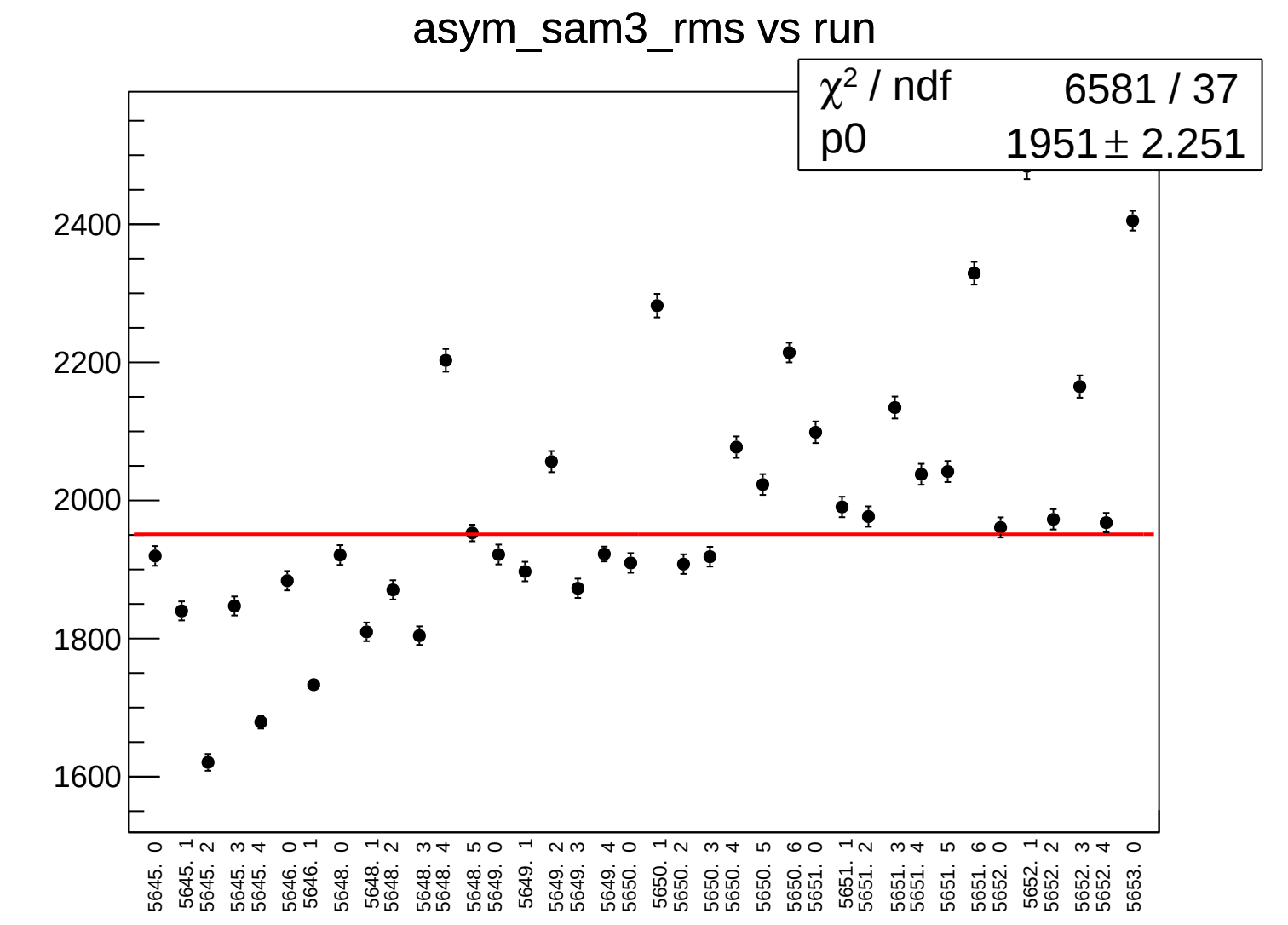

asym_sam3_correction_mean vs run
χ² / ndf 44.02 / 37
p0 1791 ± 3061
pull
Entries 38
Mean 24.56
Std Dev 27.64

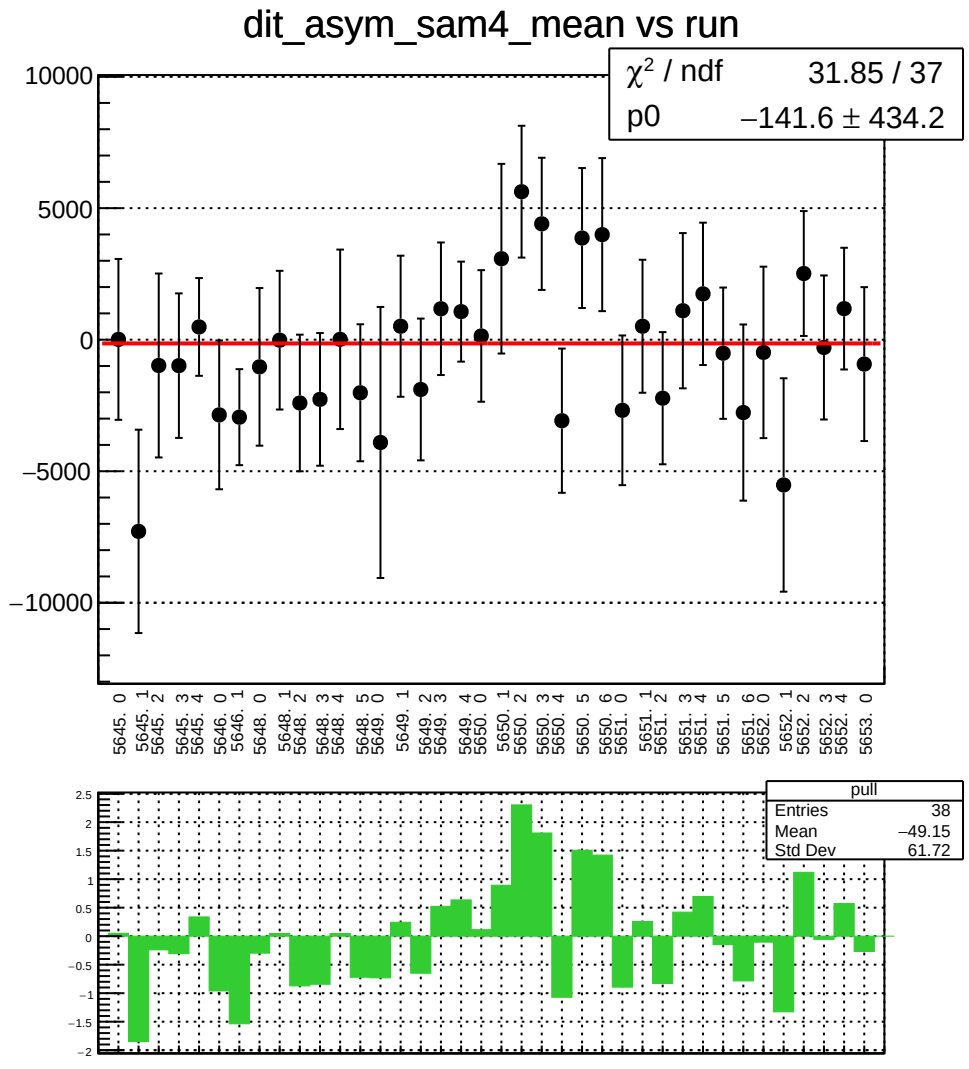

pull1D
Entries 38
Mean −0.04528
Std Dev 1.075

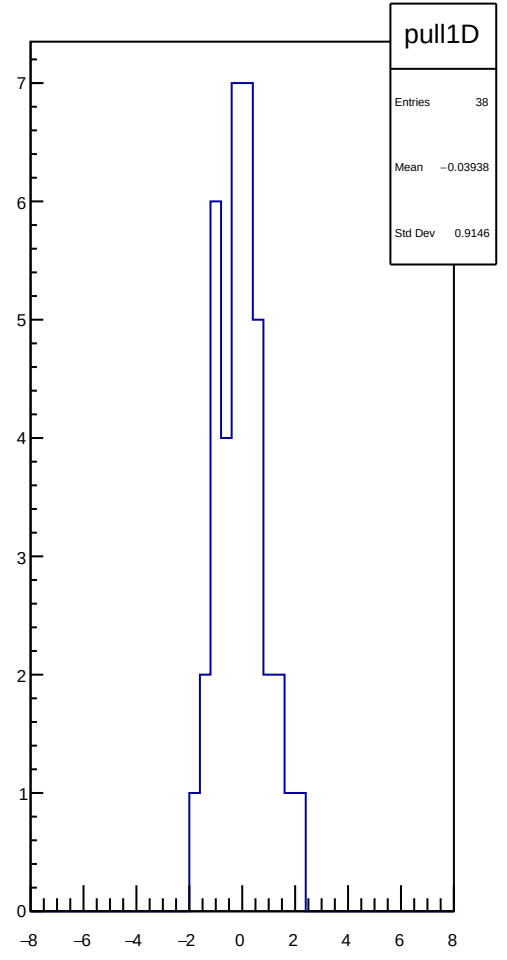

asym_sam3_correction_rms vs run
χ² / ndf 2413 / 37
p0 1881 ± 2.164
2200
2100
2000
1900
1800
1700
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

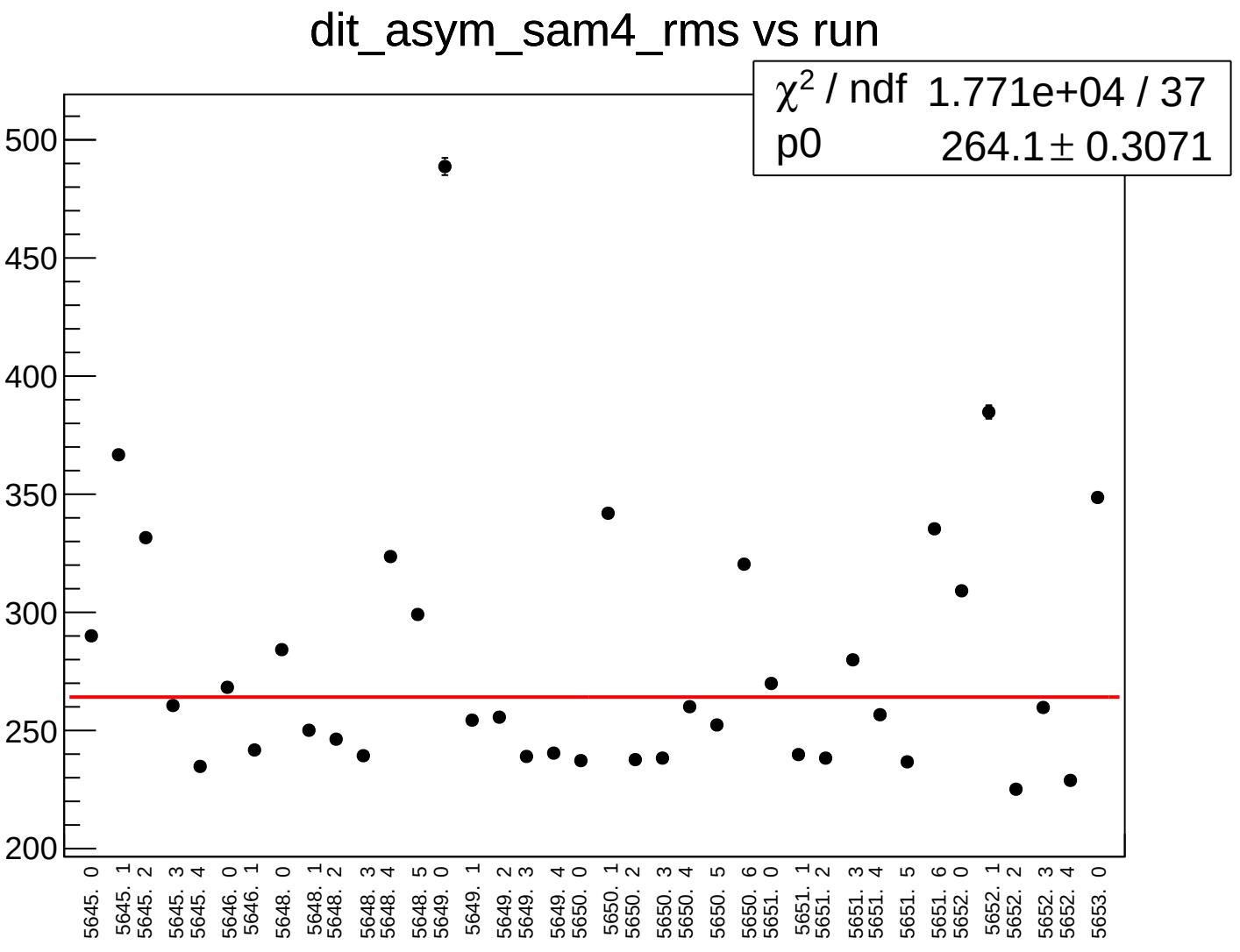

asym_sam3_mean vs run
χ² / ndf 45.65 / 37
p0 −2158 ± 3184
pull
Entries 38
Mean 23.44
Std Dev 31.08

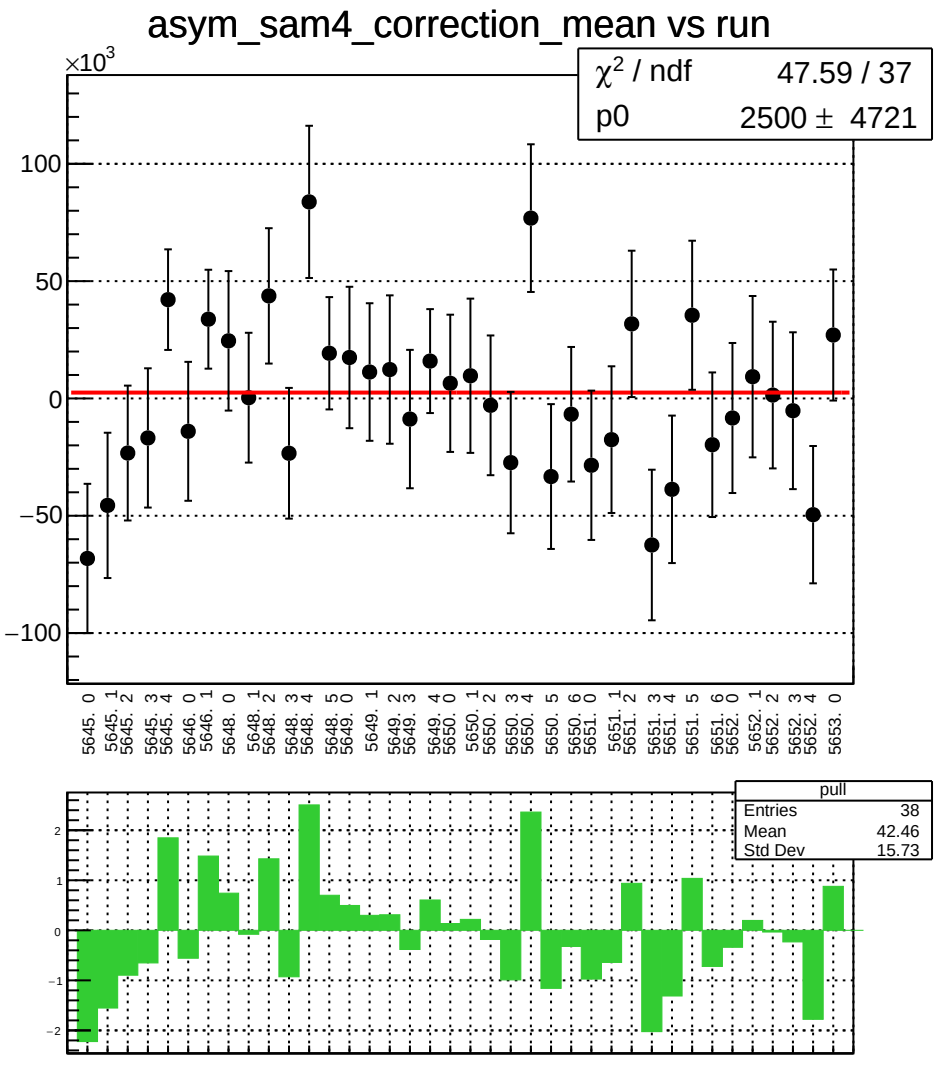

pull1D
Entries 38
Mean 0.03585
Std Dev 1.095

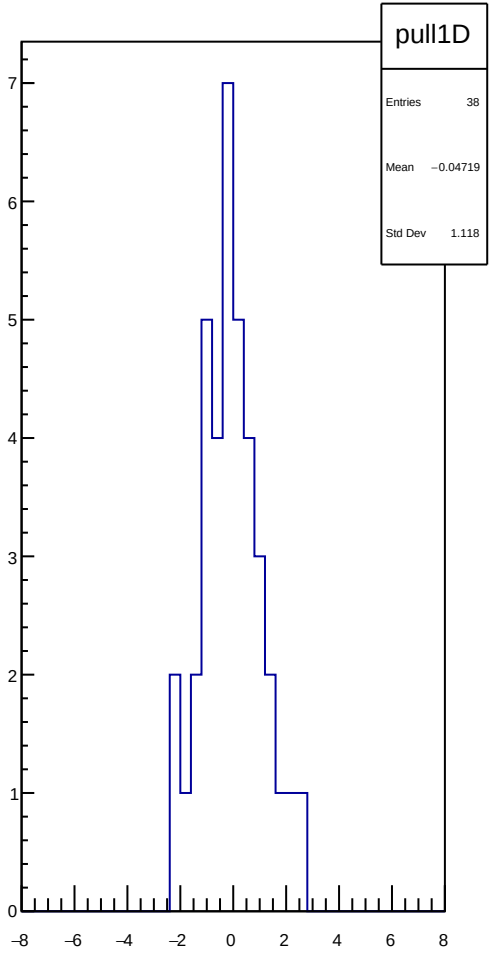

asym_sam3_rms vs run
χ² / ndf 6581 / 37
p0 1951 ± 2.251
2400
2200
2000
1800
1600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

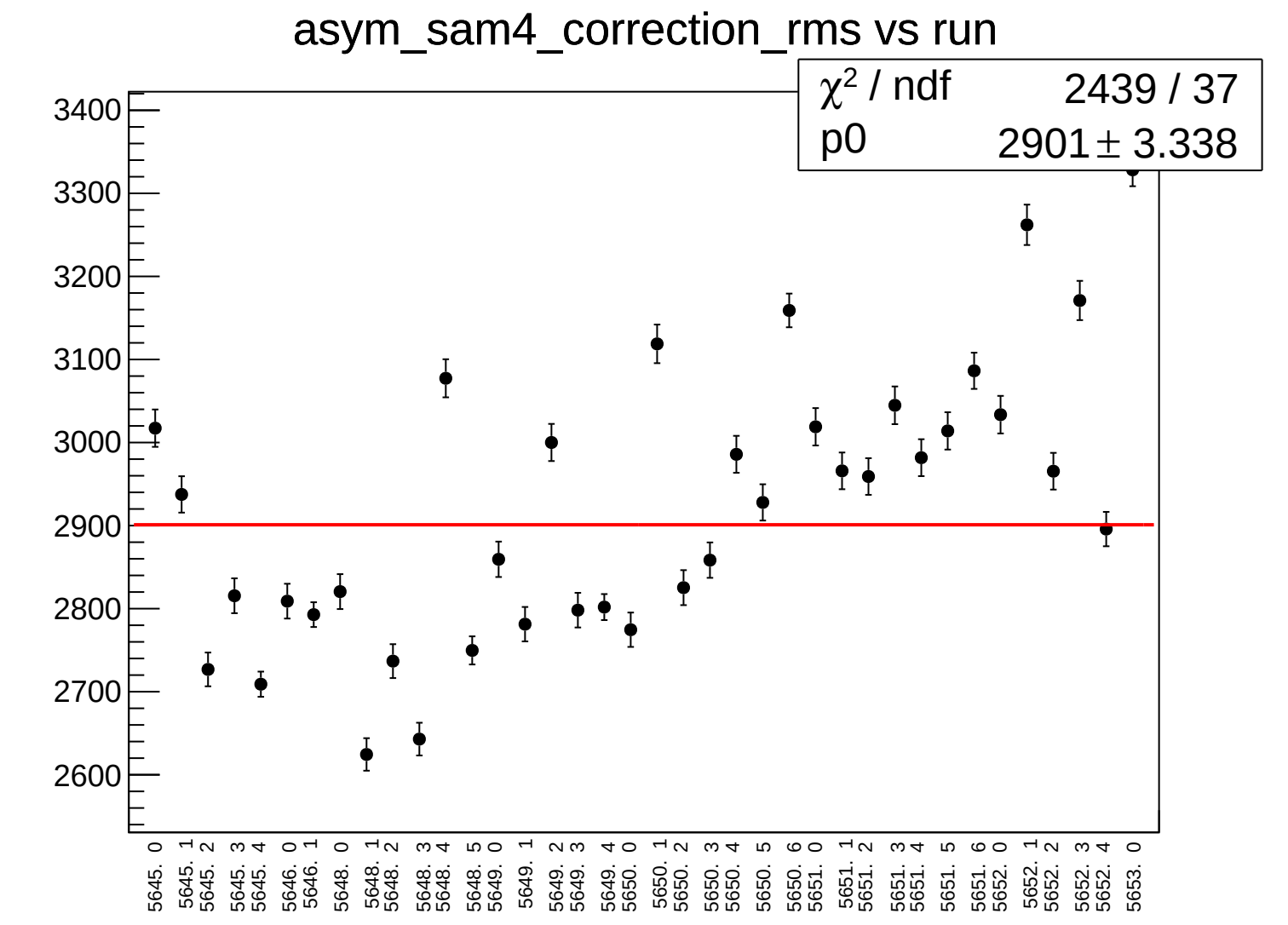

dit_asym_sam4_mean vs run
χ² / ndf 31.85 / 37
p0 −141.6 ± 434.2
10000
5000
0
−5000
−10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −49.15
Std Dev 61.72
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

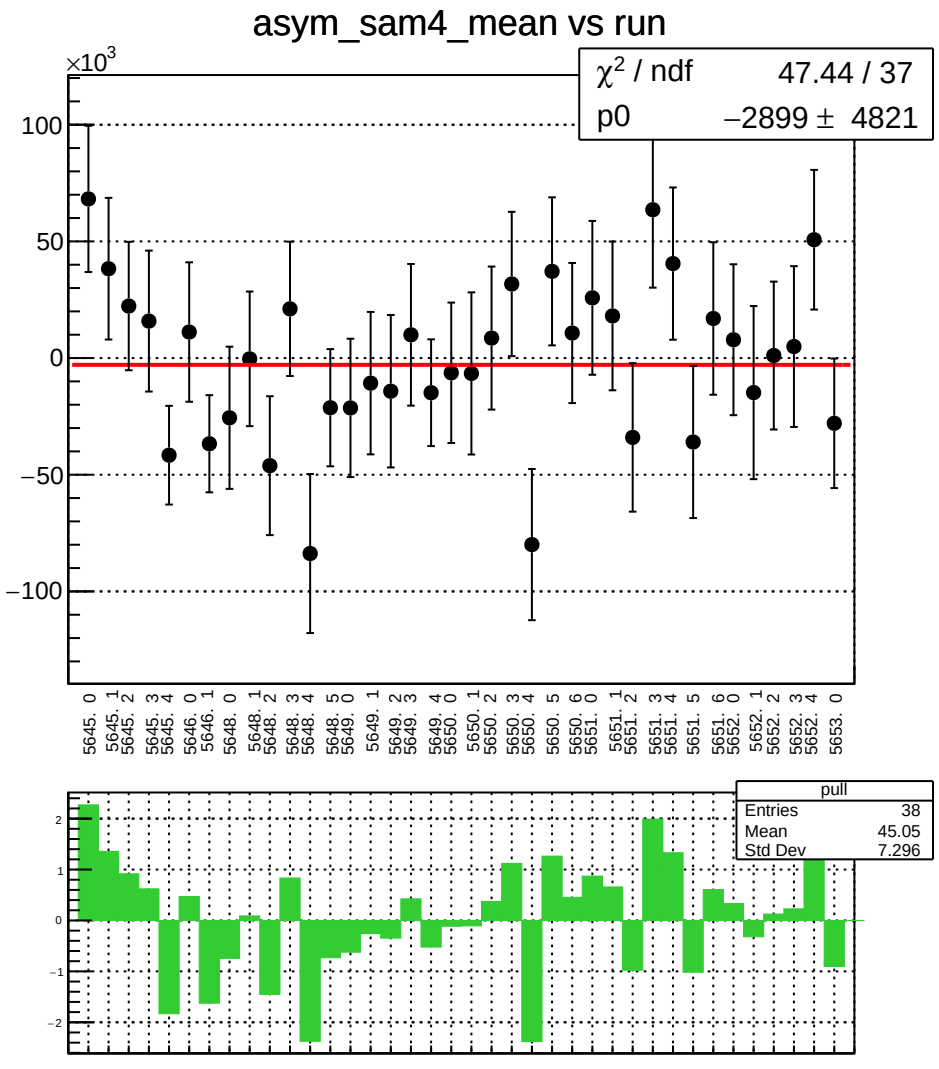

pull1D
Entries 38
Mean −0.03938
Std Dev 0.9146
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

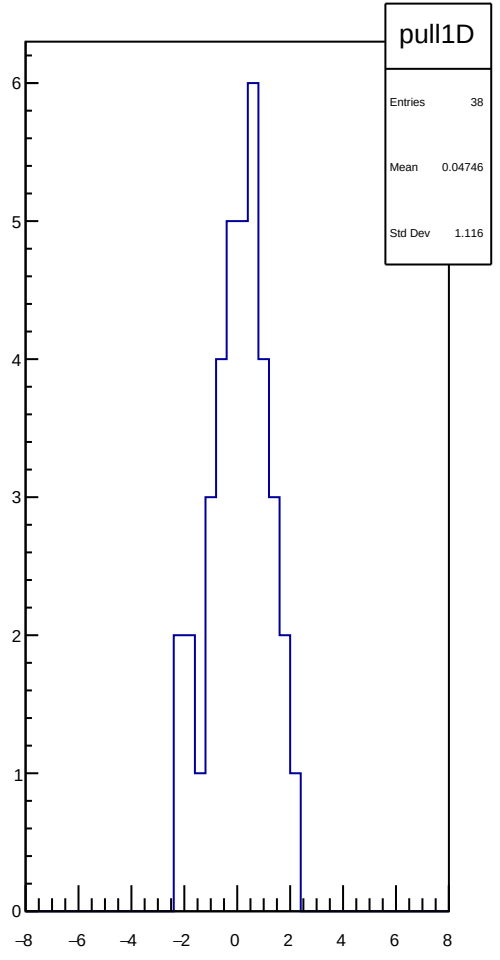

dit_asym_sam4_rms vs run
χ² / ndf 1.771e+04 / 37
p0 264.1 ± 0.3071
500
450
400
350
300
250
200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

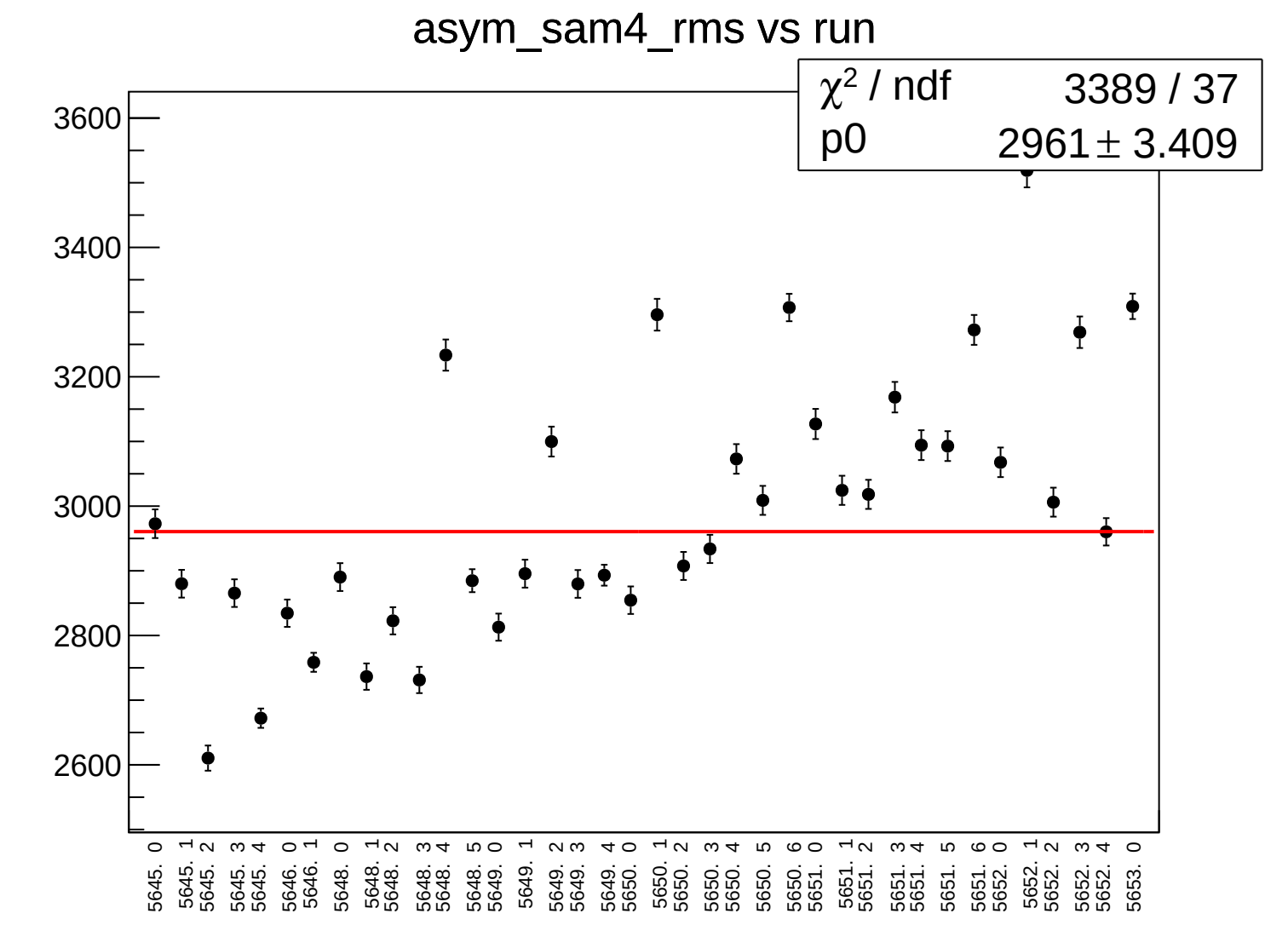

asym_sam4_correction_mean vs run
×10^3
χ^2 / ndf 47.59 / 37
p0 2500 ± 4721
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 42.46
Std Dev 15.73
2
1
0
−1
−2

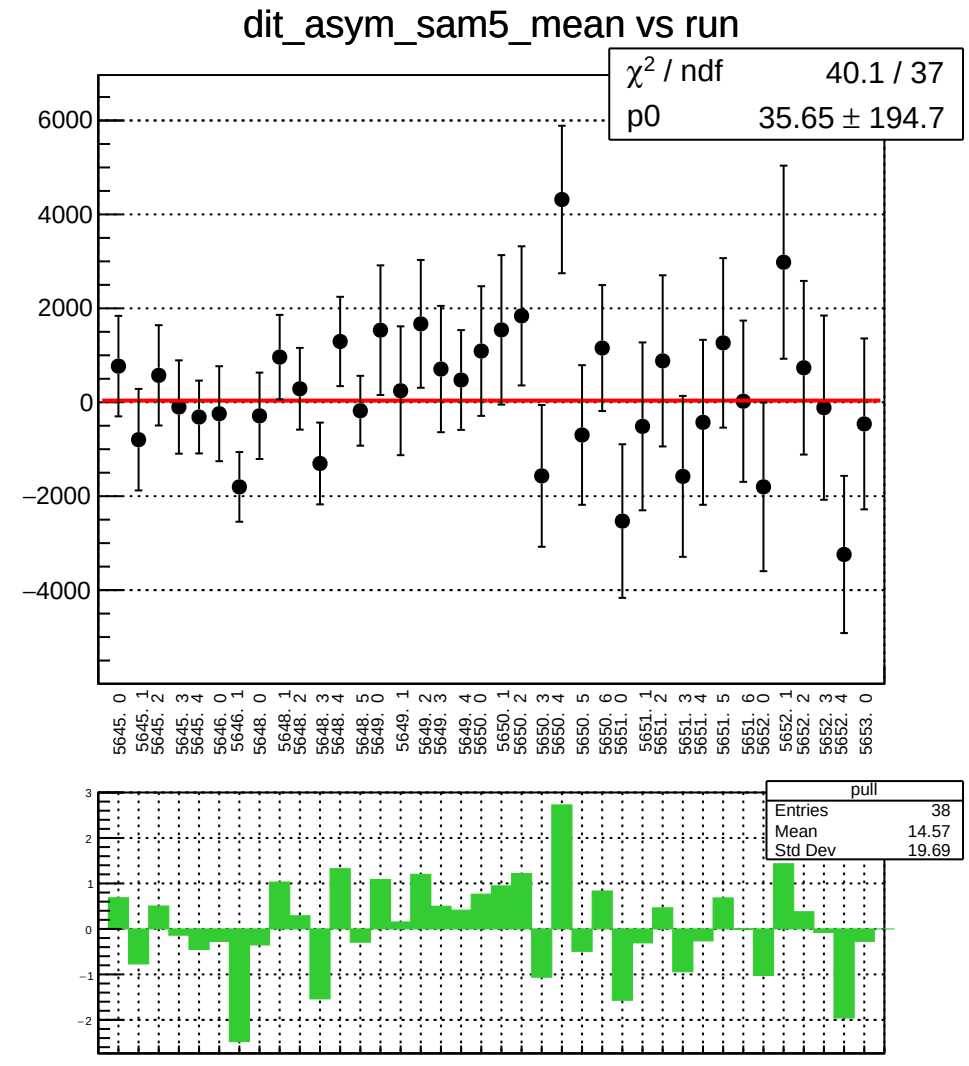

pull1D
Entries 38
Mean −0.04719
Std Dev 1.118
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

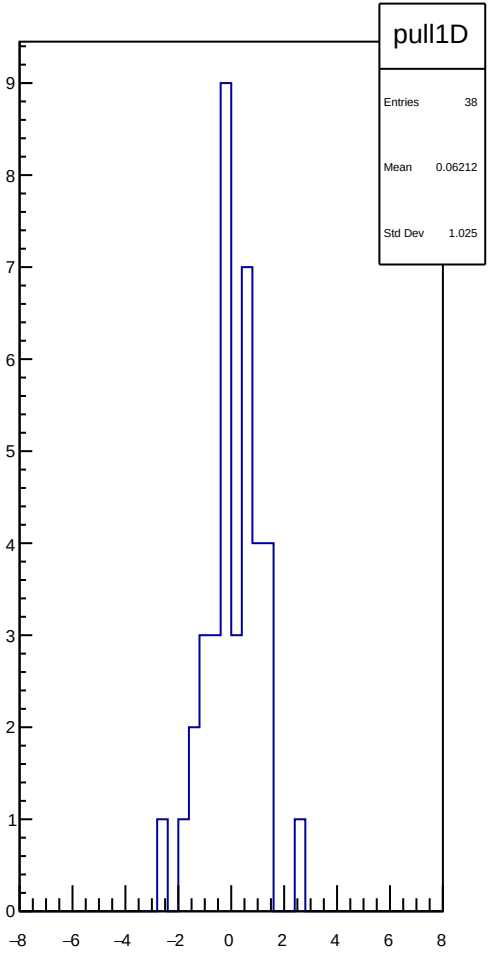

asym_sam4_correction_rms vs run
χ² / ndf 2439 / 37
p0 2901 ± 3.338
3400
3300
3200
3100
3000
2900
2800
2700
2600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

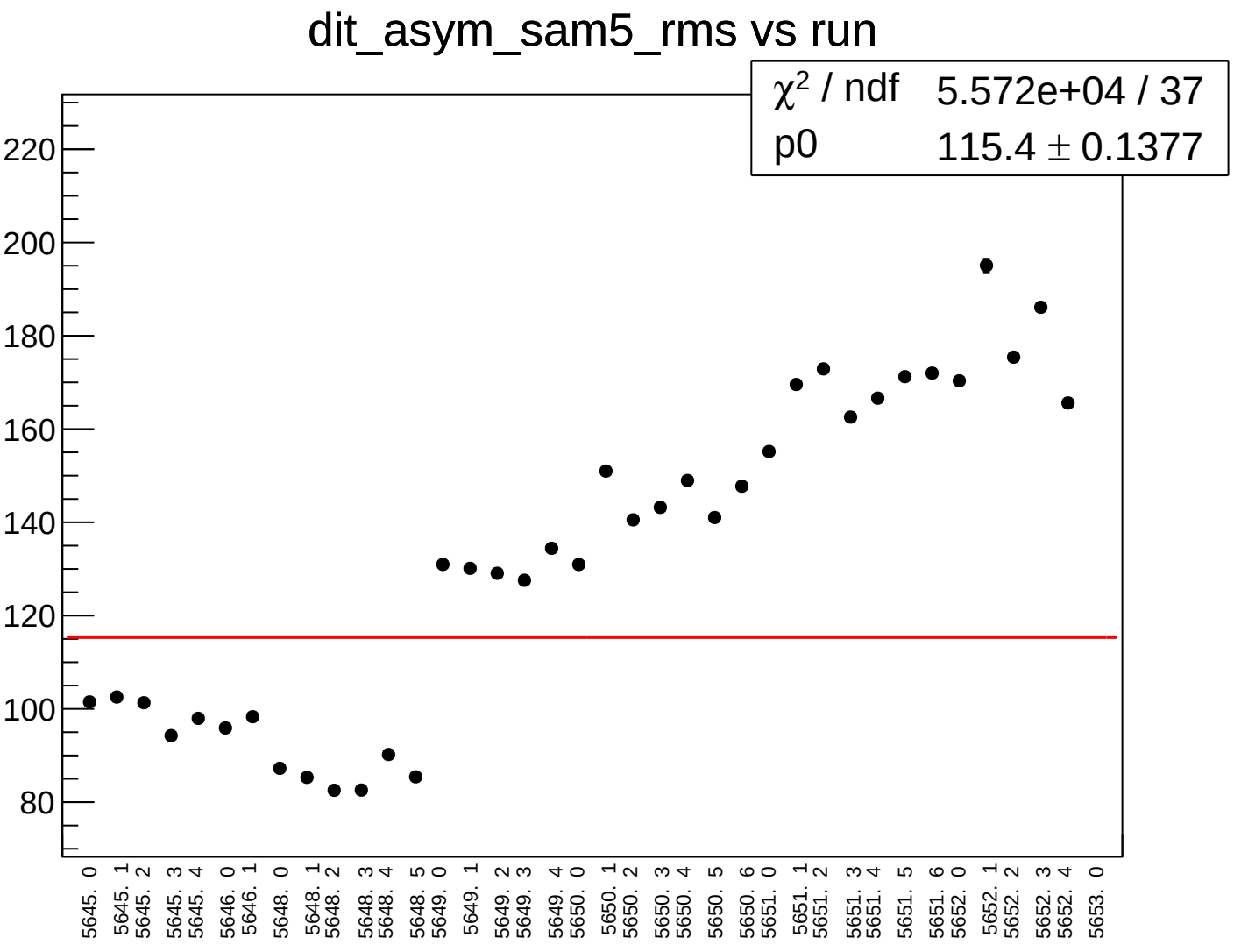

asym_sam4_mean vs run
×10^3
χ^2 / ndf 47.44 / 37
p0 −2899 ± 4821
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 45.05
Std Dev 7.296
2
1
0
−1
−2

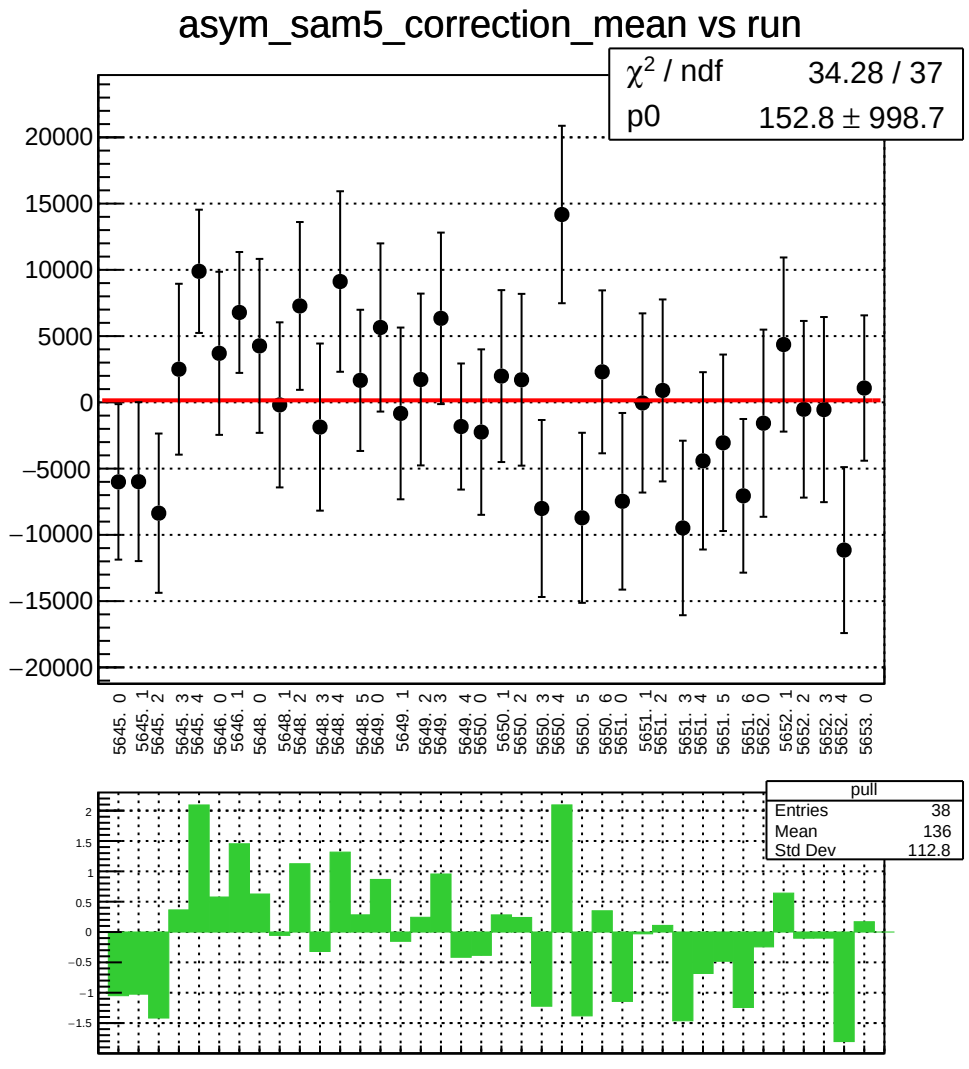

pull1D
Entries 38
Mean 0.04746
Std Dev 1.116
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

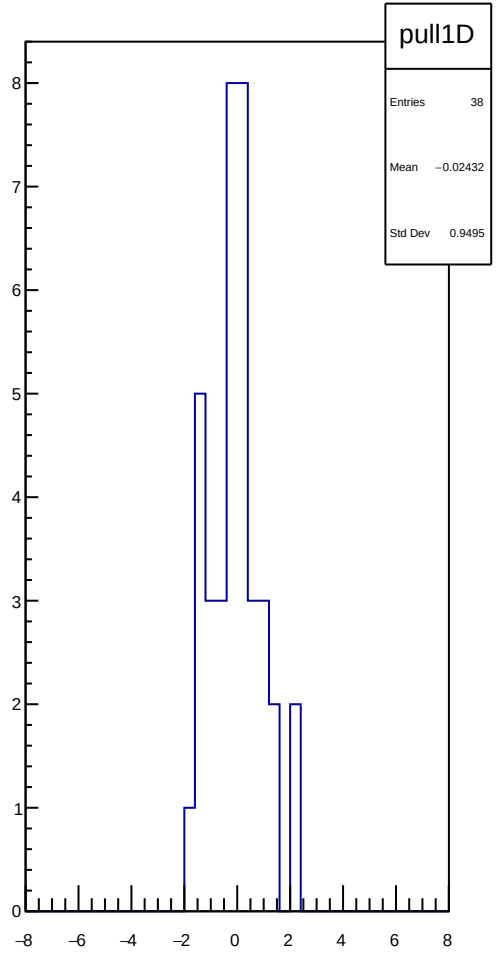

asym_sam4_rms vs run
χ² / ndf 3389 / 37
p0 2961 ± 3.409
3600
3400
3200
3000
2800
2600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

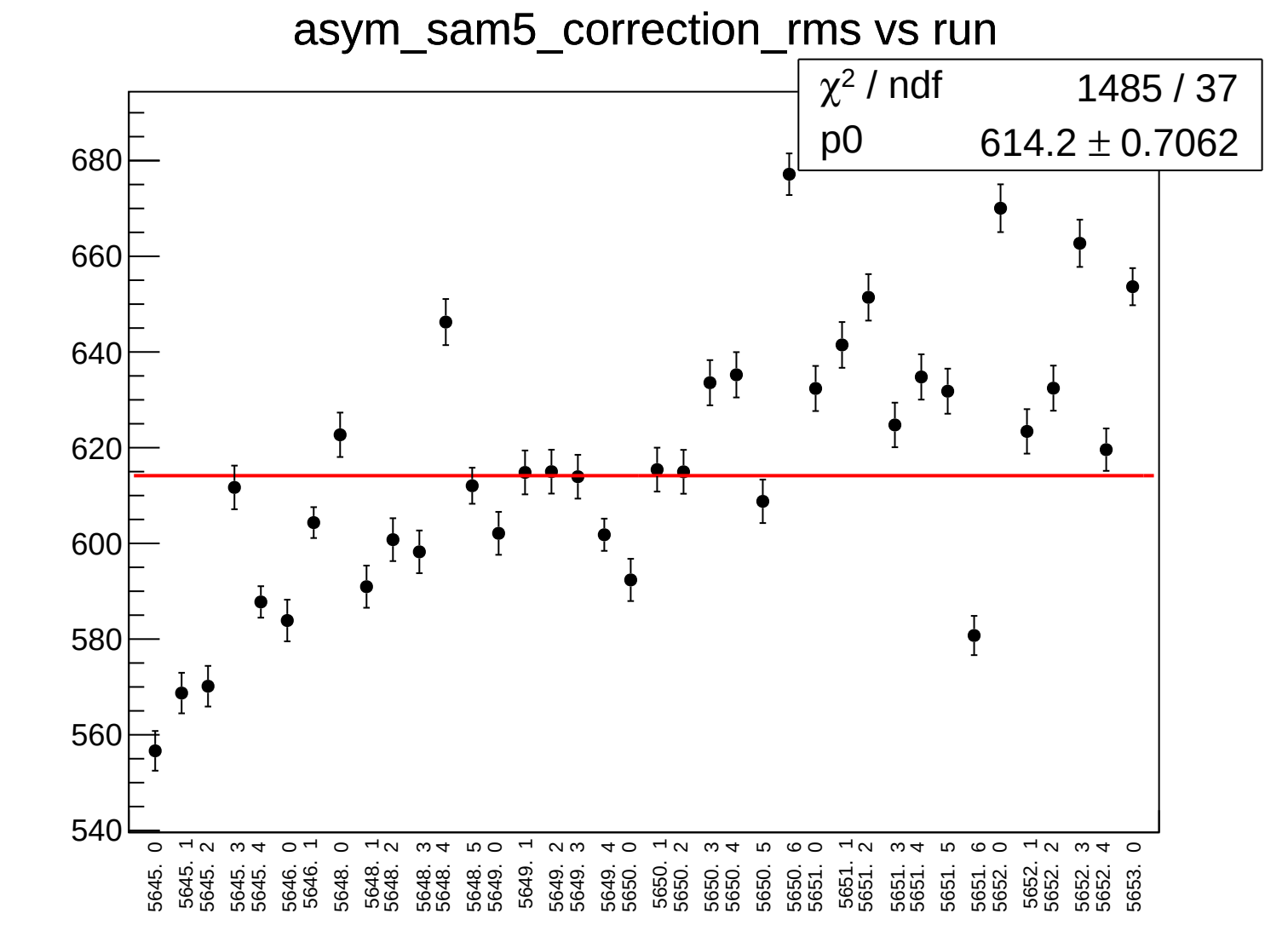

dit_asym_sam5_mean vs run
χ² / ndf 40.1 / 37
p0 35.65 ± 194.7
6000
4000
2000
0
−2000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 14.57
Std Dev 19.69
3
2
1
0
−1
−2

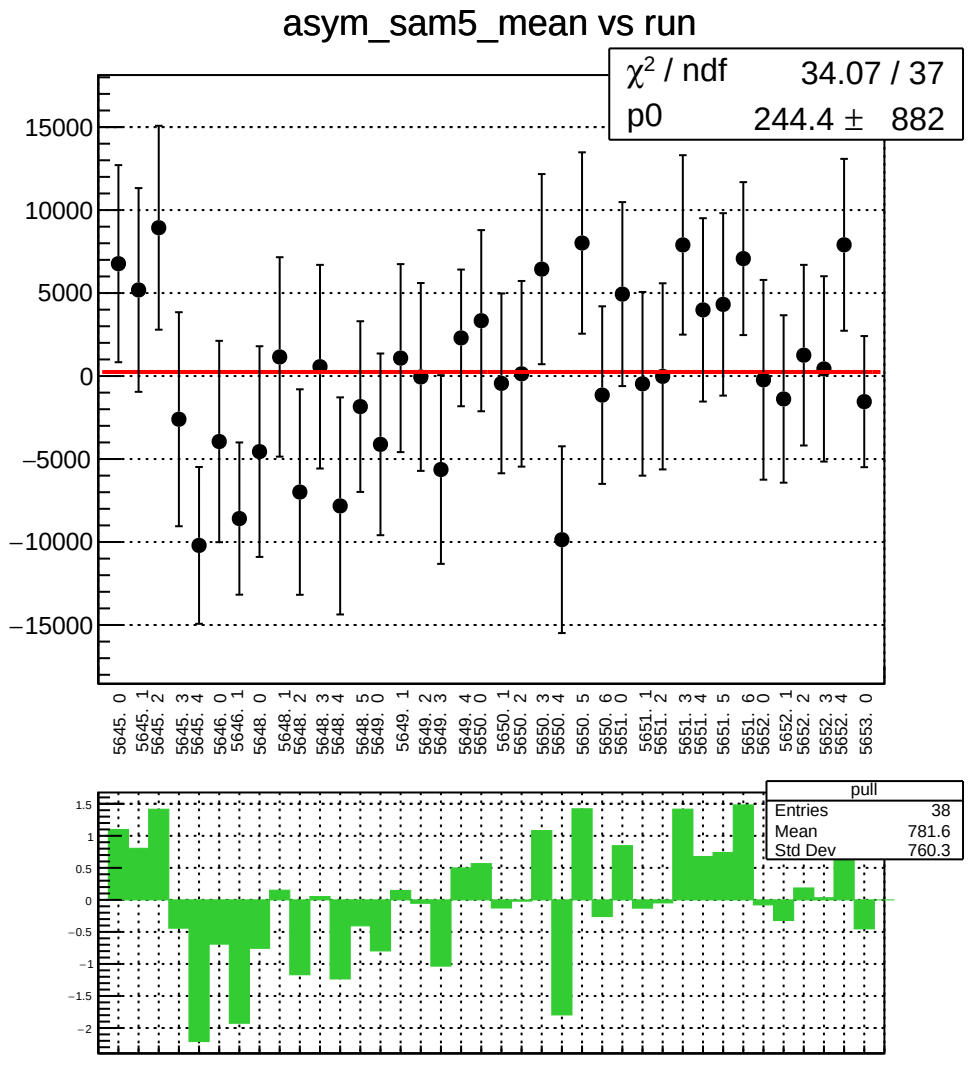

pull1D
Entries 38
Mean 0.06212
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

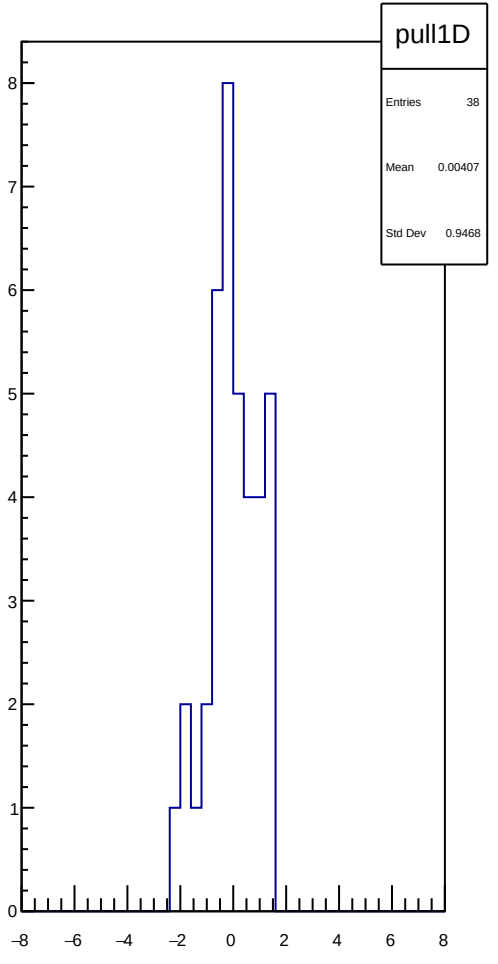

dit_asym_sam5_rms vs run
χ² / ndf 5.572e+04 / 37
p0 115.4 ± 0.1377
220
200
180
160
140
120
100
80
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

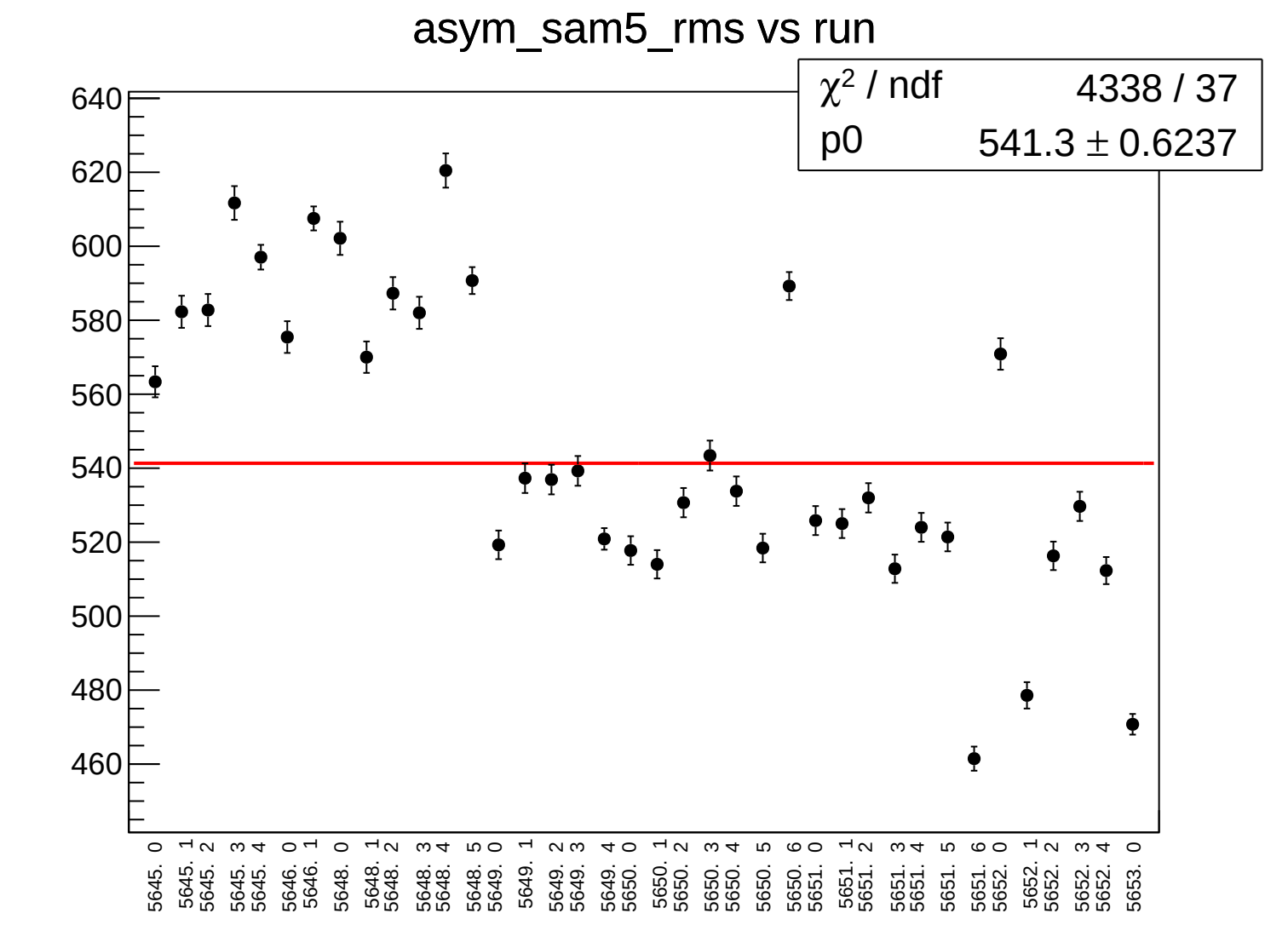

asym_sam5_correction_mean vs run
χ² / ndf 34.28 / 37
p0 152.8 ± 998.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 136
Std Dev 112.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

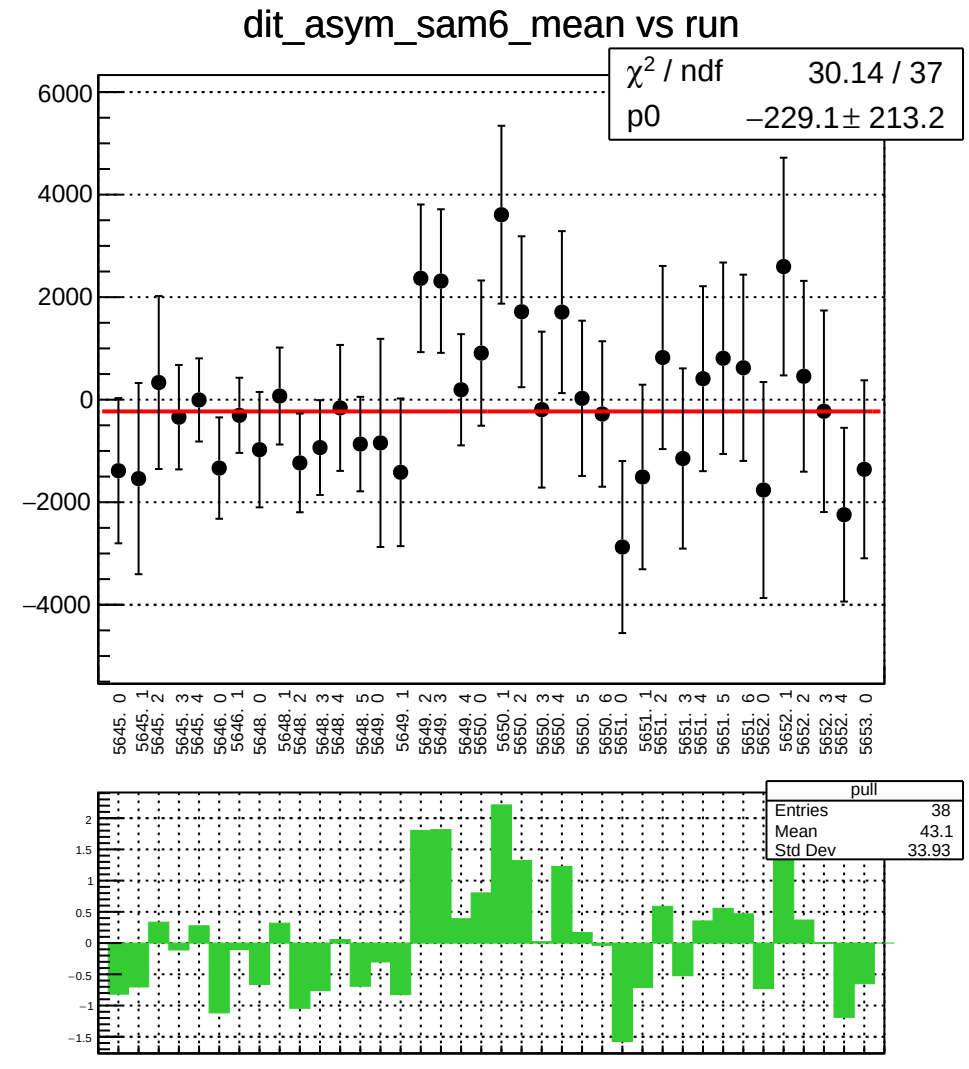

pull1D
Entries 38
Mean −0.02432
Std Dev 0.9495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

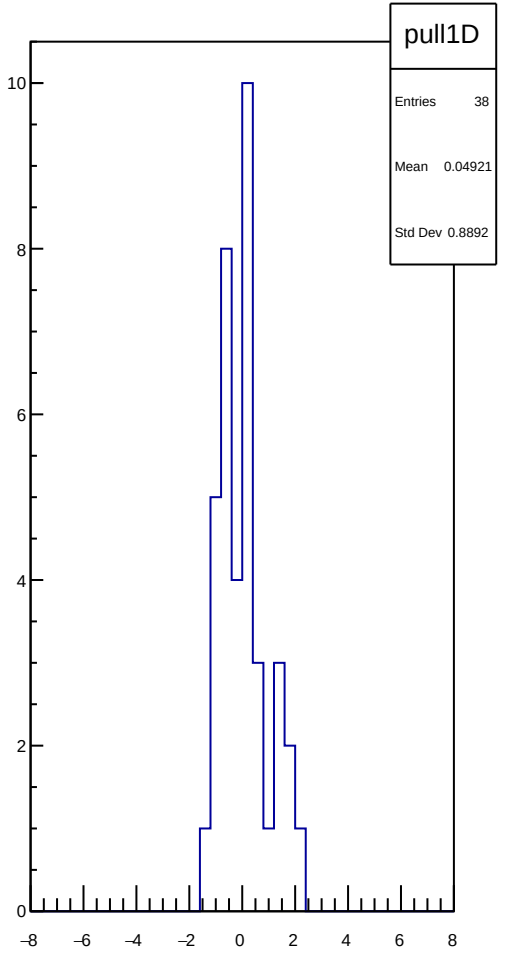

asym_sam5_correction_rms vs run
χ² / ndf 1485 / 37
p0 614.2 ± 0.7062
680
660
640
620
600
580
560
540
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

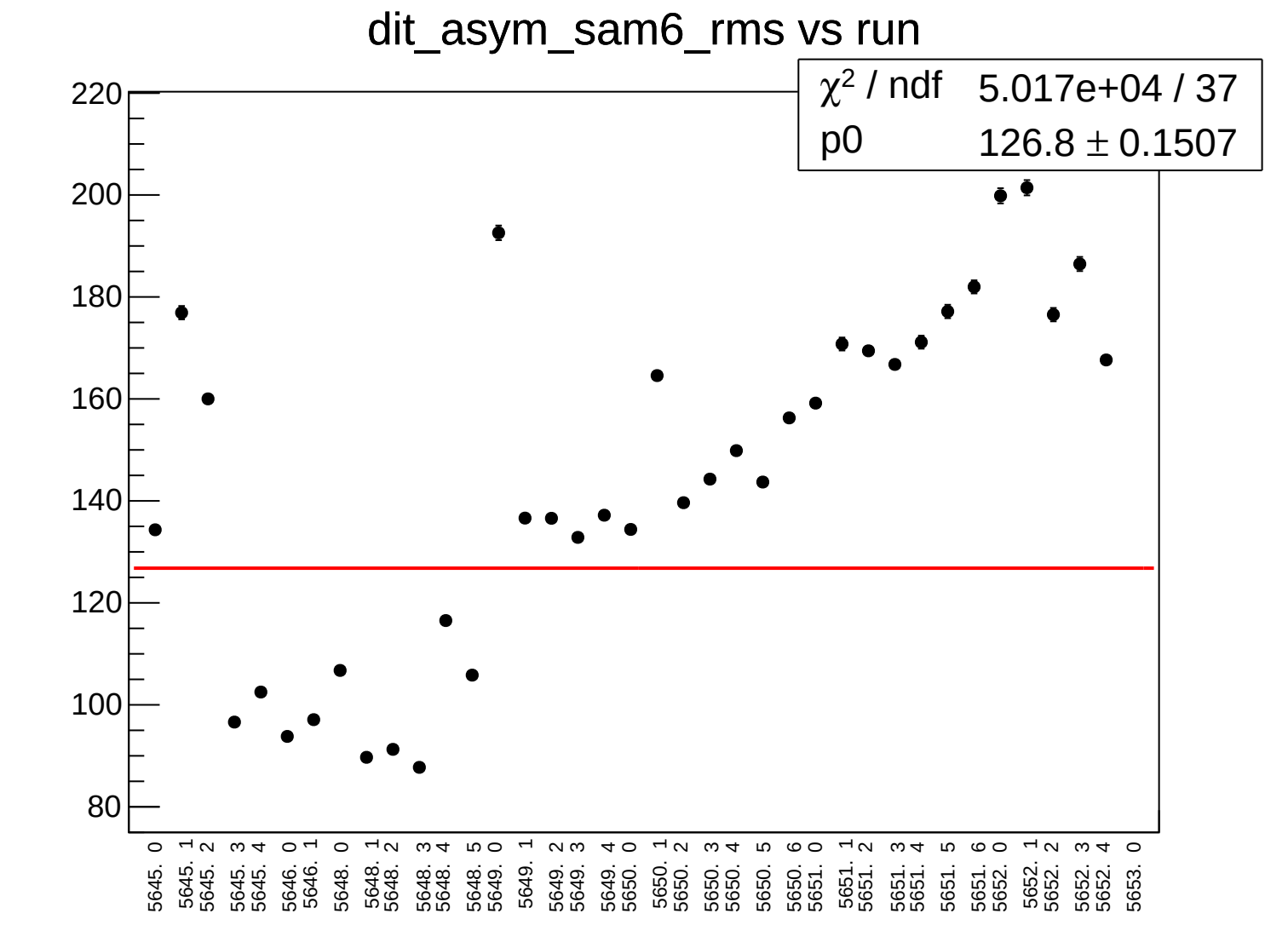

asym_sam5_mean vs run
χ² / ndf 34.07 / 37
p0 244.4 ± 882
15000
10000
5000
0
−5000
−10000
−15000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 781.6
Std Dev 760.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

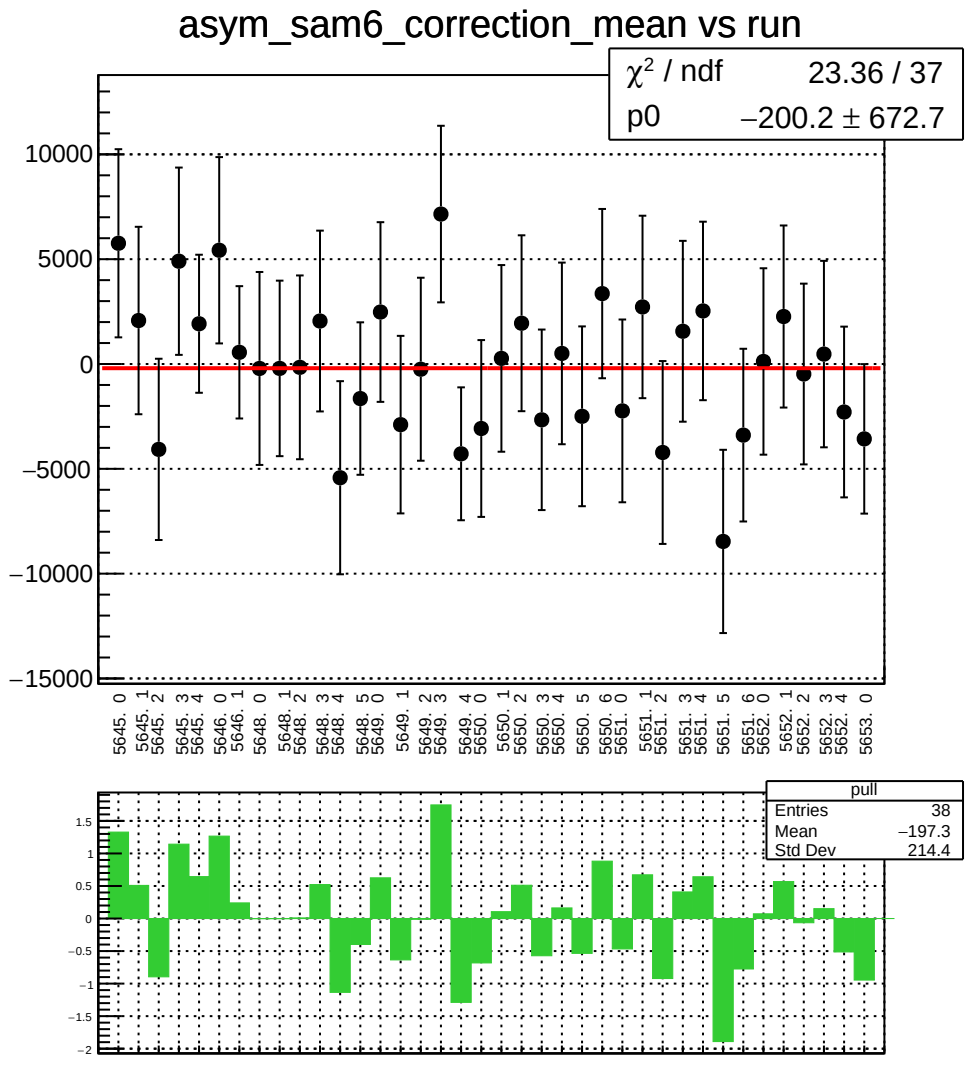

pull1D
Entries 38
Mean 0.00407
Std Dev 0.9468
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

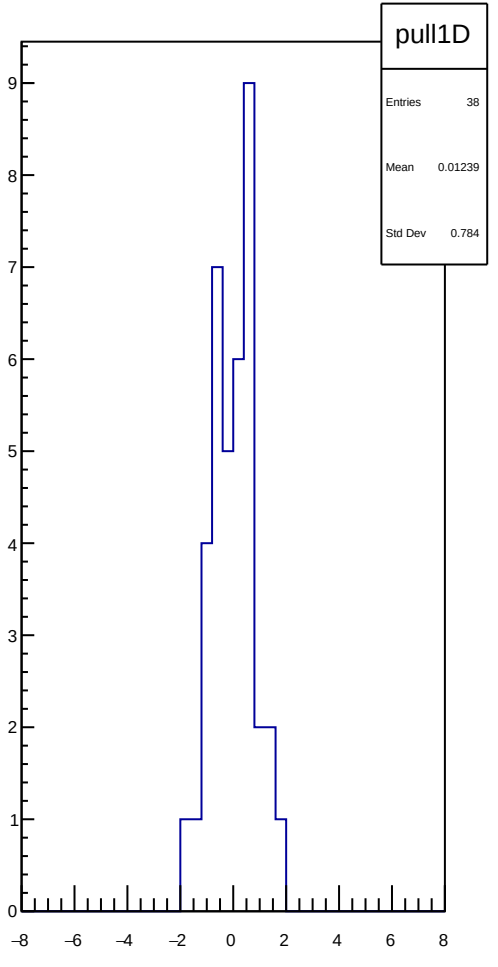

asym_sam5_rms vs run
χ² / ndf 4338 / 37
p0 541.3 ± 0.6237
640
620
600
580
560
540
520
500
480
460
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

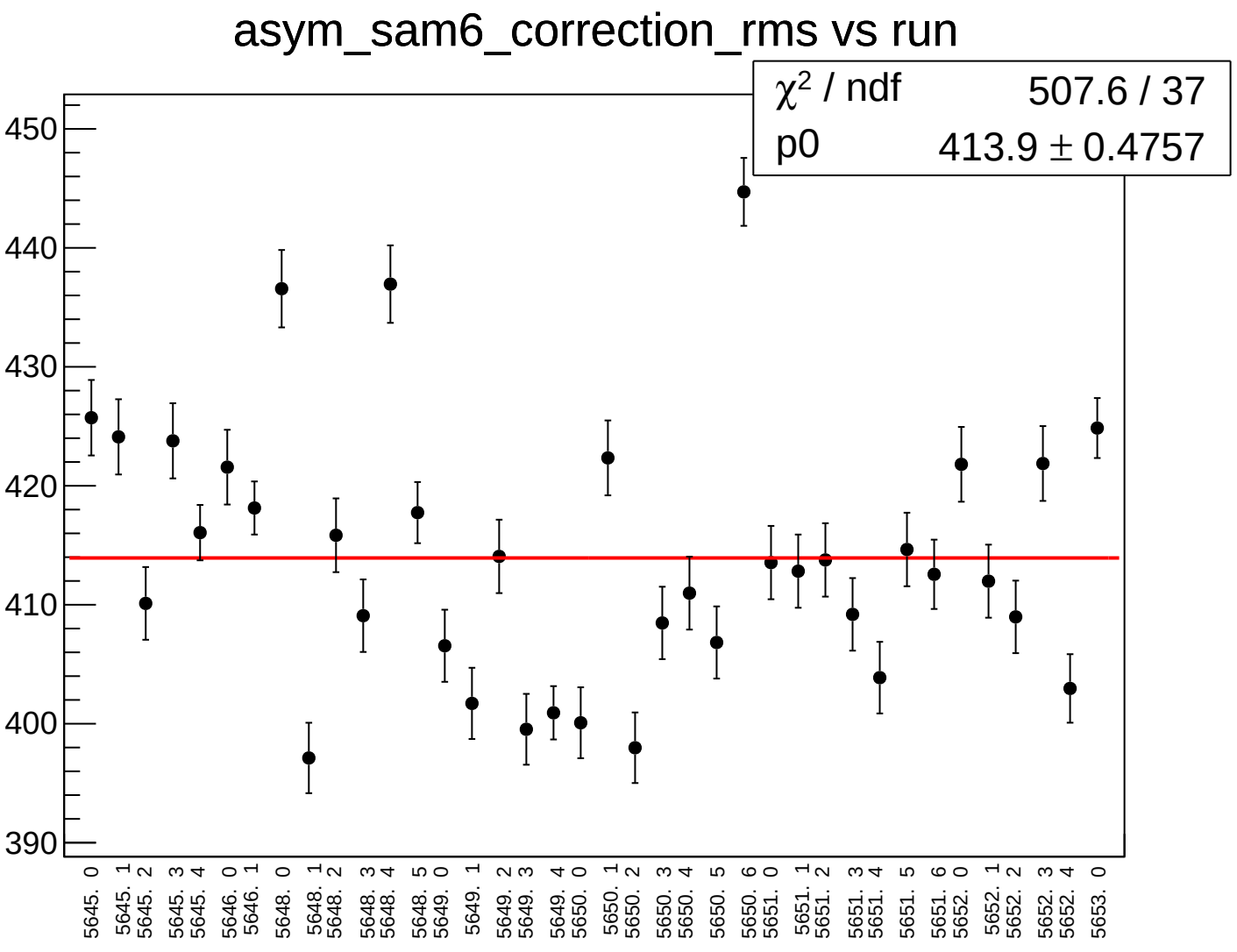

dit_asym_sam6_mean vs run
χ² / ndf 30.14 / 37
p0 −229.1± 213.2
6000
4000
2000
0
−2000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 43.1
Std Dev 33.93
2
1.5
1
0.5
0
−0.5
−1
−1.5

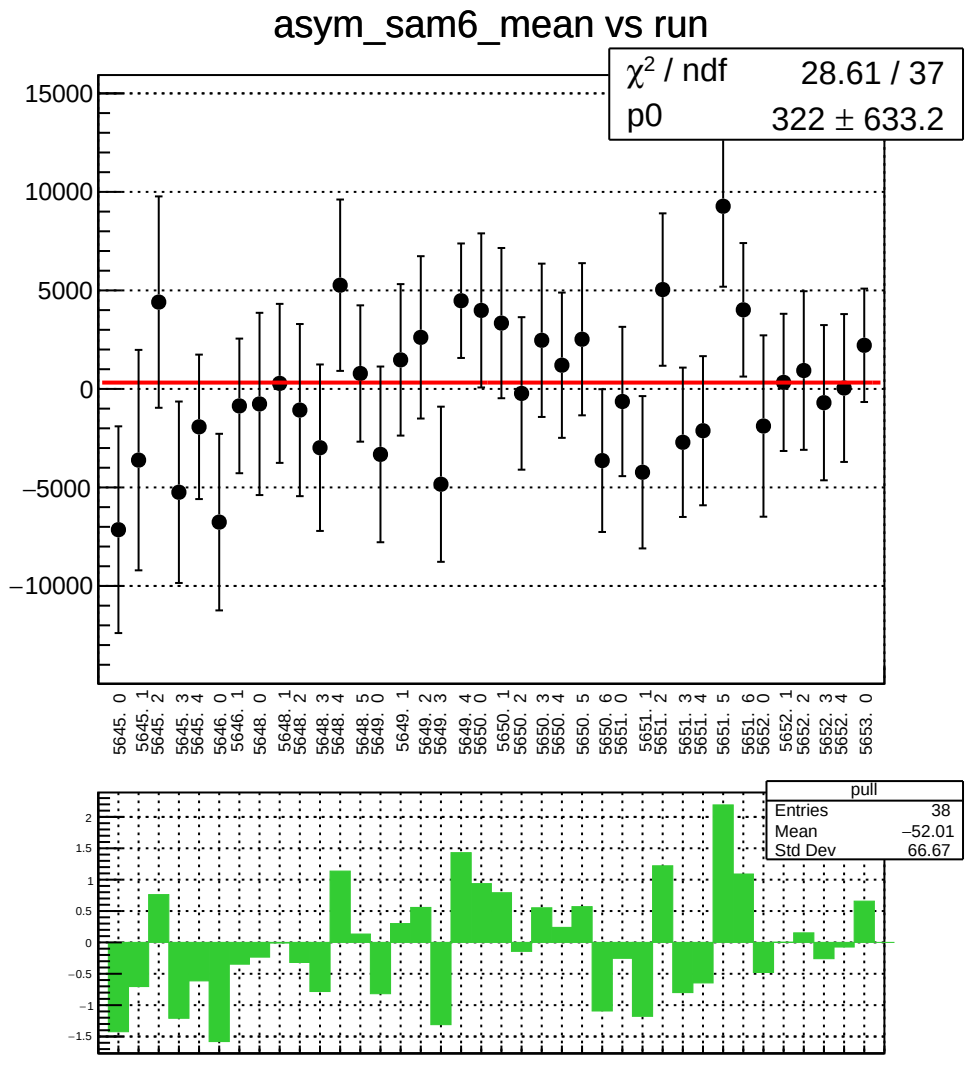

pull1D
Entries 38
Mean 0.04921
Std Dev 0.8892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

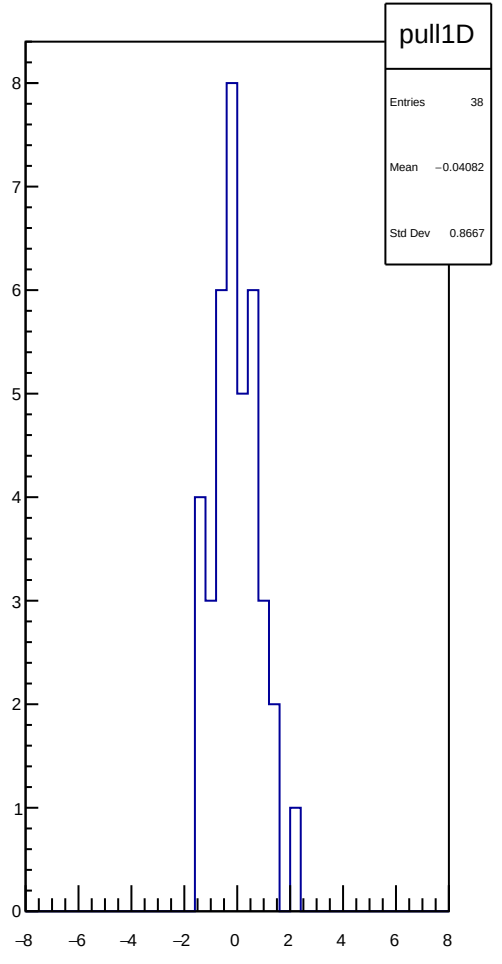

dit_asym_sam6_rms vs run
χ² / ndf 5.017e+04 / 37
p0 126.8 ± 0.1507
220
200
180
160
140
120
100
80
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

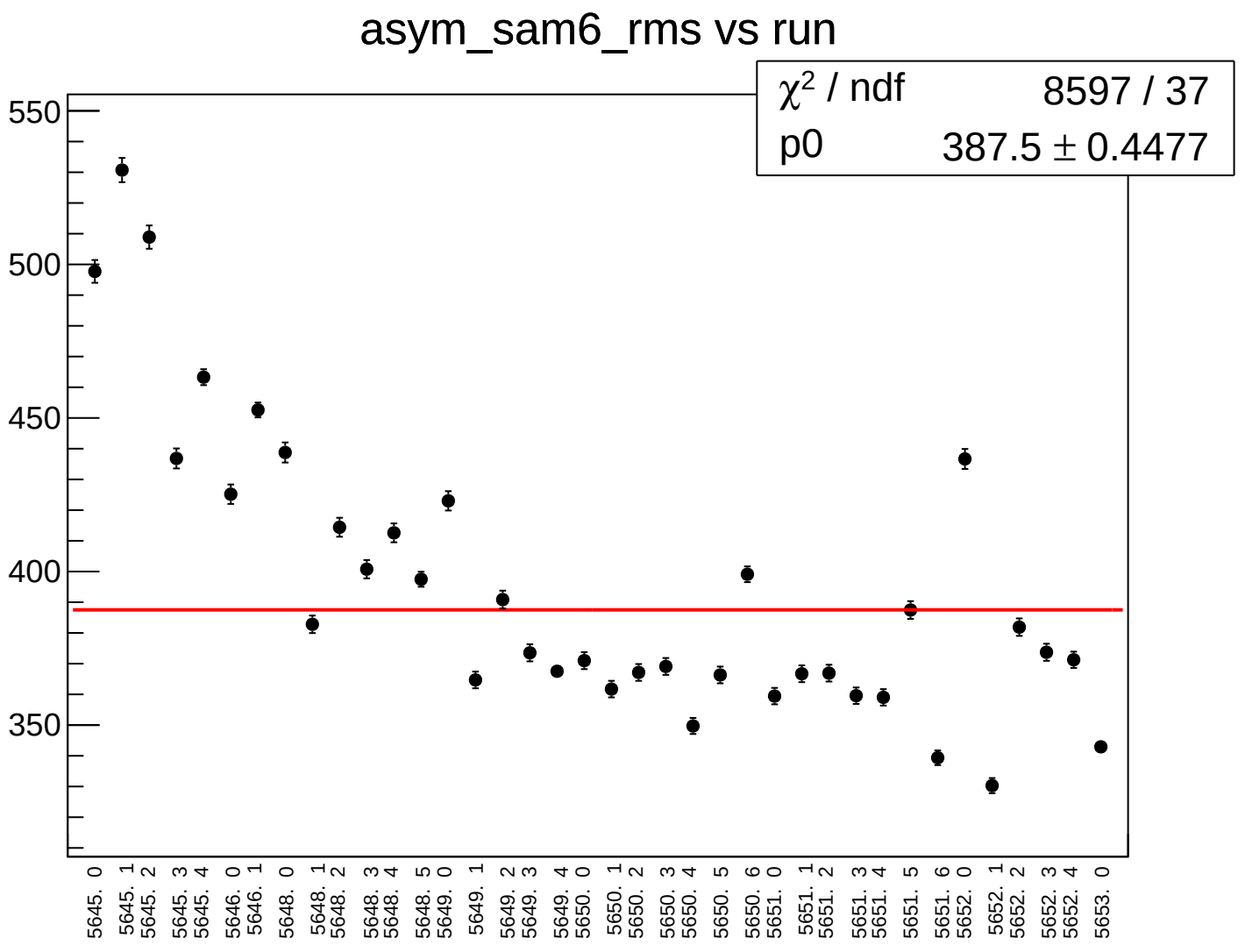

asym_sam6_correction_mean vs run
χ² / ndf 23.36 / 37
p0 −200.2 ± 672.7
10000
5000
0
−5000
−10000
−15000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −197.3
Std Dev 214.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

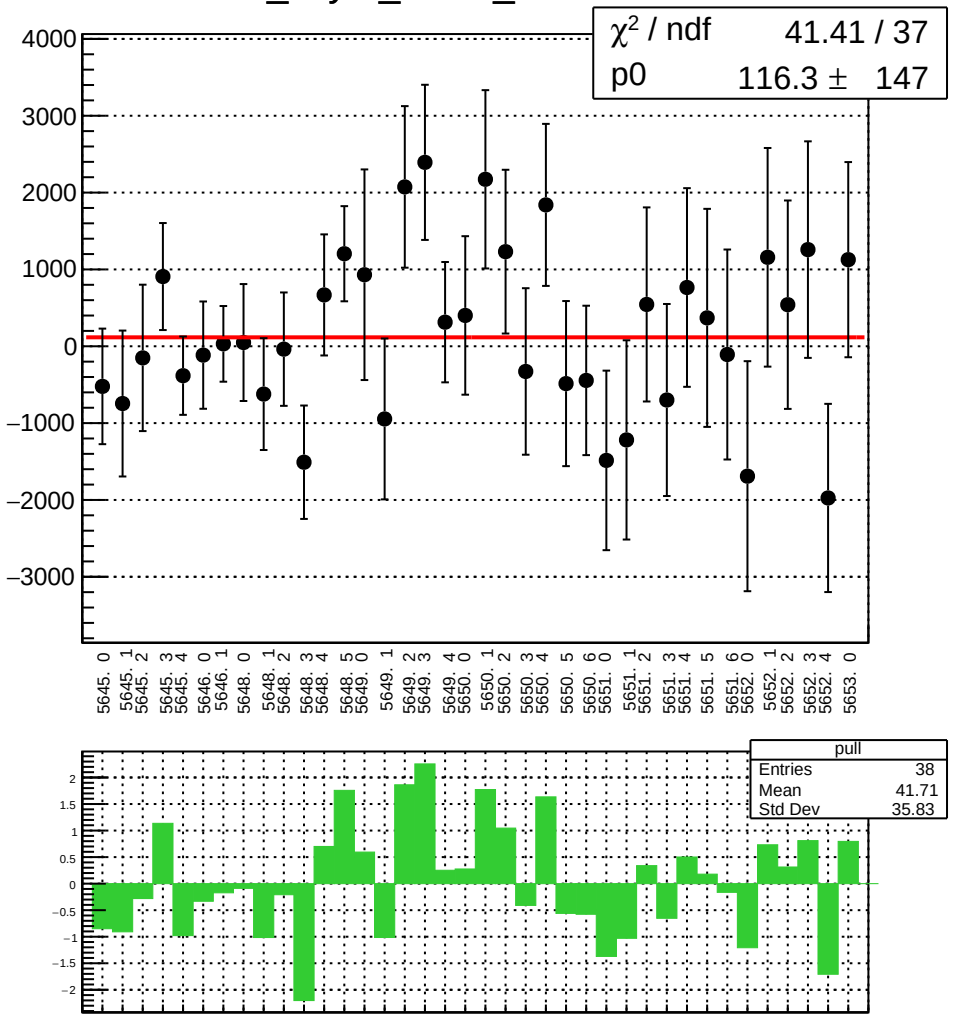

pull1D
Entries 38
Mean 0.01239
Std Dev 0.784
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

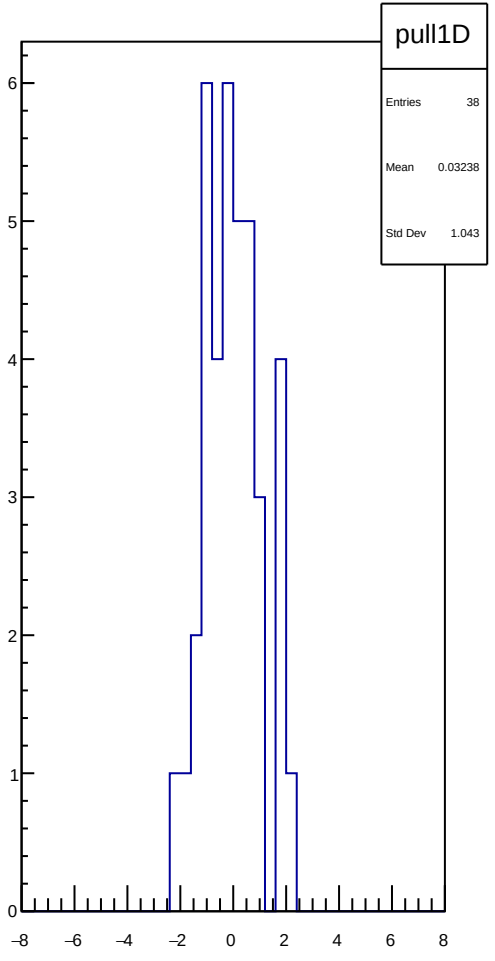

asym_sam6_correction_rms vs run
χ² / ndf 507.6 / 37
p0 413.9 ± 0.4757
450
440
430
420
410
400
390
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

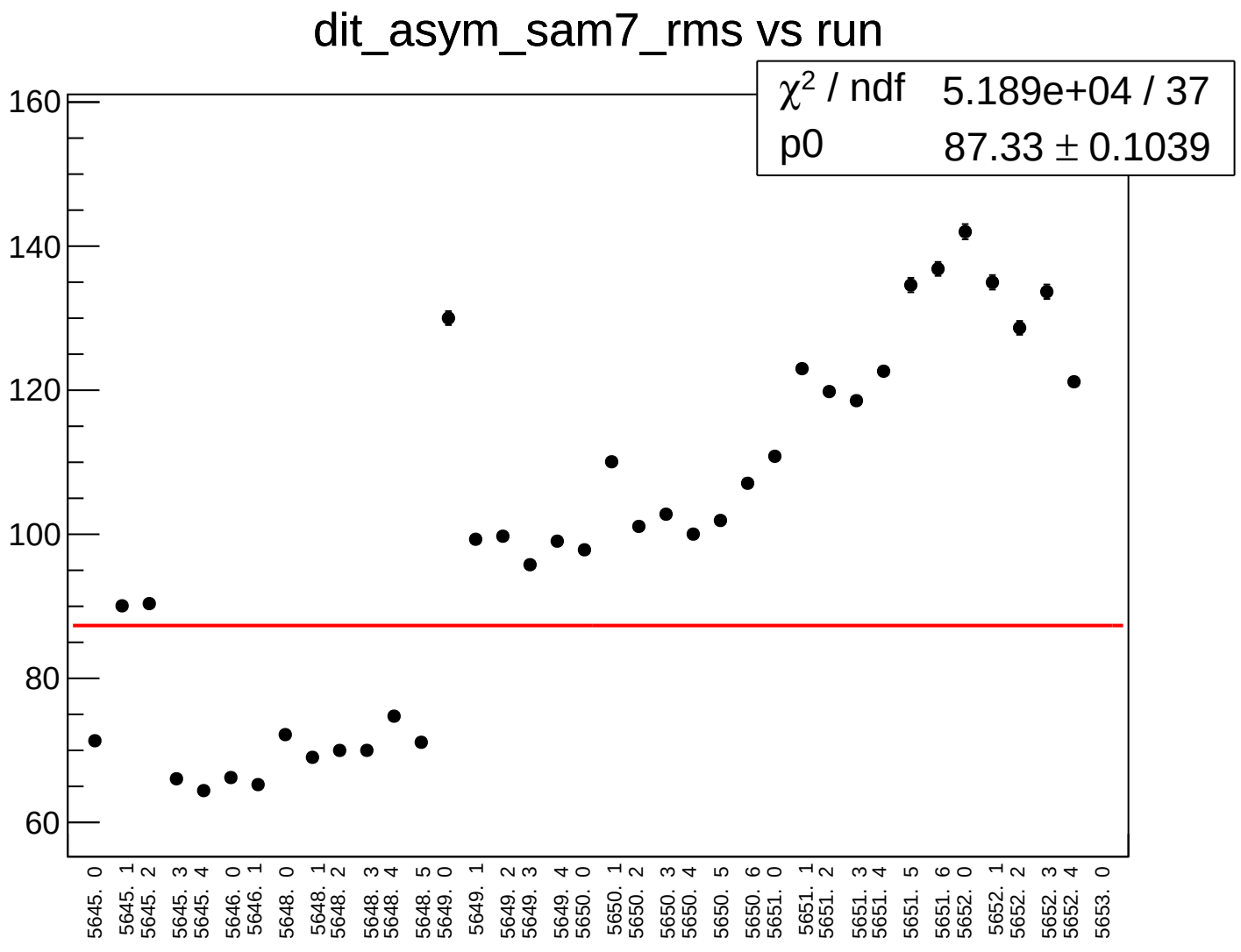

asym_sam6_mean vs run
χ² / ndf 28.61 / 37
p0 322 ± 633.2
15000
10000
5000
0
−5000
−10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −52.01
Std Dev 66.67
2
1.5
1
0.5
0
−0.5
−1
−1.5

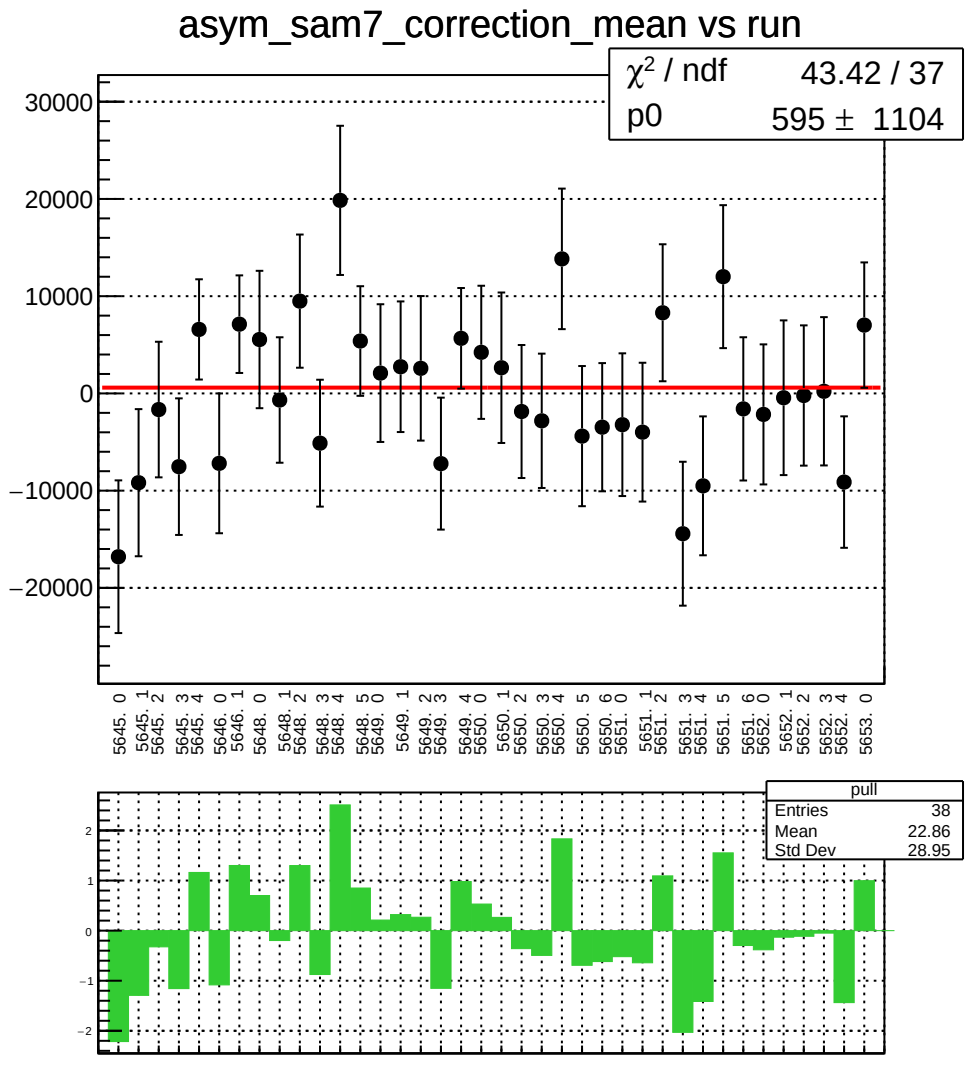

pull1D
Entries 38
Mean −0.04082
Std Dev 0.8667
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

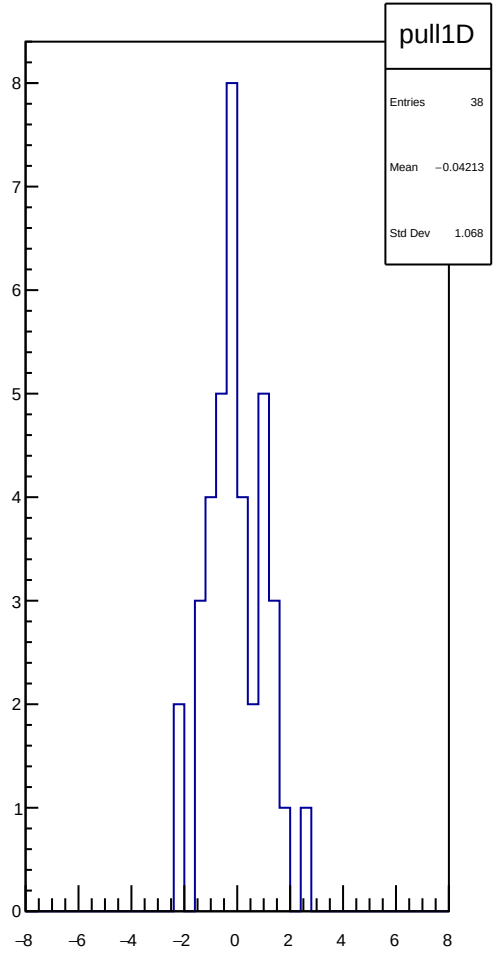

asym_sam6_rms vs run
χ² / ndf 8597 / 37
p0 387.5 ± 0.4477
550
500
450
400
350
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

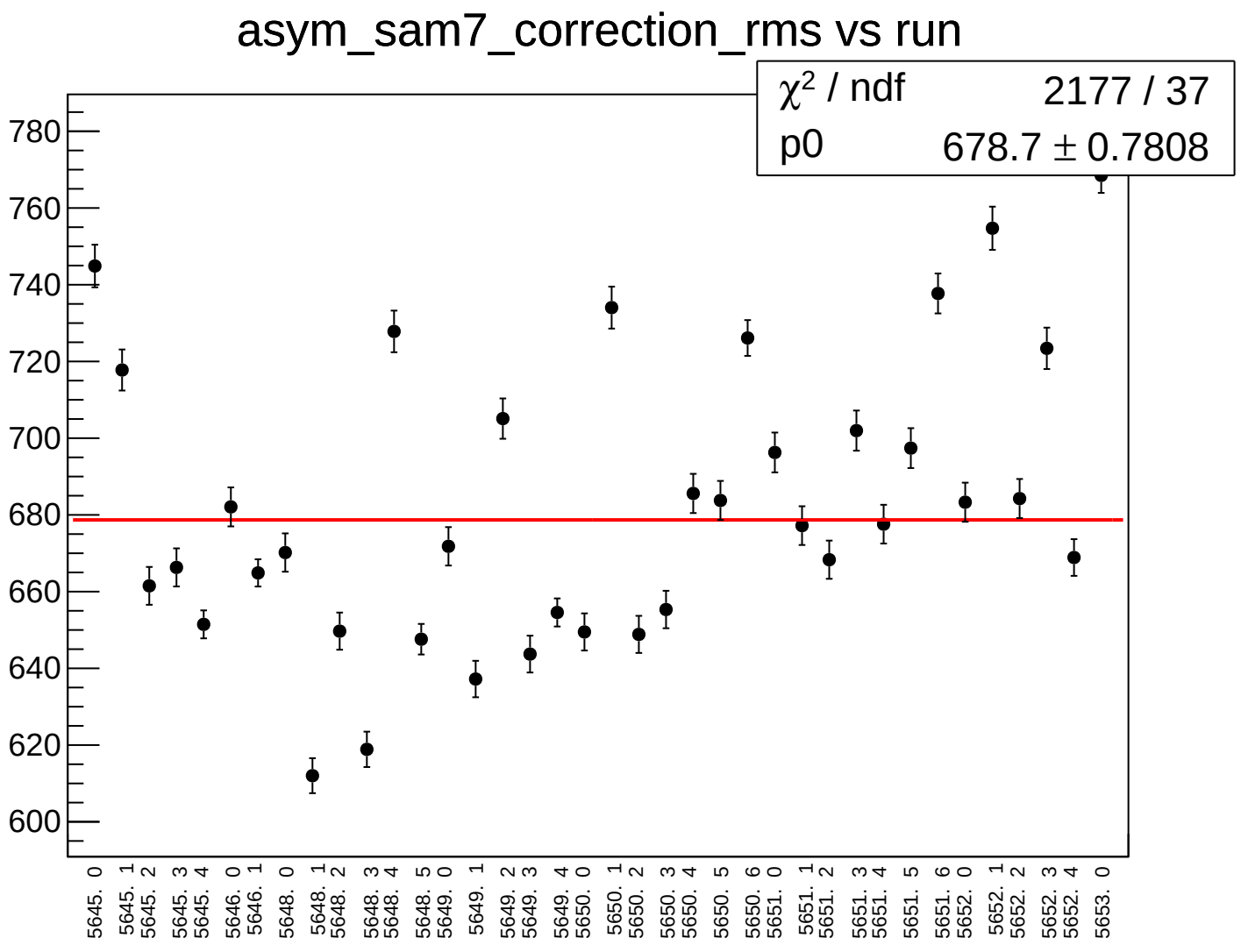

dit_asym_sam7_mean vs run
χ² / ndf 41.41 / 37
p0 116.3 ± 147
4000
3000
2000
1000
0
−1000
−2000
−3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 41.71
Std Dev 35.83
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

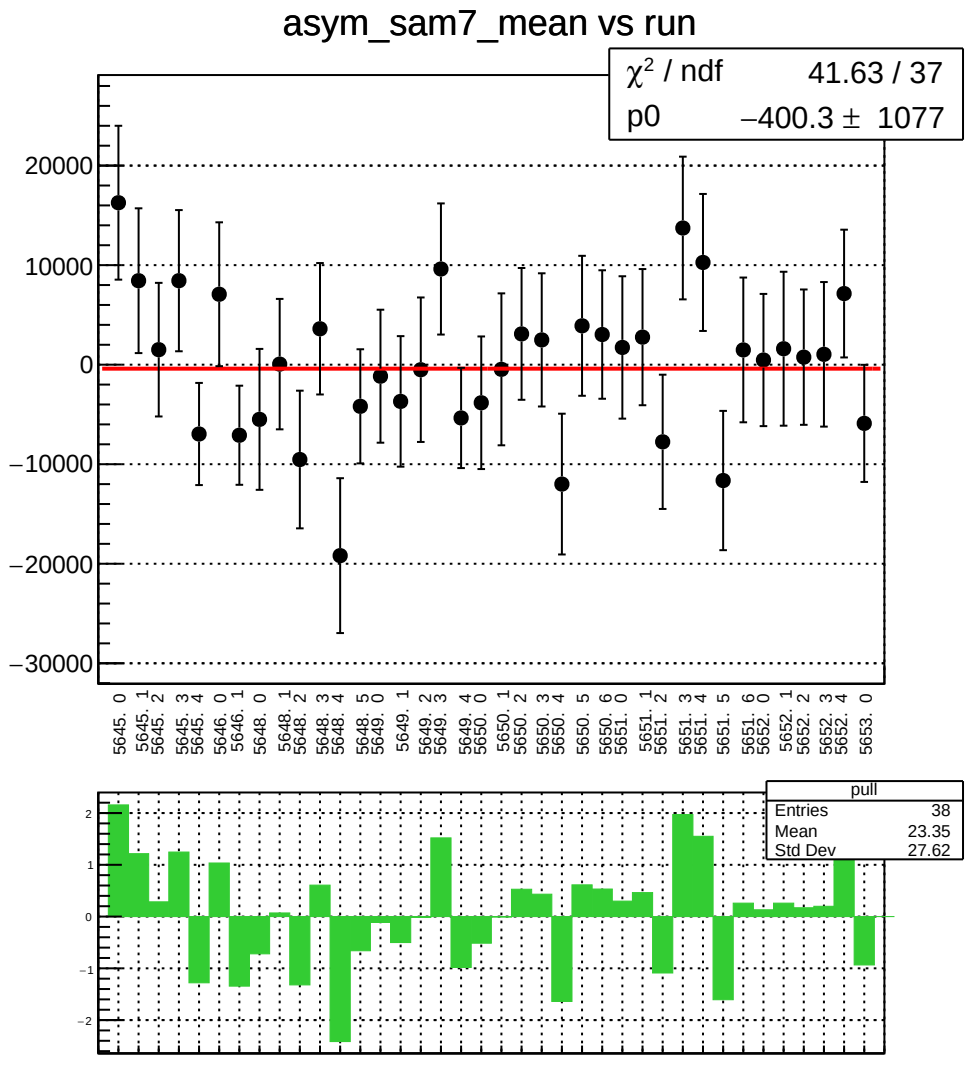

pull1D
Entries 38
Mean 0.03238
Std Dev 1.043
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

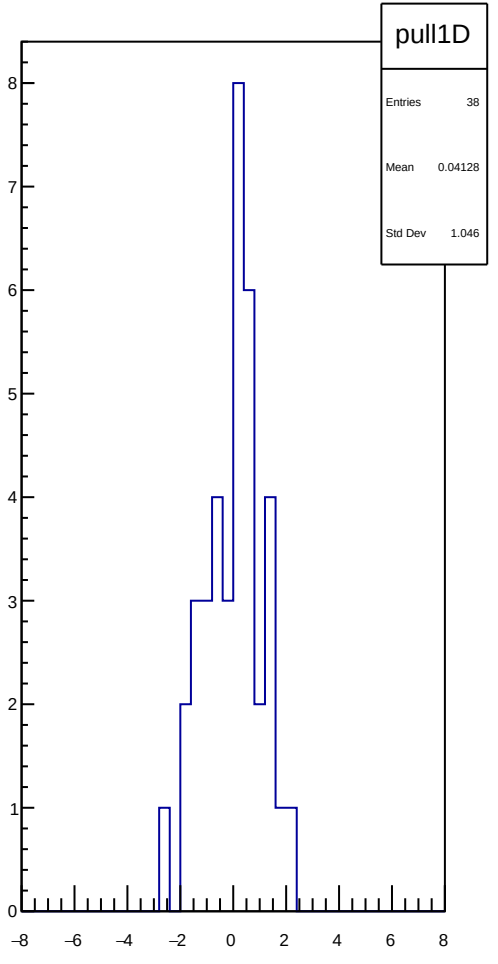

dit_asym_sam7_rms vs run
χ² / ndf 5.189e+04 / 37
p0 87.33 ± 0.1039
160
140
120
100
80
60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

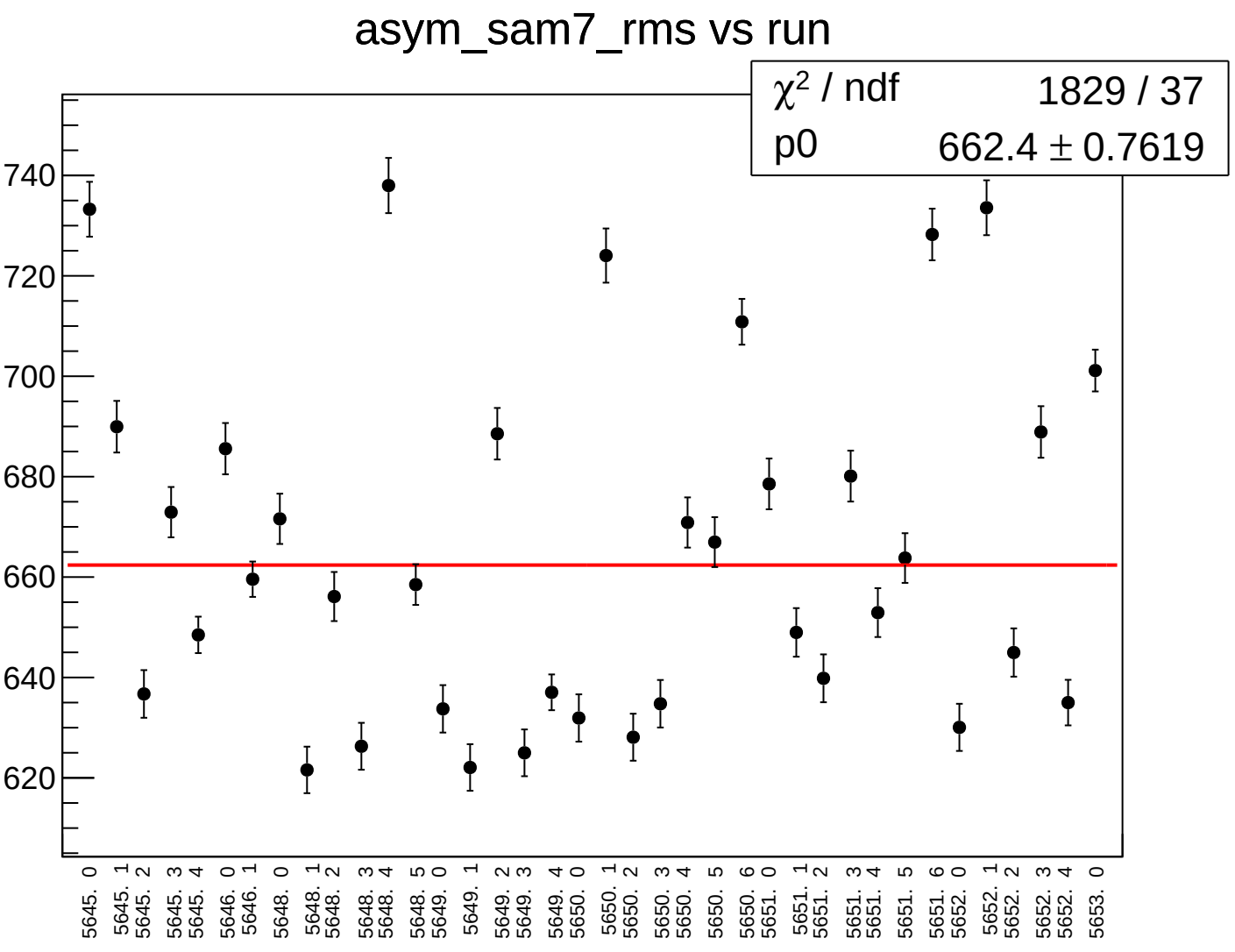

asym_sam7_correction_mean vs run
χ² / ndf 43.42 / 37
p0 595 ± 1104
30000
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 22.86
Std Dev 28.95
2
1
0
−1
−2

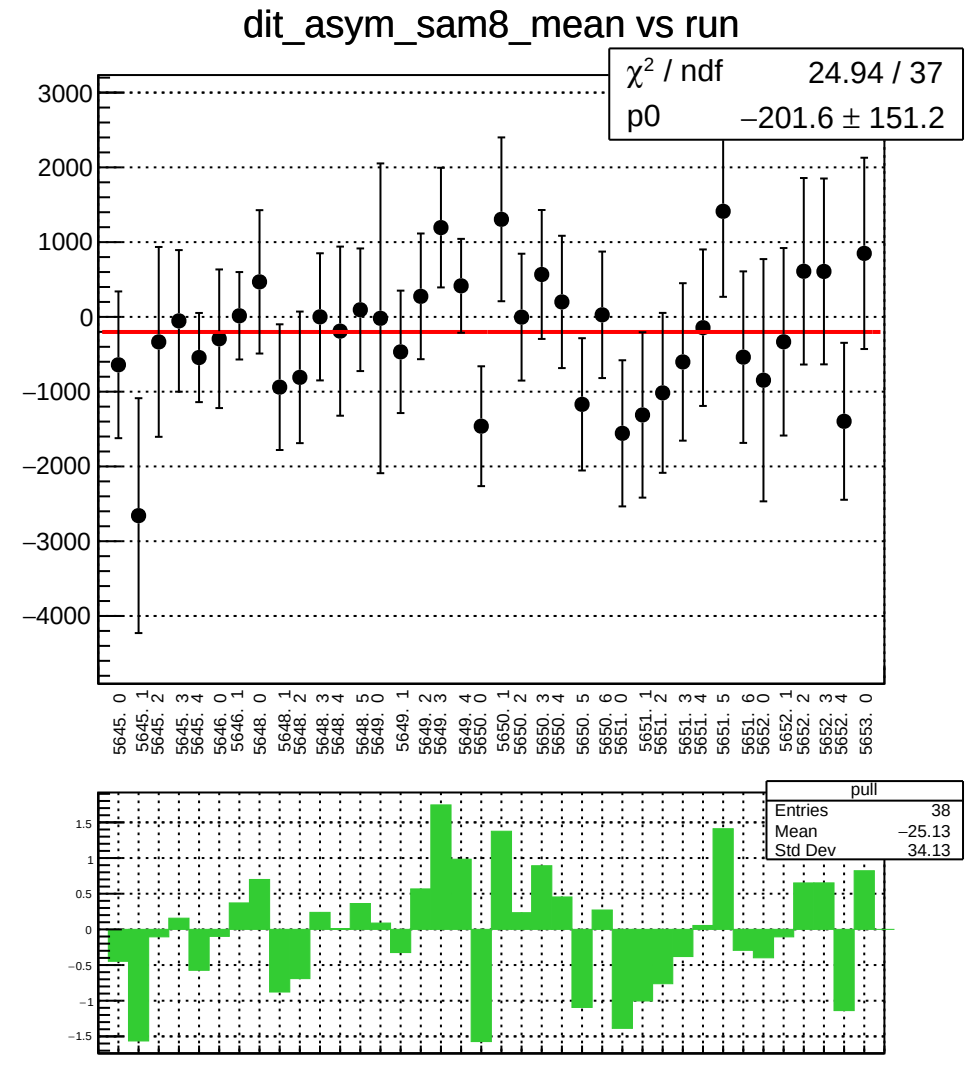

pull1D
Entries 38
Mean −0.04213
Std Dev 1.068
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

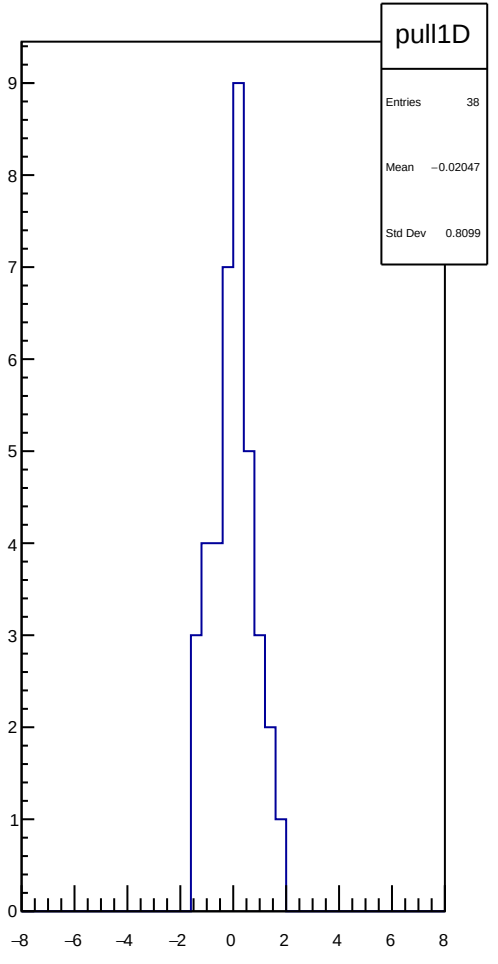

asym_sam7_correction_rms vs run
χ² / ndf 2177 / 37
p0 678.7 ± 0.7808
780
760
740
720
700
680
660
640
620
600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

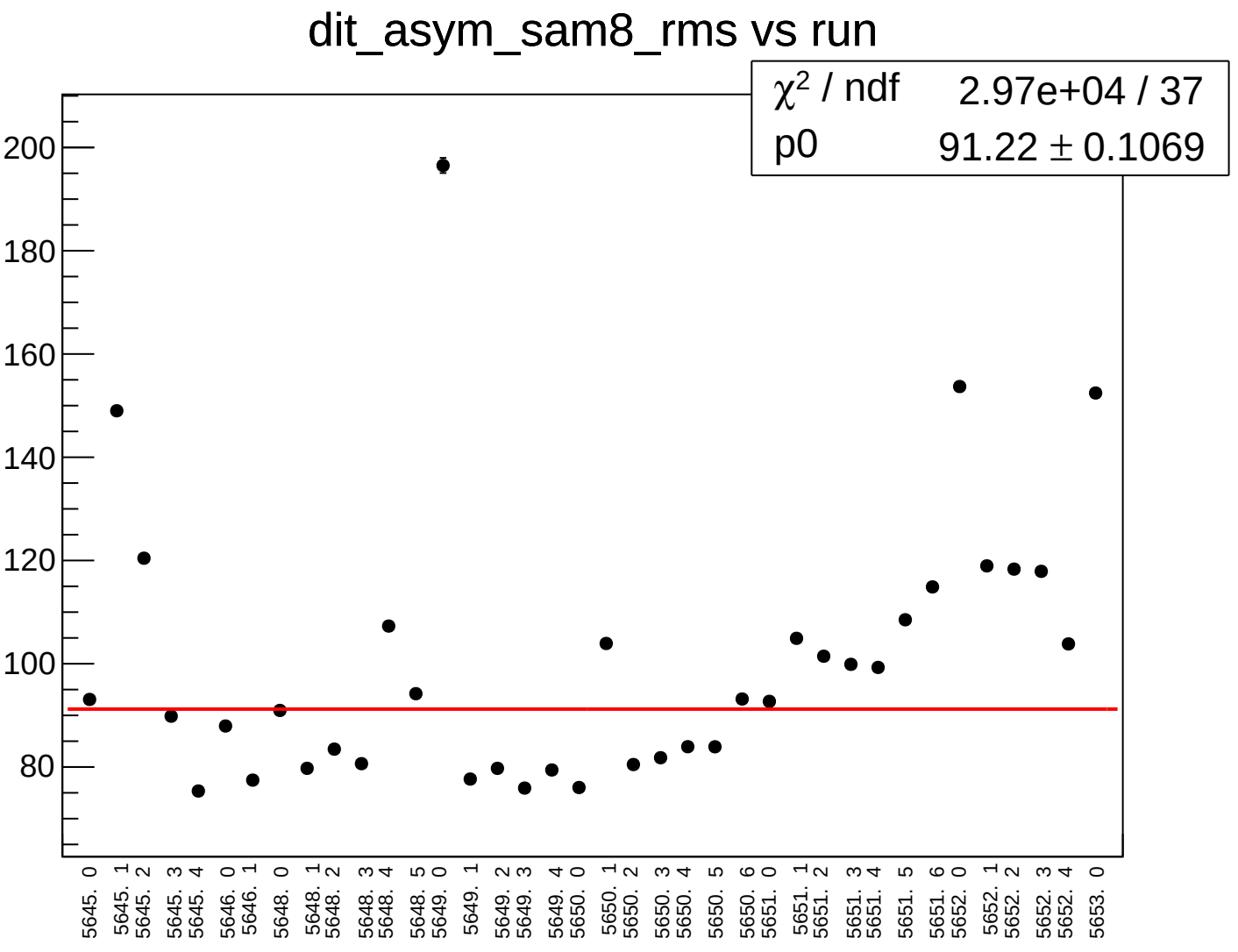

asym_sam7_mean vs run
χ² / ndf 41.63 / 37
p0 −400.3 ± 1077
20000
10000
0
−10000
−20000
−30000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 23.35
Std Dev 27.62
2
1
0
−1
−2

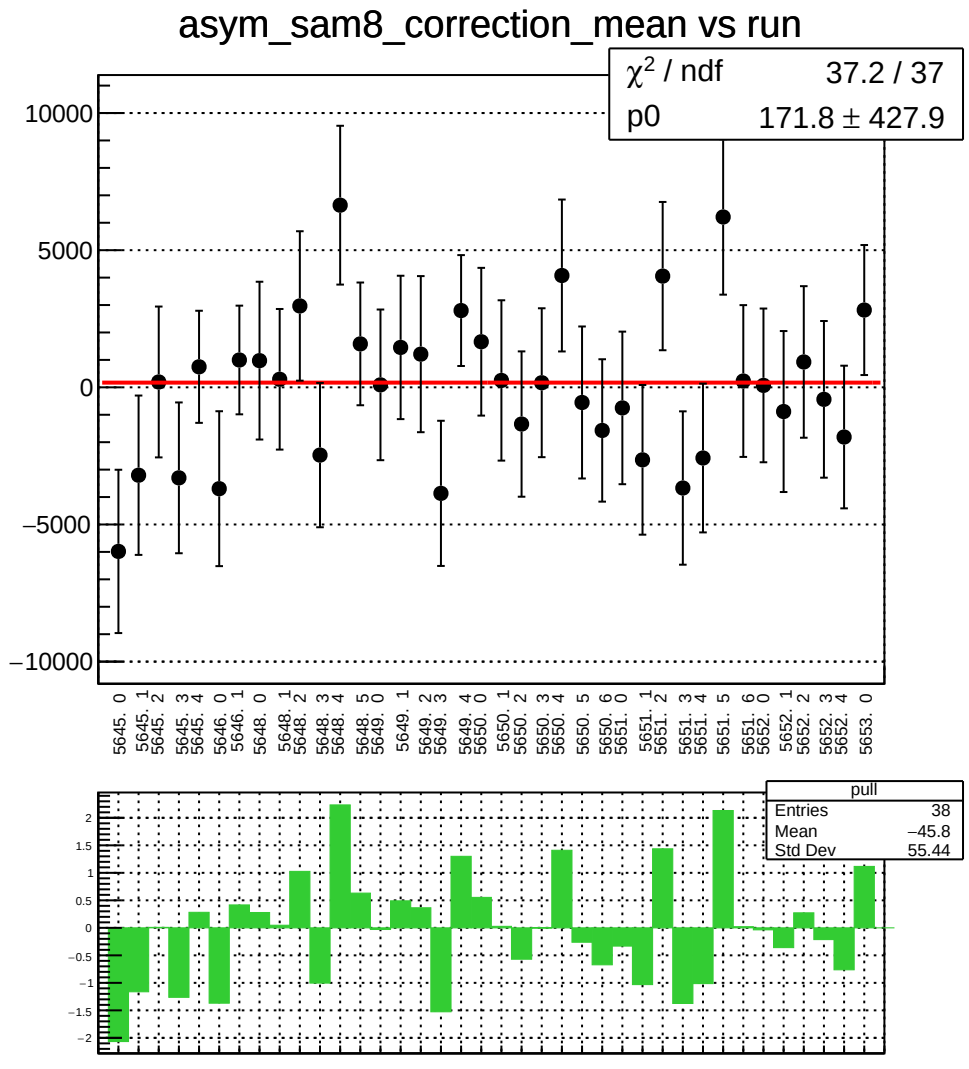

pull1D
Entries 38
Mean 0.04128
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

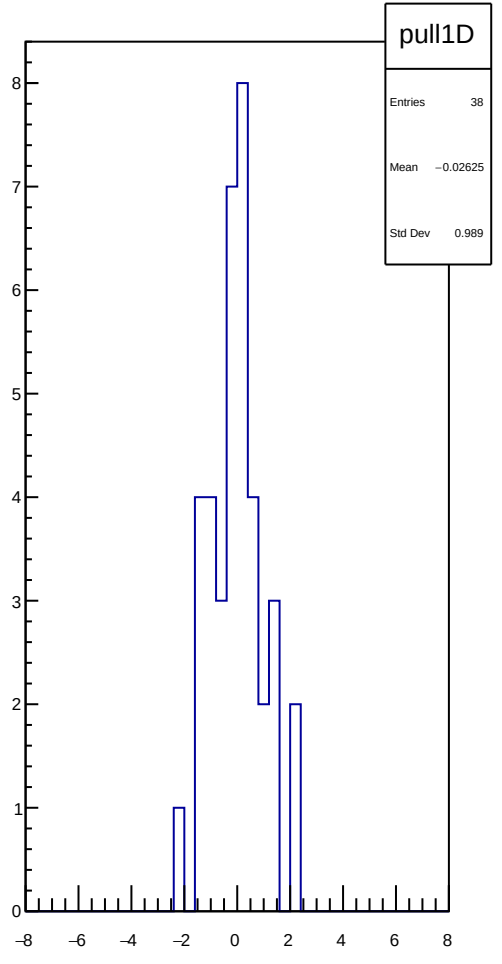

asym_sam7_rms vs run
χ² / ndf 1829 / 37
p0 662.4 ± 0.7619
740
720
700
680
660
640
620
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

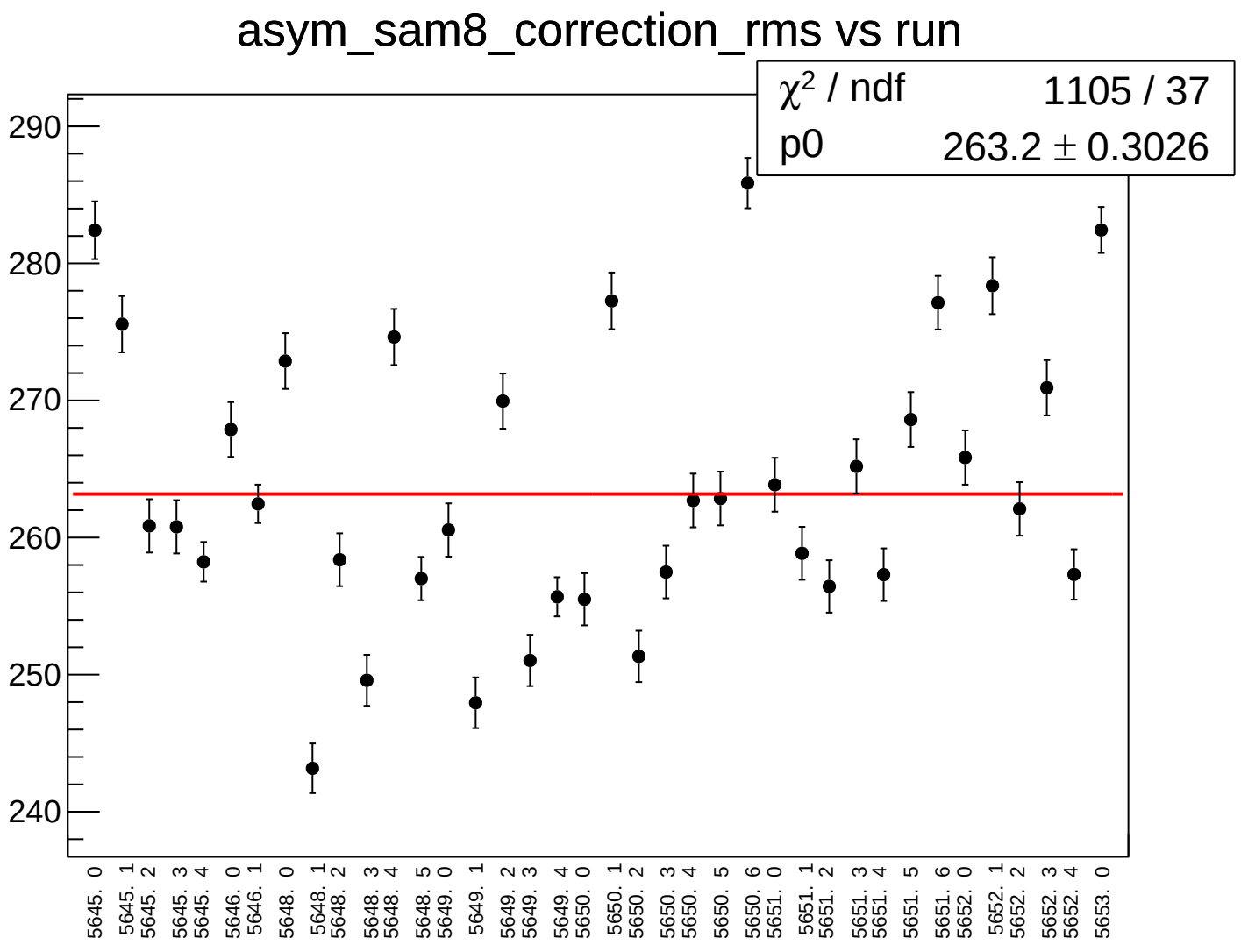

dit_asym_sam8_mean vs run
χ² / ndf 24.94 / 37
p0 −201.6 ± 151.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −25.13
Std Dev 34.13
1.5
1
0.5
0
−0.5
−1
−1.5

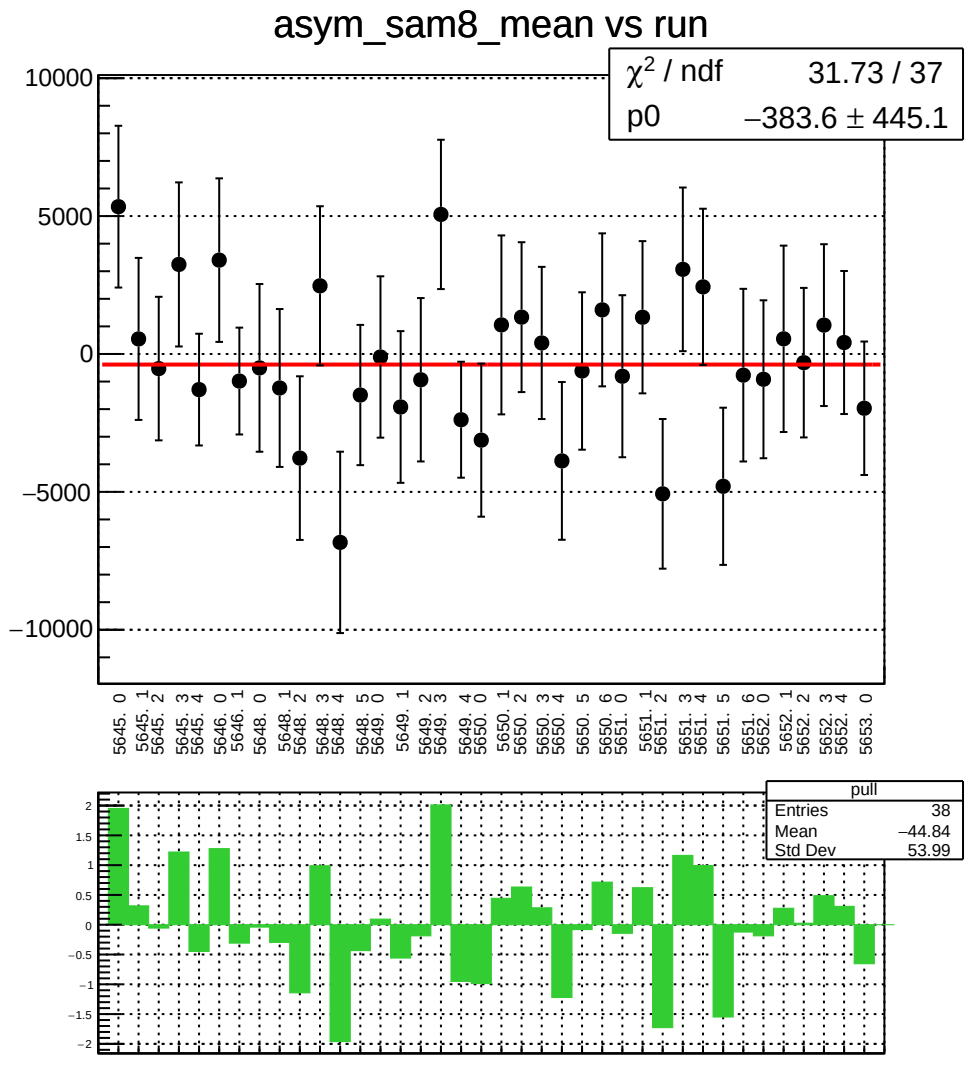

pull1D
Entries 38
Mean −0.02047
Std Dev 0.8099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

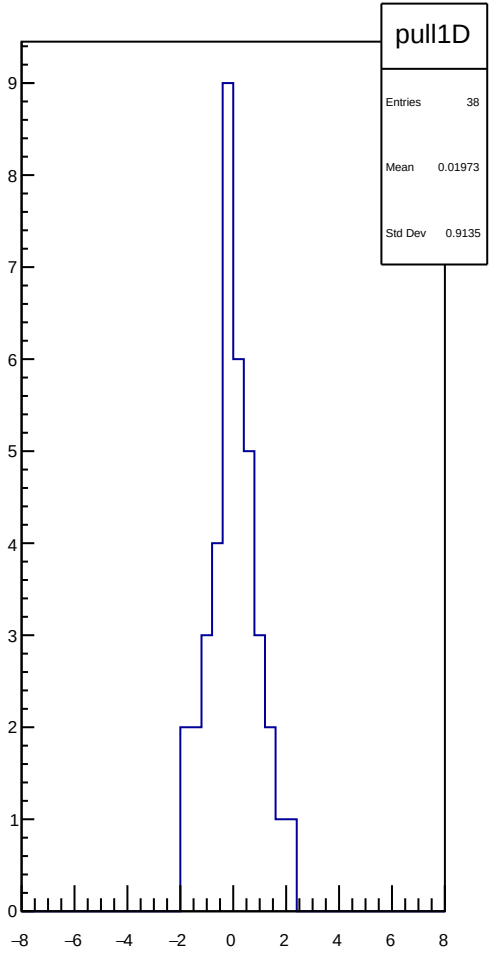

dit_asym_sam8_rms vs run
χ² / ndf 2.97e+04 / 37
p0 91.22 ± 0.1069
200
180
160
140
120
100
80
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

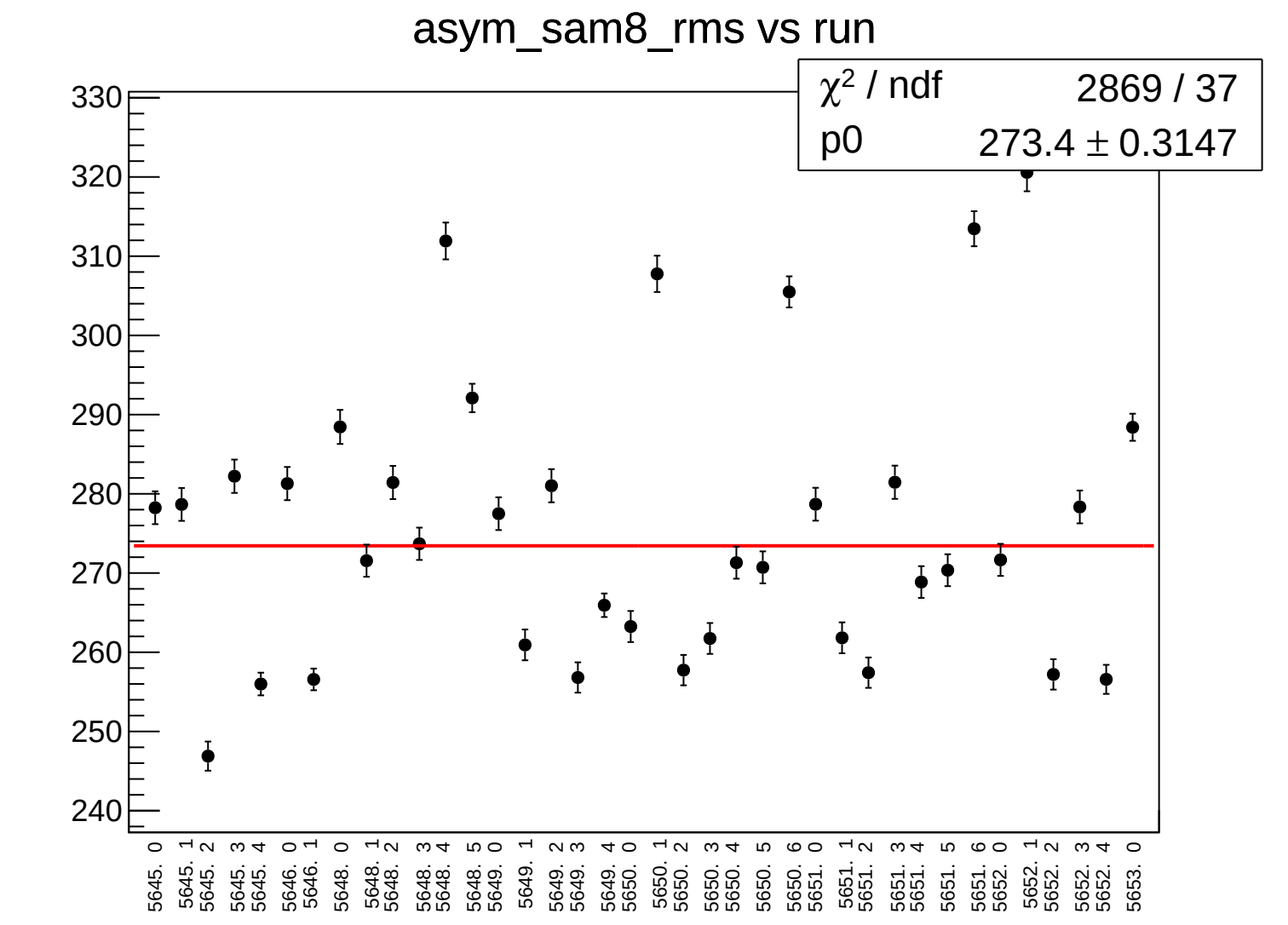

asym_sam8_correction_mean vs run
χ² / ndf 37.2 / 37
p0 171.8 ± 427.9
10000
5000
0
−5000
−10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −45.8
Std Dev 55.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

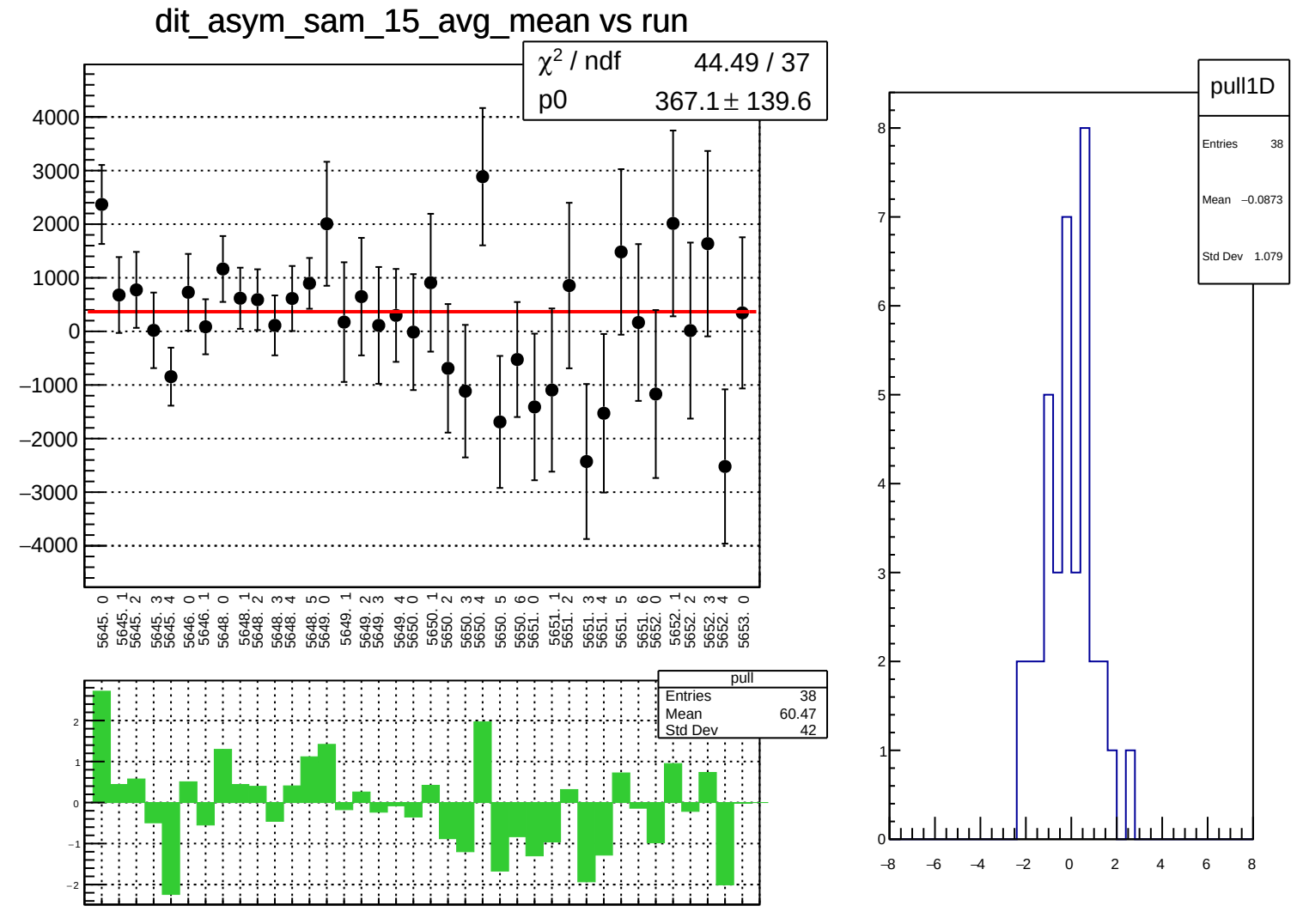

pull1D
Entries 38
Mean −0.02625
Std Dev 0.989
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

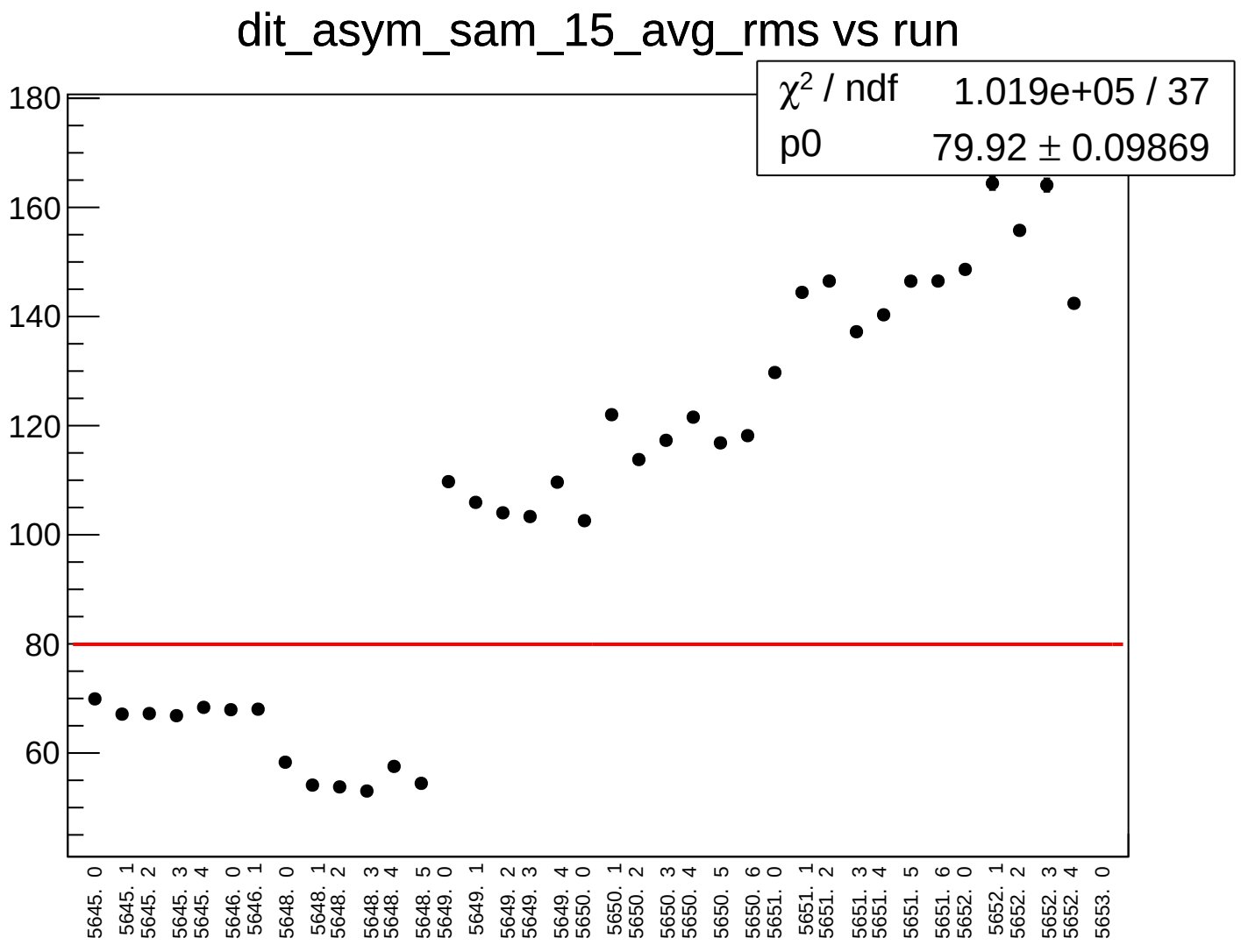

asym_sam8_correction_rms vs run
χ² / ndf 1105 / 37
p0 263.2 ± 0.3026
290
280
270
260
250
240
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

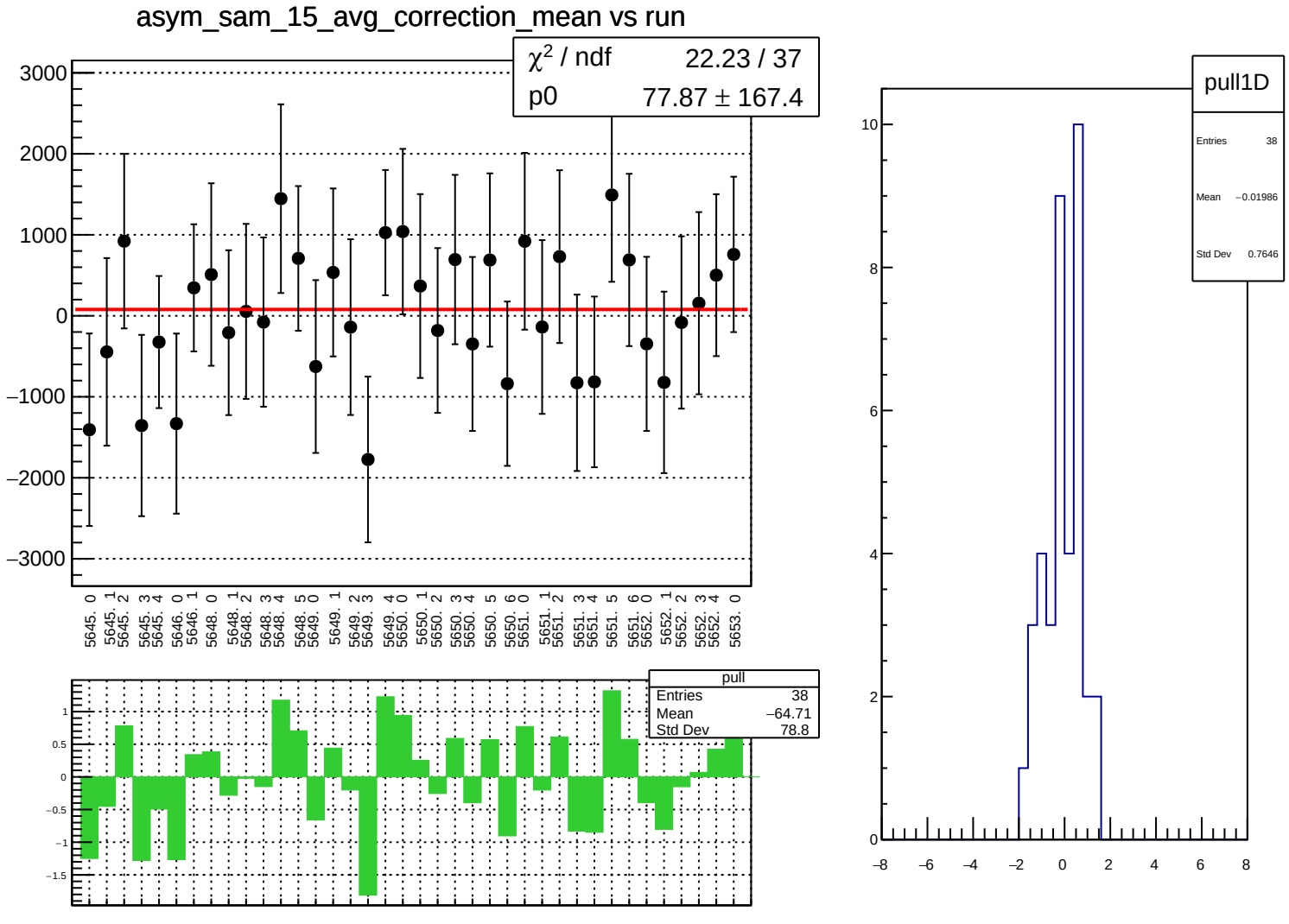

asym_sam8_mean vs run
χ² / ndf 31.73 / 37
p0 −383.6 ± 445.1
10000
5000
0
−5000
−10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −44.84
Std Dev 53.99
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

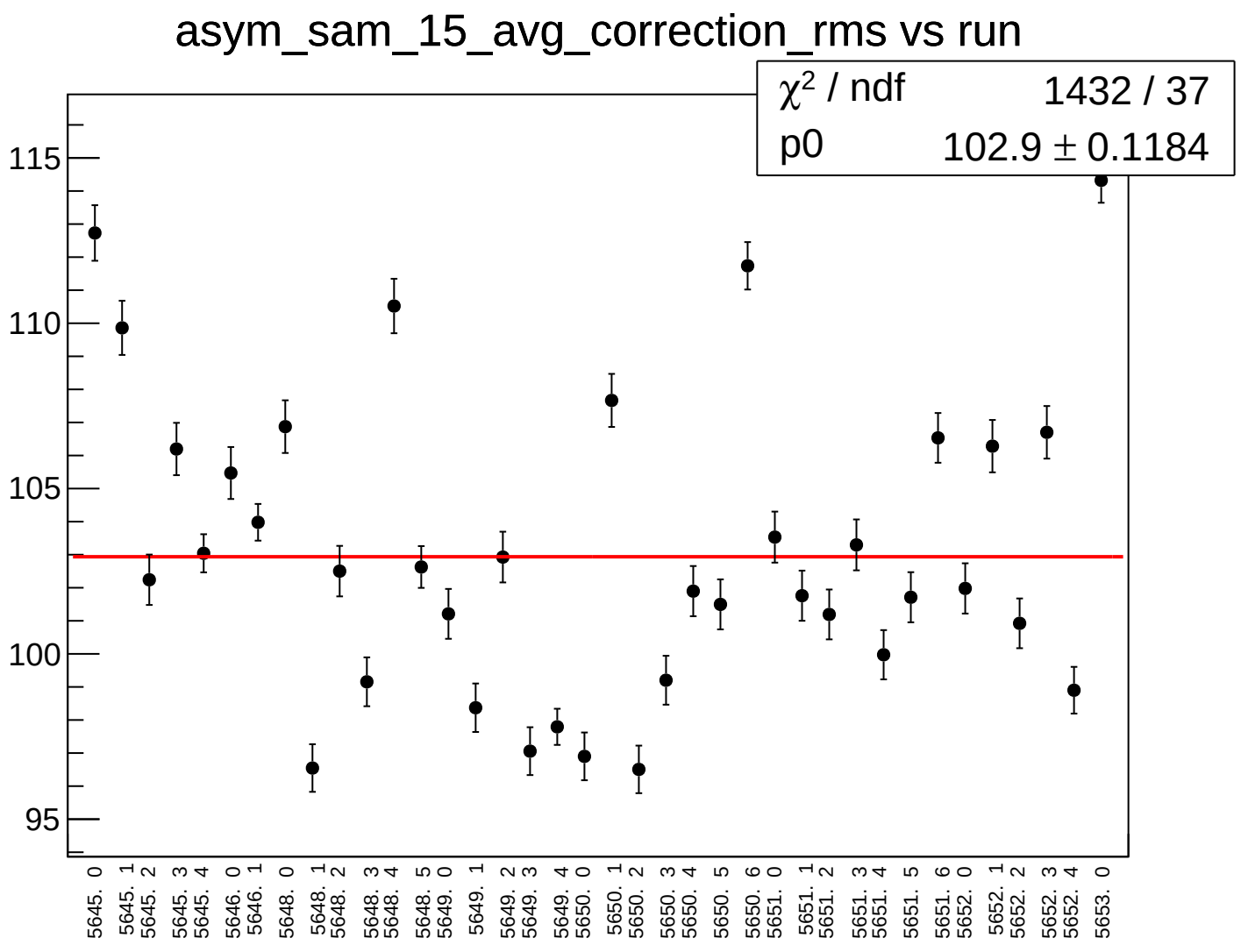

pull1D
Entries 38
Mean 0.01973
Std Dev 0.9135
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

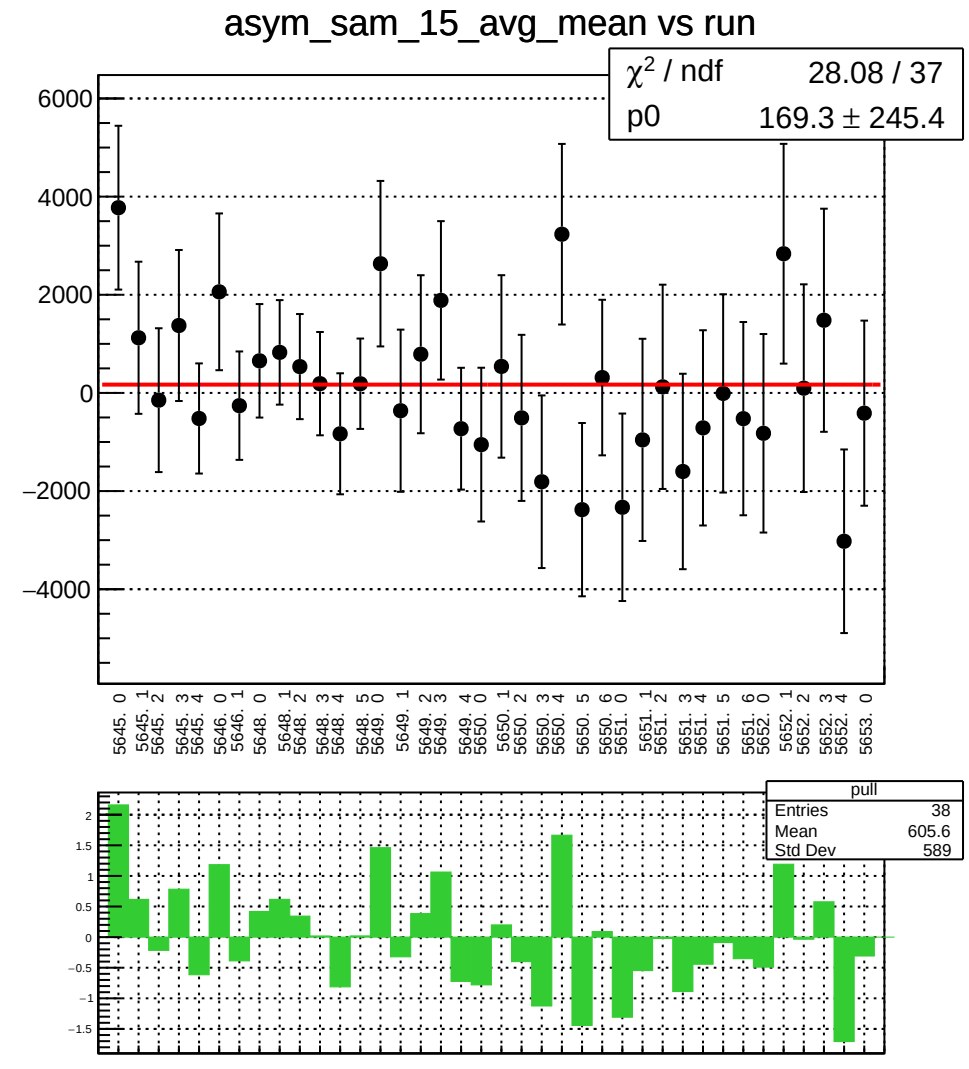

asym_sam8_rms vs run
χ² / ndf 2869 / 37
p0 273.4 ± 0.3147
330
320
310
300
290
280
270
260
250
240
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

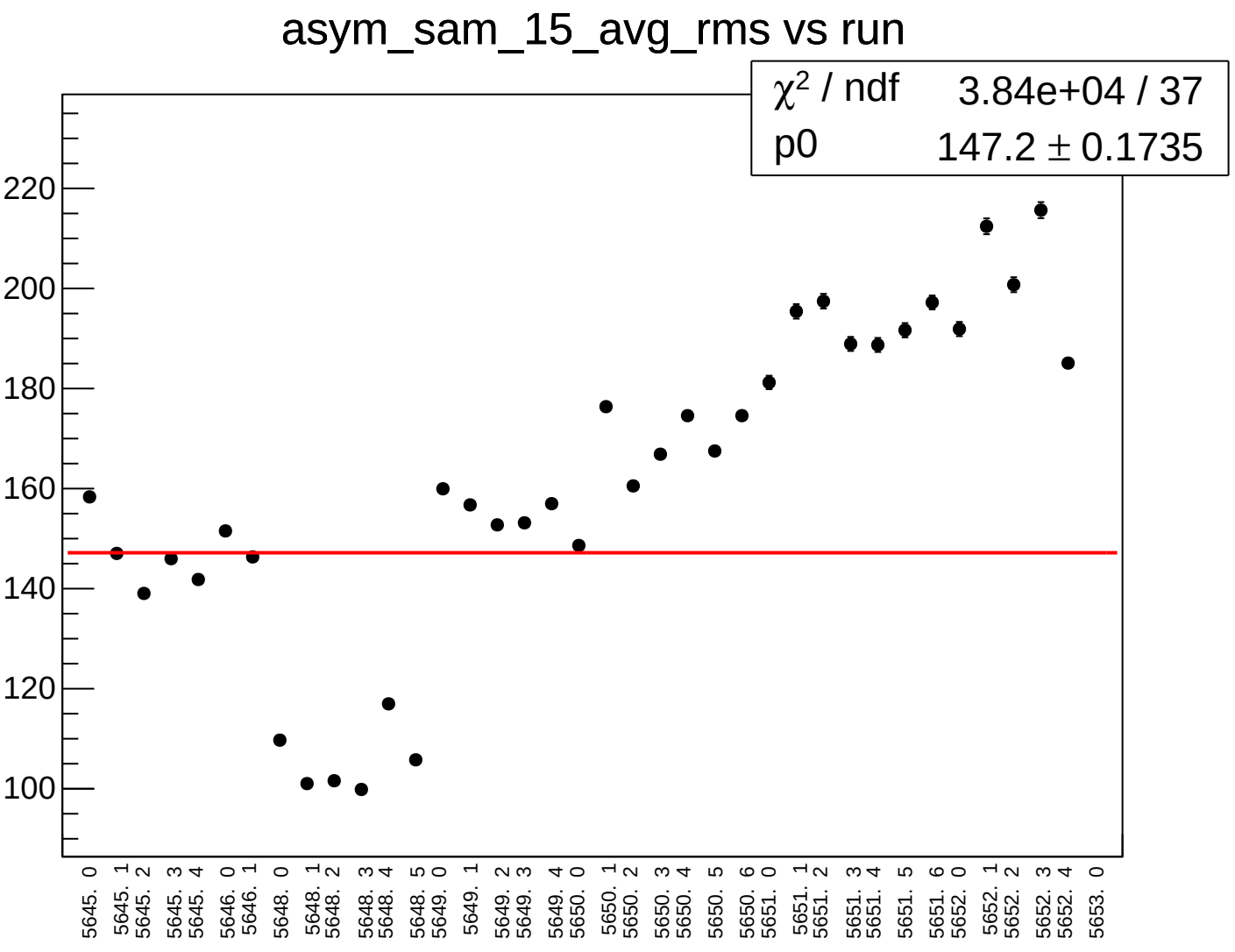

dit_asym_sam_15_avg_mean vs run
χ² / ndf 44.49 / 37
p0 367.1 ± 139.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 60.47
Std Dev 42
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.0873
Std Dev 1.079
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

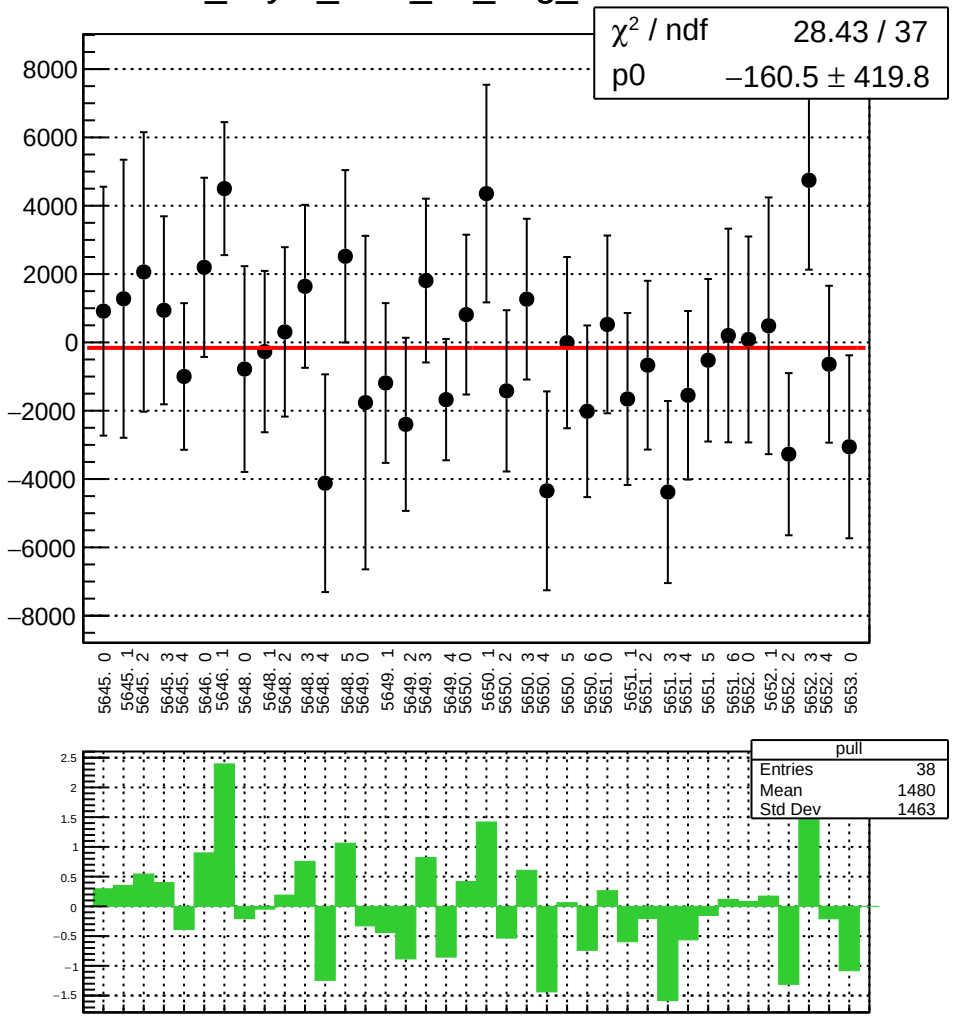

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.019e+05 / 37
p0 79.92 ± 0.09869
180
160
140
120
100
80
60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

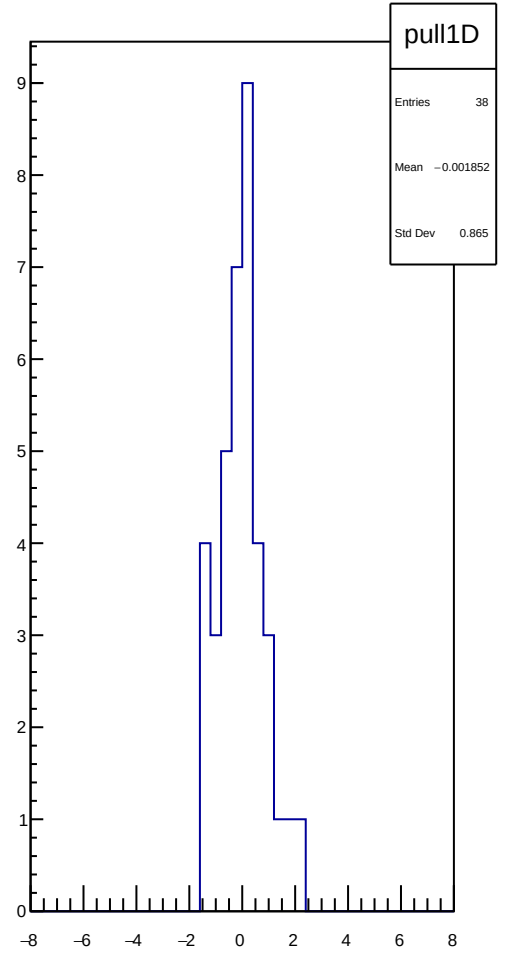

asym_sam_15_avg_correction_mean vs run
χ² / ndf 22.23 / 37
p0 77.87 ± 167.4
3000
2000
1000
0
−1000
−2000
−3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −64.71
Std Dev 78.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean −0.01986
Std Dev 0.7646
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

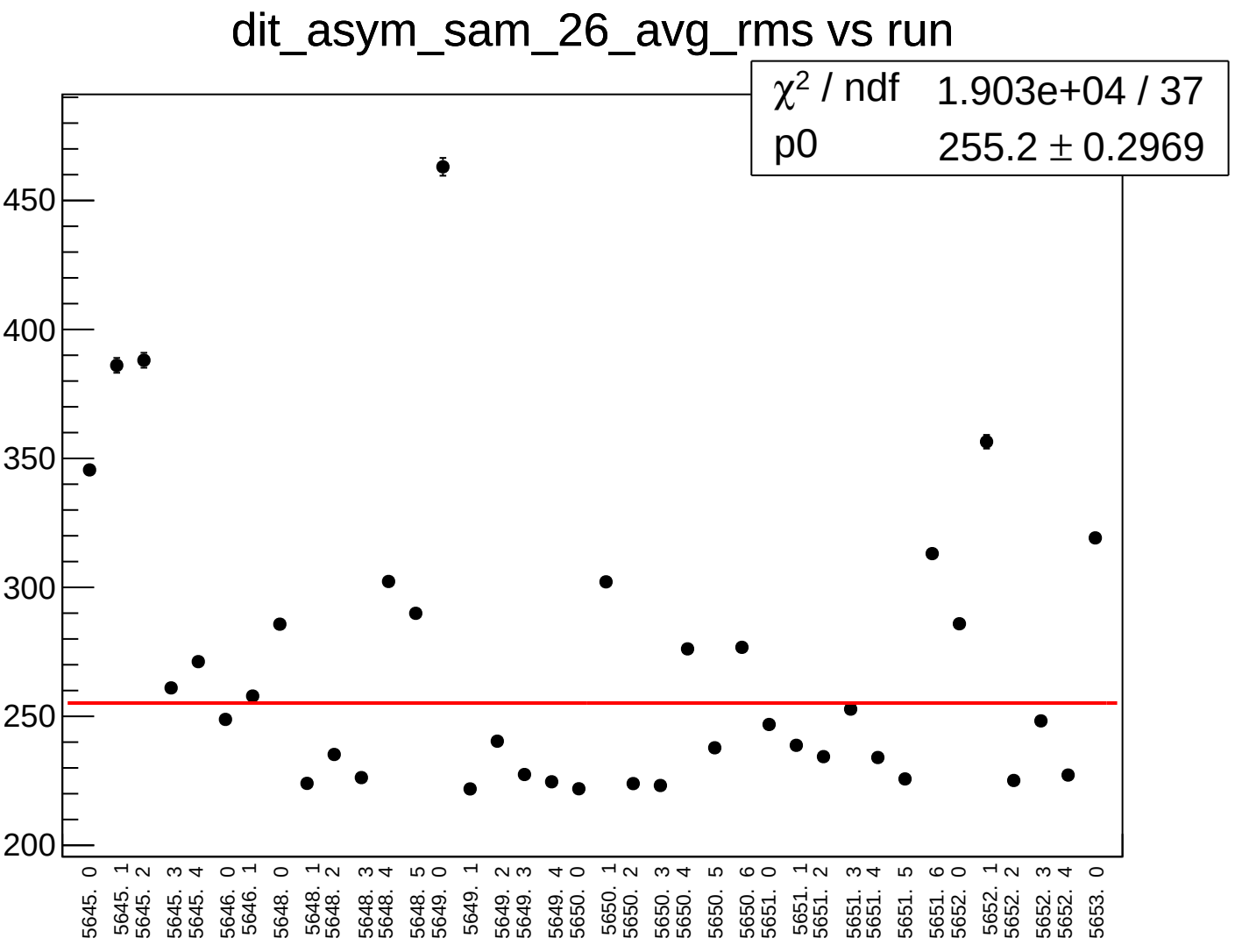

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1432 / 37
p0 102.9 ± 0.1184
115
110
105
100
95
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

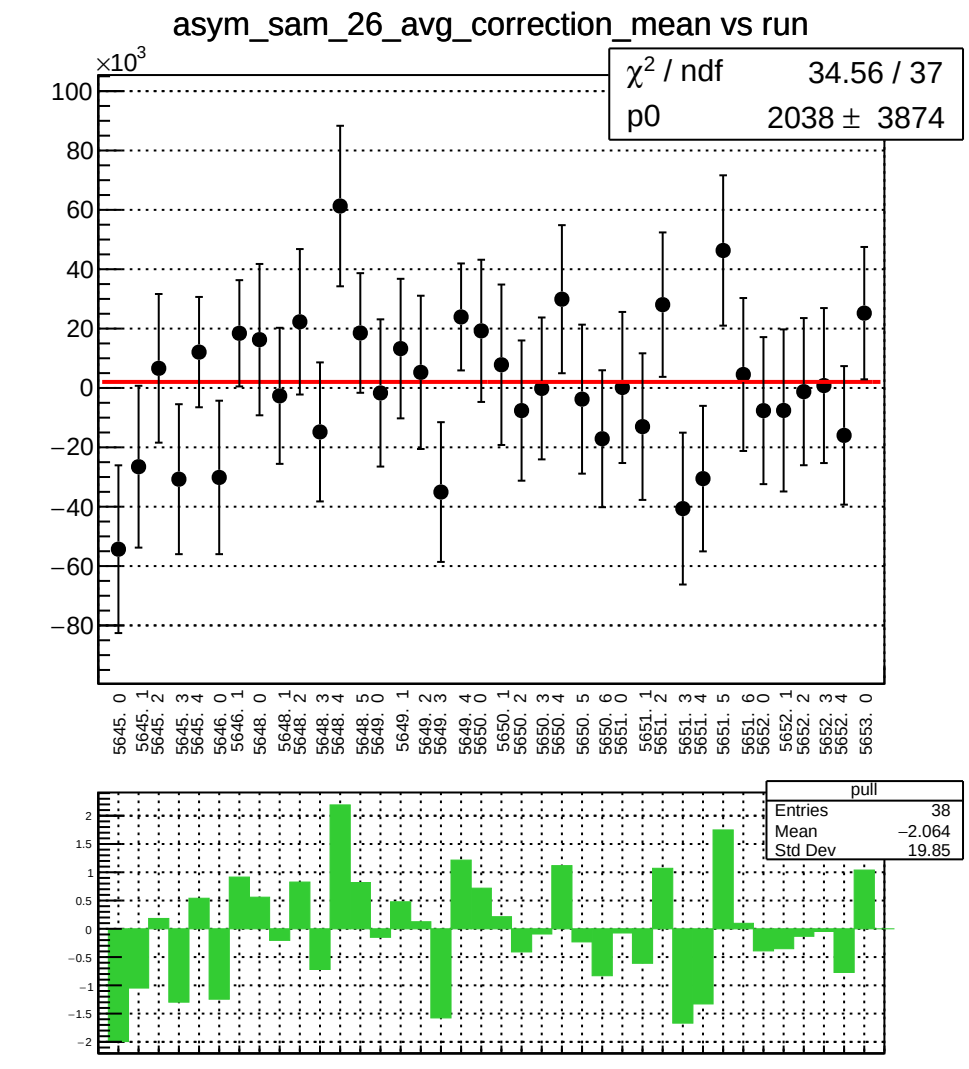

asym_sam_15_avg_mean vs run
χ² / ndf 28.08 / 37
p0 169.3 ± 245.4
6000
4000
2000
0
−2000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 605.6
Std Dev 589
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean −0.005837
Std Dev 0.8596
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

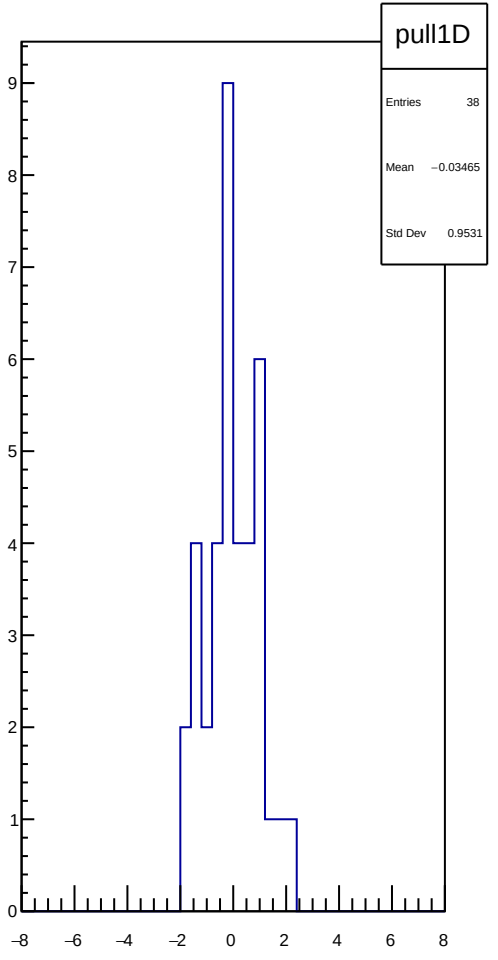

asym_sam_15_avg_rms vs run
χ² / ndf 3.84e+04 / 37
p0 147.2 ± 0.1735
220
200
180
160
140
120
100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

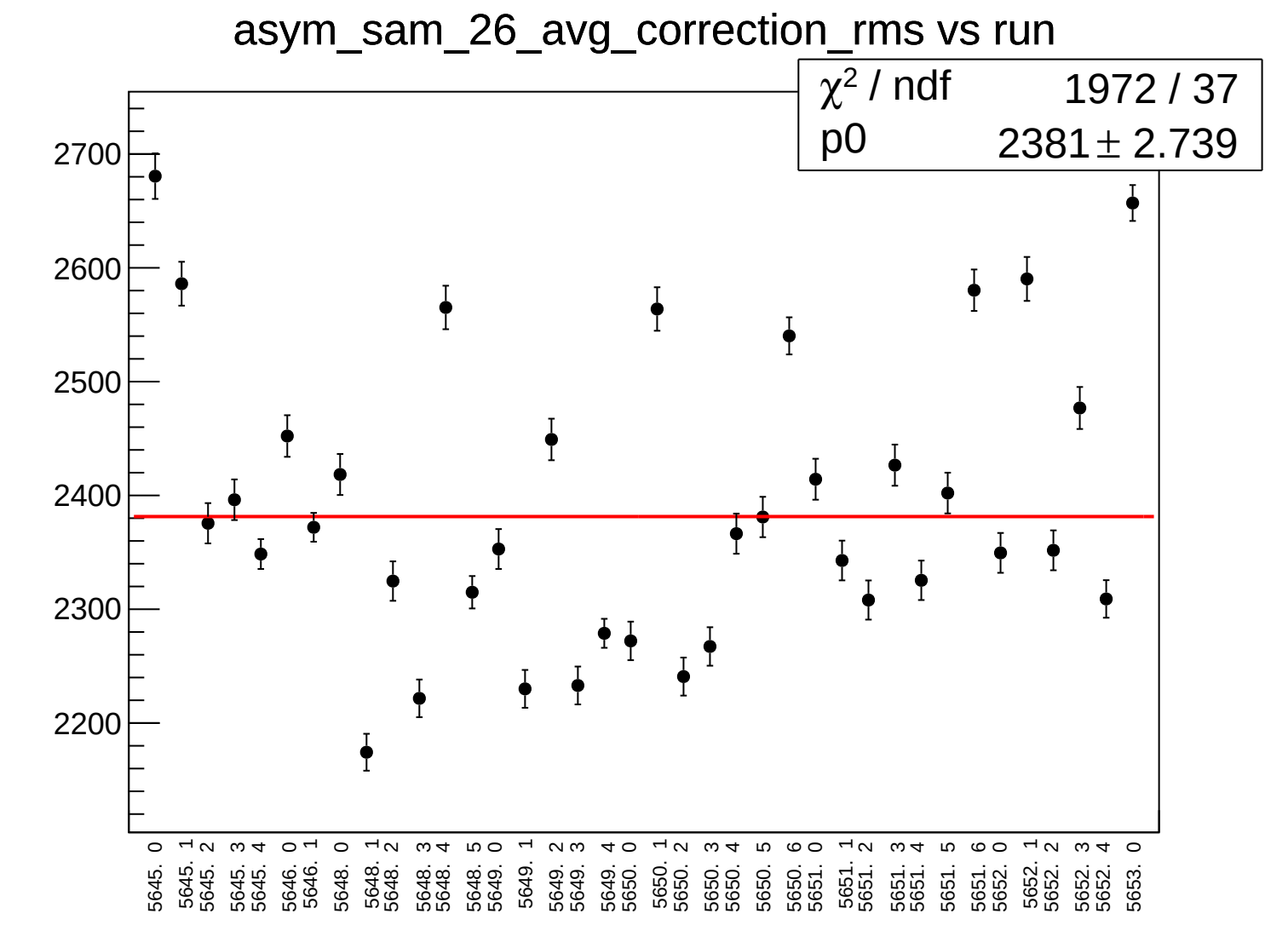

dit_asym_sam_26_avg_mean vs run
χ² / ndf 28.43 / 37
p0 −160.5 ± 419.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 1480
Std Dev 1463
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

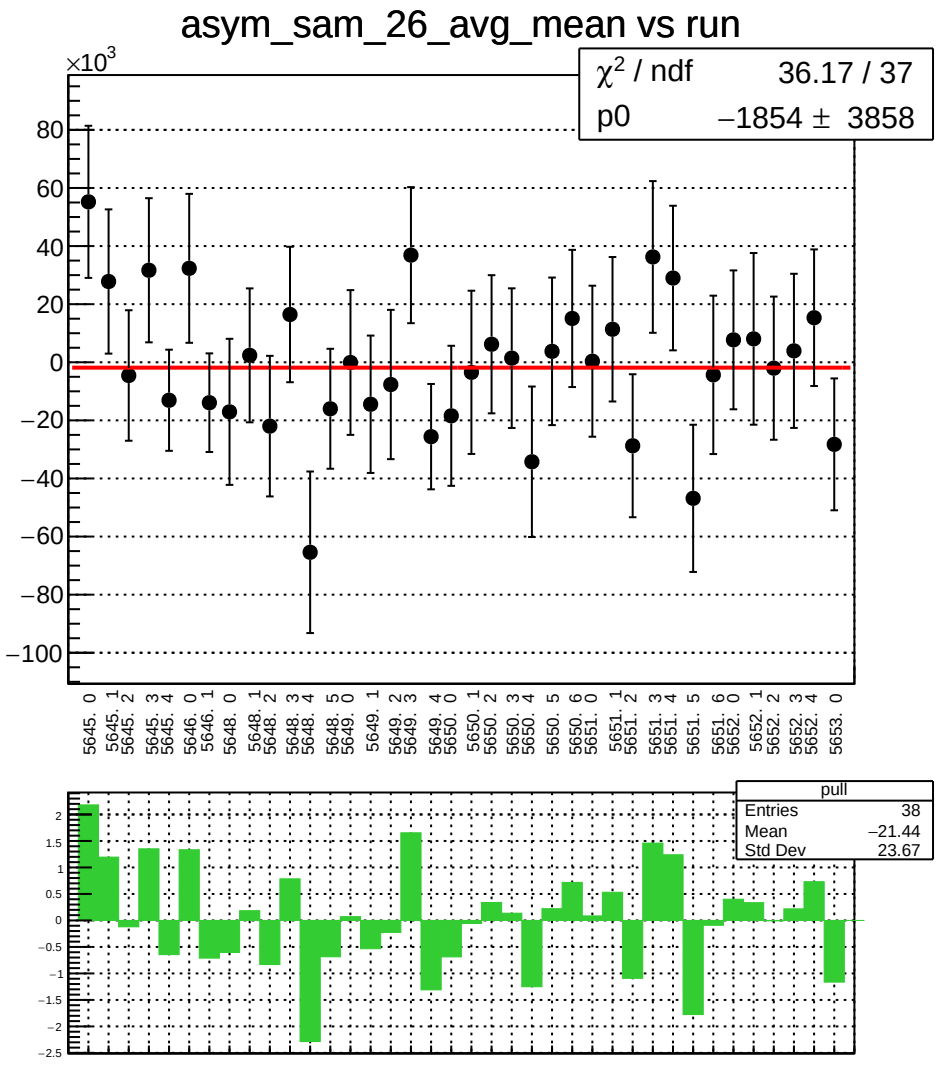

pull1D
Entries 38
Mean −0.001852
Std Dev 0.865
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

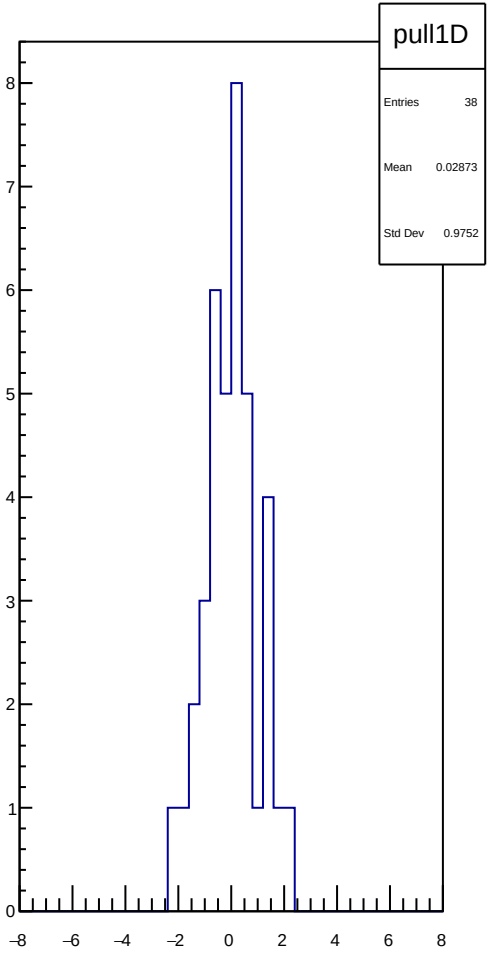

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.903e+04 / 37
p0 255.2 ± 0.2969
450
400
350
300
250
200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

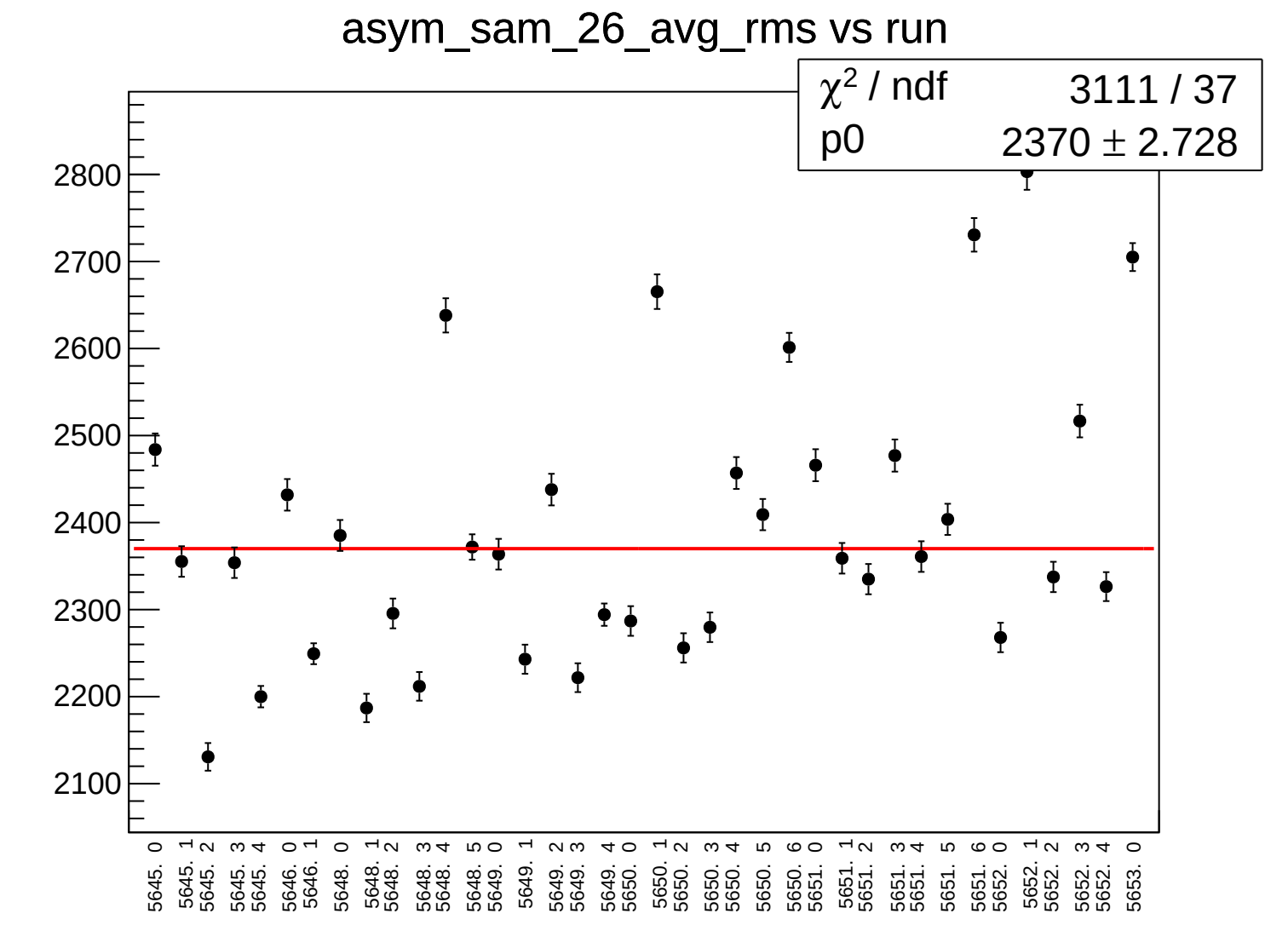

asym_sam_26_avg_correction_mean vs run
×10^3
χ^2 / ndf 34.56 / 37
p0 2038 ± 3874
100
80
60
40
20
0
−20
−40
−60
−80
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −2.064
Std Dev 19.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

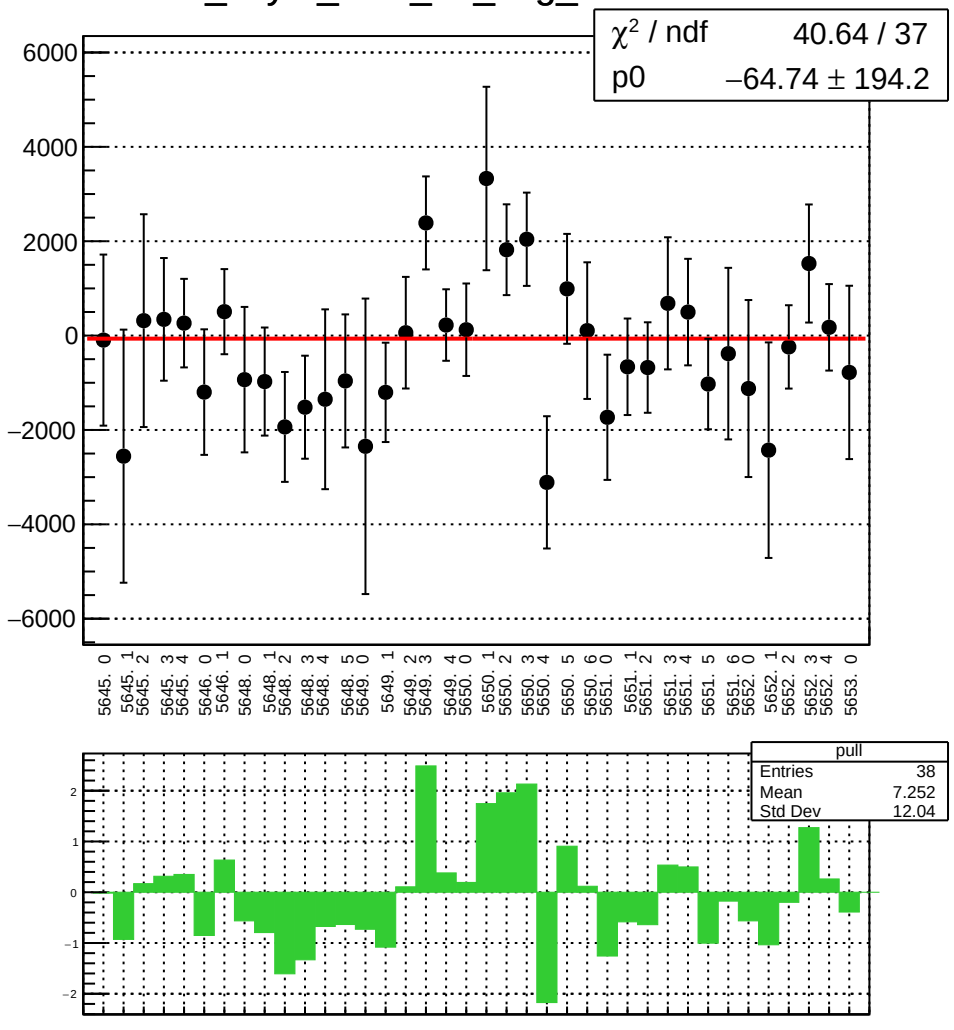

pull1D
Entries 38
Mean −0.03465
Std Dev 0.9531
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

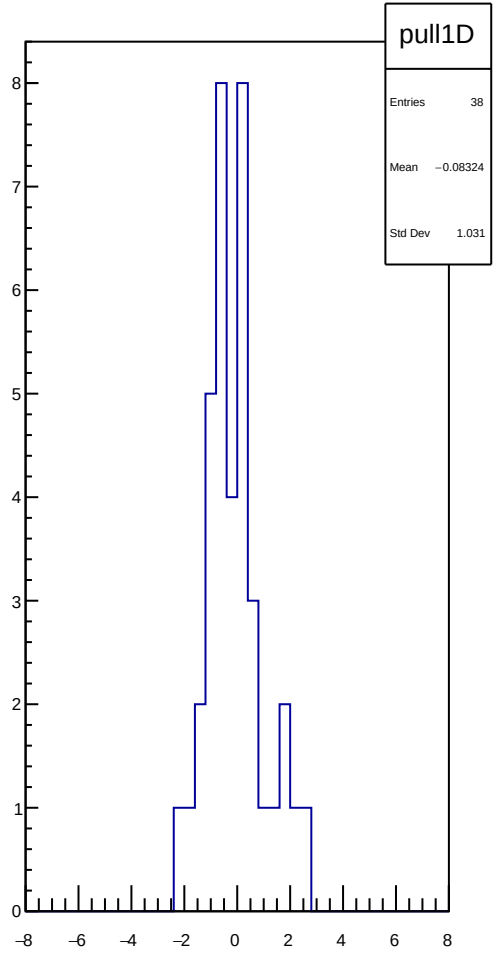

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1972 / 37
p0 2381 ± 2.739
2700
2600
2500
2400
2300
2200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

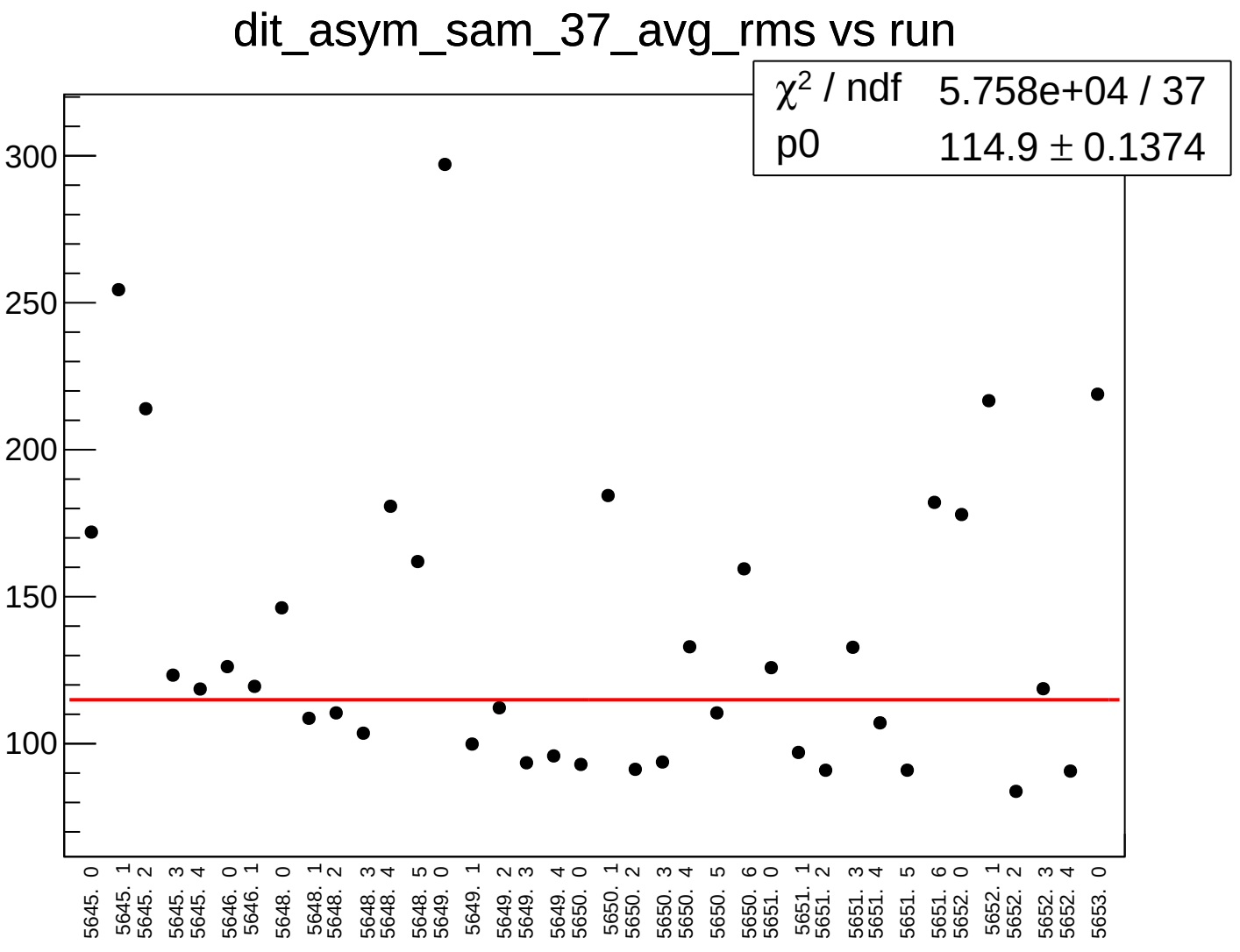

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 36.17 / 37
p0 −1854 ± 3858
80
60
40
20
0
−20
−40
−60
−80
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −21.44
Std Dev 23.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

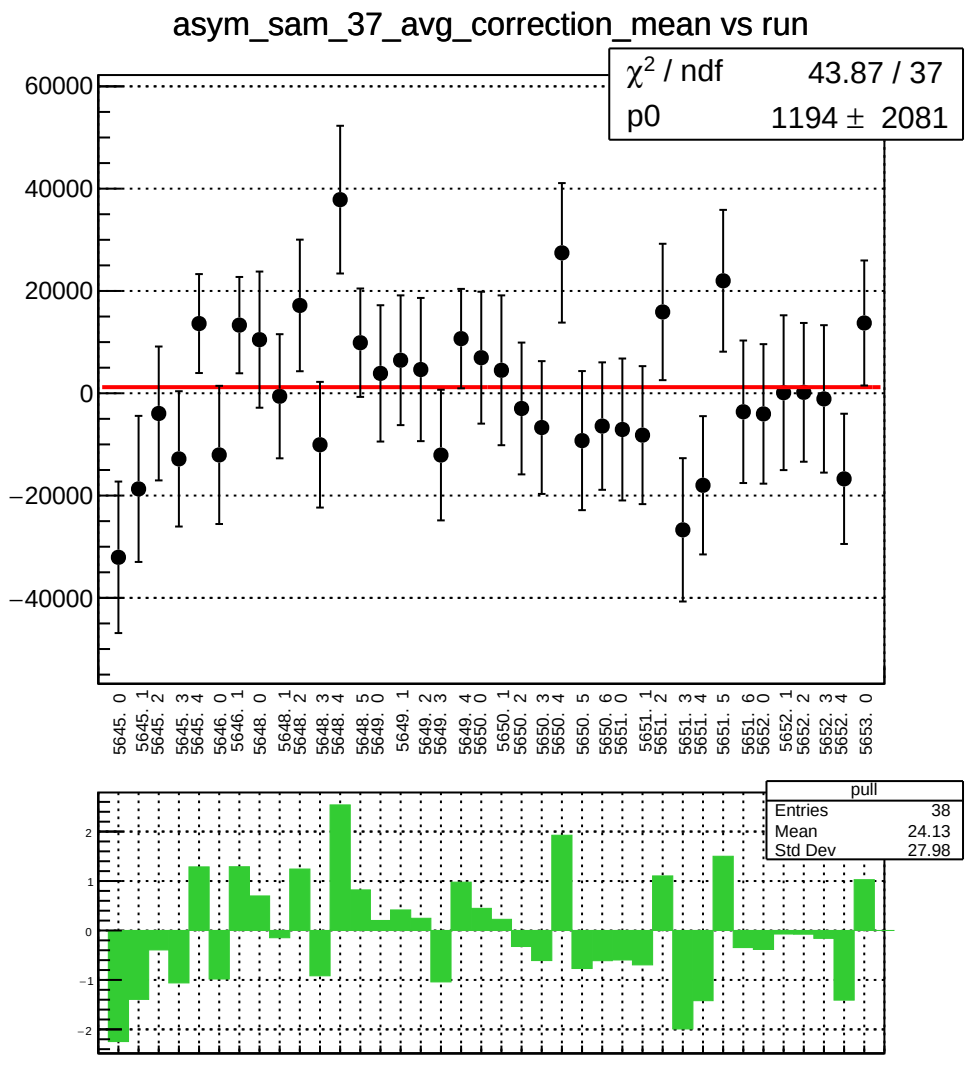

pull1D
Entries 38
Mean 0.02873
Std Dev 0.9752
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

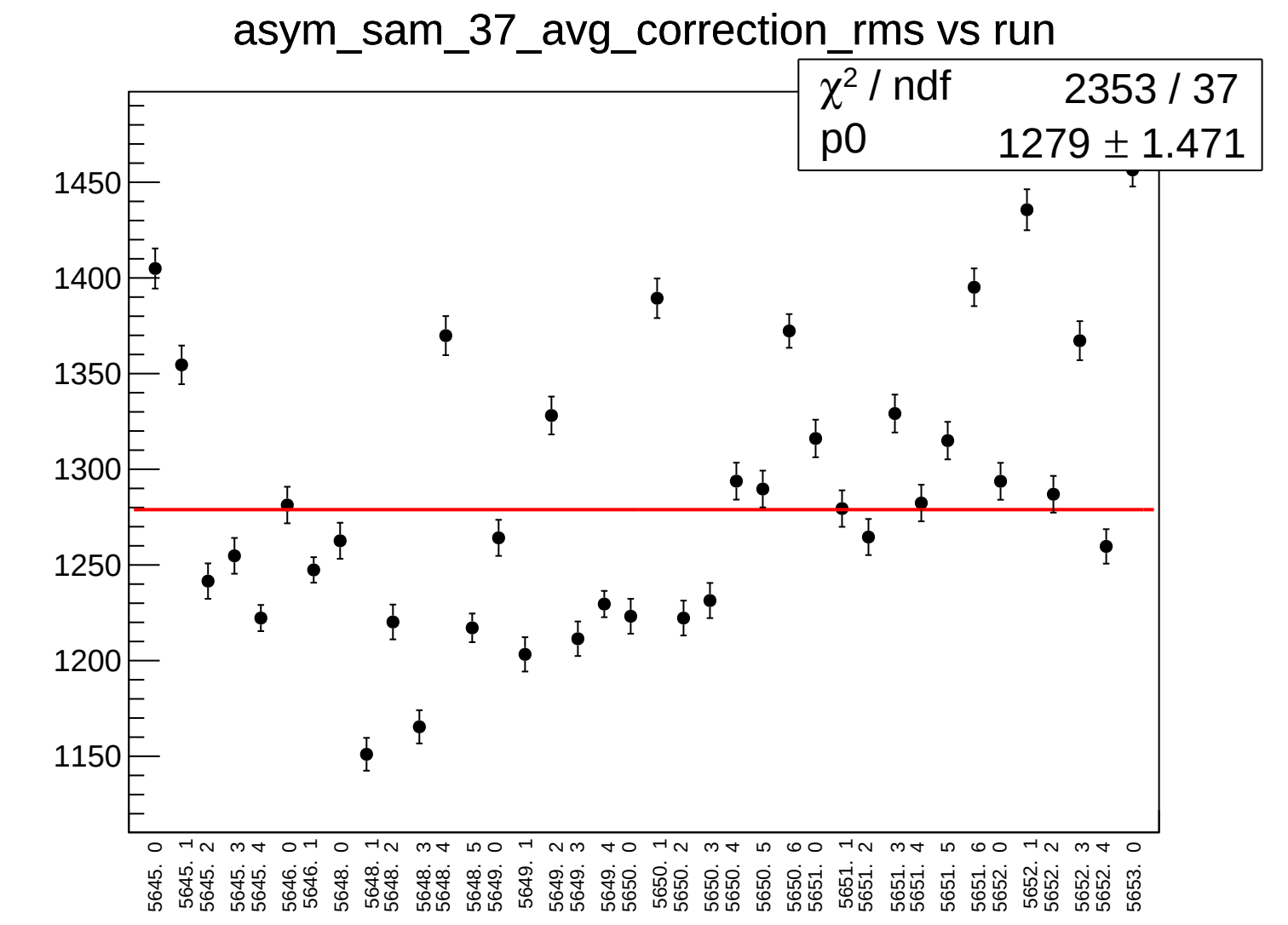

asym_sam_26_avg_rms vs run
χ² / ndf 3111 / 37
p0 2370 ± 2.728
2800
2700
2600
2500
2400
2300
2200
2100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

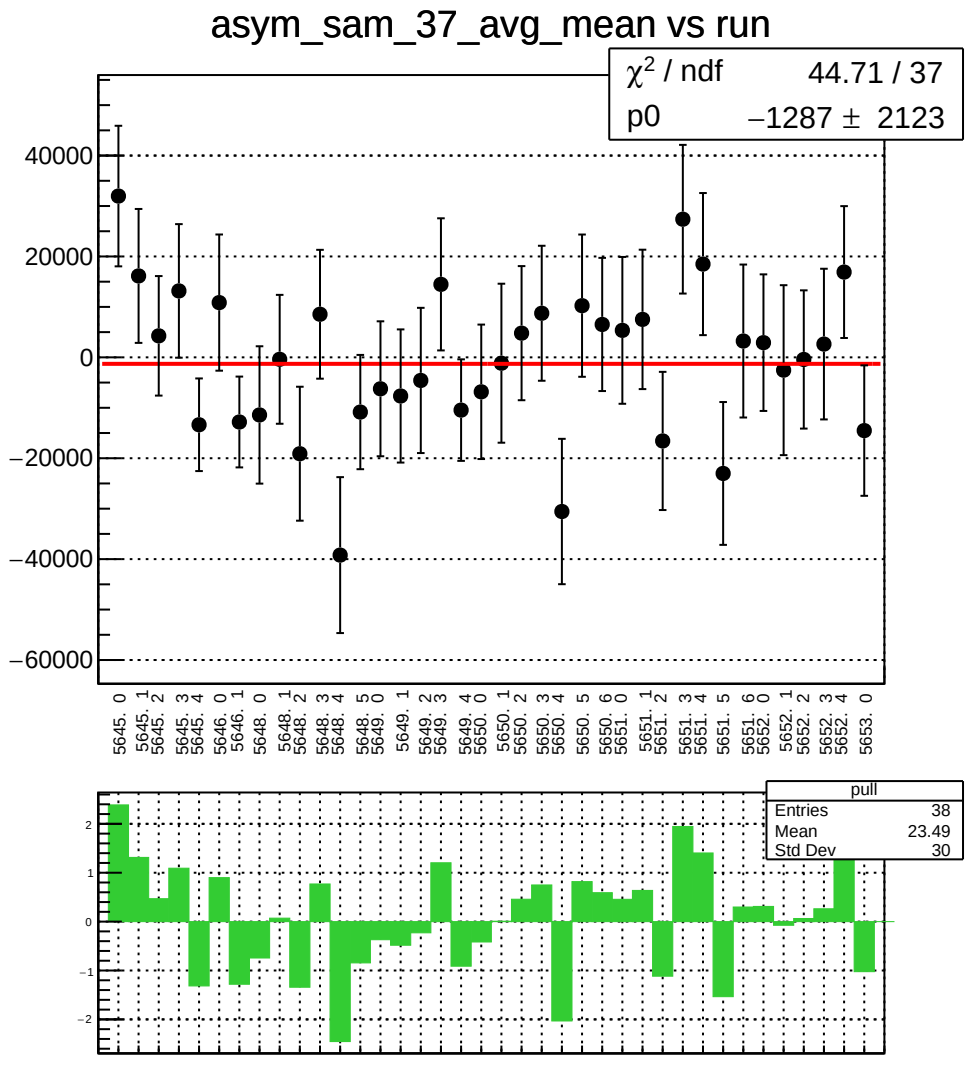

dit_asym_sam_37_avg_mean vs run
χ² / ndf 40.64 / 37
p0 −64.74 ± 194.2
6000
4000
2000
0
−2000
−4000
−6000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 7.252
Std Dev 12.04
2
1
0
−1
−2

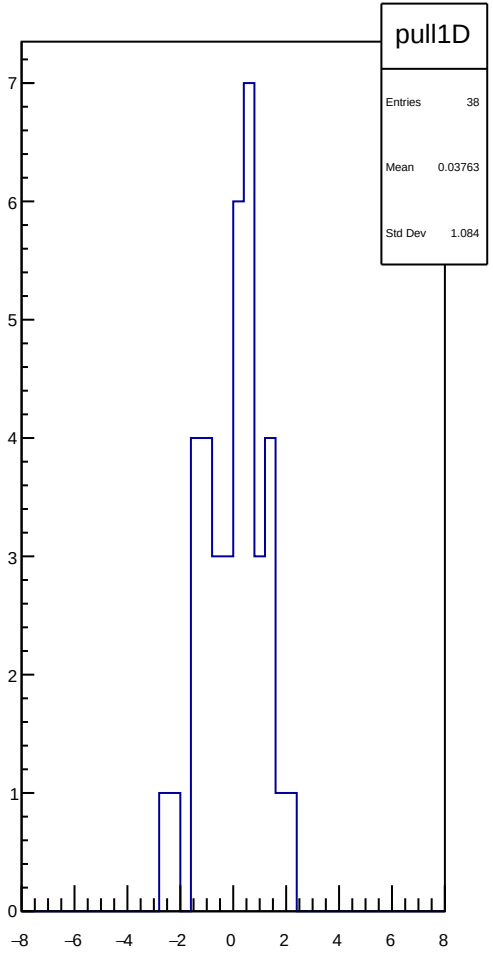

pull1D
Entries 38
Mean −0.08324
Std Dev 1.031
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

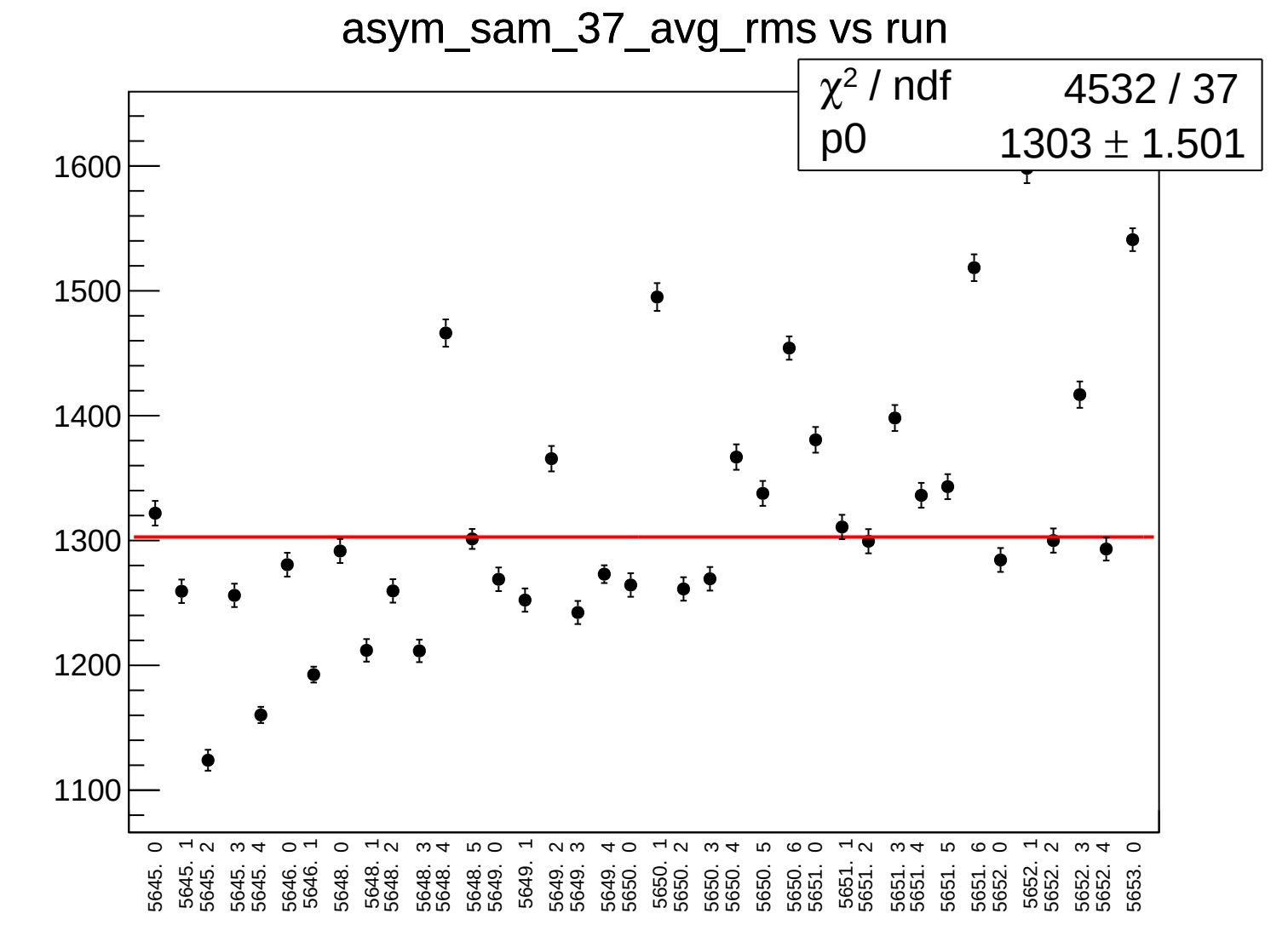

dit_asym_sam_37_avg_rms vs run
χ² / ndf 5.758e+04 / 37
p0 114.9 ± 0.1374
300
250
200
150
100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

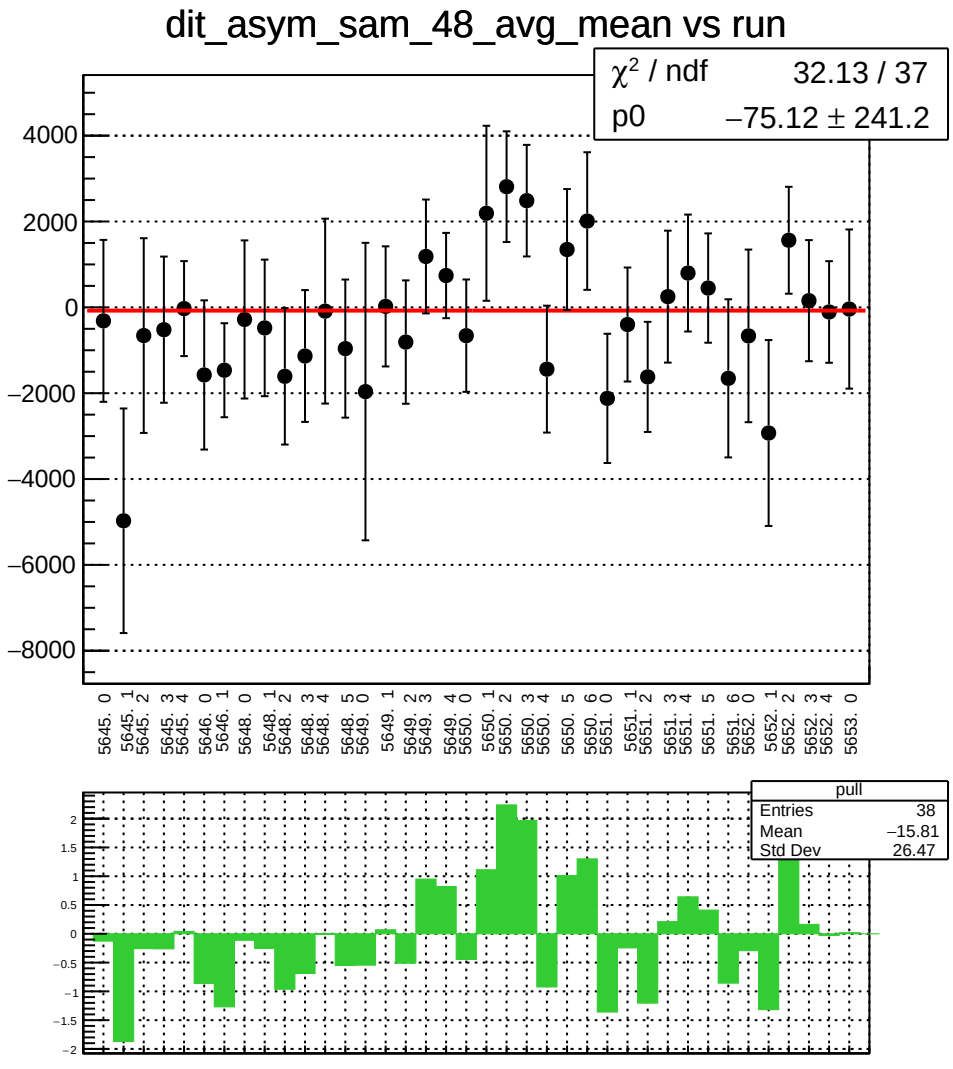

asym_sam_37_avg_correction_mean vs run
χ² / ndf 43.87 / 37
p0 1194 ± 2081
60000
40000
20000
0
−20000
−40000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 24.13
Std Dev 27.98
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.04451
Std Dev 1.074
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

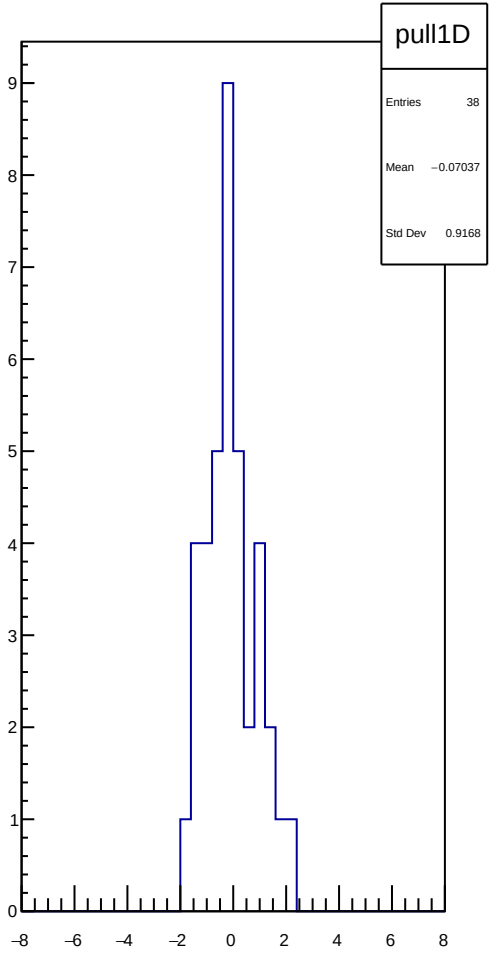

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2353 / 37
p0 1279 ± 1.471
1450
1400
1350
1300
1250
1200
1150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

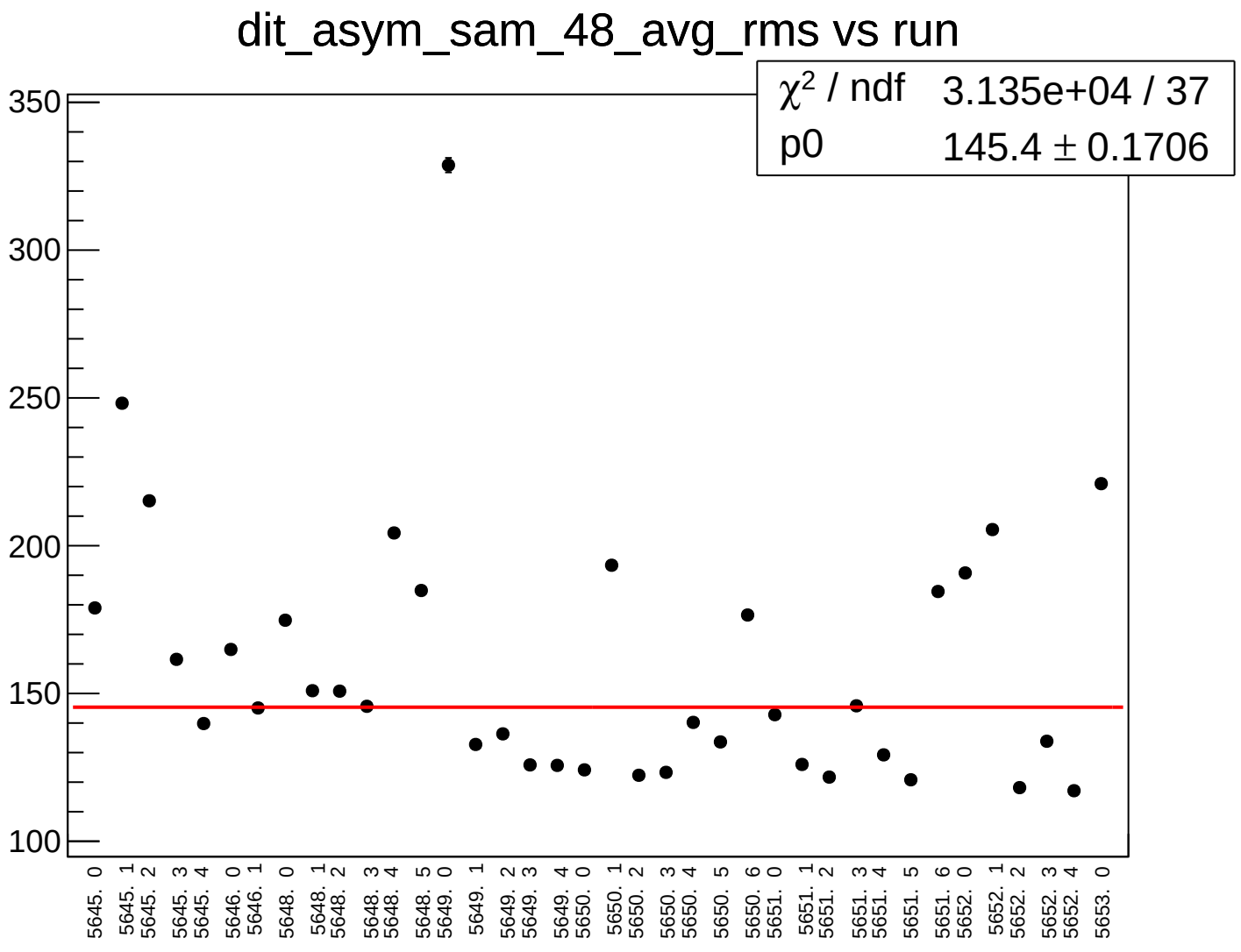

asym_sam_37_avg_mean vs run
χ² / ndf 44.71 / 37
p0 −1287 ± 2123
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 23.49
Std Dev 30
2
1
0
−1
−2

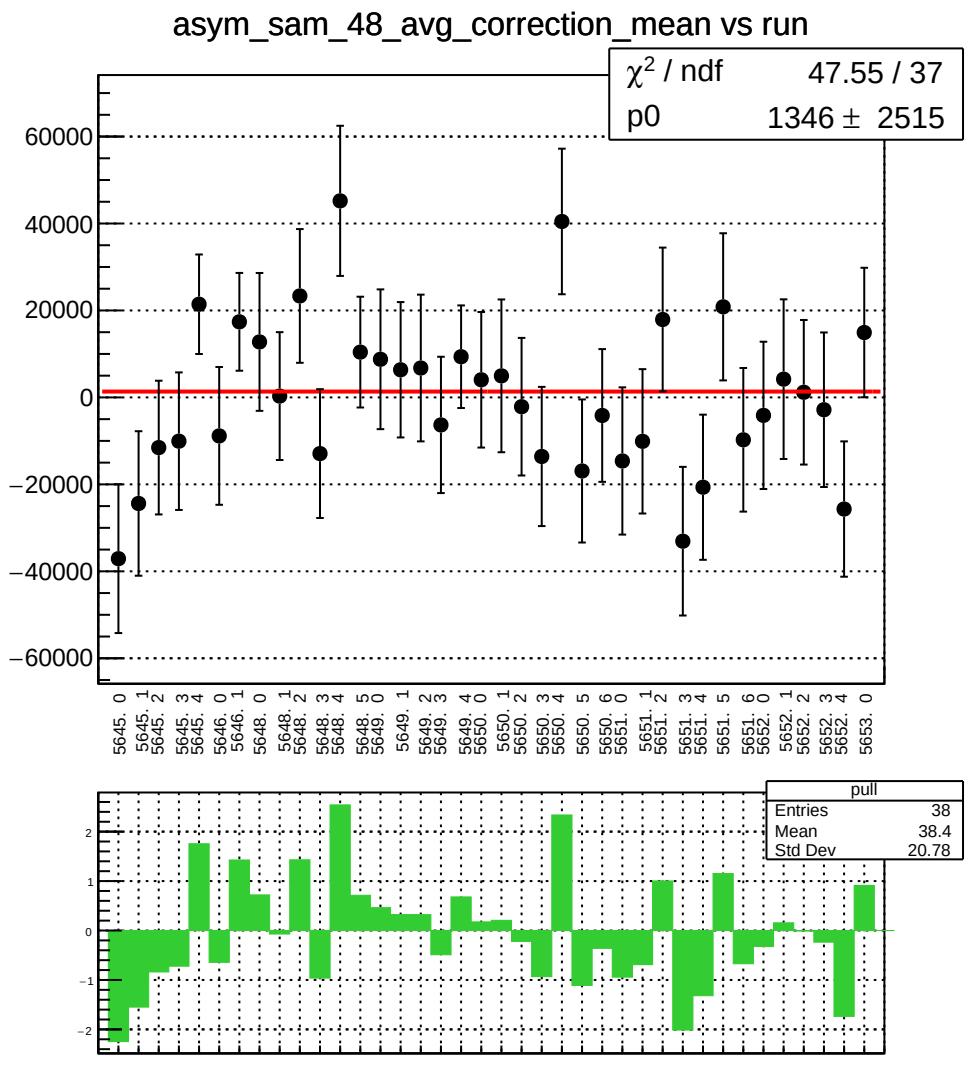

pull1D
Entries 38
Mean 0.03763
Std Dev 1.084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

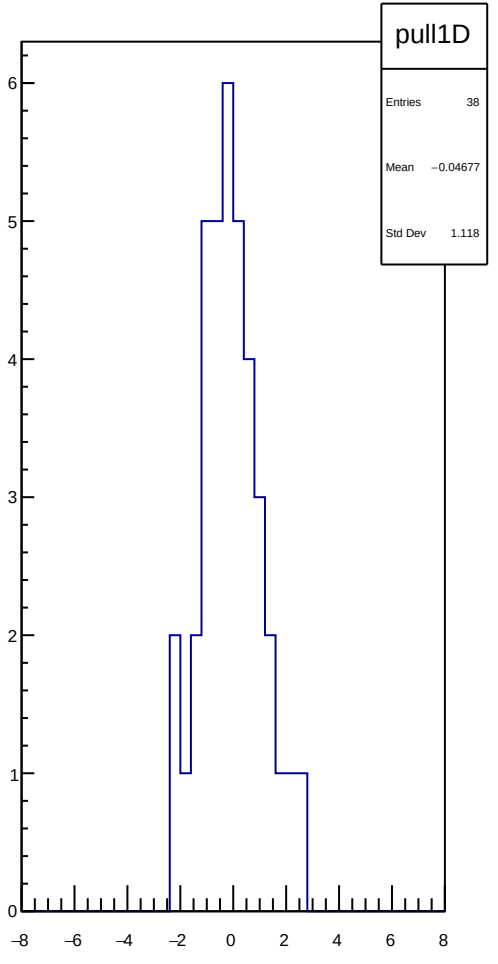

asym_sam_37_avg_rms vs run
χ² / ndf 4532 / 37
p0 1303 ± 1.501
1600
1500
1400
1300
1200
1100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

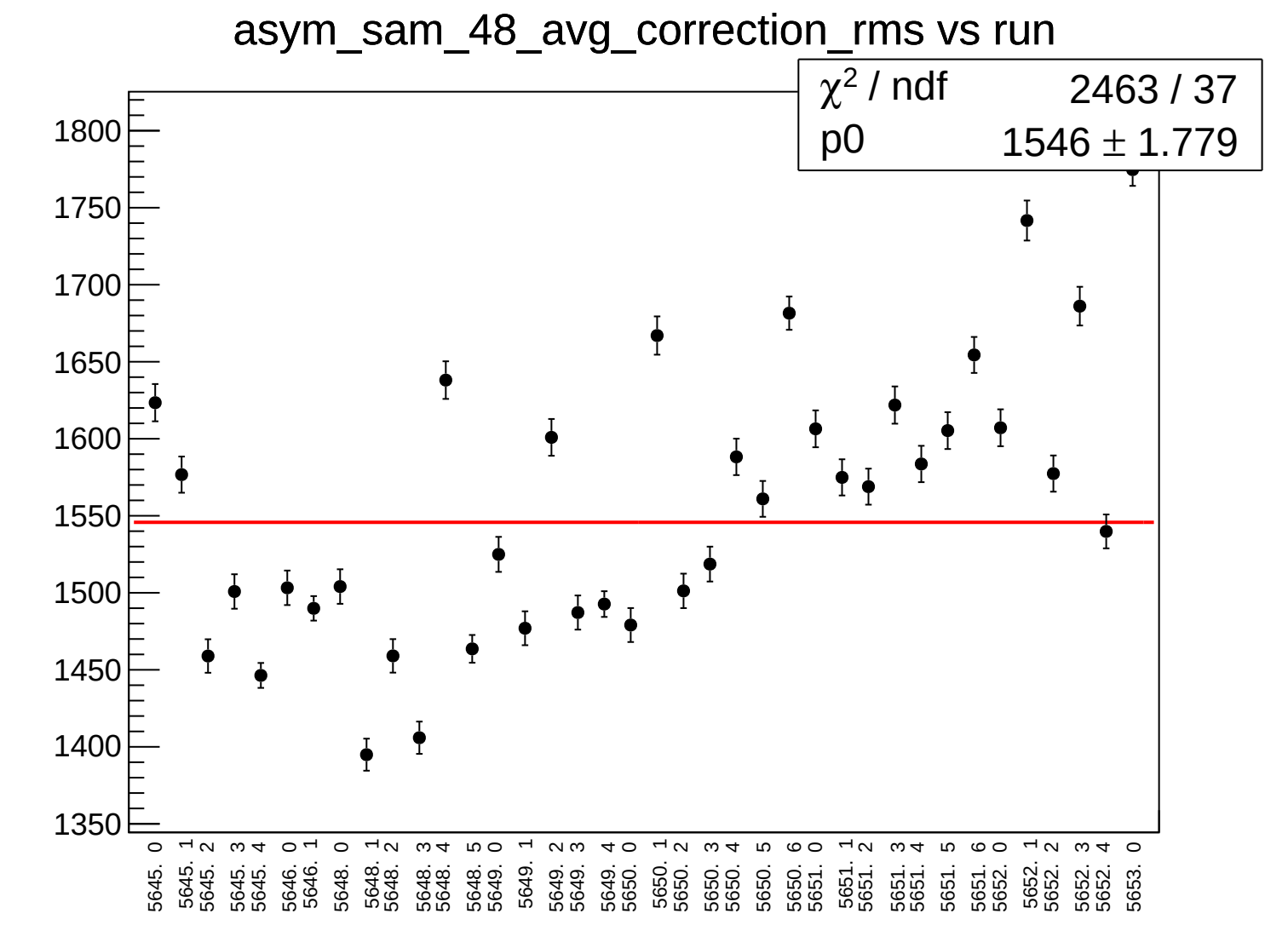

dit_asym_sam_48_avg_mean vs run
χ² / ndf 32.13 / 37
p0 −75.12 ± 241.2
4000
2000
0
−2000
−4000
−6000
−8000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −15.81
Std Dev 26.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

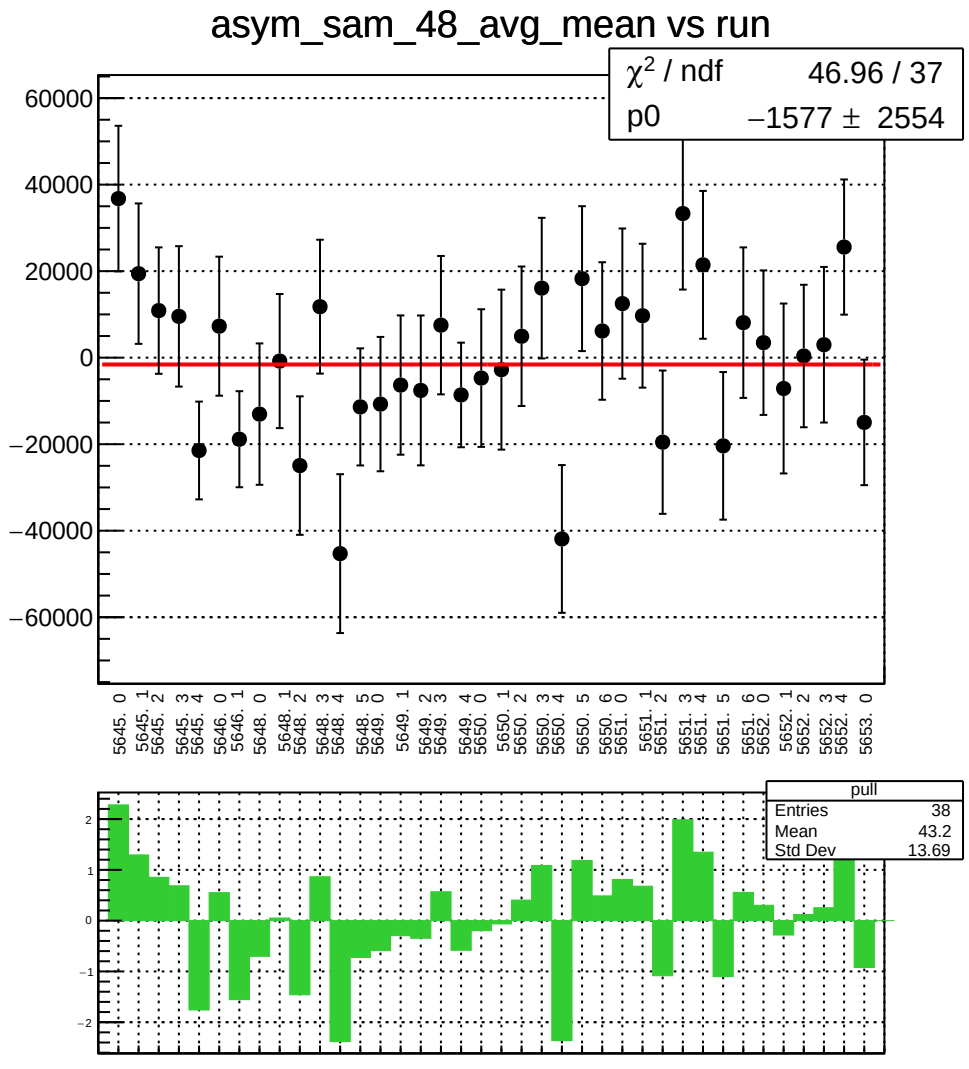

pull1D
Entries 38
Mean −0.07037
Std Dev 0.9168
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

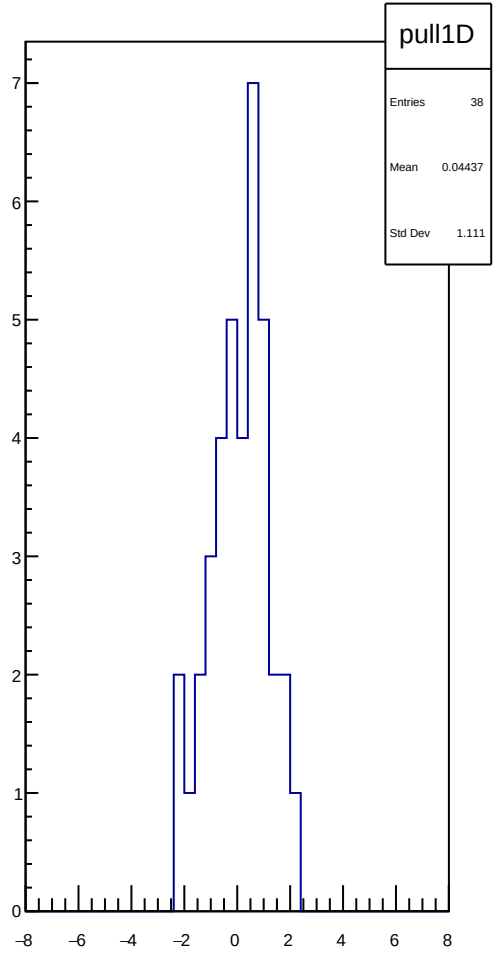

dit_asym_sam_48_avg_rms vs run
χ² / ndf 3.135e+04 / 37
p0 145.4 ± 0.1706
350
300
250
200
150
100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

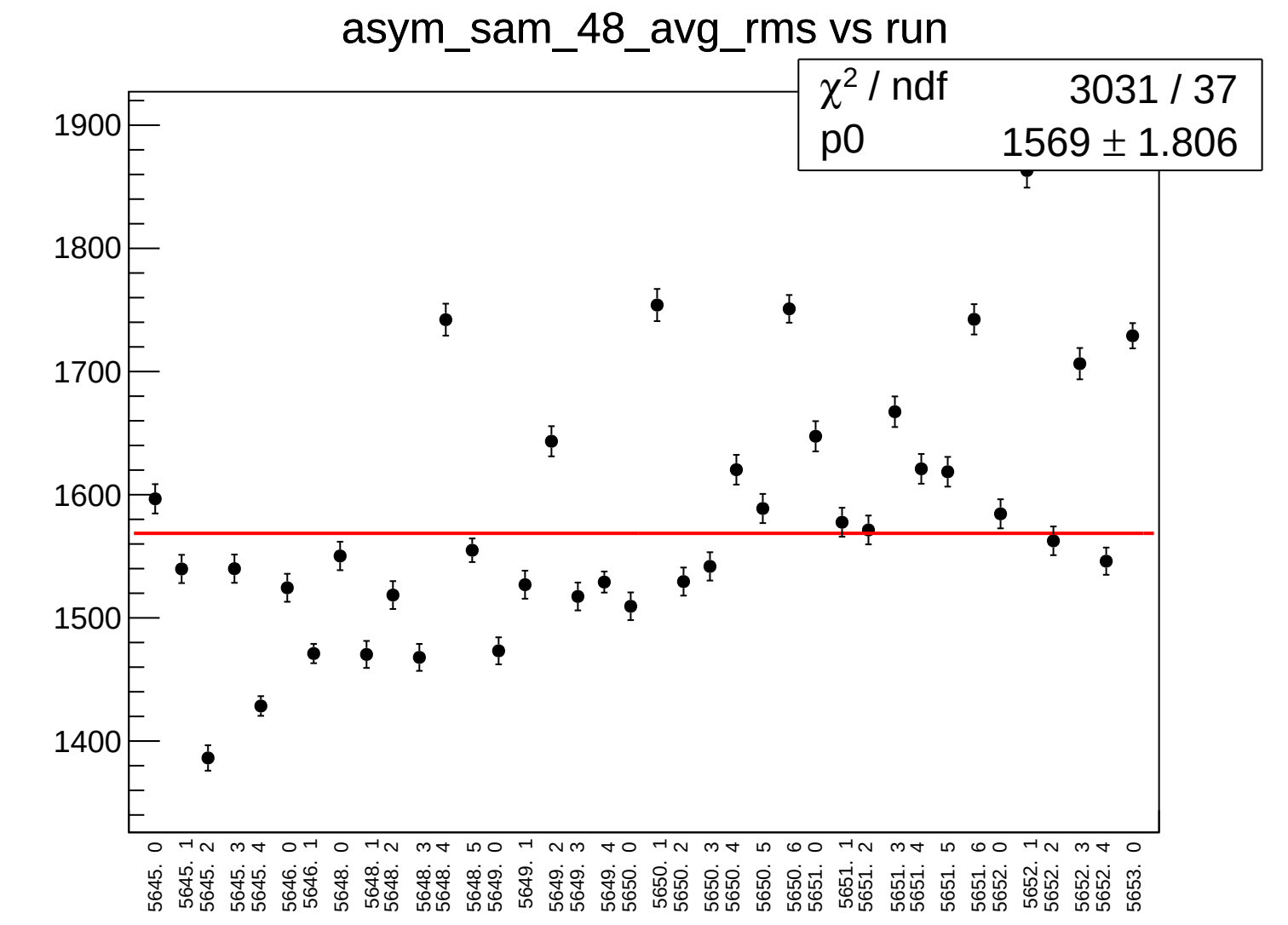

asym_sam_48_avg_correction_mean vs run
χ² / ndf 47.55 / 37
p0 1346 ± 2515
60000
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 38.4
Std Dev 20.78
2
1
0
−1
−2

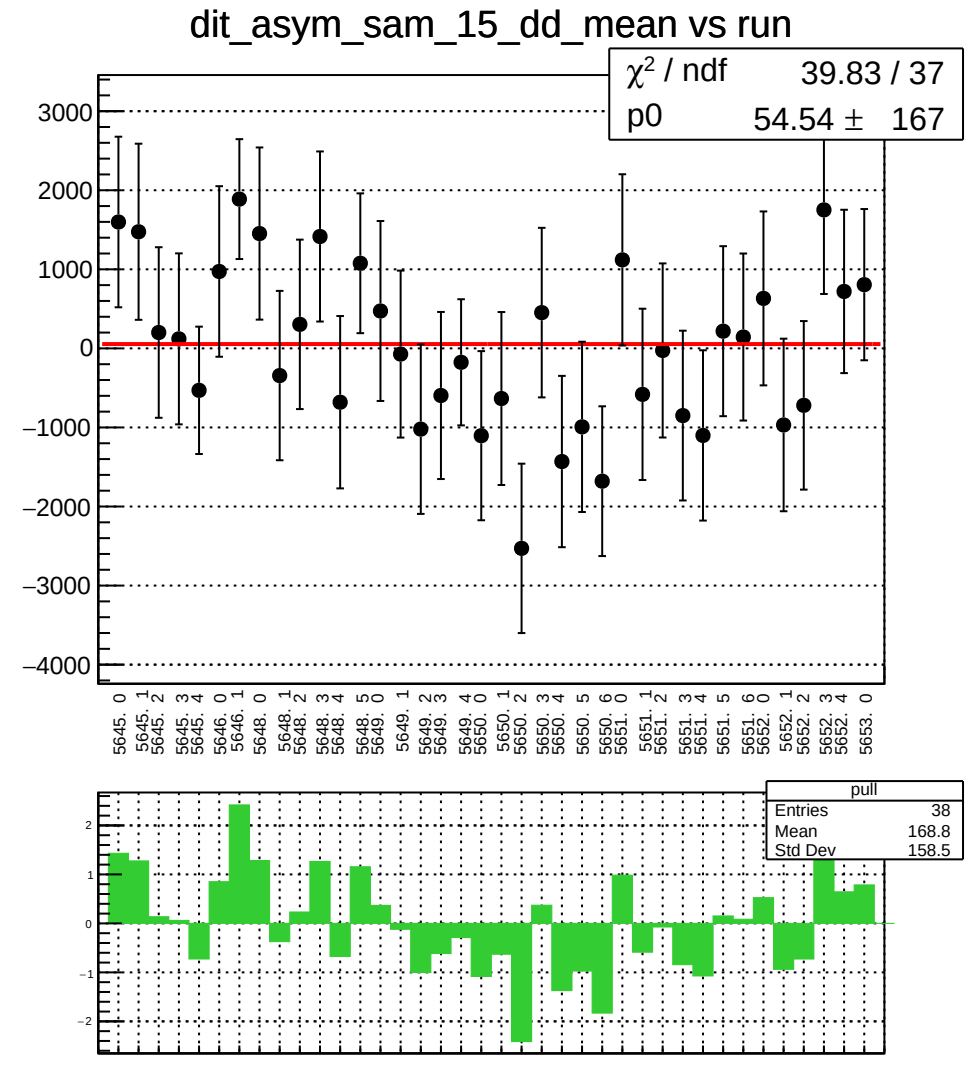

pull1D
Entries 38
Mean −0.04677
Std Dev 1.118
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

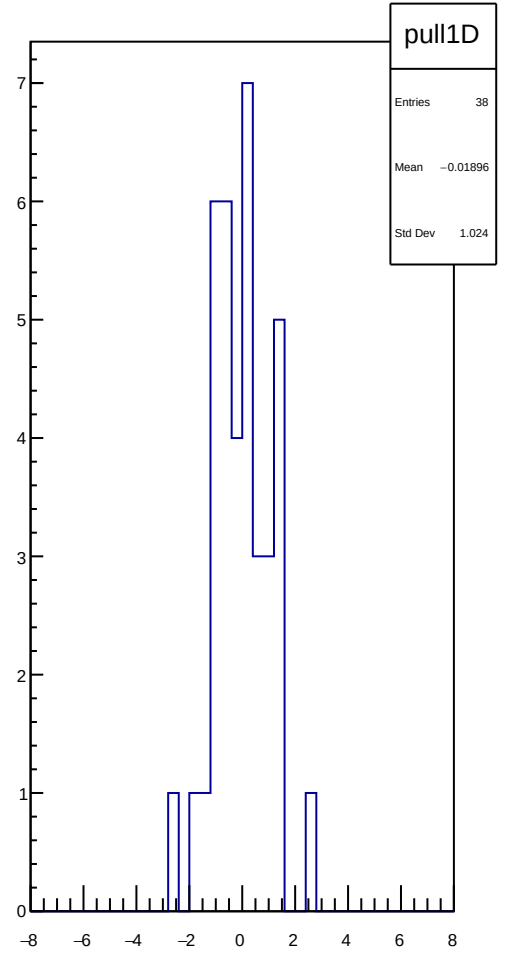

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2463 / 37
p0 1546 ± 1.779
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

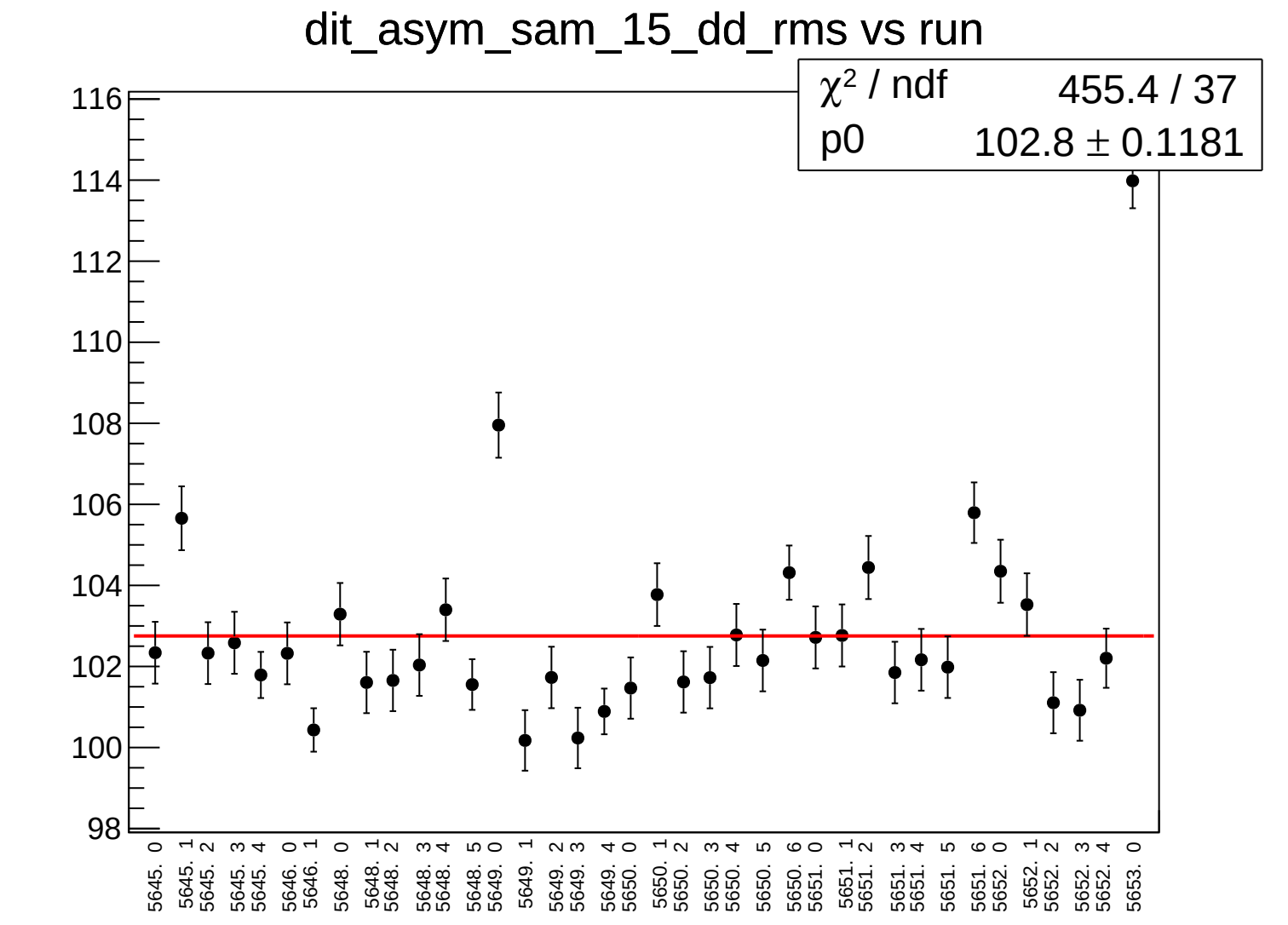

asym_sam_48_avg_mean vs run
χ² / ndf 46.96 / 37
p0 −1577 ± 2554
60000
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 43.2
Std Dev 13.69
2
1
0
−1
−2

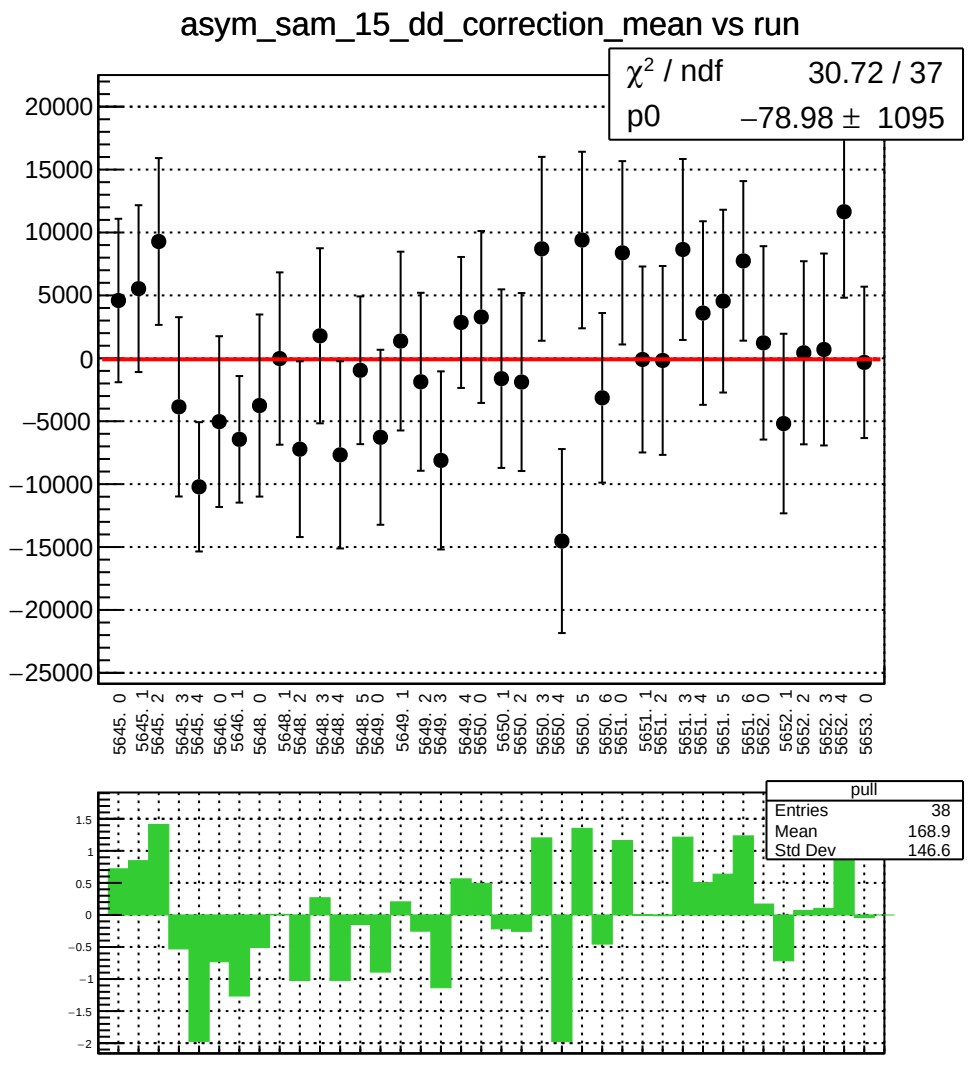

pull1D
Entries 38
Mean 0.04437
Std Dev 1.111
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

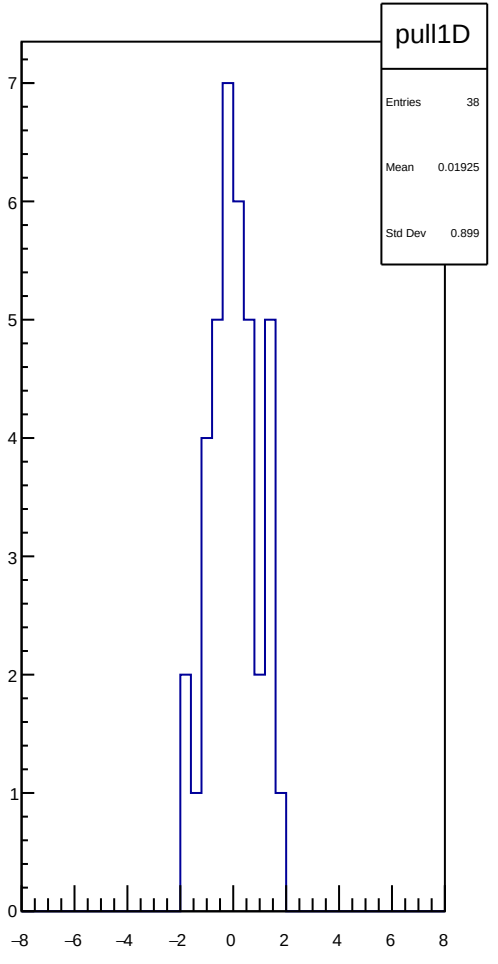

asym_sam_48_avg_rms vs run
χ² / ndf 3031 / 37
p0 1569 ± 1.806
1900
1800
1700
1600
1500
1400
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

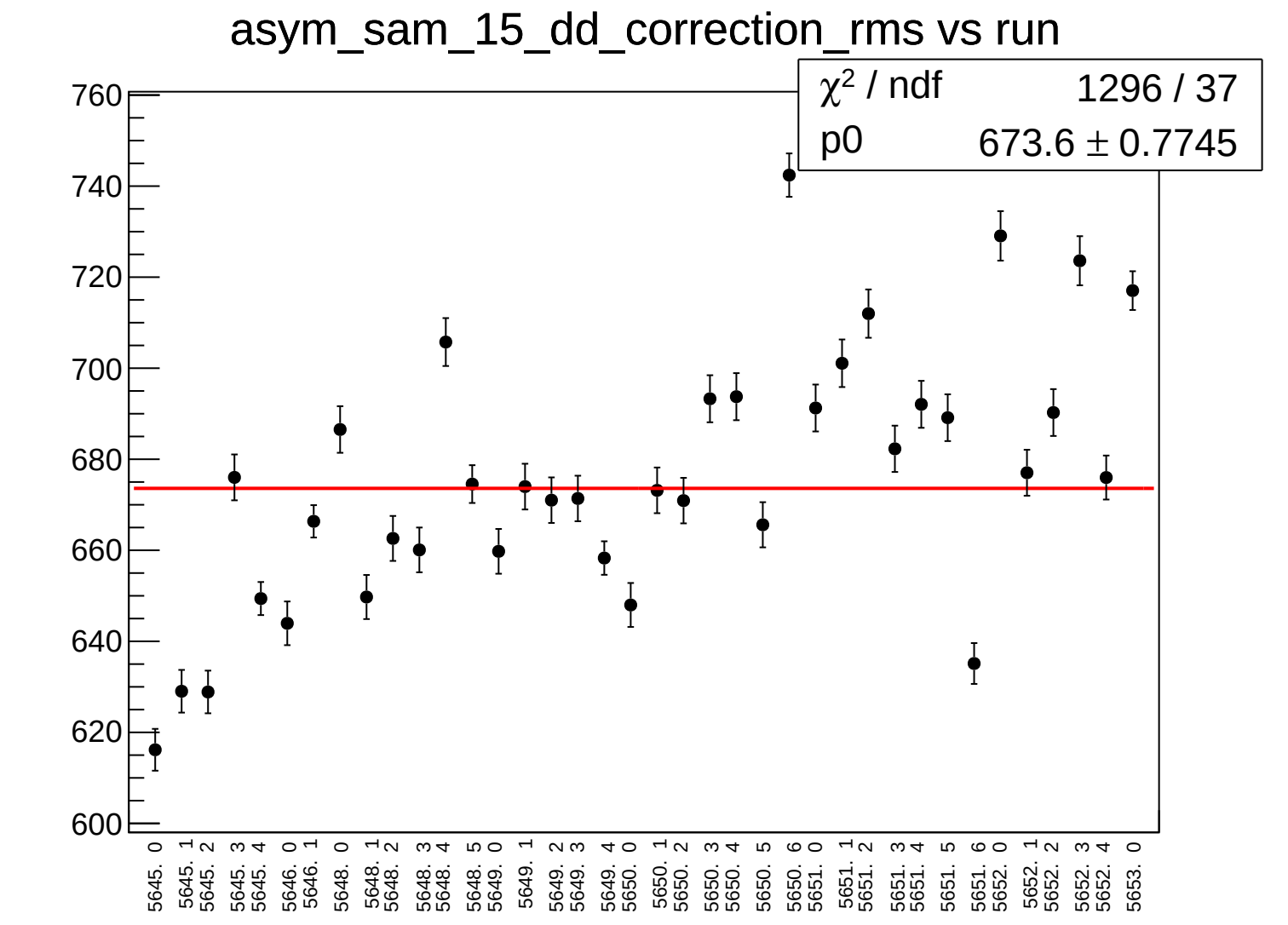

dit_asym_sam_15_dd_mean vs run
χ² / ndf 39.83 / 37
p0 54.54 ± 167
3000
2000
1000
0
−1000
−2000
−3000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 168.8
Std Dev 158.5
2
1
0
−1
−2

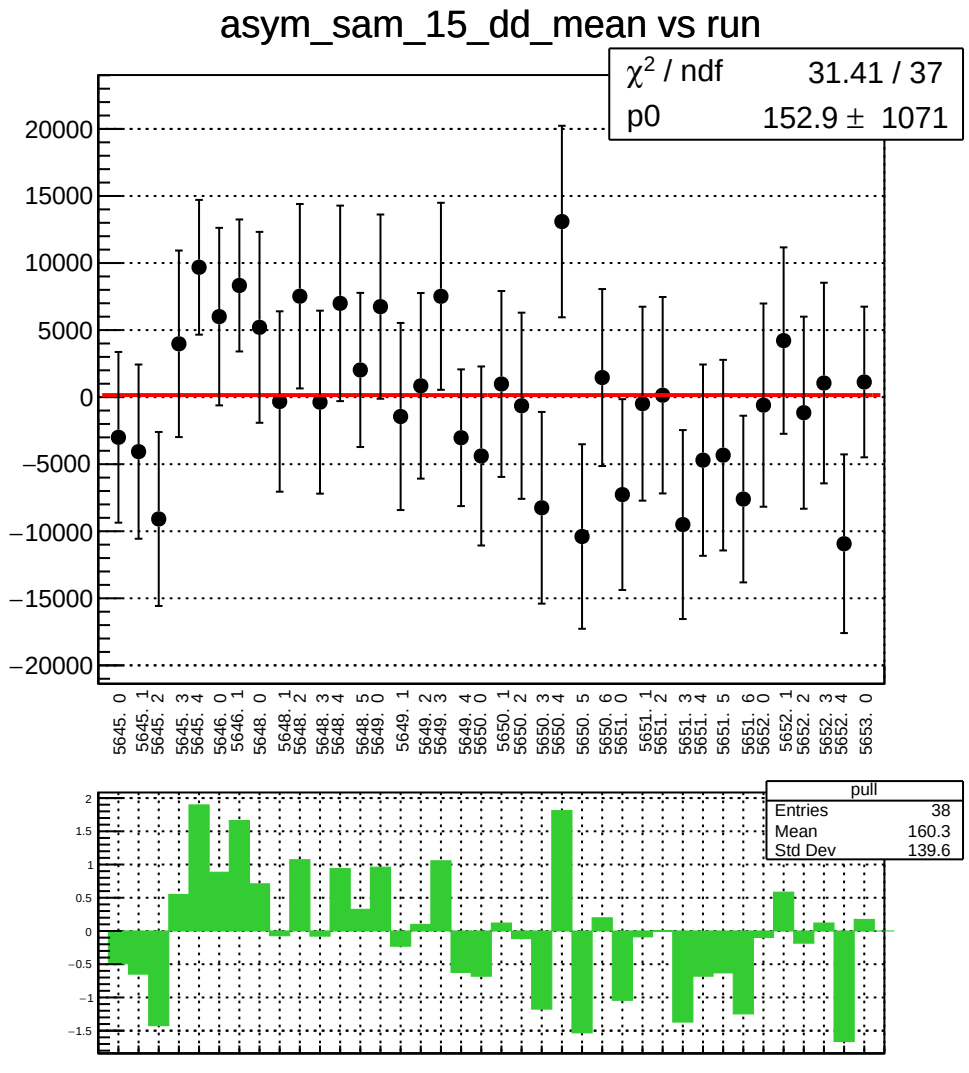

pull1D
Entries 38
Mean −0.01896
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

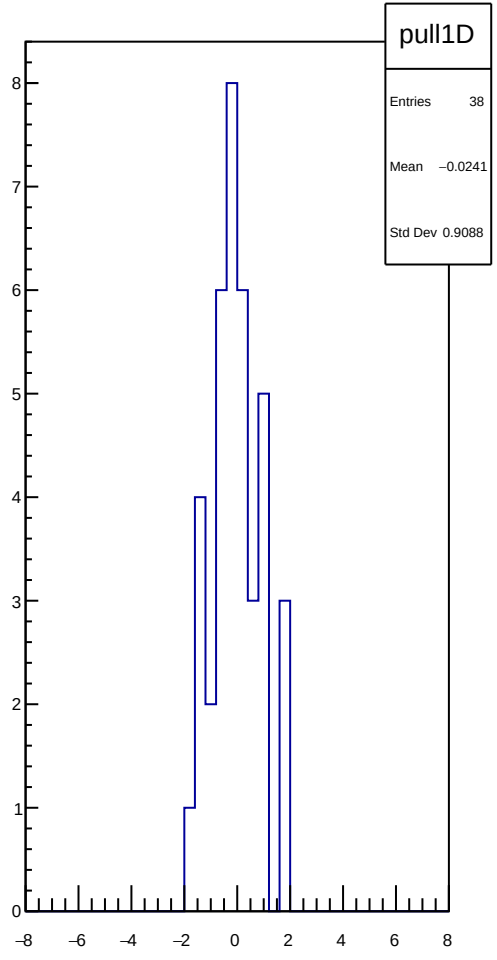

dit_asym_sam_15_dd_rms vs run
χ² / ndf 455.4 / 37
p0 102.8 ± 0.1181
116
114
112
110
108
106
104
102
100
98
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

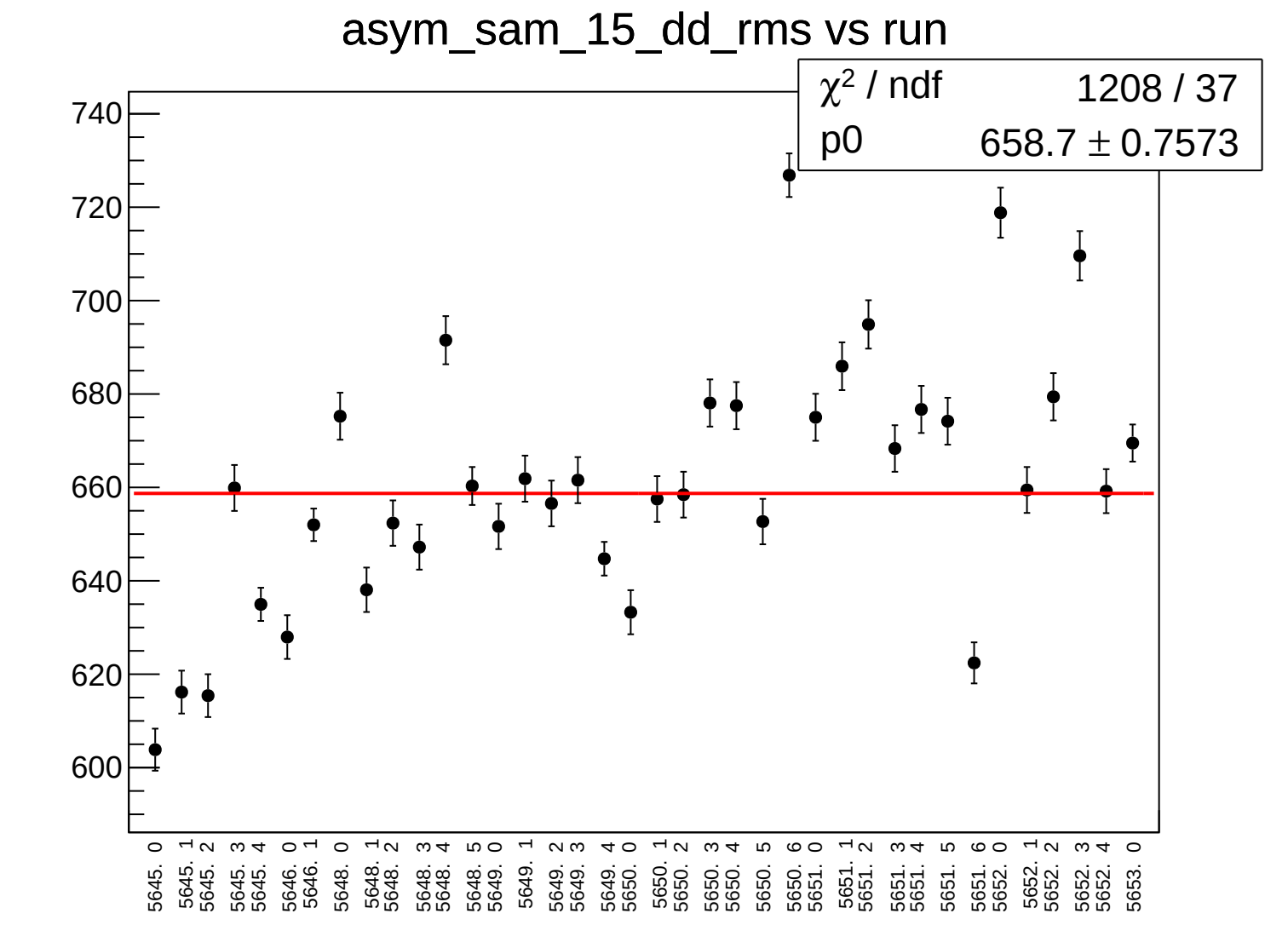

asym_sam_15_dd_correction_mean vs run
χ² / ndf 30.72 / 37
p0 −78.98 ± 1095
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 168.9
Std Dev 146.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

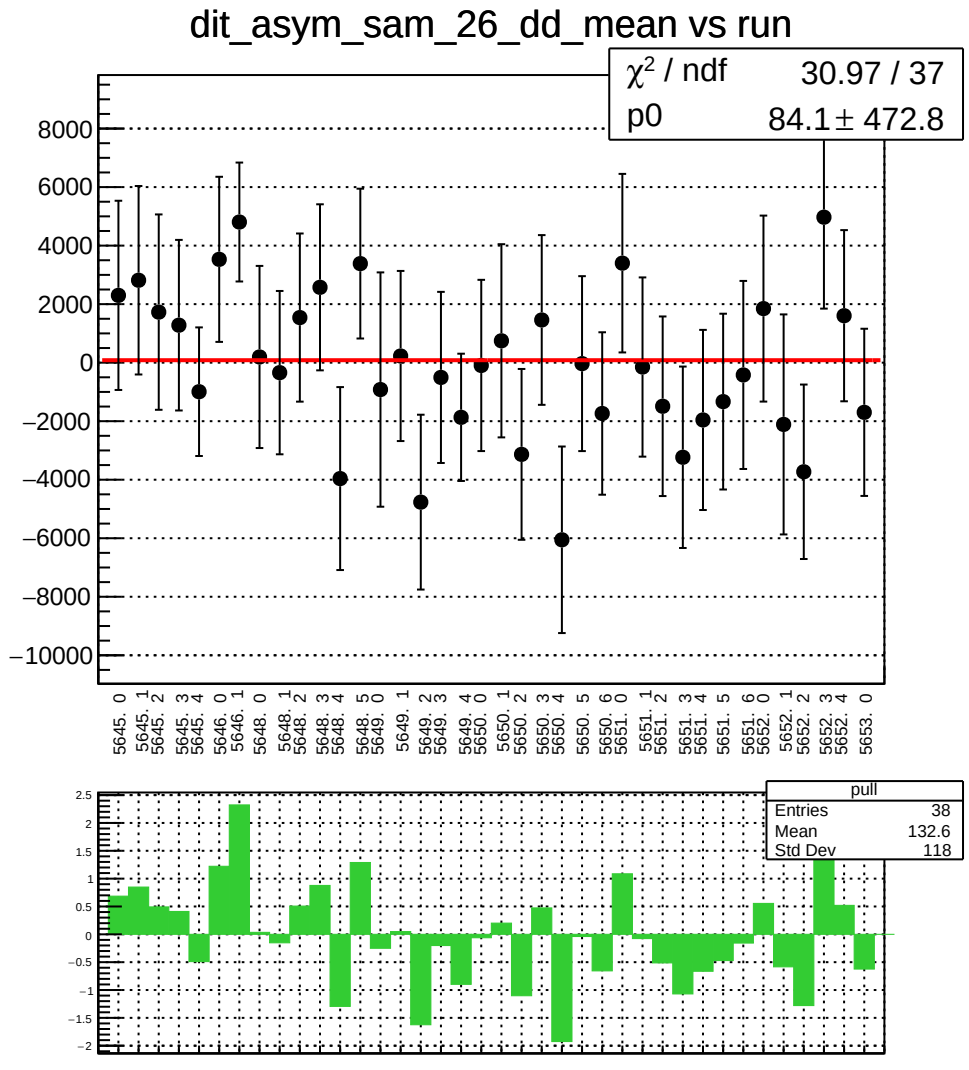

pull1D
Entries 38
Mean 0.01925
Std Dev 0.899
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

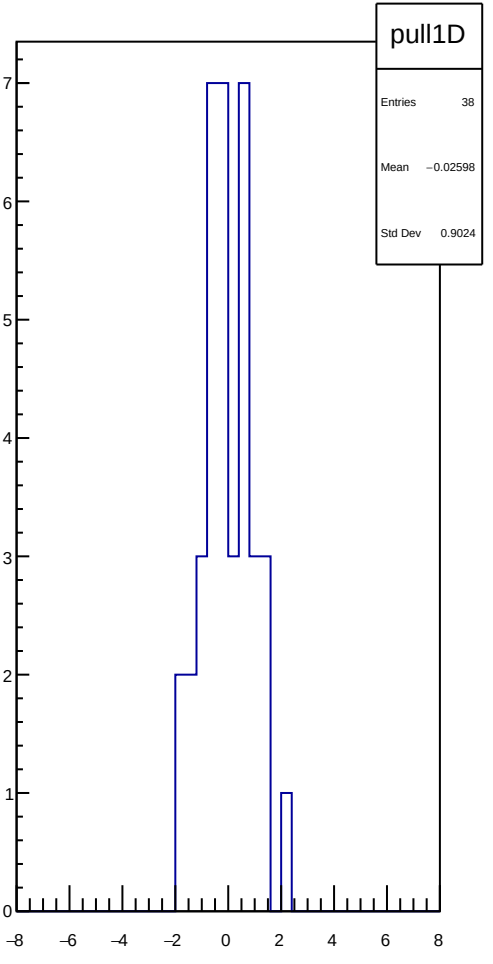

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1296 / 37
p0 673.6 ± 0.7745
760
740
720
700
680
660
640
620
600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

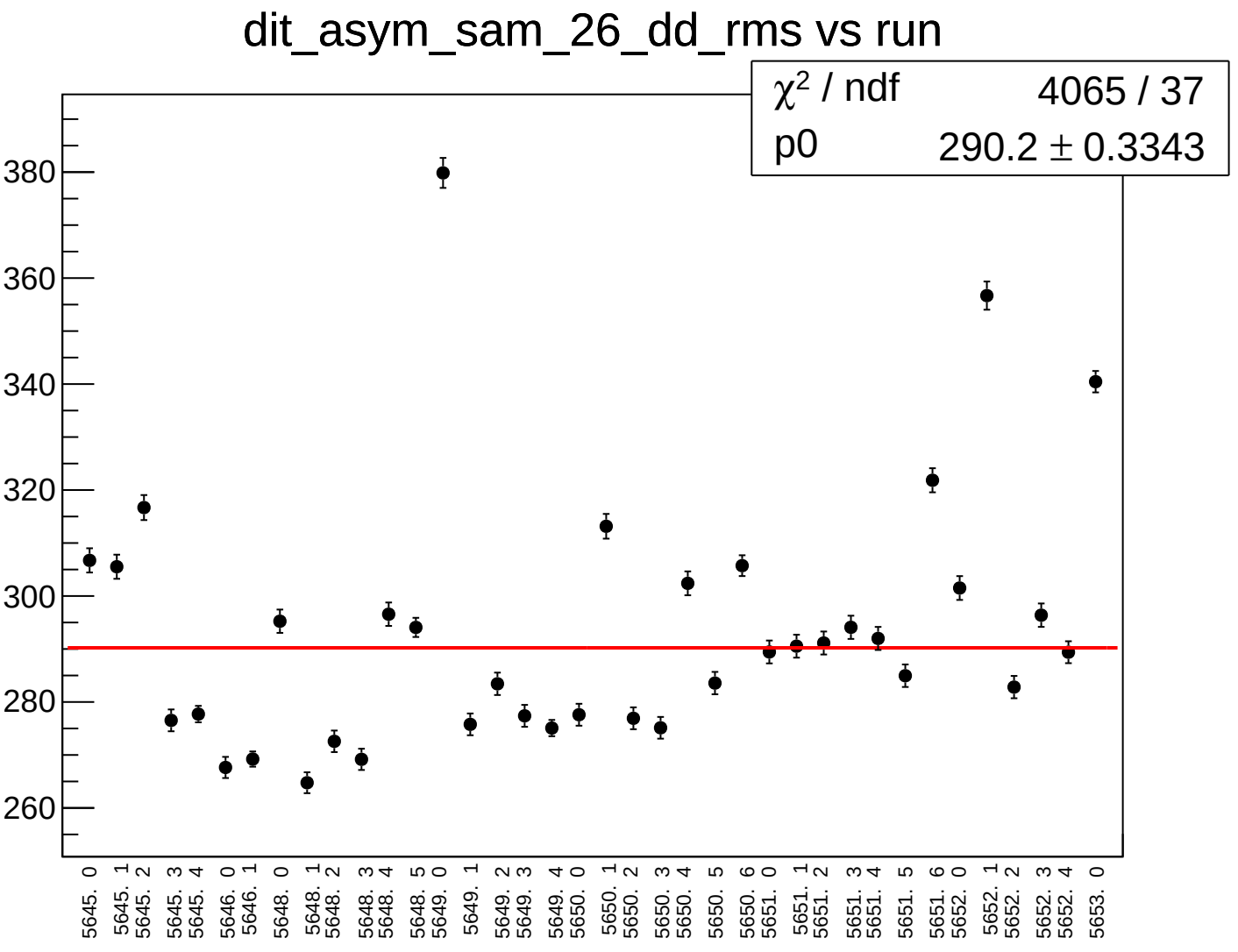

asym_sam_15_dd_mean vs run
χ² / ndf 31.41 / 37
p0 152.9 ± 1071
pull
Entries 38
Mean 160.3
Std Dev 139.6

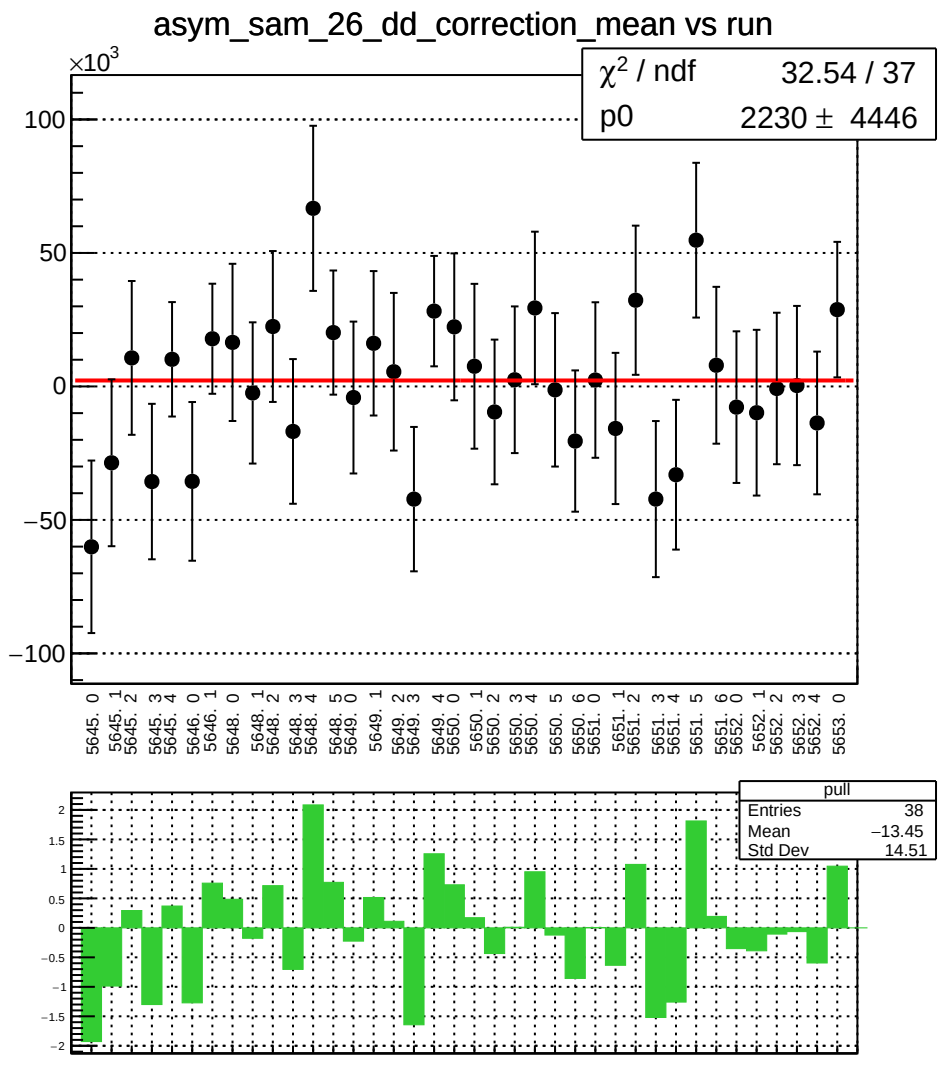

pull1D
Entries 38
Mean −0.0241
Std Dev 0.9088

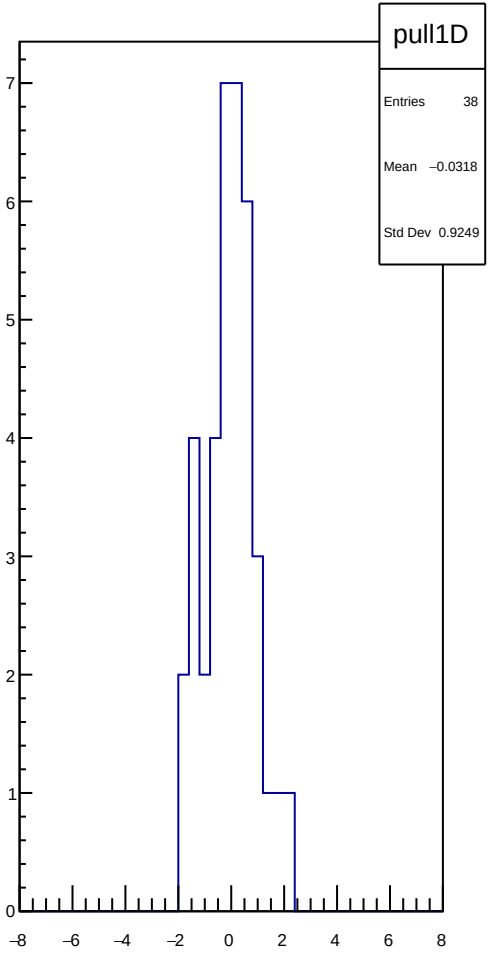

asym_sam_15_dd_rms vs run
χ² / ndf 1208 / 37
p0 658.7 ± 0.7573
740
720
700
680
660
640
620
600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

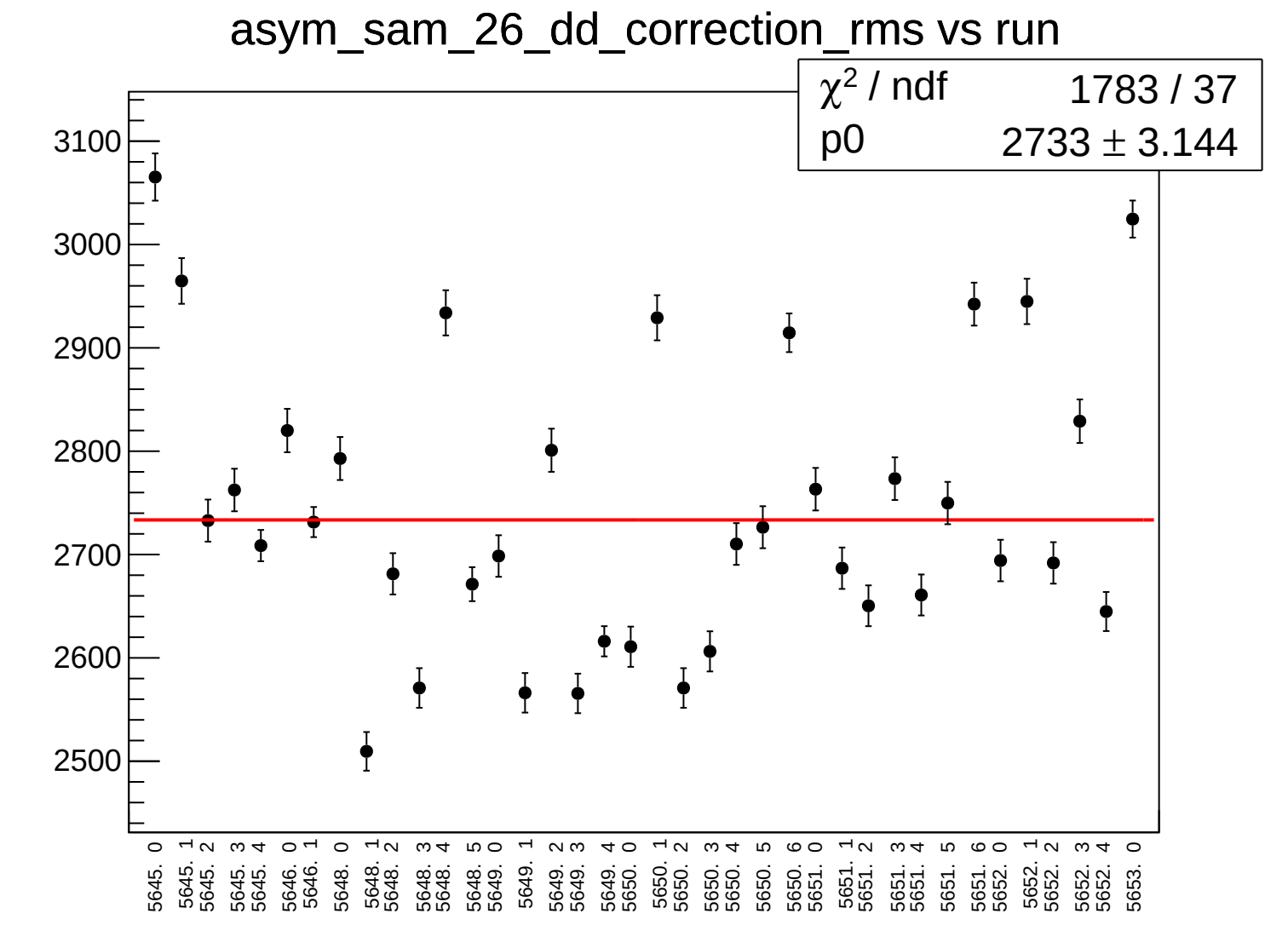

dit_asym_sam_26_dd_mean vs run
χ² / ndf 30.97 / 37
p0 84.1 ± 472.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 132.6
Std Dev 118
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

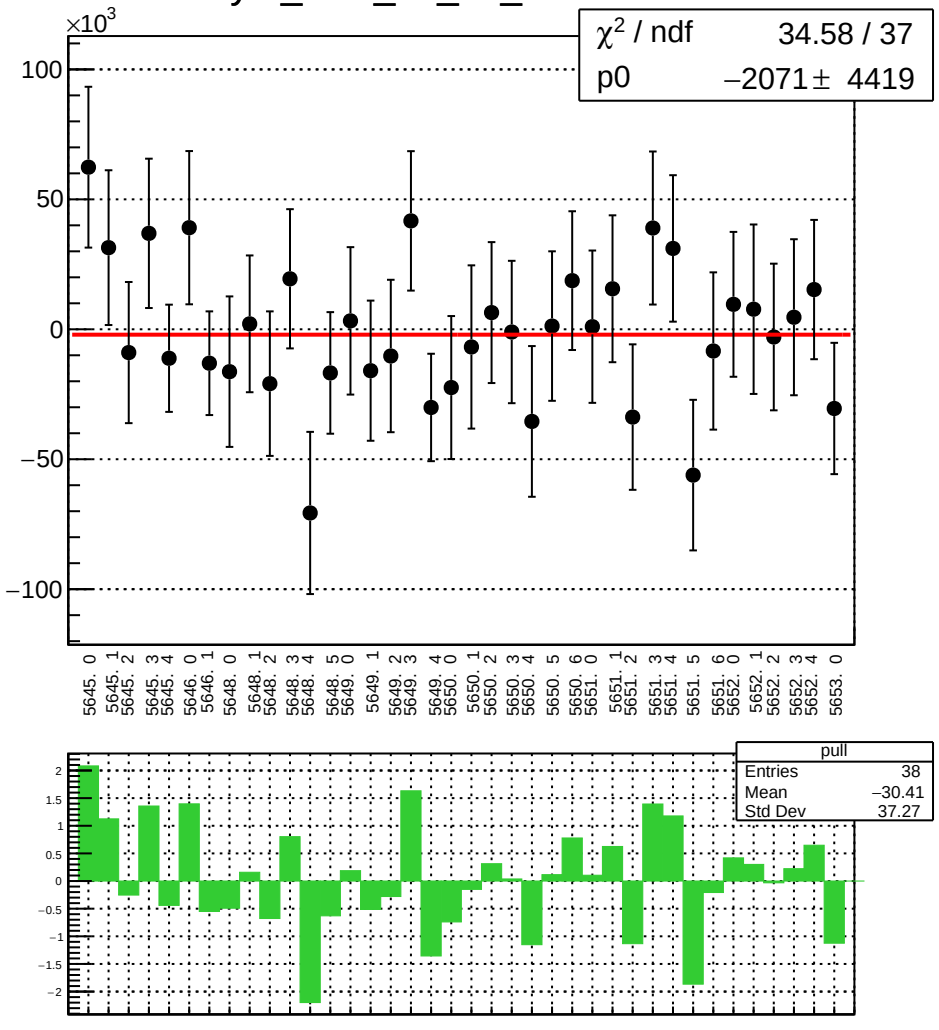

pull1D
Entries 38
Mean −0.02598
Std Dev 0.9024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

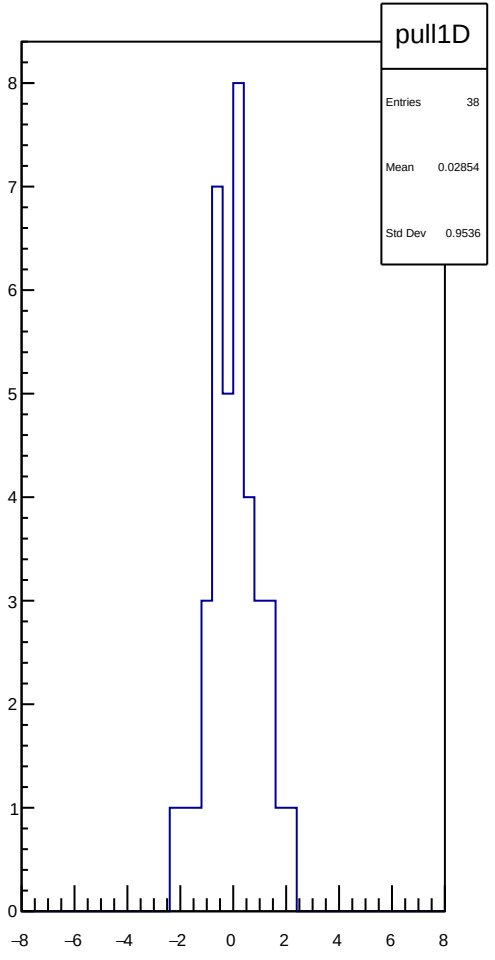

dit_asym_sam_26_dd_rms vs run
χ² / ndf 4065 / 37
p0 290.2 ± 0.3343
380
360
340
320
300
280
260
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

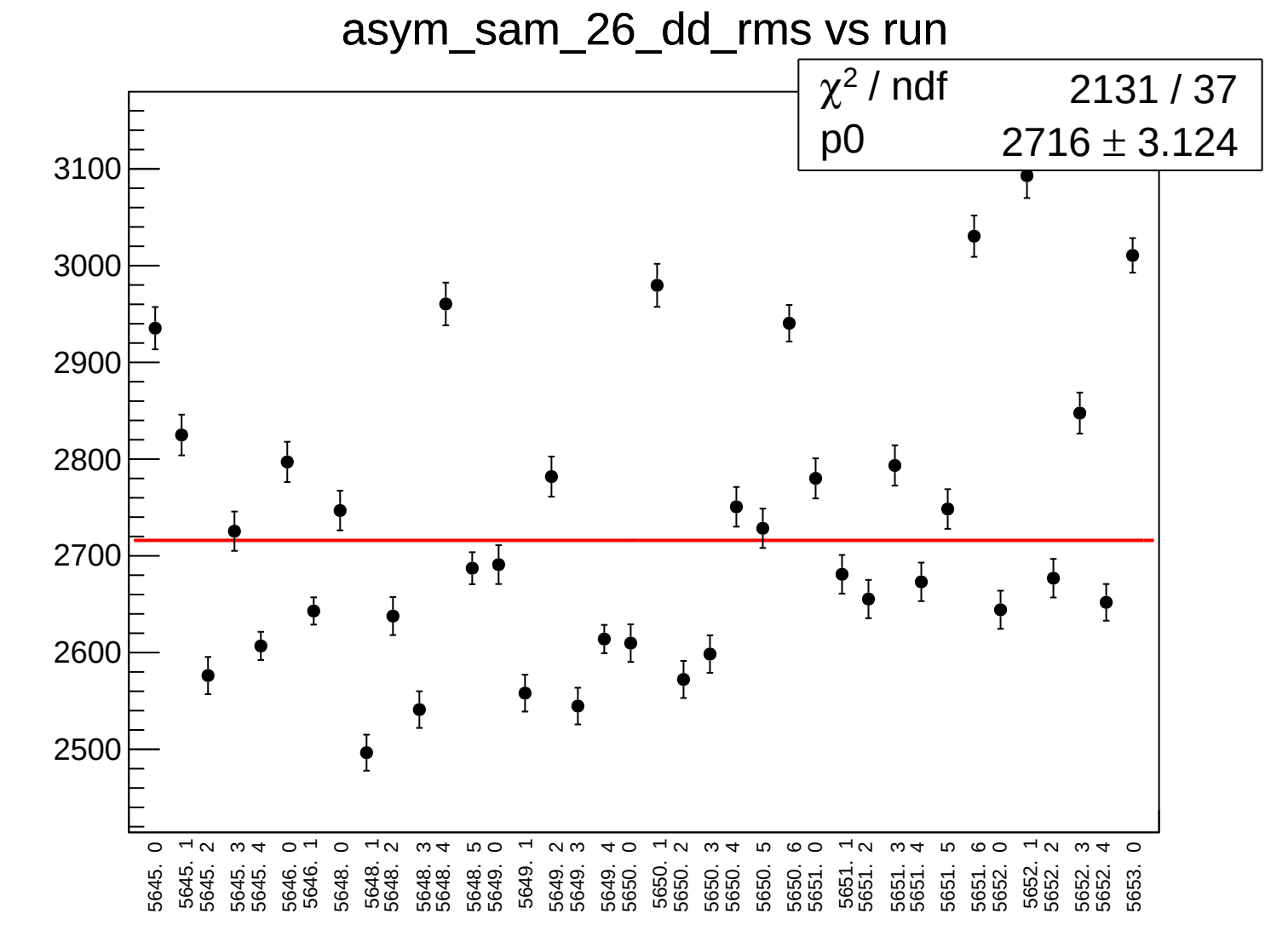

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 32.54 / 37
p0 2230 ± 4446
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −13.45
Std Dev 14.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

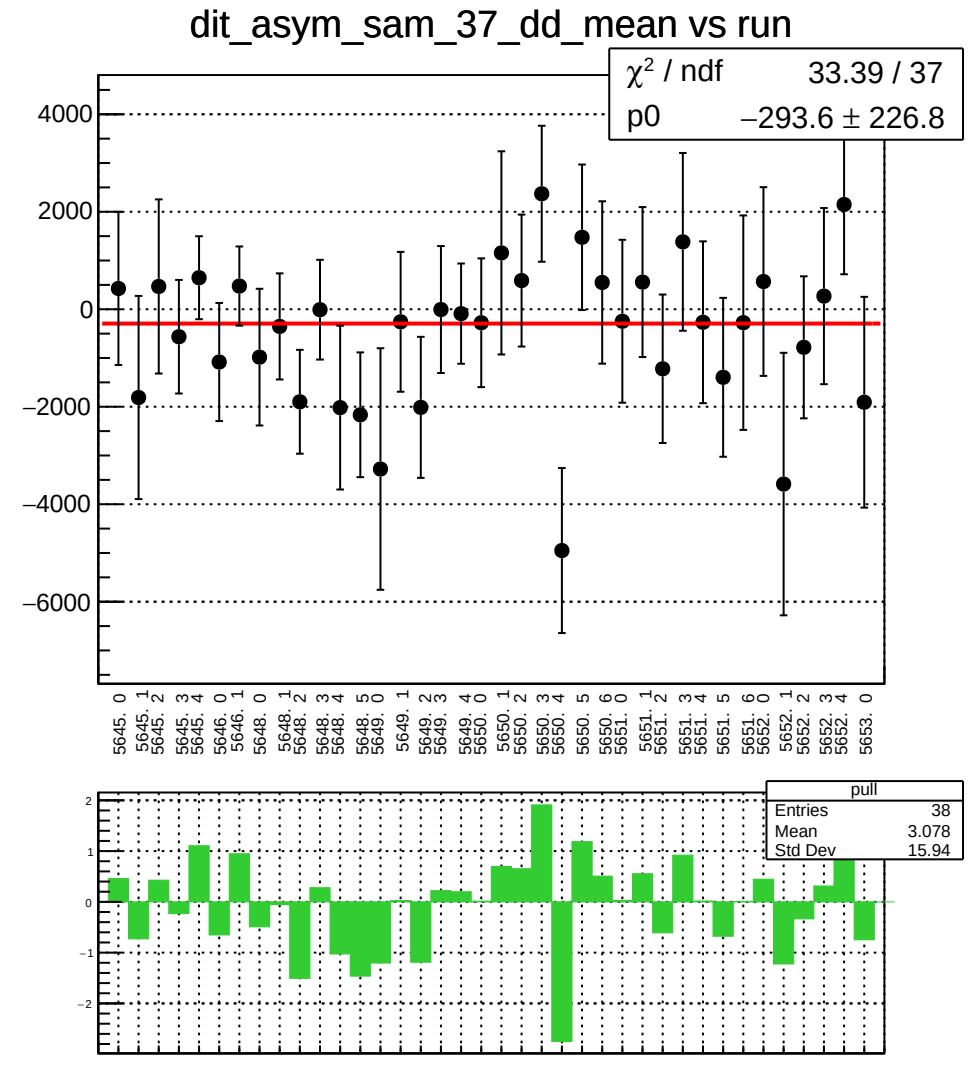

pull1D
Entries 38
Mean −0.0318
Std Dev 0.9249
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

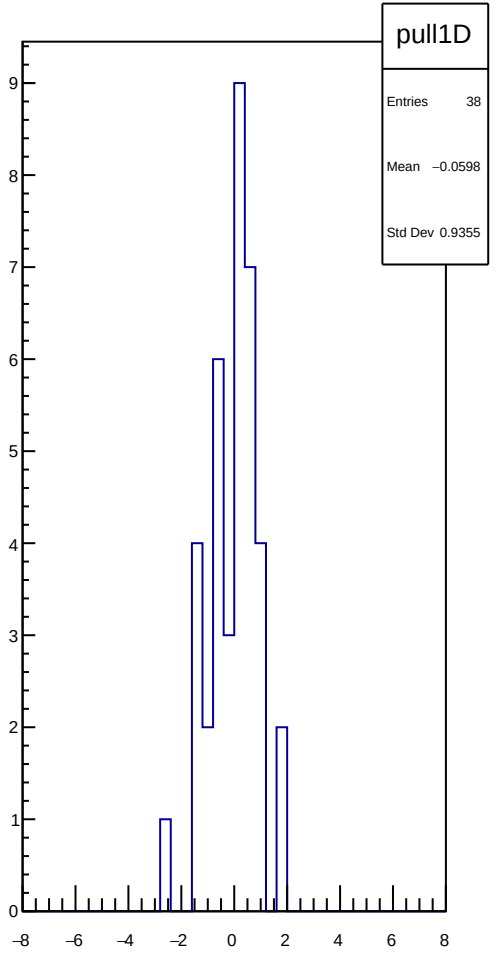

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1783 / 37
p0 2733 ± 3.144
3100
3000
2900
2800
2700
2600
2500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

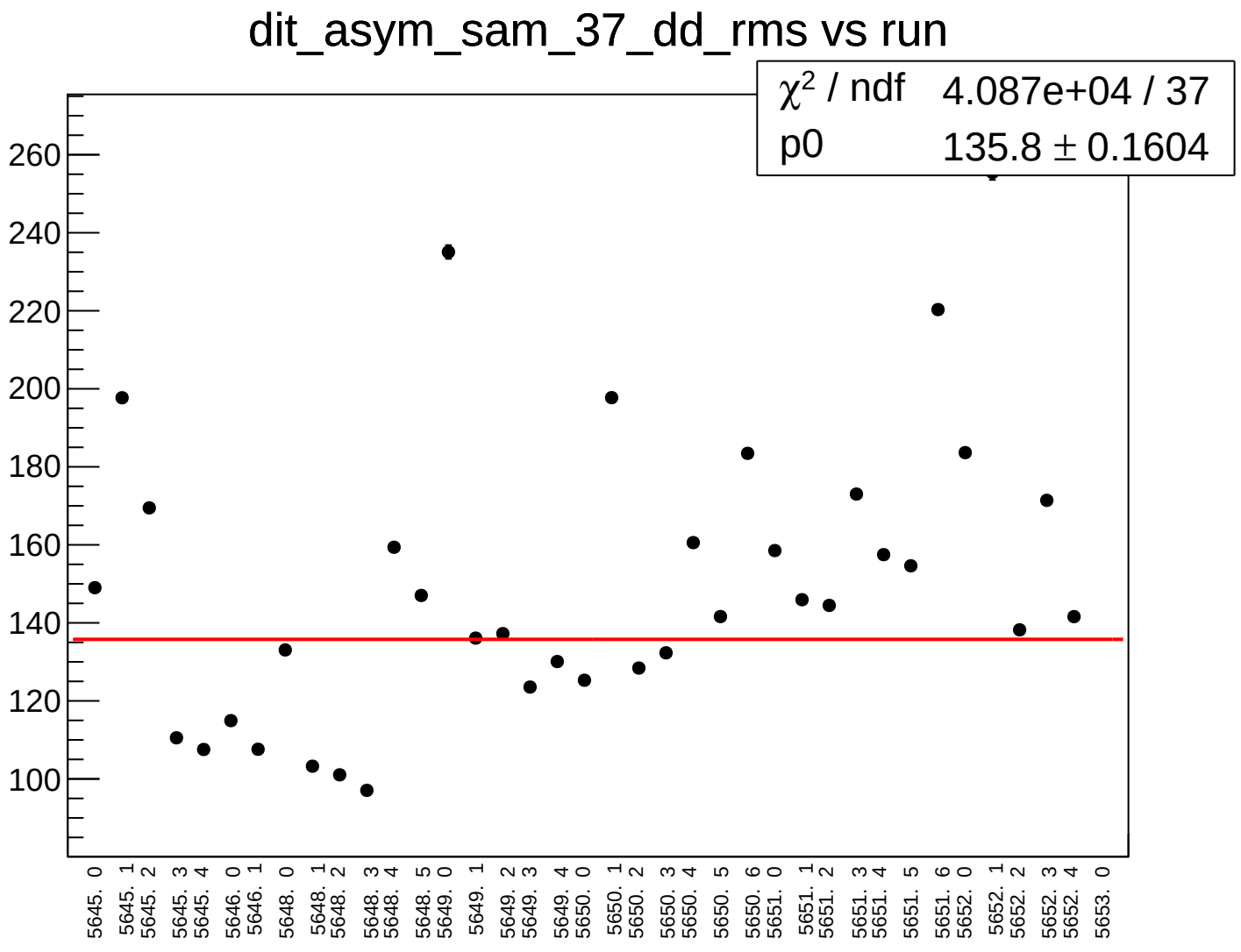

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 34.58 / 37
p0 −2071 ± 4419
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −30.41
Std Dev 37.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

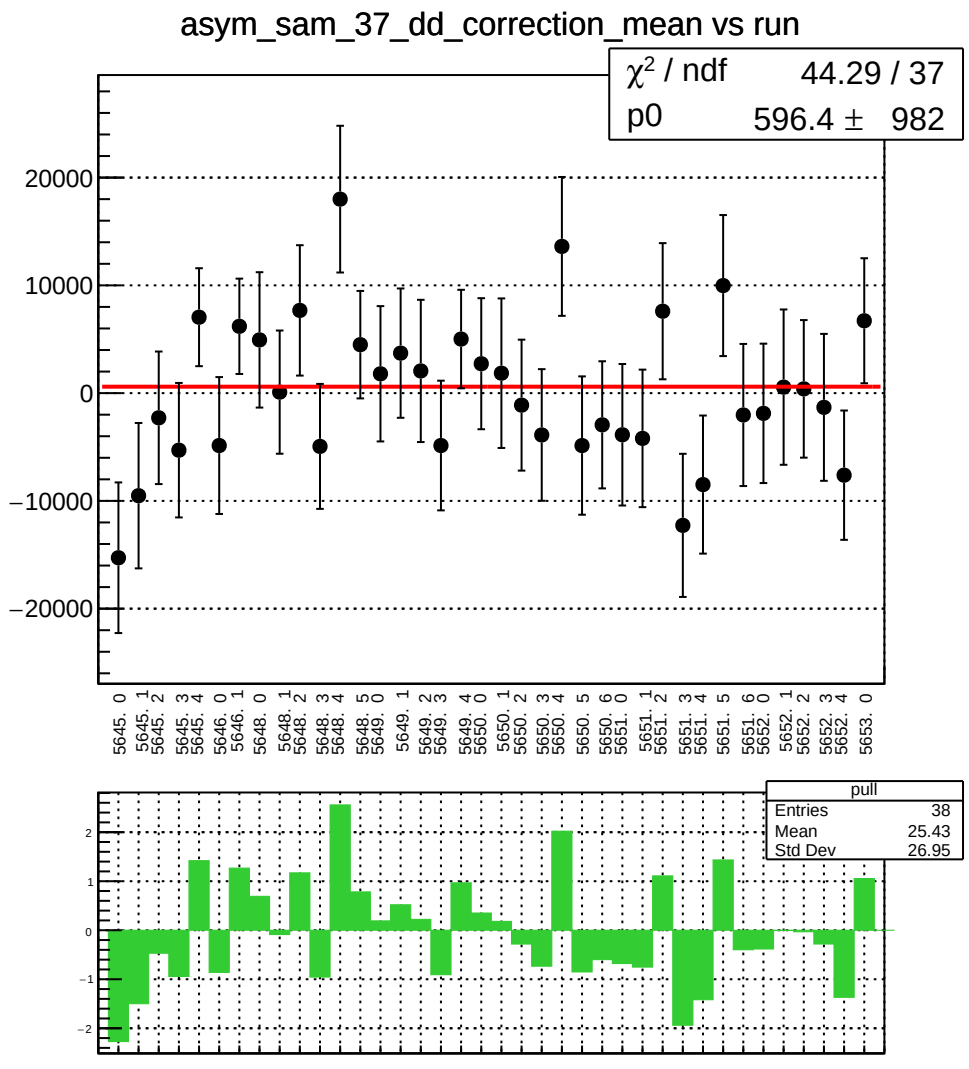

pull1D
Entries 38
Mean 0.02854
Std Dev 0.9536
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

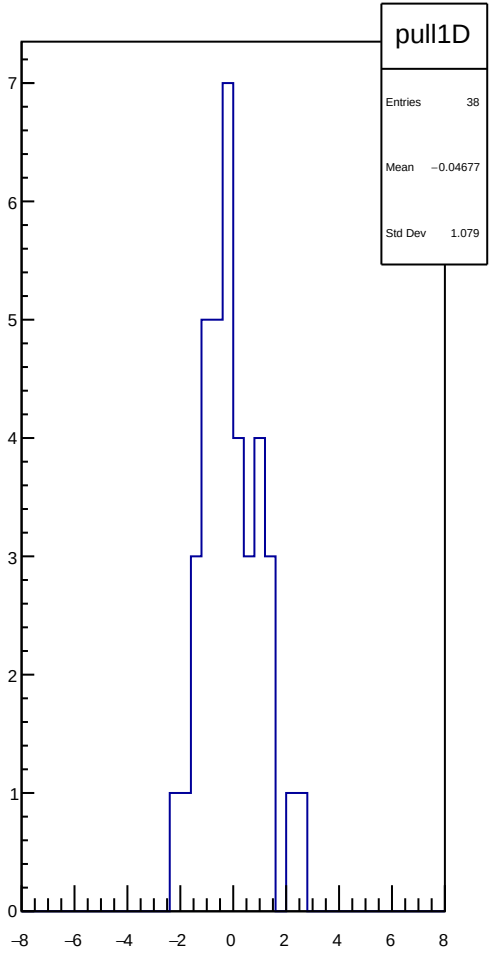

asym_sam_26_dd_rms vs run
χ² / ndf 2131 / 37
p0 2716 ± 3.124
3100
3000
2900
2800
2700
2600
2500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

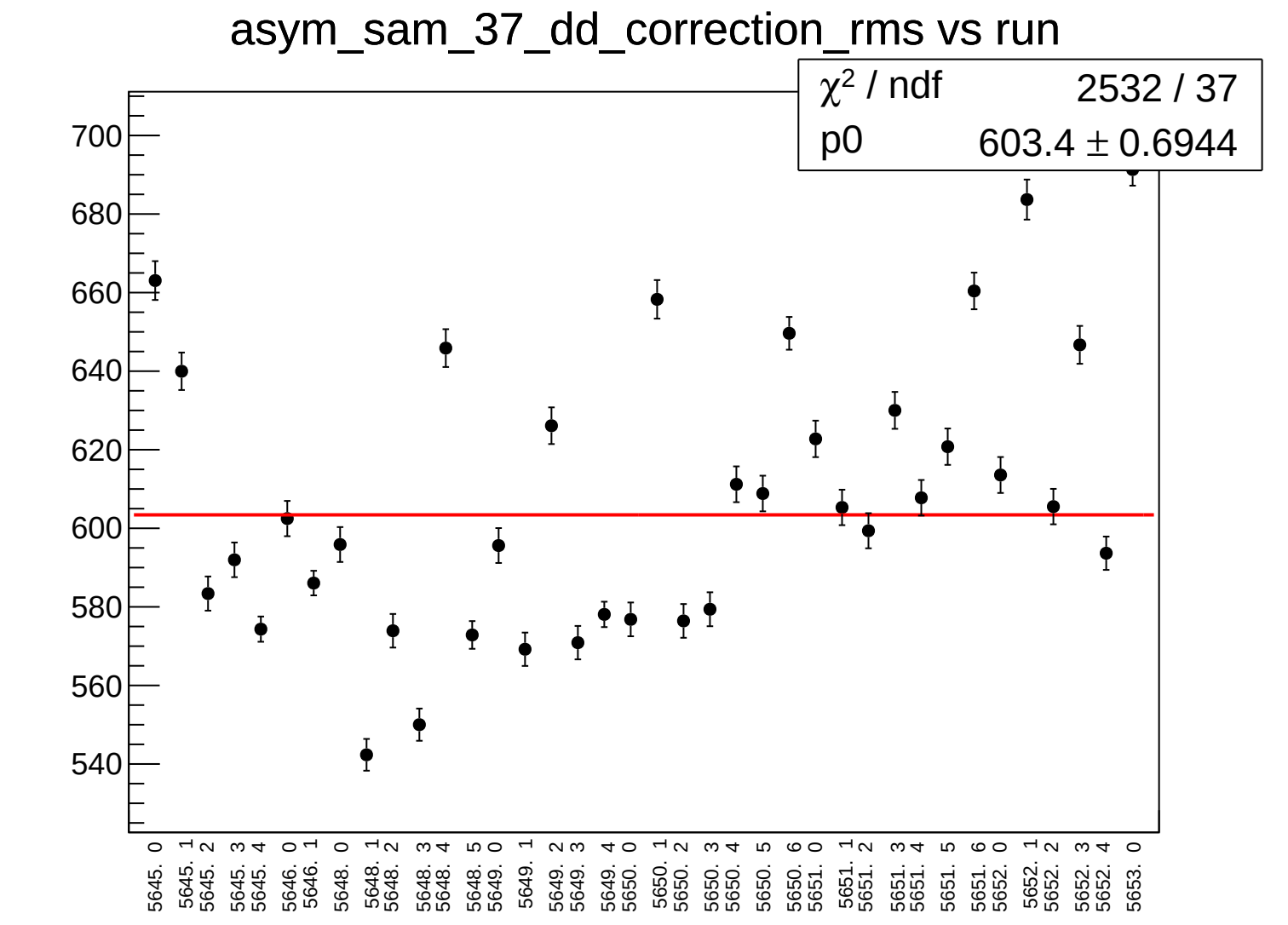

dit_asym_sam_37_dd_mean vs run
χ² / ndf 33.39 / 37
p0 −293.6 ± 226.8
4000
2000
0
−2000
−4000
−6000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 3.078
Std Dev 15.94
2
1
0
−1
−2

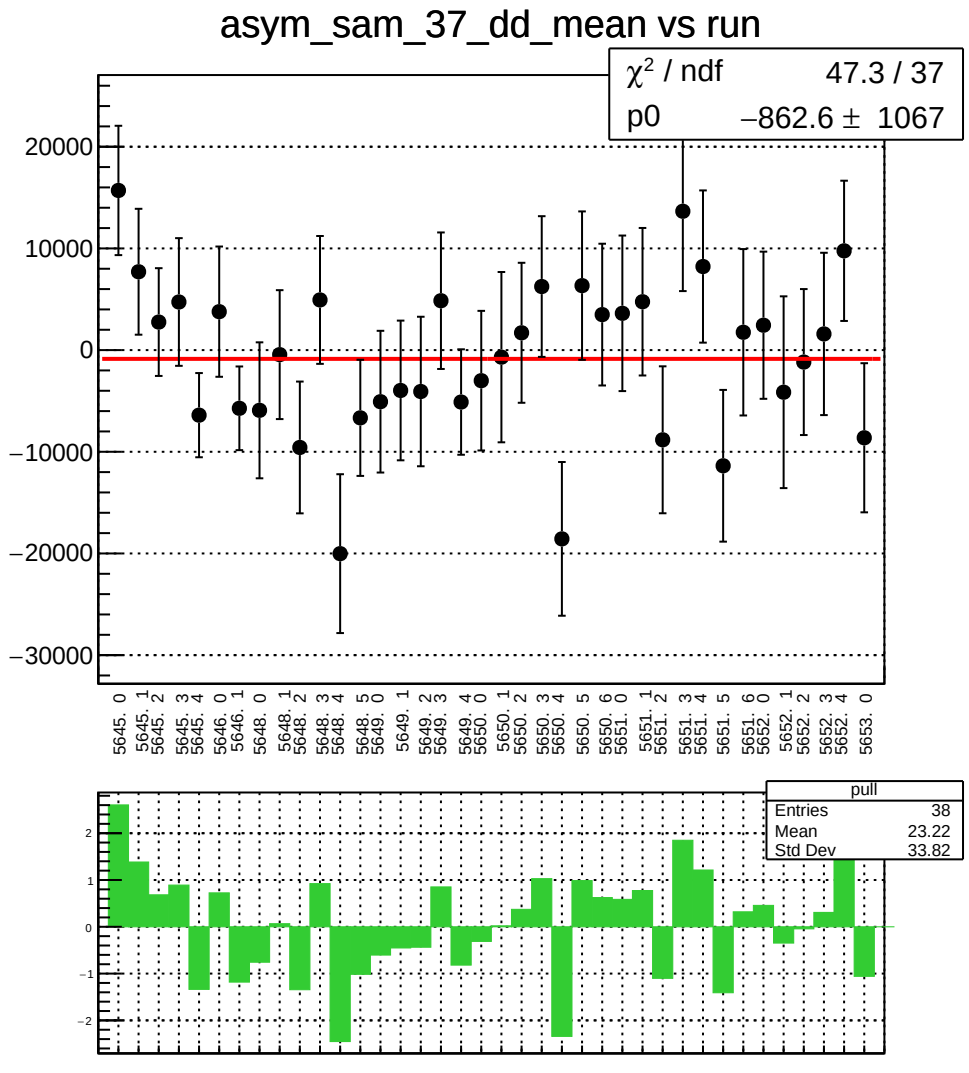

pull1D
Entries 38
Mean −0.0598
Std Dev 0.9355
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

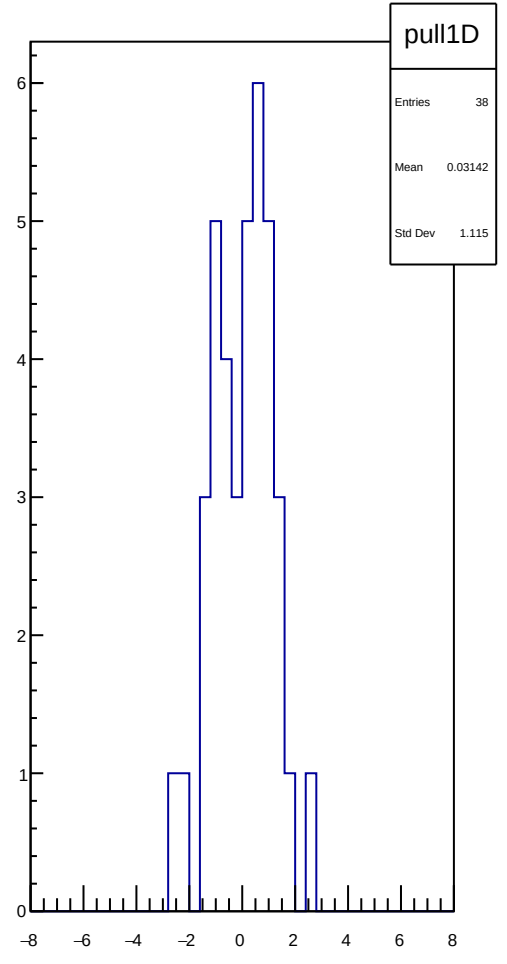

dit_asym_sam_37_dd_rms vs run
χ² / ndf 4.087e+04 / 37
p0 135.8 ± 0.1604
260
240
220
200
180
160
140
120
100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

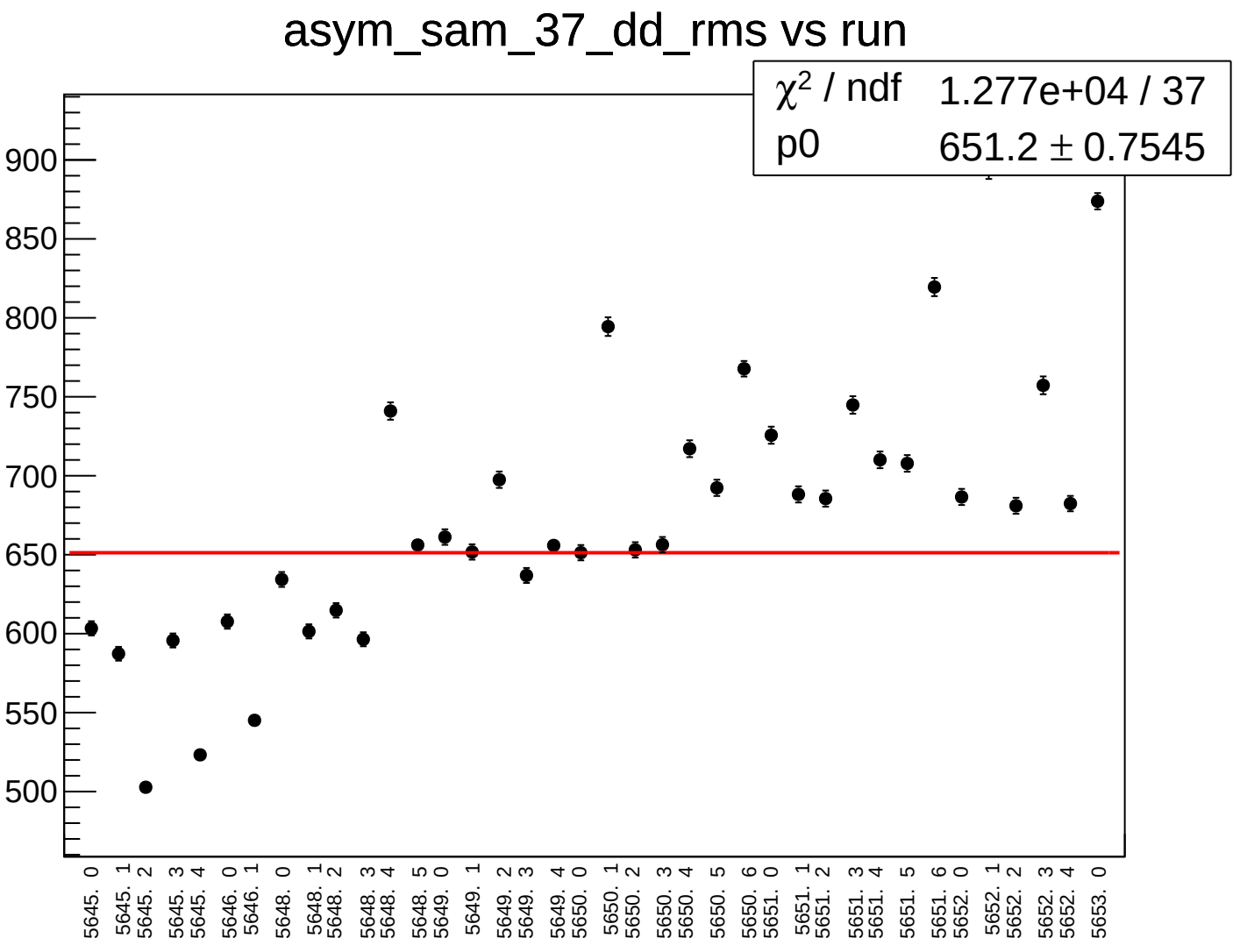

asym_sam_37_dd_correction_mean vs run
χ² / ndf 44.29 / 37
p0 596.4 ± 982
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 25.43
Std Dev 26.95
2
1
0
−1
−2

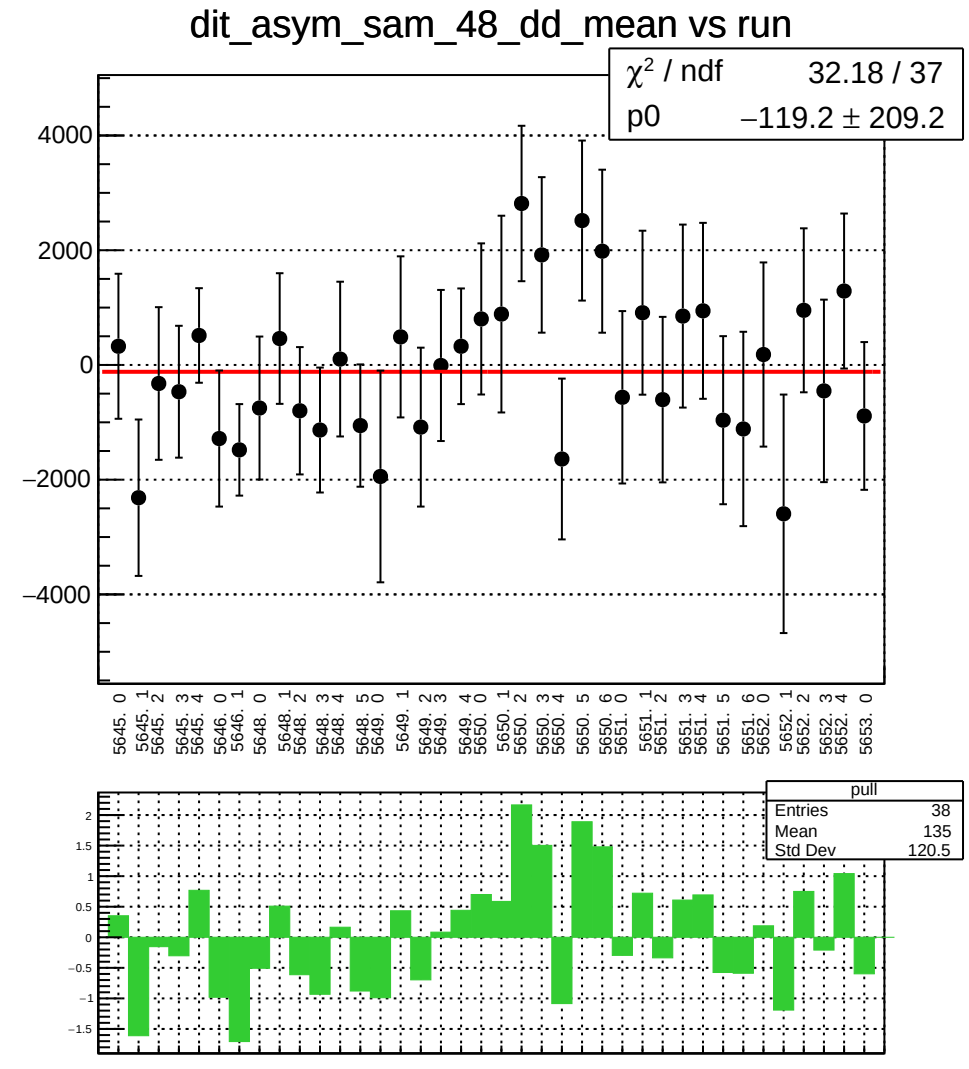

pull1D
Entries 38
Mean −0.04677
Std Dev 1.079
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

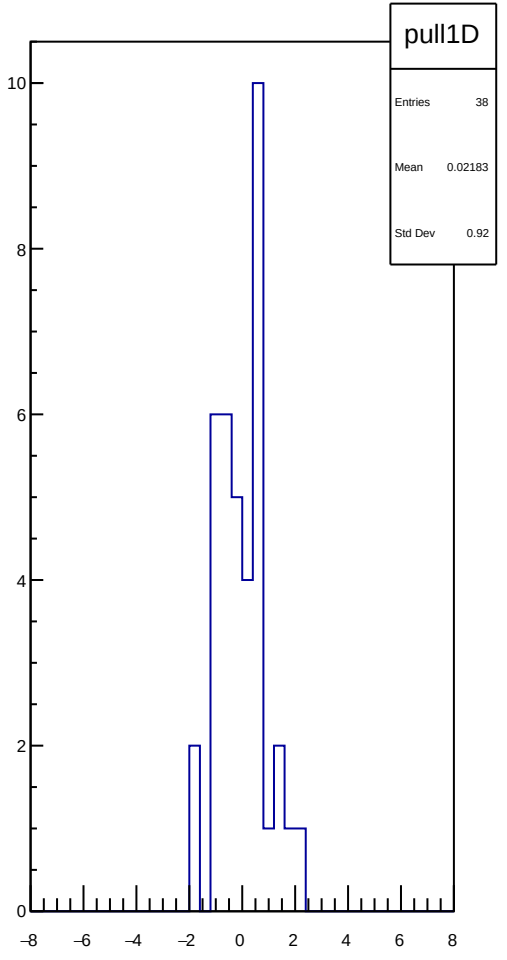

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2532 / 37
p0 603.4 ± 0.6944
700
680
660
640
620
600
580
560
540
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

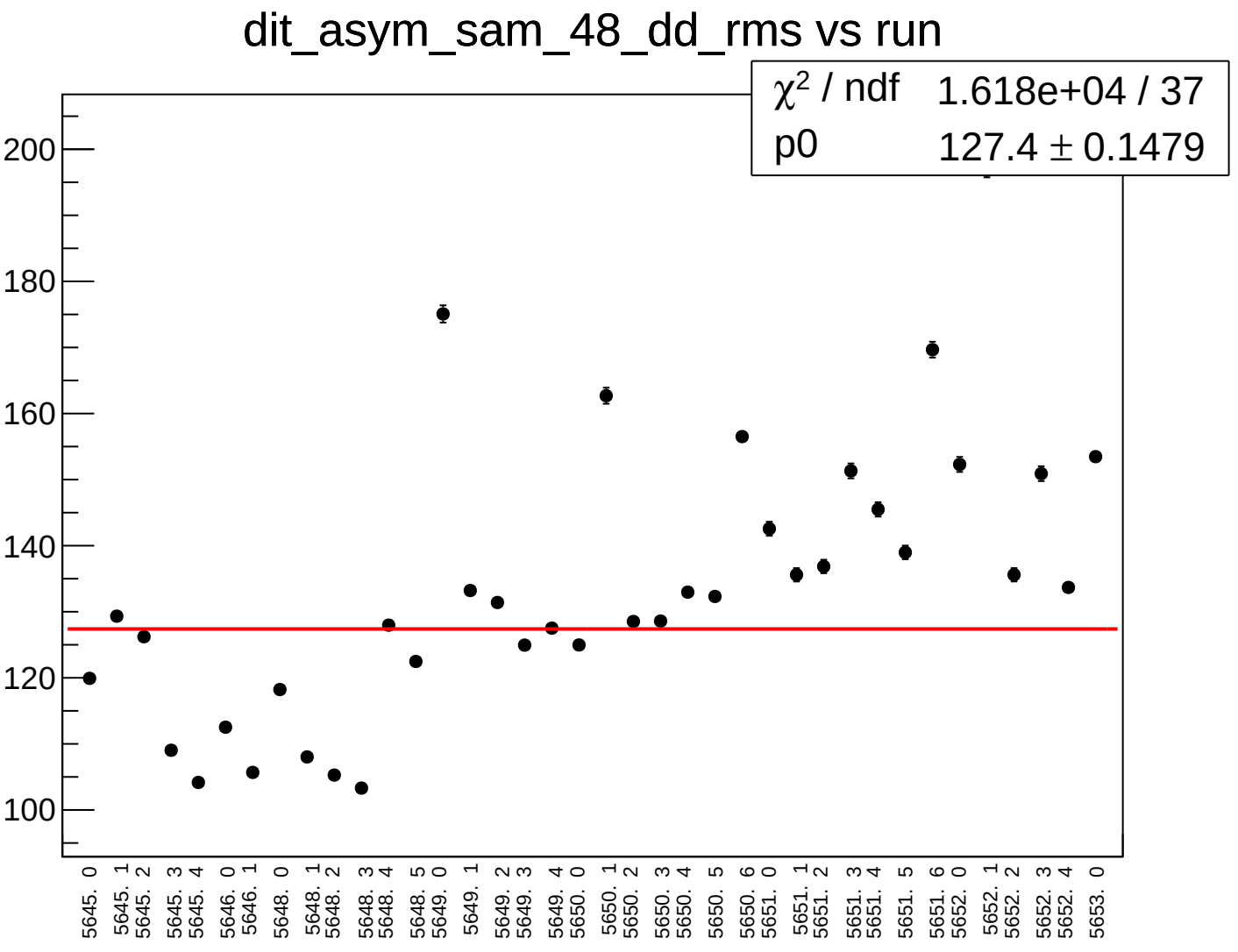

asym_sam_37_dd_mean vs run
χ² / ndf 47.3 / 37
p0 −862.6 ± 1067
20000
10000
0
−10000
−20000
−30000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 23.22
Std Dev 33.82
2
1
0
−1
−2

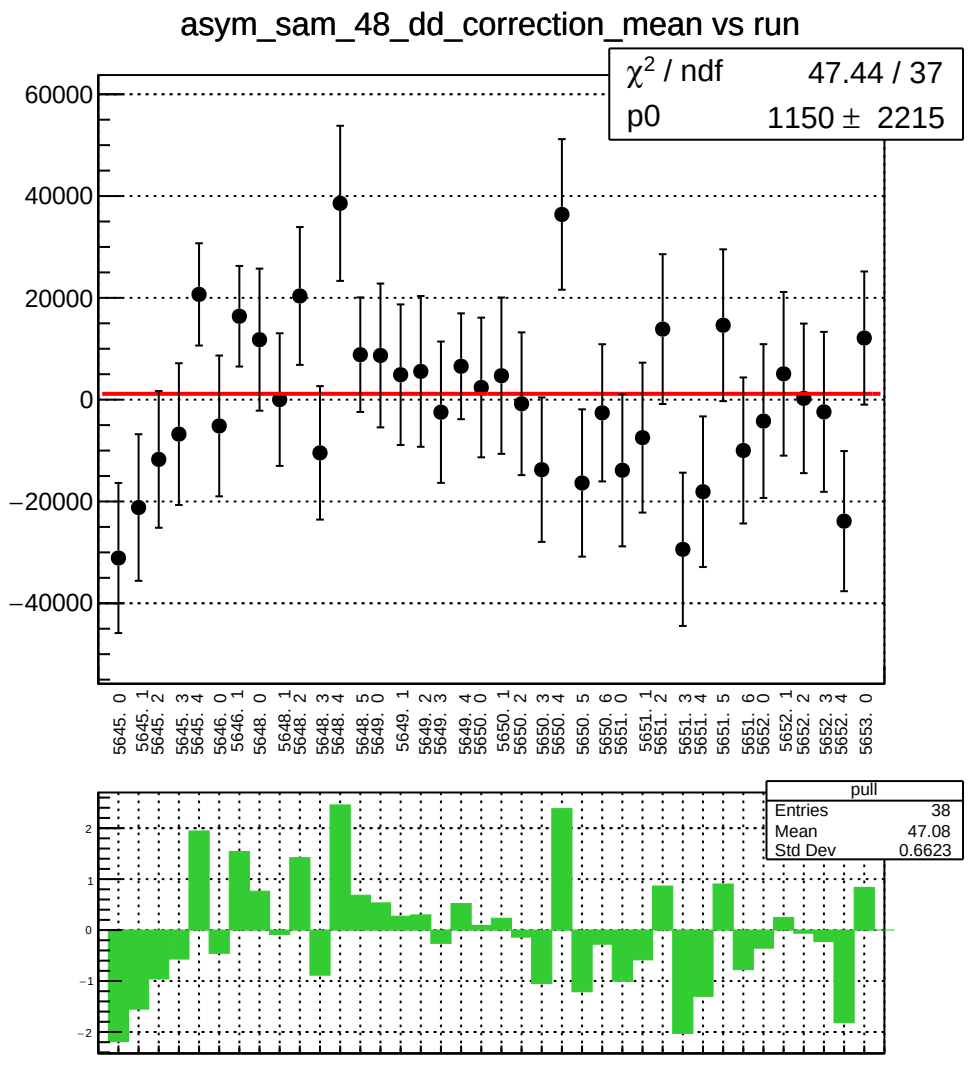

pull1D
Entries 38
Mean 0.03142
Std Dev 1.115
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

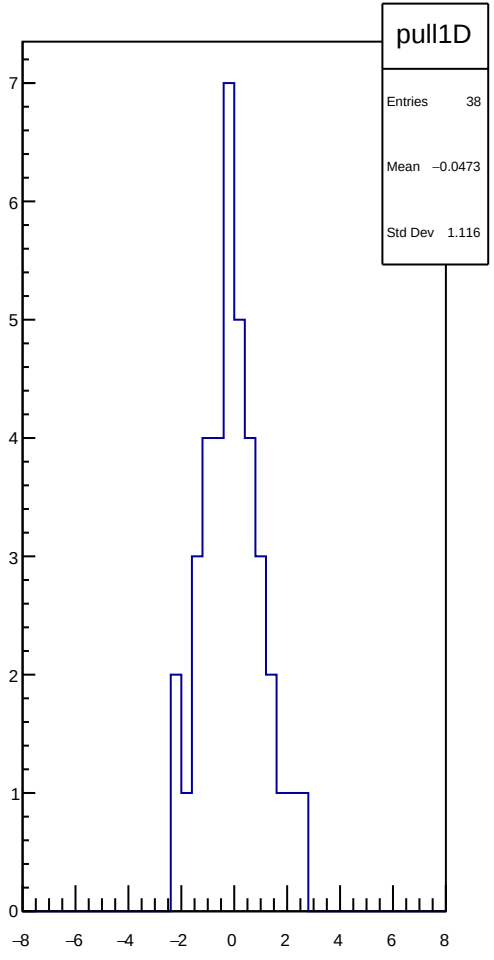

asym_sam_37_dd_rms vs run
χ² / ndf 1.277e+04 / 37
p0 651.2 ± 0.7545
900
850
800
750
700
650
600
550
500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

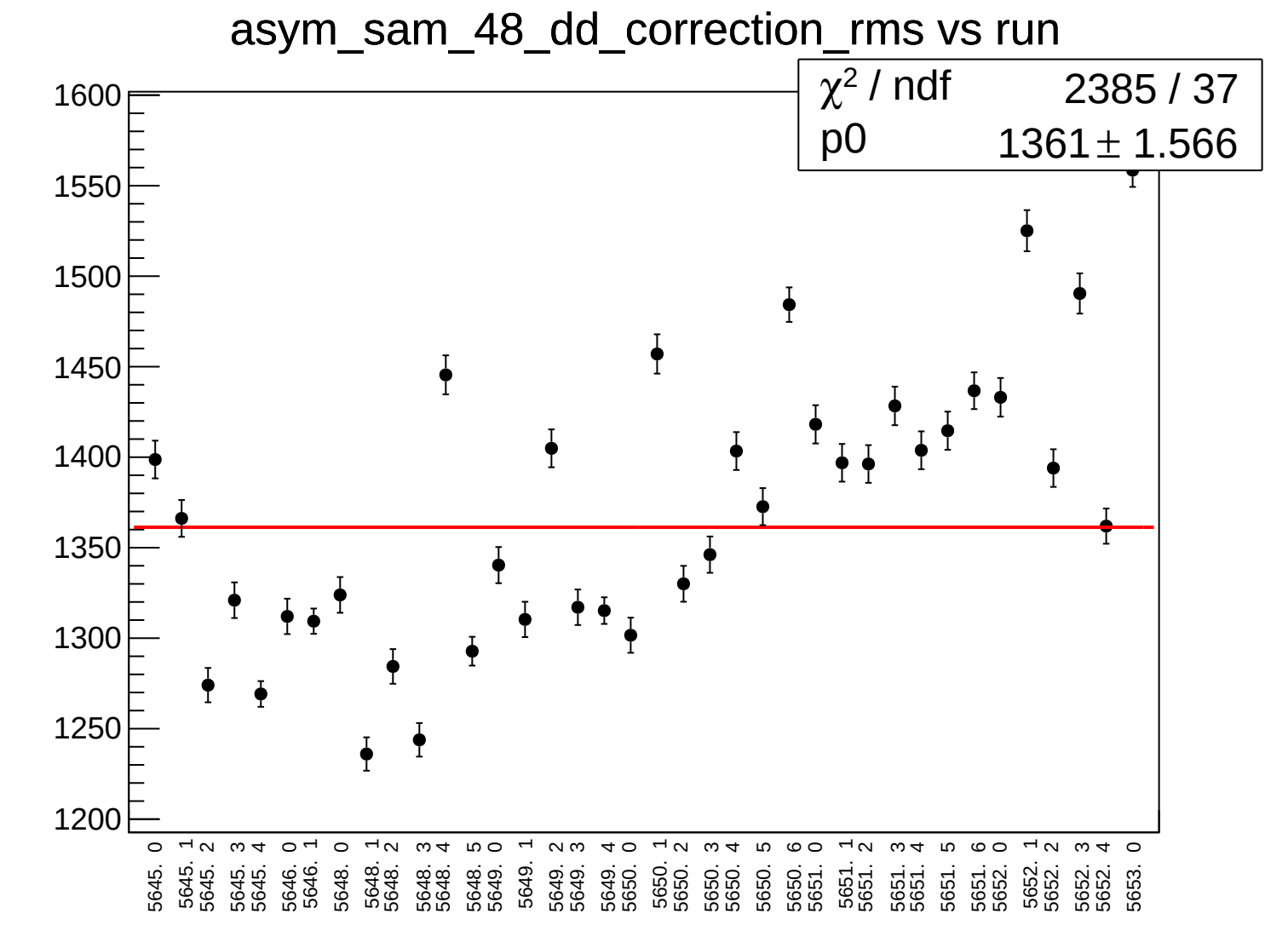

dit_asym_sam_48_dd_mean vs run
χ² / ndf 32.18 / 37
p0 −119.2 ± 209.2
4000
2000
0
−2000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 135
Std Dev 120.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

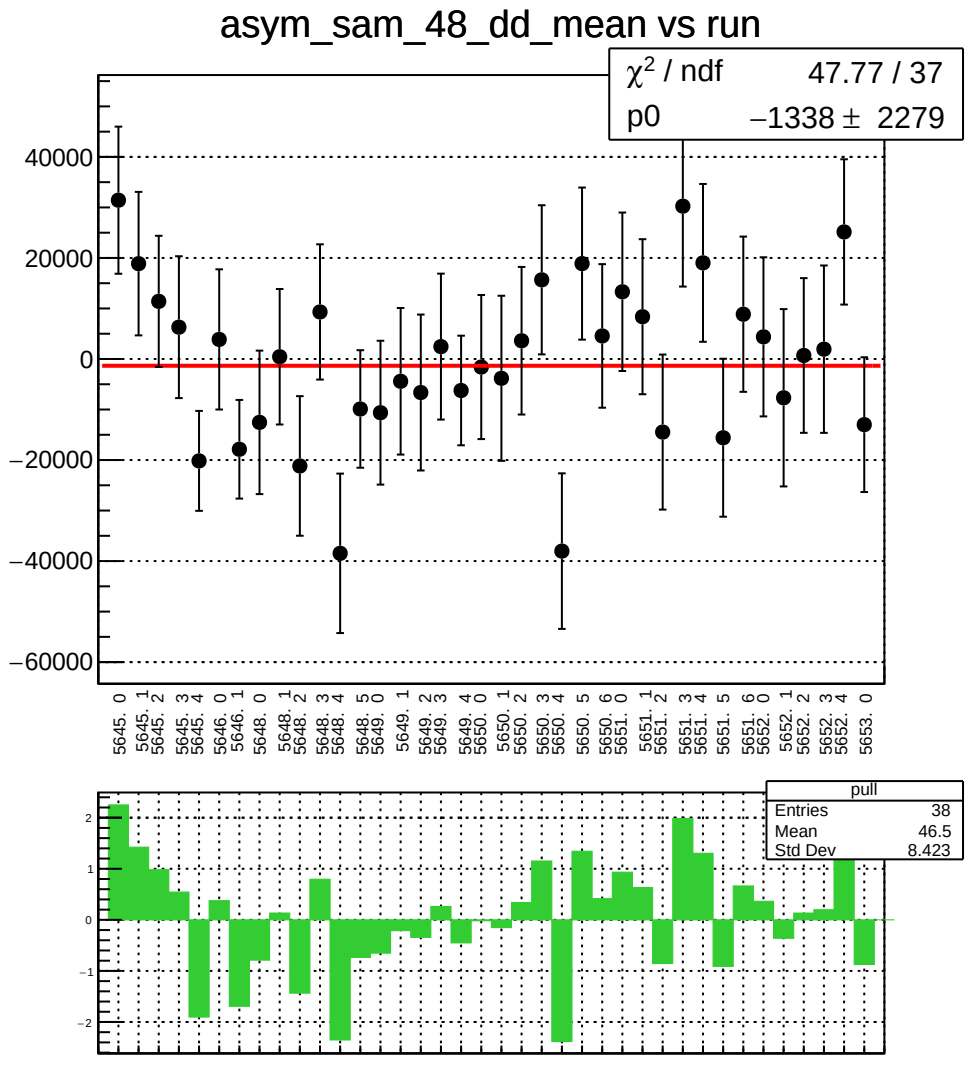

pull1D
Entries 38
Mean 0.02183
Std Dev 0.92
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

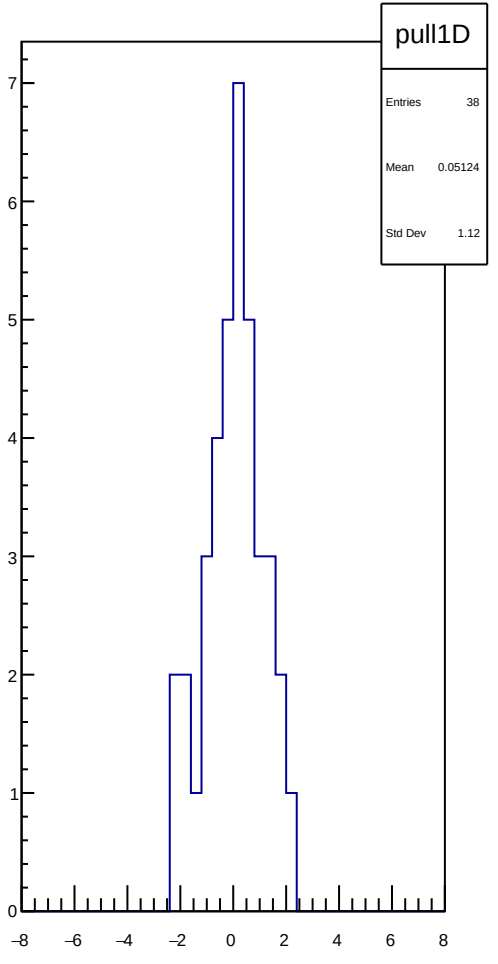

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.618e+04 / 37
p0 127.4 ± 0.1479
200
180
160
140
120
100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

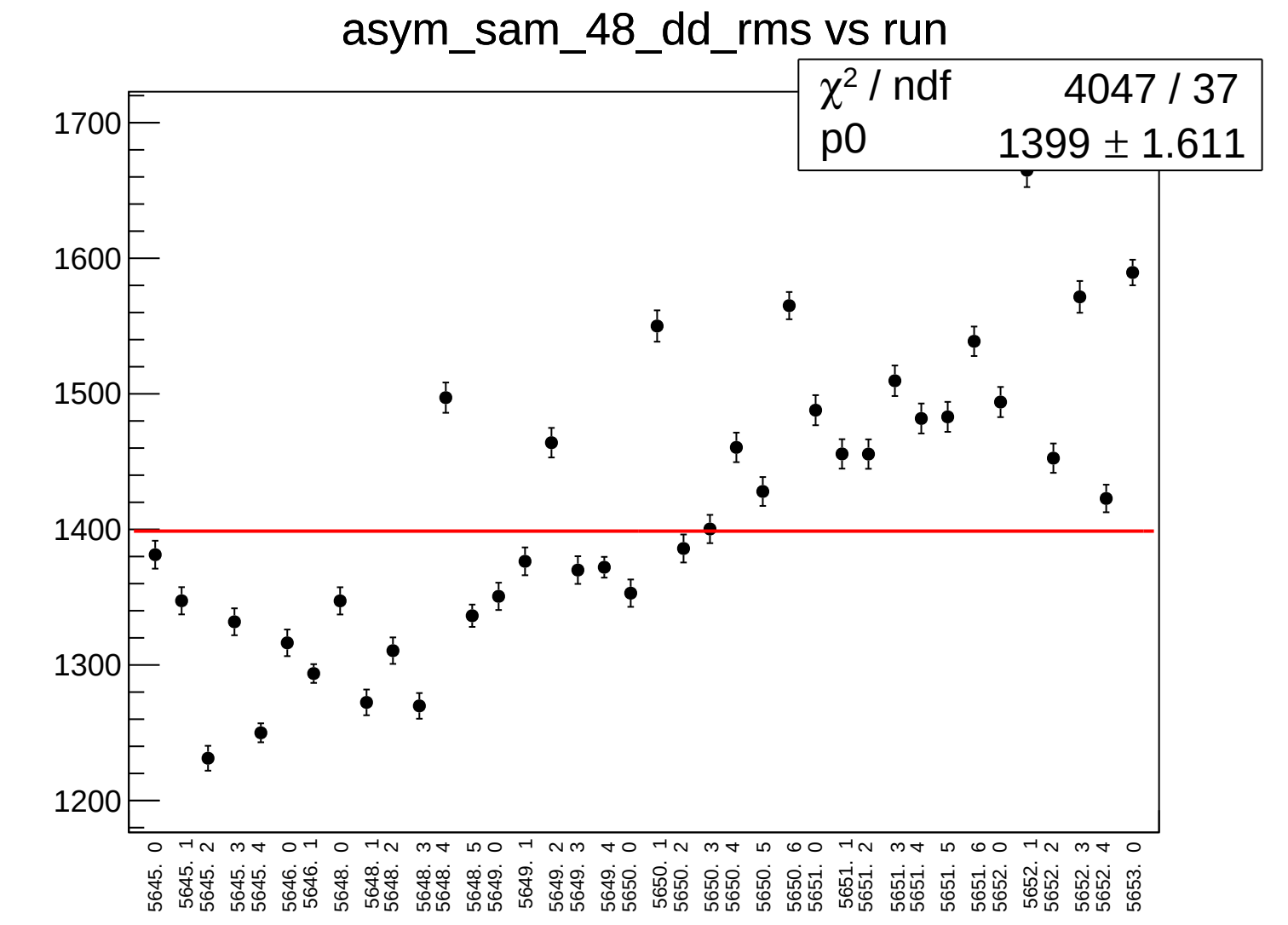

asym_sam_48_dd_correction_mean vs run
χ² / ndf 47.44 / 37
p0 1150 ± 2215
60000
40000
20000
0
−20000
−40000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 47.08
Std Dev 0.6623
2
1
0
−1
−2

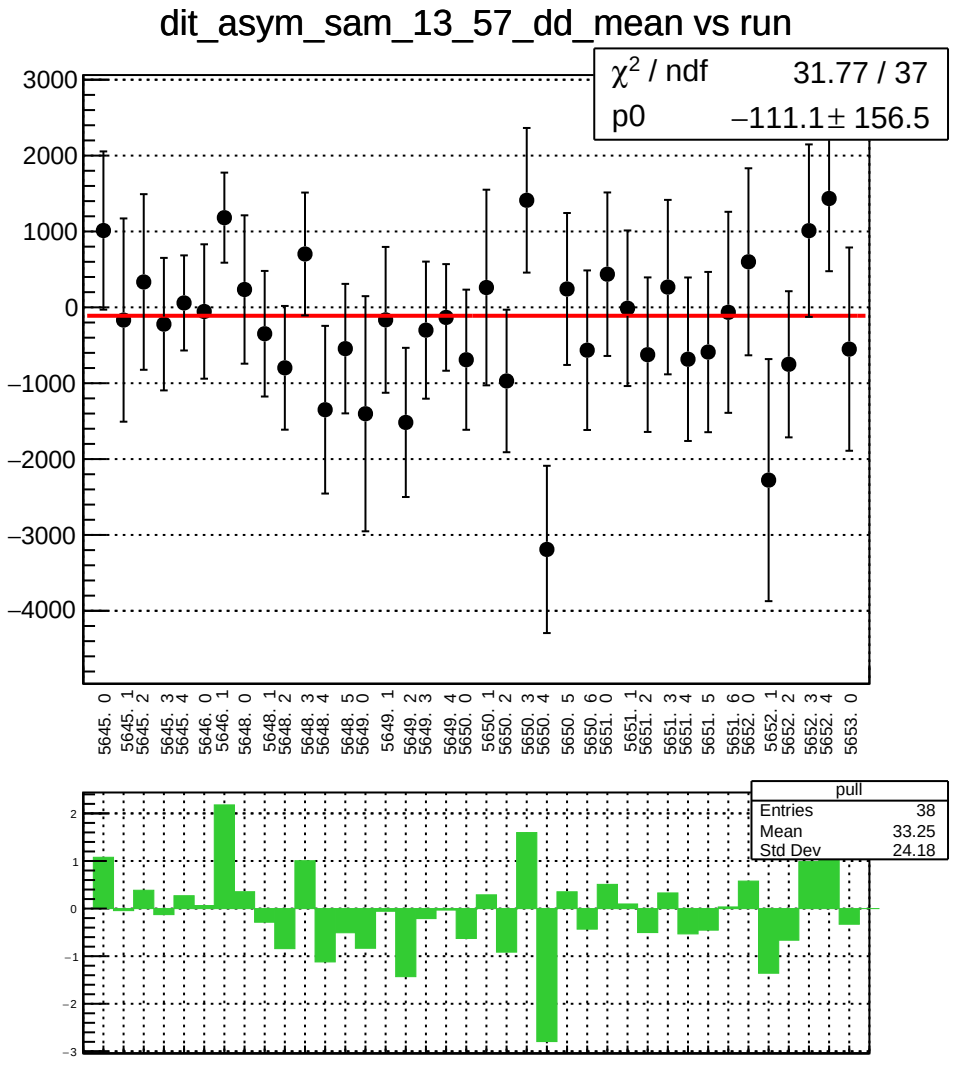

pull1D
Entries 38
Mean −0.0473
Std Dev 1.116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

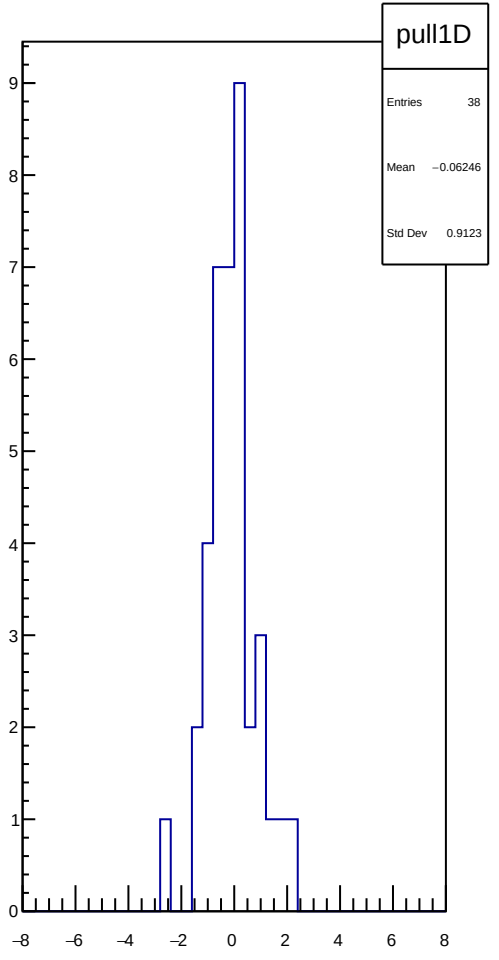

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2385 / 37
p0 1361 ± 1.566
1600
1550
1500
1450
1400
1350
1300
1250
1200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

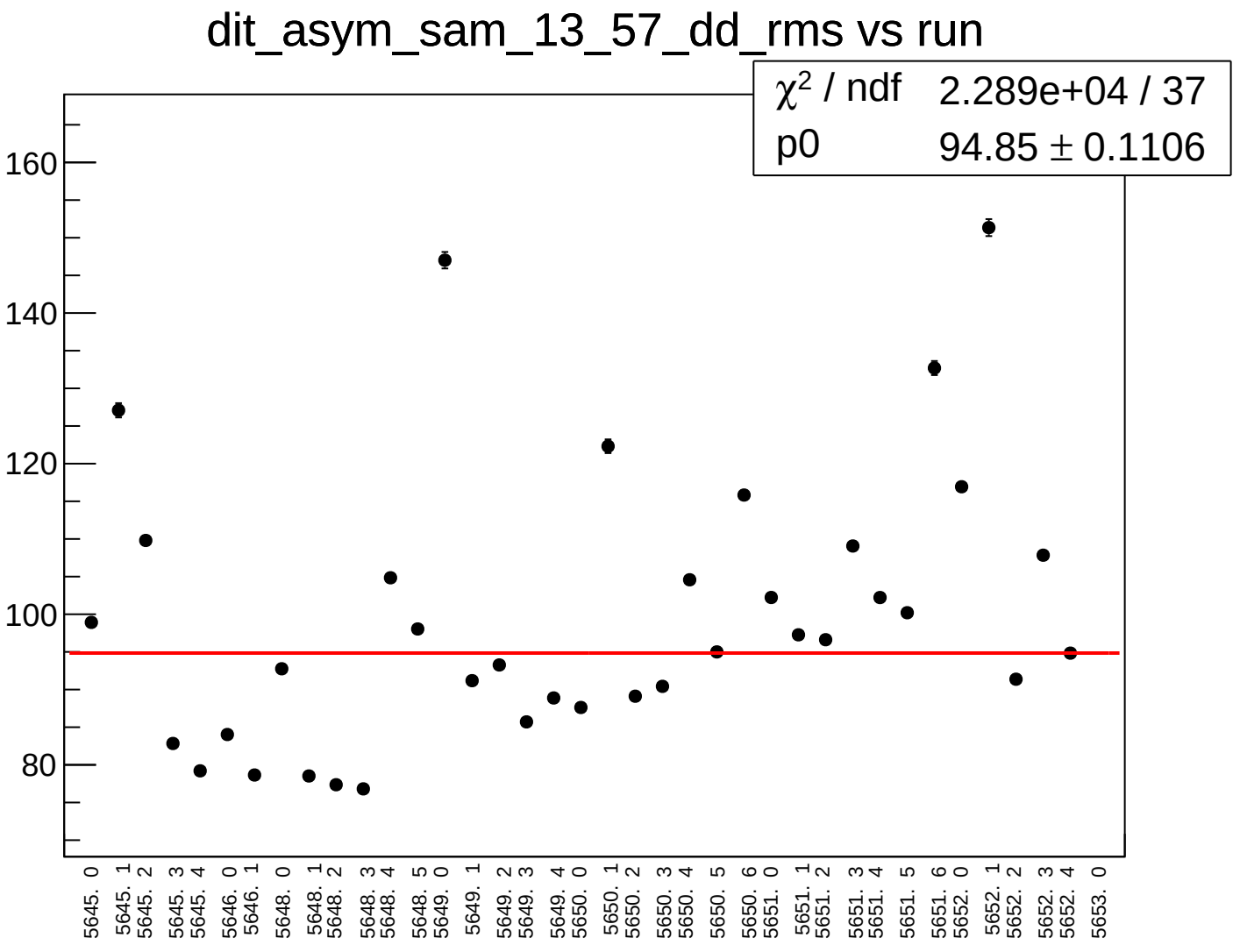

asym_sam_48_dd_mean vs run
χ² / ndf 47.77 / 37
p0 −1338 ± 2279
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 46.5
Std Dev 8.423
2
1
0
−1
−2

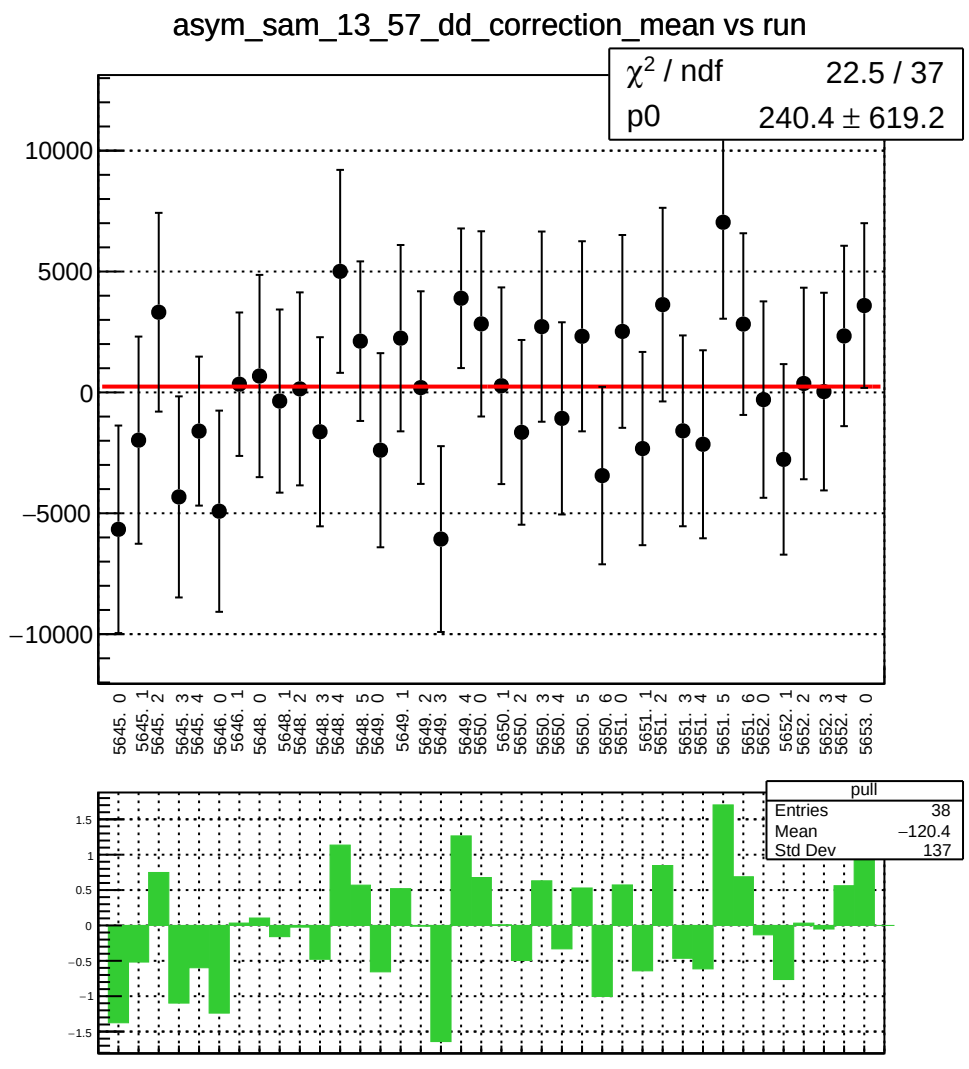

pull1D
Entries 38
Mean 0.05124
Std Dev 1.12
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

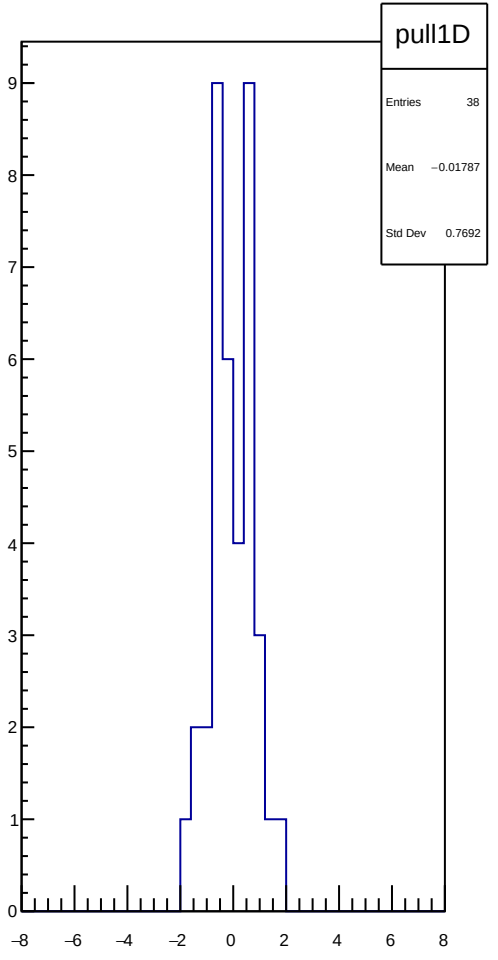

asym_sam_48_dd_rms vs run
χ² / ndf 4047 / 37
p0 1399 ± 1.611
1700
1600
1500
1400
1300
1200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

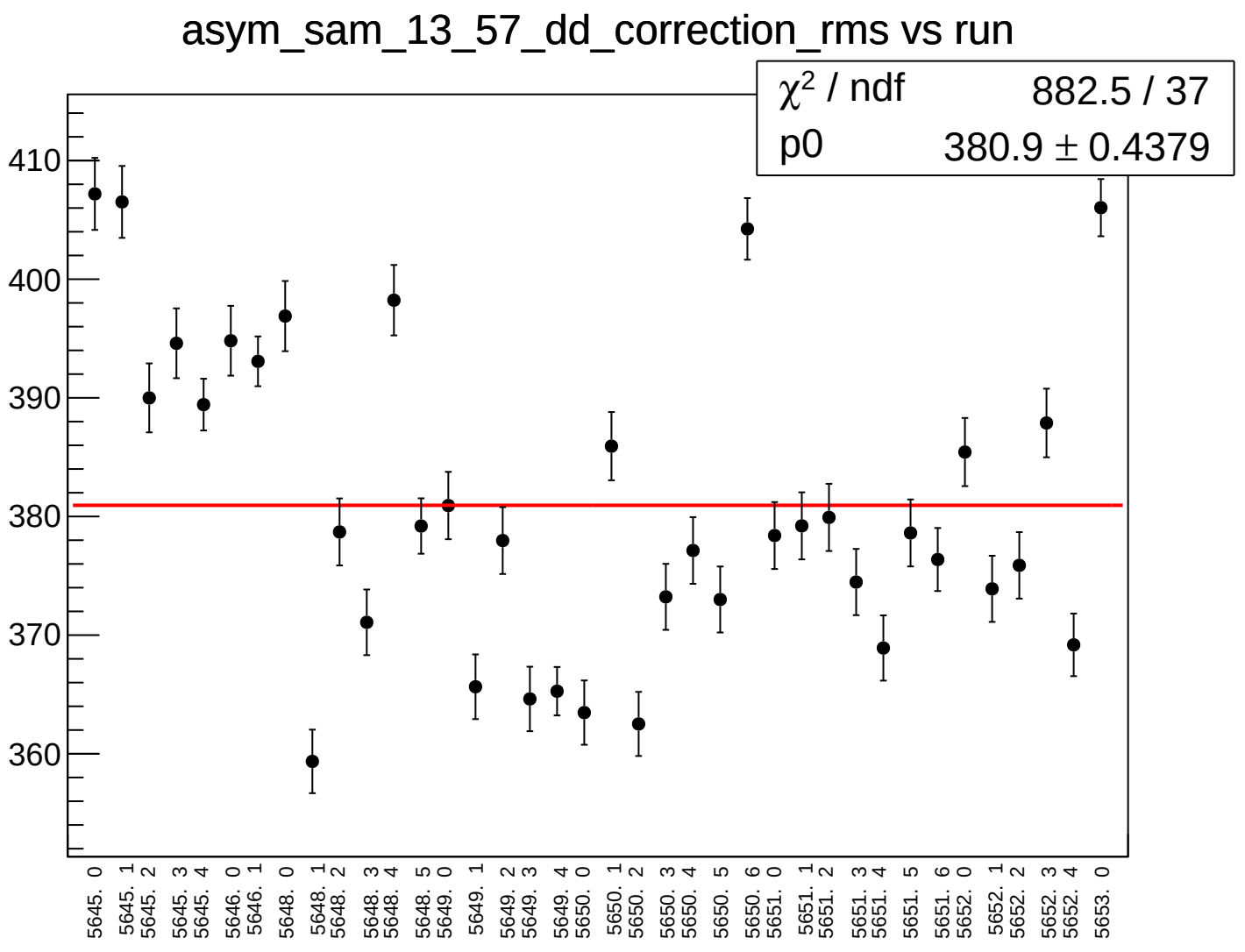

dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 31.77 / 37
p0 −111.1± 156.5
3000
2000
1000
0
−1000
−2000
−3000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 33.25
Std Dev 24.18
2
1
0
−1
−2
−3

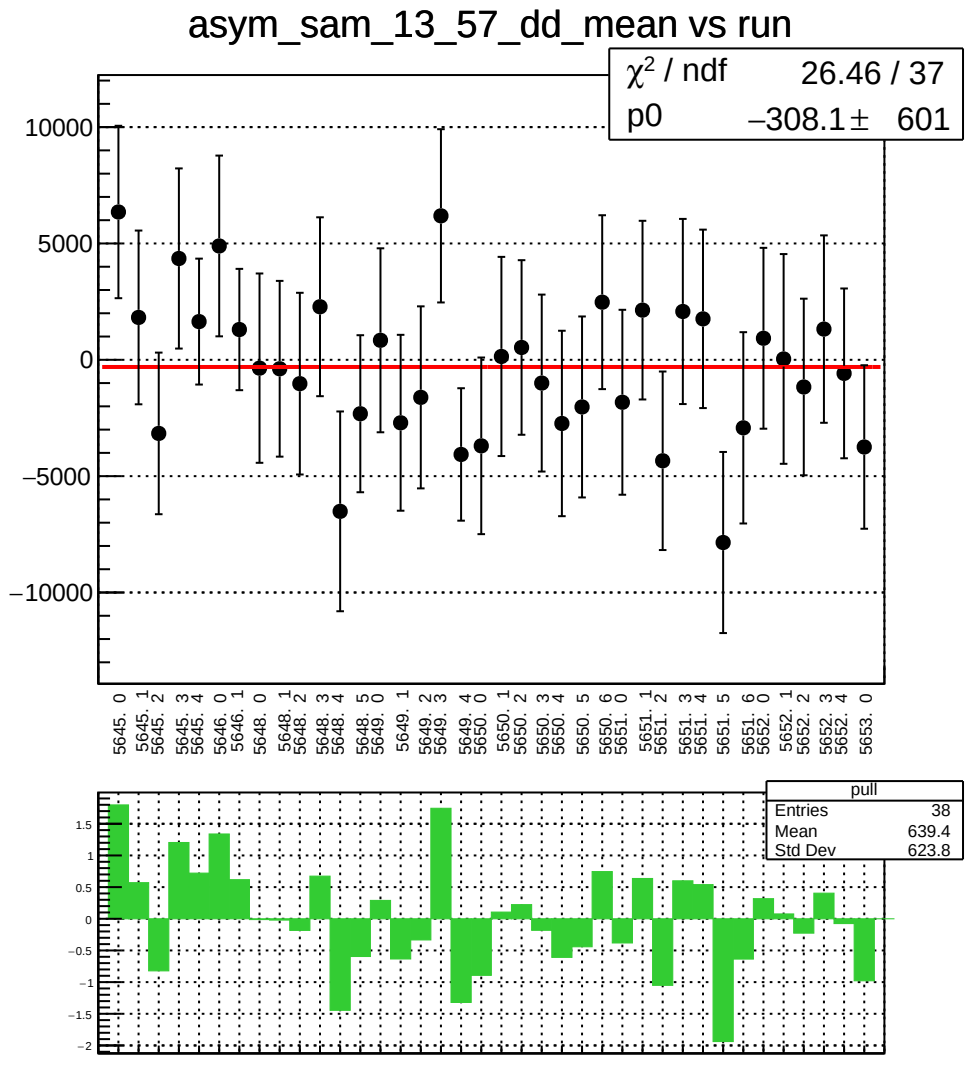

pull1D
Entries 38
Mean −0.06246
Std Dev 0.9123
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

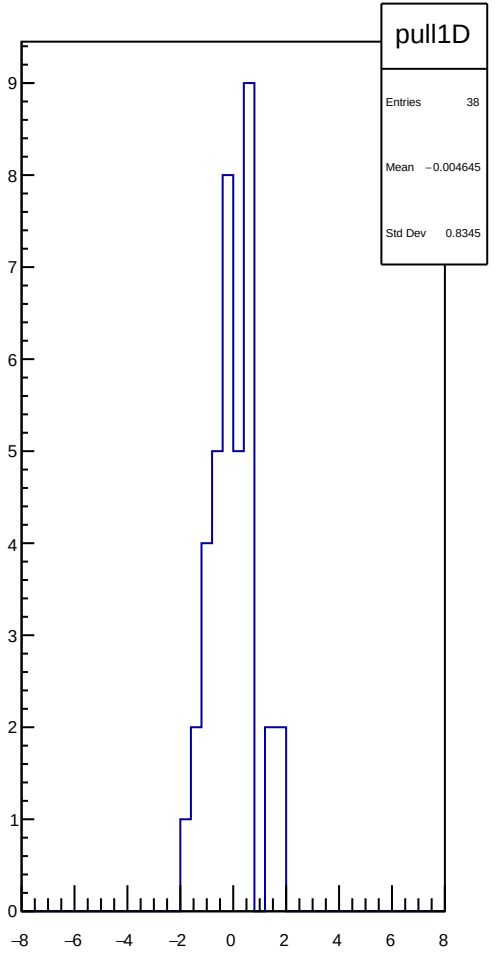

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.289e+04 / 37
p0 94.85 ± 0.1106
160
140
120
100
80
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

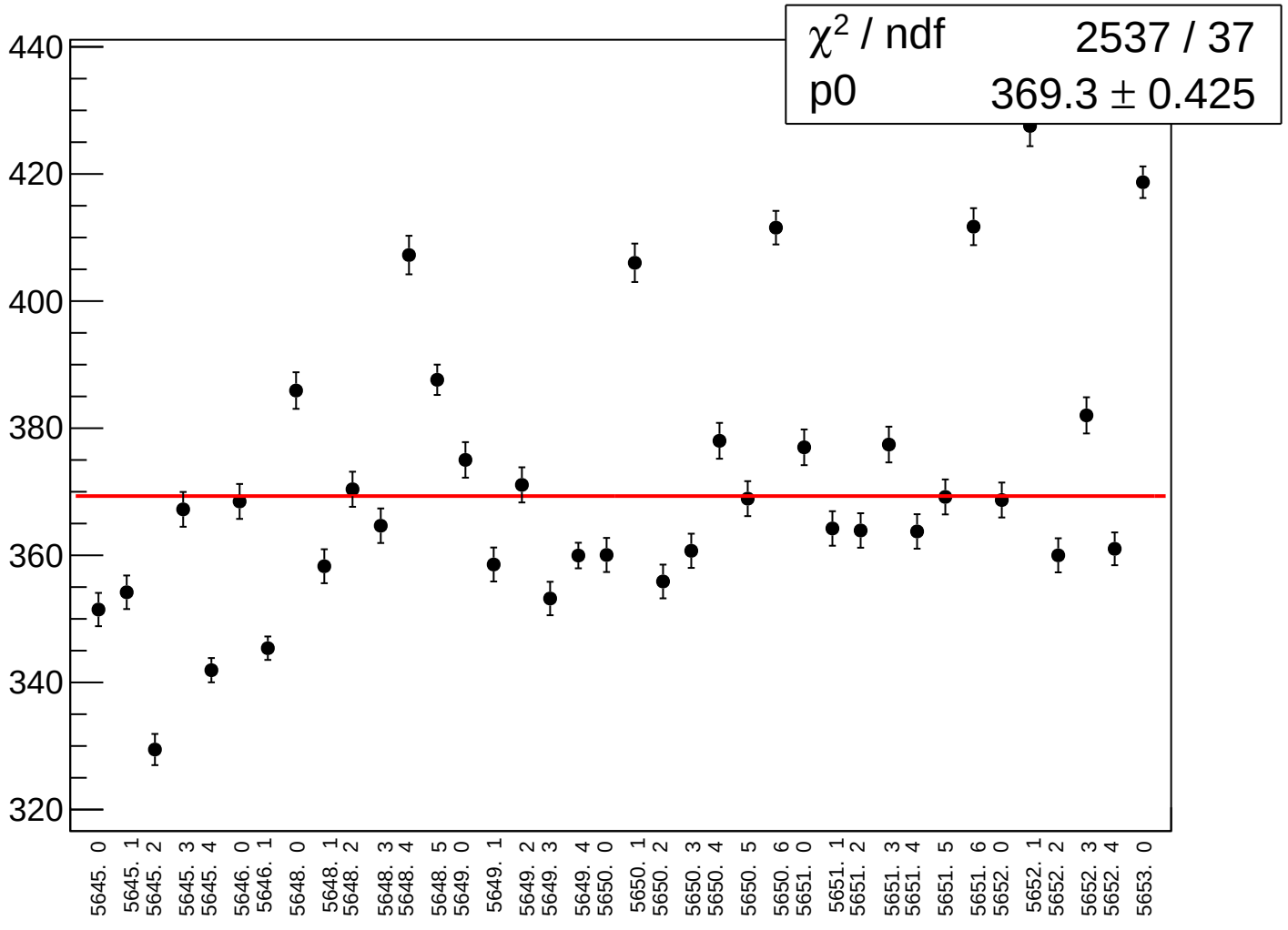

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 22.5 / 37
p0 240.4 ± 619.2
10000
5000
0
−5000
−10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −120.4
Std Dev 137
1.5
1
0.5
0
−0.5
−1
−1.5

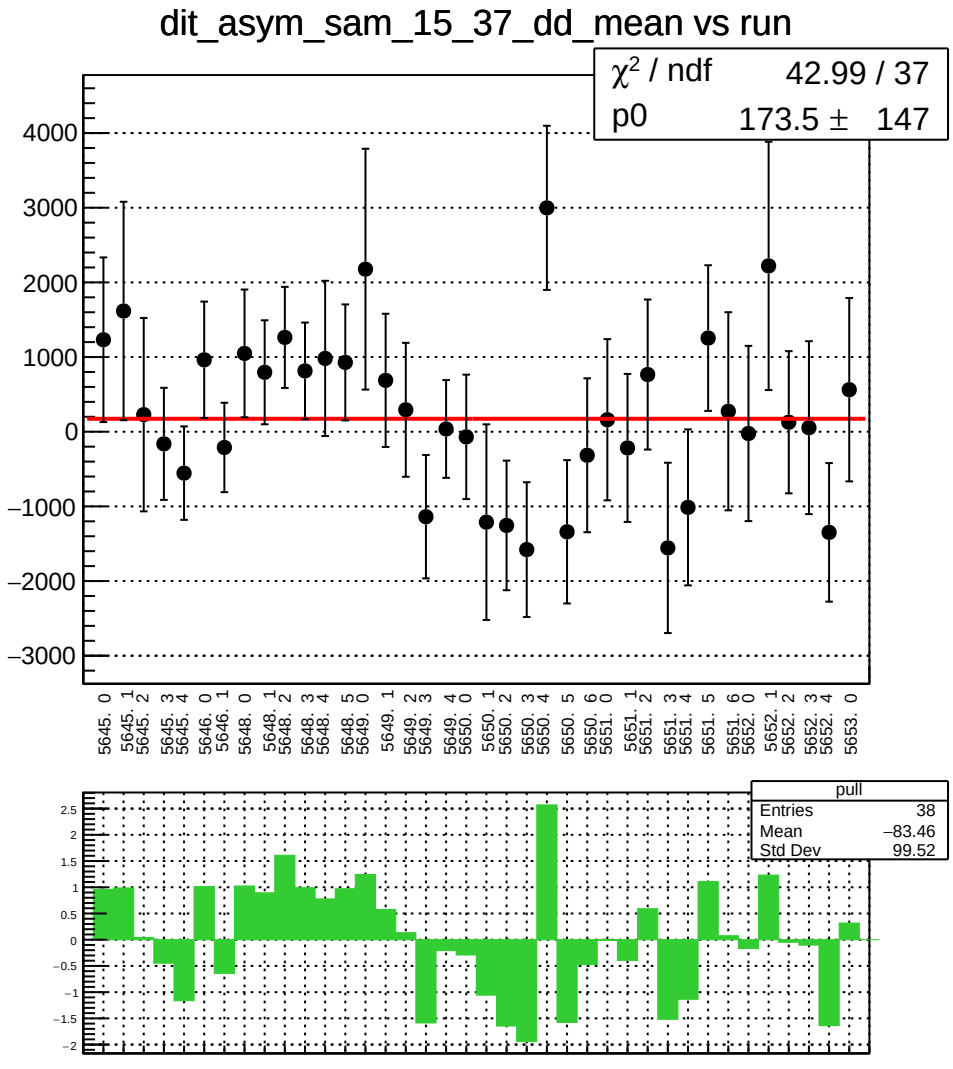

pull1D
Entries 38
Mean −0.01787
Std Dev 0.7692
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

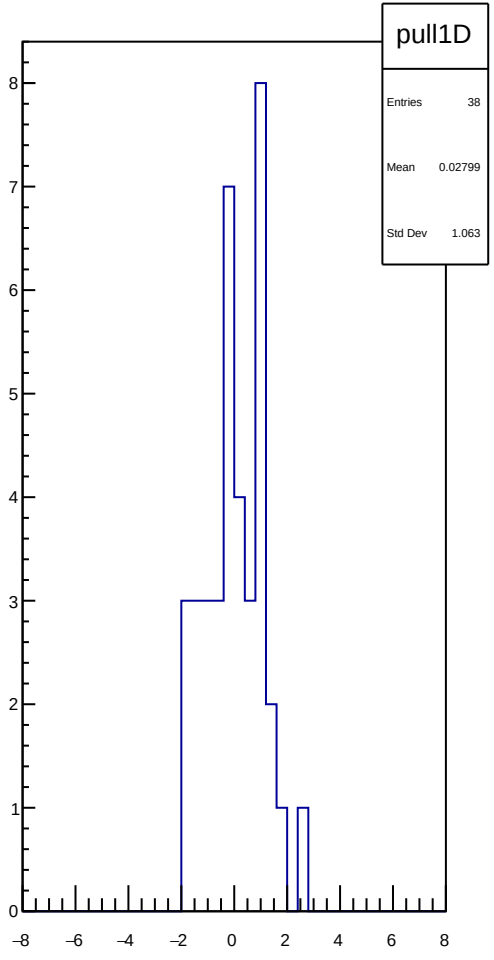

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 882.5 / 37
p0 380.9 ± 0.4379
410
400
390
380
370
360
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

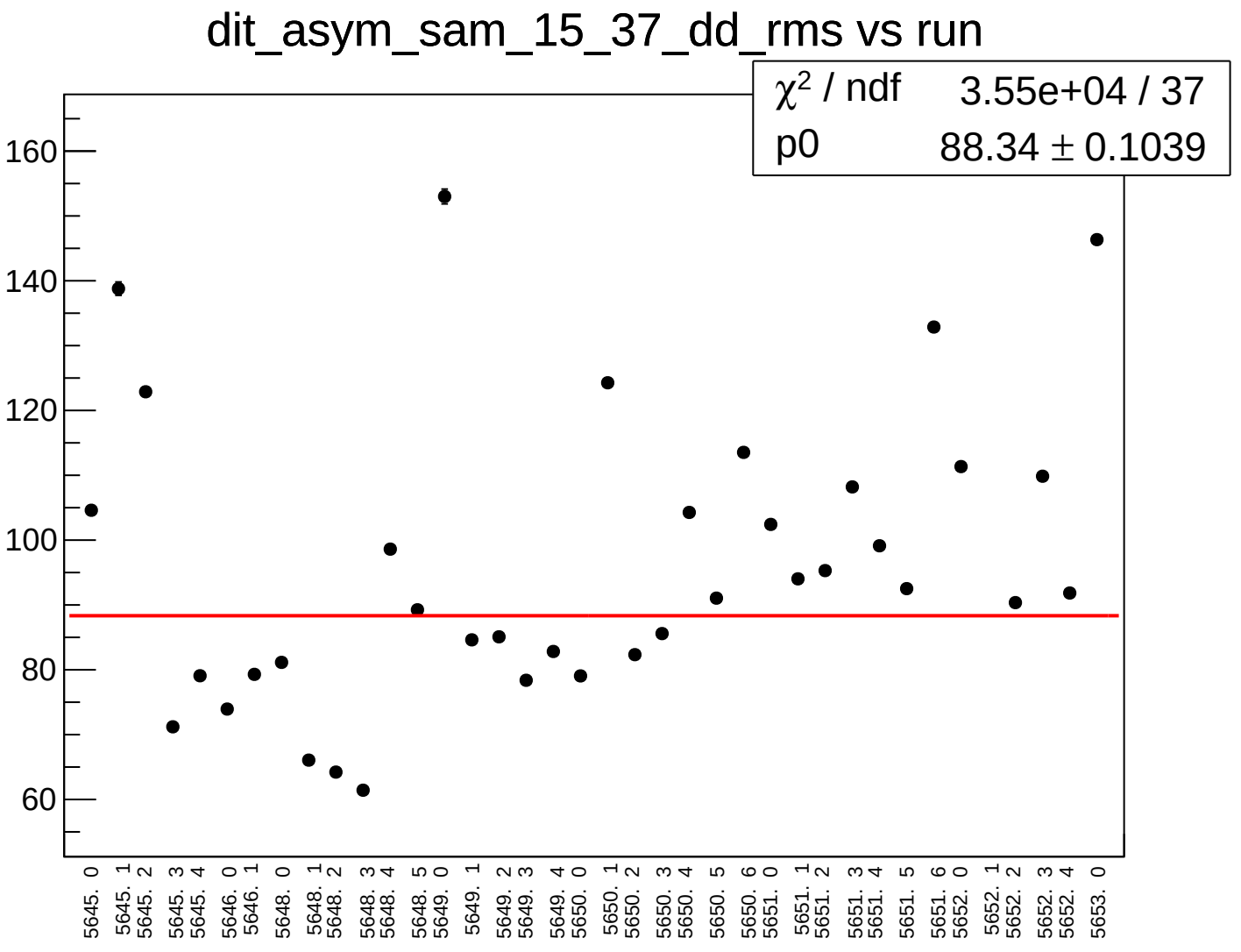

asym_sam_13_57_dd_mean vs run
χ² / ndf 26.46 / 37
p0 −308.1 ± 601
10000
5000
0
−5000
−10000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 639.4
Std Dev 623.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

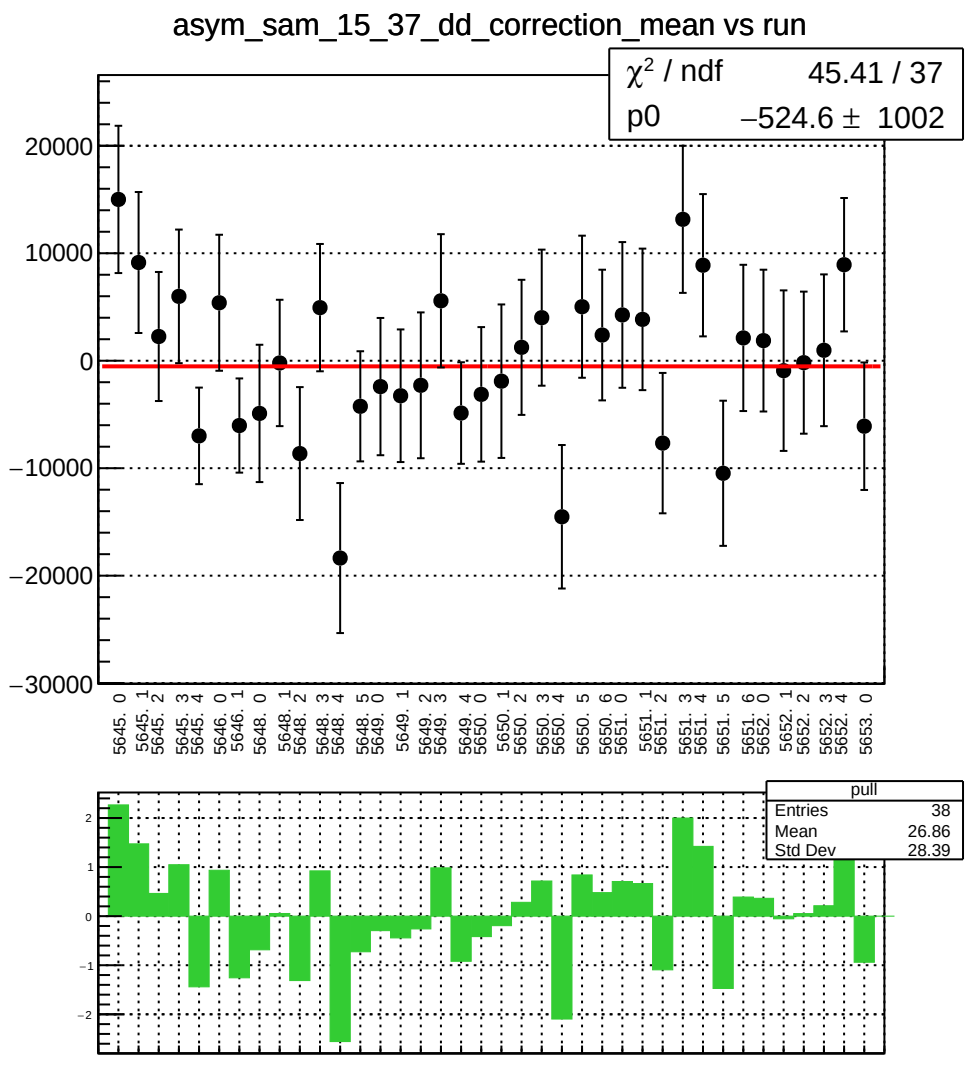

pull1D
Entries 38
Mean −0.004645
Std Dev 0.8345
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

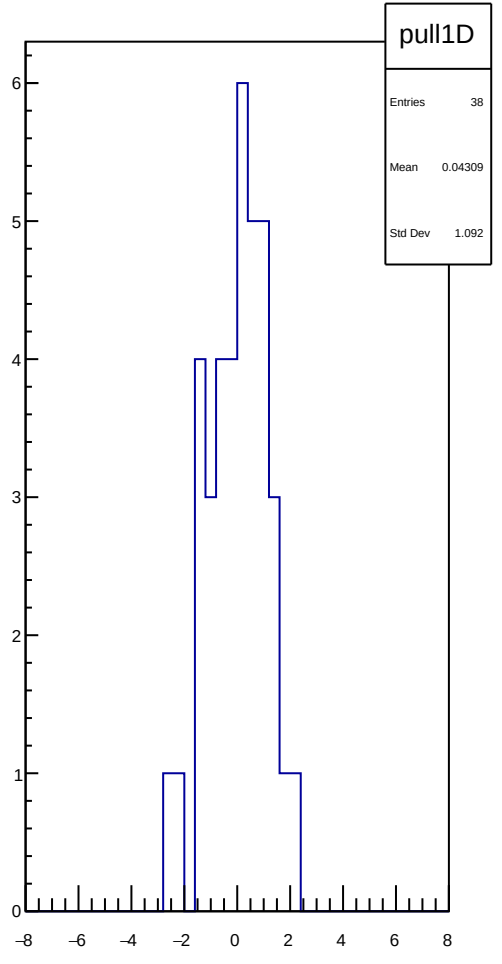

asym_sam_13_57_dd_rms vs run
χ² / ndf 2537 / 37
p0 369.3 ± 0.425
440
420
400
380
360
340
320
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

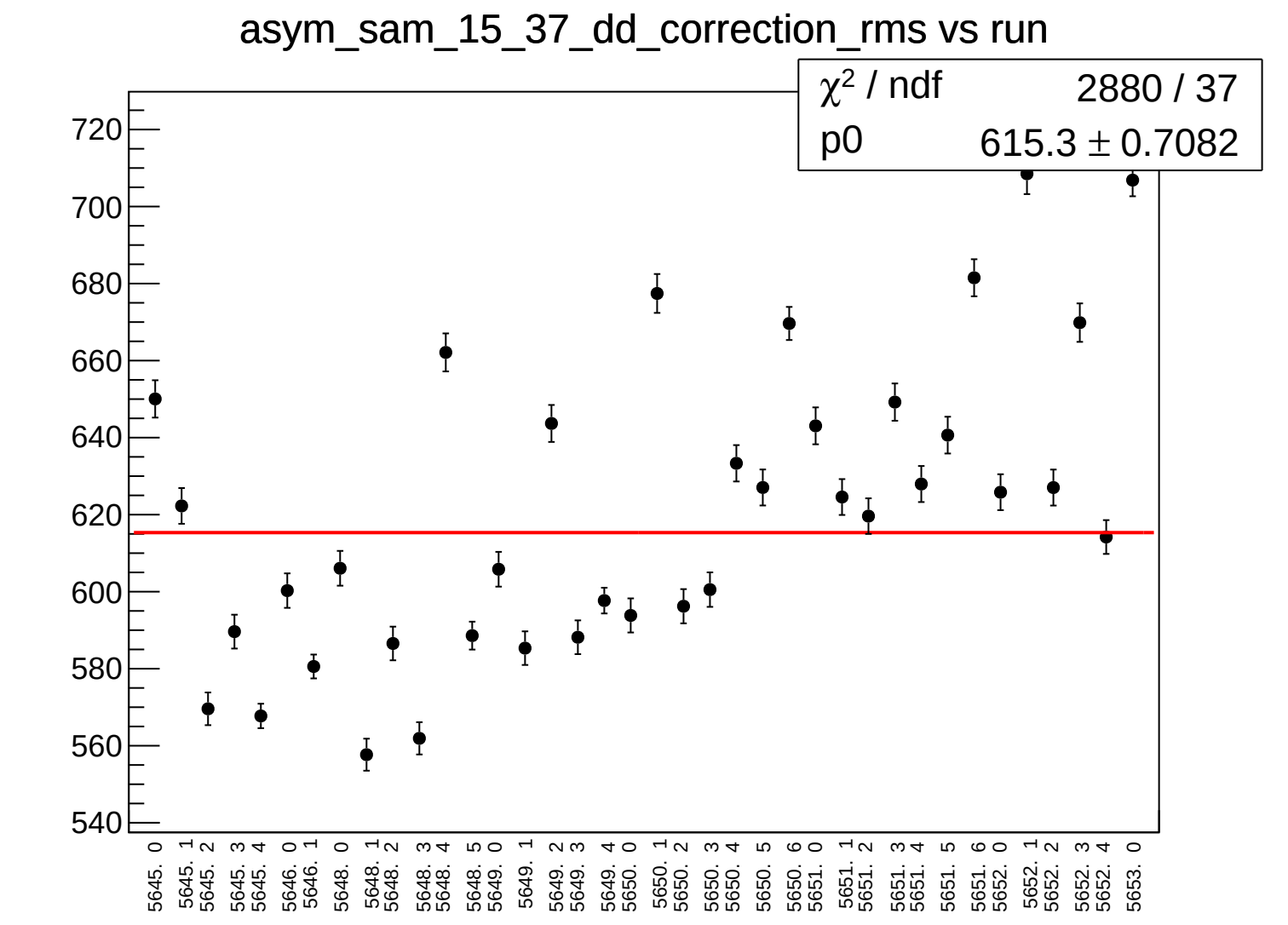

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 42.99 / 37
p0 173.5 ± 147
4000
3000
2000
1000
0
−1000
−2000
−3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −83.46
Std Dev 99.52
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

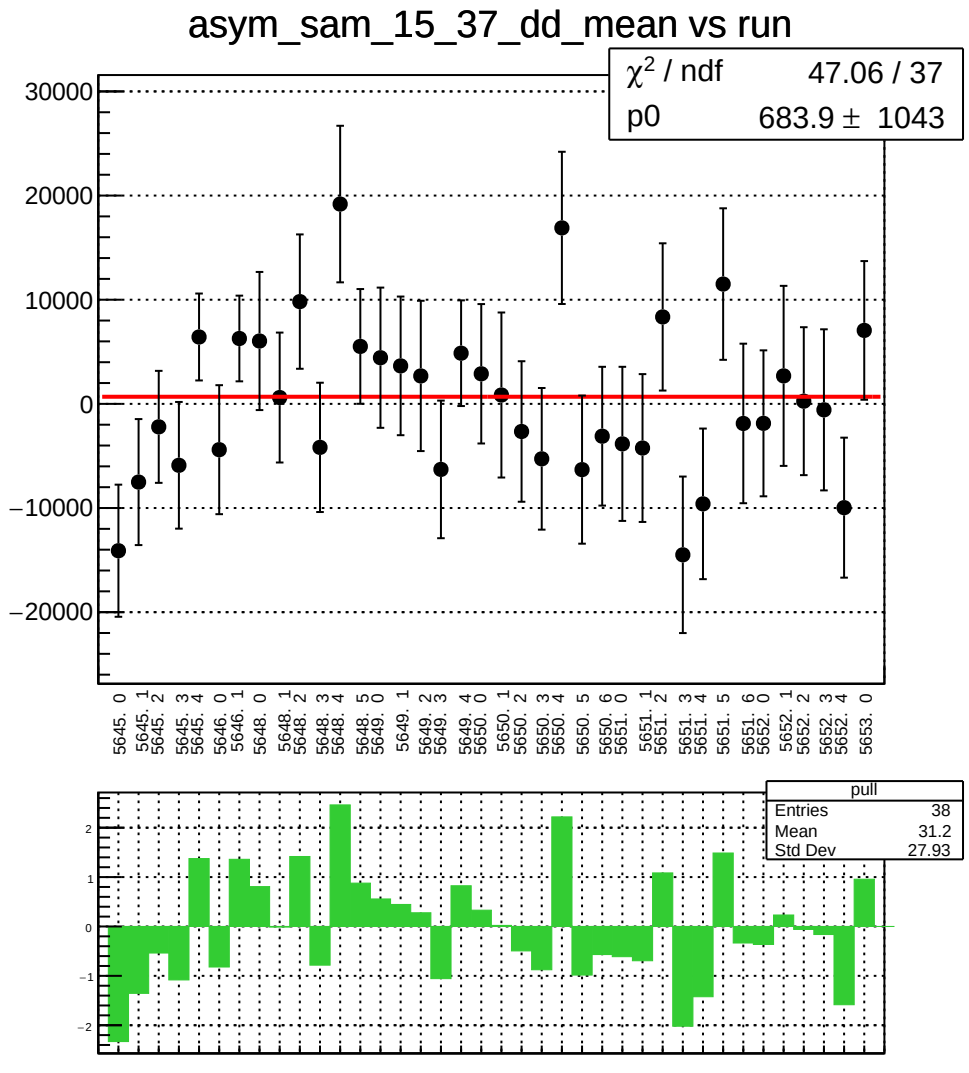

pull1D
Entries 38
Mean 0.02799
Std Dev 1.063
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

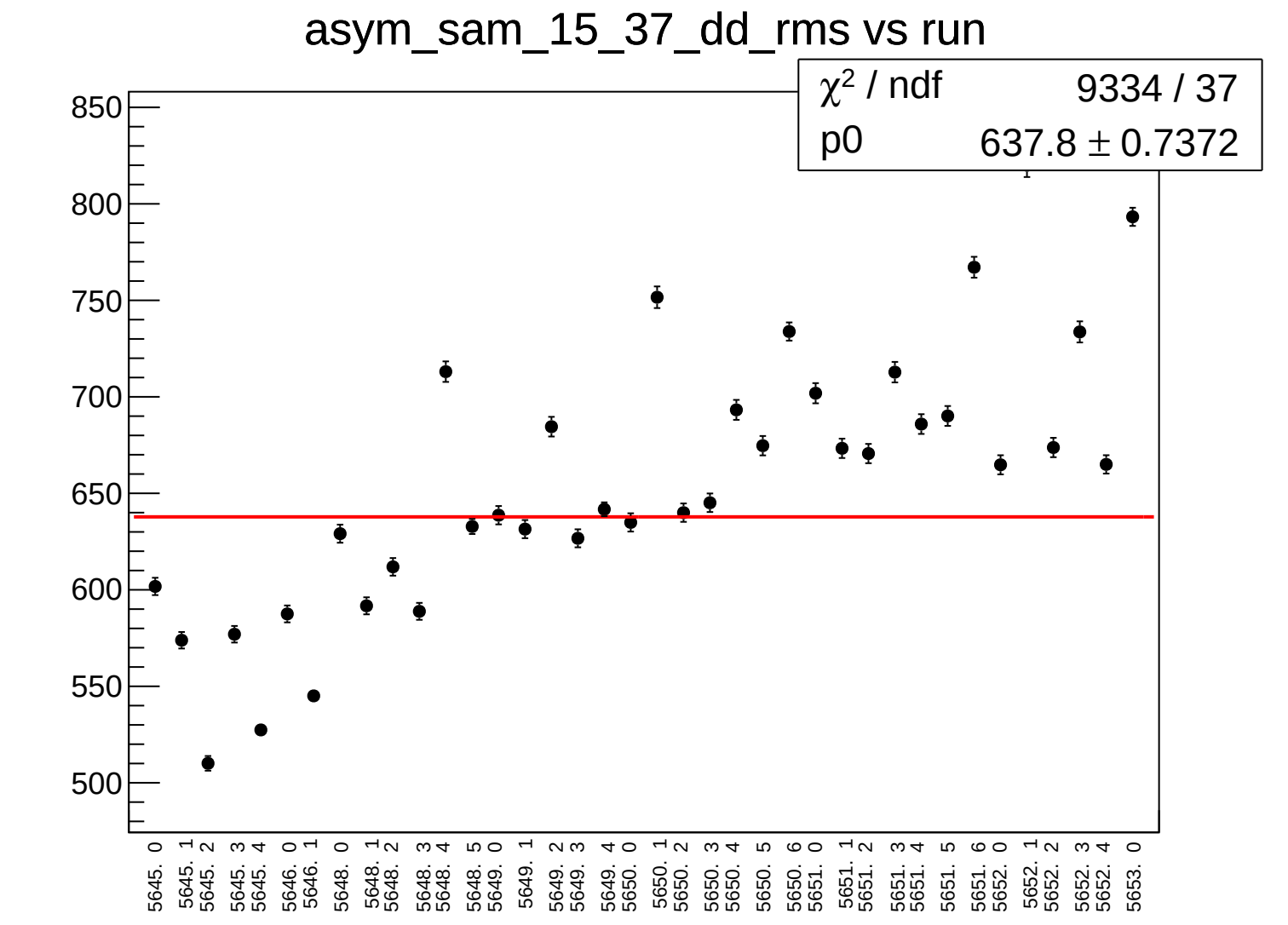

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.55e+04 / 37
p0 88.34 ± 0.1039
160
140
120
100
80
60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

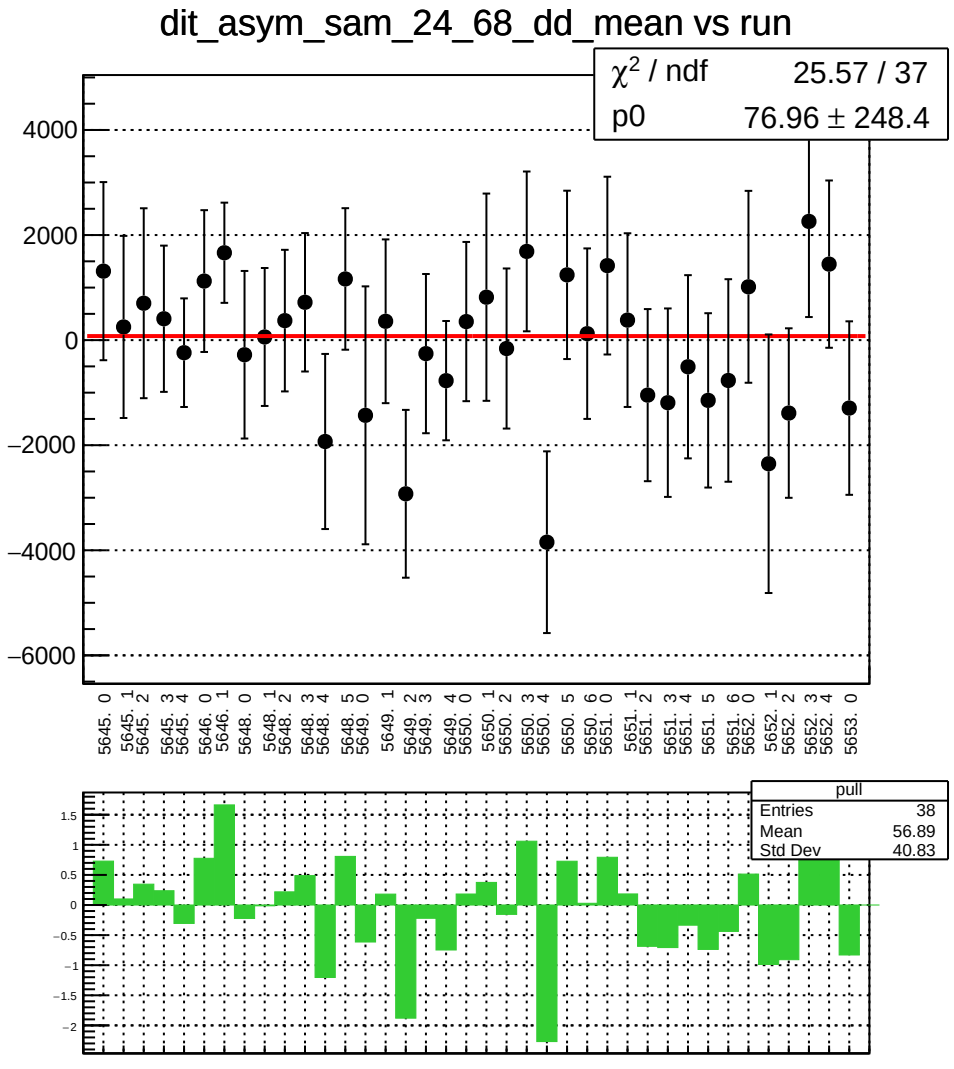

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 45.41 / 37
p0 −524.6 ± 1002
20000
10000
0
−10000
−20000
−30000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 26.86
Std Dev 28.39
2
1
0
−1
−2

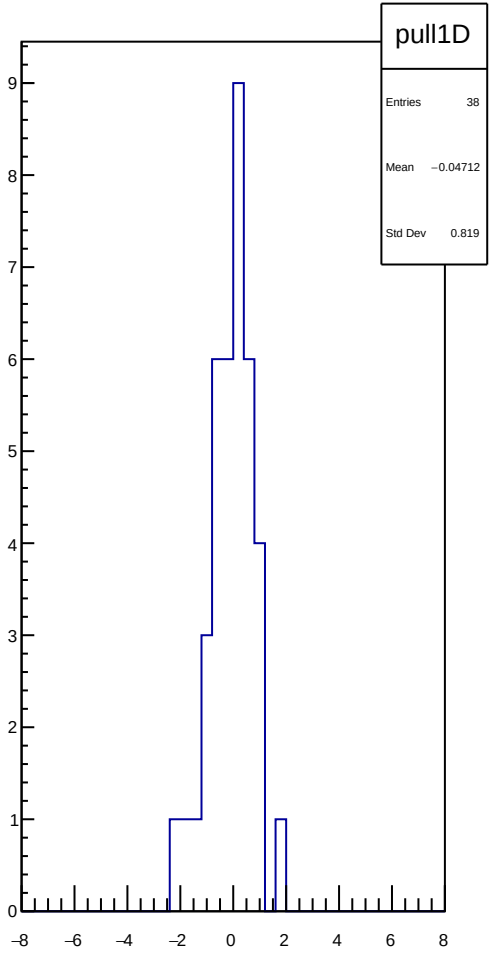

pull1D
Entries 38
Mean 0.04309
Std Dev 1.092
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

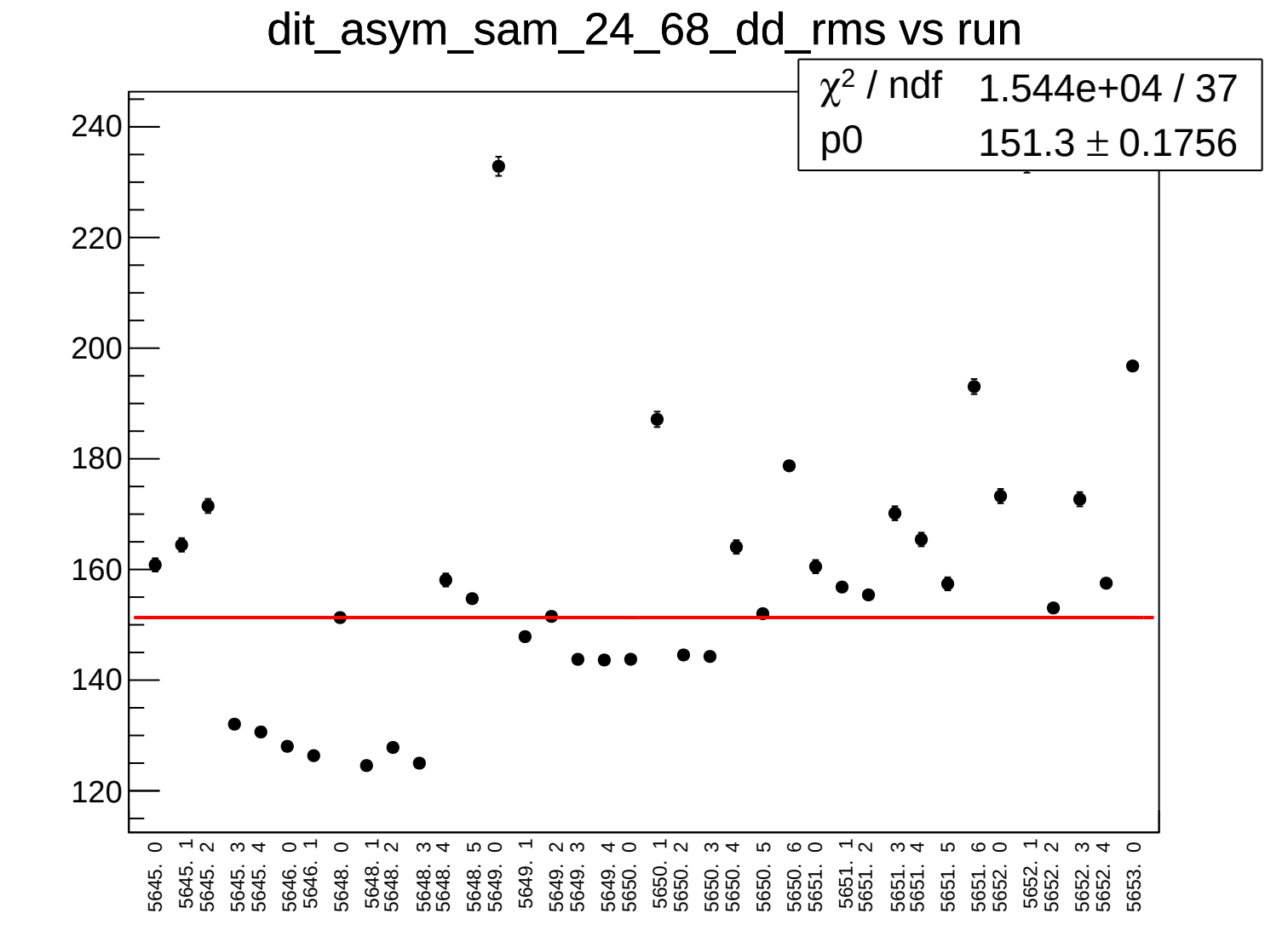

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2880 / 37
p0 615.3 ± 0.7082
720
700
680
660
640
620
600
580
560
540
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

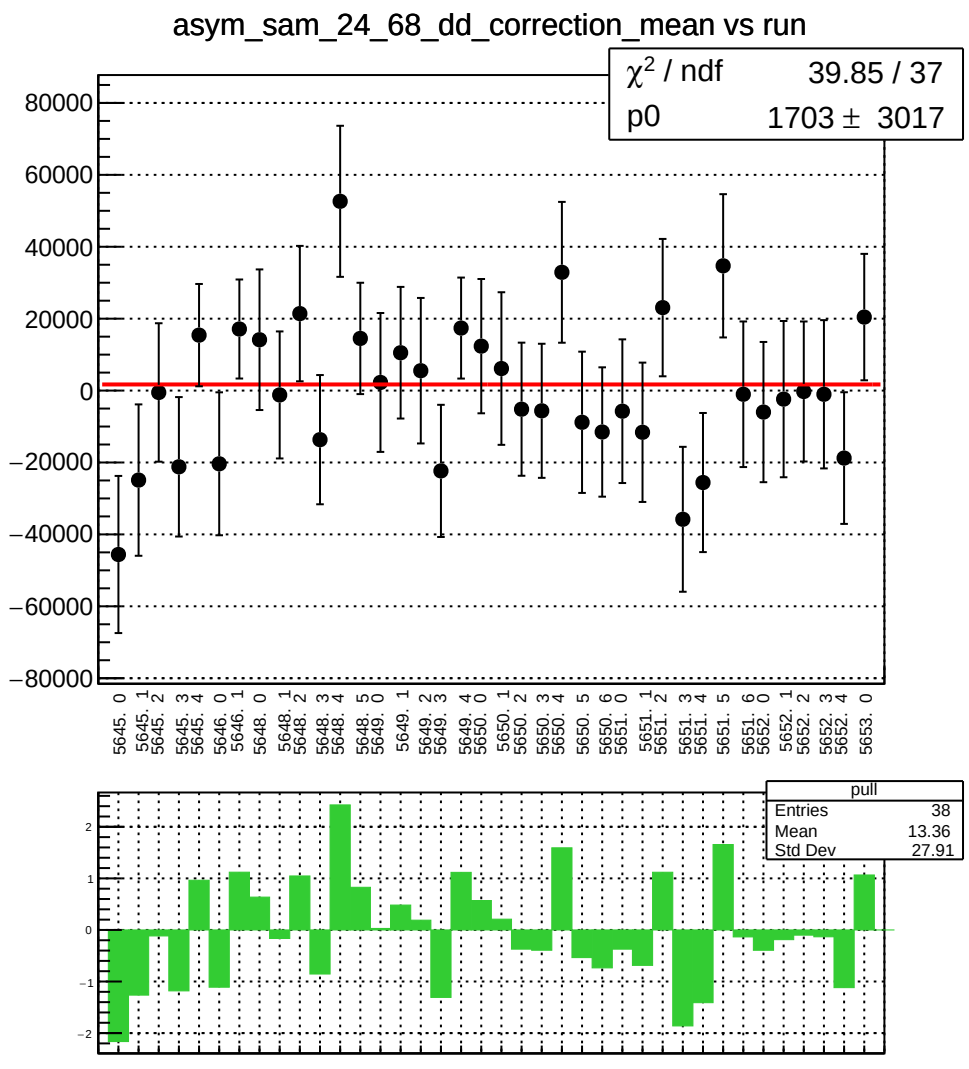

asym_sam_15_37_dd_mean vs run
χ² / ndf 47.06 / 37
p0 683.9 ± 1043
30000
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 31.2
Std Dev 27.93
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.03745
Std Dev 1.112
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

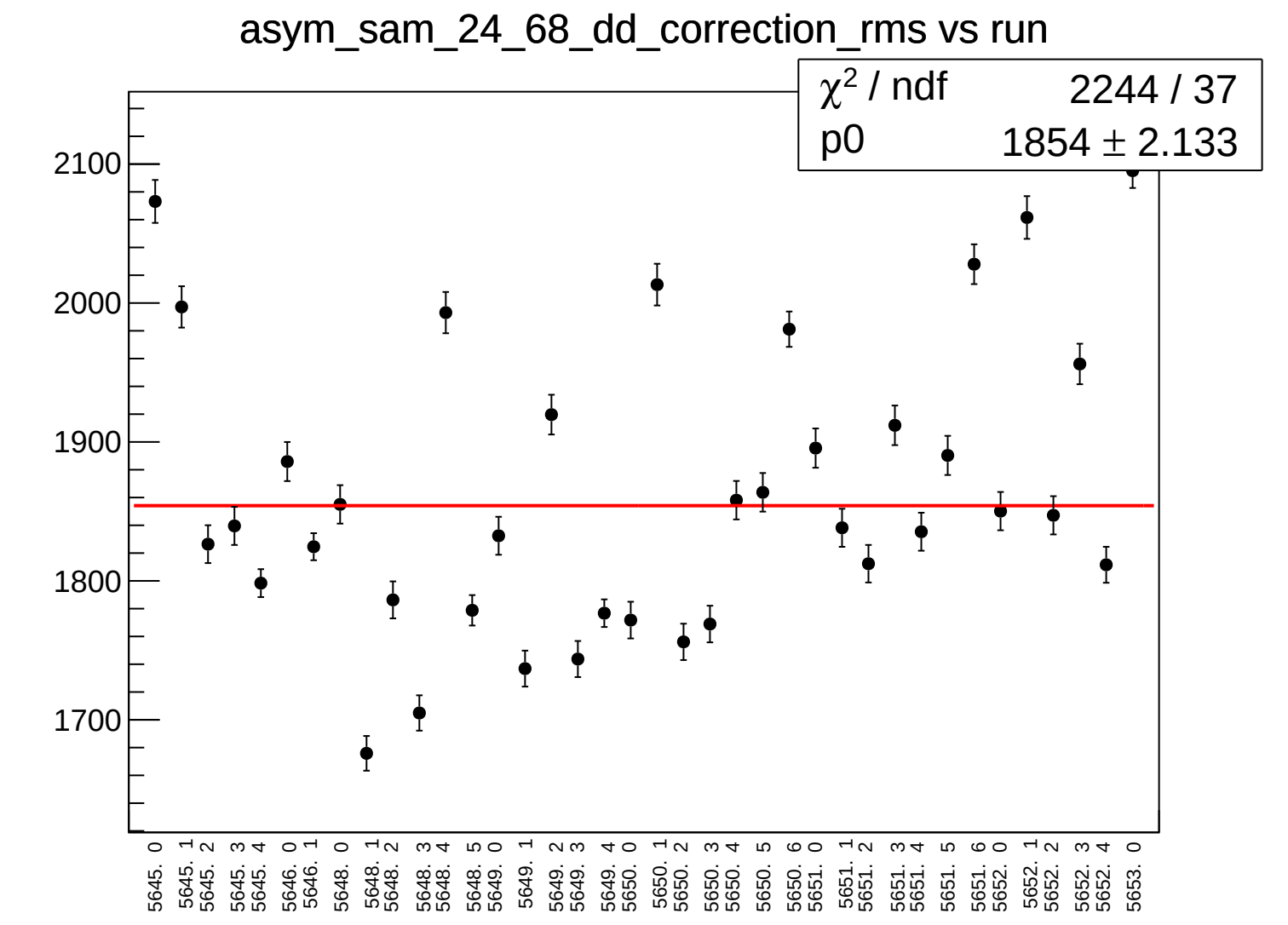

asym_sam_15_37_dd_rms vs run
χ² / ndf 9334 / 37
p0 637.8 ± 0.7372
850
800
750
700
650
600
550
500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

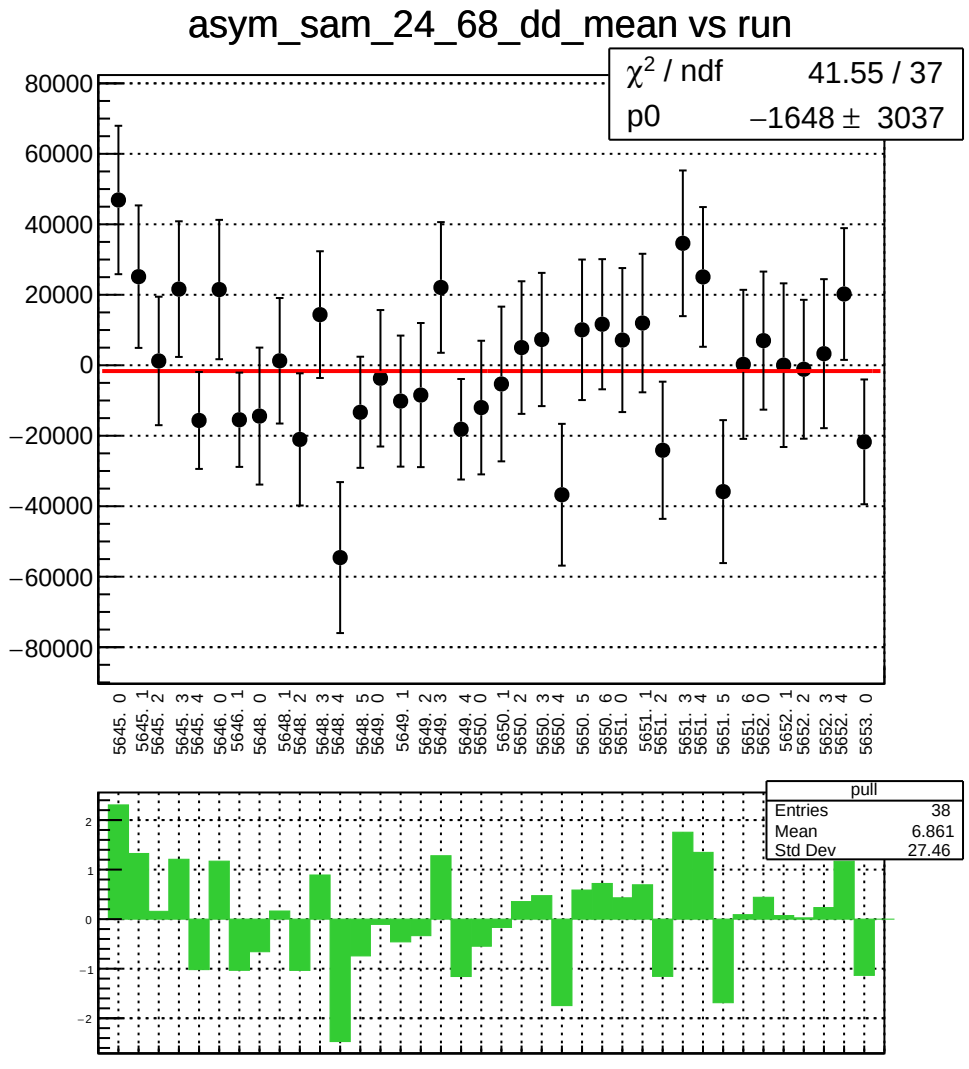

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 25.57 / 37
p0 76.96 ± 248.4
4000
2000
0
−2000
−4000
−6000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 56.89
Std Dev 40.83
1.5
1
0.5
0
−0.5
−1
−1.5
−2

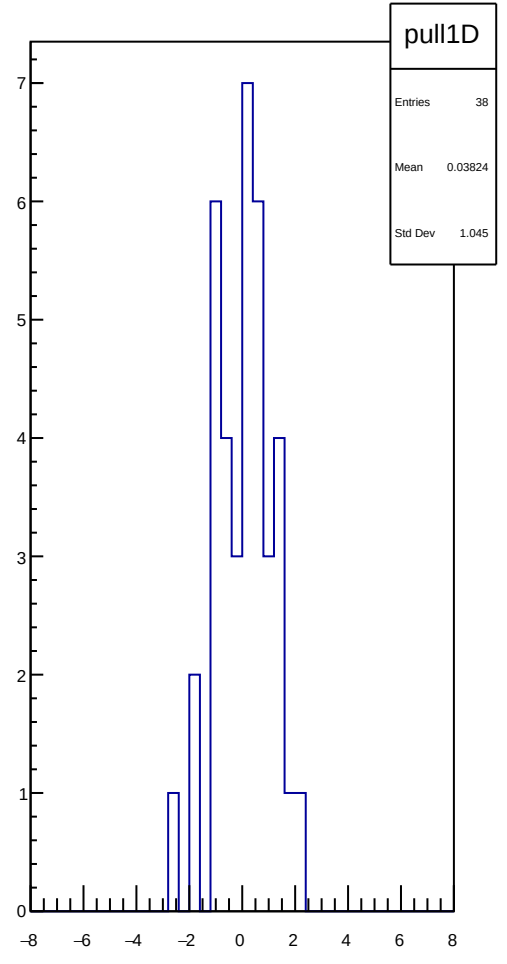

pull1D
Entries 38
Mean −0.04712
Std Dev 0.819
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

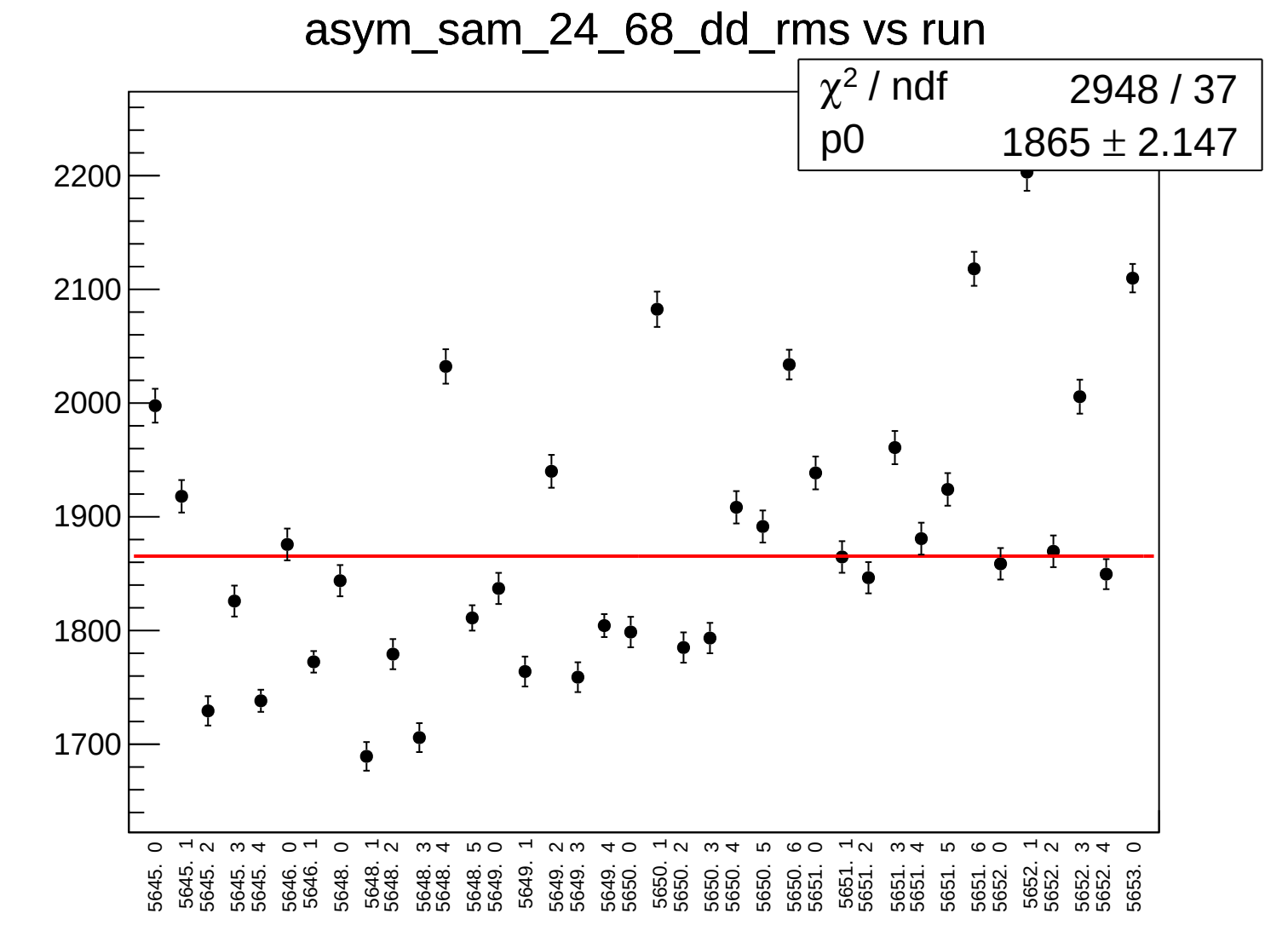

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.544e+04 / 37
p0 151.3 ± 0.1756
240
220
200
180
160
140
120
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

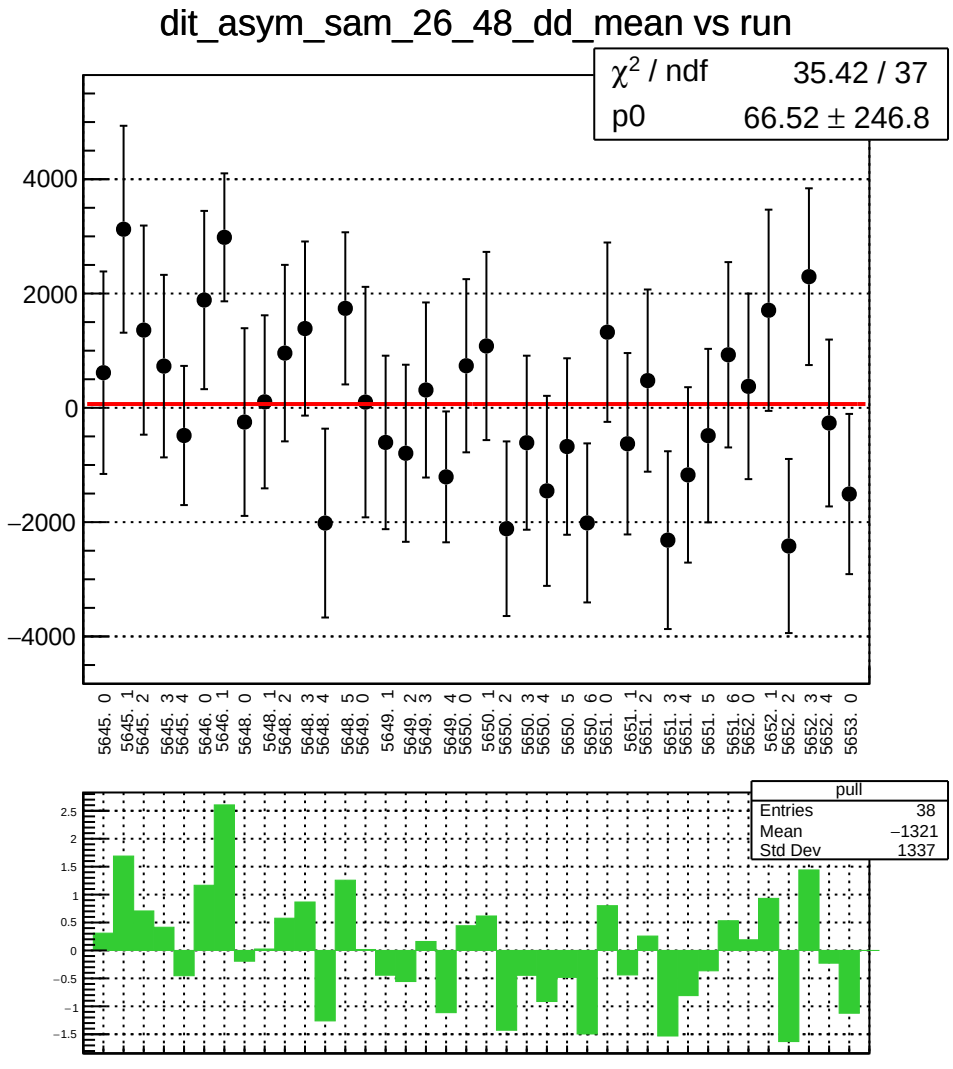

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 39.85 / 37
p0 1703 ± 3017
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 13.36
Std Dev 27.91
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.04075
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

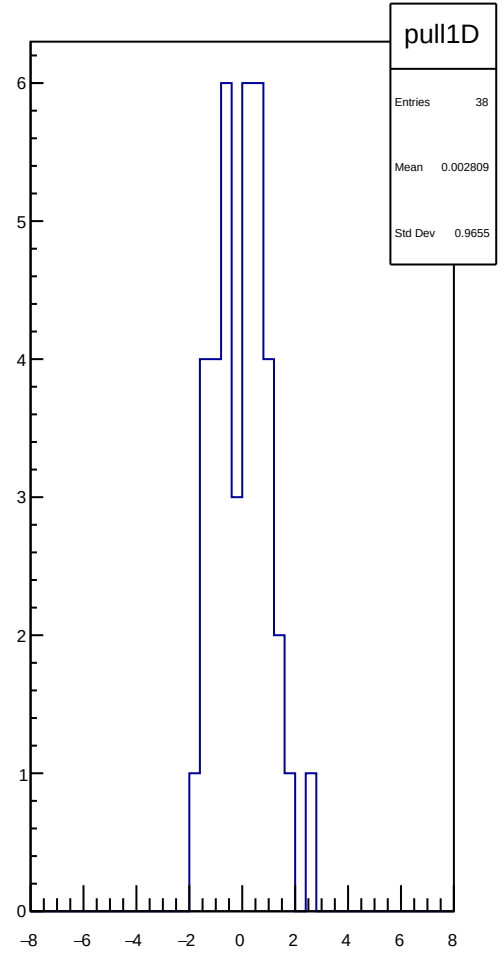

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2244 / 37
p0 1854 ± 2.133
2100
2000
1900
1800
1700
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

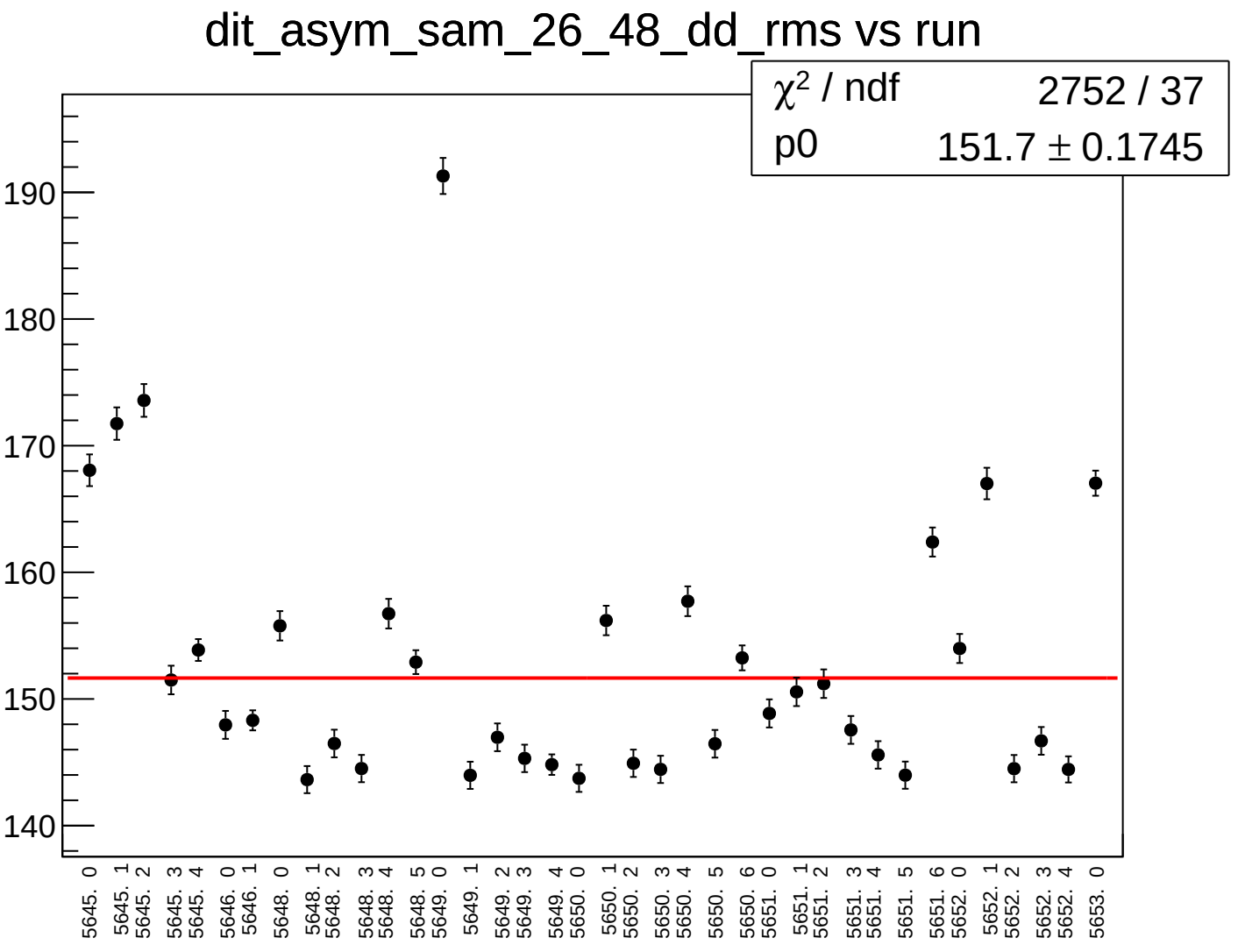

asym_sam_24_68_dd_mean vs run
χ² / ndf 41.55 / 37
p0 −1648 ± 3037
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 6.861
Std Dev 27.46
2
1
0
−1
−2

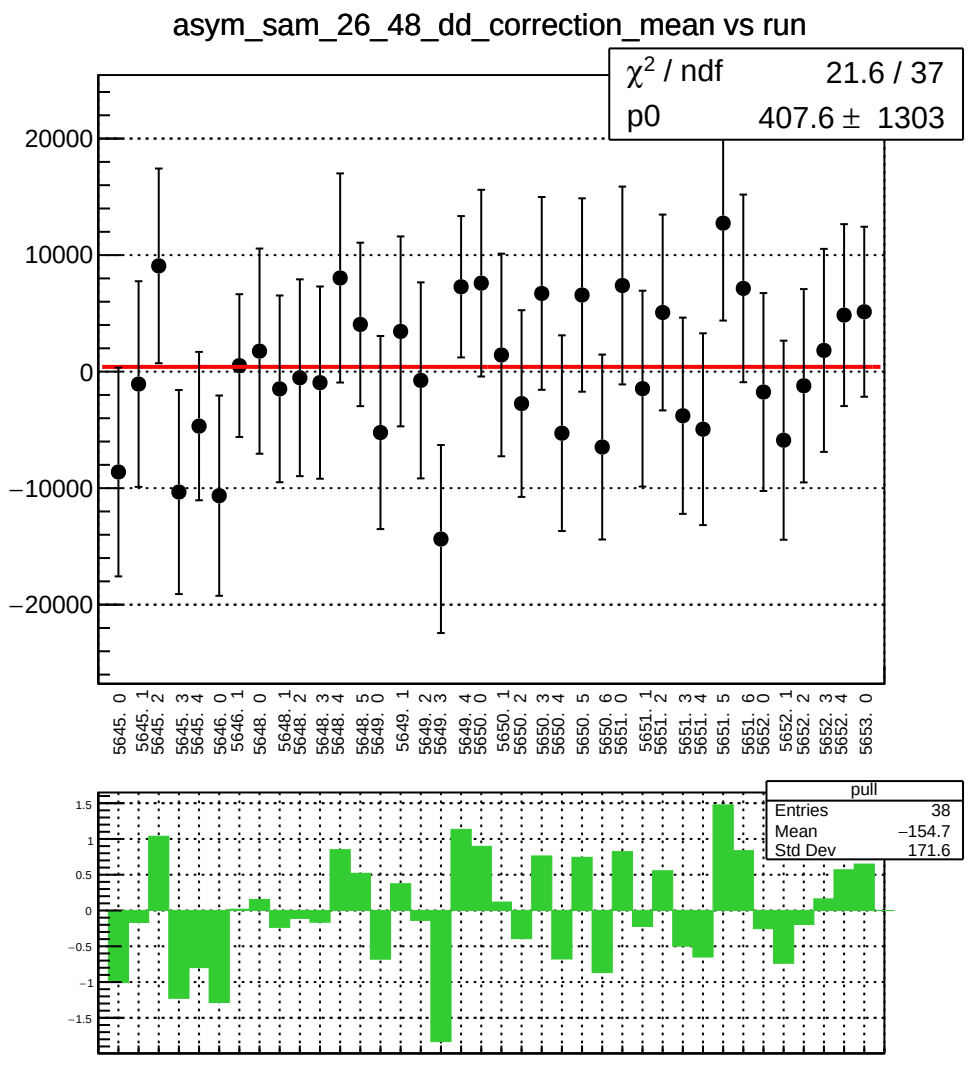

pull1D
Entries 38
Mean 0.03824
Std Dev 1.045
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

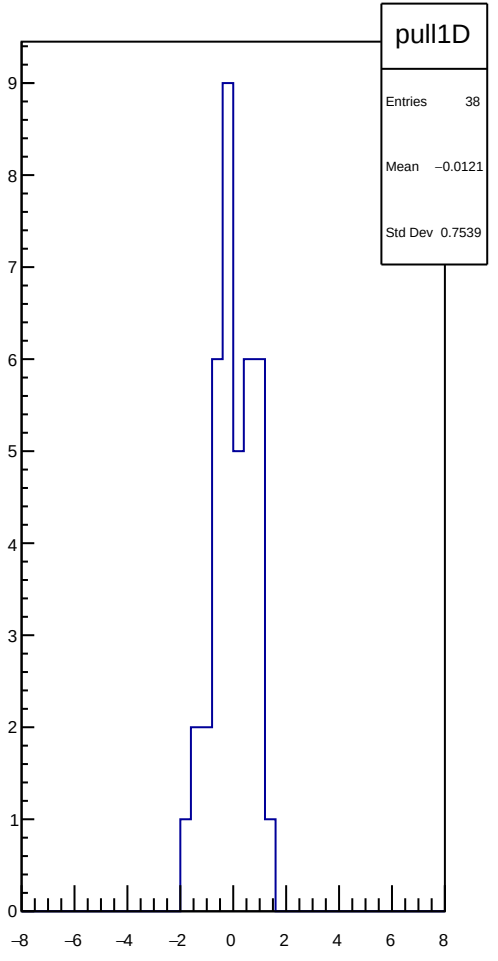

asym_sam_24_68_dd_rms vs run
χ² / ndf 2948 / 37
p0 1865 ± 2.147
2200
2100
2000
1900
1800
1700
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

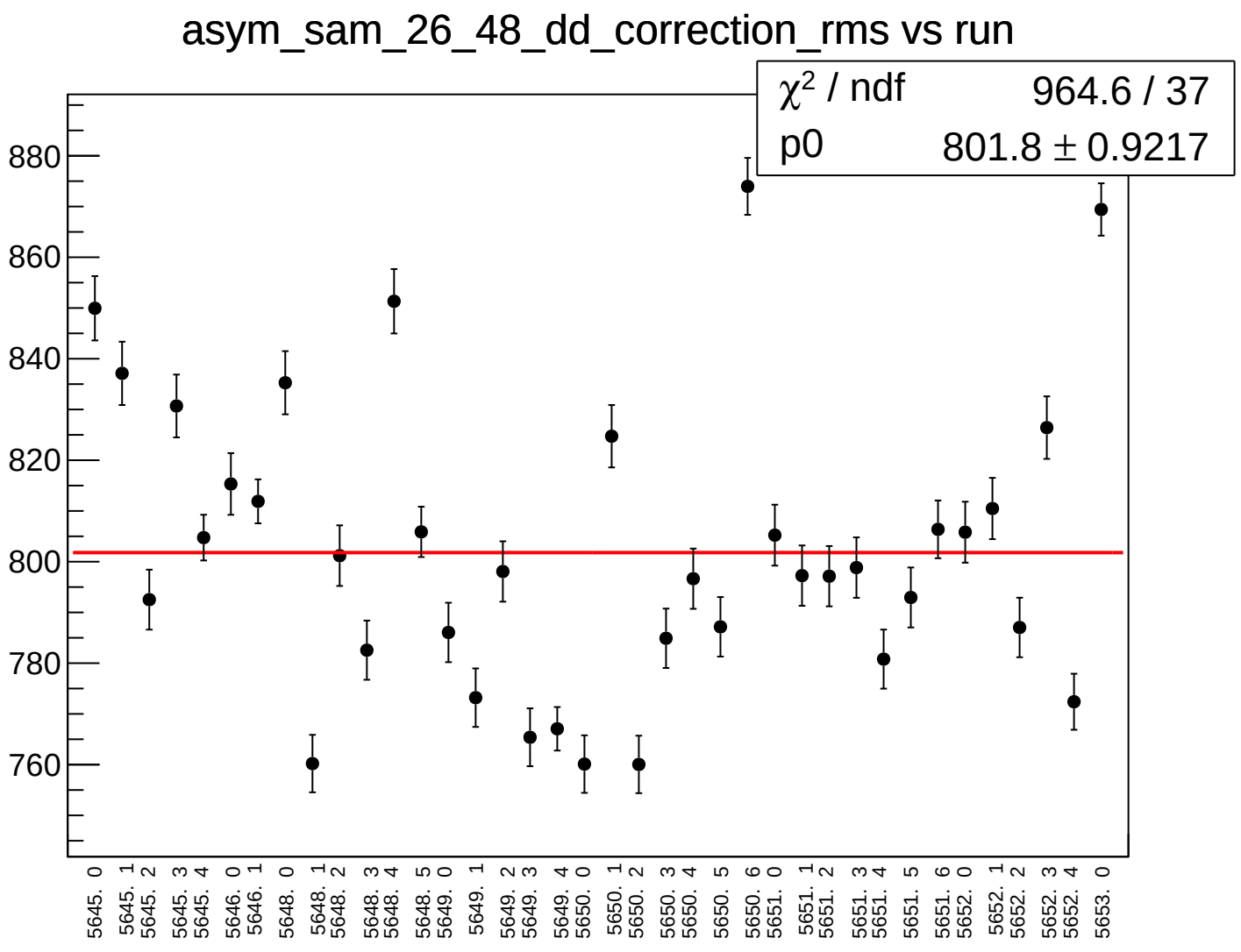

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 35.42 / 37
p0 66.52 ± 246.8
4000
2000
0
−2000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −1321
Std Dev 1337
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

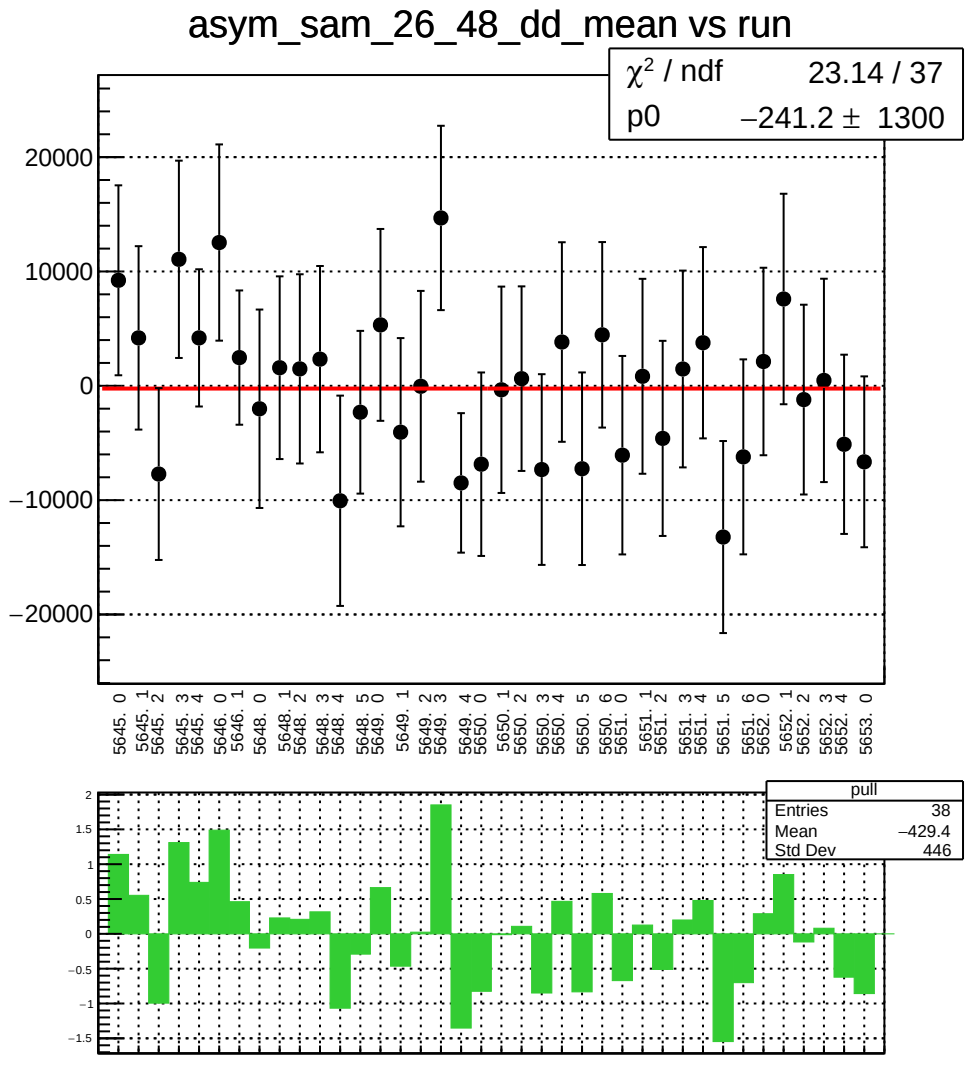

pull1D
Entries 38
Mean 0.002809
Std Dev 0.9655
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

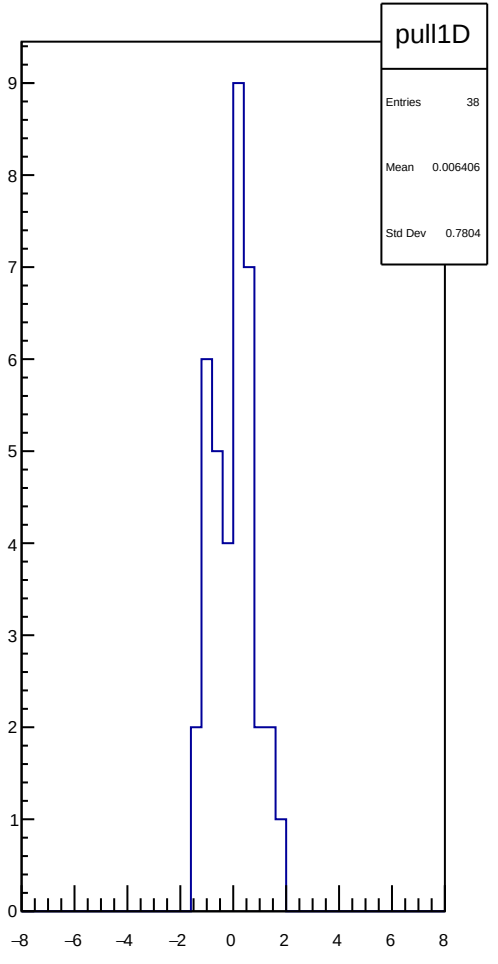

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2752 / 37
p0 151.7 ± 0.1745
190
180
170
160
150
140
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

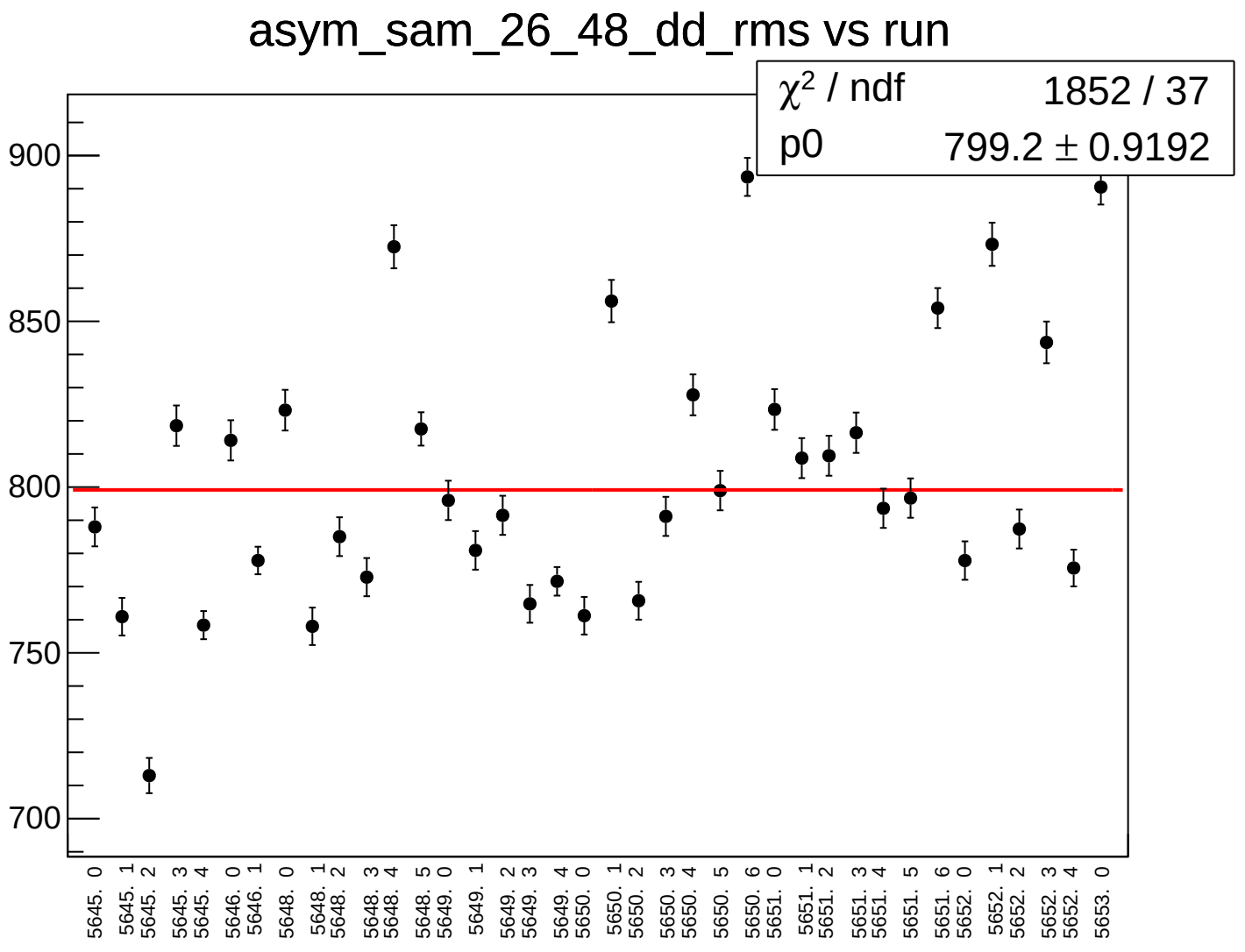

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 21.6 / 37
p0 407.6 ± 1303
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −154.7
Std Dev 171.6
1.5
1
0.5
0
−0.5
−1
−1.5

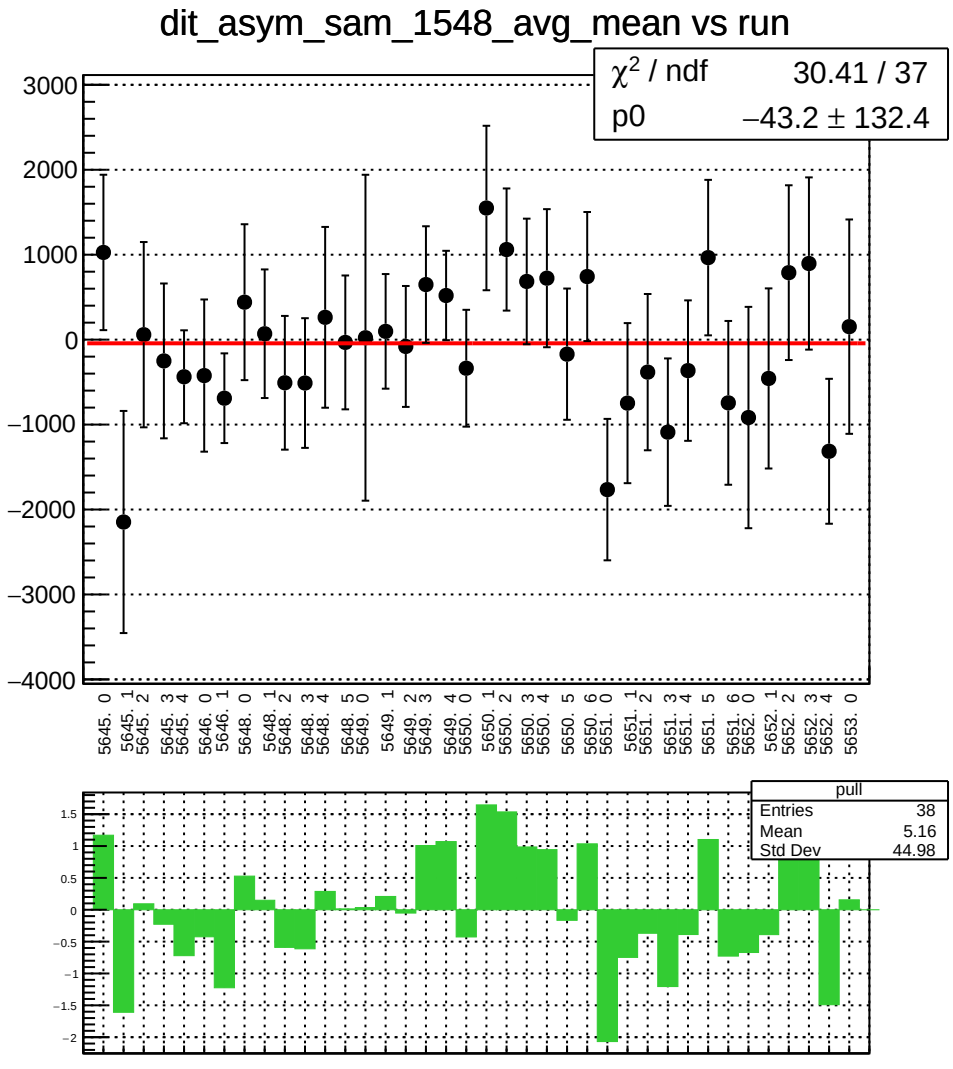

pull1D
Entries 38
Mean −0.0121
Std Dev 0.7539
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

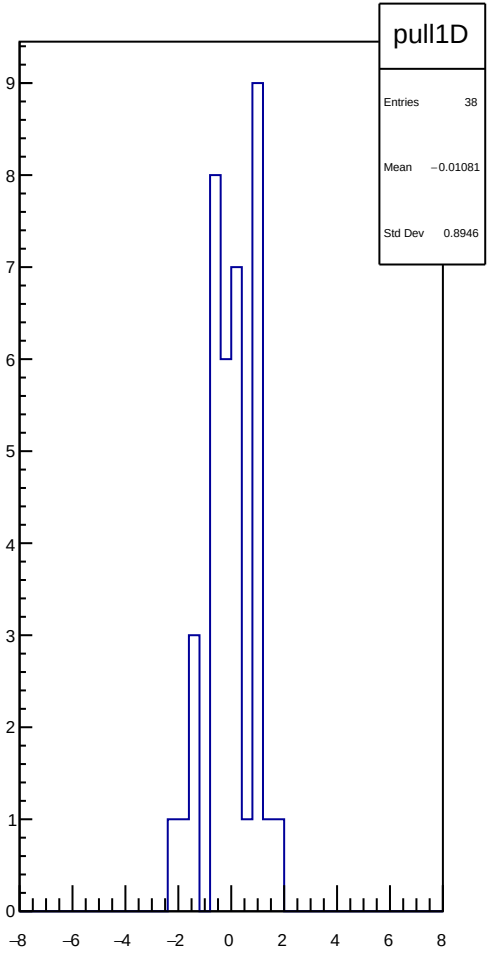

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 964.6 / 37
p0 801.8 ± 0.9217
880
860
840
820
800
780
760
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

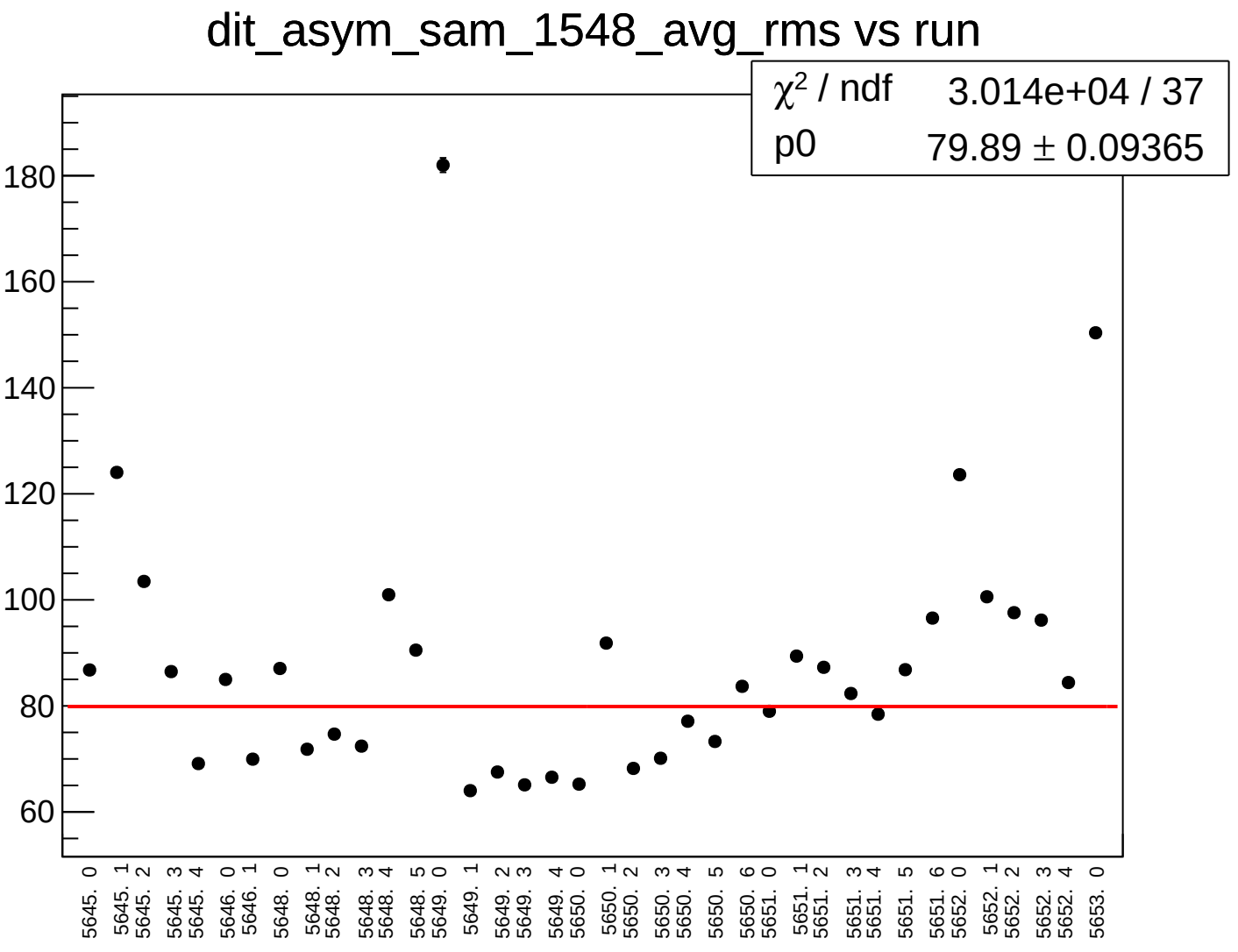

asym_sam_26_48_dd_mean vs run
χ² / ndf 23.14 / 37
p0 −241.2 ± 1300
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −429.4
Std Dev 446
2
1.5
1
0.5
0
−0.5
−1
−1.5

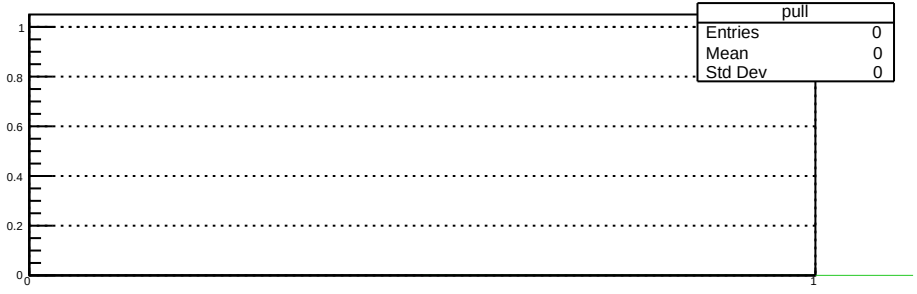

pull1D
Entries 38
Mean 0.006406
Std Dev 0.7804
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

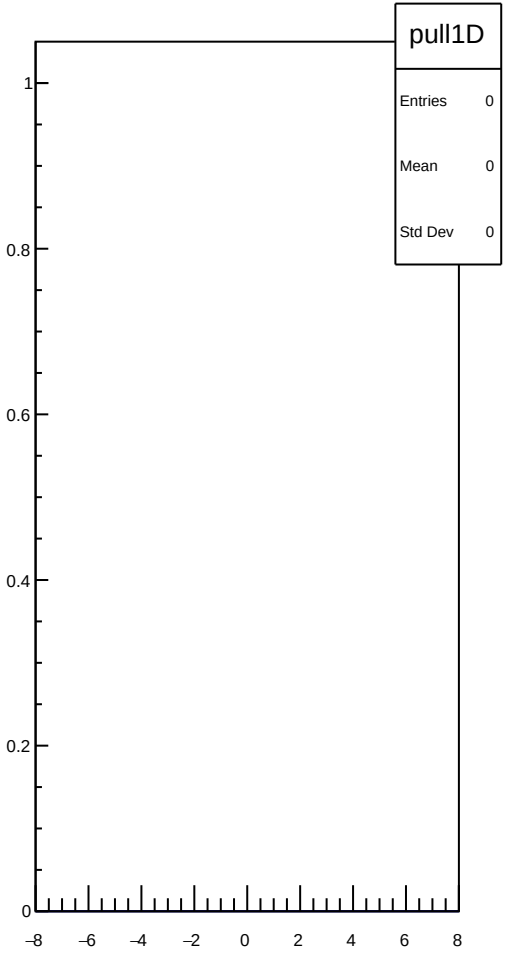

asym_sam_26_48_dd_rms vs run
χ² / ndf 1852 / 37
p0 799.2 ± 0.9192
900
850
800
750
700
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

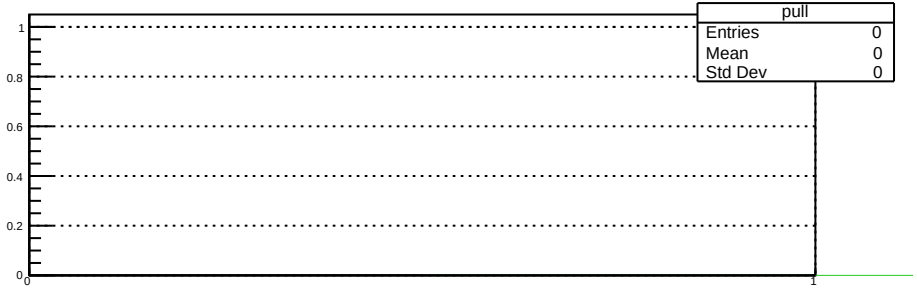

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 30.41 / 37
p0 −43.2 ± 132.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 5.16
Std Dev 44.98
1.5
1
0.5
0
−0.5
−1
−1.5
−2

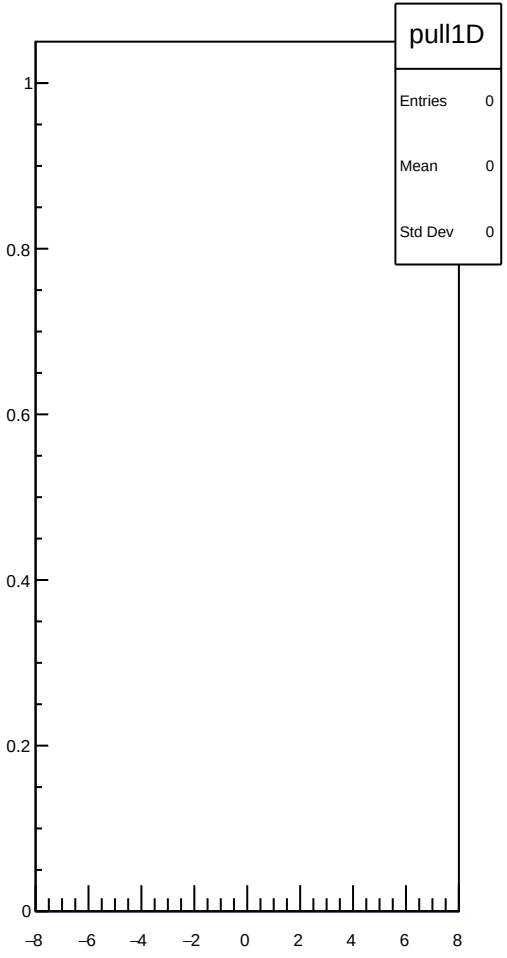

pull1D
Entries 38
Mean −0.01081
Std Dev 0.8946
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

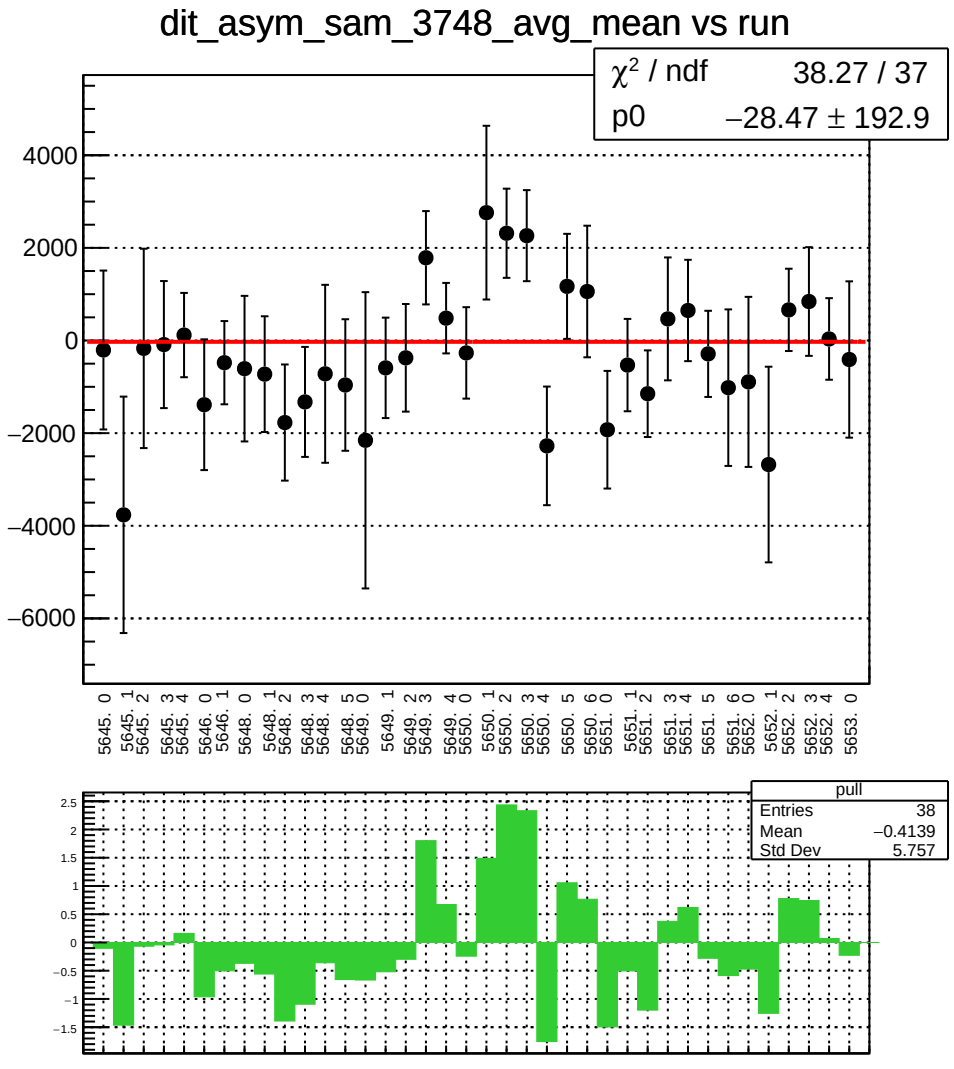

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3.014e+04 / 37
p0 79.89 ± 0.09365
180
160
140
120
100
80
60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

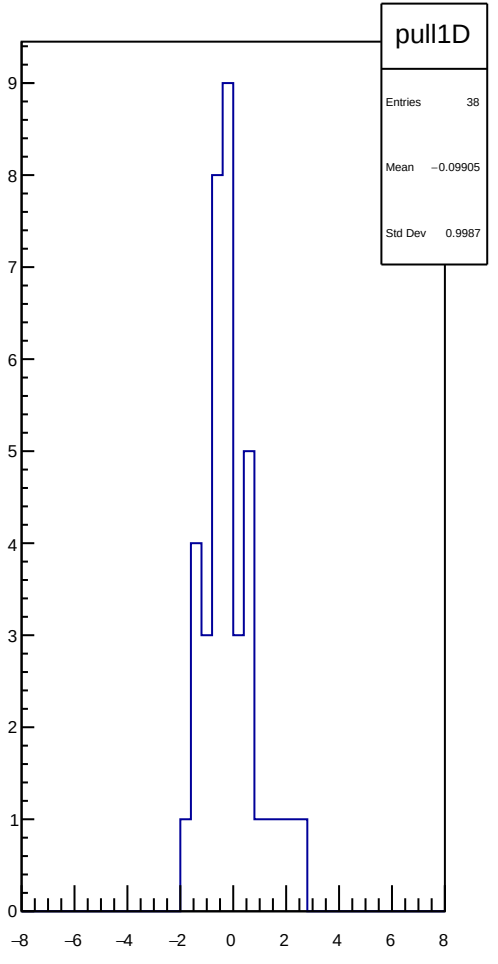

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

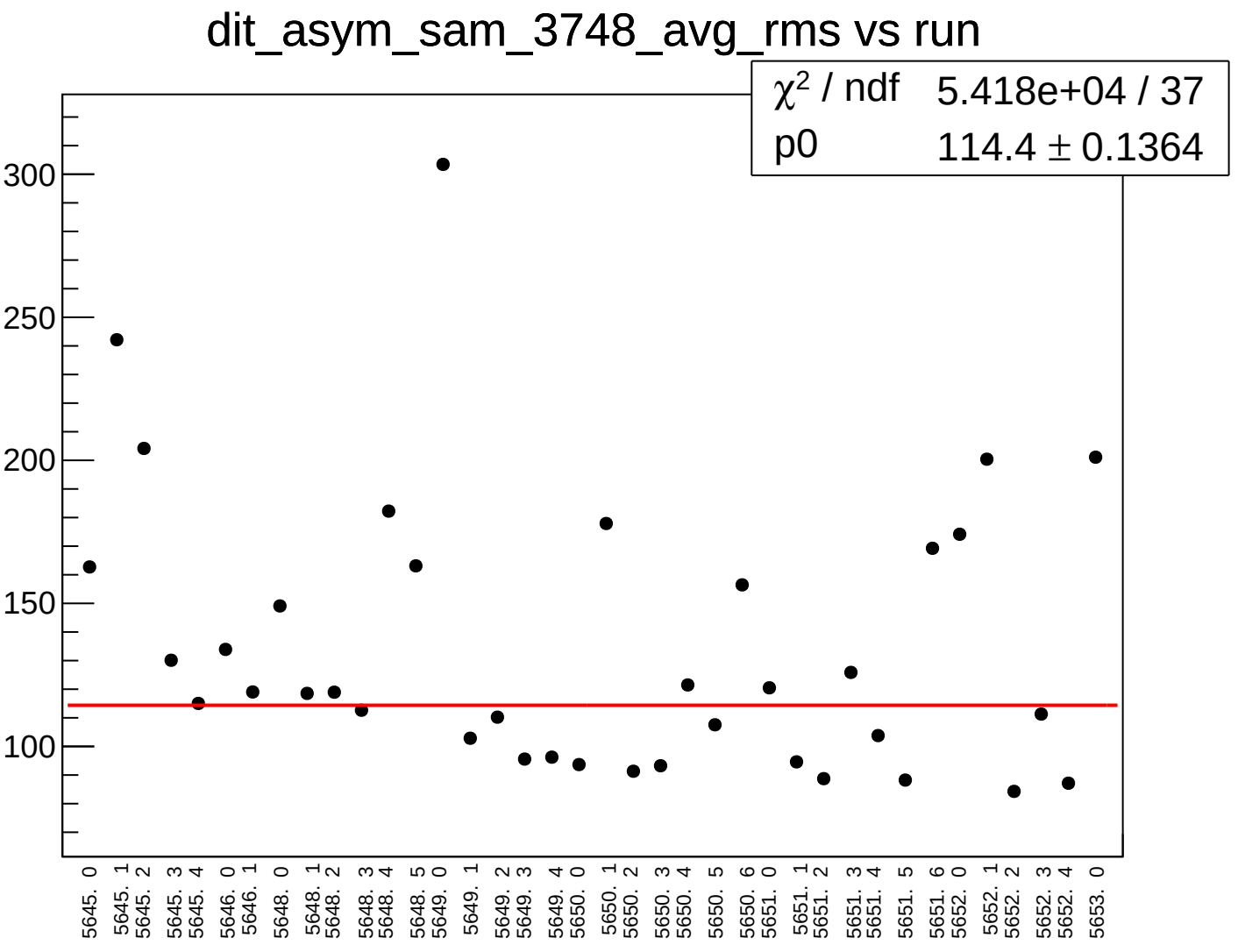

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

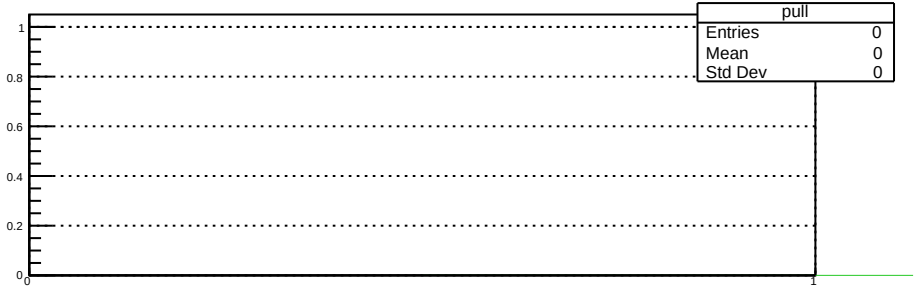

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

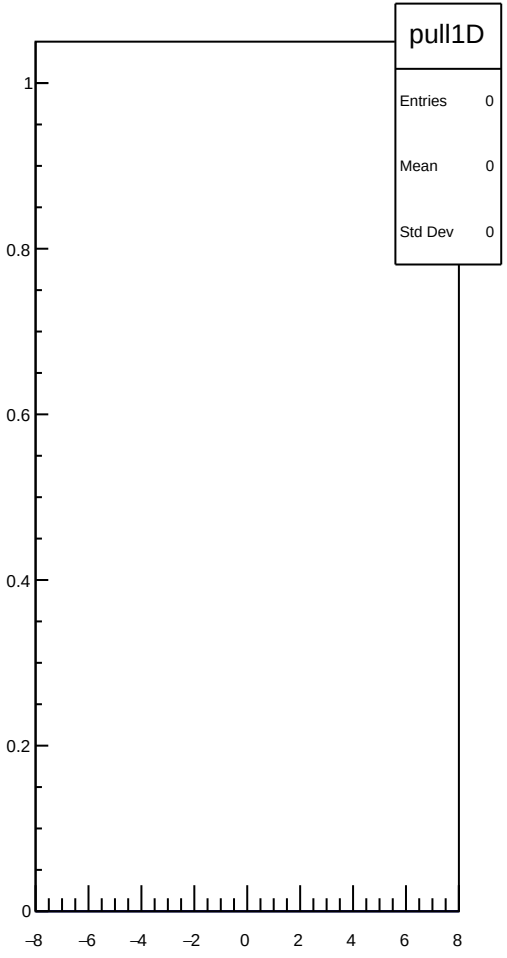

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

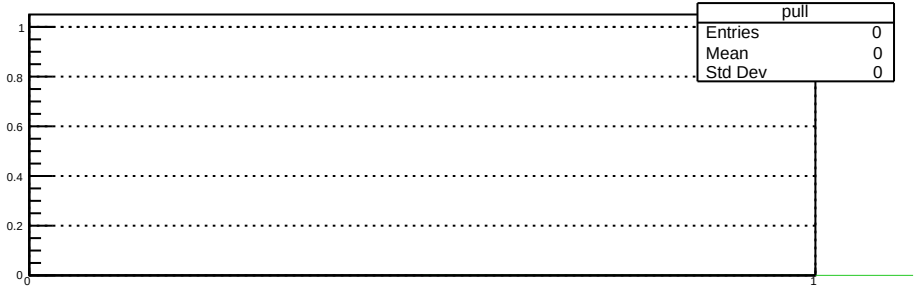

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 38.27 / 37
p0 −28.47 ± 192.9
4000
2000
0
−2000
−4000
−6000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −0.4139
Std Dev 5.757
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

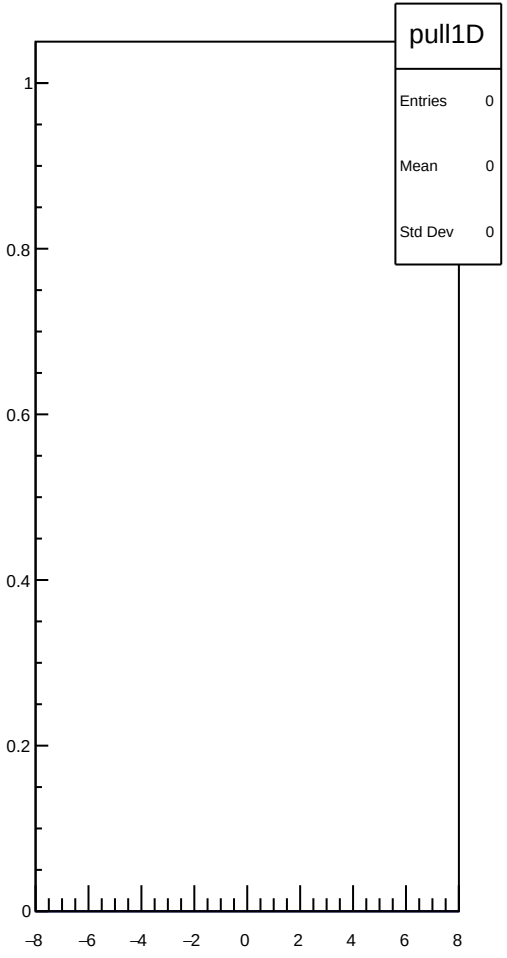

pull1D
Entries 38
Mean −0.09905
Std Dev 0.9987
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

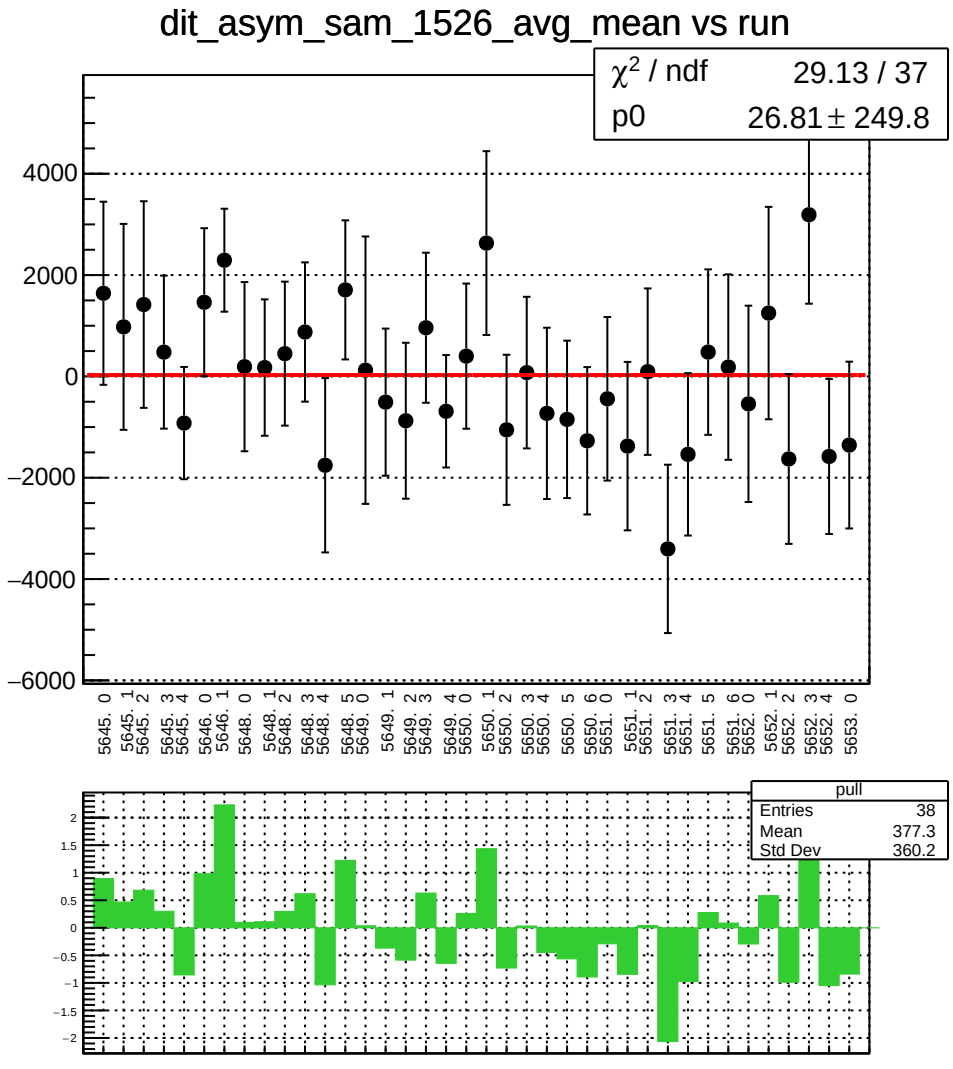

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 5.418e+04 / 37
p0 114.4 ± 0.1364
300
250
200
150
100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

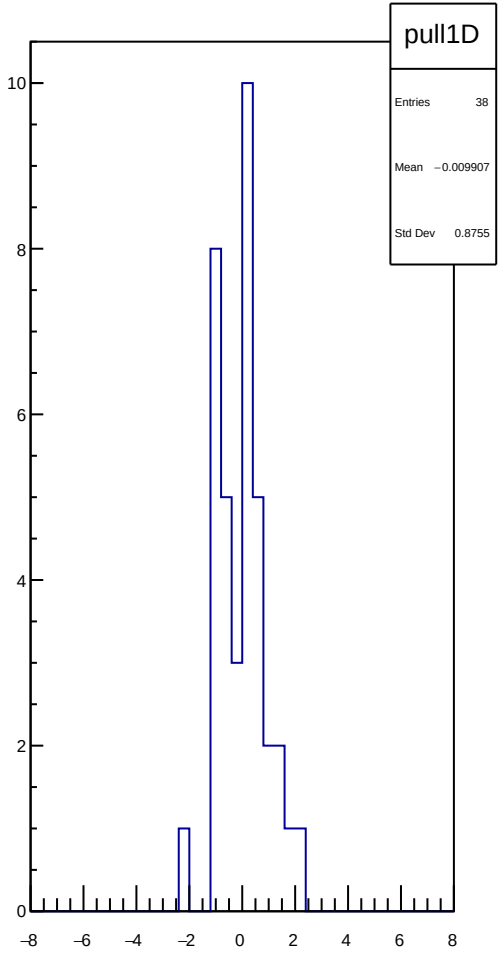

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

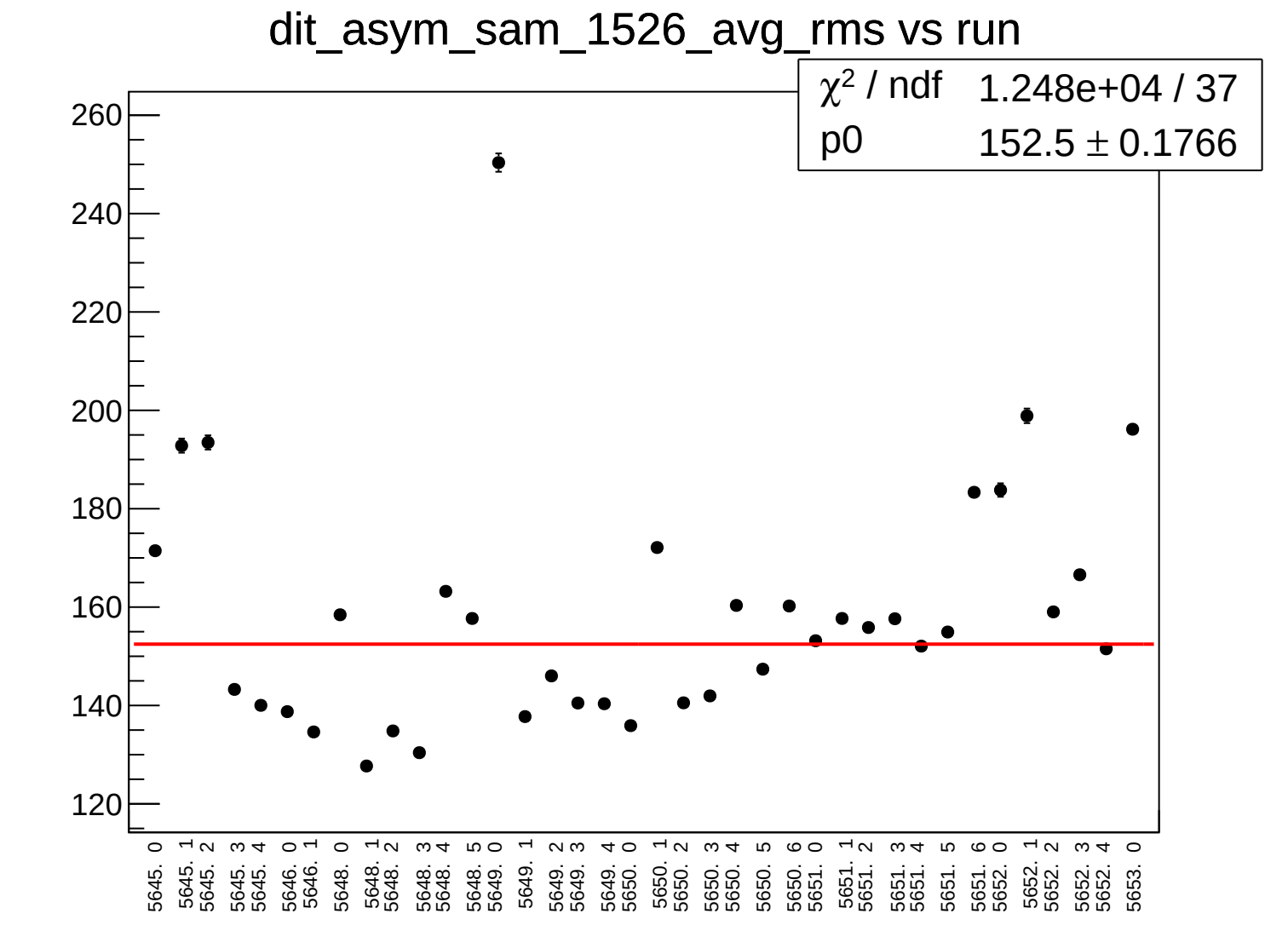

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

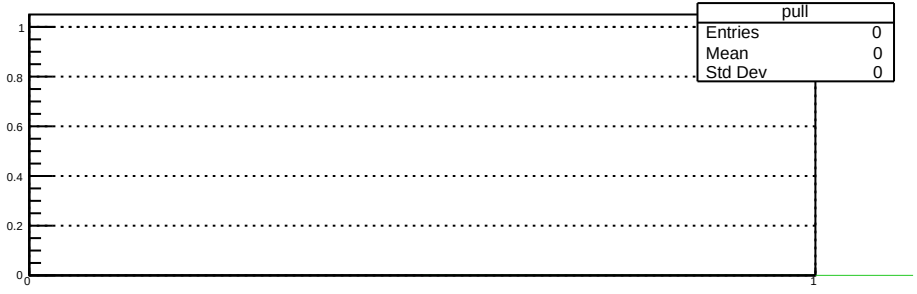

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

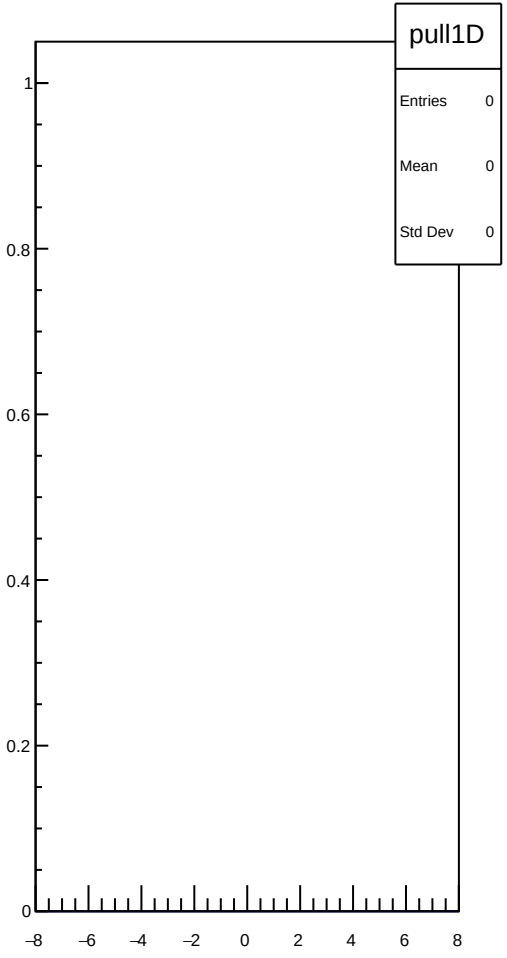

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

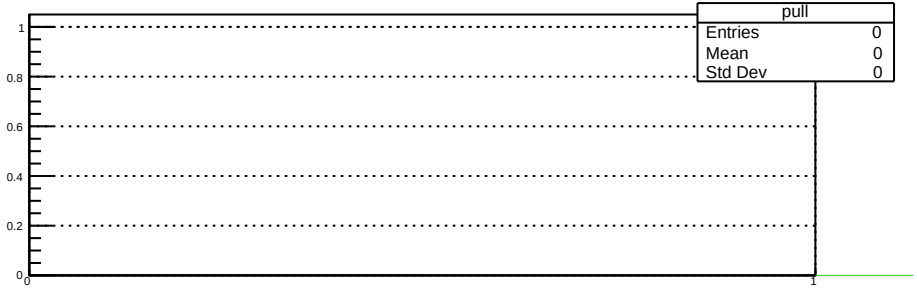

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 29.13 / 37
p0 26.81 ± 249.8
4000
2000
0
−2000
−4000
−6000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 377.3
Std Dev 360.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

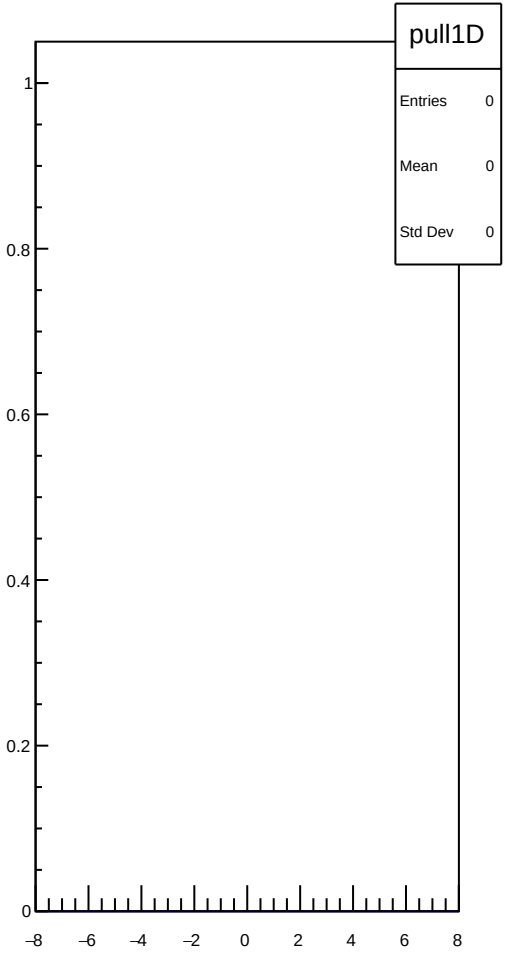

pull1D
Entries 38
Mean −0.009907
Std Dev 0.8755
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

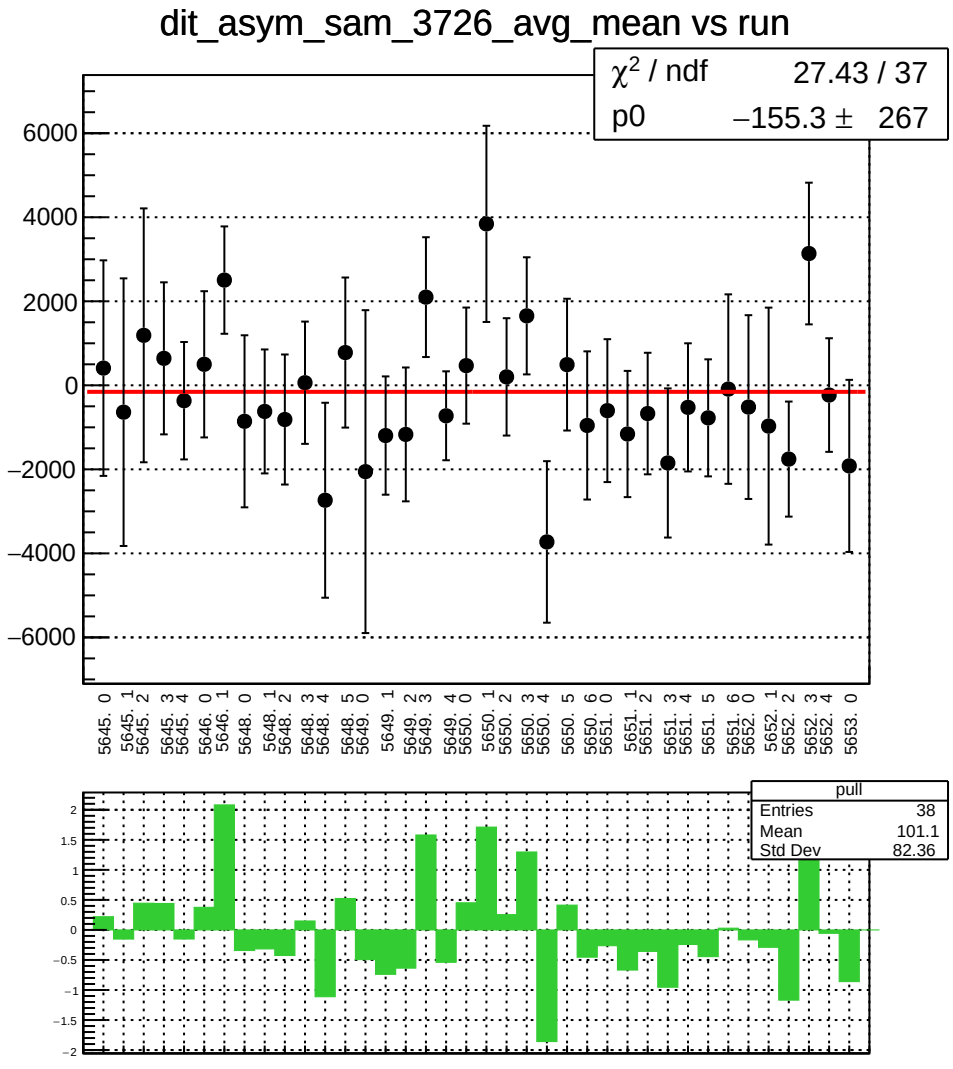

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.248e+04 / 37
p0 152.5 ± 0.1766
260
240
220
200
180
160
140
120
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

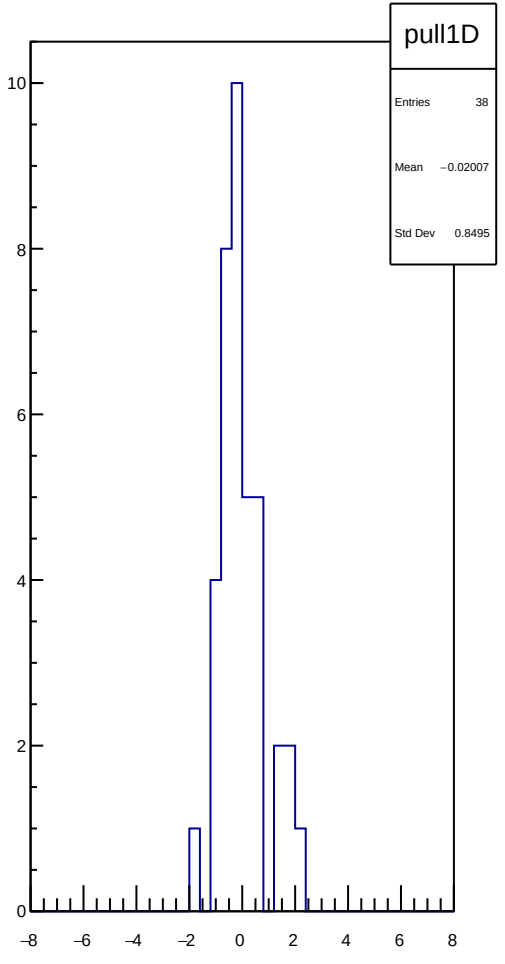

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

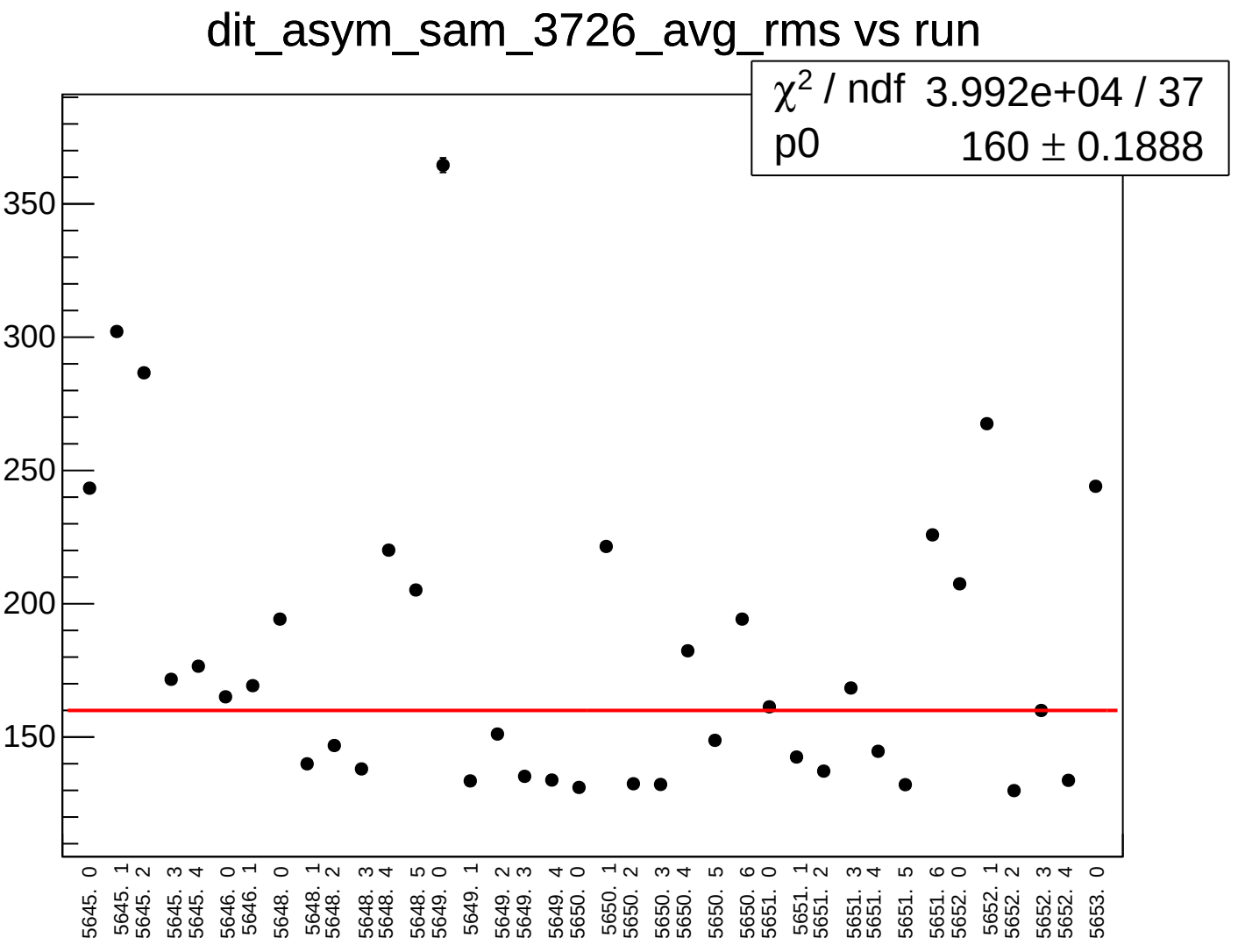

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

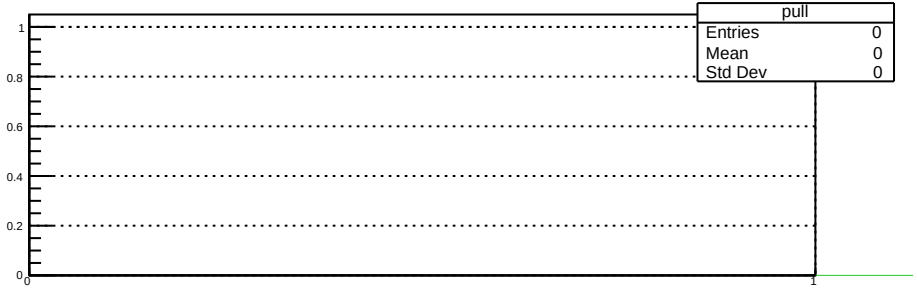

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

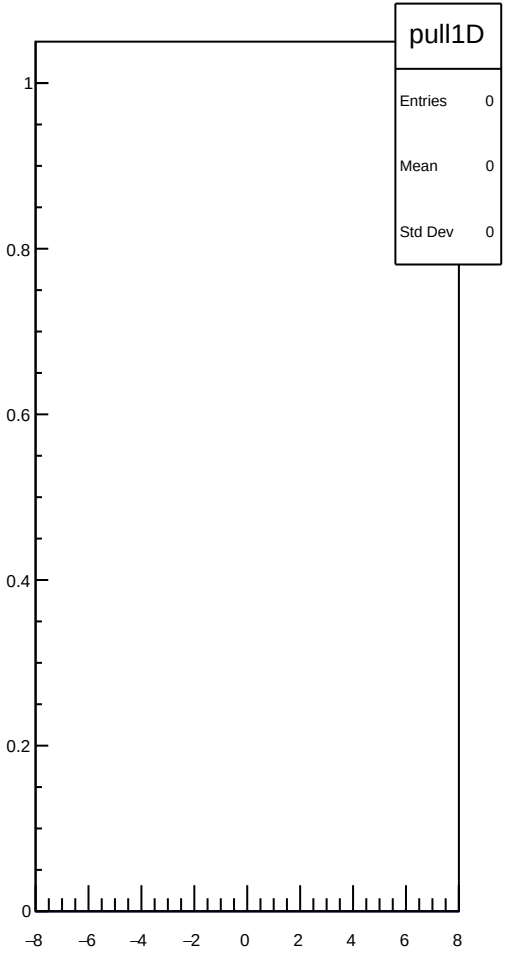

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

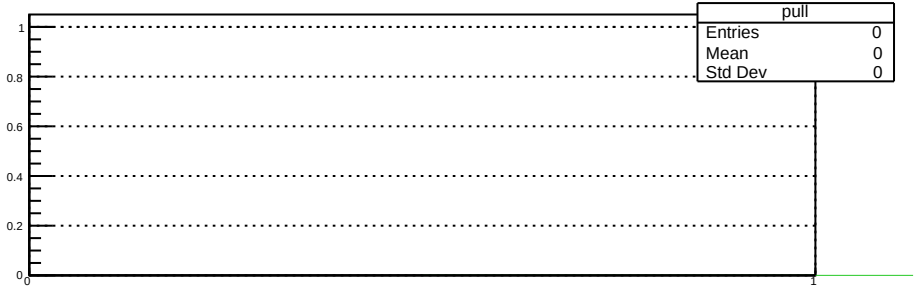

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 27.43 / 37
p0 −155.3 ± 267
6000
4000
2000
0
−2000
−4000
−6000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 101.1
Std Dev 82.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

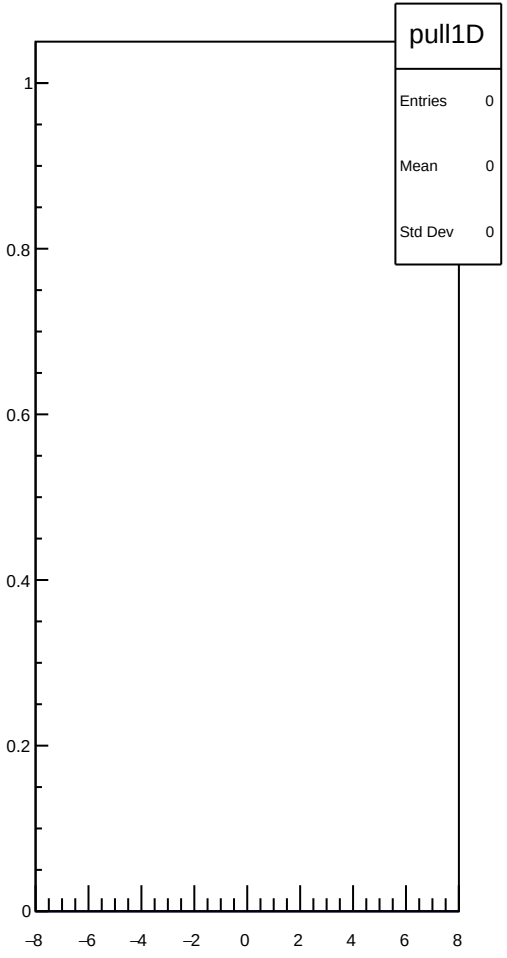

pull1D
Entries 38
Mean −0.02007
Std Dev 0.8495
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

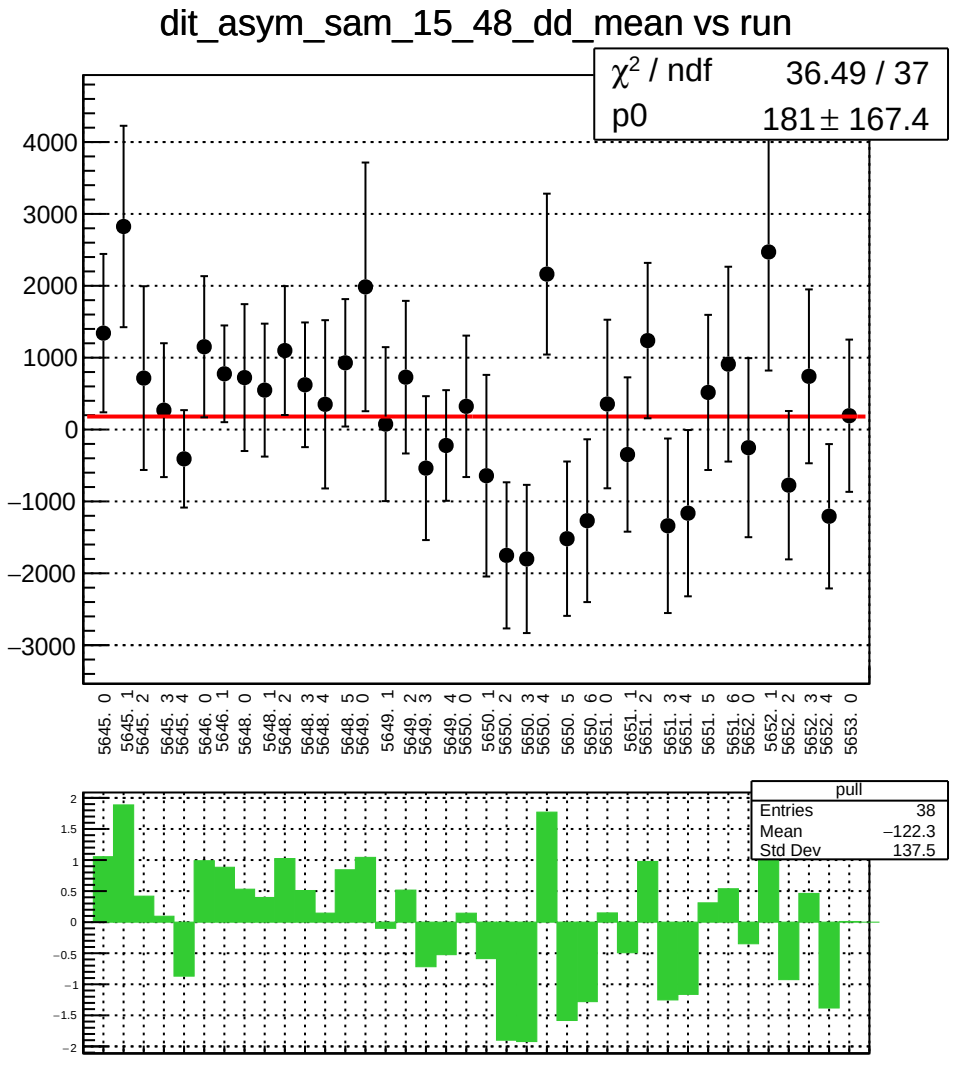

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.992e+04 / 37
p0 160 ± 0.1888
350
300
250
200
150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

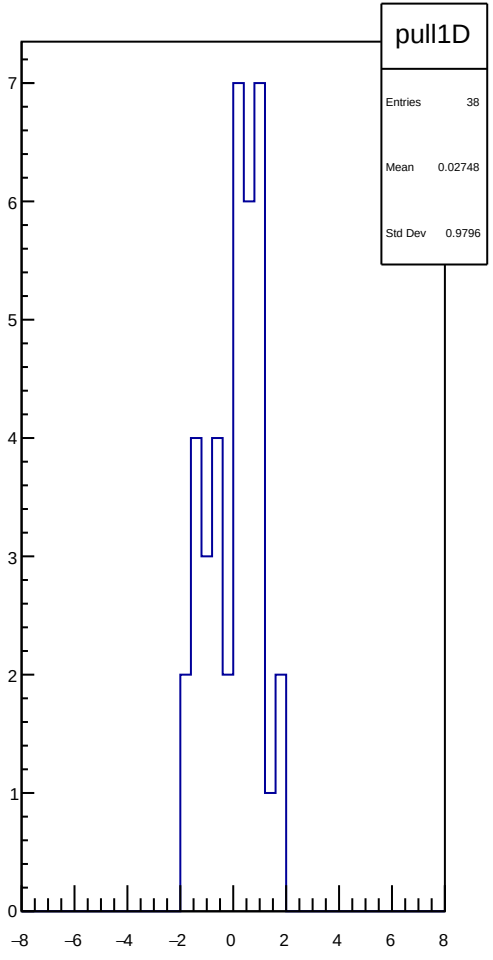

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

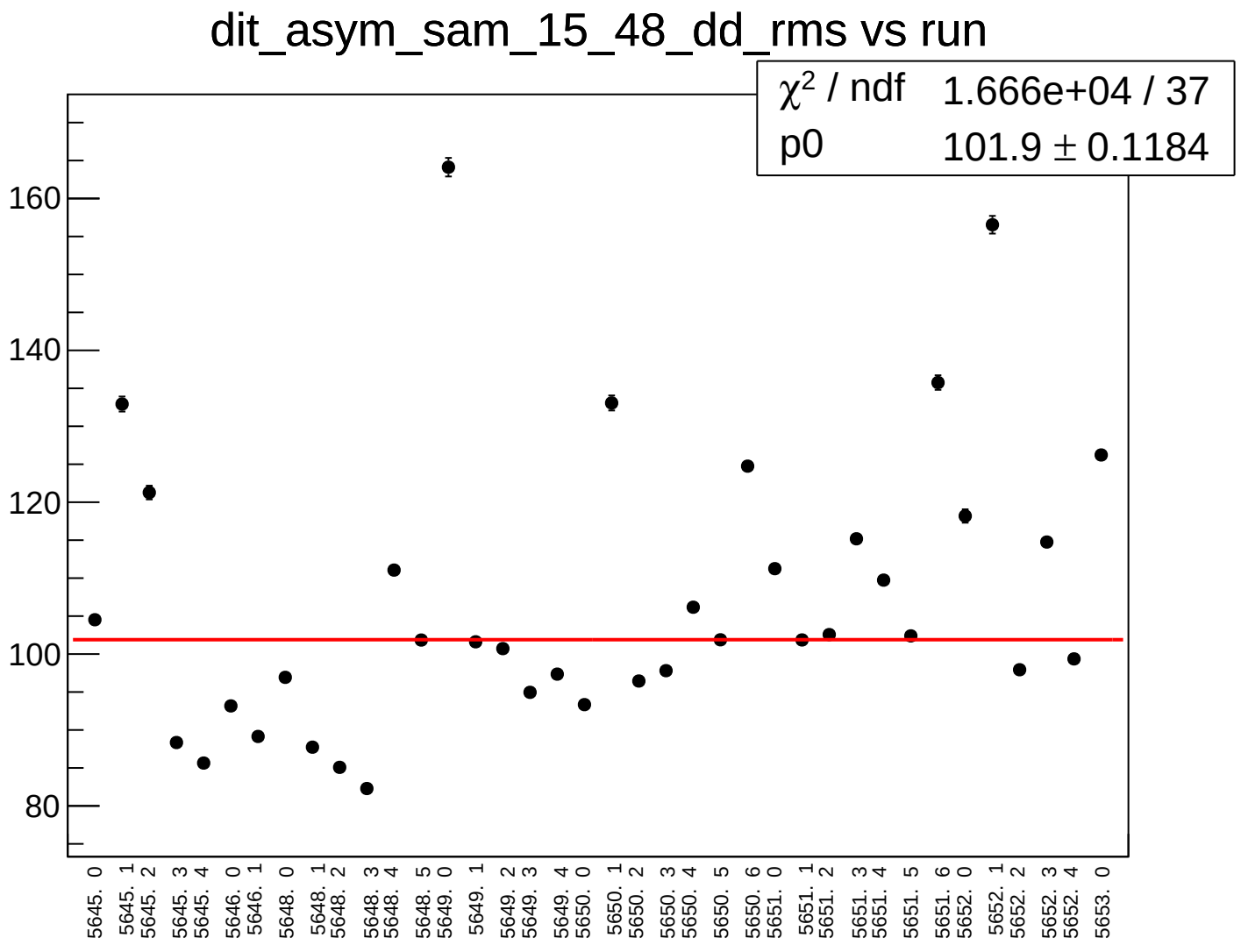

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

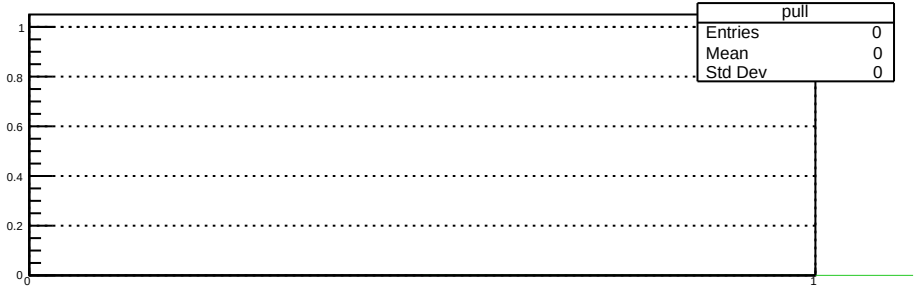

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

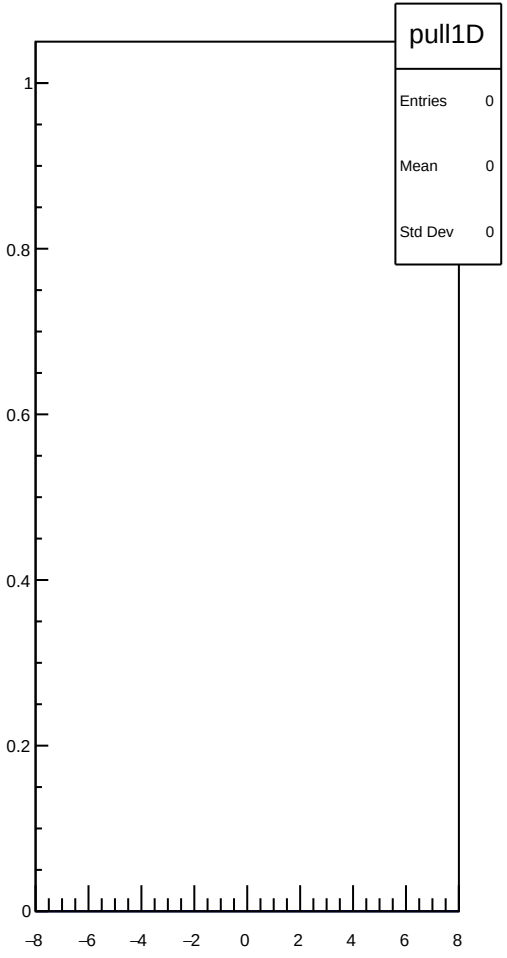

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

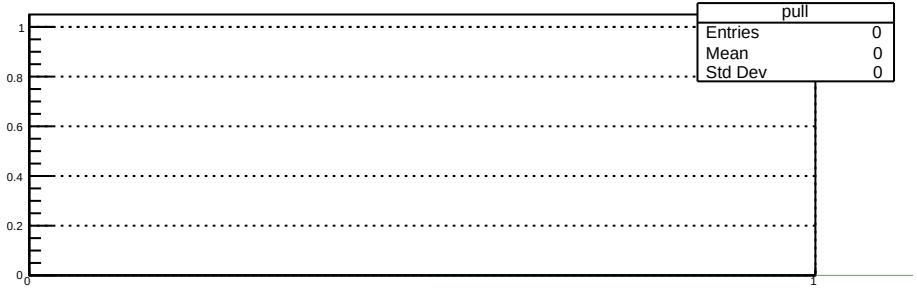

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 36.49 / 37
p0 181 ± 167.4
4000
3000
2000
1000
0
−1000
−2000
−3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −122.3
Std Dev 137.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

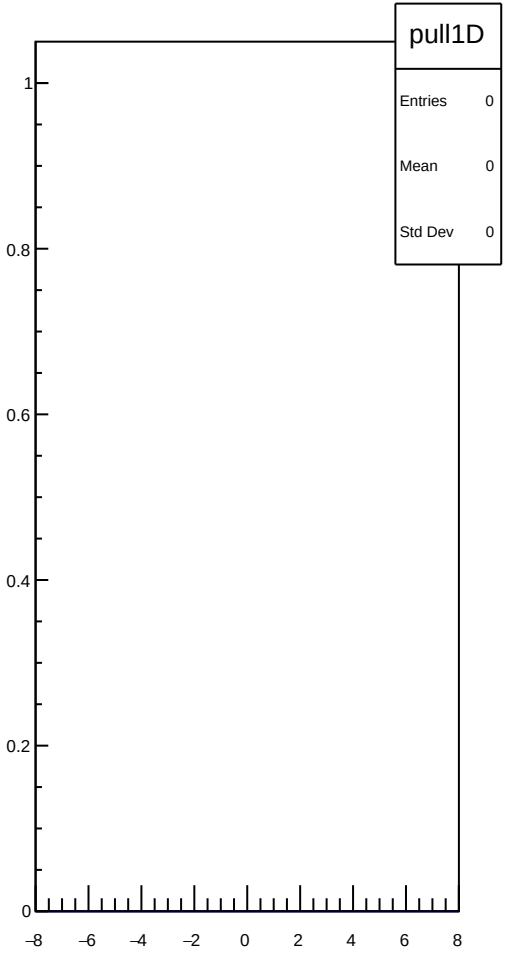

pull1D
Entries 38
Mean 0.02748
Std Dev 0.9796
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

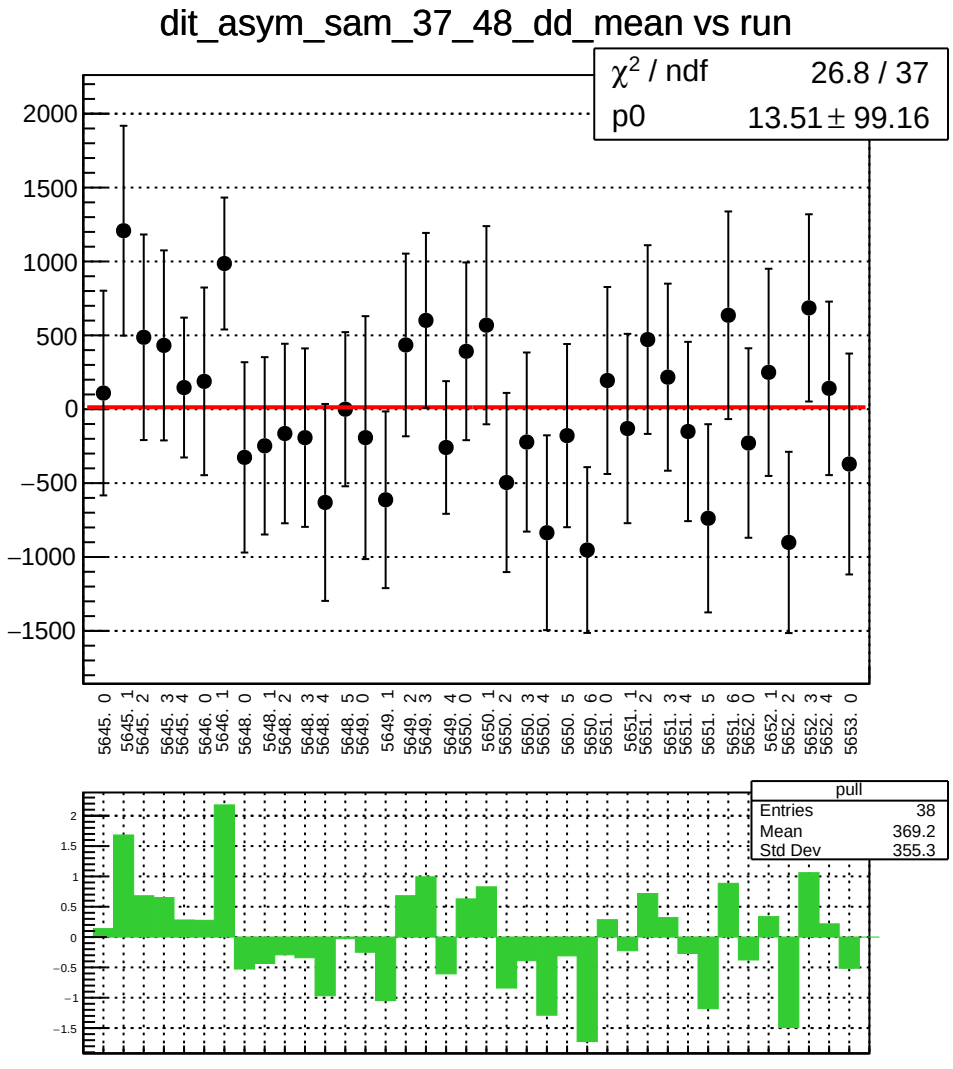

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.666e+04 / 37
p0 101.9 ± 0.1184
160
140
120
100
80
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

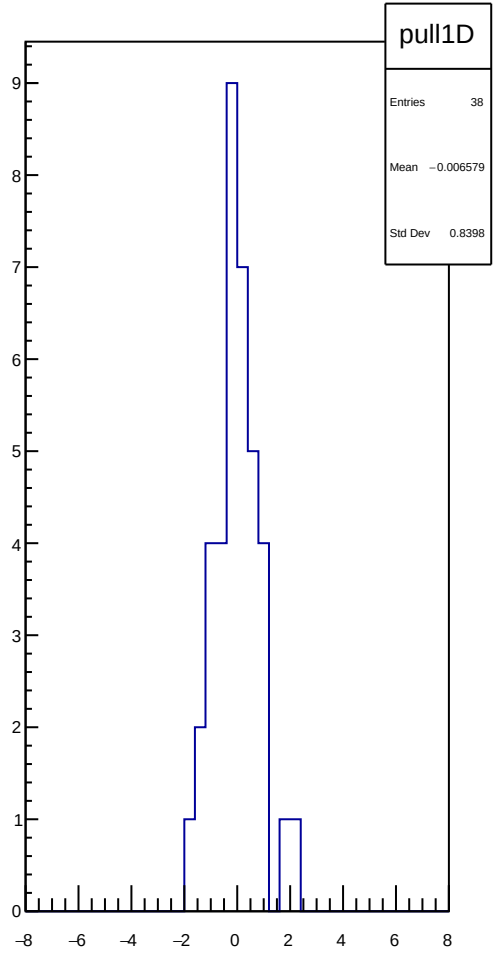

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

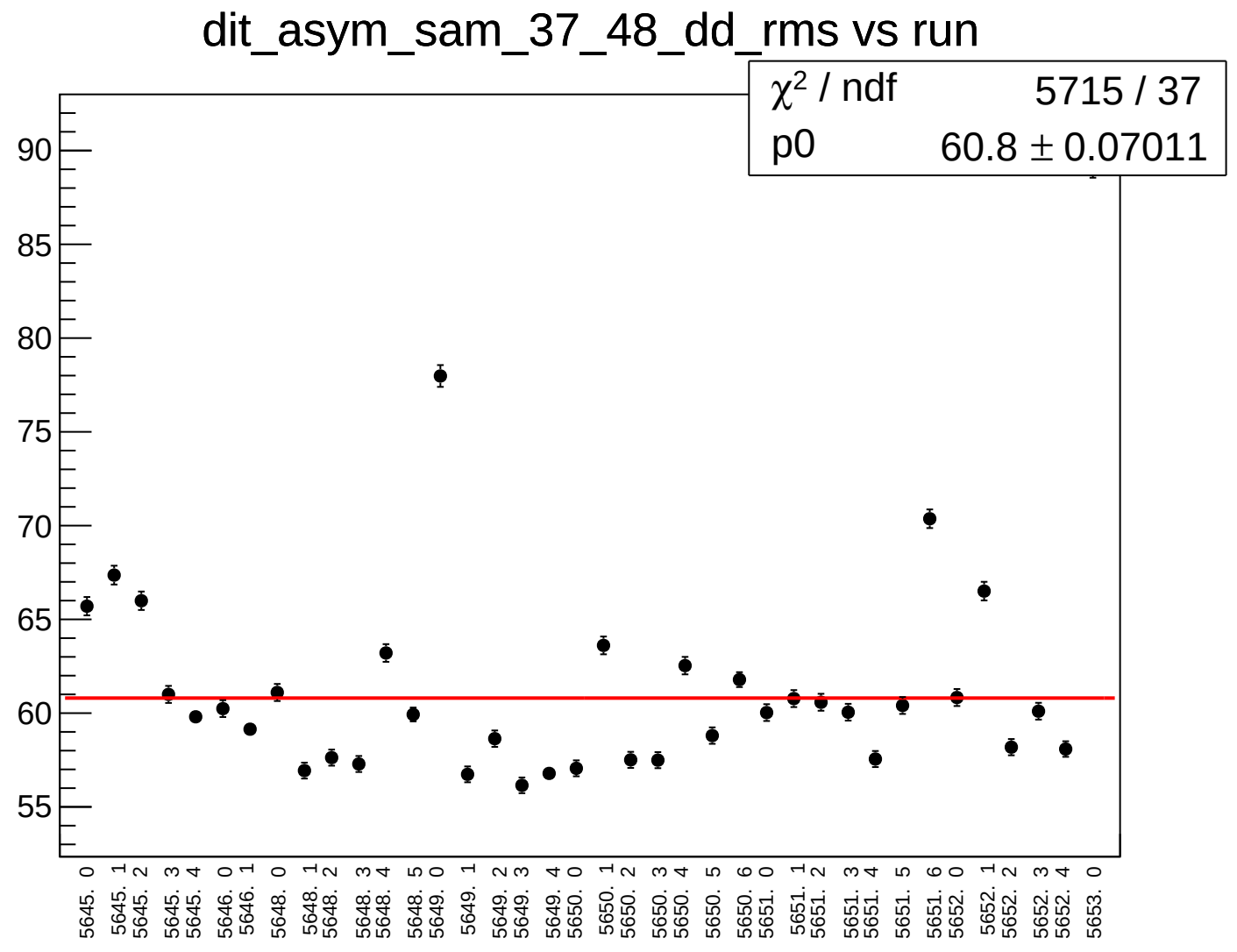

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

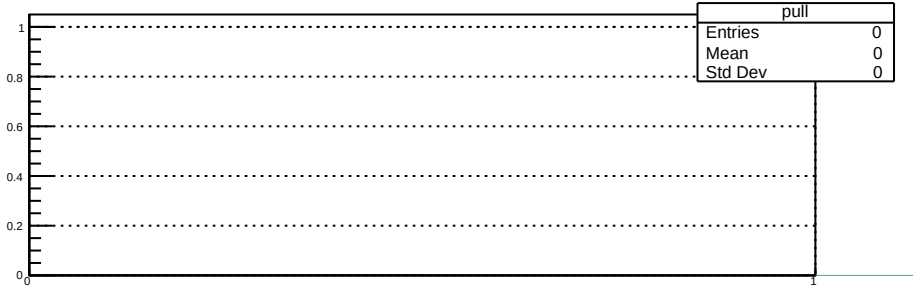

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

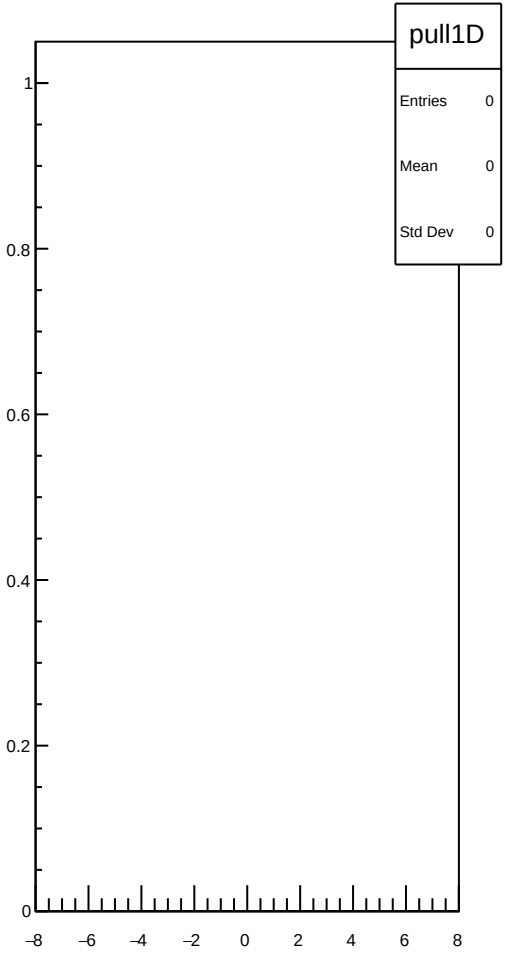

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

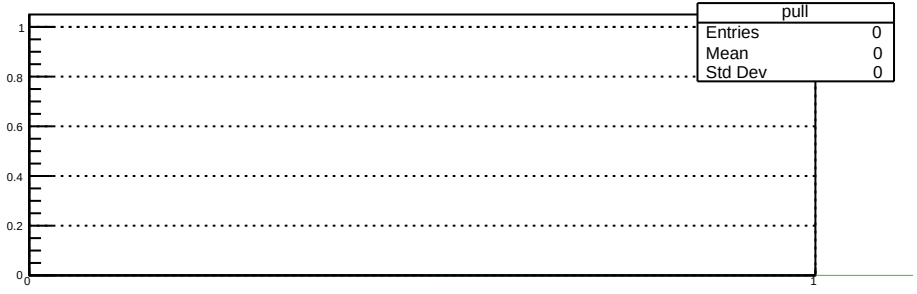

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 26.8 / 37
p0 13.51 ± 99.16
2000
1500
1000
500
0
−500
−1000
−1500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 369.2
Std Dev 355.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

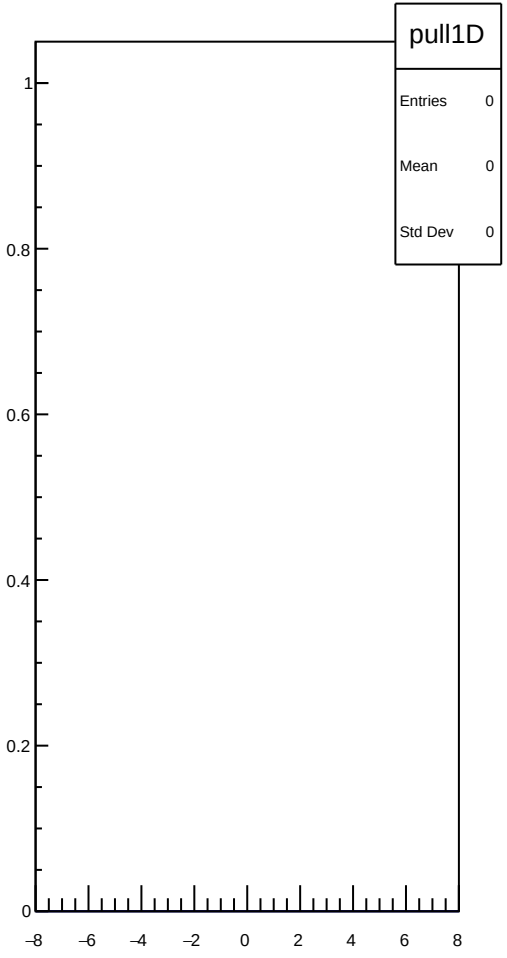

pull1D
Entries 38
Mean −0.006579
Std Dev 0.8398
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

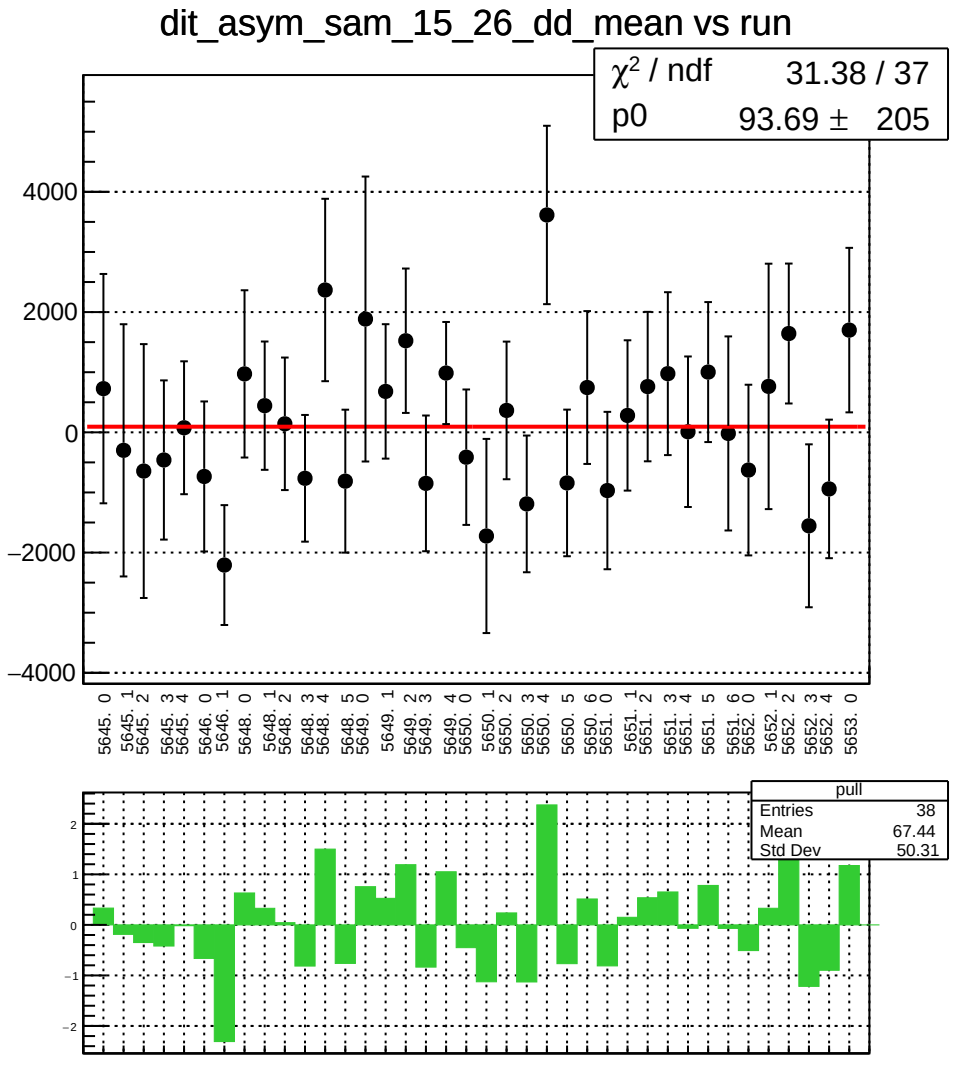

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 5715 / 37
p0 60.8 ± 0.07011
90
85
80
75
70
65
60
55
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

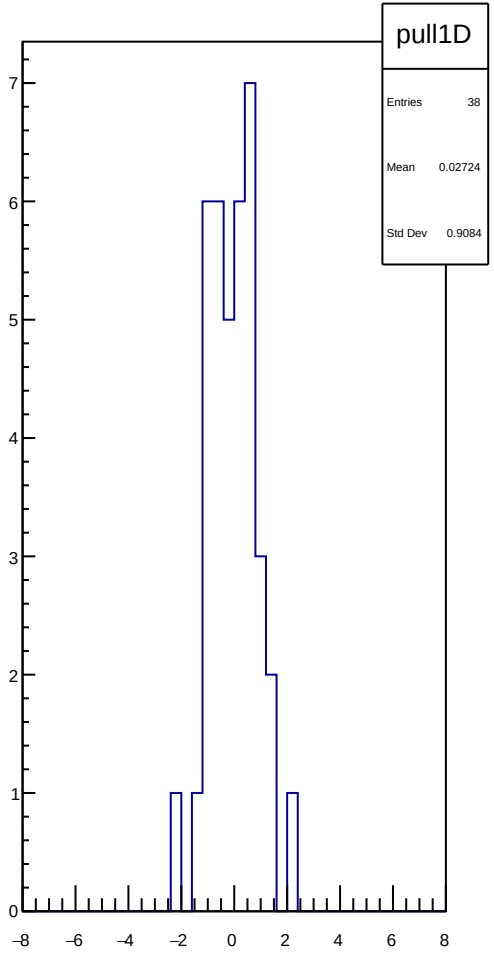

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

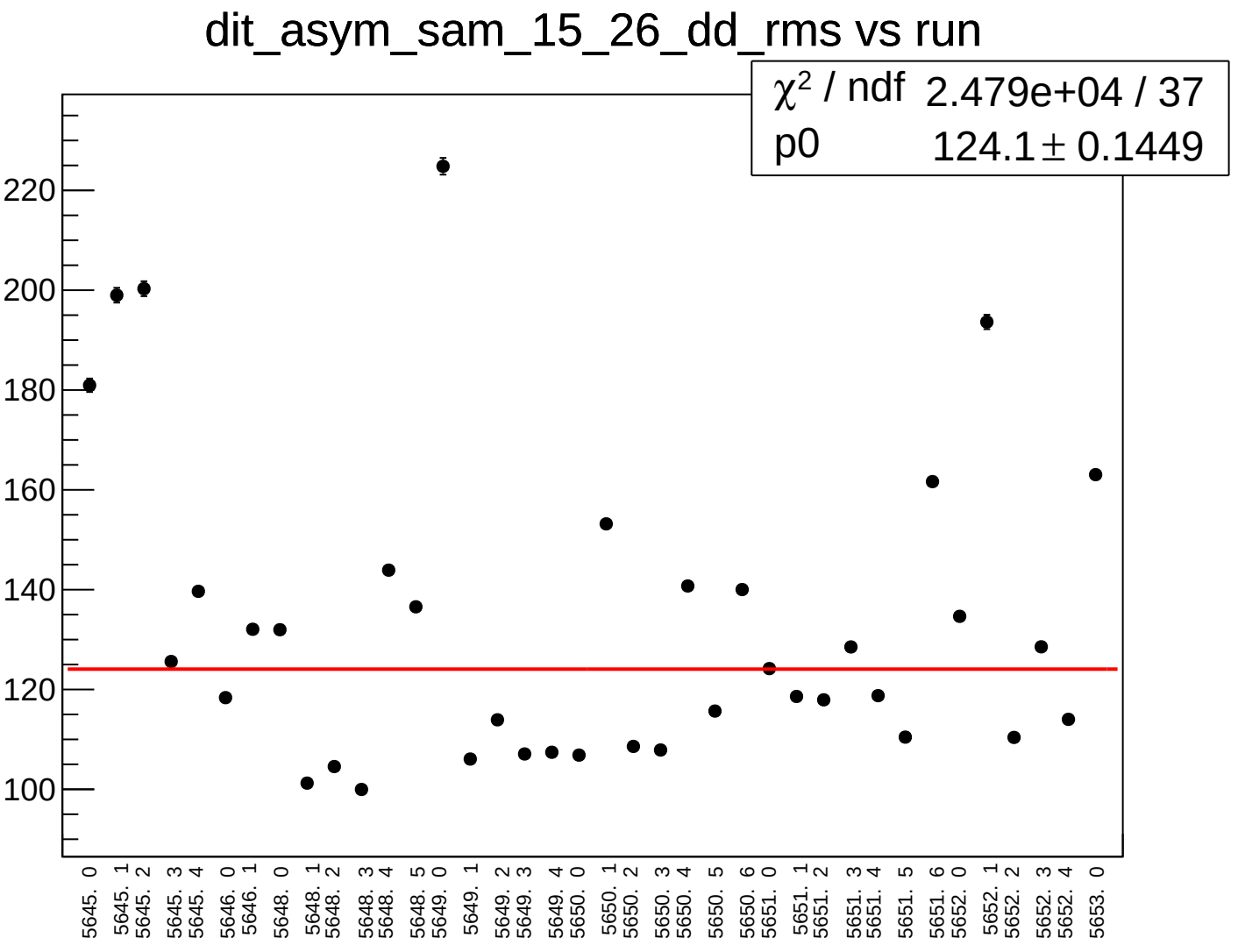

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

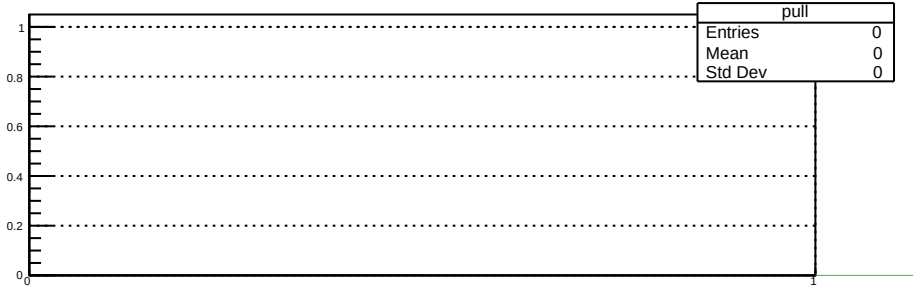

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

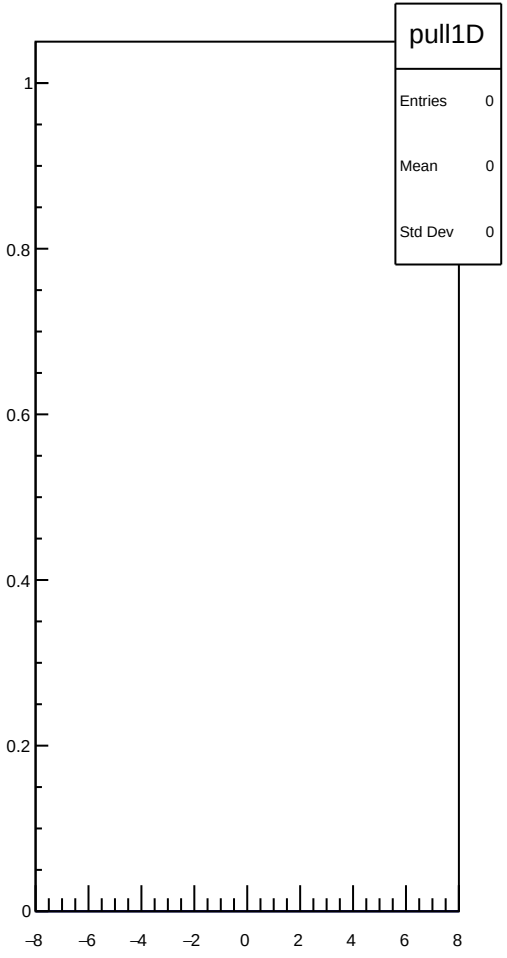

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

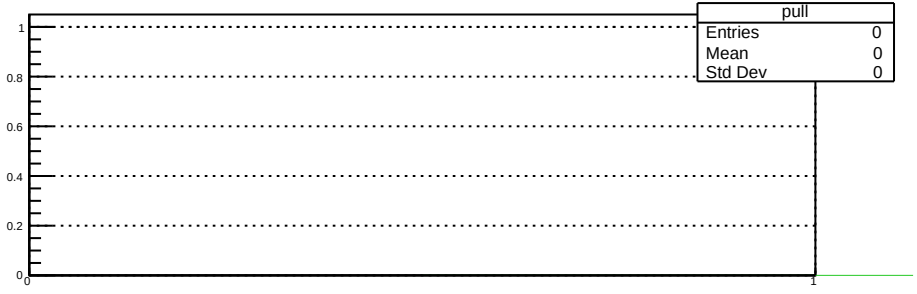

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 31.38 / 37
p0 93.69 ± 205
4000
2000
0
−2000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 67.44
Std Dev 50.31
2
1
0
−1
−2

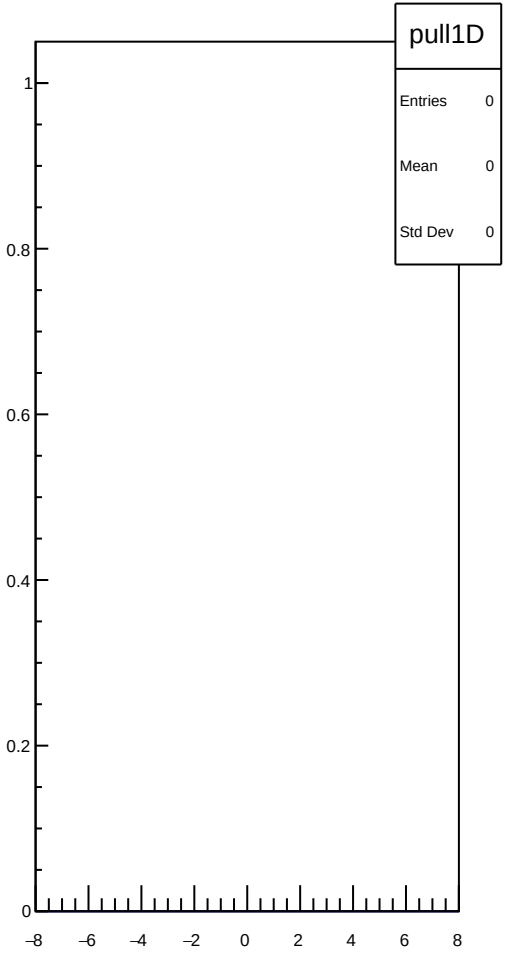

pull1D
Entries 38
Mean 0.02724
Std Dev 0.9084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

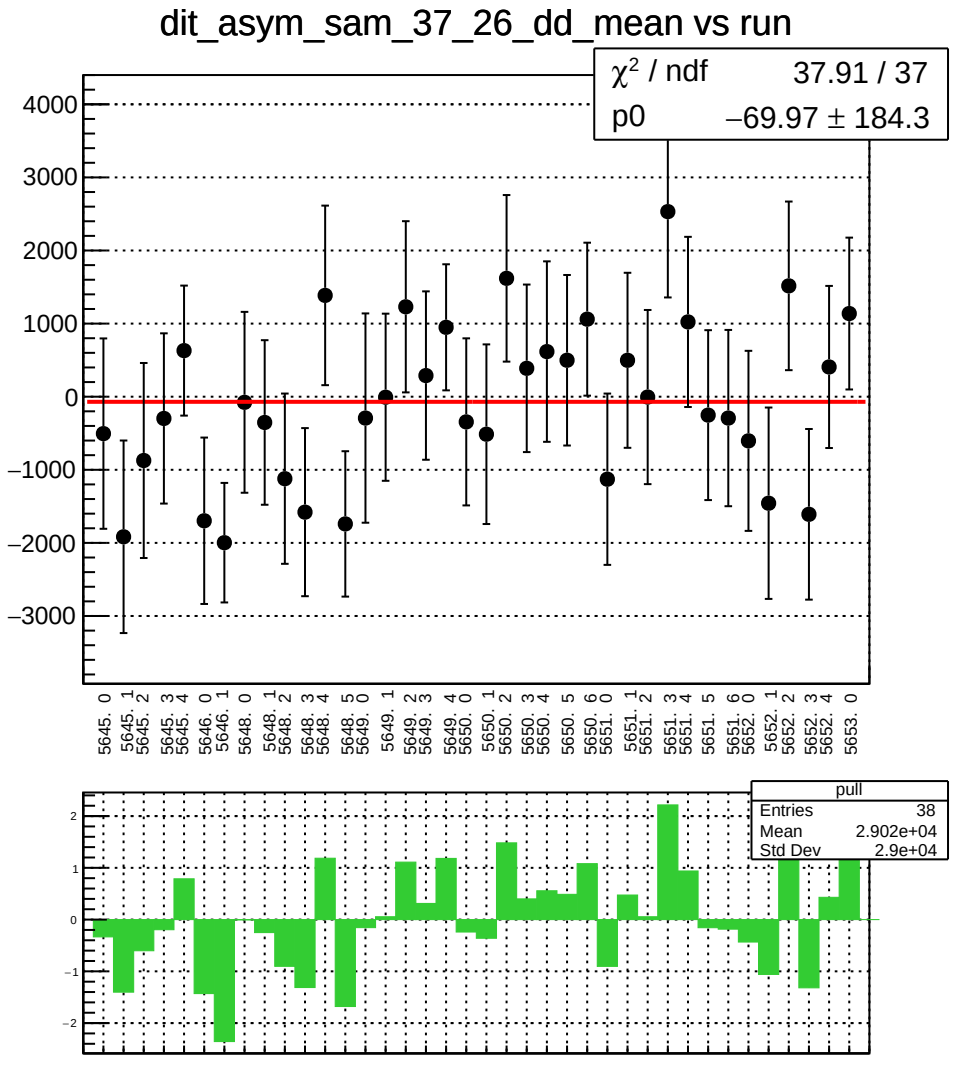

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.479e+04 / 37
p0 124.1 ± 0.1449
220
200
180
160
140
120
100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

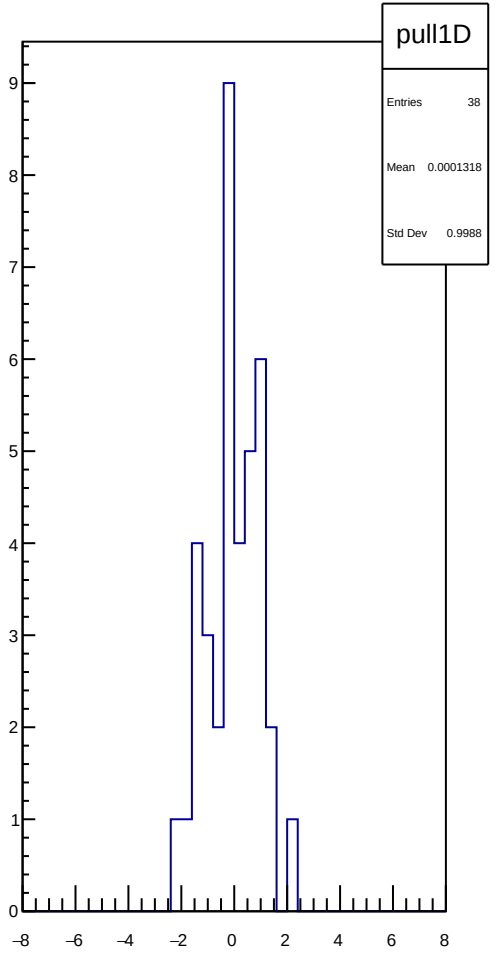

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

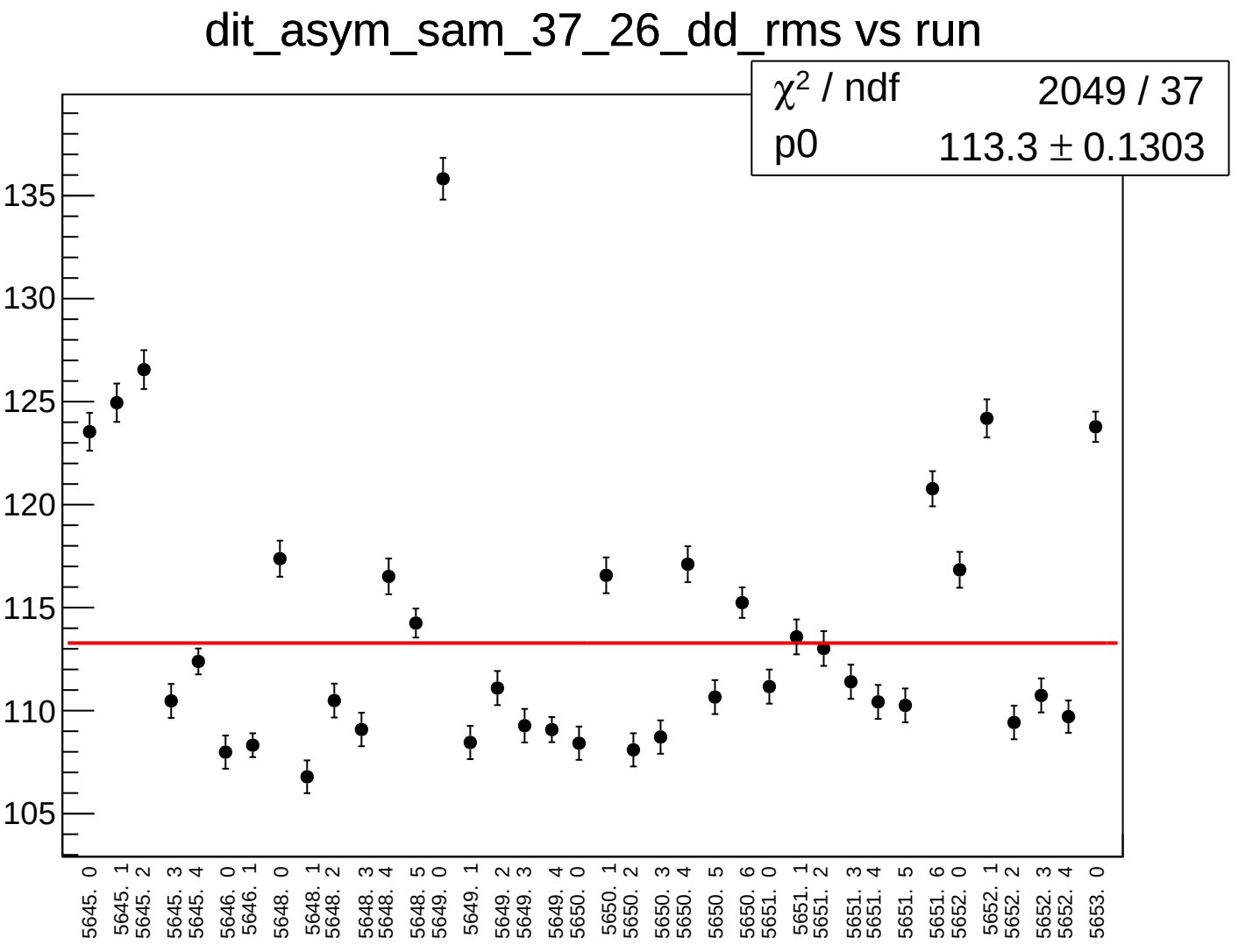

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

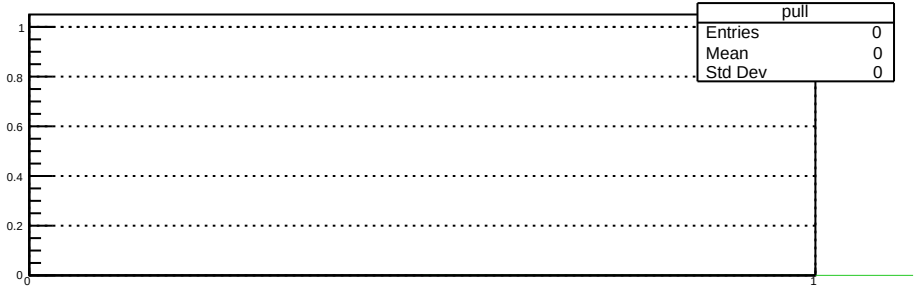

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

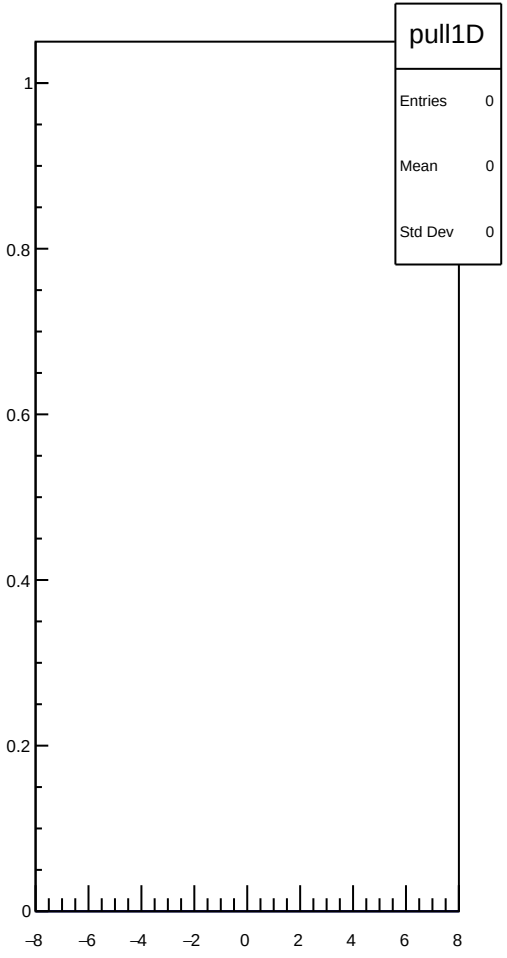

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

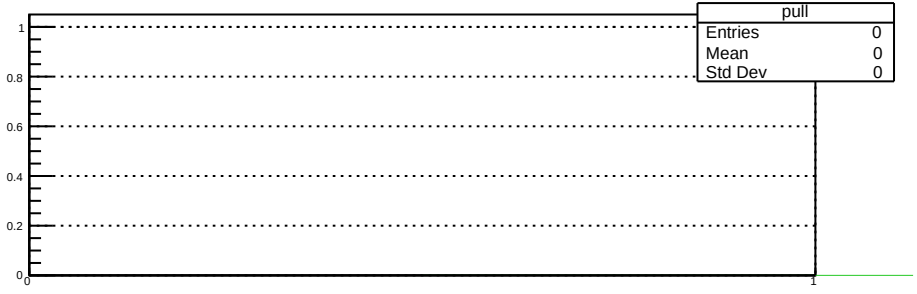

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 37.91 / 37
p0 −69.97 ± 184.3
4000
3000
2000
1000
0
−1000
−2000
−3000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 2.902e+04
Std Dev 2.9e+04
2
1
0
−1
−2

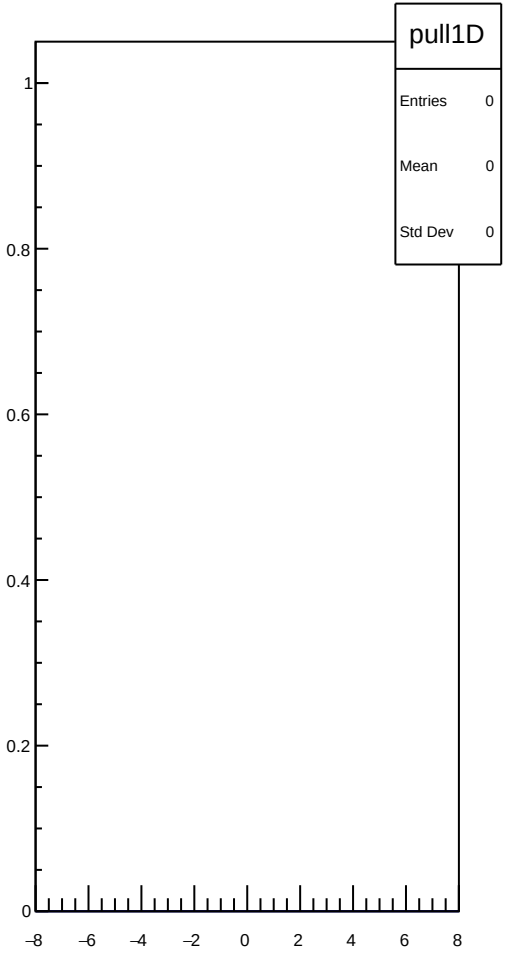

pull1D
Entries 38
Mean 0.0001318
Std Dev 0.9988
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

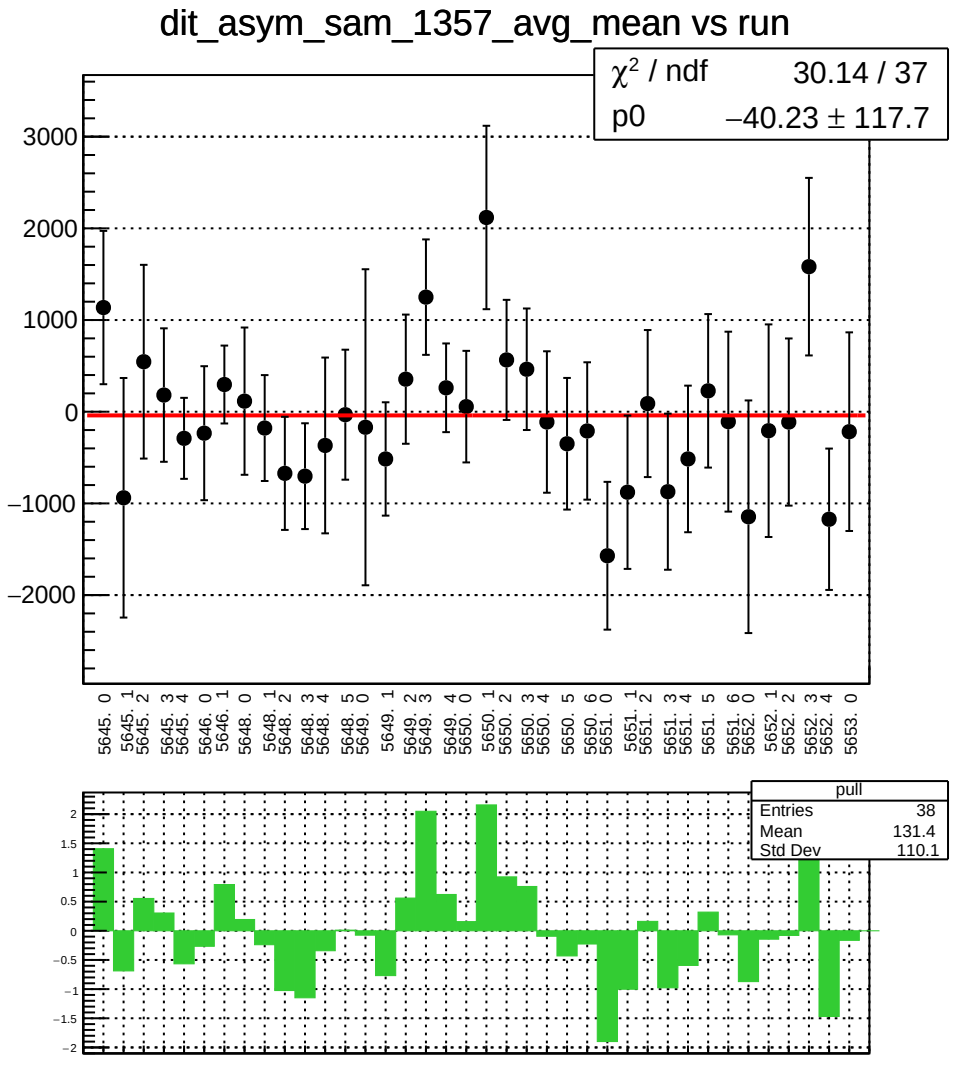

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2049 / 37
p0 113.3 ± 0.1303
135
130
125
120
115
110
105
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

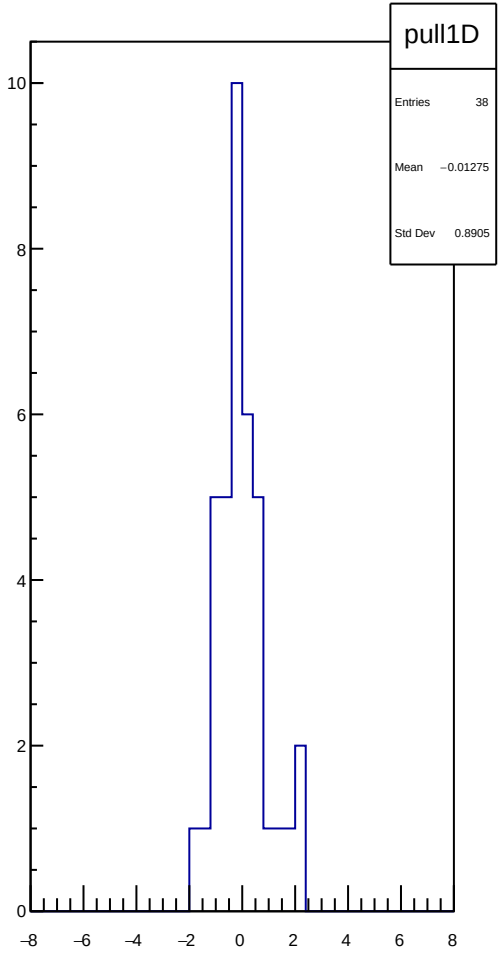

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

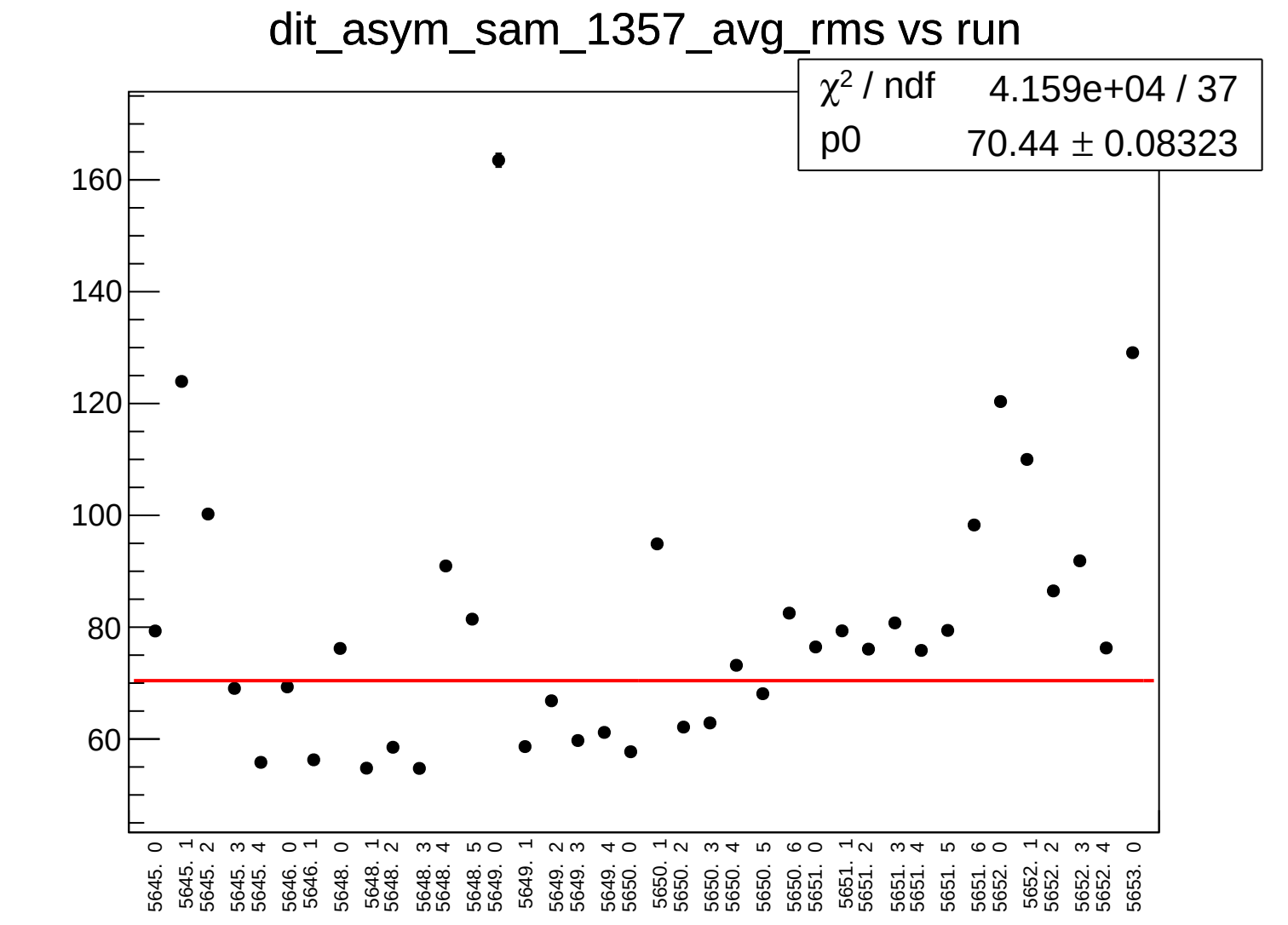

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

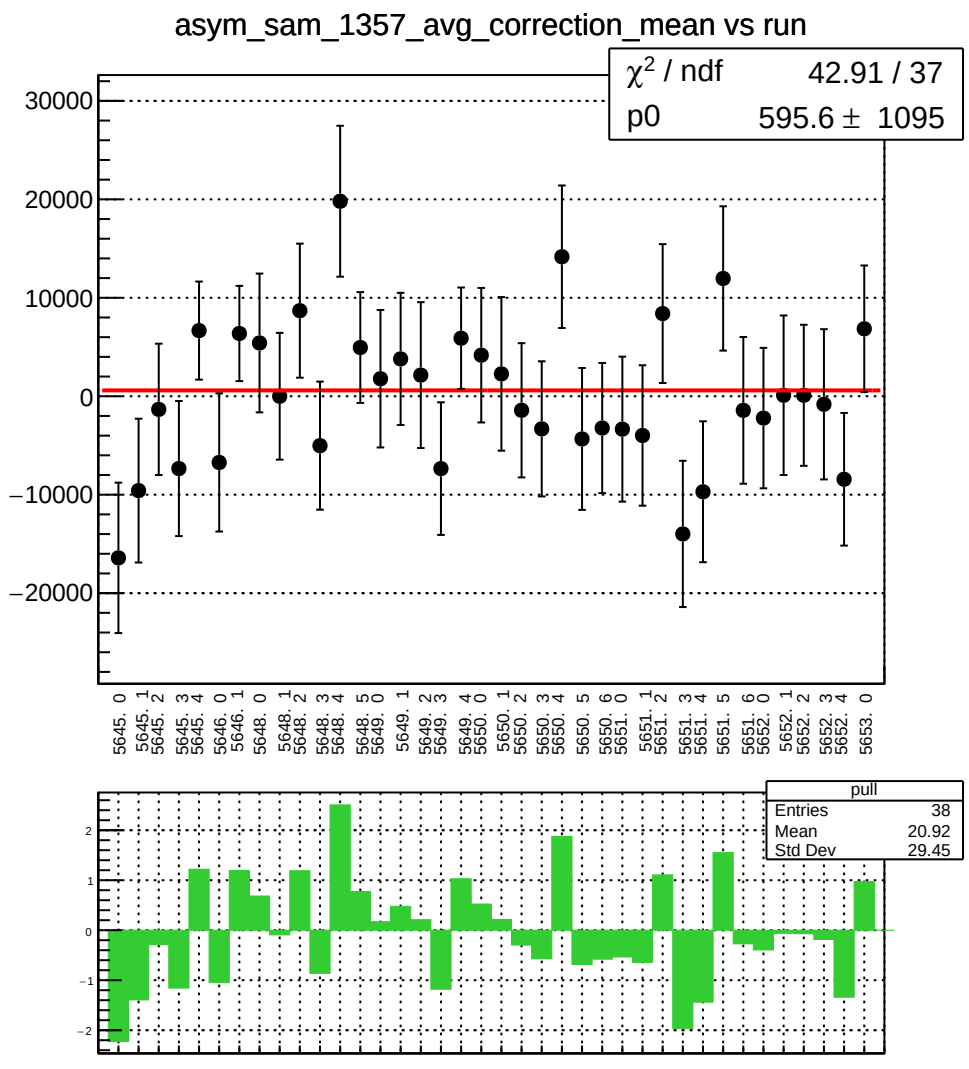

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

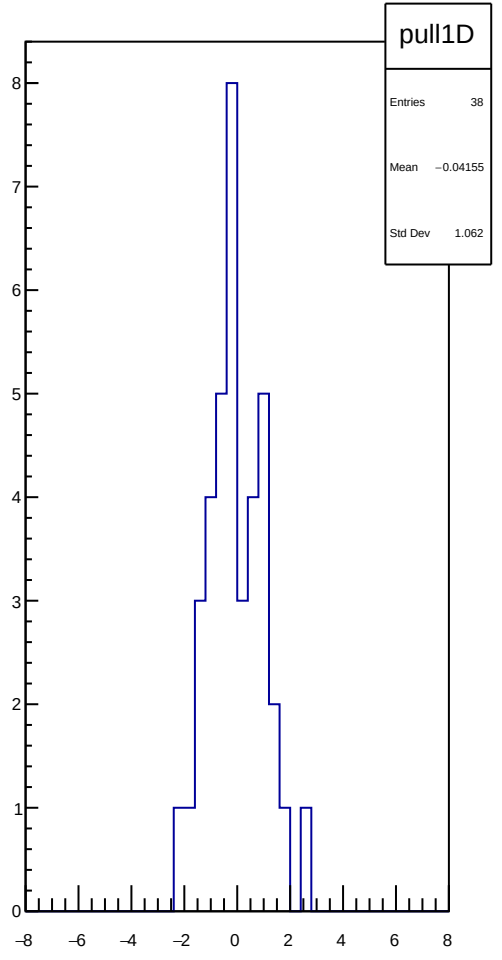

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

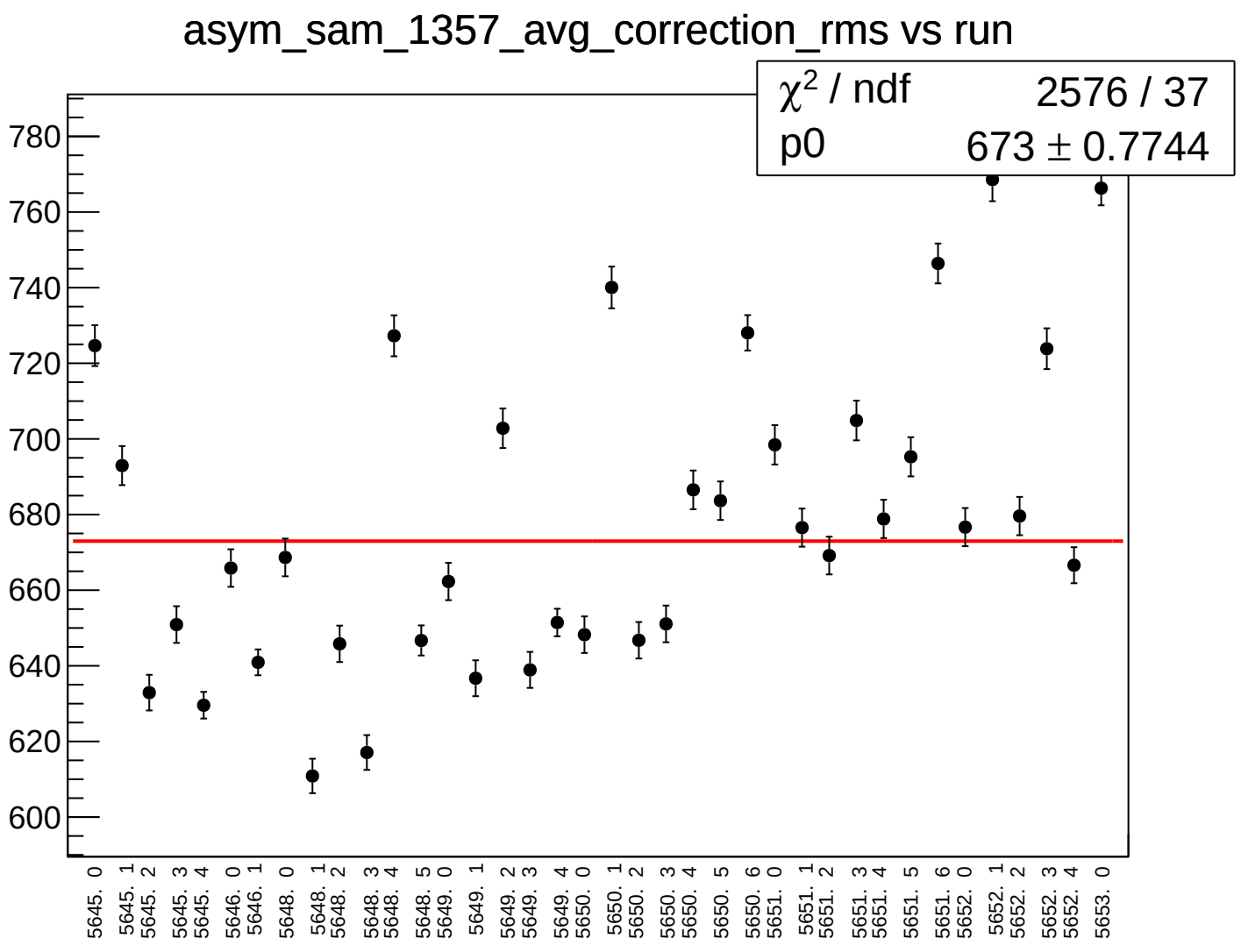

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 30.14 / 37
p0 −40.23 ± 117.7
3000
2000
1000
0
−1000
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 131.4
Std Dev 110.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

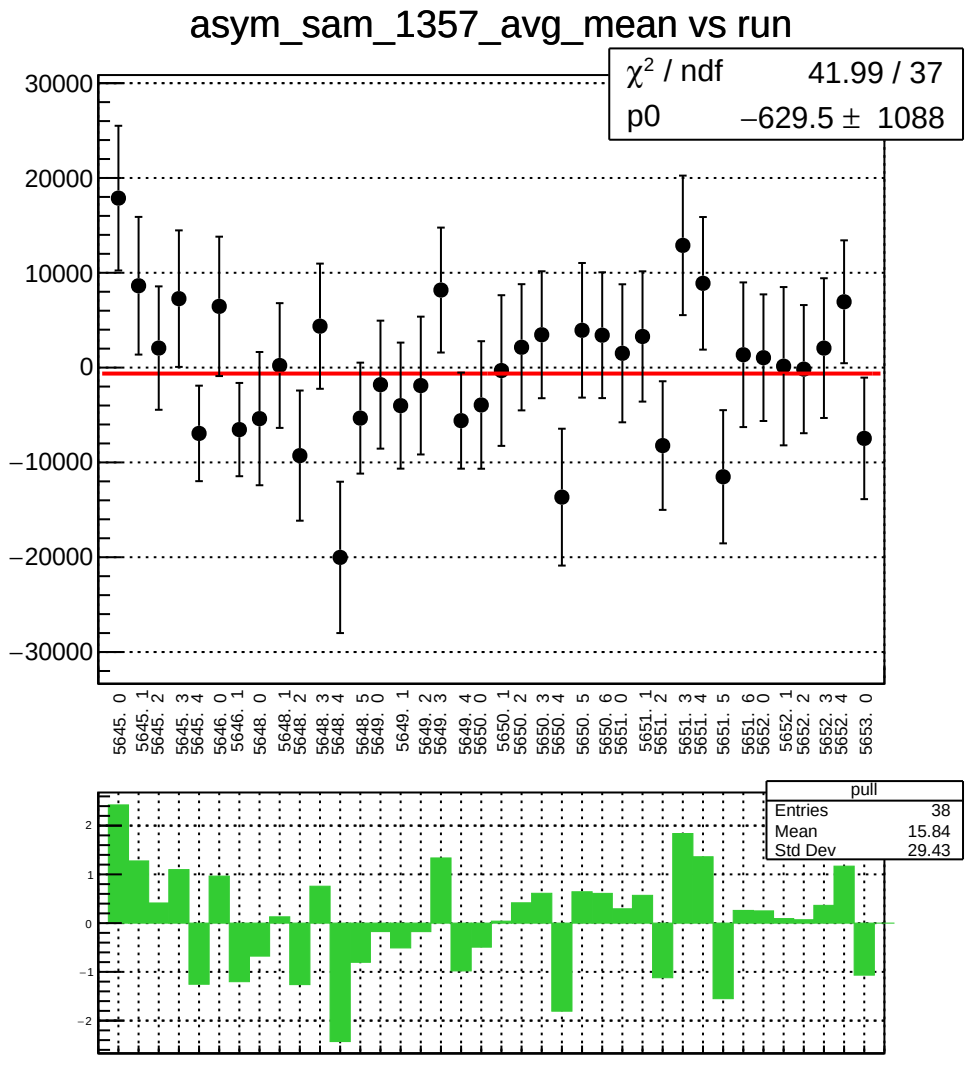

pull1D
Entries 38
Mean −0.01275
Std Dev 0.8905
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

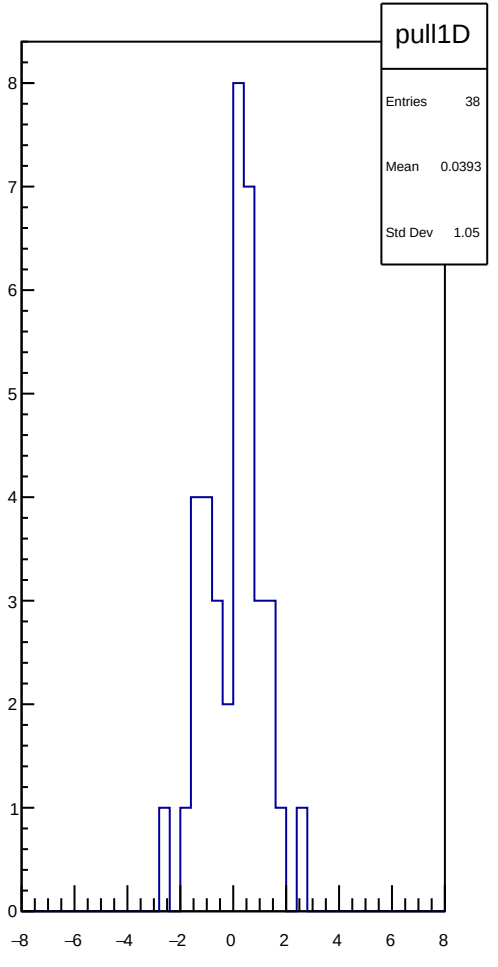

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 4.159e+04 / 37
p0 70.44 ± 0.08323
160
140
120
100
80
60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

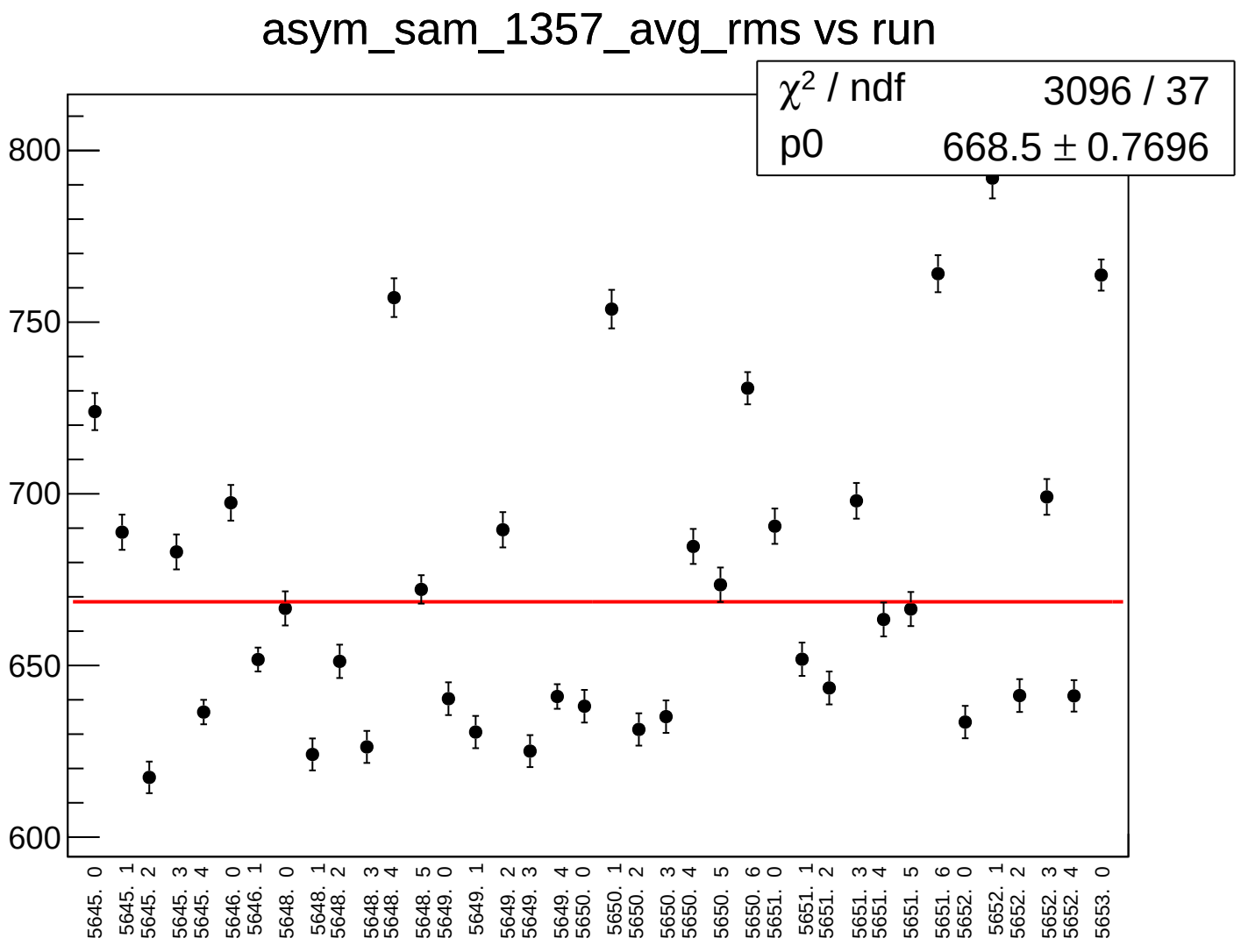

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 42.91 / 37
p0 595.6 ± 1095
30000
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 20.92
Std Dev 29.45
2
1
0
−1
−2

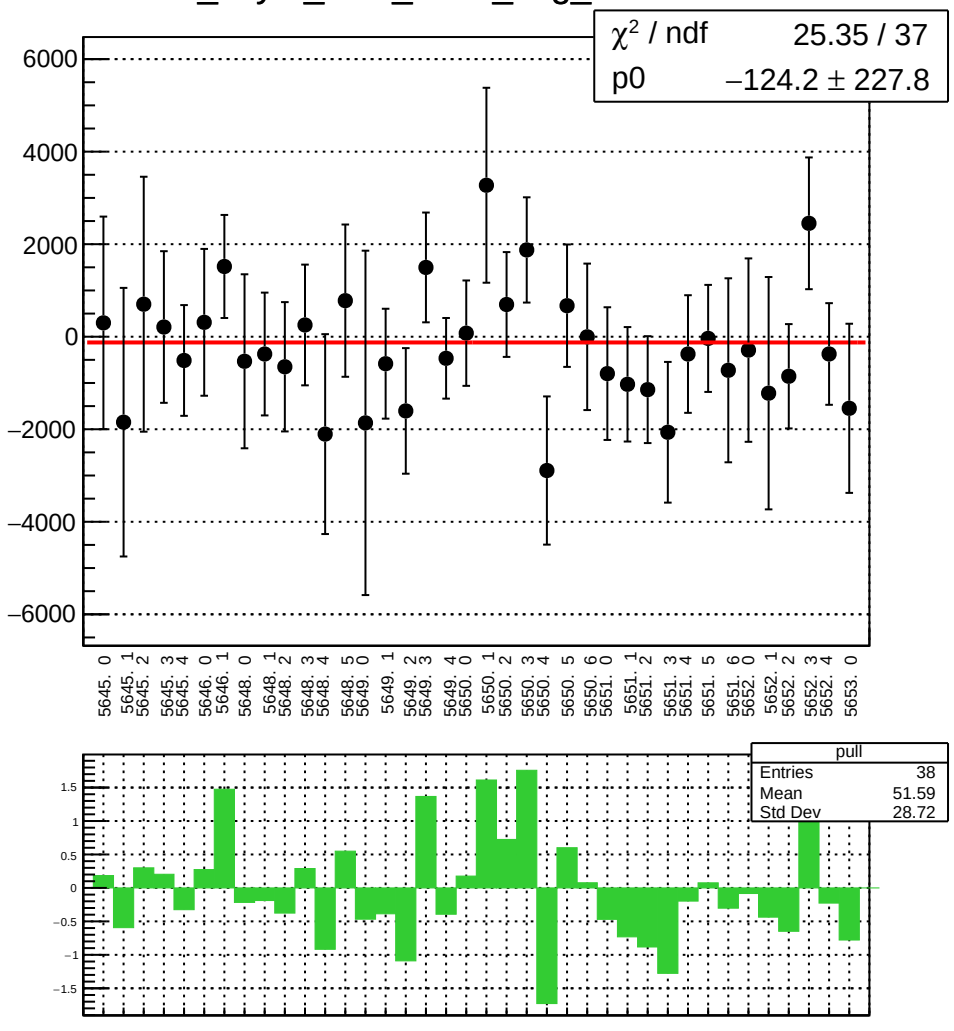

pull1D
Entries 38
Mean −0.04155
Std Dev 1.062
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

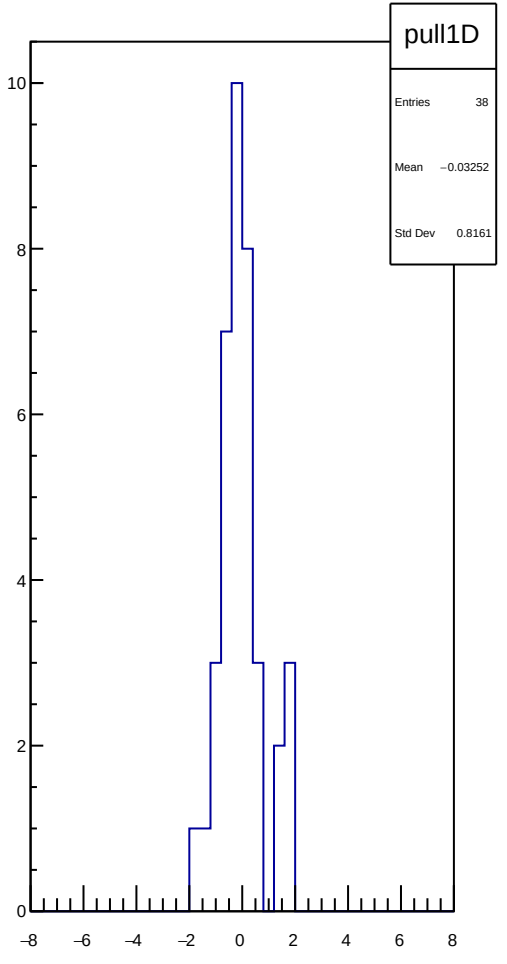

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2576 / 37
p0 673 ± 0.7744
780
760
740
720
700
680
660
640
620
600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

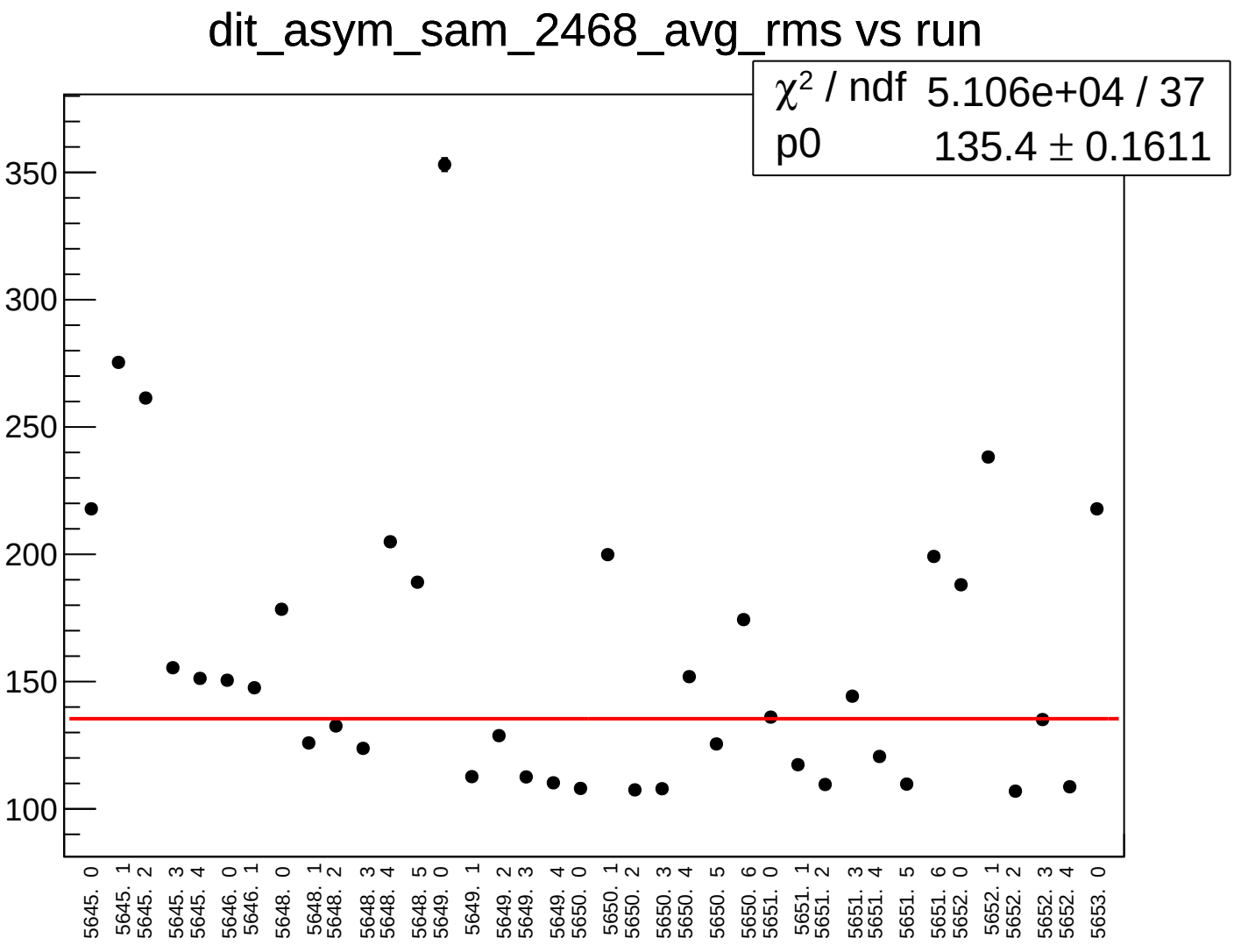

asym_sam_1357_avg_mean vs run
χ² / ndf 41.99 / 37
p0 −629.5 ± 1088
30000
20000
10000
0
−10000
−20000
−30000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 15.84
Std Dev 29.43
2
1
0
−1
−2

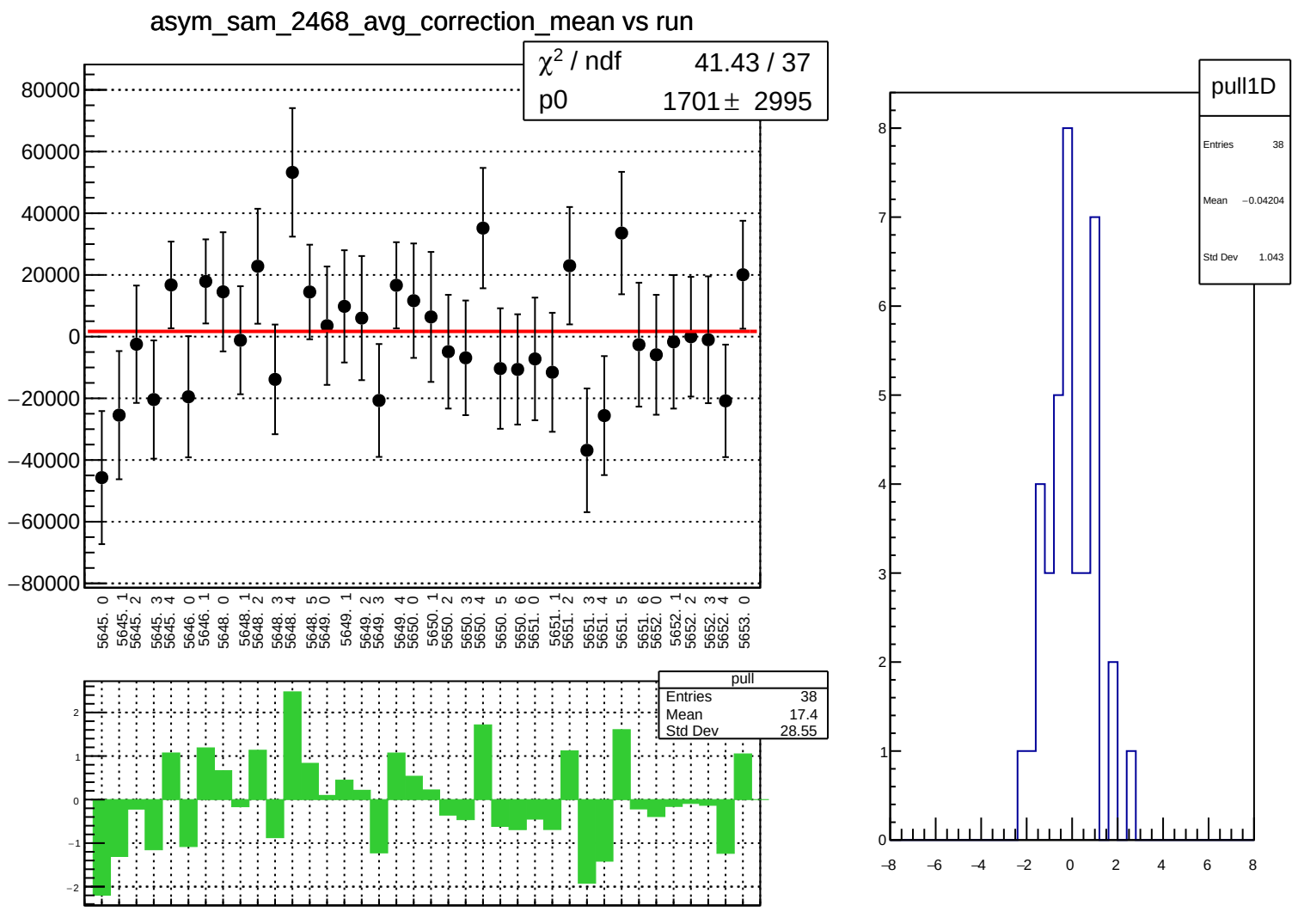

pull1D
Entries 38
Mean 0.0393
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

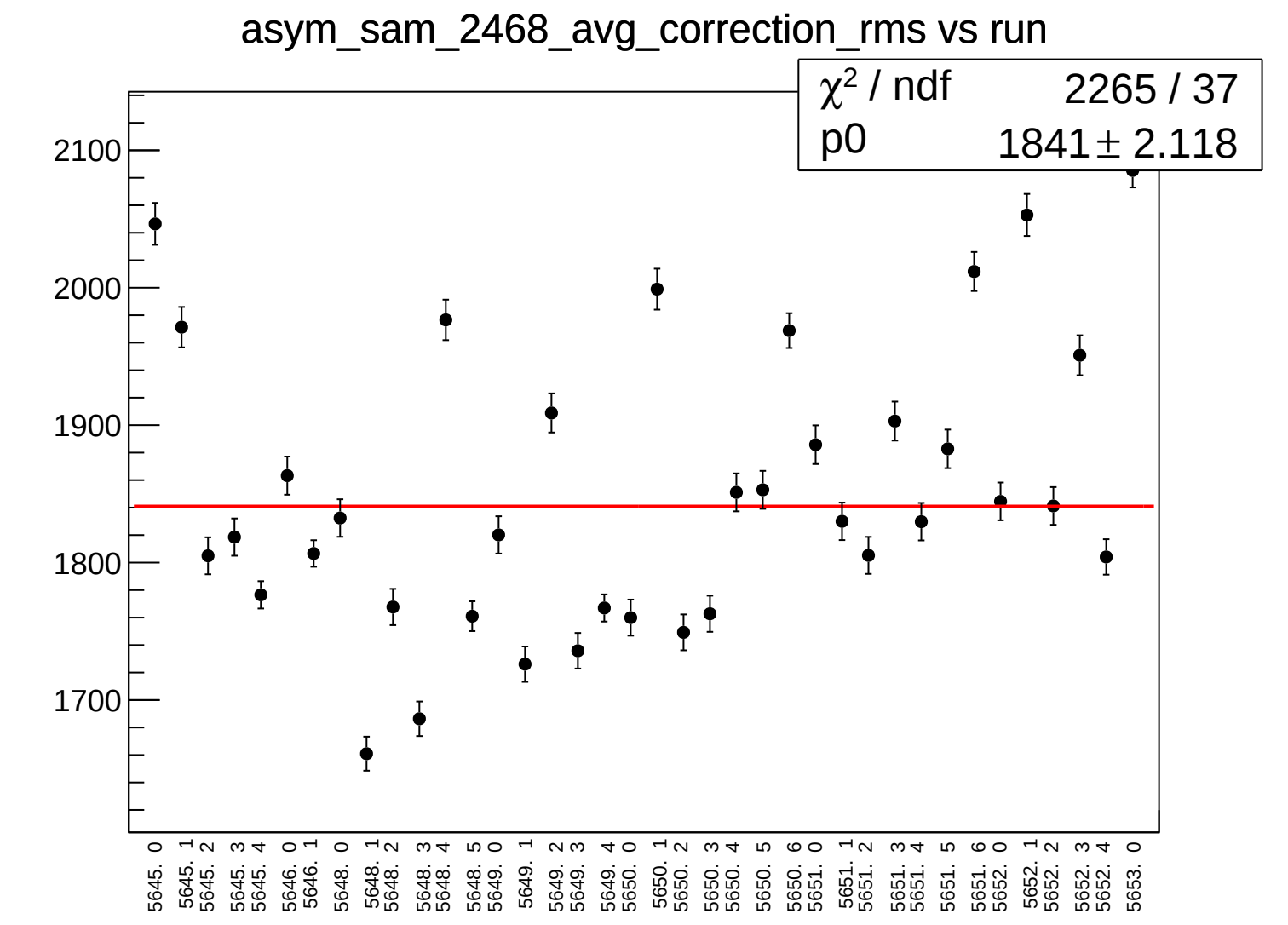

asym_sam_1357_avg_rms vs run
χ² / ndf 3096 / 37
p0 668.5 ± 0.7696
800
750
700
650
600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

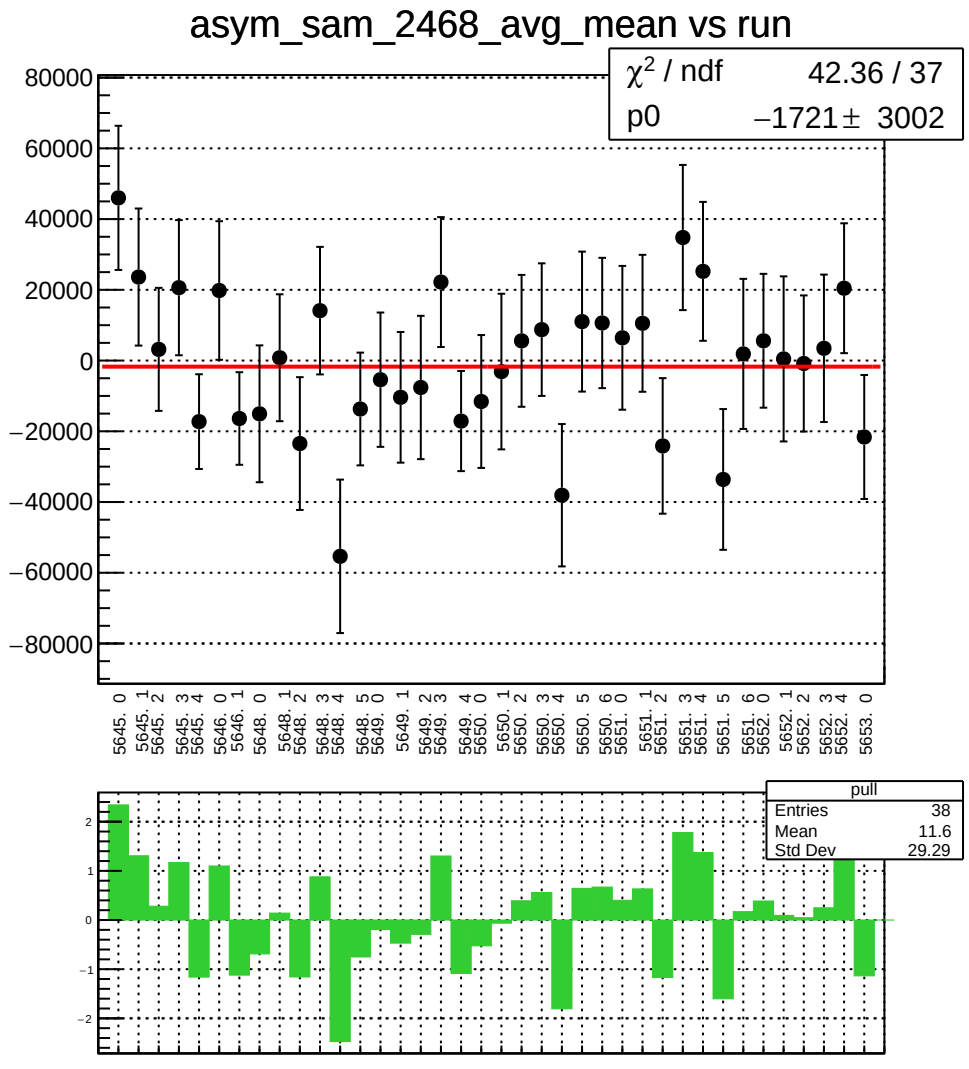

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 25.35 / 37
p0 −124.2 ± 227.8
6000
4000
2000
0
−2000
−4000
−6000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 51.59
Std Dev 28.72
1.5
1
0.5
0
−0.5
−1
−1.5

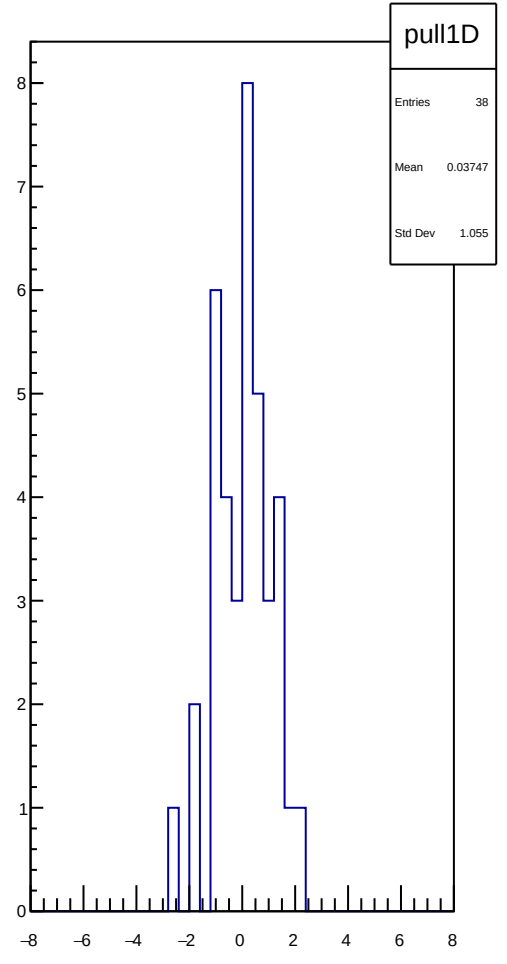

pull1D
Entries 38
Mean −0.03252
Std Dev 0.8161
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

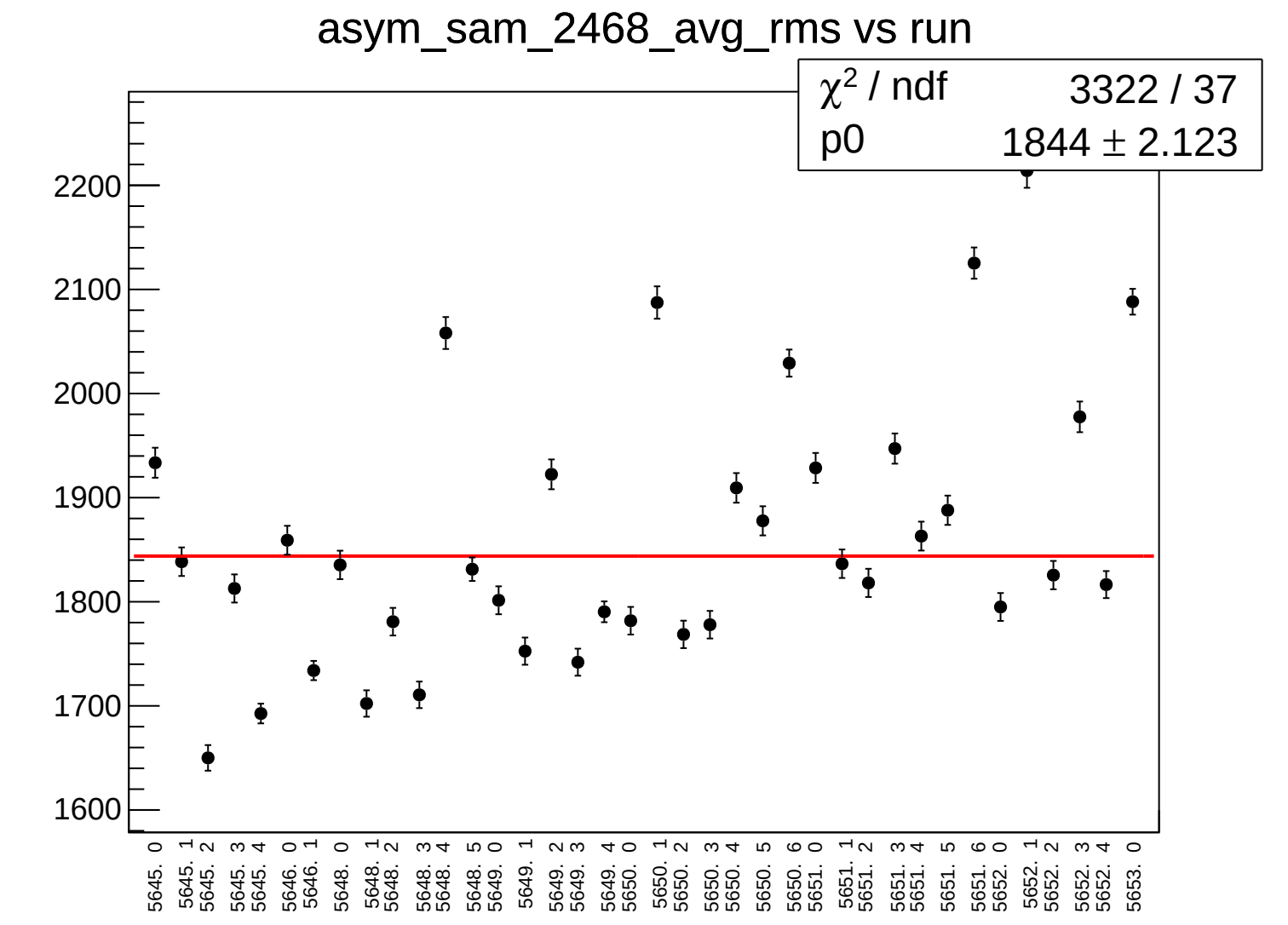

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 5.106e+04 / 37
p0 135.4 ± 0.1611
350
300
250
200
150
100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

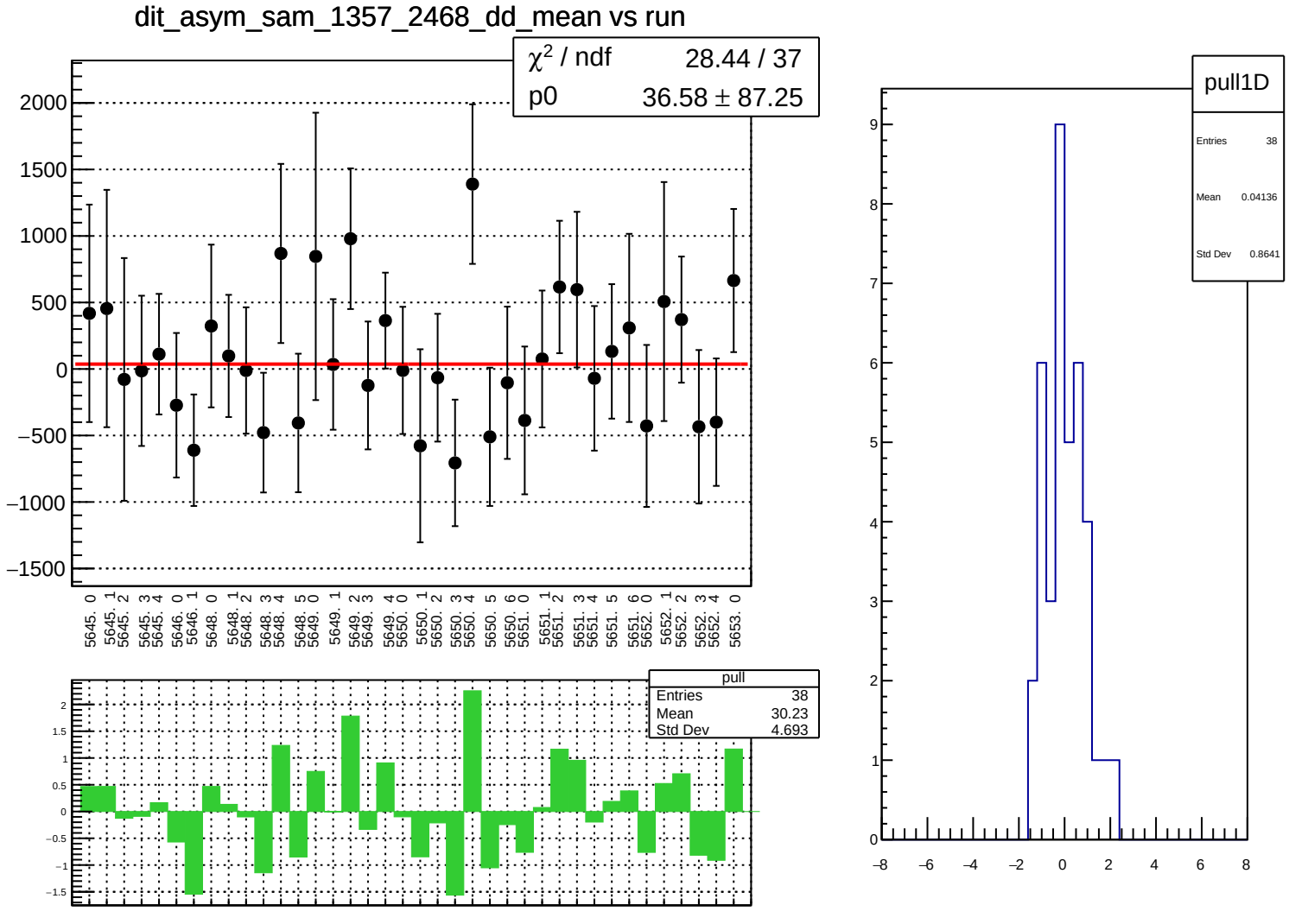

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 41.43 / 37
p0 1701 ± 2995
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 17.4
Std Dev 28.55
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.04204
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

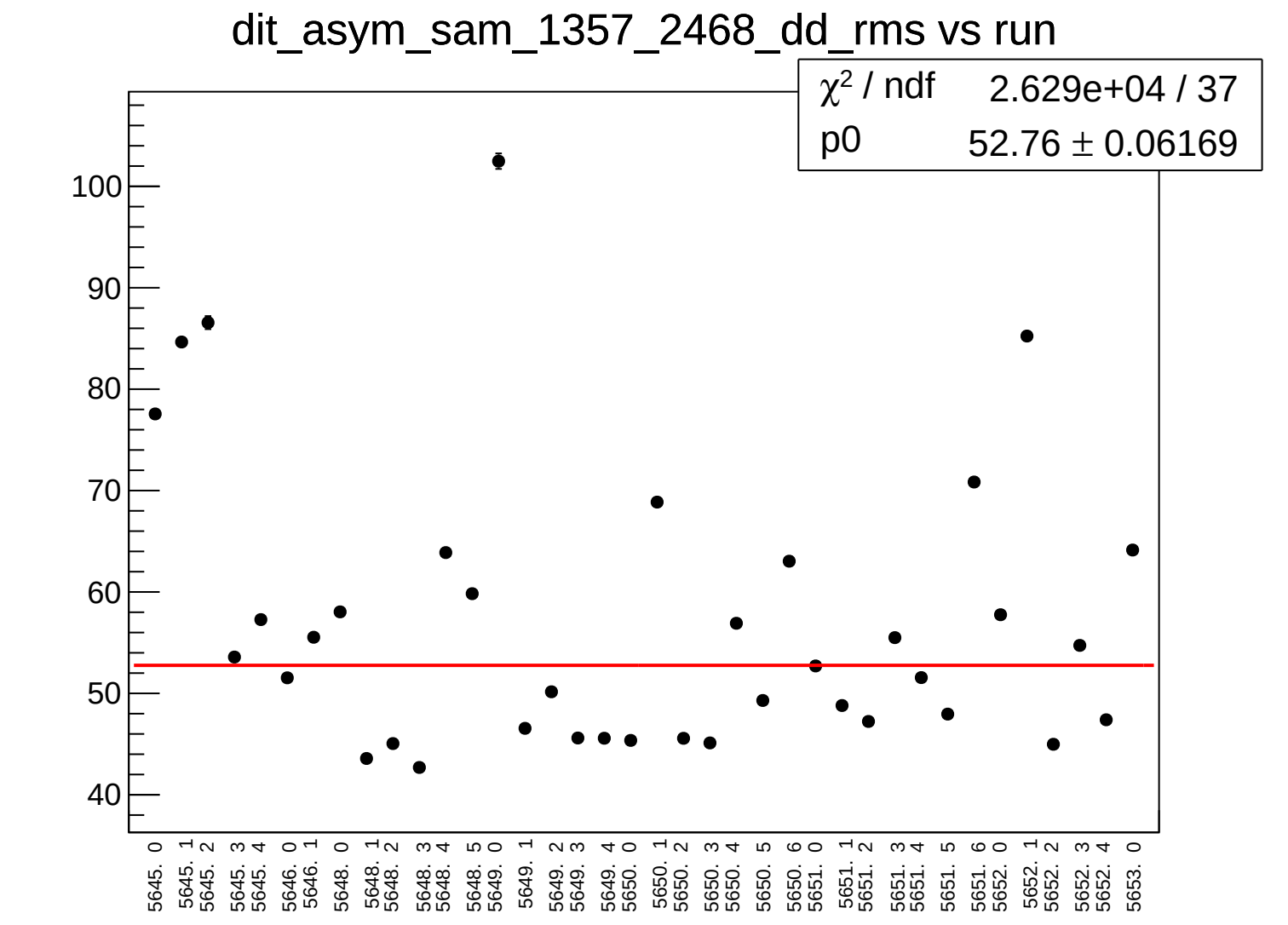

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2265 / 37
p0 1841 ± 2.118
2100
2000
1900
1800
1700
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

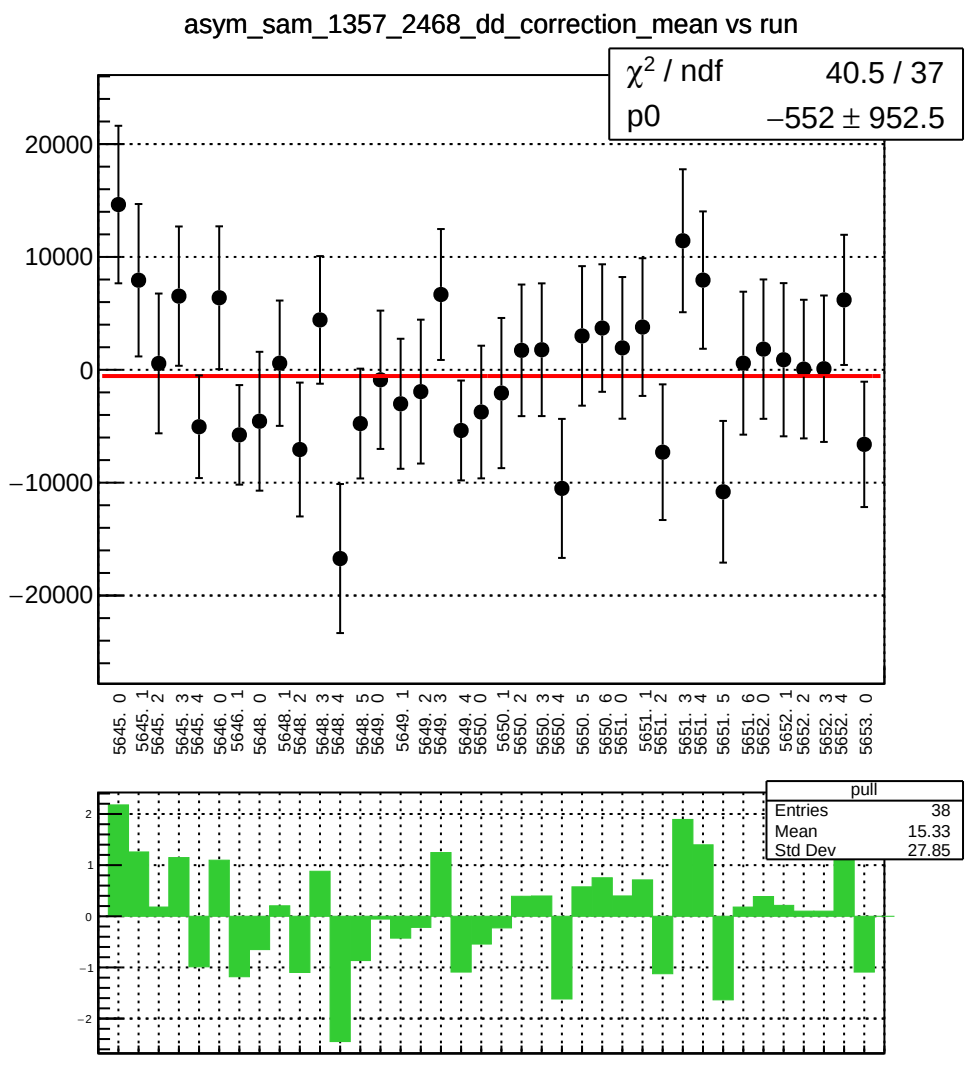

asym_sam_2468_avg_mean vs run
χ² / ndf 42.36 / 37
p0 −1721 ± 3002
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 11.6
Std Dev 29.29
2
1
0
−1
−2

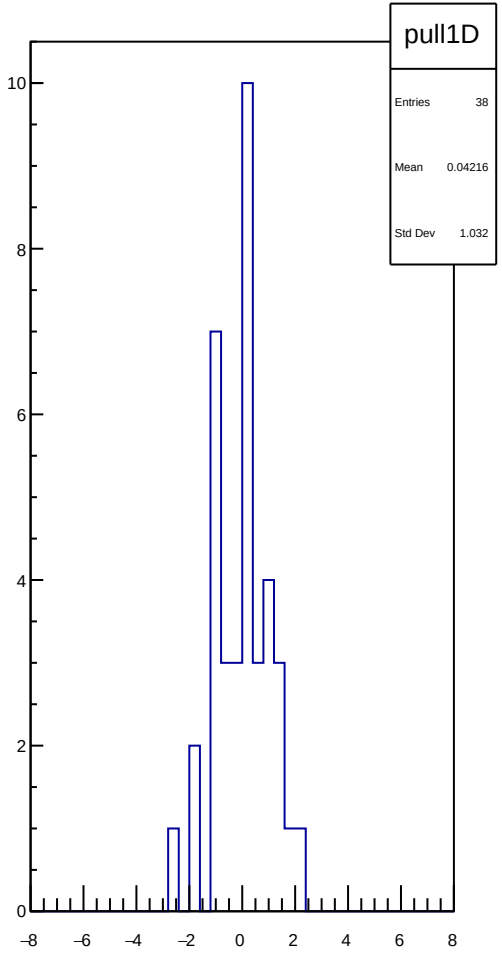

pull1D
Entries 38
Mean 0.03747
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

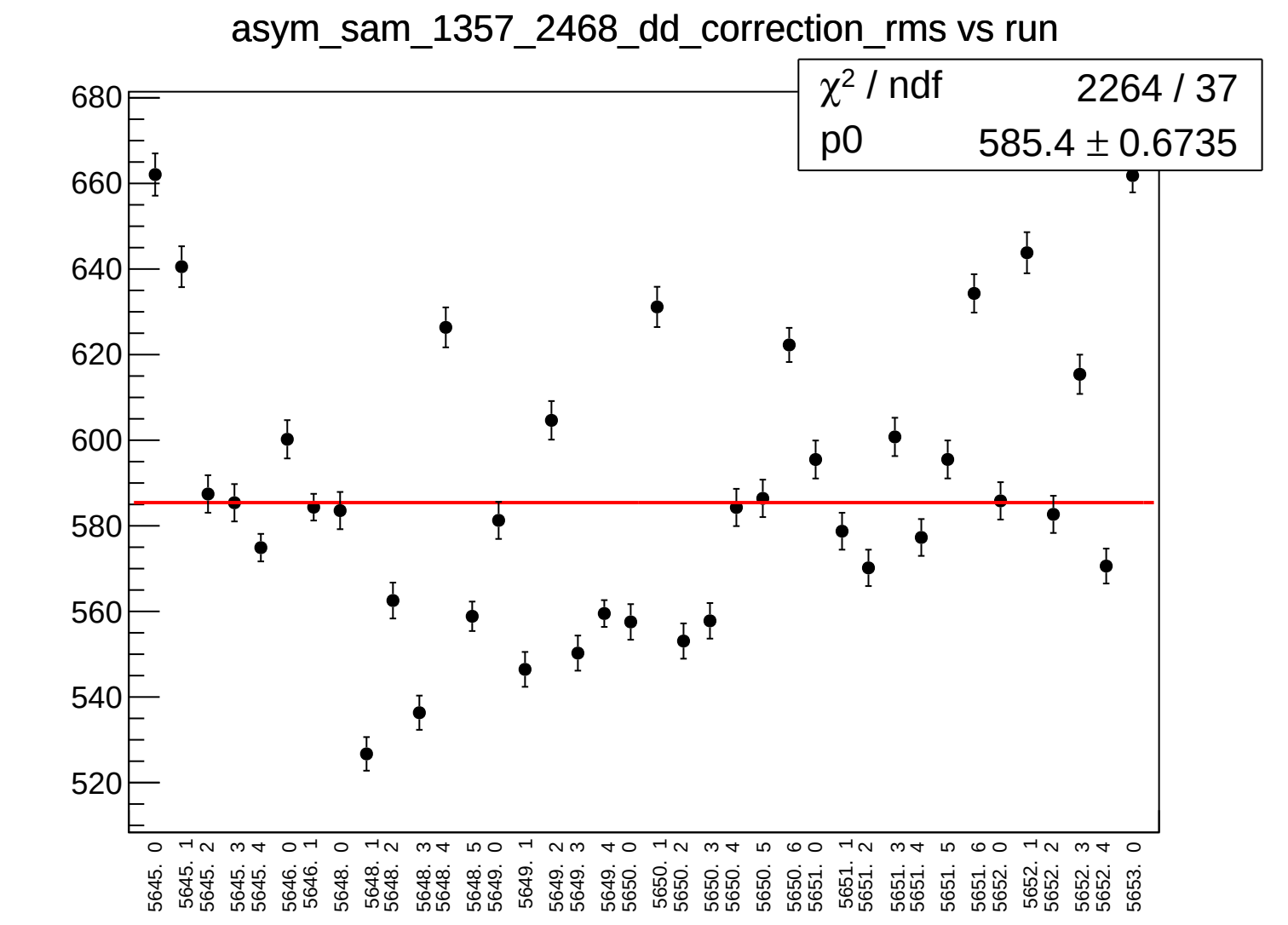

asym_sam_2468_avg_rms vs run
χ² / ndf 3322 / 37
p0 1844 ± 2.123
2200
2100
2000
1900
1800
1700
1600
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

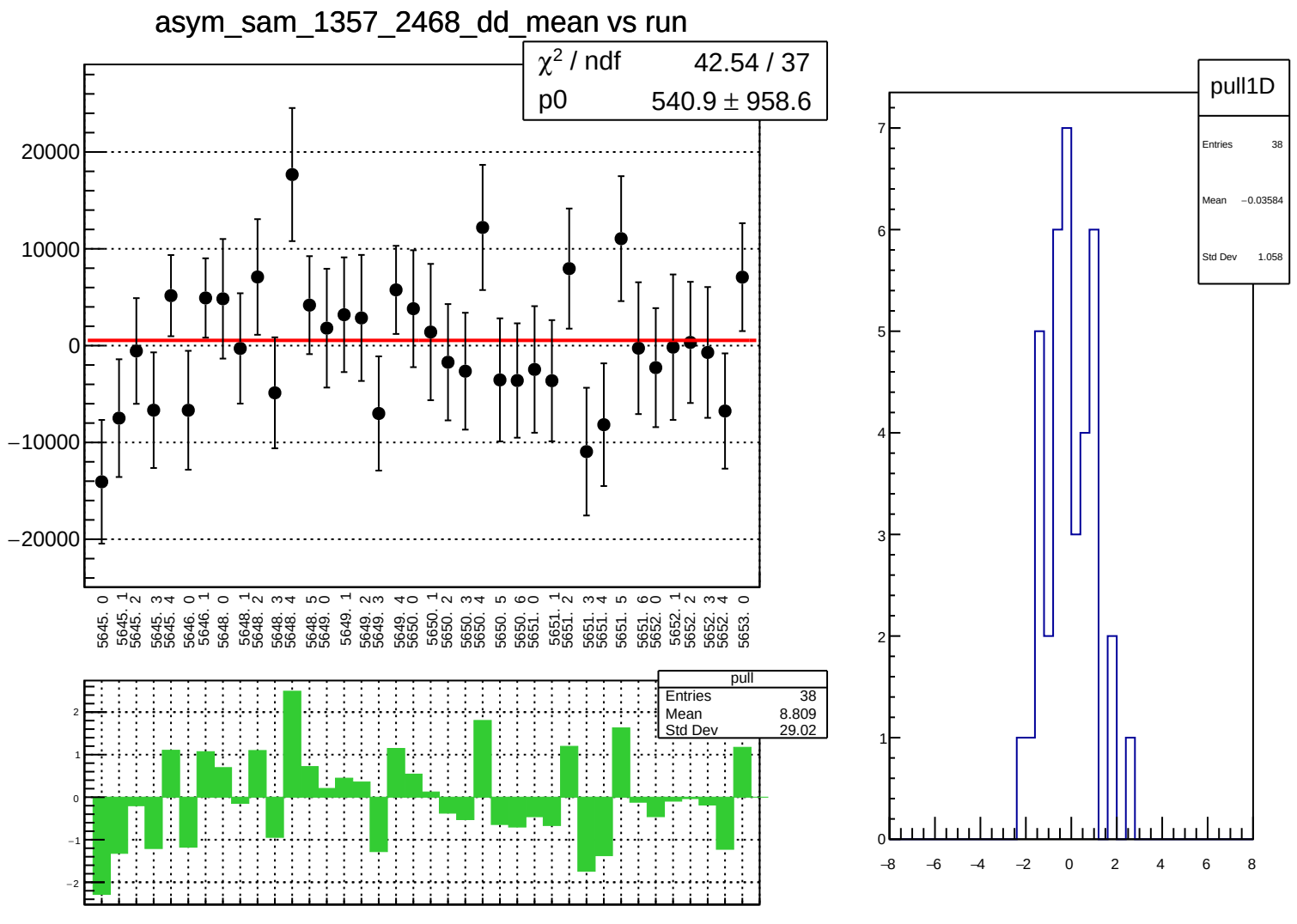

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 28.44 / 37
p0 36.58 ± 87.25
2000
1500
1000
500
0
−500
−1000
−1500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 30.23
Std Dev 4.693
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean 0.04136
Std Dev 0.8641
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

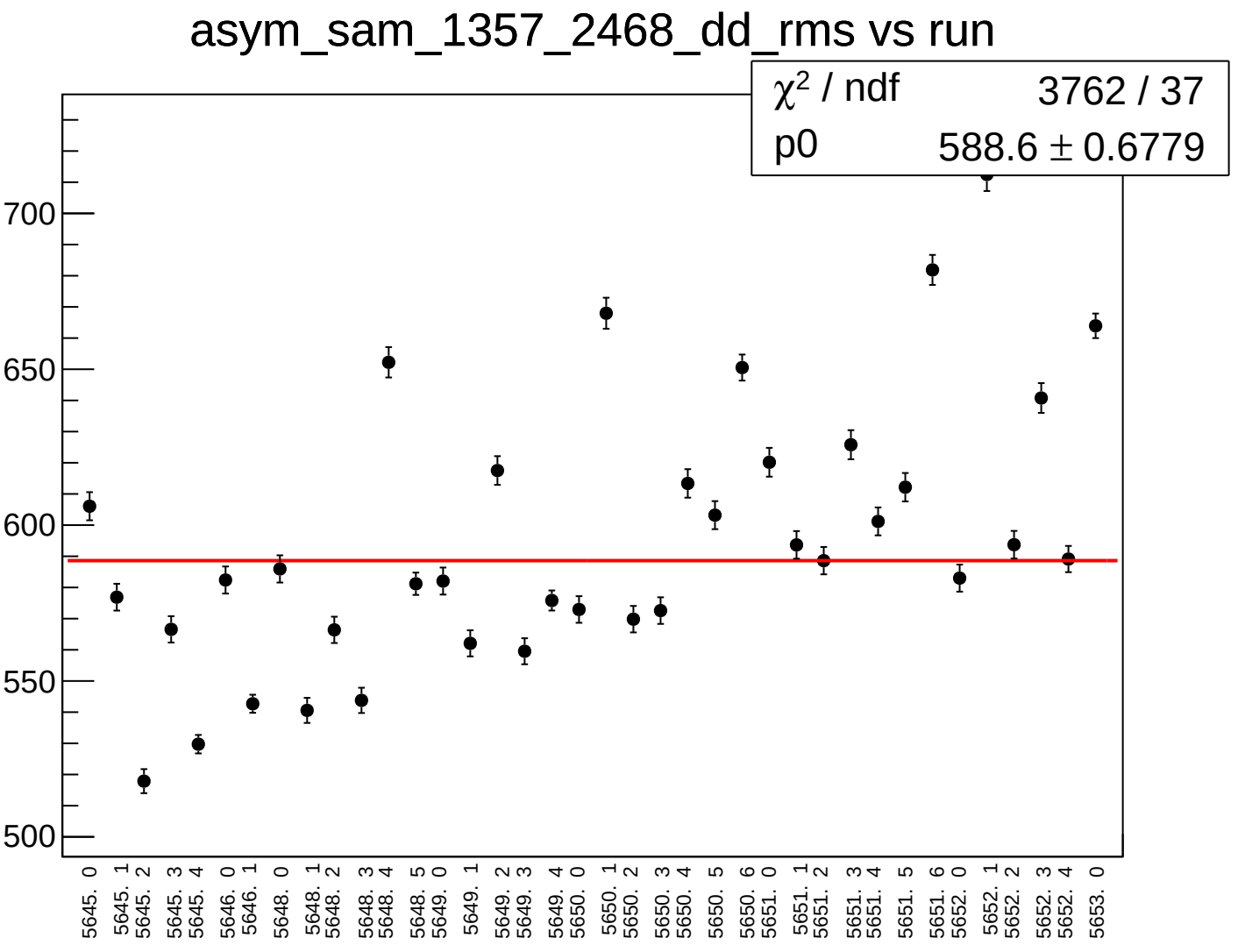

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.629e+04 / 37
p0 52.76 ± 0.06169
100
90
80
70
60
50
40
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

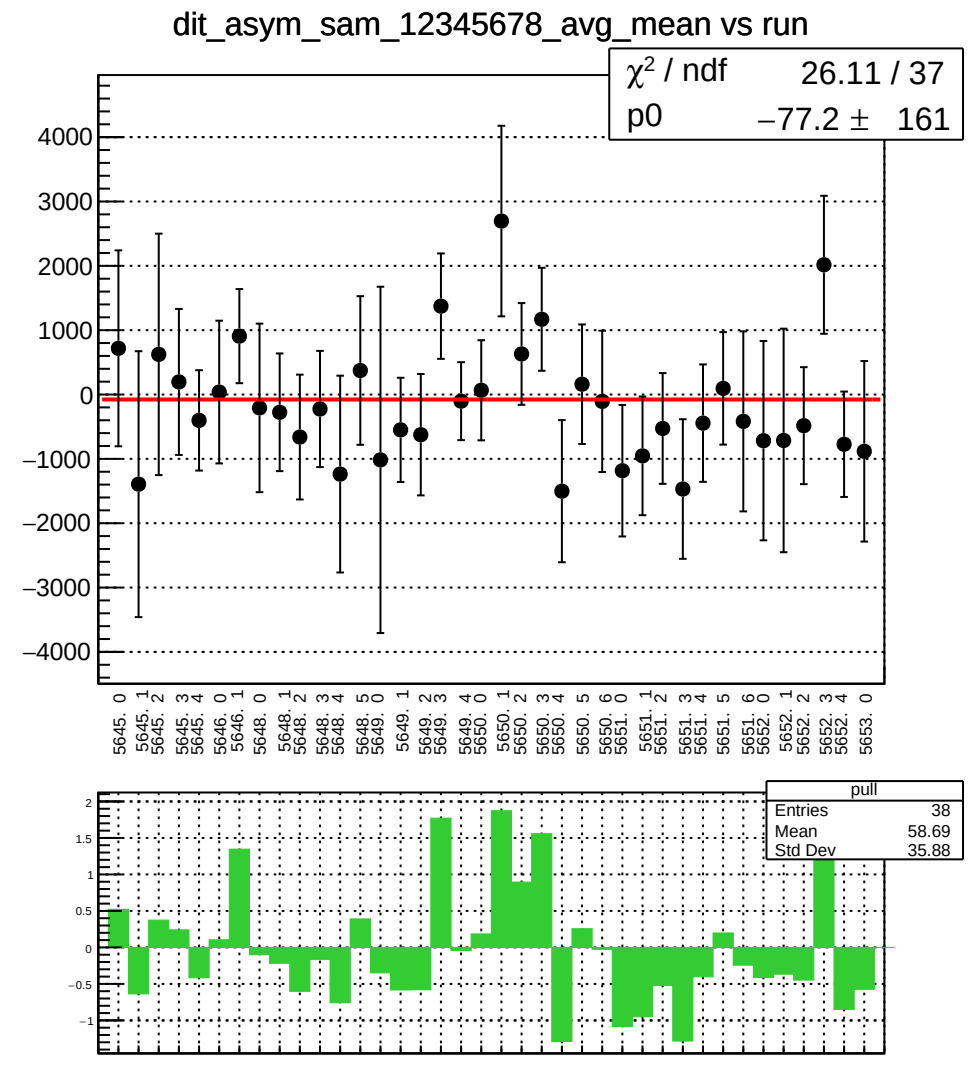

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 40.5 / 37
p0 −552 ± 952.5
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 15.33
Std Dev 27.85
2
1
0
−1
−2

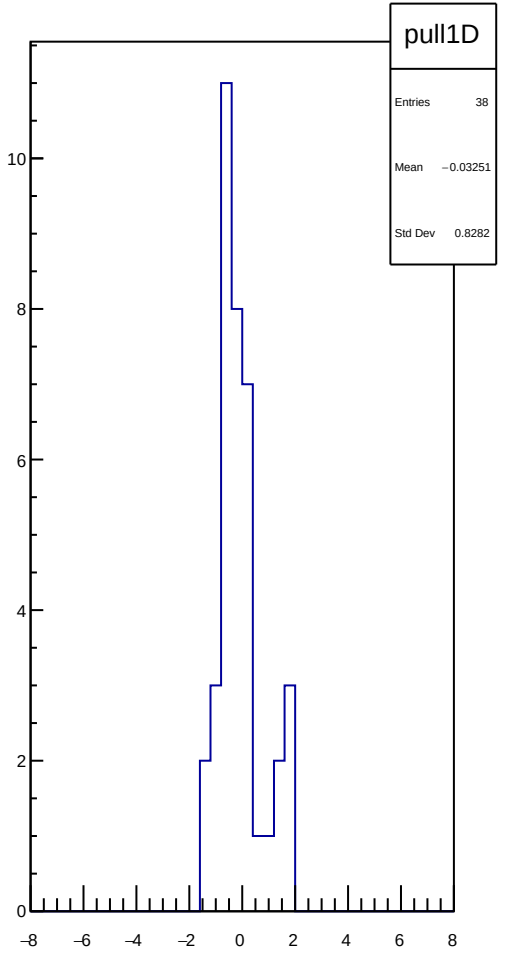

pull1D
Entries 38
Mean 0.04216
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

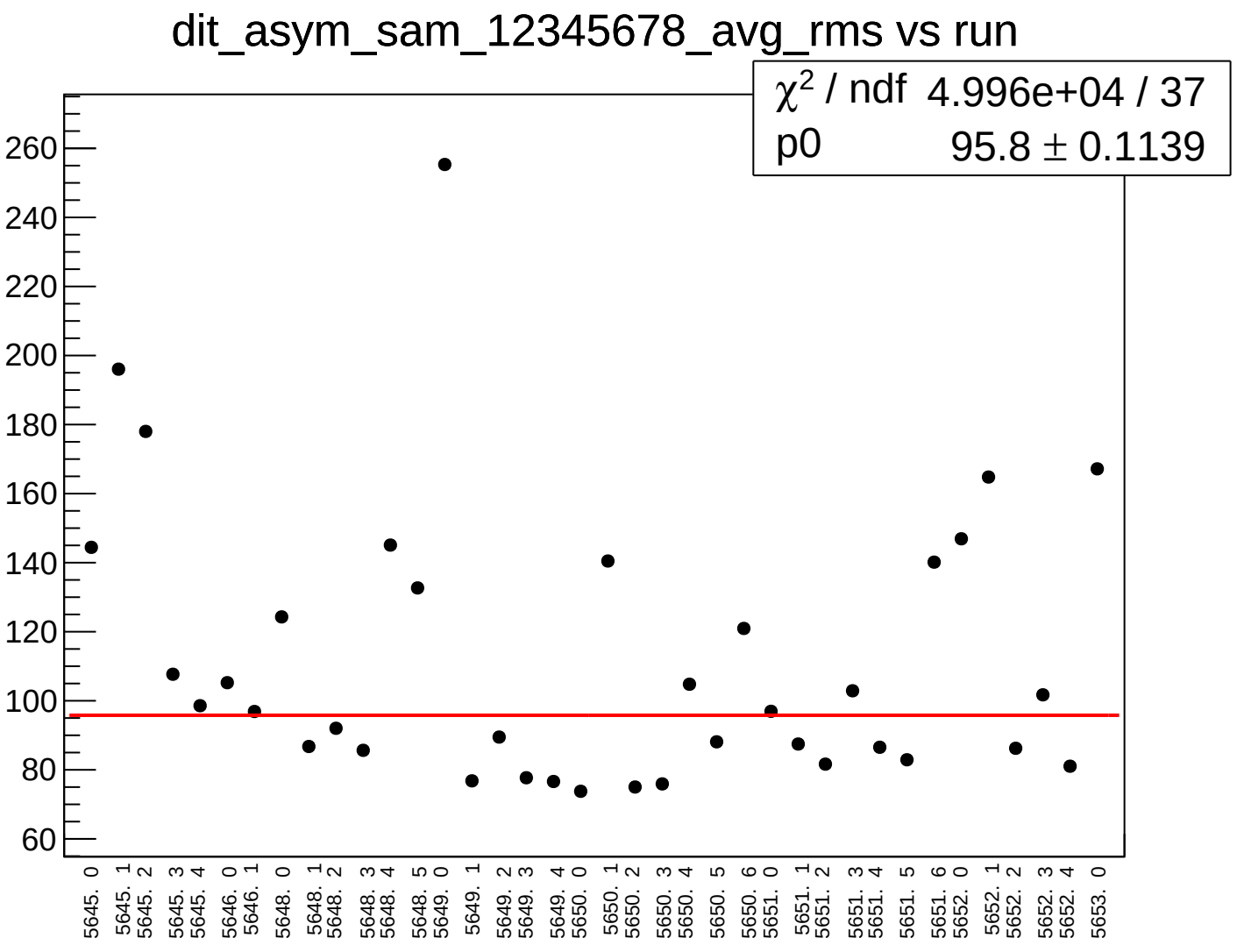

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2264 / 37
p0 585.4 ± 0.6735
680
660
640
620
600
580
560
540
520
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

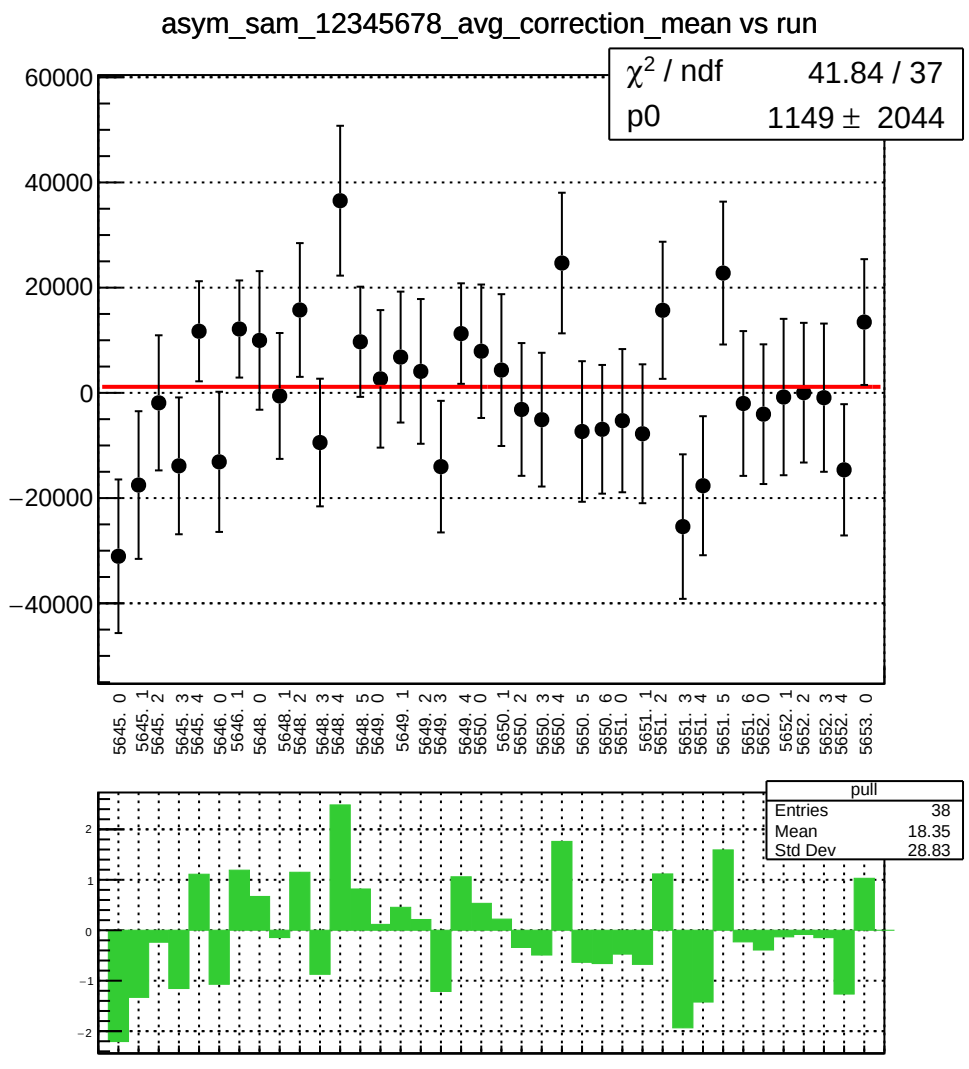

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 42.54 / 37
p0 540.9 ± 958.6
20000
10000
0
−10000
−20000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 8.809
Std Dev 29.02
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.03584
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

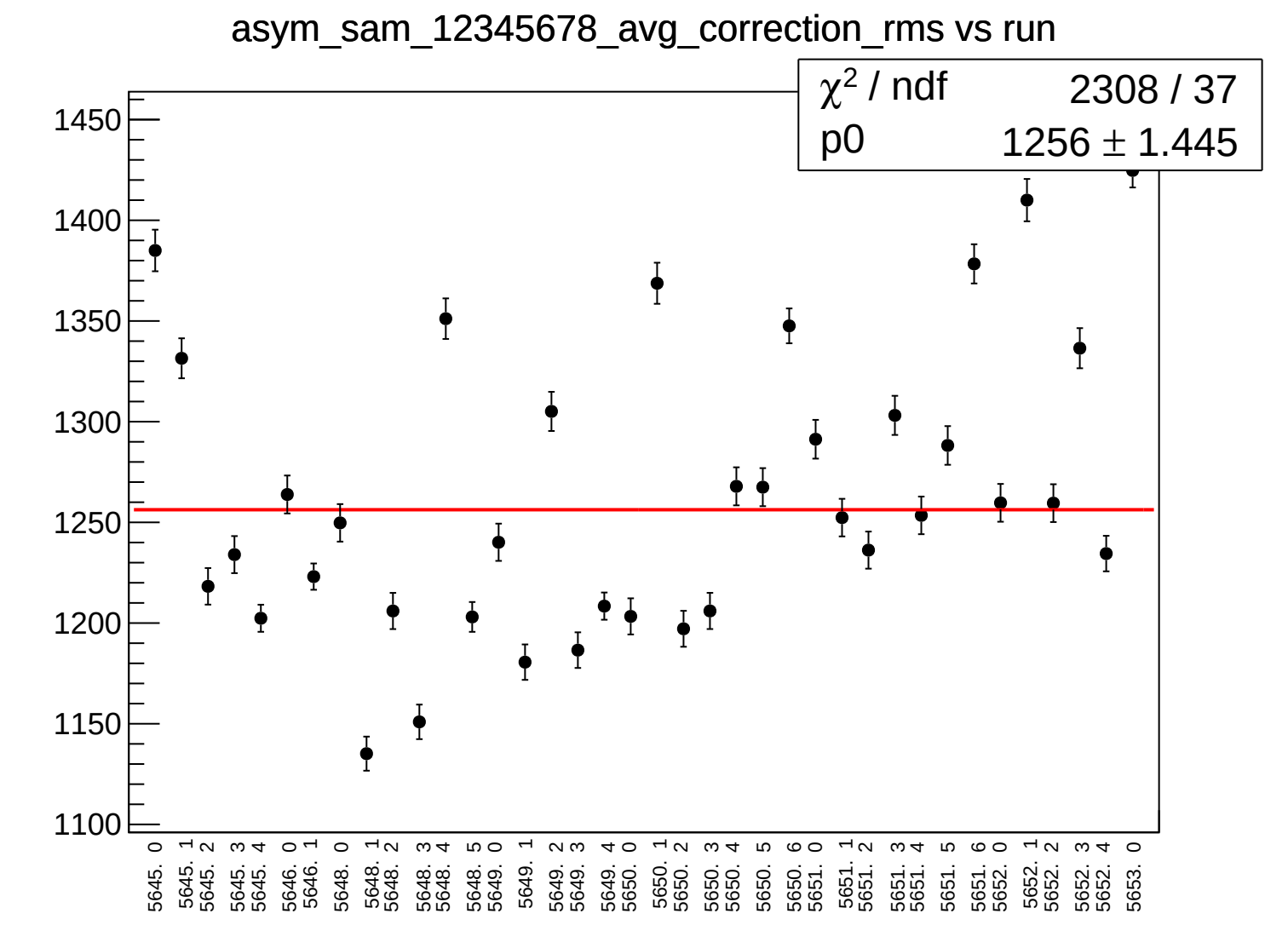

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3762 / 37
p0 588.6 ± 0.6779
700
650
600
550
500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

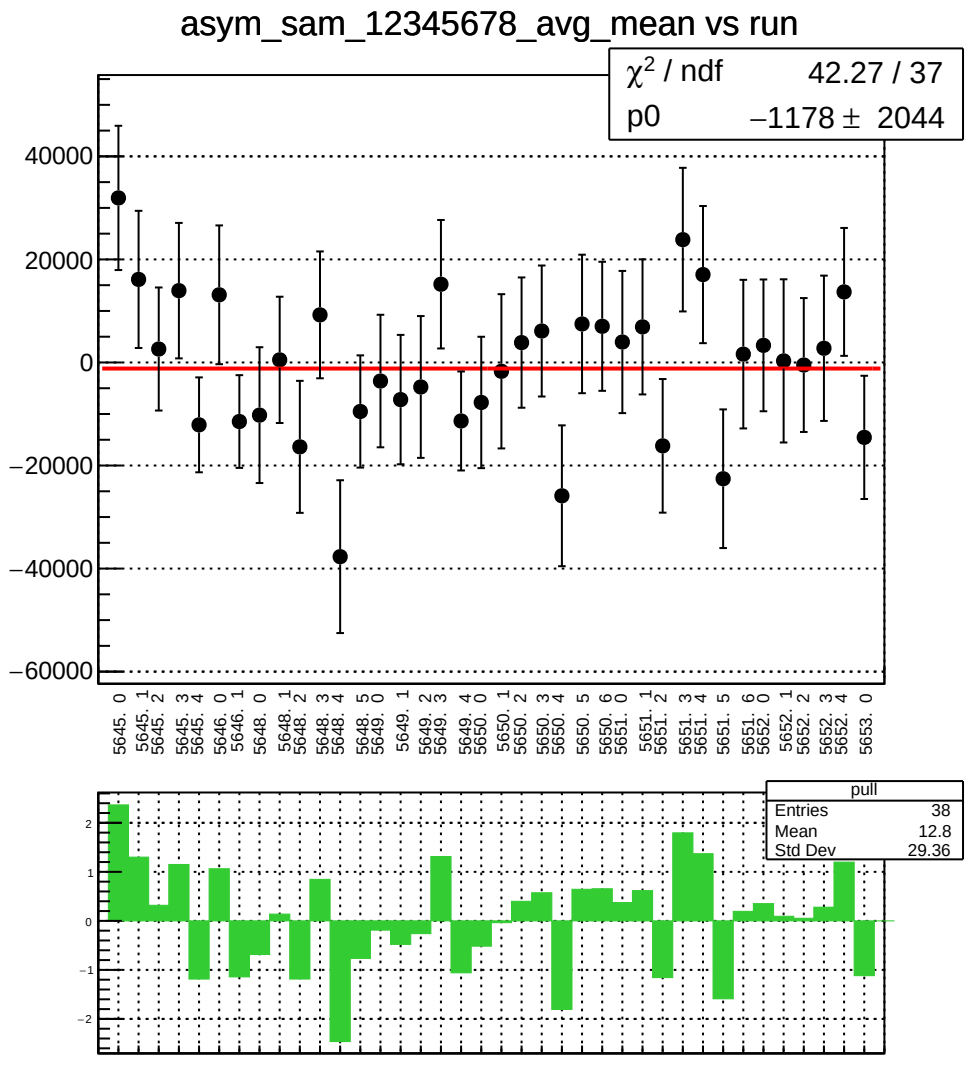

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 26.11 / 37
p0 −77.2 ± 161
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 58.69
Std Dev 35.88
2
1.5
1
0.5
0
−0.5
−1

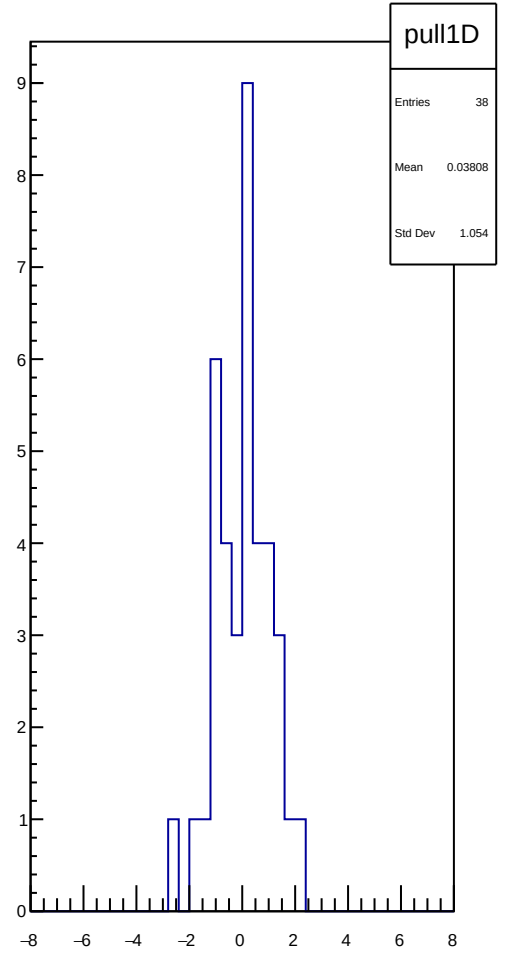

pull1D
Entries 38
Mean −0.03251
Std Dev 0.8282
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

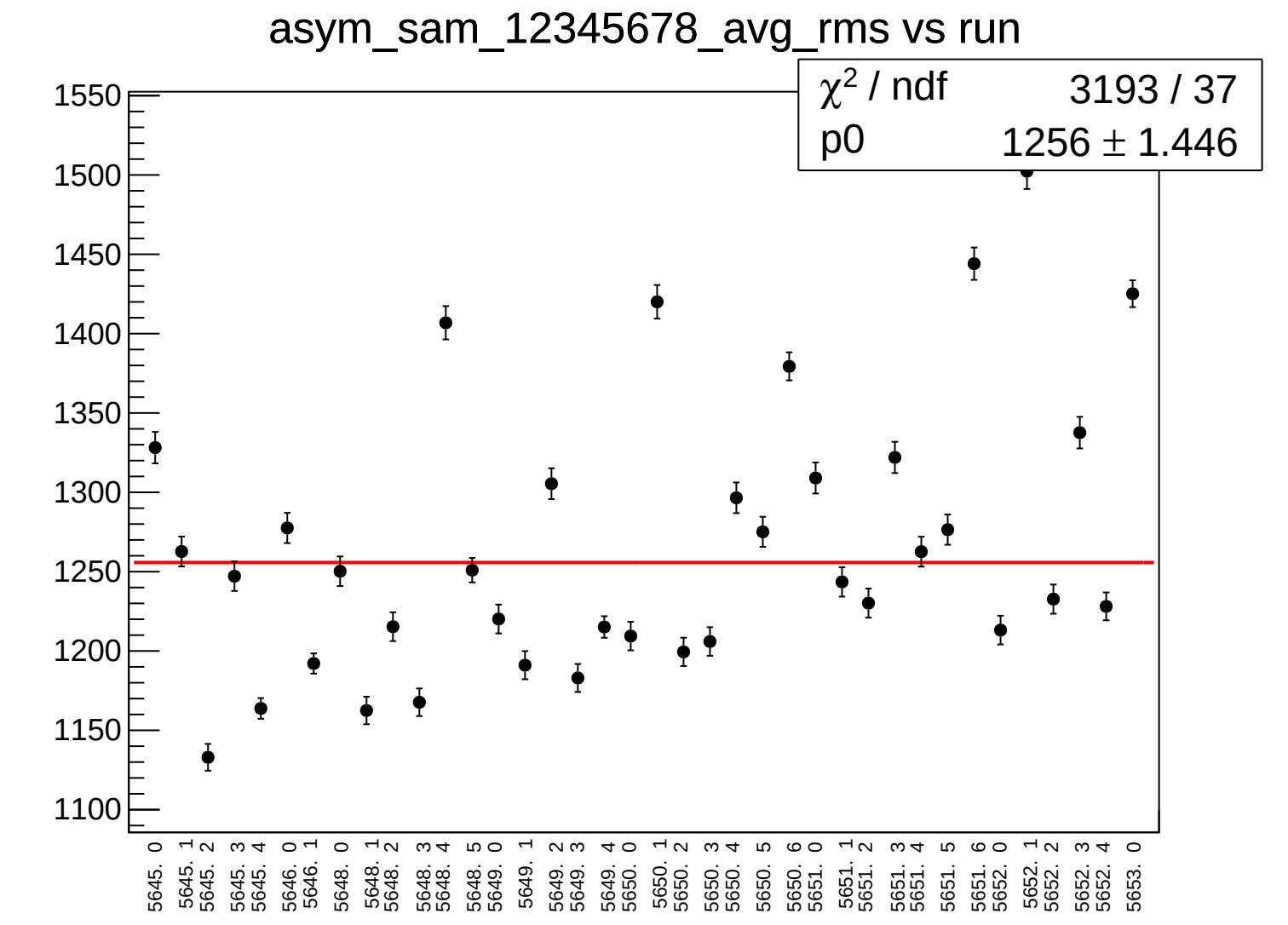

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.996e+04 / 37
p0 95.8 ± 0.1139
260
240
220
200
180
160
140
120
100
80
60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

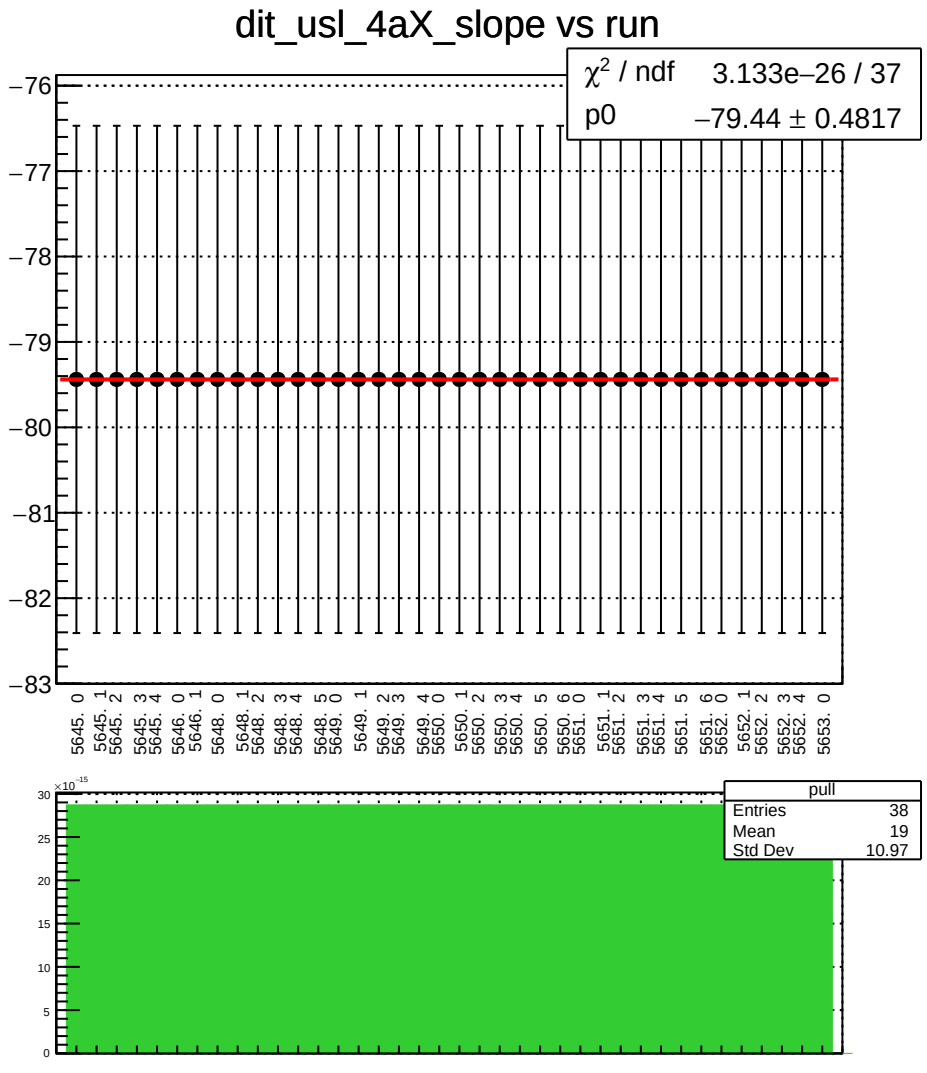

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 41.84 / 37
p0 1149 ± 2044
60000
40000
20000
0
−20000
−40000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 18.35
Std Dev 28.83
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.04195
Std Dev 1.048
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

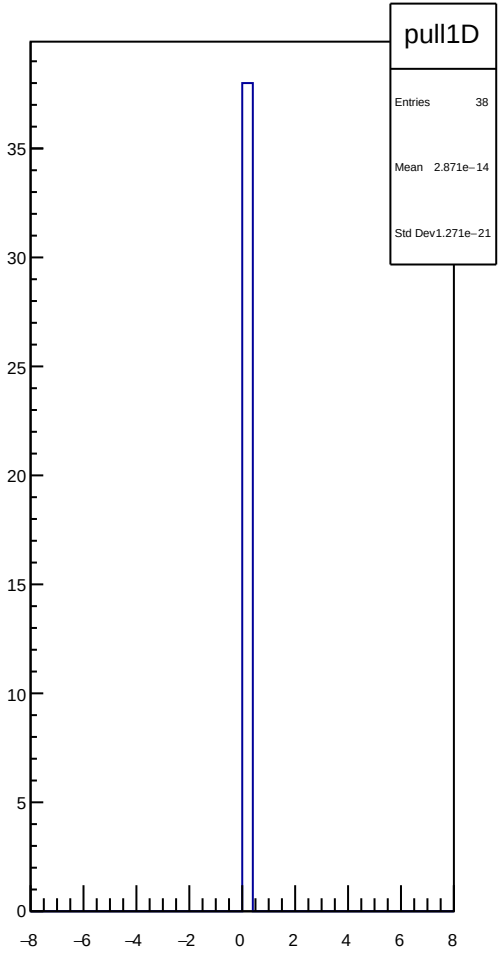

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2308 / 37
p0 1256 ± 1.445
1450
1400
1350
1300
1250
1200
1150
1100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

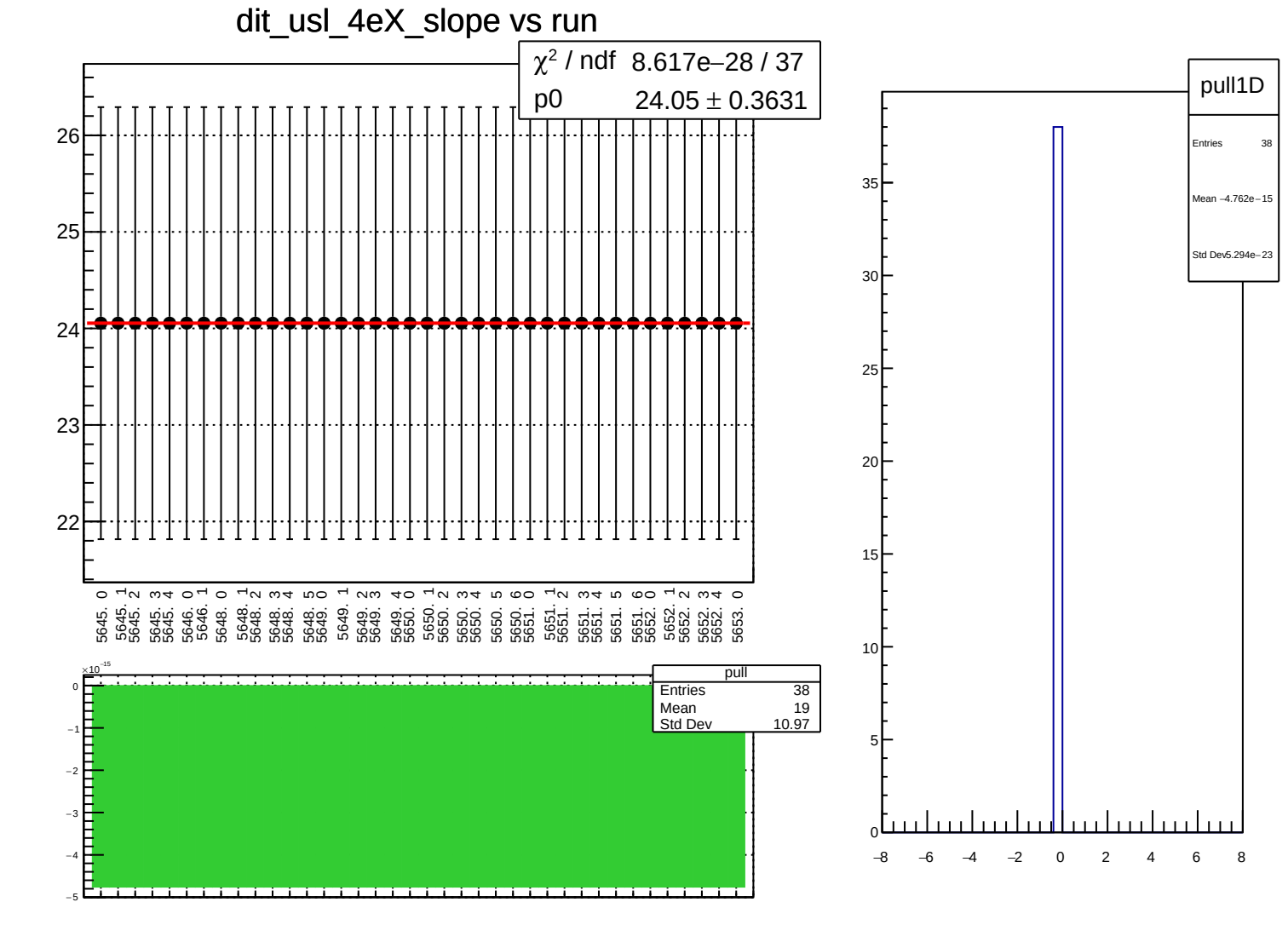

asym_sam_12345678_avg_mean vs run
χ² / ndf 42.27 / 37
p0 −1178 ± 2044
40000
20000
0
−20000
−40000
−60000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 12.8
Std Dev 29.36
2
1
0
−1
−2

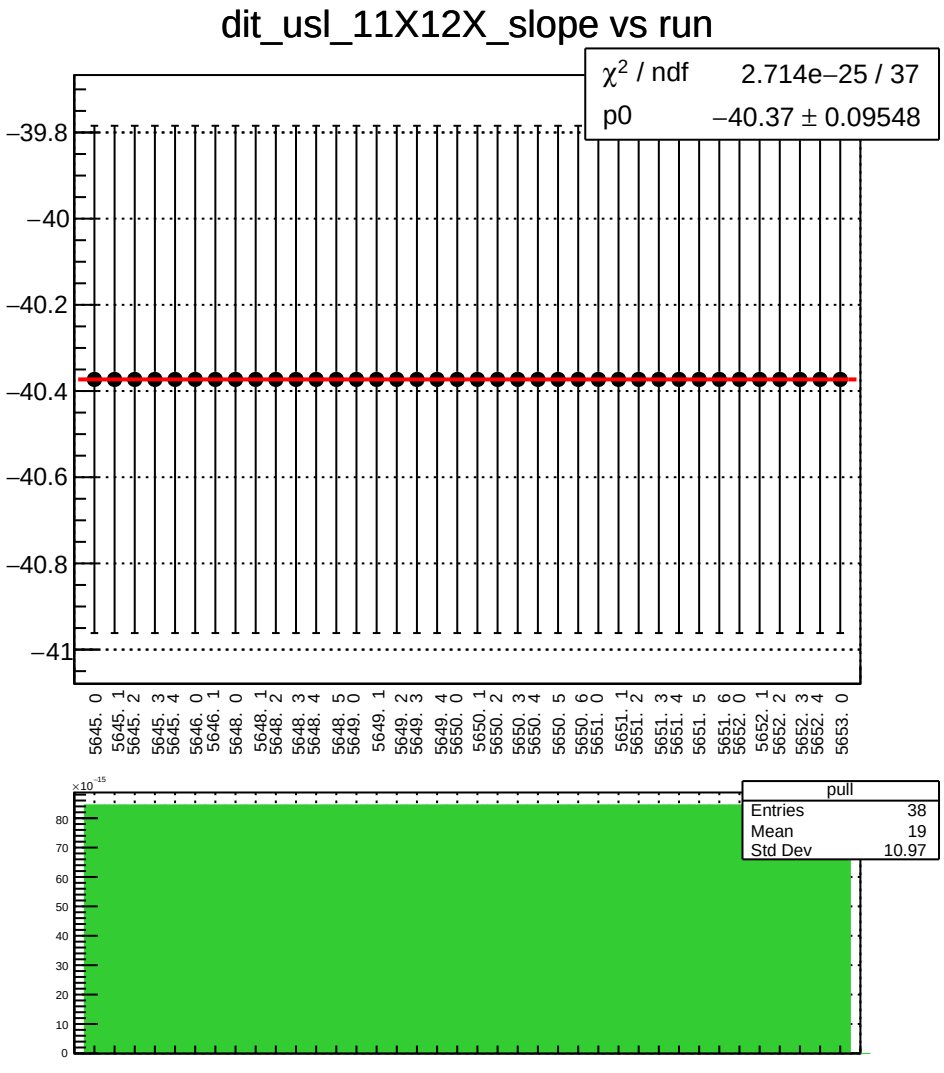

pull1D
Entries 38
Mean 0.03808
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

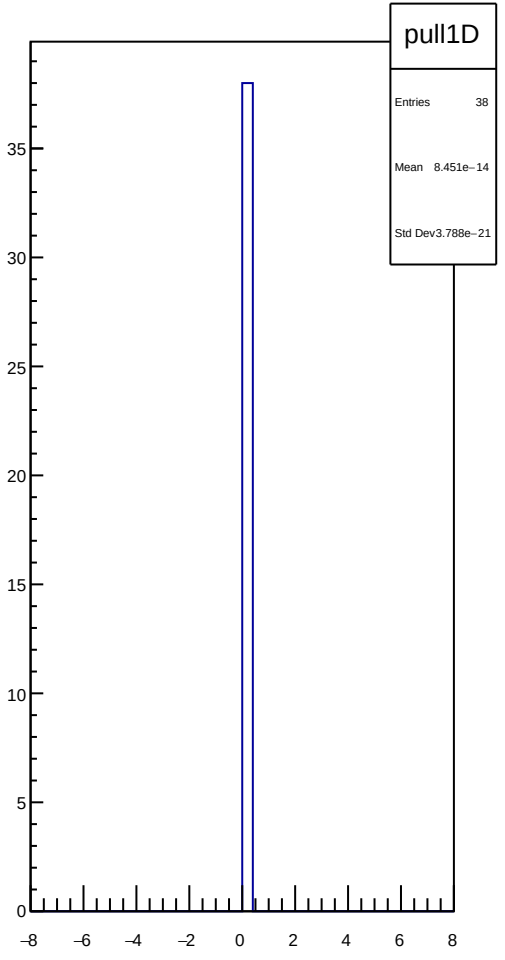

asym_sam_12345678_avg_rms vs run
χ² / ndf 3193 / 37
p0 1256 ± 1.446
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0

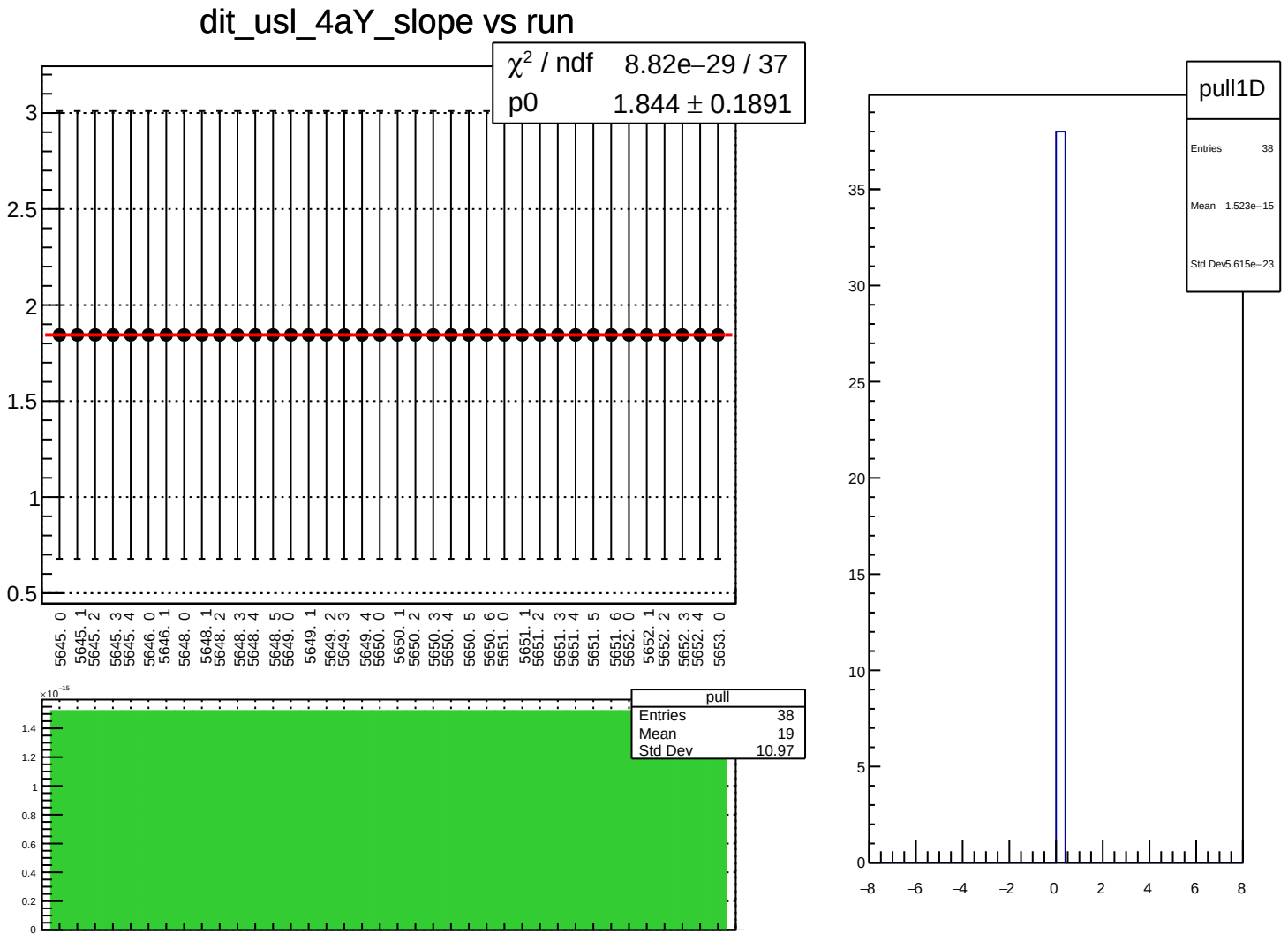

dit_usl_4aX_slope vs run
χ² / ndf 3.133e−26 / 37
p0 −79.44 ± 0.4817
−76
−77
−78
−79
−80
−81
−82
−83
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 38
Mean 19
Std Dev 10.97

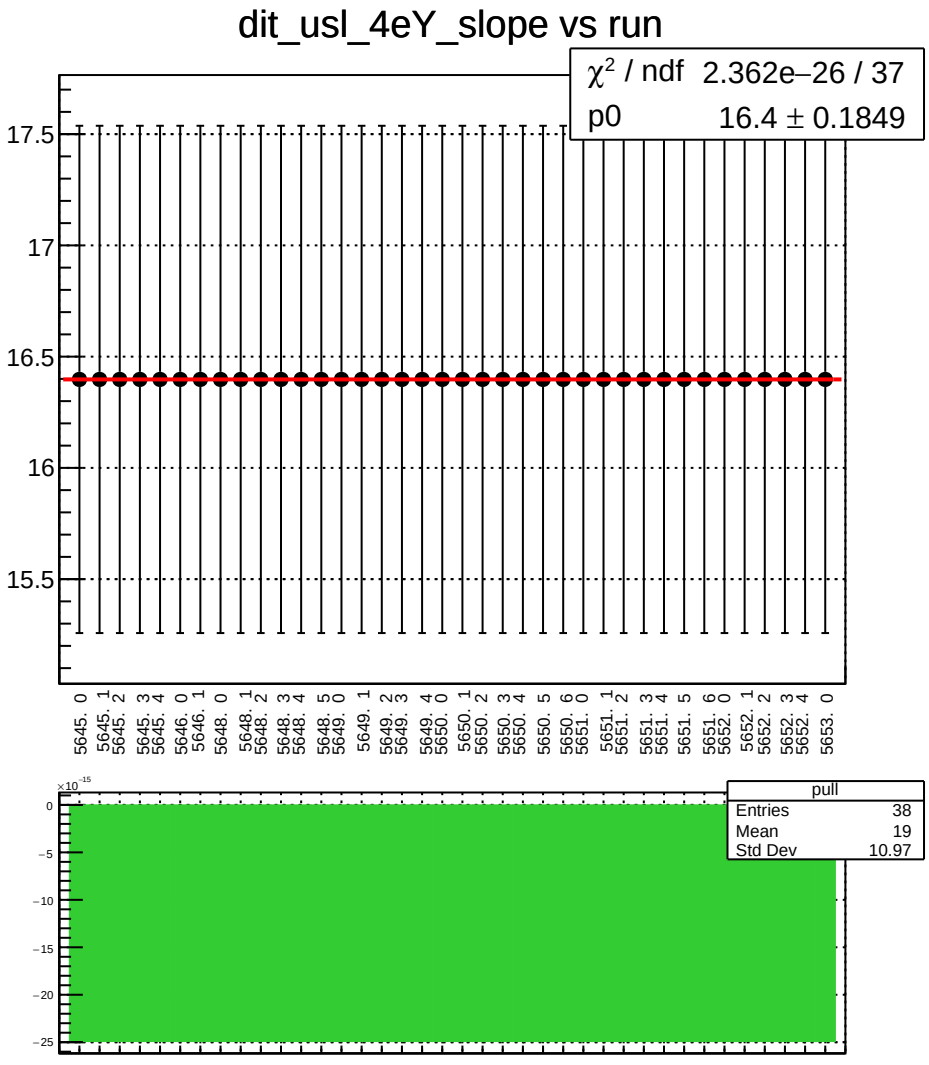

pull1D
Entries 38
Mean 2.871e−14
Std Dev1.271e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

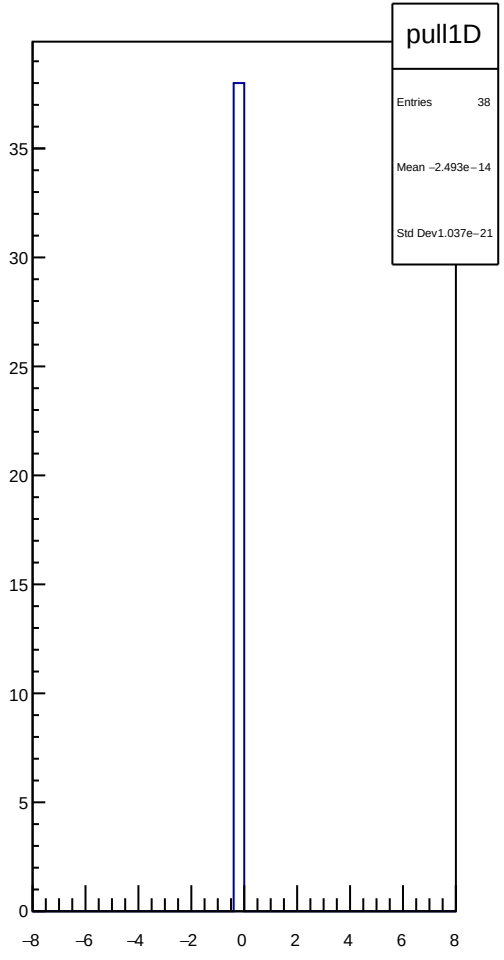

dit_usl_4eX_slope vs run
χ² / ndf 8.617e−28 / 37
p0 24.05 ± 0.3631
26
25
24
23
22
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −4.762e−15
Std Dev 5.294e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

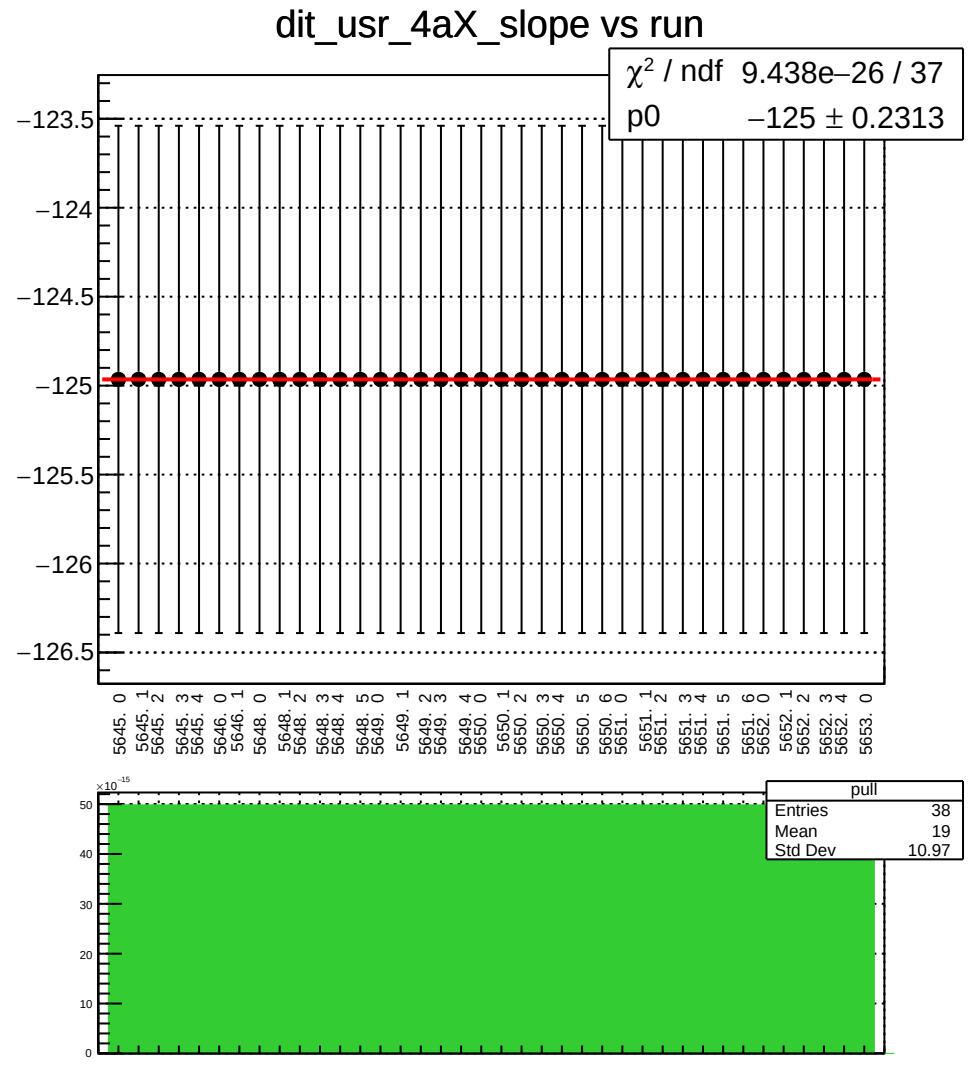

dit_usl_11X12X_slope vs run
χ² / ndf 2.714e−25 / 37
p0 −40.37 ± 0.09548
−39.8
−40
−40.2
−40.4
−40.6
−40.8
−41
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull
Entries 38
Mean 19
Std Dev 10.97

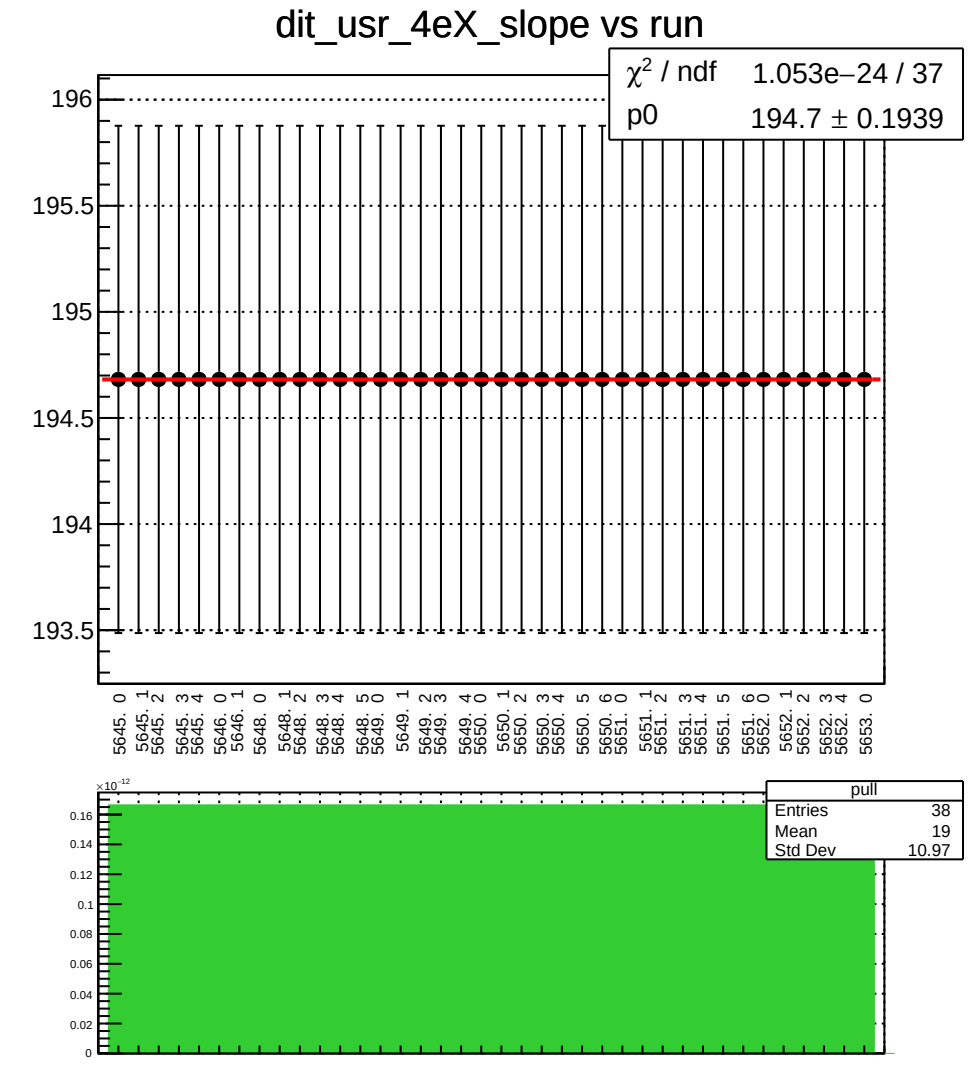

pull1D
Entries 38
Mean 8.451e−14
Std Dev3.788e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

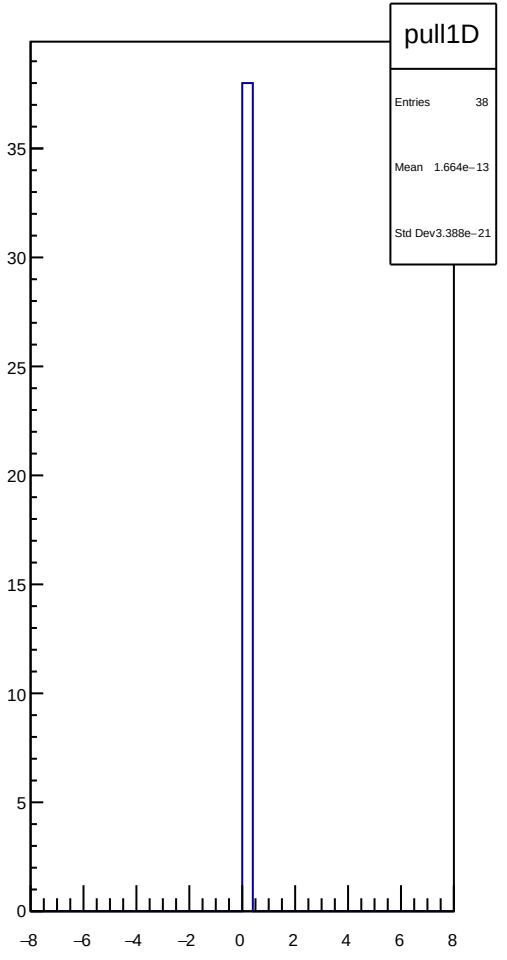

dit_usl_4aY_slope vs run
χ² / ndf 8.82e−29 / 37
p0 1.844 ± 0.1891
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean 1.523e−15
Std Dev 5.615e−23

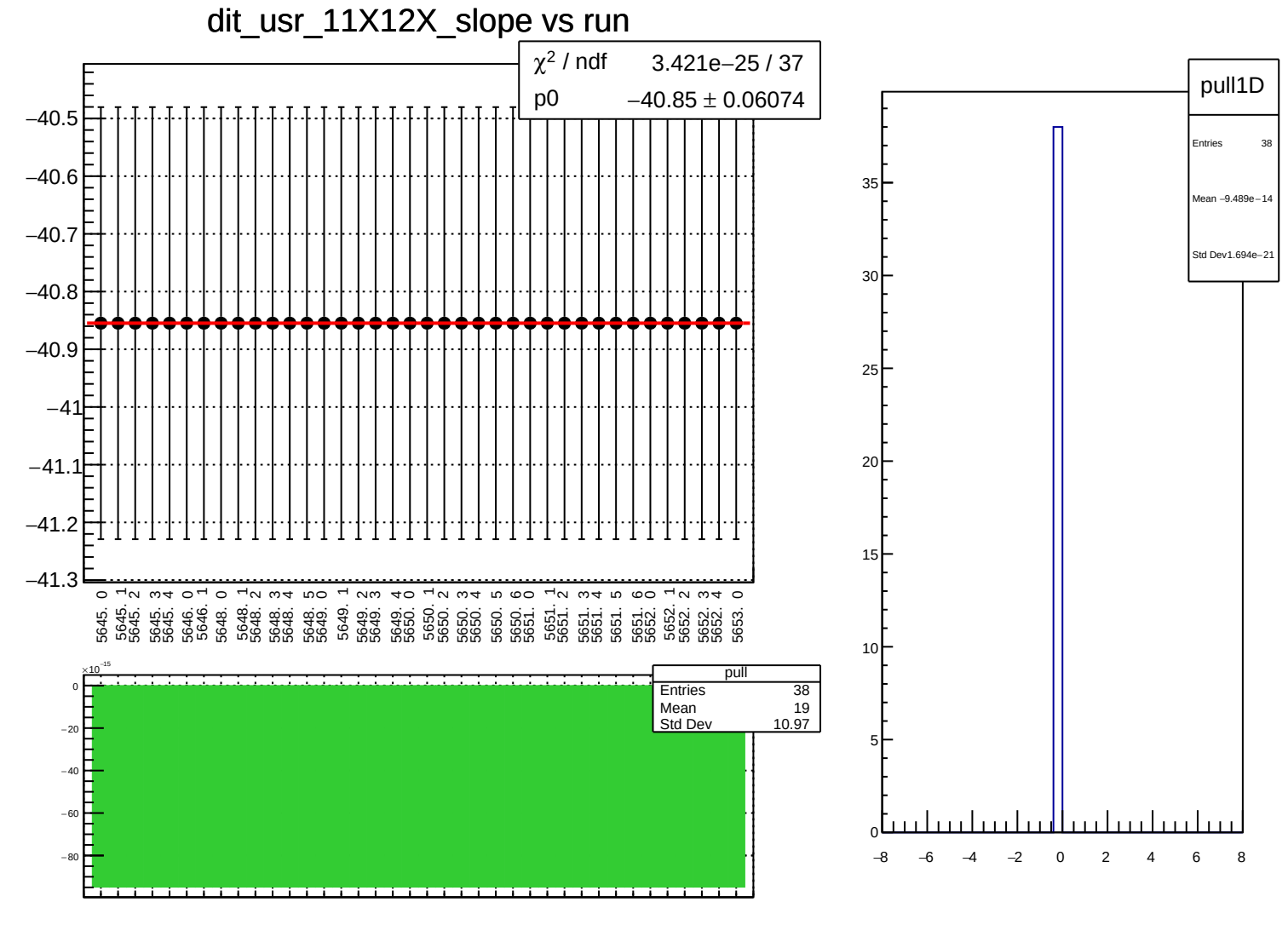

dit_usl_4eY_slope vs run
χ² / ndf 2.362e−26 / 37
p0 16.4 ± 0.1849
17.5
17
16.5
16
15.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 38
Mean 19
Std Dev 10.97

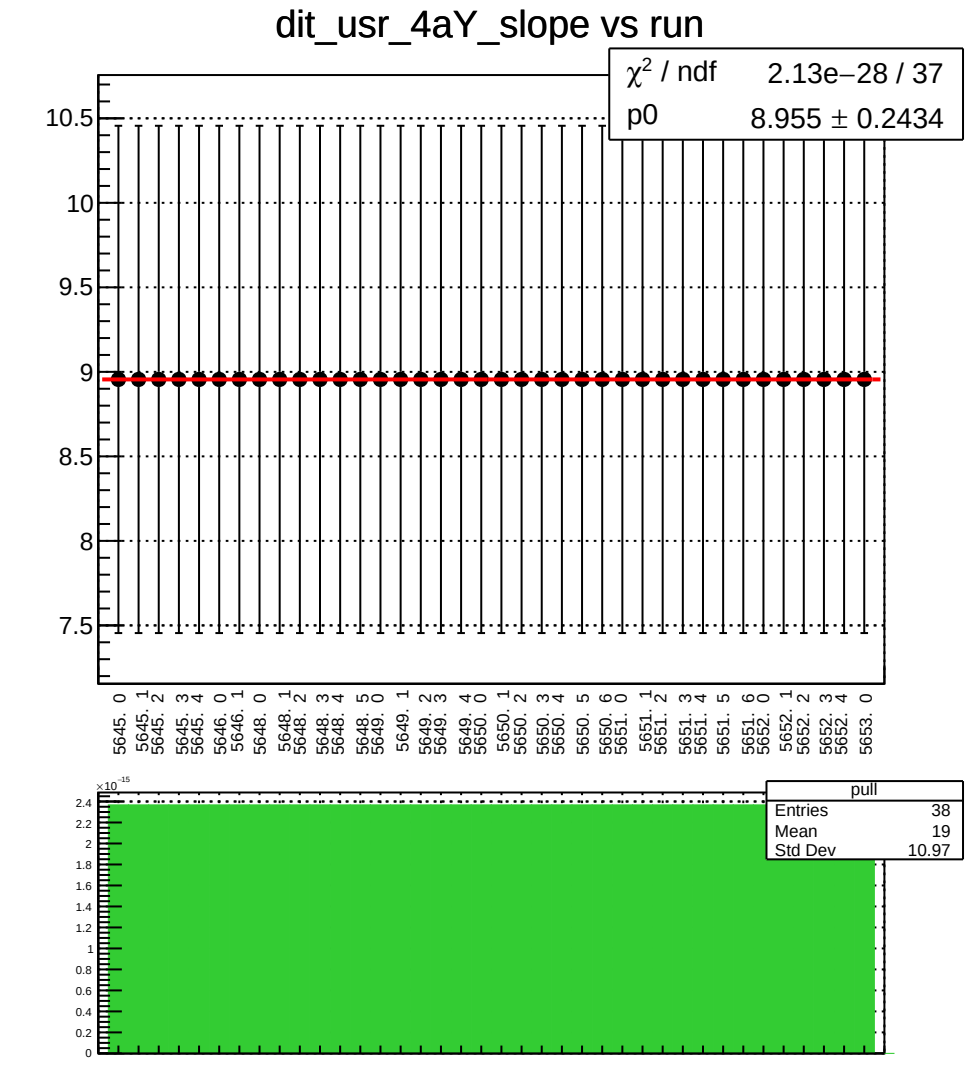

pull1D
Entries 38
Mean −2.493e−14
Std Dev1.037e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

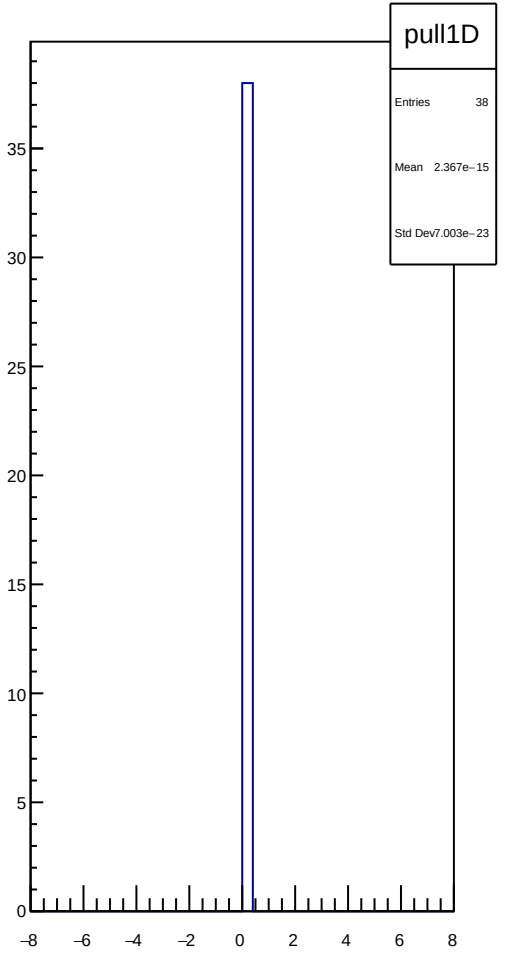

dit_usr_4aX_slope vs run
χ² / ndf 9.438e−26 / 37
p0 −125 ± 0.2313
−123.5
−124
−124.5
−125
−125.5
−126
−126.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean 4.984e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

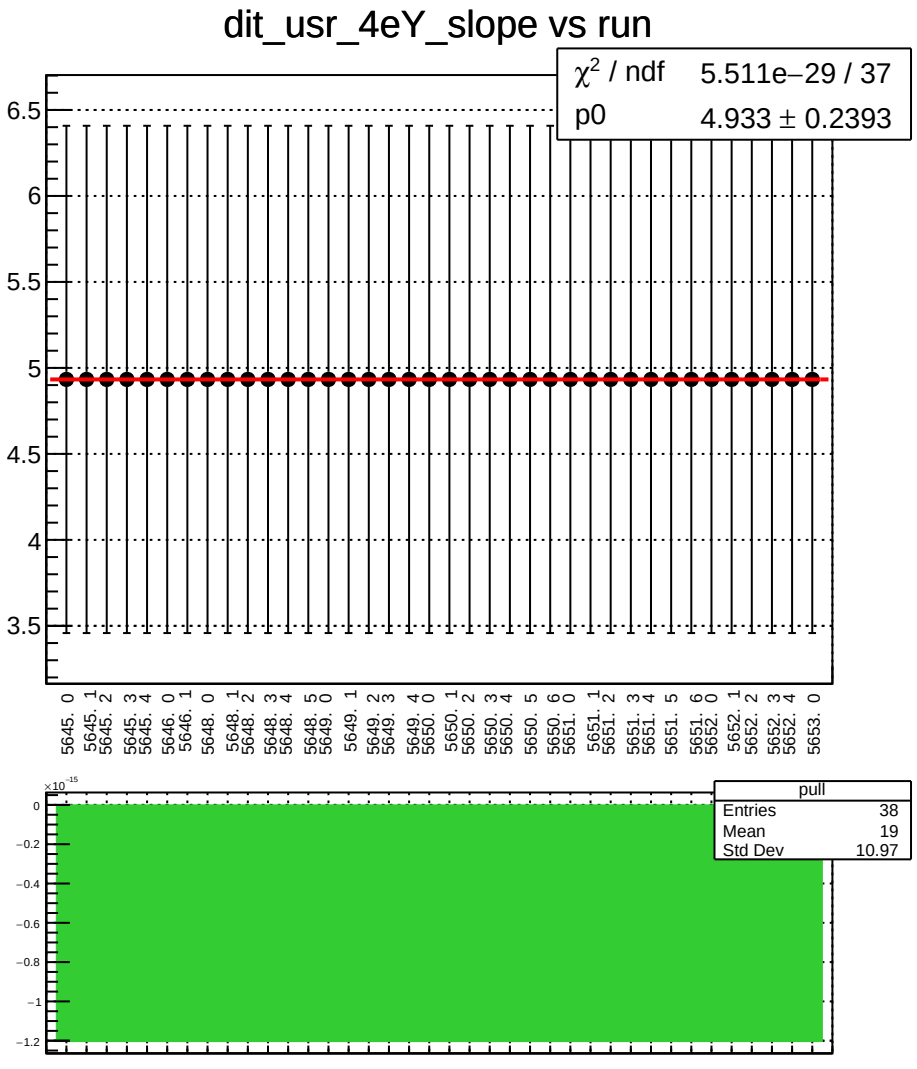

dit_usr_4eX_slope vs run
χ² / ndf 1.053e−24 / 37
p0 194.7 ± 0.1939
196
195.5
195
194.5
194
193.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 38
Mean 19
Std Dev 10.97

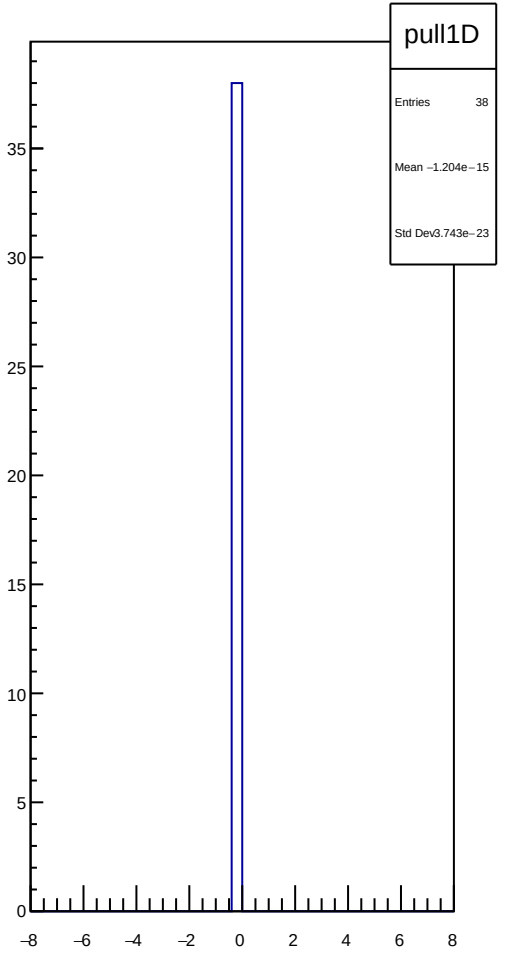

pull1D
Entries 38
Mean 1.664e−13
Std Dev3.388e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

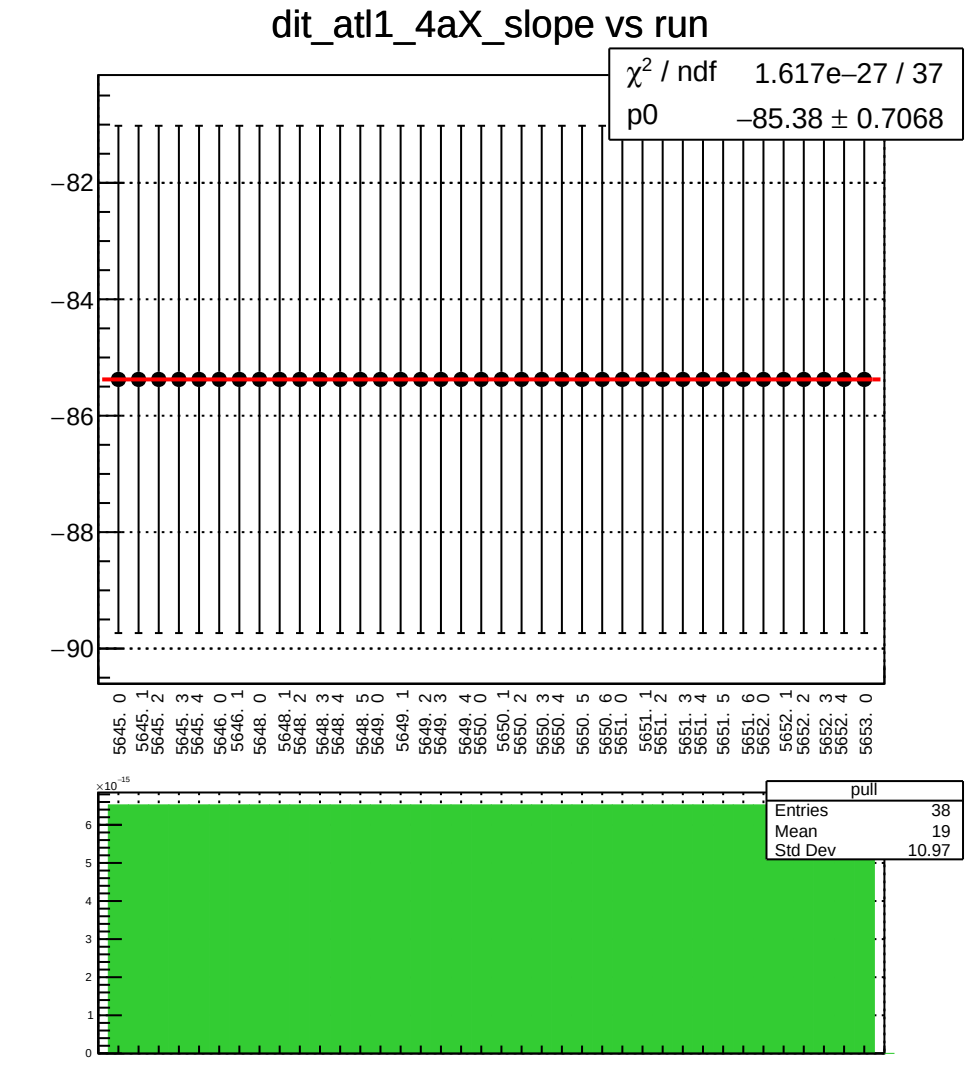

dit_usr_11X12X_slope vs run
χ² / ndf 3.421e−25 / 37
p0 −40.85 ± 0.06074
−40.5
−40.6
−40.7
−40.8
−40.9
−41
−41.1
−41.2
−41.3
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−20
−40
−60
−80
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −9.489e−14
Std Dev1.694e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

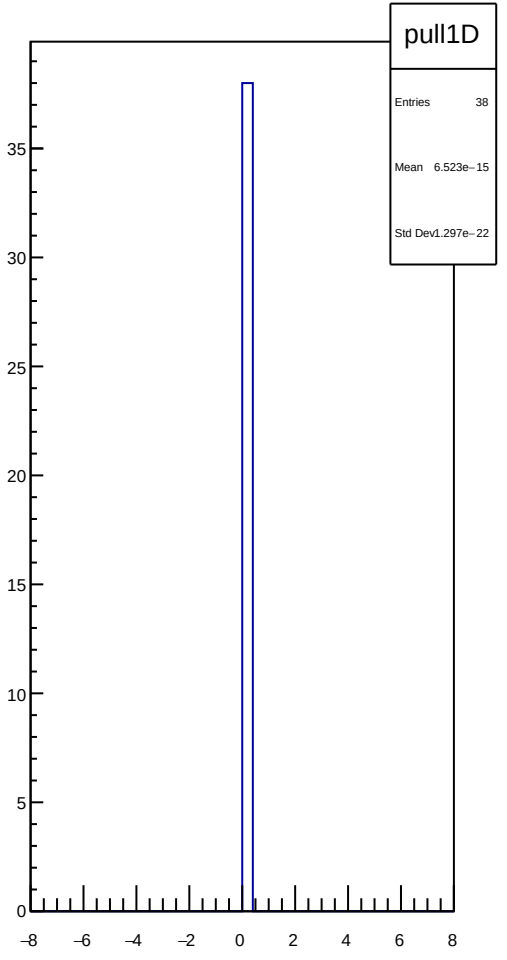

dit_usr_4aY_slope vs run
χ² / ndf 2.13e−28 / 37
p0 8.955 ± 0.2434
10.5
10
9.5
9
8.5
8
7.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 38
Mean 19
Std Dev 10.97

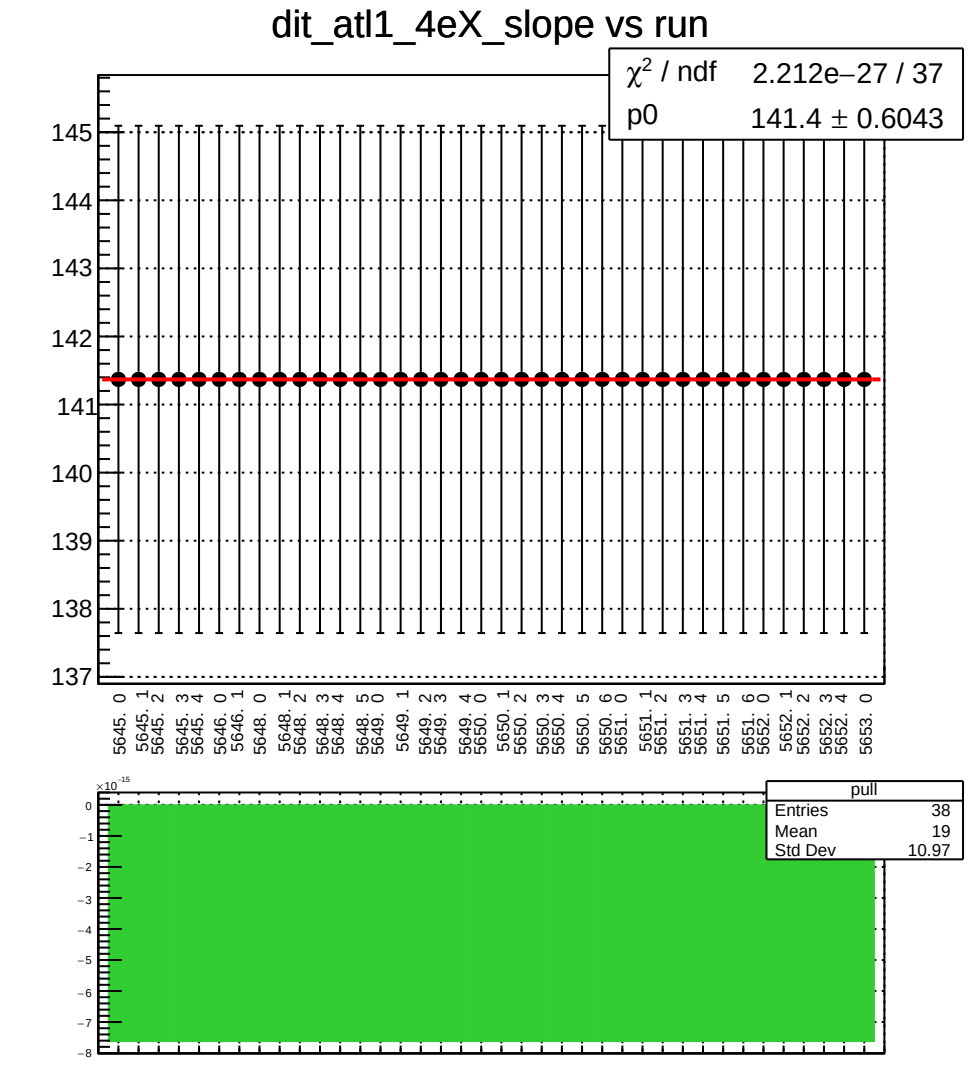

pull1D
Entries 38
Mean 2.367e−15
Std Dev7.003e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

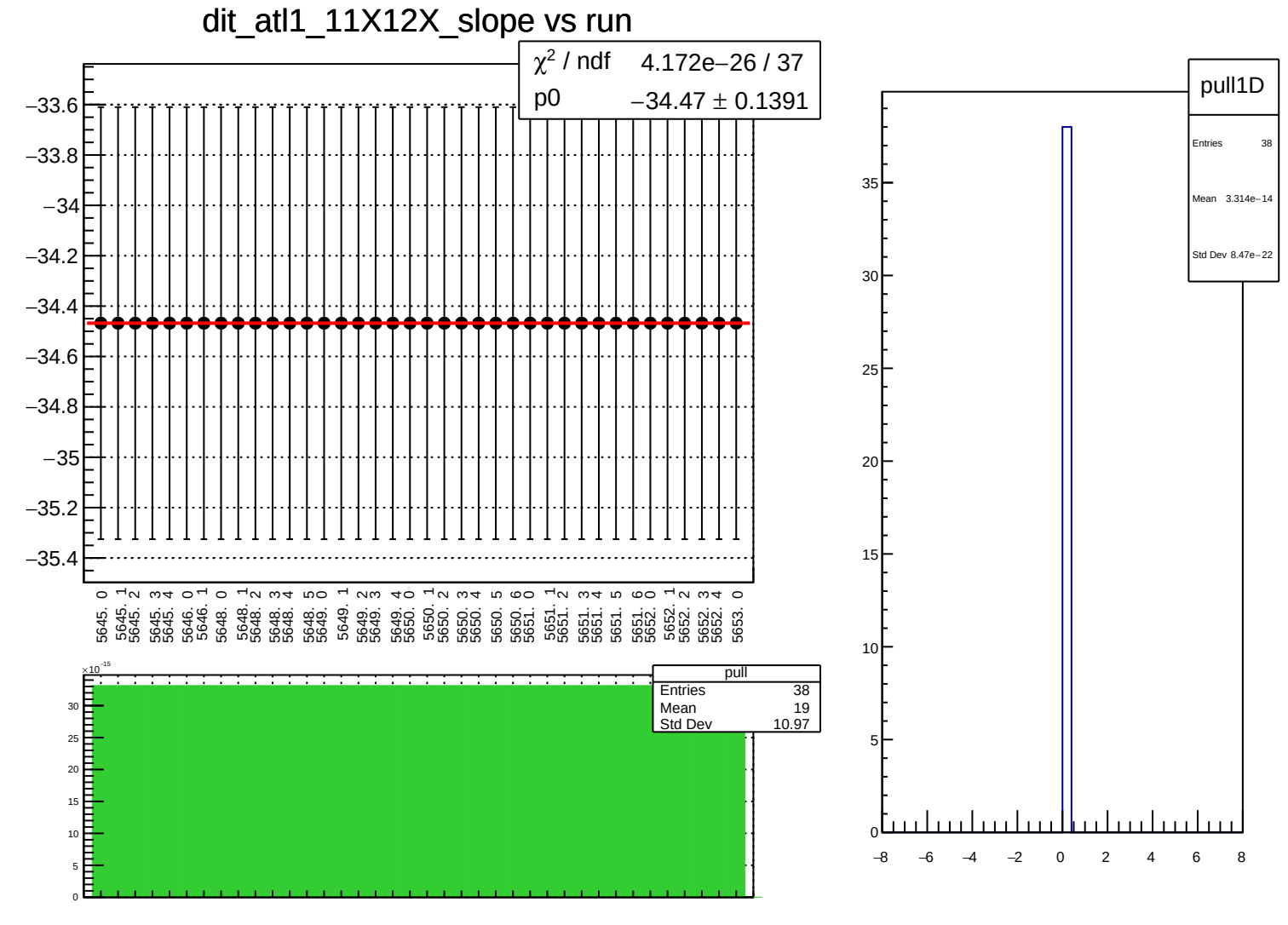

dit_usr_4eY_slope vs run
χ² / ndf 5.511e−29 / 37
p0 4.933 ± 0.2393
6.5
6
5.5
5
4.5
4
3.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull
Entries 38
Mean 19
Std Dev 10.97

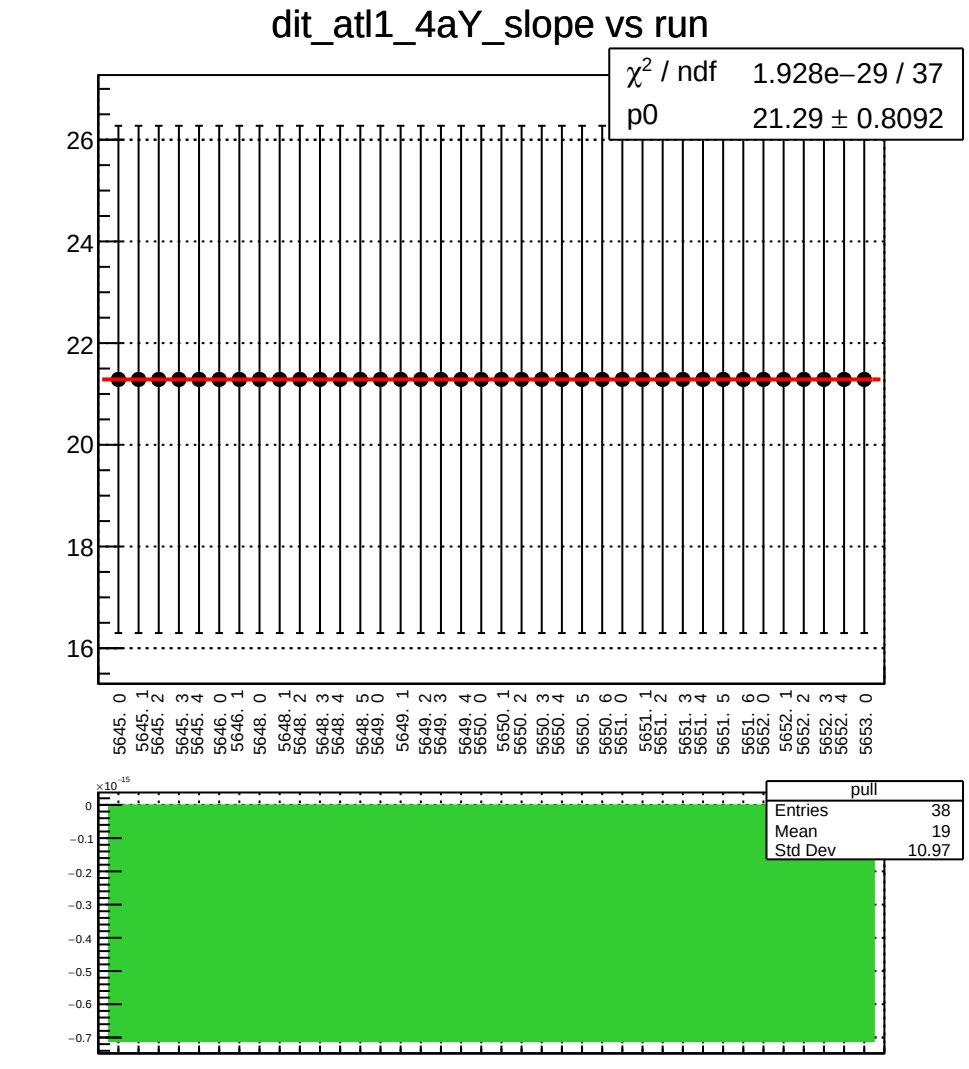

pull1D
Entries 38
Mean −1.204e−15
Std Dev3.743e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

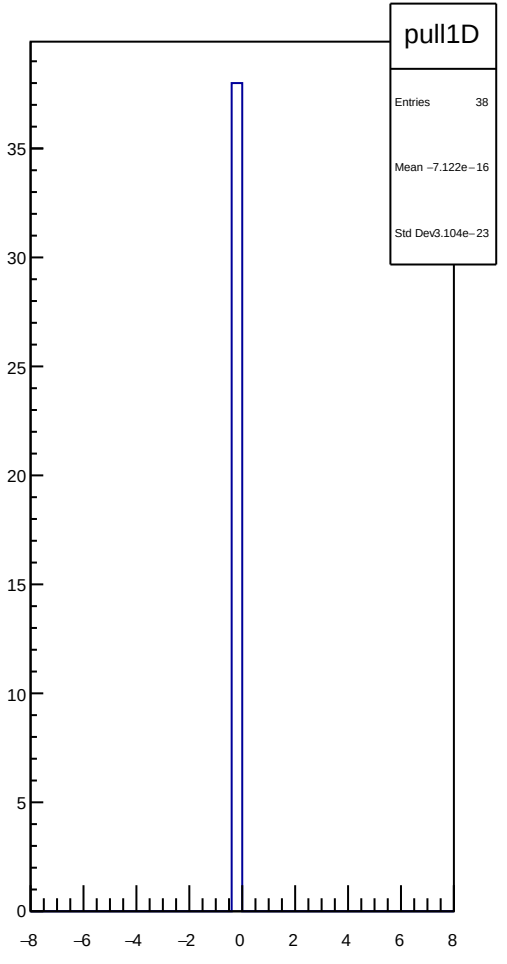

dit_atl1_4aX_slope vs run
χ² / ndf 1.617e−27 / 37
p0 −85.38 ± 0.7068
−82
−84
−86
−88
−90
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
6
5
4
3
2
1
0
pull
Entries 38
Mean 19
Std Dev 10.97

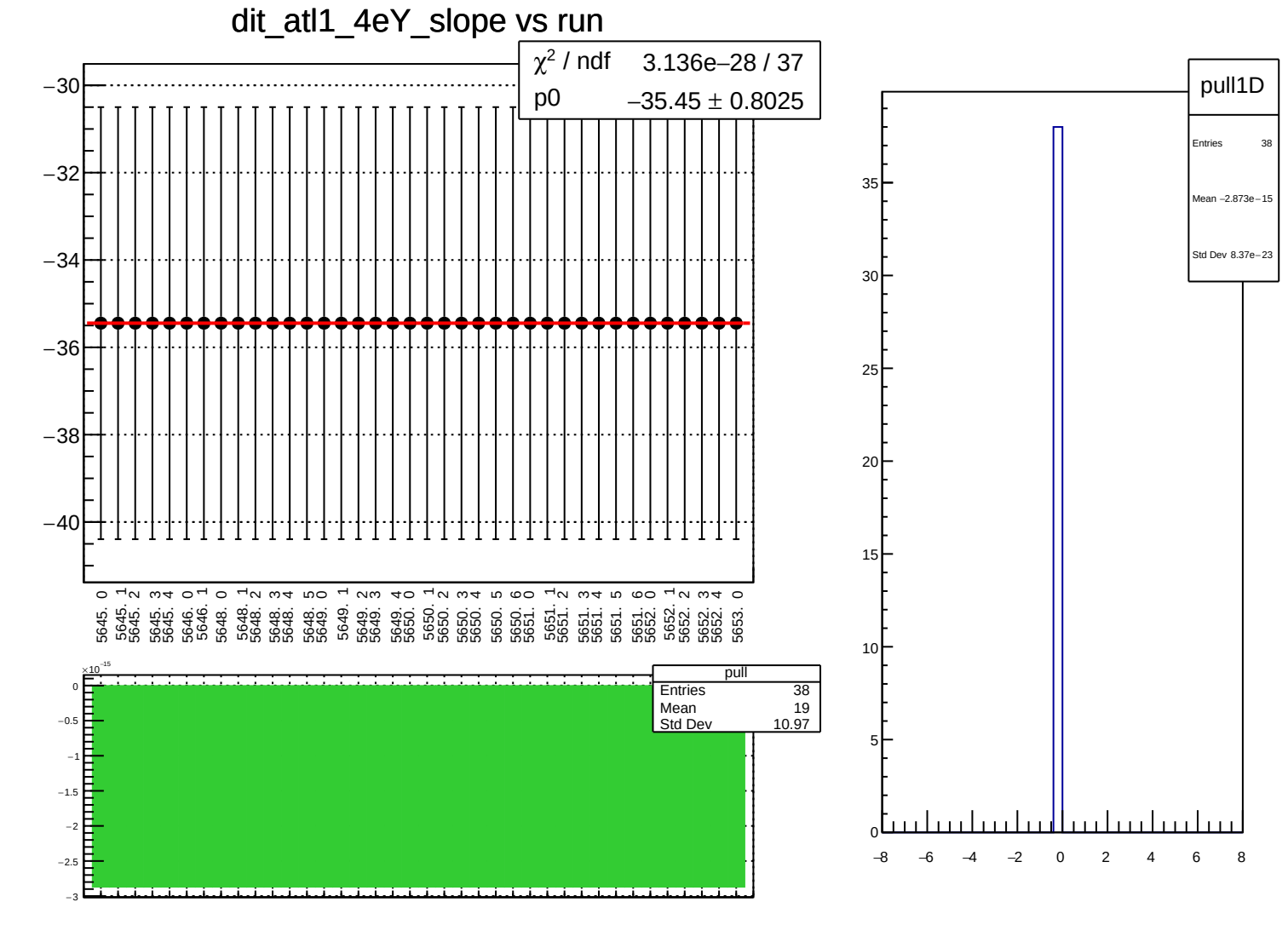

pull1D
Entries 38
Mean 6.523e−15
Std Dev1.297e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

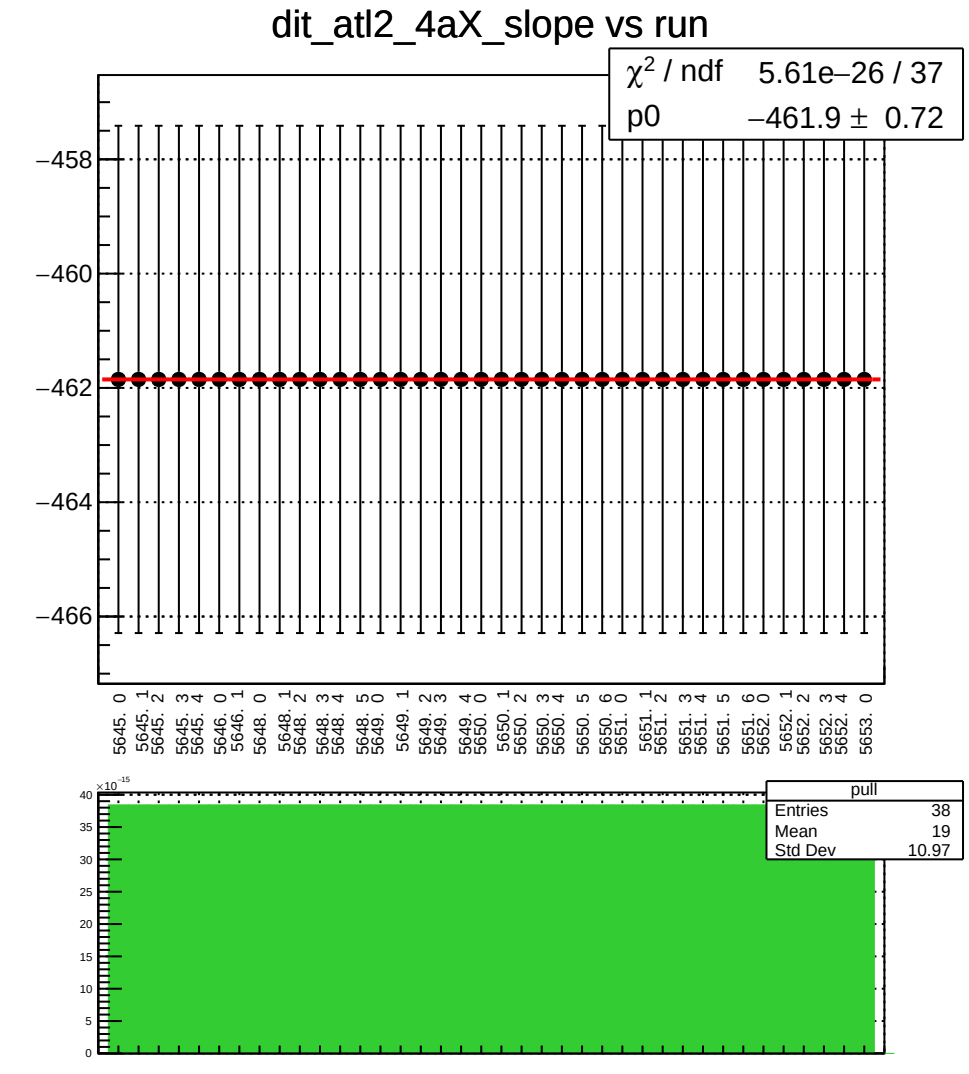

dit_atl1_4eX_slope vs run
χ² / ndf 2.212e−27 / 37
p0 141.4 ± 0.6043
145
144
143
142
141
140
139
138
137
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −7.629e−15
Std Dev2.118e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

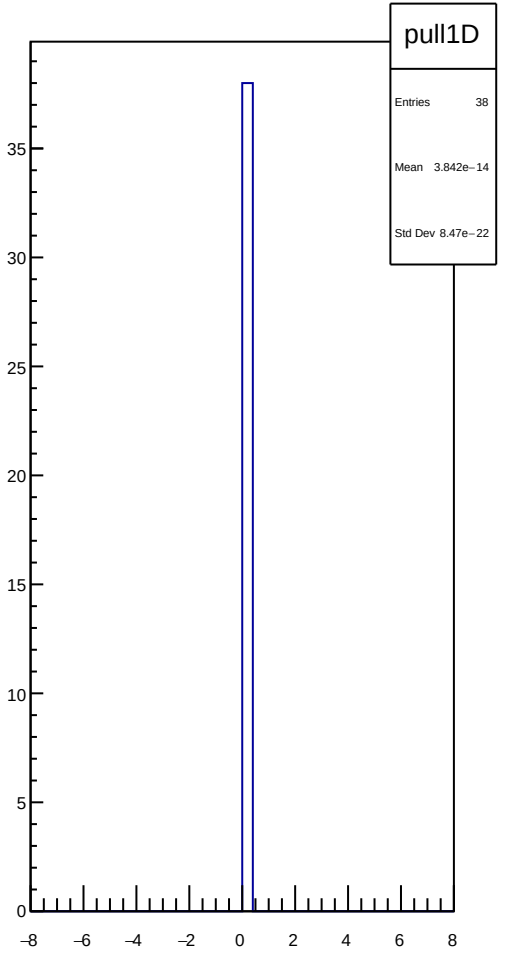

dit_atl1_11X12X_slope vs run
χ² / ndf 4.172e−26 / 37
p0 −34.47 ± 0.1391
−33.6
−33.8
−34
−34.2
−34.4
−34.6
−34.8
−35
−35.2
−35.4
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean 3.314e−14
Std Dev 8.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

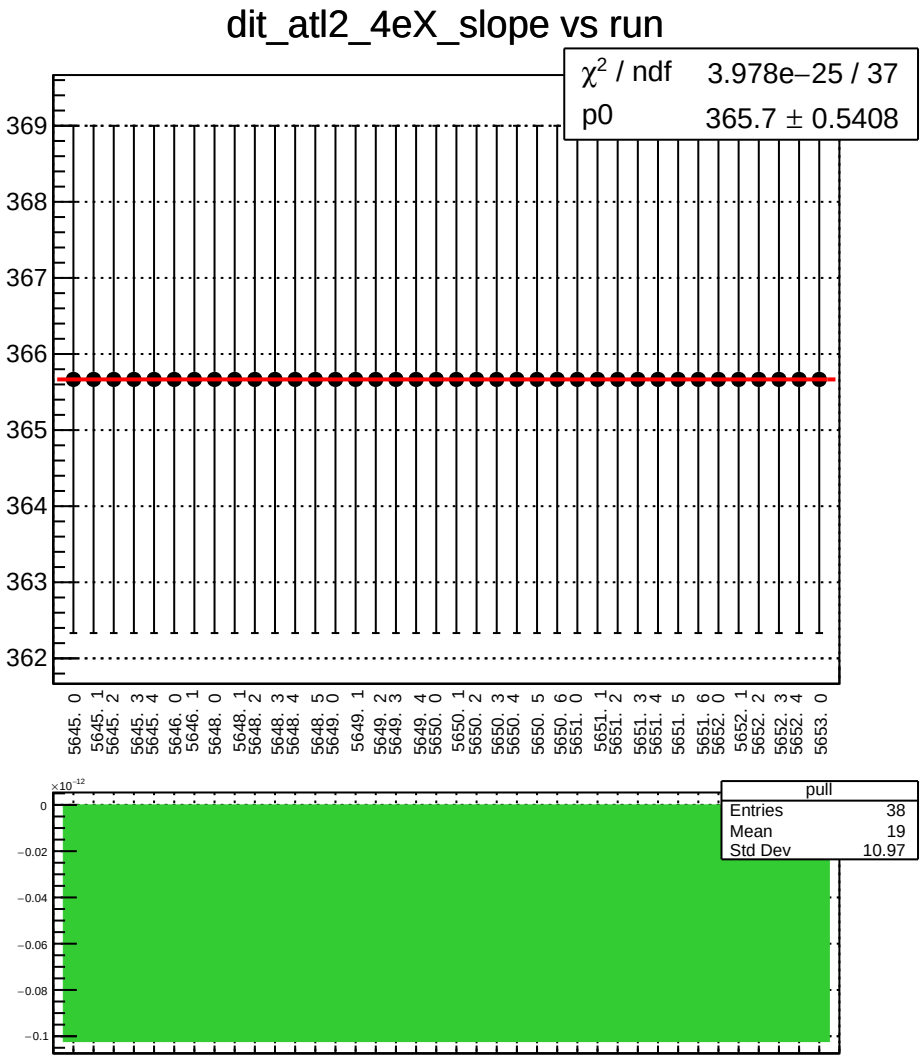

dit_atl1_4aY_slope vs run
χ² / ndf 1.928e−29 / 37
p0 21.29 ± 0.8092
26
24
22
20
18
16
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull
Entries 38
Mean 19
Std Dev 10.97

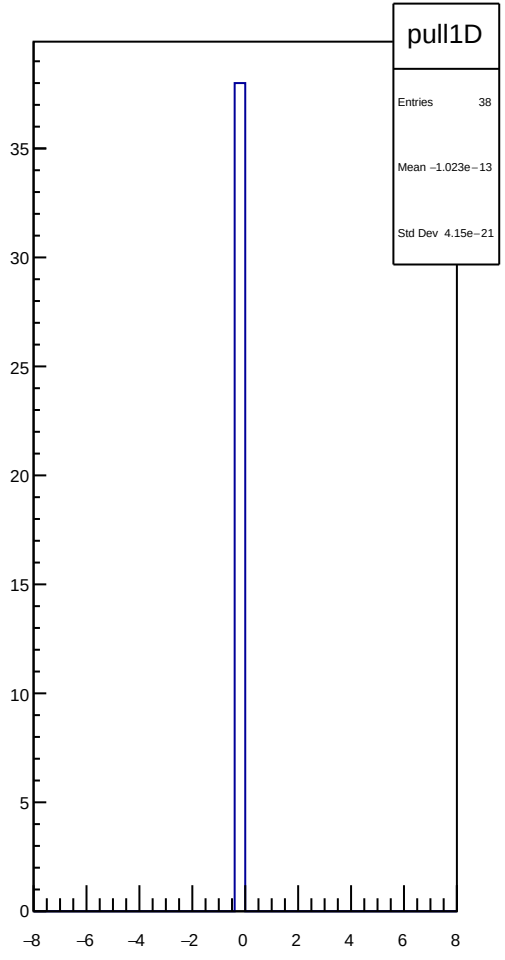

pull1D
Entries 38
Mean −7.122e−16
Std Dev3.104e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

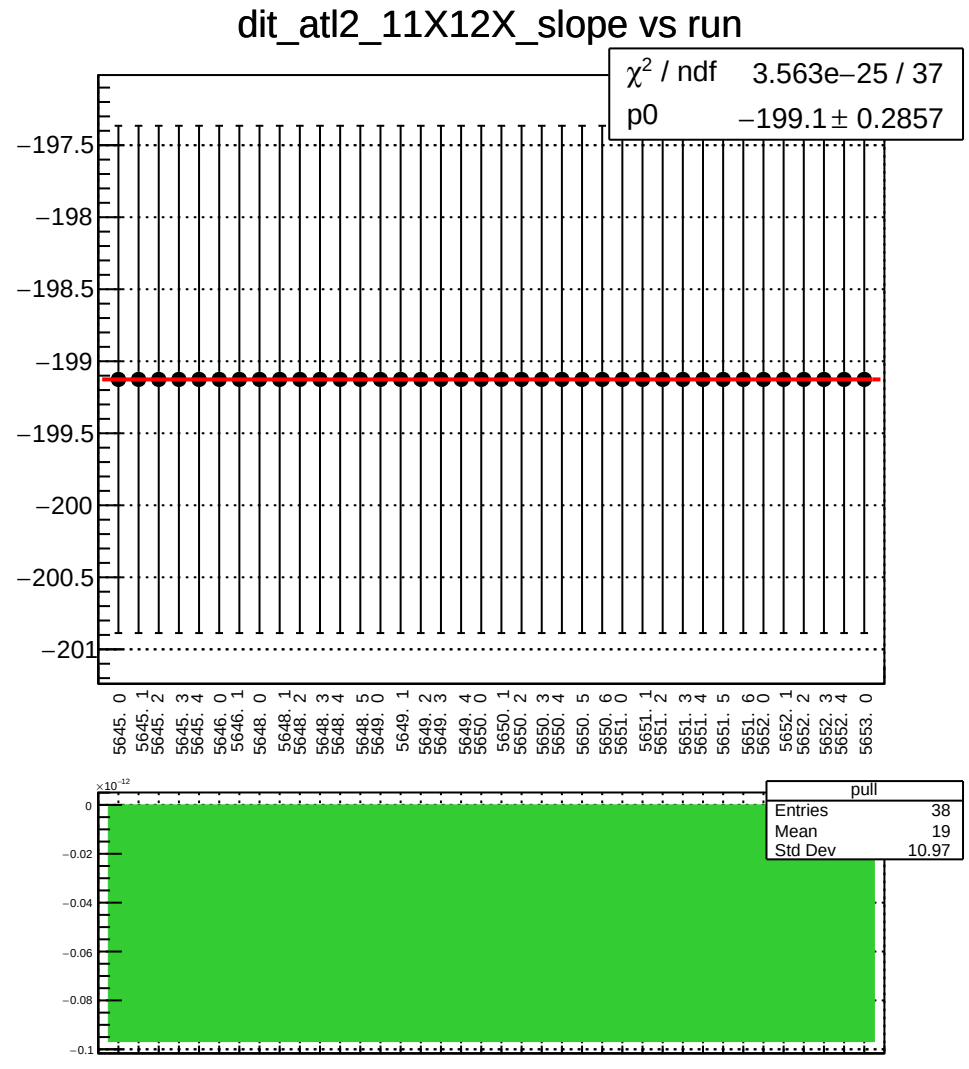

dit_atl1_4eY_slope vs run
χ² / ndf 3.136e−28 / 37
p0 −35.45 ± 0.8025
−30
−32
−34
−36
−38
−40
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −2.873e−15
Std Dev 8.37e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

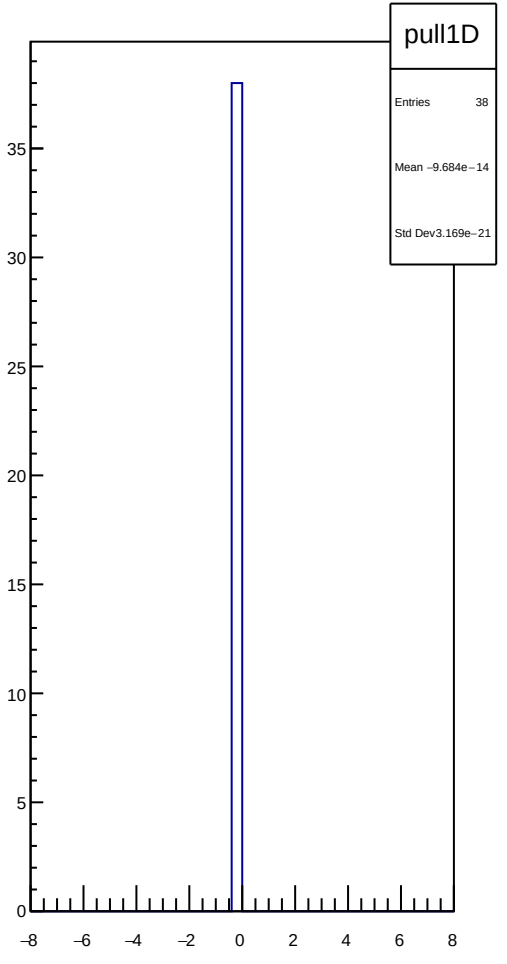

dit_atl2_4aX_slope vs run
χ² / ndf 5.61e−26 / 37
p0 −461.9 ± 0.72
−458
−460
−462
−464
−466
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 38
Mean 19
Std Dev 10.97

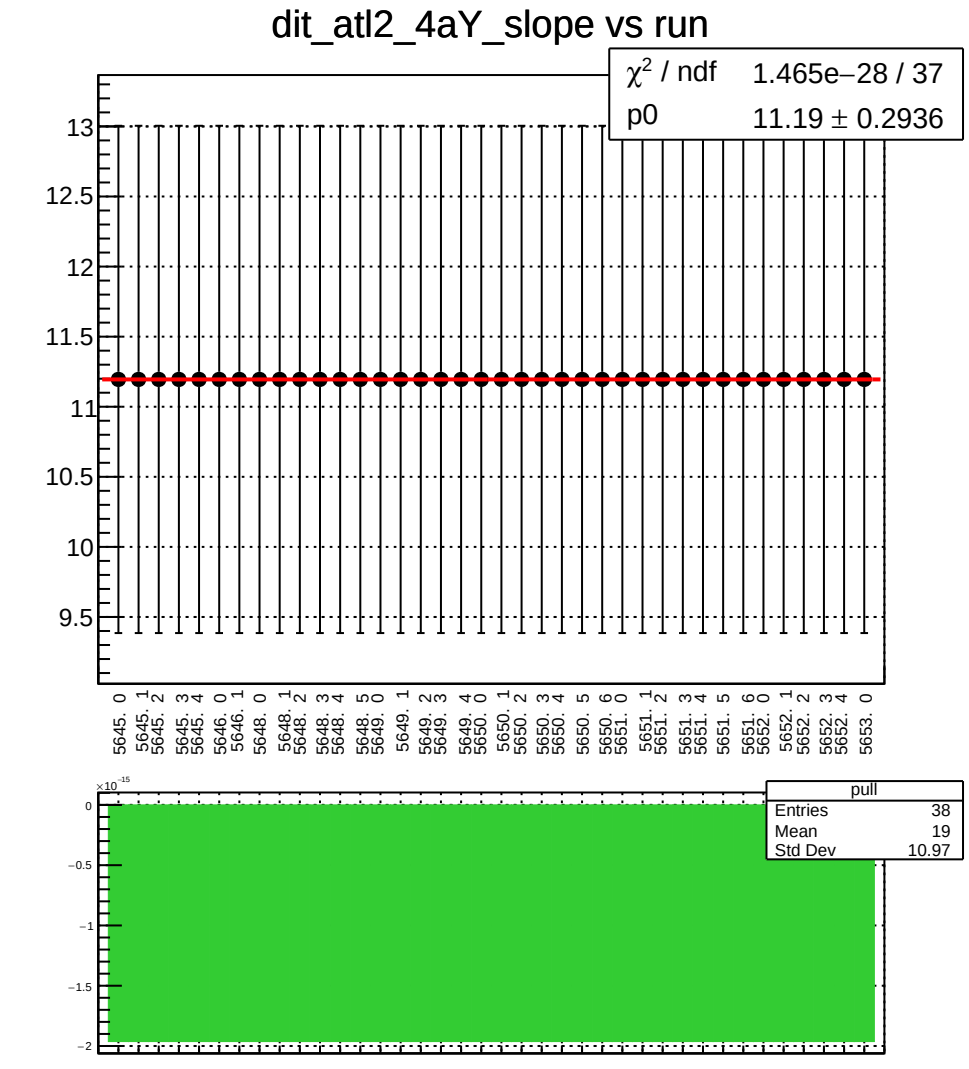

pull1D
Entries 38
Mean 3.842e−14
Std Dev 8.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

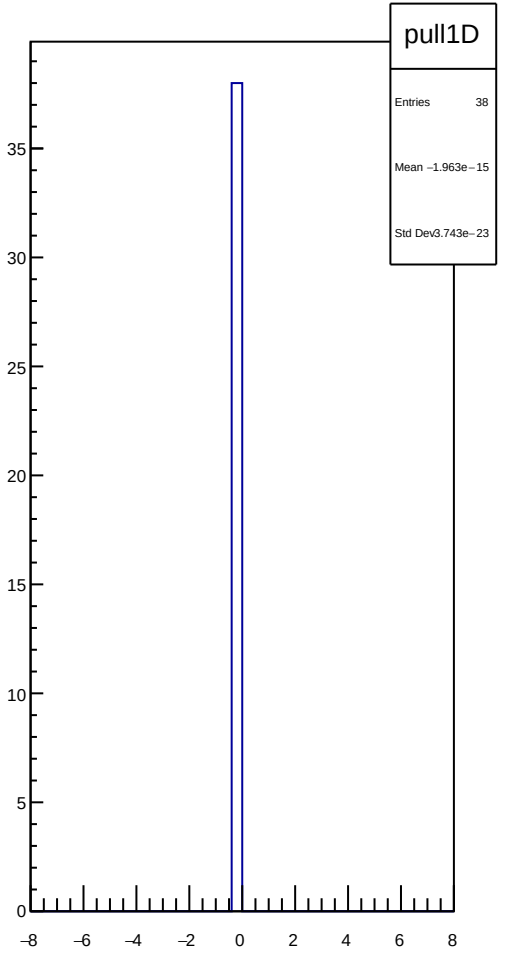

dit_atl2_4eX_slope vs run
χ² / ndf 3.978e−25 / 37
p0 365.7 ± 0.5408
369
368
367
366
365
364
363
362
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 38
Mean 19
Std Dev 10.97

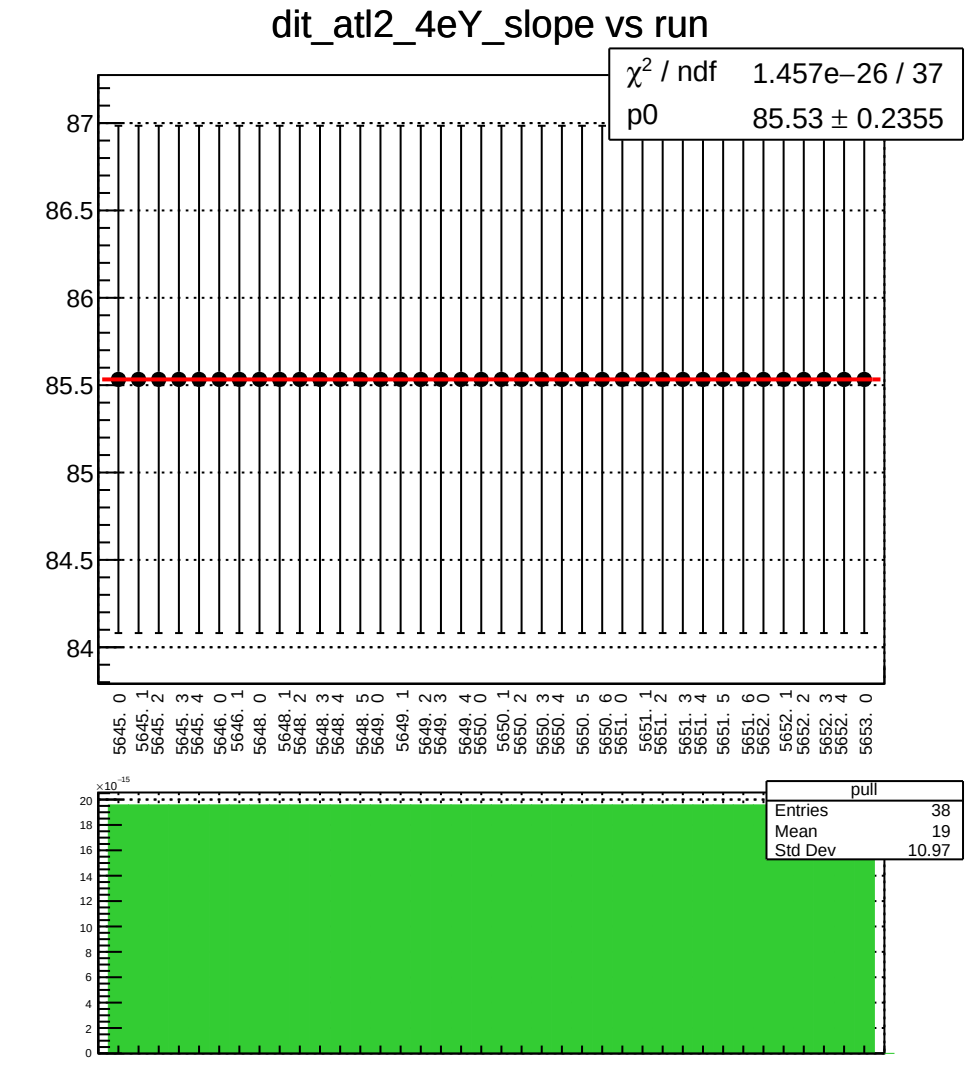

pull1D
Entries 38
Mean −1.023e−13
Std Dev 4.15e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

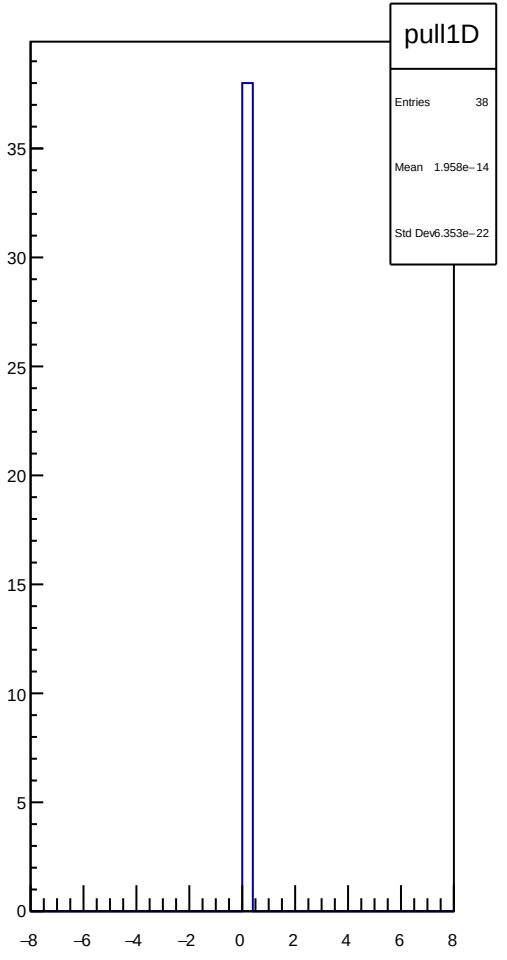

dit_atl2_11X12X_slope vs run
χ² / ndf 3.563e−25 / 37
p0 −199.1 ± 0.2857
−197.5
−198
−198.5
−199
−199.5
−200
−200.5
−201
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 38
Mean 19
Std Dev 10.97

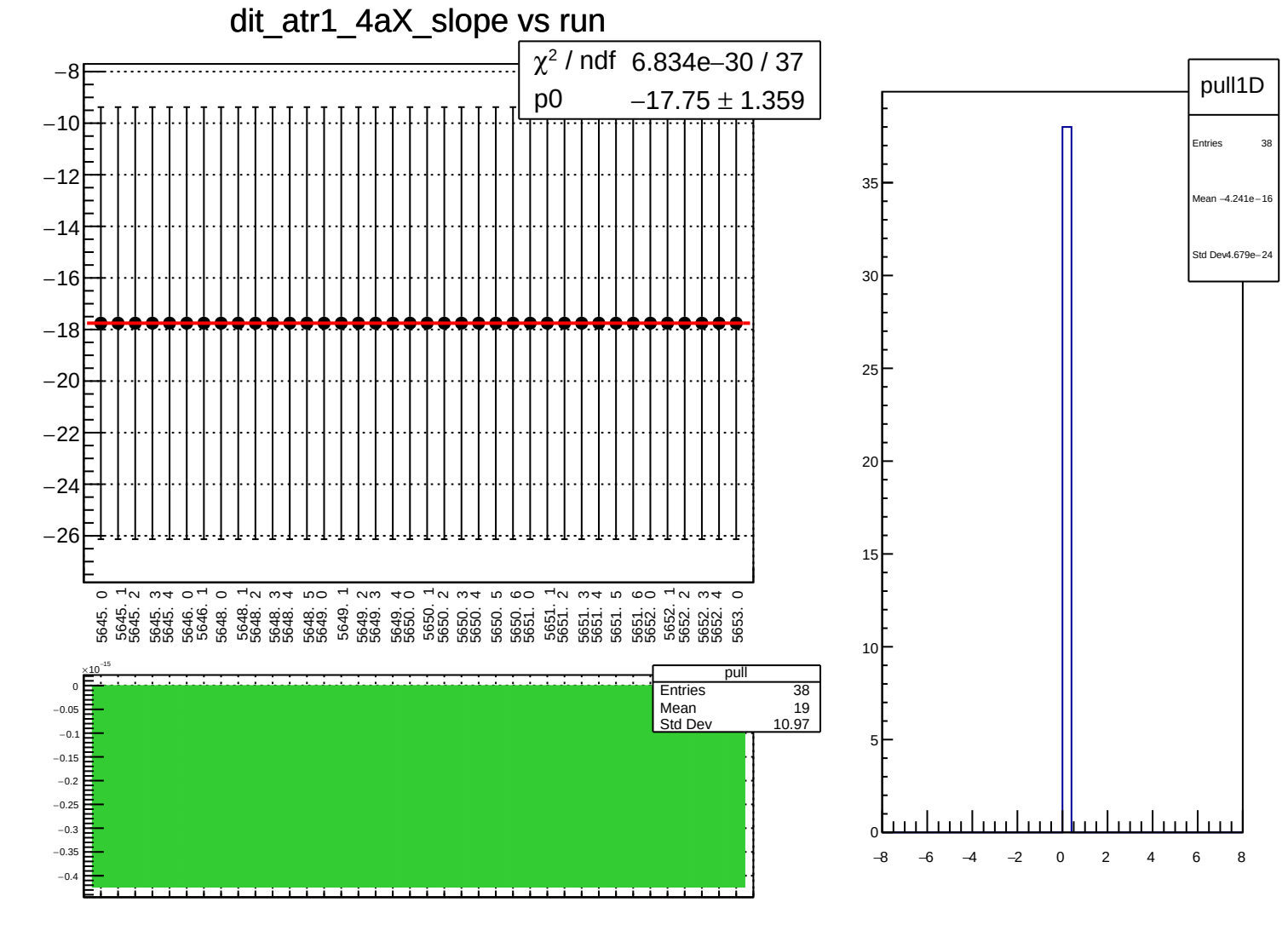

pull1D
Entries 38
Mean −9.684e−14
Std Dev3.169e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

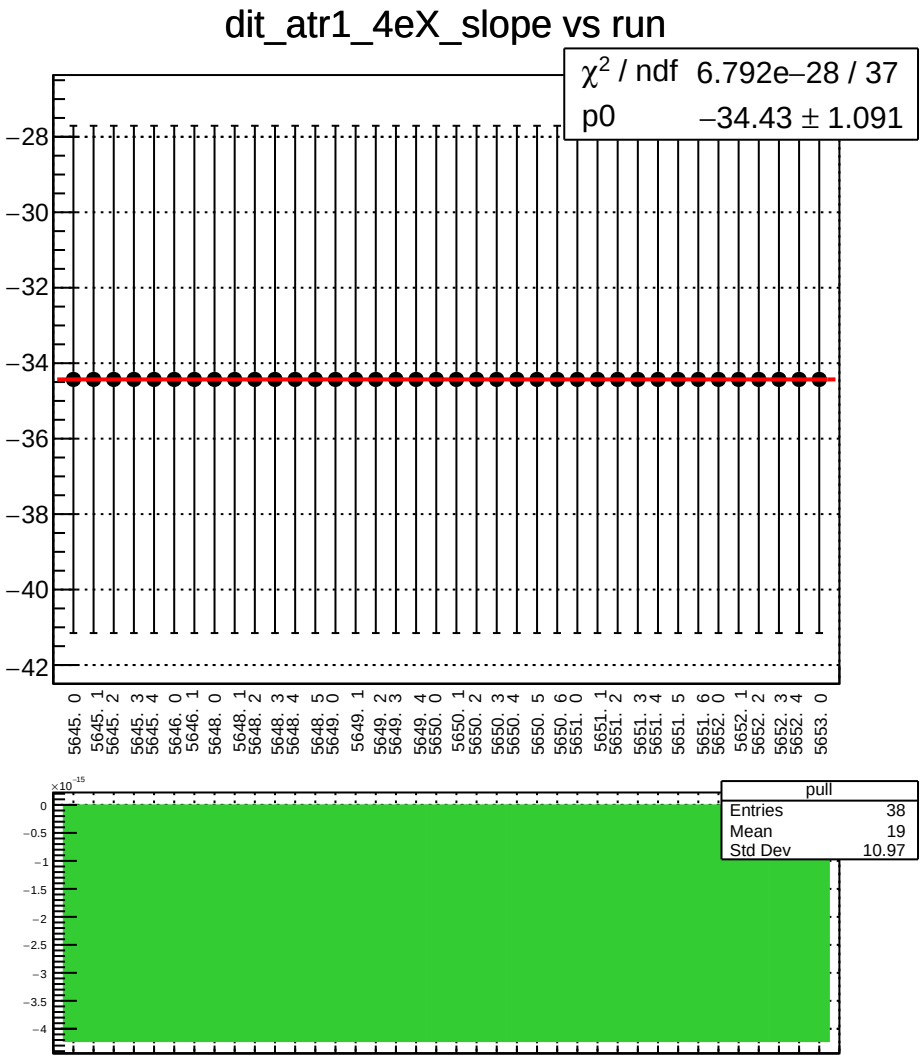

dit_atl2_4aY_slope vs run
χ² / ndf 1.465e−28 / 37
p0 11.19 ± 0.2936
13
12.5
12
11.5
11
10.5
10
9.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull
Entries 38
Mean 19
Std Dev 10.97

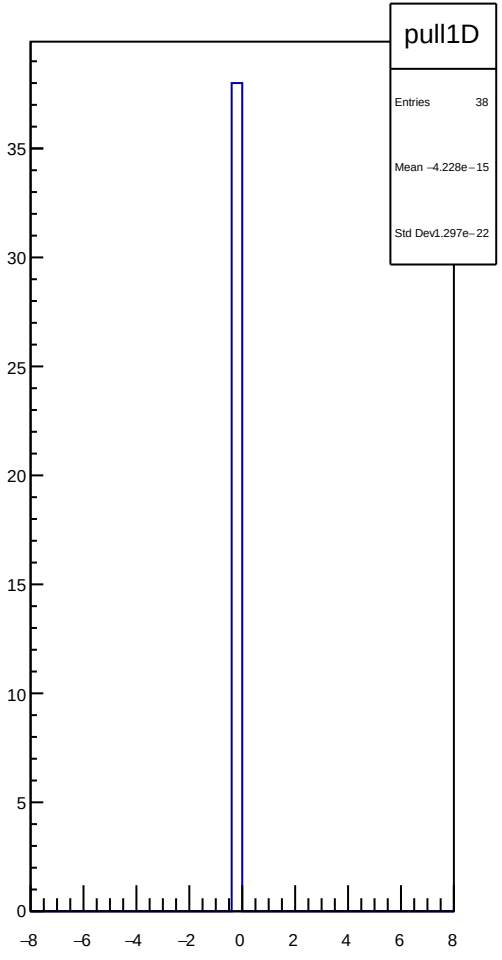

pull1D
Entries 38
Mean −1.963e−15
Std Dev3.743e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

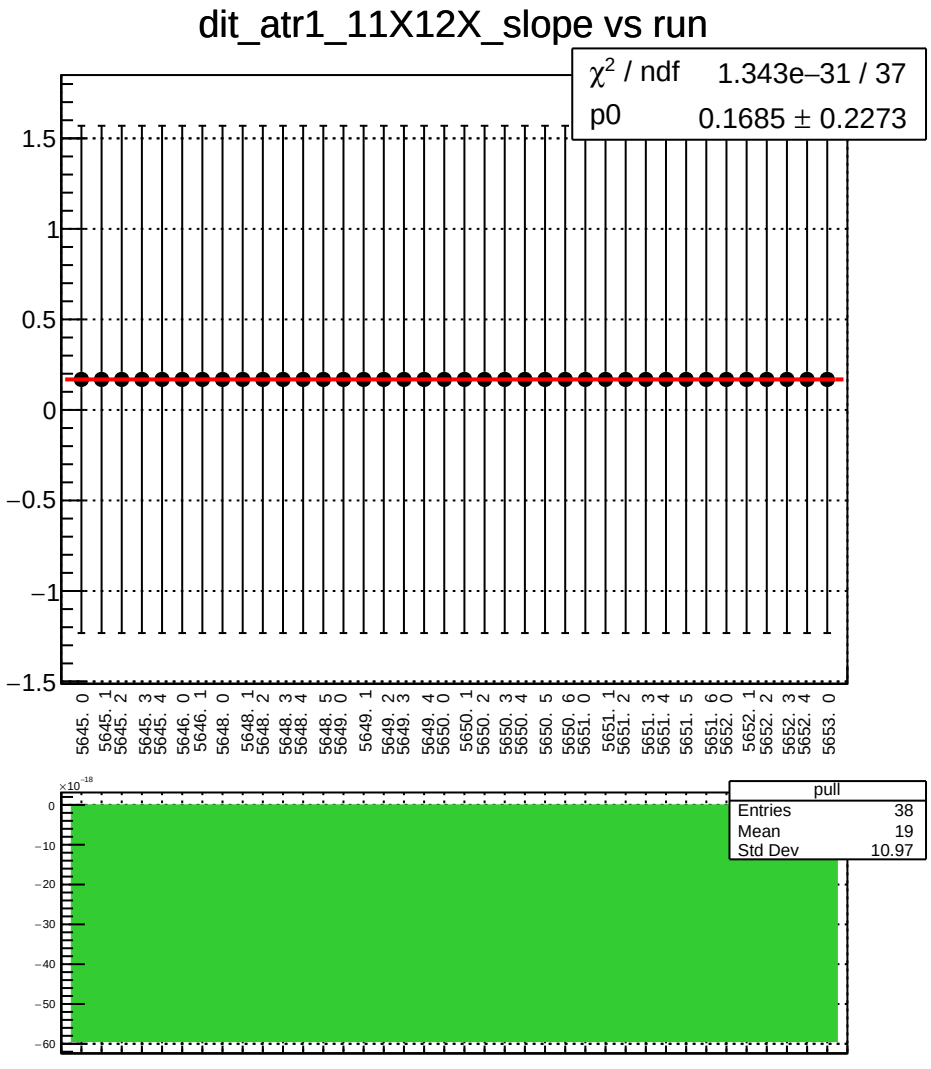

dit_atl2_4eY_slope vs run
χ² / ndf 1.457e−26 / 37
p0 85.53 ± 0.2355
87
86.5
86
85.5
85
84.5
84
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 38
Mean 19
Std Dev 10.97

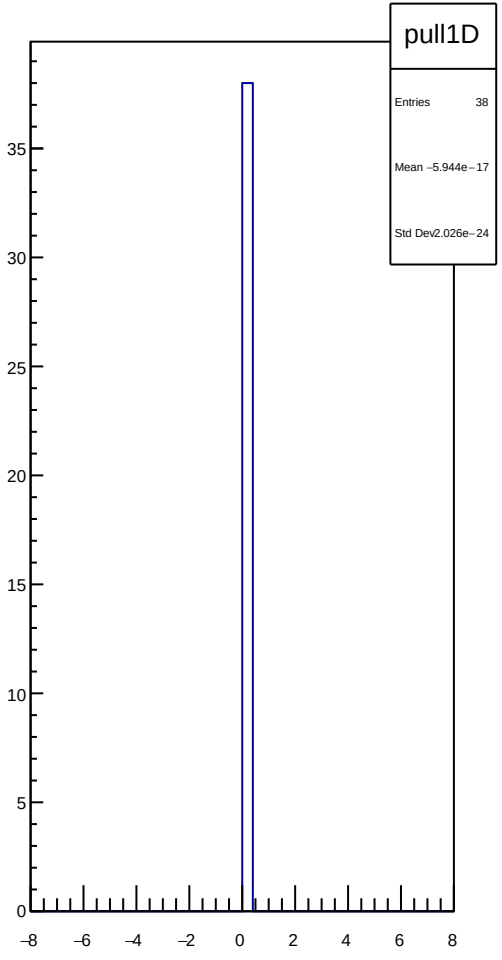

pull1D
Entries 38
Mean 1.958e−14
Std Dev 6.353e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

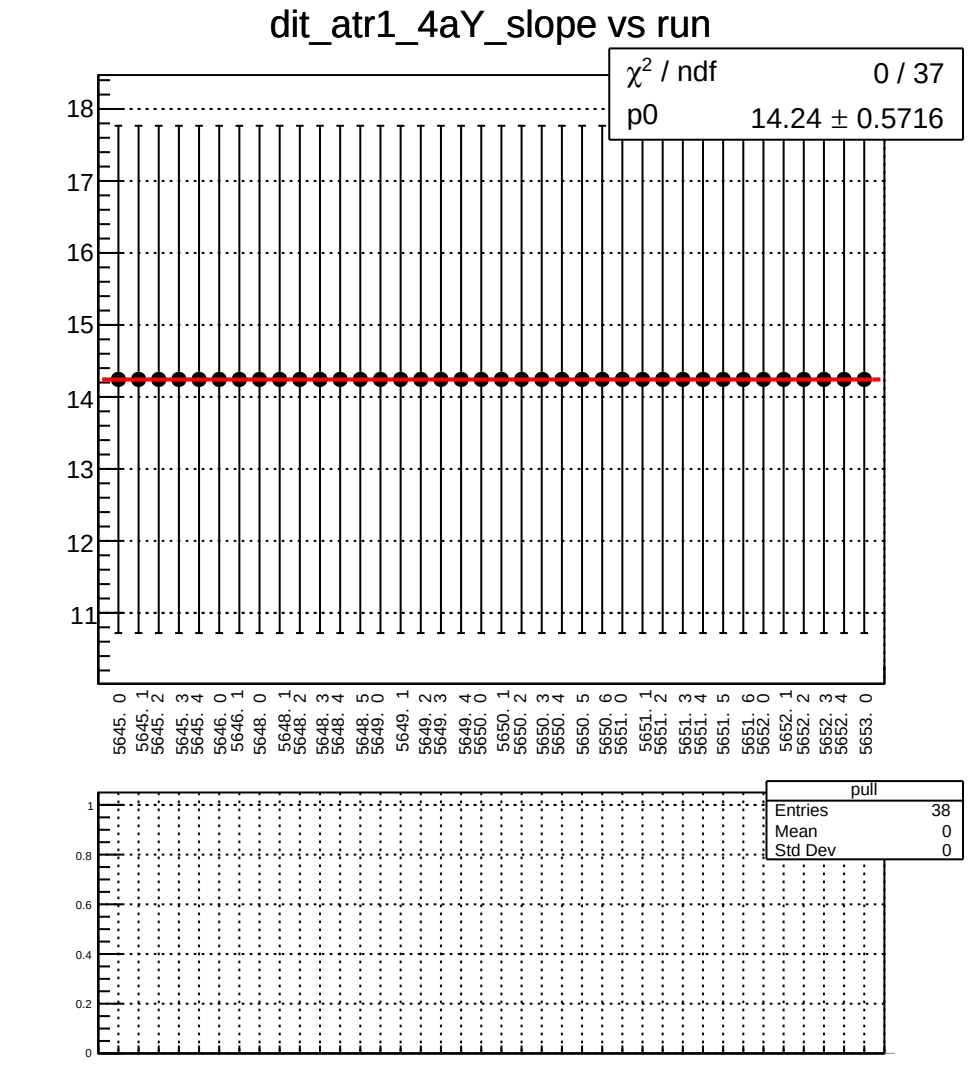

dit_atr1_4aX_slope vs run
χ² / ndf 6.834e−30 / 37
p0 −17.75 ± 1.359
−8
−10
−12
−14
−16
−18
−20
−22
−24
−26
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −4.241e−16
Std Dev 4.679e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

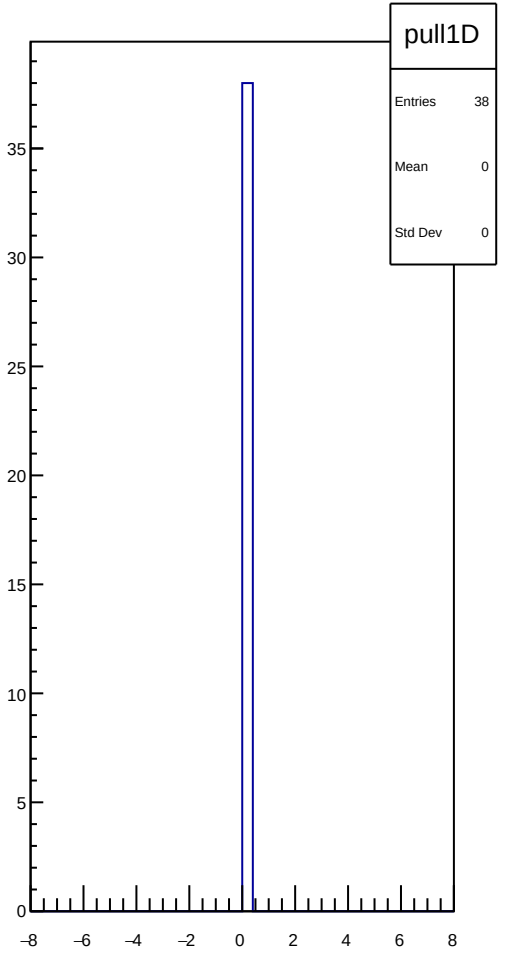

dit_atr1_4eX_slope vs run
χ² / ndf 6.792e−28 / 37
p0 −34.43 ± 1.091
−28
−30
−32
−34
−36
−38
−40
−42
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 38
Mean 19
Std Dev 10.97

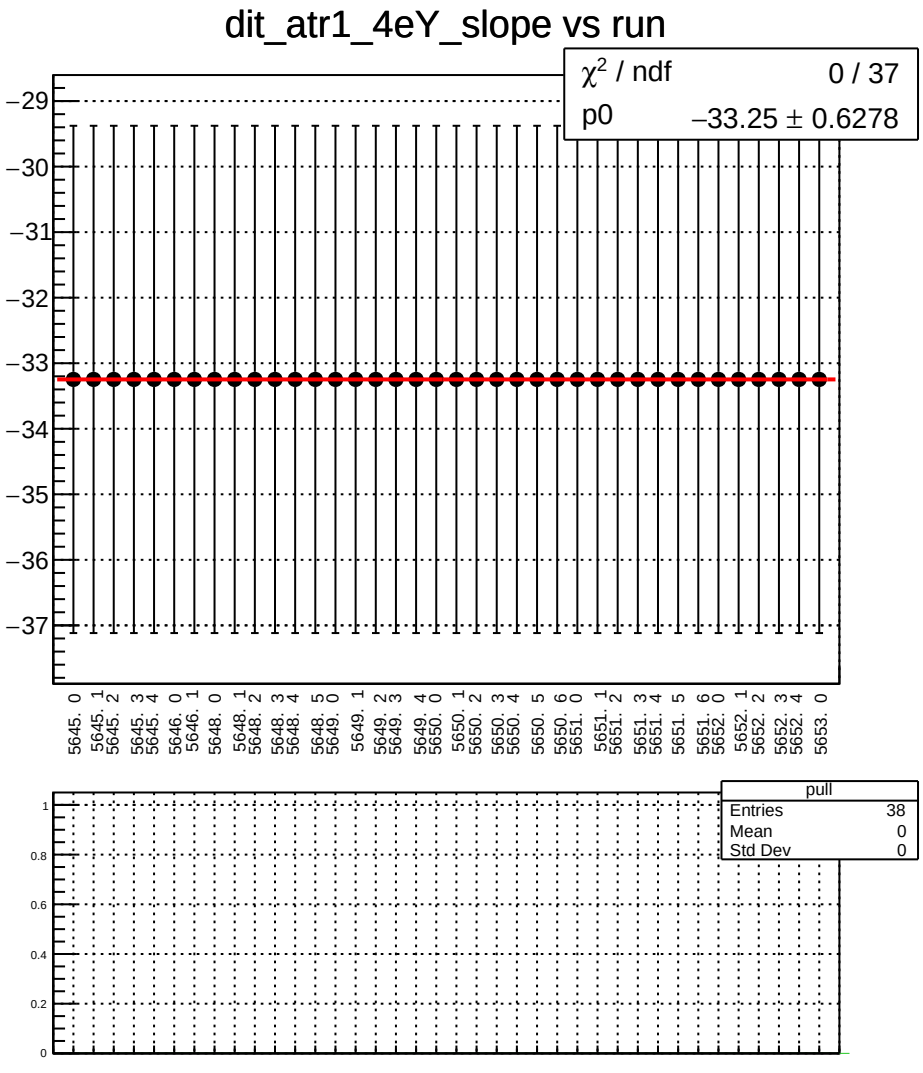

pull1D
Entries 38
Mean −4.228e−15
Std Dev1.297e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

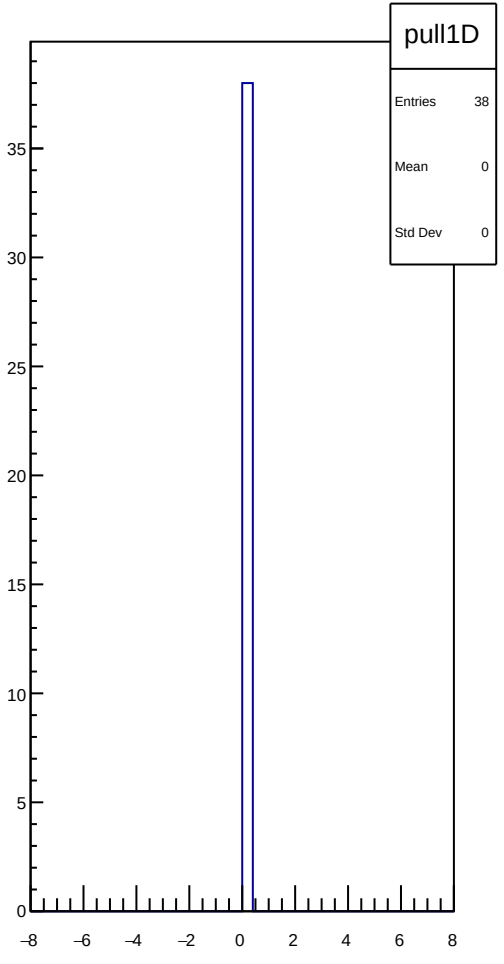

dit_atr1_11X12X_slope vs run
χ² / ndf 1.343e−31 / 37
p0 0.1685 ± 0.2273
pull
Entries 38
Mean 19
Std Dev 10.97

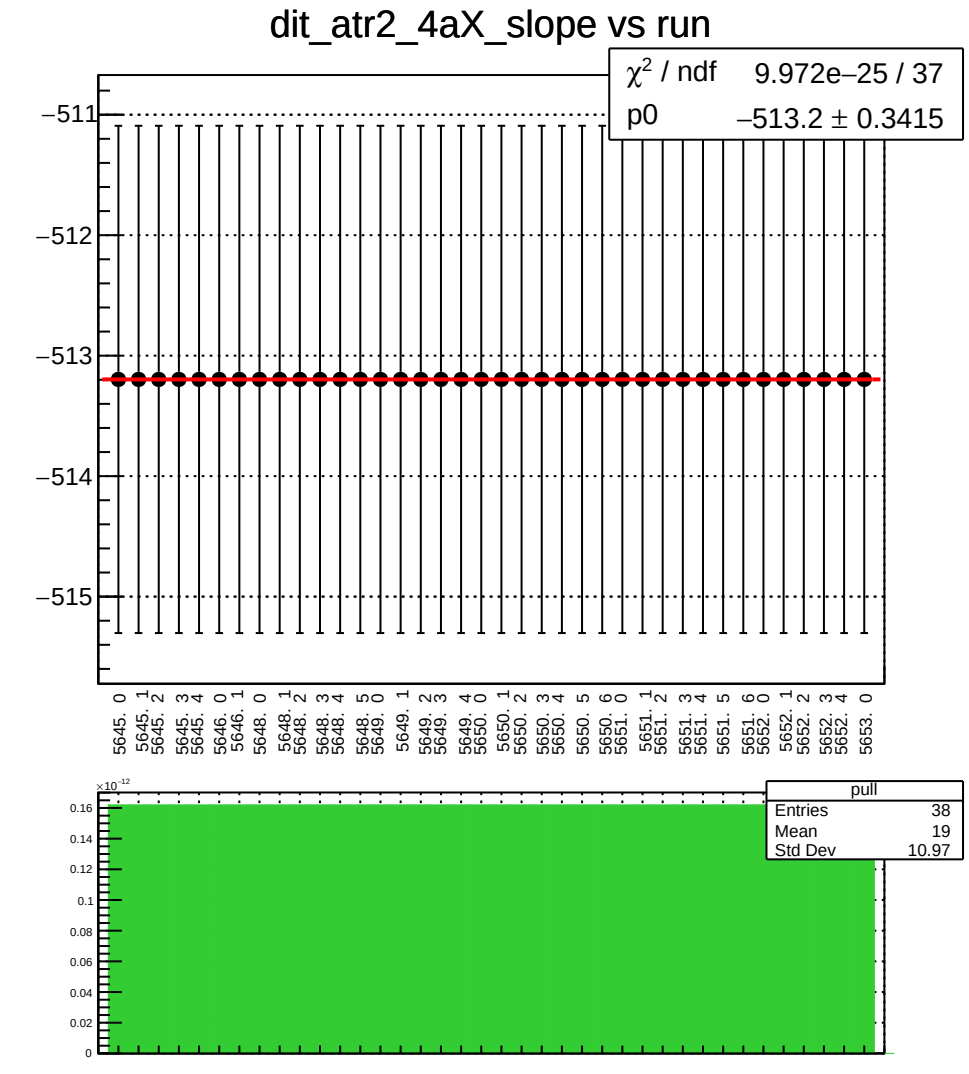

pull1D
Entries 38
Mean −5.944e−17
Std Dev2.026e−24

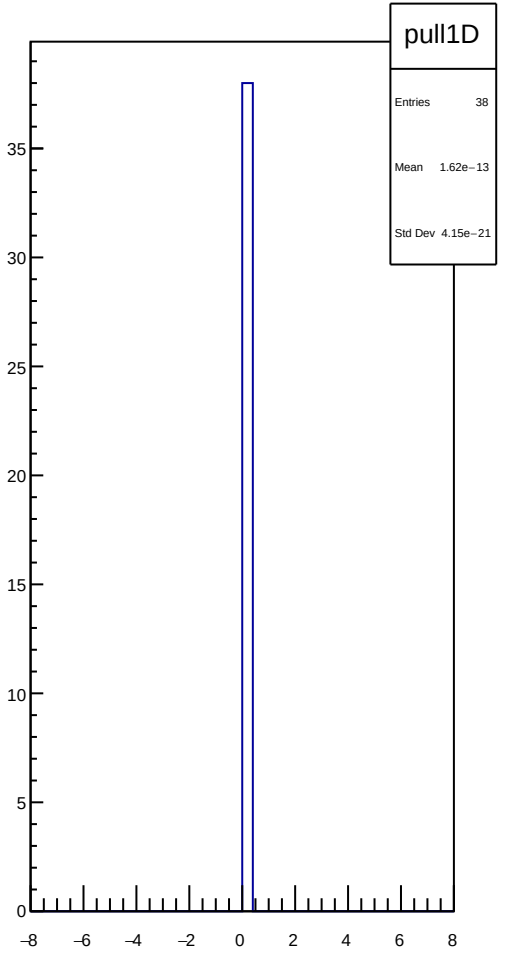

dit_atr1_4aY_slope vs run
χ² / ndf 0 / 37
p0 14.24 ± 0.5716
18
17
16
15
14
13
12
11
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

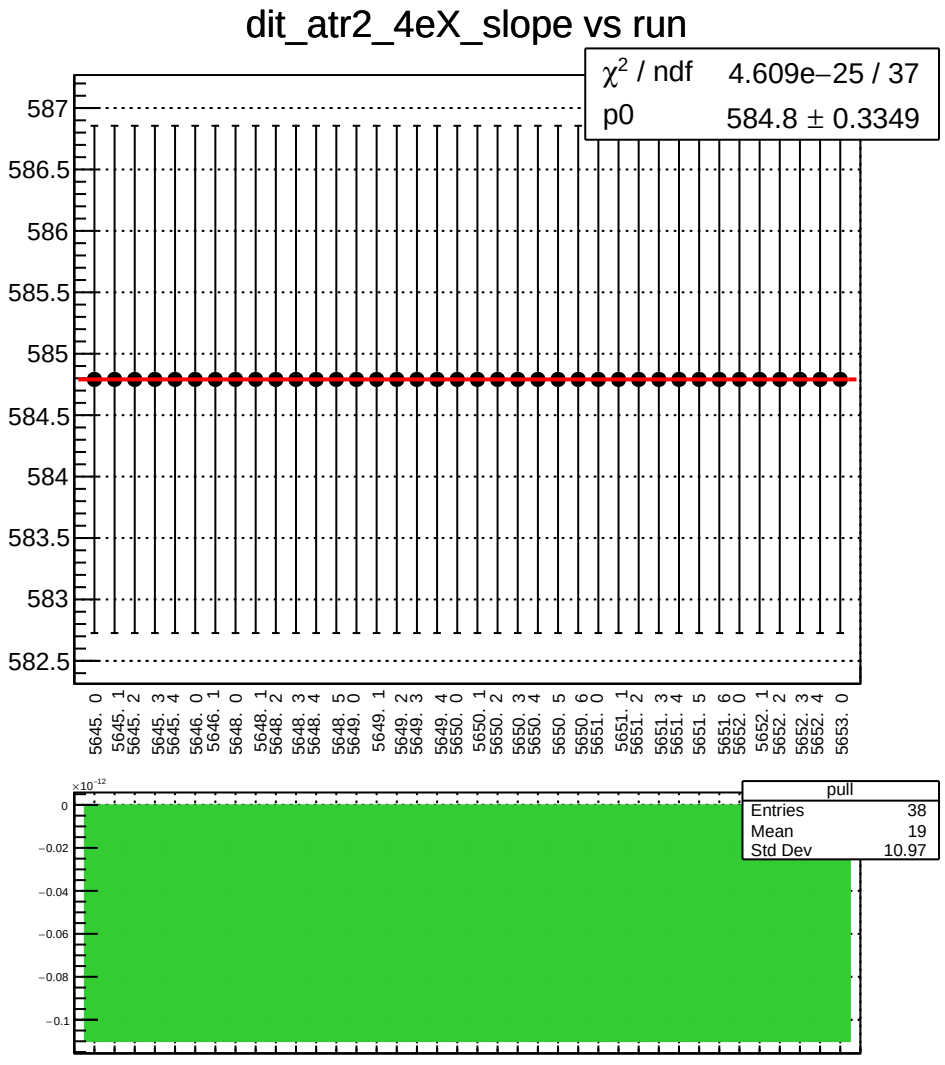

pull1D
Entries 38
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

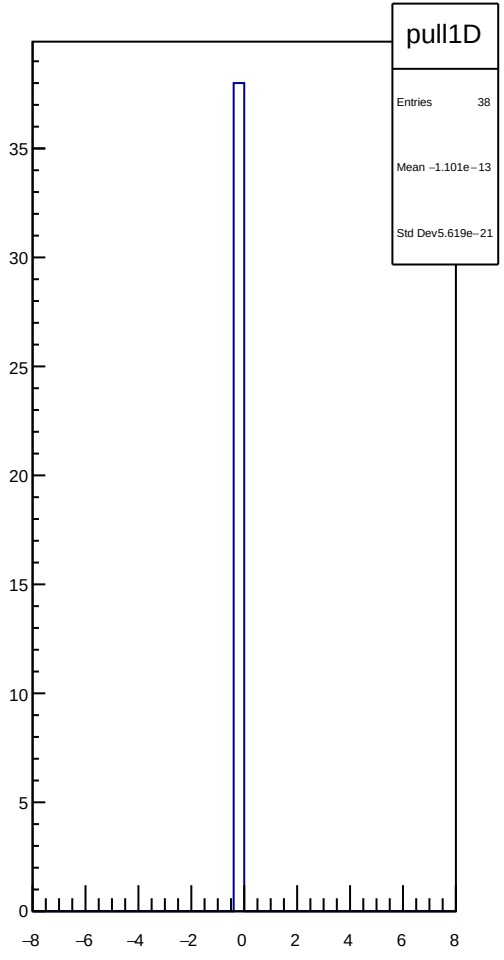

dit_atr1_4eY_slope vs run
χ² / ndf 0 / 37
p0 −33.25 ± 0.6278
pull
Entries 38
Mean 0
Std Dev 0

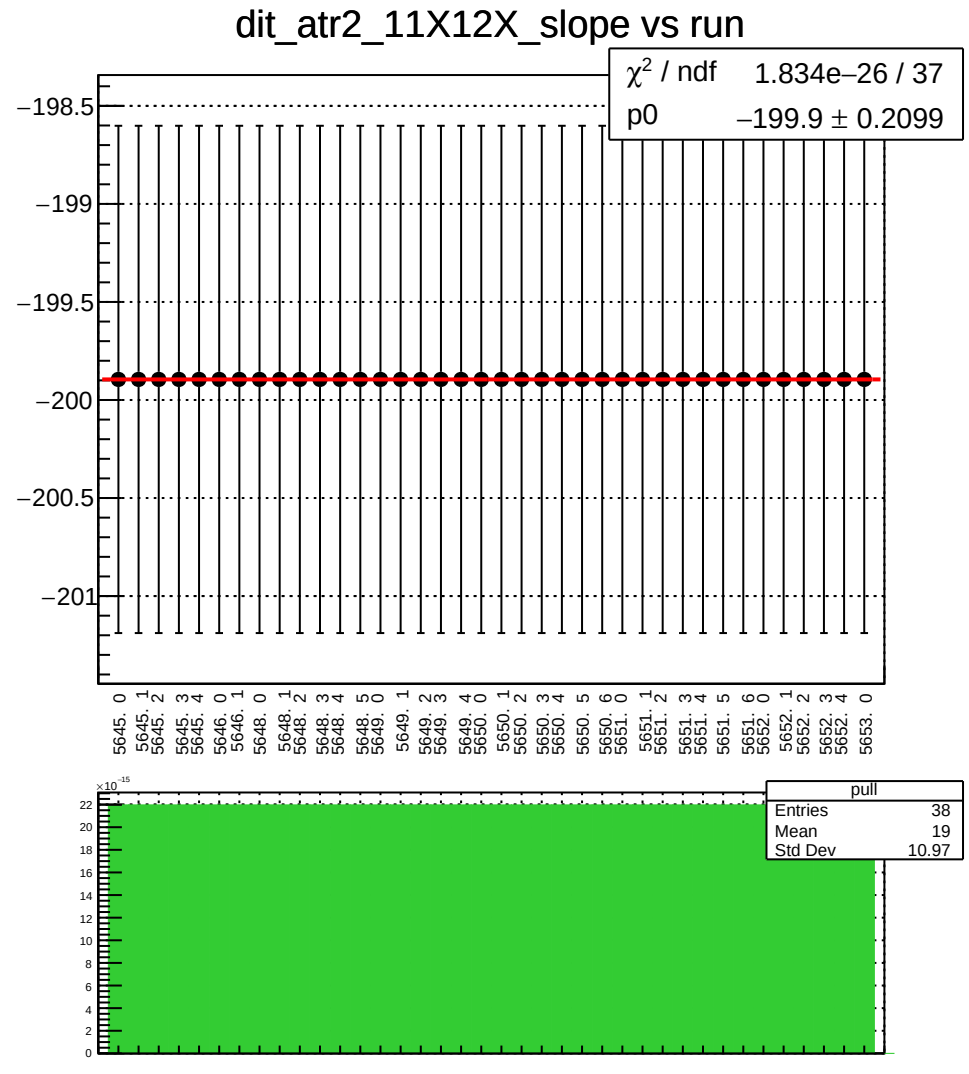

pull1D
Entries 38
Mean 0
Std Dev 0

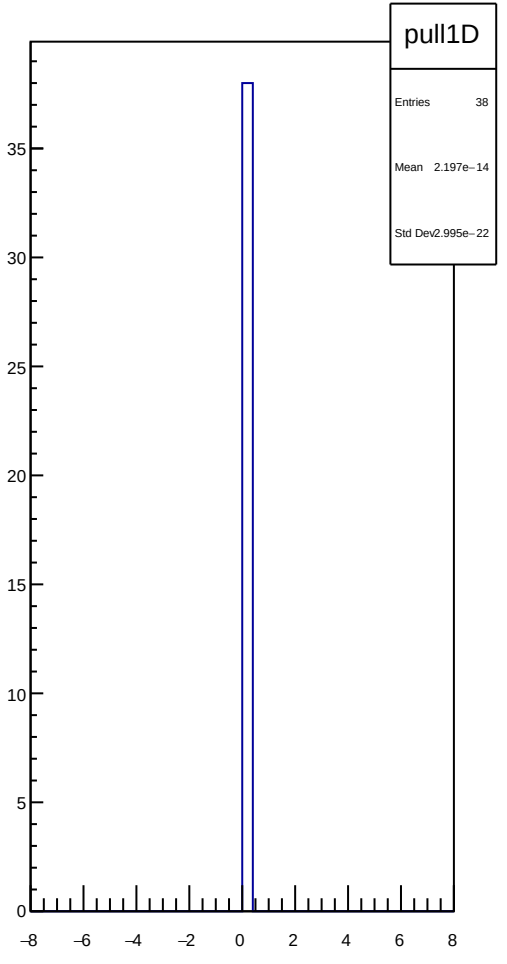

dit_atr2_4aX_slope vs run
χ² / ndf 9.972e−25 / 37
p0 −513.2 ± 0.3415
−511
−512
−513
−514
−515
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 38
Mean 19
Std Dev 10.97

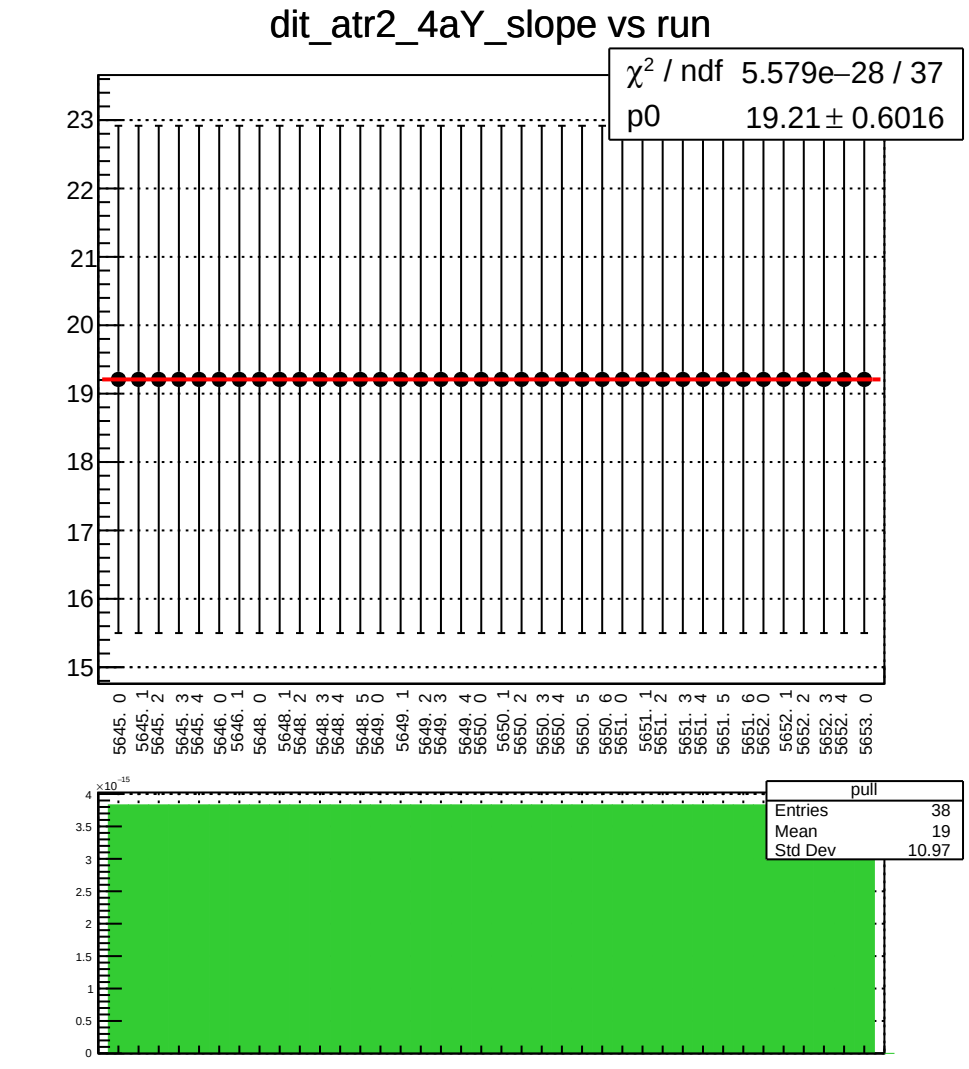

pull1D
Entries 38
Mean 1.62e−13
Std Dev 4.15e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

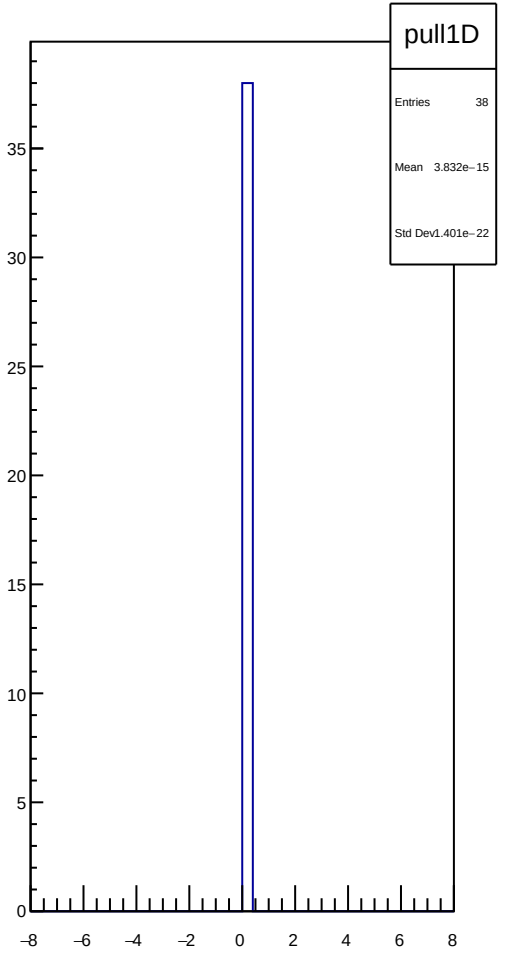

dit_atr2_4eX_slope vs run
χ² / ndf 4.609e−25 / 37
p0 584.8 ± 0.3349
587
586.5
586
585.5
585
584.5
584
583.5
583
582.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 38
Mean 19
Std Dev 10.97

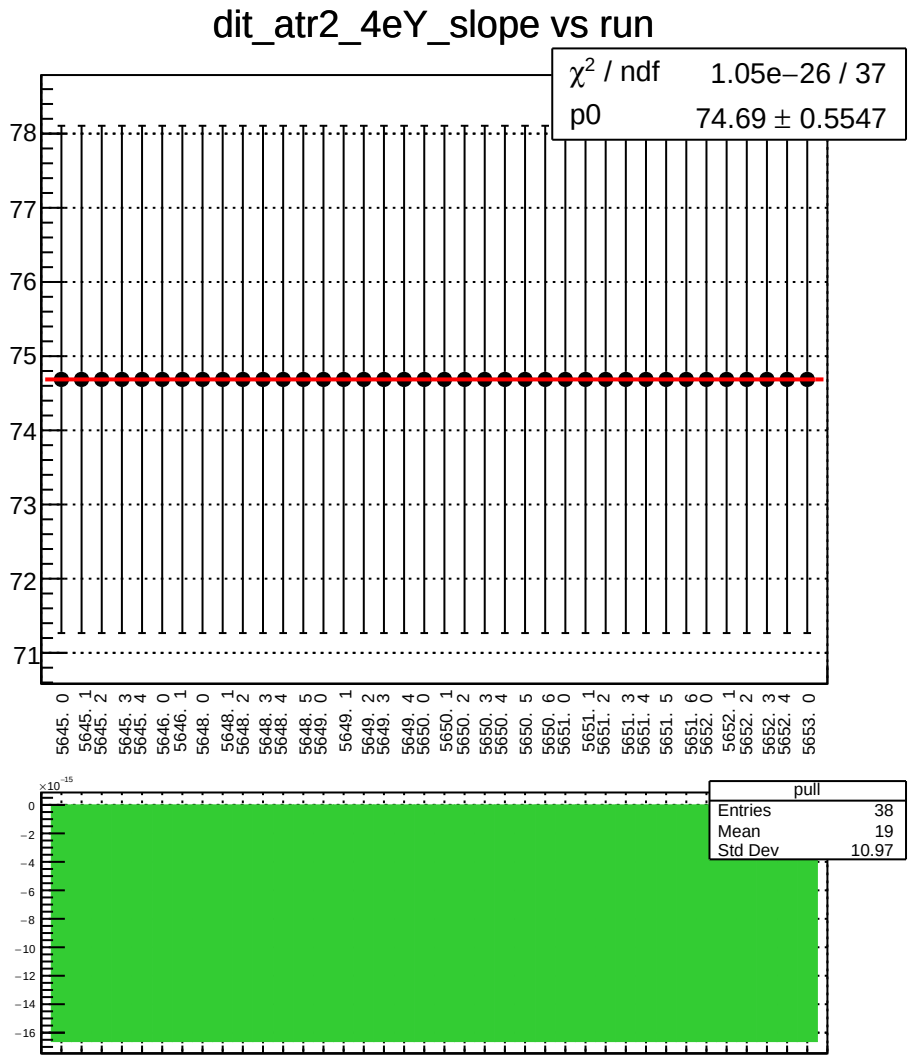

pull1D
Entries 38
Mean −1.101e−13
Std Dev5.619e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

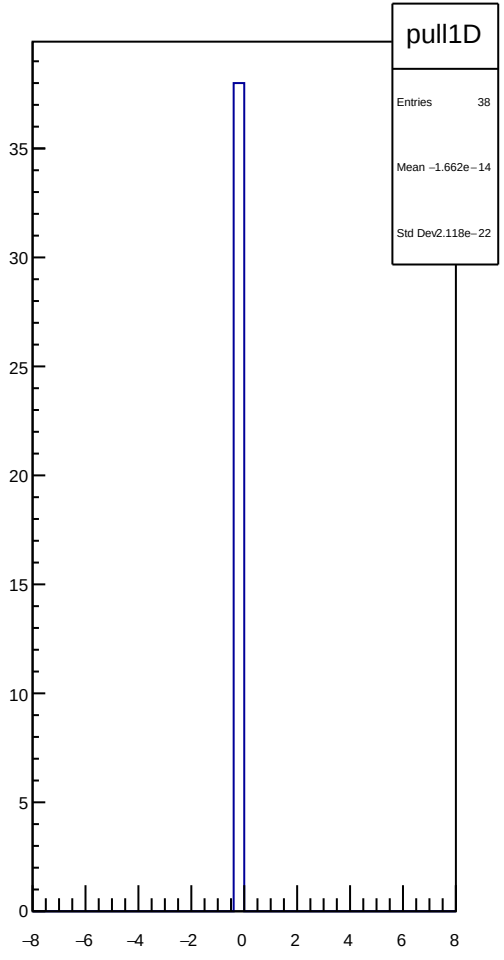

dit_atr2_11X12X_slope vs run
χ² / ndf 1.834e−26 / 37
p0 −199.9 ± 0.2099
−198.5
−199
−199.5
−200
−200.5
−201
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 38
Mean 19
Std Dev 10.97

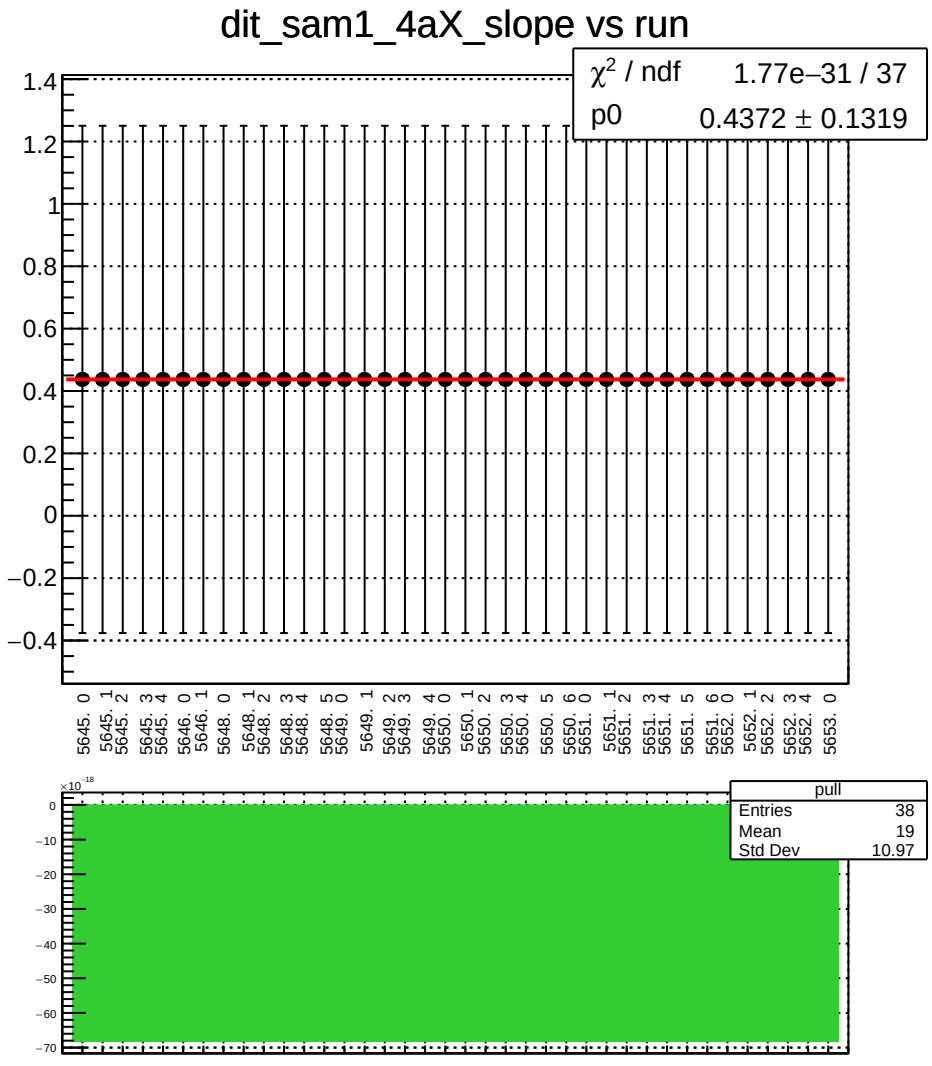

pull1D
Entries 38
Mean 2.197e−14
Std Dev 2.995e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

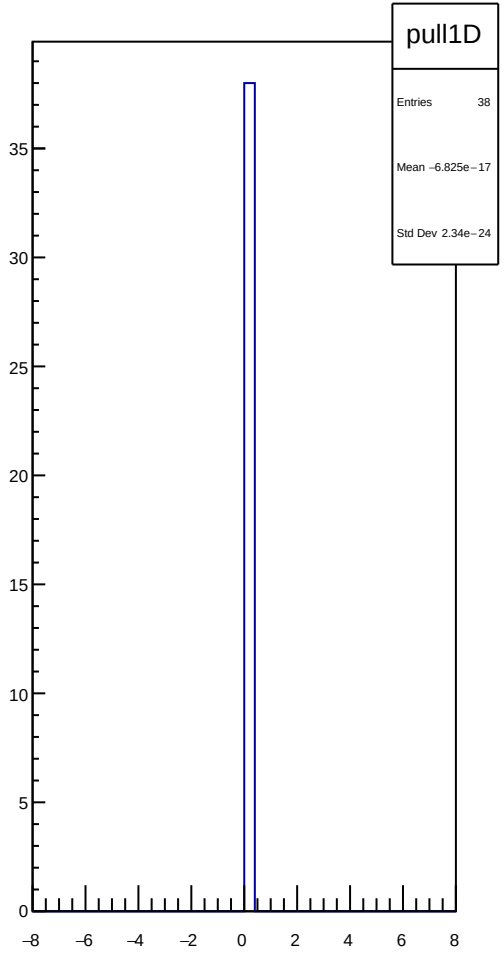

dit_atr2_4aY_slope vs run
χ² / ndf 5.579e−28 / 37
p0 19.21 ± 0.6016
23
22
21
20
19
18
17
16
15
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 38
Mean 19
Std Dev 10.97

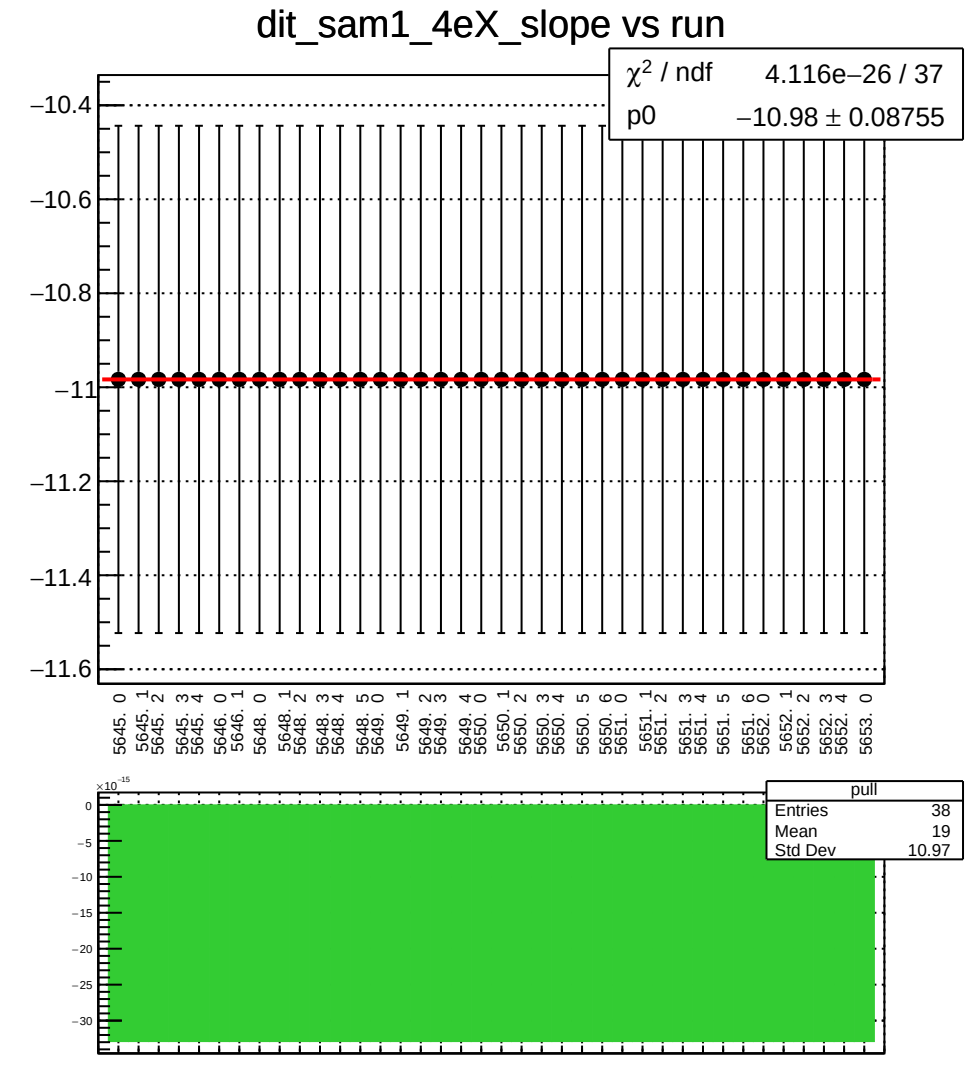

pull1D
Entries 38
Mean 3.832e−15
Std Dev1.401e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

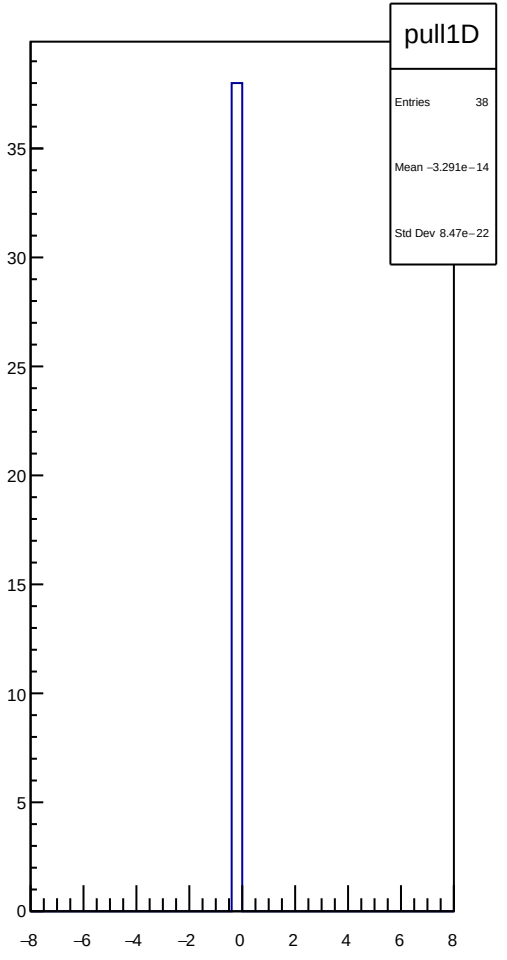

dit_atr2_4eY_slope vs run
χ² / ndf 1.05e−26 / 37
p0 74.69 ± 0.5547
78
77
76
75
74
73
72
71
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 38
Mean 19
Std Dev 10.97

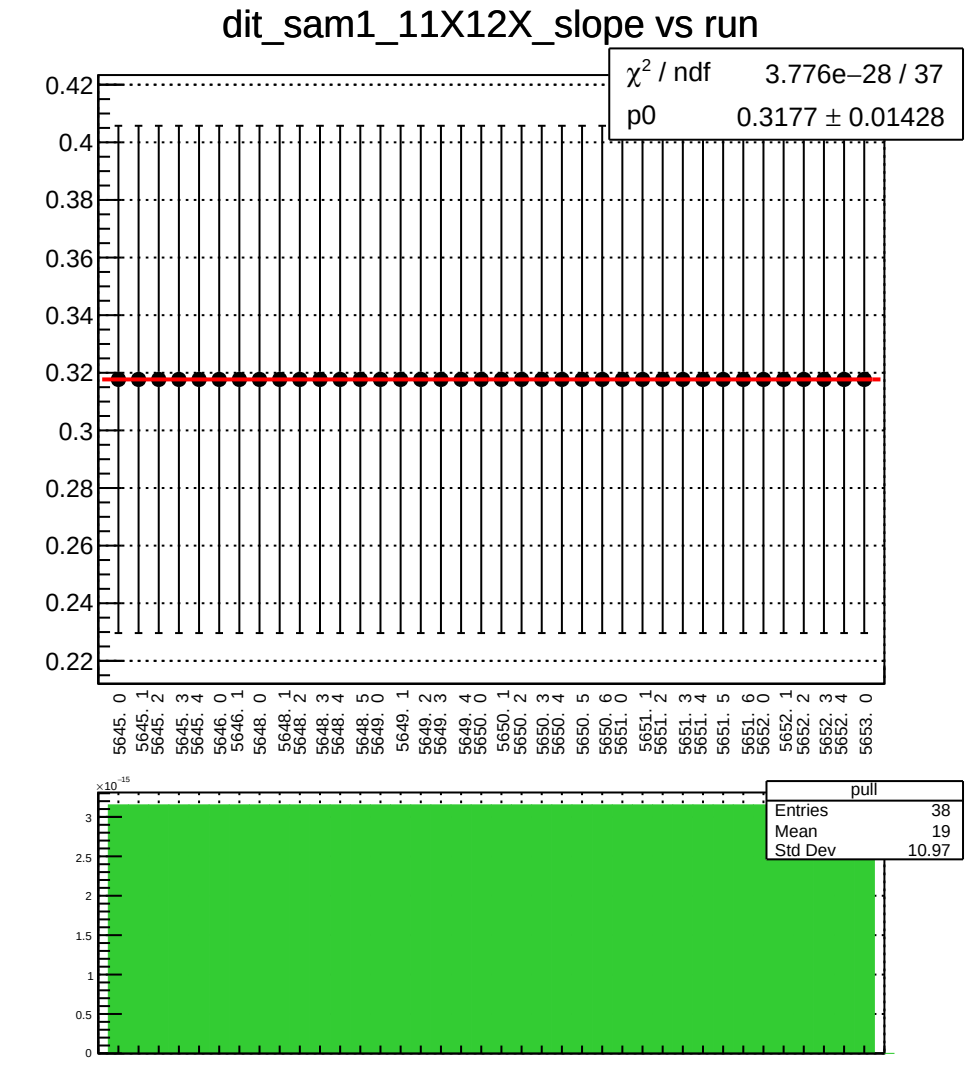

pull1D
Entries 38
Mean −1.662e−14
Std Dev2.118e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

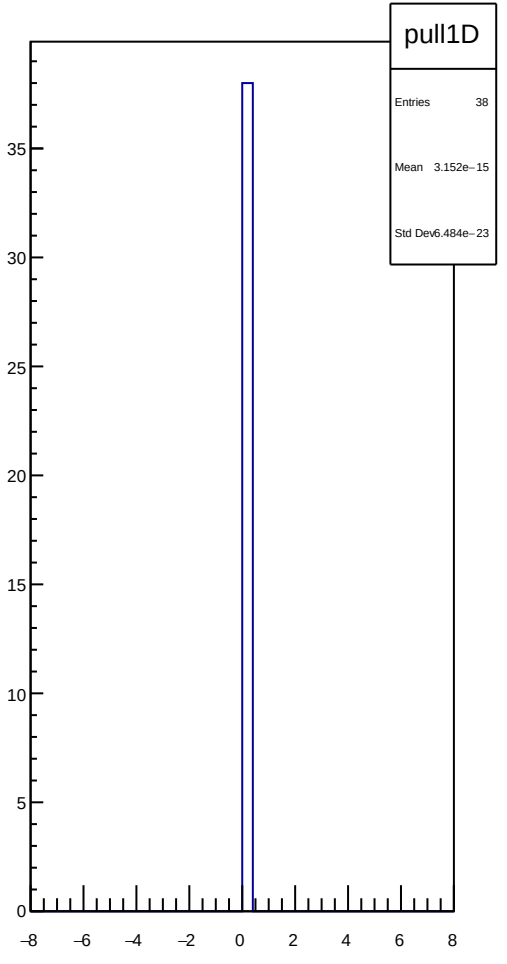

dit_sam1_4aX_slope vs run
χ² / ndf 1.77e−31 / 37
p0 0.4372 ± 0.1319
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁸
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 38
Mean 19
Std Dev 10.97

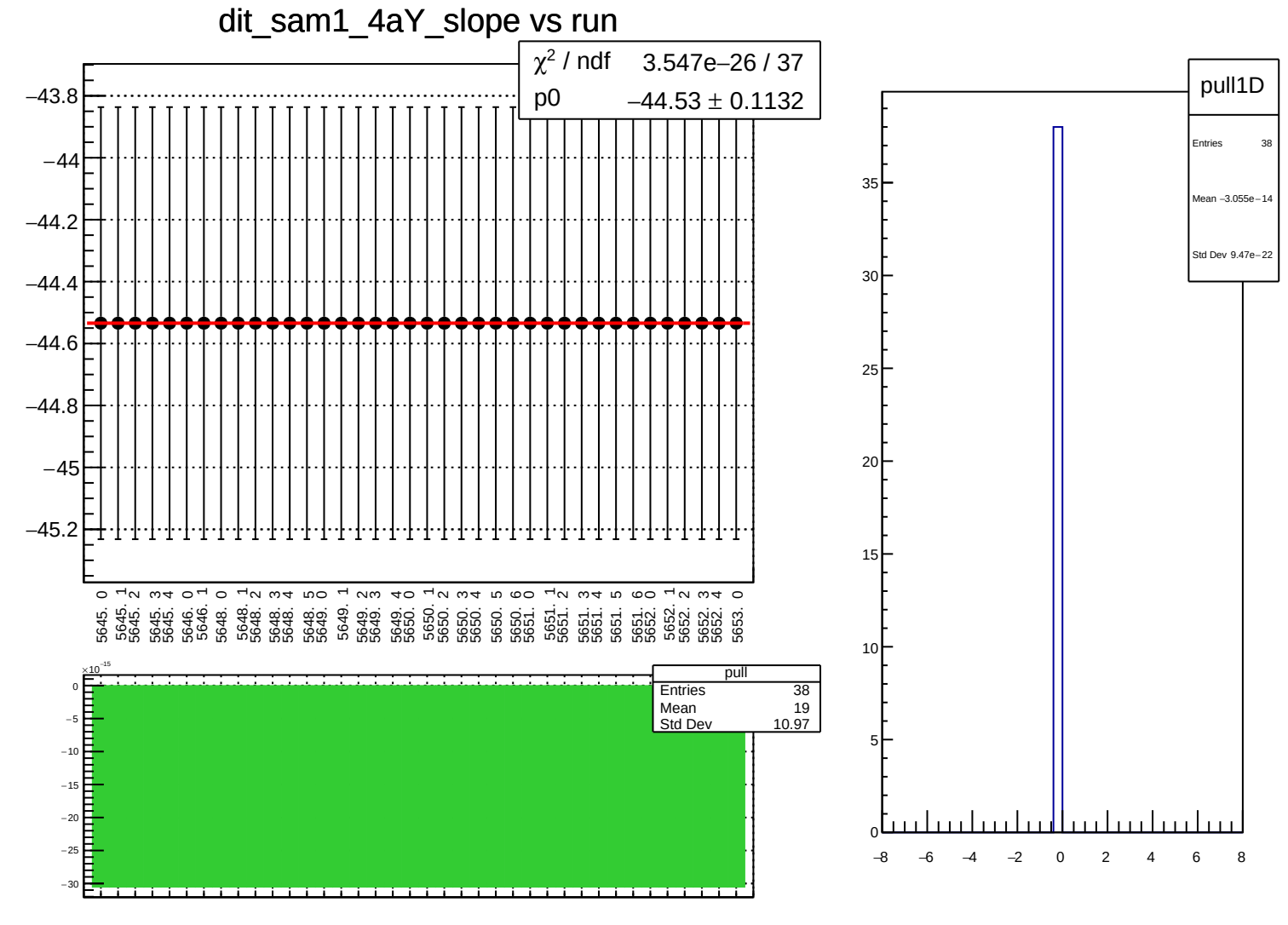

pull1D
Entries 38
Mean −6.825e−17
Std Dev 2.34e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

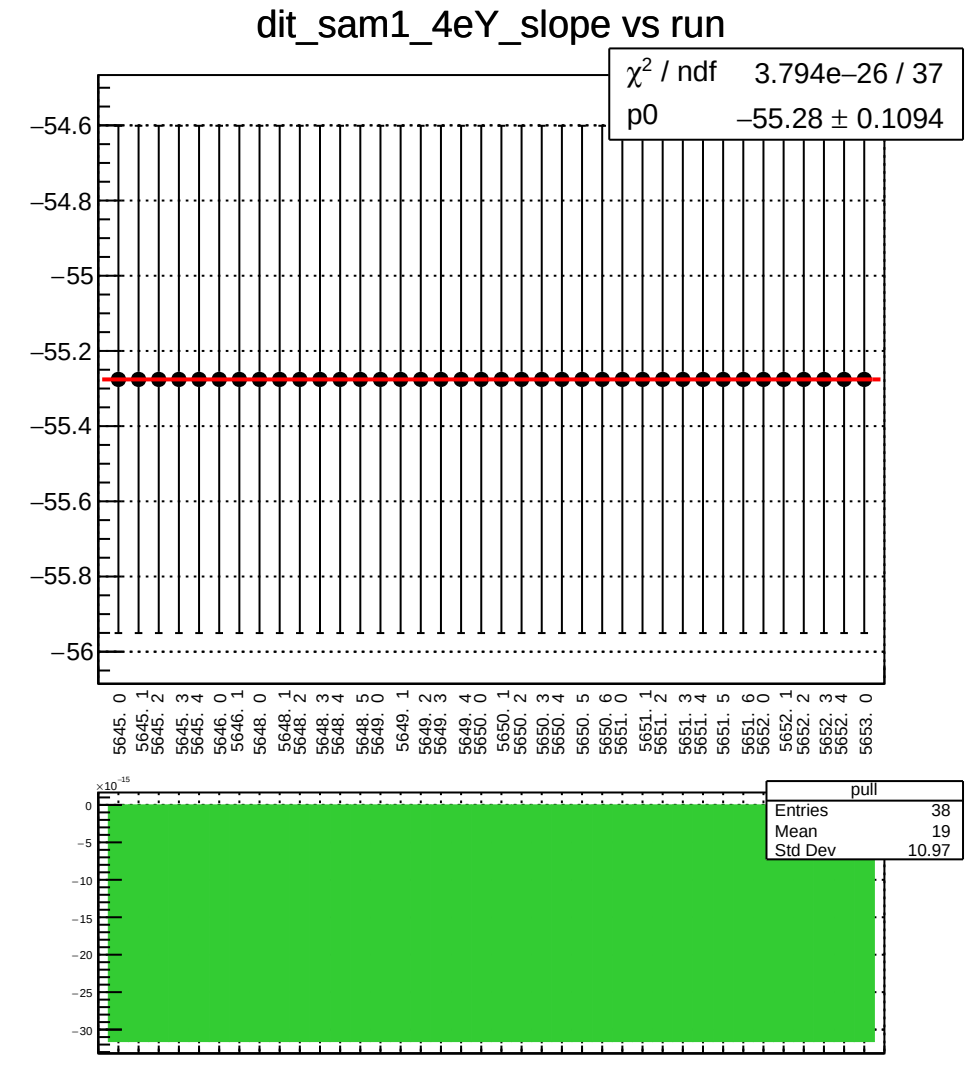

dit_sam1_4eX_slope vs run
χ² / ndf 4.116e−26 / 37
p0 −10.98 ± 0.08755
−10.4
−10.6
−10.8
−11
−11.2
−11.4
−11.6
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 38
Mean 19
Std Dev 10.97

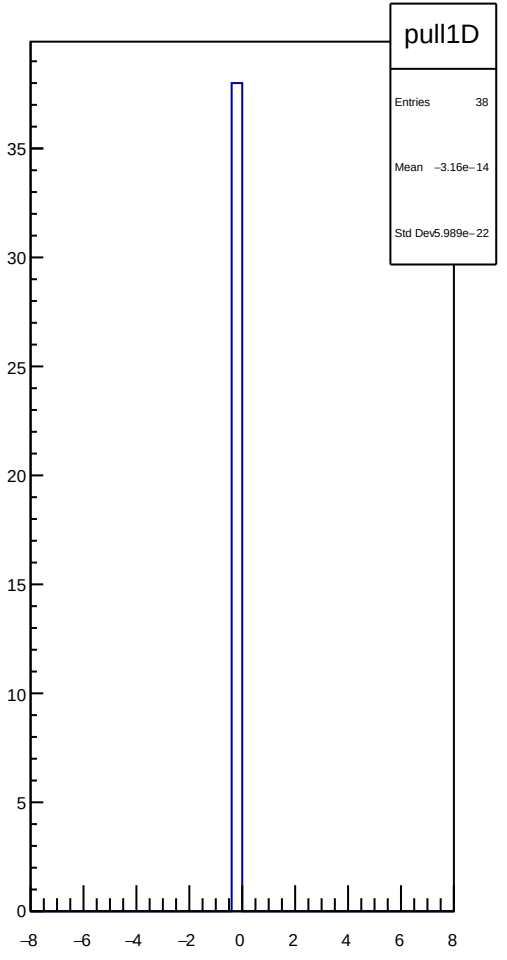

pull1D
Entries 38
Mean −3.291e−14
Std Dev 8.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

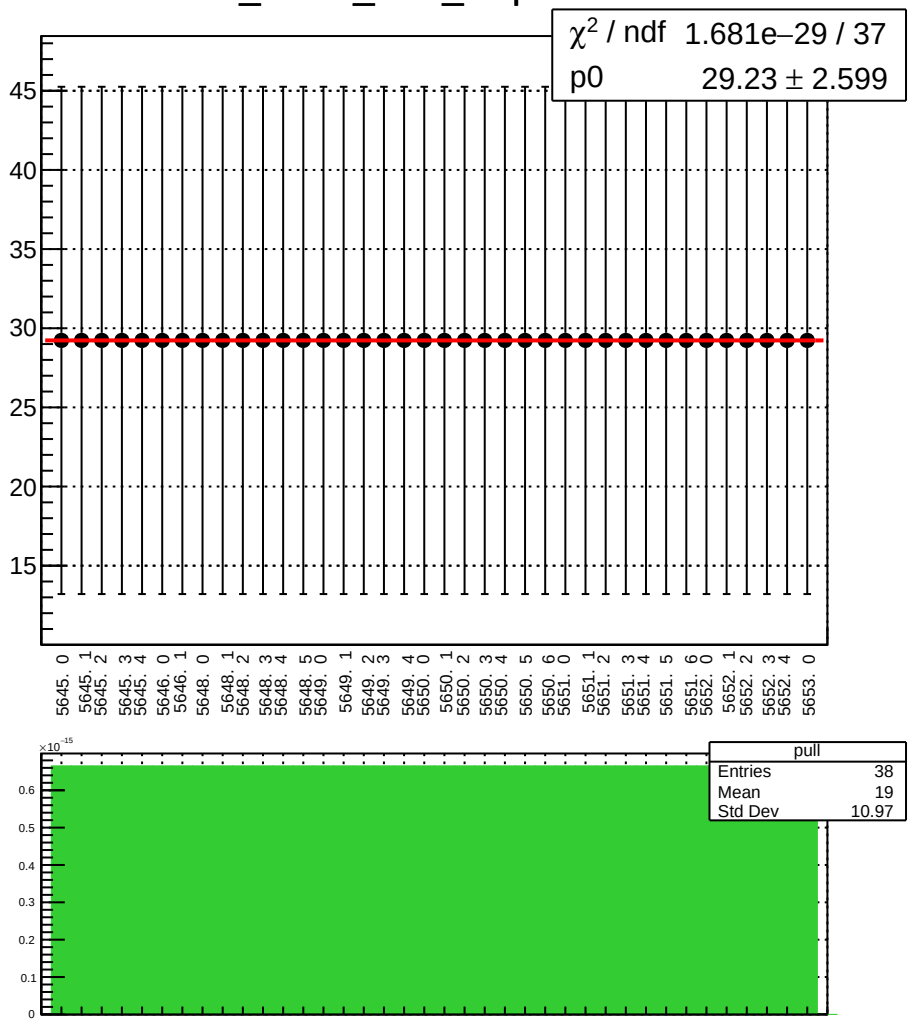

dit_sam1_11X12X_slope vs run
χ² / ndf 3.776e−28 / 37
p0 0.3177 ± 0.01428
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 38
Mean 19
Std Dev 10.97

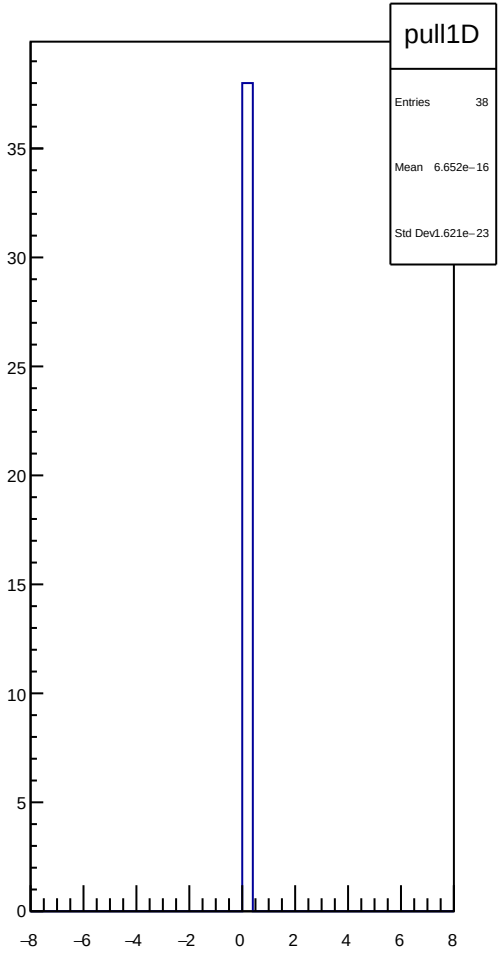

pull1D
Entries 38
Mean 3.152e−15
Std Dev 6.484e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

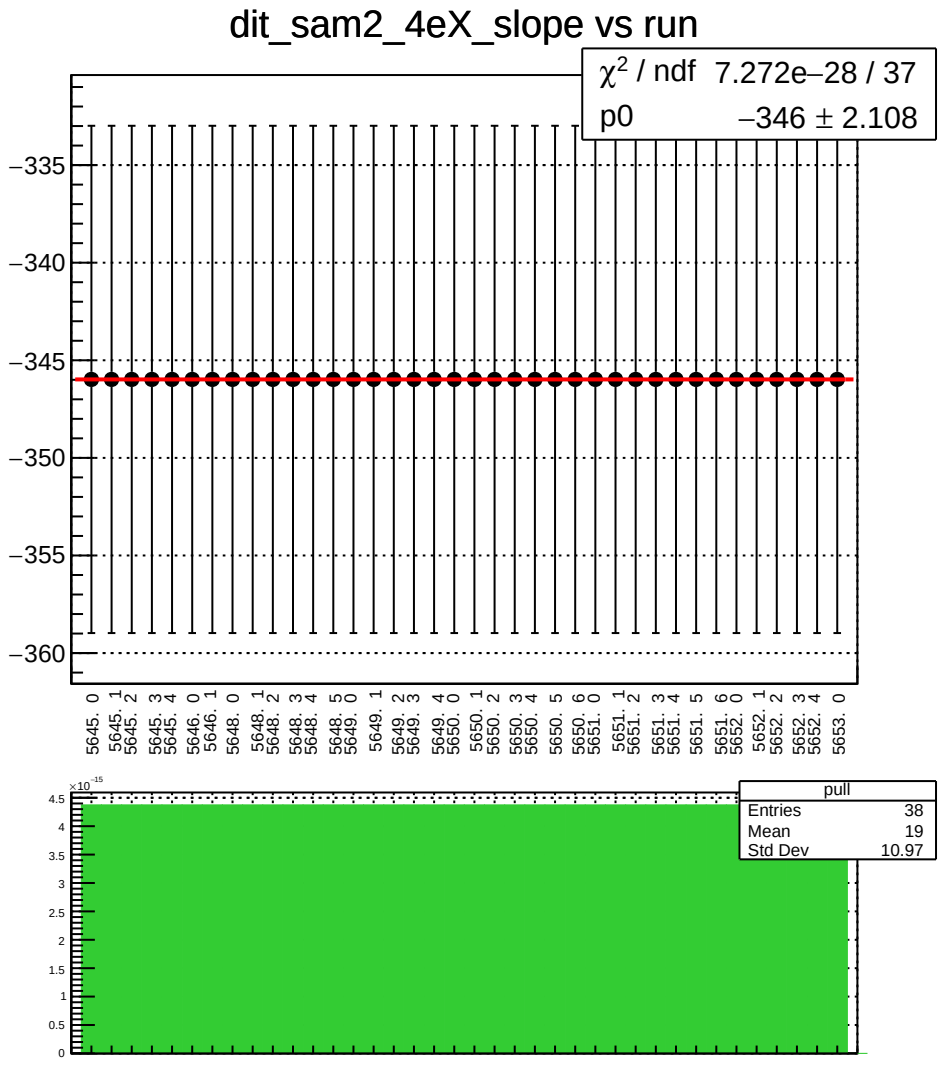

dit_sam1_4aY_slope vs run
χ² / ndf 3.547e−26 / 37
p0 −44.53 ± 0.1132
−43.8
−44
−44.2
−44.4
−44.6
−44.8
−45
−45.2
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −3.055e−14
Std Dev 9.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

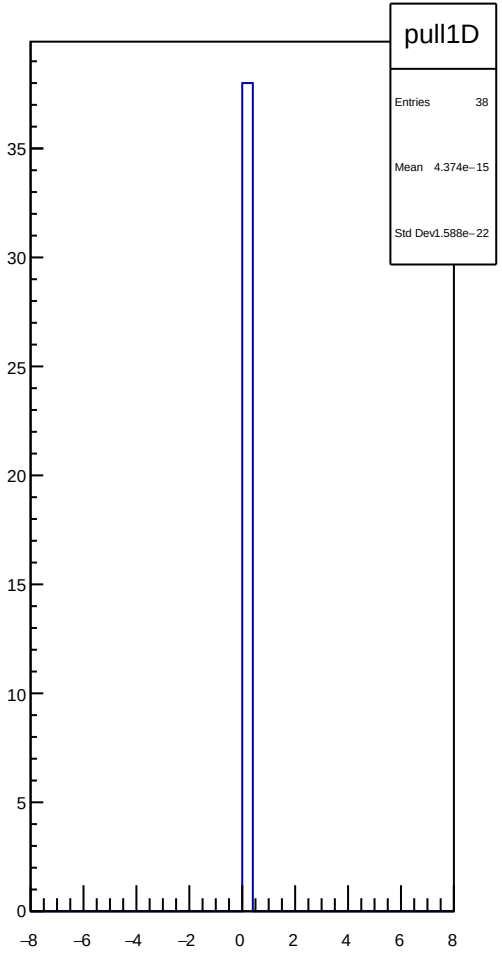

dit_sam1_4eY_slope vs run
χ² / ndf 3.794e−26 / 37
p0 −55.28 ± 0.1094
−54.6
−54.8
−55
−55.2
−55.4
−55.6
−55.8
−56
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 38
Mean 19
Std Dev 10.97

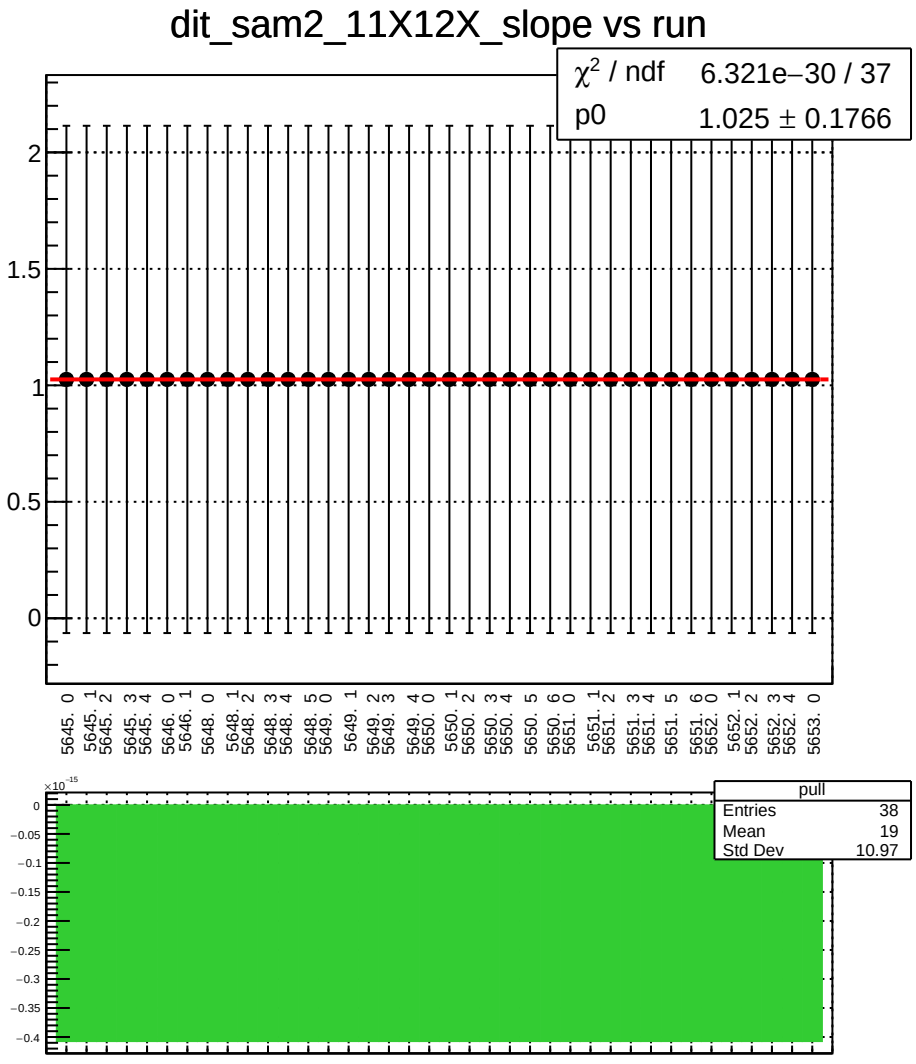

pull1D
Entries 38
Mean −3.16e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

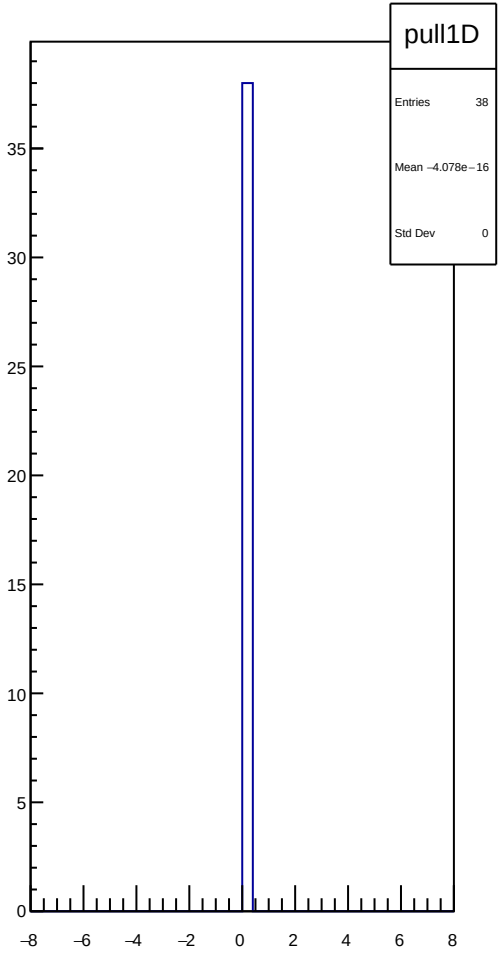

dit_sam2_4aX_slope vs run
χ² / ndf 1.681e−29 / 37
p0 29.23 ± 2.599
45
40
35
30
25
20
15
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 38
Mean 19
Std Dev 10.97

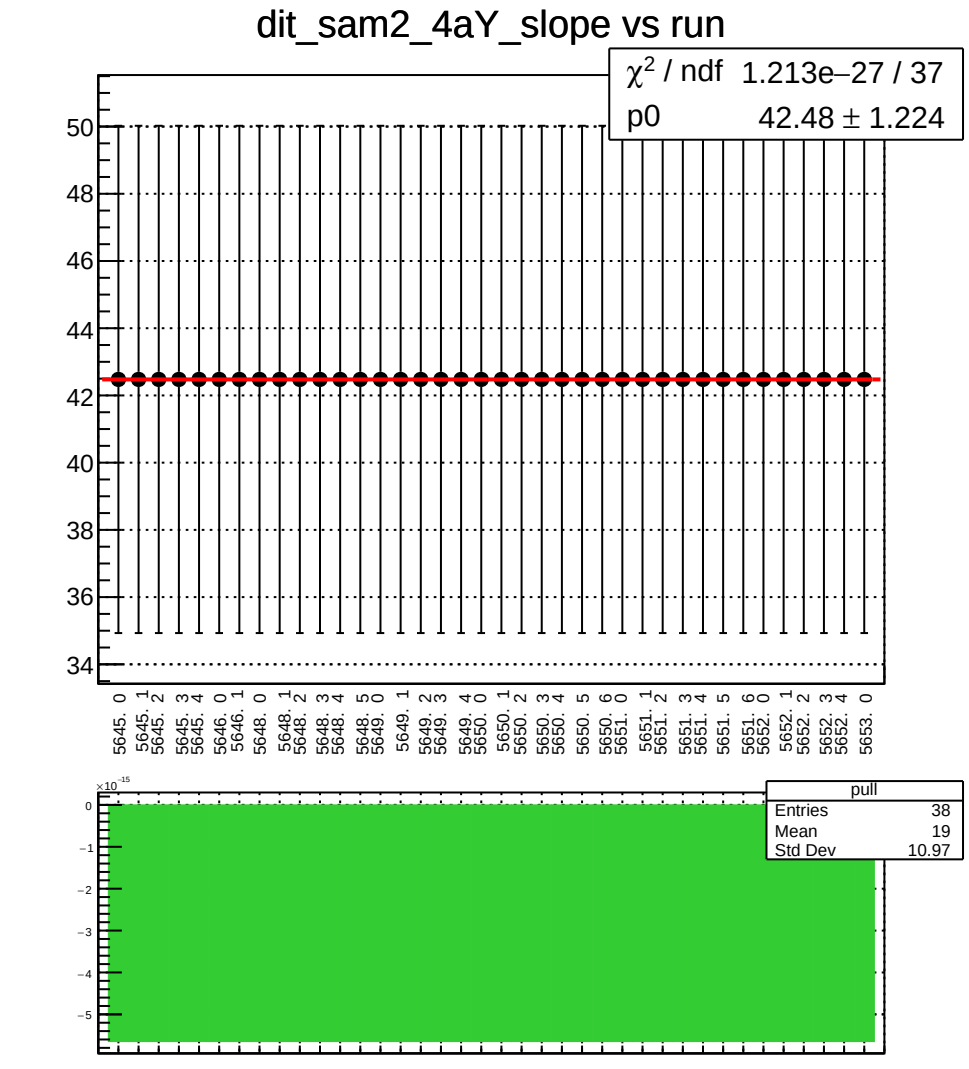

pull1D
Entries 38
Mean 6.652e−16
Std Dev1.621e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

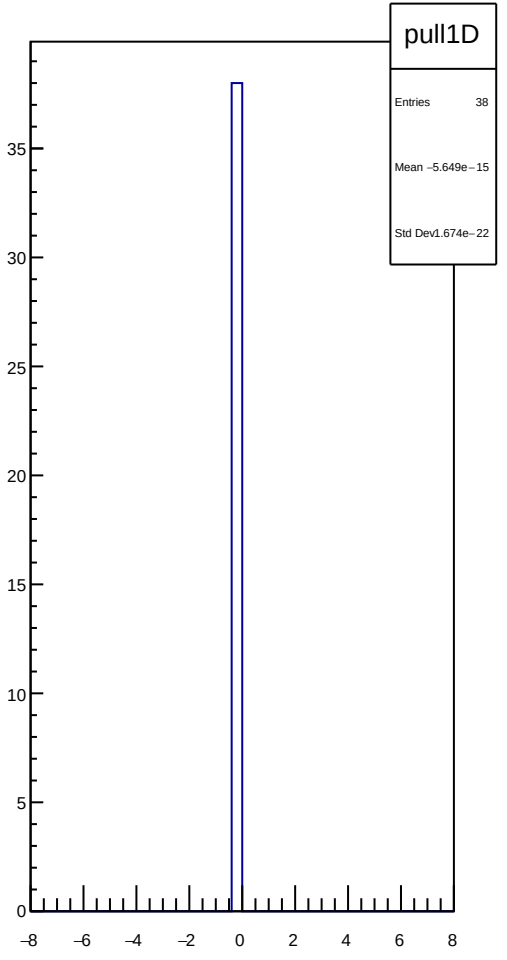

dit_sam2_4eX_slope vs run
χ² / ndf 7.272e−28 / 37
p0 −346 ± 2.108
−335
−340
−345
−350
−355
−360
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 38
Mean 19
Std Dev 10.97

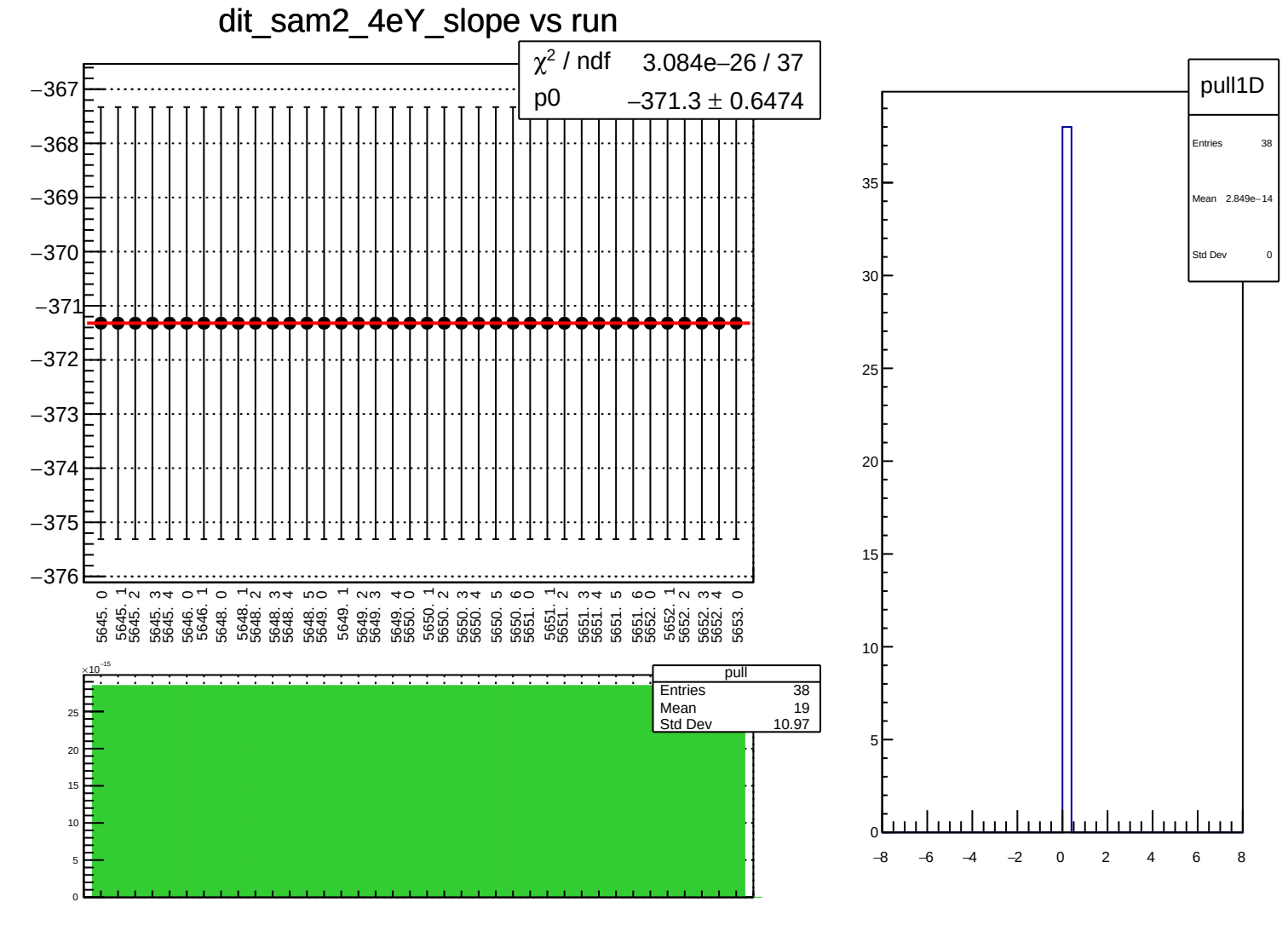

pull1D
Entries 38
Mean 4.374e−15
Std Dev1.588e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

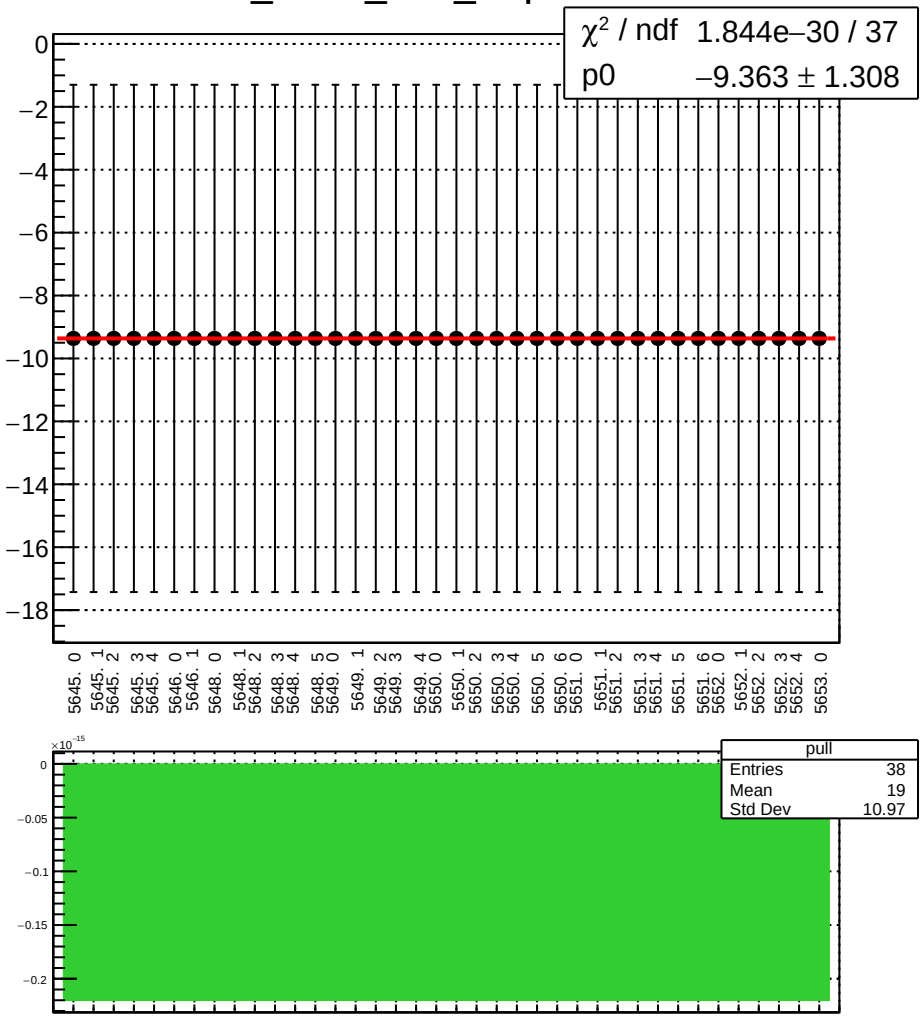

dit_sam2_11X12X_slope vs run
χ² / ndf 6.321e−30 / 37
p0 1.025 ± 0.1766
2
1.5
1
0.5
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 38
Mean 19
Std Dev 10.97

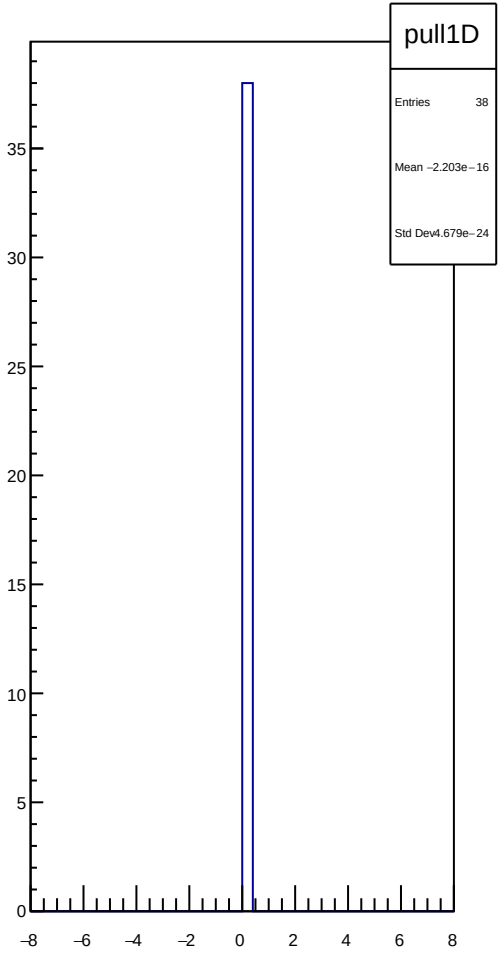

pull1D
Entries 38
Mean −4.078e−16
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

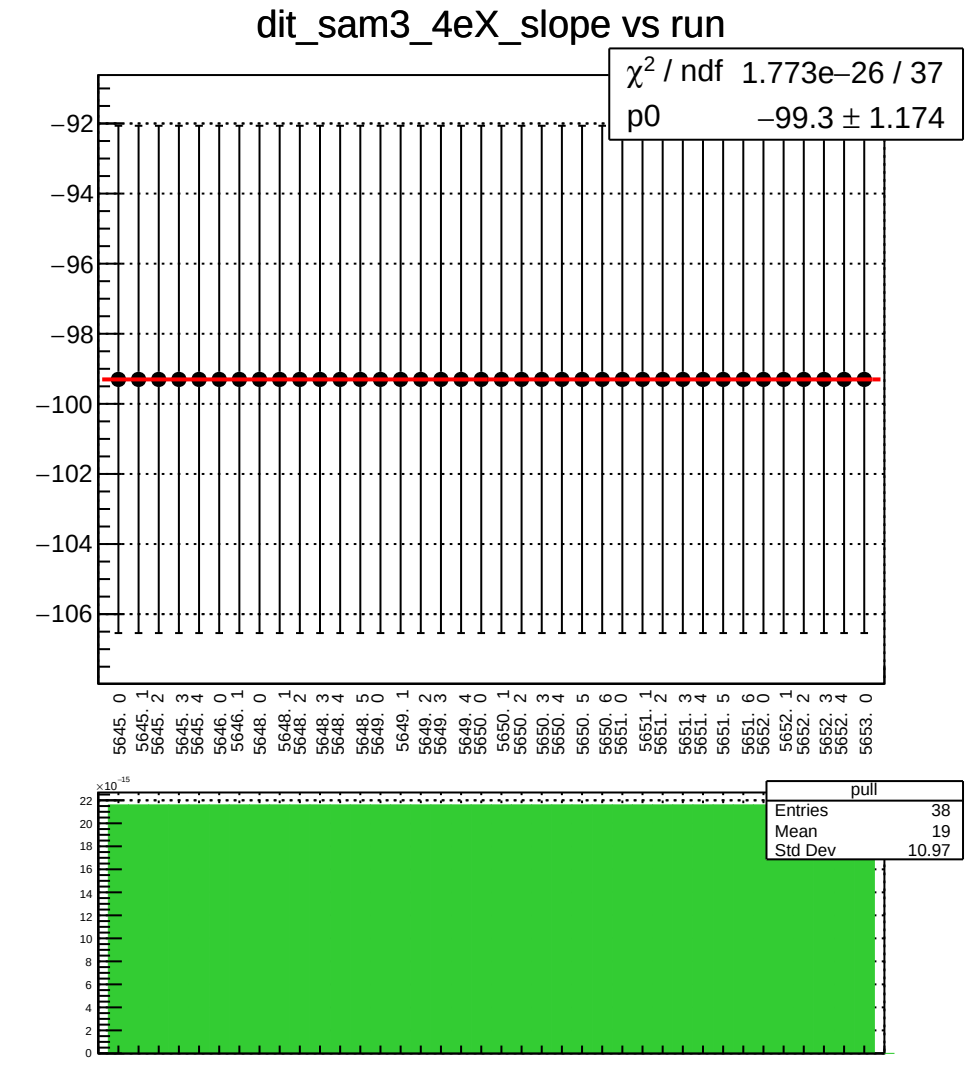

dit_sam2_4aY_slope vs run
χ² / ndf 1.213e−27 / 37
p0 42.48 ± 1.224
50
48
46
44
42
40
38
36
34
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 38
Mean 19
Std Dev 10.97

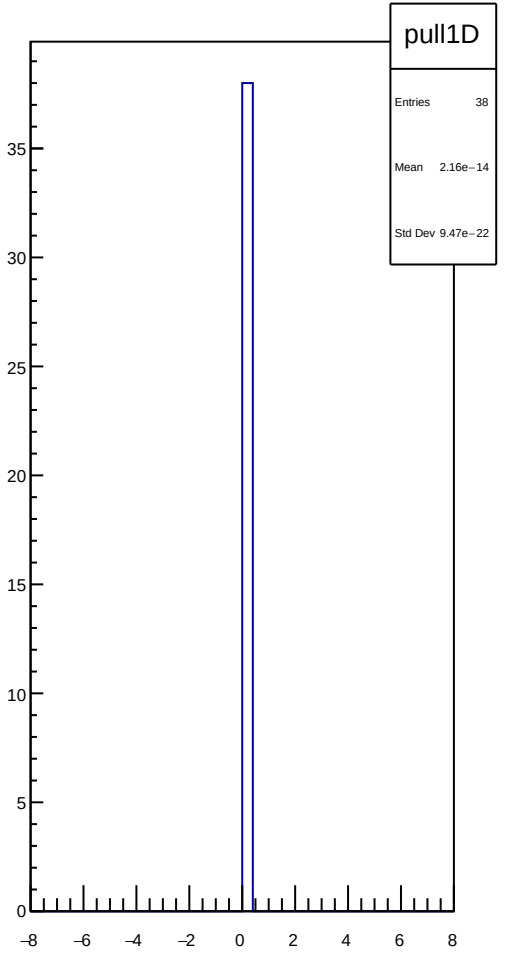

pull1D
Entries 38
Mean −5.649e−15
Std Dev1.674e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

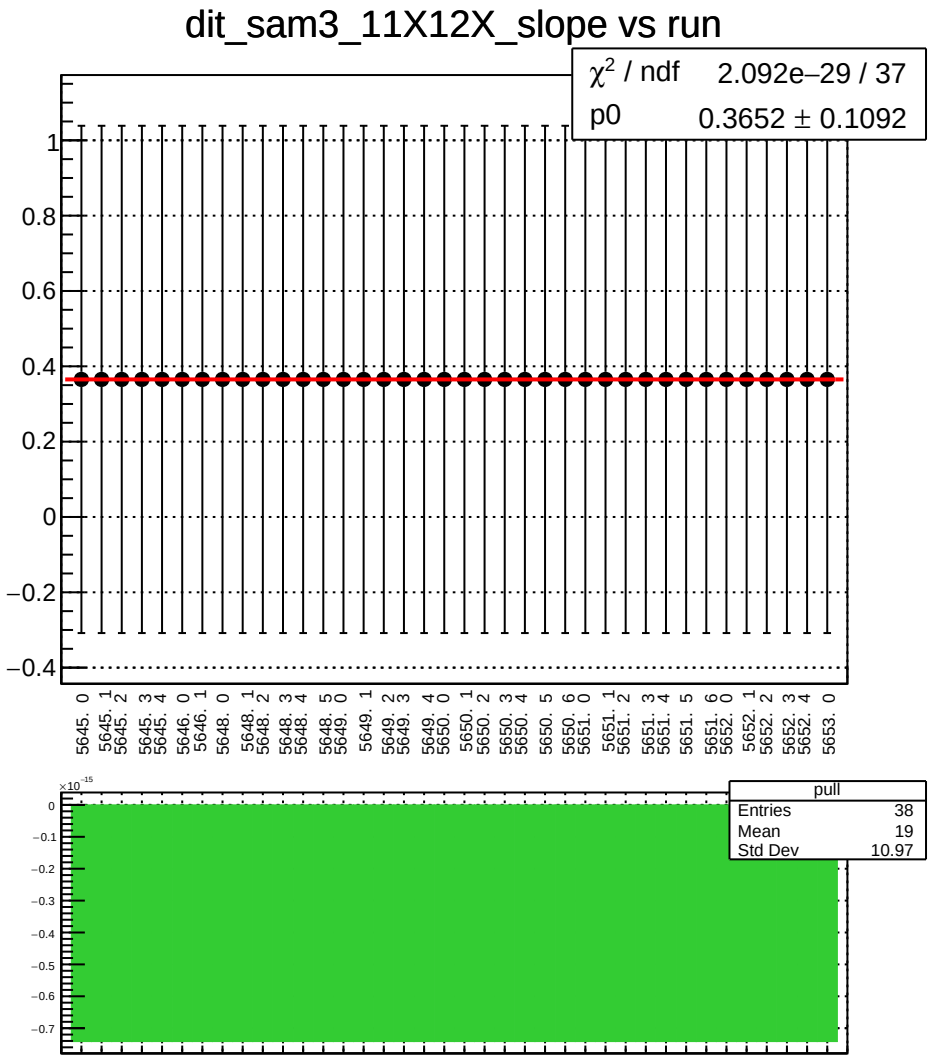

dit_sam2_4eY_slope vs run
χ² / ndf 3.084e−26 / 37
p0 −371.3 ± 0.6474
−367
−368
−369
−370
−371
−372
−373
−374
−375
−376
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean 2.849e−14
Std Dev 0

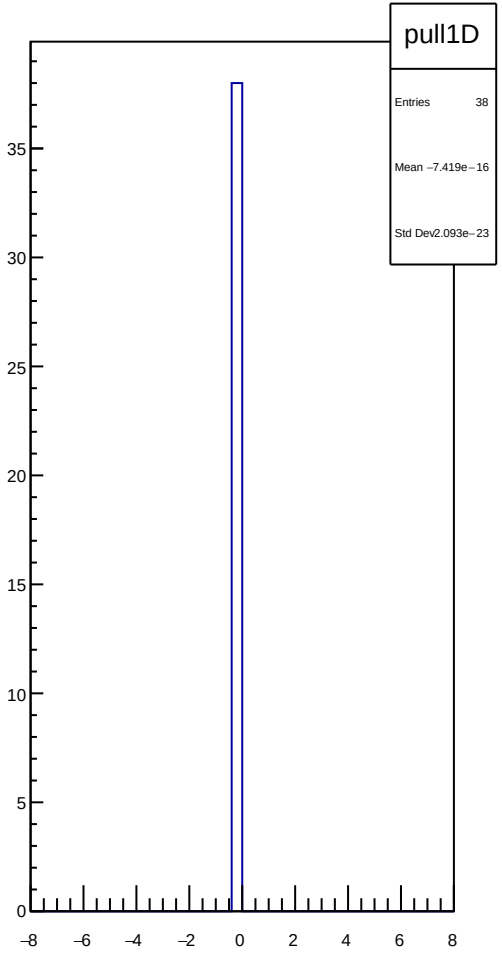

dit_sam3_4aX_slope vs run
χ² / ndf 1.844e−30 / 37
p0 −9.363 ± 1.308
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 38
Mean 19
Std Dev 10.97

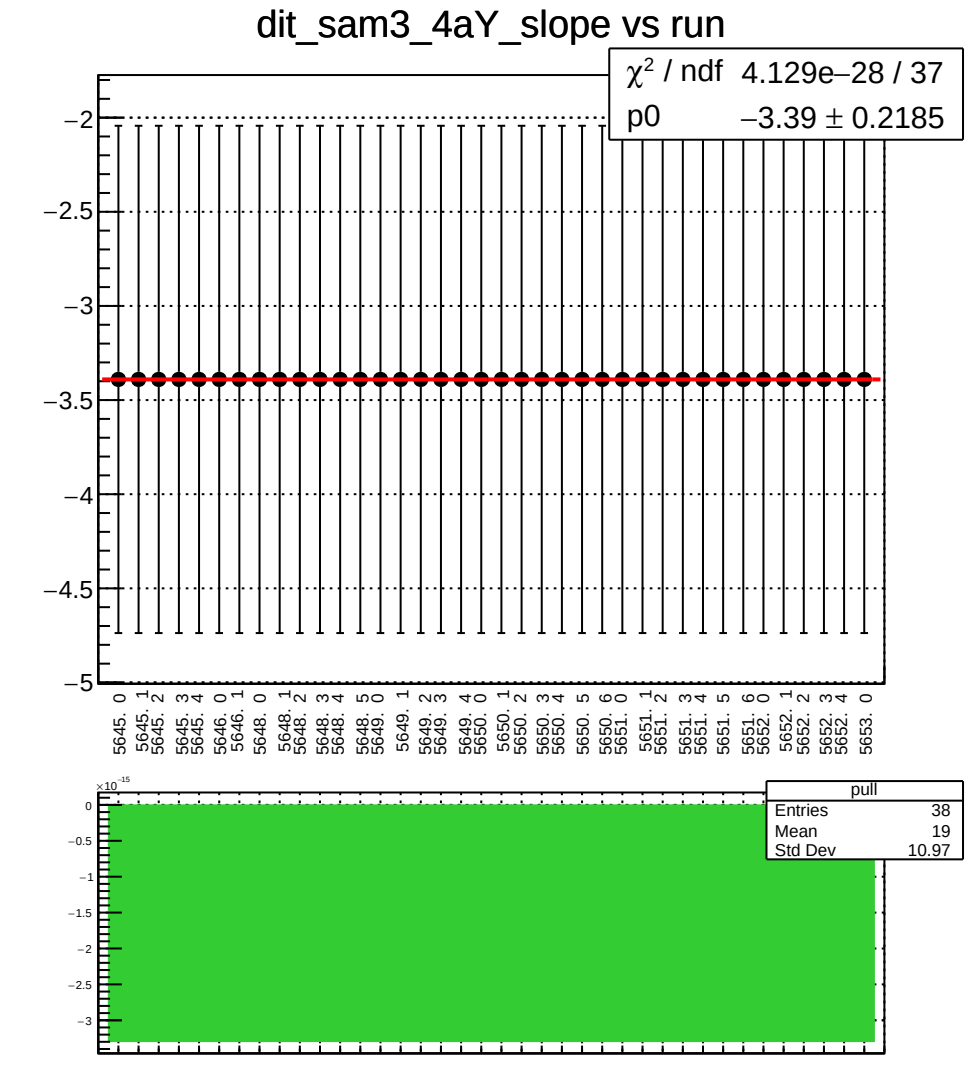

pull1D
Entries 38
Mean −2.203e−16
Std Dev4.679e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

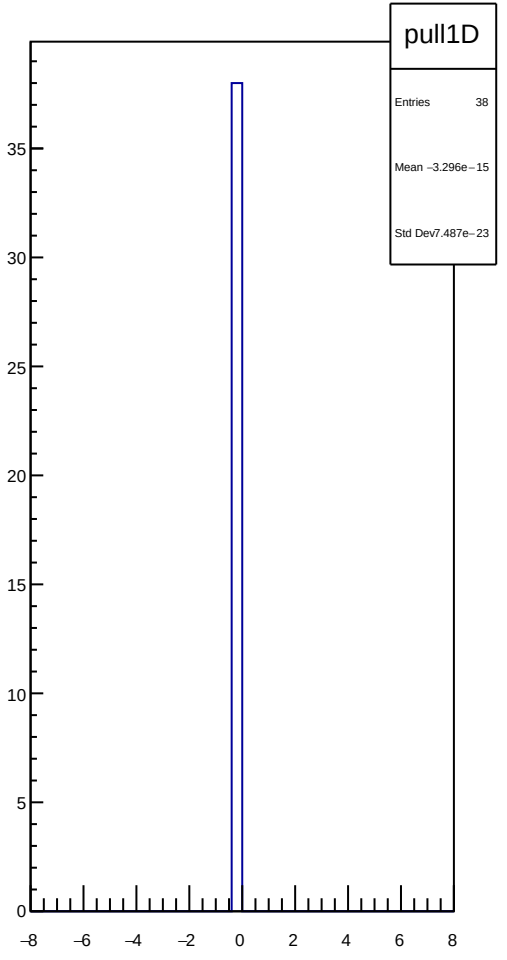

dit_sam3_4eX_slope vs run
χ² / ndf 1.773e−26 / 37
p0 −99.3 ± 1.174
−92
−94
−96
−98
−100
−102
−104
−106
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 38
Mean 19
Std Dev 10.97

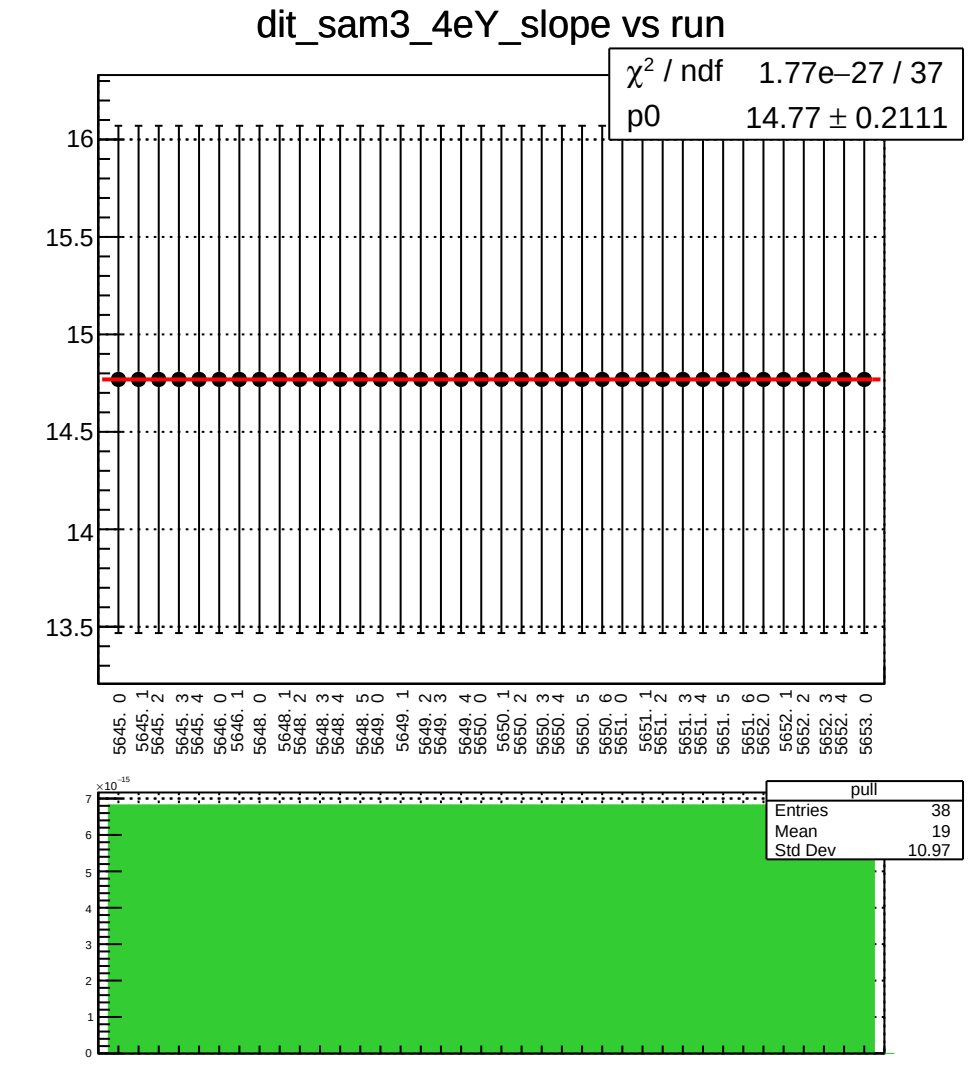

pull1D
Entries 38
Mean 2.16e−14
Std Dev 9.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

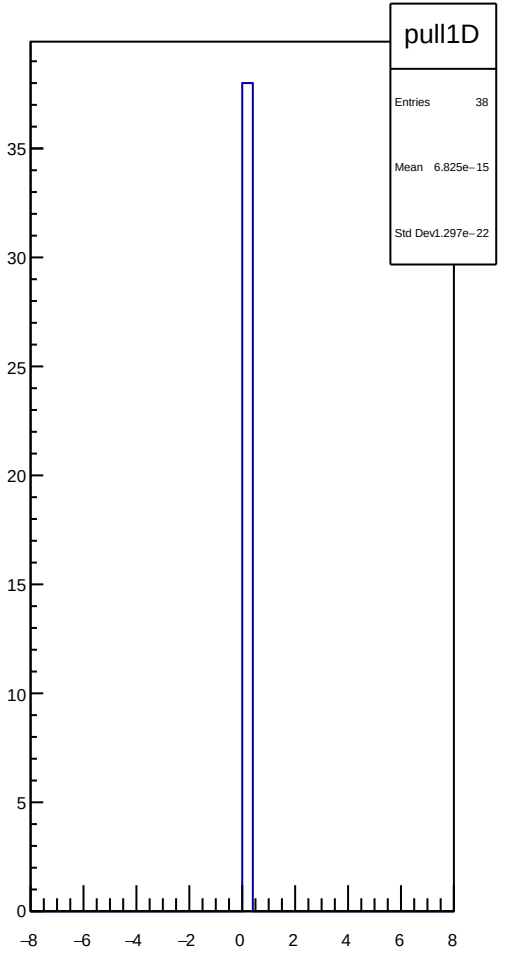

dit_sam3_11X12X_slope vs run
χ² / ndf 2.092e−29 / 37
p0 0.3652 ± 0.1092
pull
Entries 38
Mean 19
Std Dev 10.97

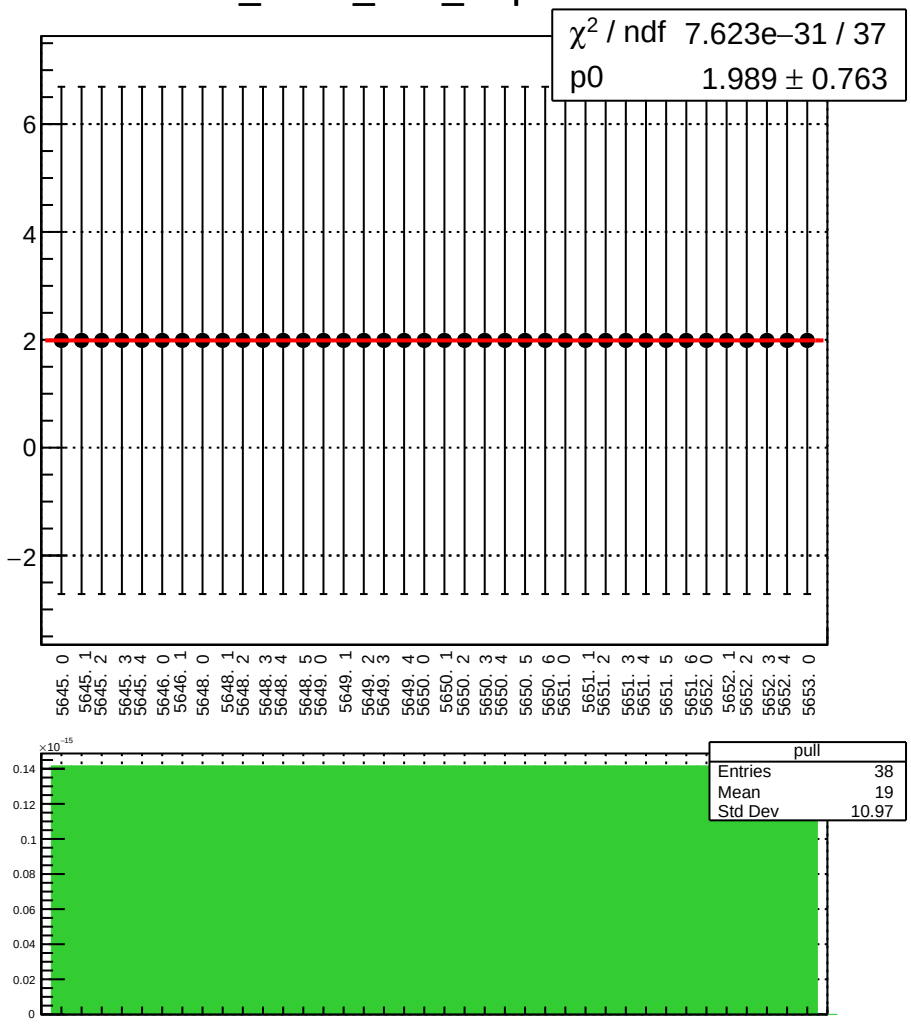

pull1D
Entries 38
Mean −7.419e−16
Std Dev2.093e−23

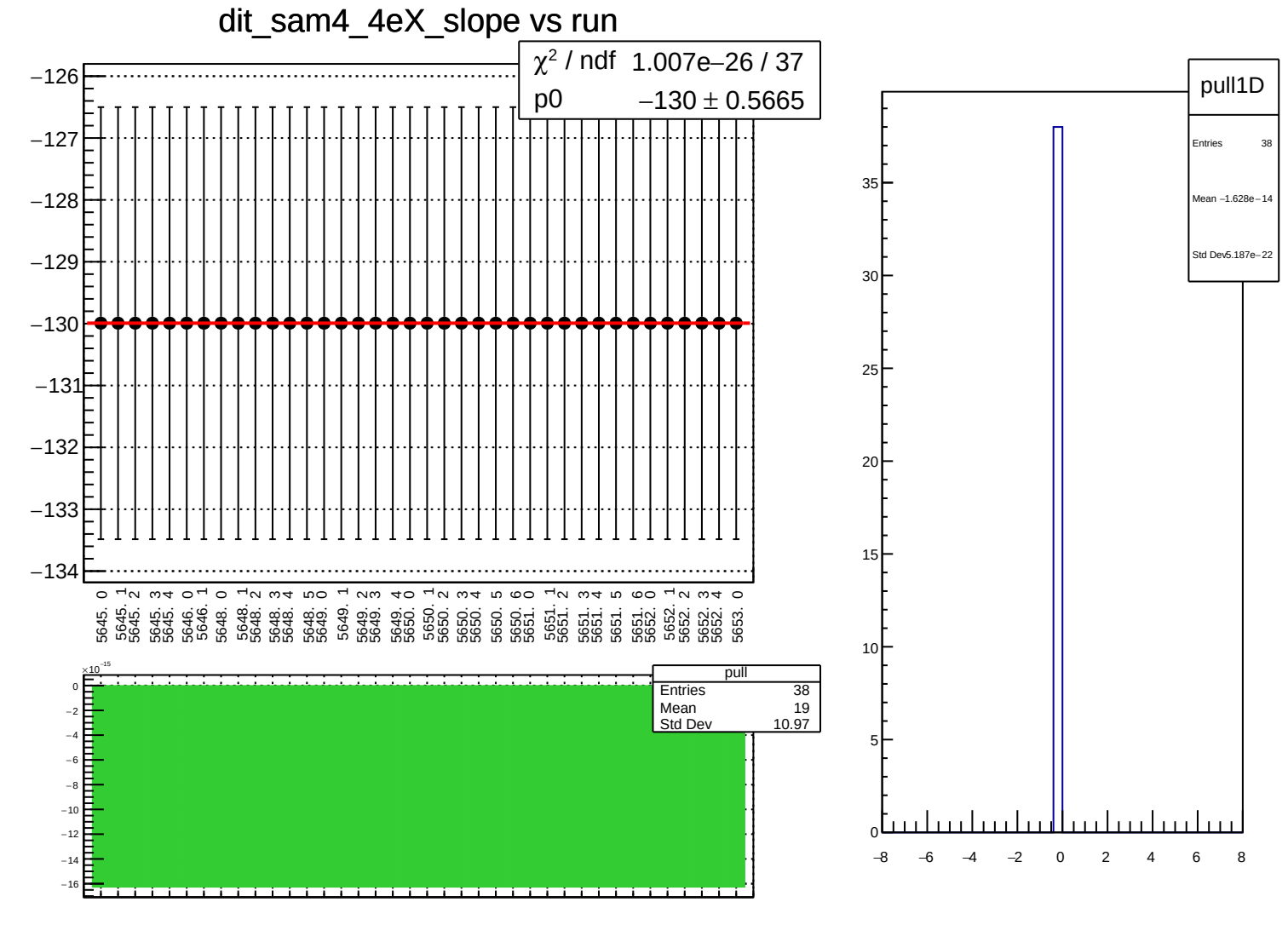

dit_sam3_4aY_slope vs run
χ² / ndf 4.129e−28 / 37
p0 −3.39 ± 0.2185
−2
−2.5
−3
−3.5
−4
−4.5
−5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 38
Mean 19
Std Dev 10.97

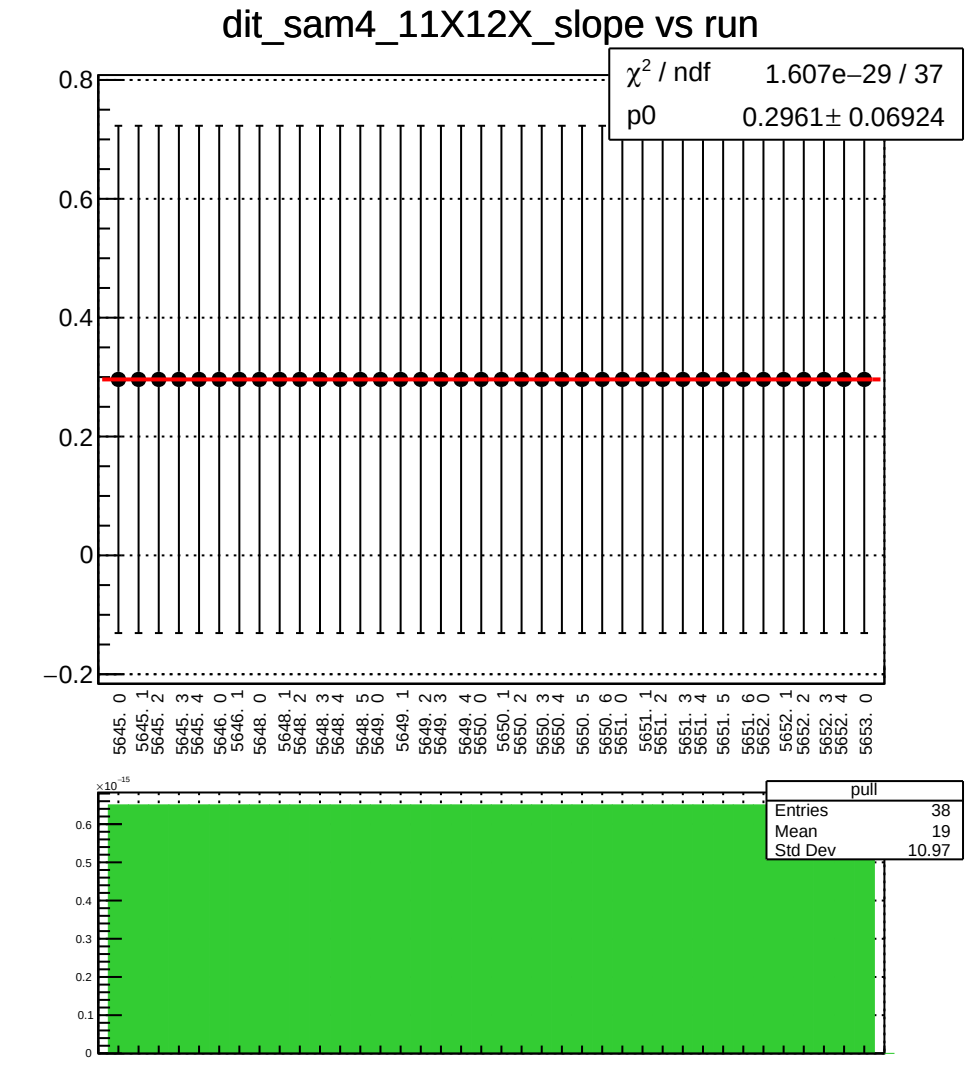

pull1D
Entries 38
Mean −3.296e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

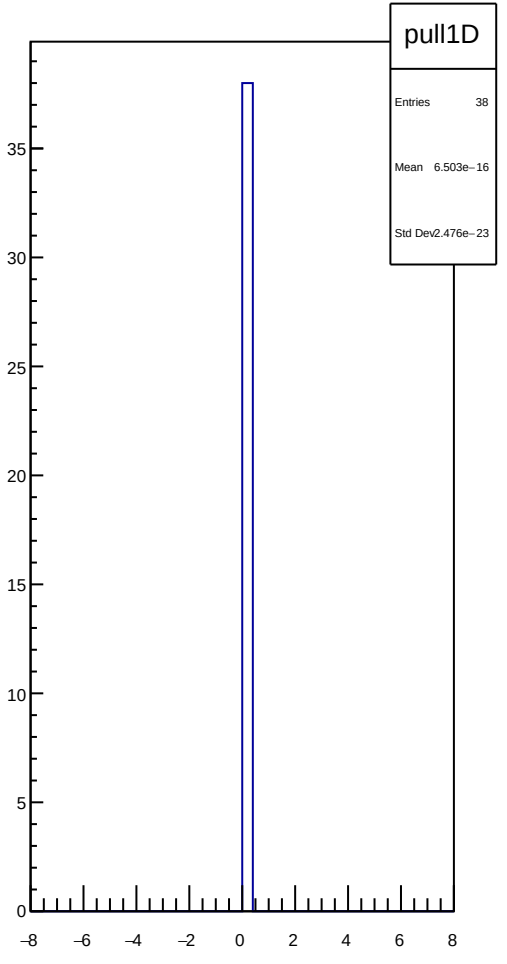

dit_sam3_4eY_slope vs run
χ² / ndf 1.77e−27 / 37
p0 14.77 ± 0.2111
16
15.5
15
14.5
14
13.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull
Entries 38
Mean 19
Std Dev 10.97

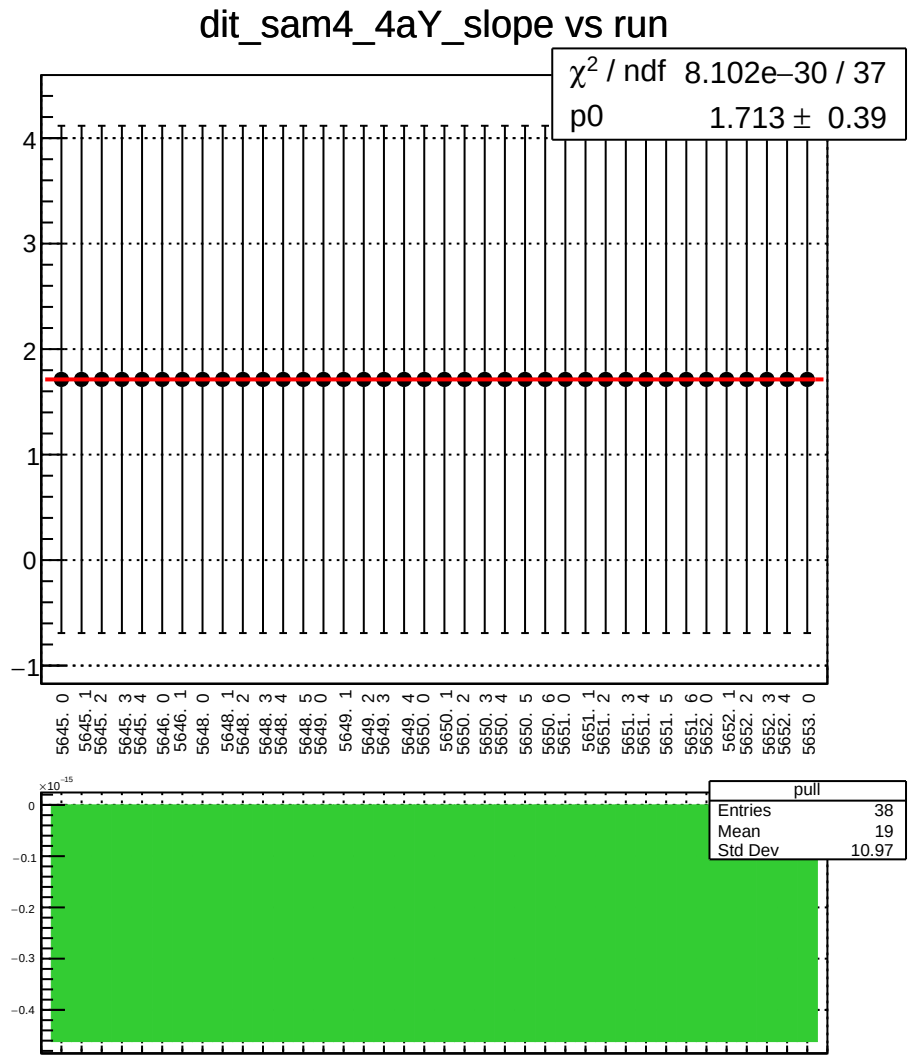

pull1D
Entries 38
Mean 6.825e−15
Std Dev1.297e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

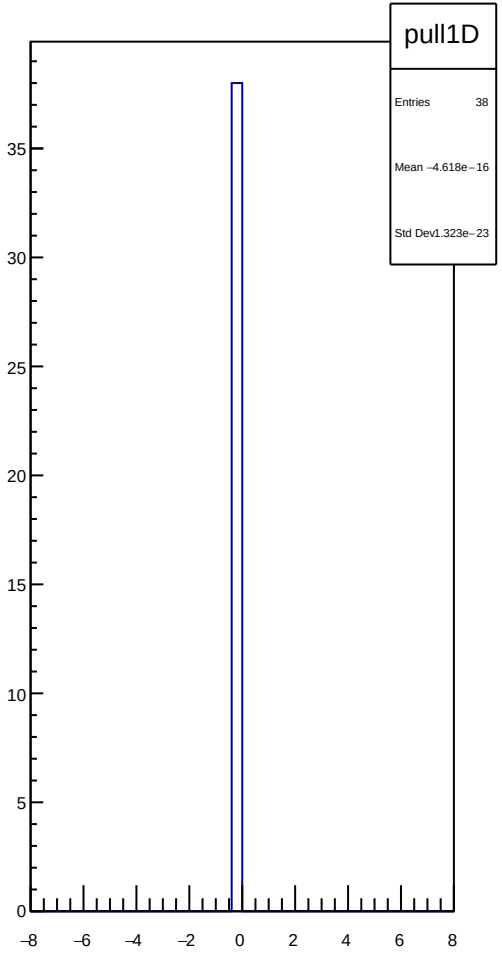

dit_sam4_4aX_slope vs run
χ² / ndf 7.623e−31 / 37
p0 1.989 ± 0.763
6
4
2
0
−2
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean 1.416e−16
Std Dev 2.34e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

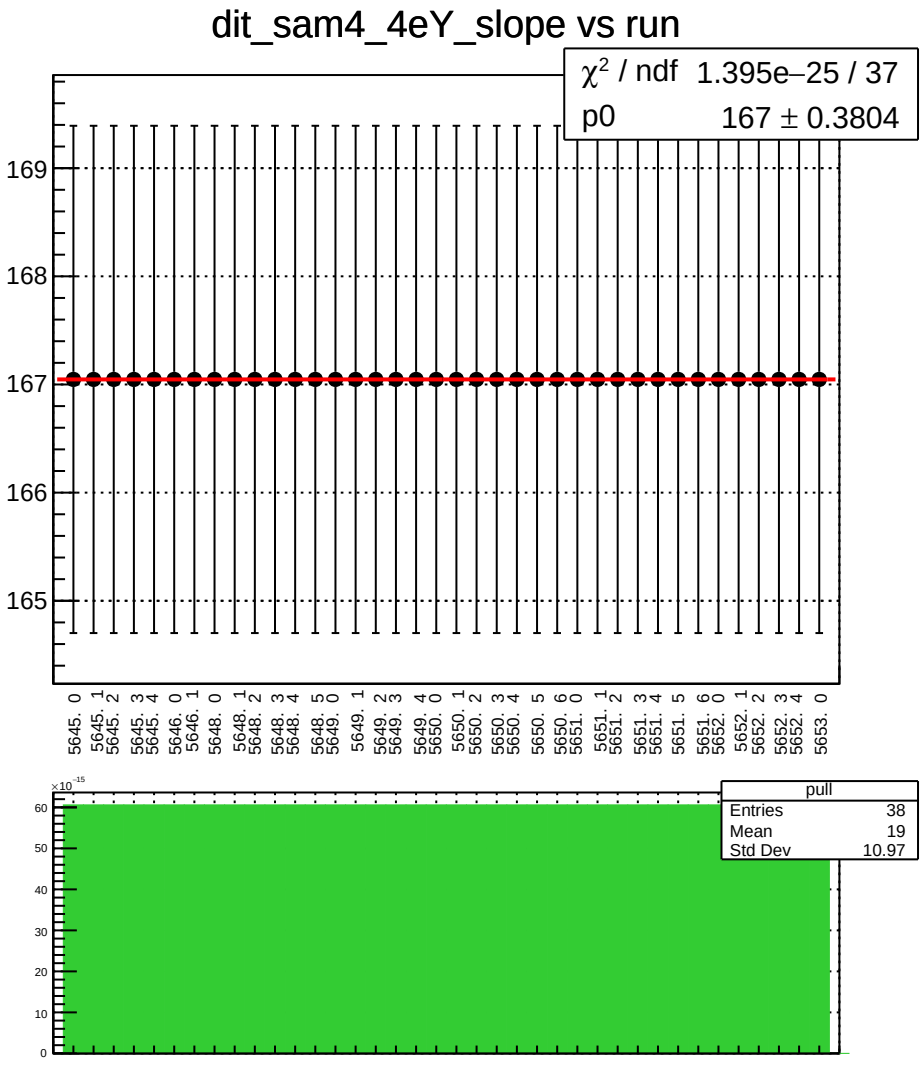

dit_sam4_4eX_slope vs run
χ² / ndf 1.007e−26 / 37
p0 −130 ± 0.5665
−126
−127
−128
−129
−130
−131
−132
−133
−134
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −1.628e−14
Std Dev5.187e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

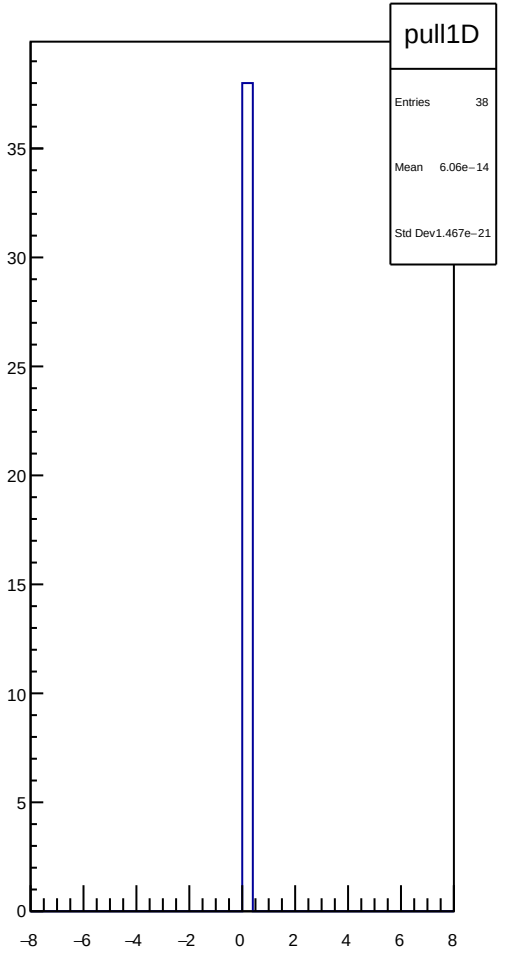

dit_sam4_11X12X_slope vs run
χ² / ndf 1.607e−29 / 37
p0 0.2961± 0.06924
0.8
0.6
0.4
0.2
0
−0.2
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 38
Mean 19
Std Dev 10.97

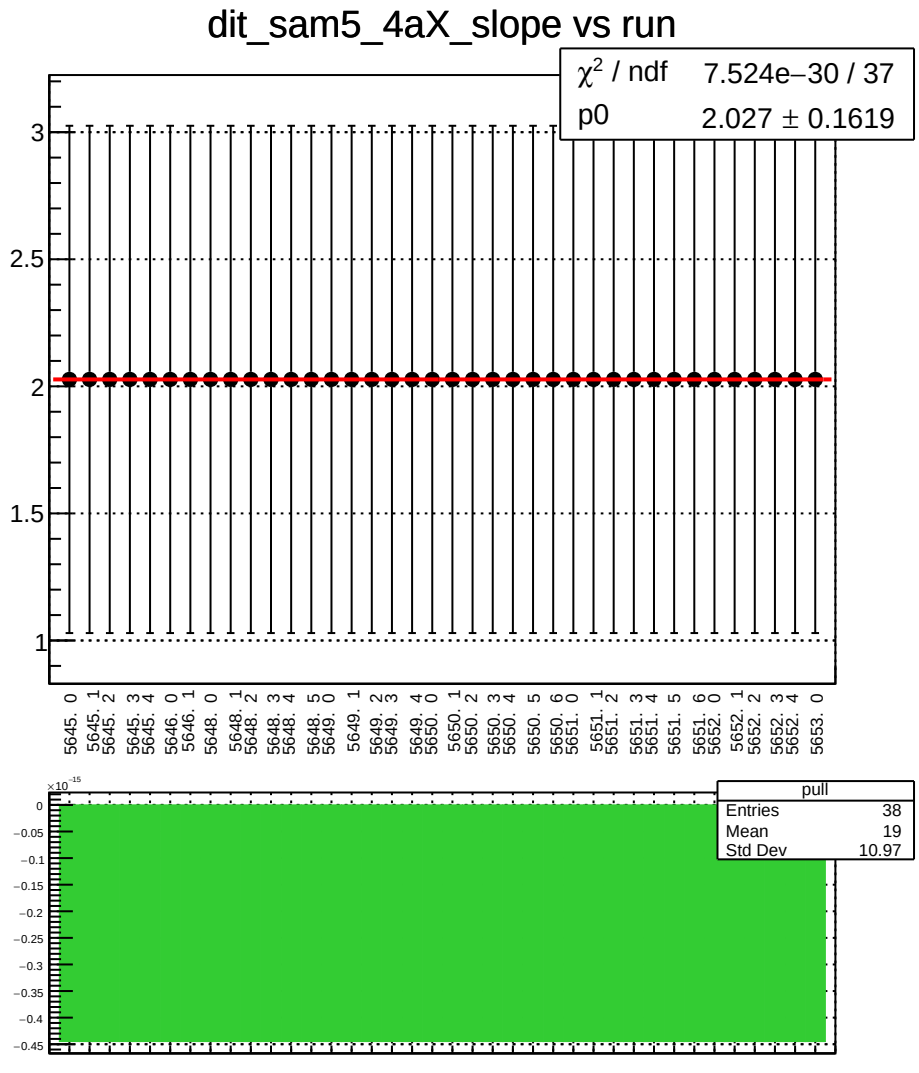

pull1D
Entries 38
Mean 6.503e−16
Std Dev2.476e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

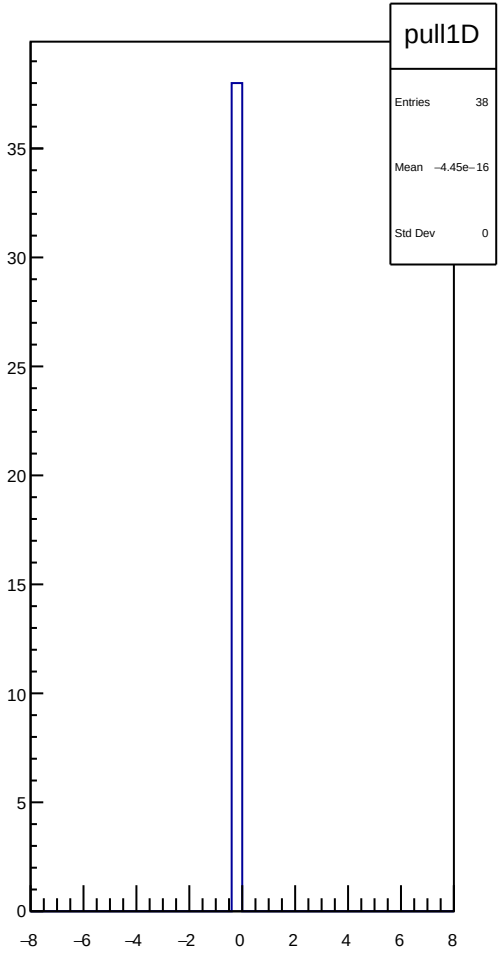

dit_sam4_4aY_slope vs run
χ² / ndf 8.102e−30 / 37
p0 1.713 ± 0.39
4
3
2
1
0
−1
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 38
Mean 19
Std Dev 10.97

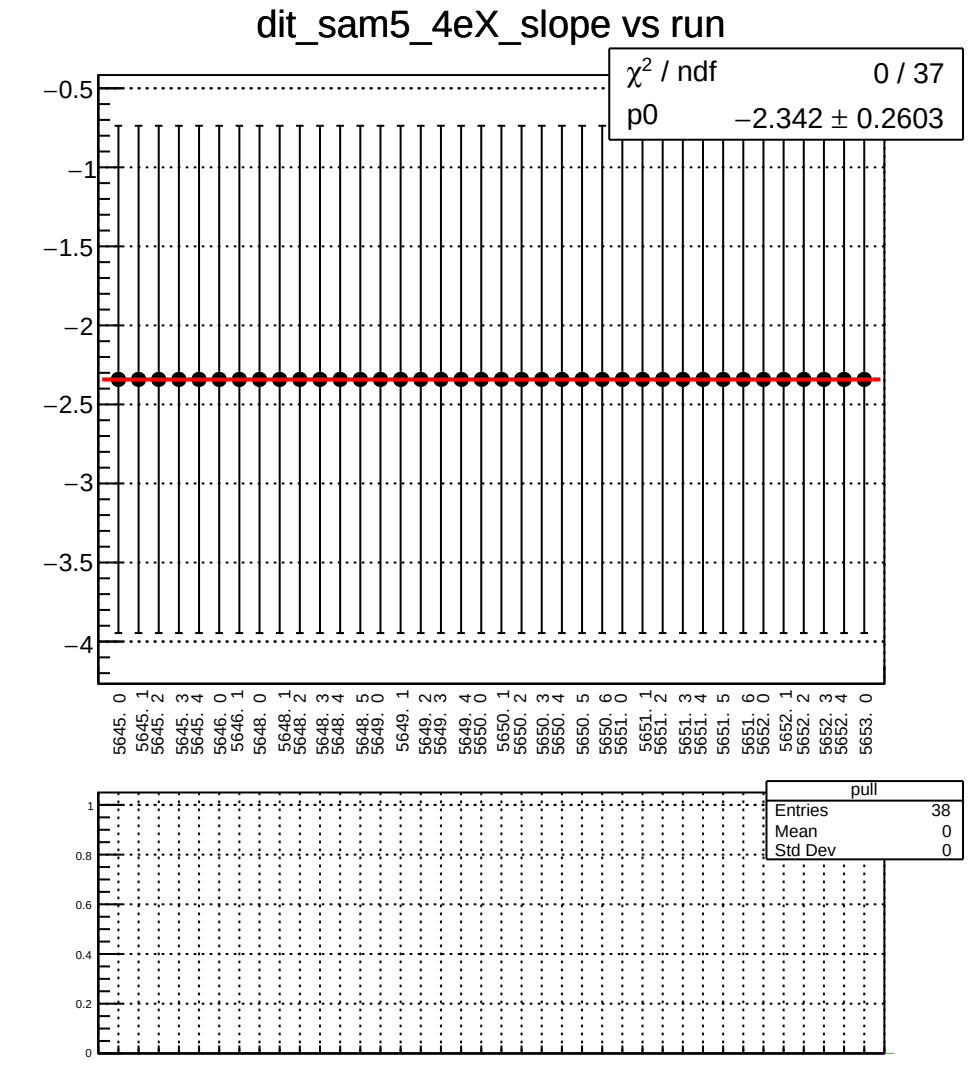

pull1D
Entries 38
Mean −4.618e−16
Std Dev1.323e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

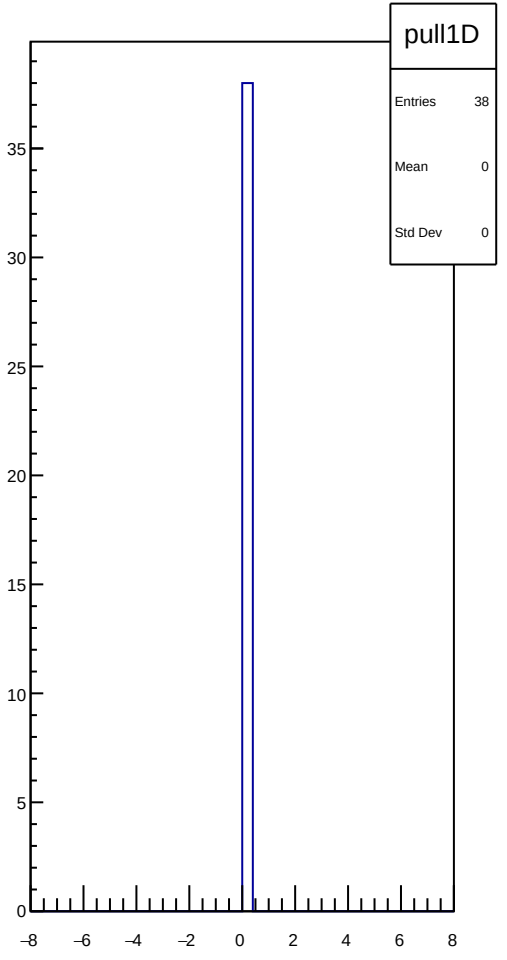

dit_sam4_4eY_slope vs run
χ² / ndf 1.395e−25 / 37
p0 167 ± 0.3804
169
168
167
166
165
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 38
Mean 19
Std Dev 10.97

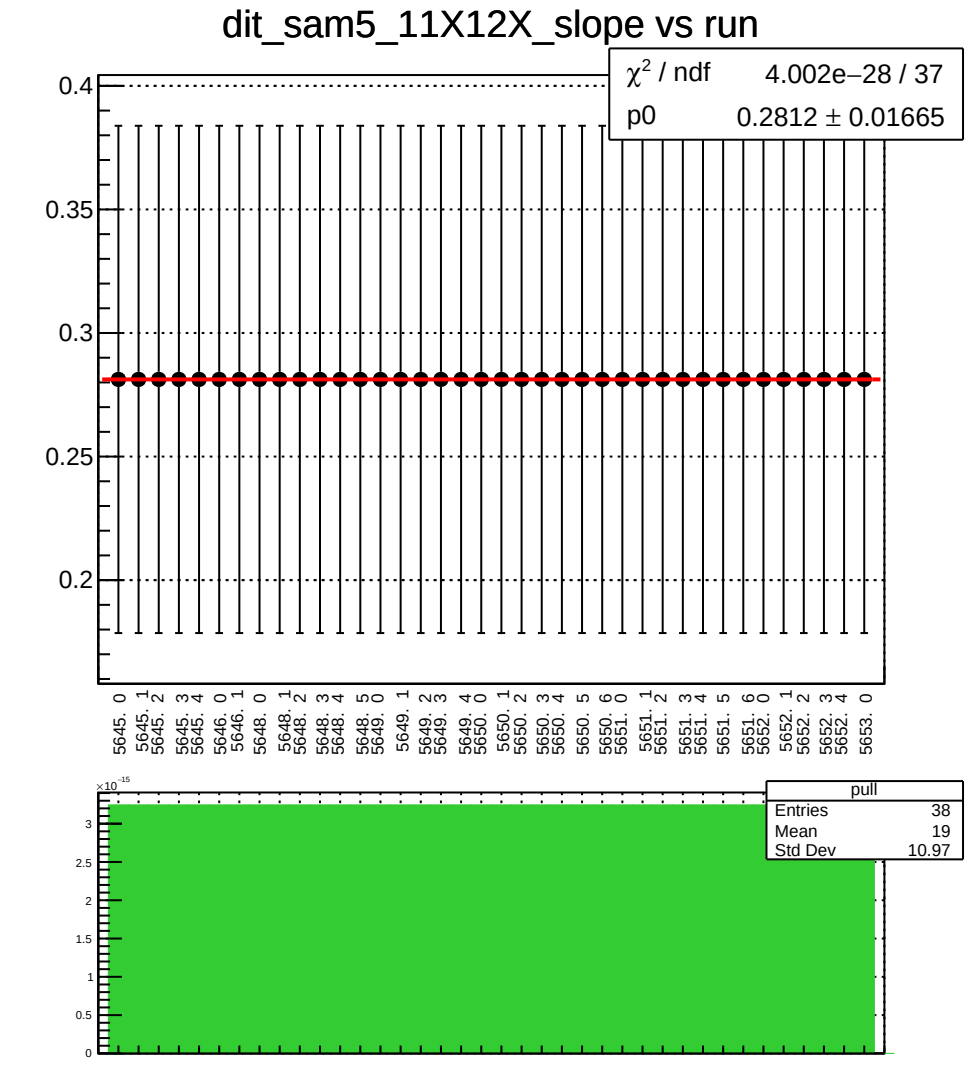

pull1D
Entries 38
Mean 6.06e−14
Std Dev 1.467e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

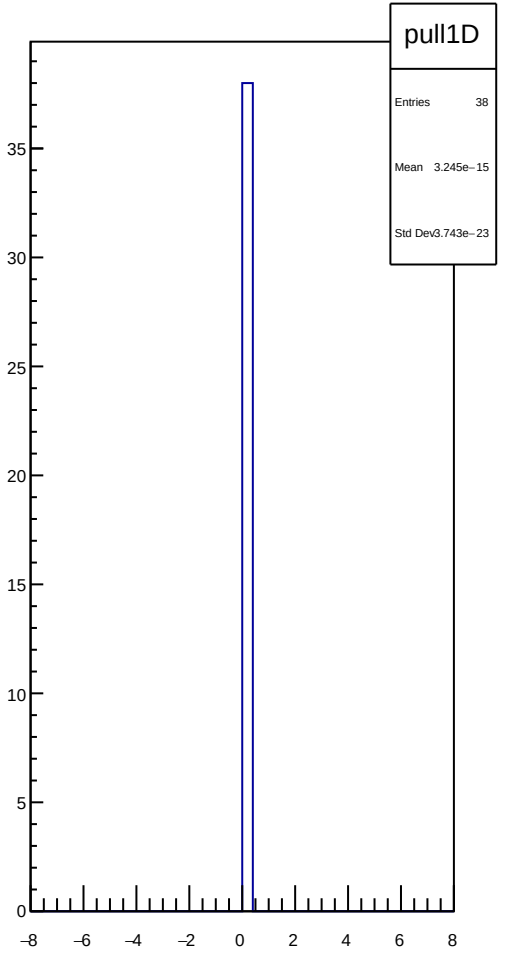

dit_sam5_4aX_slope vs run
χ² / ndf 7.524e−30 / 37
p0 2.027 ± 0.1619
3
2.5
2
1.5
1
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 38
Mean 19
Std Dev 10.97

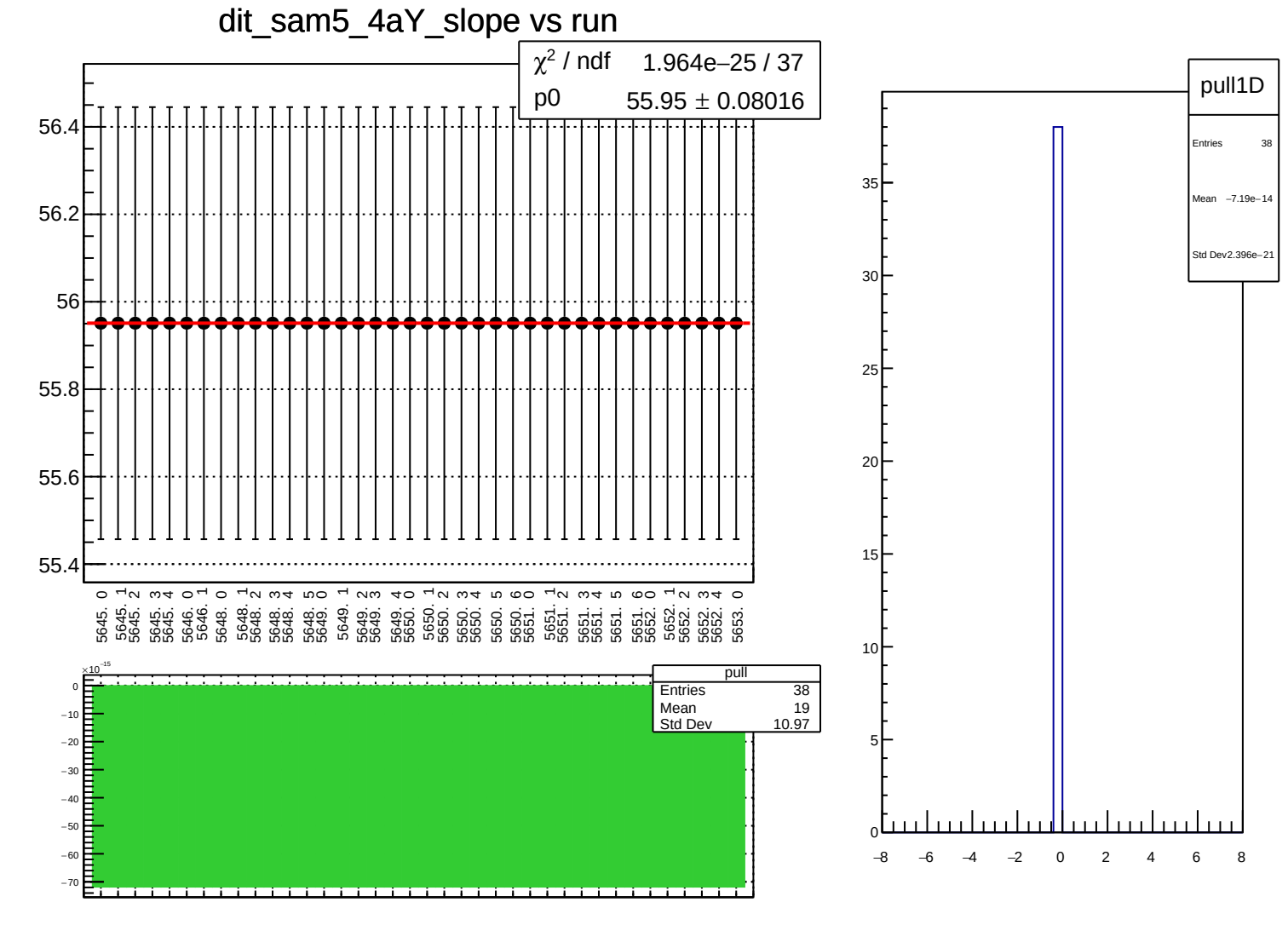

pull1D
Entries 38
Mean −4.45e−16
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

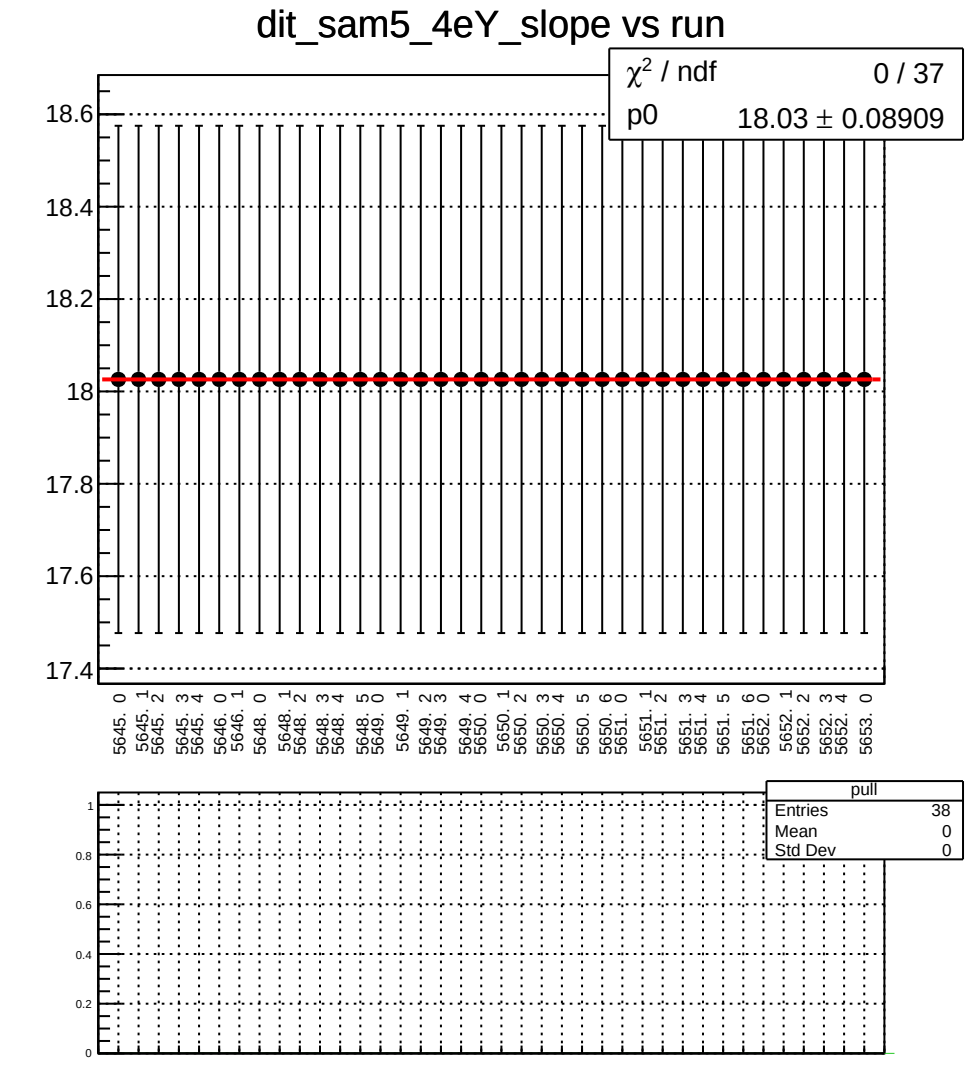

dit_sam5_4eX_slope vs run
χ² / ndf 0 / 37
p0 −2.342 ± 0.2603
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

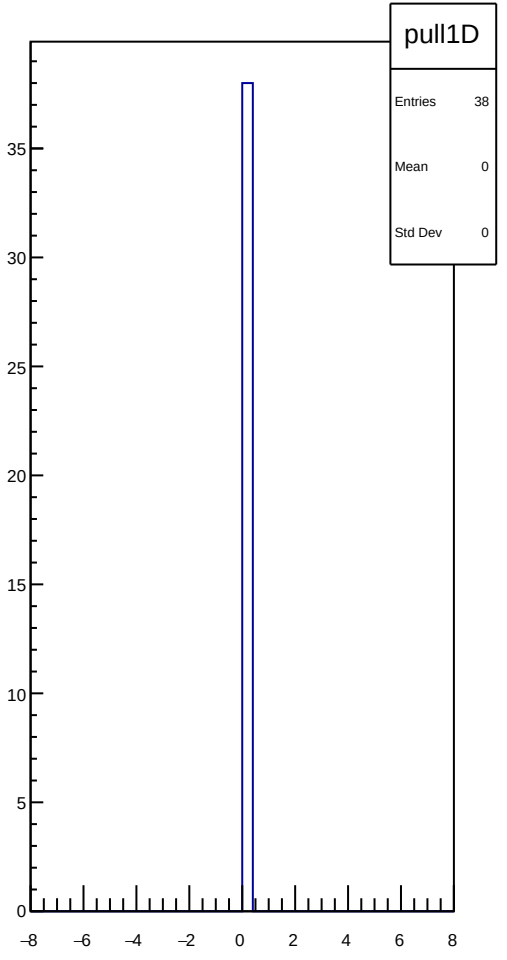

pull1D
Entries 38
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

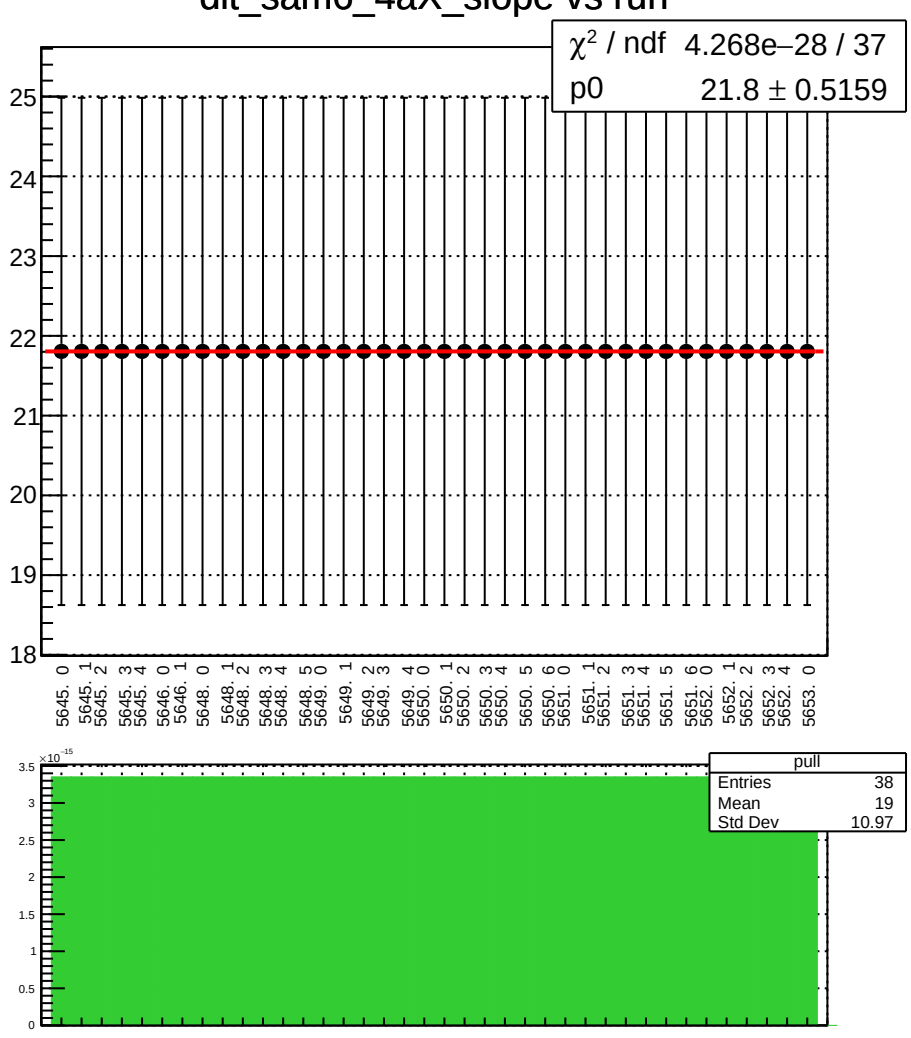

dit_sam5_11X12X_slope vs run
χ² / ndf 4.002e−28 / 37
p0 0.2812 ± 0.01665
0.4
0.35
0.3
0.25
0.2
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 38
Mean 19
Std Dev 10.97

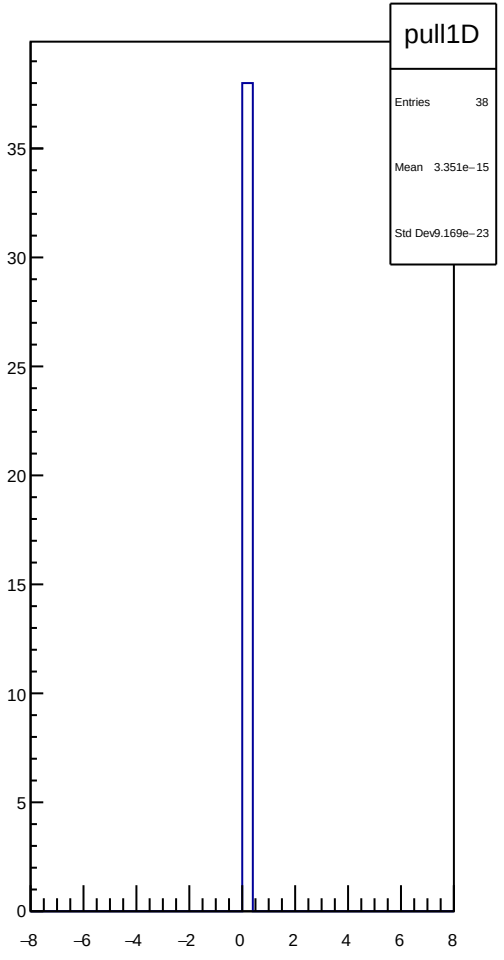

pull1D
Entries 38
Mean 3.245e−15
Std Dev 3.743e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

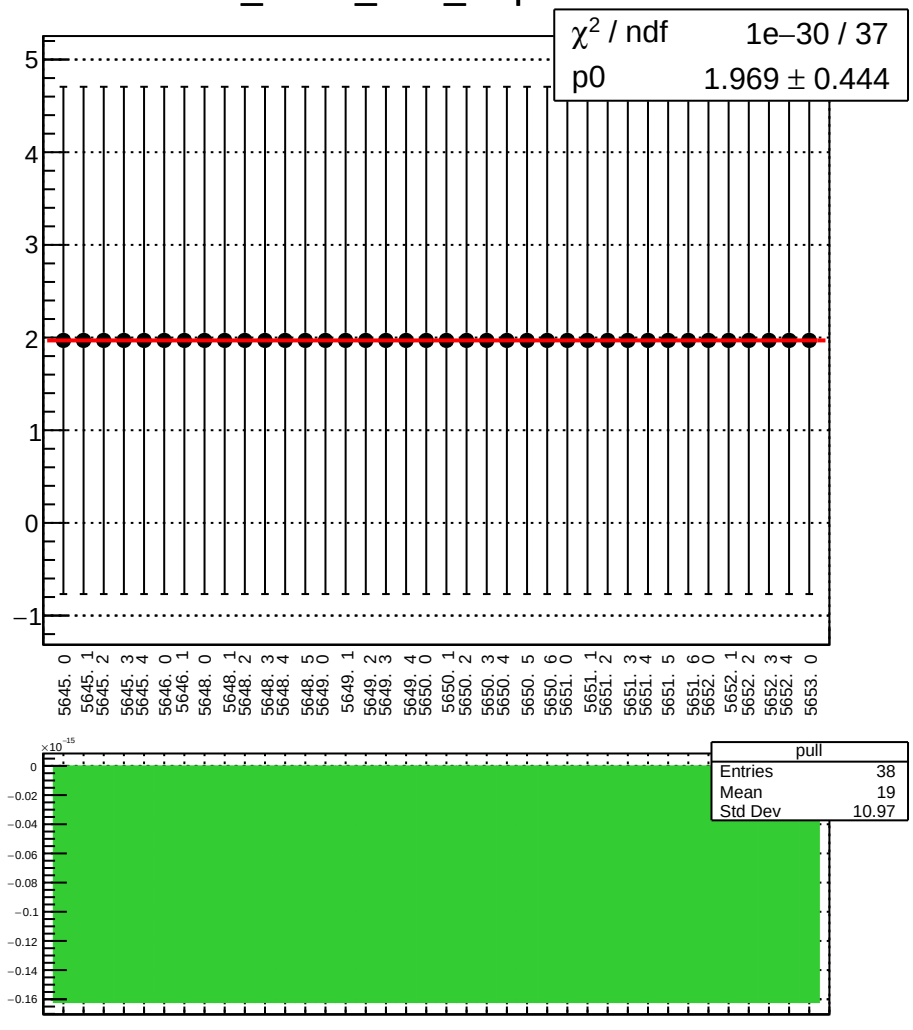

dit_sam5_4aY_slope vs run
χ² / ndf 1.964e−25 / 37
p0 55.95 ± 0.08016
56.4
56.2
56
55.8
55.6
55.4
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −7.19e−14
Std Dev2.396e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

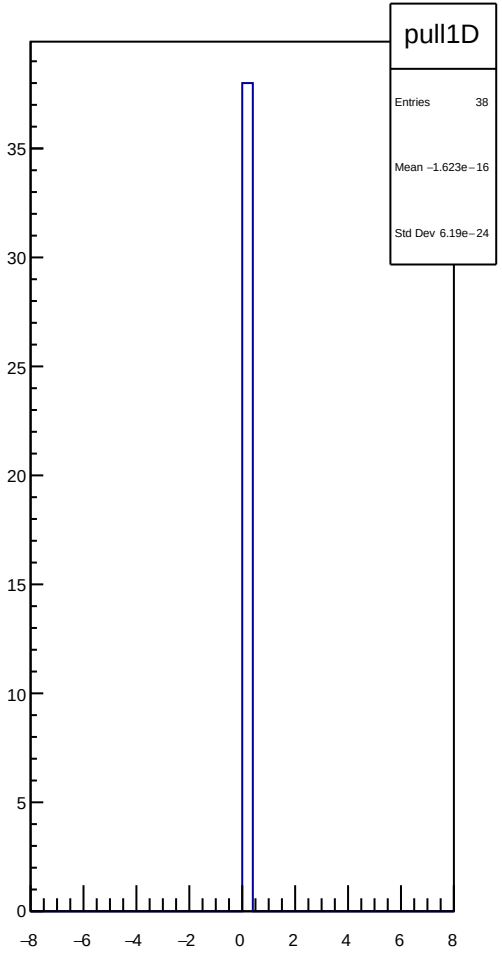

dit_sam5_4eY_slope vs run
χ² / ndf 0 / 37
p0 18.03 ± 0.08909
18.6
18.4
18.2
18
17.8
17.6
17.4
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

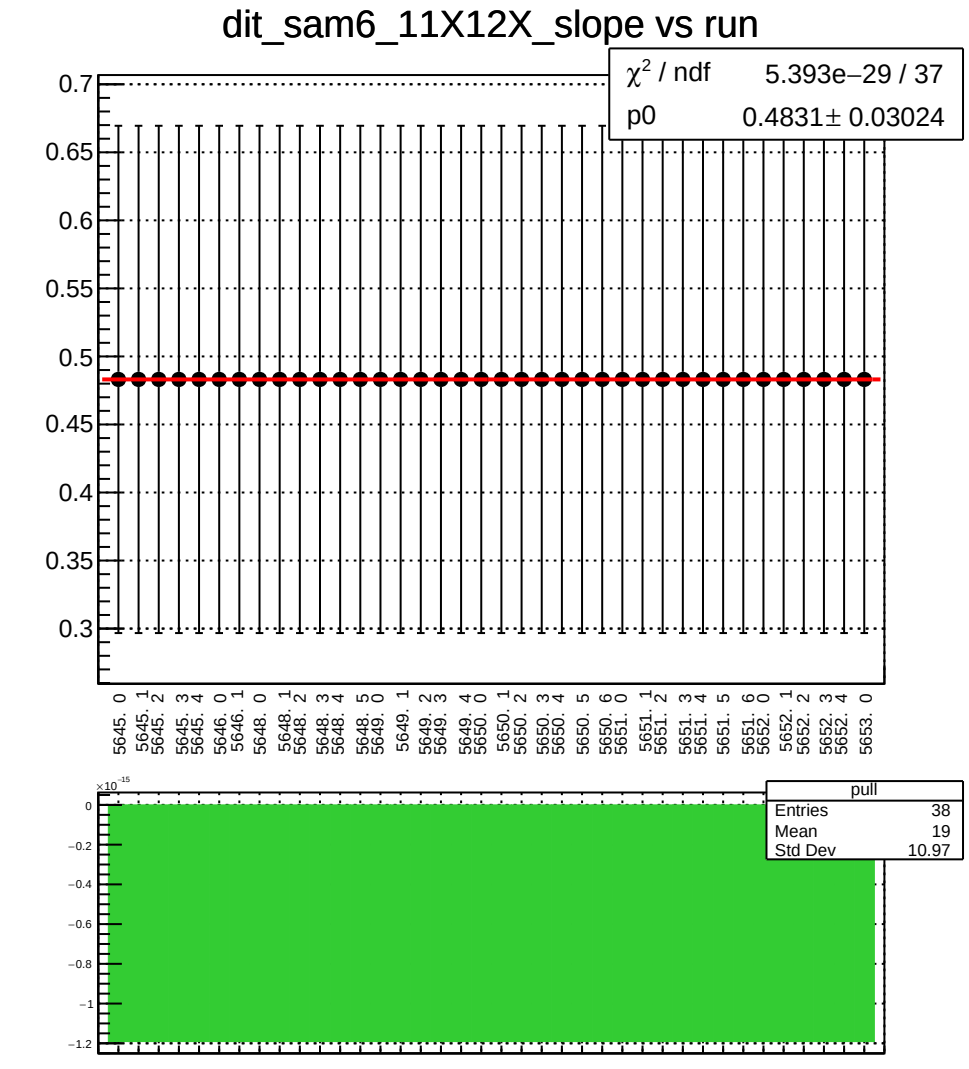

pull1D
Entries 38
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

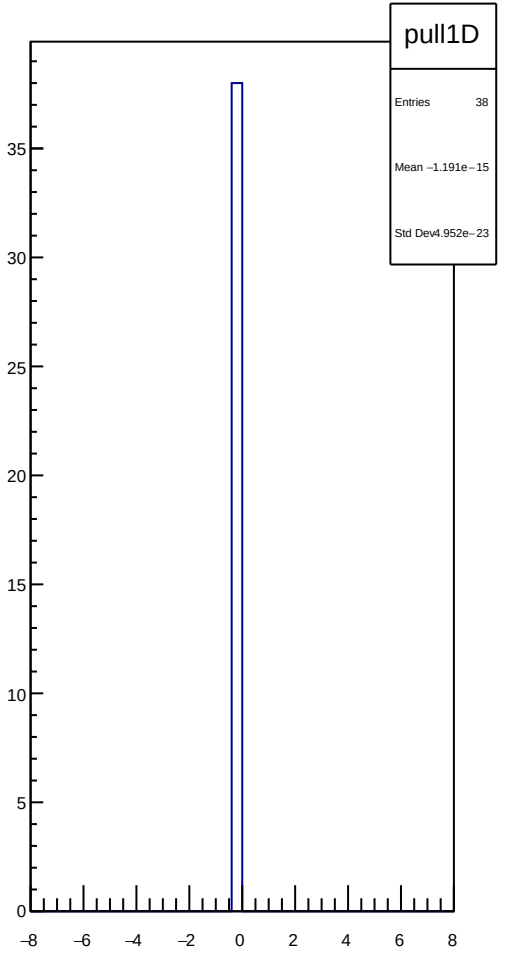

dit_sam6_4aX_slope vs run
χ² / ndf 4.268e−28 / 37
p0 21.8 ± 0.5159
pull
Entries 38
Mean 19
Std Dev 10.97
×10⁻¹⁵

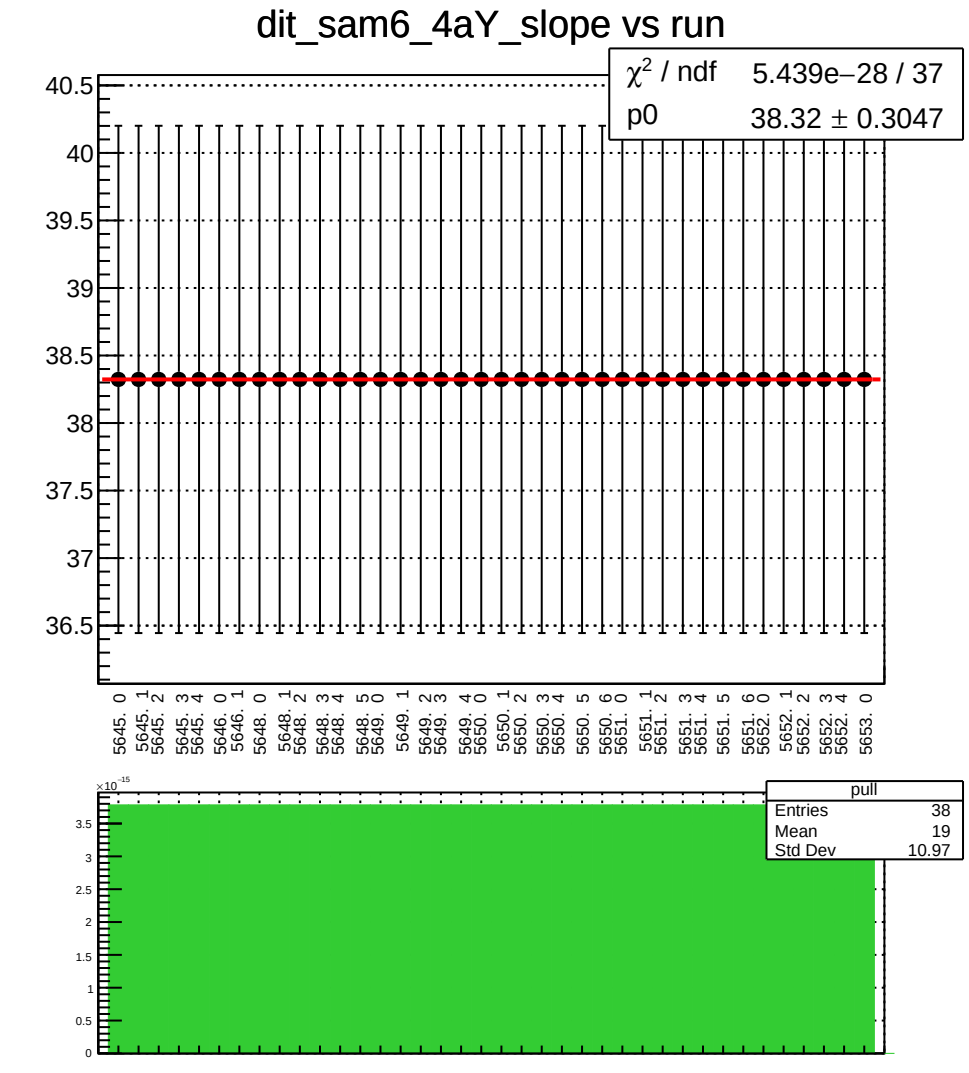

pull1D
Entries 38
Mean 3.351e−15
Std Dev 9.169e−23

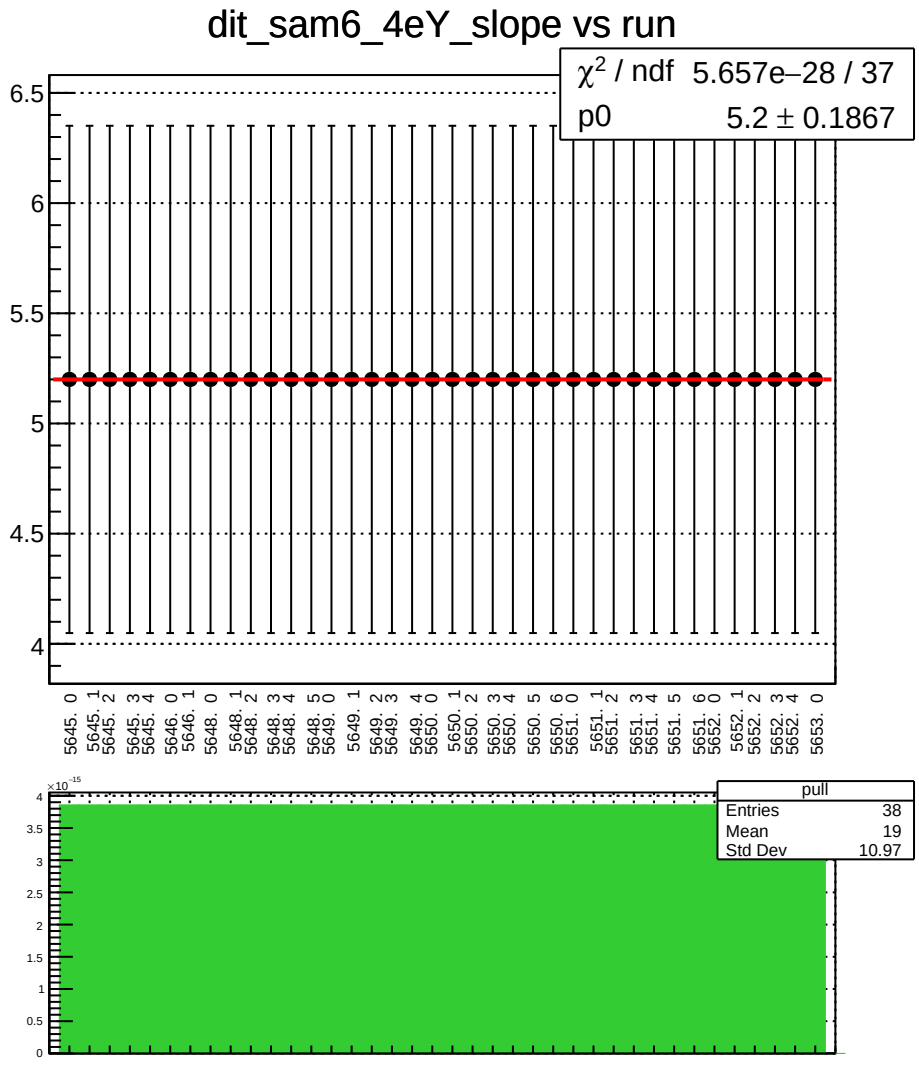

dit_sam6_4eX_slope vs run
χ² / ndf 1e−30 / 37
p0 1.969 ± 0.444
5
4
3
2
1
0
−1
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 38
Mean 19
Std Dev 10.97

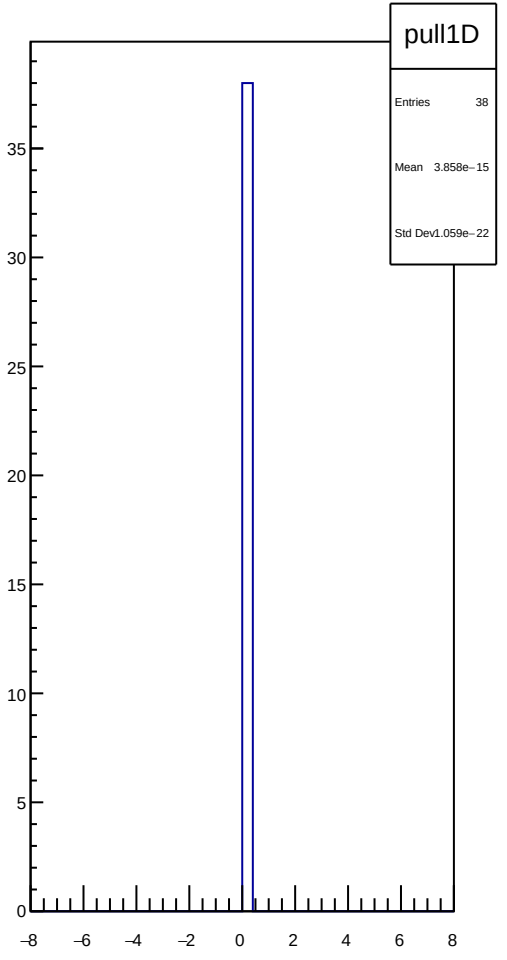

pull1D
Entries 38
Mean −1.623e−16
Std Dev 6.19e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

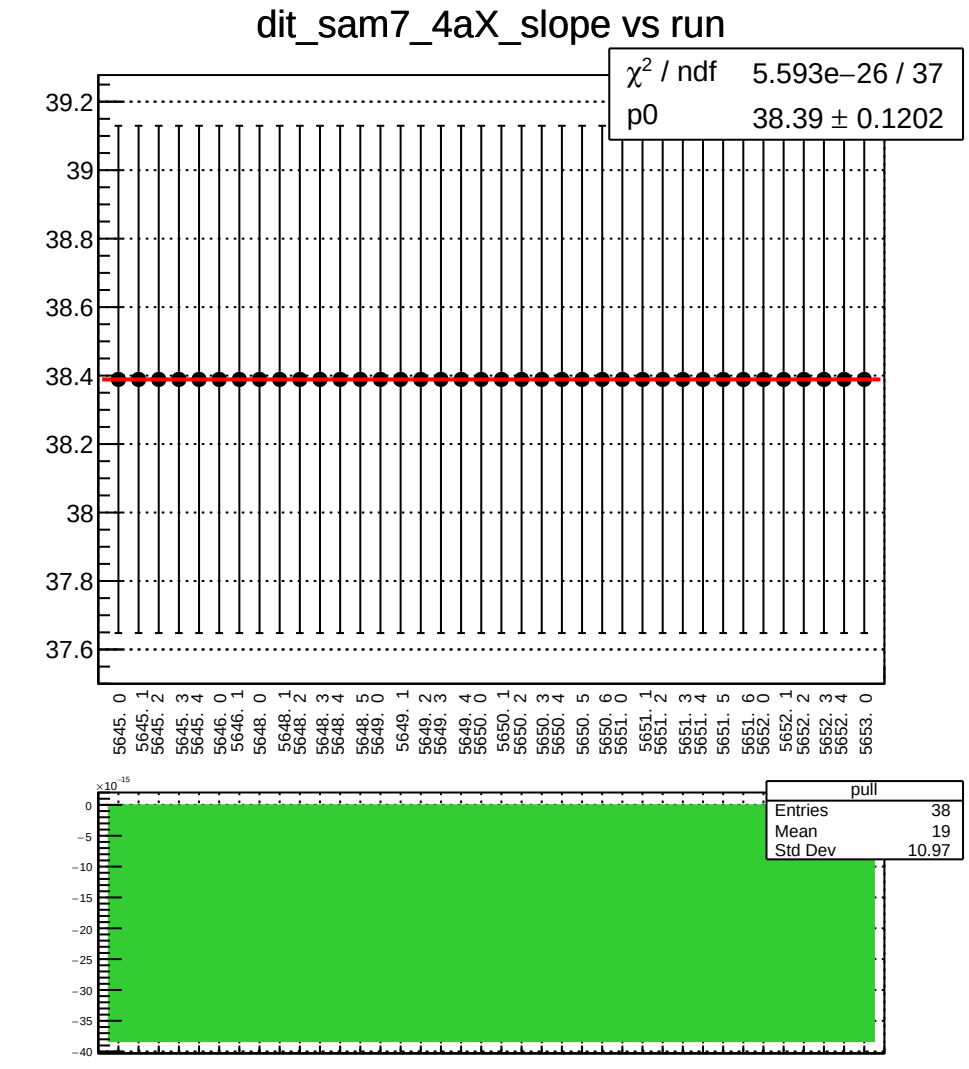

dit_sam6_11X12X_slope vs run
χ² / ndf 5.393e−29 / 37
p0 0.4831± 0.03024
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull
Entries 38
Mean 19
Std Dev 10.97

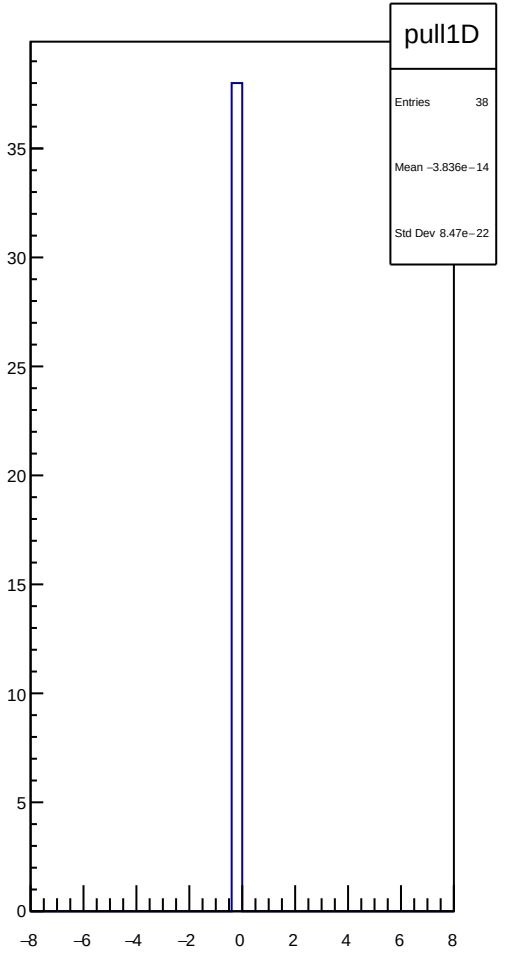

pull1D
Entries 38
Mean −1.191e−15
Std Dev4.952e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

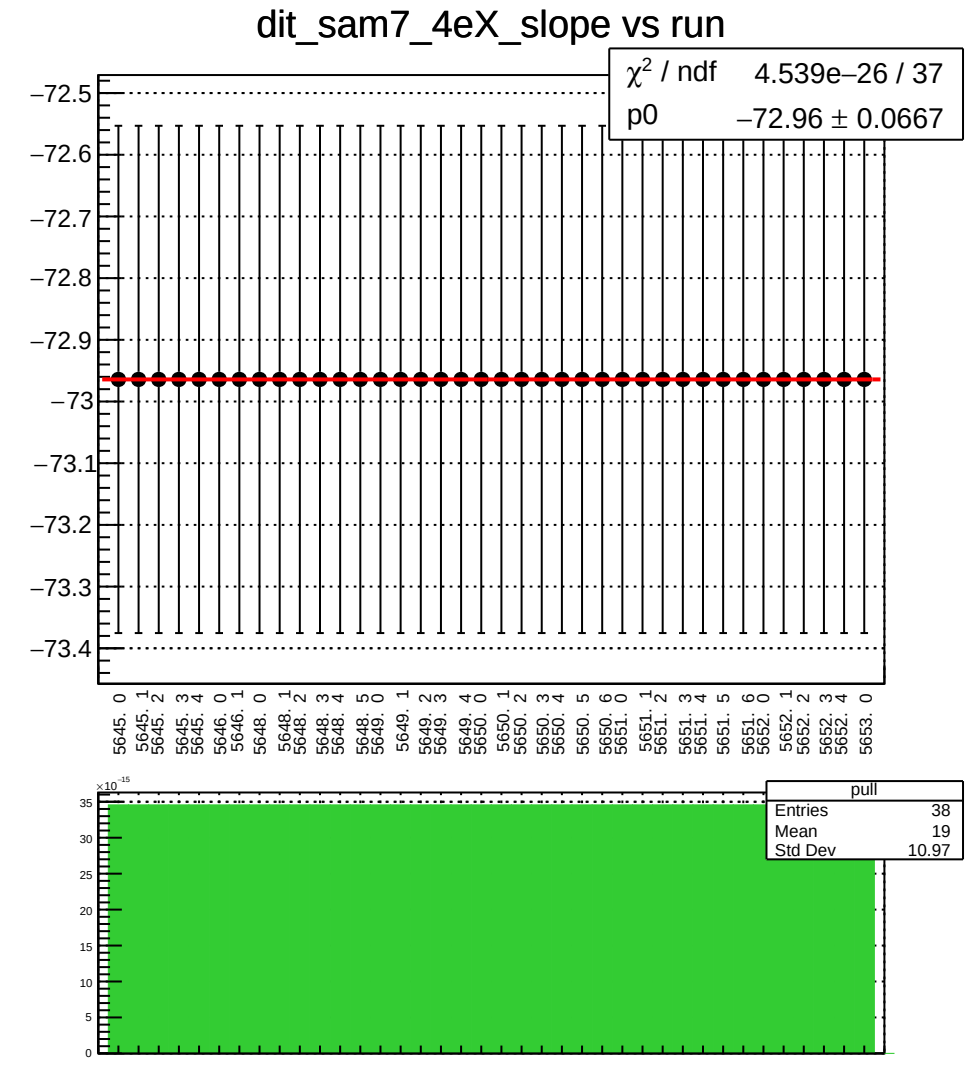

dit_sam6_4aY_slope vs run
χ² / ndf 5.439e−28 / 37
p0 38.32 ± 0.3047
40.5
40
39.5
39
38.5
38
37.5
37
36.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 19
Std Dev 10.97
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 38
Mean 3.783e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

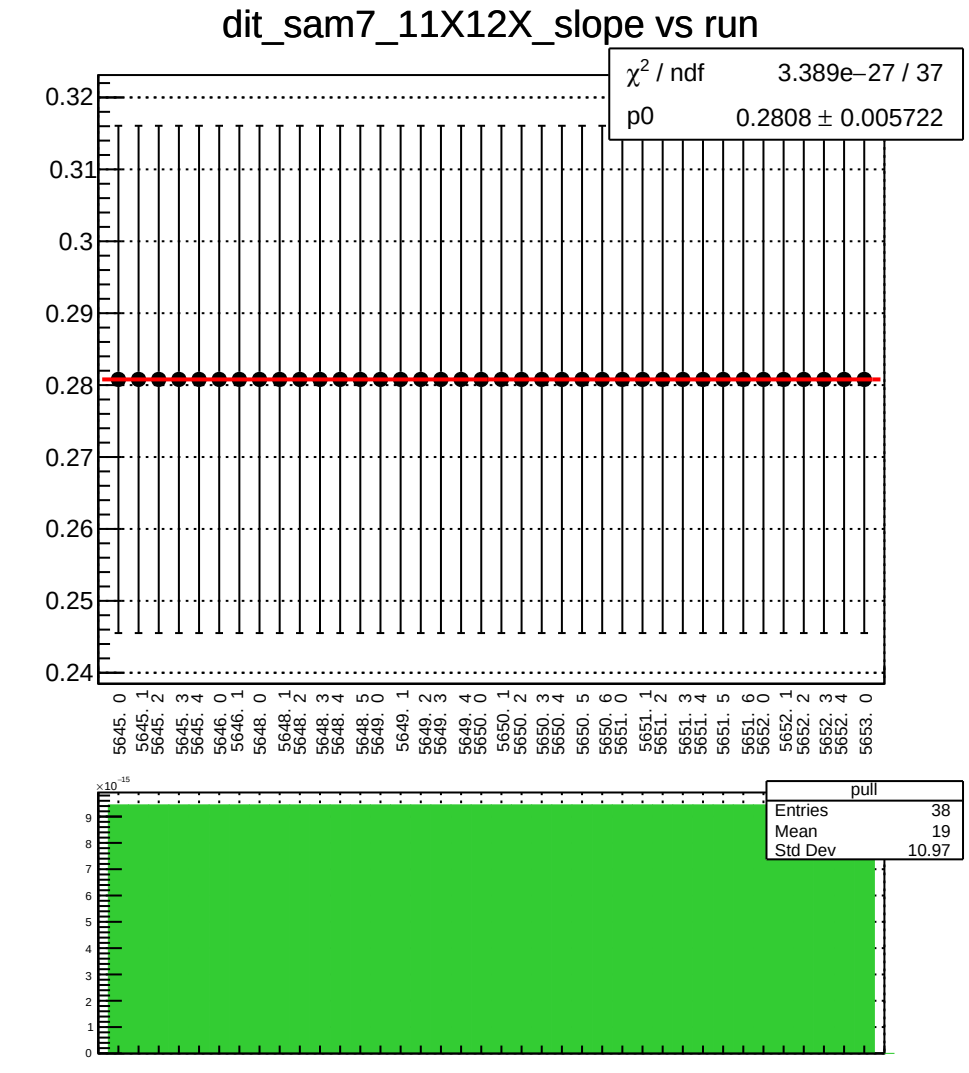

dit_sam6_4eY_slope vs run
χ² / ndf 5.657e−28 / 37
p0 5.2 ± 0.1867
6.5
6
5.5
5
4.5
4
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 38
Mean 19
Std Dev 10.97

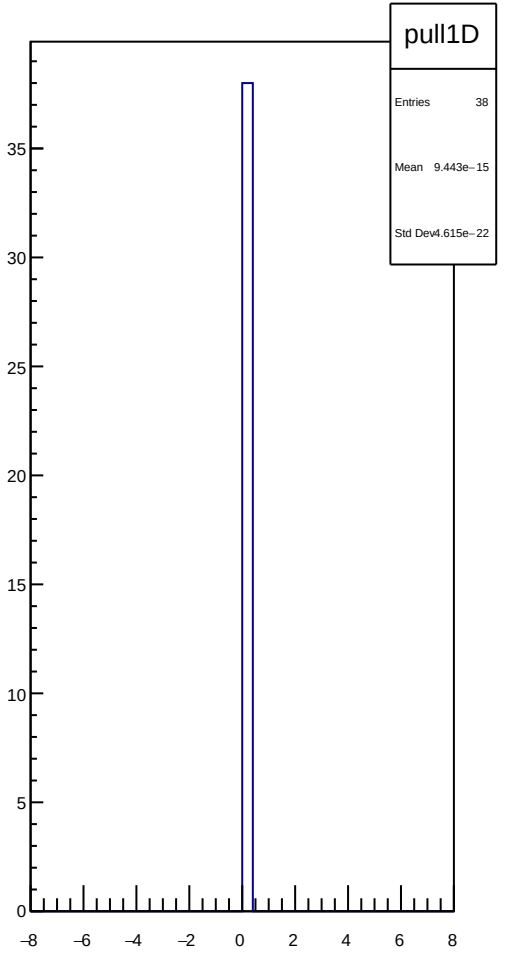

pull1D
Entries 38
Mean 3.858e−15
Std Dev1.059e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

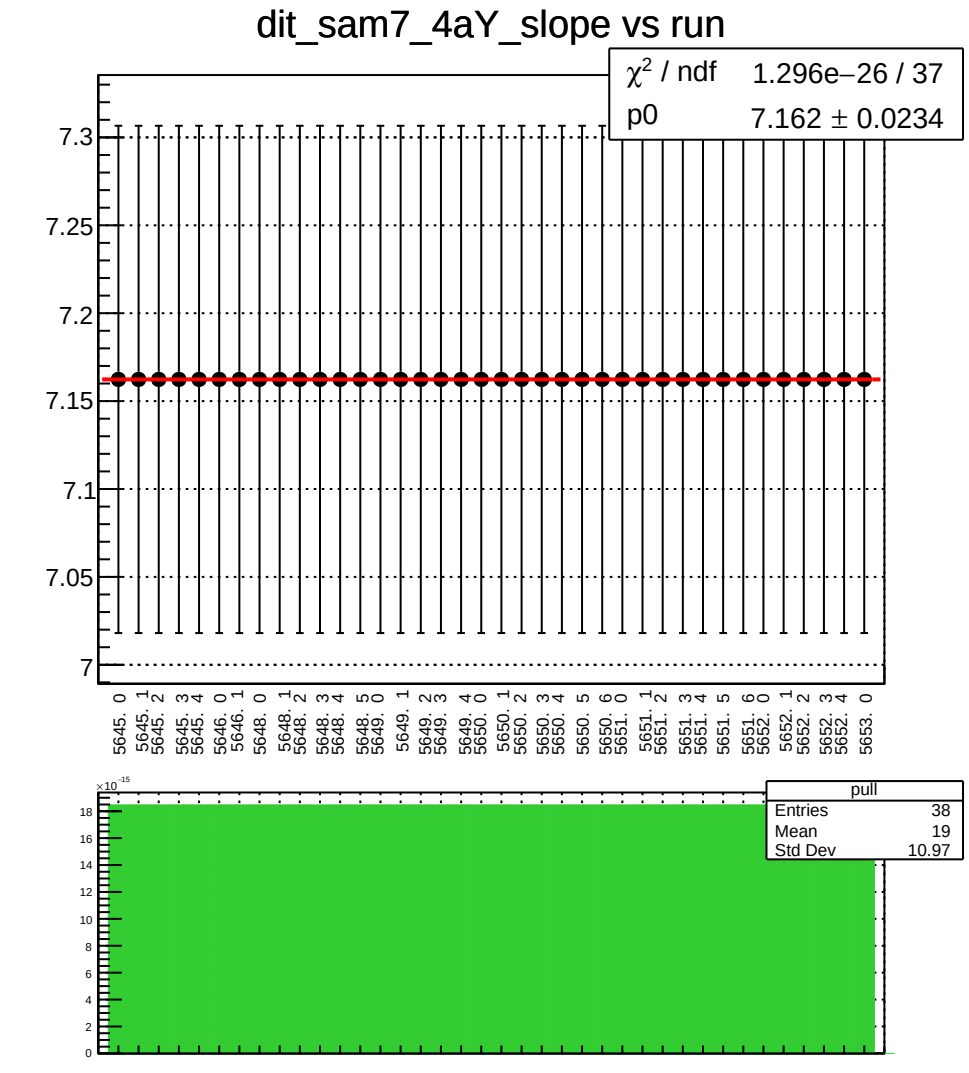

dit_sam7_4aX_slope vs run
χ² / ndf 5.593e−26 / 37
p0 38.39 ± 0.1202
39.2
39
38.8
38.6
38.4
38.2
38
37.8
37.6
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 38
Mean 19
Std Dev 10.97

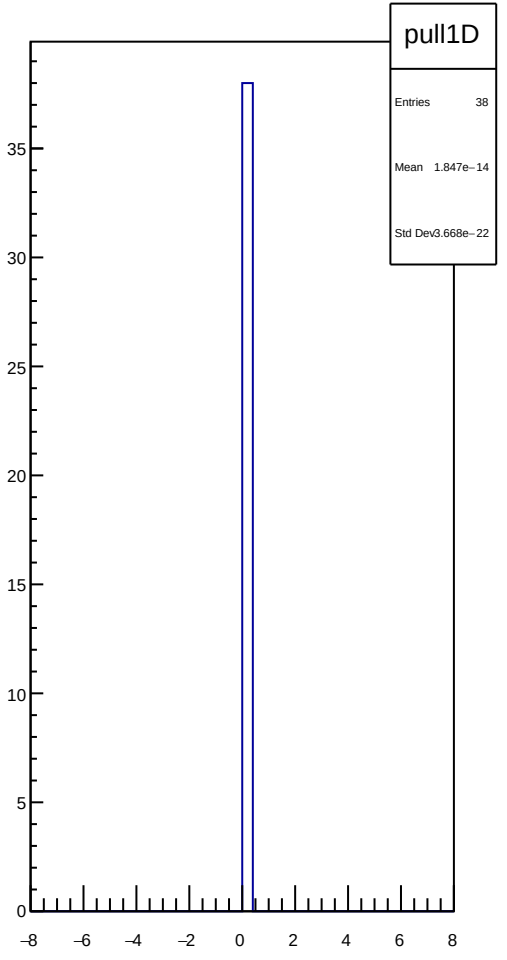

pull1D
Entries 38
Mean −3.836e−14
Std Dev 8.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

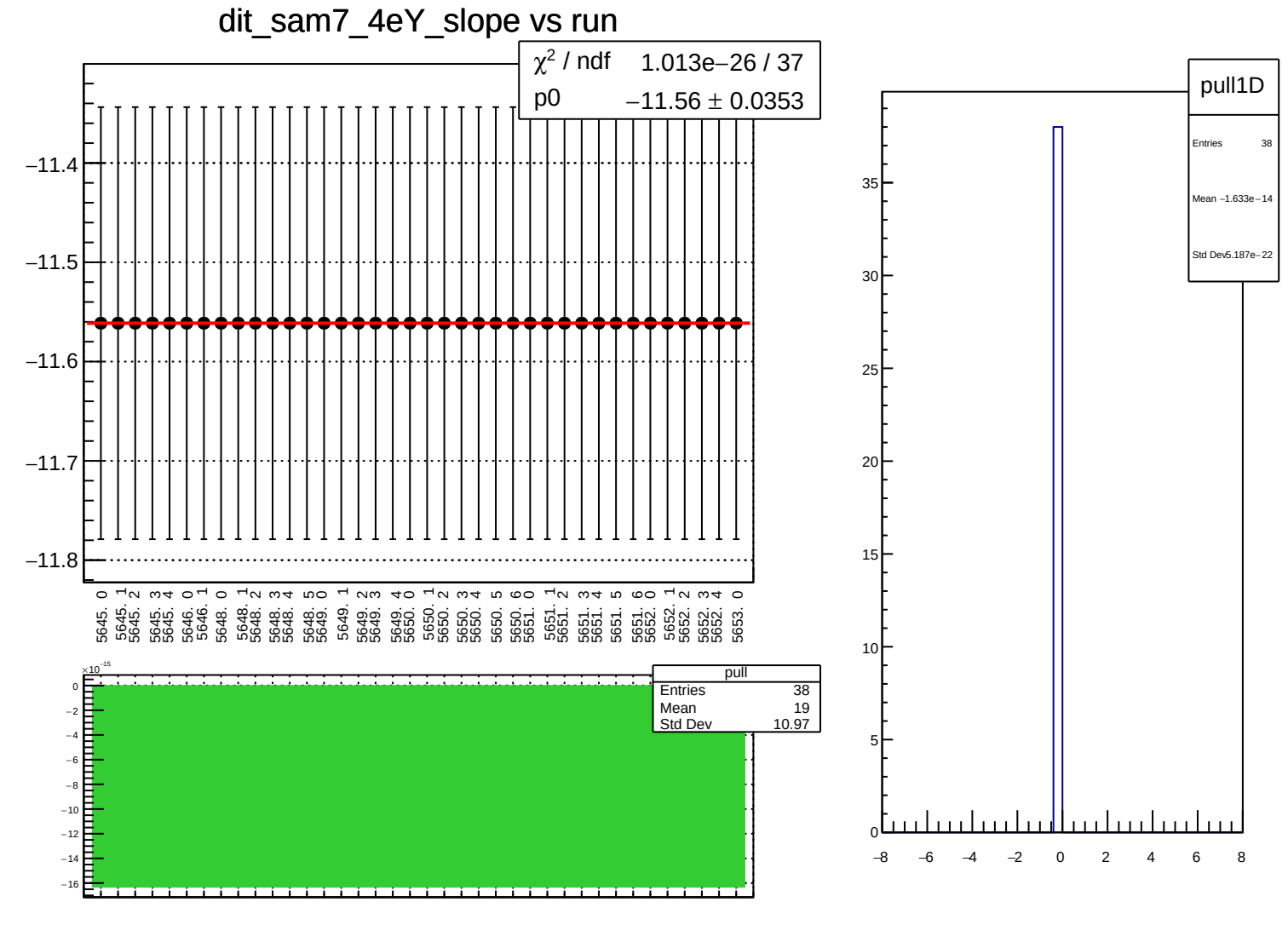

dit_sam7_4eX_slope vs run
χ² / ndf 4.539e−26 / 37
p0 −72.96 ± 0.0667
−72.5
−72.6
−72.7
−72.8
−72.9
−73
−73.1
−73.2
−73.3
−73.4
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean 3.456e−14
Std Dev1.198e−21

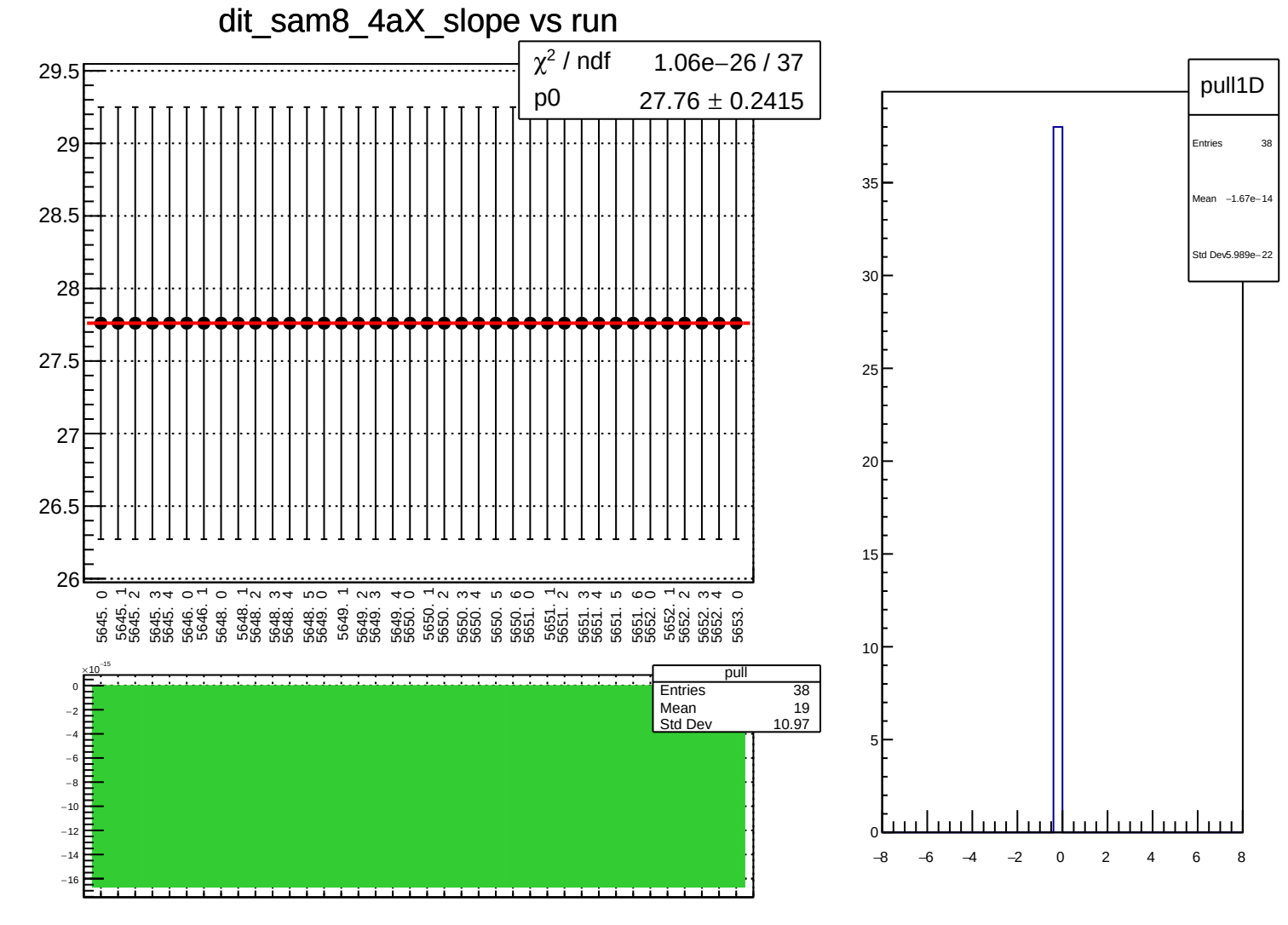

dit_sam7_11X12X_slope vs run
χ² / ndf 3.389e−27 / 37
p0 0.2808 ± 0.005722
0.32
0.31
0.3
0.29
0.28
0.27
0.26
0.25
0.24
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0
pull
Entries 38
Mean 19
Std Dev 10.97

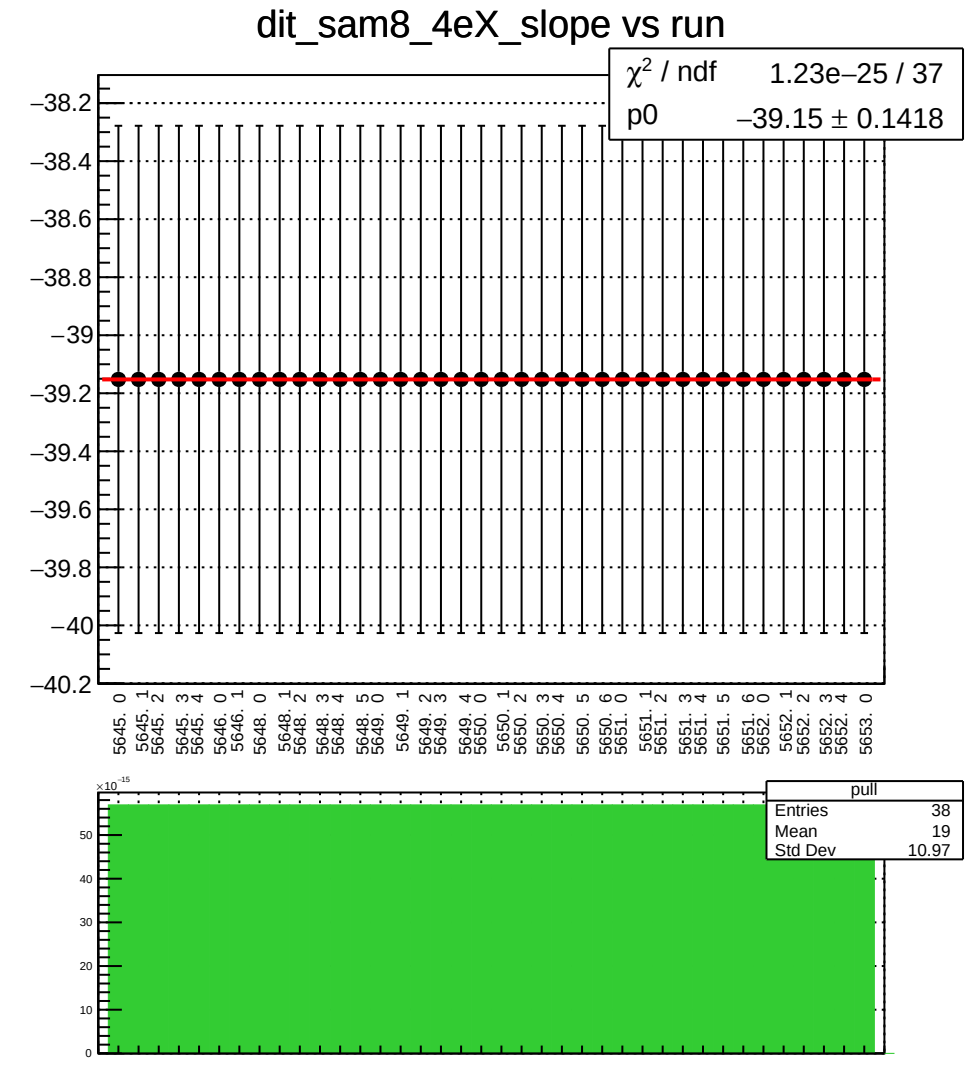

pull1D
Entries 38
Mean 9.443e−15
Std Dev 4.615e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

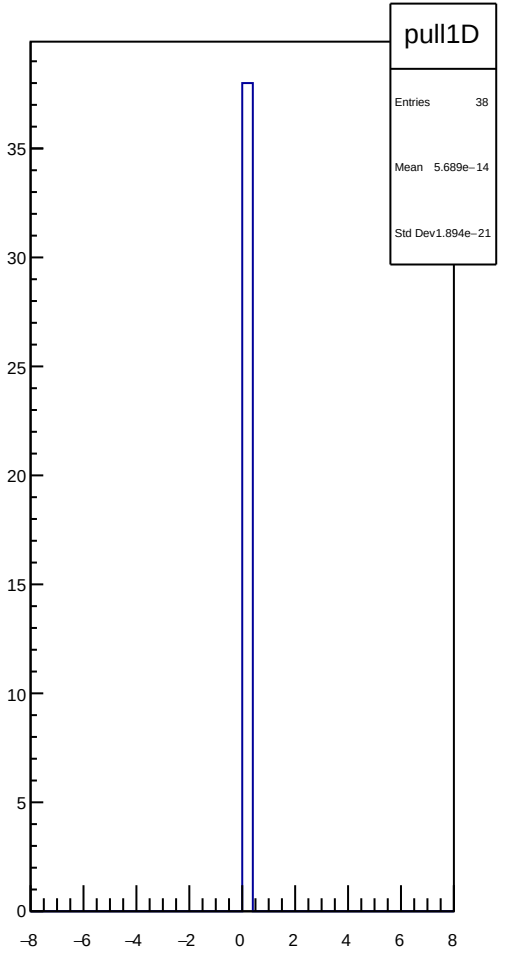

dit_sam7_4aY_slope vs run
χ² / ndf 1.296e−26 / 37
p0 7.162 ± 0.0234
7.3
7.25
7.2
7.15
7.1
7.05
7
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull
Entries 38
Mean 19
Std Dev 10.97

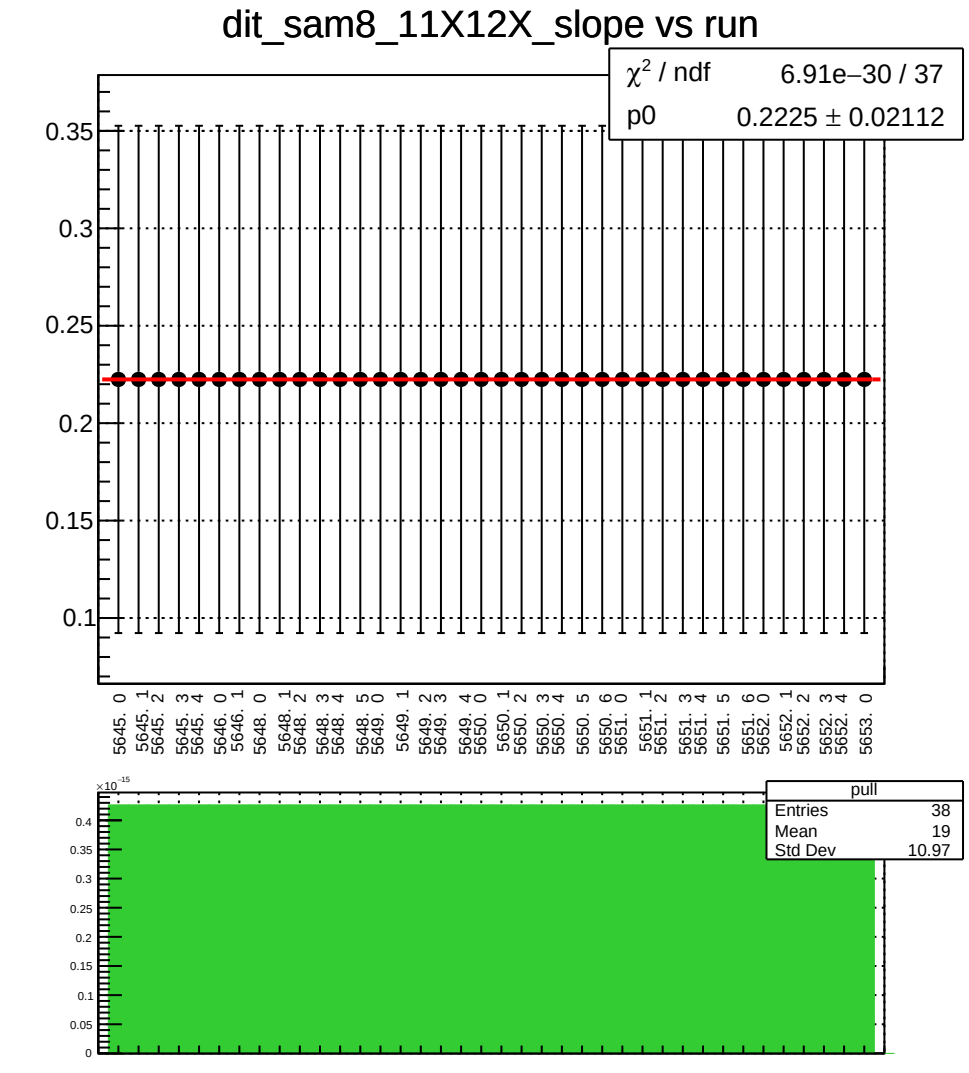

pull1D
Entries 38
Mean 1.847e−14
Std Dev3.668e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

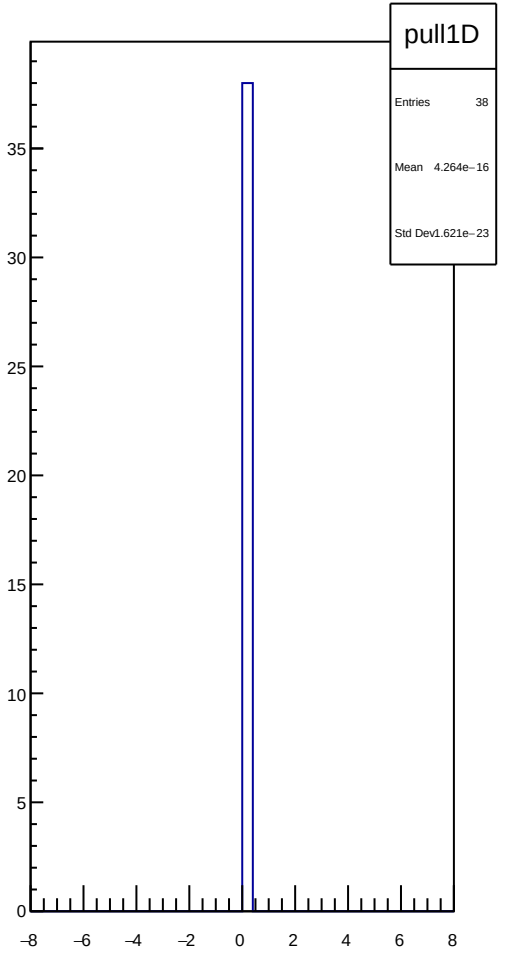

dit_sam7_4eY_slope vs run
χ² / ndf 1.013e−26 / 37
p0 −11.56 ± 0.0353
−11.4
−11.5
−11.6
−11.7
−11.8
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −1.633e−14
Std Dev5.187e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

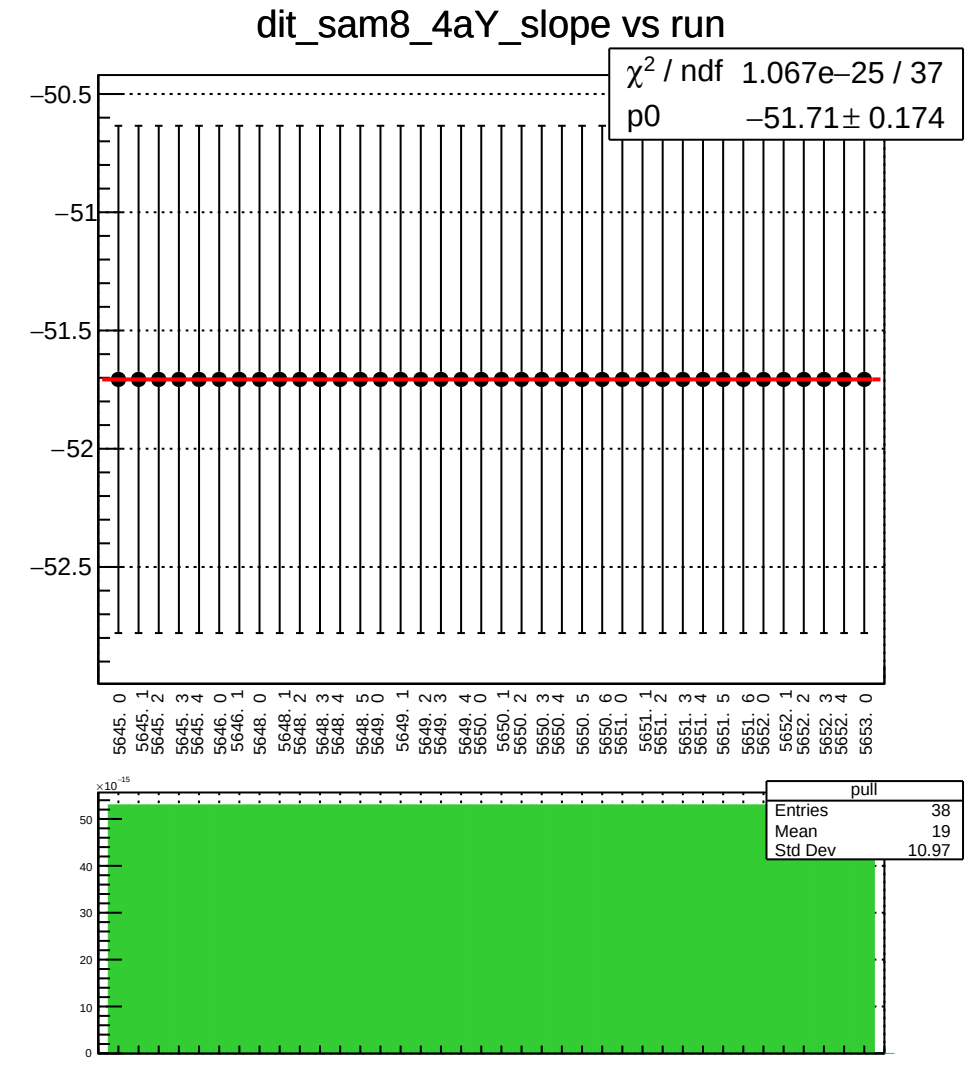

dit_sam8_4aX_slope vs run
χ² / ndf 1.06e−26 / 37
p0 27.76 ± 0.2415
29.5
29
28.5
28
27.5
27
26.5
26
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −1.67e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

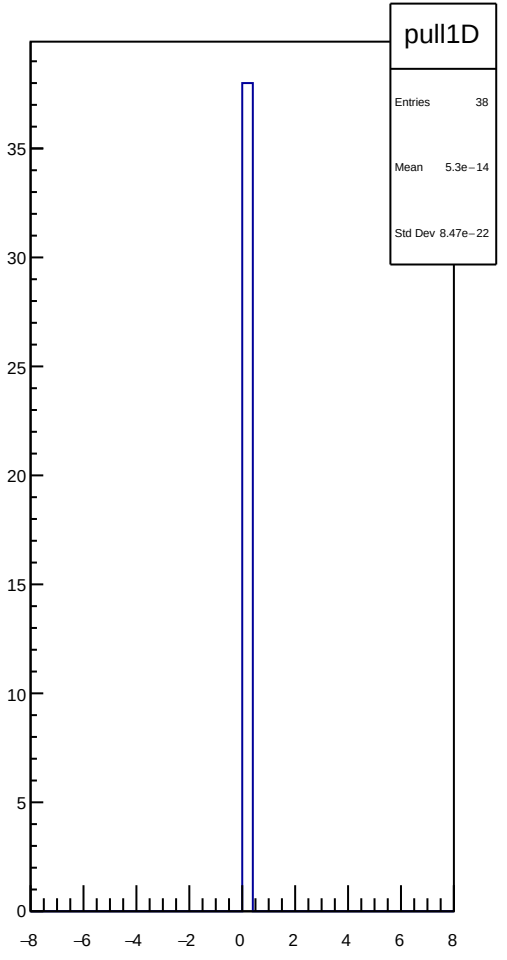

dit_sam8_4eX_slope vs run
χ² / ndf 1.23e−25 / 37
p0 −39.15 ± 0.1418
−38.2
−38.4
−38.6
−38.8
−39
−39.2
−39.4
−39.6
−39.8
−40
−40.2
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
pull
Entries 38
Mean 19
Std Dev 10.97
50
40
30
20
10
0

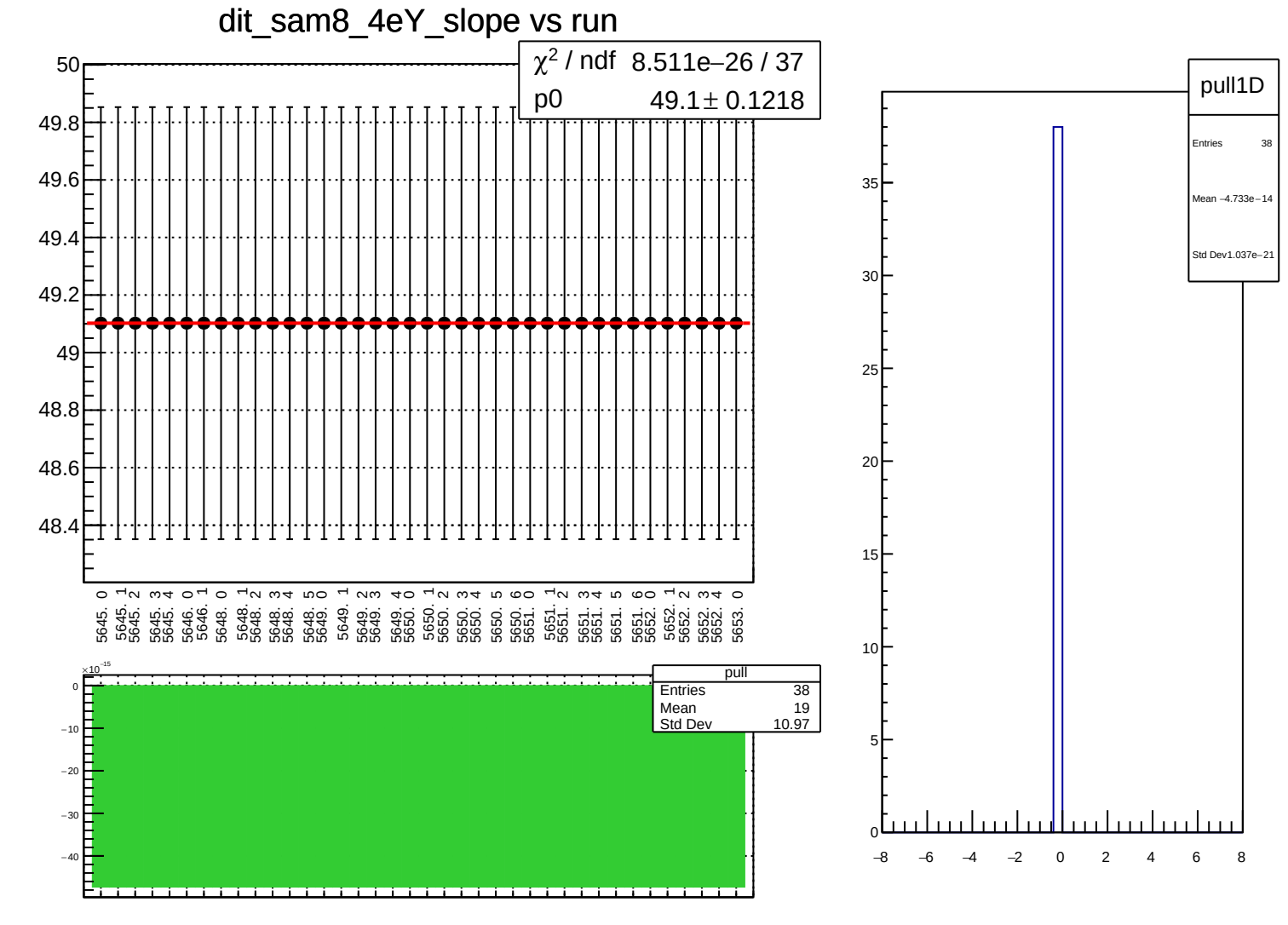

pull1D
Entries 38
Mean 5.689e−14
Std Dev1.894e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

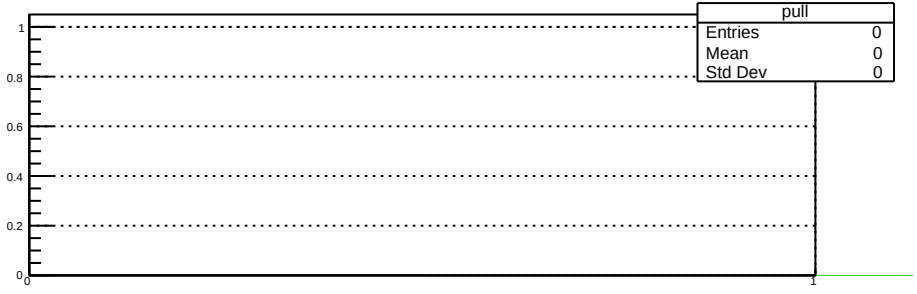

dit_sam8_11X12X_slope vs run
χ² / ndf 6.91e−30 / 37
p0 0.2225 ± 0.02112
0.35
0.3
0.25
0.2
0.15
0.1
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 38
Mean 19
Std Dev 10.97

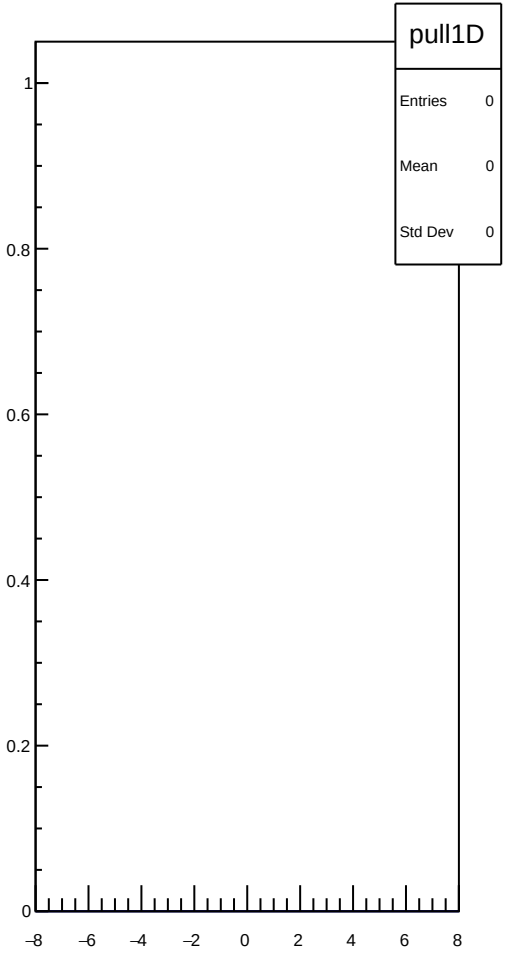

pull1D
Entries 38
Mean 4.264e−16
Std Dev1.621e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

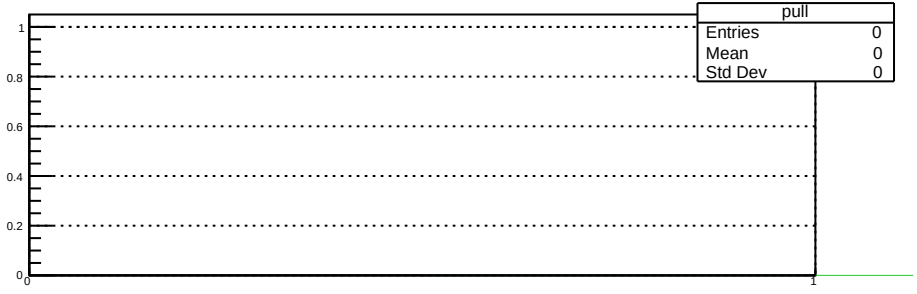

dit_sam8_4aY_slope vs run
χ² / ndf 1.067e−25 / 37
p0 −51.71 ± 0.174
−50.5
−51
−51.5
−52
−52.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 38
Mean 19
Std Dev 10.97

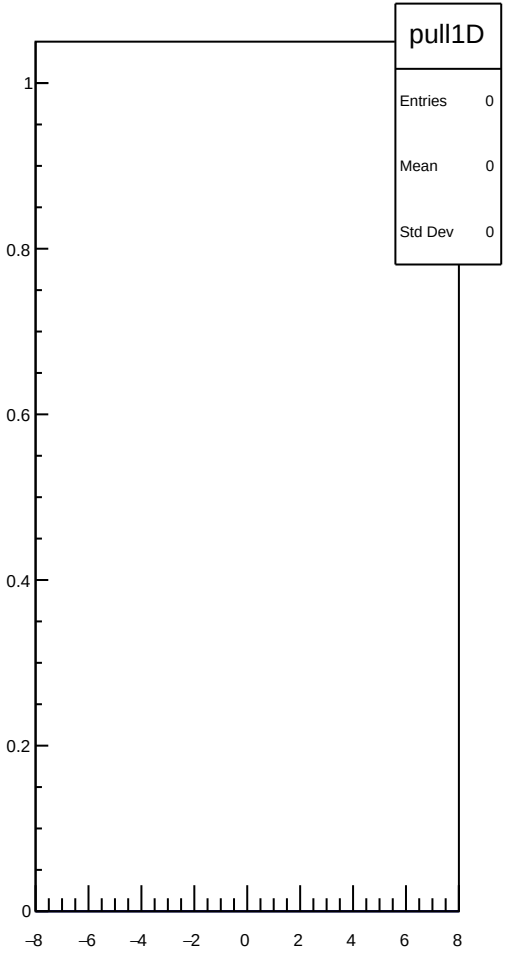

pull1D
Entries 38
Mean 5.3e−14
Std Dev 8.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

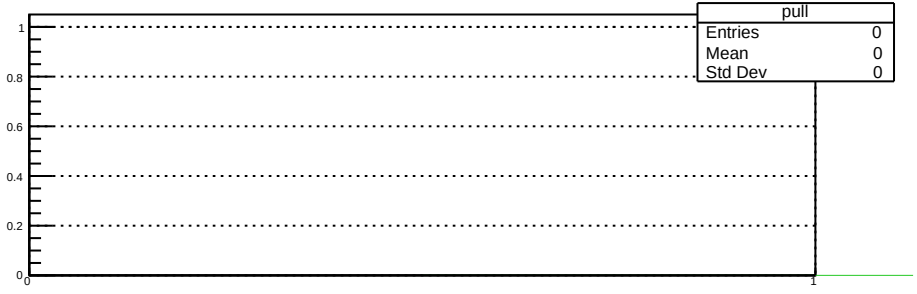

dit_sam8_4eY_slope vs run
χ² / ndf 8.511e−26 / 37
p0 49.1 ± 0.1218
50
49.8
49.6
49.4
49.2
49
48.8
48.6
48.4
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
×10⁻¹⁵
0
−10
−20
−30
−40
pull
Entries 38
Mean 19
Std Dev 10.97
pull1D
Entries 38
Mean −4.733e−14
Std Dev1.037e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

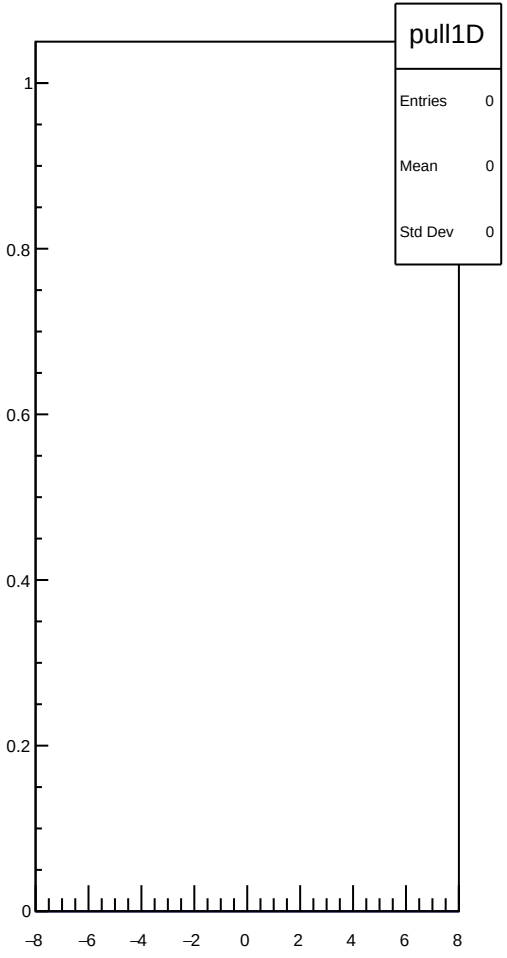

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

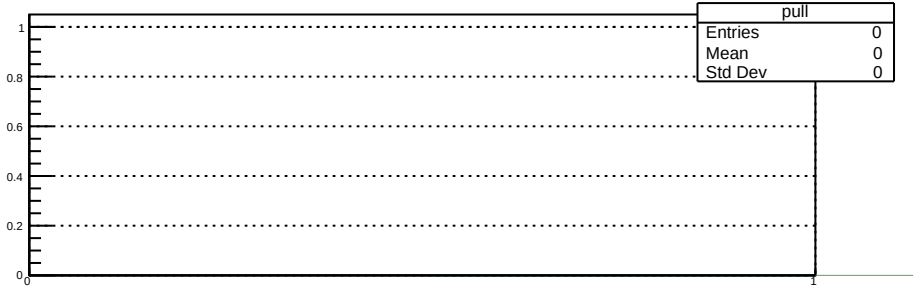

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

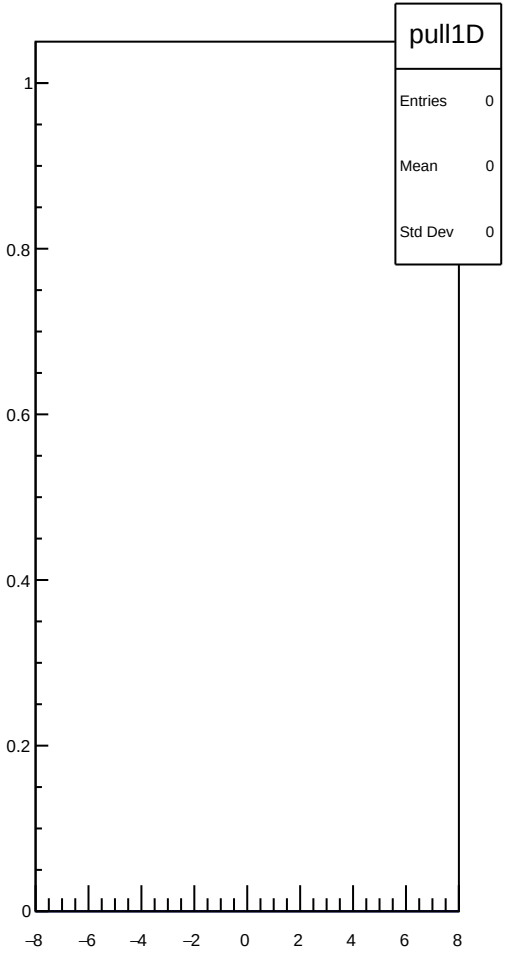

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

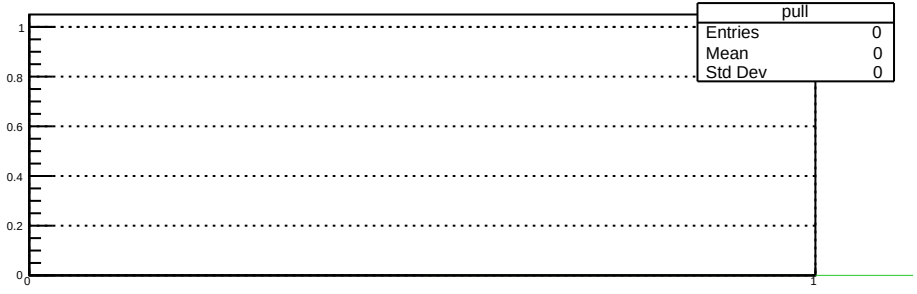

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

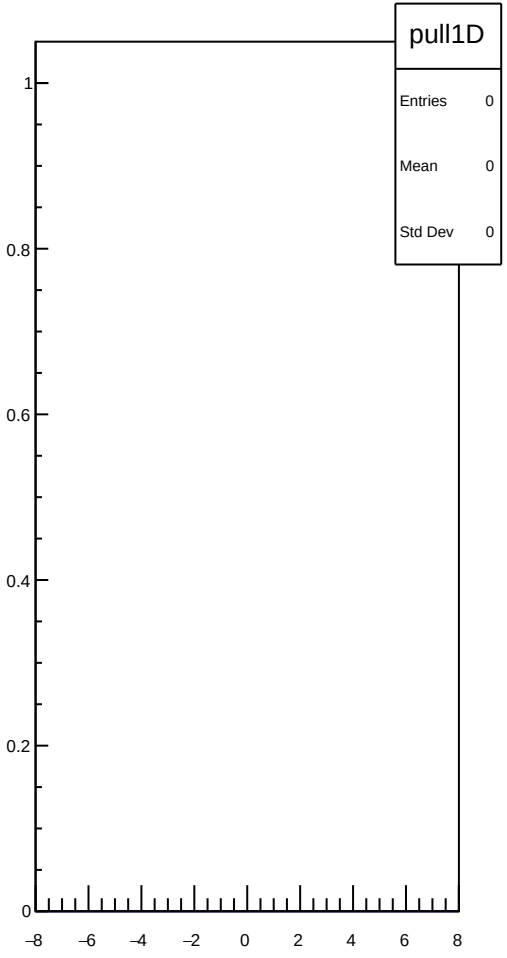

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

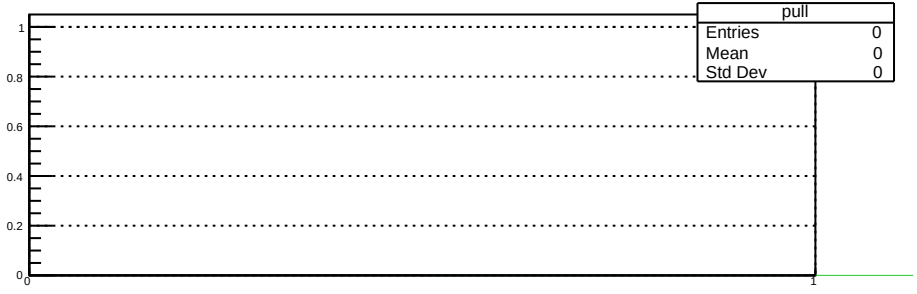

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

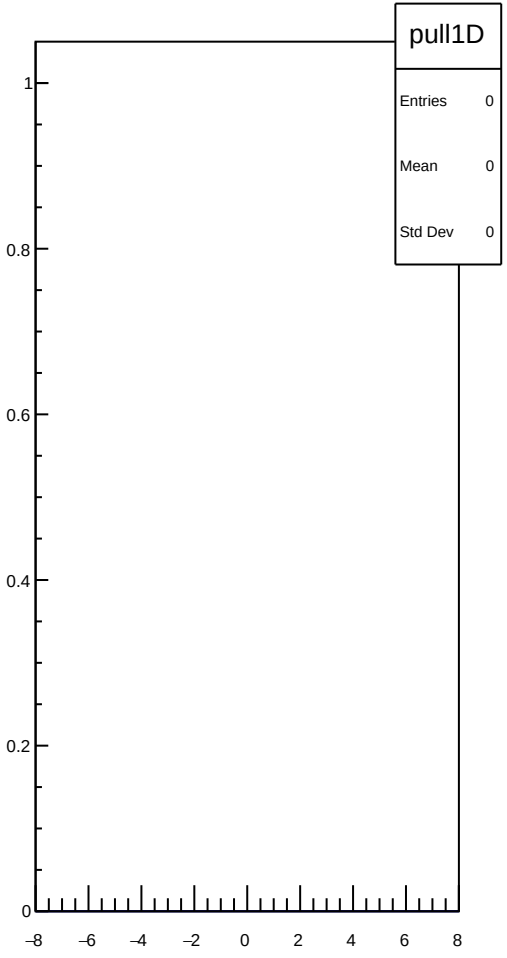

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

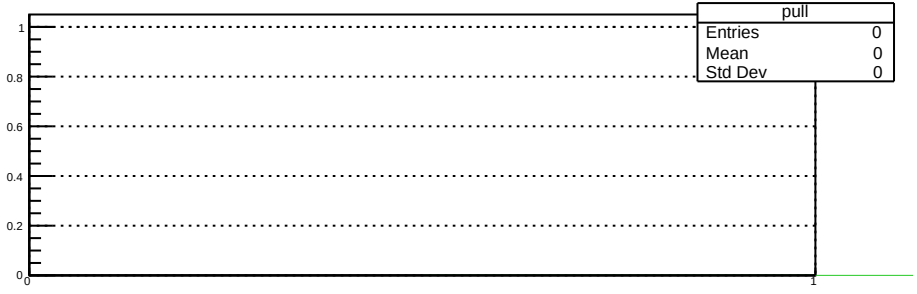

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

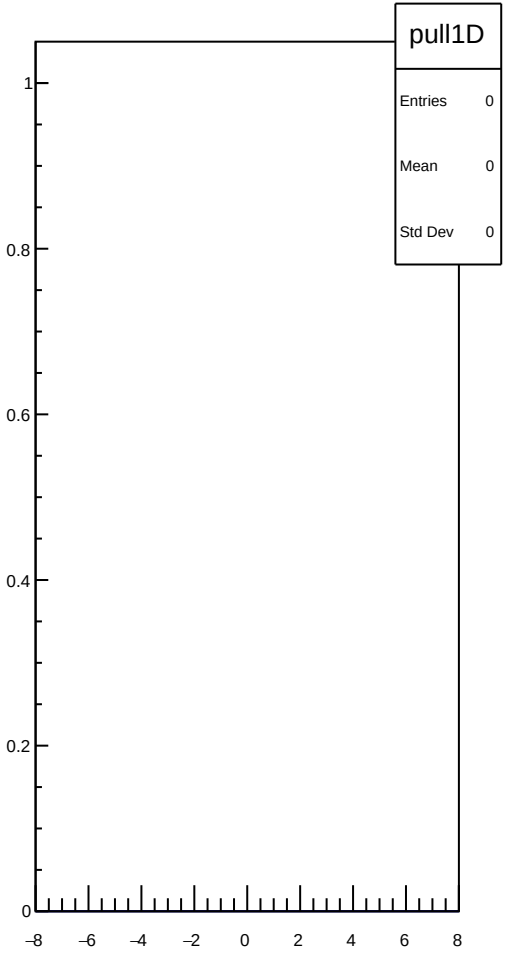

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

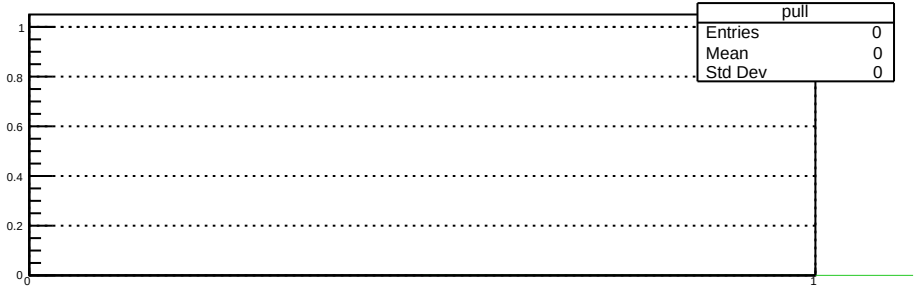

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

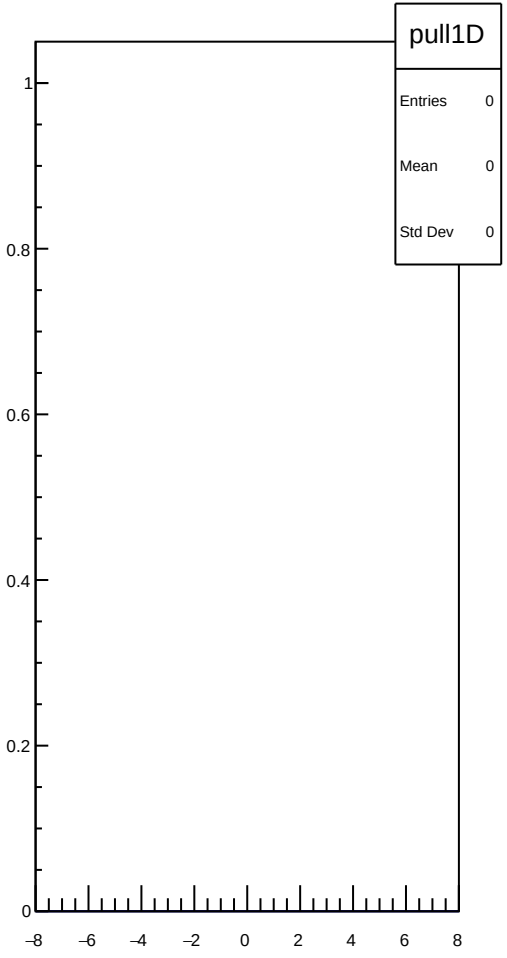

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

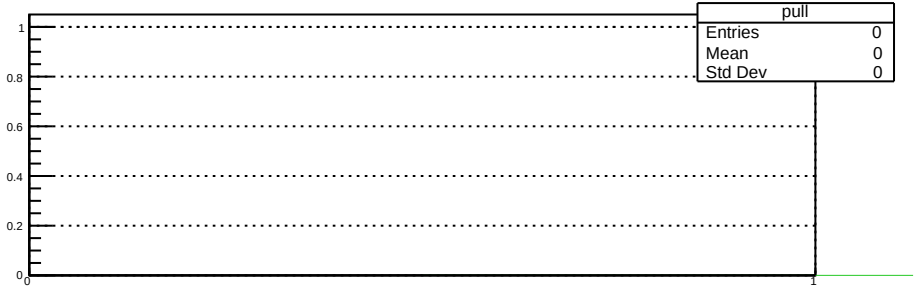

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

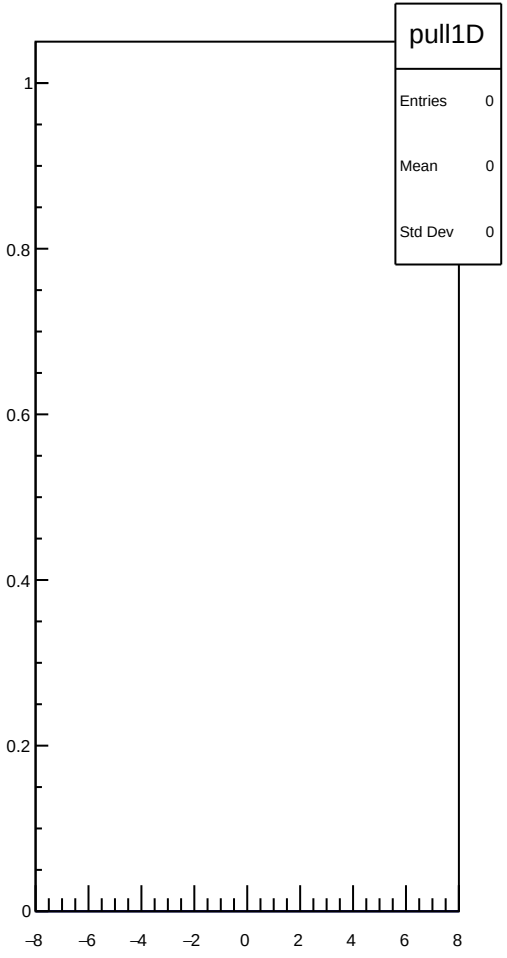

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

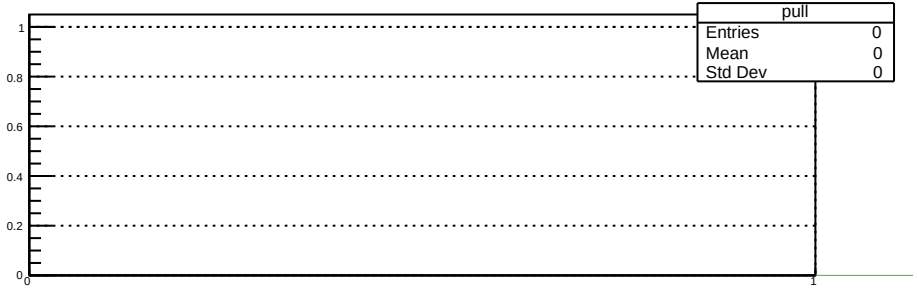

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

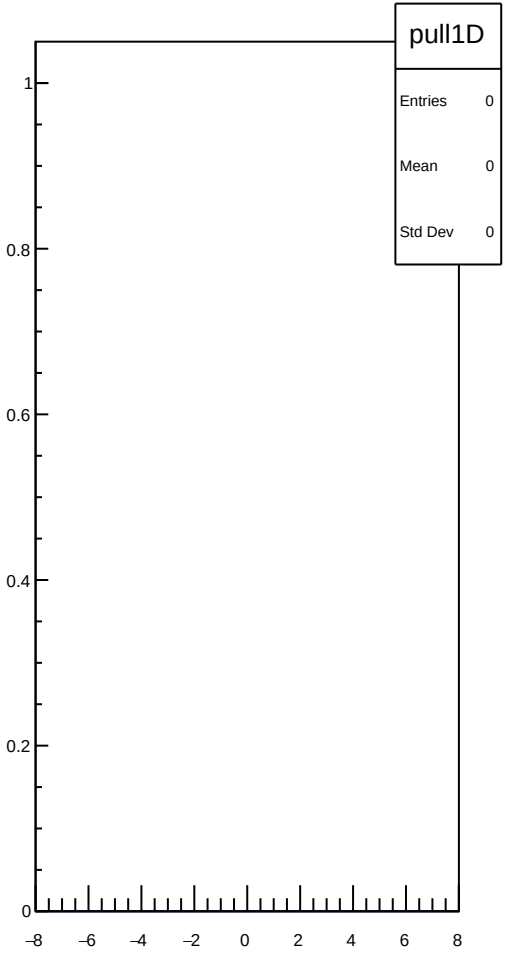

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

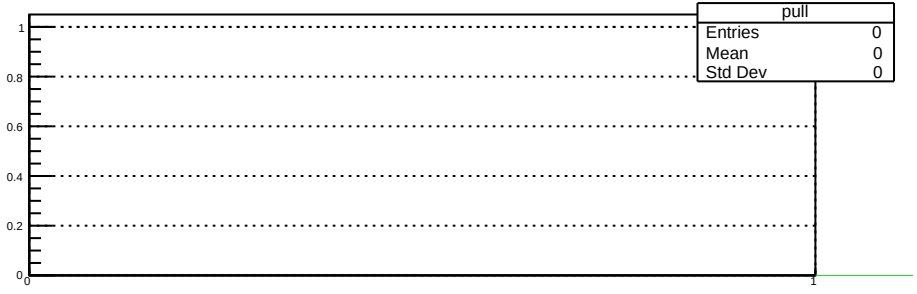

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

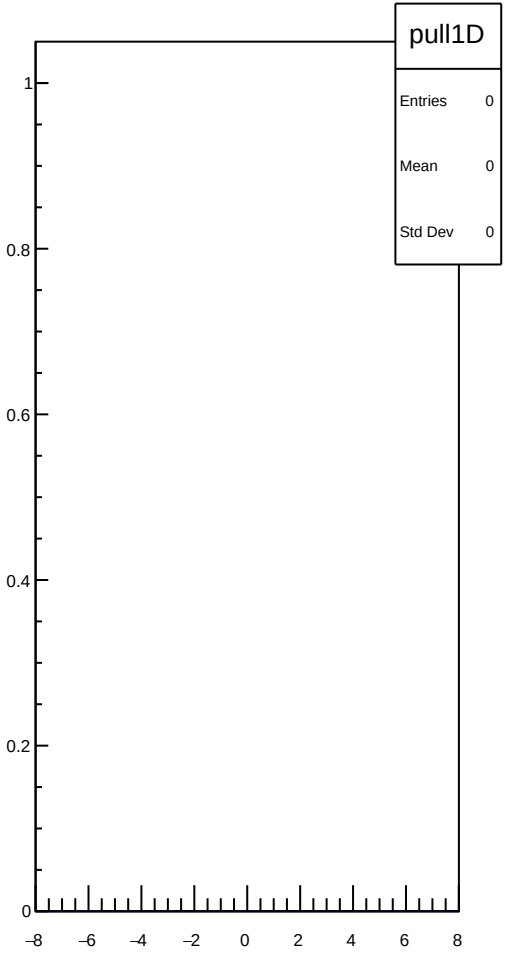

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
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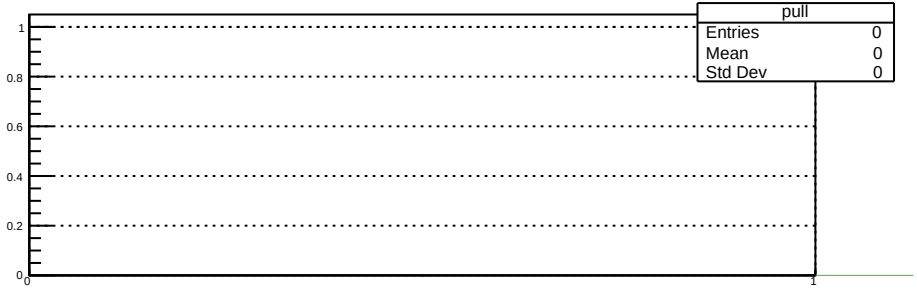

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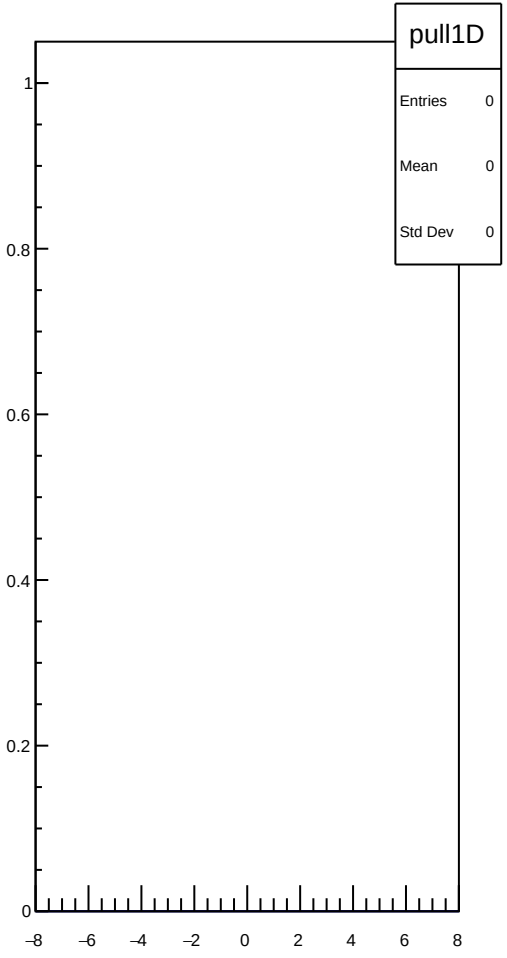

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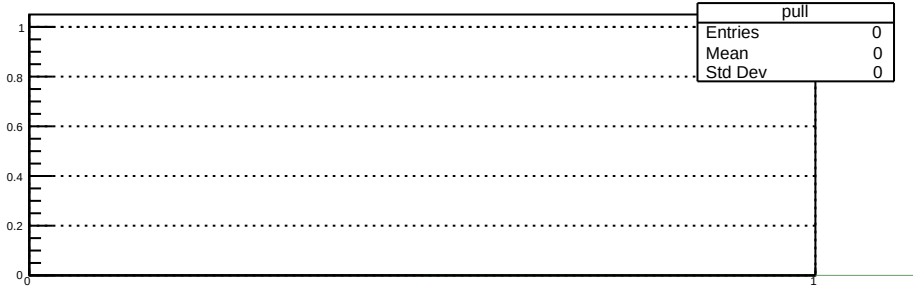

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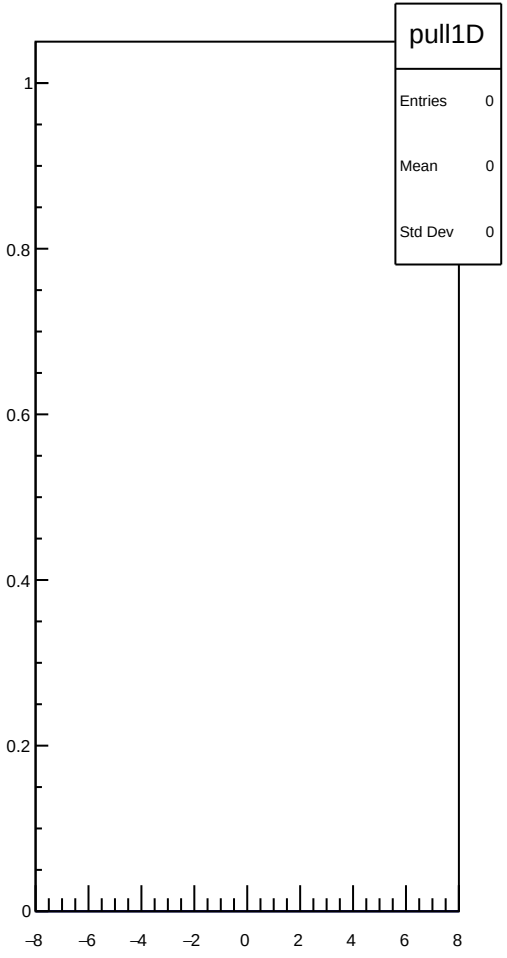

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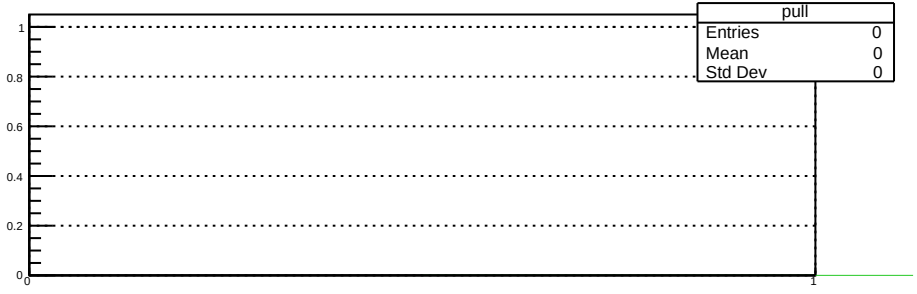

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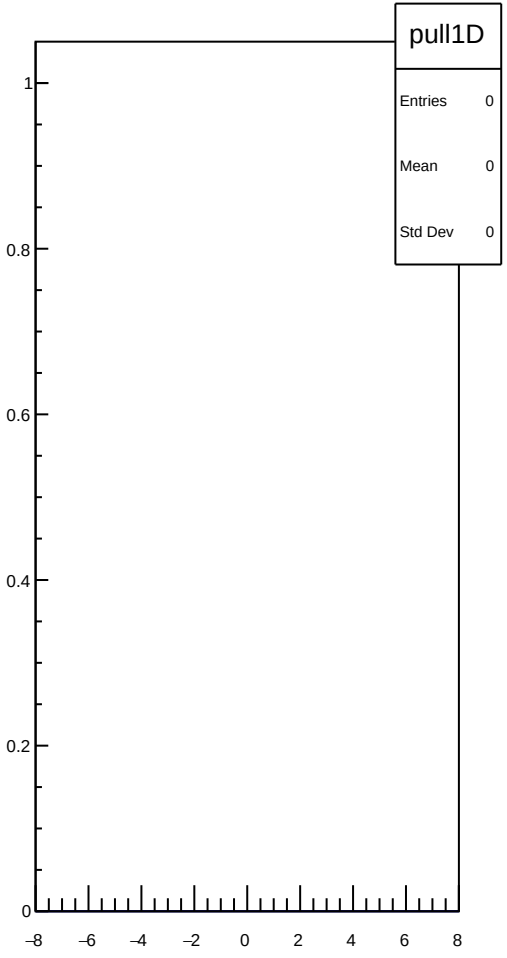

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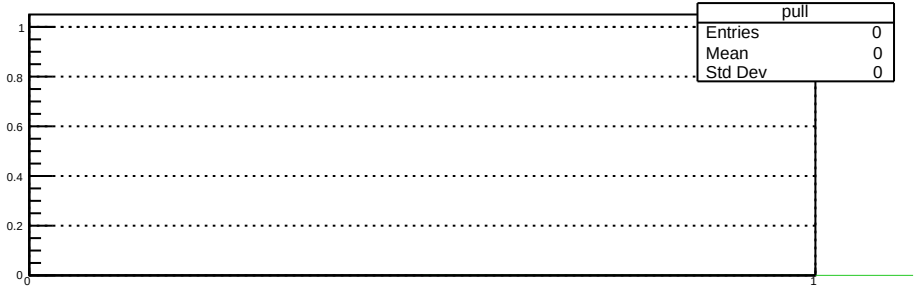

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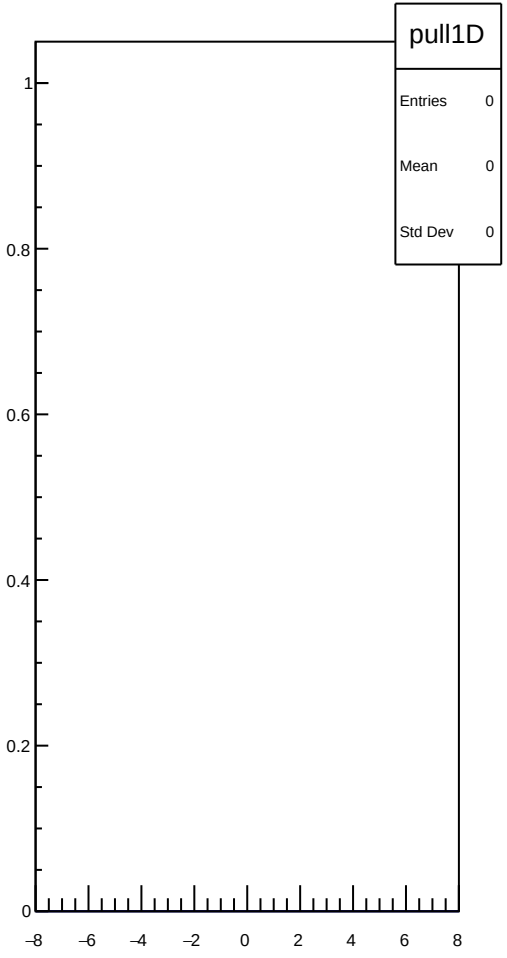

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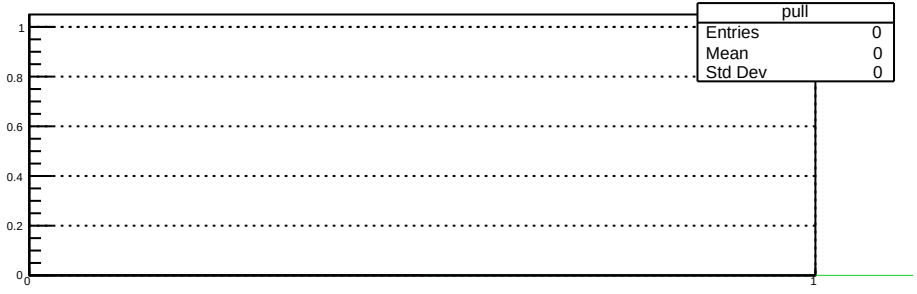

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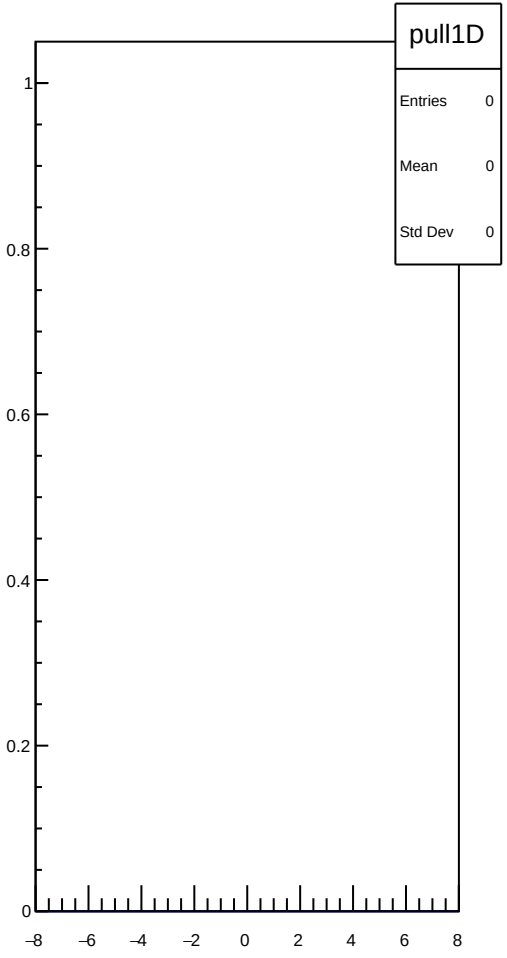

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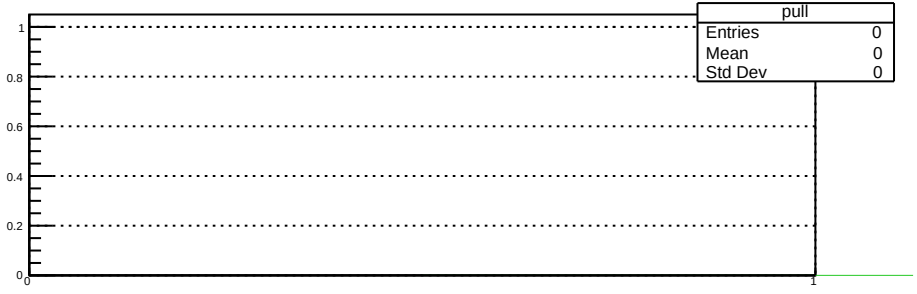

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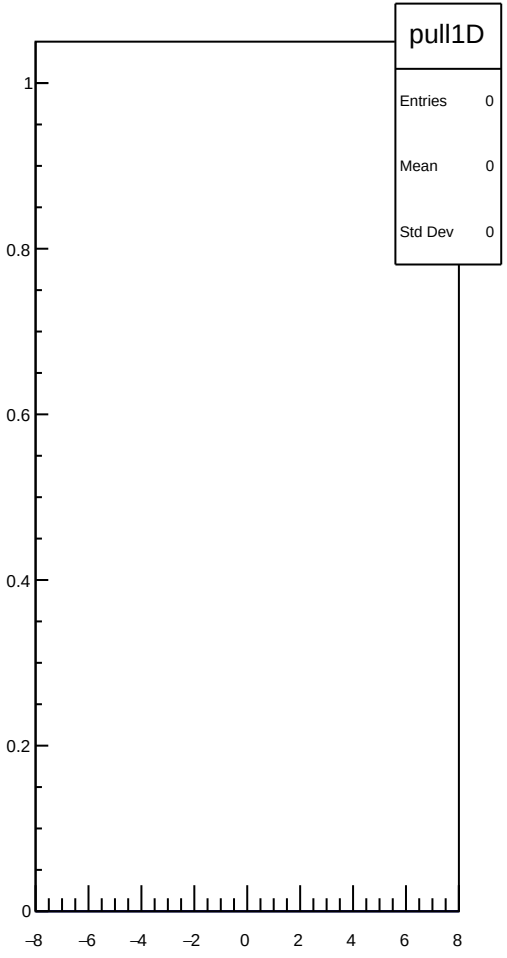

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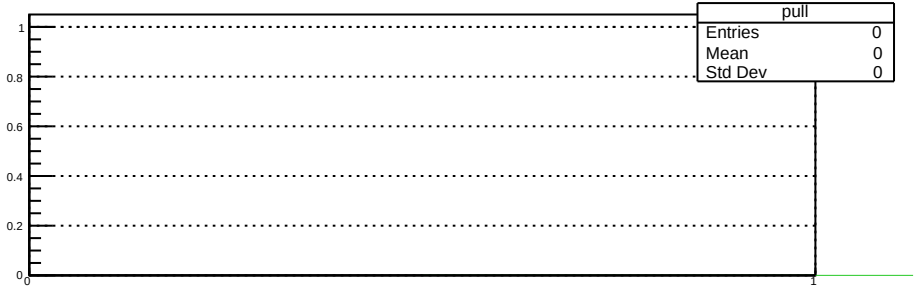

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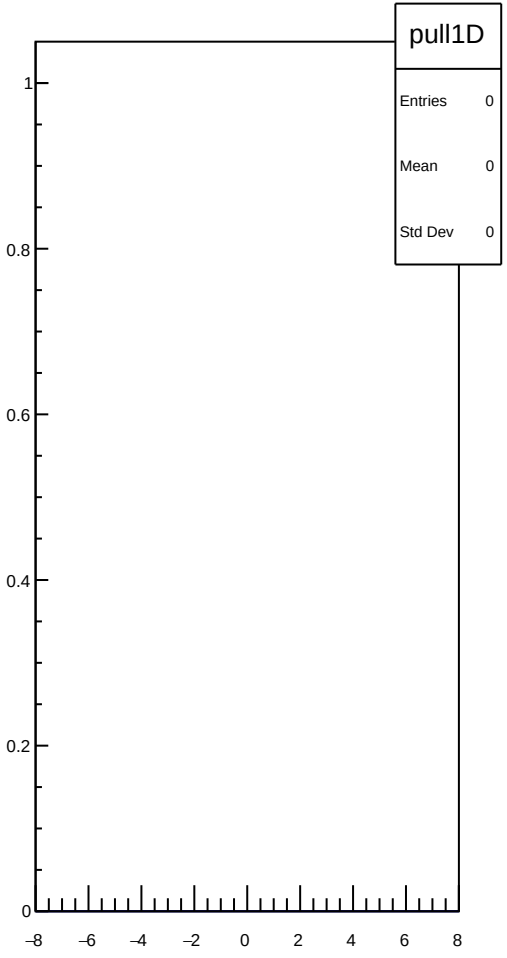

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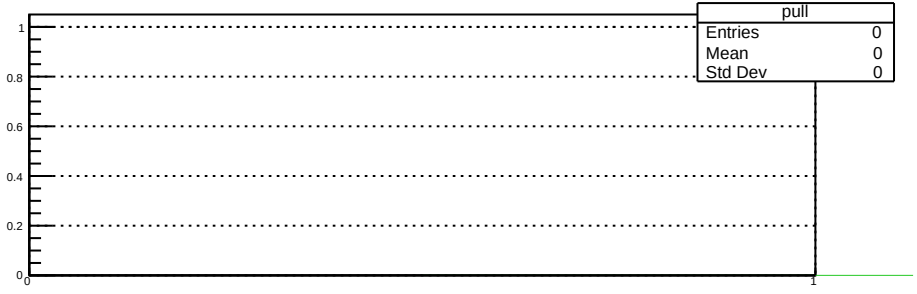

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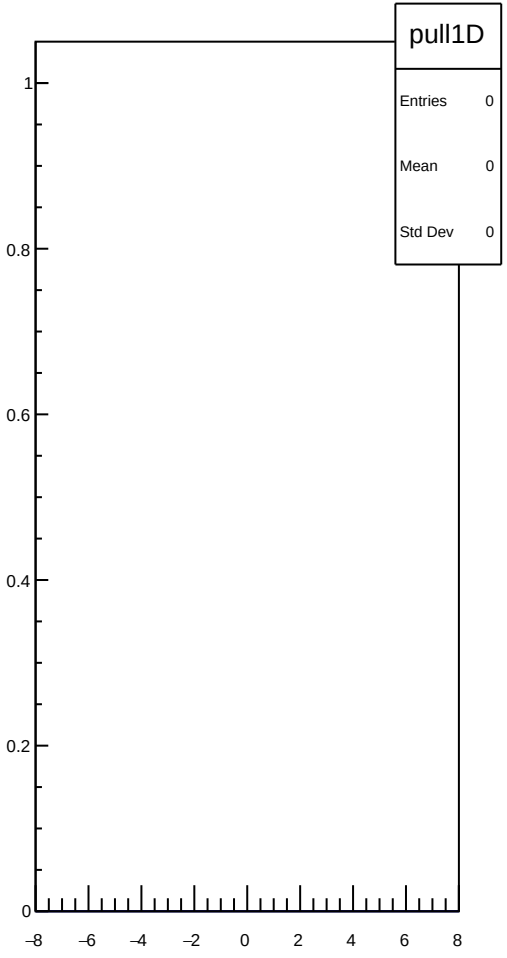

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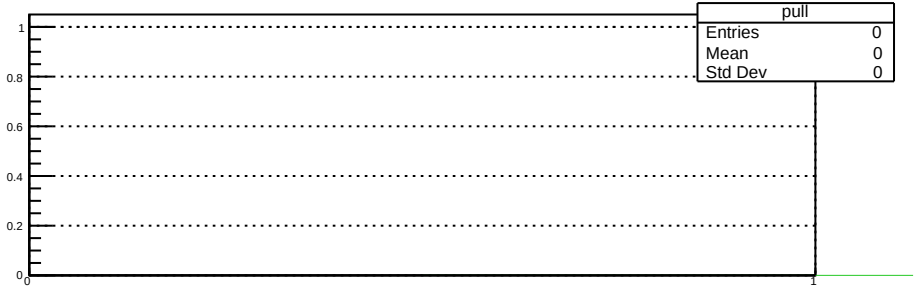

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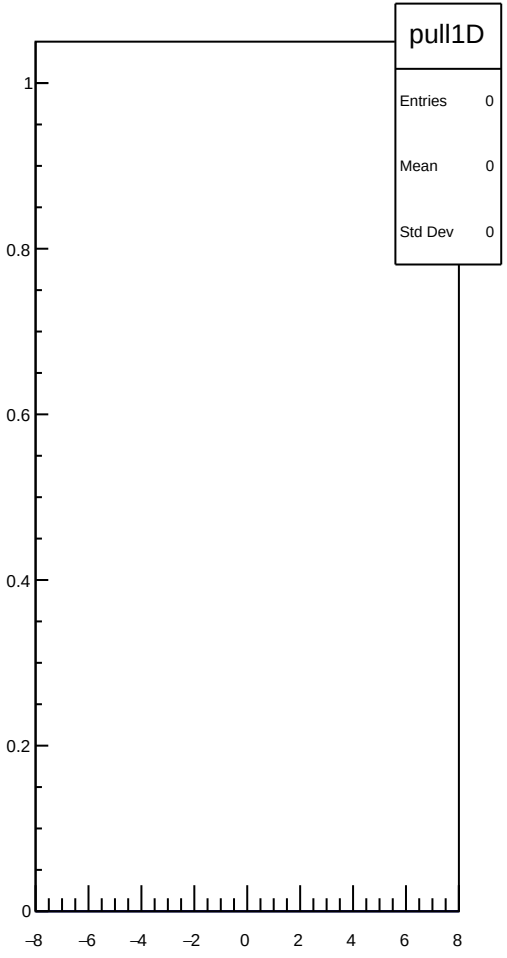

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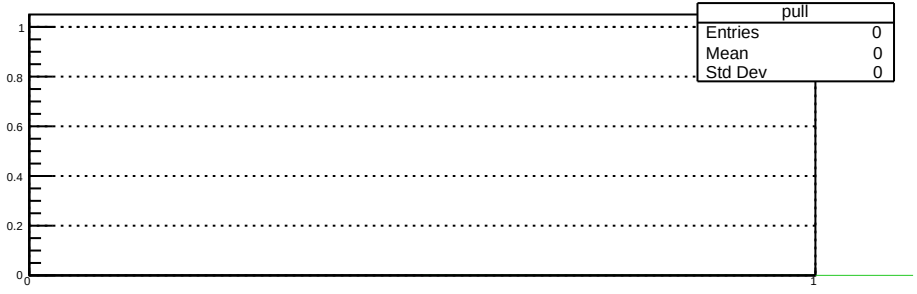

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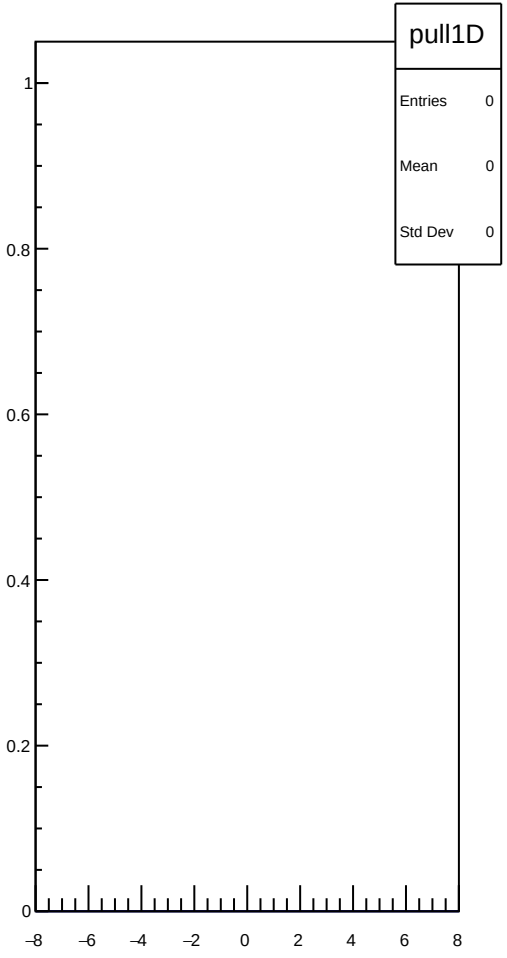

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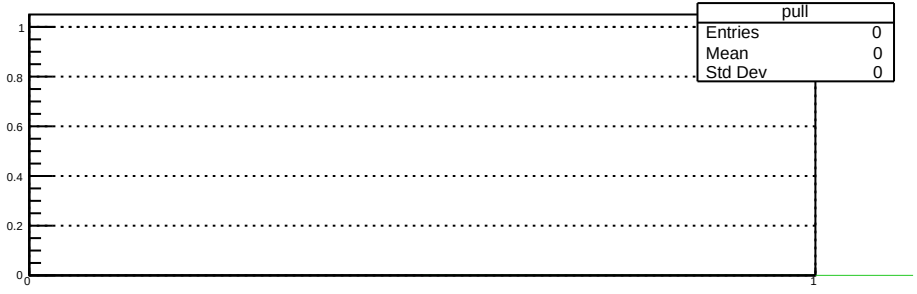

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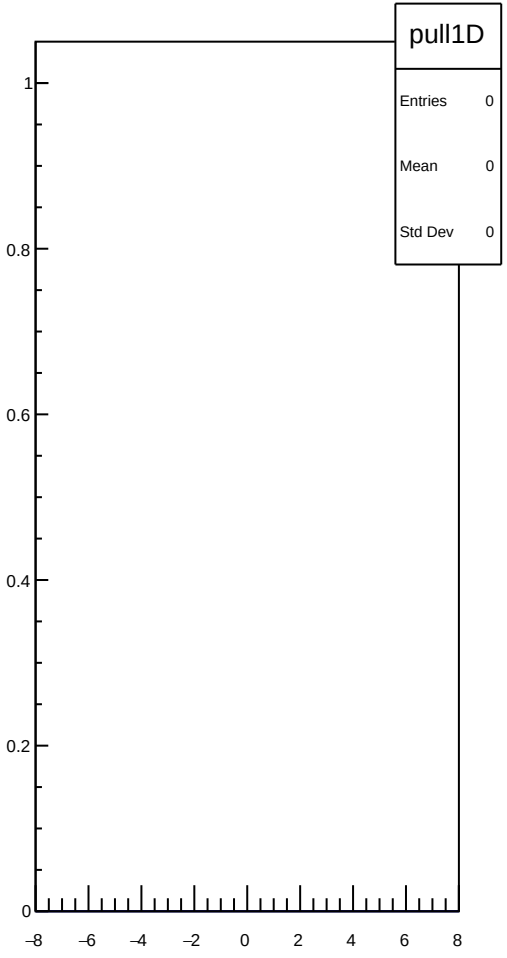

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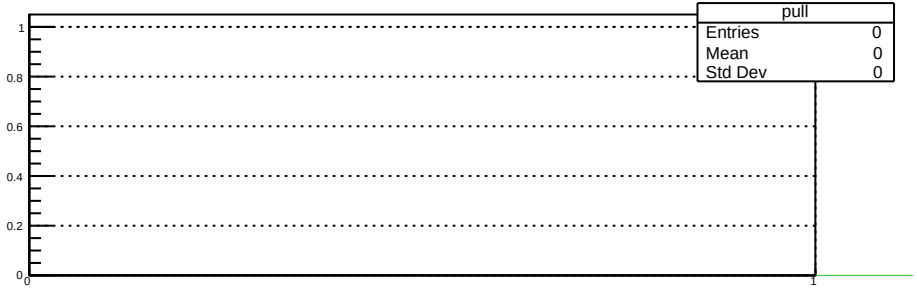

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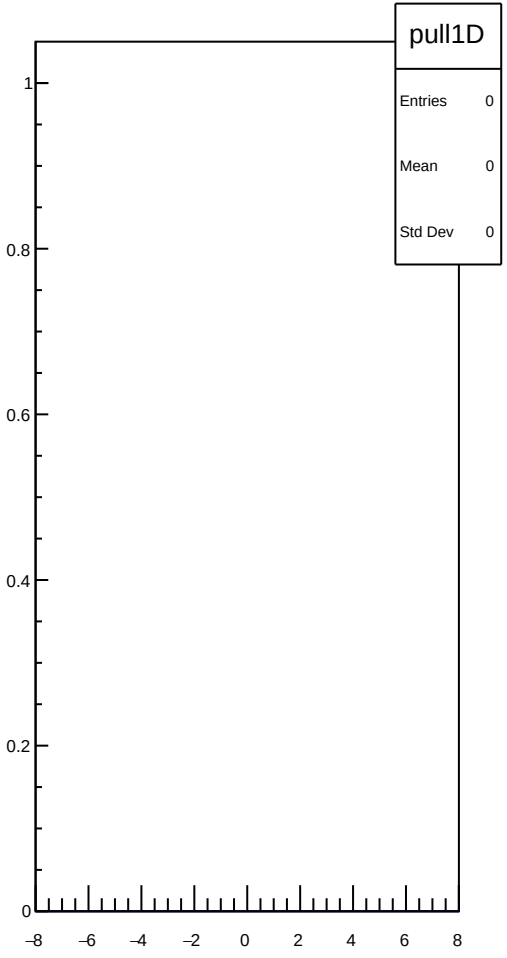

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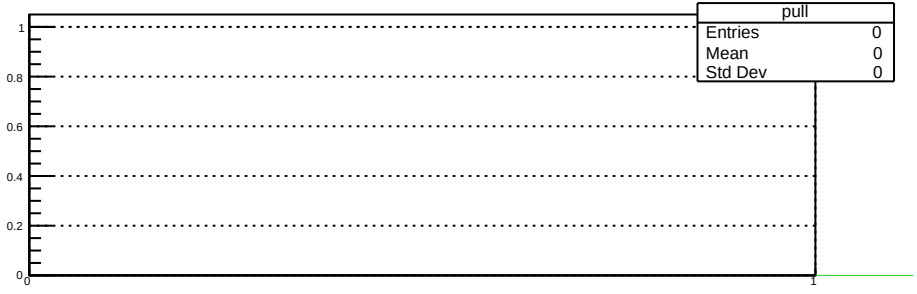

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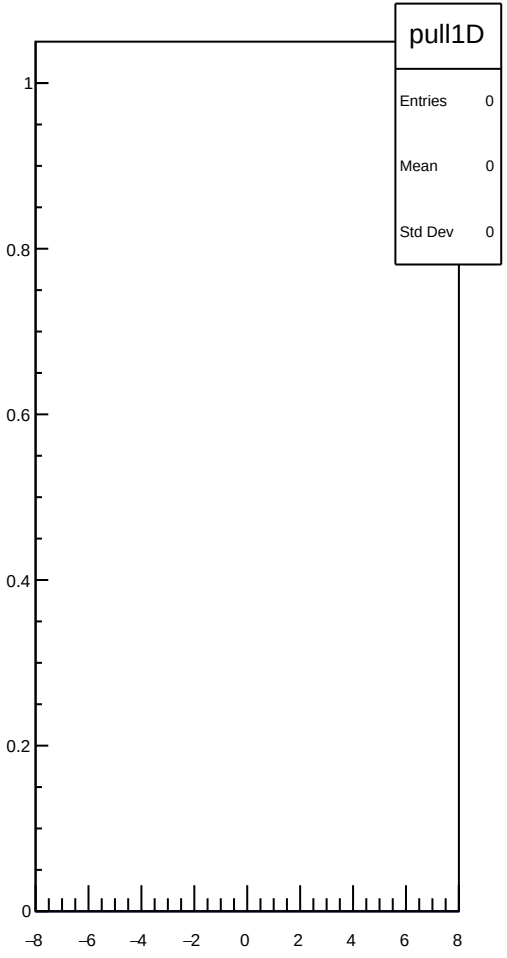

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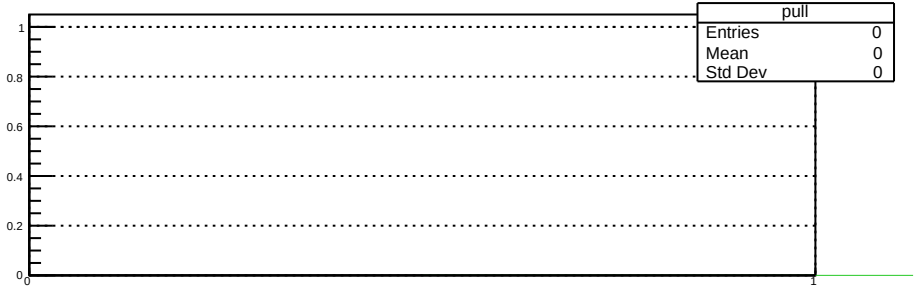

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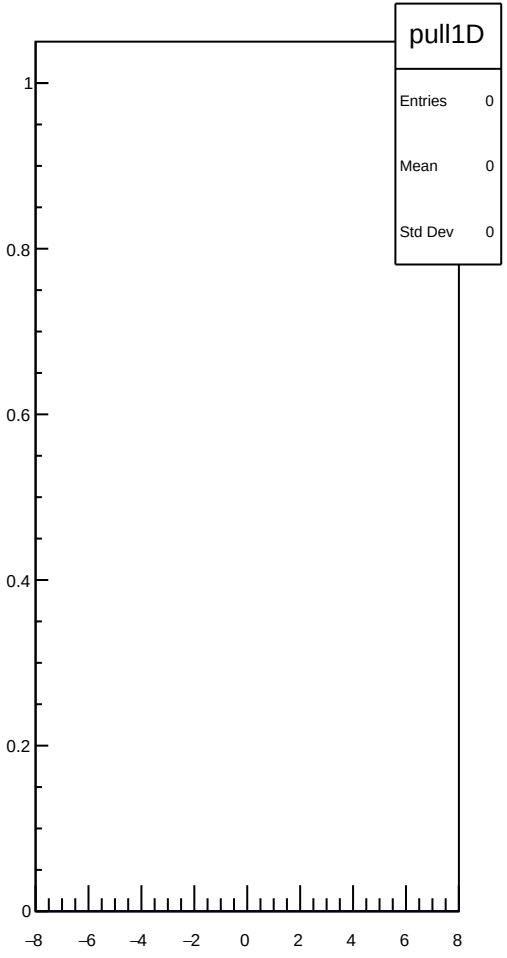

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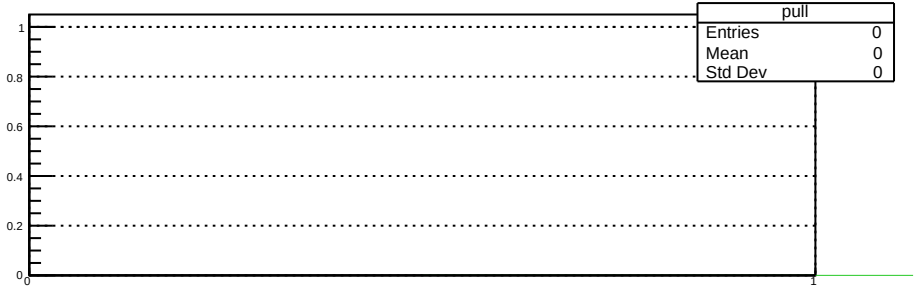

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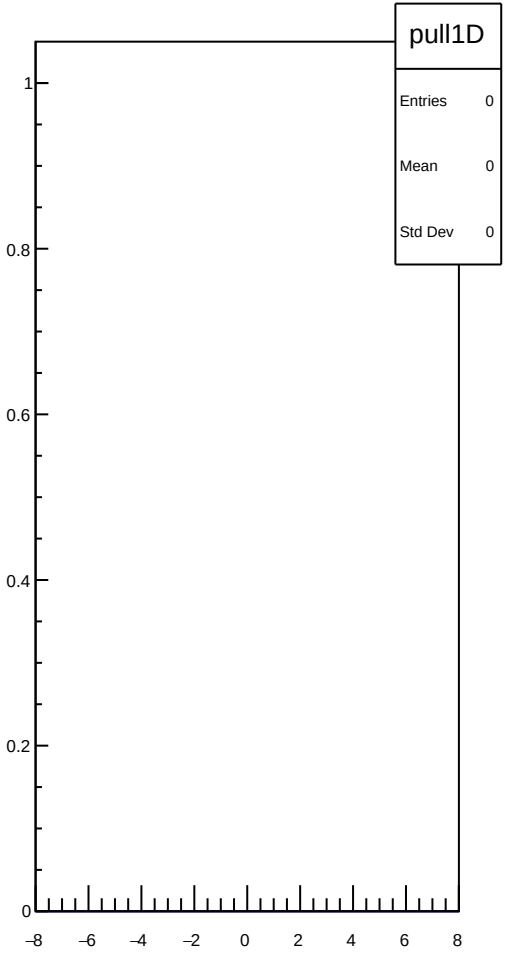

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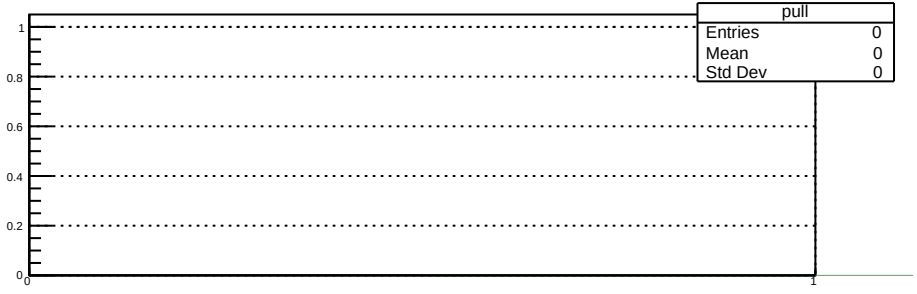

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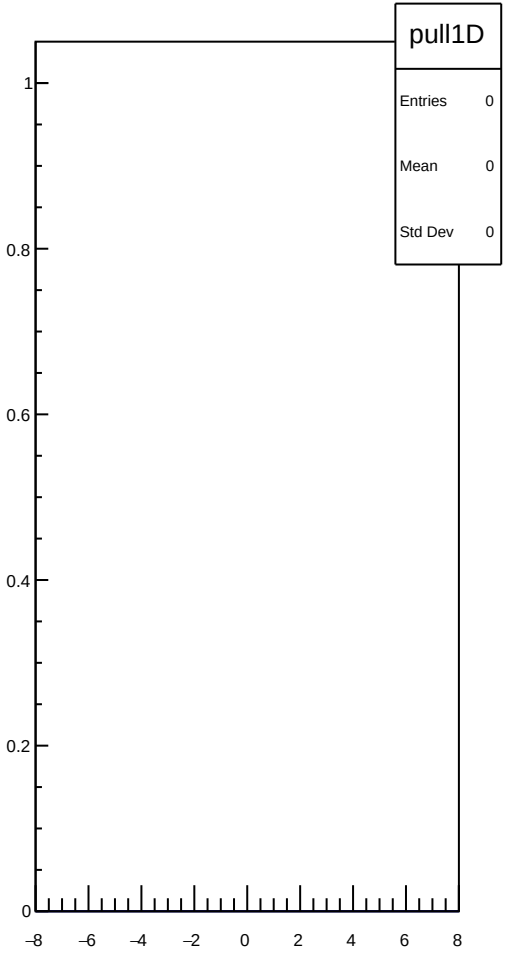

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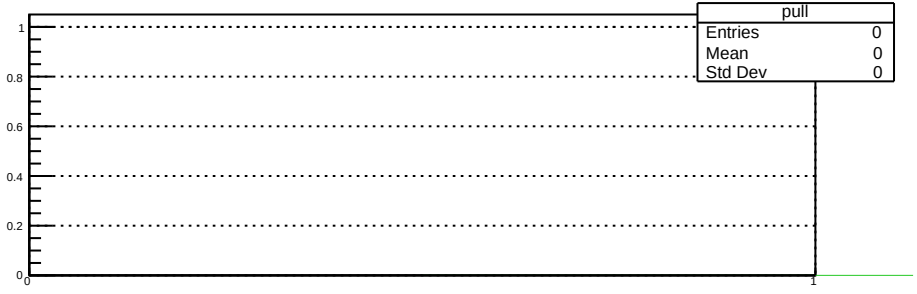

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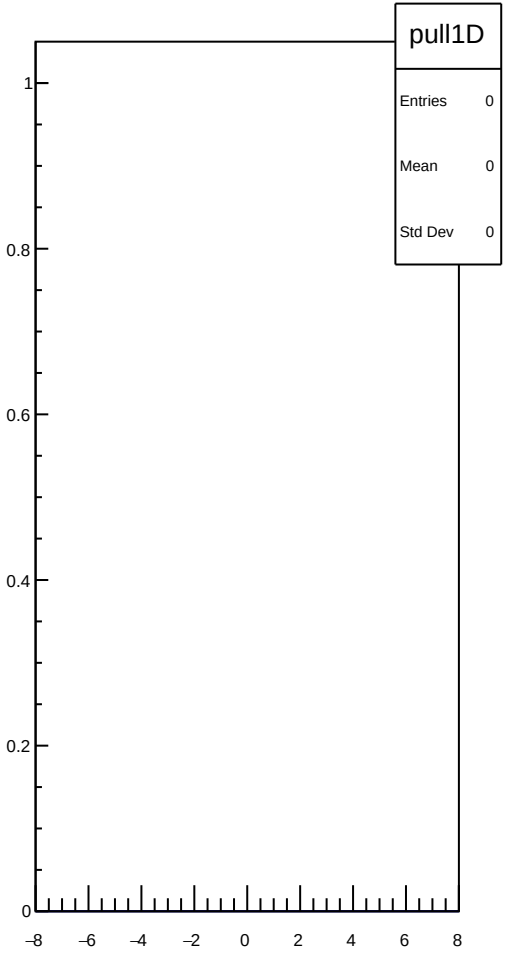

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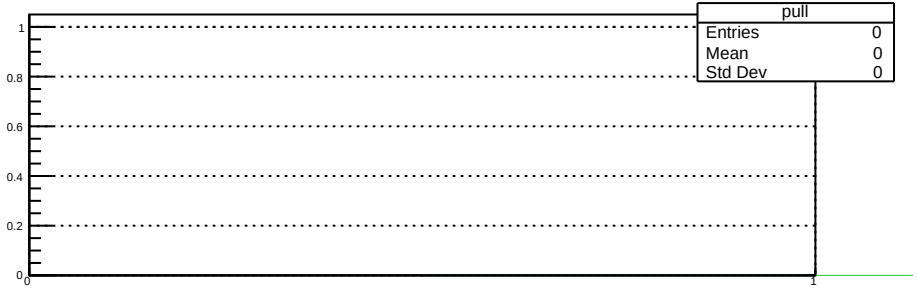

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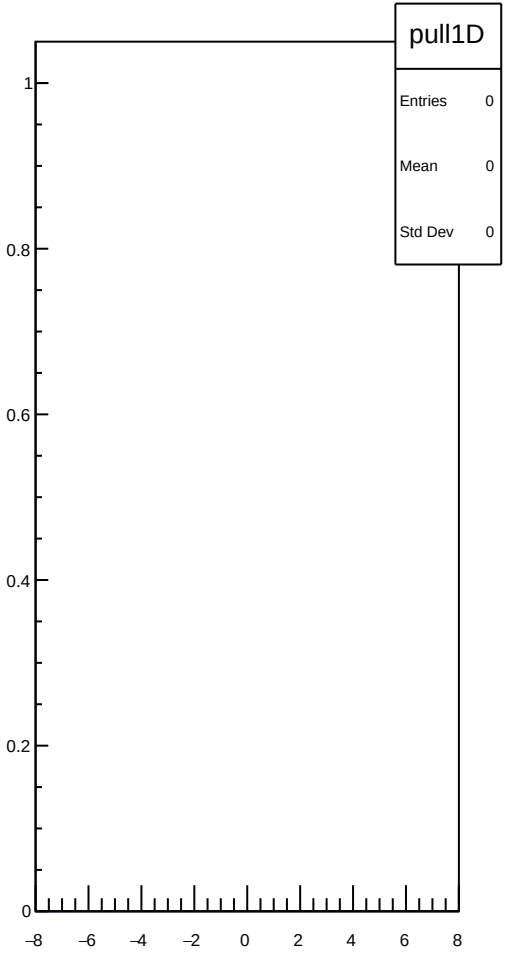

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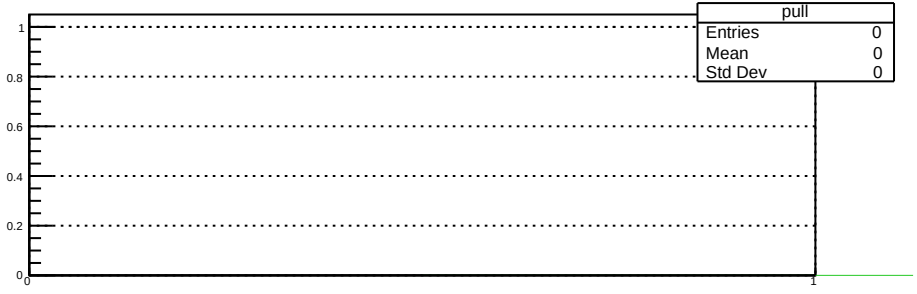

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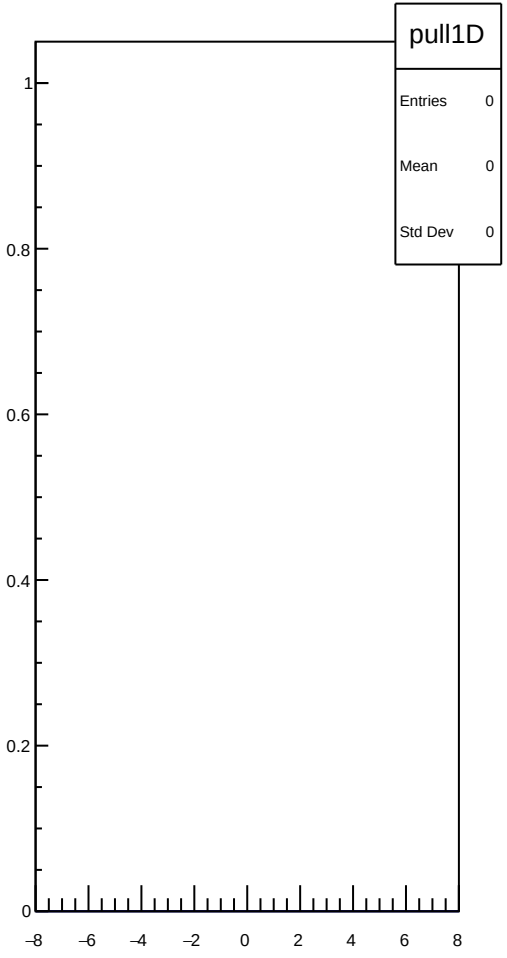

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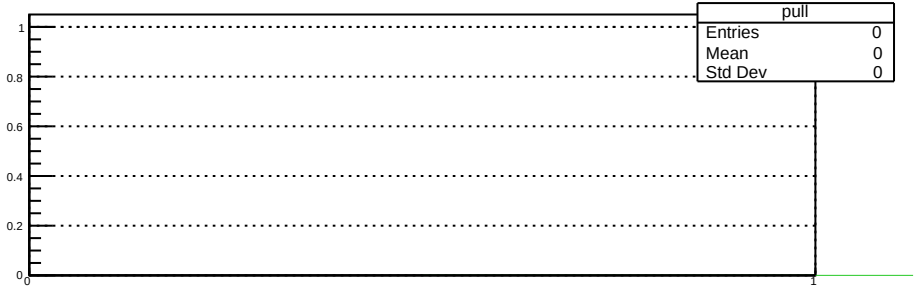

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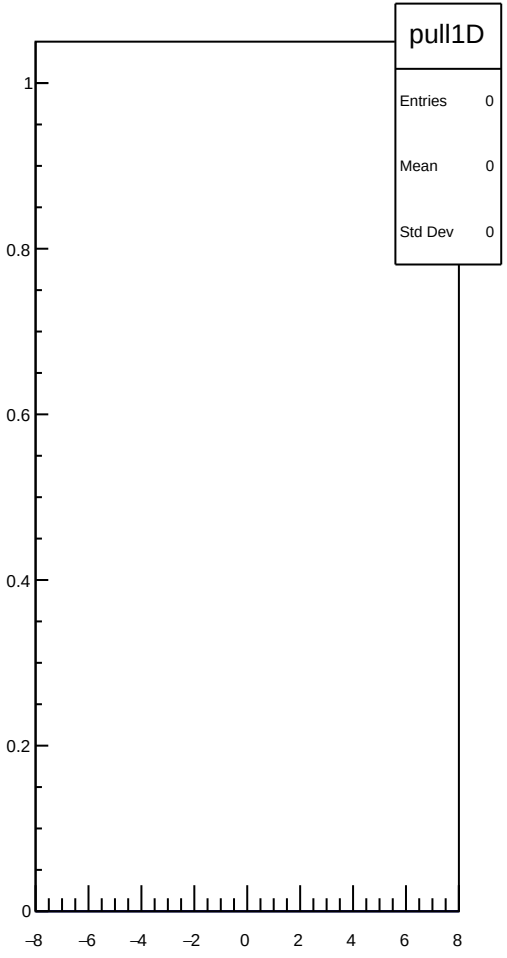

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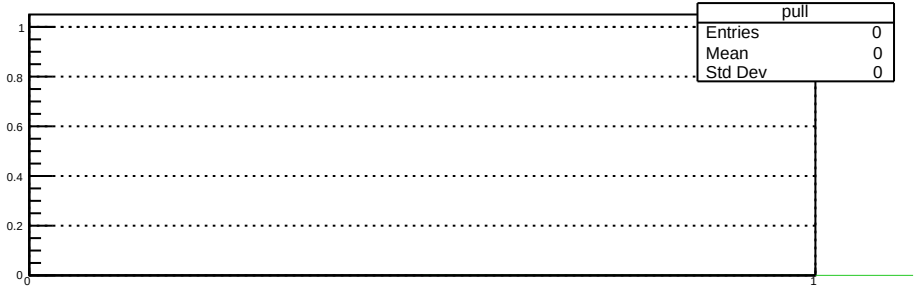

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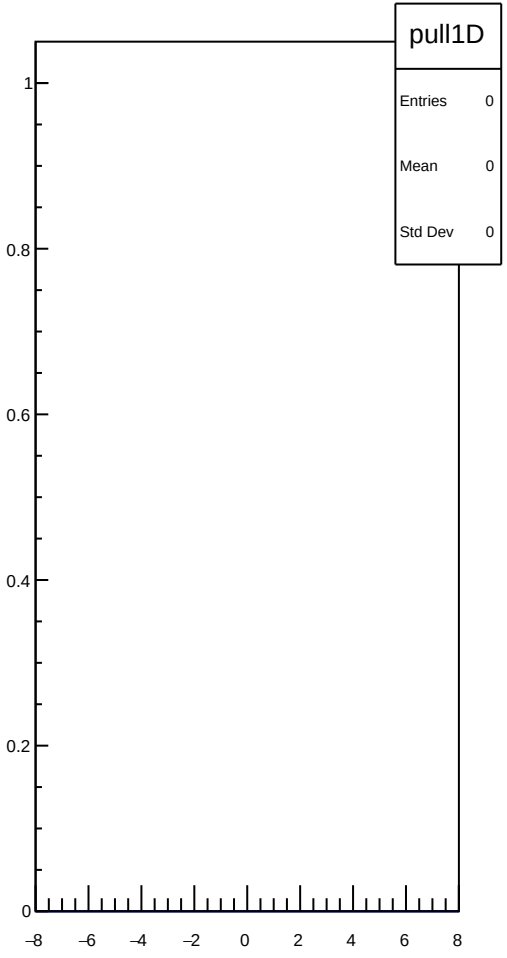

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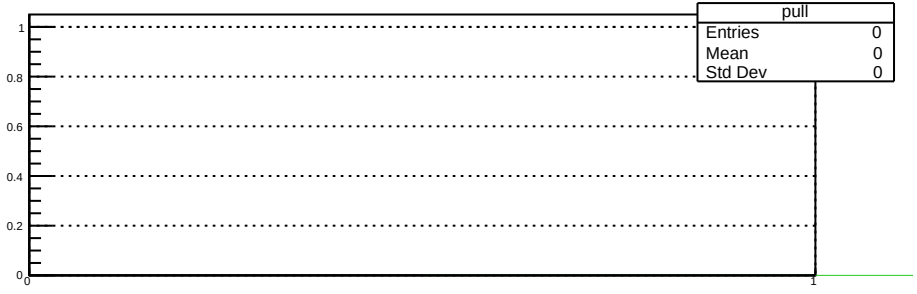

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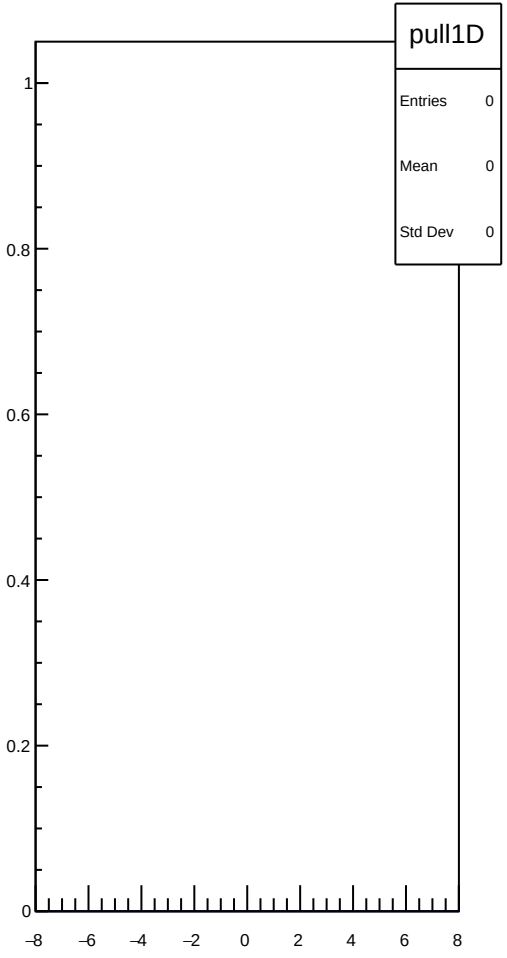

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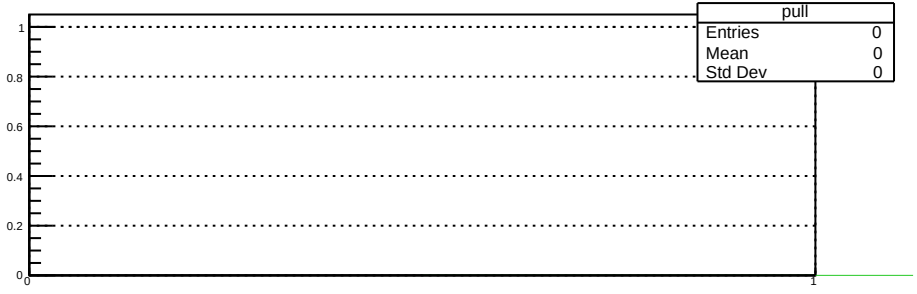

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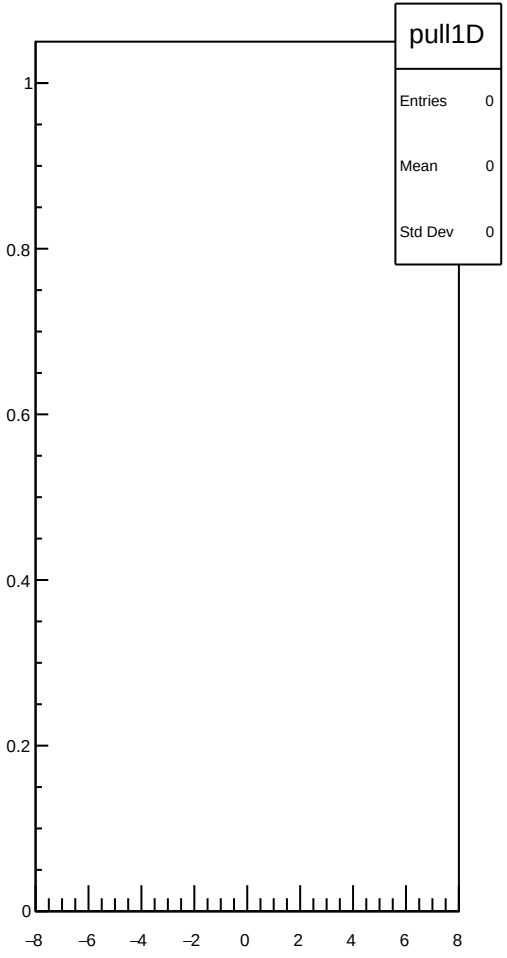

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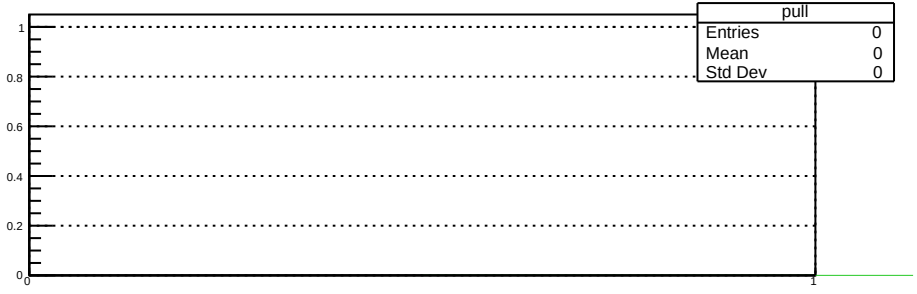

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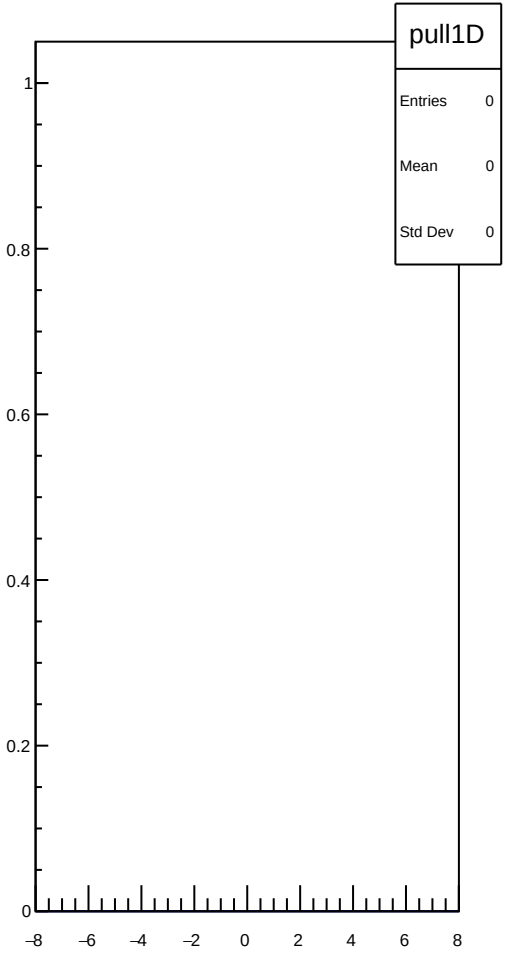

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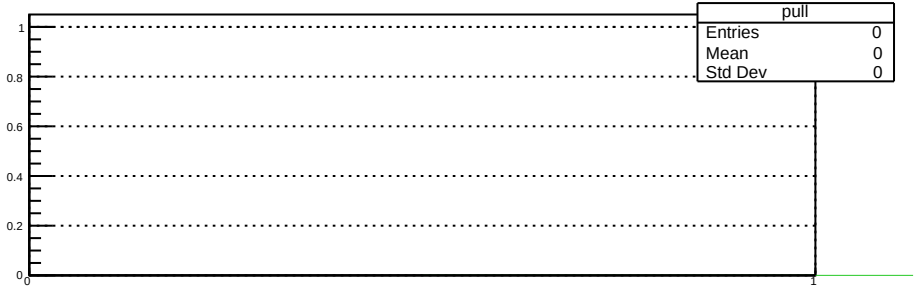

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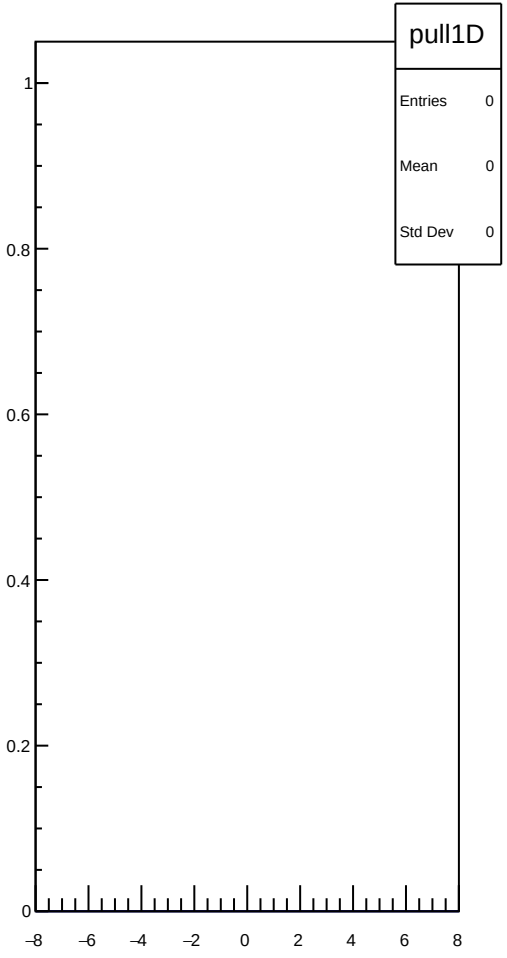

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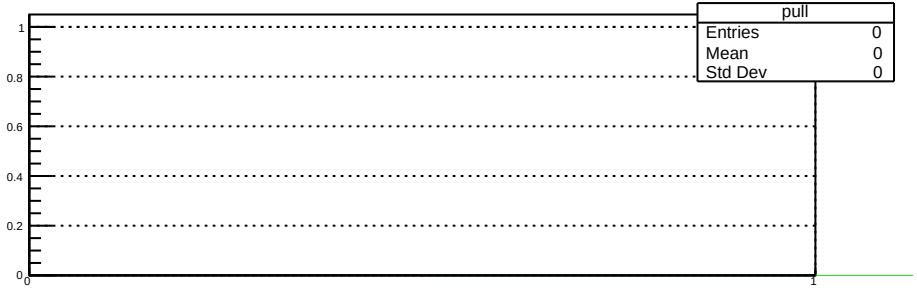

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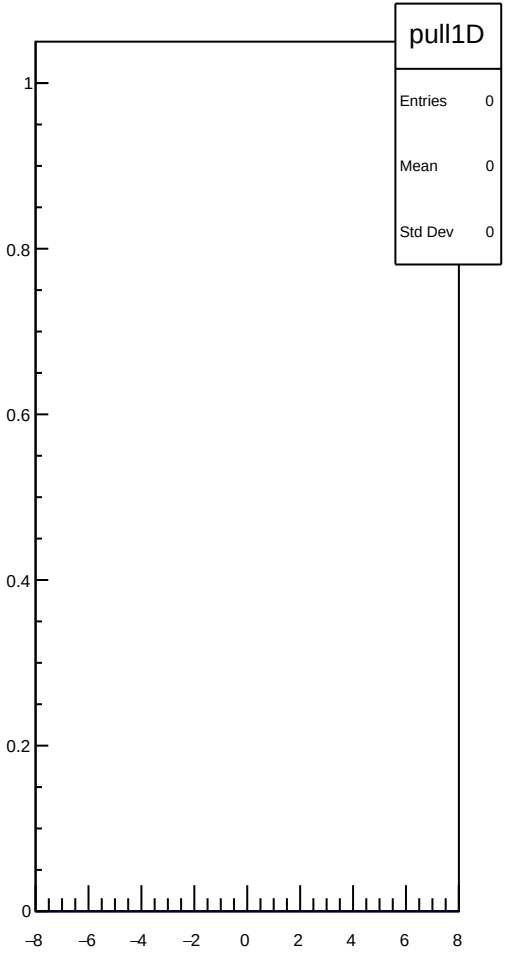

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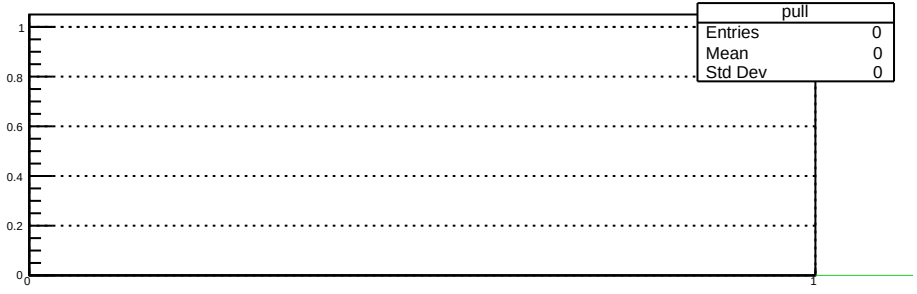

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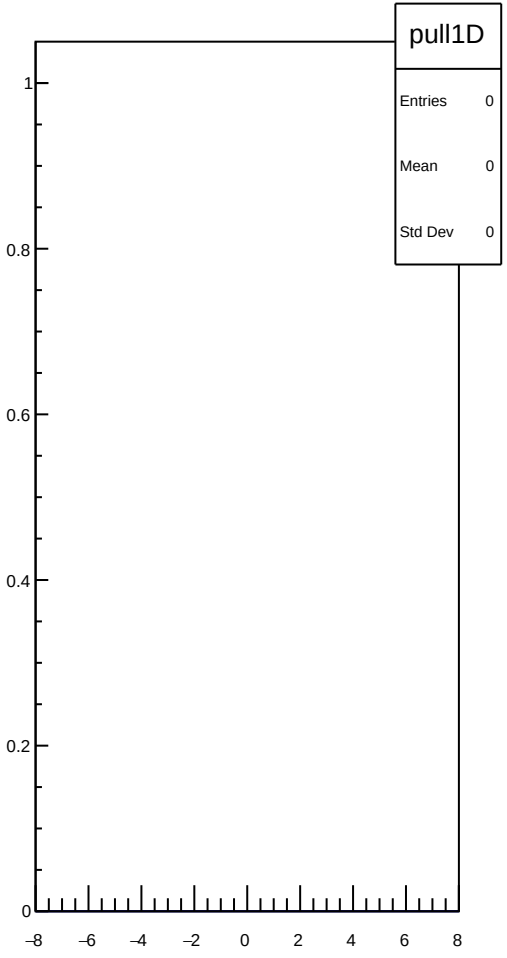

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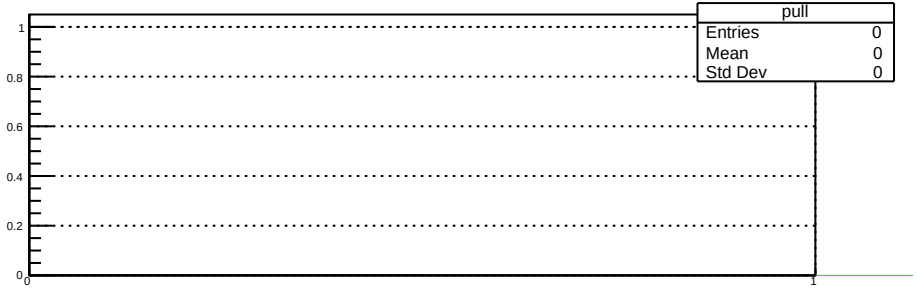

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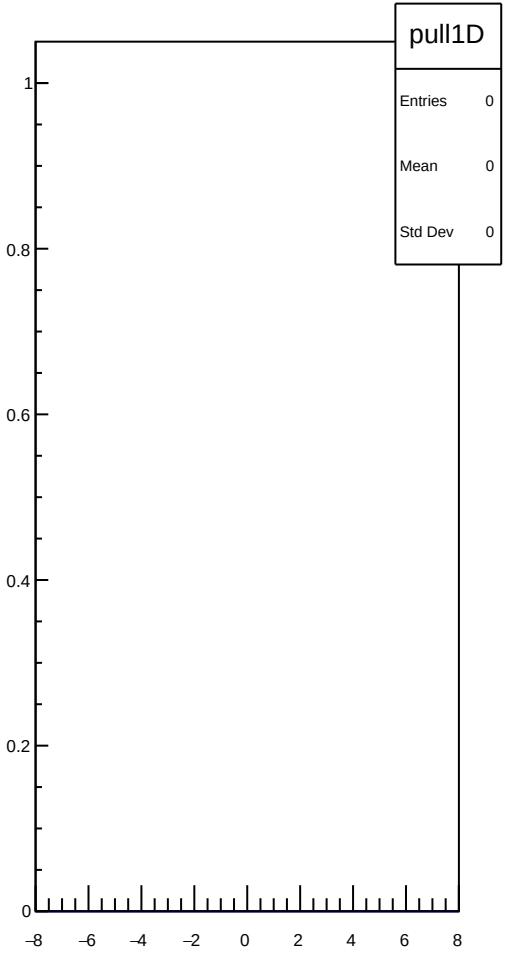

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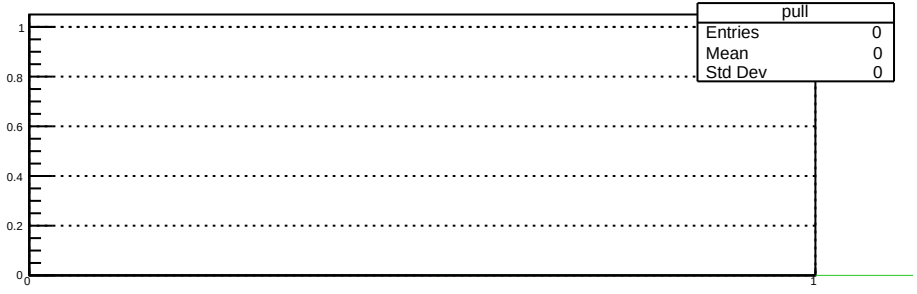

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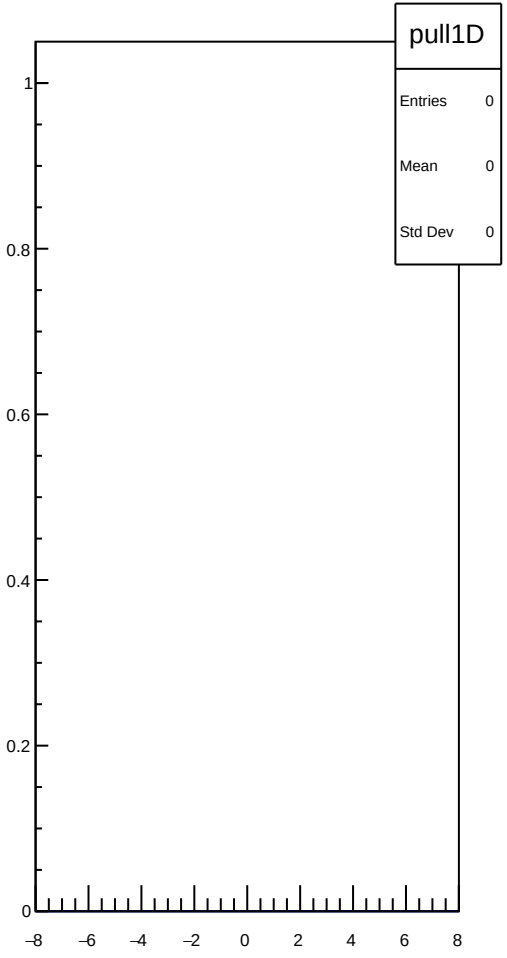

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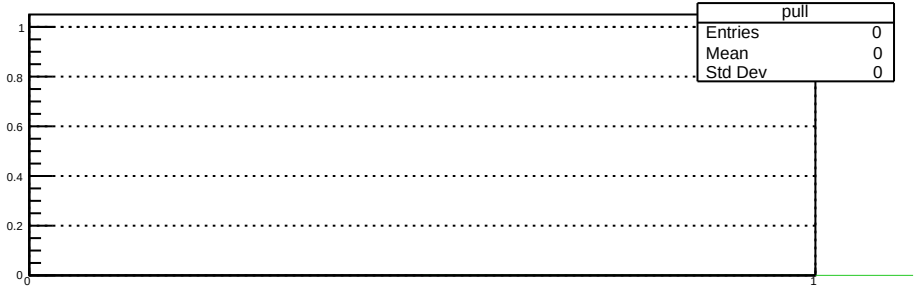

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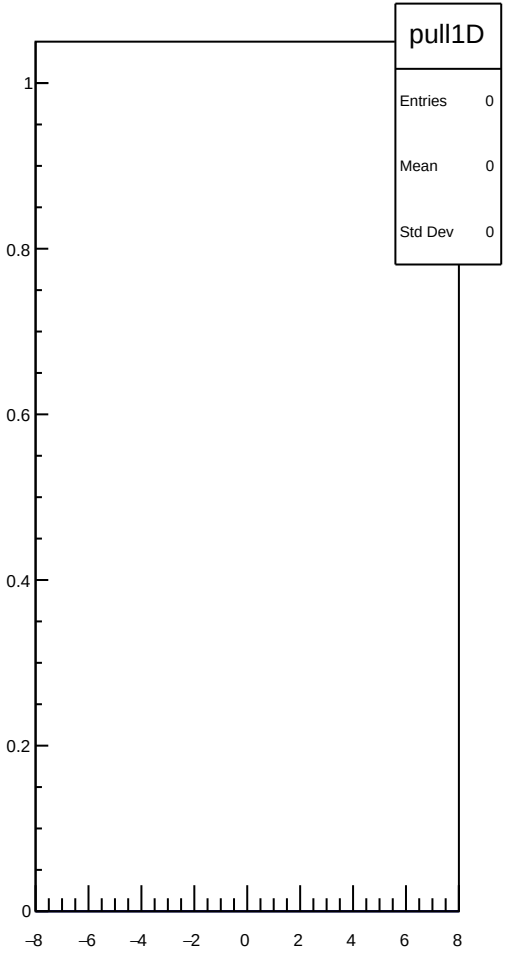

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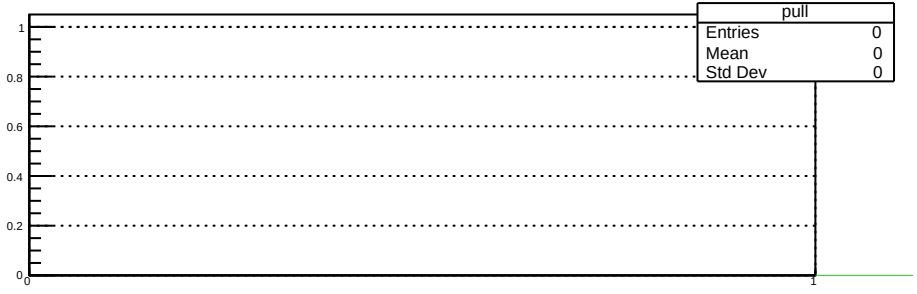

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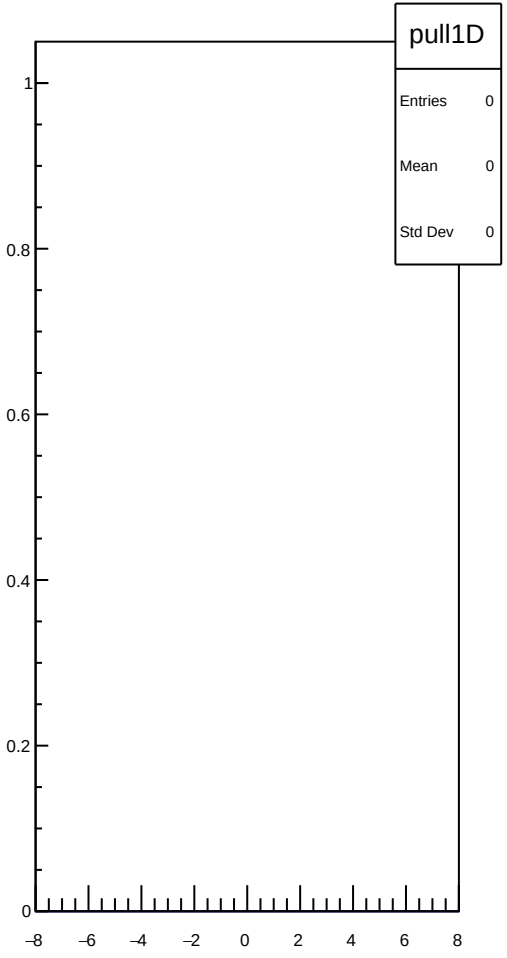

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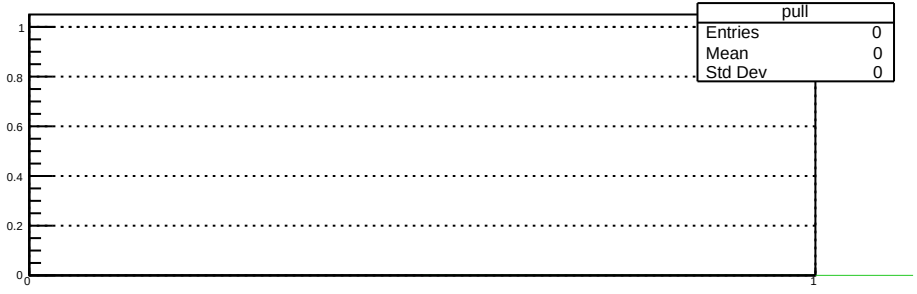

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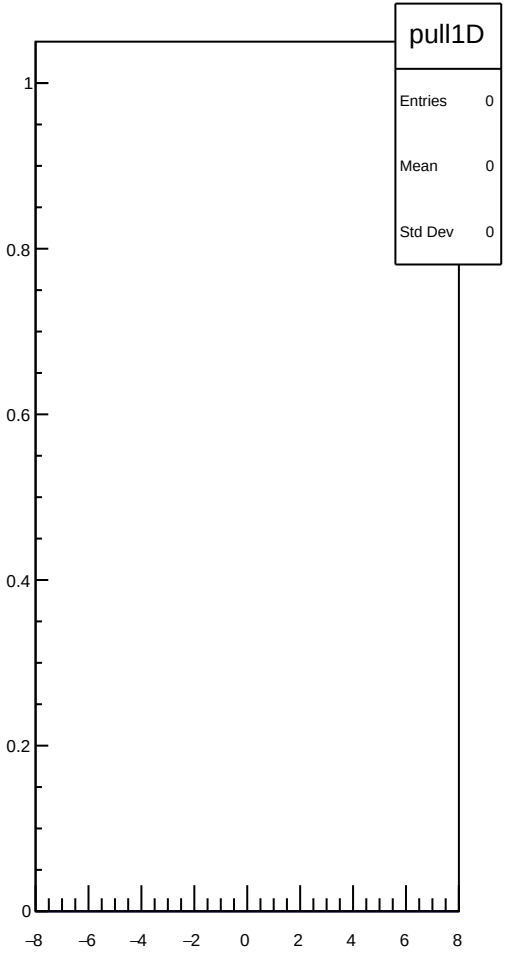

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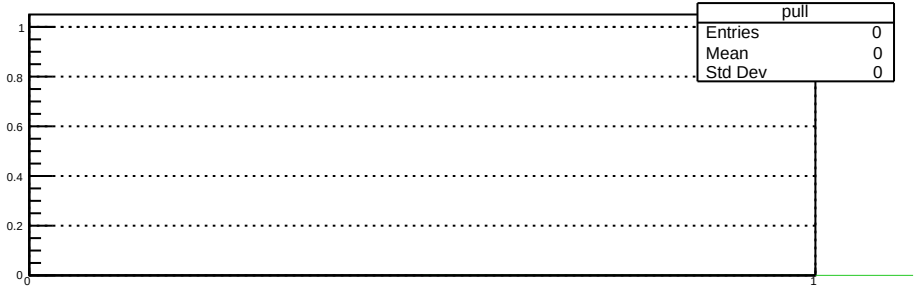

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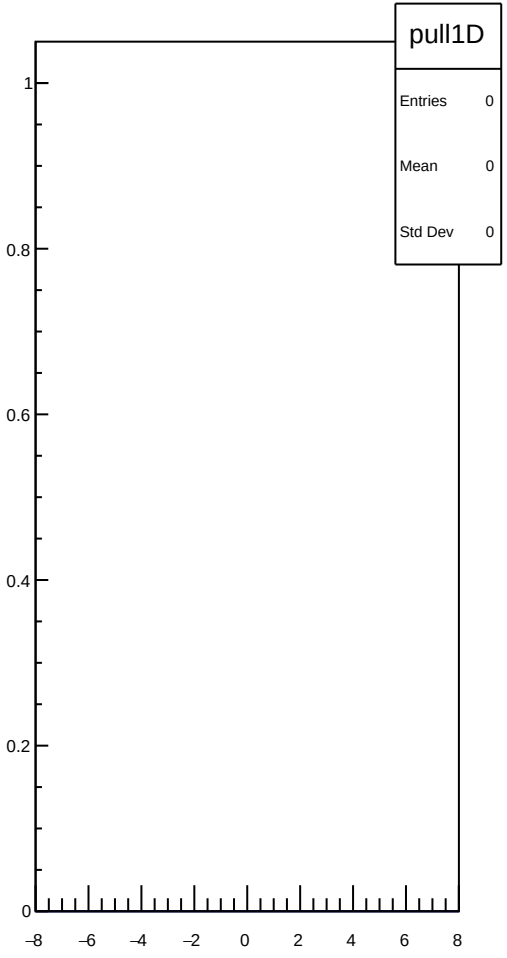

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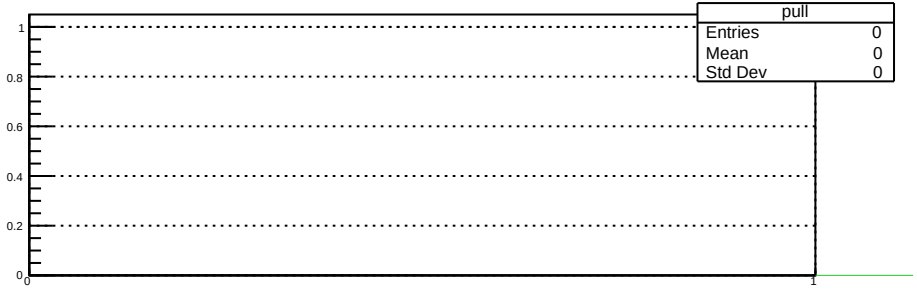

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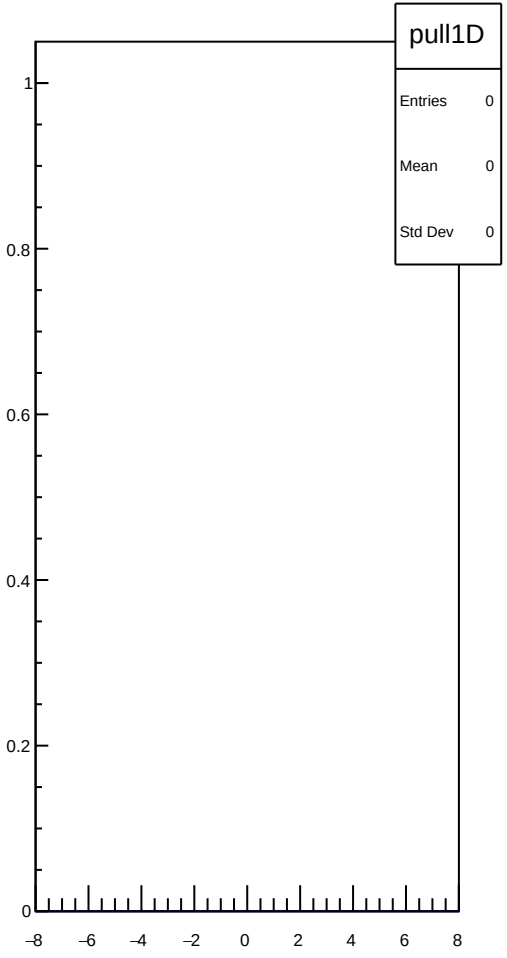

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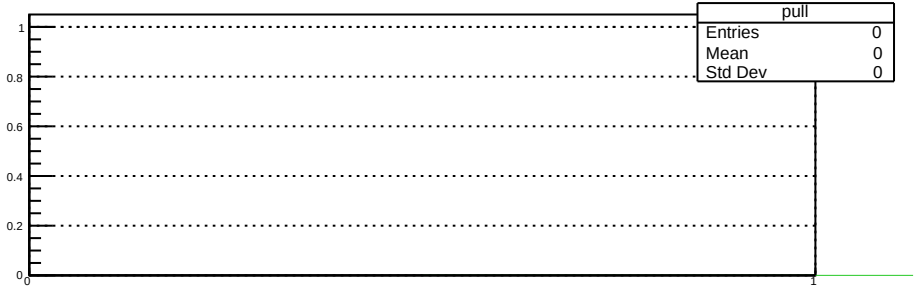

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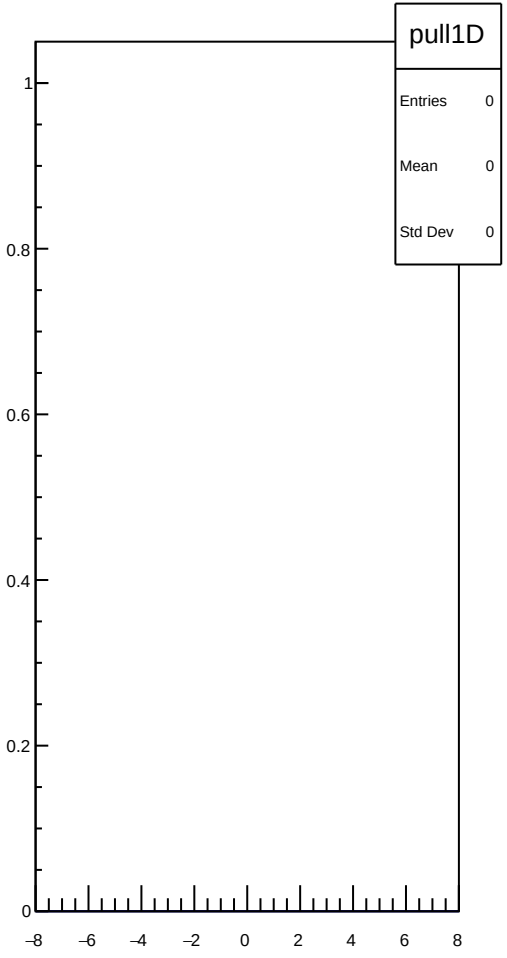

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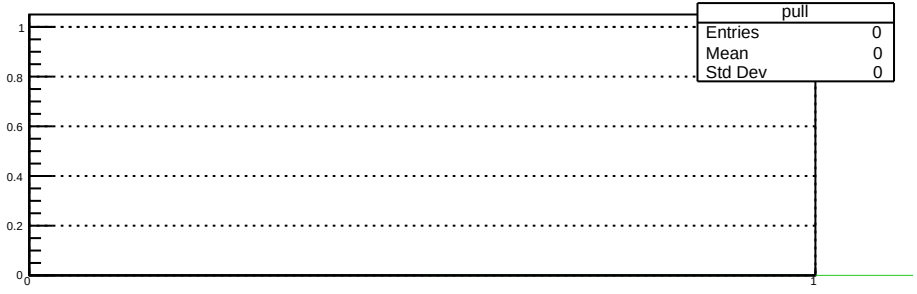

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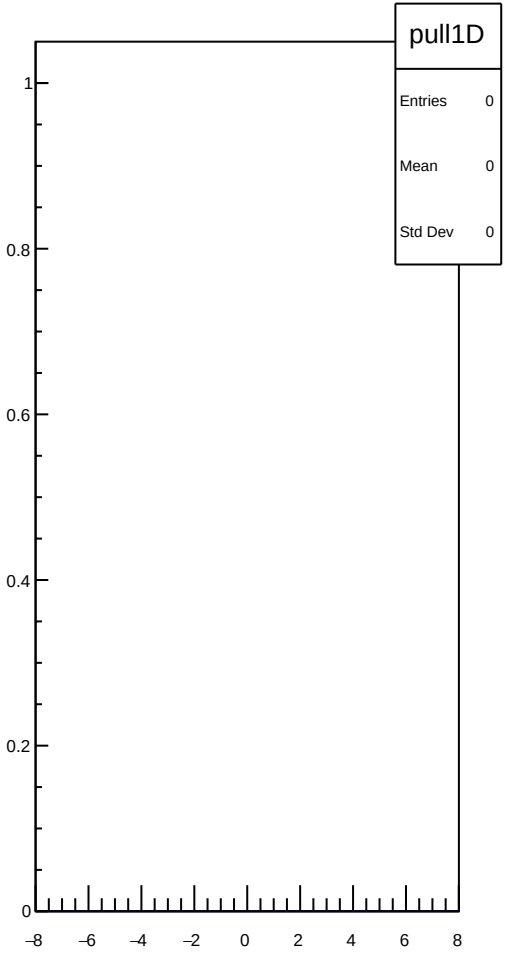

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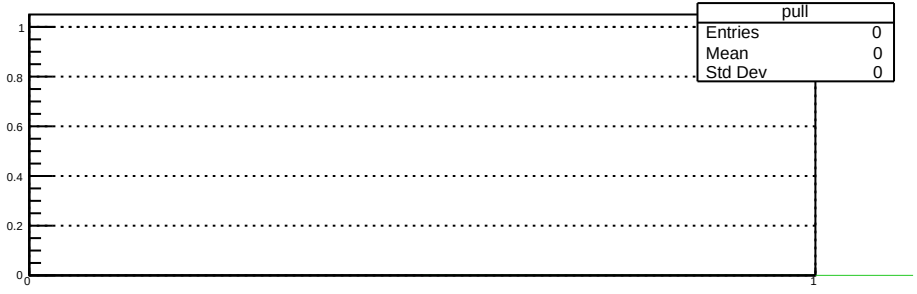

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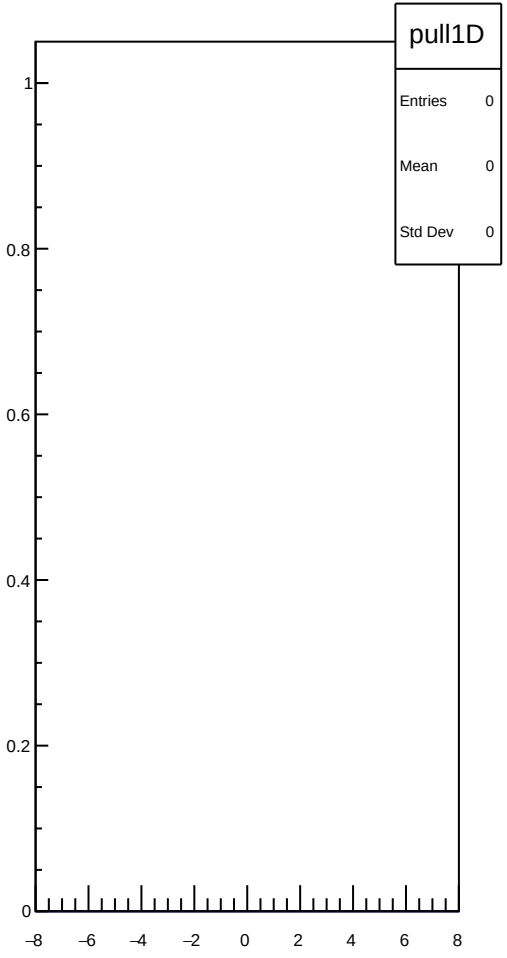

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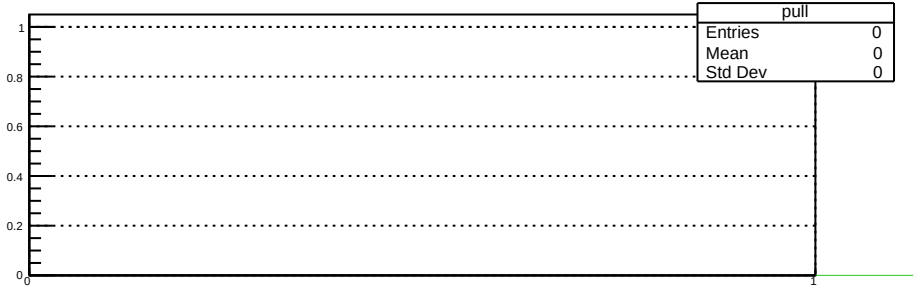

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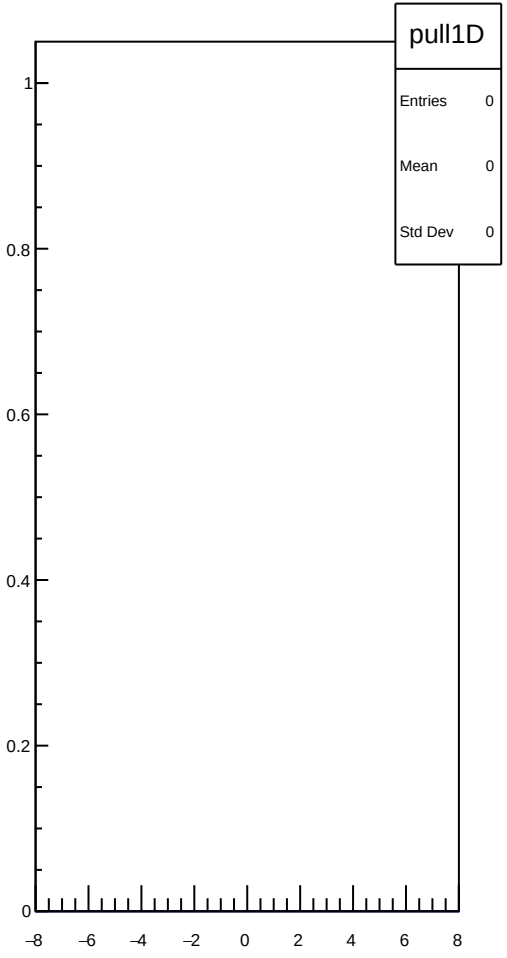

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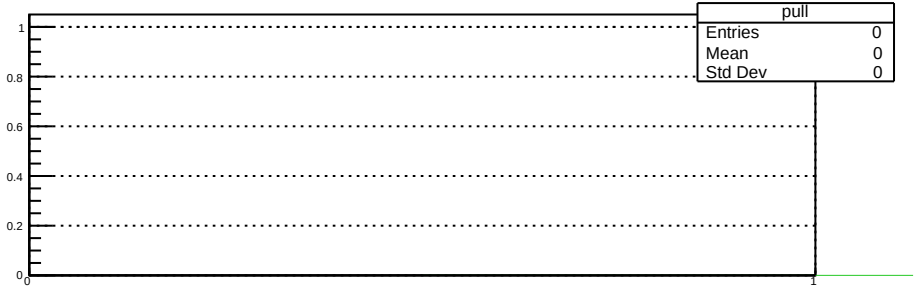

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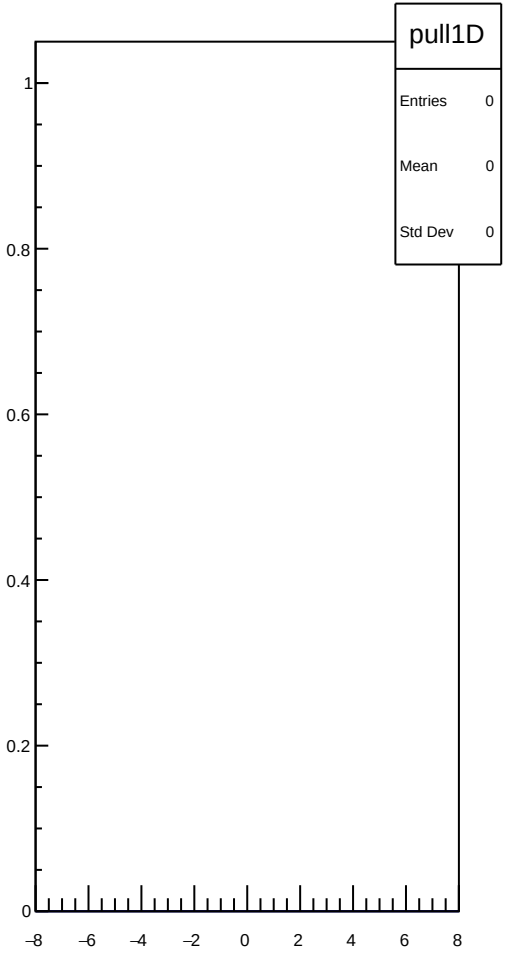

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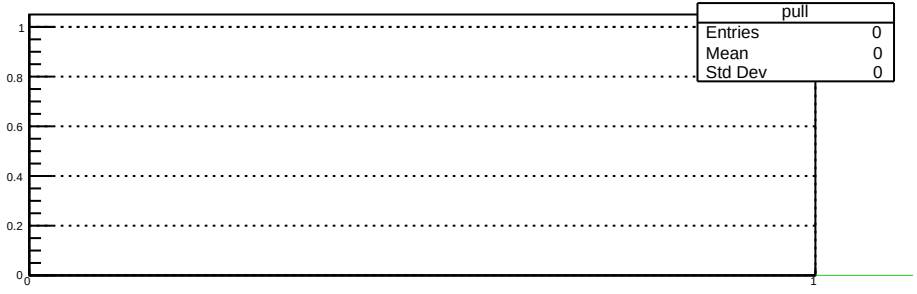

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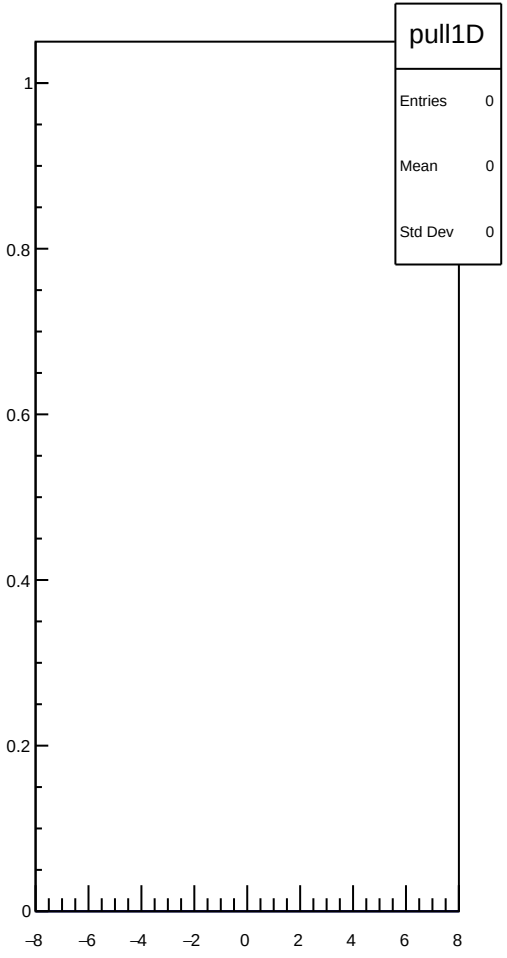

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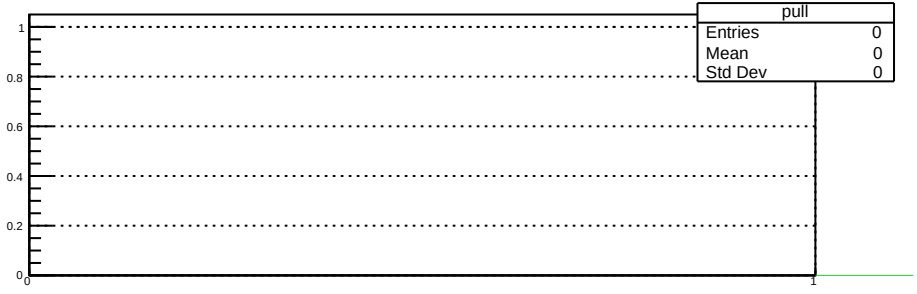

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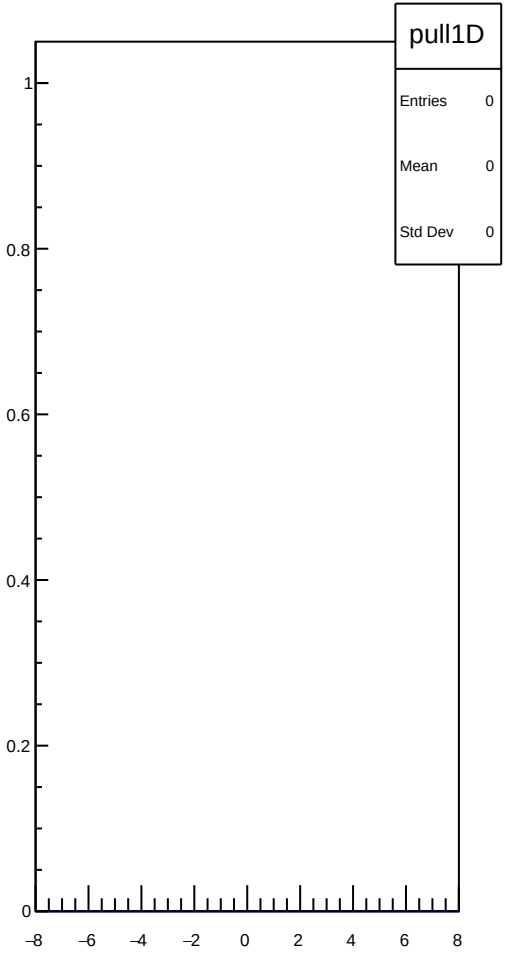

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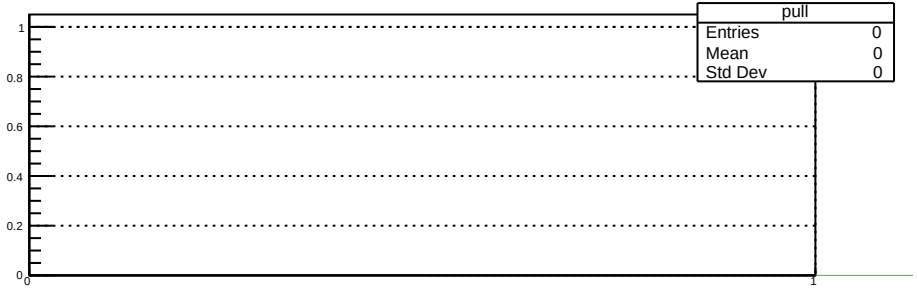

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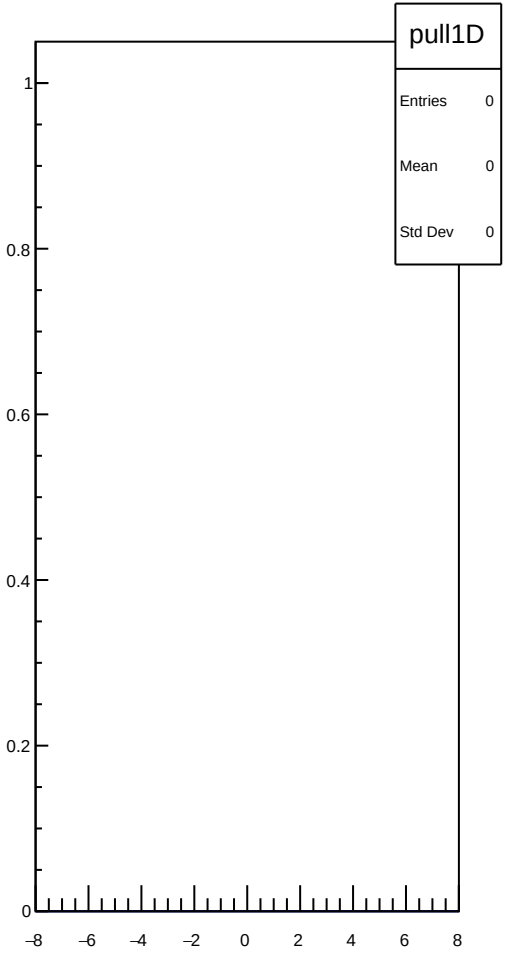

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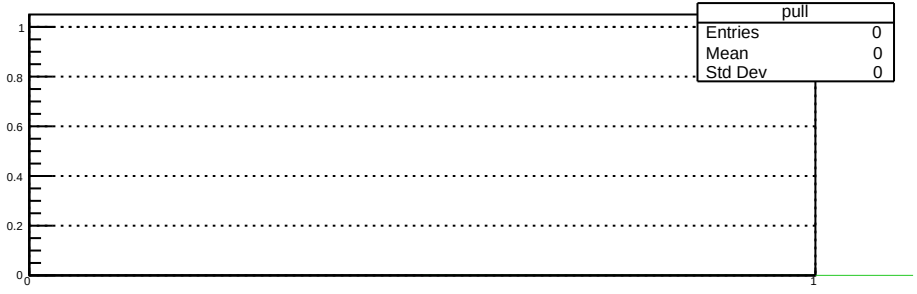

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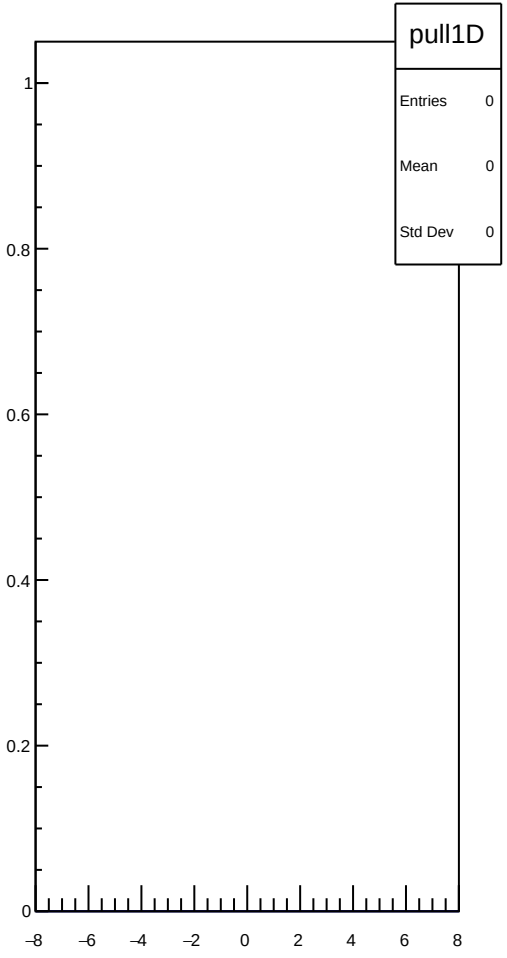

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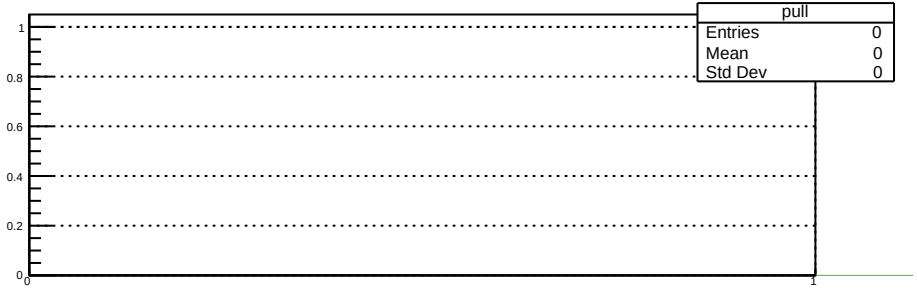

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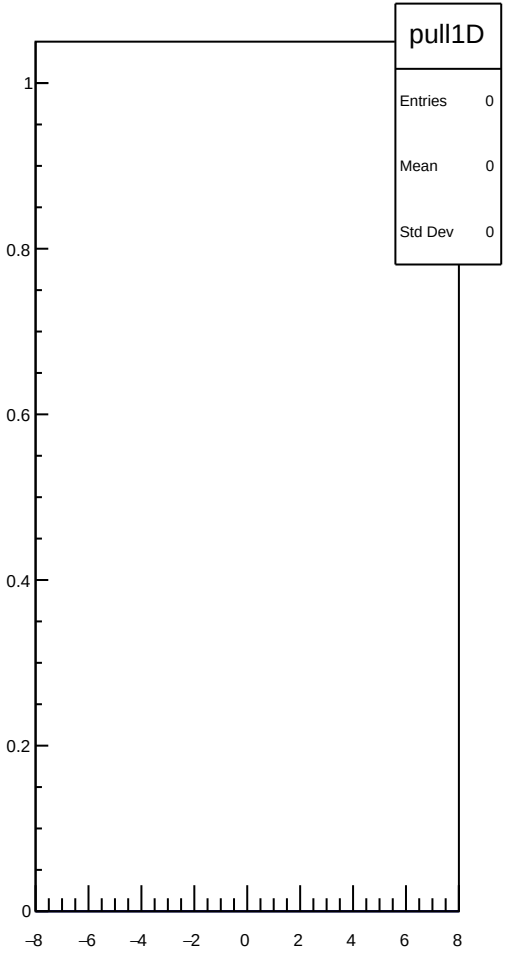

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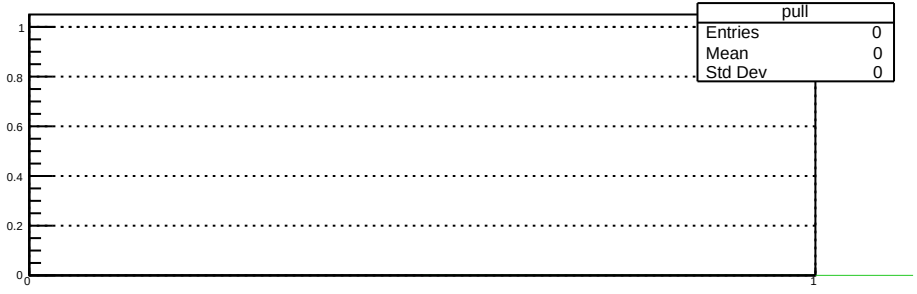

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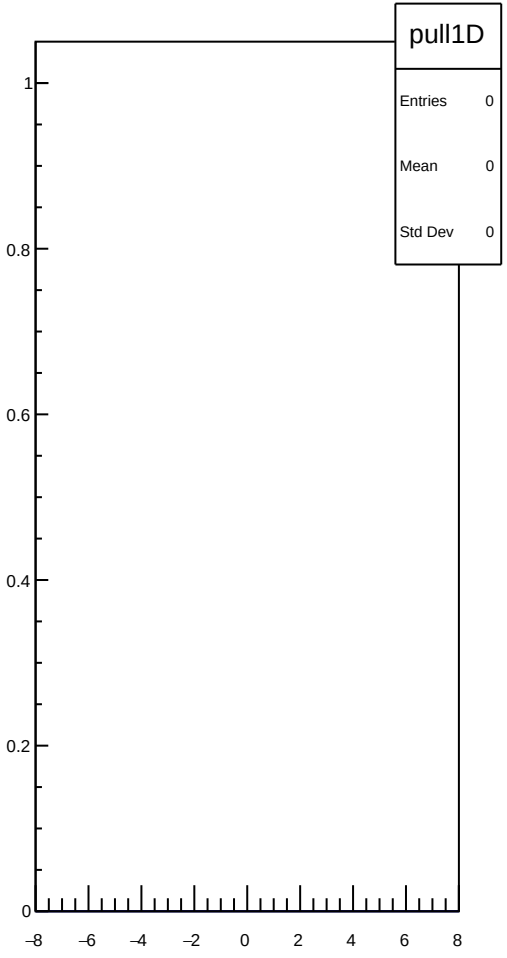

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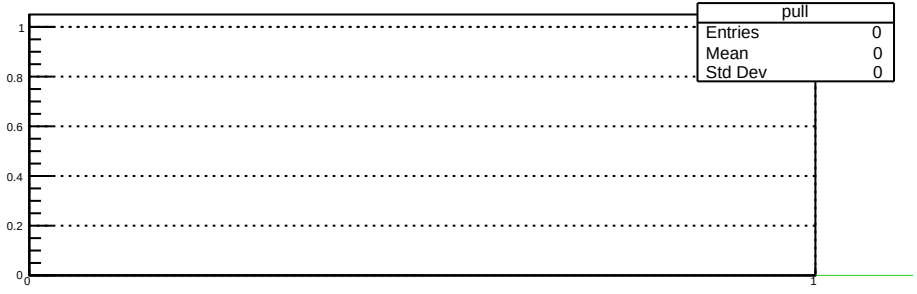

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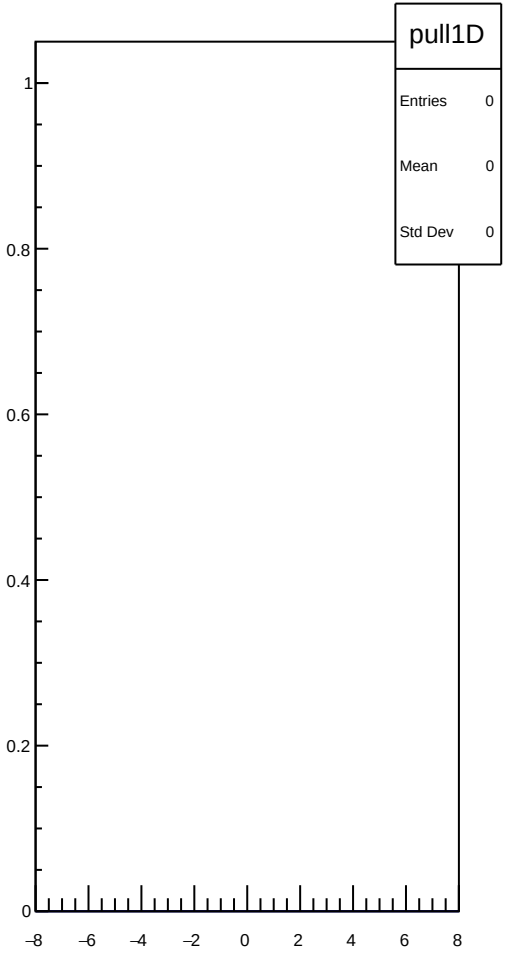

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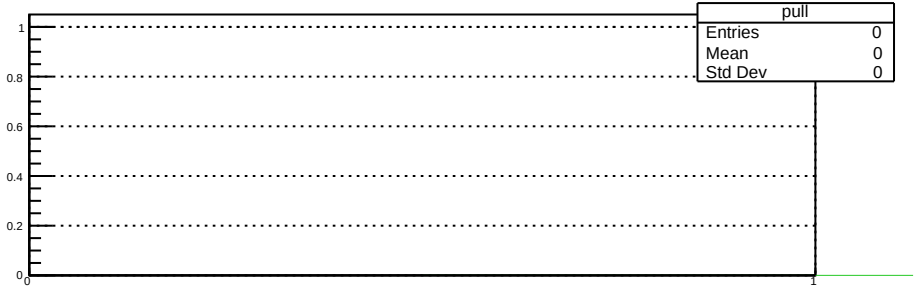

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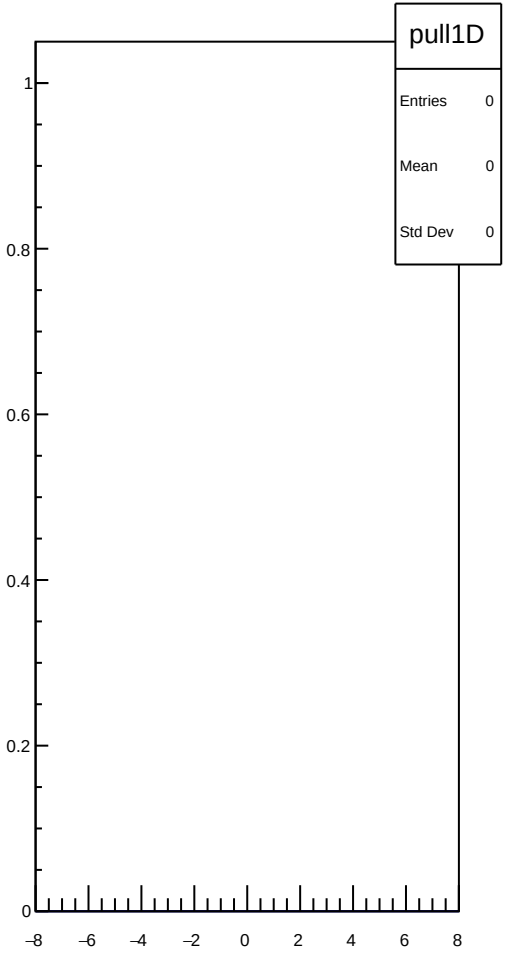

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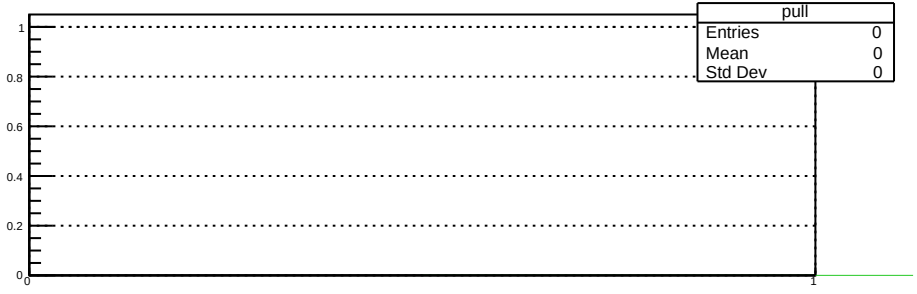

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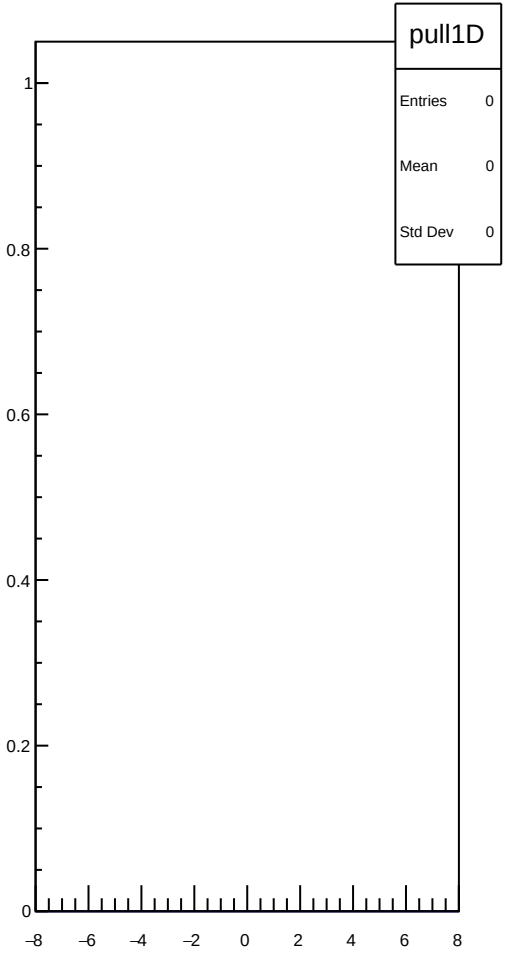

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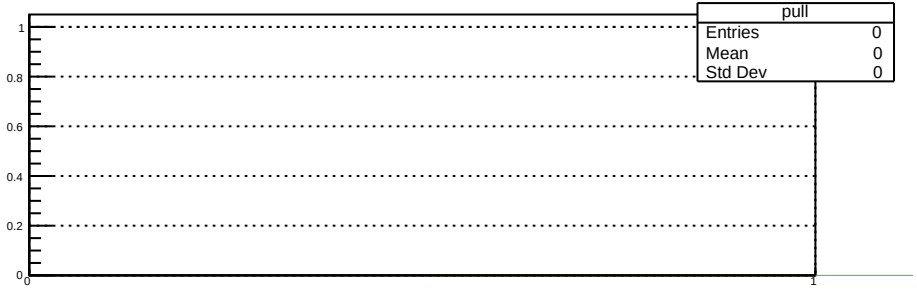

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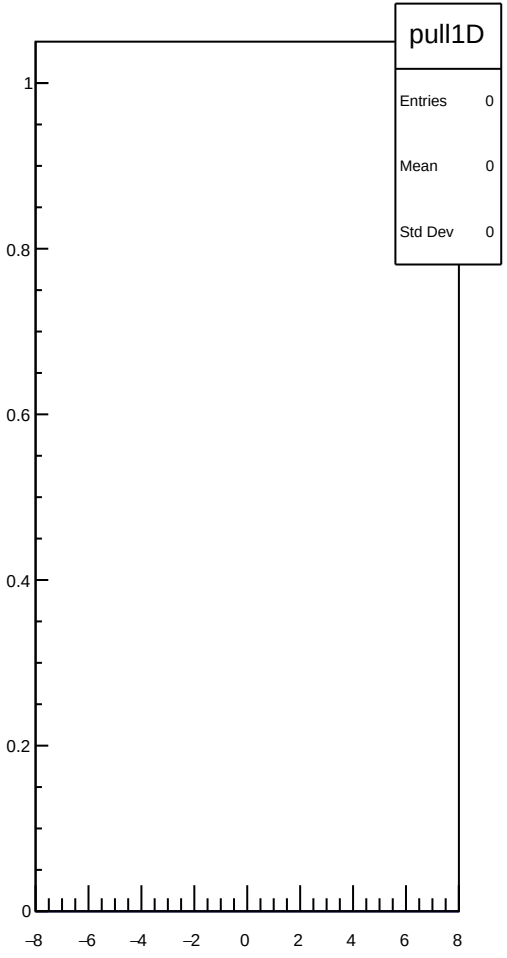

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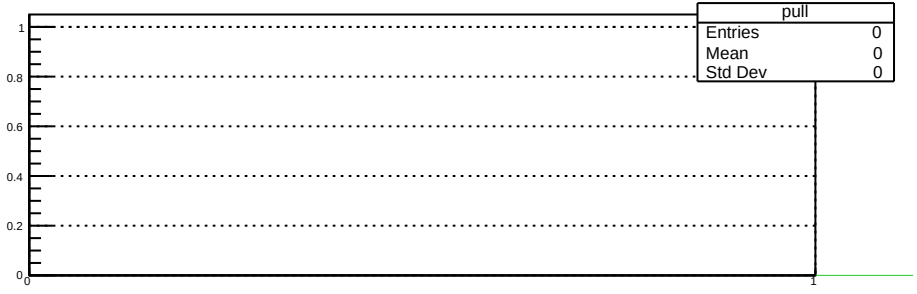

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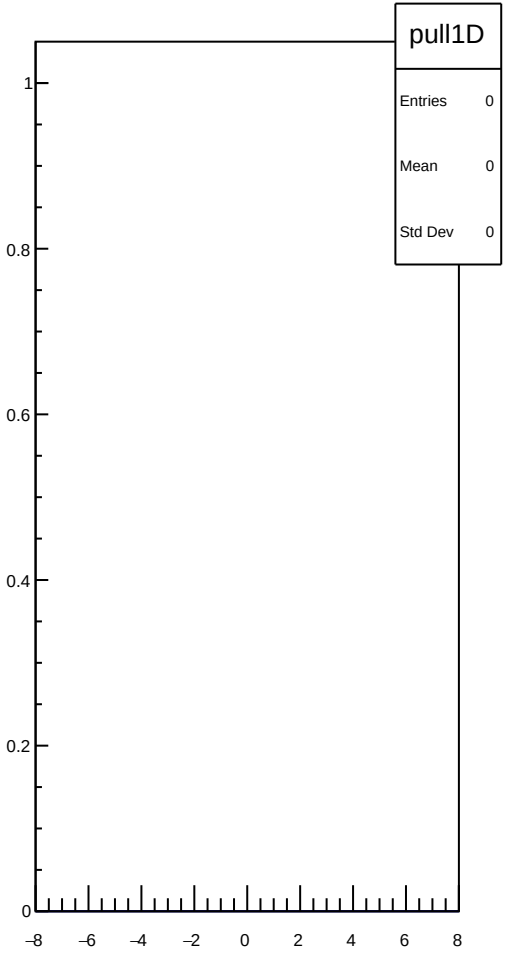

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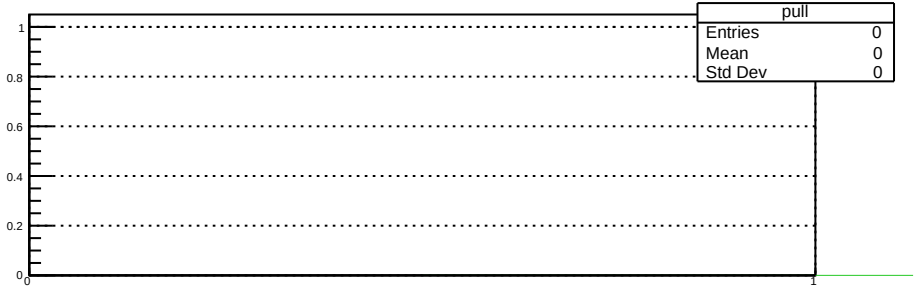

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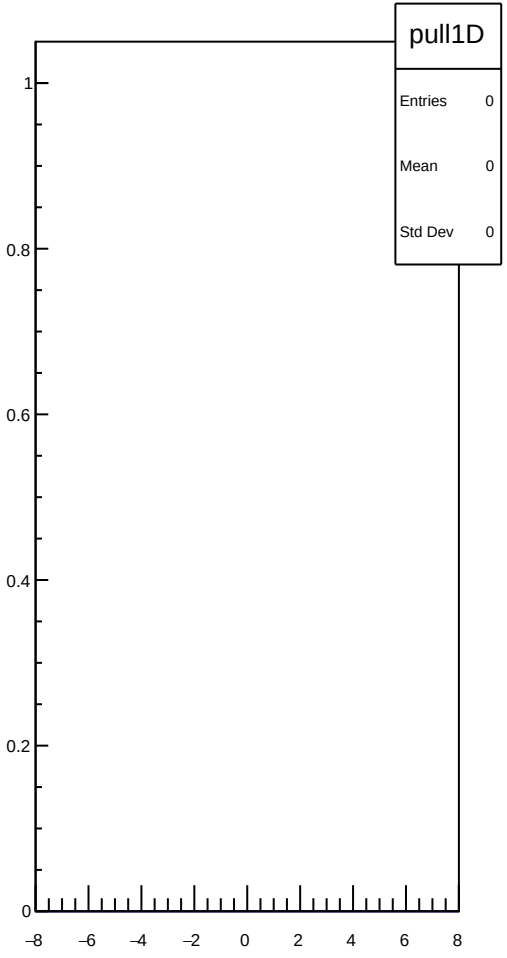

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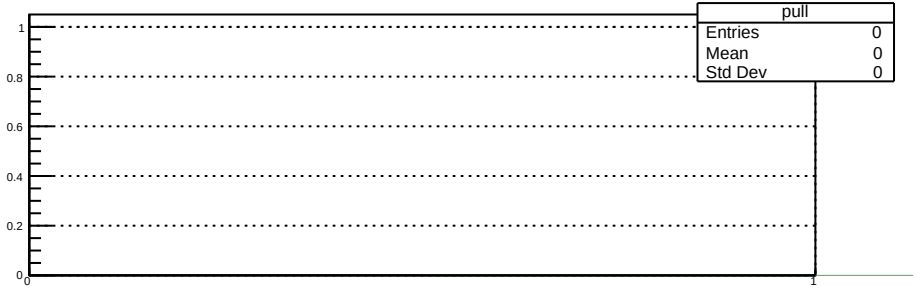

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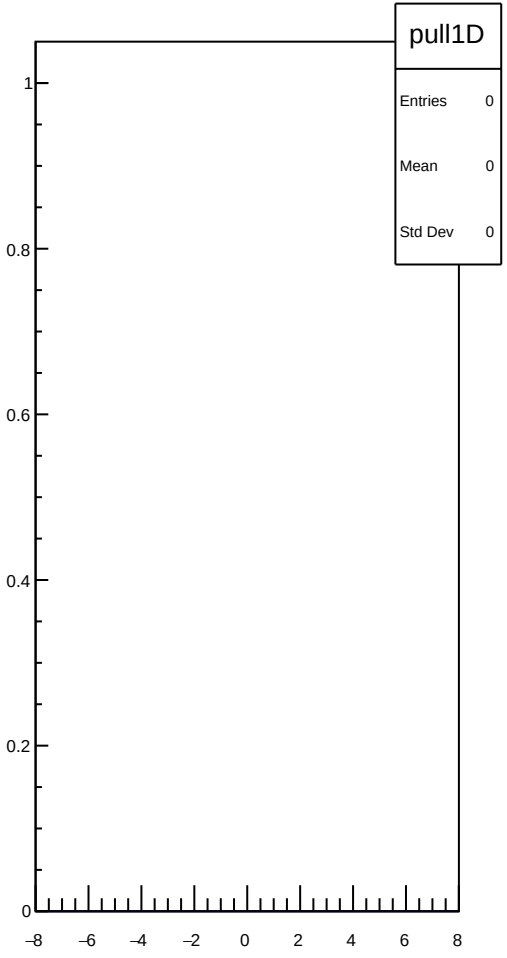

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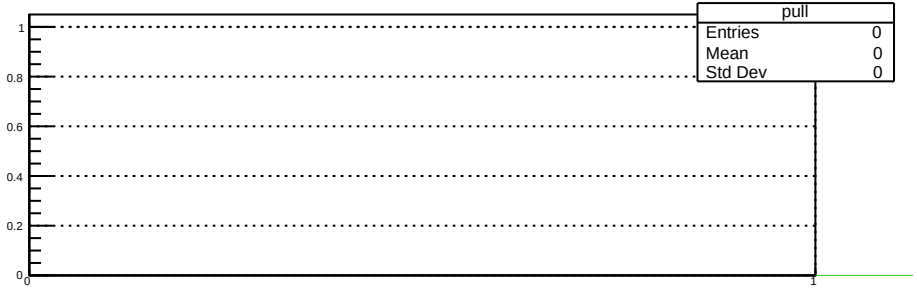

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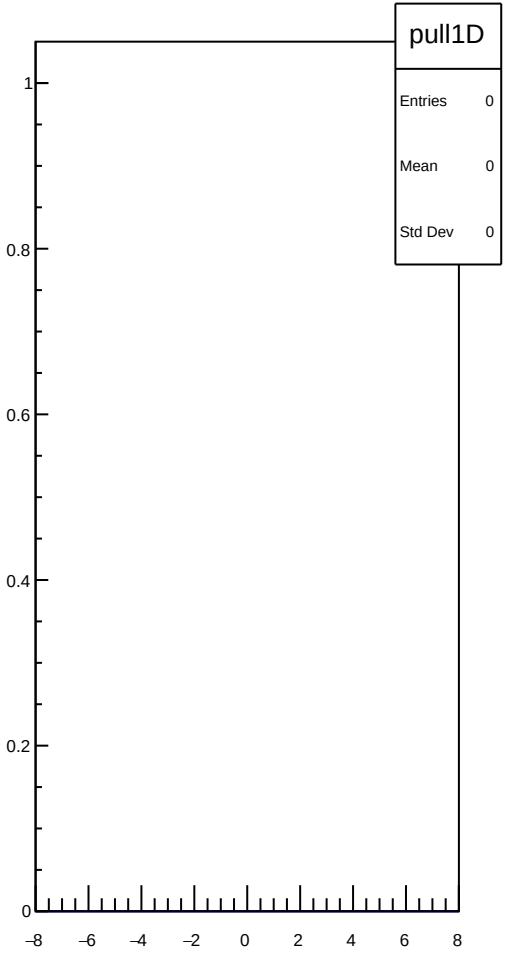

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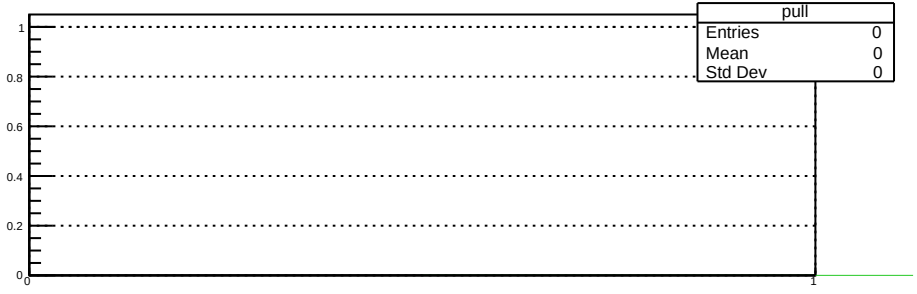

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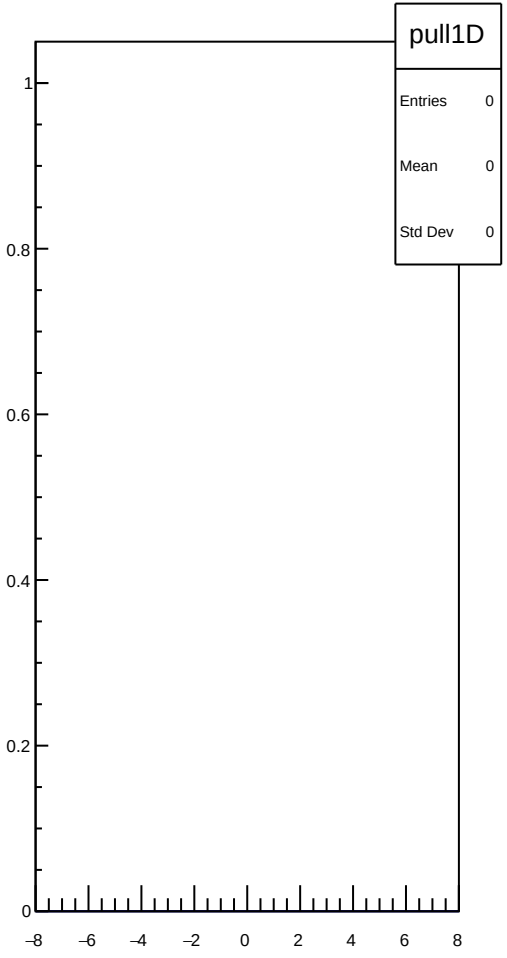

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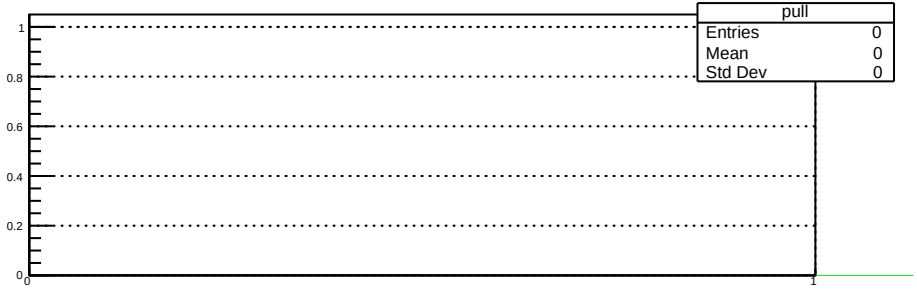

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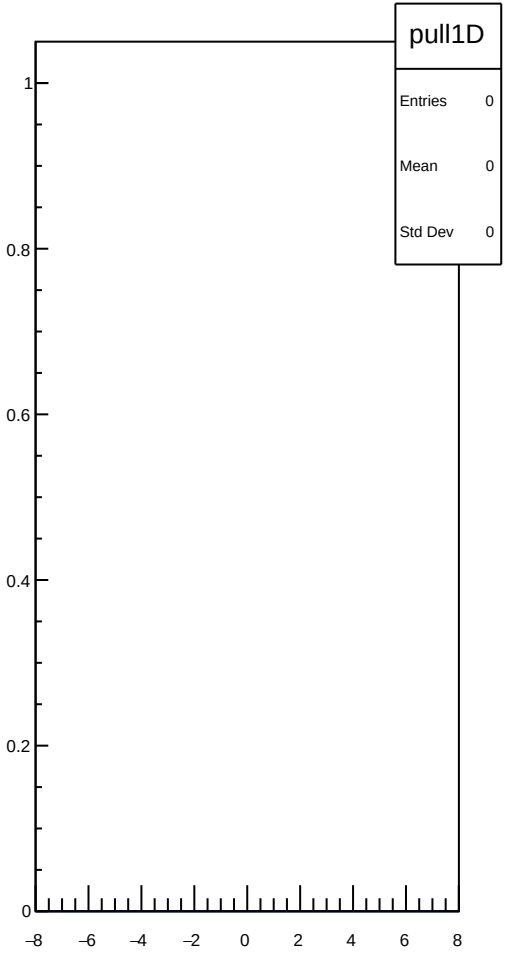

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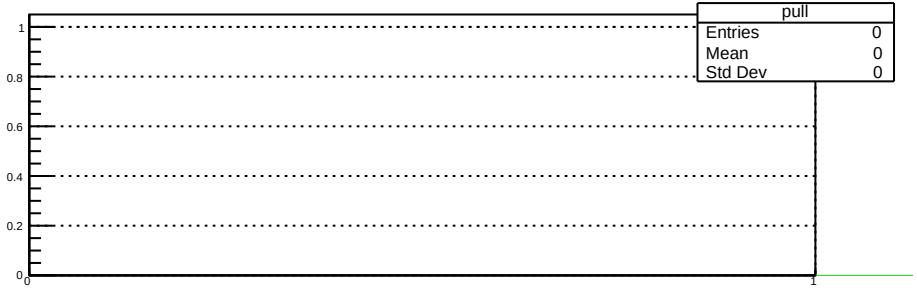

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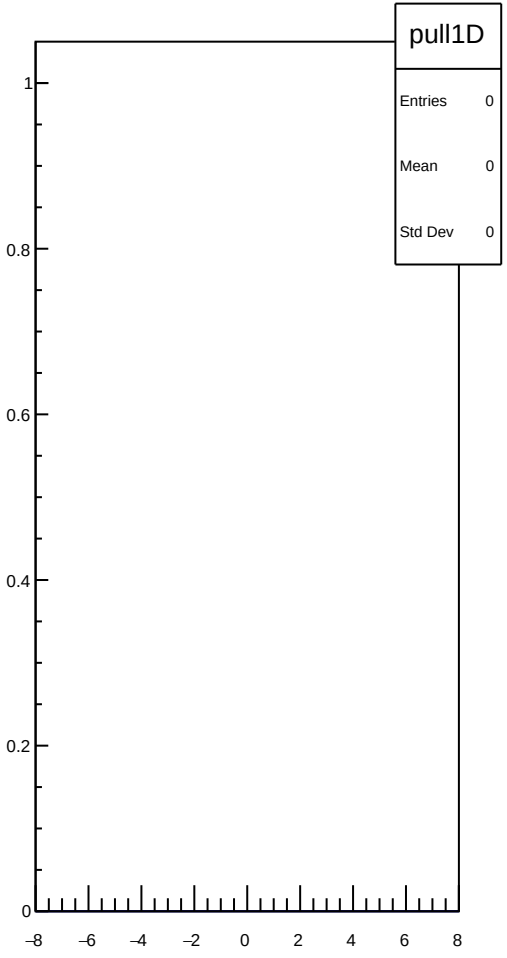

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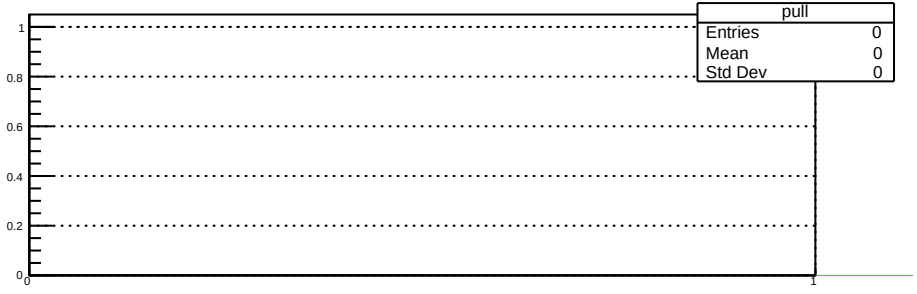

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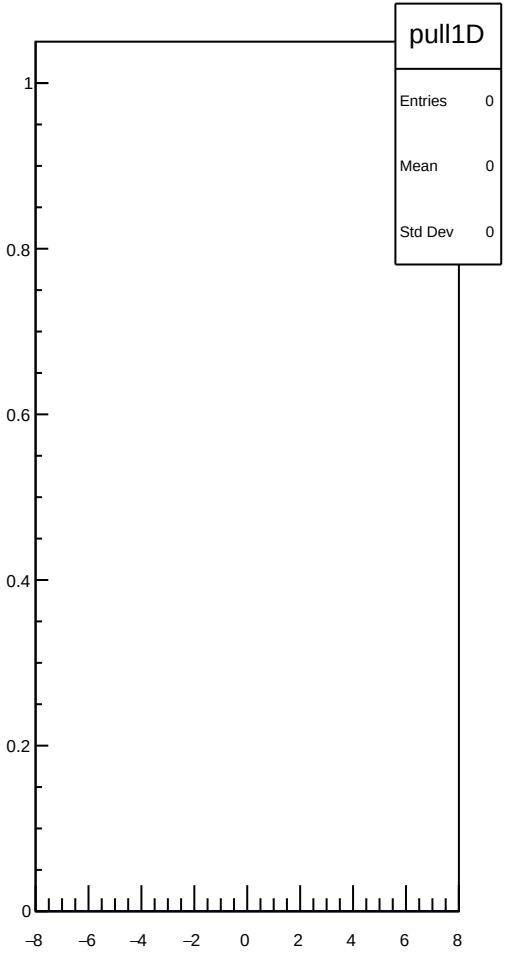

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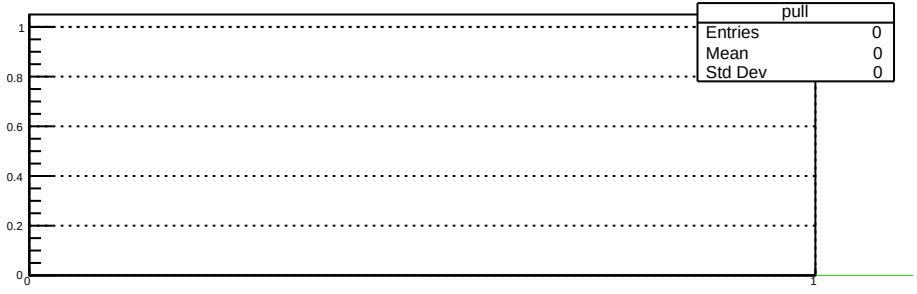

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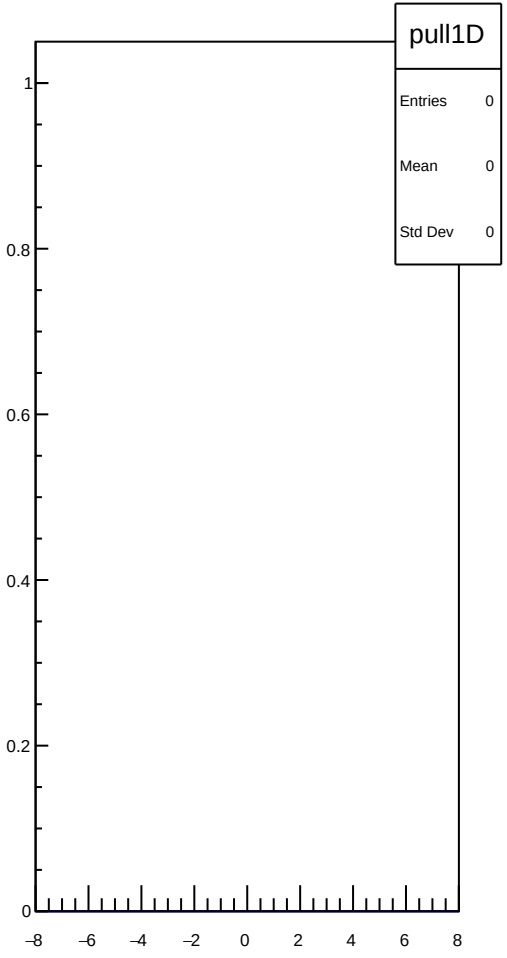

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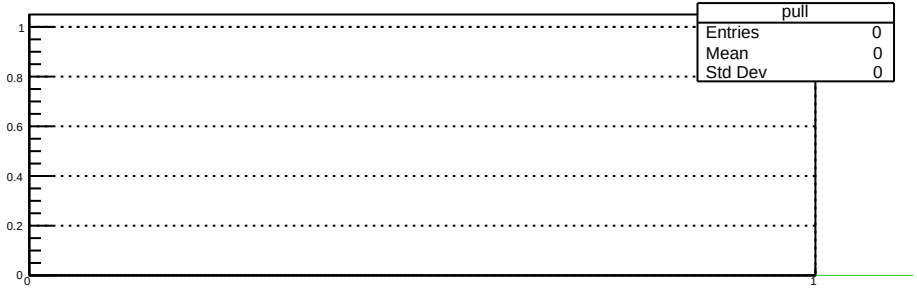

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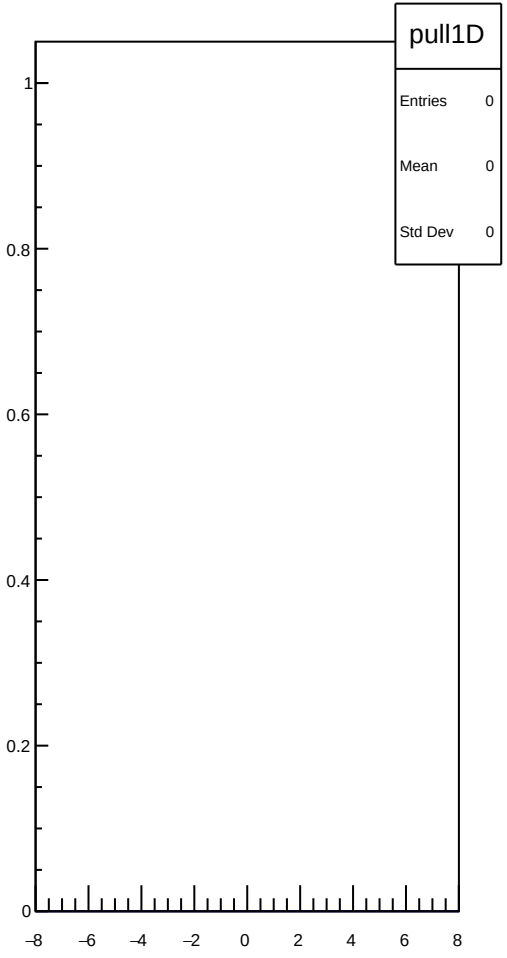

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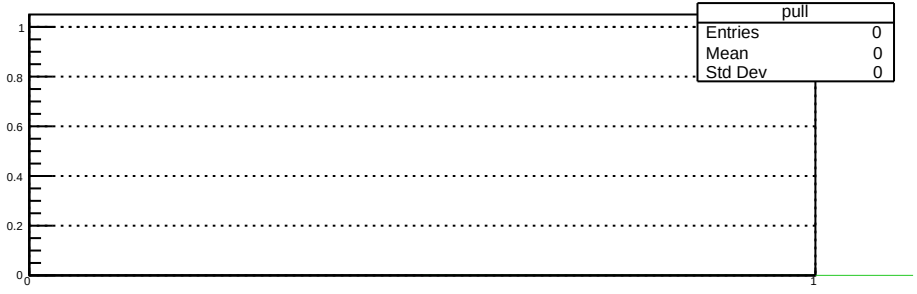

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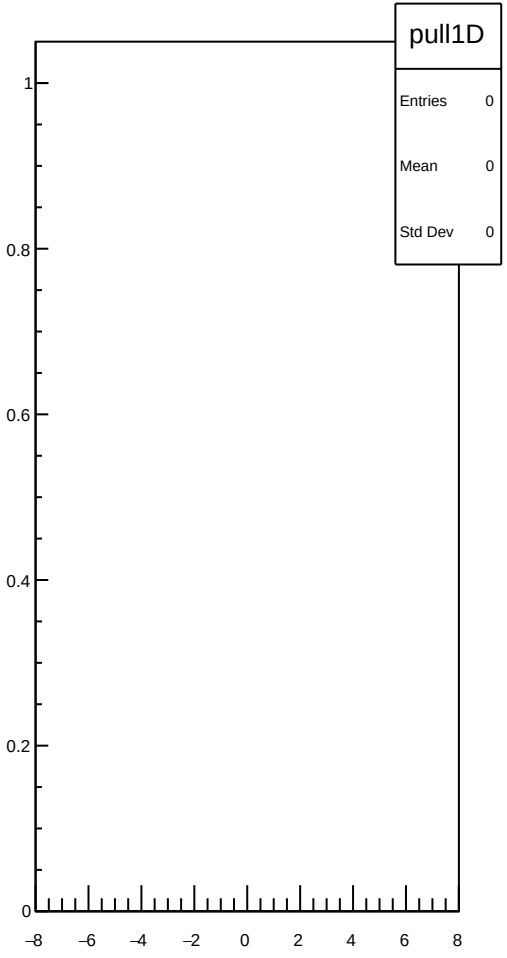

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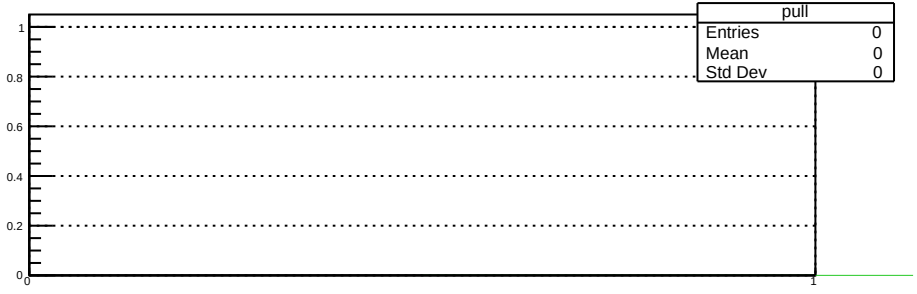

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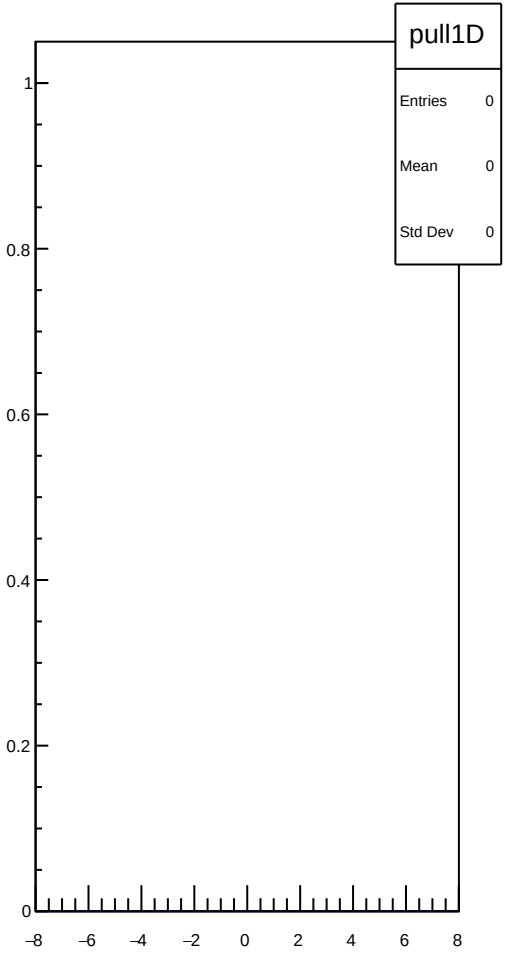

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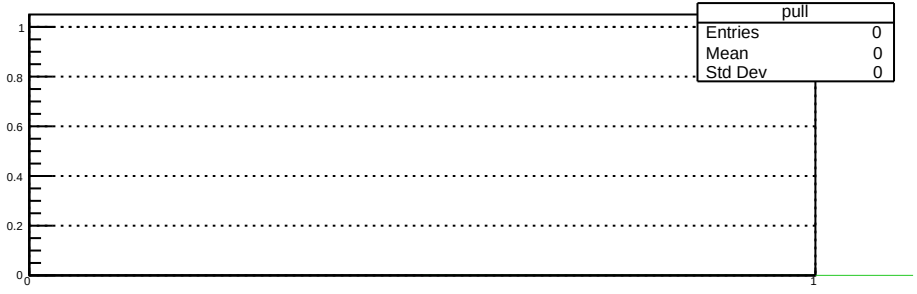

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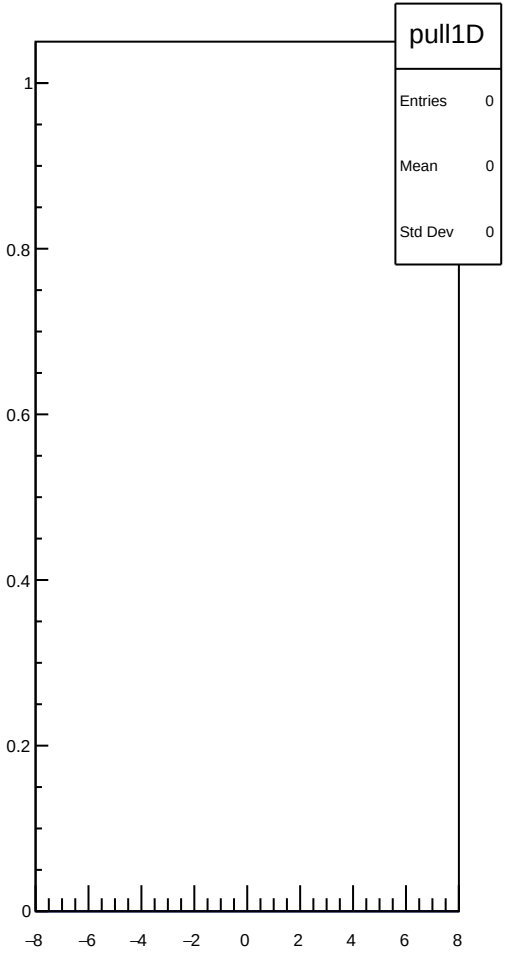

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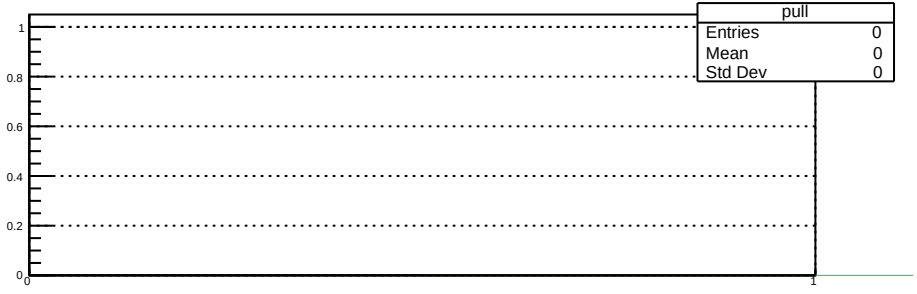

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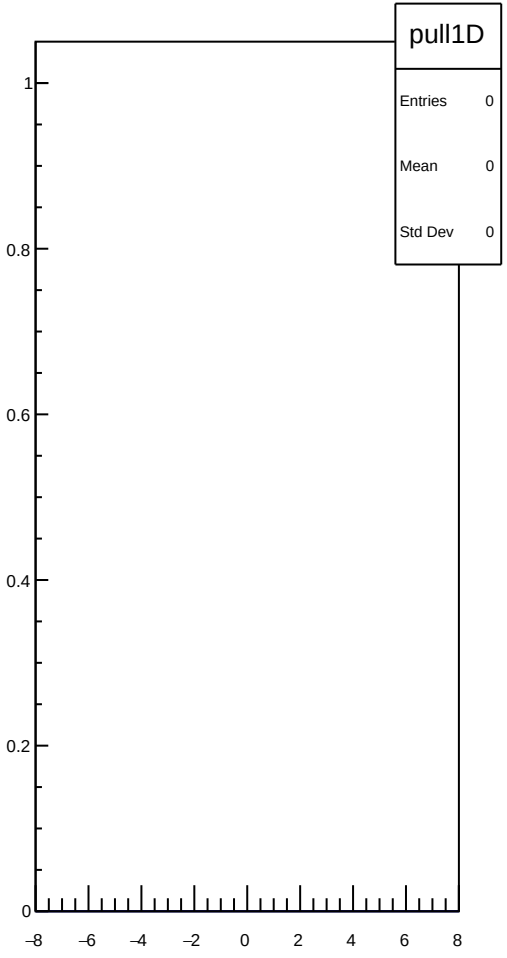

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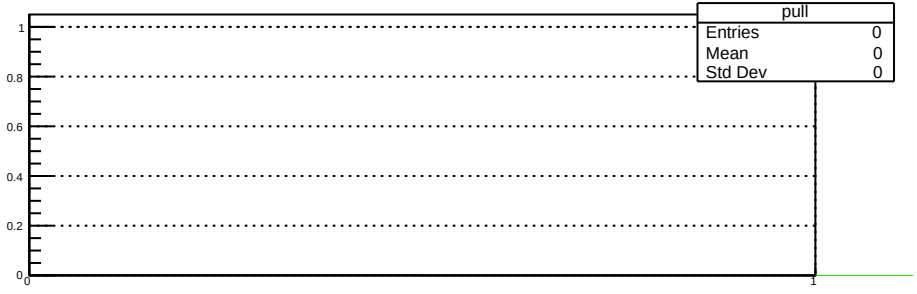

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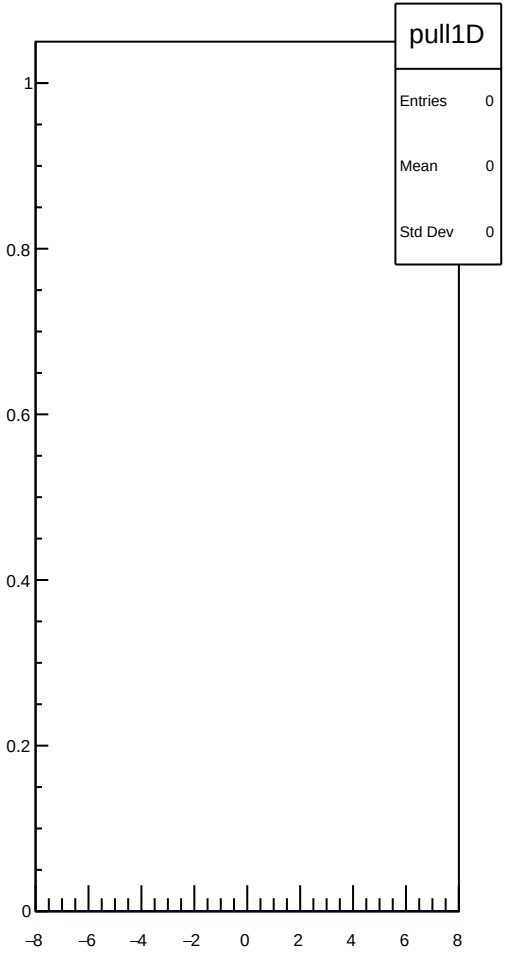

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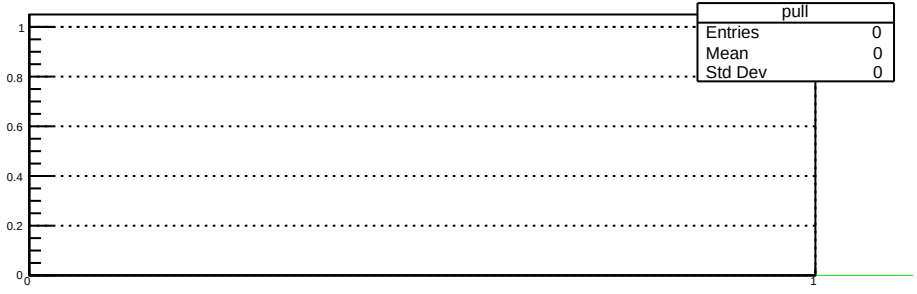

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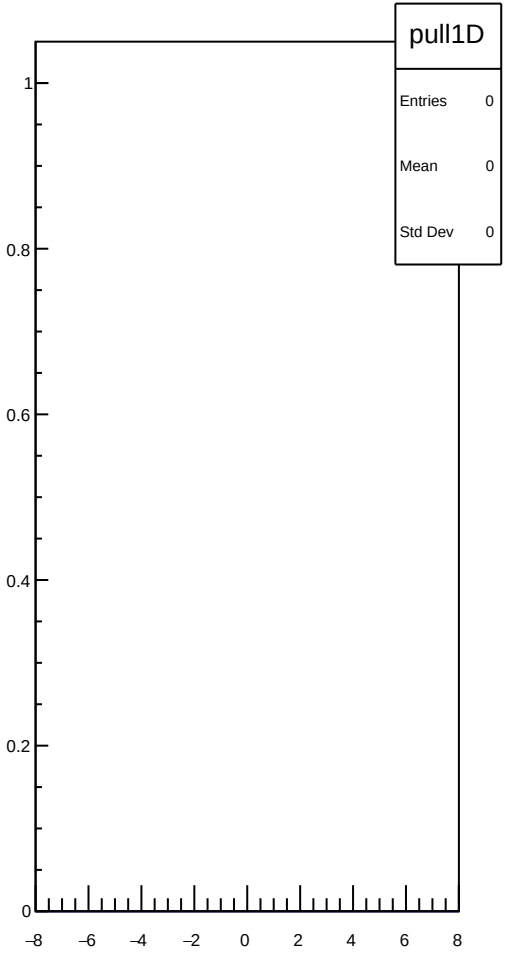

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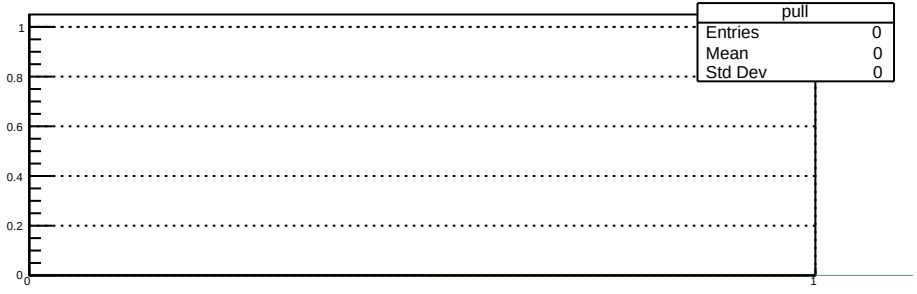

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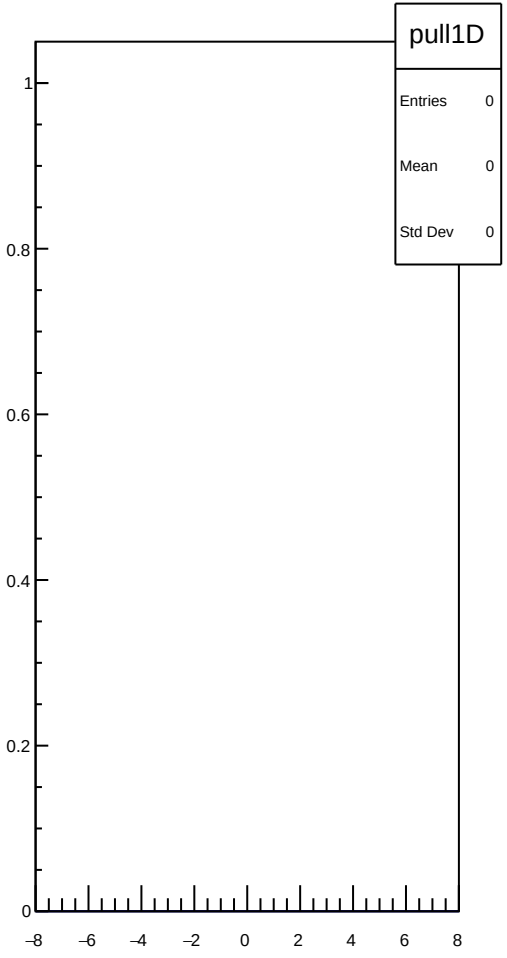

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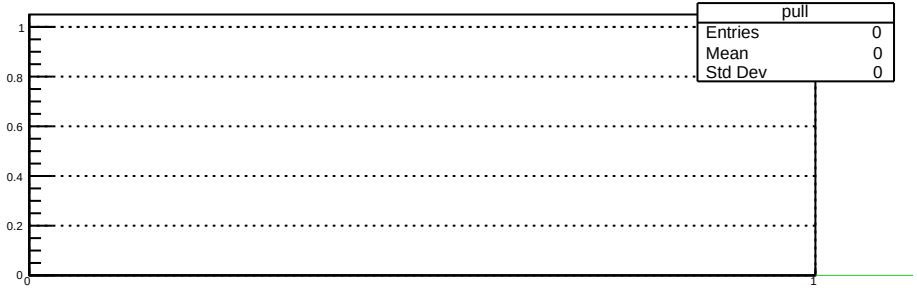

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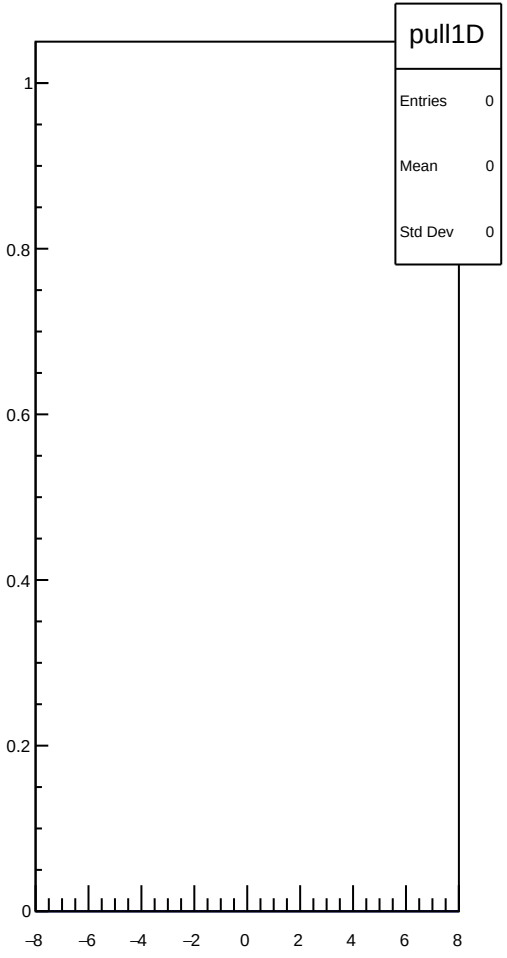

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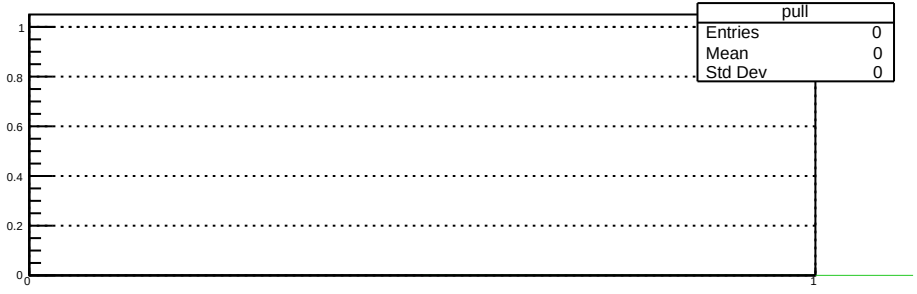

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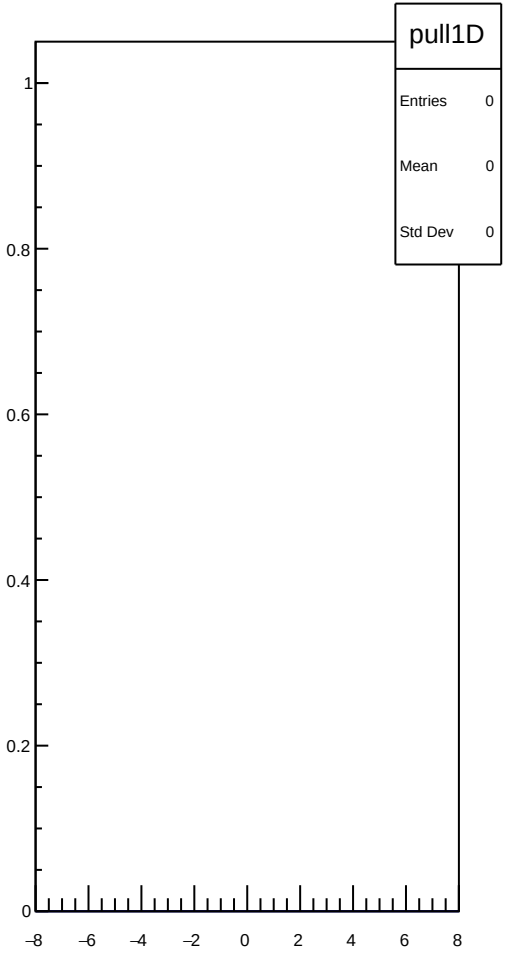

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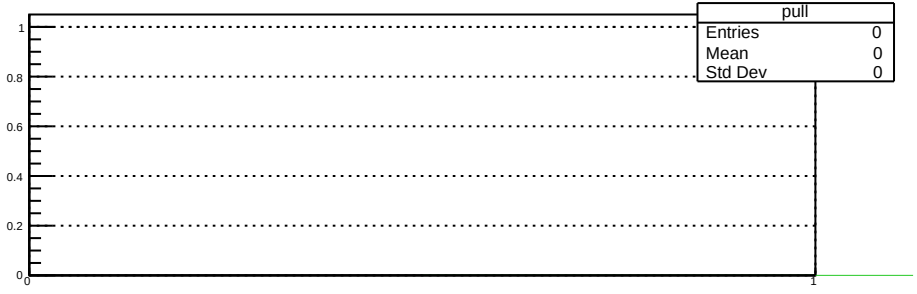

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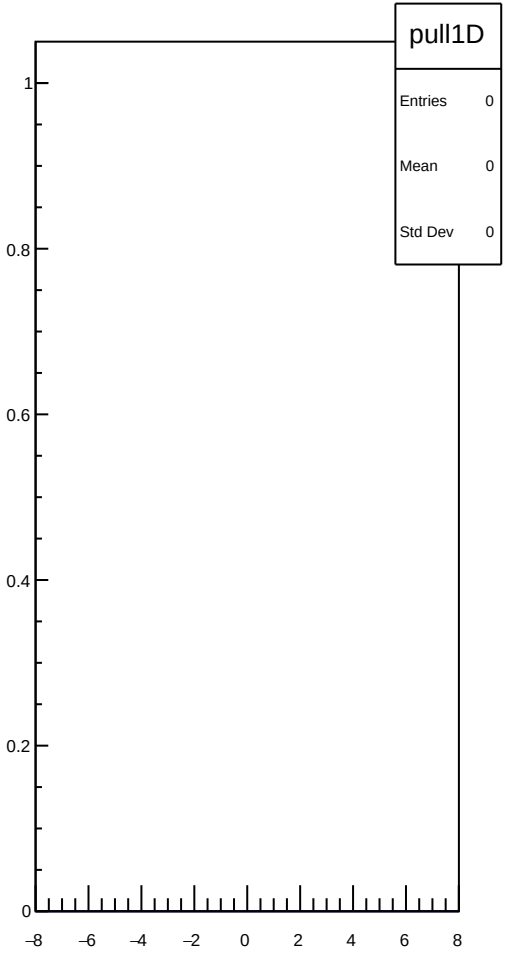

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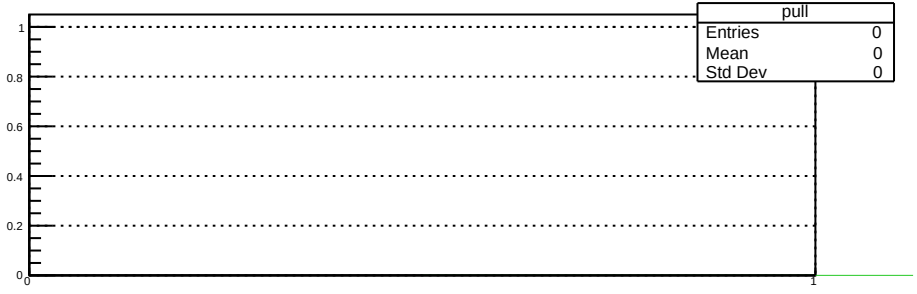

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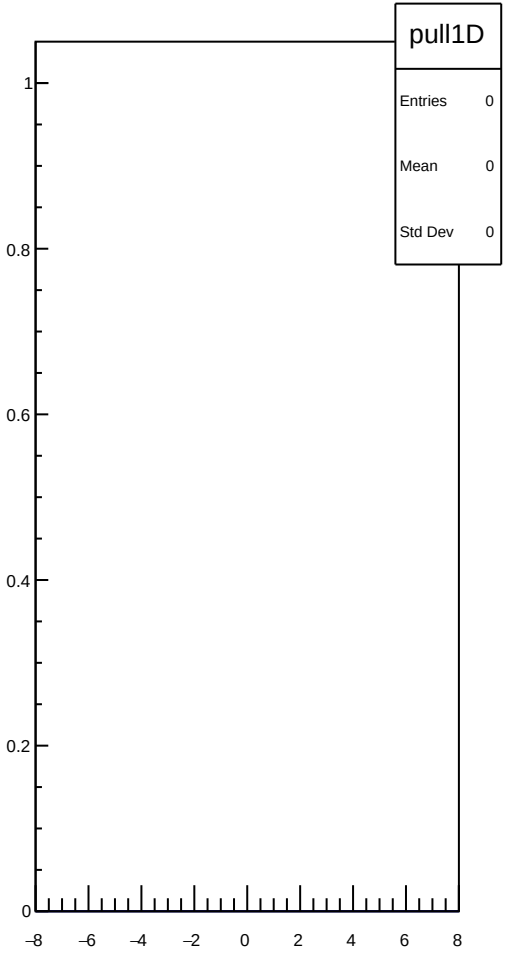

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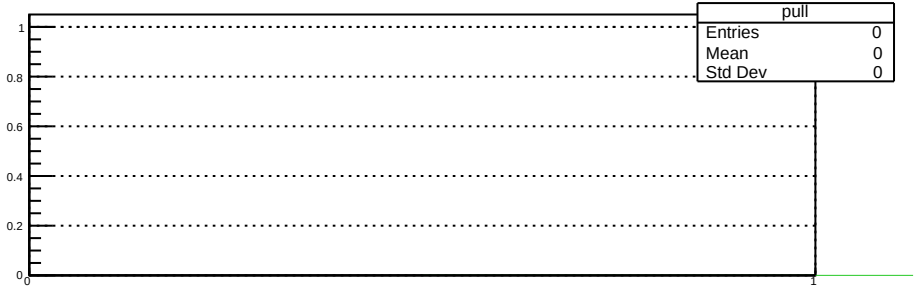

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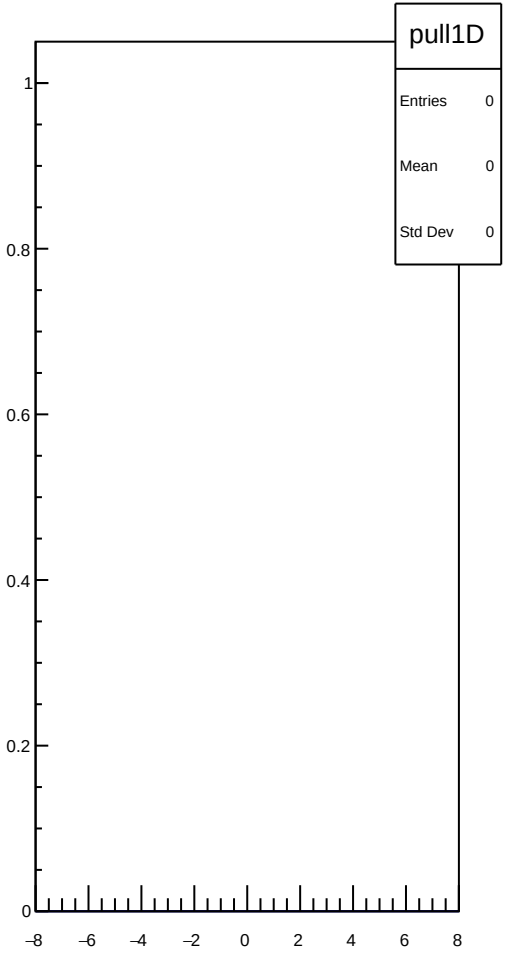

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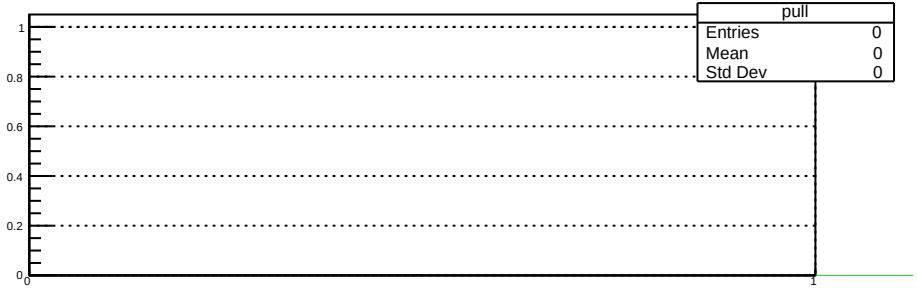

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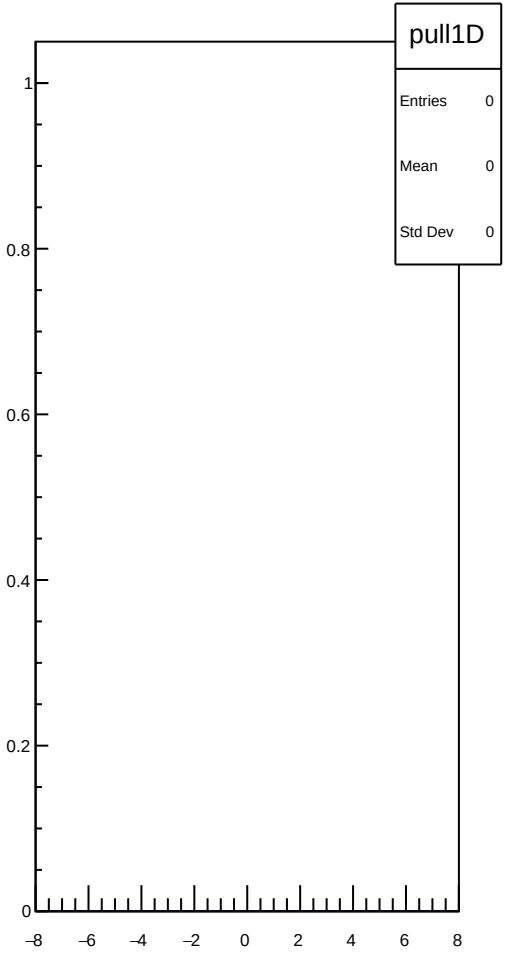

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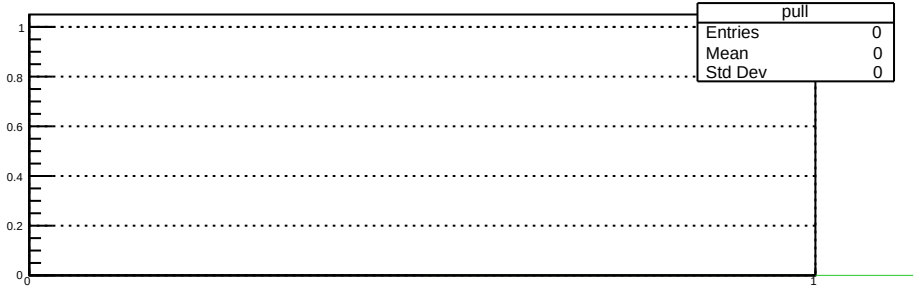

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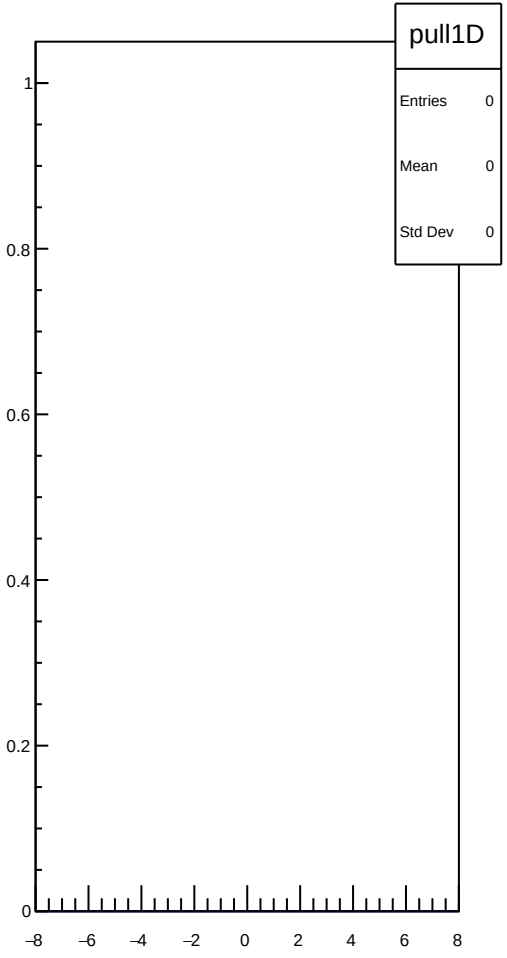

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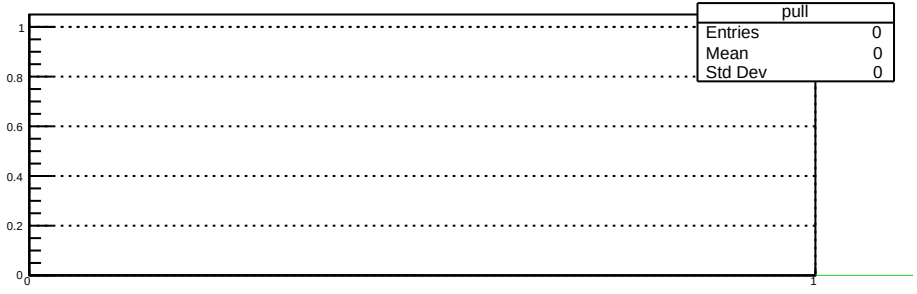

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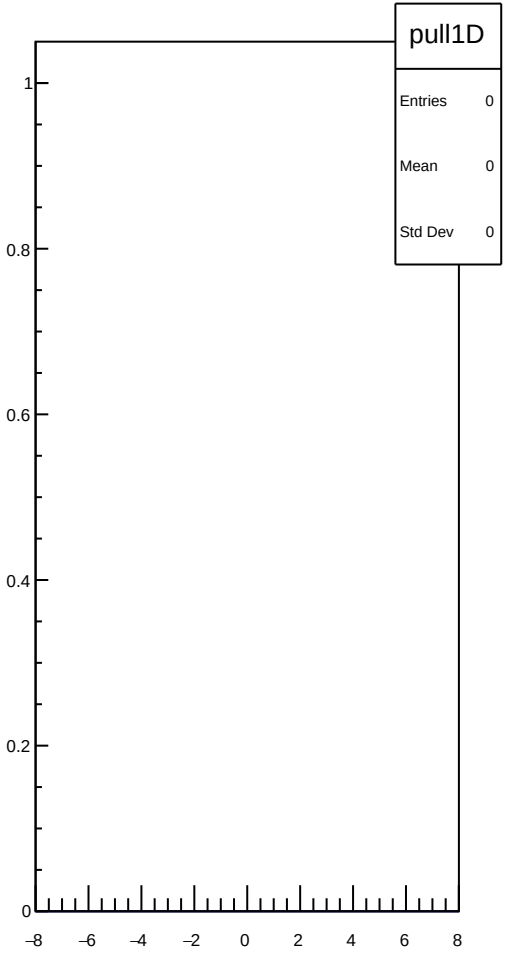

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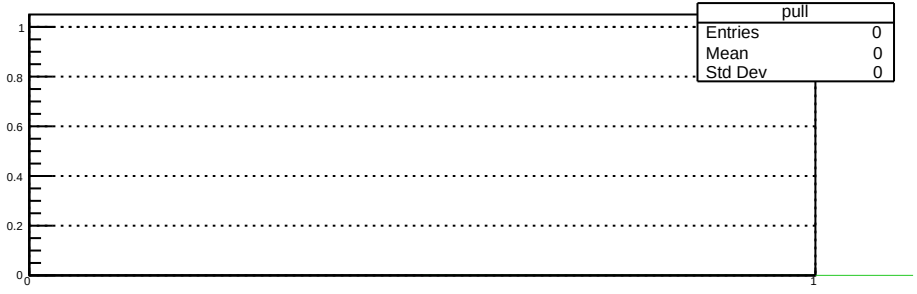

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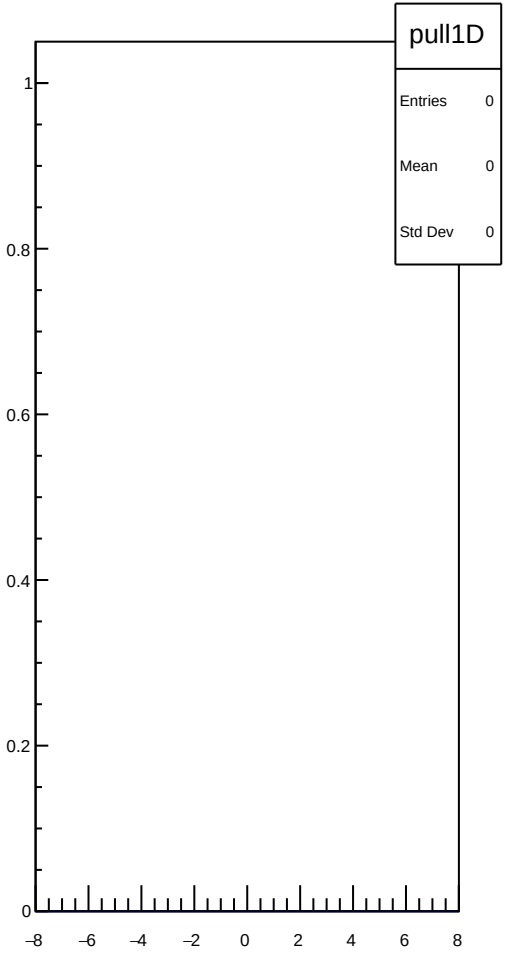

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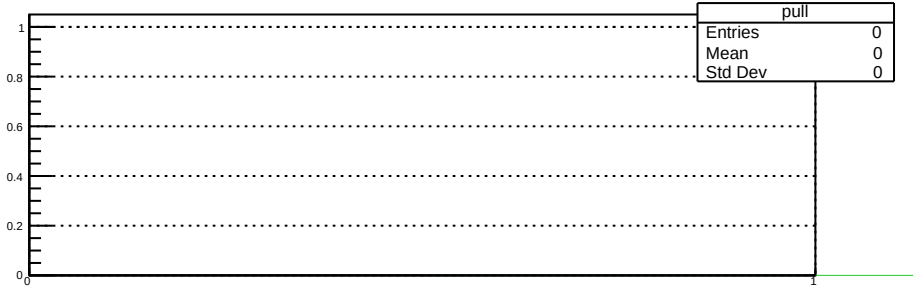

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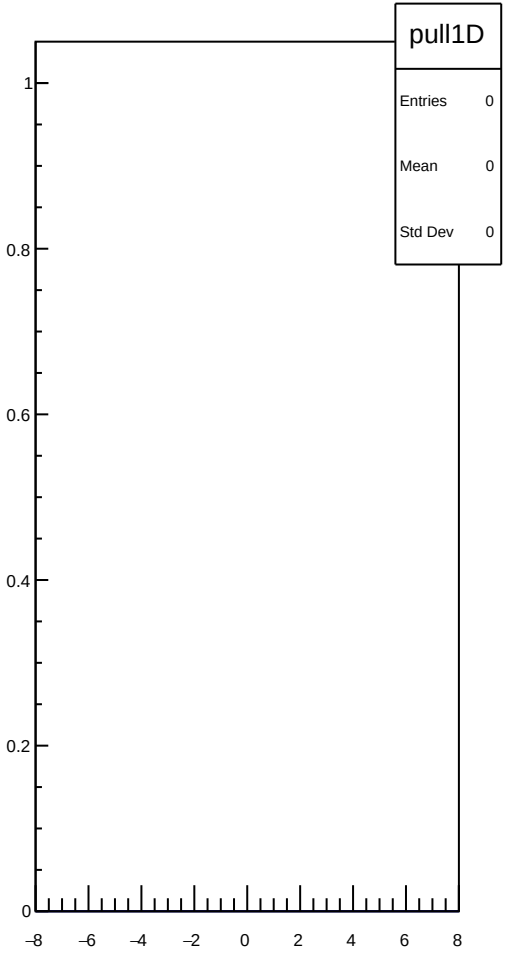

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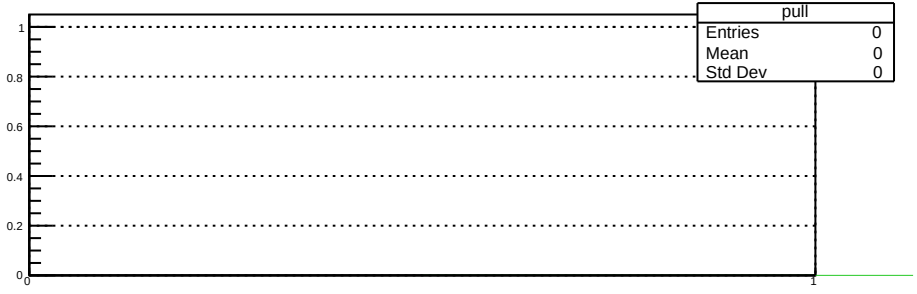

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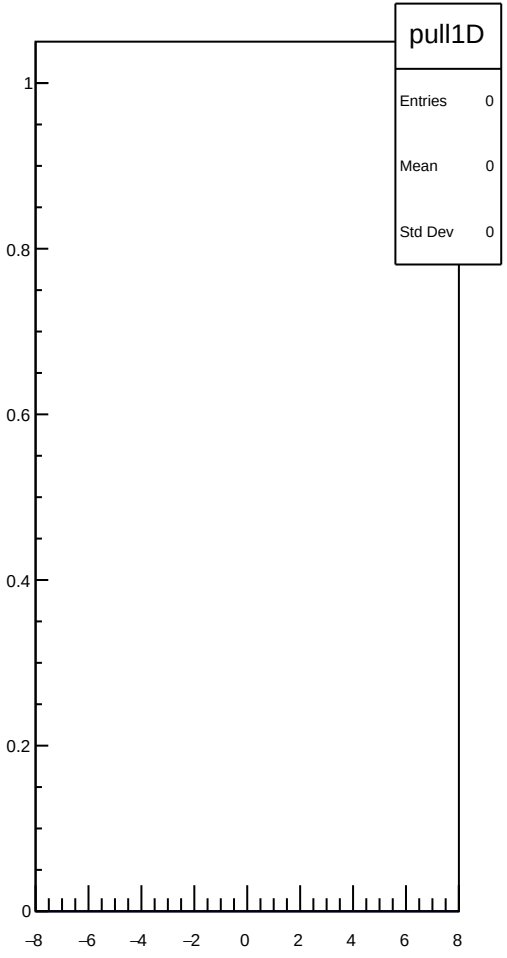

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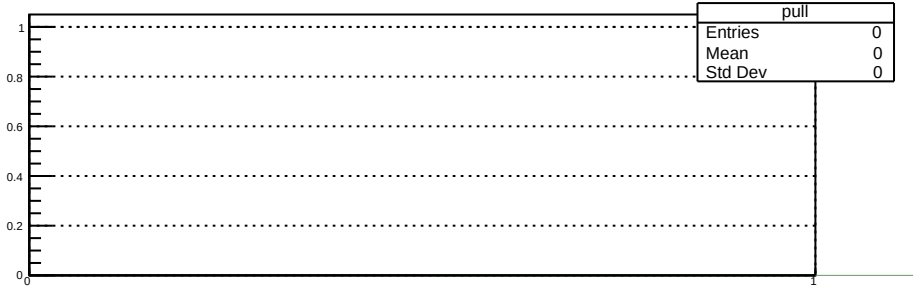

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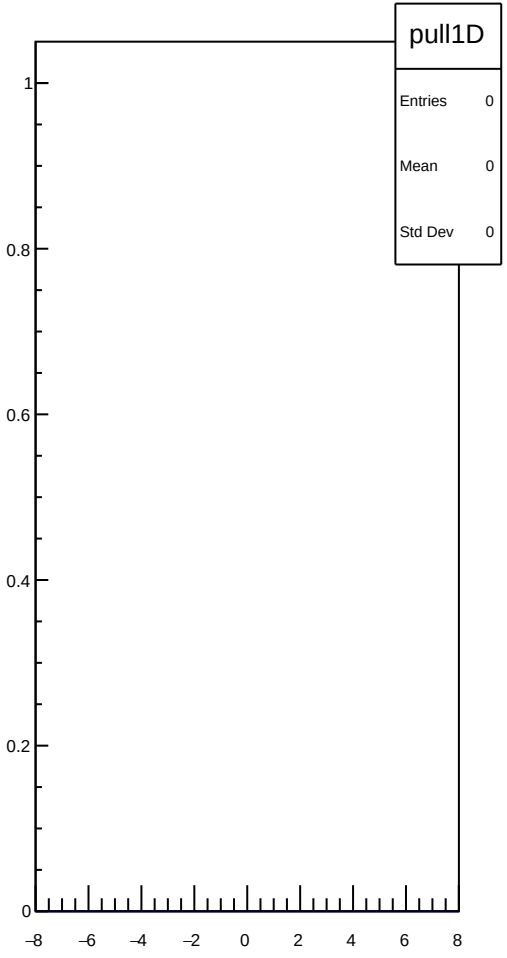

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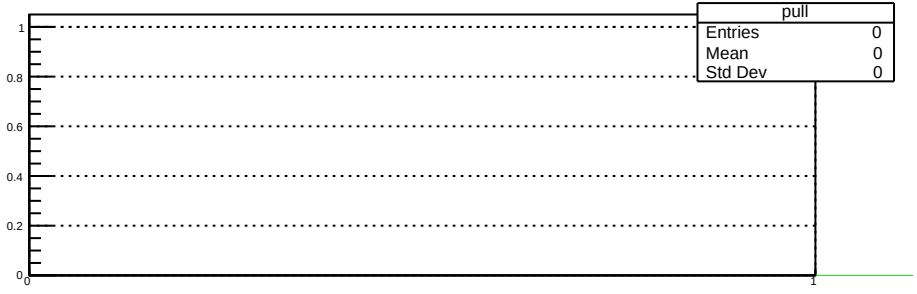

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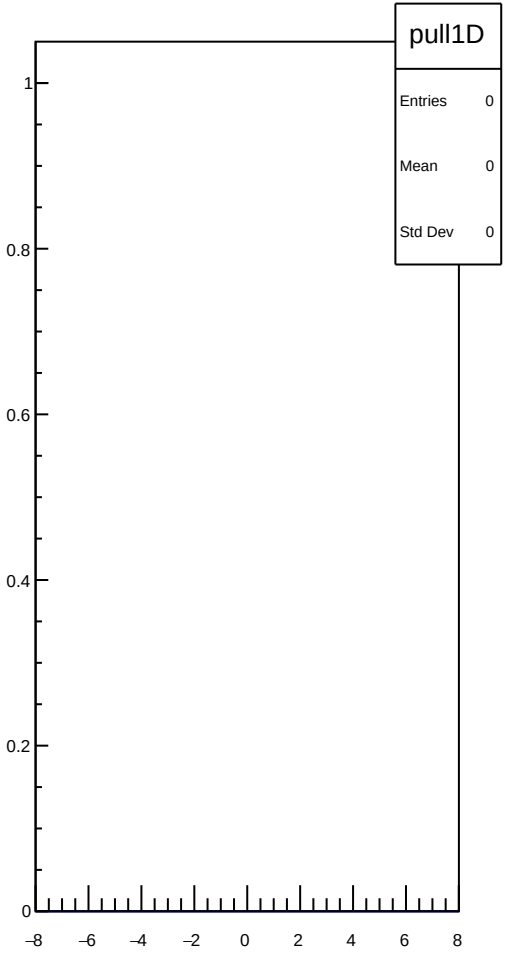

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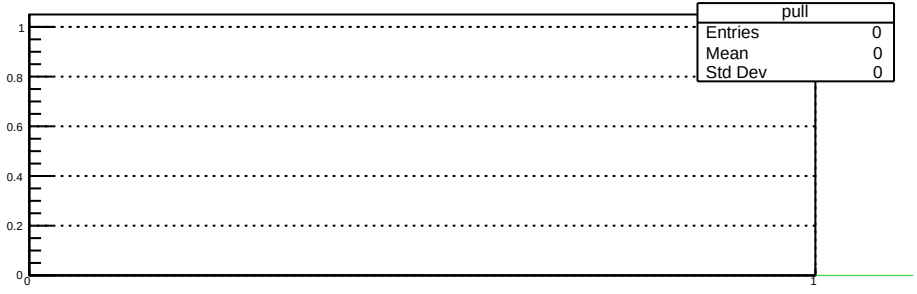

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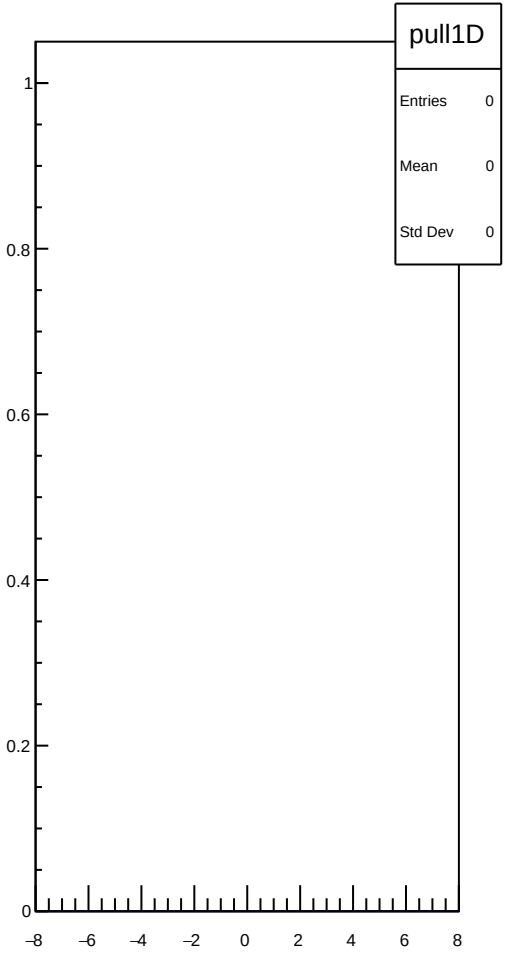

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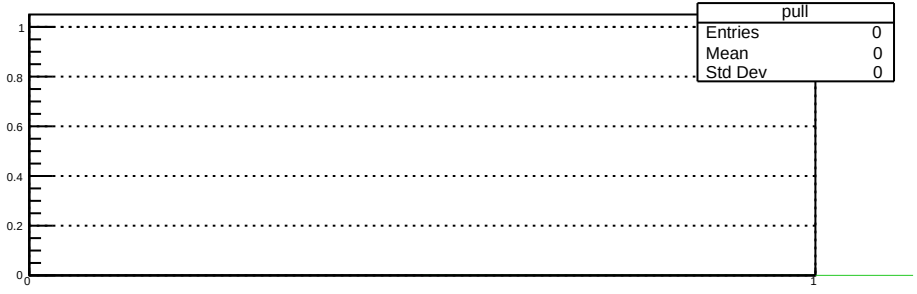

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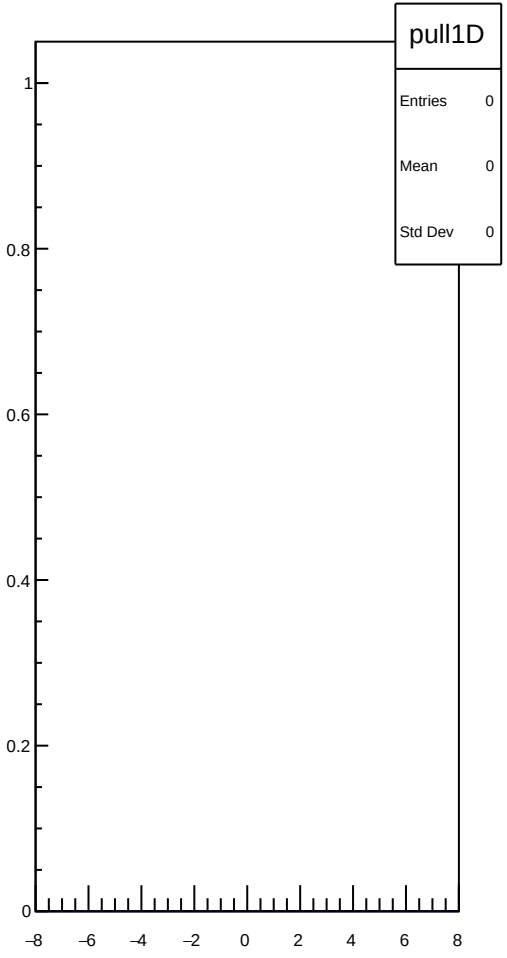

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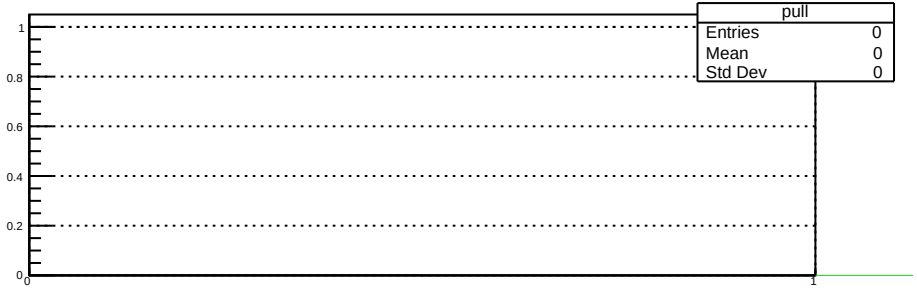

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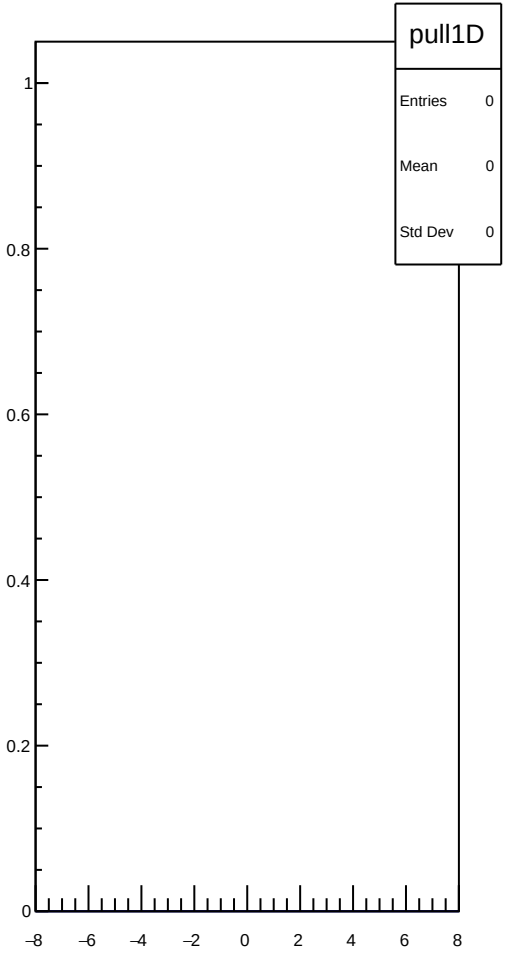

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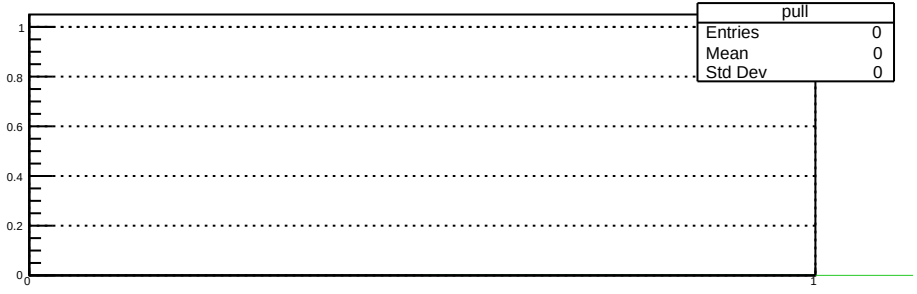

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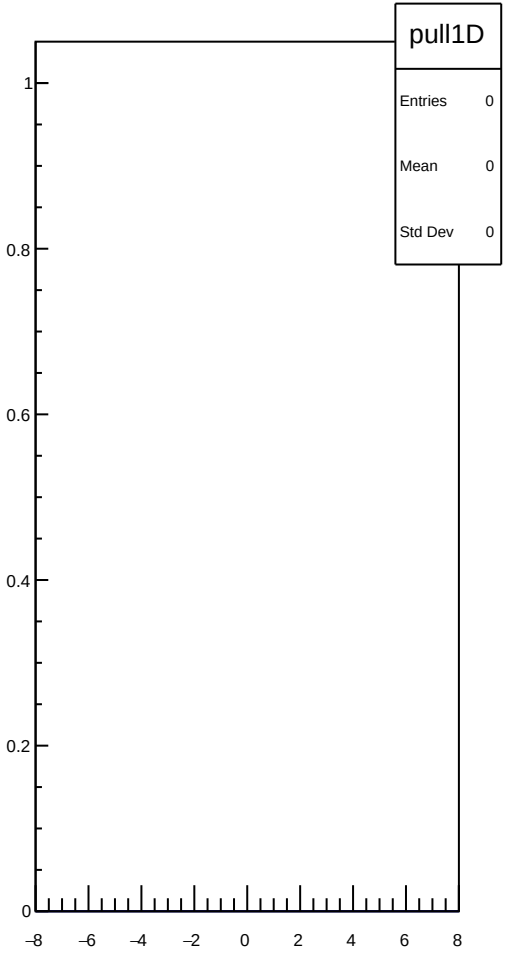

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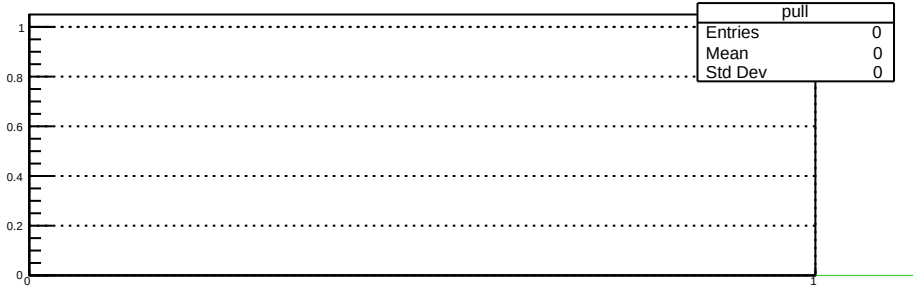

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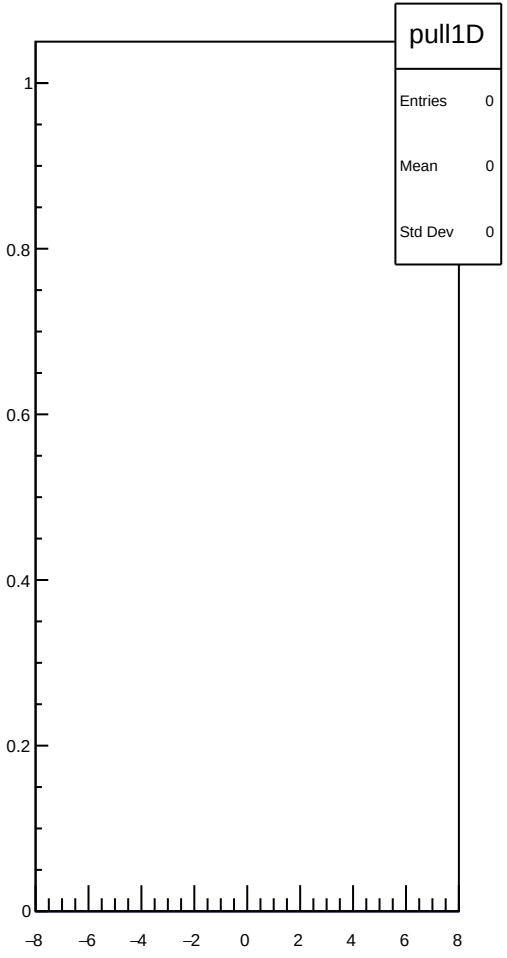

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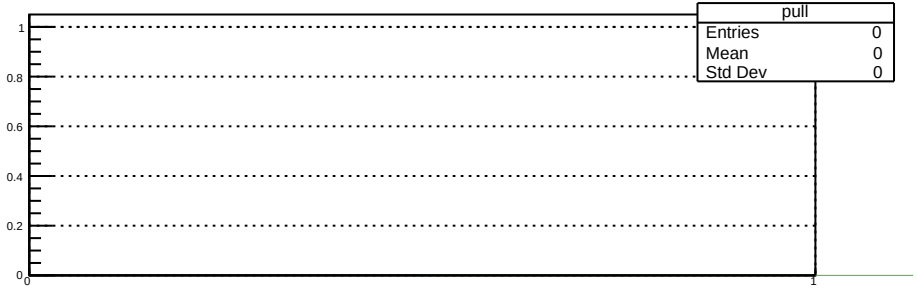

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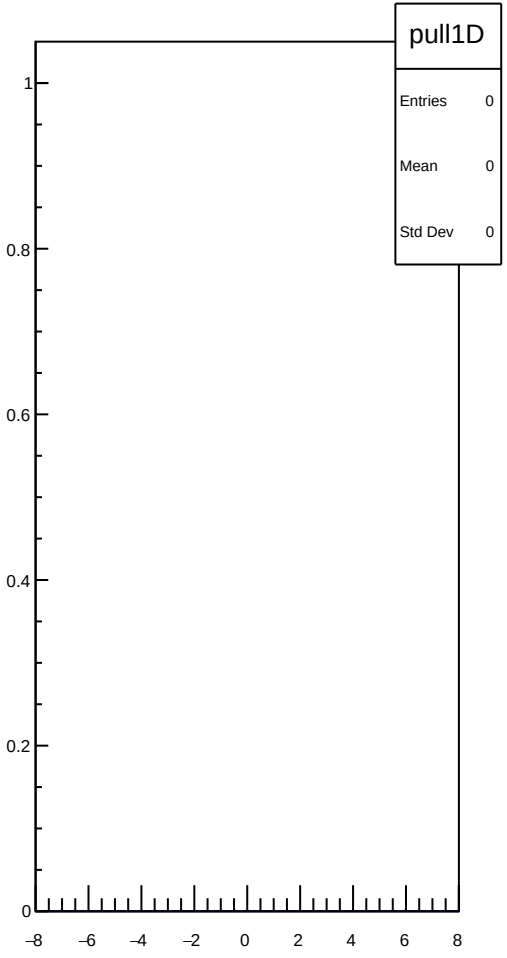

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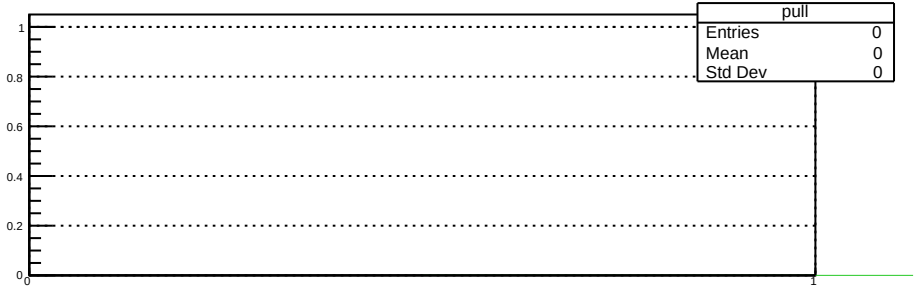

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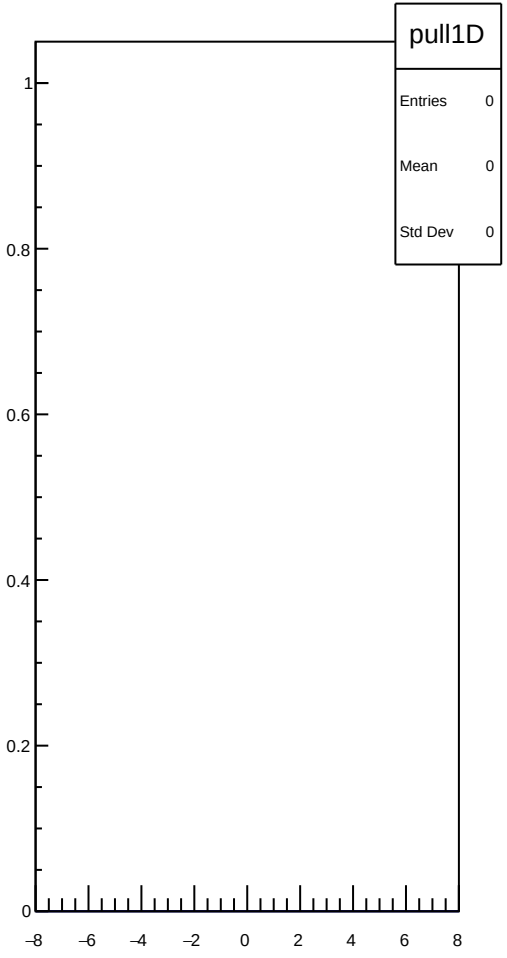

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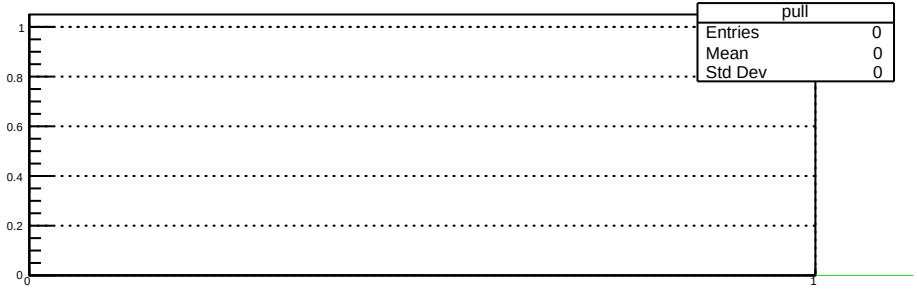

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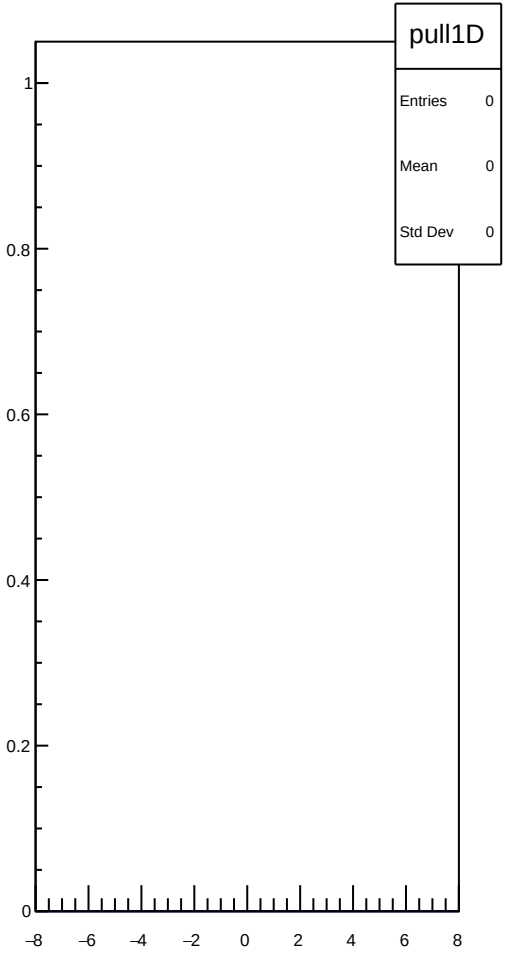

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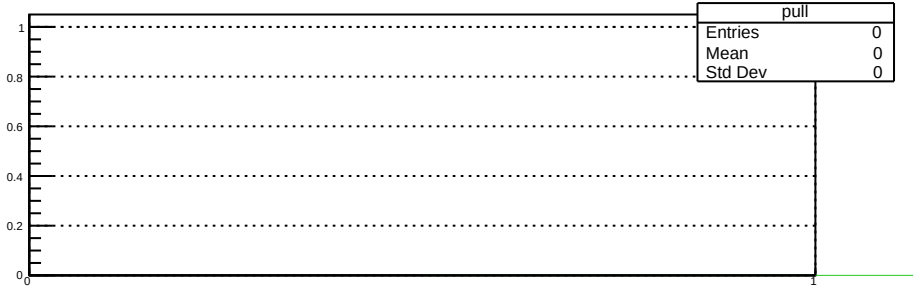

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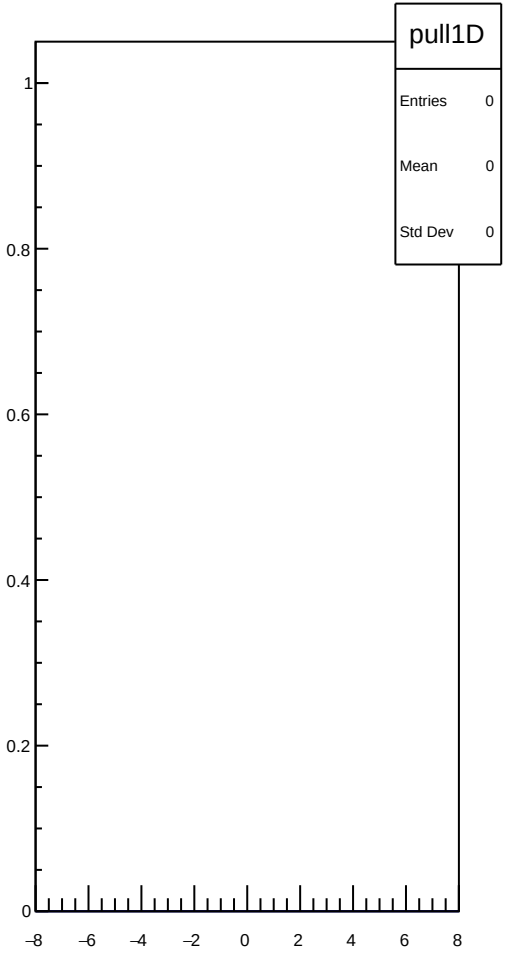

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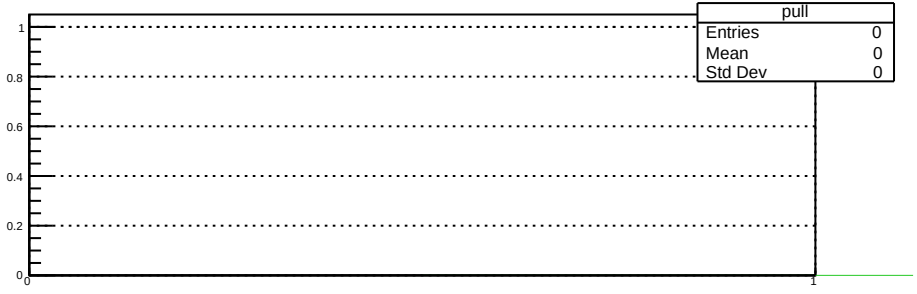

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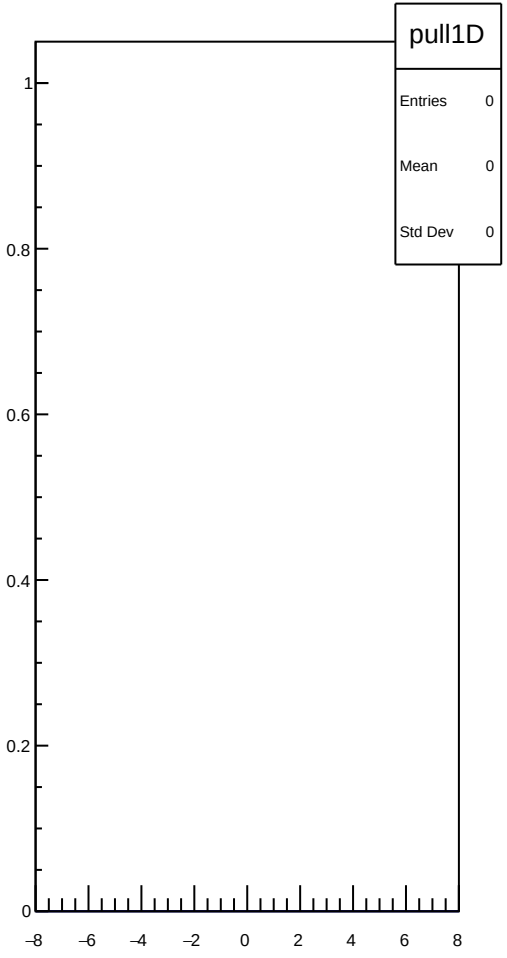

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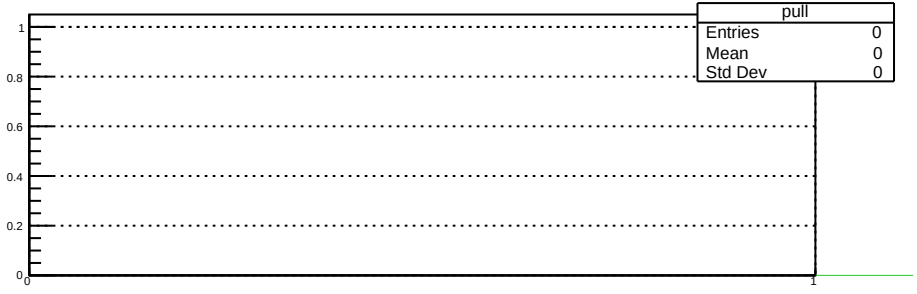

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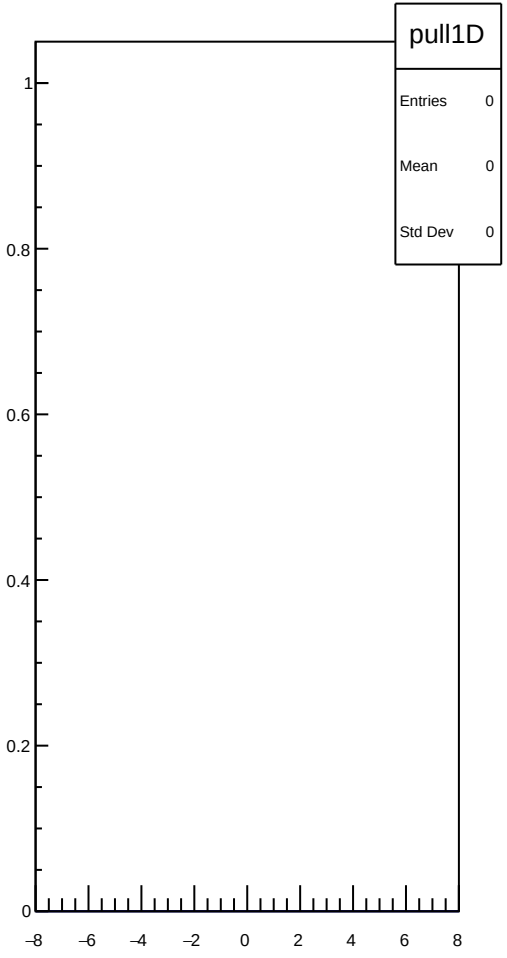

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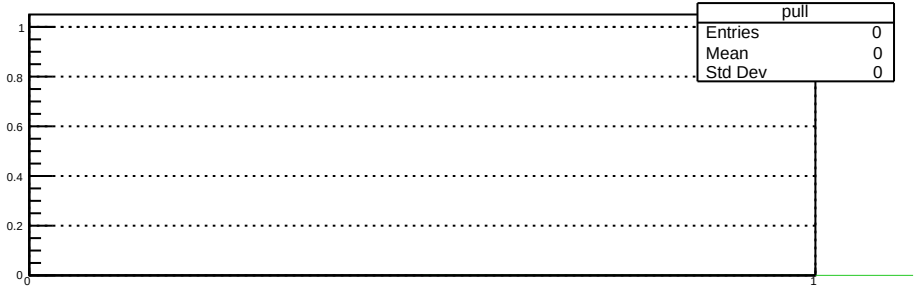

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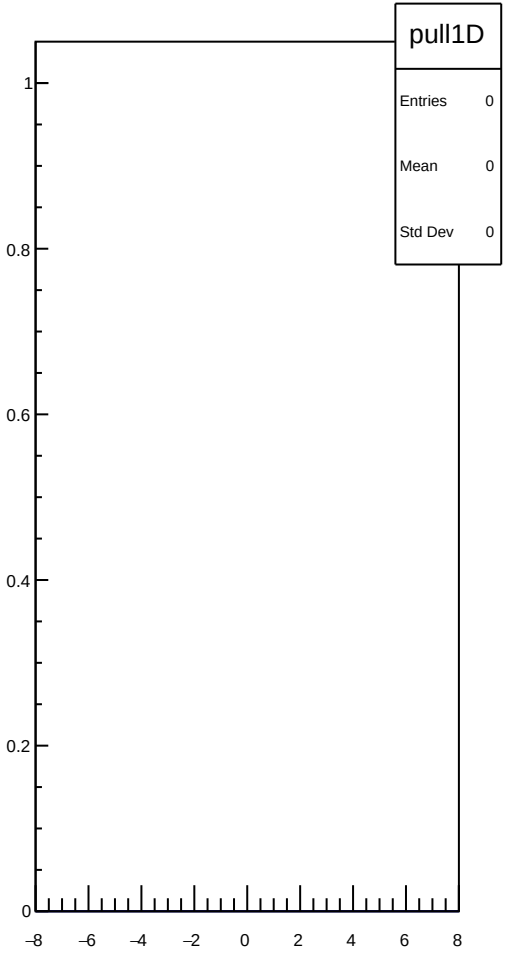

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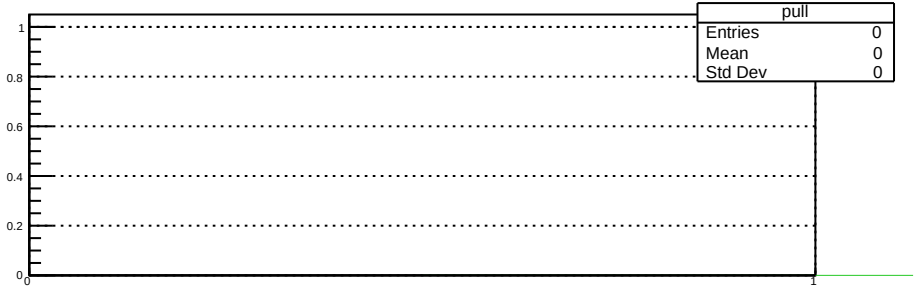

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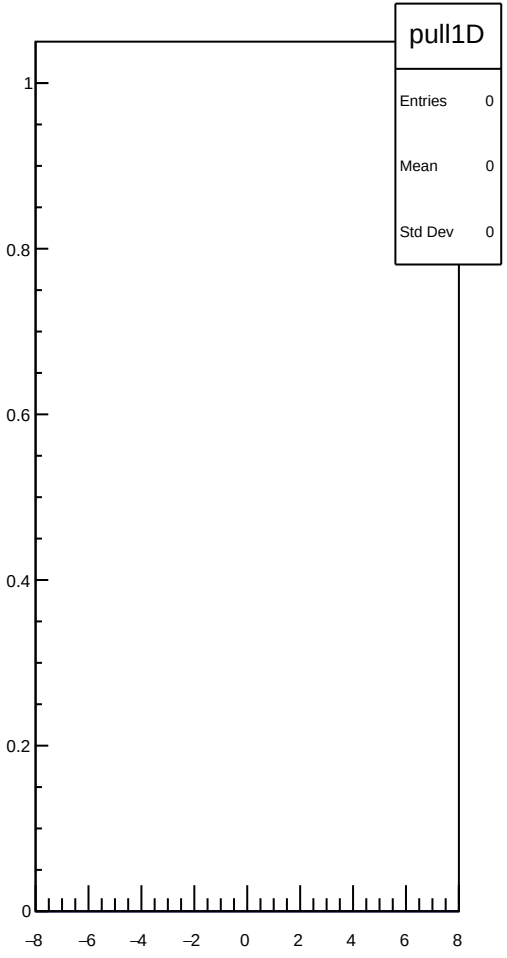

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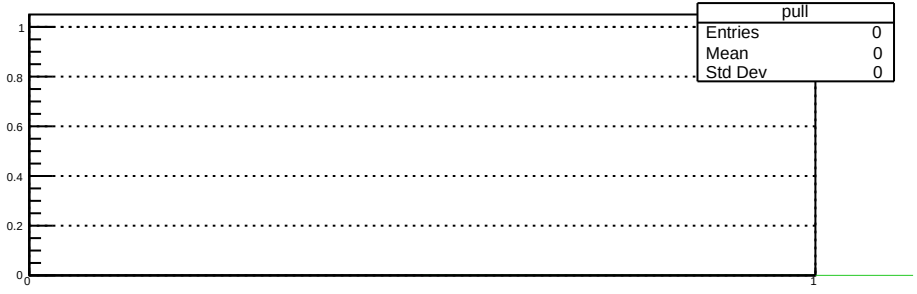

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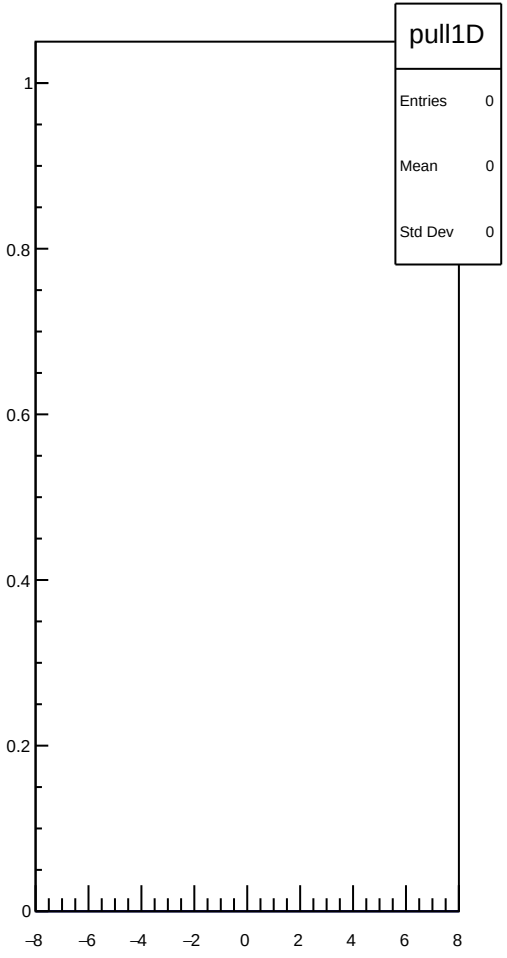

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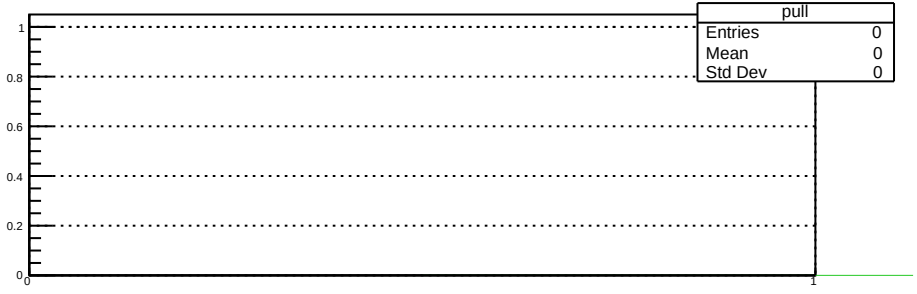

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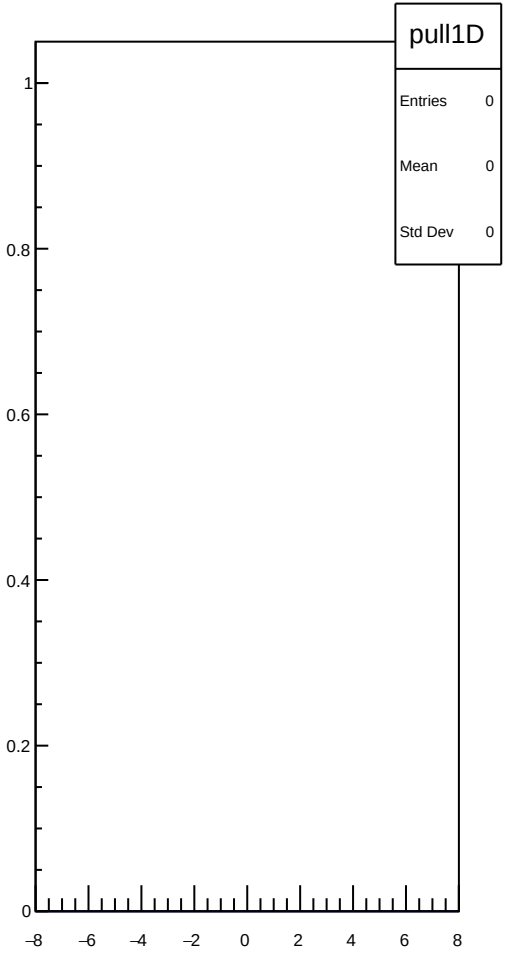

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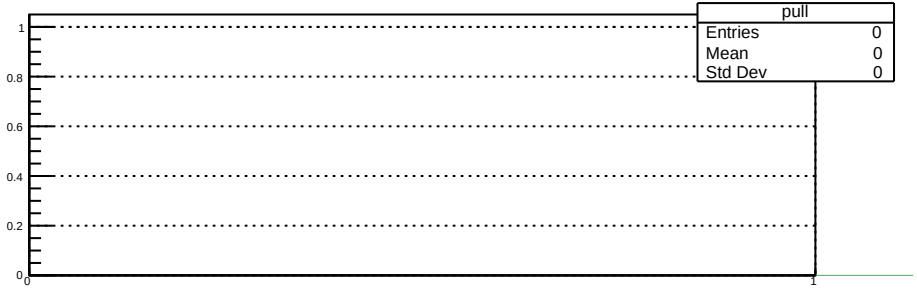

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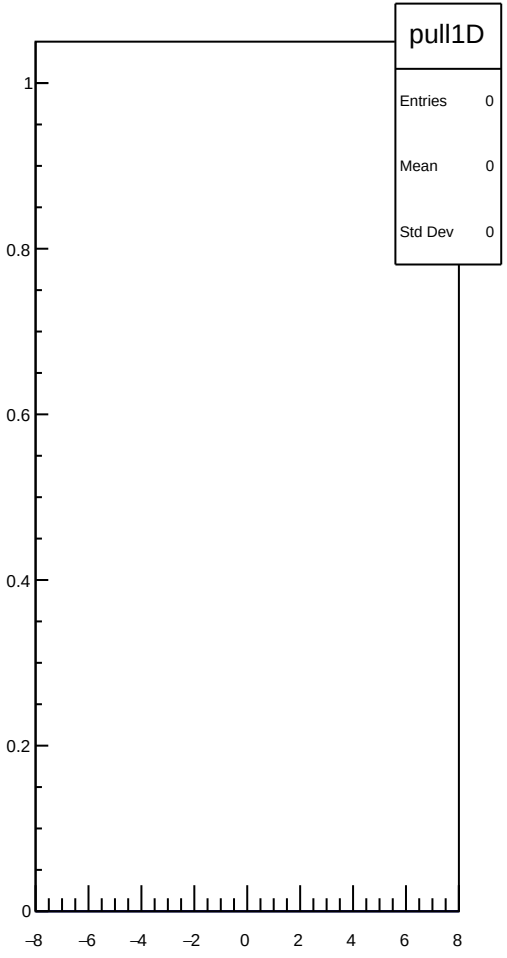

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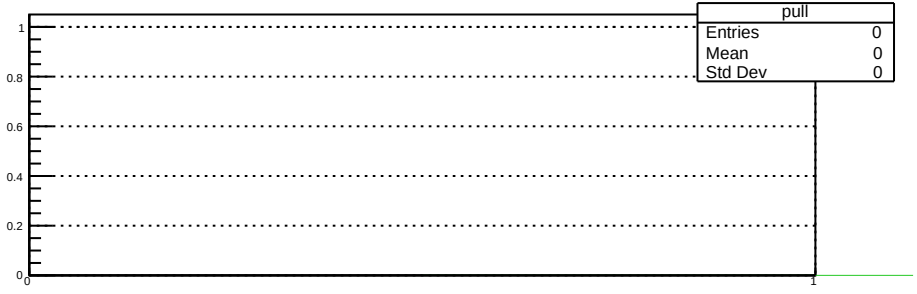

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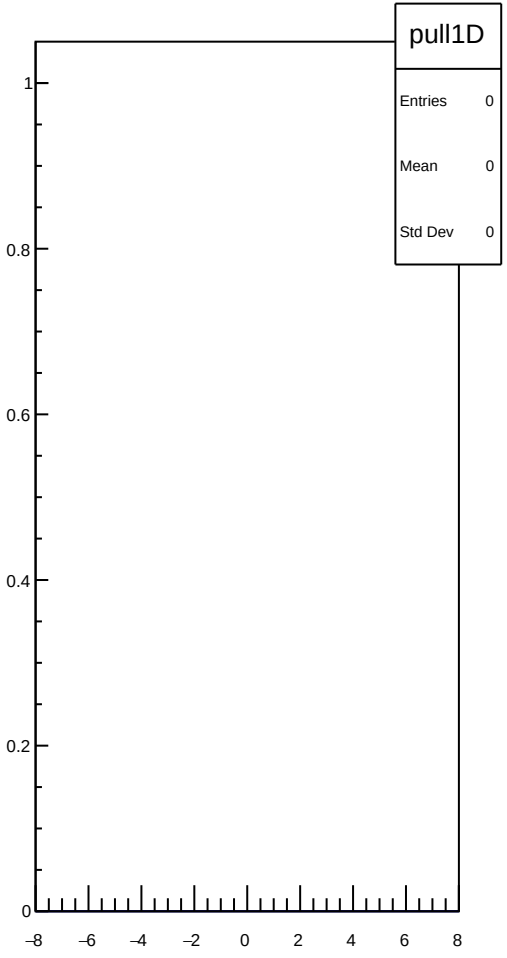

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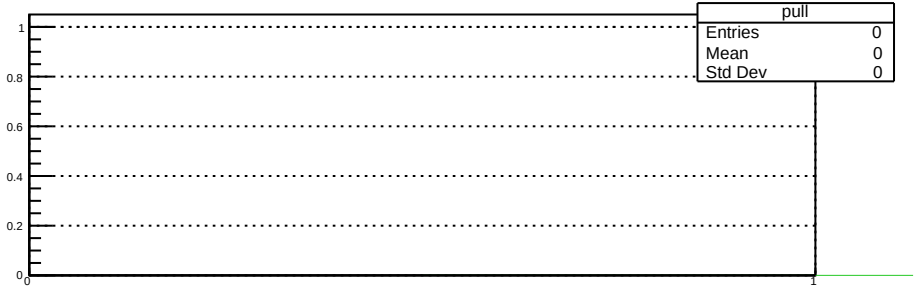

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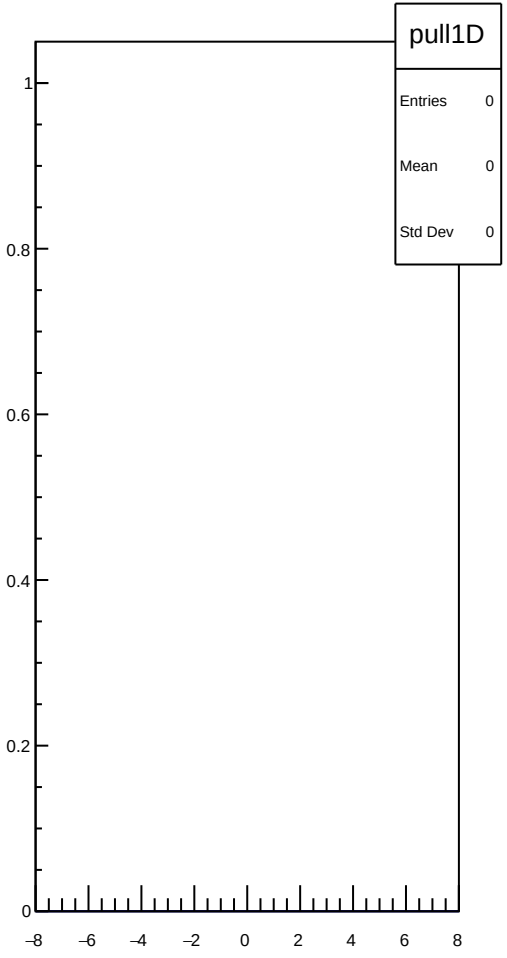

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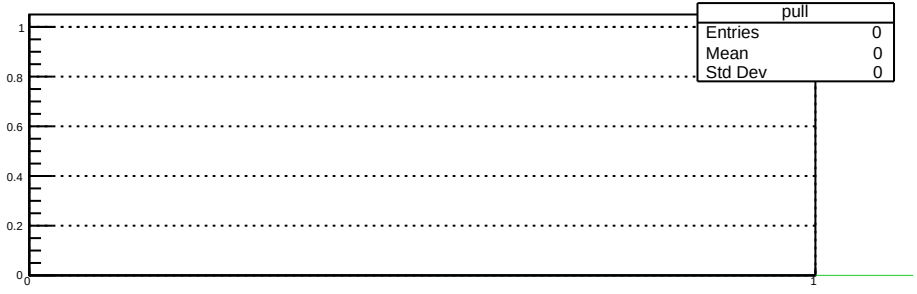

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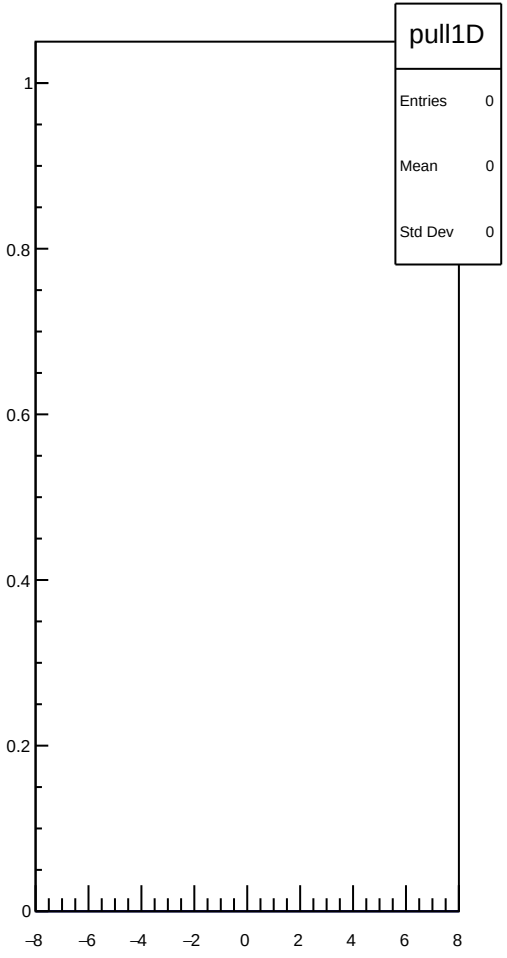

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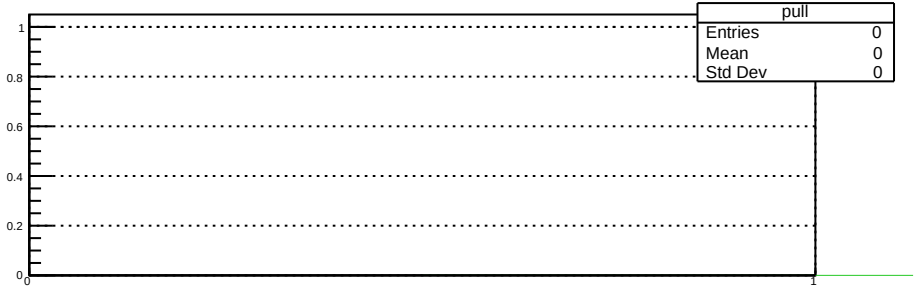

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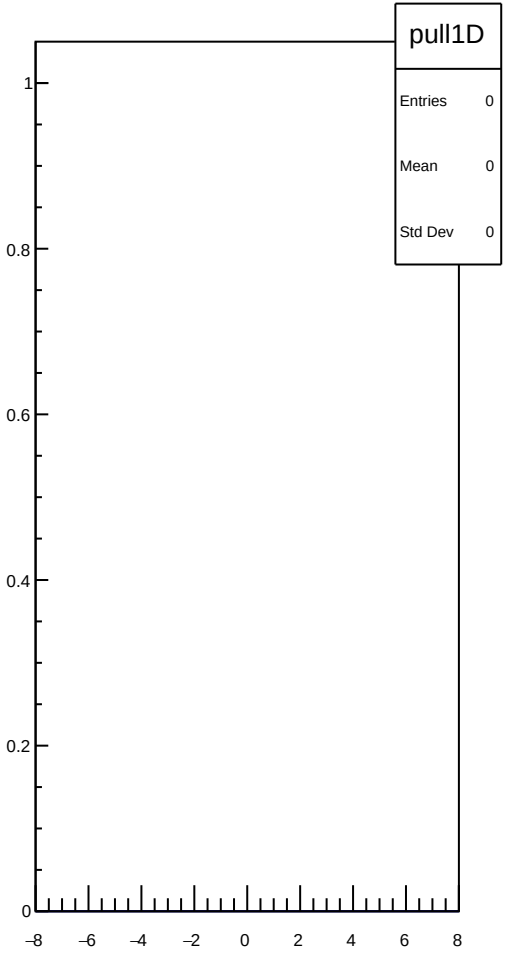

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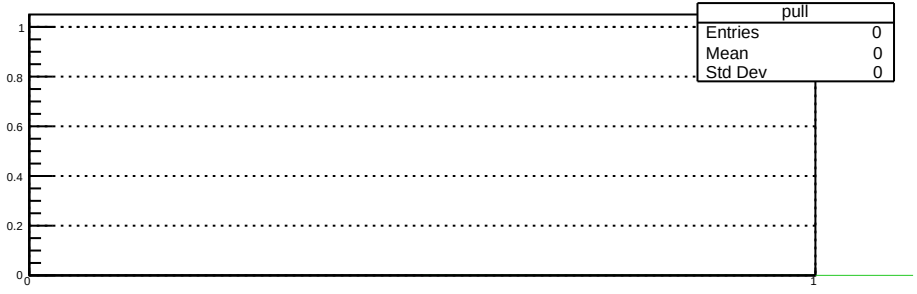

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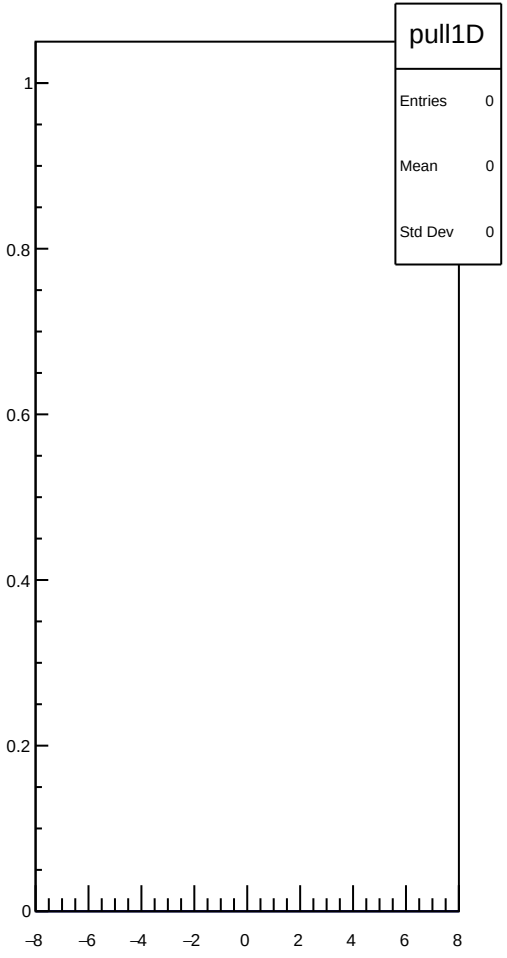

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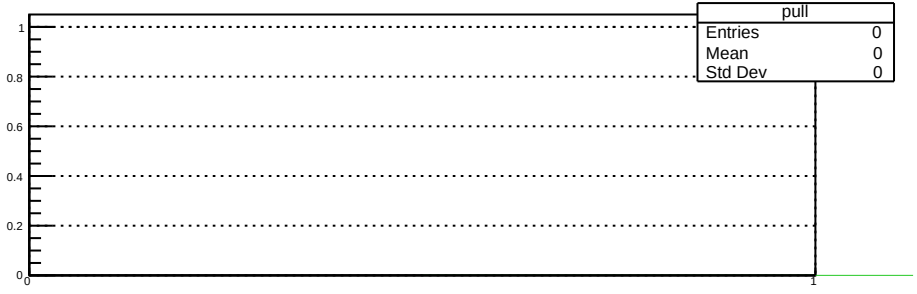

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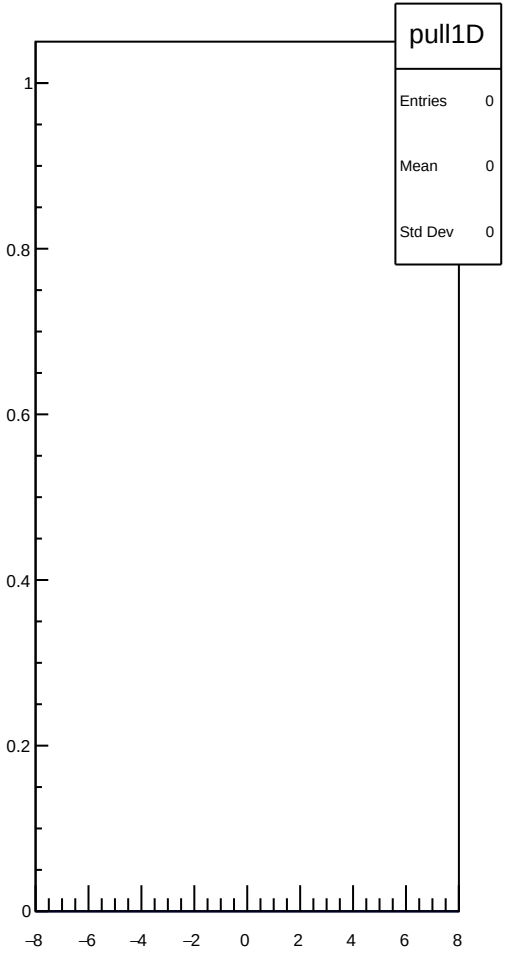

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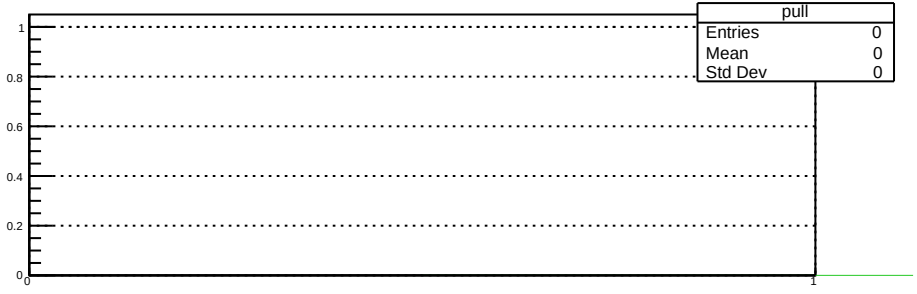

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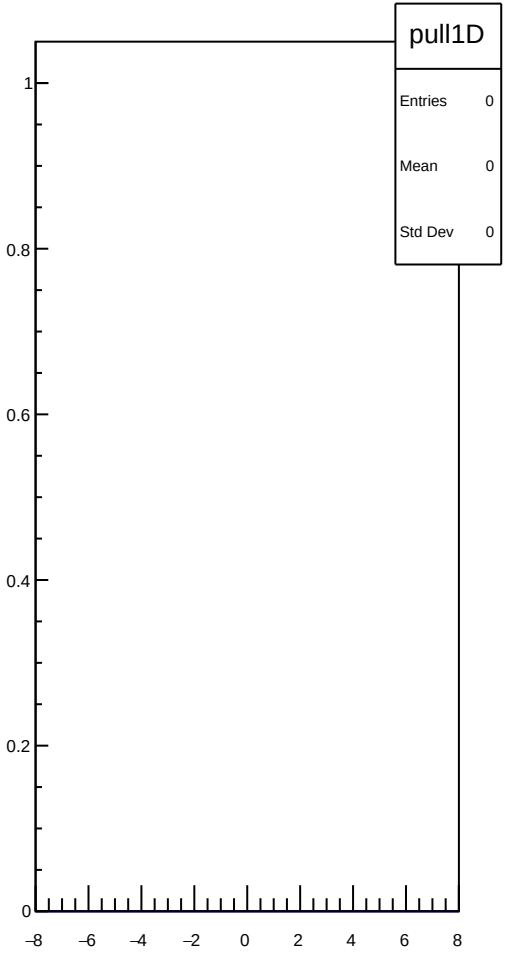

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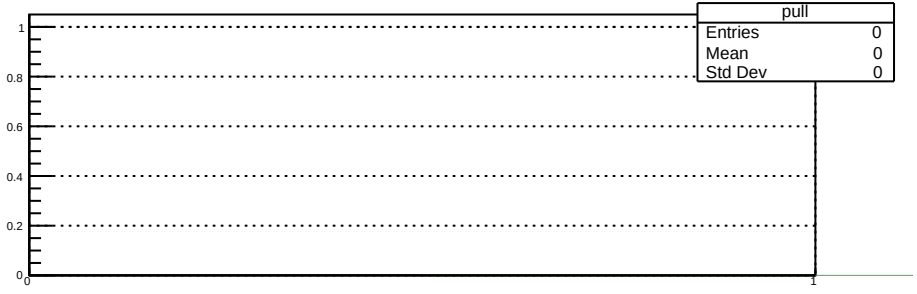

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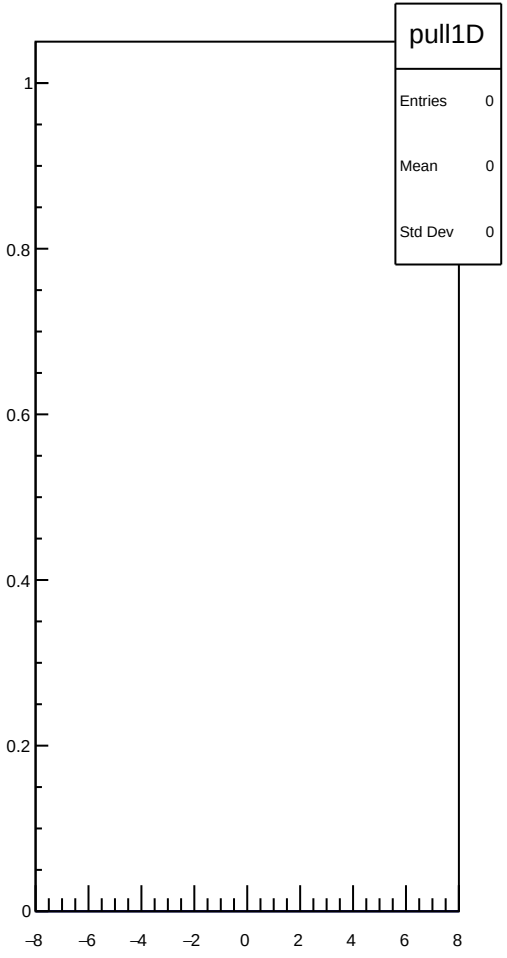

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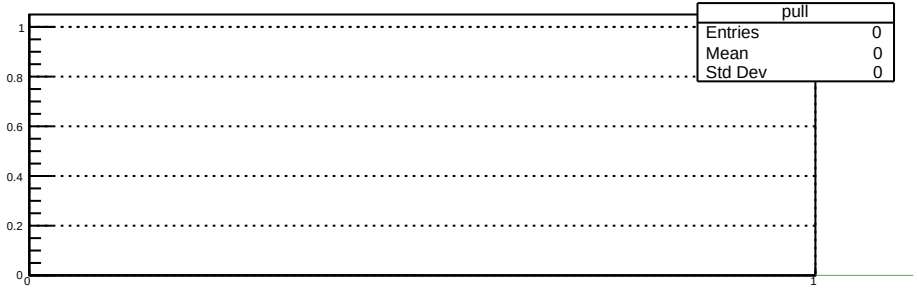

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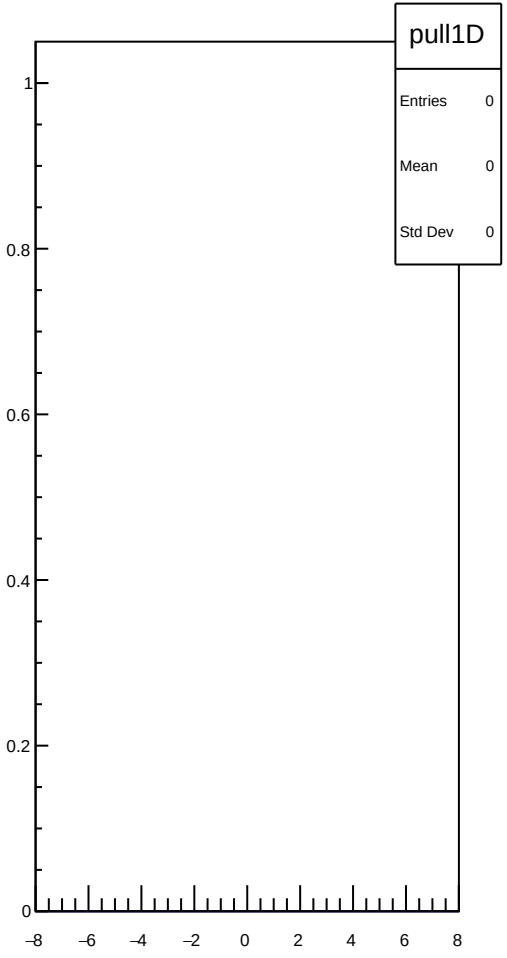

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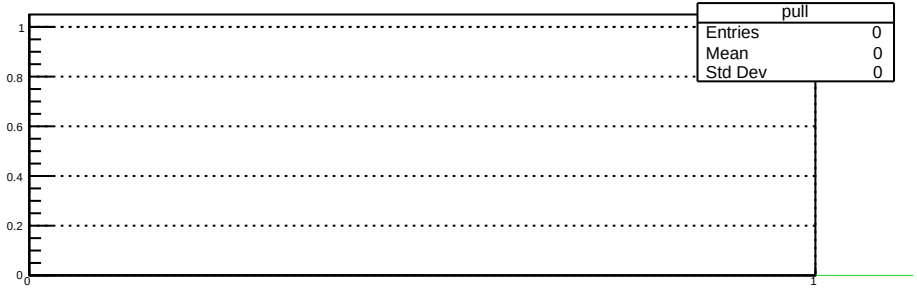

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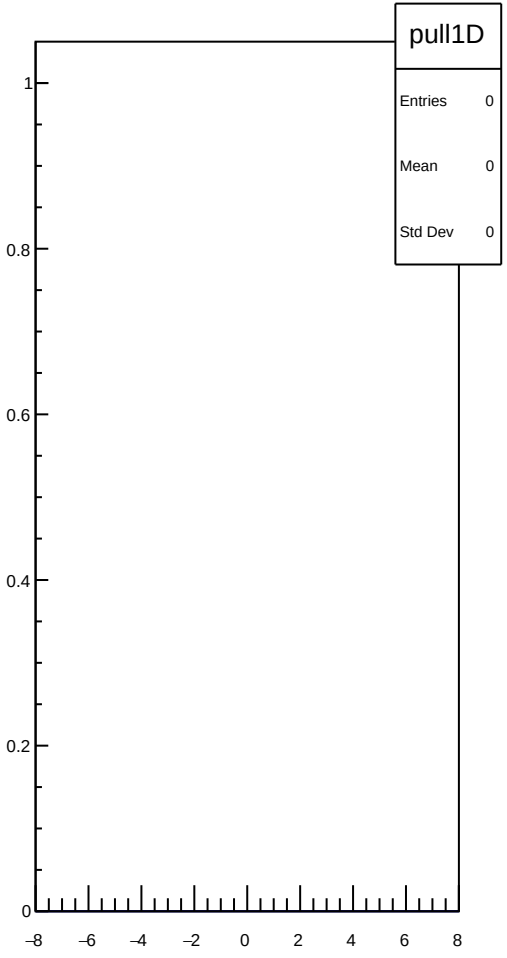

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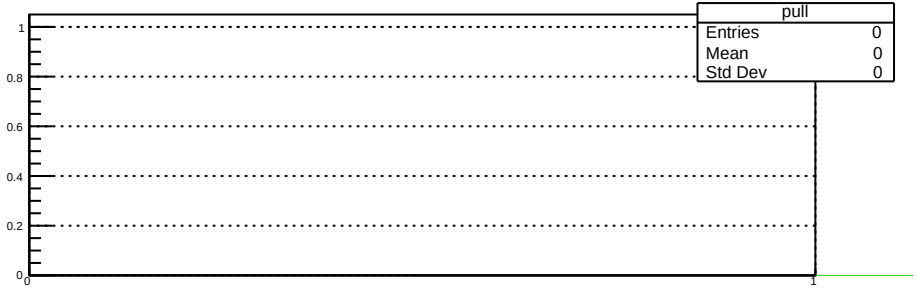

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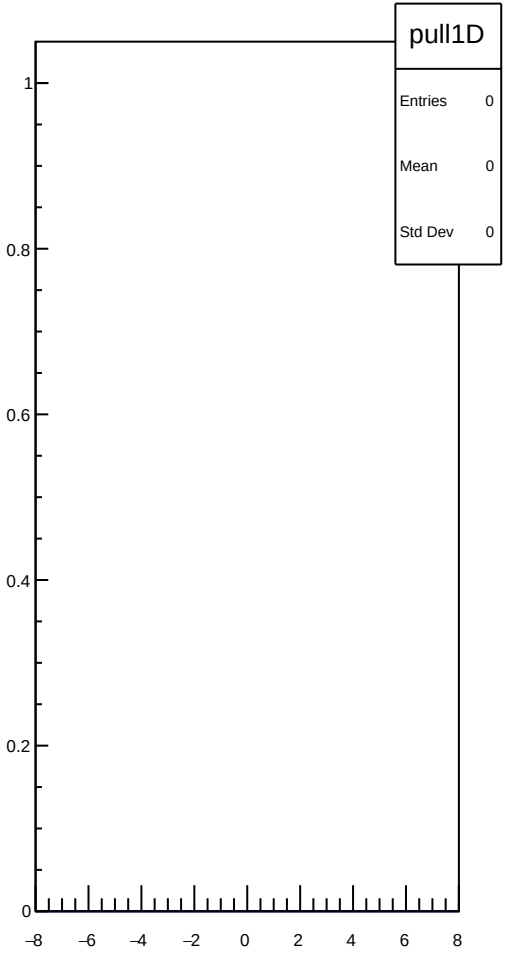

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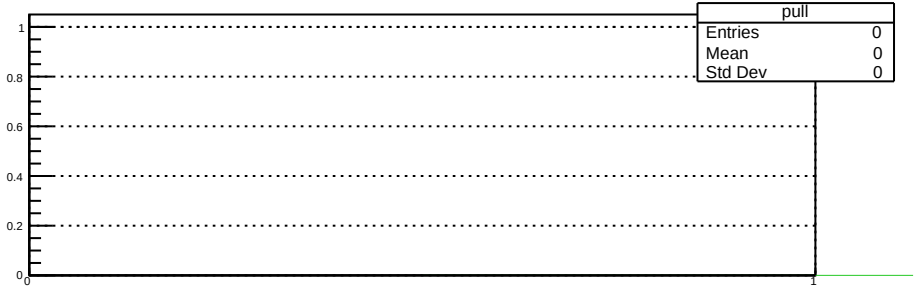

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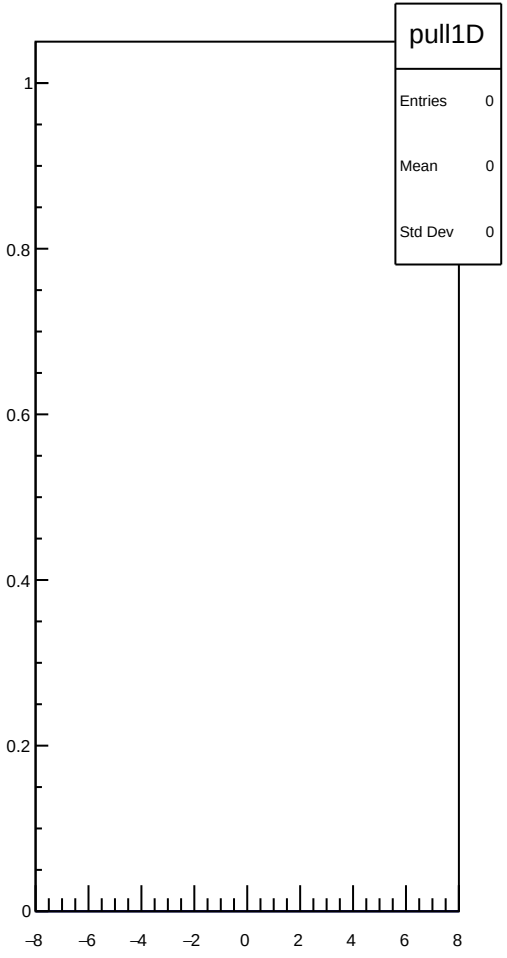

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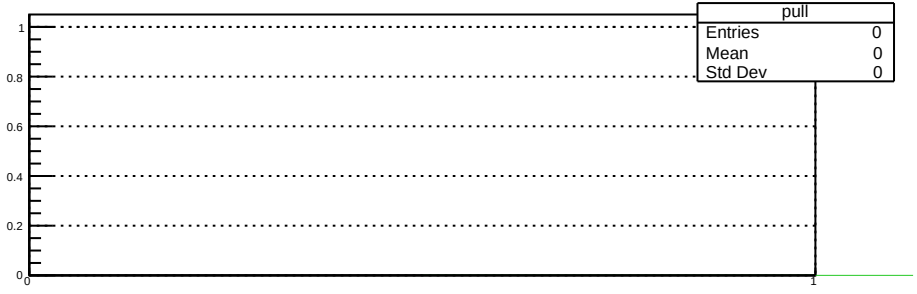

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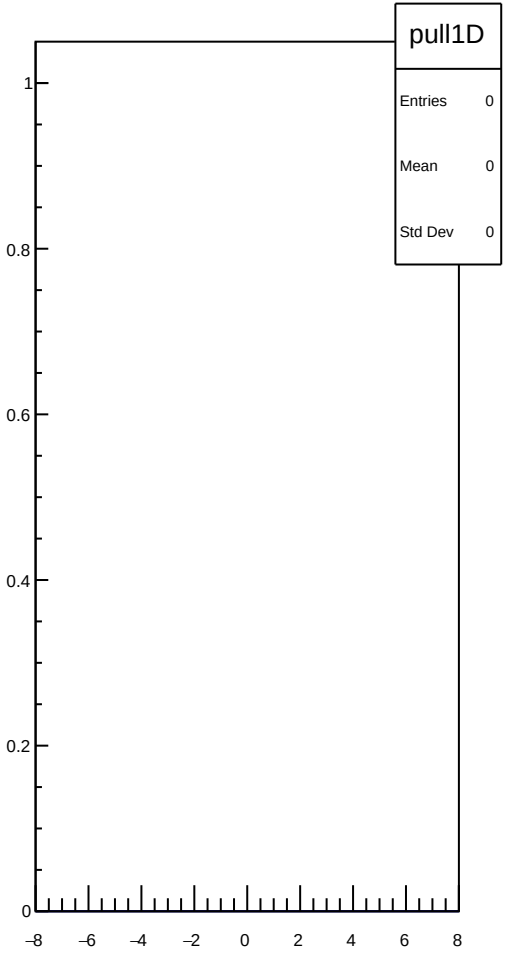

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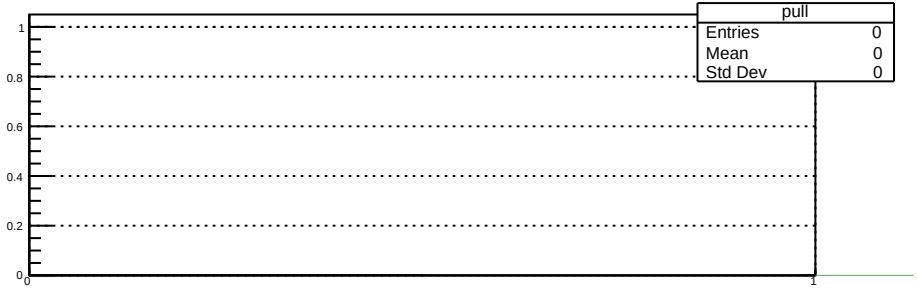

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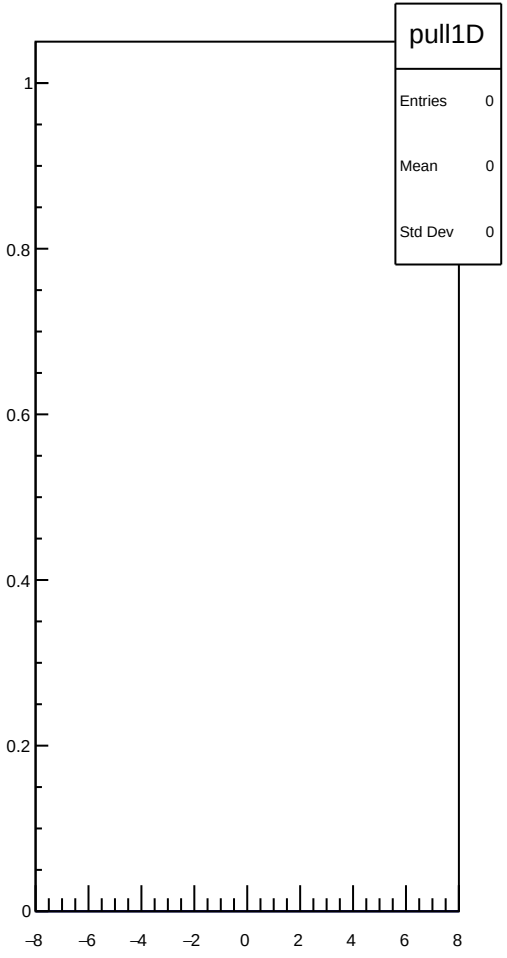

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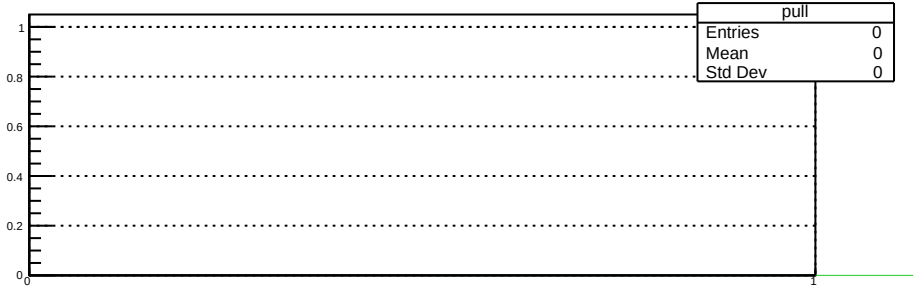

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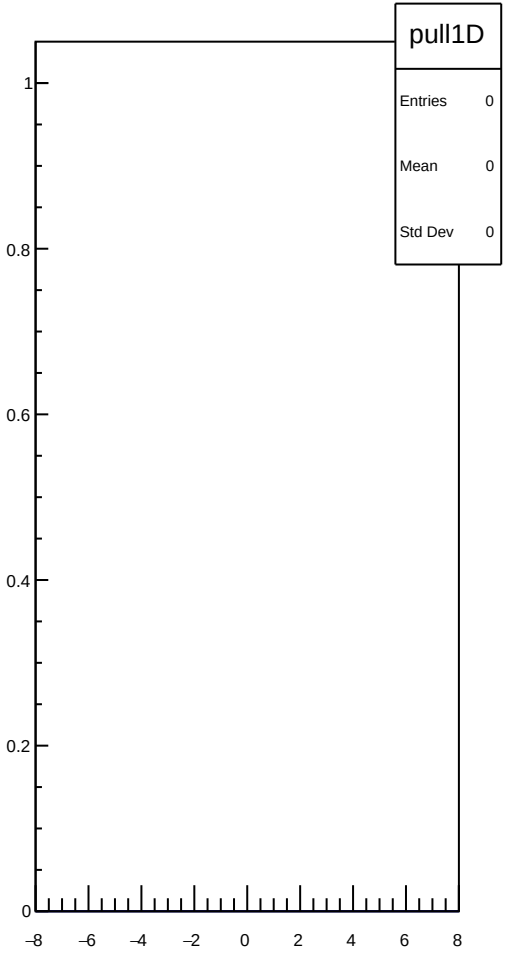

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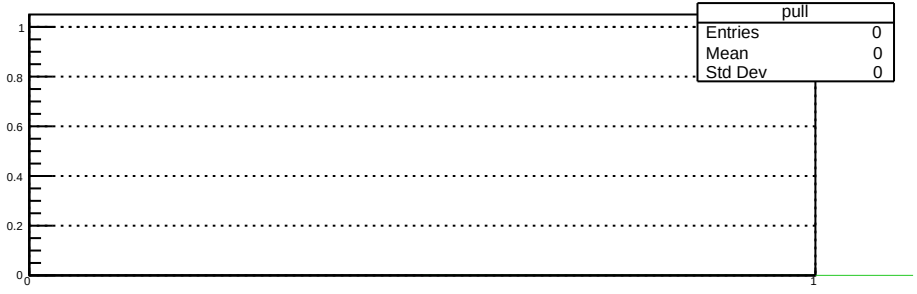

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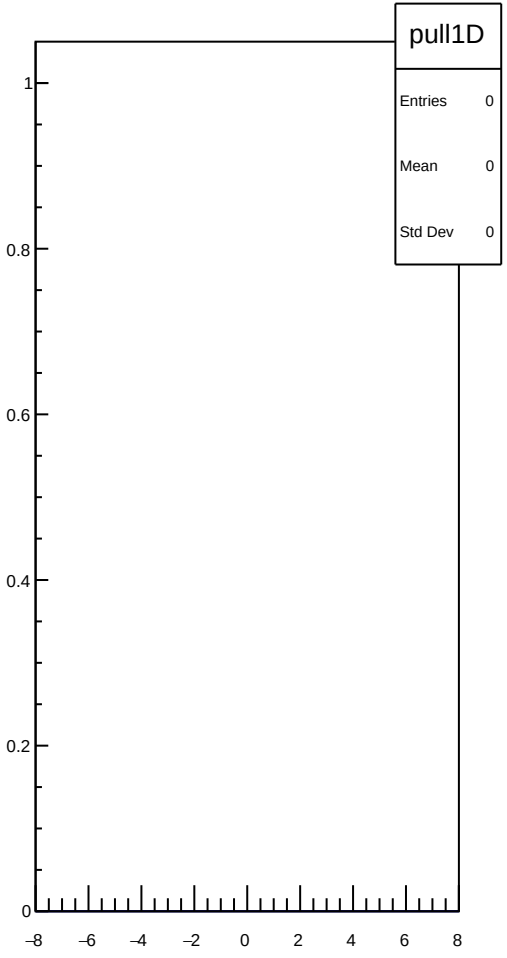

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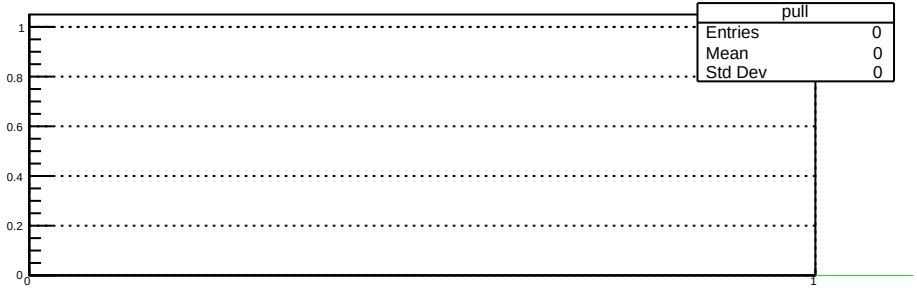

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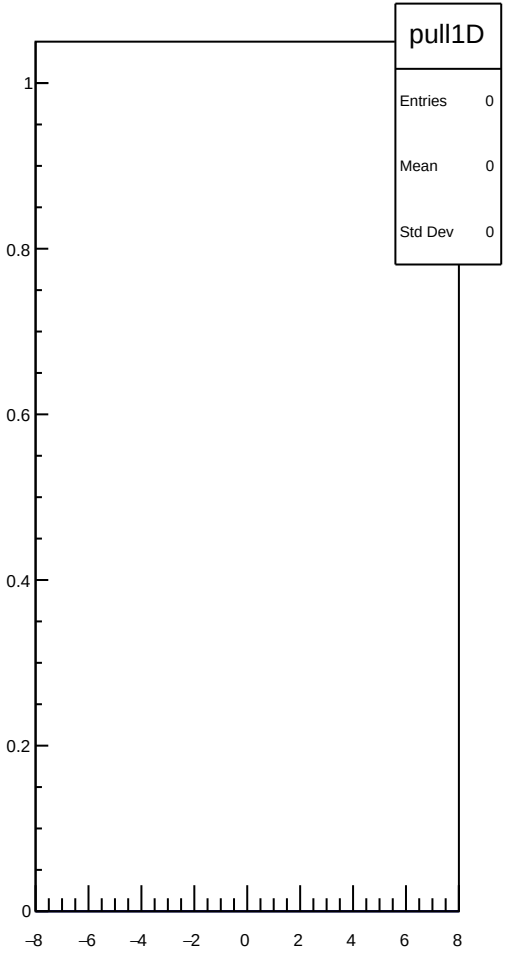

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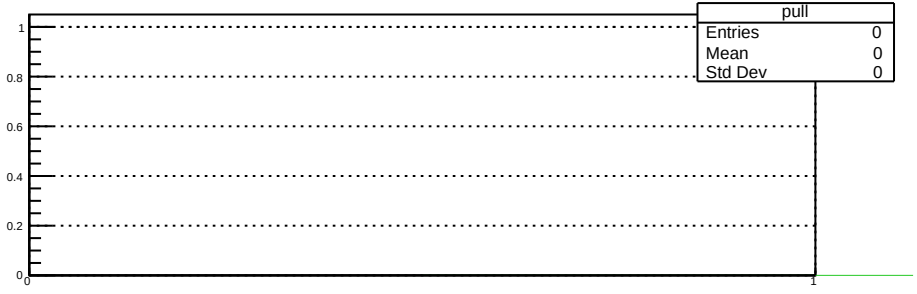

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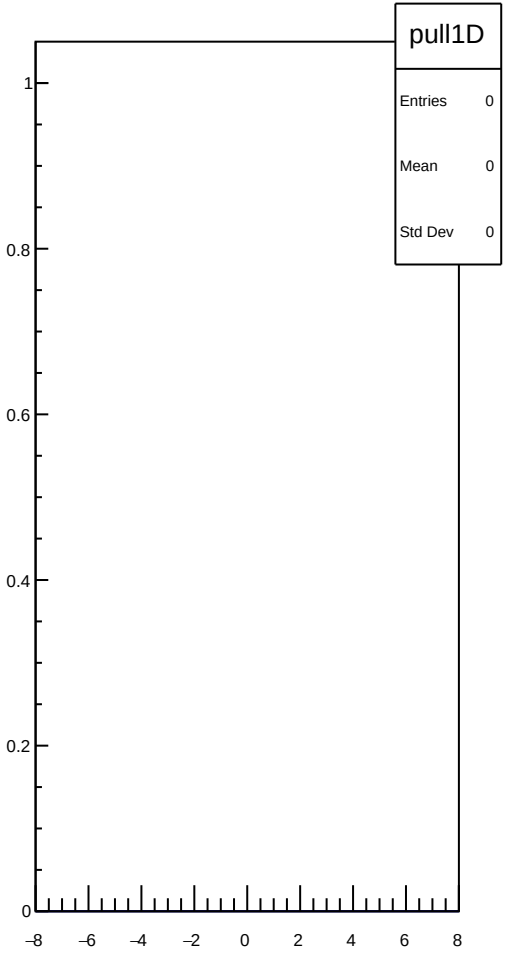

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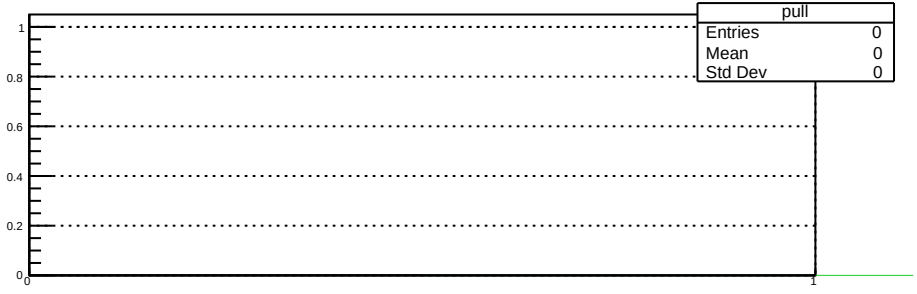

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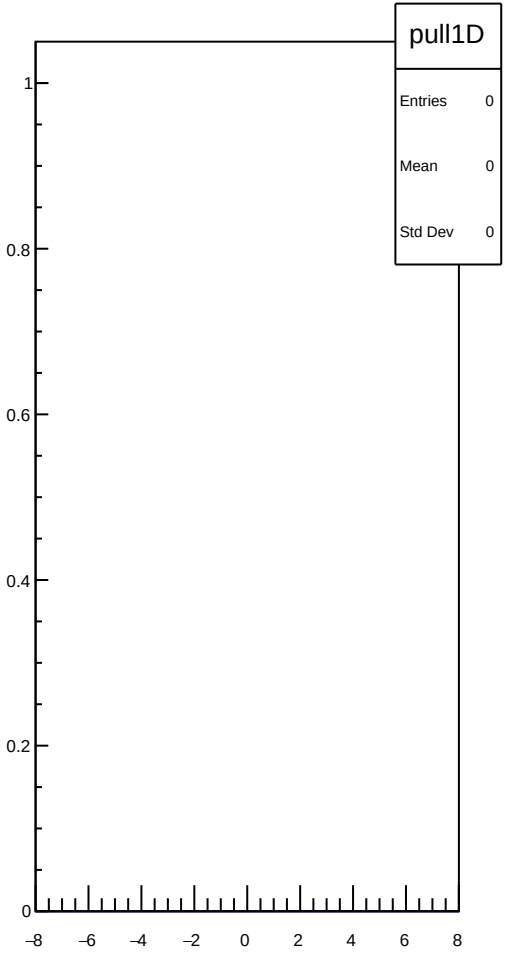

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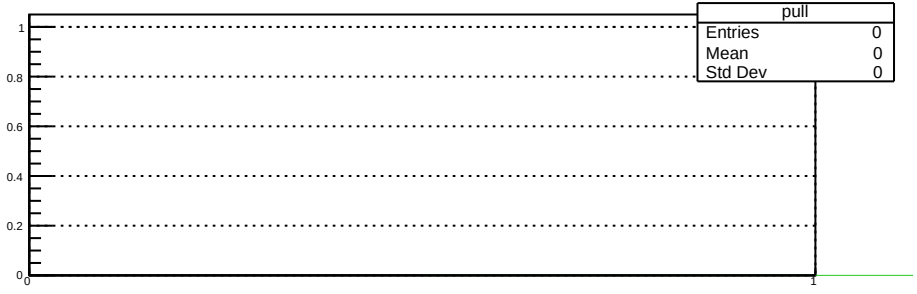

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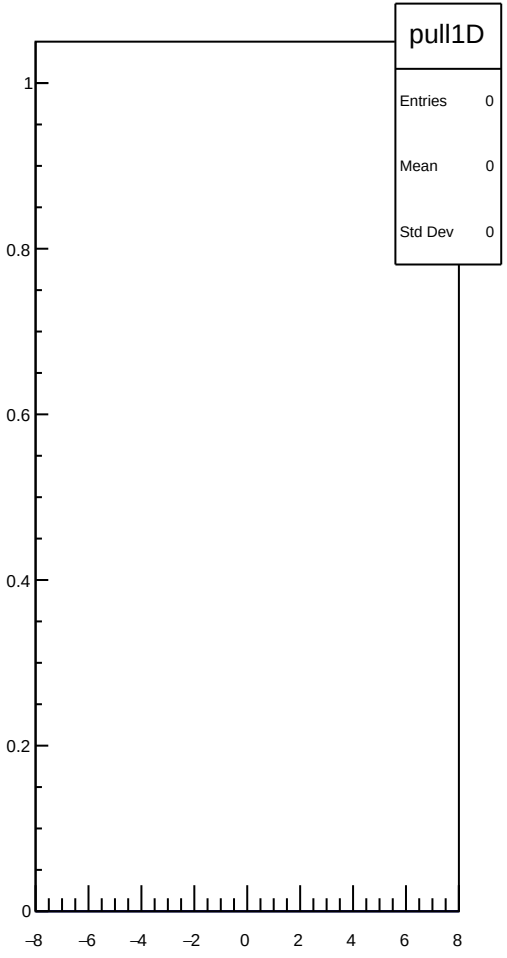

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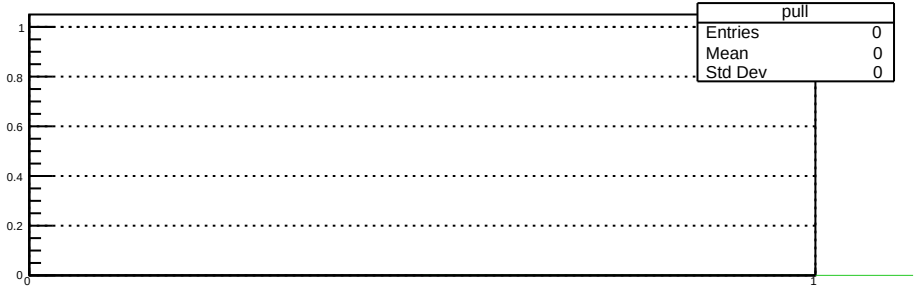

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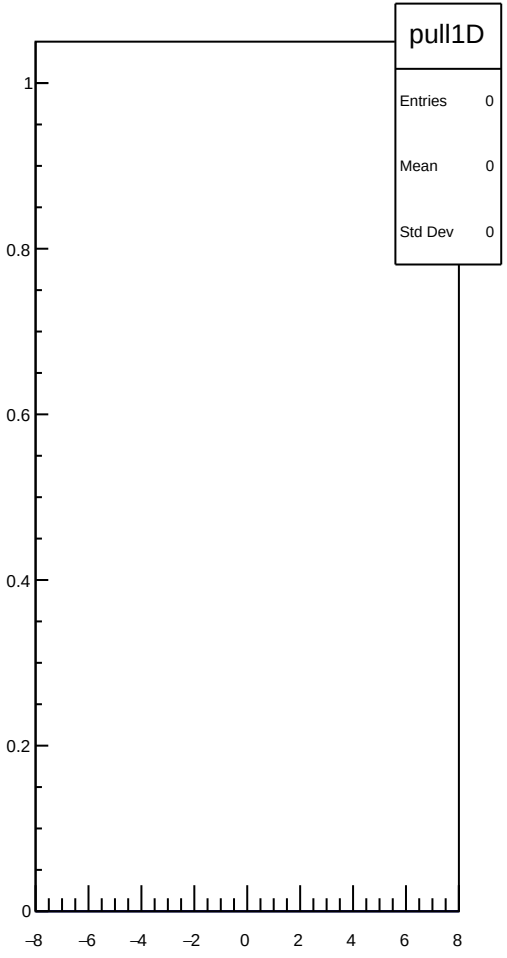

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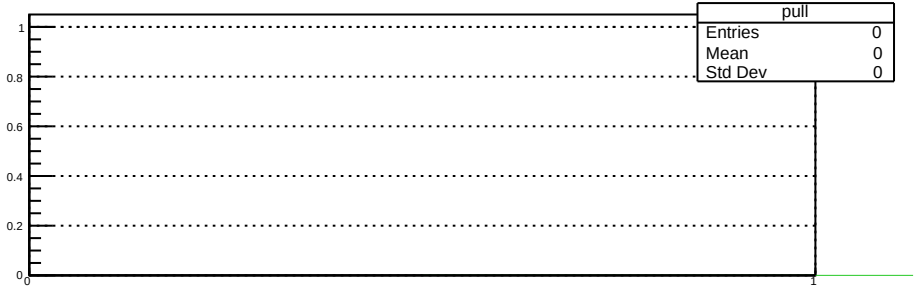

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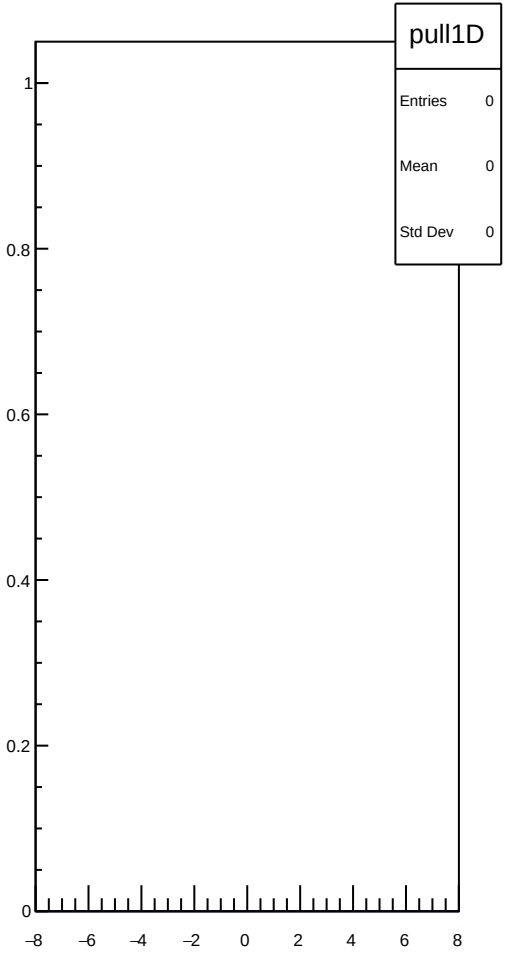

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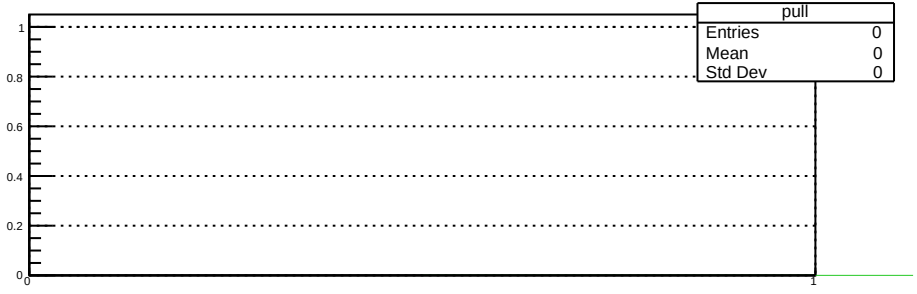

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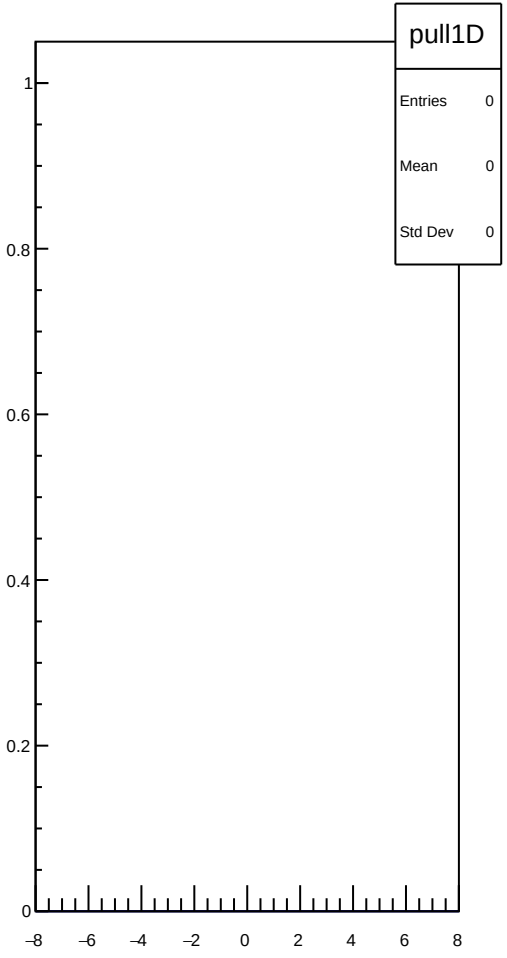

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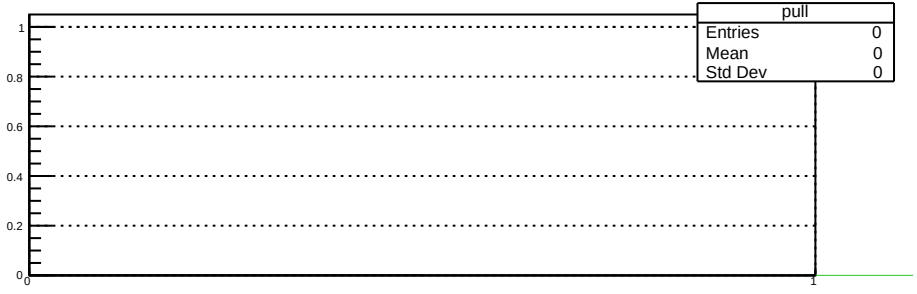

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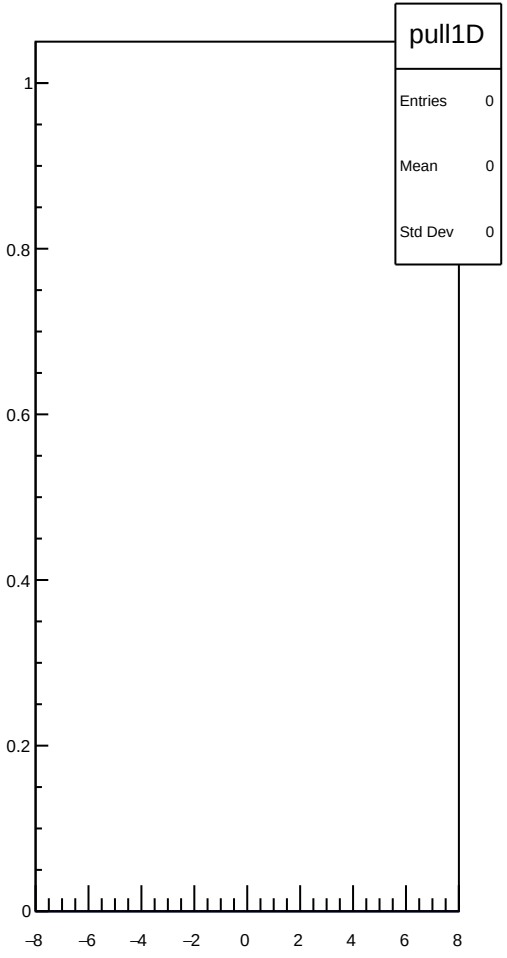

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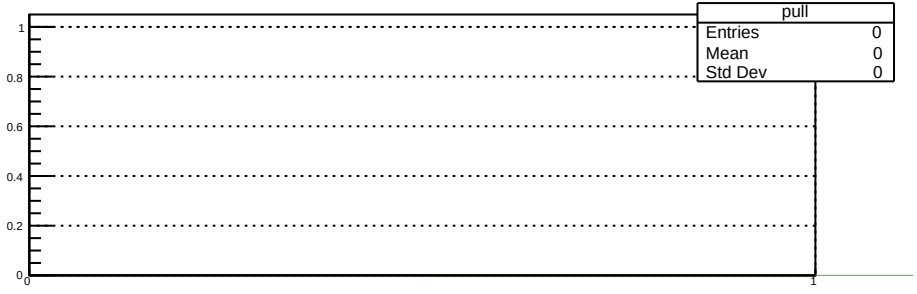

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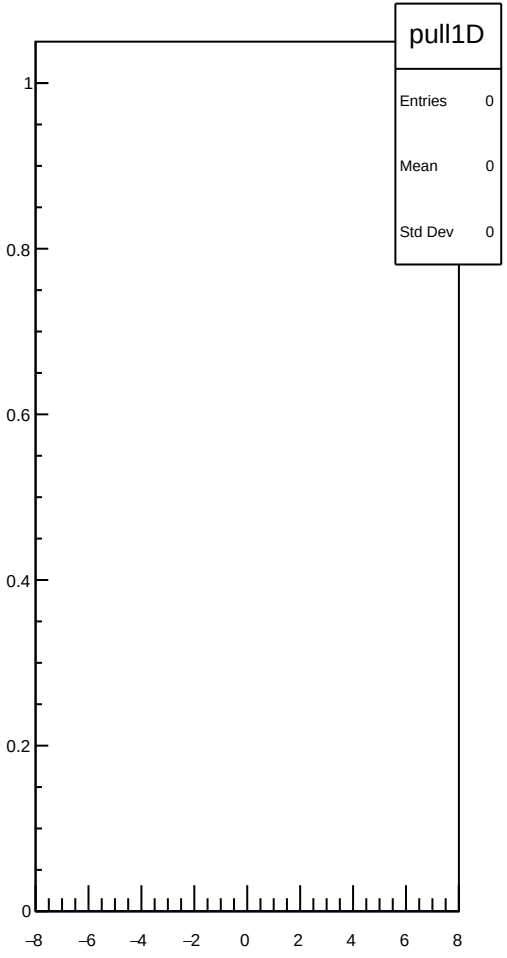

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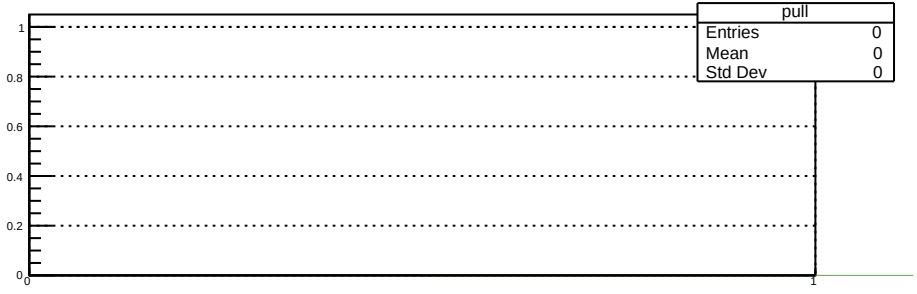

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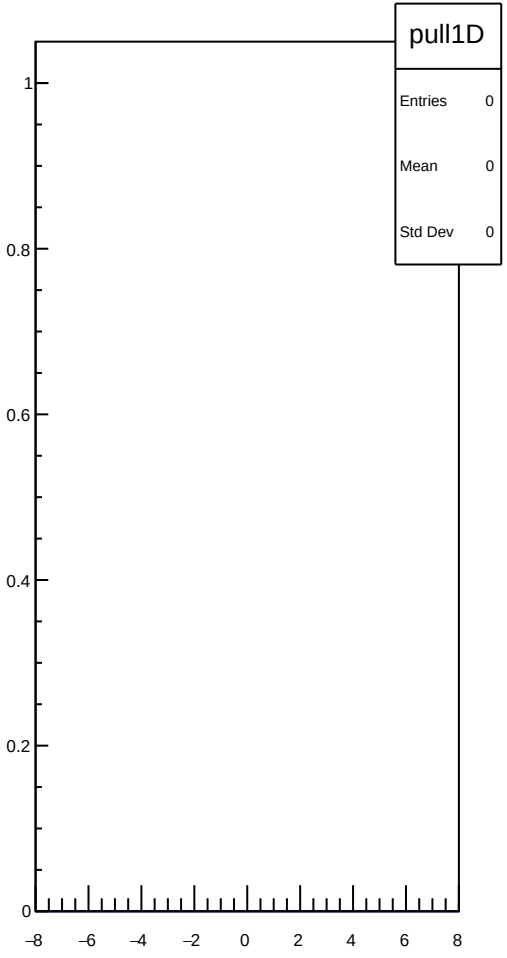

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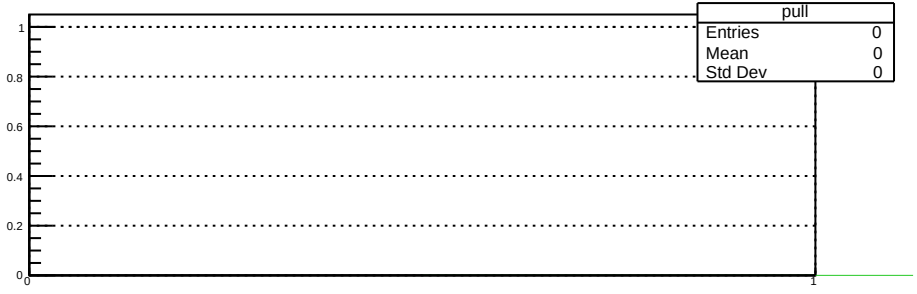

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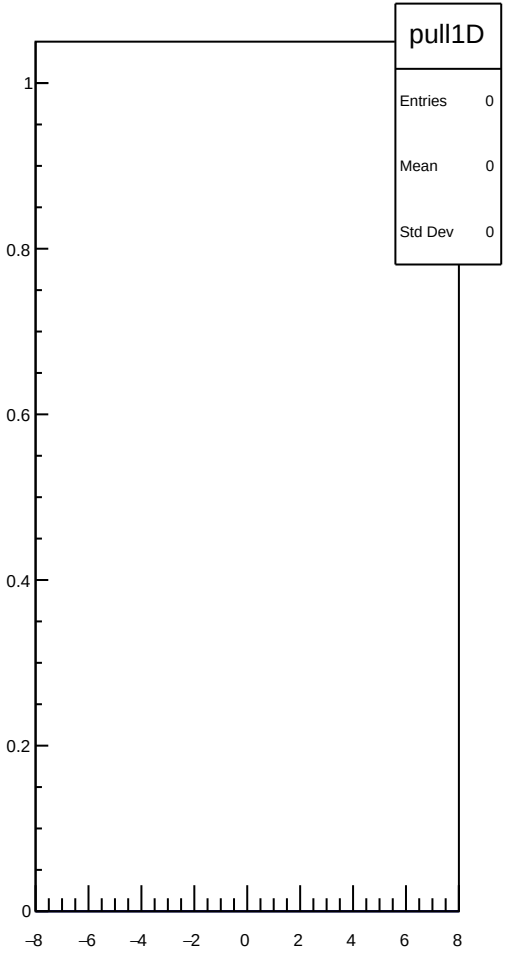

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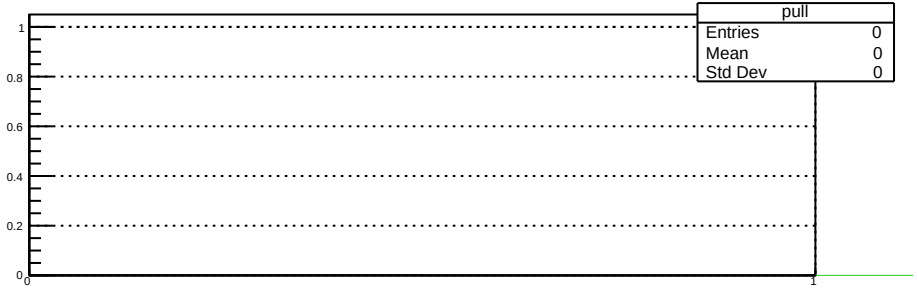

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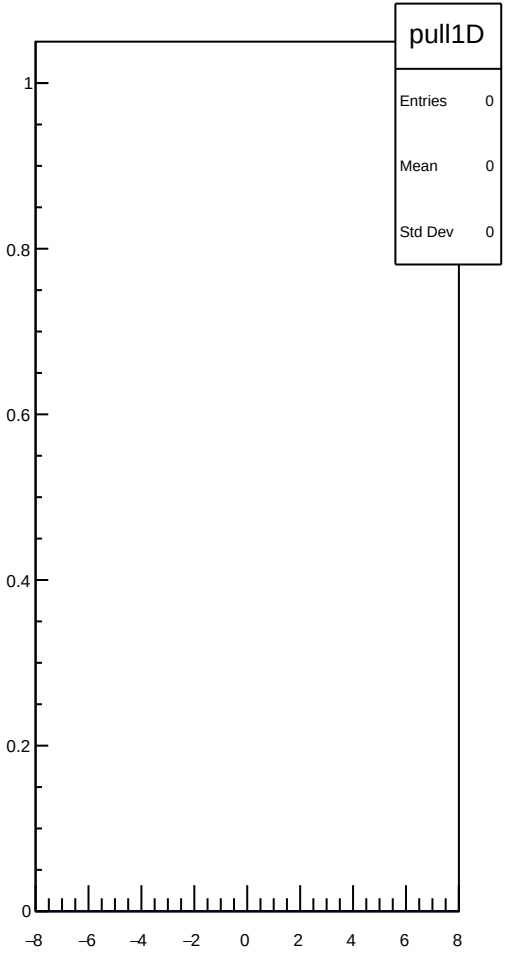

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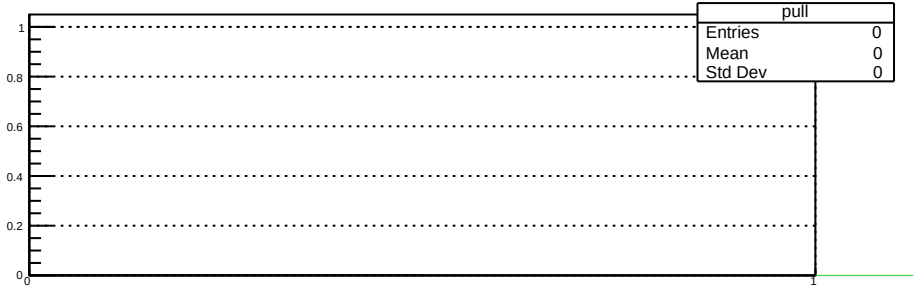

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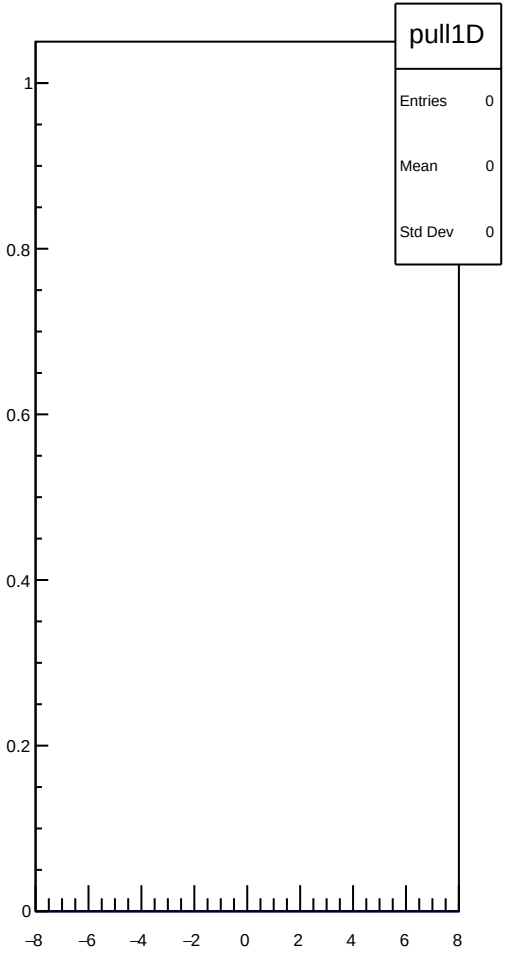

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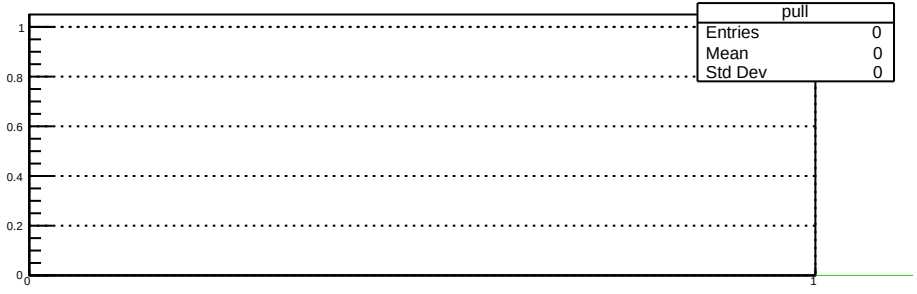

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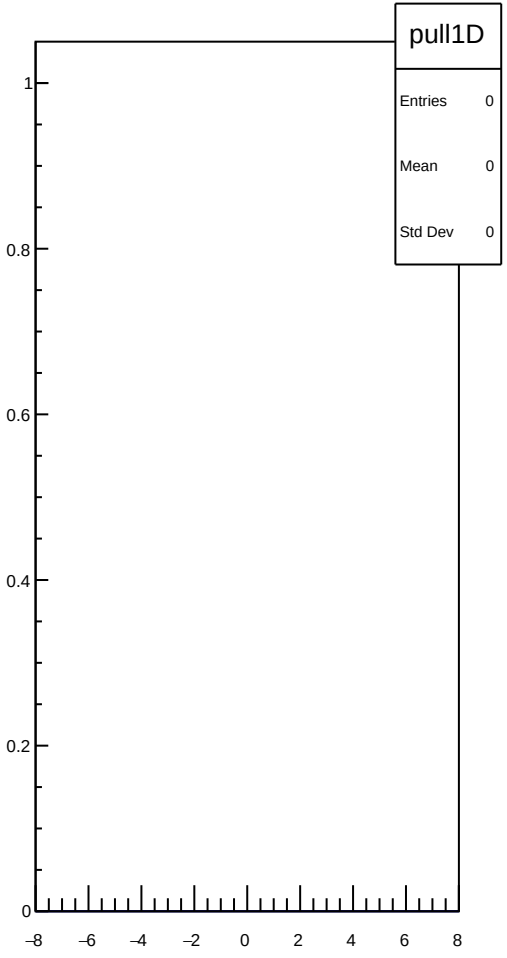

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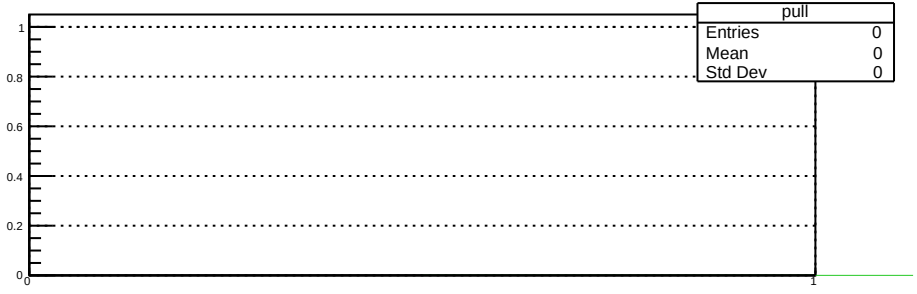

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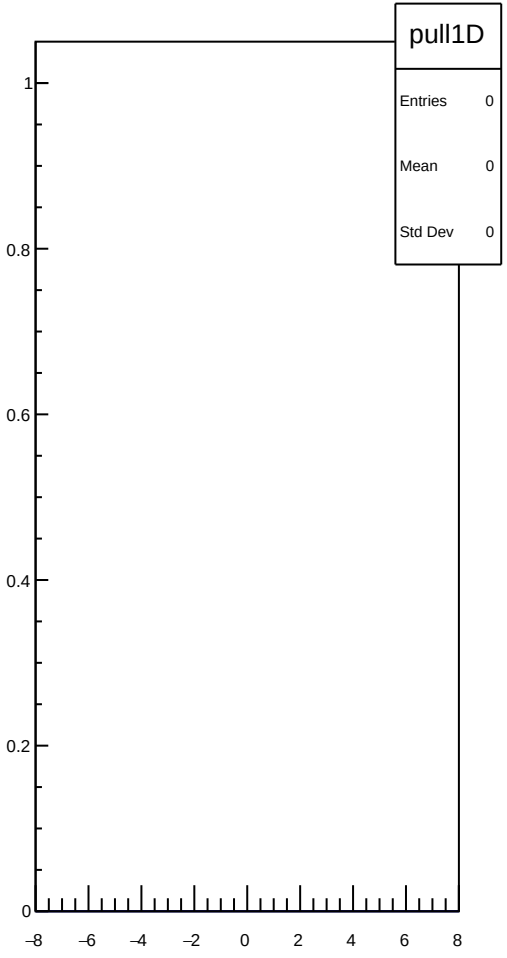

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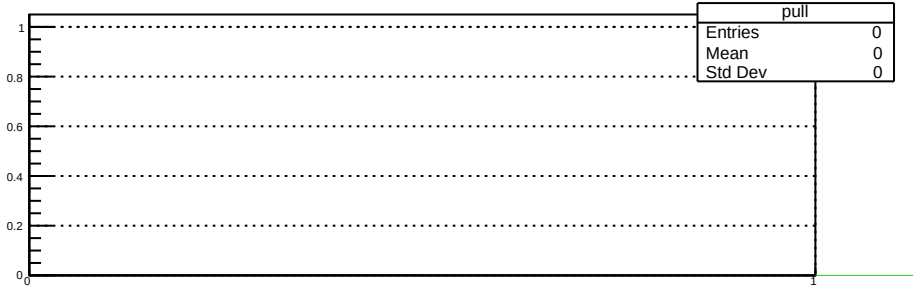

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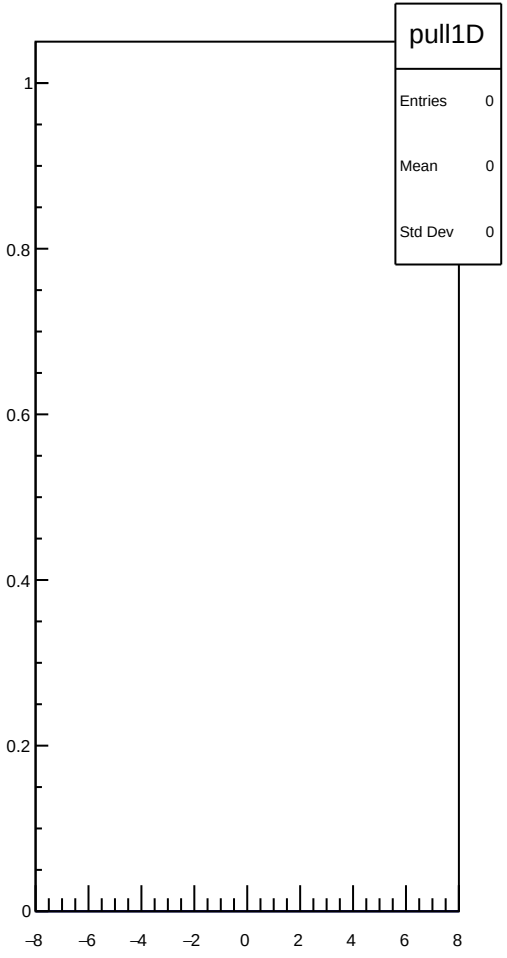

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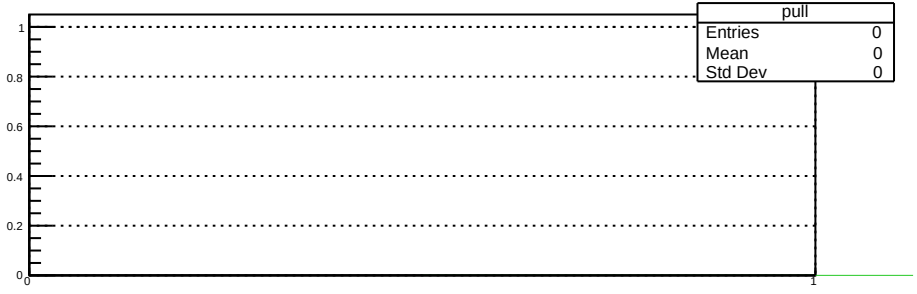

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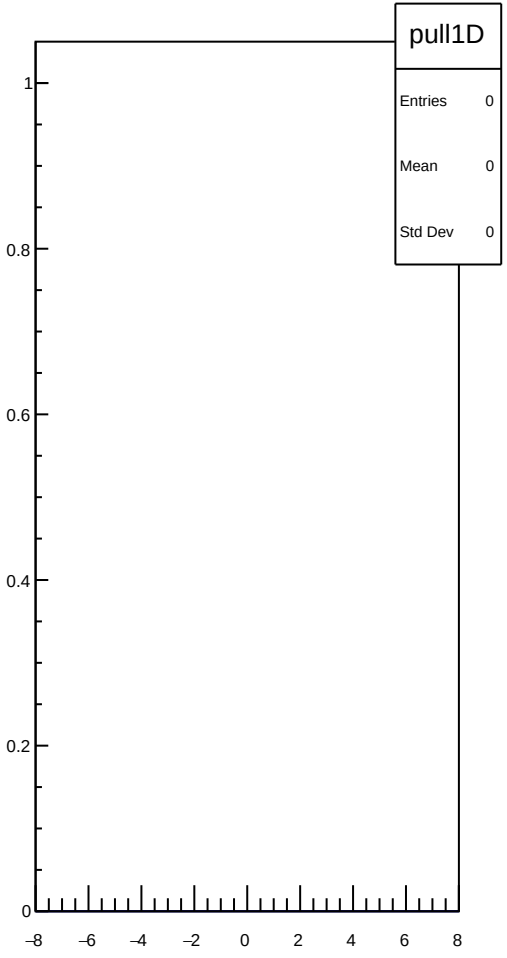

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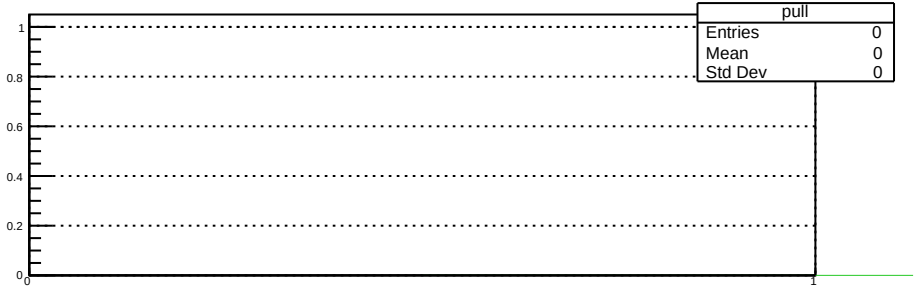

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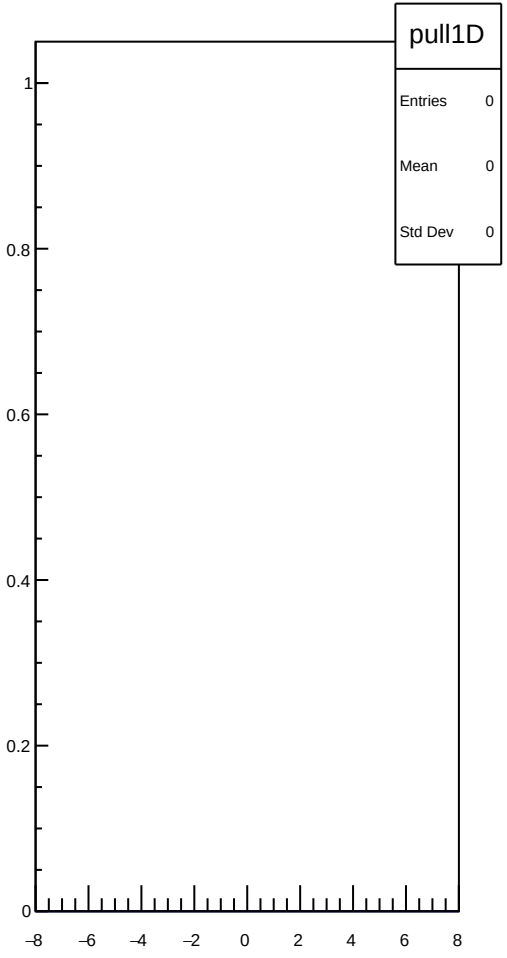

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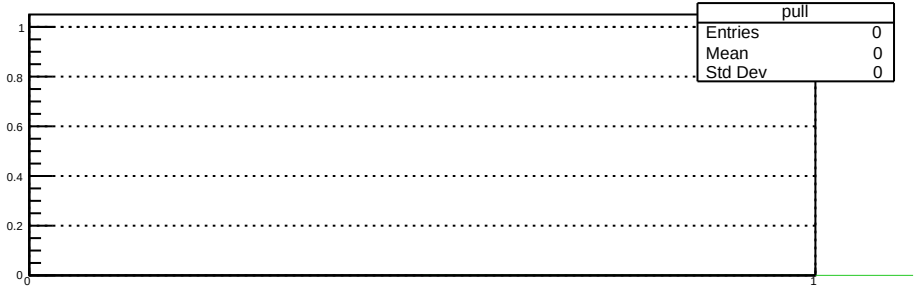

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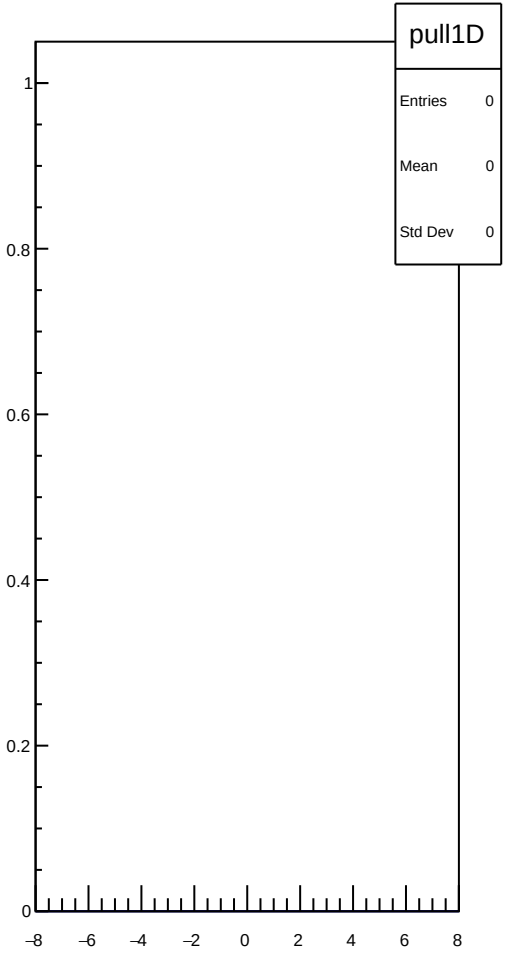

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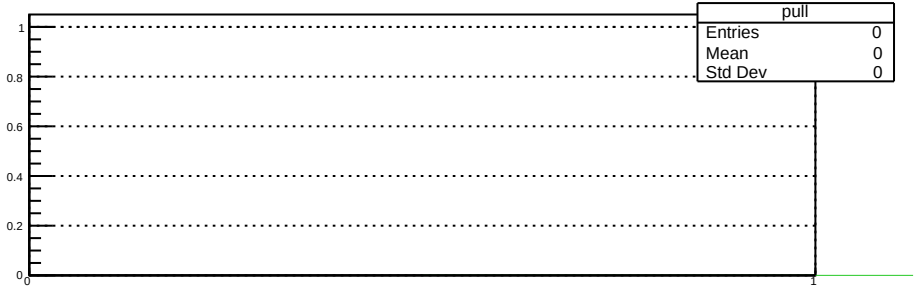

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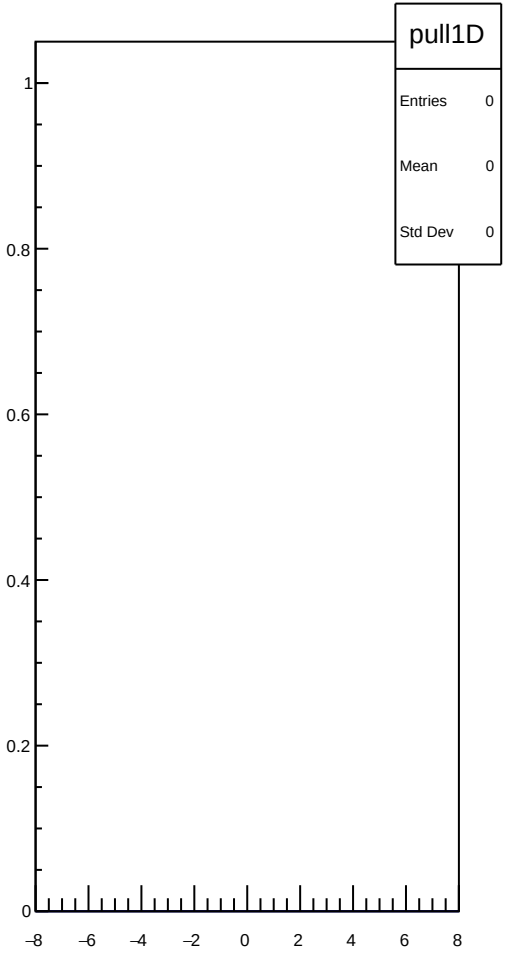

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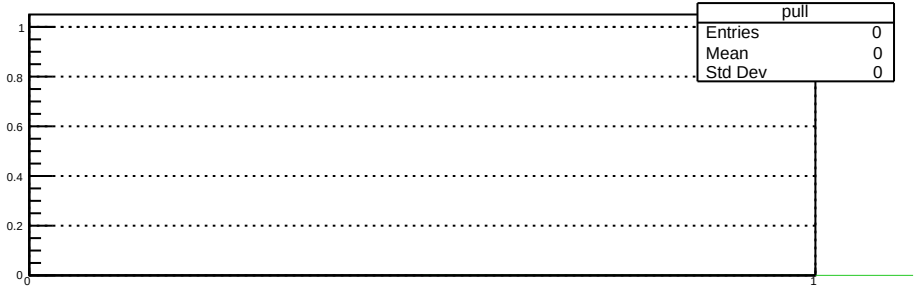

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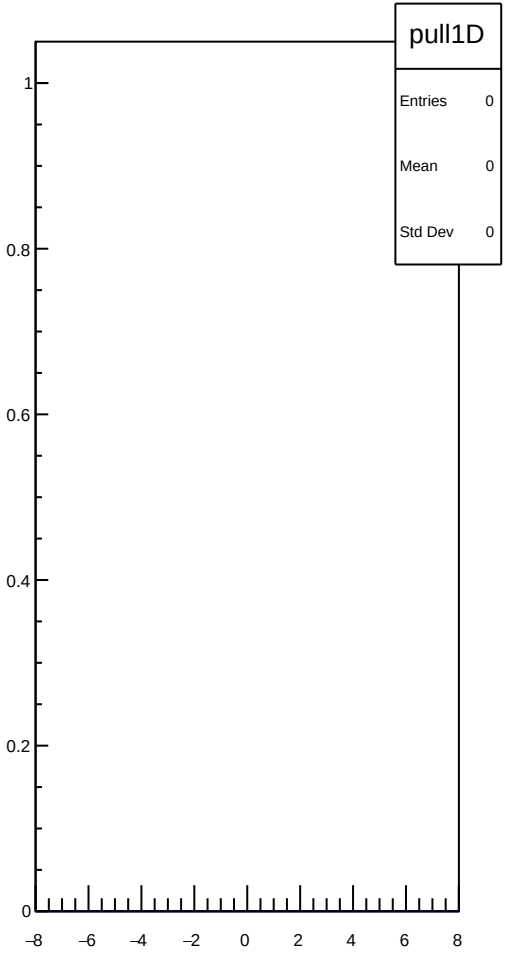

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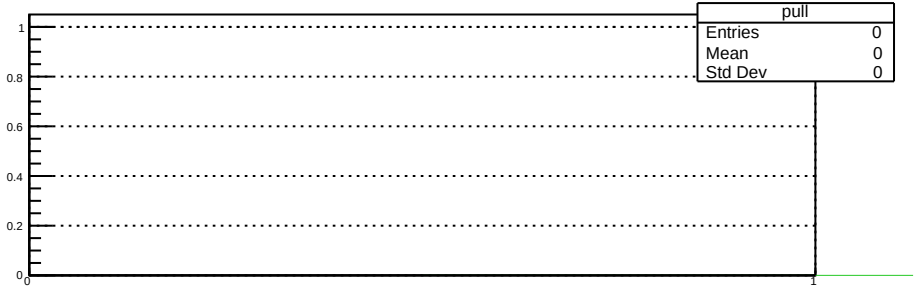

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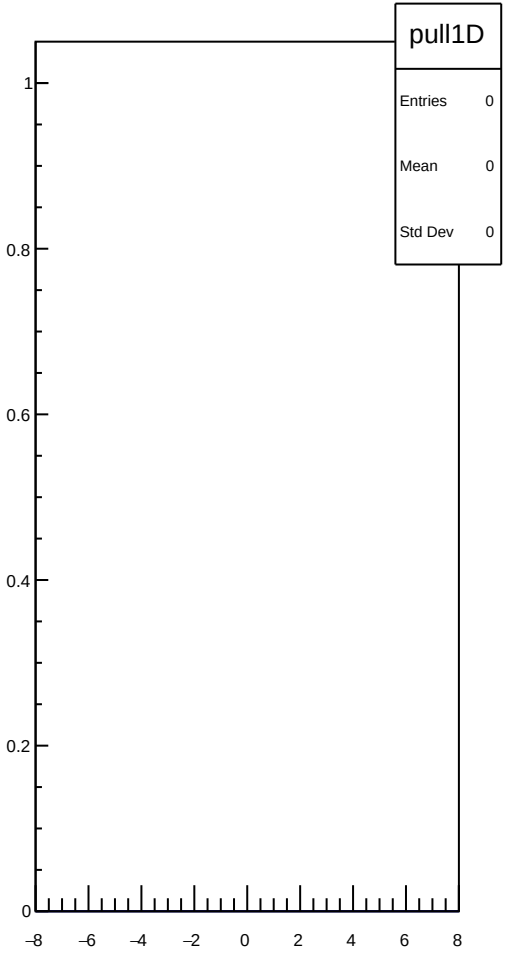

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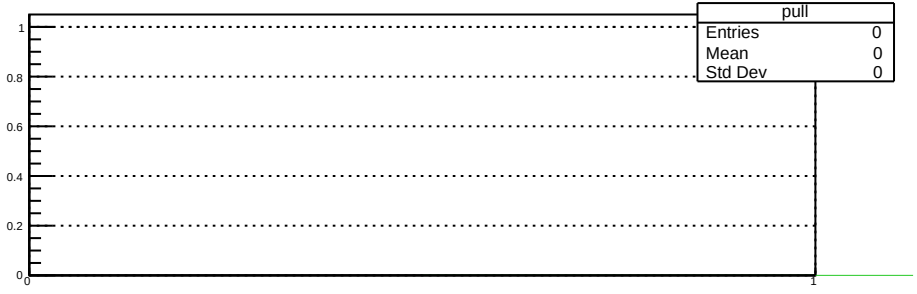

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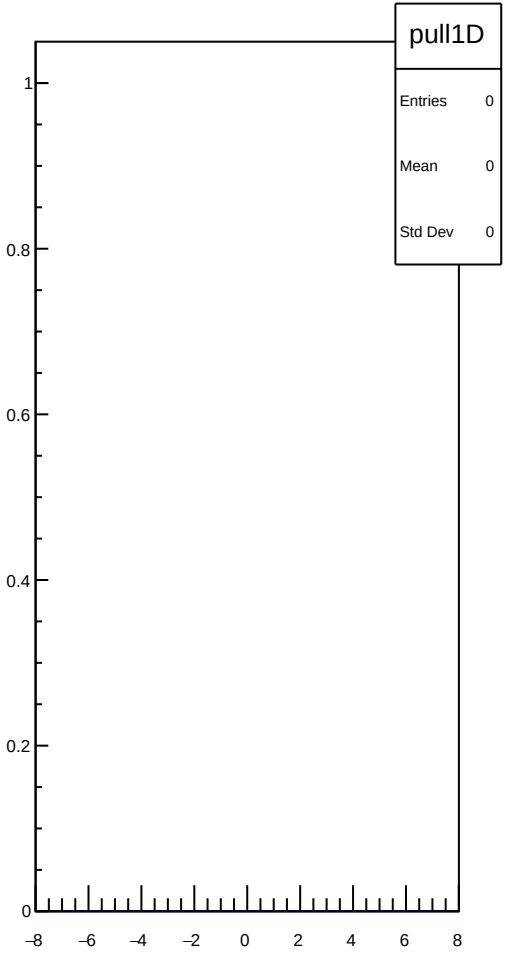

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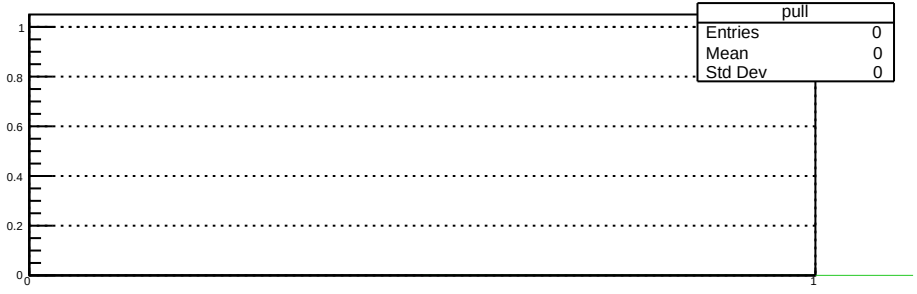

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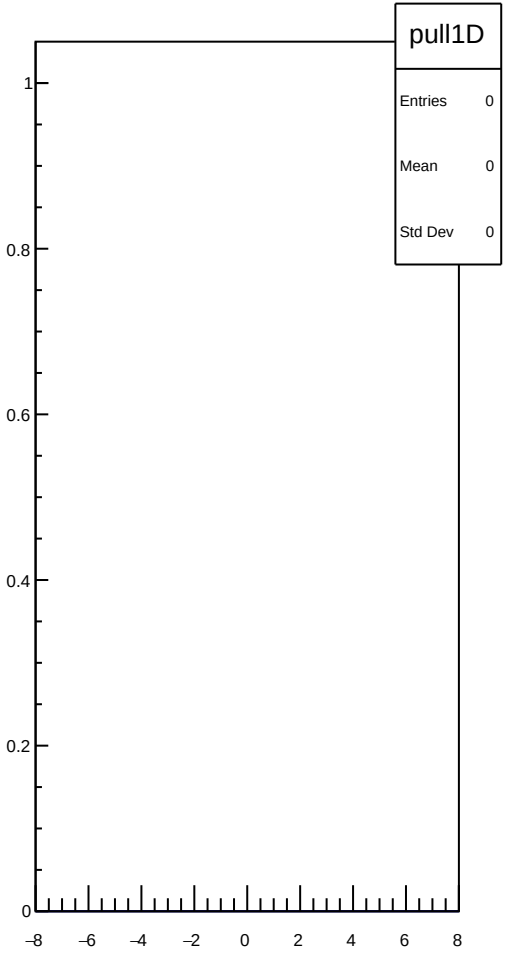

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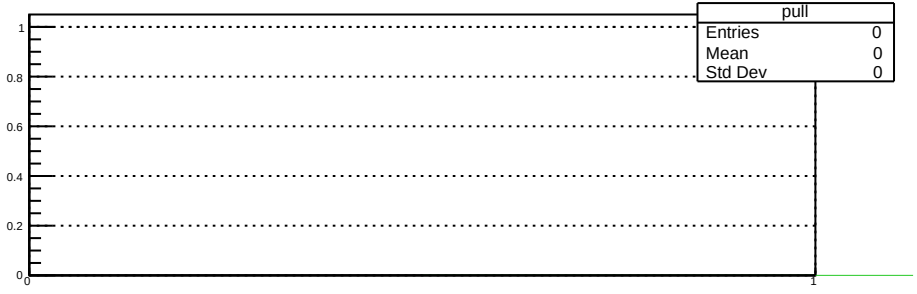

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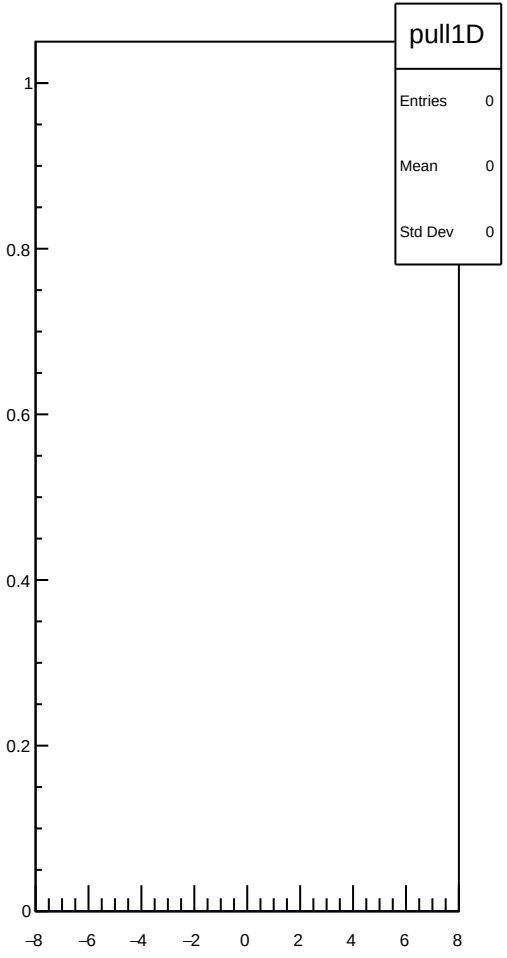

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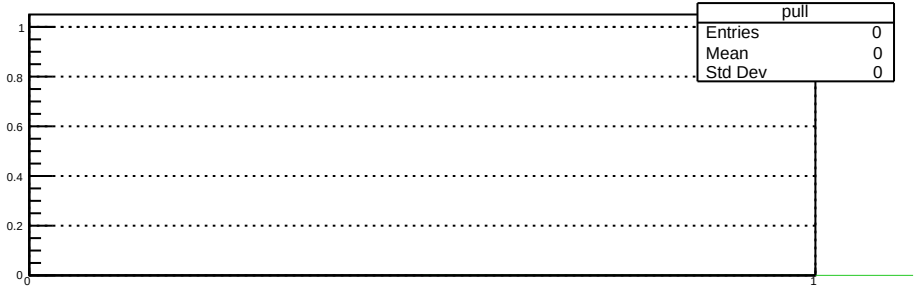

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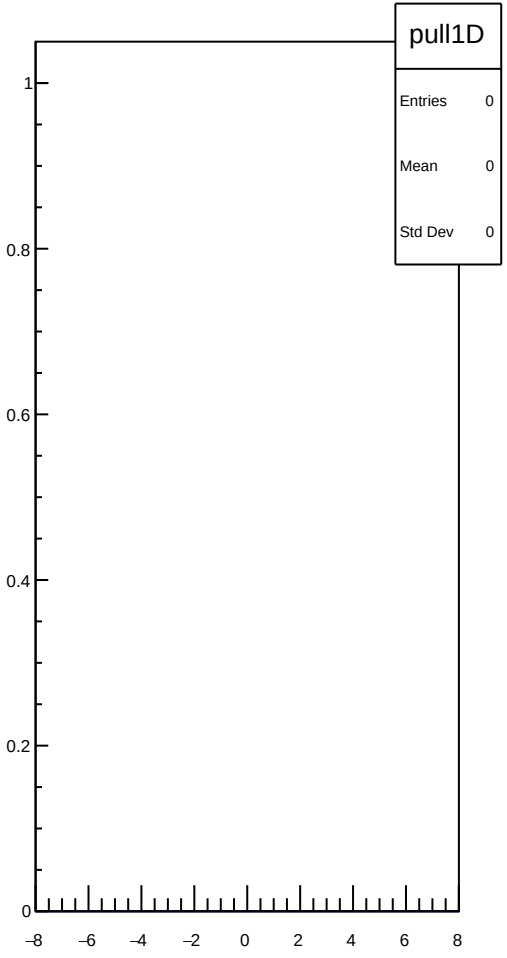

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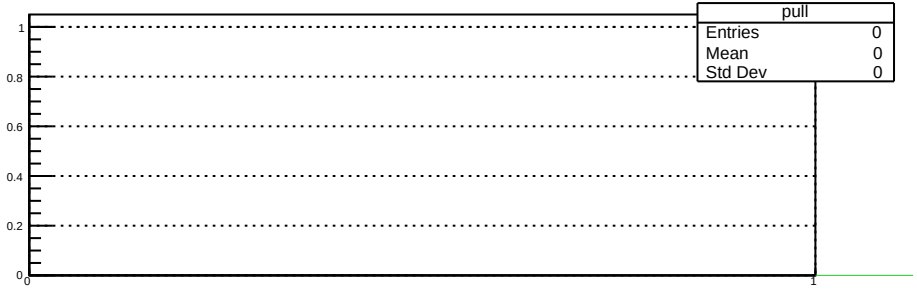

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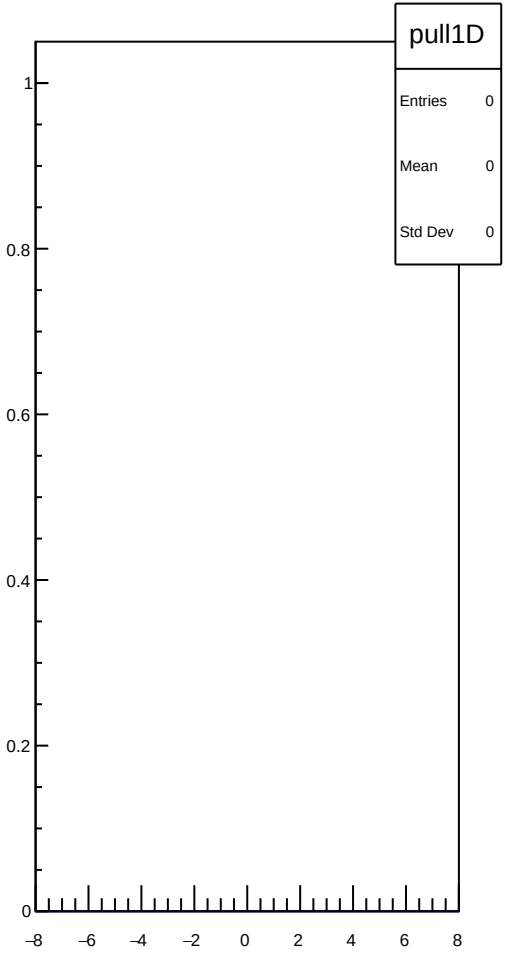

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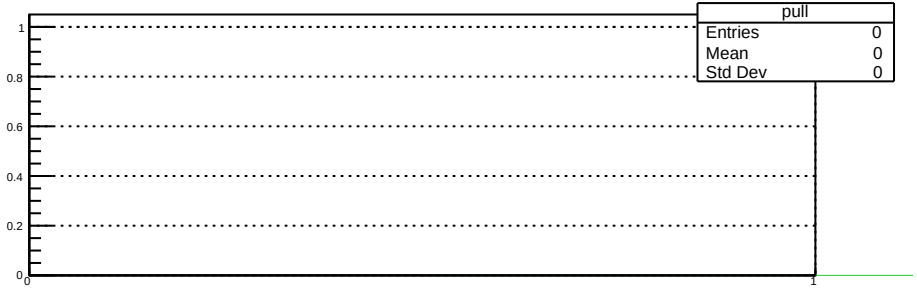

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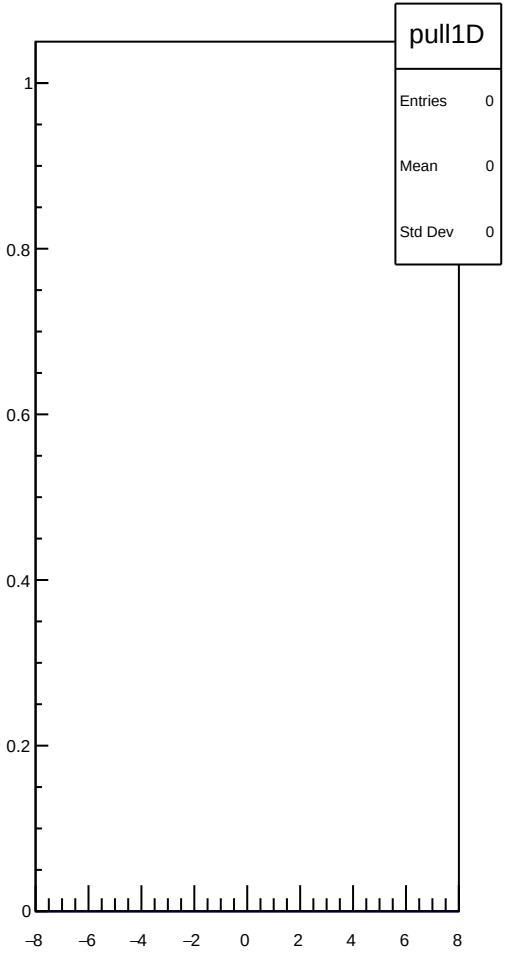

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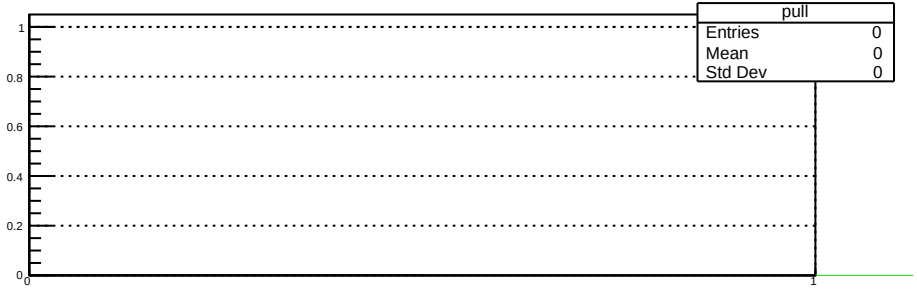

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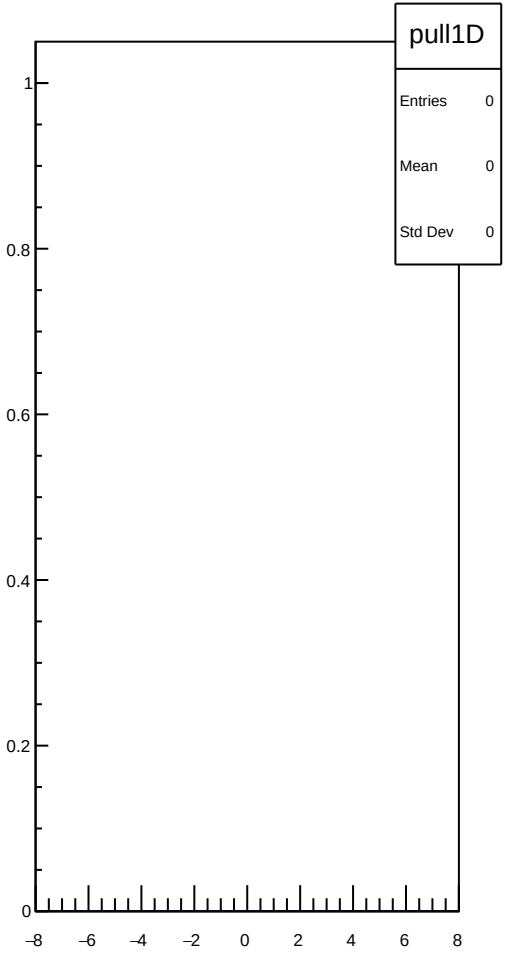

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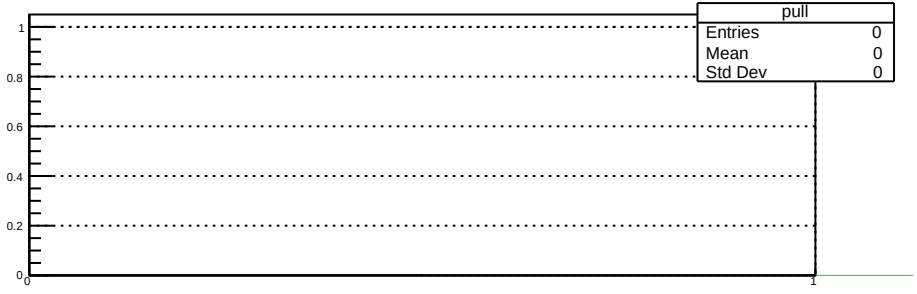

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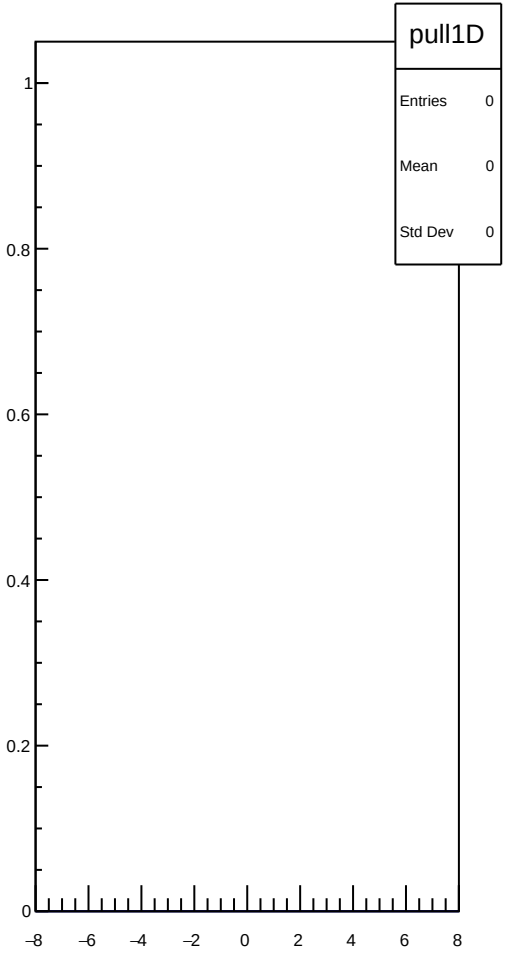

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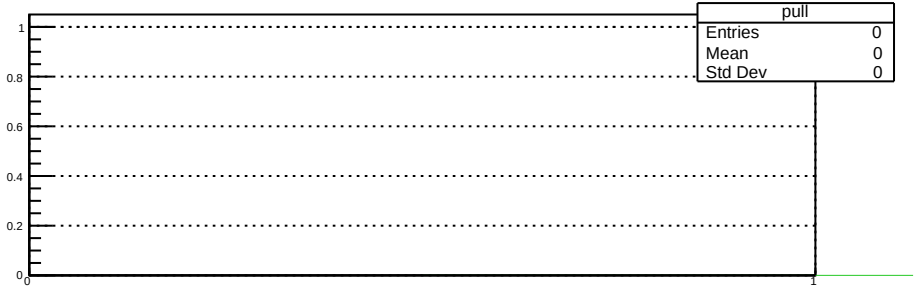

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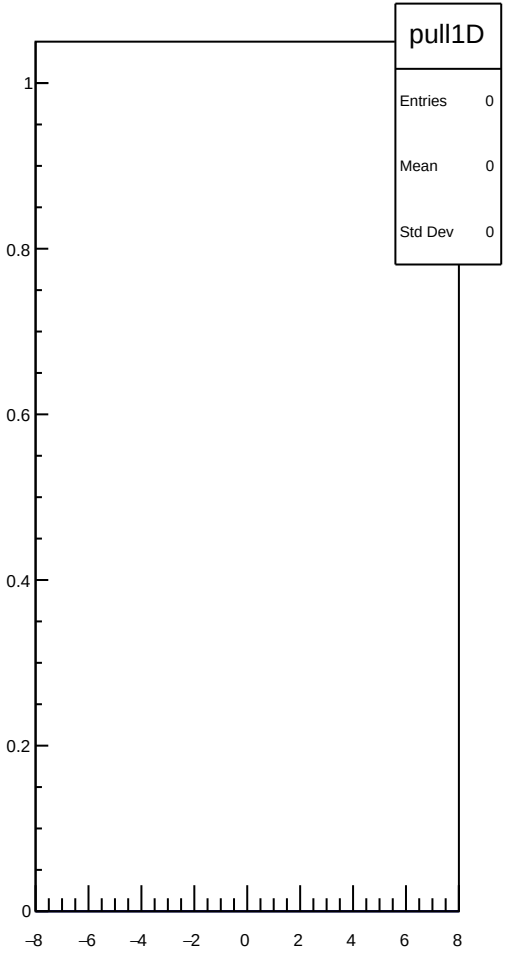

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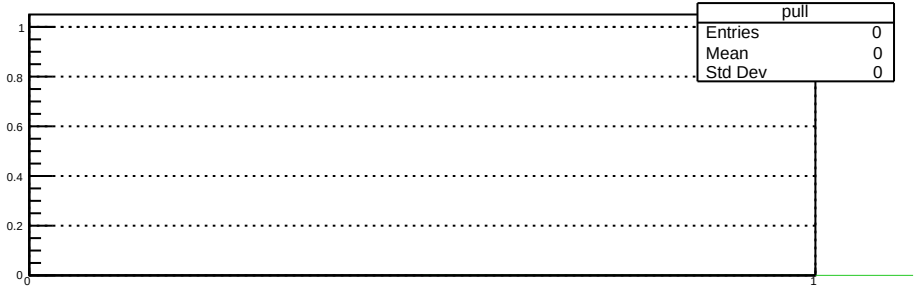

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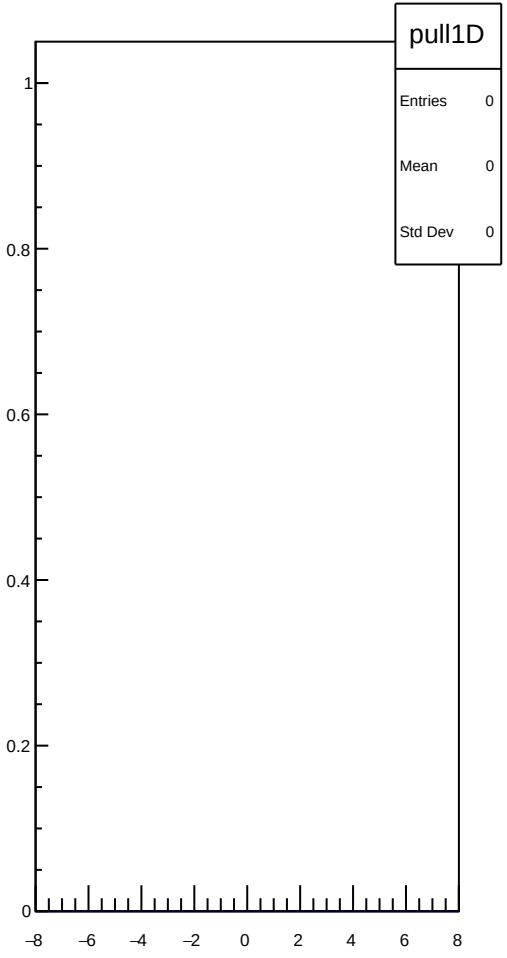

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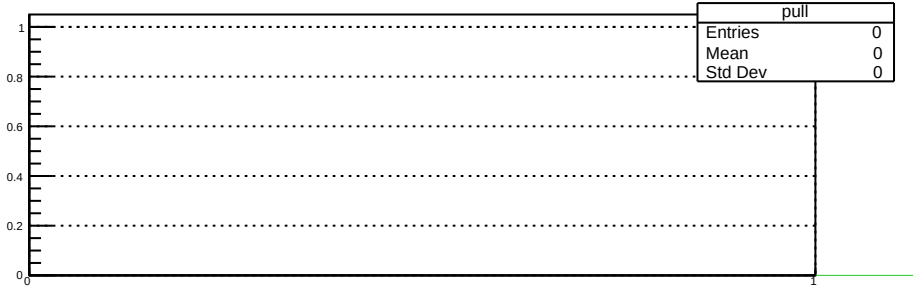

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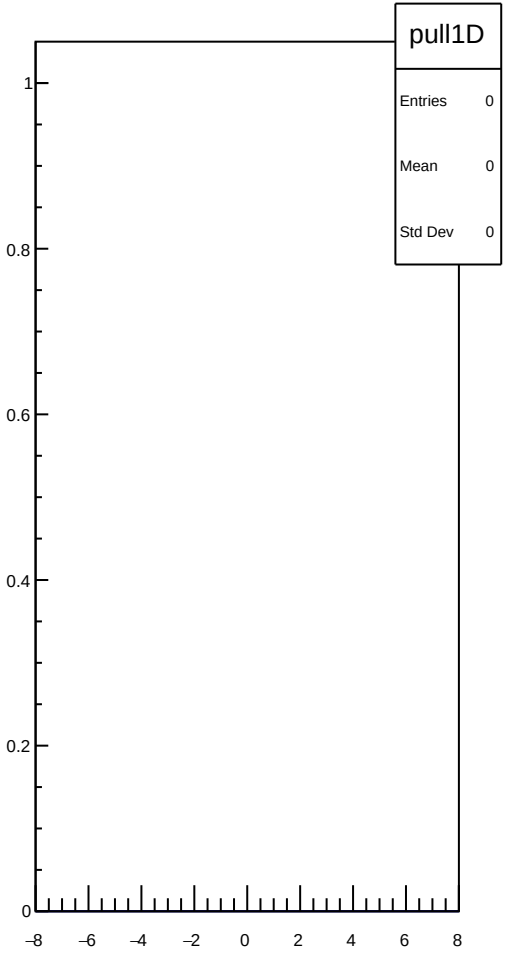

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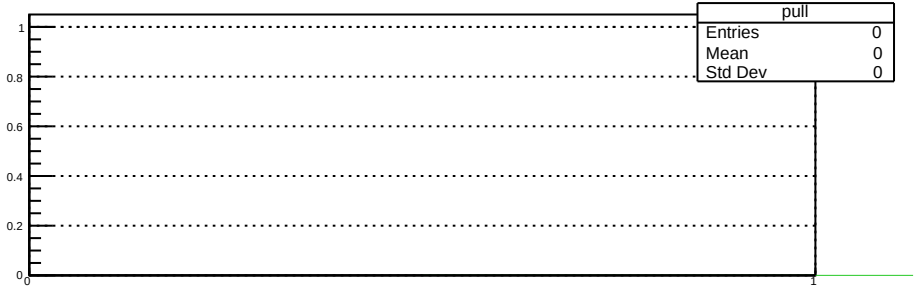

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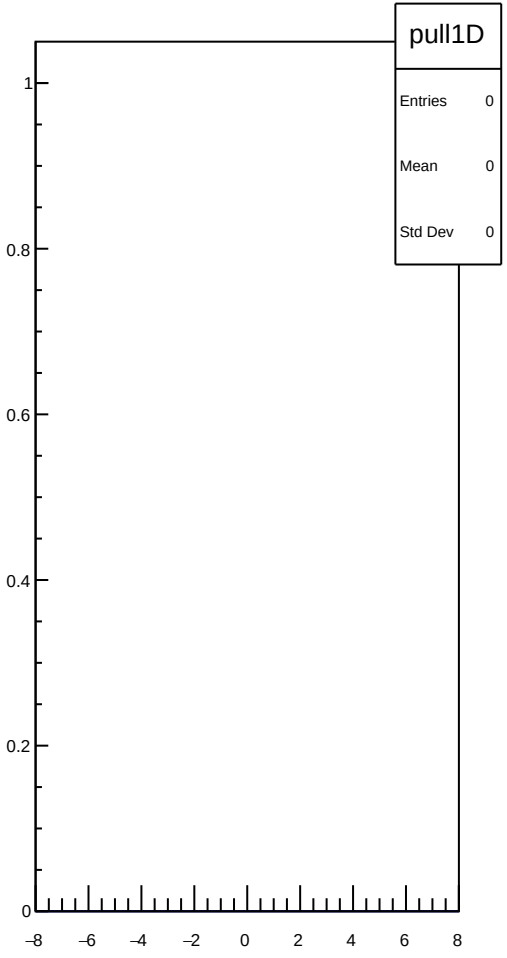

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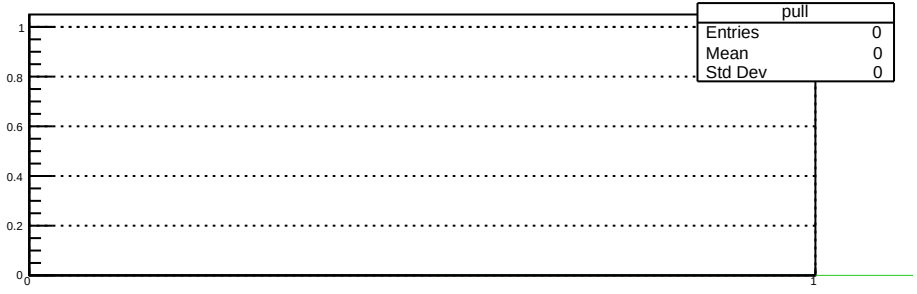

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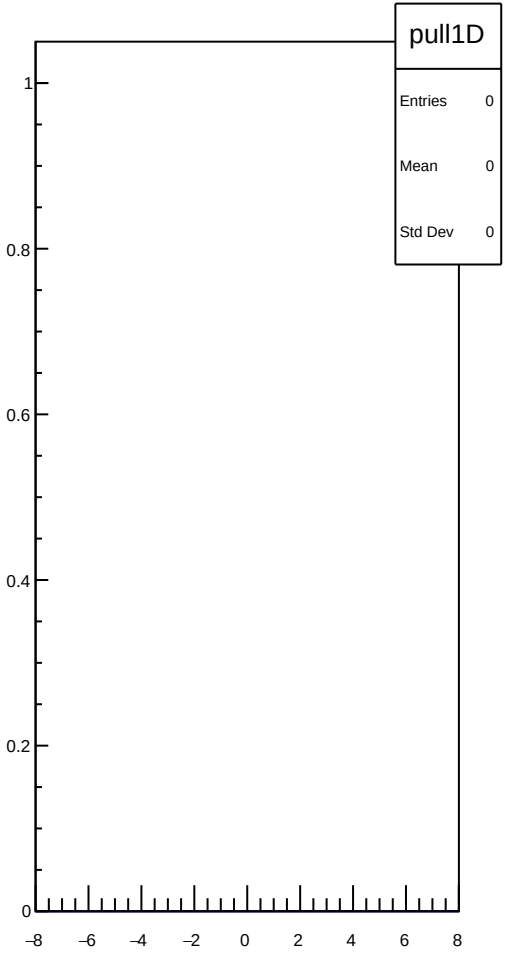

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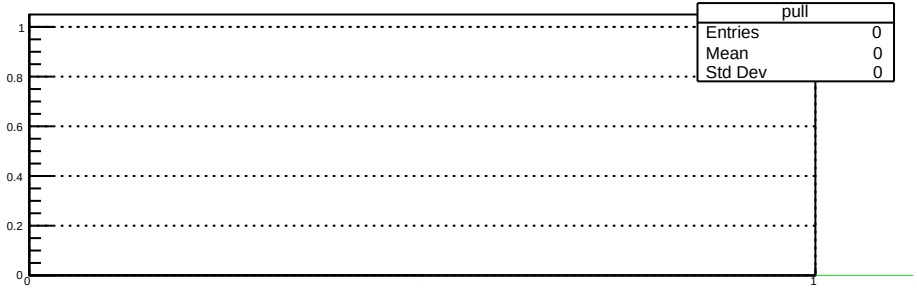

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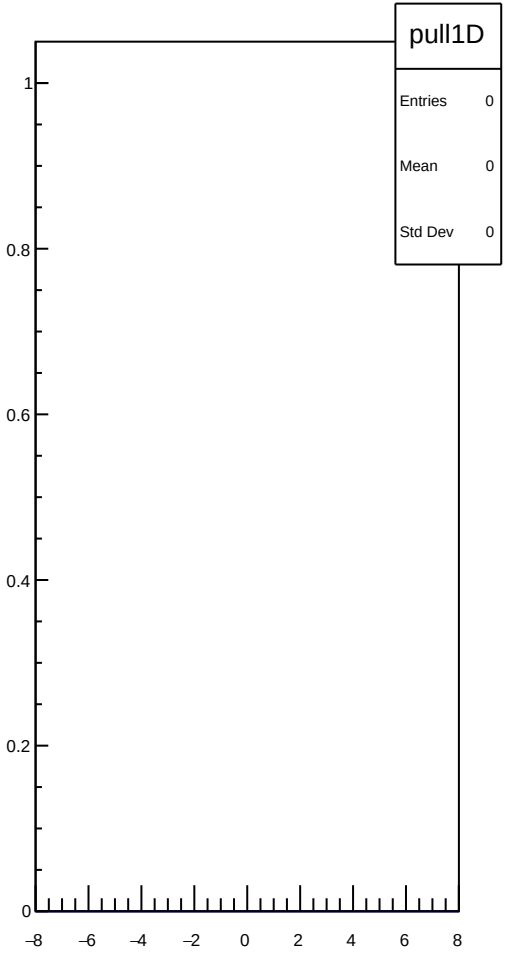

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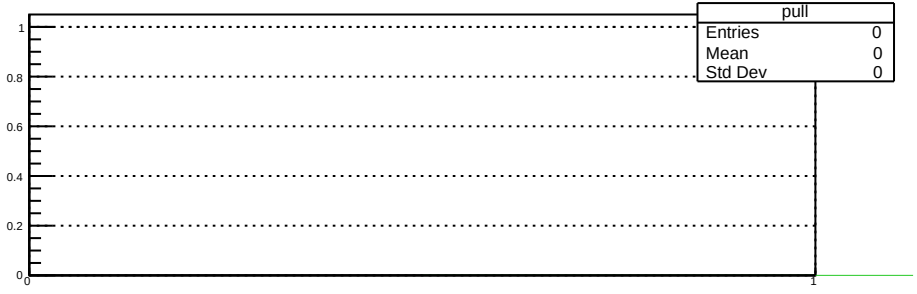

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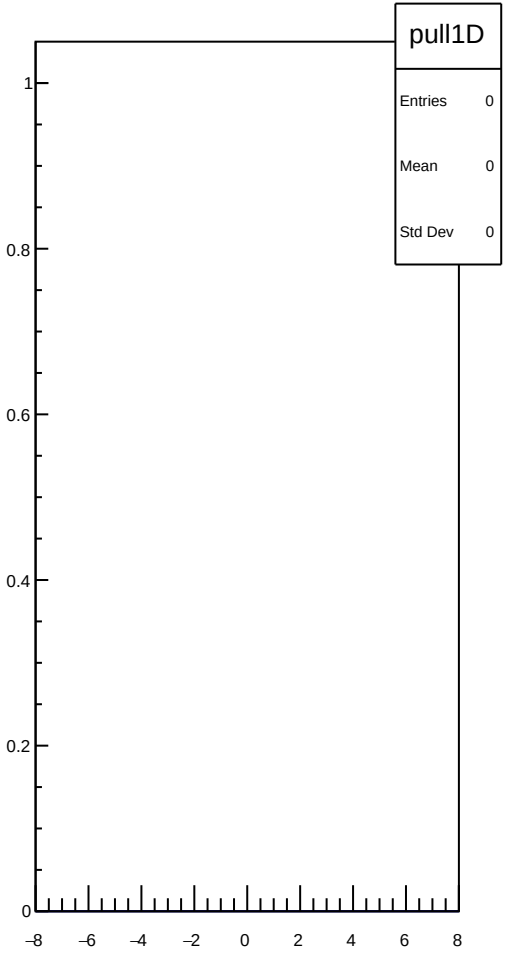

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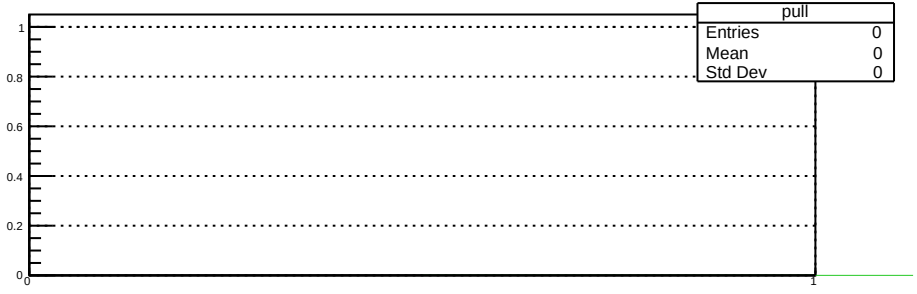

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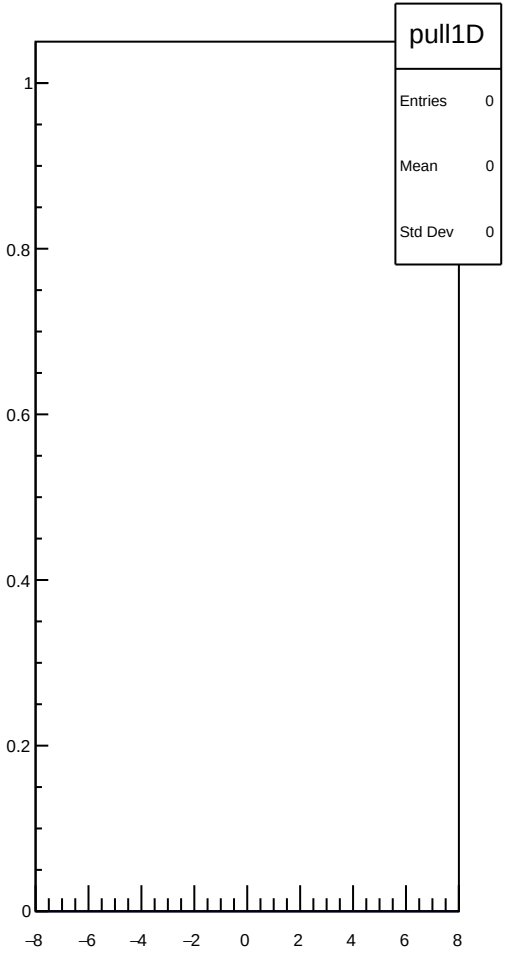

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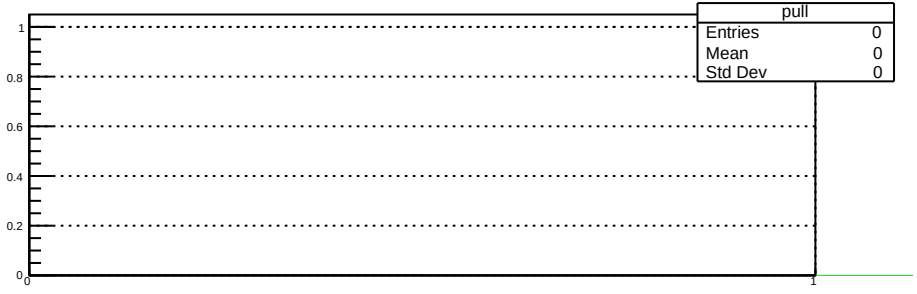

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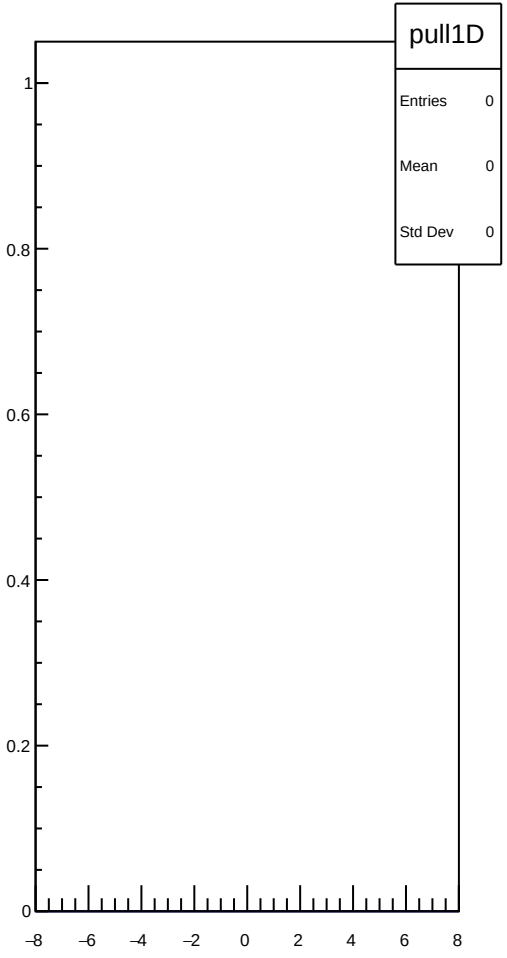

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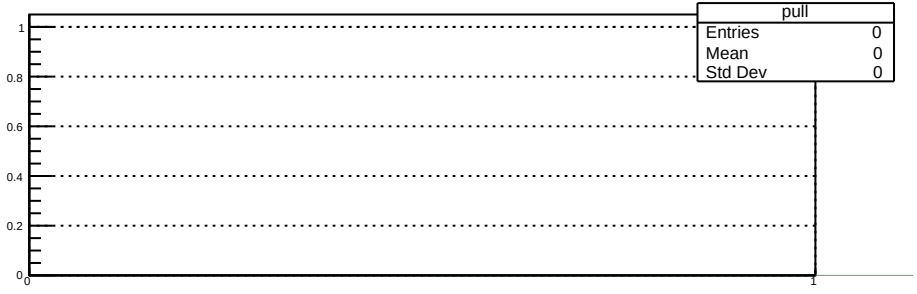

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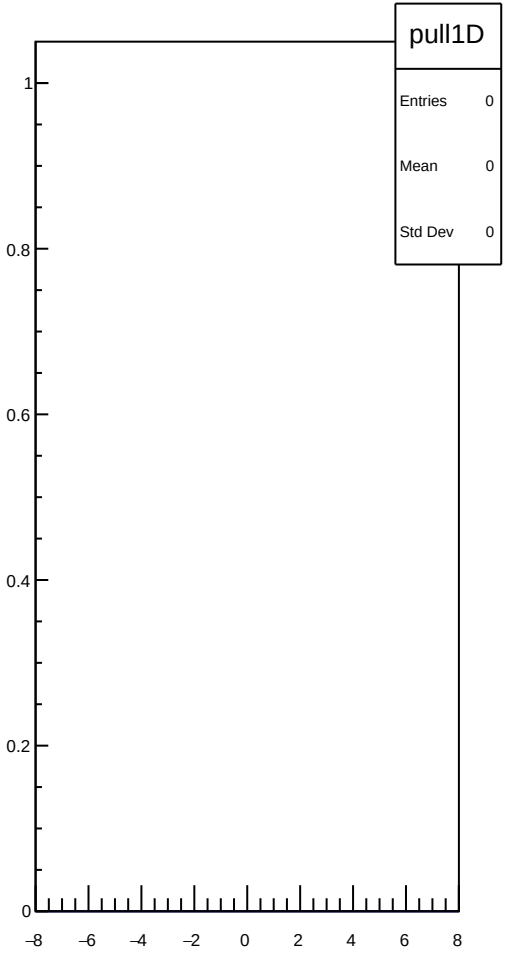

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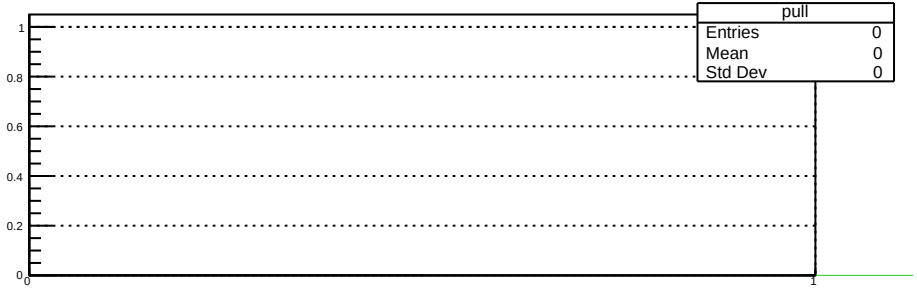

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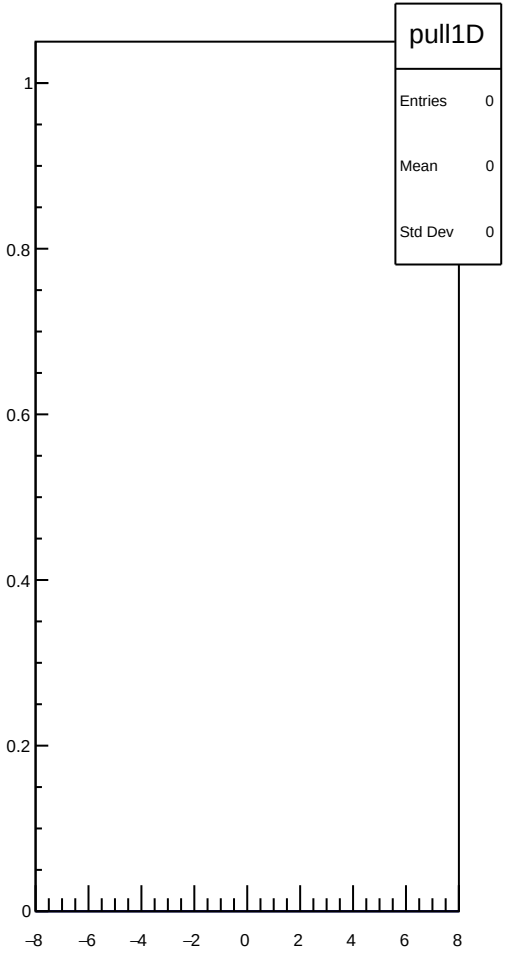

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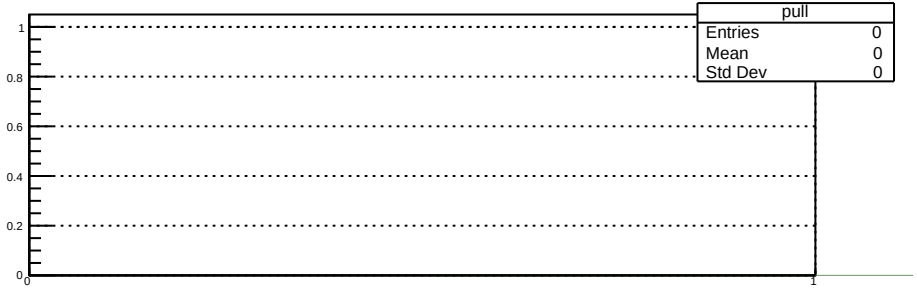

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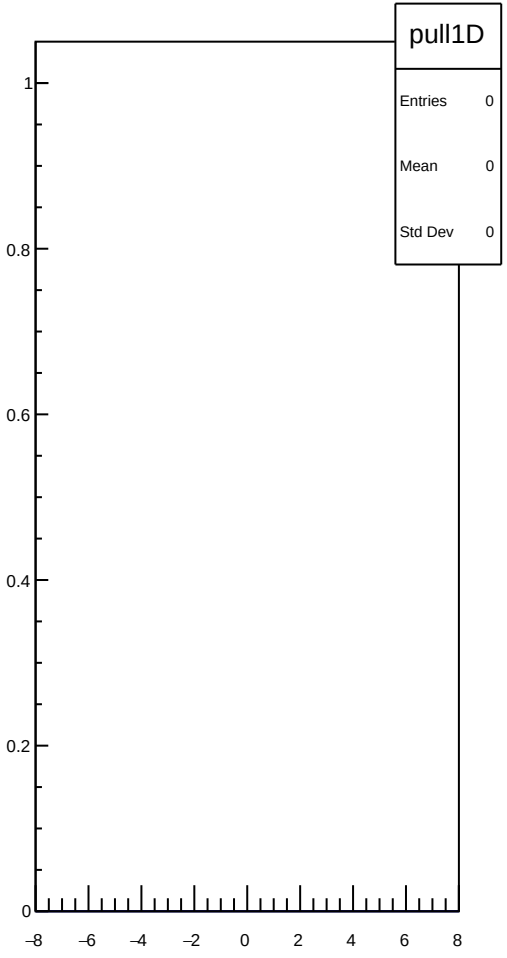

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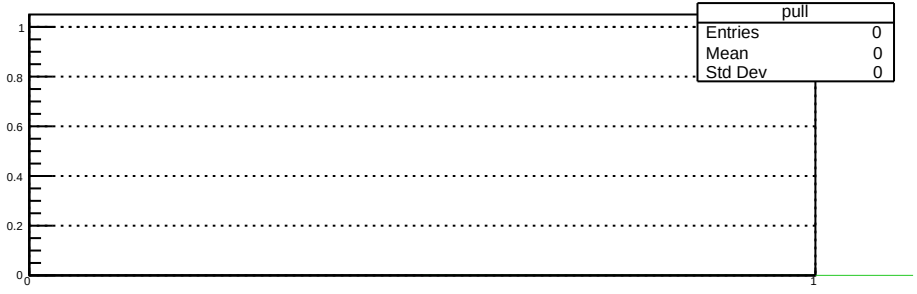

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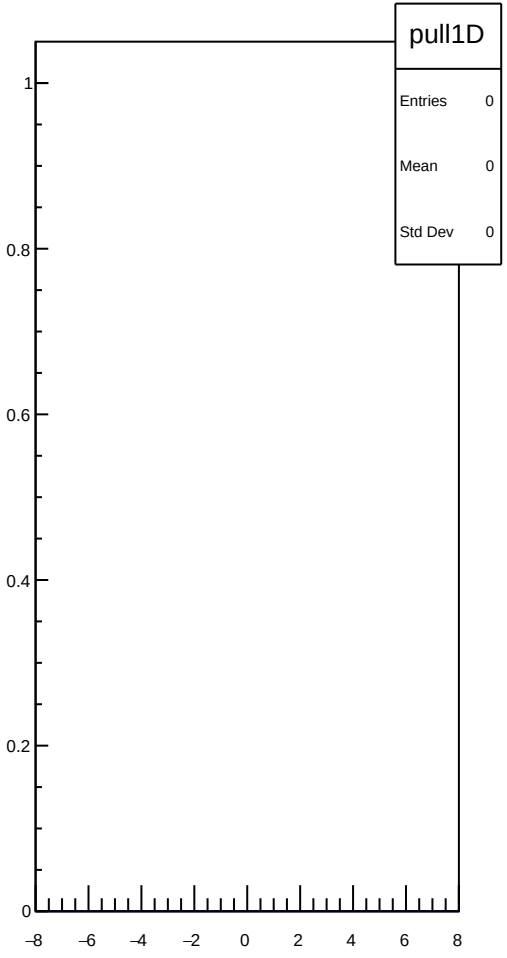

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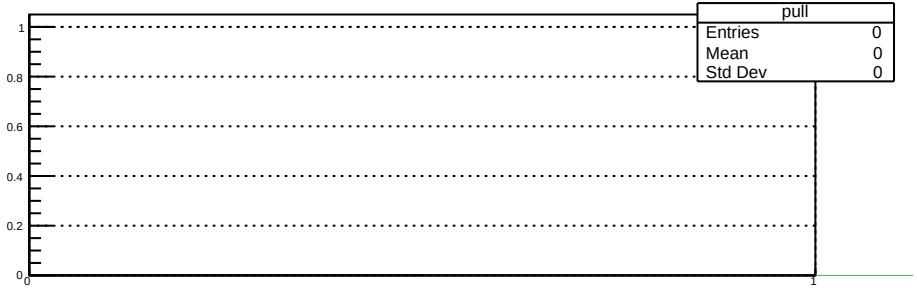

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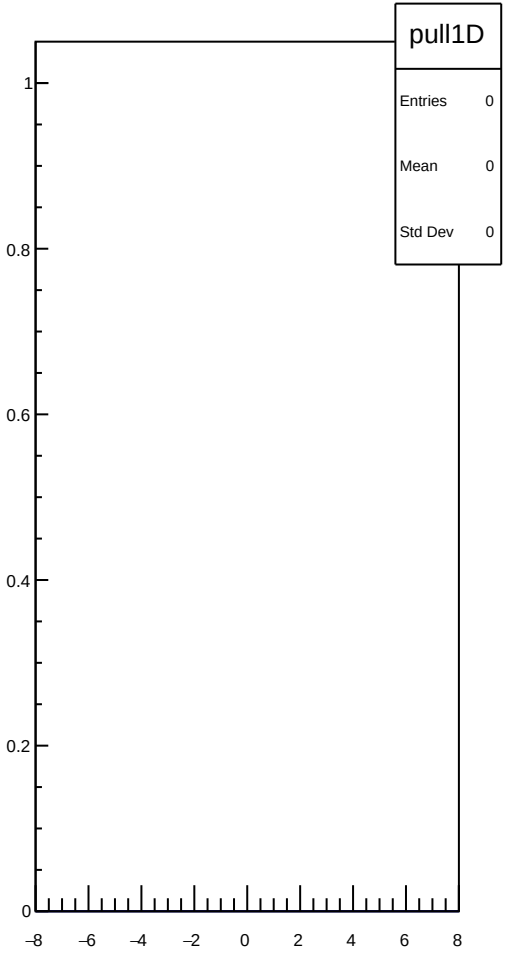

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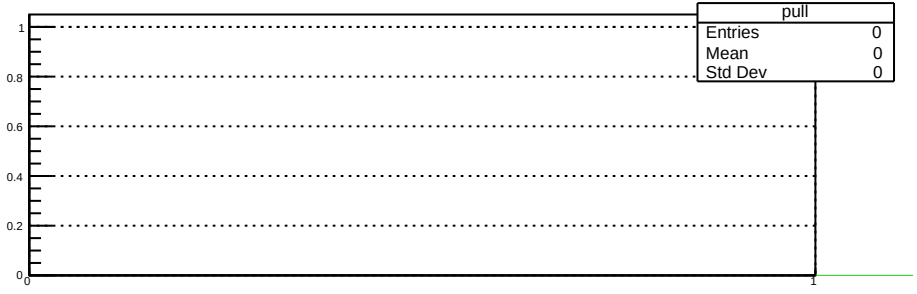

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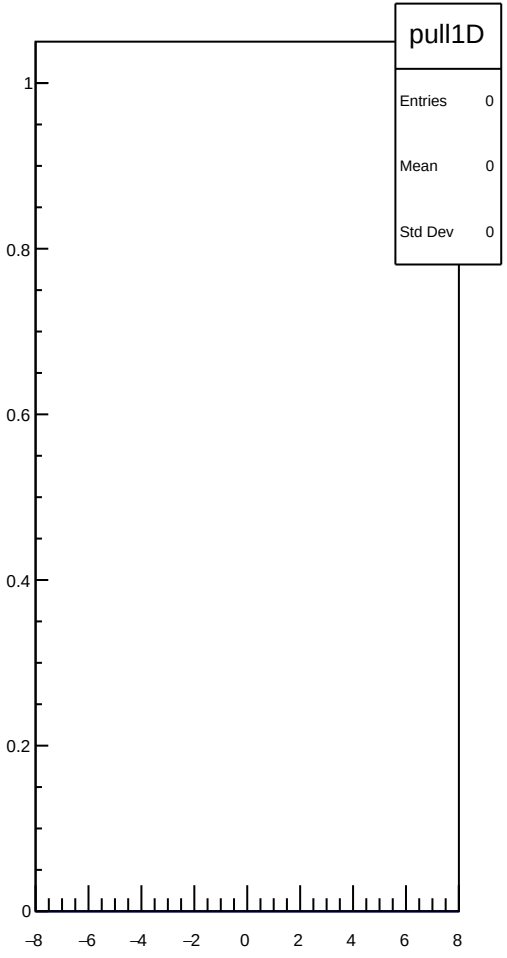

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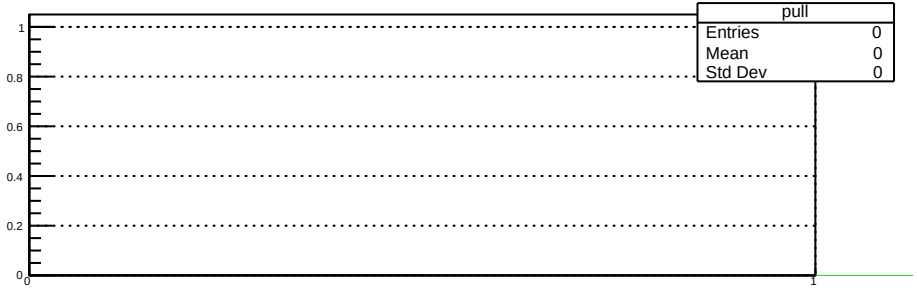

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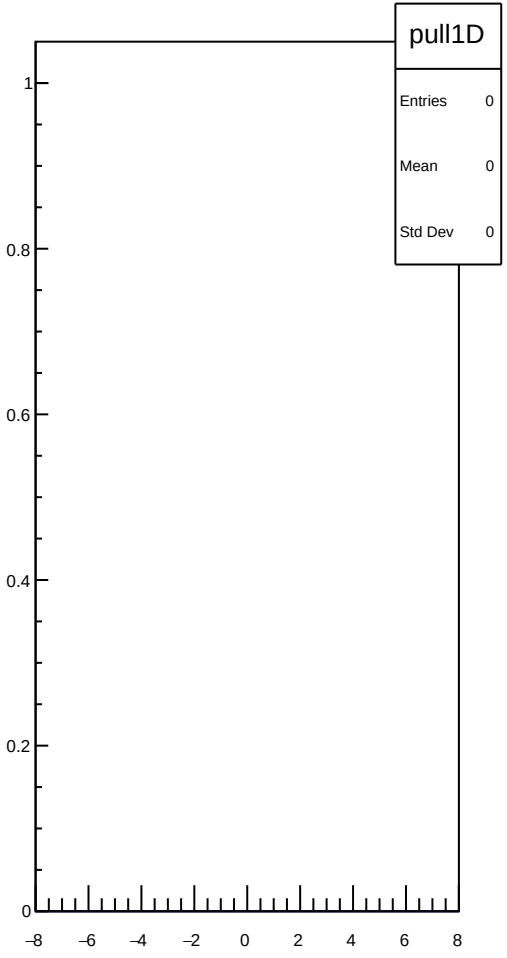

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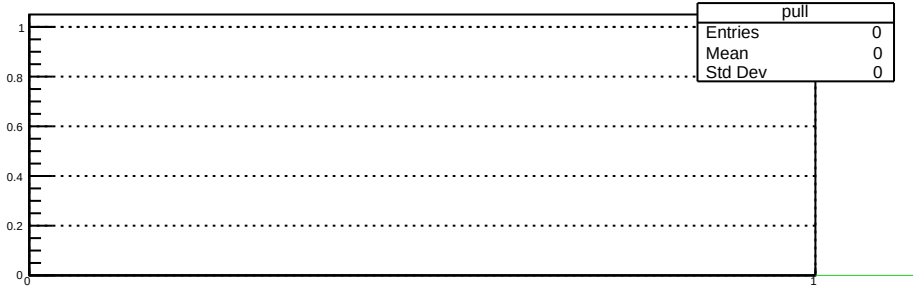

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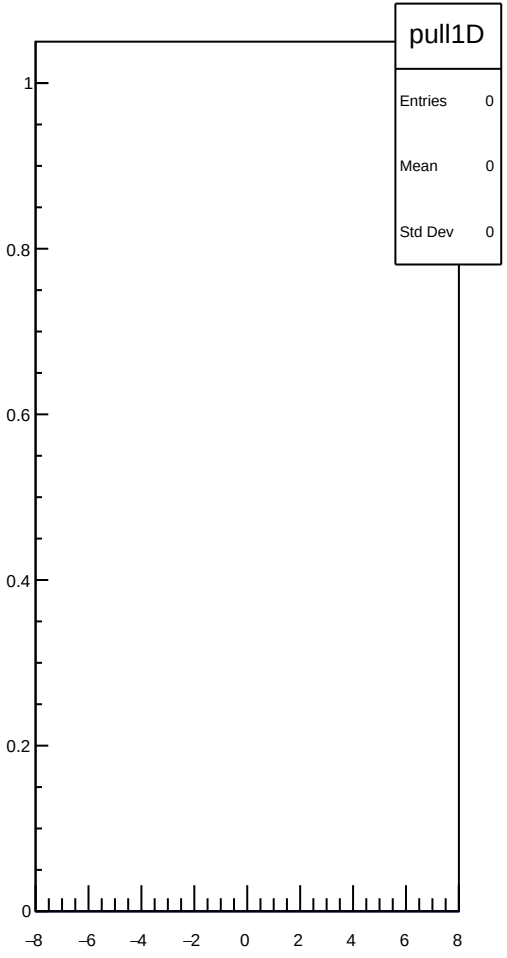

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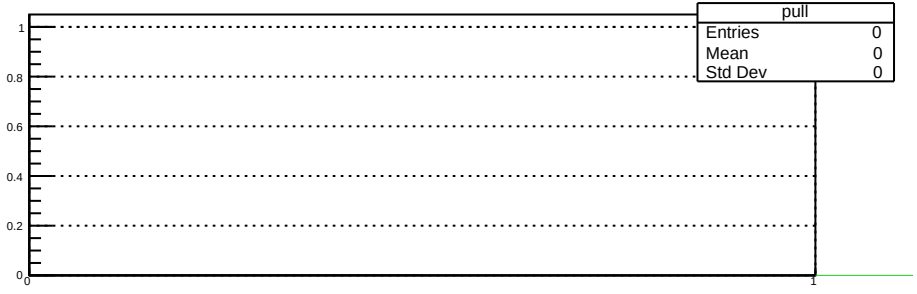

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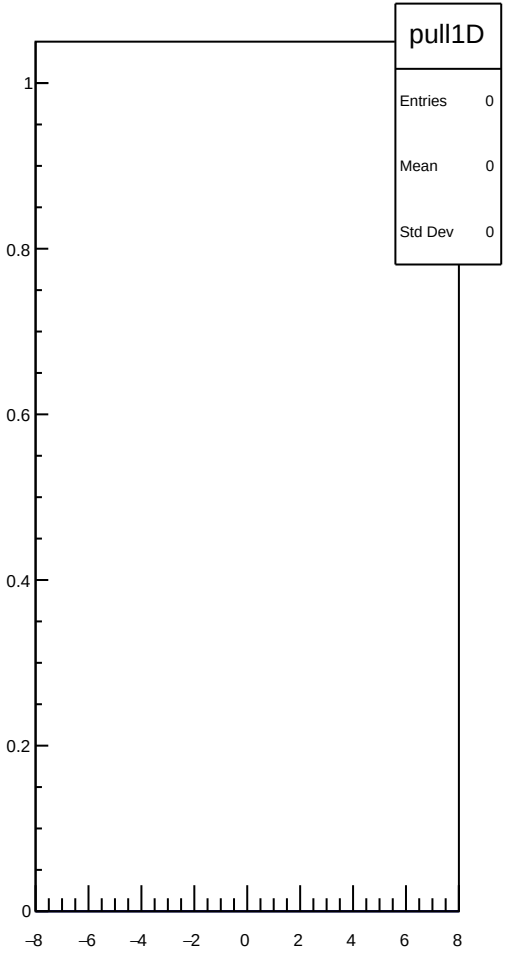

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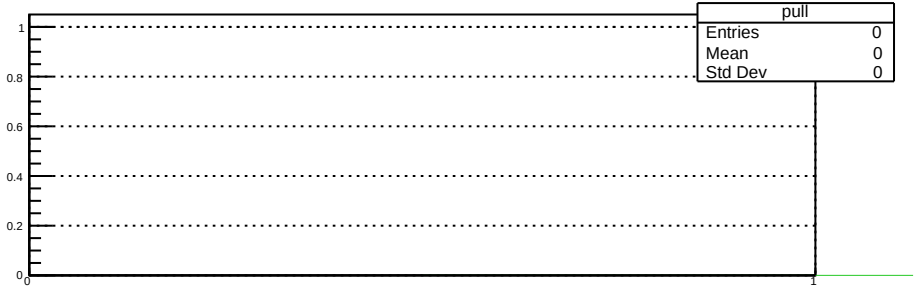

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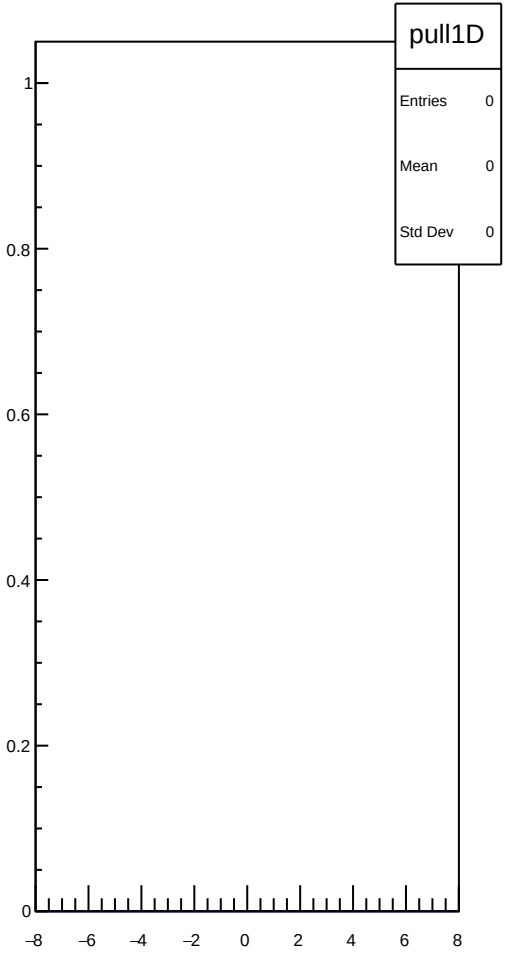

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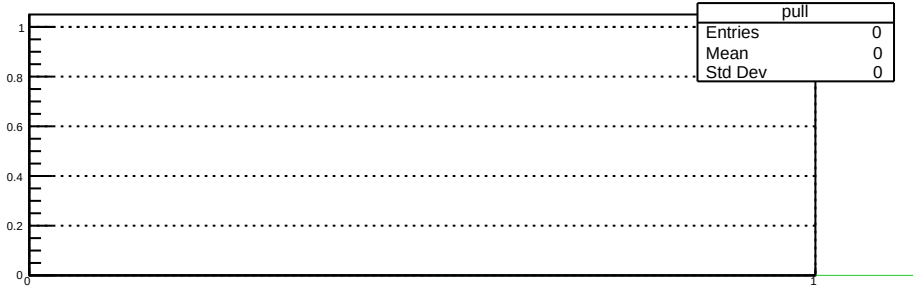

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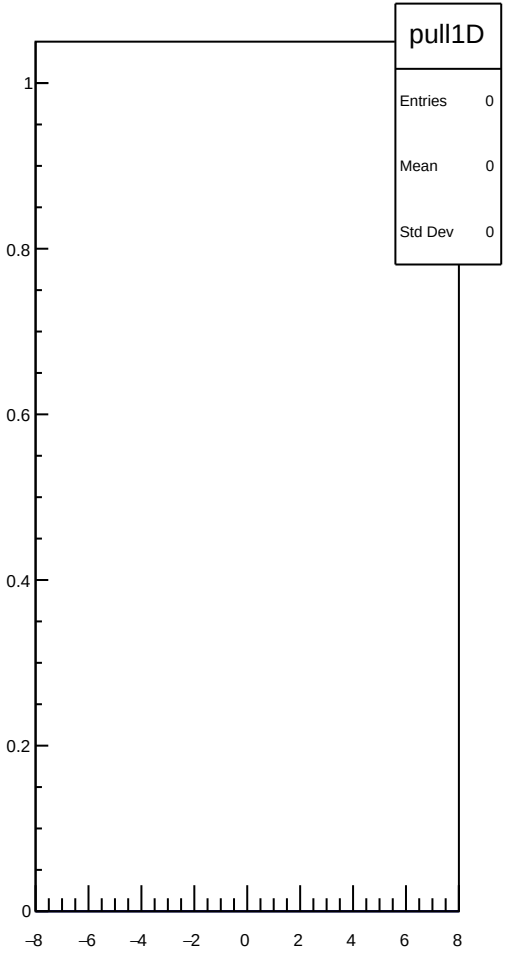

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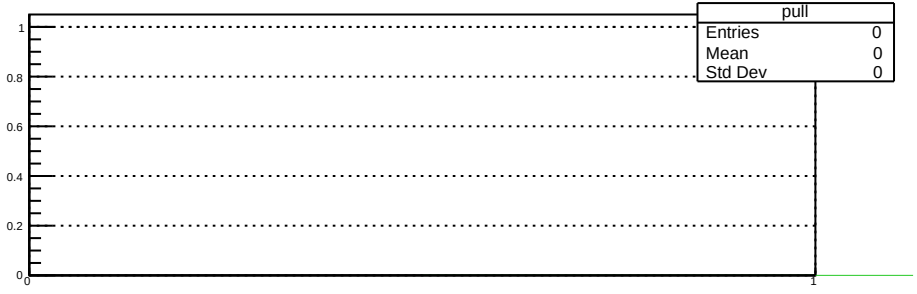

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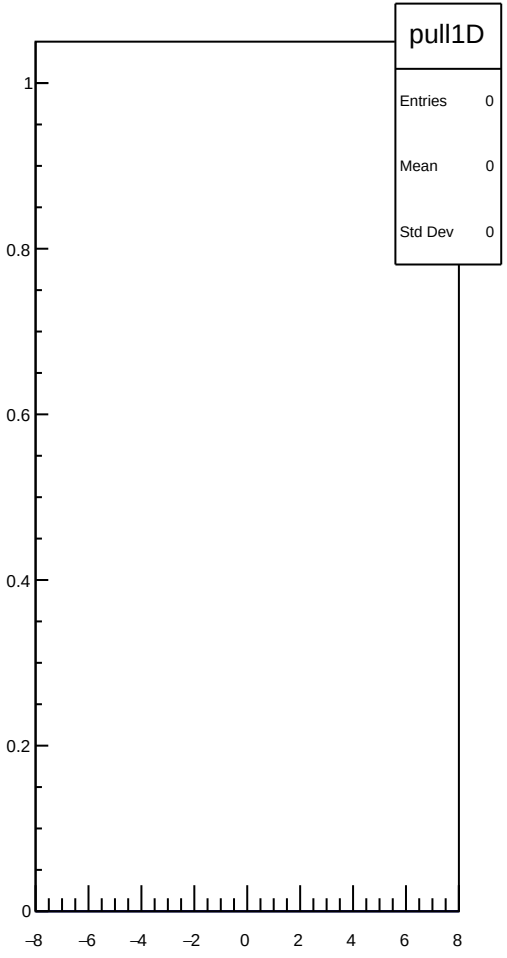

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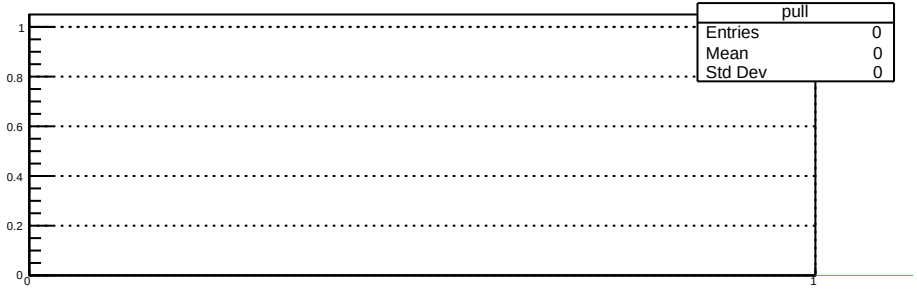

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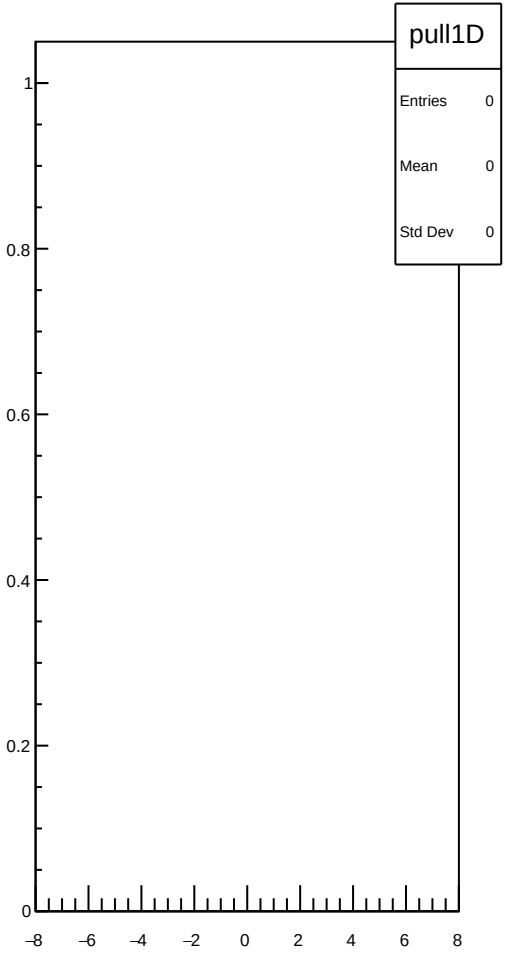

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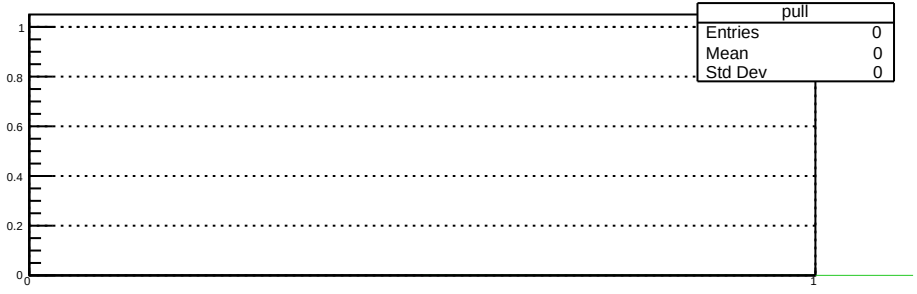

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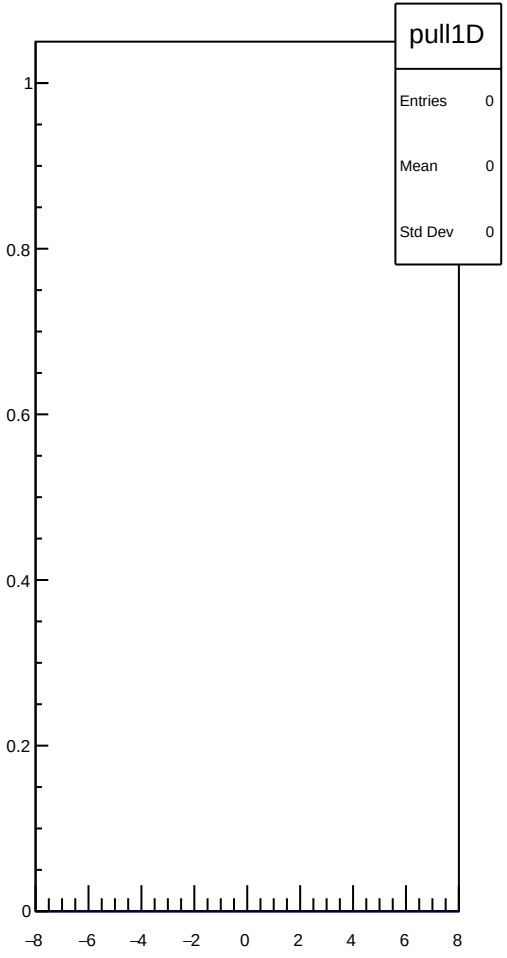

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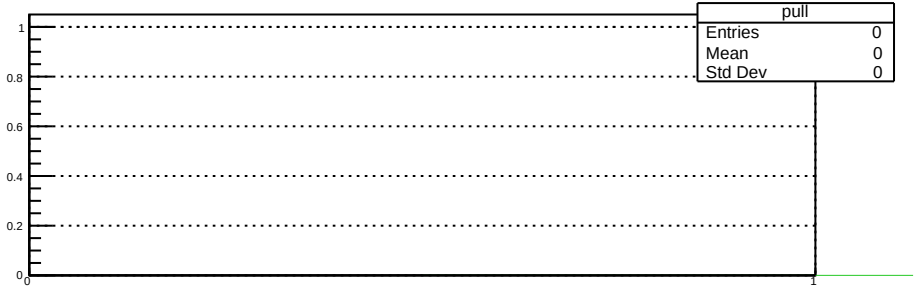

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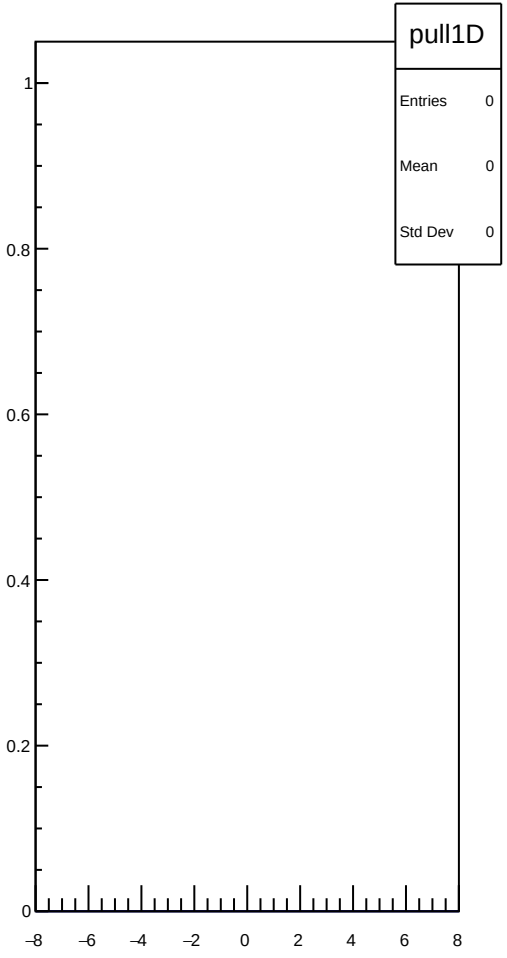

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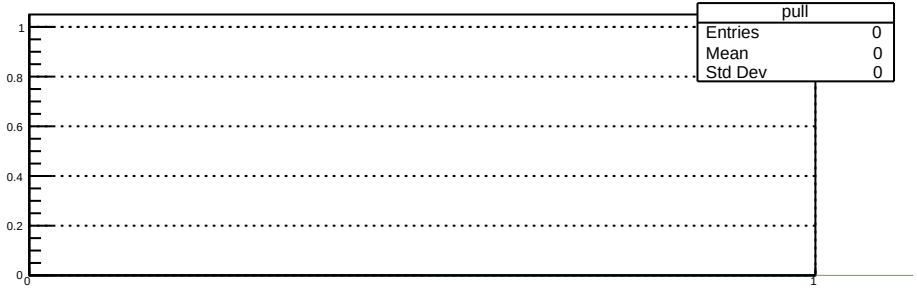

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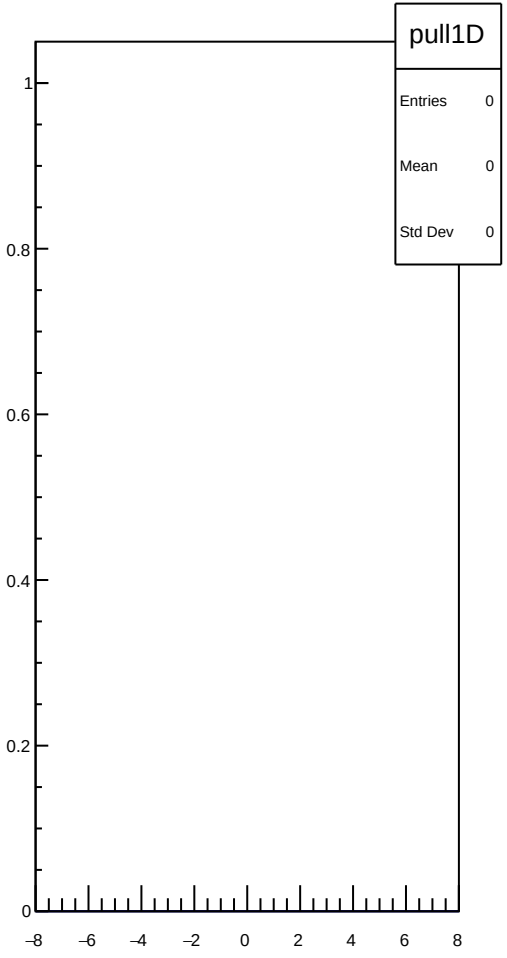

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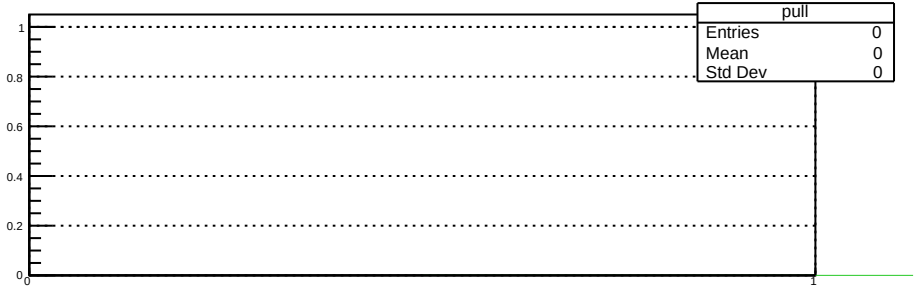

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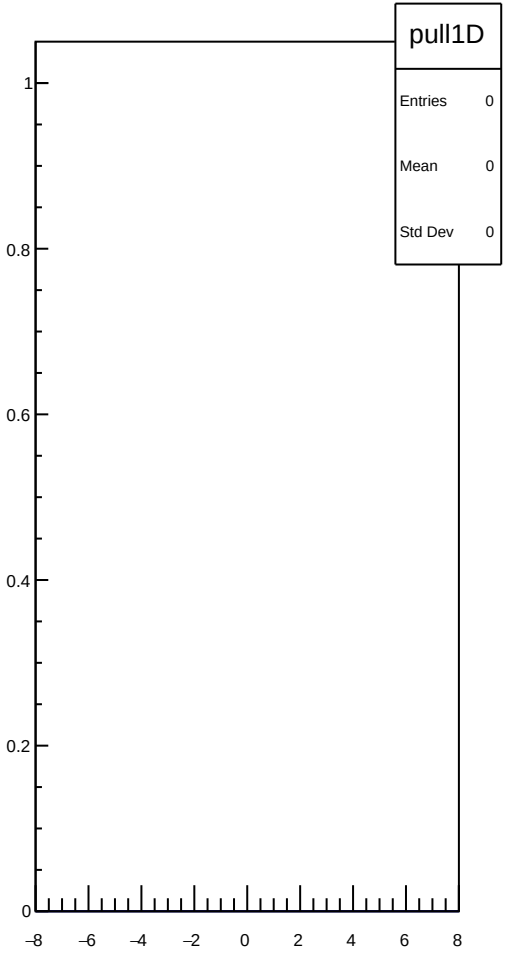

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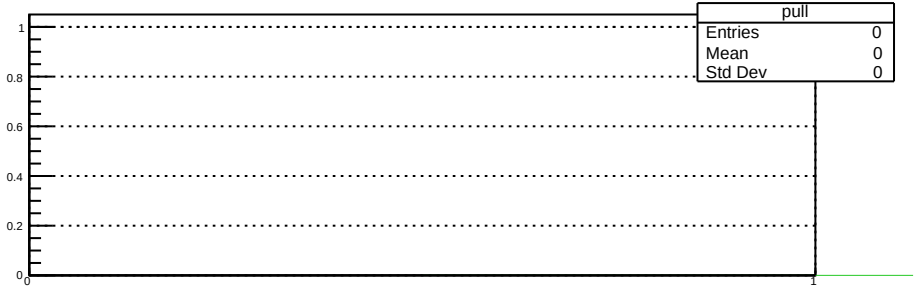

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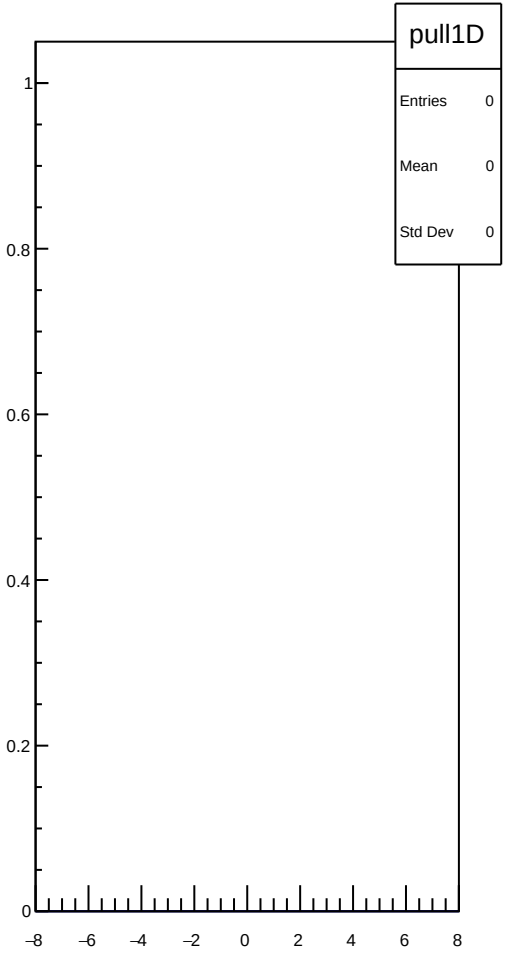

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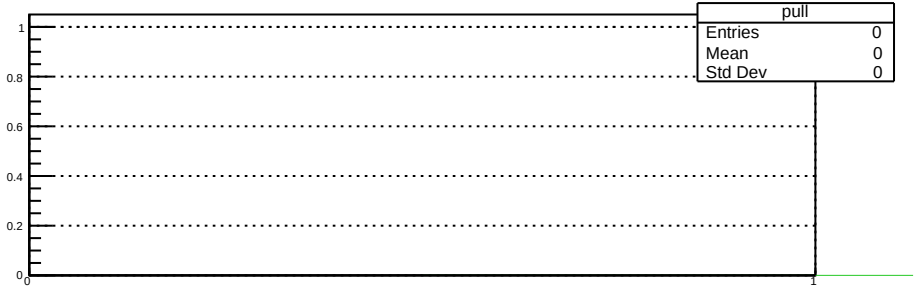

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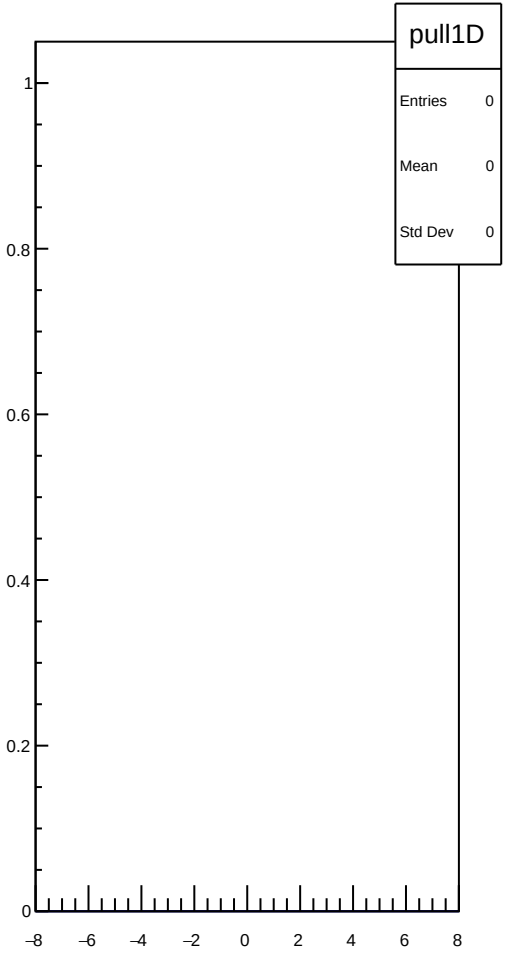

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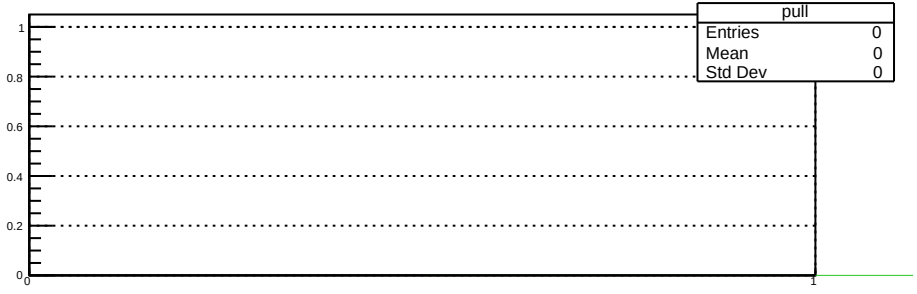

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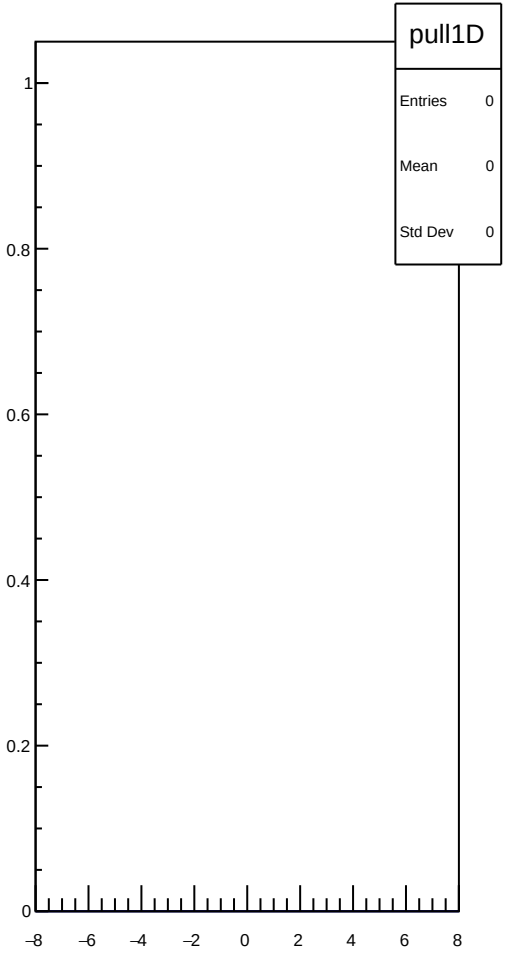

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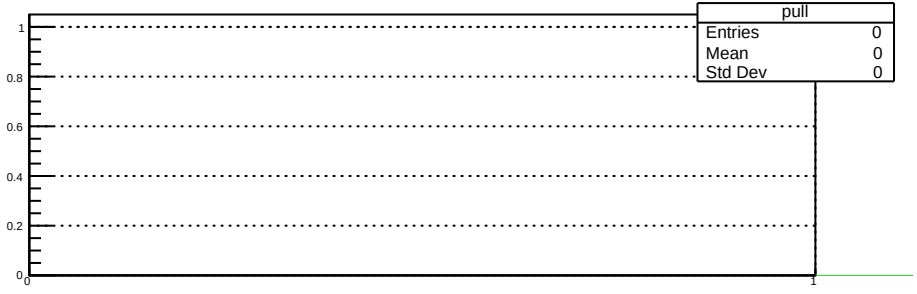

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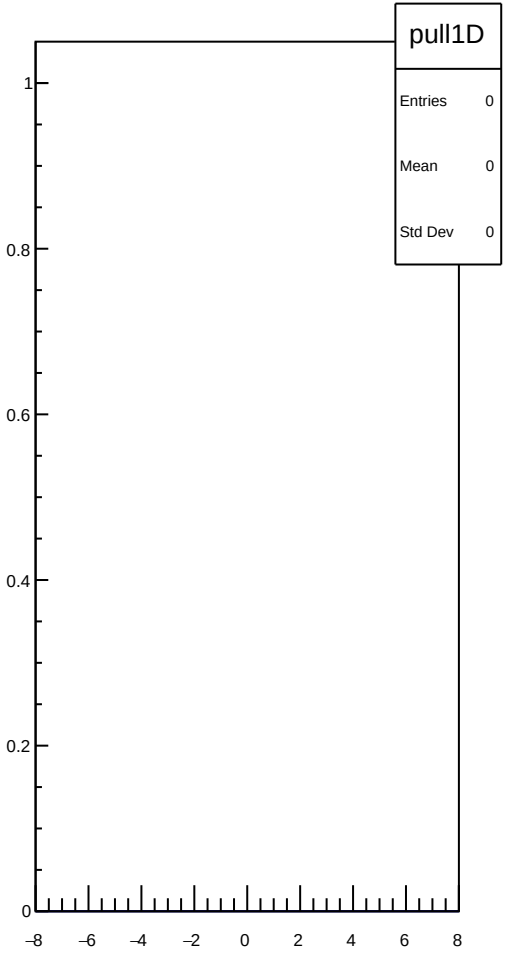

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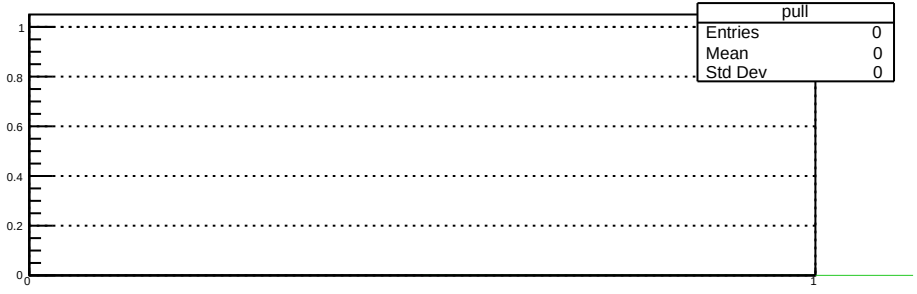

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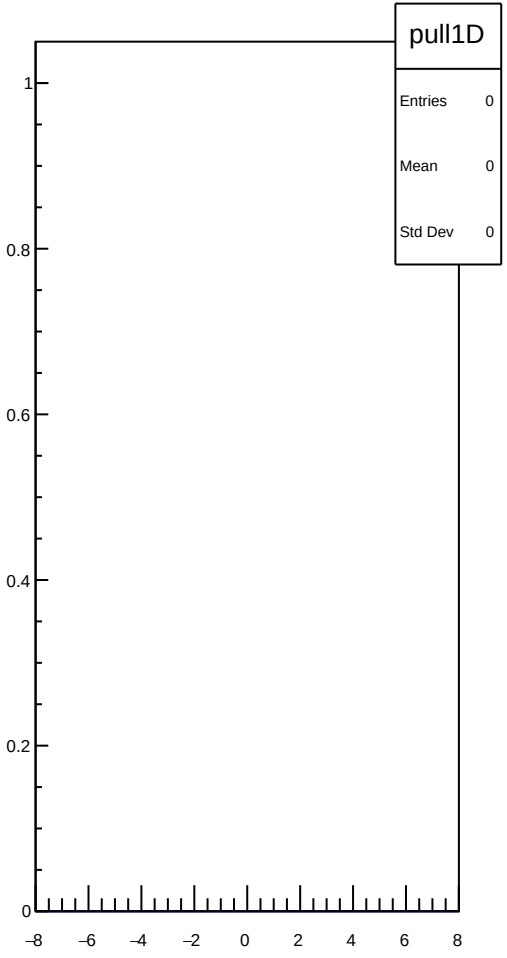

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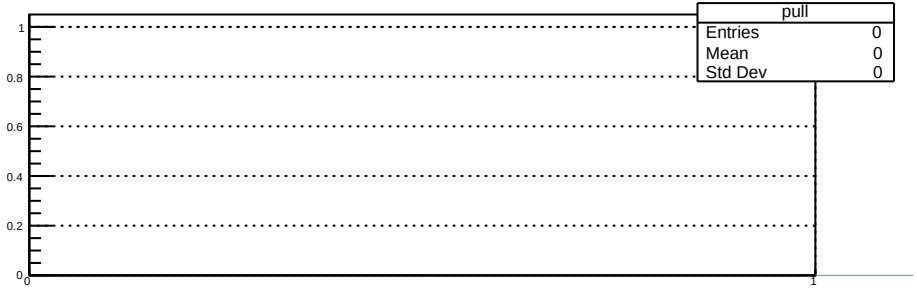

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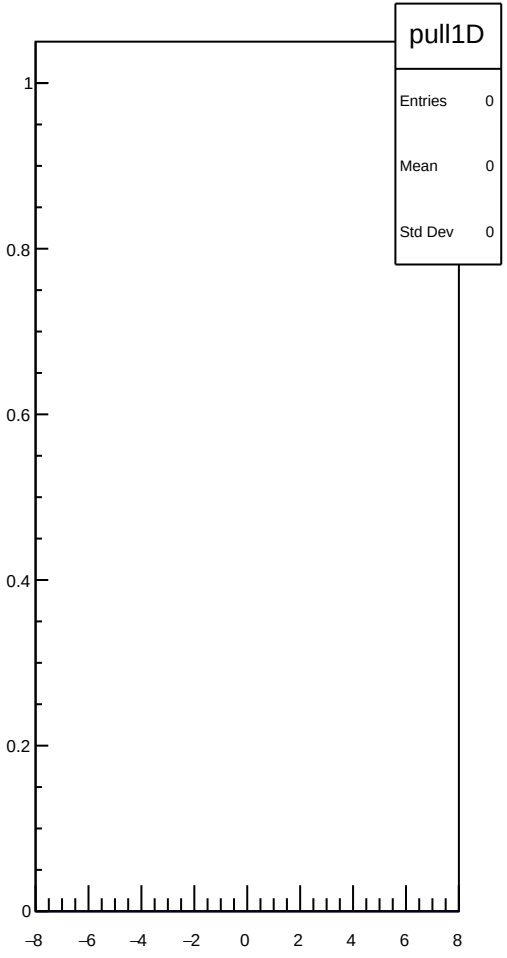

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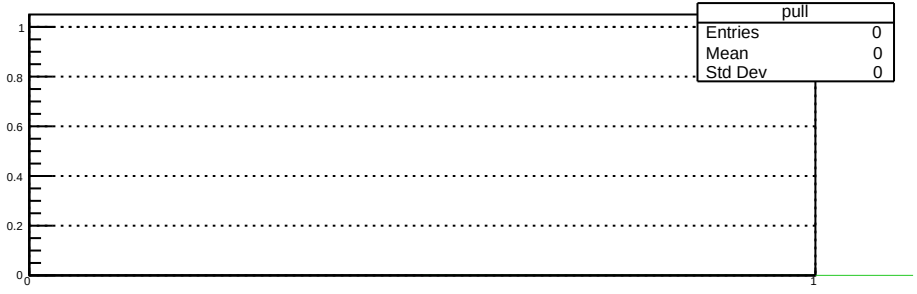

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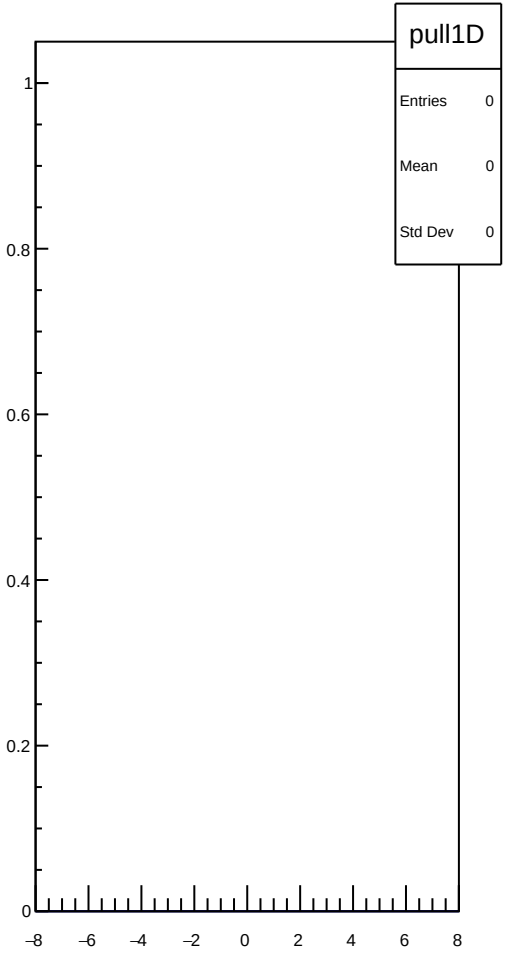

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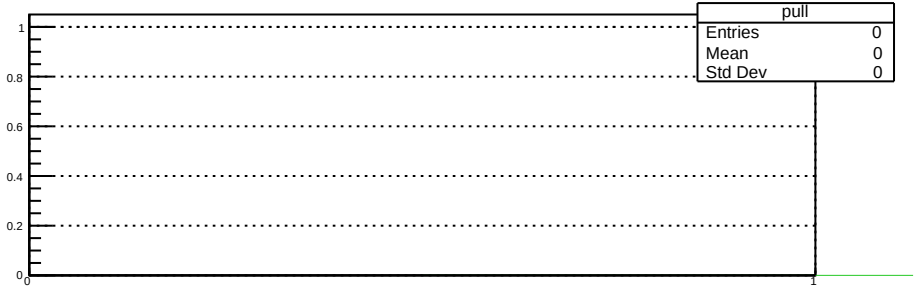

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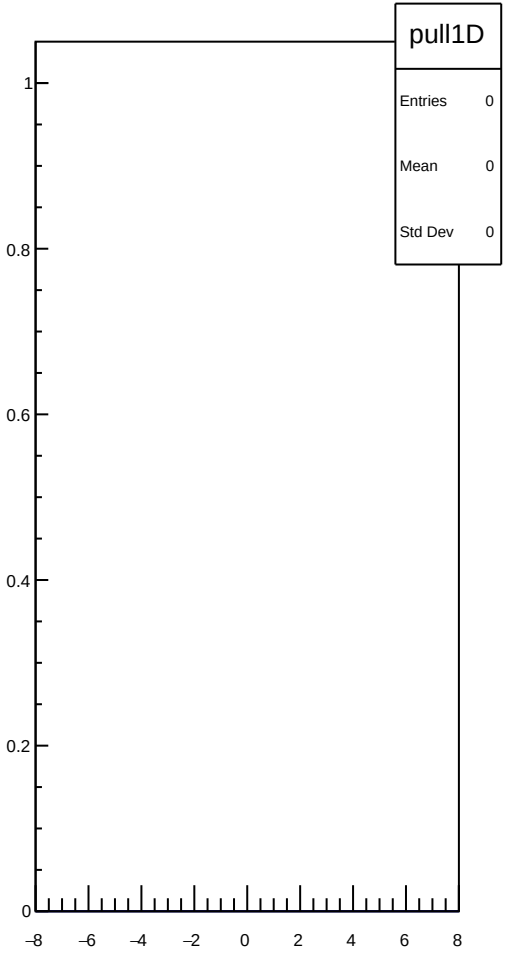

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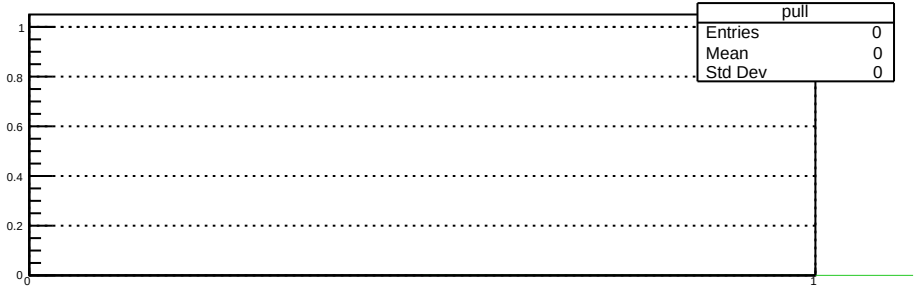

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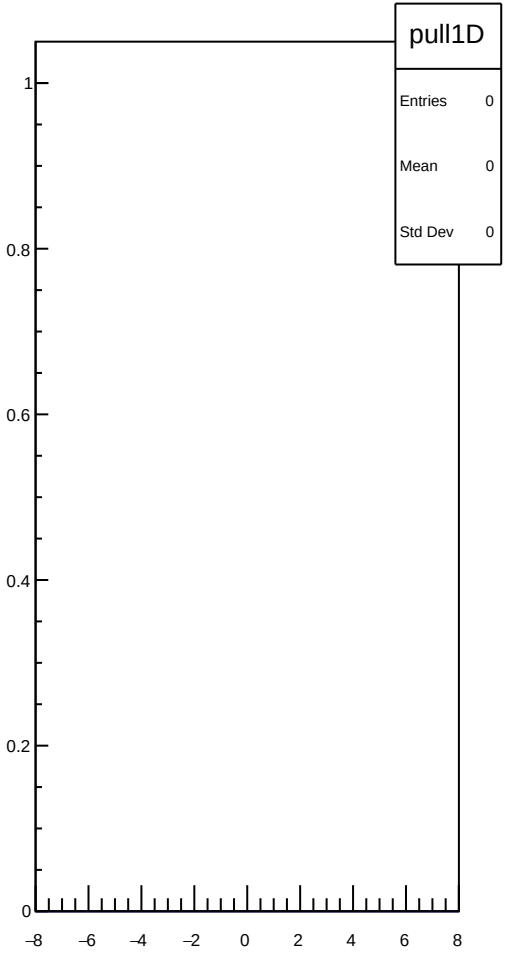

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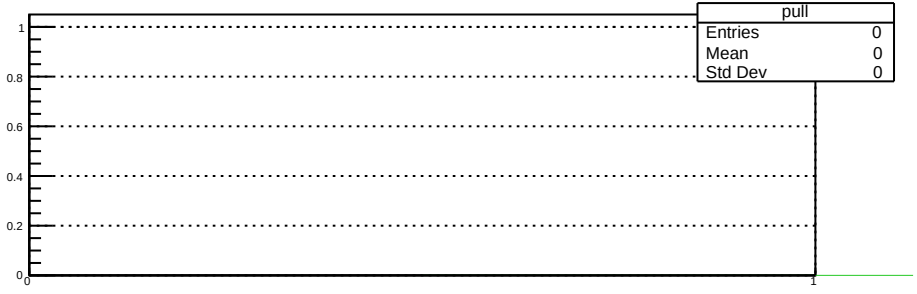

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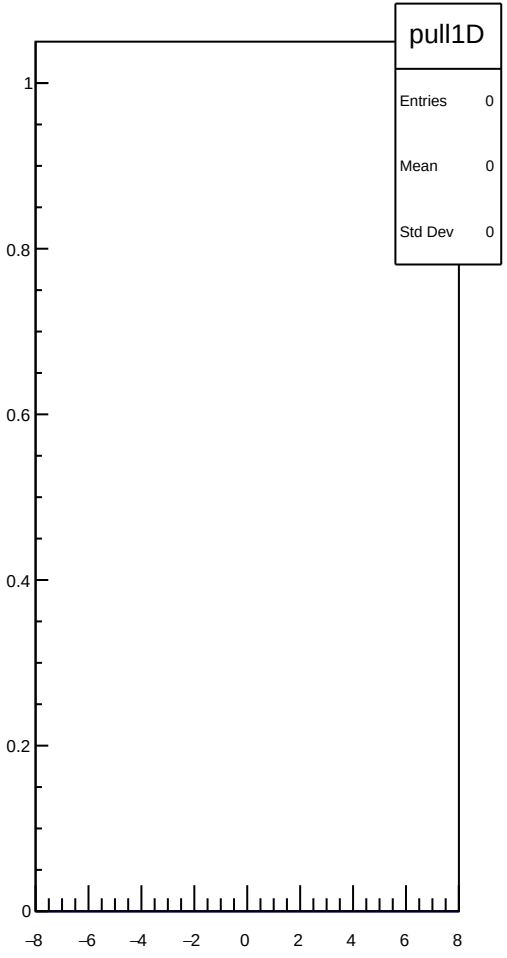

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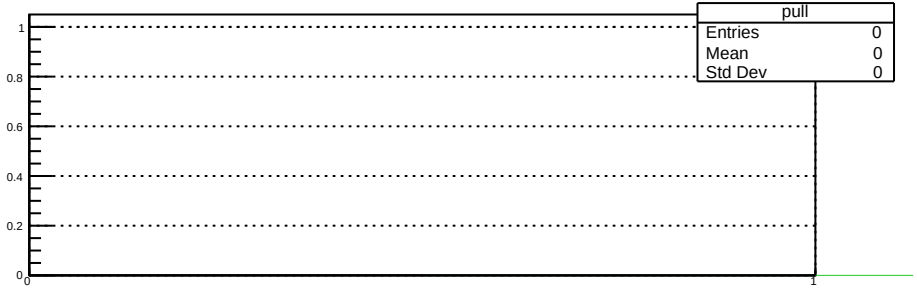

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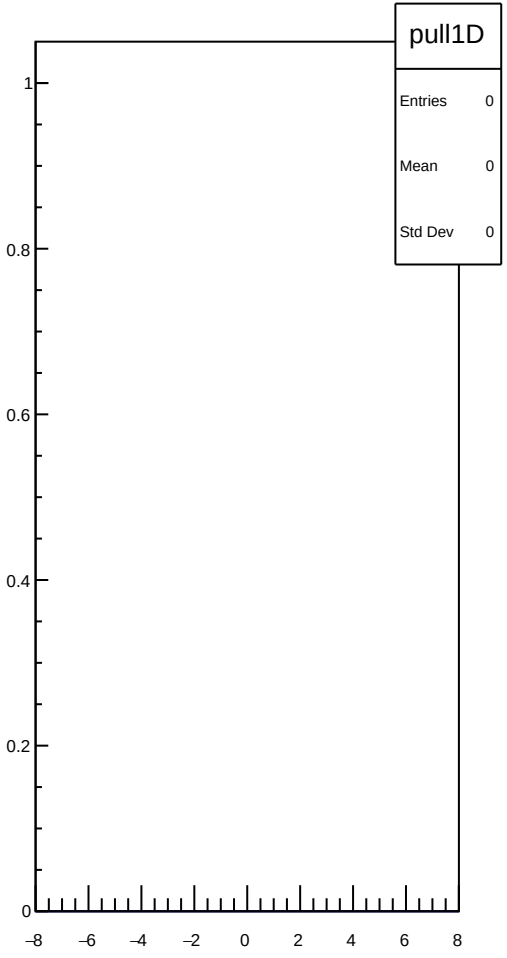

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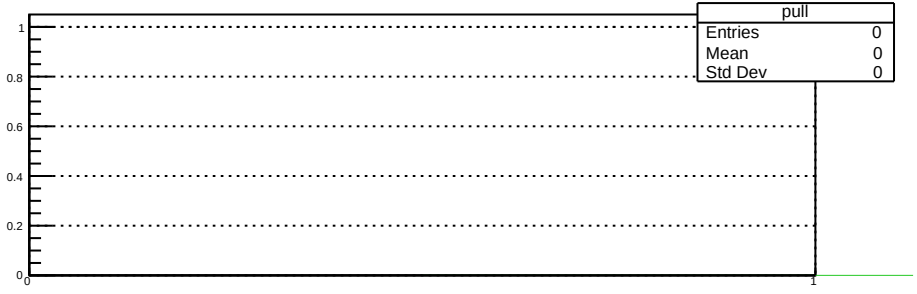

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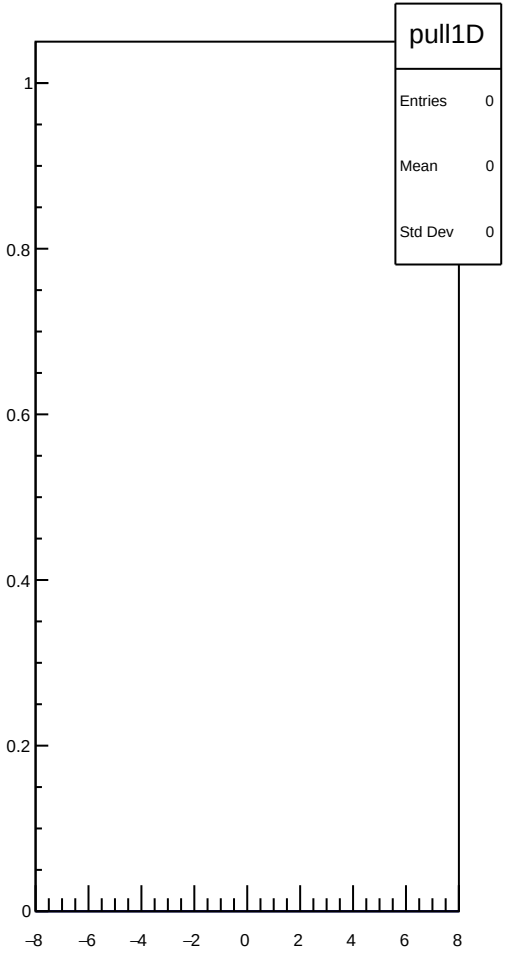

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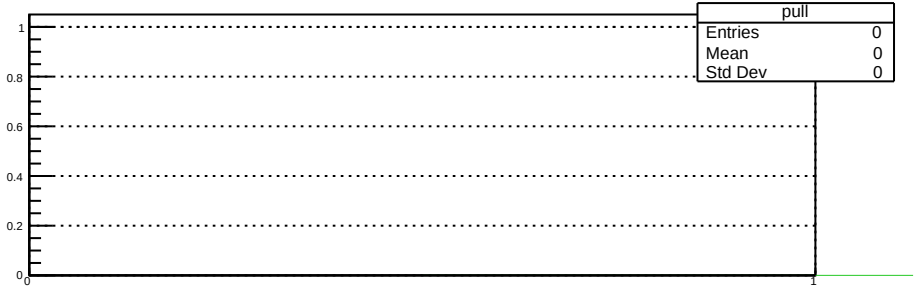

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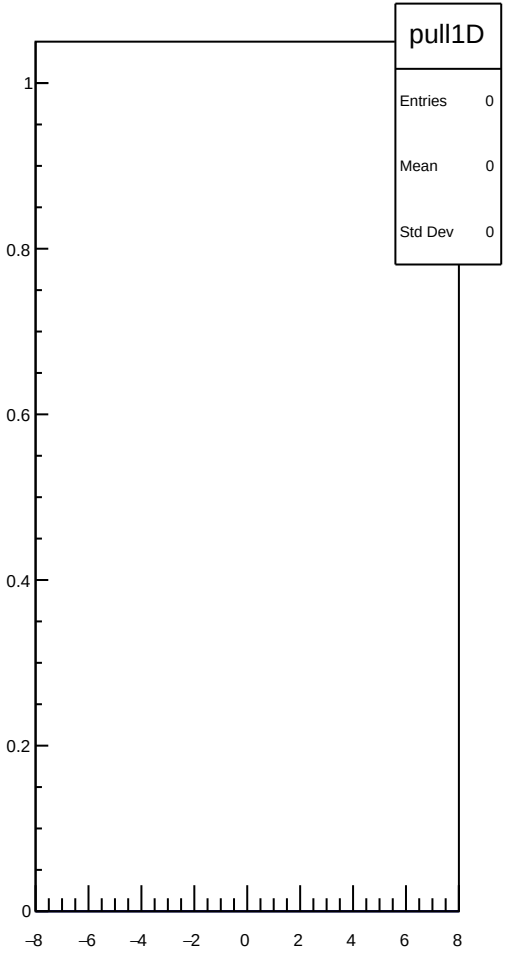

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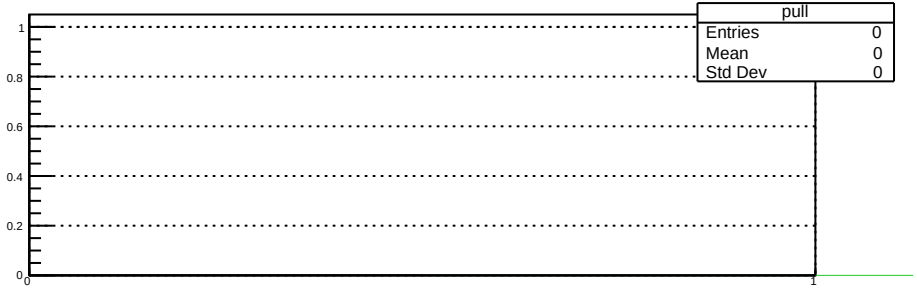

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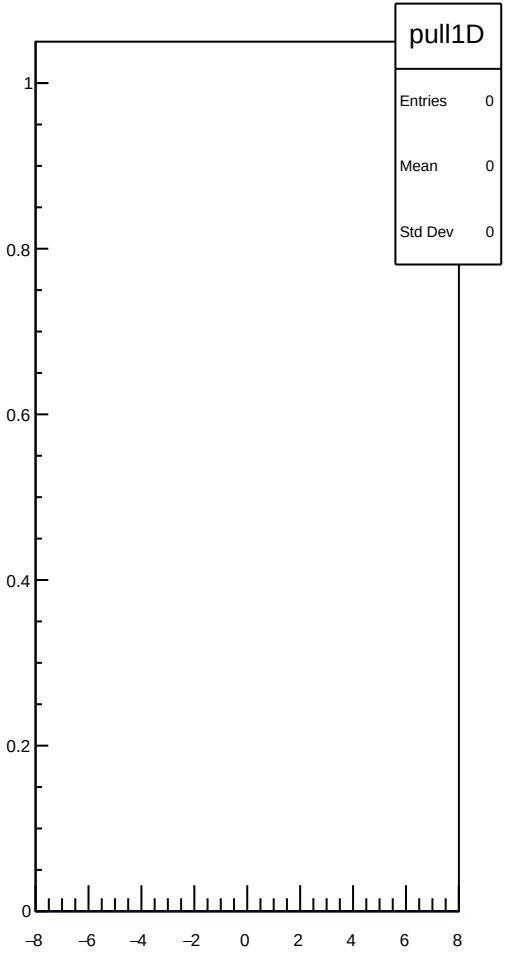

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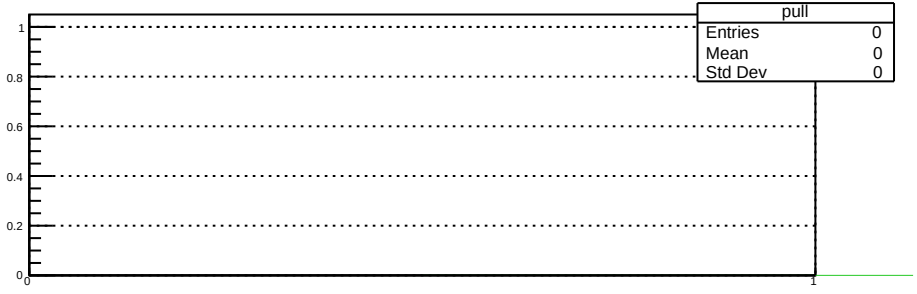

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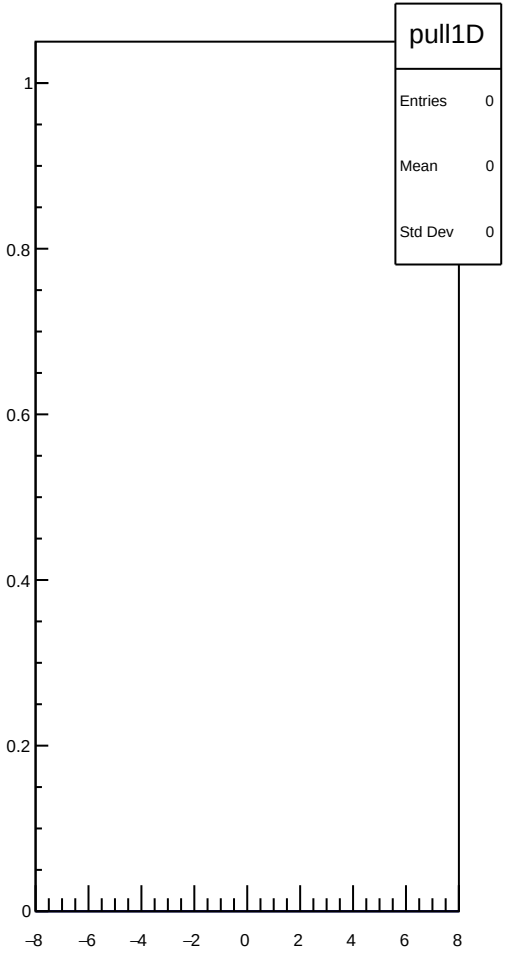

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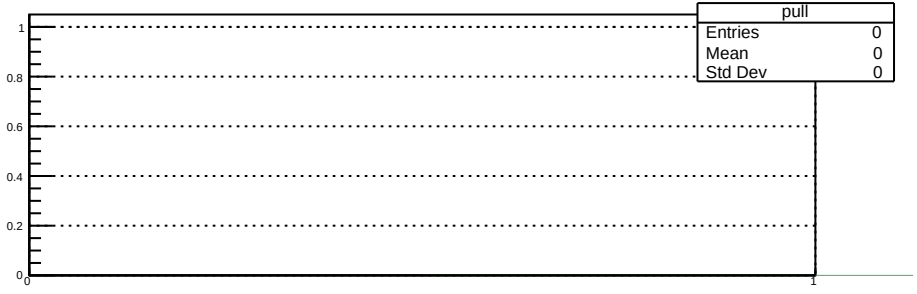

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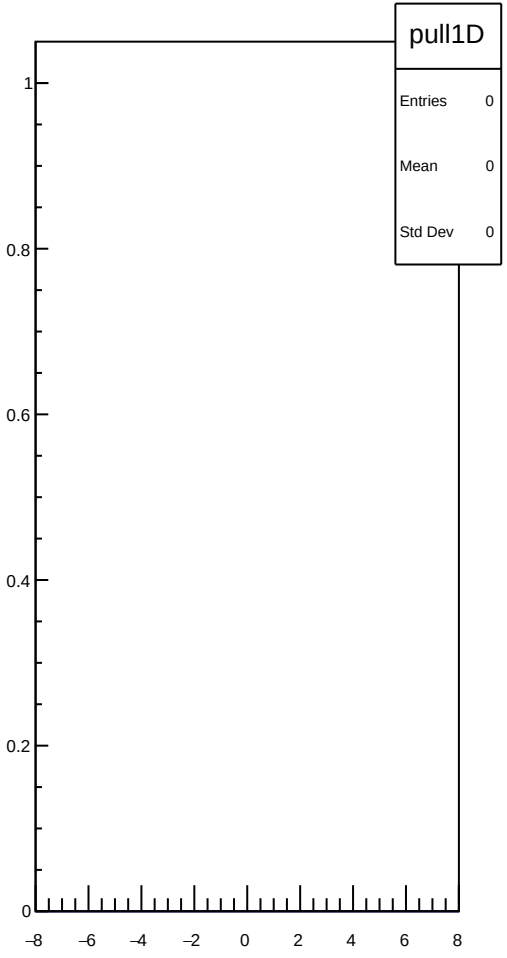

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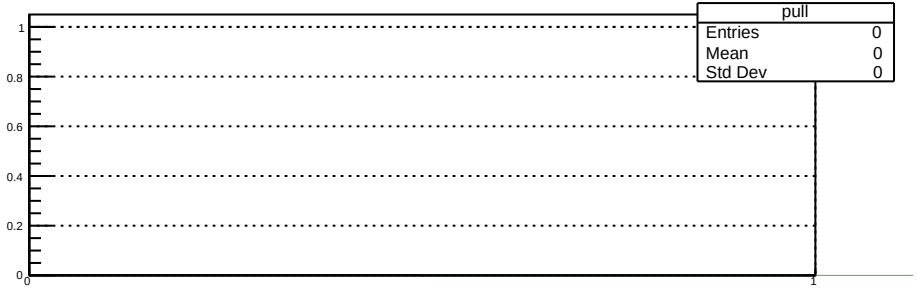

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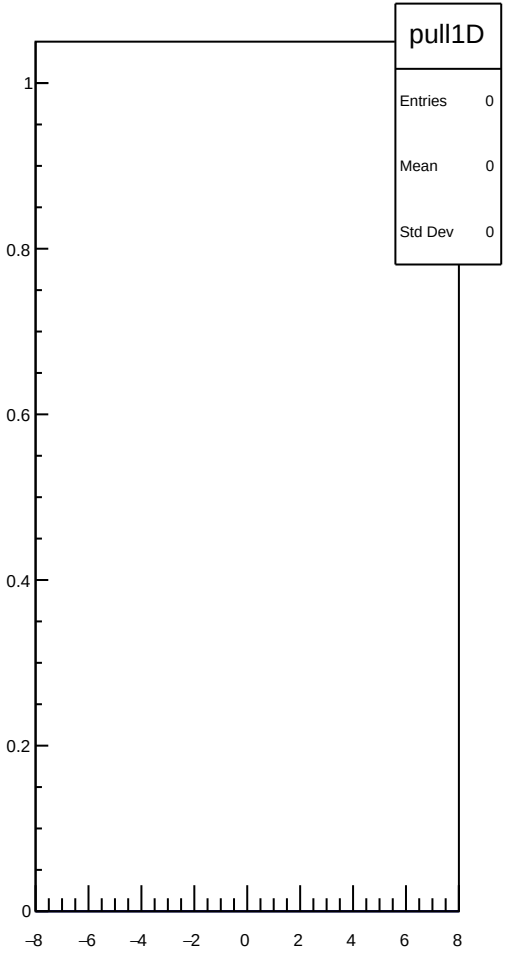

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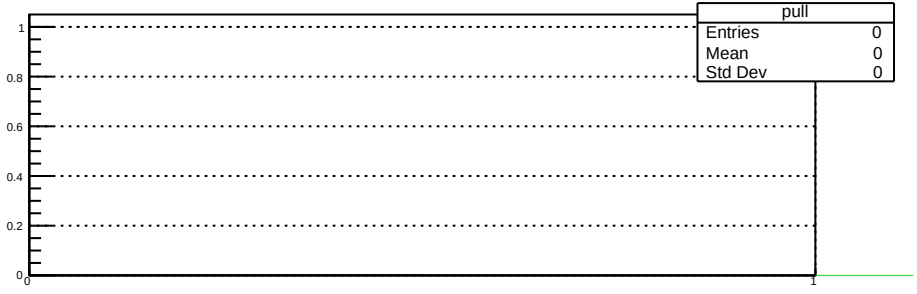

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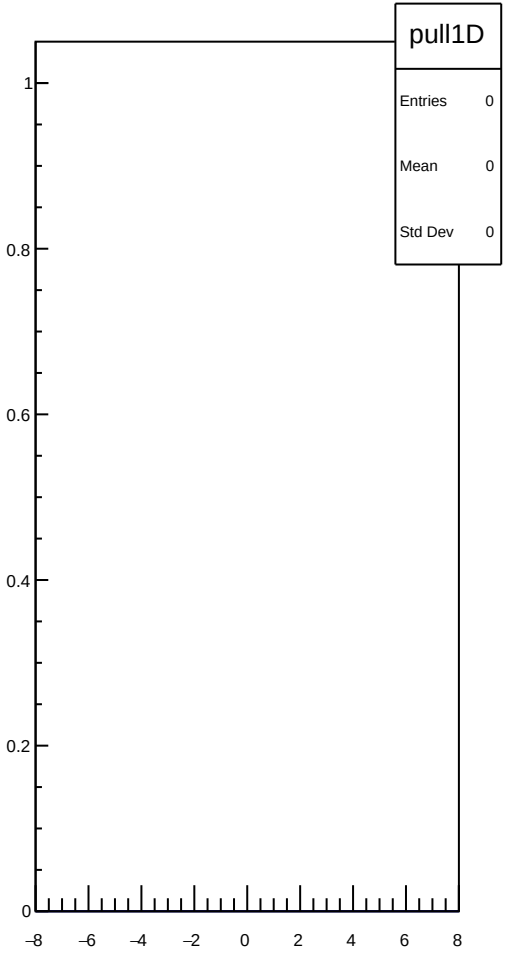

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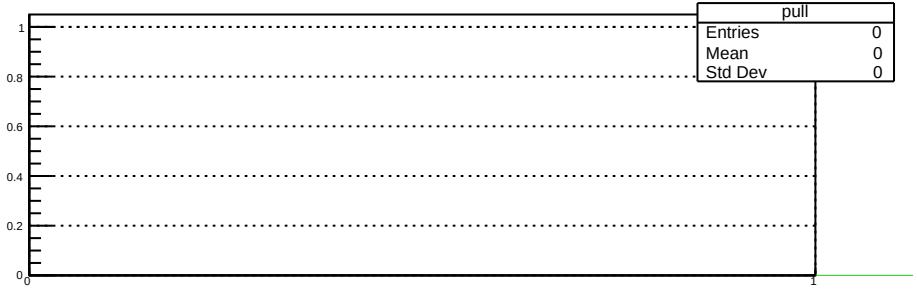

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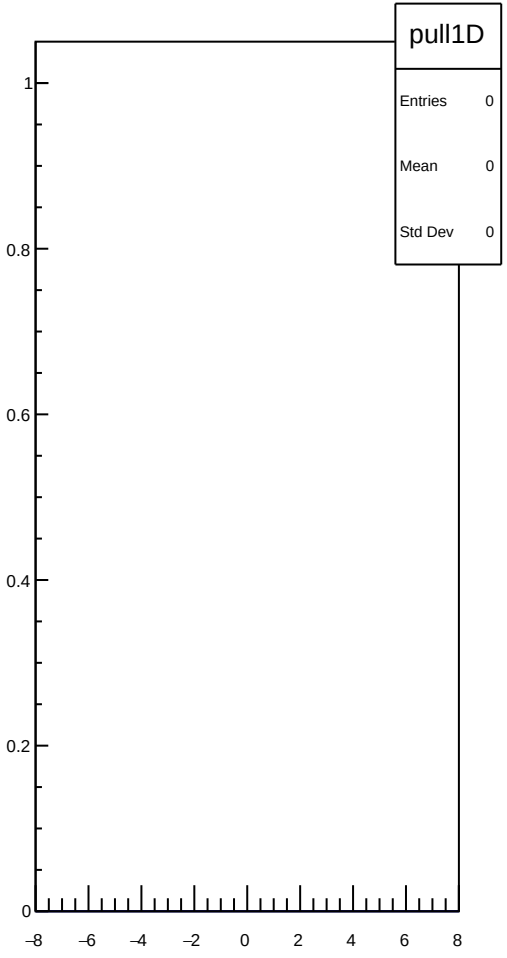

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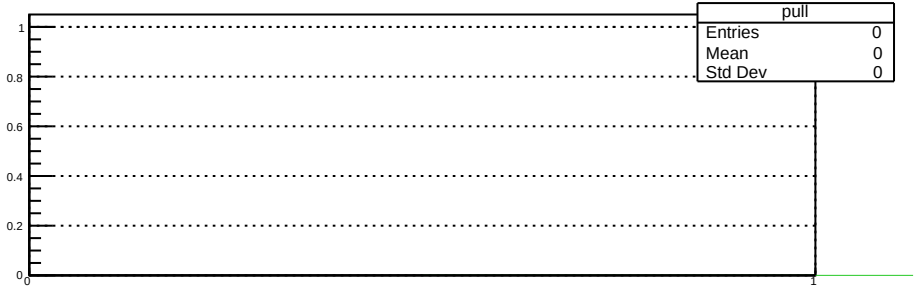

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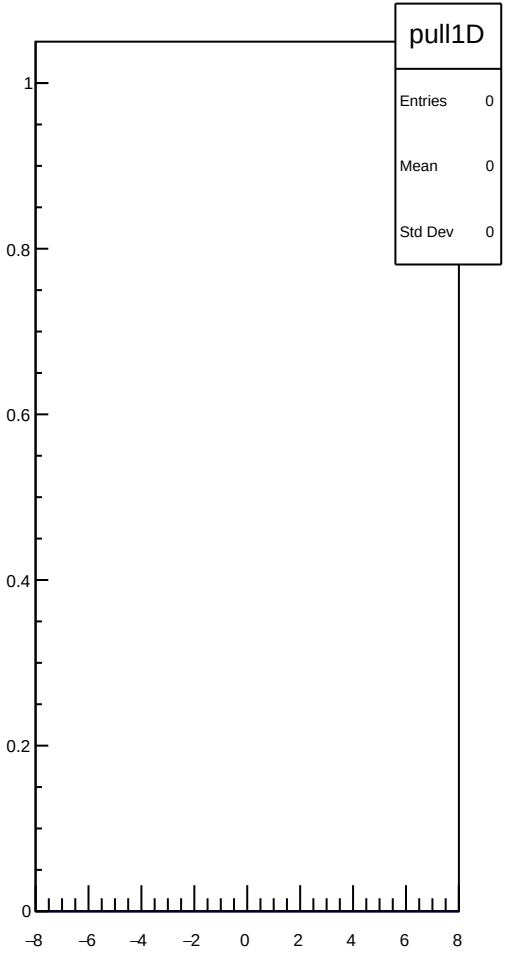

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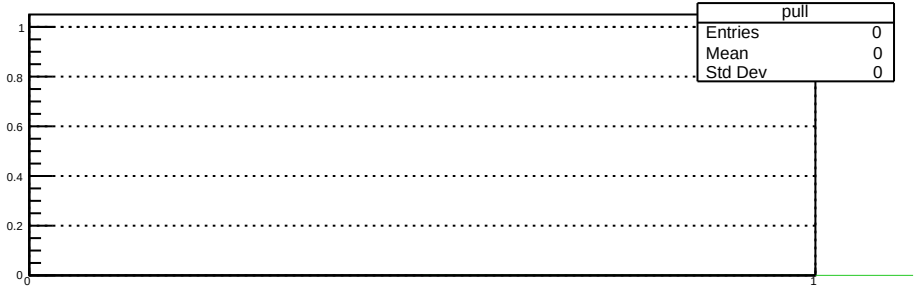

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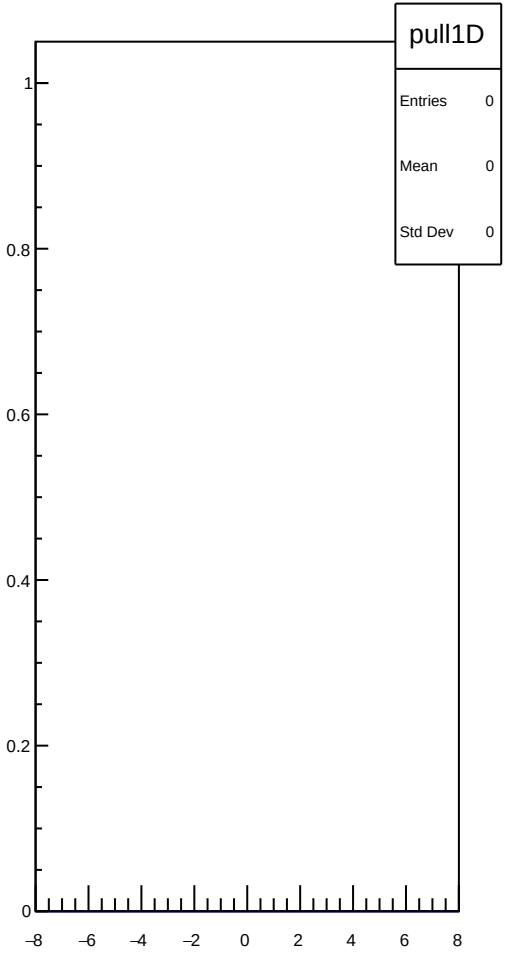

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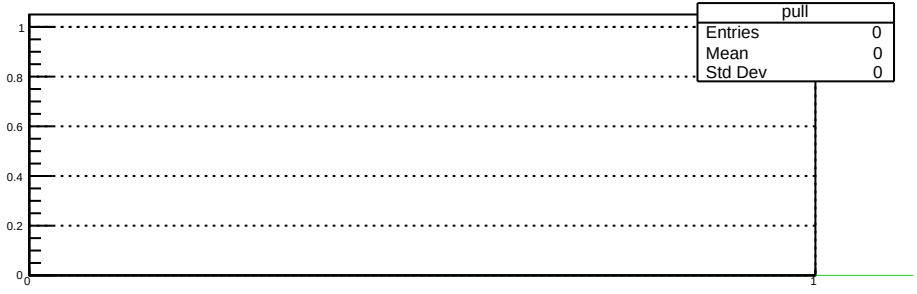

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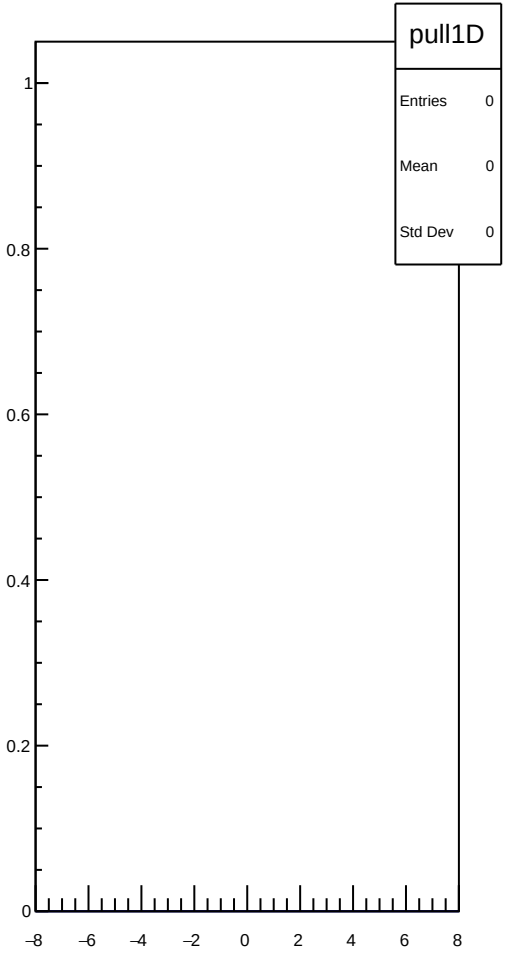

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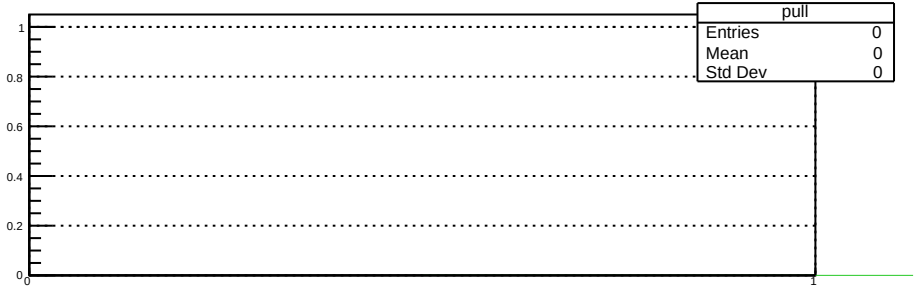

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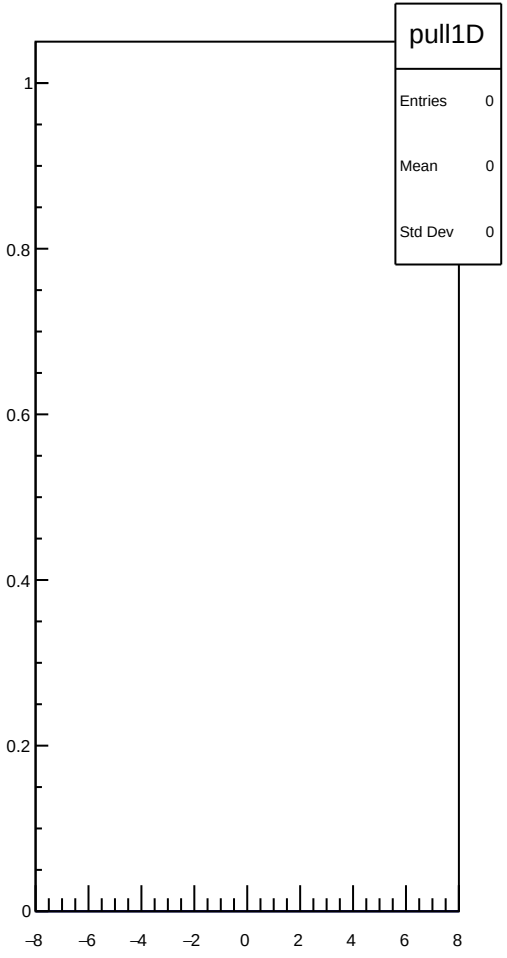

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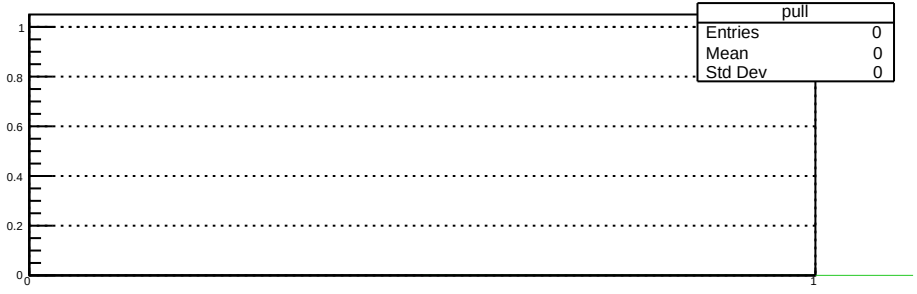

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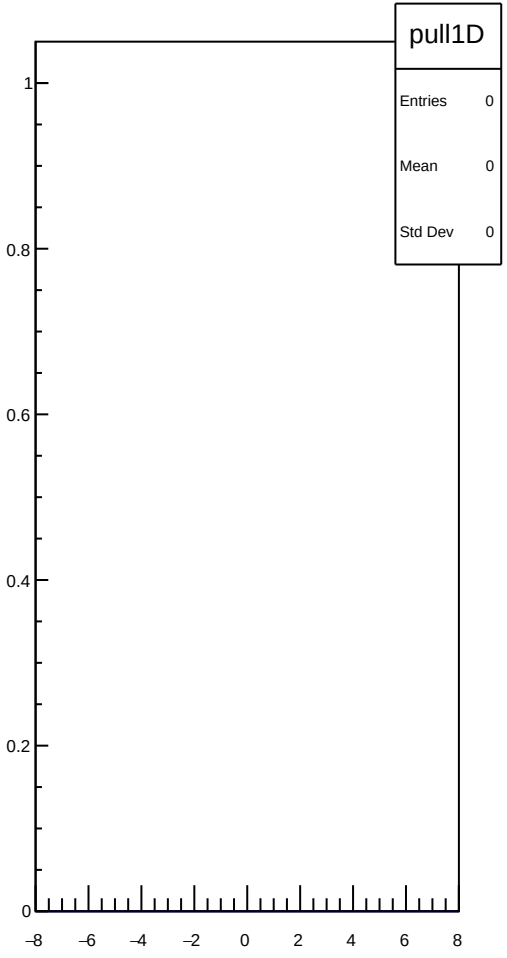

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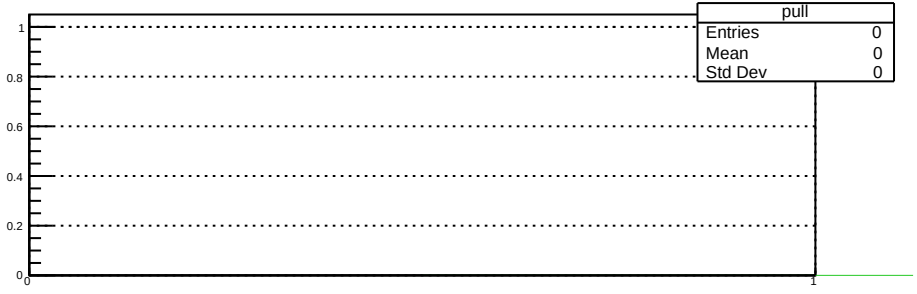

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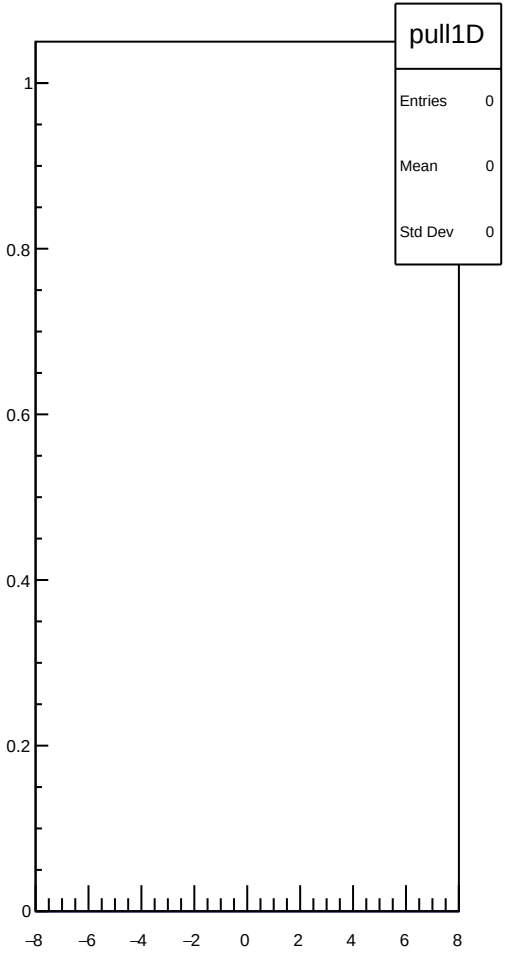

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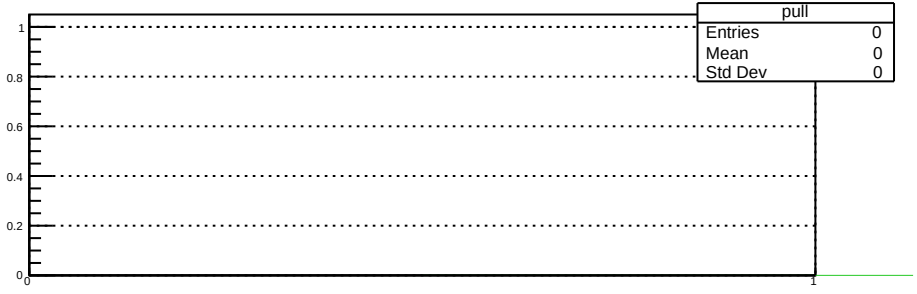

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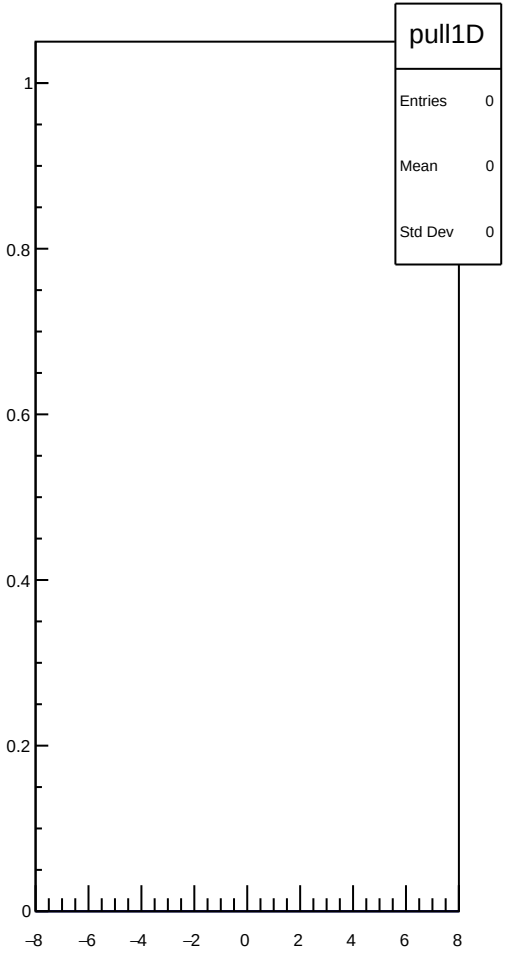

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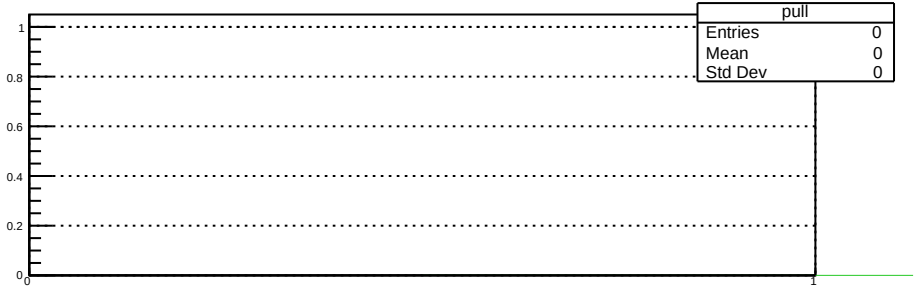

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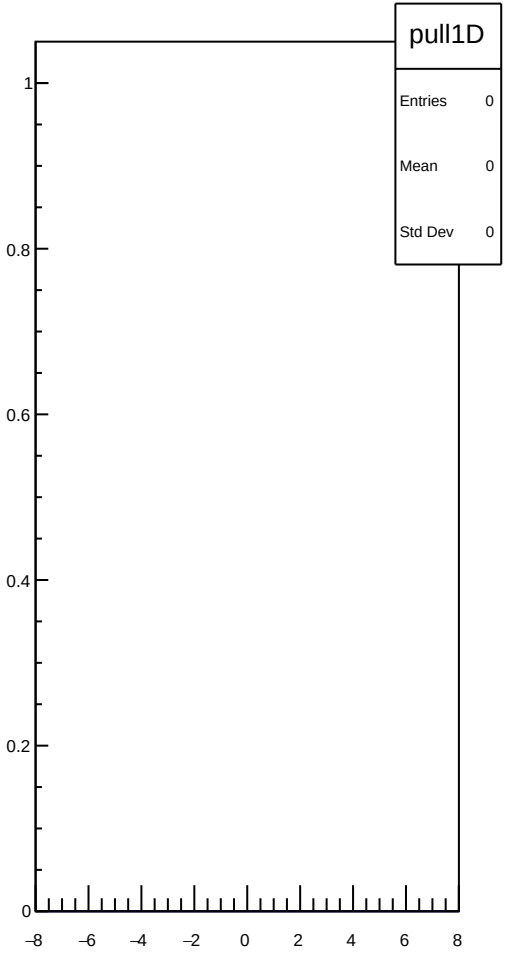

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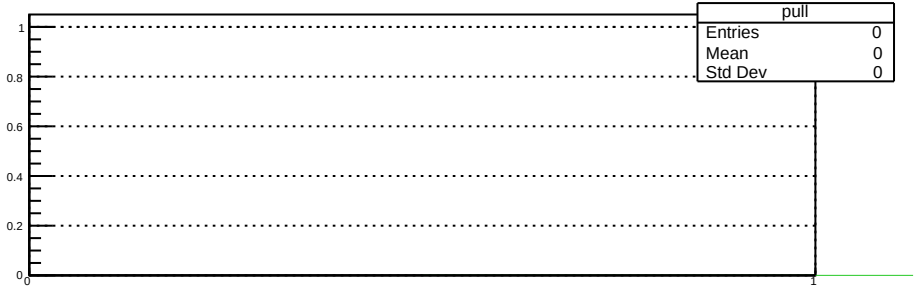

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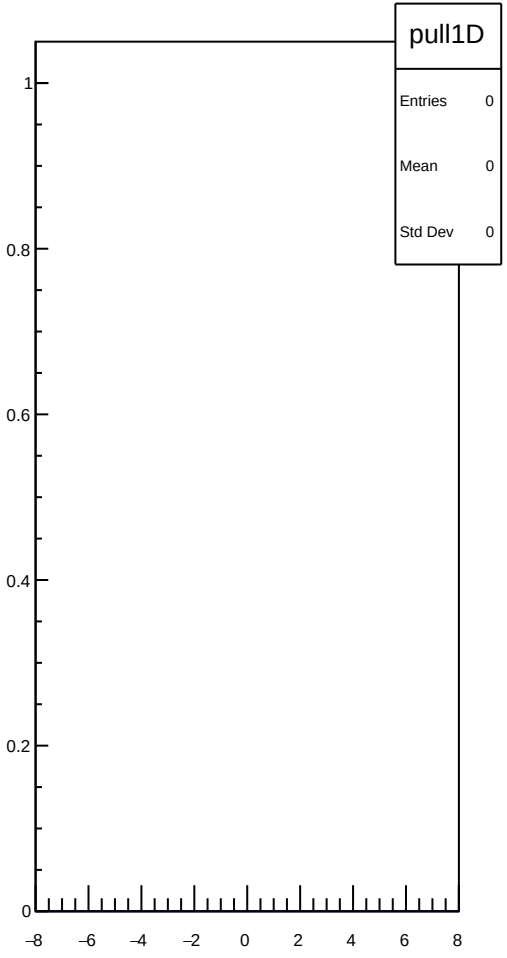

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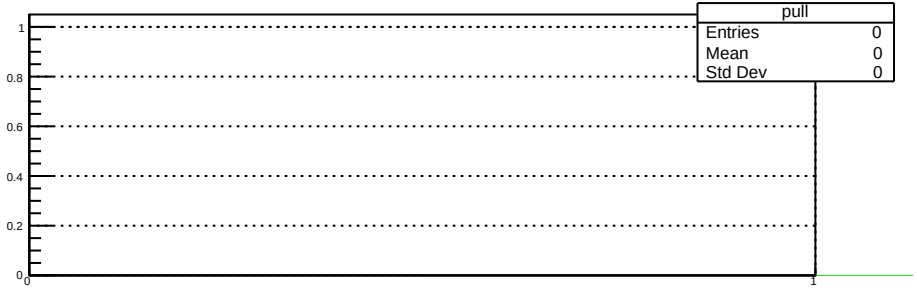

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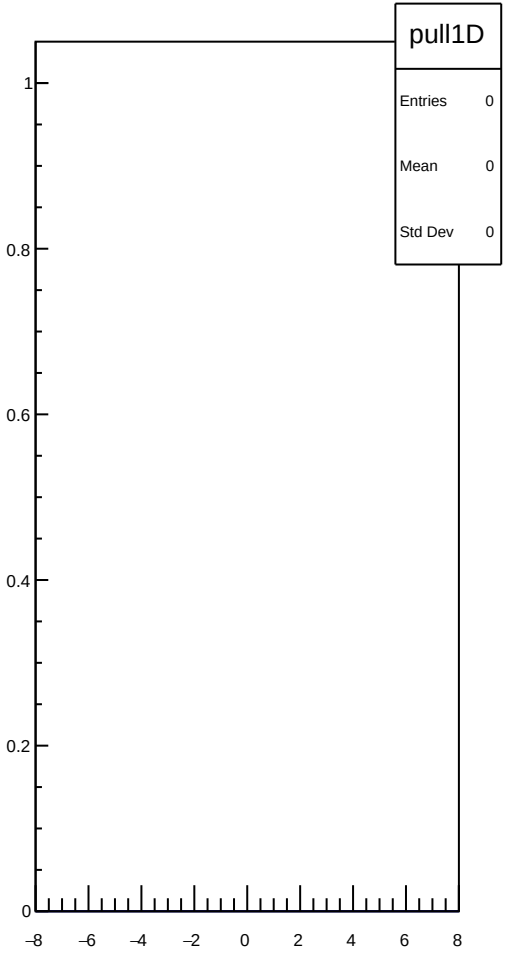

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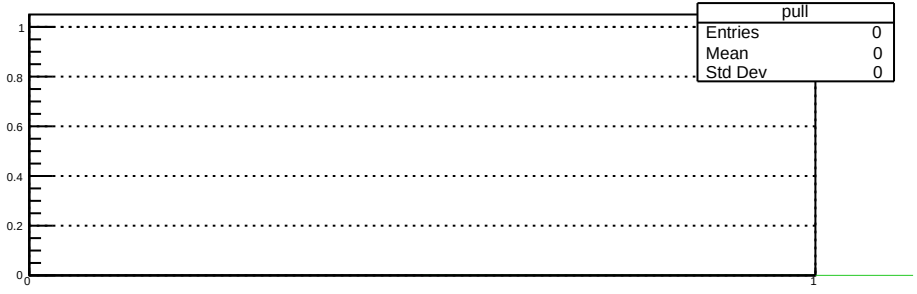

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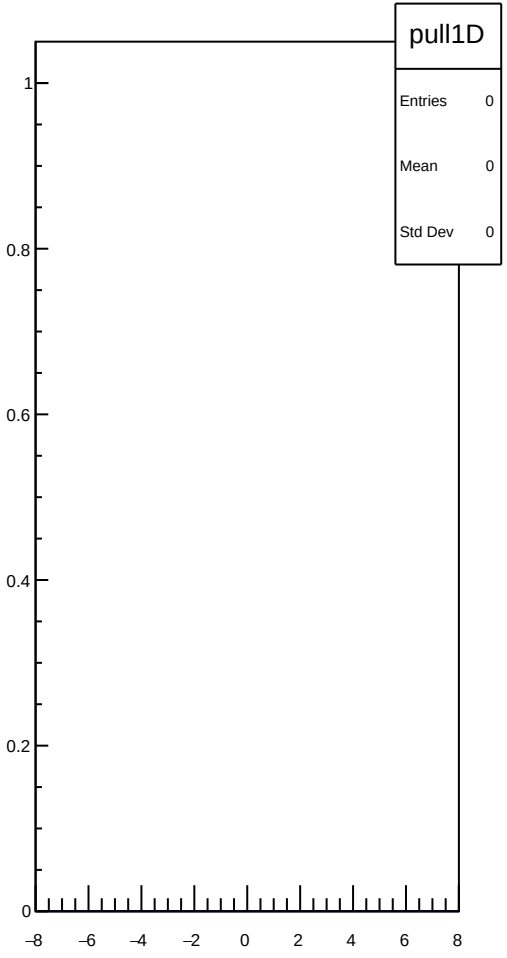

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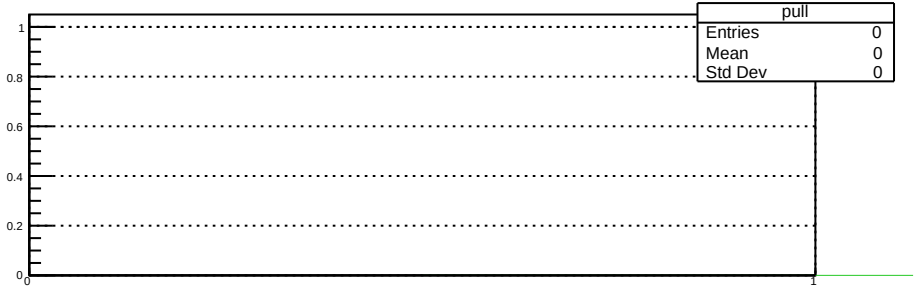

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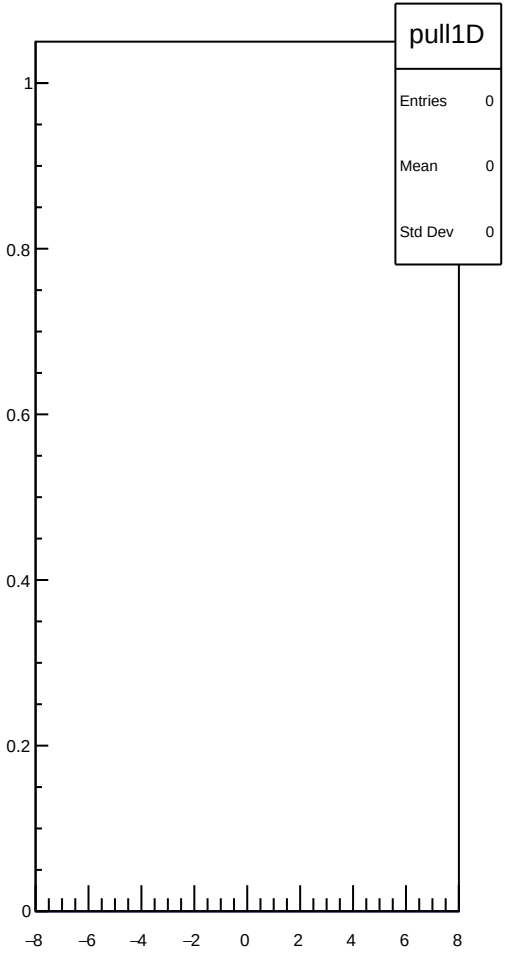

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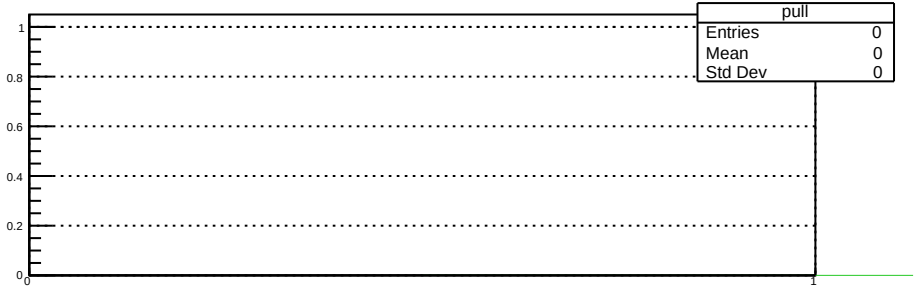

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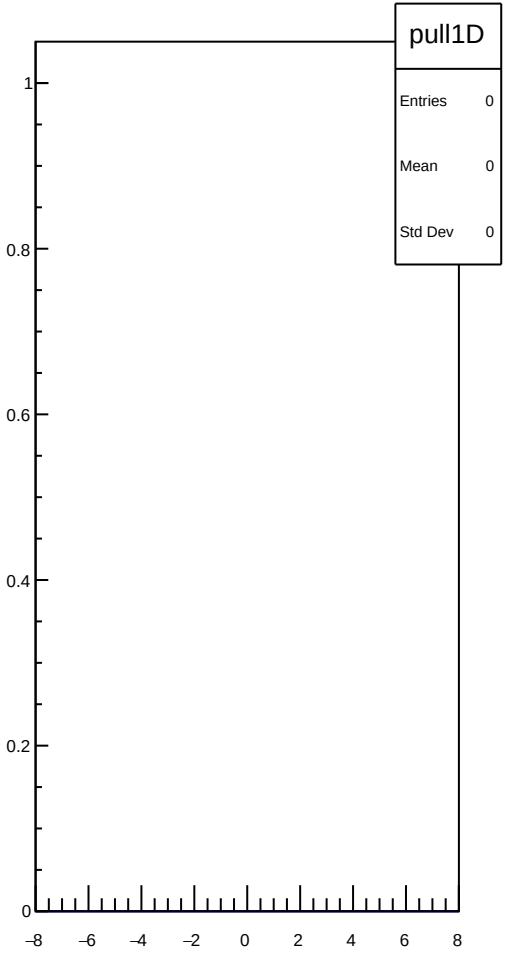

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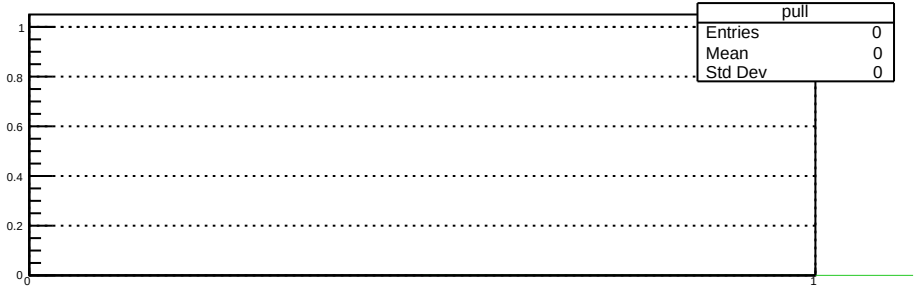

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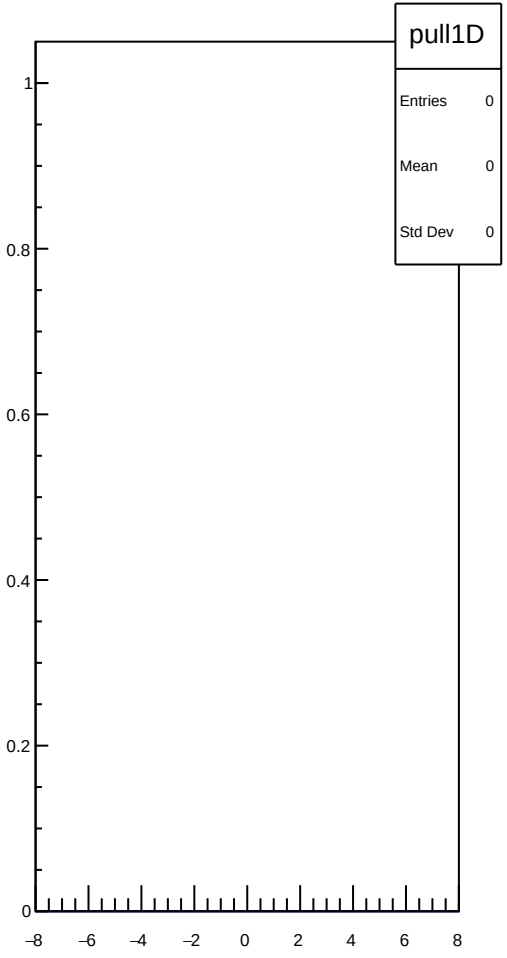

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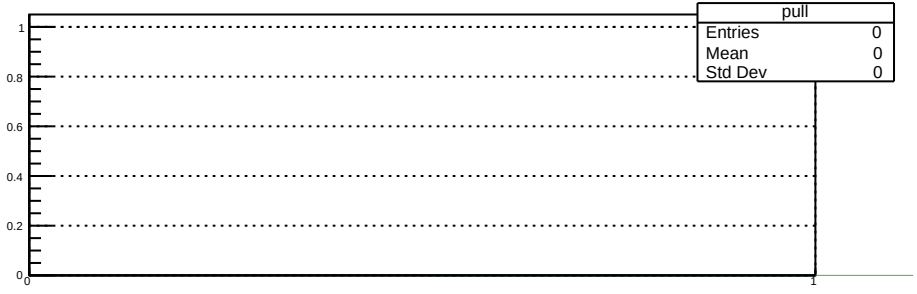

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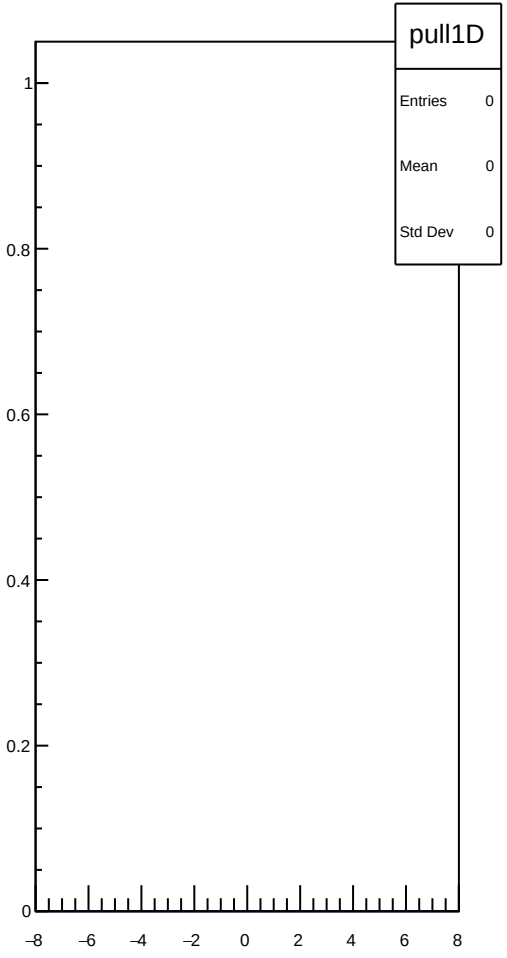

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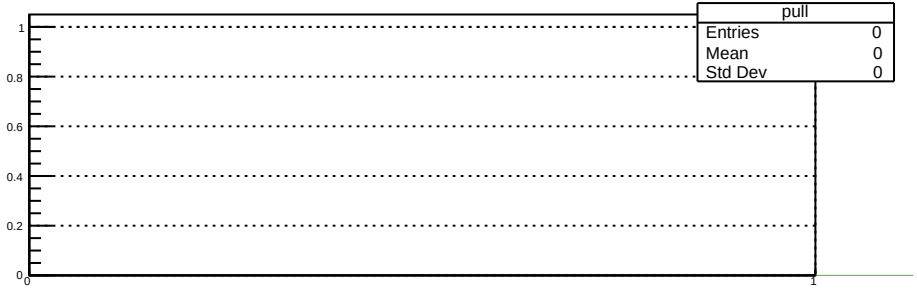

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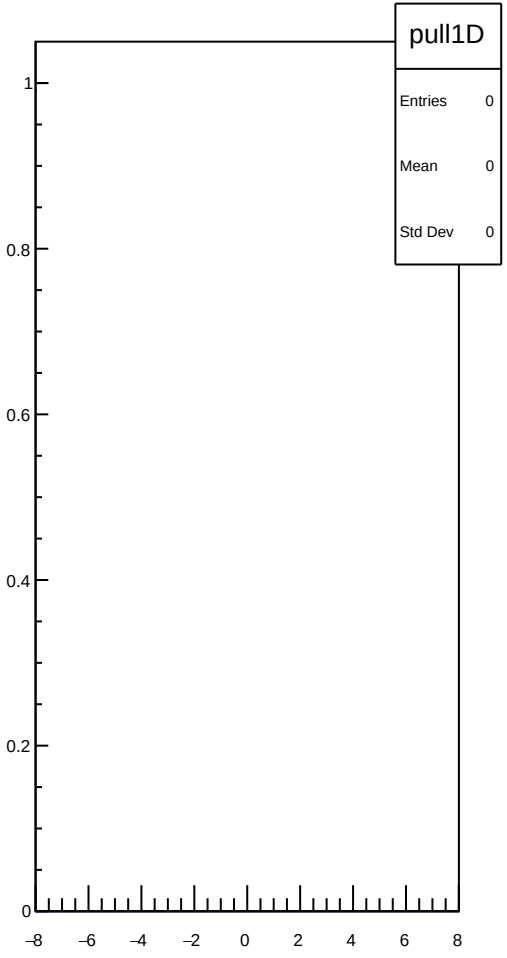

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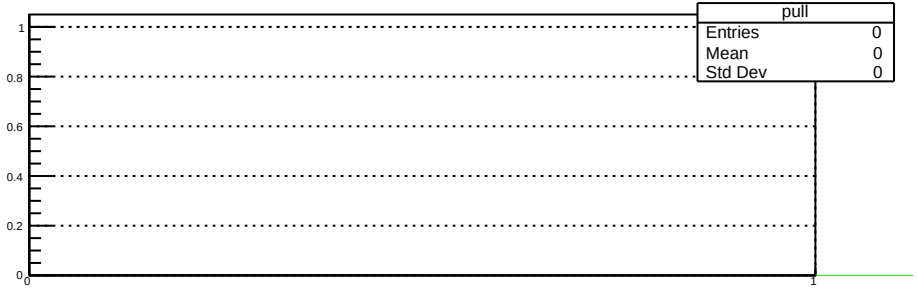

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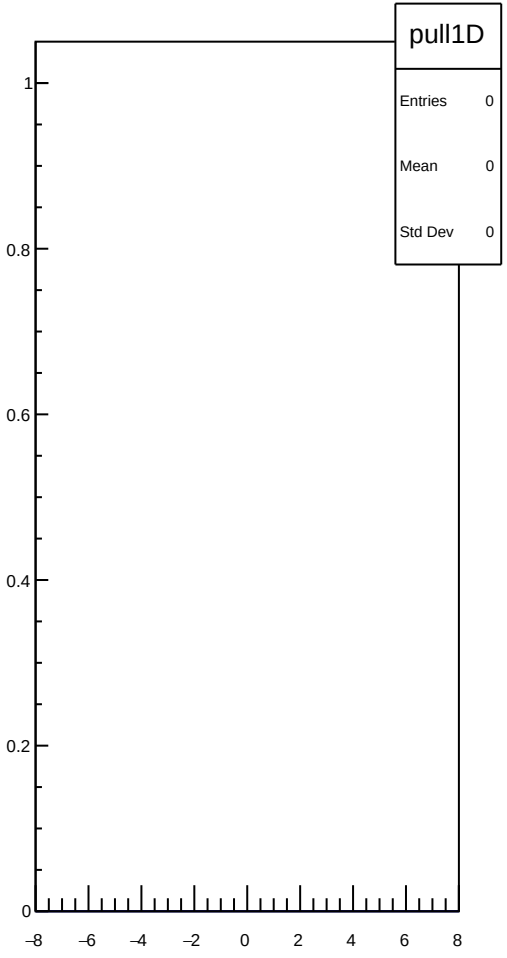

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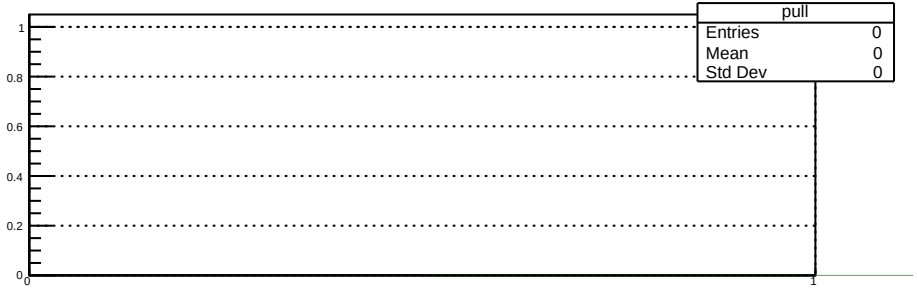

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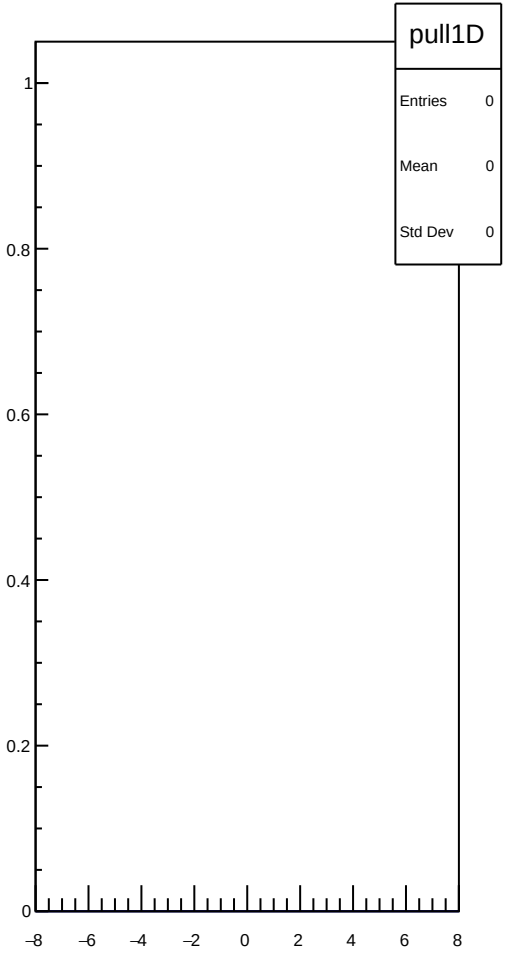

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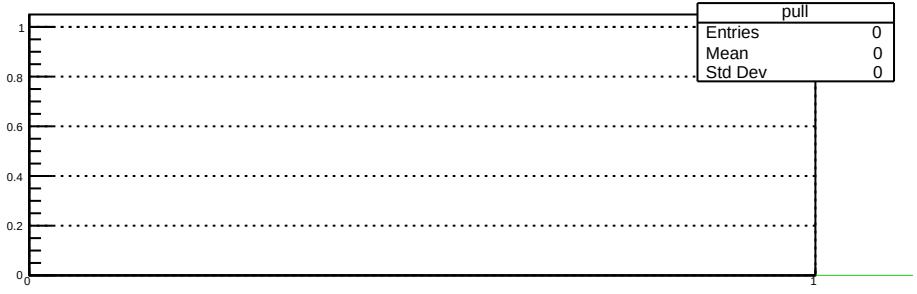

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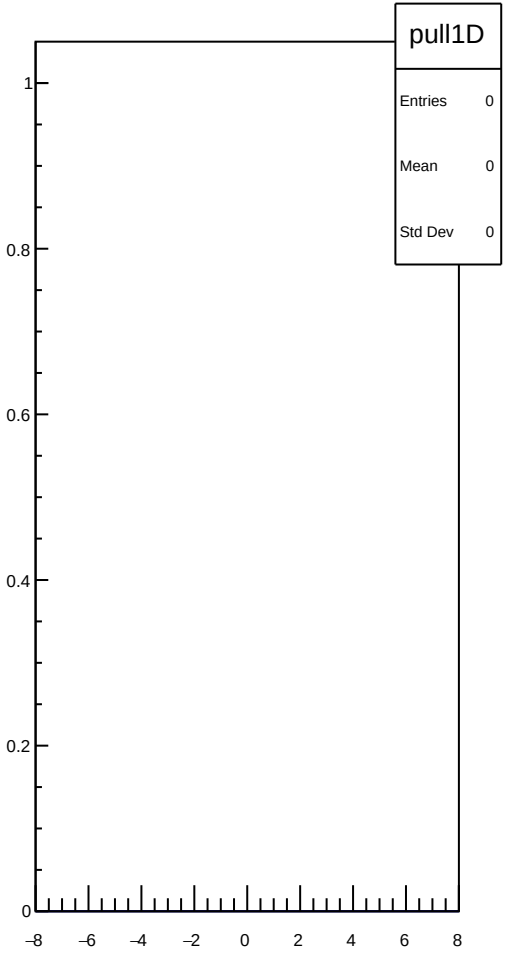

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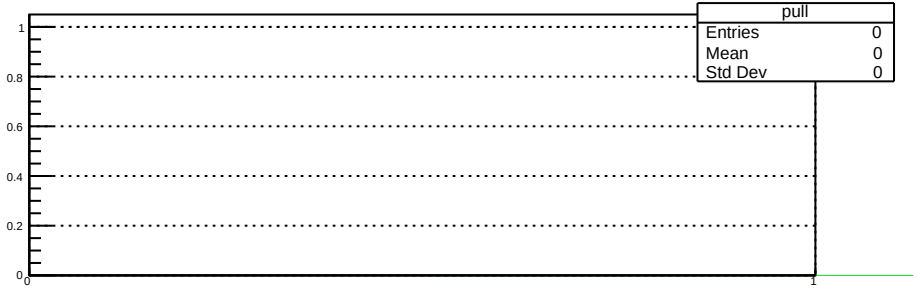

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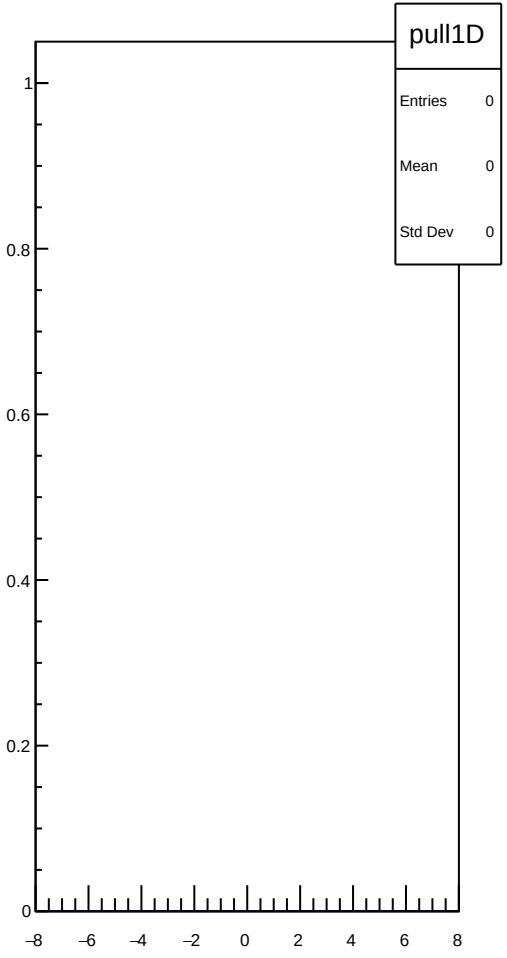

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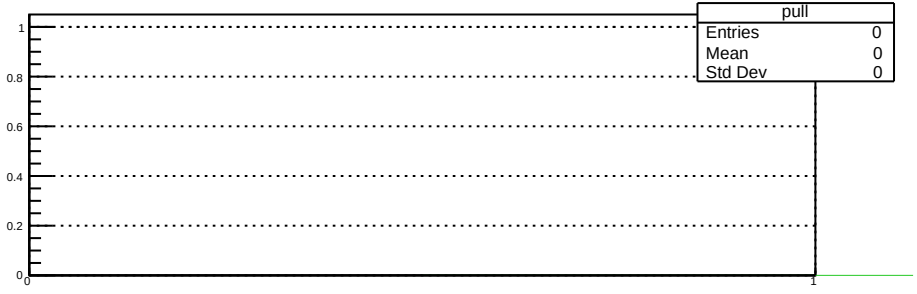

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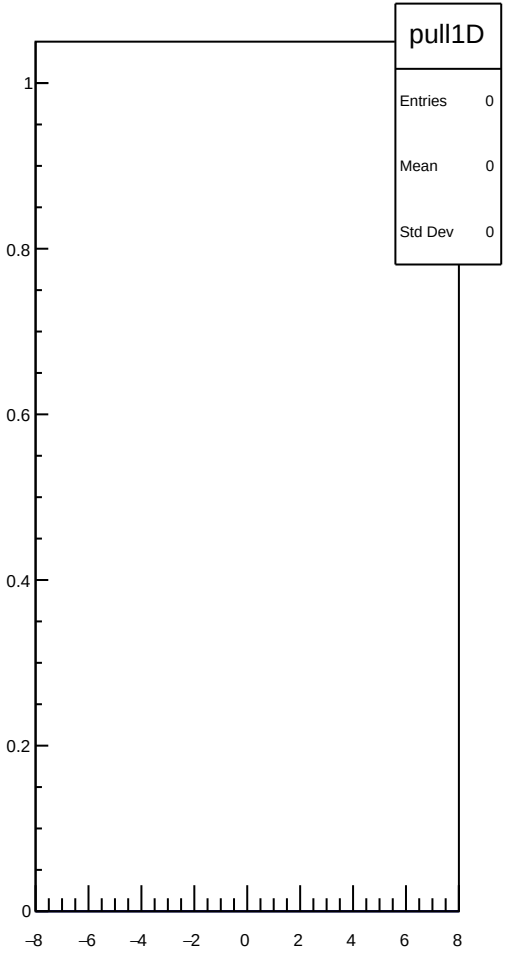

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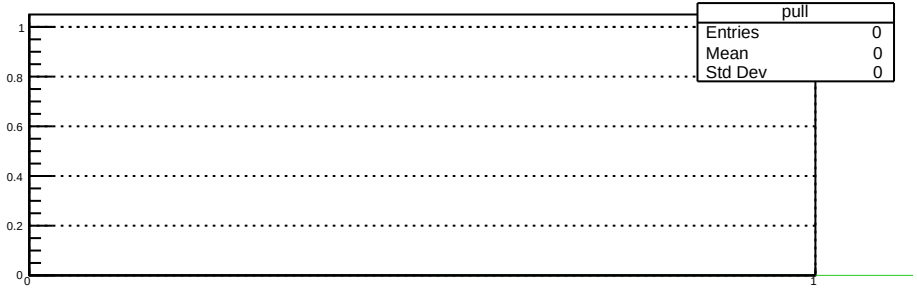

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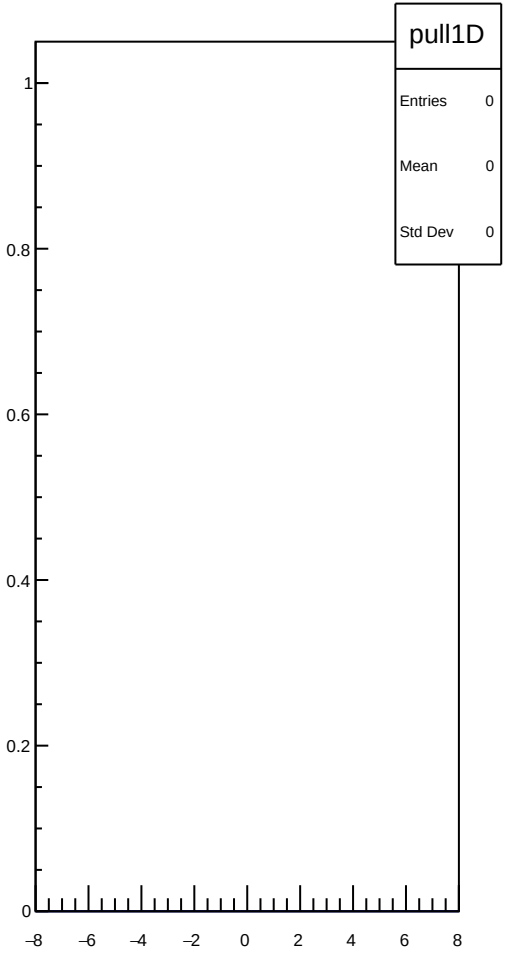

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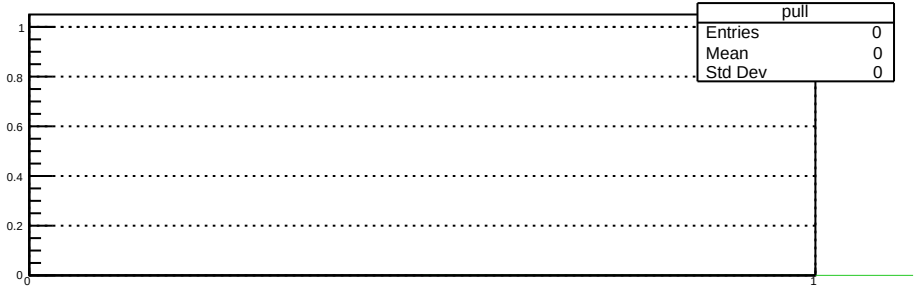

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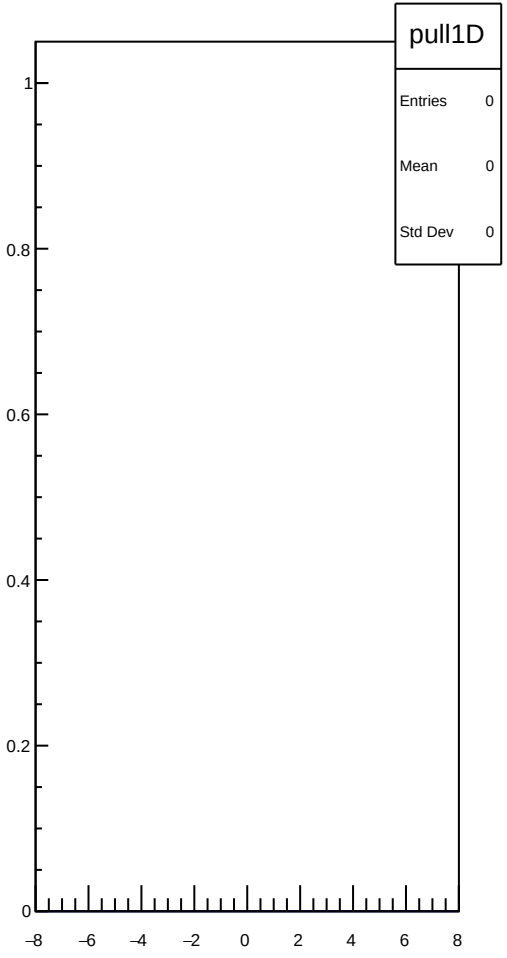

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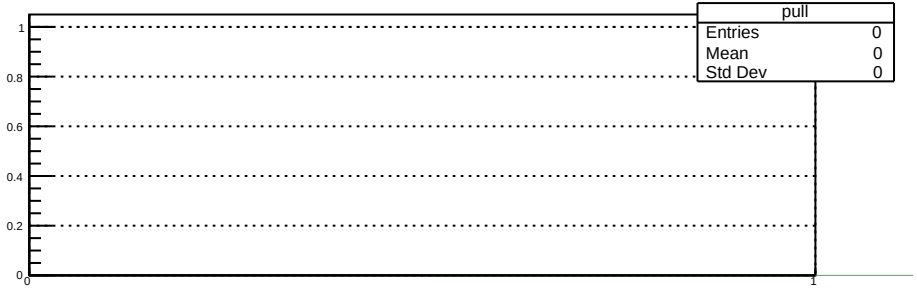

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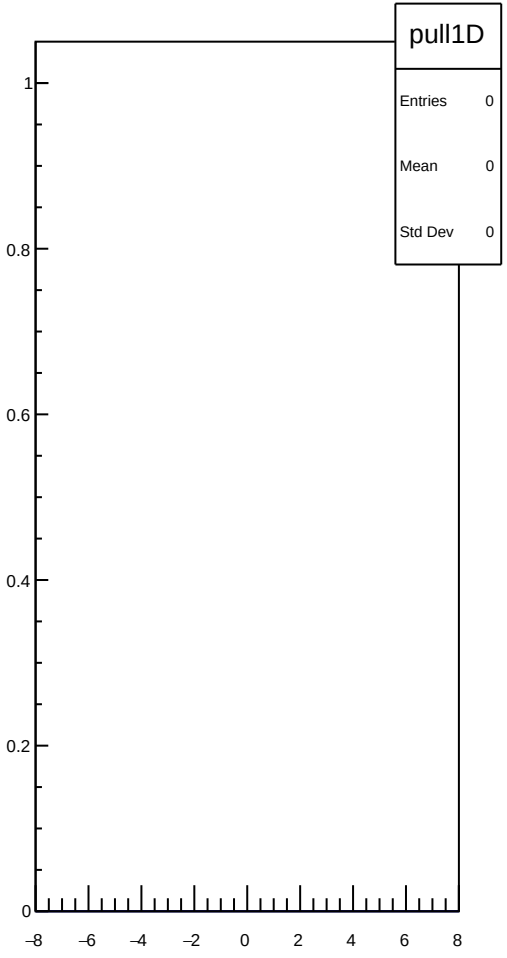

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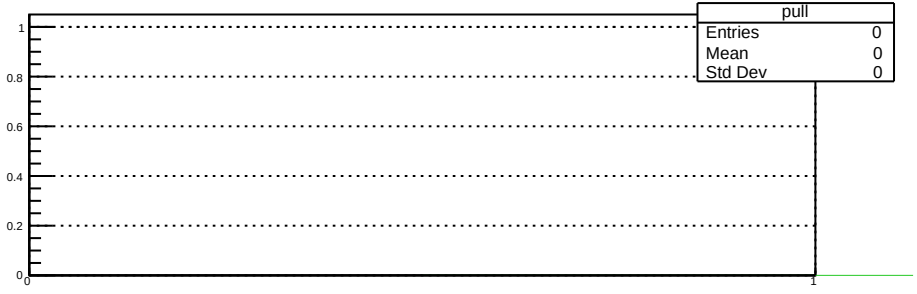

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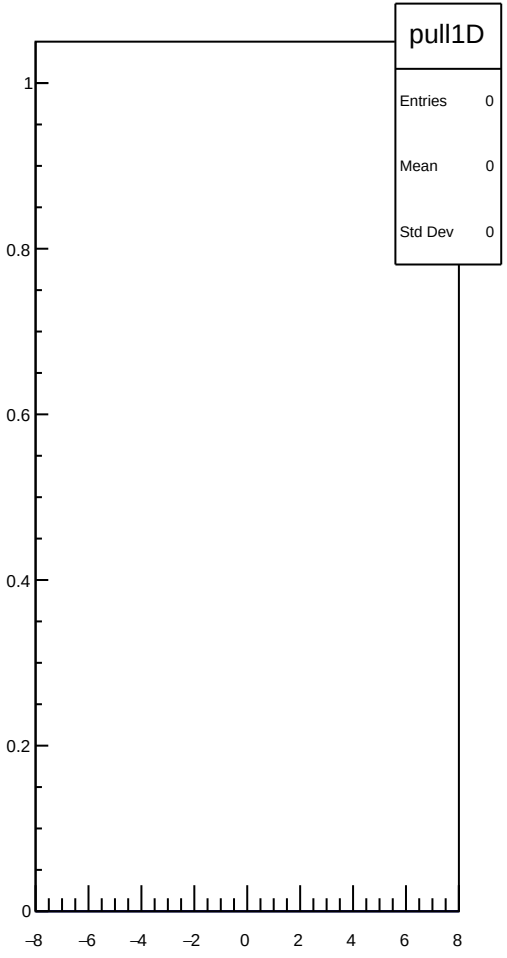

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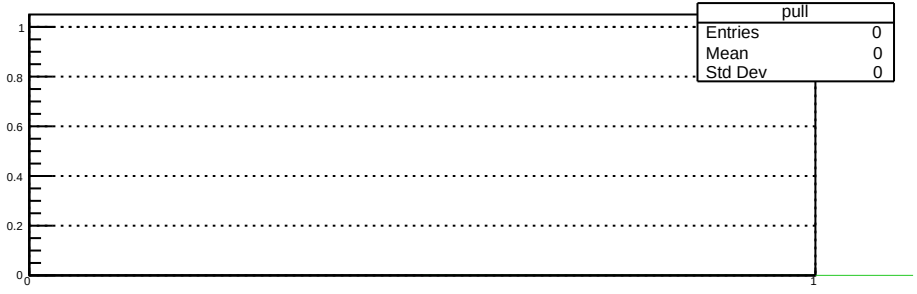

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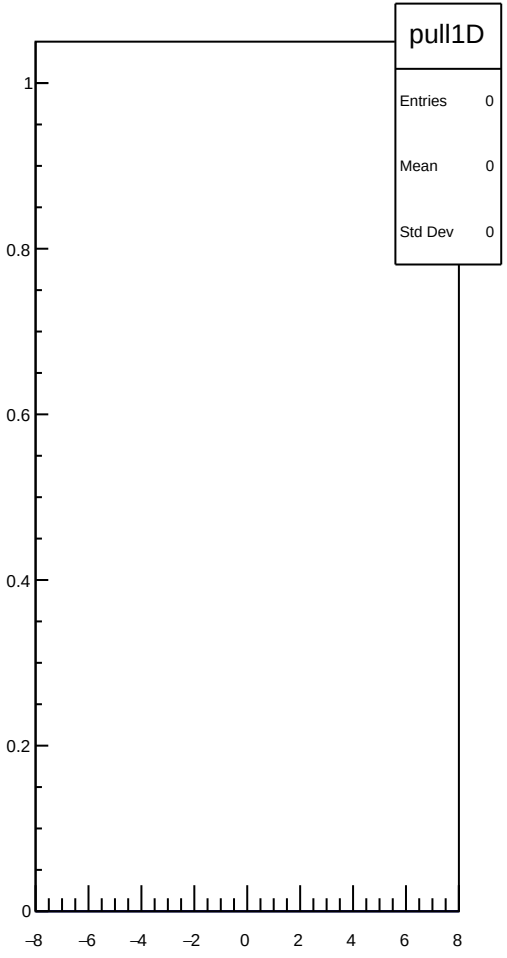

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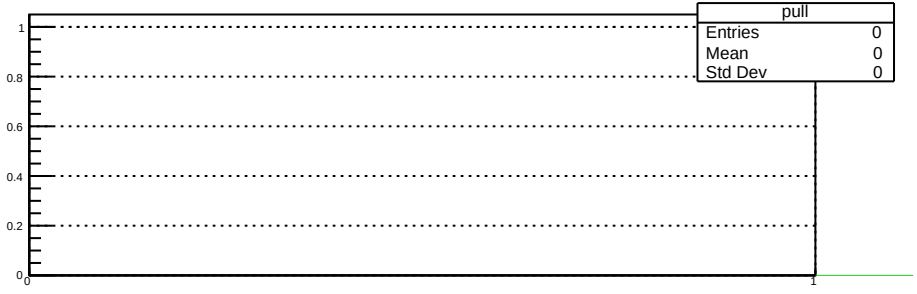

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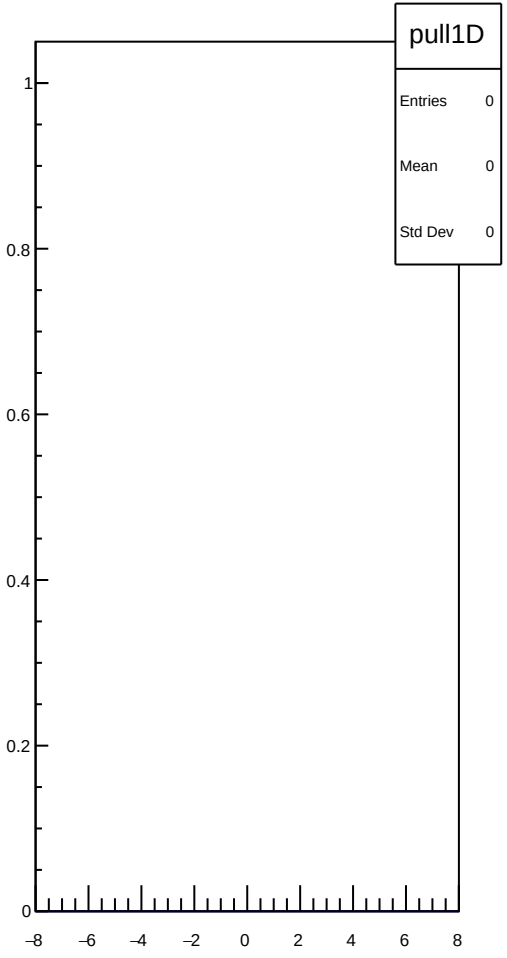

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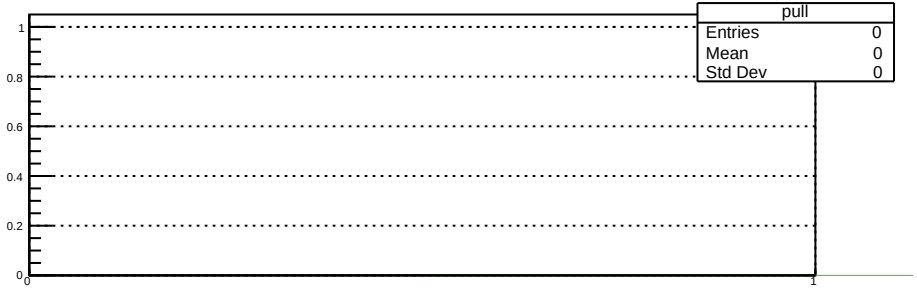

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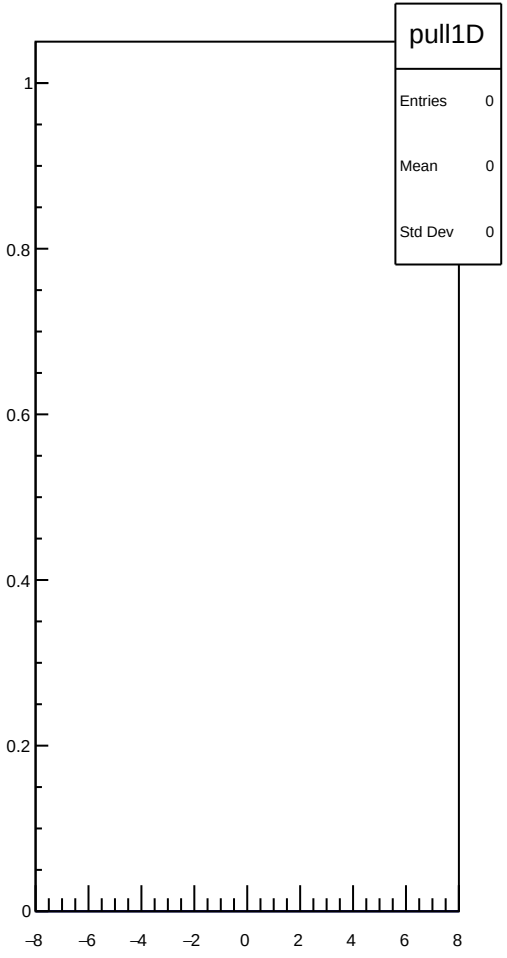

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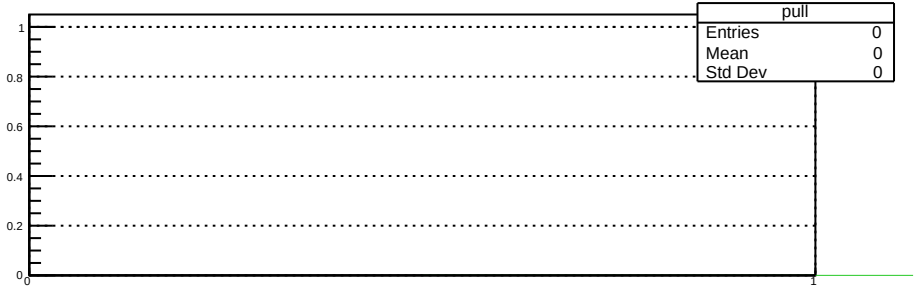

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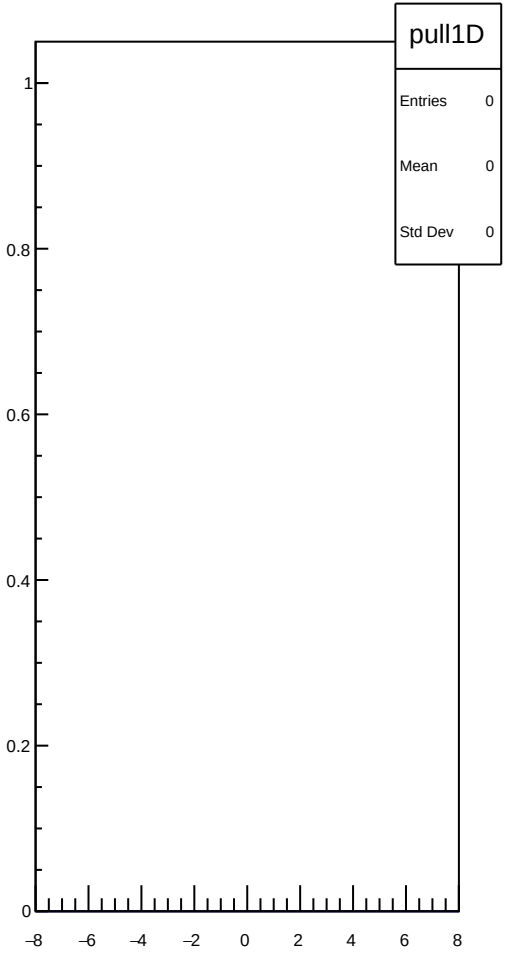

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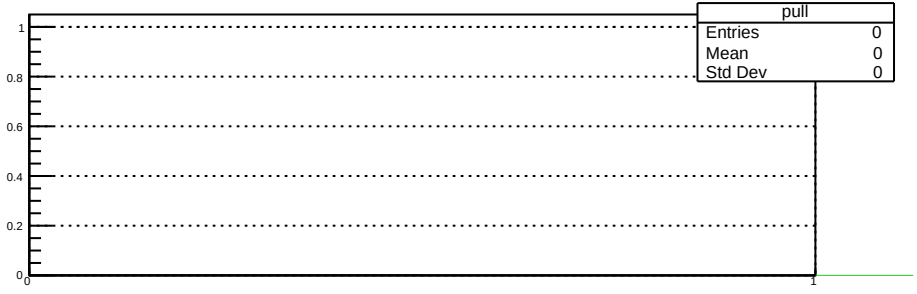

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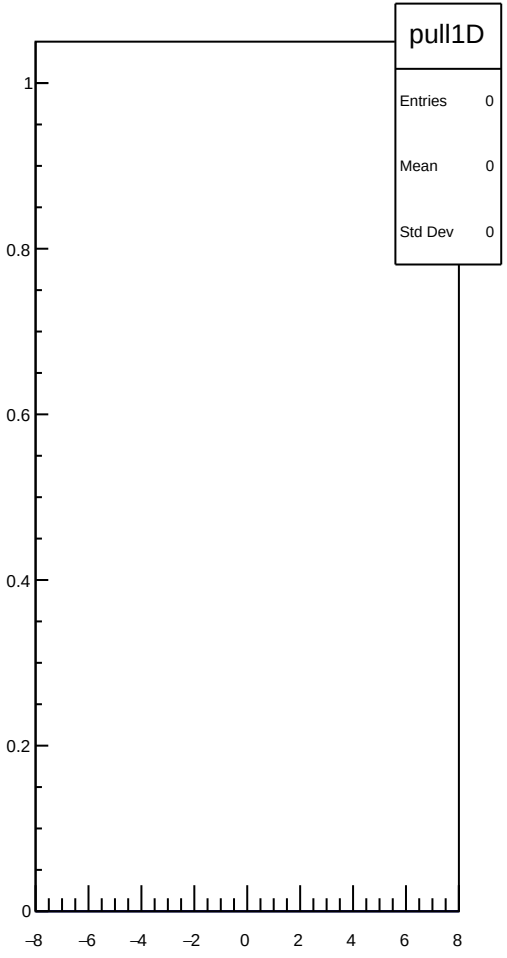

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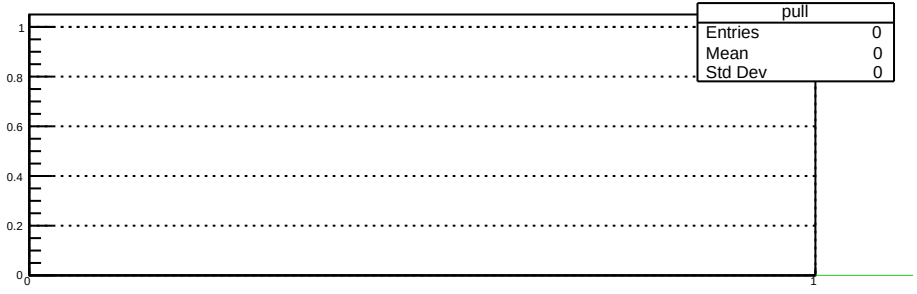

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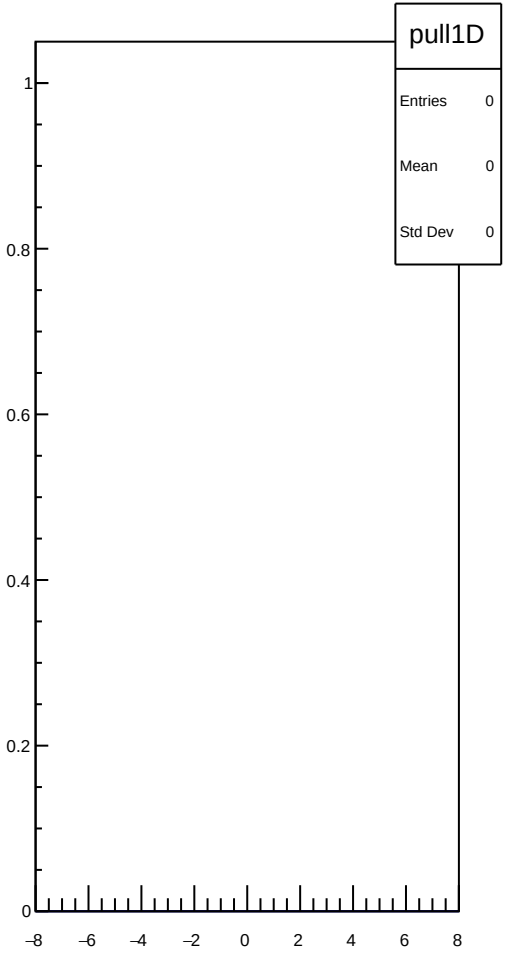

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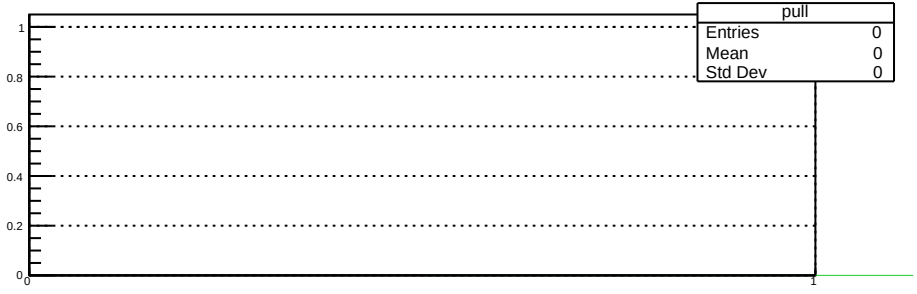

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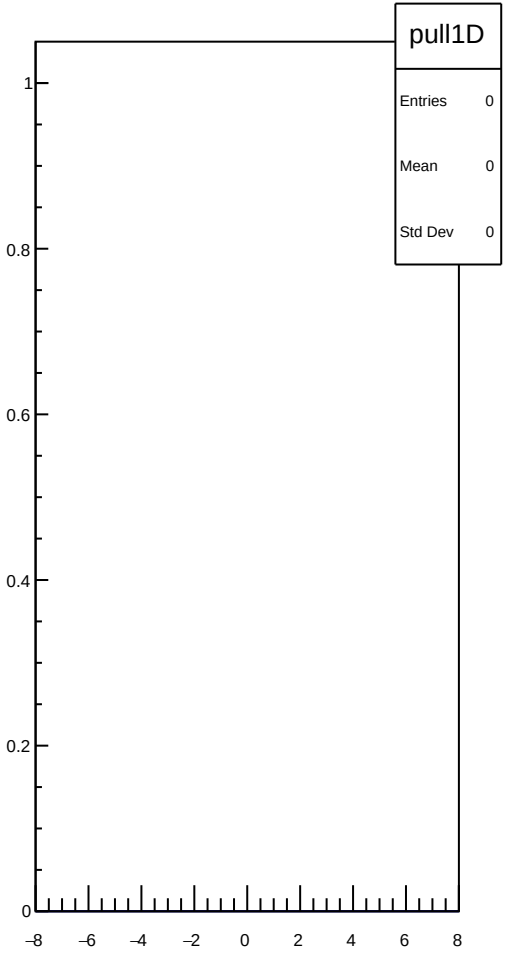

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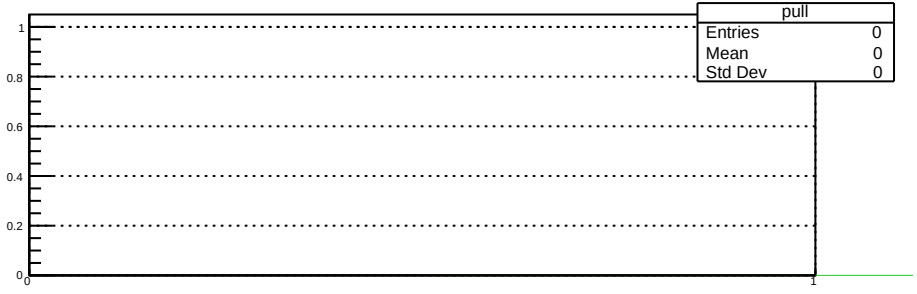

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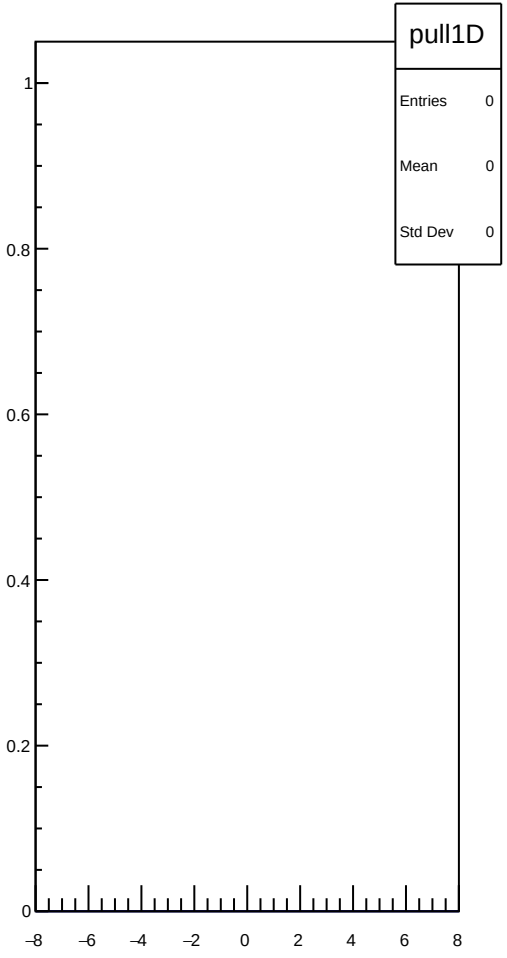

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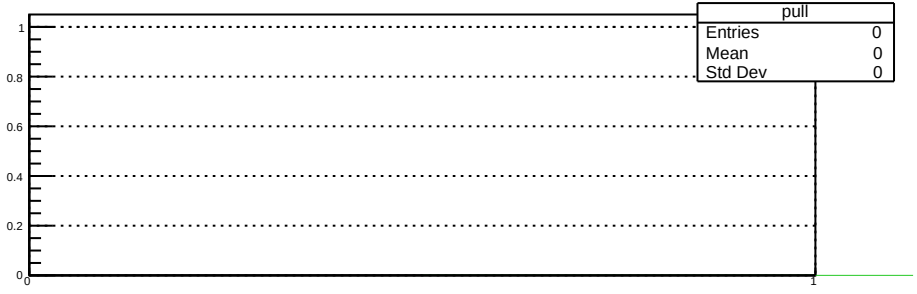

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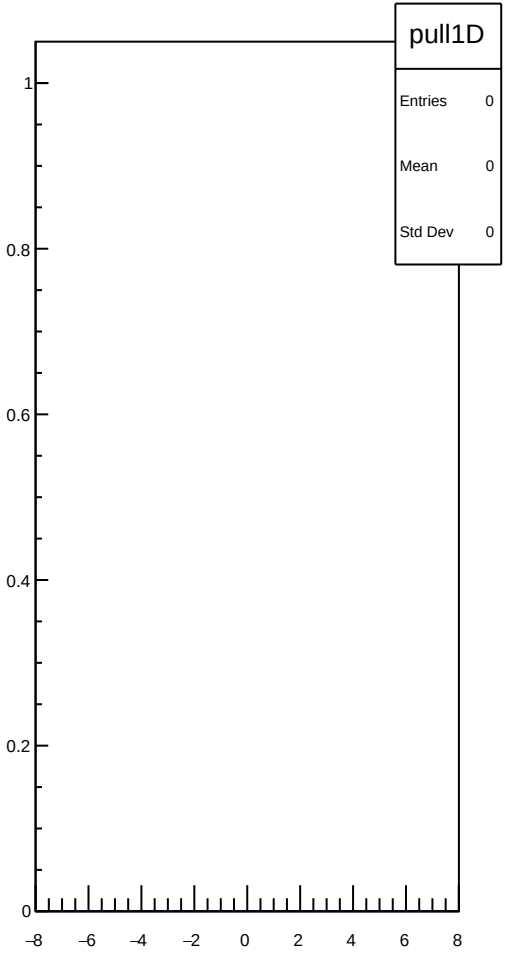

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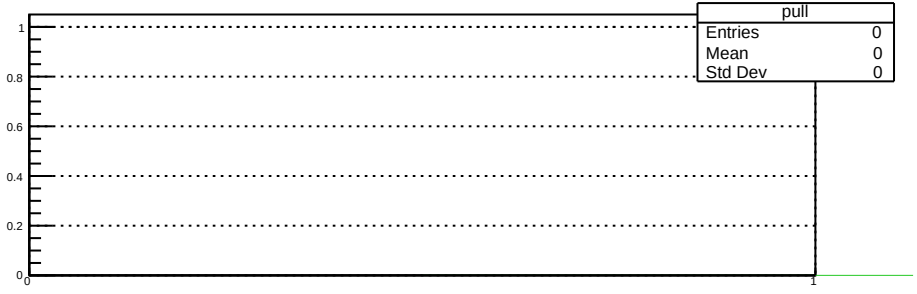

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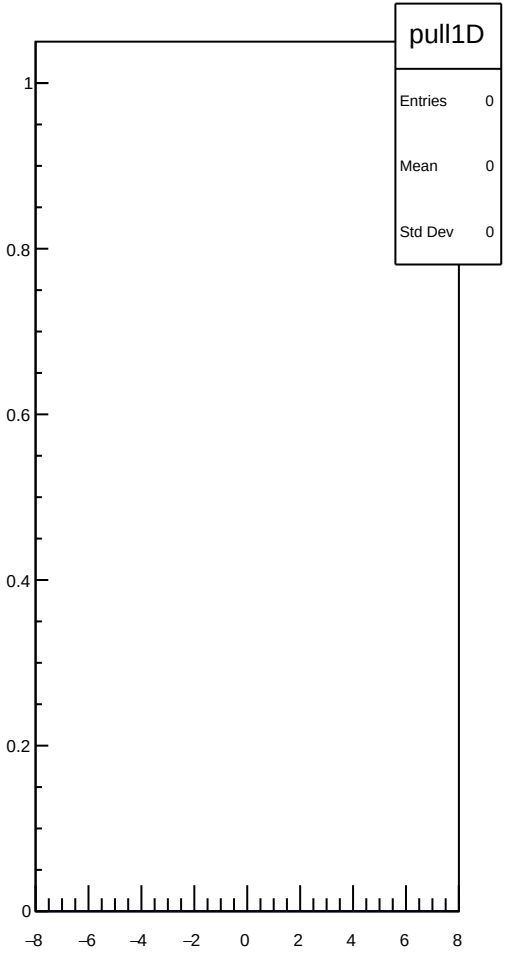

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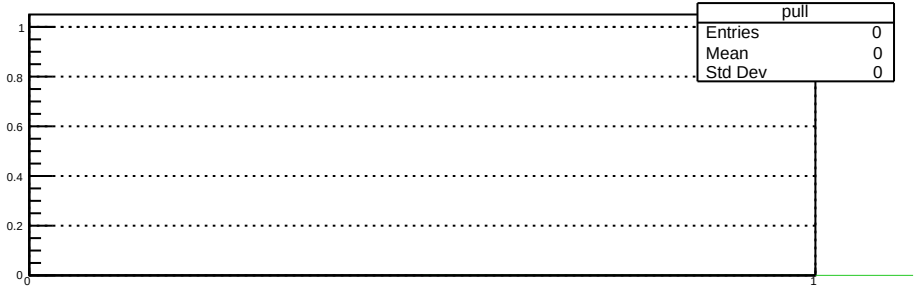

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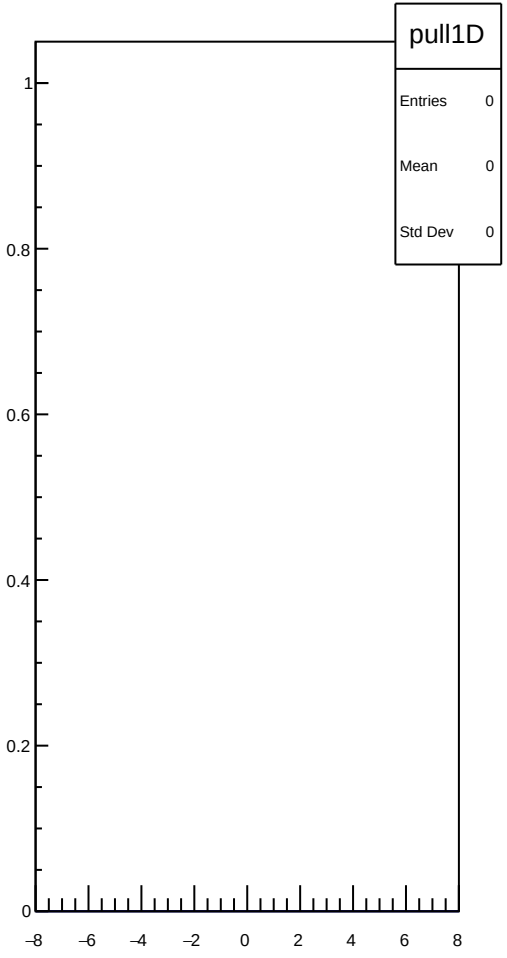

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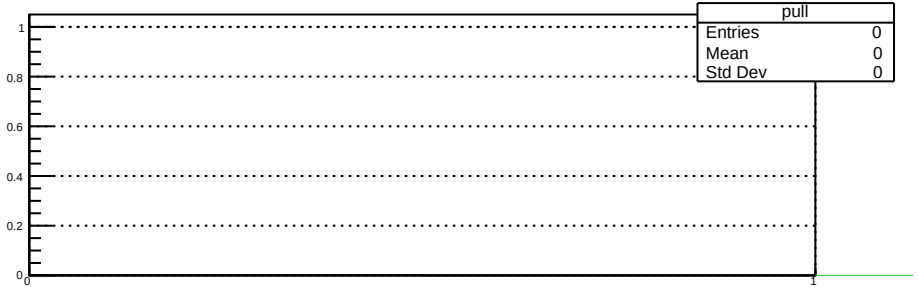

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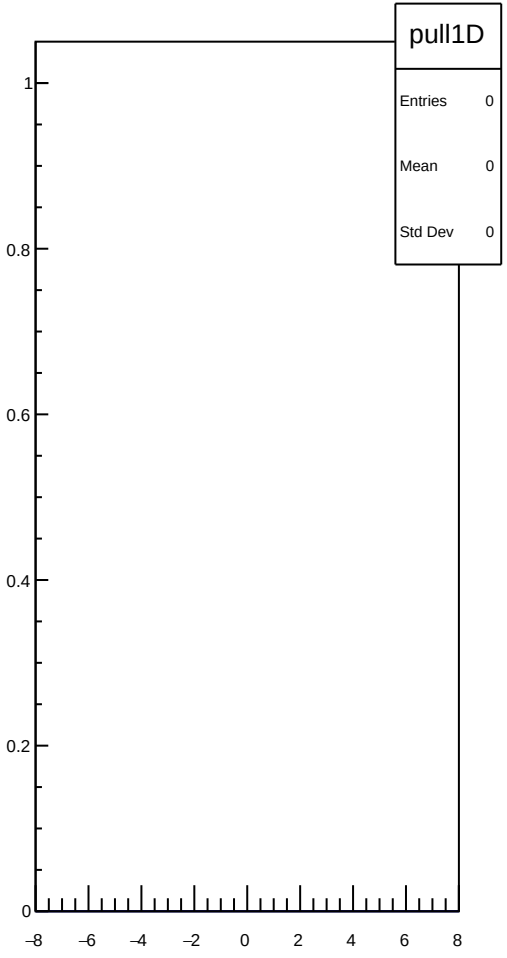

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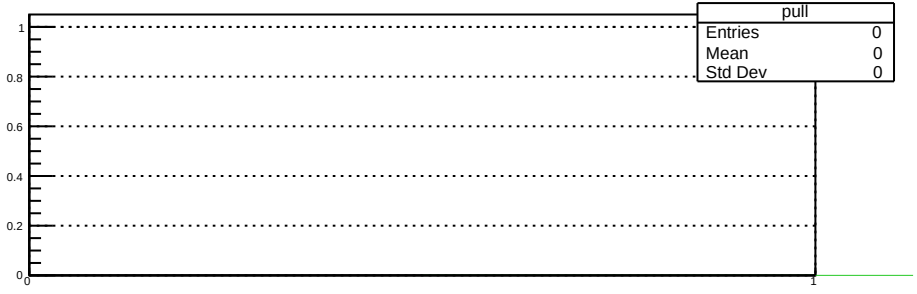

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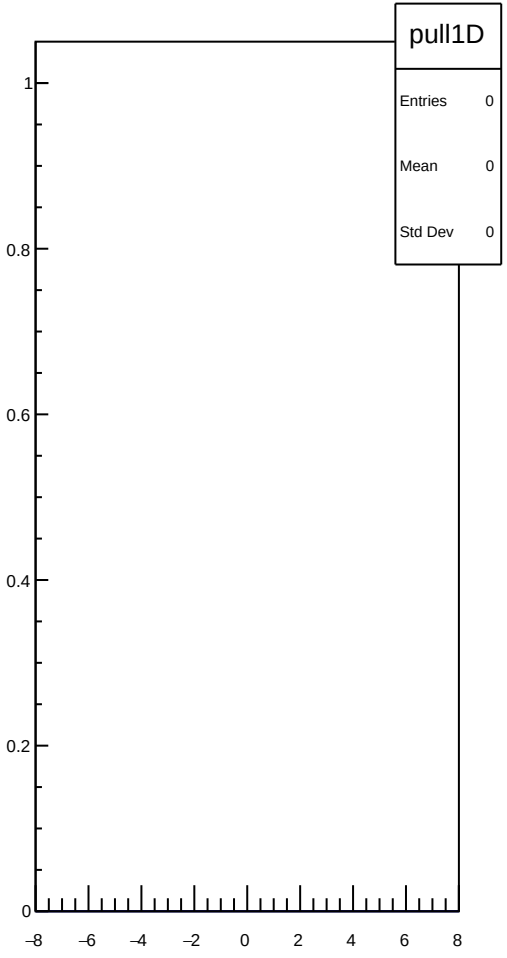

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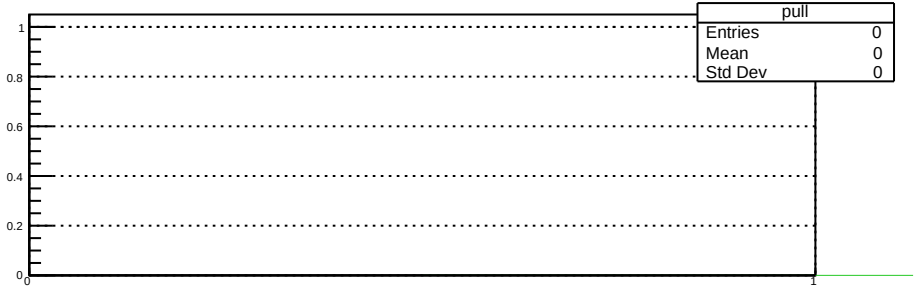

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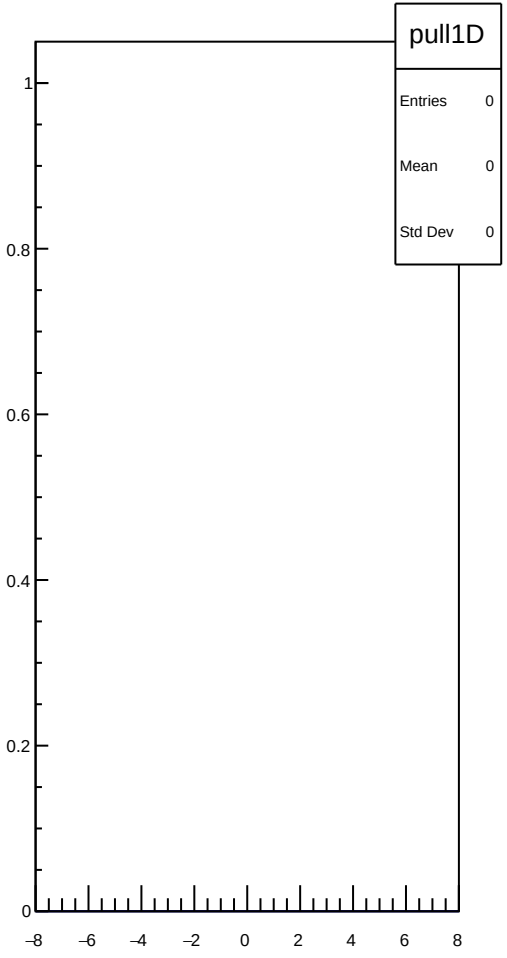

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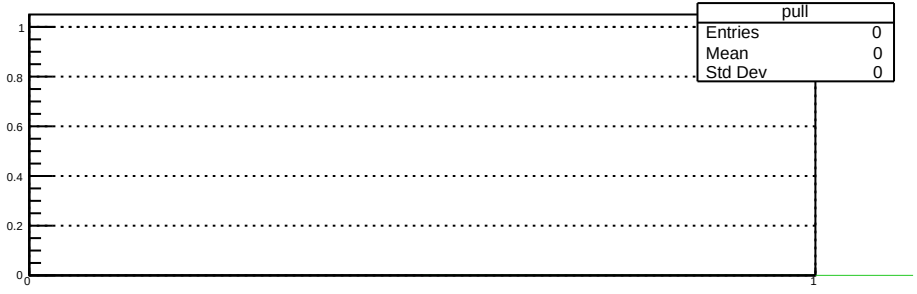

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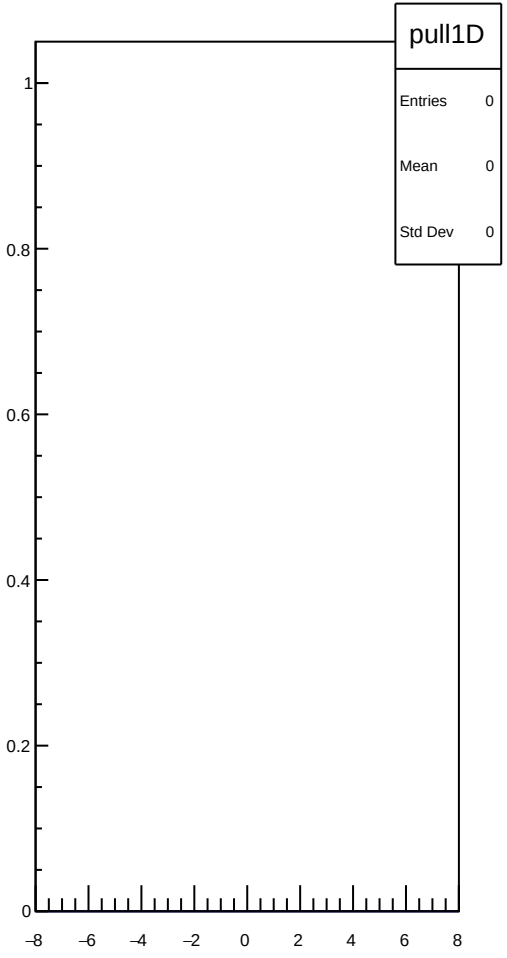

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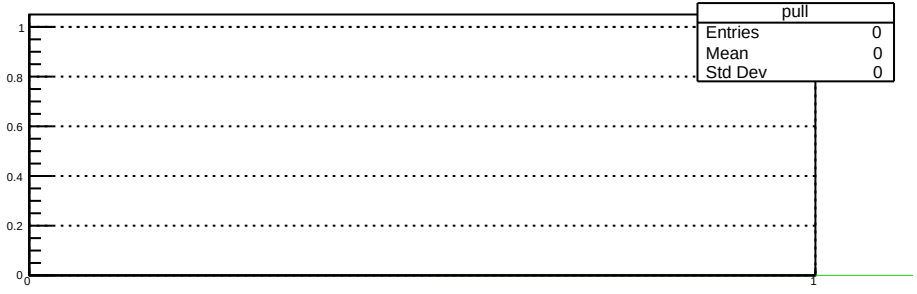

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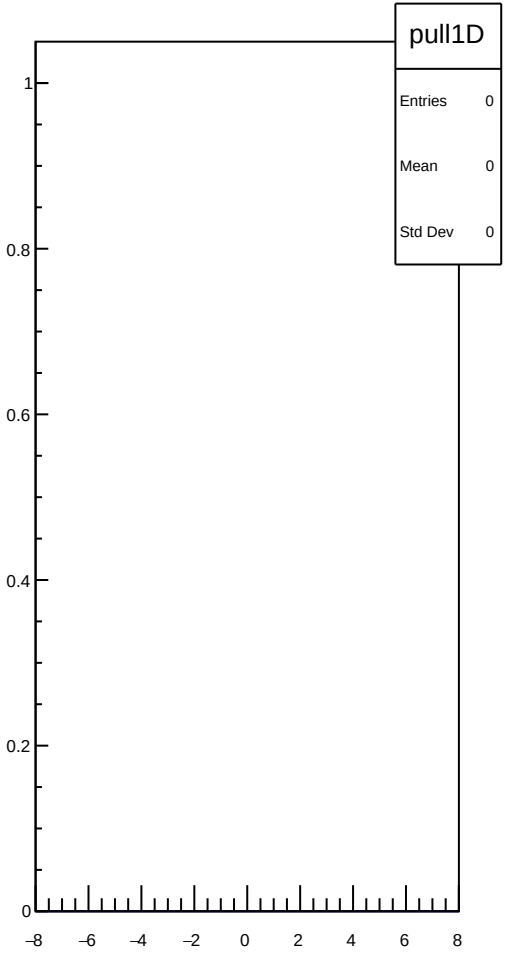

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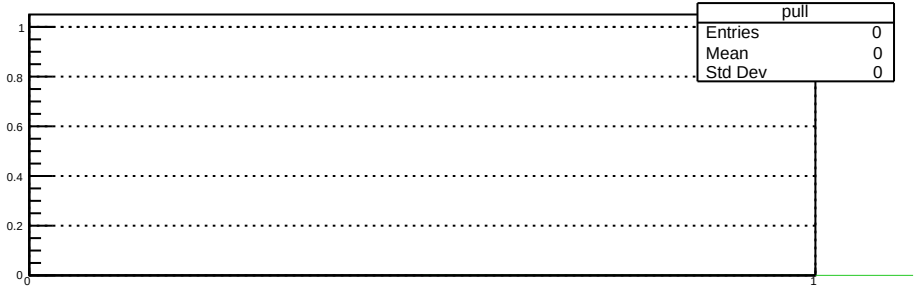

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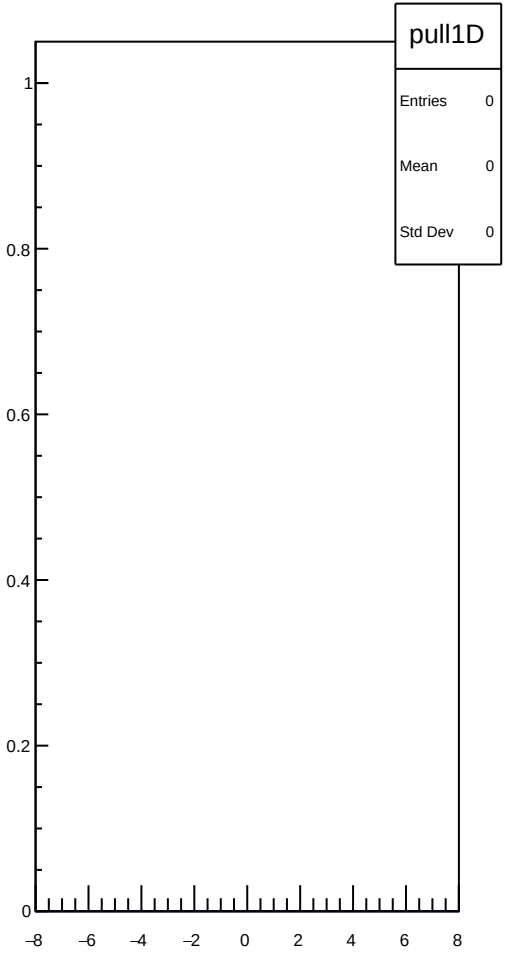

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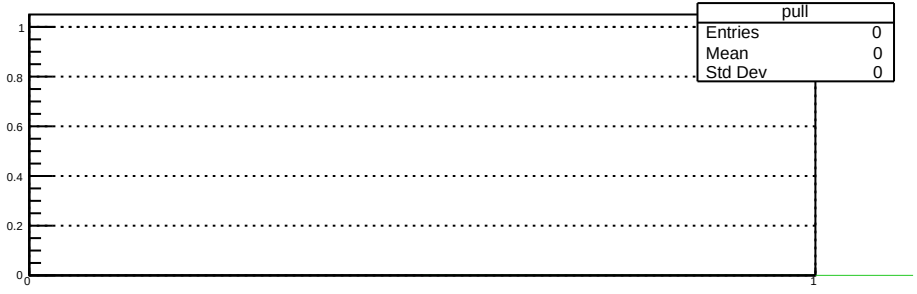

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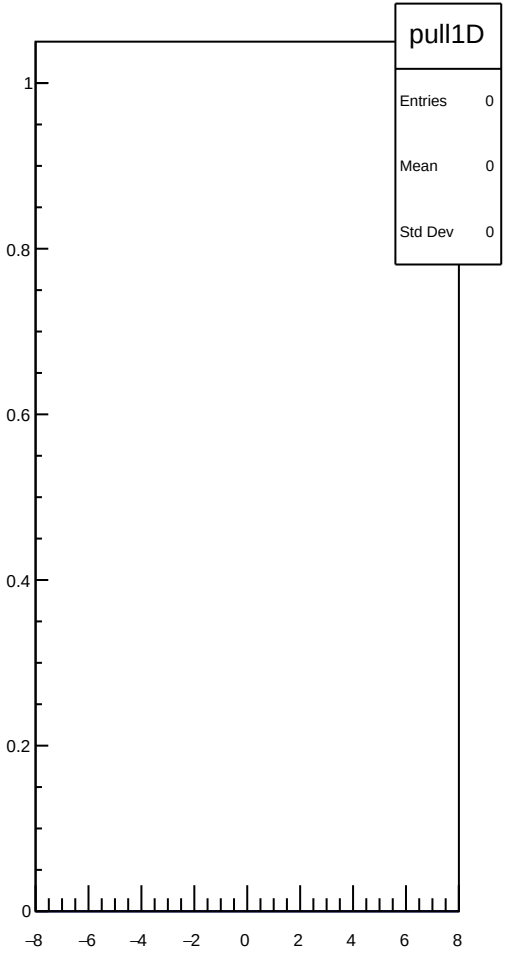

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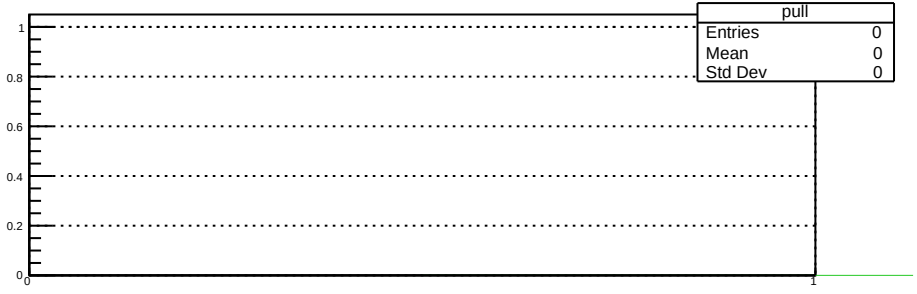

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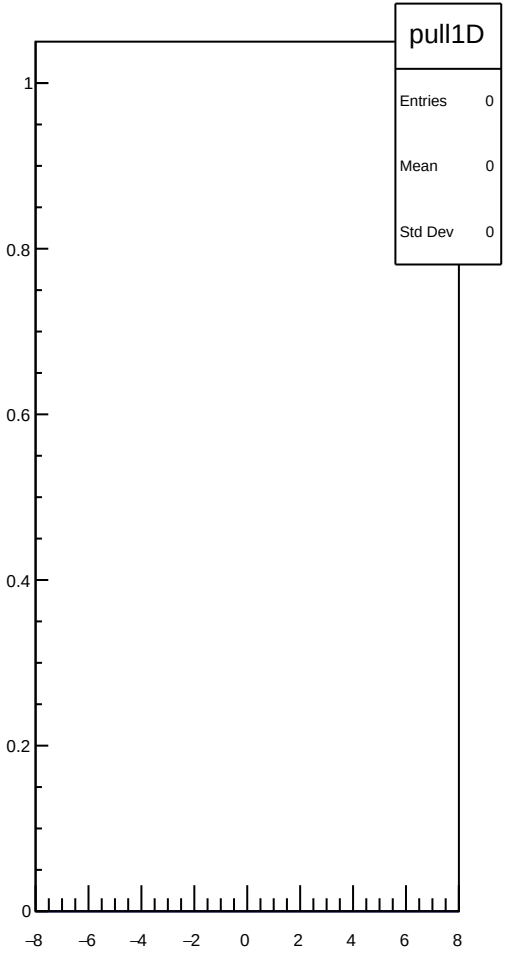

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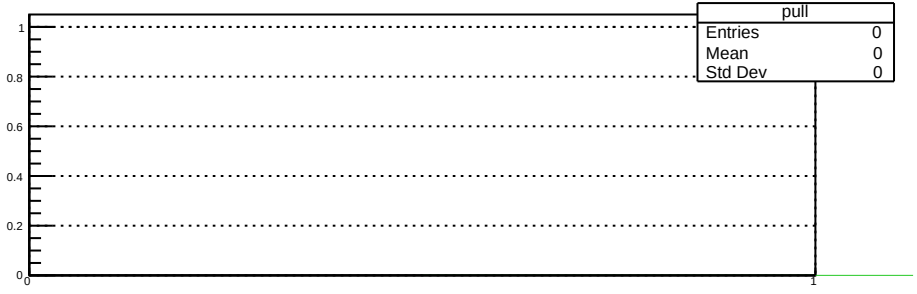

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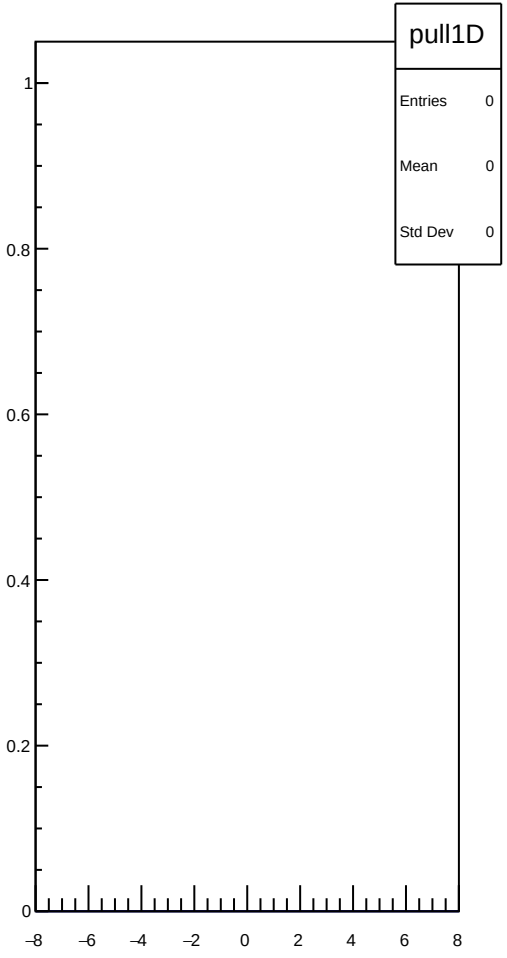

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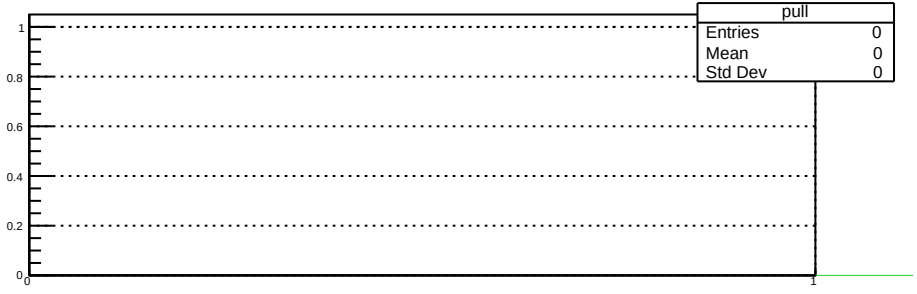

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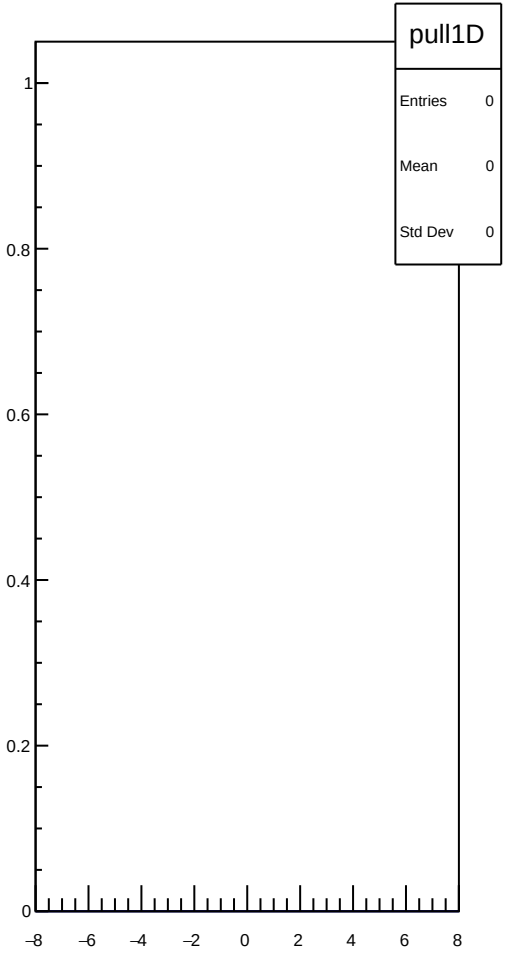

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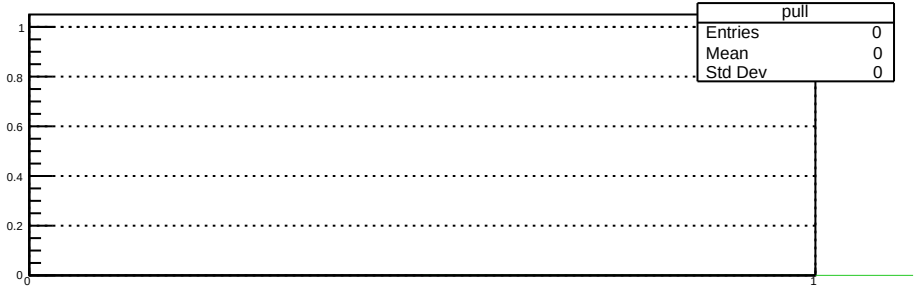

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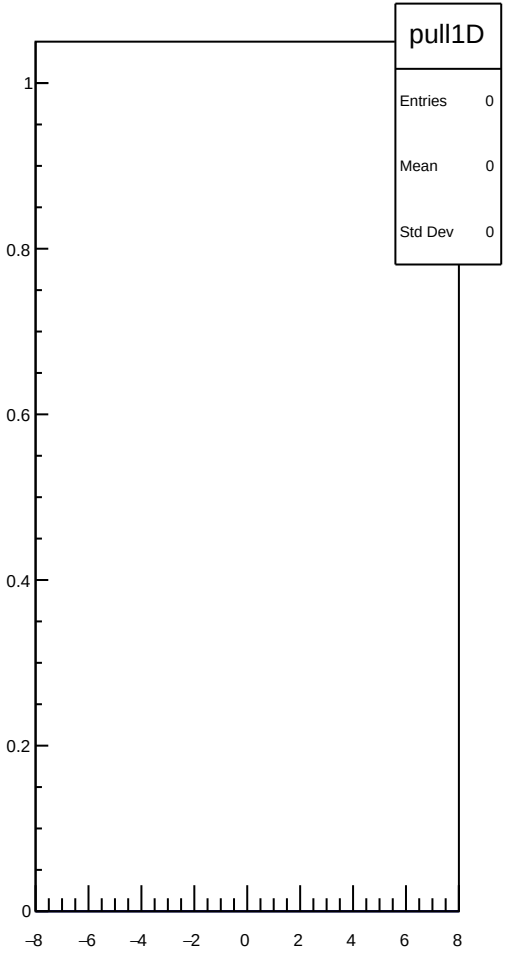

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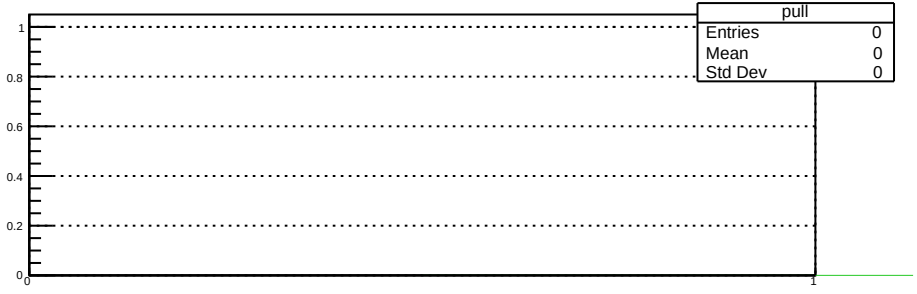

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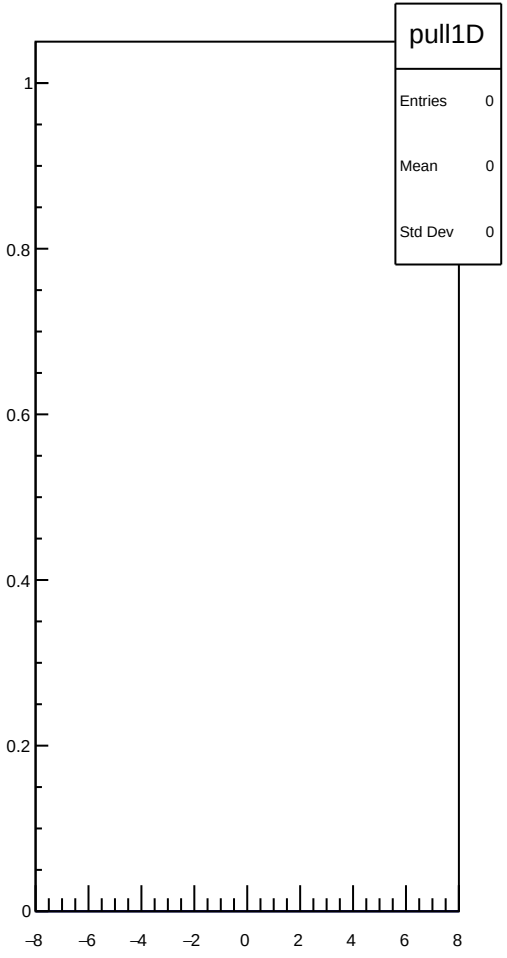

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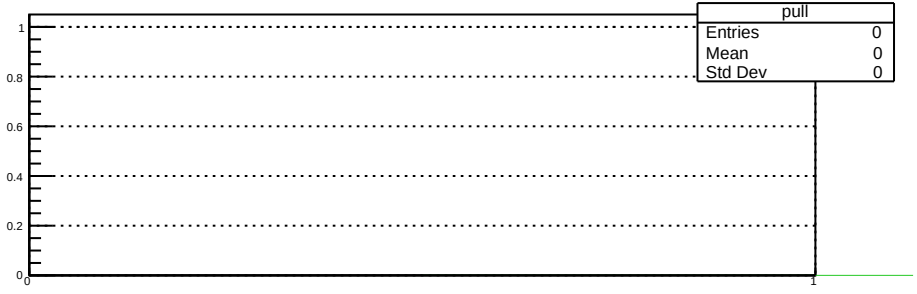

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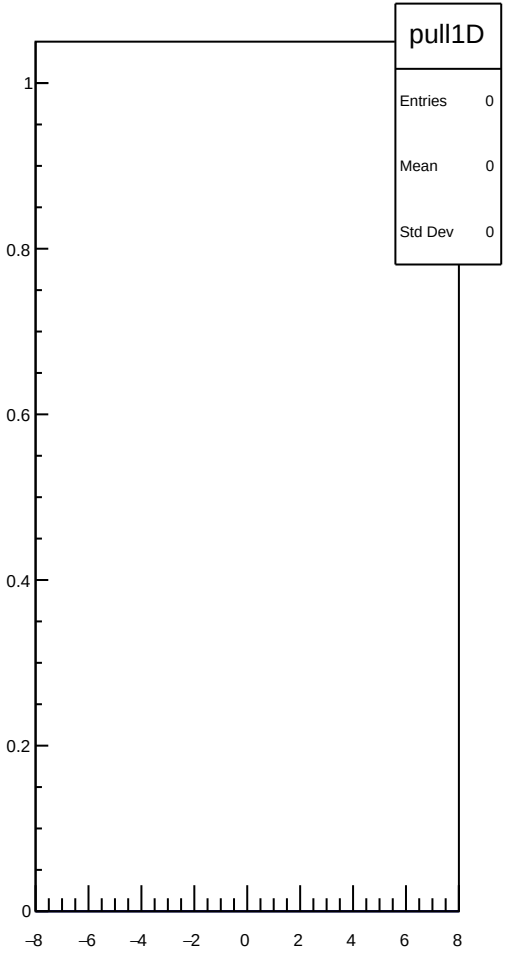

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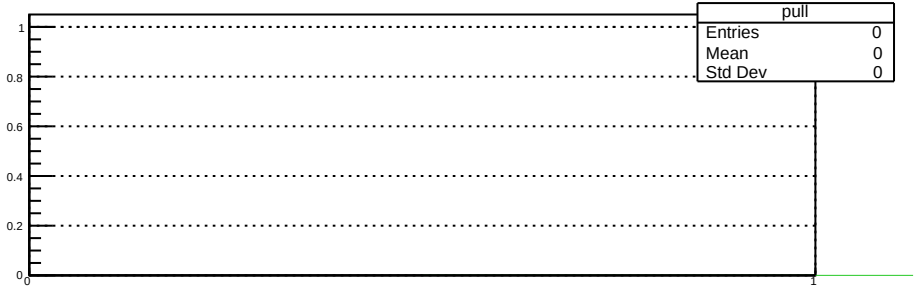

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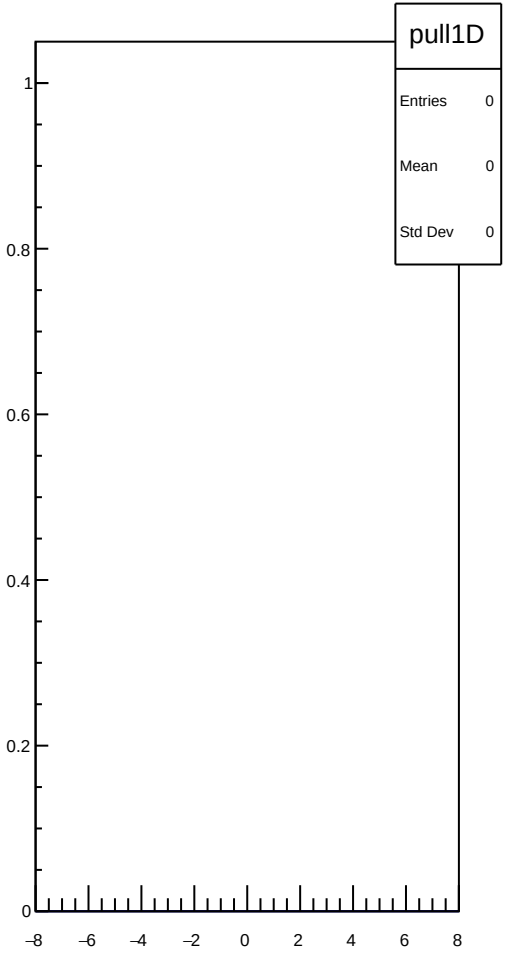

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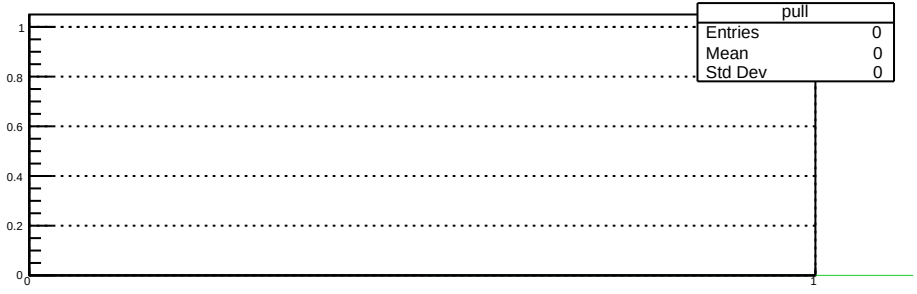

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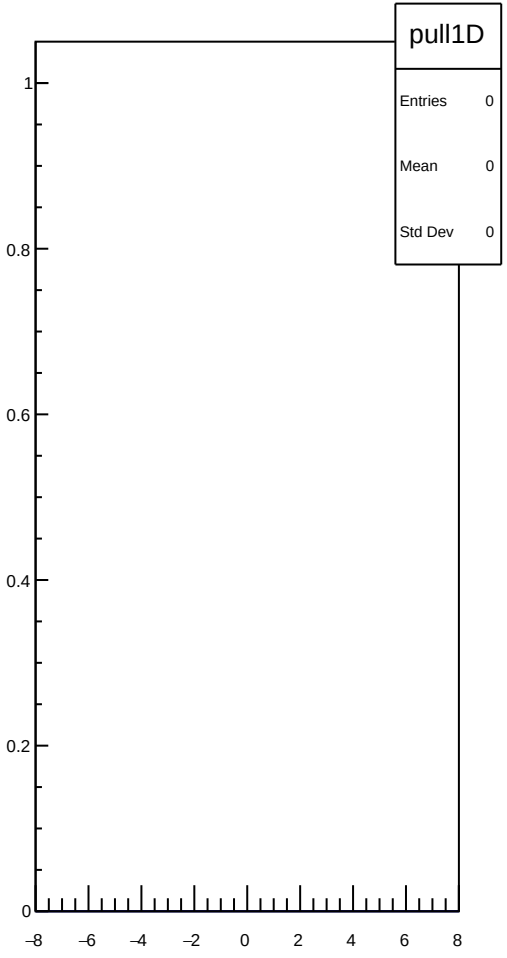

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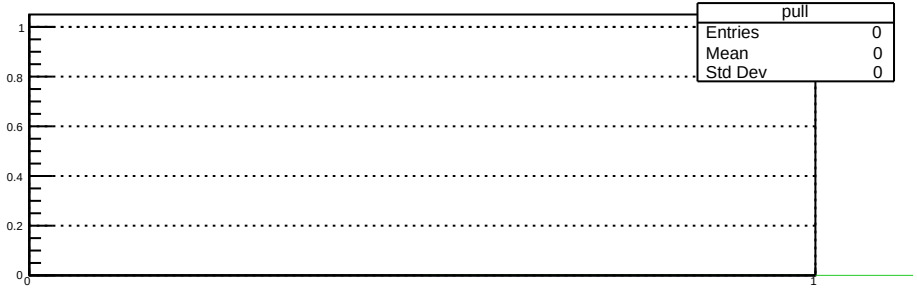

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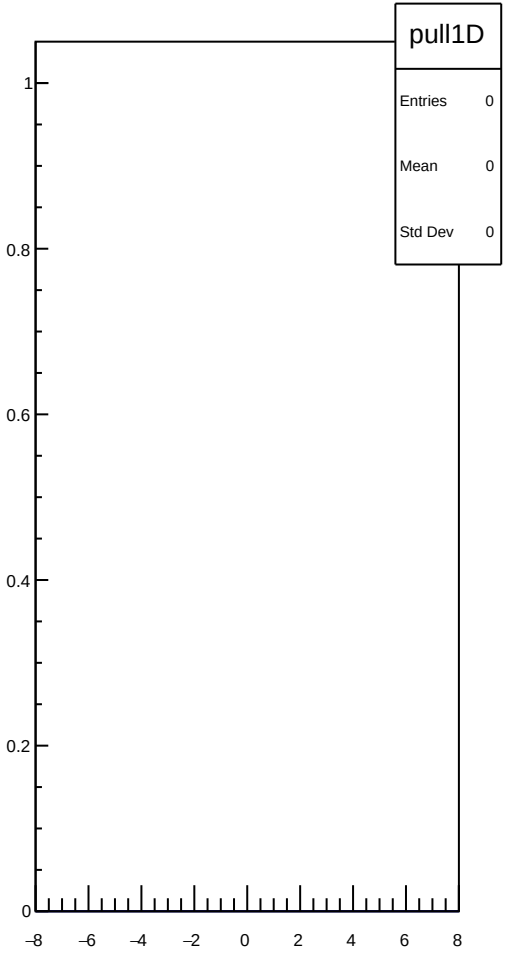

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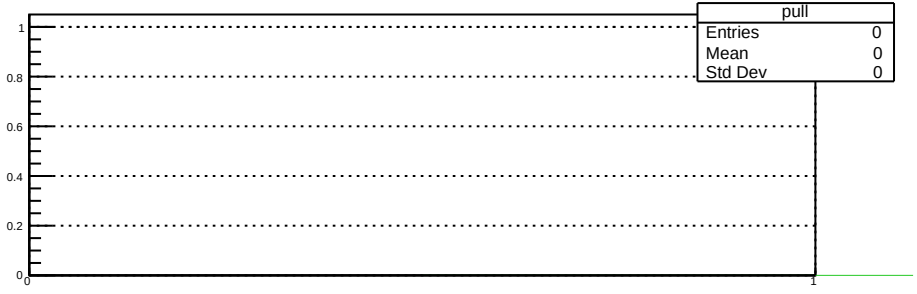

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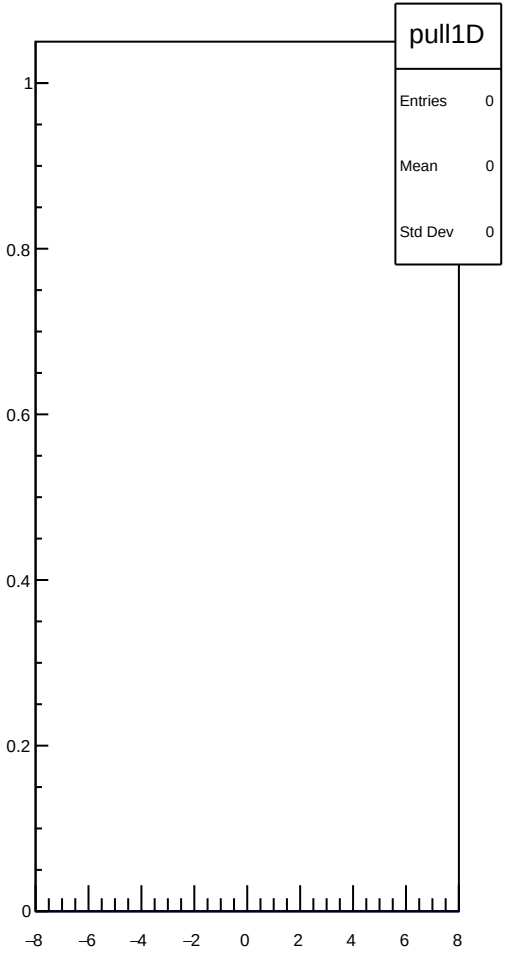

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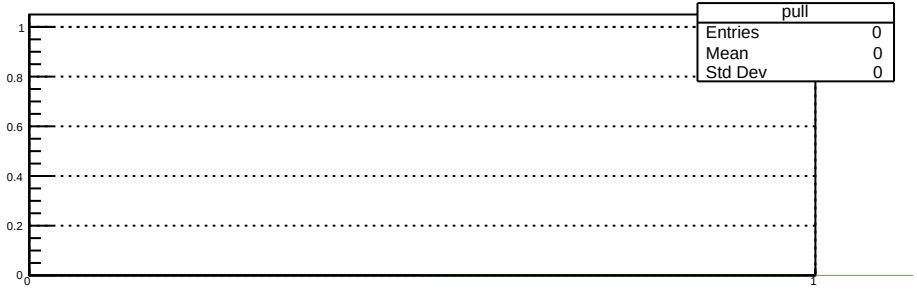

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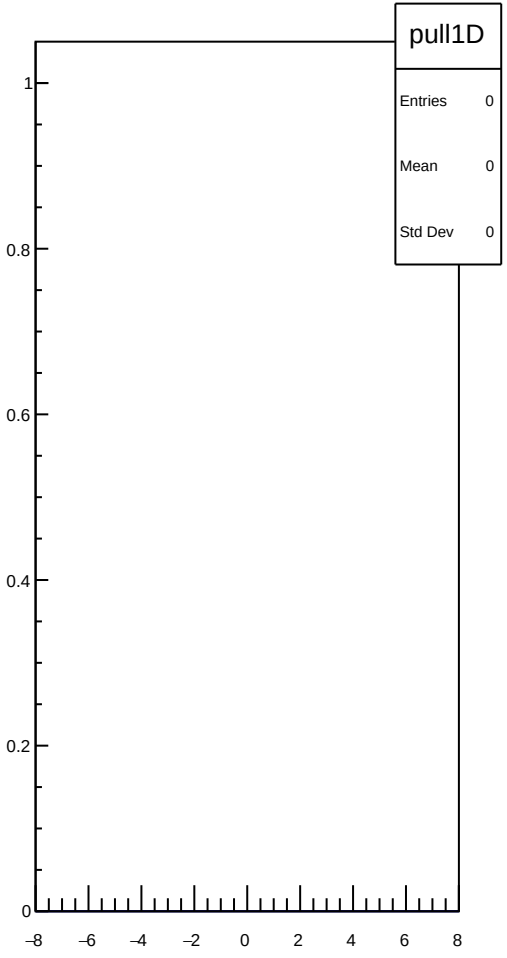

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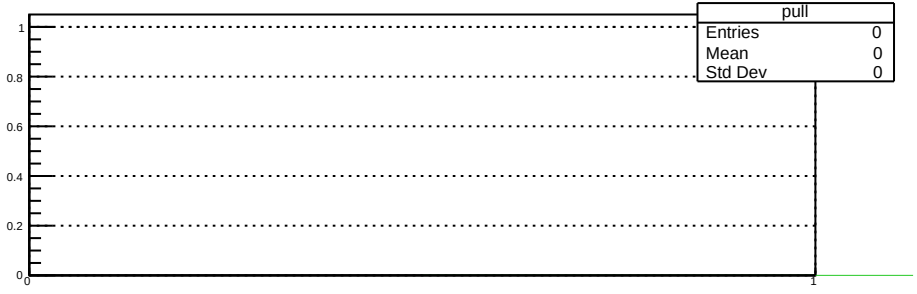

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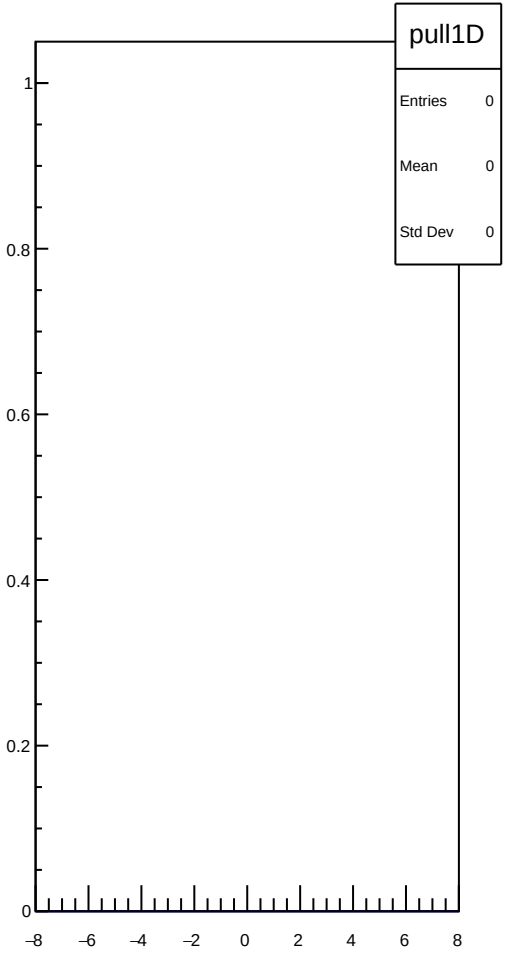

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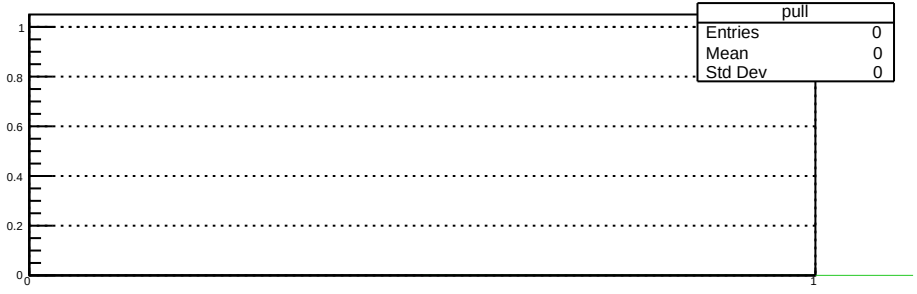

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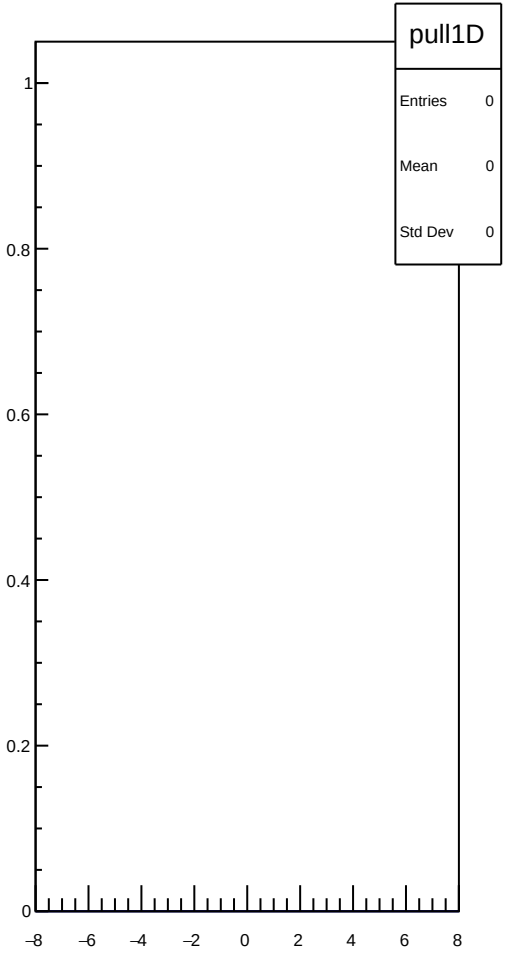

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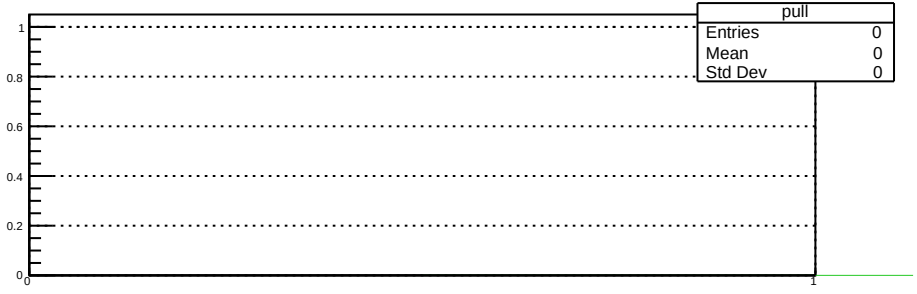

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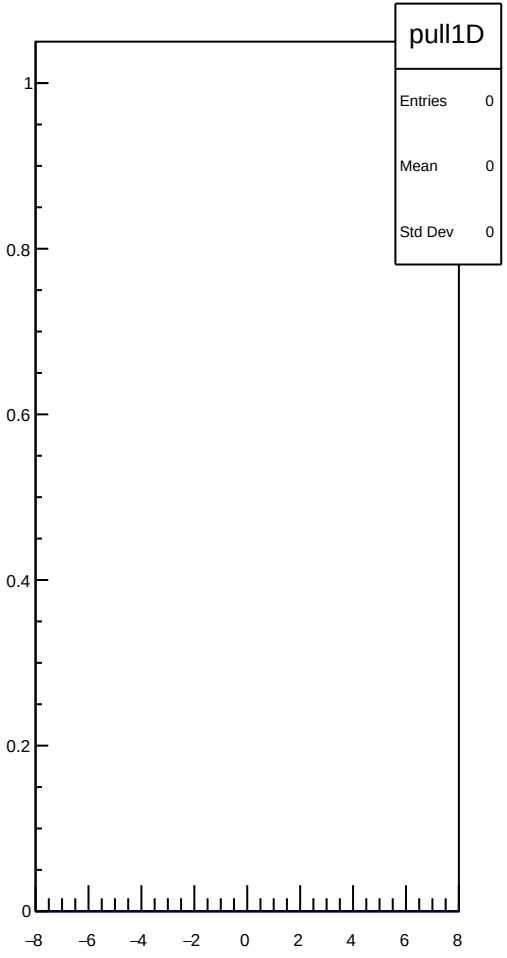

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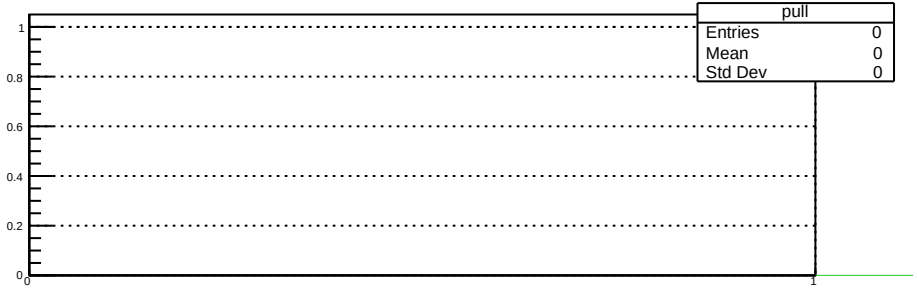

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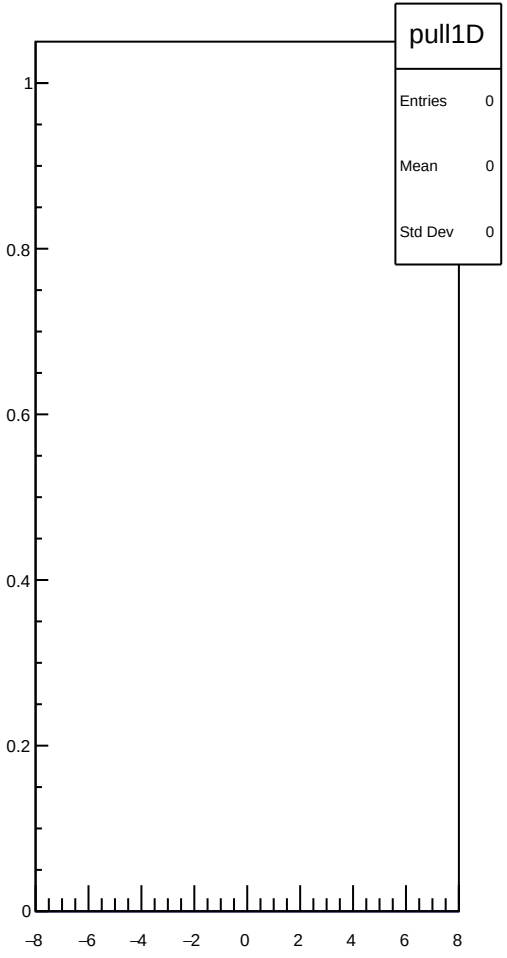

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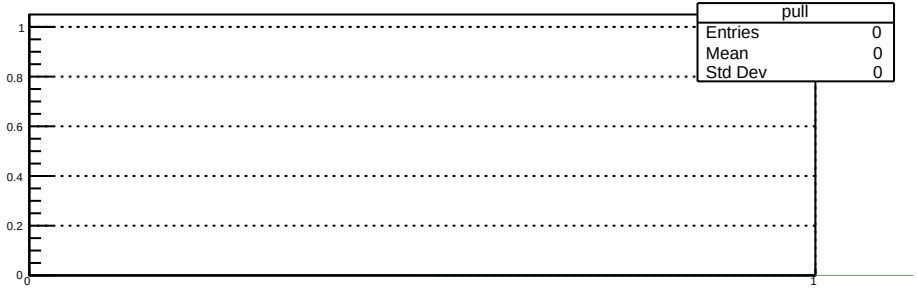

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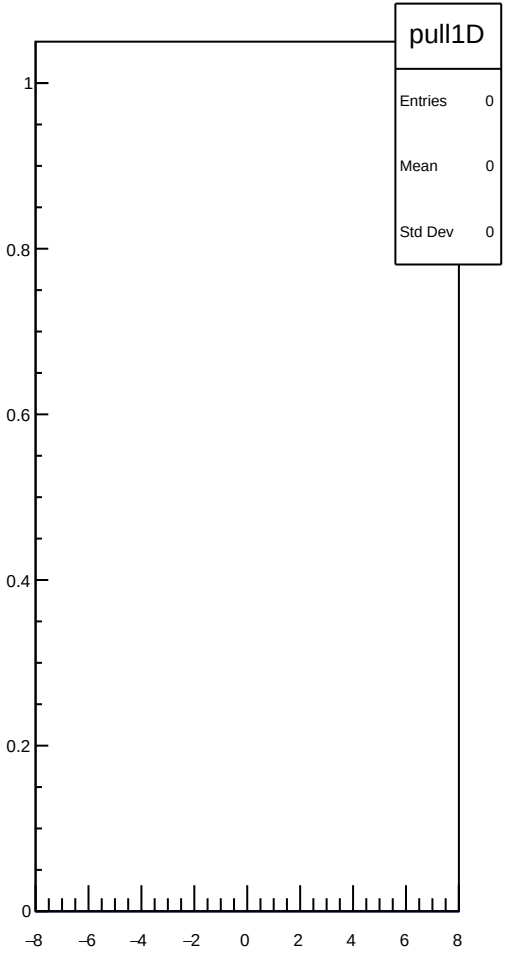

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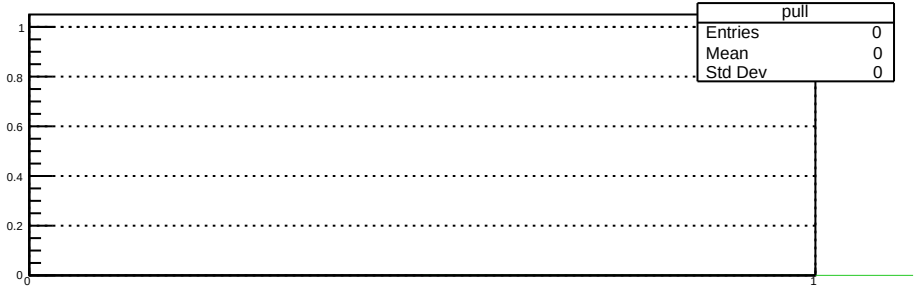

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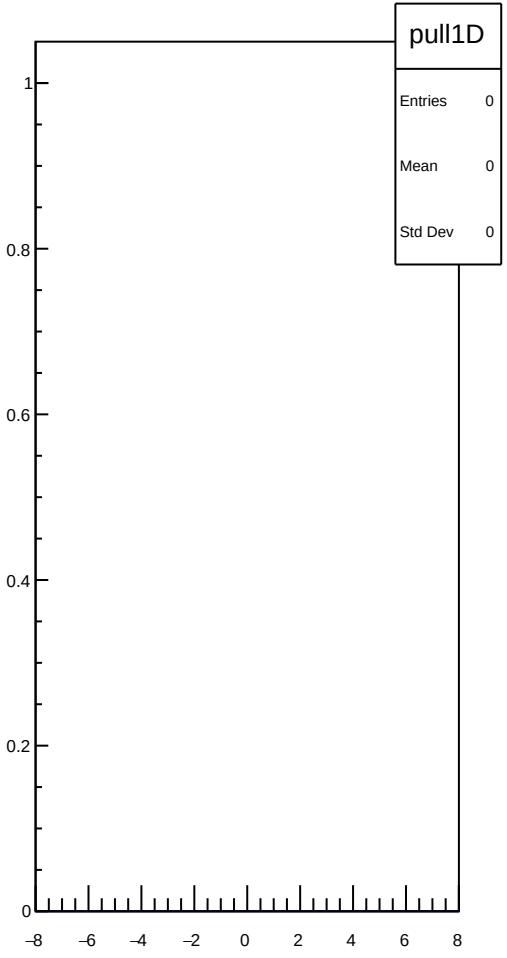

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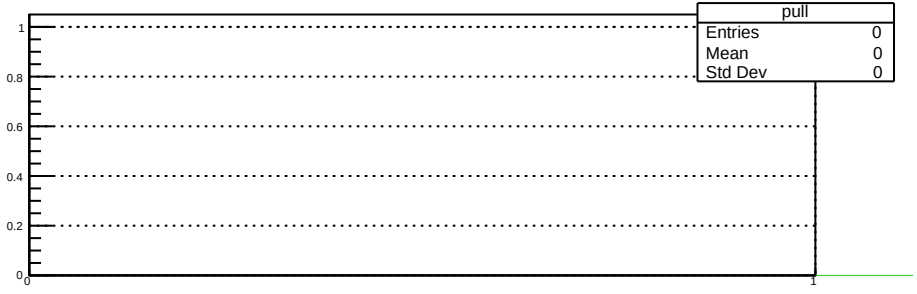

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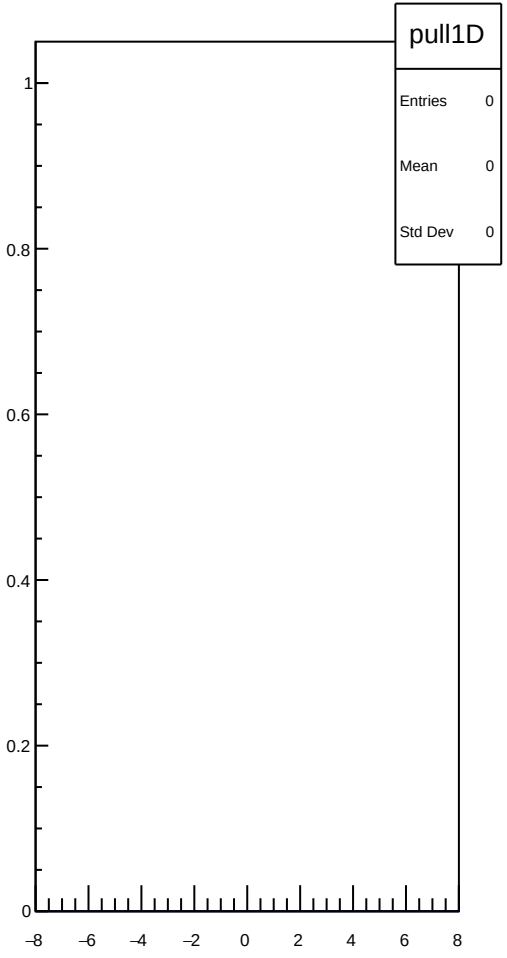

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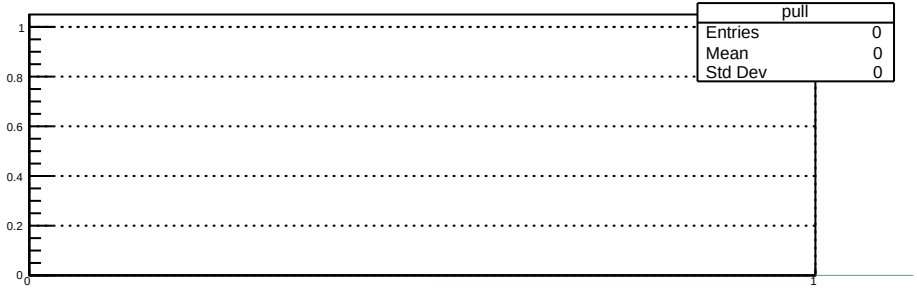

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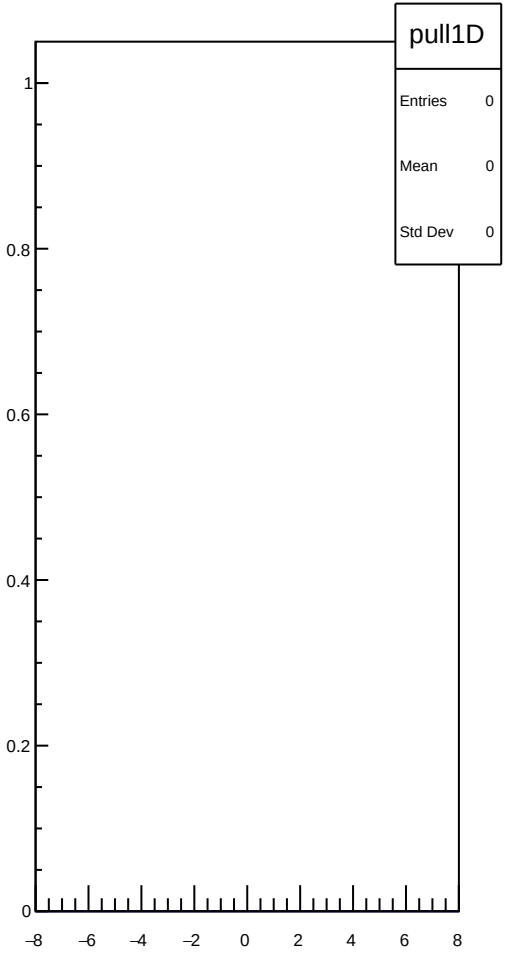

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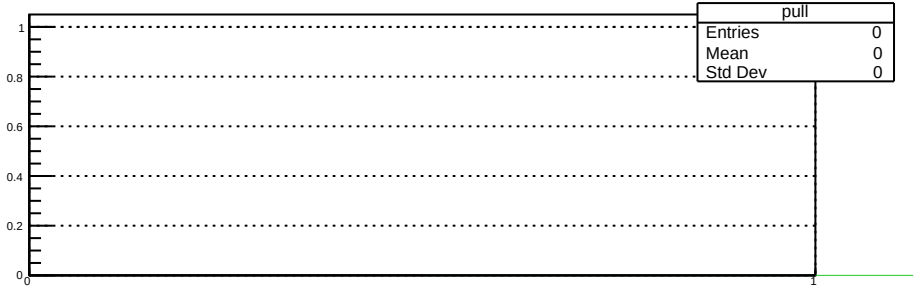

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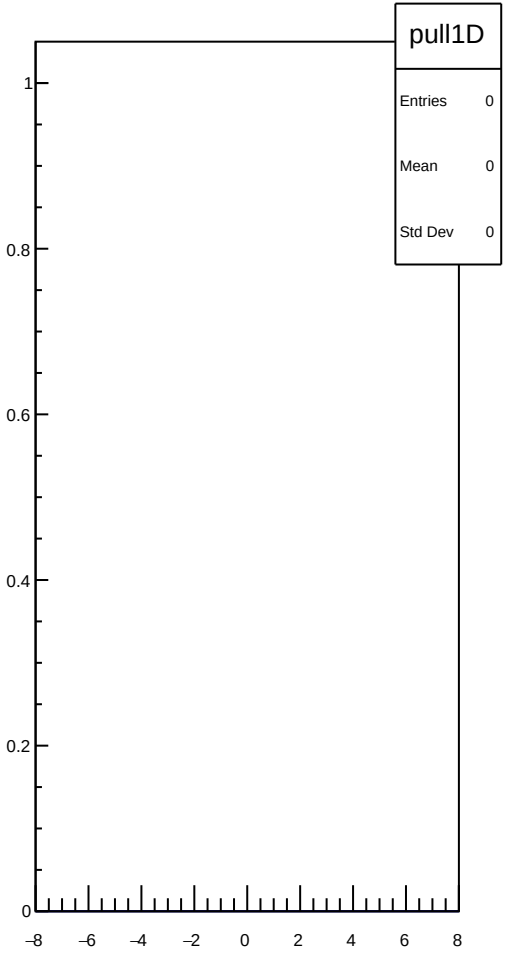

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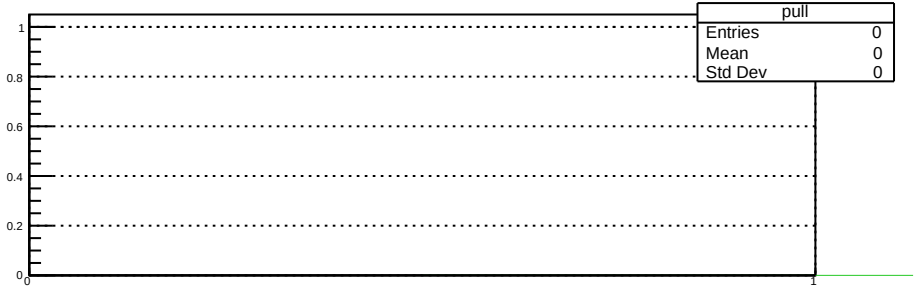

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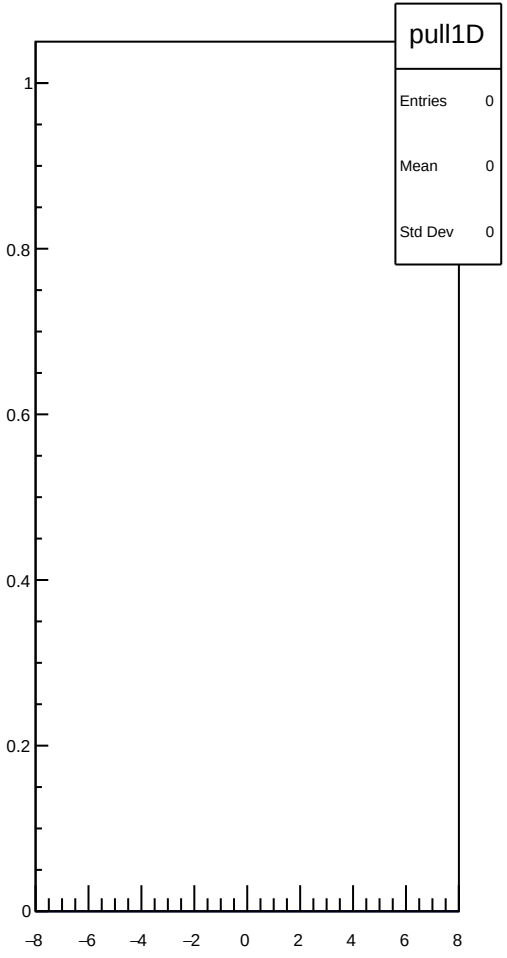

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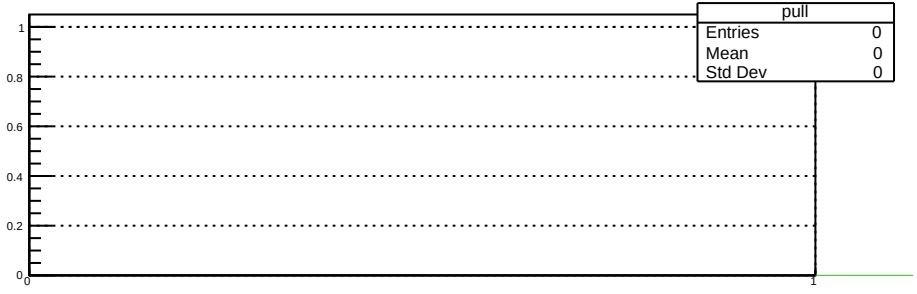

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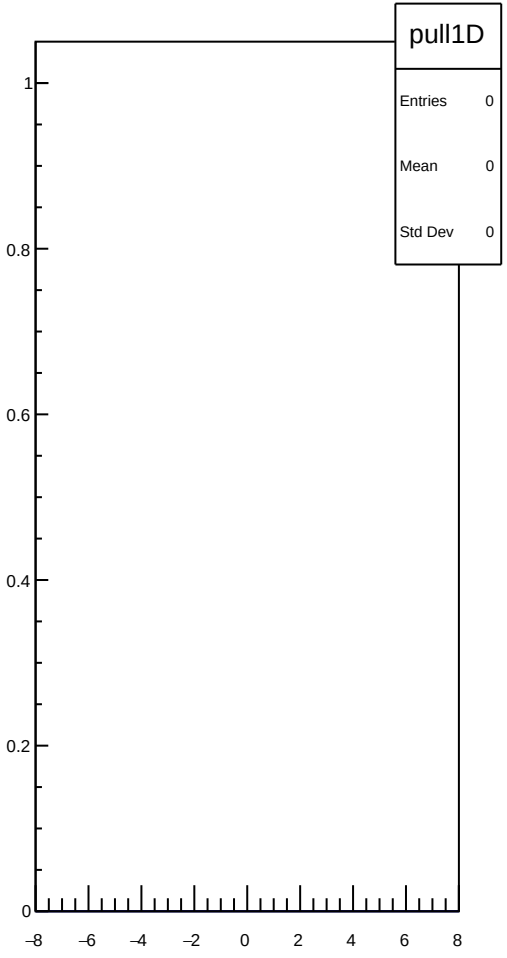

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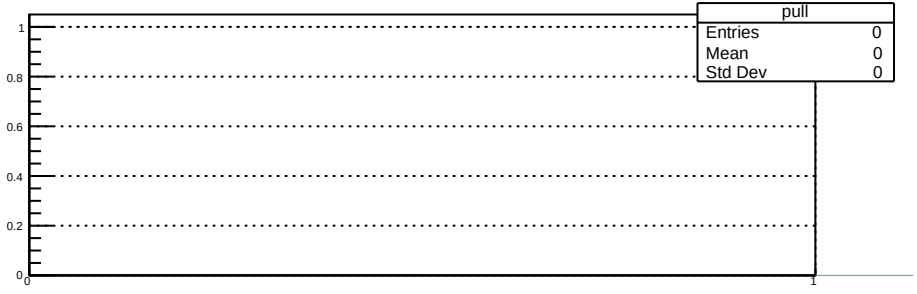

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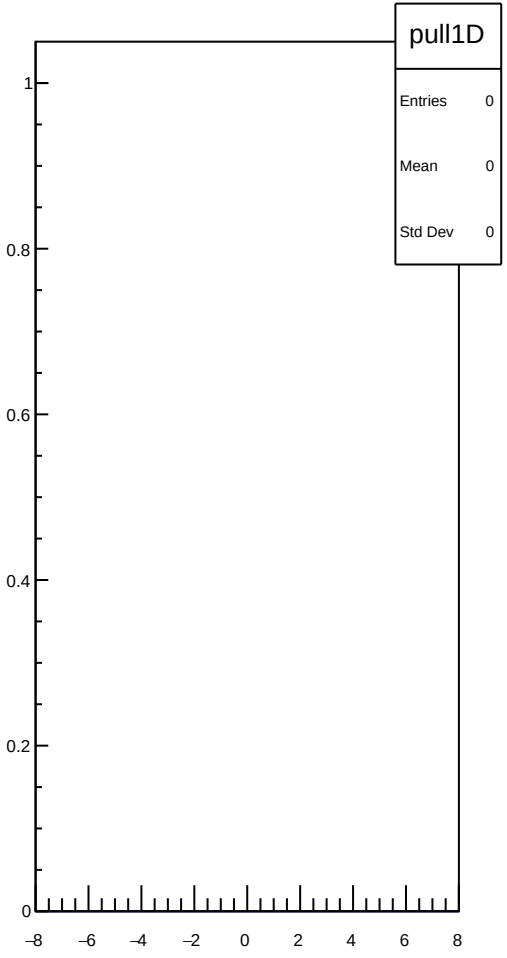

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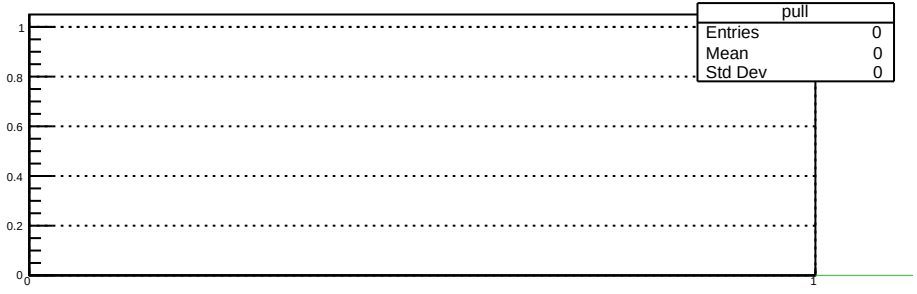

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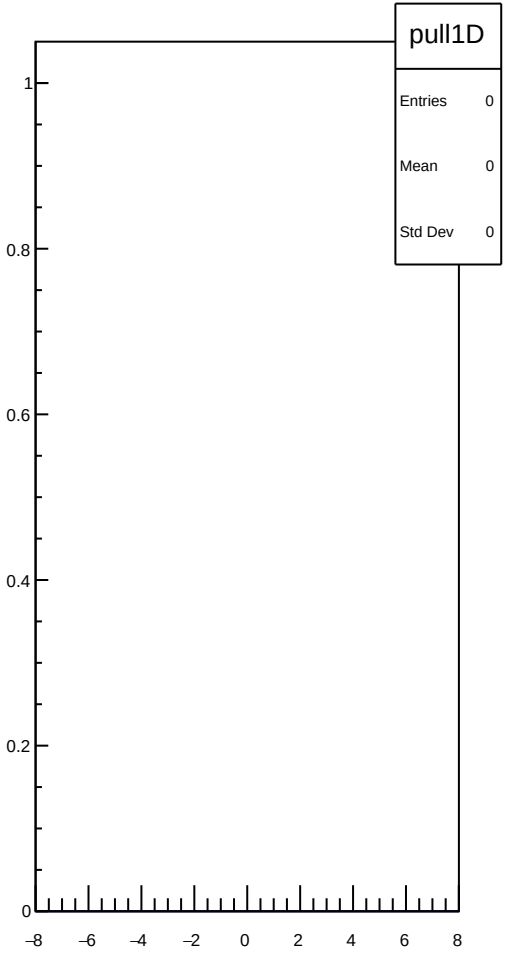

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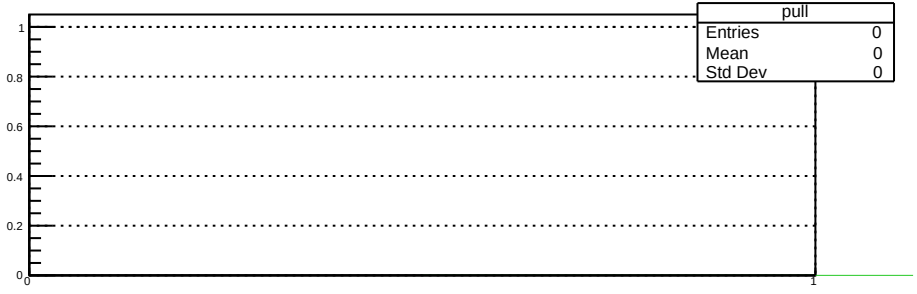

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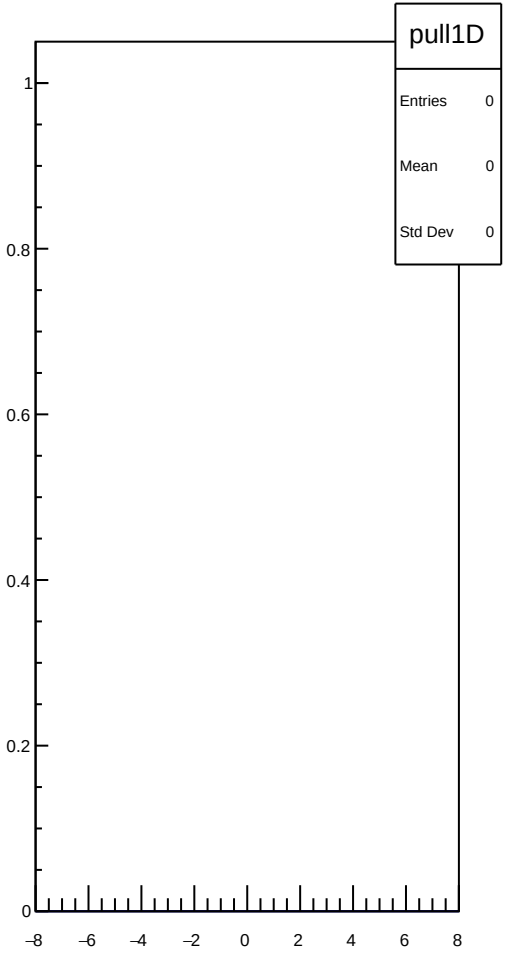

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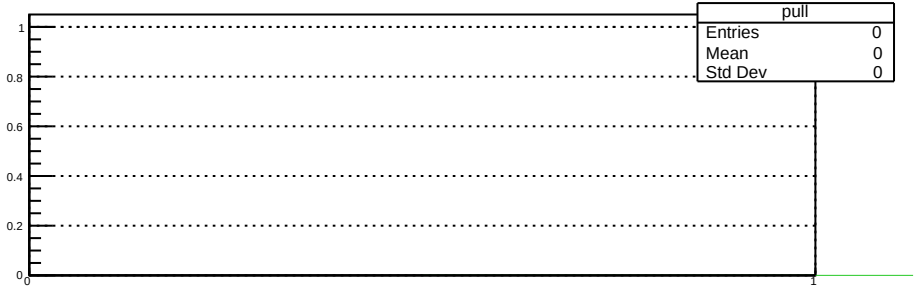

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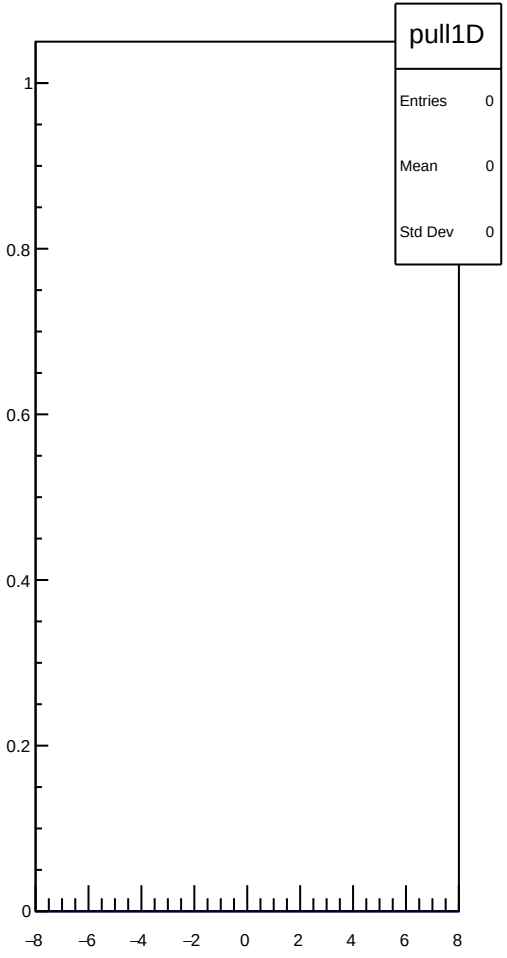

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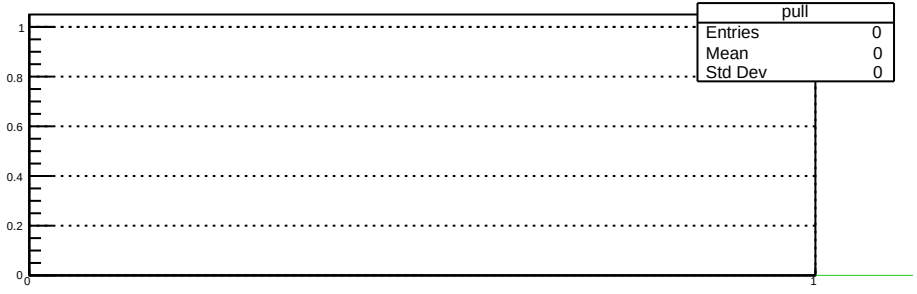

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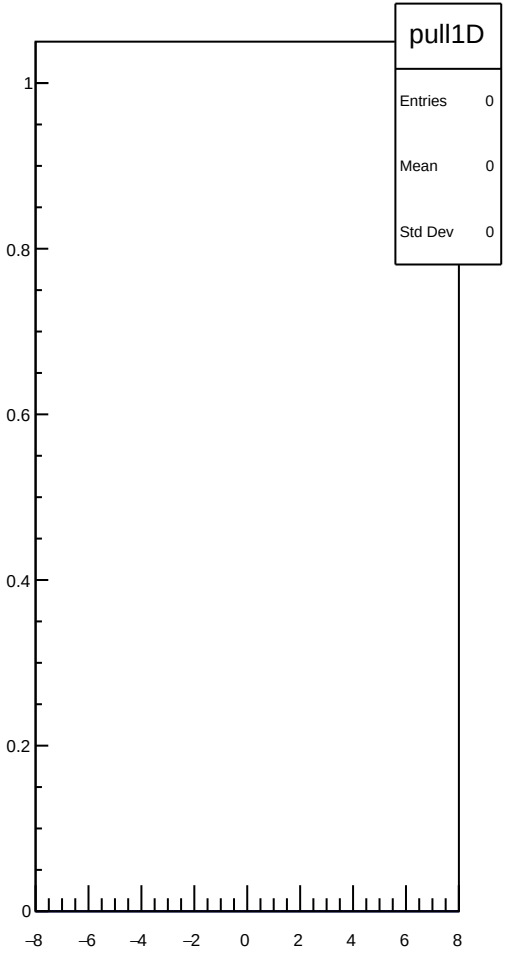

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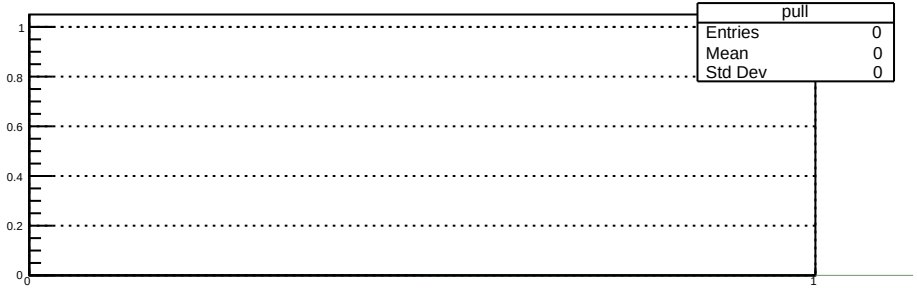

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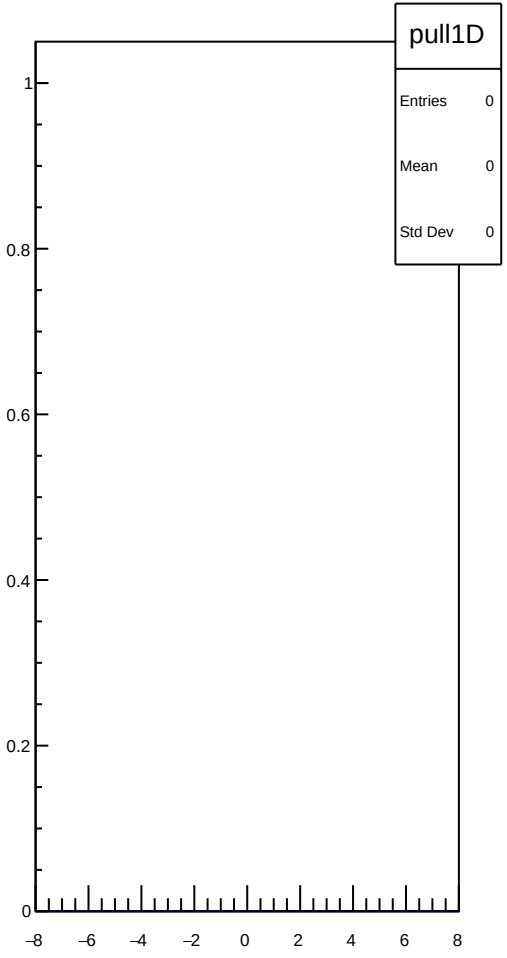

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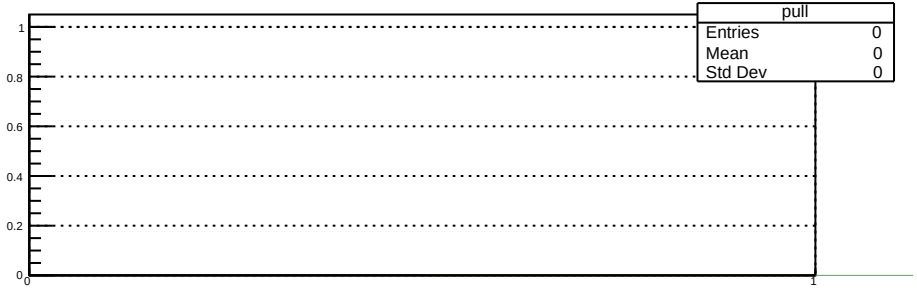

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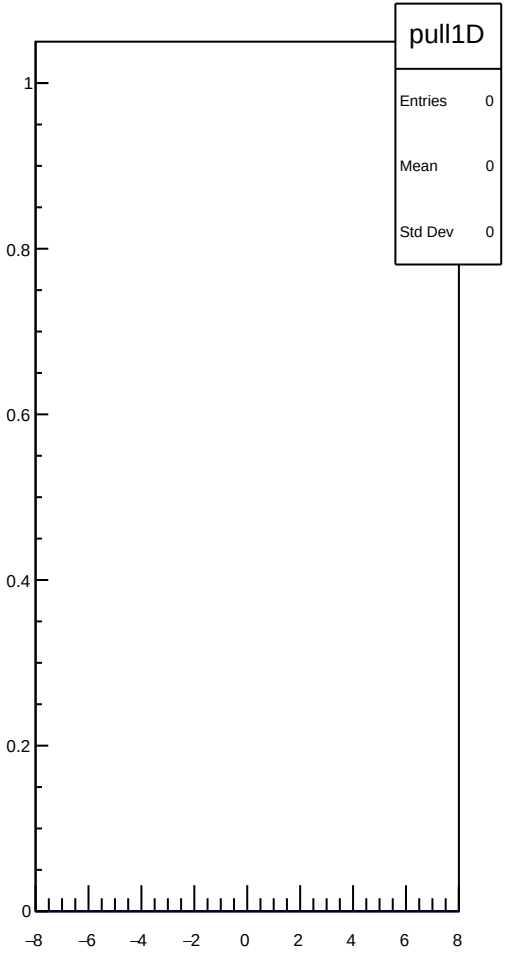

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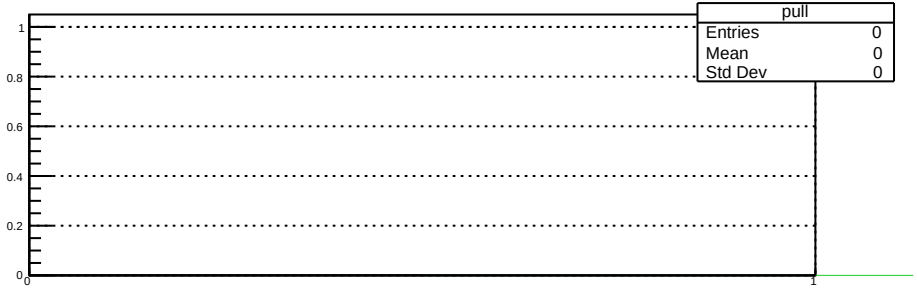

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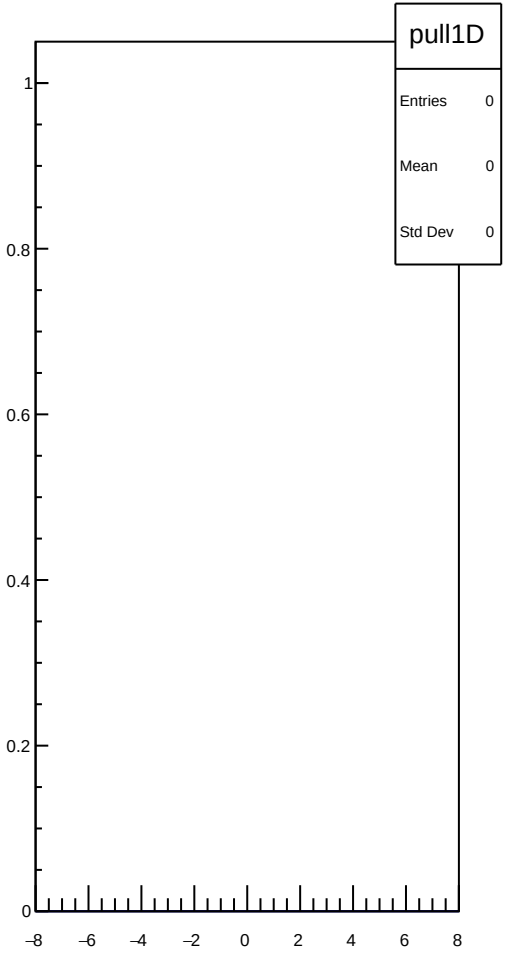

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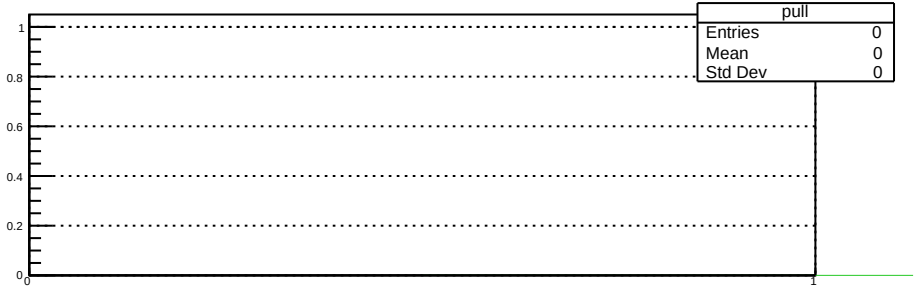

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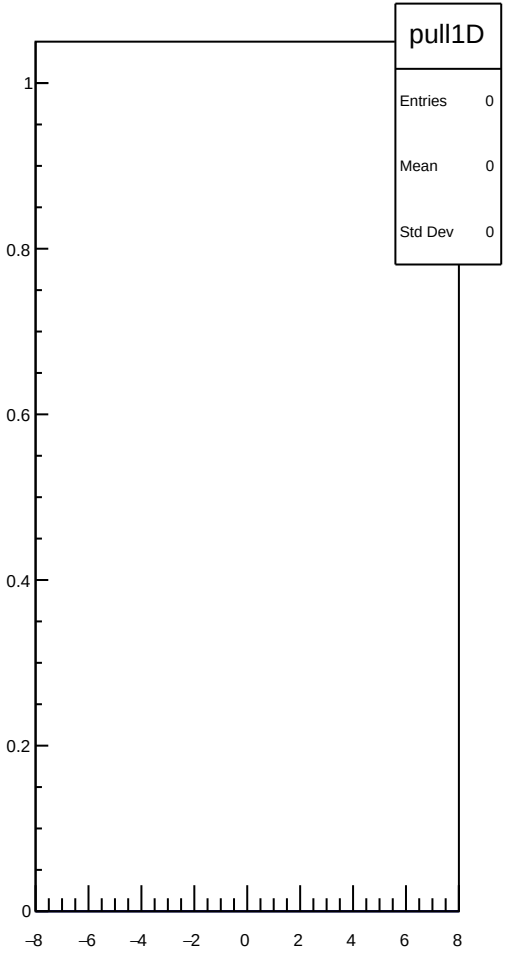

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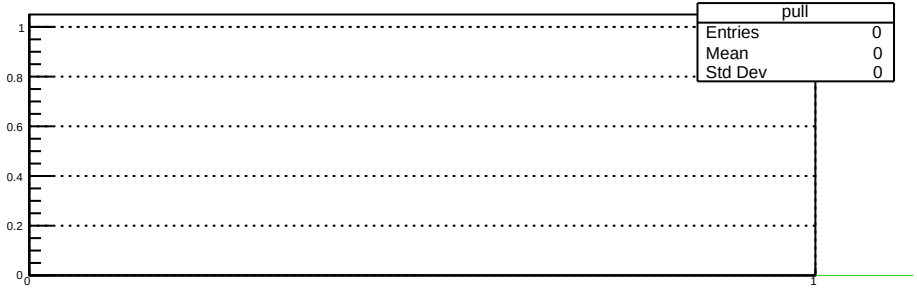

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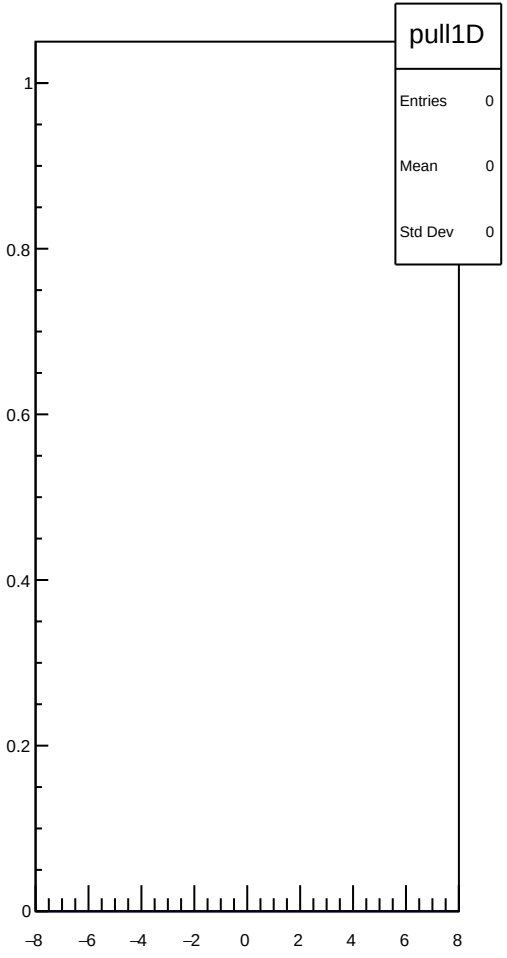

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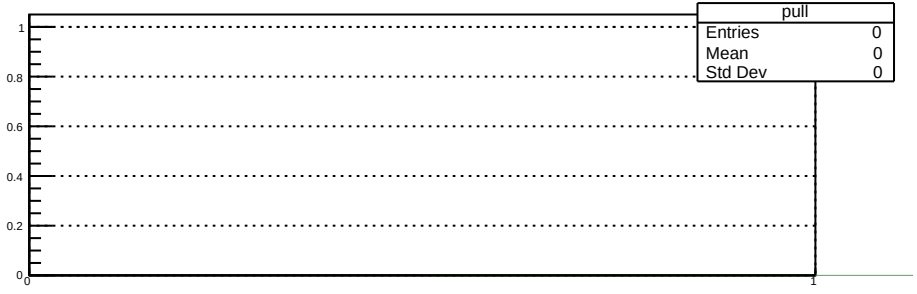

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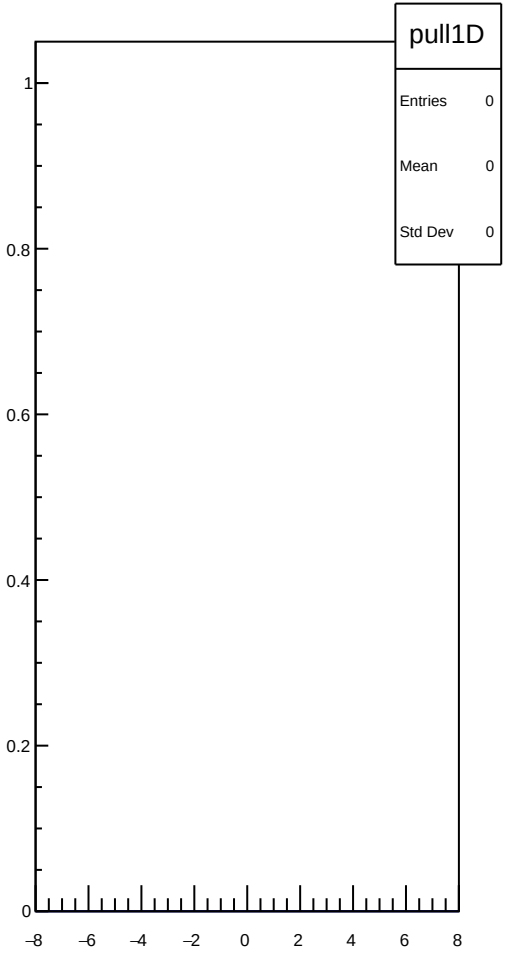

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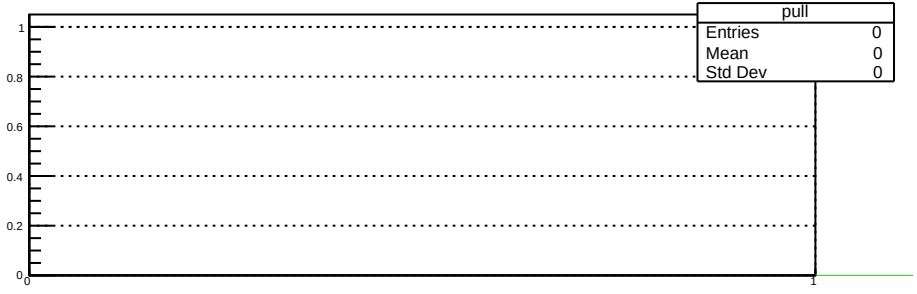

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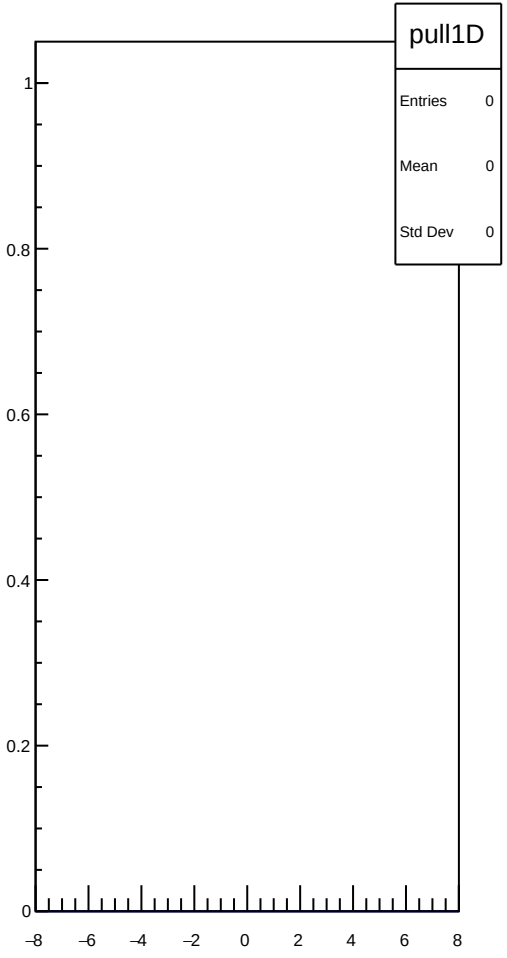

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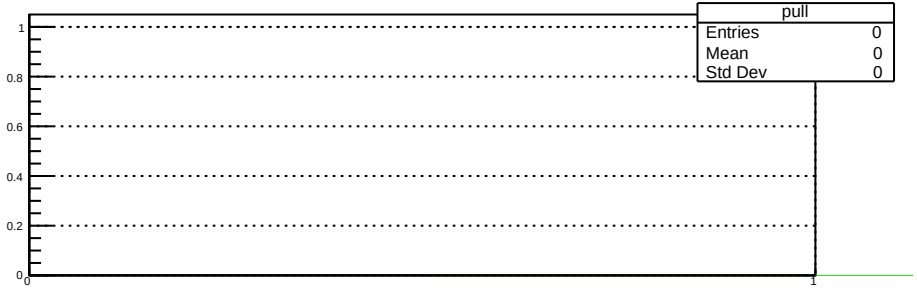

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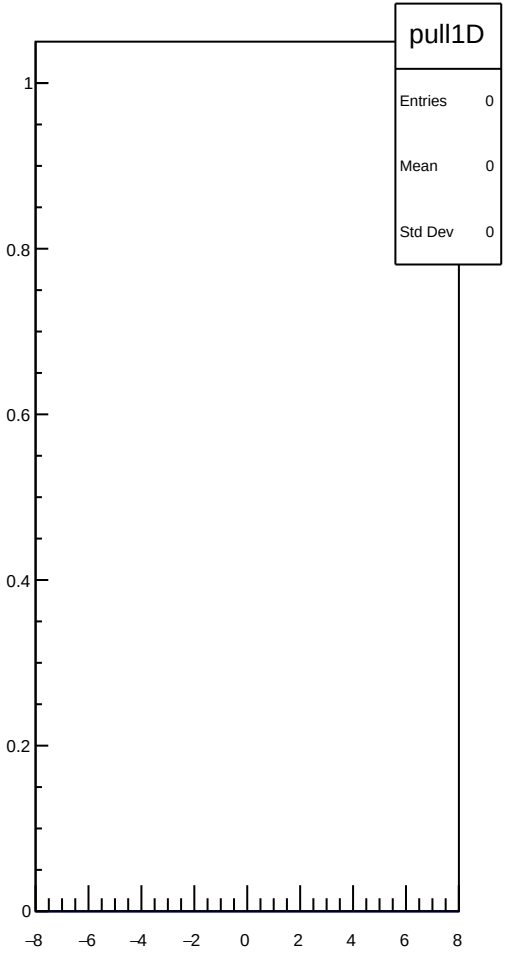

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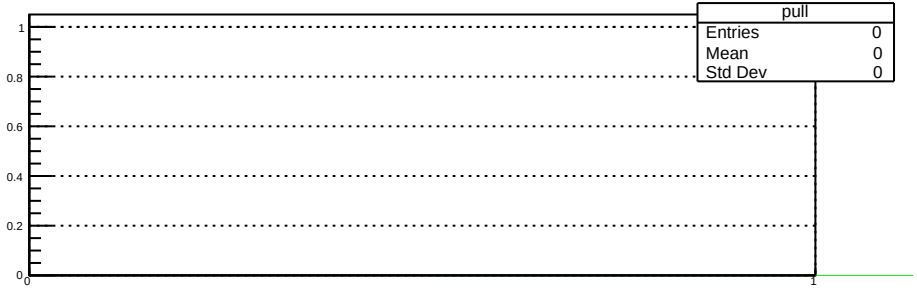

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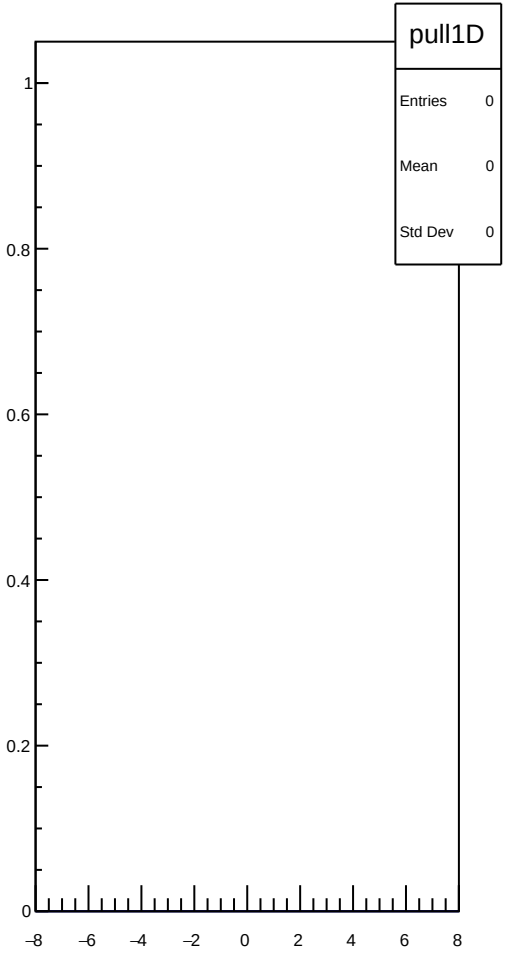

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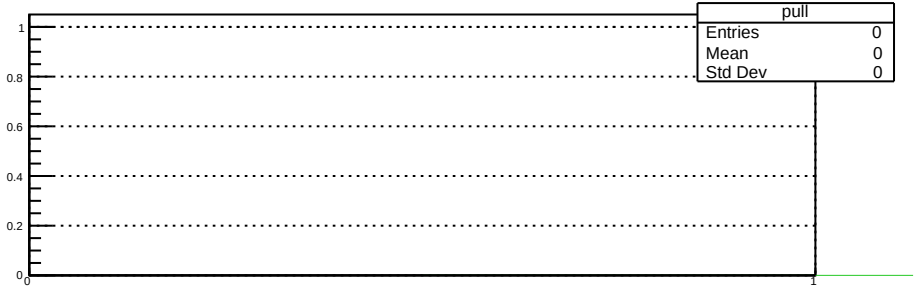

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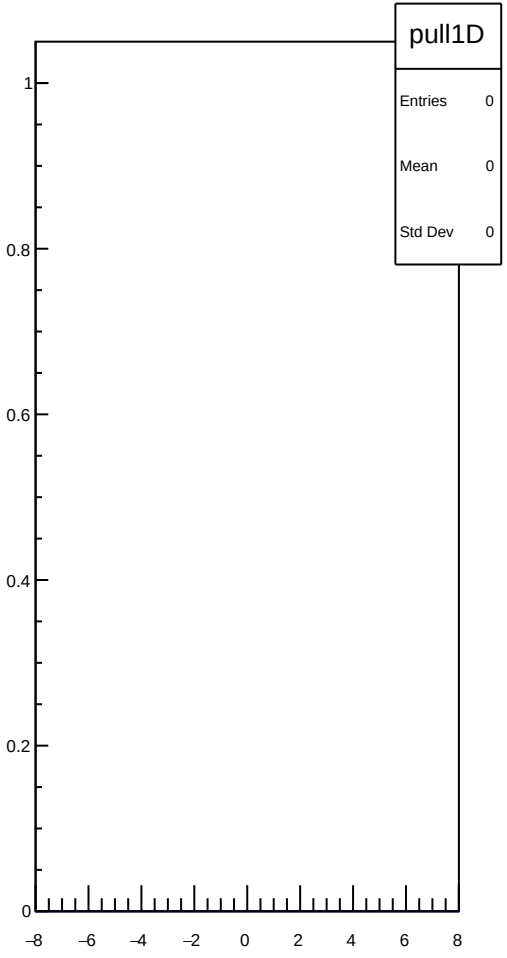

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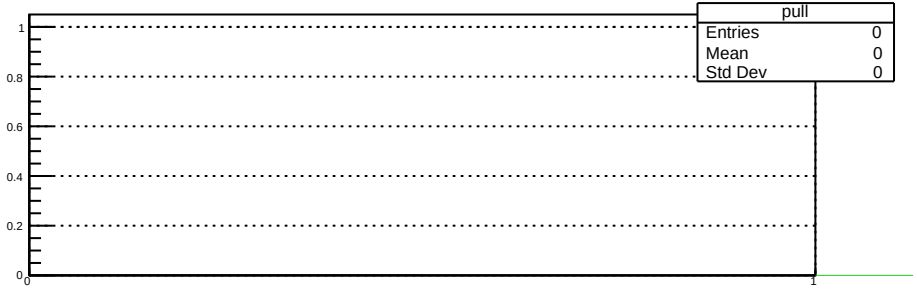

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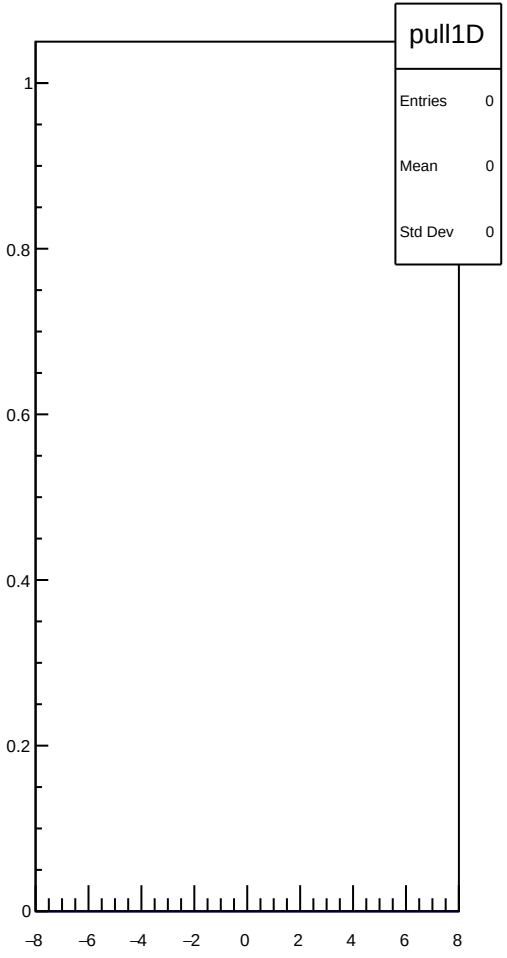

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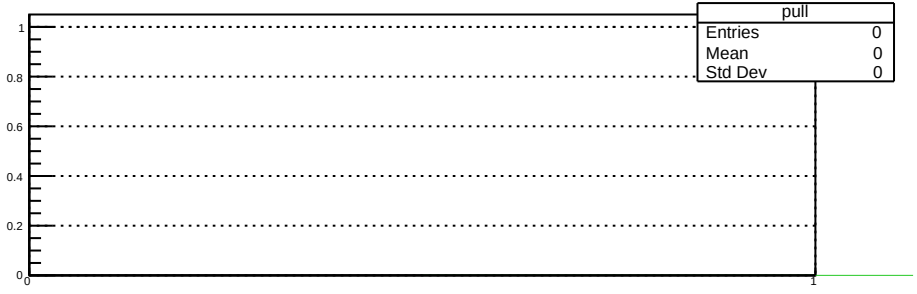

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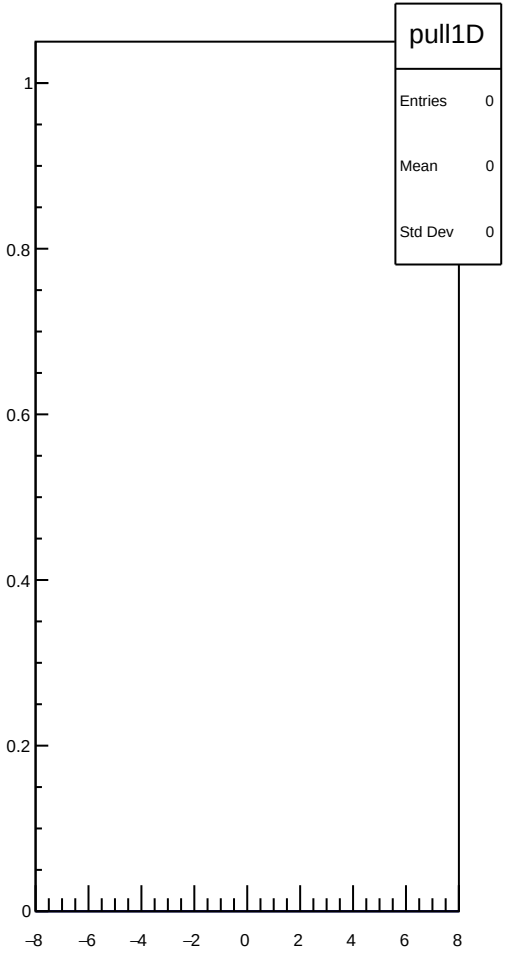

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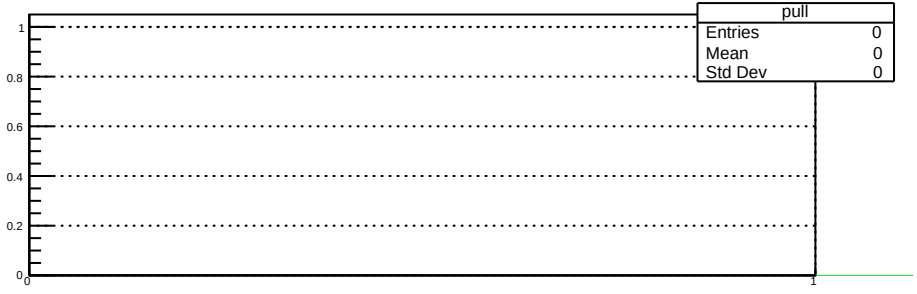

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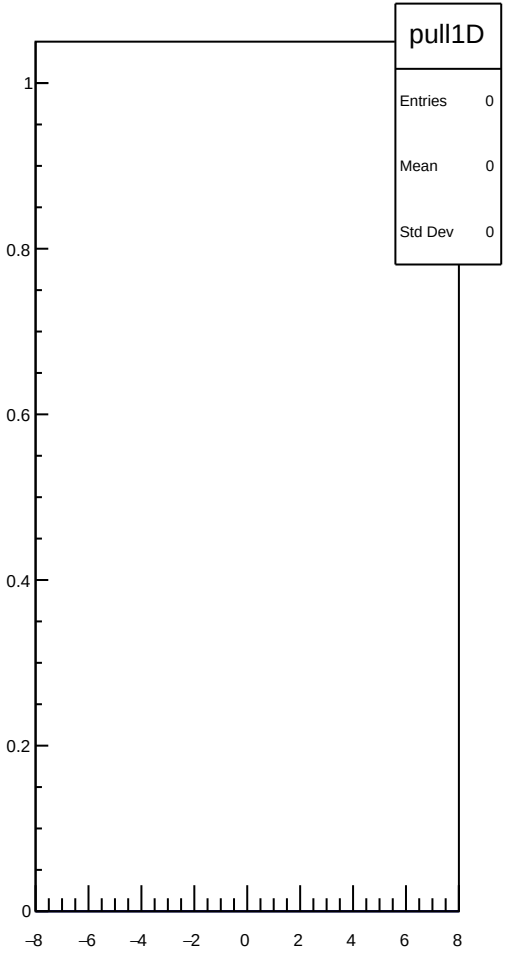

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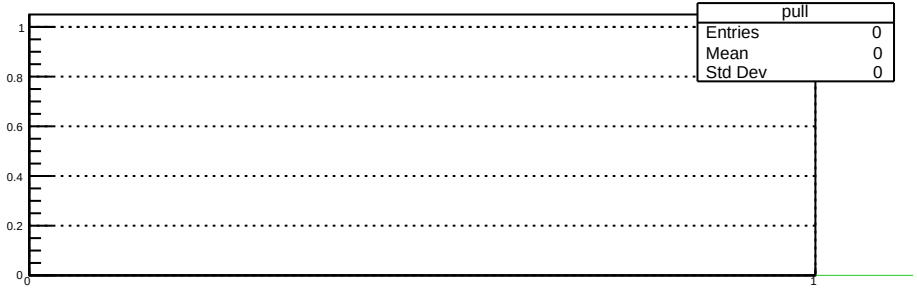

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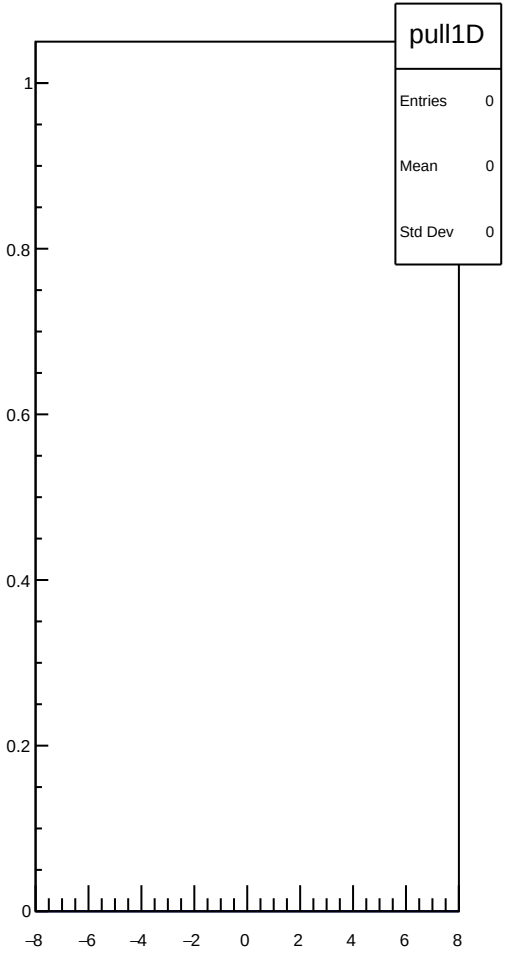

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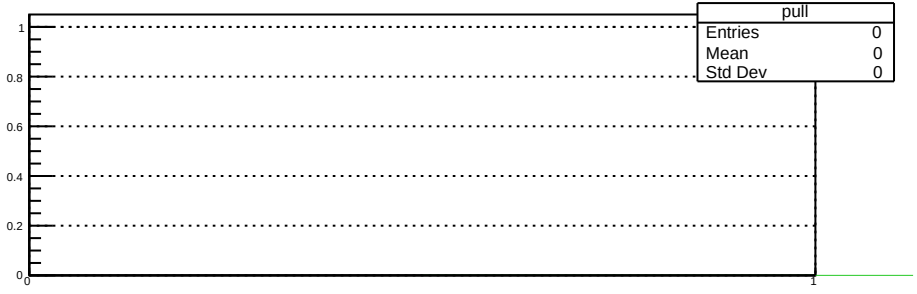

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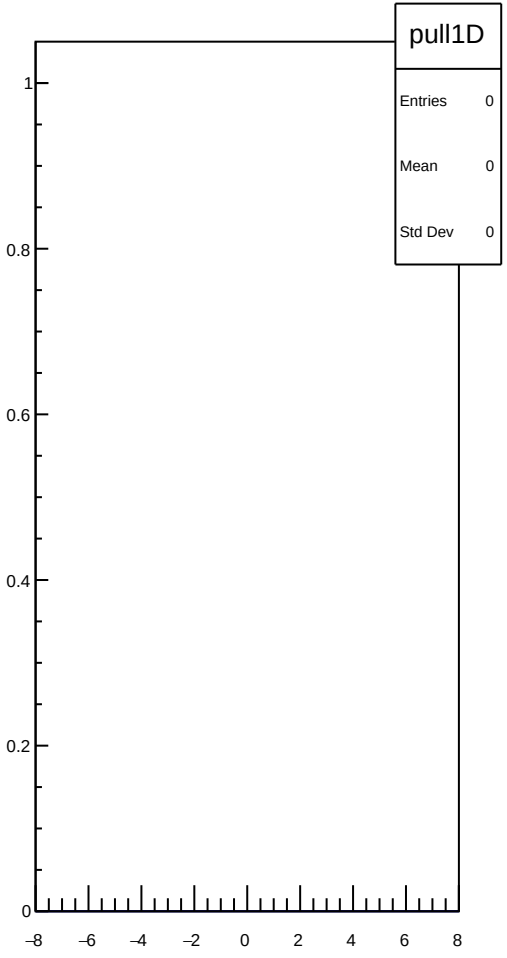

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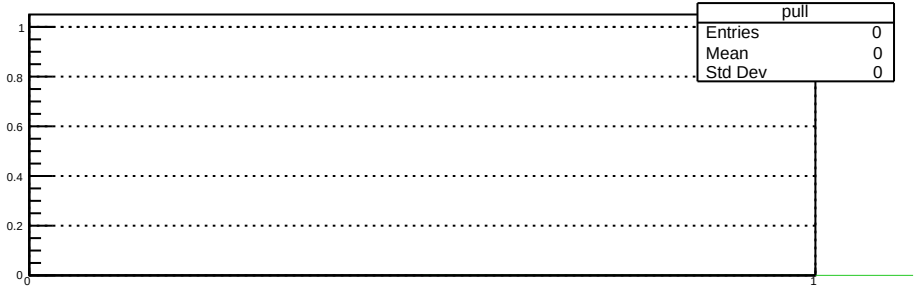

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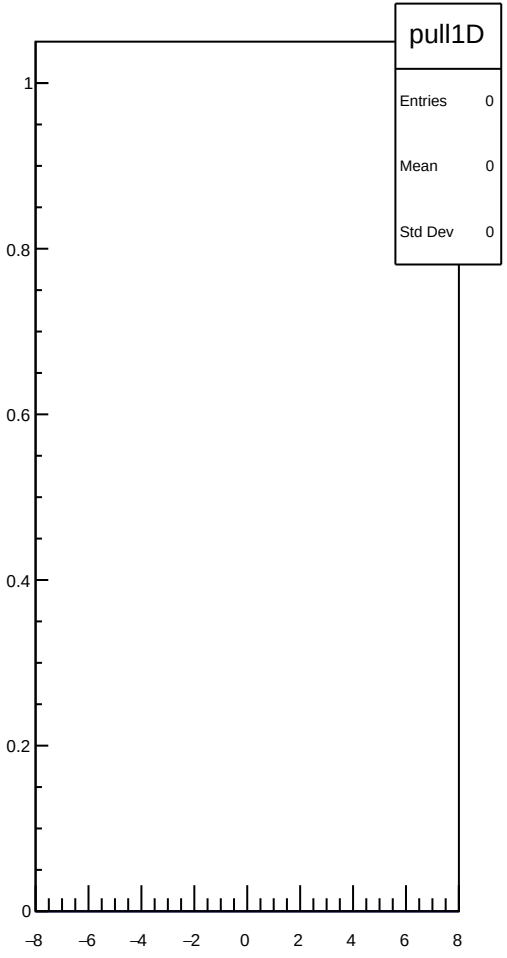

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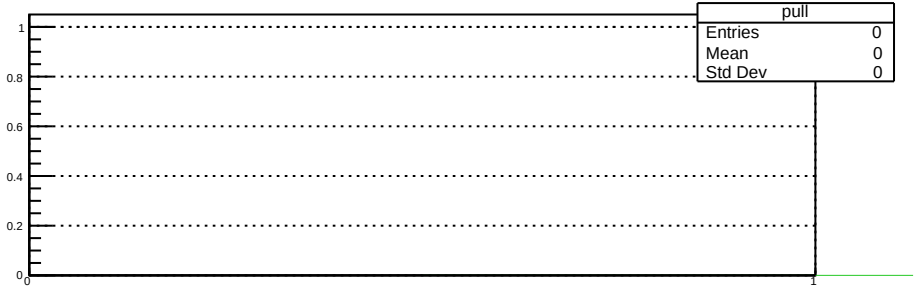

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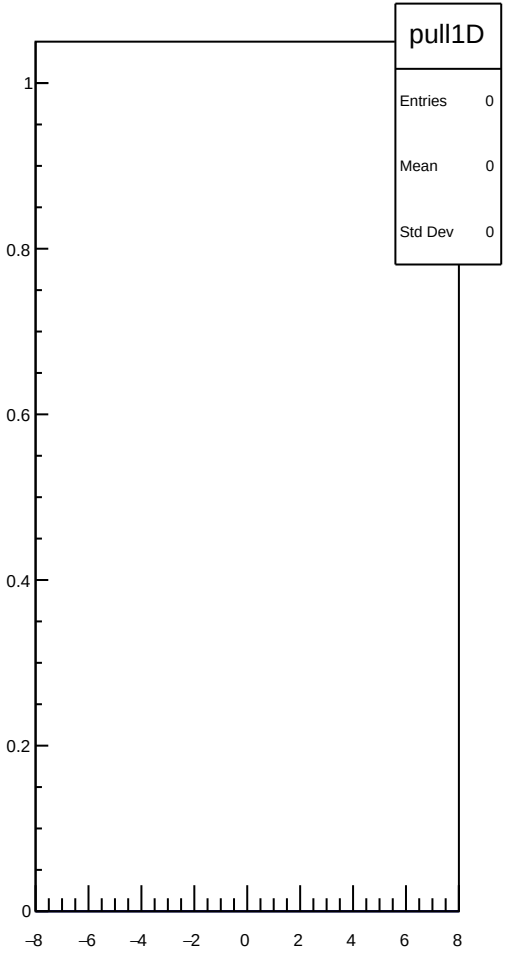

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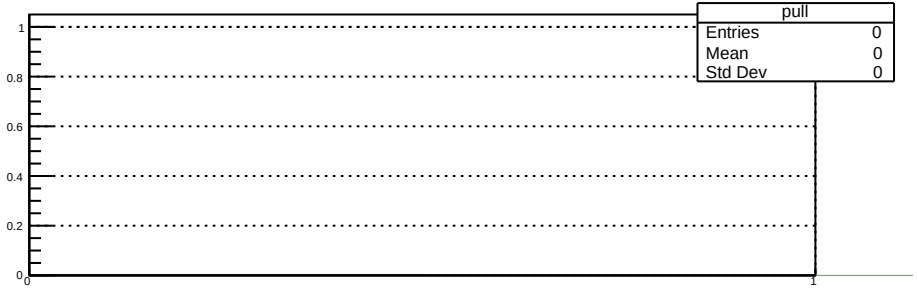

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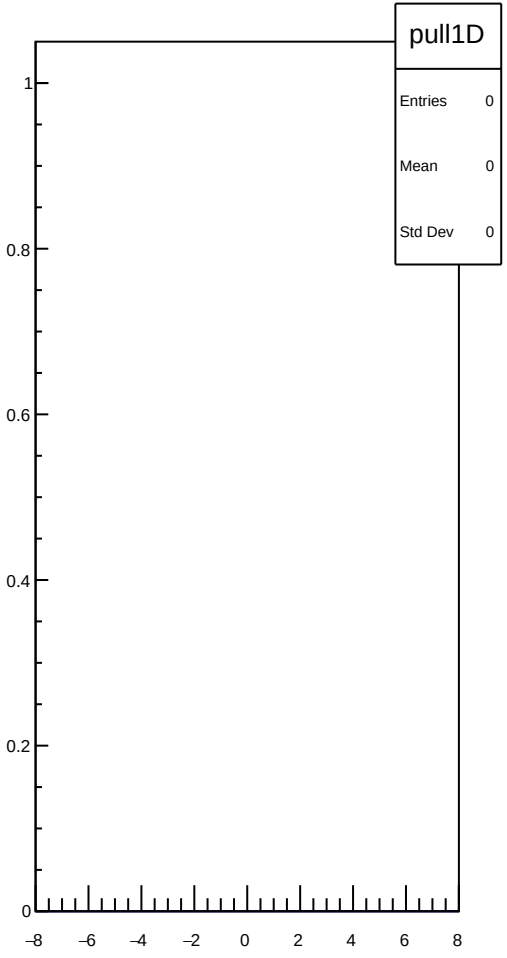

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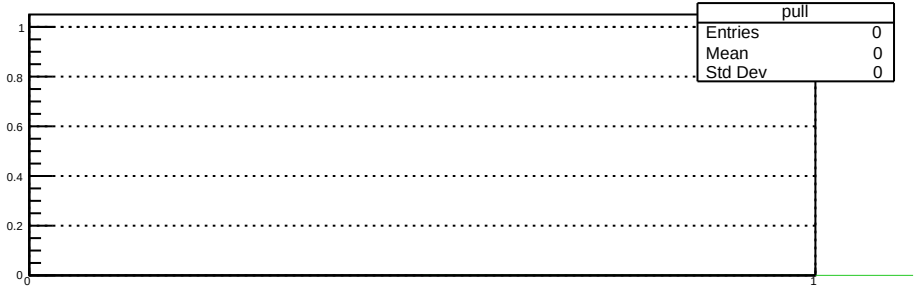

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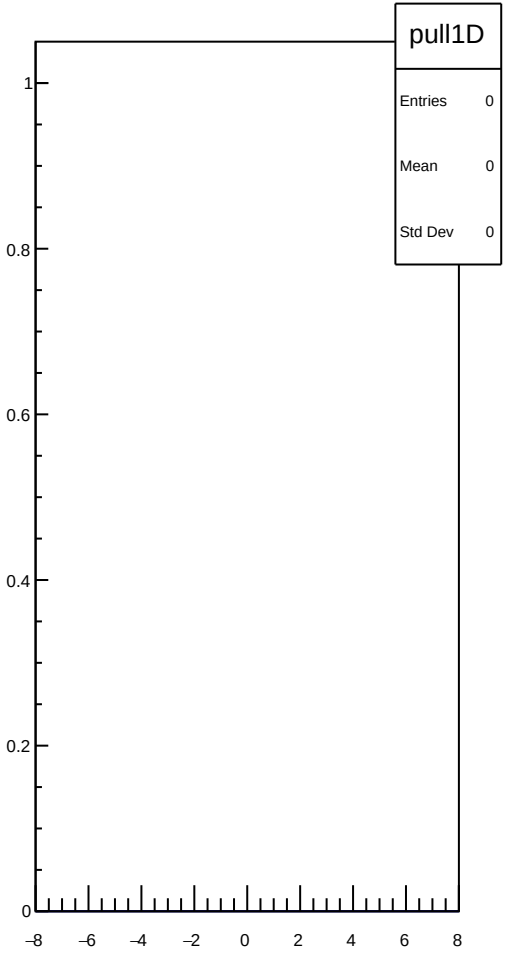

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Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

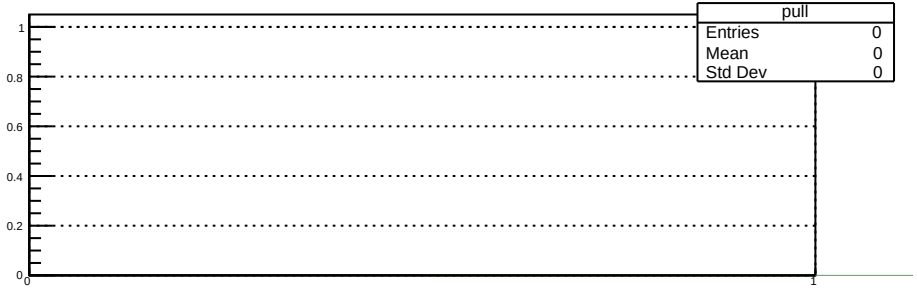

pull1D
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
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4
6
8

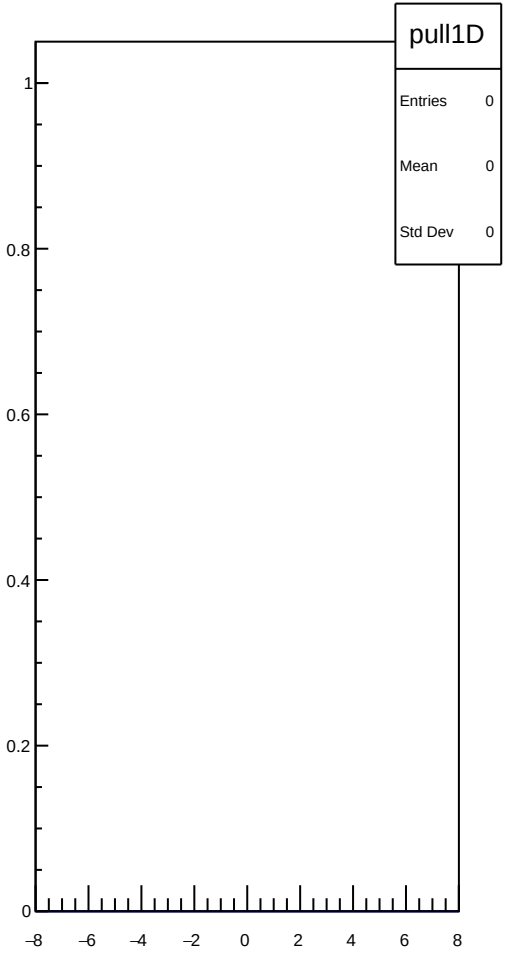

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

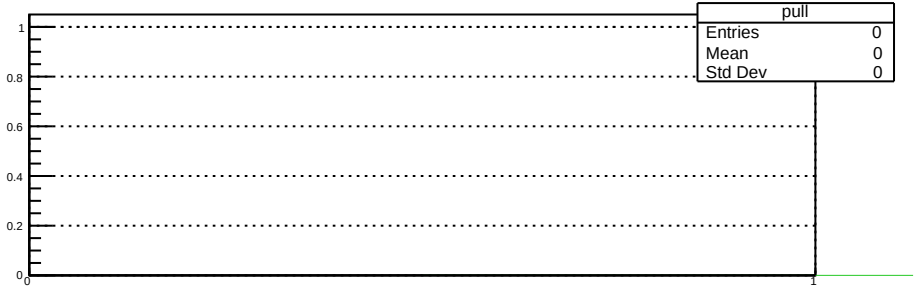

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

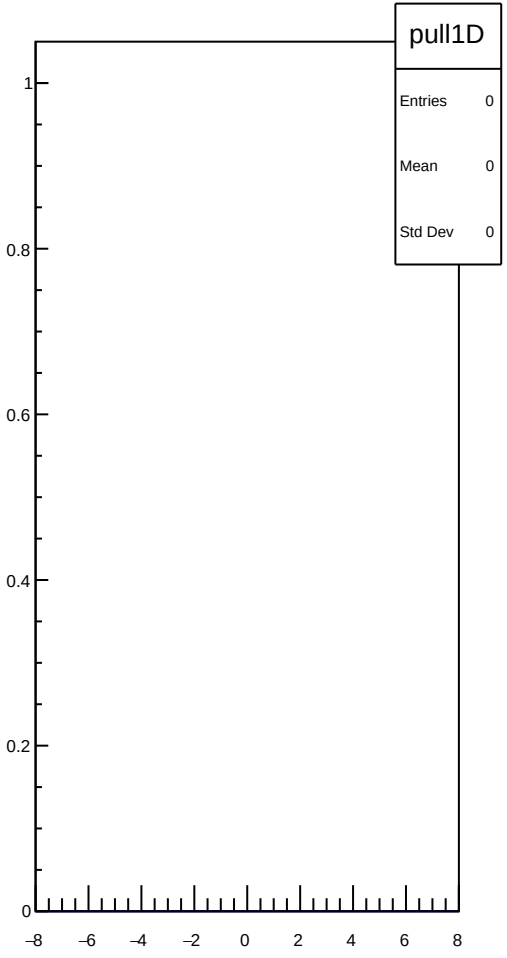

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

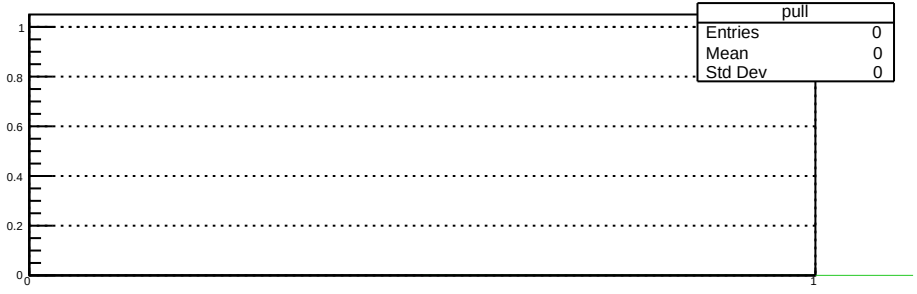

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
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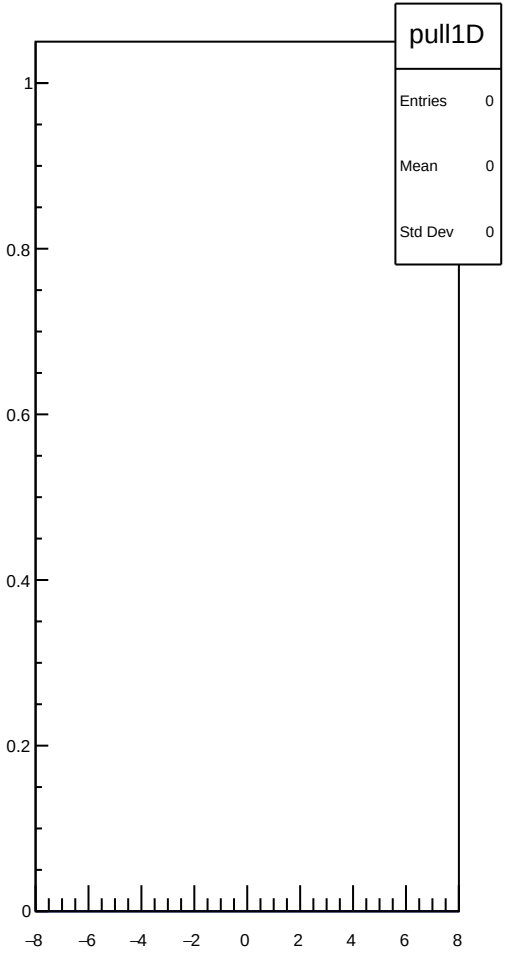

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

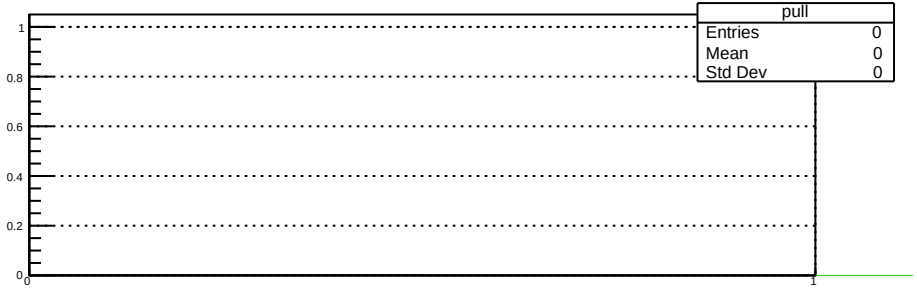

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
–2
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2
4
6
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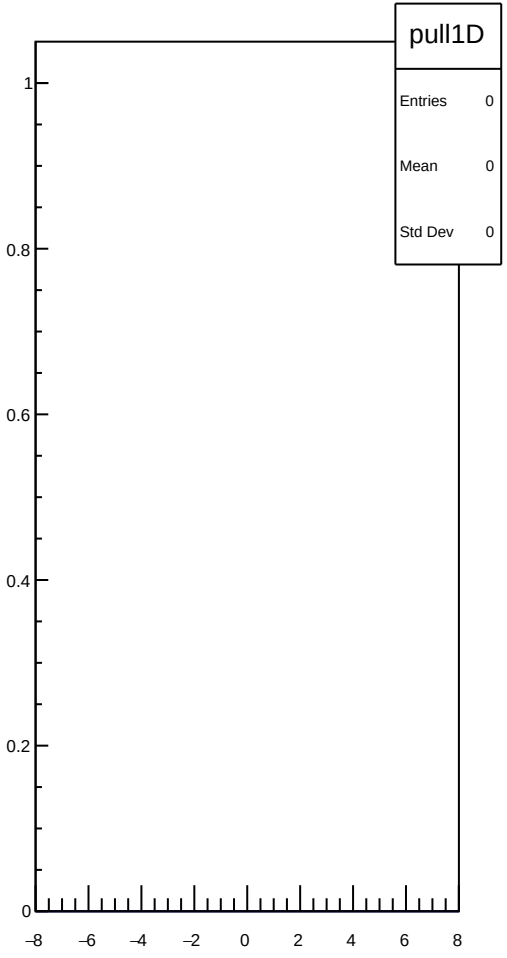

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

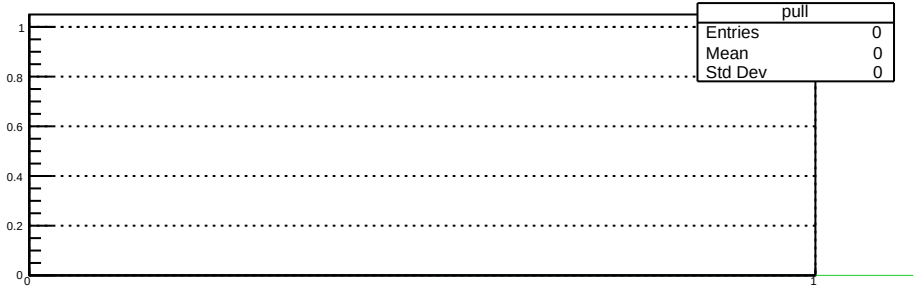

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
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–4
–2
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2
4
6
8

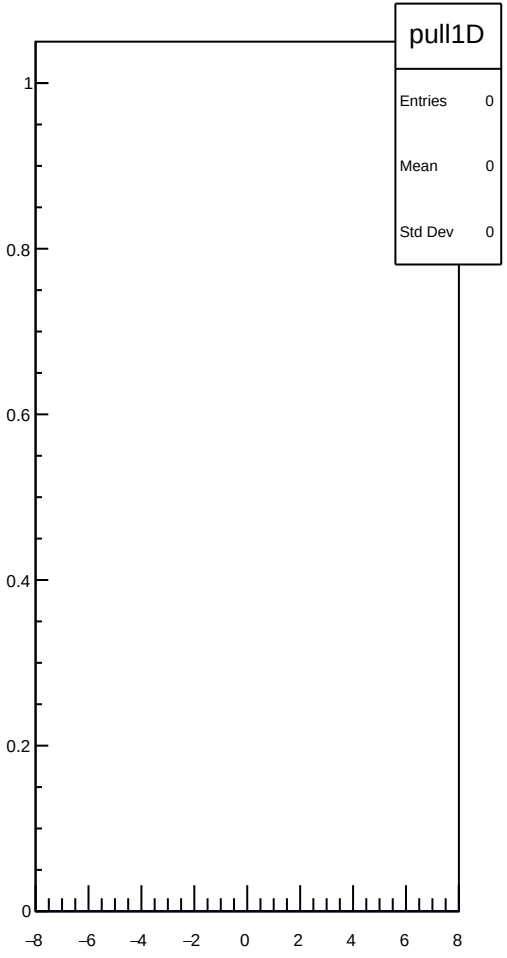

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
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1

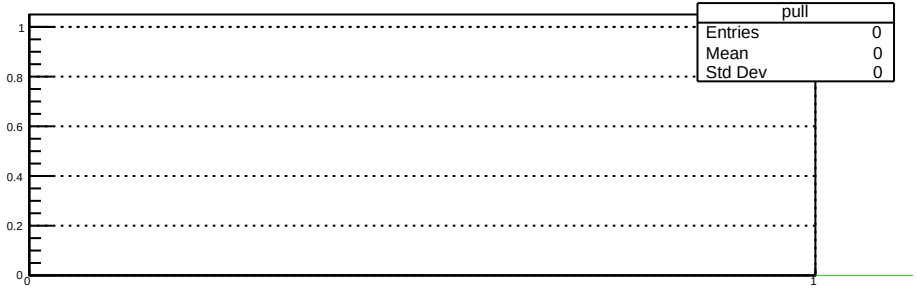

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

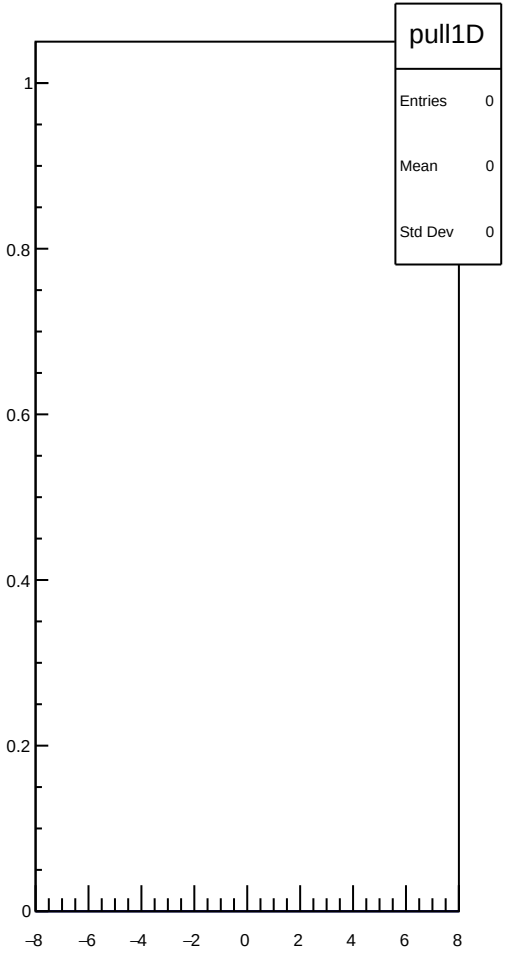

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

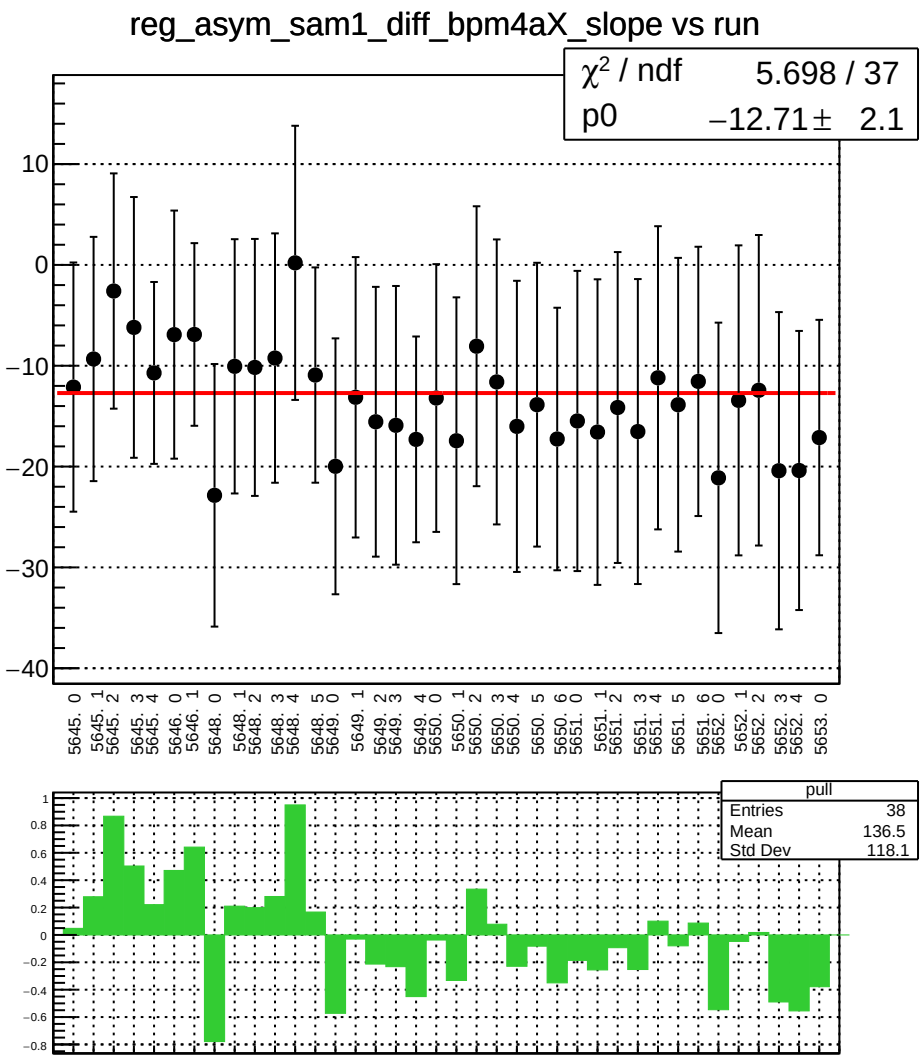

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

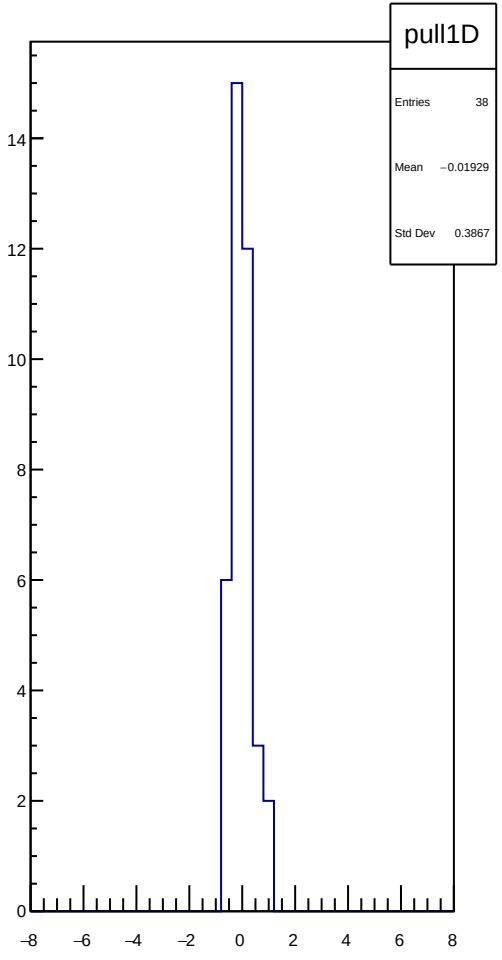

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

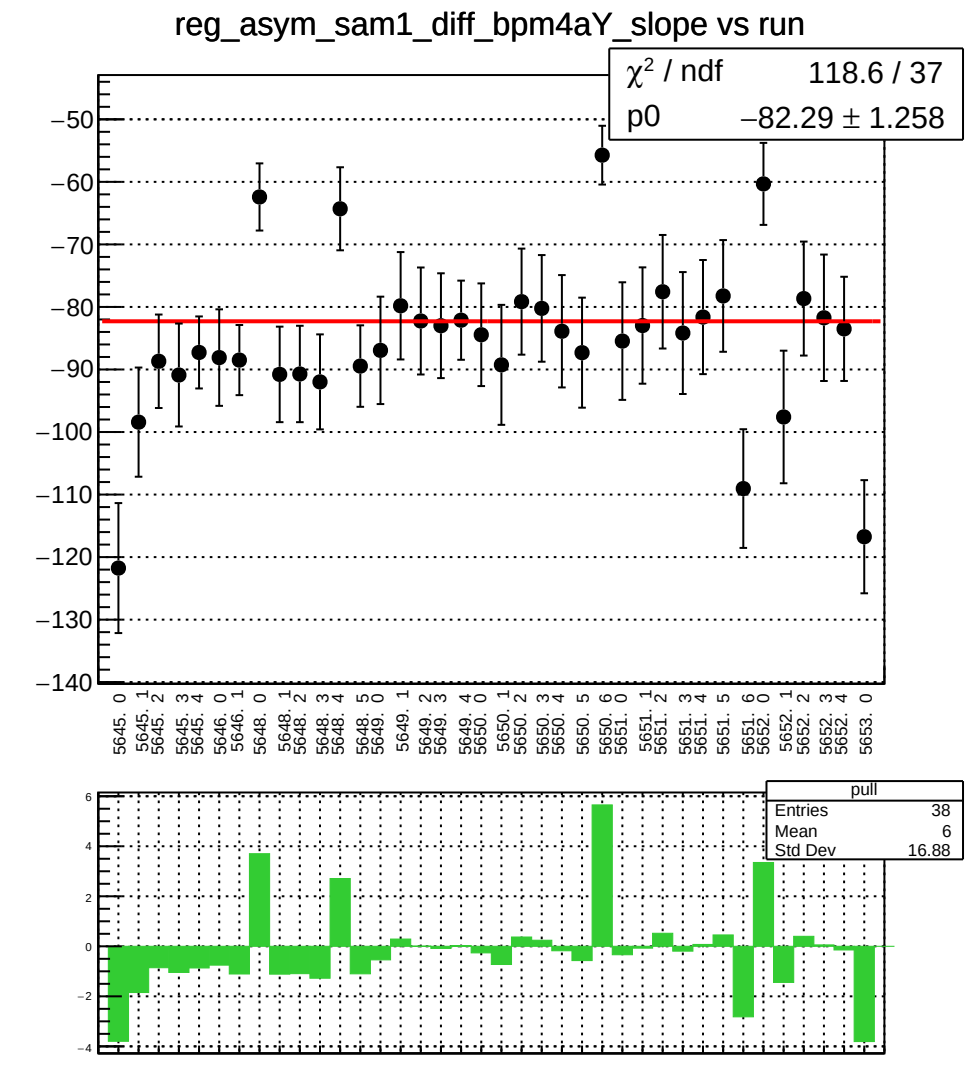

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

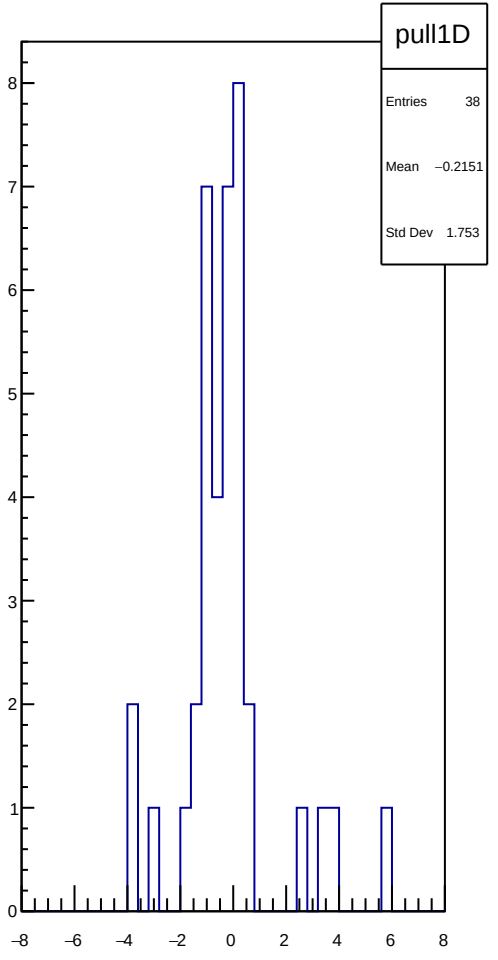

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

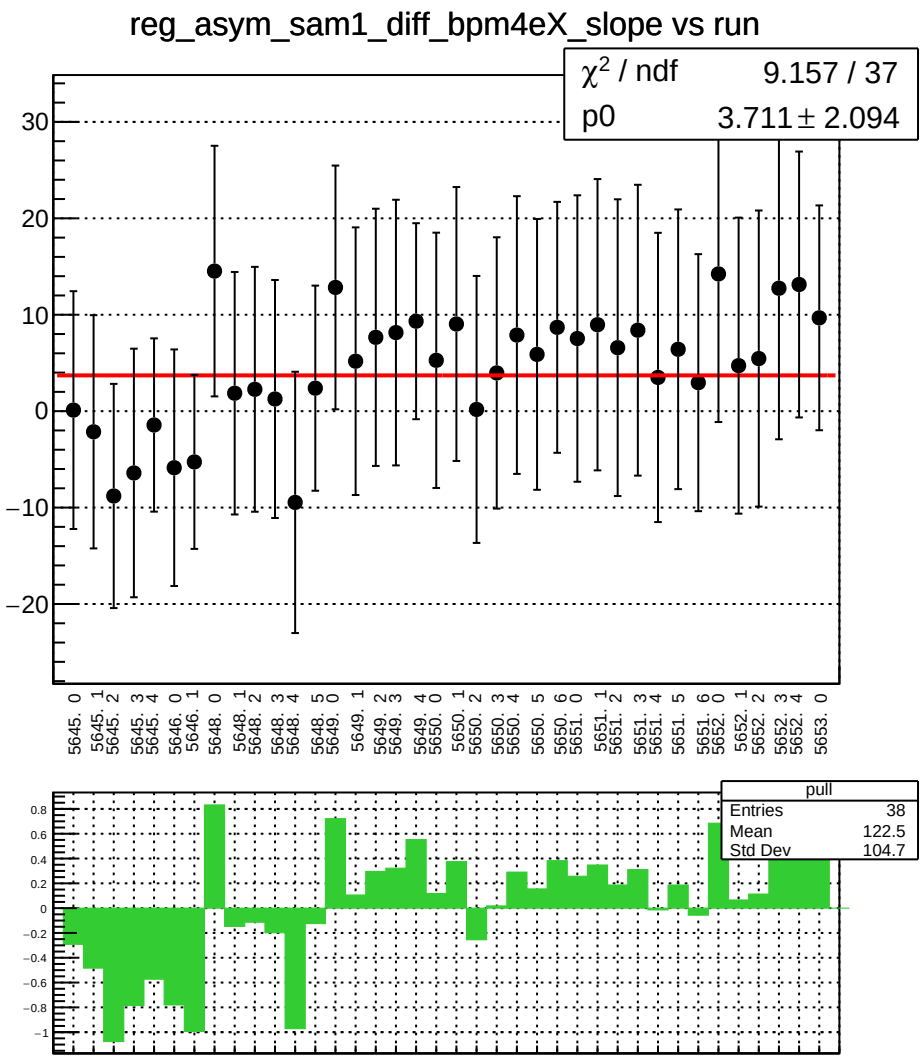

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

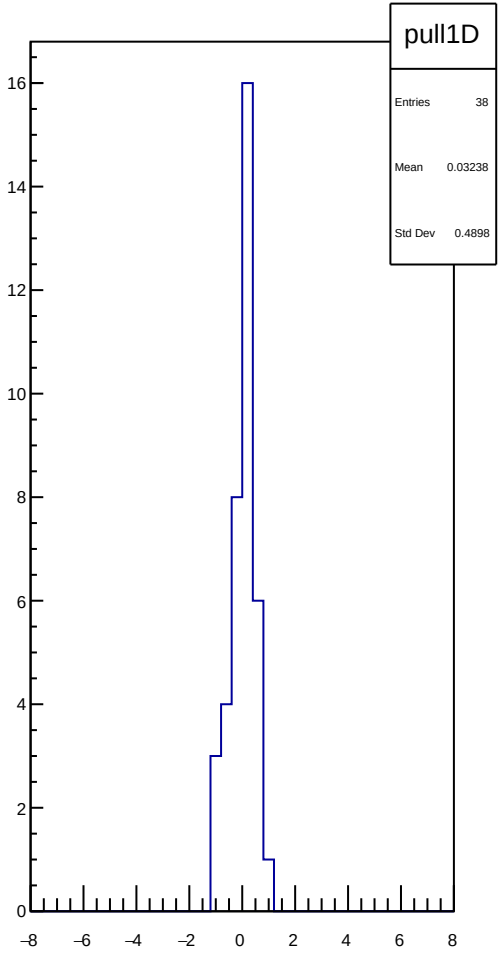

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 5.698 / 37
p0 −12.71 ± 2.1
pull
Entries 38
Mean 136.5
Std Dev 118.1

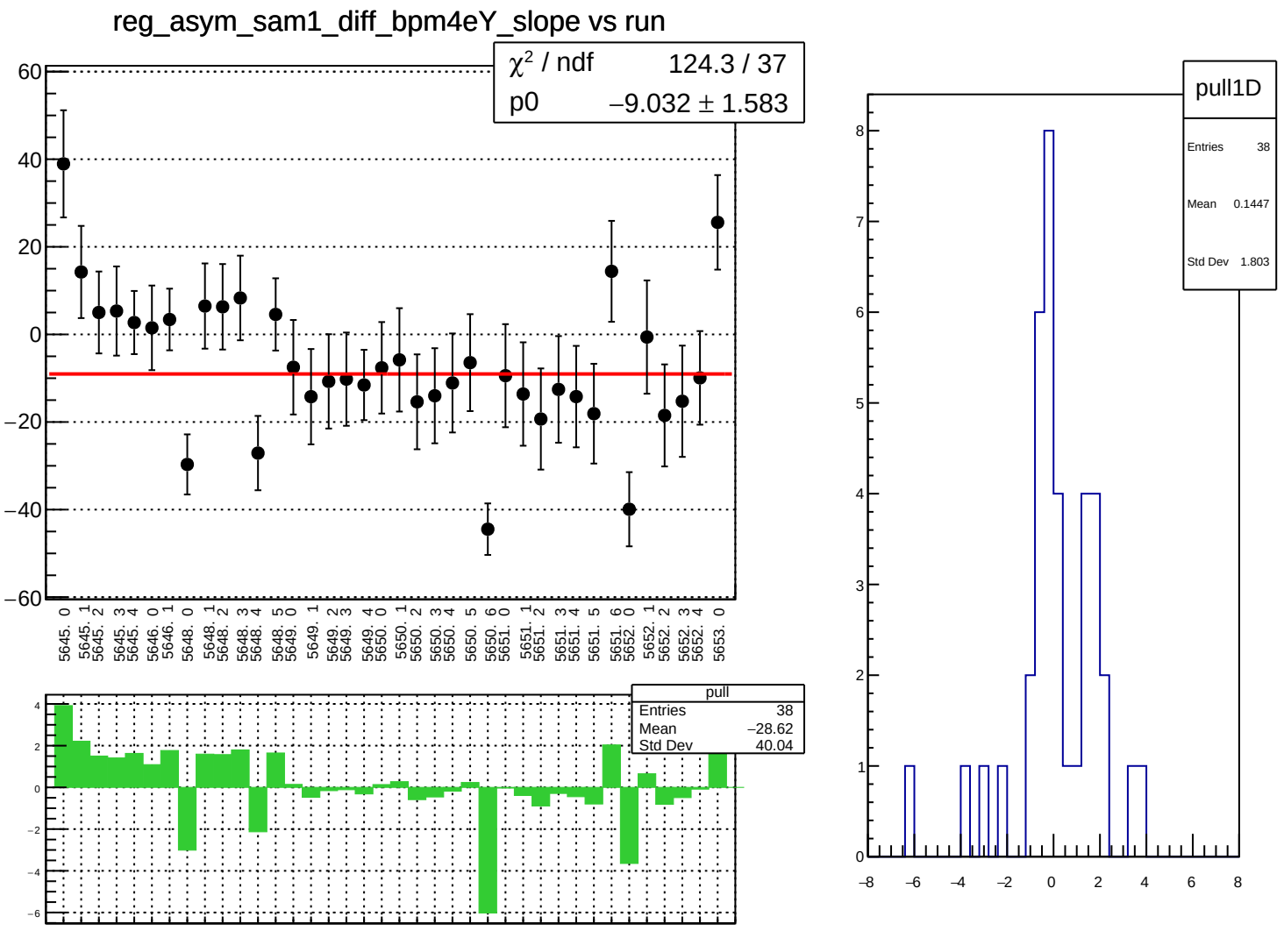

pull1D
Entries 38
Mean −0.01929
Std Dev 0.3867

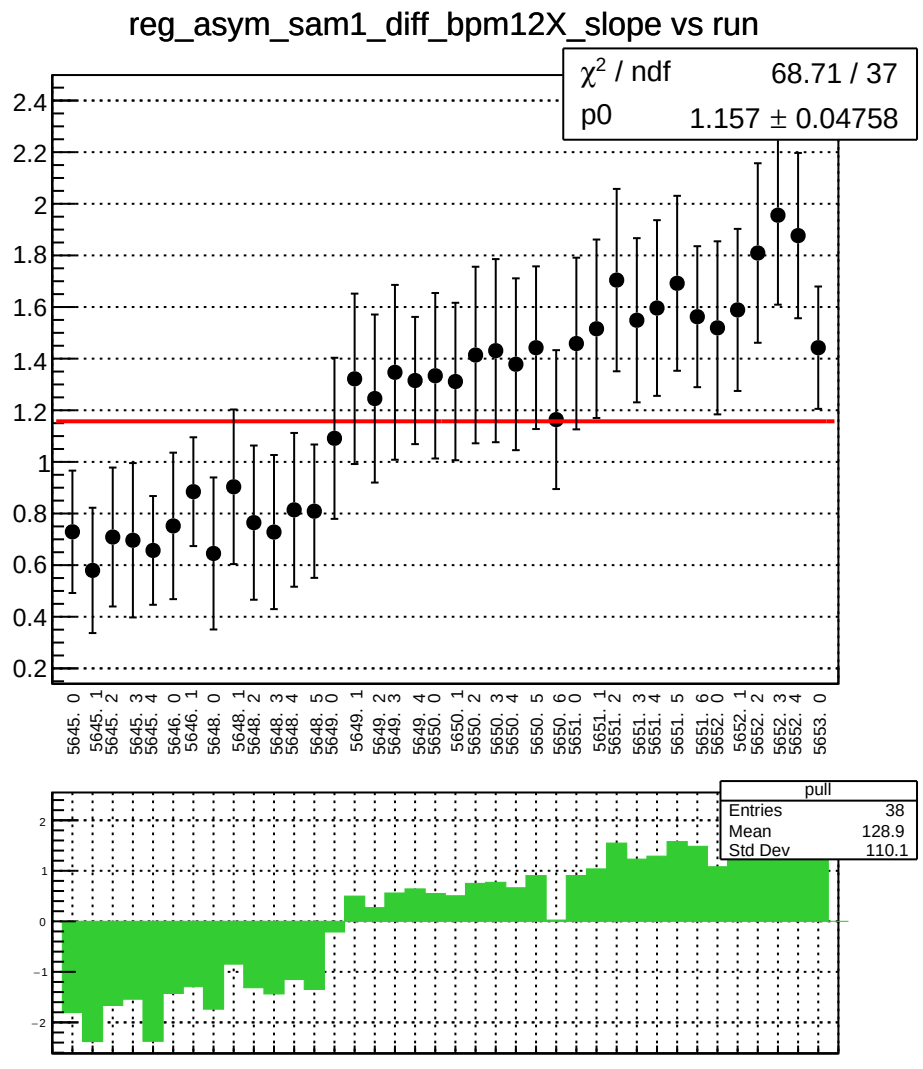

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 118.6 / 37
p0 −82.29 ± 1.258
pull
Entries 38
Mean 6
Std Dev 16.88

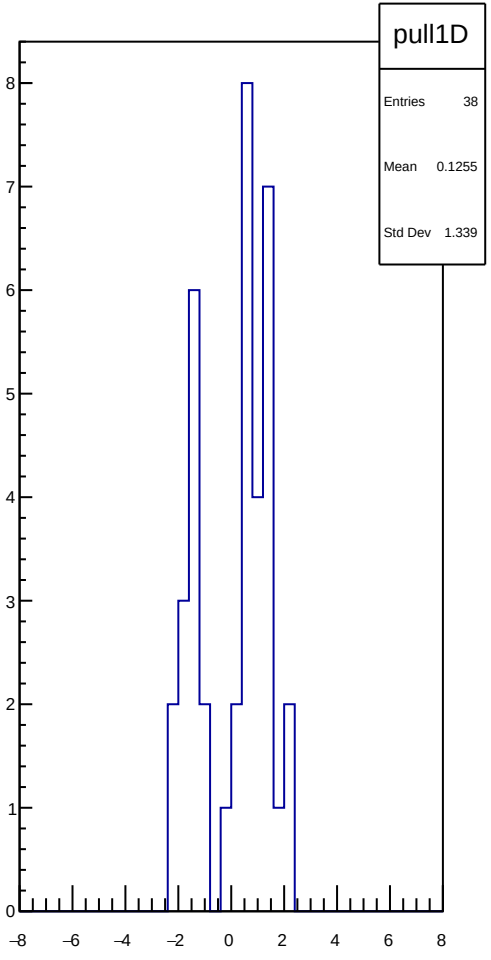

pull1D
Entries 38
Mean −0.2151
Std Dev 1.753

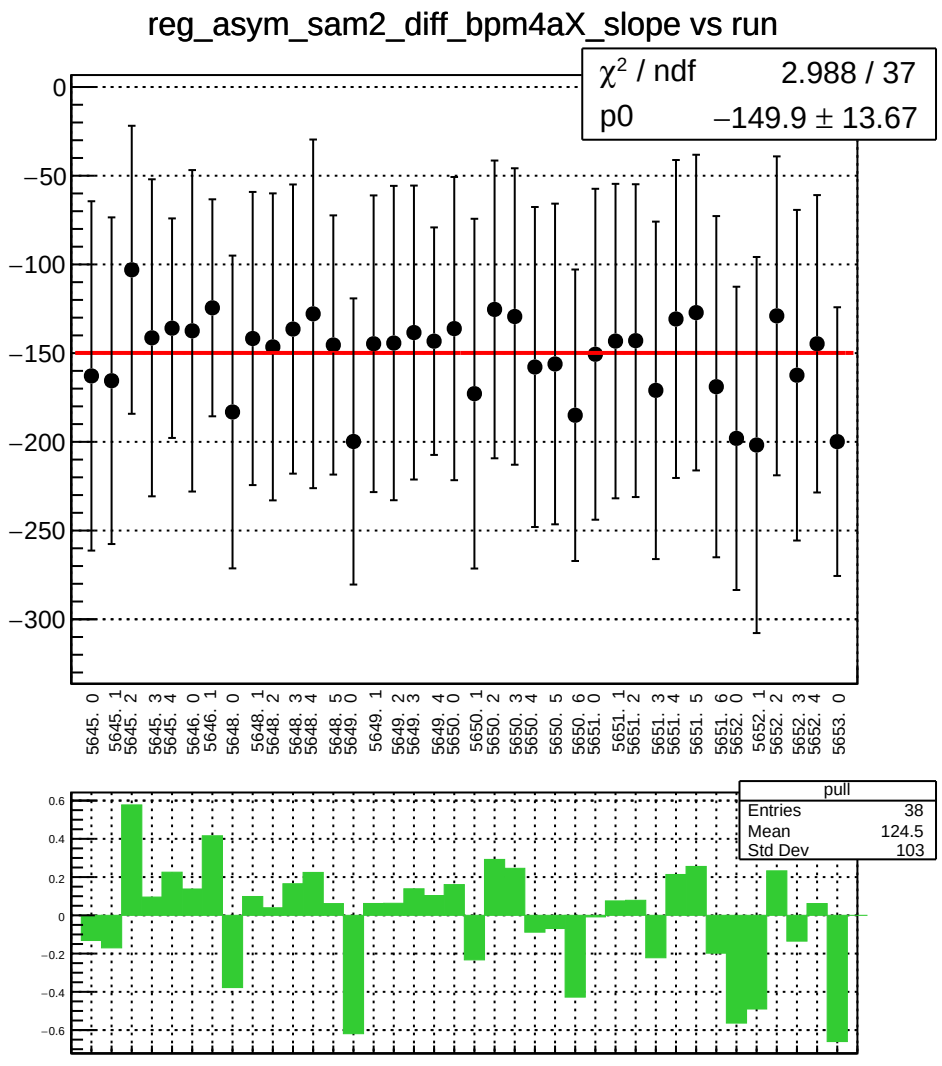

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 9.157 / 37
p0 3.711 ± 2.094
pull
Entries 38
Mean 122.5
Std Dev 104.7

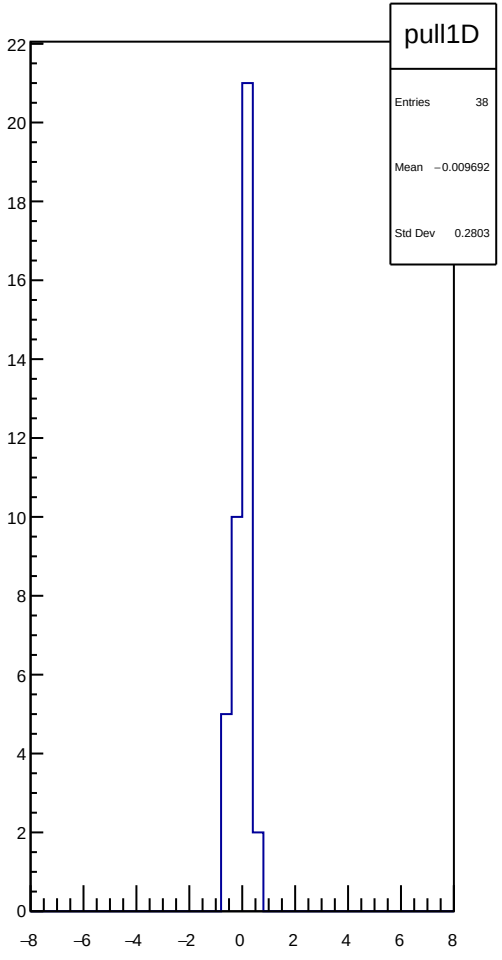

pull1D
Entries 38
Mean 0.03238
Std Dev 0.4898

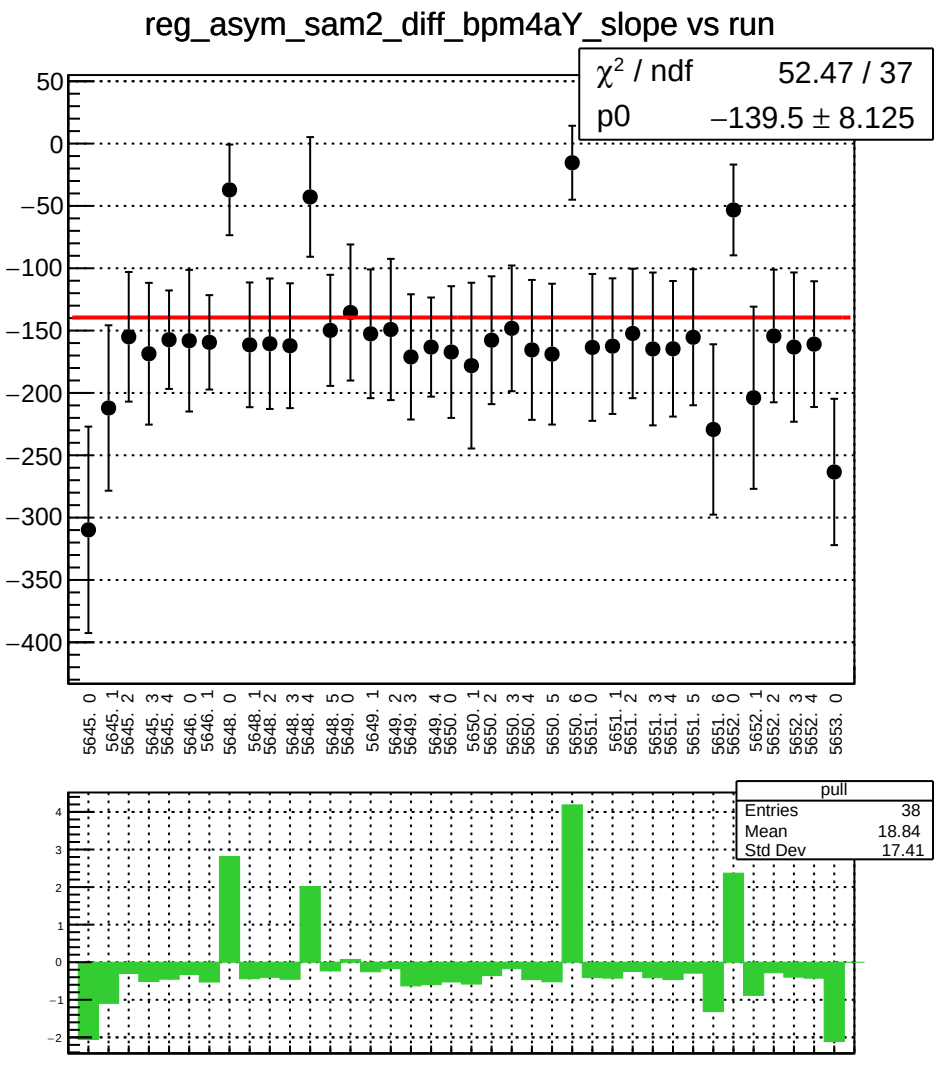

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 124.3 / 37
p0 −9.032 ± 1.583
pull
Entries 38
Mean −28.62
Std Dev 40.04
pull1D
Entries 38
Mean 0.1447
Std Dev 1.803

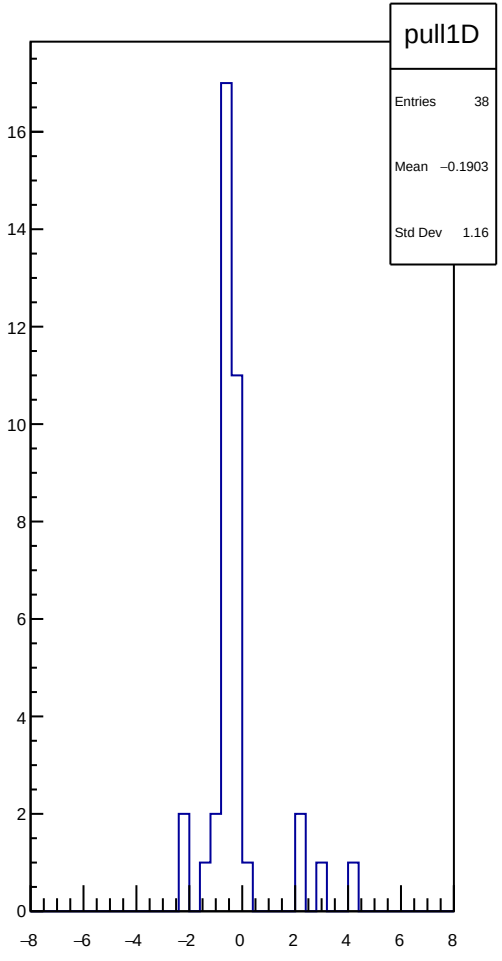

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 68.71 / 37
p0 1.157 ± 0.04758
pull
Entries 38
Mean 128.9
Std Dev 110.1

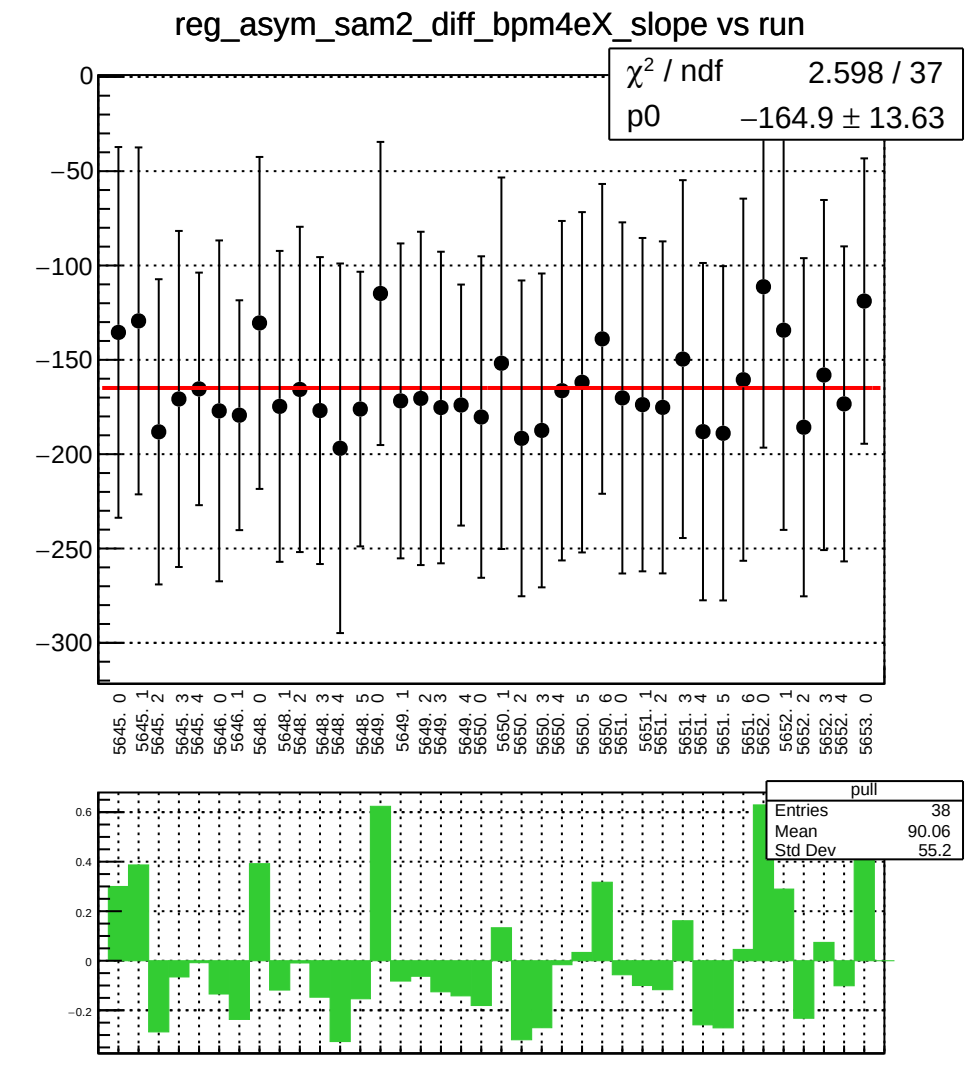

pull1D
Entries 38
Mean 0.1255
Std Dev 1.339

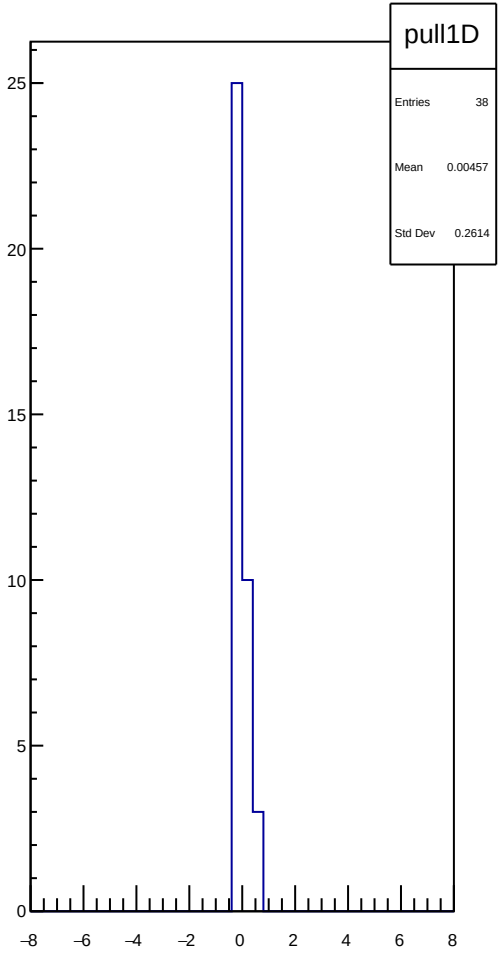

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 2.988 / 37
p0 −149.9 ± 13.67
0
−50
−100
−150
−200
−250
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 124.5
Std Dev 103
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

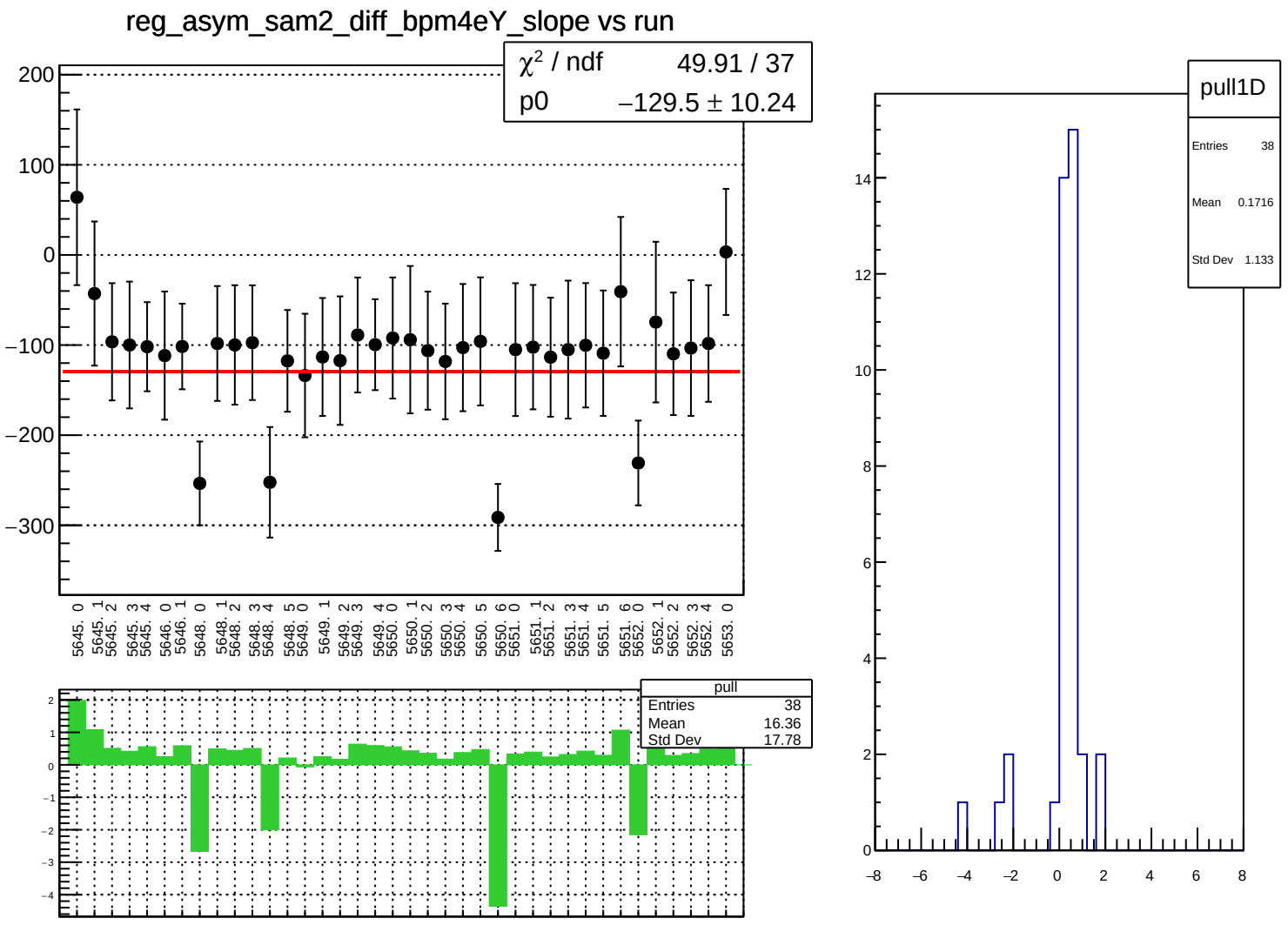

pull1D
Entries 38
Mean −0.009692
Std Dev 0.2803
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

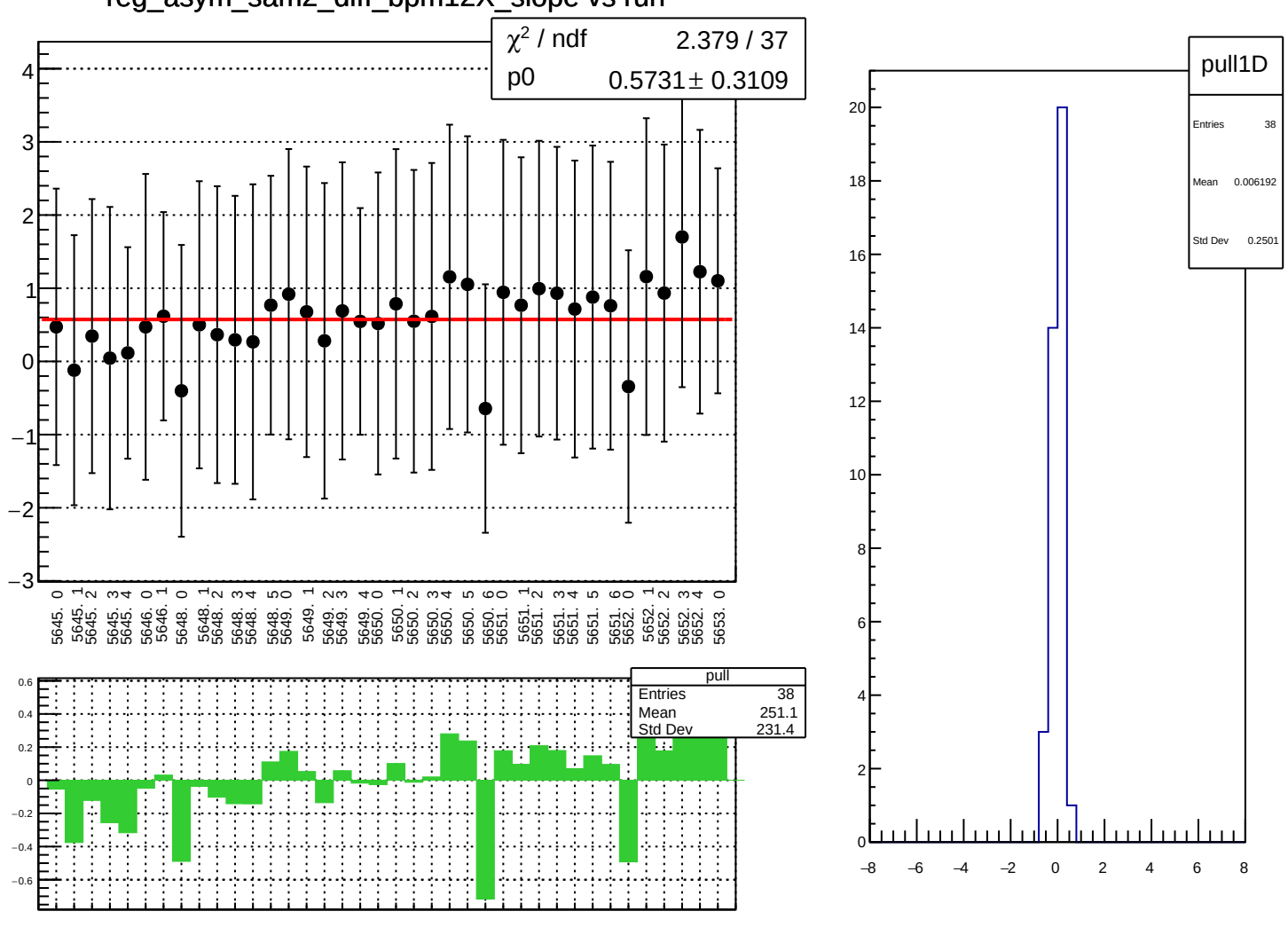

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 52.47 / 37
p0 −139.5 ± 8.125
pull
Entries 38
Mean 18.84
Std Dev 17.41

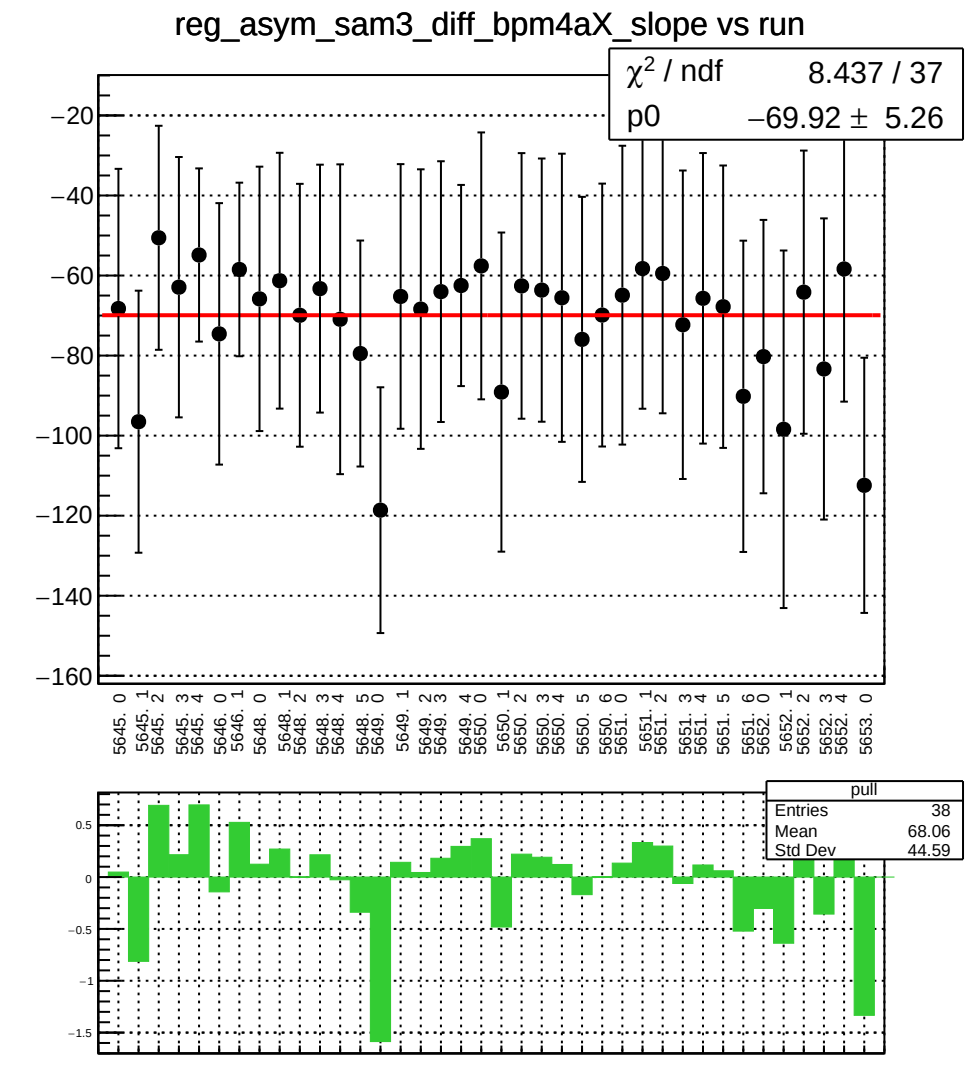

pull1D
Entries 38
Mean −0.1903
Std Dev 1.16

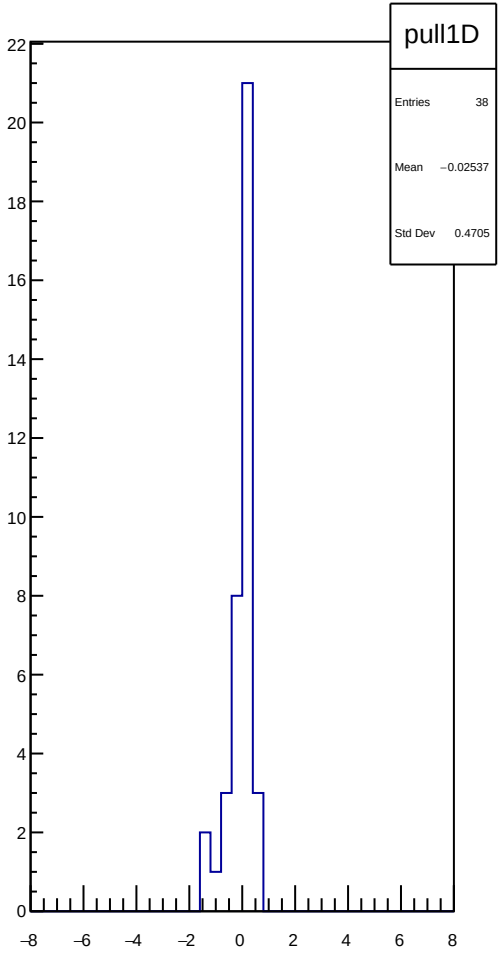

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 2.598 / 37
p0 −164.9 ± 13.63
0
−50
−100
−150
−200
−250
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 90.06
Std Dev 55.2
0.6
0.4
0.2
0
−0.2

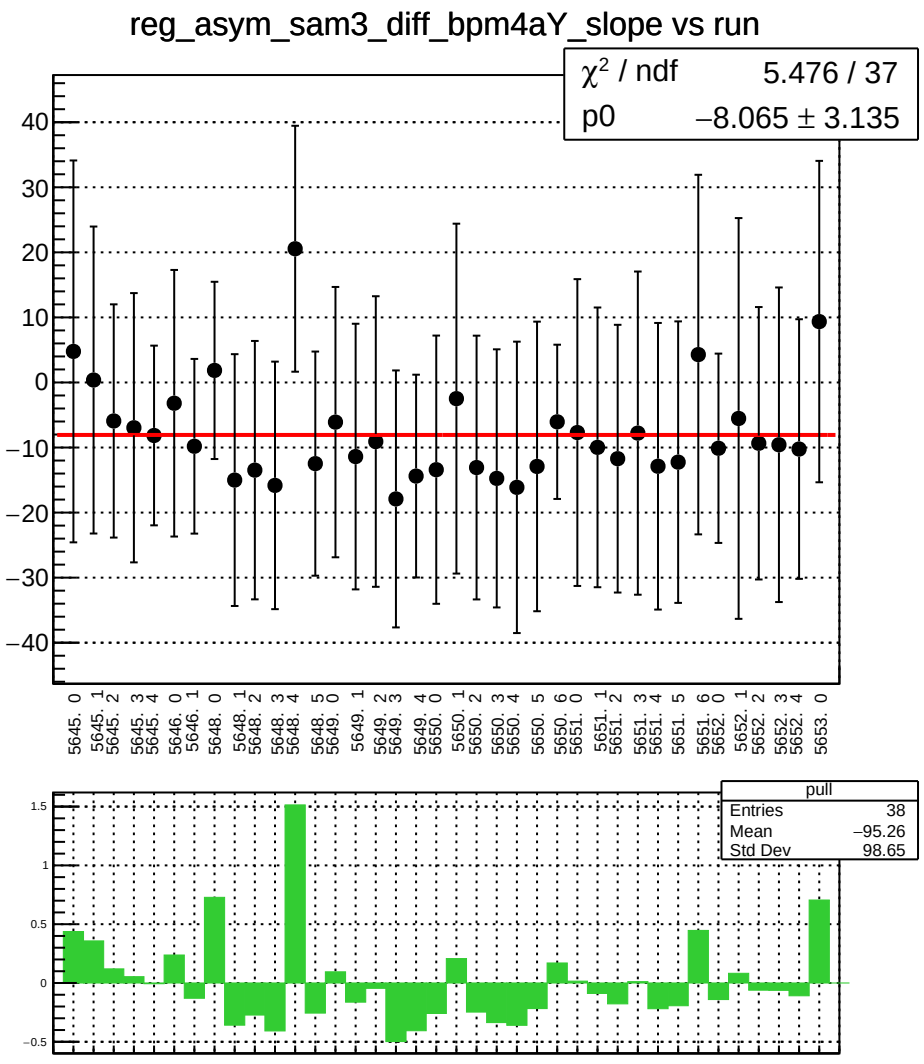

pull1D
Entries 38
Mean 0.00457
Std Dev 0.2614
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

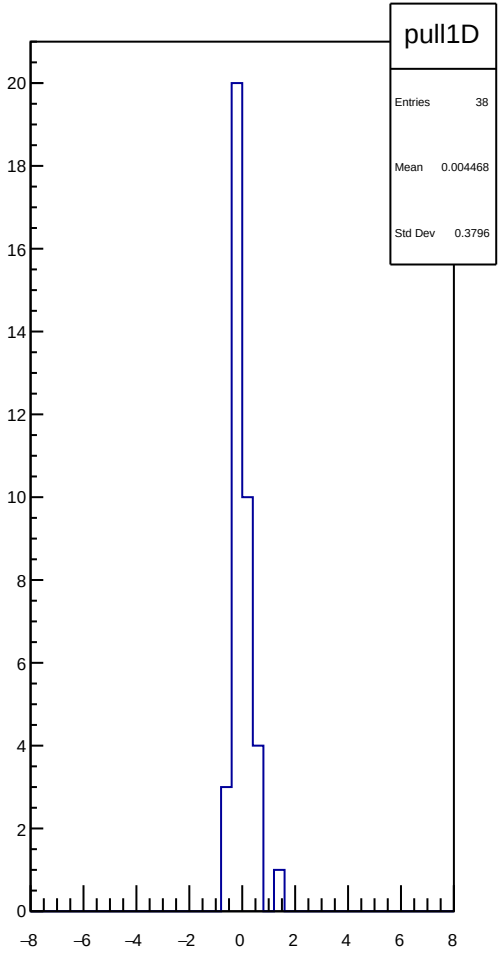

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 49.91 / 37
p0 −129.5 ± 10.24
200
100
0
−100
−200
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 16.36
Std Dev 17.78
pull1D
Entries 38
Mean 0.1716
Std Dev 1.133

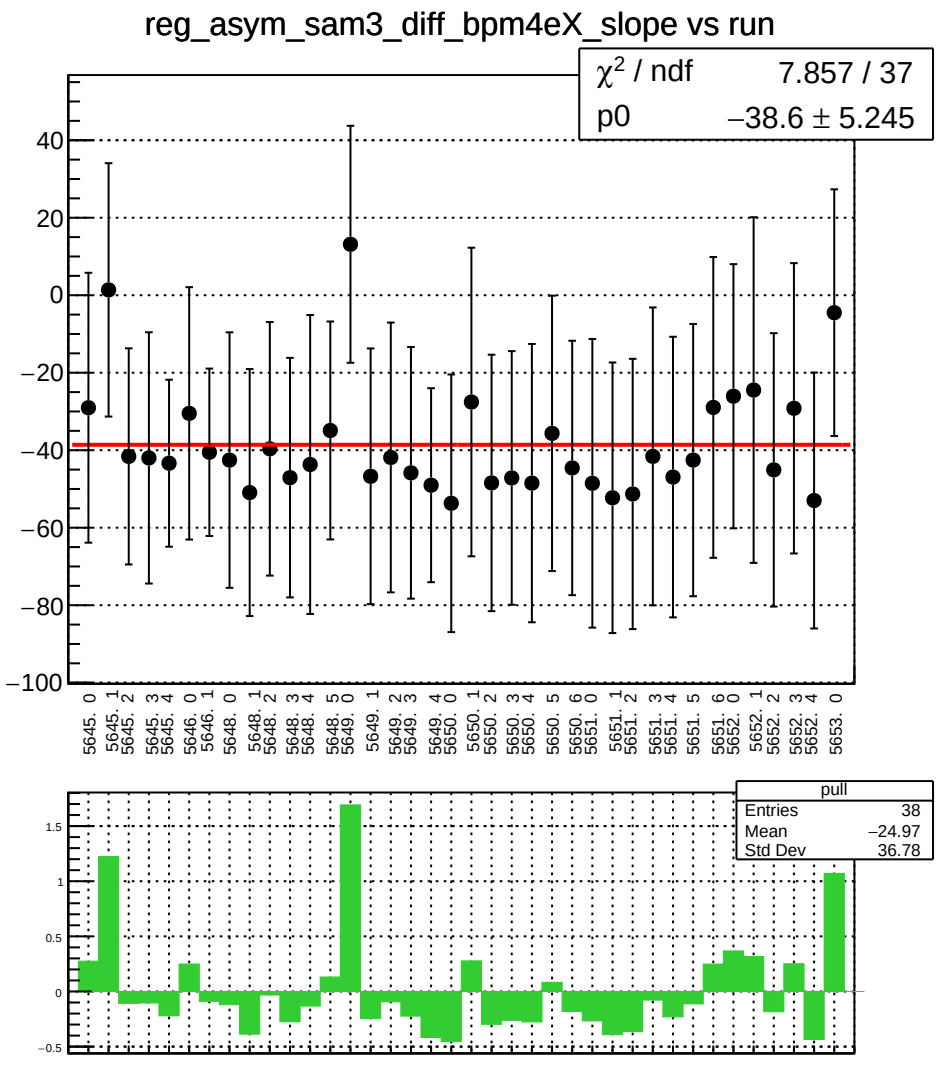

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.379 / 37
p0 0.5731 ± 0.3109
pull
Entries 38
Mean 251.1
Std Dev 231.4
pull1D
Entries 38
Mean 0.006192
Std Dev 0.2501

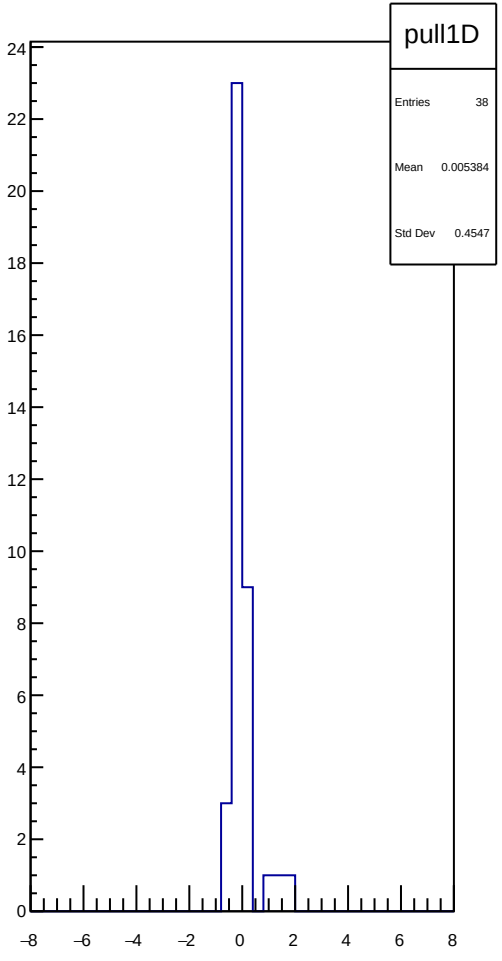

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 8.437 / 37
p0 −69.92 ± 5.26
pull
Entries 38
Mean 68.06
Std Dev 44.59

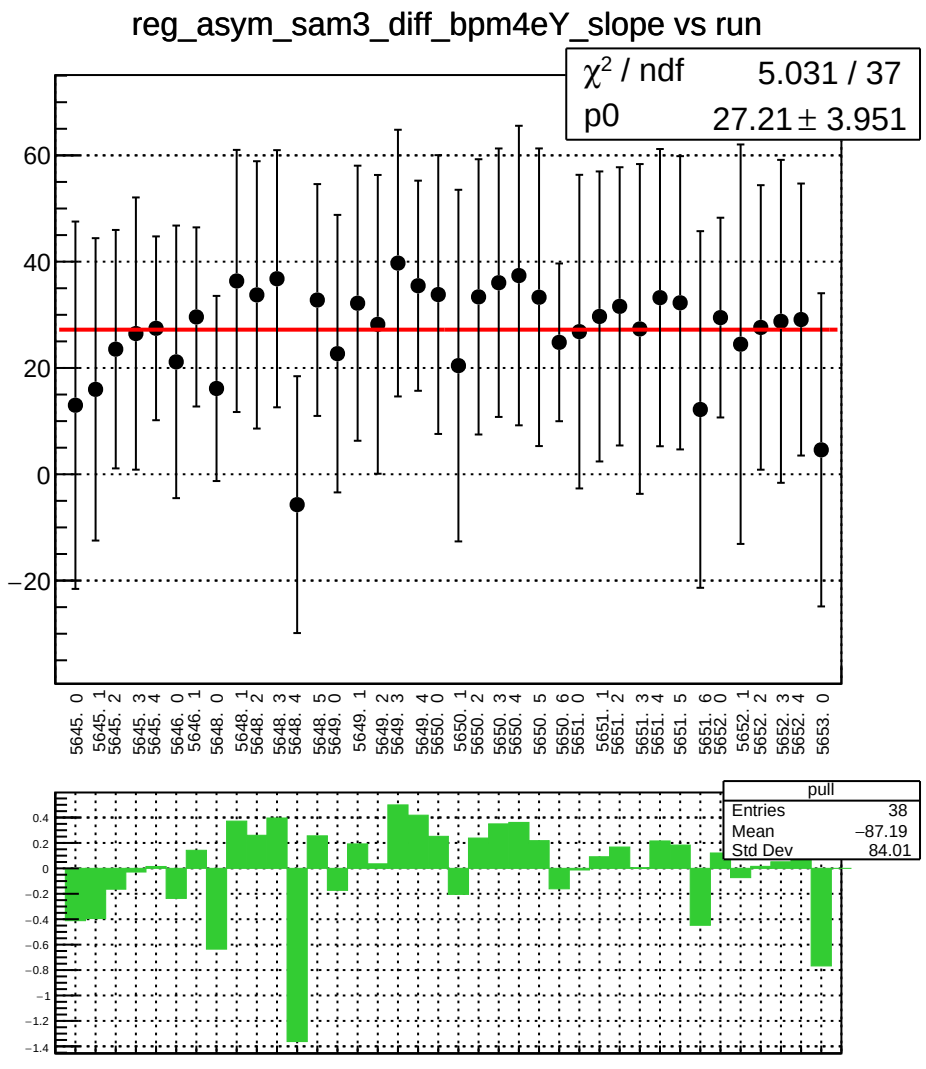

pull1D
Entries 38
Mean −0.02537
Std Dev 0.4705

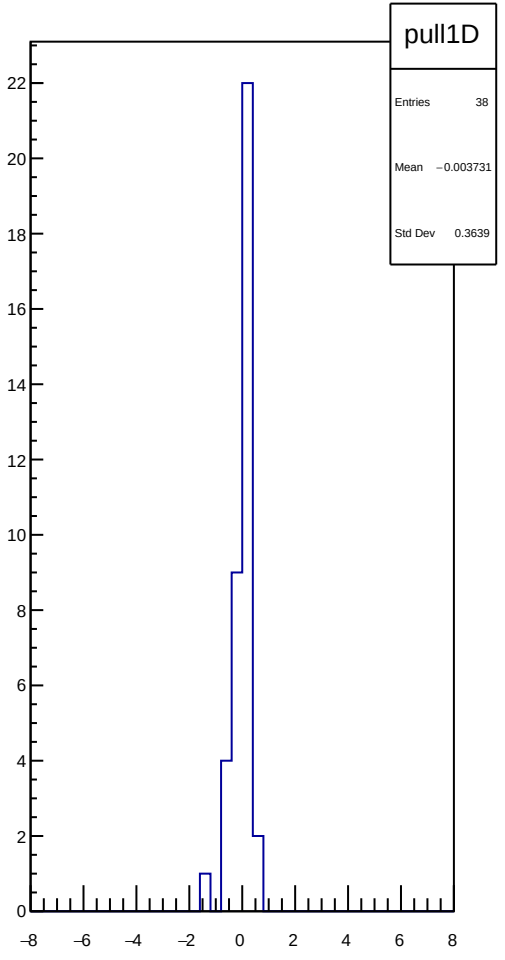

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 5.476 / 37
p0 −8.065 ± 3.135
pull
Entries 38
Mean −95.26
Std Dev 98.65

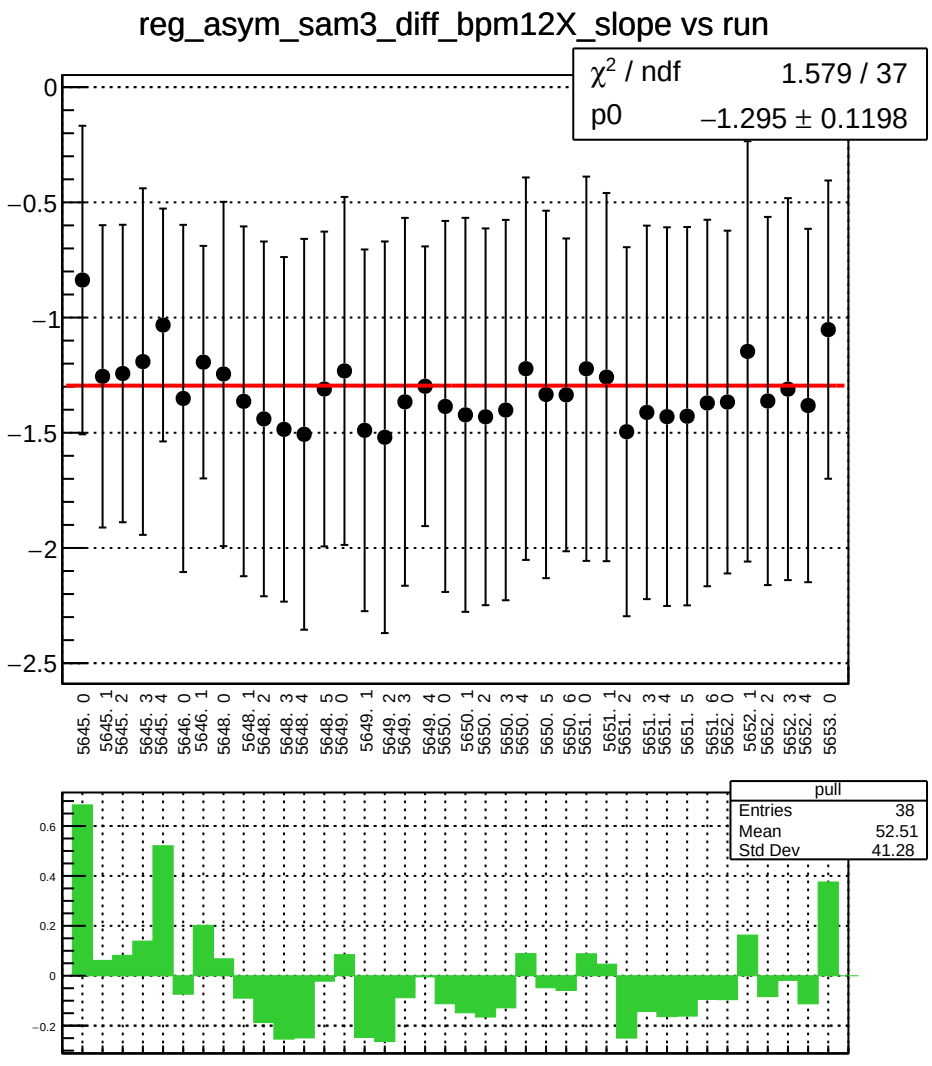

pull1D
Entries 38
Mean 0.004468
Std Dev 0.3796

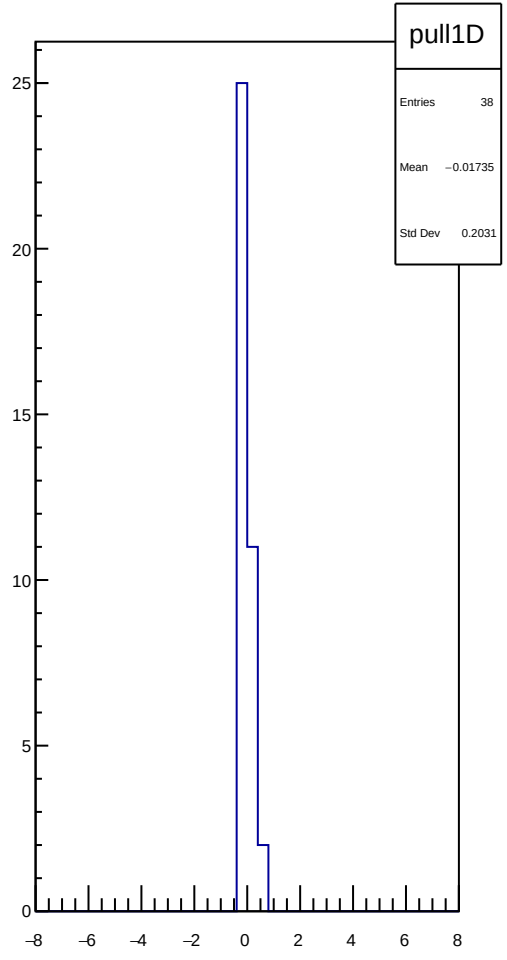

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 7.857 / 37
p0 −38.6 ± 5.245
pull
Entries 38
Mean −24.97
Std Dev 36.78

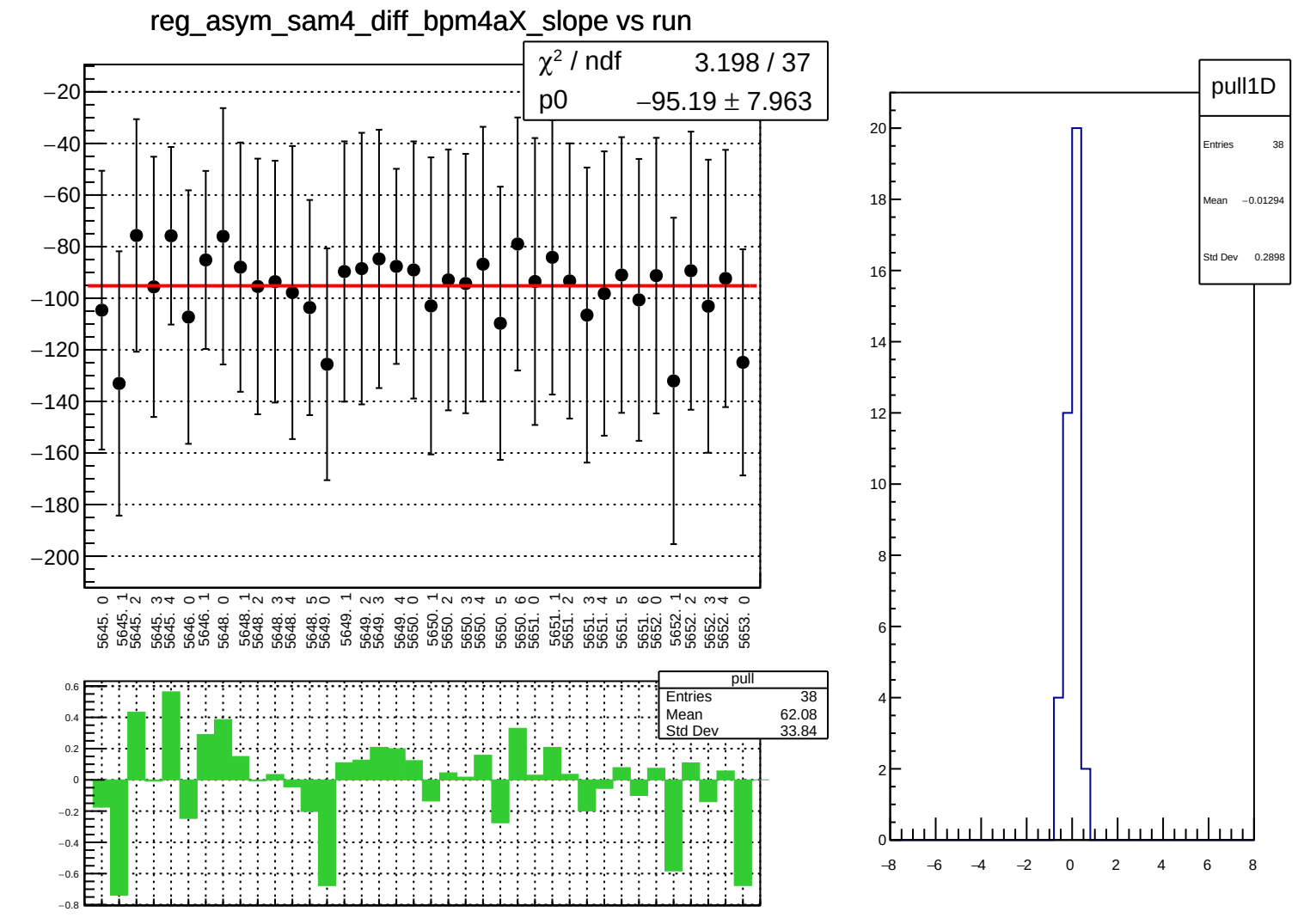

pull1D
Entries 38
Mean 0.005384
Std Dev 0.4547

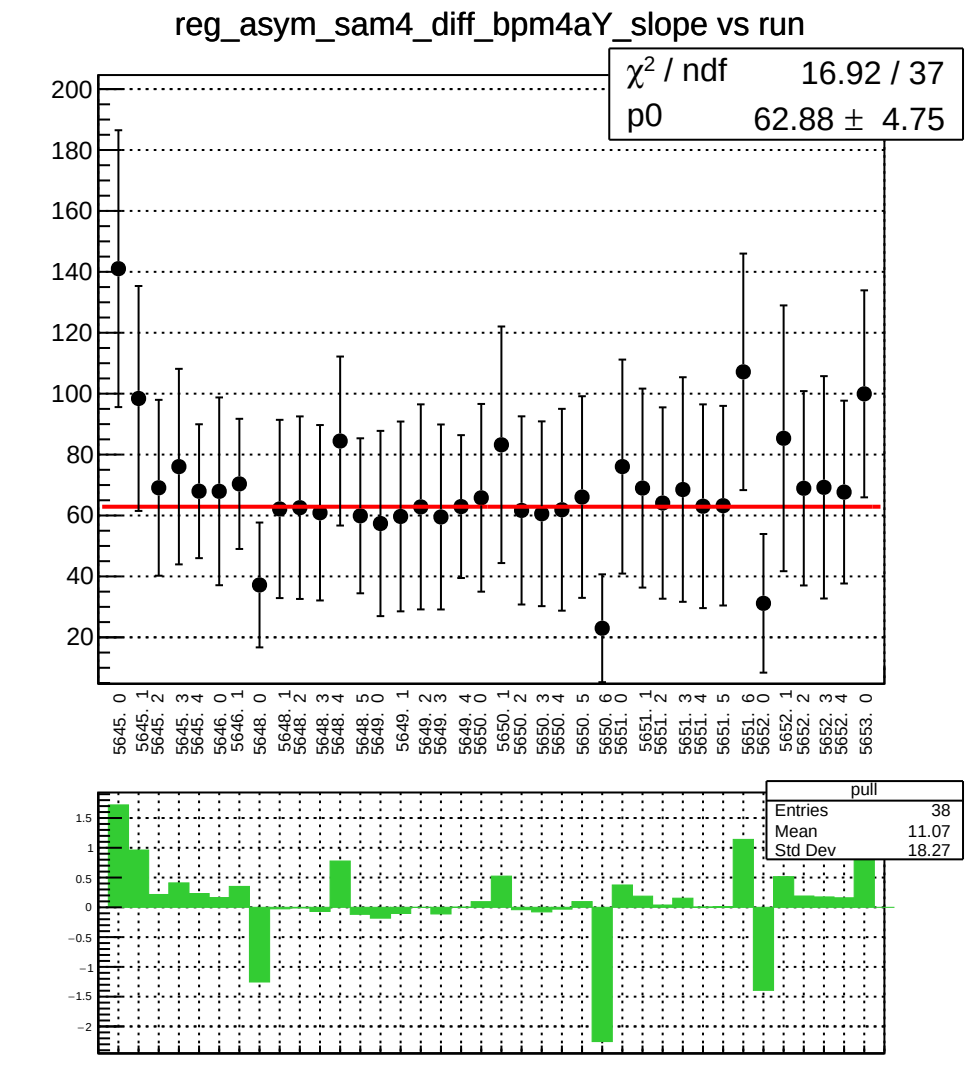

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 5.031 / 37
p0 27.21 ± 3.951
60
40
20
0
−20
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −87.19
Std Dev 84.01
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

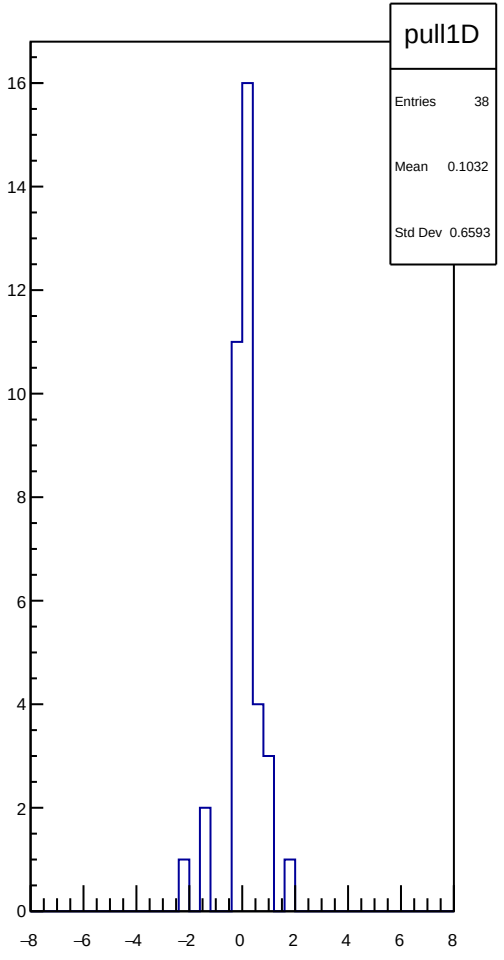

pull1D
Entries 38
Mean −0.003731
Std Dev 0.3639
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

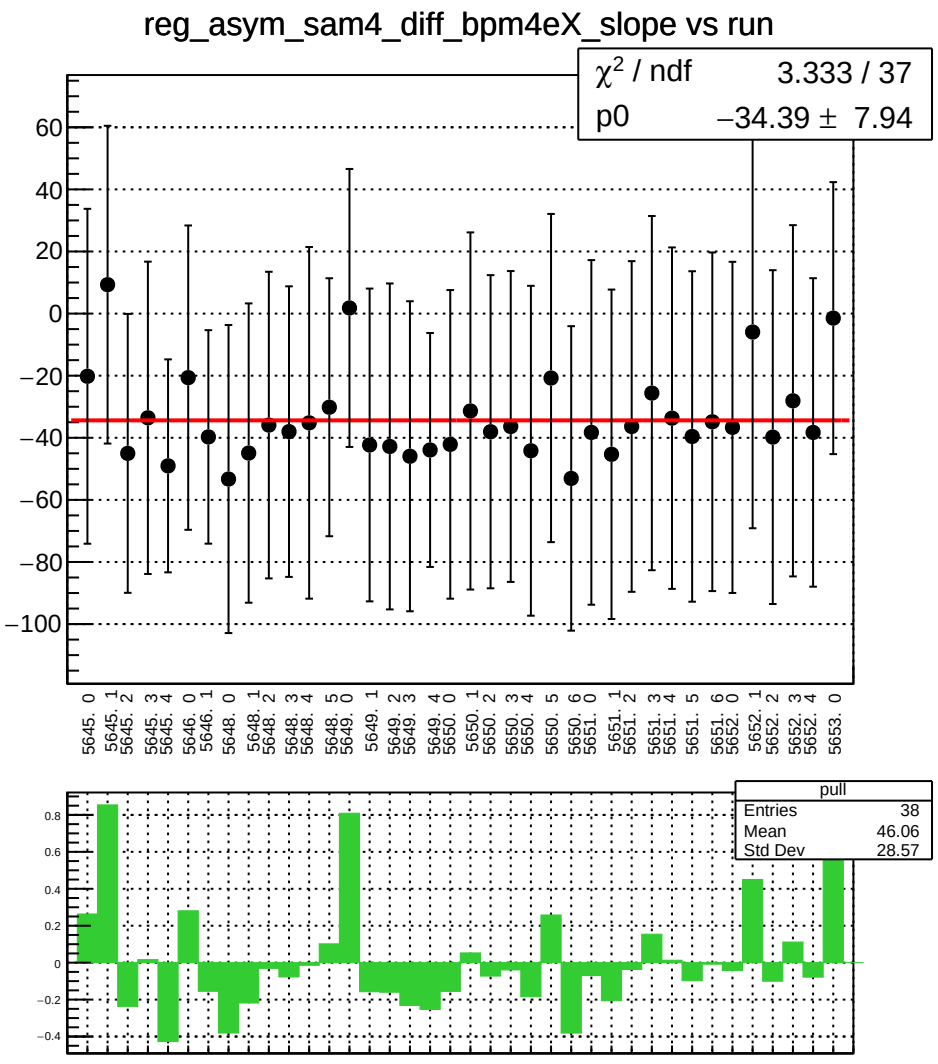

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.579 / 37
p0 −1.295 ± 0.1198
pull
Entries 38
Mean 52.51
Std Dev 41.28

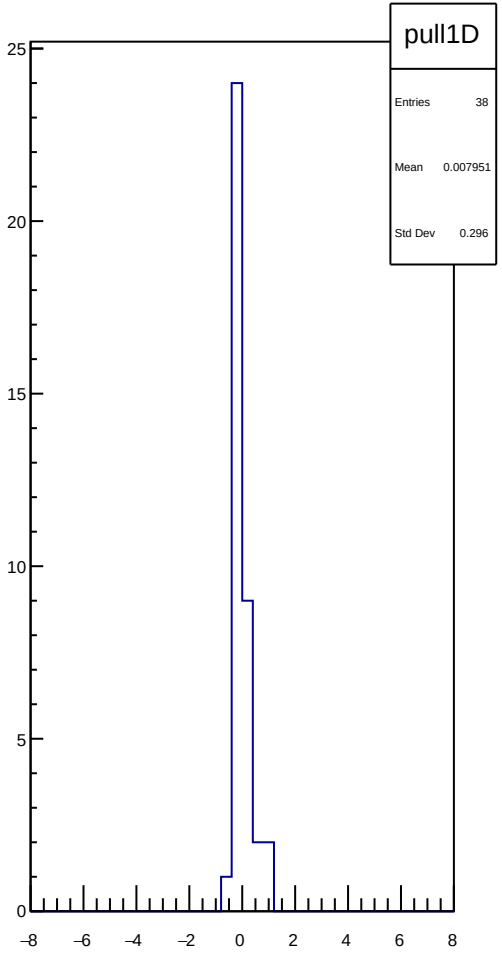

pull1D
Entries 38
Mean −0.01735
Std Dev 0.2031

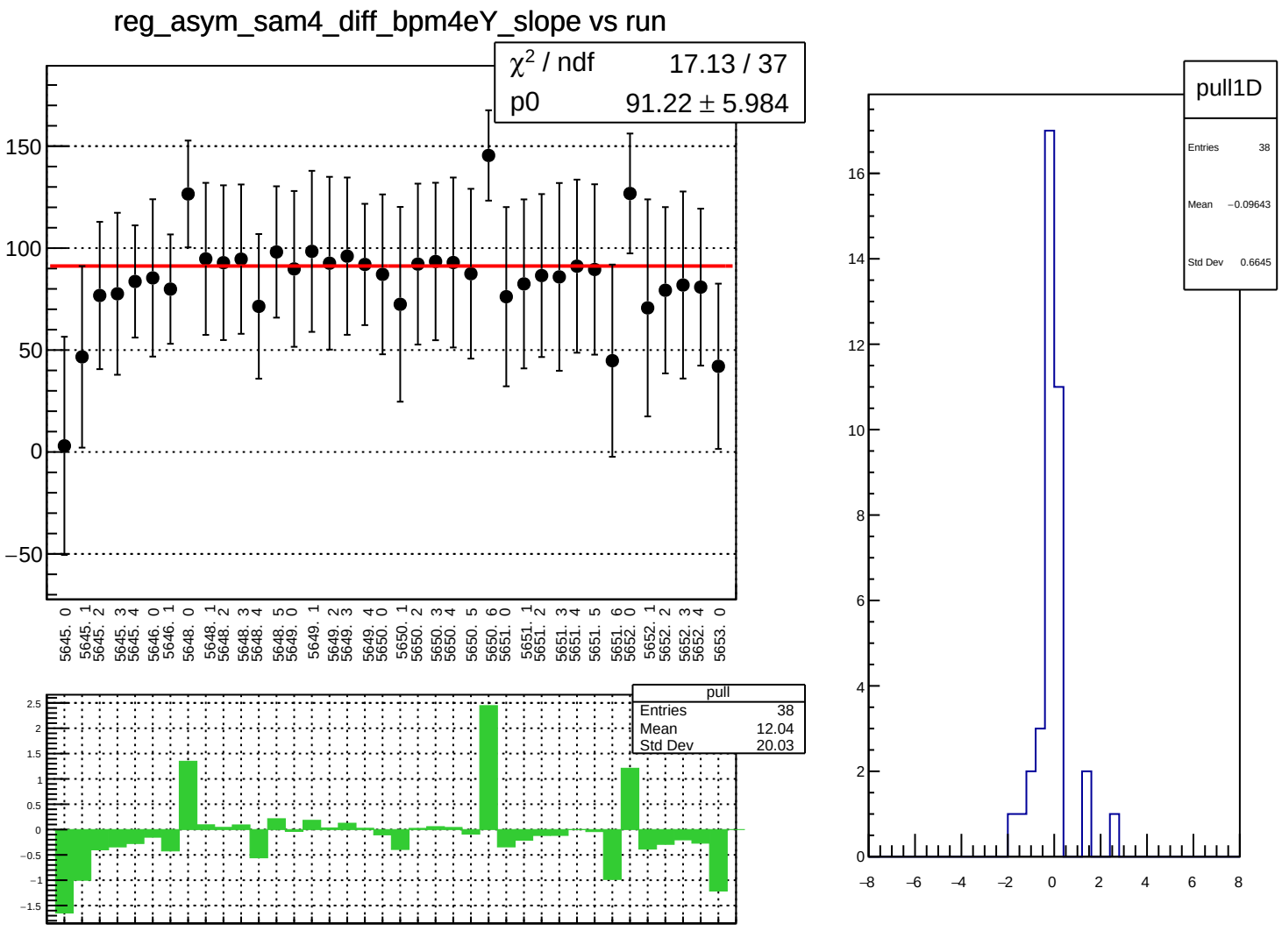

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 3.198 / 37
p0 −95.19 ± 7.963
pull
Entries 38
Mean 62.08
Std Dev 33.84
pull1D
Entries 38
Mean −0.01294
Std Dev 0.2898

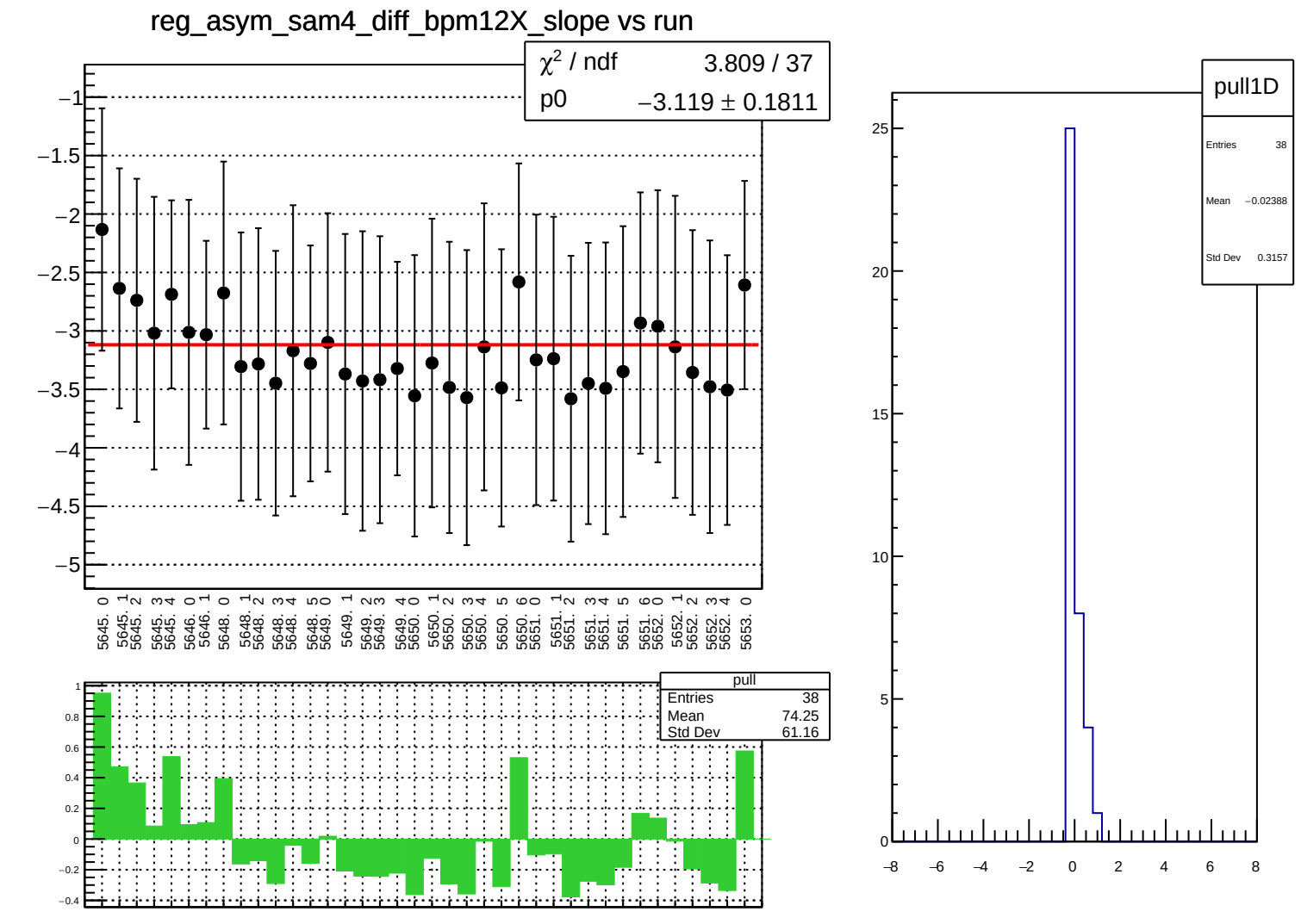

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 16.92 / 37
p0 62.88 ± 4.75
pull
Entries 38
Mean 11.07
Std Dev 18.27

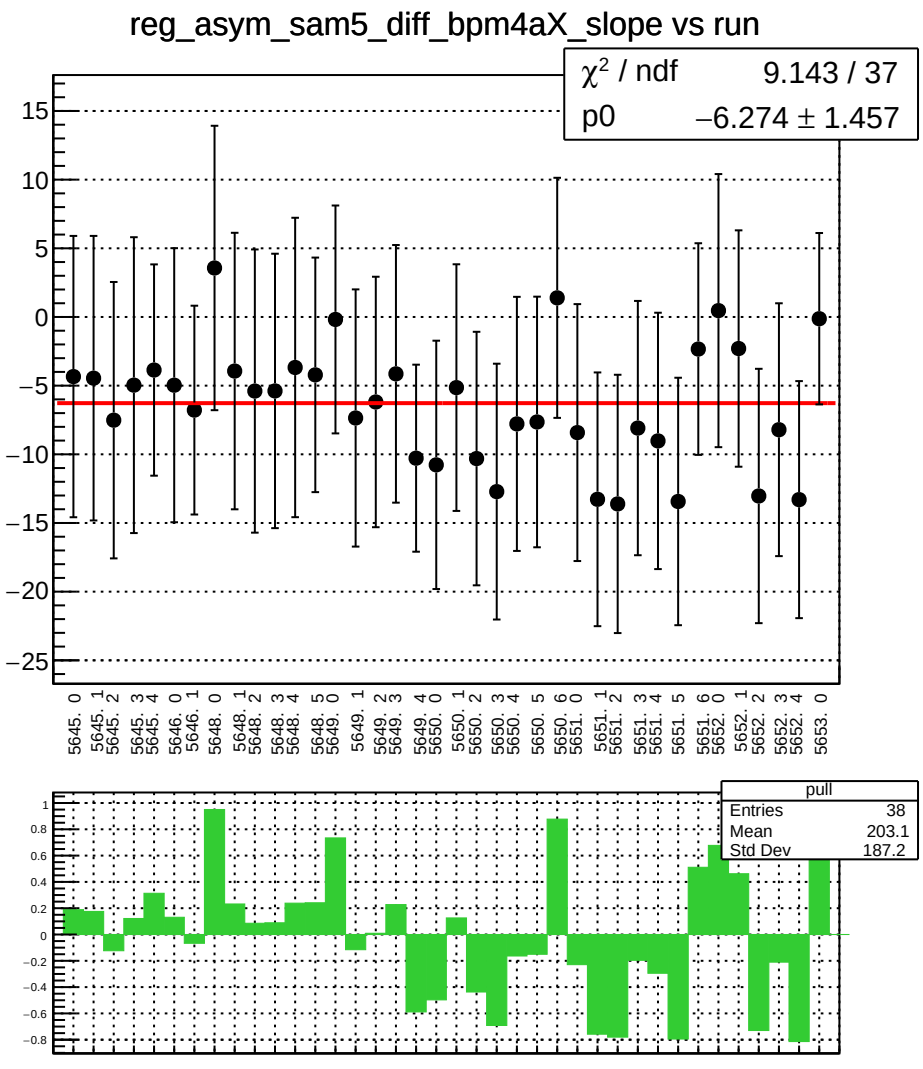

pull1D
Entries 38
Mean 0.1032
Std Dev 0.6593

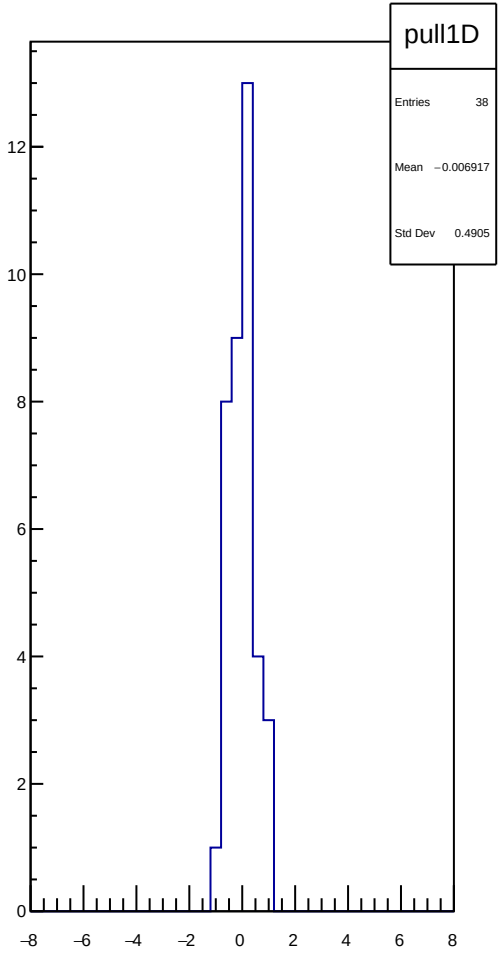

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 3.333 / 37
p0 −34.39 ± 7.94
pull
Entries 38
Mean 46.06
Std Dev 28.57

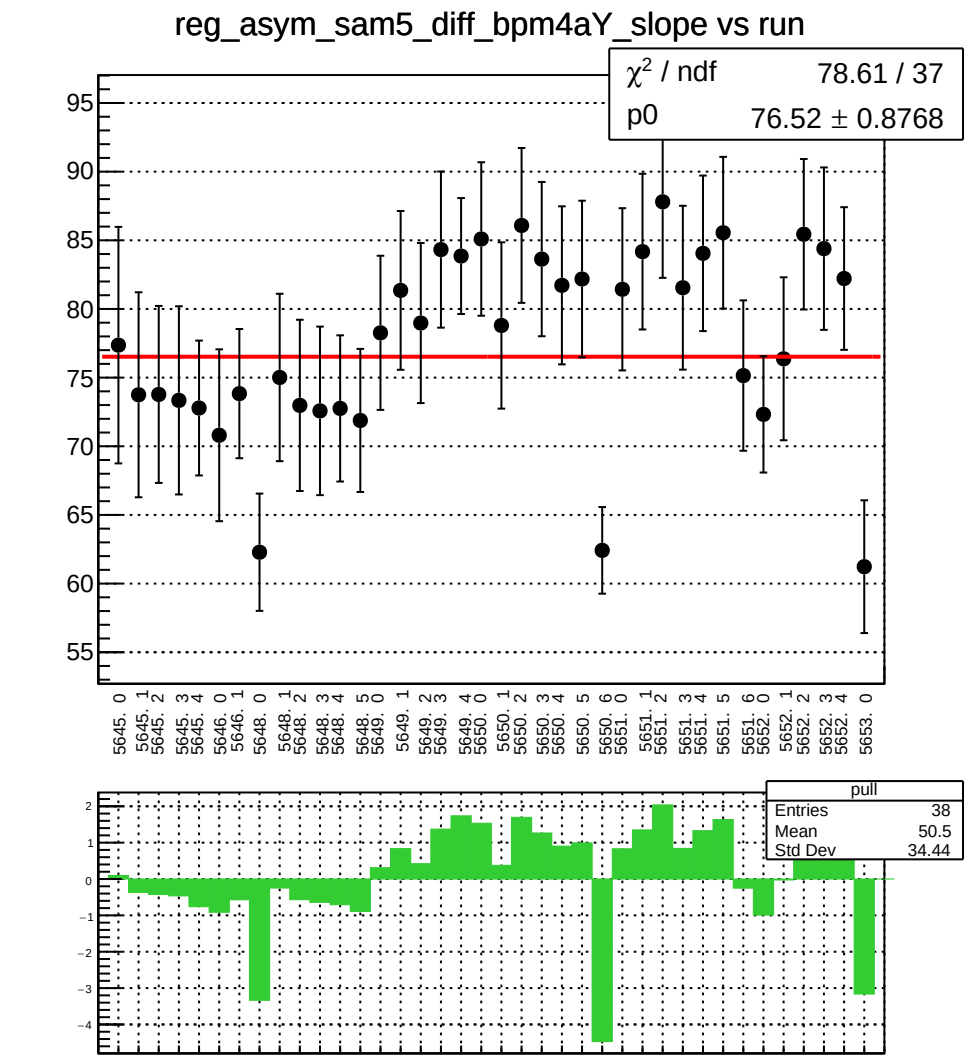

pull1D
Entries 38
Mean 0.007951
Std Dev 0.296

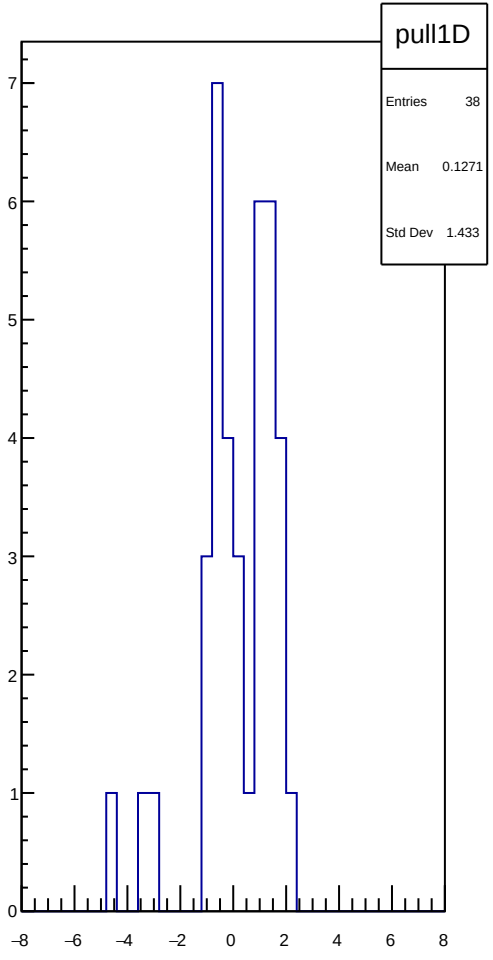

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 17.13 / 37
p0 91.22 ± 5.984
150
100
50
0
−50
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 12.04
Std Dev 20.03
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean −0.09643
Std Dev 0.6645
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

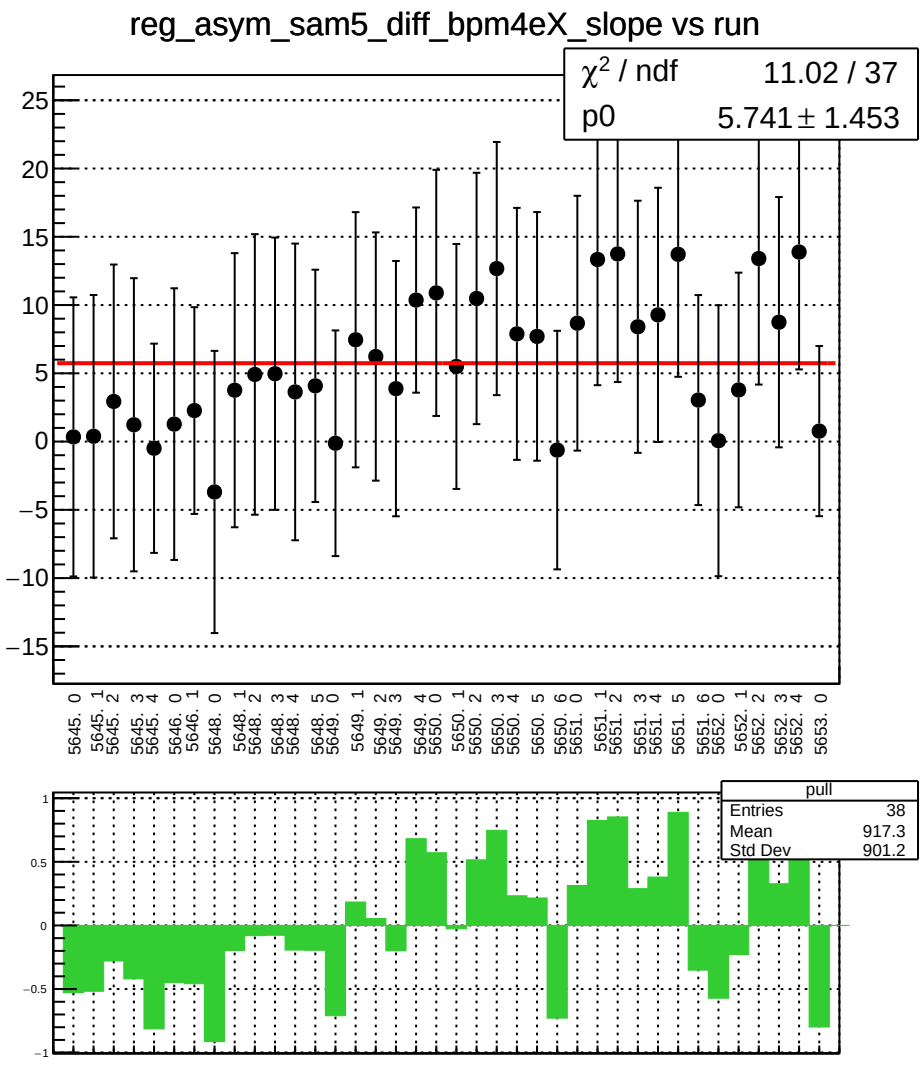

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 3.809 / 37
p0 −3.119 ± 0.1811
pull
Entries 38
Mean 74.25
Std Dev 61.16
pull1D
Entries 38
Mean −0.02388
Std Dev 0.3157

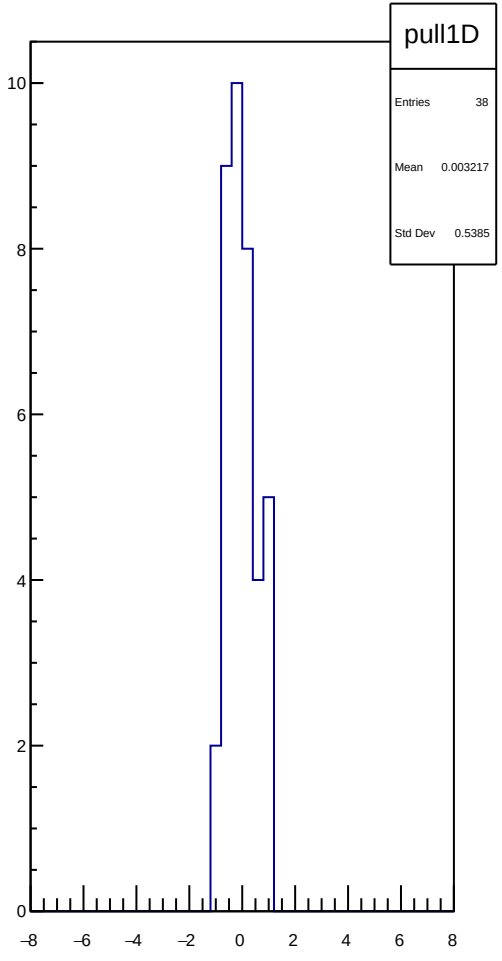

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 9.143 / 37
p0 −6.274 ± 1.457
pull
Entries 38
Mean 203.1
Std Dev 187.2

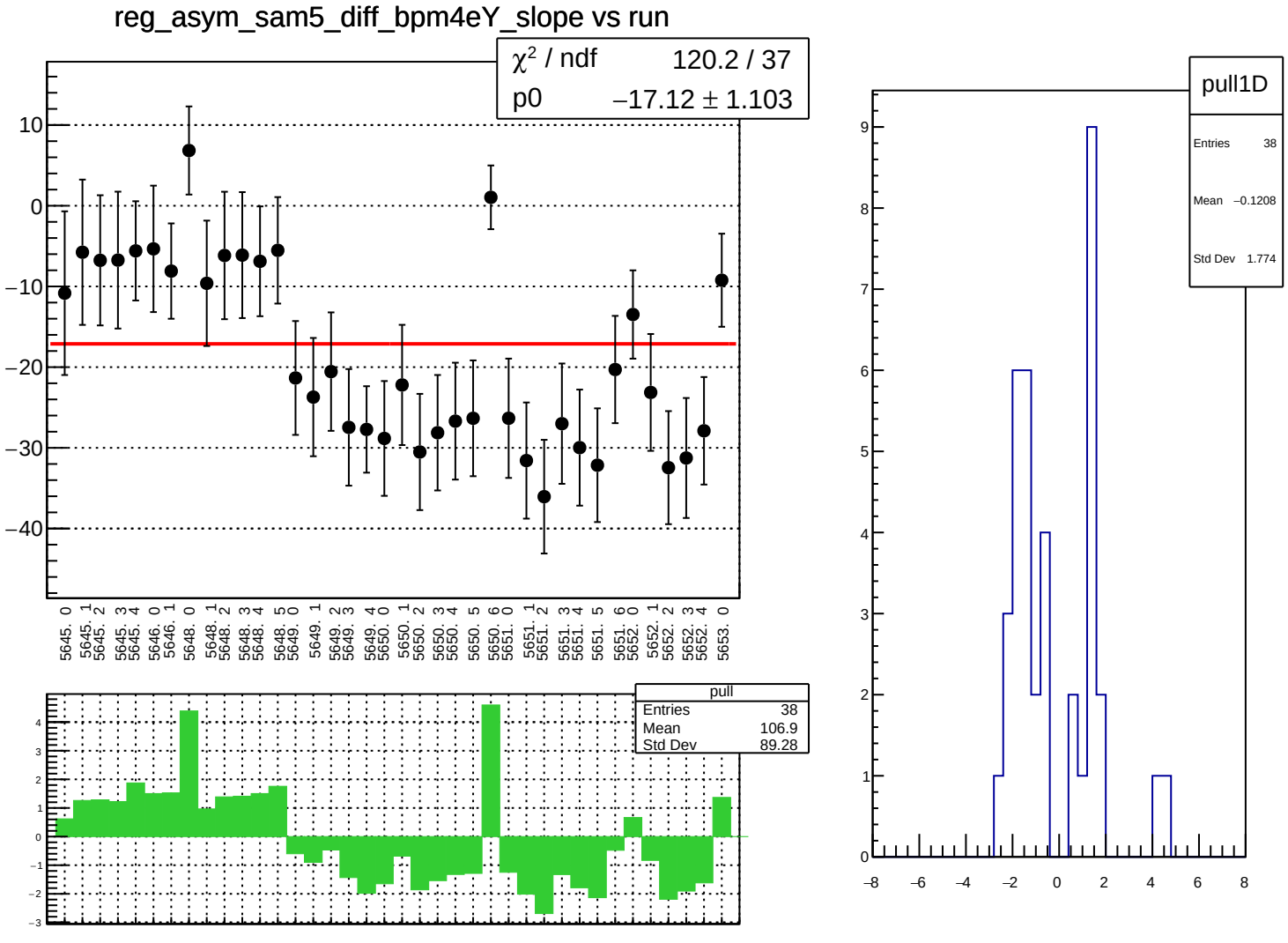

pull1D
Entries 38
Mean −0.006917
Std Dev 0.4905

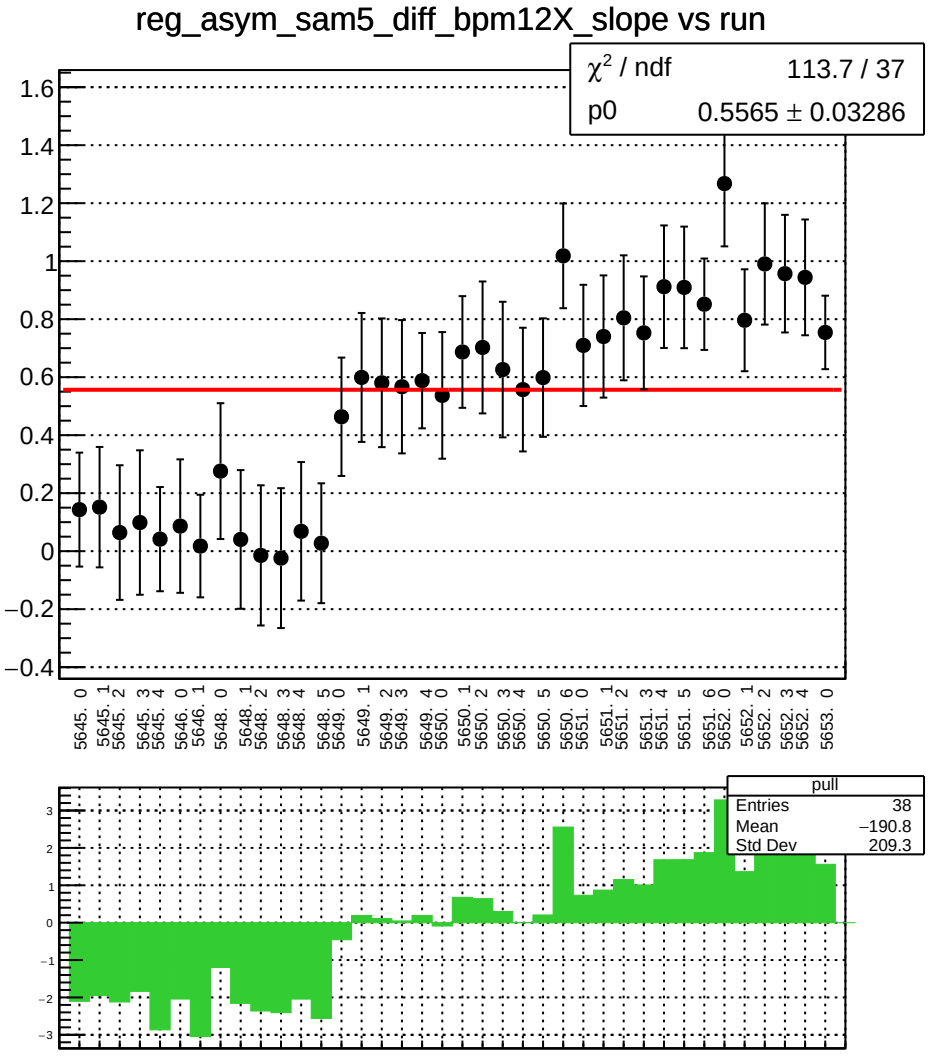

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 78.61 / 37
p0 76.52 ± 0.8768
pull
Entries 38
Mean 50.5
Std Dev 34.44

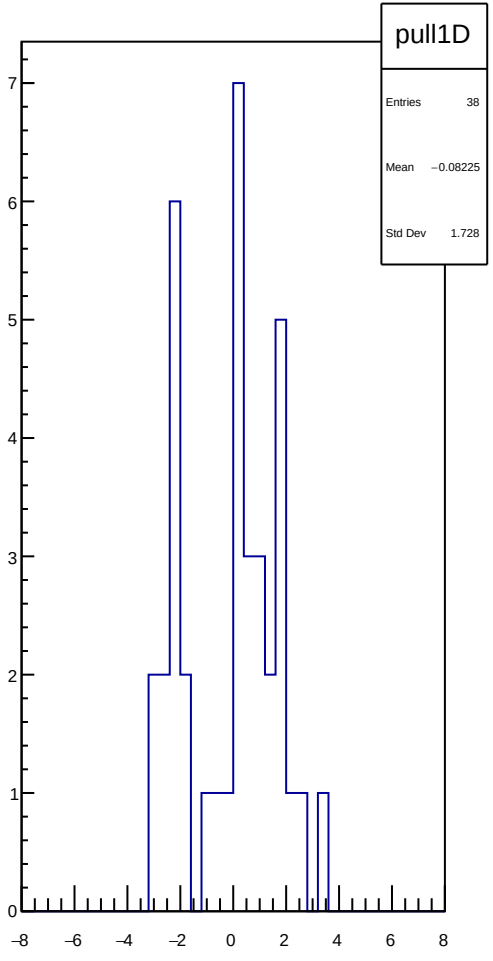

pull1D
Entries 38
Mean 0.1271
Std Dev 1.433

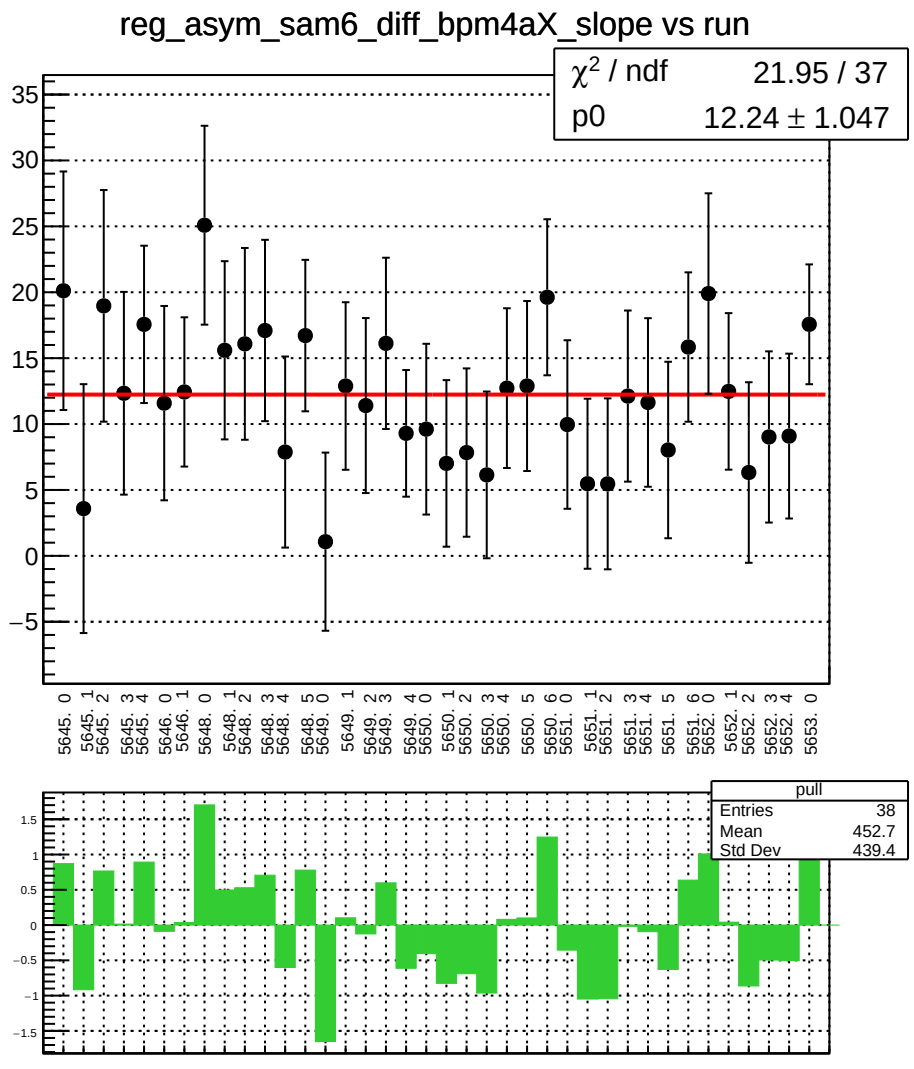

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 11.02 / 37
p0 5.741 ± 1.453
pull
Entries 38
Mean 917.3
Std Dev 901.2

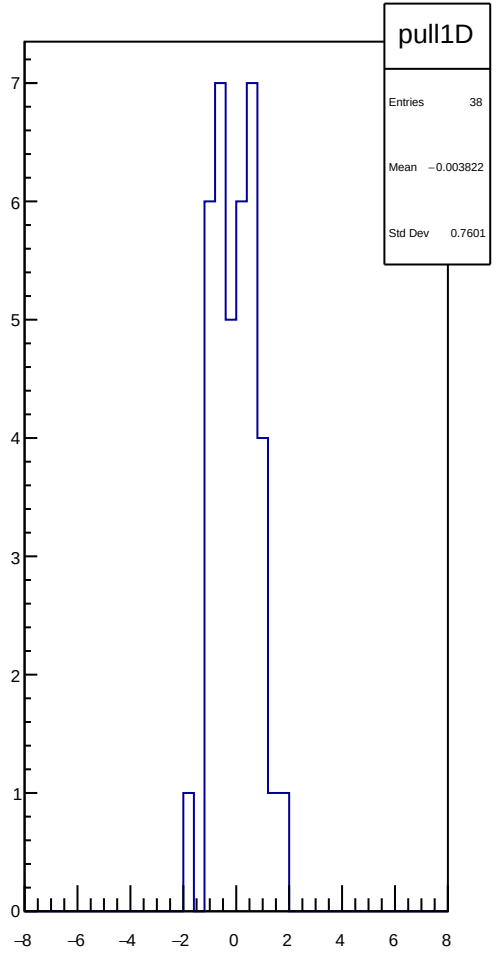

pull1D
Entries 38
Mean 0.003217
Std Dev 0.5385

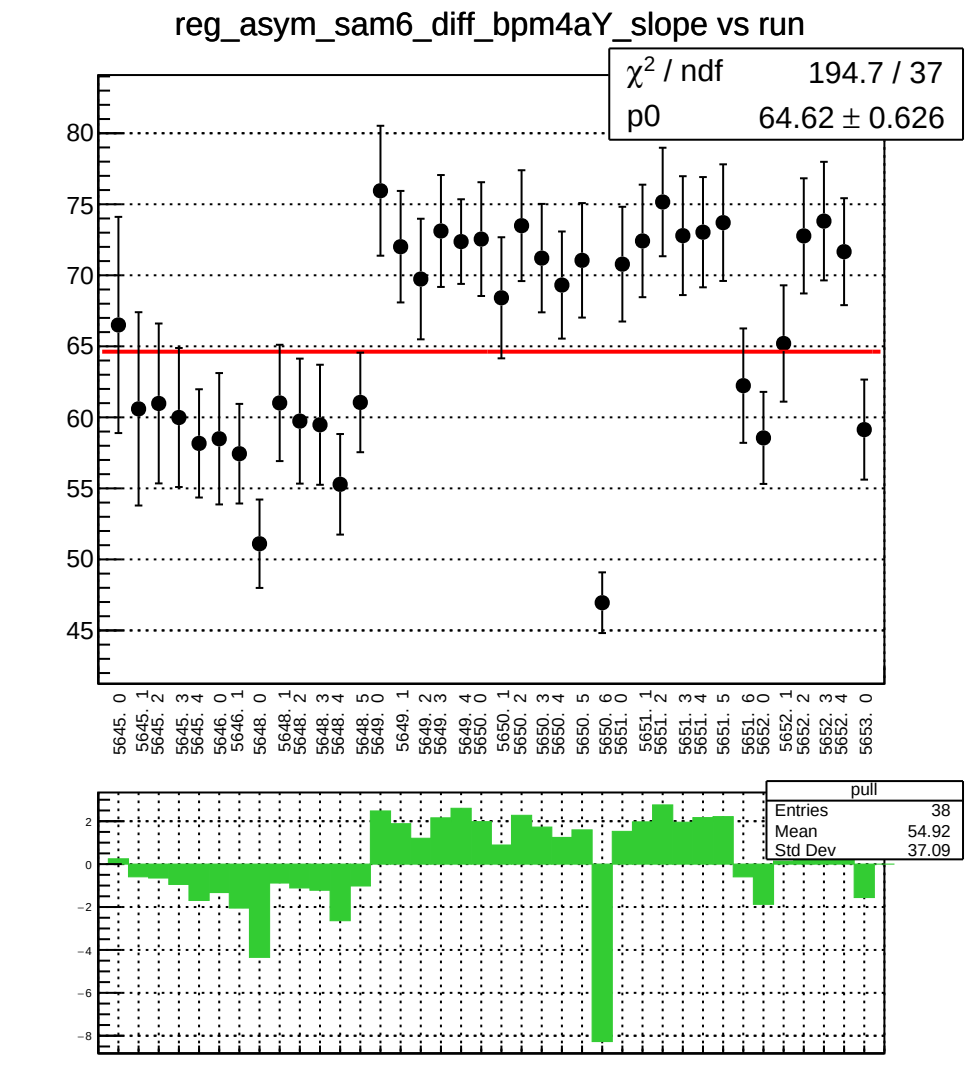

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 120.2 / 37
p0 −17.12 ± 1.103
pull
Entries 38
Mean 106.9
Std Dev 89.28
pull1D
Entries 38
Mean −0.1208
Std Dev 1.774

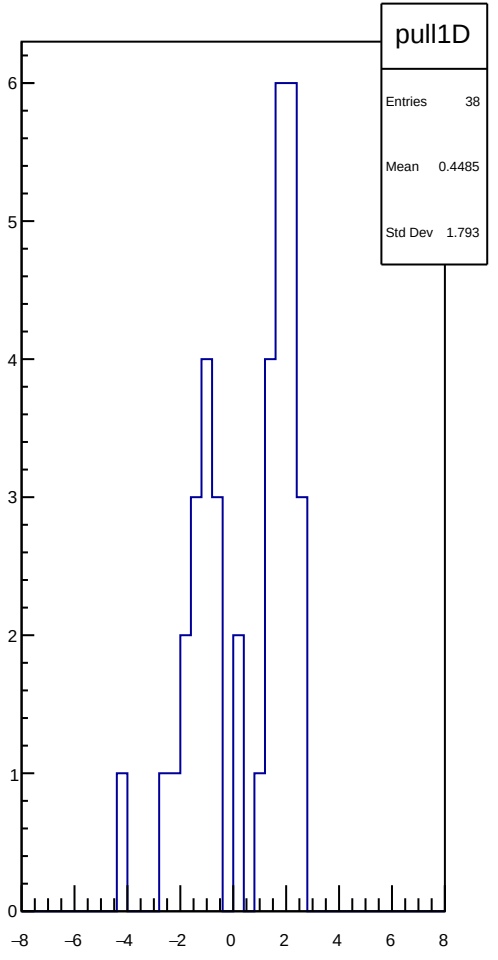

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 113.7 / 37
p0 0.5565 ± 0.03286
pull
Entries 38
Mean −190.8
Std Dev 209.3

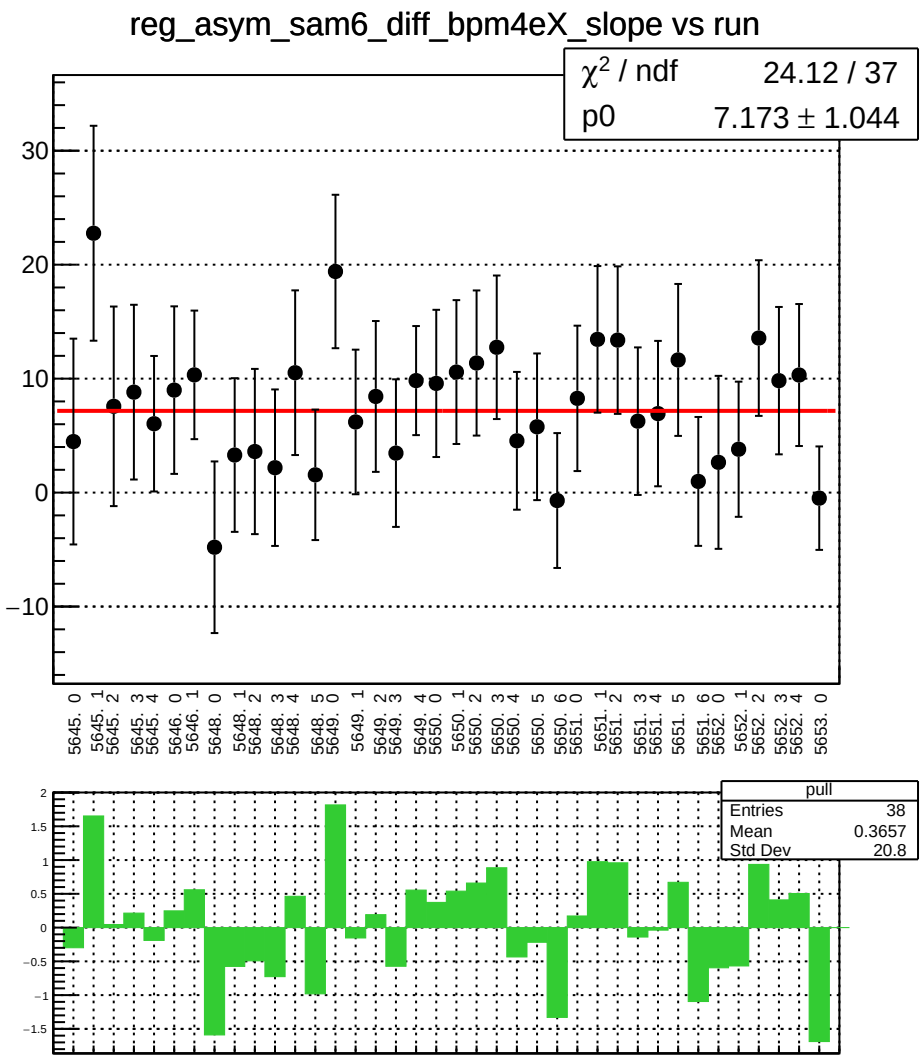

pull1D
Entries 38
Mean −0.08225
Std Dev 1.728

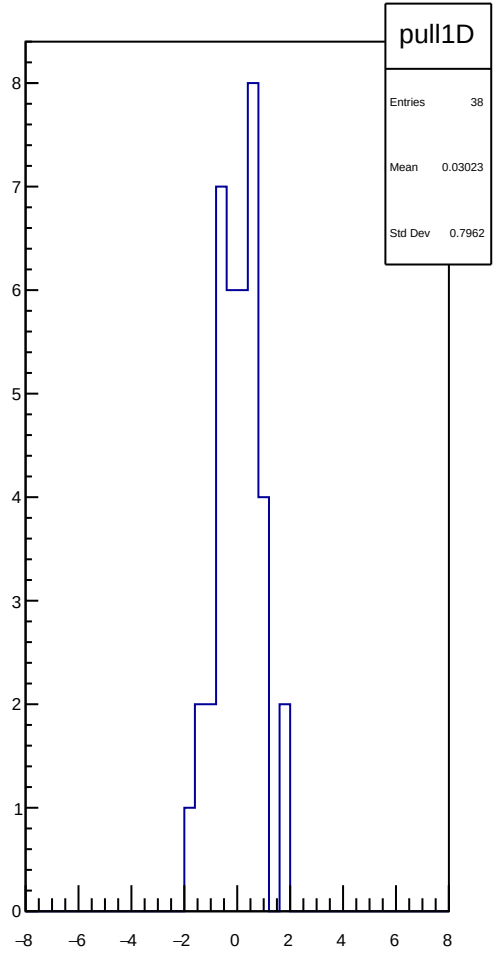

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 21.95 / 37
p0 12.24 ± 1.047
pull
Entries 38
Mean 452.7
Std Dev 439.4

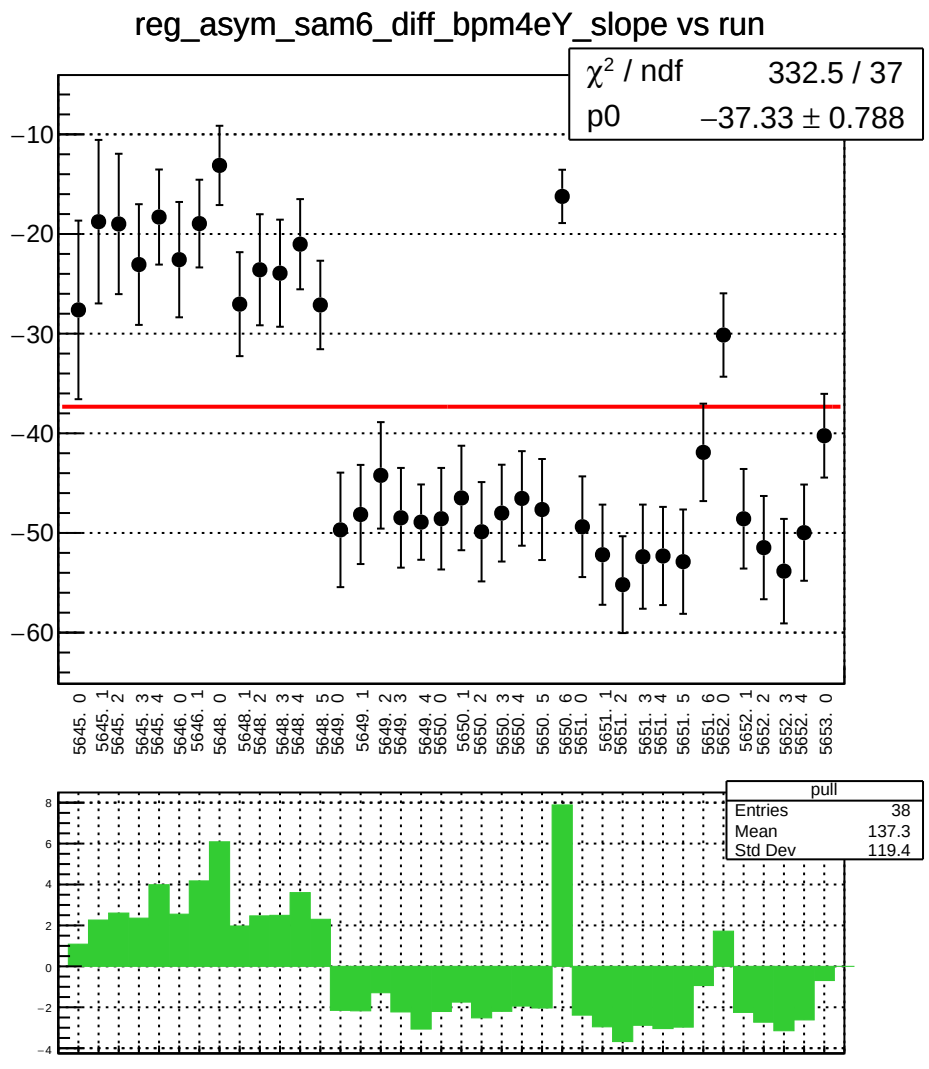

pull1D
Entries 38
Mean −0.003822
Std Dev 0.7601

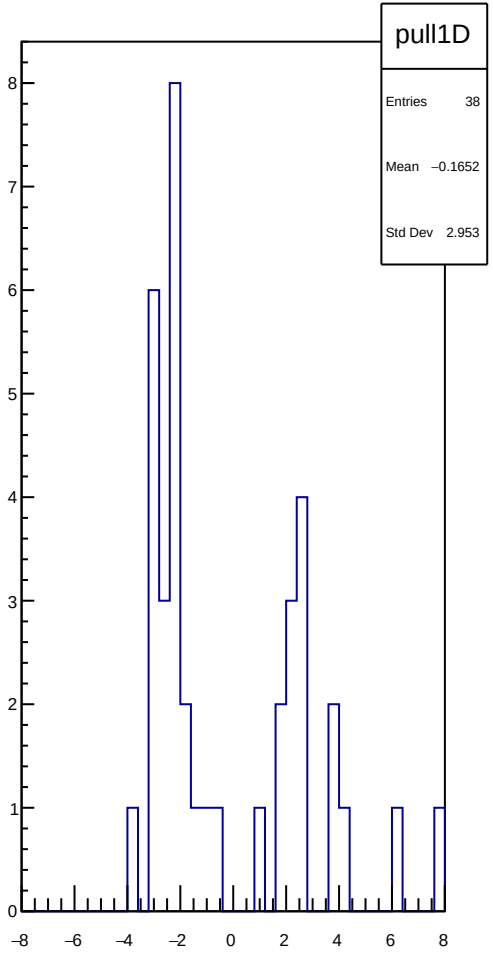

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 194.7 / 37
p0 64.62 ± 0.626
80
75
70
65
60
55
50
45
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 54.92
Std Dev 37.09
2
0
−2
−4
−6
−8

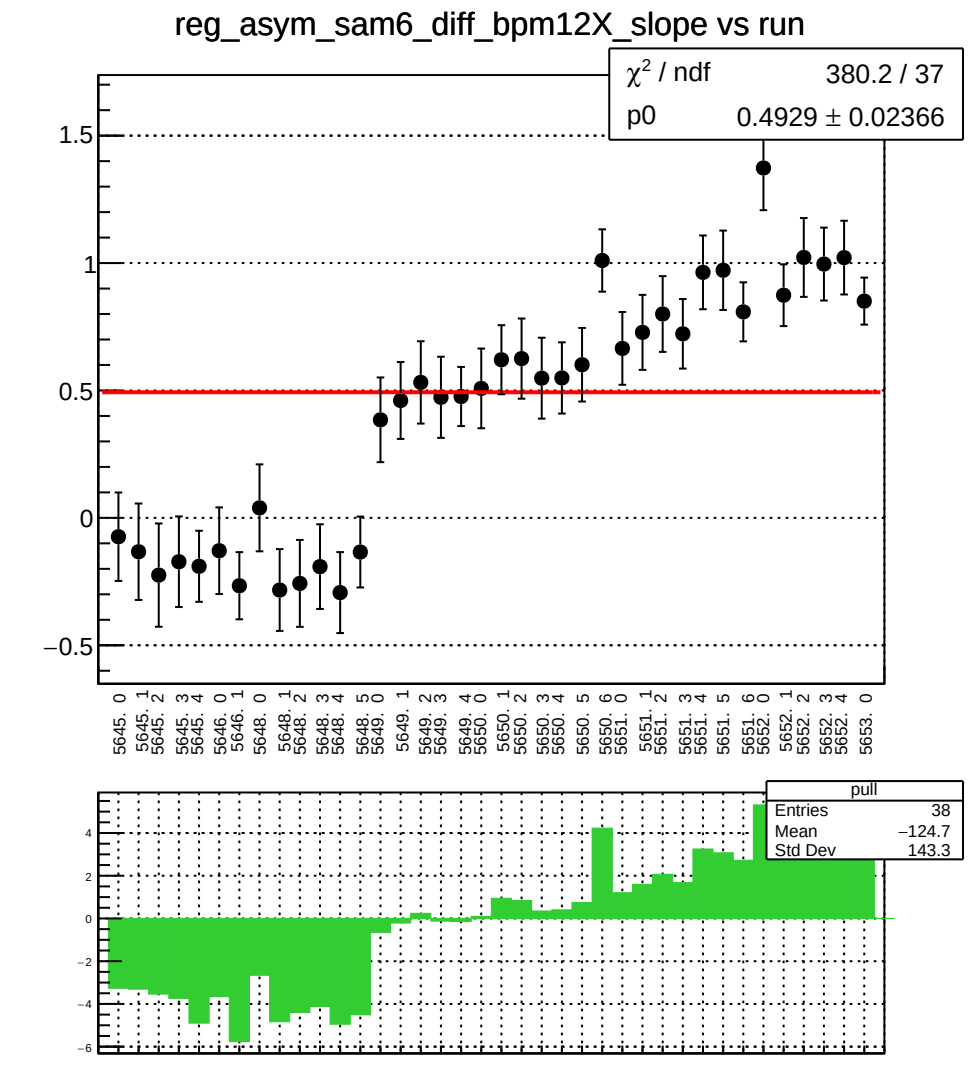

pull1D
Entries 38
Mean 0.4485
Std Dev 1.793
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

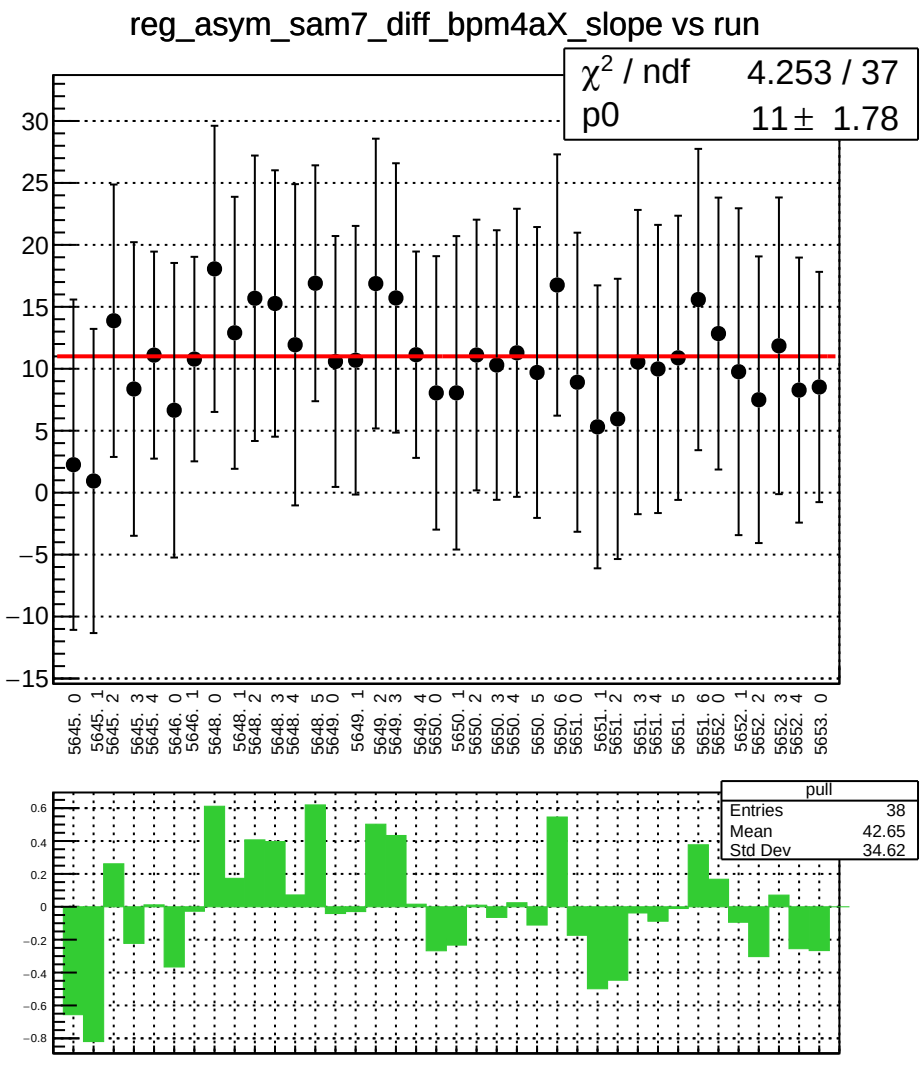

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 24.12 / 37
p0 7.173 ± 1.044
pull
Entries 38
Mean 0.3657
Std Dev 20.8

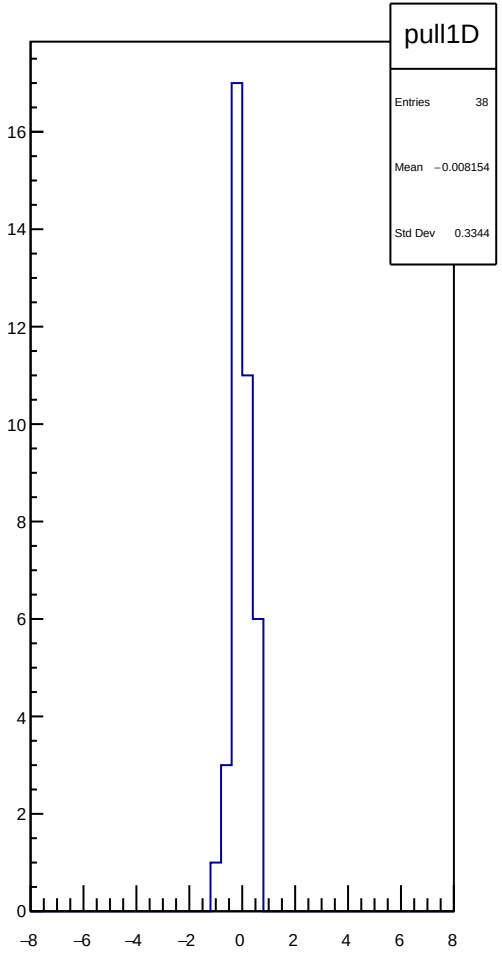

pull1D
Entries 38
Mean 0.03023
Std Dev 0.7962

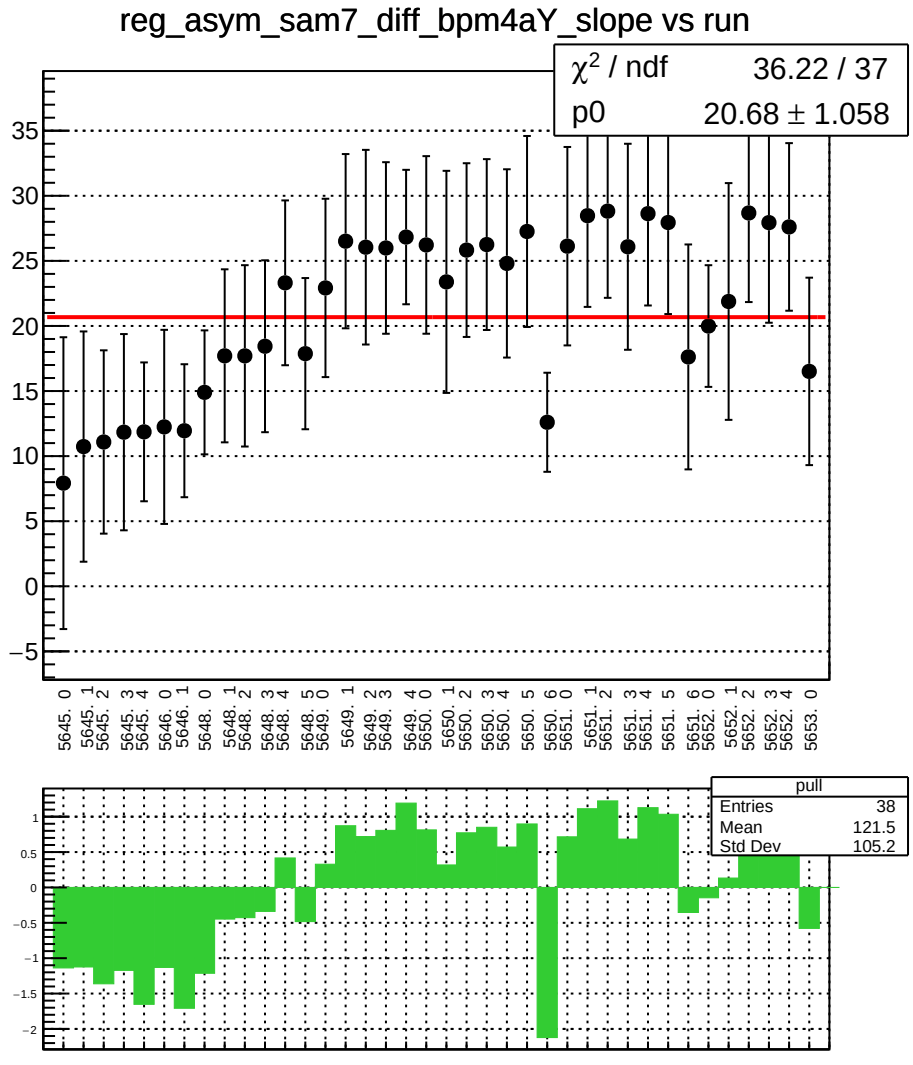

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 332.5 / 37
p0 −37.33 ± 0.788
−10
−20
−30
−40
−50
−60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 137.3
Std Dev 119.4
8
6
4
2
0
−2
−4

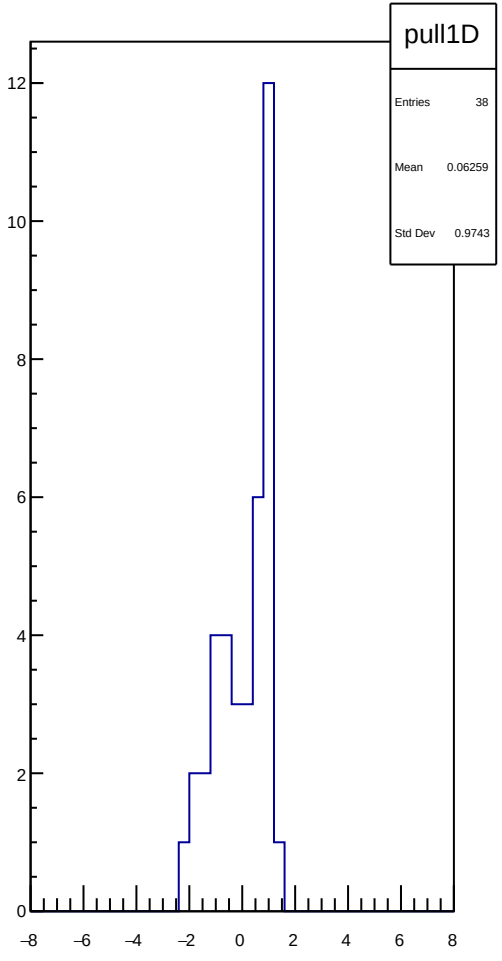

pull1D
Entries 38
Mean −0.1652
Std Dev 2.953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

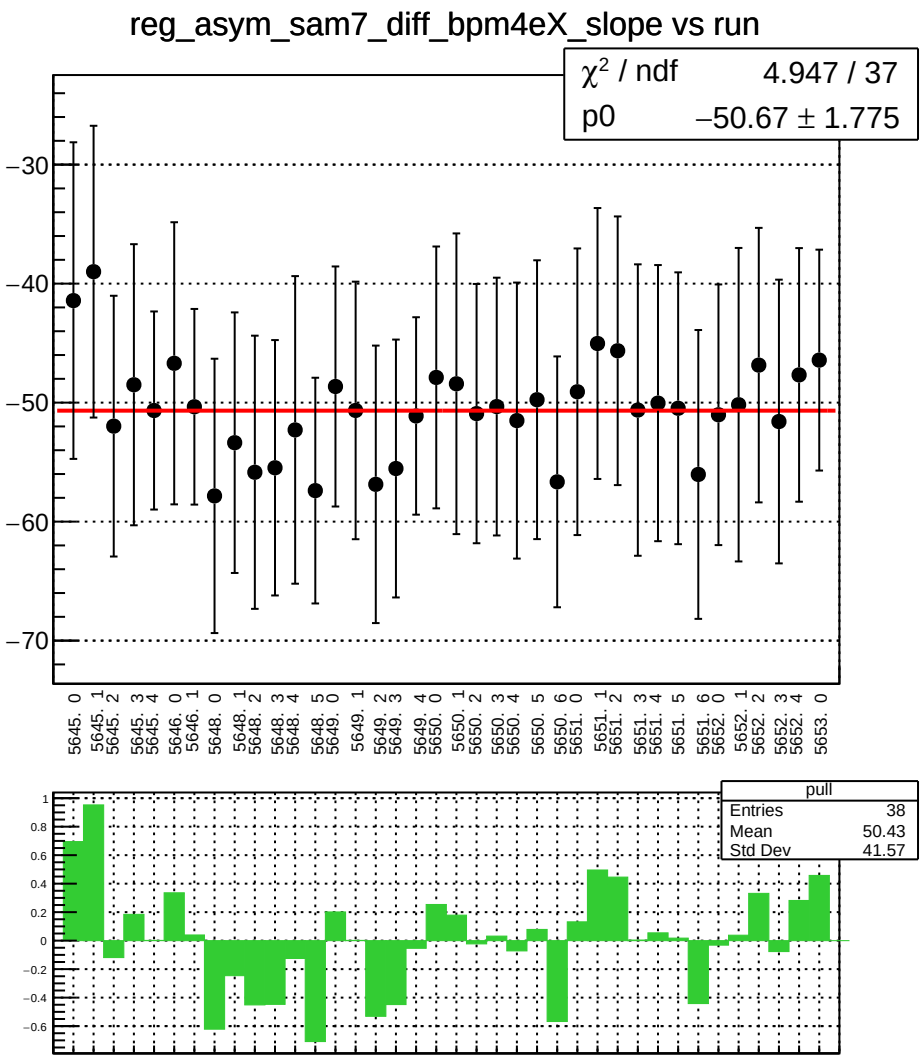

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 380.2 / 37
p0 0.4929 ± 0.02366
1.5
1
0.5
0
−0.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −124.7
Std Dev 143.3
4
2
0
−2
−4
−6
pull1D
Entries 38
Mean −0.2211
Std Dev 3.155
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

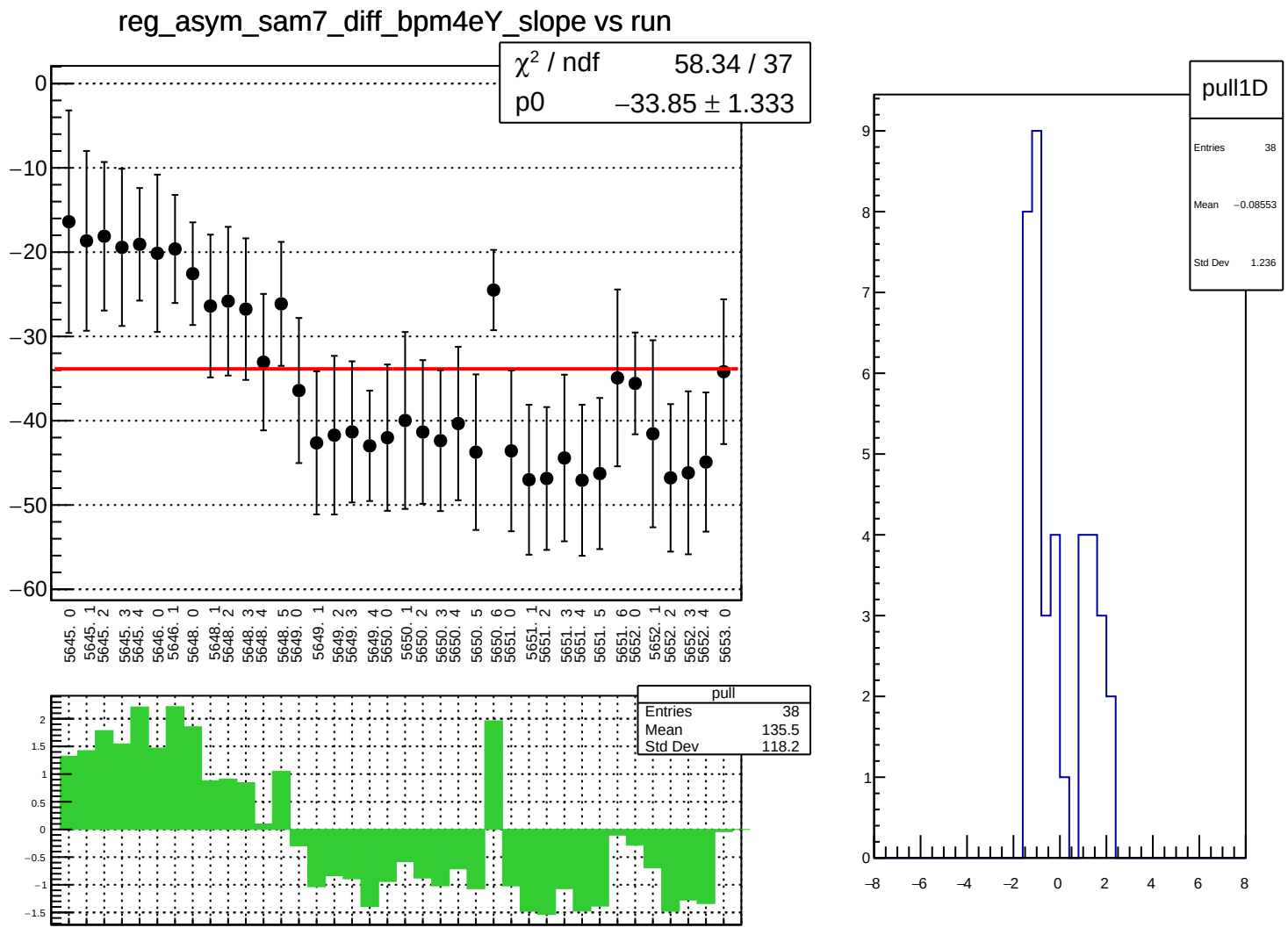

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 4.253 / 37
p0 11 ± 1.78
pull
Entries 38
Mean 42.65
Std Dev 34.62

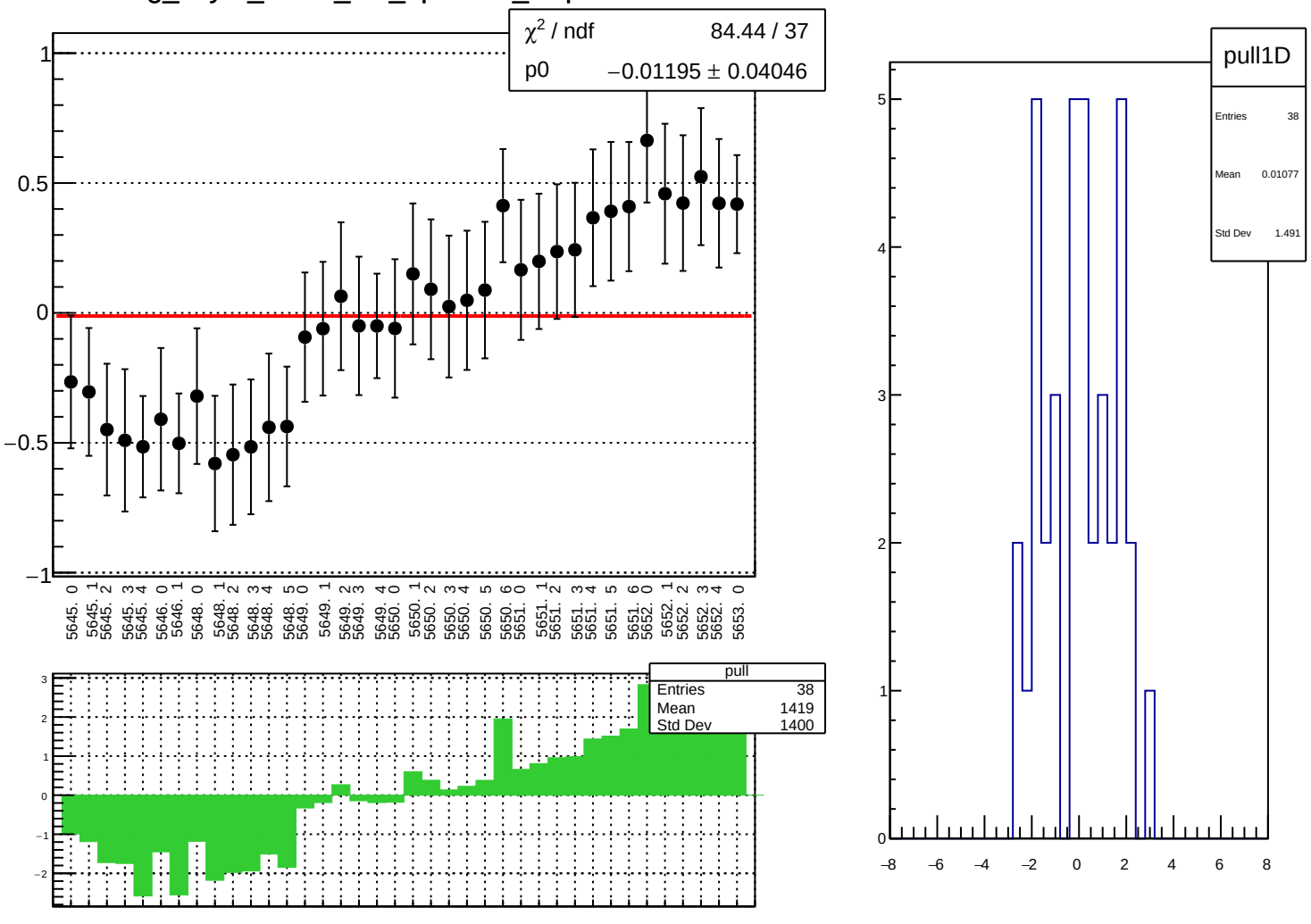

pull1D
Entries 38
Mean −0.008154
Std Dev 0.3344

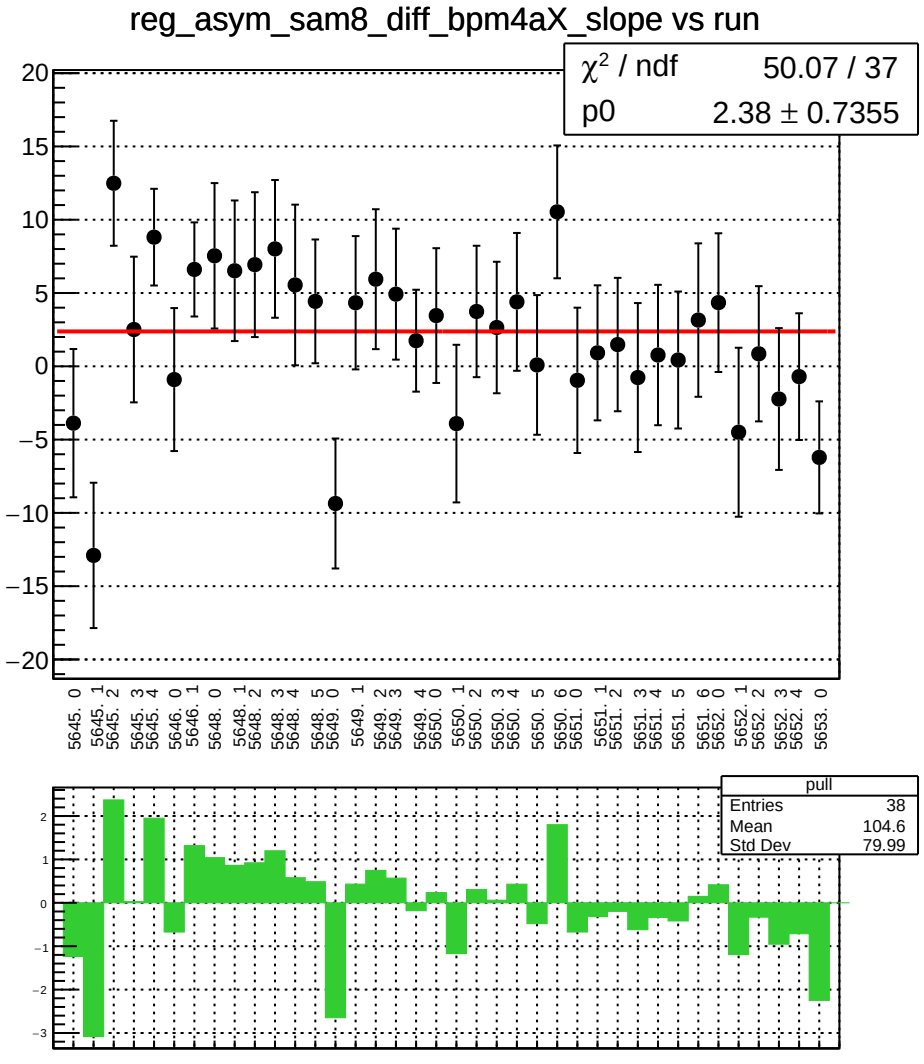

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 36.22 / 37
p0 20.68 ± 1.058
pull
Entries 38
Mean 121.5
Std Dev 105.2

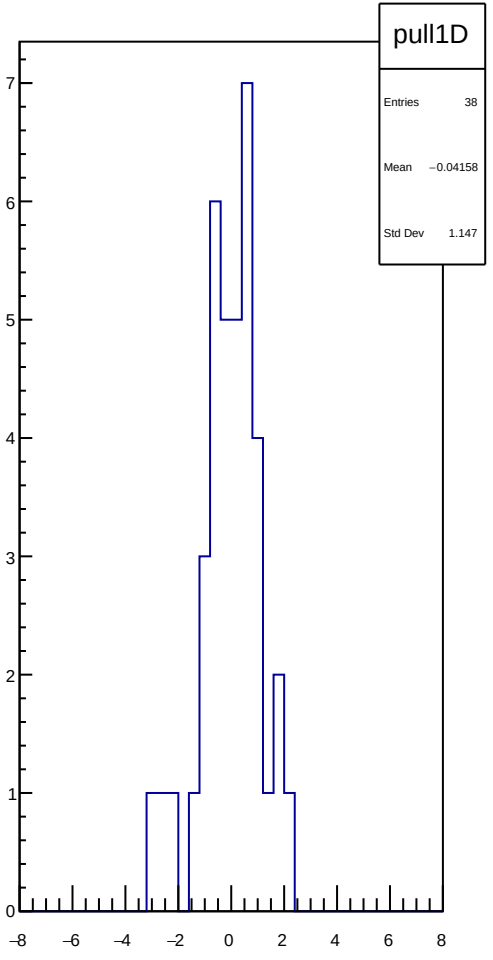

pull1D
Entries 38
Mean 0.06259
Std Dev 0.9743

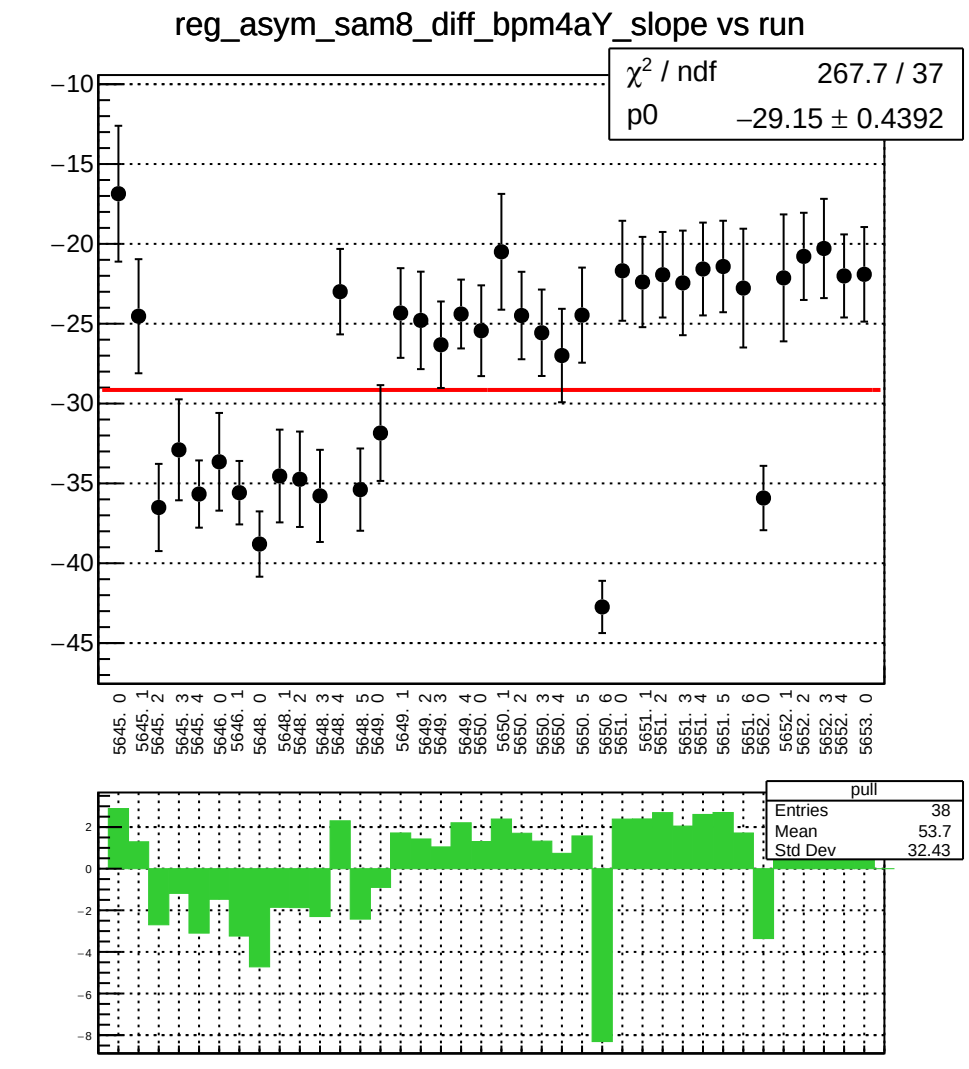

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 4.947 / 37
p0 −50.67 ± 1.775
−30
−40
−50
−60
−70
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 50.43
Std Dev 41.57
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 38
Mean 0.006589
Std Dev 0.3607
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

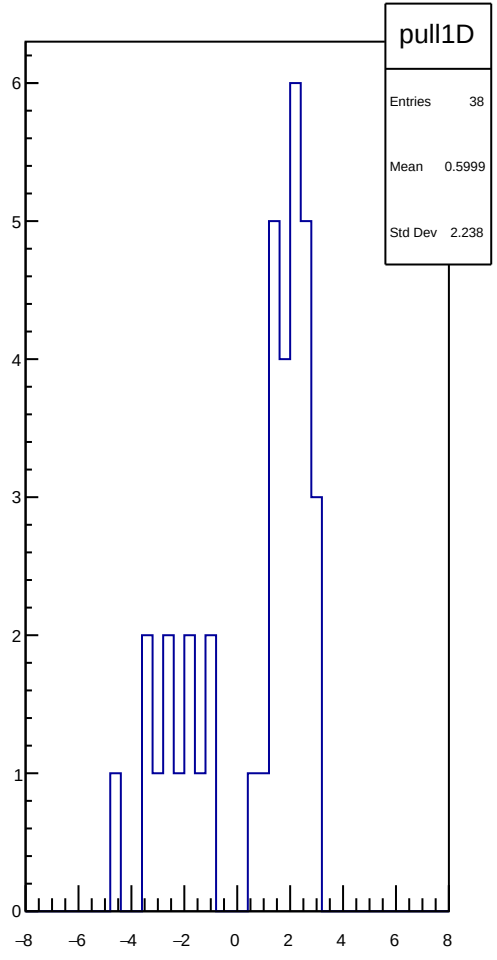

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 58.34 / 37
p0 −33.85 ± 1.333
pull
Entries 38
Mean 135.5
Std Dev 118.2
pull1D
Entries 38
Mean −0.08553
Std Dev 1.236

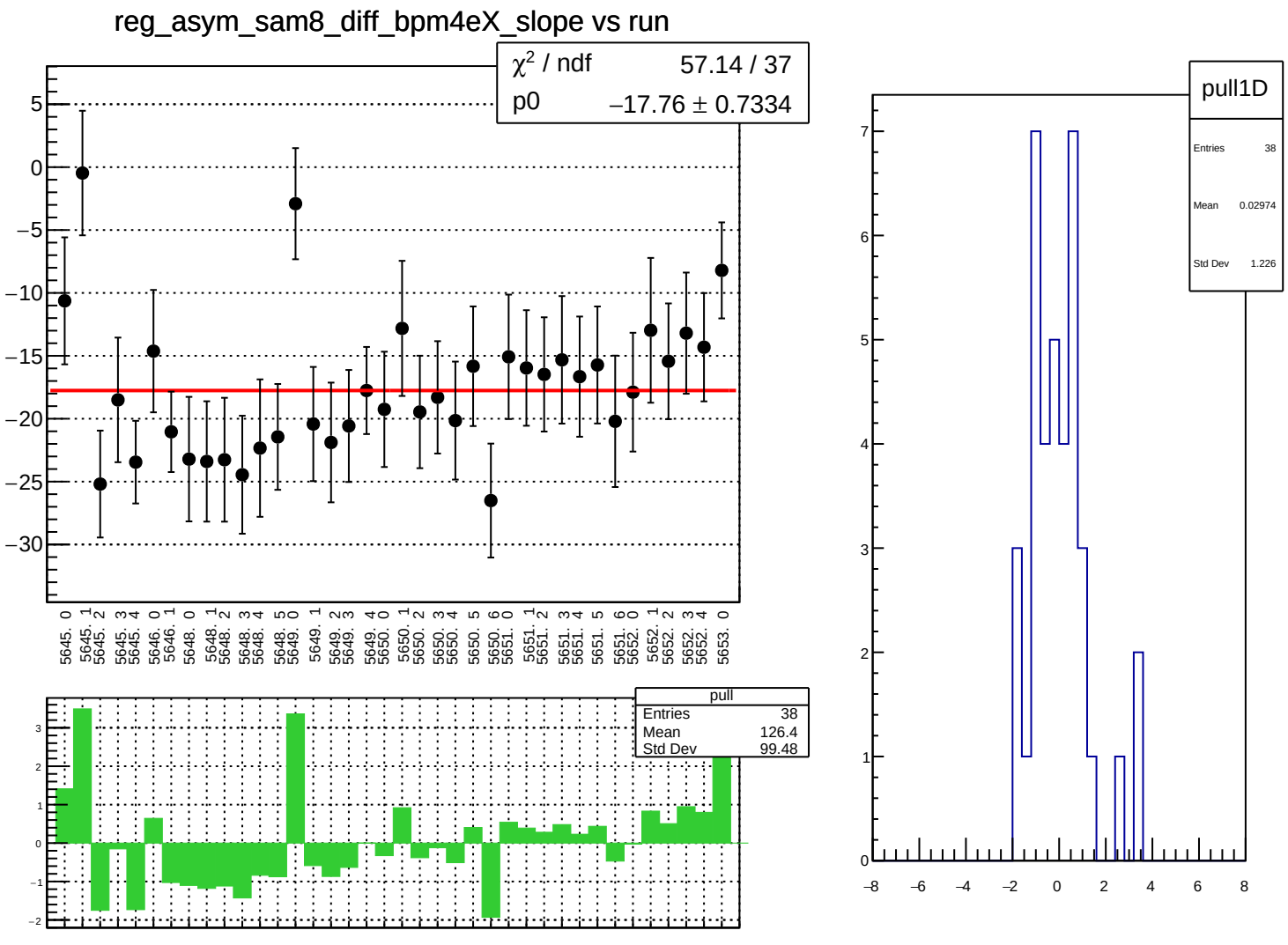

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 84.44 / 37
p0 −0.01195 ± 0.04046
pull
Entries 38
Mean 1419
Std Dev 1400
pull1D
Entries 38
Mean 0.01077
Std Dev 1.491

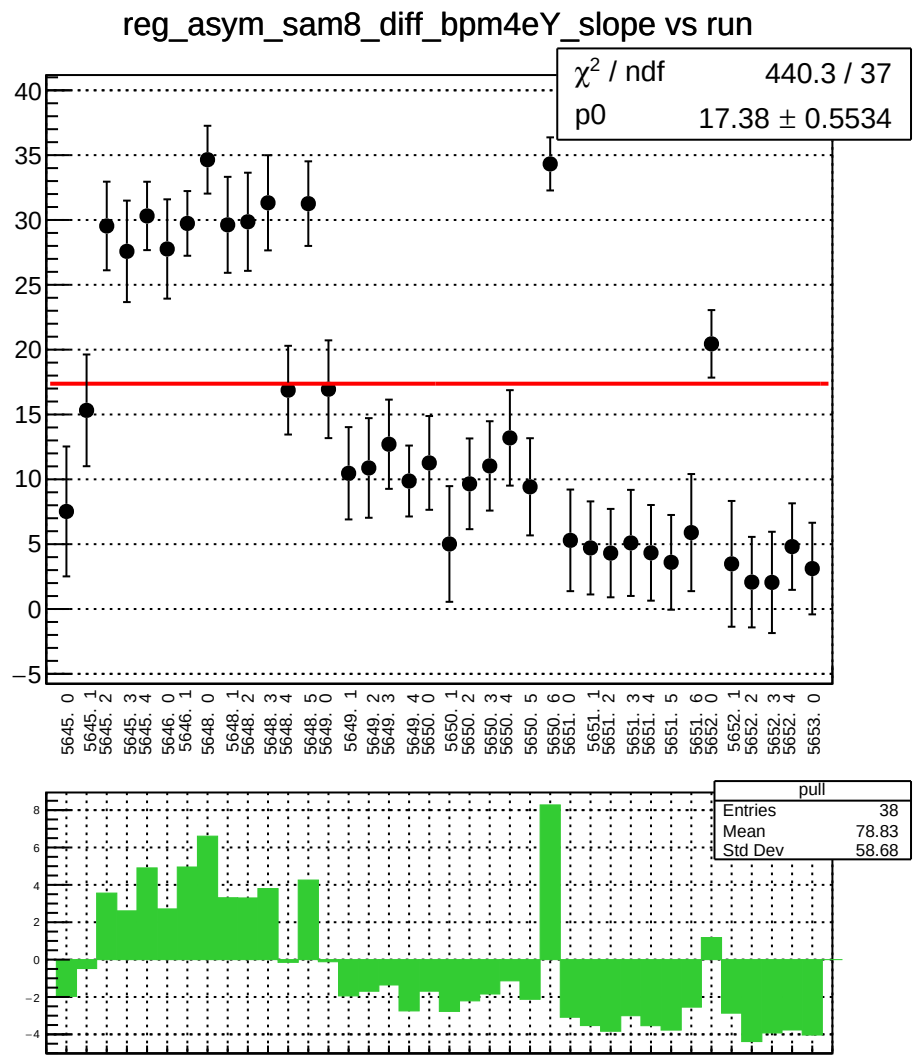

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 50.07 / 37
p0 2.38 ± 0.7355
pull
Entries 38
Mean 104.6
Std Dev 79.99

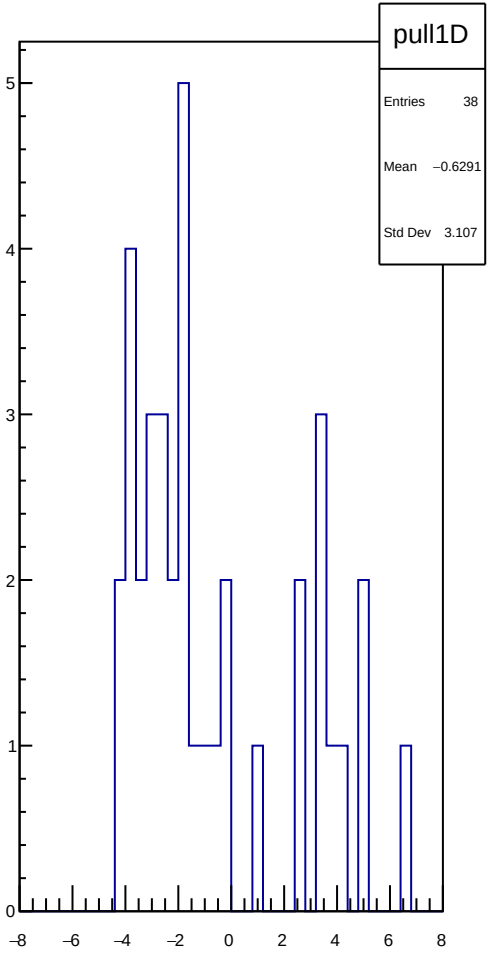

pull1D
Entries 38
Mean −0.04158
Std Dev 1.147

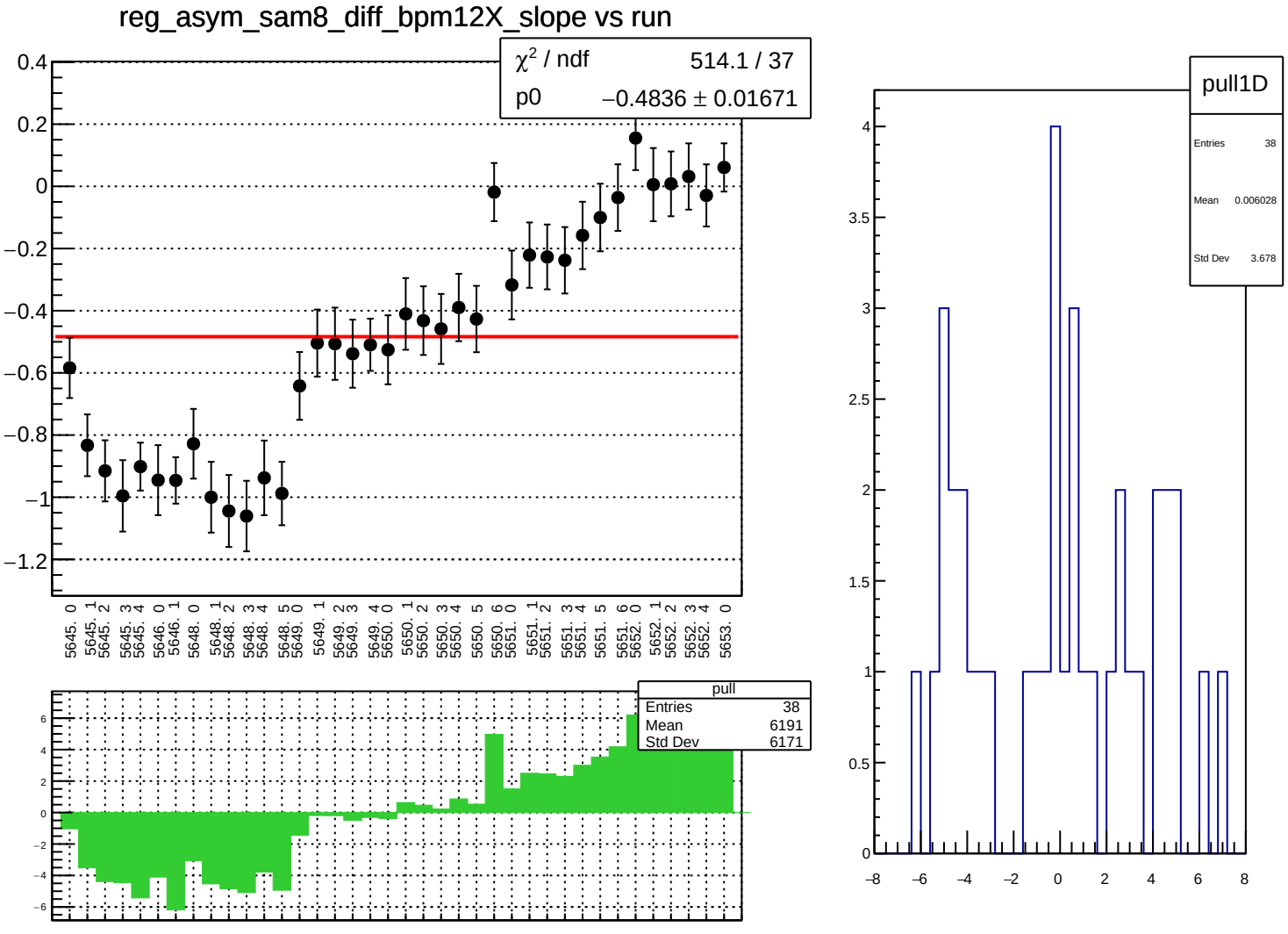

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 267.7 / 37
p0 −29.15 ± 0.4392
pull
Entries 38
Mean 53.7
Std Dev 32.43

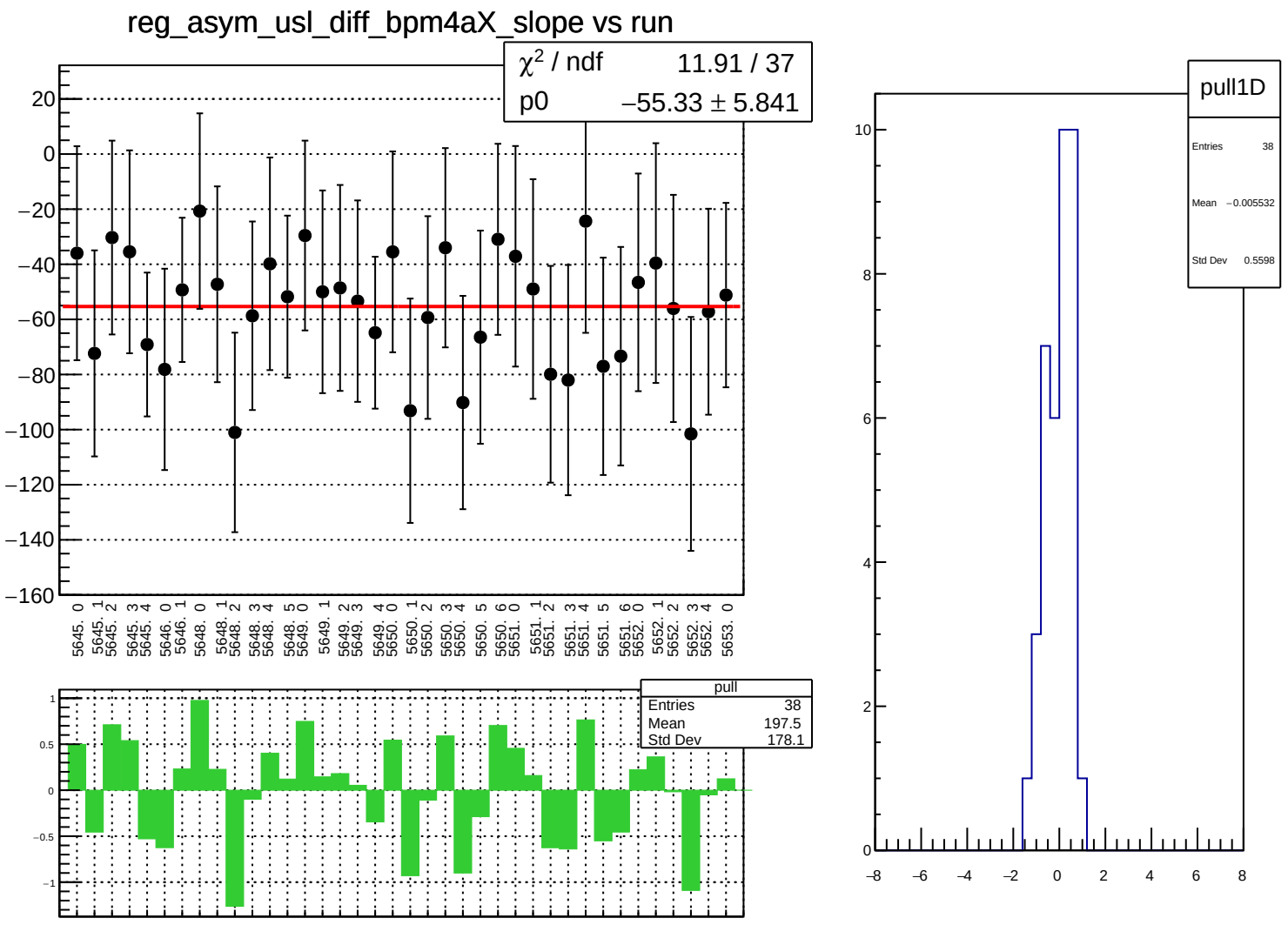

pull1D
Entries 38
Mean 0.5999
Std Dev 2.238

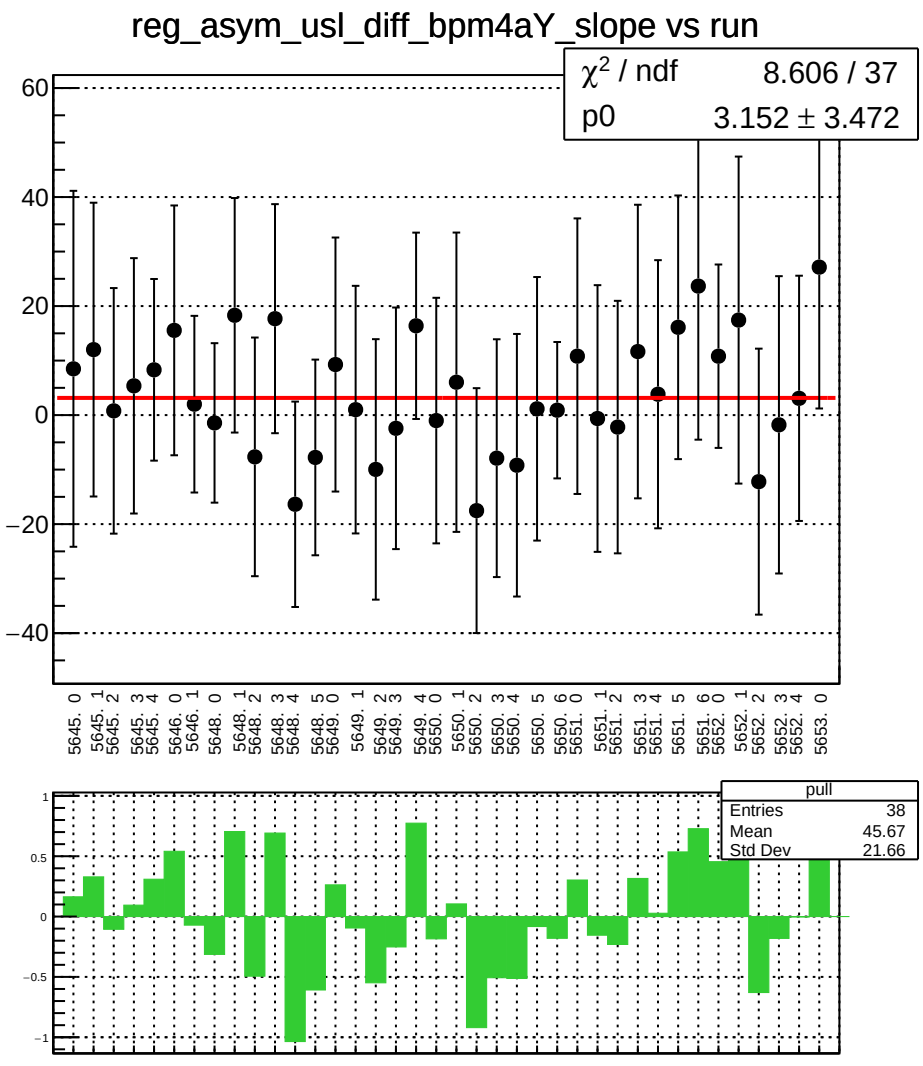

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 57.14 / 37
p0 −17.76 ± 0.7334
pull
Entries 38
Mean 126.4
Std Dev 99.48
pull1D
Entries 38
Mean 0.02974
Std Dev 1.226

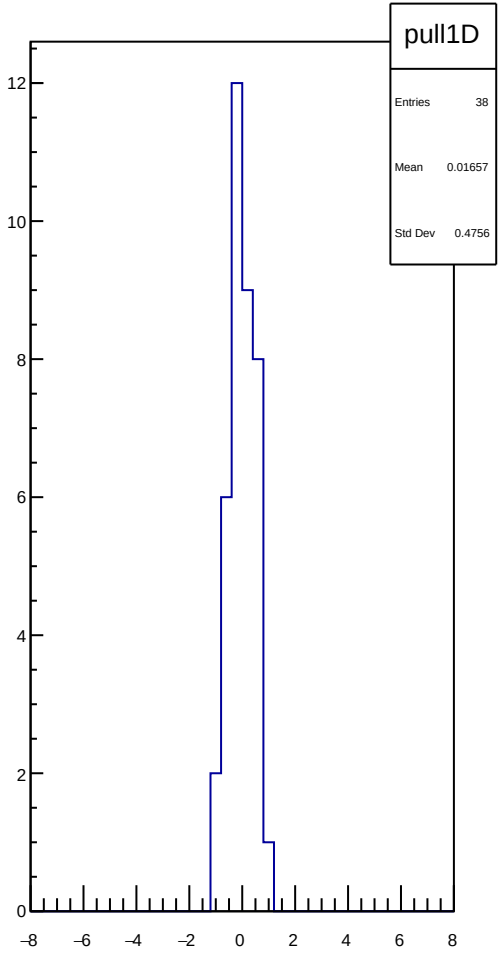

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 440.3 / 37
p0 17.38 ± 0.5534
pull
Entries 38
Mean 78.83
Std Dev 58.68

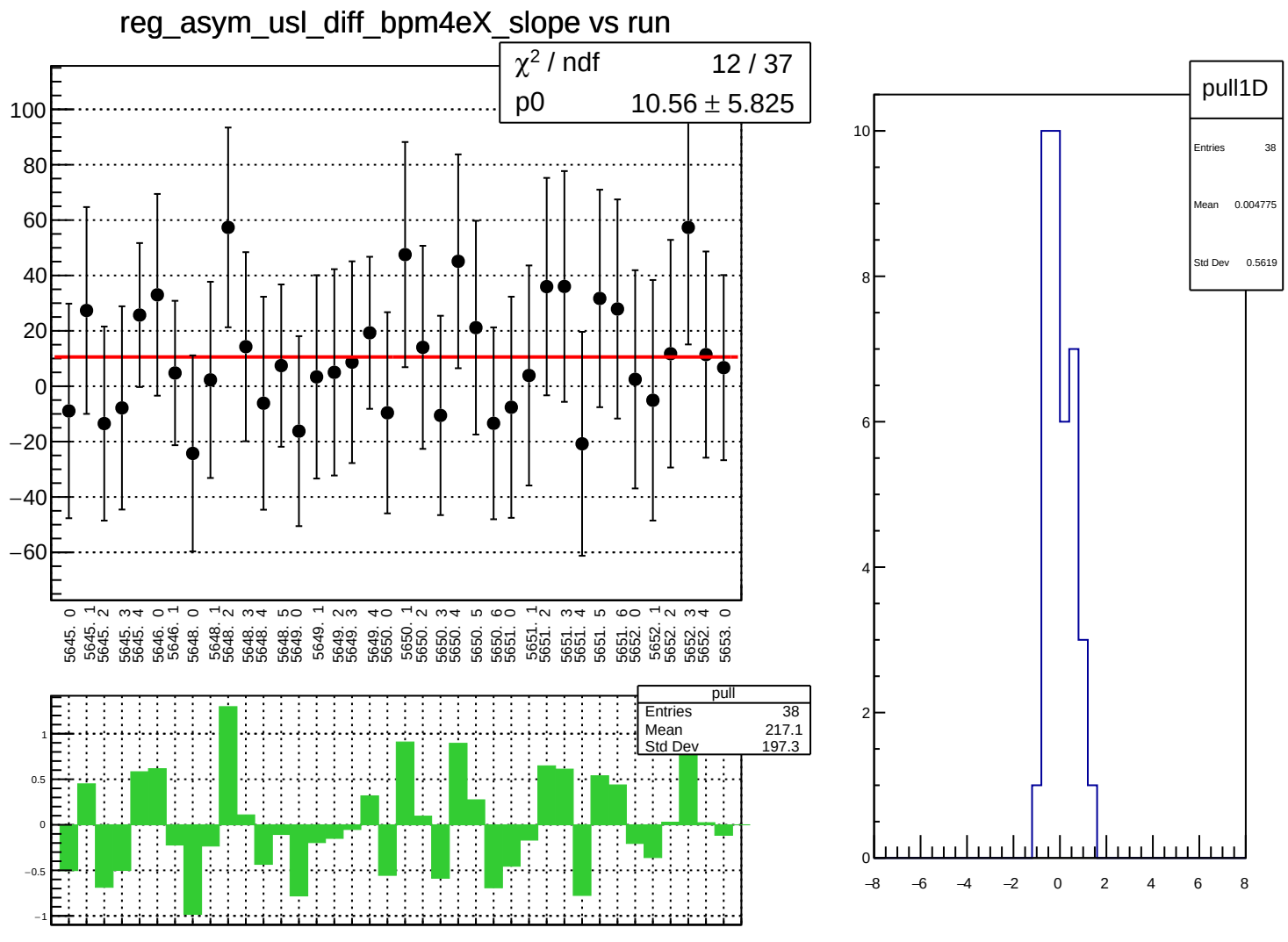

pull1D
Entries 38
Mean −0.6291
Std Dev 3.107

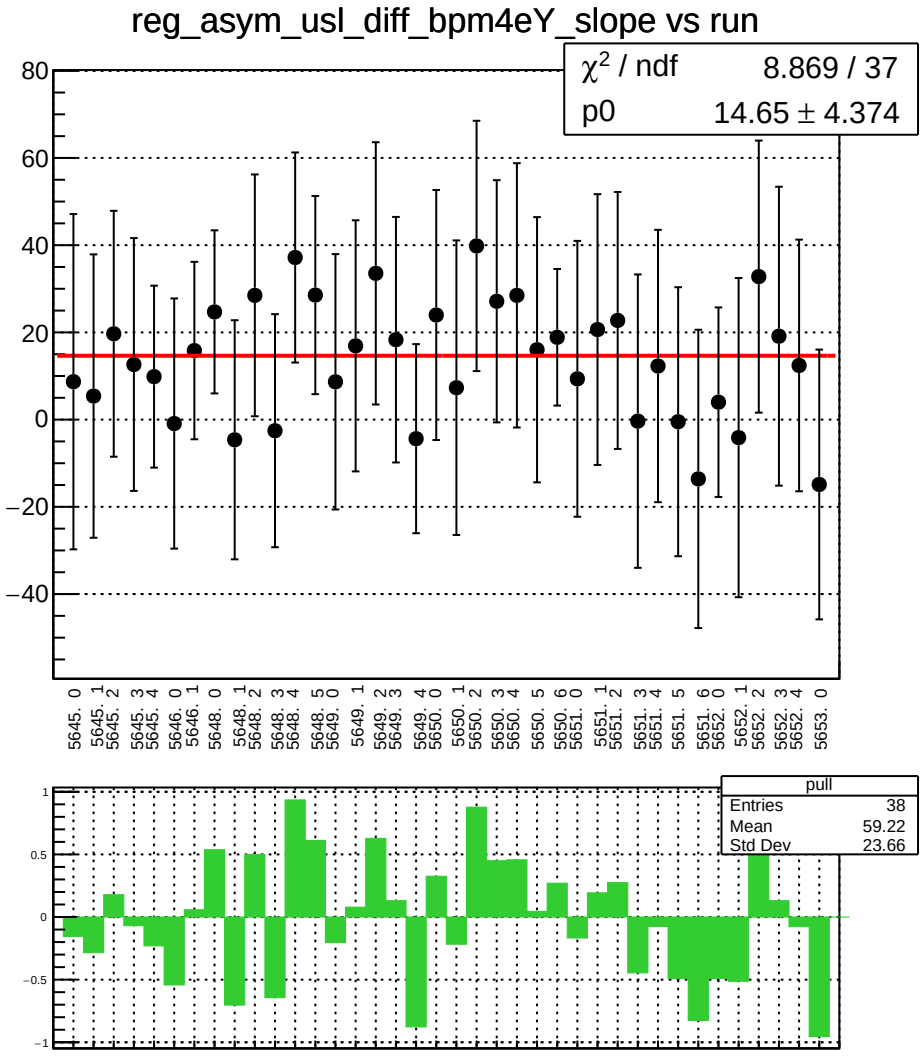

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 514.1 / 37
p0 −0.4836 ± 0.01671
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 6191
Std Dev 6171
6
4
2
0
−2
−4
−6
pull1D
Entries 38
Mean 0.006028
Std Dev 3.678
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

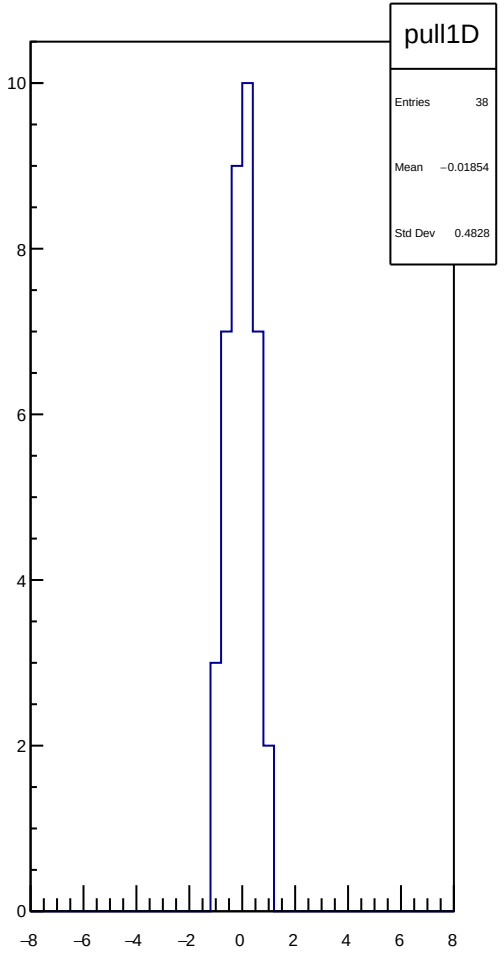

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 11.91 / 37
p0 −55.33 ± 5.841
pull
Entries 38
Mean 197.5
Std Dev 178.1
pull1D
Entries 38
Mean −0.005532
Std Dev 0.5598

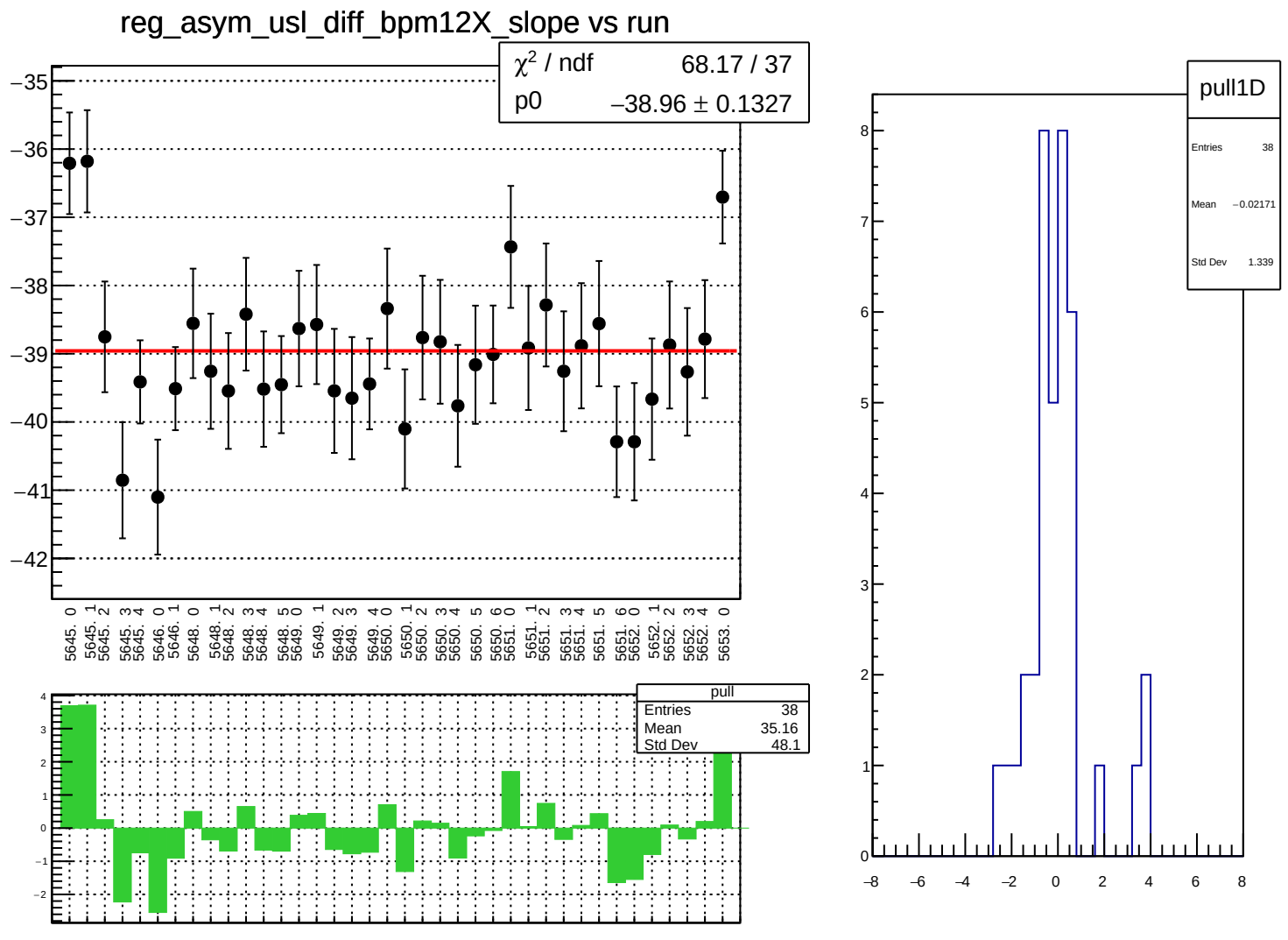

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 8.606 / 37
p0 3.152 ± 3.472
pull
Entries 38
Mean 45.67
Std Dev 21.66

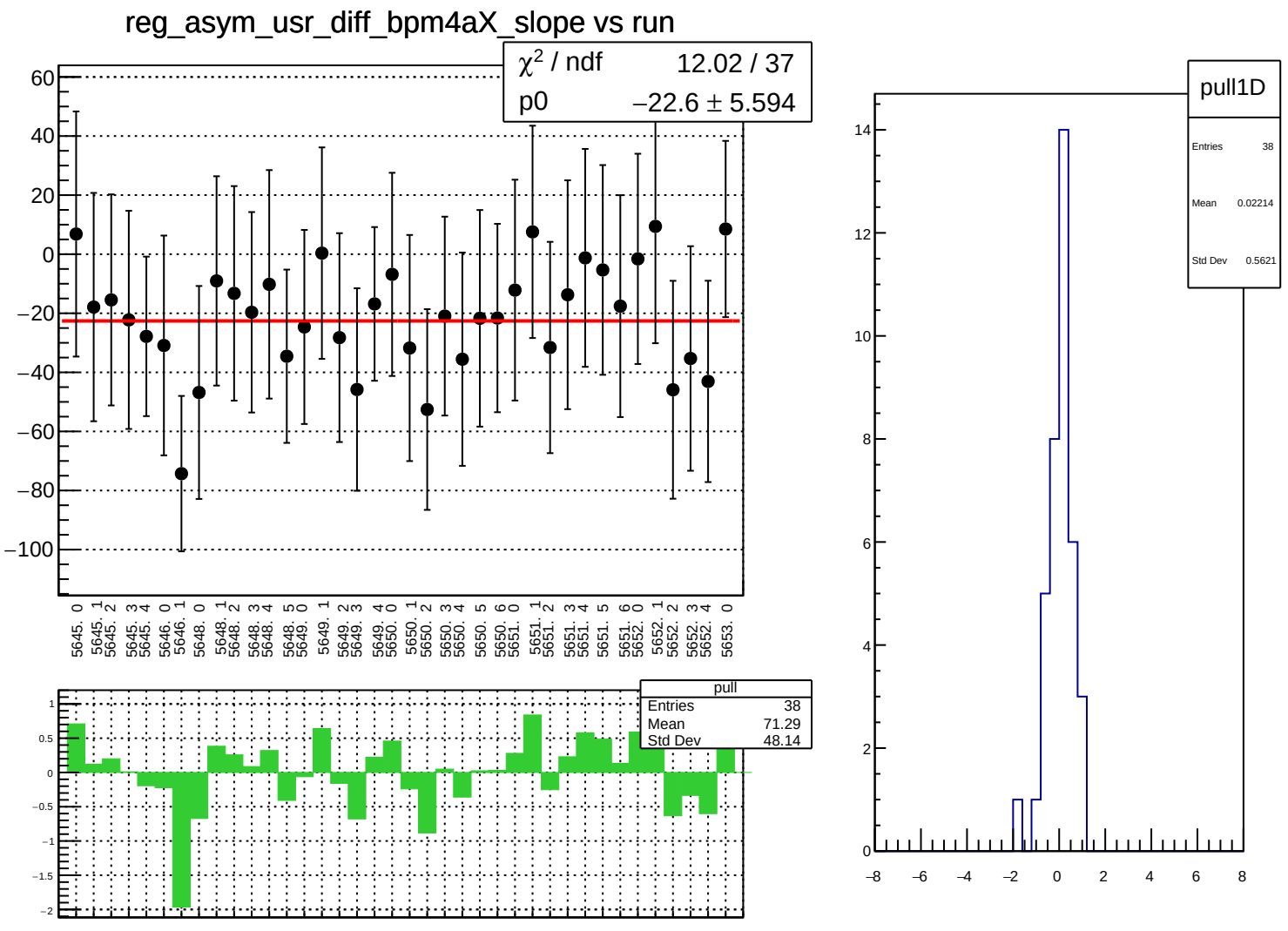

pull1D
Entries 38
Mean 0.01657
Std Dev 0.4756

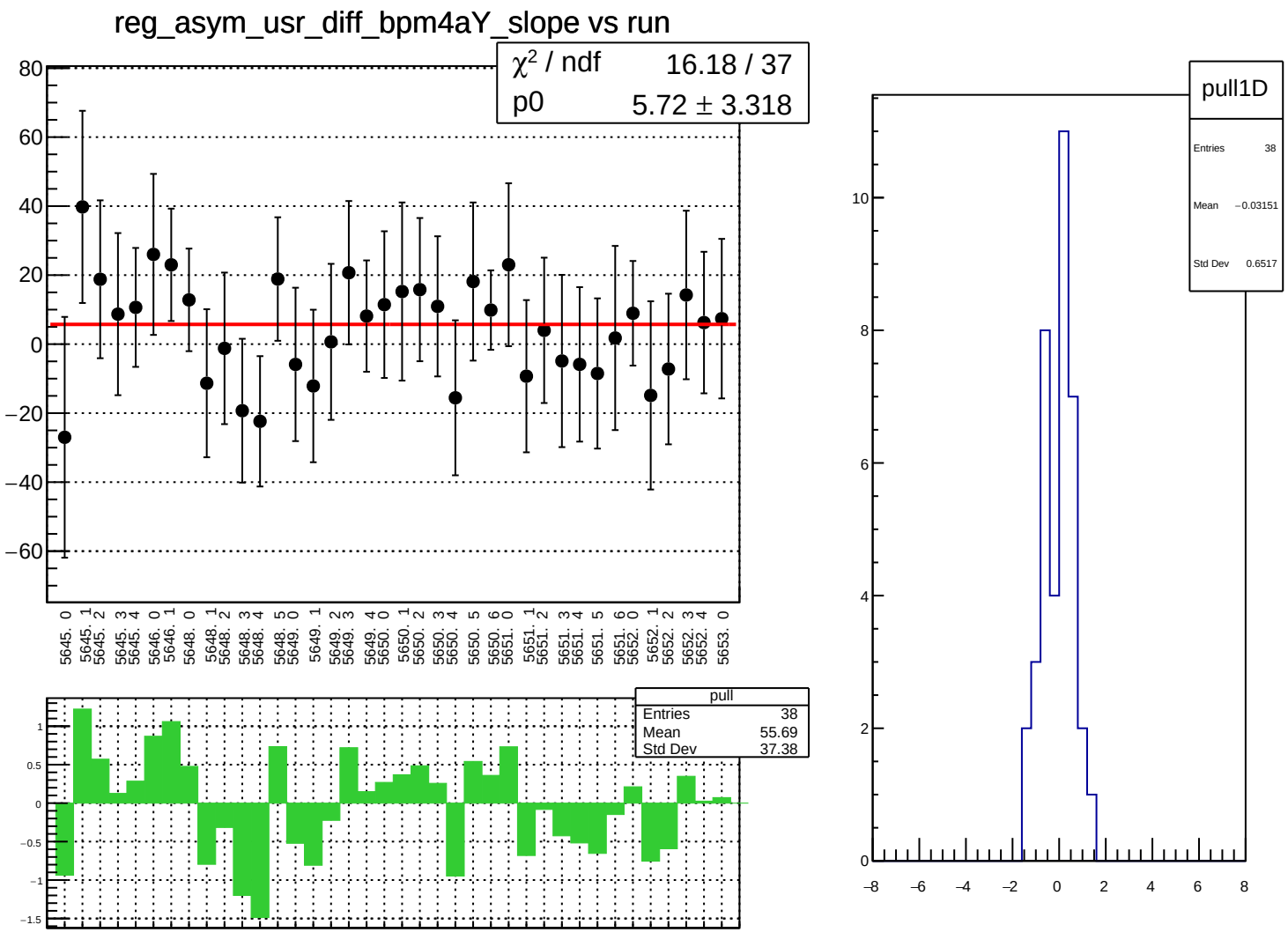

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 12 / 37
p0 10.56 ± 5.825
pull
Entries 38
Mean 217.1
Std Dev 197.3
pull1D
Entries 38
Mean 0.004775
Std Dev 0.5619

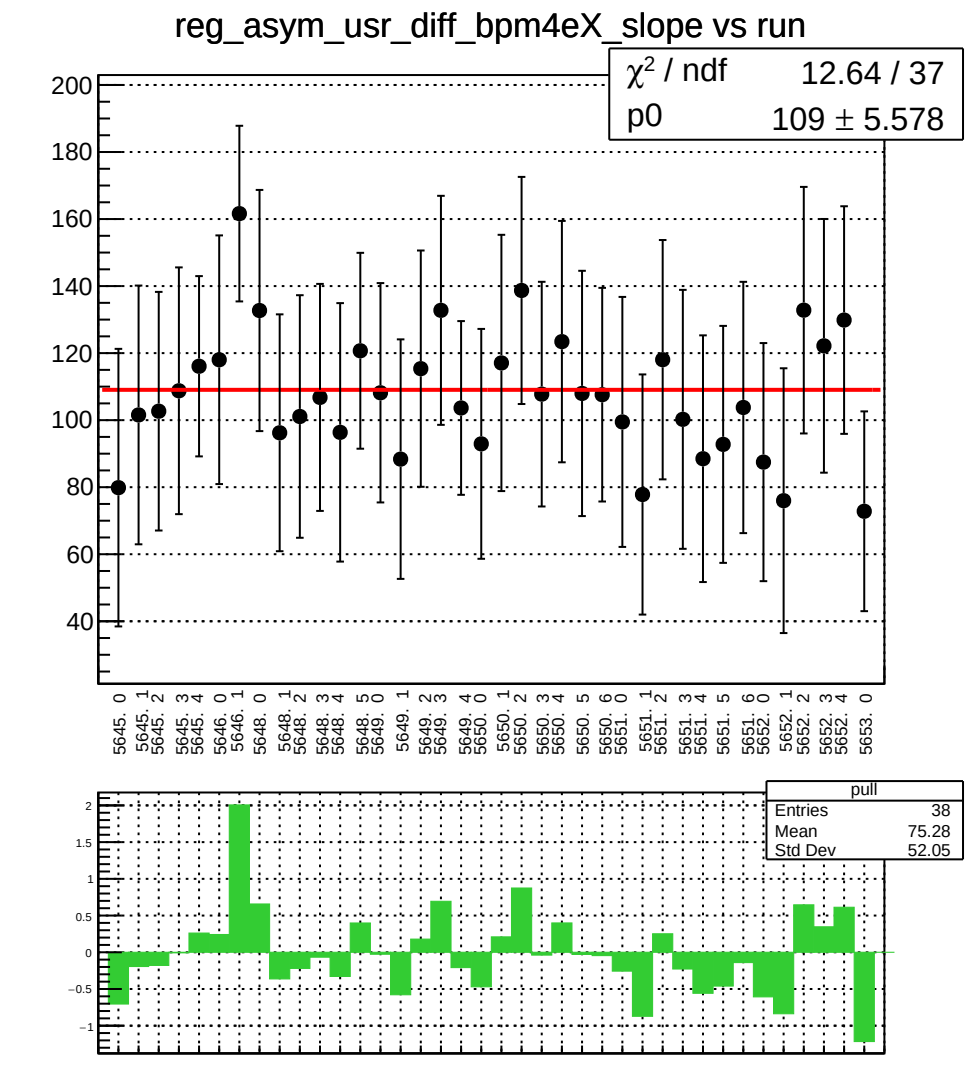

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 8.869 / 37
p0 14.65 ± 4.374
pull
Entries 38
Mean 59.22
Std Dev 23.66

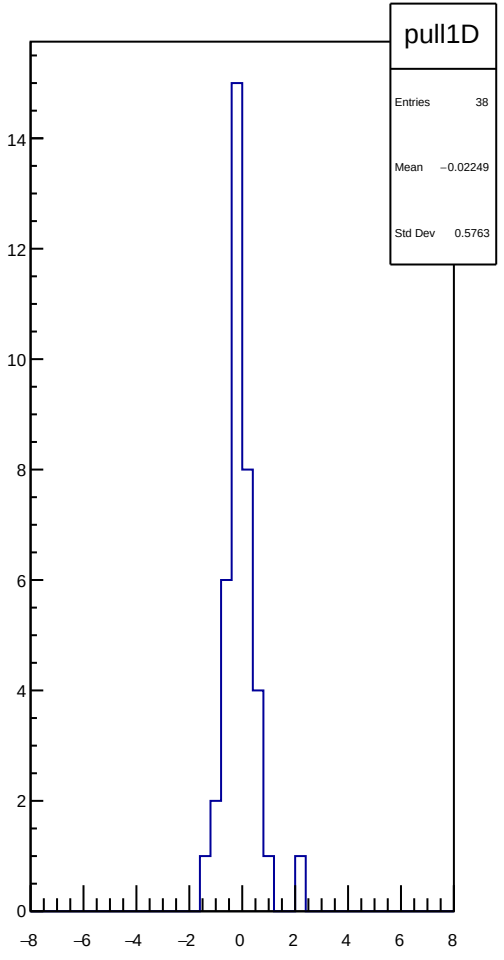

pull1D
Entries 38
Mean −0.01854
Std Dev 0.4828

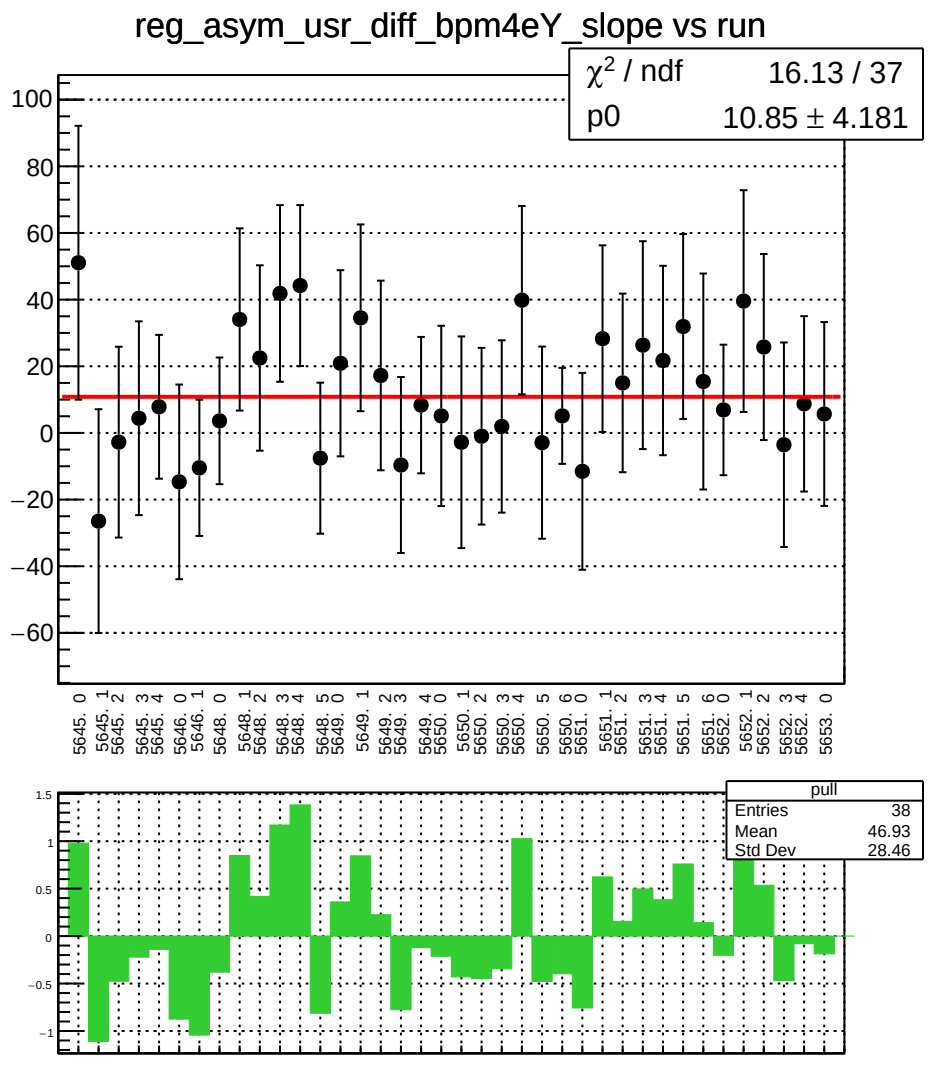

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 68.17 / 37
p0 −38.96 ± 0.1327
pull
Entries 38
Mean 35.16
Std Dev 48.1
pull1D
Entries 38
Mean −0.02171
Std Dev 1.339

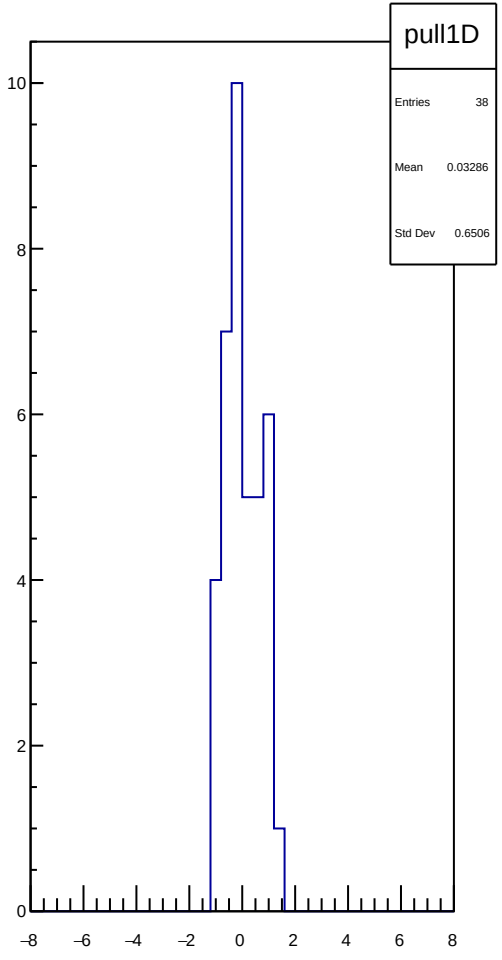

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 12.02 / 37
p0 −22.6 ± 5.594
pull
Entries 38
Mean 71.29
Std Dev 48.14
pull1D
Entries 38
Mean 0.02214
Std Dev 0.5621

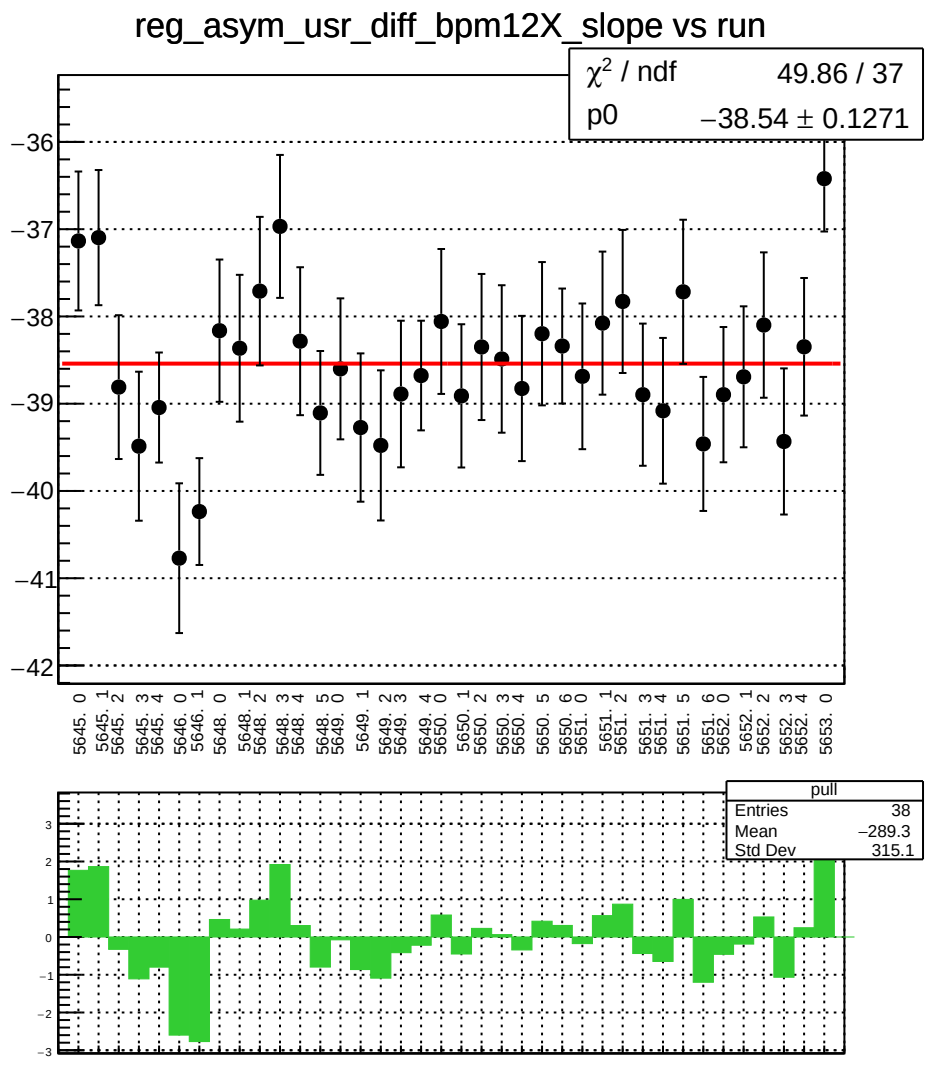

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 16.18 / 37
p0 5.72 ± 3.318
pull
Entries 38
Mean 55.69
Std Dev 37.38
pull1D
Entries 38
Mean −0.03151
Std Dev 0.6517

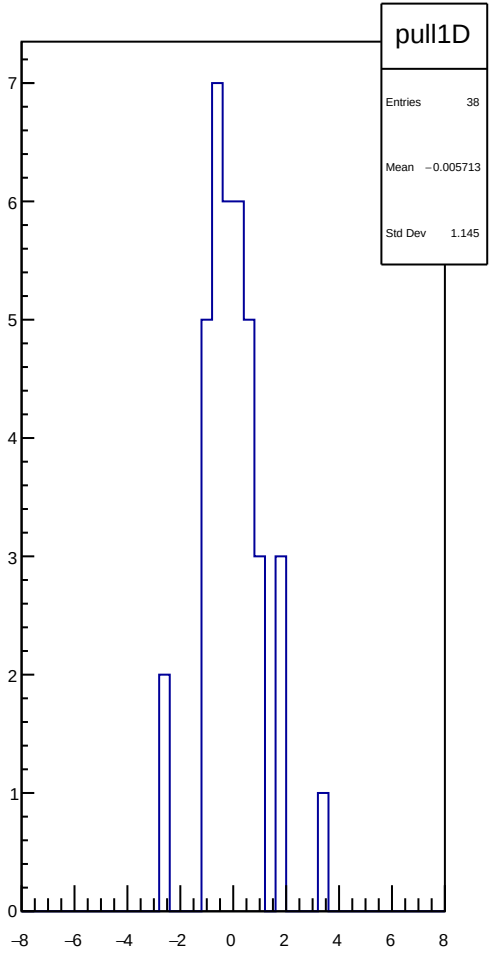

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 12.64 / 37
p0 109 ± 5.578
pull
Entries 38
Mean 75.28
Std Dev 52.05

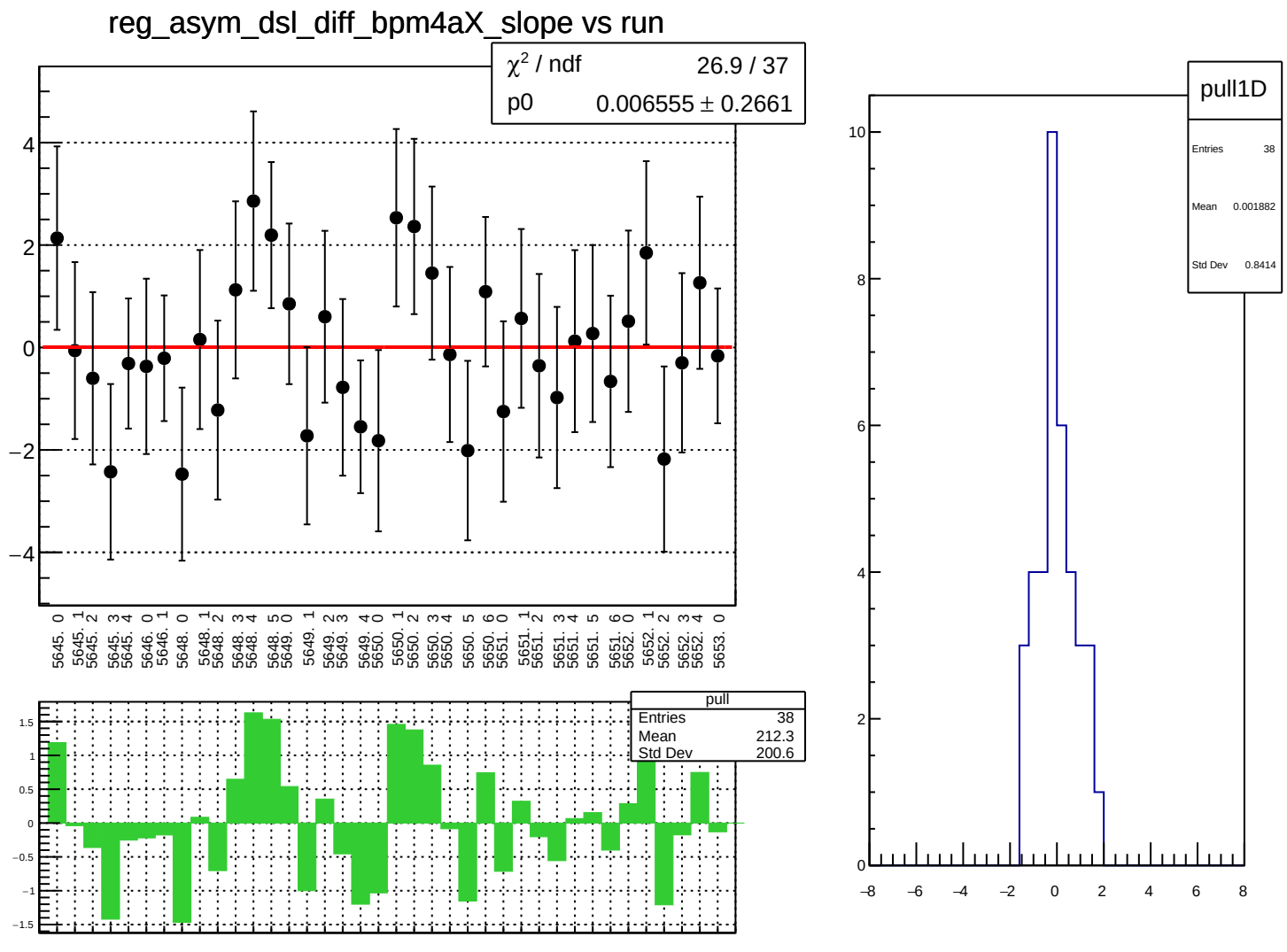

pull1D
Entries 38
Mean −0.02249
Std Dev 0.5763

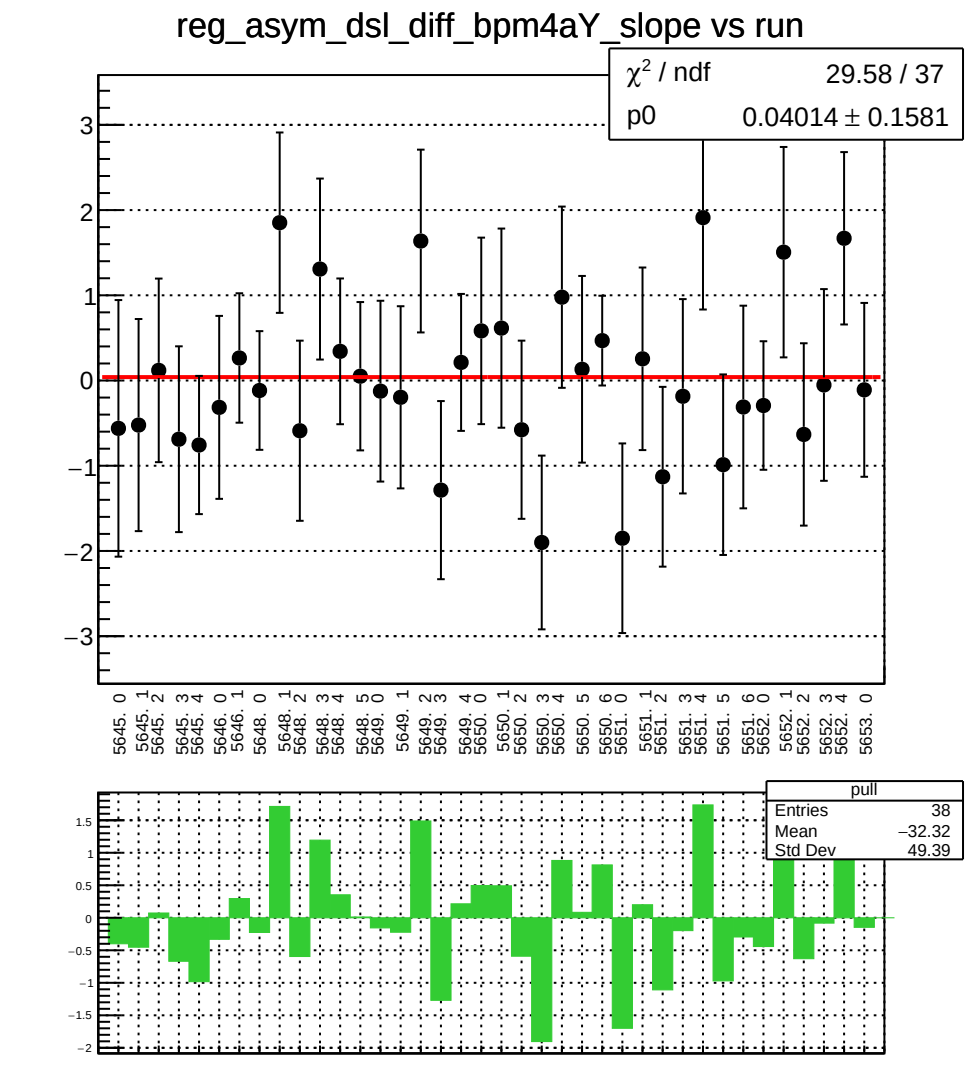

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 16.13 / 37
p0 10.85 ± 4.181
pull
Entries 38
Mean 46.93
Std Dev 28.46

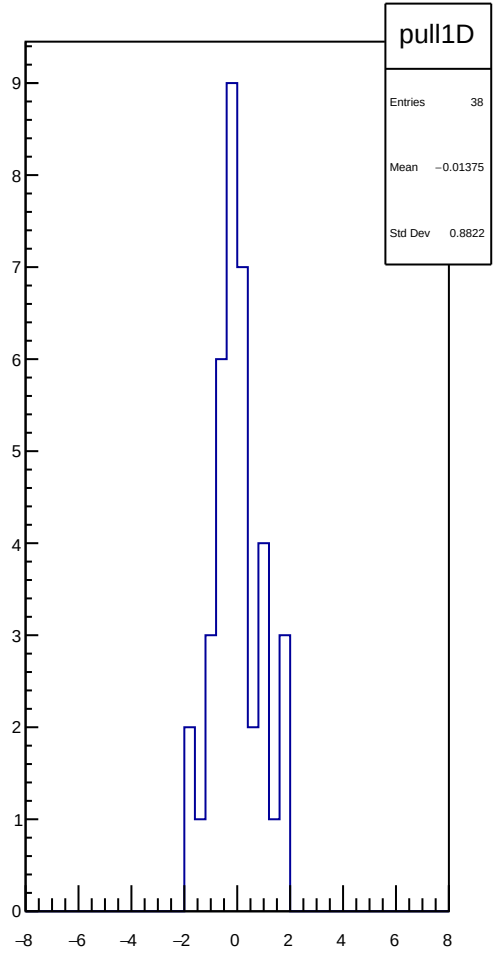

pull1D
Entries 38
Mean 0.03286
Std Dev 0.6506

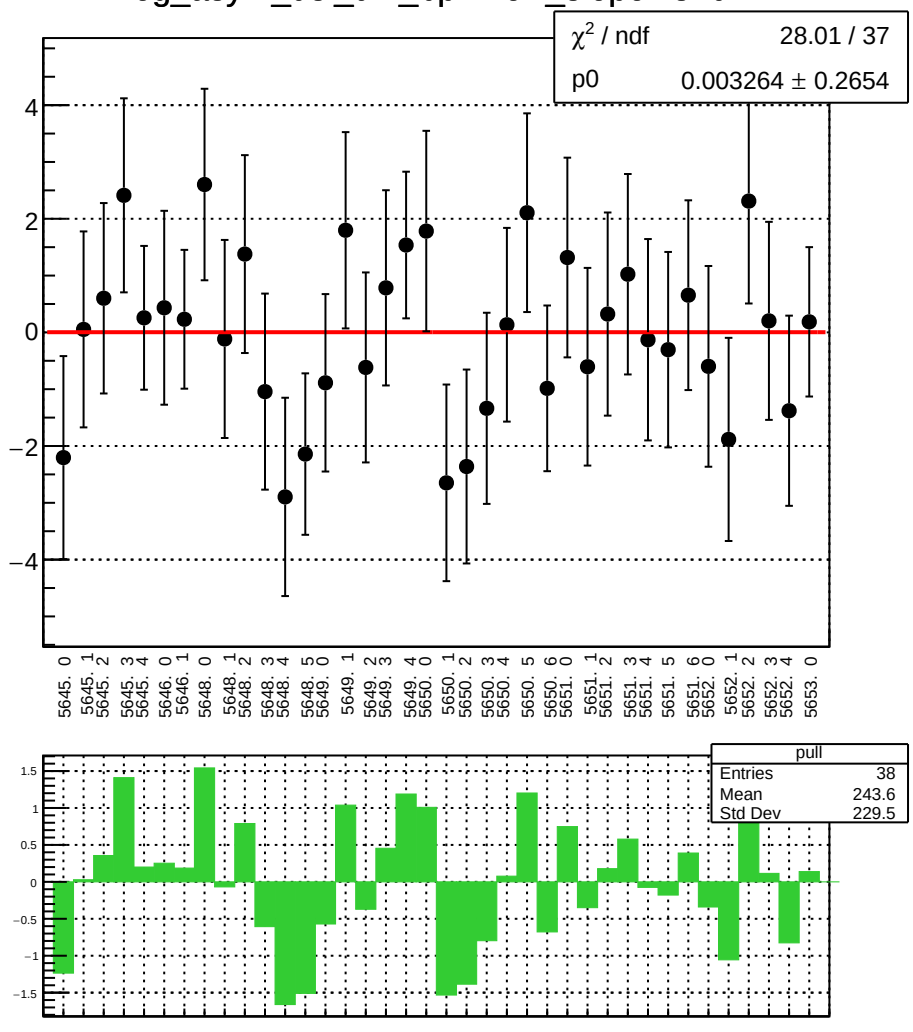

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 49.86 / 37
p0 −38.54 ± 0.1271
pull
Entries 38
Mean −289.3
Std Dev 315.1

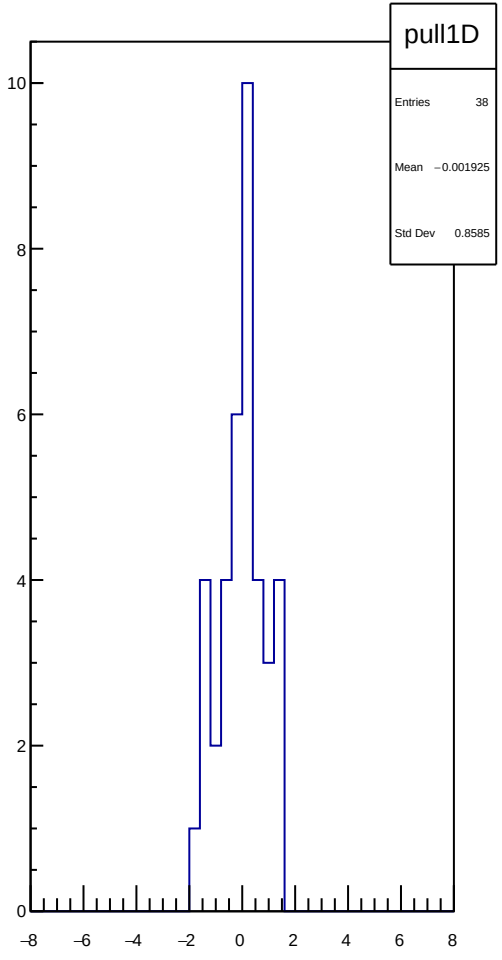

pull1D
Entries 38
Mean −0.005713
Std Dev 1.145

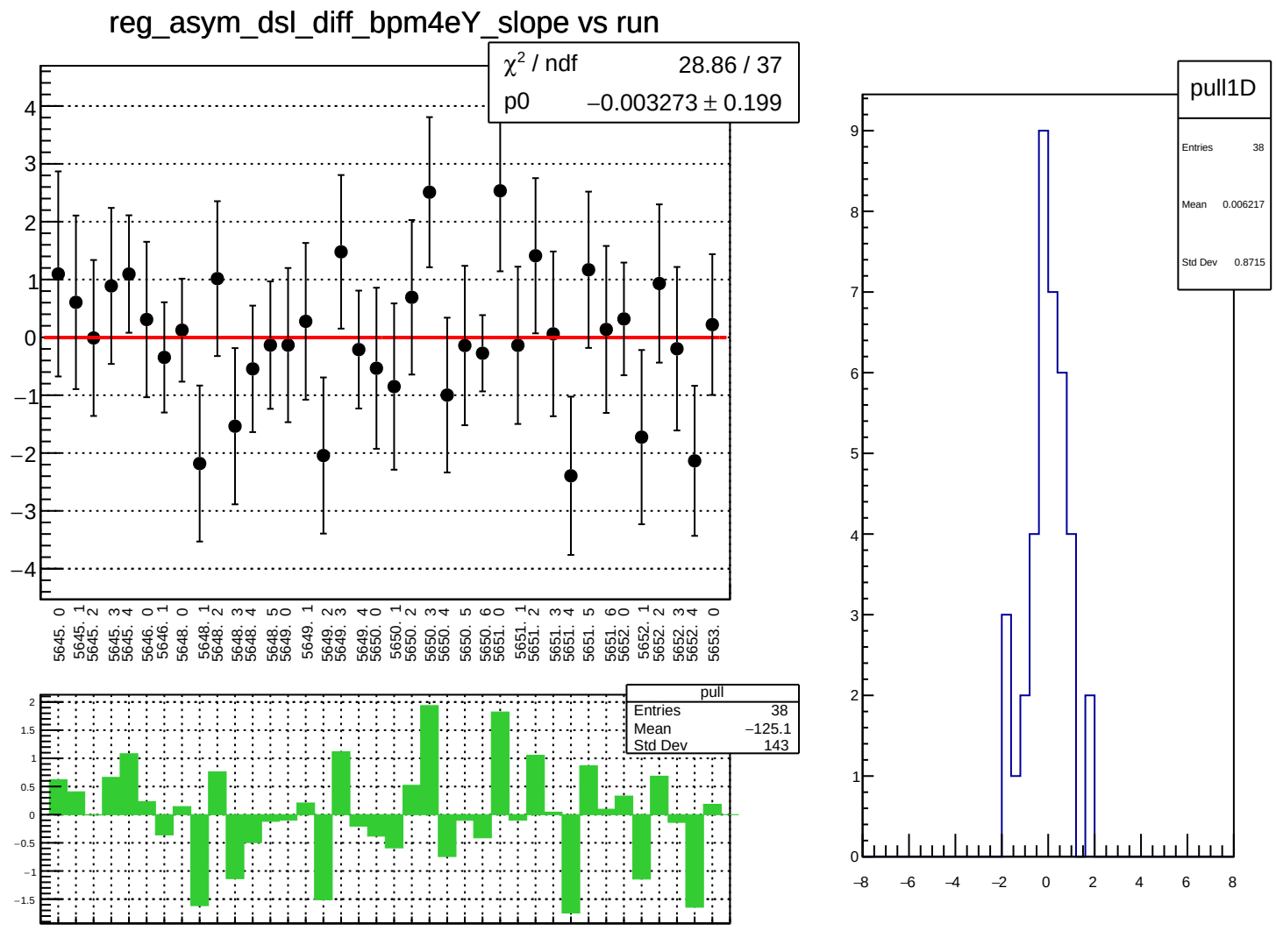

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 26.9 / 37
p0 0.006555 ± 0.2661
pull
Entries 38
Mean 212.3
Std Dev 200.6
pull1D
Entries 38
Mean 0.001882
Std Dev 0.8414

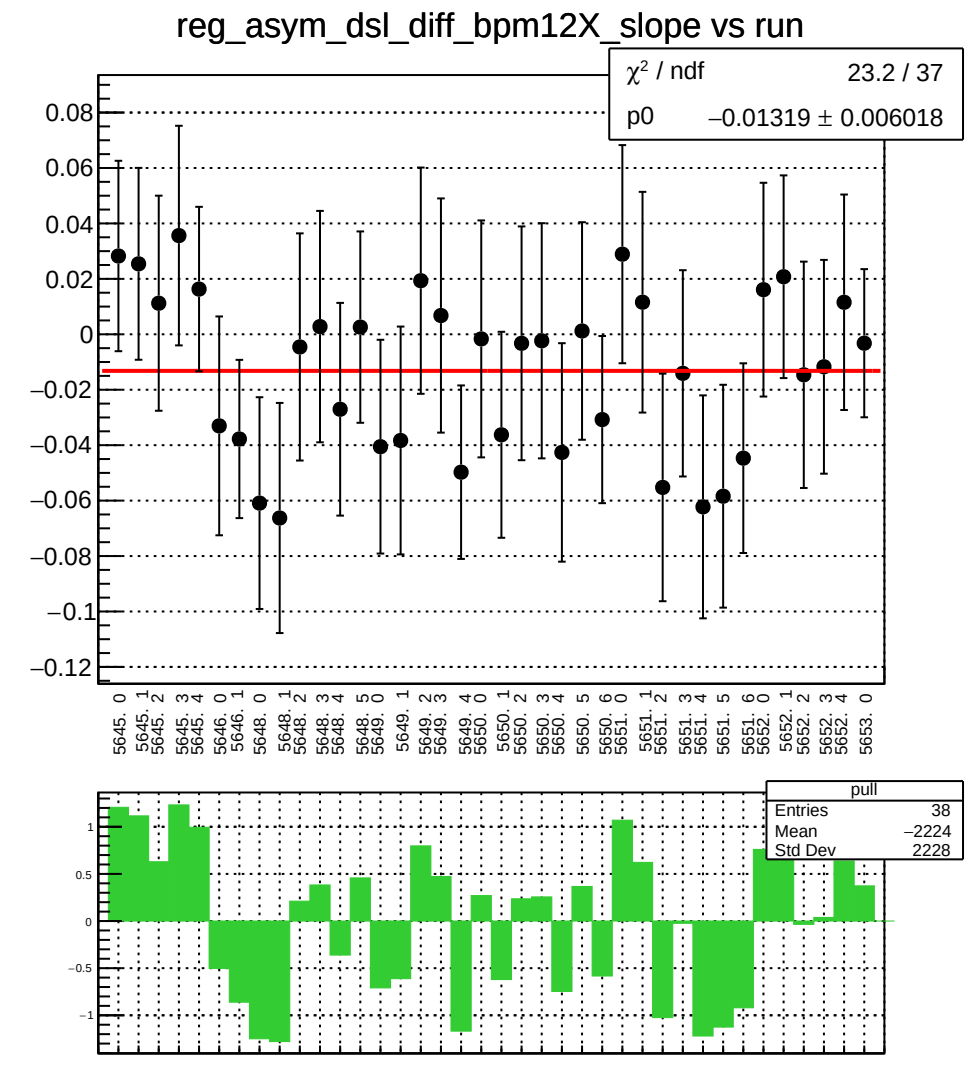

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 29.58 / 37
p0 0.04014 ± 0.1581
pull
Entries 38
Mean −32.32
Std Dev 49.39

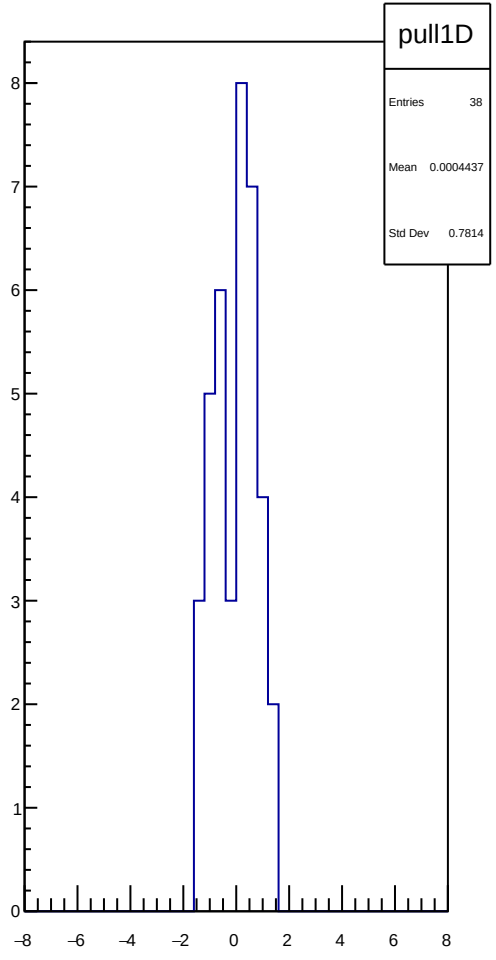

pull1D
Entries 38
Mean −0.01375
Std Dev 0.8822

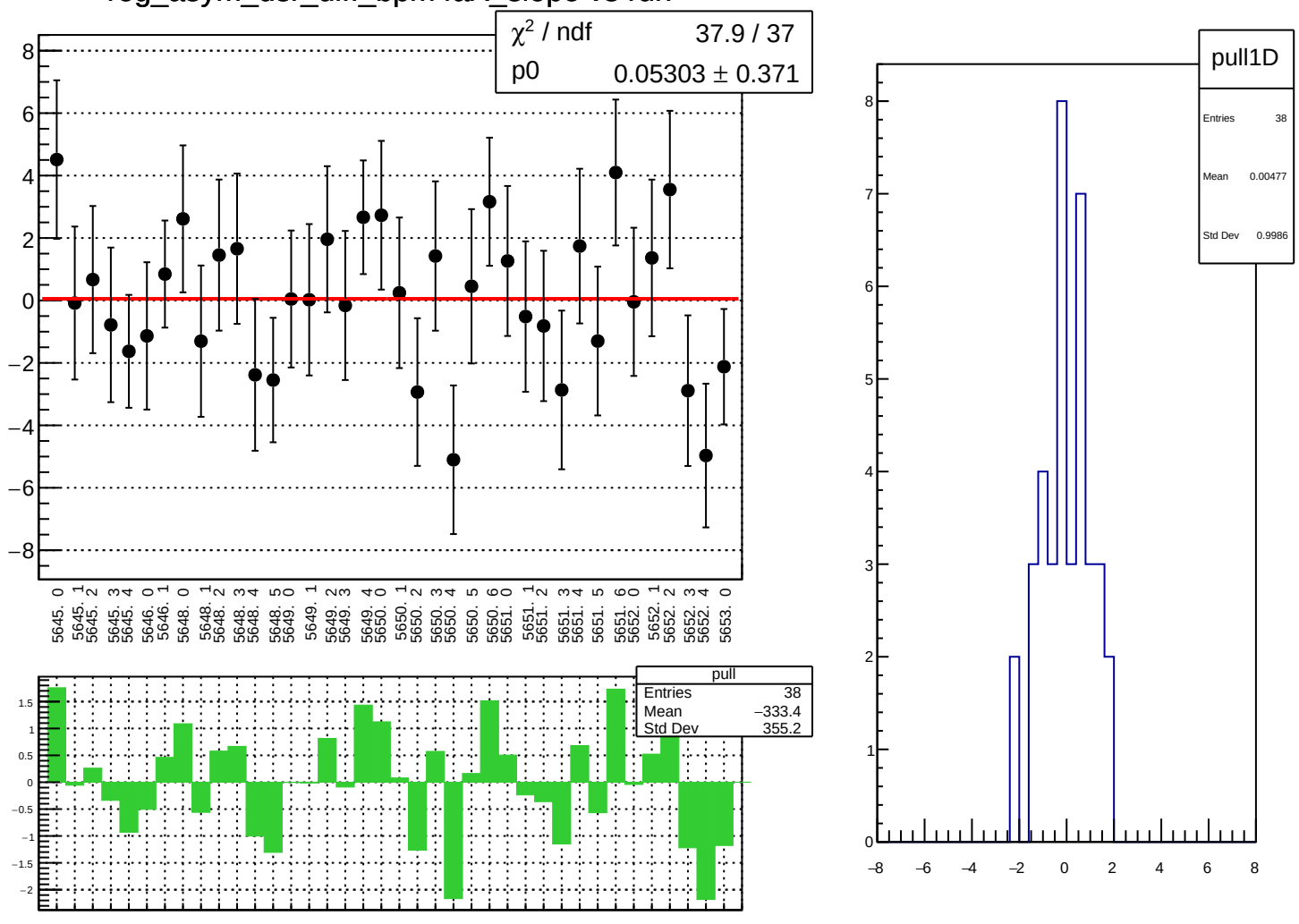

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 28.01 / 37
p0 0.003264 ± 0.2654
pull
Entries 38
Mean 243.6
Std Dev 229.5

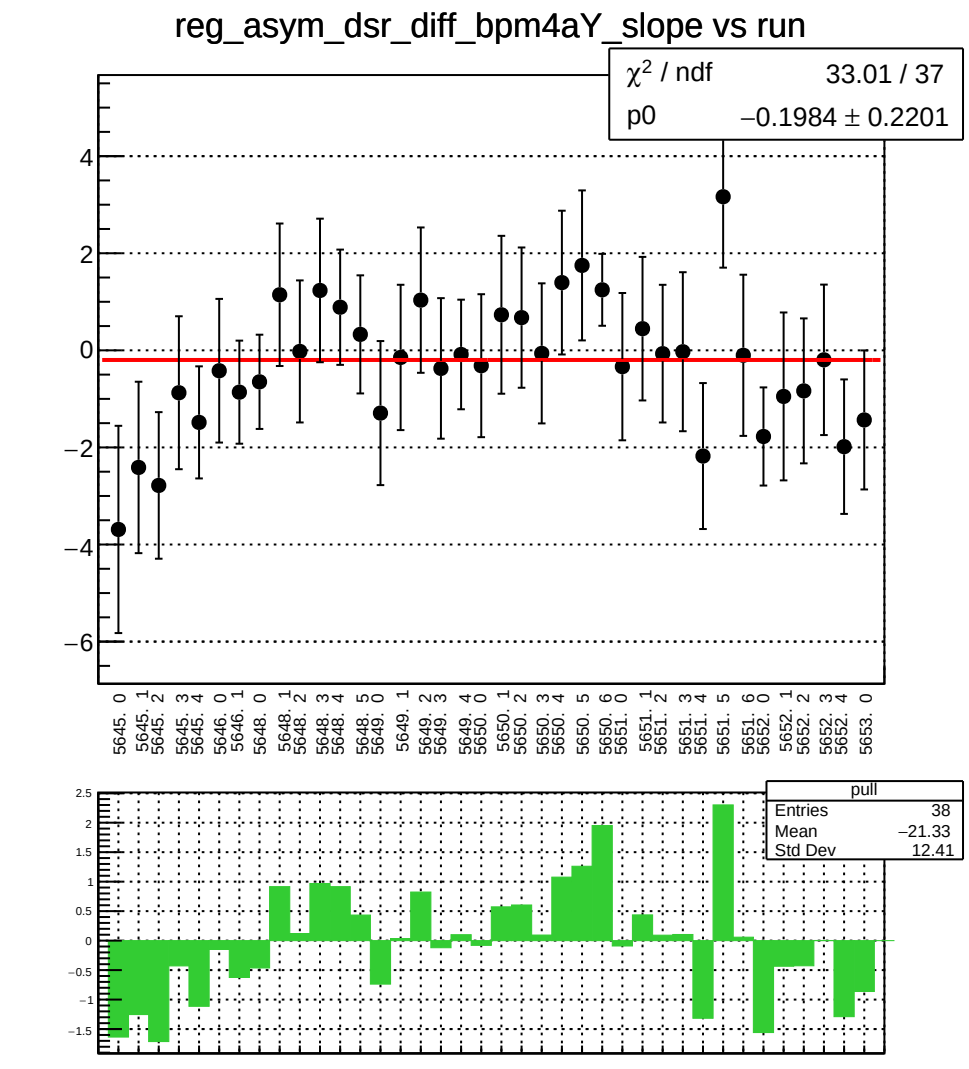

pull1D
Entries 38
Mean −0.001925
Std Dev 0.8585

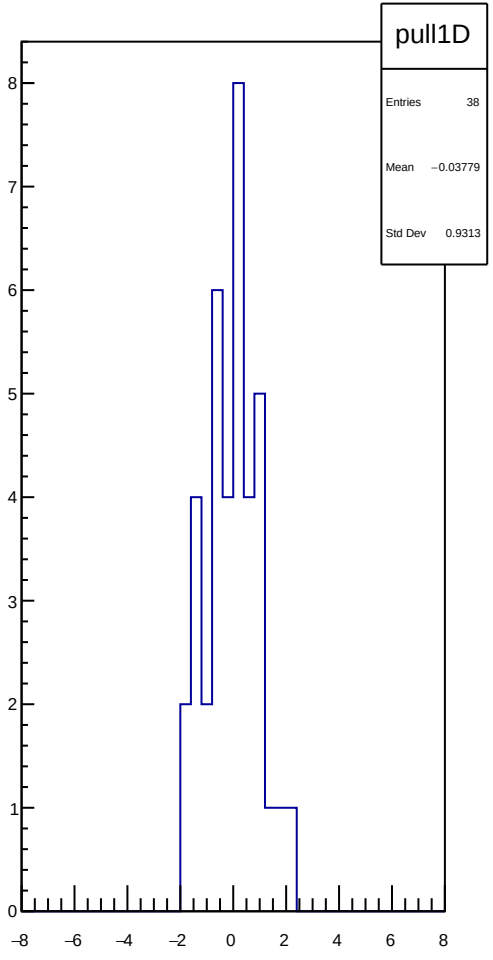

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 28.86 / 37
p0 −0.003273 ± 0.199
pull
Entries 38
Mean −125.1
Std Dev 143
pull1D
Entries 38
Mean 0.006217
Std Dev 0.8715

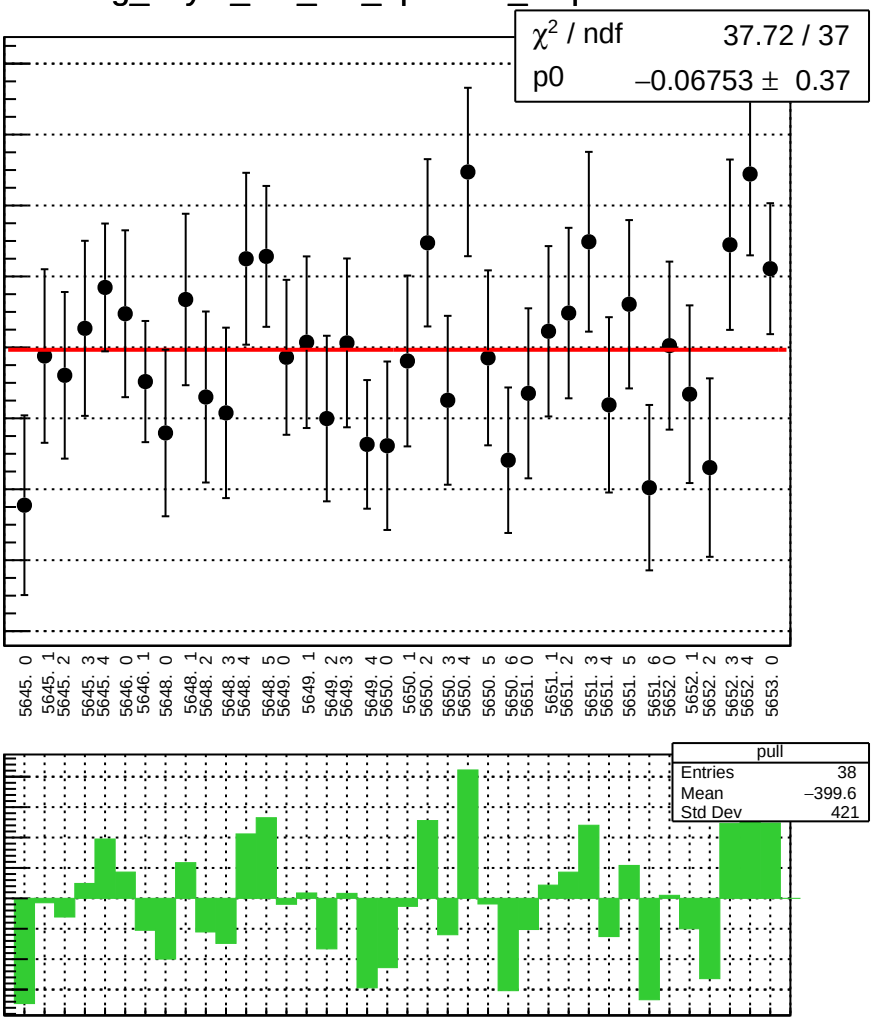

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 23.2 / 37
p0 −0.01319 ± 0.006018
pull
Entries 38
Mean −2224
Std Dev 2228

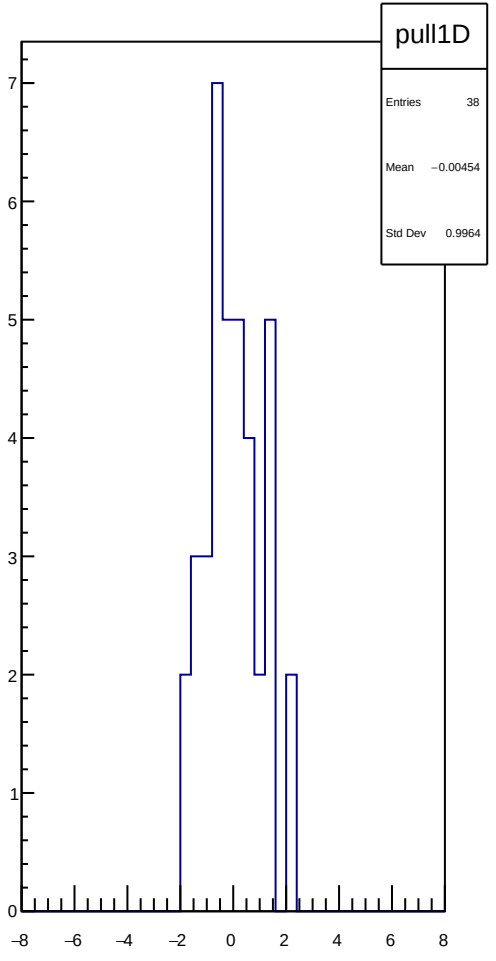

pull1D
Entries 38
Mean 0.0004437
Std Dev 0.7814

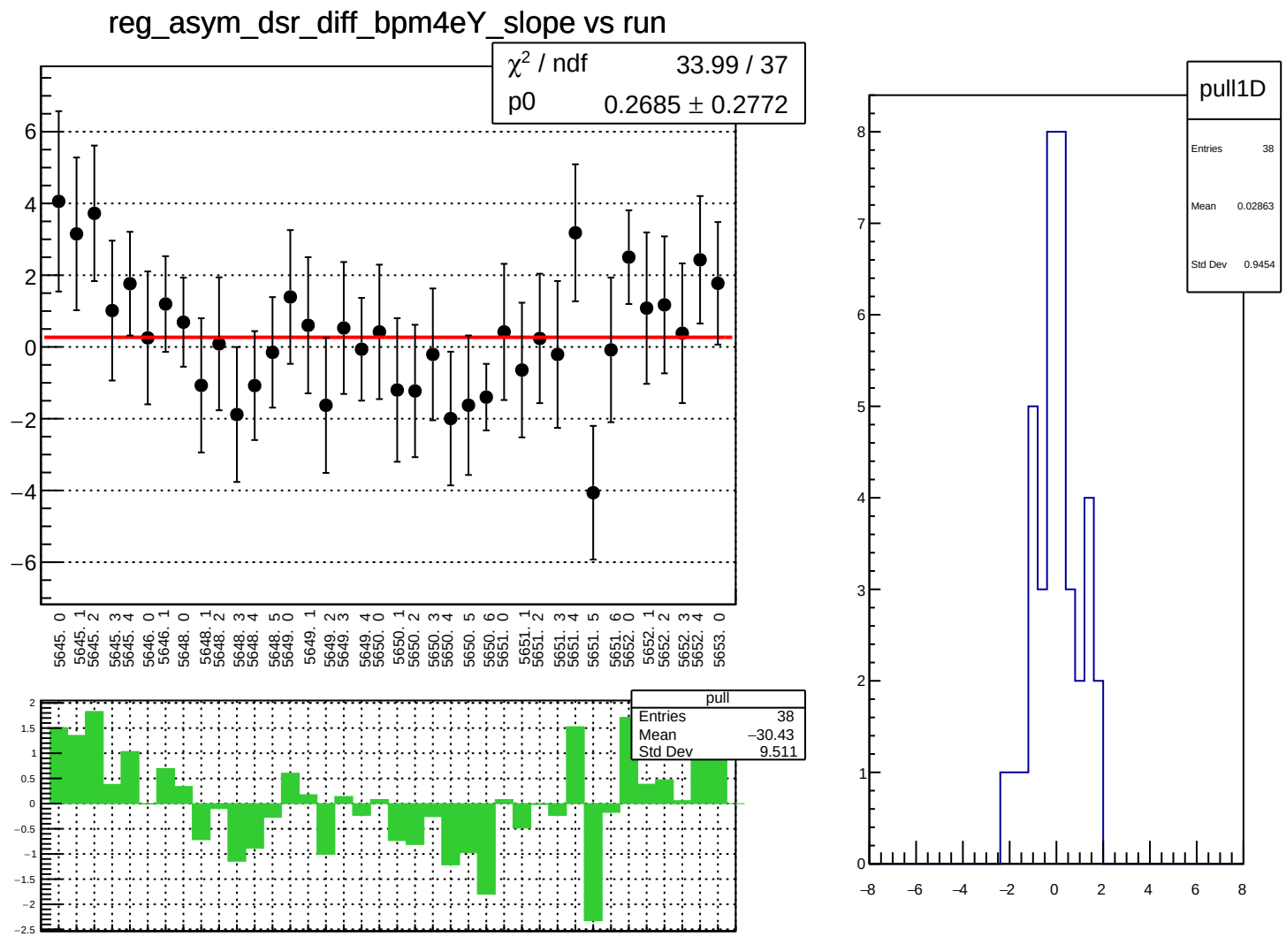

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 37.9 / 37
p0 0.05303 ± 0.371
pull
Entries 38
Mean −333.4
Std Dev 355.2
pull1D
Entries 38
Mean 0.00477
Std Dev 0.9986

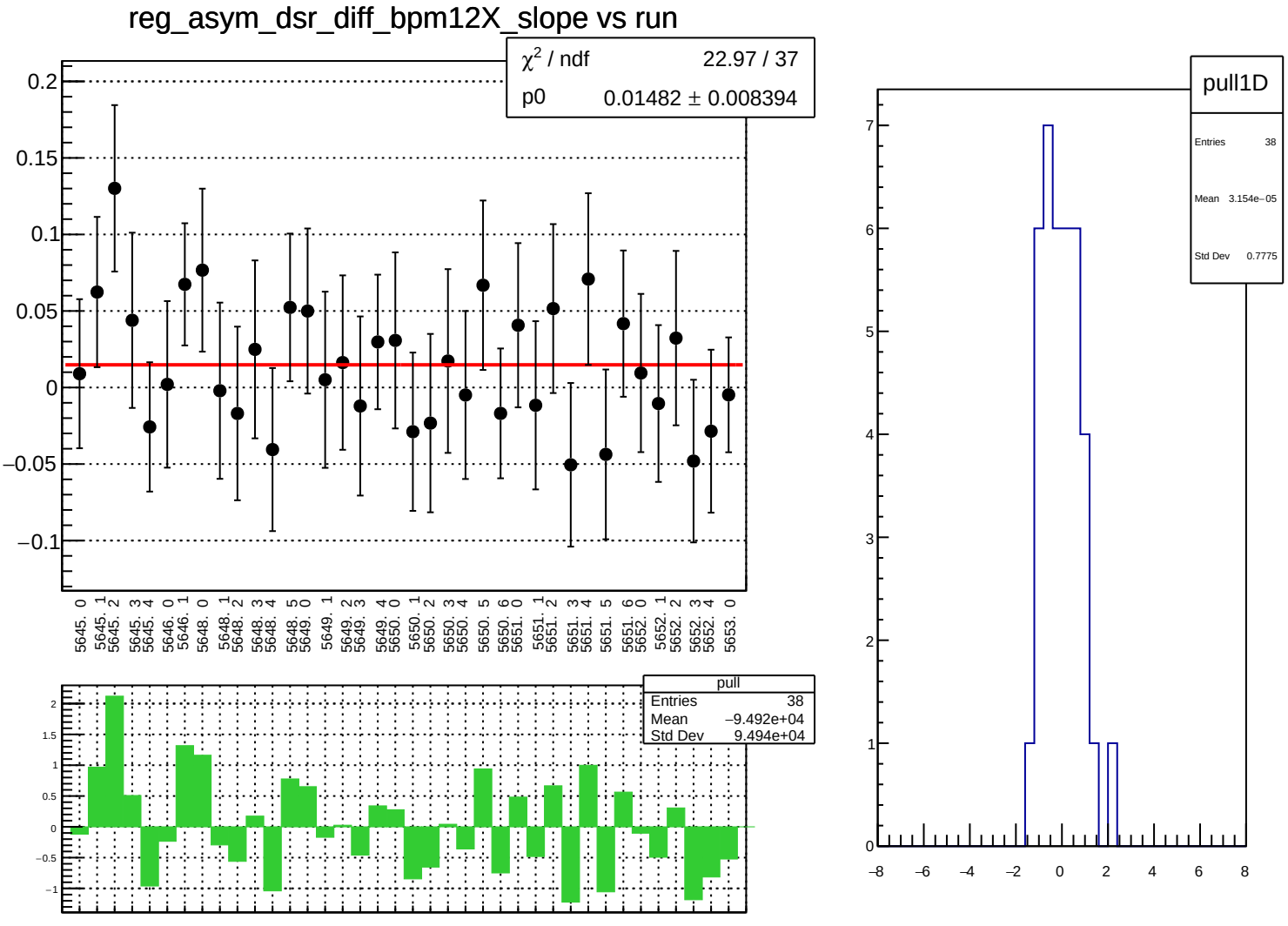

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 33.01 / 37
p0 −0.1984 ± 0.2201
pull
Entries 38
Mean −21.33
Std Dev 12.41

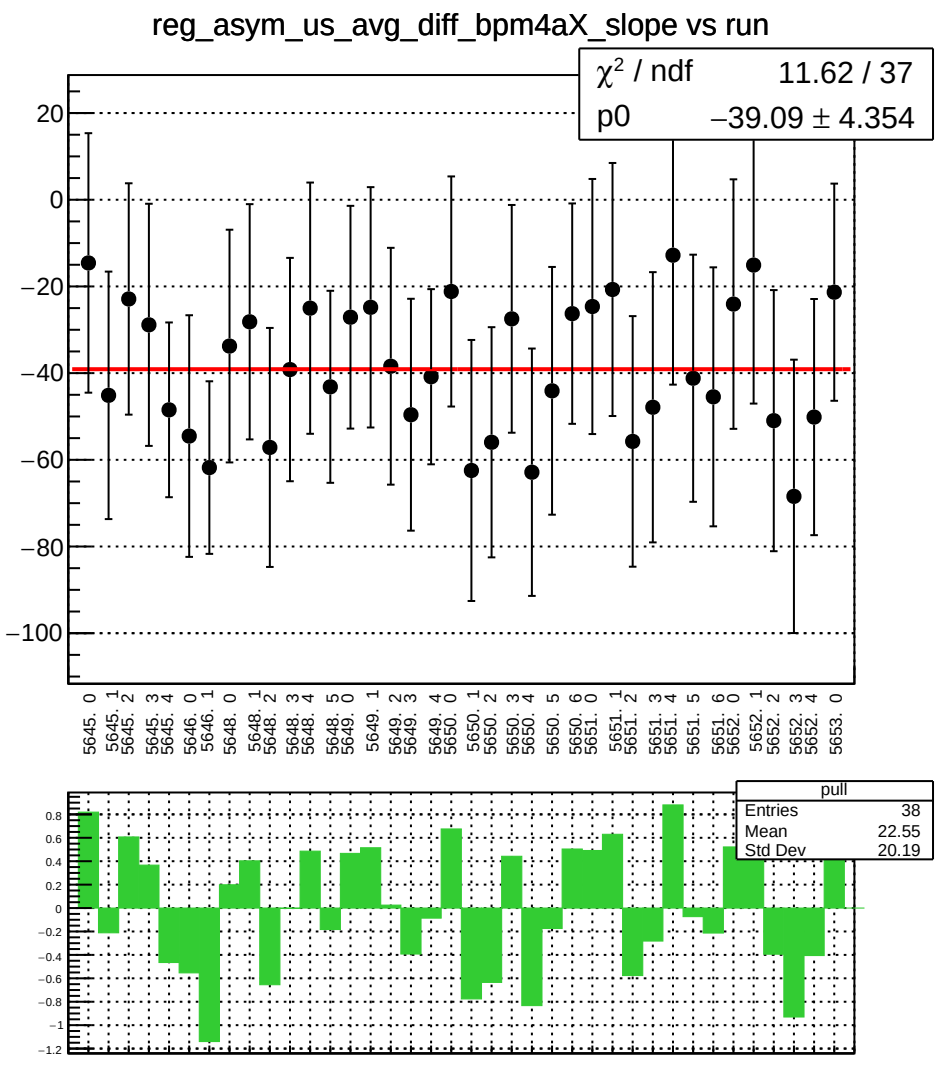

pull1D
Entries 38
Mean −0.03779
Std Dev 0.9313

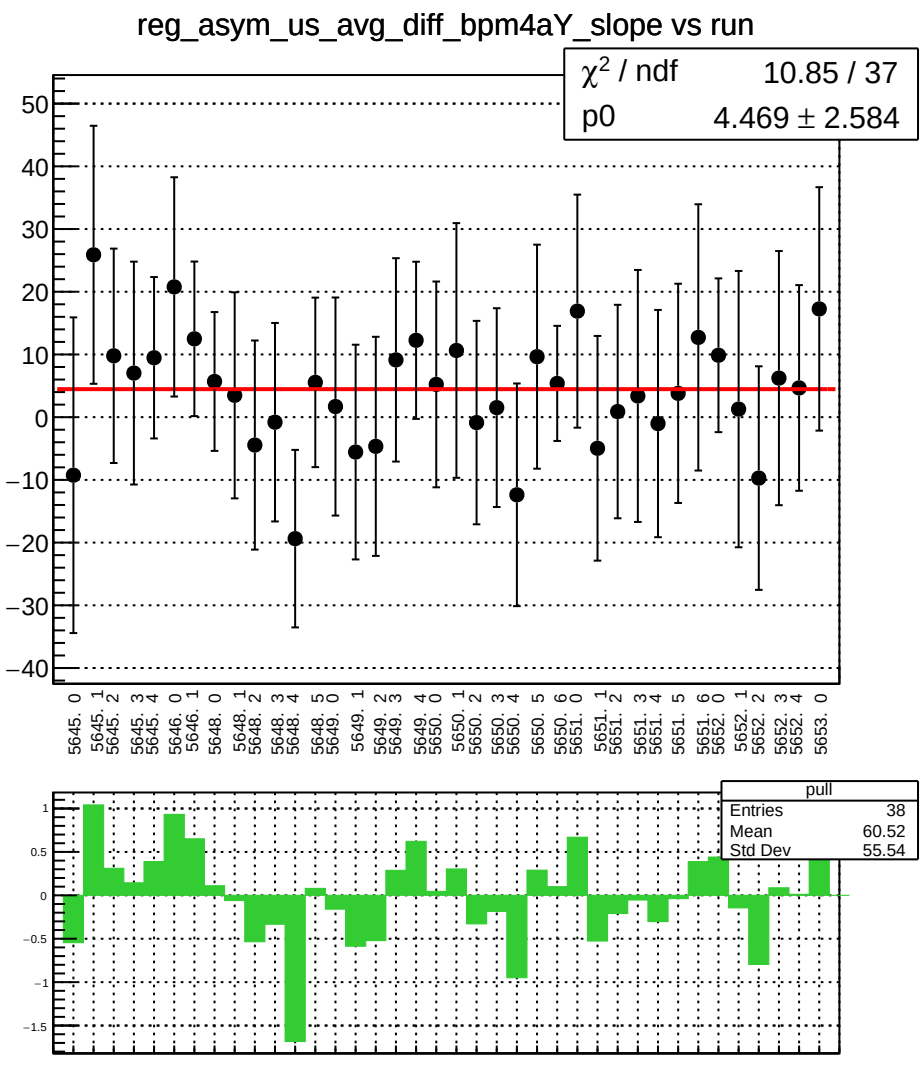

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 37.72 / 37
p0 −0.06753 ± 0.37
pull
Entries 38
Mean −399.6
Std Dev 421

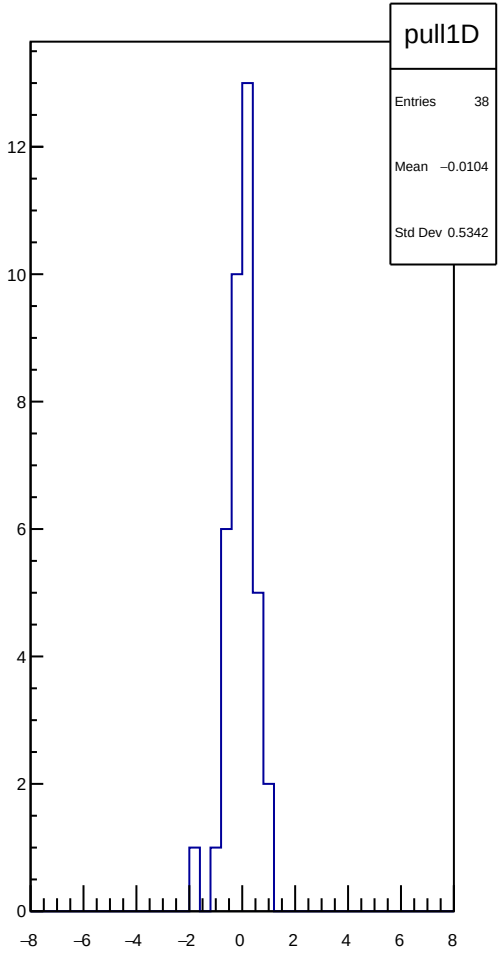

pull1D
Entries 38
Mean −0.00454
Std Dev 0.9964

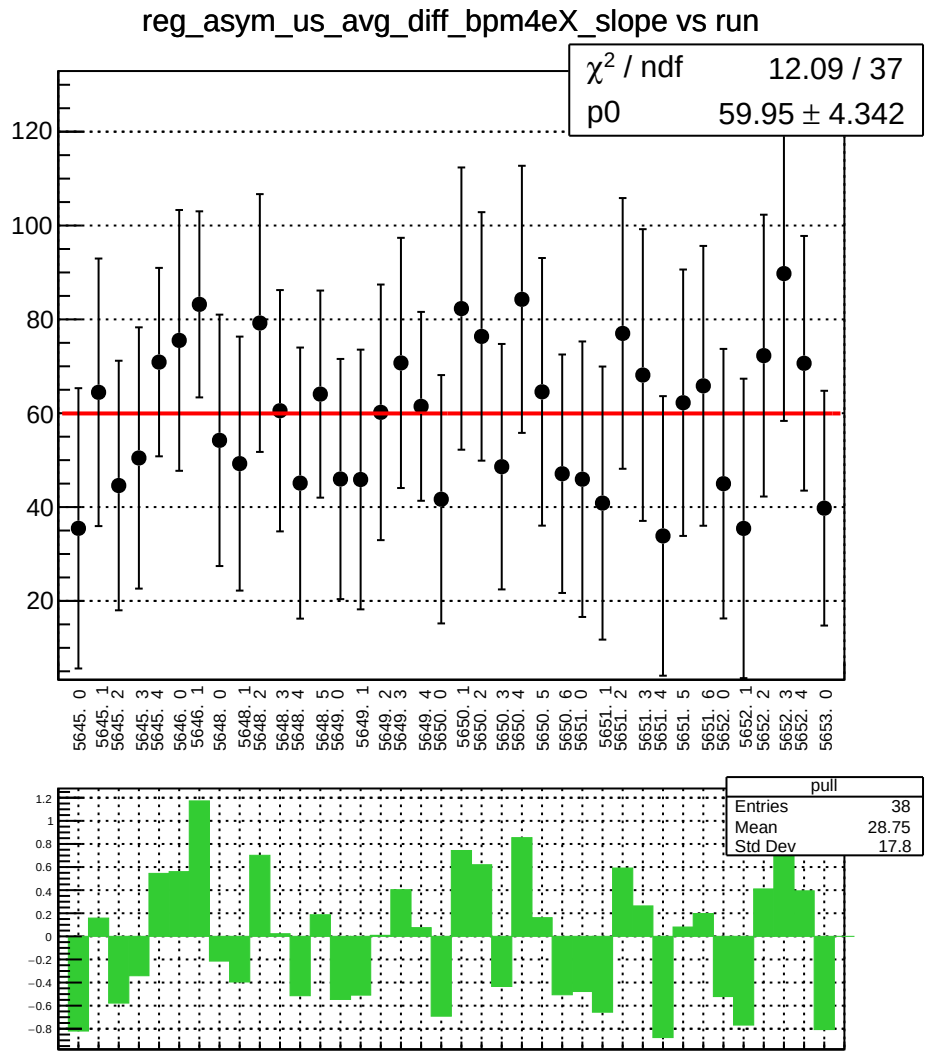

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 33.99 / 37
p0 0.2685 ± 0.2772
pull
Entries 38
Mean −30.43
Std Dev 9.511
pull1D
Entries 38
Mean 0.02863
Std Dev 0.9454

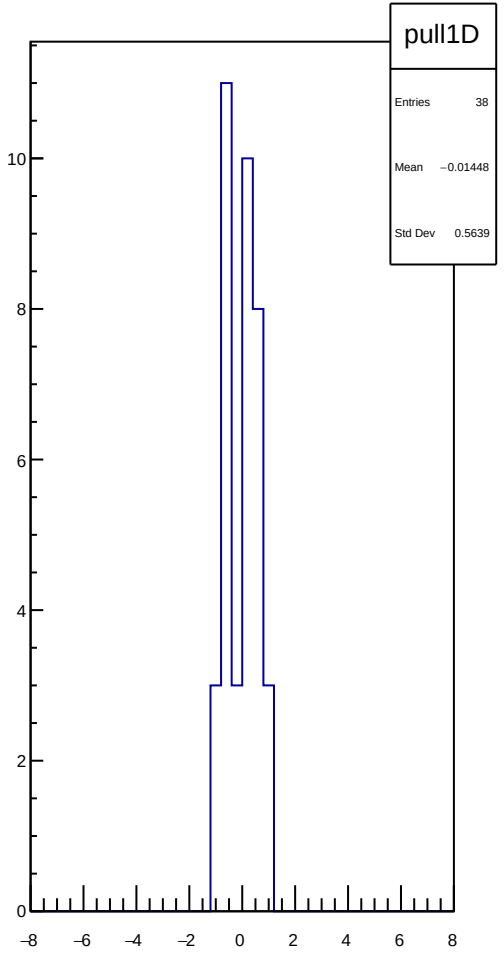

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 22.97 / 37
p0 0.01482 ± 0.008394
pull
Entries 38
Mean −9.492e+04
Std Dev 9.494e+04
pull1D
Entries 38
Mean 3.154e−05
Std Dev 0.7775

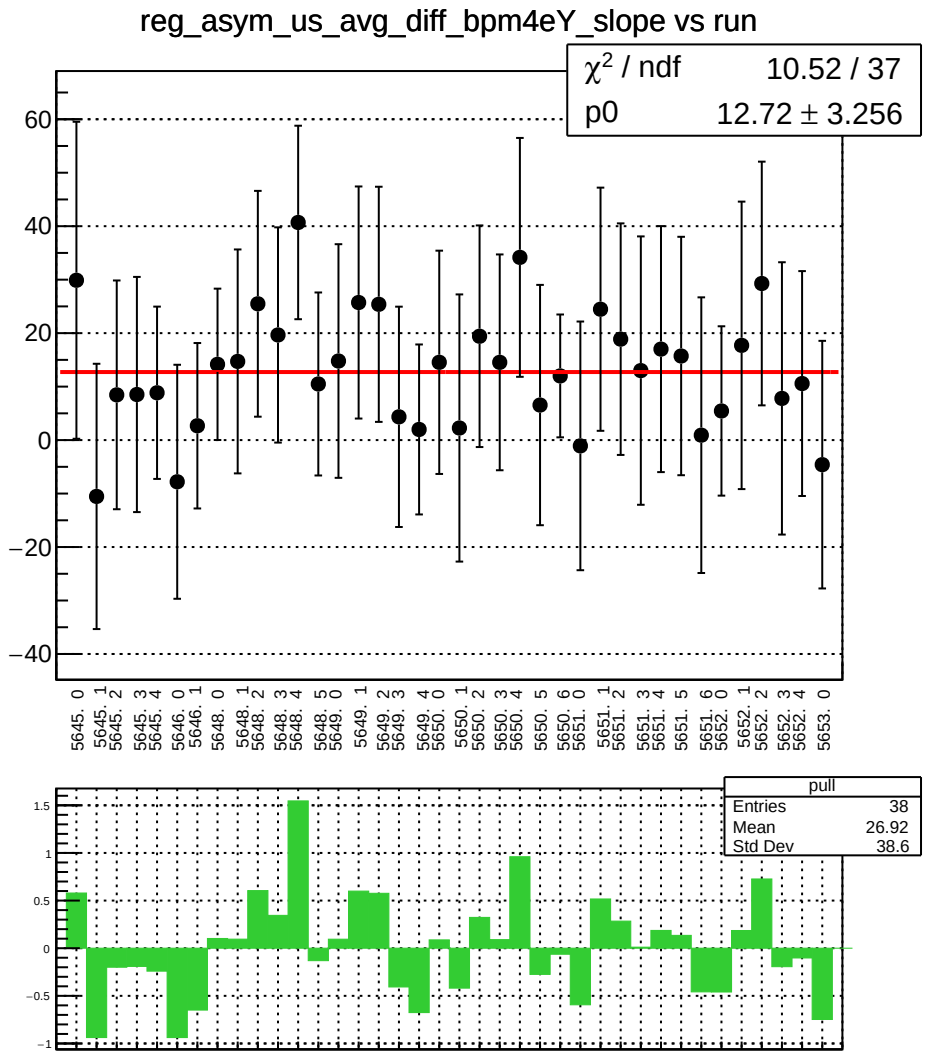

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 11.62 / 37
p0 −39.09 ± 4.354
20
0
−20
−40
−60
−80
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 22.55
Std Dev 20.19
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 38
Mean 0.01348
Std Dev 0.5529
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

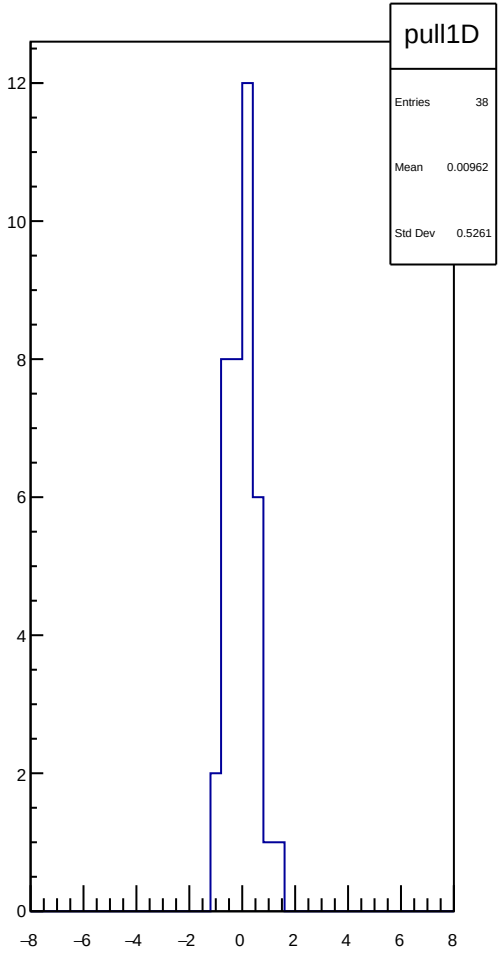

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.85 / 37
p0 4.469 ± 2.584
pull
Entries 38
Mean 60.52
Std Dev 55.54

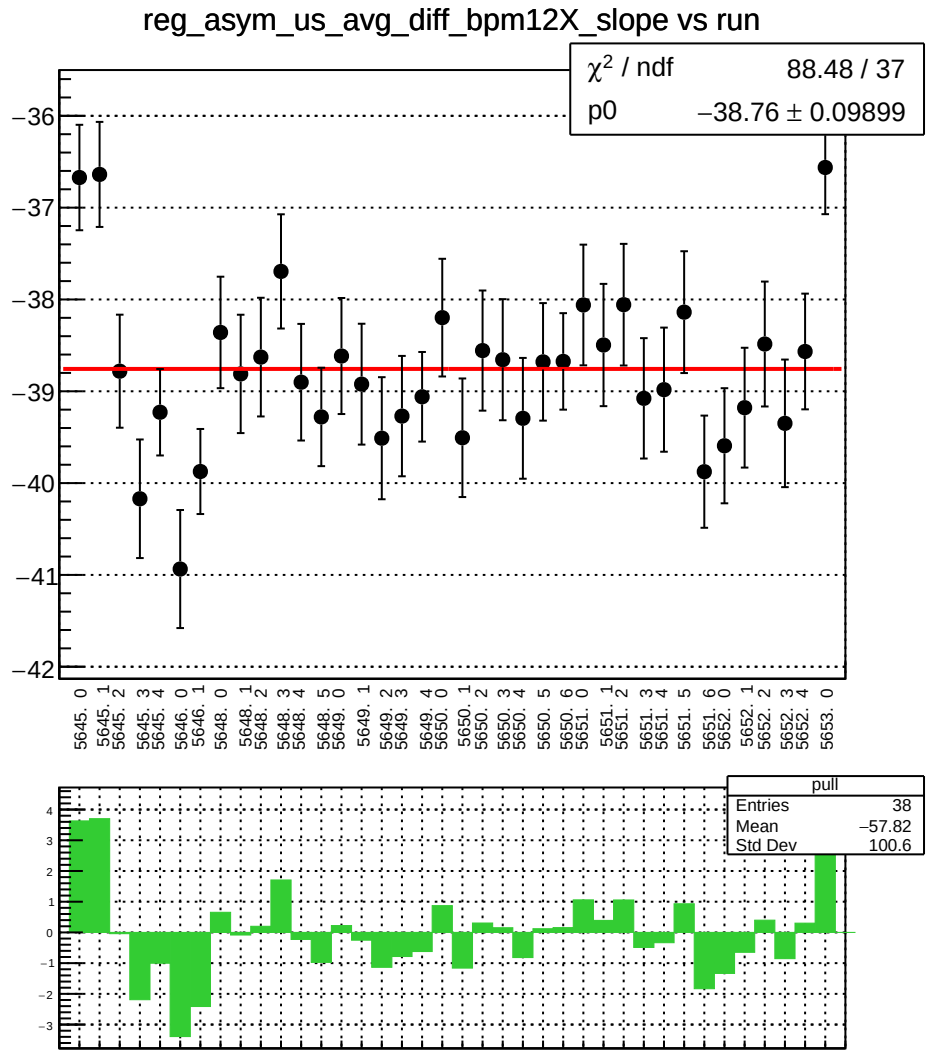

pull1D
Entries 38
Mean −0.0104
Std Dev 0.5342

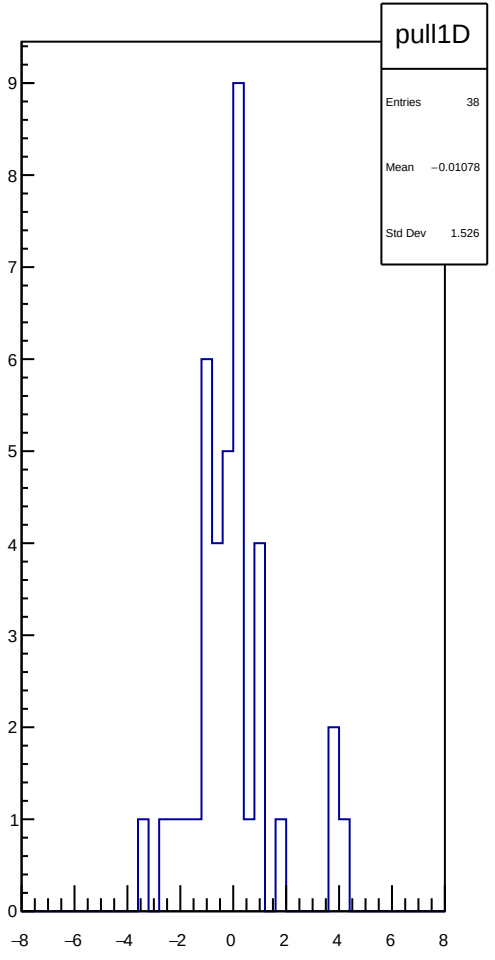

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.09 / 37
p0 59.95 ± 4.342
120
100
80
60
40
20
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 28.75
Std Dev 17.8
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

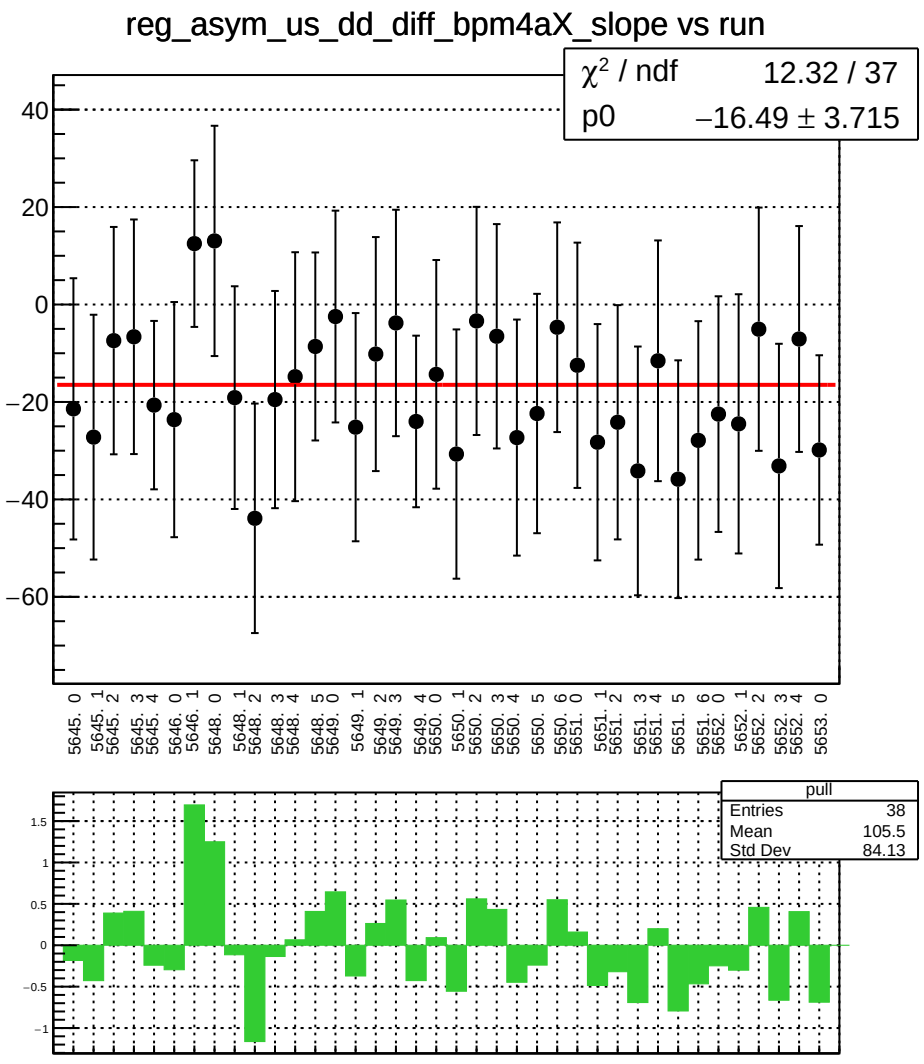

pull1D
Entries 38
Mean −0.01448
Std Dev 0.5639
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

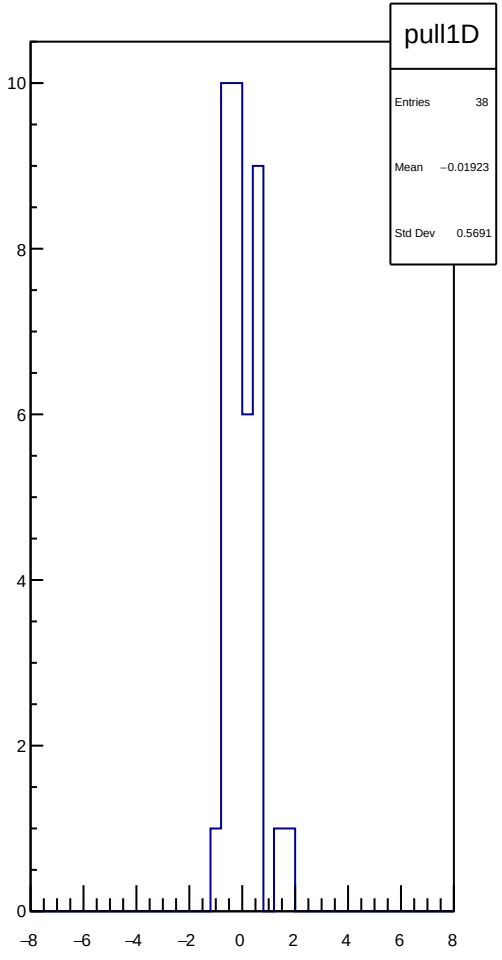

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.52 / 37
p0 12.72 ± 3.256
pull
Entries 38
Mean 26.92
Std Dev 38.6

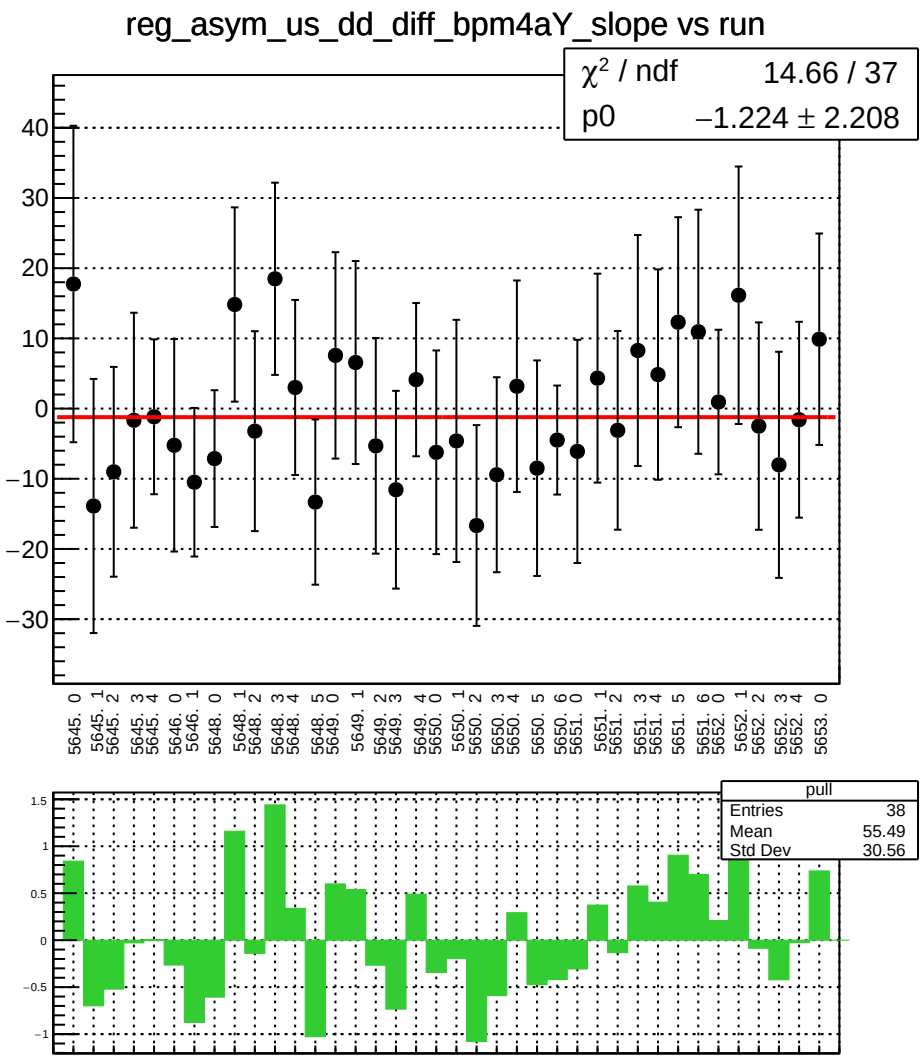

pull1D
Entries 38
Mean 0.00962
Std Dev 0.5261

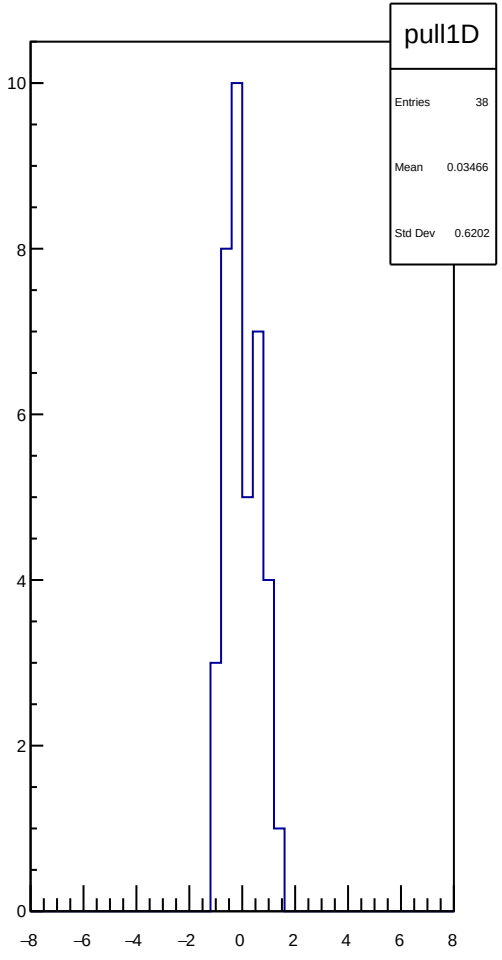

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 88.48 / 37
p0 −38.76 ± 0.09899
pull
Entries 38
Mean −57.82
Std Dev 100.6

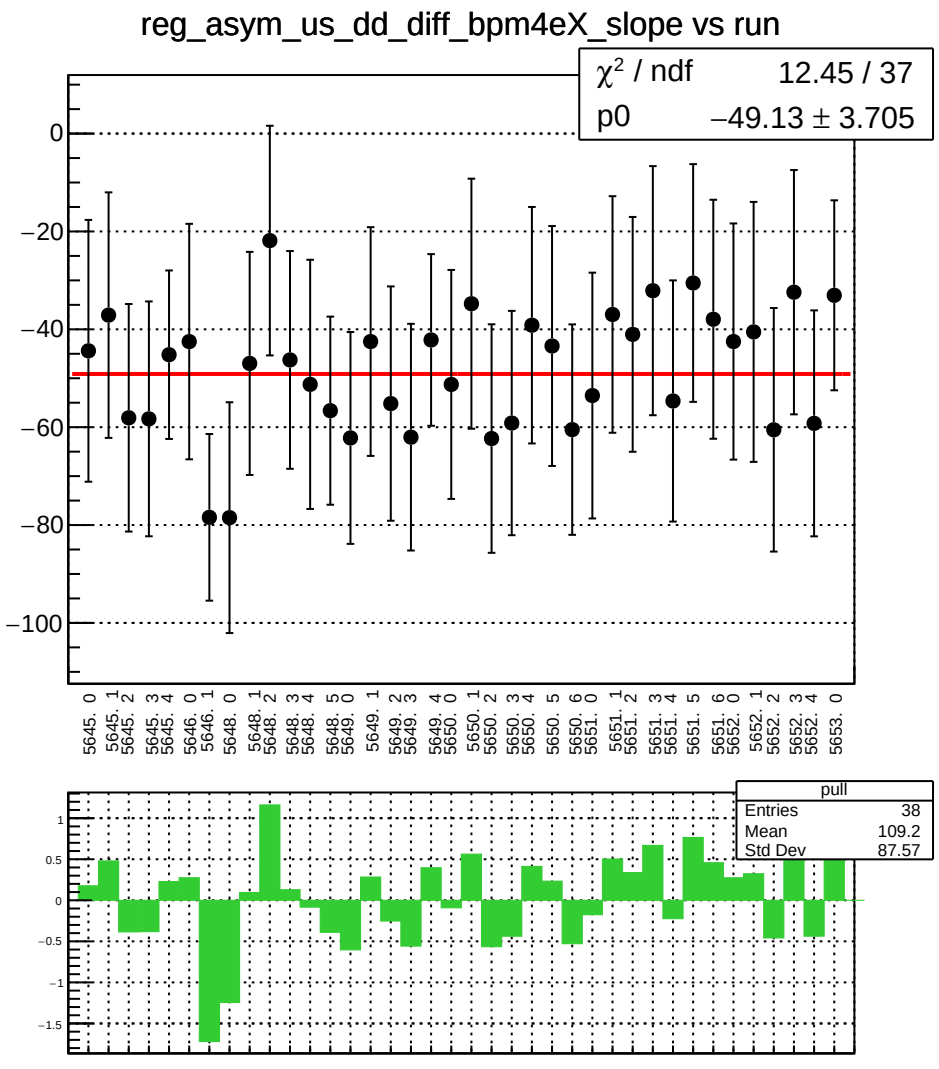

pull1D
Entries 38
Mean −0.01078
Std Dev 1.526

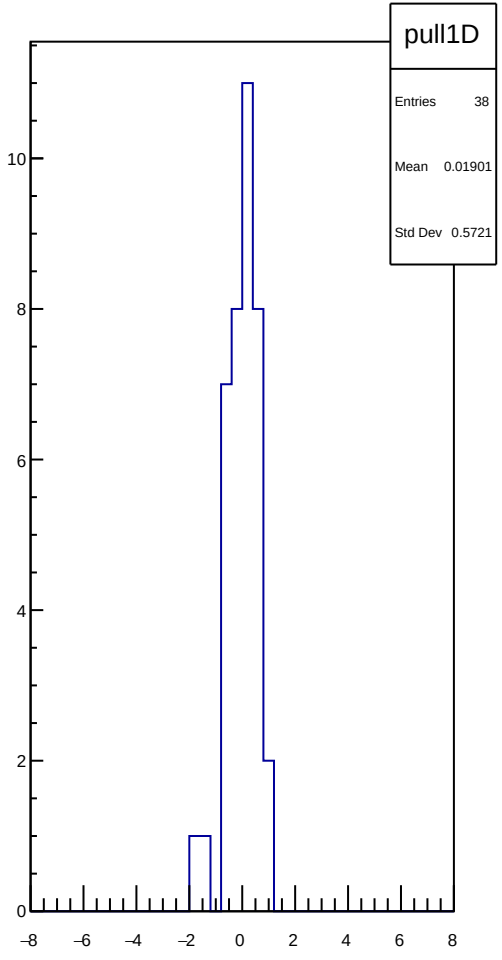

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.32 / 37
p0 −16.49 ± 3.715
40
20
0
−20
−40
−60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 105.5
Std Dev 84.13
1.5
1
0.5
0
−0.5
−1

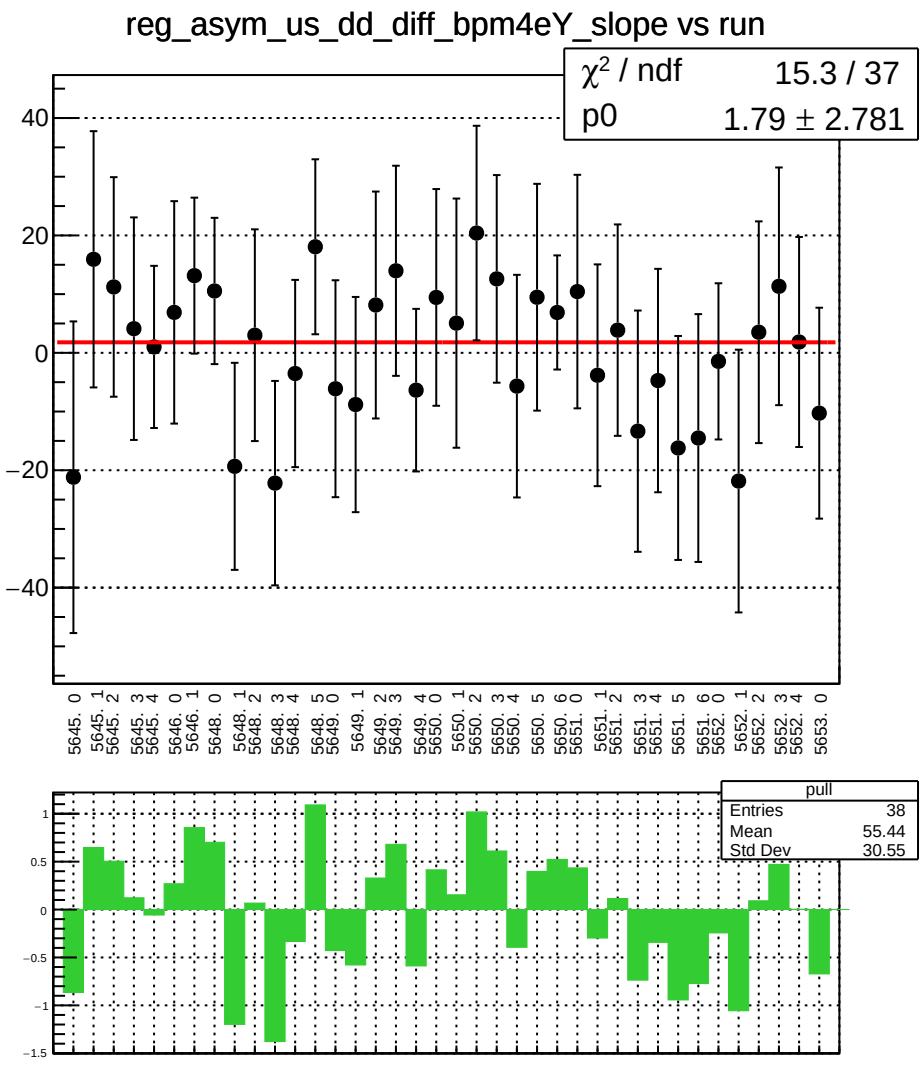

pull1D
Entries 38
Mean −0.01923
Std Dev 0.5691
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

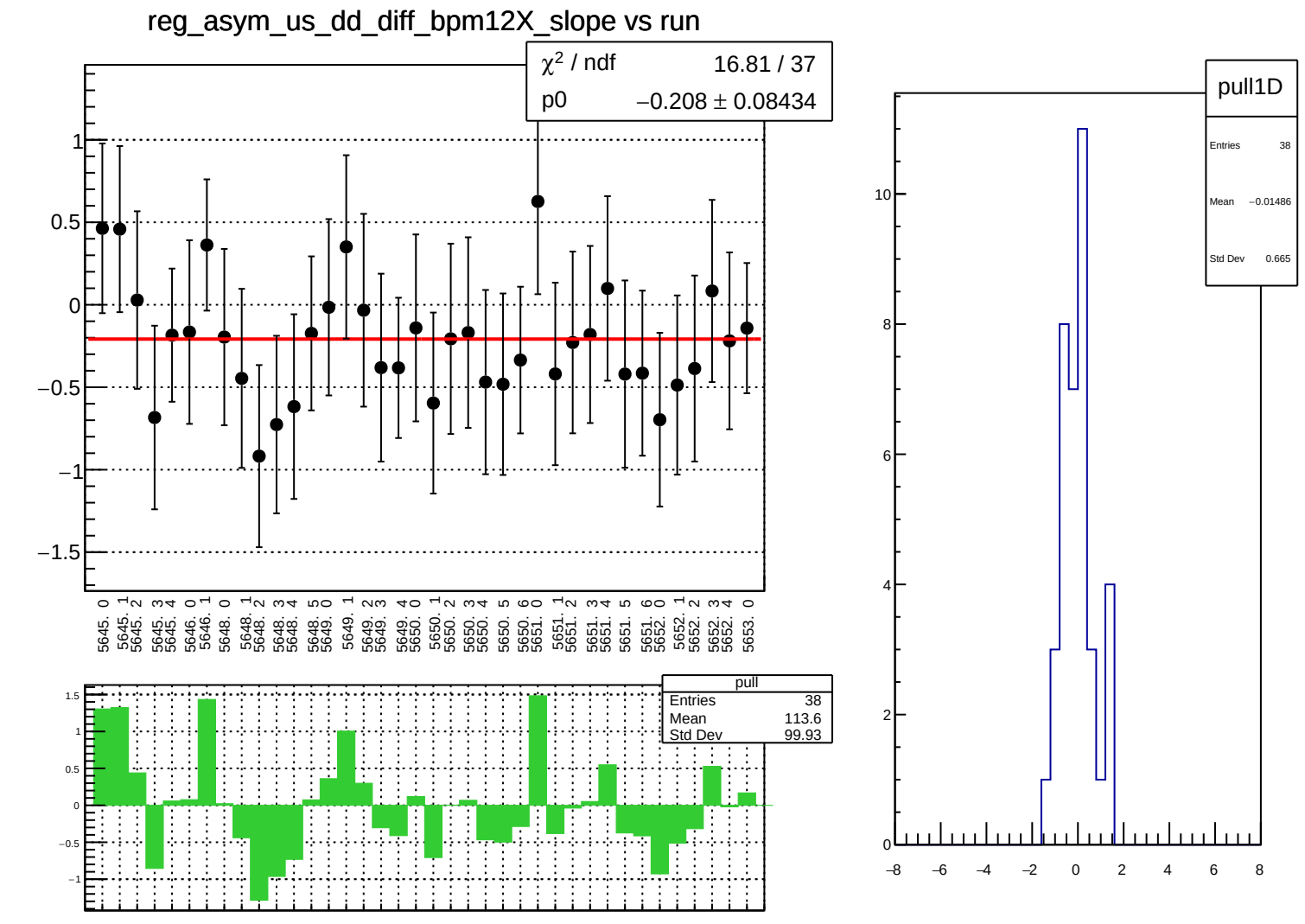

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.66 / 37
p0 −1.224 ± 2.208
pull
Entries 38
Mean 55.49
Std Dev 30.56

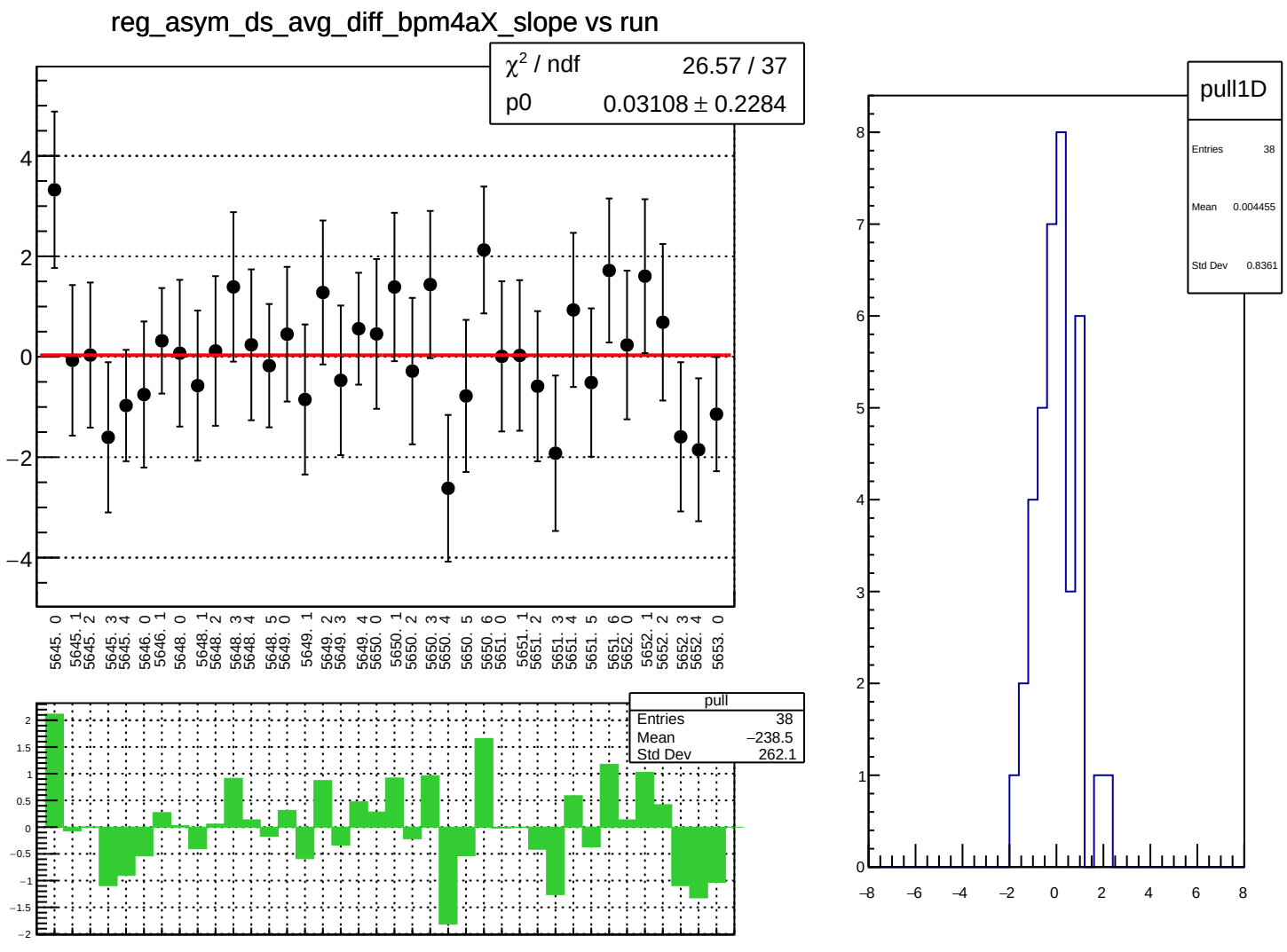

pull1D
Entries 38
Mean 0.03466
Std Dev 0.6202

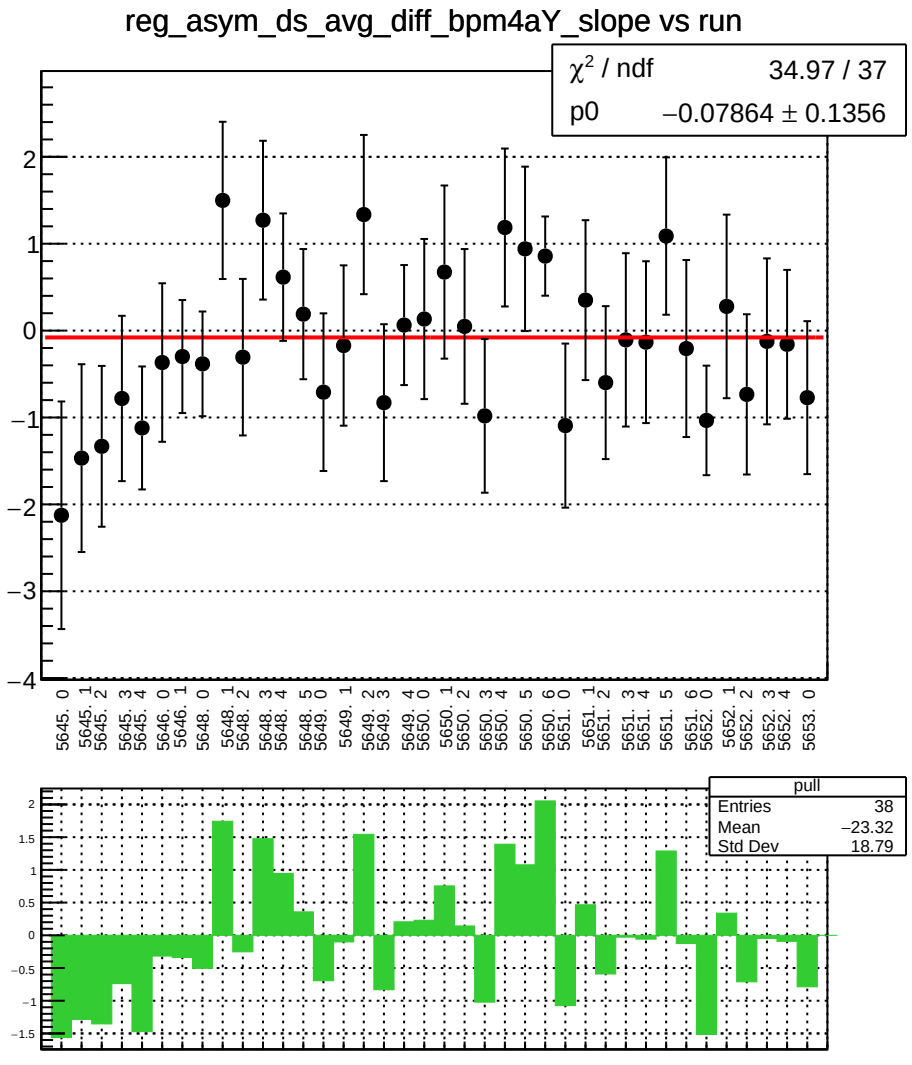

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.45 / 37
p0 −49.13 ± 3.705
0
−20
−40
−60
−80
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 109.2
Std Dev 87.57
1
0.5
0
−0.5
−1
−1.5

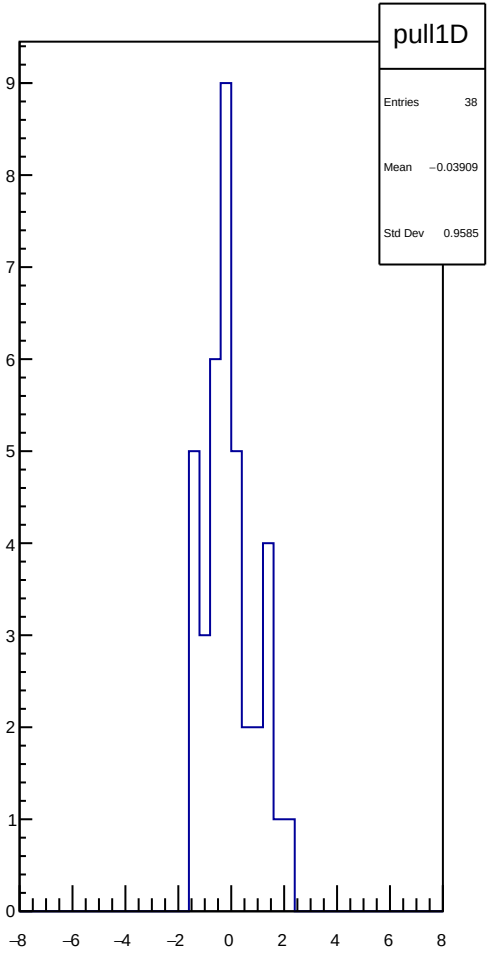

pull1D
Entries 38
Mean 0.01901
Std Dev 0.5721
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

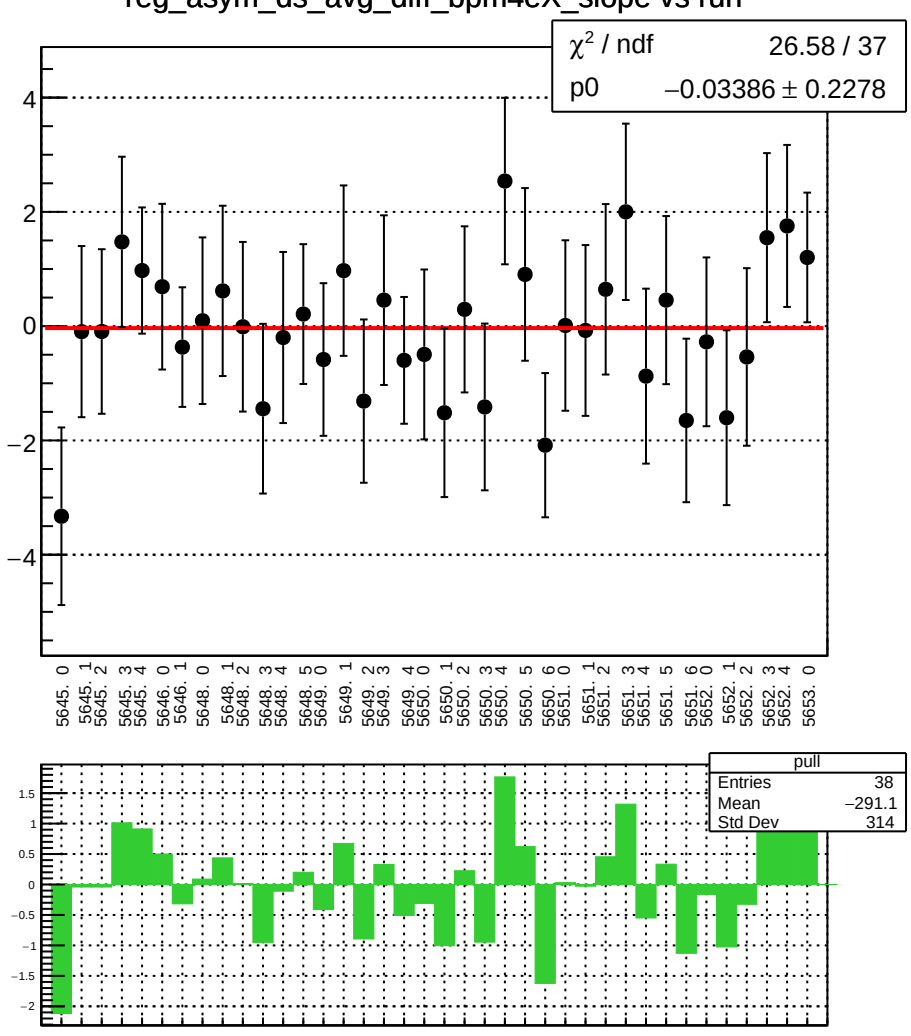

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.3 / 37
p0 1.79 ± 2.781
40
20
0
−20
−40
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 55.44
Std Dev 30.55
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean −0.03624
Std Dev 0.6335
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

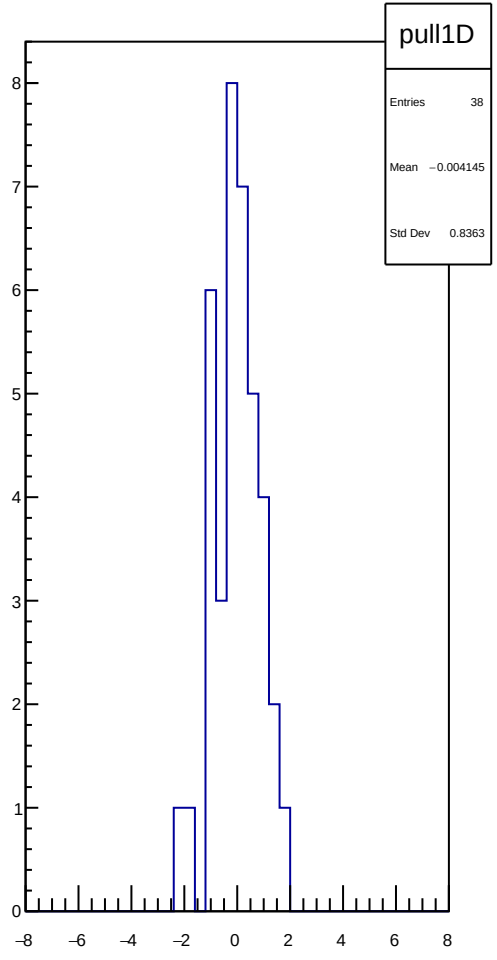

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 16.81 / 37
p0 −0.208 ± 0.08434
pull
Entries 38
Mean 113.6
Std Dev 99.93
pull1D
Entries 38
Mean −0.01486
Std Dev 0.665

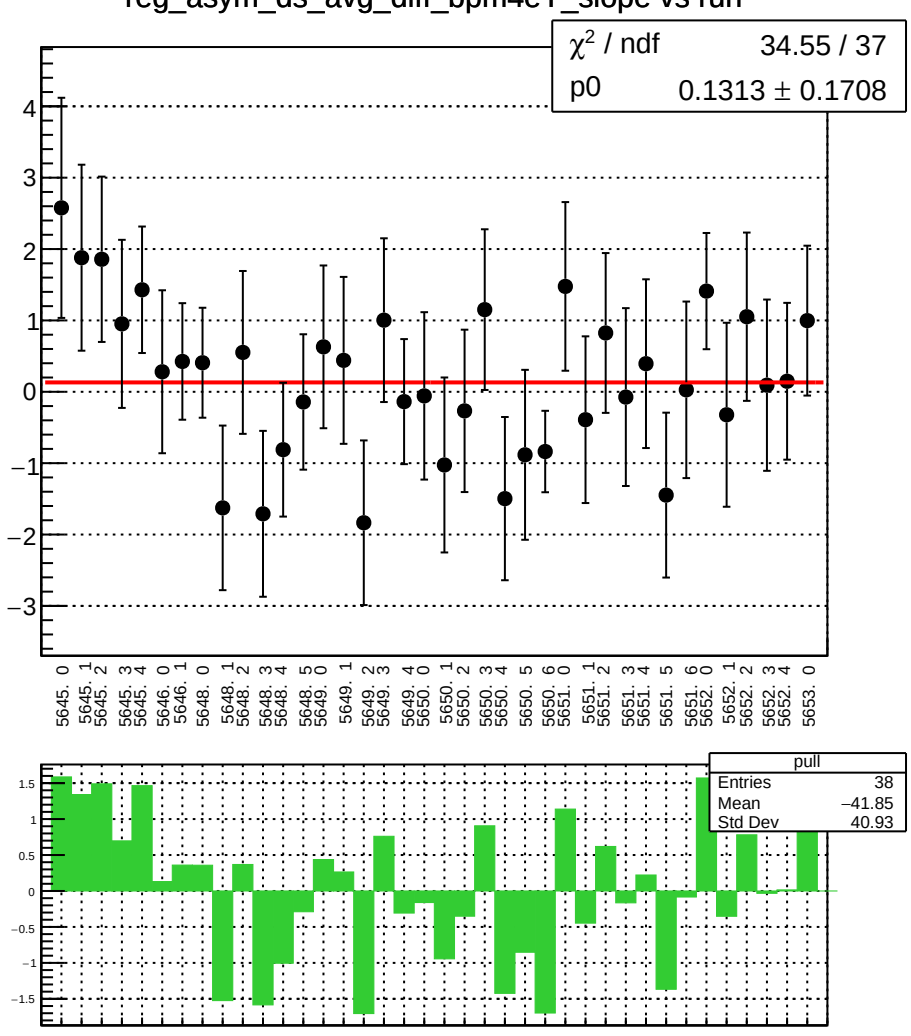

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 26.57 / 37
p0 0.03108 ± 0.2284
pull
Entries 38
Mean −238.5
Std Dev 262.1
pull1D
Entries 38
Mean 0.004455
Std Dev 0.8361

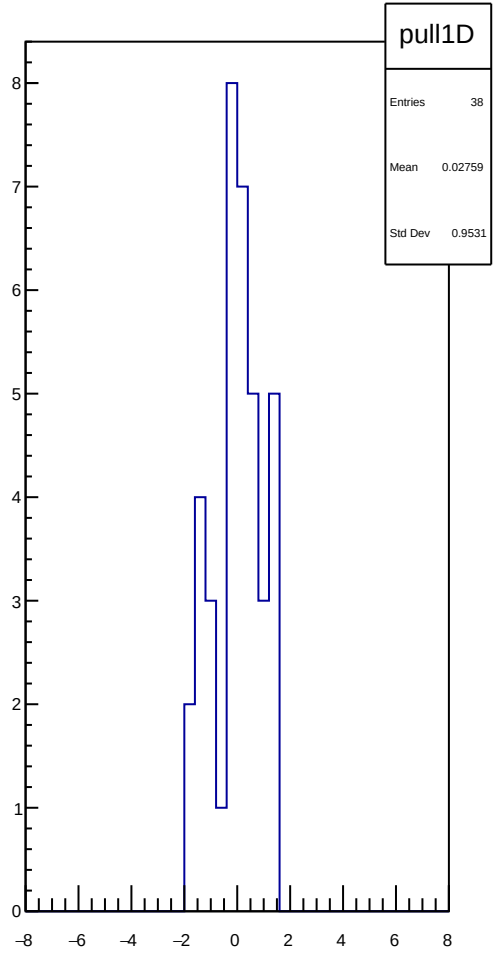

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.97 / 37
p0 −0.07864 ± 0.1356
pull
Entries 38
Mean −23.32
Std Dev 18.79

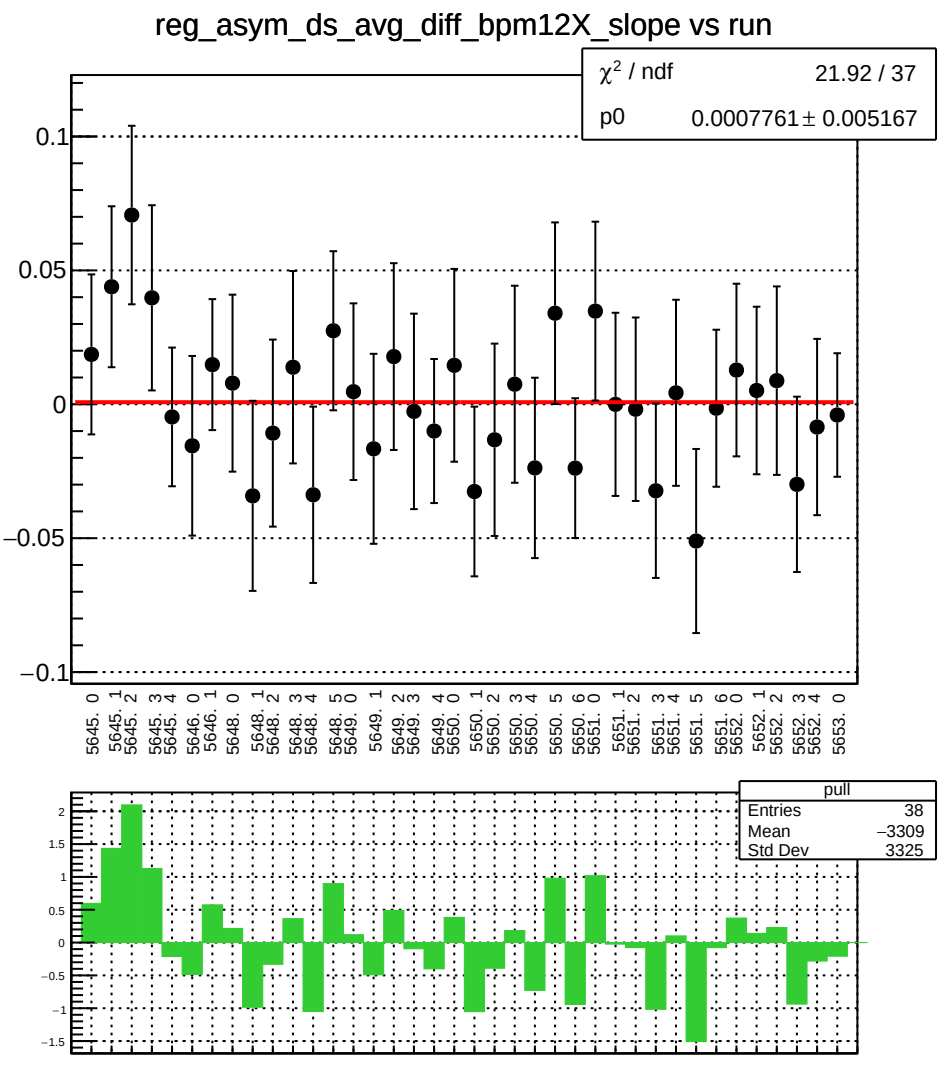

pull1D
Entries 38
Mean −0.03909
Std Dev 0.9585

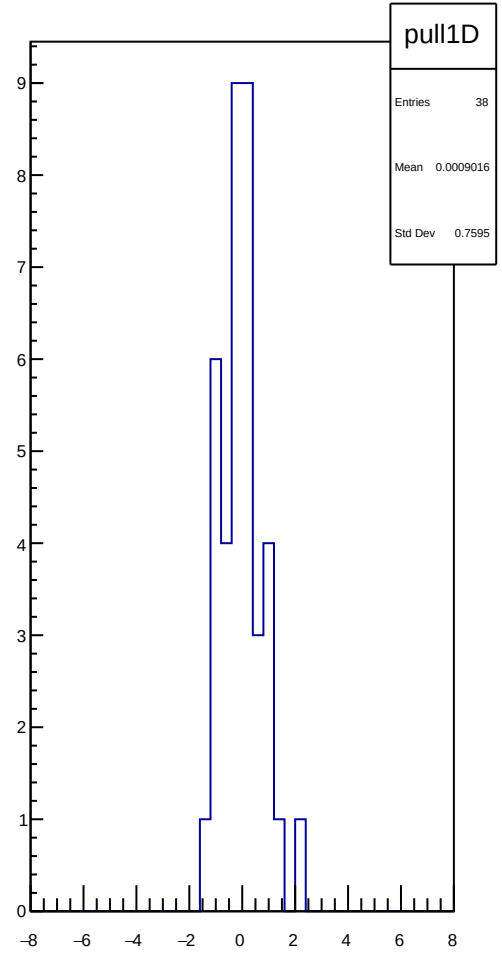

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.58 / 37
p0 −0.03386 ± 0.2278
pull
Entries 38
Mean −291.1
Std Dev 314

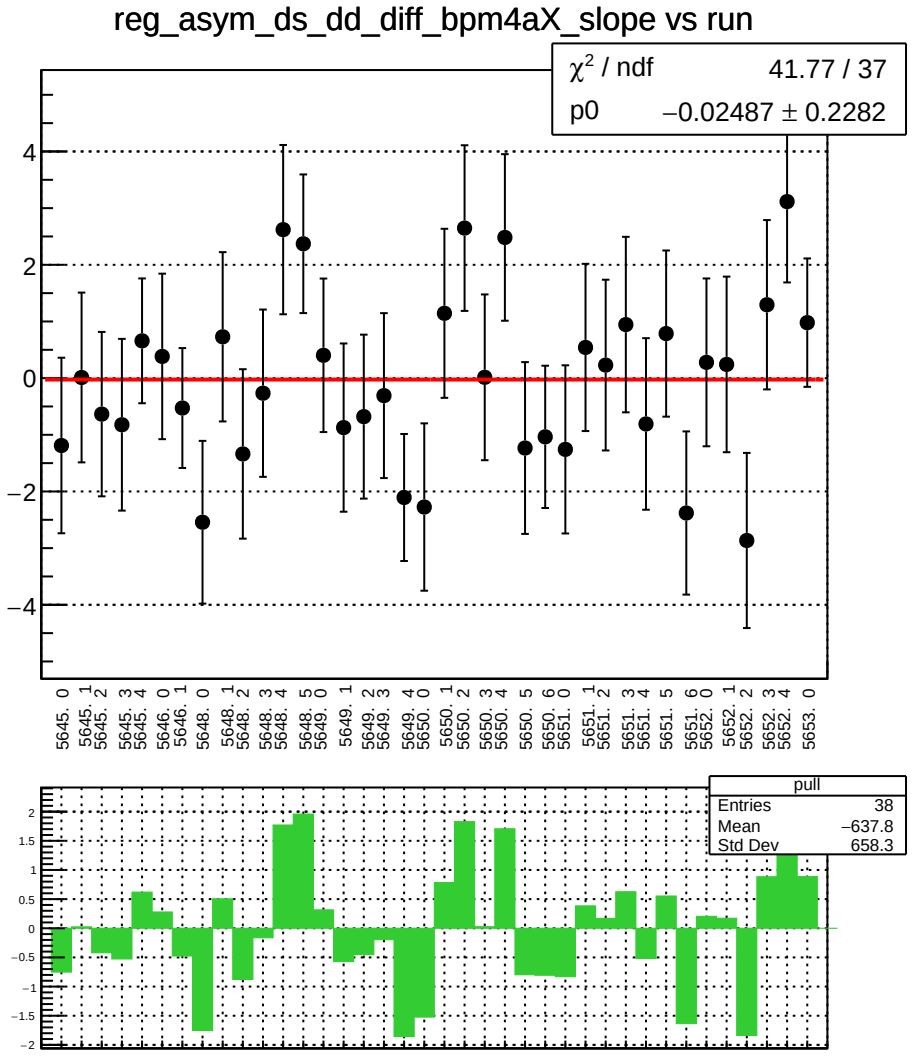

pull1D
Entries 38
Mean −0.004145
Std Dev 0.8363

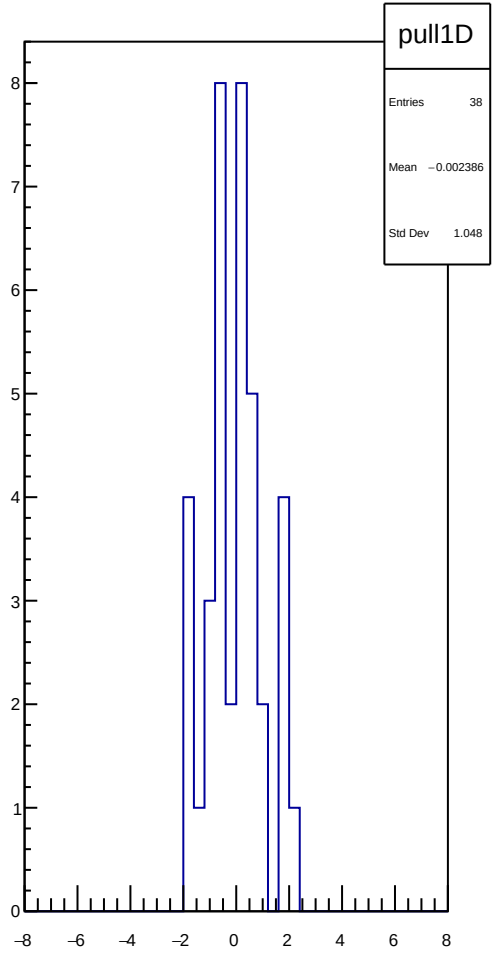

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.55 / 37
p0 0.1313 ± 0.1708
pull
Entries 38
Mean −41.85
Std Dev 40.93

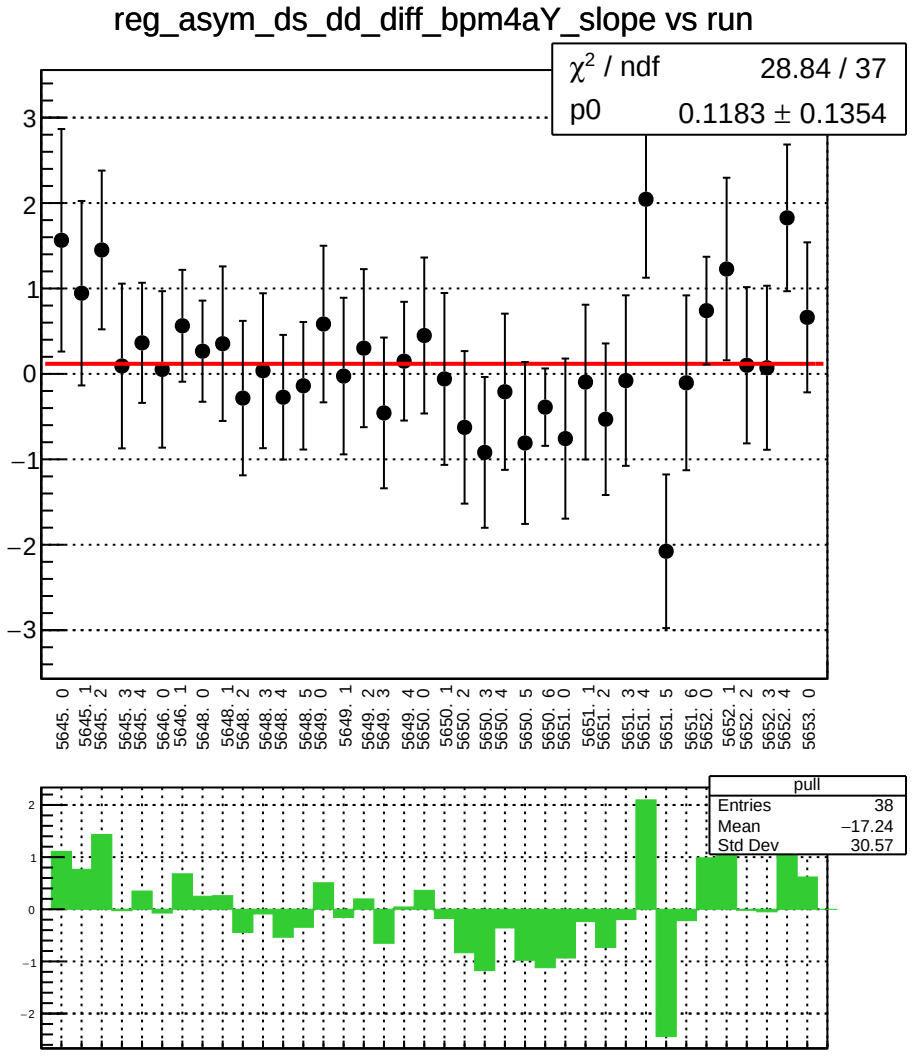

pull1D
Entries 38
Mean 0.02759
Std Dev 0.9531

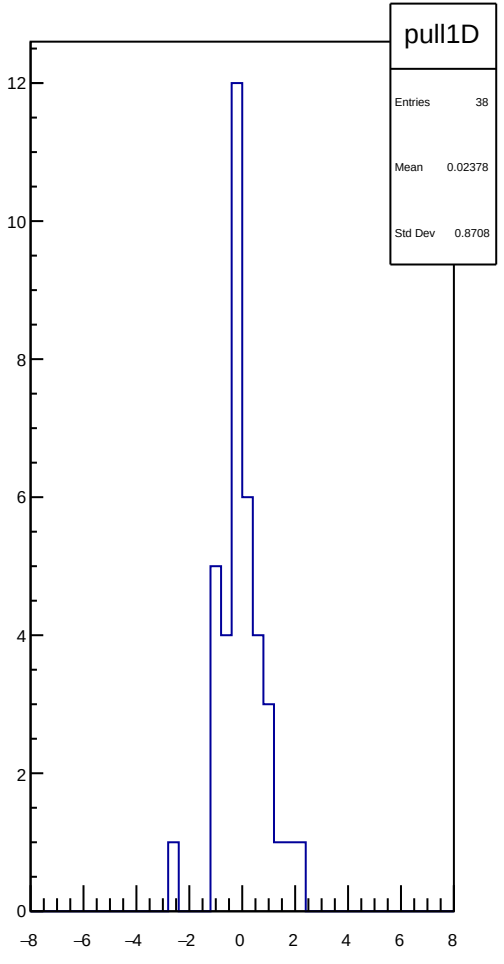

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 21.92 / 37
p0 0.0007761 ± 0.005167
0.1
0.05
0
−0.05
−0.1
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −3309
Std Dev 3325
2
1.5
1
0.5
0
−0.5
−1
−1.5

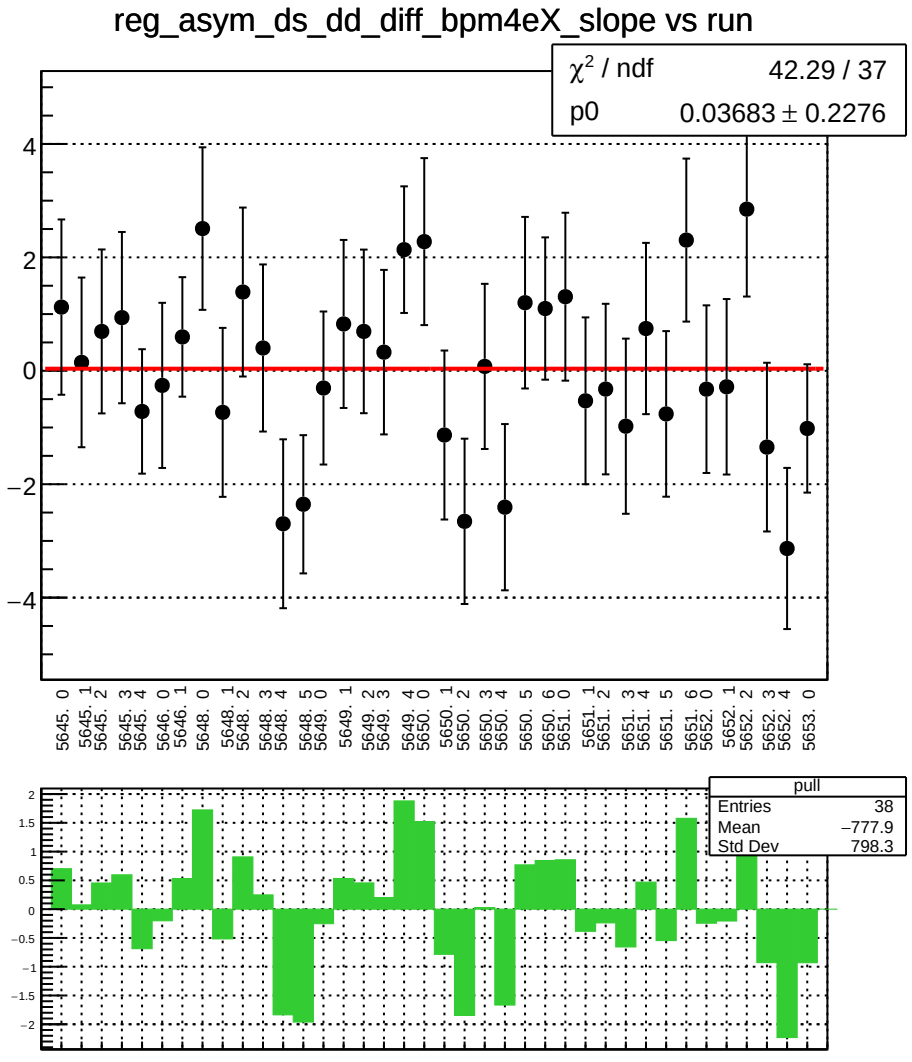

pull1D
Entries 38
Mean 0.0009016
Std Dev 0.7595
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

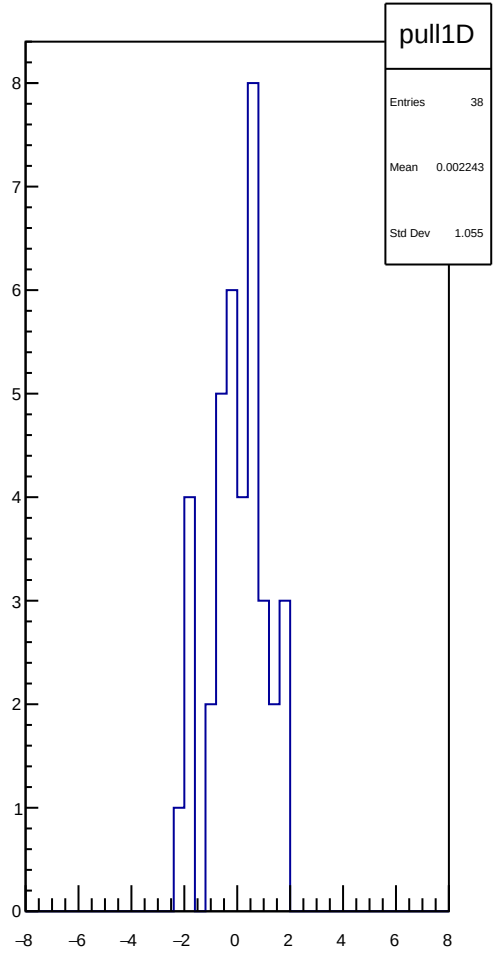

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 41.77 / 37
p0 −0.02487 ± 0.2282
pull
Entries 38
Mean −637.8
Std Dev 658.3

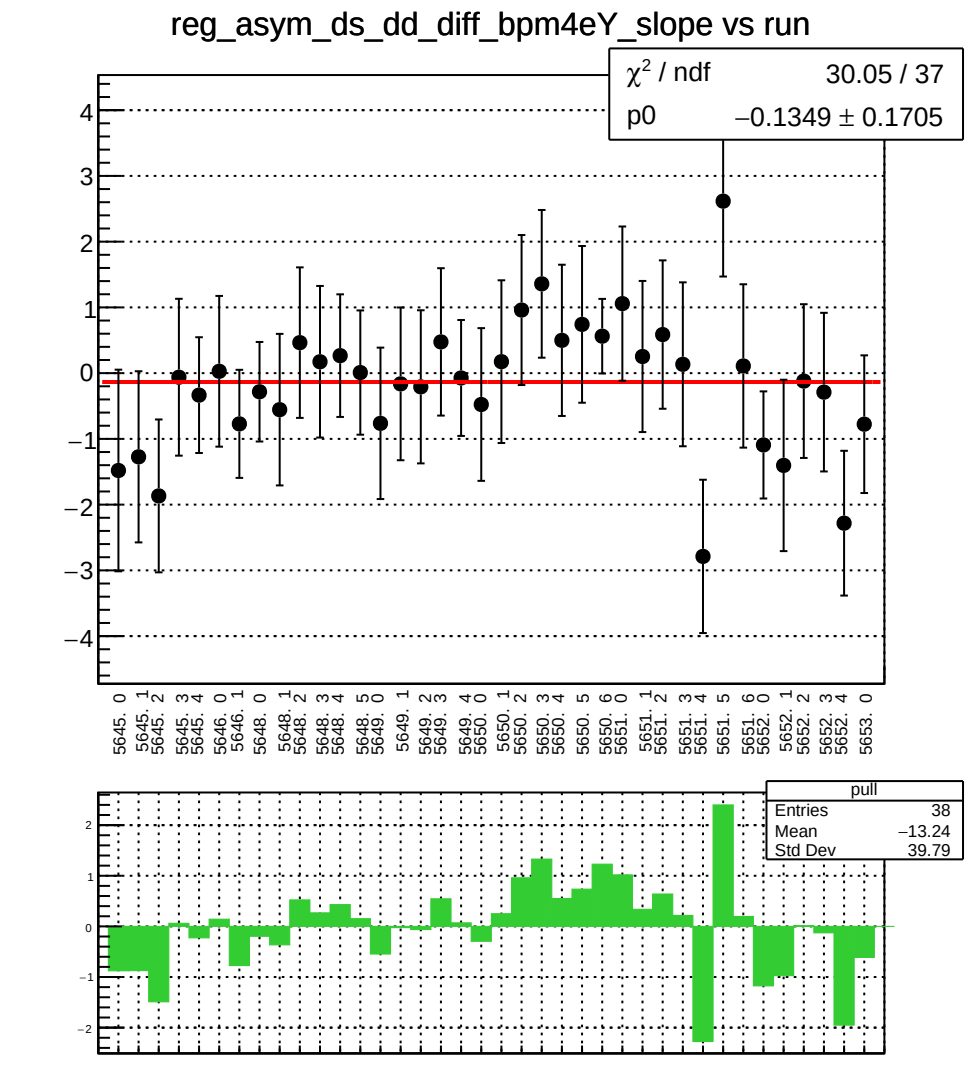

pull1D
Entries 38
Mean −0.002386
Std Dev 1.048

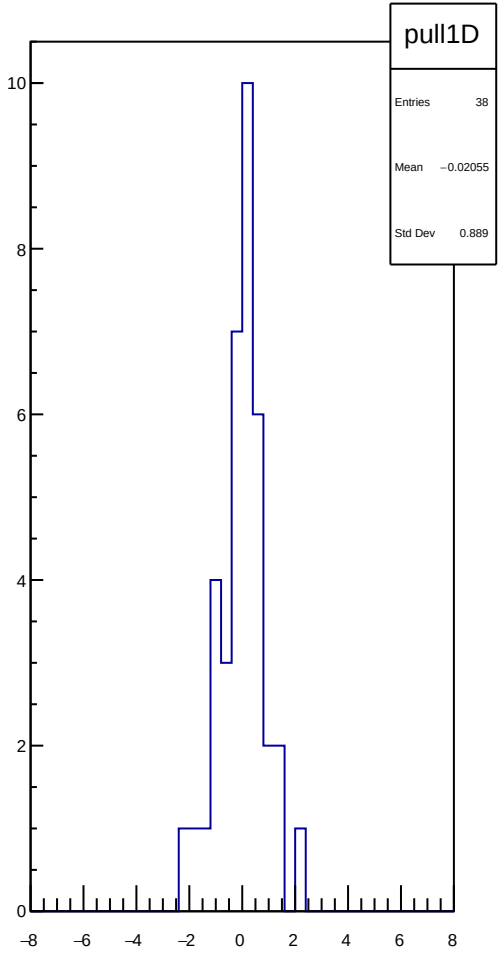

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.84 / 37
p0 0.1183 ± 0.1354
pull
Entries 38
Mean −17.24
Std Dev 30.57

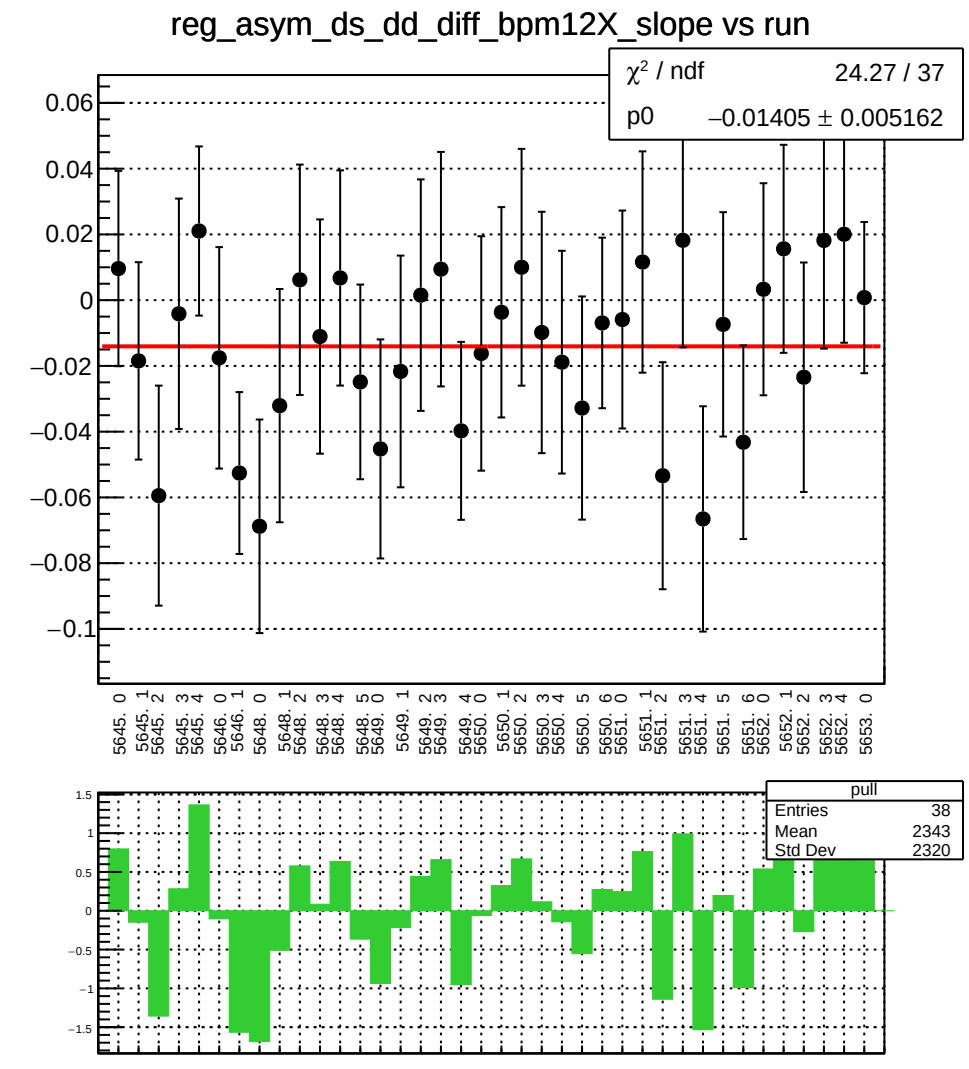

pull1D
Entries 38
Mean 0.02378
Std Dev 0.8708

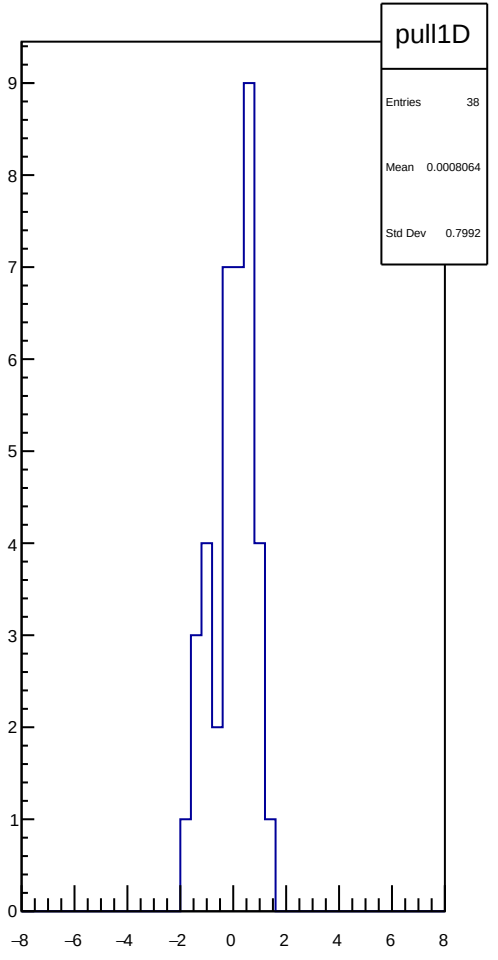

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.29 / 37
p0 0.03683 ± 0.2276
pull
Entries 38
Mean −777.9
Std Dev 798.3

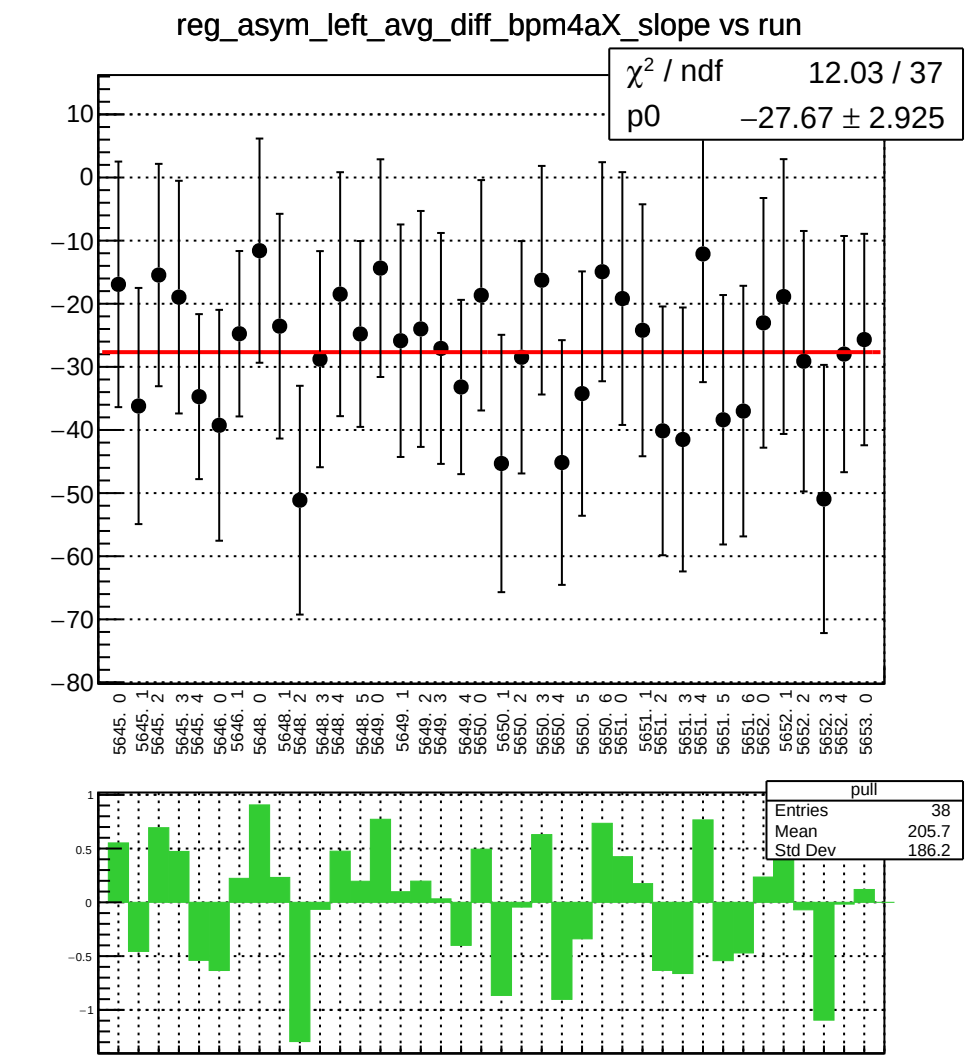

pull1D
Entries 38
Mean 0.002243
Std Dev 1.055

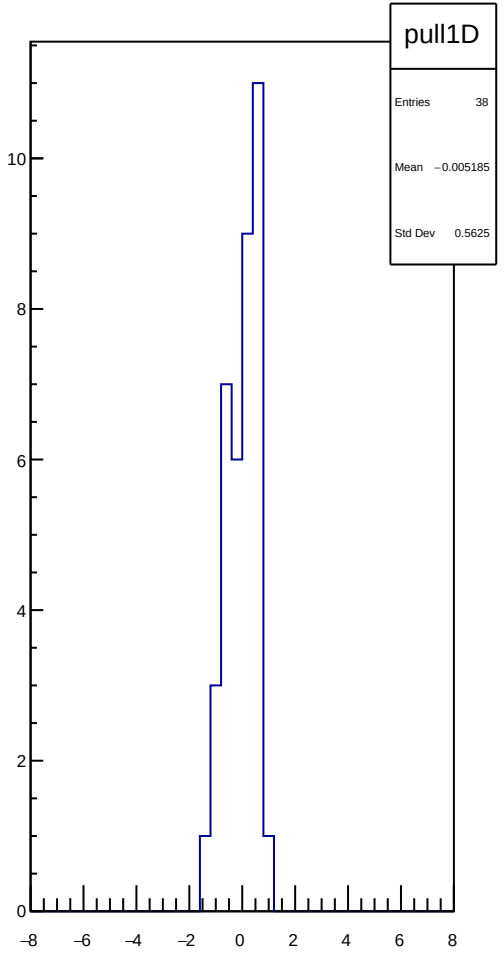

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.05 / 37
p0 −0.1349 ± 0.1705
pull
Entries 38
Mean −13.24
Std Dev 39.79

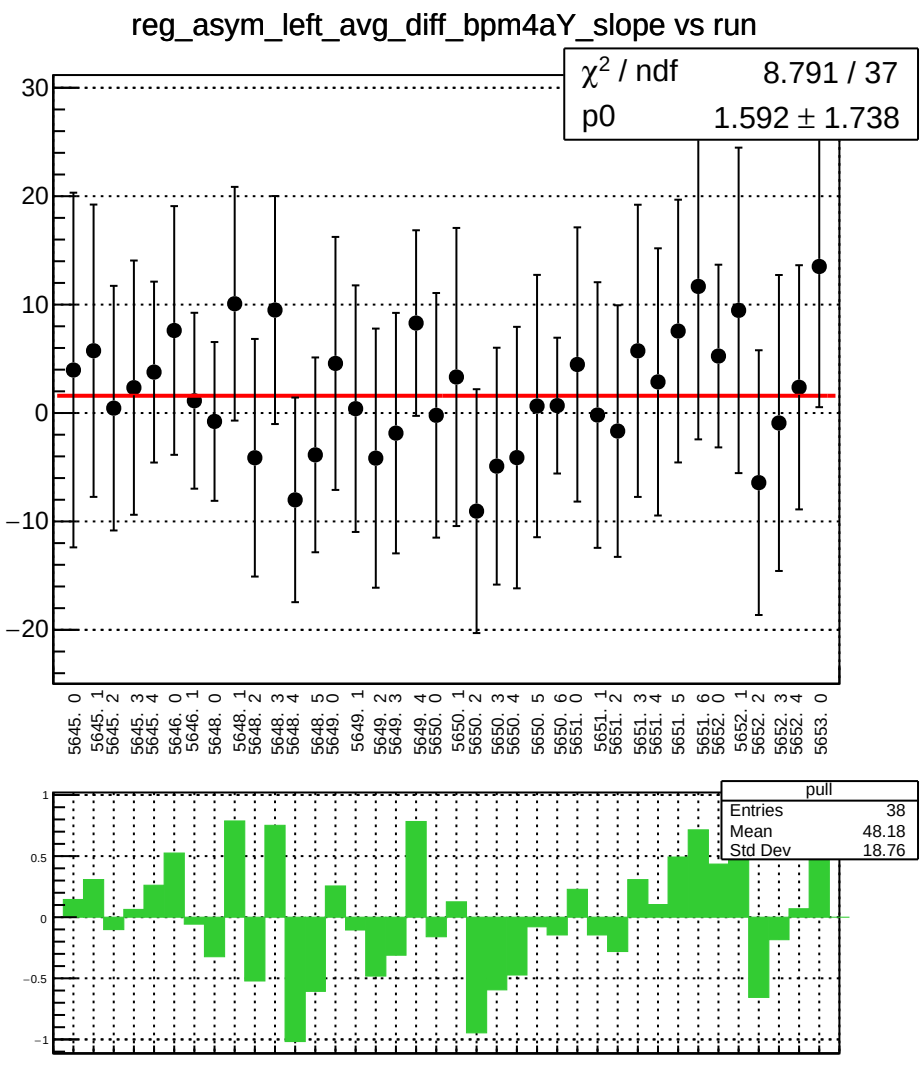

pull1D
Entries 38
Mean −0.02055
Std Dev 0.889

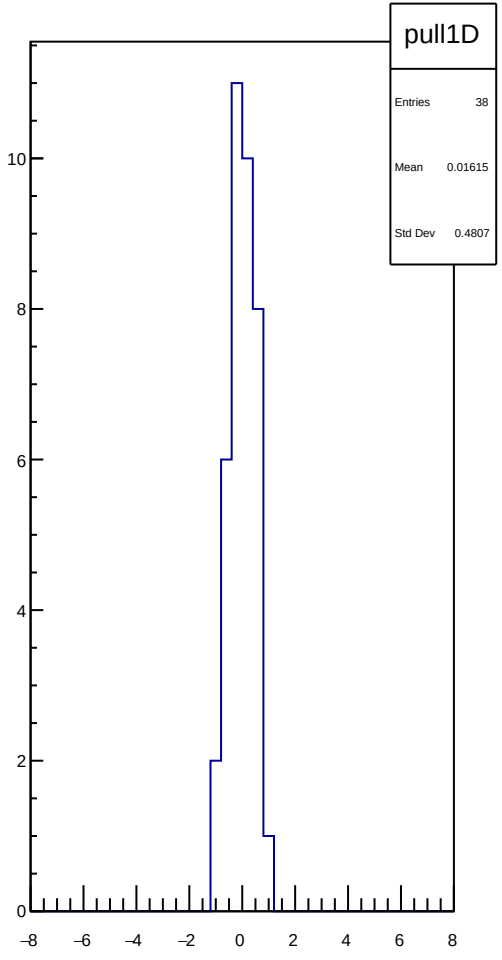

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 24.27 / 37
p0 −0.01405 ± 0.005162
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 2343
Std Dev 2320
1.5
1
0.5
0
−0.5
−1
−1.5

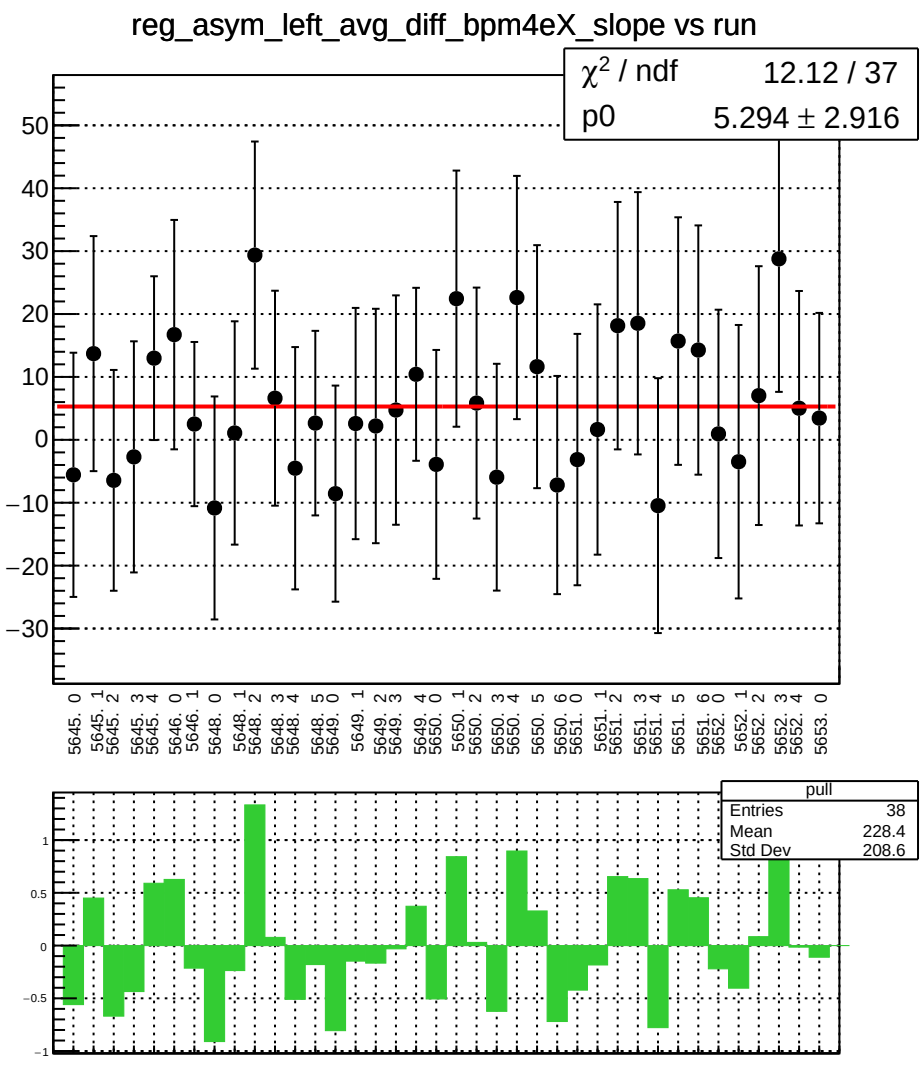

pull1D
Entries 38
Mean 0.0008064
Std Dev 0.7992
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

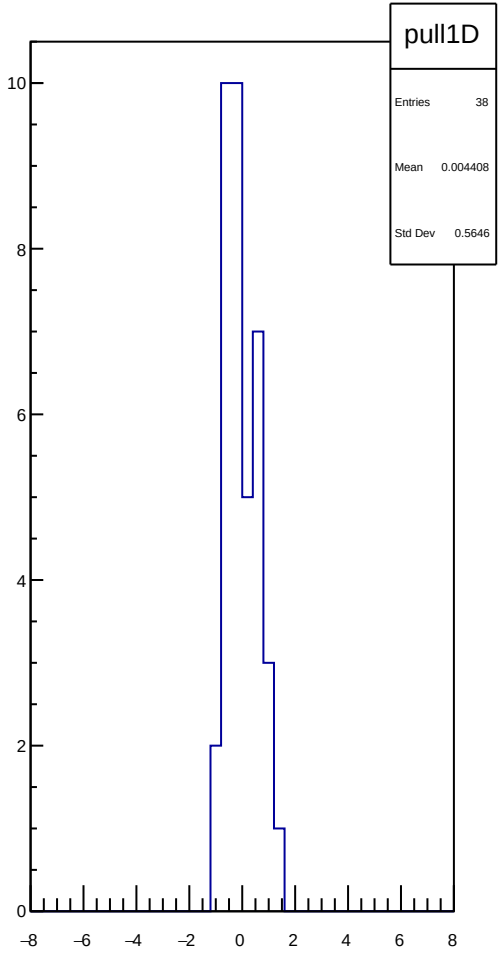

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.03 / 37
p0 −27.67 ± 2.925
pull
Entries 38
Mean 205.7
Std Dev 186.2

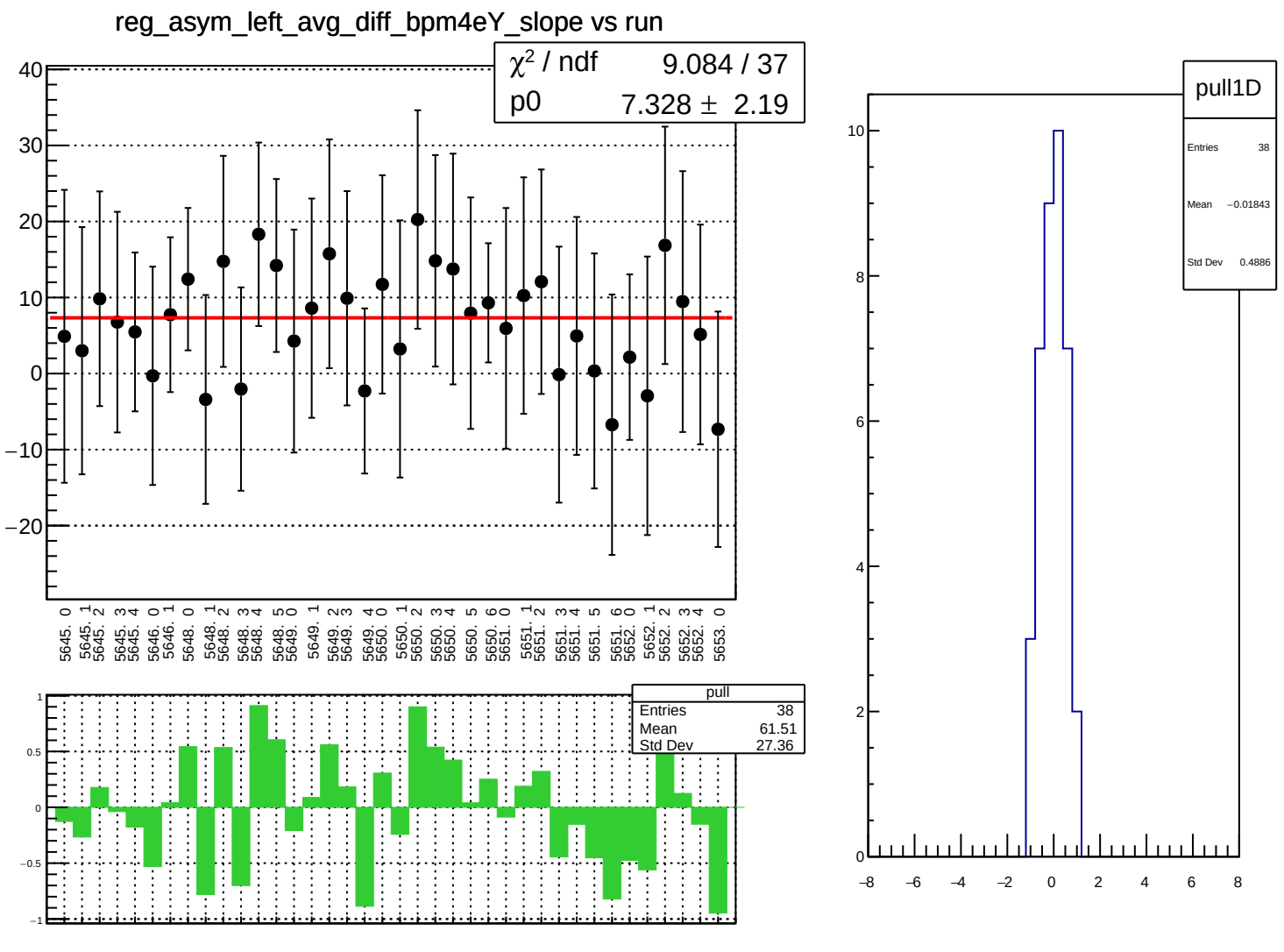

pull1D
Entries 38
Mean −0.005185
Std Dev 0.5625

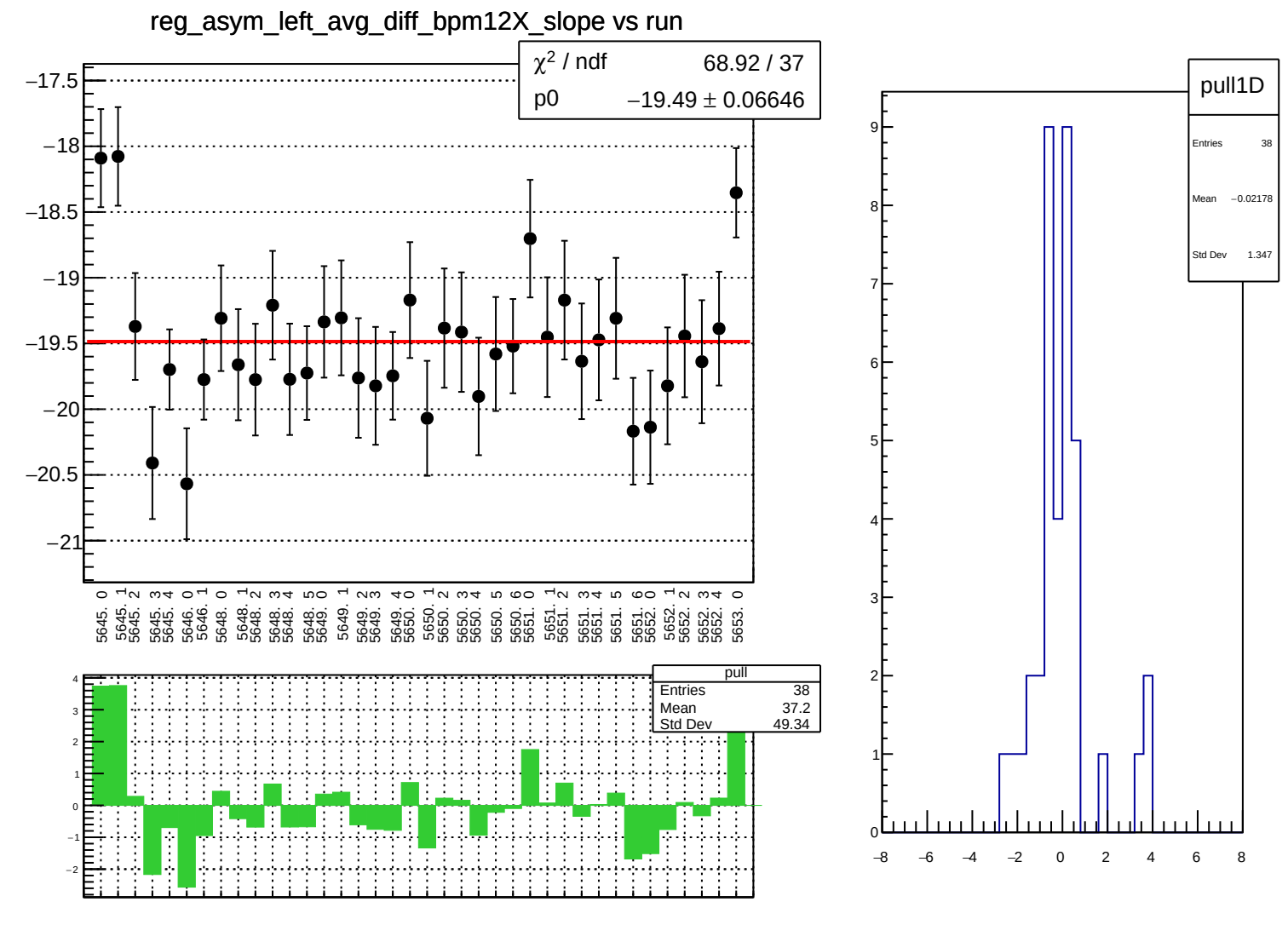

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.791 / 37
p0 1.592 ± 1.738
30
20
10
0
−10
−20
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 48.18
Std Dev 18.76
1
0.5
0
−0.5
−1

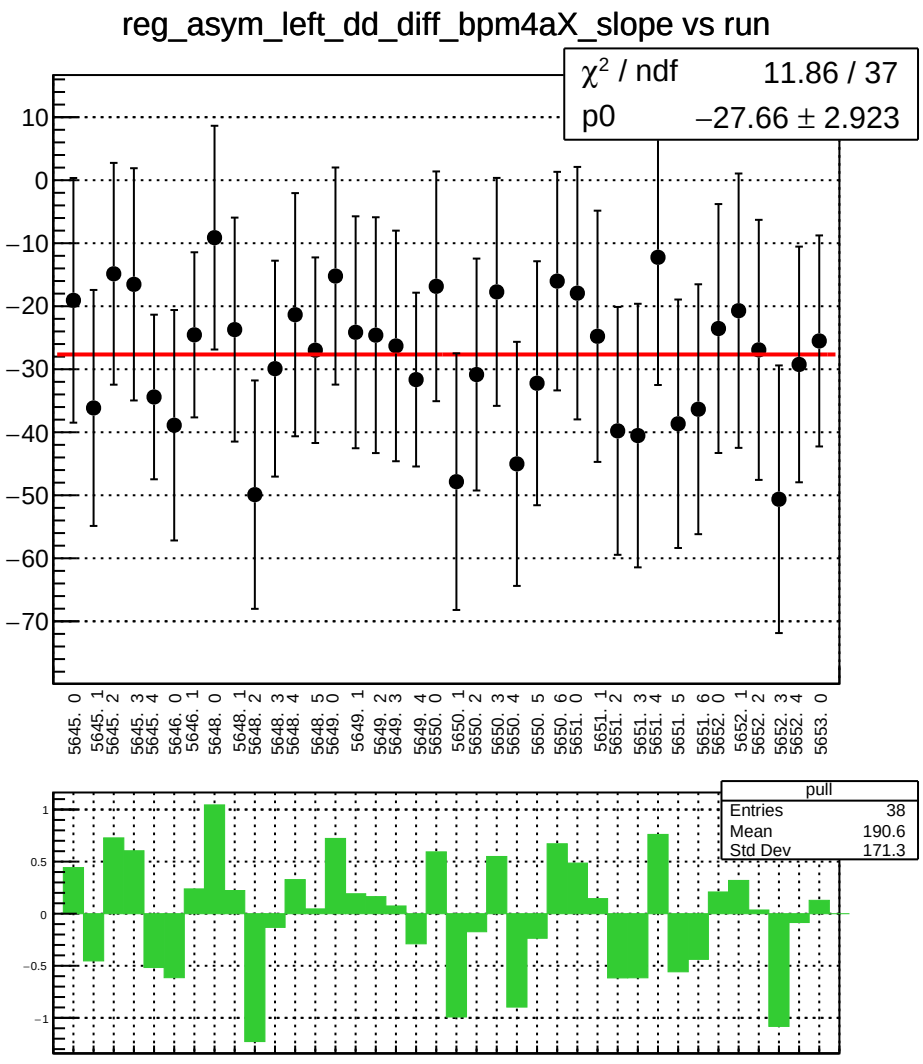

pull1D
Entries 38
Mean 0.01615
Std Dev 0.4807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

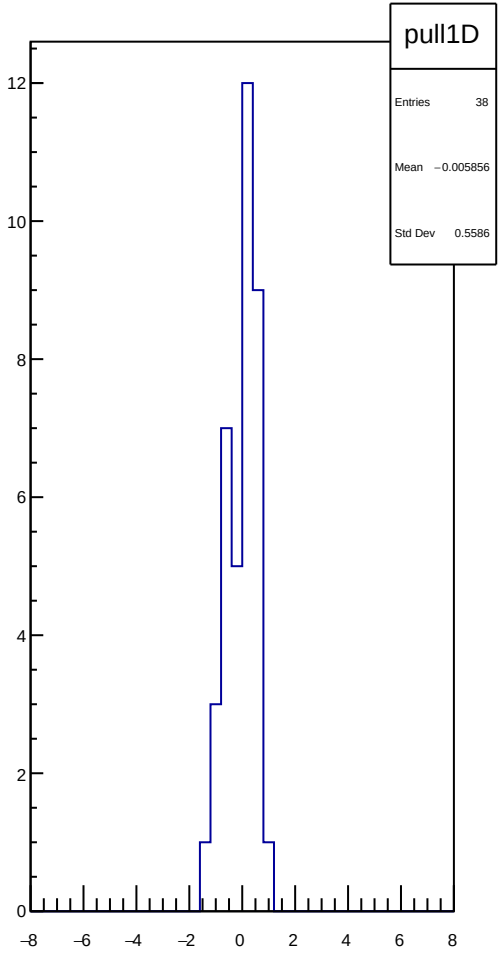

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.12 / 37
p0 5.294 ± 2.916
pull
Entries 38
Mean 228.4
Std Dev 208.6

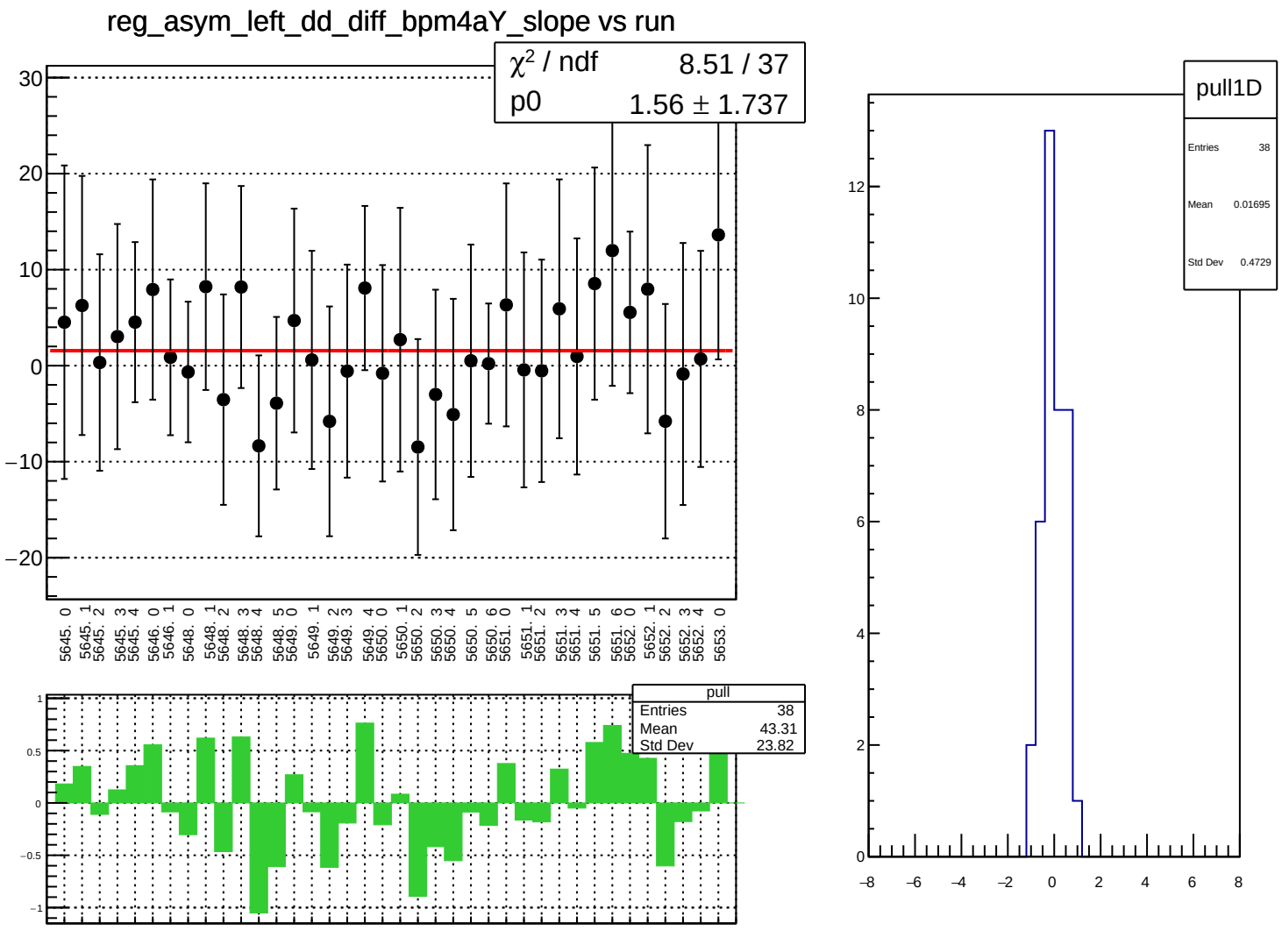

pull1D
Entries 38
Mean 0.004408
Std Dev 0.5646

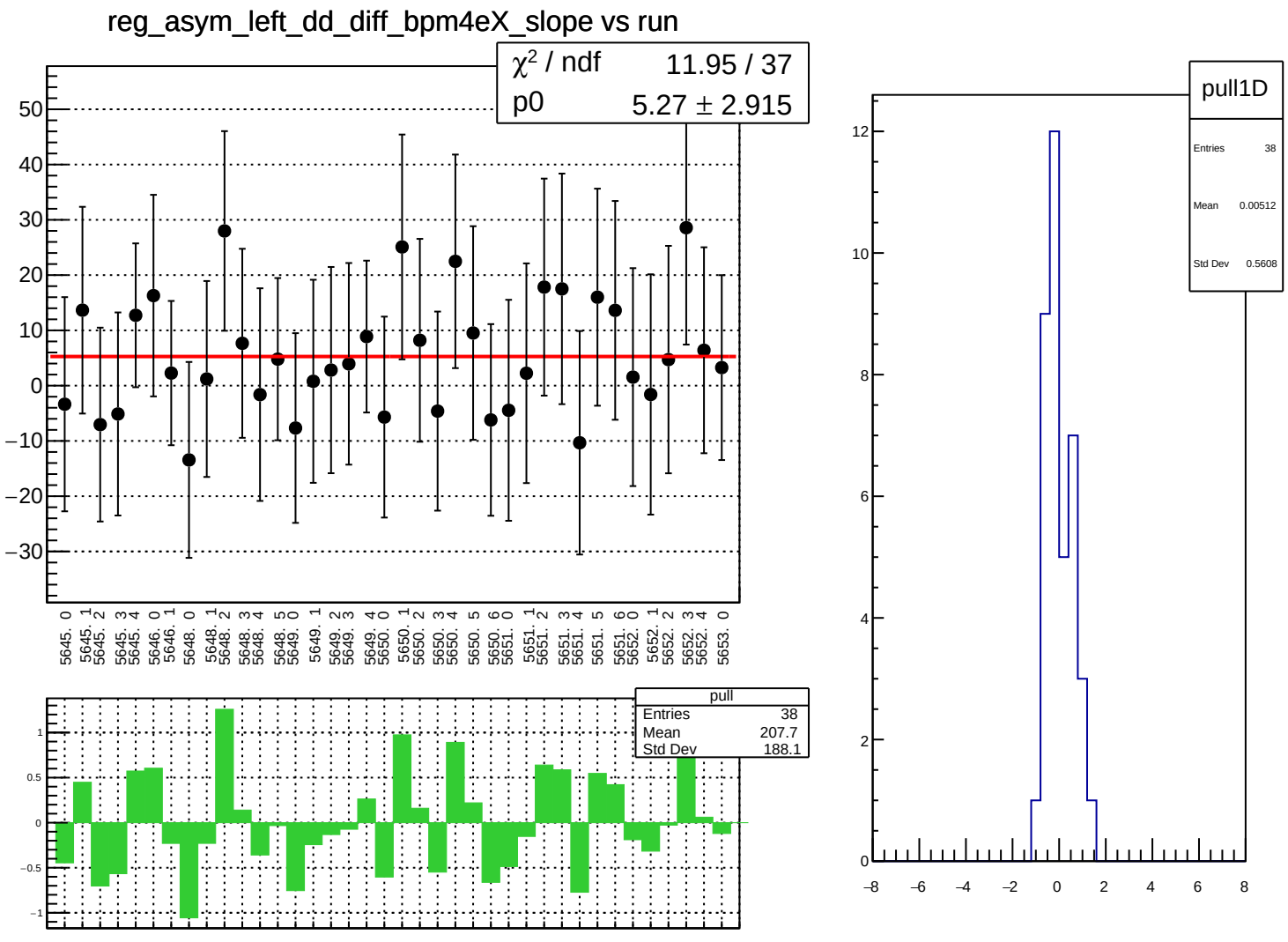

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.084 / 37
p0 7.328 ± 2.19
pull
Entries 38
Mean 61.51
Std Dev 27.36
pull1D
Entries 38
Mean −0.01843
Std Dev 0.4886

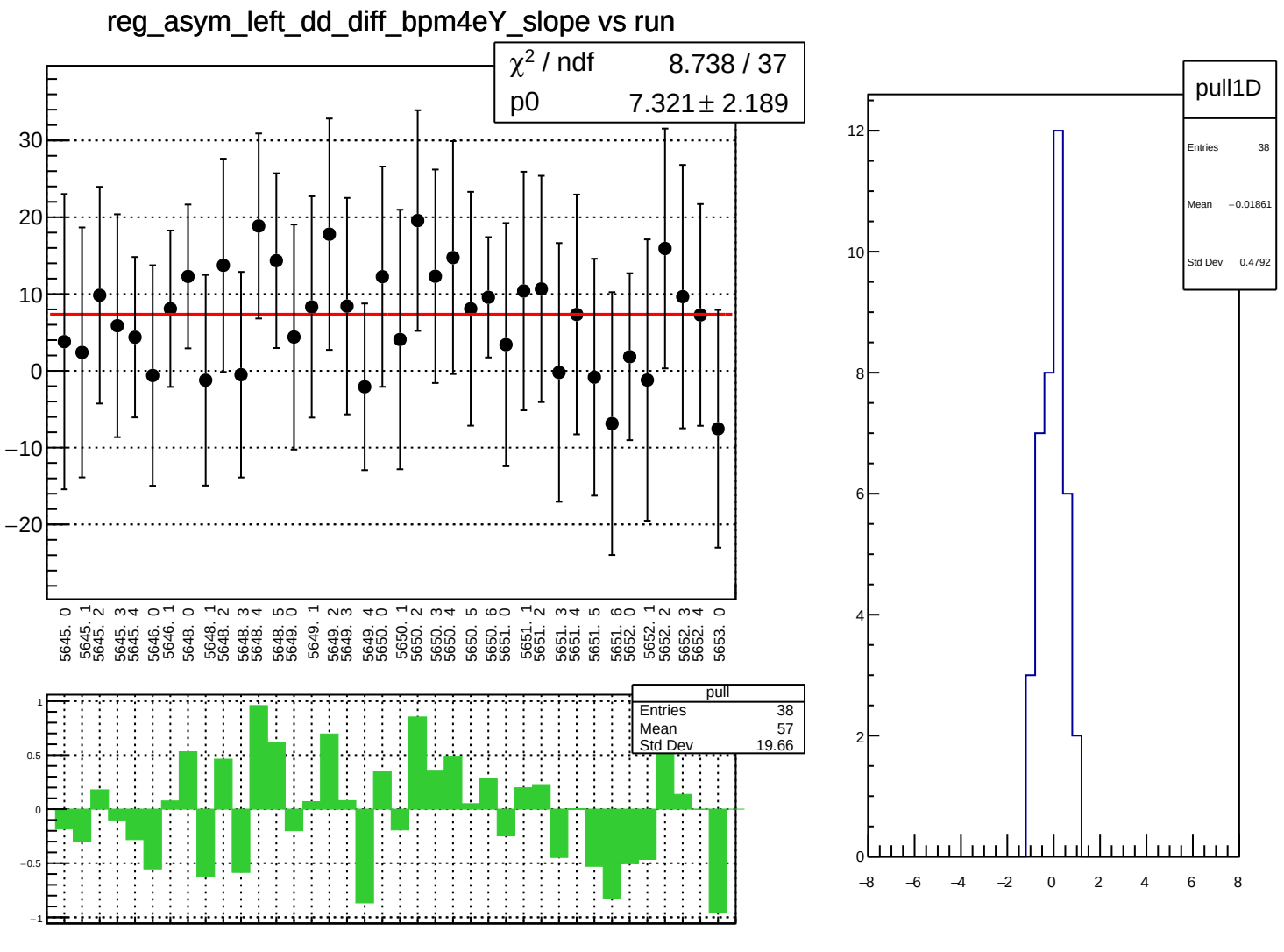

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 68.92 / 37
p0 −19.49 ± 0.06646
pull
Entries 38
Mean 37.2
Std Dev 49.34
pull1D
Entries 38
Mean −0.02178
Std Dev 1.347

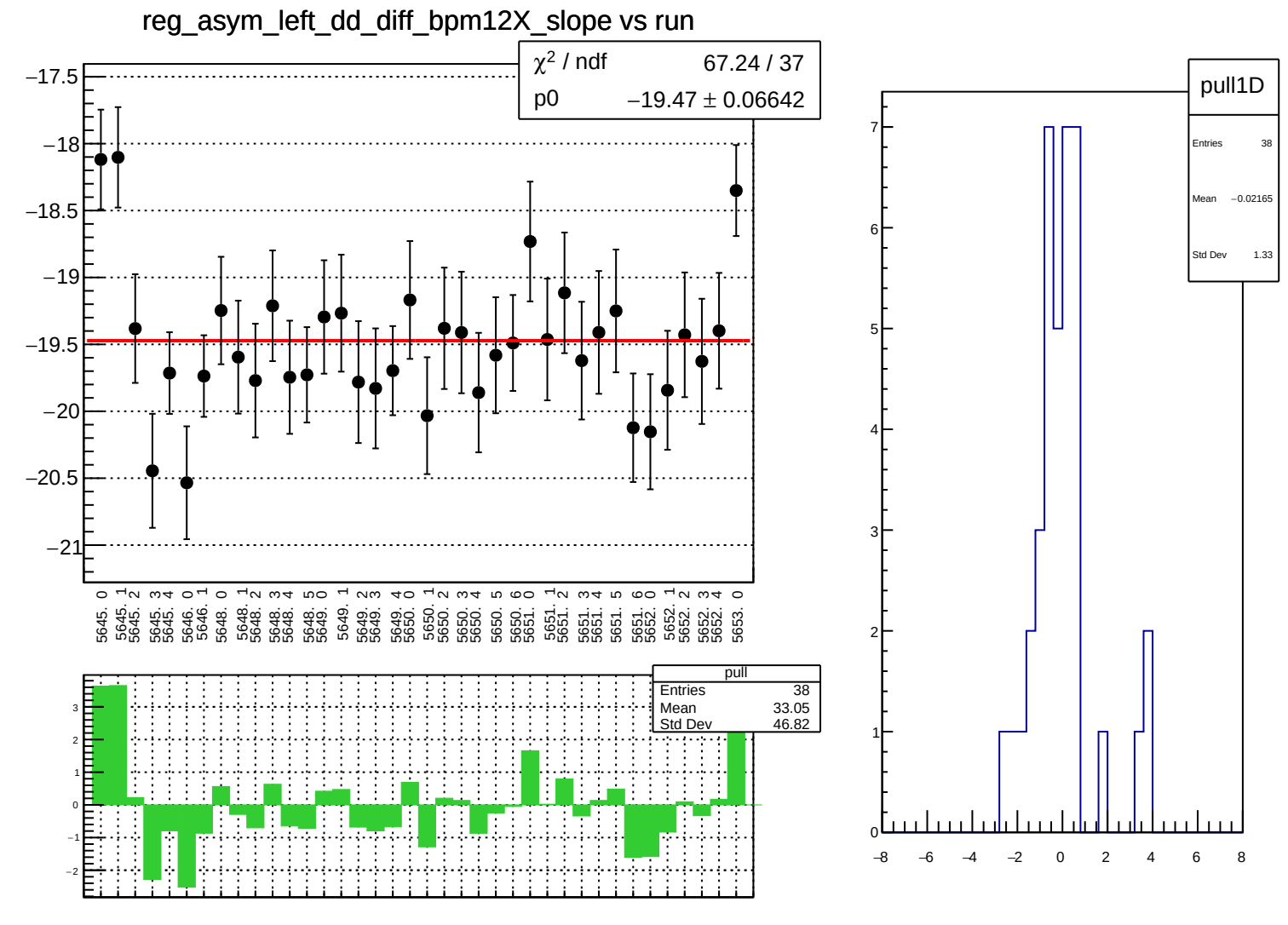

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.86 / 37
p0 −27.66 ± 2.923
pull
Entries 38
Mean 190.6
Std Dev 171.3

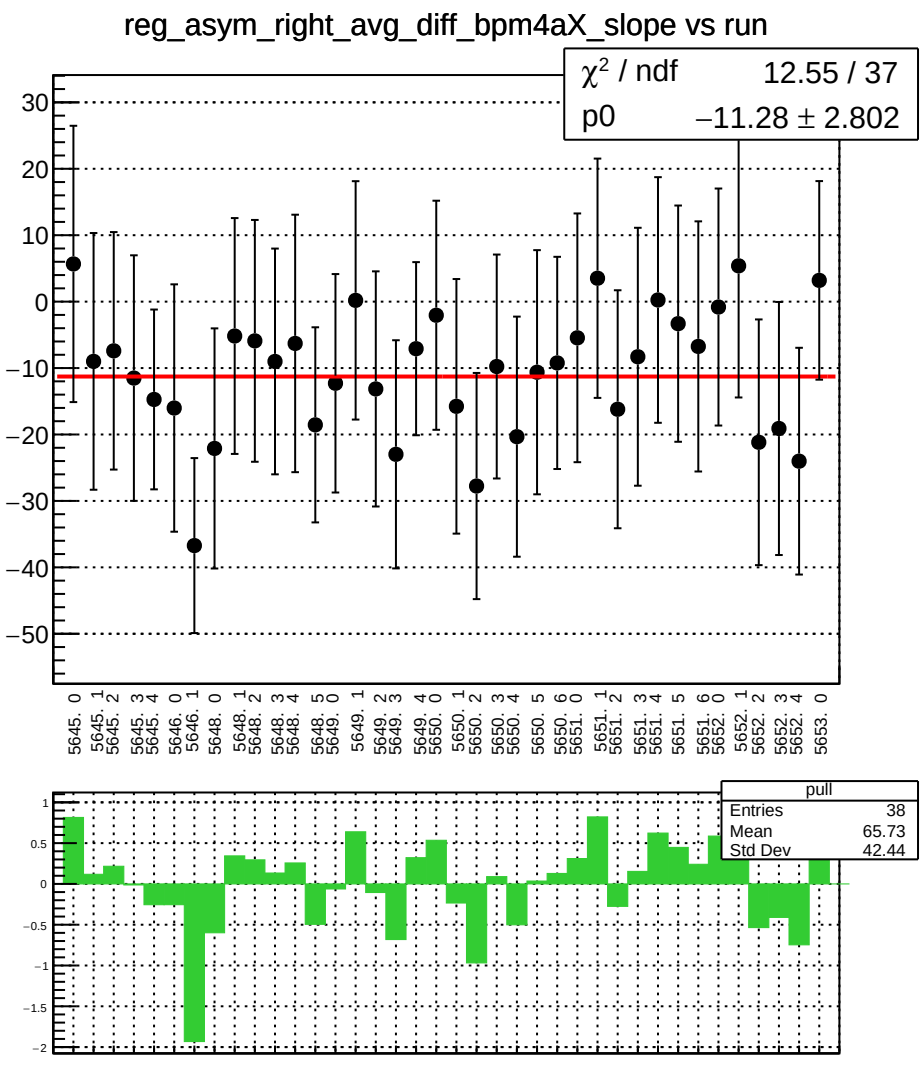

pull1D
Entries 38
Mean −0.005856
Std Dev 0.5586

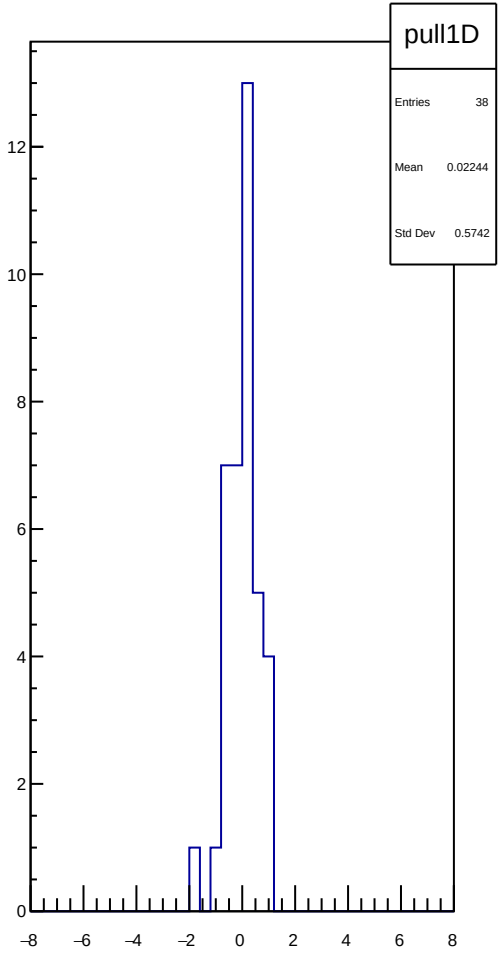

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.51 / 37
p0 1.56 ± 1.737
pull
Entries 38
Mean 43.31
Std Dev 23.82
pull1D
Entries 38
Mean 0.01695
Std Dev 0.4729

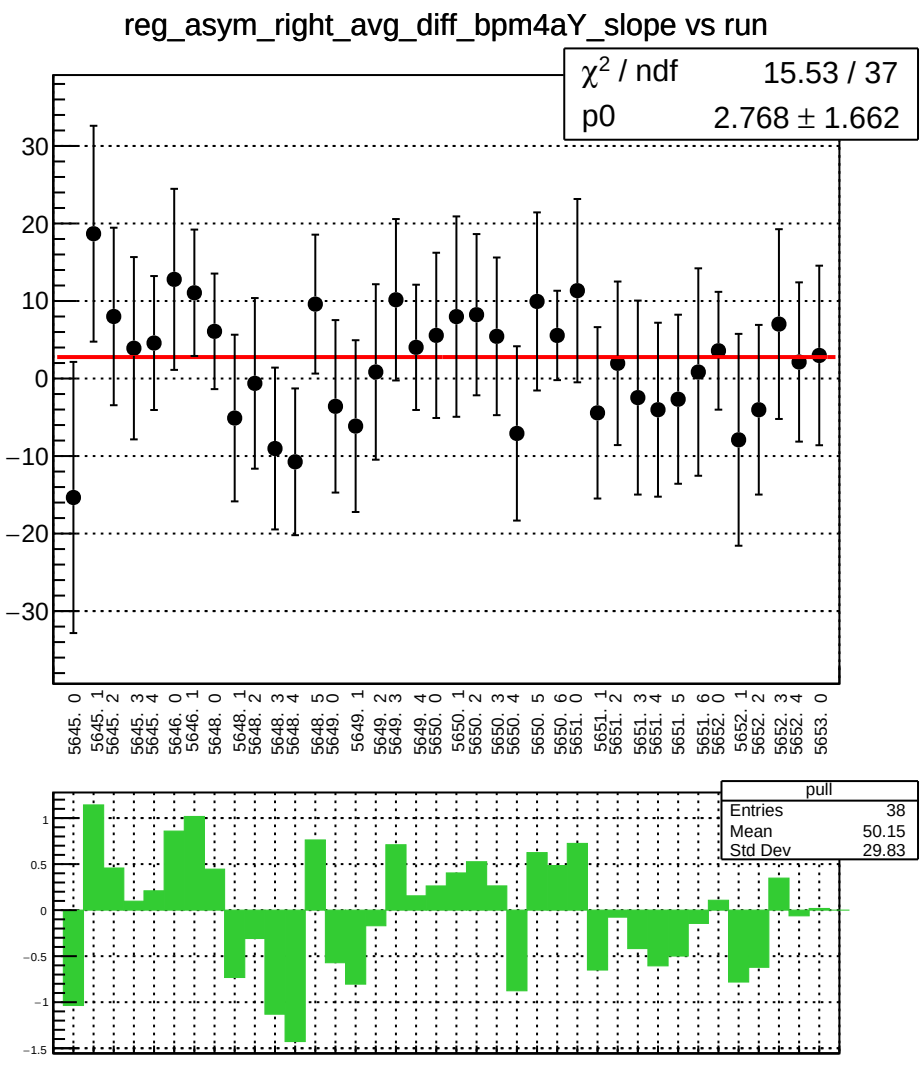

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.95 / 37
p0 5.27 ± 2.915
pull
Entries 38
Mean 207.7
Std Dev 188.1
pull1D
Entries 38
Mean 0.00512
Std Dev 0.5608

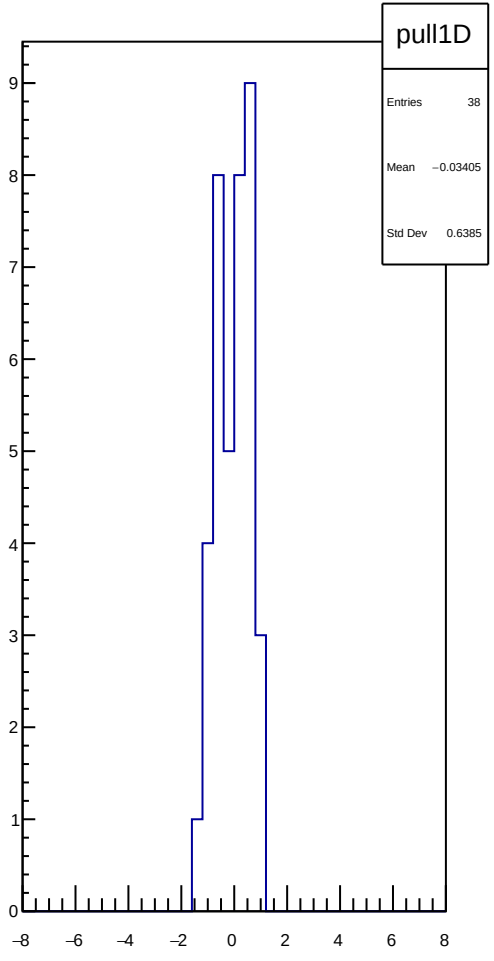

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.738 / 37
p0 7.321 ± 2.189
pull
Entries 38
Mean 57
Std Dev 19.66
pull1D
Entries 38
Mean −0.01861
Std Dev 0.4792

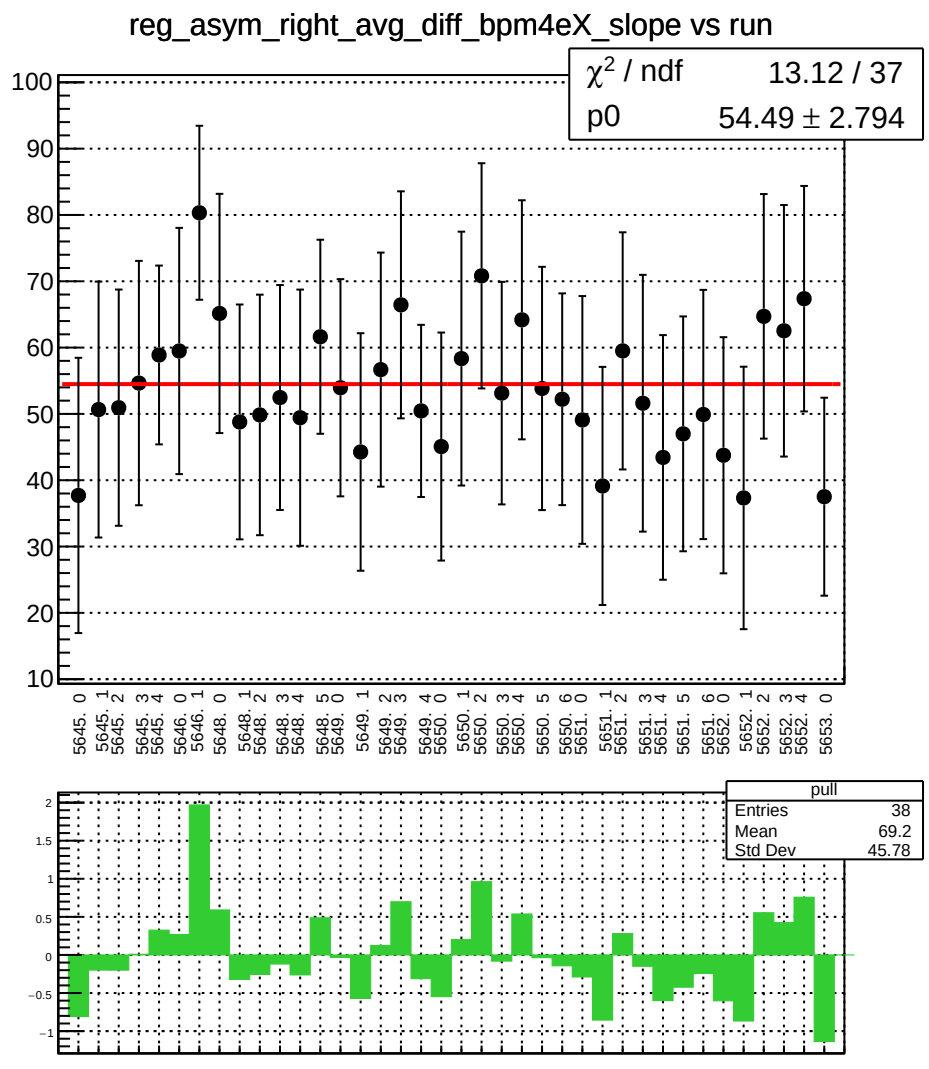

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 67.24 / 37
p0 −19.47 ± 0.06642
pull
Entries 38
Mean 33.05
Std Dev 46.82
pull1D
Entries 38
Mean −0.02165
Std Dev 1.33

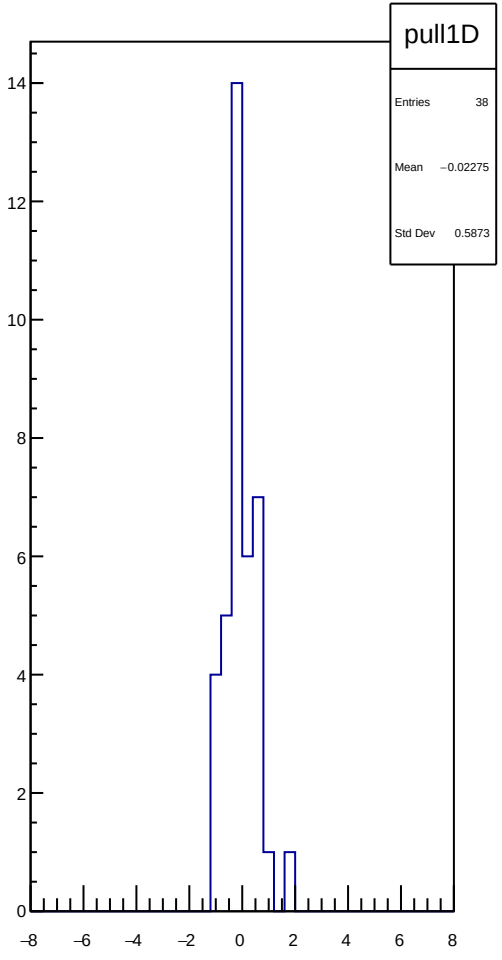

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.55 / 37
p0 −11.28 ± 2.802
pull
Entries 38
Mean 65.73
Std Dev 42.44

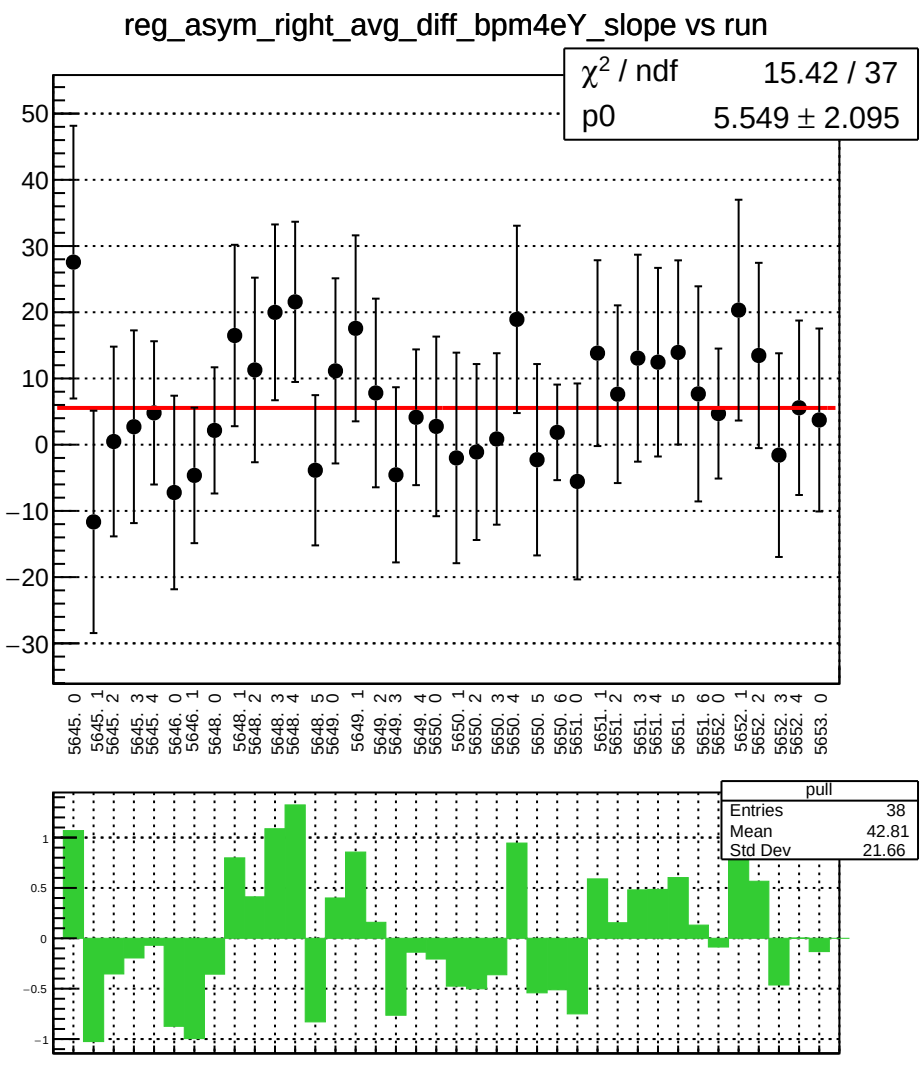

pull1D
Entries 38
Mean 0.02244
Std Dev 0.5742

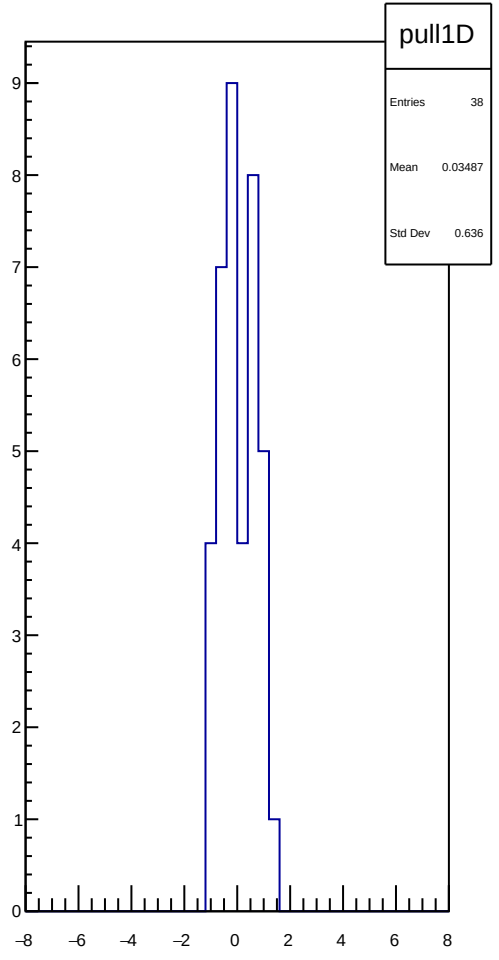

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.53 / 37
p0 2.768 ± 1.662
pull
Entries 38
Mean 50.15
Std Dev 29.83

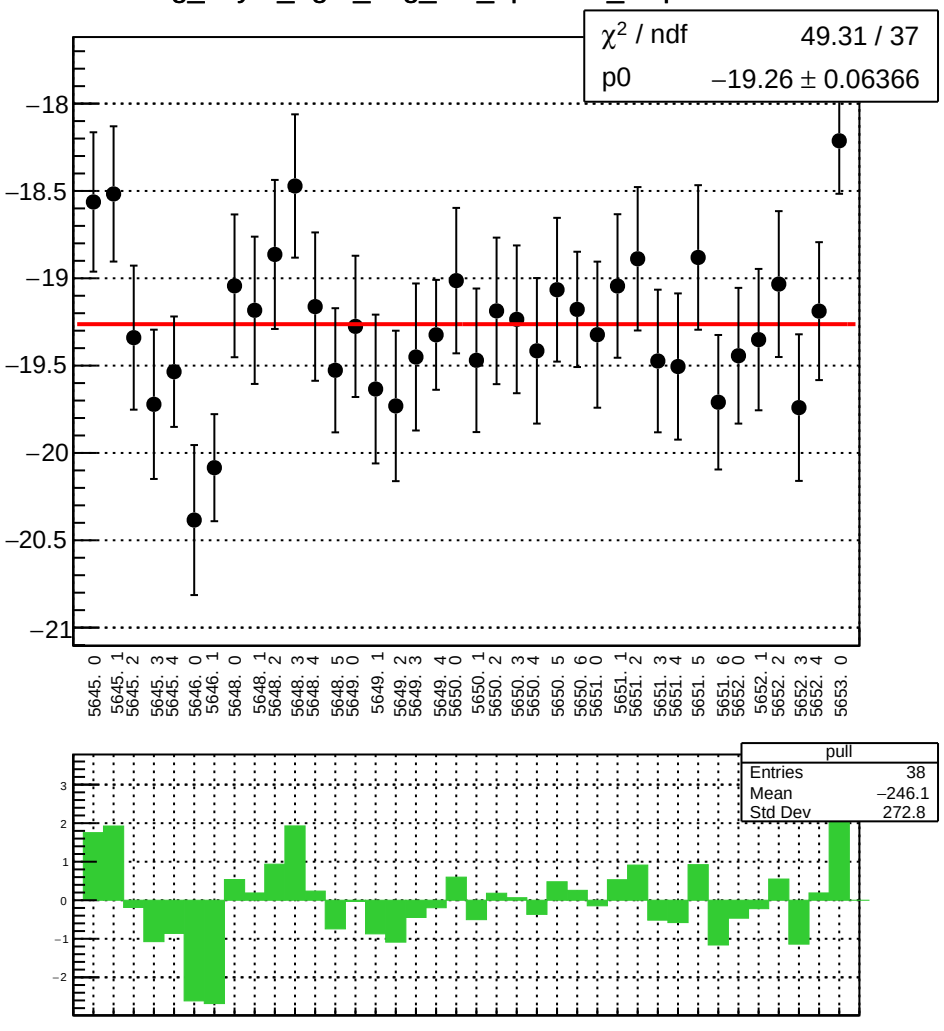

pull1D
Entries 38
Mean −0.03405
Std Dev 0.6385

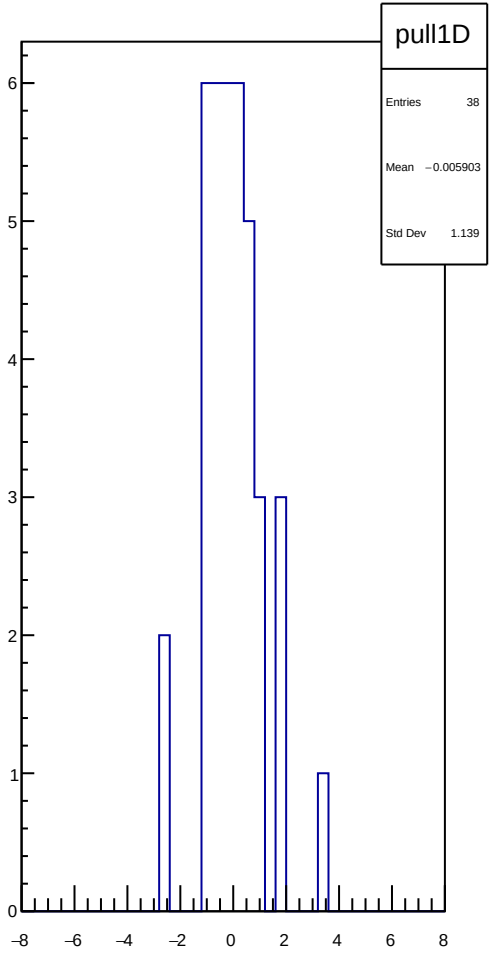

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.12 / 37
p0 54.49 ± 2.794
pull
Entries 38
Mean 69.2
Std Dev 45.78

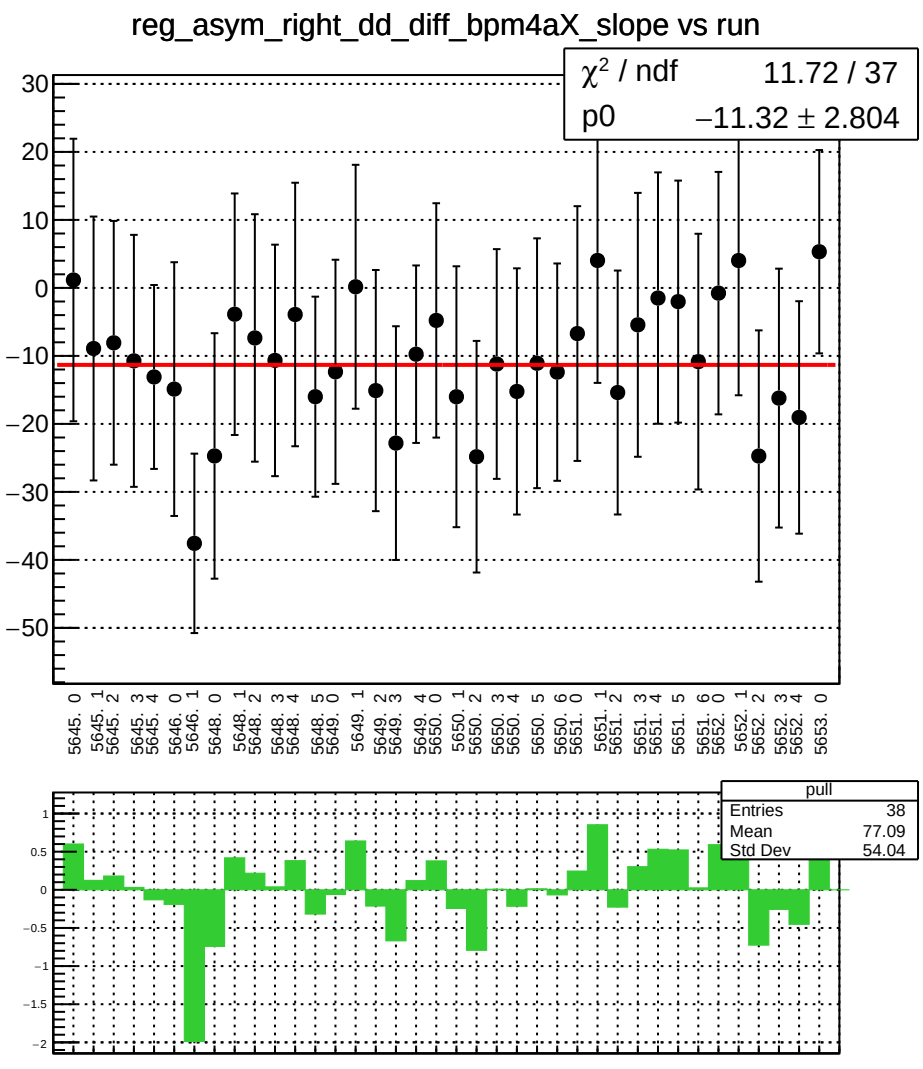

pull1D
Entries 38
Mean −0.02275
Std Dev 0.5873

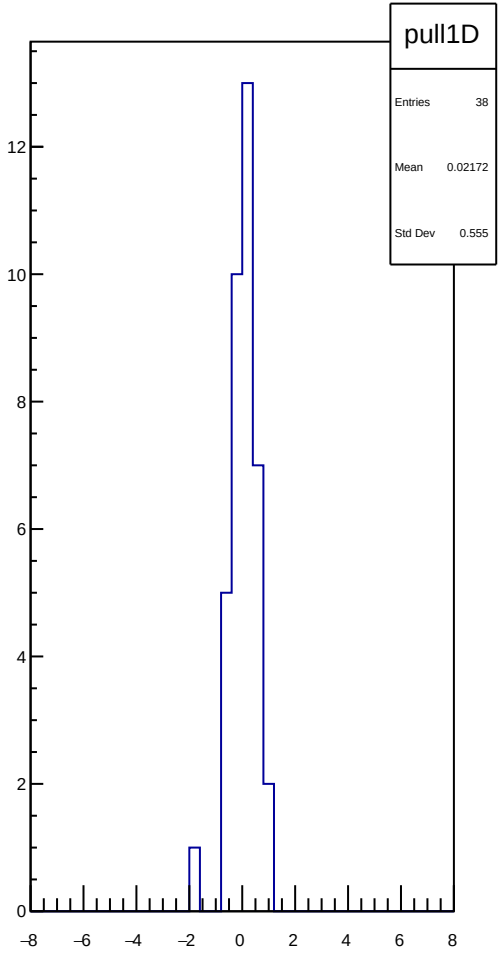

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.42 / 37
p0 5.549 ± 2.095
pull
Entries 38
Mean 42.81
Std Dev 21.66

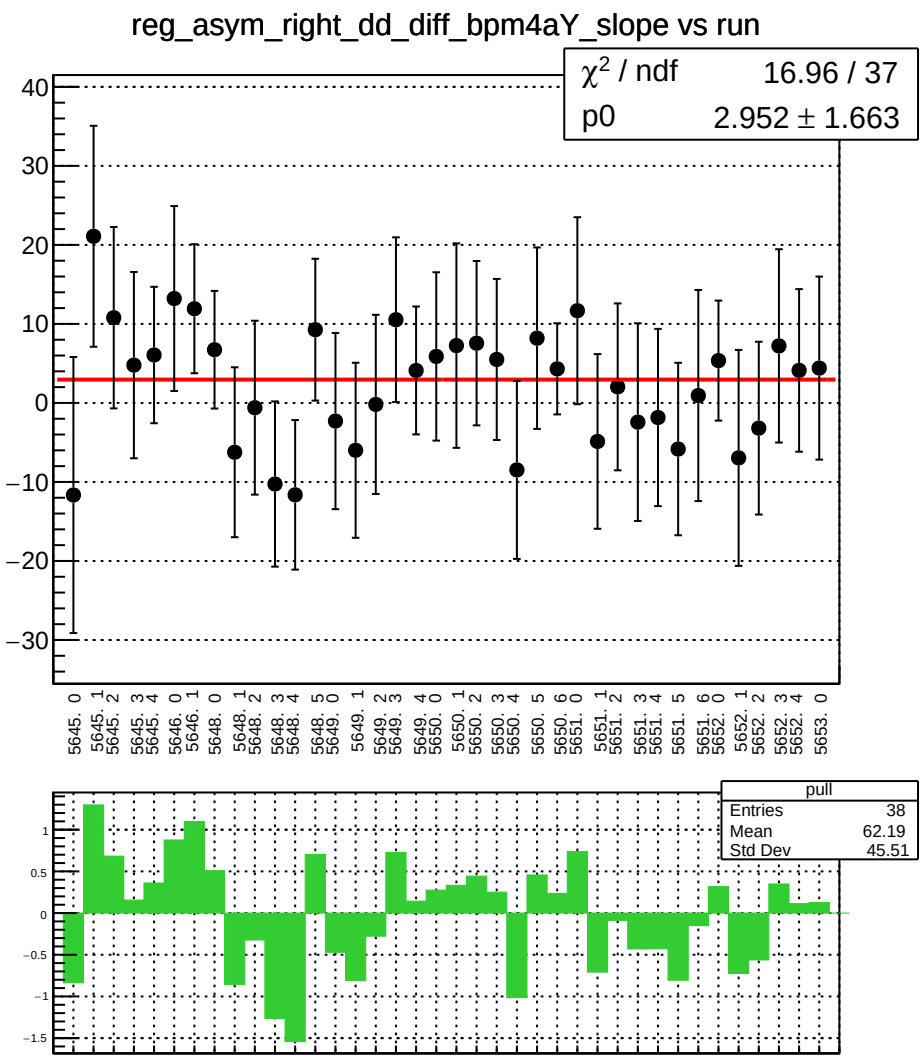

pull1D
Entries 38
Mean 0.03487
Std Dev 0.636

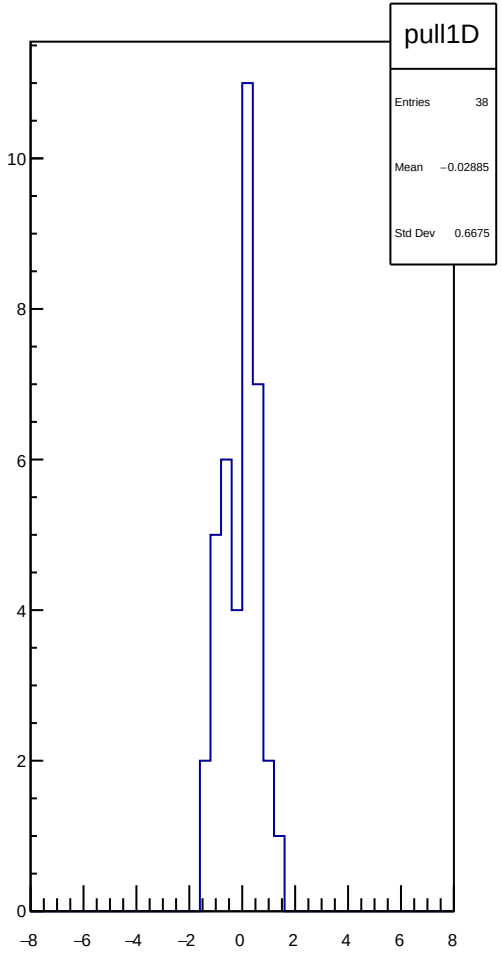

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 49.31 / 37
p0 −19.26 ± 0.06366
pull
Entries 38
Mean −246.1
Std Dev 272.8

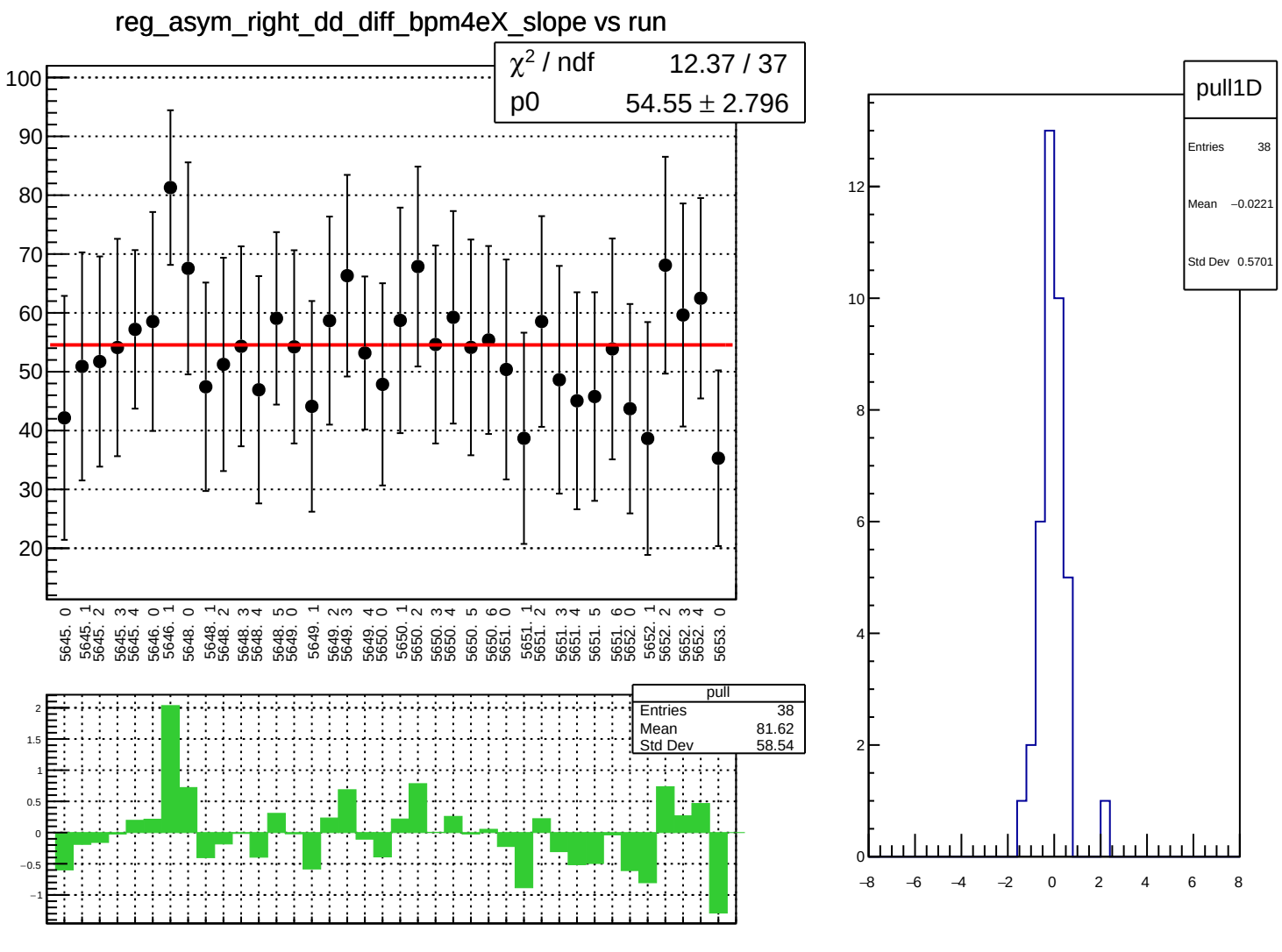

pull1D
Entries 38
Mean −0.005903
Std Dev 1.139

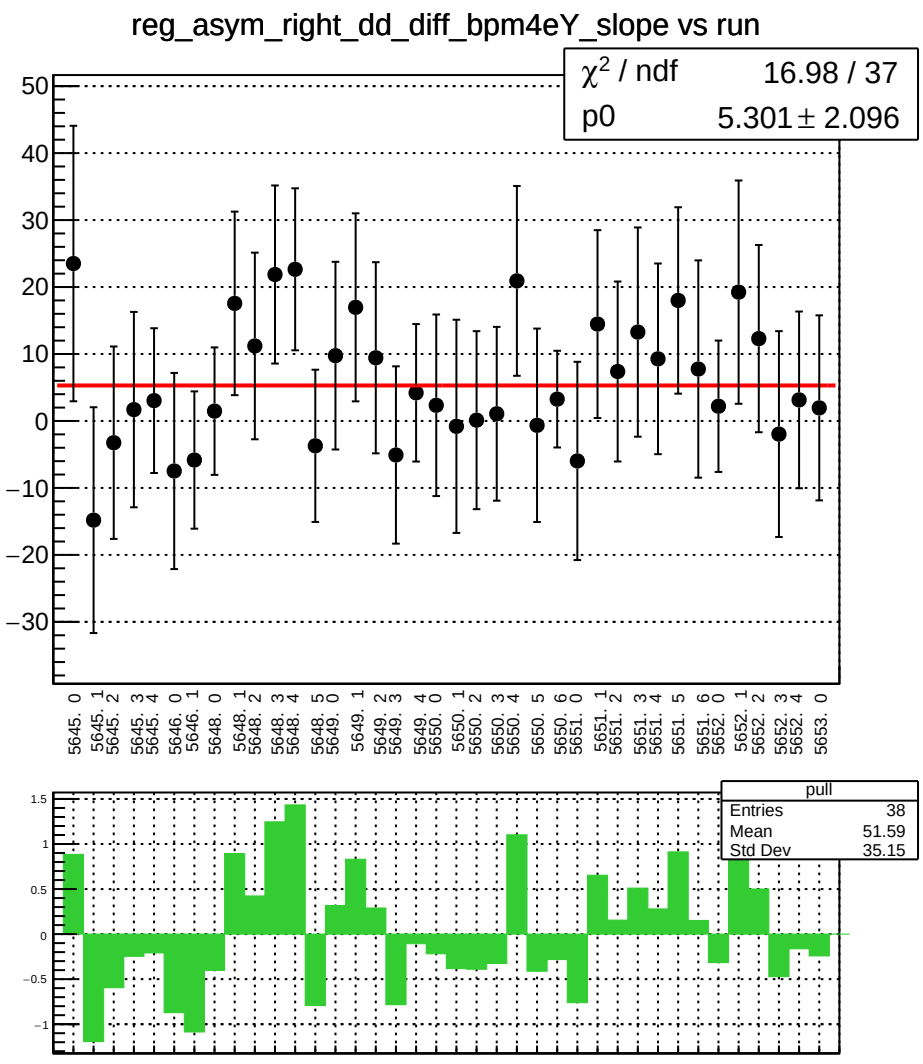

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.72 / 37
p0 −11.32 ± 2.804
pull
Entries 38
Mean 77.09
Std Dev 54.04

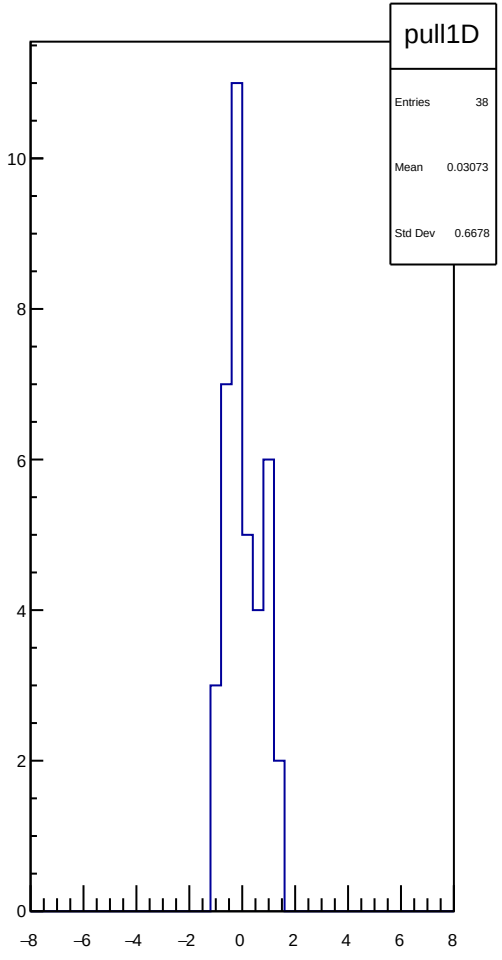

pull1D
Entries 38
Mean 0.02172
Std Dev 0.555

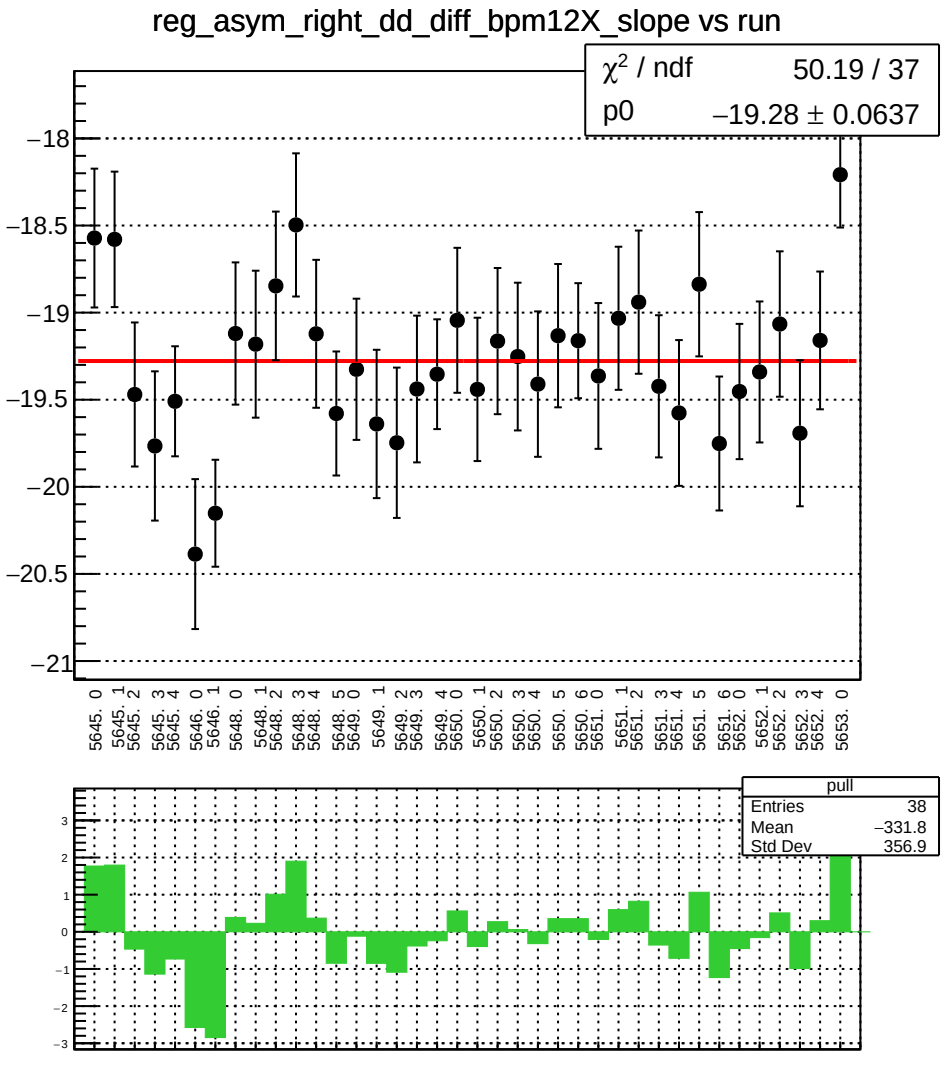

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.96 / 37
p0 2.952 ± 1.663
pull
Entries 38
Mean 62.19
Std Dev 45.51

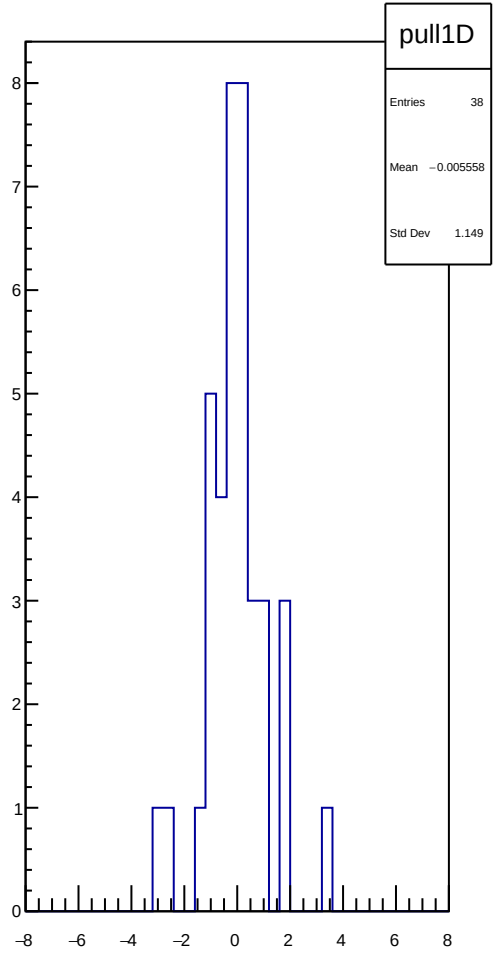

pull1D
Entries 38
Mean −0.02885
Std Dev 0.6675

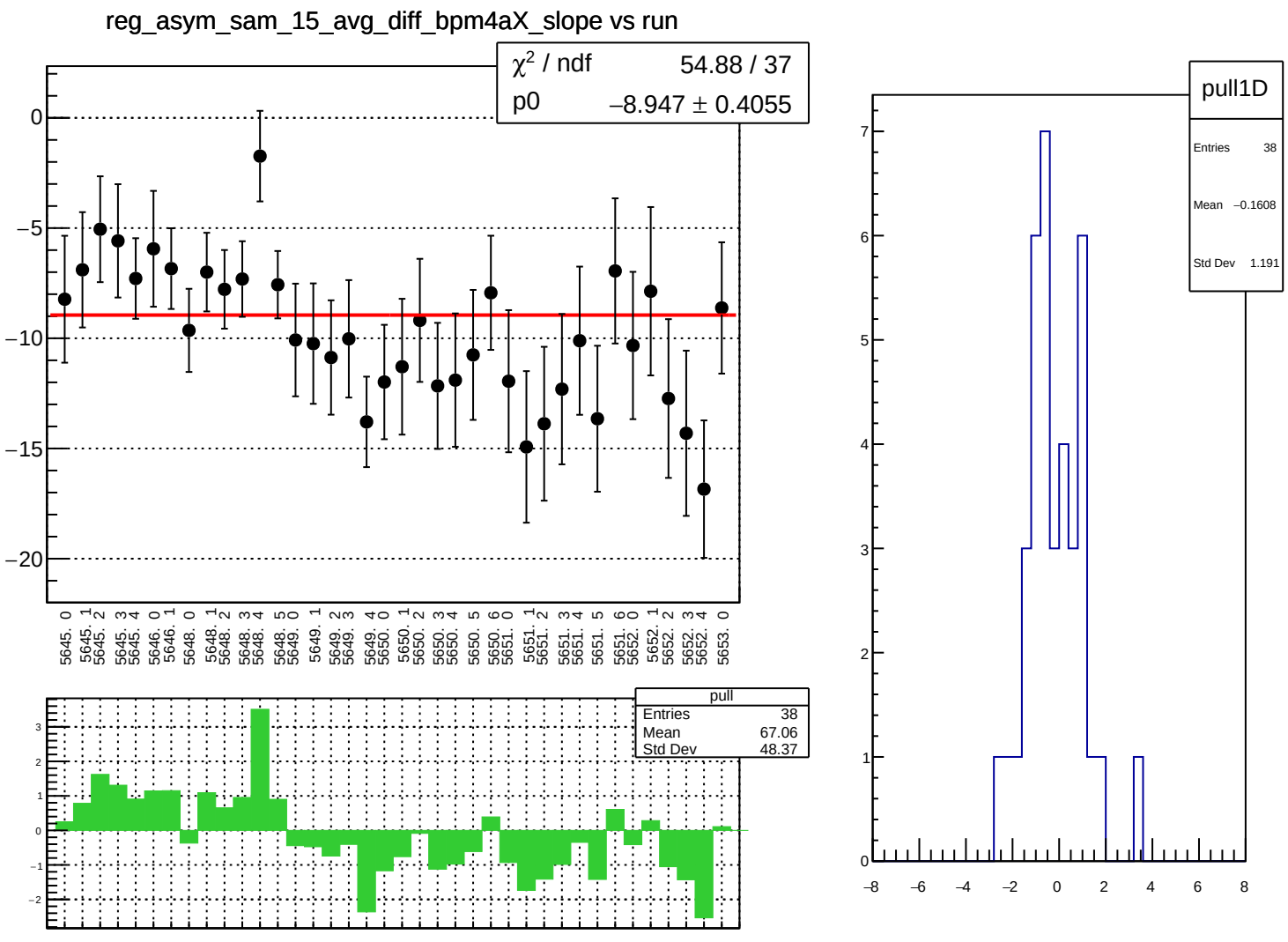

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.37 / 37
p0 54.55 ± 2.796
pull
Entries 38
Mean 81.62
Std Dev 58.54
pull1D
Entries 38
Mean −0.0221
Std Dev 0.5701

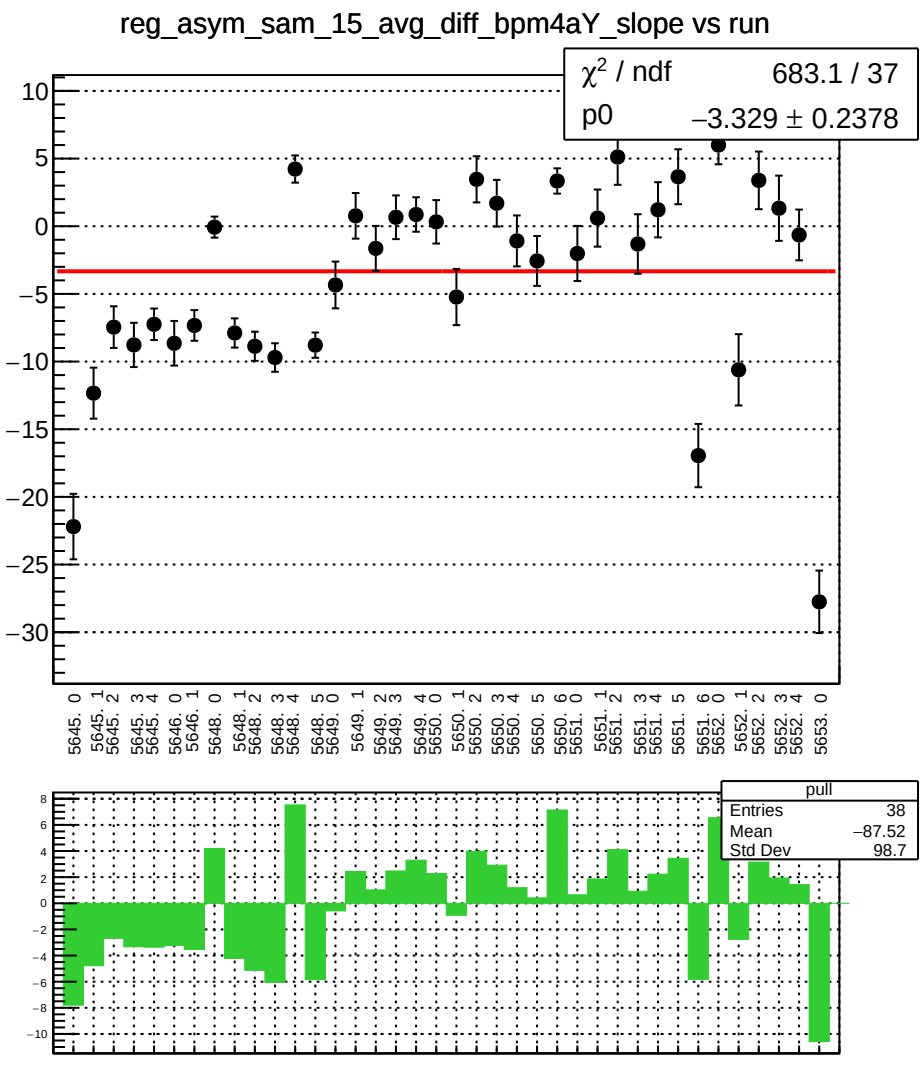

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.98 / 37
p0 5.301 ± 2.096
pull
Entries 38
Mean 51.59
Std Dev 35.15

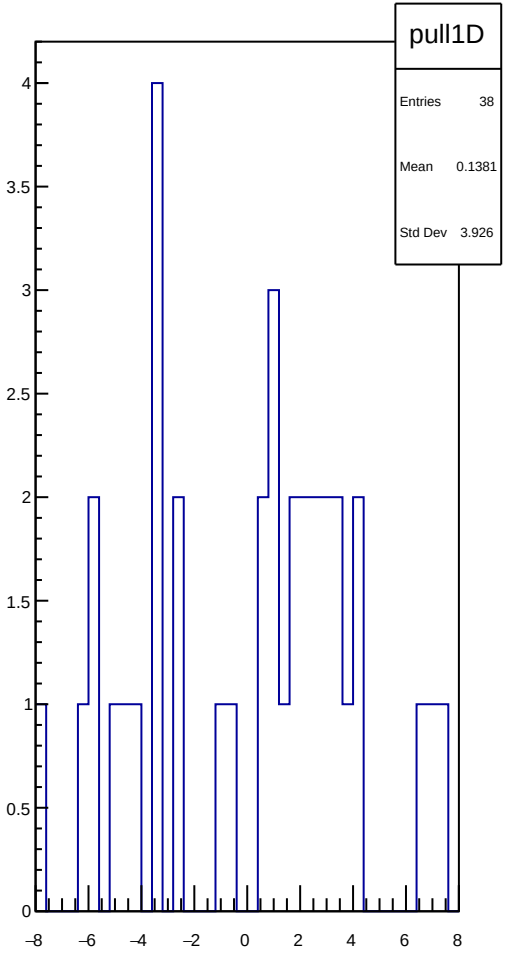

pull1D
Entries 38
Mean 0.03073
Std Dev 0.6678

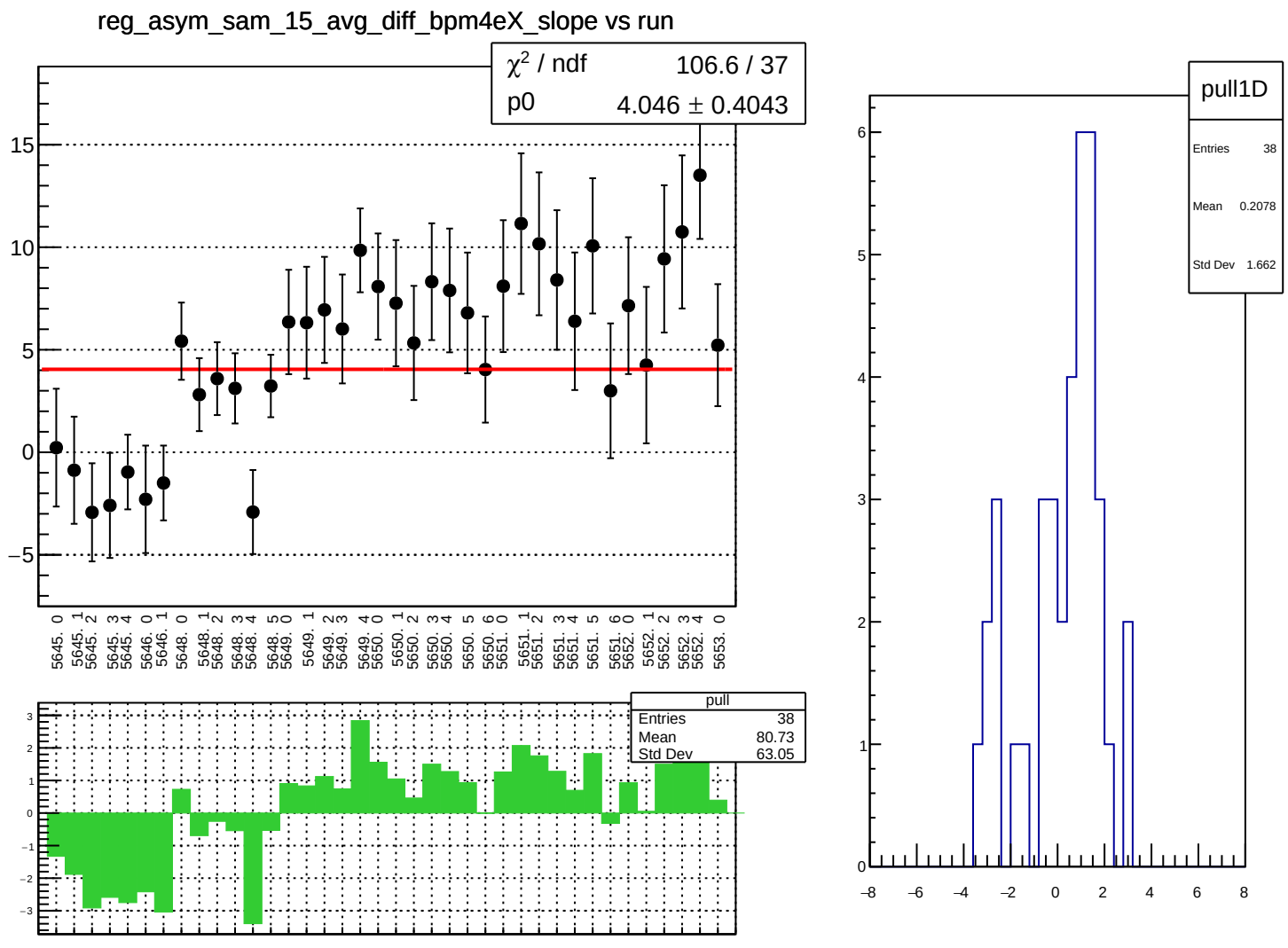

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 50.19 / 37
p0 −19.28 ± 0.0637
pull
Entries 38
Mean −331.8
Std Dev 356.9

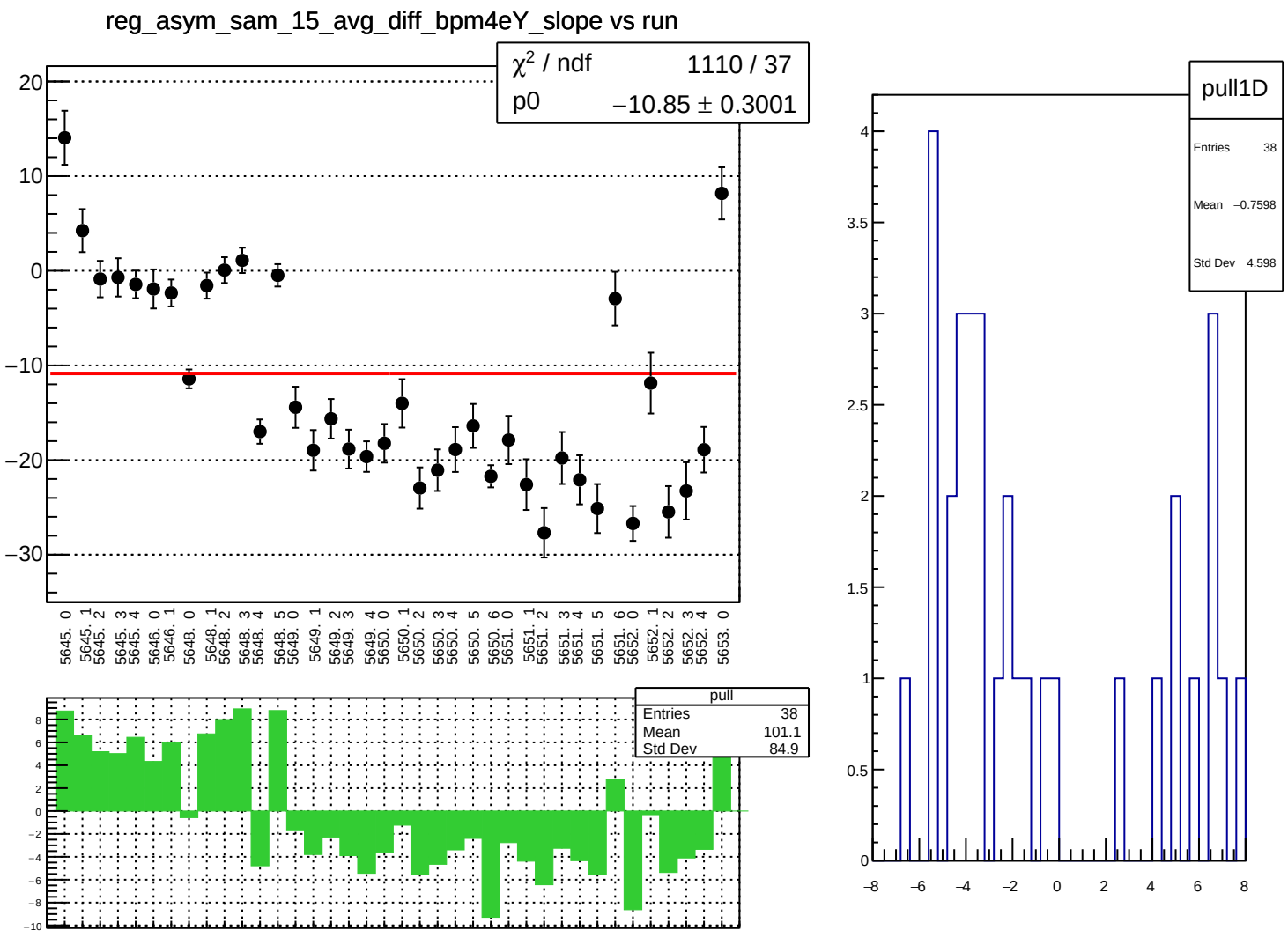

pull1D
Entries 38
Mean −0.005558
Std Dev 1.149

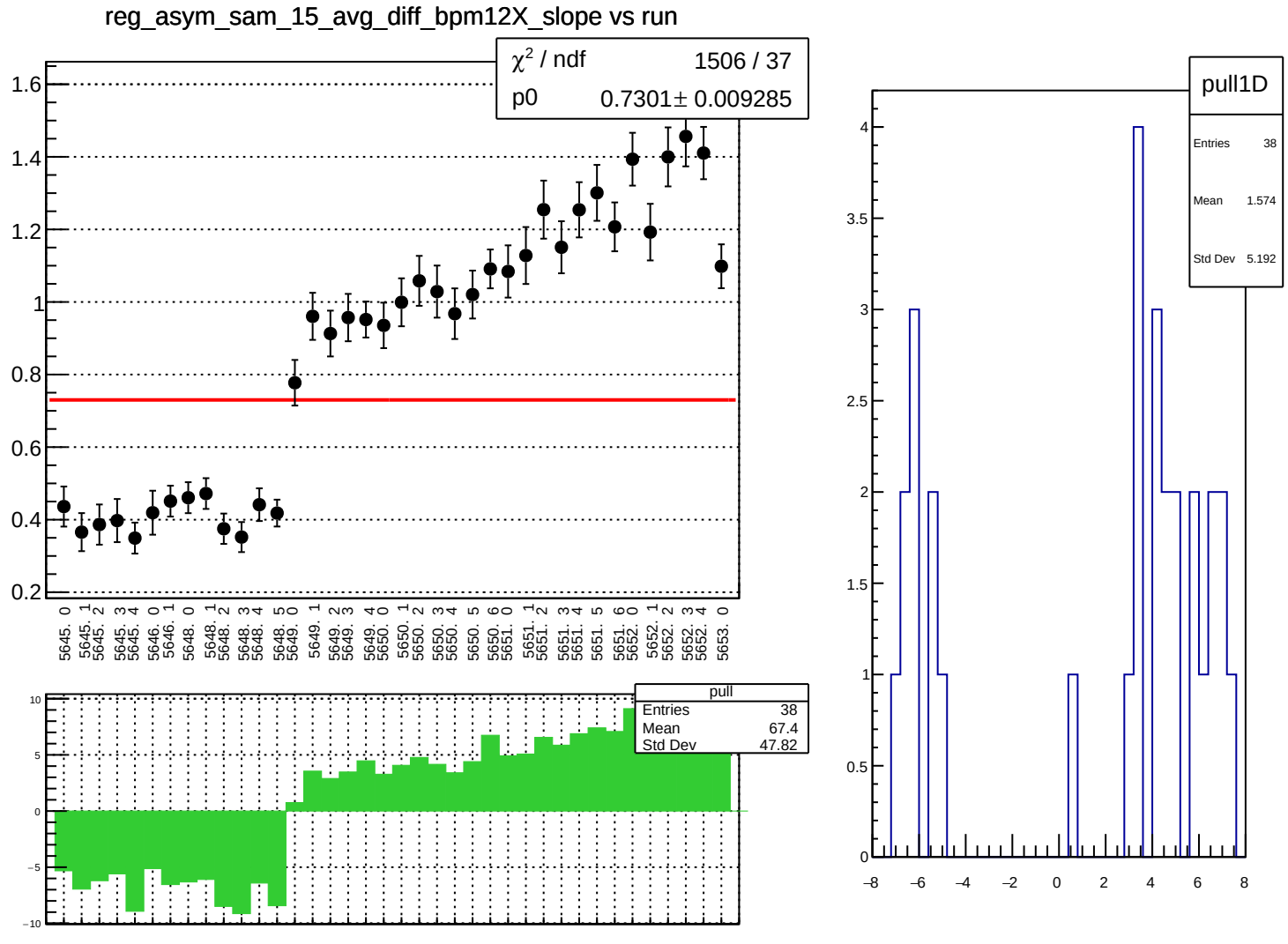

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.88 / 37
p0 −8.947 ± 0.4055
0
−5
−10
−15
−20
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 67.06
Std Dev 48.37
3
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.1608
Std Dev 1.191
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

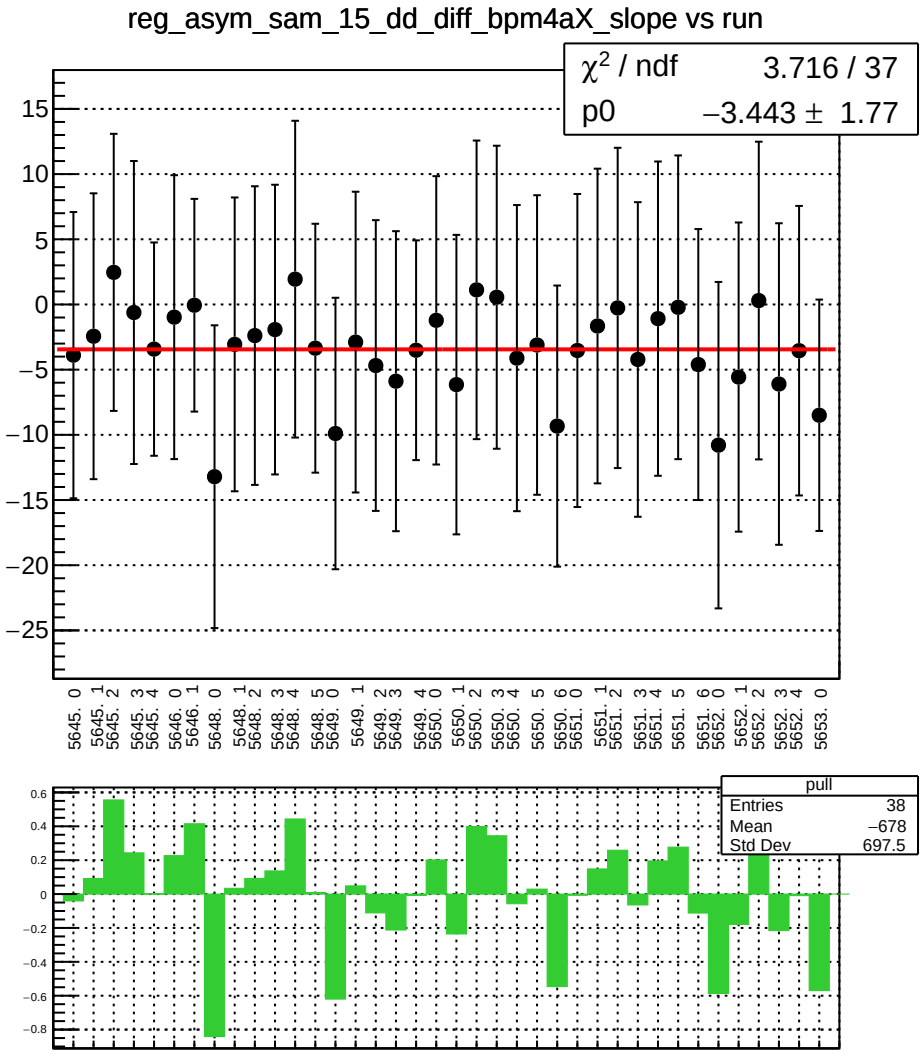

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 683.1 / 37
p0 −3.329 ± 0.2378
10
5
0
−5
−10
−15
−20
−25
−30
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −87.52
Std Dev 98.7
8
6
4
2
0
−2
−4
−6
−8
−10

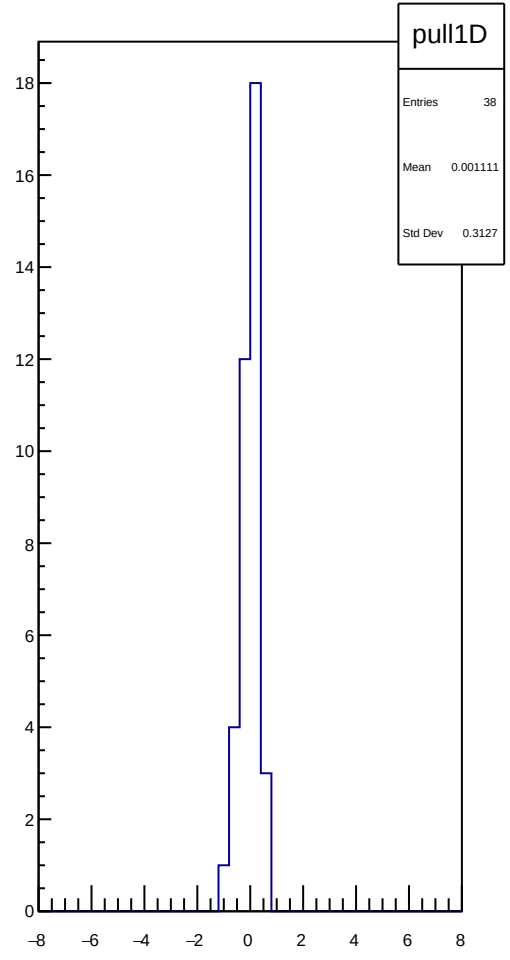

pull1D
Entries 38
Mean 0.1381
Std Dev 3.926
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

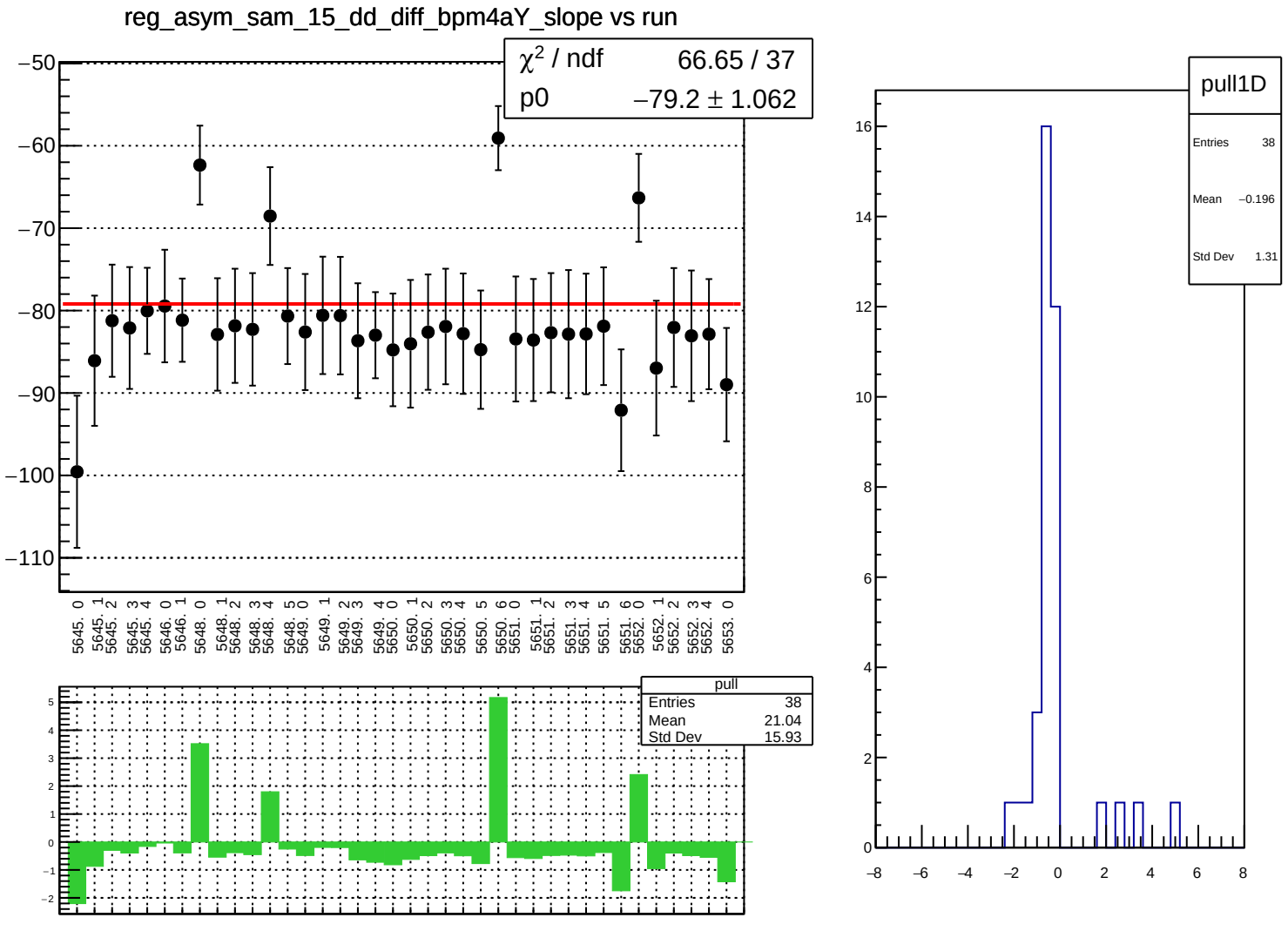

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 106.6 / 37
p0 4.046 ± 0.4043
15
10
5
0
−5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 80.73
Std Dev 63.05
3
2
1
0
−1
−2
−3
pull1D
Entries 38
Mean 0.2078
Std Dev 1.662
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

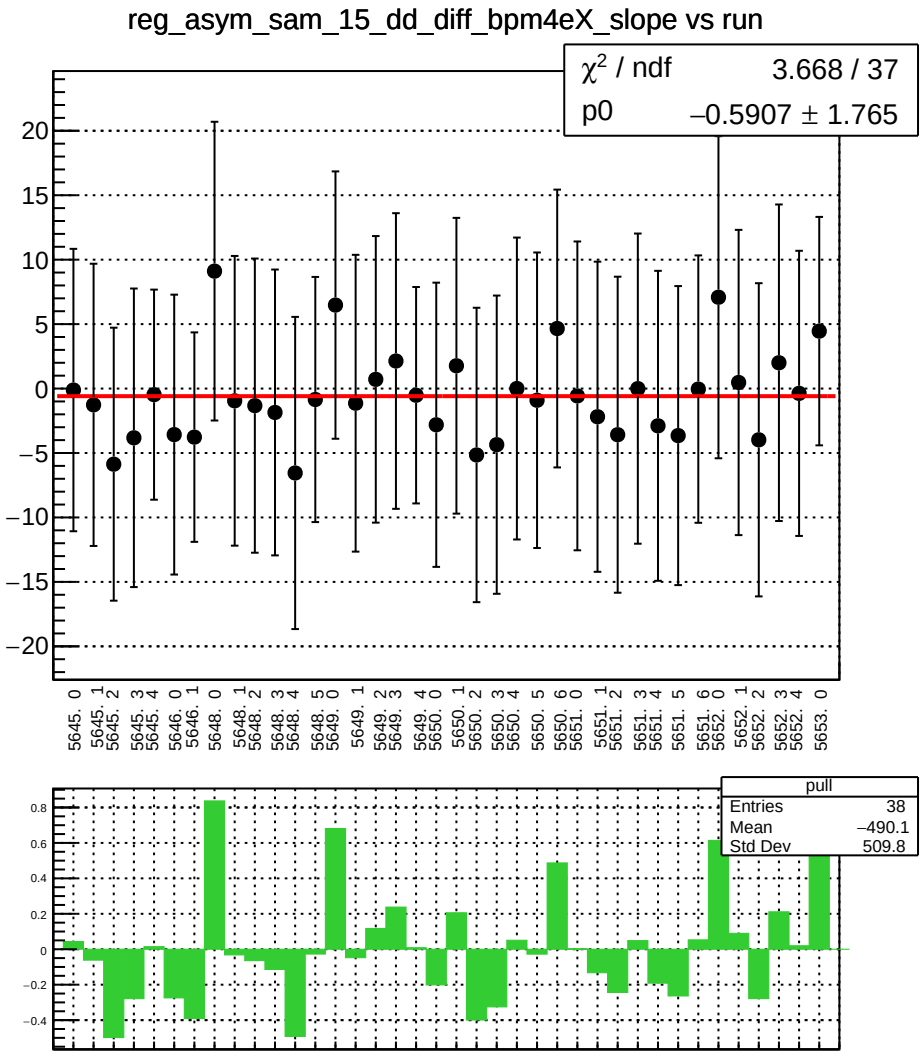

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 1110 / 37
p0 −10.85 ± 0.3001
pull
Entries 38
Mean 101.1
Std Dev 84.9
pull1D
Entries 38
Mean −0.7598
Std Dev 4.598

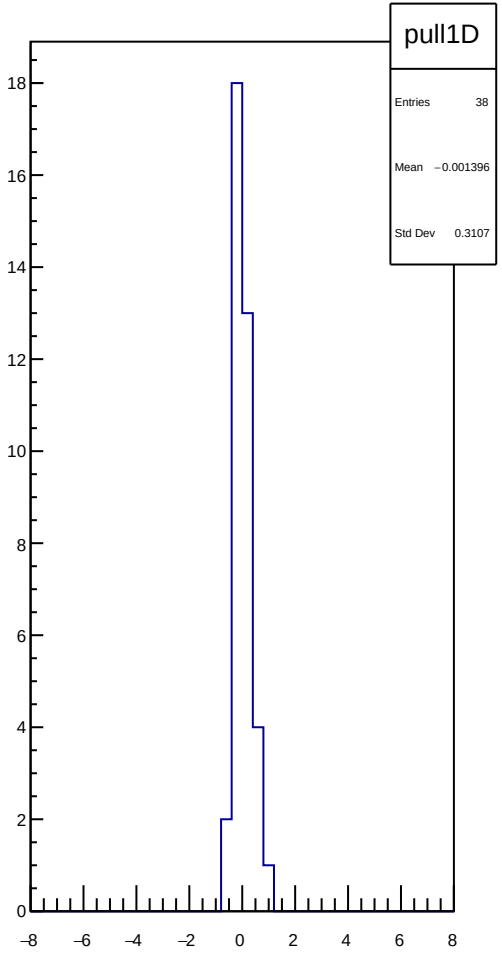

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 1506 / 37
p0 0.7301± 0.009285
pull
Entries 38
Mean 67.4
Std Dev 47.82
pull1D
Entries 38
Mean 1.574
Std Dev 5.192

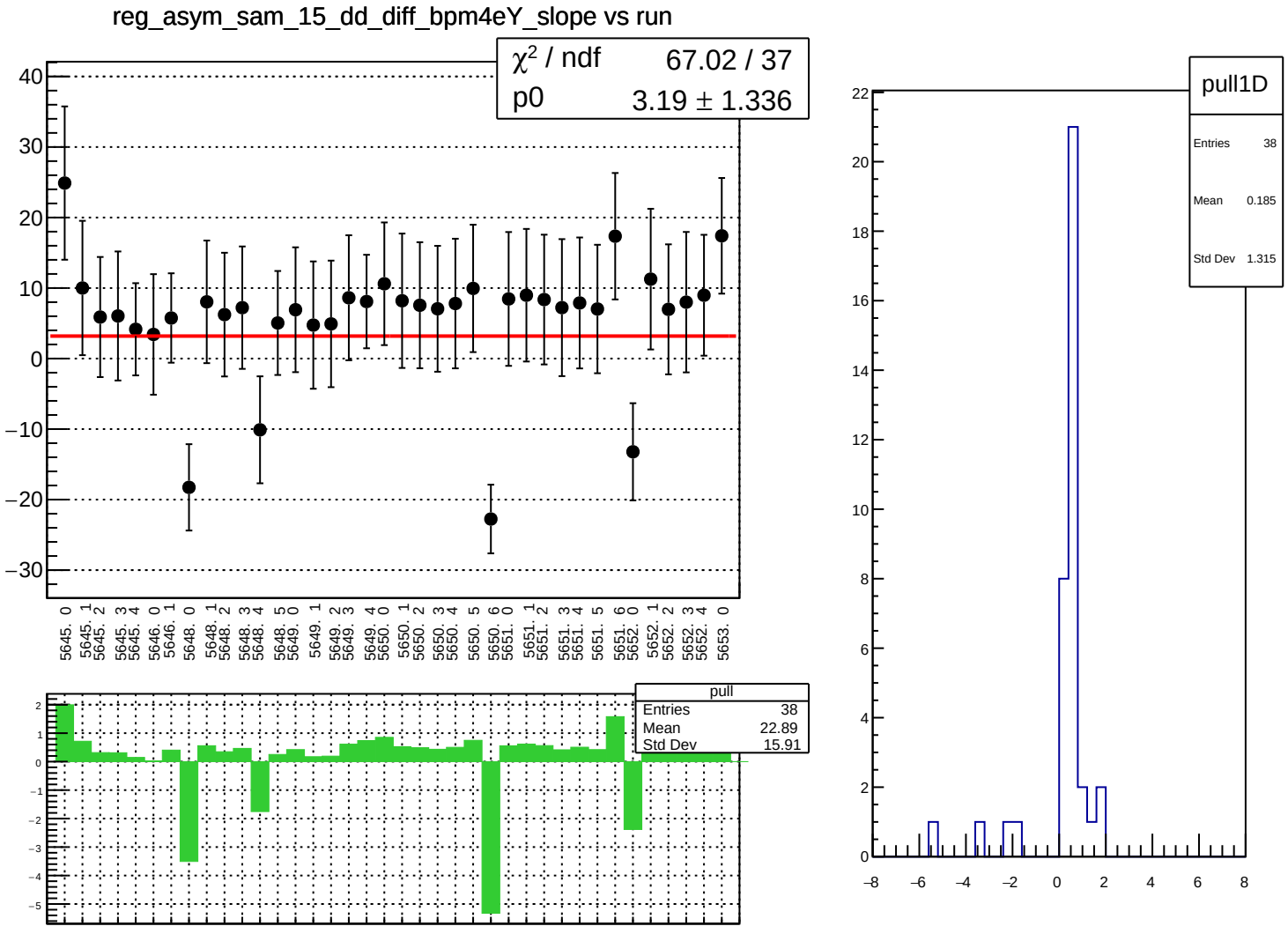

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.716 / 37
p0 −3.443 ± 1.77
pull
Entries 38
Mean −678
Std Dev 697.5

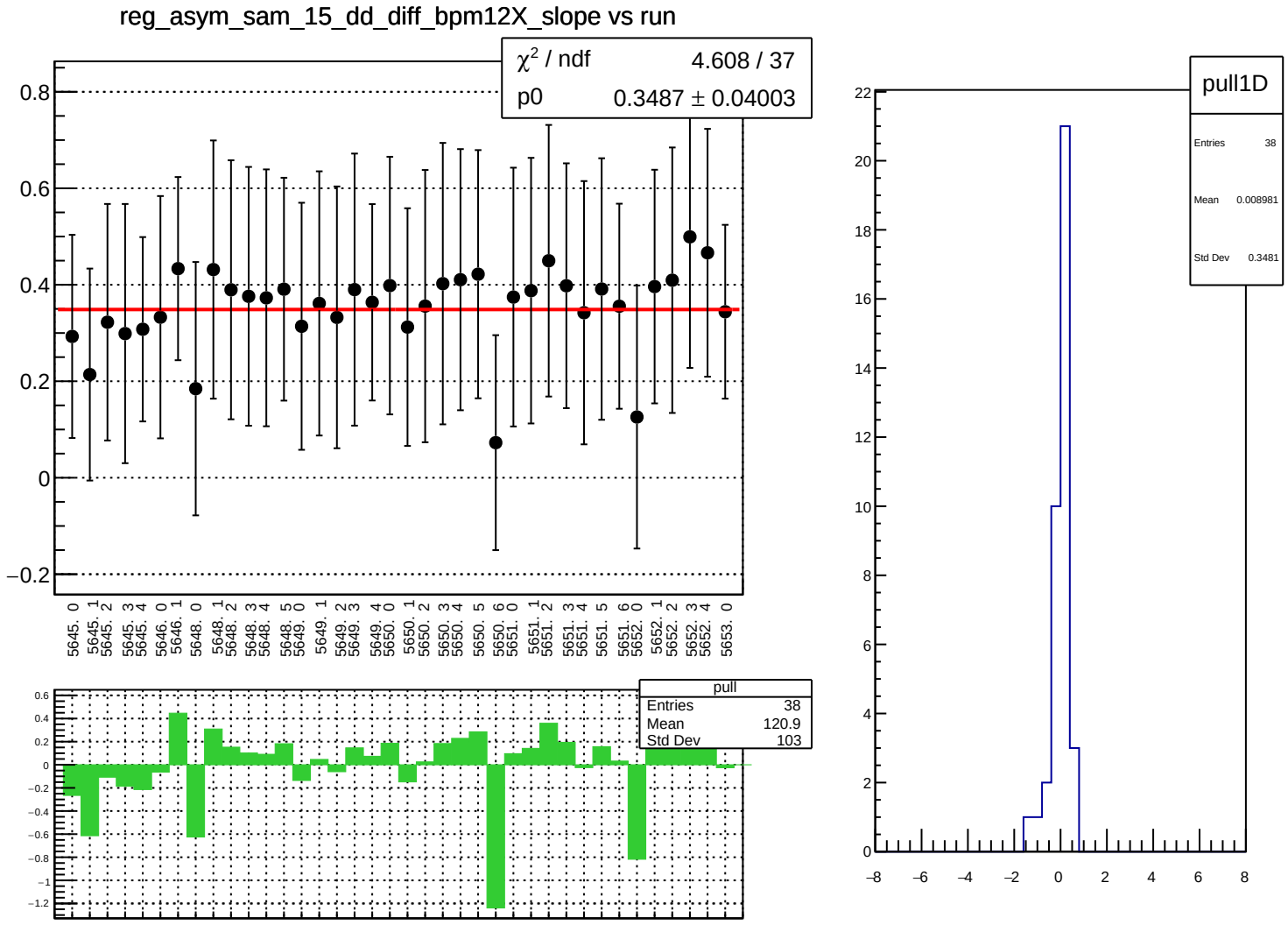

pull1D
Entries 38
Mean 0.001111
Std Dev 0.3127

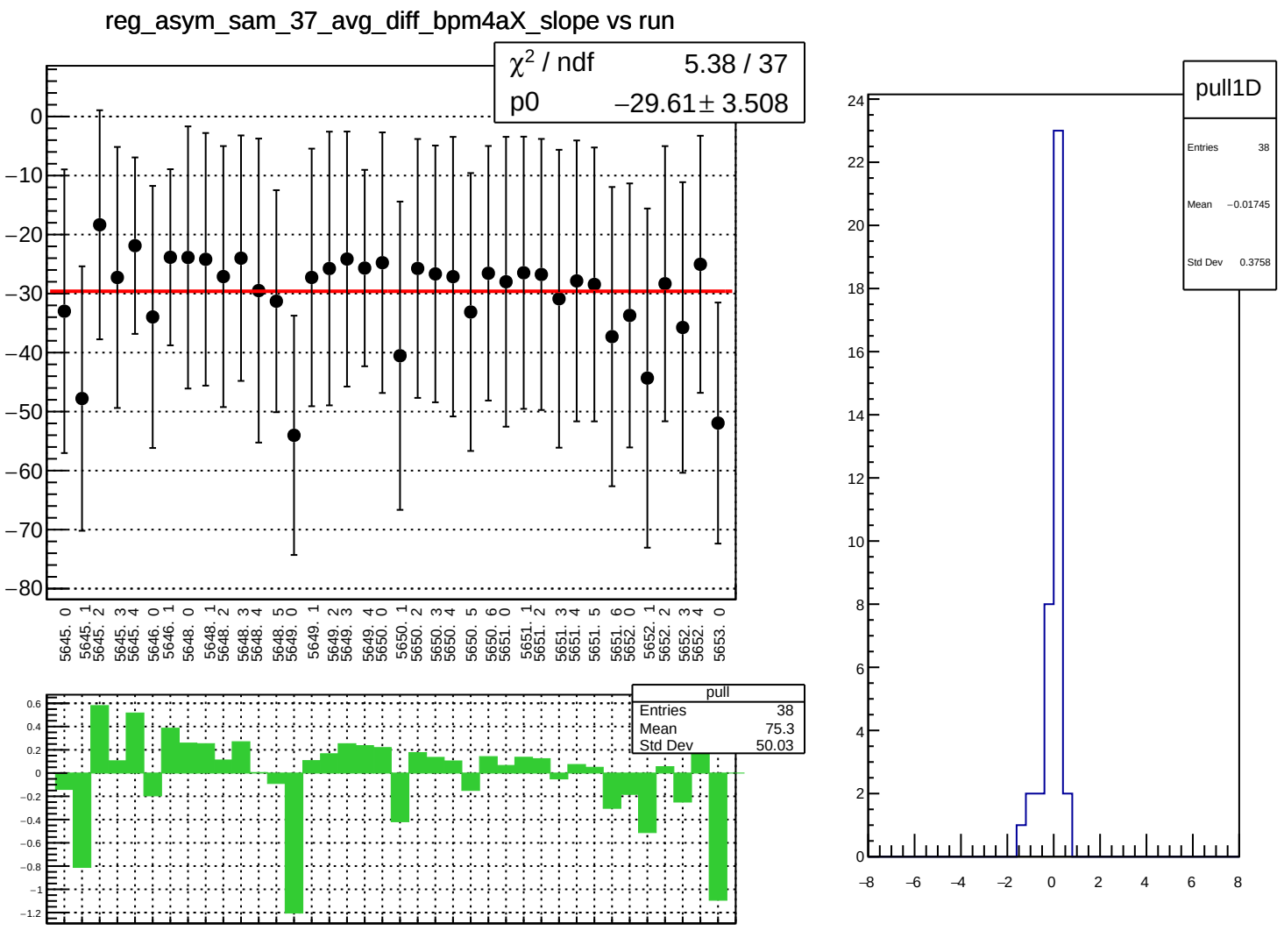

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.65 / 37
p0 −79.2 ± 1.062
−50
−60
−70
−80
−90
−100
−110
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 21.04
Std Dev 15.93
pull1D
Entries 38
Mean −0.196
Std Dev 1.31

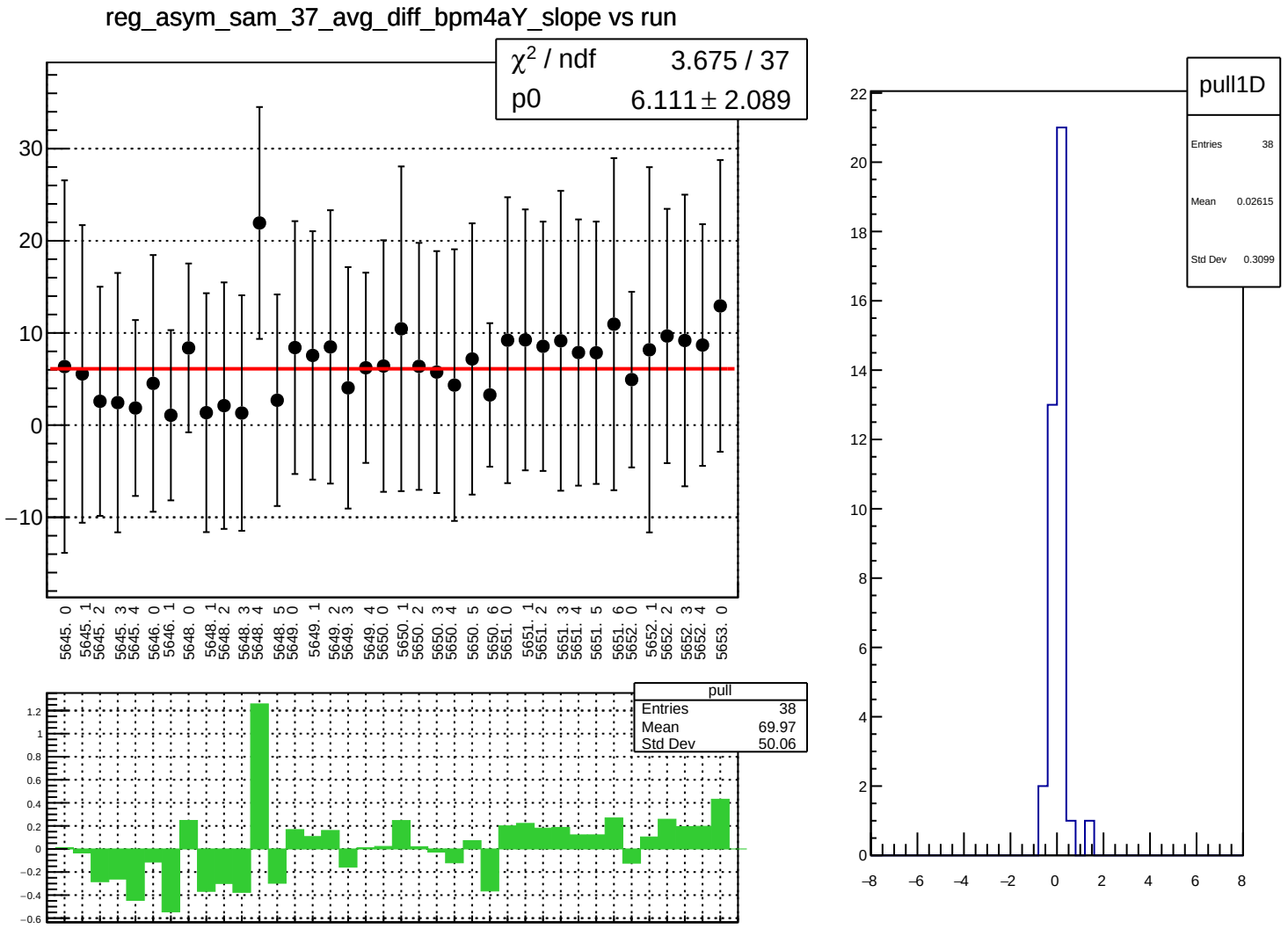

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.668 / 37
p0 −0.5907 ± 1.765
pull
Entries 38
Mean −490.1
Std Dev 509.8

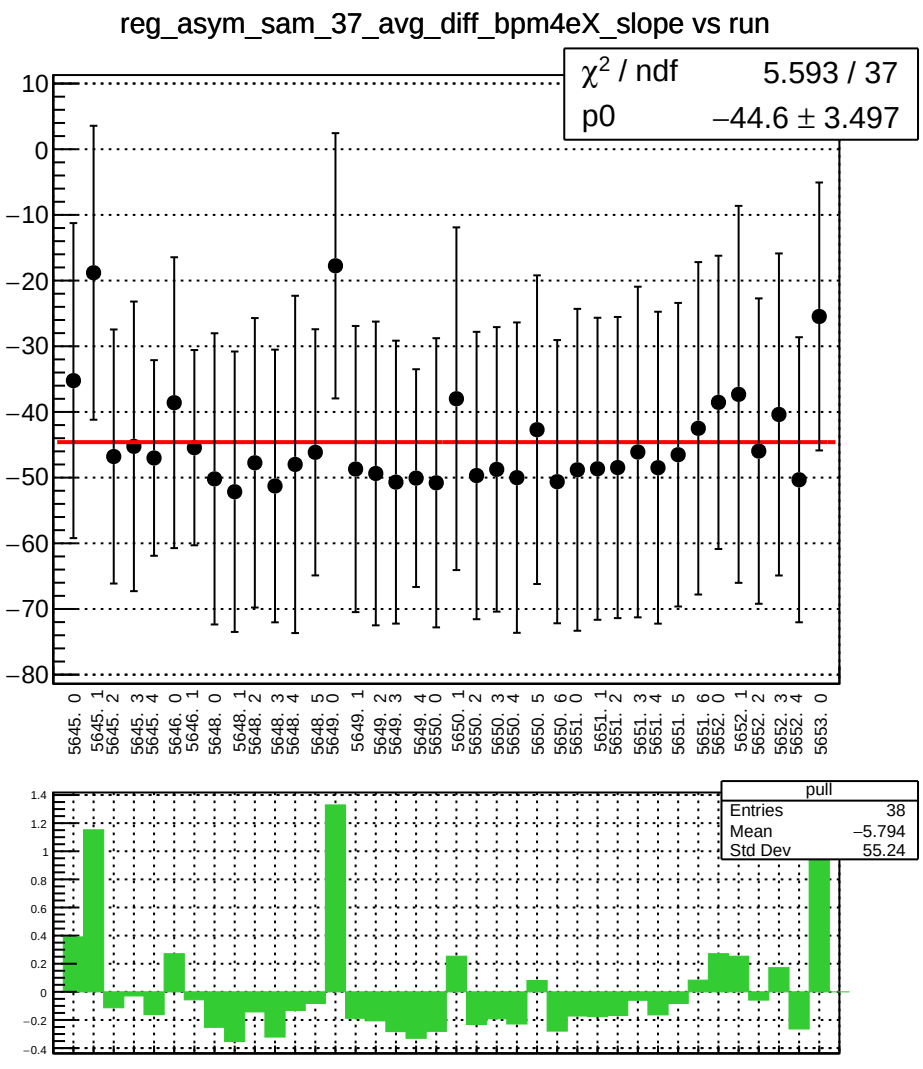

pull1D
Entries 38
Mean −0.001396
Std Dev 0.3107

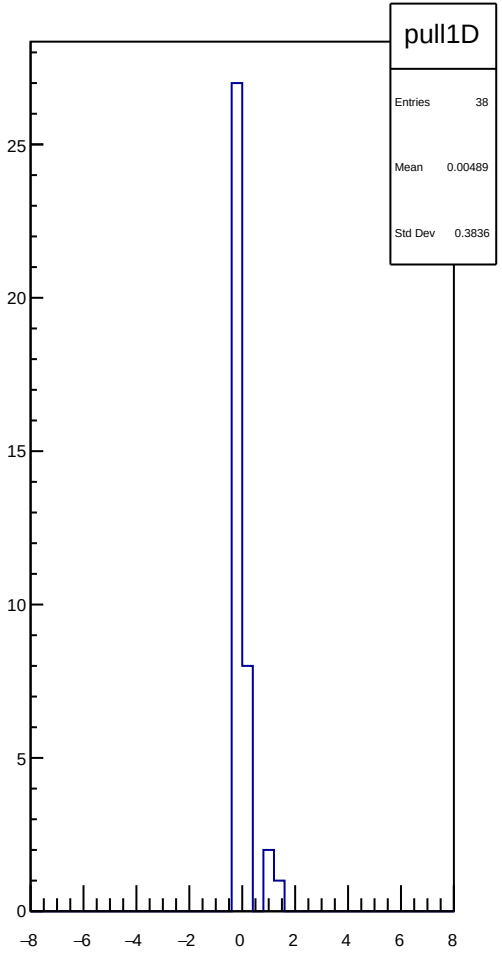

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.02 / 37
p0 3.19 ± 1.336
pull
Entries 38
Mean 22.89
Std Dev 15.91
pull1D
Entries 38
Mean 0.185
Std Dev 1.315

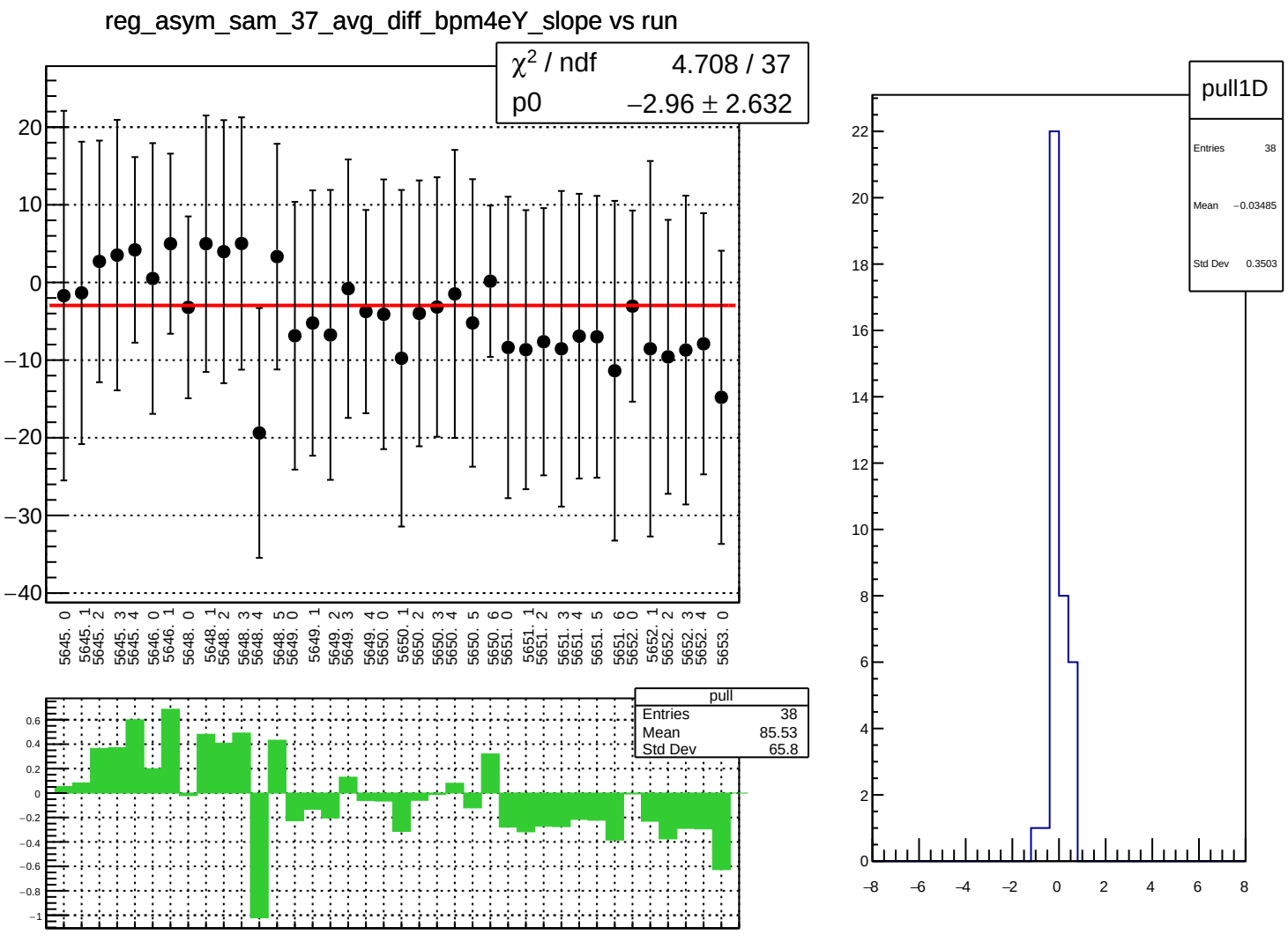

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 4.608 / 37
p0 0.3487 ± 0.04003
pull
Entries 38
Mean 120.9
Std Dev 103
pull1D
Entries 38
Mean 0.008981
Std Dev 0.3481

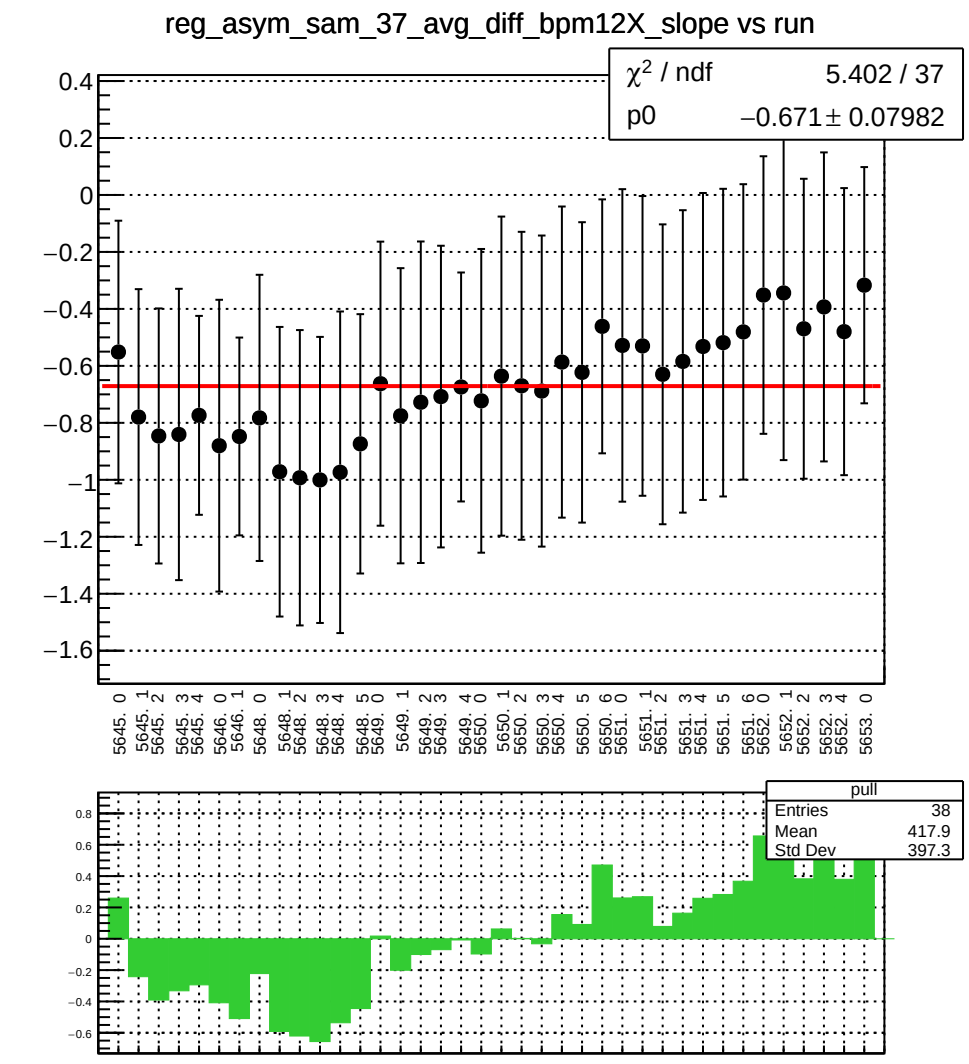

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.38 / 37
p0 −29.61 ± 3.508
pull
Entries 38
Mean 75.3
Std Dev 50.03
pull1D
Entries 38
Mean −0.01745
Std Dev 0.3758

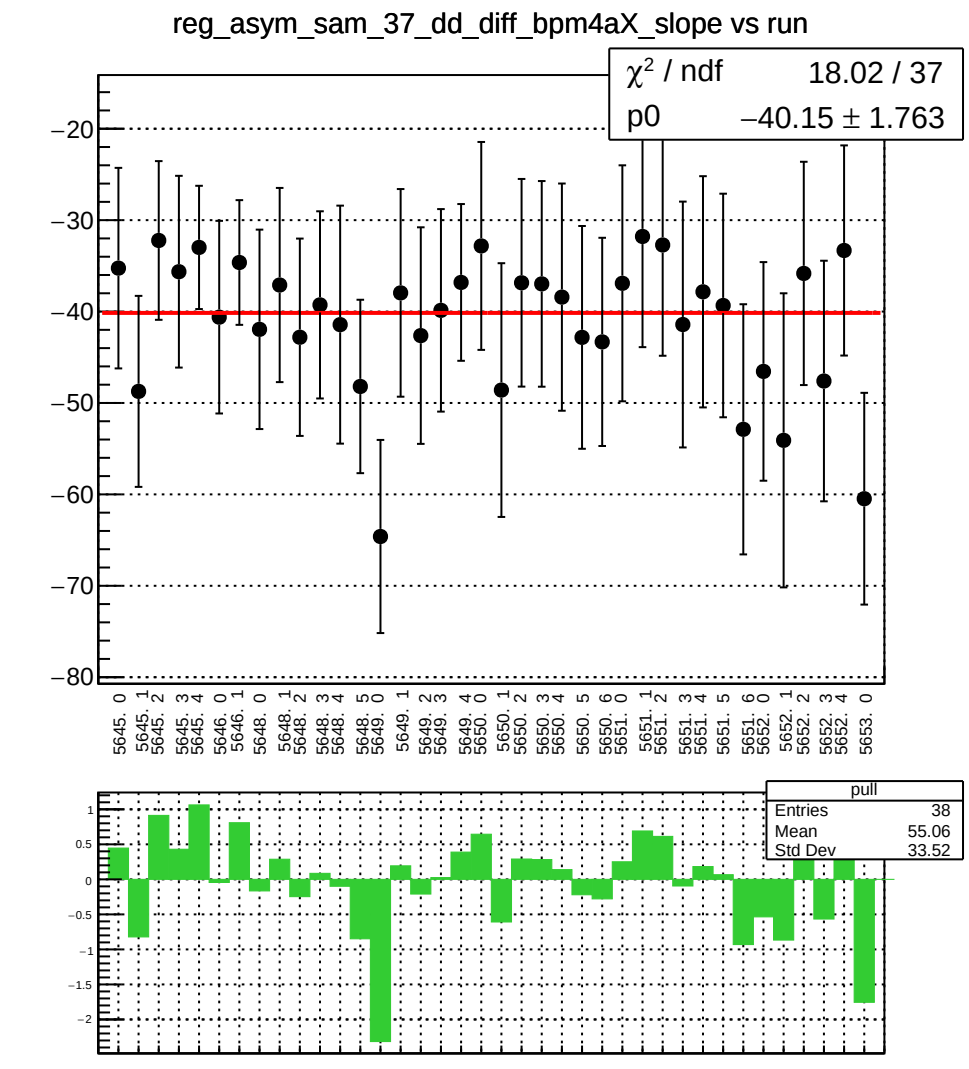

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.675 / 37
p0 6.111 ± 2.089
pull
Entries 38
Mean 69.97
Std Dev 50.06
pull1D
Entries 38
Mean 0.02615
Std Dev 0.3099

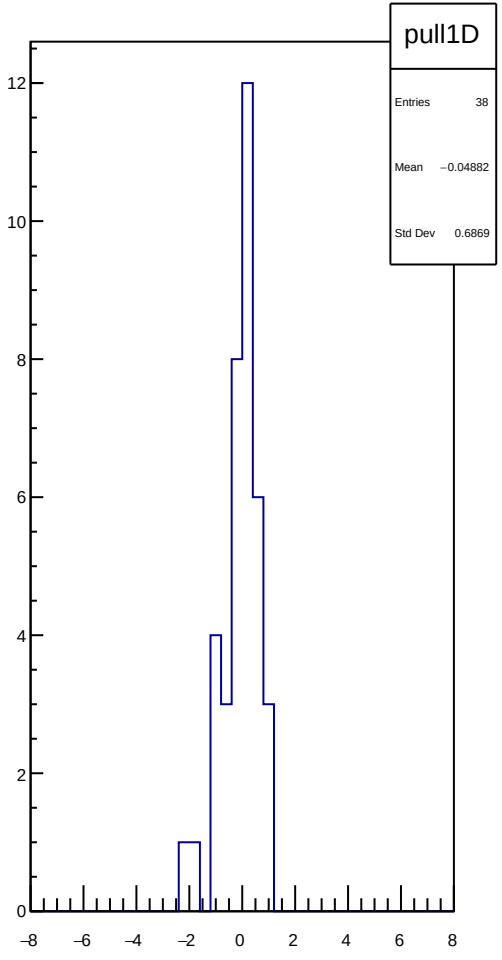

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.593 / 37
p0 −44.6 ± 3.497
pull
Entries 38
Mean −5.794
Std Dev 55.24

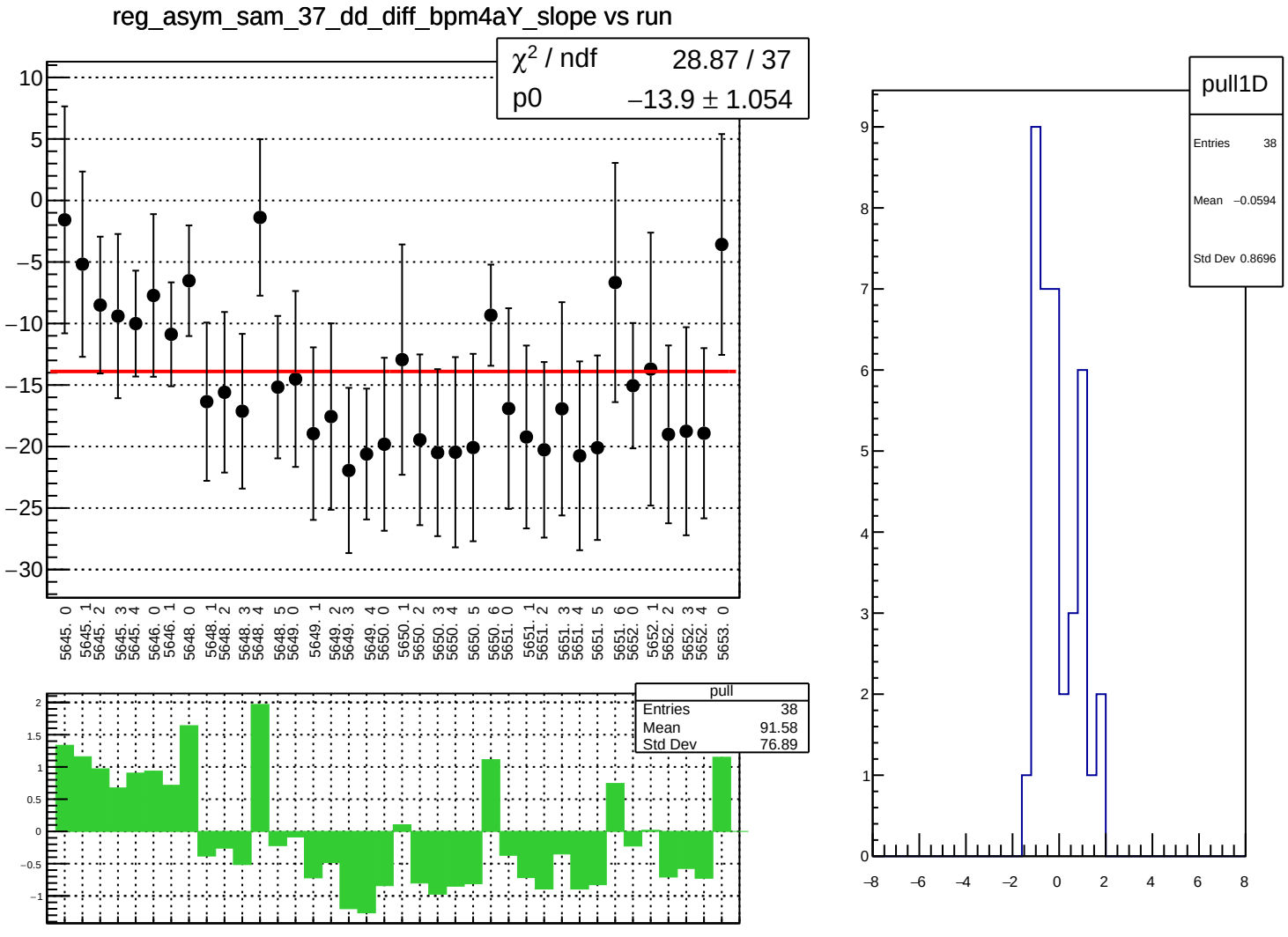

pull1D
Entries 38
Mean 0.00489
Std Dev 0.3836

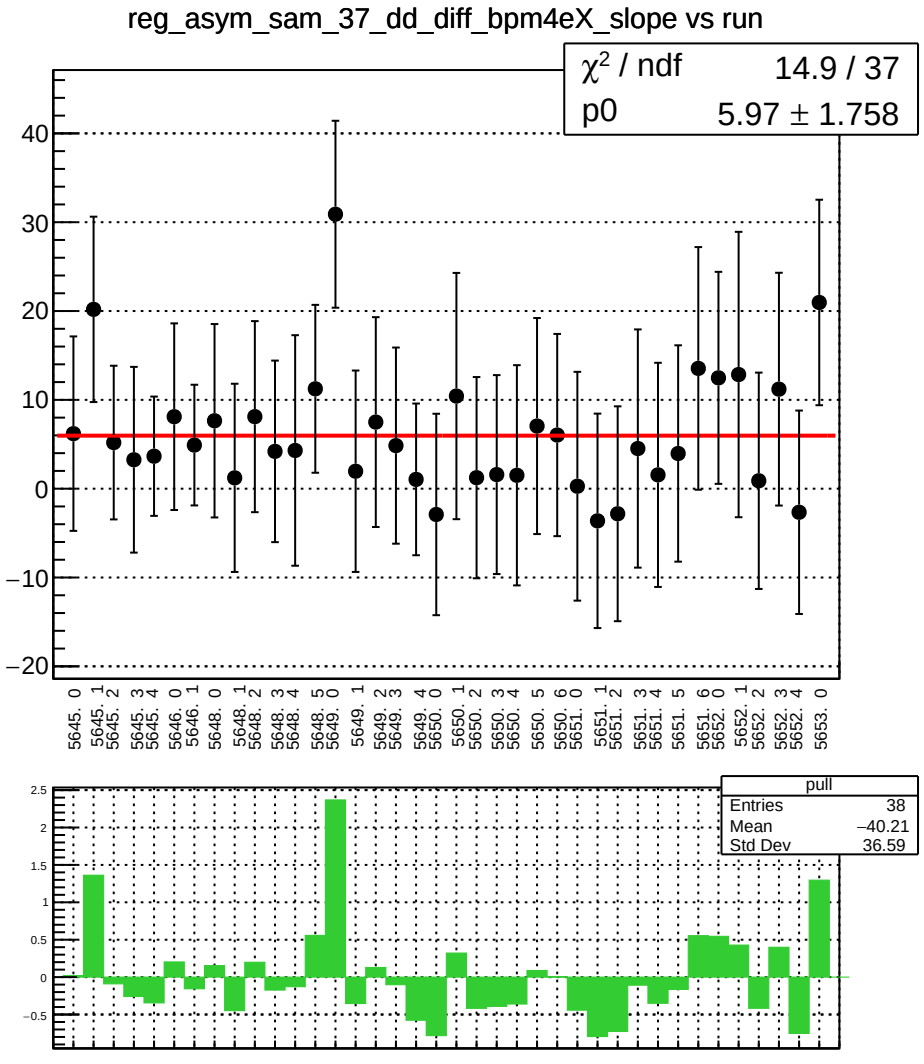

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.708 / 37
p0 −2.96 ± 2.632
pull
Entries 38
Mean 85.53
Std Dev 65.8
pull1D
Entries 38
Mean −0.03485
Std Dev 0.3503

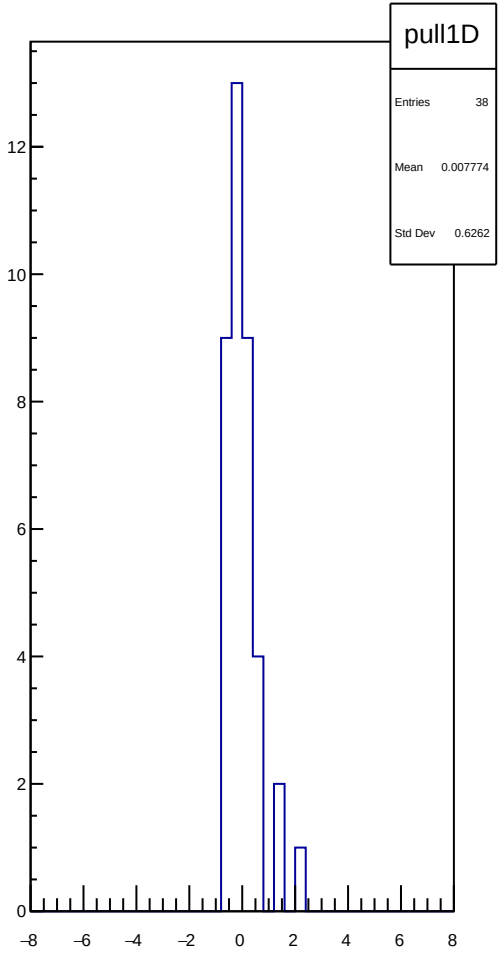

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 5.402 / 37
p0 −0.671 ± 0.07982
pull
Entries 38
Mean 417.9
Std Dev 397.3
pull1D
Entries 38
Mean 0.008539
Std Dev 0.377

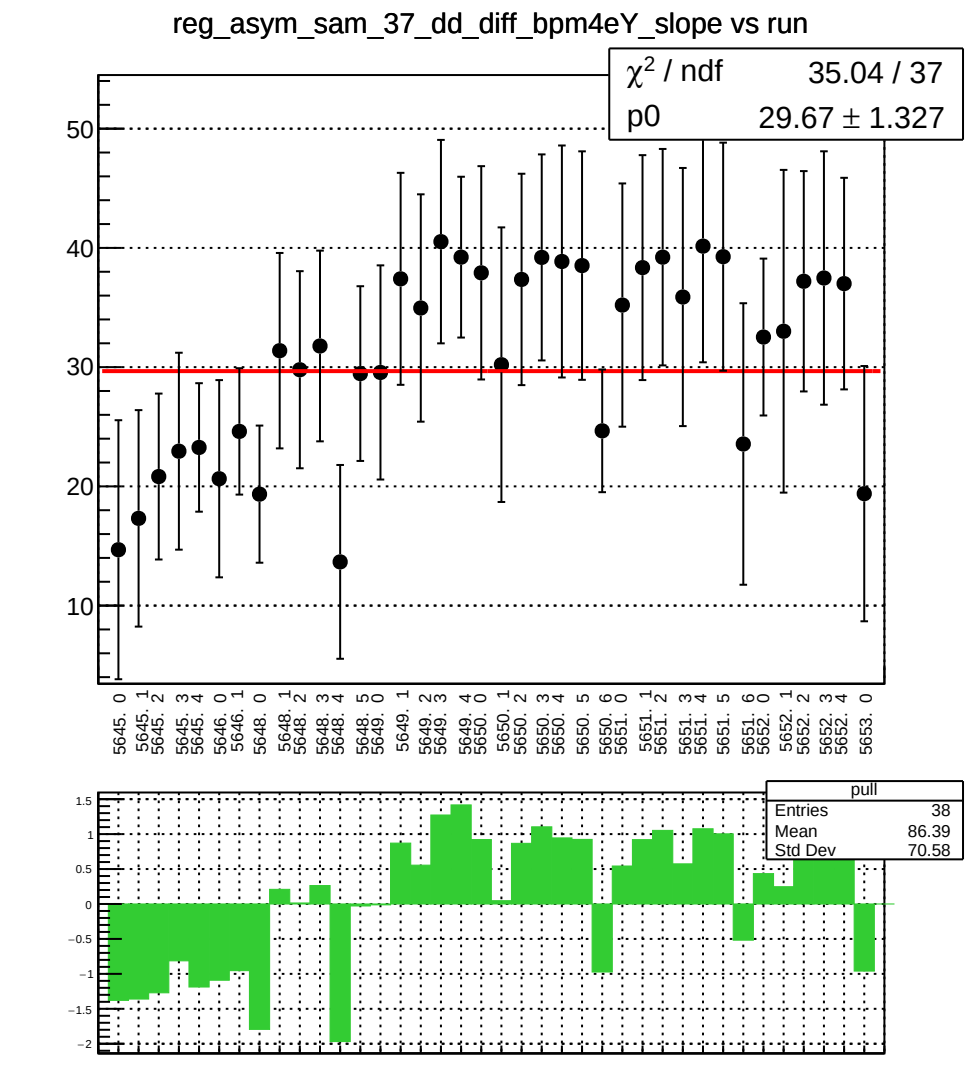

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.02 / 37
p0 −40.15 ± 1.763
pull
Entries 38
Mean 55.06
Std Dev 33.52

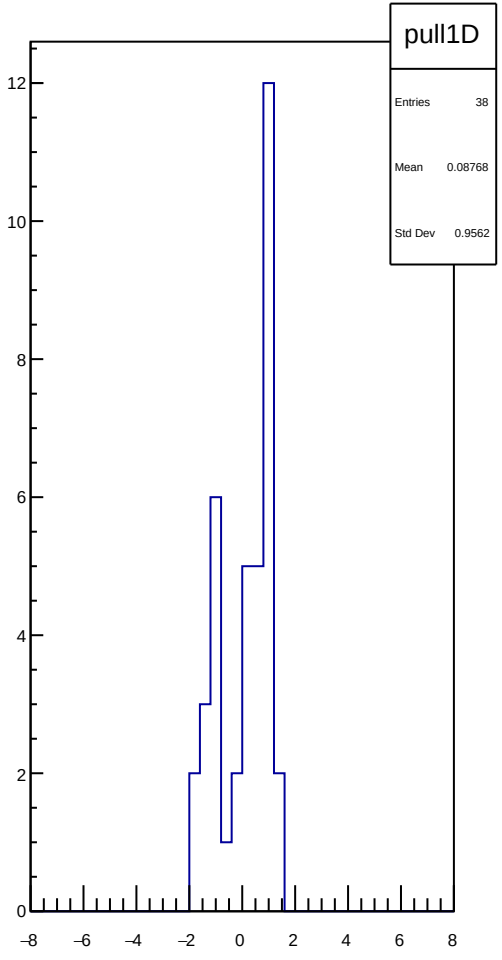

pull1D
Entries 38
Mean −0.04882
Std Dev 0.6869

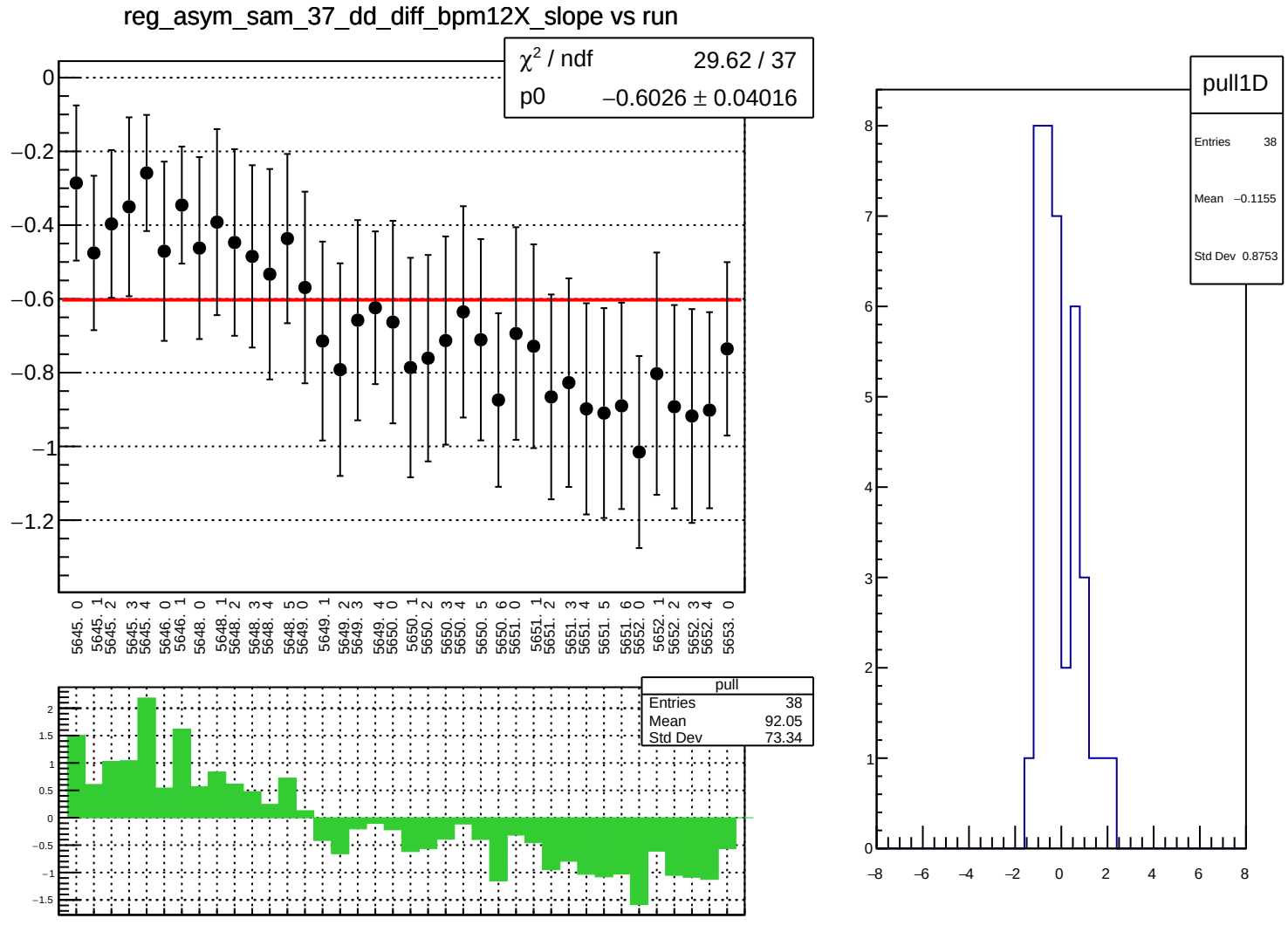

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.87 / 37
p0 −13.9 ± 1.054
pull
Entries 38
Mean 91.58
Std Dev 76.89
pull1D
Entries 38
Mean −0.0594
Std Dev 0.8696

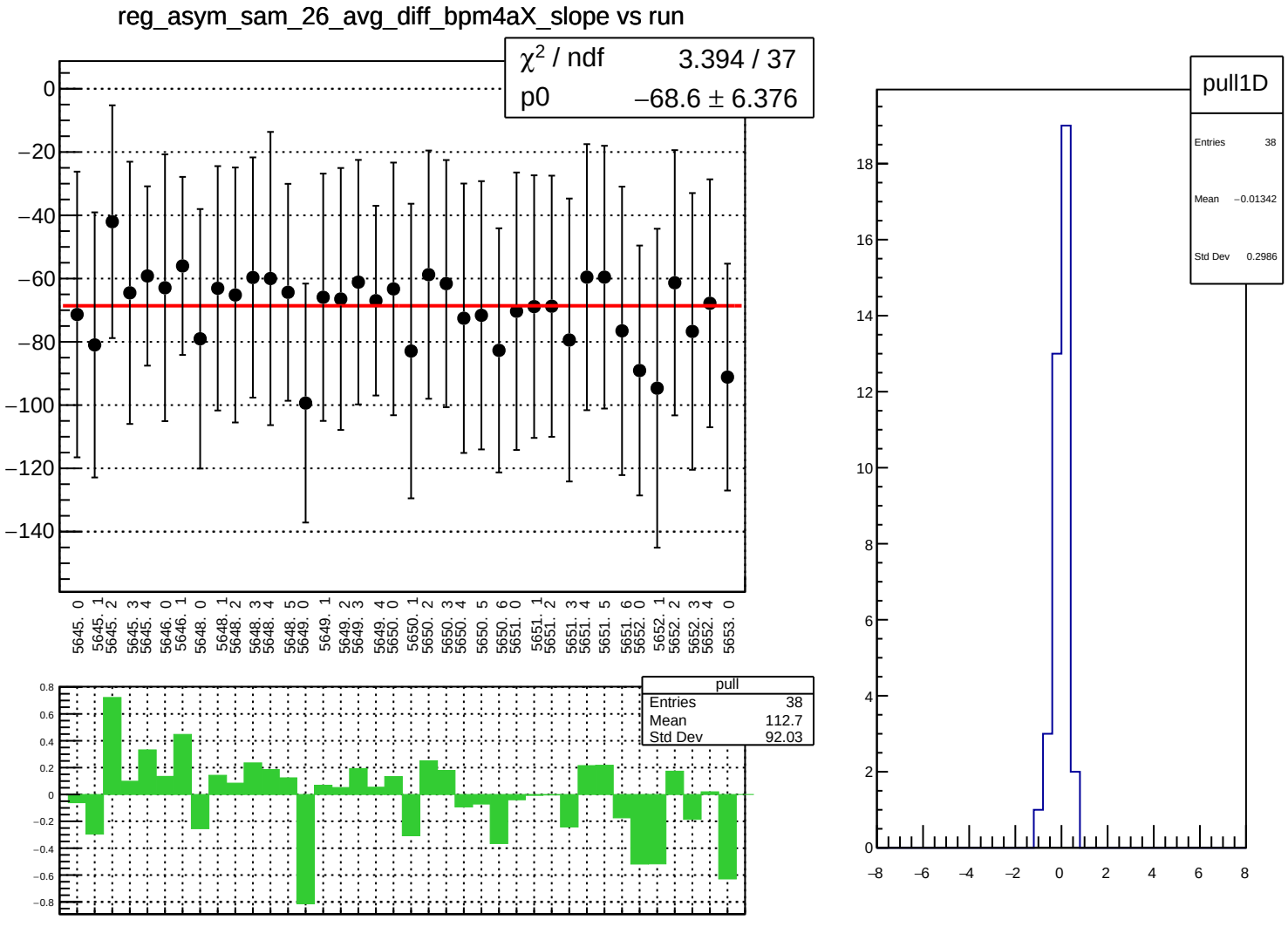

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.9 / 37
p0 5.97 ± 1.758
pull
Entries 38
Mean −40.21
Std Dev 36.59

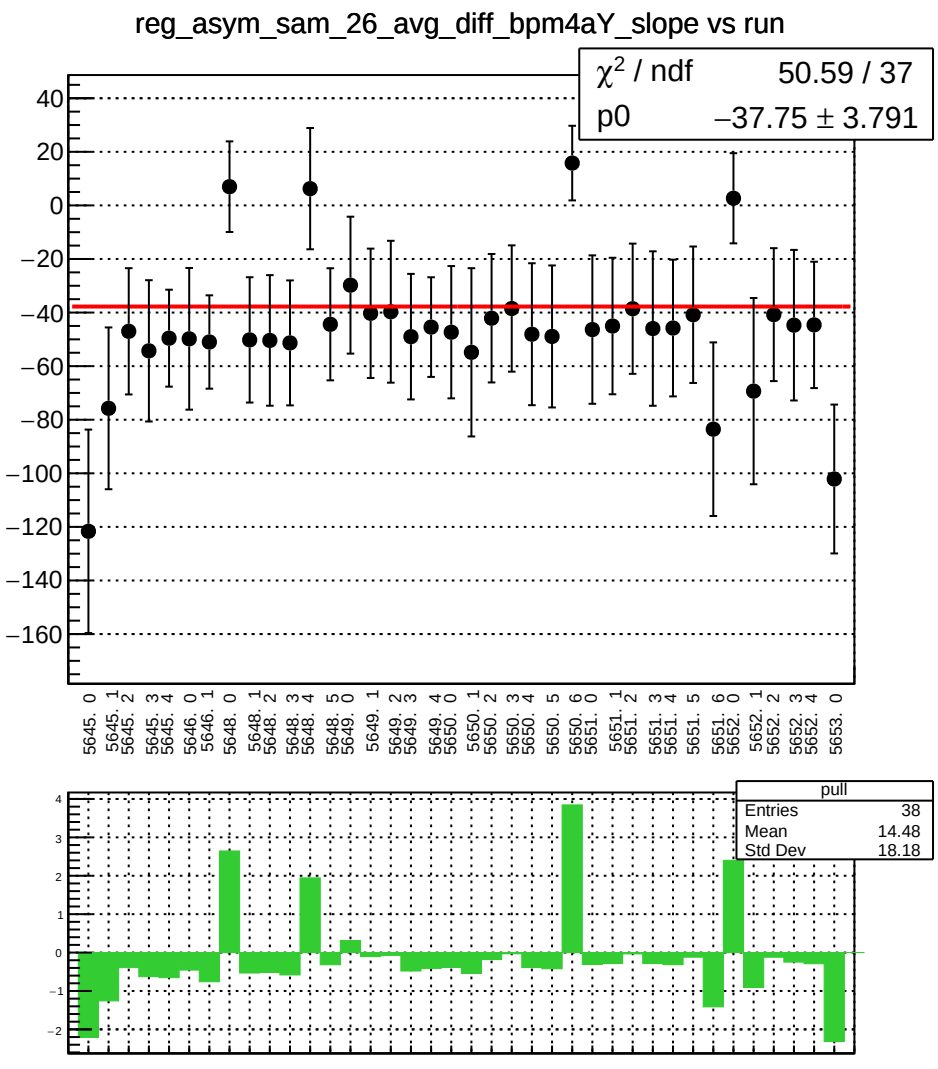

pull1D
Entries 38
Mean 0.007774
Std Dev 0.6262

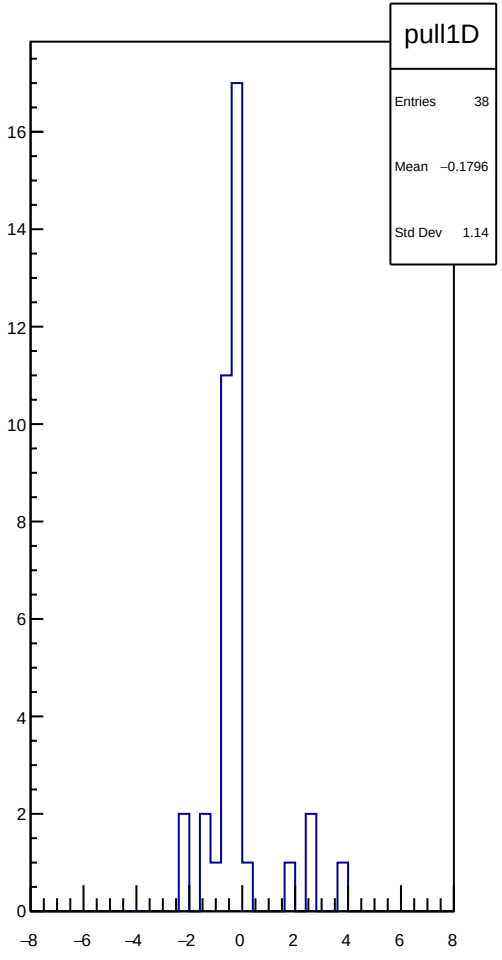

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.04 / 37
p0 29.67 ± 1.327
pull
Entries 38
Mean 86.39
Std Dev 70.58

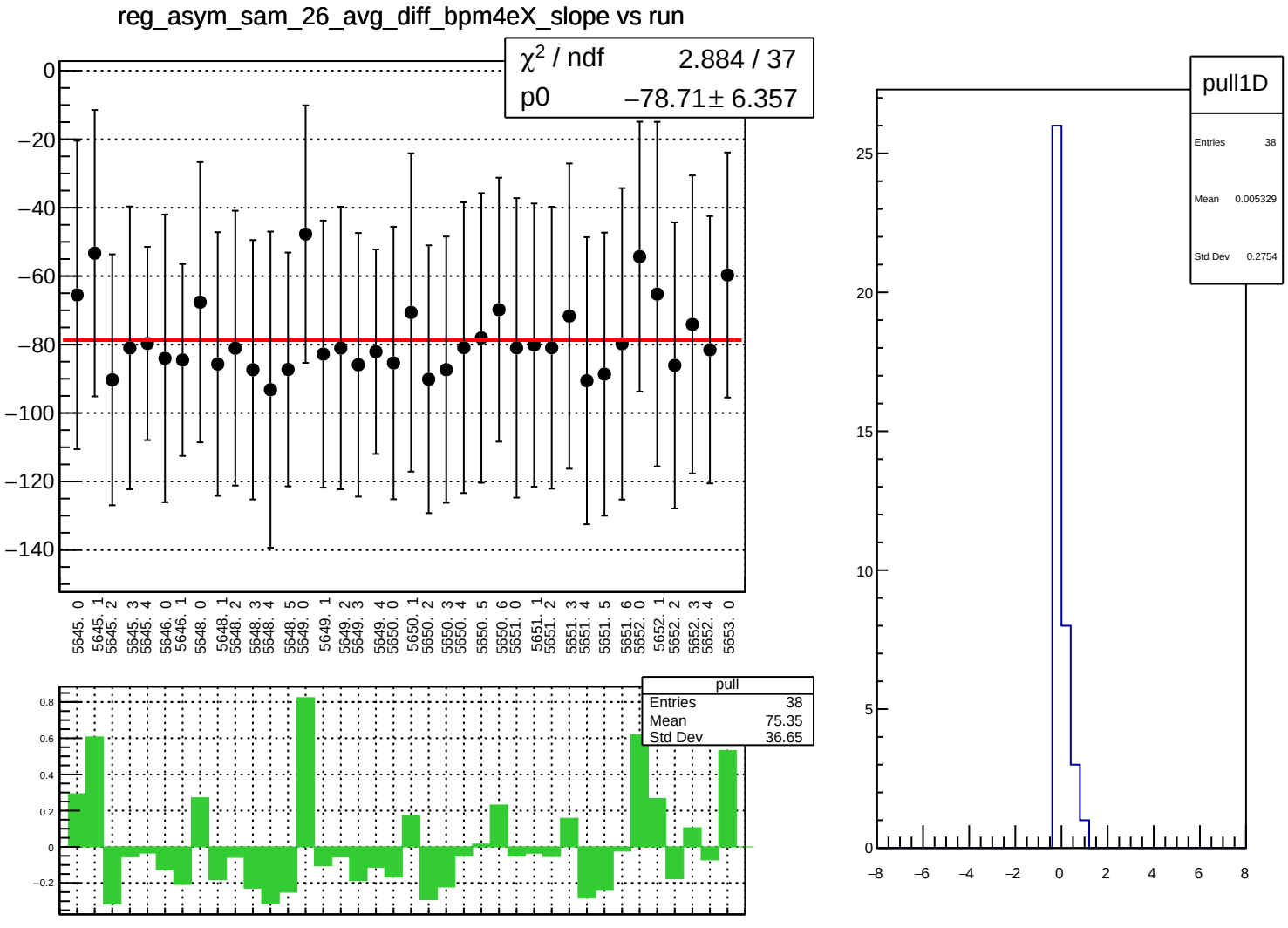

pull1D
Entries 38
Mean 0.08768
Std Dev 0.9562

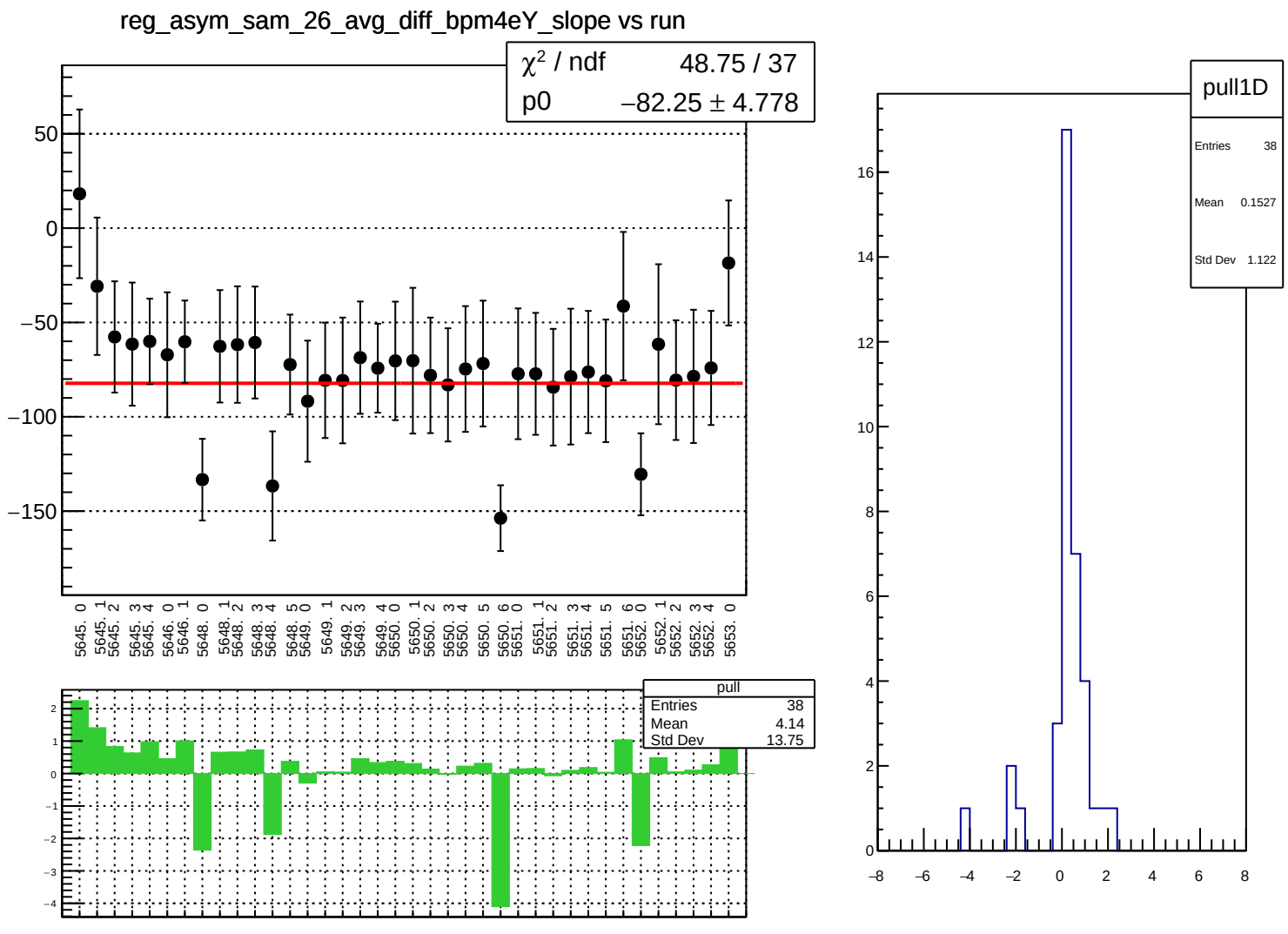

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 29.62 / 37
p0 −0.6026 ± 0.04016
pull
Entries 38
Mean 92.05
Std Dev 73.34
pull1D
Entries 38
Mean −0.1155
Std Dev 0.8753

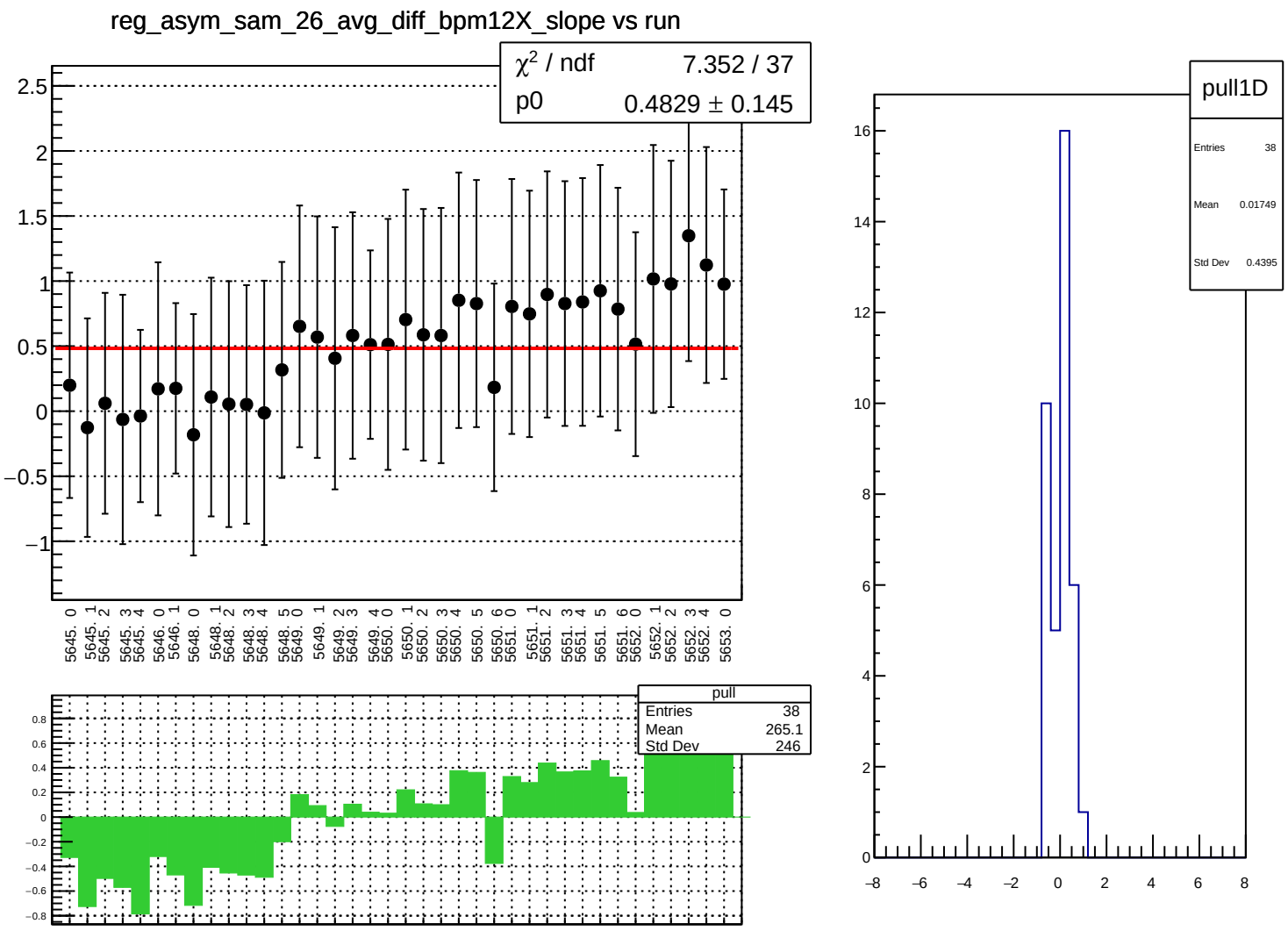

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.394 / 37
p0 −68.6 ± 6.376
0
−20
−40
−60
−80
−100
−120
−140
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 112.7
Std Dev 92.03
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 38
Mean −0.01342
Std Dev 0.2986
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

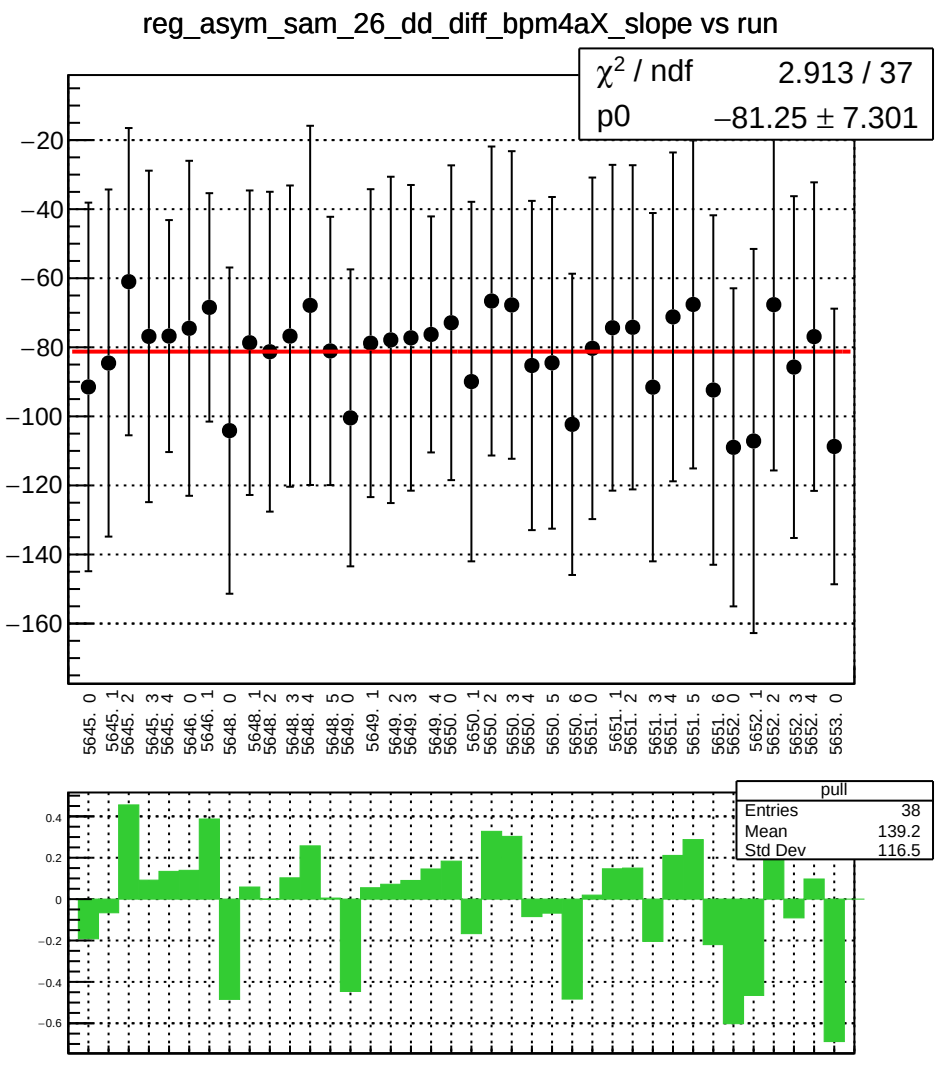

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.59 / 37
p0 −37.75 ± 3.791
pull
Entries 38
Mean 14.48
Std Dev 18.18

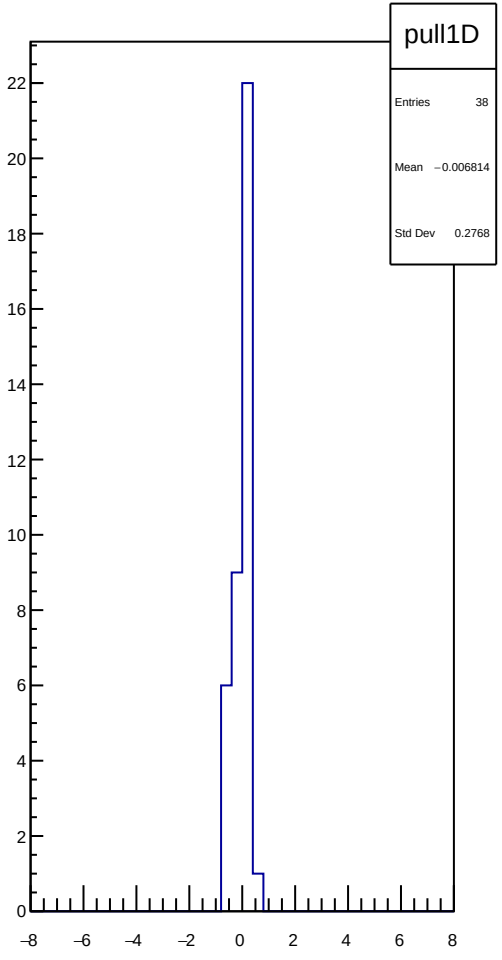

pull1D
Entries 38
Mean −0.1796
Std Dev 1.14

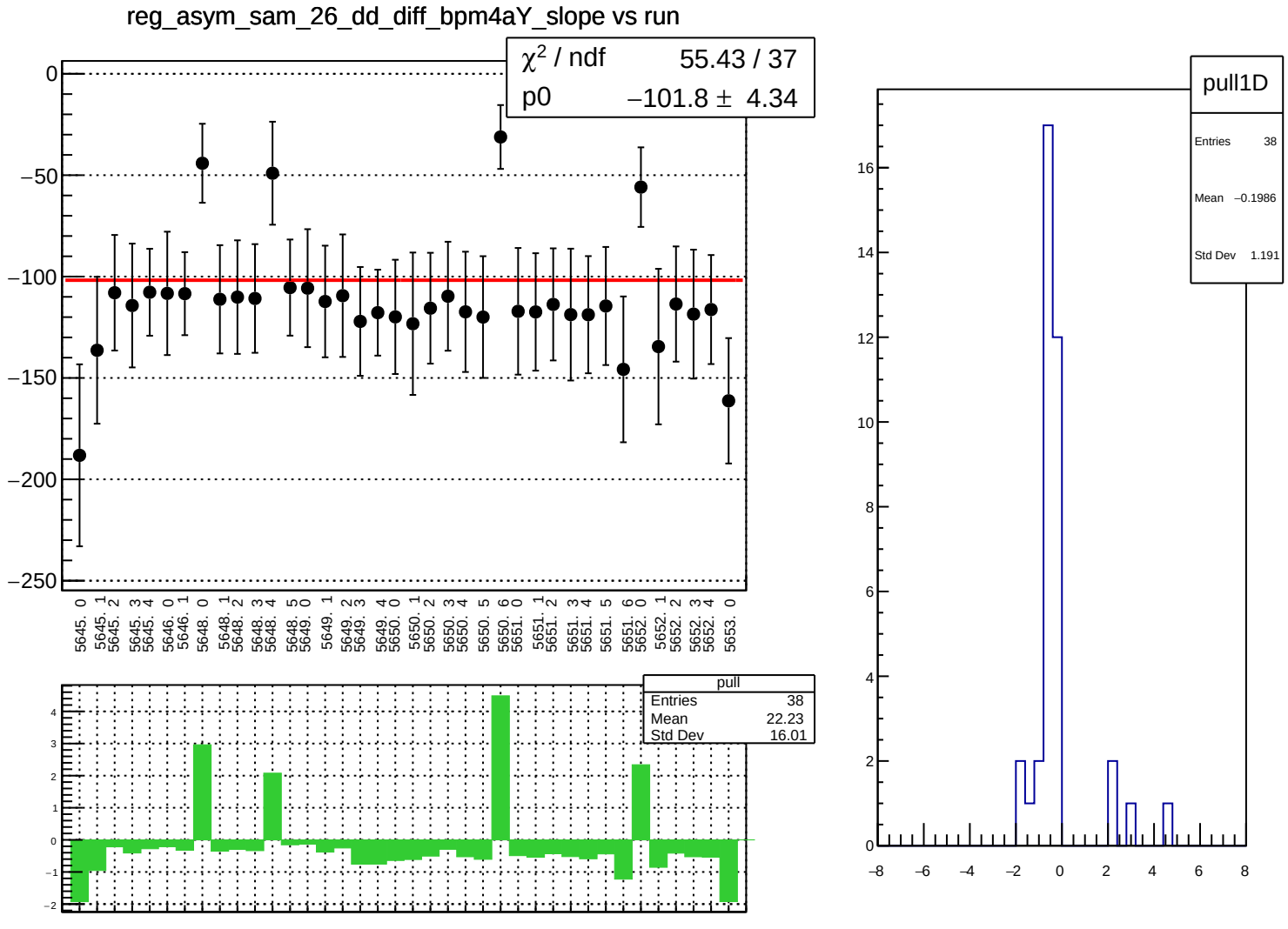

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.884 / 37
p0 −78.71± 6.357
pull
Entries 38
Mean 75.35
Std Dev 36.65
pull1D
Entries 38
Mean 0.005329
Std Dev 0.2754

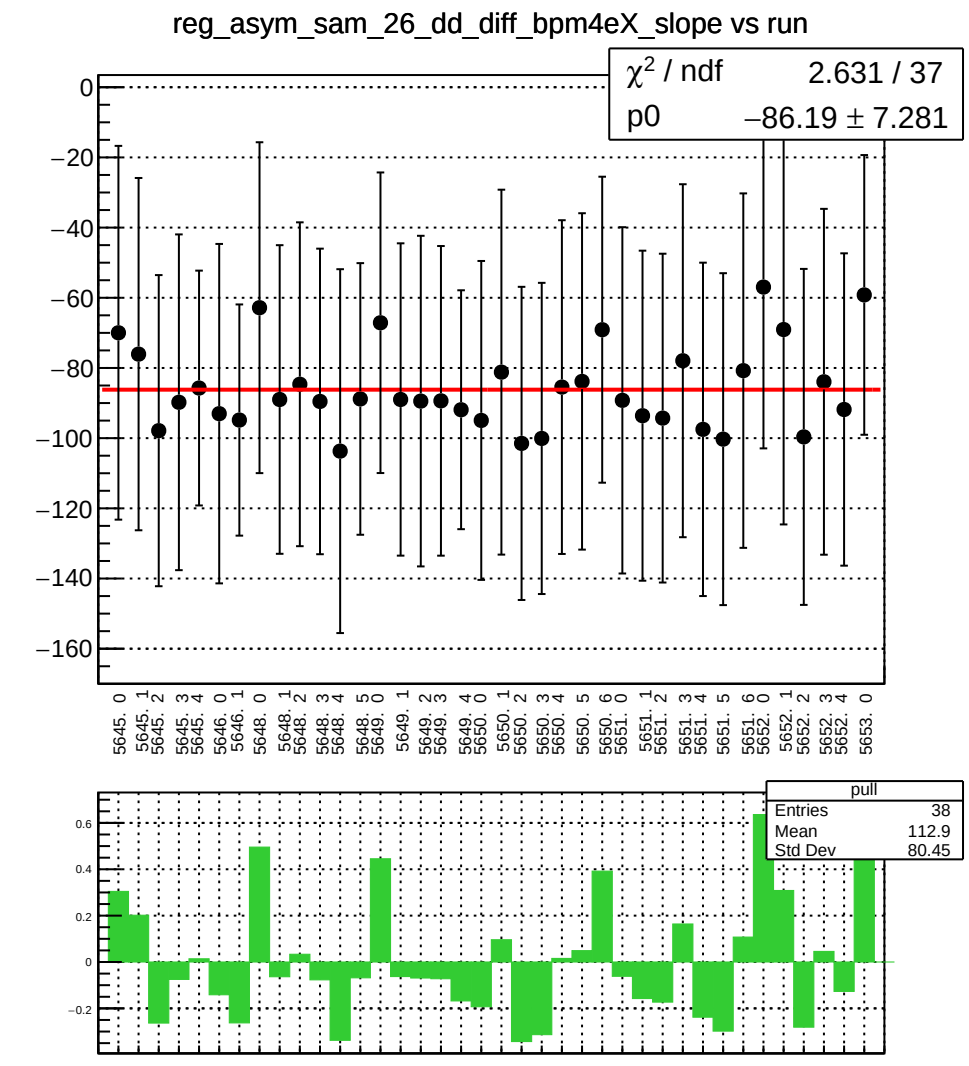

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.75 / 37
p0 −82.25 ± 4.778
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 4.14
Std Dev 13.75
2
1
0
−1
−2
−3
−4
pull1D
Entries 38
Mean 0.1527
Std Dev 1.122
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

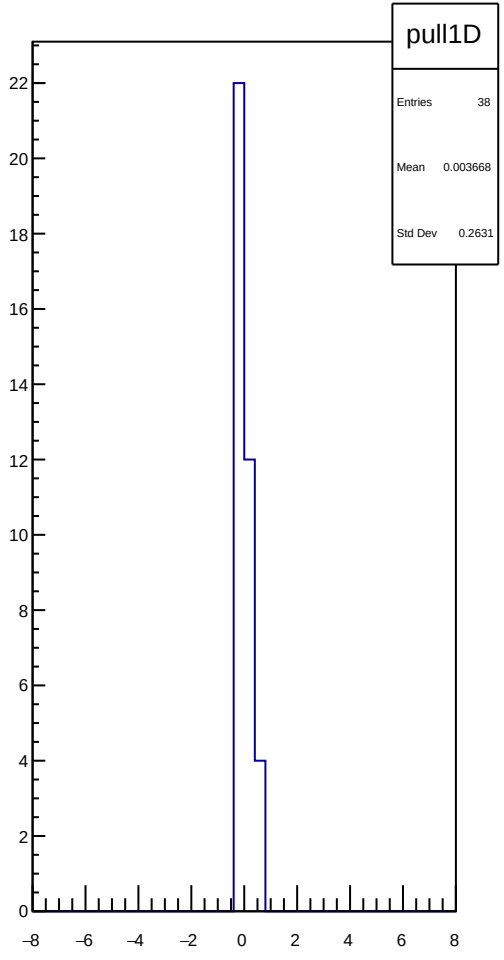

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.352 / 37
p0 0.4829 ± 0.145
pull
Entries 38
Mean 265.1
Std Dev 246
pull1D
Entries 38
Mean 0.01749
Std Dev 0.4395

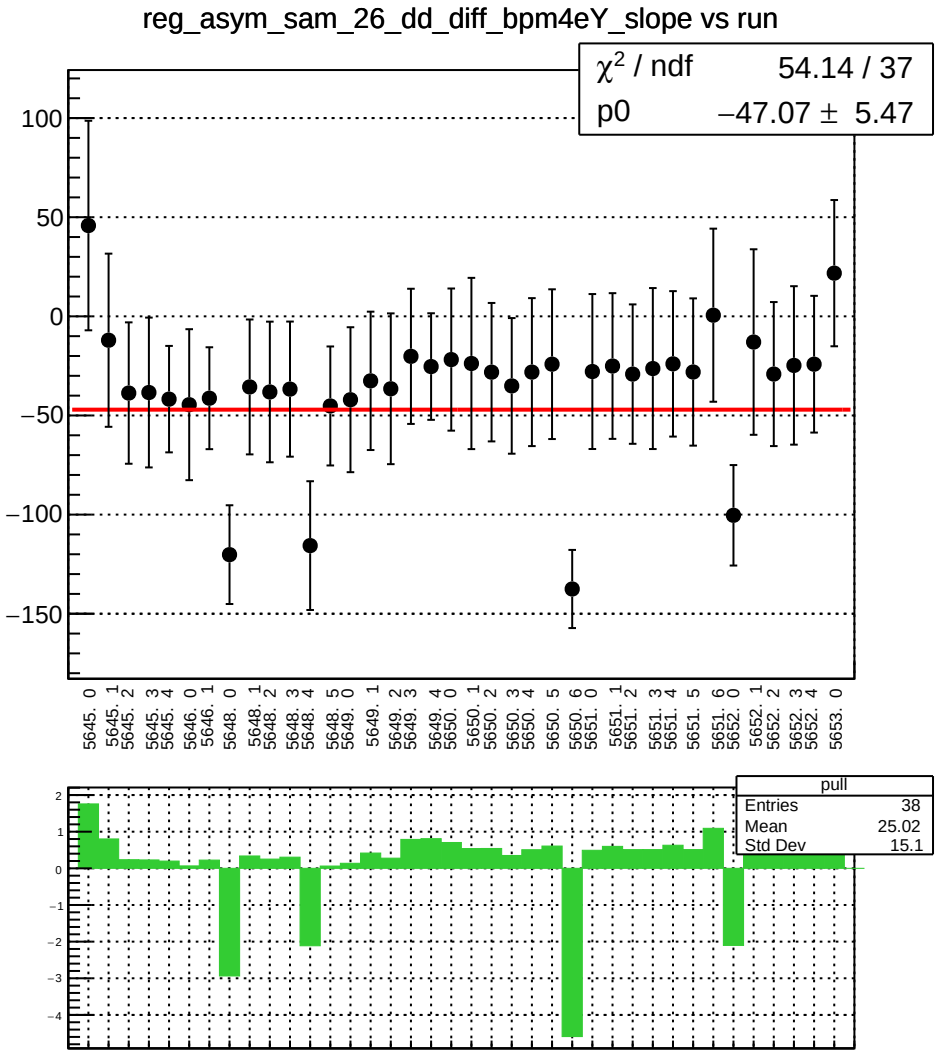

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.913 / 37
p0 −81.25 ± 7.301
−20
−40
−60
−80
−100
−120
−140
−160
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 139.2
Std Dev 116.5
0.4
0.2
0
−0.2
−0.4
−0.6

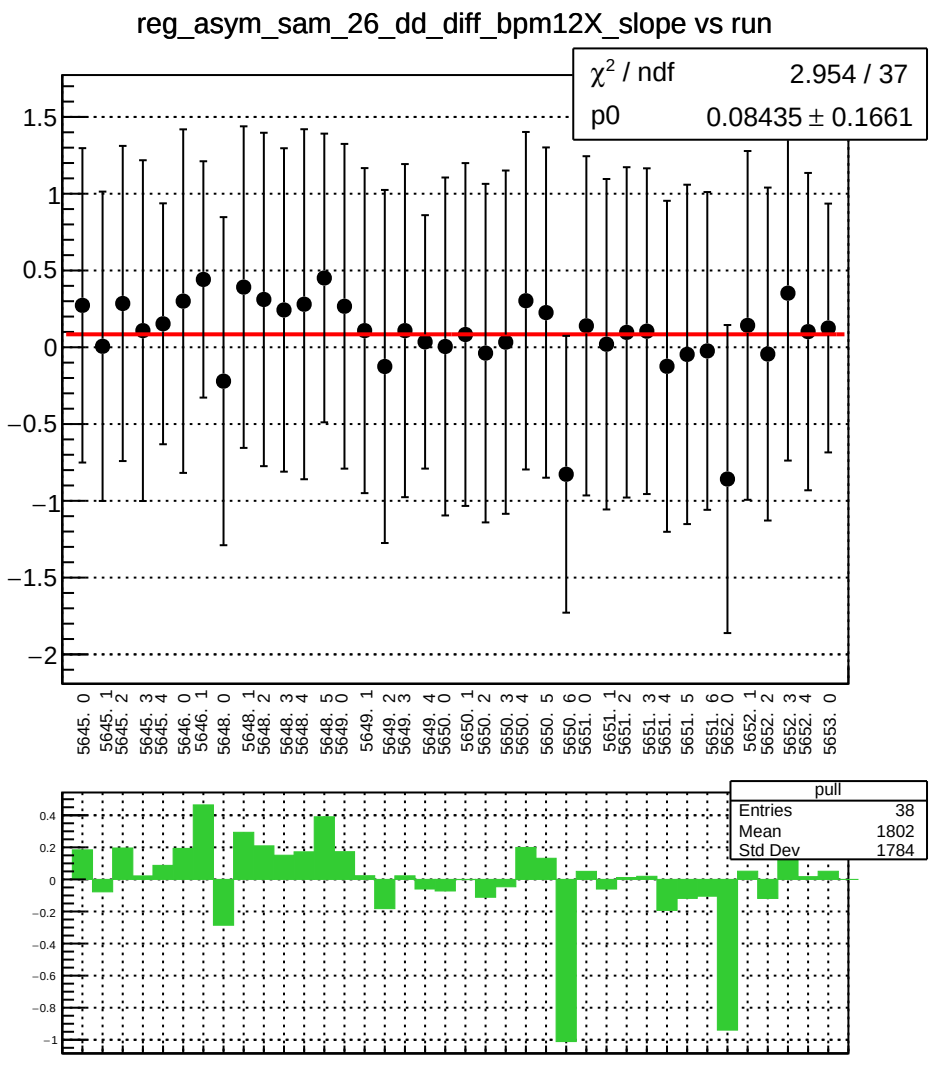

pull1D
Entries 38
Mean −0.006814
Std Dev 0.2768
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

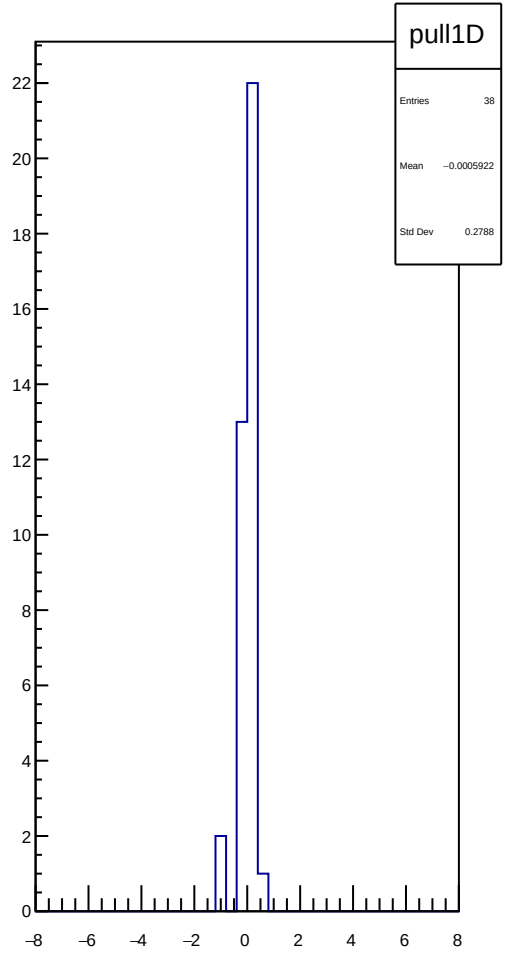

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.43 / 37
p0 −101.8 ± 4.34
0
−50
−100
−150
−200
−250
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 22.23
Std Dev 16.01
4
3
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.1986
Std Dev 1.191
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

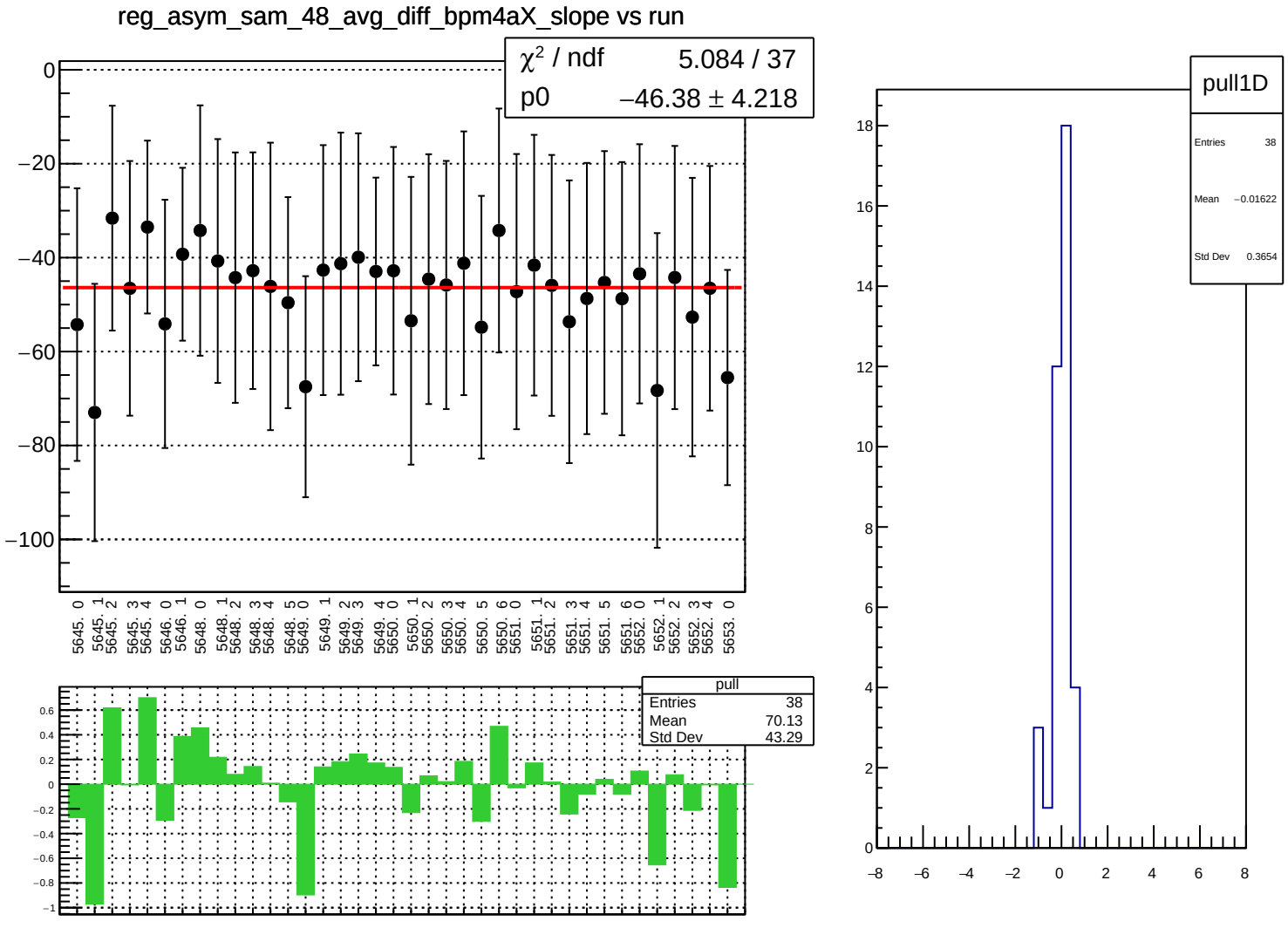

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.631 / 37
p0 −86.19 ± 7.281
pull
Entries 38
Mean 112.9
Std Dev 80.45

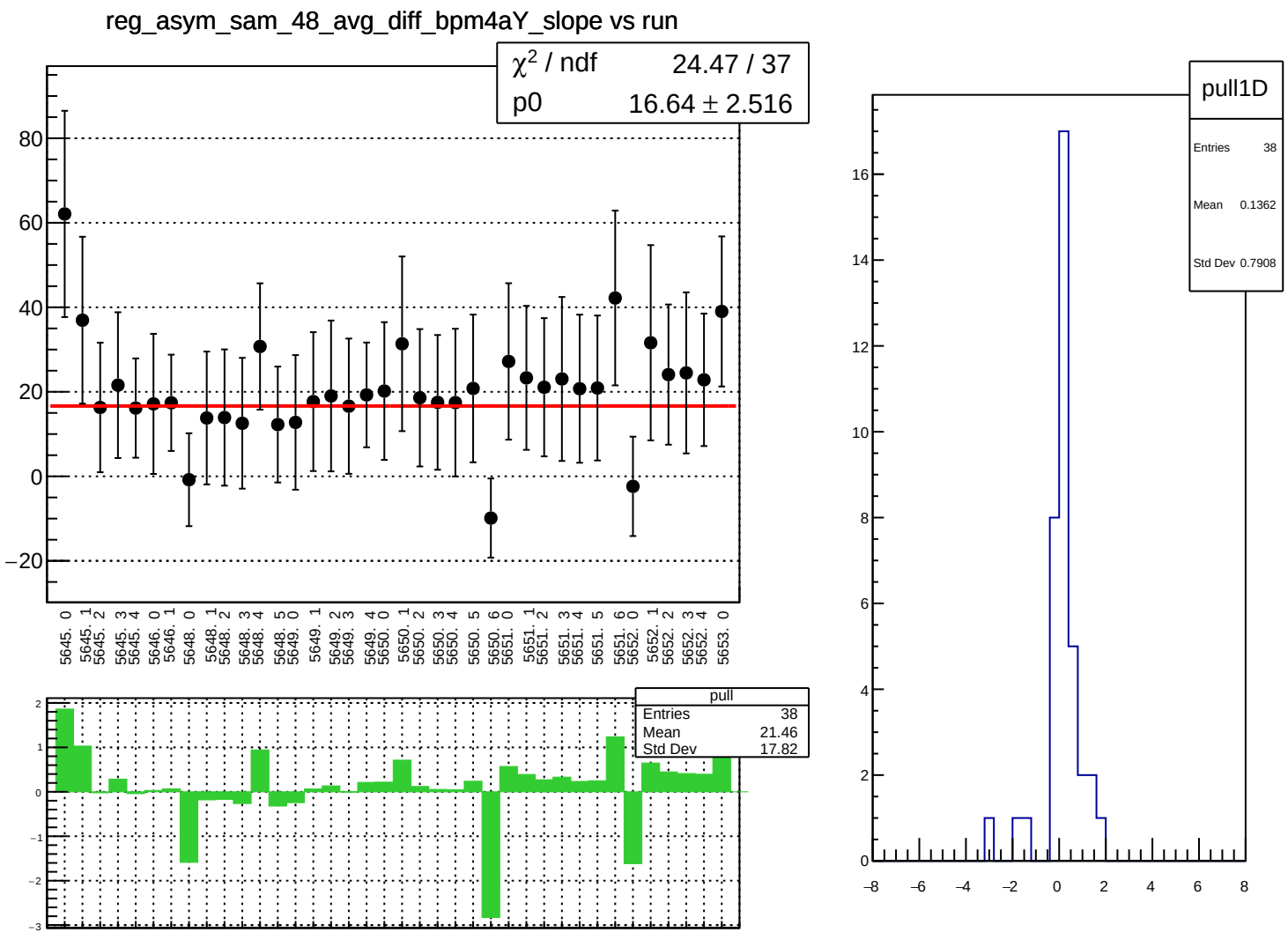

pull1D
Entries 38
Mean 0.003668
Std Dev 0.2631

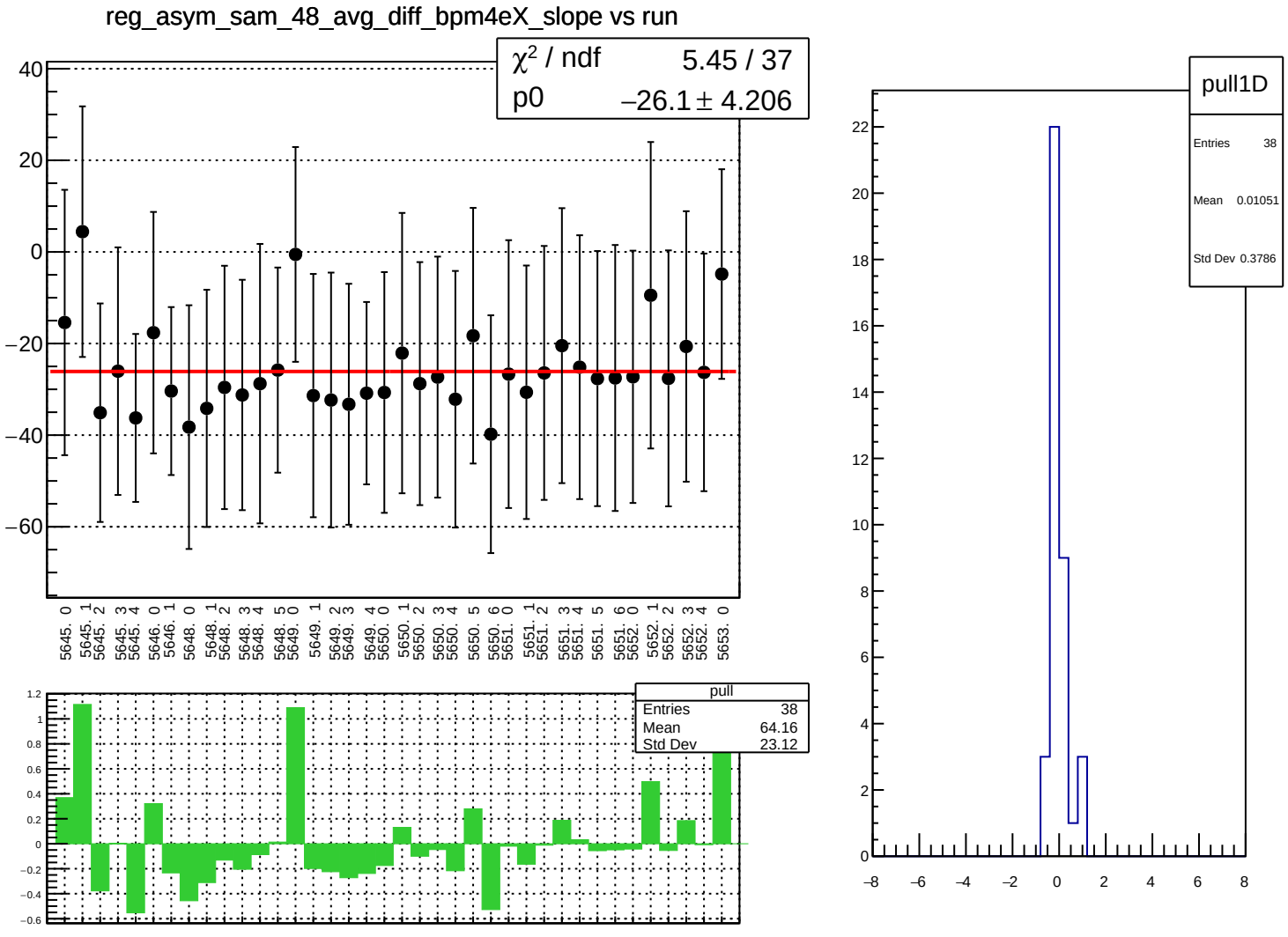

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.14 / 37
p0 −47.07 ± 5.47
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 25.02
Std Dev 15.1
2
1
0
−1
−2
−3
−4
pull1D
Entries 38
Mean 0.1858
Std Dev 1.179
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

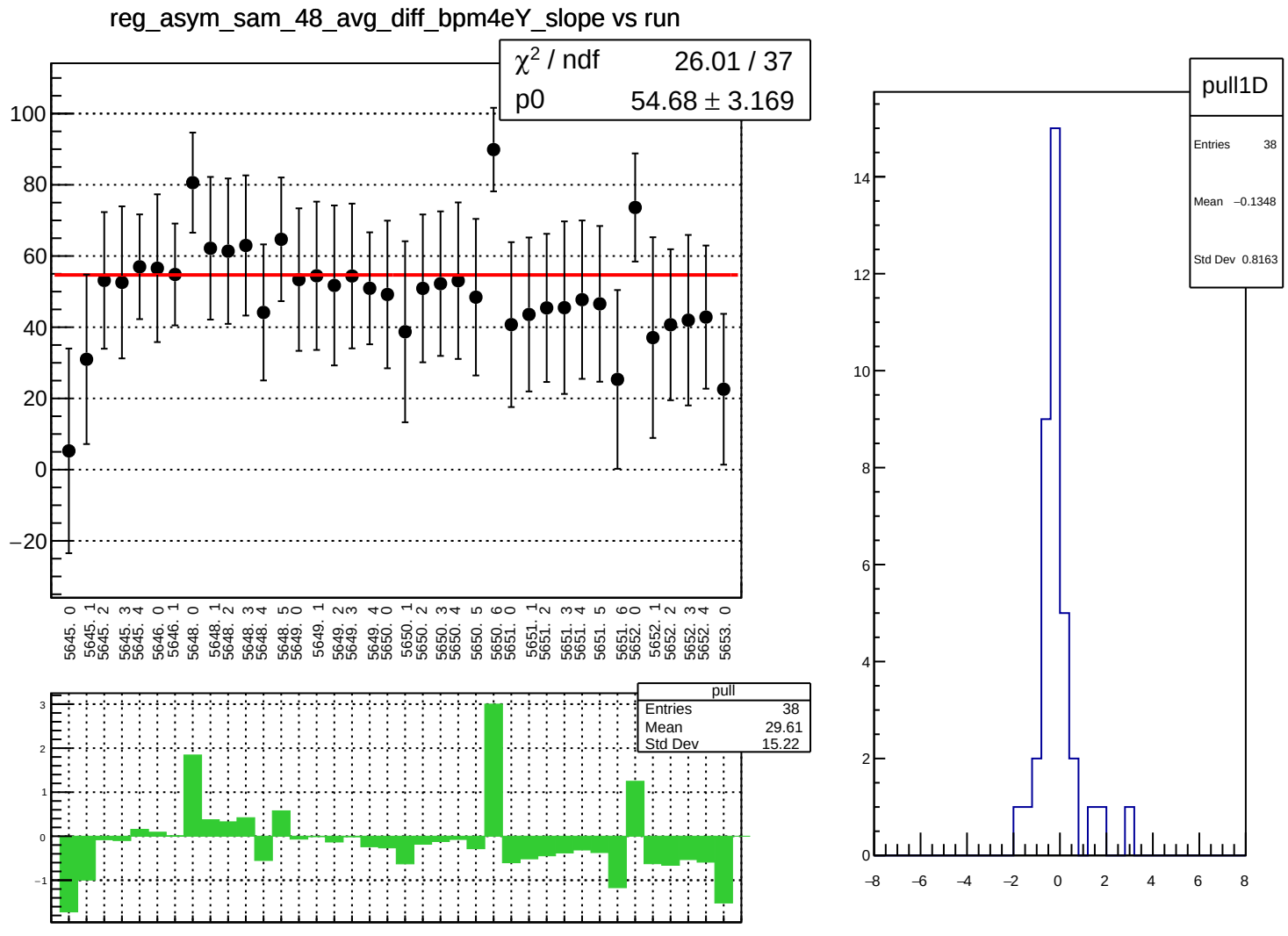

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.954 / 37
p0 0.08435 ± 0.1661
pull
Entries 38
Mean 1802
Std Dev 1784

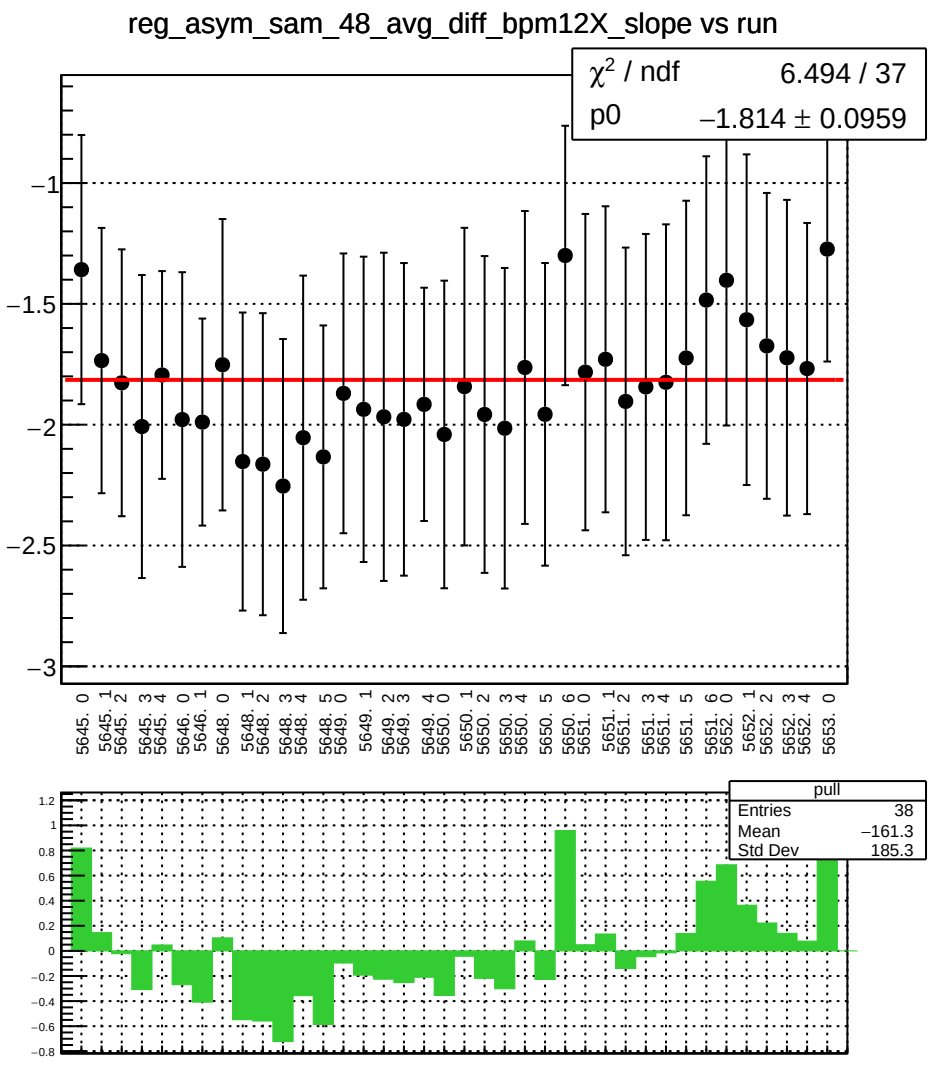

pull1D
Entries 38
Mean −0.0005922
Std Dev 0.2788

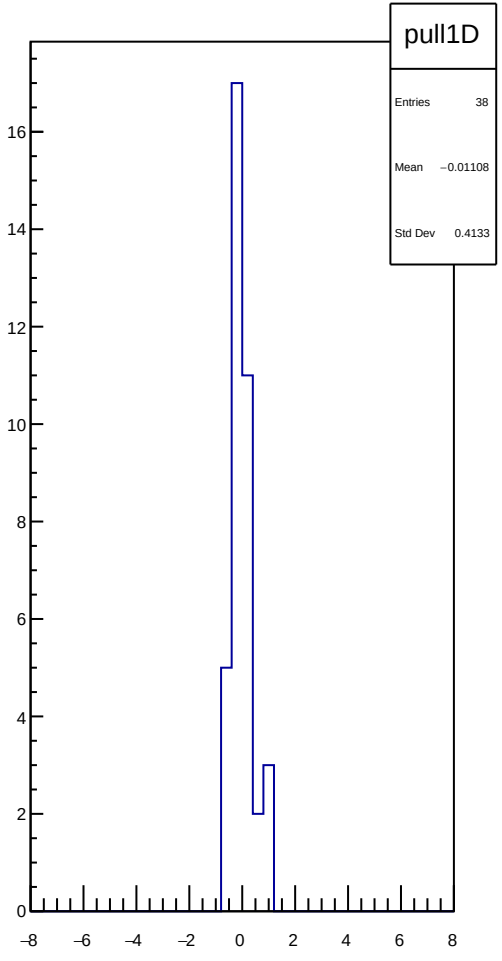

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.084 / 37
p0 −46.38 ± 4.218
pull
Entries 38
Mean 70.13
Std Dev 43.29
pull1D
Entries 38
Mean −0.01622
Std Dev 0.3654

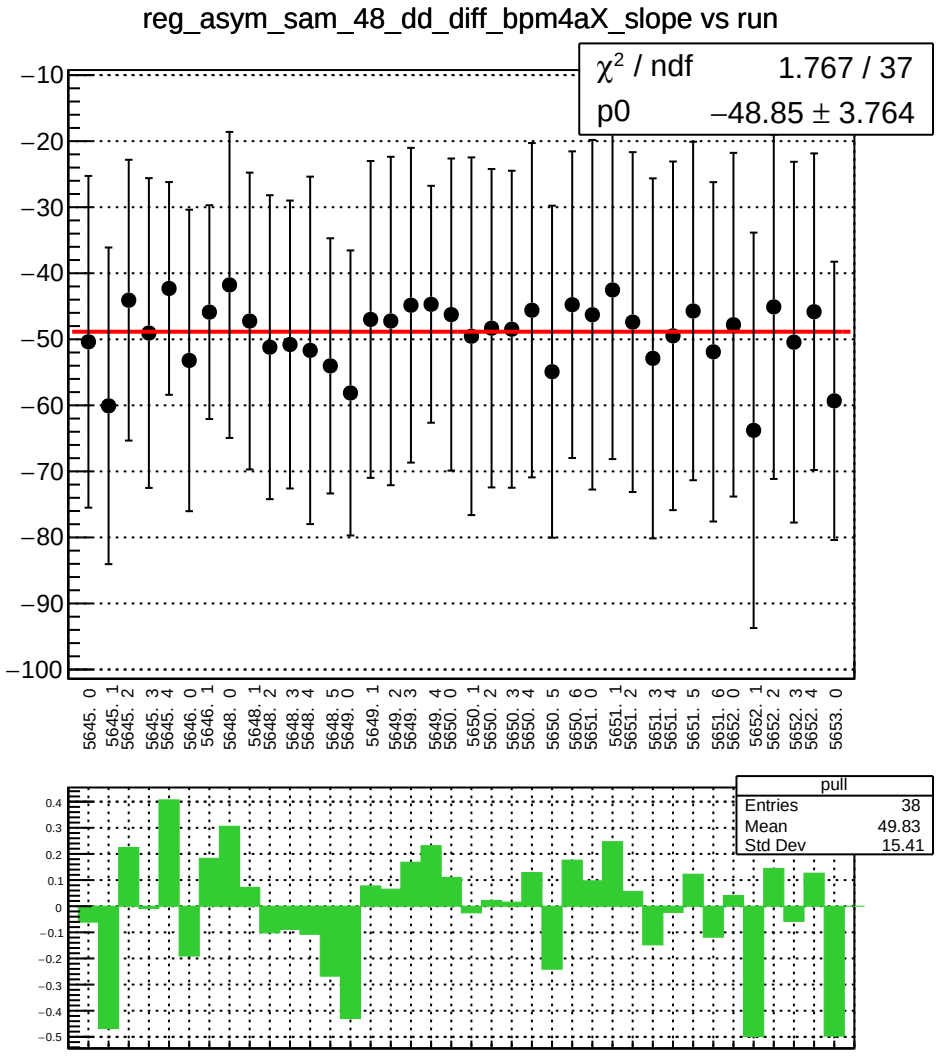

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.47 / 37
p0 16.64 ± 2.516
pull
Entries 38
Mean 21.46
Std Dev 17.82
pull1D
Entries 38
Mean 0.1362
Std Dev 0.7908

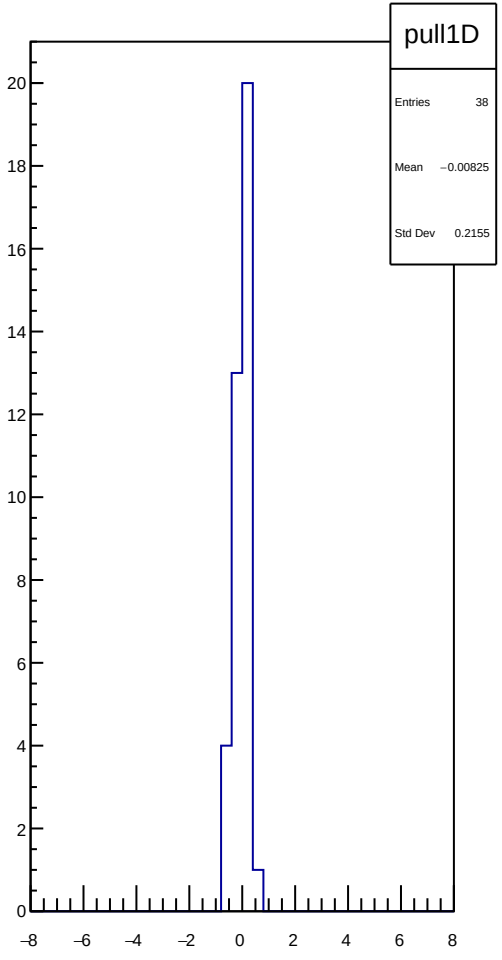

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.45 / 37
p0 −26.1 ± 4.206
pull
Entries 38
Mean 64.16
Std Dev 23.12
pull1D
Entries 38
Mean 0.01051
Std Dev 0.3786

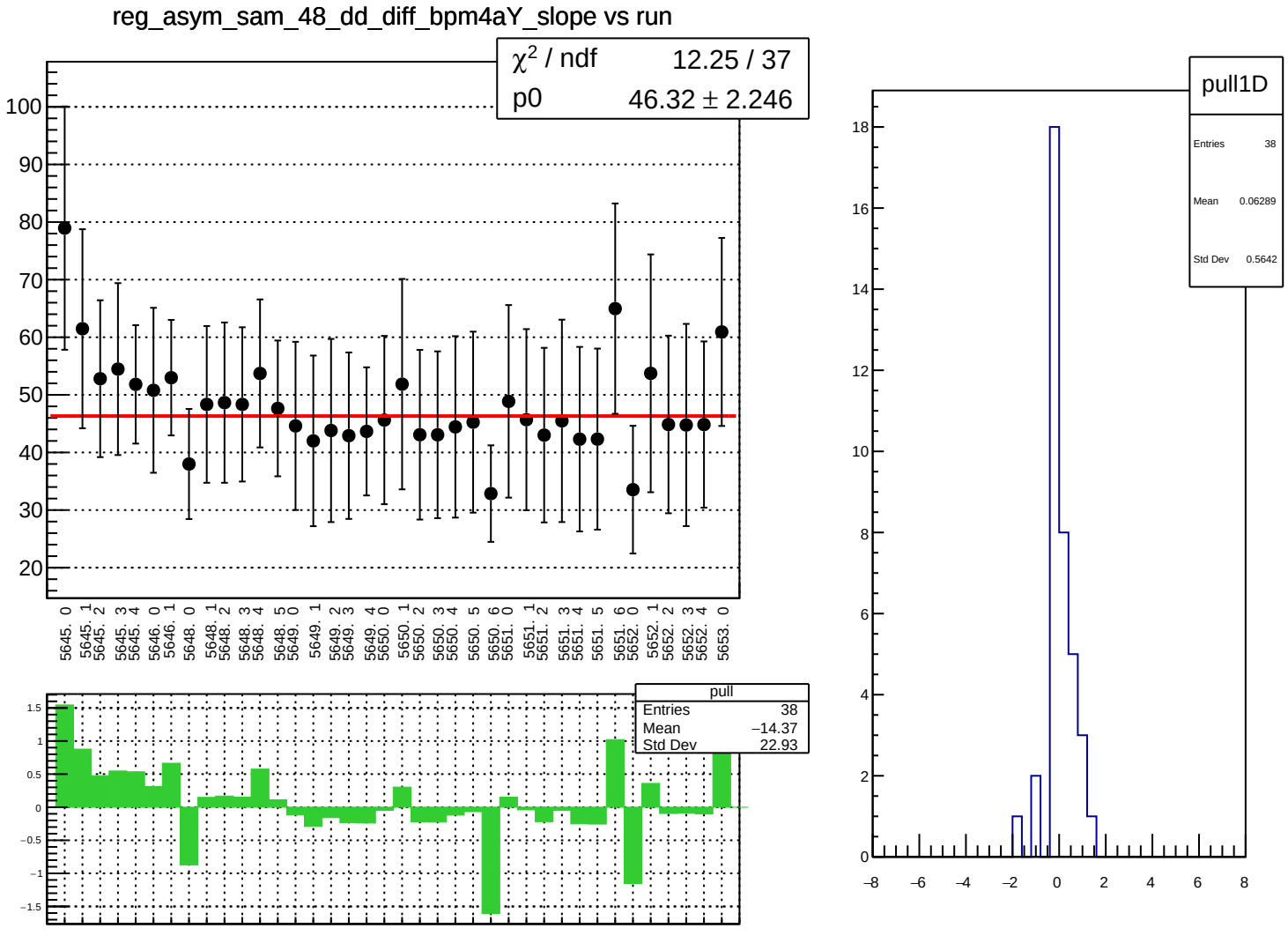

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.01 / 37
p0 54.68 ± 3.169
pull
Entries 38
Mean 29.61
Std Dev 15.22
pull1D
Entries 38
Mean −0.1348
Std Dev 0.8163

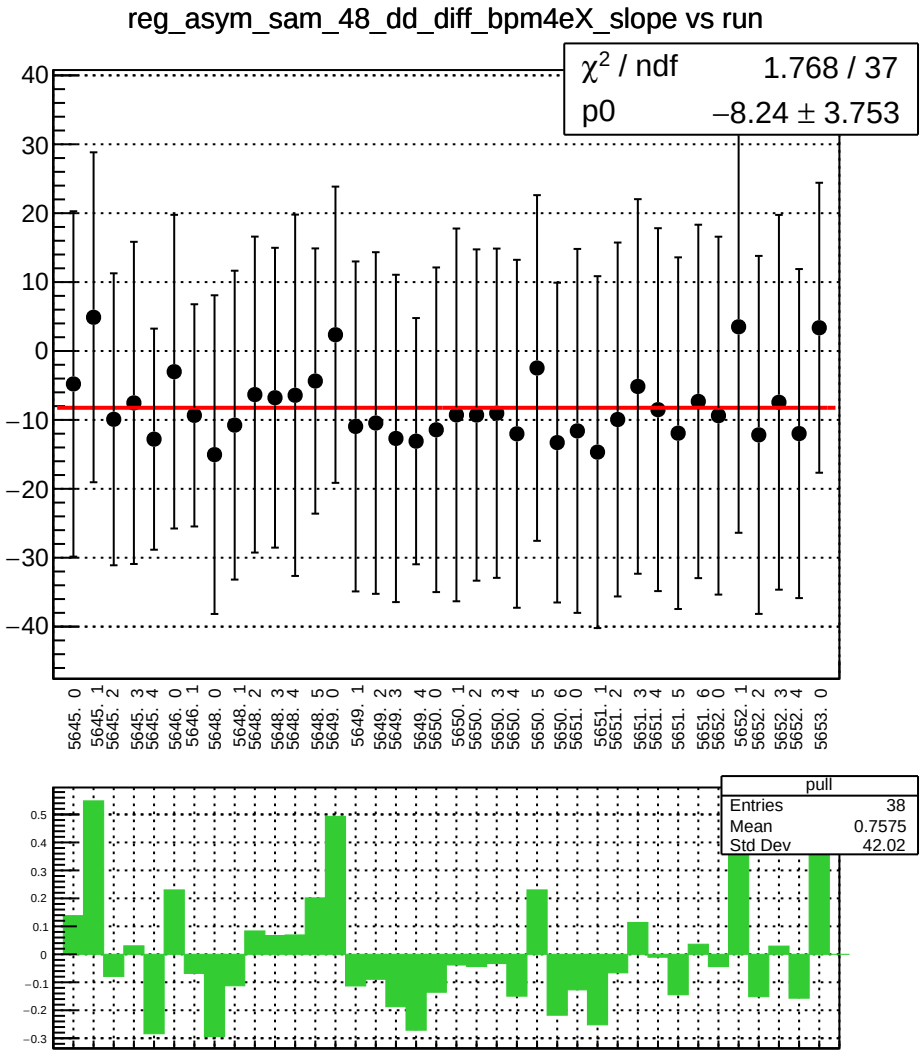

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 6.494 / 37
p0 −1.814 ± 0.0959
pull
Entries 38
Mean −161.3
Std Dev 185.3

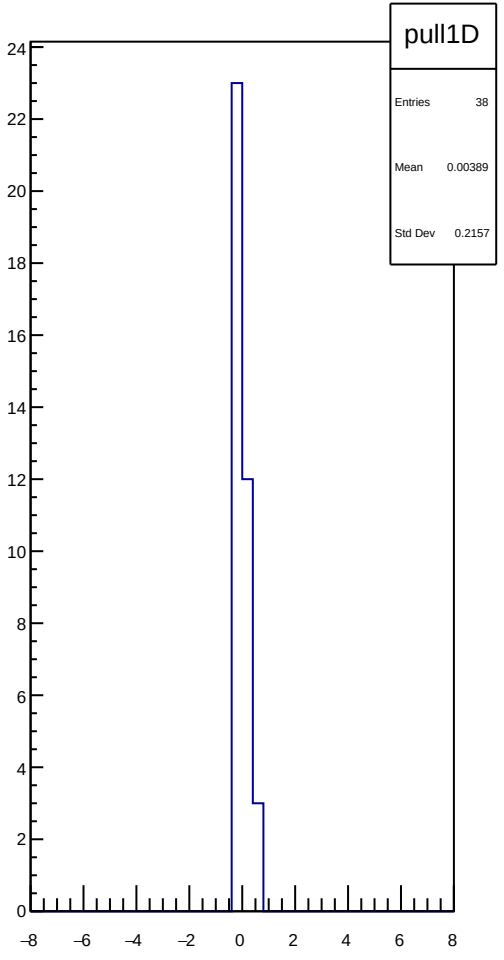

pull1D
Entries 38
Mean −0.01108
Std Dev 0.4133

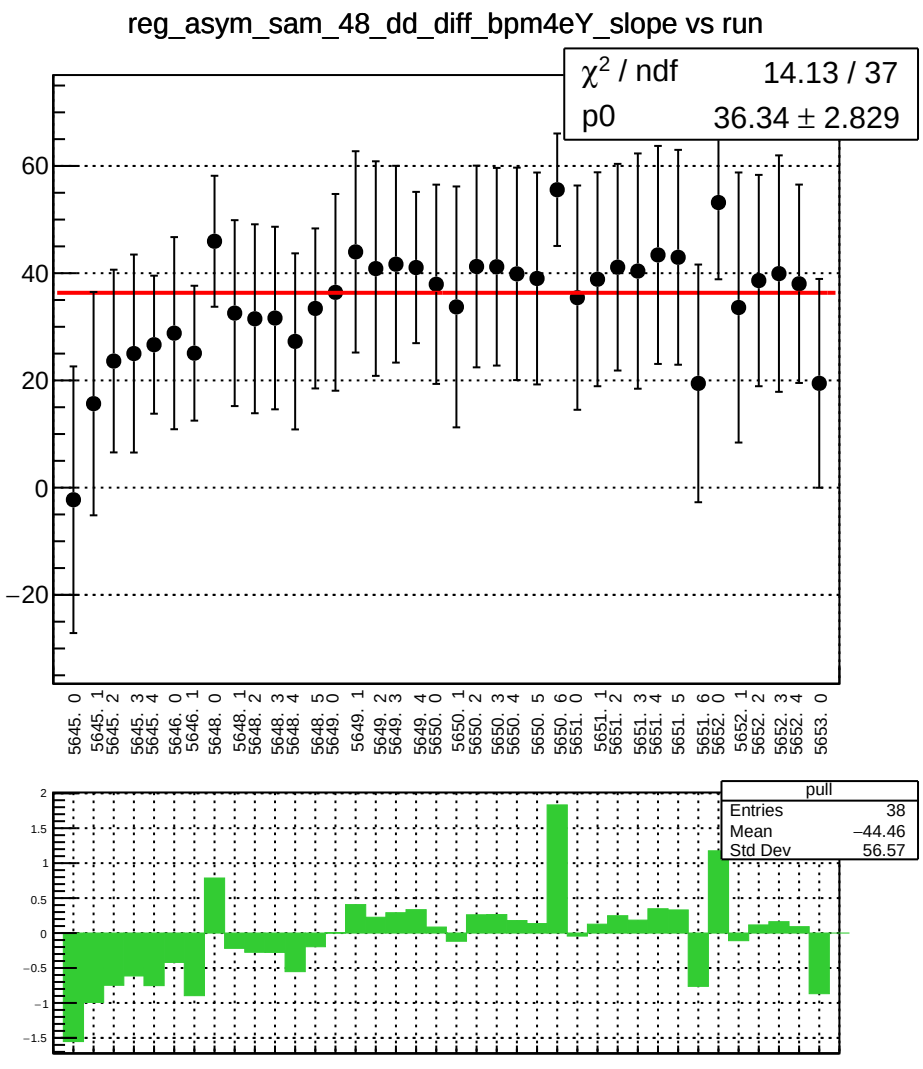

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.767 / 37
p0 −48.85 ± 3.764
pull
Entries 38
Mean 49.83
Std Dev 15.41

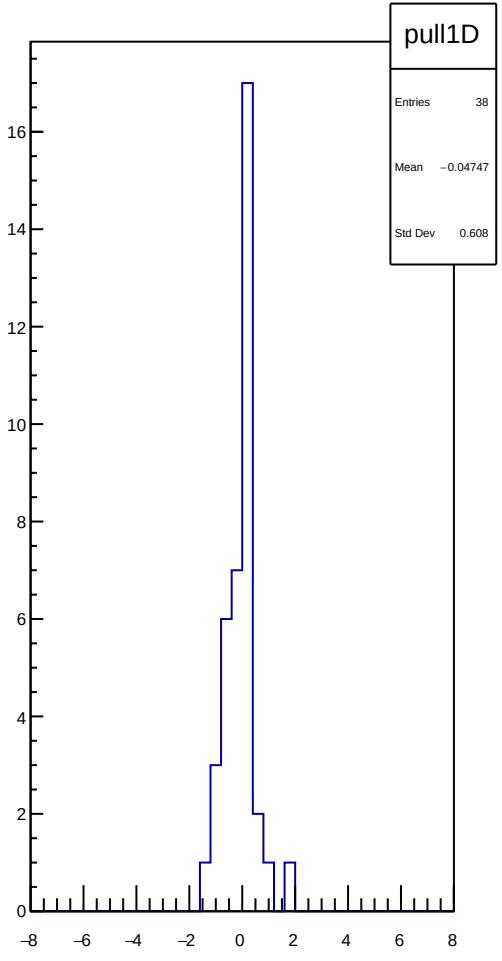

pull1D
Entries 38
Mean −0.00825
Std Dev 0.2155

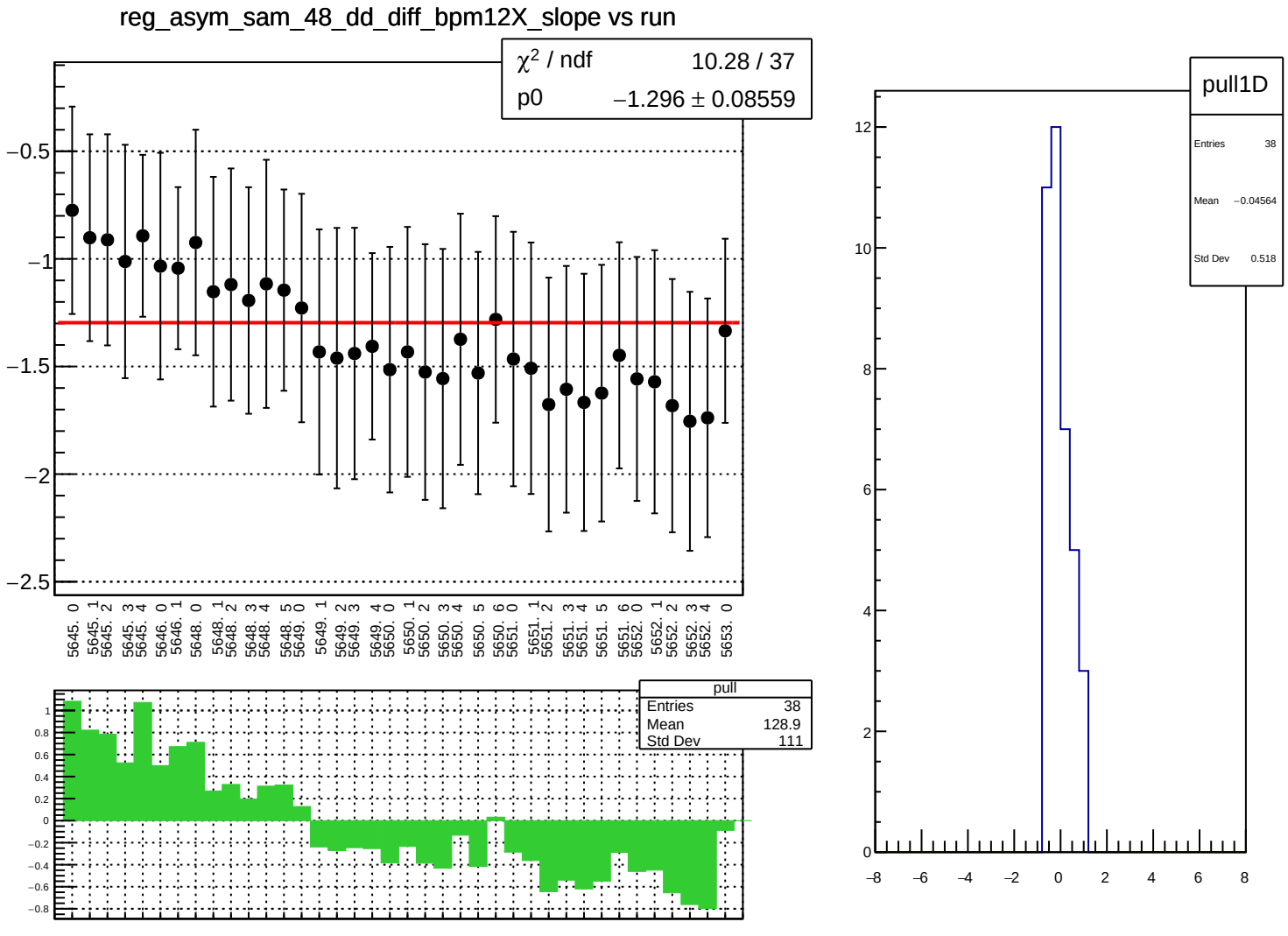

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.25 / 37
p0 46.32 ± 2.246
pull
Entries 38
Mean −14.37
Std Dev 22.93
pull1D
Entries 38
Mean 0.06289
Std Dev 0.5642

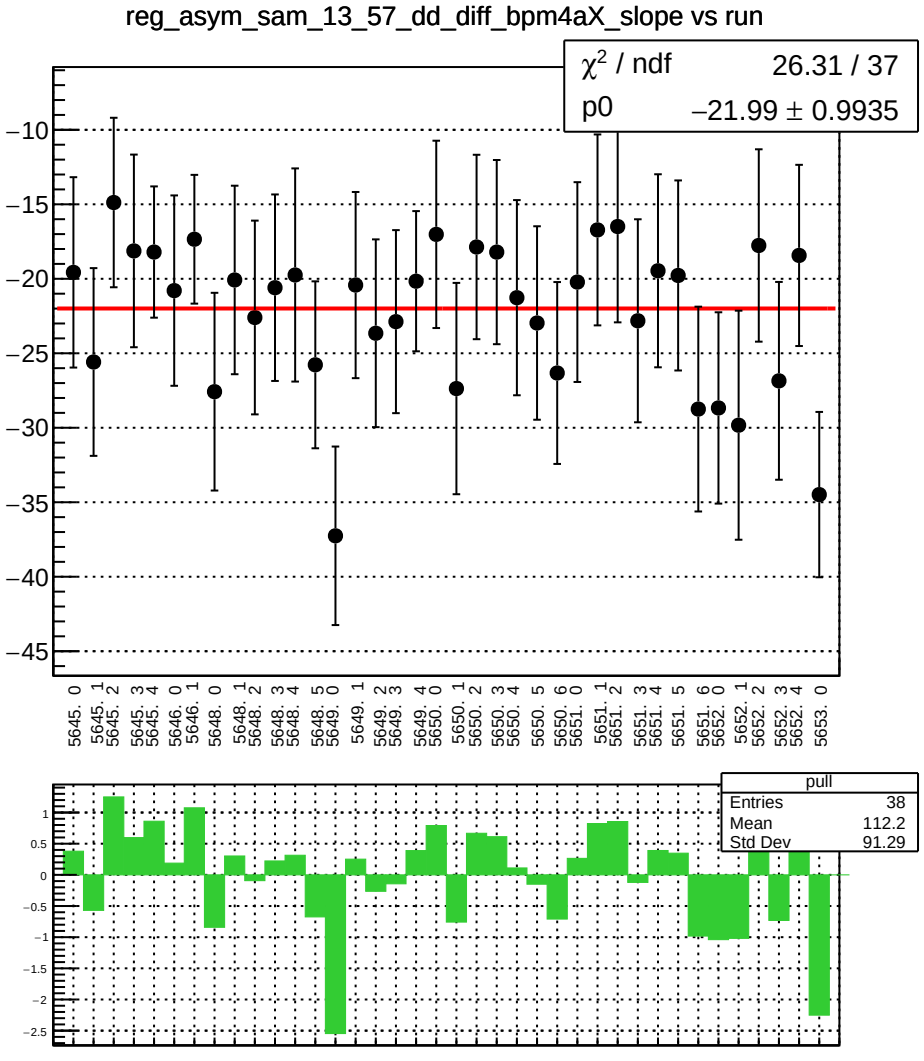

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.768 / 37
p0 −8.24 ± 3.753
pull
Entries 38
Mean 0.7575
Std Dev 42.02

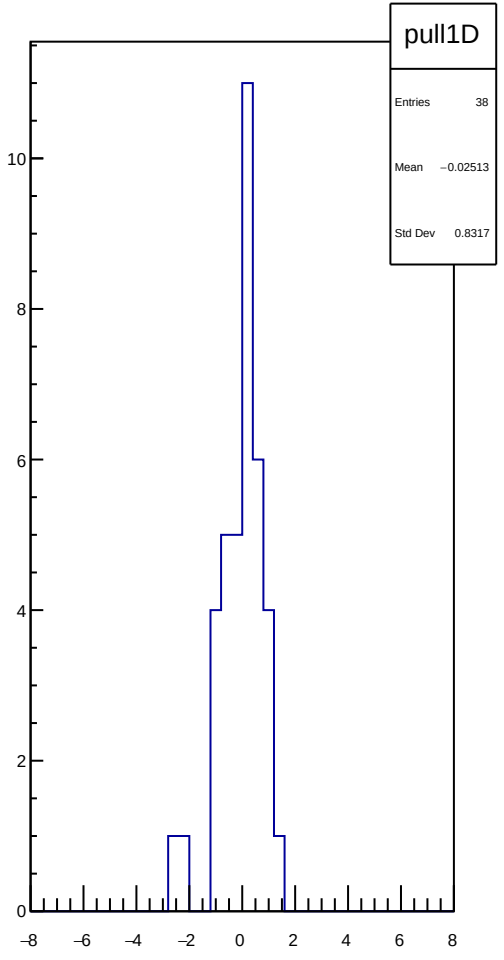

pull1D
Entries 38
Mean 0.00389
Std Dev 0.2157

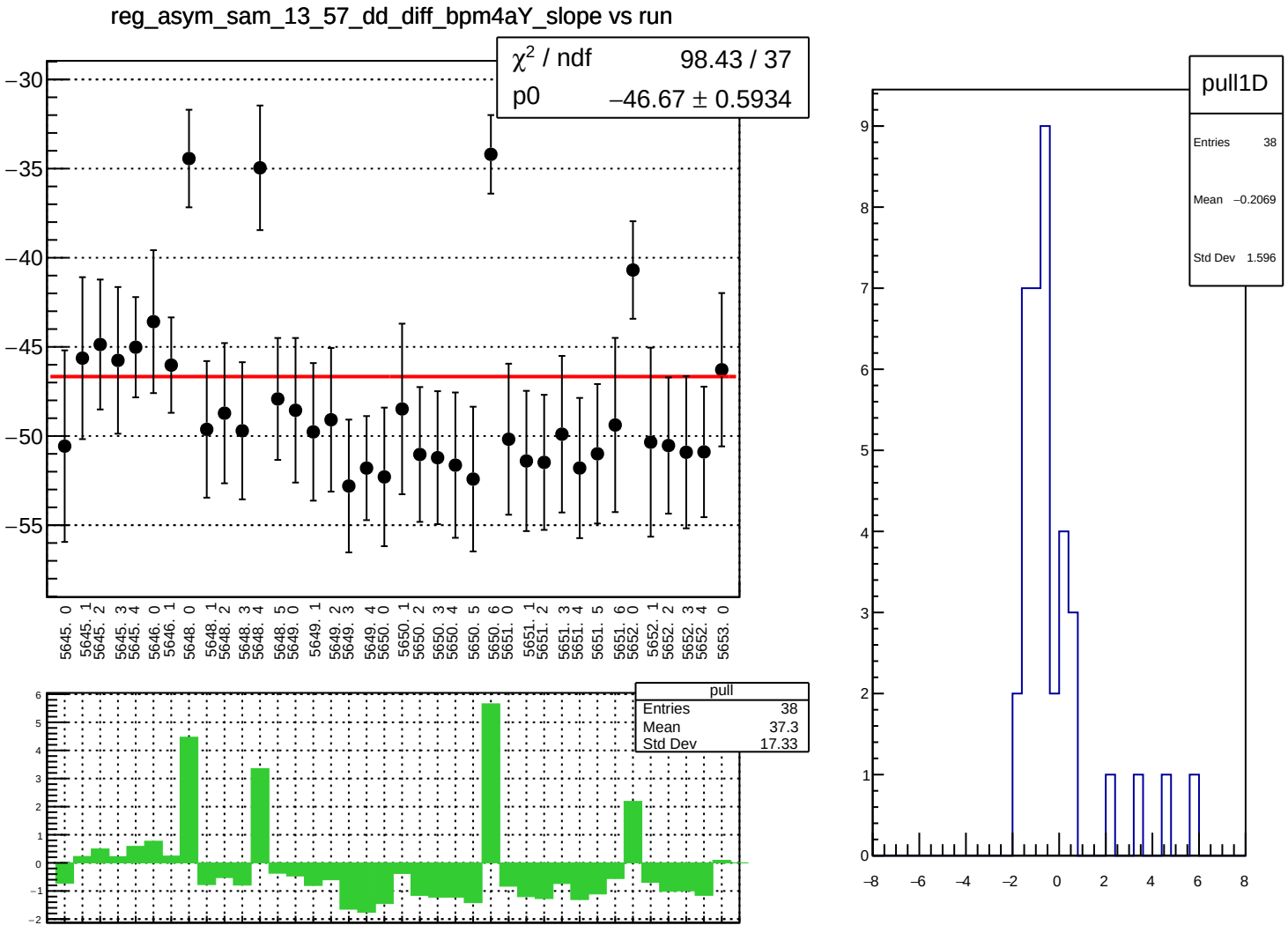

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.13 / 37
p0 36.34 ± 2.829
pull
Entries 38
Mean −44.46
Std Dev 56.57

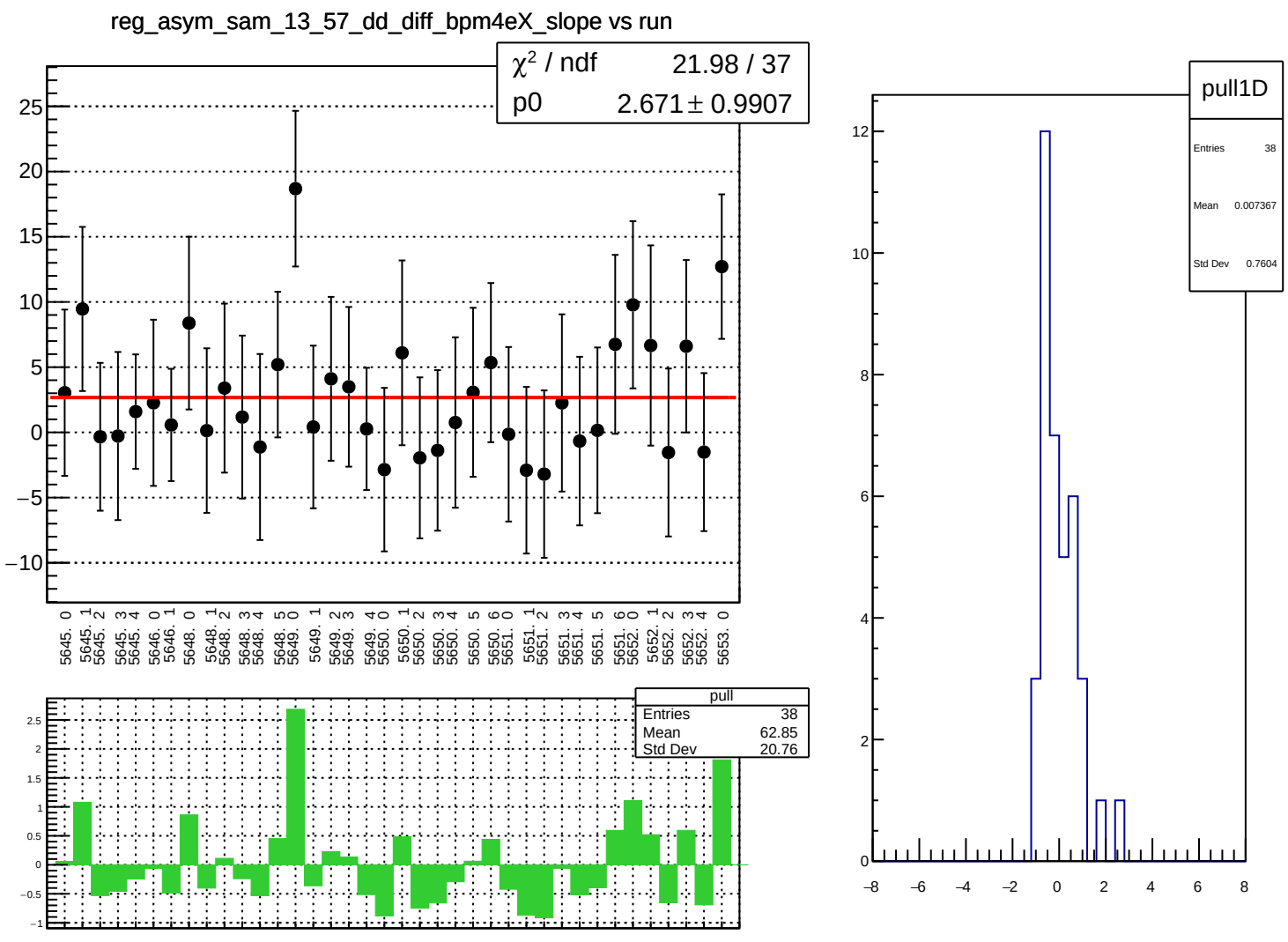

pull1D
Entries 38
Mean −0.04747
Std Dev 0.608

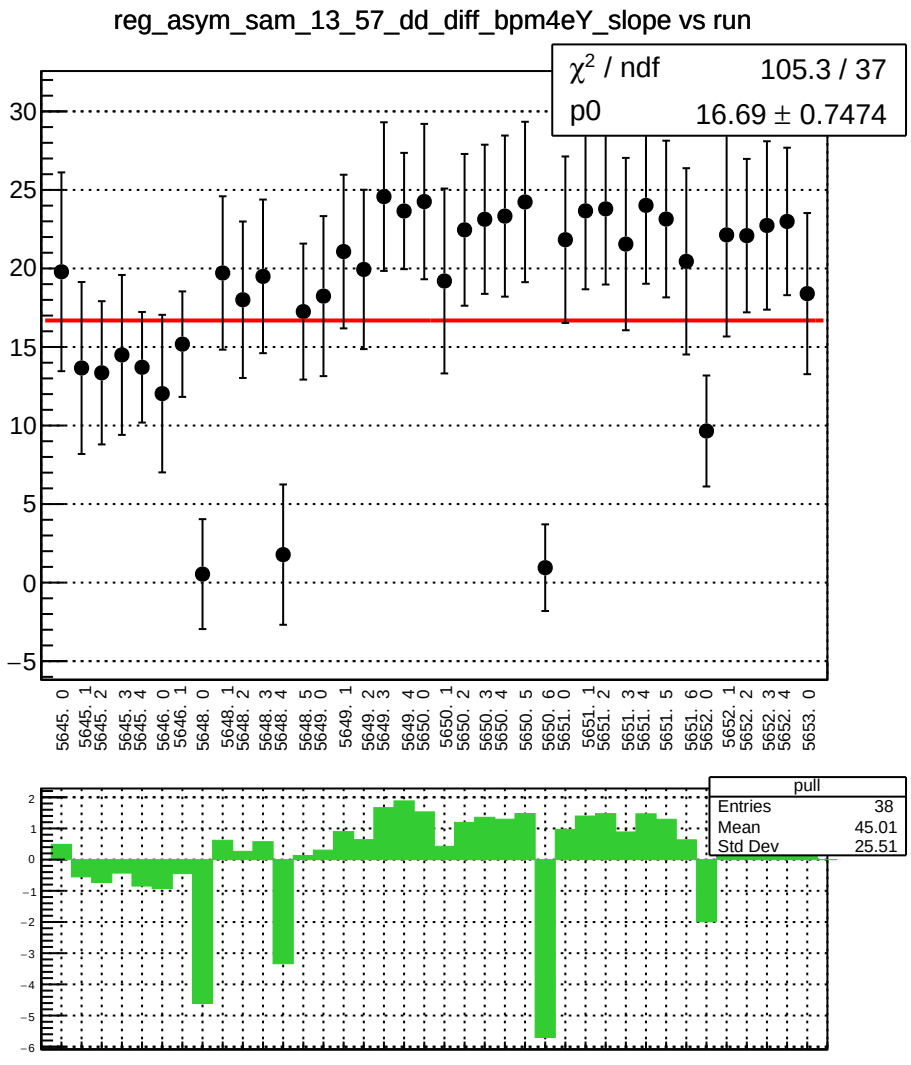

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.28 / 37
p0 −1.296 ± 0.08559
−0.5
−1
−1.5
−2
−2.5
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 128.9
Std Dev 111
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 38
Mean −0.04564
Std Dev 0.518
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

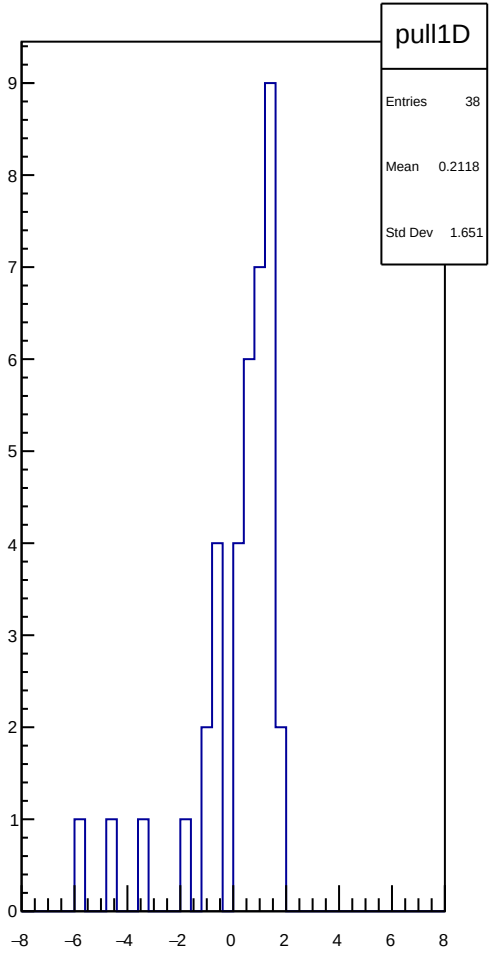

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 26.31 / 37
p0 −21.99 ± 0.9935
pull
Entries 38
Mean 112.2
Std Dev 91.29

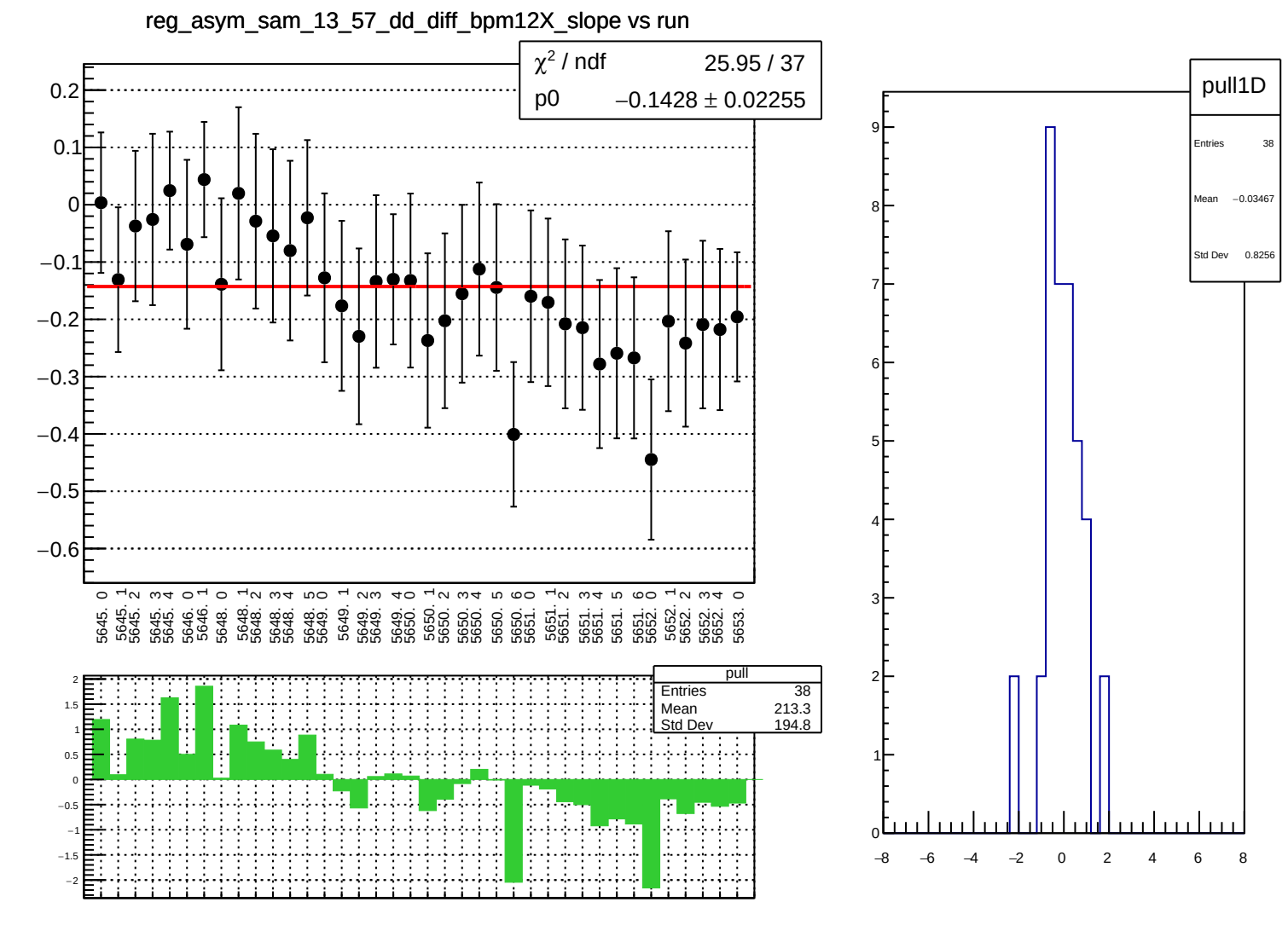

pull1D
Entries 38
Mean −0.02513
Std Dev 0.8317

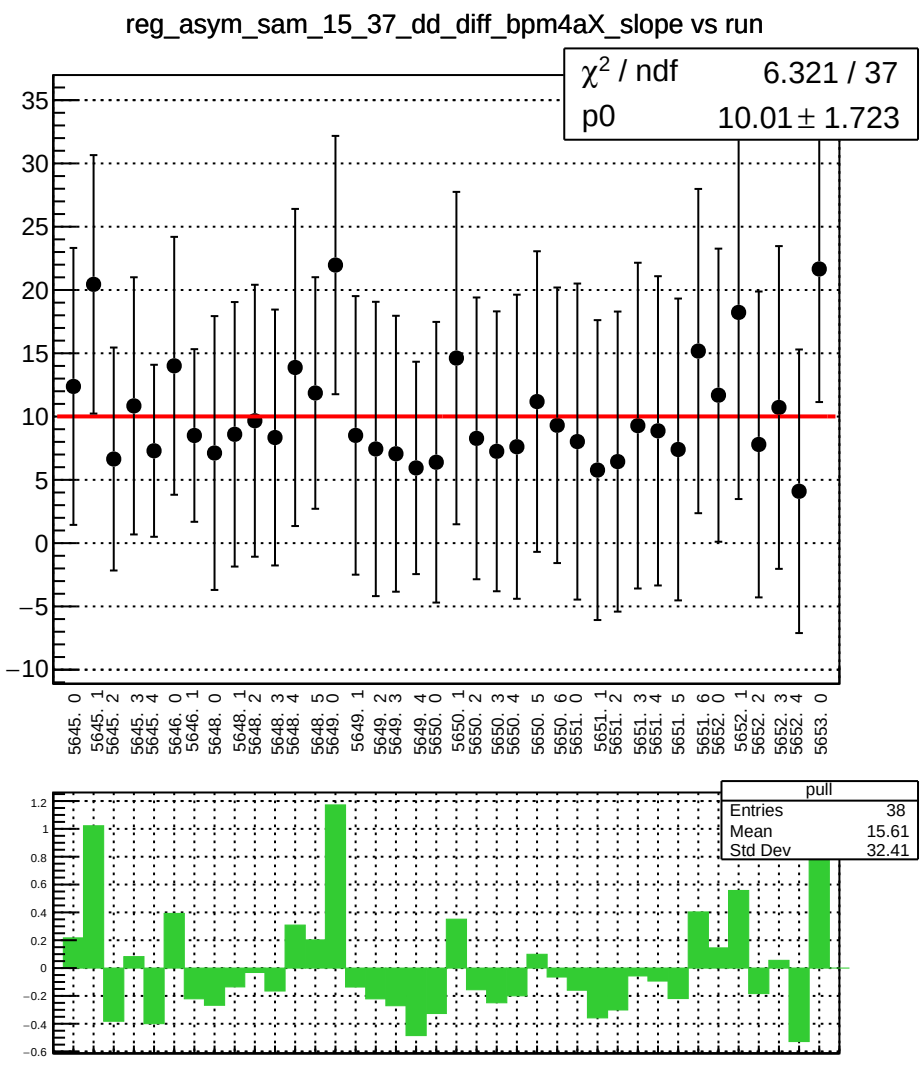

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 98.43 / 37
p0 −46.67 ± 0.5934
−30
−35
−40
−45
−50
−55
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 37.3
Std Dev 17.33
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 38
Mean −0.2069
Std Dev 1.596
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

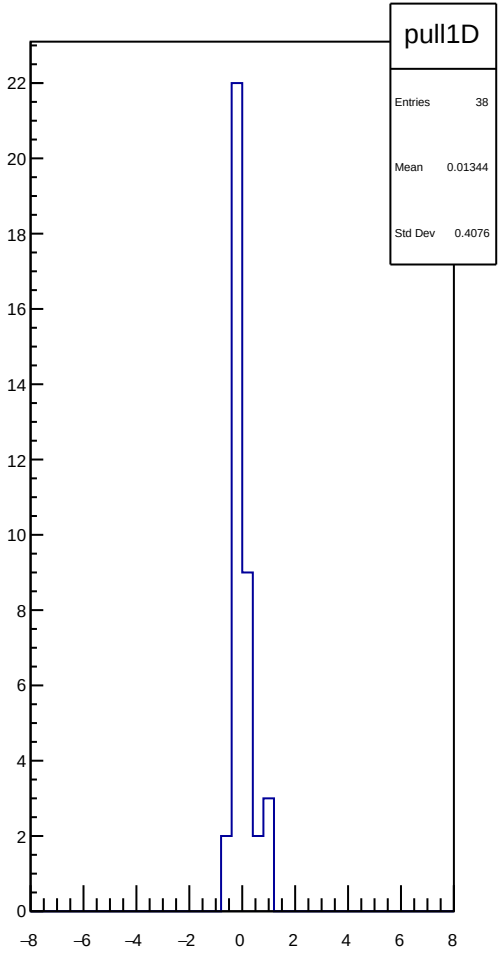

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.98 / 37
p0 2.671 ± 0.9907
pull
Entries 38
Mean 62.85
Std Dev 20.76
pull1D
Entries 38
Mean 0.007367
Std Dev 0.7604

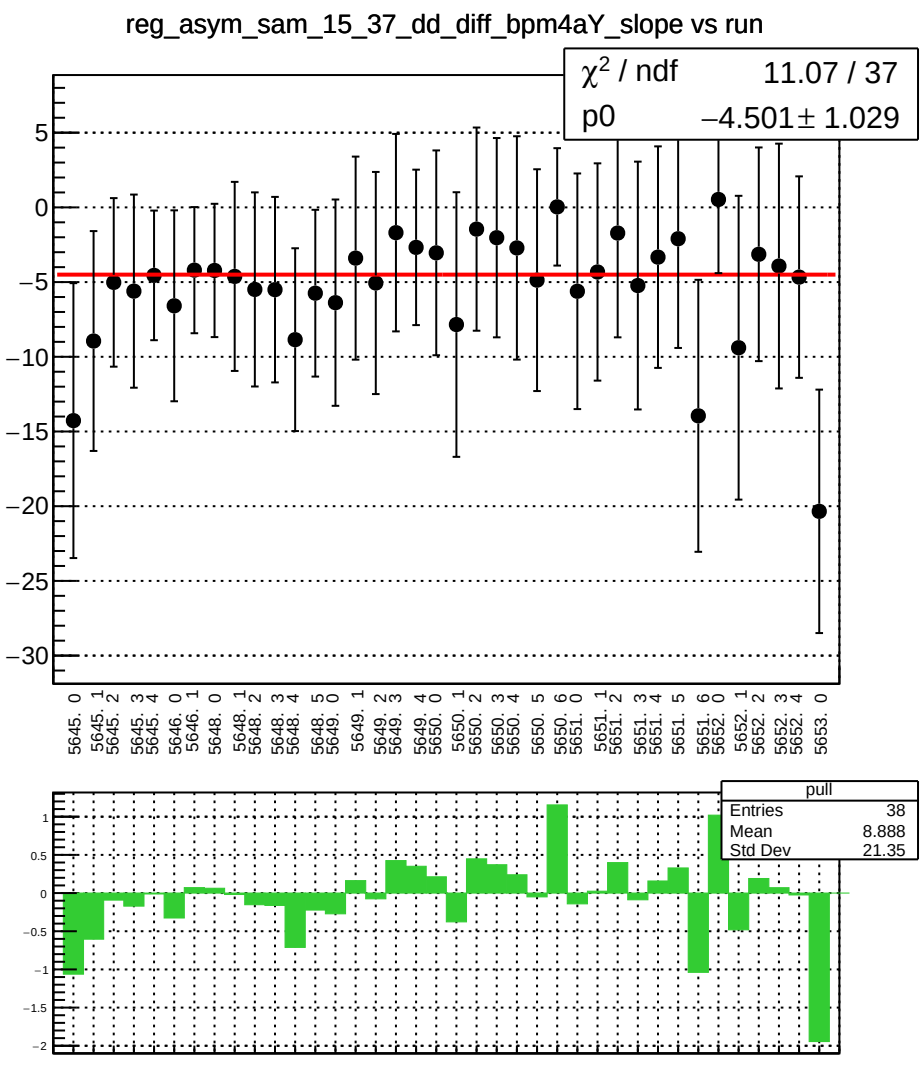

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 105.3 / 37
p0 16.69 ± 0.7474
pull
Entries 38
Mean 45.01
Std Dev 25.51

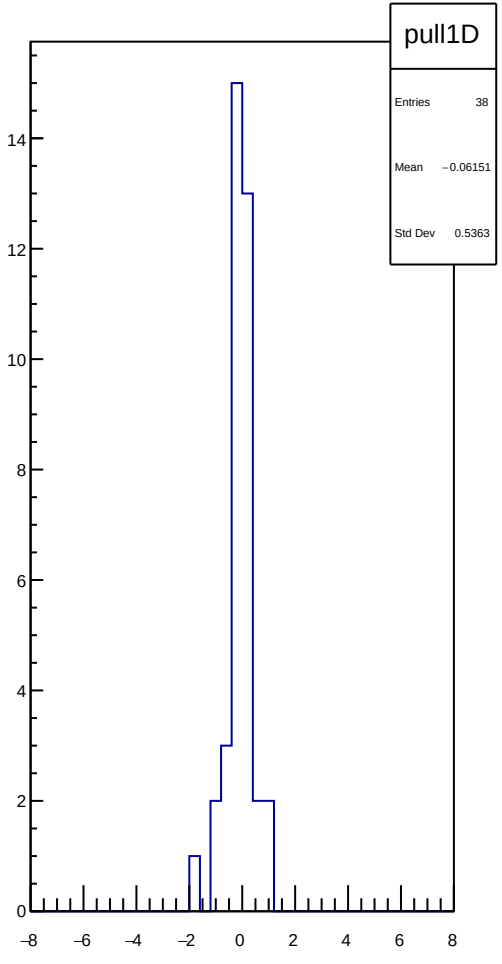

pull1D
Entries 38
Mean 0.2118
Std Dev 1.651

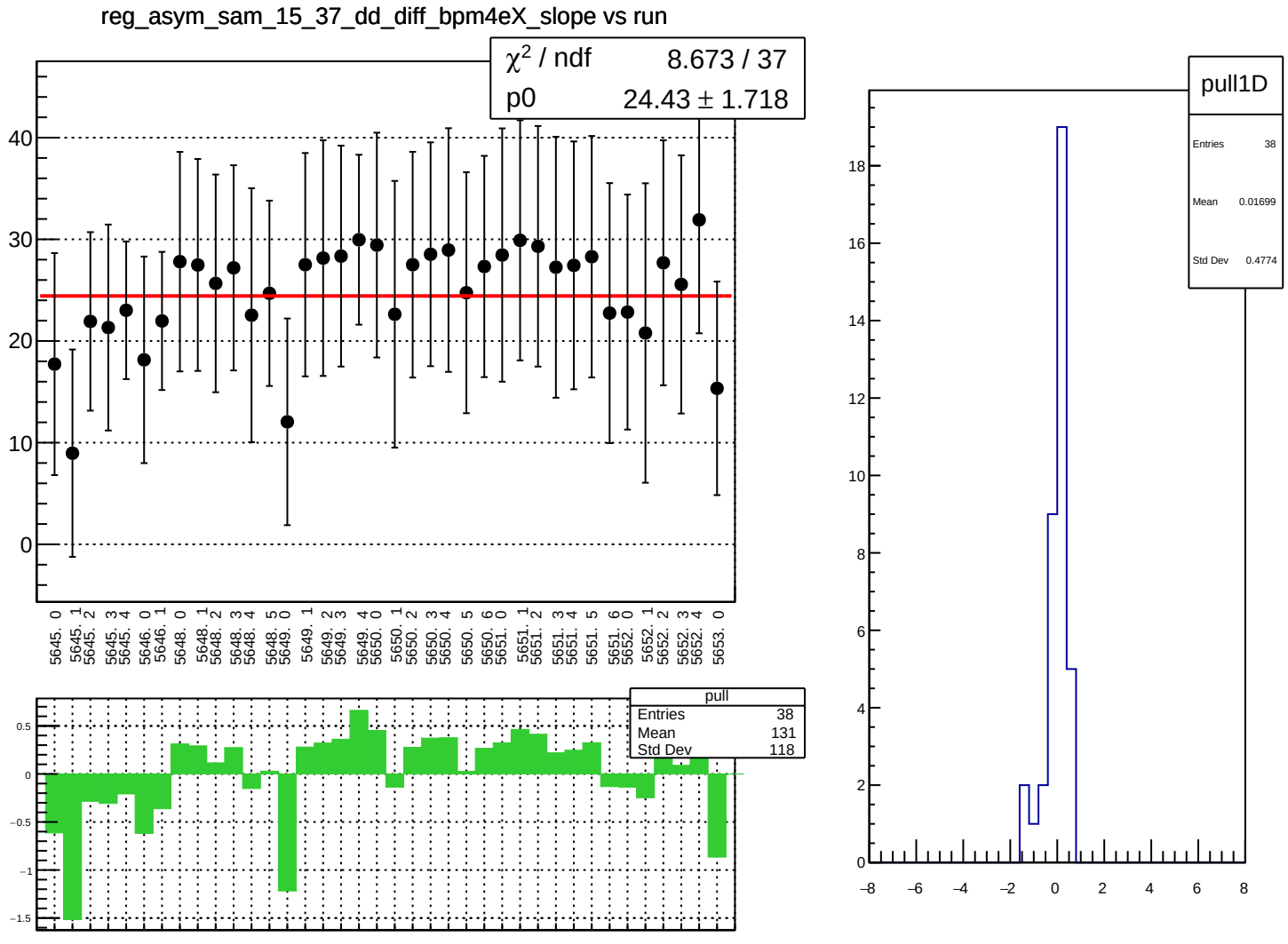

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 25.95 / 37
p0 −0.1428 ± 0.02255
pull
Entries 38
Mean 213.3
Std Dev 194.8
pull1D
Entries 38
Mean −0.03467
Std Dev 0.8256

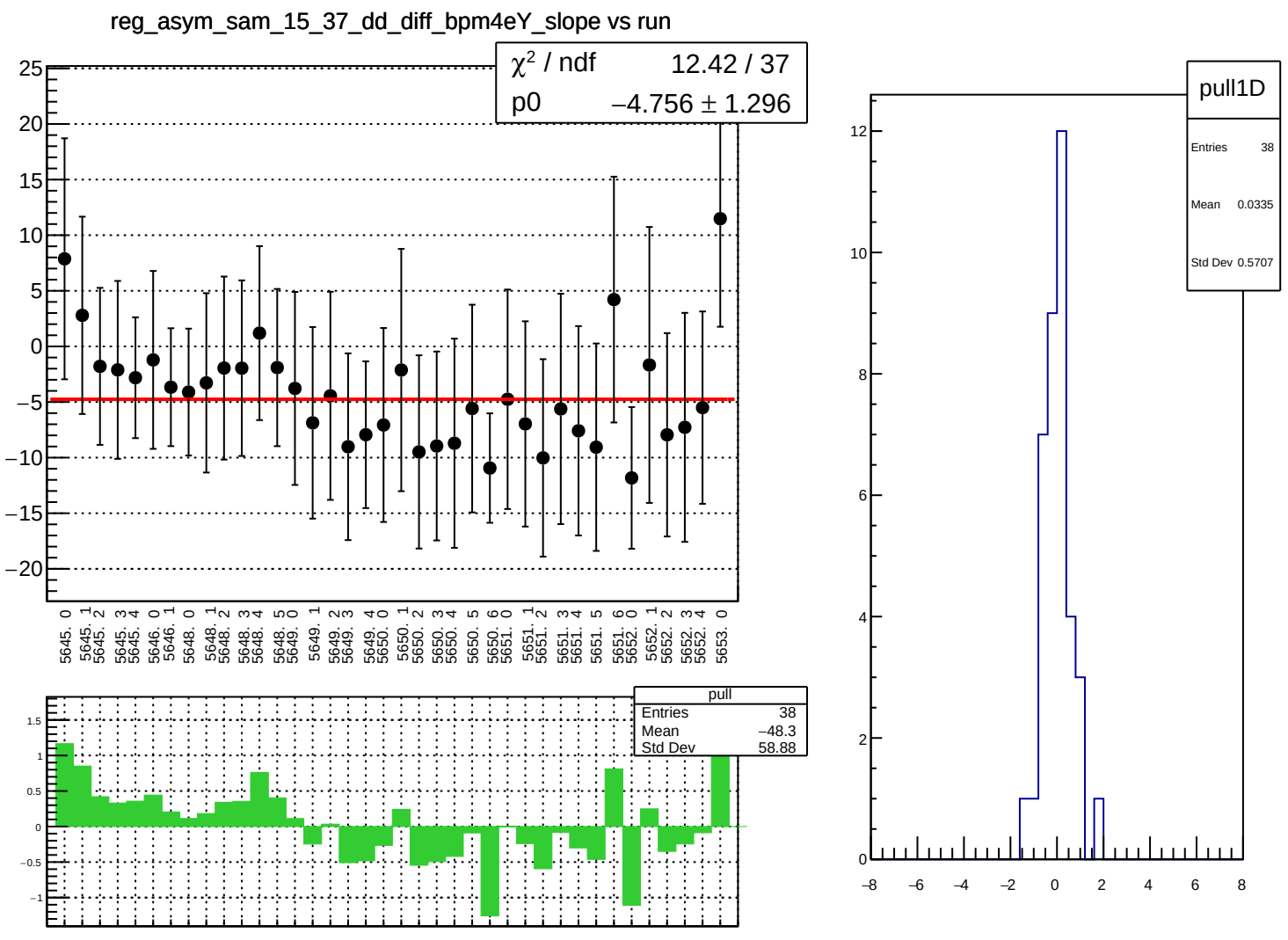

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.321 / 37
p0 10.01 ± 1.723
pull
Entries 38
Mean 15.61
Std Dev 32.41

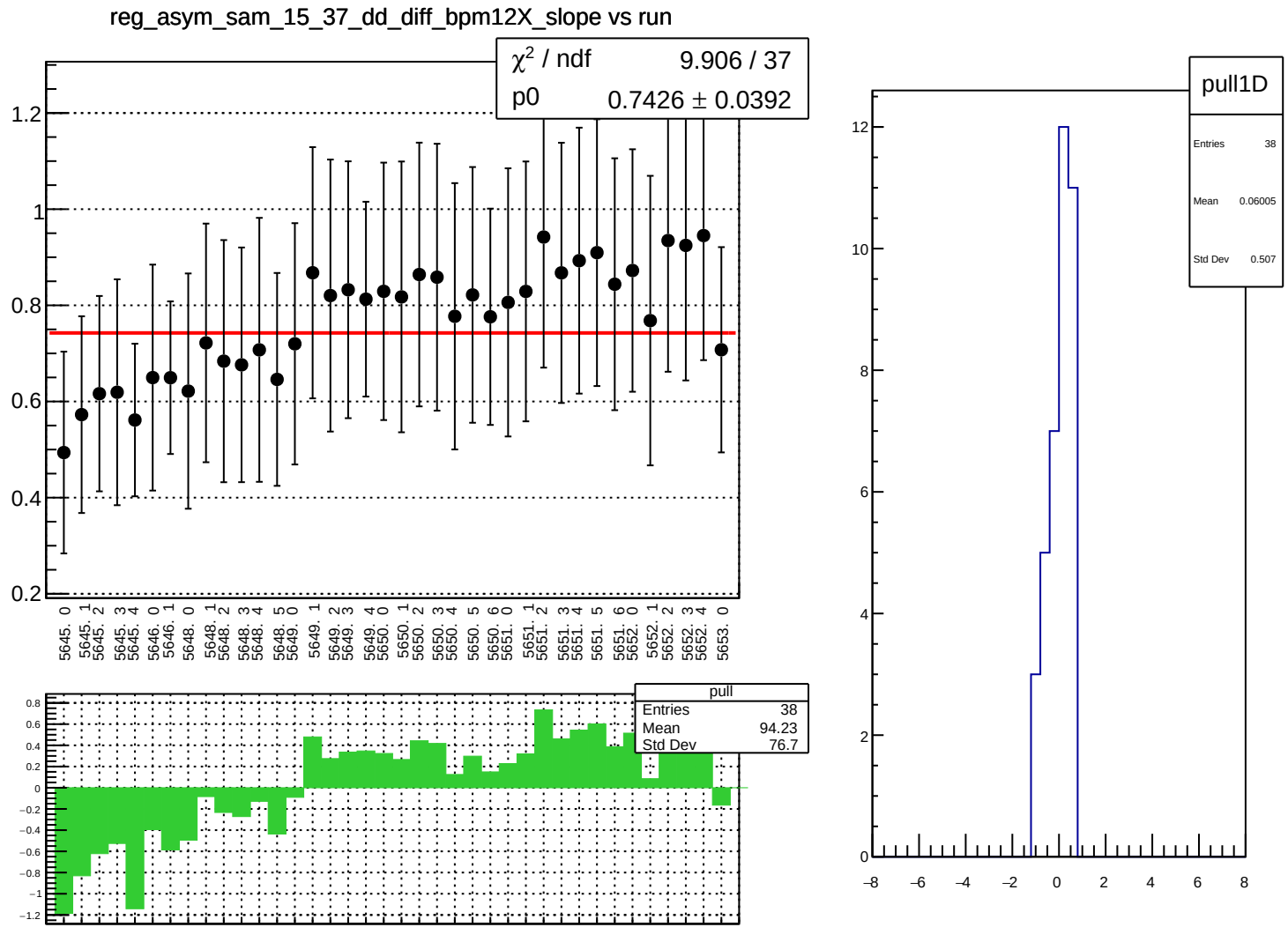

pull1D
Entries 38
Mean 0.01344
Std Dev 0.4076

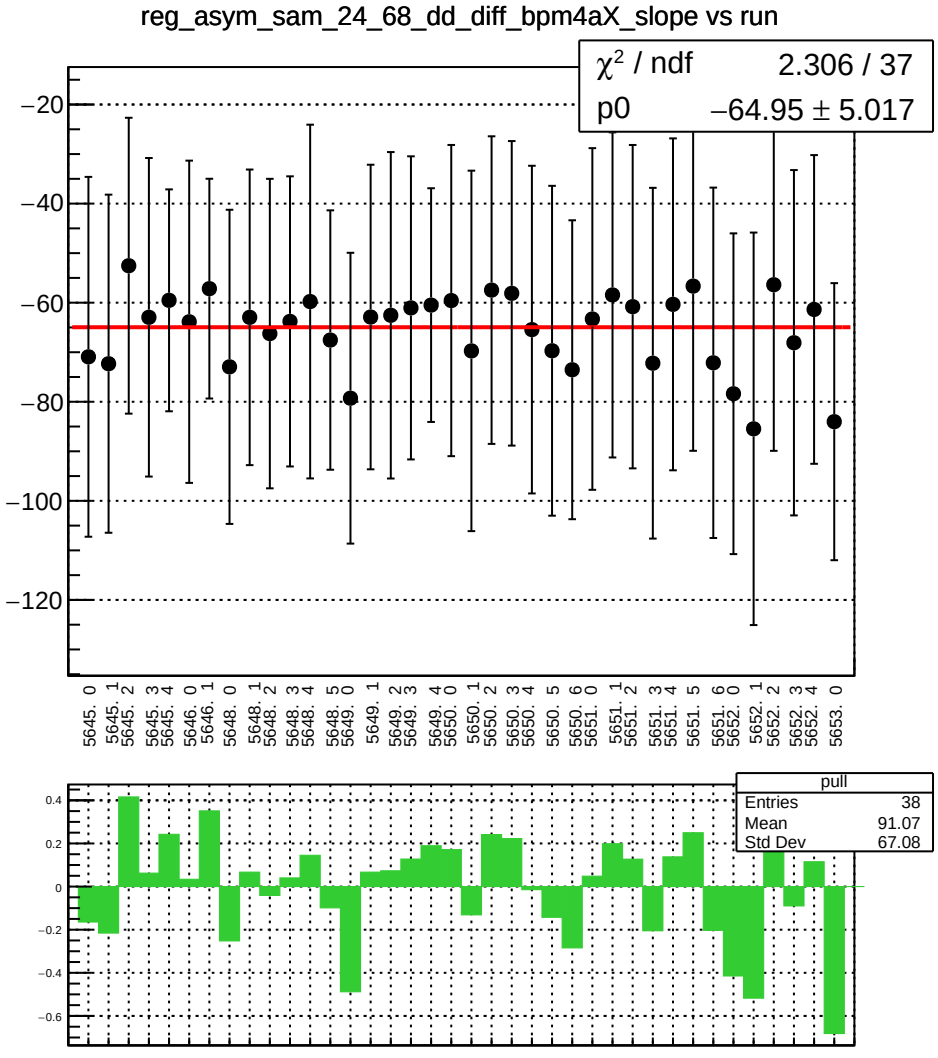

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.07 / 37
p0 −4.501± 1.029
pull
Entries 38
Mean 8.888
Std Dev 21.35

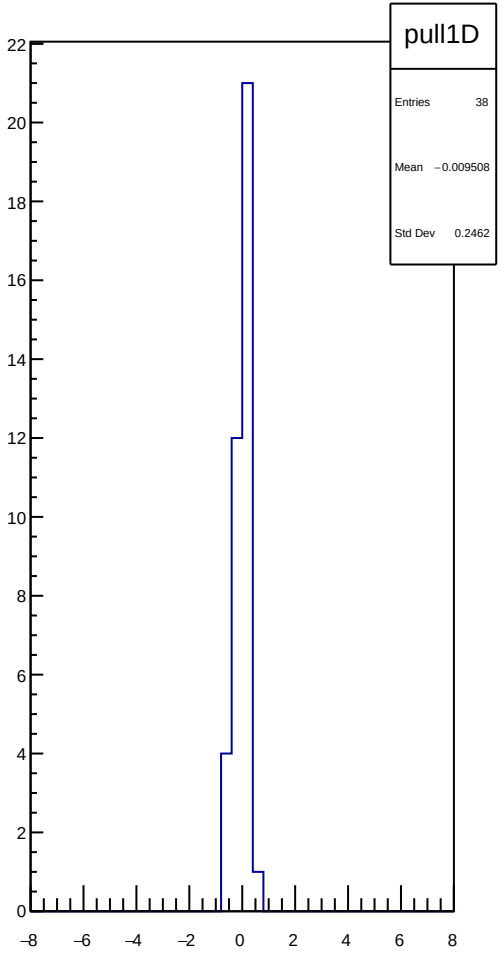

pull1D
Entries 38
Mean −0.06151
Std Dev 0.5363

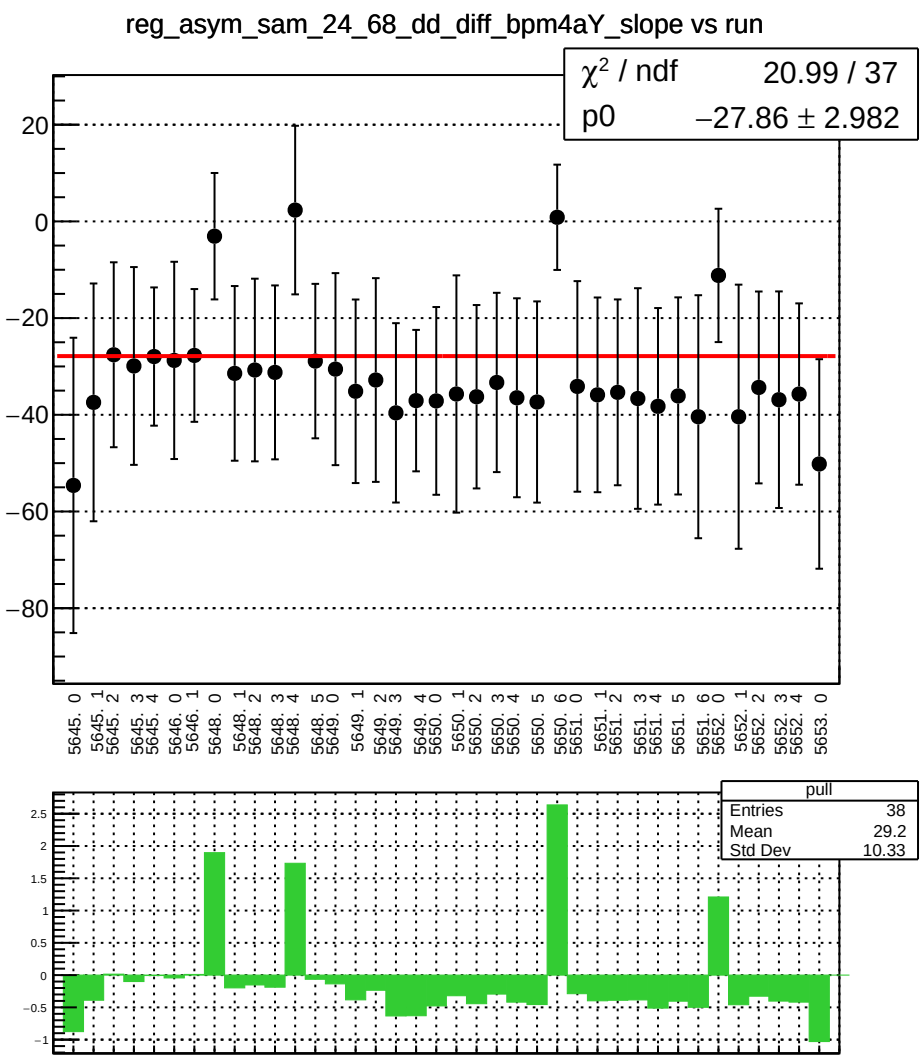

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.673 / 37
p0 24.43 ± 1.718
pull
Entries 38
Mean 131
Std Dev 118
pull1D
Entries 38
Mean 0.01699
Std Dev 0.4774

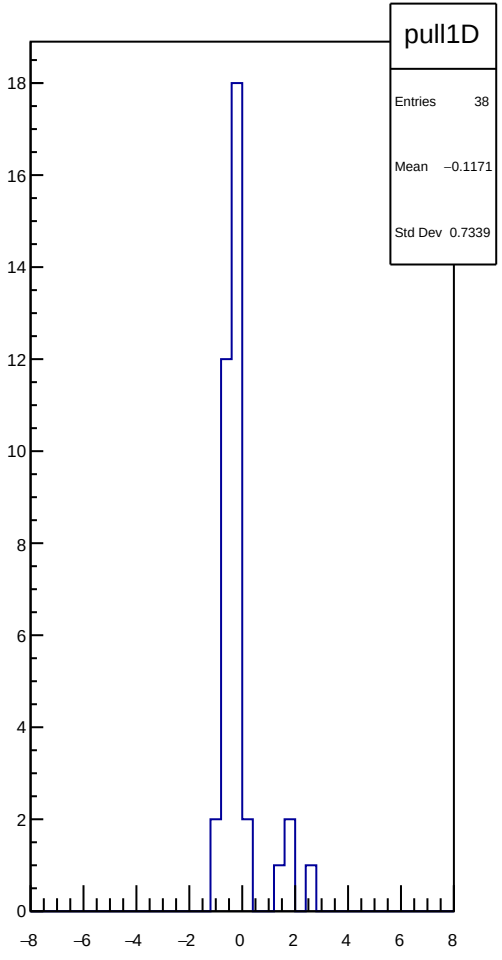

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.42 / 37
p0 −4.756 ± 1.296
pull
Entries 38
Mean −48.3
Std Dev 58.88
pull1D
Entries 38
Mean 0.0335
Std Dev 0.5707

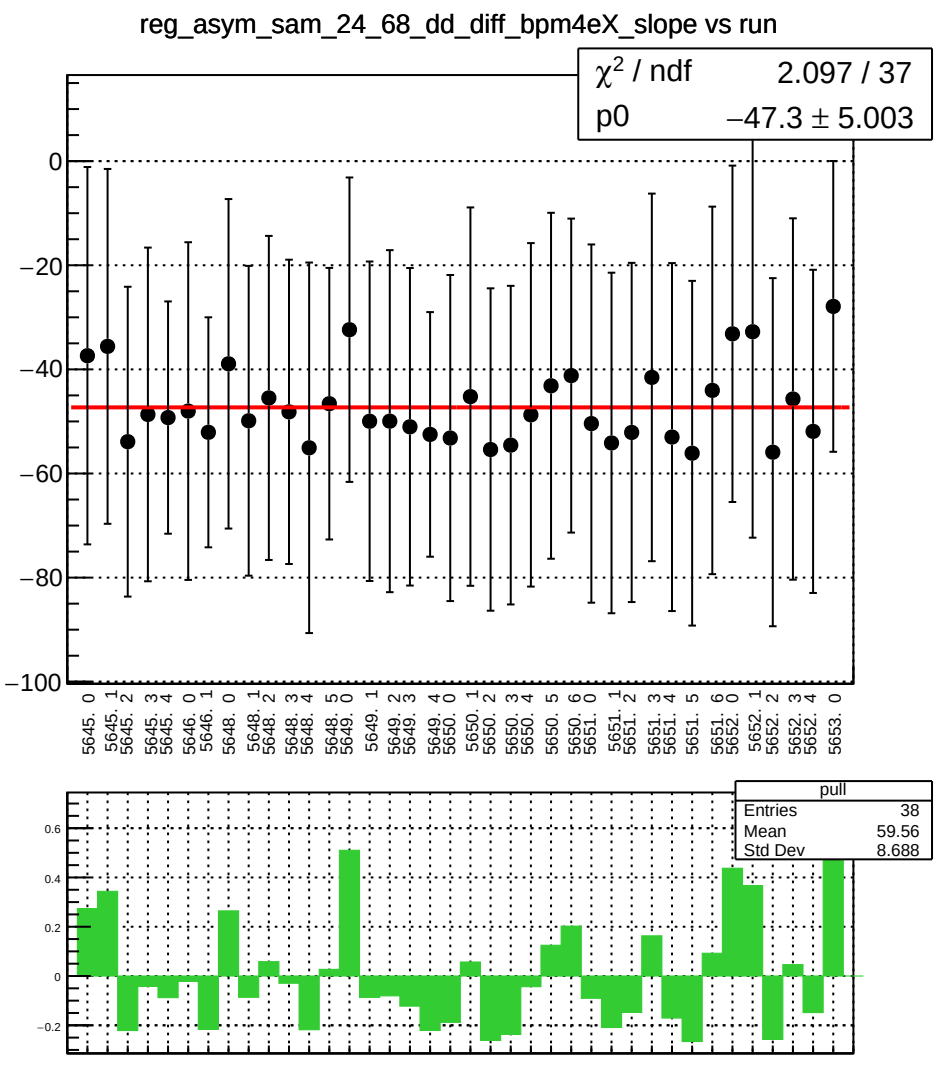

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 9.906 / 37
p0 0.7426 ± 0.0392
1.2
1
0.8
0.6
0.4
0.2
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 94.23
Std Dev 76.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 38
Mean 0.06005
Std Dev 0.507
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

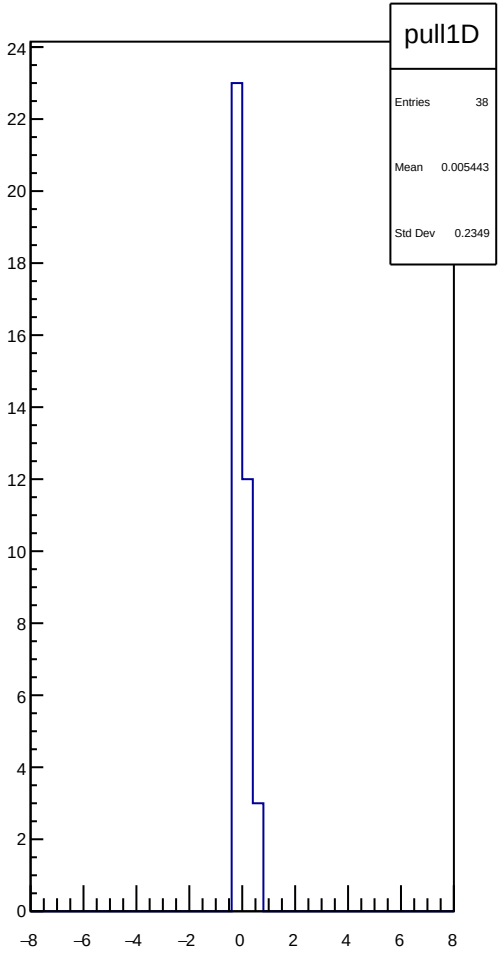

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.306 / 37
p0 −64.95 ± 5.017
−20
−40
−60
−80
−100
−120
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 91.07
Std Dev 67.08
0.4
0.2
0
−0.2
−0.4
−0.6

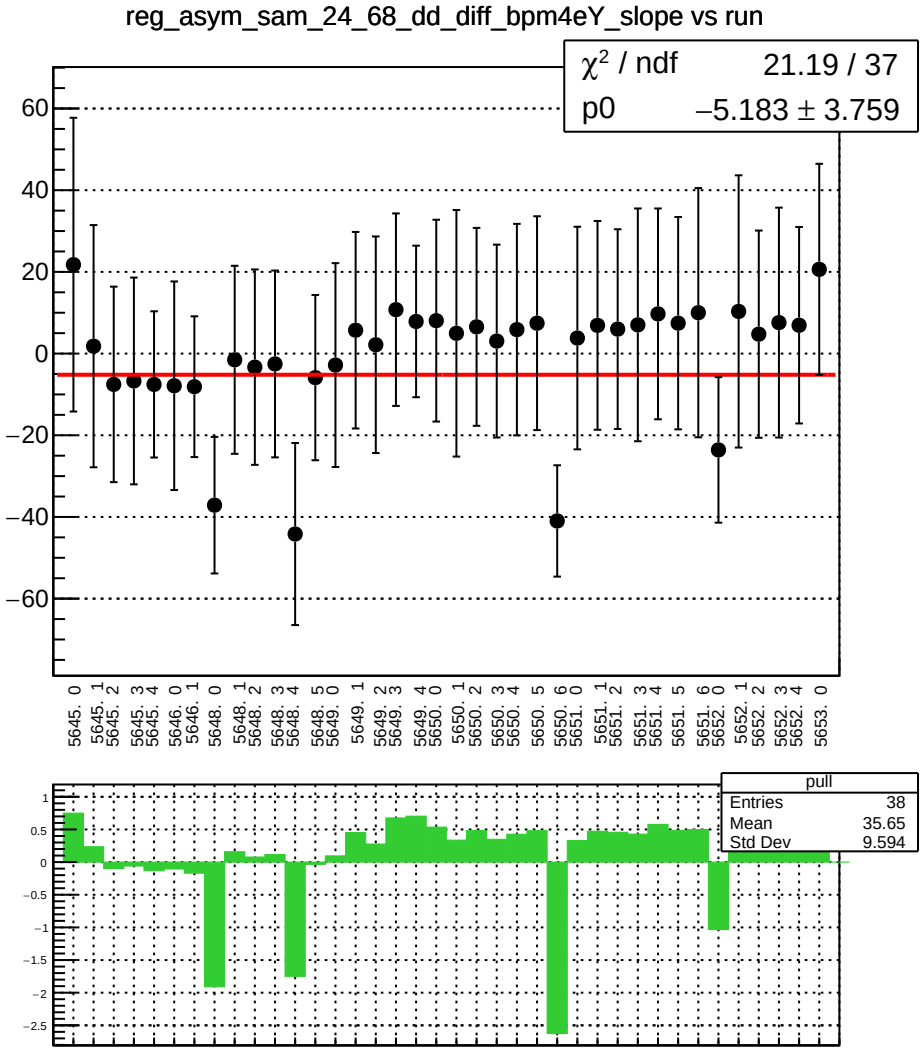

pull1D
Entries 38
Mean −0.009508
Std Dev 0.2462
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

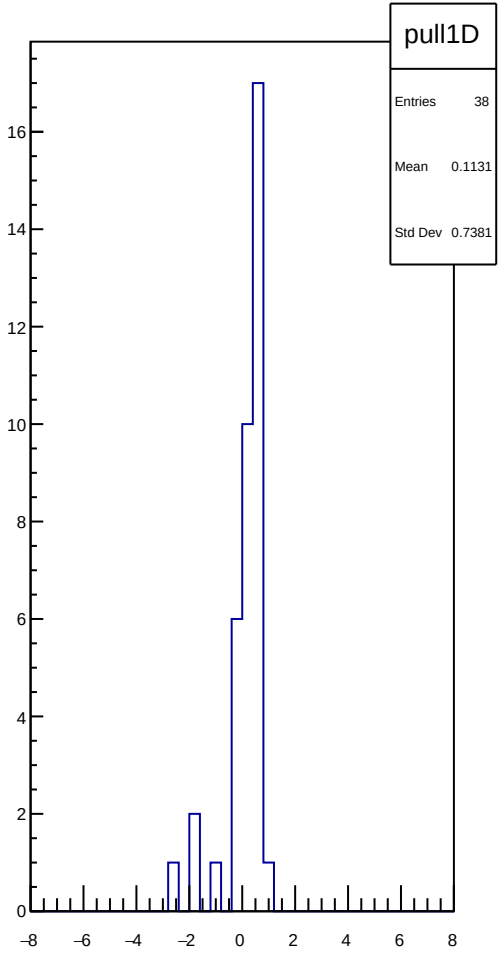

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.99 / 37
p0 −27.86 ± 2.982
pull
Entries 38
Mean 29.2
Std Dev 10.33

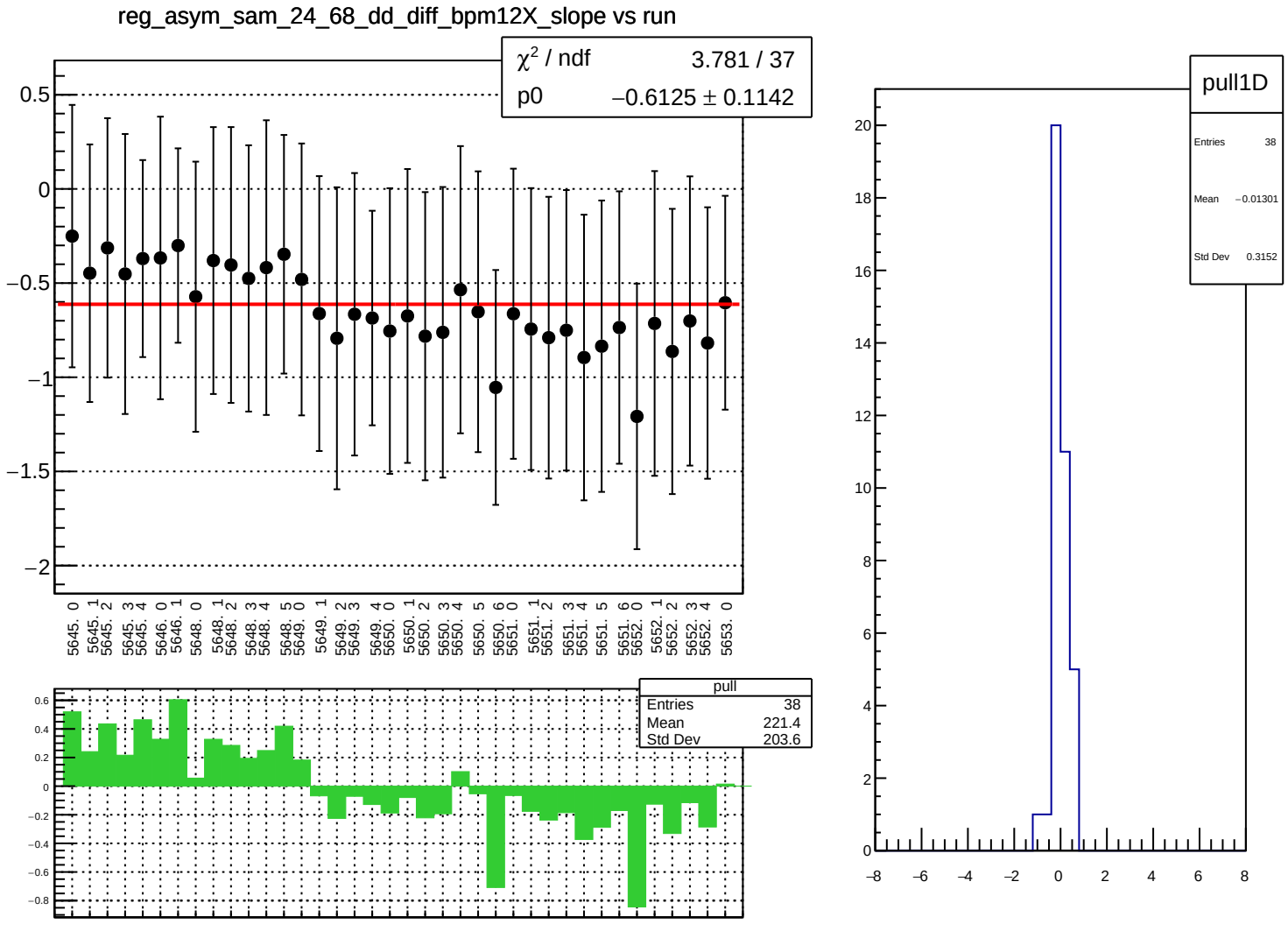

pull1D
Entries 38
Mean −0.1171
Std Dev 0.7339

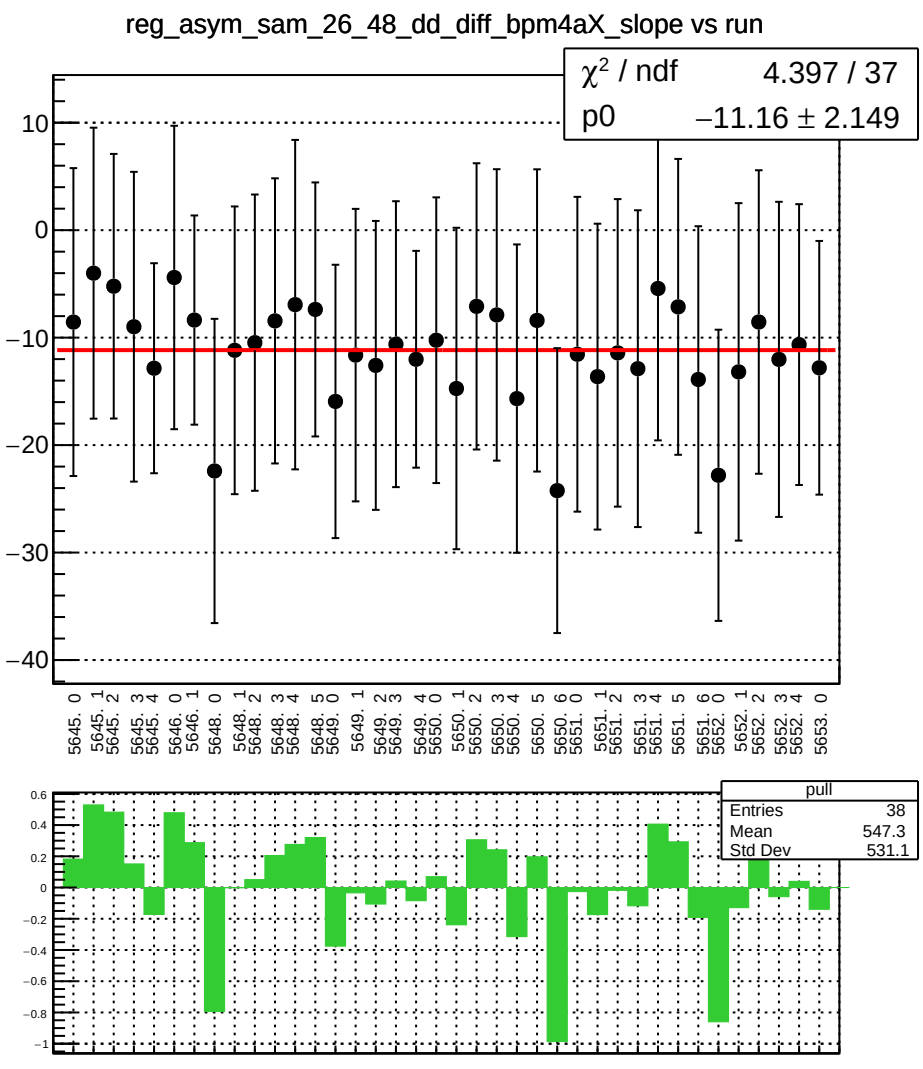

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.097 / 37
p0 −47.3 ± 5.003
0
−20
−40
−60
−80
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 59.56
Std Dev 8.688
0.6
0.4
0.2
0
−0.2

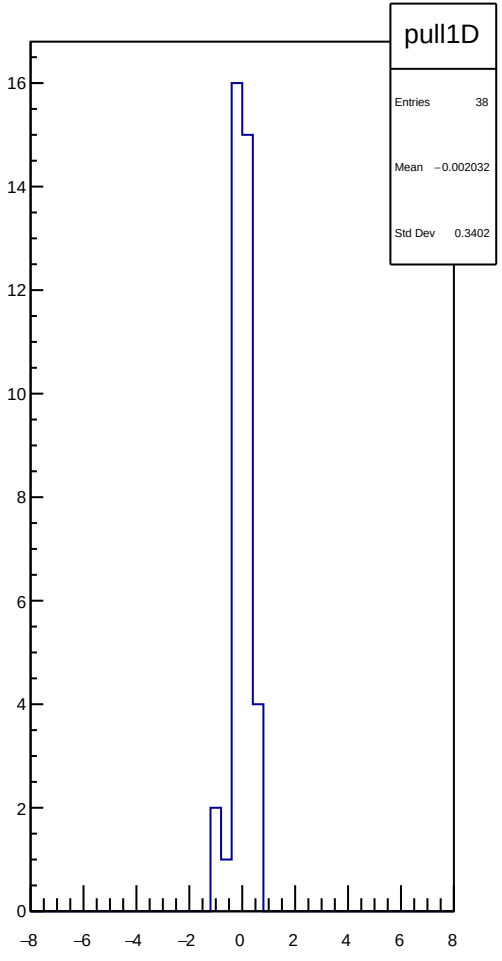

pull1D
Entries 38
Mean 0.005443
Std Dev 0.2349
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

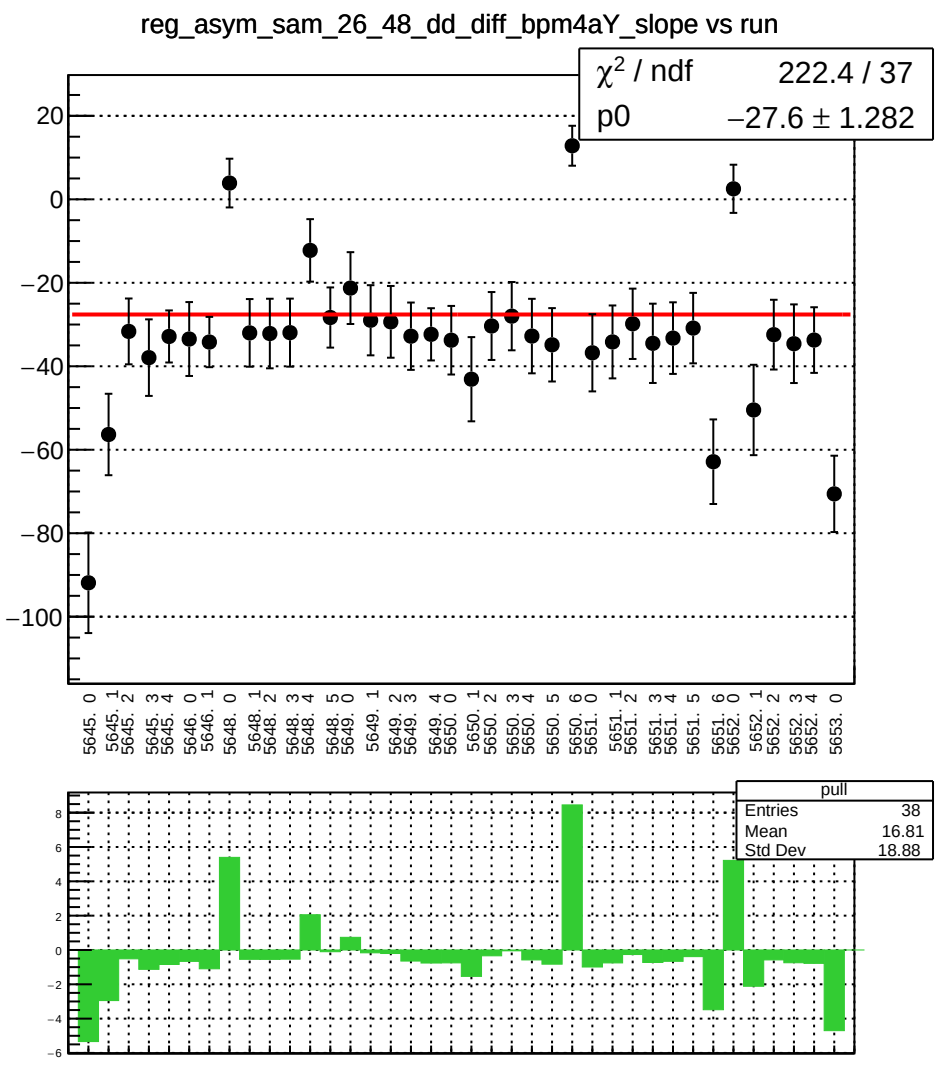

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.19 / 37
p0 −5.183 ± 3.759
pull
Entries 38
Mean 35.65
Std Dev 9.594

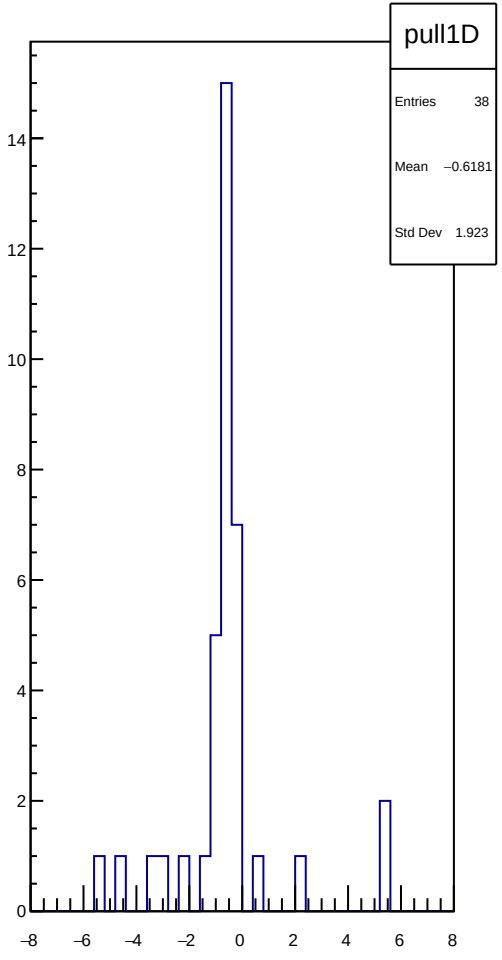

pull1D
Entries 38
Mean 0.1131
Std Dev 0.7381

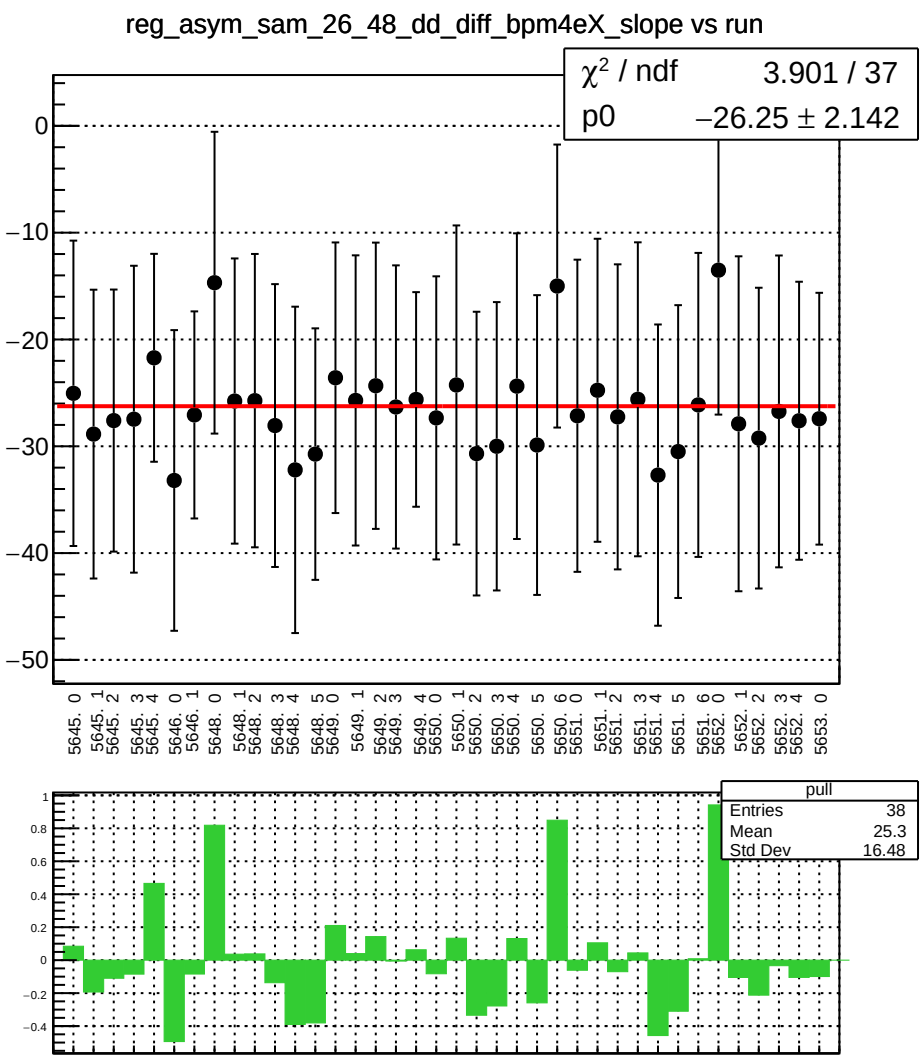

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.781 / 37
p0 −0.6125 ± 0.1142
pull
Entries 38
Mean 221.4
Std Dev 203.6
pull1D
Entries 38
Mean −0.01301
Std Dev 0.3152

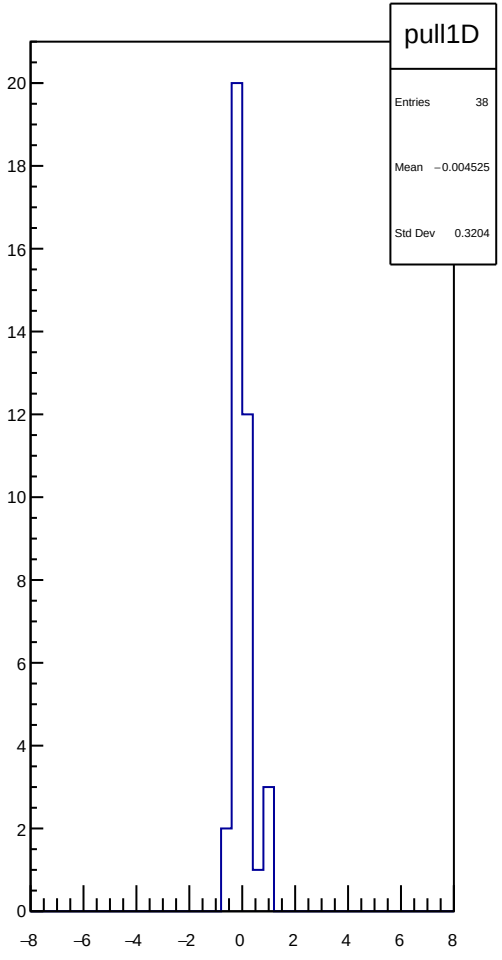

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.397 / 37
p0 −11.16 ± 2.149
pull
Entries 38
Mean 547.3
Std Dev 531.1

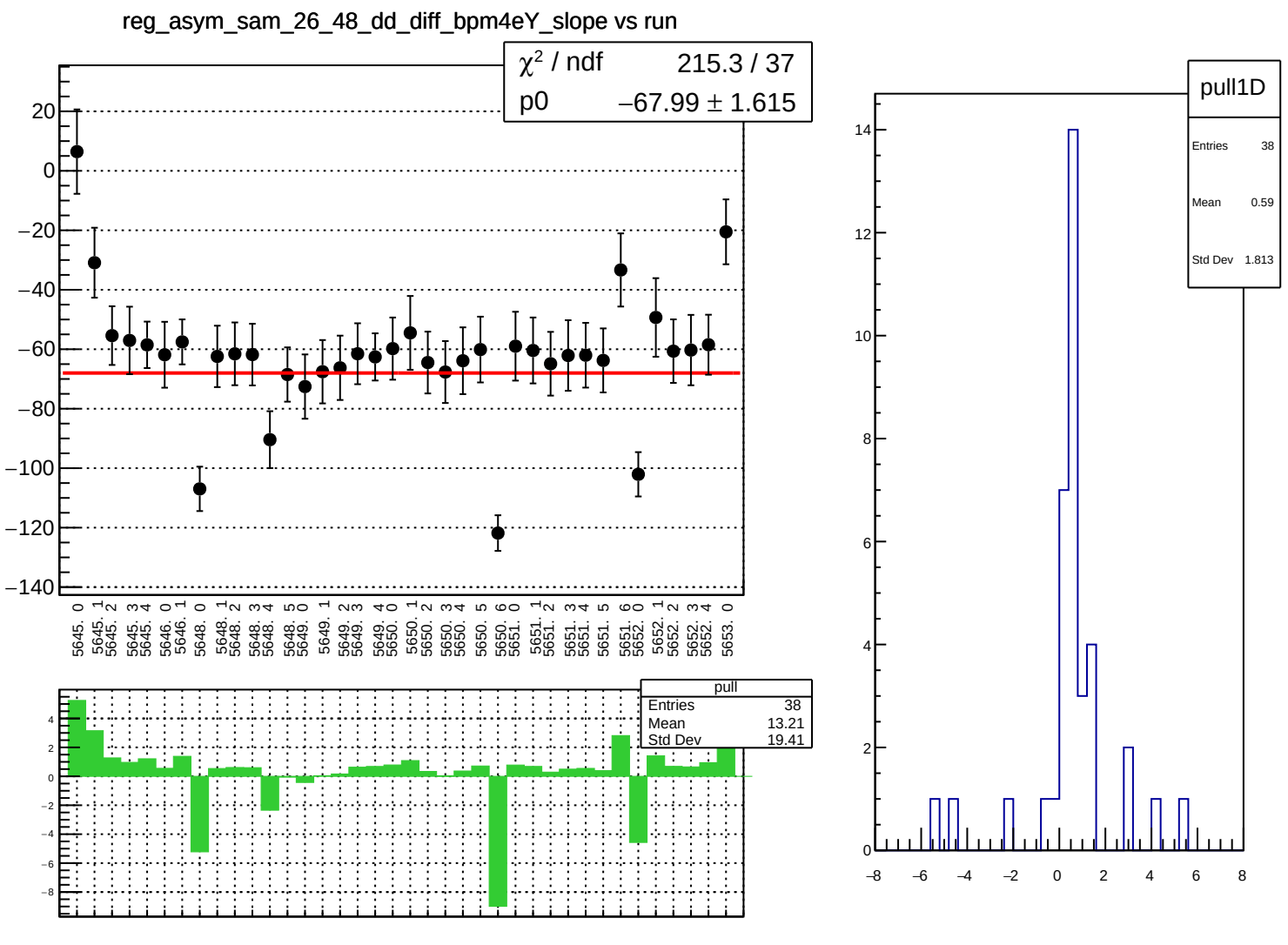

pull1D
Entries 38
Mean −0.002032
Std Dev 0.3402

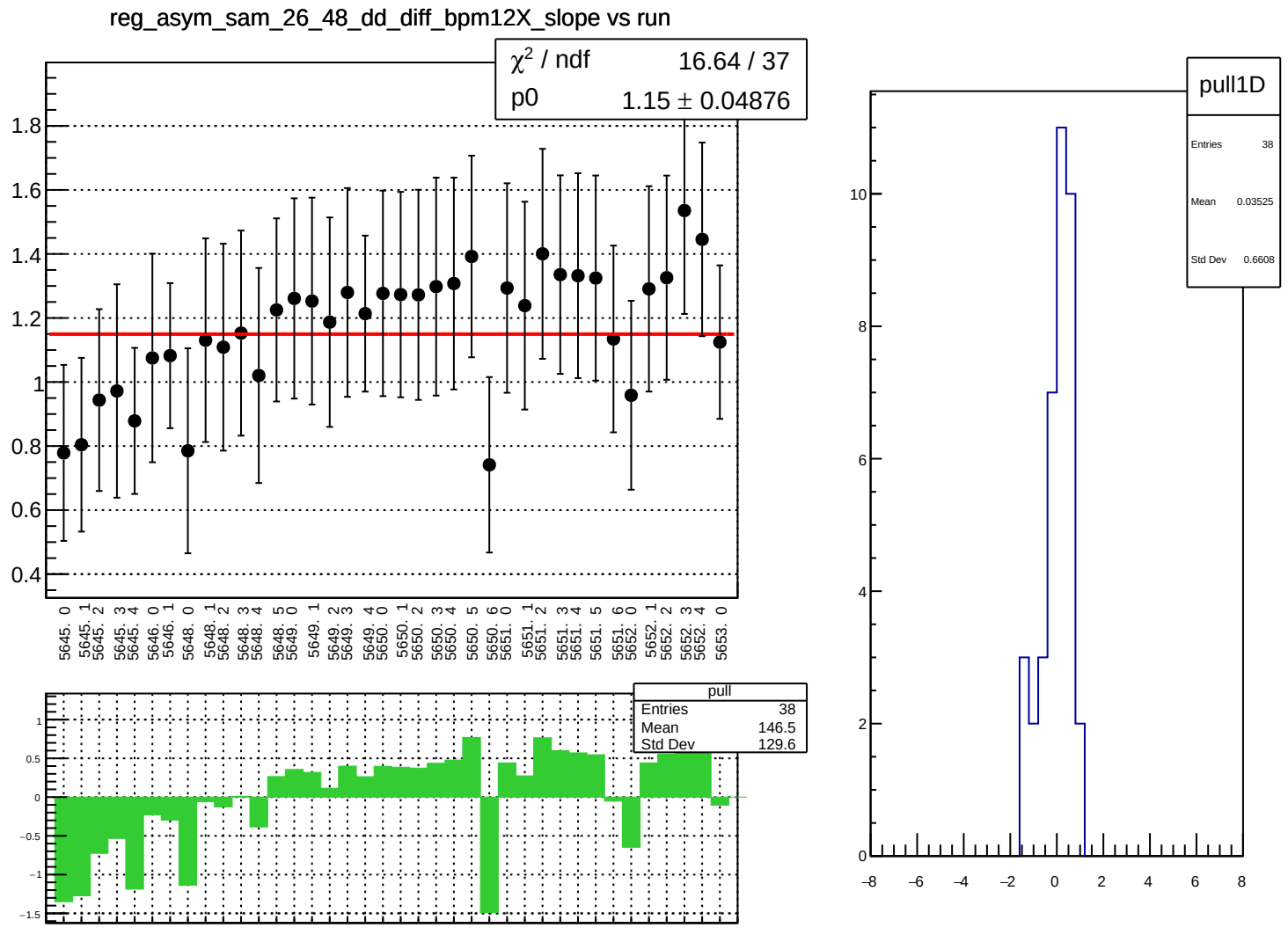

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 222.4 / 37
p0 −27.6 ± 1.282
pull
Entries 38
Mean 16.81
Std Dev 18.88

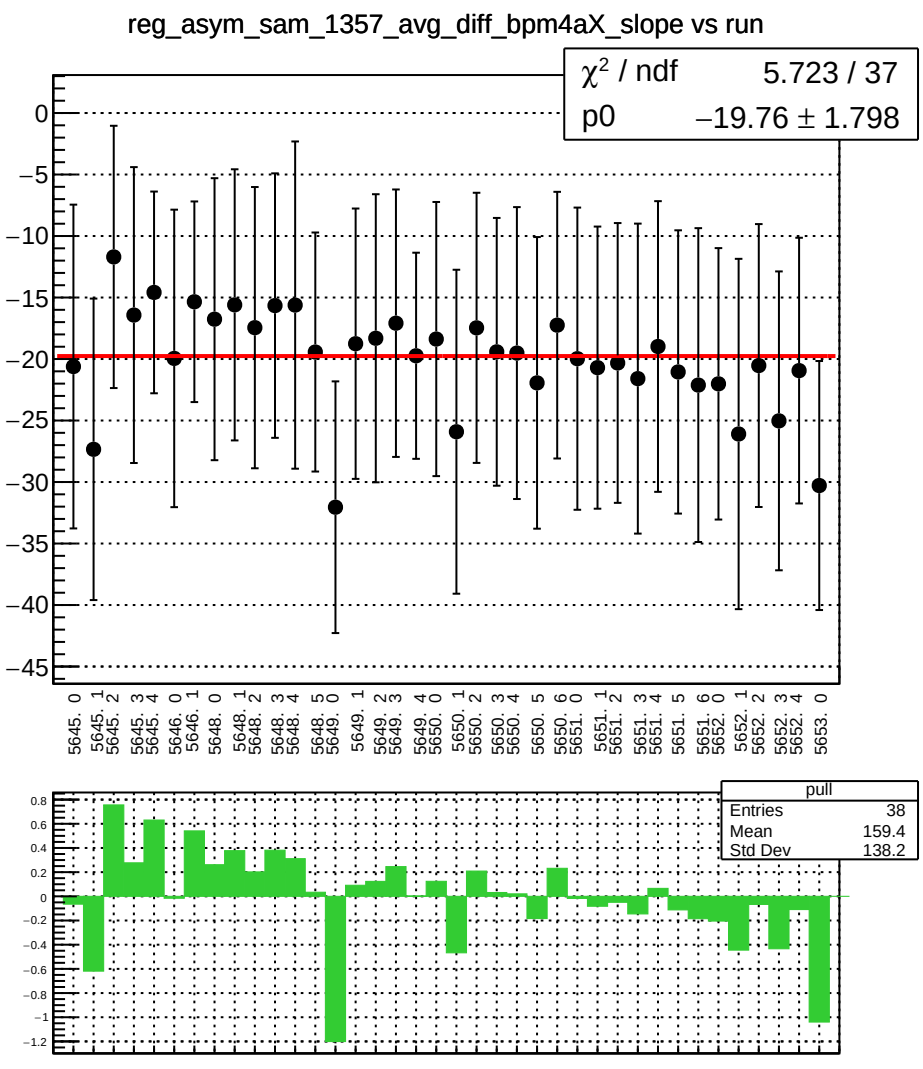

pull1D
Entries 38
Mean −0.6181
Std Dev 1.923

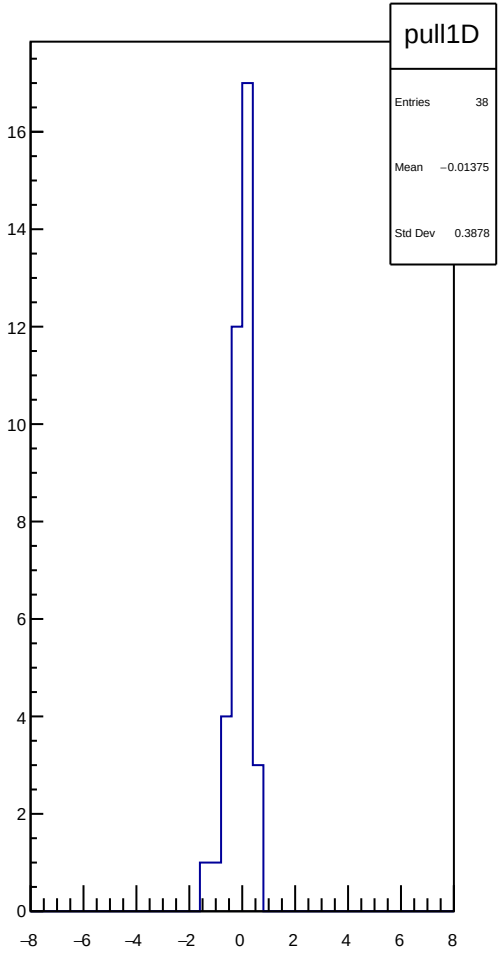

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.901 / 37
p0 −26.25 ± 2.142
pull
Entries 38
Mean 25.3
Std Dev 16.48

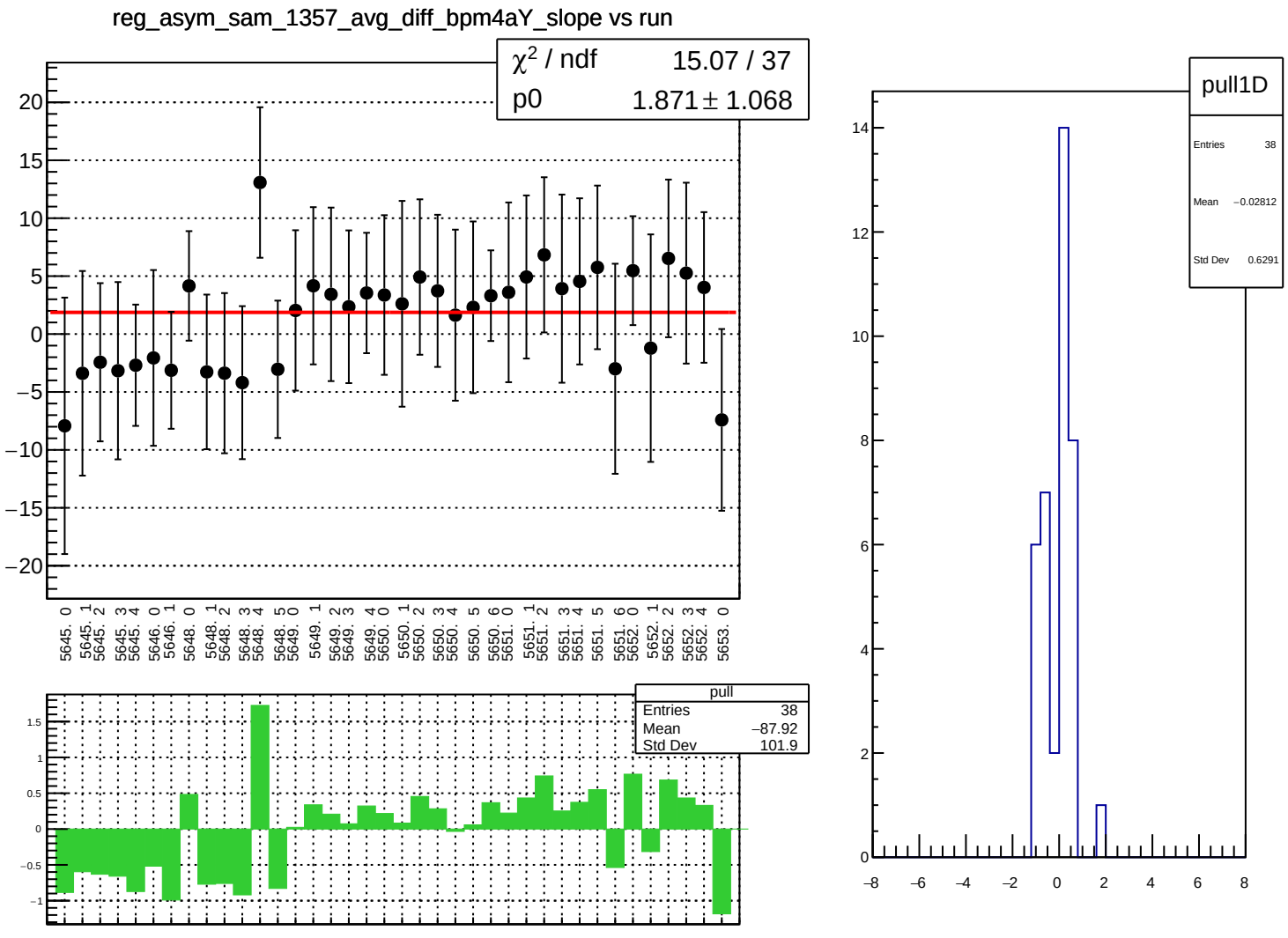

pull1D
Entries 38
Mean −0.004525
Std Dev 0.3204

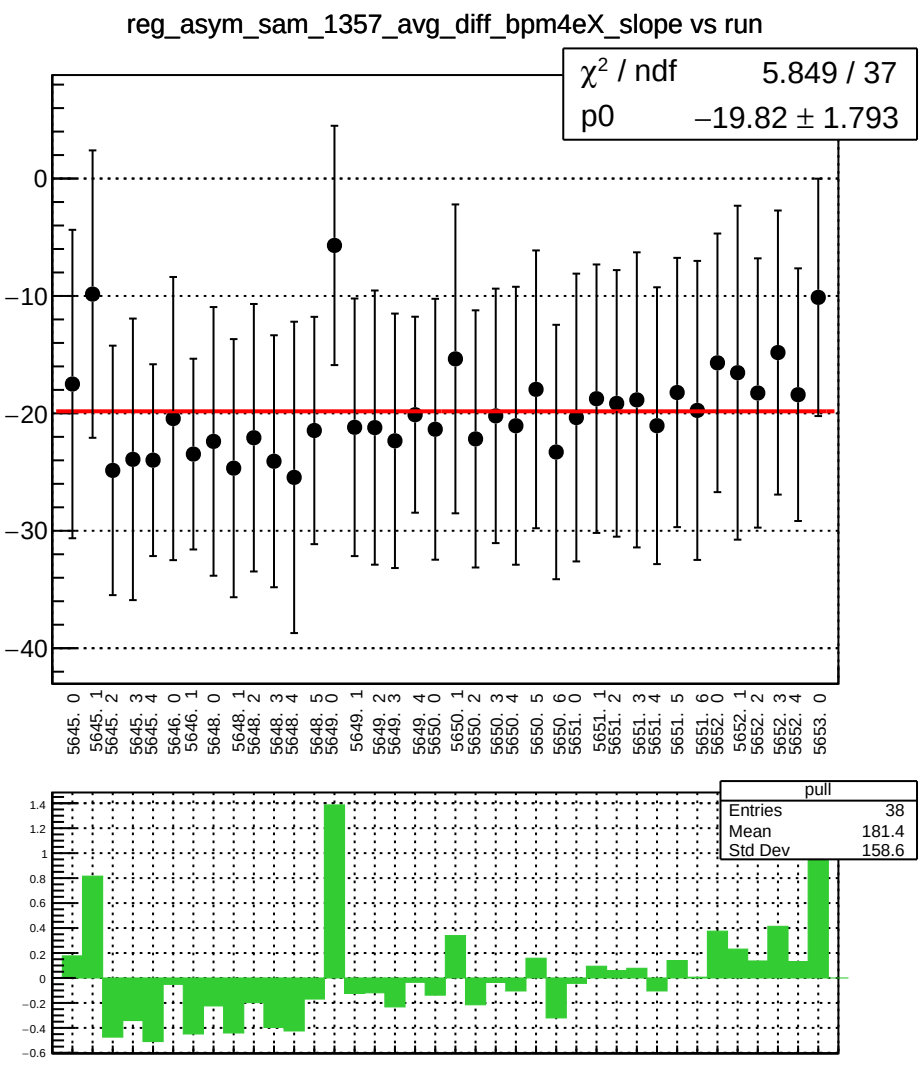

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 215.3 / 37
p0 −67.99 ± 1.615
pull
Entries 38
Mean 13.21
Std Dev 19.41
pull1D
Entries 38
Mean 0.59
Std Dev 1.813

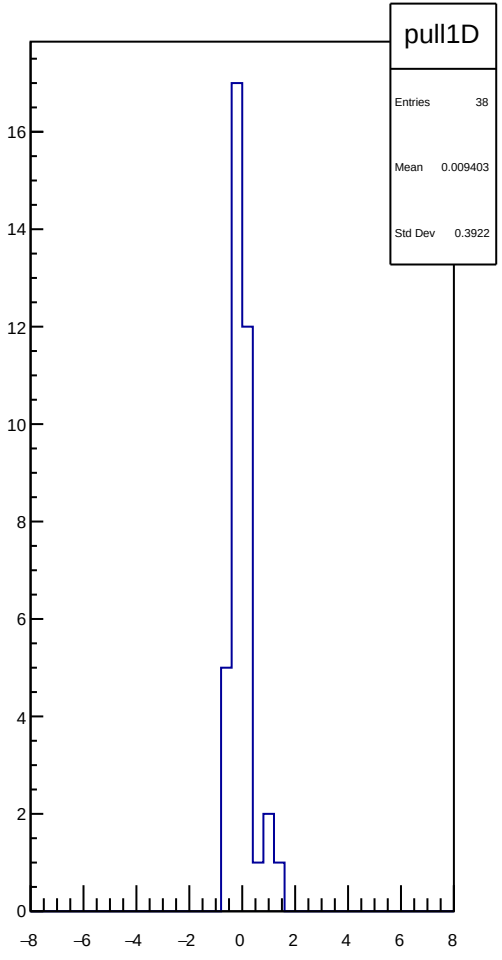

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 16.64 / 37
p0 1.15 ± 0.04876
pull
Entries 38
Mean 146.5
Std Dev 129.6
pull1D
Entries 38
Mean 0.03525
Std Dev 0.6608

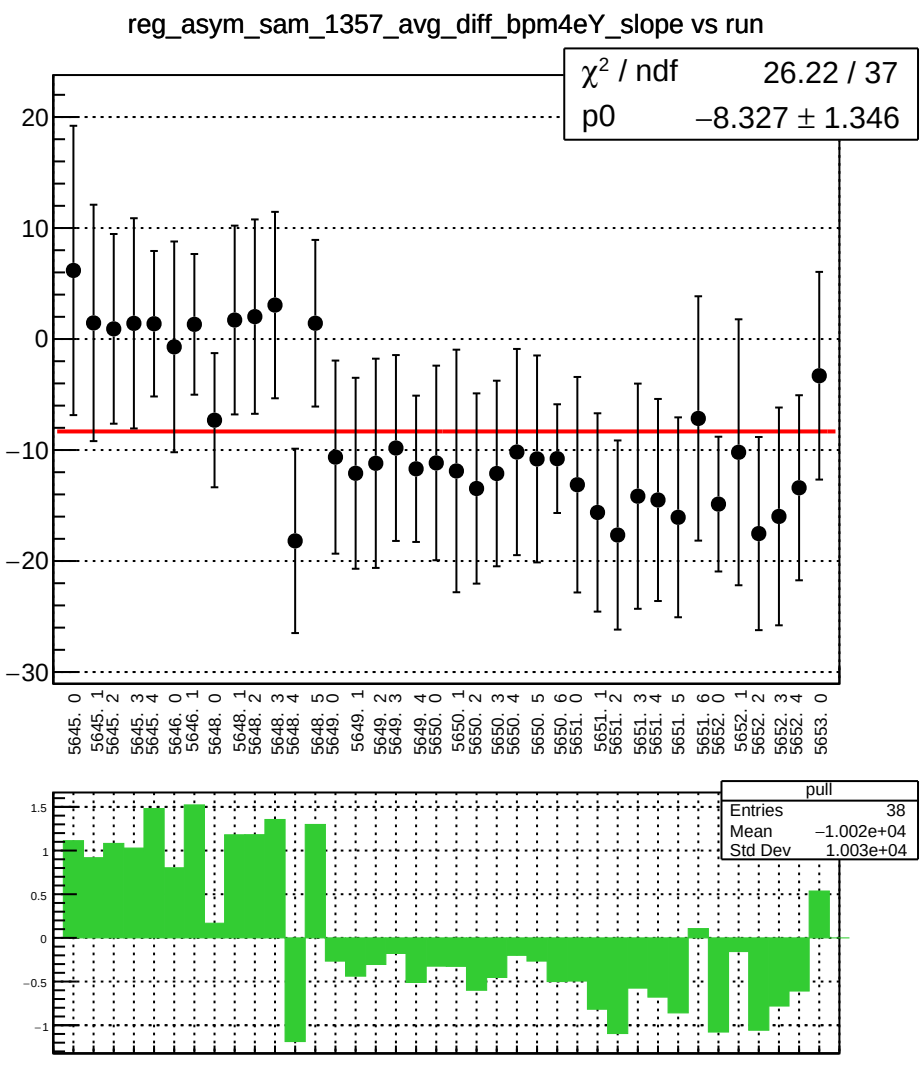

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.723 / 37
p0 −19.76 ± 1.798
pull
Entries 38
Mean 159.4
Std Dev 138.2

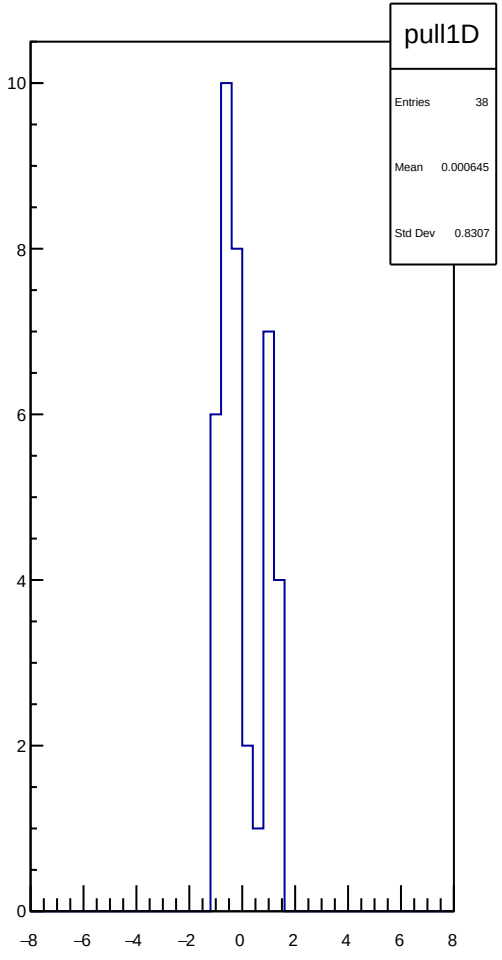

pull1D
Entries 38
Mean −0.01375
Std Dev 0.3878

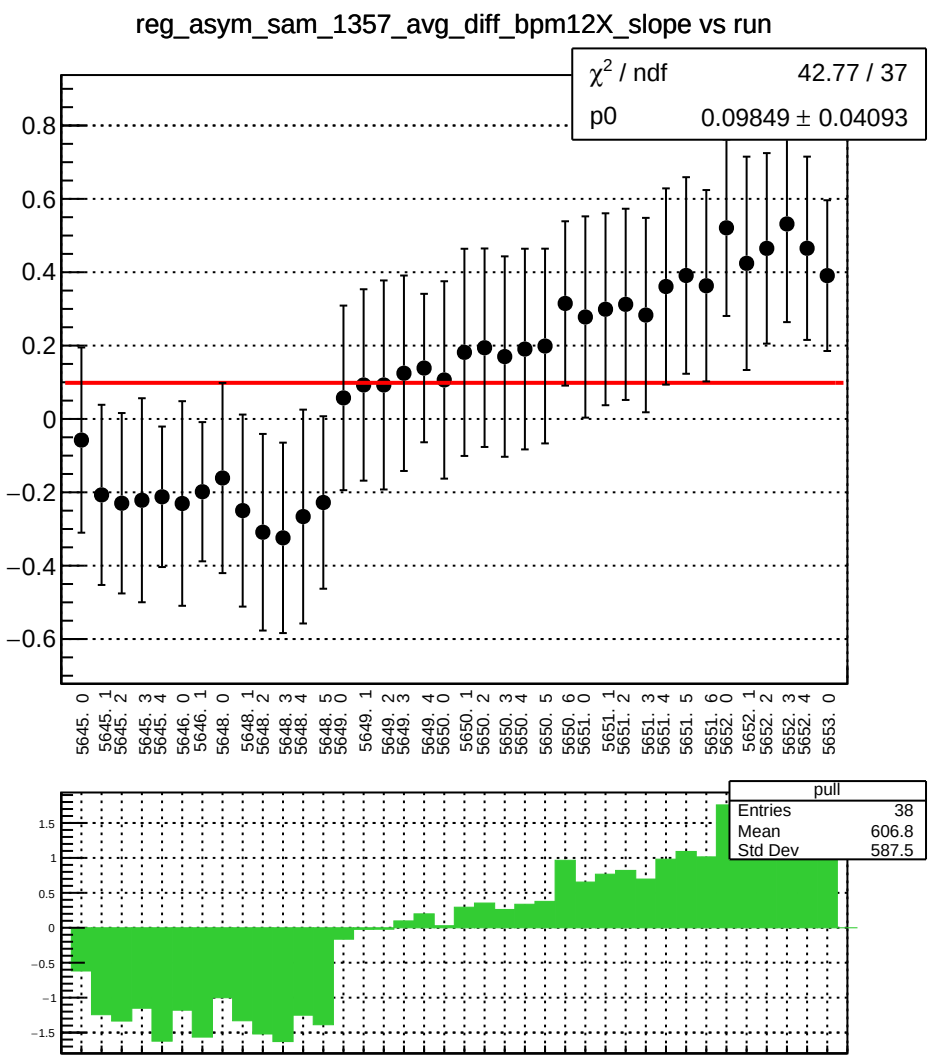

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.07 / 37
p0 1.871 ± 1.068
pull
Entries 38
Mean −87.92
Std Dev 101.9
pull1D
Entries 38
Mean −0.02812
Std Dev 0.6291

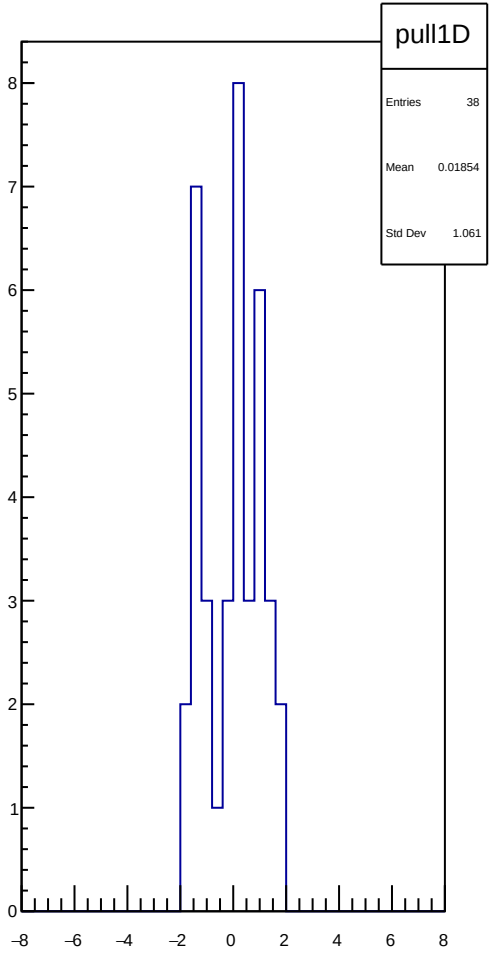

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.849 / 37
p0 −19.82 ± 1.793
pull
Entries 38
Mean 181.4
Std Dev 158.6

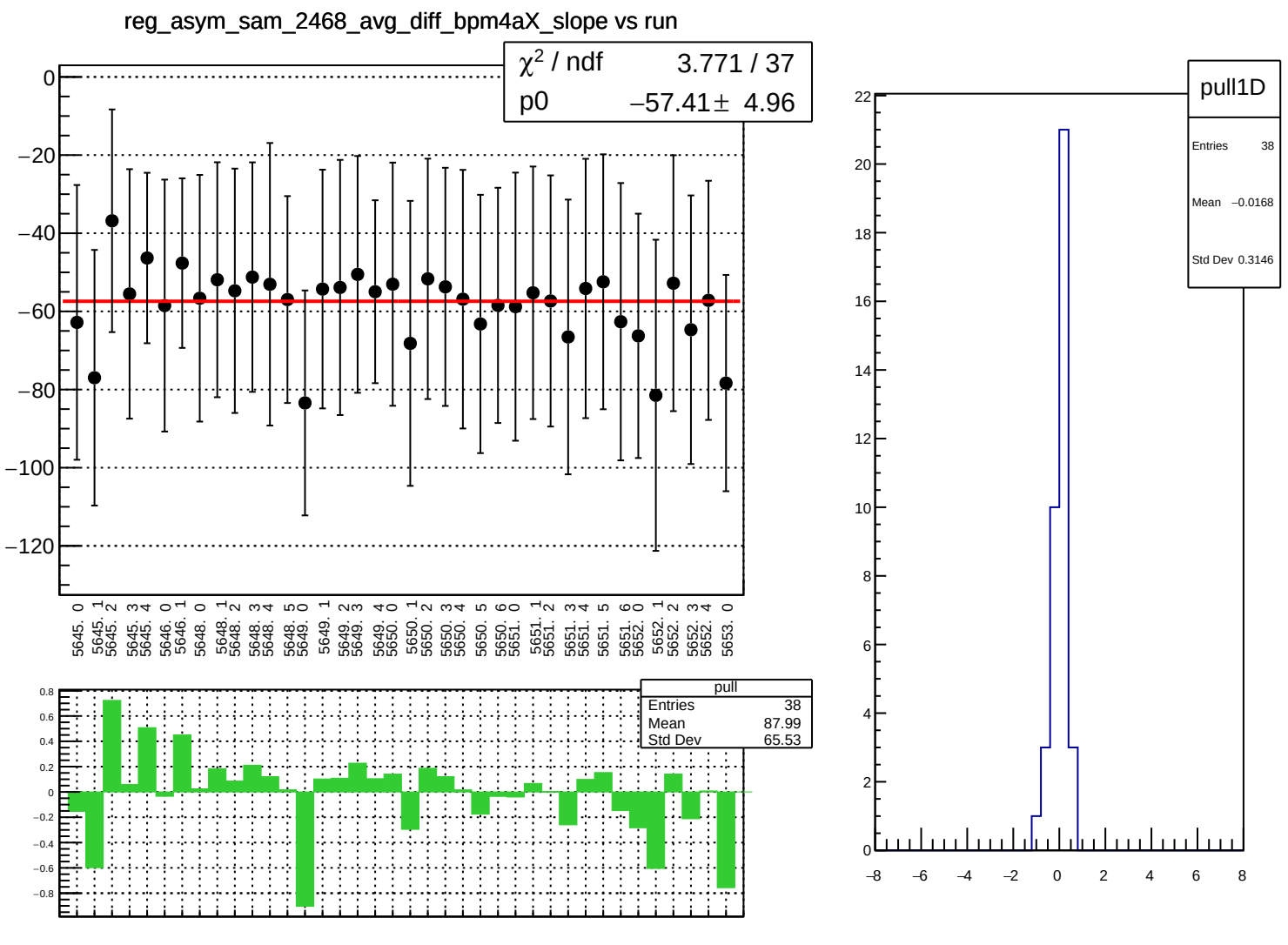

pull1D
Entries 38
Mean 0.009403
Std Dev 0.3922

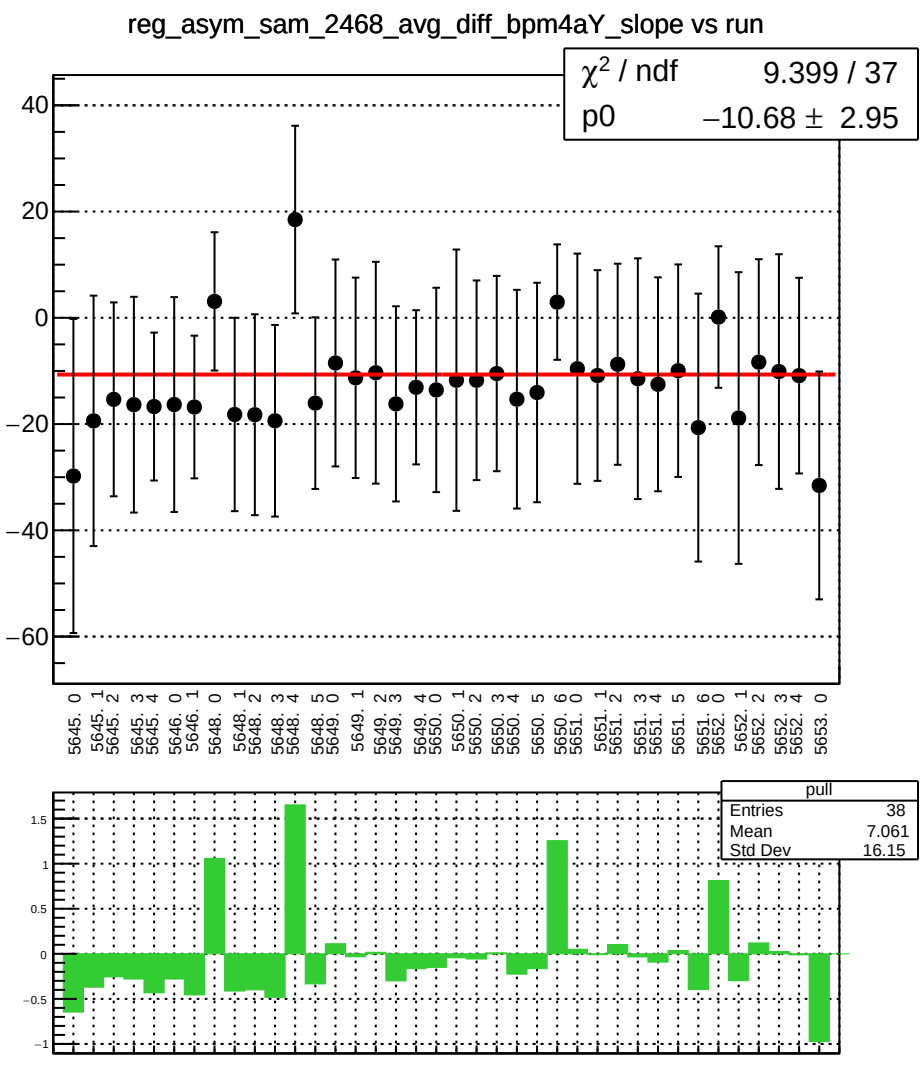

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.22 / 37
p0 −8.327 ± 1.346
pull
Entries 38
Mean −1.002e+04
Std Dev 1.003e+04

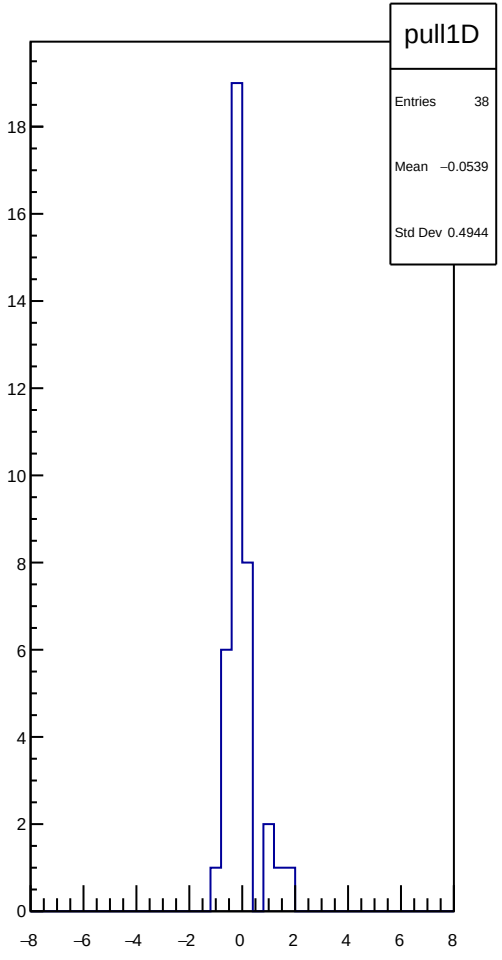

pull1D
Entries 38
Mean 0.000645
Std Dev 0.8307

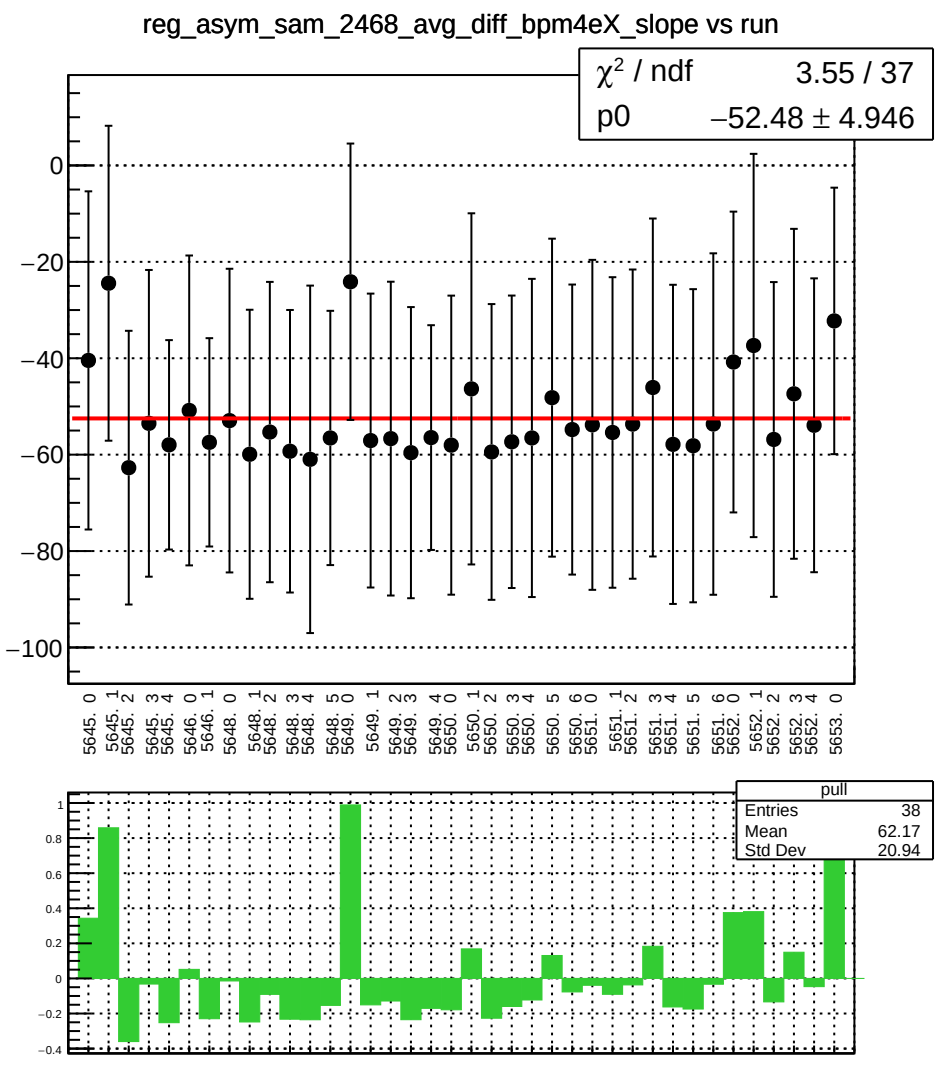

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 42.77 / 37
p0 0.09849 ± 0.04093
pull
Entries 38
Mean 606.8
Std Dev 587.5

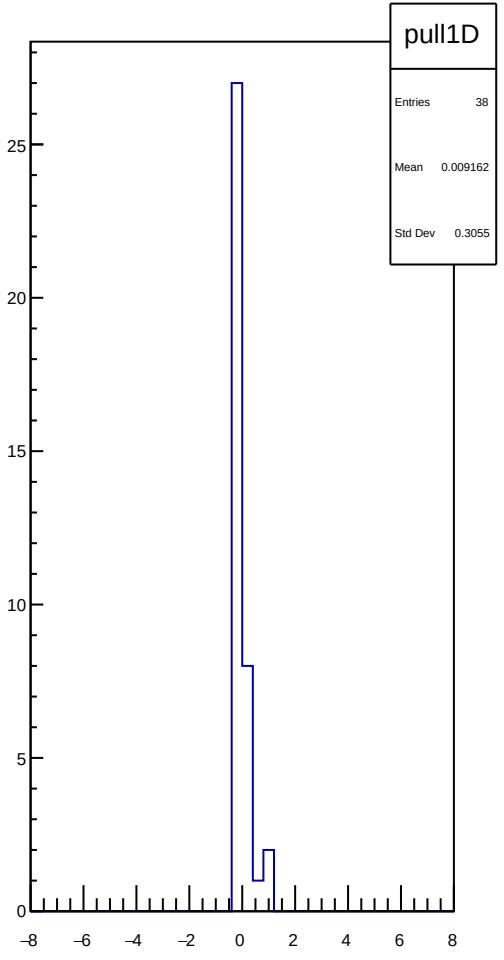

pull1D
Entries 38
Mean 0.01854
Std Dev 1.061

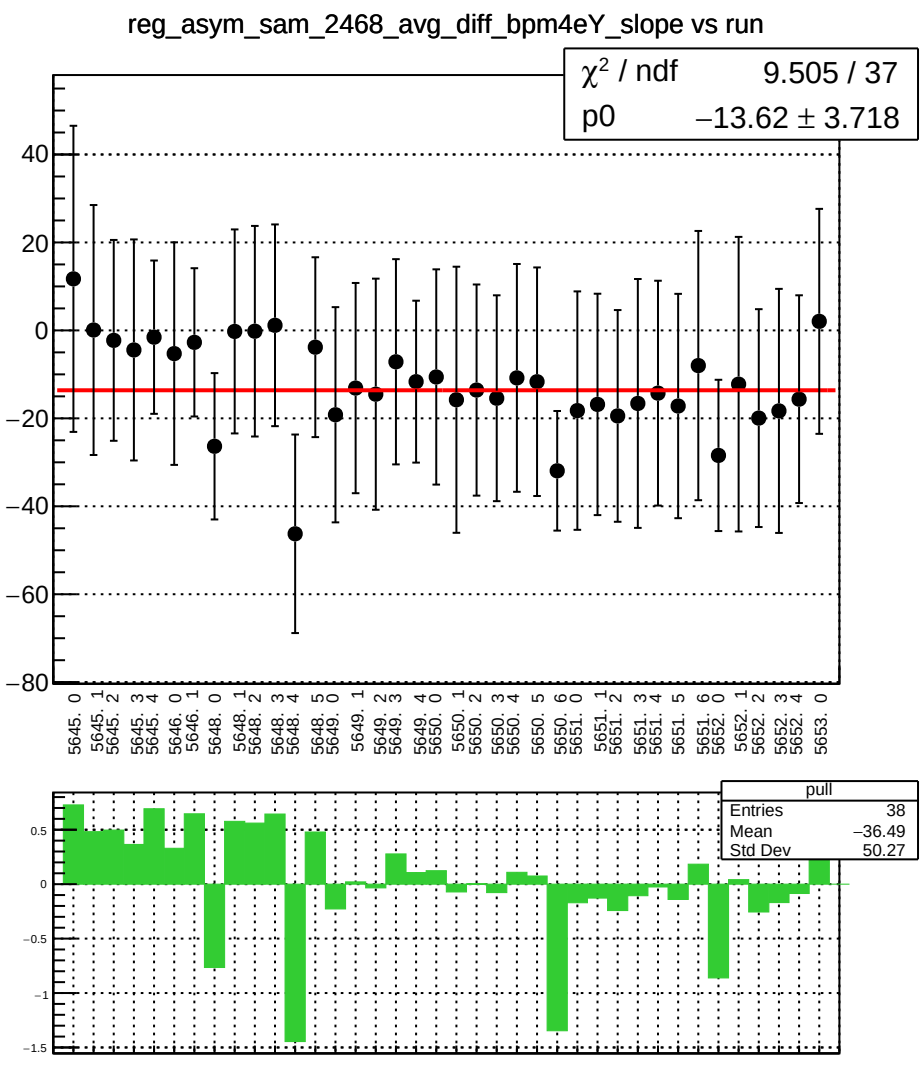

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.771 / 37
p0 −57.41± 4.96
pull
Entries 38
Mean 87.99
Std Dev 65.53
pull1D
Entries 38
Mean −0.0168
Std Dev 0.3146

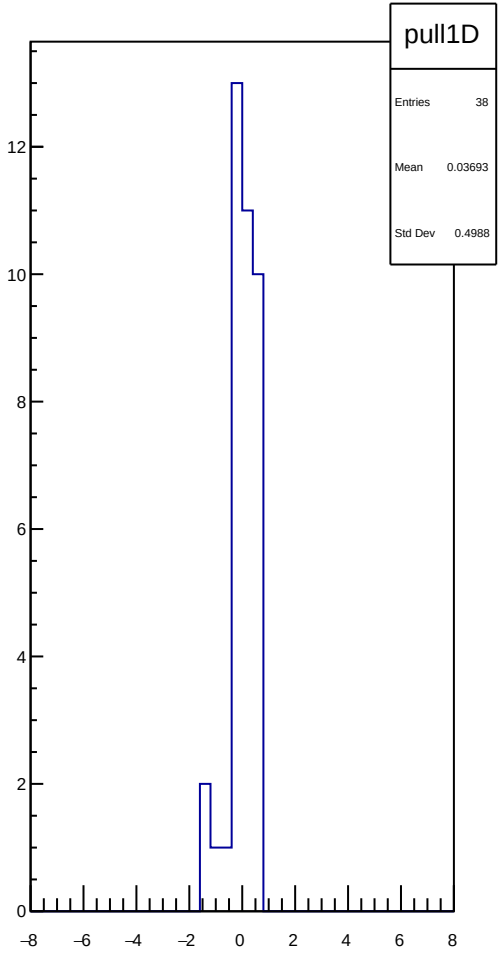

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.399 / 37
p0 −10.68 ± 2.95
pull
Entries 38
Mean 7.061
Std Dev 16.15

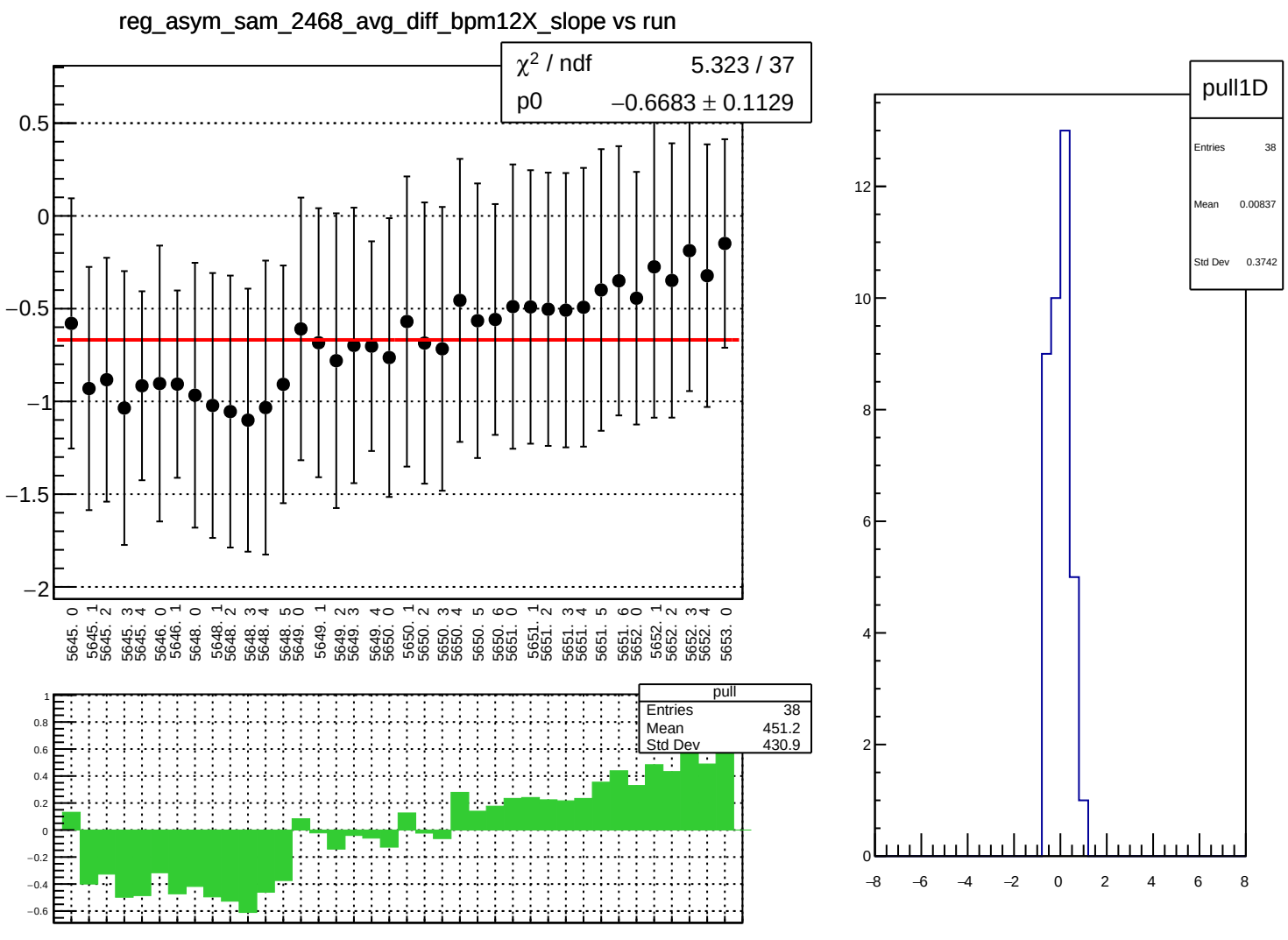

pull1D
Entries 38
Mean −0.0539
Std Dev 0.4944

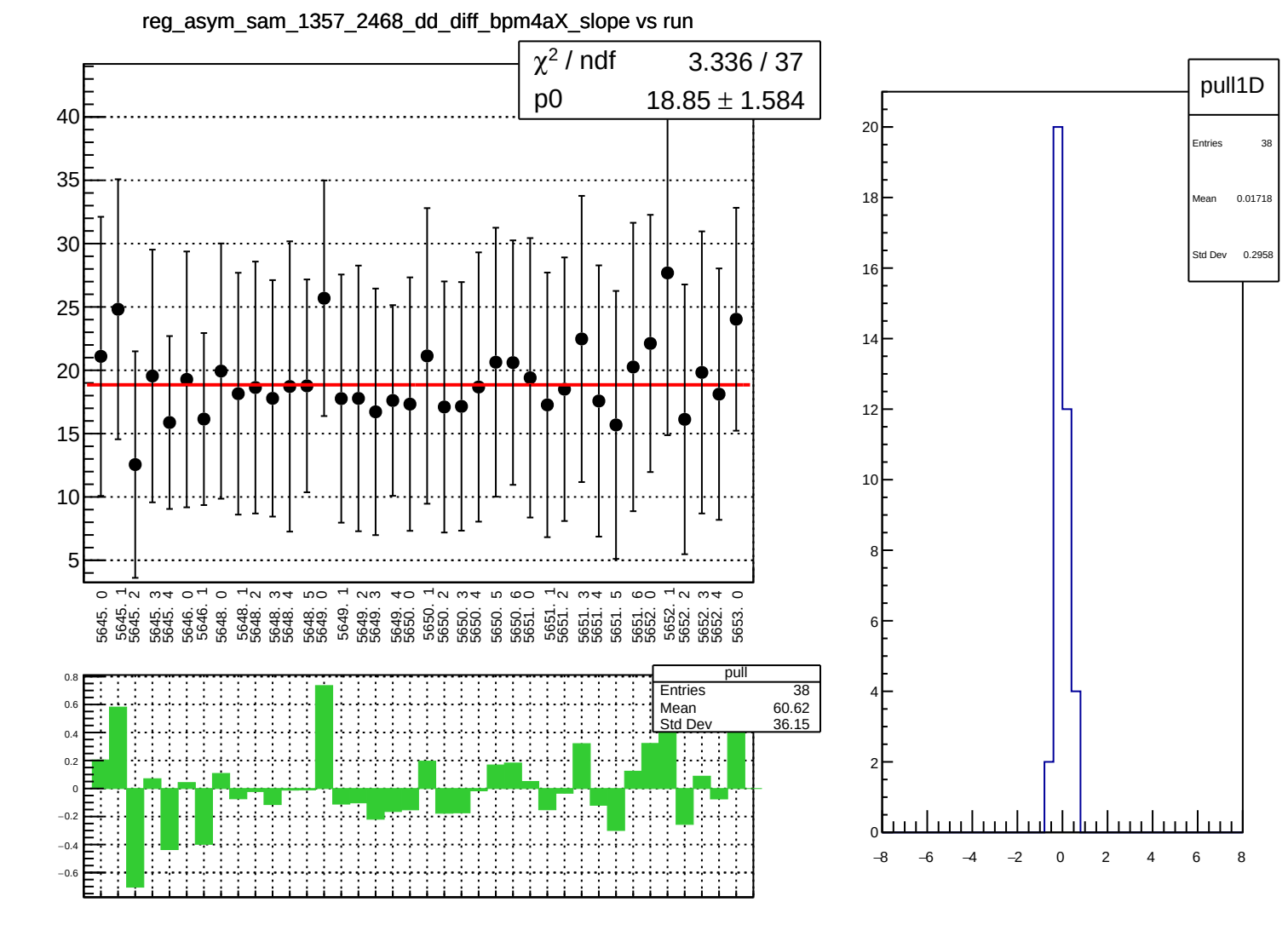

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.55 / 37
p0 −52.48 ± 4.946
0
−20
−40
−60
−80
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 62.17
Std Dev 20.94
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

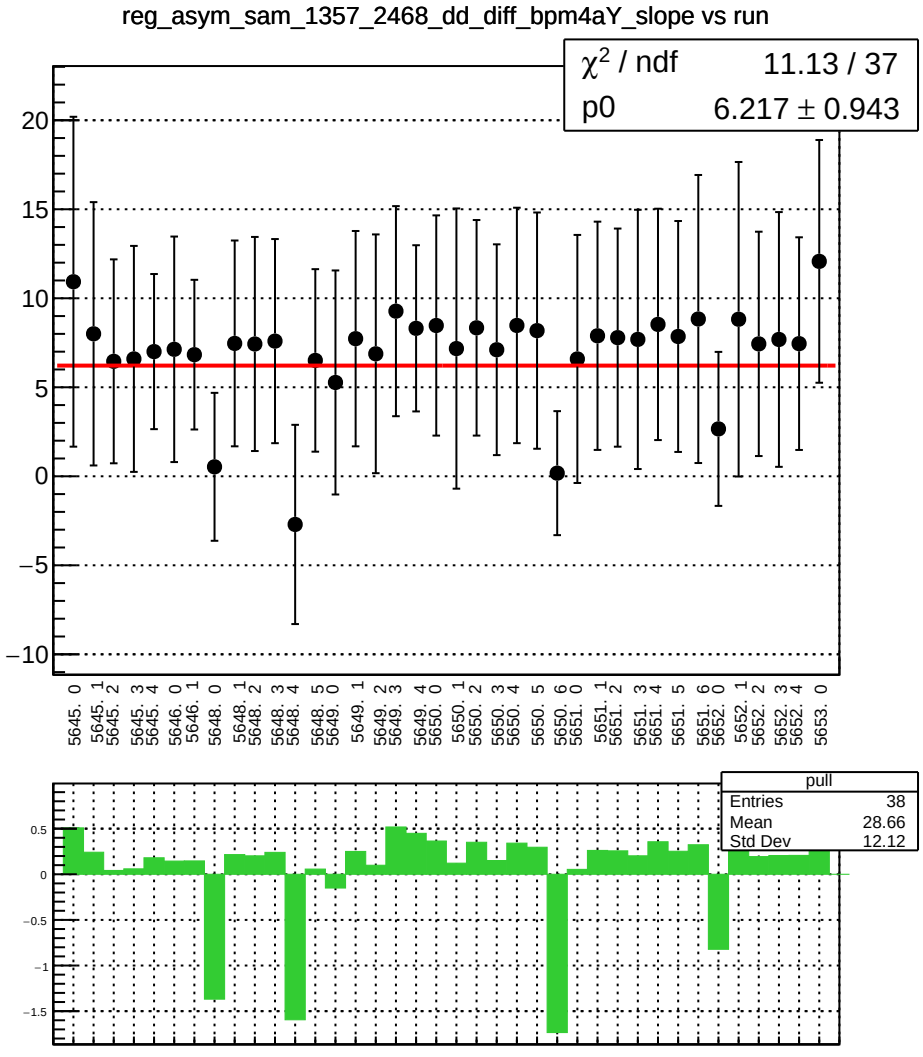

pull1D
Entries 38
Mean 0.009162
Std Dev 0.3055
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

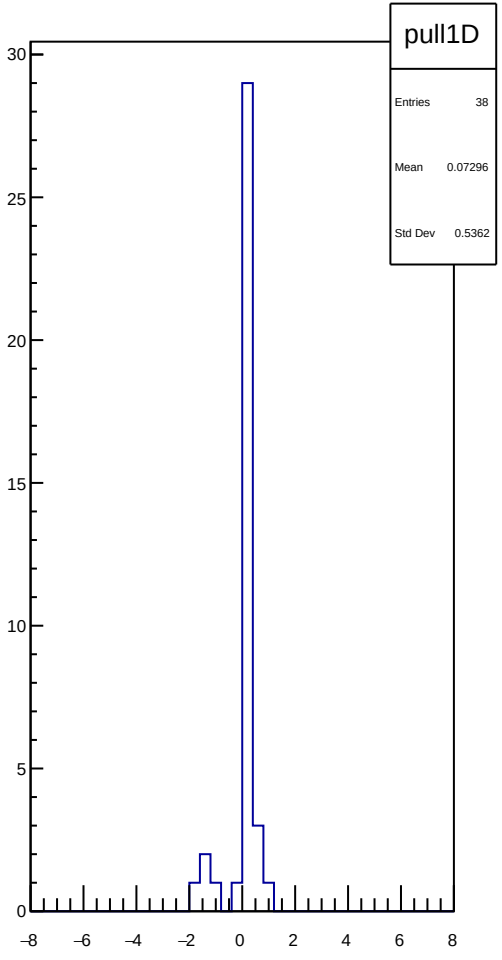

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.505 / 37
p0 −13.62 ± 3.718
pull
Entries 38
Mean −36.49
Std Dev 50.27

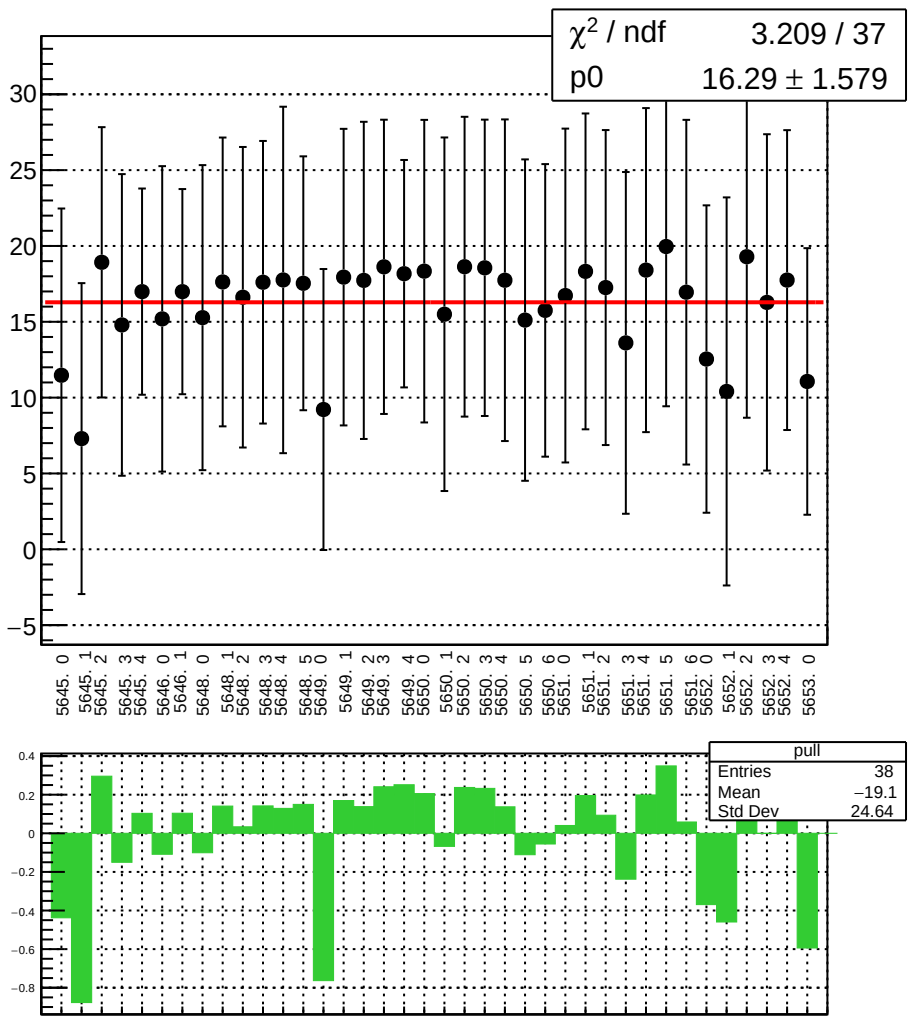

pull1D
Entries 38
Mean 0.03693
Std Dev 0.4988

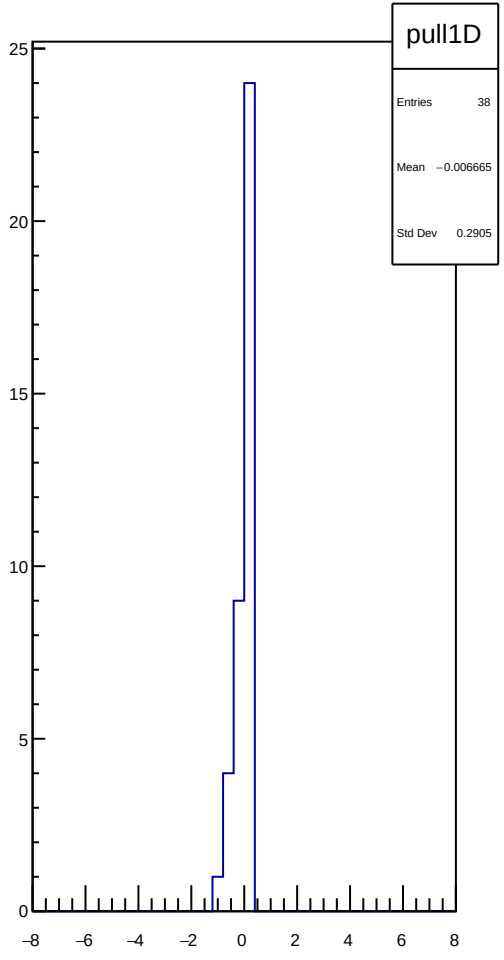

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 5.323 / 37
p0 −0.6683 ± 0.1129
pull
Entries 38
Mean 451.2
Std Dev 430.9
pull1D
Entries 38
Mean 0.00837
Std Dev 0.3742

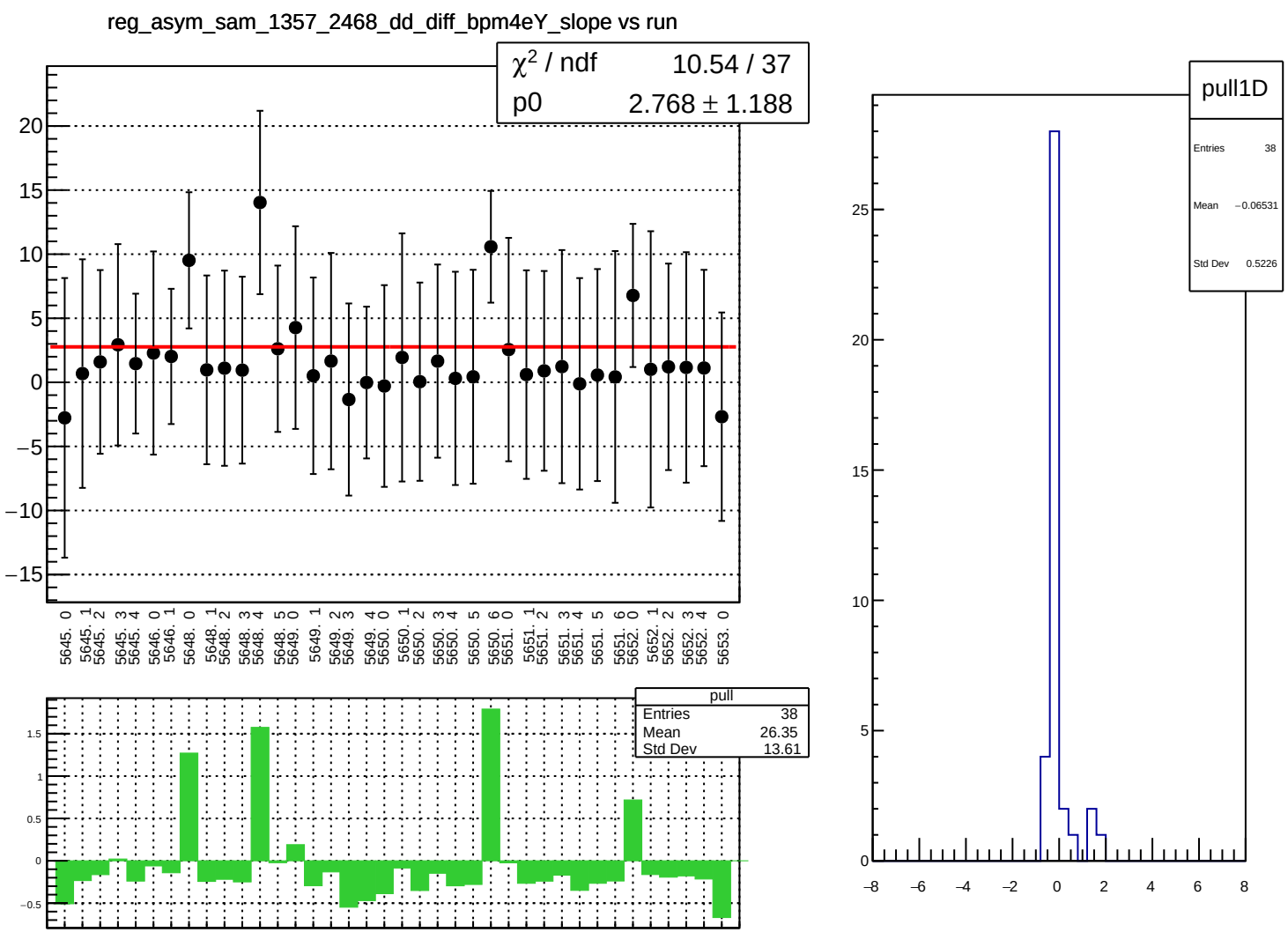

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.336 / 37
p0 18.85 ± 1.584
pull
Entries 38
Mean 60.62
Std Dev 36.15
pull1D
Entries 38
Mean 0.01718
Std Dev 0.2958

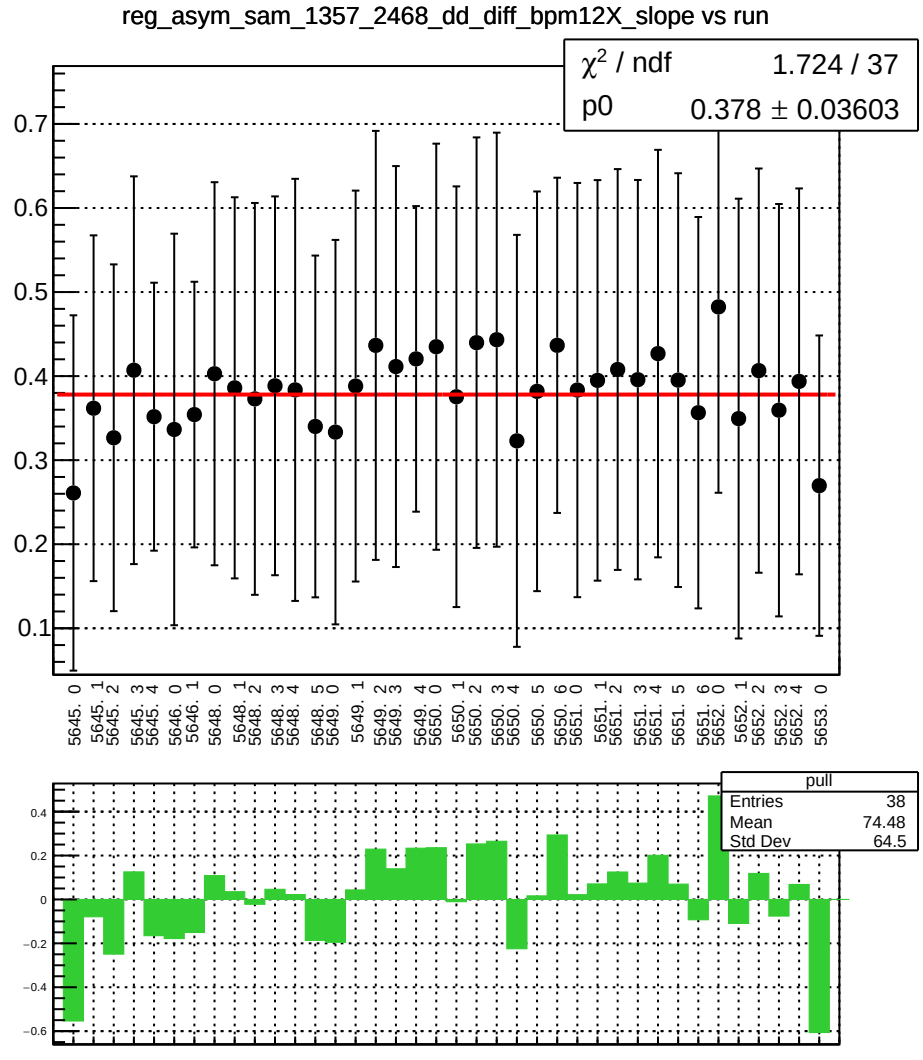

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.13 / 37
p0 6.217 ± 0.943
pull
Entries 38
Mean 28.66
Std Dev 12.12

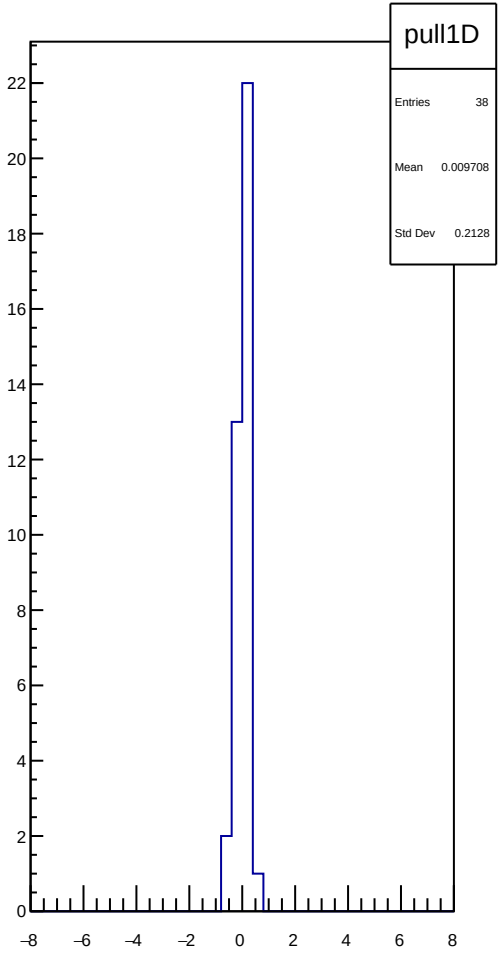

pull1D
Entries 38
Mean 0.07296
Std Dev 0.5362

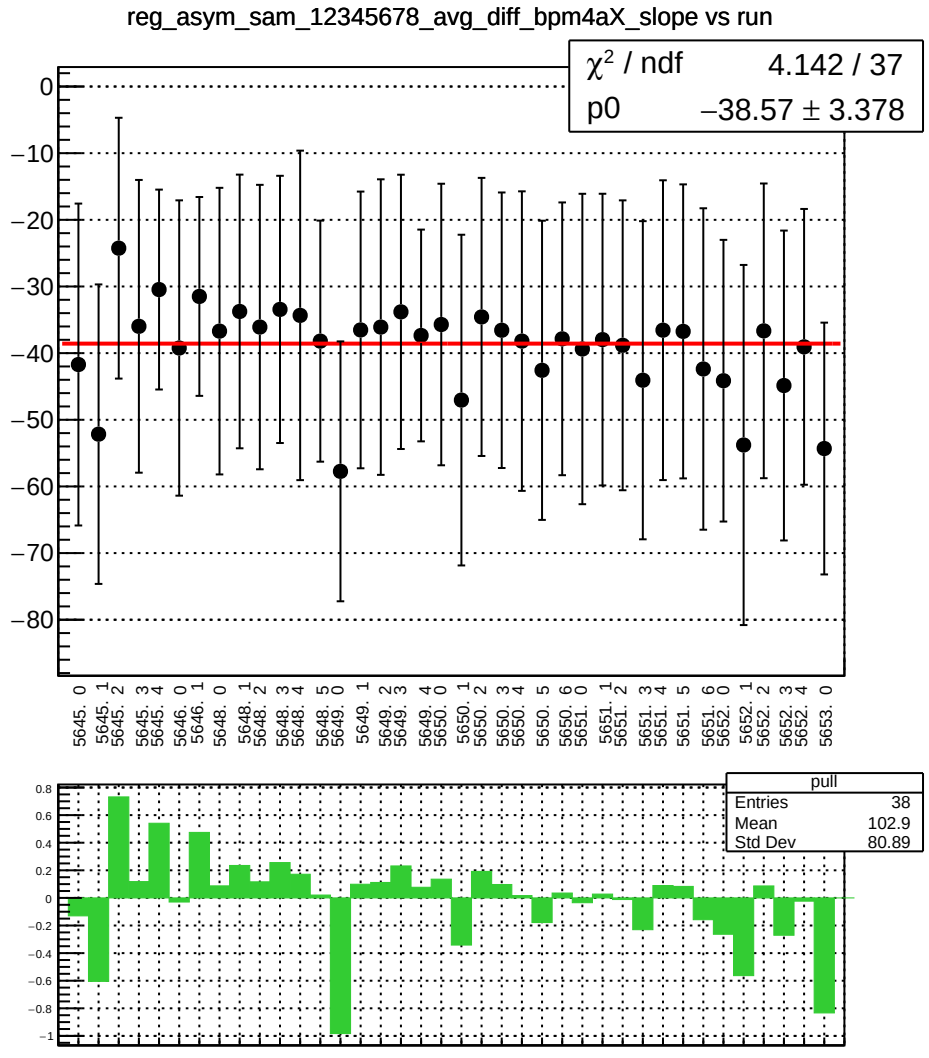

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.209 / 37
p0 16.29 ± 1.579
pull
Entries 38
Mean −19.1
Std Dev 24.64

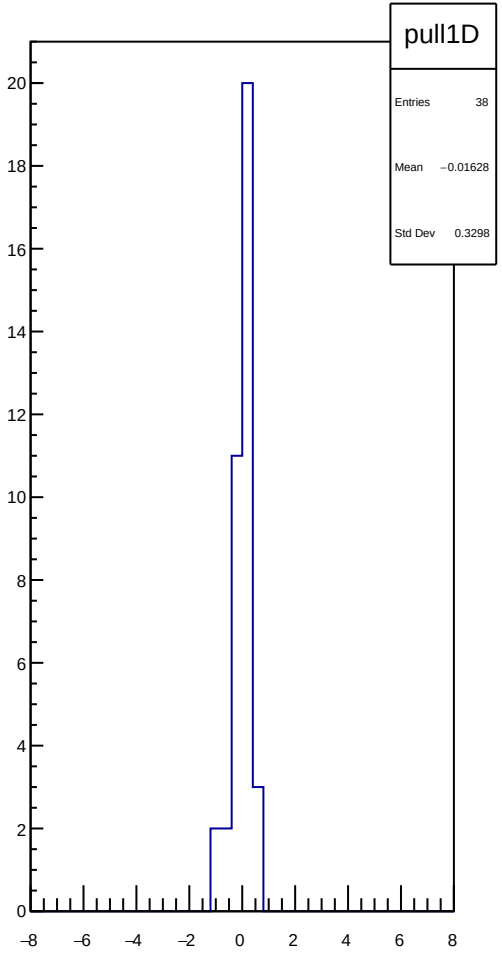

pull1D
Entries 38
Mean −0.006665
Std Dev 0.2905

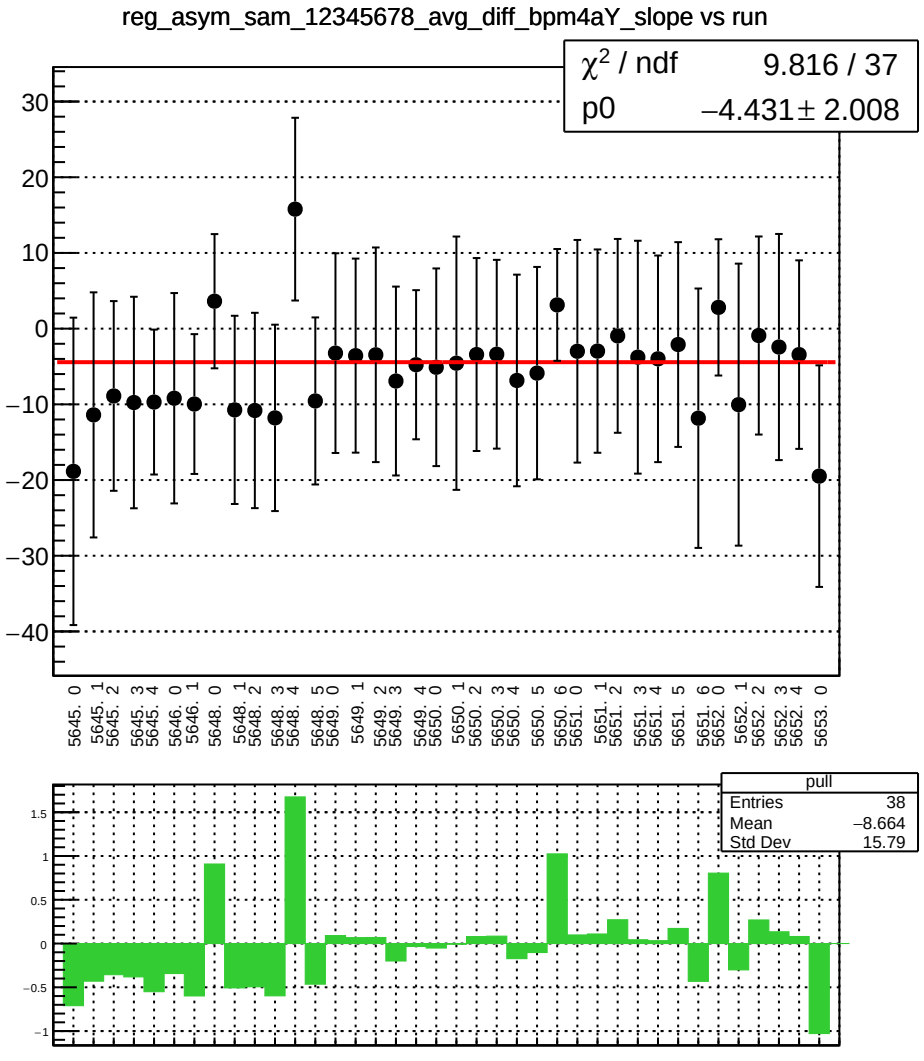

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.54 / 37
p0 2.768 ± 1.188
pull
Entries 38
Mean 26.35
Std Dev 13.61
pull1D
Entries 38
Mean −0.06531
Std Dev 0.5226

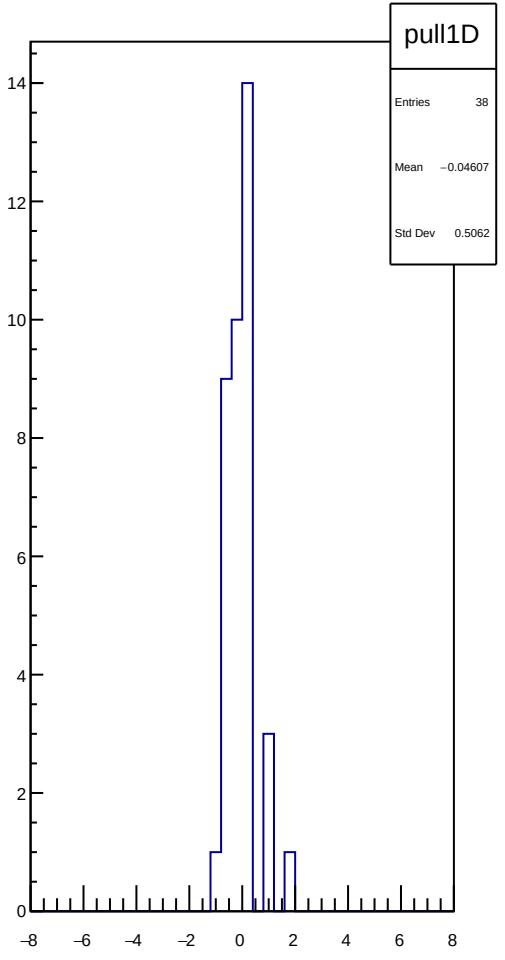

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.724 / 37
p0 0.378 ± 0.03603
pull
Entries 38
Mean 74.48
Std Dev 64.5

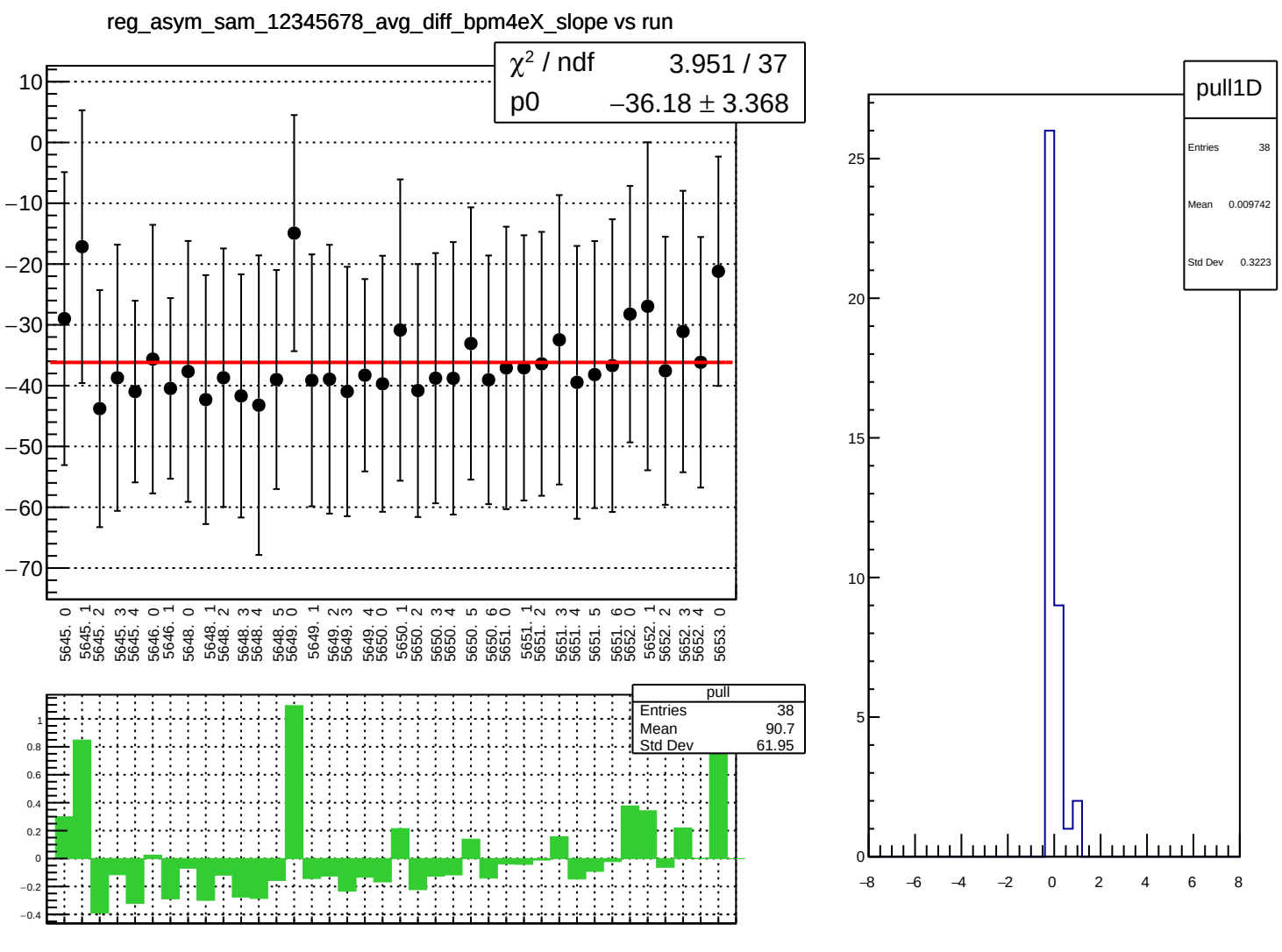

pull1D
Entries 38
Mean 0.009708
Std Dev 0.2128

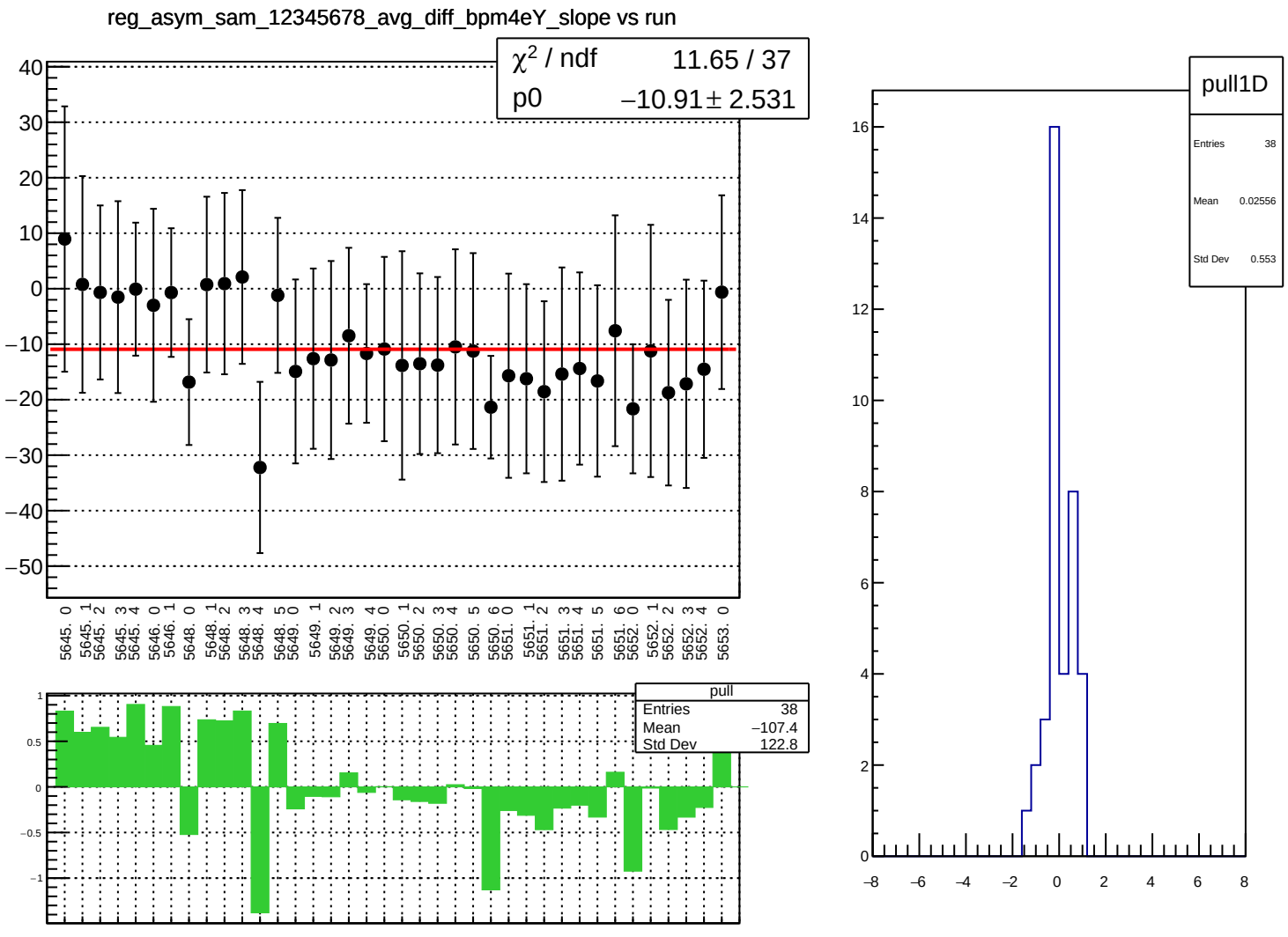

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.142 / 37
p0 −38.57 ± 3.378
pull
Entries 38
Mean 102.9
Std Dev 80.89

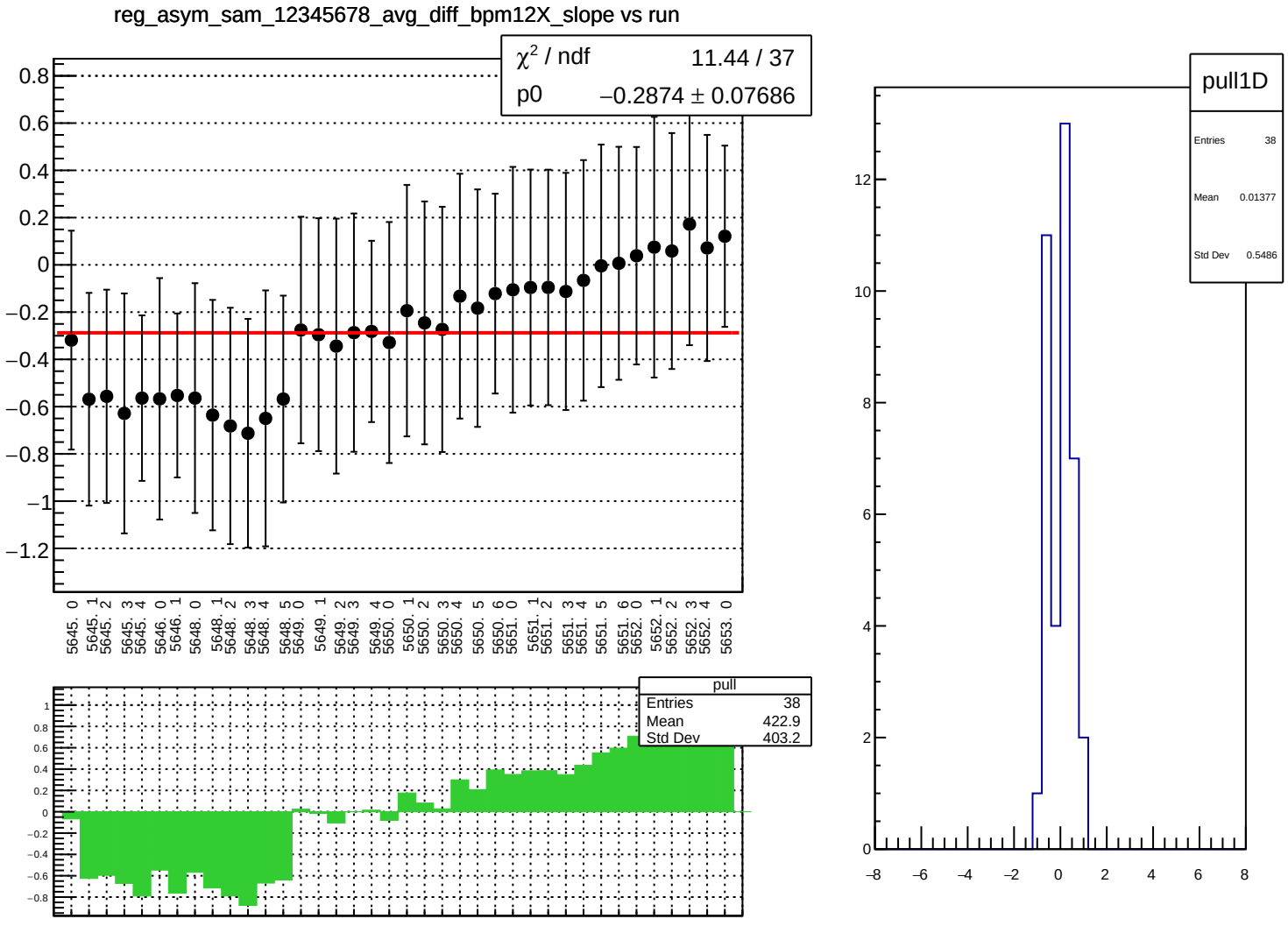

pull1D
Entries 38
Mean −0.01628
Std Dev 0.3298

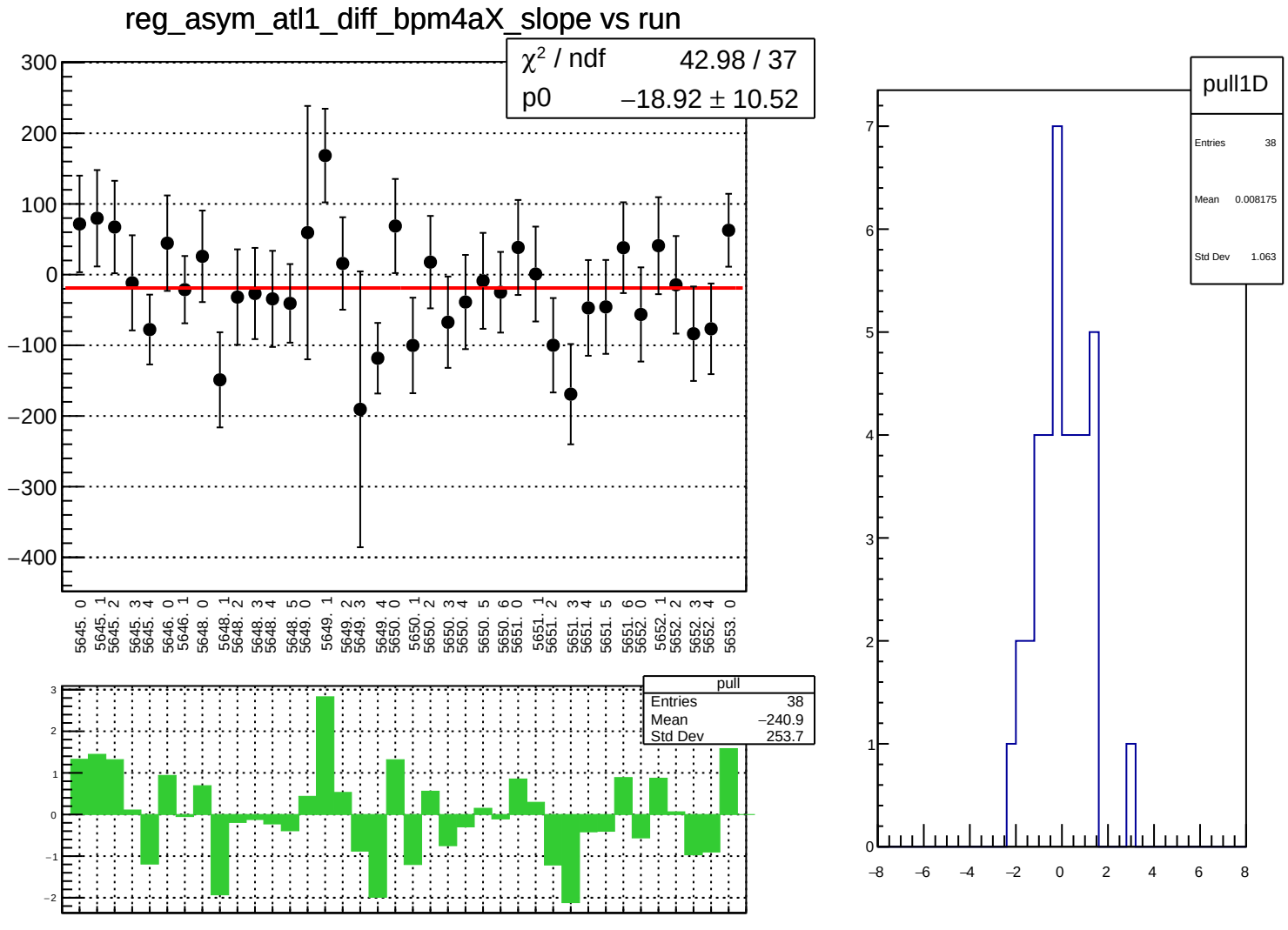

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.816 / 37
p0 −4.431 ± 2.008
30
20
10
0
−10
−20
−30
−40
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −8.664
Std Dev 15.79
1.5
1
0.5
0
−0.5
−1

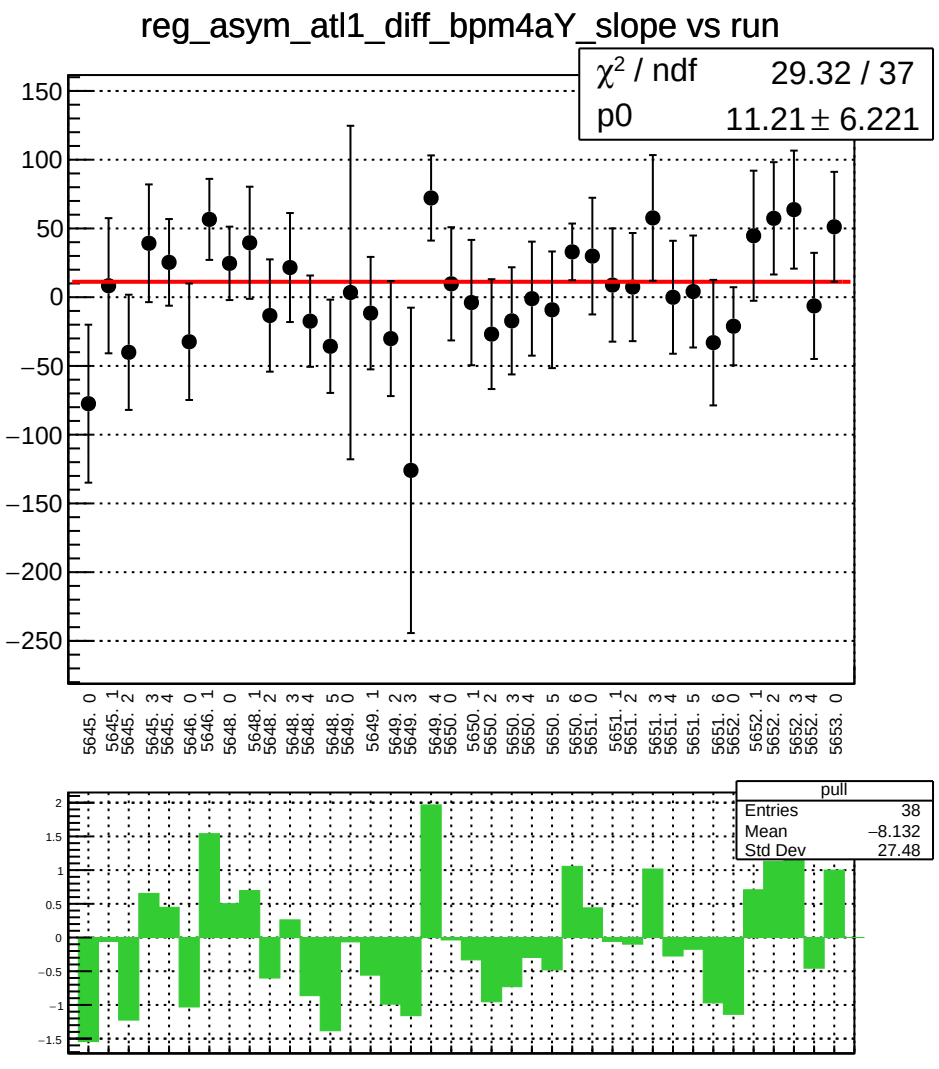

pull1D
Entries 38
Mean −0.04607
Std Dev 0.5062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

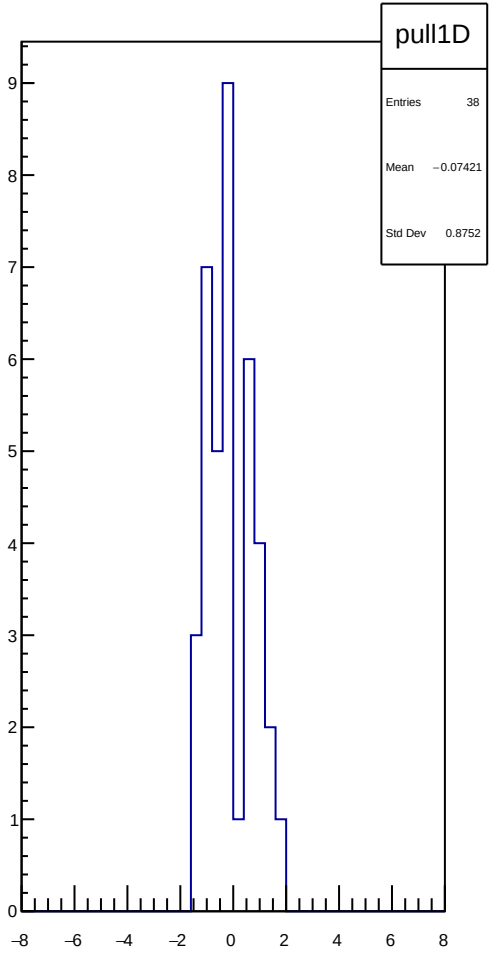

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.951 / 37
p0 −36.18 ± 3.368
pull
Entries 38
Mean 90.7
Std Dev 61.95
pull1D
Entries 38
Mean 0.009742
Std Dev 0.3223

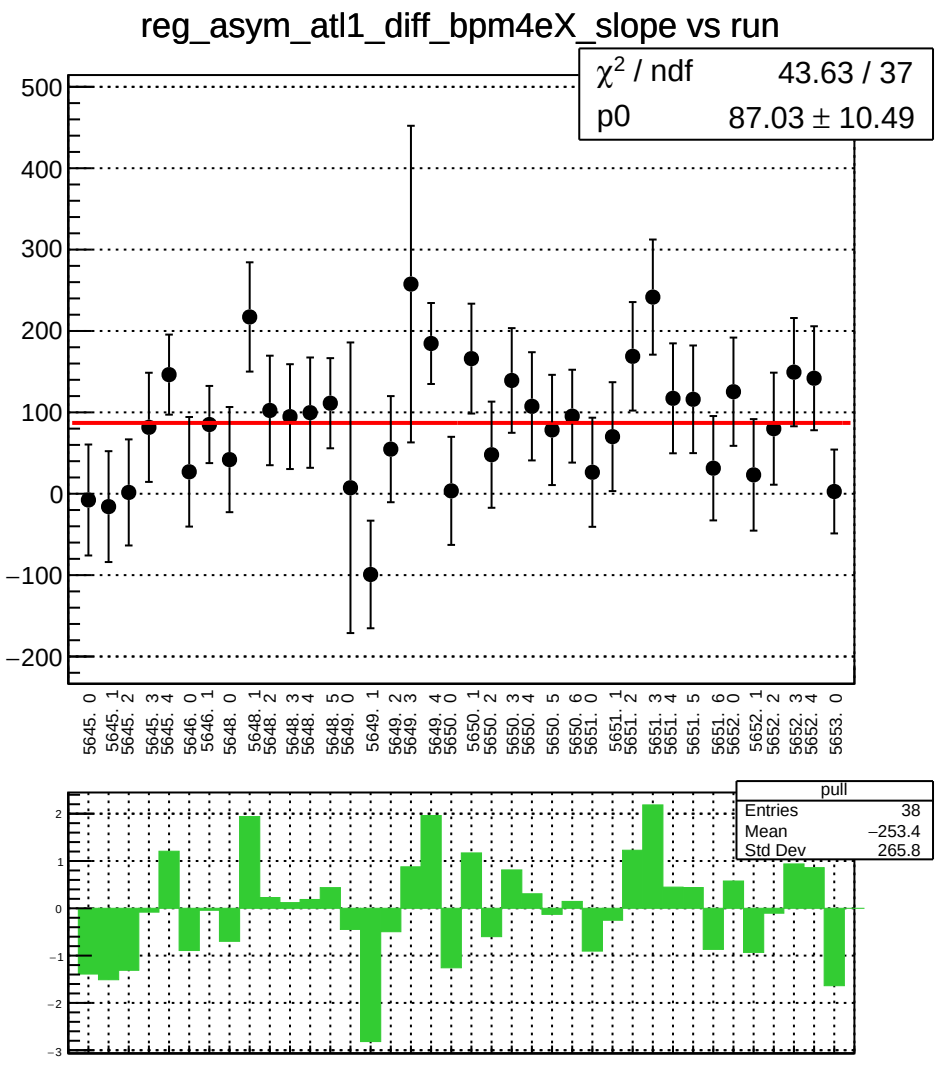

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.65 / 37
p0 −10.91 ± 2.531
pull
Entries 38
Mean −107.4
Std Dev 122.8
pull1D
Entries 38
Mean 0.02556
Std Dev 0.553

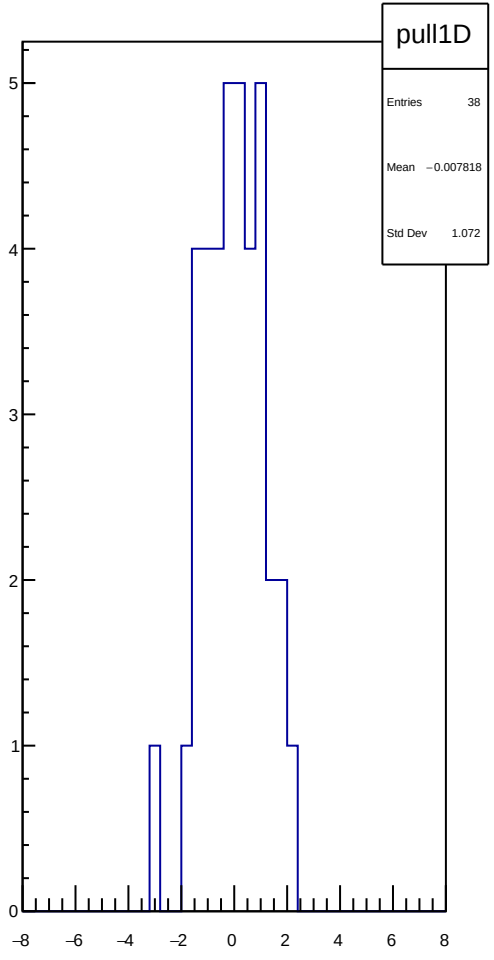

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 11.44 / 37
p0 −0.2874 ± 0.07686
pull
Entries 38
Mean 422.9
Std Dev 403.2
pull1D
Entries 38
Mean 0.01377
Std Dev 0.5486

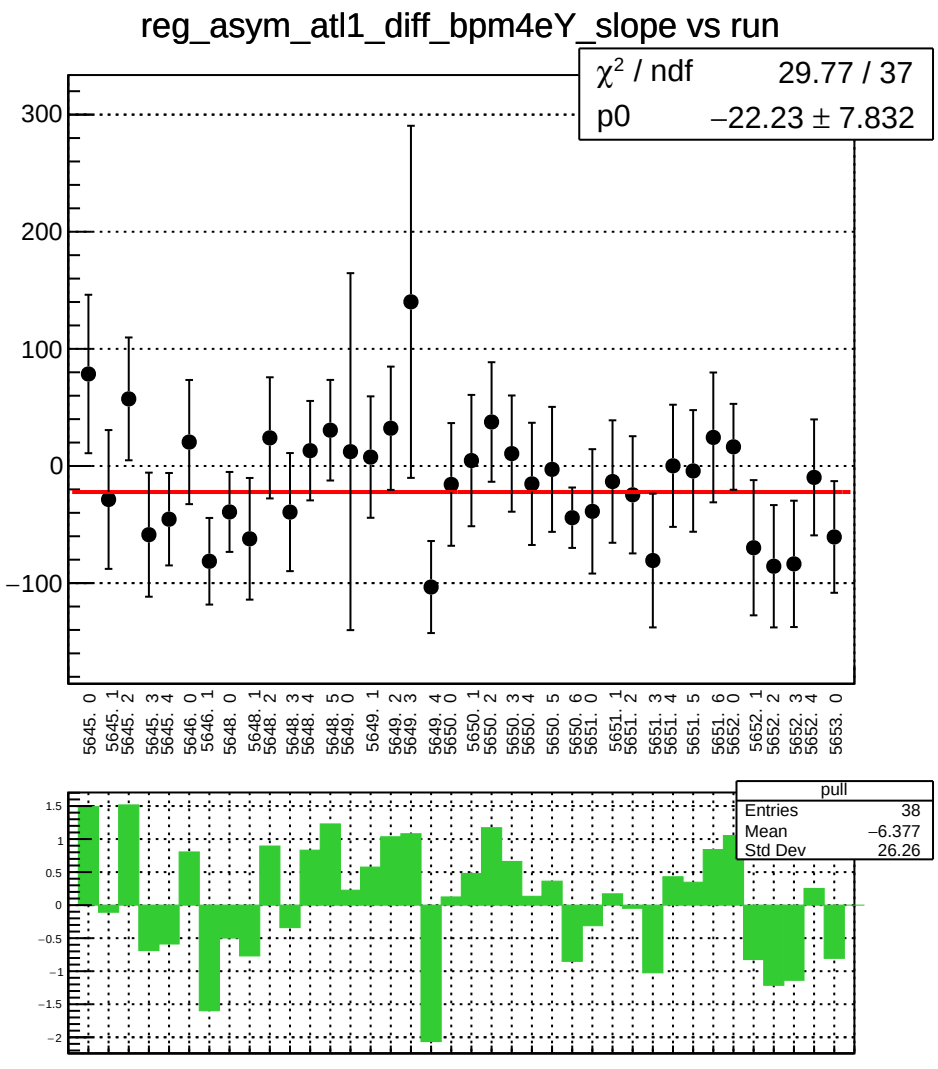

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 42.98 / 37
p0 −18.92 ± 10.52
pull
Entries 38
Mean −240.9
Std Dev 253.7
pull1D
Entries 38
Mean 0.008175
Std Dev 1.063

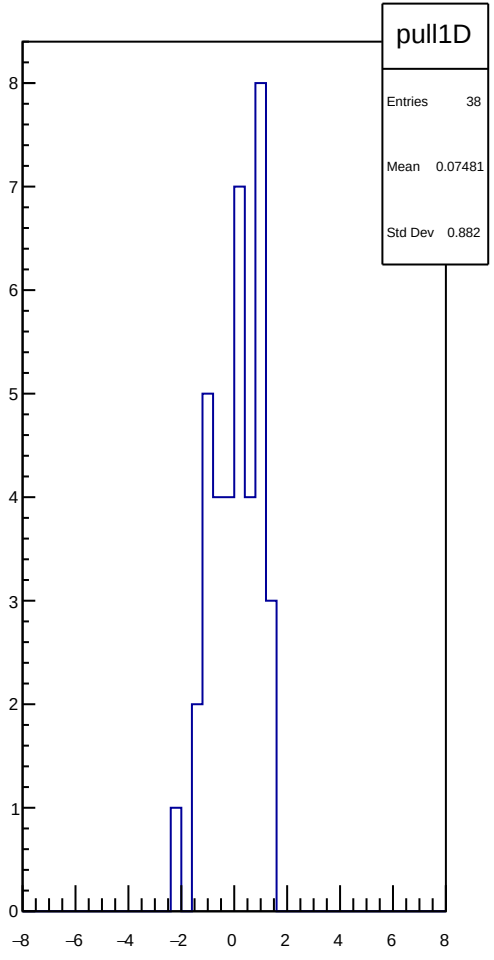

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 29.32 / 37
p0 11.21 ± 6.221
150
100
50
0
−50
−100
−150
−200
−250
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −8.132
Std Dev 27.48
2
1.5
1
0.5
0
−0.5
−1
−1.5

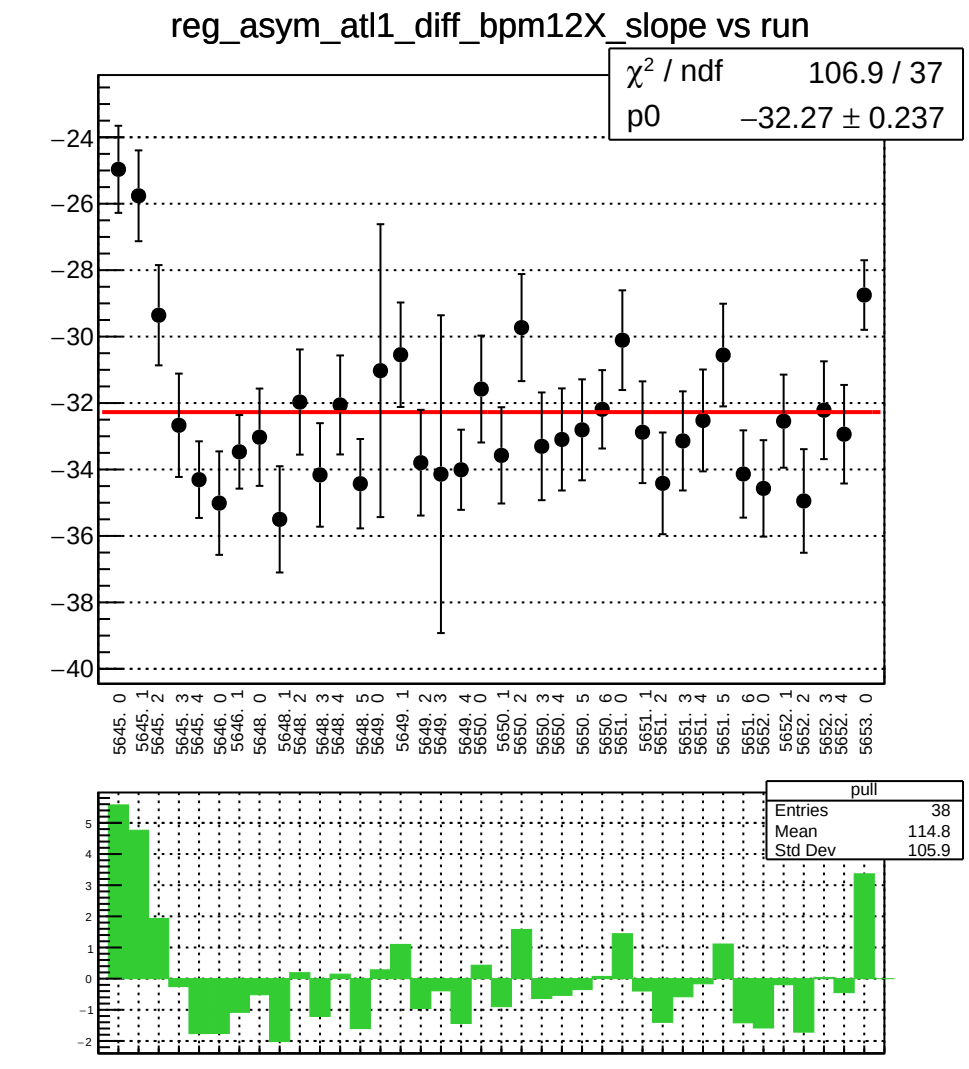

pull1D
Entries 38
Mean −0.07421
Std Dev 0.8752
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

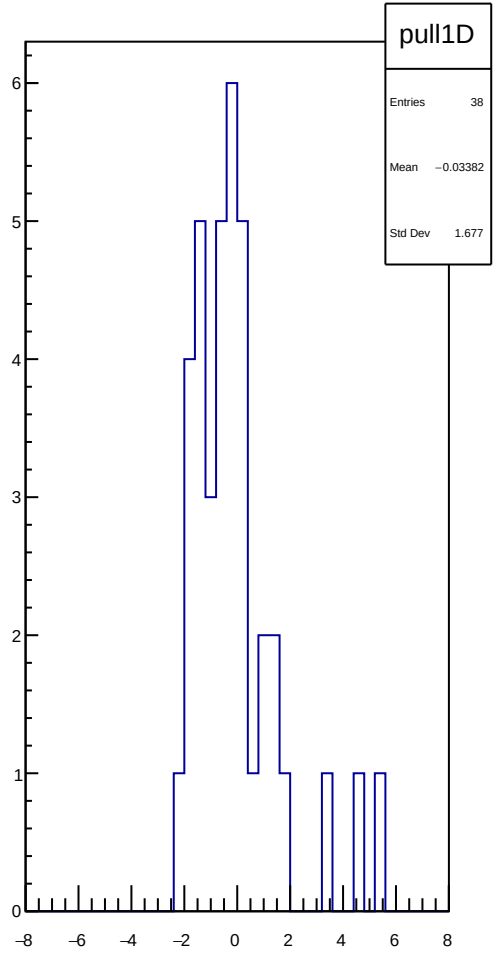

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 43.63 / 37
p0 87.03 ± 10.49
pull
Entries 38
Mean −253.4
Std Dev 265.8

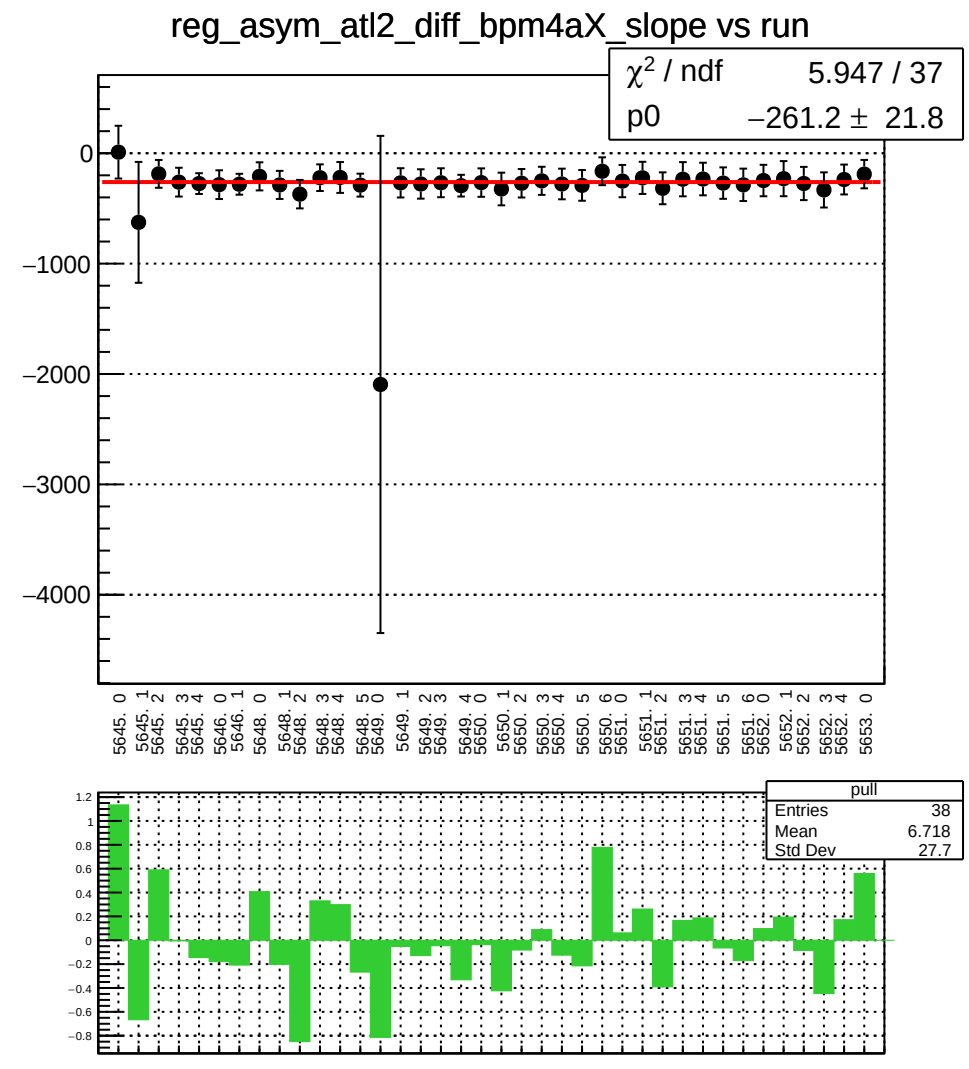

pull1D
Entries 38
Mean −0.007818
Std Dev 1.072

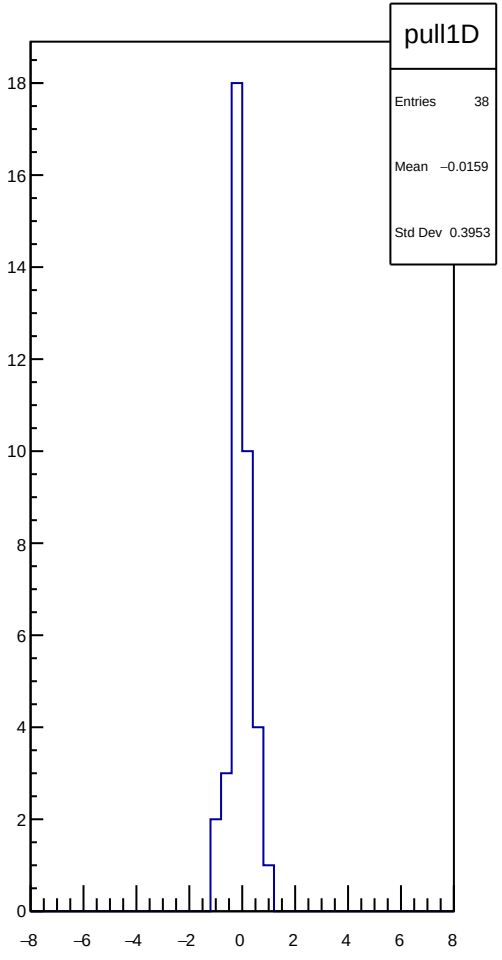

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 29.77 / 37
p0 −22.23 ± 7.832
300
200
100
0
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −6.377
Std Dev 26.26
1.5
1
0.5
0
−0.5
−1
−1.5
−2

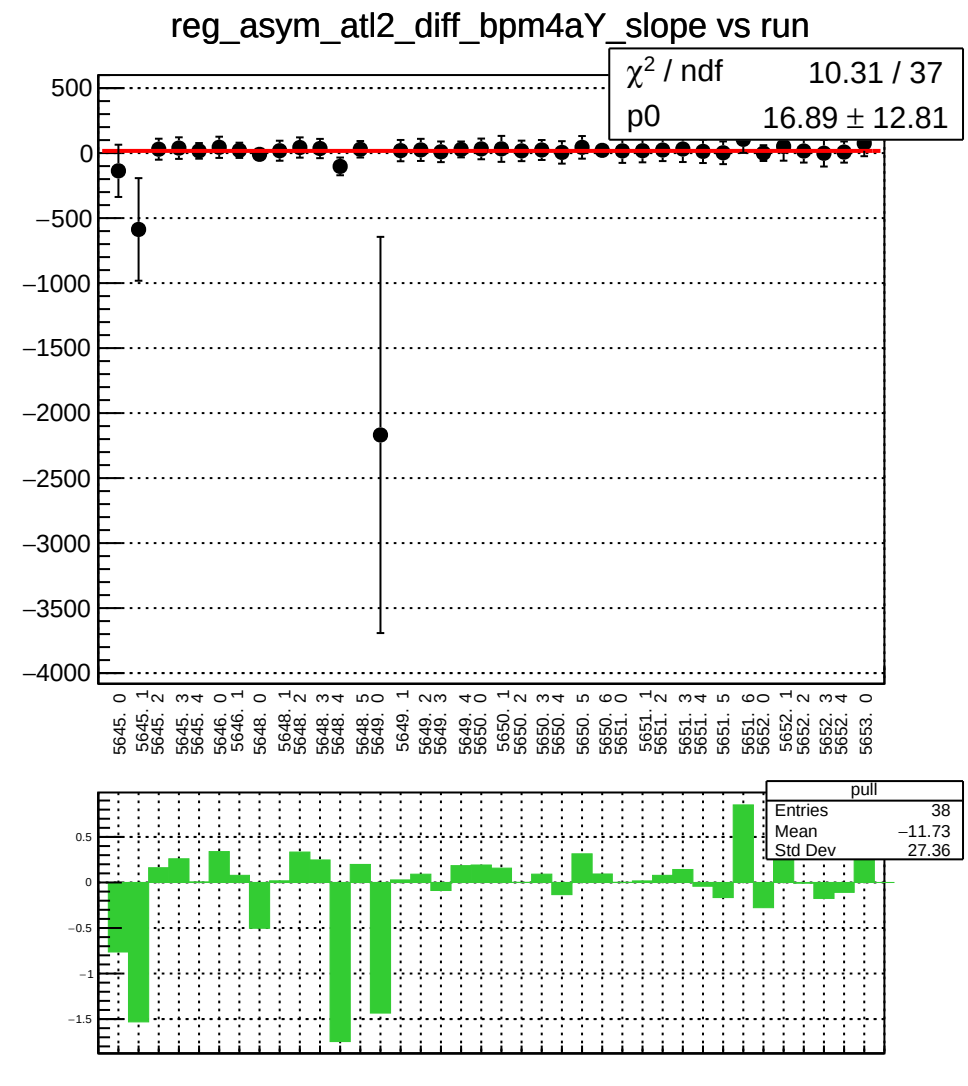

pull1D
Entries 38
Mean 0.07481
Std Dev 0.882
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

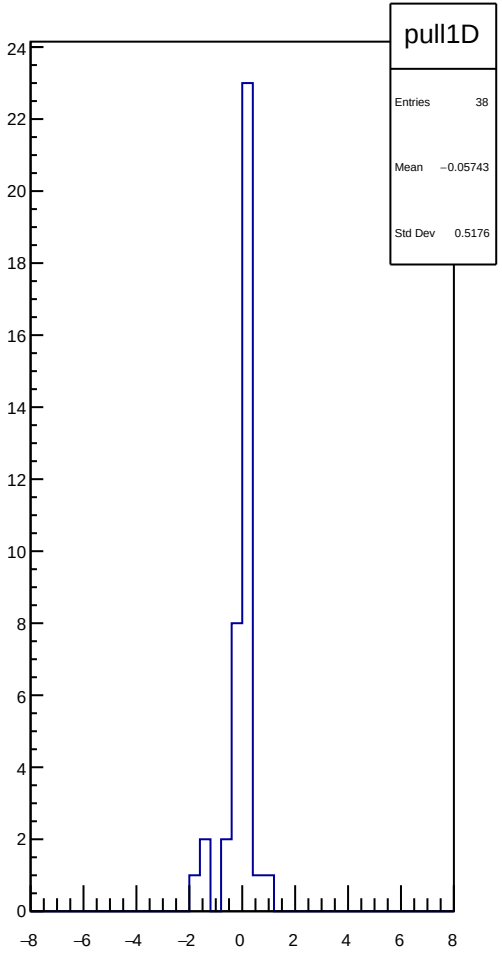

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 106.9 / 37
p0 −32.27 ± 0.237
pull
Entries 38
Mean 114.8
Std Dev 105.9

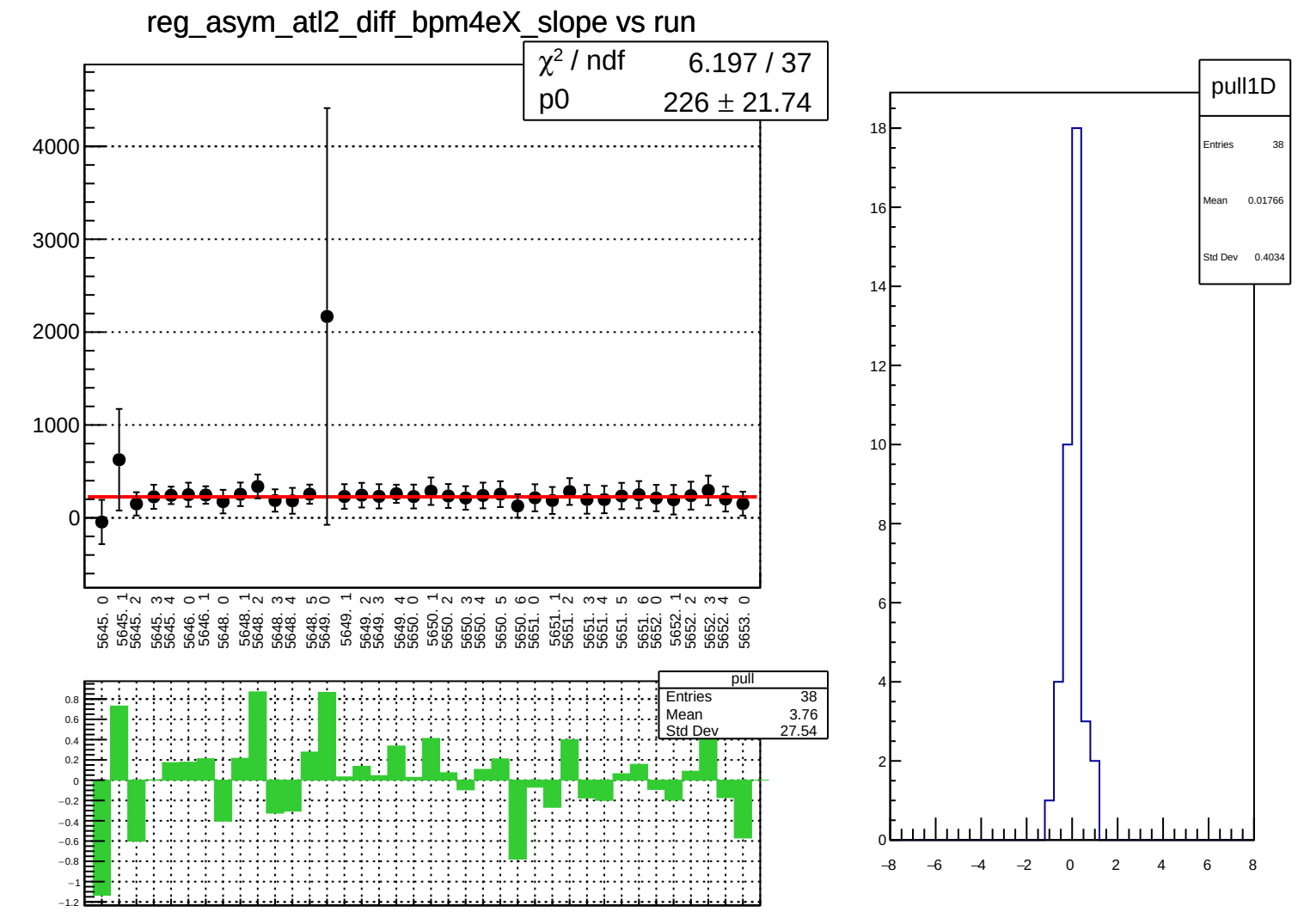

pull1D
Entries 38
Mean −0.03382
Std Dev 1.677

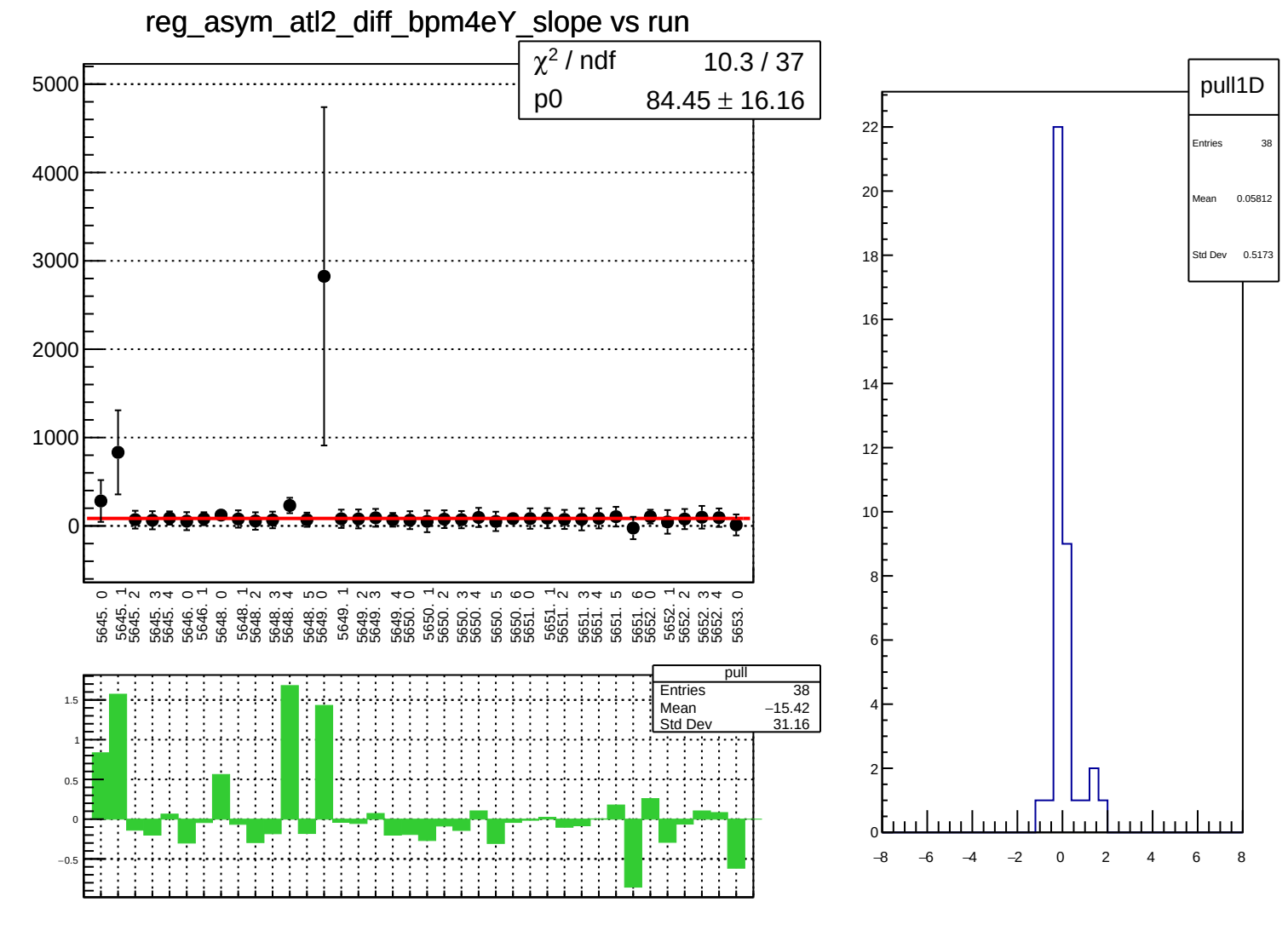

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 5.947 / 37
p0 −261.2 ± 21.8
0
−1000
−2000
−3000
−4000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 6.718
Std Dev 27.7
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

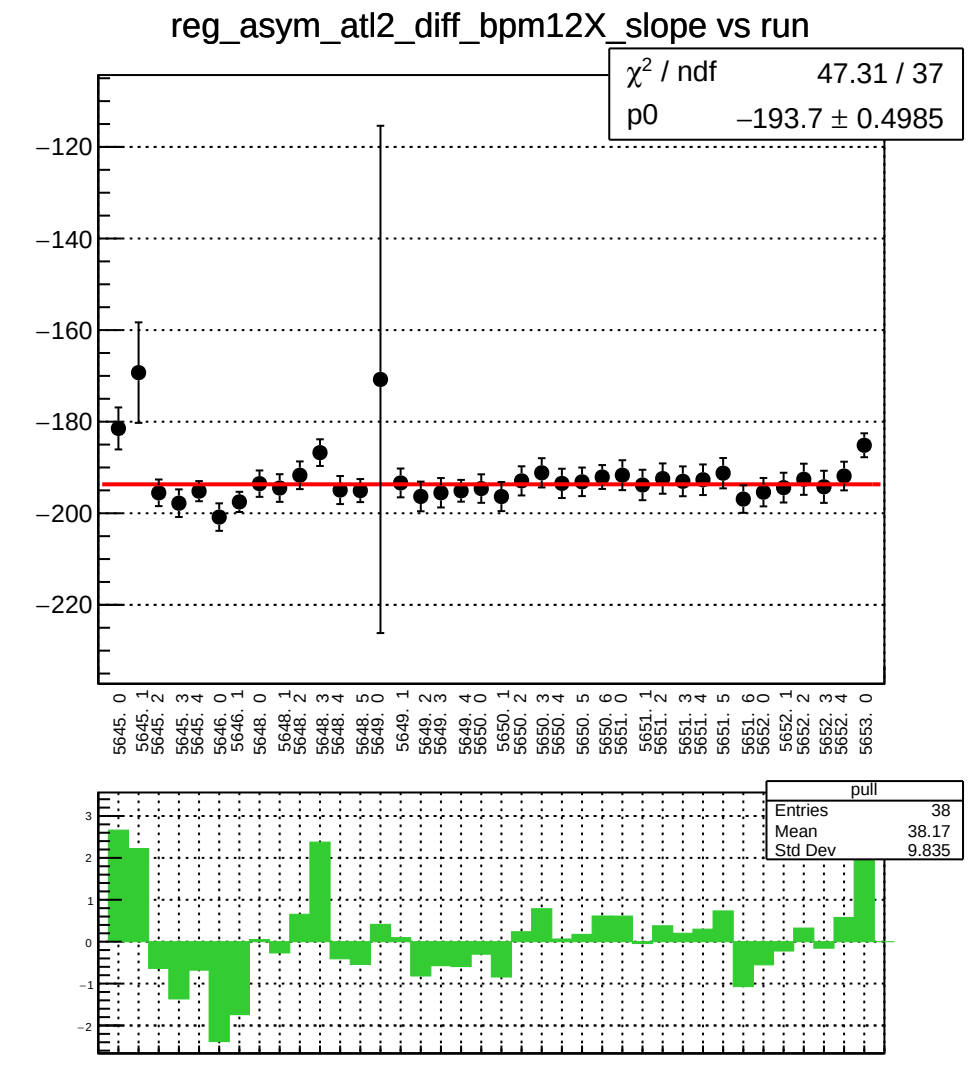

pull1D
Entries 38
Mean −0.0159
Std Dev 0.3953
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

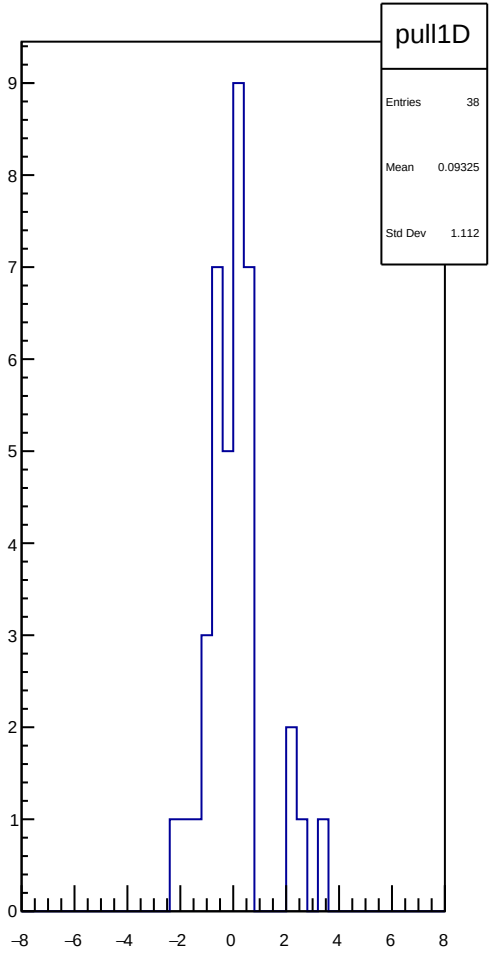

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 10.31 / 37
p0 16.89 ± 12.81
pull
Entries 38
Mean −11.73
Std Dev 27.36

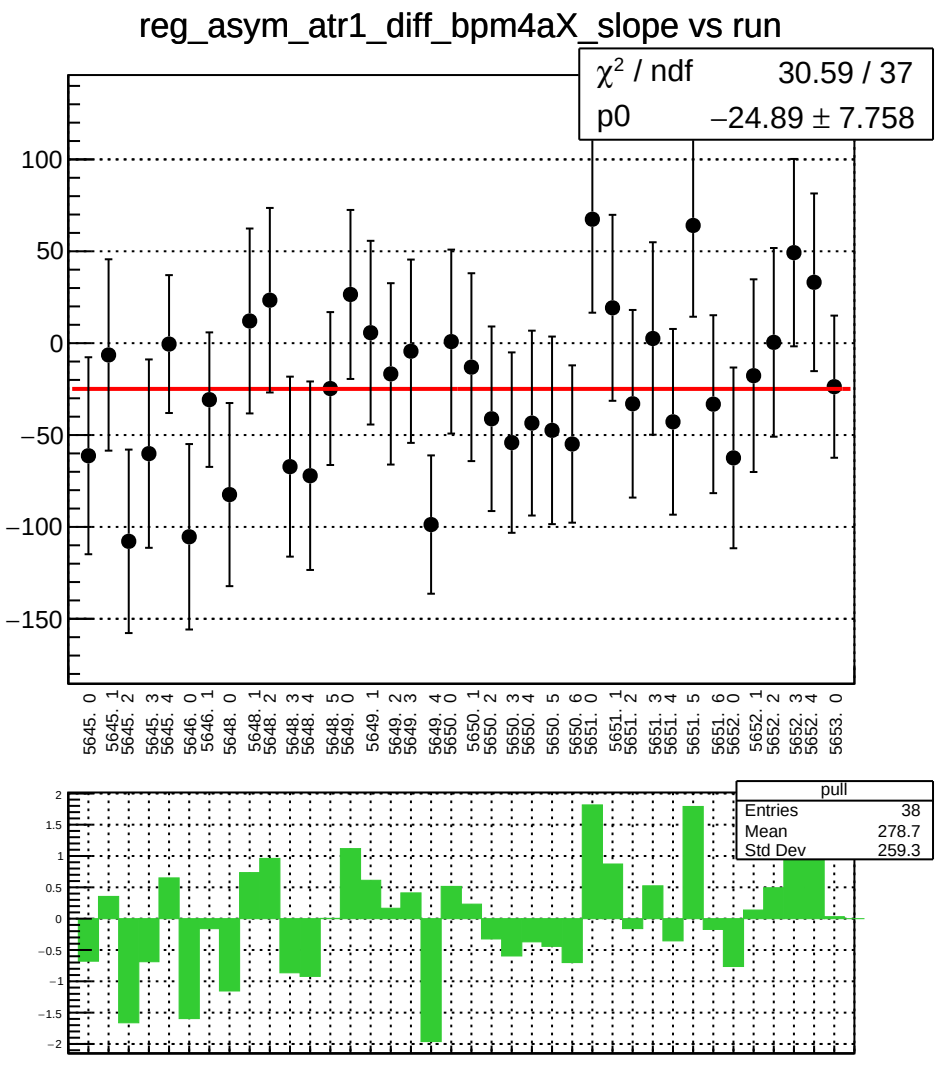

pull1D
Entries 38
Mean −0.05743
Std Dev 0.5176

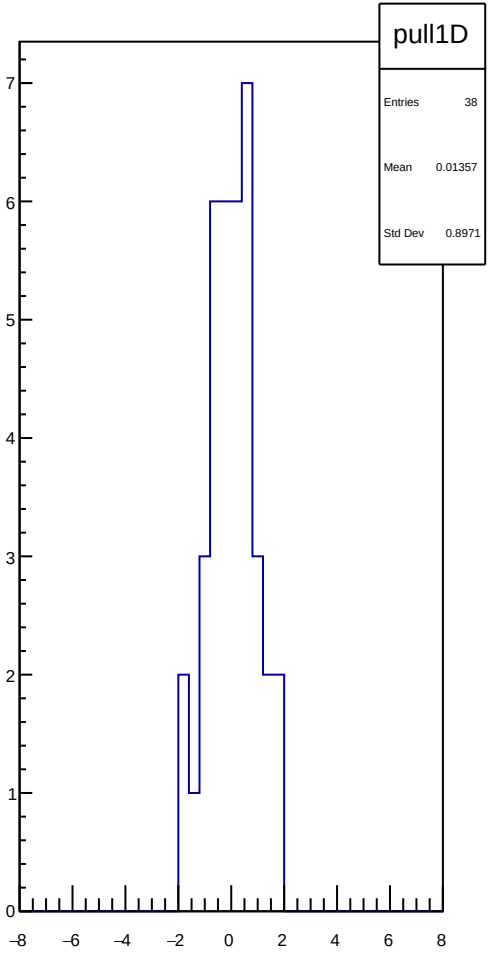

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 6.197 / 37
p0 226 ± 21.74
4000
3000
2000
1000
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 3.76
Std Dev 27.54
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 38
Mean 0.01766
Std Dev 0.4034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

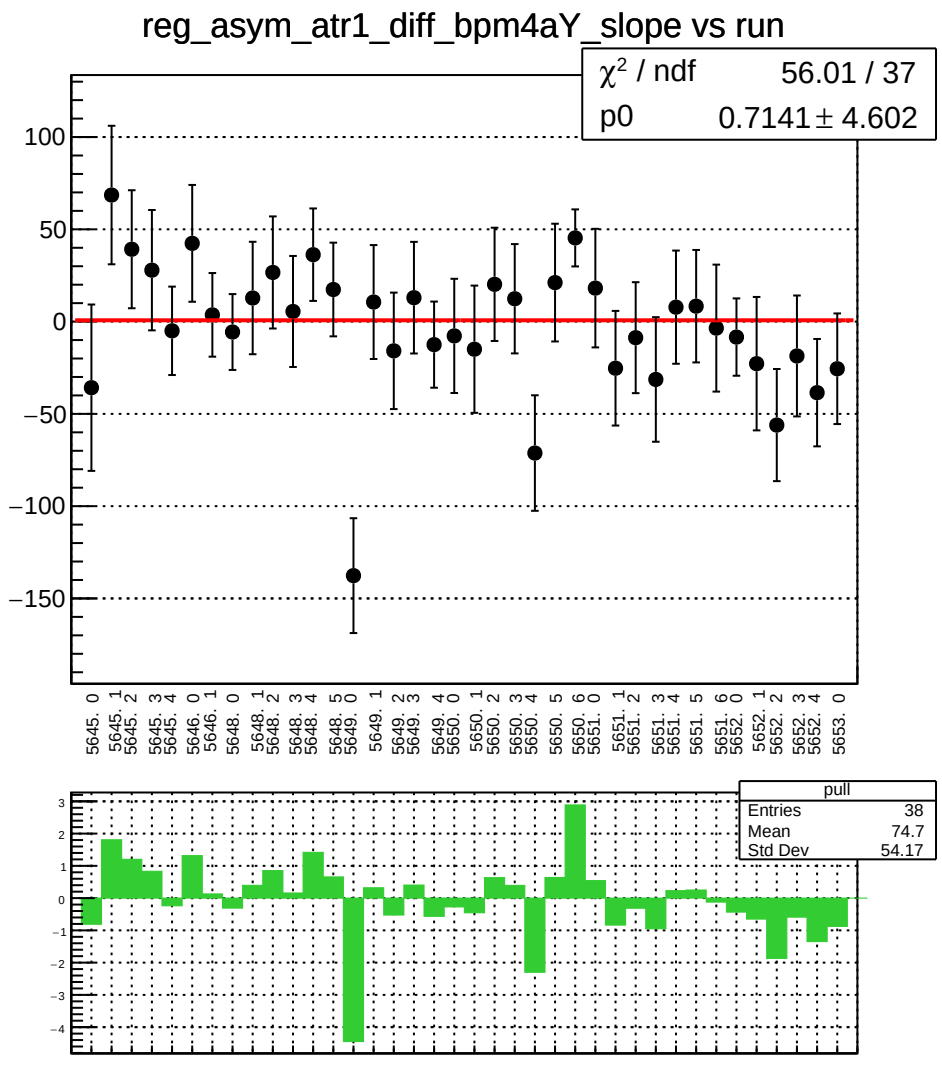

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 10.3 / 37
p0 84.45 ± 16.16
5000
4000
3000
2000
1000
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −15.42
Std Dev 31.16
1.5
1
0.5
0
−0.5
pull1D
Entries 38
Mean 0.05812
Std Dev 0.5173
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

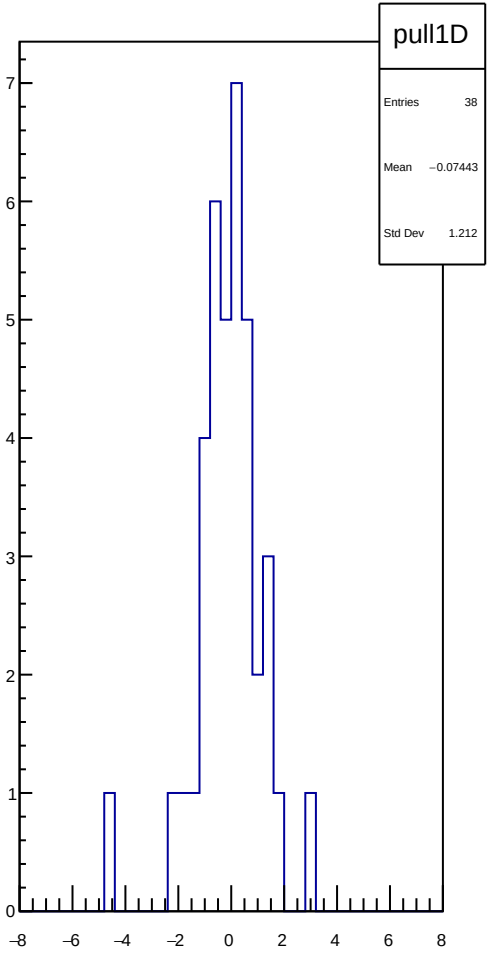

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 47.31 / 37
p0 −193.7 ± 0.4985
−120
−140
−160
−180
−200
−220
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 38.17
Std Dev 9.835
3
2
1
0
−1
−2

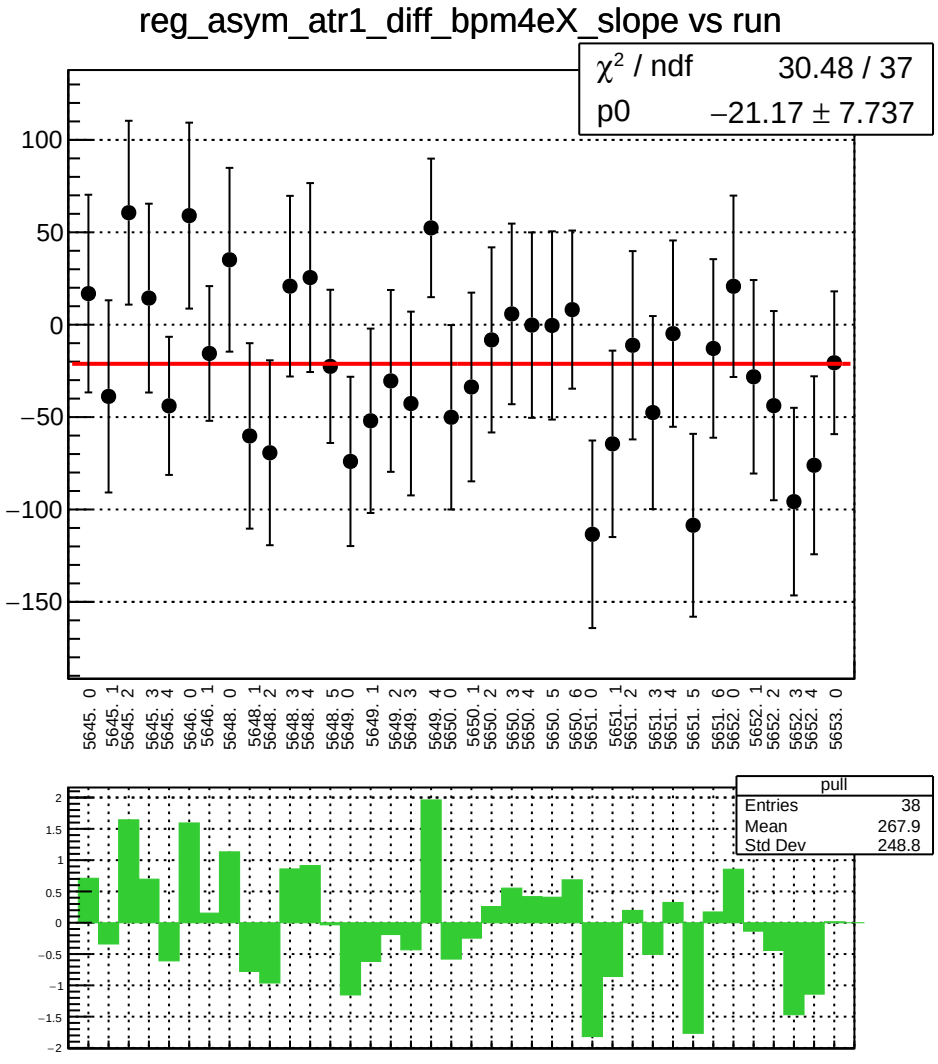

pull1D
Entries 38
Mean 0.09325
Std Dev 1.112
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

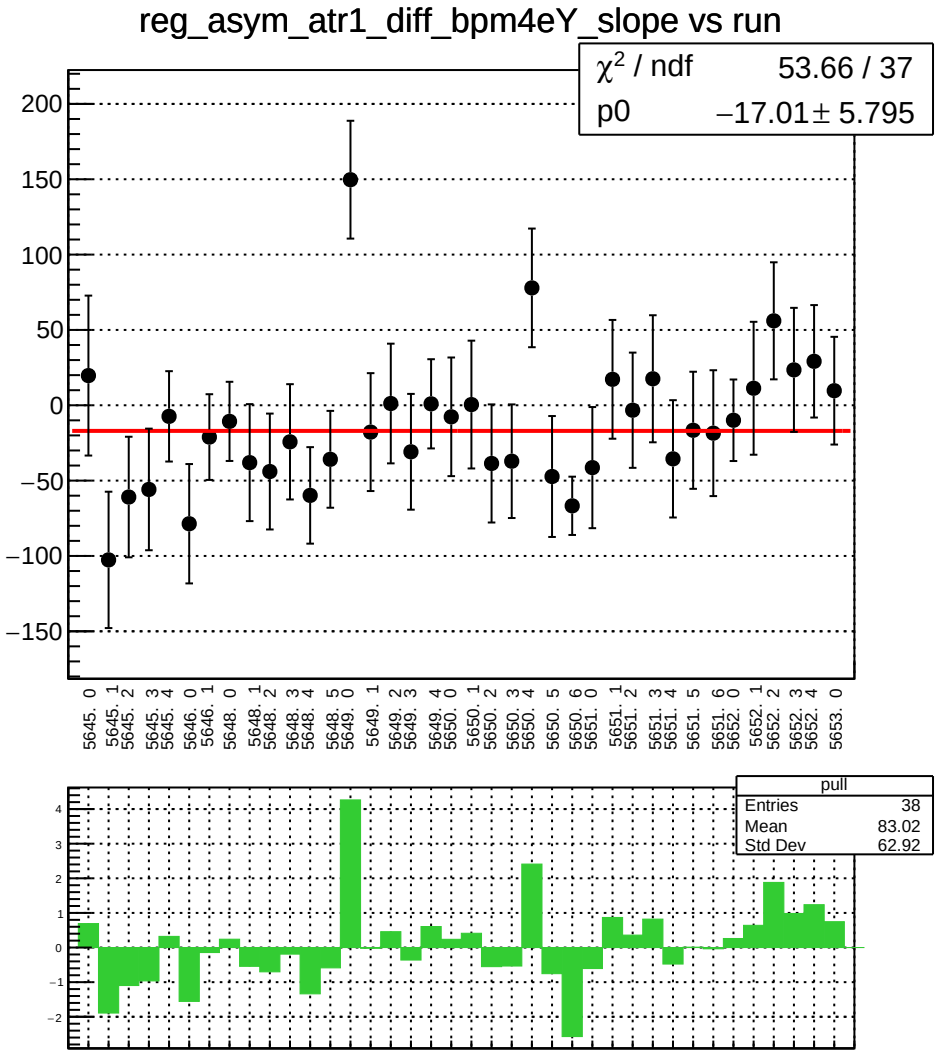

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 30.59 / 37
p0 −24.89 ± 7.758
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 278.7
Std Dev 259.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

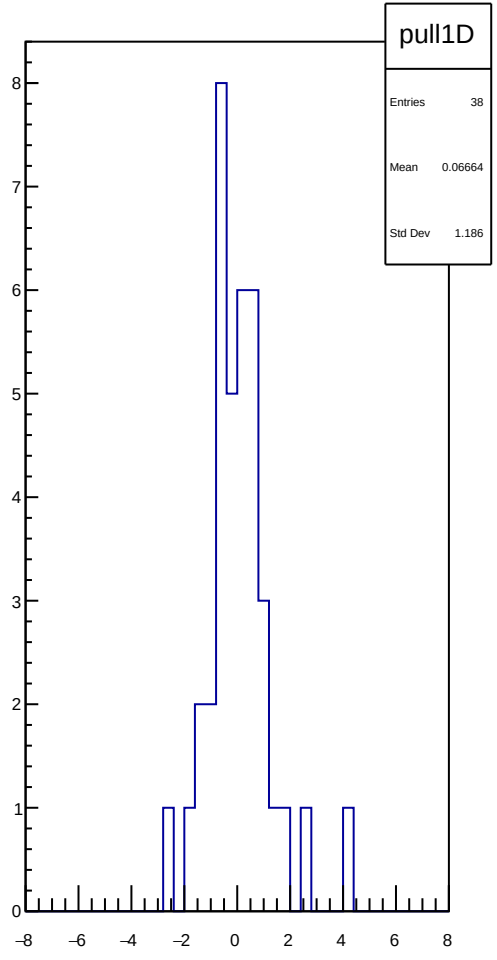

pull1D
Entries 38
Mean 0.01357
Std Dev 0.8971
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

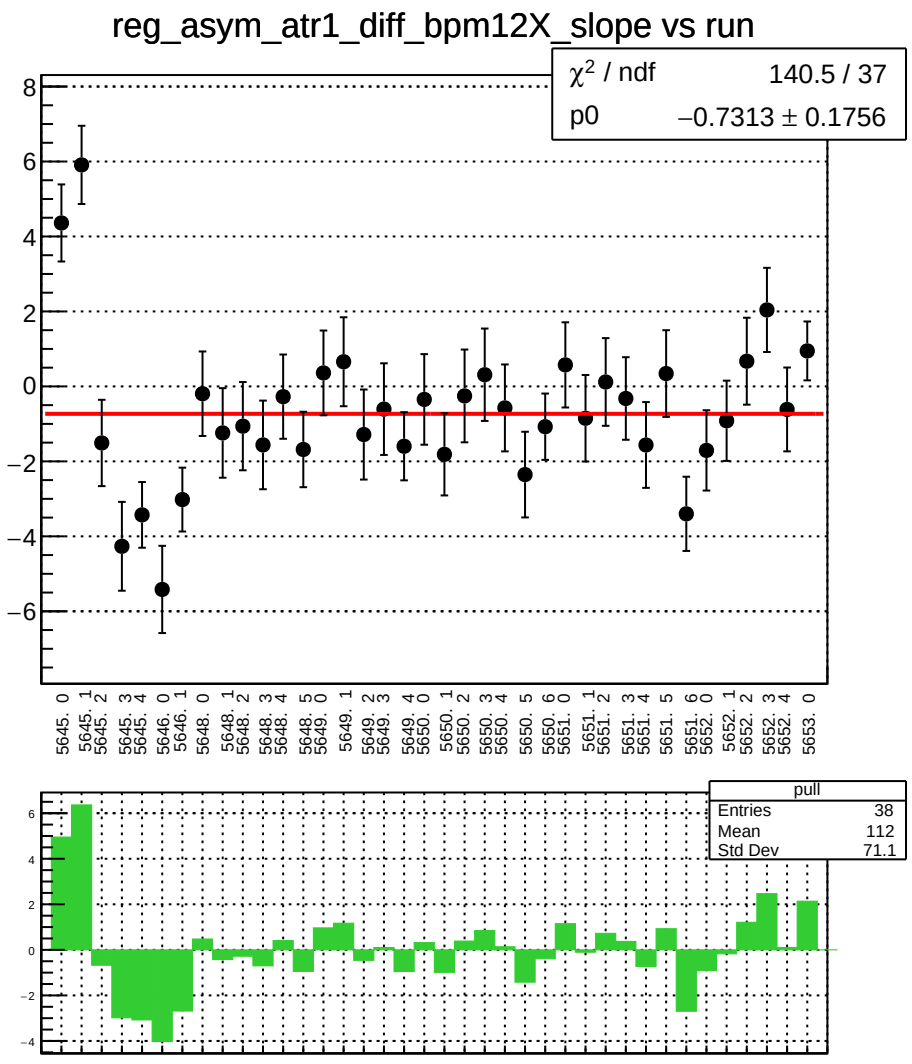

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 56.01 / 37
p0 0.7141 ± 4.602
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 74.7
Std Dev 54.17
3
2
1
0
−1
−2
−3
−4

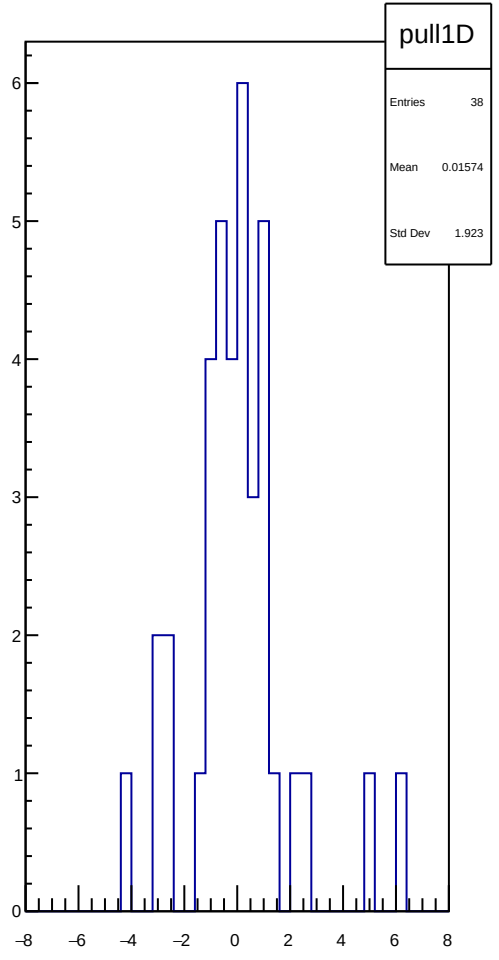

pull1D
Entries 38
Mean −0.07443
Std Dev 1.212
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

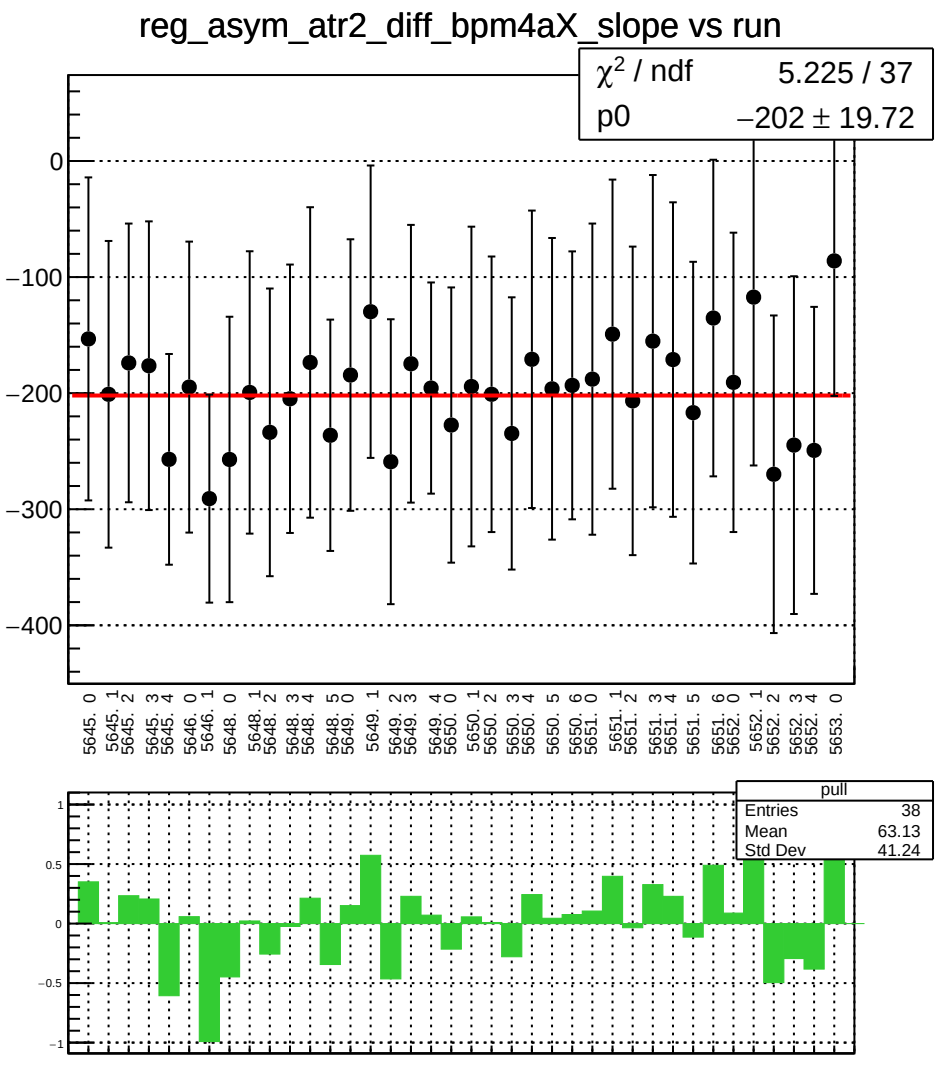

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 30.48 / 37
p0 −21.17 ± 7.737
pull
Entries 38
Mean 267.9
Std Dev 248.8
pull1D
Entries 38
Mean −0.01372
Std Dev 0.8955

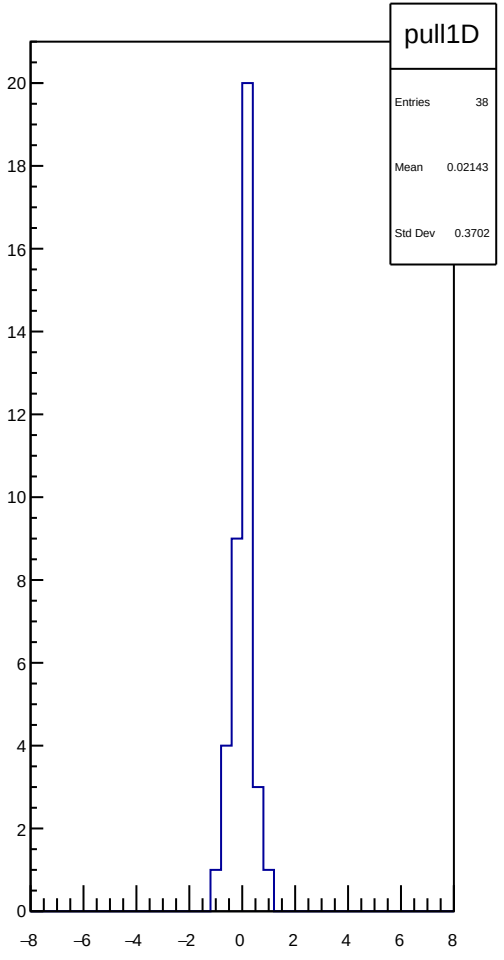

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 53.66 / 37
p0 −17.01 ± 5.795
200
150
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 83.02
Std Dev 62.92
4
3
2
1
0
−1
−2

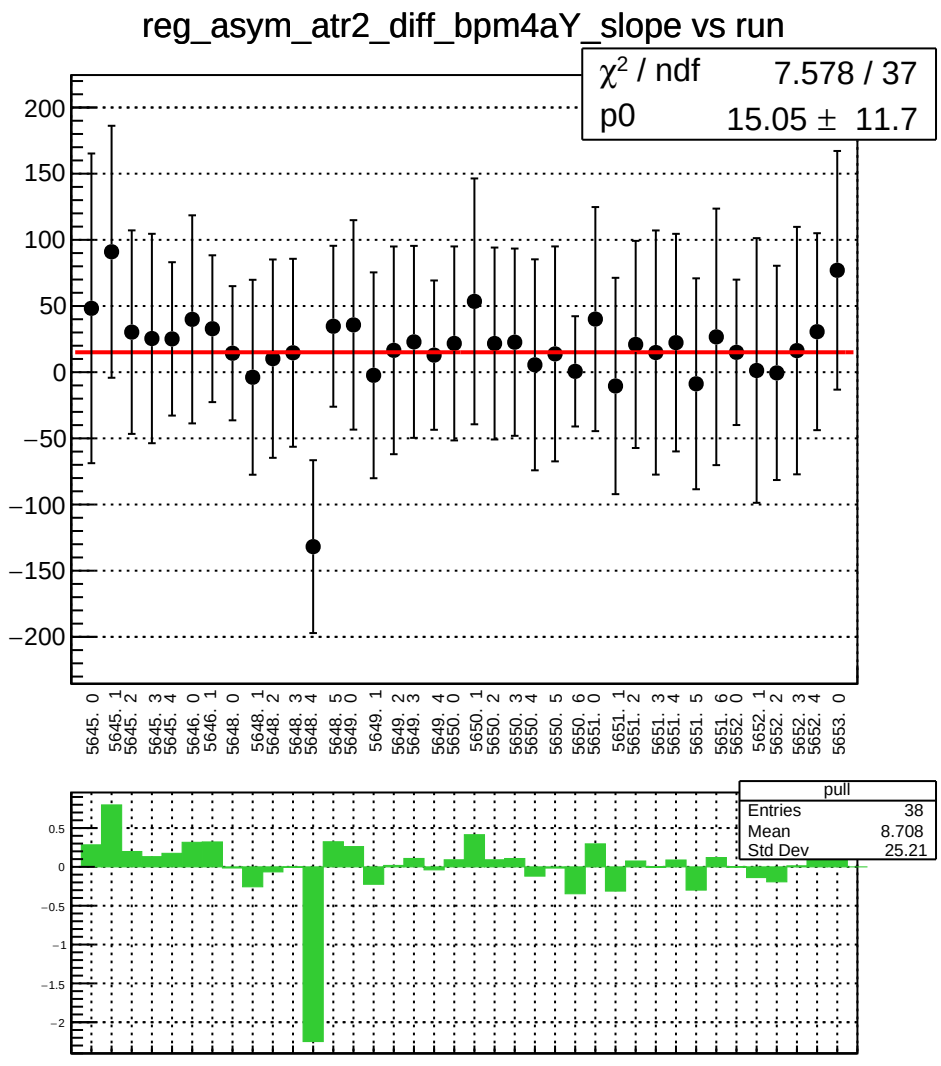

pull1D
Entries 38
Mean 0.06664
Std Dev 1.186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

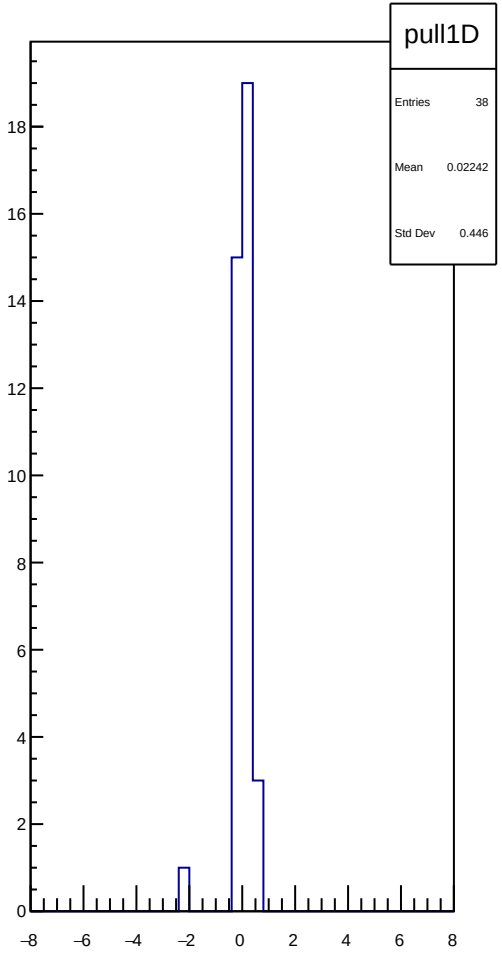

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 140.5 / 37
p0 −0.7313 ± 0.1756
pull
Entries 38
Mean 112
Std Dev 71.1

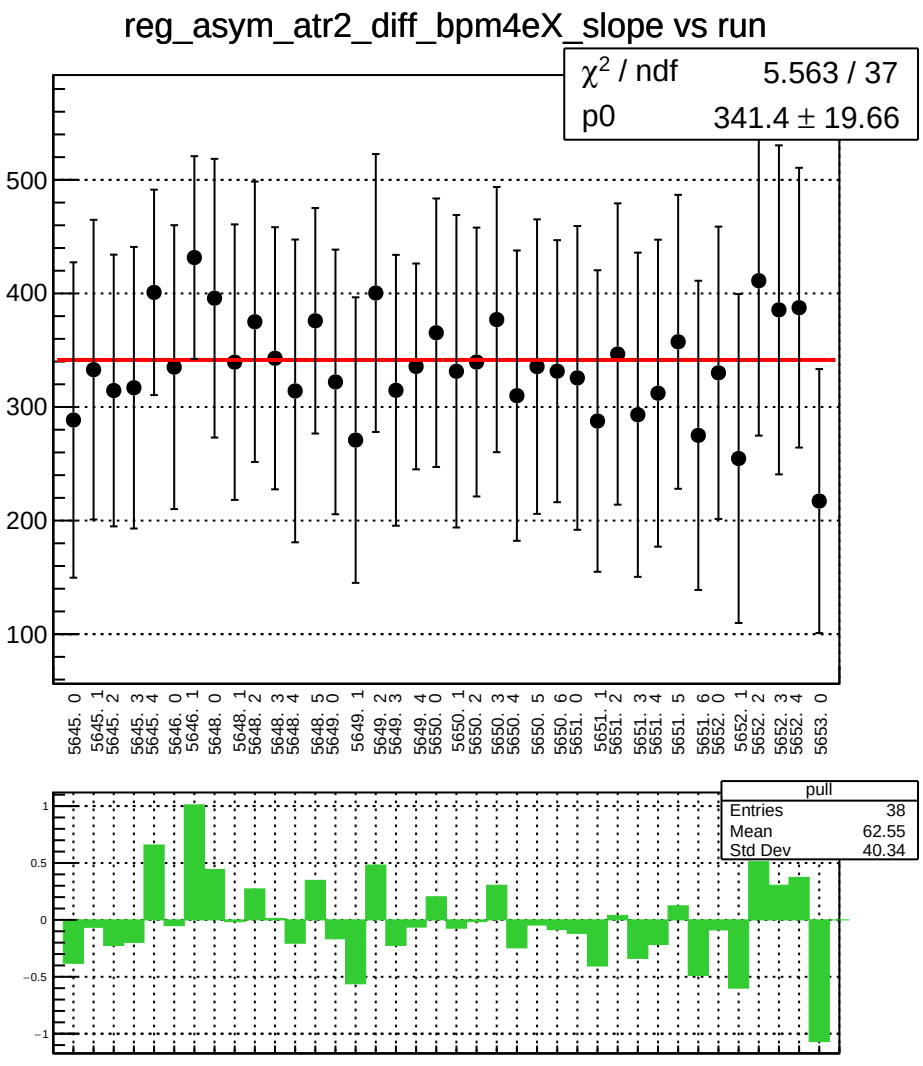

pull1D
Entries 38
Mean 0.01574
Std Dev 1.923

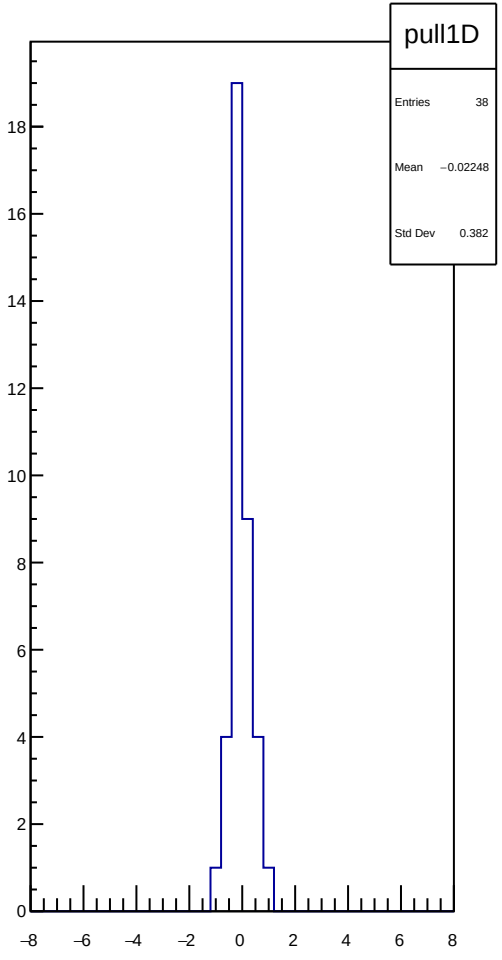

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 5.225 / 37
p0 −202 ± 19.72
0
−100
−200
−300
−400
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 63.13
Std Dev 41.24
1
0.5
0
−0.5
−1

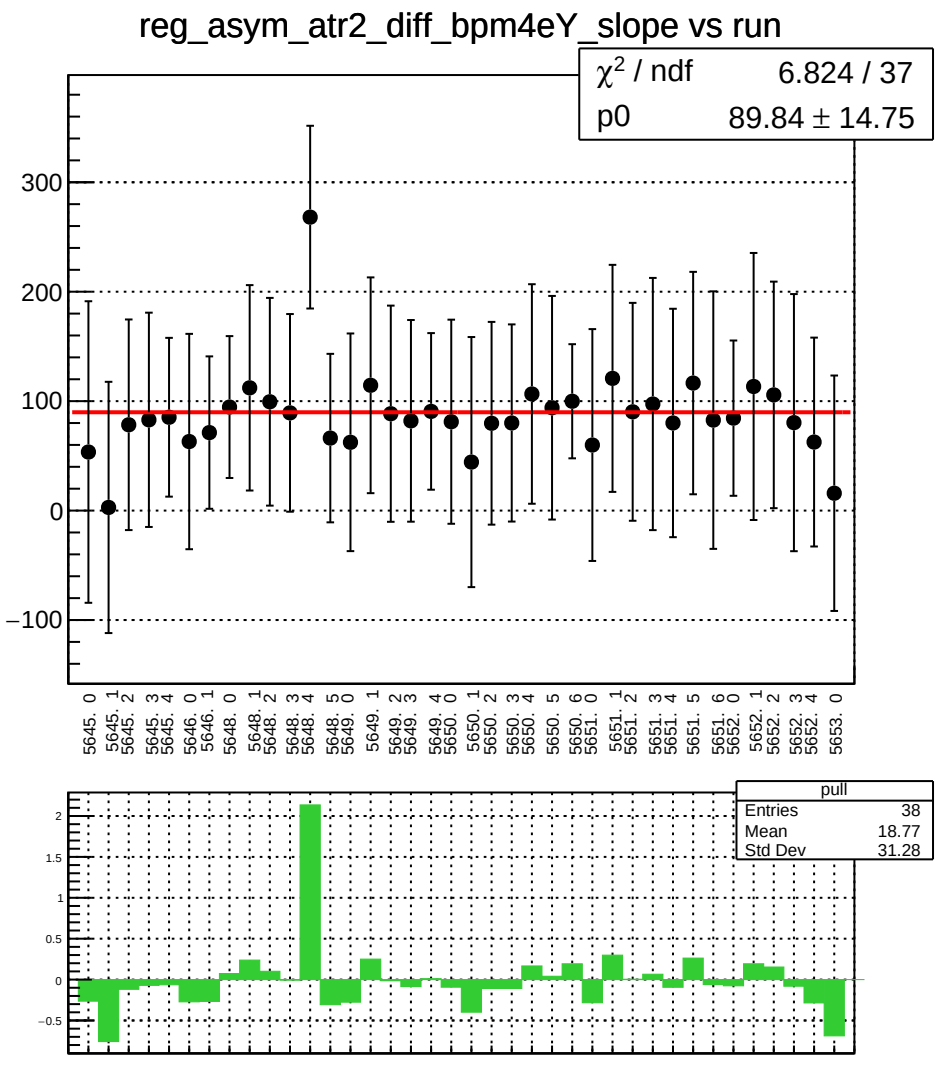

pull1D
Entries 38
Mean 0.02143
Std Dev 0.3702
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

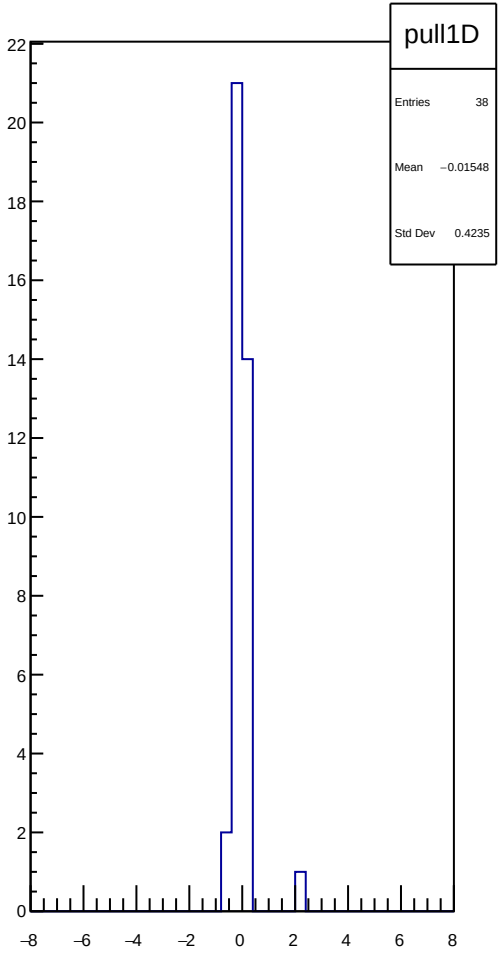

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 7.578 / 37
p0 15.05 ± 11.7
pull
Entries 38
Mean 8.708
Std Dev 25.21

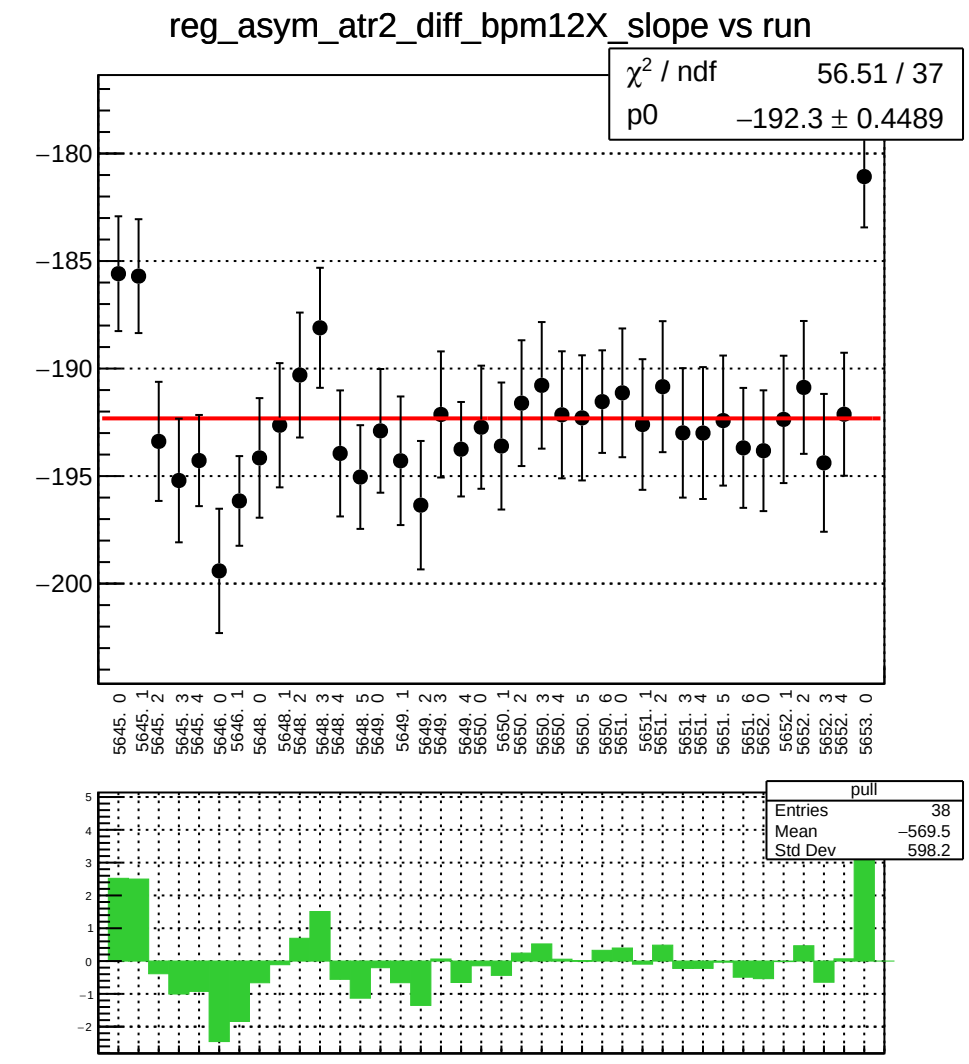

pull1D
Entries 38
Mean 0.02242
Std Dev 0.446

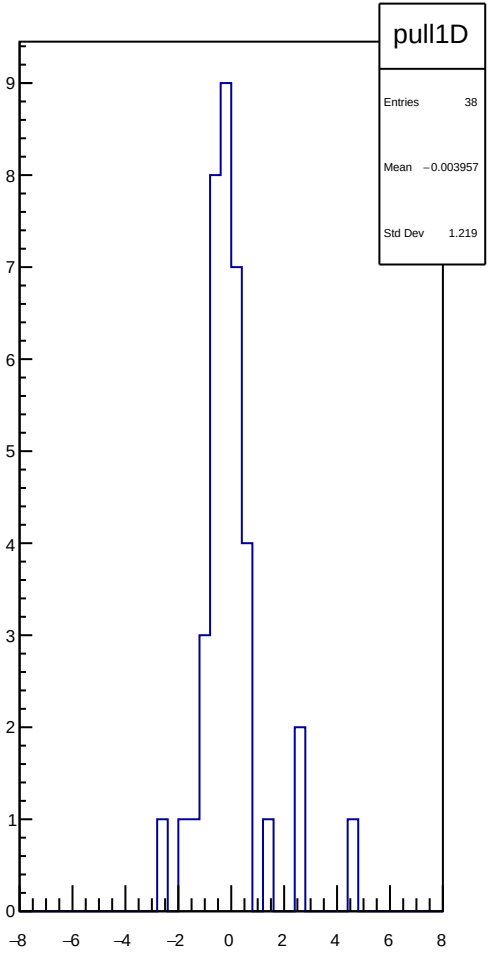

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 5.563 / 37
p0 341.4 ± 19.66
pull
Entries 38
Mean 62.55
Std Dev 40.34

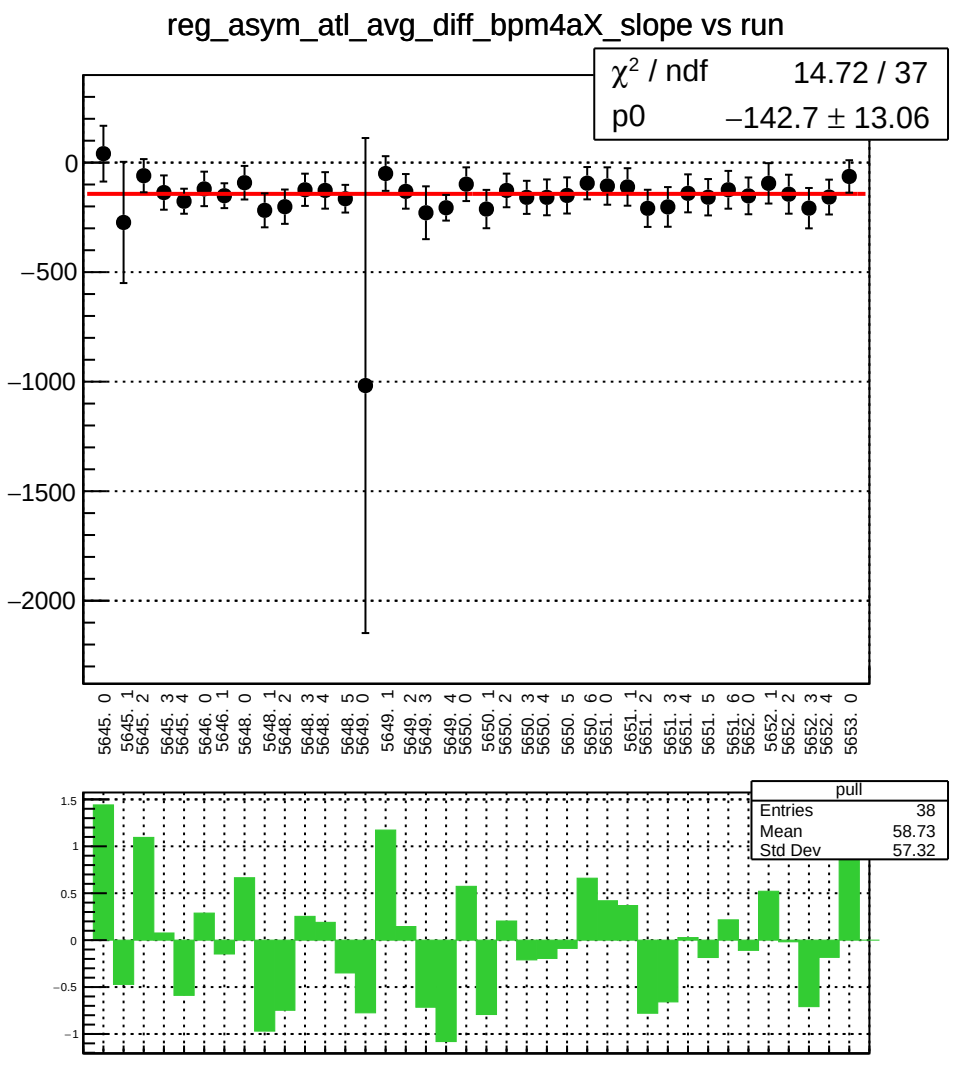

pull1D
Entries 38
Mean −0.02248
Std Dev 0.382

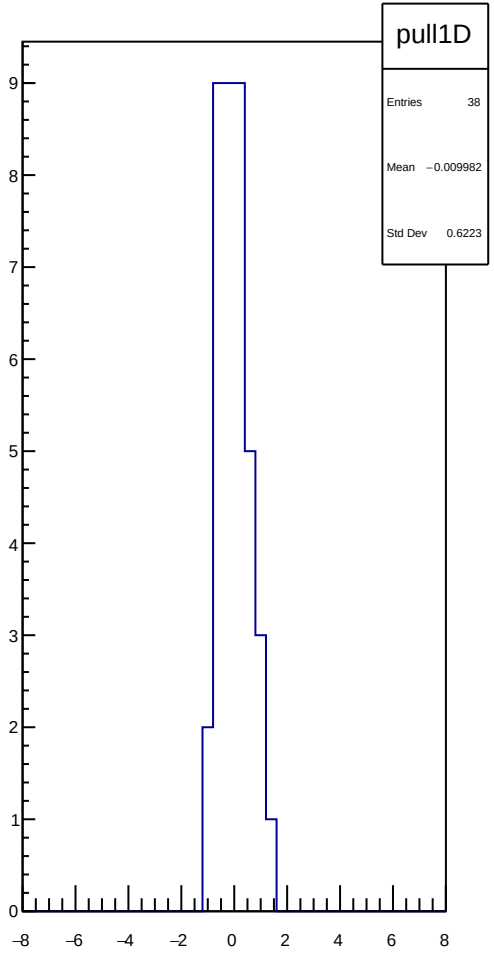

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.824 / 37
p0 89.84 ± 14.75
300
200
100
0
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 18.77
Std Dev 31.28
2
1.5
1
0.5
0
−0.5

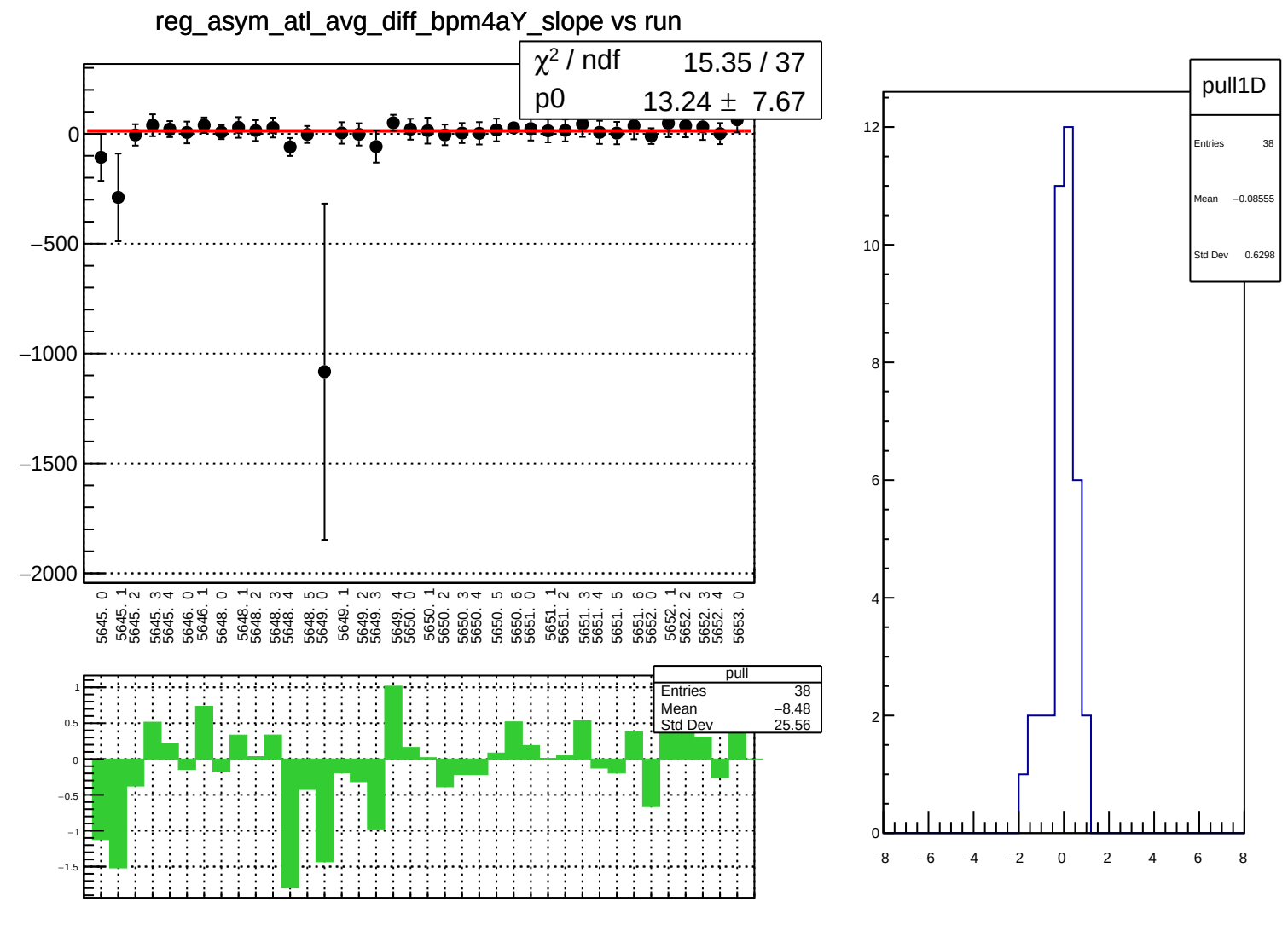

pull1D
Entries 38
Mean −0.01548
Std Dev 0.4235
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

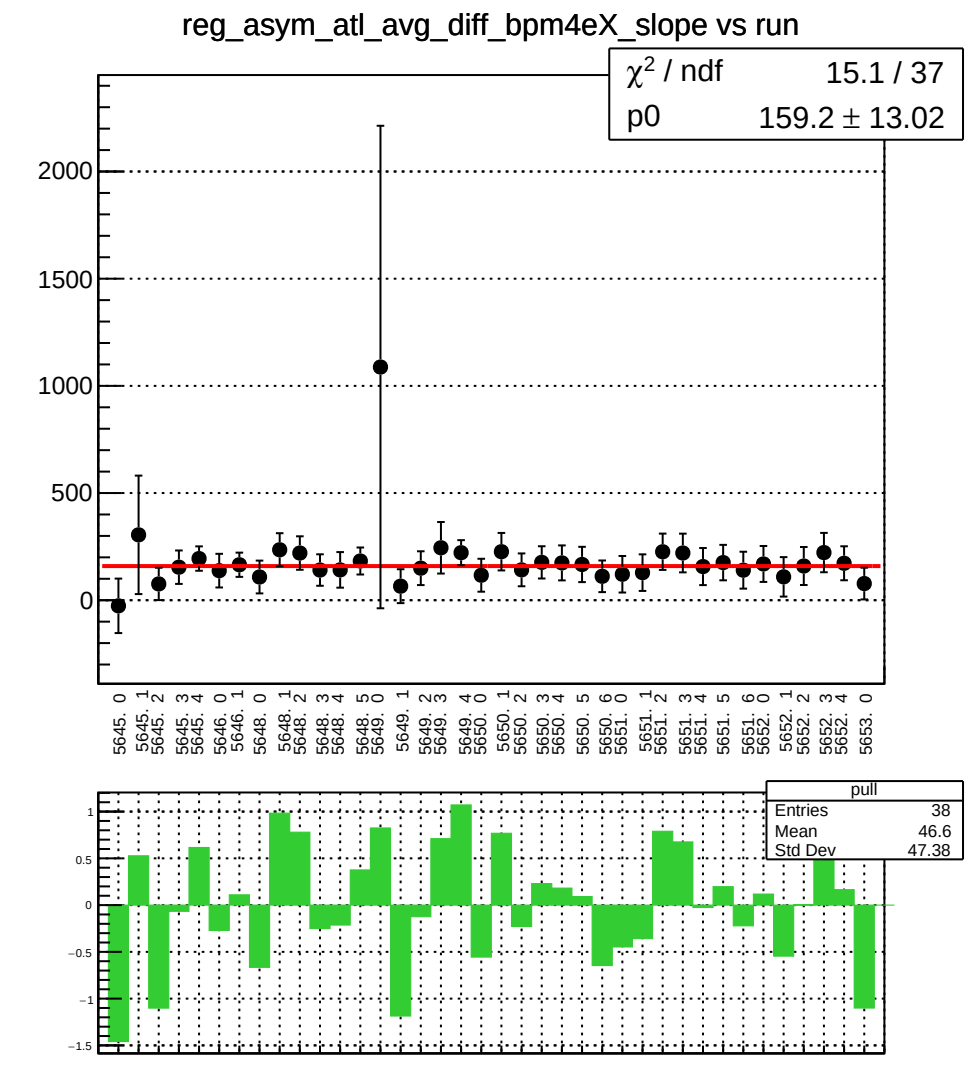

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 56.51 / 37
p0 −192.3 ± 0.4489
−180
−185
−190
−195
−200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −569.5
Std Dev 598.2
5
4
3
2
1
0
−1
−2

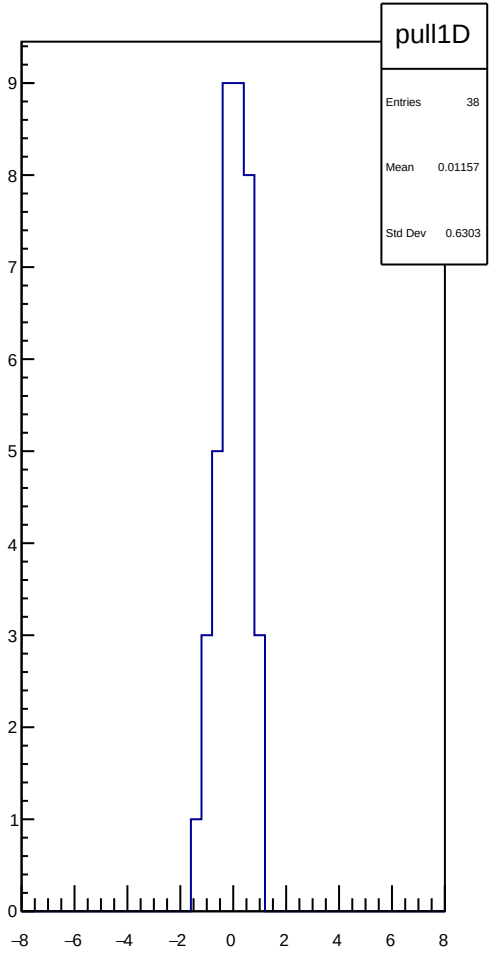

pull1D
Entries 38
Mean −0.003957
Std Dev 1.219
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

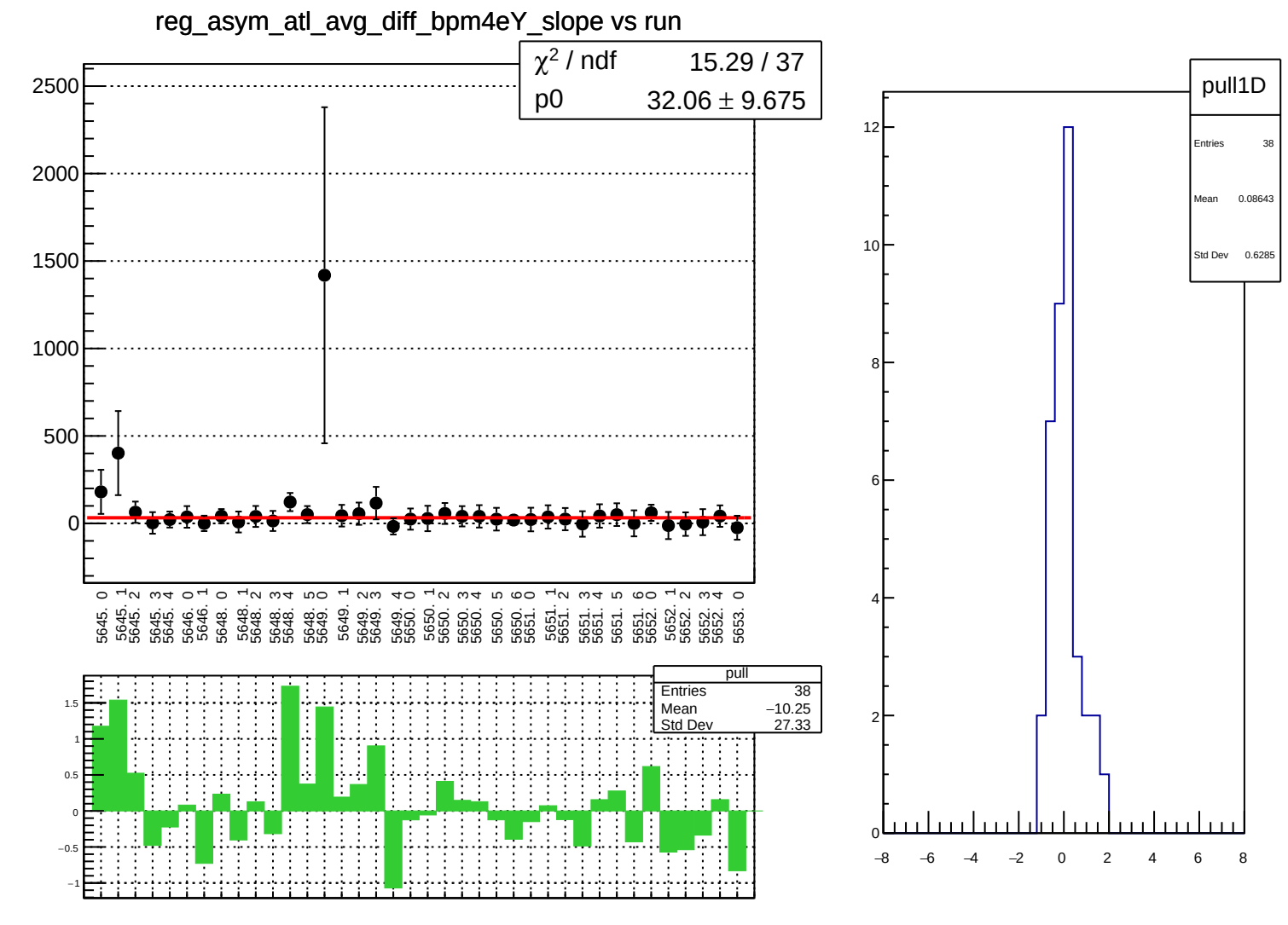

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.72 / 37
p0 −142.7 ± 13.06
0
−500
−1000
−1500
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 58.73
Std Dev 57.32
1.5
1
0.5
0
−0.5
−1

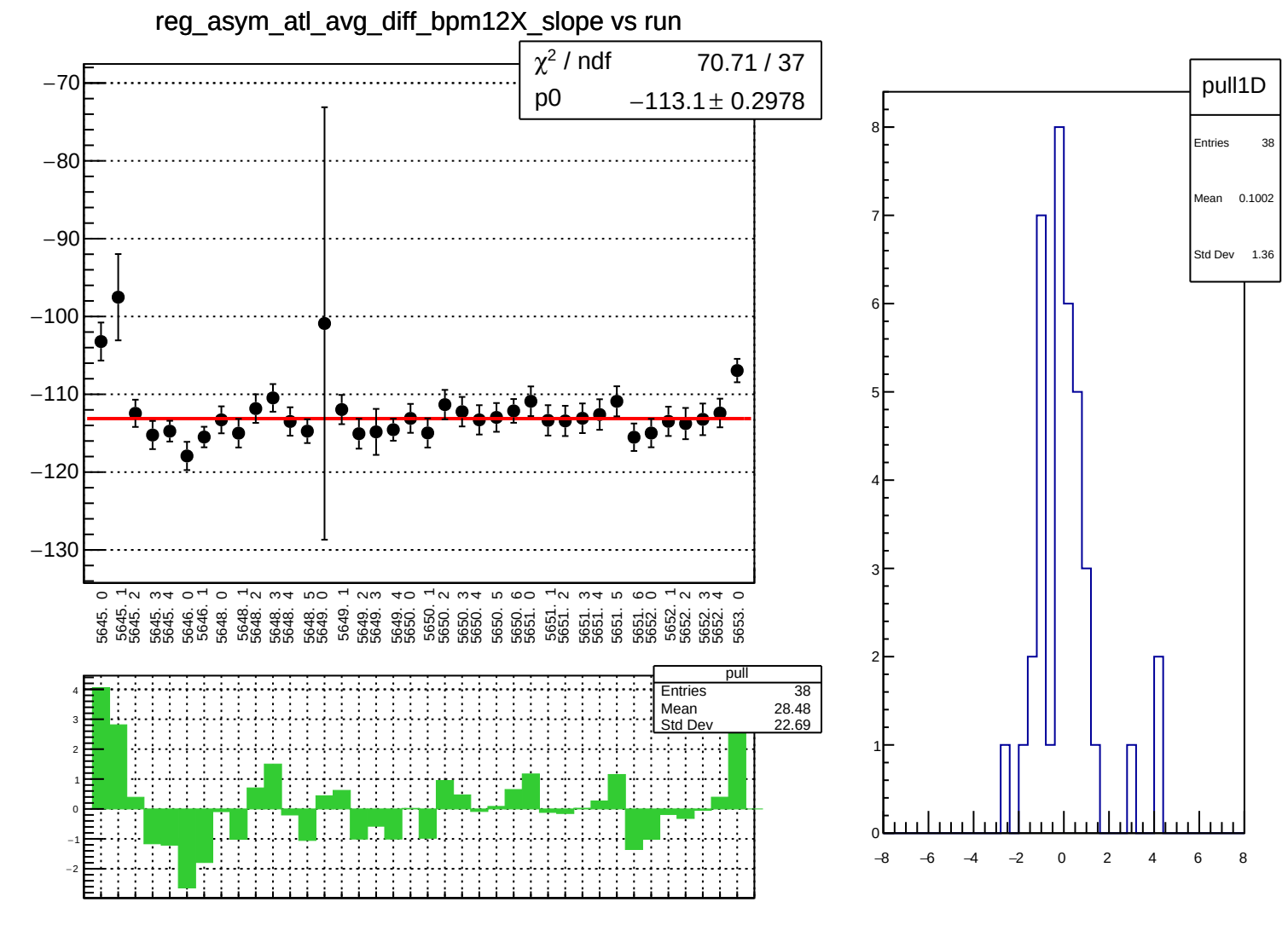

pull1D
Entries 38
Mean −0.009982
Std Dev 0.6223
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

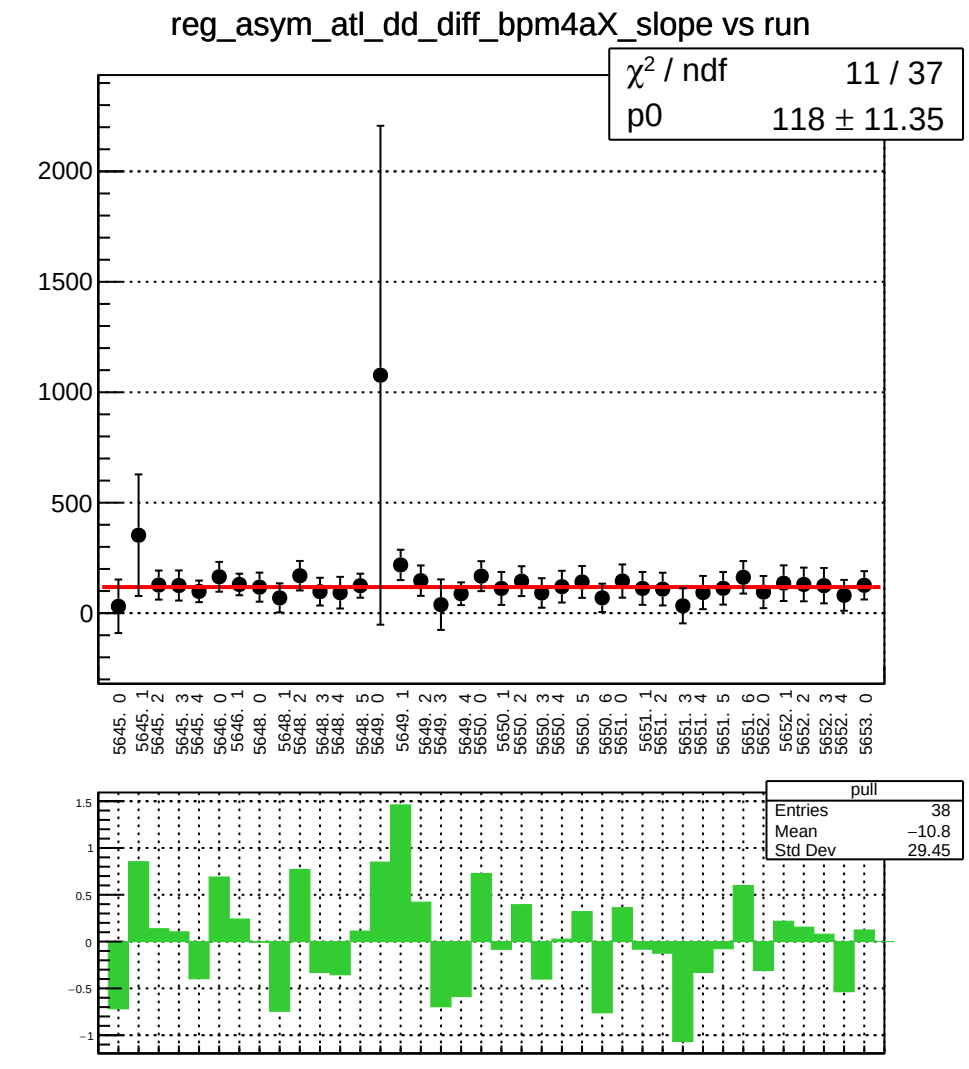

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.35 / 37
p0 13.24 ± 7.67
0
−500
−1000
−1500
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −8.48
Std Dev 25.56
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean −0.08555
Std Dev 0.6298
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

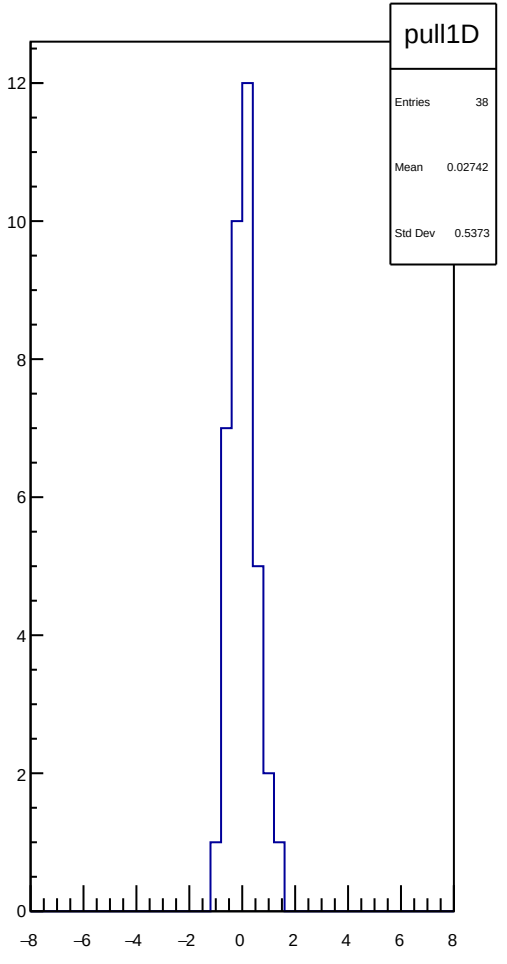

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.1 / 37
p0 159.2 ± 13.02
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 46.6
Std Dev 47.38
1
0.5
0
−0.5
−1
−1.5

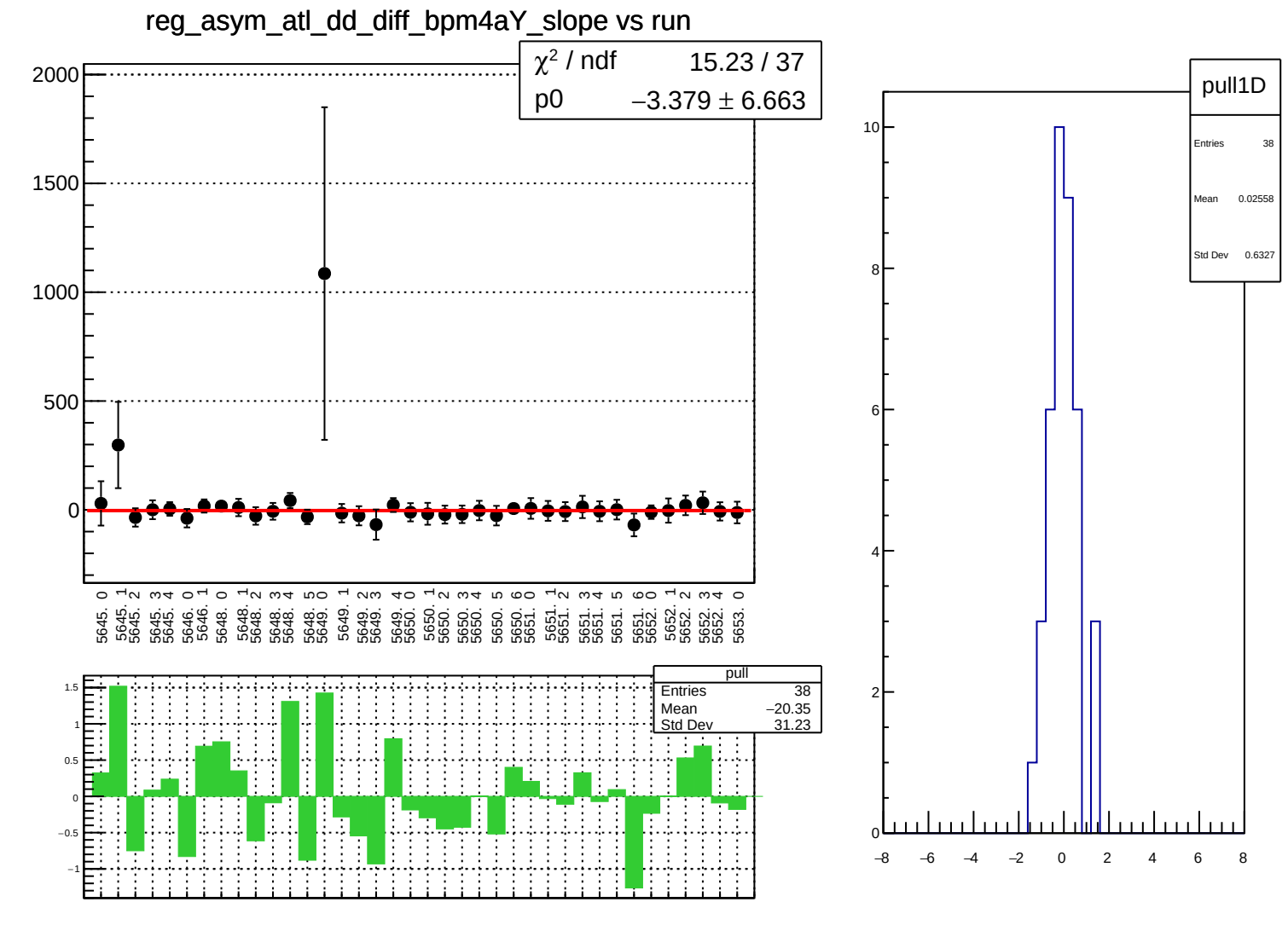

pull1D
Entries 38
Mean 0.01157
Std Dev 0.6303
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

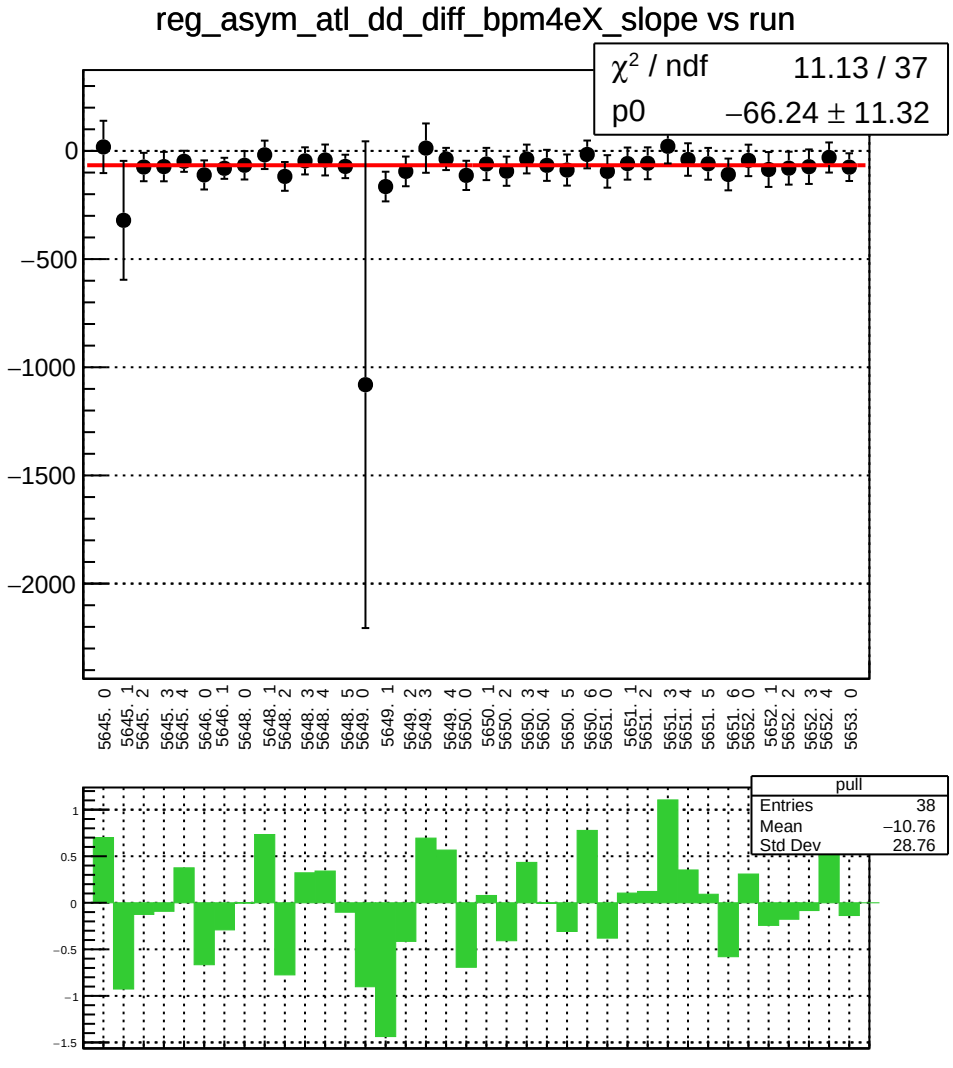

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.29 / 37
p0 32.06 ± 9.675
2500
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −10.25
Std Dev 27.33
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean 0.08643
Std Dev 0.6285
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

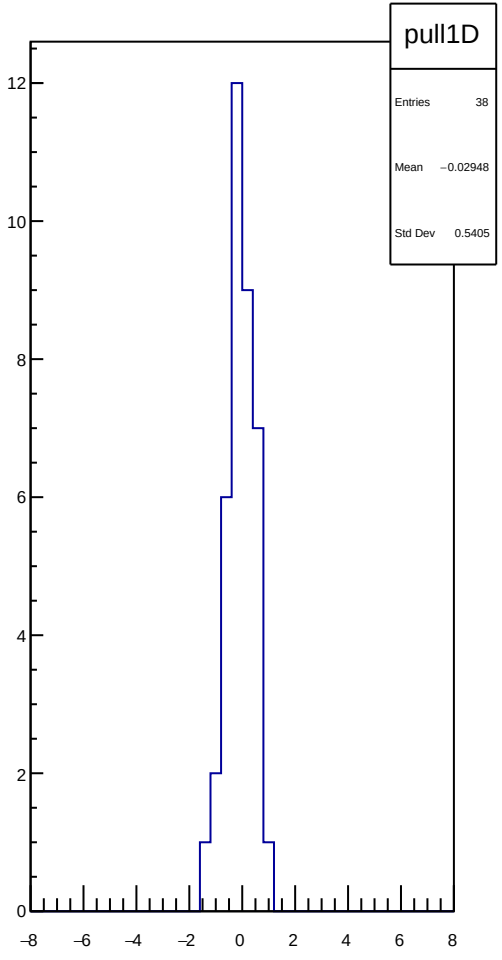

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 70.71 / 37
p0 −113.1 ± 0.2978
pull
Entries 38
Mean 28.48
Std Dev 22.69
pull1D
Entries 38
Mean 0.1002
Std Dev 1.36

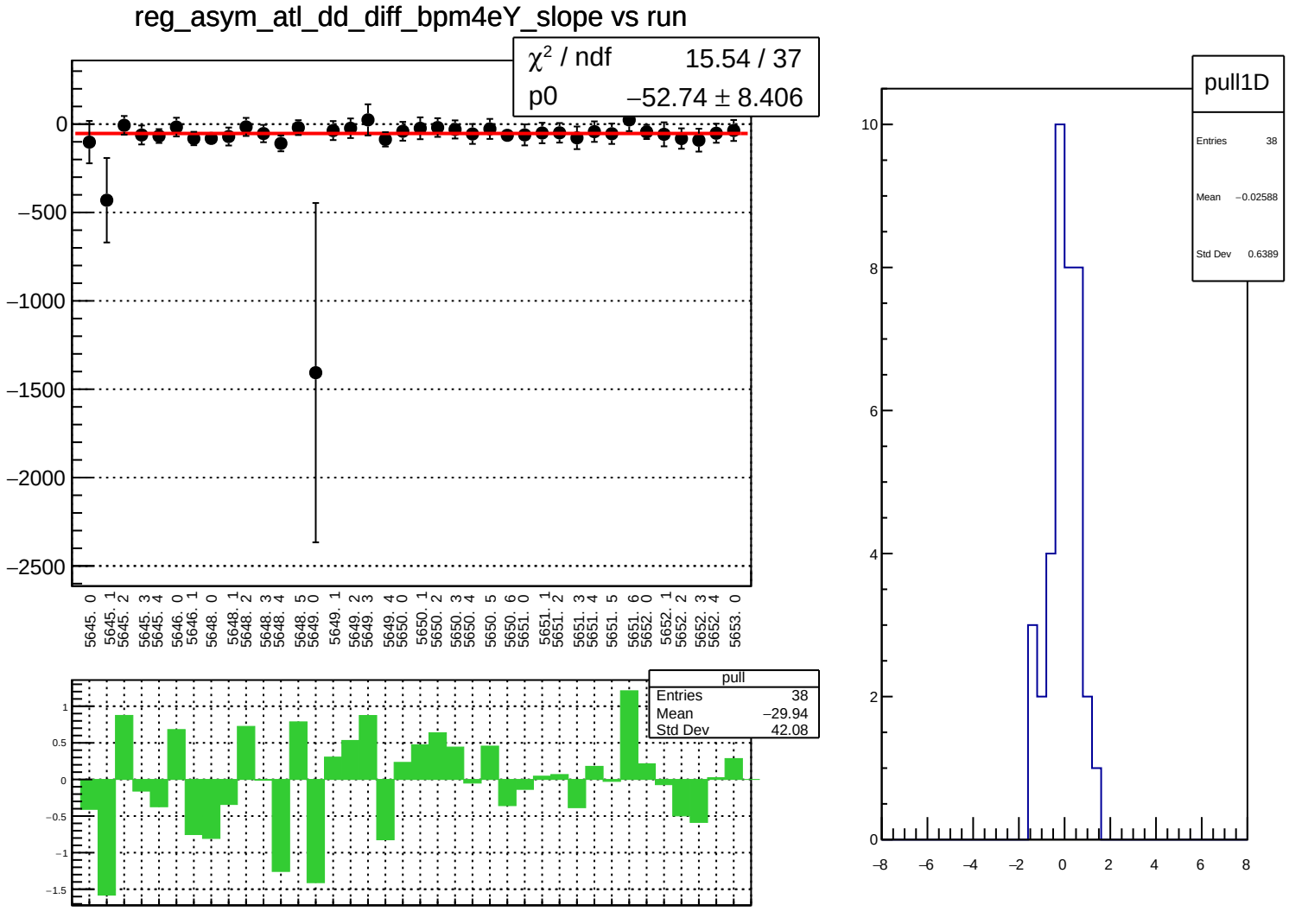

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 11 / 37
p0 118 ± 11.35
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −10.8
Std Dev 29.45
1.5
1
0.5
0
−0.5
−1

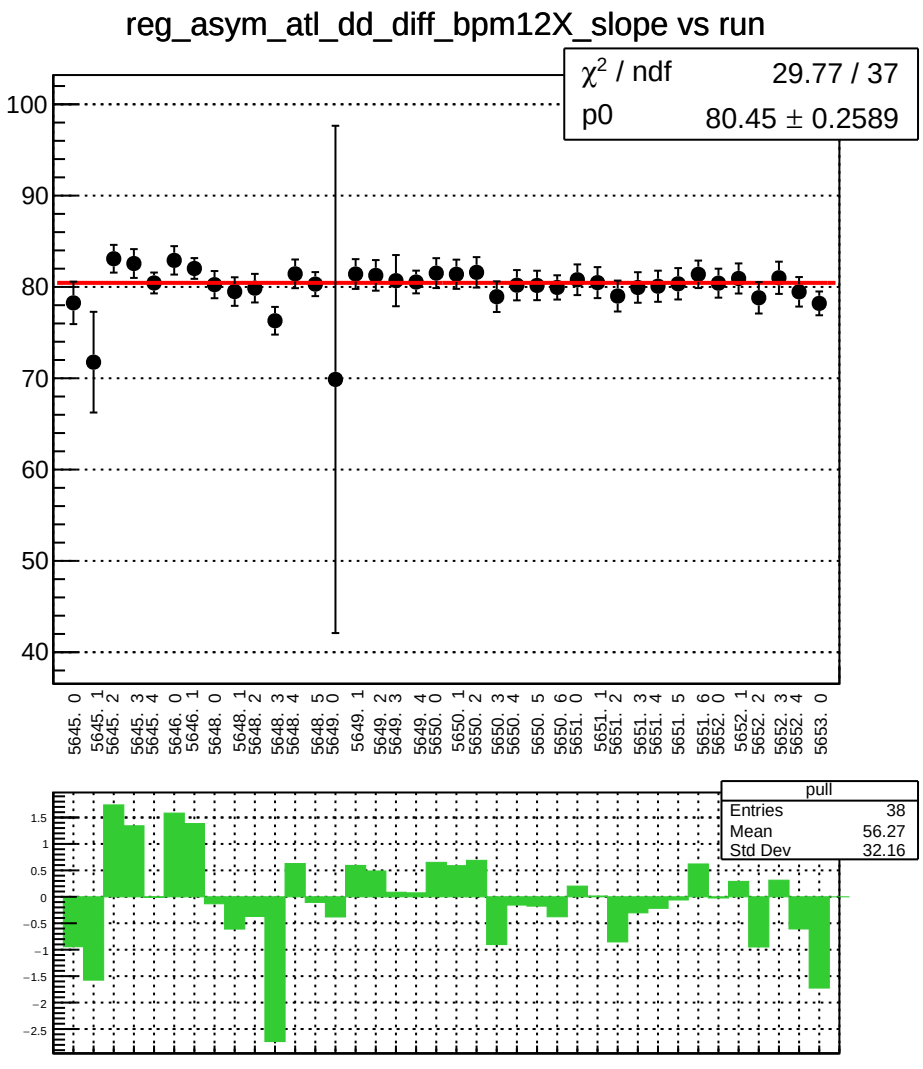

pull1D
Entries 38
Mean 0.02742
Std Dev 0.5373
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

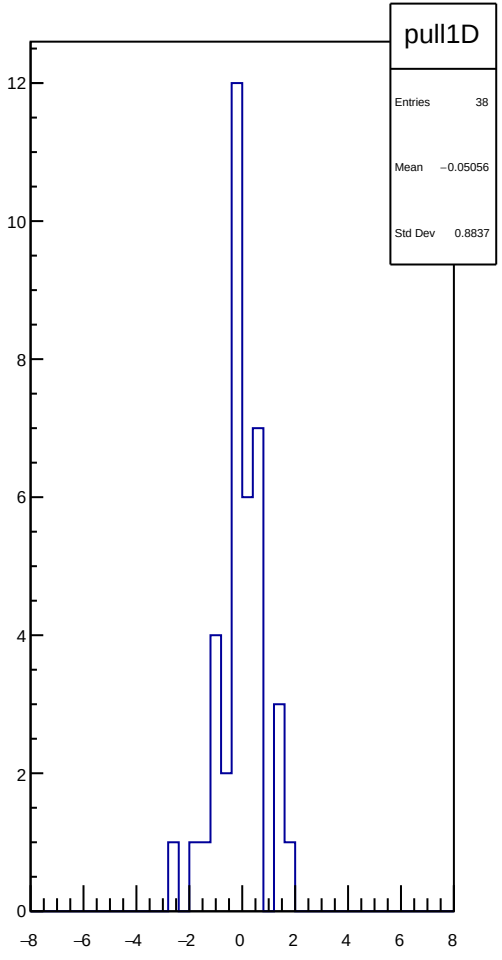

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.23 / 37
p0 −3.379 ± 6.663
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −20.35
Std Dev 31.23
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean 0.02558
Std Dev 0.6327
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

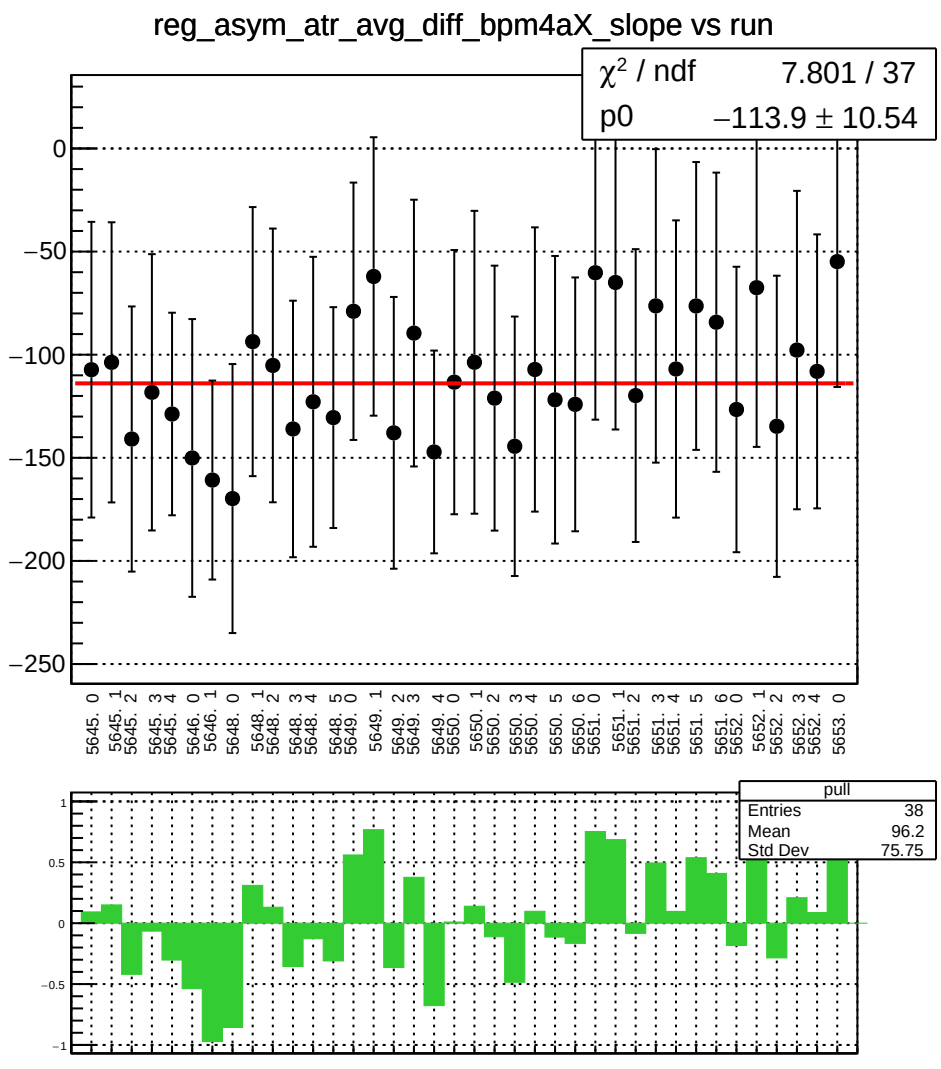

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.13 / 37
p0 −66.24 ± 11.32
0
−500
−1000
−1500
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −10.76
Std Dev 28.76
1
0.5
0
−0.5
−1
−1.5

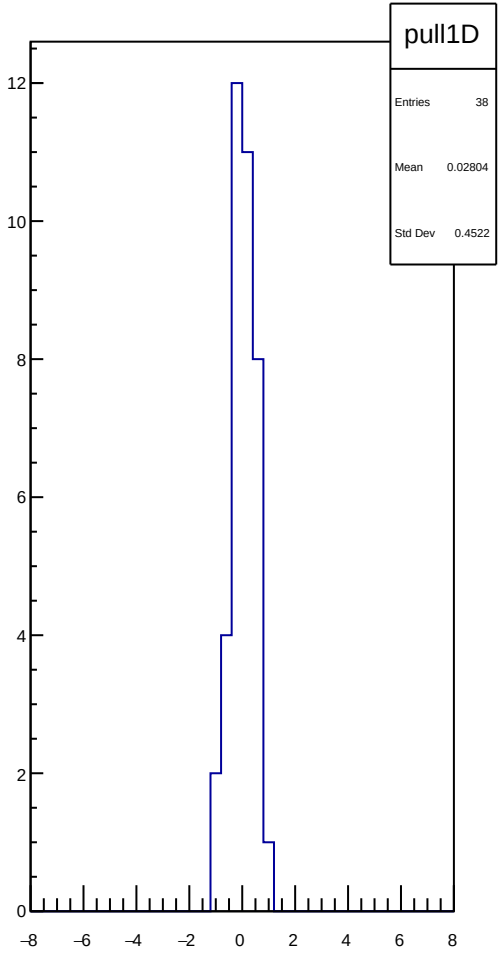

pull1D
Entries 38
Mean −0.02948
Std Dev 0.5405
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

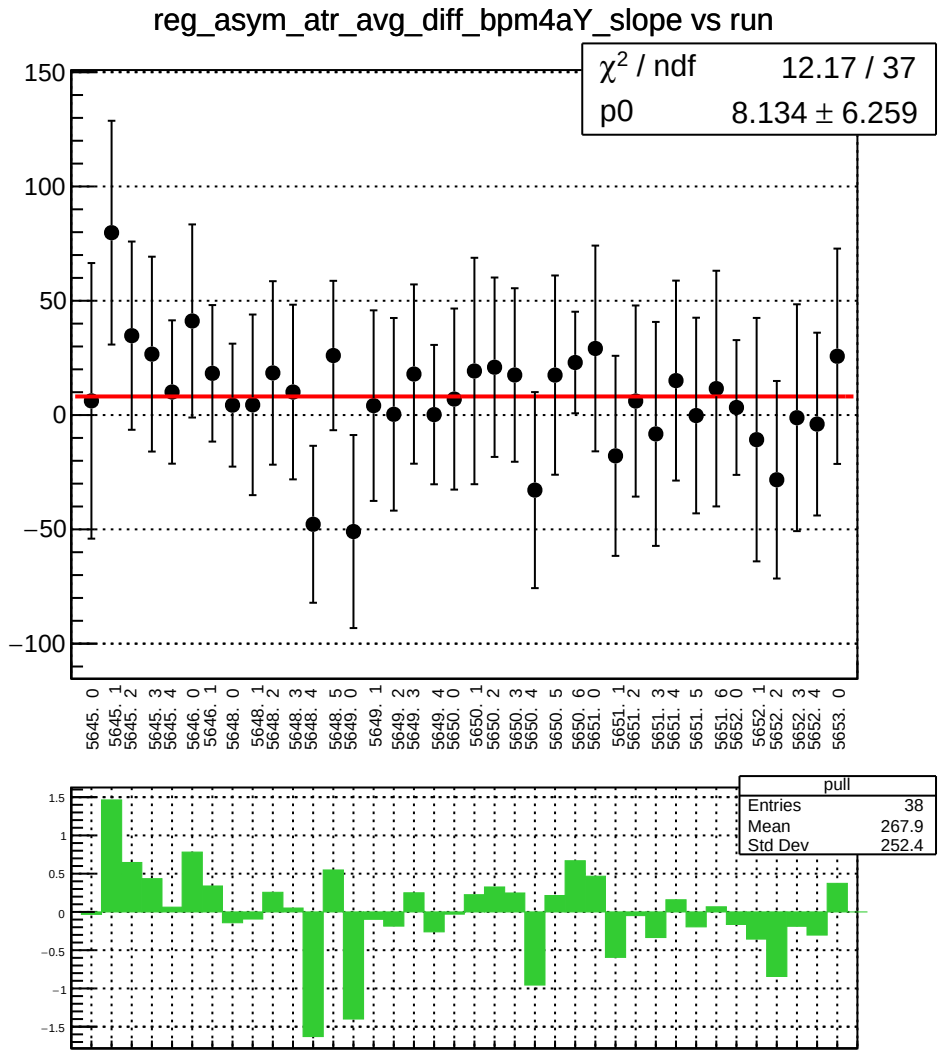

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.54 / 37
p0 −52.74 ± 8.406
0
−500
−1000
−1500
−2000
−2500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −29.94
Std Dev 42.08
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean −0.02588
Std Dev 0.6389
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

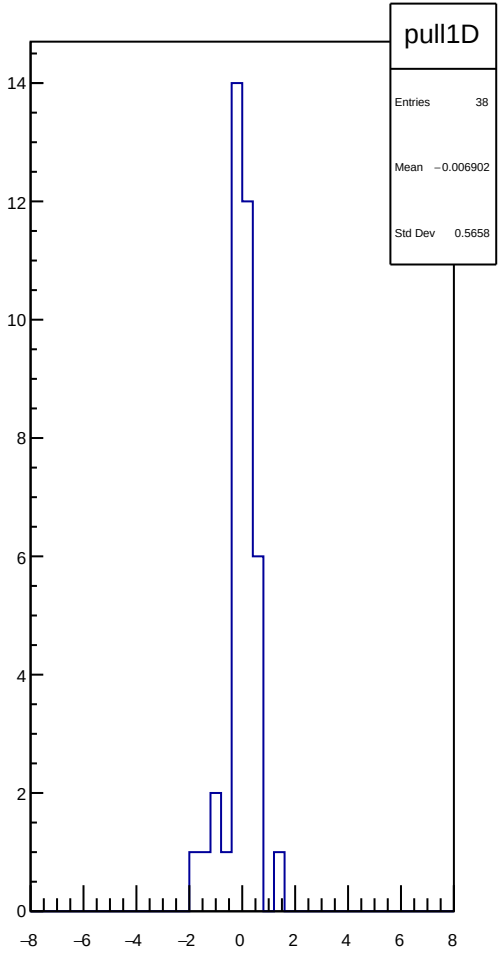

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 29.77 / 37
p0 80.45 ± 0.2589
pull
Entries 38
Mean 56.27
Std Dev 32.16

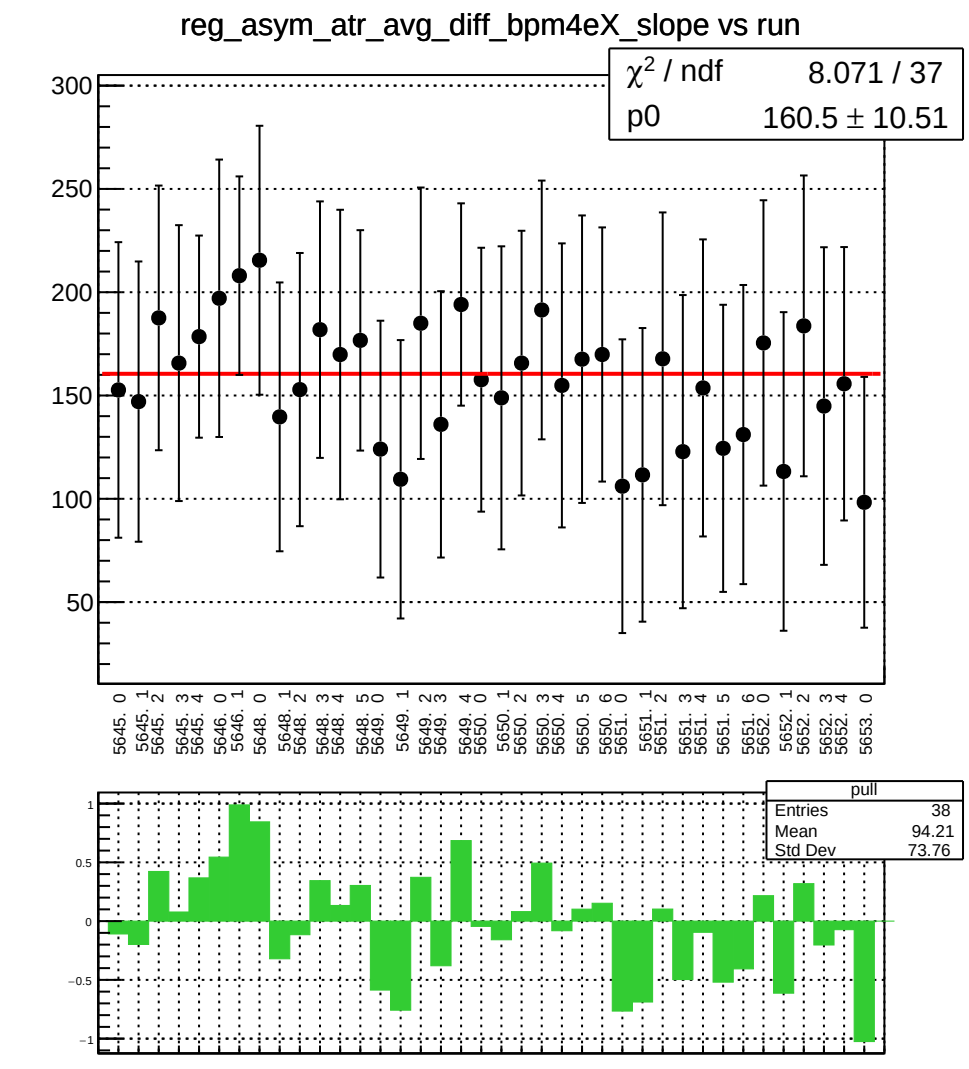

pull1D
Entries 38
Mean −0.05056
Std Dev 0.8837

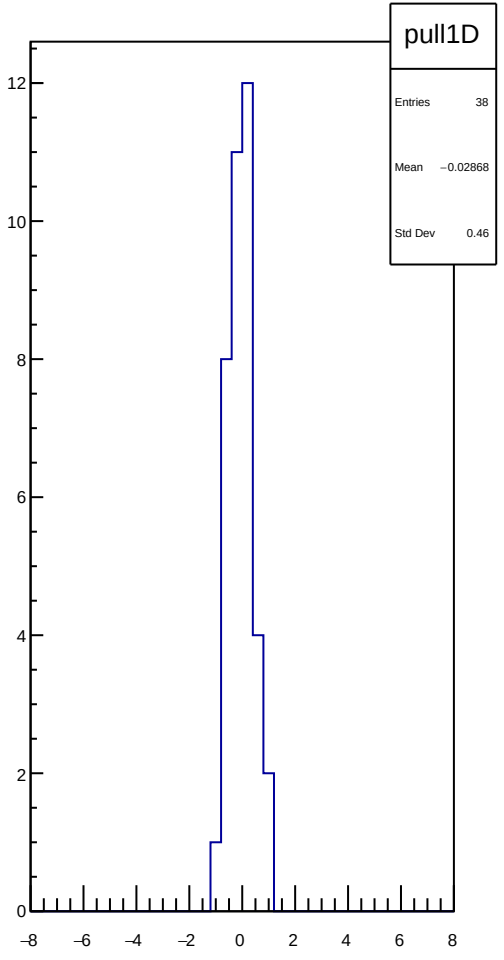

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.801 / 37
p0 −113.9 ± 10.54
0
−50
−100
−150
−200
−250
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 96.2
Std Dev 75.75
1
0.5
0
−0.5
−1

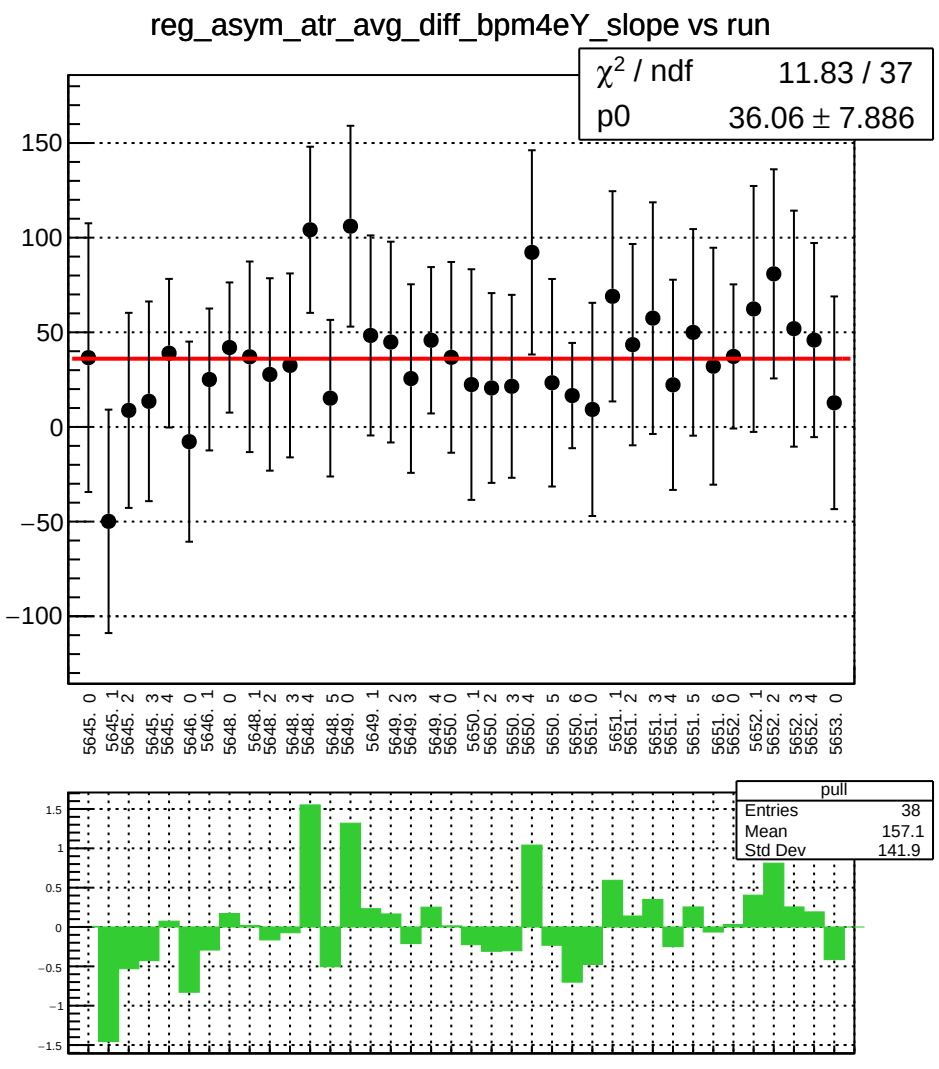

pull1D
Entries 38
Mean 0.02804
Std Dev 0.4522
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

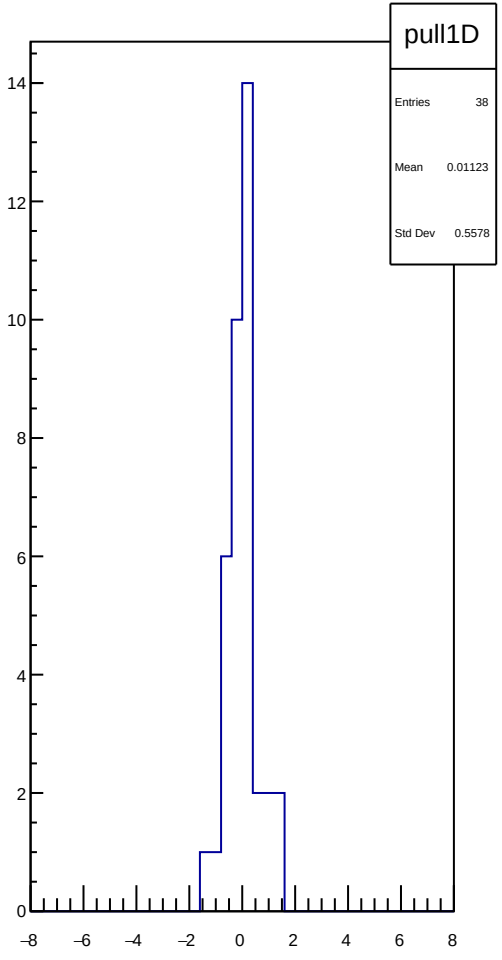

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.17 / 37
p0 8.134 ± 6.259
150
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 267.9
Std Dev 252.4
1.5
1
0.5
0
−0.5
−1
−1.5

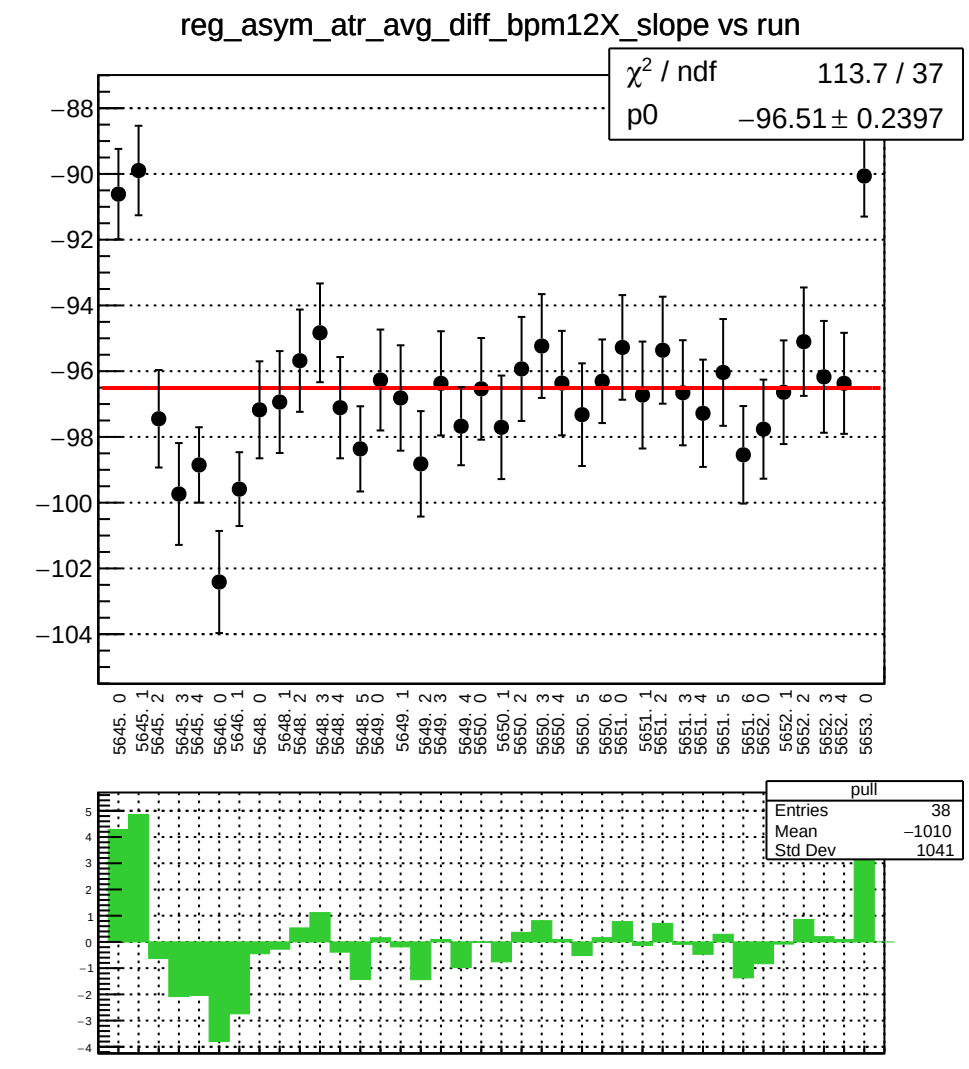

pull1D
Entries 38
Mean −0.006902
Std Dev 0.5658
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

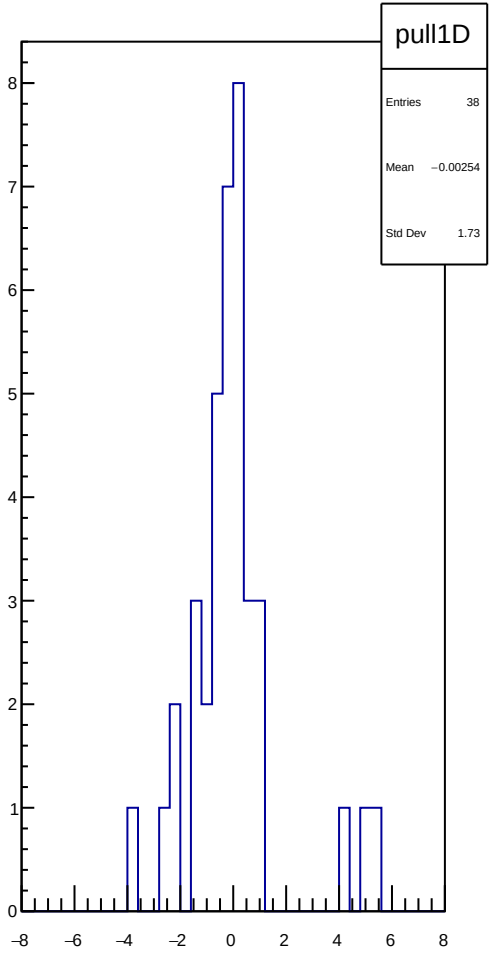

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.071 / 37
p0 160.5 ± 10.51
pull
Entries 38
Mean 94.21
Std Dev 73.76

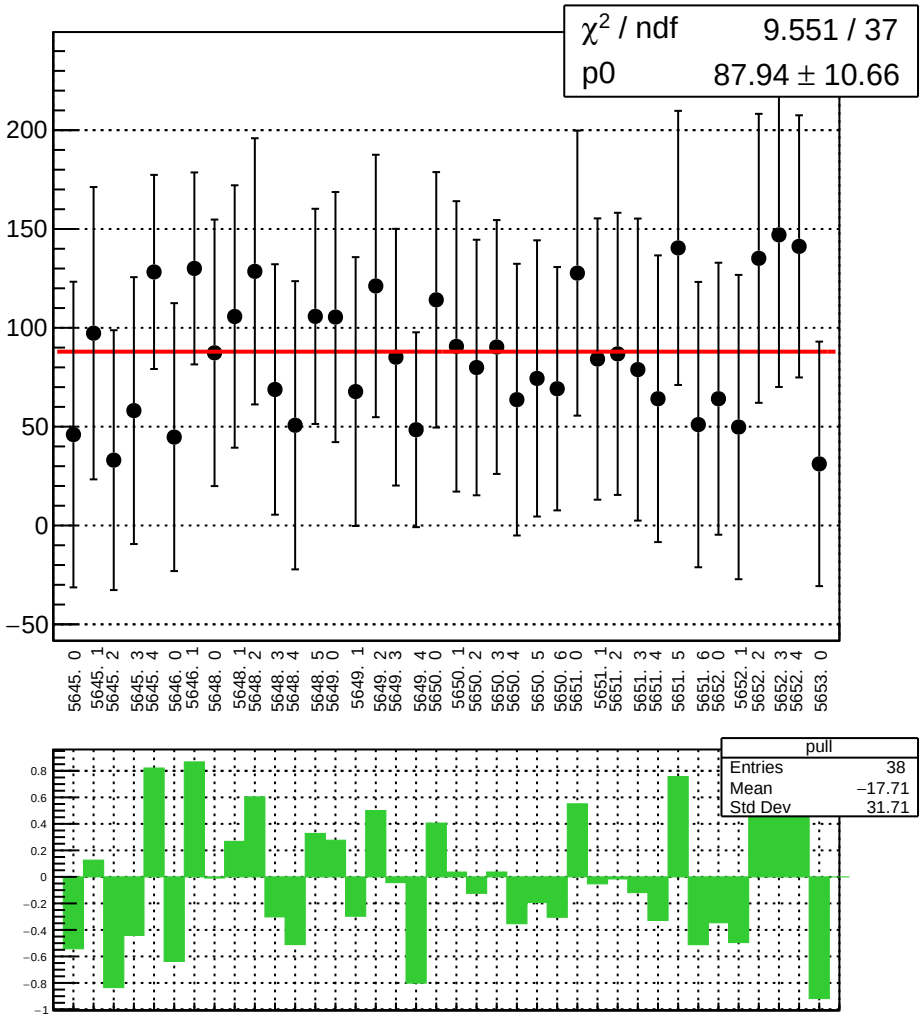

pull1D
Entries 38
Mean −0.02868
Std Dev 0.46

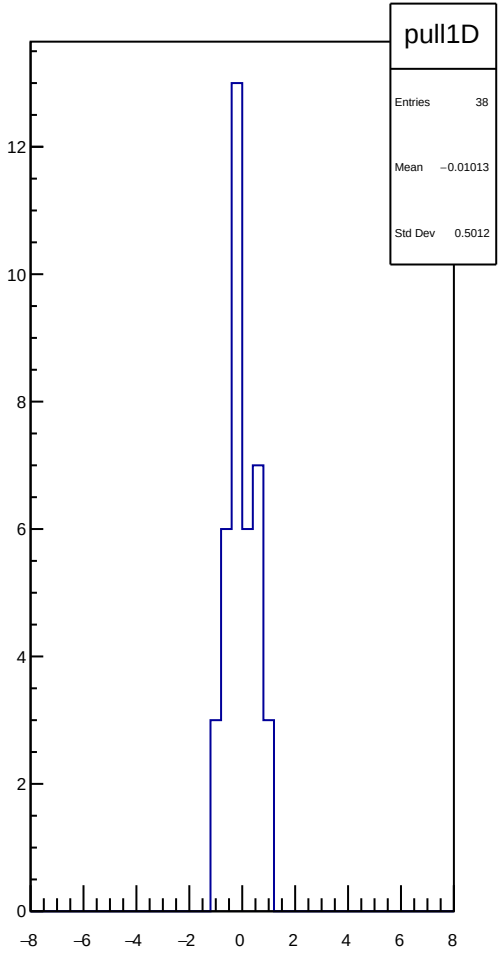

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.83 / 37
p0 36.06 ± 7.886
150
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 157.1
Std Dev 141.9
1.5
1
0.5
0
−0.5
−1
−1.5

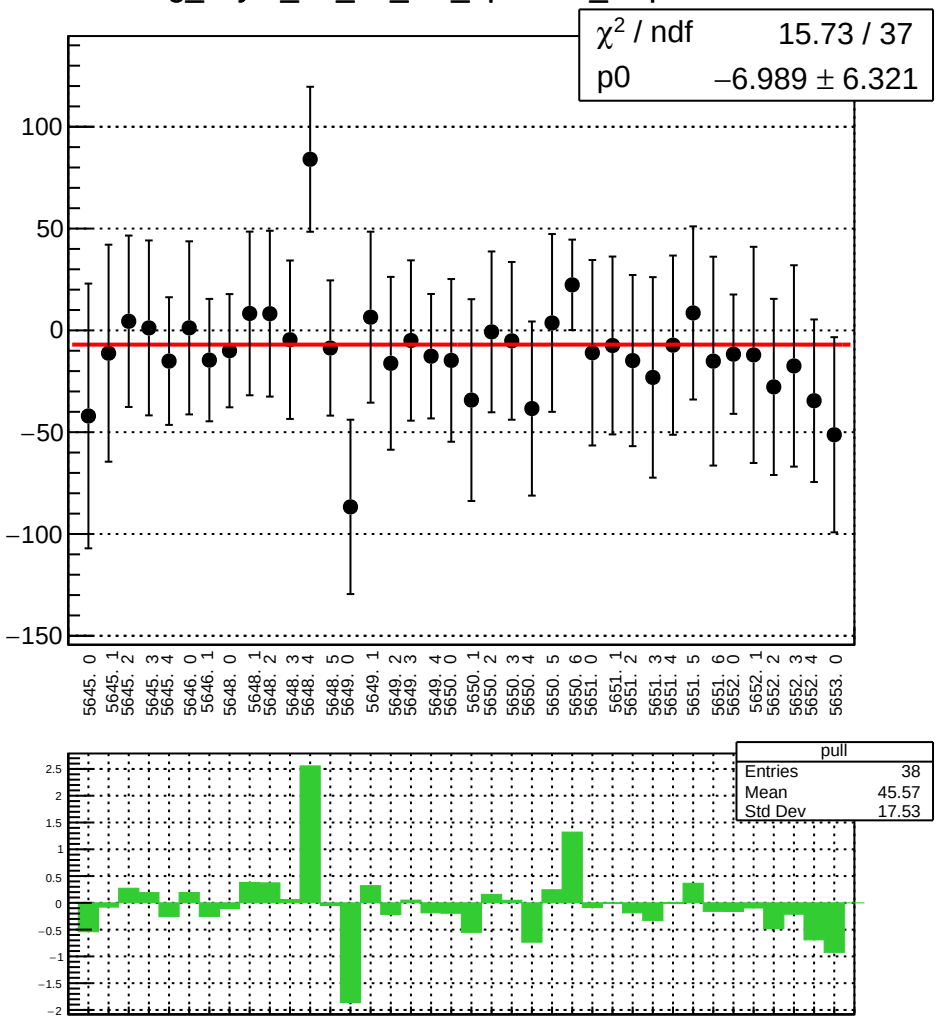

pull1D
Entries 38
Mean 0.01123
Std Dev 0.5578
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

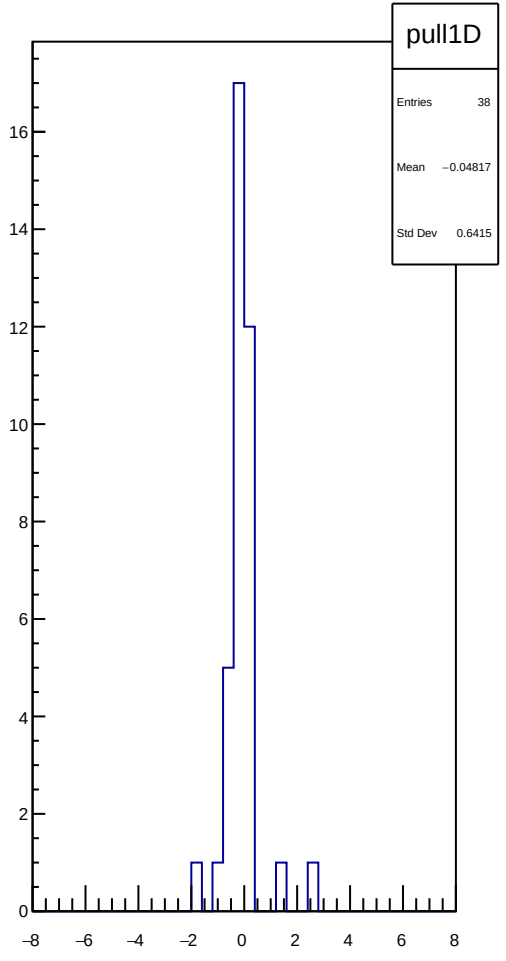

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 113.7 / 37
p0 −96.51 ± 0.2397
pull
Entries 38
Mean −1010
Std Dev 1041

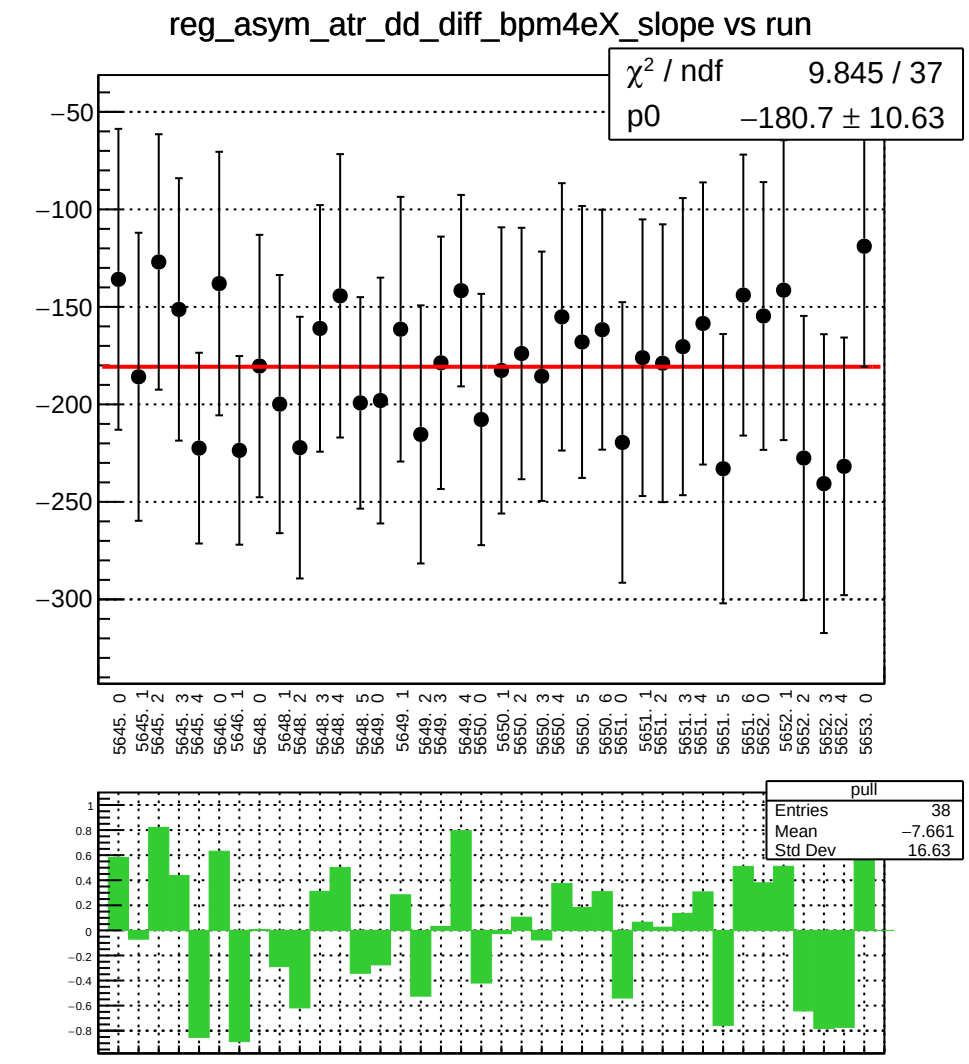

pull1D
Entries 38
Mean −0.00254
Std Dev 1.73

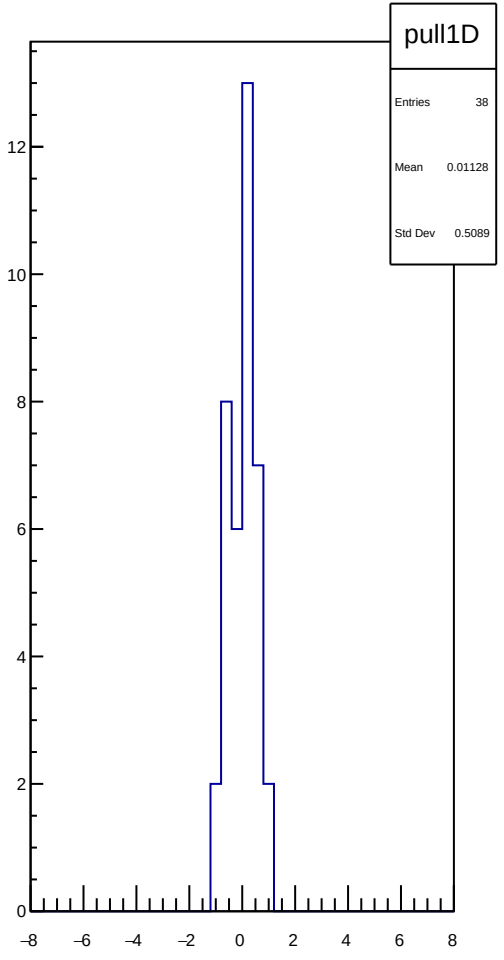

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.551 / 37
p0 87.94 ± 10.66
200
150
100
50
0
−50
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −17.71
Std Dev 31.71
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

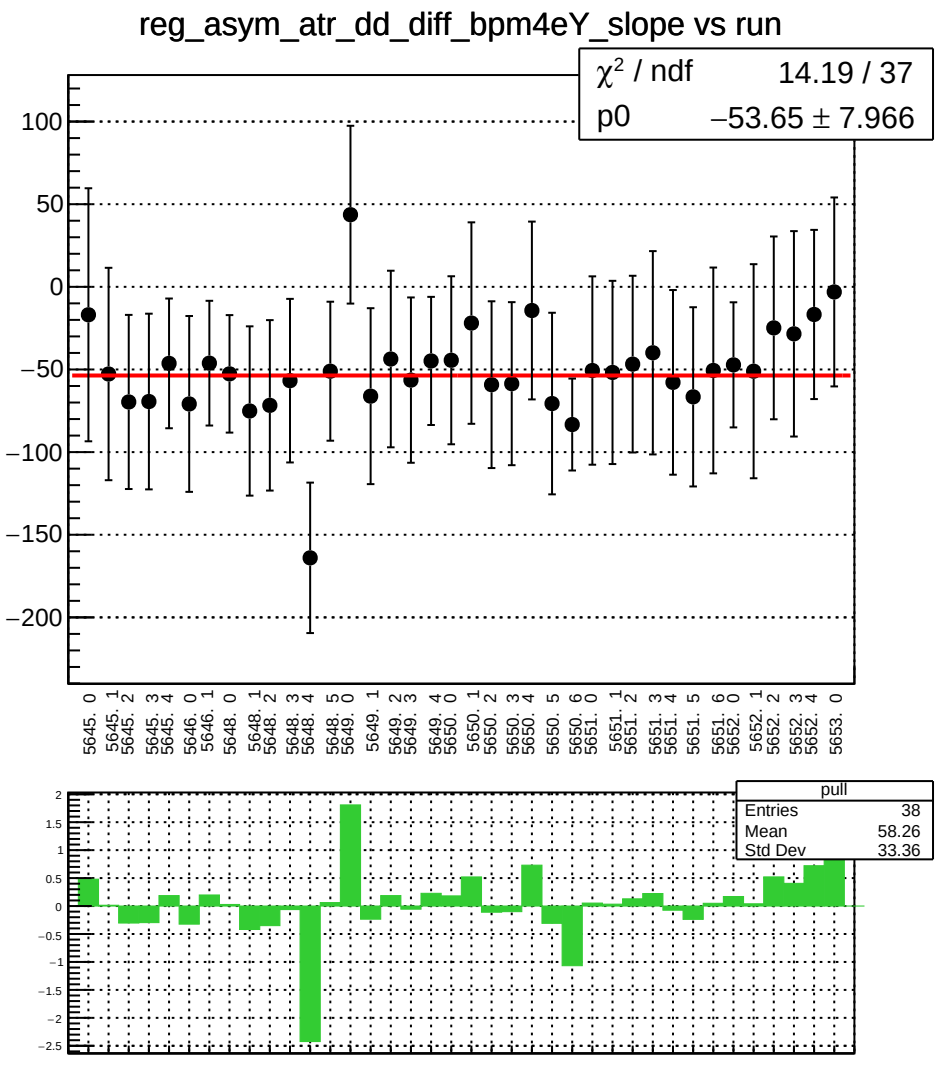

pull1D
Entries 38
Mean −0.01013
Std Dev 0.5012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

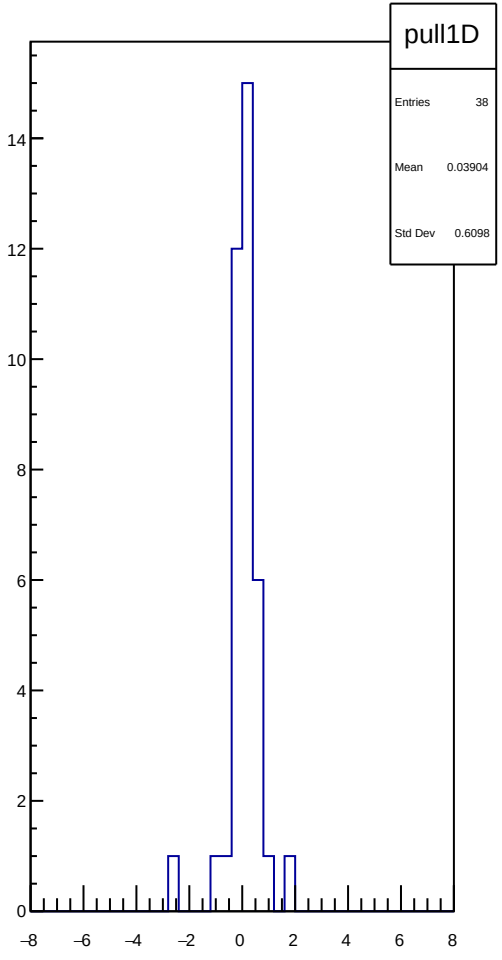

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.73 / 37
p0 −6.989 ± 6.321
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 45.57
Std Dev 17.53
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

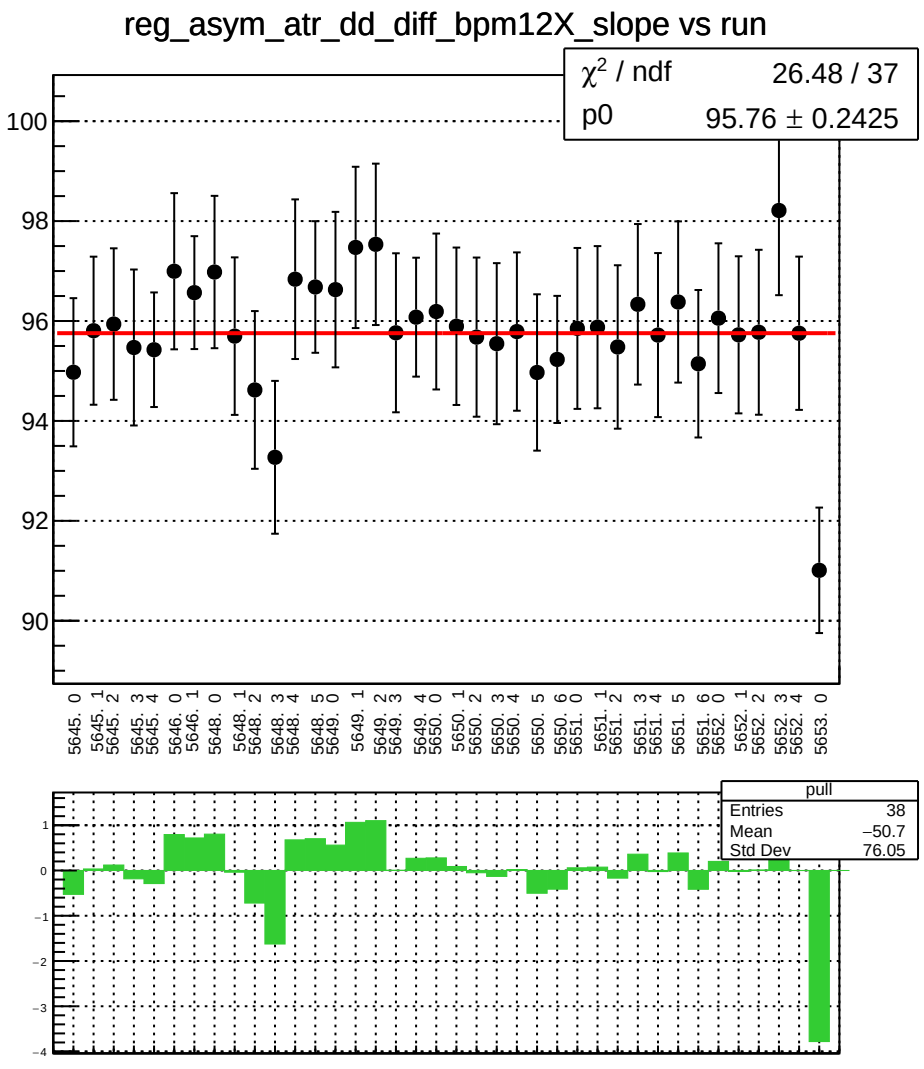

pull1D
Entries 38
Mean −0.04817
Std Dev 0.6415
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

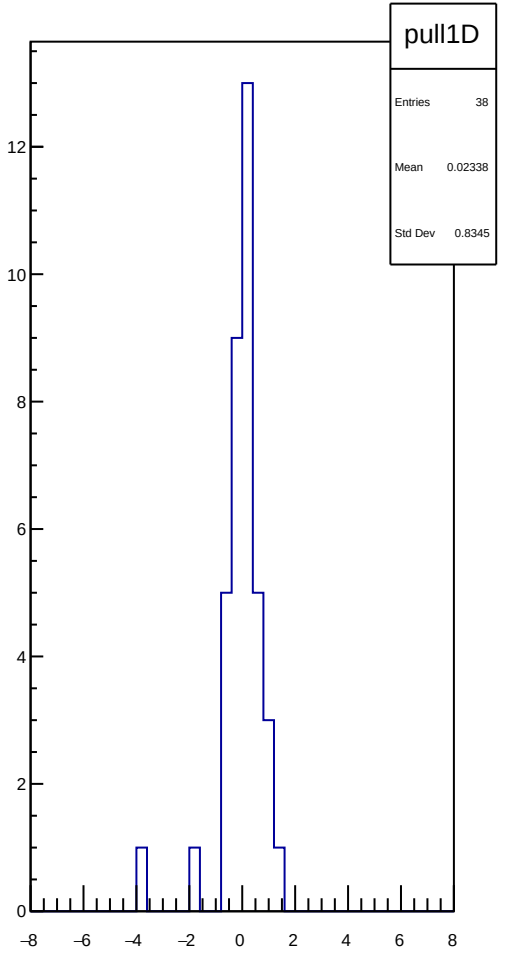

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.845 / 37
p0 −180.7 ± 10.63
pull
Entries 38
Mean −7.661
Std Dev 16.63

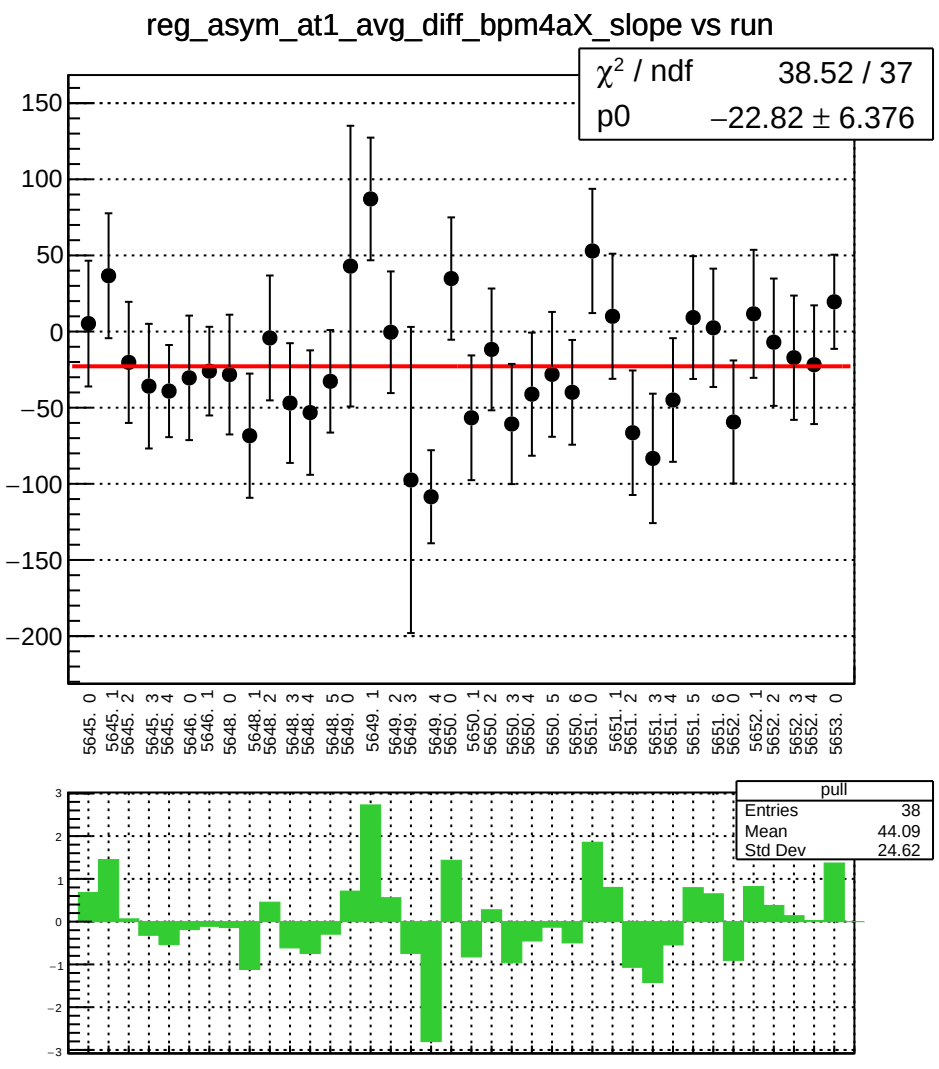

pull1D
Entries 38
Mean 0.01128
Std Dev 0.5089

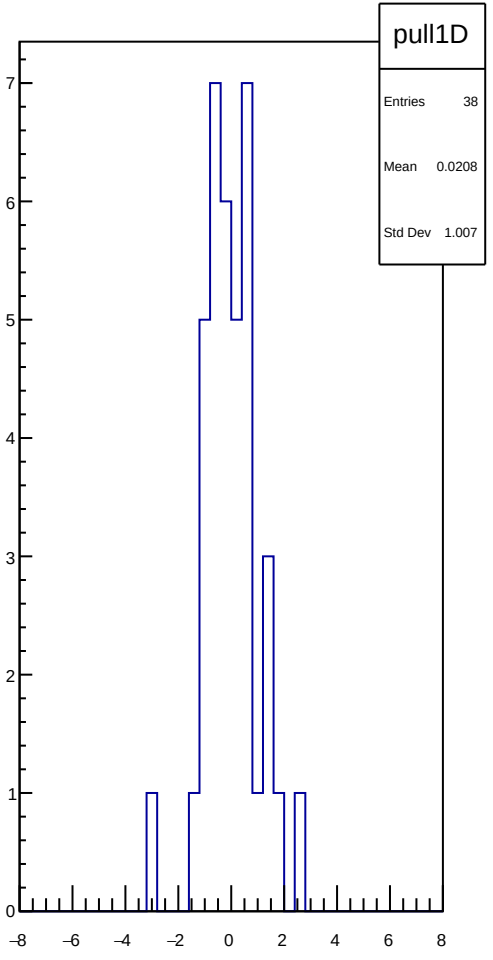

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.19 / 37
p0 −53.65 ± 7.966
100
50
0
−50
−100
−150
−200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 58.26
Std Dev 33.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

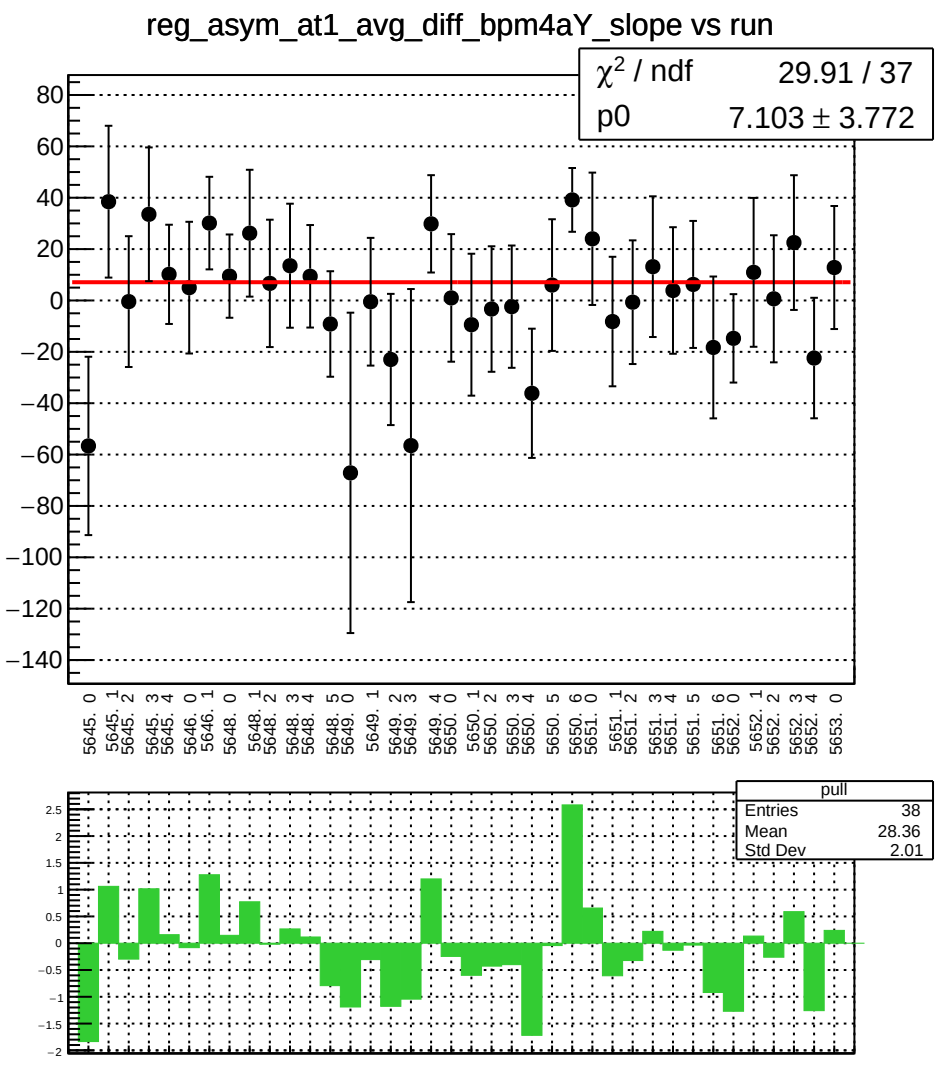

pull1D
Entries 38
Mean 0.03904
Std Dev 0.6098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

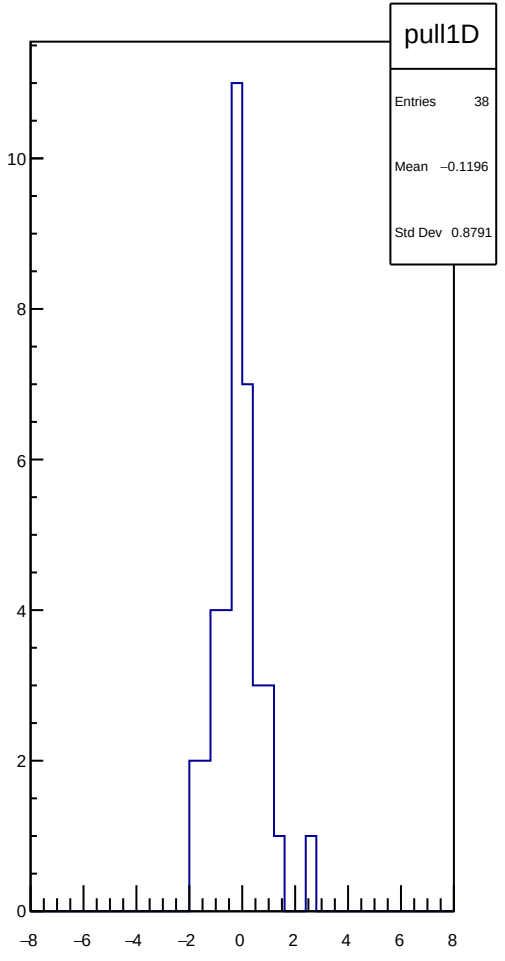

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 26.48 / 37
p0 95.76 ± 0.2425
100
98
96
94
92
90
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −50.7
Std Dev 76.05
1
0
−1
−2
−3
−4

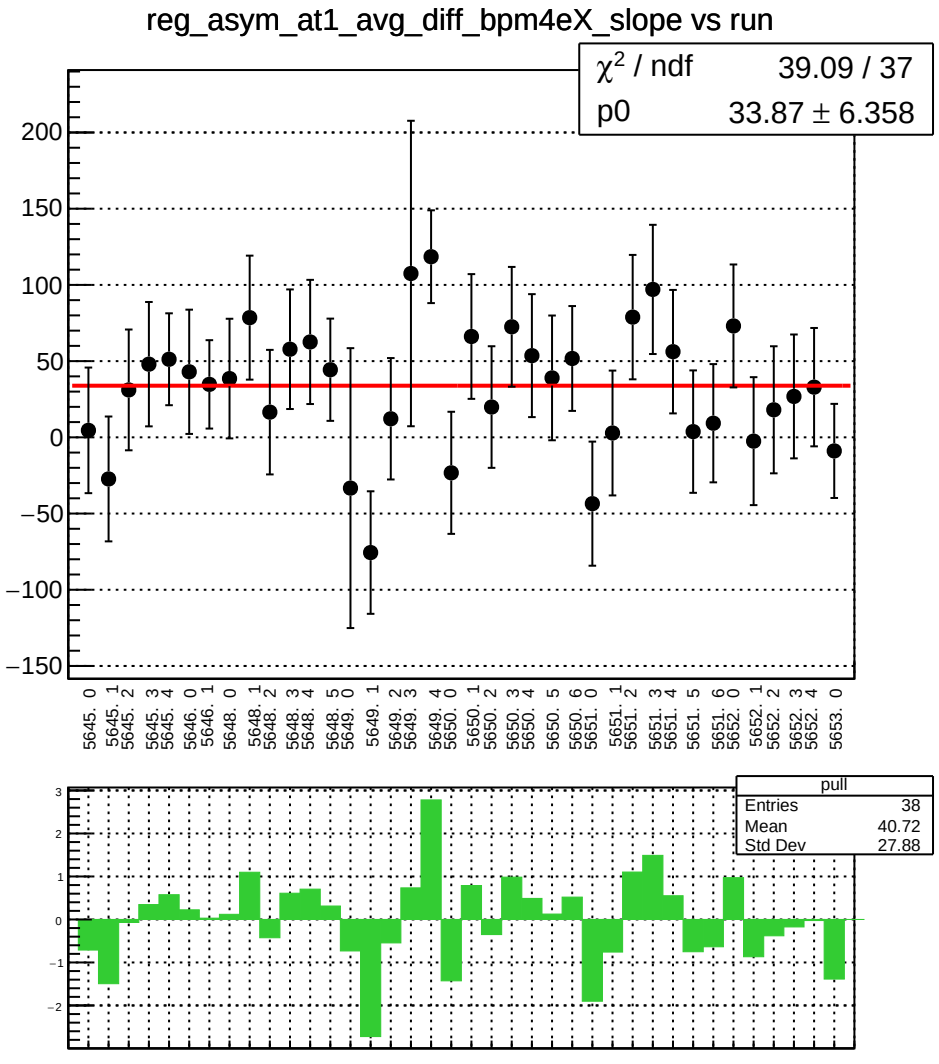

pull1D
Entries 38
Mean 0.02338
Std Dev 0.8345
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

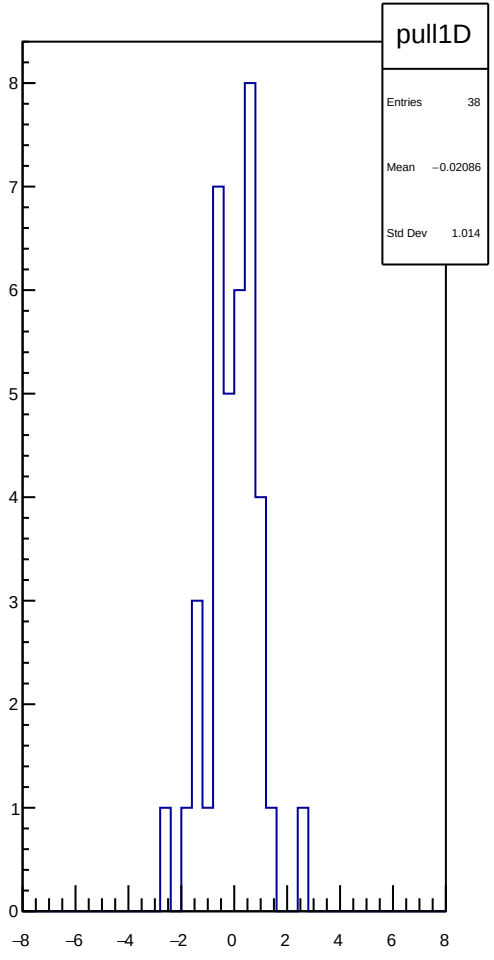

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 38.52 / 37
p0 −22.82 ± 6.376
150
100
50
0
−50
−100
−150
−200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 44.09
Std Dev 24.62
3
2
1
0
−1
−2
−3

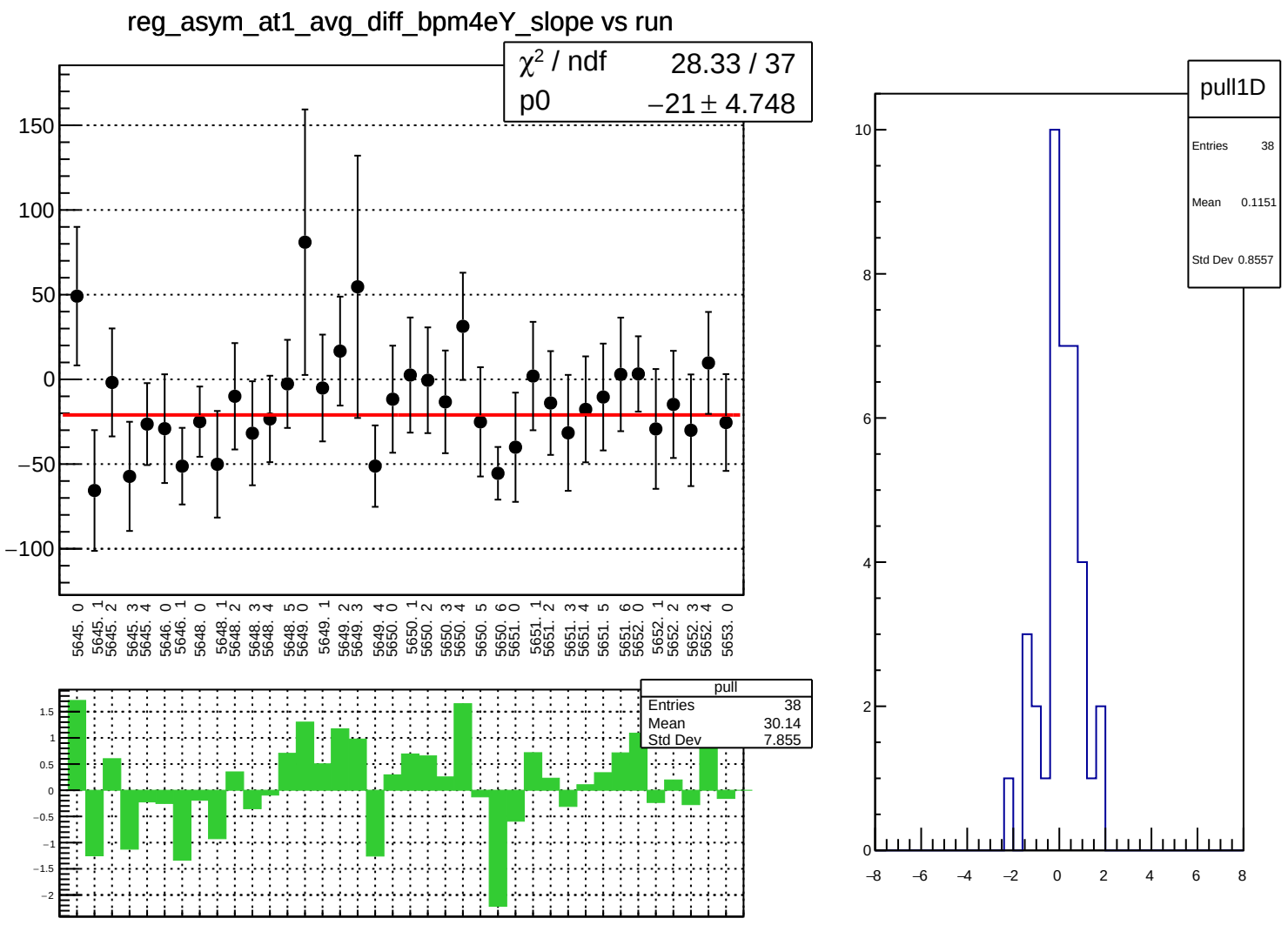

pull1D
Entries 38
Mean 0.0208
Std Dev 1.007
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

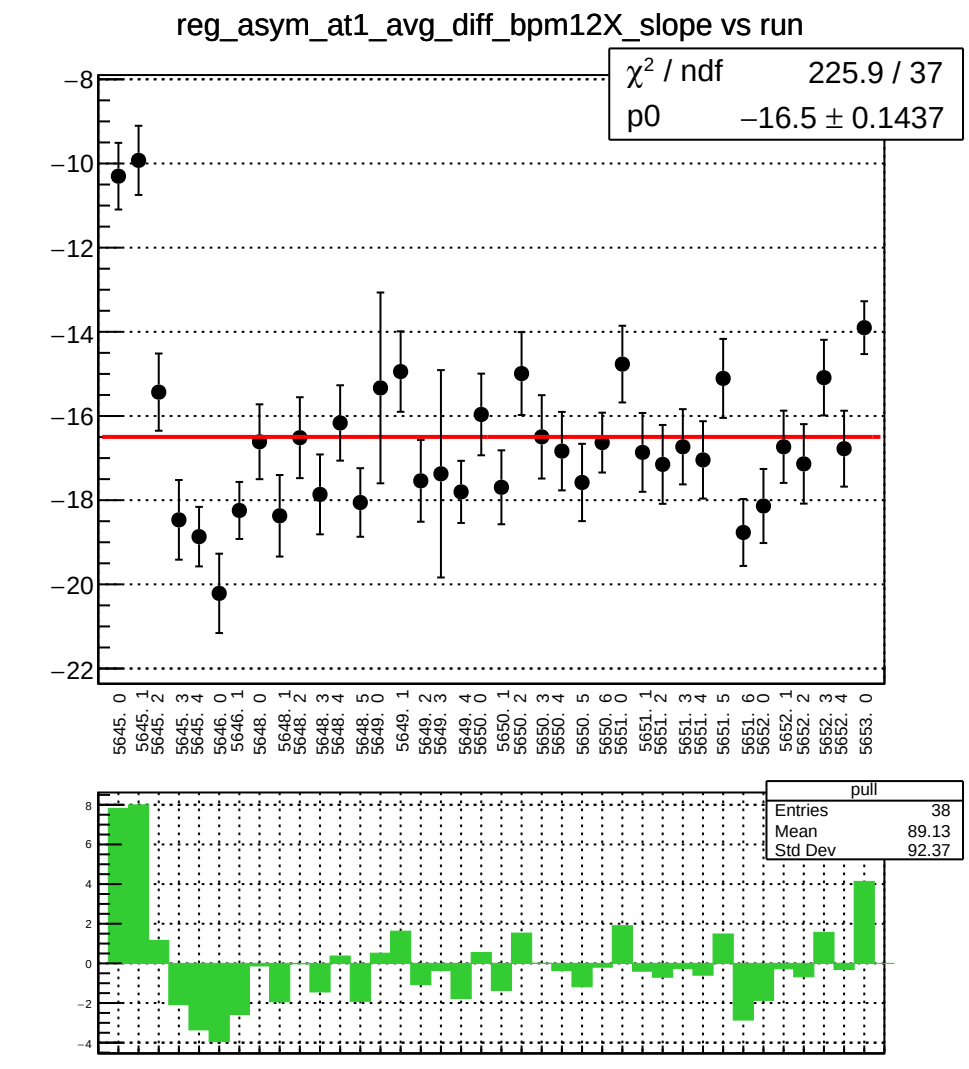

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.91 / 37
p0 7.103 ± 3.772
pull
Entries 38
Mean 28.36
Std Dev 2.01

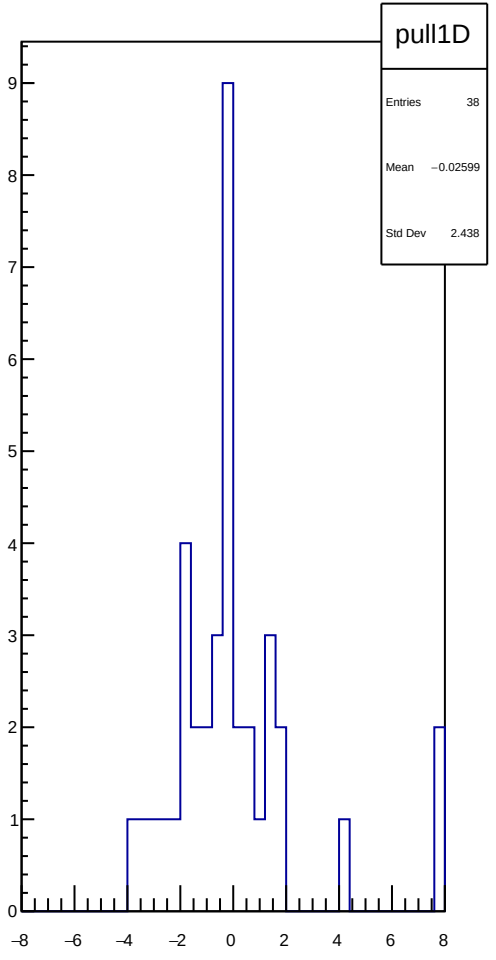

pull1D
Entries 38
Mean −0.1196
Std Dev 0.8791

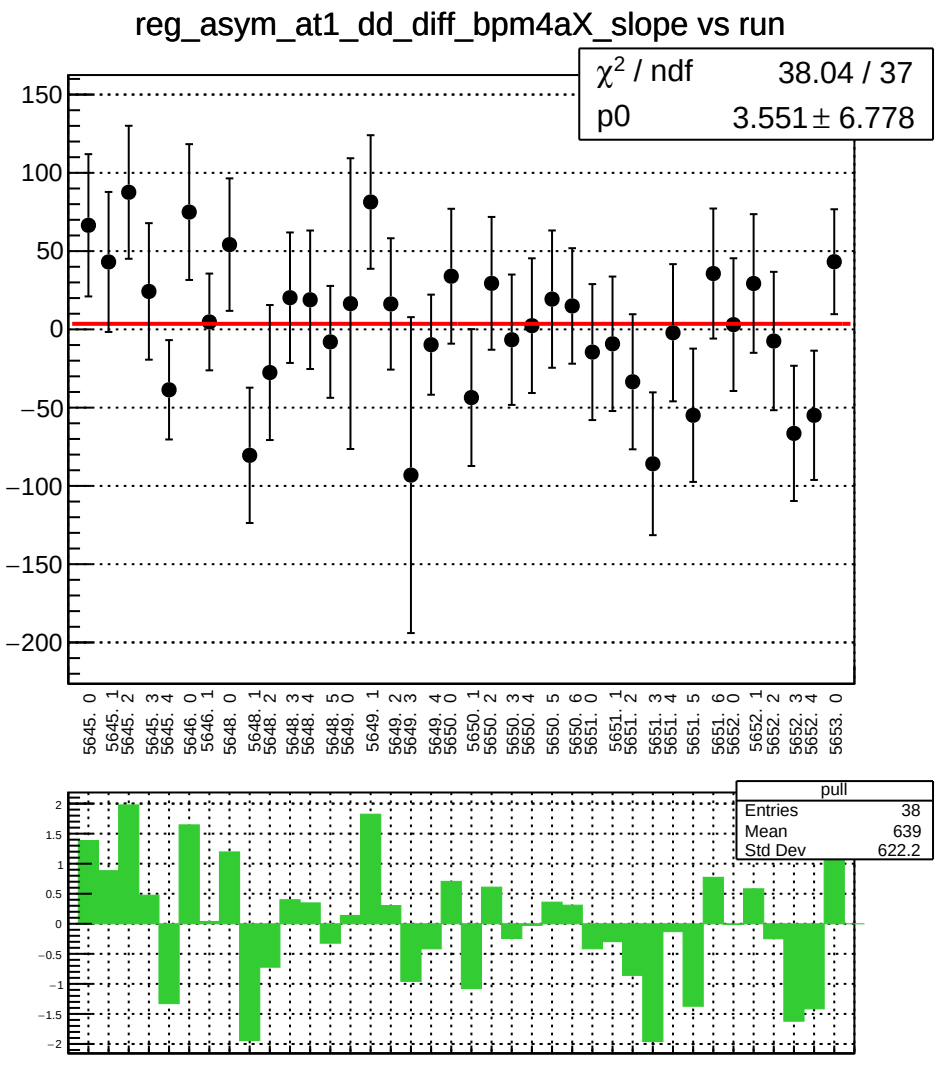

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.09 / 37
p0 33.87 ± 6.358
pull
Entries 38
Mean 40.72
Std Dev 27.88

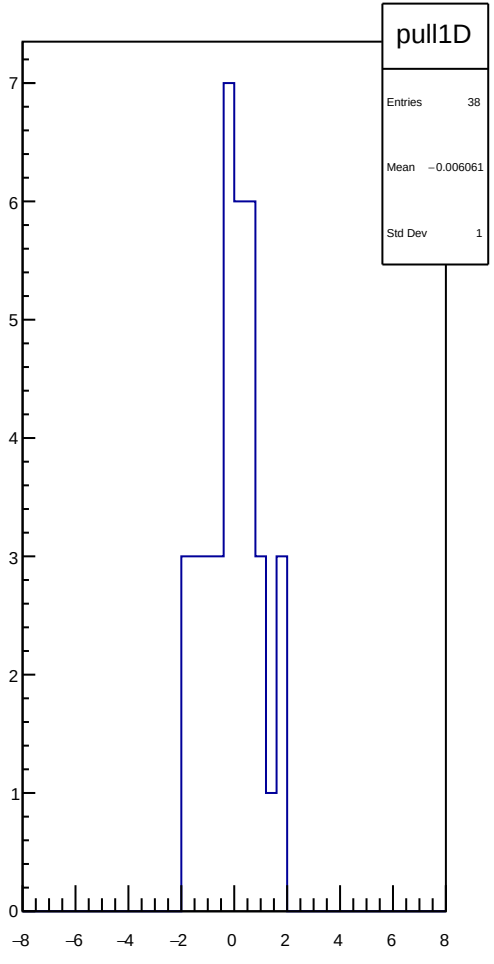

pull1D
Entries 38
Mean −0.02086
Std Dev 1.014

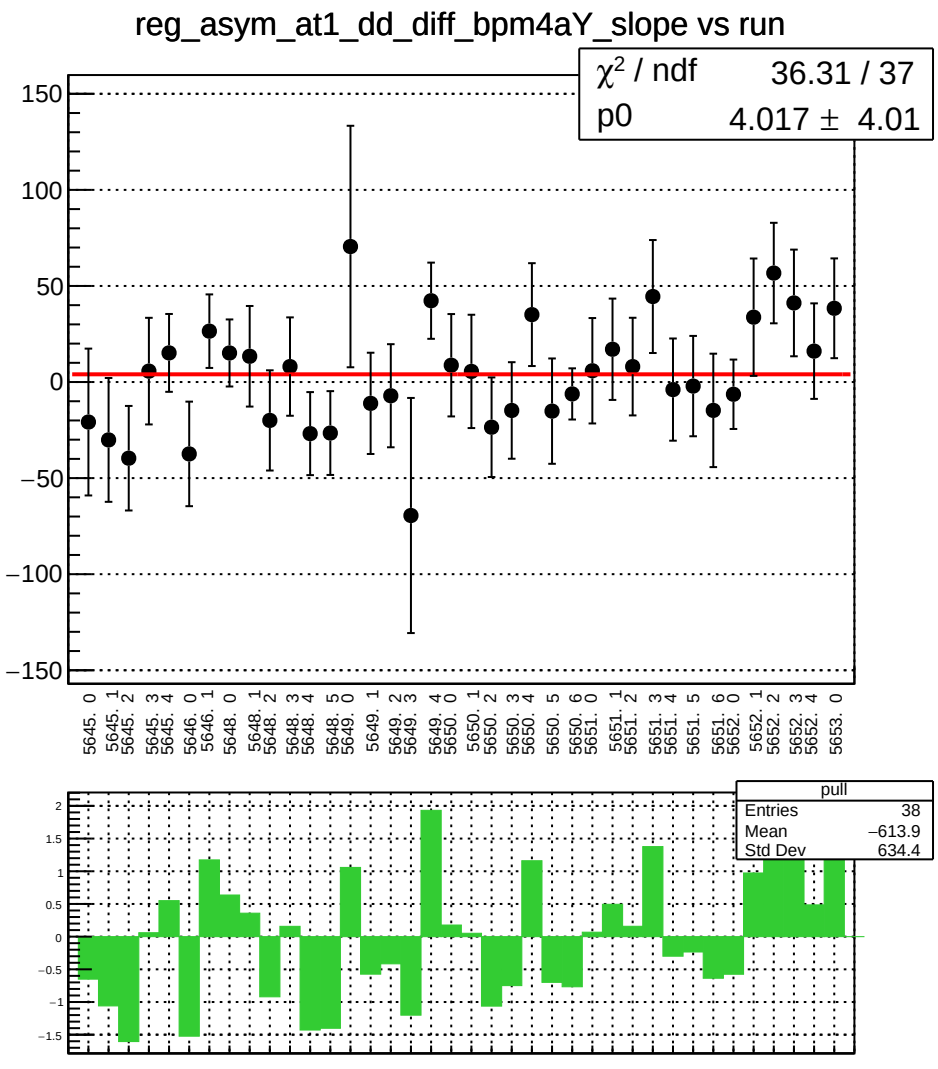

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.33 / 37
p0 −21 ± 4.748
150
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 30.14
Std Dev 7.855
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 38
Mean 0.1151
Std Dev 0.8557
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

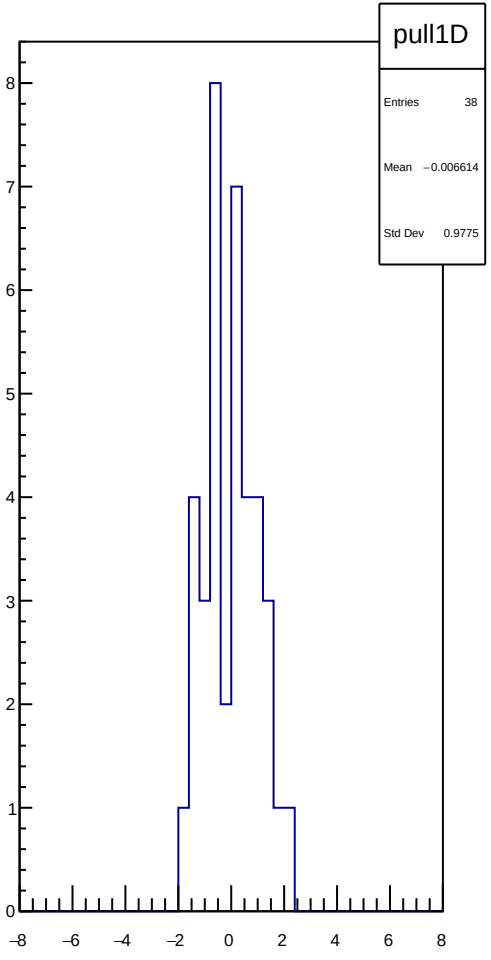

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 225.9 / 37
p0 −16.5 ± 0.1437
pull
Entries 38
Mean 89.13
Std Dev 92.37

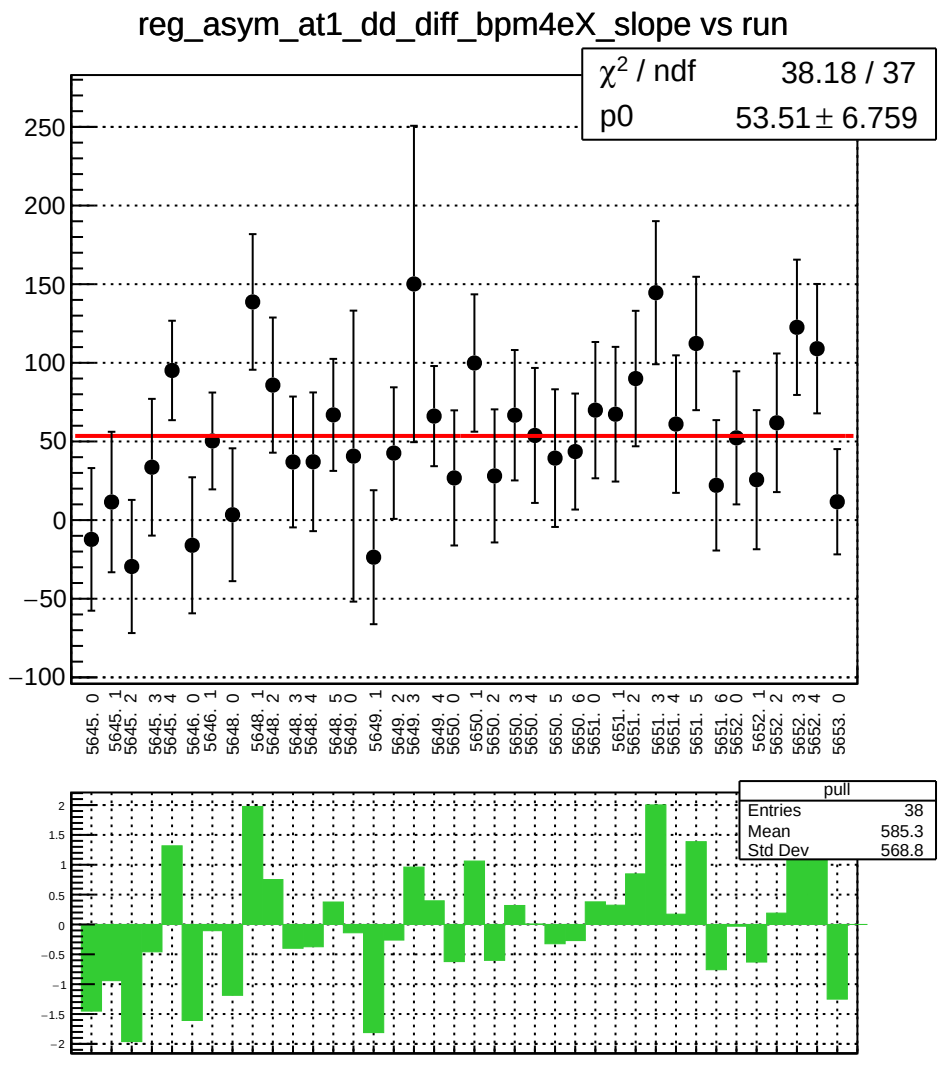

pull1D
Entries 38
Mean −0.02599
Std Dev 2.438

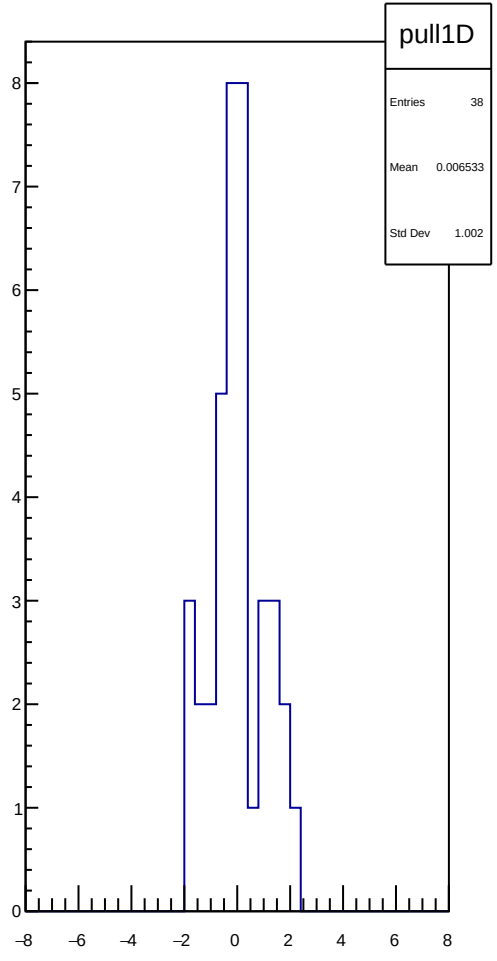

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 38.04 / 37
p0 3.551 ± 6.778
pull
Entries 38
Mean 639
Std Dev 622.2

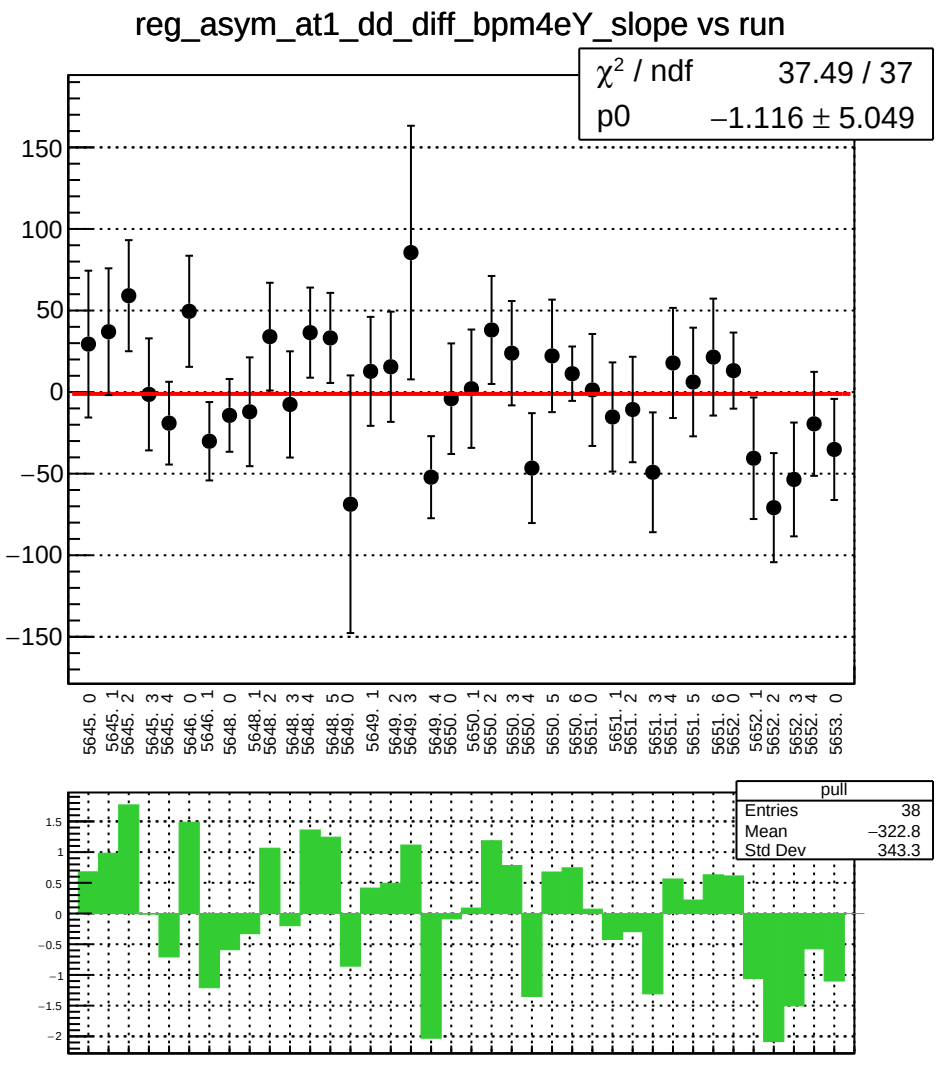

pull1D
Entries 38
Mean −0.006061
Std Dev 1

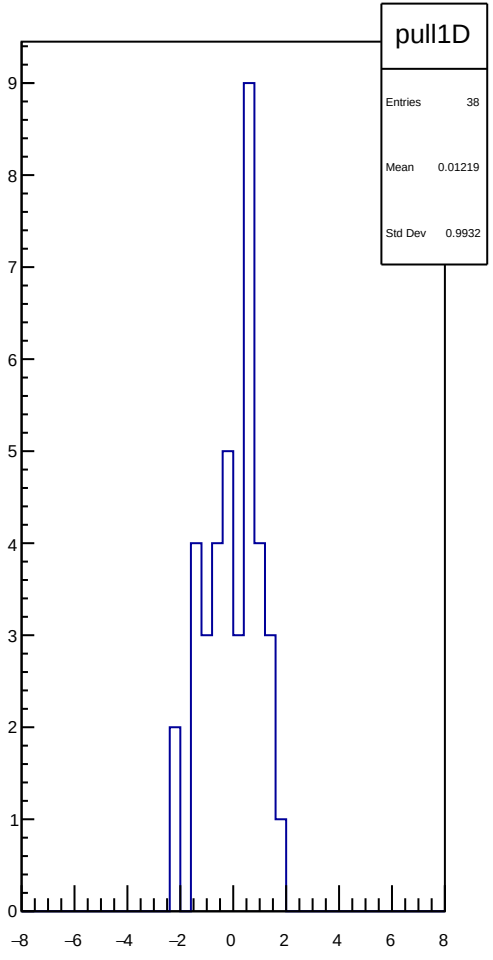

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.31 / 37
p0 4.017 ± 4.01
150
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −613.9
Std Dev 634.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

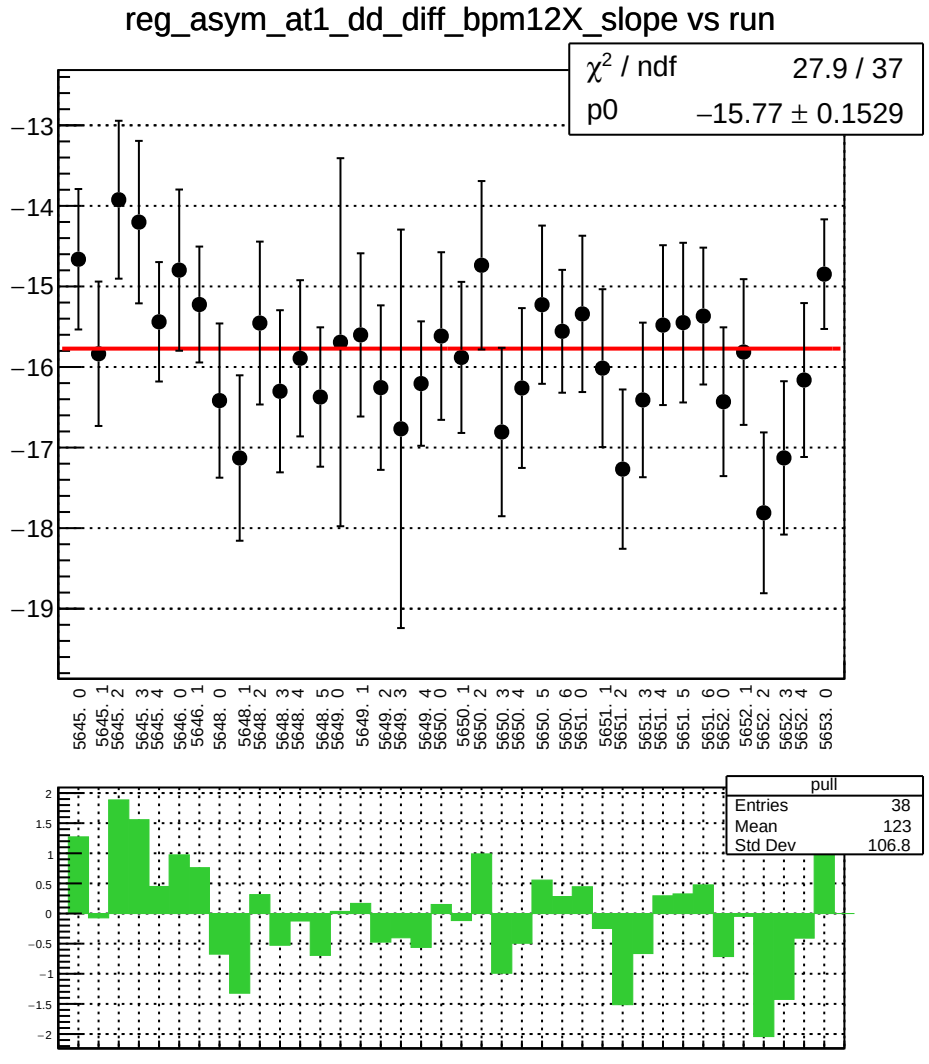

pull1D
Entries 38
Mean −0.006614
Std Dev 0.9775
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

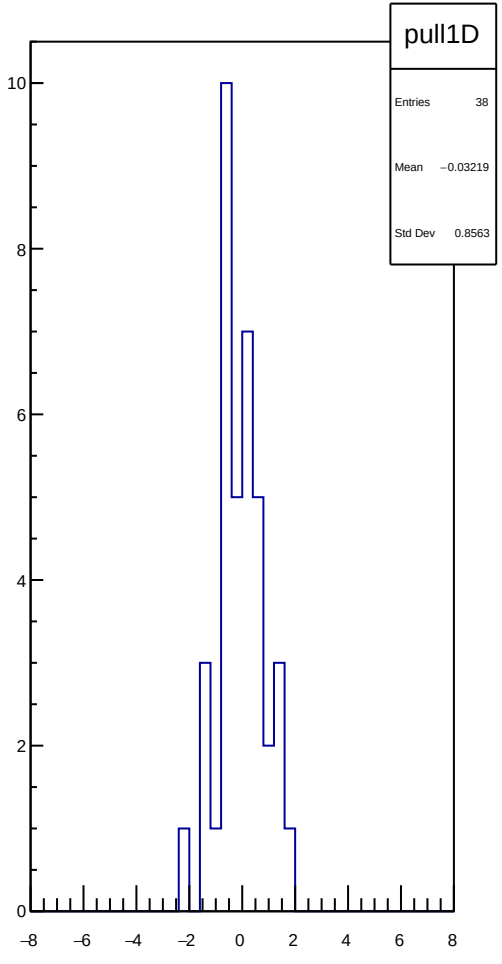

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.18 / 37
p0 53.51 ± 6.759
pull
Entries 38
Mean 585.3
Std Dev 568.8

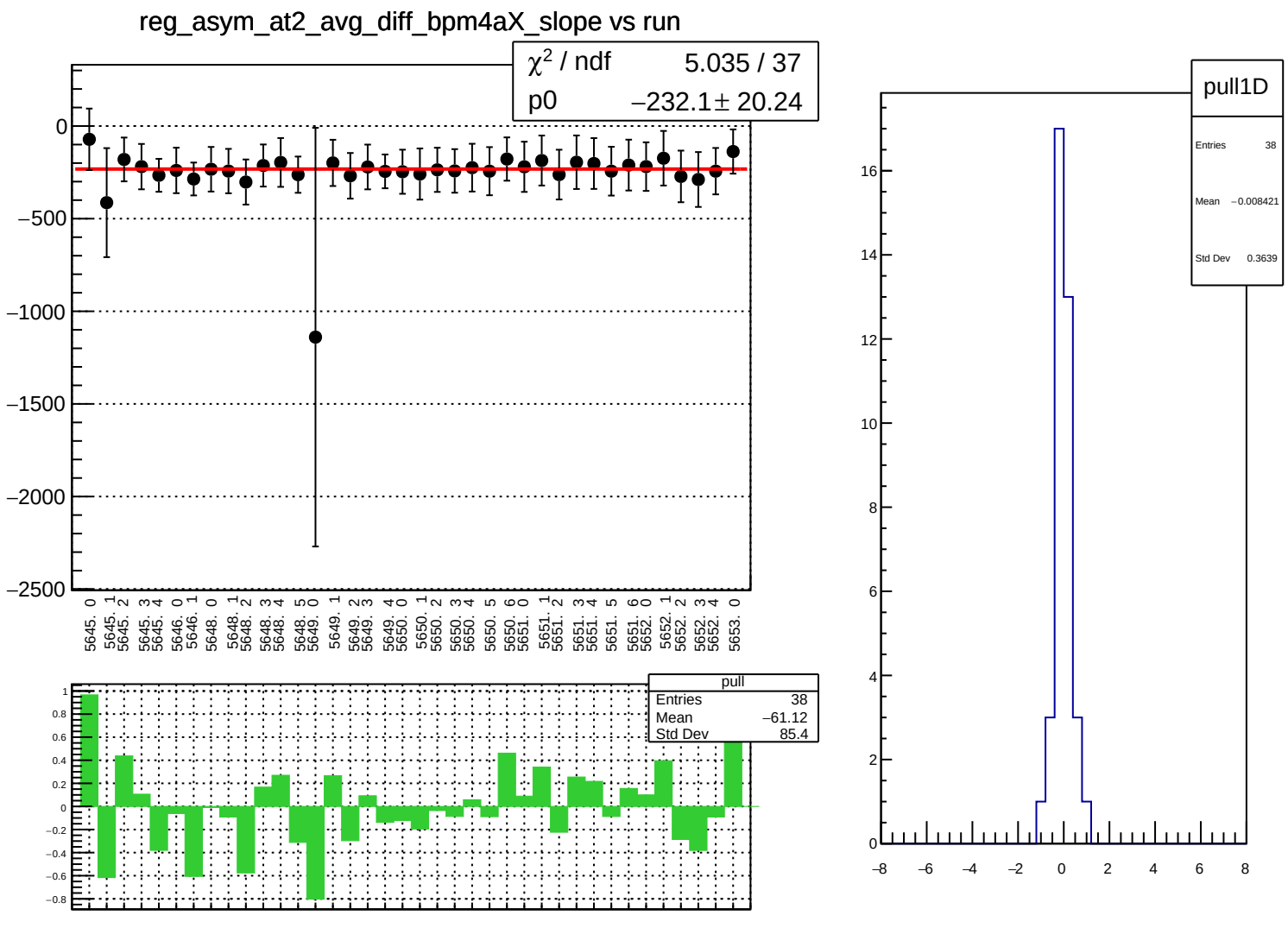

pull1D
Entries 38
Mean 0.006533
Std Dev 1.002

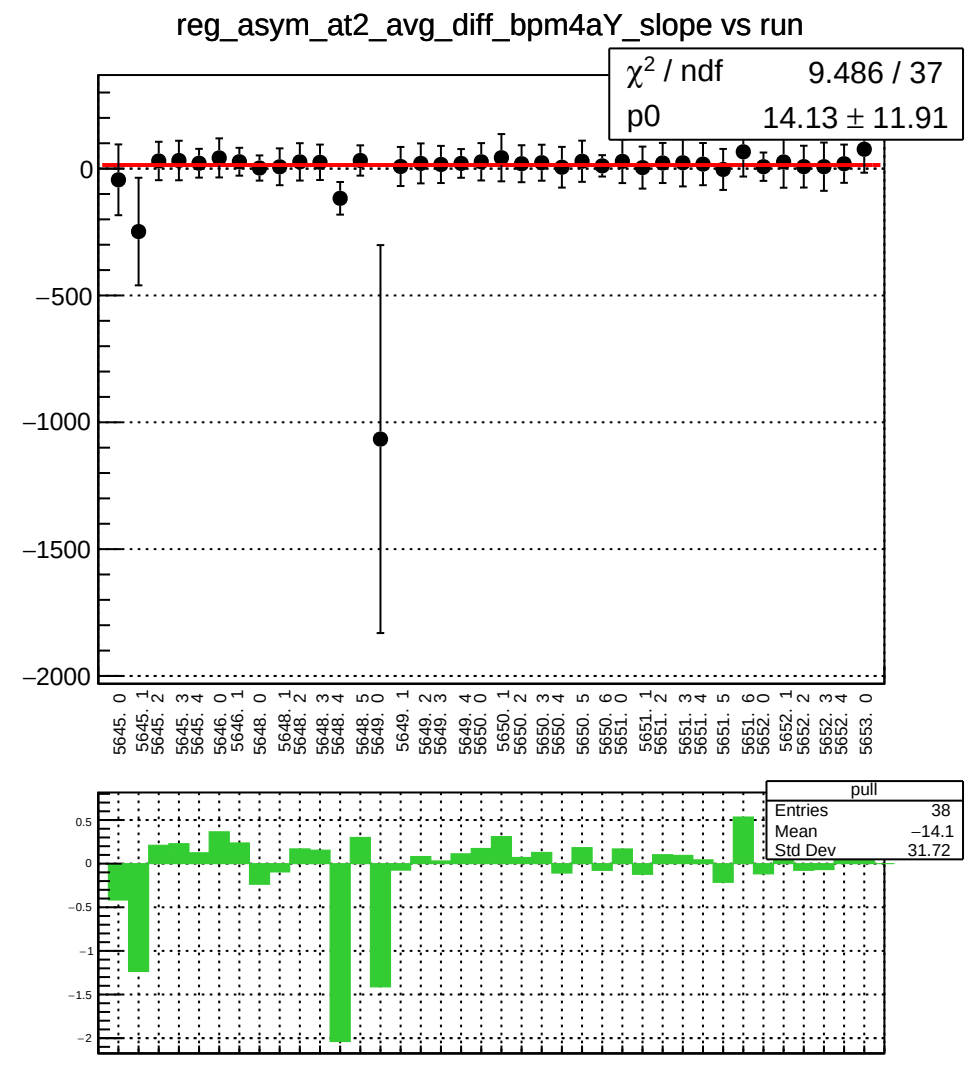

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.49 / 37
p0 −1.116 ± 5.049
150
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −322.8
Std Dev 343.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

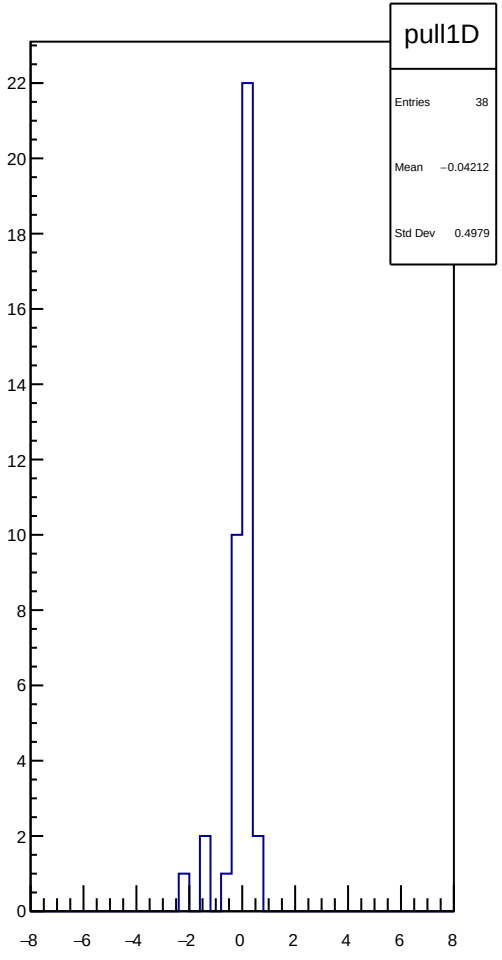

pull1D
Entries 38
Mean 0.01219
Std Dev 0.9932
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

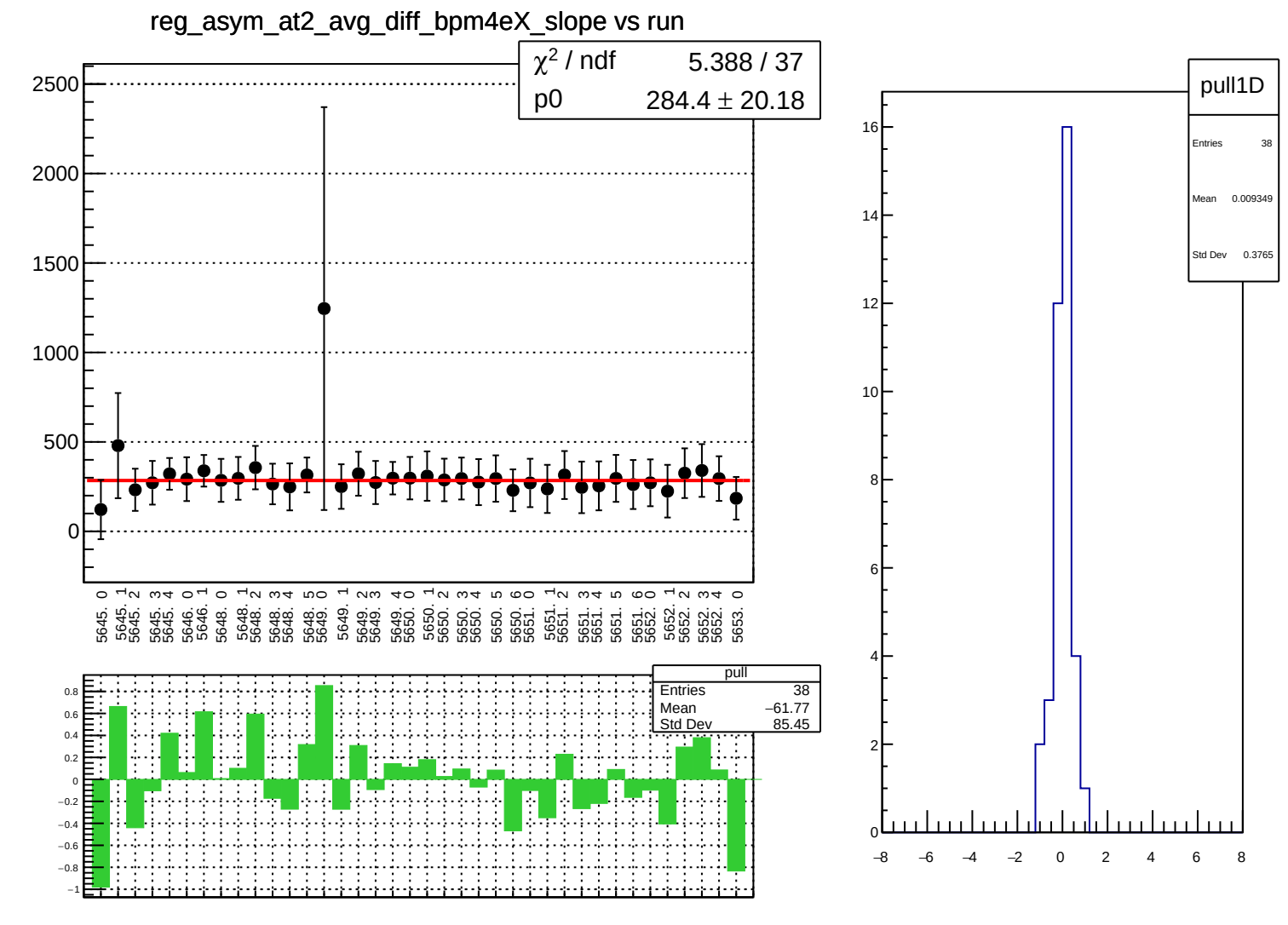

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 27.9 / 37
p0 −15.77 ± 0.1529
pull
Entries 38
Mean 123
Std Dev 106.8

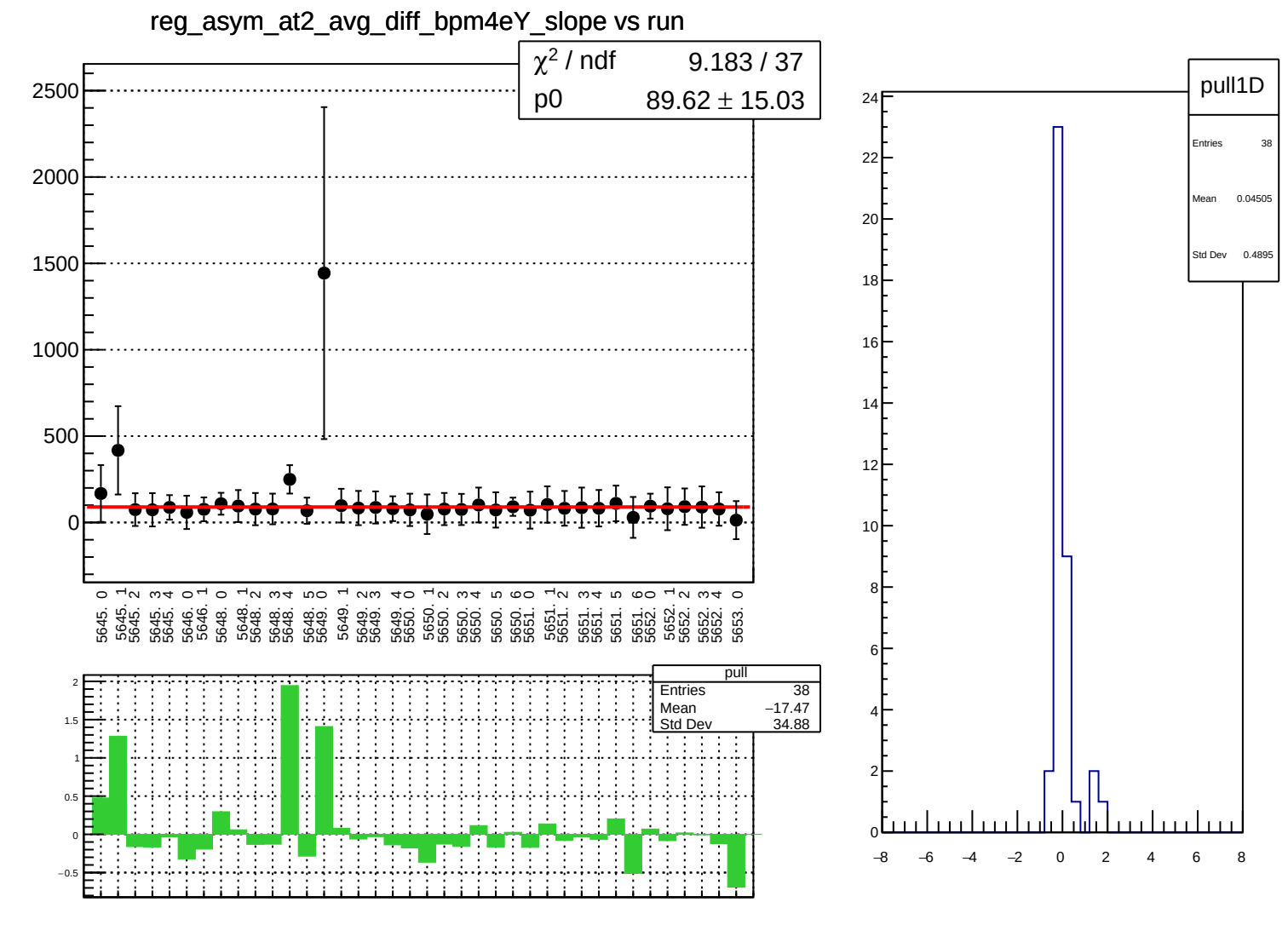

pull1D
Entries 38
Mean −0.03219
Std Dev 0.8563

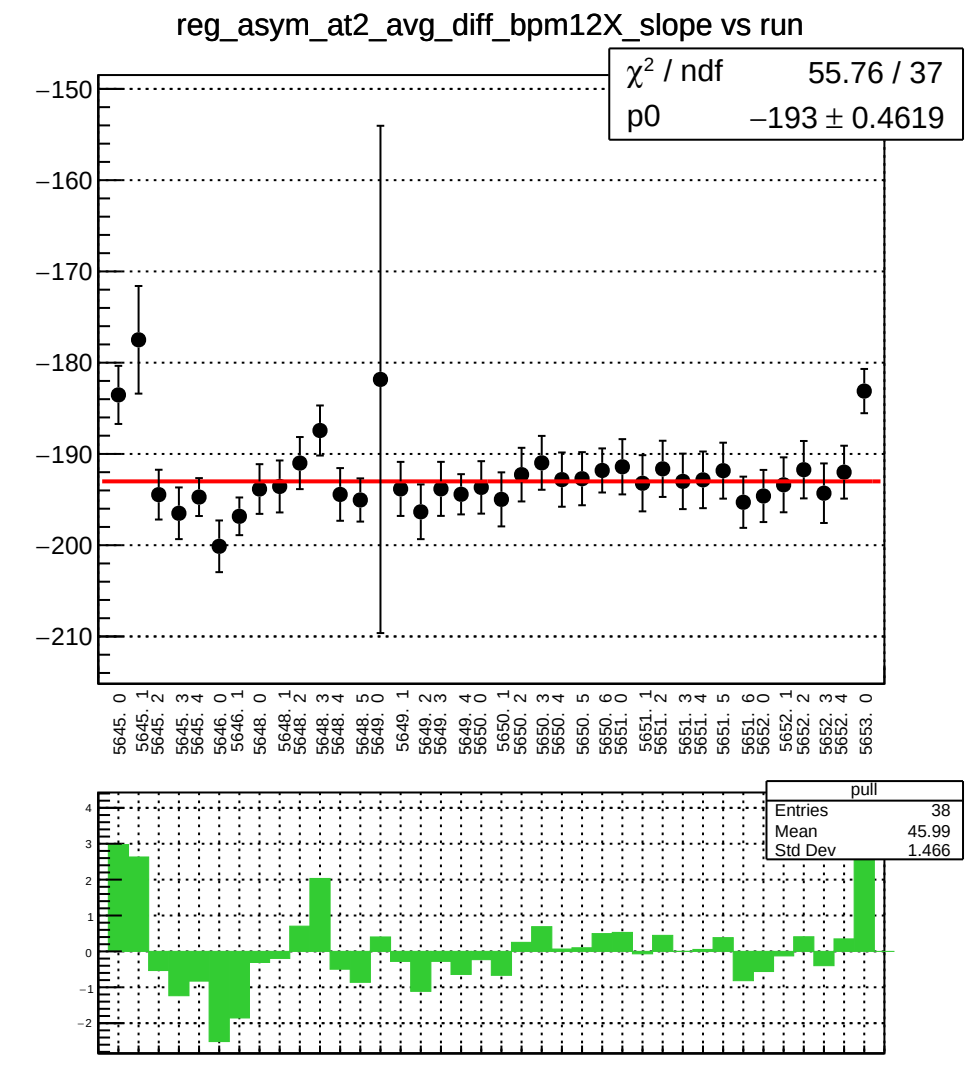

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.035 / 37
p0 −232.1± 20.24
0
−500
−1000
−1500
−2000
−2500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −61.12
Std Dev 85.4
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 38
Mean −0.008421
Std Dev 0.3639
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

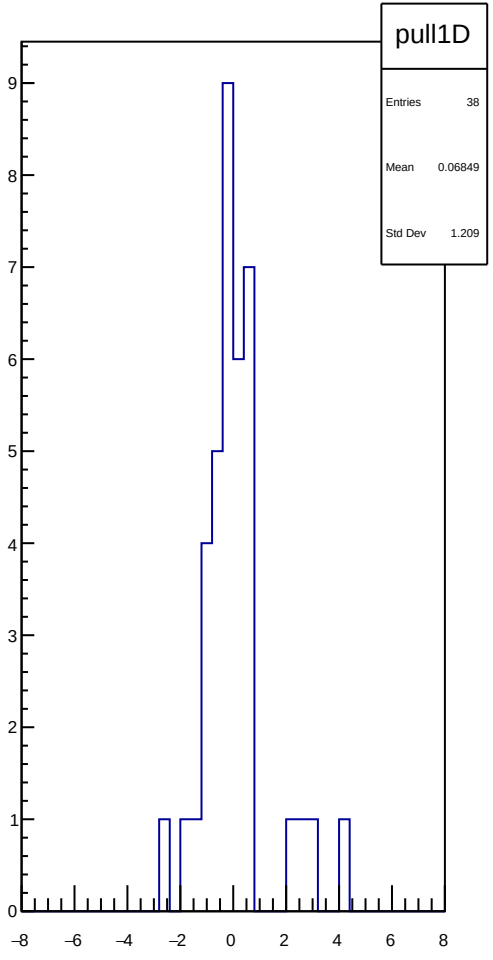

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.486 / 37
p0 14.13 ± 11.91
0
−500
−1000
−1500
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −14.1
Std Dev 31.72
0.5
0
−0.5
−1
−1.5
−2

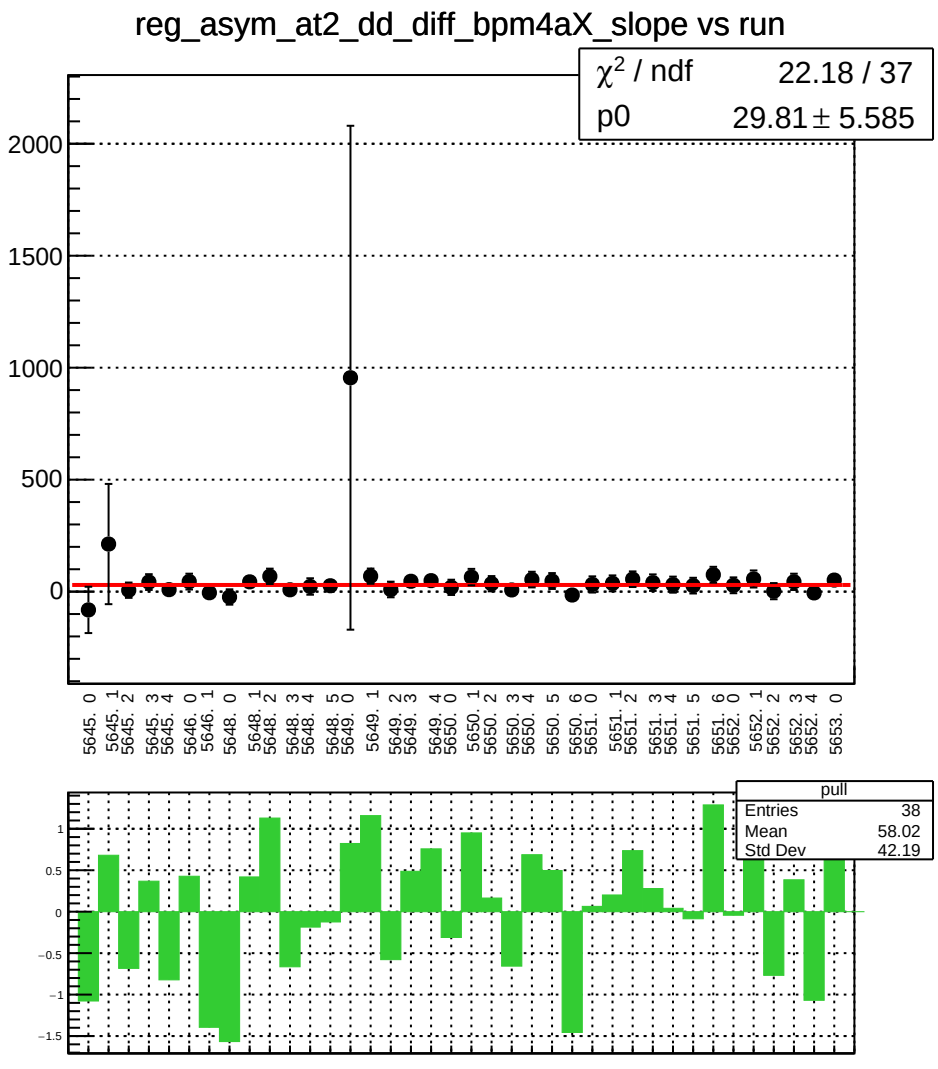

pull1D
Entries 38
Mean −0.04212
Std Dev 0.4979
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

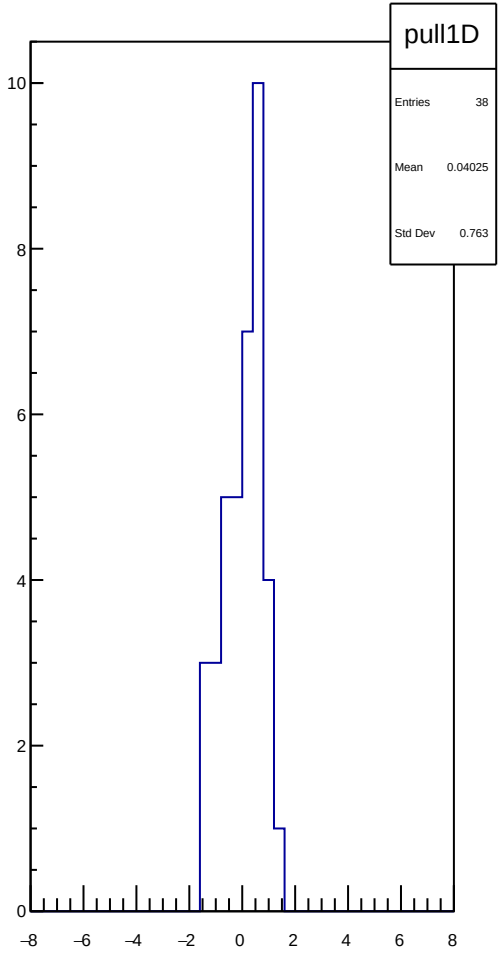

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.388 / 37
p0 284.4 ± 20.18
2500
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −61.77
Std Dev 85.45
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 38
Mean 0.009349
Std Dev 0.3765
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

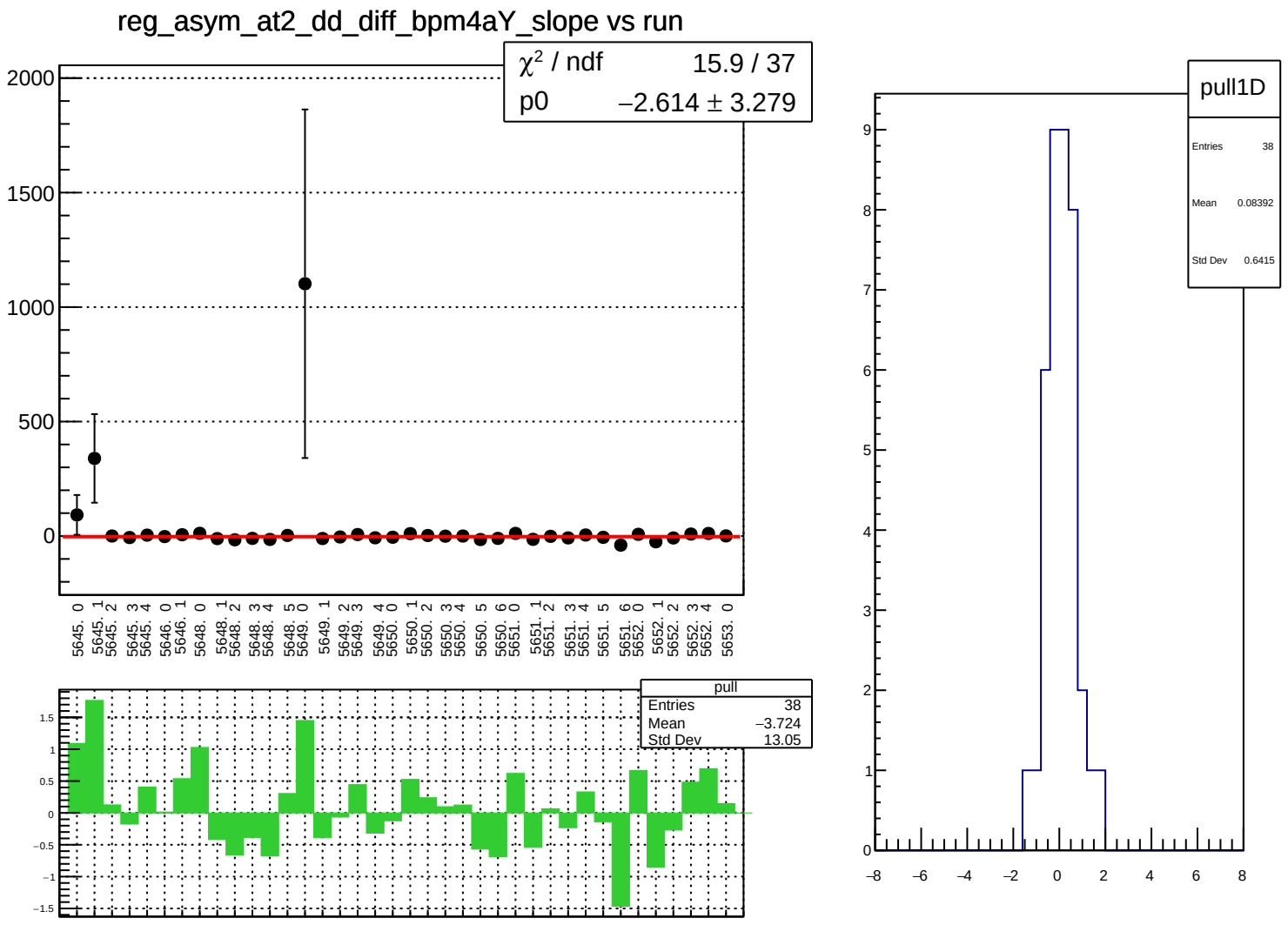

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.183 / 37
p0 89.62 ± 15.03
2500
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −17.47
Std Dev 34.88
2
1.5
1
0.5
0
−0.5
pull1D
Entries 38
Mean 0.04505
Std Dev 0.4895
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

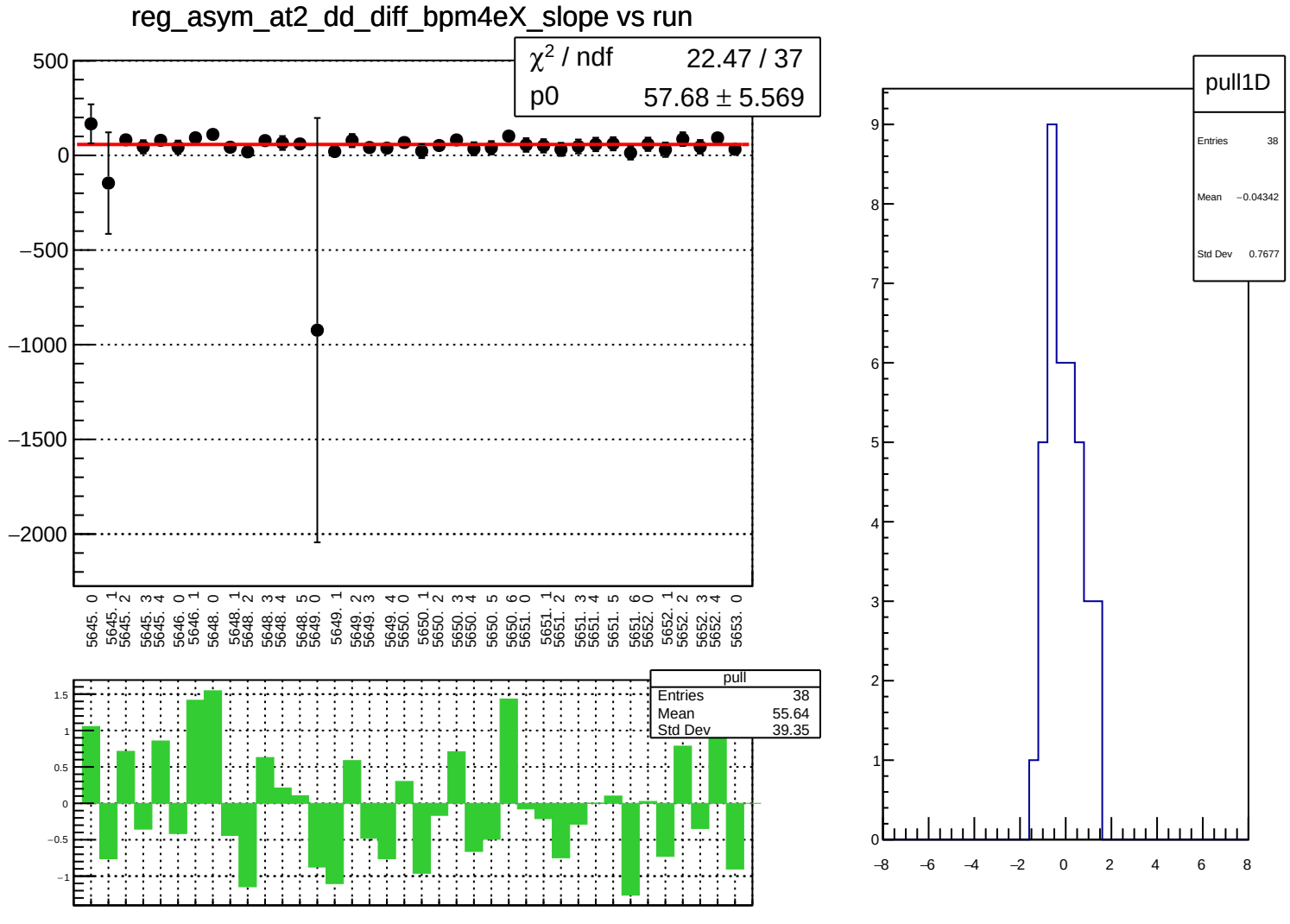

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 55.76 / 37
p0 −193 ± 0.4619
−150
−160
−170
−180
−190
−200
−210
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 45.99
Std Dev 1.466
4
3
2
1
0
−1
−2

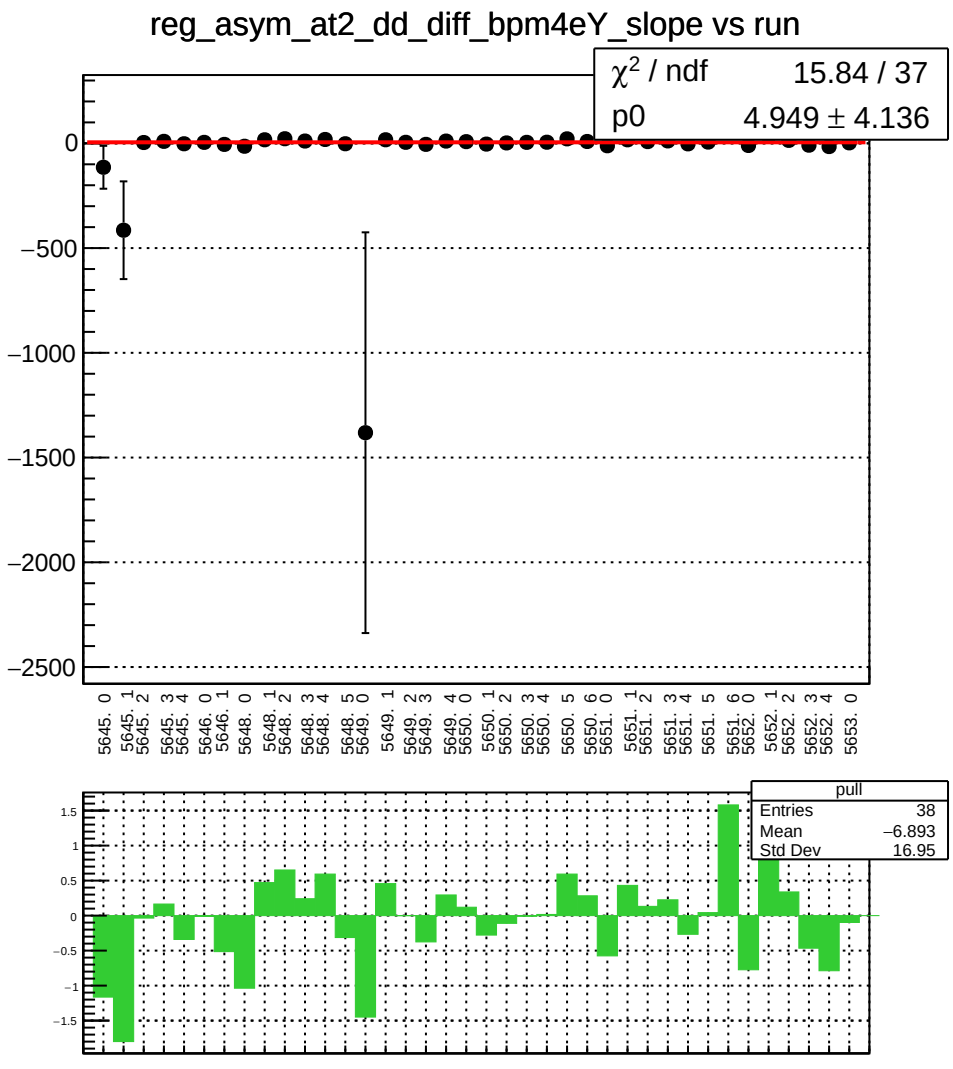

pull1D
Entries 38
Mean 0.06849
Std Dev 1.209
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

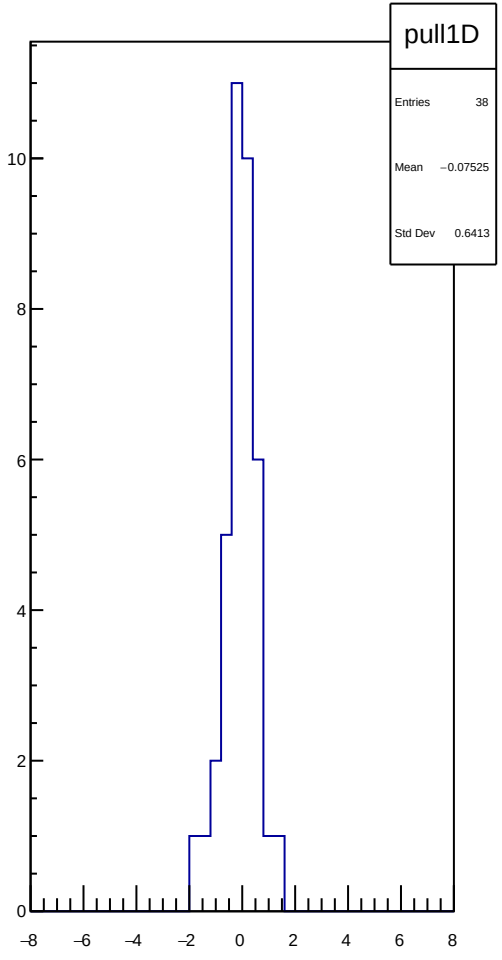

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 22.18 / 37
p0 29.81 ± 5.585
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 58.02
Std Dev 42.19
1
0.5
0
−0.5
−1
−1.5

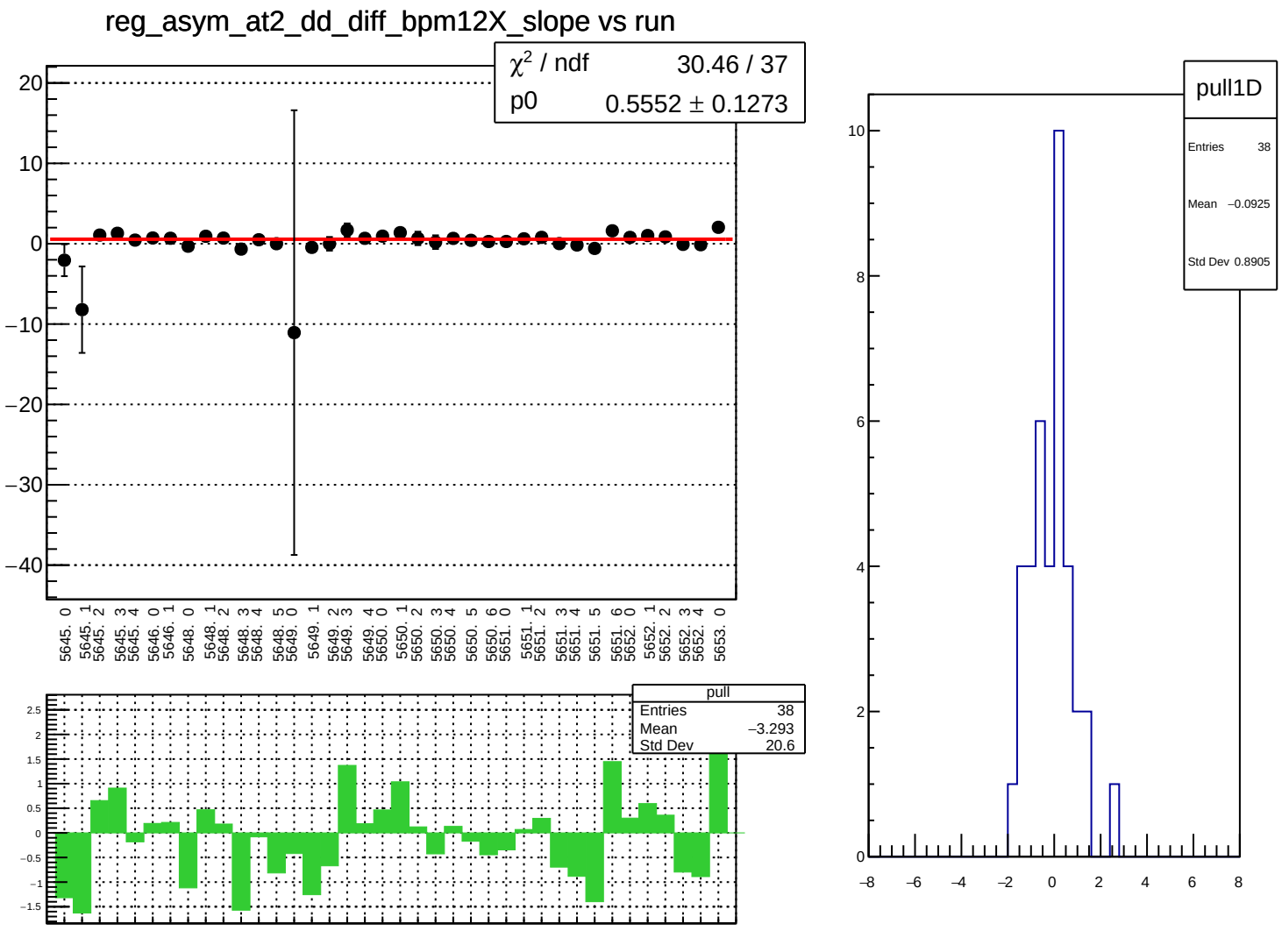

pull1D
Entries 38
Mean 0.04025
Std Dev 0.763
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

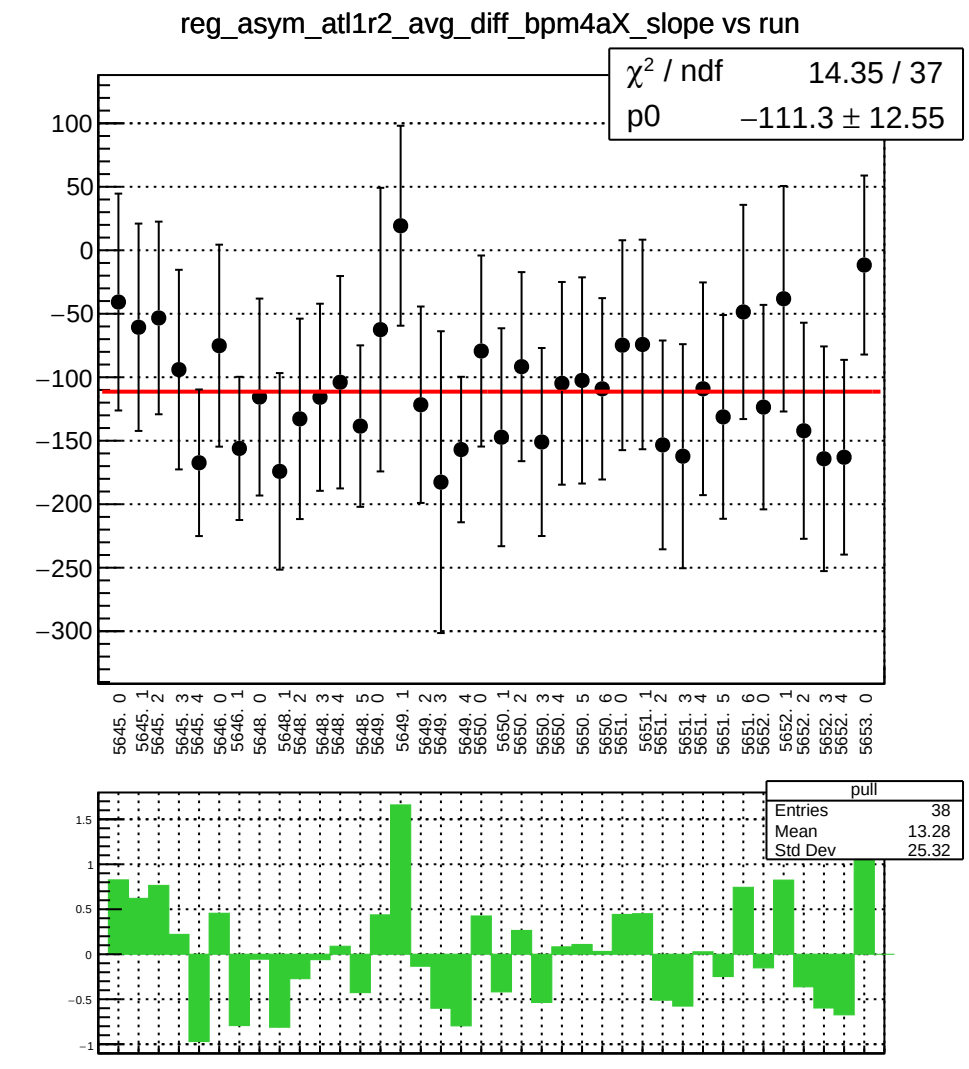

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.9 / 37
p0 −2.614 ± 3.279
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −3.724
Std Dev 13.05
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean 0.08392
Std Dev 0.6415
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

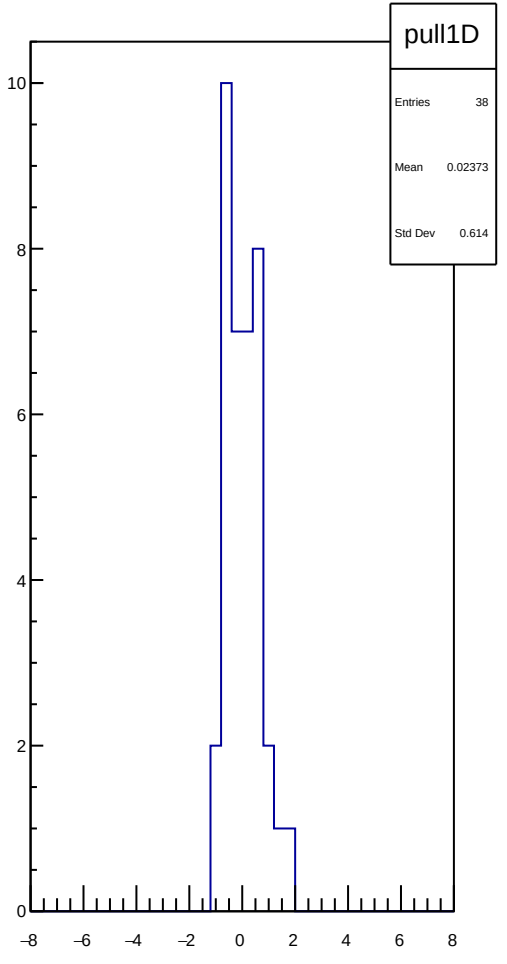

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.47 / 37
p0 57.68 ± 5.569
500
0
−500
−1000
−1500
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 55.64
Std Dev 39.35
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean −0.04342
Std Dev 0.7677
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

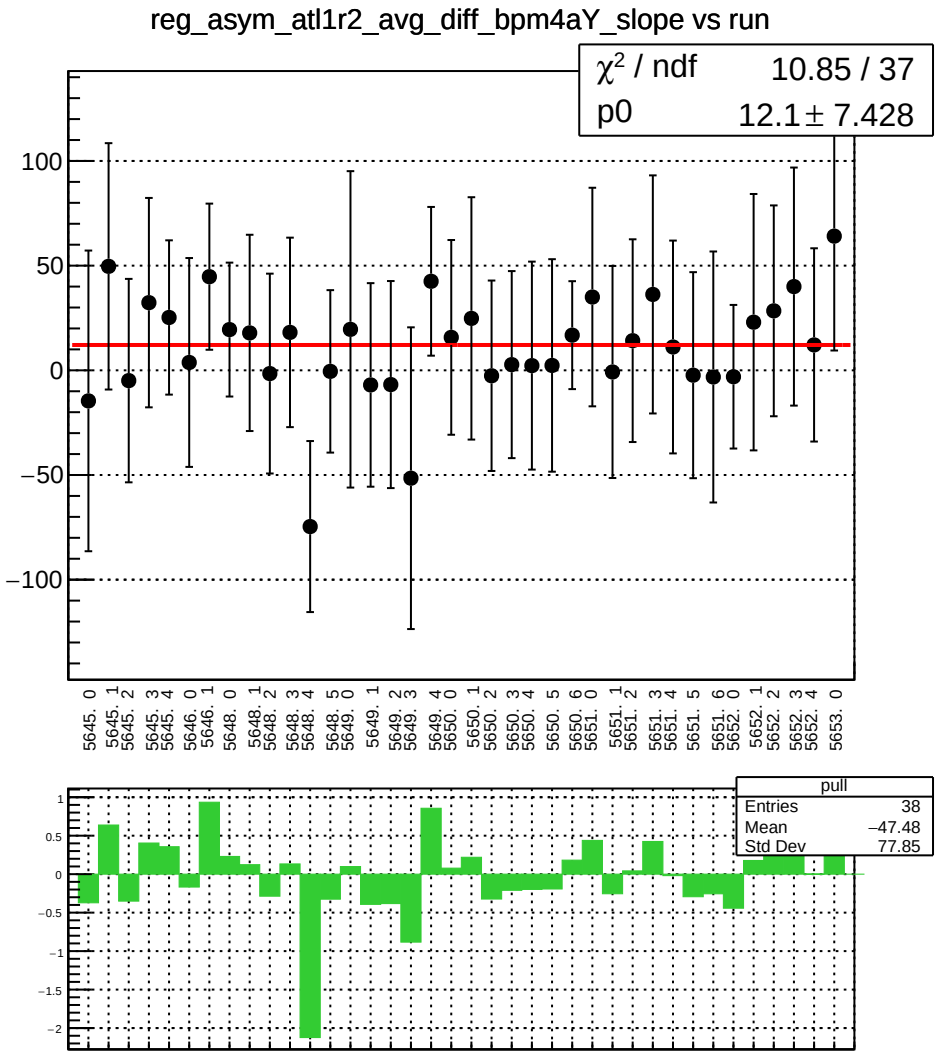

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.84 / 37
p0 4.949 ± 4.136
0
−500
−1000
−1500
−2000
−2500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −6.893
Std Dev 16.95
1.5
1
0.5
0
−0.5
−1
−1.5

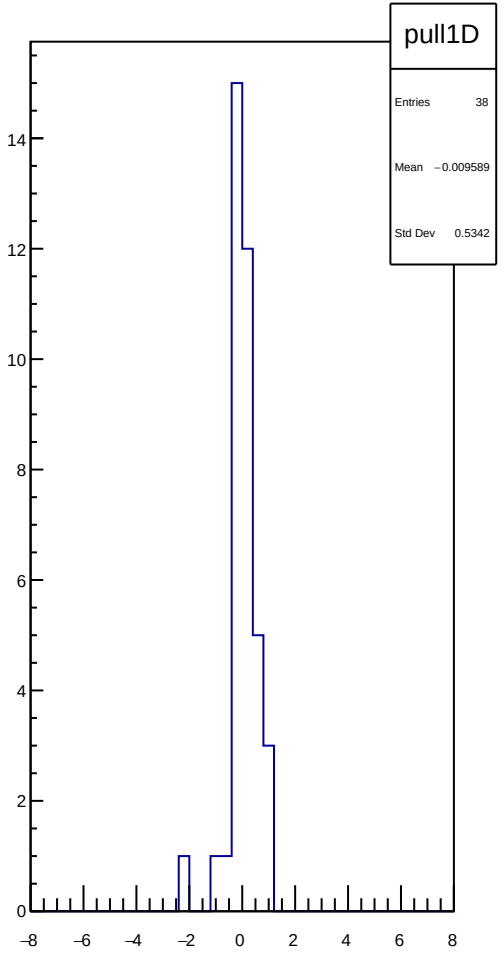

pull1D
Entries 38
Mean −0.07525
Std Dev 0.6413
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

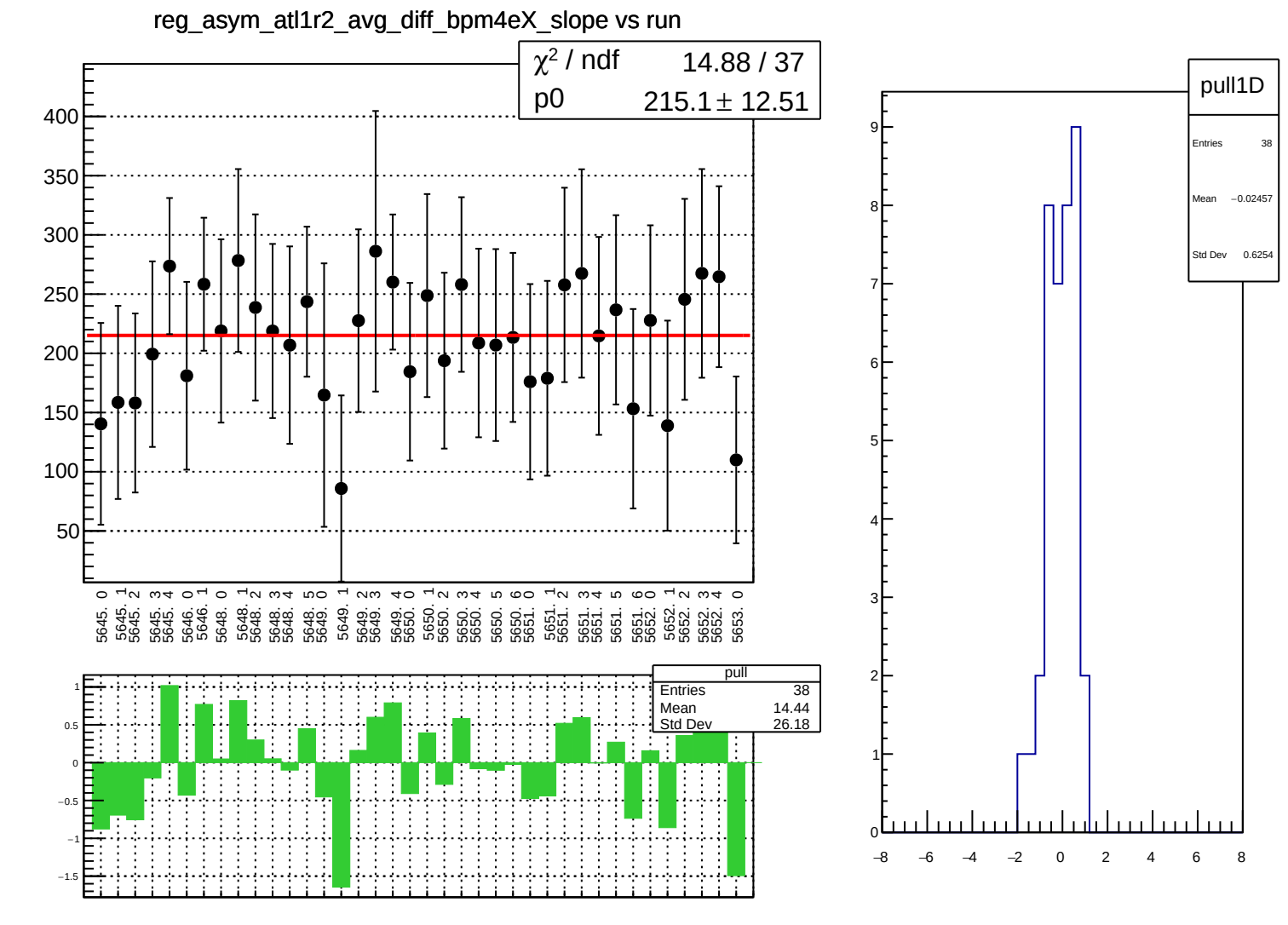

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 30.46 / 37
p0 0.5552 ± 0.1273
pull
Entries 38
Mean −3.293
Std Dev 20.6
pull1D
Entries 38
Mean −0.0925
Std Dev 0.8905

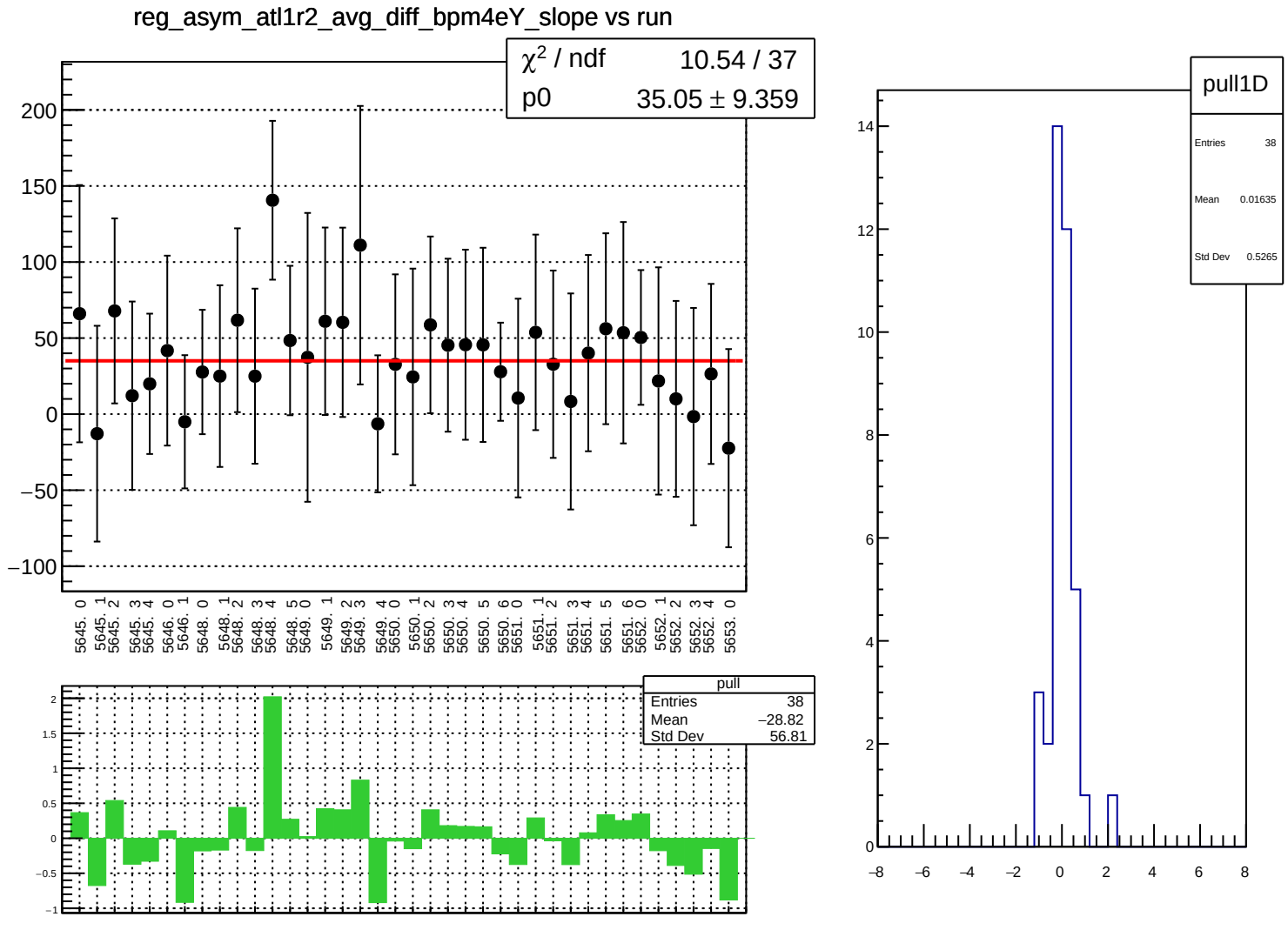

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.35 / 37
p0 −111.3 ± 12.55
100
50
0
−50
−100
−150
−200
−250
−300
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 13.28
Std Dev 25.32
1.5
1
0.5
0
−0.5
−1

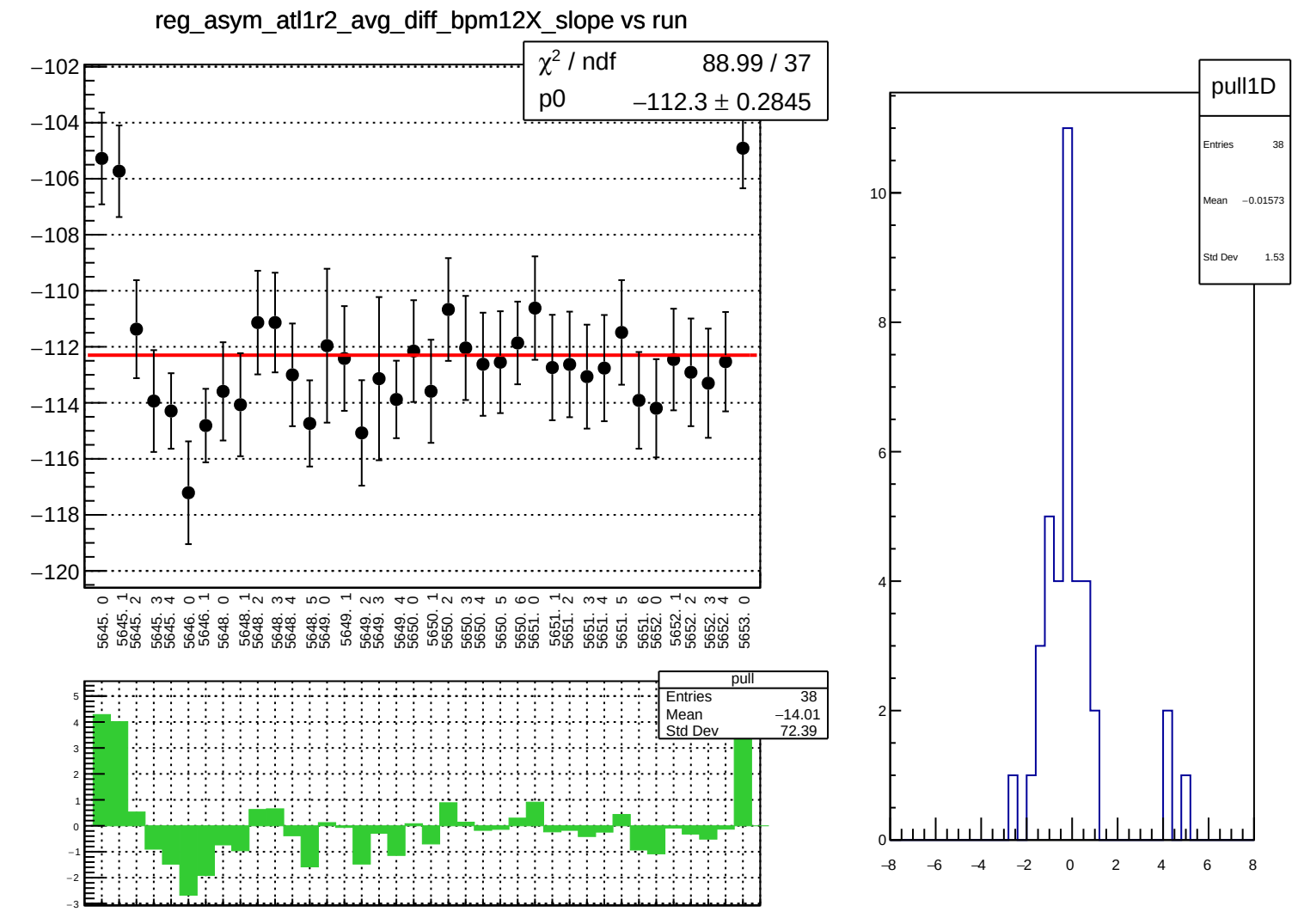

pull1D
Entries 38
Mean 0.02373
Std Dev 0.614
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

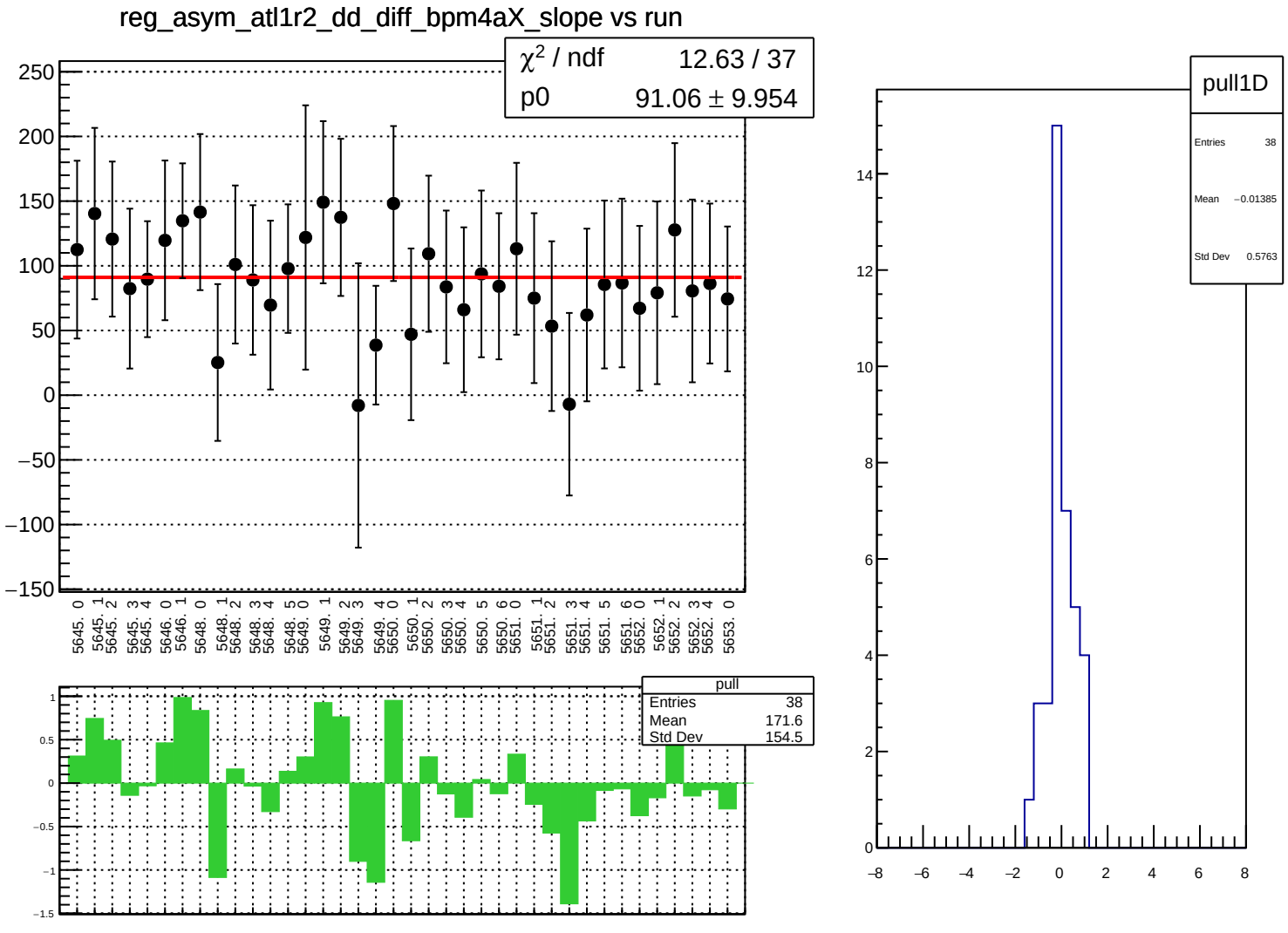

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.85 / 37
p0 12.1 ± 7.428
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −47.48
Std Dev 77.85
1
0.5
0
−0.5
−1
−1.5
−2

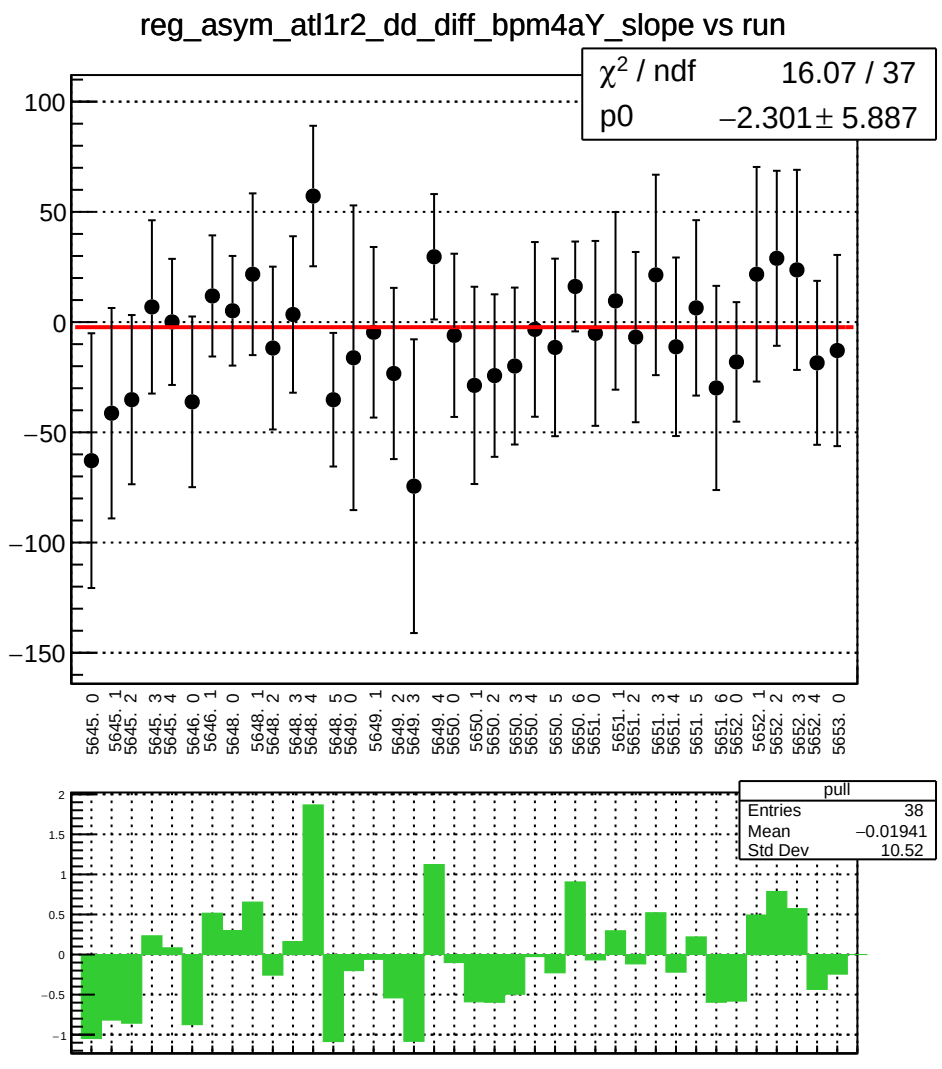

pull1D
Entries 38
Mean −0.009589
Std Dev 0.5342
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

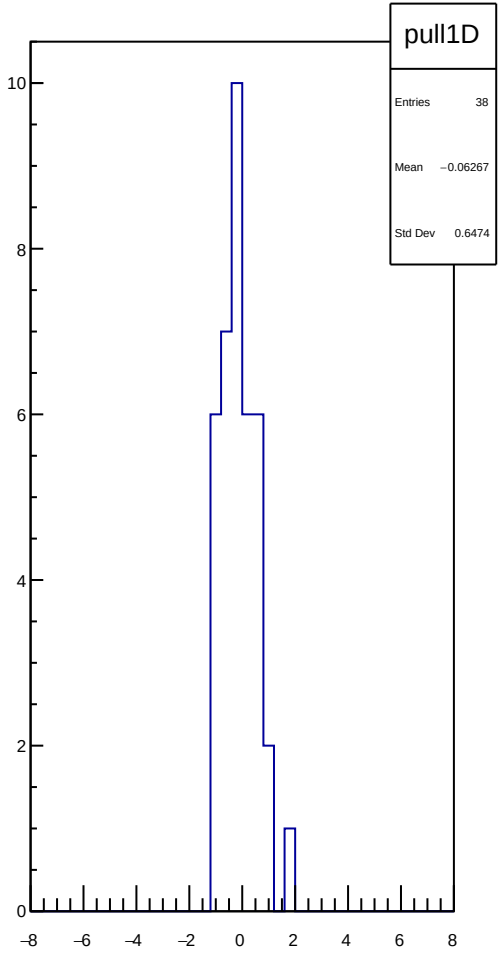

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.88 / 37
p0 215.1 ± 12.51
pull
Entries 38
Mean 14.44
Std Dev 26.18
pull1D
Entries 38
Mean −0.02457
Std Dev 0.6254

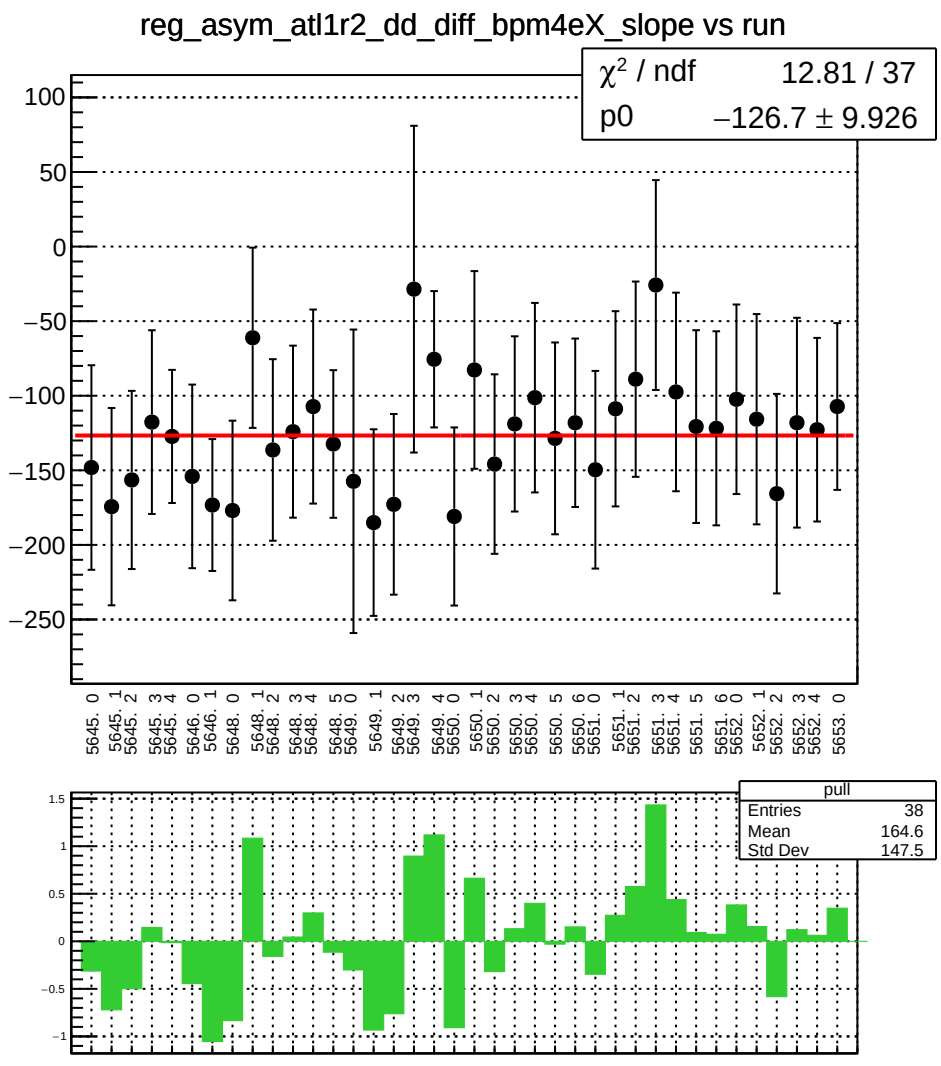

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.54 / 37
p0 35.05 ± 9.359
200
150
100
50
0
−50
−100
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −28.82
Std Dev 56.81
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean 0.01635
Std Dev 0.5265
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

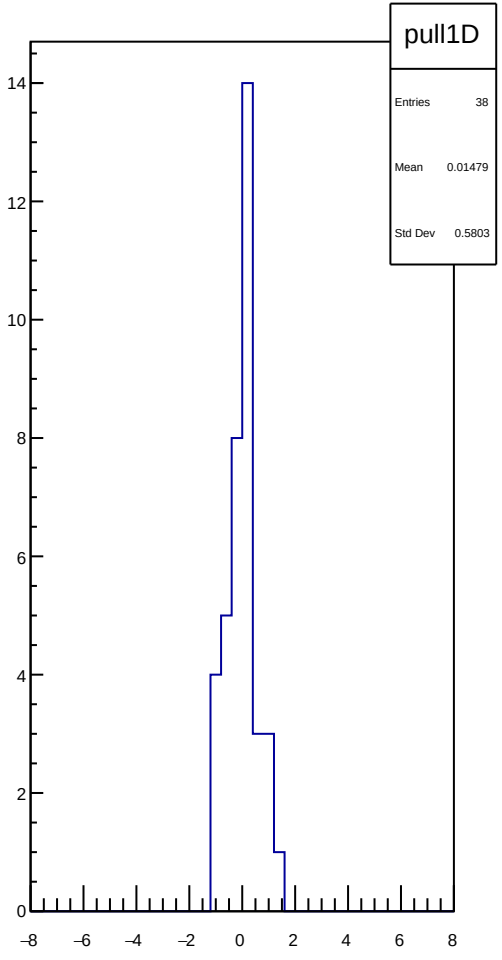

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 88.99 / 37
p0 −112.3 ± 0.2845
pull
Entries 38
Mean −14.01
Std Dev 72.39
pull1D
Entries 38
Mean −0.01573
Std Dev 1.53

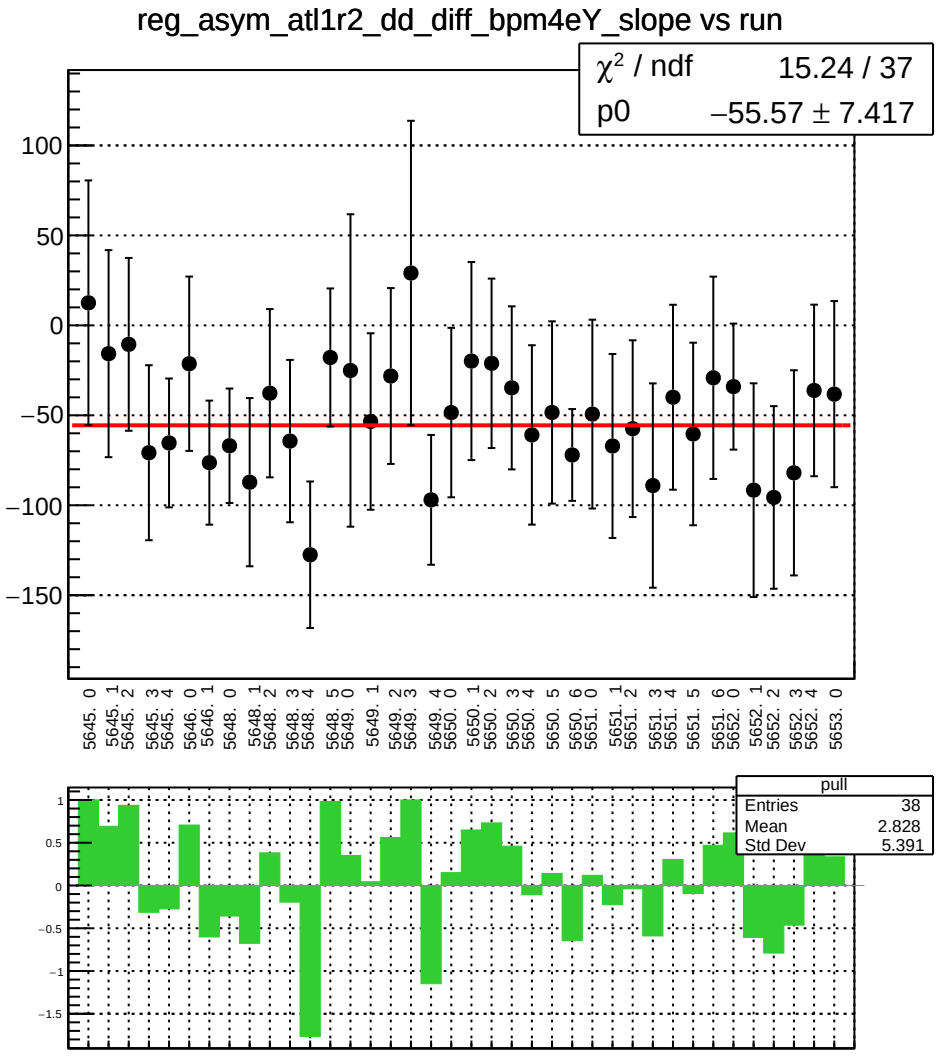

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.63 / 37
p0 91.06 ± 9.954
pull
Entries 38
Mean 171.6
Std Dev 154.5
pull1D
Entries 38
Mean −0.01385
Std Dev 0.5763

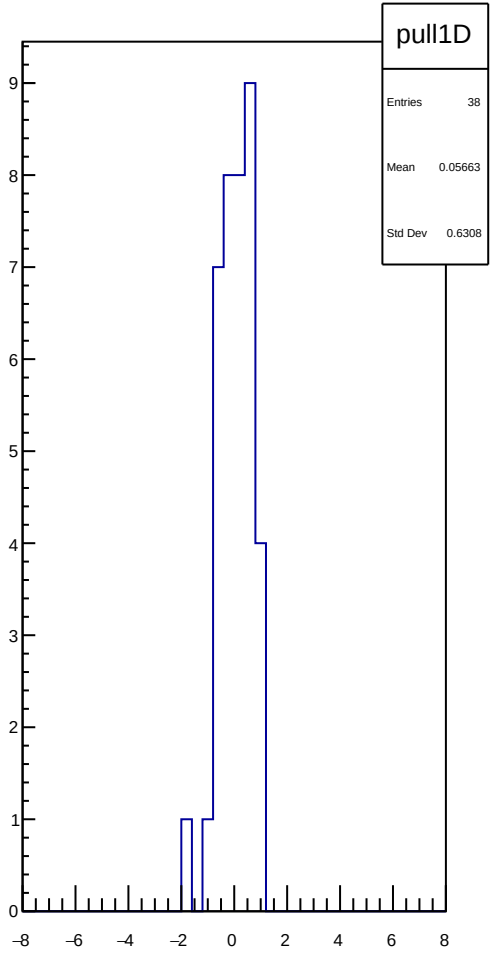

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.07 / 37
p0 −2.301 ± 5.887
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −0.01941
Std Dev 10.52
2
1.5
1
0.5
0
−0.5
−1

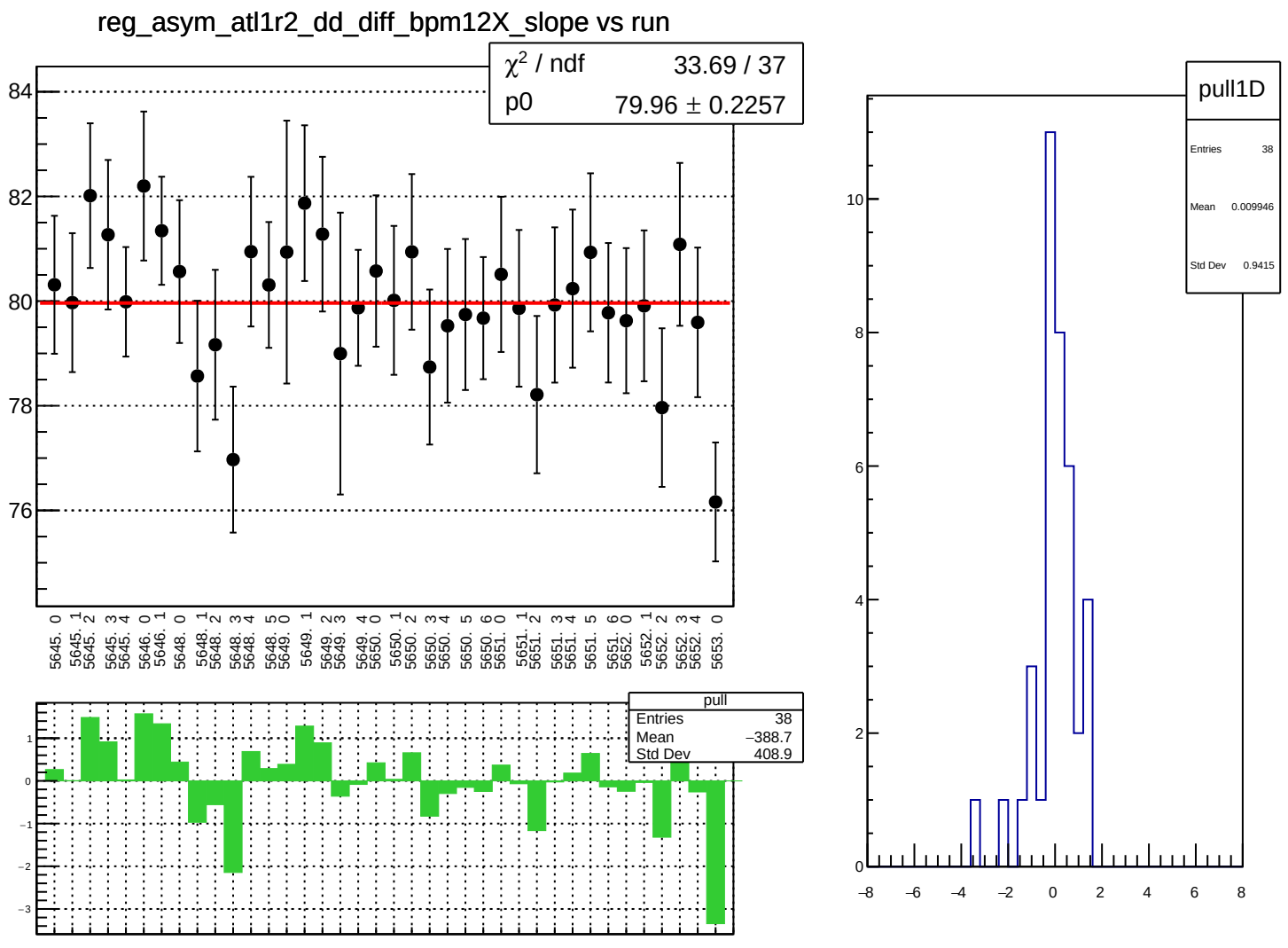

pull1D
Entries 38
Mean −0.06267
Std Dev 0.6474
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

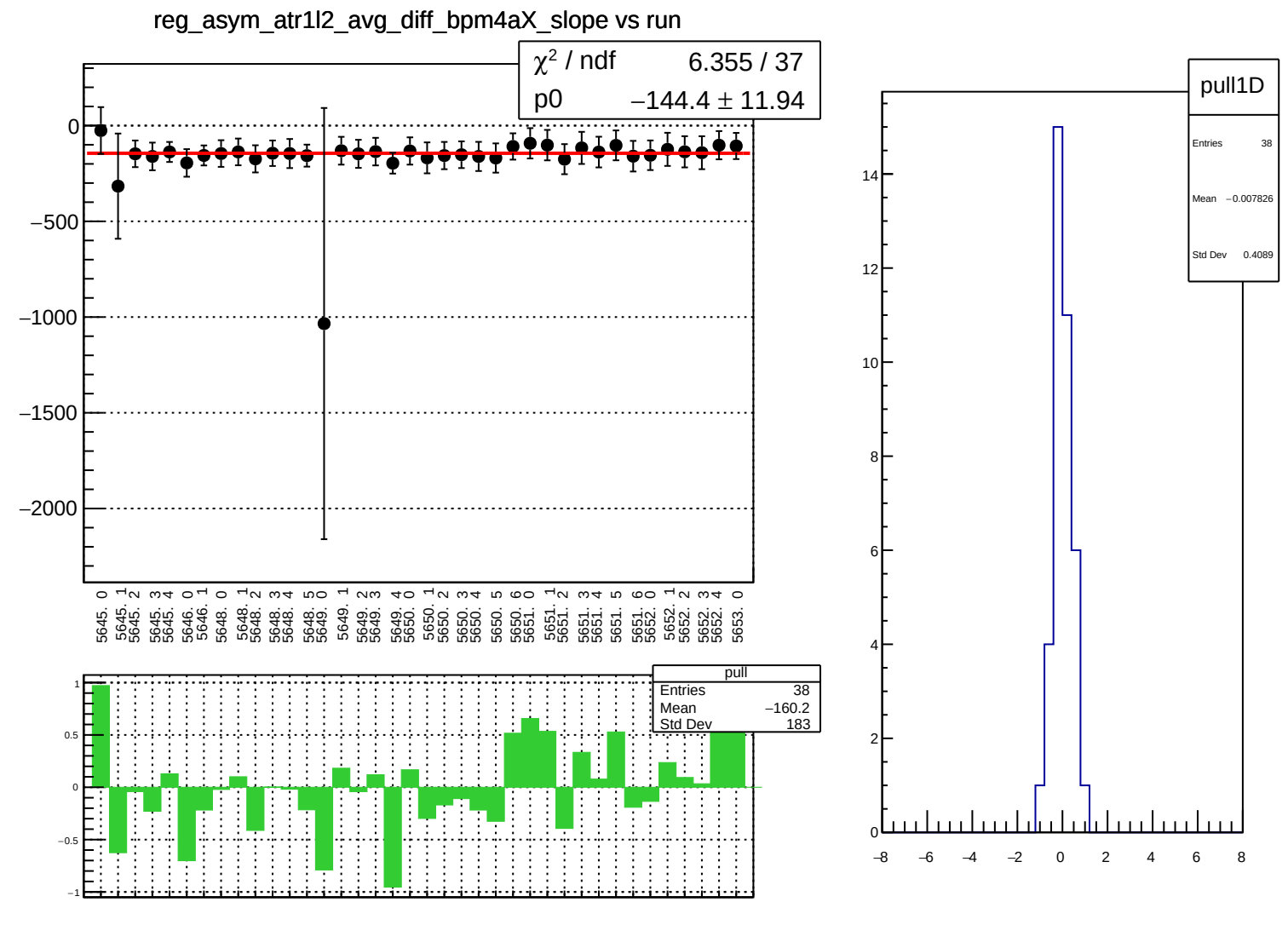

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.81 / 37
p0 −126.7 ± 9.926
pull
Entries 38
Mean 164.6
Std Dev 147.5

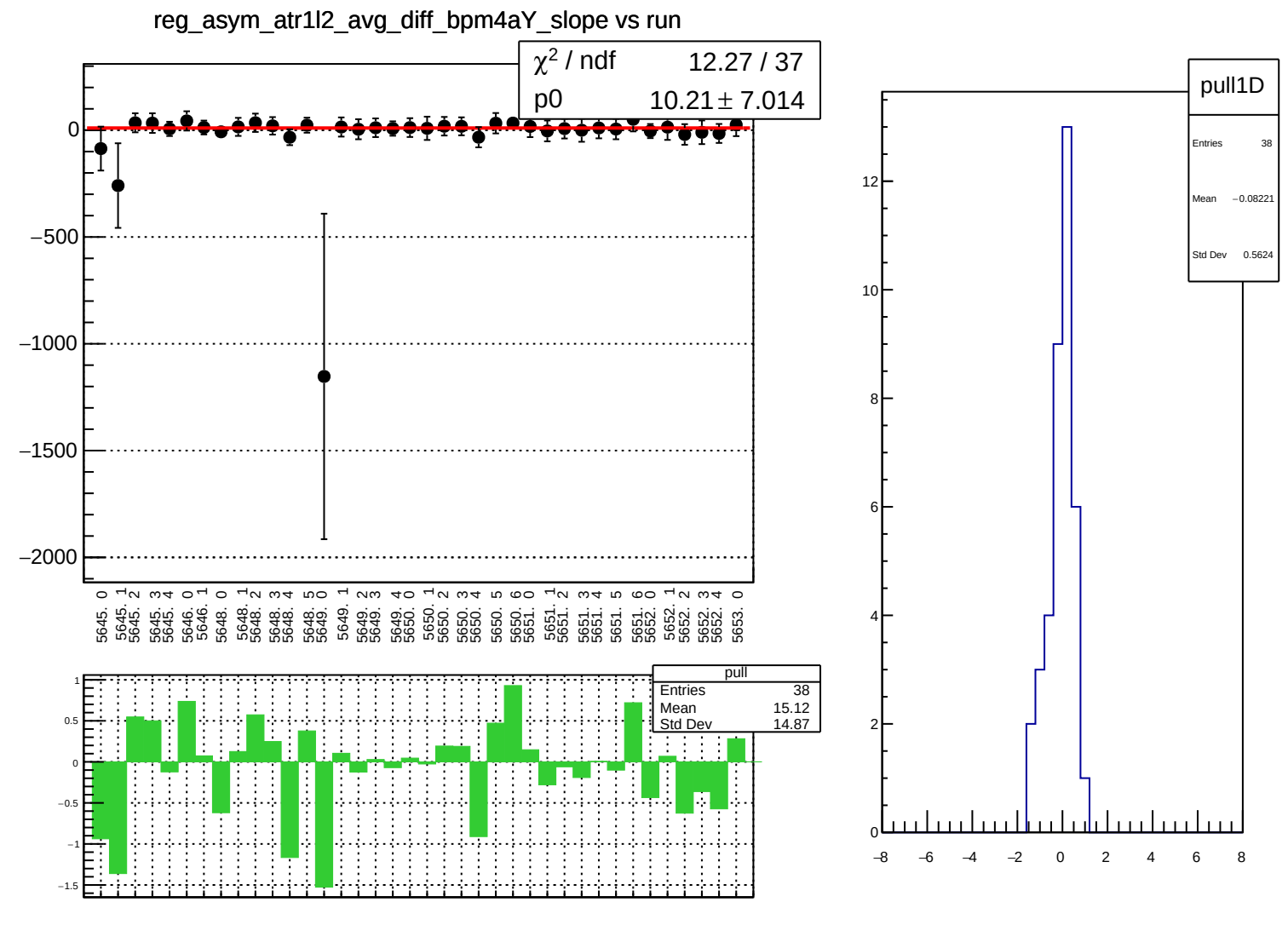

pull1D
Entries 38
Mean 0.01479
Std Dev 0.5803

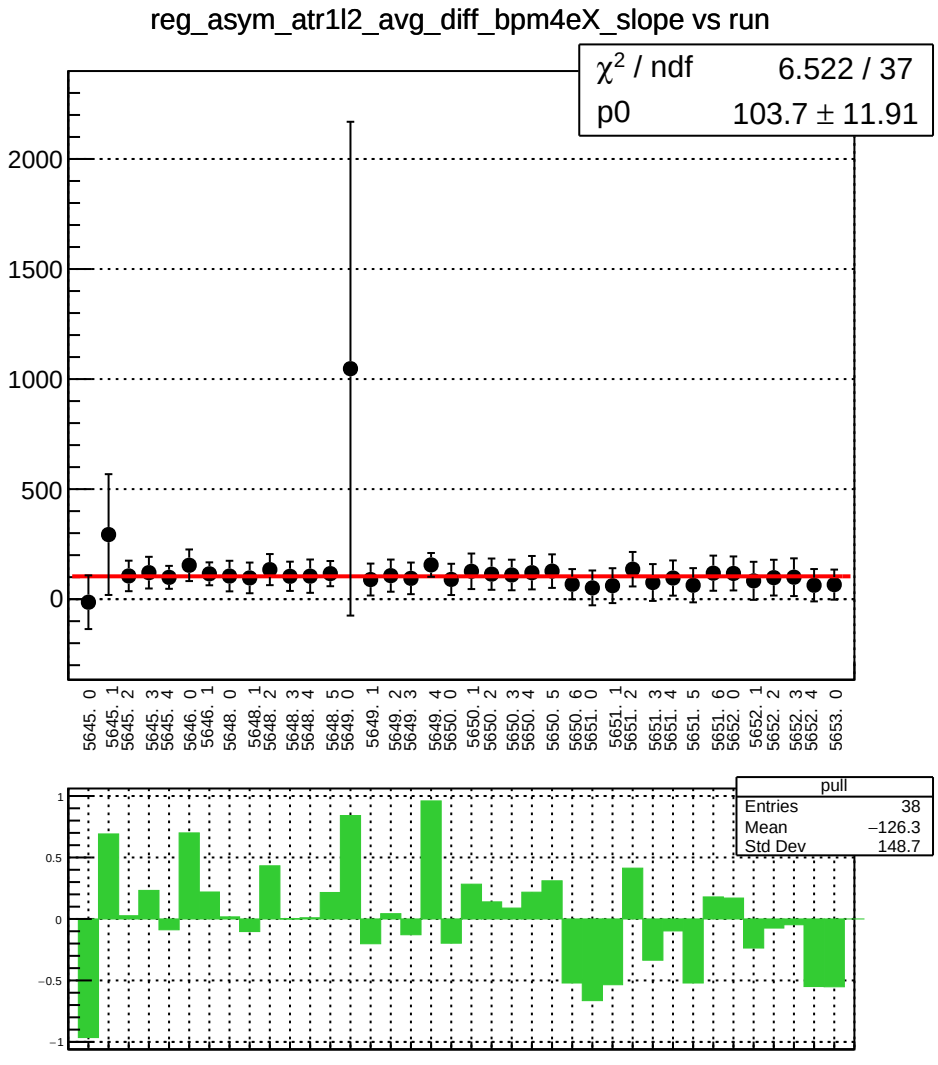

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.24 / 37
p0 −55.57 ± 7.417
100
50
0
−50
−100
−150
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 2.828
Std Dev 5.391
1
0.5
0
−0.5
−1
−1.5

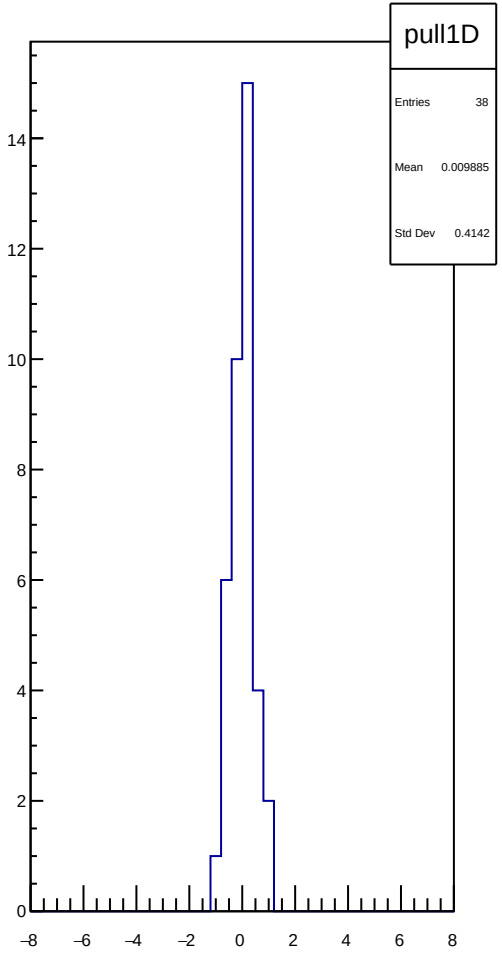

pull1D
Entries 38
Mean 0.05663
Std Dev 0.6308
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

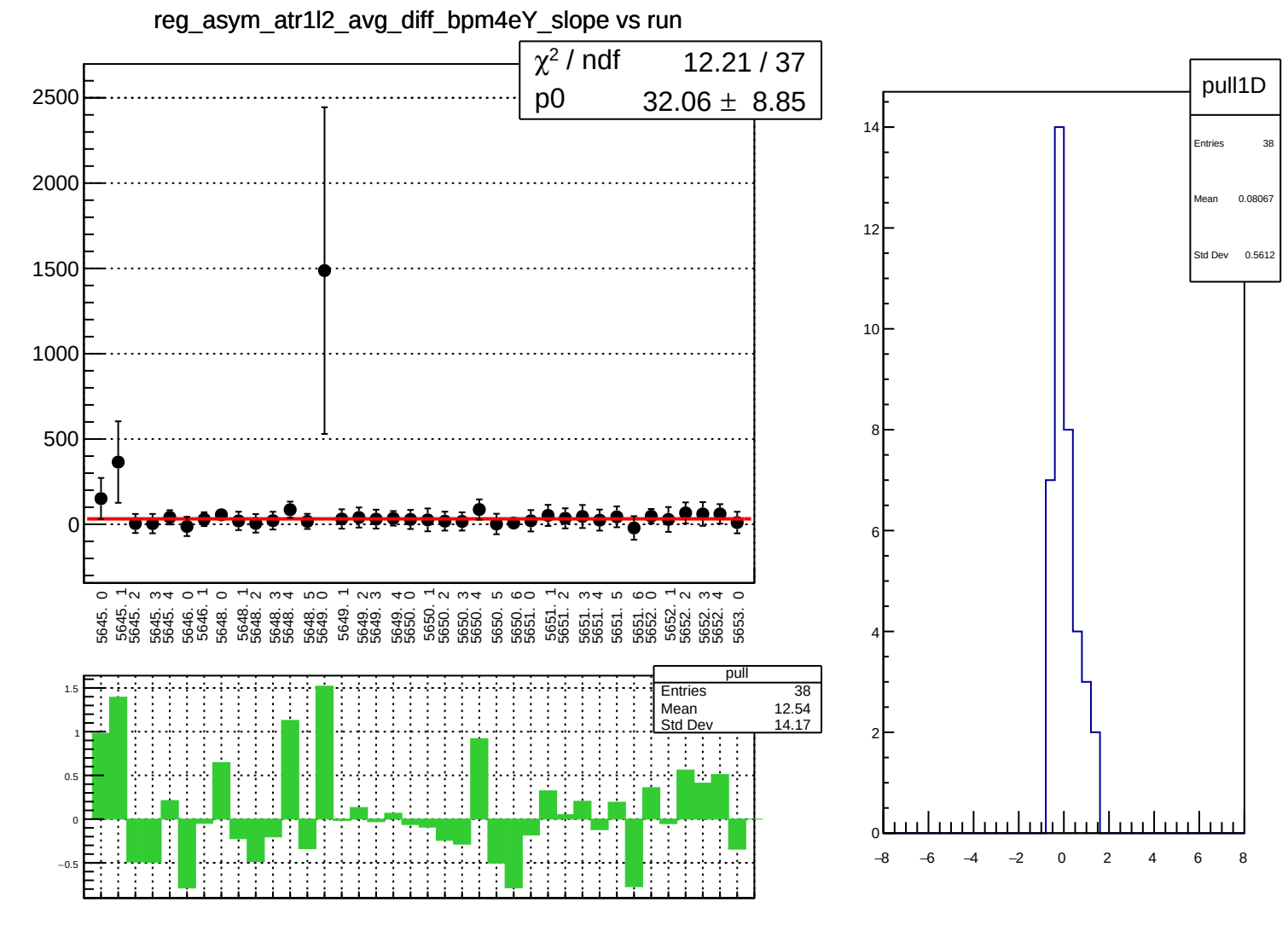

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 33.69 / 37
p0 79.96 ± 0.2257
84
82
80
78
76
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −388.7
Std Dev 408.9
1
0
−1
−2
−3
pull1D
Entries 38
Mean 0.009946
Std Dev 0.9415
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

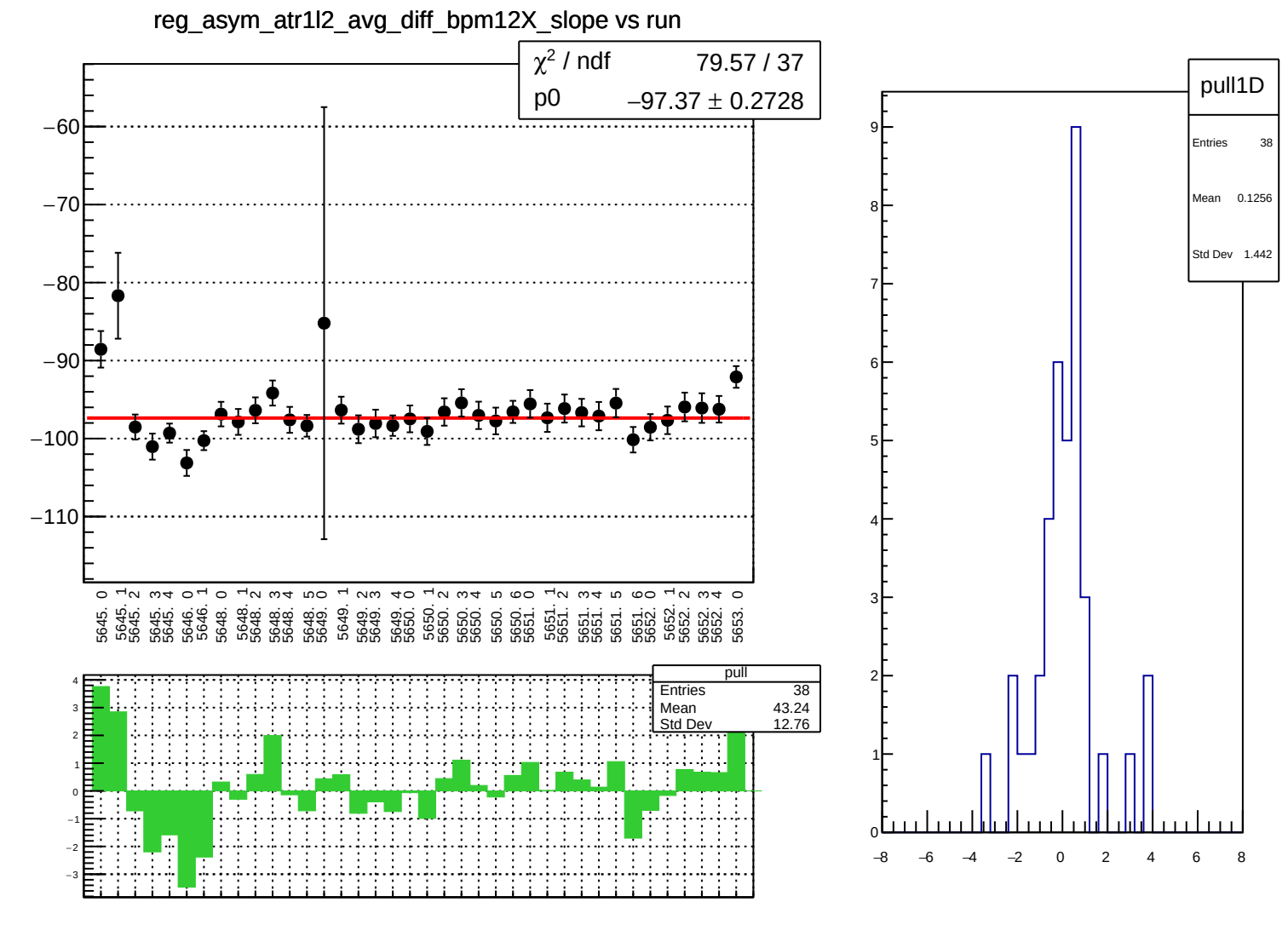

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.355 / 37
p0 −144.4 ± 11.94
0
−500
−1000
−1500
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −160.2
Std Dev 183
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean −0.007826
Std Dev 0.4089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

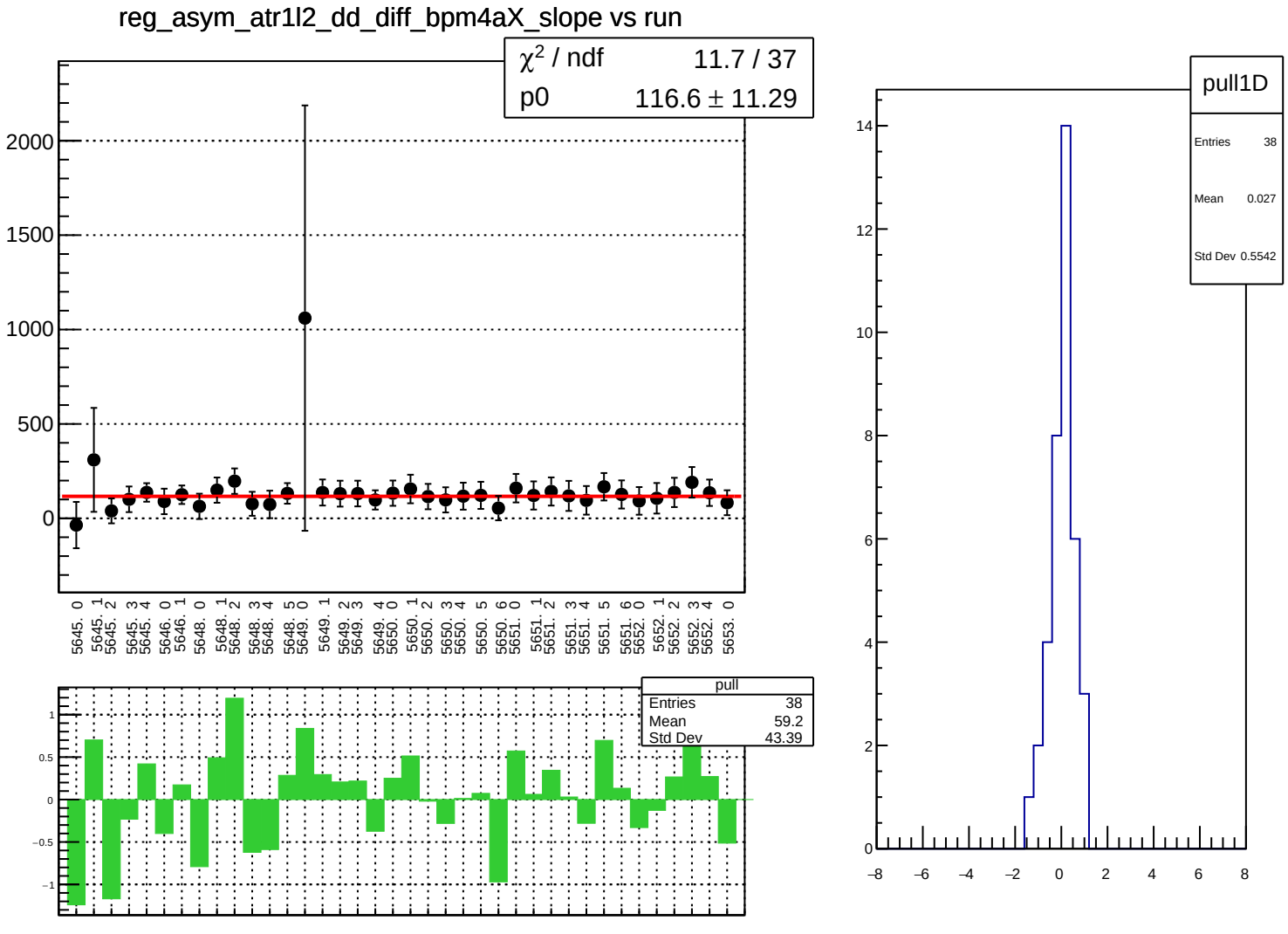

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.27 / 37
p0 10.21 ± 7.014
0
−500
−1000
−1500
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 15.12
Std Dev 14.87
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean −0.08221
Std Dev 0.5624
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

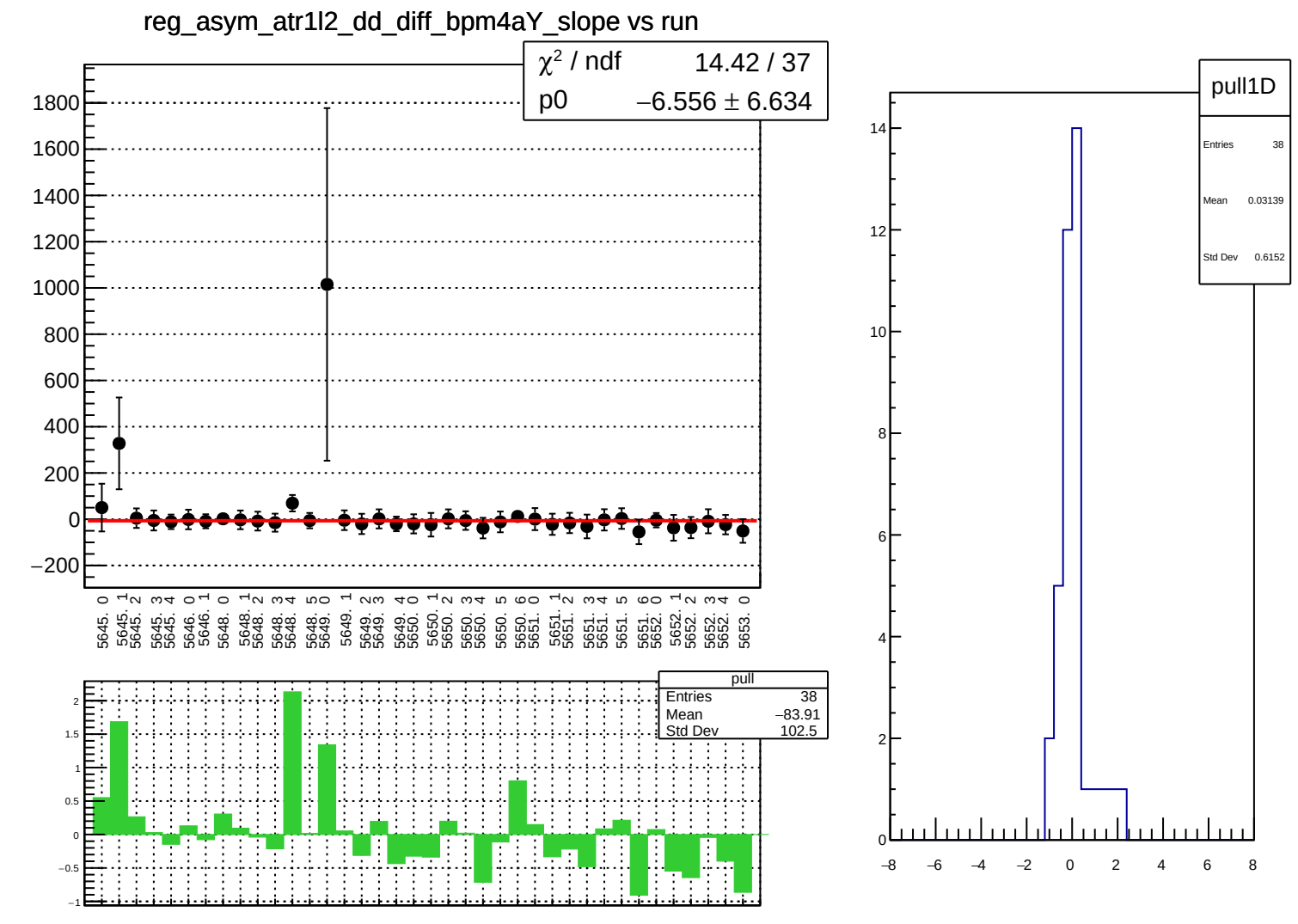

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.522 / 37
p0 103.7 ± 11.91
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −126.3
Std Dev 148.7
1
0.5
0
−0.5
−1

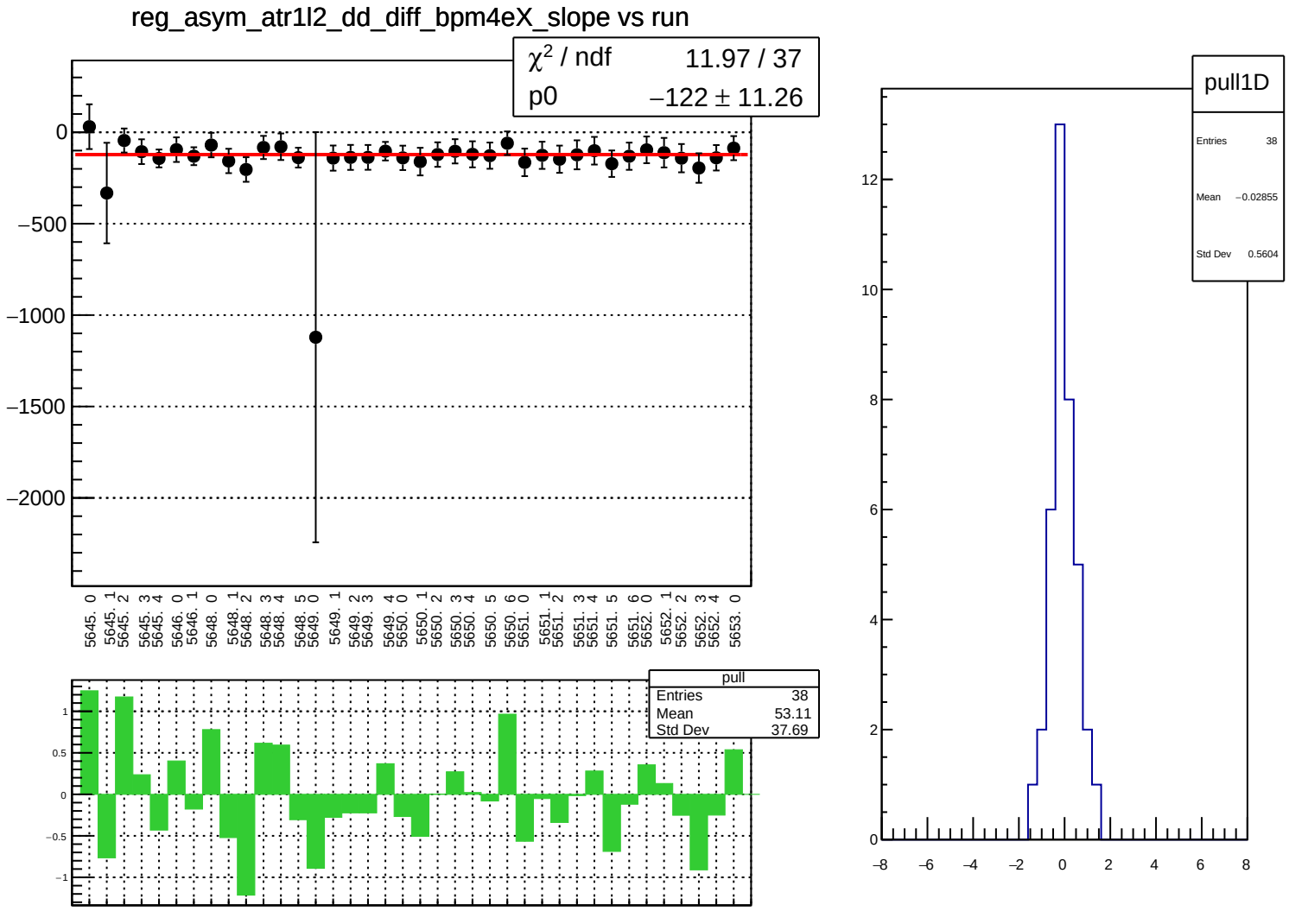

pull1D
Entries 38
Mean 0.009885
Std Dev 0.4142
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

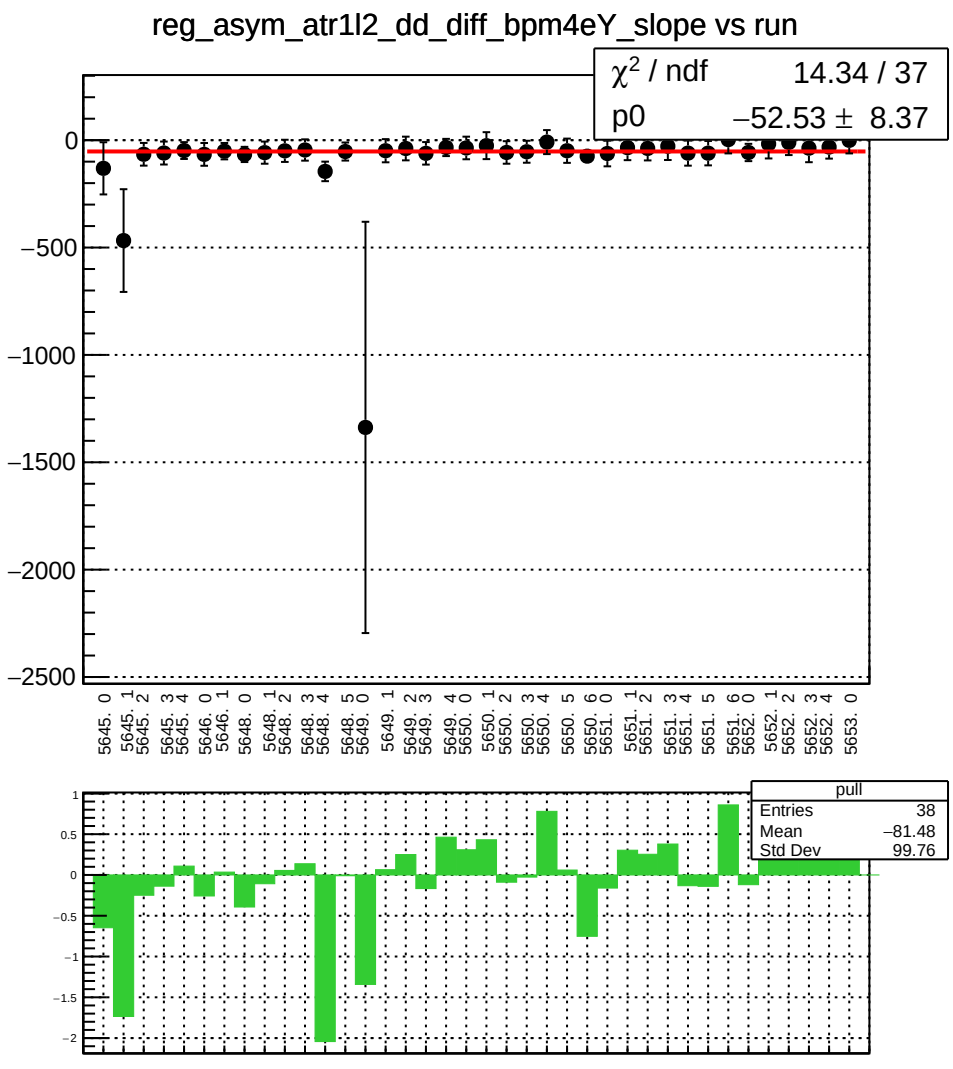

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.21 / 37
p0 32.06 ± 8.85
2500
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 12.54
Std Dev 14.17
1.5
1
0.5
0
−0.5
pull1D
Entries 38
Mean 0.08067
Std Dev 0.5612
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

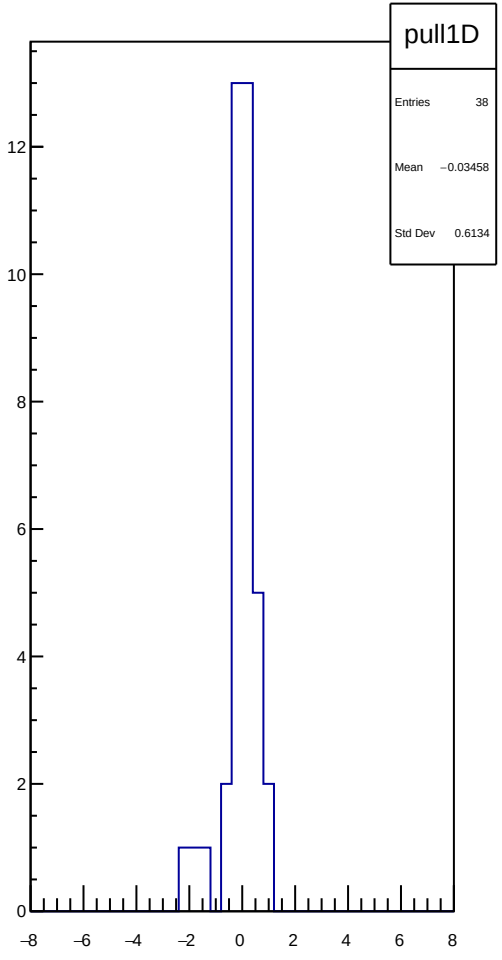

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 79.57 / 37
p0 −97.37 ± 0.2728
−60
−70
−80
−90
−100
−110
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 43.24
Std Dev 12.76
pull1D
Entries 38
Mean 0.1256
Std Dev 1.442

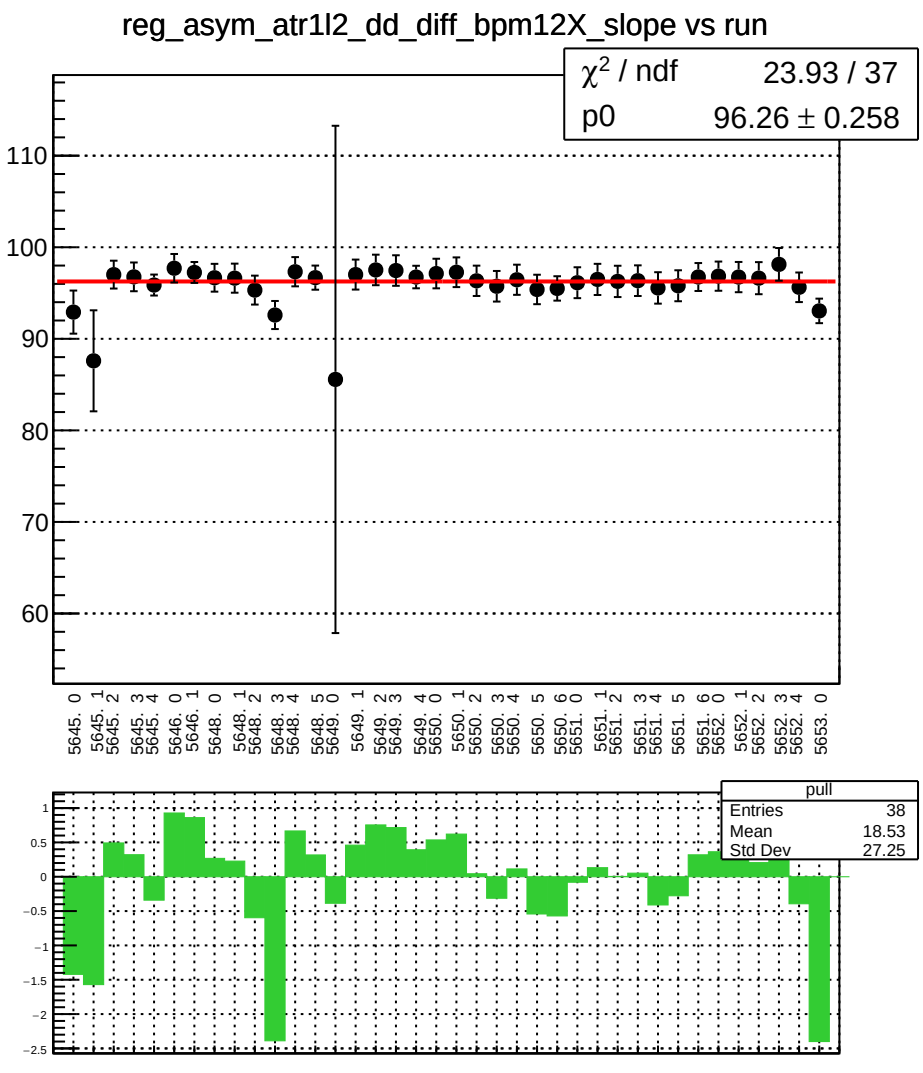

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.7 / 37
p0 116.6 ± 11.29
2000
1500
1000
500
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 59.2
Std Dev 43.39
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean 0.027
Std Dev 0.5542
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

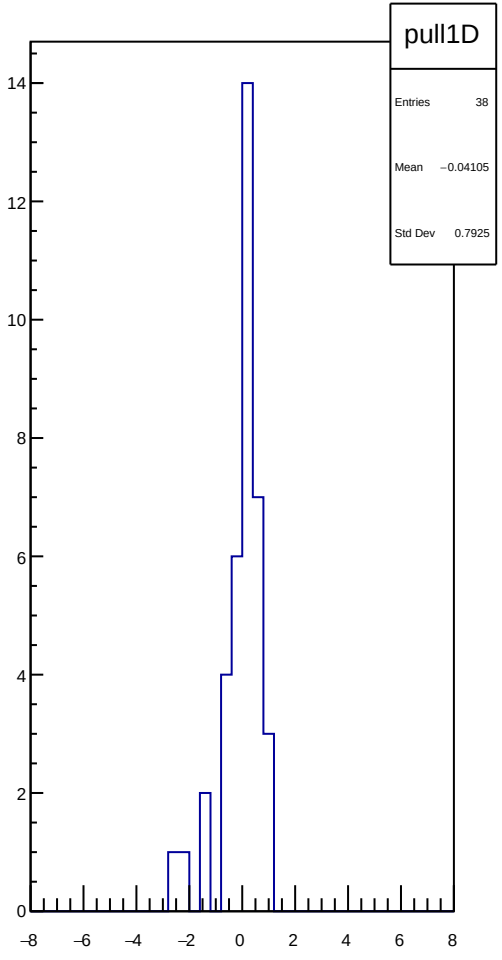

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.42 / 37
p0 −6.556 ± 6.634
pull
Entries 38
Mean −83.91
Std Dev 102.5
pull1D
Entries 38
Mean 0.03139
Std Dev 0.6152

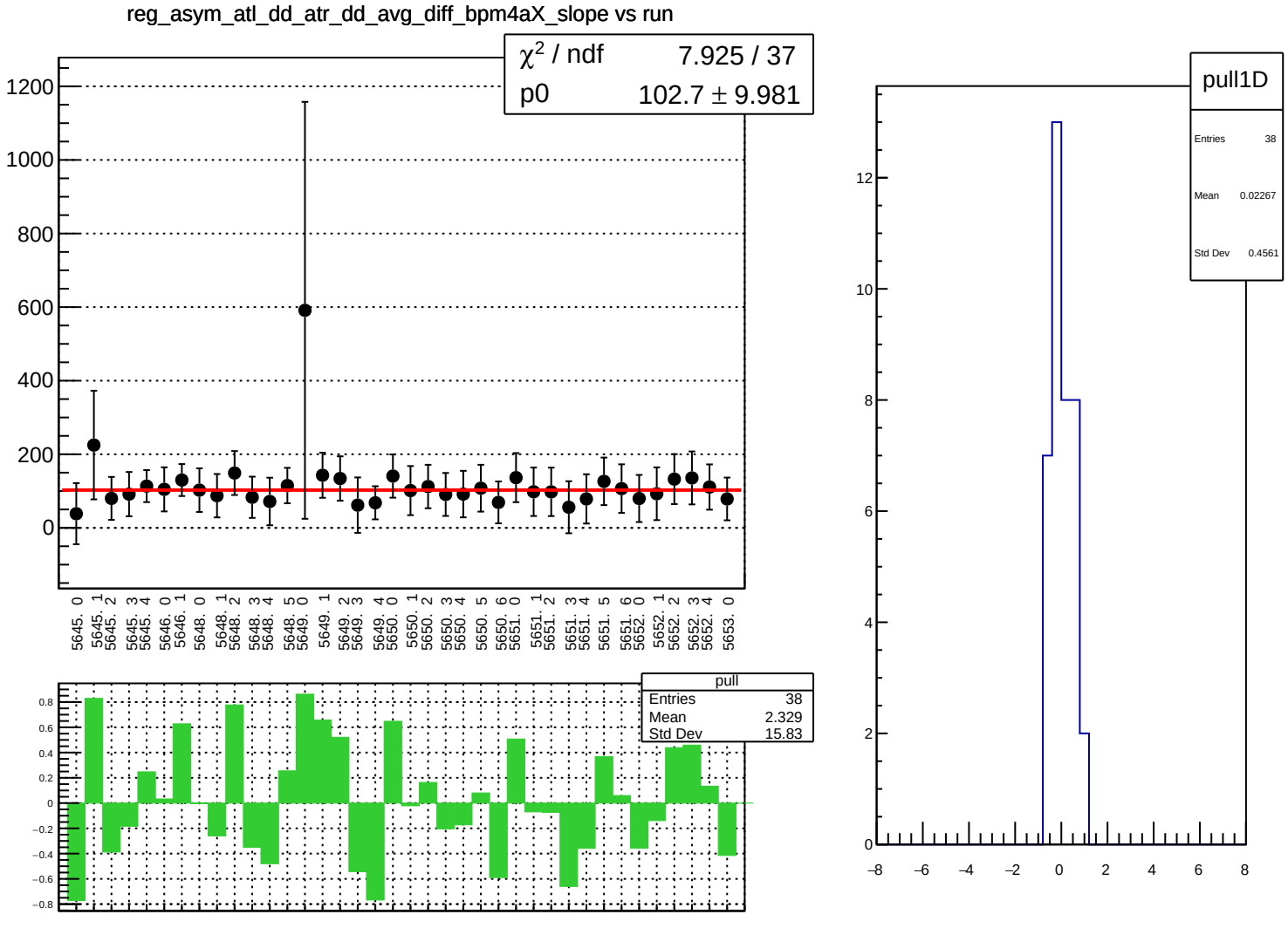

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.97 / 37
p0 −122 ± 11.26
0
−500
−1000
−1500
−2000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 53.11
Std Dev 37.69
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean −0.02855
Std Dev 0.5604
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

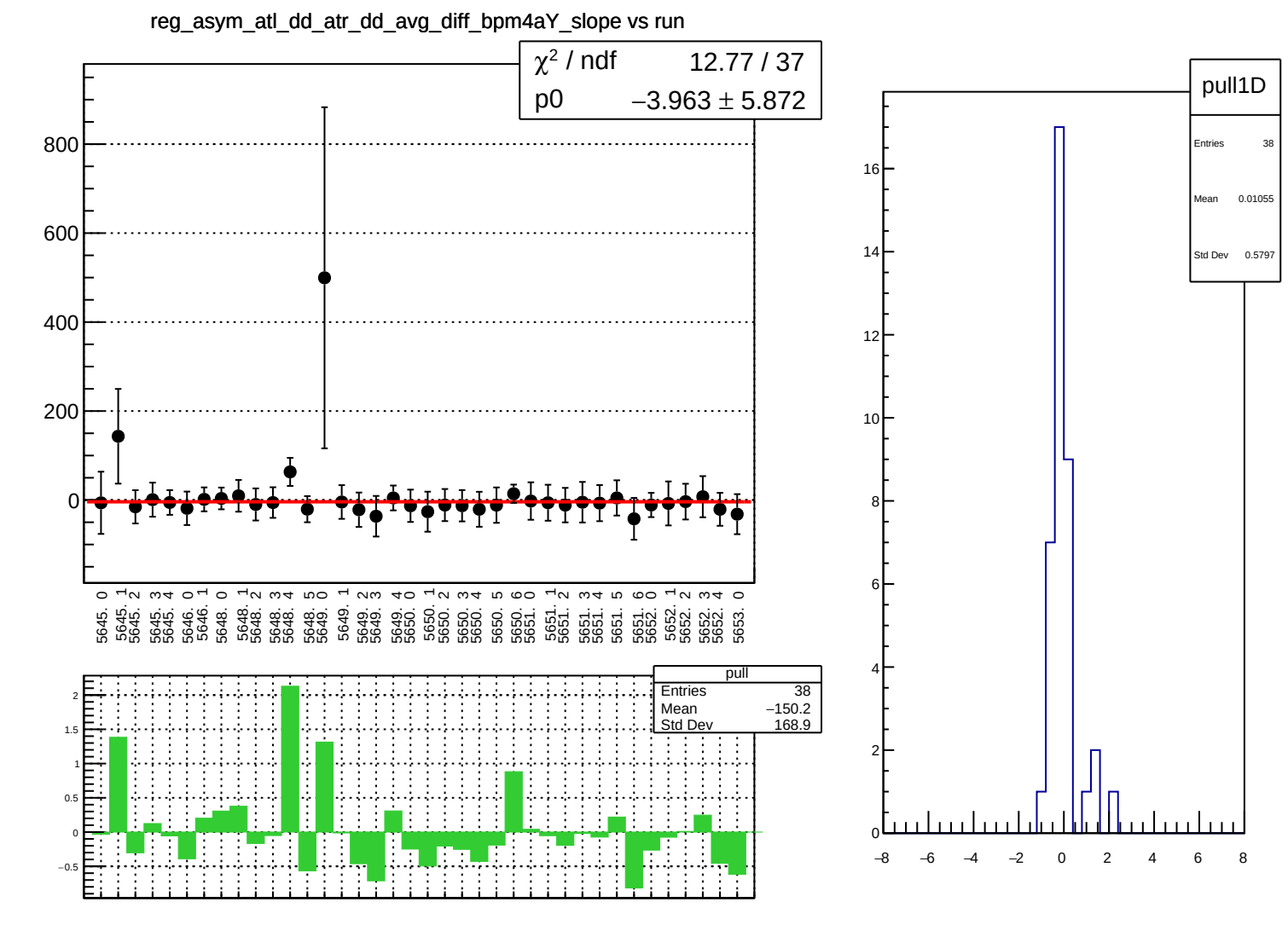

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.34 / 37
p0 −52.53 ± 8.37
0
−500
−1000
−1500
−2000
−2500
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −81.48
Std Dev 99.76
1
0.5
0
−0.5
−1
−1.5
−2

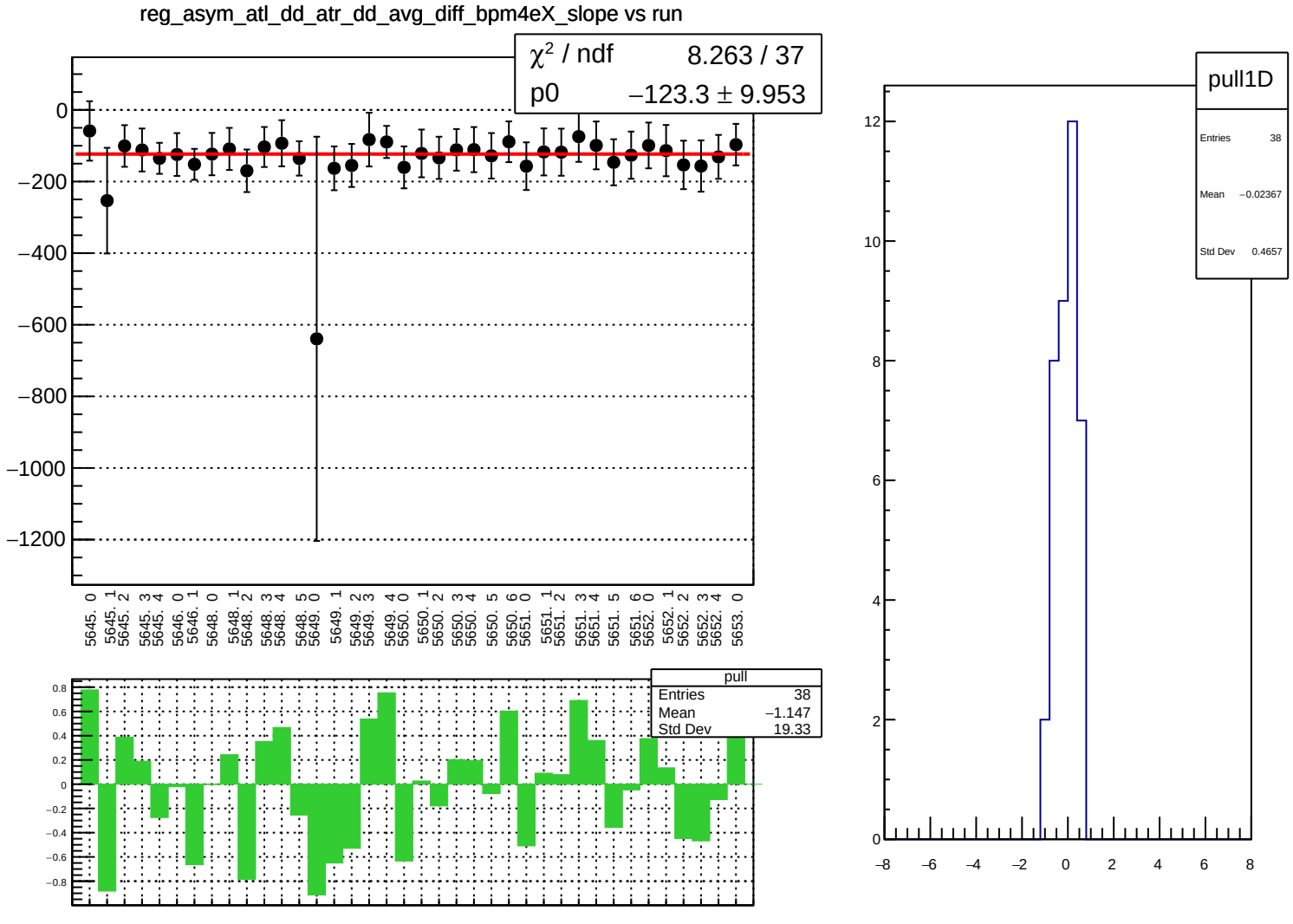

pull1D
Entries 38
Mean −0.03458
Std Dev 0.6134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

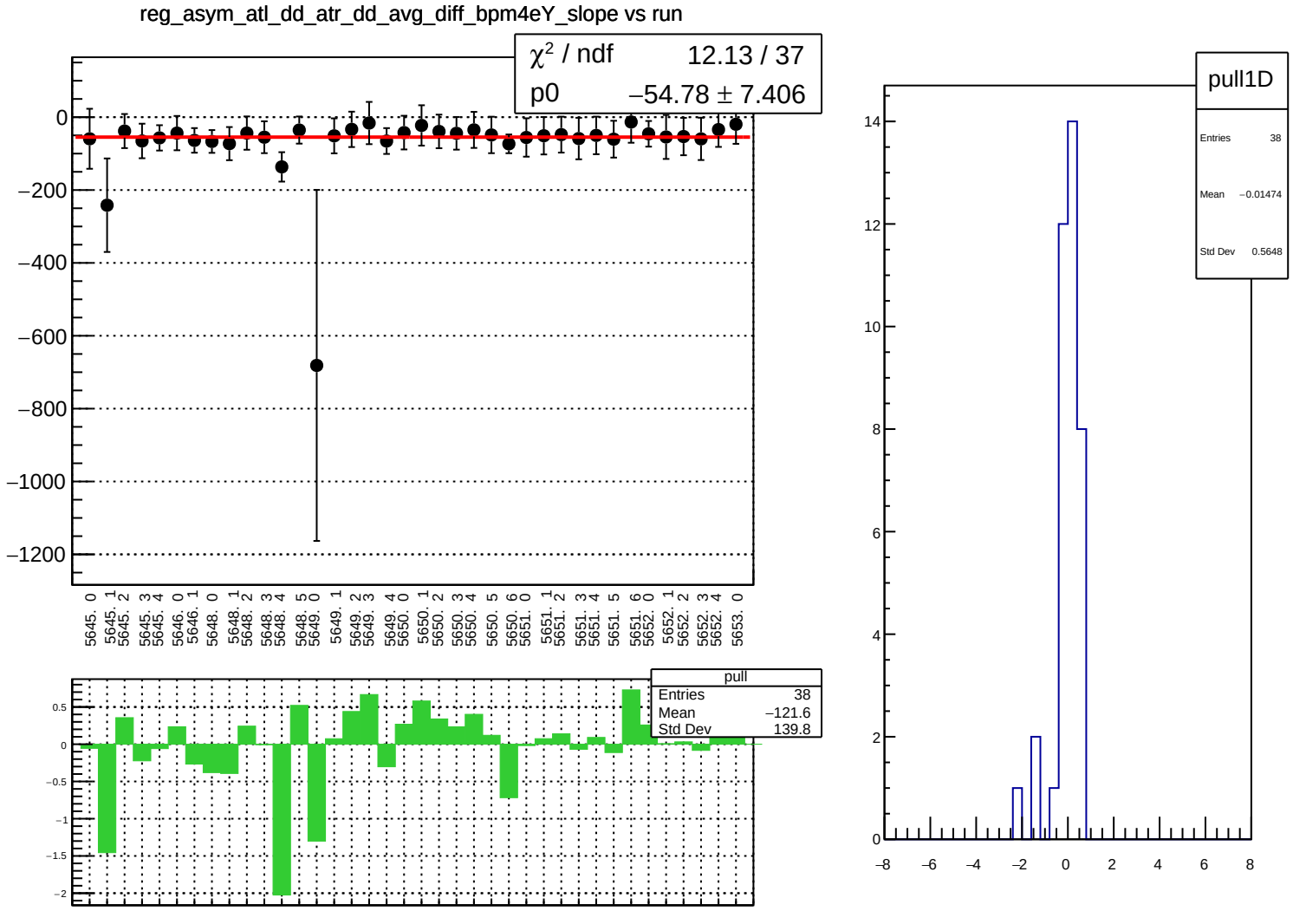

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 23.93 / 37
p0 96.26 ± 0.258
110
100
90
80
70
60
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 18.53
Std Dev 27.25
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

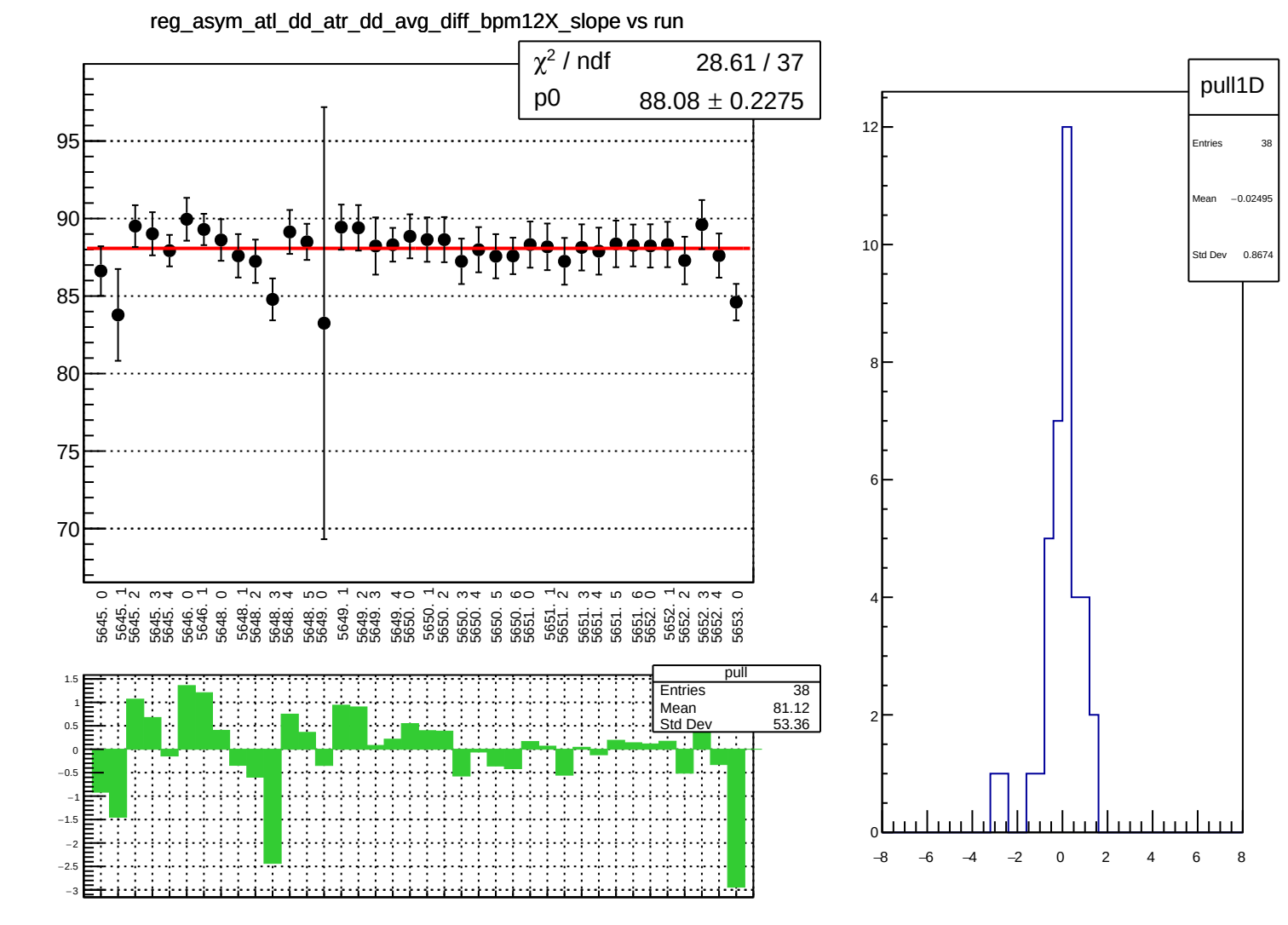

pull1D
Entries 38
Mean −0.04105
Std Dev 0.7925
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

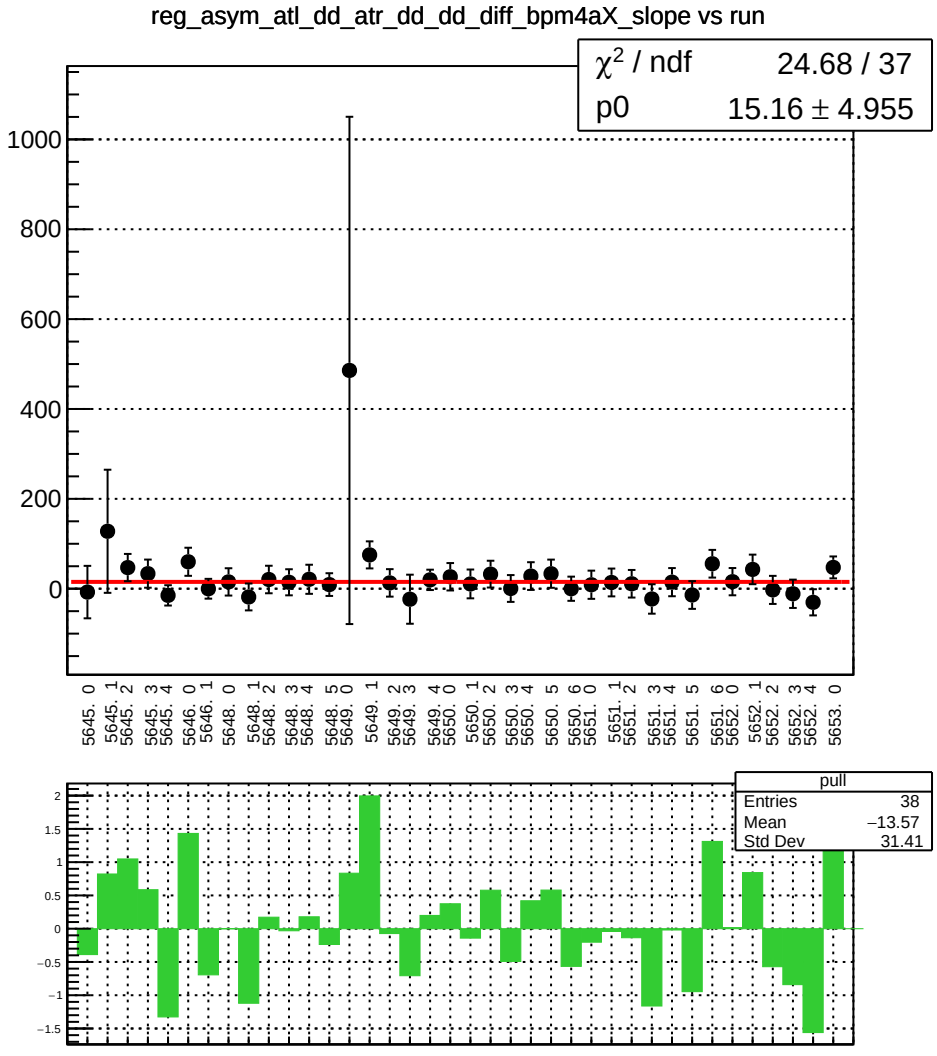

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.925 / 37
p0 102.7 ± 9.981
1200
1000
800
600
400
200
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 2.329
Std Dev 15.83
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 38
Mean 0.02267
Std Dev 0.4561
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

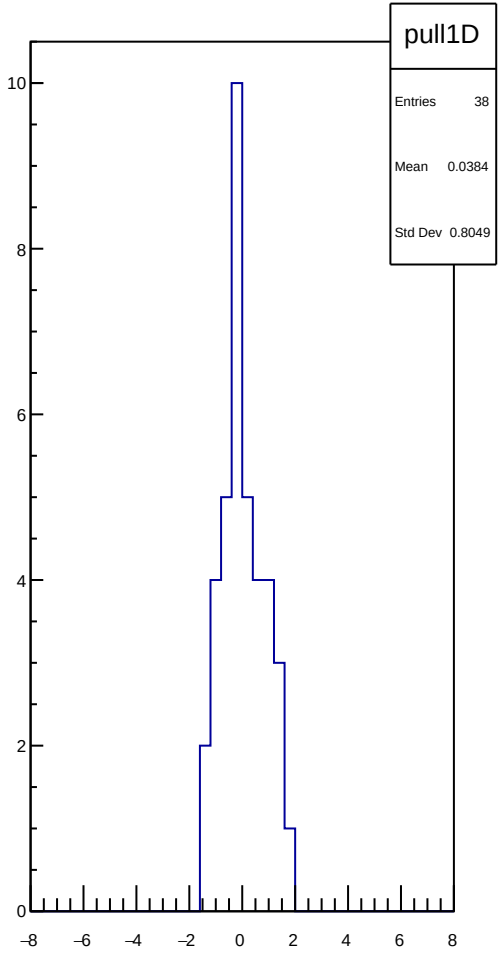

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.77 / 37
p0 −3.963 ± 5.872
800
600
400
200
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
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5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −150.2
Std Dev 168.9
2
1.5
1
0.5
0
−0.5
pull1D
Entries 38
Mean 0.01055
Std Dev 0.5797
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

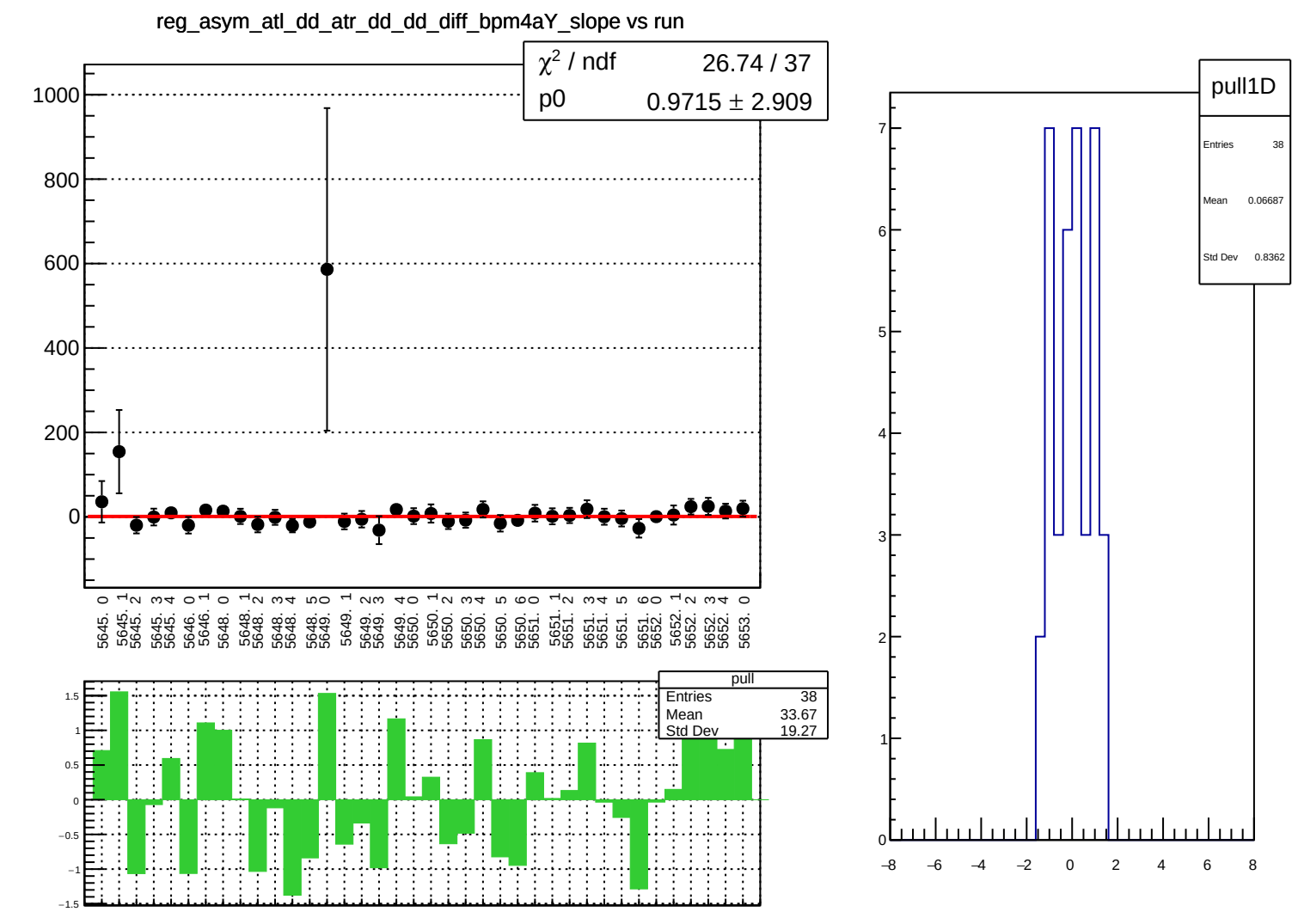

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.263 / 37
p0 −123.3 ± 9.953
0
−200
−400
−600
−800
−1000
−1200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −1.147
Std Dev 19.33
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 38
Mean −0.02367
Std Dev 0.4657
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

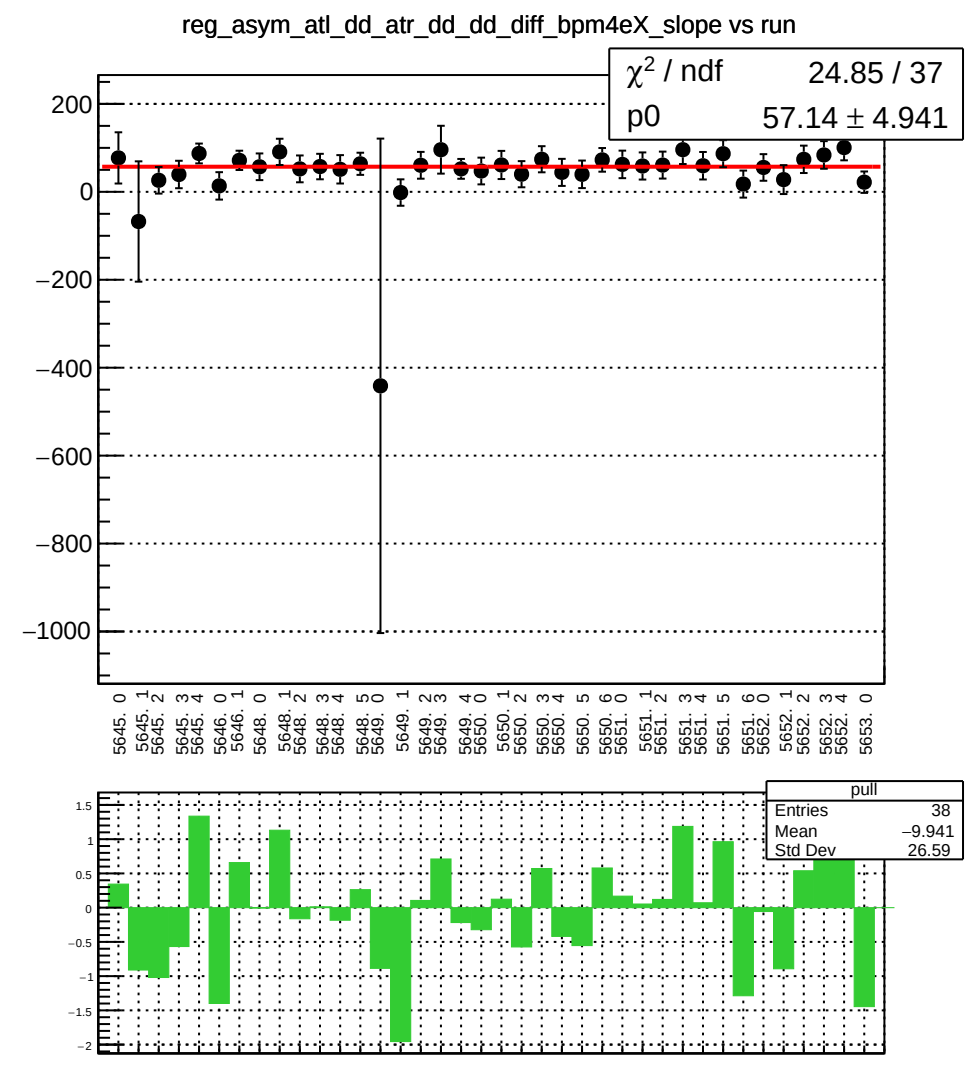

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.13 / 37
p0 −54.78 ± 7.406
0
−200
−400
−600
−800
−1000
−1200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
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5650. 5
5650. 6
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5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −121.6
Std Dev 139.8
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 38
Mean −0.01474
Std Dev 0.5648
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

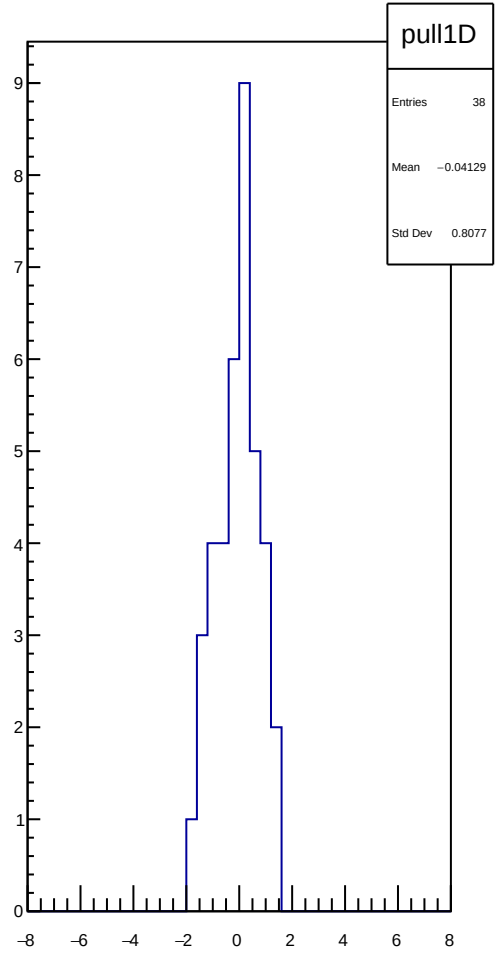

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 28.61 / 37
p0 88.08 ± 0.2275
95
90
85
80
75
70
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 81.12
Std Dev 53.36
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 38
Mean −0.02495
Std Dev 0.8674
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

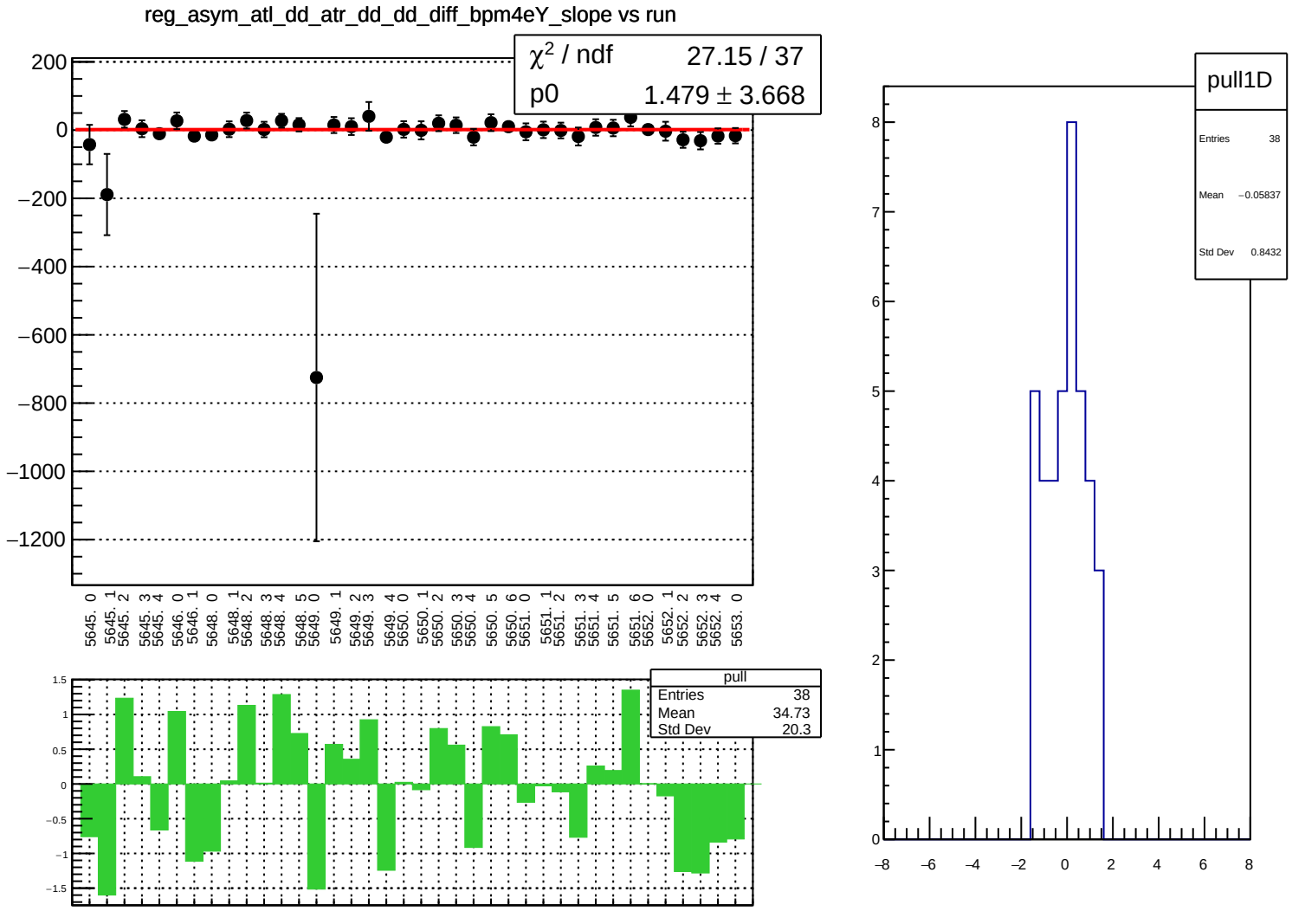

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.68 / 37
p0 15.16 ± 4.955
1000
800
600
400
200
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −13.57
Std Dev 31.41
2
1.5
1
0.5
0
−0.5
−1
−1.5

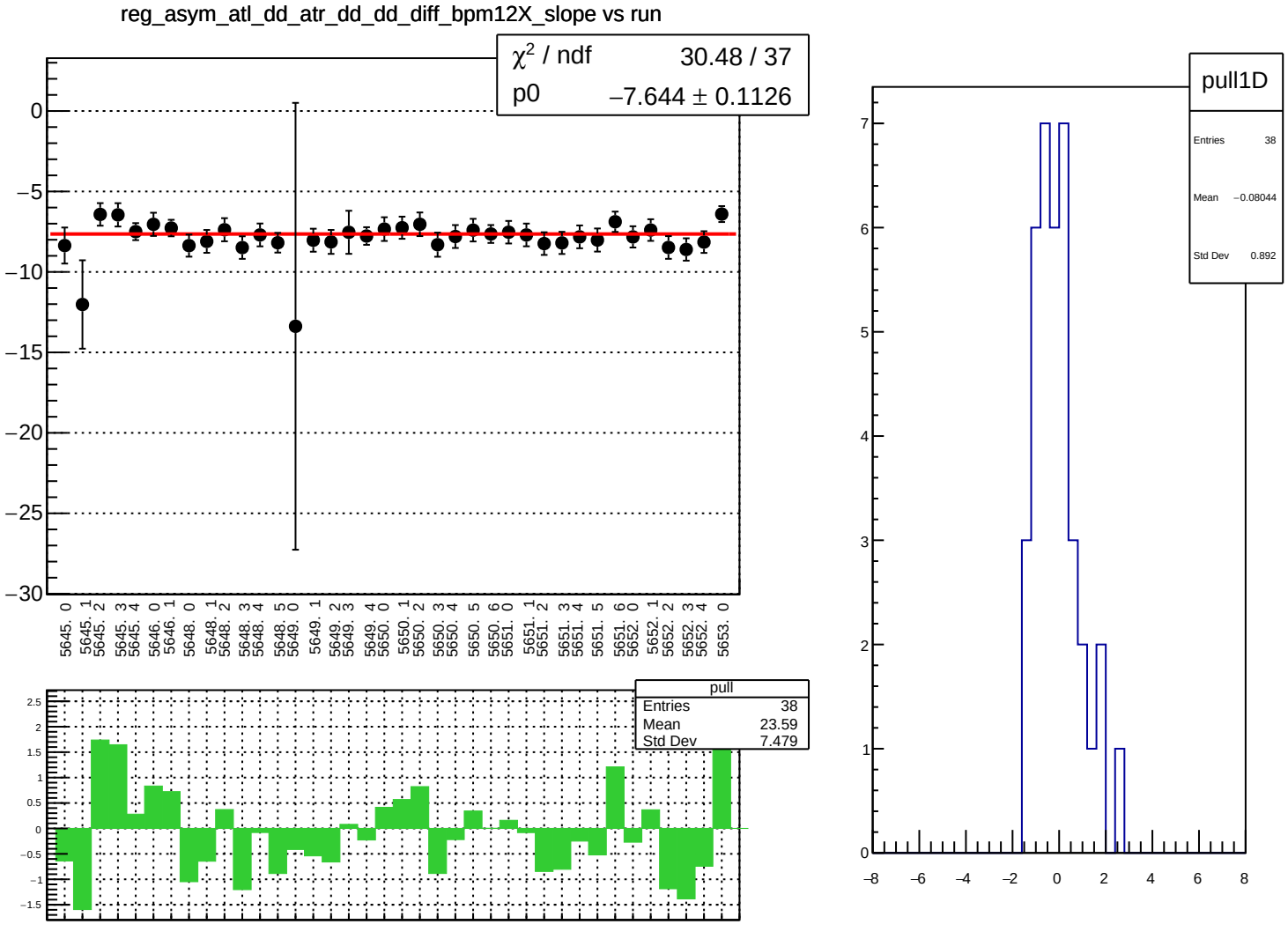

pull1D
Entries 38
Mean 0.0384
Std Dev 0.8049
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

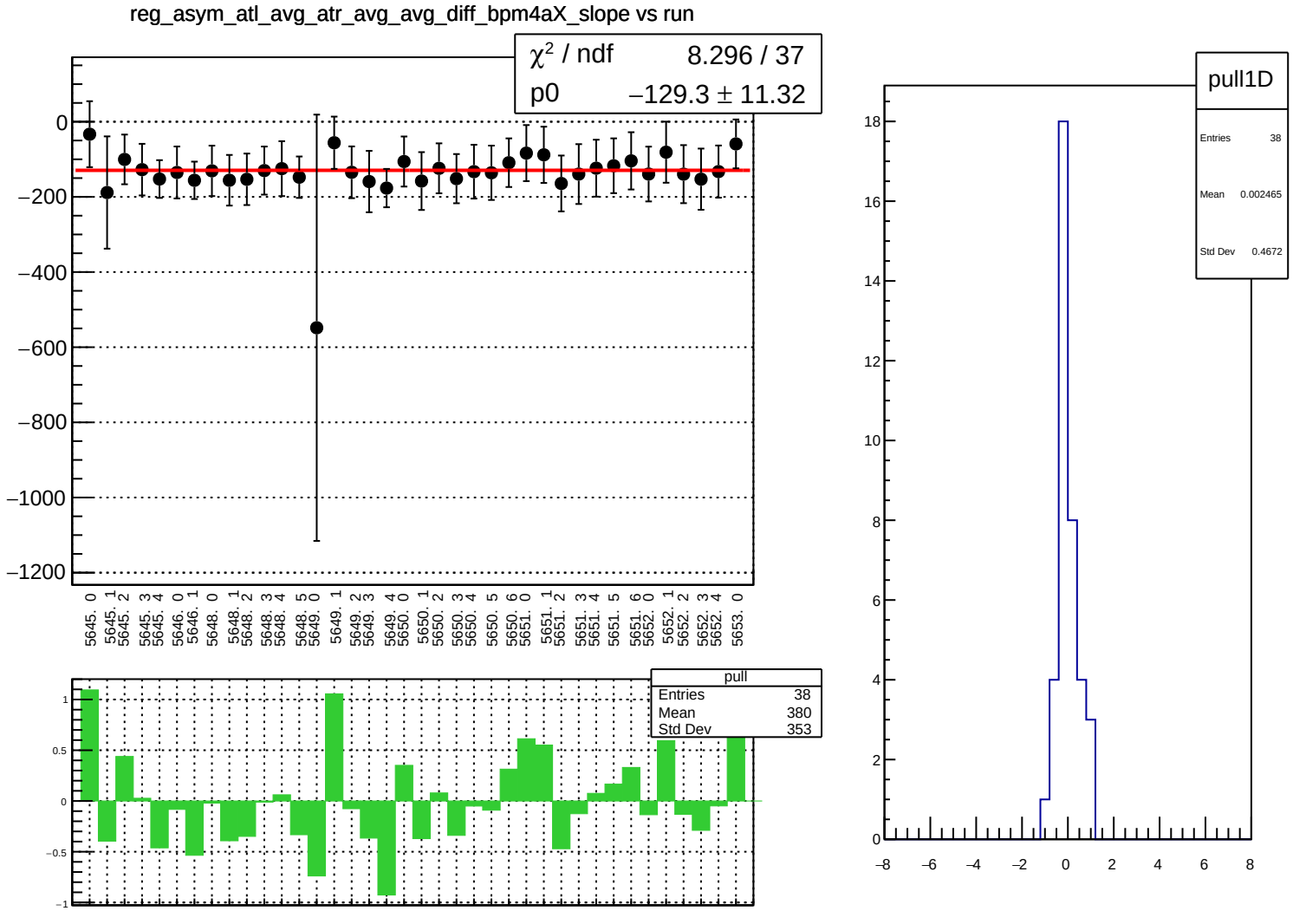

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.74 / 37
p0 0.9715 ± 2.909
1000
800
600
400
200
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 33.67
Std Dev 19.27
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean 0.06687
Std Dev 0.8362
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

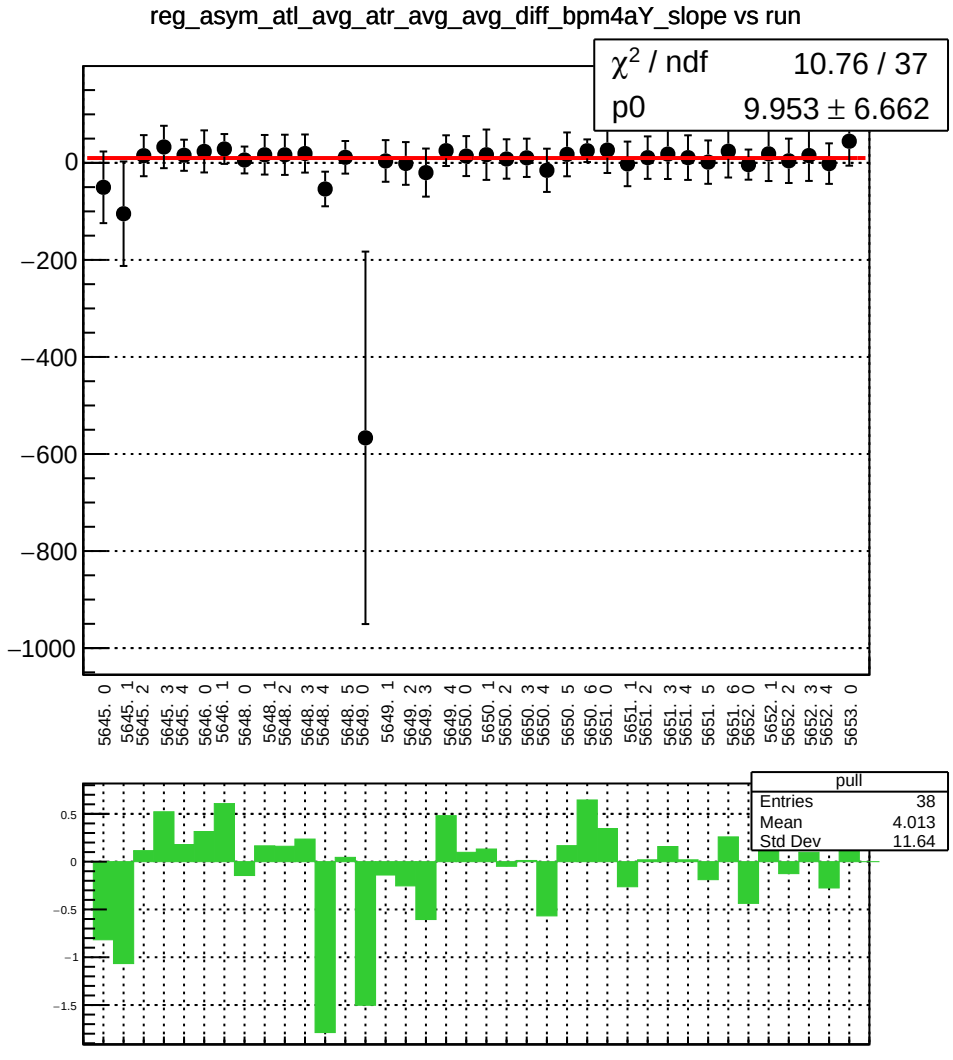

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.85 / 37
p0 57.14 ± 4.941
pull
Entries 38
Mean −9.941
Std Dev 26.59

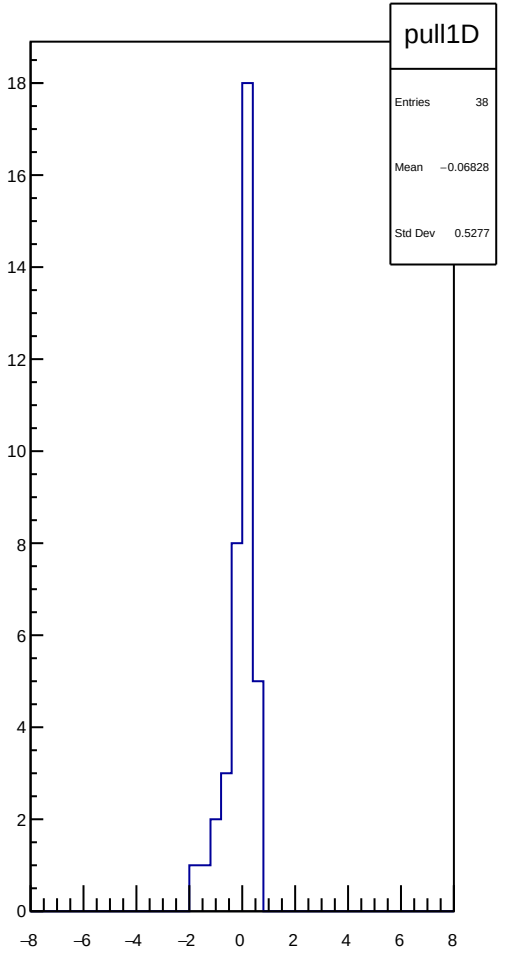

pull1D
Entries 38
Mean −0.04129
Std Dev 0.8077

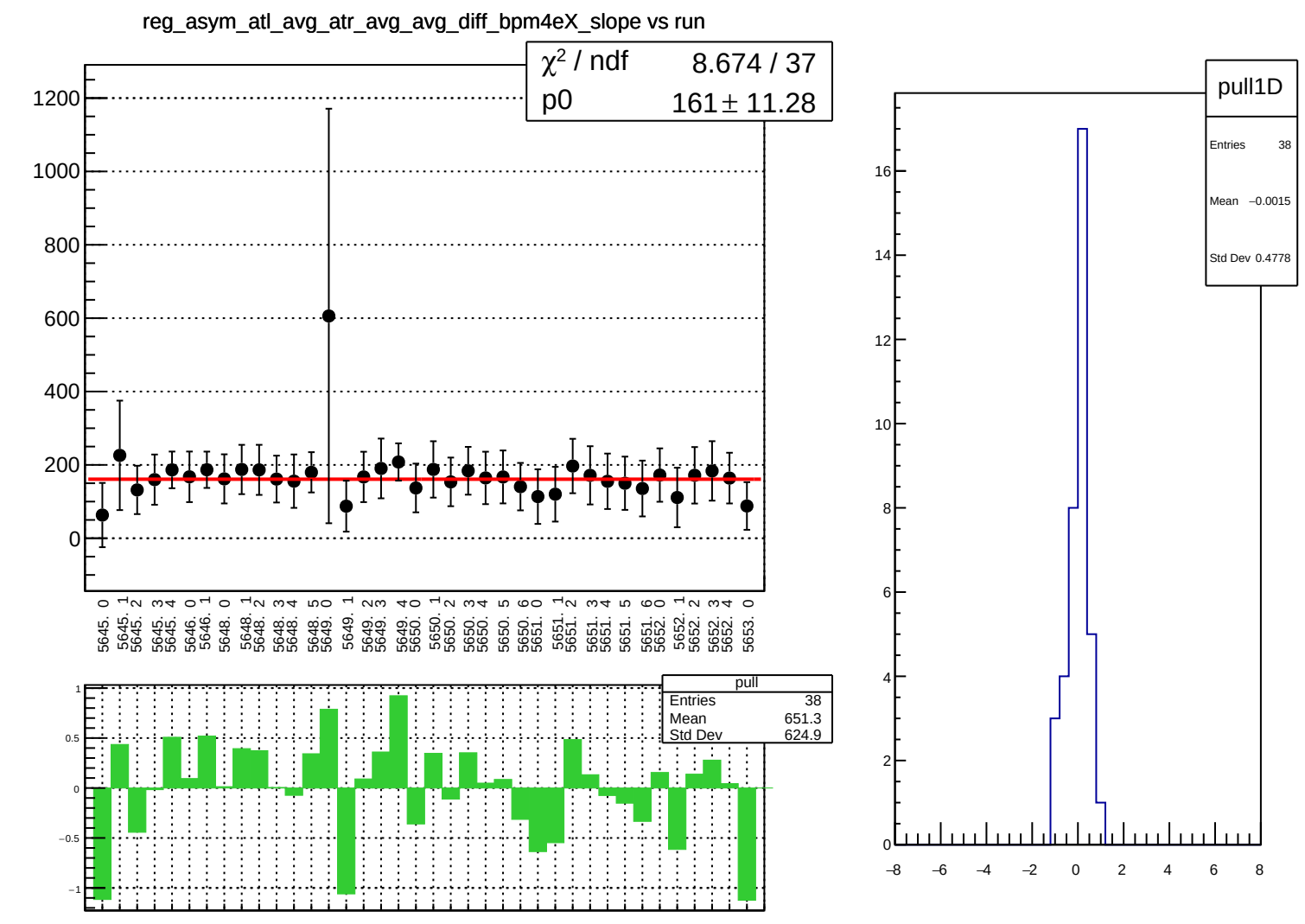

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.15 / 37
p0 1.479 ± 3.668
200
0
−200
−400
−600
−800
−1000
−1200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 34.73
Std Dev 20.3
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 38
Mean −0.05837
Std Dev 0.8432
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

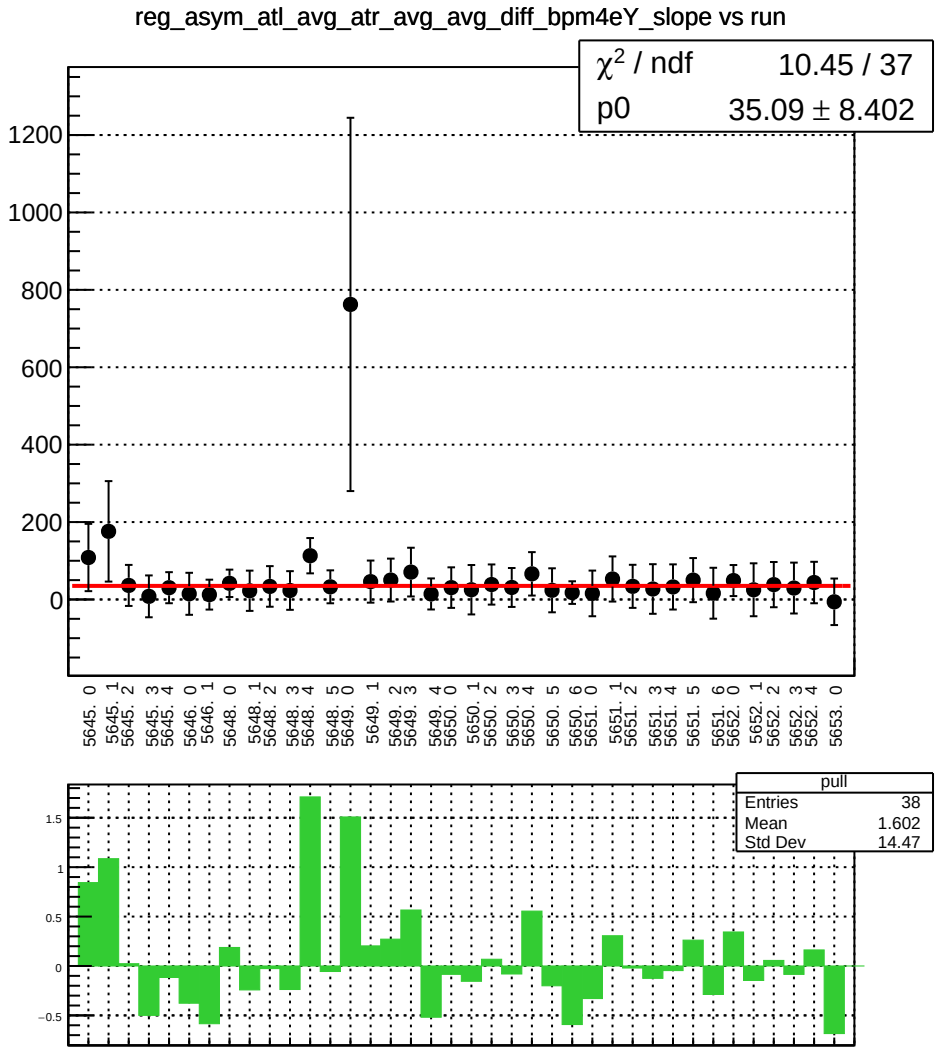

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 30.48 / 37
p0 −7.644 ± 0.1126
pull
Entries 38
Mean 23.59
Std Dev 7.479
pull1D
Entries 38
Mean −0.08044
Std Dev 0.892

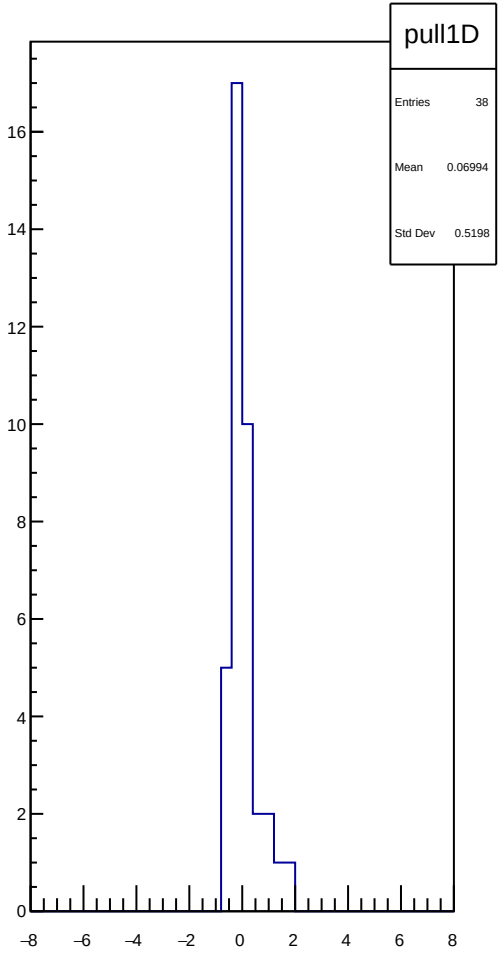

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.296 / 37
p0 −129.3 ± 11.32
0
−200
−400
−600
−800
−1000
−1200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 380
Std Dev 353
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean 0.002465
Std Dev 0.4672
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

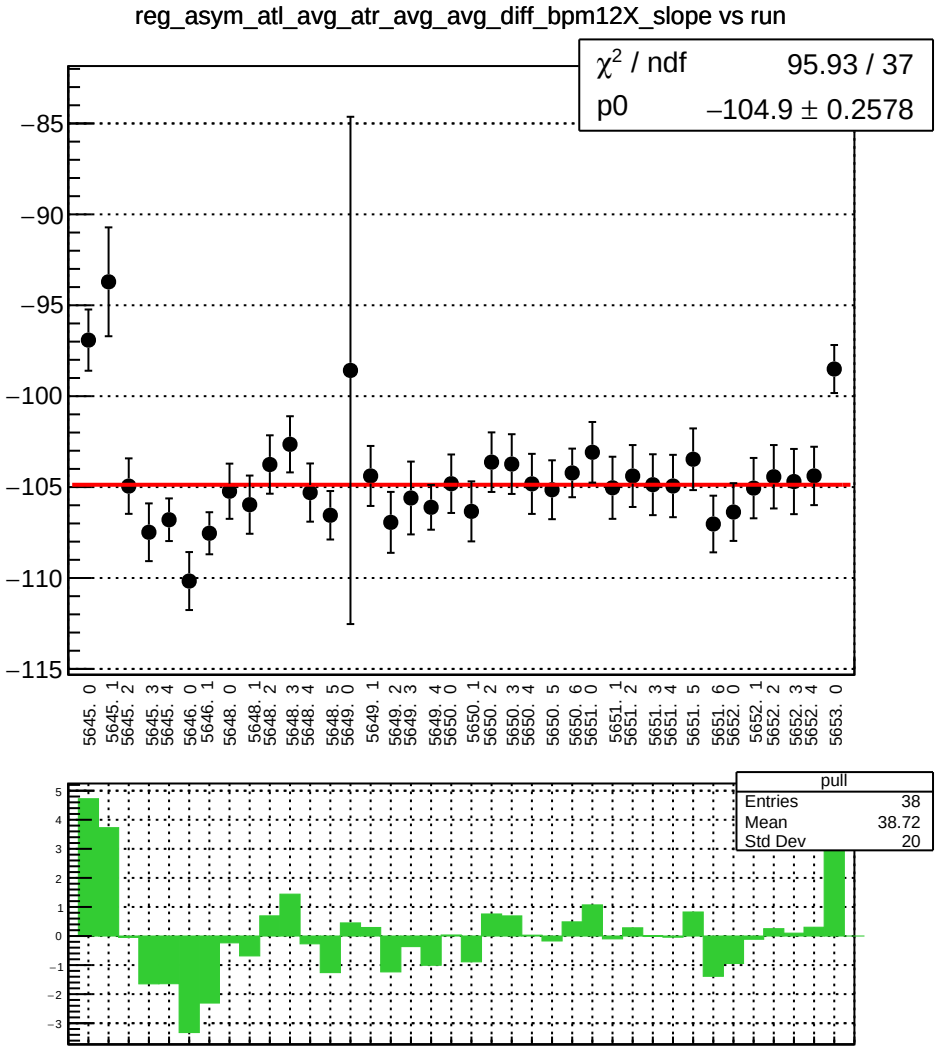

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.76 / 37
p0 9.953 ± 6.662
0
−200
−400
−600
−800
−1000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 4.013
Std Dev 11.64
0.5
0
−0.5
−1
−1.5

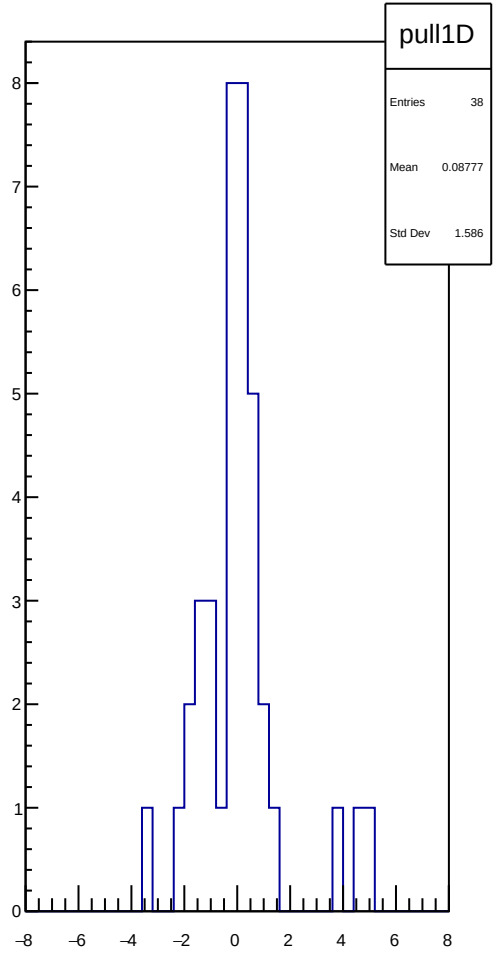

pull1D
Entries 38
Mean −0.06828
Std Dev 0.5277
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

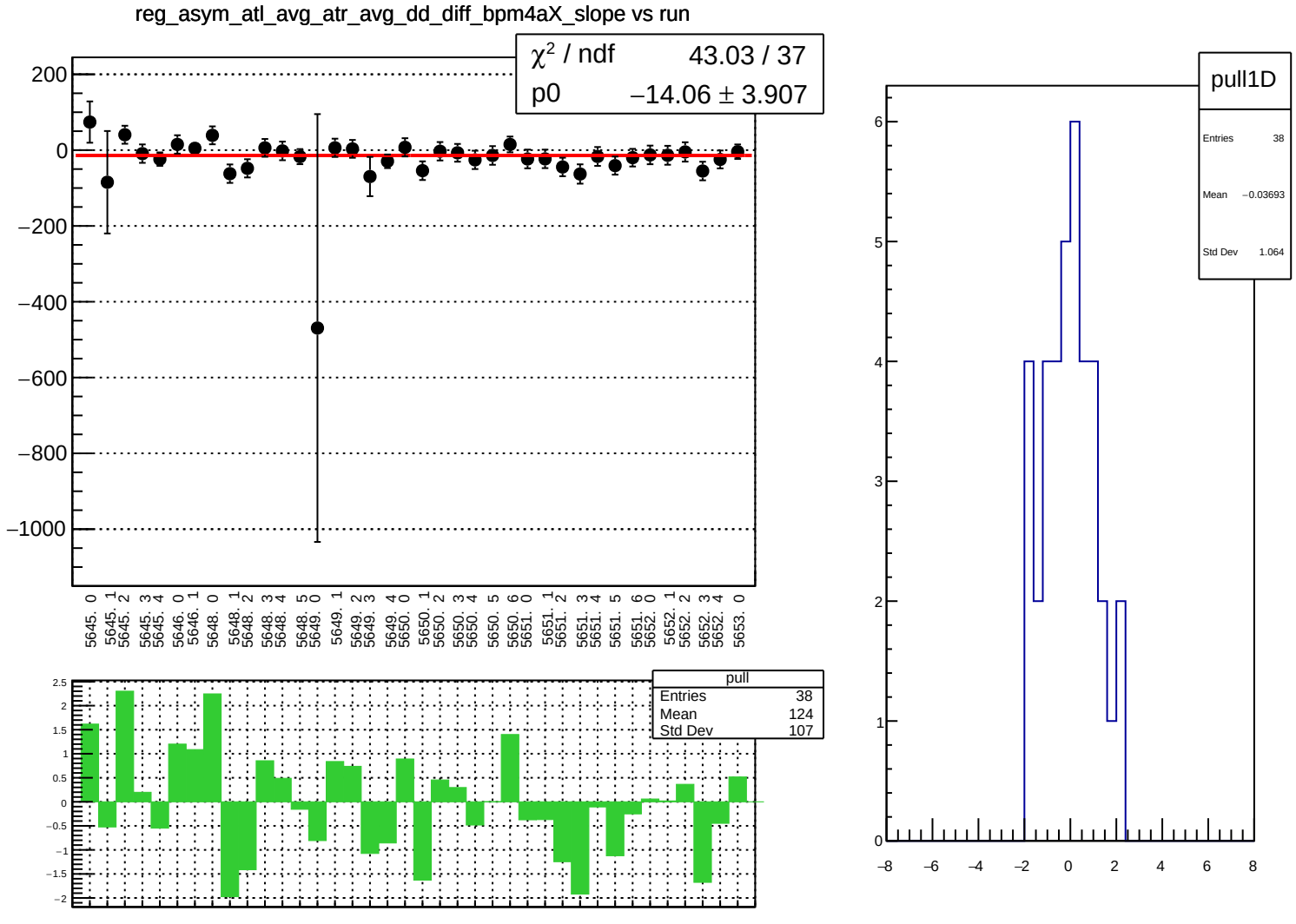

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.674 / 37
p0 161 ± 11.28
1200
1000
800
600
400
200
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 651.3
Std Dev 624.9
1
0.5
0
−0.5
−1
pull1D
Entries 38
Mean −0.0015
Std Dev 0.4778
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

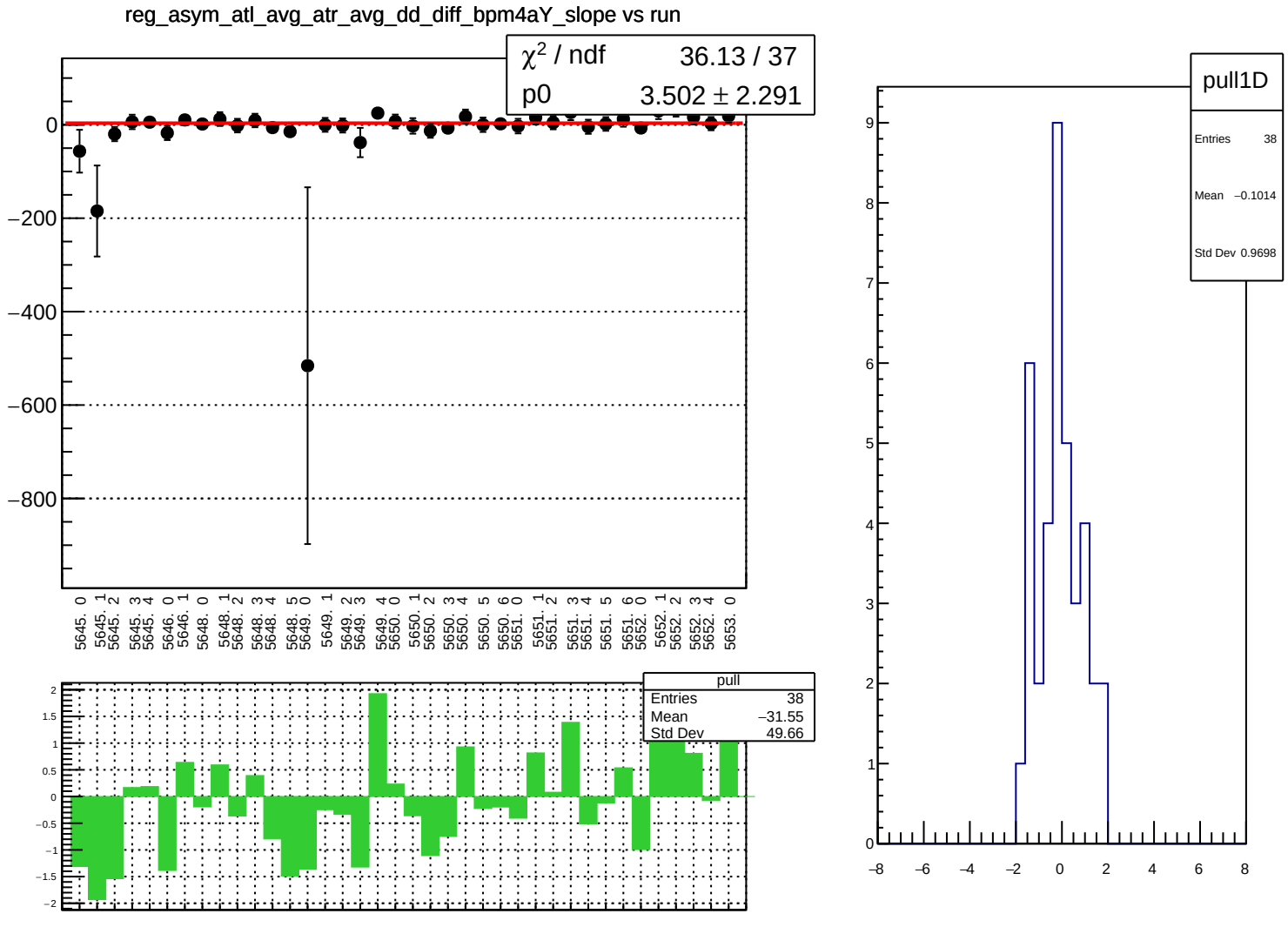

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.45 / 37
p0 35.09 ± 8.402
1200
1000
800
600
400
200
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 1.602
Std Dev 14.47
1.5
1
0.5
0
−0.5

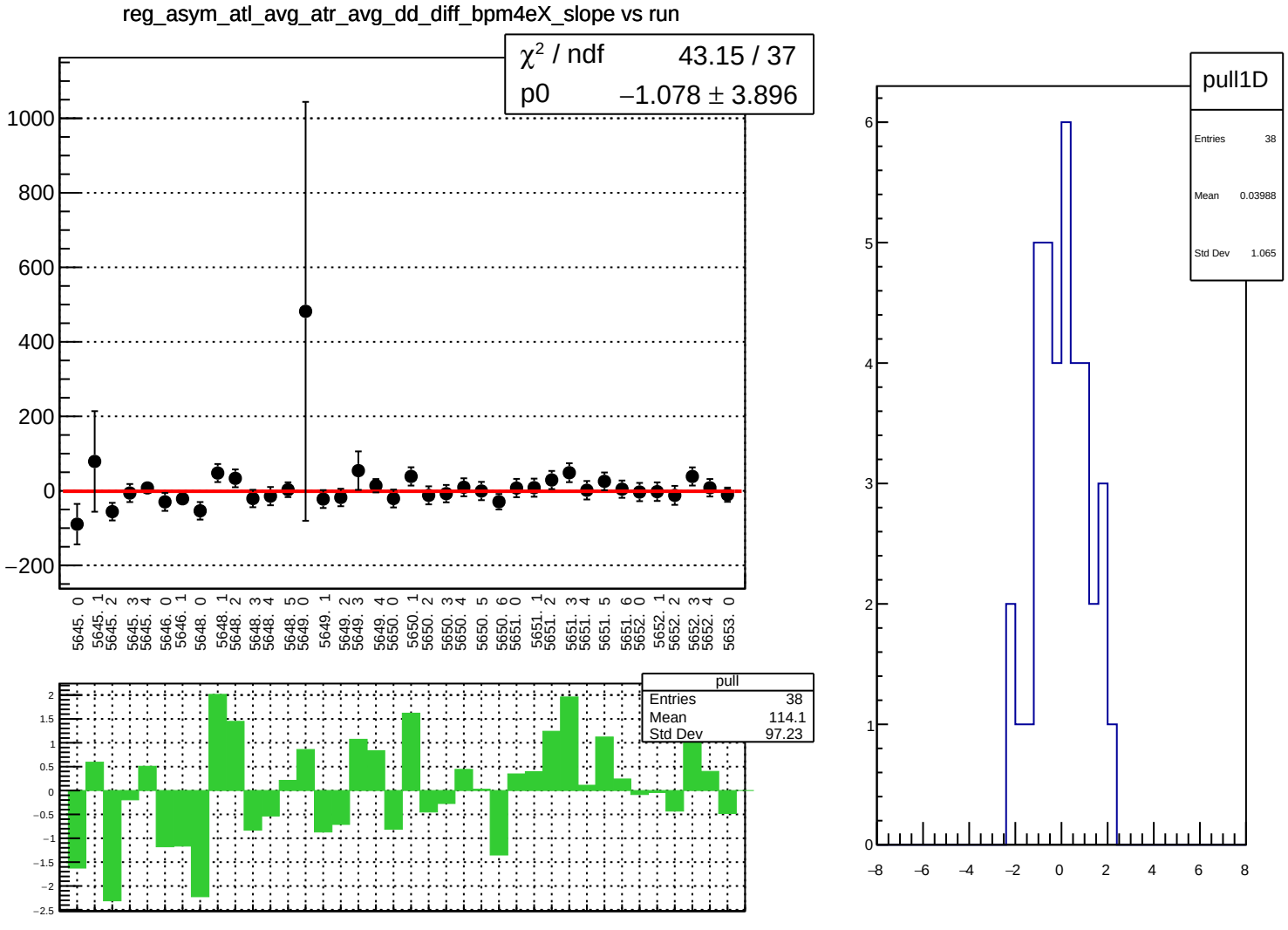

pull1D
Entries 38
Mean 0.06994
Std Dev 0.5198
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

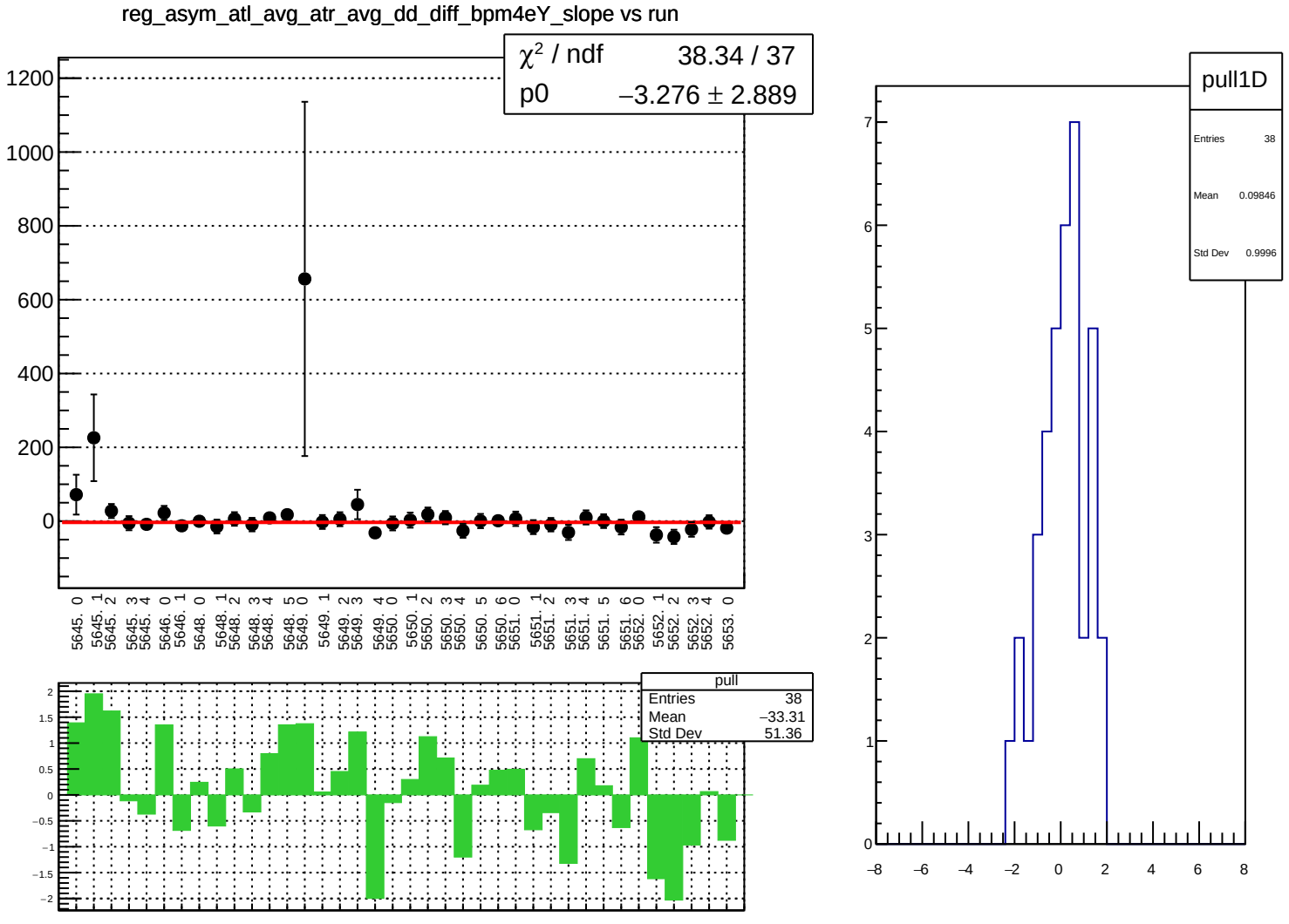

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 95.93 / 37
p0 −104.9 ± 0.2578
pull
Entries 38
Mean 38.72
Std Dev 20

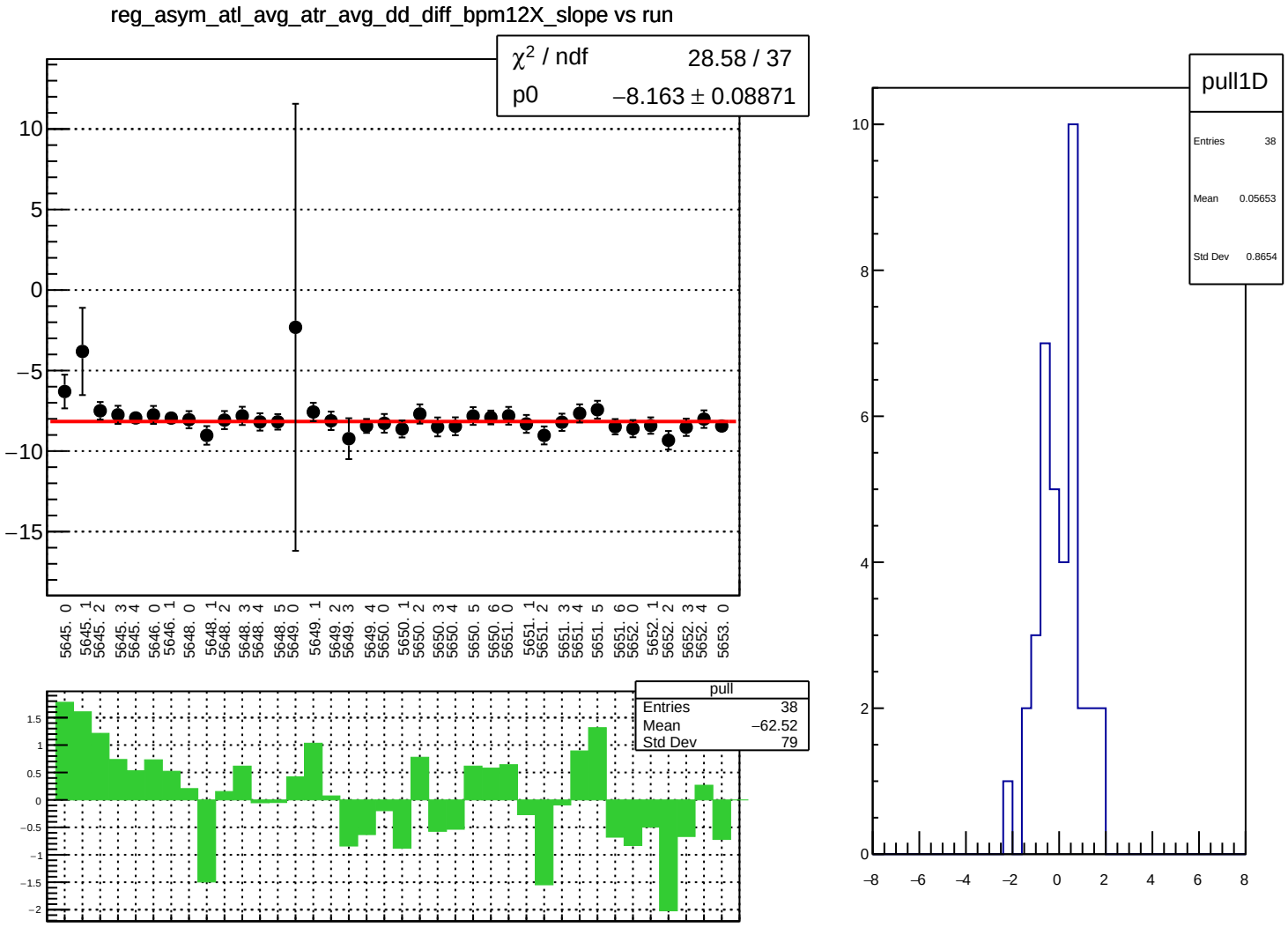

pull1D
Entries 38
Mean 0.08777
Std Dev 1.586

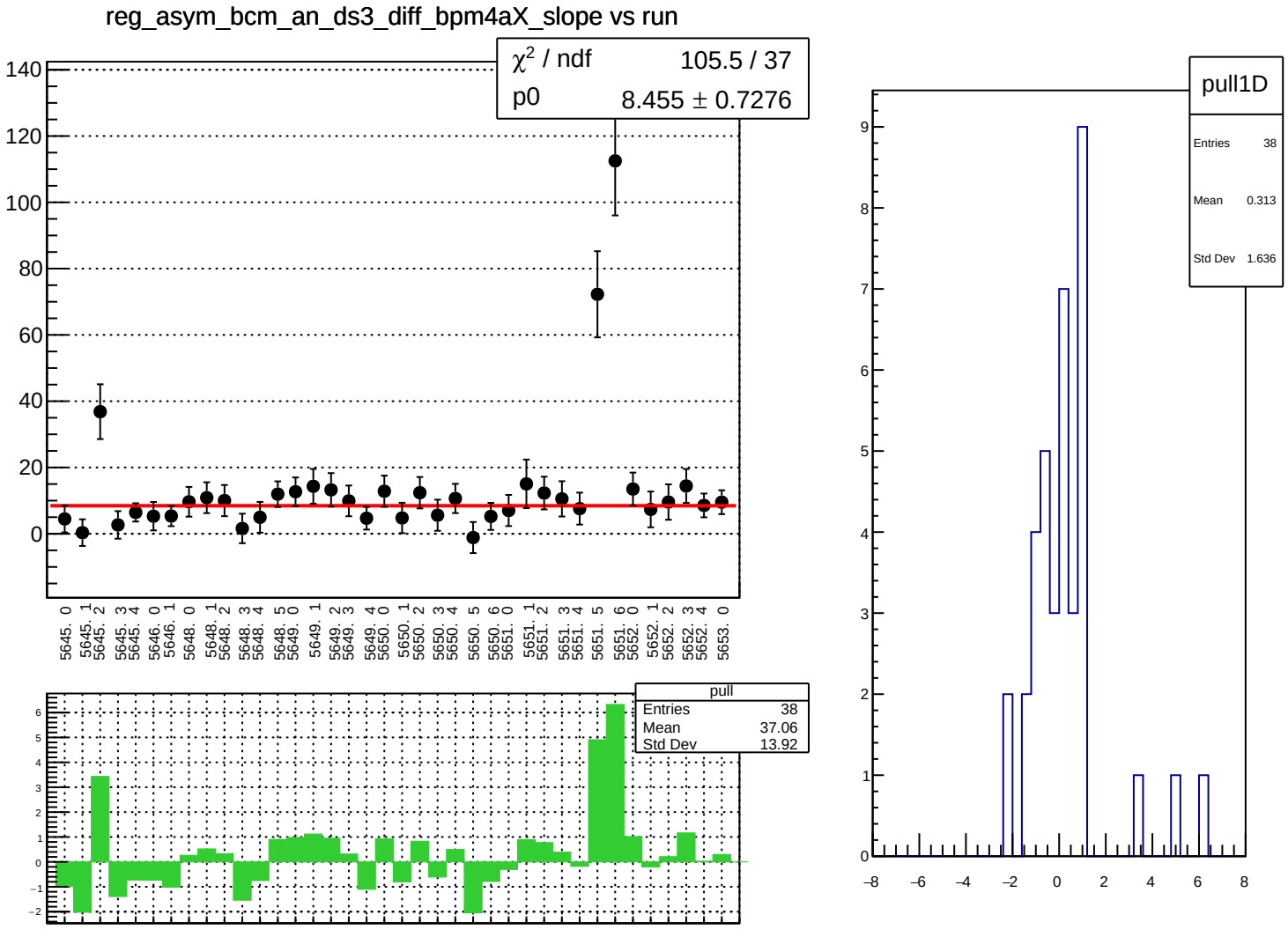

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 43.03 / 37
p0 −14.06 ± 3.907
200
0
−200
−400
−600
−800
−1000
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 124
Std Dev 107
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 38
Mean −0.03693
Std Dev 1.064
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

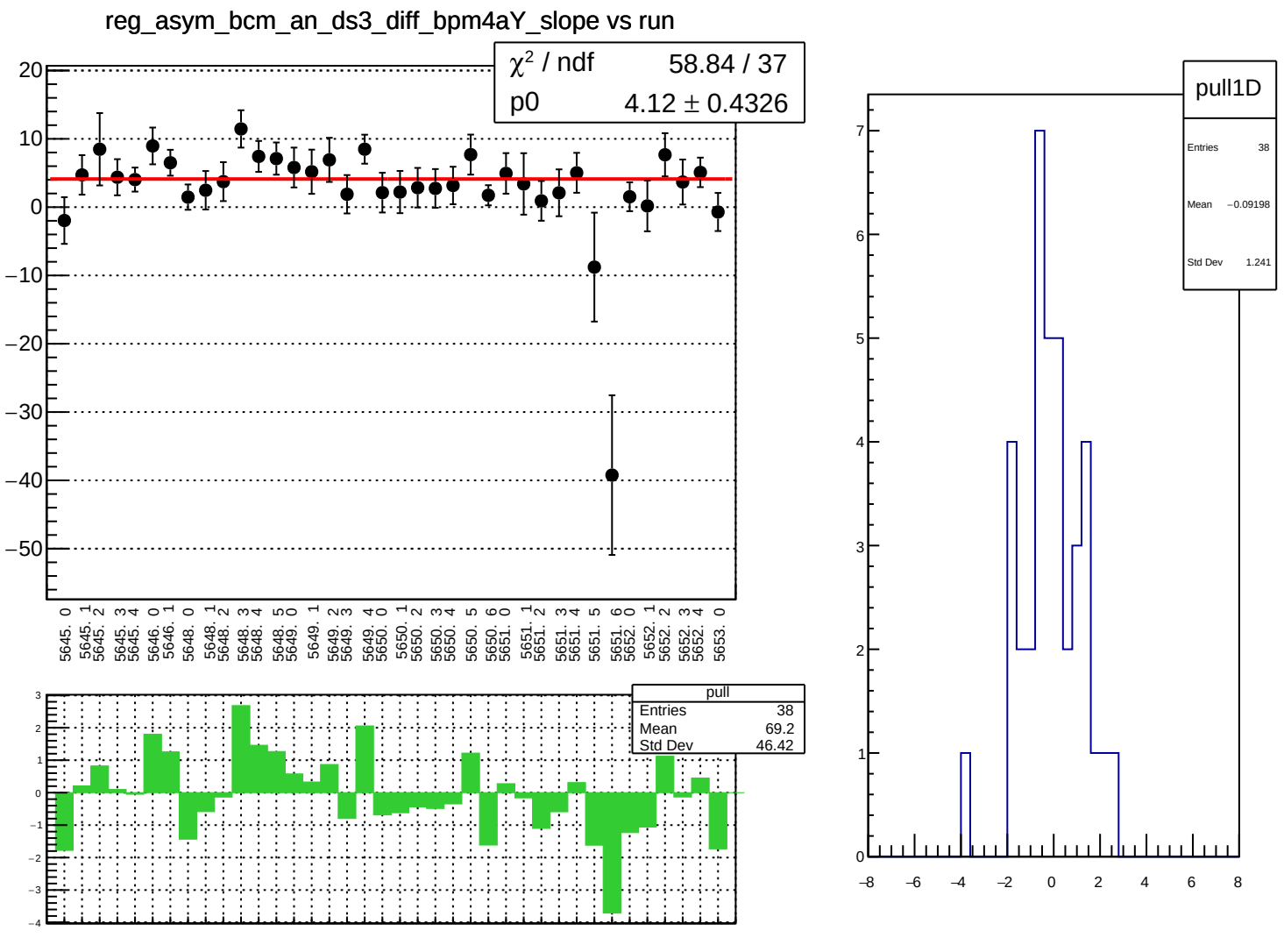

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.13 / 37
p0 3.502 ± 2.291
0
−200
−400
−600
−800
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −31.55
Std Dev 49.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 38
Mean −0.1014
Std Dev 0.9698
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

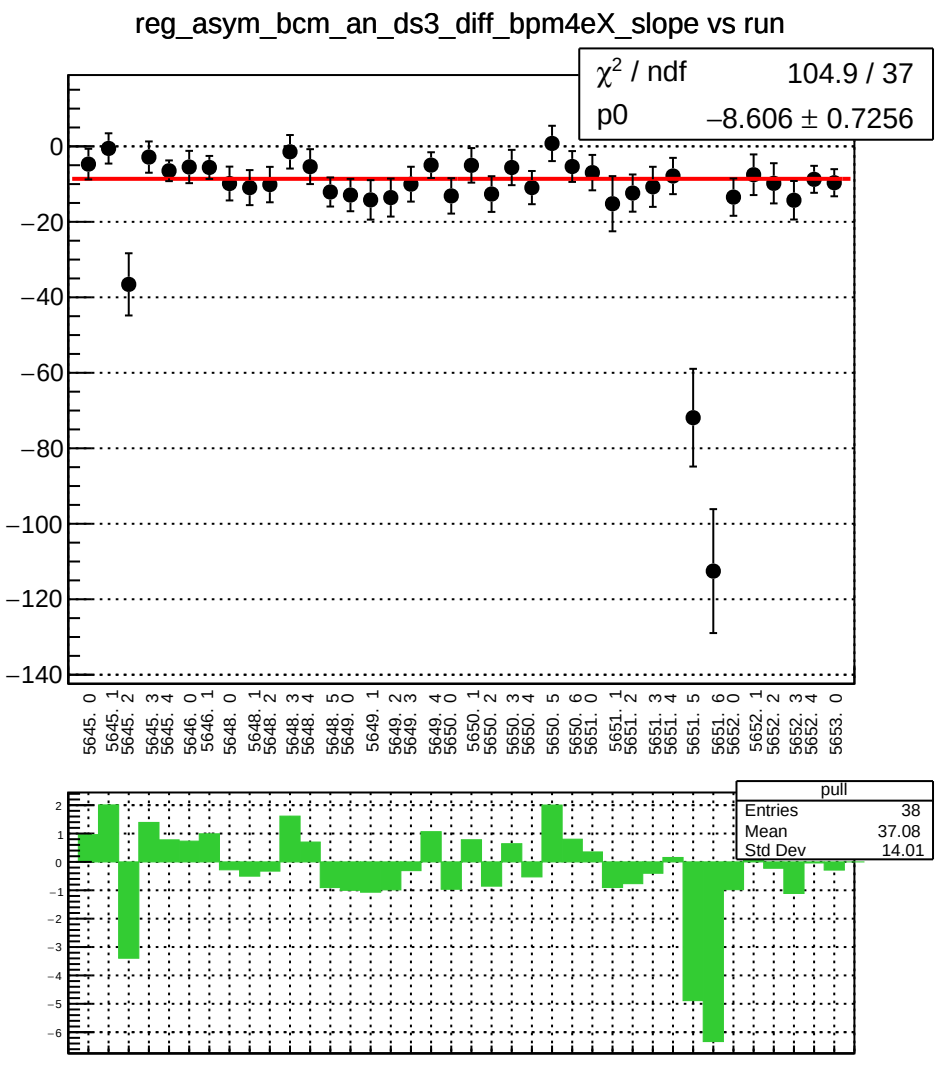

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.15 / 37
p0 −1.078 ± 3.896
1000
800
600
400
200
0
−200
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 114.1
Std Dev 97.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 38
Mean 0.03988
Std Dev 1.065
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

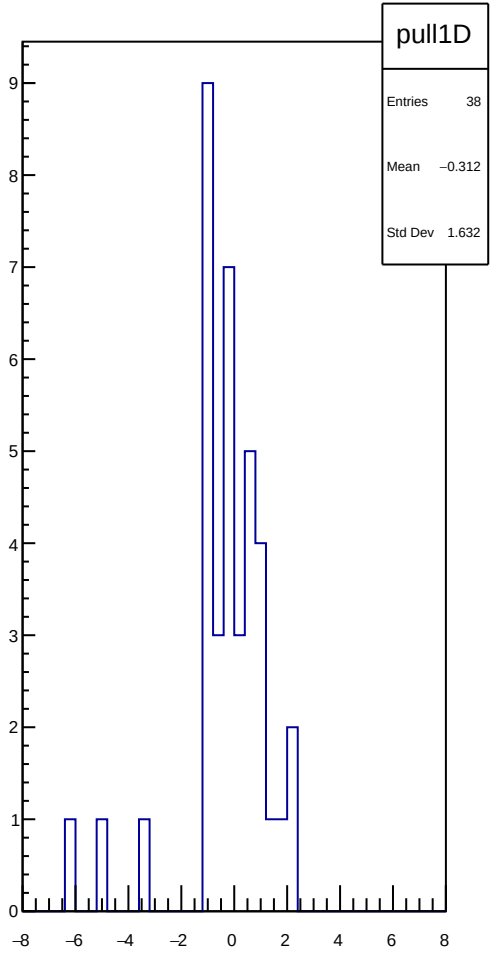

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.34 / 37
p0 −3.276 ± 2.889
1200
1000
800
600
400
200
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean −33.31
Std Dev 51.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 38
Mean 0.09846
Std Dev 0.9996
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

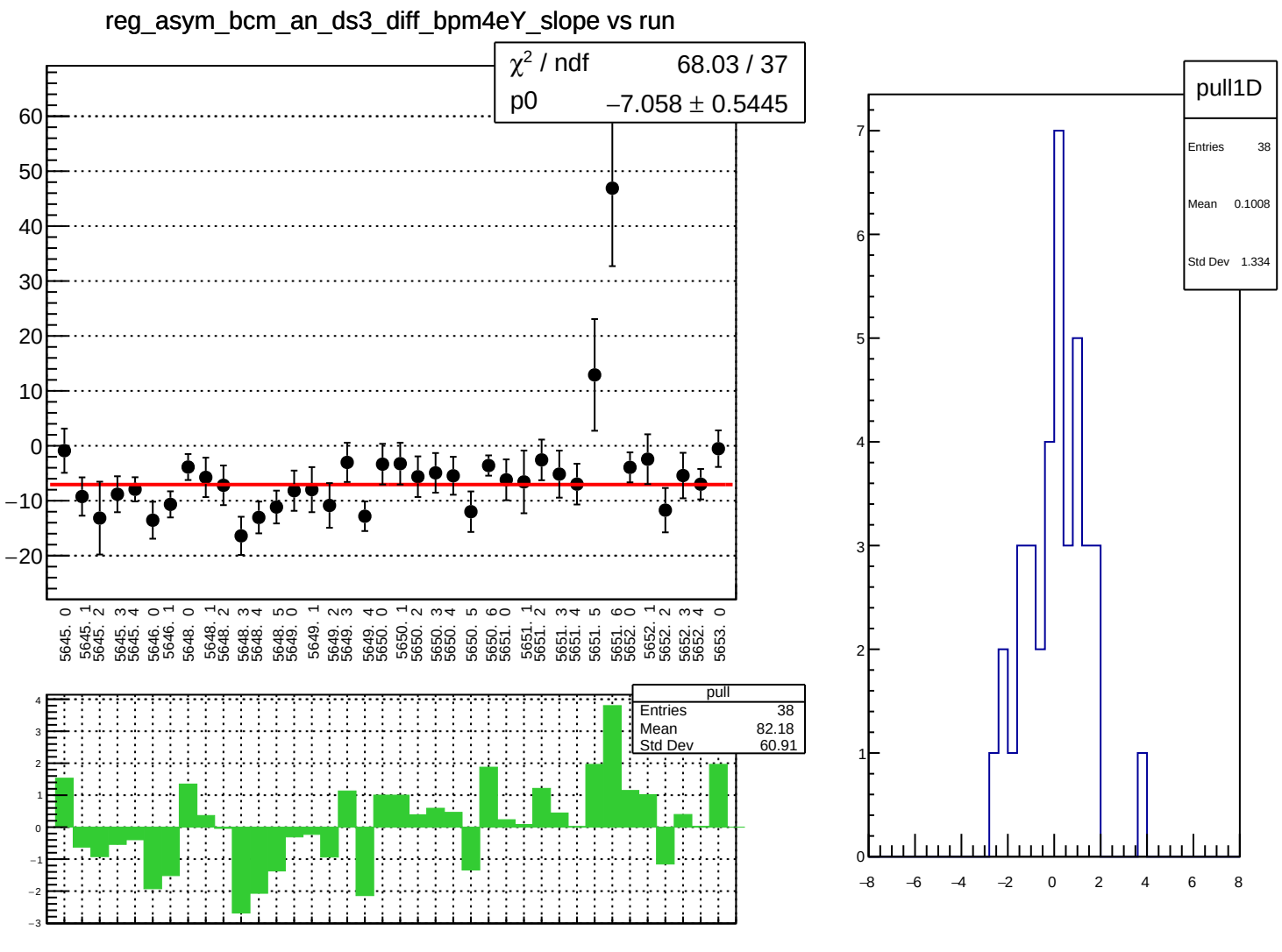

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 28.58 / 37
p0 −8.163 ± 0.08871
pull
Entries 38
Mean −62.52
Std Dev 79
pull1D
Entries 38
Mean 0.05653
Std Dev 0.8654

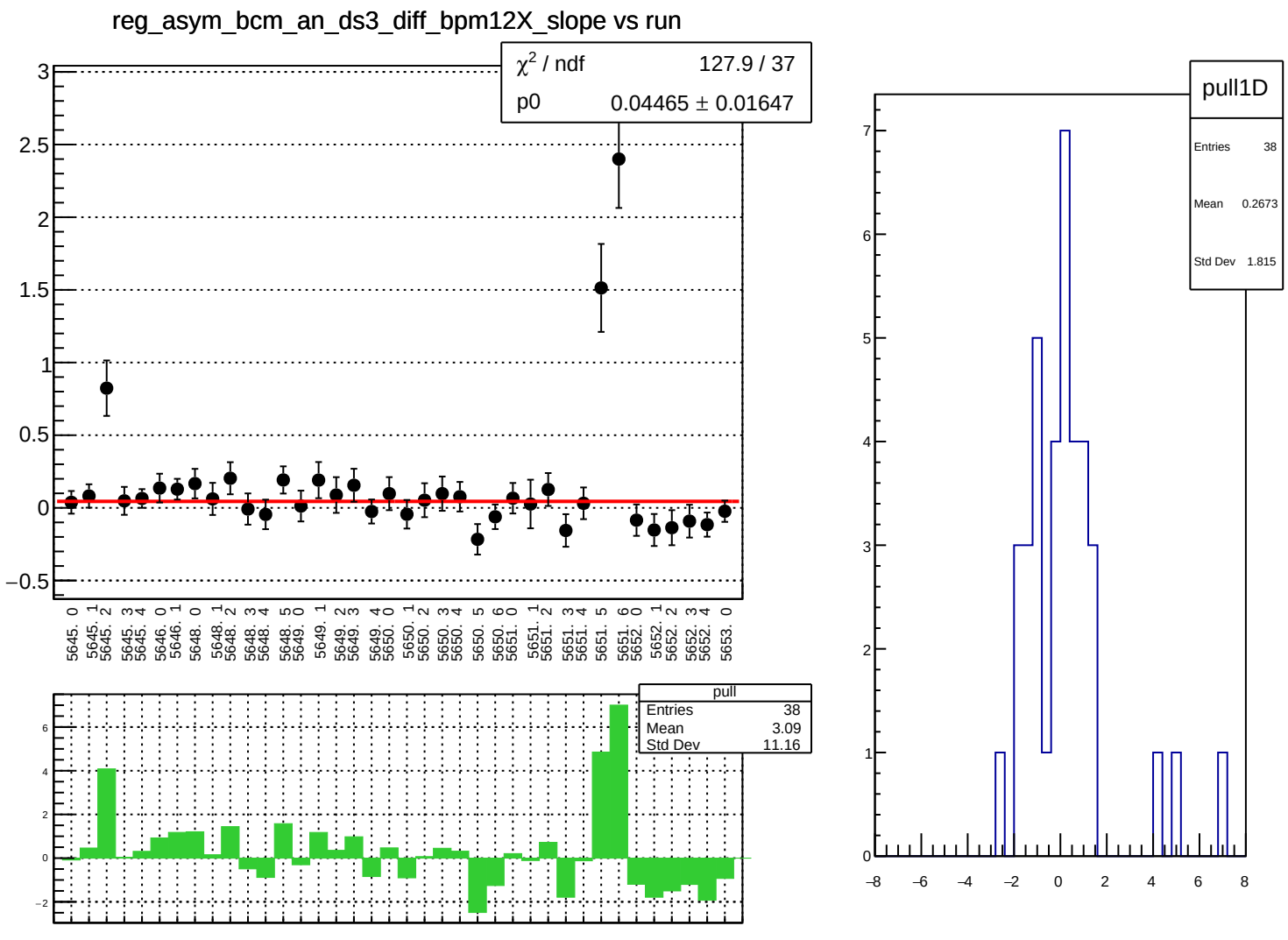

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 105.5 / 37
p0 8.455 ± 0.7276
pull
Entries 38
Mean 37.06
Std Dev 13.92
pull1D
Entries 38
Mean 0.313
Std Dev 1.636

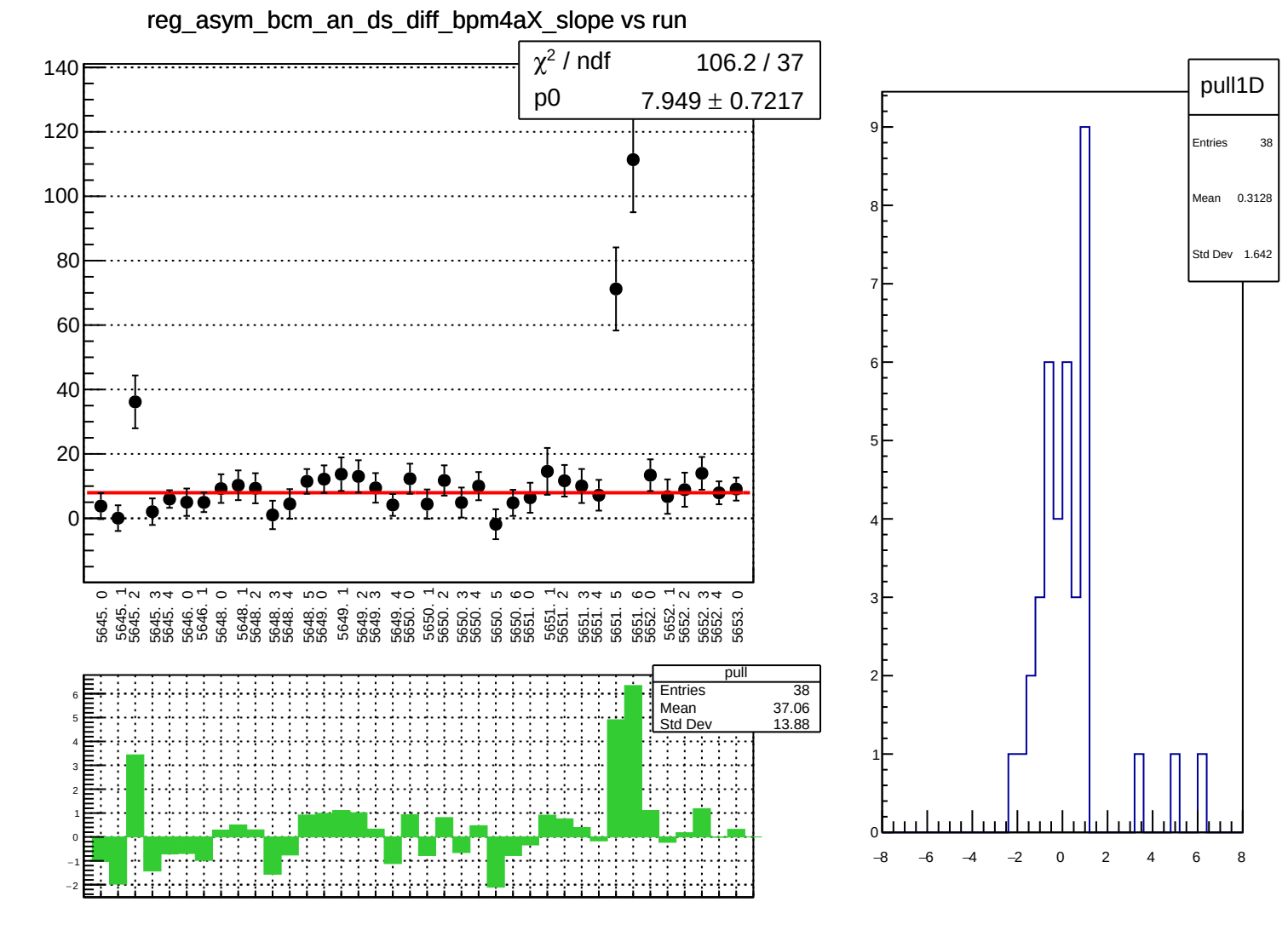

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 58.84 / 37
p0 4.12 ± 0.4326
pull
Entries 38
Mean 69.2
Std Dev 46.42
pull1D
Entries 38
Mean −0.09198
Std Dev 1.241

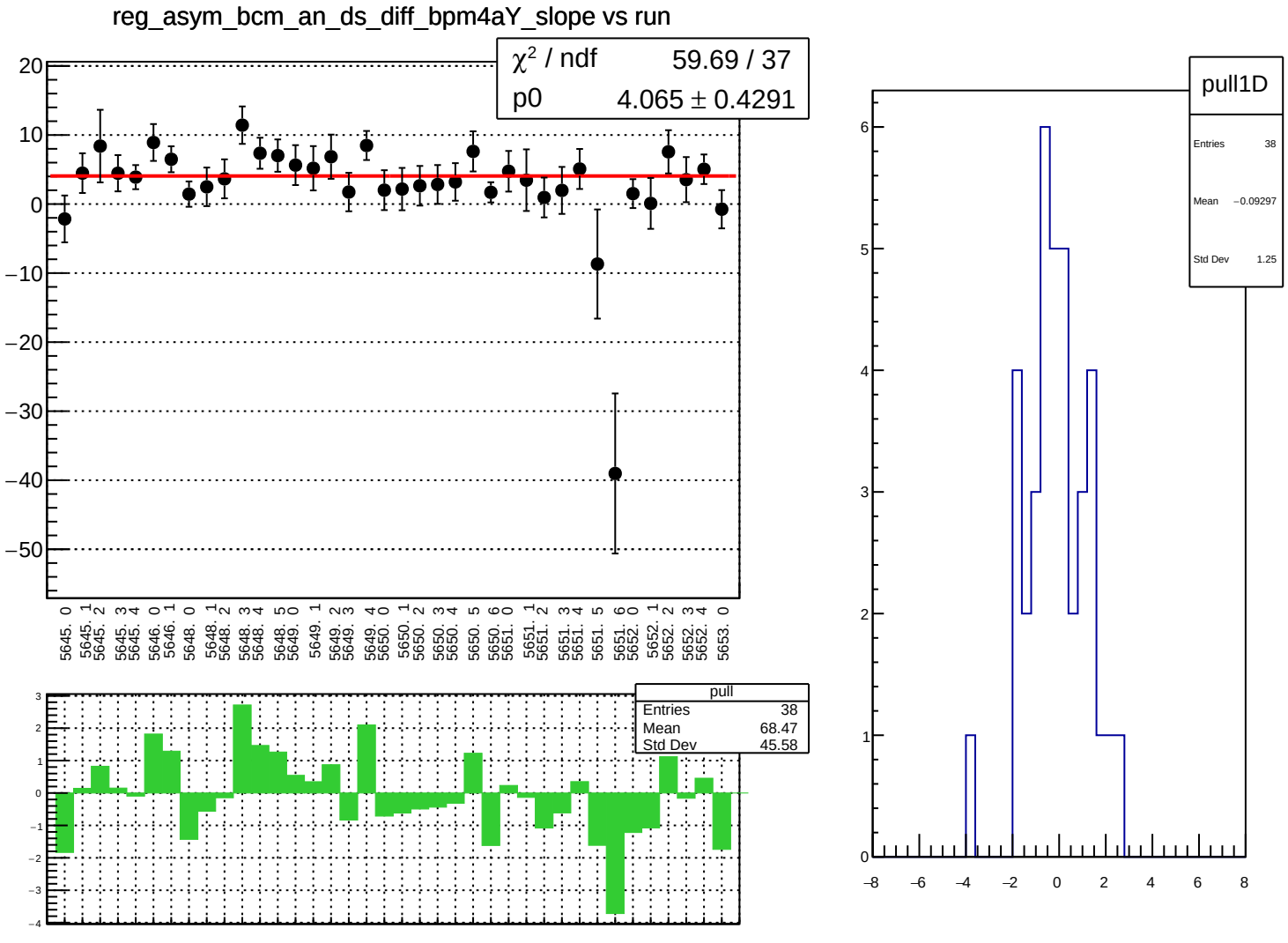

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 104.9 / 37
p0 −8.606 ± 0.7256
pull
Entries 38
Mean 37.08
Std Dev 14.01

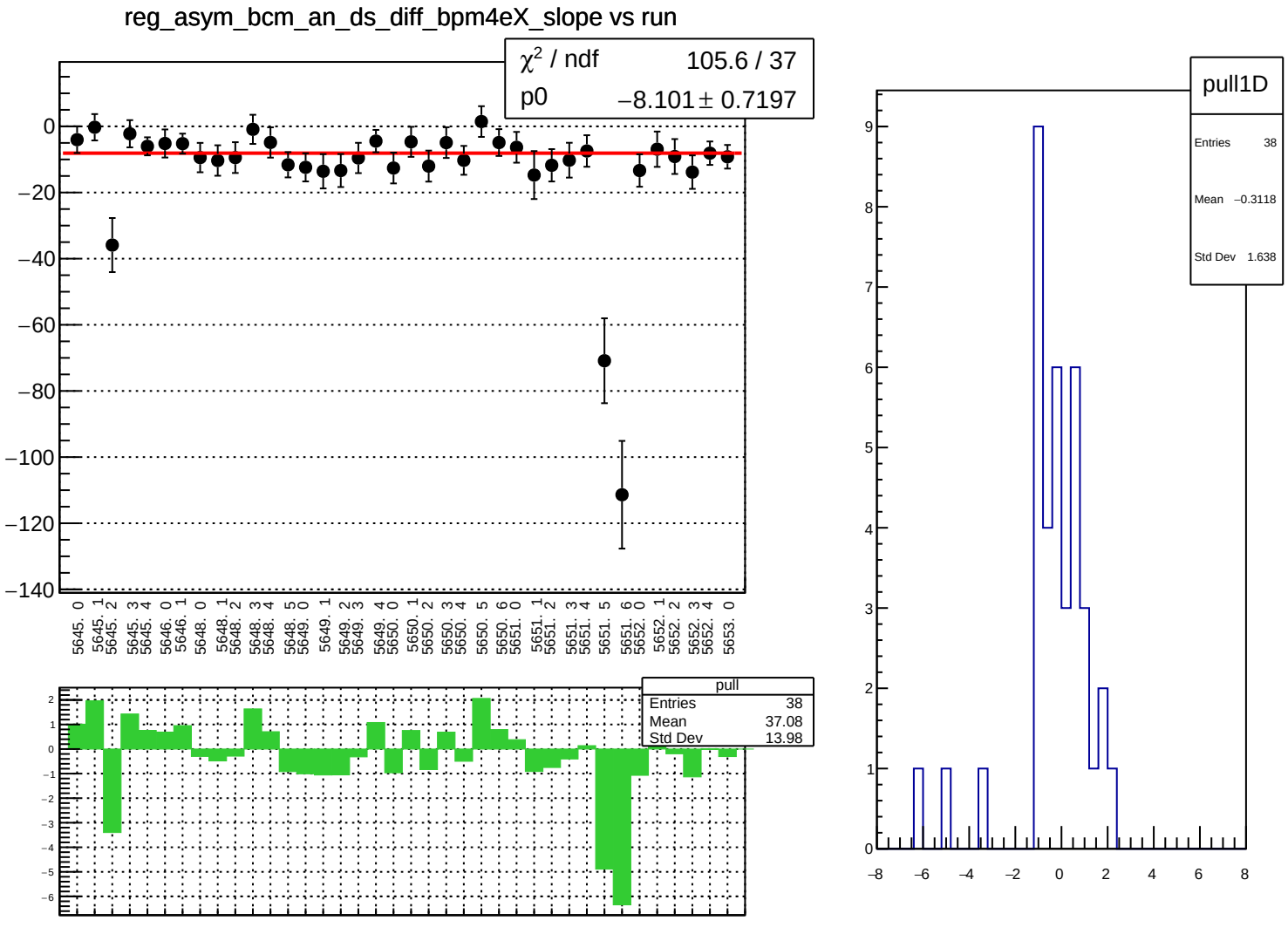

pull1D
Entries 38
Mean −0.312
Std Dev 1.632

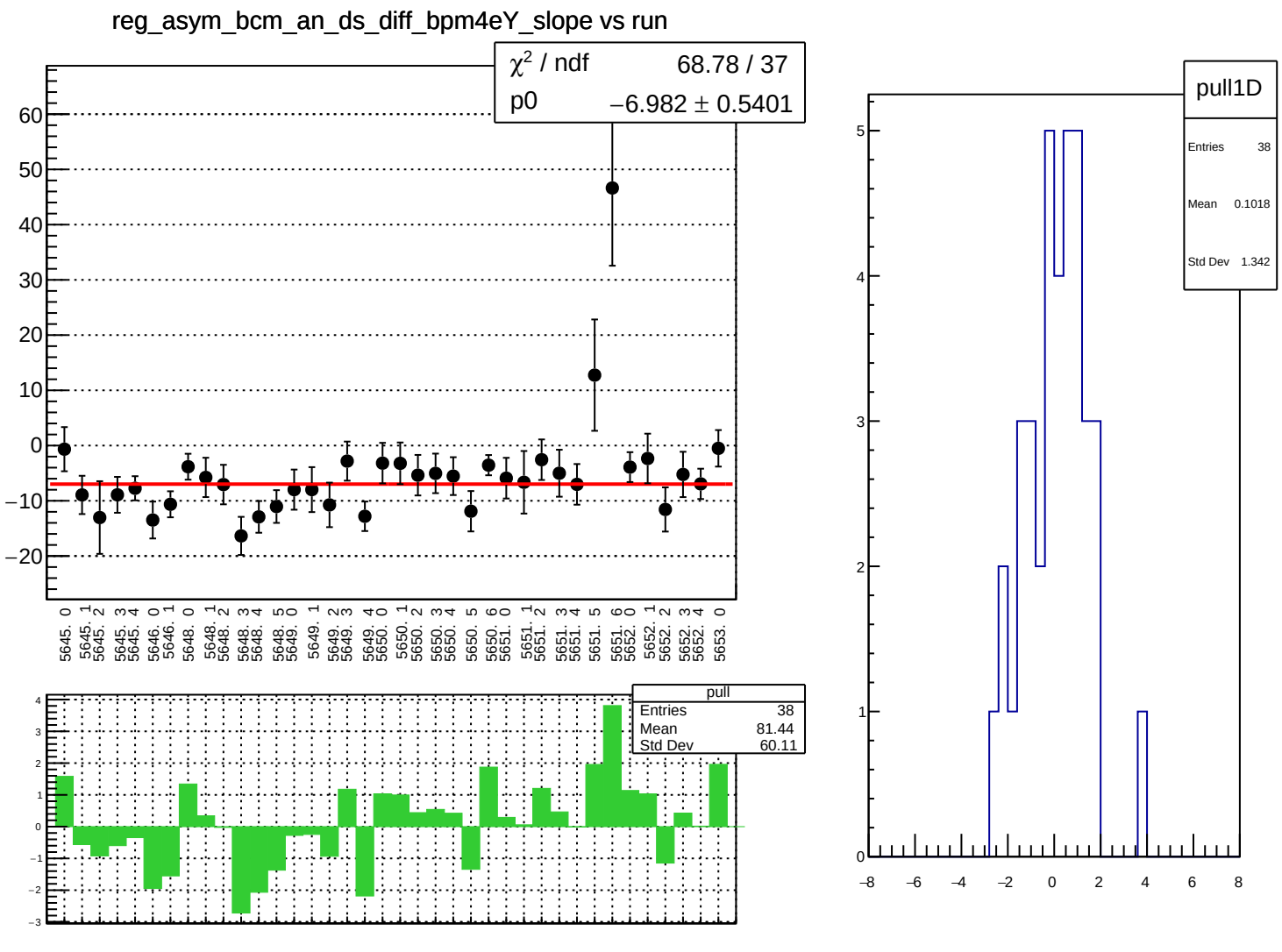

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 68.03 / 37
p0 −7.058 ± 0.5445
pull
Entries 38
Mean 82.18
Std Dev 60.91
pull1D
Entries 38
Mean 0.1008
Std Dev 1.334

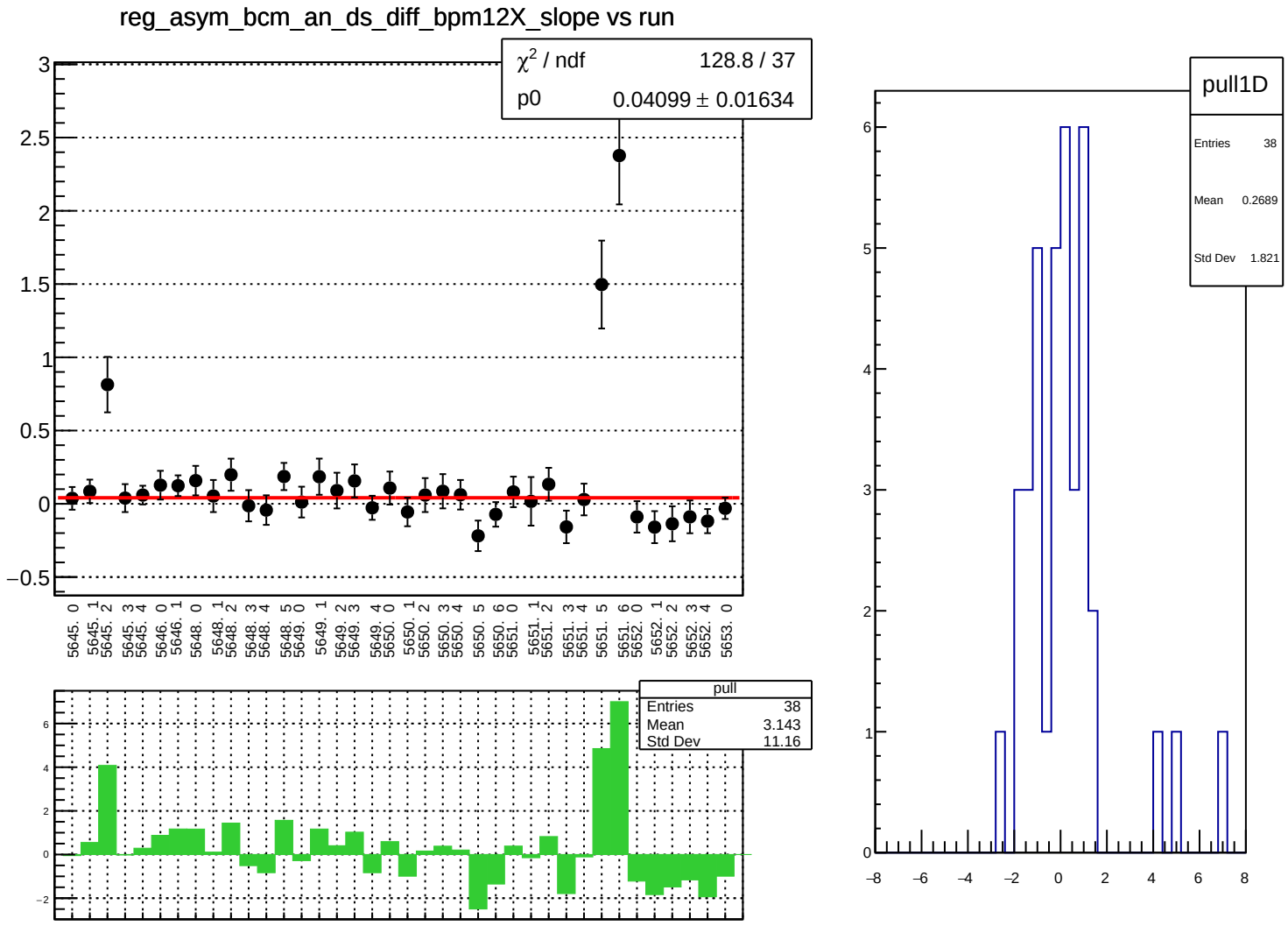

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 127.9 / 37
p0 0.04465 ± 0.01647
pull
Entries 38
Mean 3.09
Std Dev 11.16
pull1D
Entries 38
Mean 0.2673
Std Dev 1.815

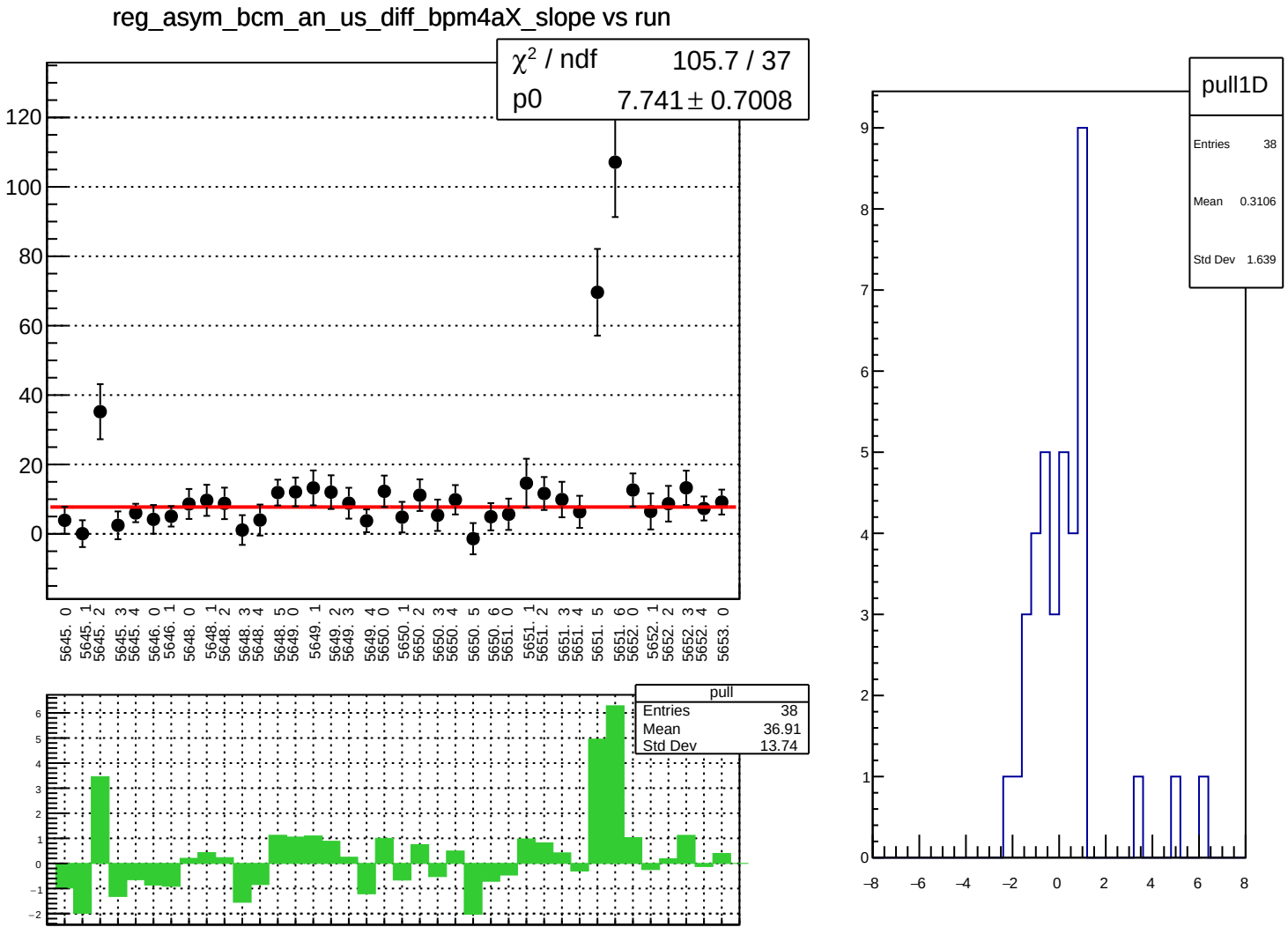

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 106.2 / 37
p0 7.949 ± 0.7217
pull
Entries 38
Mean 37.06
Std Dev 13.88
pull1D
Entries 38
Mean 0.3128
Std Dev 1.642

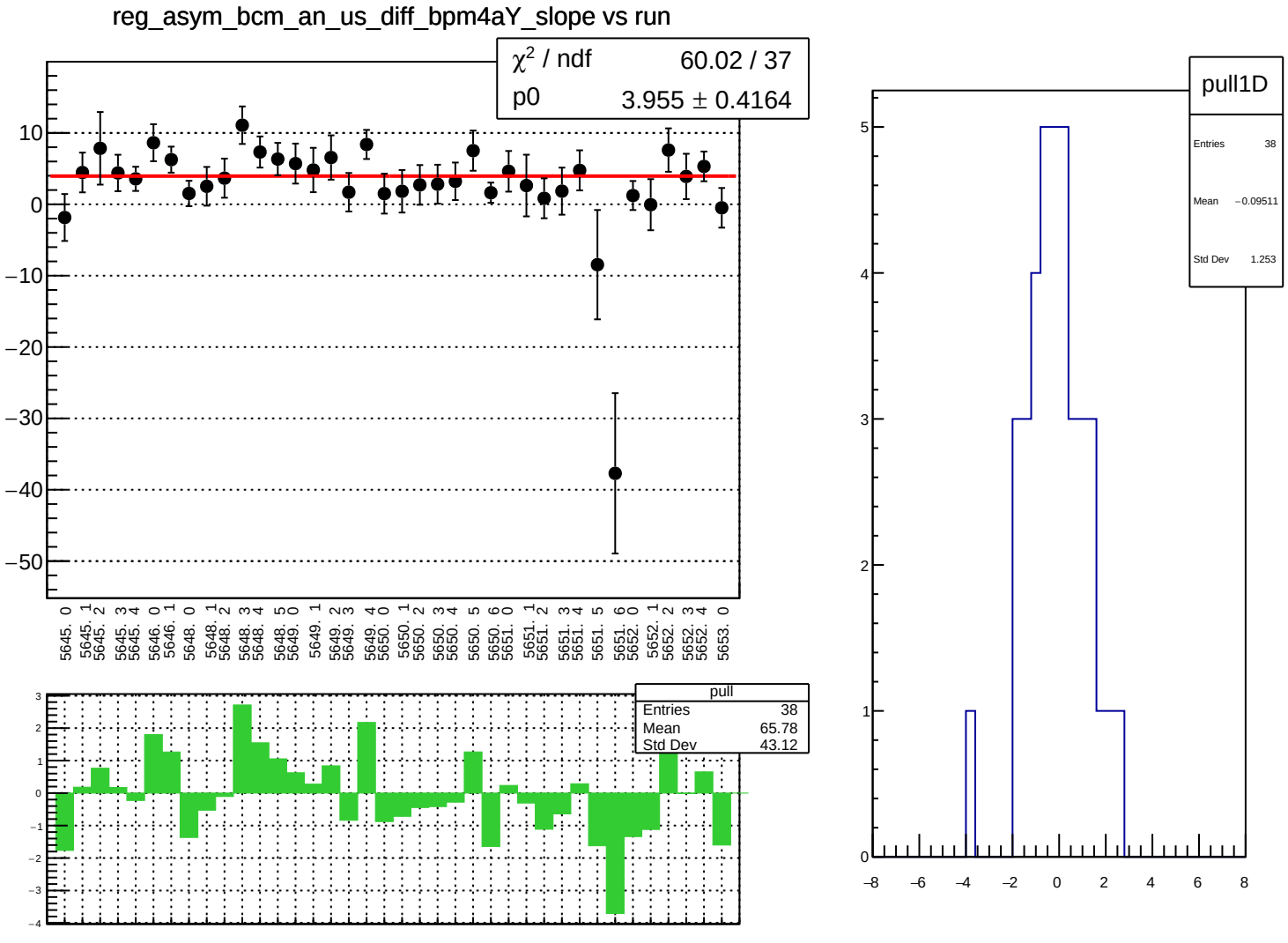

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 59.69 / 37
p0 4.065 ± 0.4291
pull
Entries 38
Mean 68.47
Std Dev 45.58
pull1D
Entries 38
Mean −0.09297
Std Dev 1.25

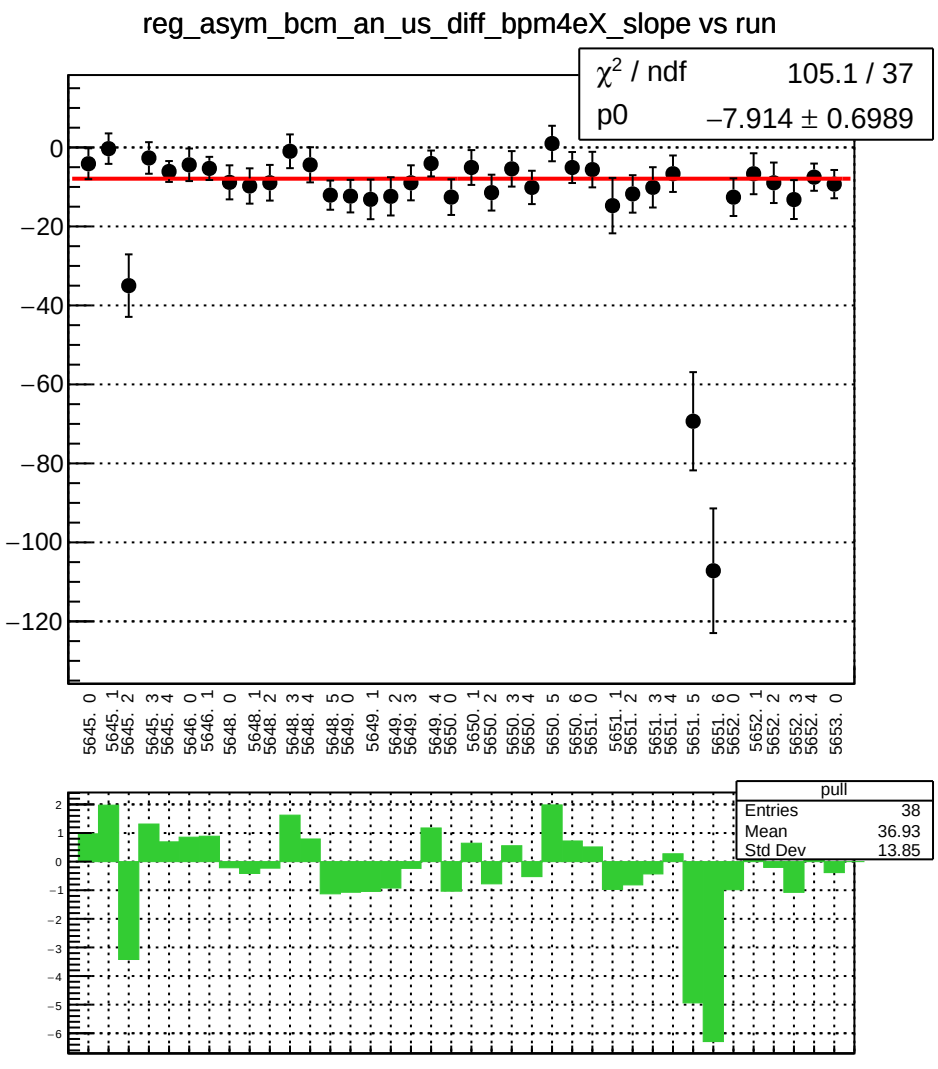

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 105.6 / 37
p0 −8.101 ± 0.7197
0
−20
−40
−60
−80
−100
−120
−140
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 37.08
Std Dev 13.98
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 38
Mean −0.3118
Std Dev 1.638
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

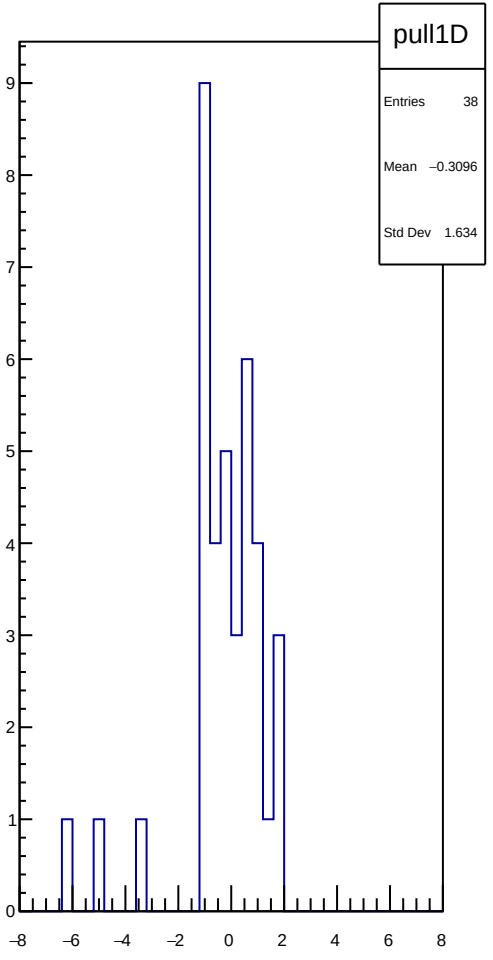

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 68.78 / 37
p0 −6.982 ± 0.5401
pull
Entries 38
Mean 81.44
Std Dev 60.11
pull1D
Entries 38
Mean 0.1018
Std Dev 1.342

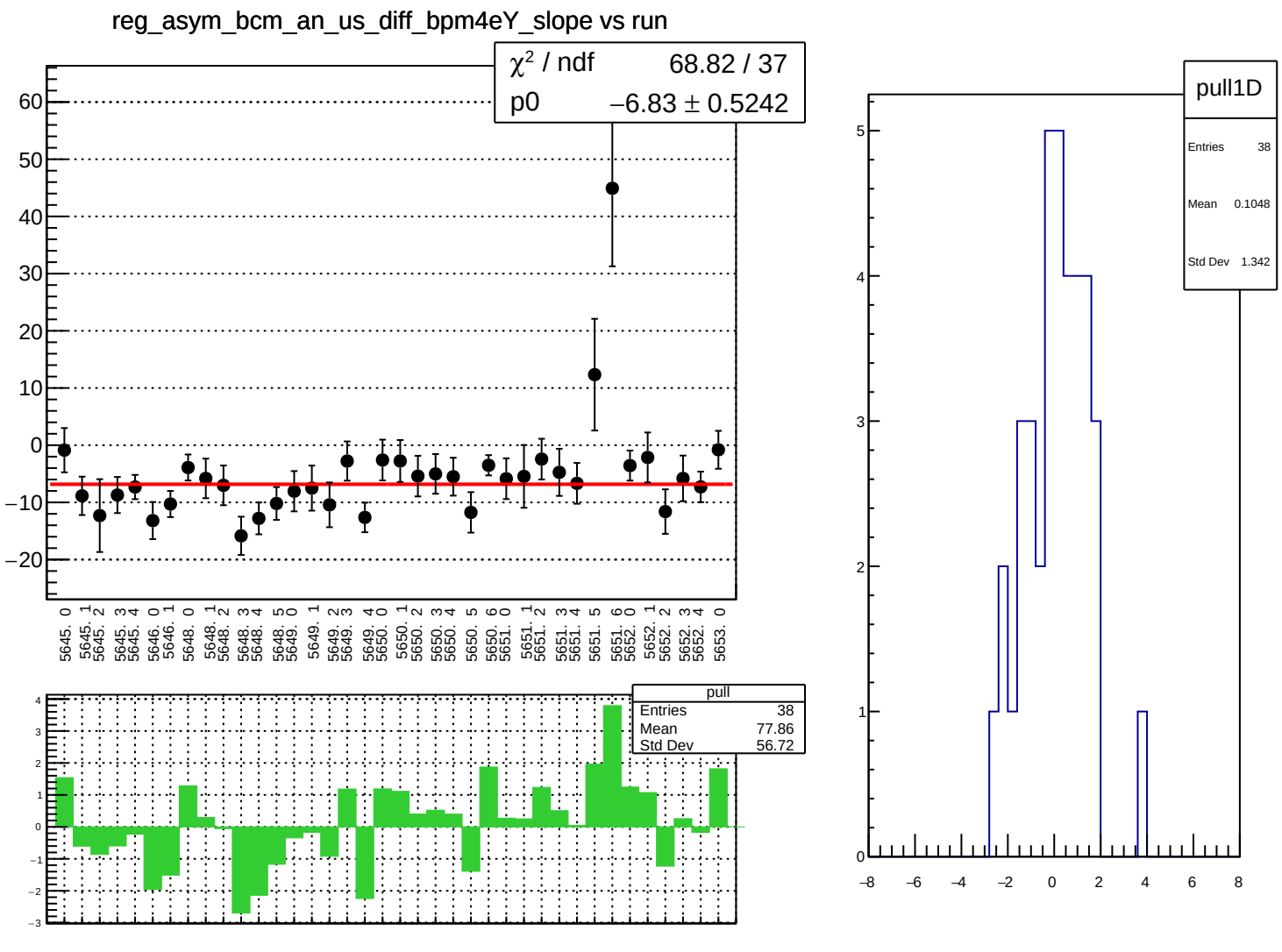

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 128.8 / 37
p0 0.04099 ± 0.01634
pull
Entries 38
Mean 3.143
Std Dev 11.16
pull1D
Entries 38
Mean 0.2689
Std Dev 1.821

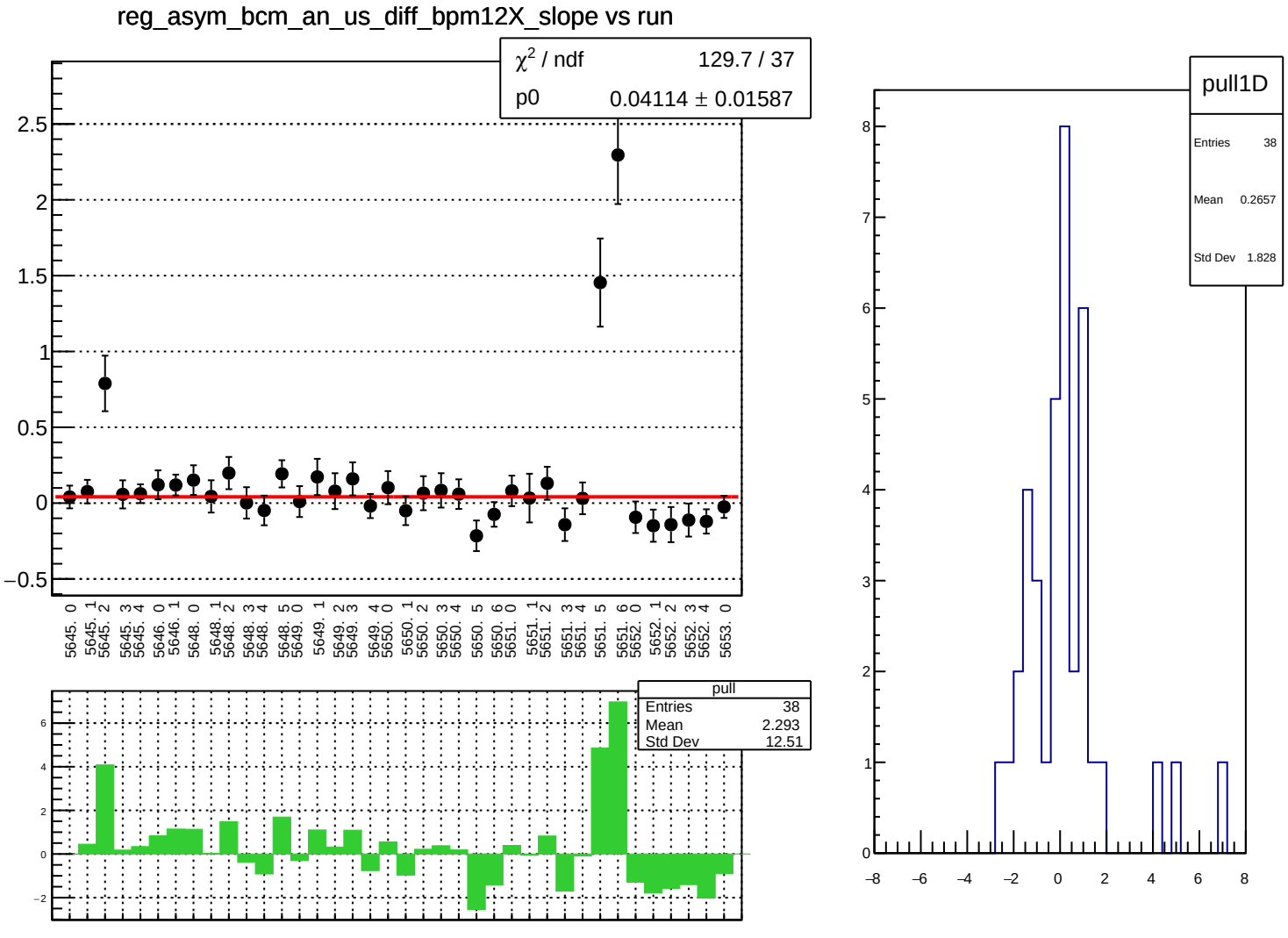

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 105.7 / 37
p0 7.741 ± 0.7008
120
100
80
60
40
20
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 36.91
Std Dev 13.74
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 38
Mean 0.3106
Std Dev 1.639
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

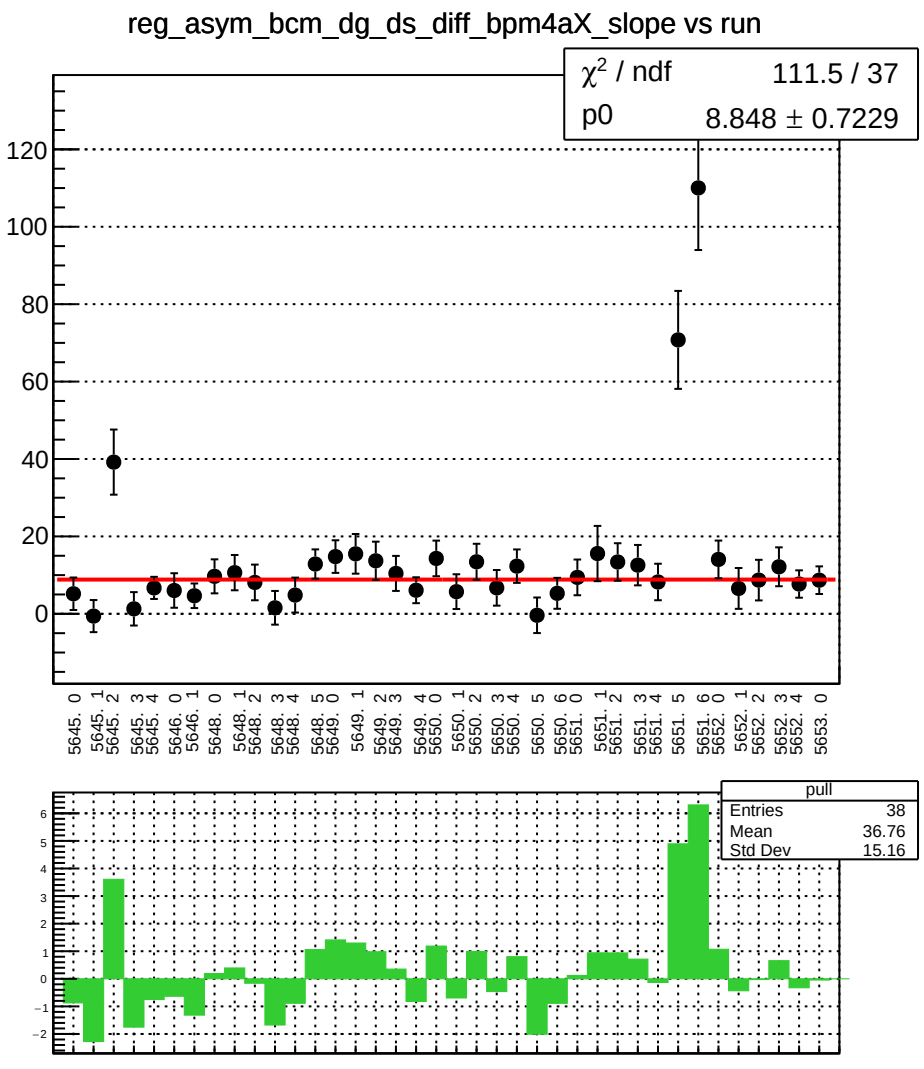

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 60.02 / 37
p0 3.955 ± 0.4164
10
0
−10
−20
−30
−40
−50
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 65.78
Std Dev 43.12
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 38
Mean −0.09511
Std Dev 1.253
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

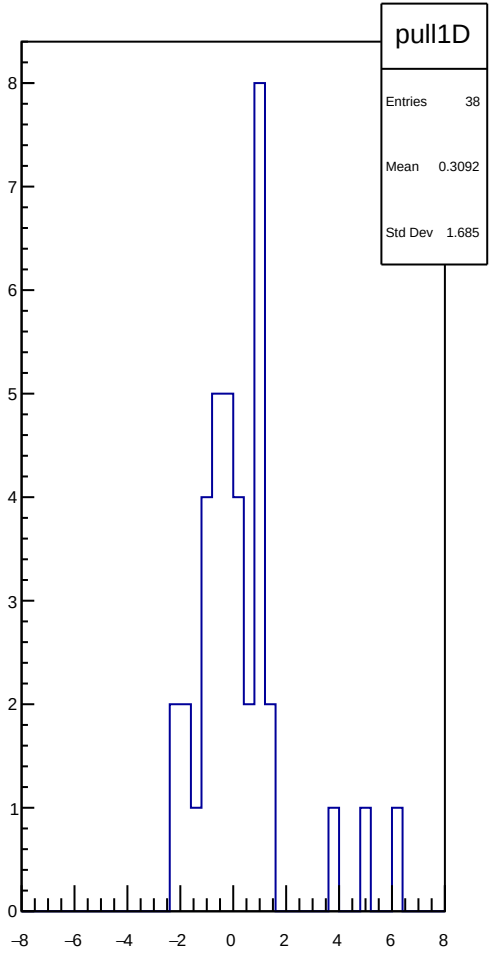

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 105.1 / 37
p0 −7.914 ± 0.6989
0
−20
−40
−60
−80
−100
−120
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 36.93
Std Dev 13.85
2
1
0
−1
−2
−3
−4
−5
−6

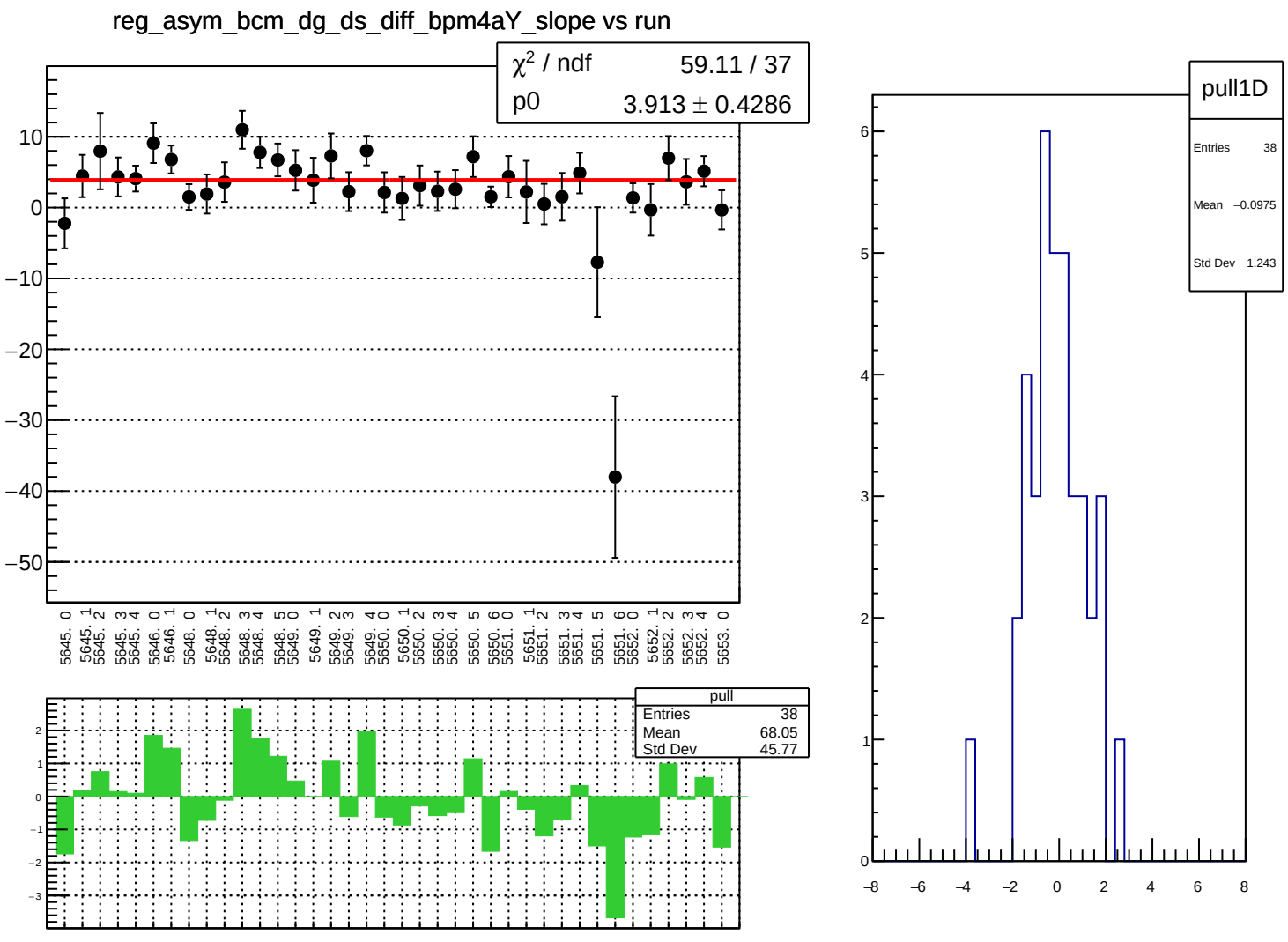

pull1D
Entries 38
Mean −0.3096
Std Dev 1.634
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

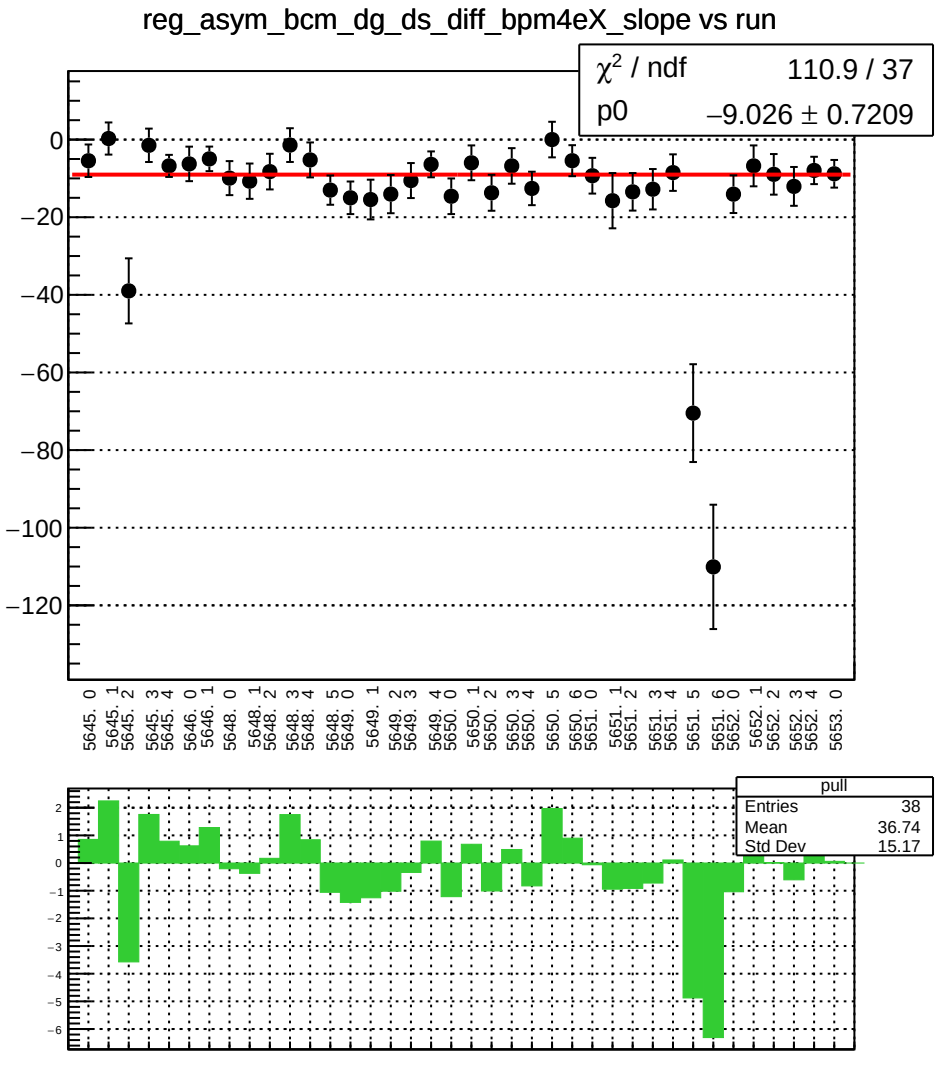

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 68.82 / 37
p0 −6.83 ± 0.5242
pull
Entries 38
Mean 77.86
Std Dev 56.72
pull1D
Entries 38
Mean 0.1048
Std Dev 1.342

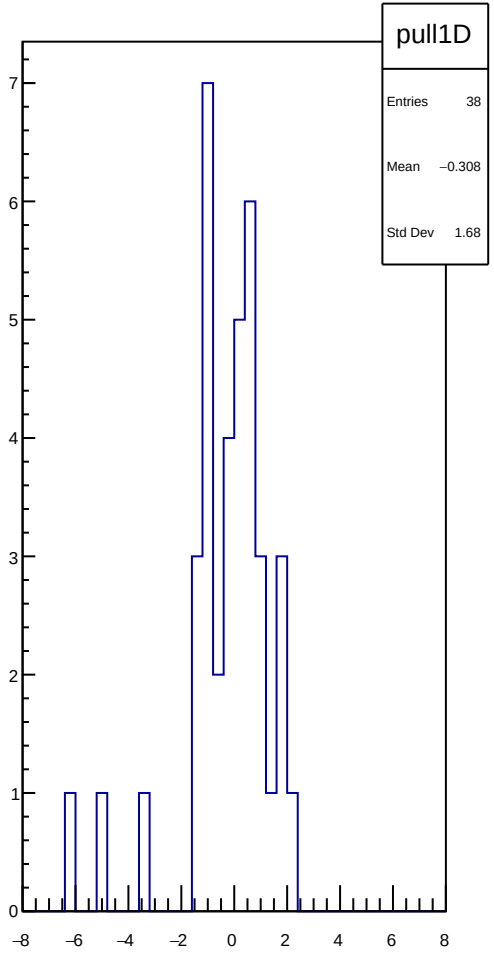

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 129.7 / 37
p0 0.04114 ± 0.01587
pull
Entries 38
Mean 2.293
Std Dev 12.51
pull1D
Entries 38
Mean 0.2657
Std Dev 1.828

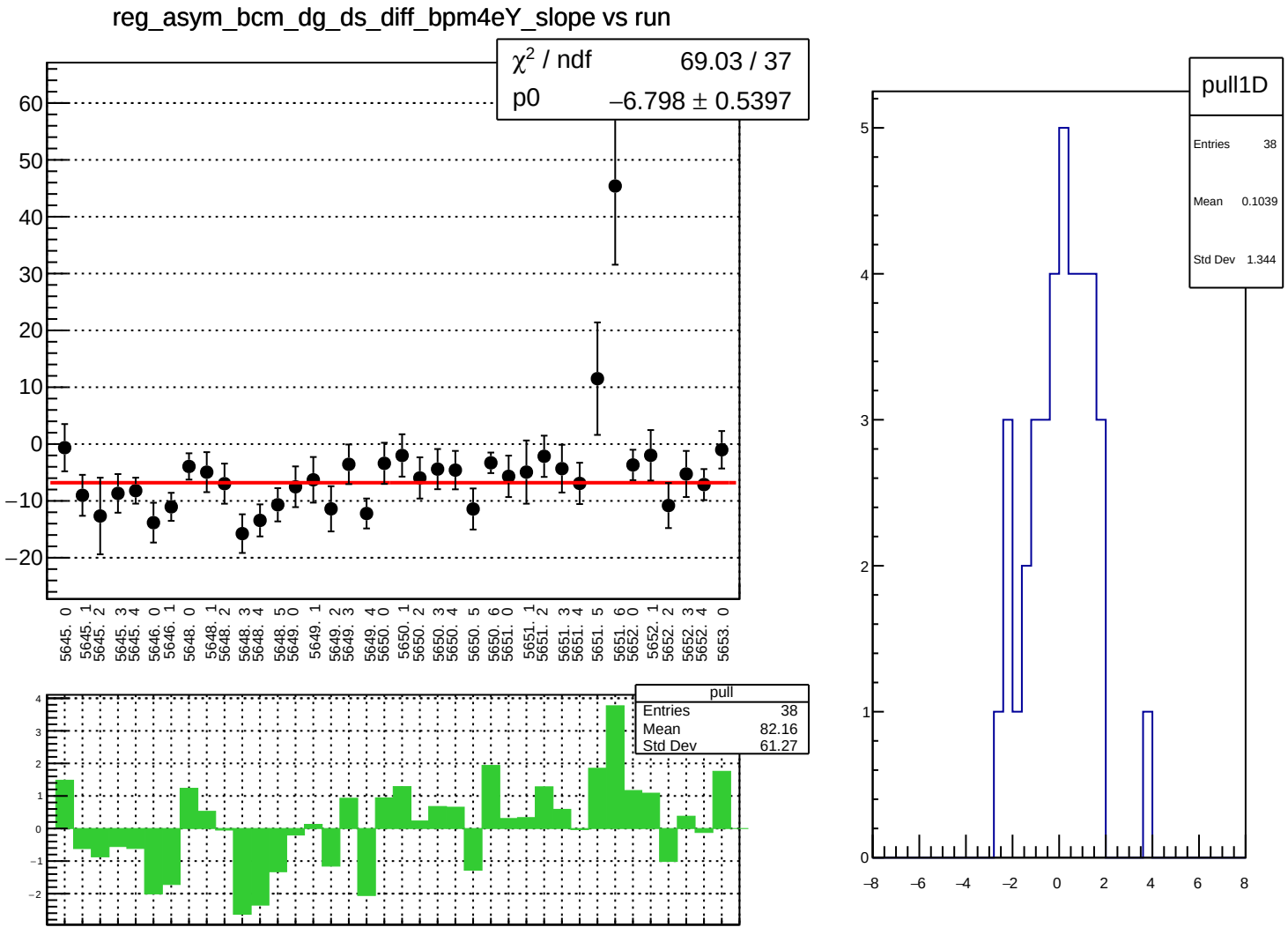

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 111.5 / 37
p0 8.848 ± 0.7229
pull
Entries 38
Mean 36.76
Std Dev 15.16

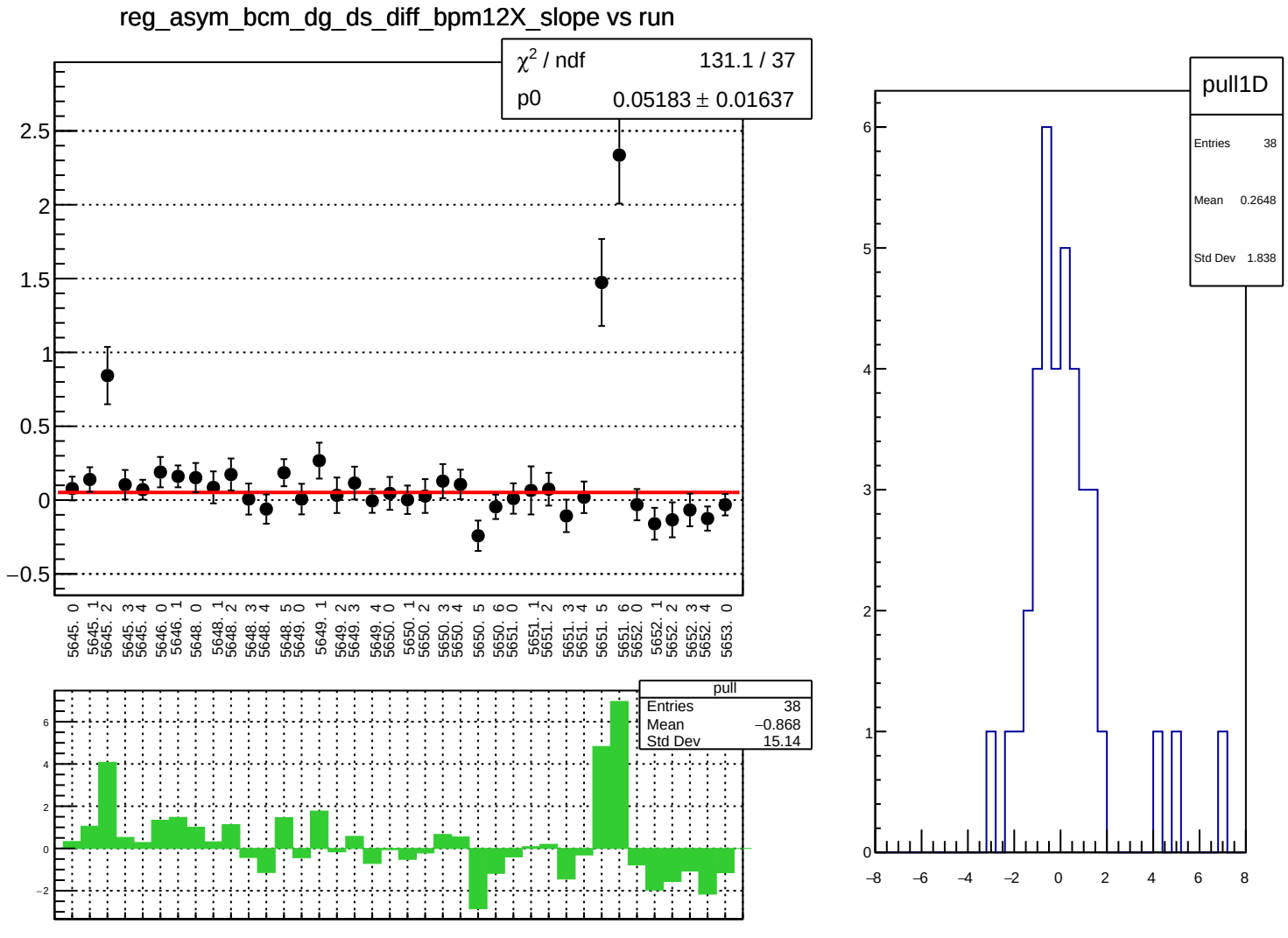

pull1D
Entries 38
Mean 0.3092
Std Dev 1.685

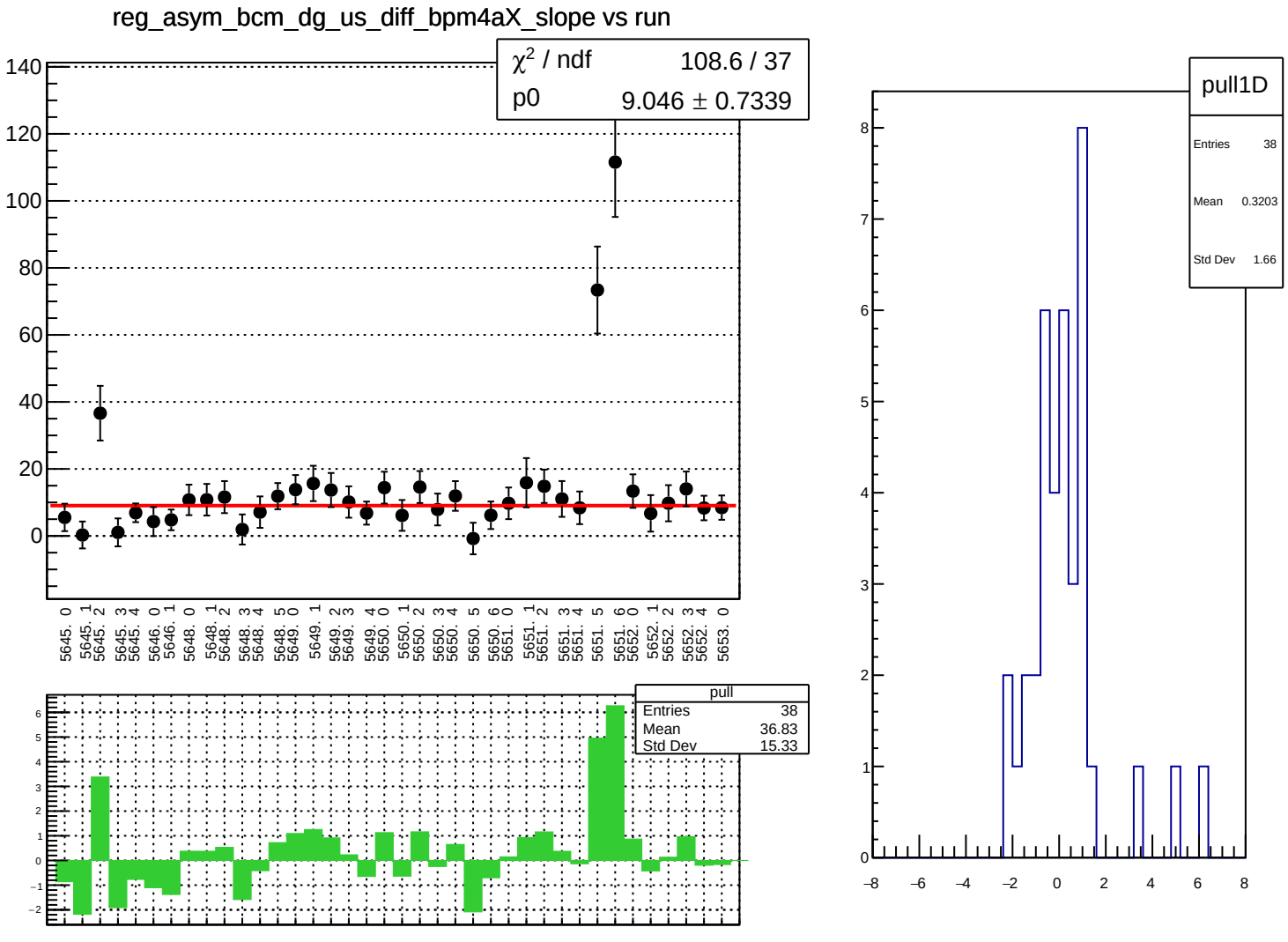

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 59.11 / 37
p0 3.913 ± 0.4286
10
0
−10
−20
−30
−40
−50
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 68.05
Std Dev 45.77
2
1
0
−1
−2
−3
pull1D
Entries 38
Mean −0.0975
Std Dev 1.243
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

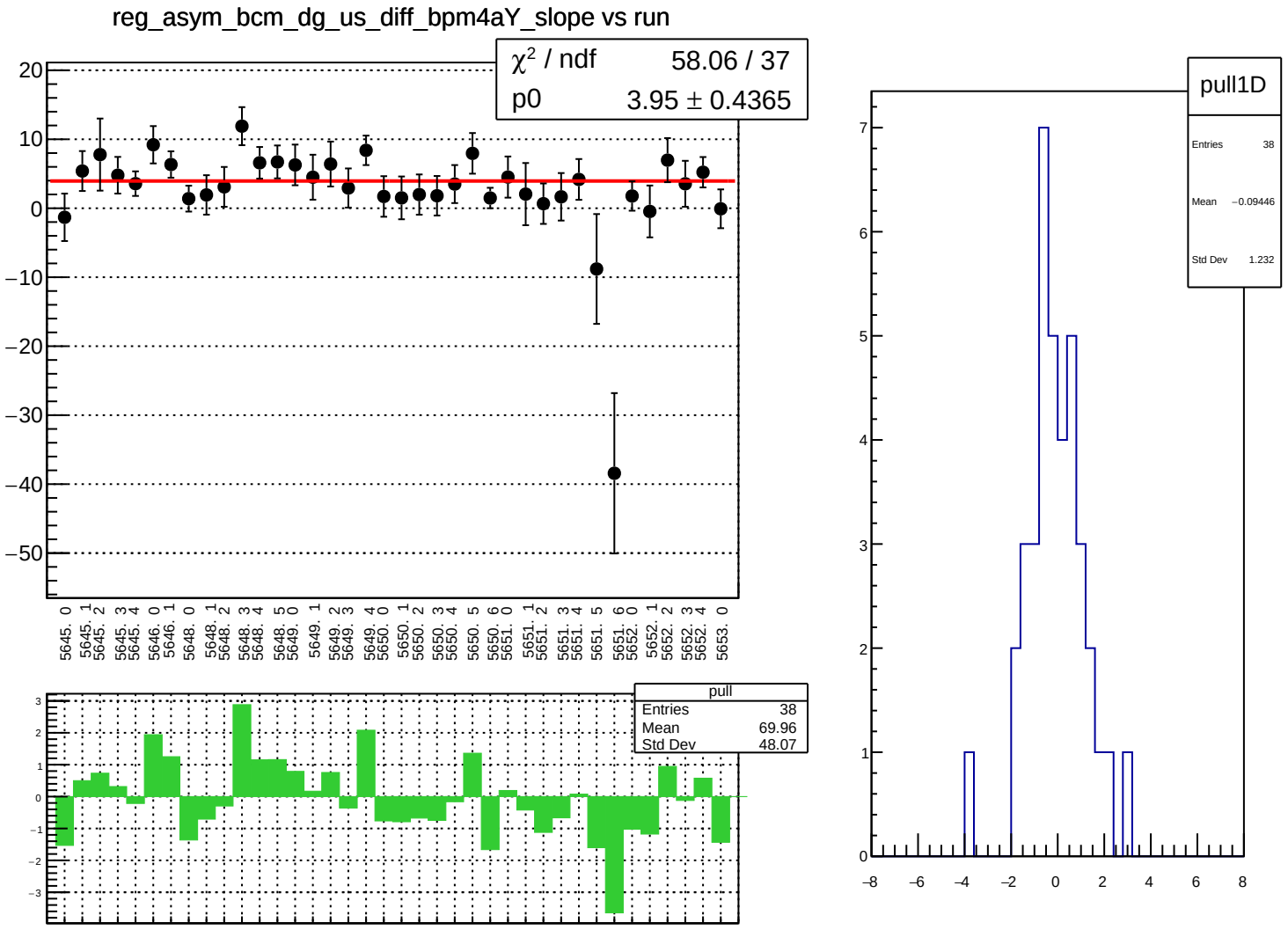

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 110.9 / 37
p0 −9.026 ± 0.7209
pull
Entries 38
Mean 36.74
Std Dev 15.17

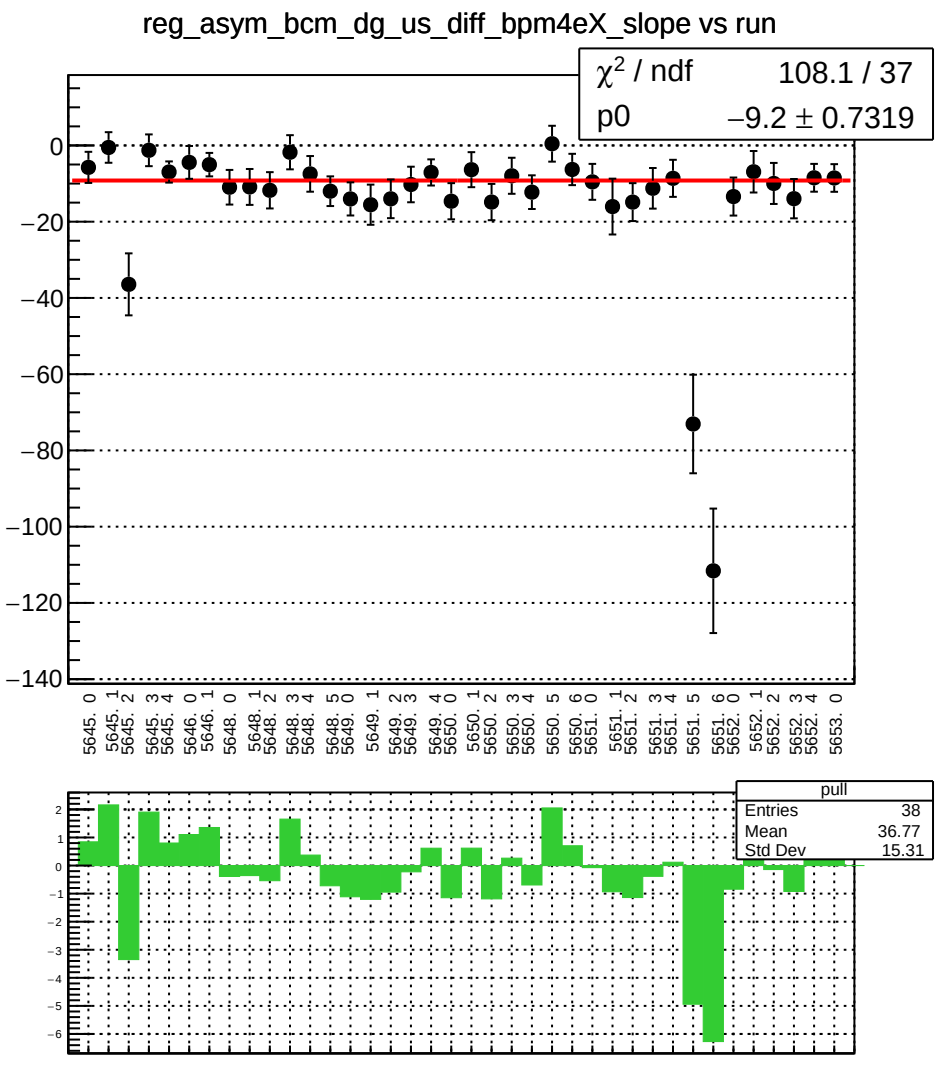

pull1D
Entries 38
Mean −0.308
Std Dev 1.68

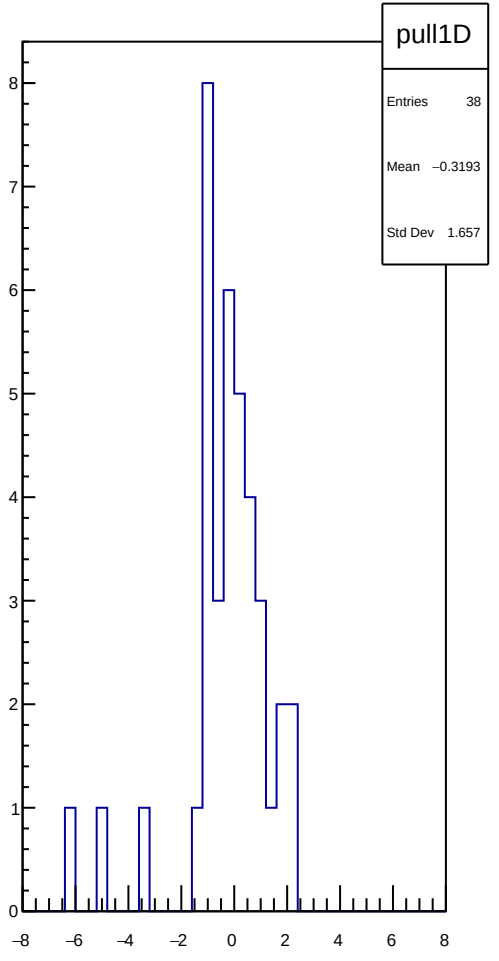

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 69.03 / 37
p0 −6.798 ± 0.5397
pull
Entries 38
Mean 82.16
Std Dev 61.27
pull1D
Entries 38
Mean 0.1039
Std Dev 1.344

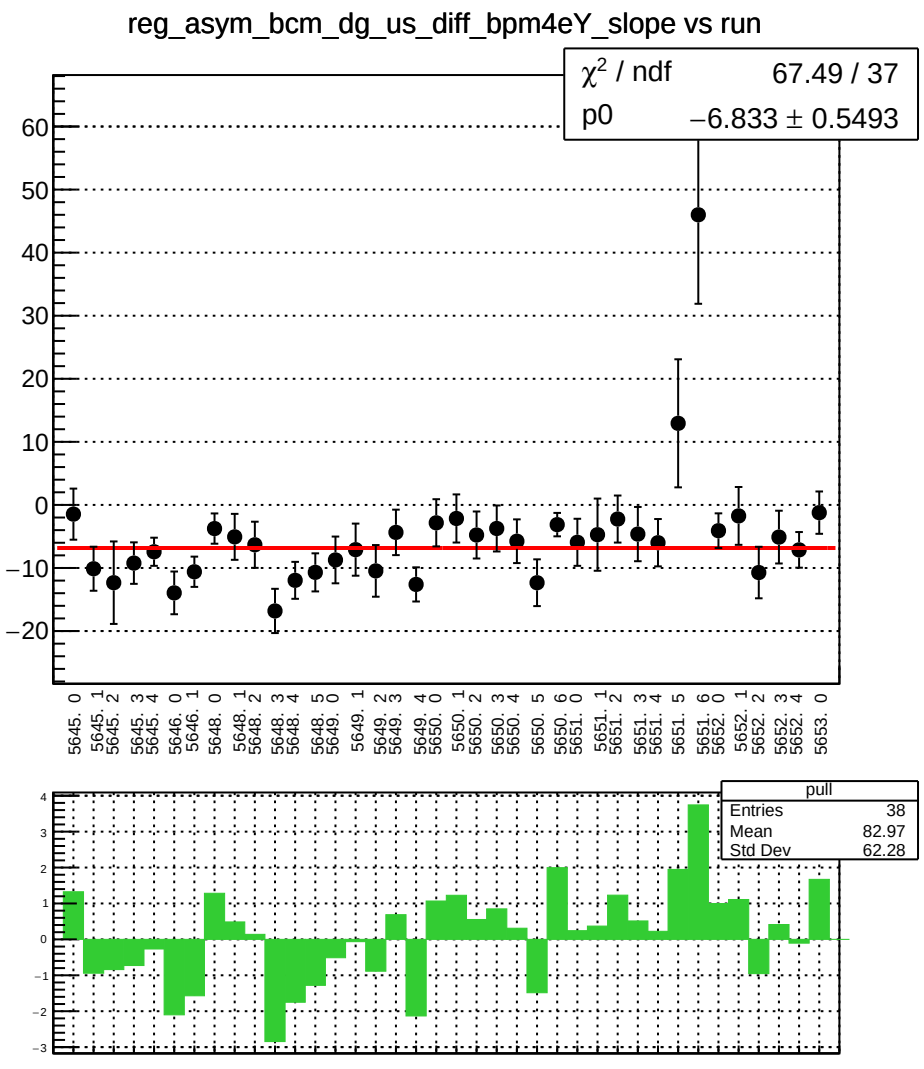

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 131.1 / 37
p0 0.05183 ± 0.01637
pull
Entries 38
Mean −0.868
Std Dev 15.14
pull1D
Entries 38
Mean 0.2648
Std Dev 1.838

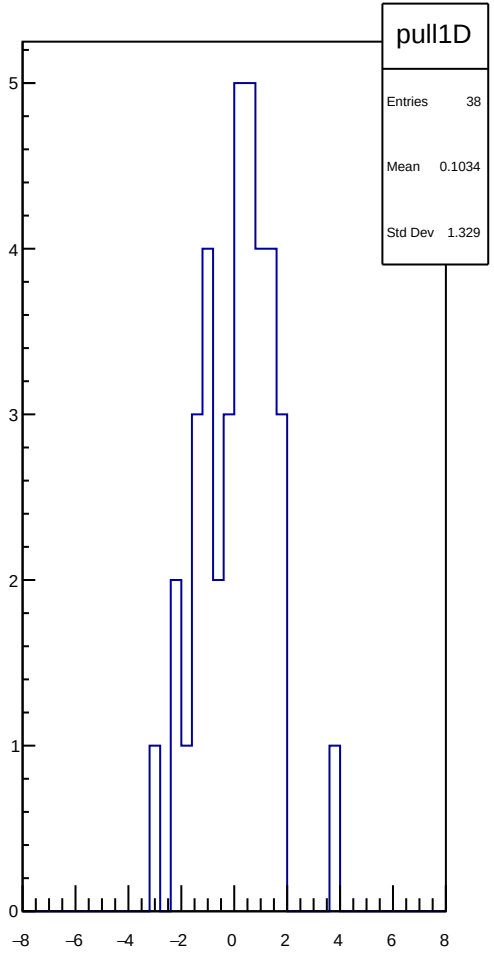

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 108.6 / 37
p0 9.046 ± 0.7339
140
120
100
80
60
40
20
0
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 36.83
Std Dev 15.33
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 38
Mean 0.3203
Std Dev 1.66
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

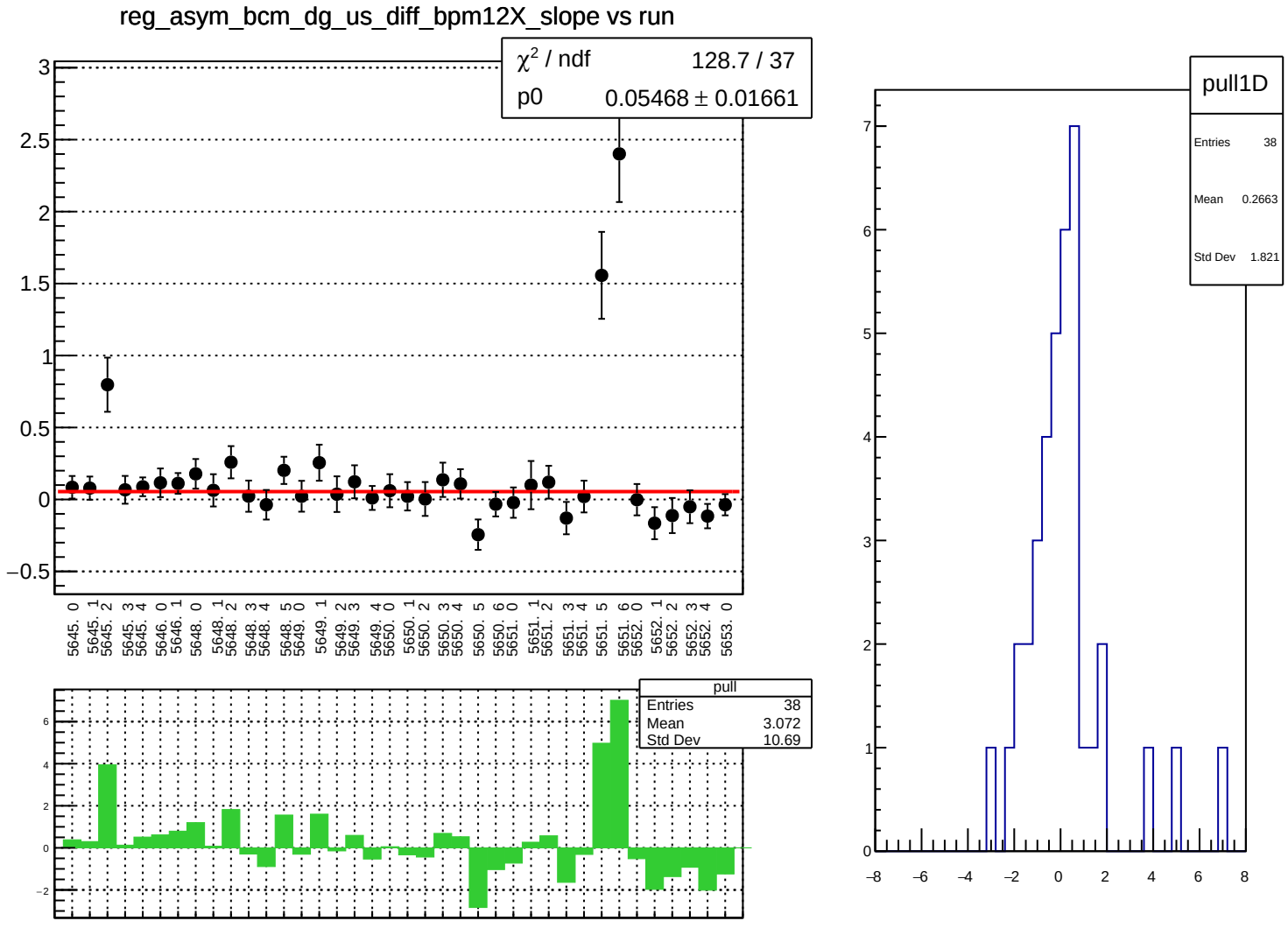

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 58.06 / 37
p0 3.95 ± 0.4365
pull
Entries 38
Mean 69.96
Std Dev 48.07
pull1D
Entries 38
Mean −0.09446
Std Dev 1.232


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 108.1 / 37
p0 −9.2 ± 0.7319
0
−20
−40
−60
−80
−100
−120
−140
5645. 0
5645. 1
5645. 2
5645. 3
5645. 4
5646. 0
5646. 1
5648. 0
5648. 1
5648. 2
5648. 3
5648. 4
5648. 5
5649. 0
5649. 1
5649. 2
5649. 3
5649. 4
5650. 0
5650. 1
5650. 2
5650. 3
5650. 4
5650. 5
5650. 6
5651. 0
5651. 1
5651. 2
5651. 3
5651. 4
5651. 5
5651. 6
5652. 0
5652. 1
5652. 2
5652. 3
5652. 4
5653. 0
pull
Entries 38
Mean 36.77
Std Dev 15.31
2
1
0
−1
−2
−3
−4
−5
−6


pull1D
Entries 38
Mean −0.3193
Std Dev 1.657
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 67.49 / 37
p0 −6.833 ± 0.5493
pull
Entries 38
Mean 82.97
Std Dev 62.28


pull1D
Entries 38
Mean 0.1034
Std Dev 1.329


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 128.7 / 37
p0 0.05468 ± 0.01661
pull
Entries 38
Mean 3.072
Std Dev 10.69
pull1D
Entries 38
Mean 0.2663
Std Dev 1.821