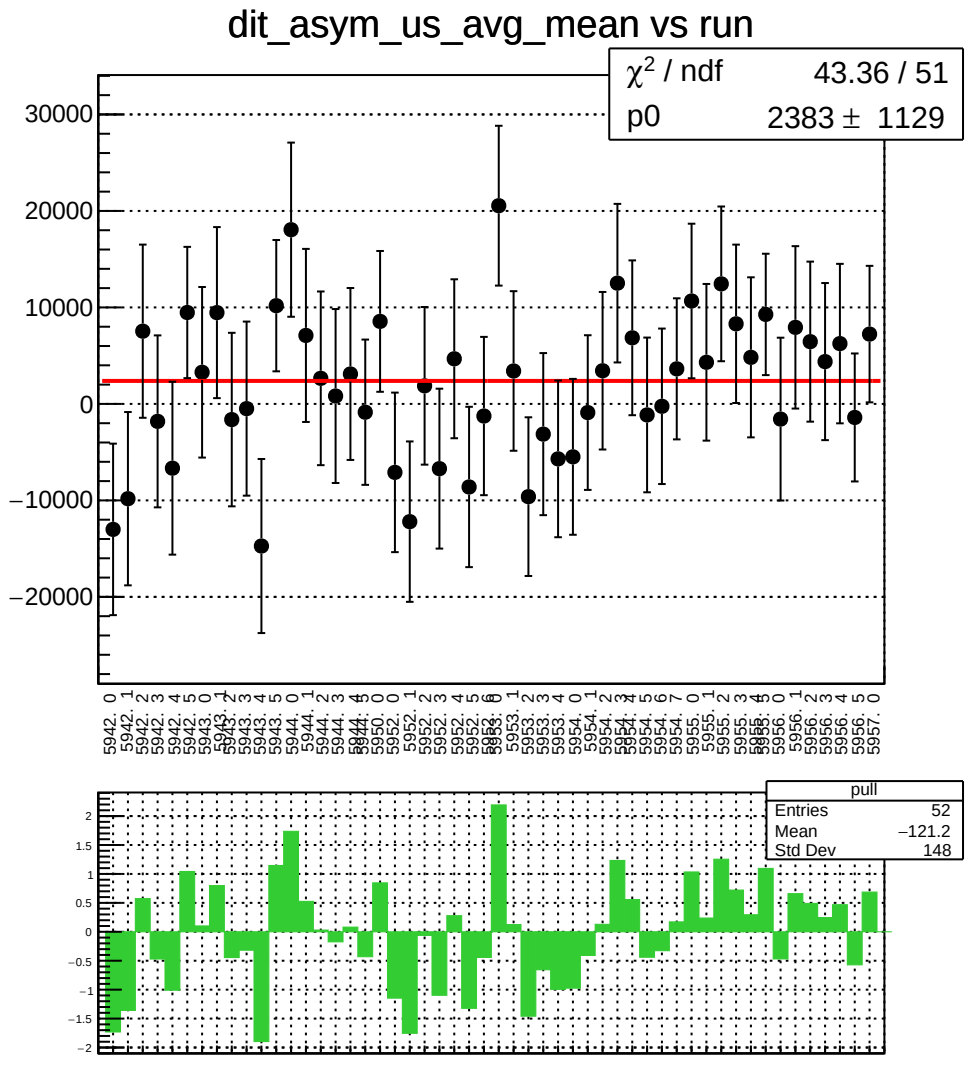
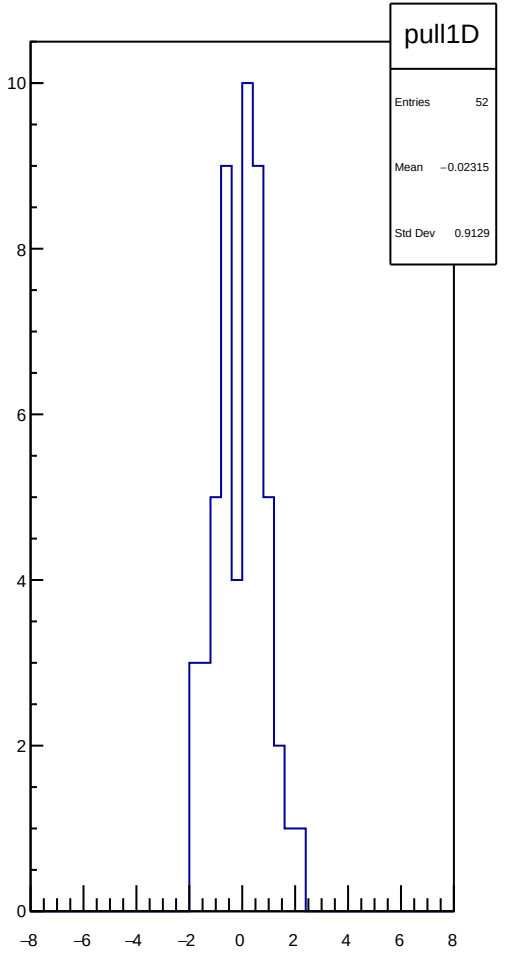
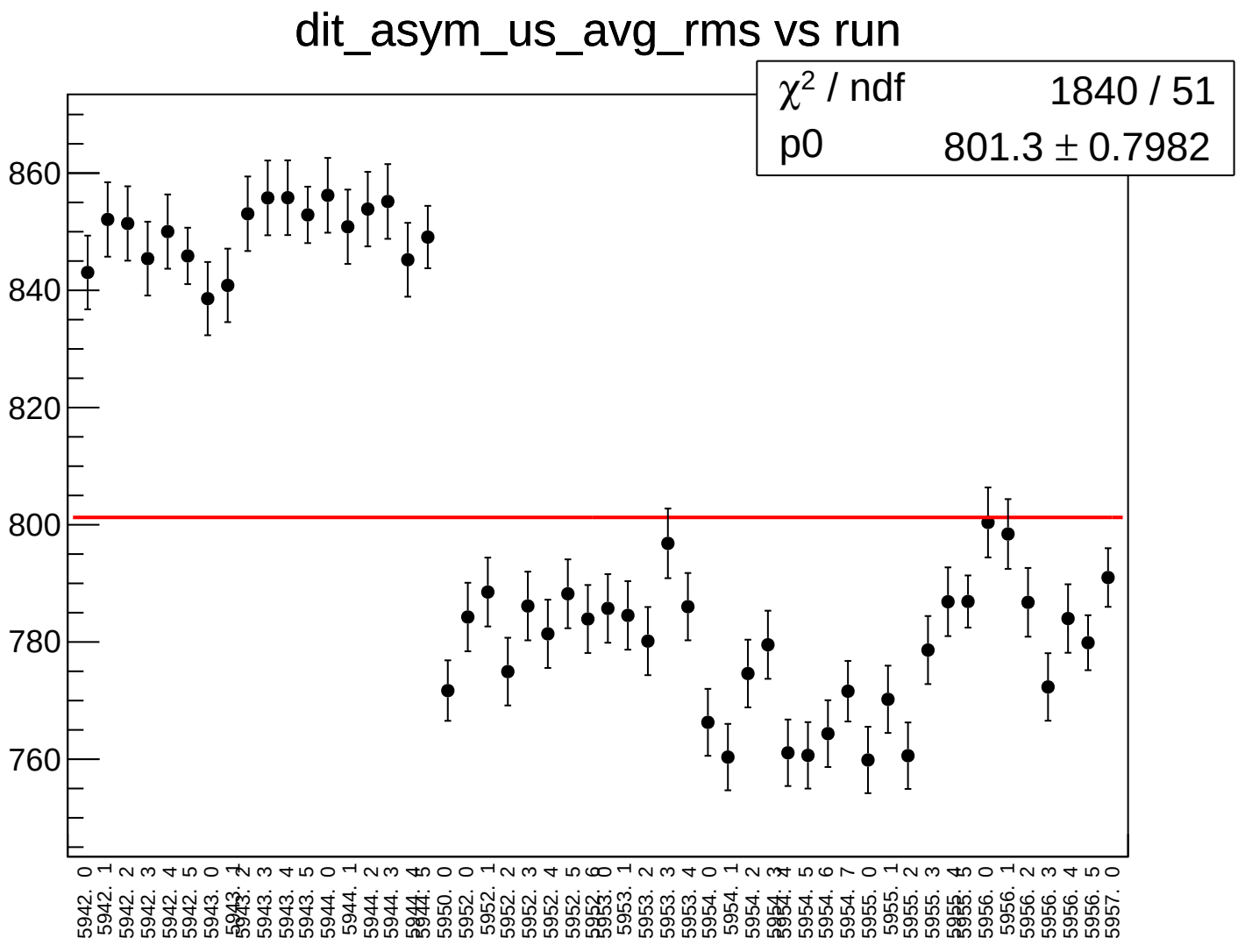
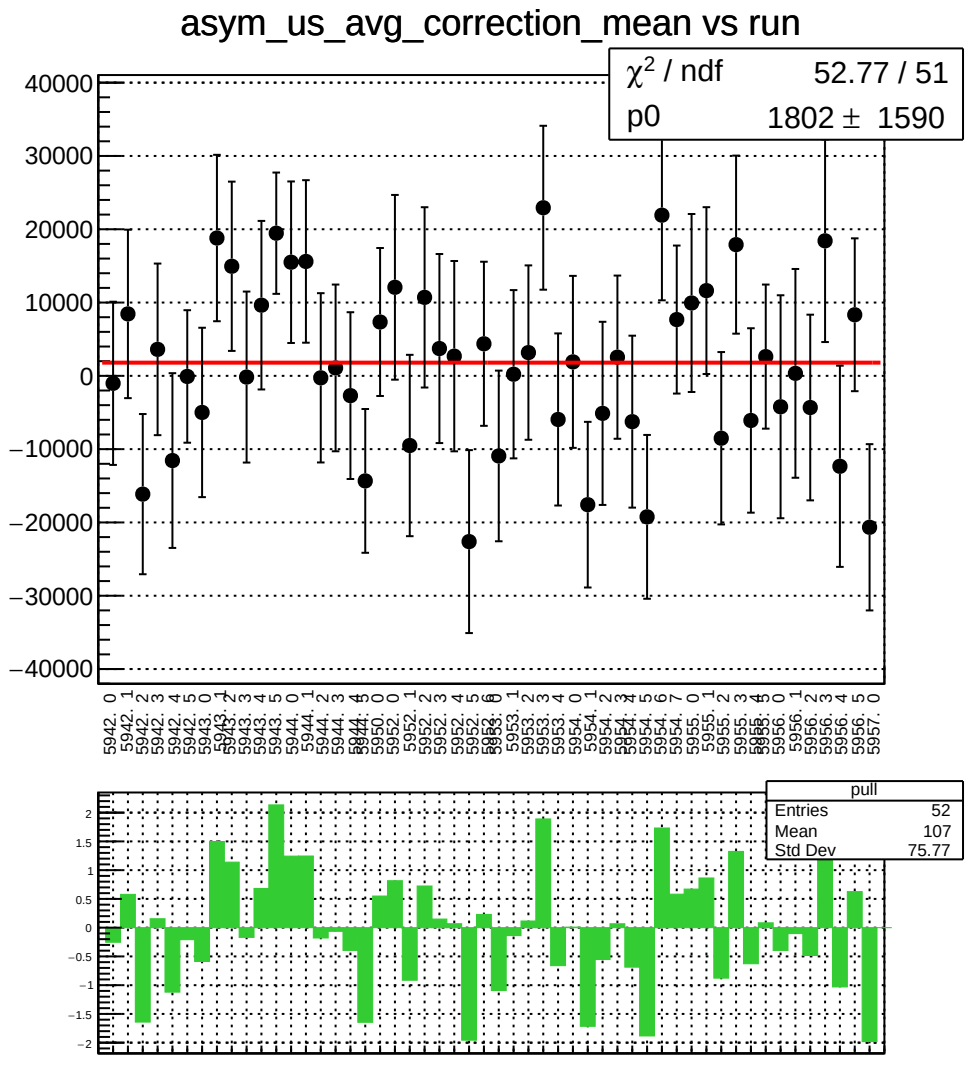
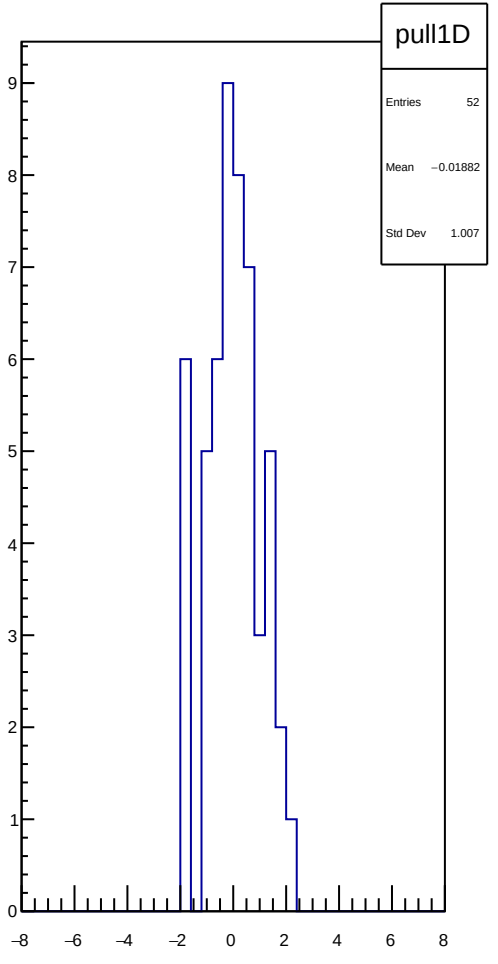
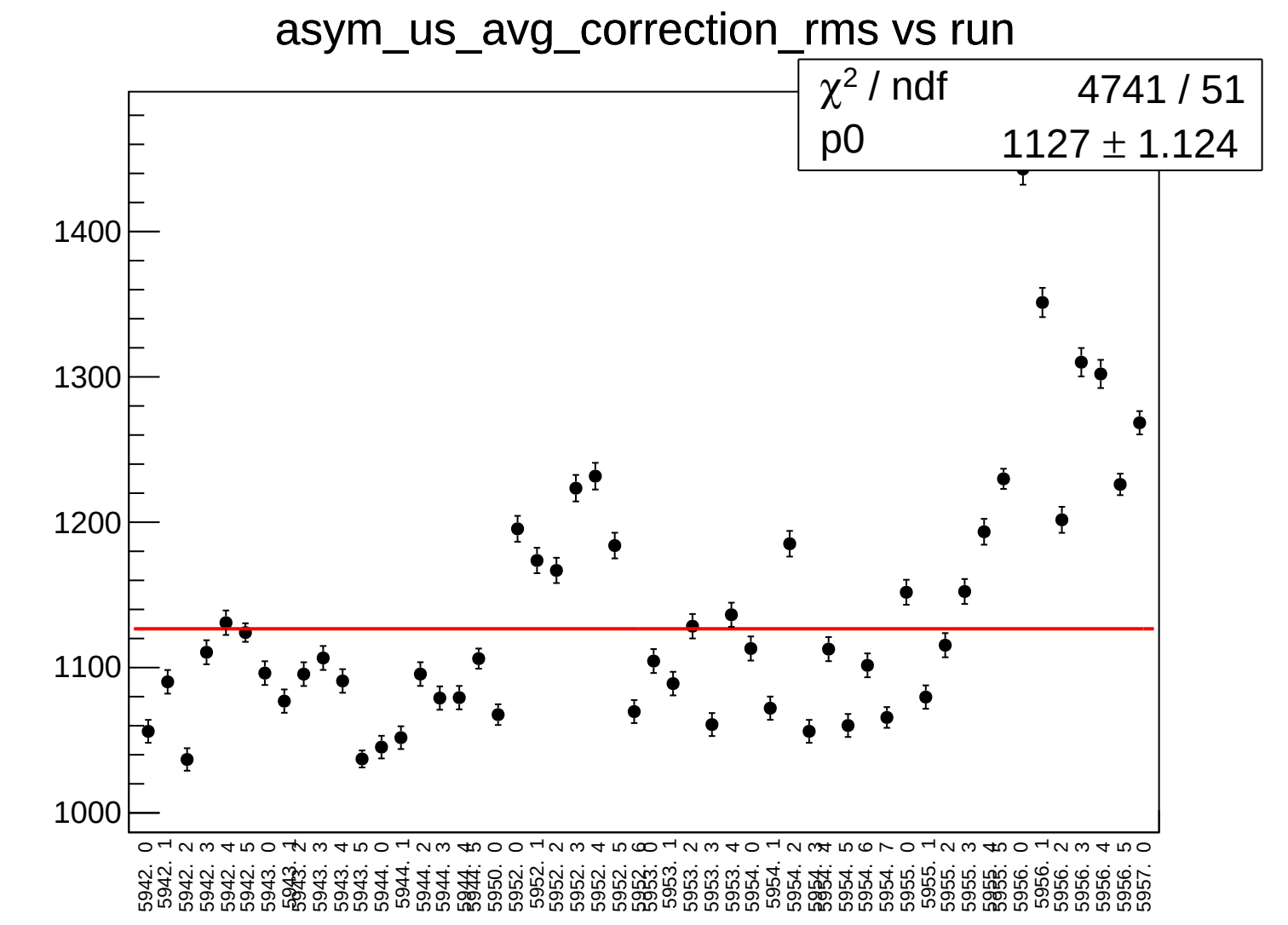

dit_asym_us_avg_mean vs run
χ² / ndf 43.36 / 51
p0 2383 ± 1129
pull
Entries 52
Mean −121.2
Std Dev 148

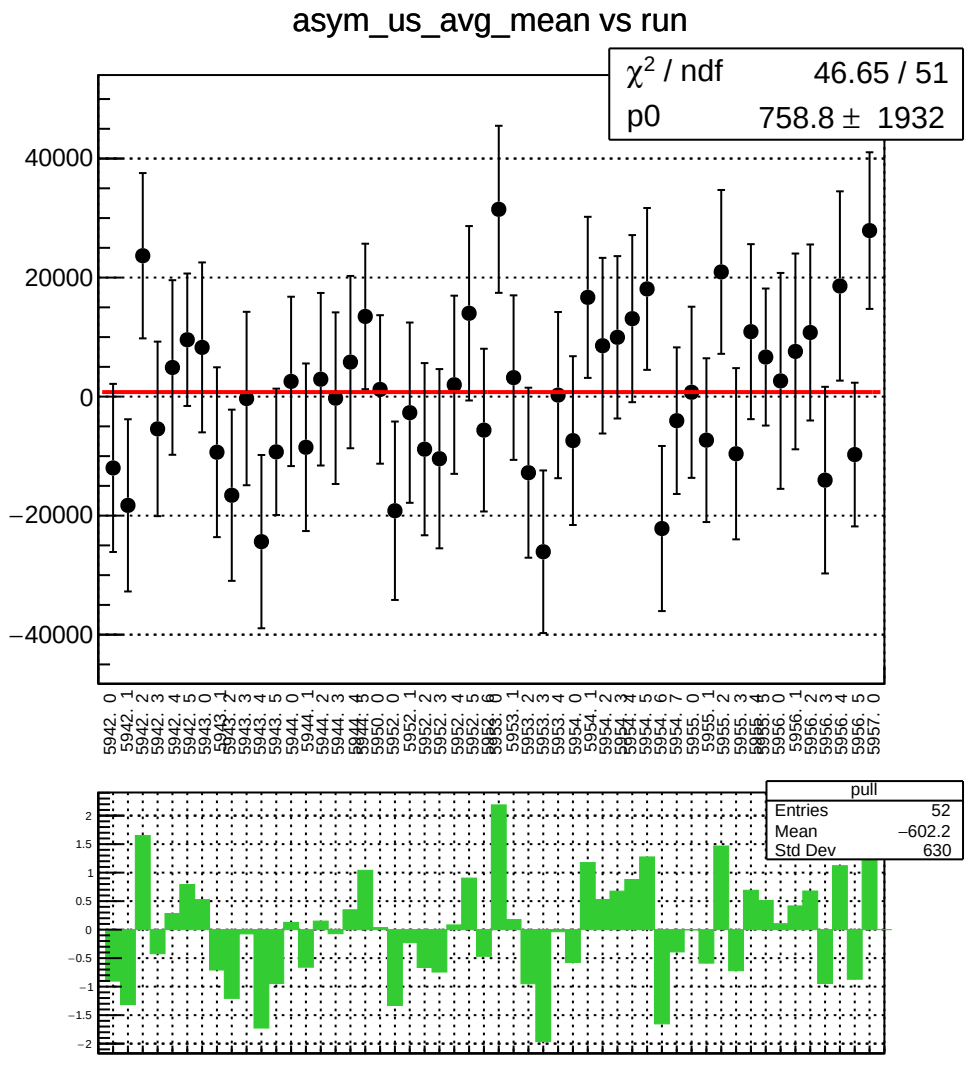

pull1D
Entries 52
Mean −0.02315
Std Dev 0.9129

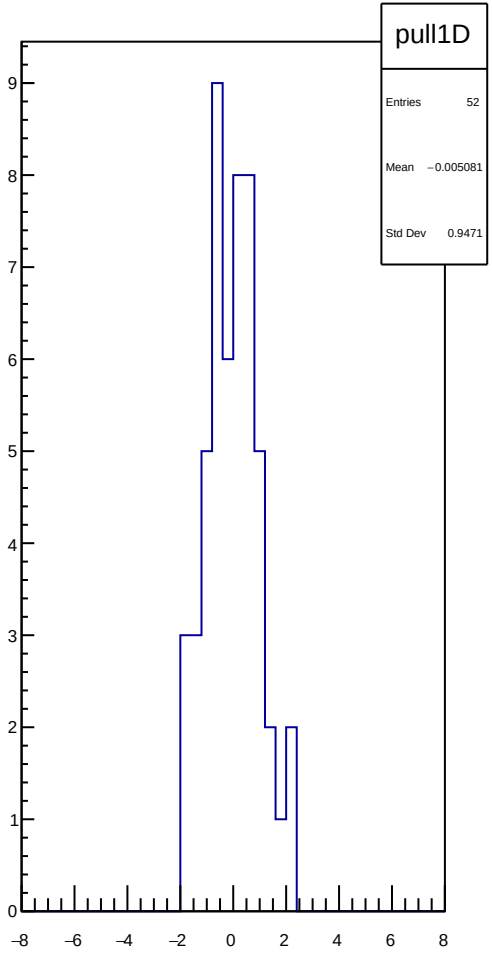

dit_asym_us_avg_rms vs run
χ² / ndf 1840 / 51
p0 801.3 ± 0.7982
860
840
820
800
780
760
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

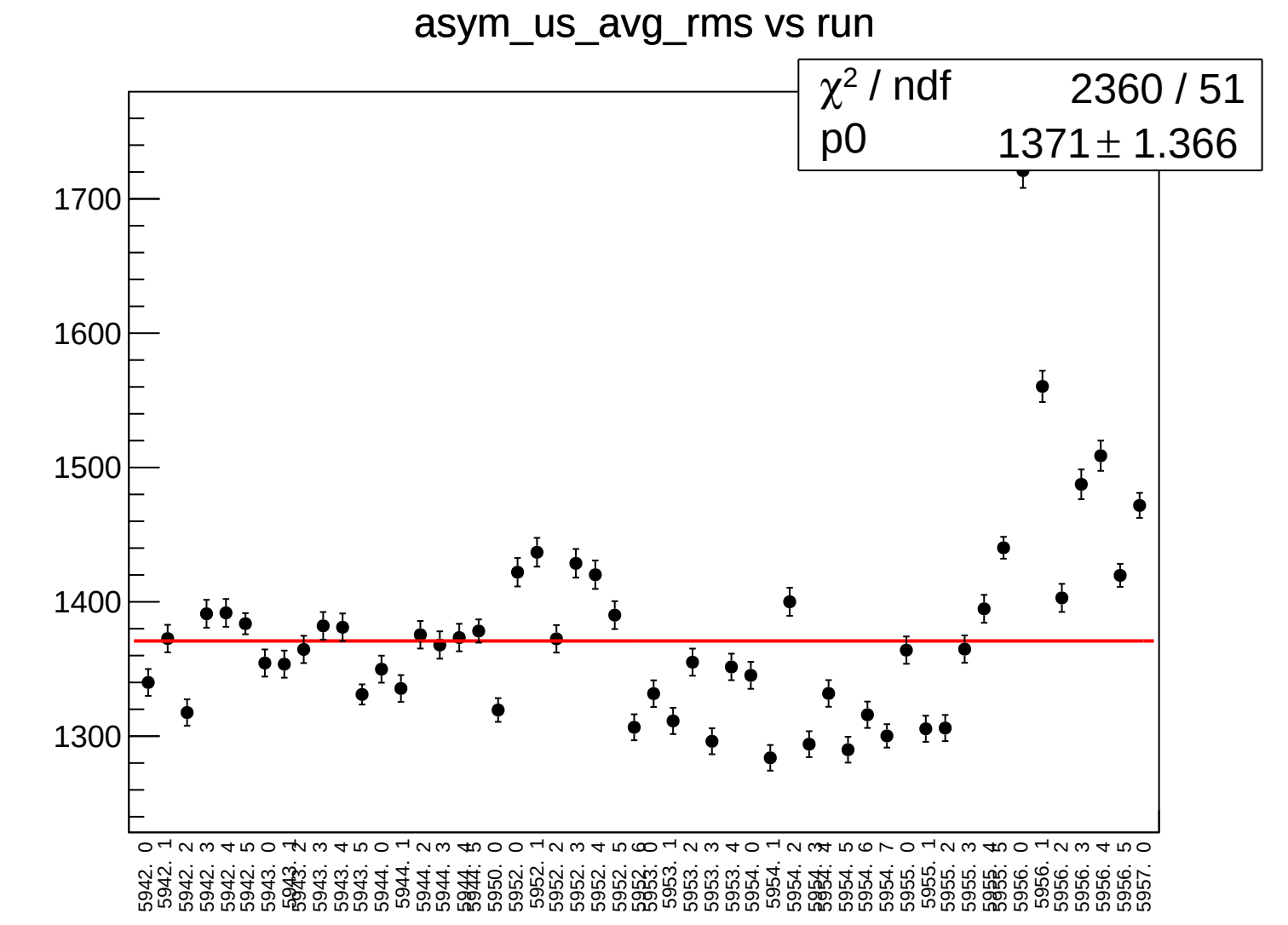

asym_us_avg_correction_mean vs run
χ² / ndf 52.77 / 51
p0 1802 ± 1590
pull
Entries 52
Mean 107
Std Dev 75.77

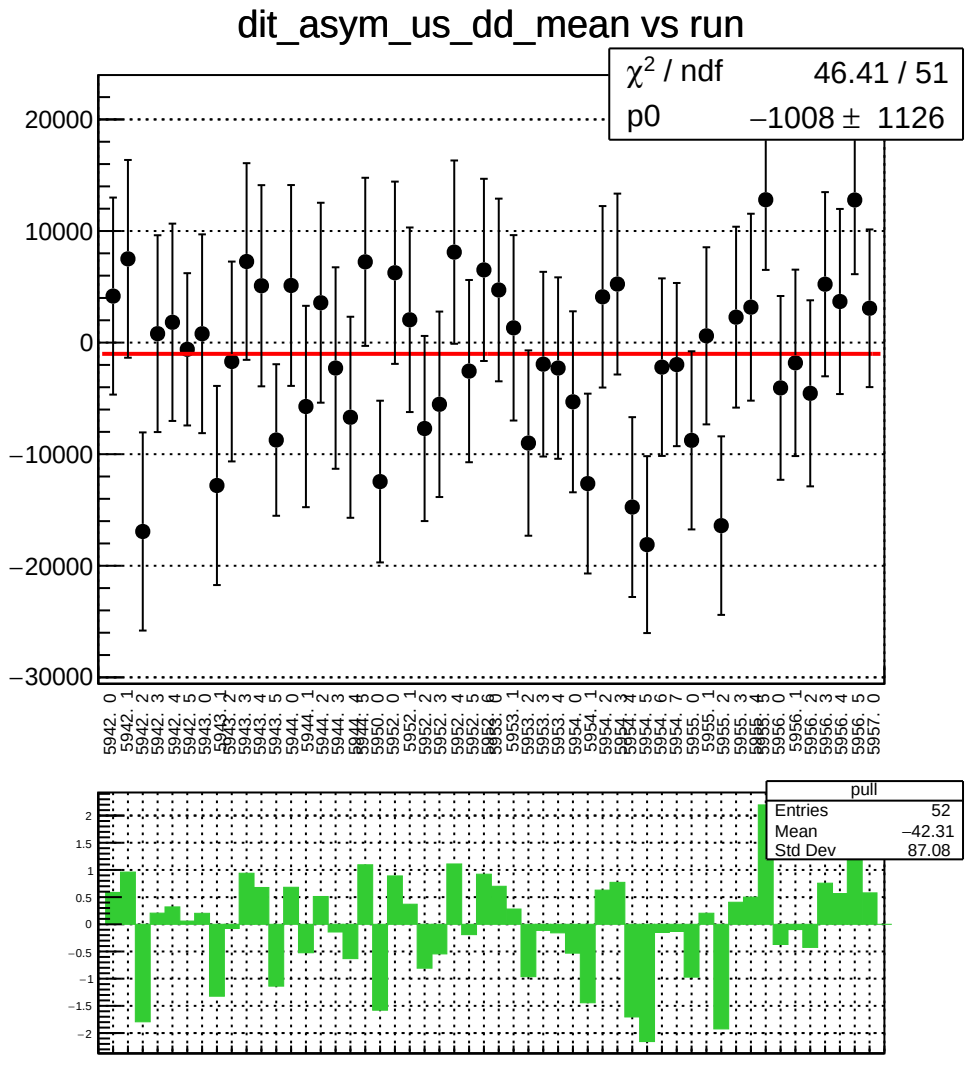

pull1D
Entries 52
Mean −0.01882
Std Dev 1.007

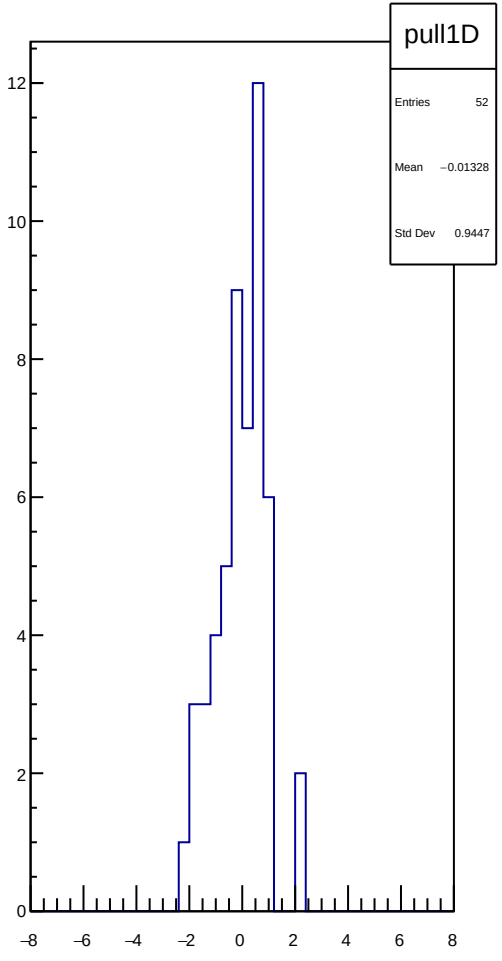

asym_us_avg_correction_rms vs run
χ² / ndf 4741 / 51
p0 1127 ± 1.124
1400
1300
1200
1100
1000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

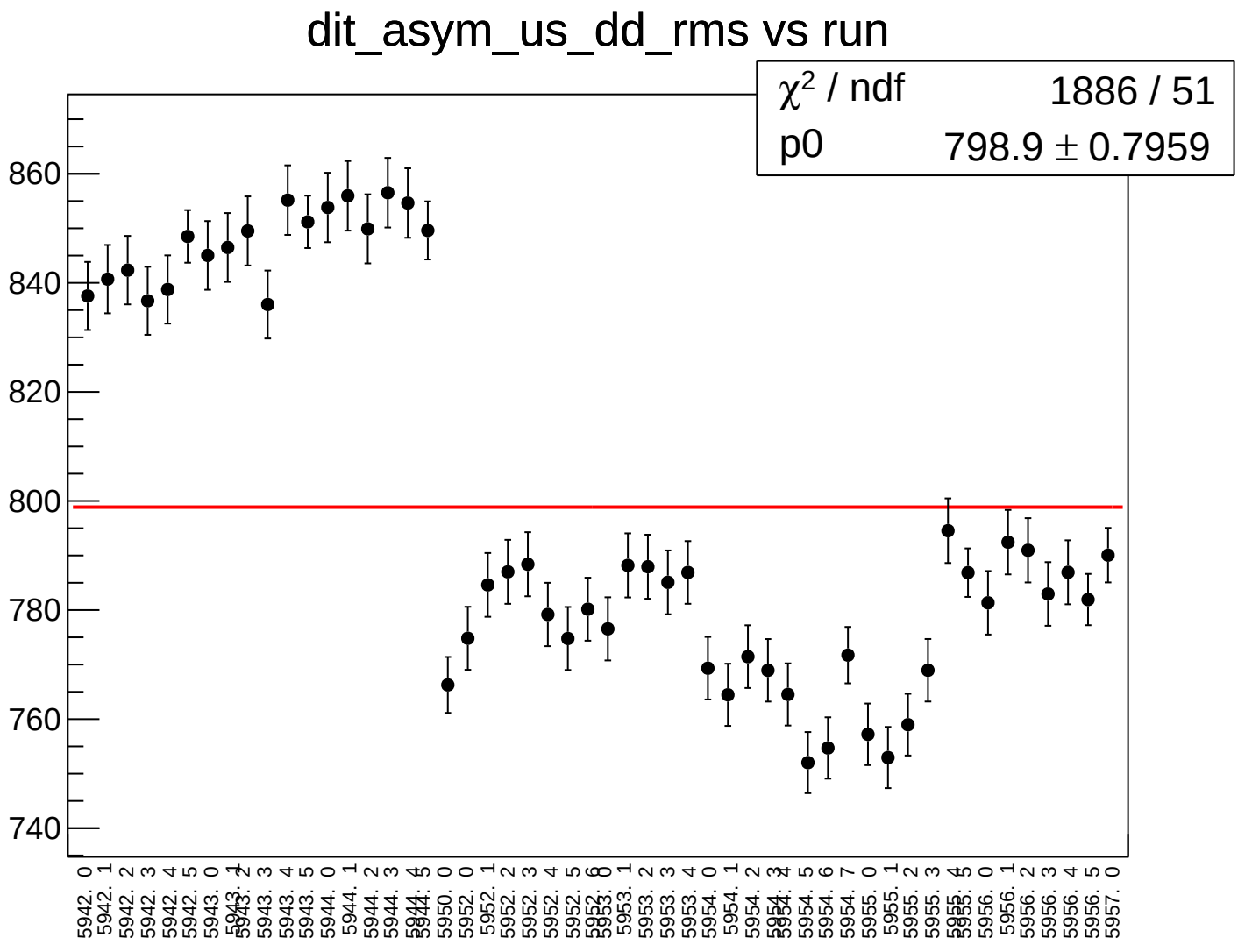

asym_us_avg_mean vs run
χ² / ndf 46.65 / 51
p0 758.8 ± 1932
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −602.2
Std Dev 630
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.005081
Std Dev 0.9471
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_rms vs run
χ² / ndf 2360 / 51
p0 1371 ± 1.366
1700
1600
1500
1400
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0


dit_asym_us_dd_mean vs run
χ² / ndf 46.41 / 51
p0 −1008 ± 1126
pull
Entries 52
Mean −42.31
Std Dev 87.08


pull1D
Entries 52
Mean −0.01328
Std Dev 0.9447


dit_asym_us_dd_rms vs run
χ² / ndf 1886 / 51
p0 798.9 ± 0.7959
860
840
820
800
780
760
740
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
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5952. 4
5952. 5
5953. 1
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5953. 4
5954. 0
5954. 1
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5954. 7
5955. 0
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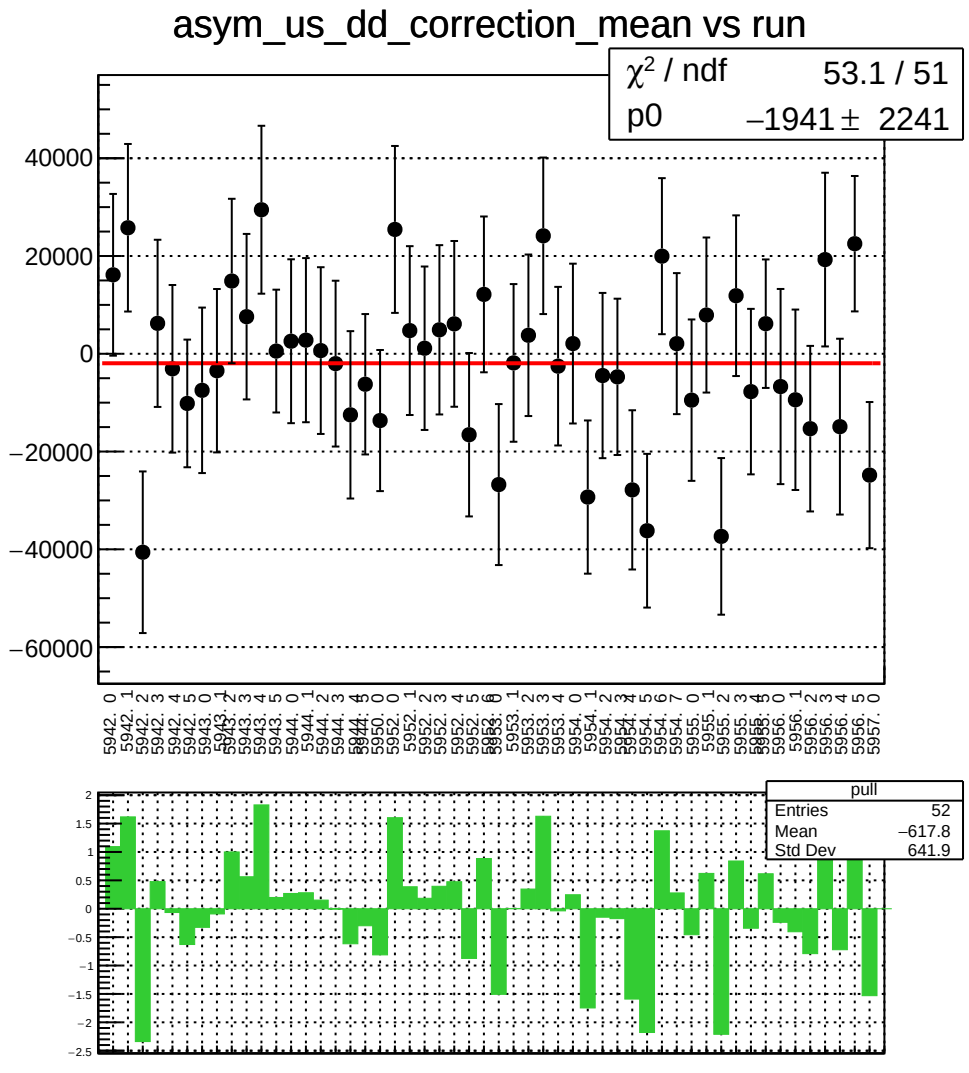
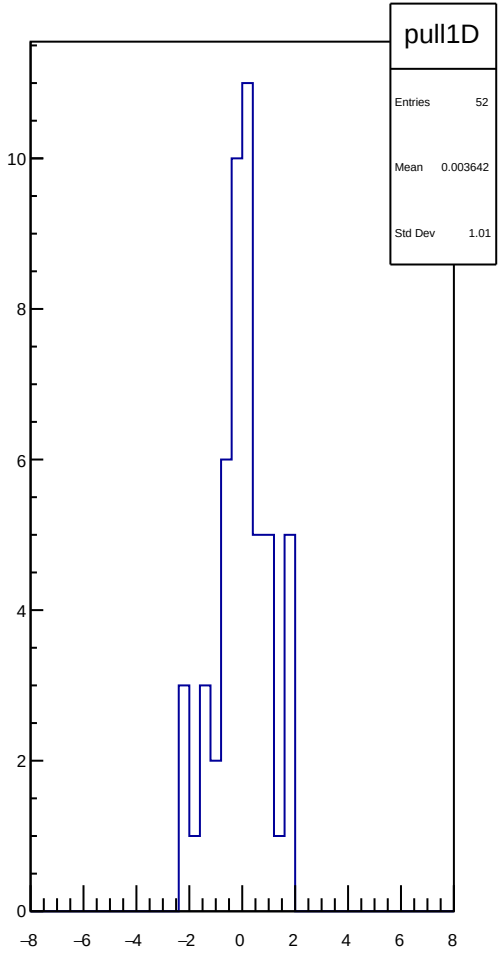
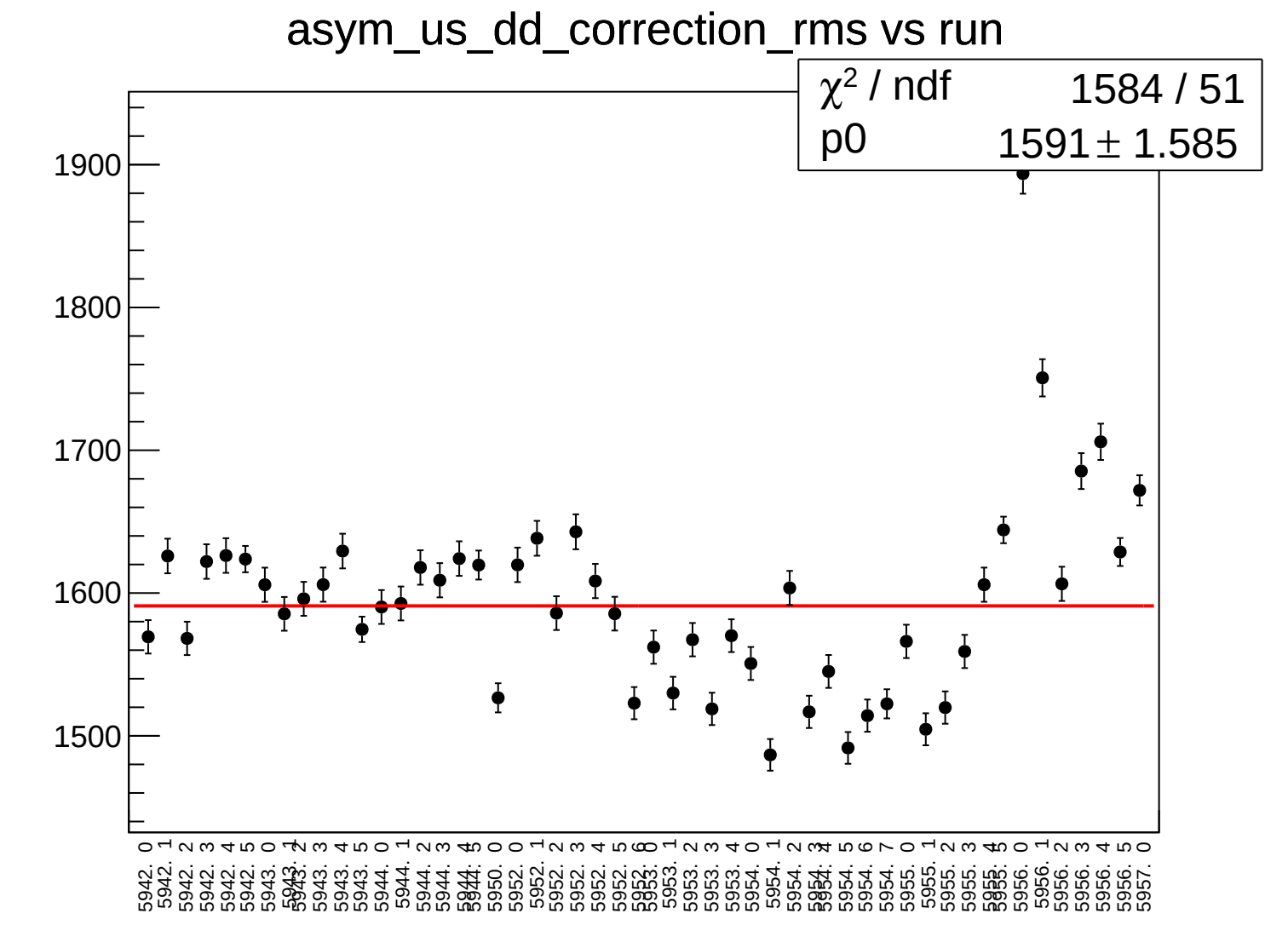
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0


asym_us_dd_correction_mean vs run
χ² / ndf 53.1 / 51
p0 −1941 ± 2241
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −617.8
Std Dev 641.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean 0.003642
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_correction_rms vs run
χ² / ndf 1584 / 51
p0 1591 ± 1.585
1900
1800
1700
1600
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
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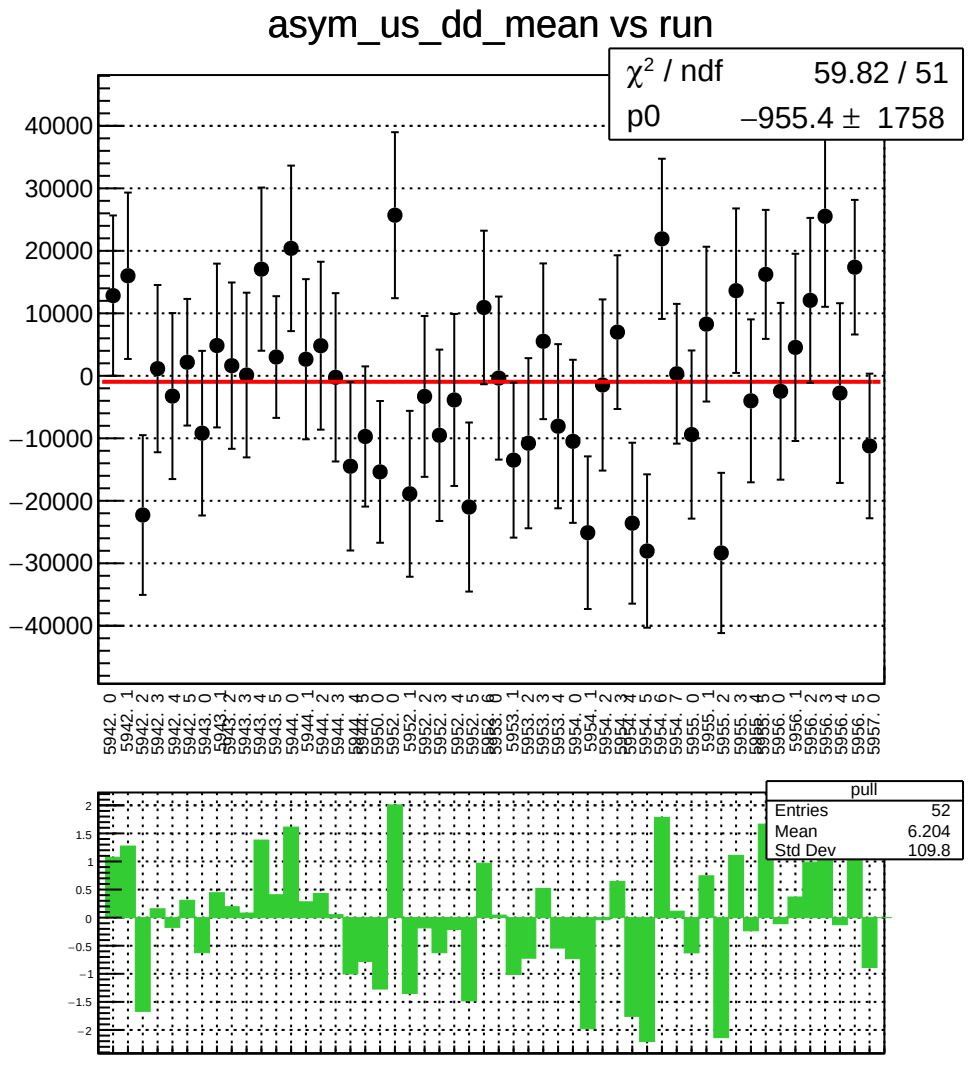
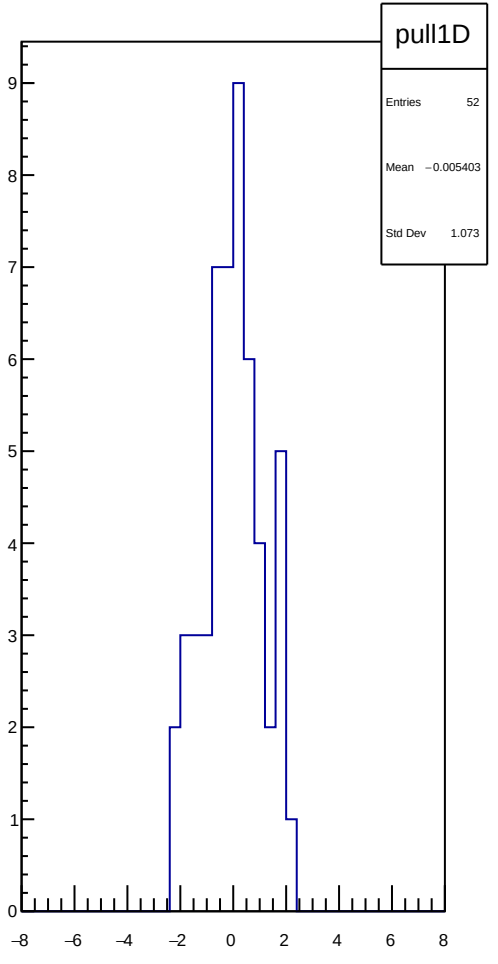
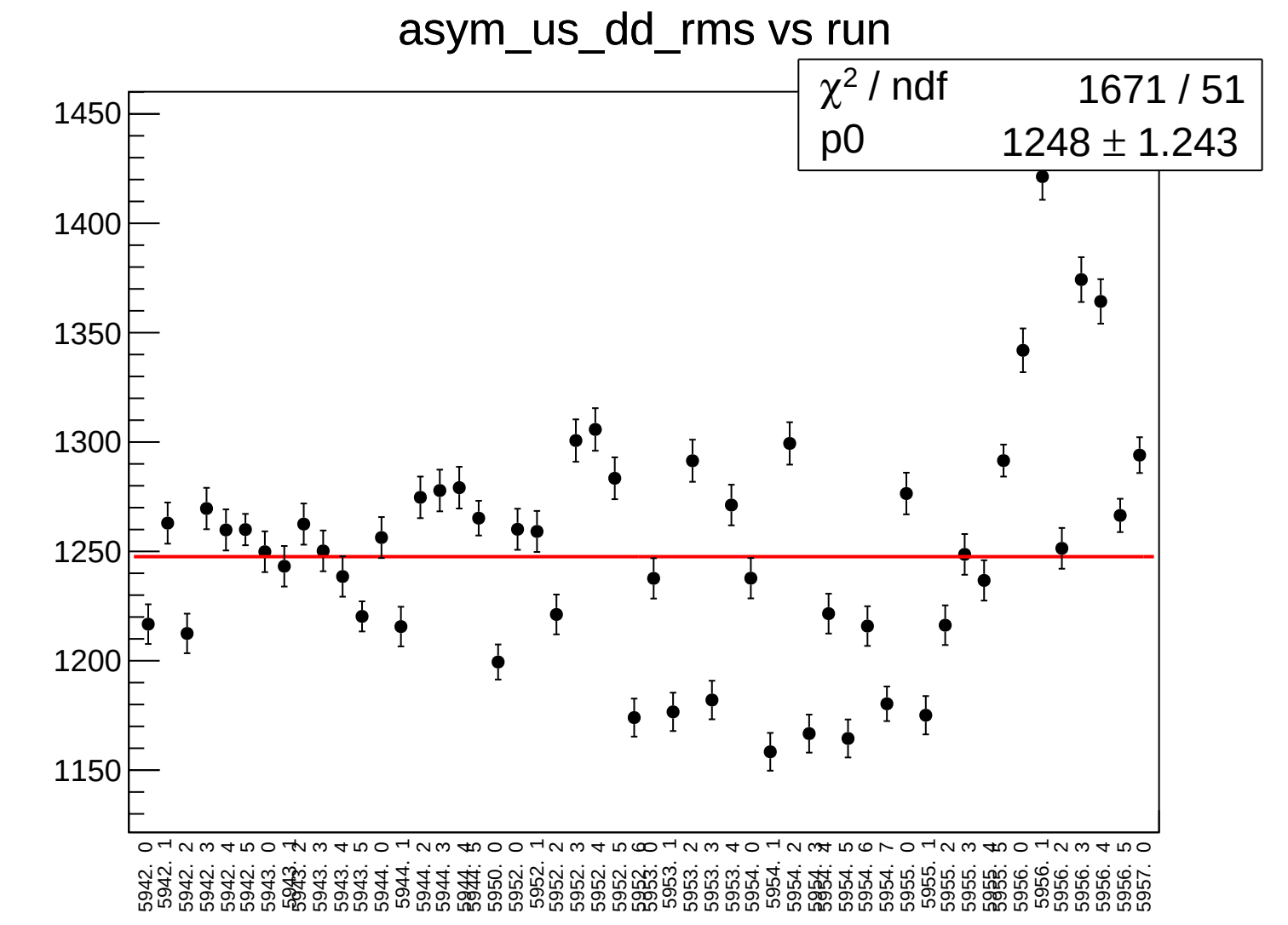
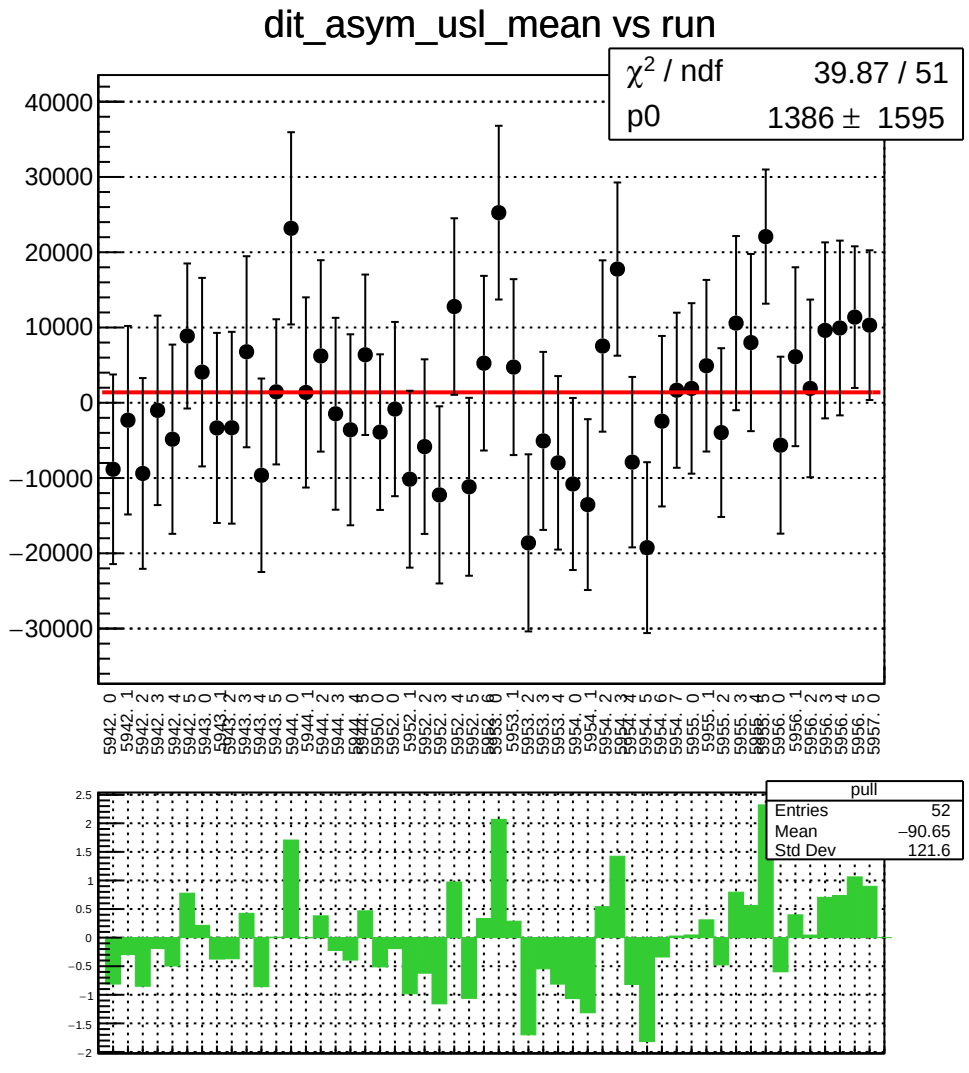
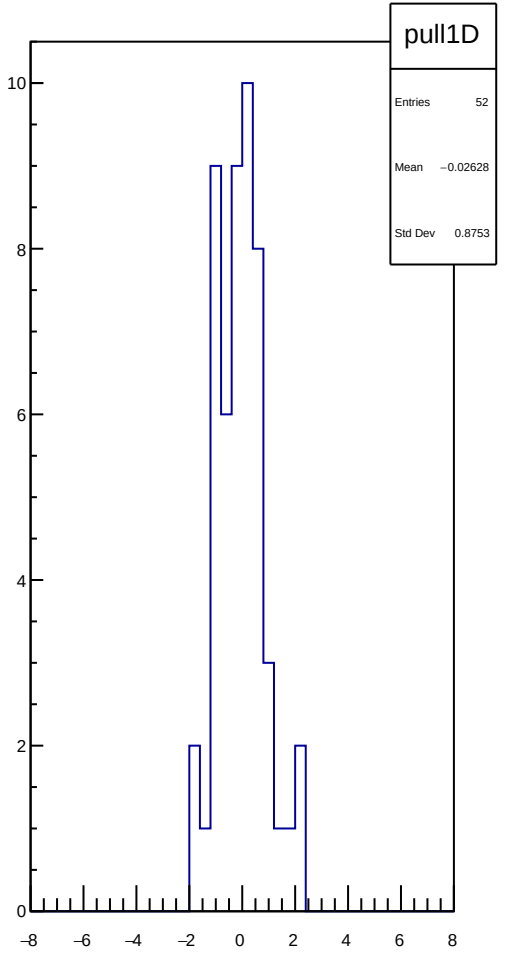
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

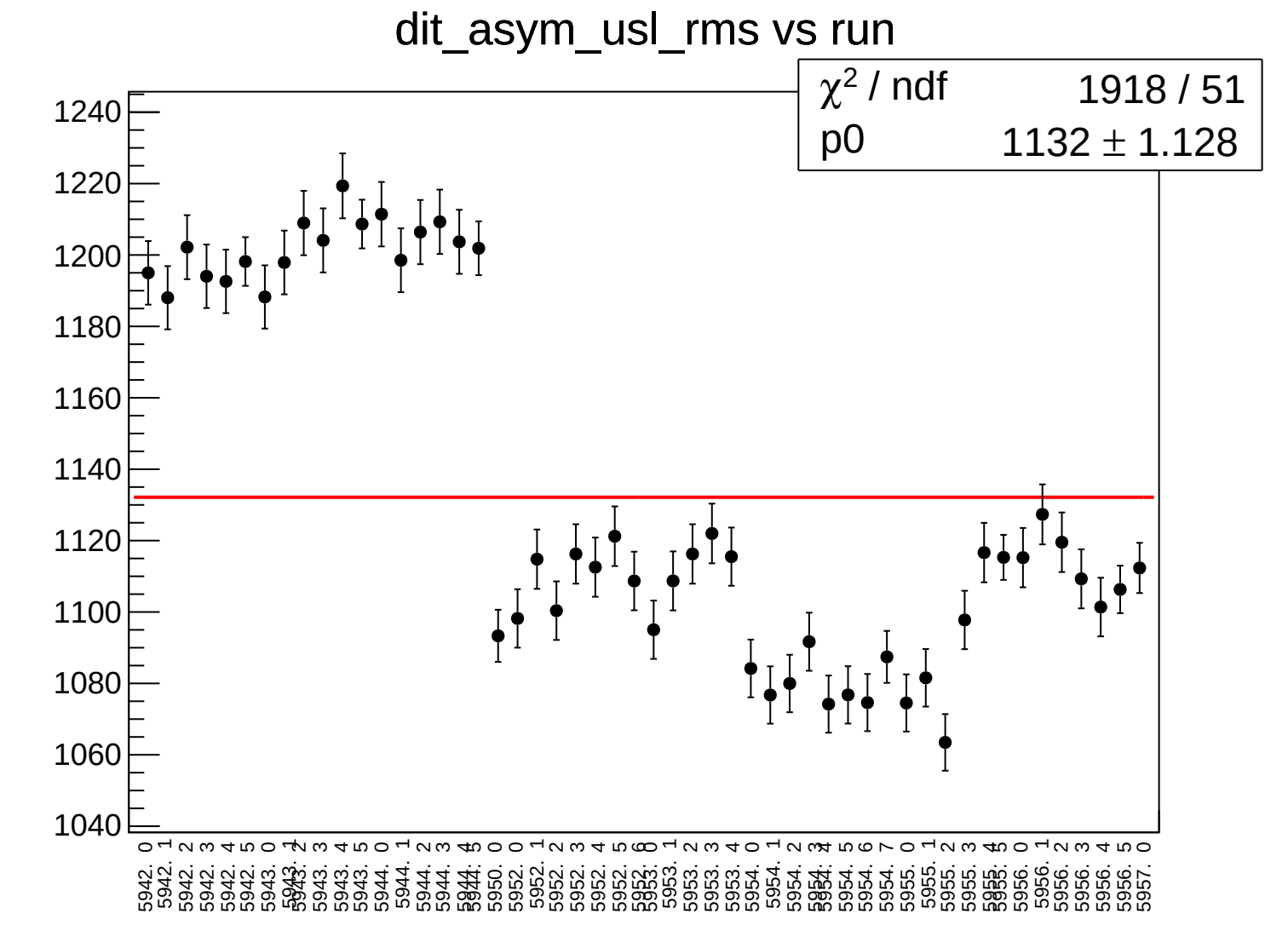

asym_us_dd_mean vs run
χ² / ndf 59.82 / 51
p0 −955.4 ± 1758
pull
Entries 52
Mean 6.204
Std Dev 109.8

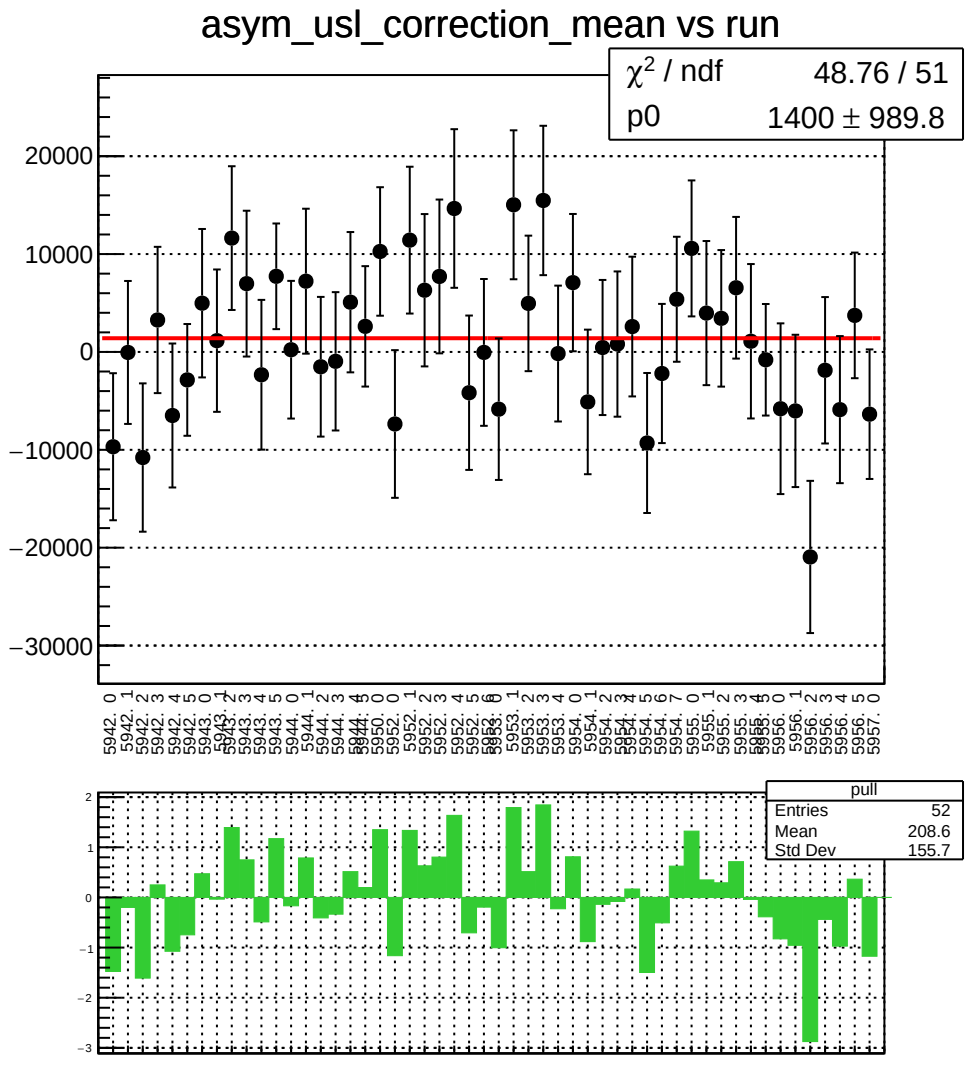

pull1D
Entries 52
Mean −0.005403
Std Dev 1.073

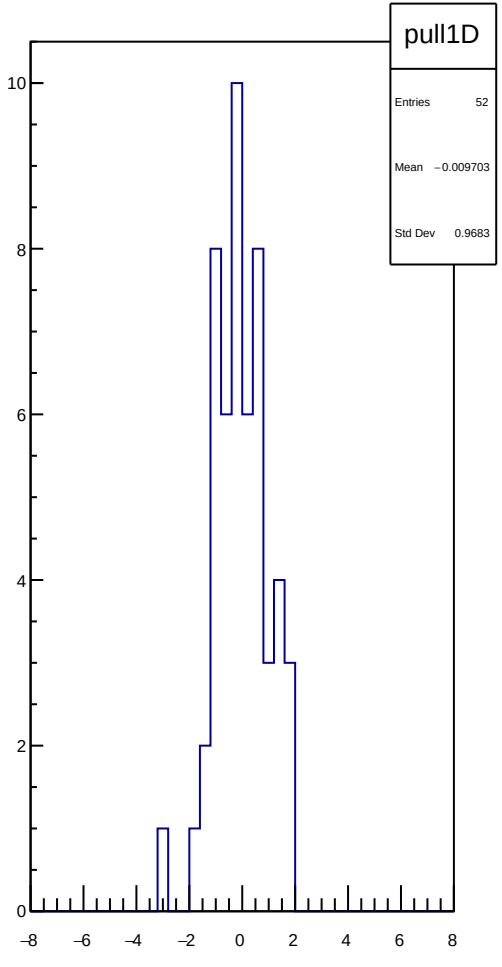

asym_us_dd_rms vs run
χ² / ndf 1671 / 51
p0 1248 ± 1.243
1450
1400
1350
1300
1250
1200
1150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

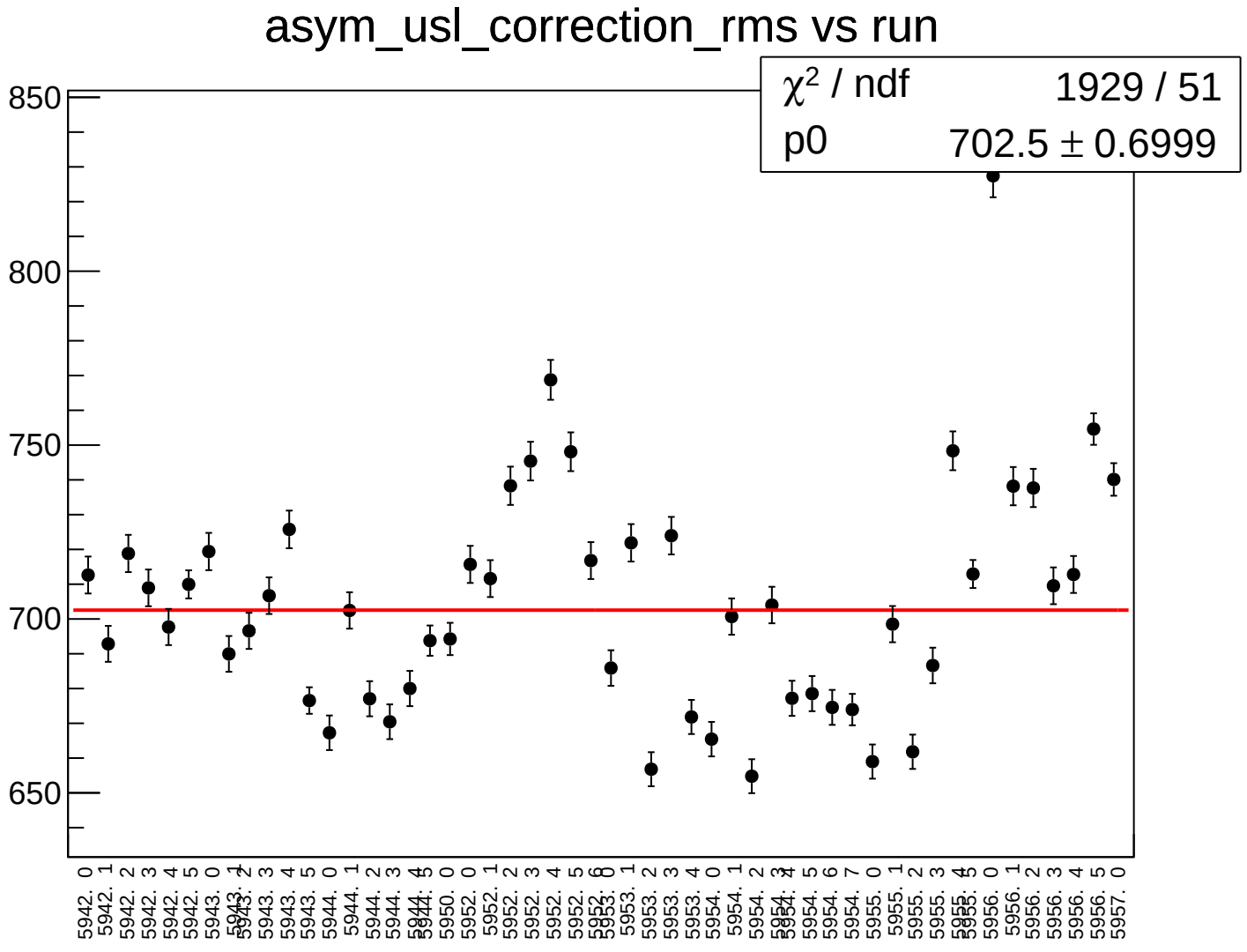

dit_asym_usl_mean vs run
χ² / ndf 39.87 / 51
p0 1386 ± 1595
pull
Entries 52
Mean −90.65
Std Dev 121.6


pull1D
Entries 52
Mean −0.02628
Std Dev 0.8753


dit_asym_usl_rms vs run
χ² / ndf 1918 / 51
p0 1132 ± 1.128
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0


asym_usl_correction_mean vs run
χ² / ndf 48.76 / 51
p0 1400 ± 989.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 208.6
Std Dev 155.7
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.009703
Std Dev 0.9683
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_correction_rms vs run
χ² / ndf 1929 / 51
p0 702.5 ± 0.6999
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
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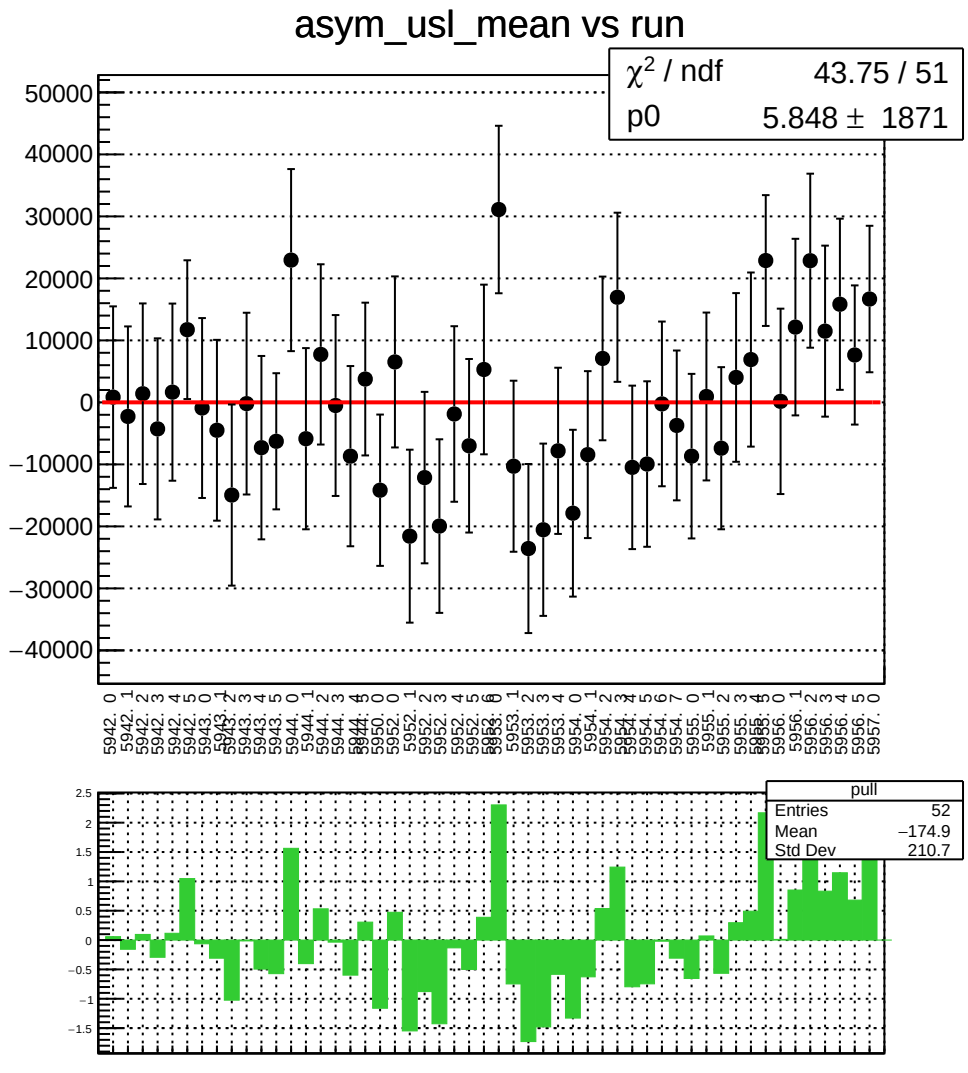
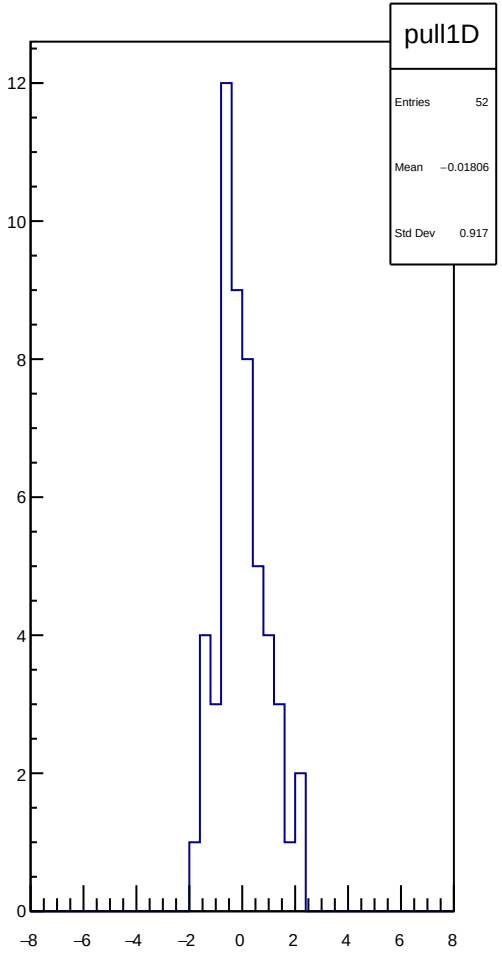
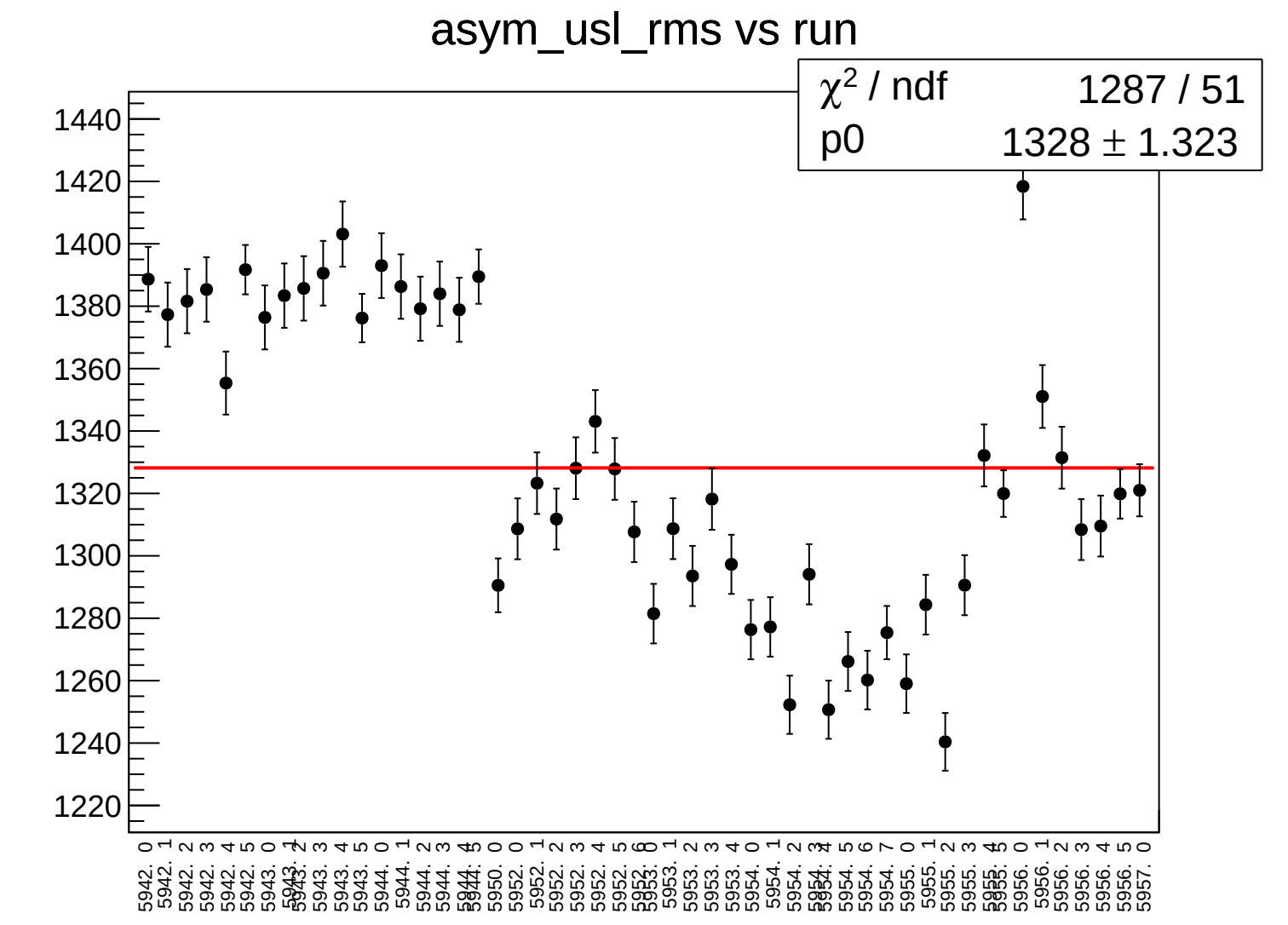
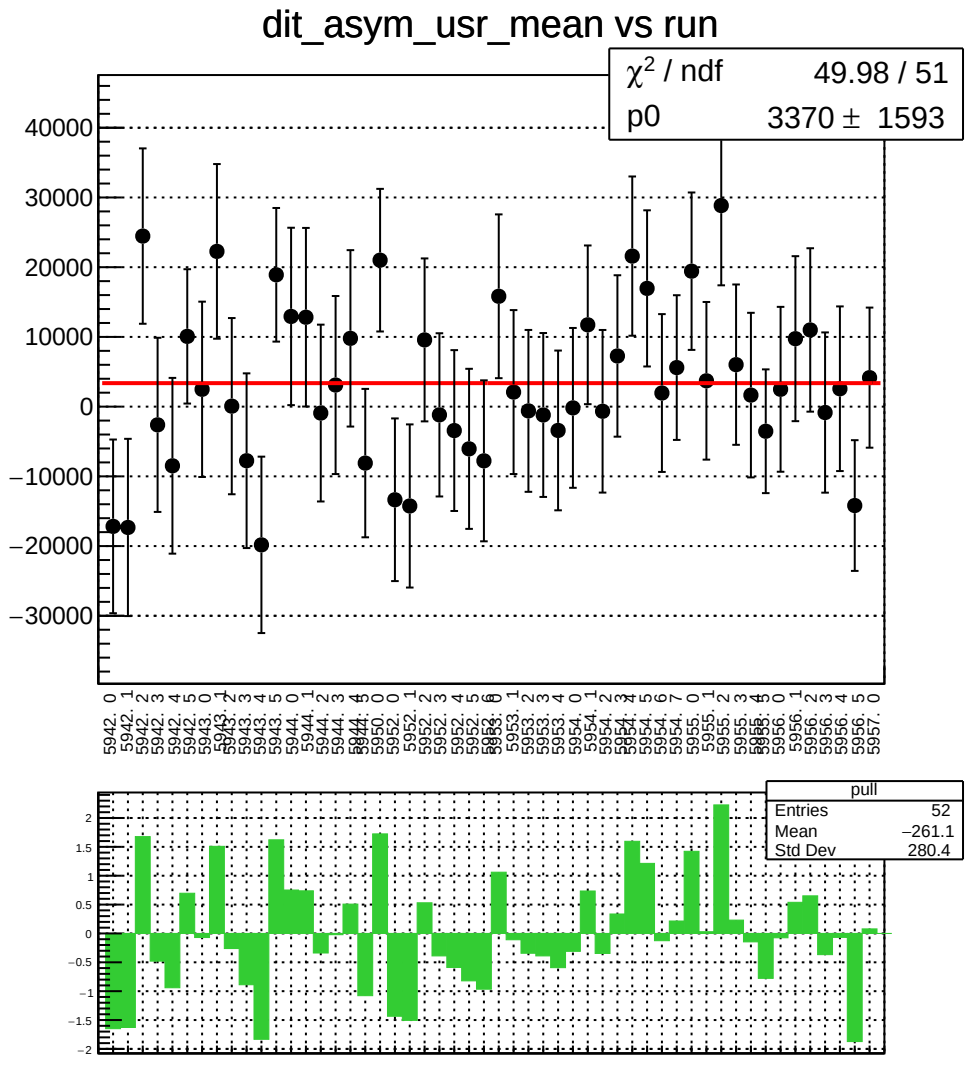
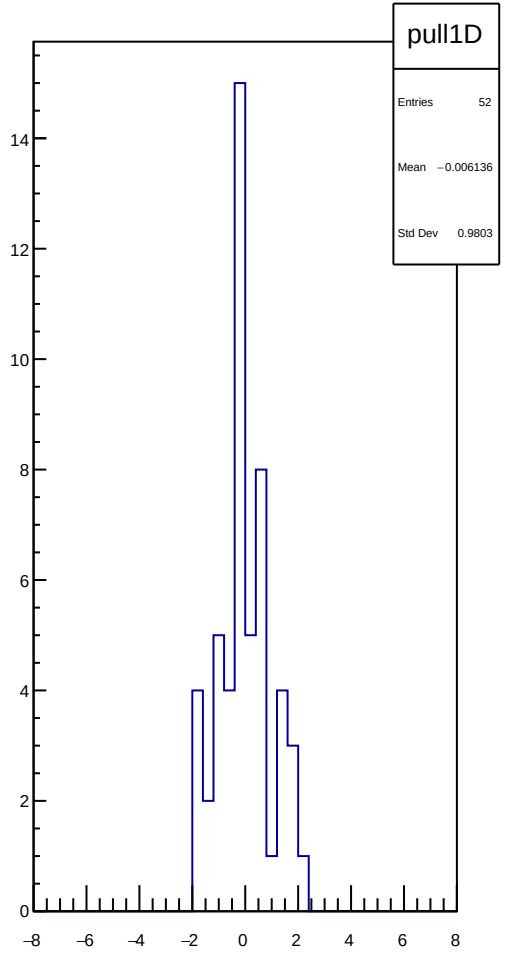
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

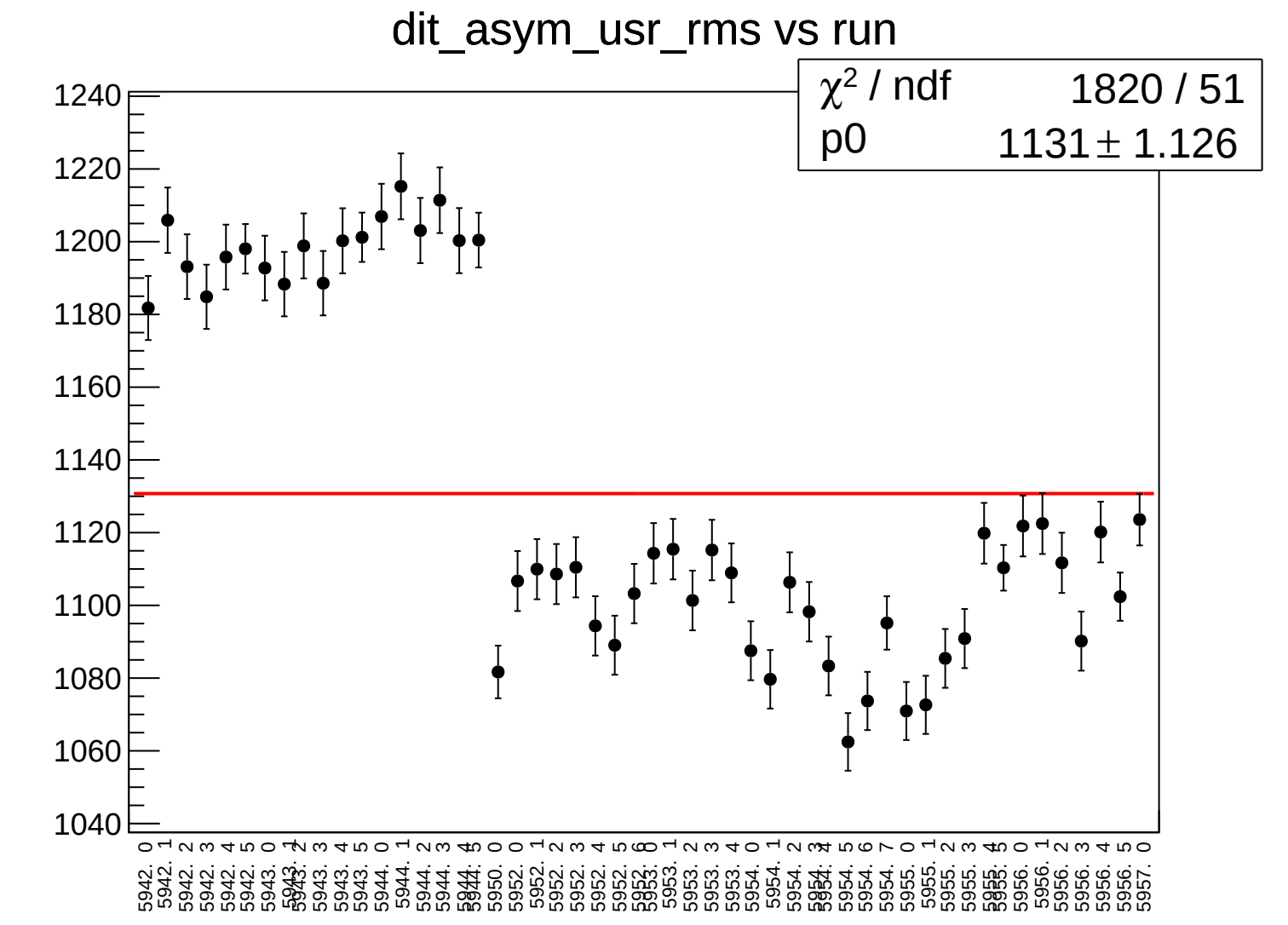

asym_usl_mean vs run
χ² / ndf 43.75 / 51
p0 5.848 ± 1871
pull
Entries 52
Mean −174.9
Std Dev 210.7

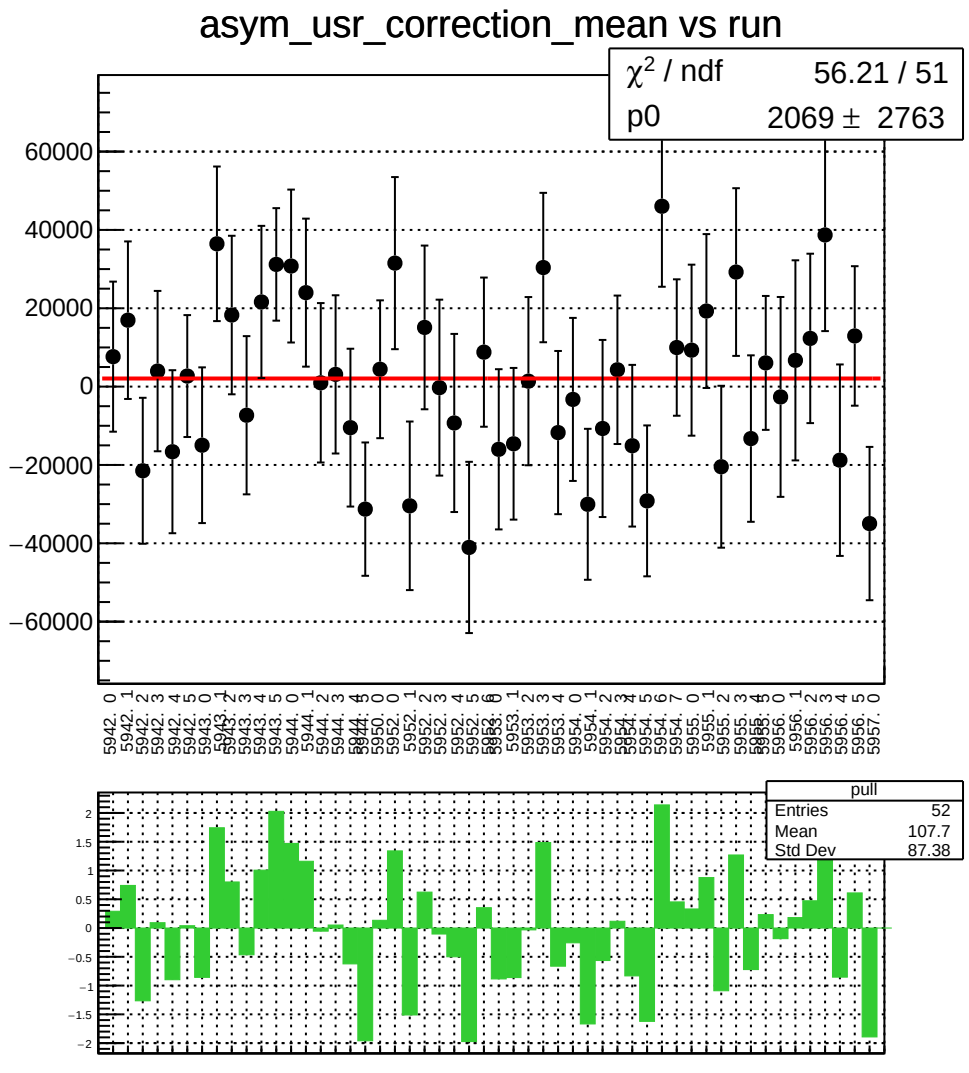

pull1D
Entries 52
Mean −0.01806
Std Dev 0.917

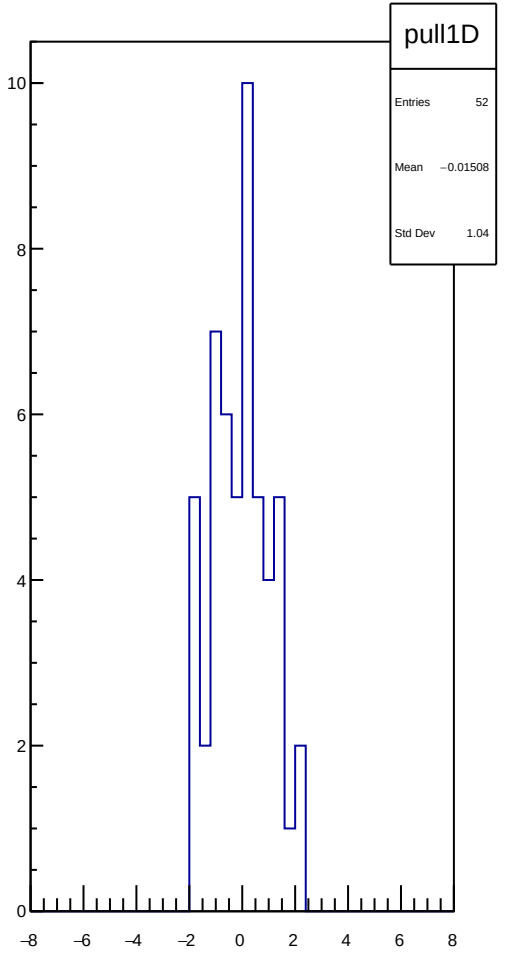

asym_usl_rms vs run
χ² / ndf 1287 / 51
p0 1328 ± 1.323
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

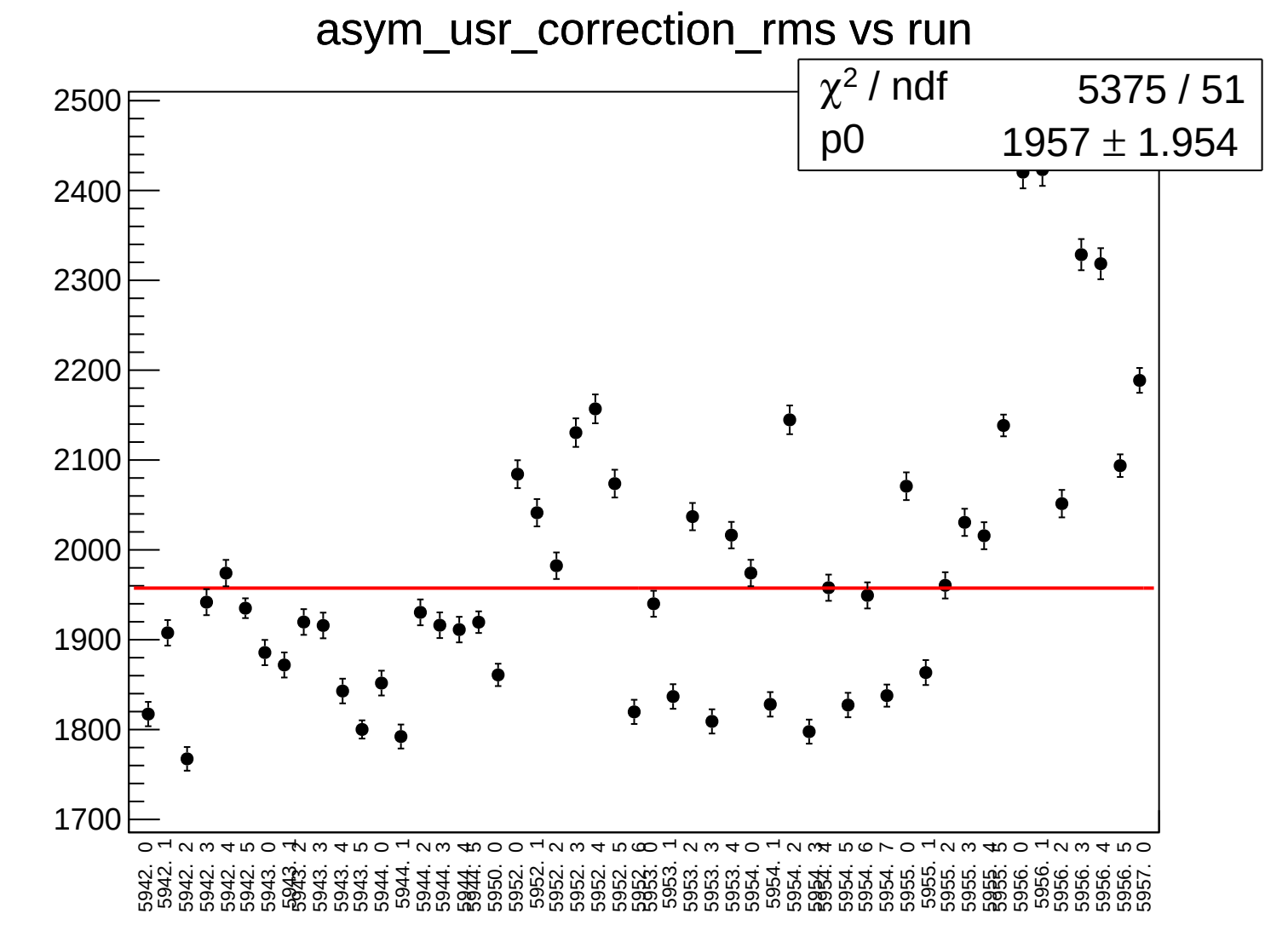

dit_asym_usr_mean vs run
χ² / ndf 49.98 / 51
p0 3370 ± 1593
pull
Entries 52
Mean −261.1
Std Dev 280.4

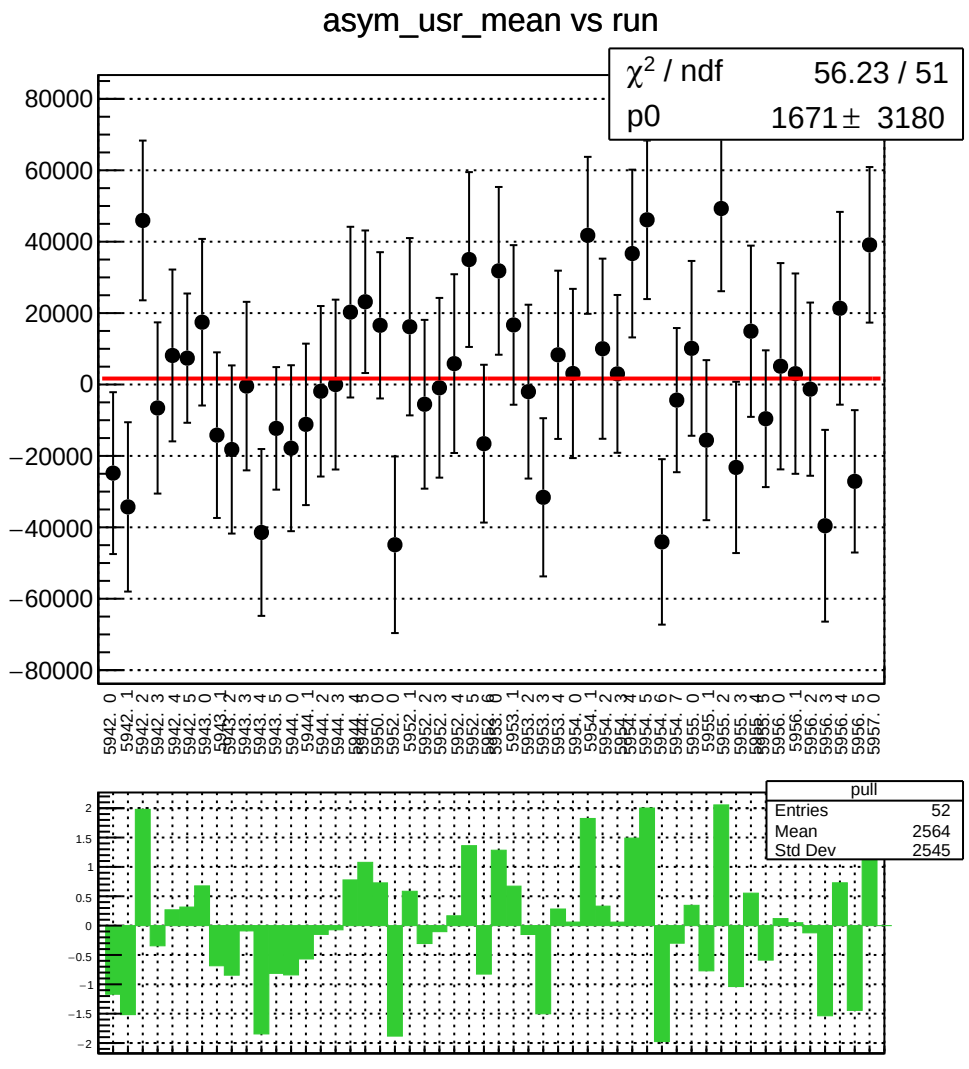

pull1D
Entries 52
Mean −0.006136
Std Dev 0.9803

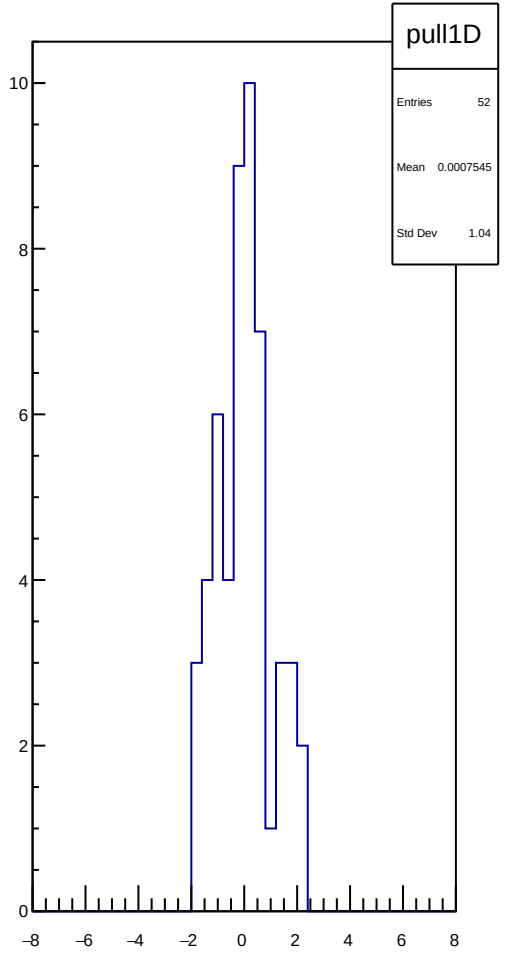

dit_asym_usr_rms vs run
χ² / ndf 1820 / 51
p0 1131 ± 1.126
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

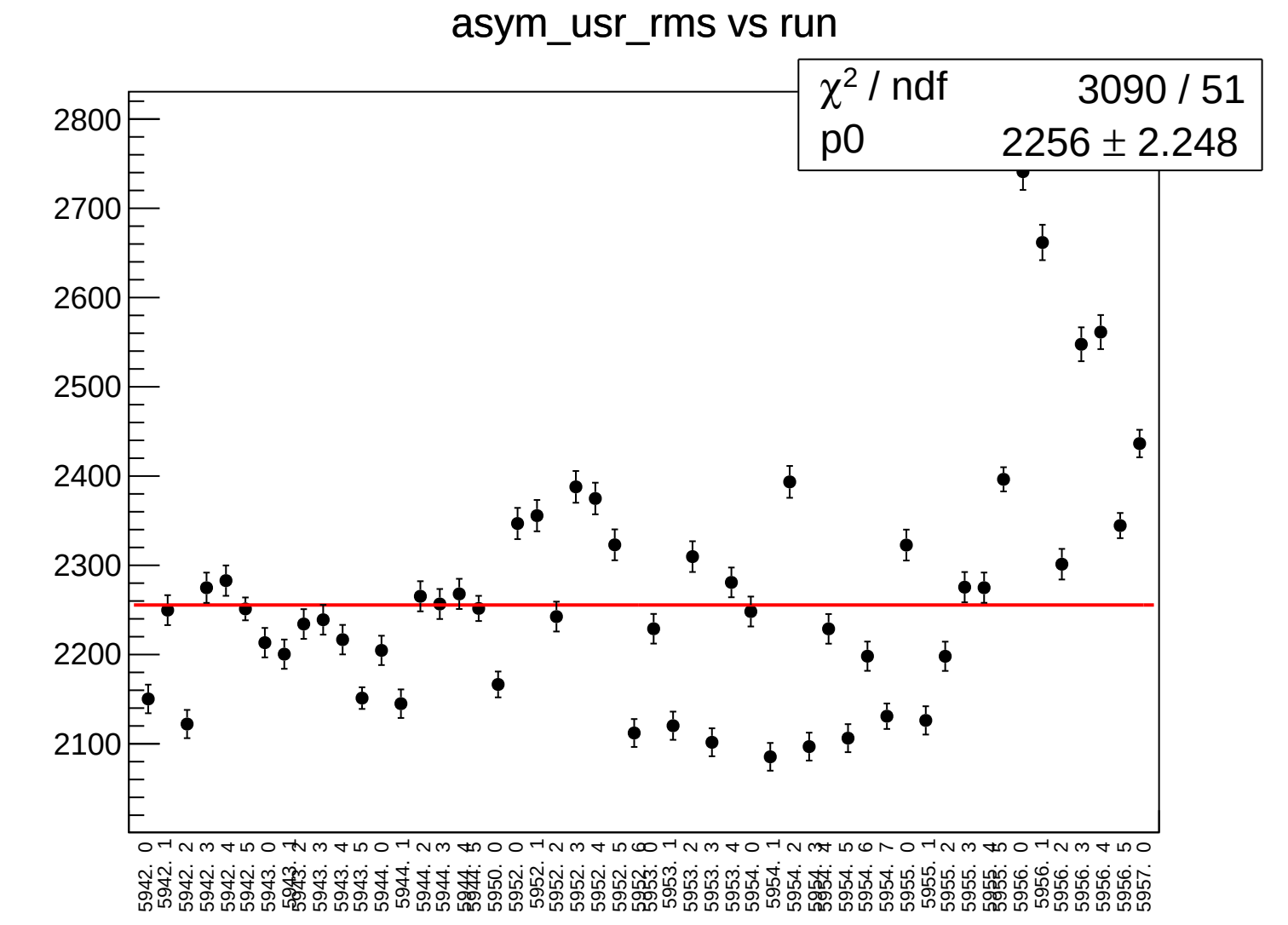

asym_usr_correction_mean vs run
χ² / ndf 56.21 / 51
p0 2069 ± 2763
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 107.7
Std Dev 87.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

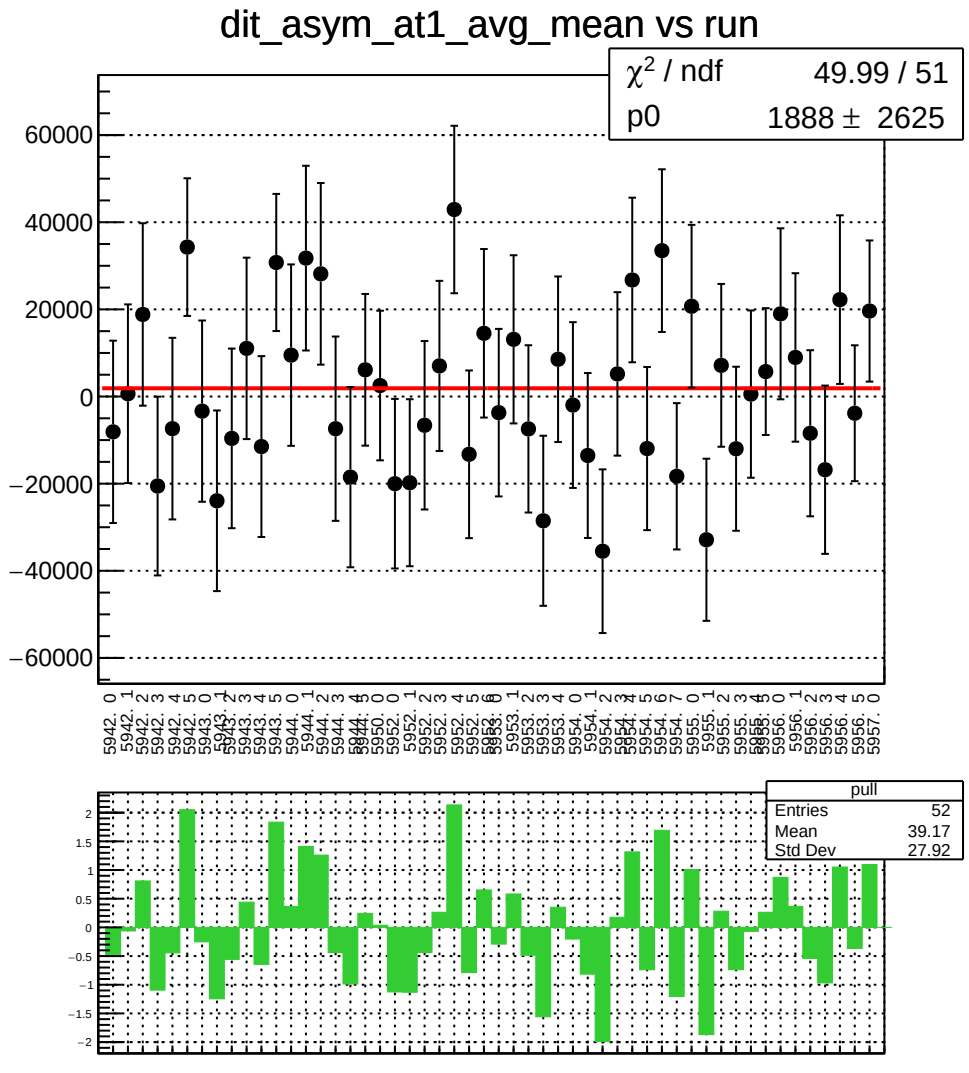

pull1D
Entries 52
Mean −0.01508
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

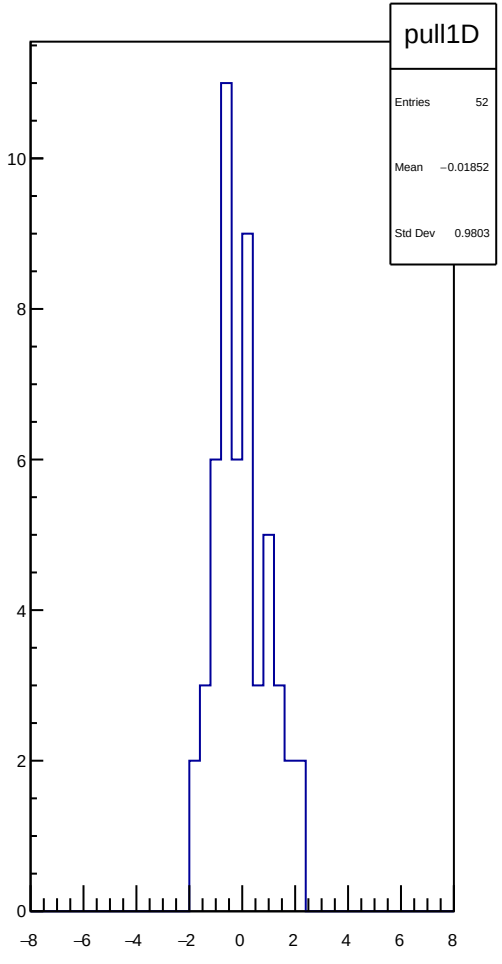

asym_usr_correction_rms vs run
χ² / ndf 5375 / 51
p0 1957 ± 1.954
2500
2400
2300
2200
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

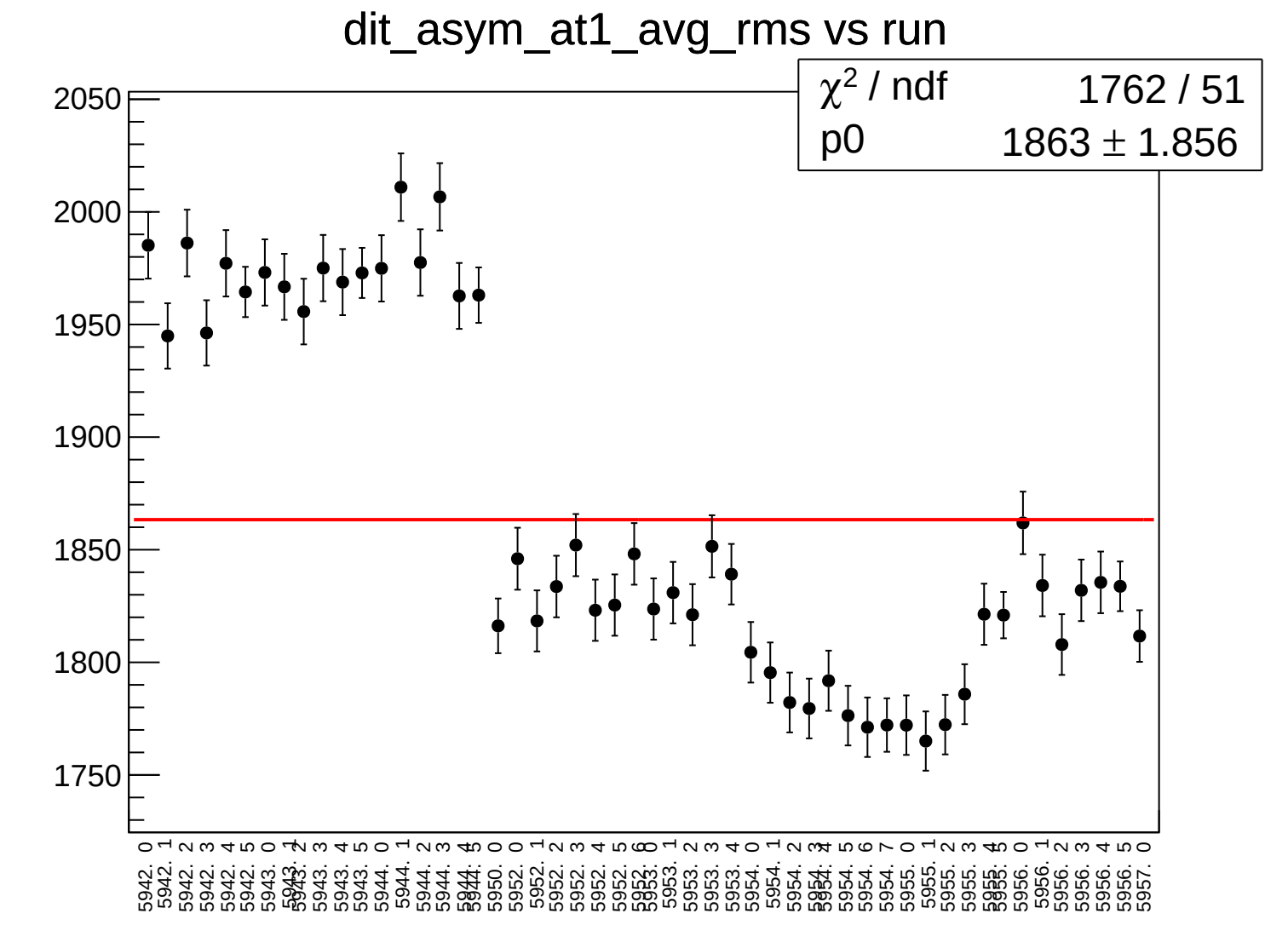

asym_usr_mean vs run
χ² / ndf 56.23 / 51
p0 1671 ± 3180
pull
Entries 52
Mean 2564
Std Dev 2545


pull1D
Entries 52
Mean 0.0007545
Std Dev 1.04


asym_usr_rms vs run
χ² / ndf 3090 / 51
p0 2256 ± 2.248
2800
2700
2600
2500
2400
2300
2200
2100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0


dit_asym_at1_avg_mean vs run
χ² / ndf 49.99 / 51
p0 1888 ± 2625
pull
Entries 52
Mean 39.17
Std Dev 27.92


pull1D
Entries 52
Mean −0.01852
Std Dev 0.9803


dit_asym_at1_avg_rms vs run
χ² / ndf 1762 / 51
p0 1863 ± 1.856
2050
2000
1950
1900
1850
1800
1750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
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5955. 3
5956. 0
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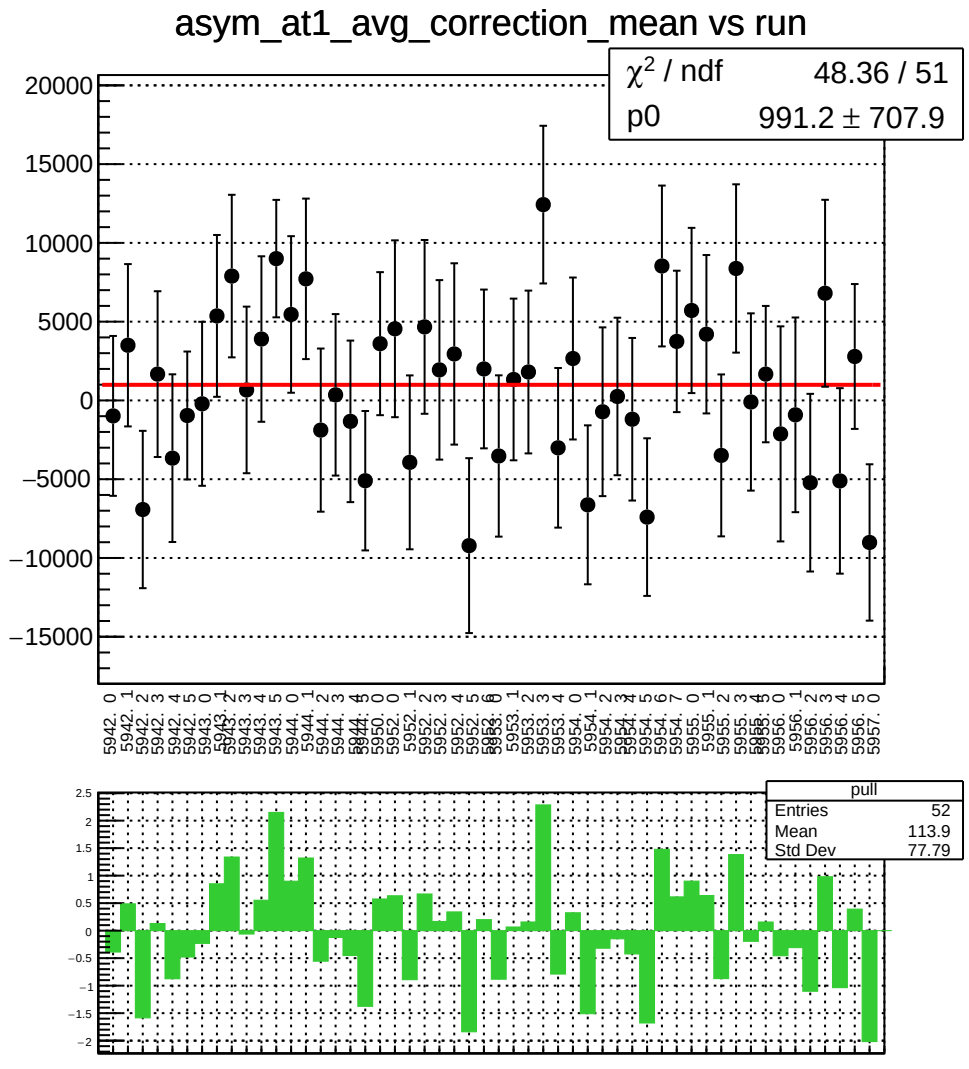
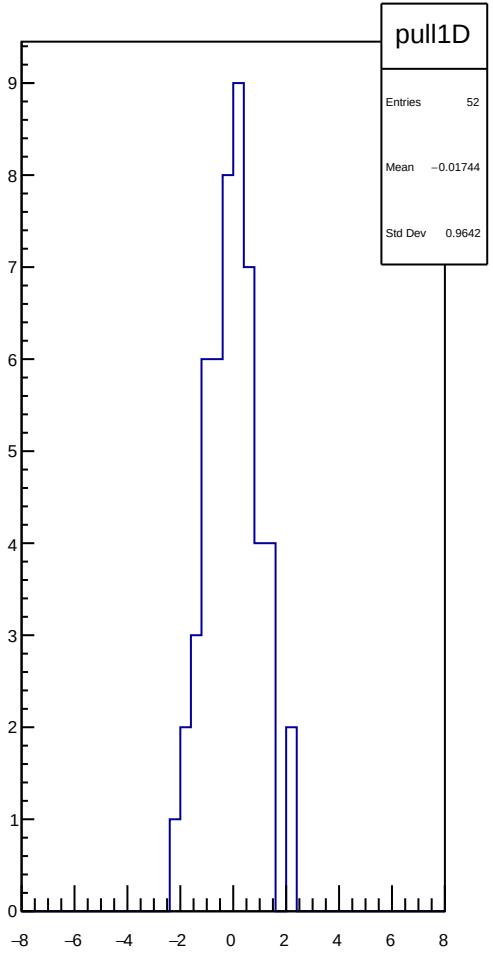
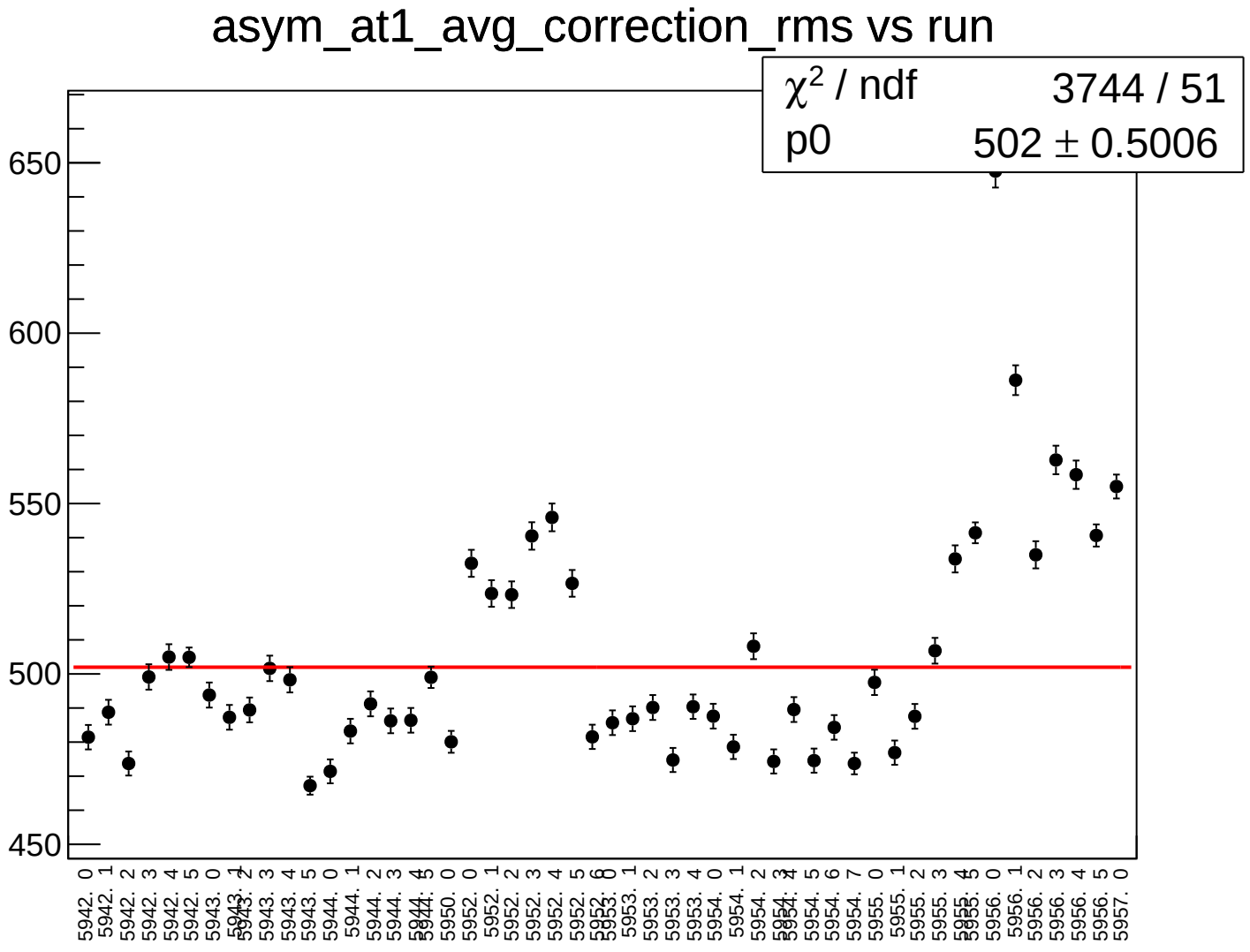
5956. 3
5956. 4
5956. 5
5957. 0


asym_at1_avg_correction_mean vs run
χ² / ndf 48.36 / 51
p0 991.2 ± 707.9
pull
Entries 52
Mean 113.9
Std Dev 77.79


pull1D
Entries 52
Mean −0.01744
Std Dev 0.9642


asym_at1_avg_correction_rms vs run
χ² / ndf 3744 / 51
p0 502 ± 0.5006
650
600
550
500
450
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
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5954. 0
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5954. 6
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5955. 0
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5955. 3
5956. 0
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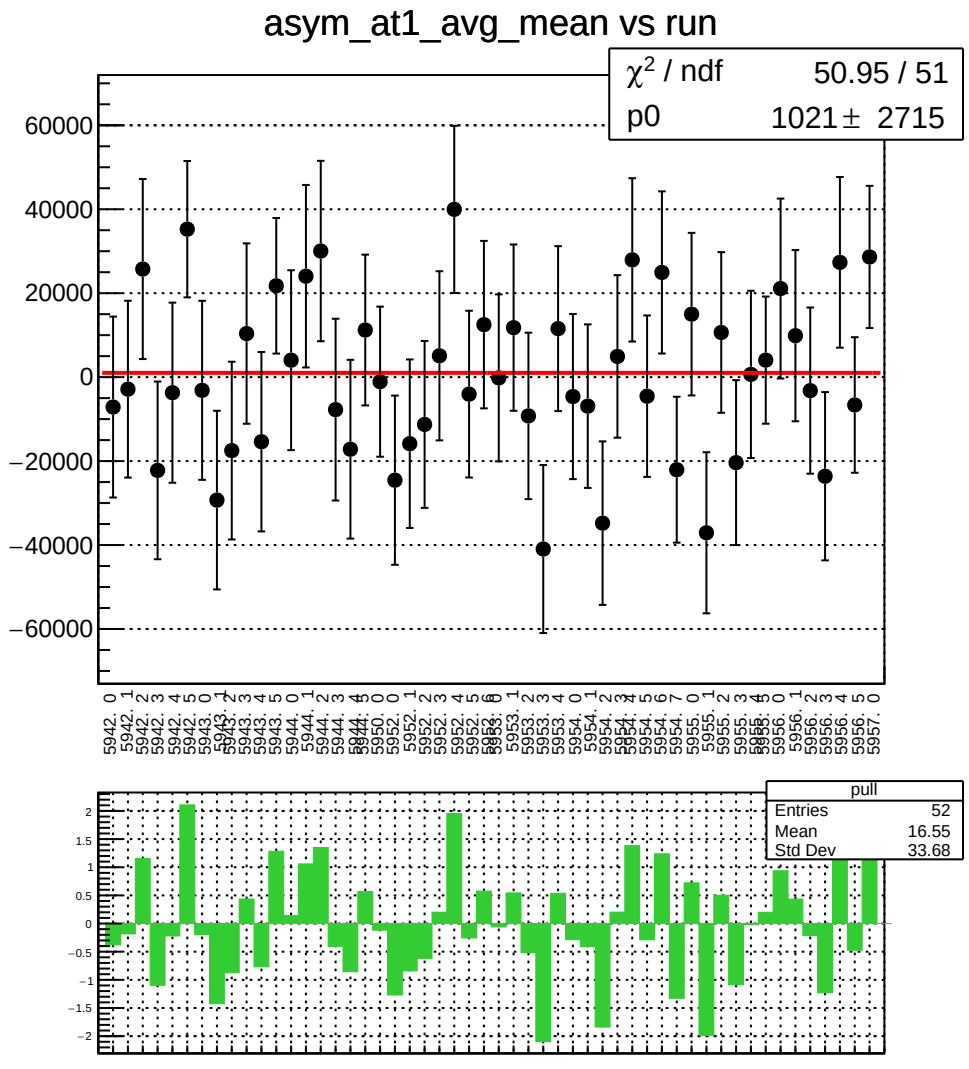
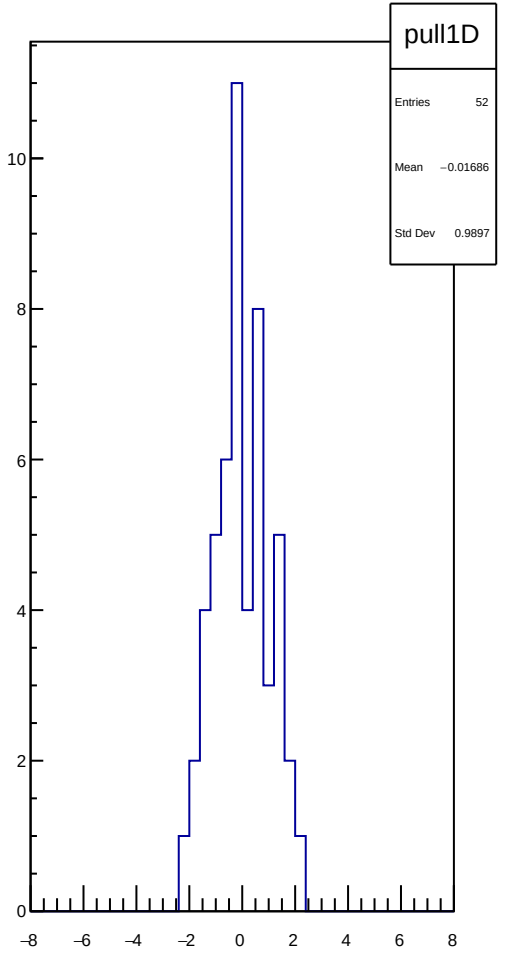
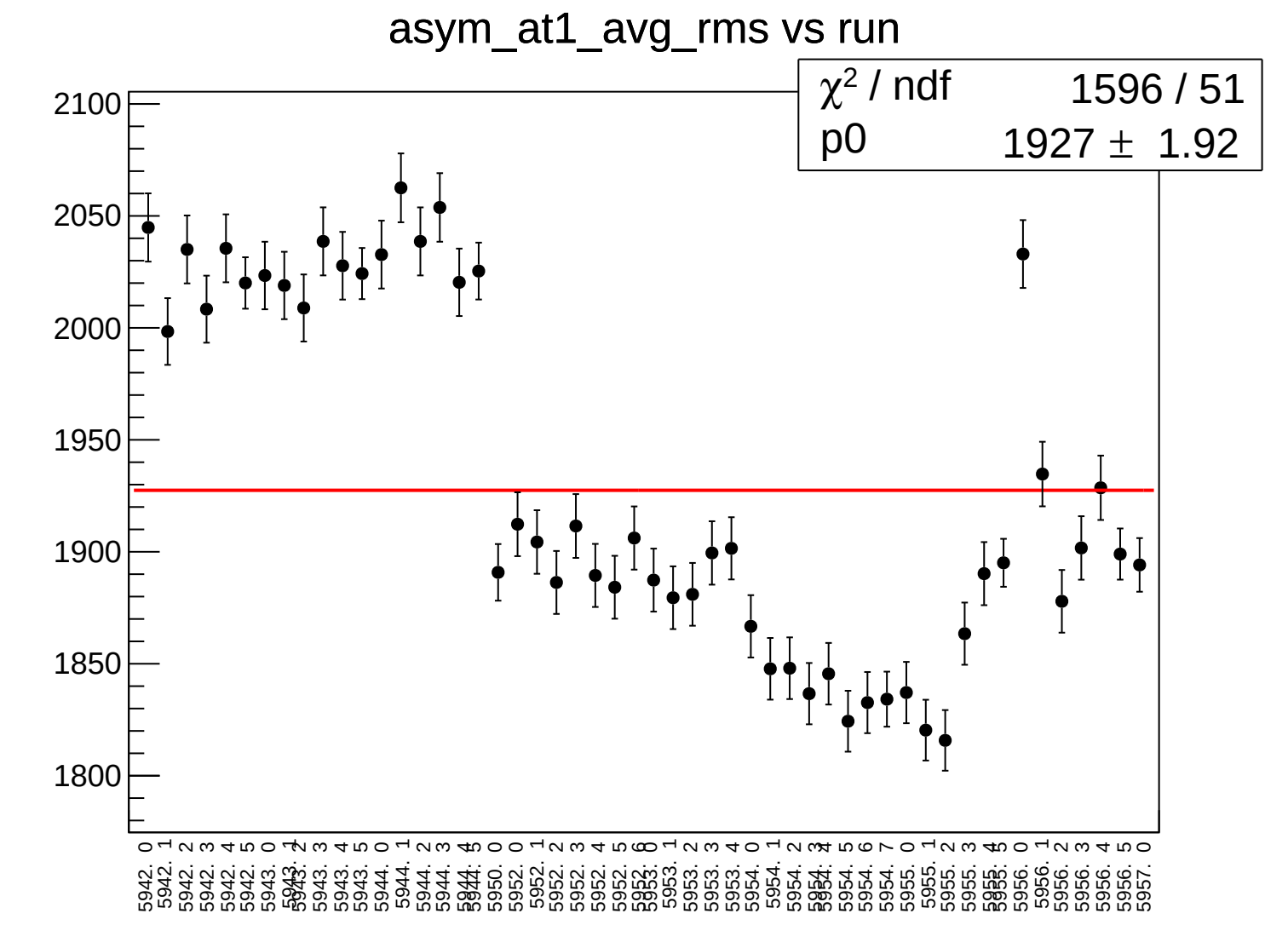
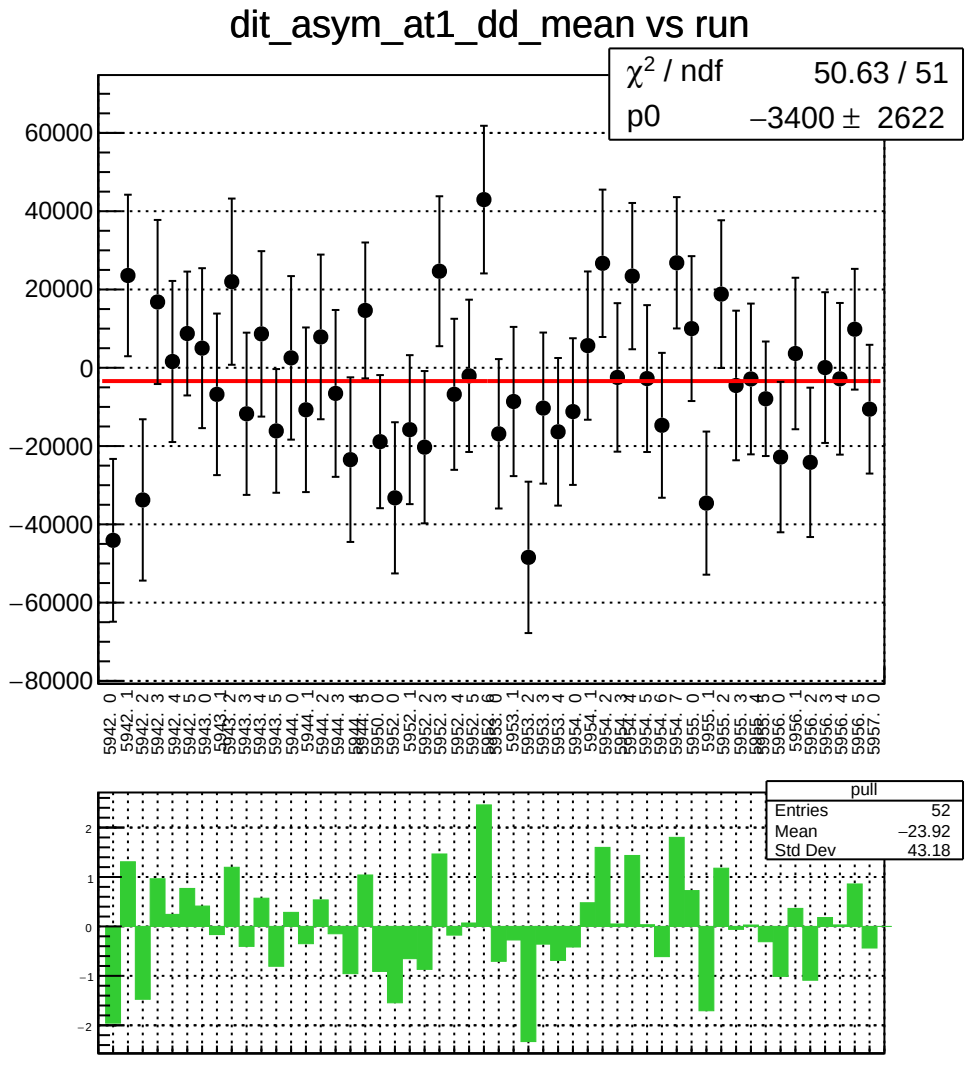
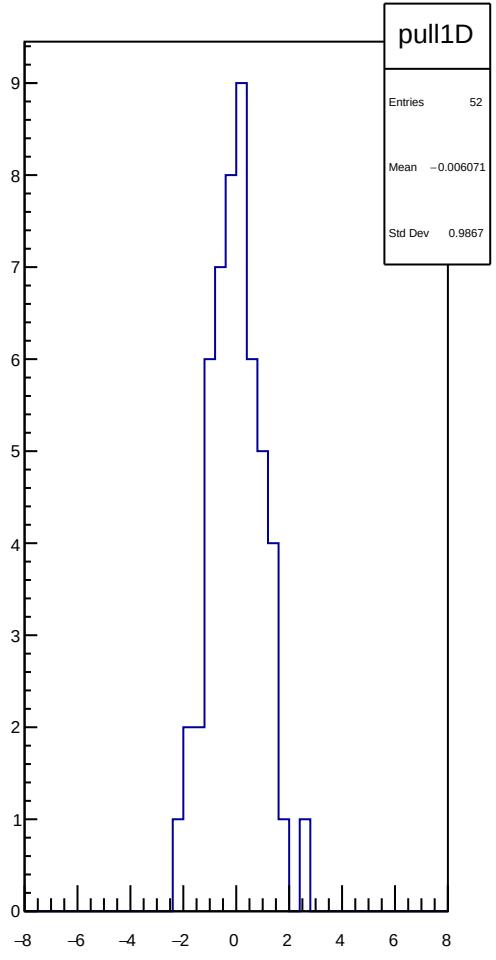
5956. 3
5956. 4
5956. 5
5957. 0

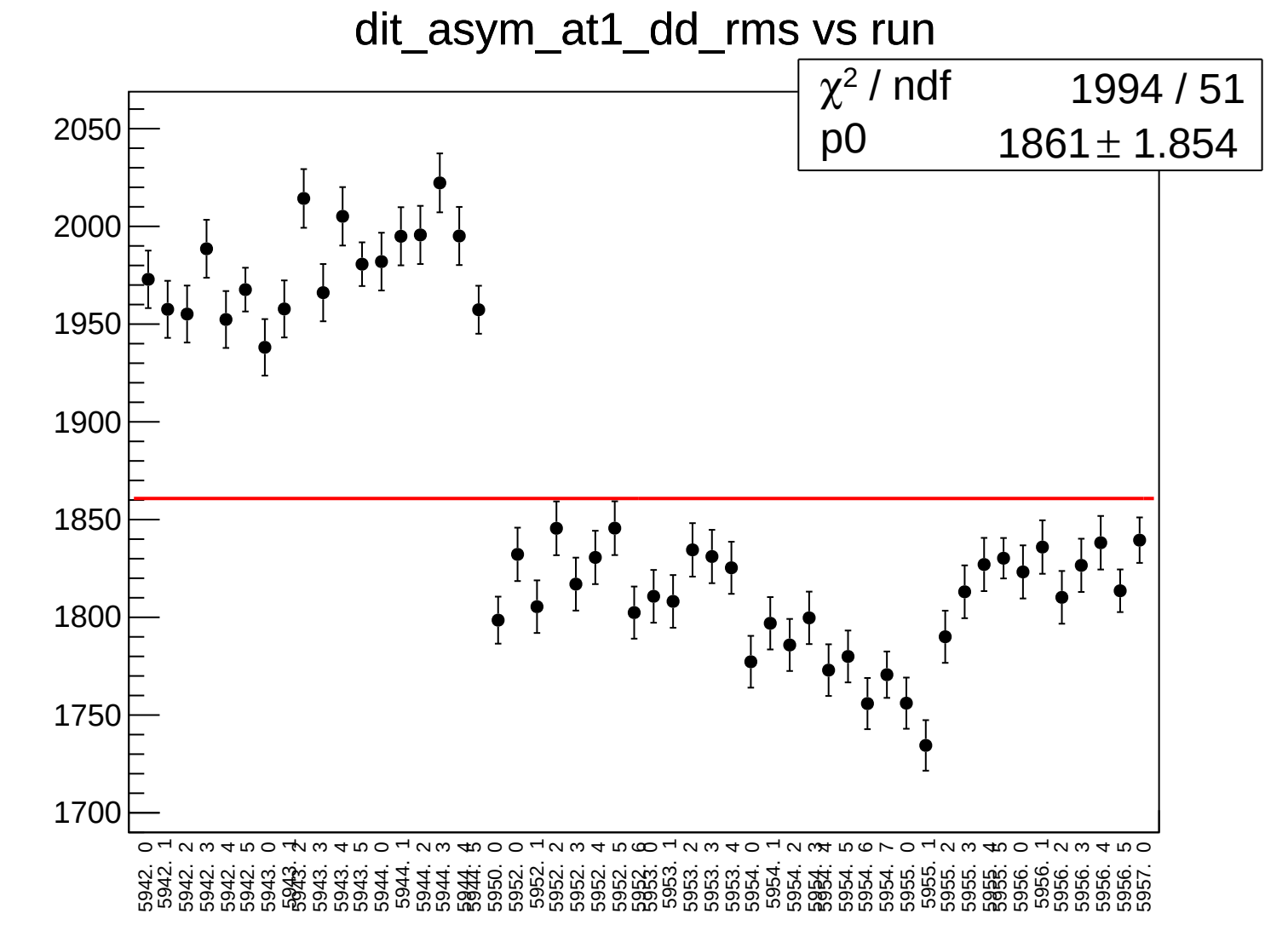

asym_at1_avg_mean vs run
χ² / ndf 50.95 / 51
p0 1021 ± 2715
pull
Entries 52
Mean 16.55
Std Dev 33.68


pull1D
Entries 52
Mean −0.01686
Std Dev 0.9897


asym_at1_avg_rms vs run
χ² / ndf 1596 / 51
p0 1927 ± 1.92
2100
2050
2000
1950
1900
1850
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0


dit_asym_at1_dd_mean vs run
χ² / ndf 50.63 / 51
p0 −3400 ± 2622
pull
Entries 52
Mean −23.92
Std Dev 43.18


pull1D
Entries 52
Mean −0.006071
Std Dev 0.9867


dit_asym_at1_dd_rms vs run
χ² / ndf 1994 / 51
p0 1861 ± 1.854
2050
2000
1950
1900
1850
1800
1750
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
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5954. 6
5954. 7
5955. 0
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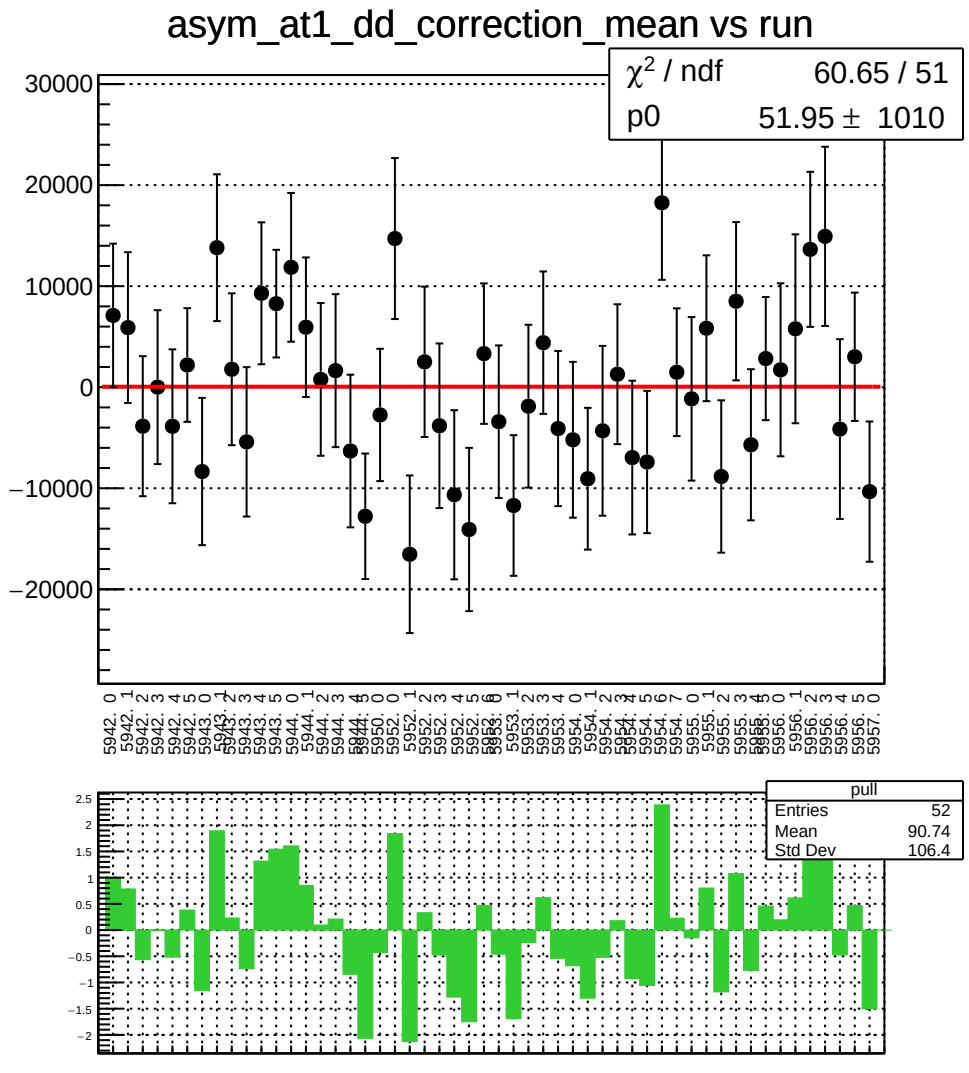
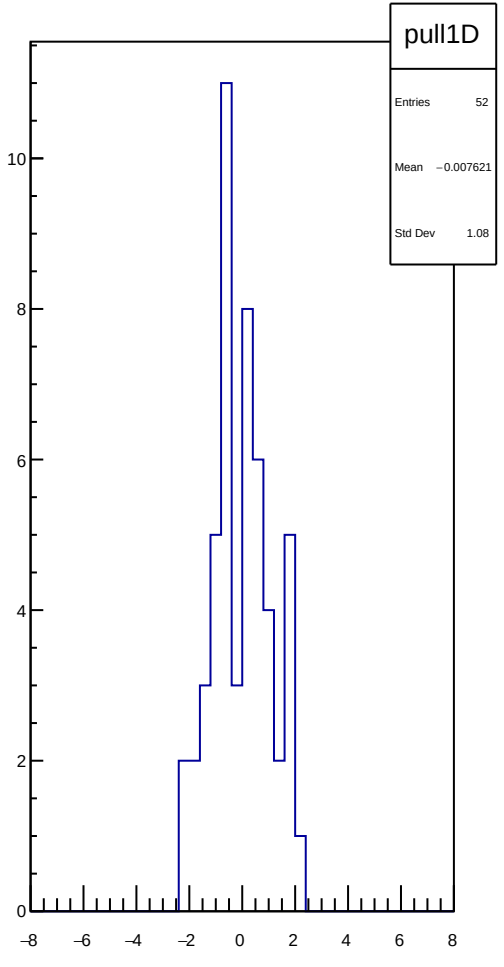
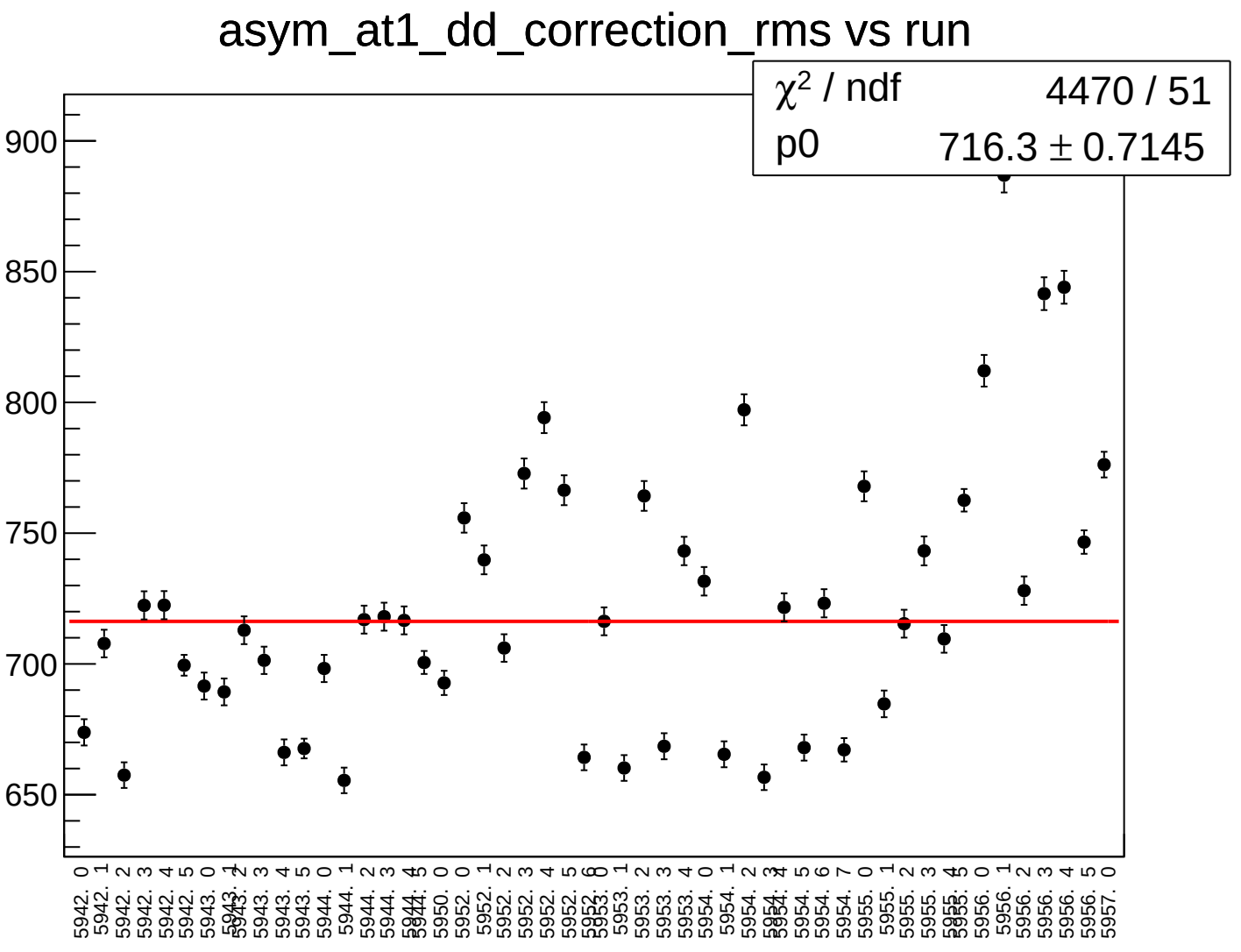
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0


asym_at1_dd_correction_mean vs run
χ² / ndf 60.65 / 51
p0 51.95 ± 1010
pull
Entries 52
Mean 90.74
Std Dev 106.4


pull1D
Entries 52
Mean −0.007621
Std Dev 1.08


asym_at1_dd_correction_rms vs run
χ² / ndf 4470 / 51
p0 716.3 ± 0.7145
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
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5952. 6
5953. 0
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5953. 4
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5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
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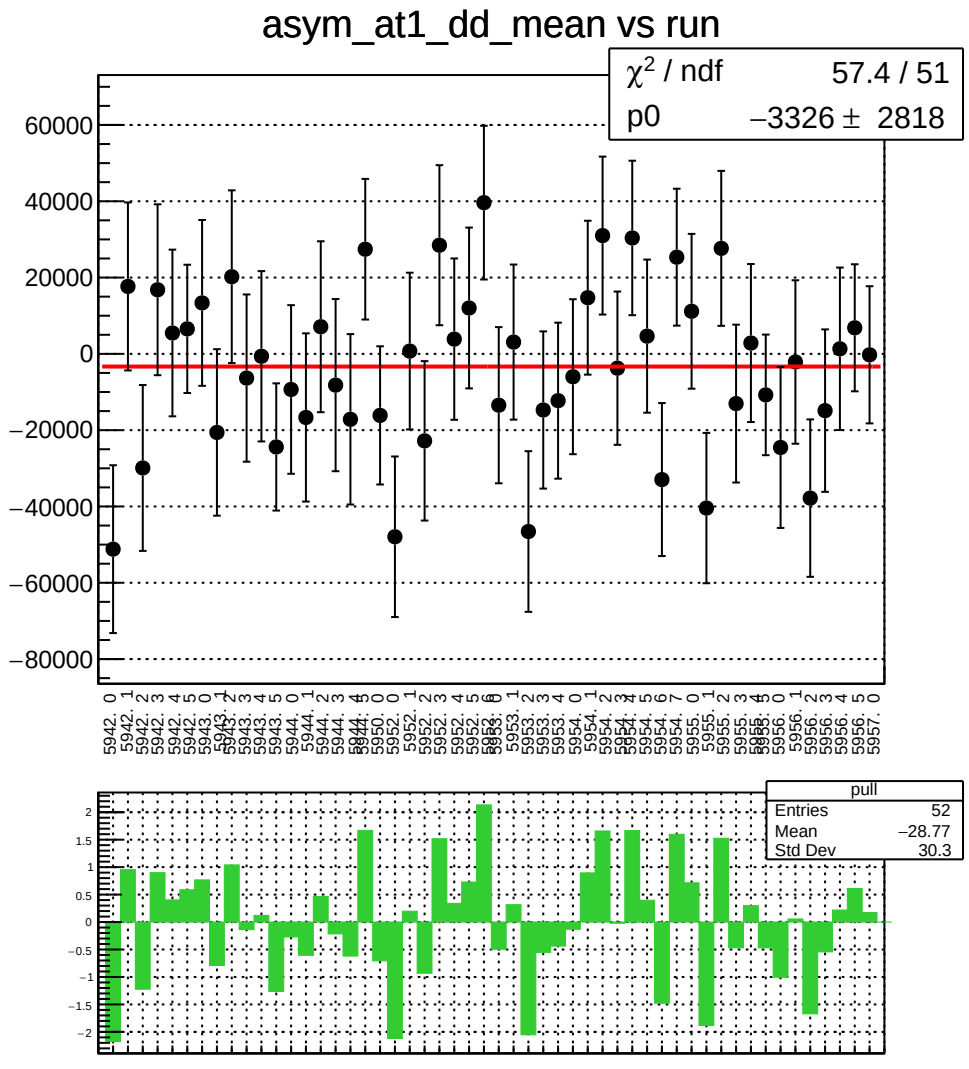
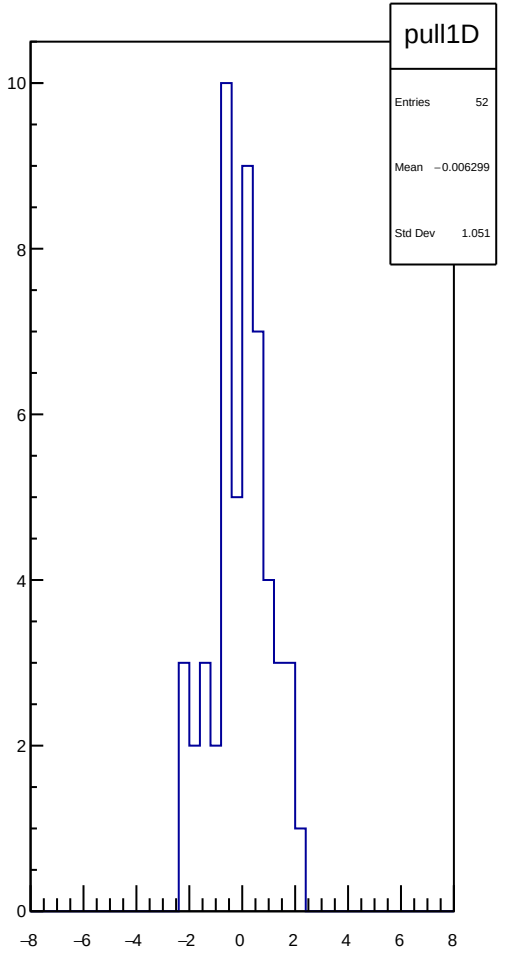
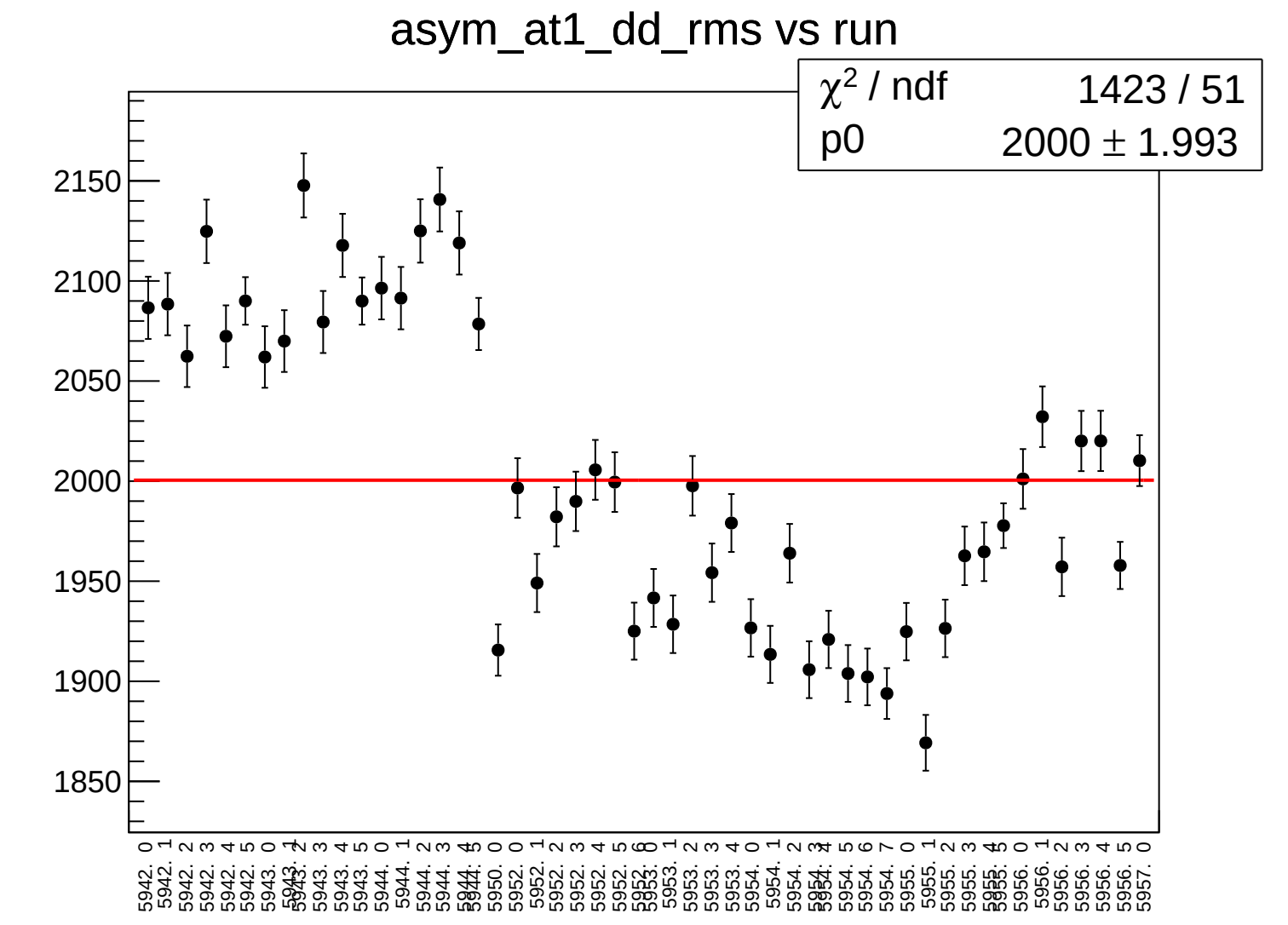
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0


asym_at1_dd_mean vs run
χ² / ndf 57.4 / 51
p0 −3326 ± 2818
pull
Entries 52
Mean −28.77
Std Dev 30.3


pull1D
Entries 52
Mean −0.006299
Std Dev 1.051


asym_at1_dd_rms vs run
χ² / ndf 1423 / 51
p0 2000 ± 1.993
2150
2100
2050
2000
1950
1900
1850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
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5955. 3
5956. 0
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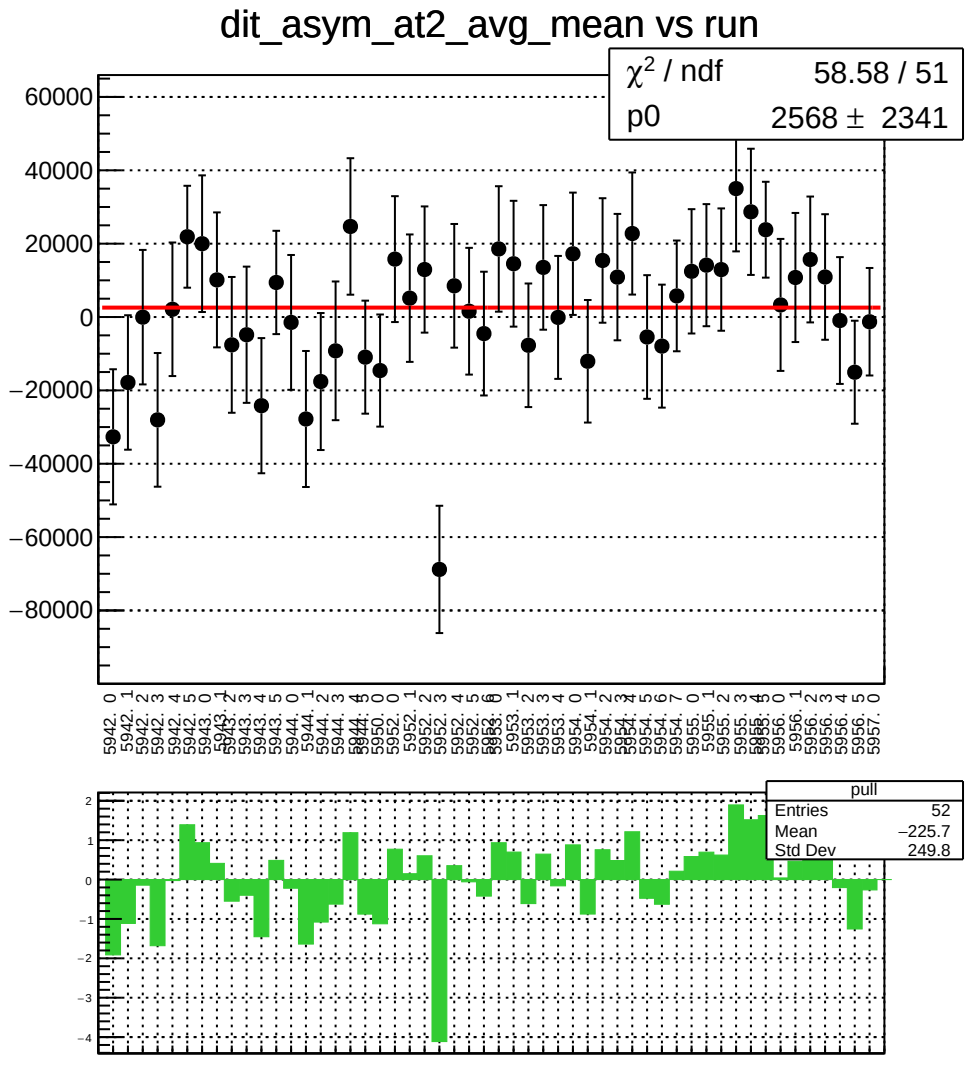
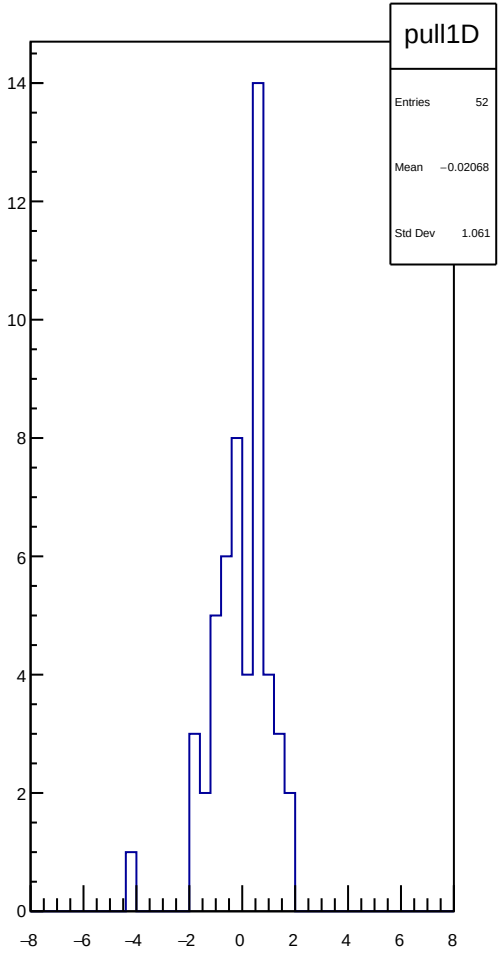
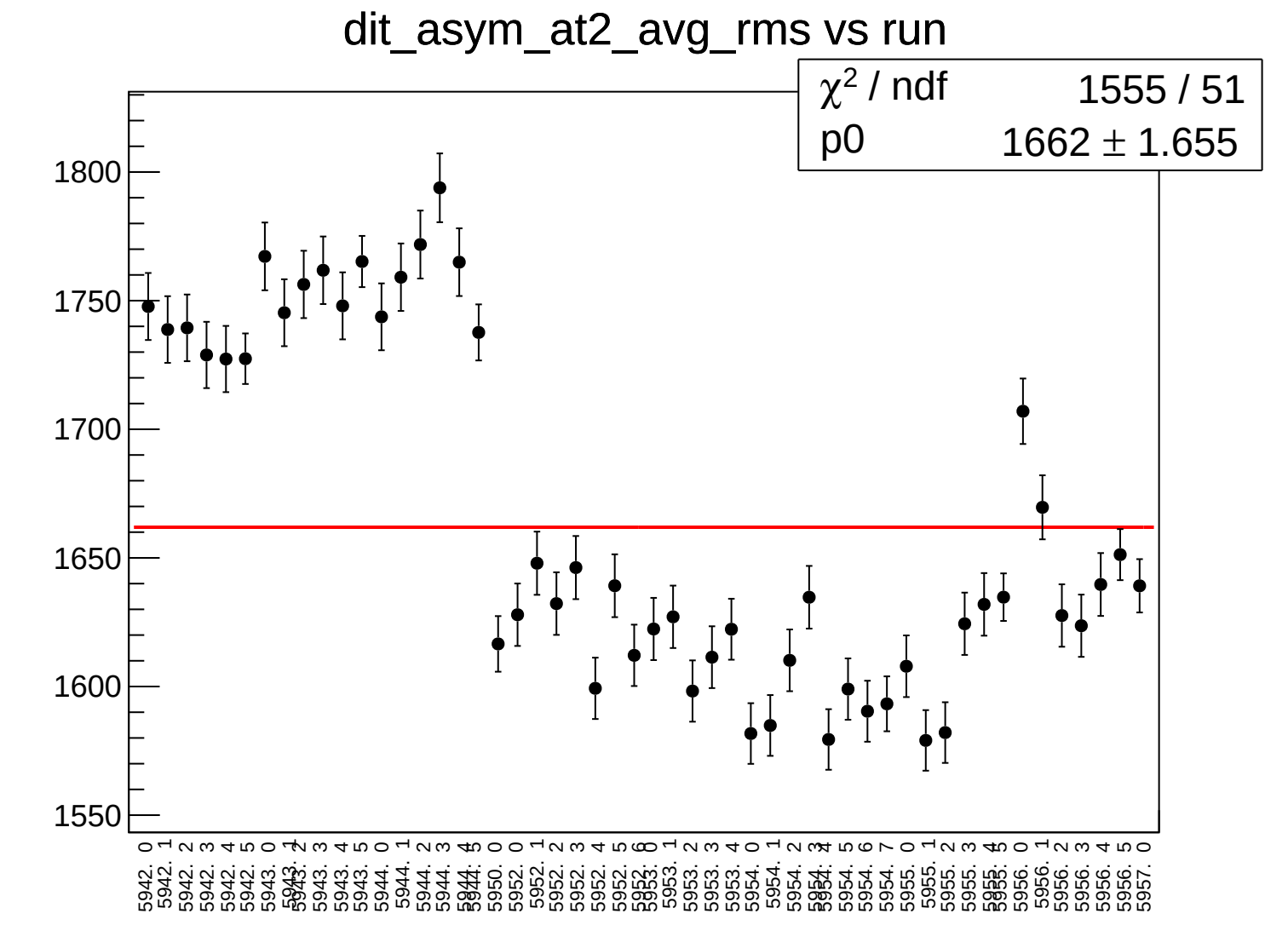
5956. 3
5956. 4
5956. 5
5957. 0


dit_asym_at2_avg_mean vs run
χ² / ndf 58.58 / 51
p0 2568 ± 2341
pull
Entries 52
Mean −225.7
Std Dev 249.8


pull1D
Entries 52
Mean −0.02068
Std Dev 1.061


dit_asym_at2_avg_rms vs run
χ² / ndf 1555 / 51
p0 1662 ± 1.655
1800
1750
1700
1650
1600
1550
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
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5950. 0
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5952. 1
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5952. 4
5952. 5
5953. 1
5953. 2
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5954. 0
5954. 1
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5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
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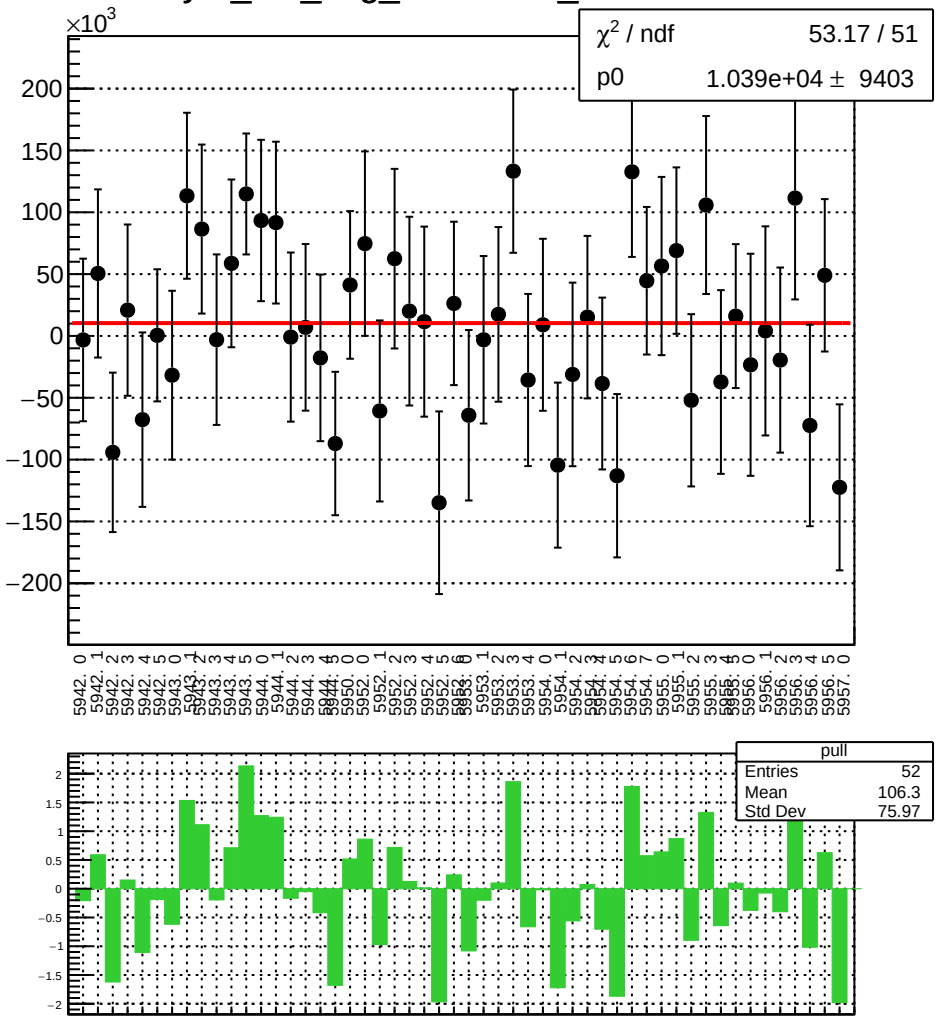
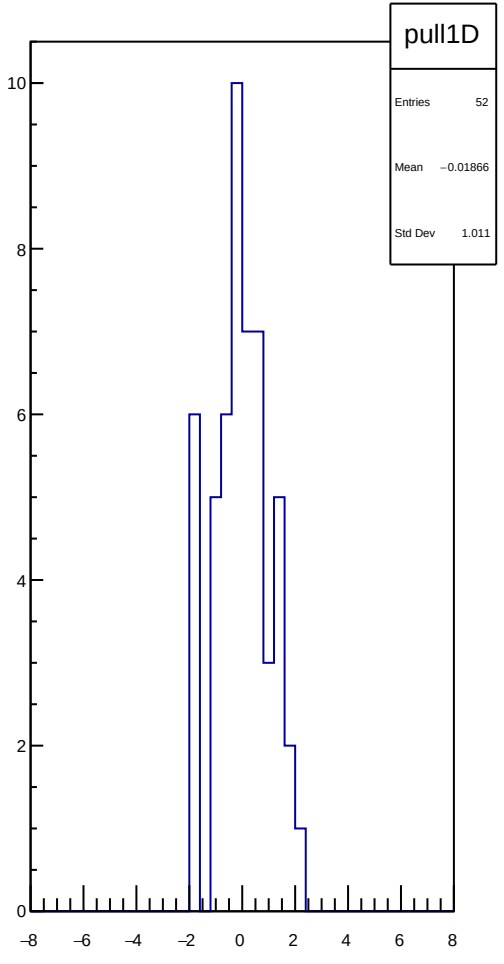
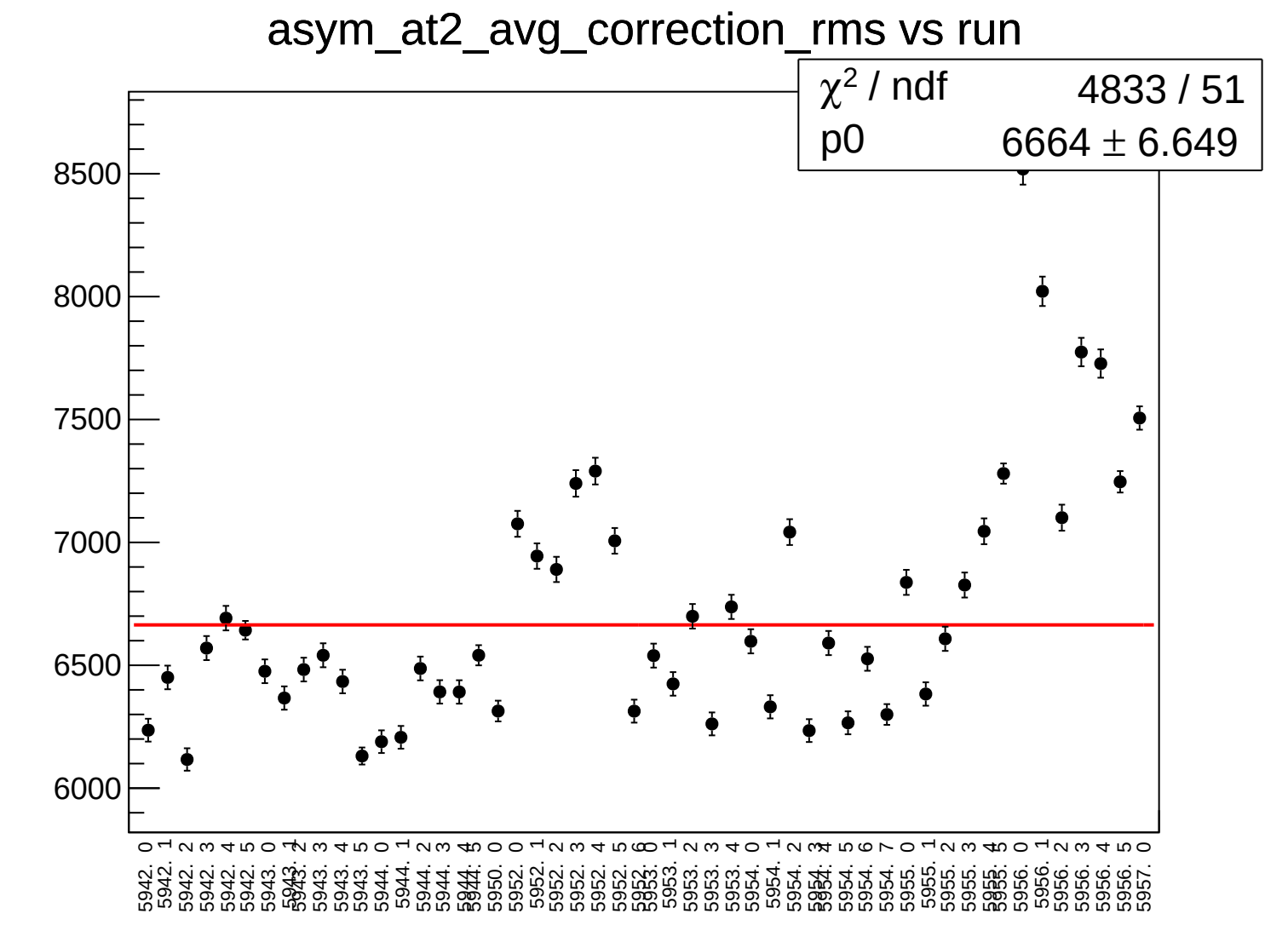
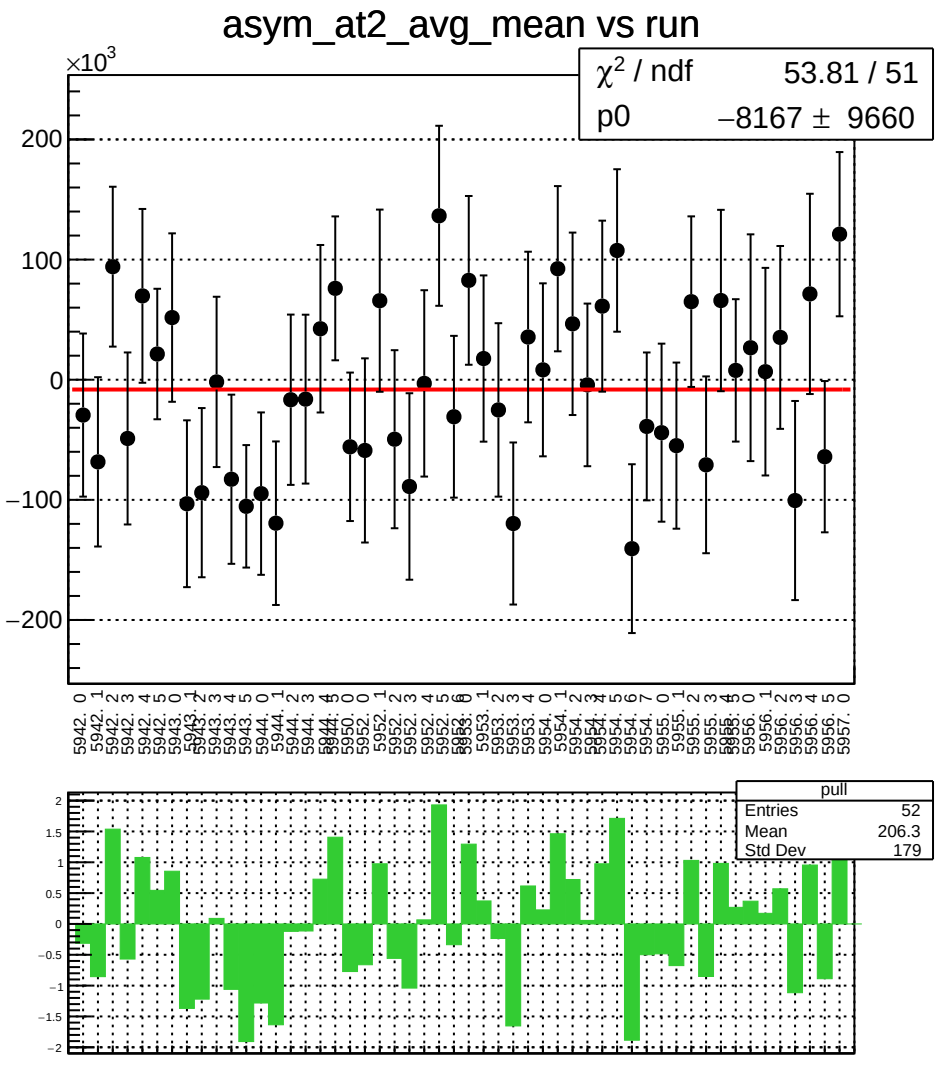
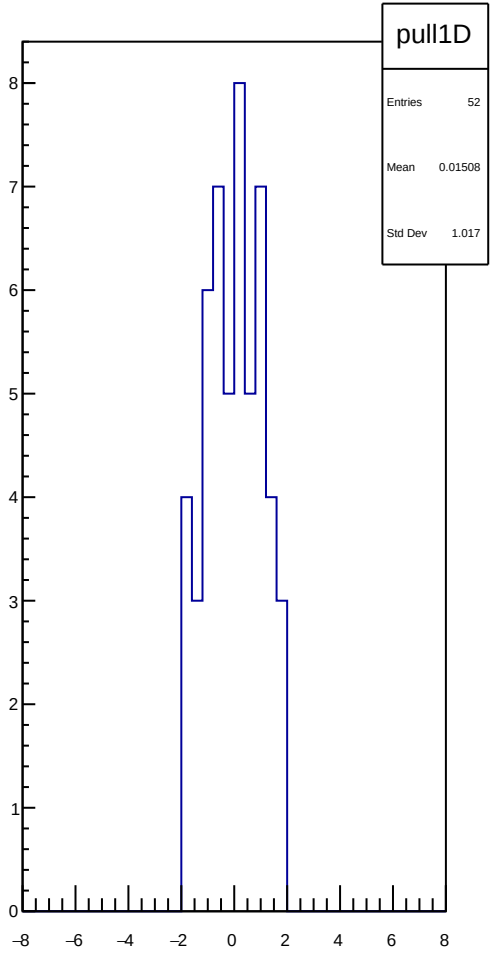
5956. 5
5957. 0

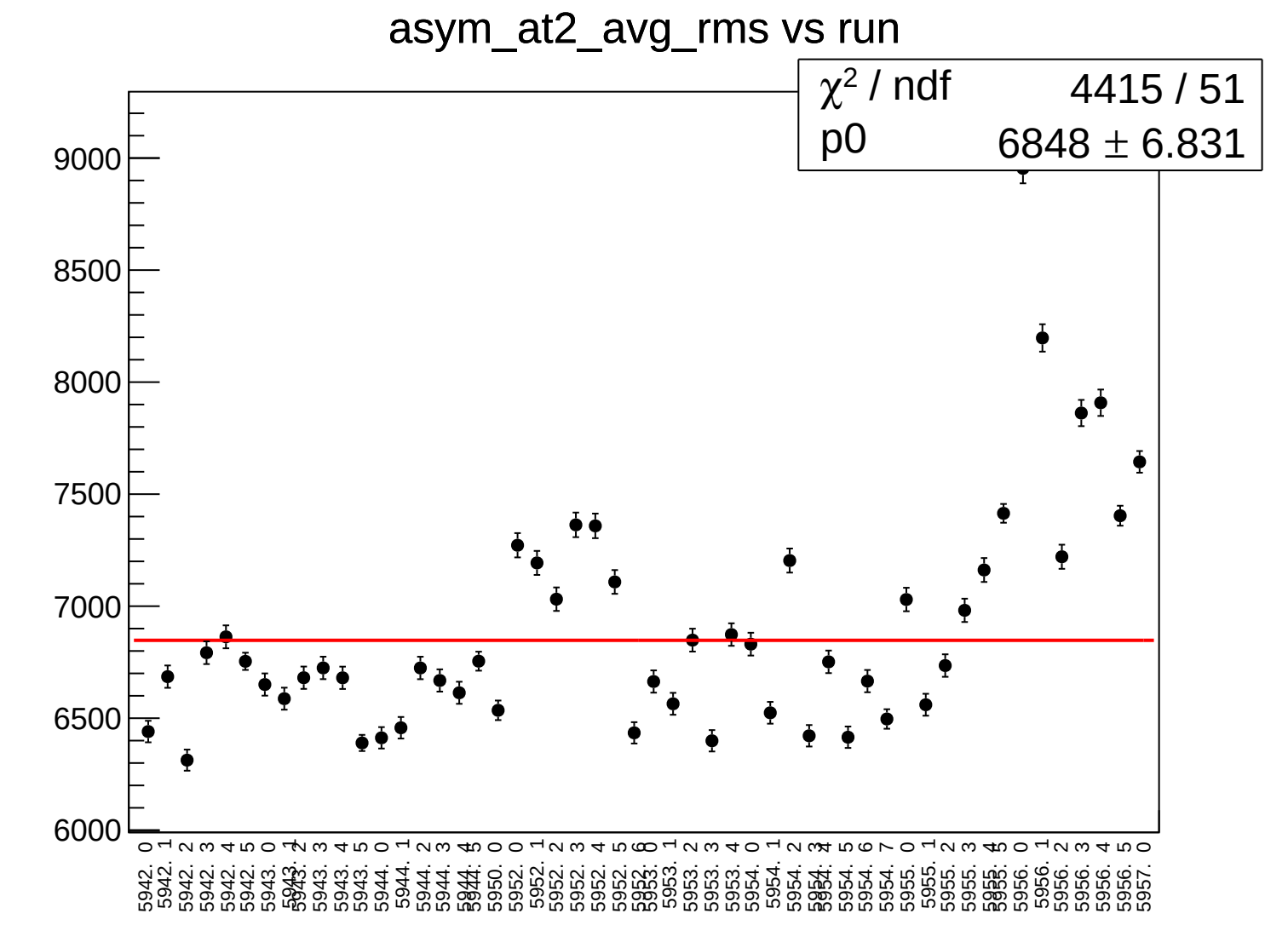

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 53.17 / 51
p0 1.039e+04 ± 9403
pull
Entries 52
Mean 106.3
Std Dev 75.97

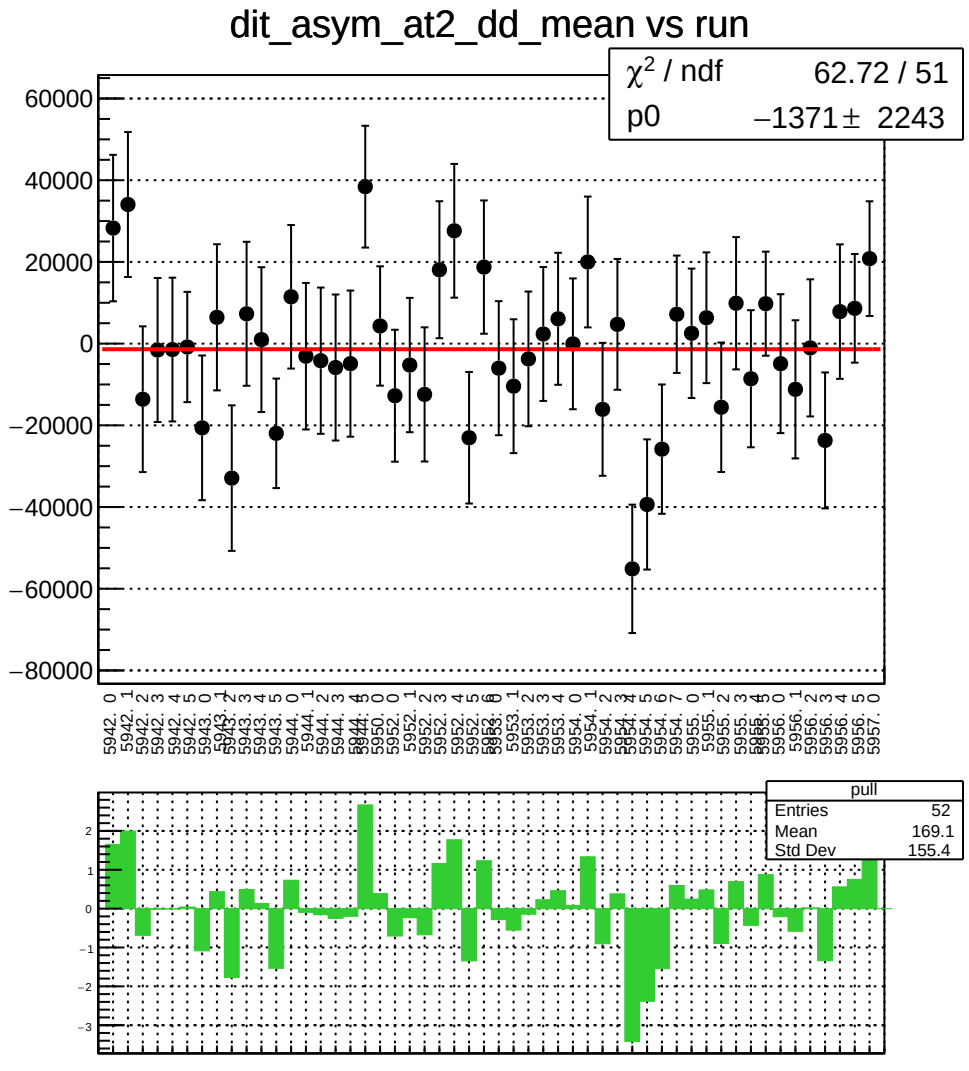

pull1D
Entries 52
Mean −0.01866
Std Dev 1.011

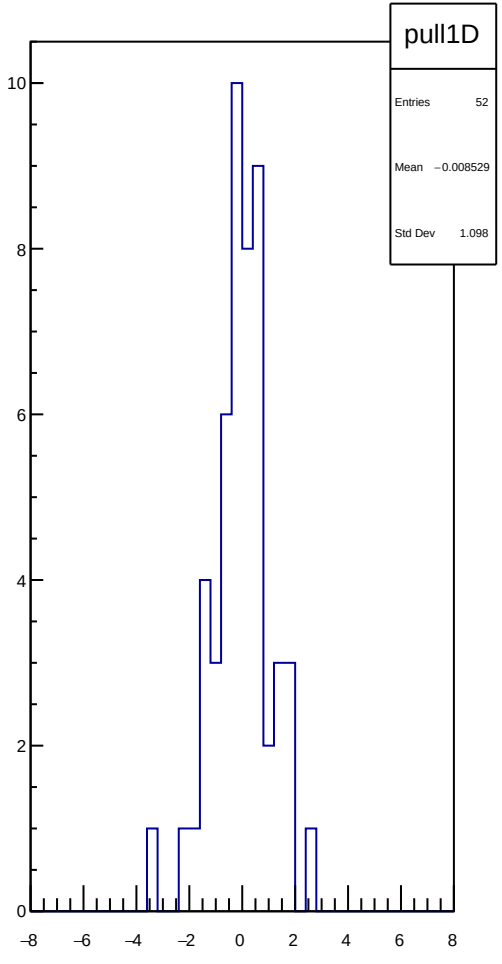

asym_at2_avg_correction_rms vs run
χ² / ndf 4833 / 51
p0 6664 ± 6.649
8500
8000
7500
7000
6500
6000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

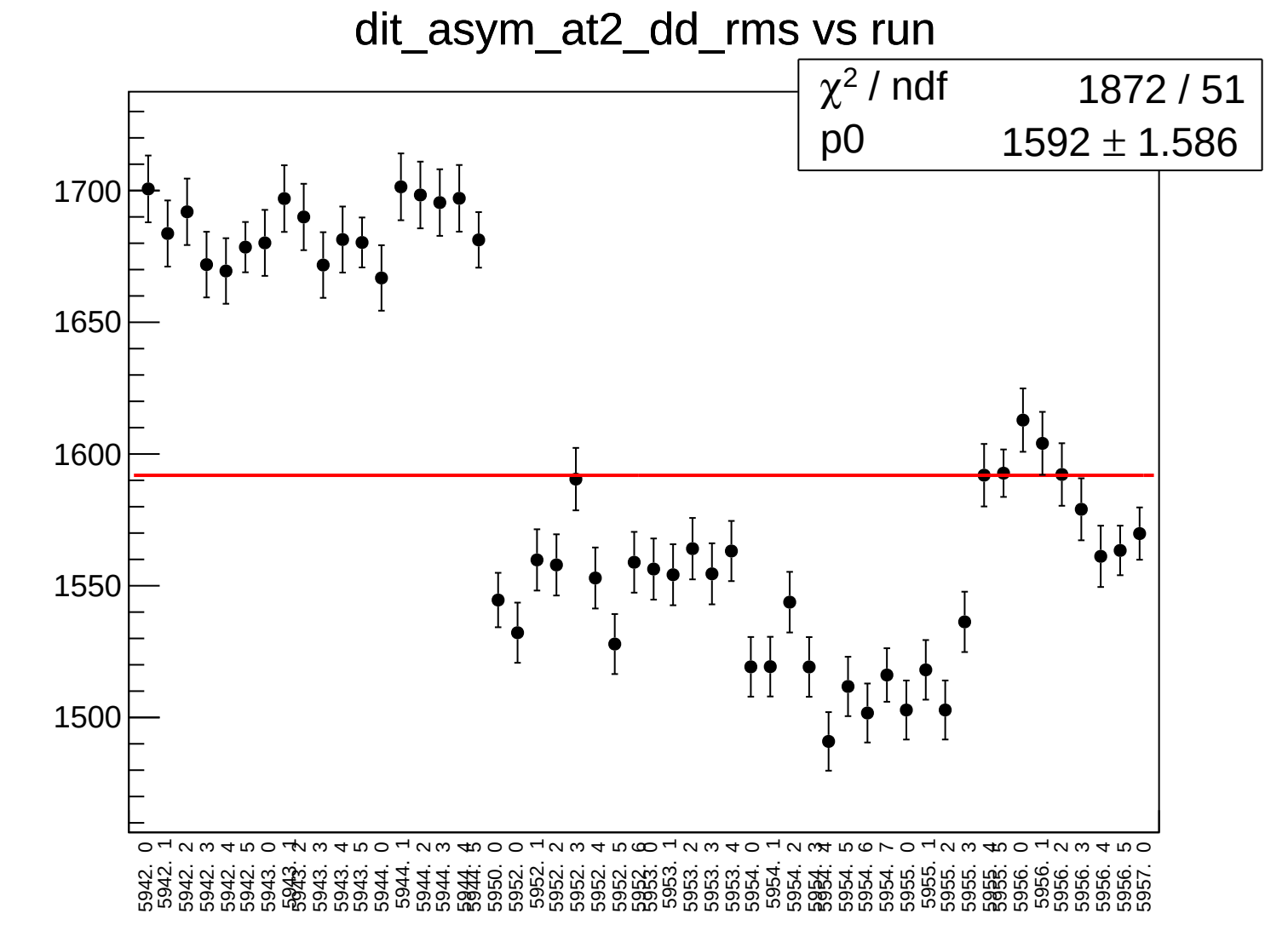

asym_at2_avg_mean vs run
×10^3
χ² / ndf 53.81 / 51
p0 −8167 ± 9660
200
100
0
−100
−200
pull
Entries 52
Mean 206.3
Std Dev 179
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

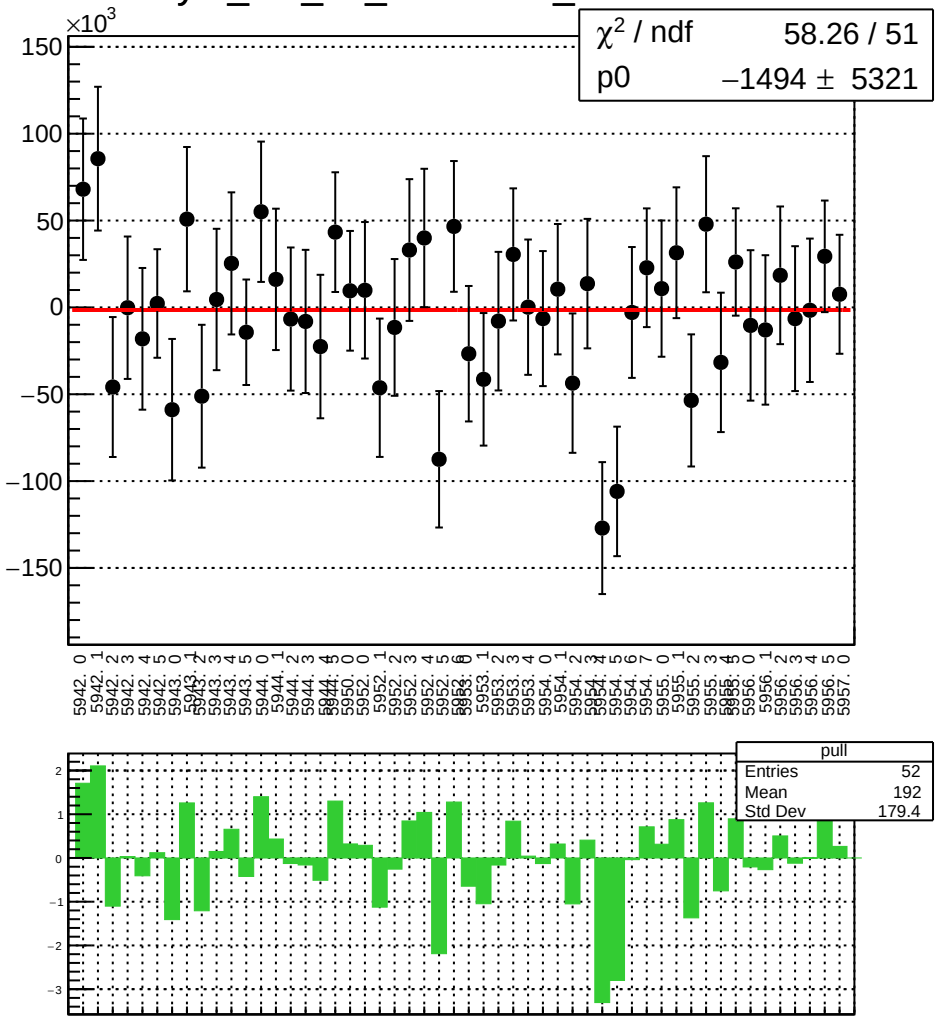

pull1D
Entries 52
Mean 0.01508
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

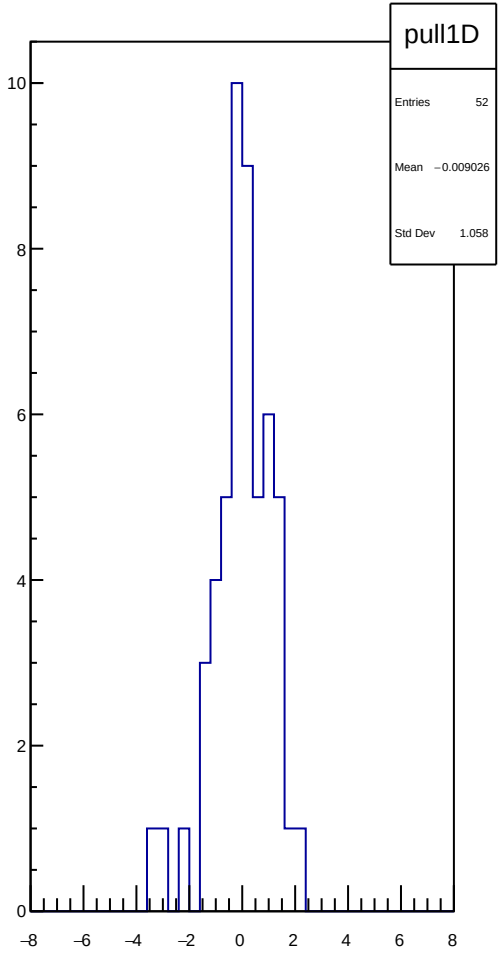

asym_at2_avg_rms vs run
χ² / ndf 4415 / 51
p0 6848 ± 6.831
9000
8500
8000
7500
7000
6500
6000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

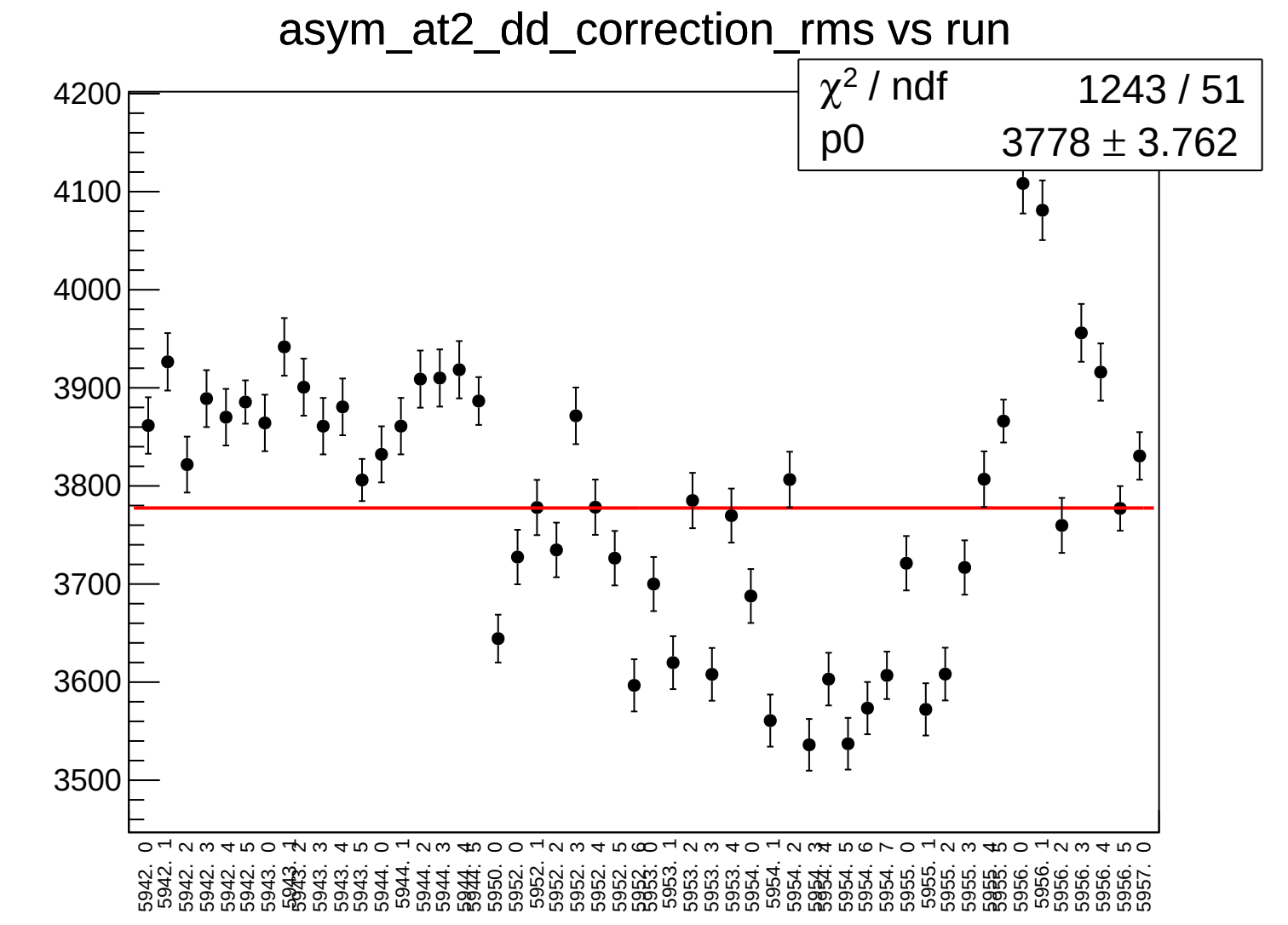

dit_asym_at2_dd_mean vs run
χ² / ndf 62.72 / 51
p0 −1371 ± 2243
pull
Entries 52
Mean 169.1
Std Dev 155.4

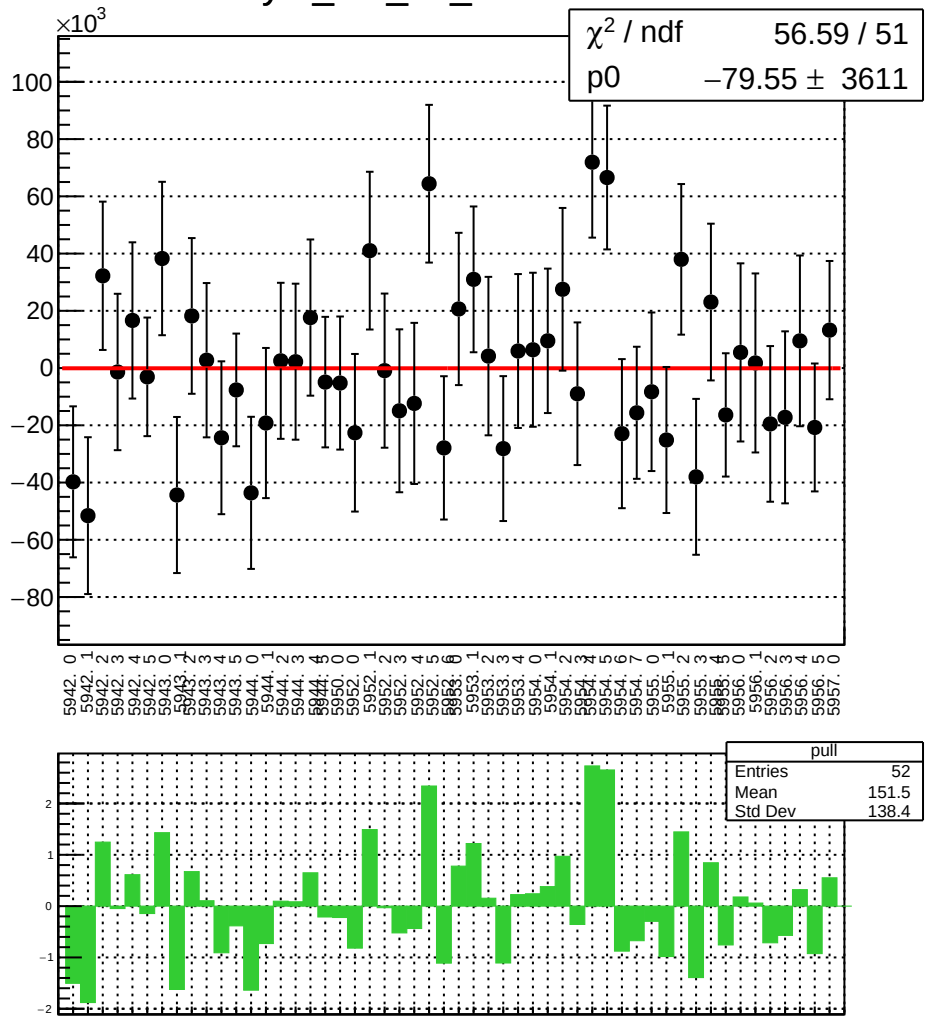

pull1D
Entries 52
Mean −0.008529
Std Dev 1.098

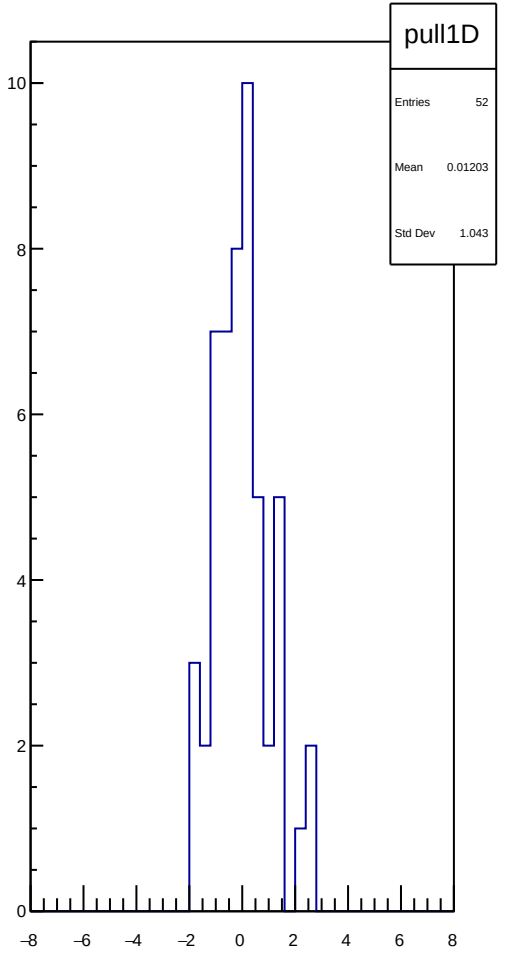

dit_asym_at2_dd_rms vs run
χ² / ndf 1872 / 51
p0 1592 ± 1.586
1700
1650
1600
1550
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

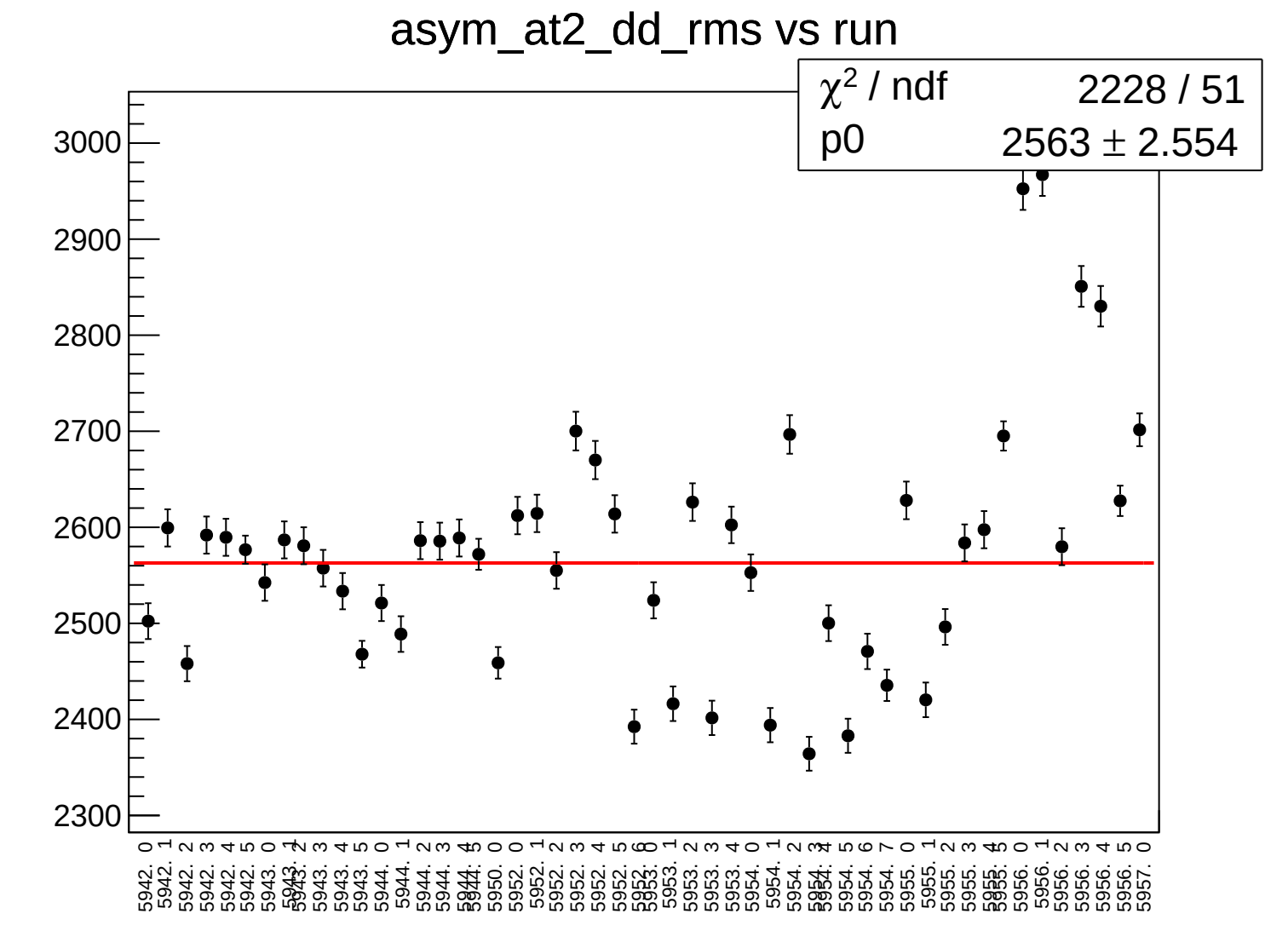

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 58.26 / 51
p0 −1494 ± 5321
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 192
Std Dev 179.4
2
1
0
−1
−2
−3

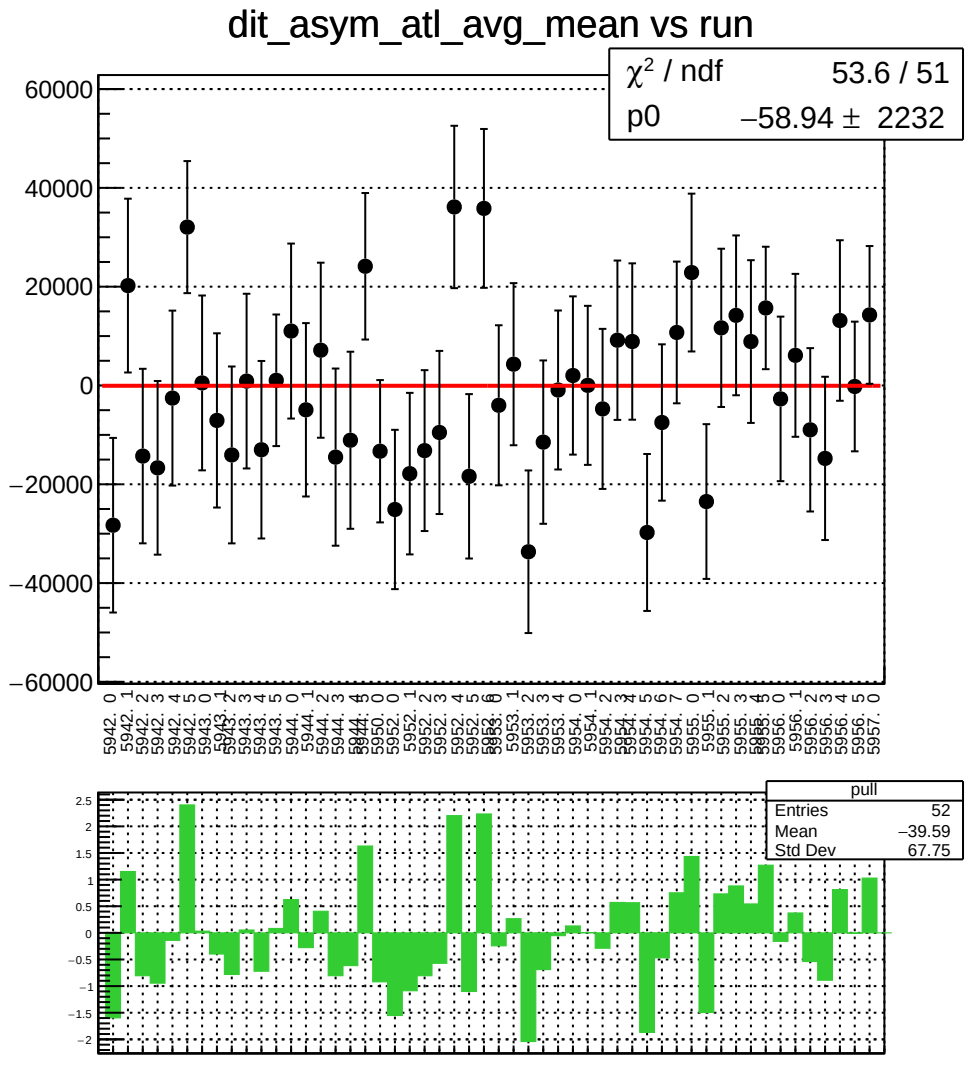

pull1D
Entries 52
Mean −0.009026
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

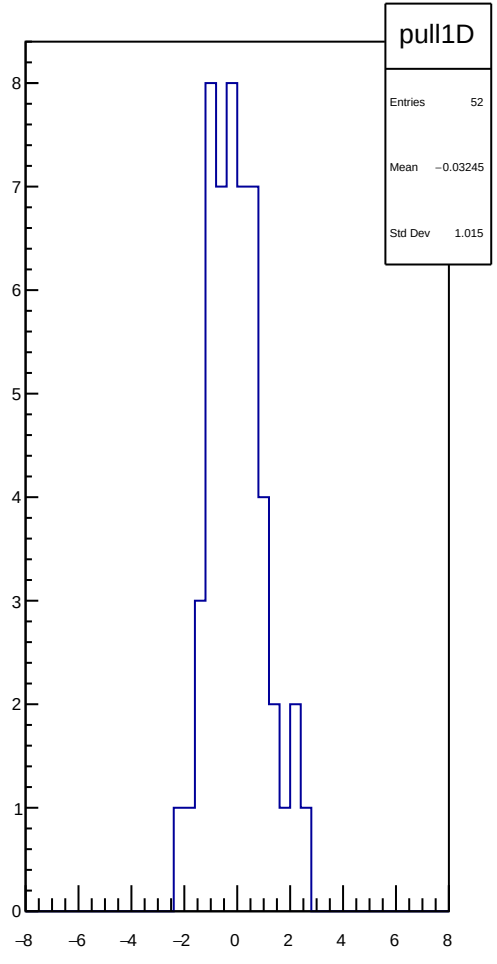

asym_at2_dd_correction_rms vs run
χ² / ndf 1243 / 51
p0 3778 ± 3.762
4200
4100
4000
3900
3800
3700
3600
3500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

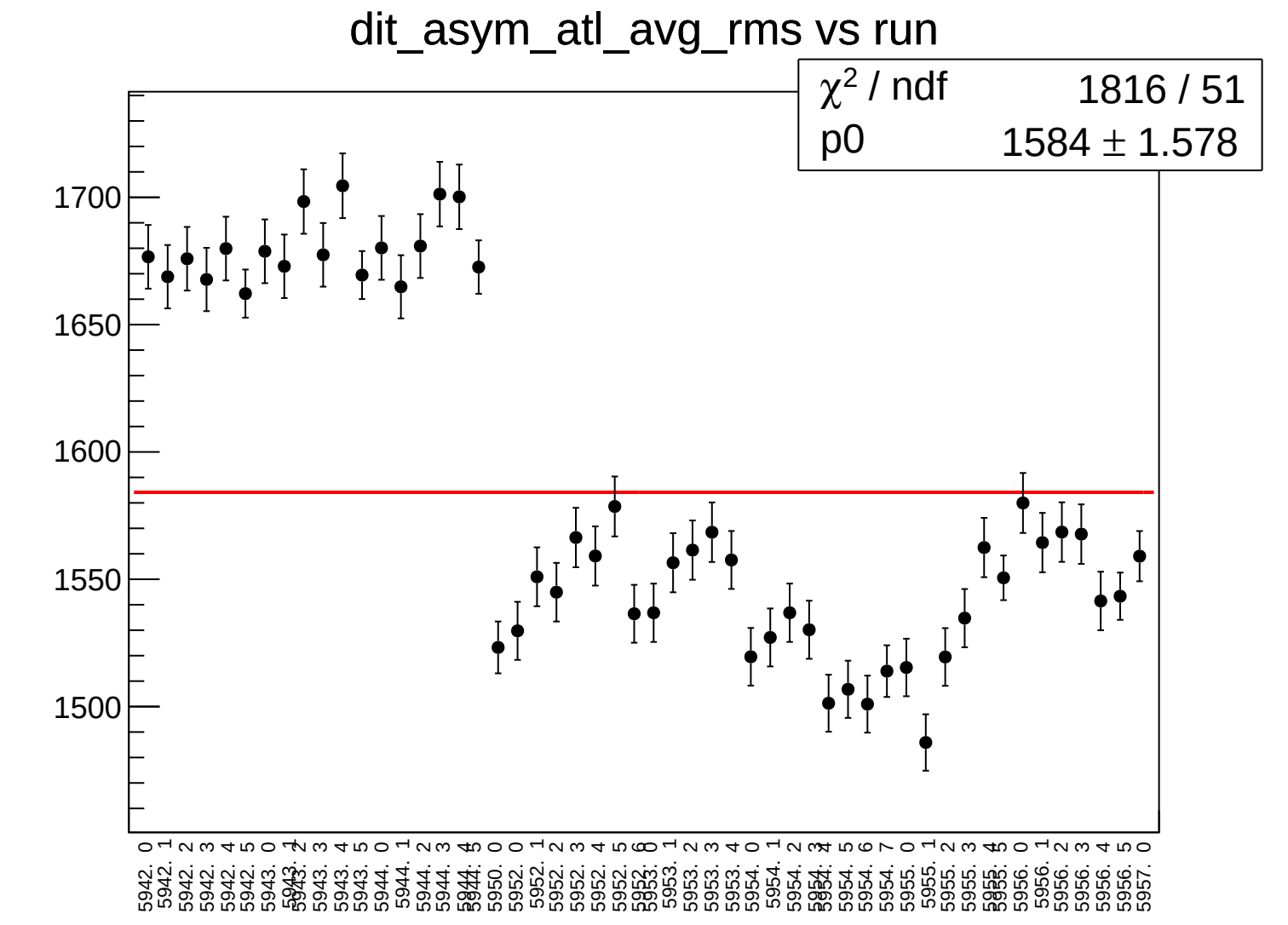

asym_at2_dd_mean vs run
×10^3
χ² / ndf 56.59 / 51
p0 −79.55 ± 3611
pull
Entries 52
Mean 151.5
Std Dev 138.4

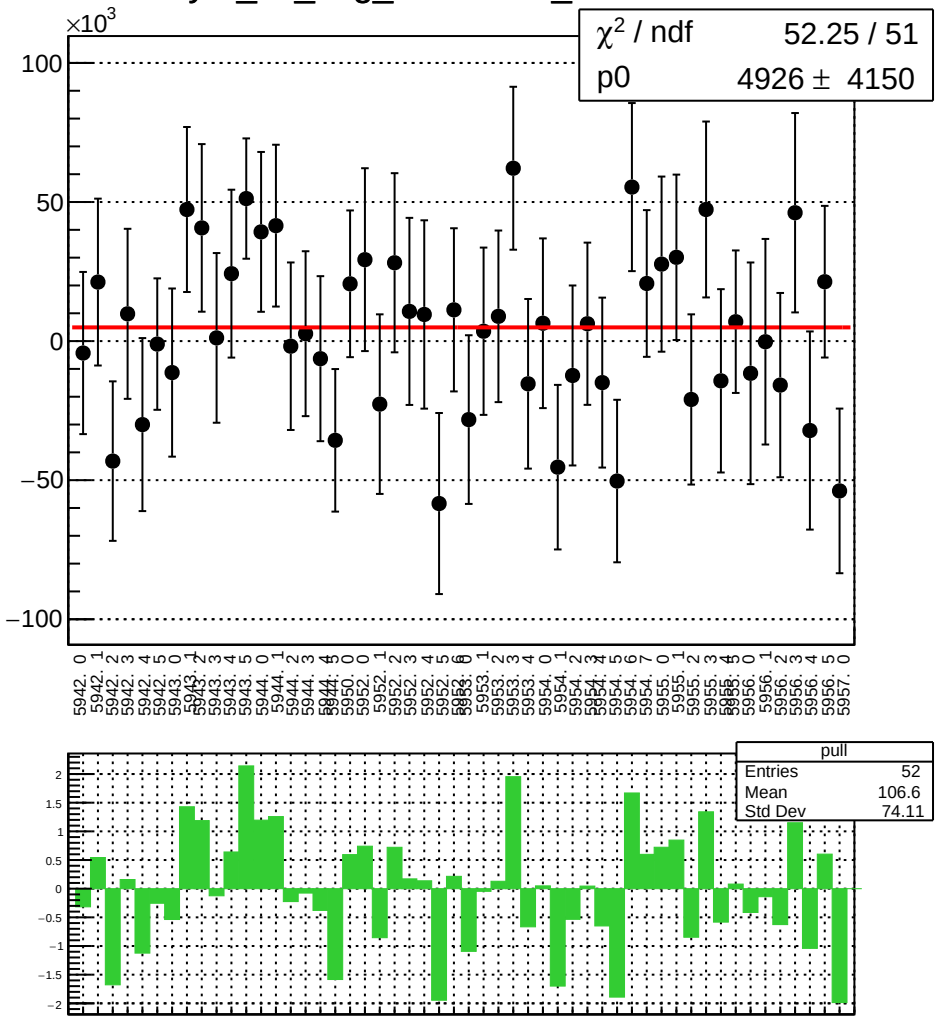

pull1D
Entries 52
Mean 0.01203
Std Dev 1.043

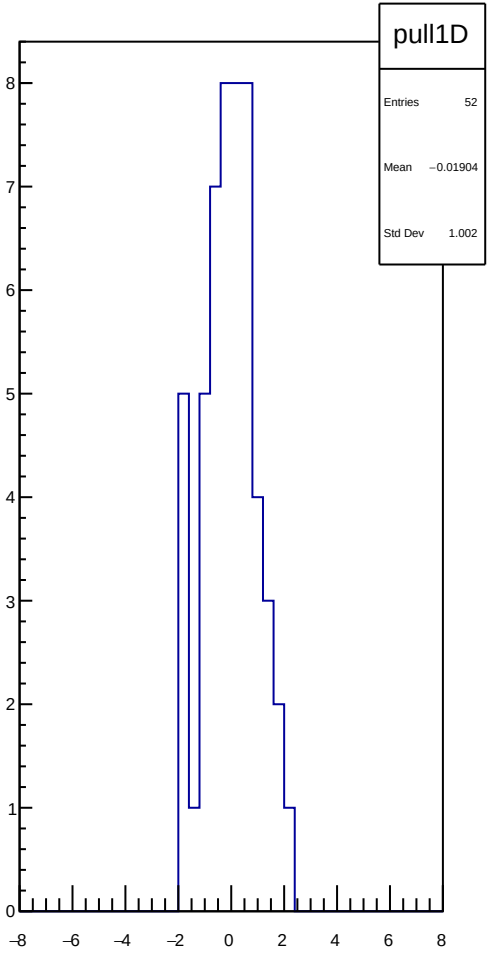

asym_at2_dd_rms vs run
χ² / ndf 2228 / 51
p0 2563 ± 2.554
3000
2900
2800
2700
2600
2500
2400
2300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

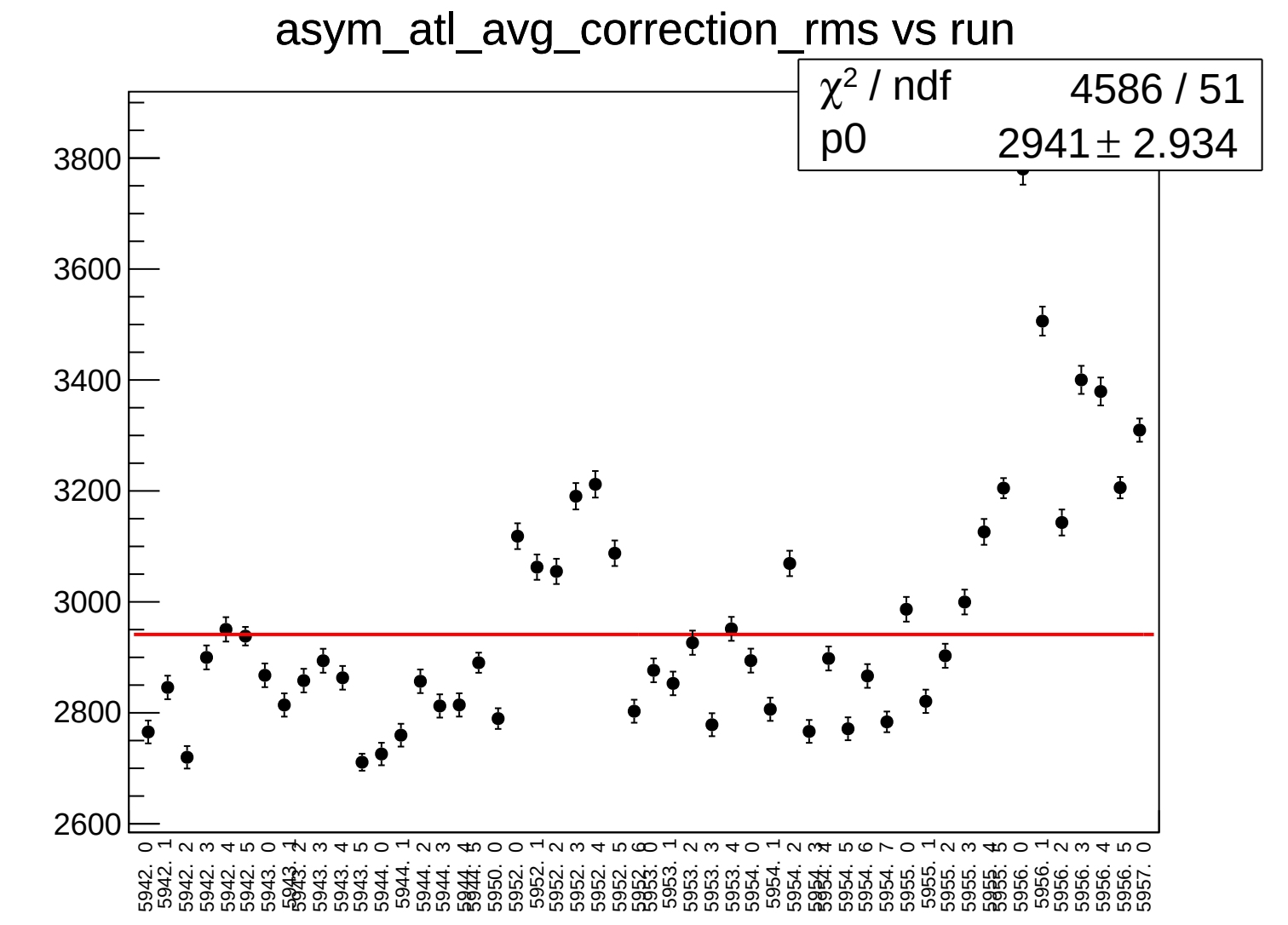

dit_asym_atl_avg_mean vs run
χ² / ndf 53.6 / 51
p0 −58.94 ± 2232
pull
Entries 52
Mean −39.59
Std Dev 67.75

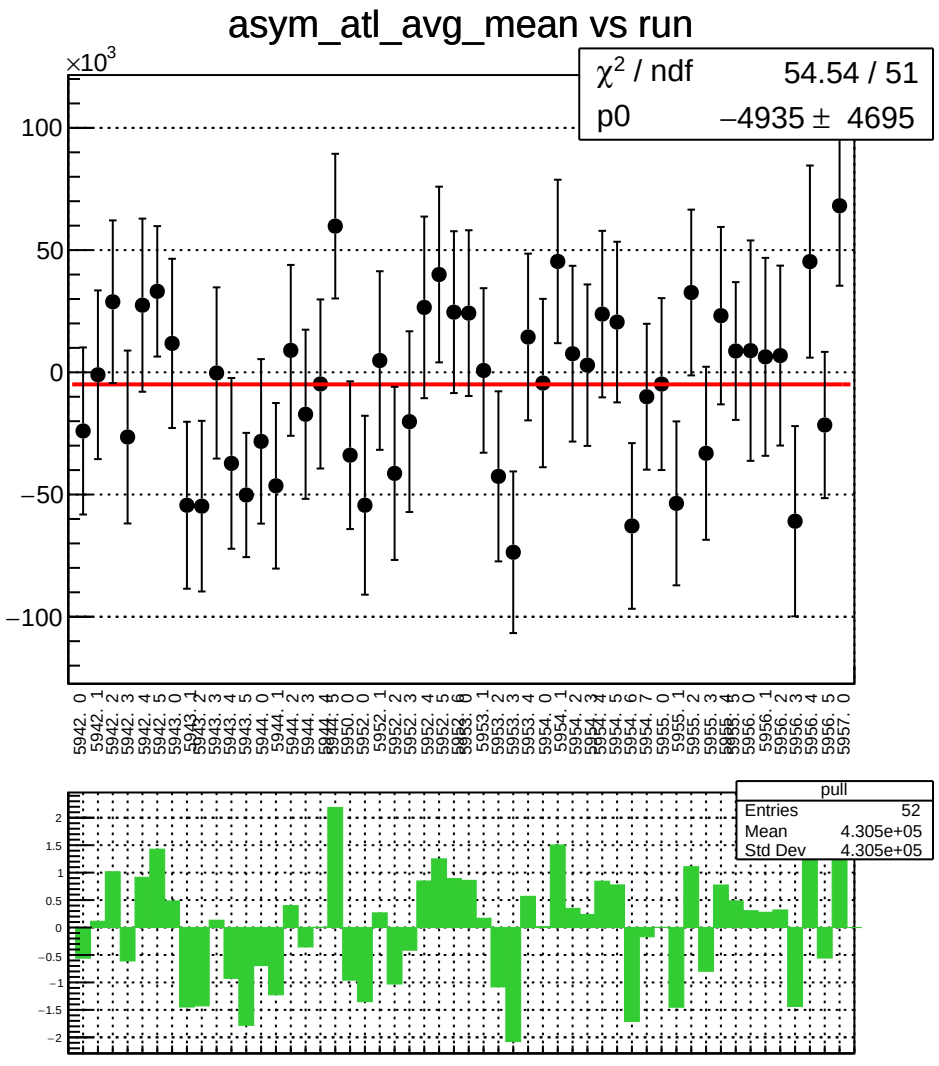

pull1D
Entries 52
Mean −0.03245
Std Dev 1.015

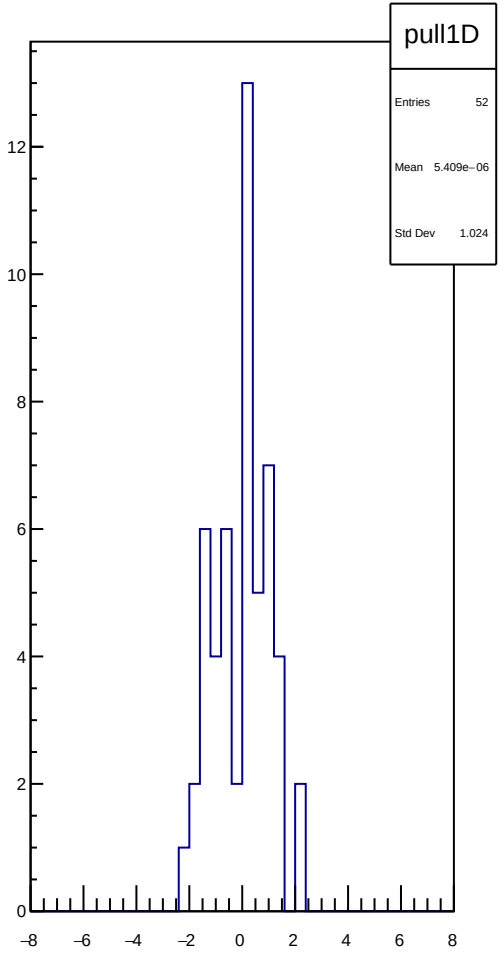

dit_asym_atl_avg_rms vs run
χ² / ndf 1816 / 51
p0 1584 ± 1.578
1700
1650
1600
1550
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

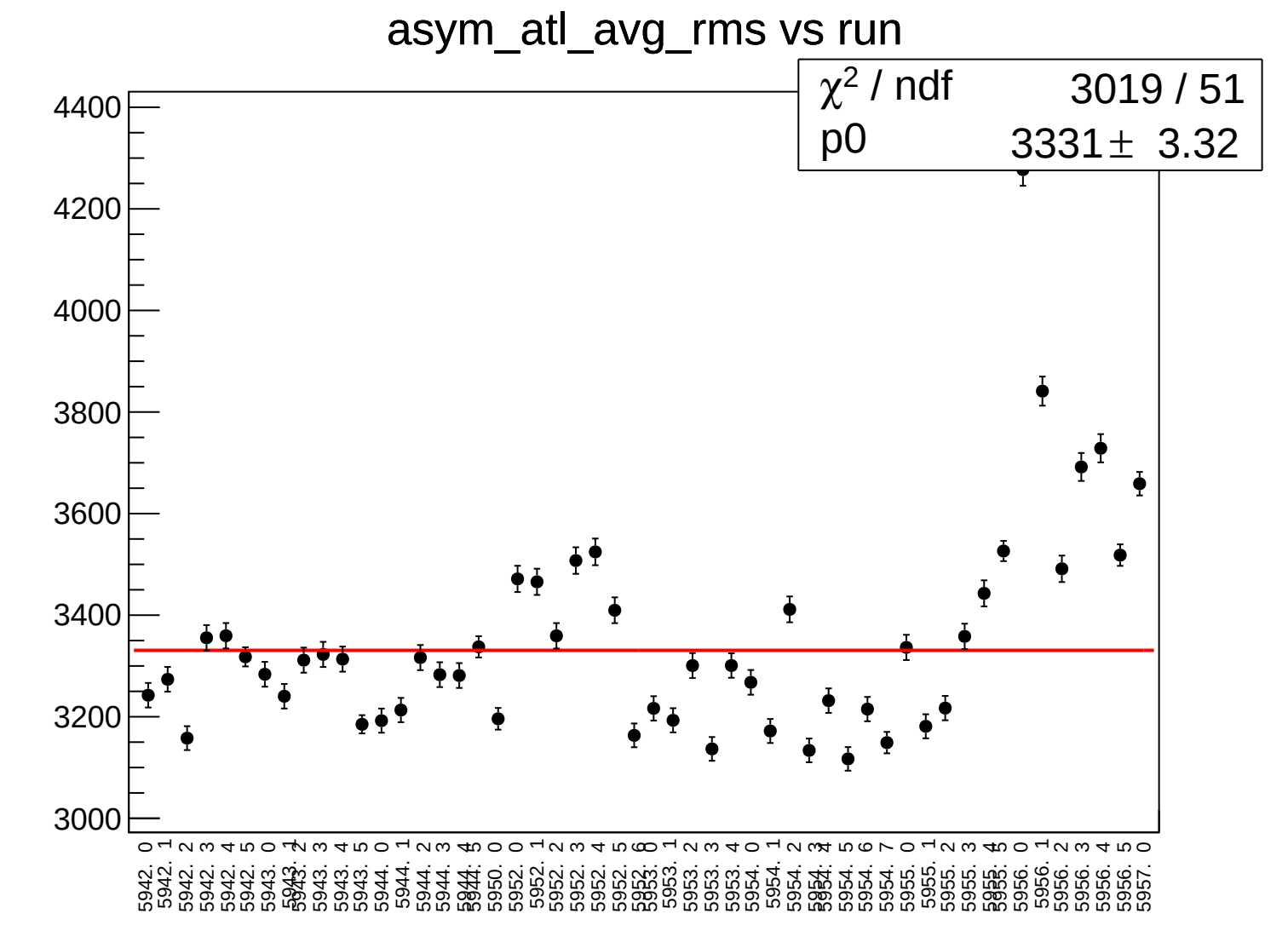

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 52.25 / 51
p0 4926 ± 4150
100
50
0
−50
−100
pull
Entries 52
Mean 106.6
Std Dev 74.11
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

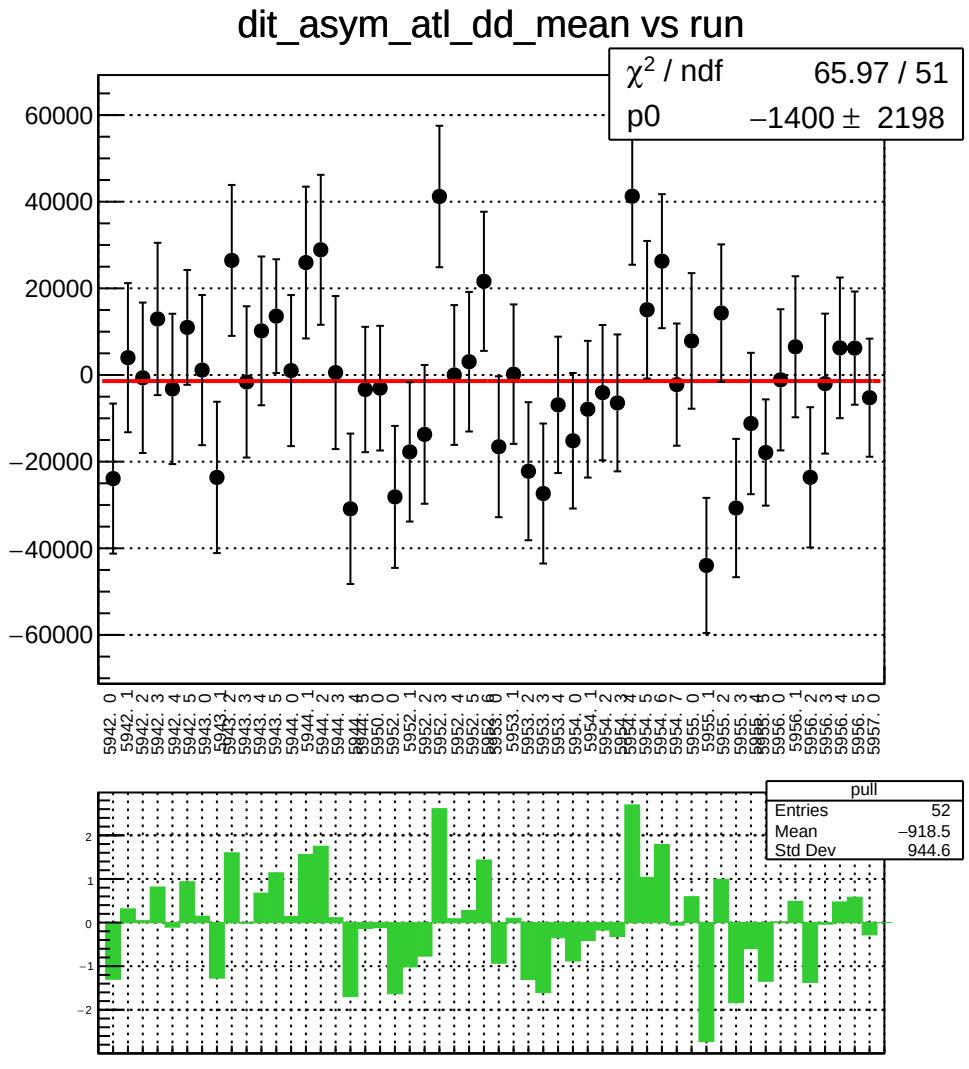

pull1D
Entries 52
Mean −0.01904
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

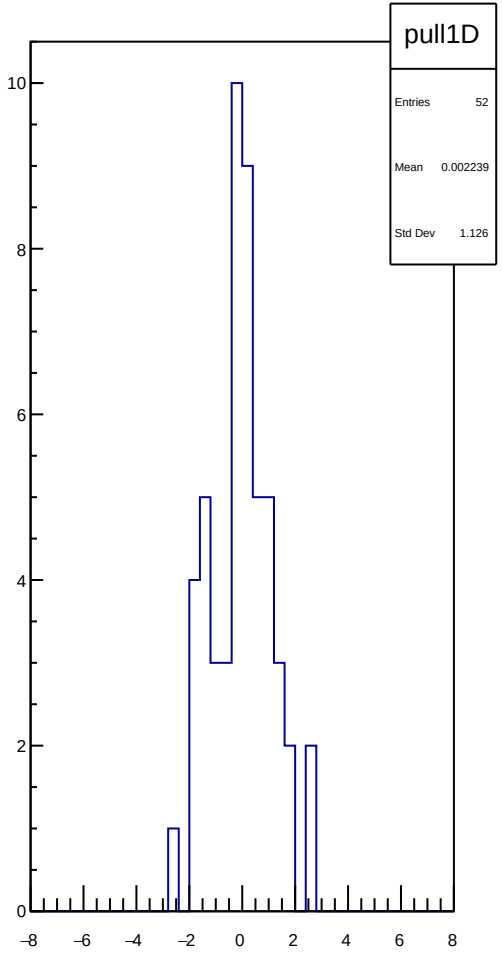

asym_atl_avg_correction_rms vs run
χ² / ndf 4586 / 51
p0 2941 ± 2.934
3800
3600
3400
3200
3000
2800
2600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

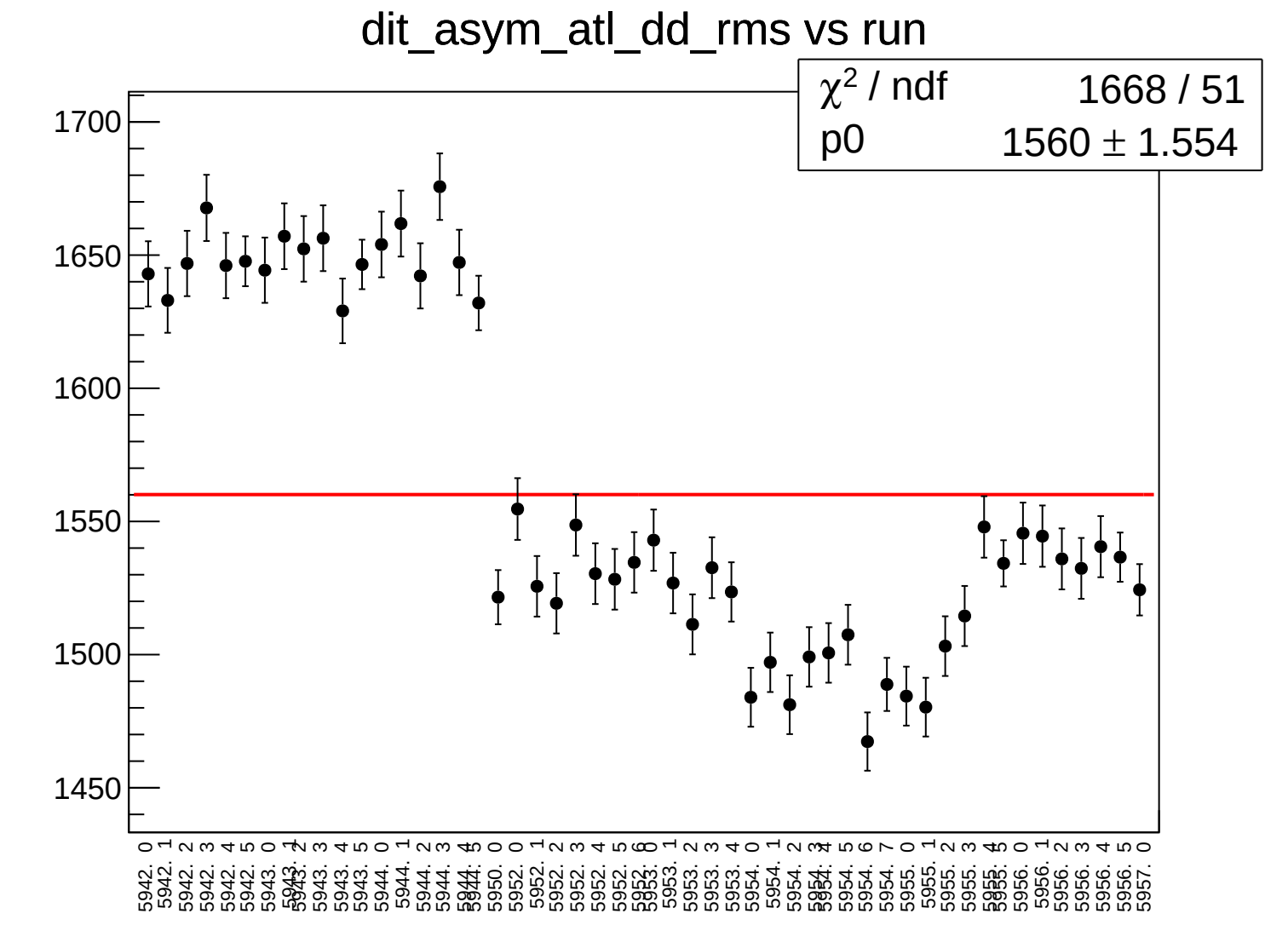

asym_atl_avg_mean vs run
×10^3
χ² / ndf 54.54 / 51
p0 −4935 ± 4695
100
50
0
−50
−100
pull
Entries 52
Mean 4.305e+05
Std Dev 4.305e+05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

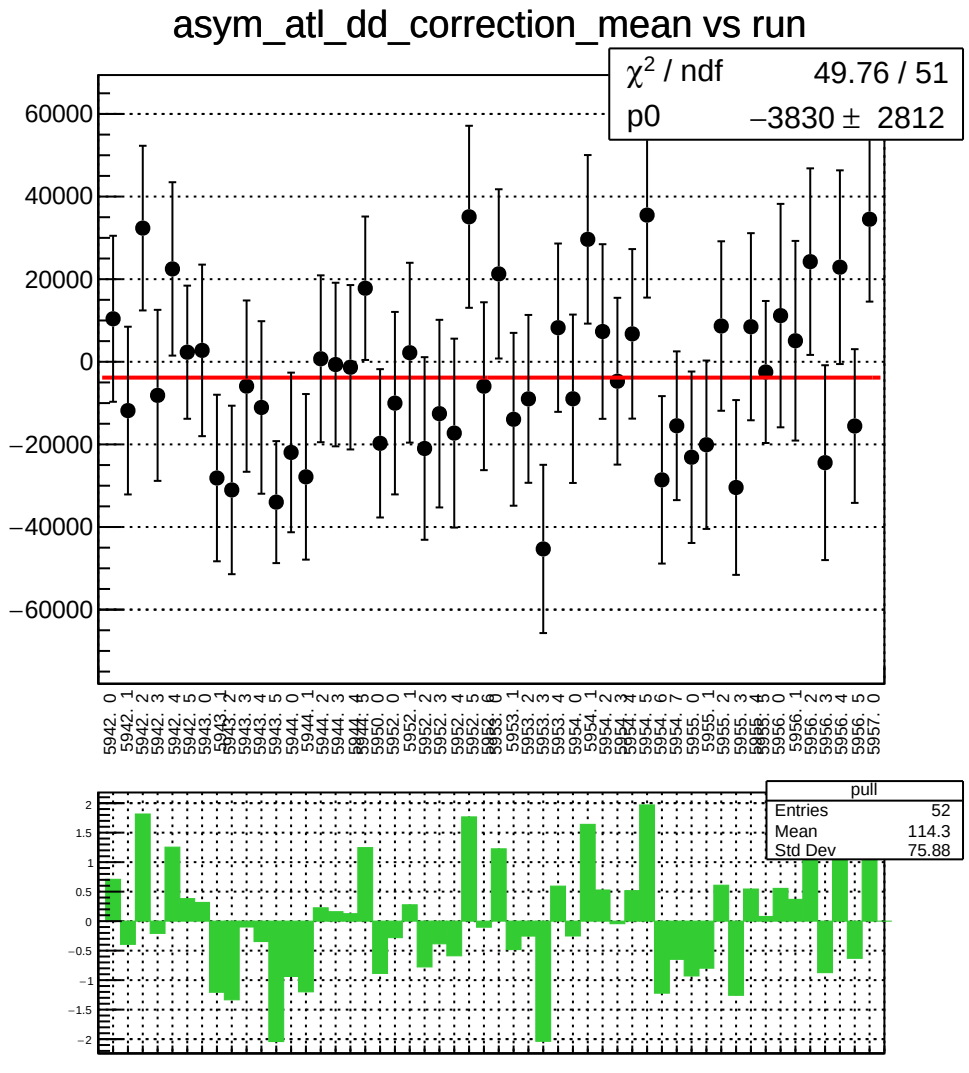

pull1D
Entries 52
Mean 5.409e−06
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

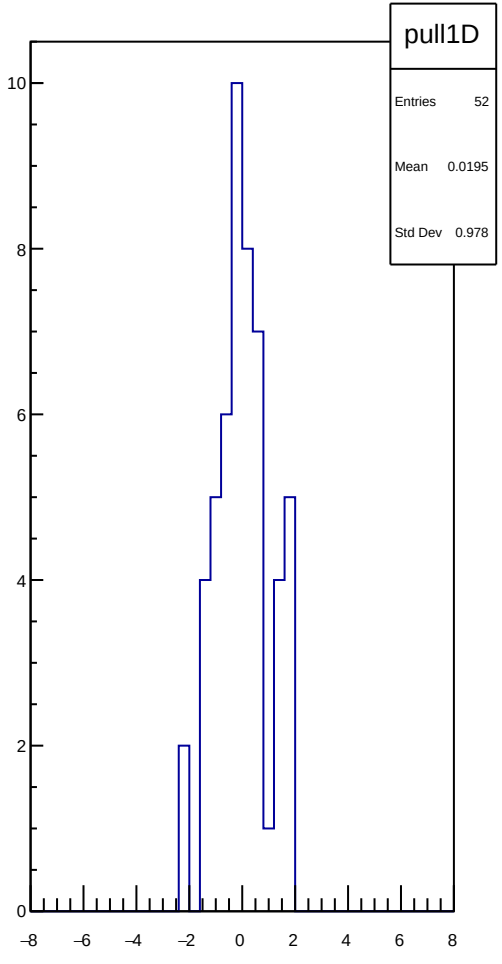

asym_atl_avg_rms vs run
χ² / ndf 3019 / 51
p0 3331 ± 3.32
4400
4200
4000
3800
3600
3400
3200
3000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

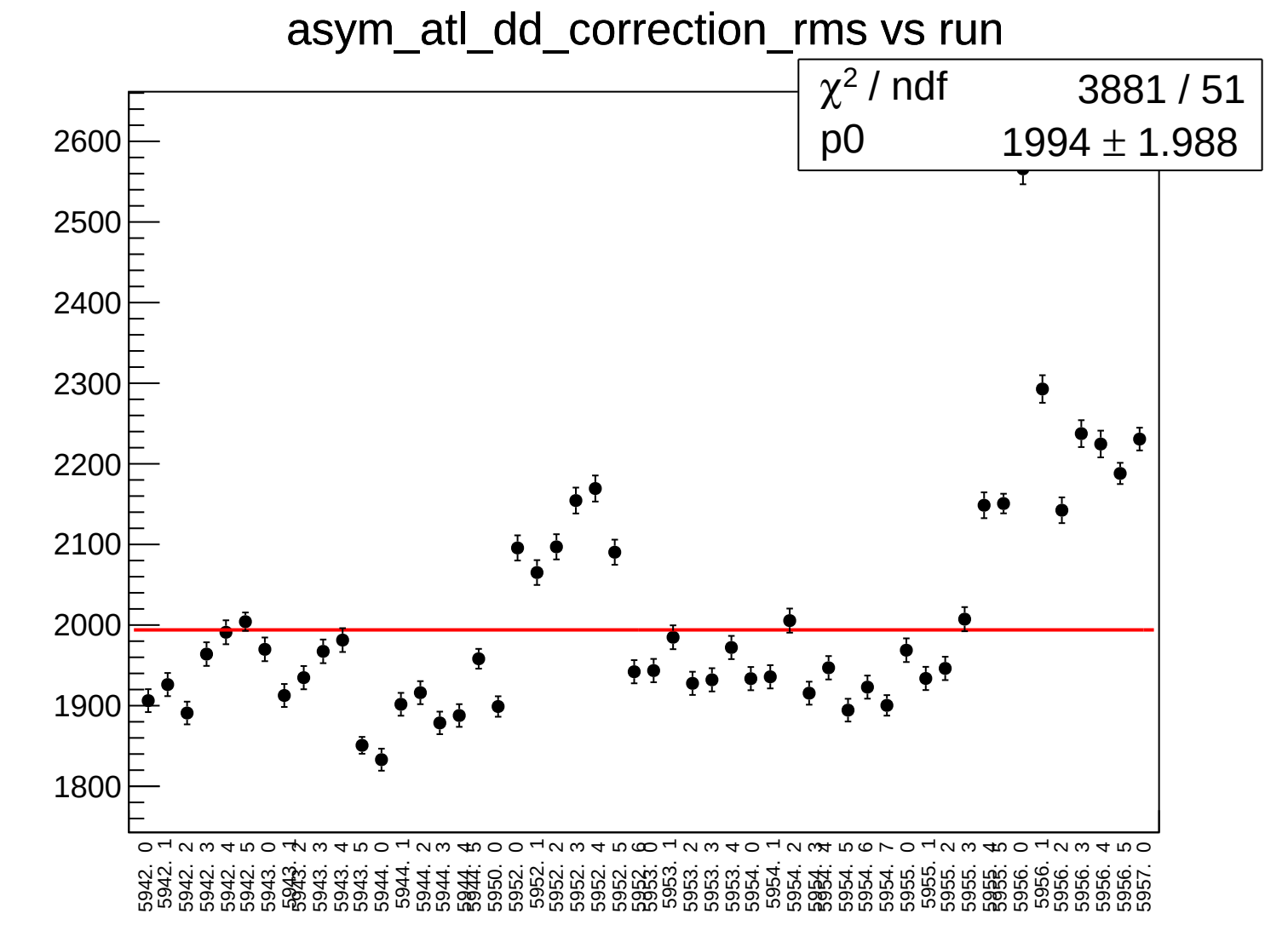

dit_asym_atl_dd_mean vs run
χ² / ndf 65.97 / 51
p0 −1400 ± 2198
pull
Entries 52
Mean −918.5
Std Dev 944.6

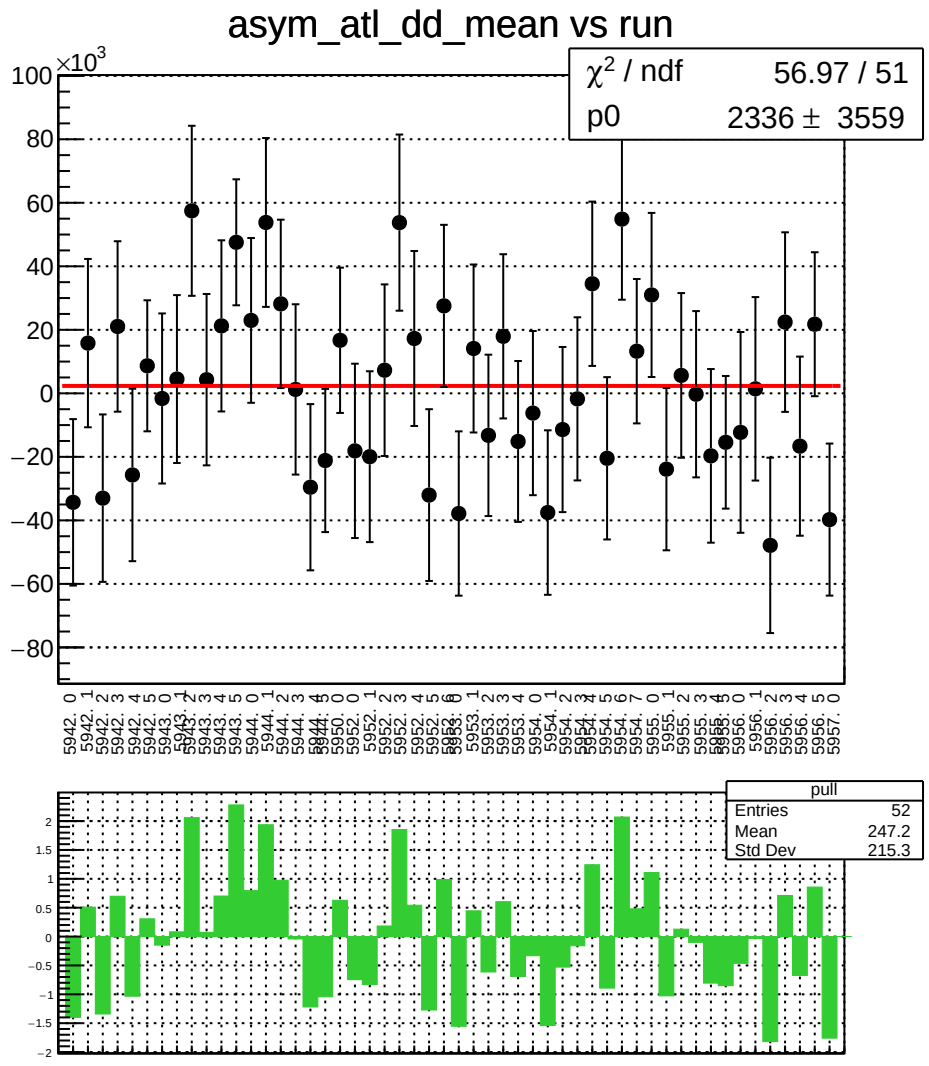

pull1D
Entries 52
Mean 0.002239
Std Dev 1.126

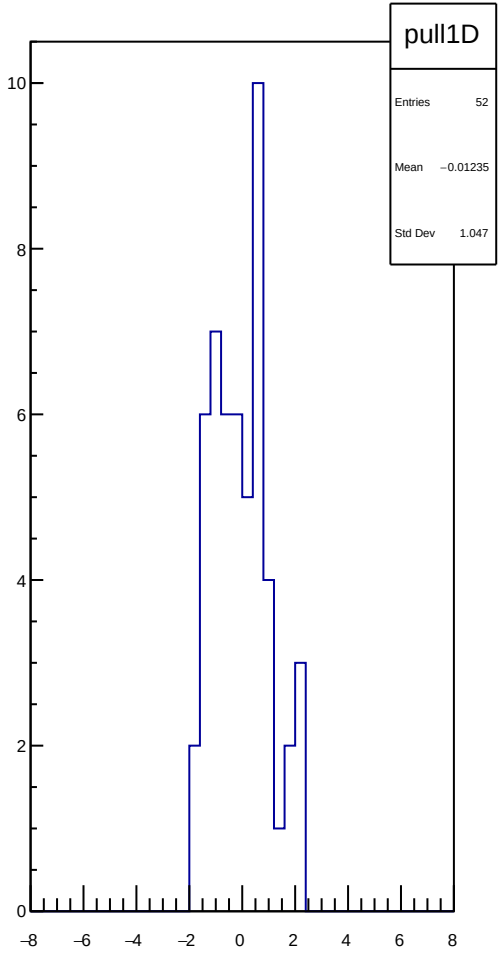

dit_asym_atl_dd_rms vs run
χ² / ndf 1668 / 51
p0 1560 ± 1.554
1700
1650
1600
1550
1500
1450
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

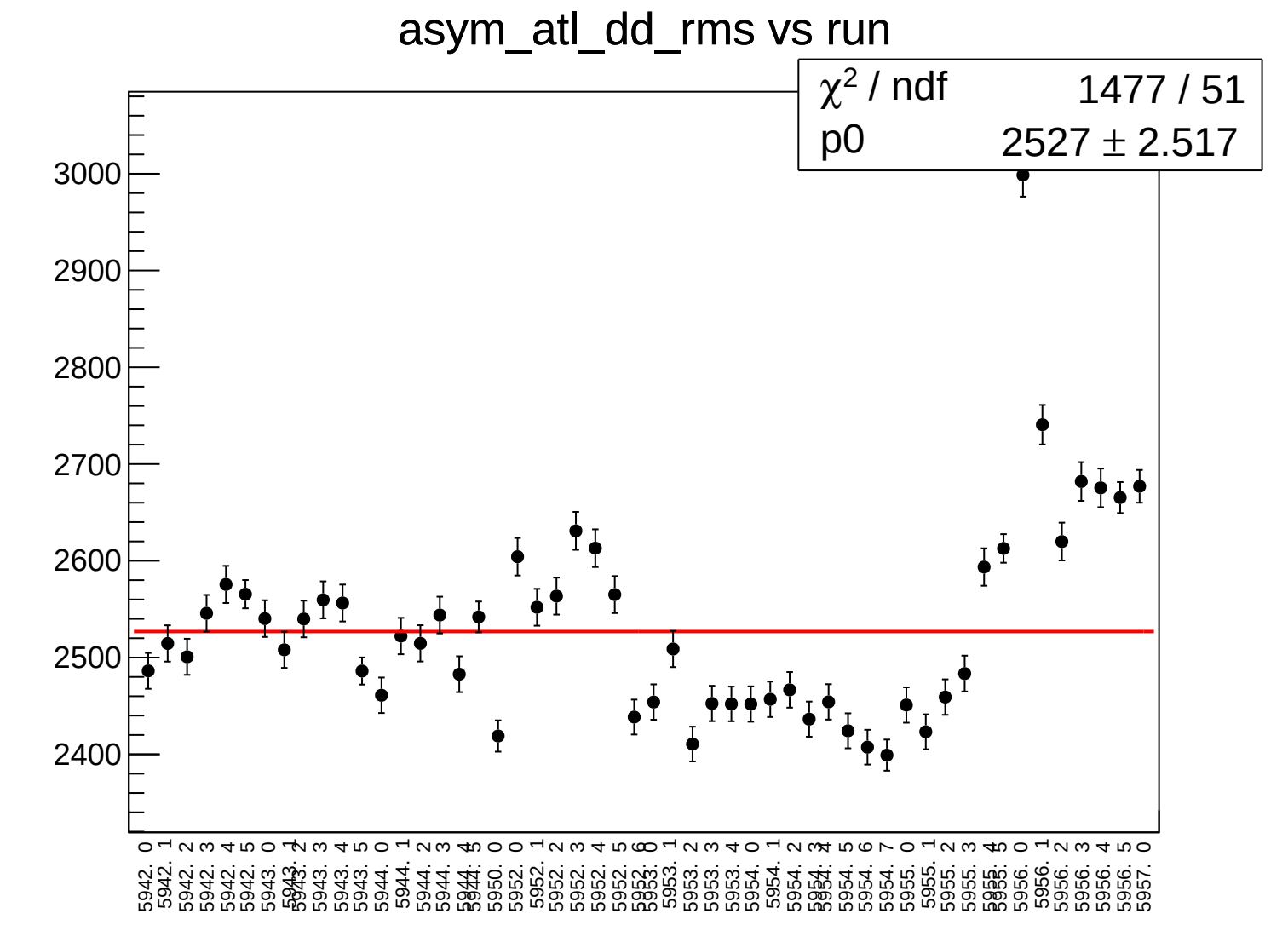

asym_atl_dd_correction_mean vs run
χ² / ndf 49.76 / 51
p0 −3830 ± 2812
pull
Entries 52
Mean 114.3
Std Dev 75.88

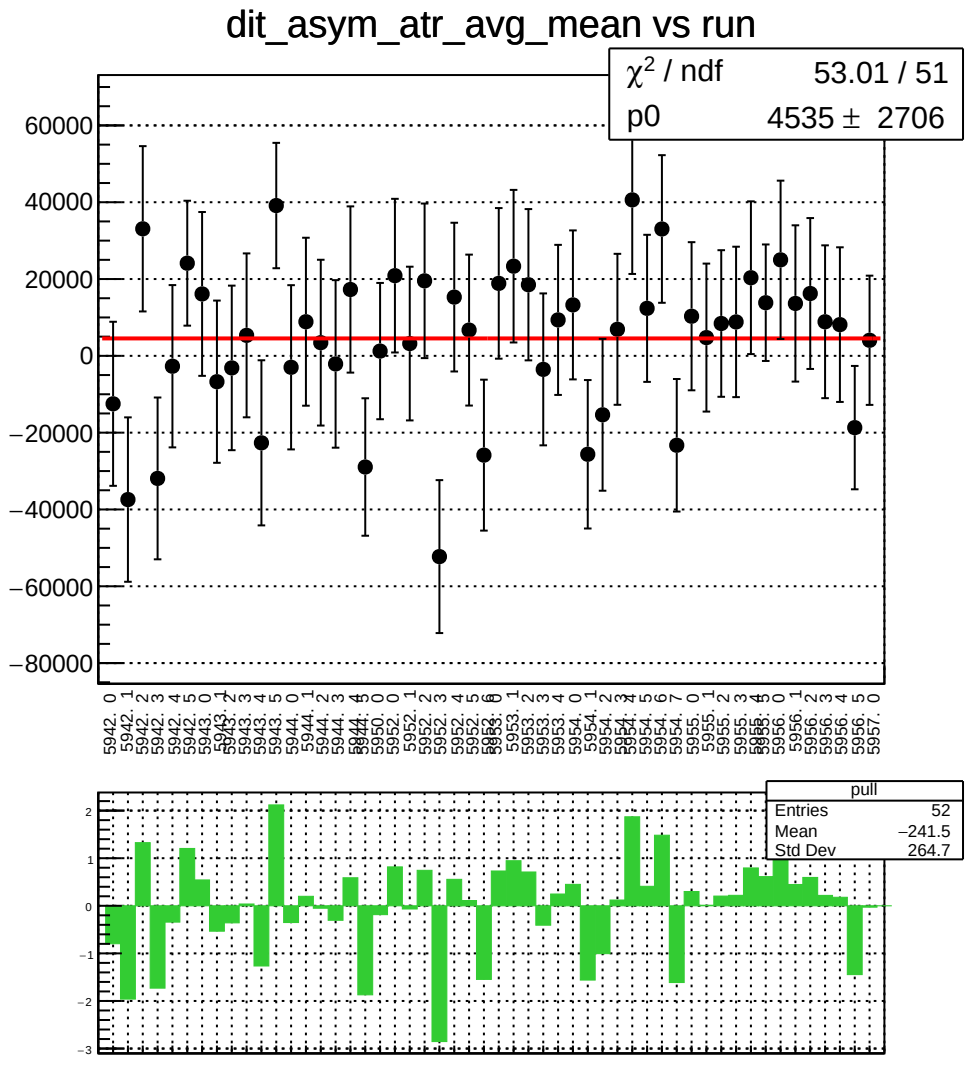

pull1D
Entries 52
Mean 0.0195
Std Dev 0.978

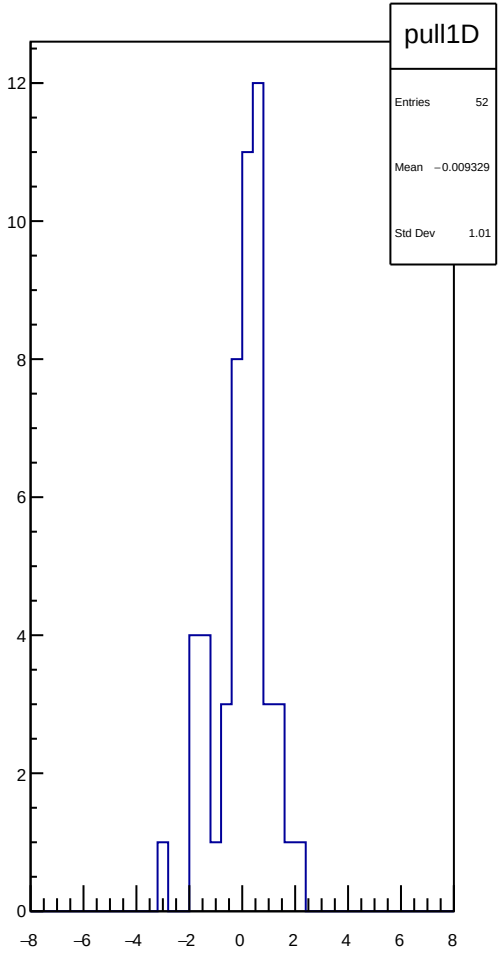

asym_atl_dd_correction_rms vs run
χ² / ndf 3881 / 51
p0 1994 ± 1.988
2600
2500
2400
2300
2200
2100
2000
1900
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

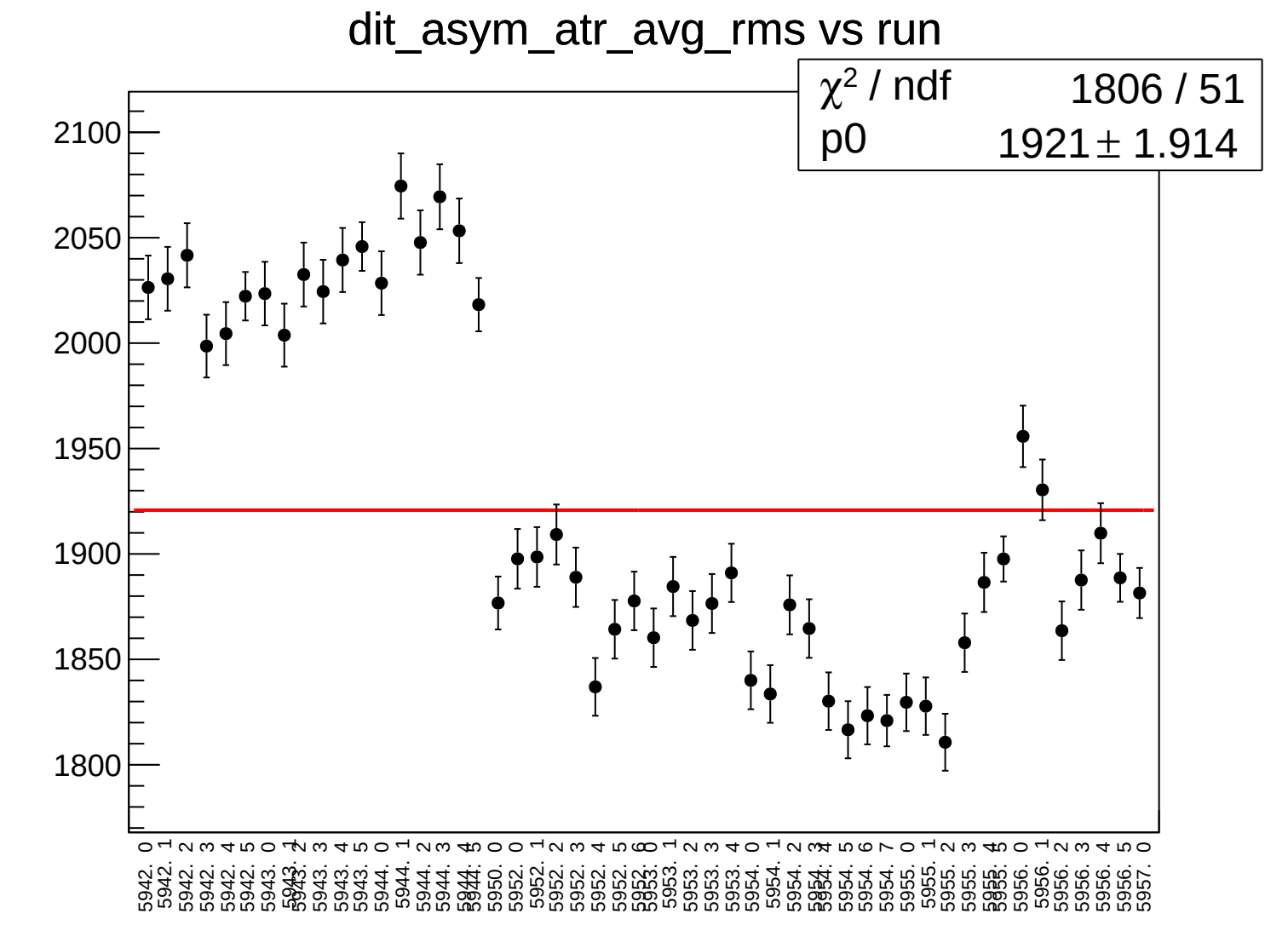

asym_atl_dd_mean vs run
χ² / ndf 56.97 / 51
p0 2336 ± 3559
×10³
pull
Entries 52
Mean 247.2
Std Dev 215.3

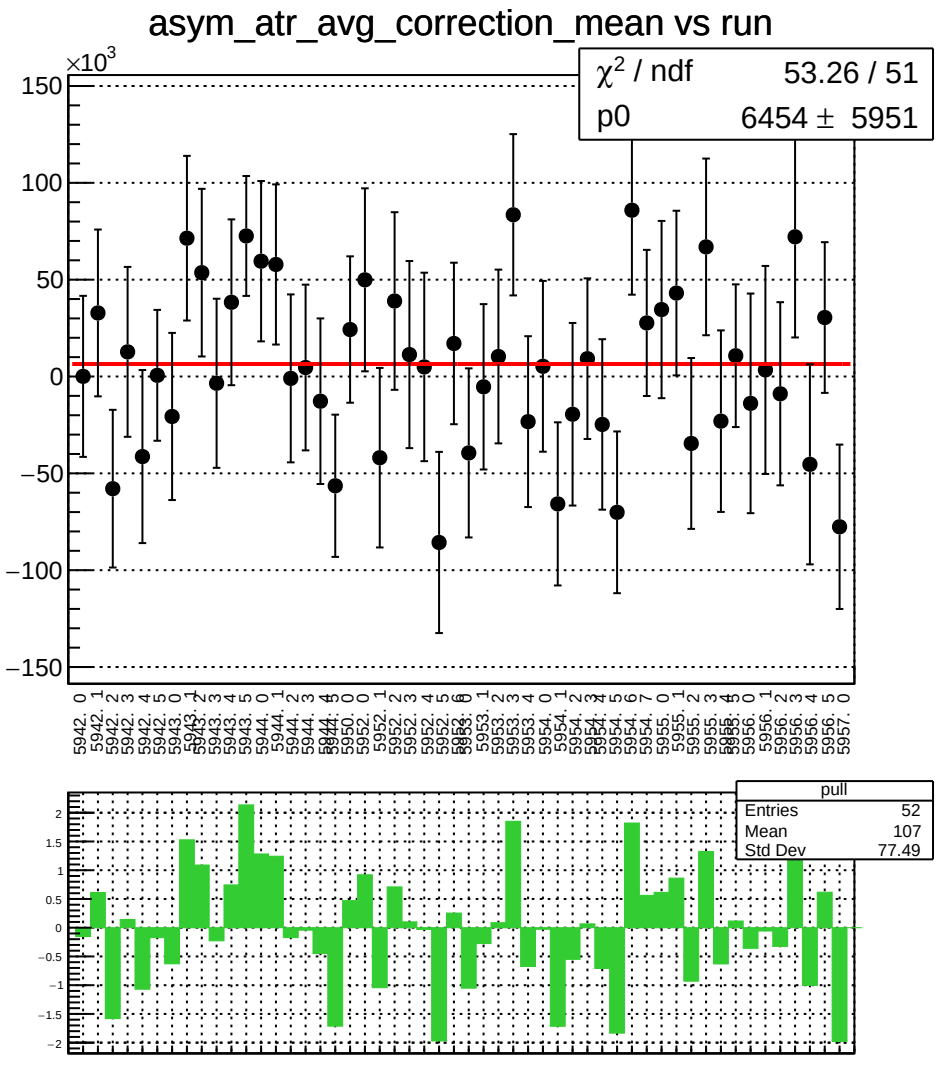

pull1D
Entries 52
Mean −0.01235
Std Dev 1.047

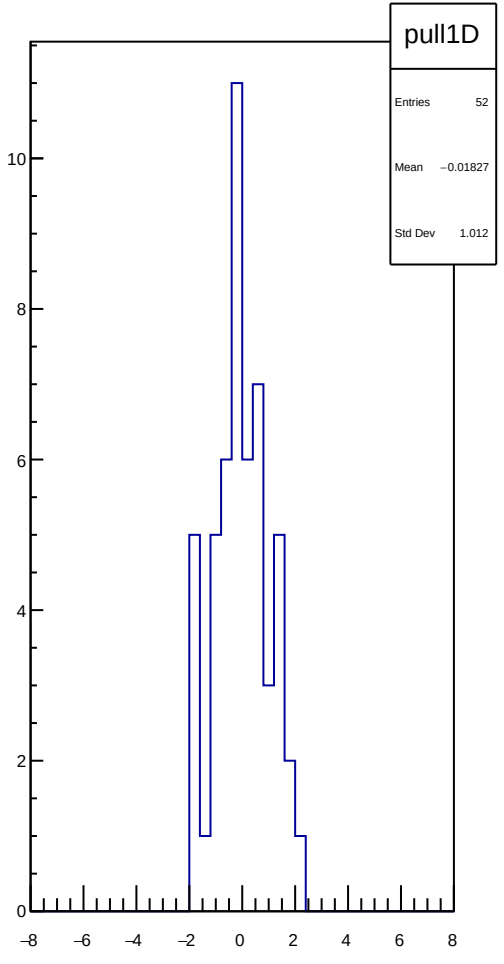

asym_atl_dd_rms vs run
χ² / ndf 1477 / 51
p0 2527 ± 2.517
3000
2900
2800
2700
2600
2500
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

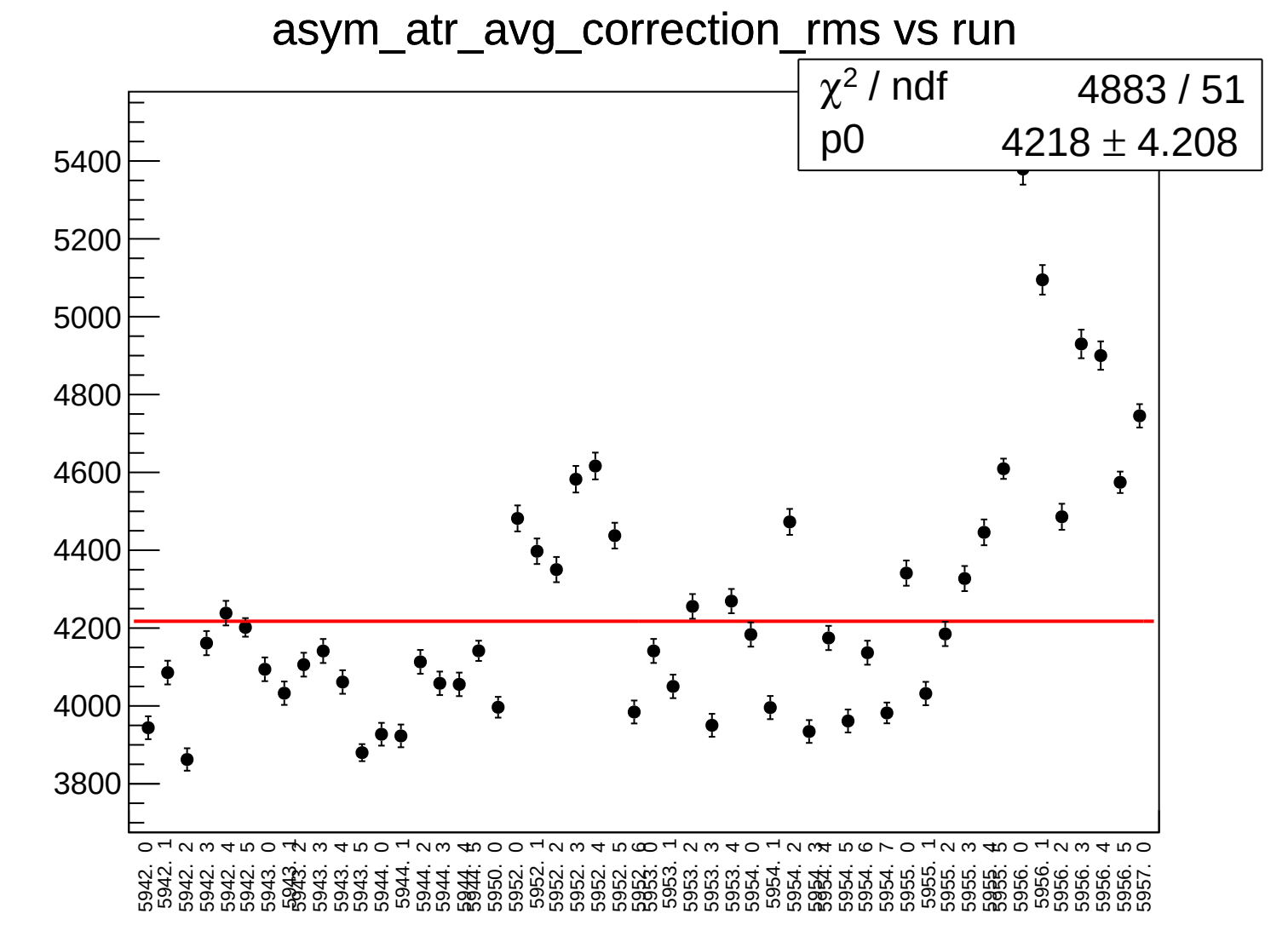

dit_asym_atr_avg_mean vs run
χ² / ndf 53.01 / 51
p0 4535 ± 2706
pull
Entries 52
Mean −241.5
Std Dev 264.7

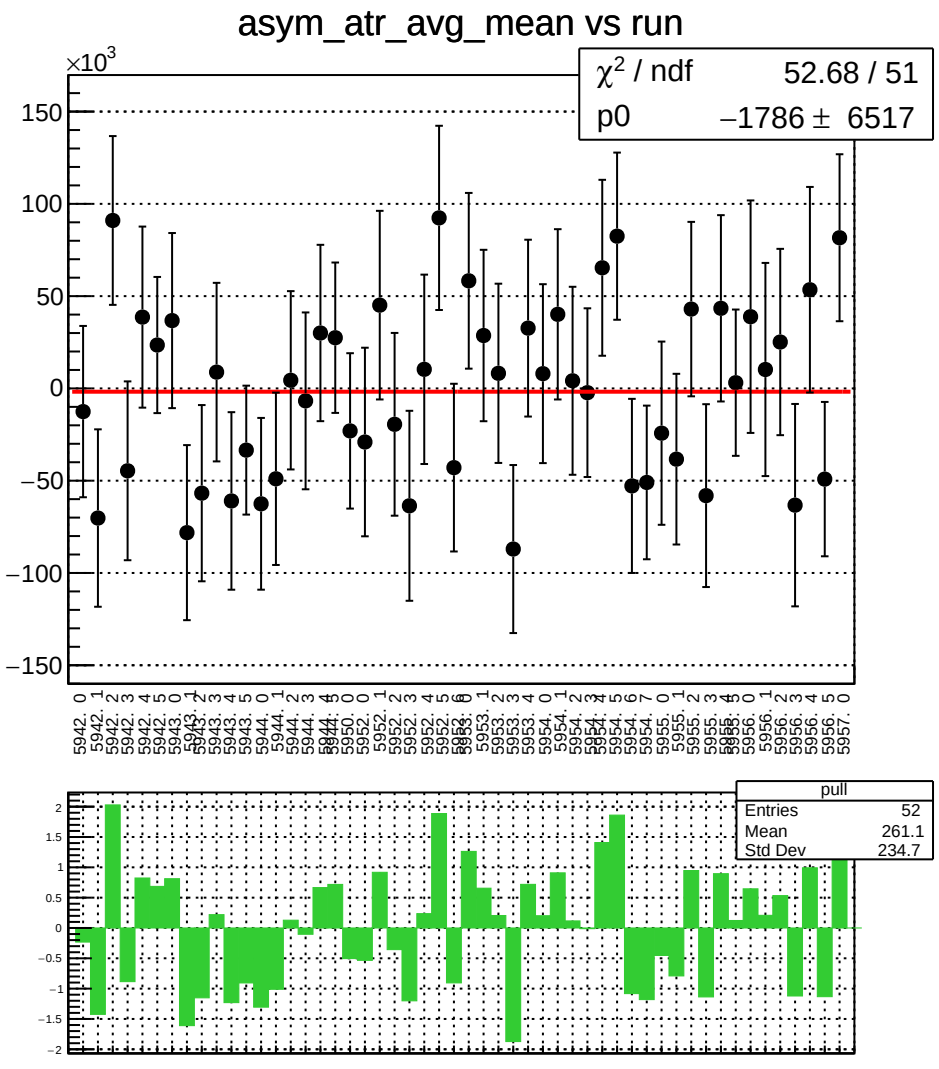

pull1D
Entries 52
Mean −0.009329
Std Dev 1.01

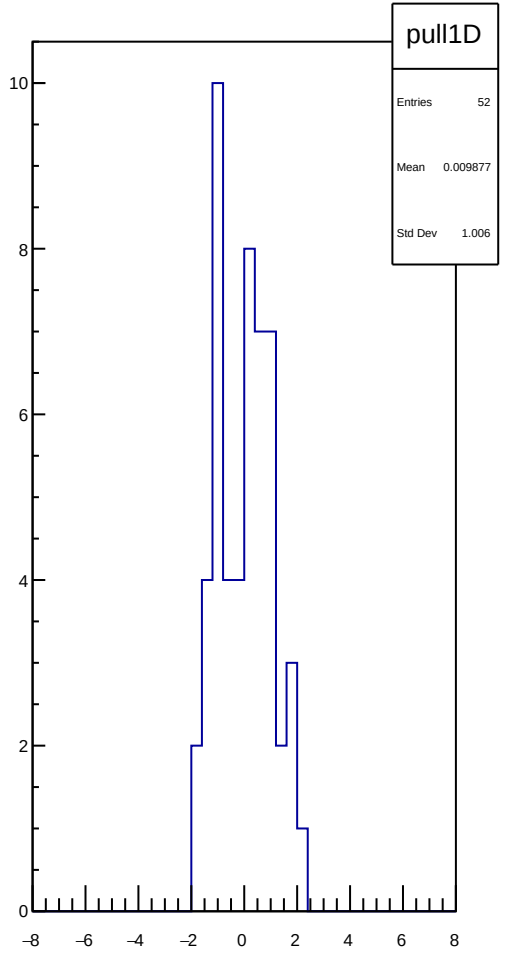

dit_asym_atr_avg_rms vs run
χ² / ndf 1806 / 51
p0 1921 ± 1.914
2100
2050
2000
1950
1900
1850
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

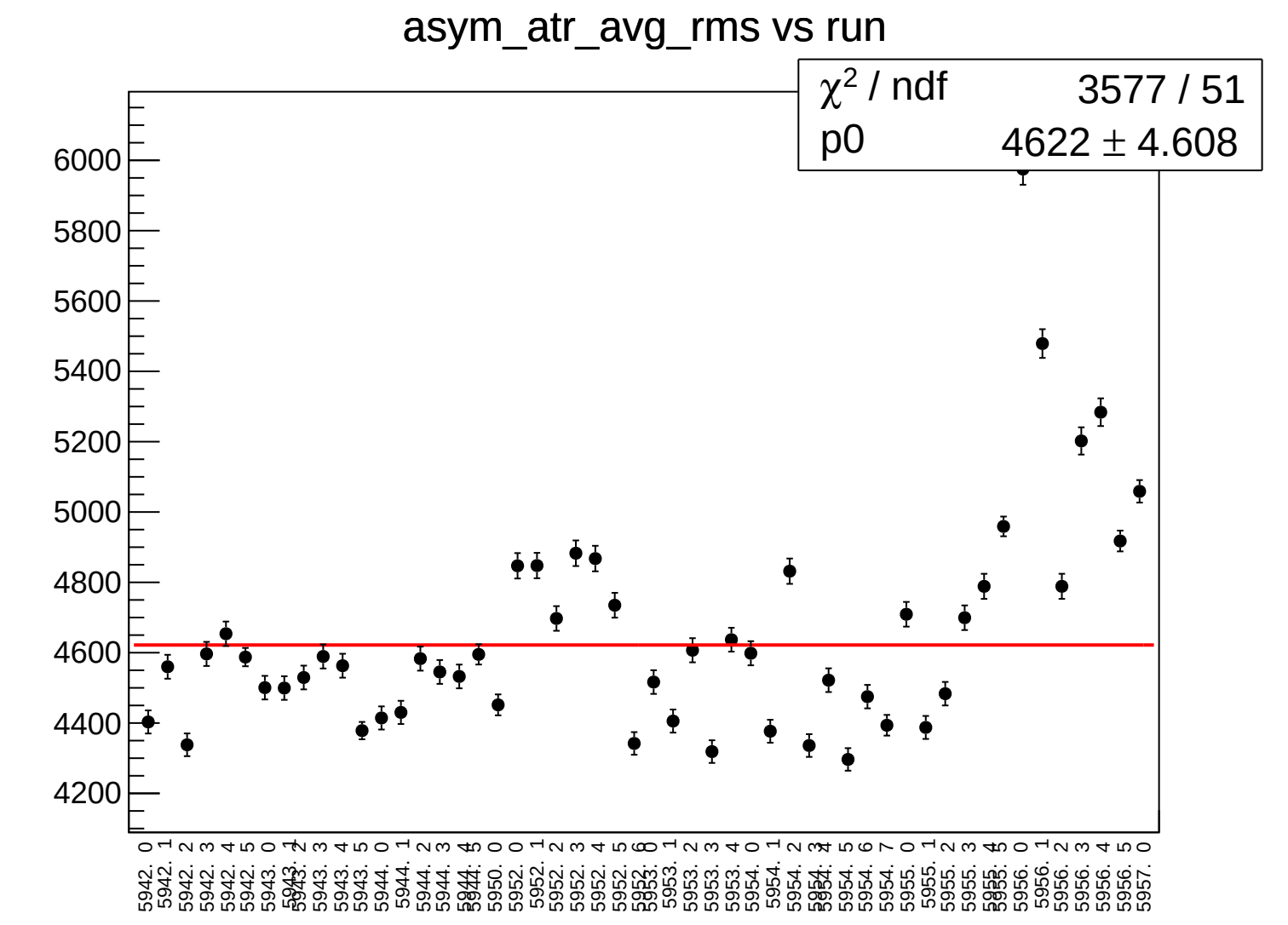

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 53.26 / 51
p0 6454 ± 5951
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 107
Std Dev 77.49
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

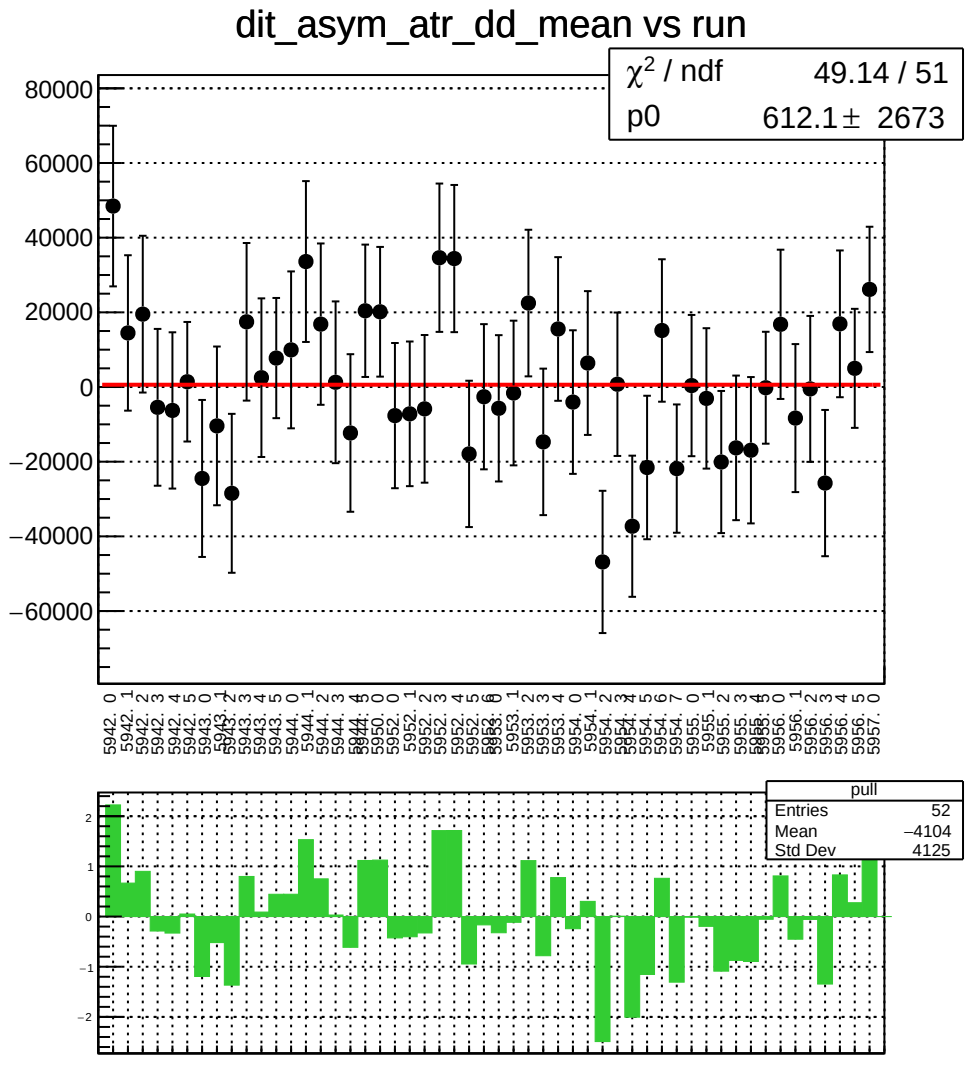

pull1D
Entries 52
Mean −0.01827
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

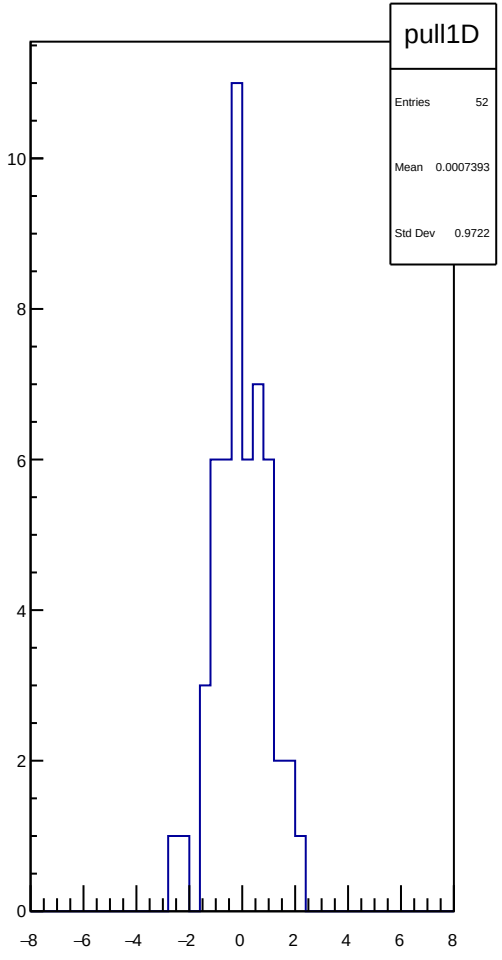

asym_atr_avg_correction_rms vs run
χ^2 / ndf 4883 / 51
p0 4218 ± 4.208
5400
5200
5000
4800
4600
4400
4200
4000
3800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

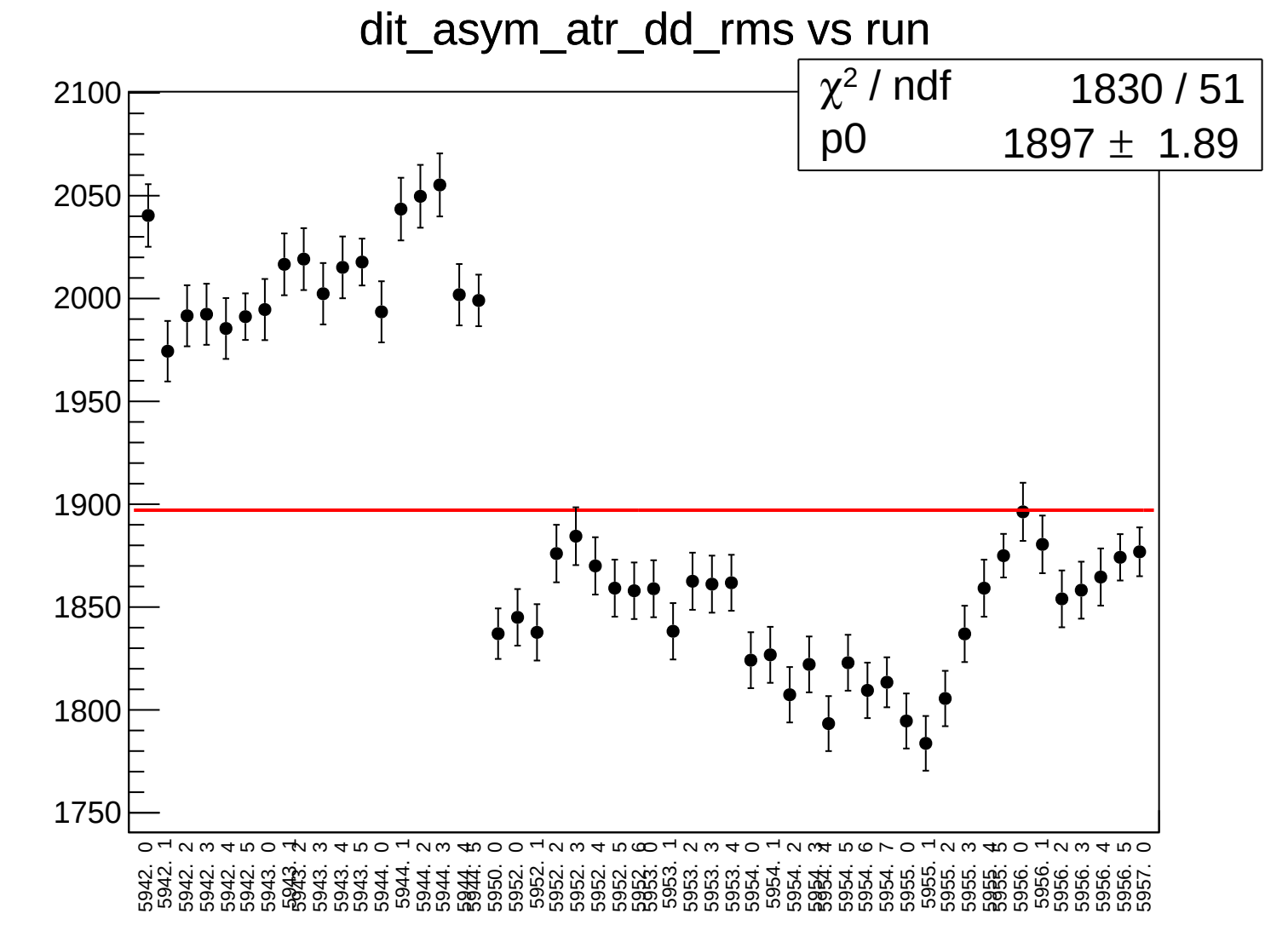

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 52.68 / 51
p0 −1786 ± 6517
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 261.1
Std Dev 234.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

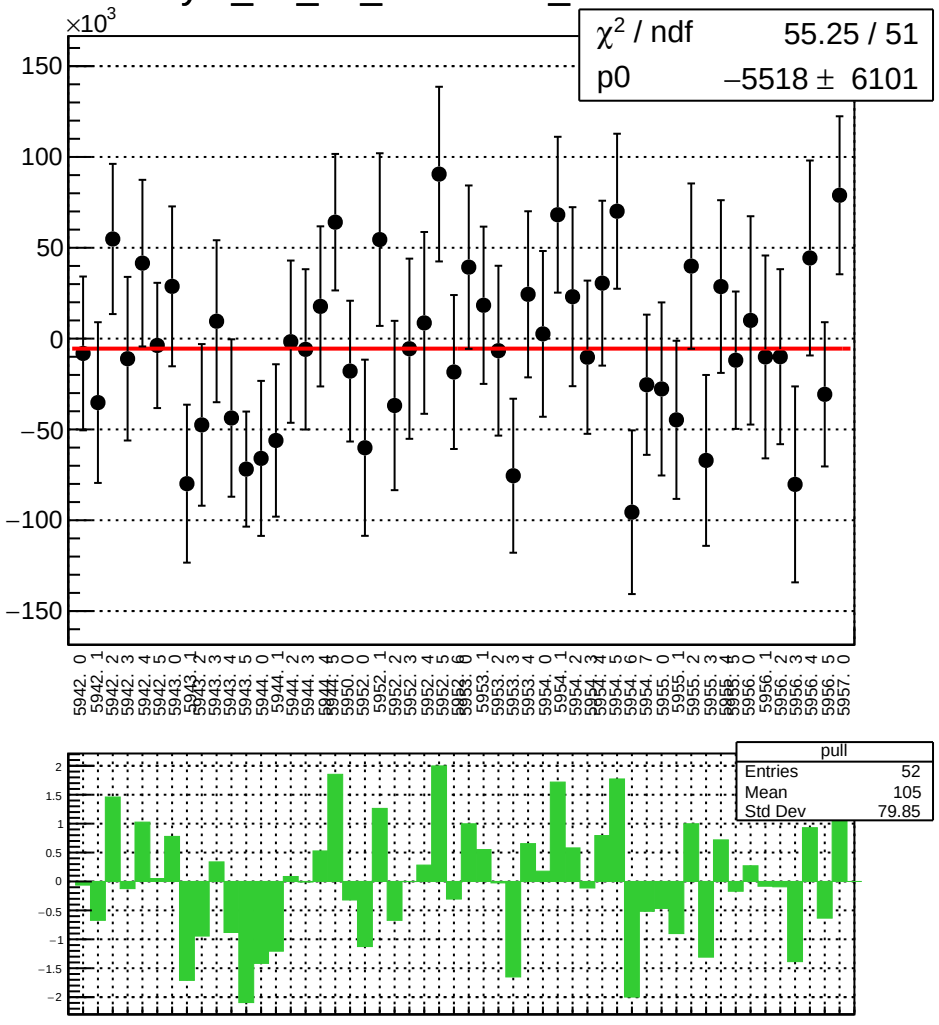

pull1D
Entries 52
Mean 0.009877
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

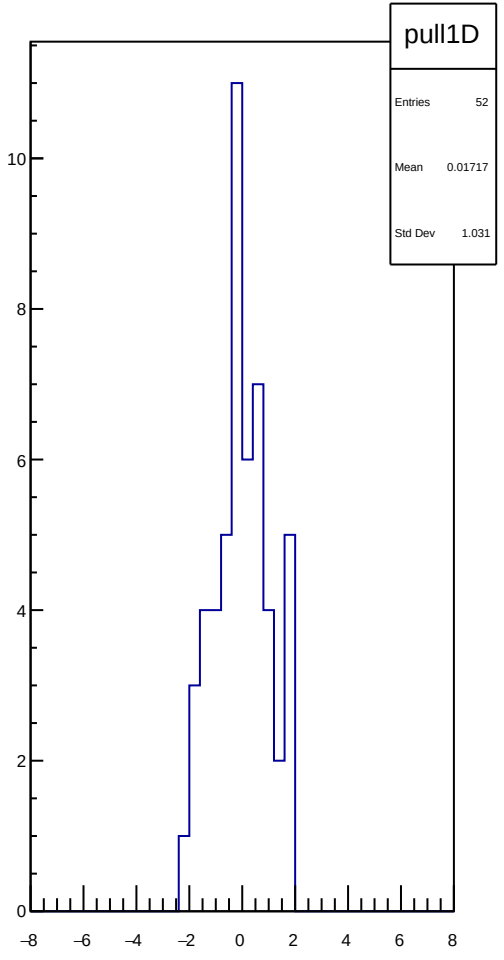

asym_atr_avg_rms vs run
χ² / ndf 3577 / 51
p0 4622 ± 4.608
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

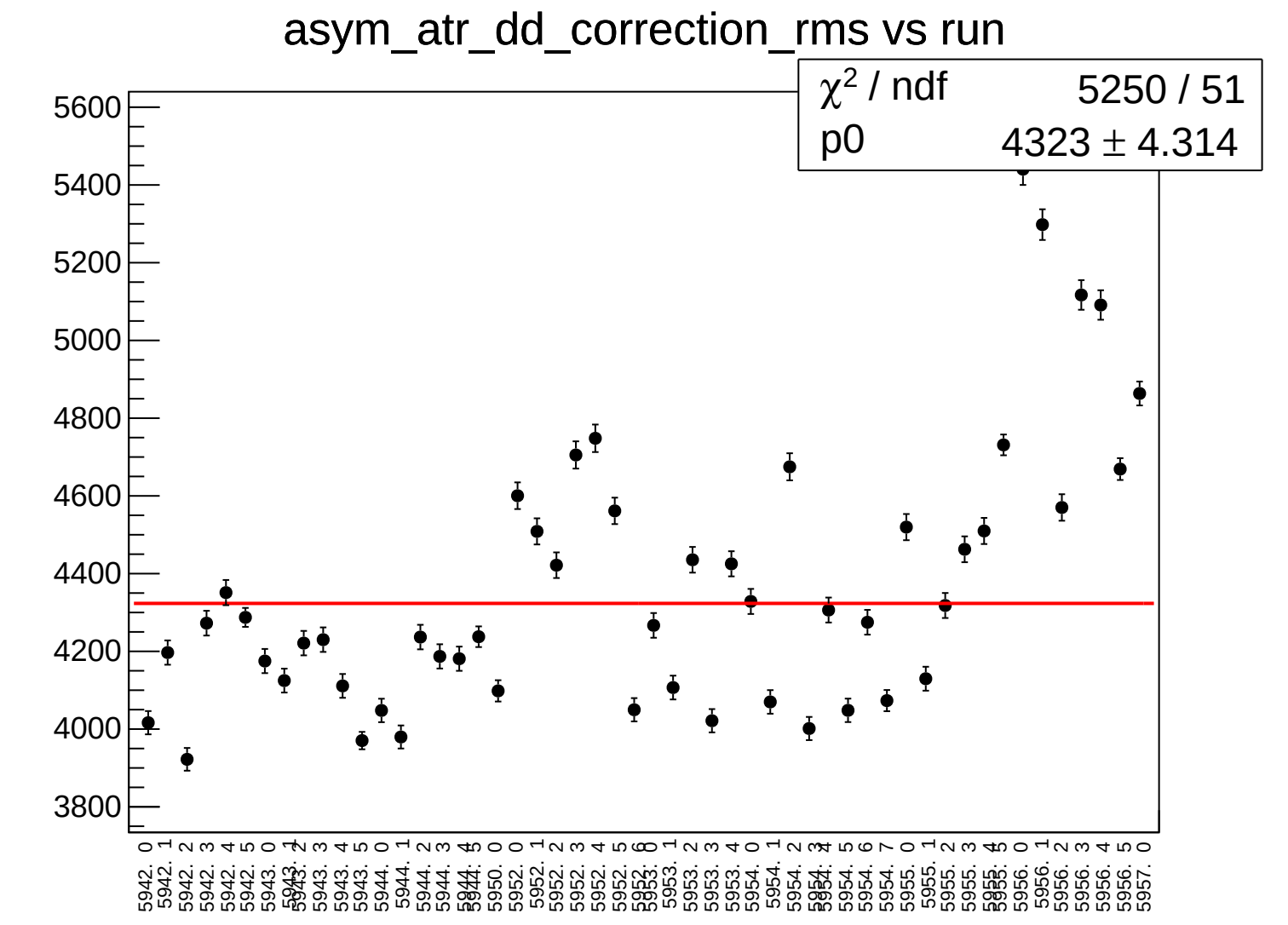

dit_asym_atr_dd_mean vs run
χ² / ndf 49.14 / 51
p0 612.1 ± 2673
pull
Entries 52
Mean −4104
Std Dev 4125

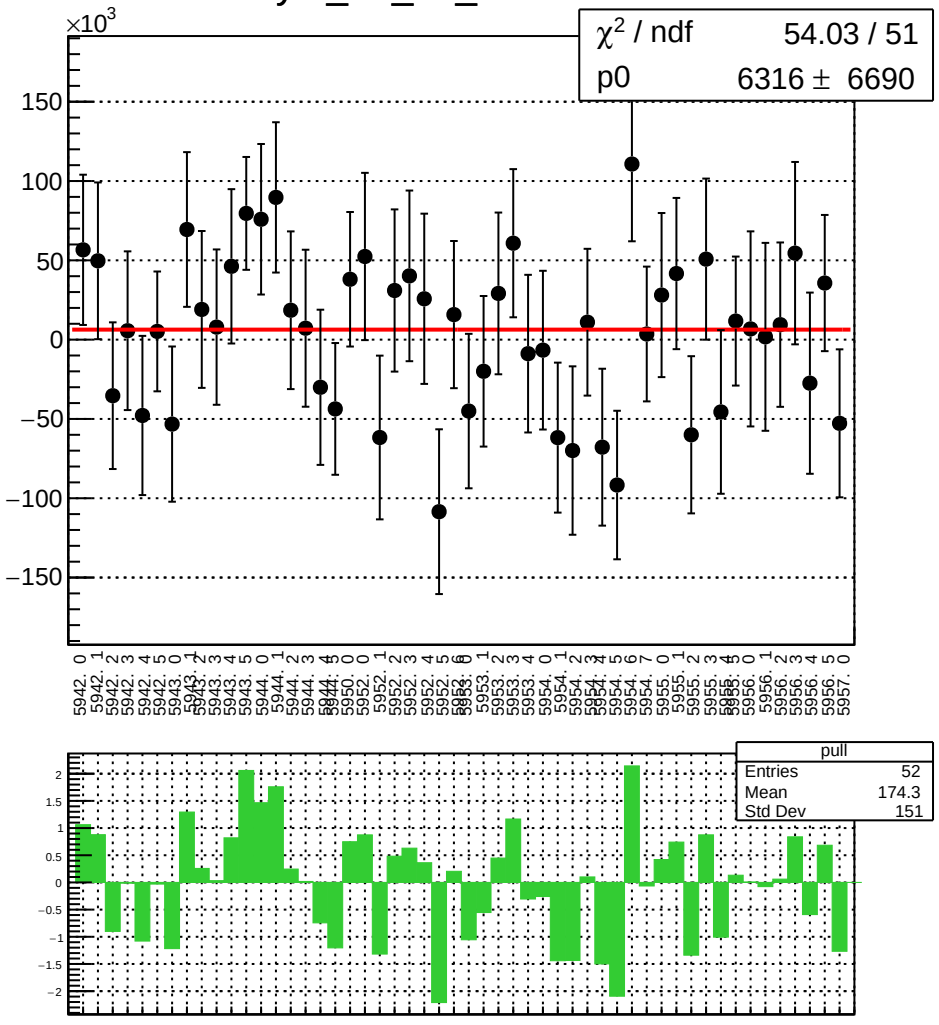

pull1D
Entries 52
Mean 0.0007393
Std Dev 0.9722

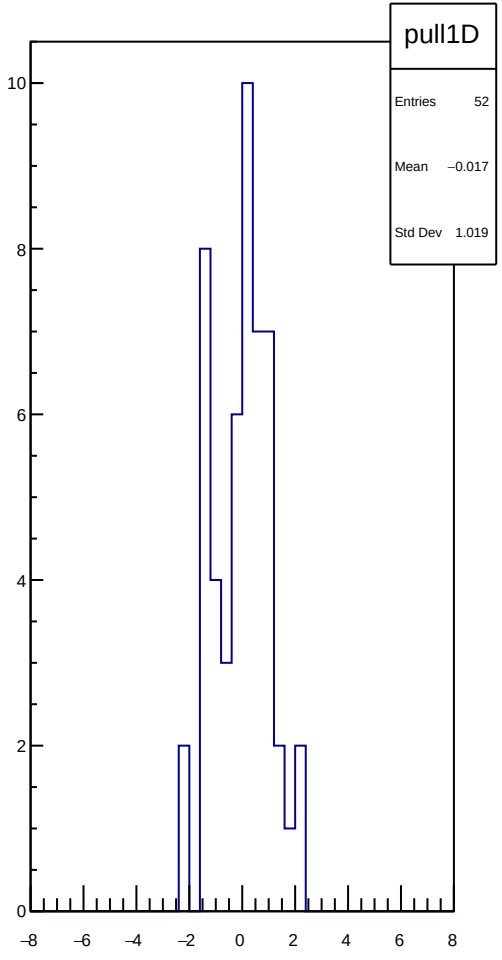

dit_asym_atr_dd_rms vs run
χ² / ndf 1830 / 51
p0 1897 ± 1.89
2100
2050
2000
1950
1900
1850
1800
1750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

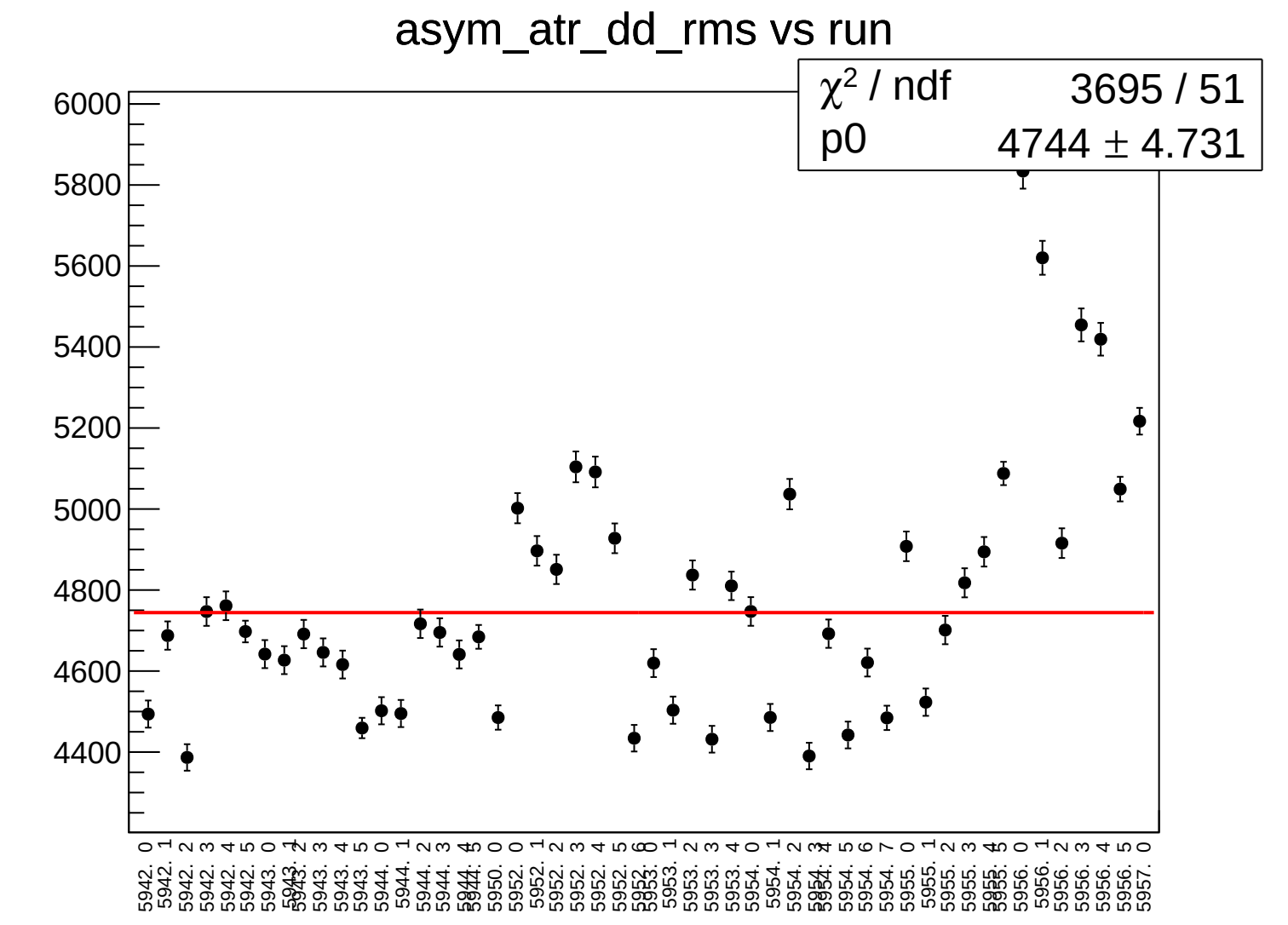

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 55.25 / 51
p0 −5518 ± 6101
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 105
Std Dev 79.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

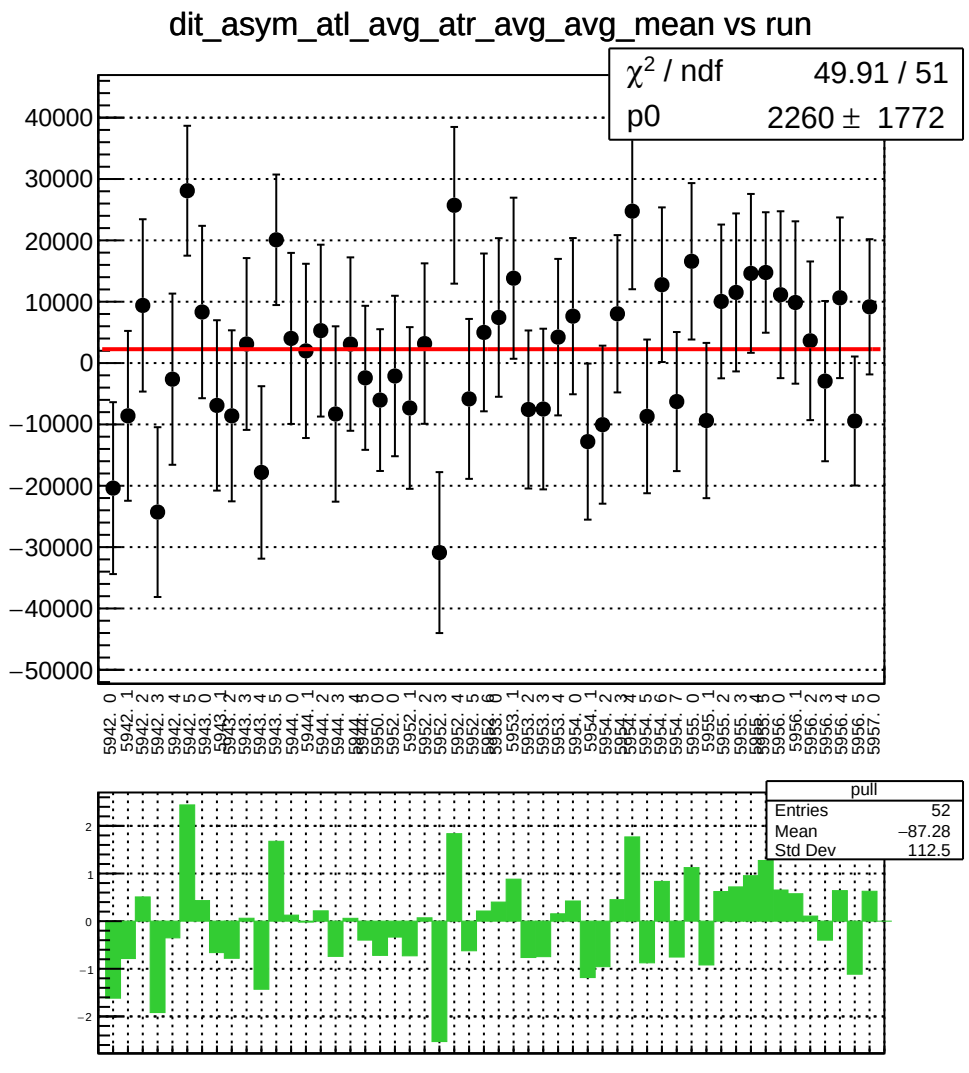

pull1D
Entries 52
Mean 0.01717
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

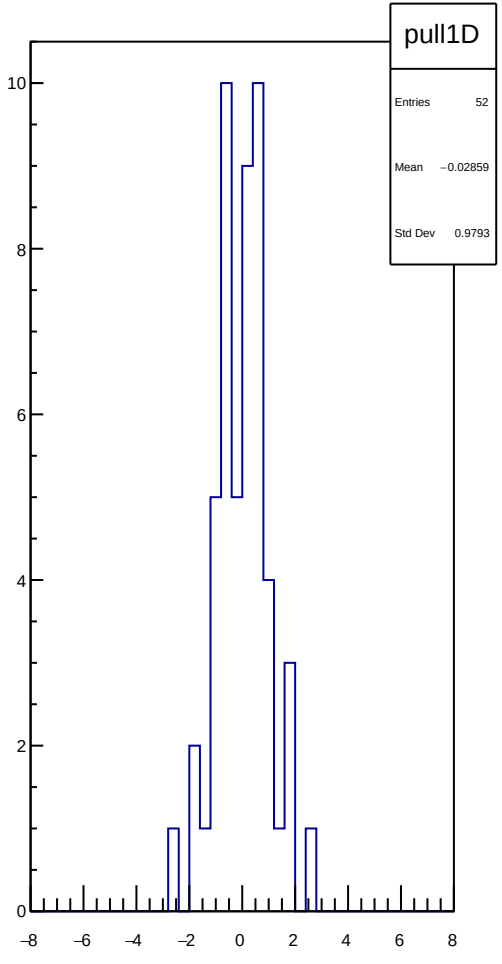

asym_atr_dd_correction_rms vs run
χ² / ndf 5250 / 51
p0 4323 ± 4.314
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

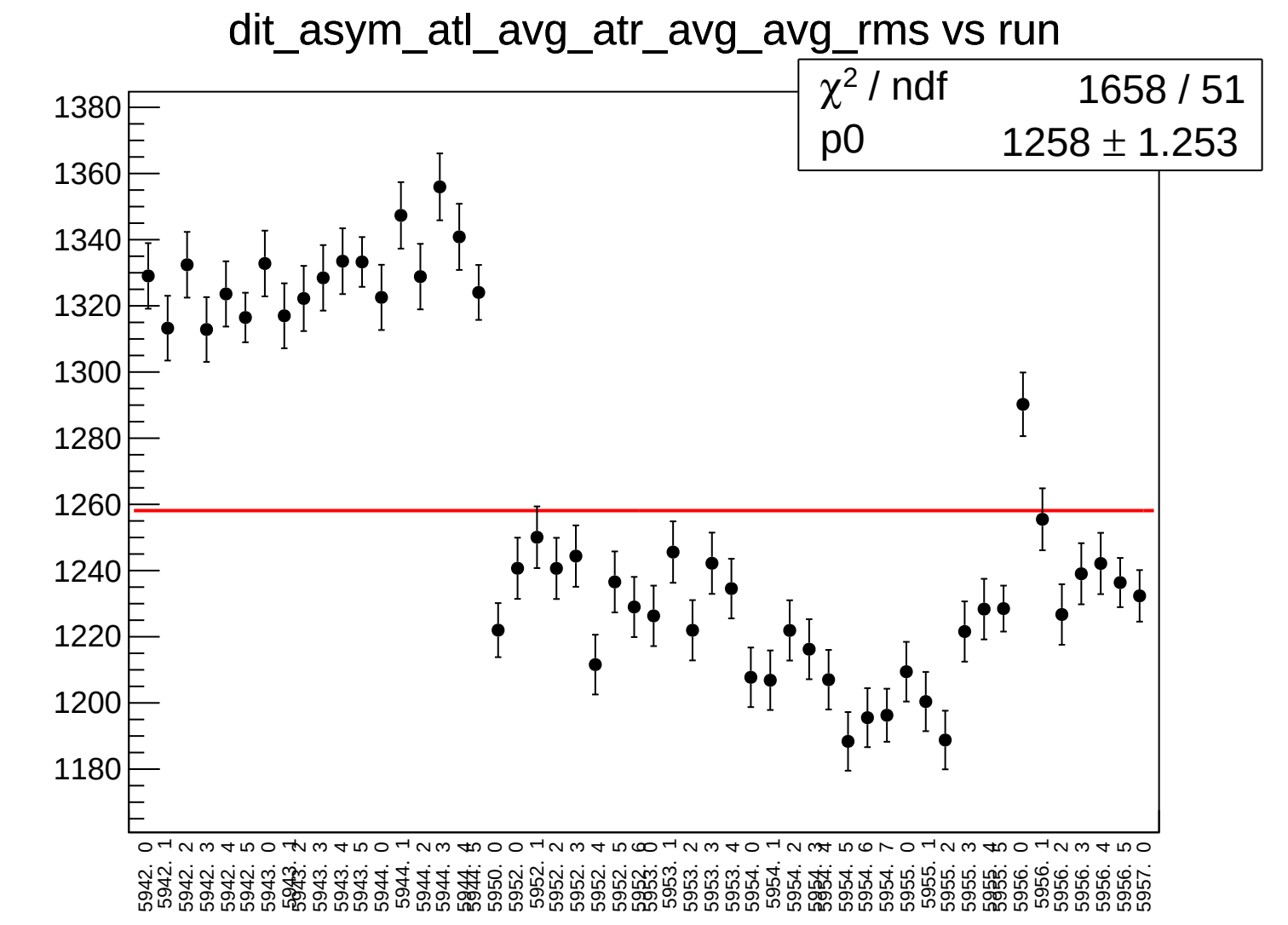

asym_atr_dd_mean vs run
×10^3
χ² / ndf 54.03 / 51
p0 6316 ± 6690
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 174.3
Std Dev 151
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

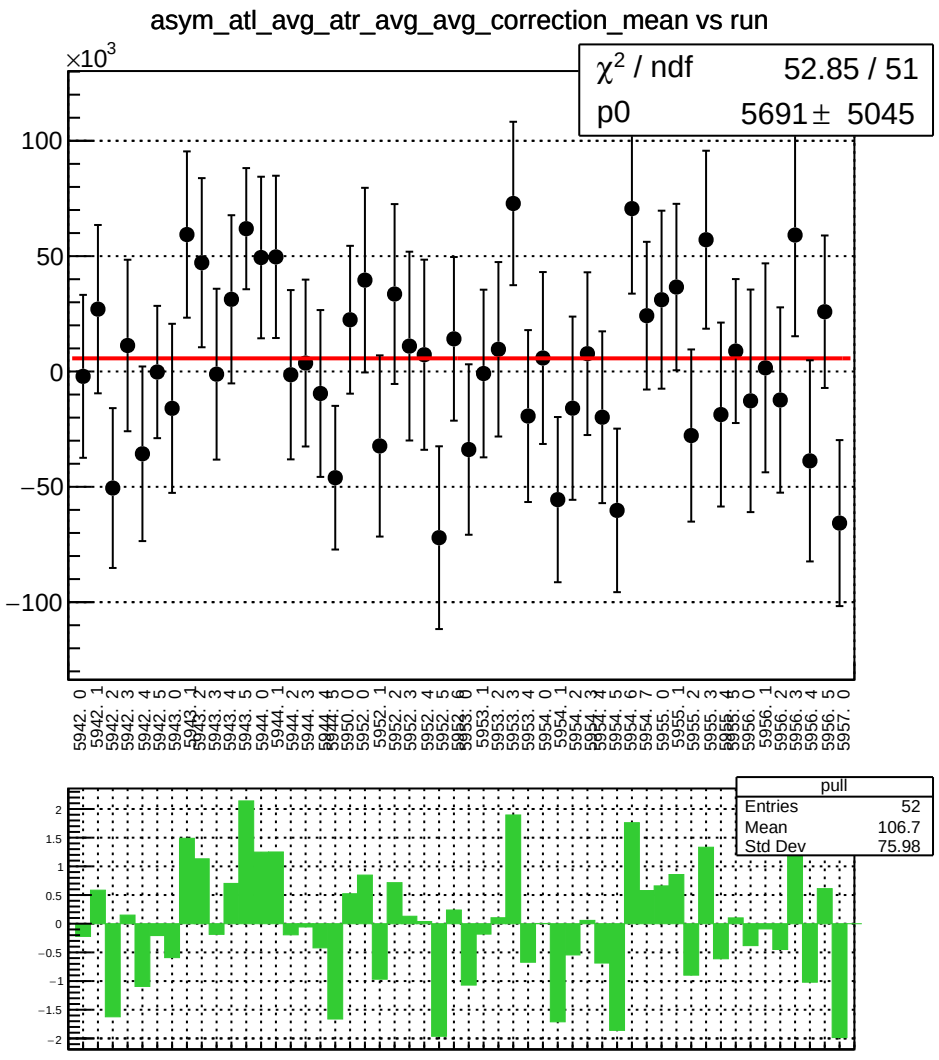

pull1D
Entries 52
Mean −0.017
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

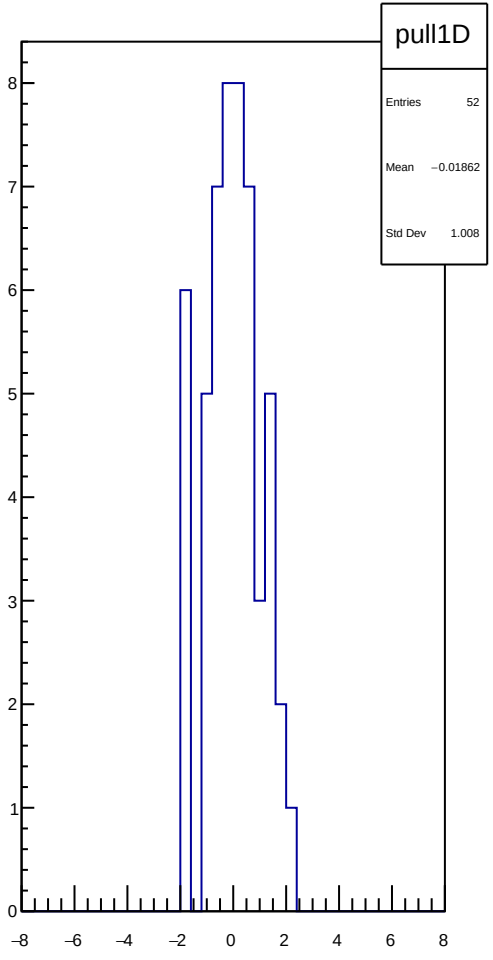

asym_atr_dd_rms vs run
χ² / ndf 3695 / 51
p0 4744 ± 4.731
6000
5800
5600
5400
5200
5000
4800
4600
4400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

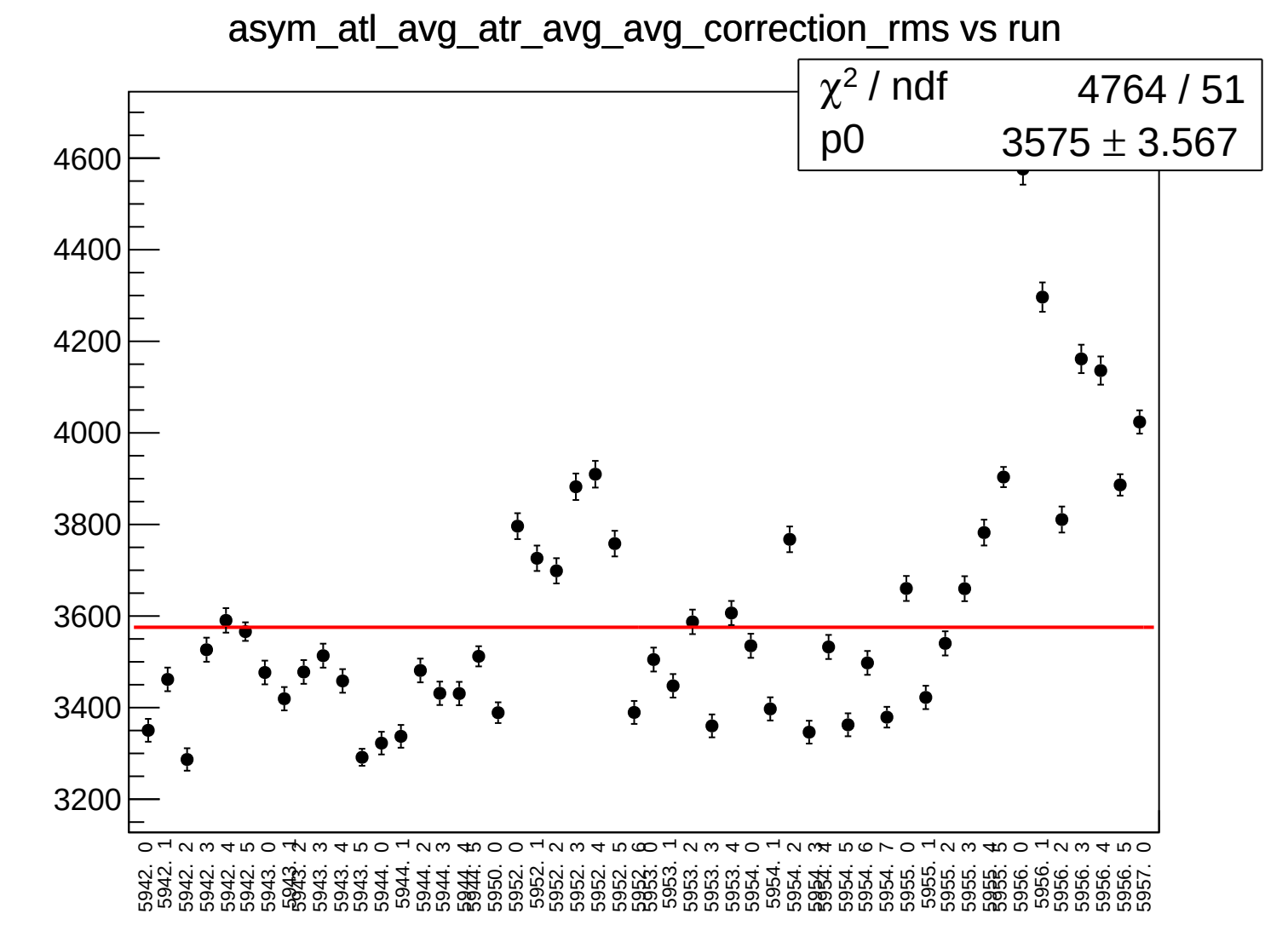

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 49.91 / 51
p0 2260 ± 1772
pull
Entries 52
Mean −87.28
Std Dev 112.5

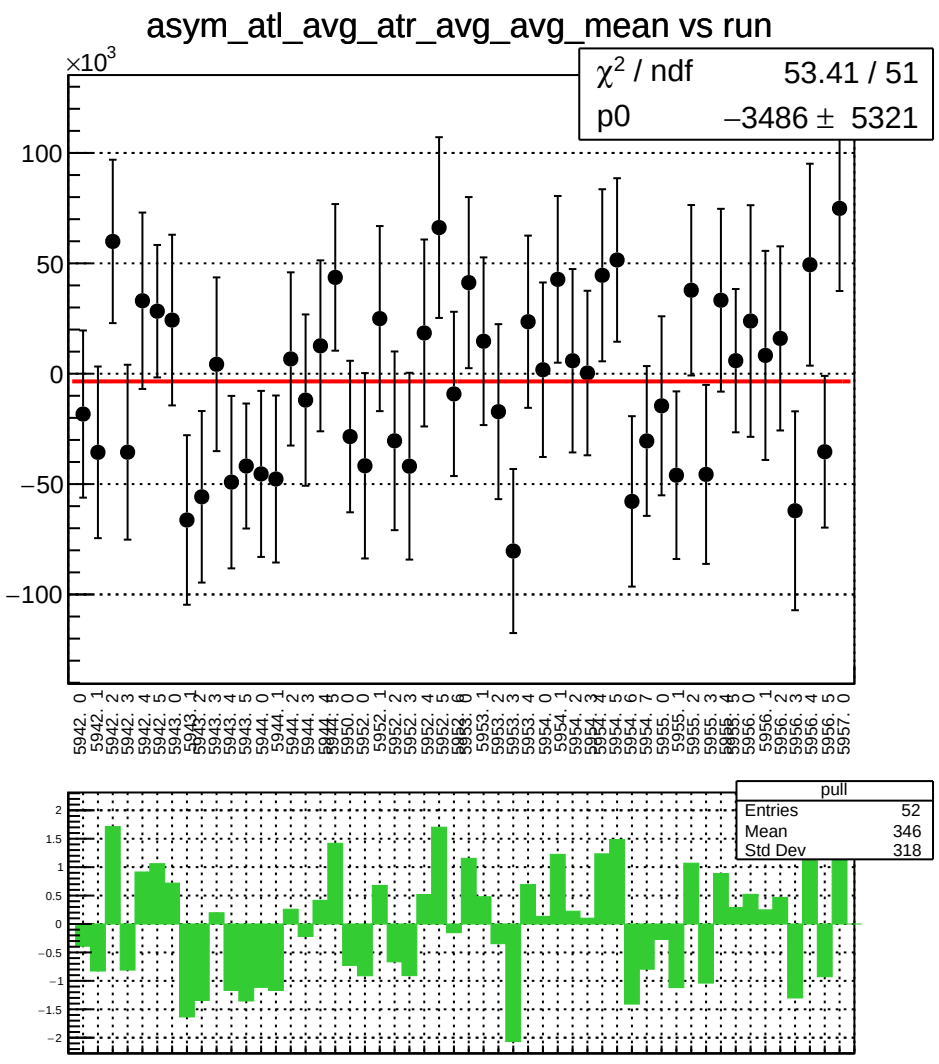

pull1D
Entries 52
Mean −0.02859
Std Dev 0.9793

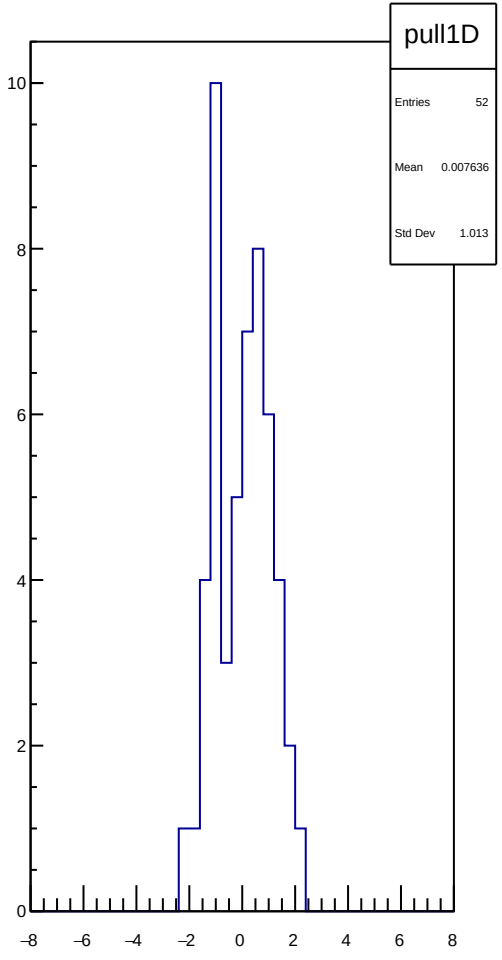

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1658 / 51
p0 1258 ± 1.253
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

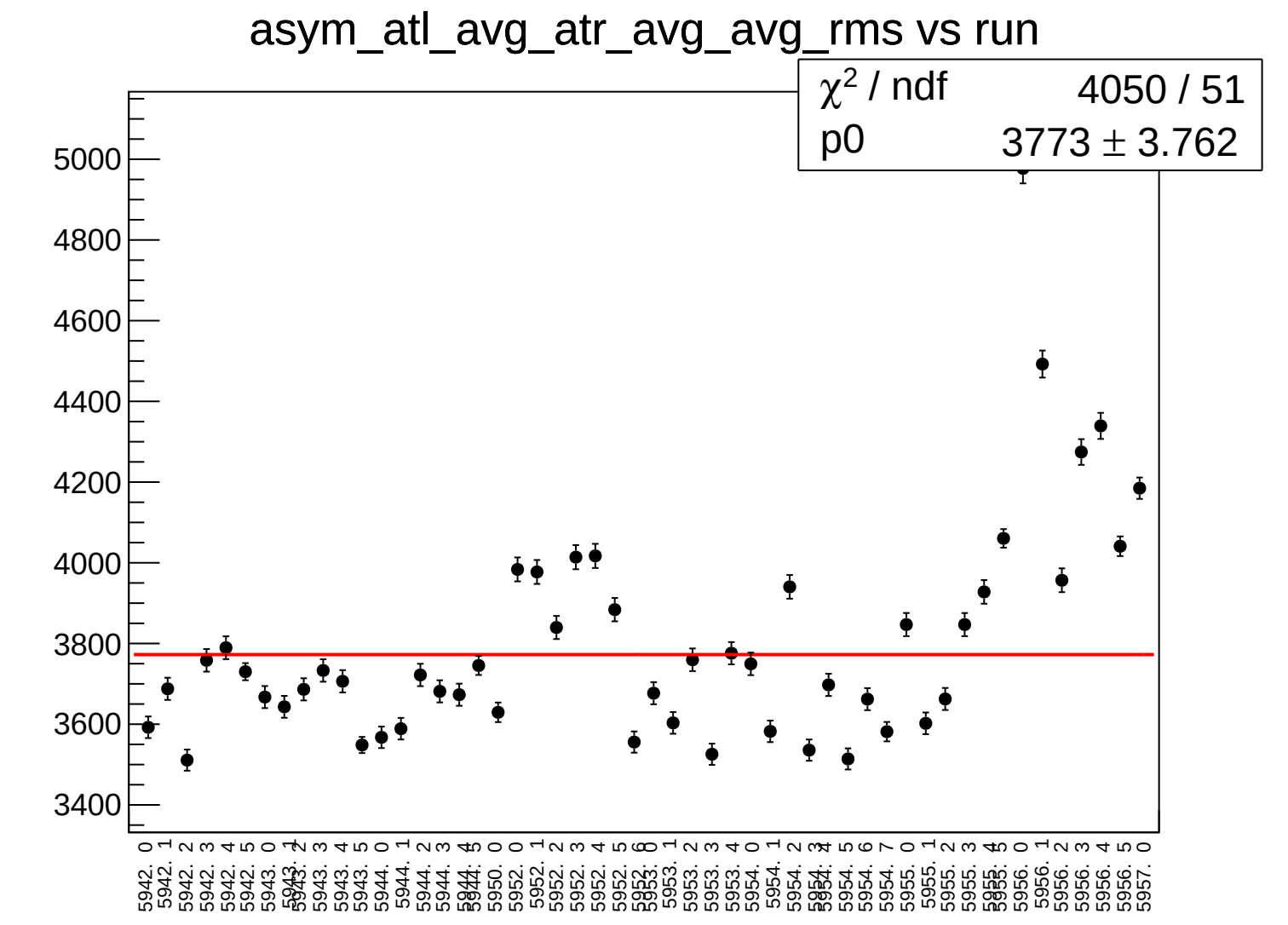

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 52.85 / 51
p0 5691 ± 5045
pull
Entries 52
Mean 106.7
Std Dev 75.98

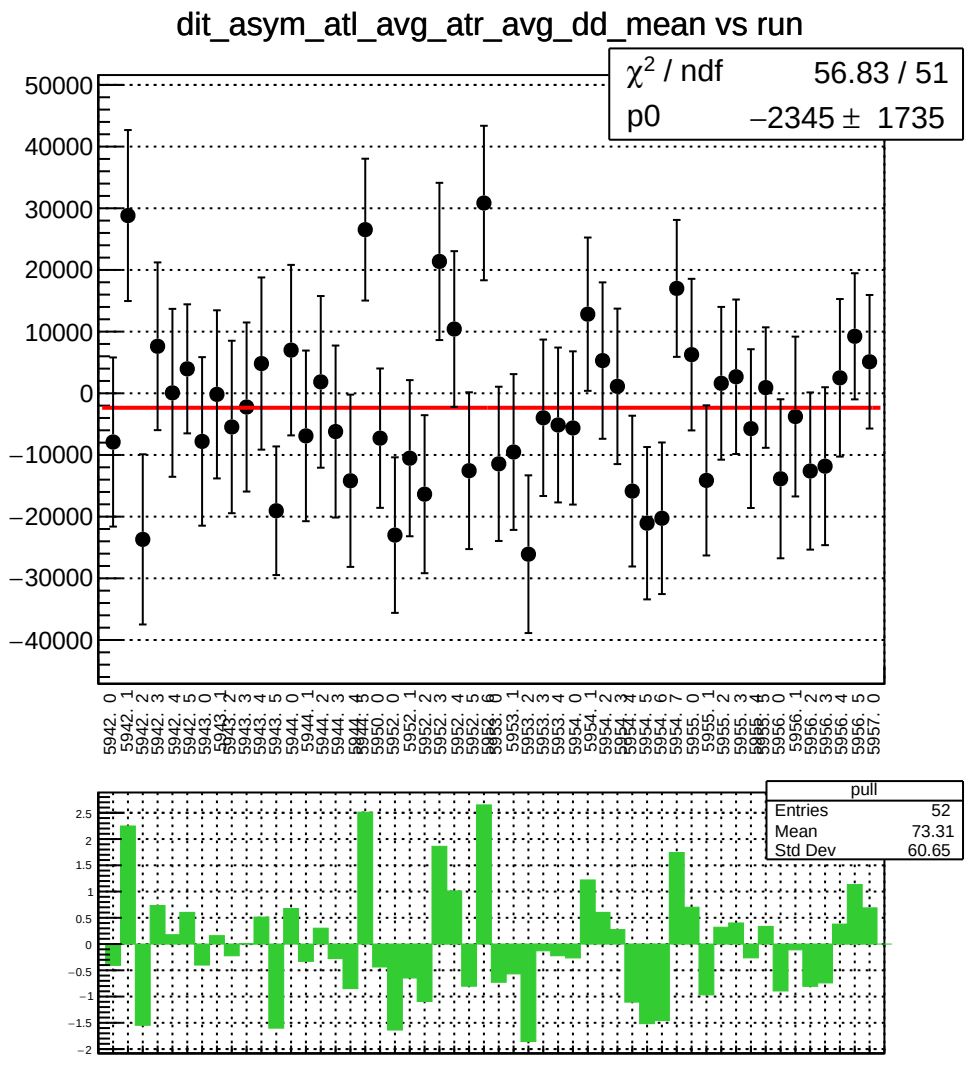

pull1D
Entries 52
Mean −0.01862
Std Dev 1.008

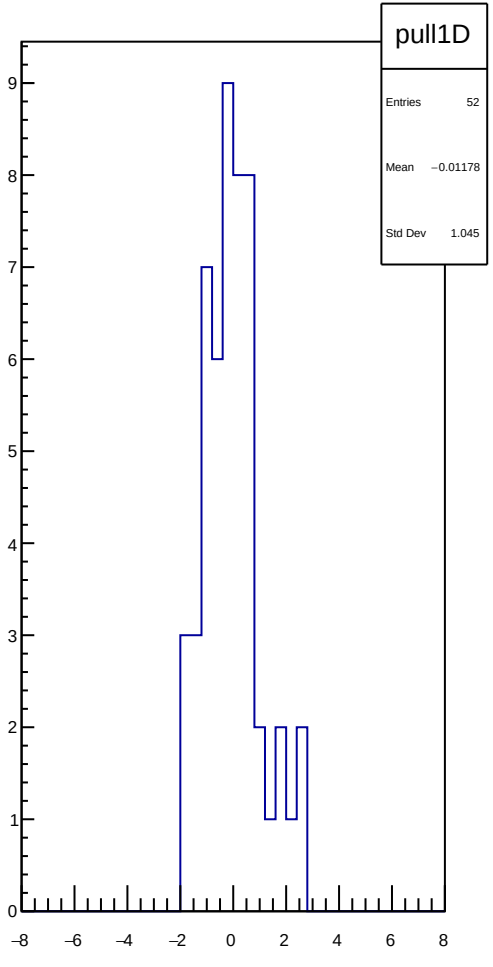

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 4764 / 51
p0 3575 ± 3.567
4600
4400
4200
4000
3800
3600
3400
3200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

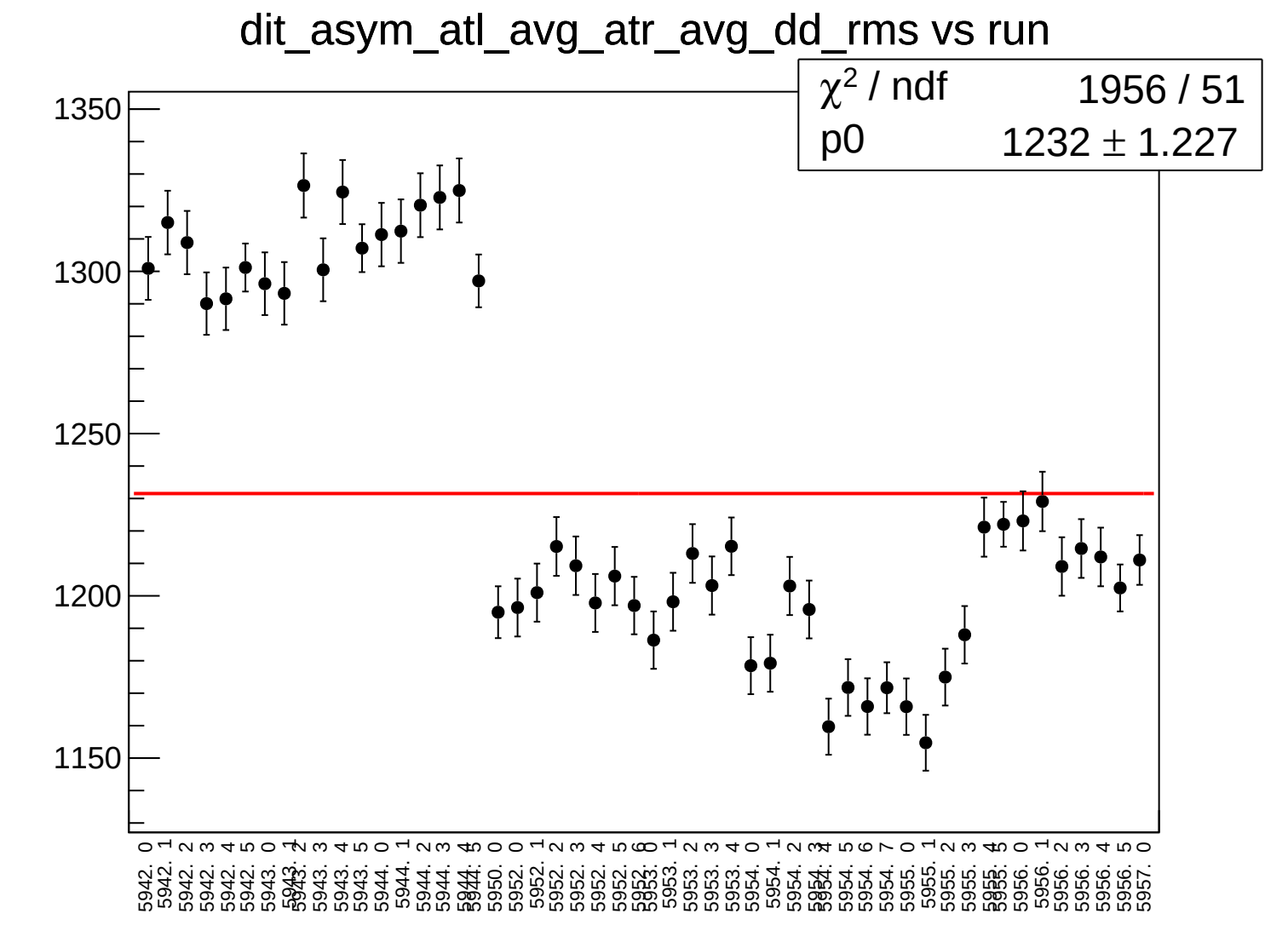

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 53.41 / 51
p0 −3486 ± 5321
100
50
0
−50
−100
pull
Entries 52
Mean 346
Std Dev 318
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

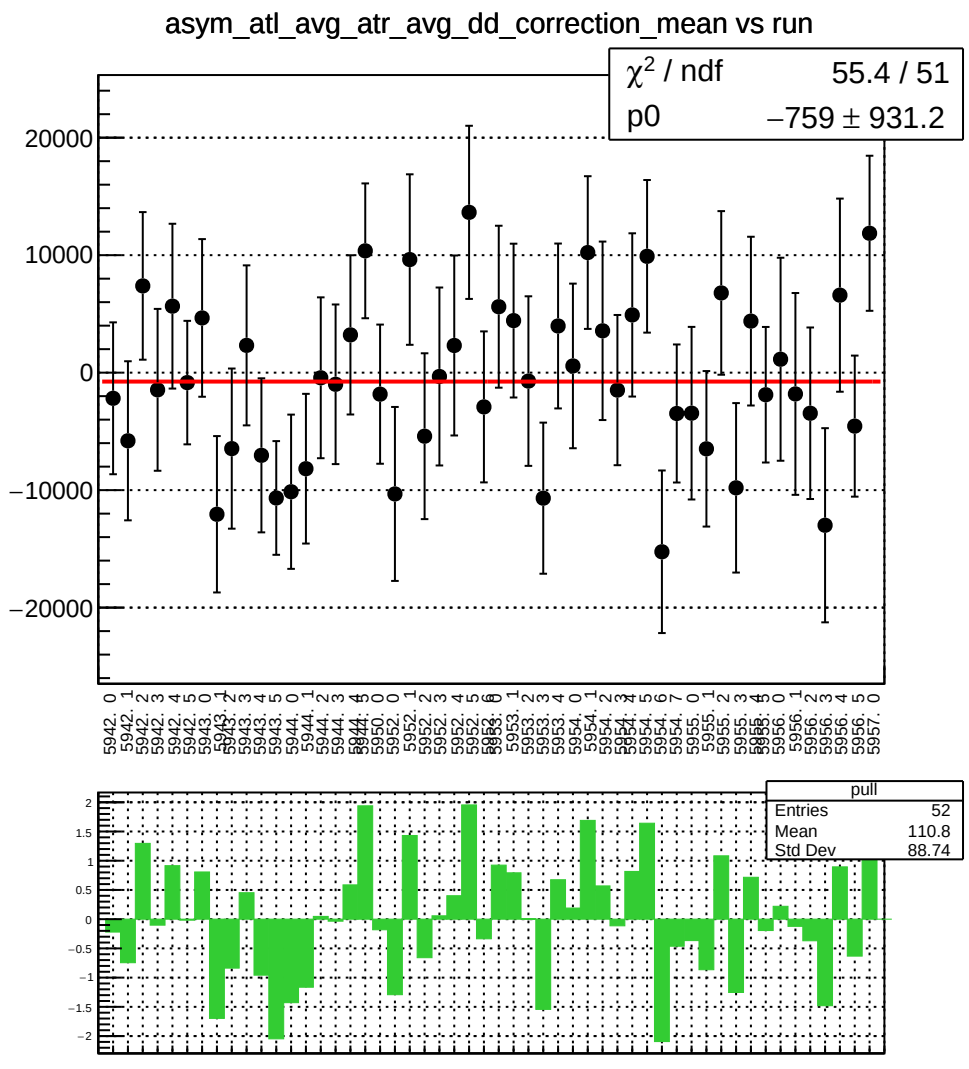

pull1D
Entries 52
Mean 0.007636
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

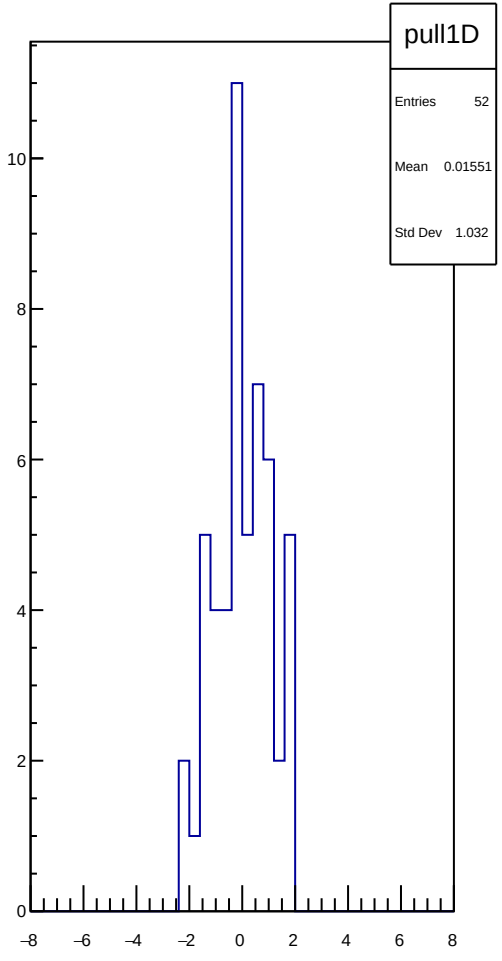

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4050 / 51
p0 3773 ± 3.762
5000
4800
4600
4400
4200
4000
3800
3600
3400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

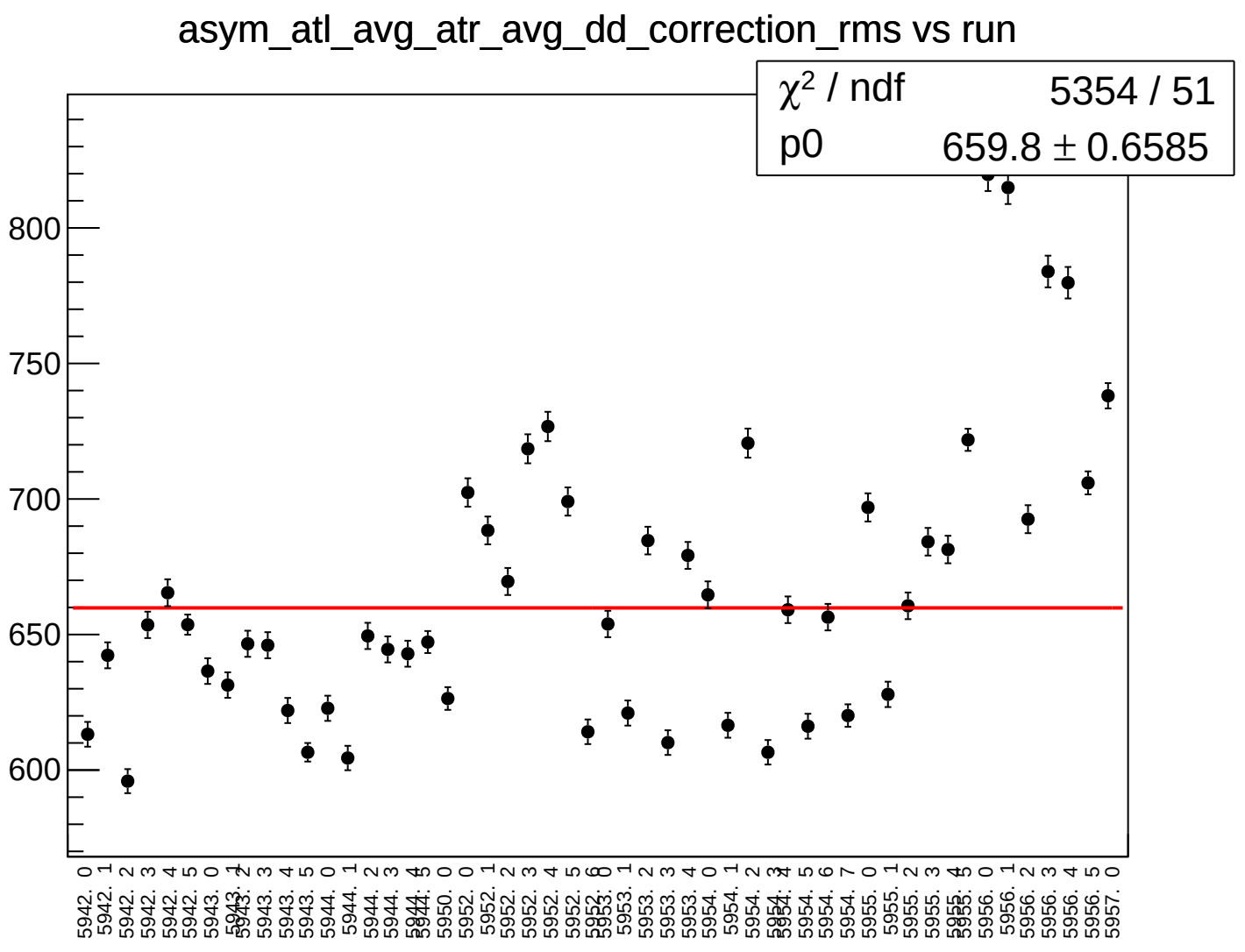

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 56.83 / 51
p0 −2345 ± 1735
pull
Entries 52
Mean 73.31
Std Dev 60.65

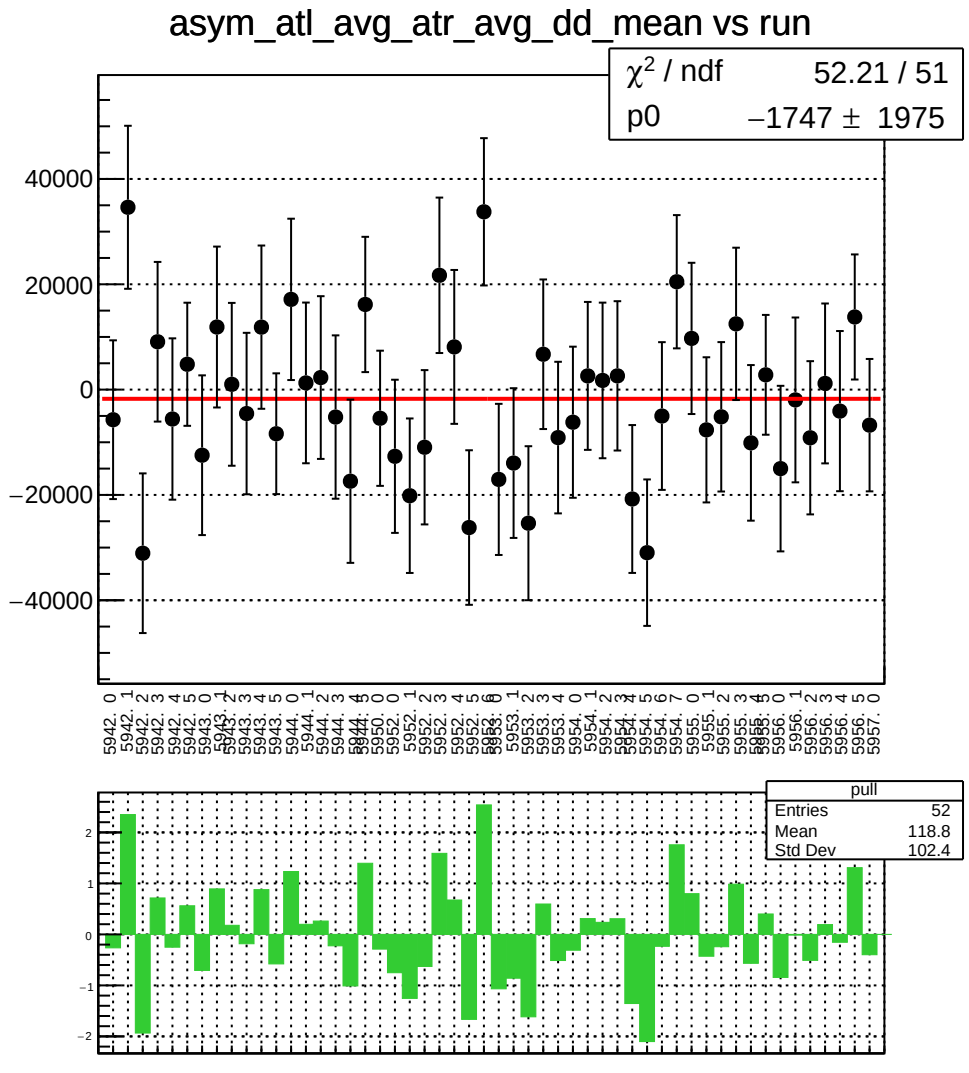

pull1D
Entries 52
Mean −0.01178
Std Dev 1.045

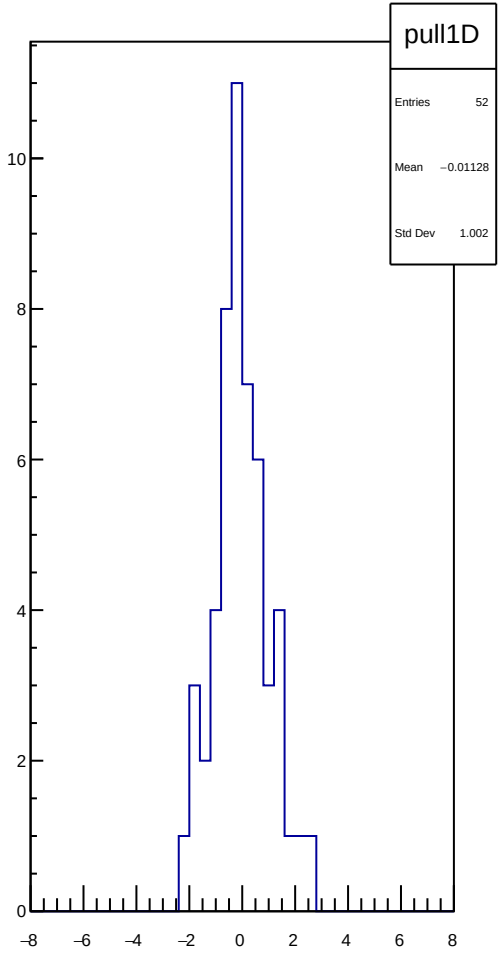

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1956 / 51
p0 1232 ± 1.227
1350
1300
1250
1200
1150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

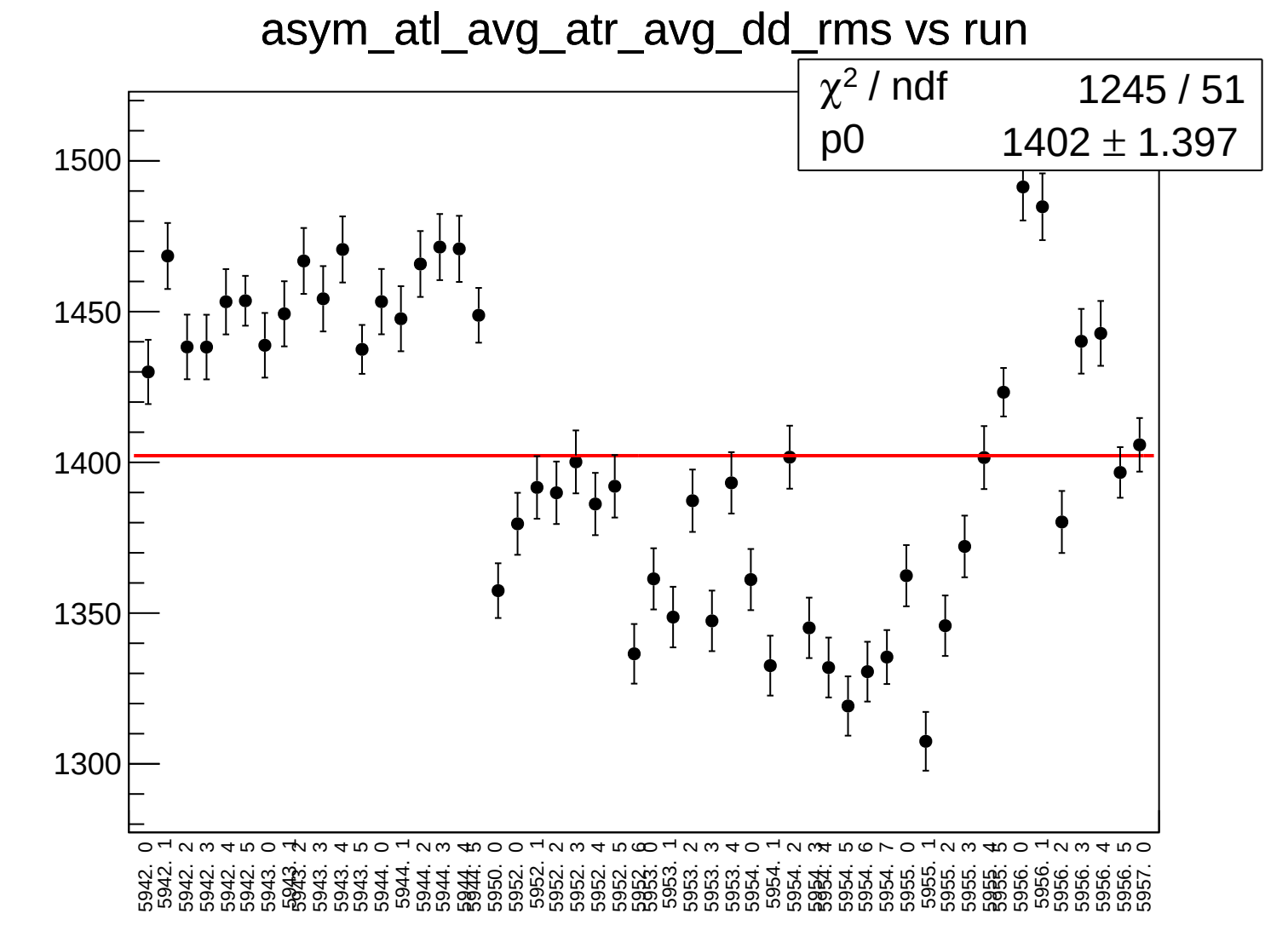

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 55.4 / 51
p0 −759 ± 931.2
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 110.8
Std Dev 88.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

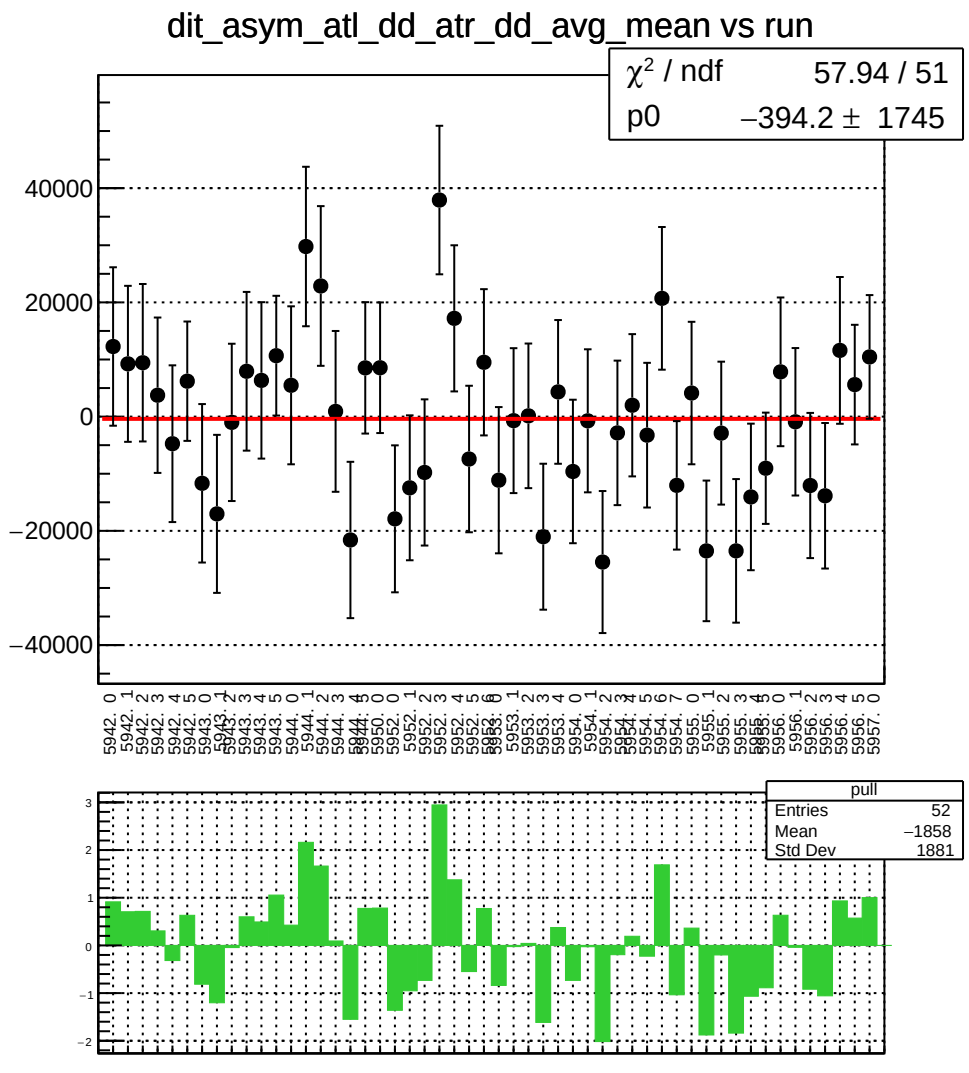

pull1D
Entries 52
Mean 0.01551
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

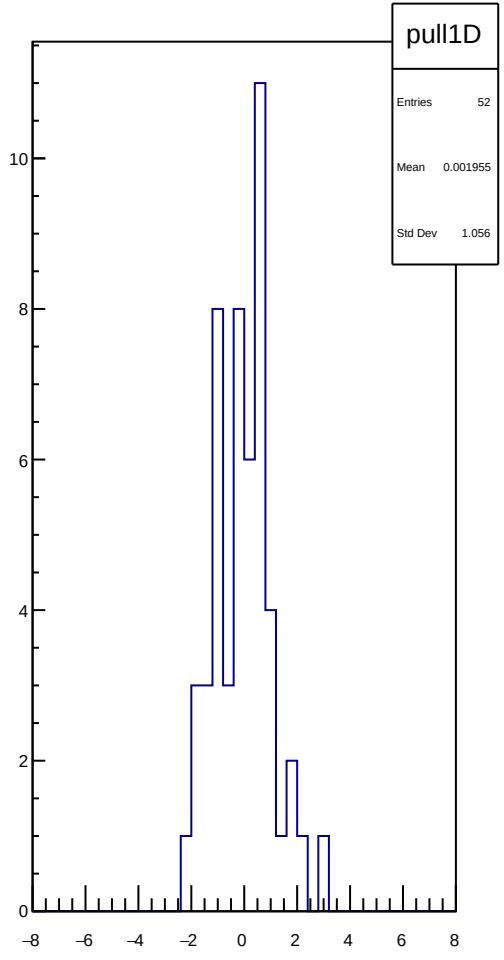

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 5354 / 51
p0 659.8 ± 0.6585
800
750
700
650
600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

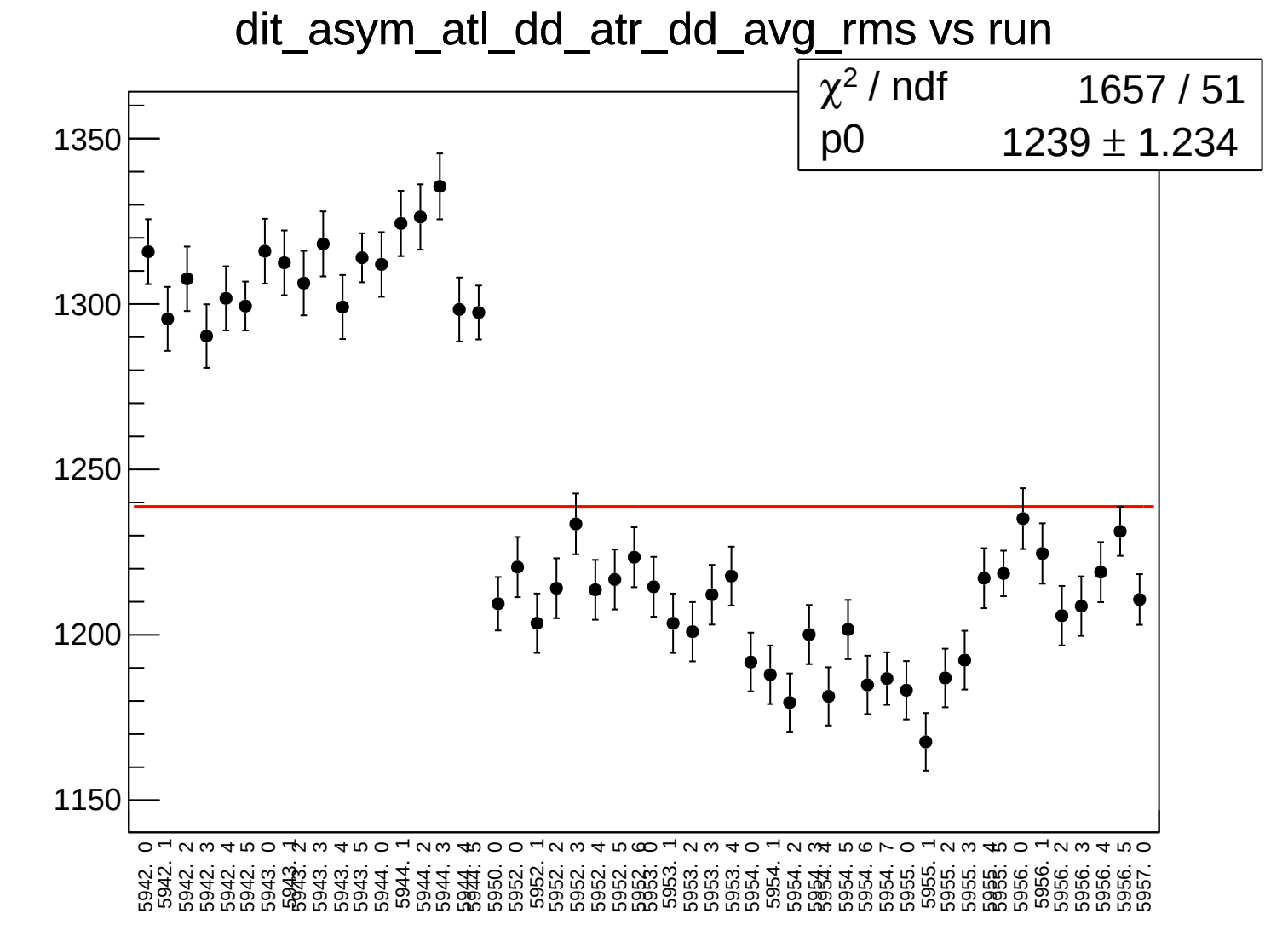

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 52.21 / 51
p0 −1747 ± 1975
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 118.8
Std Dev 102.4
2
1
0
−1
−2

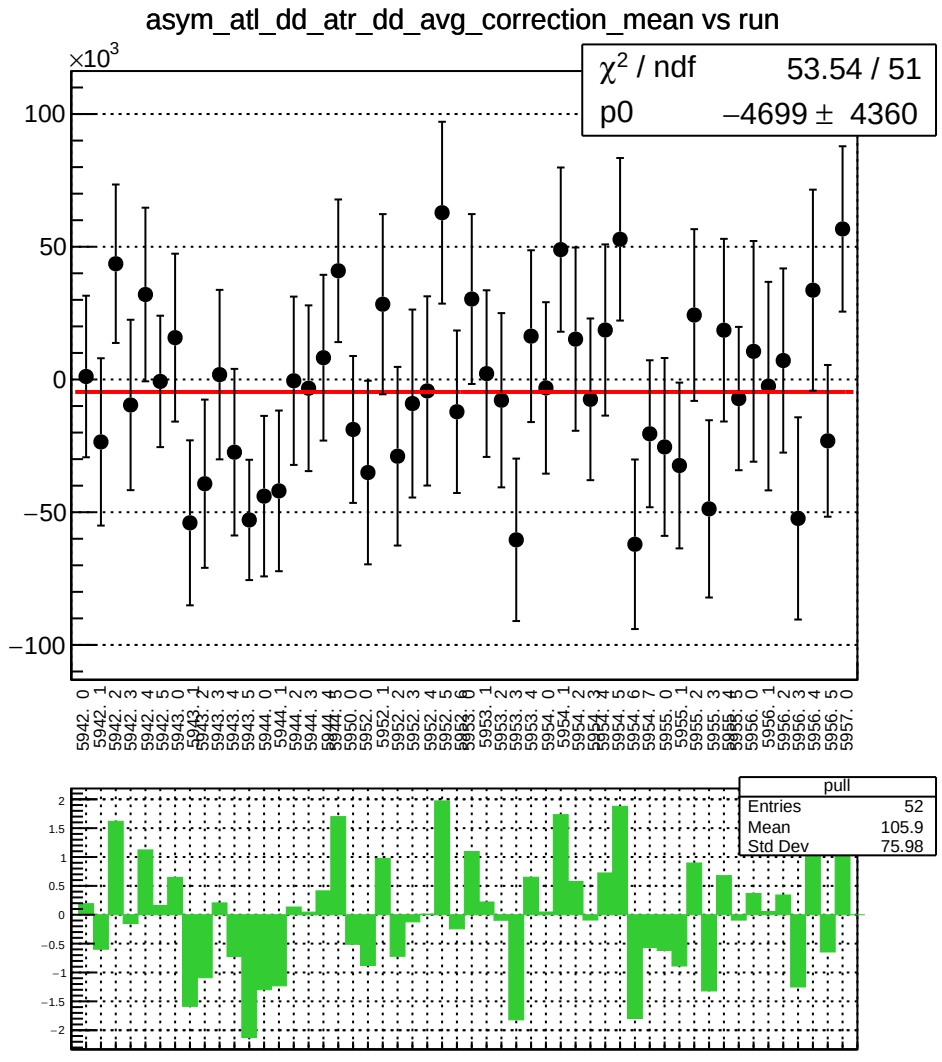

pull1D
Entries 52
Mean −0.01128
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

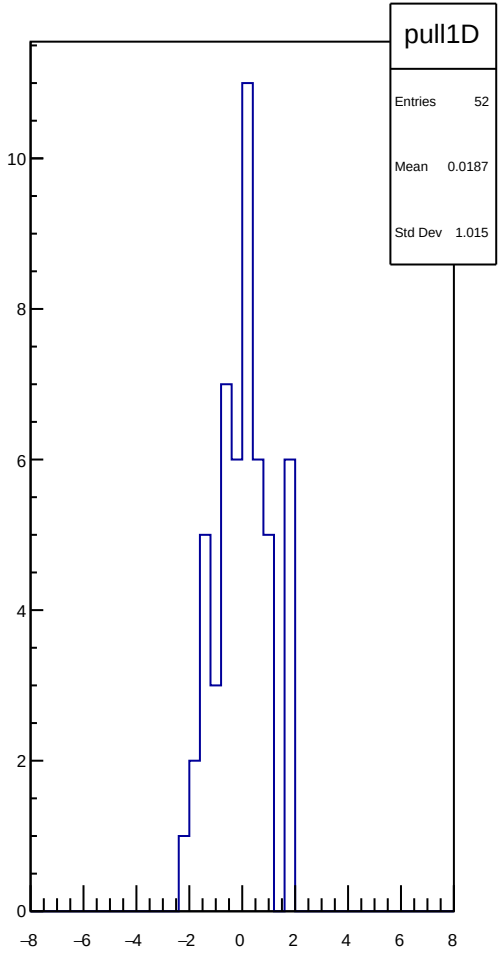

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1245 / 51
p0 1402 ± 1.397
1500
1450
1400
1350
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

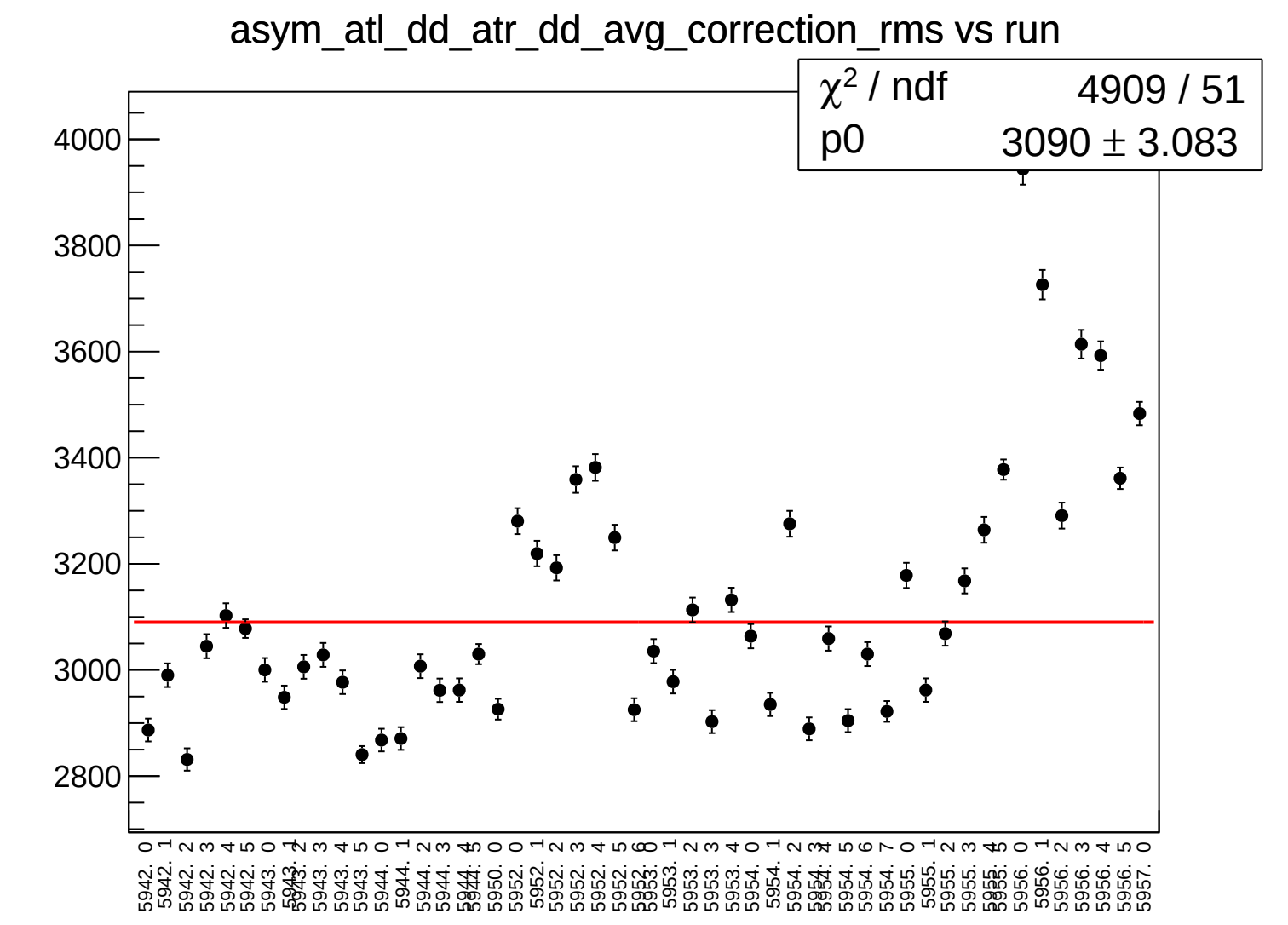

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 57.94 / 51
p0 −394.2 ± 1745
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −1858
Std Dev 1881
3
2
1
0
−1
−2

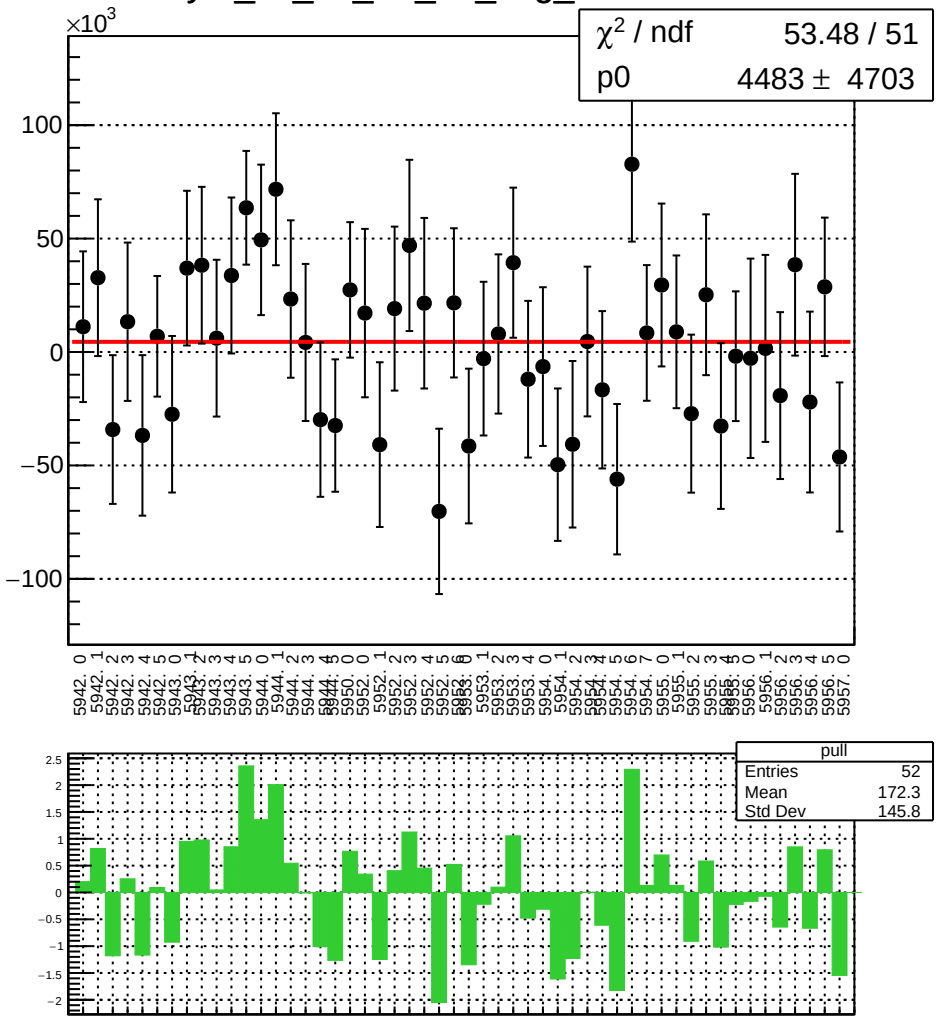

pull1D
Entries 52
Mean 0.001955
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

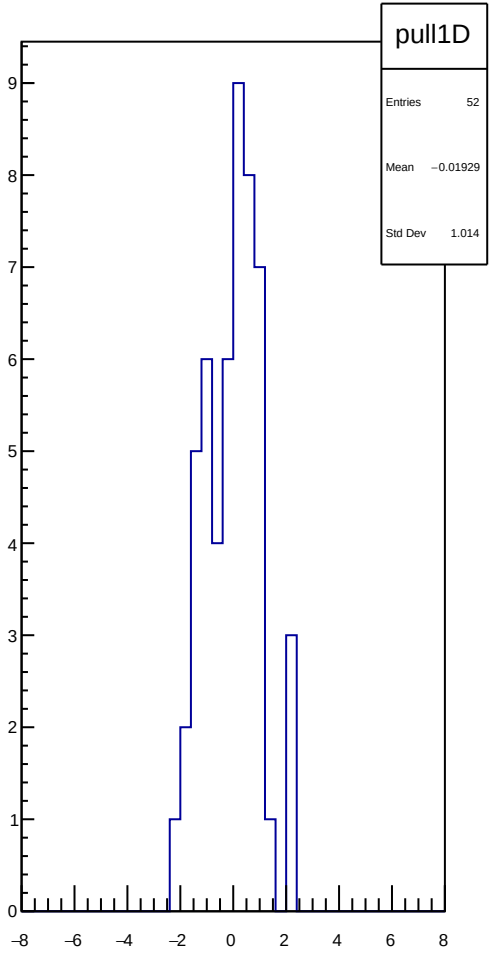

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1657 / 51
p0 1239 ± 1.234
1350
1300
1250
1200
1150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

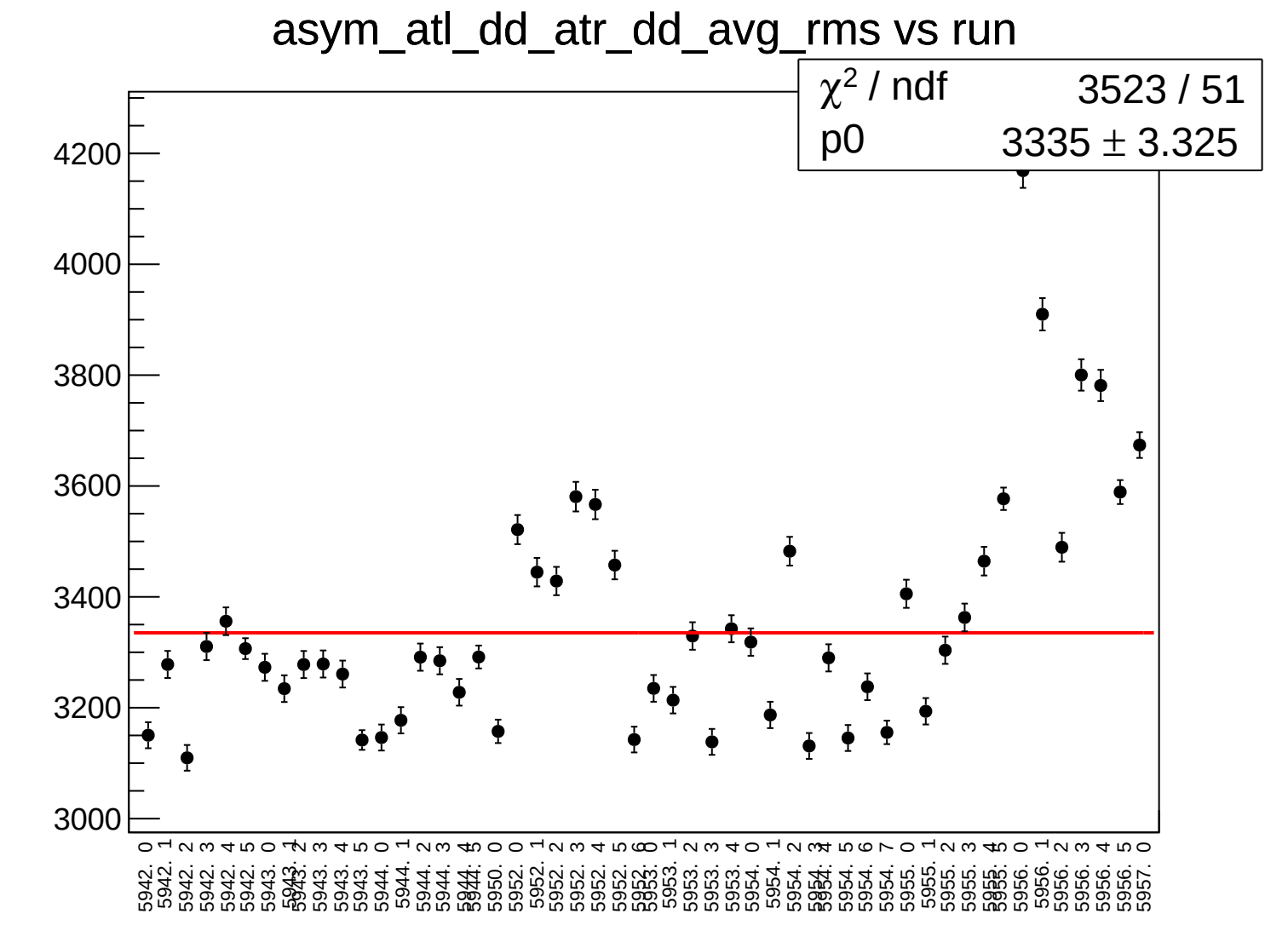

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 53.54 / 51
p0 −4699 ± 4360
100
50
0
−50
−100
pull
Entries 52
Mean 105.9
Std Dev 75.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

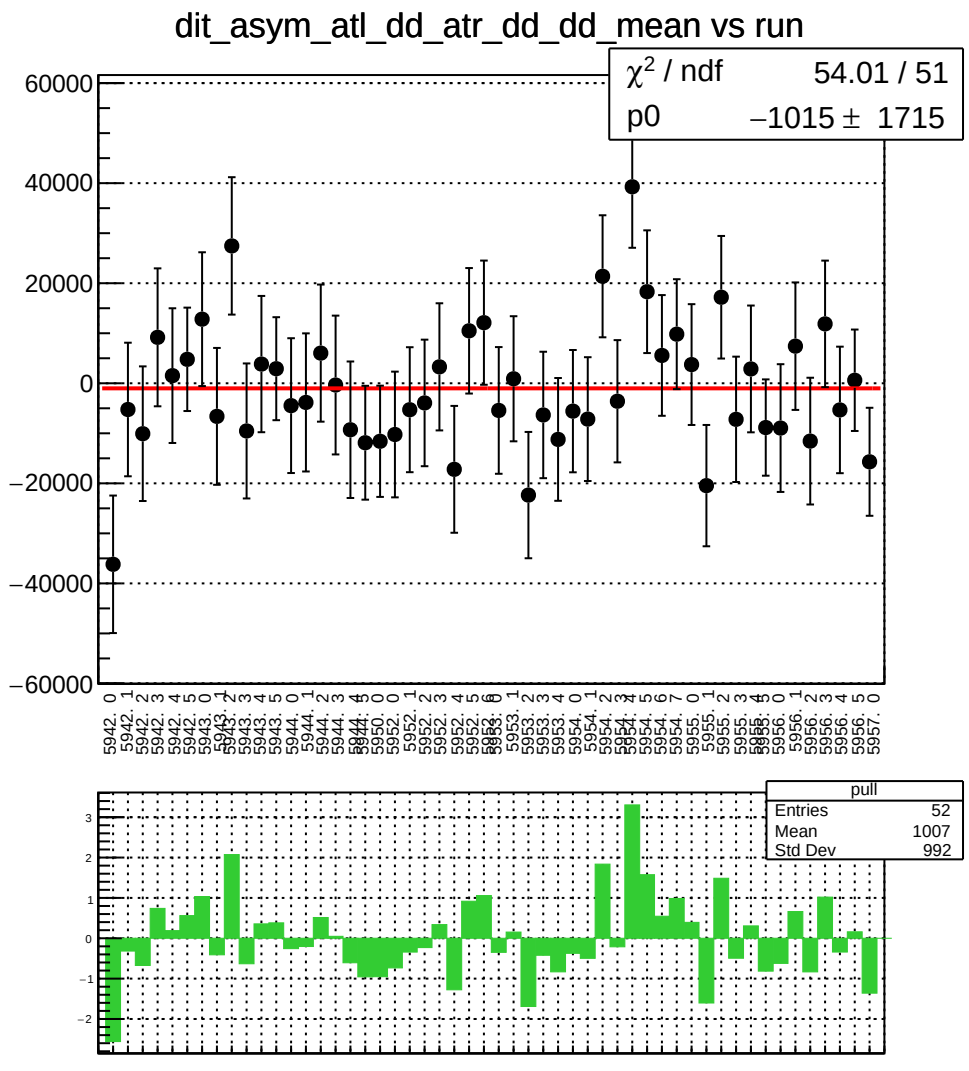

pull1D
Entries 52
Mean 0.0187
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

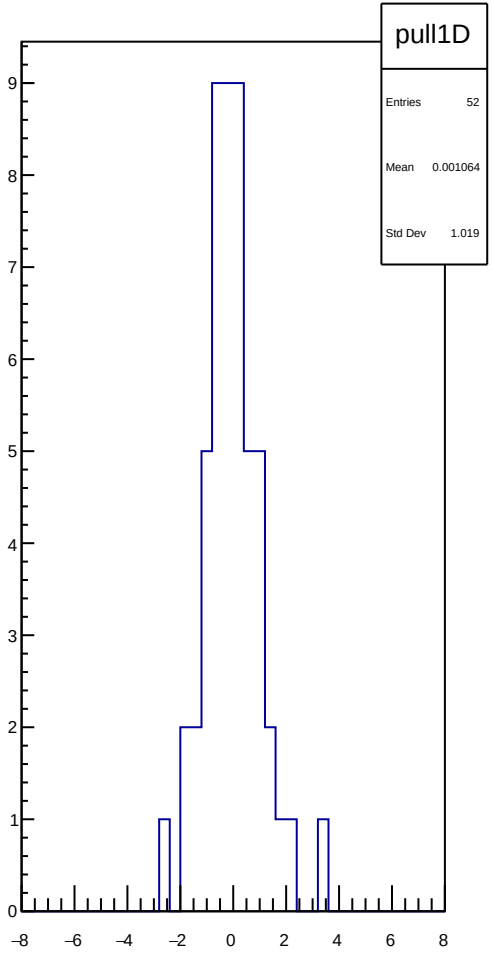

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 4909 / 51
p0 3090 ± 3.083
4000
3800
3600
3400
3200
3000
2800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

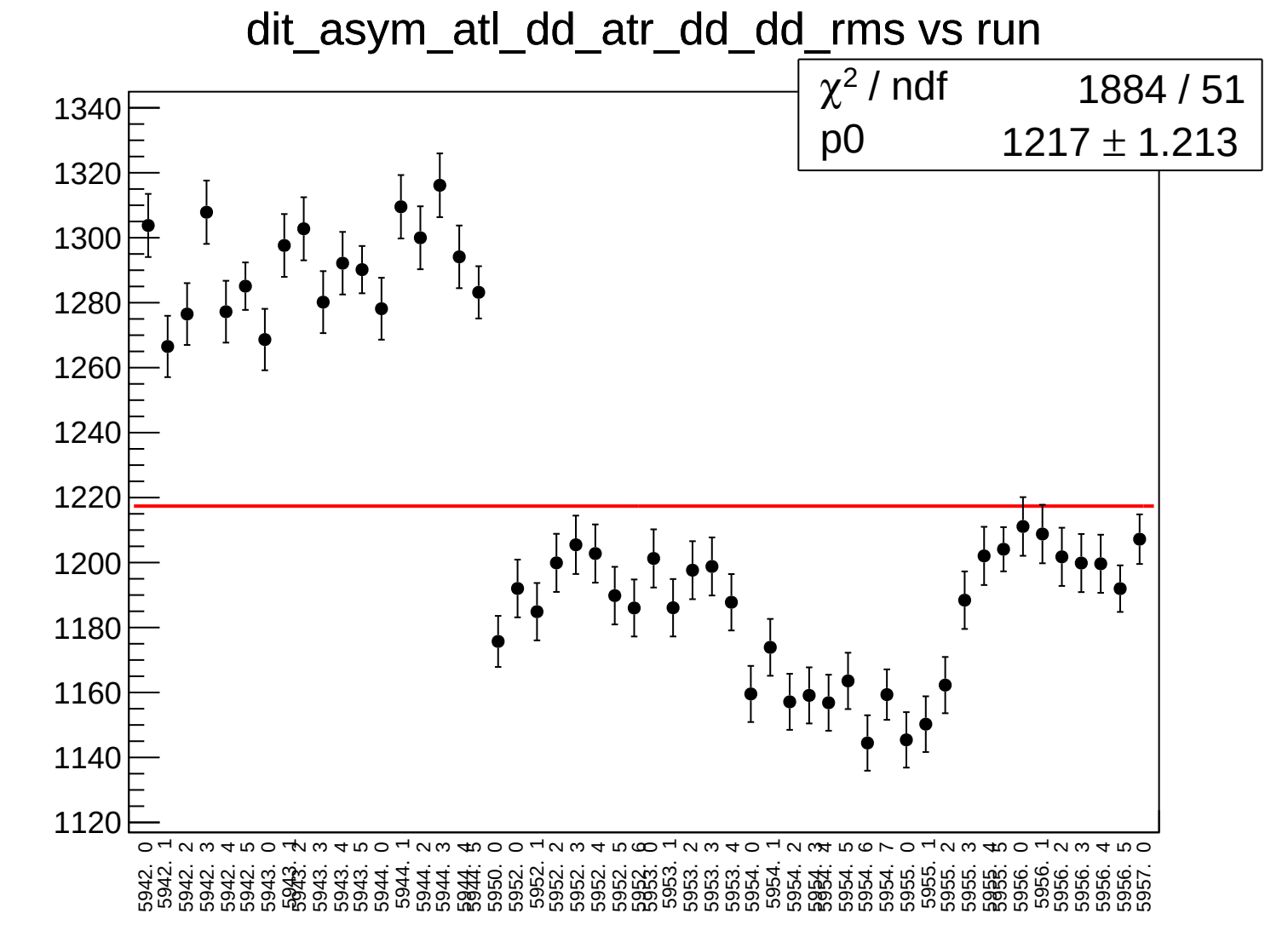

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 53.48 / 51
p0 4483 ± 4703
100
50
0
−50
−100
pull
Entries 52
Mean 172.3
Std Dev 145.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

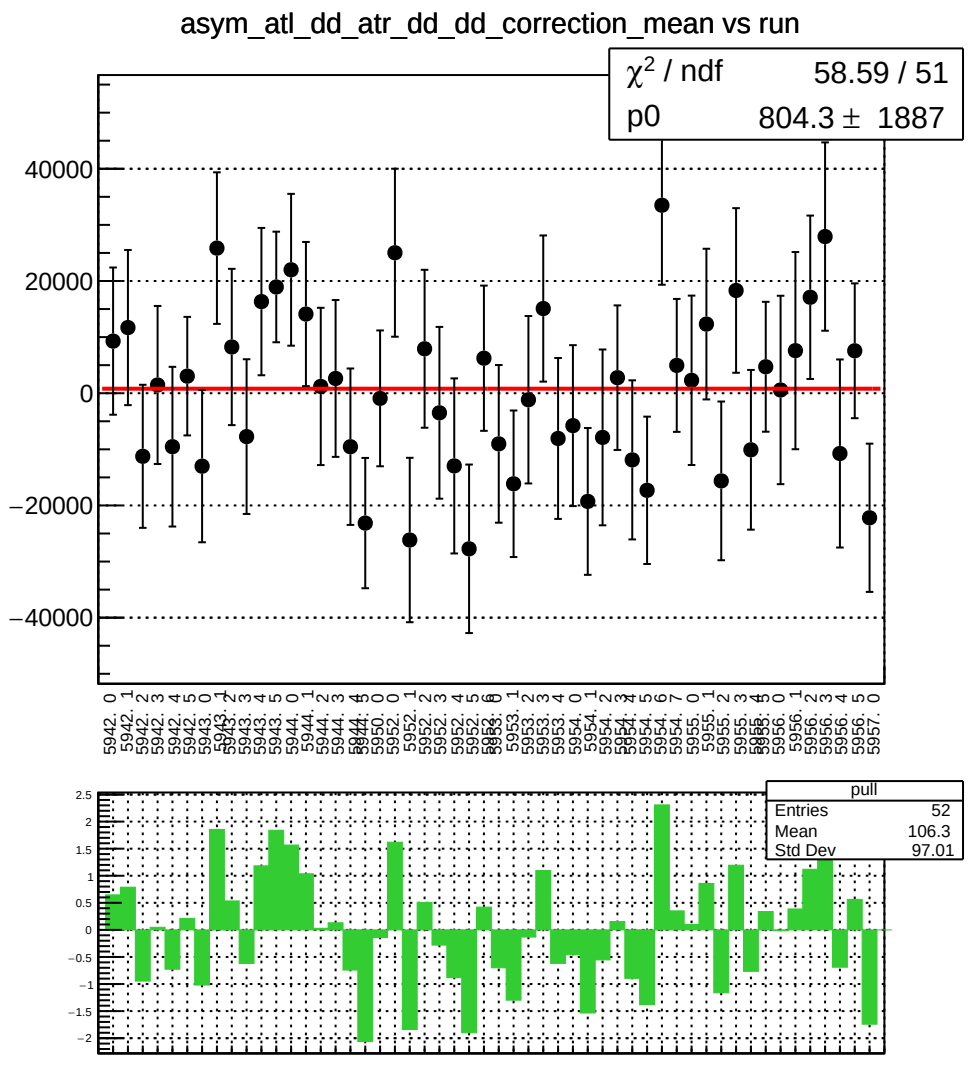

pull1D
Entries 52
Mean −0.01929
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

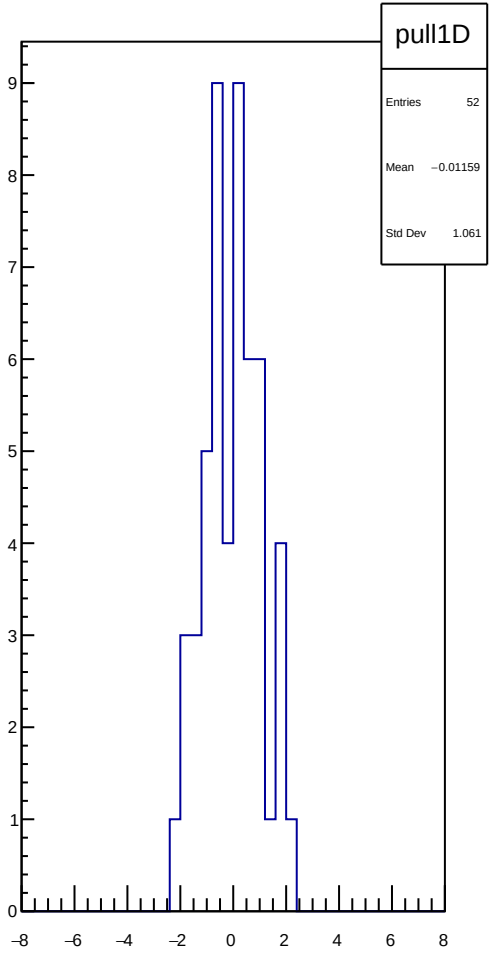

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3523 / 51
p0 3335 ± 3.325
4200
4000
3800
3600
3400
3200
3000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

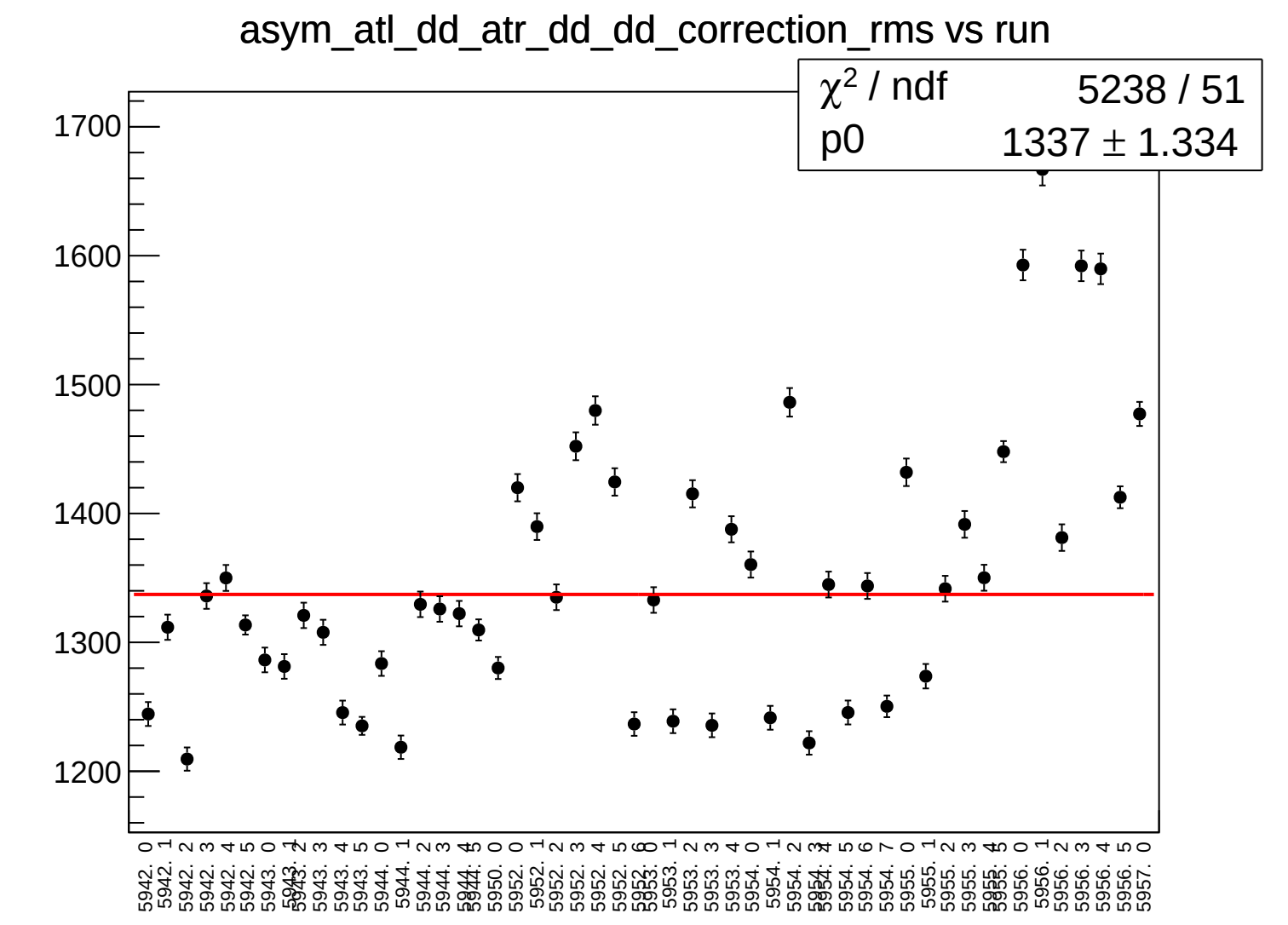

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 54.01 / 51
p0 −1015 ± 1715
pull
Entries 52
Mean 1007
Std Dev 992

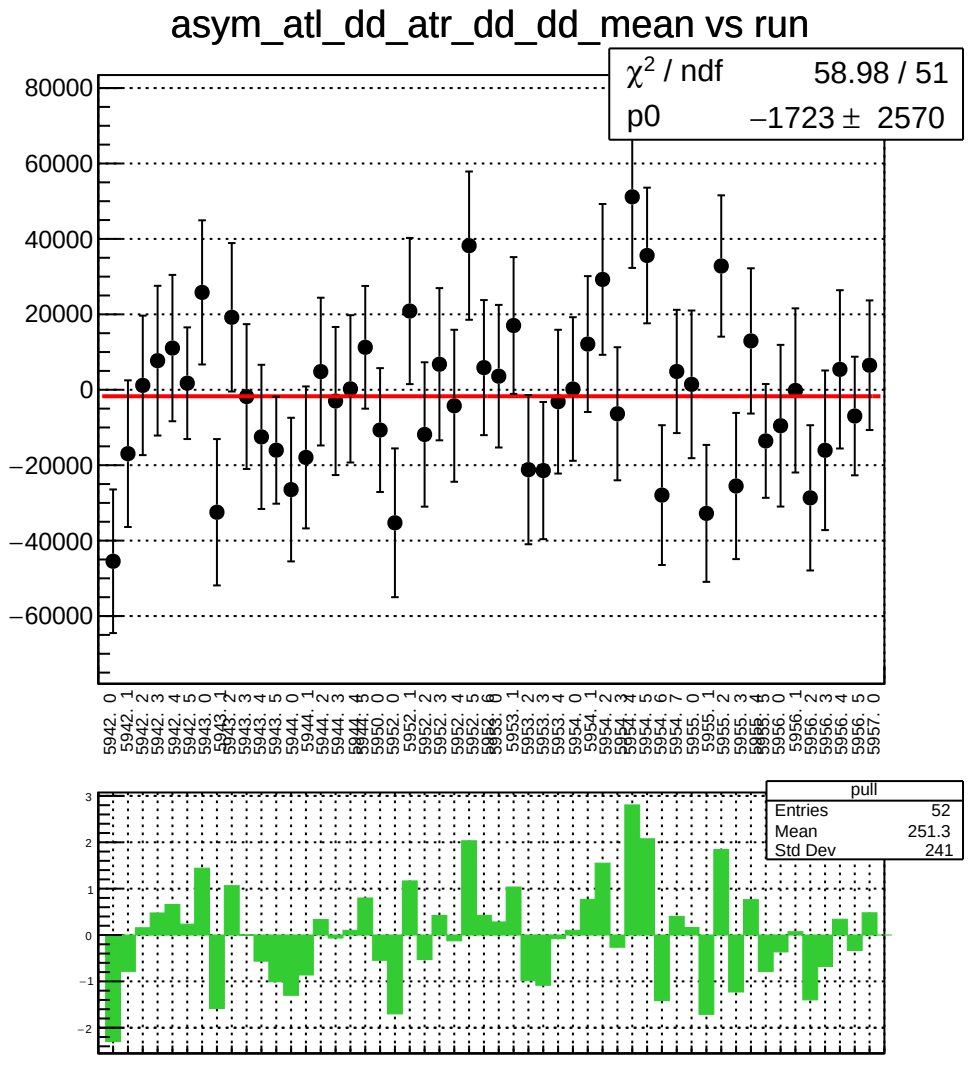

pull1D
Entries 52
Mean 0.001064
Std Dev 1.019

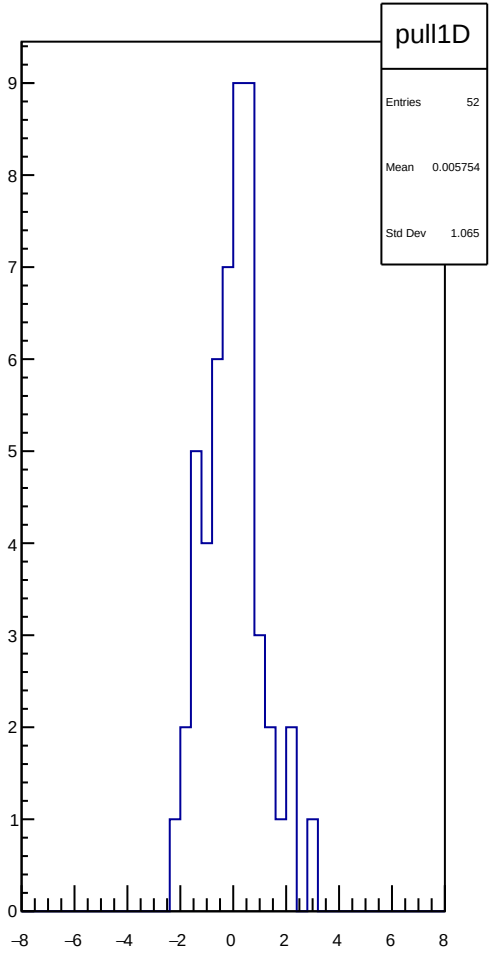

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1884 / 51
p0 1217 ± 1.213
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

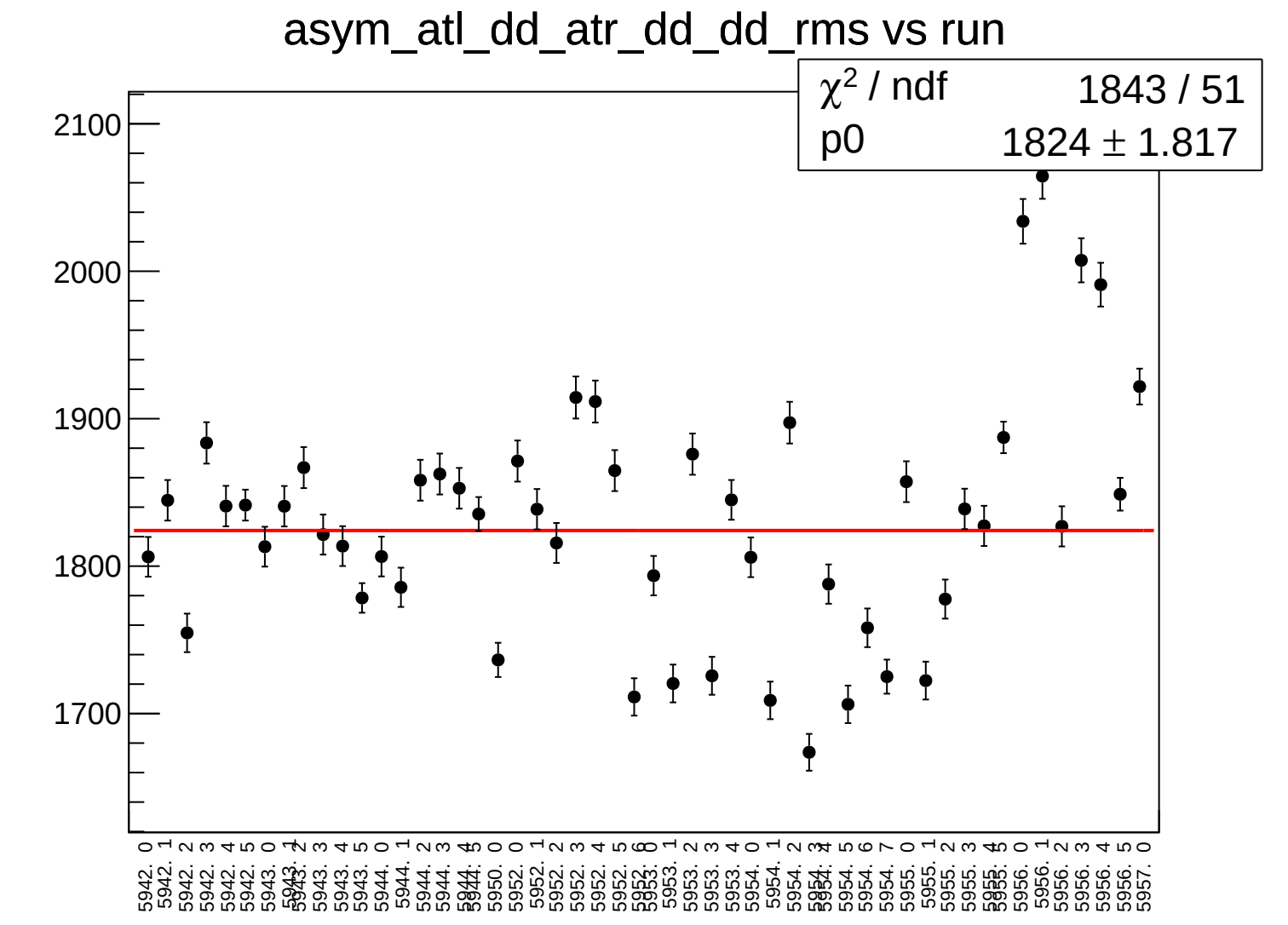

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 58.59 / 51
p0 804.3 ± 1887
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 106.3
Std Dev 97.01
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

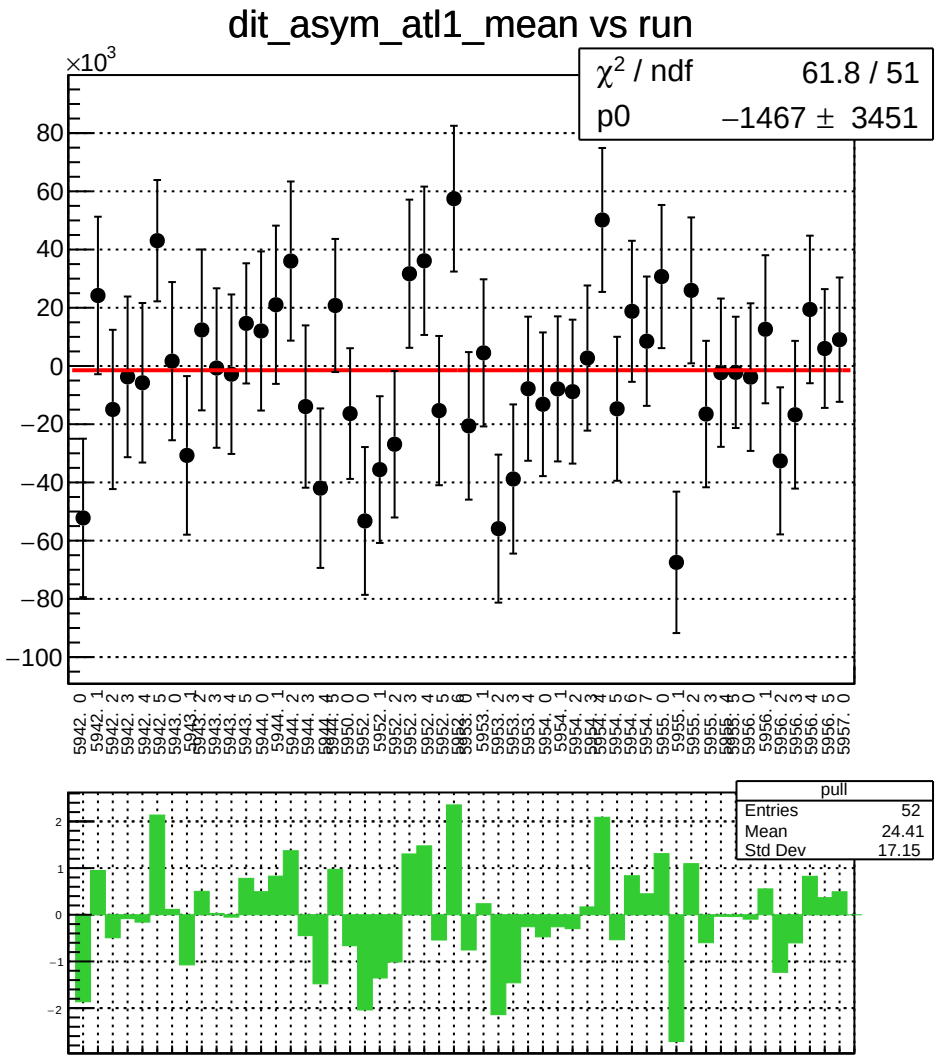

pull1D
Entries 52
Mean −0.01159
Std Dev 1.061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

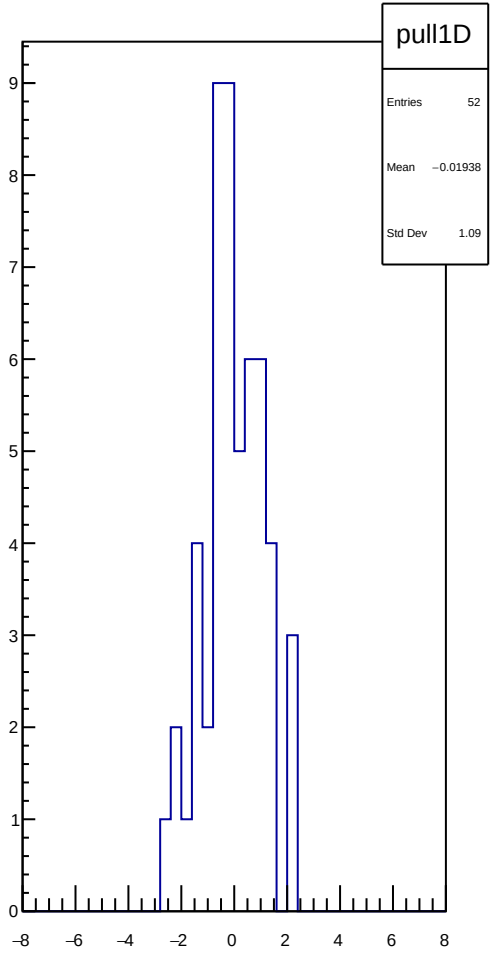

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 5238 / 51
p0 1337 ± 1.334
1700
1600
1500
1400
1300
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

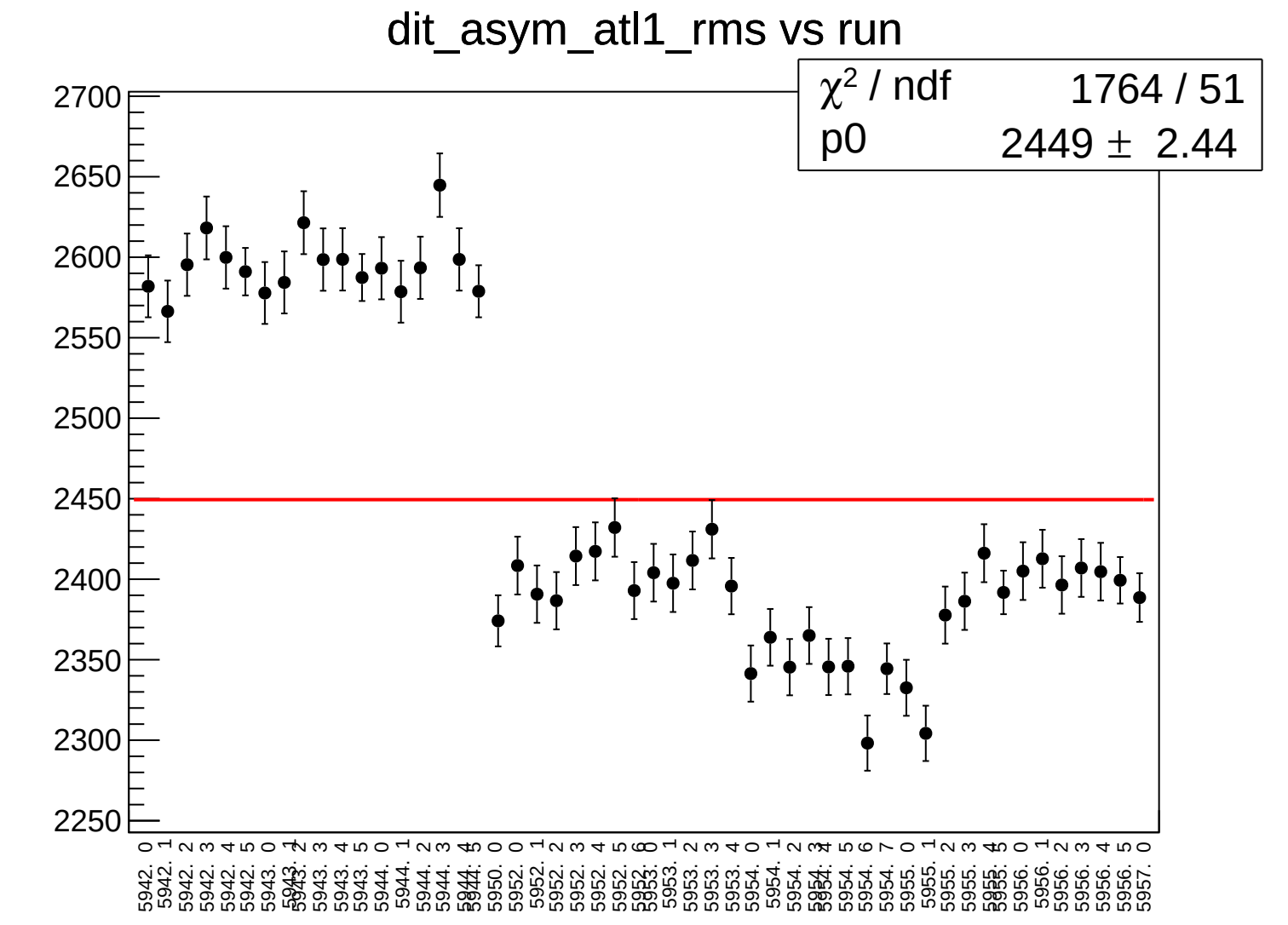

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 58.98 / 51
p0 −1723 ± 2570
pull
Entries 52
Mean 251.3
Std Dev 241

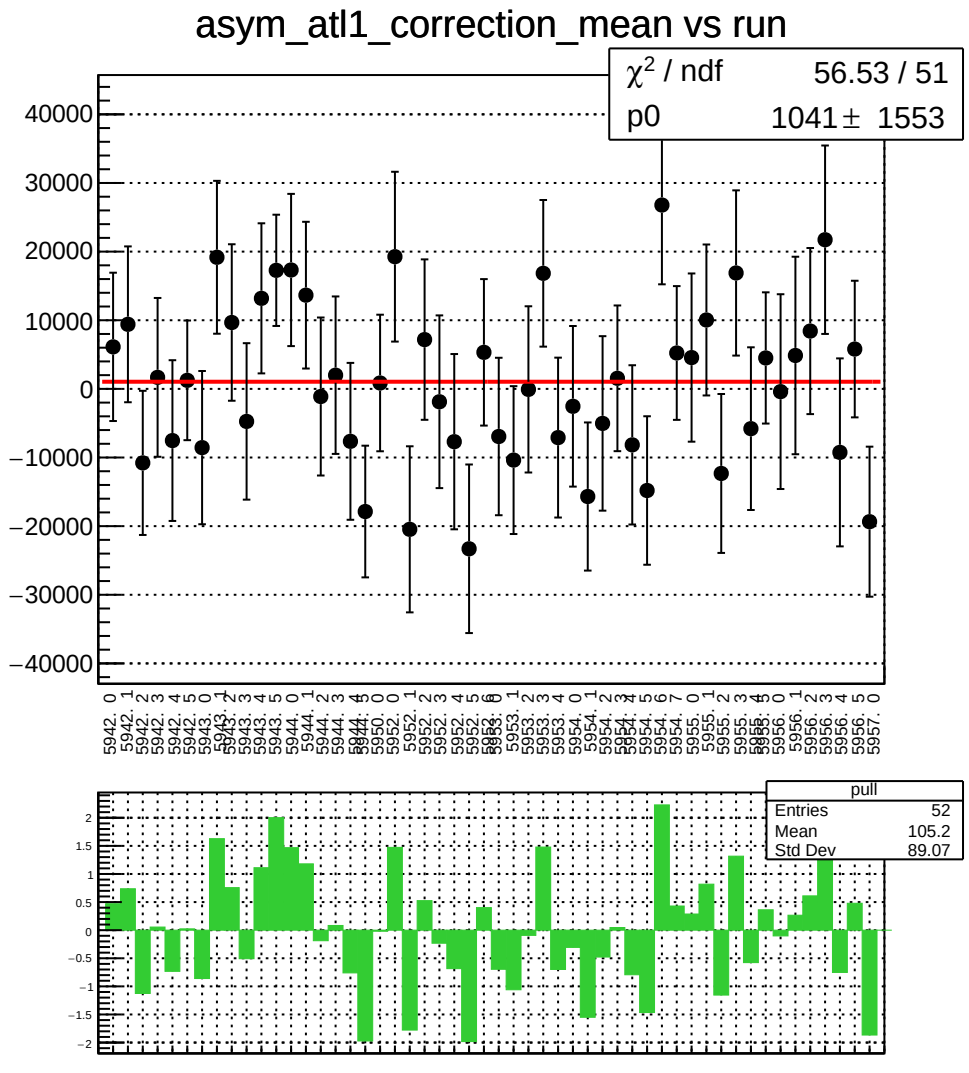

pull1D
Entries 52
Mean 0.005754
Std Dev 1.065

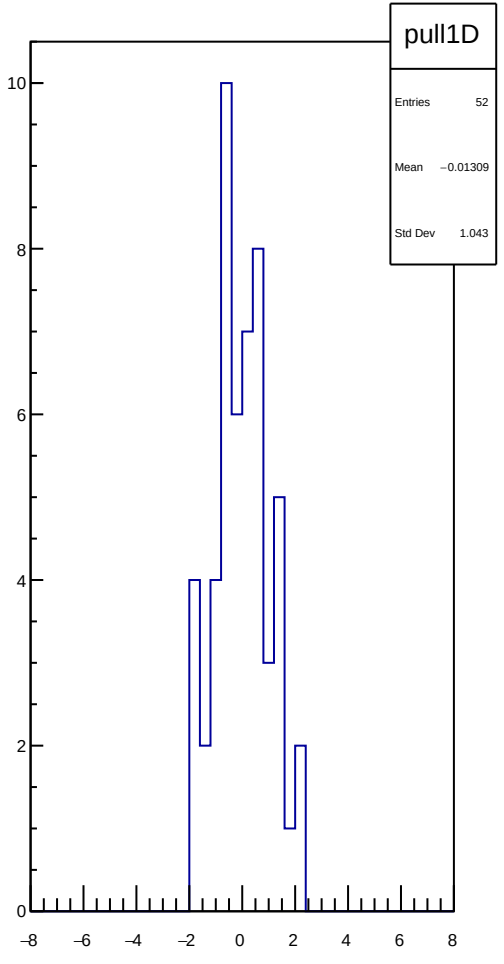

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1843 / 51
p0 1824 ± 1.817
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

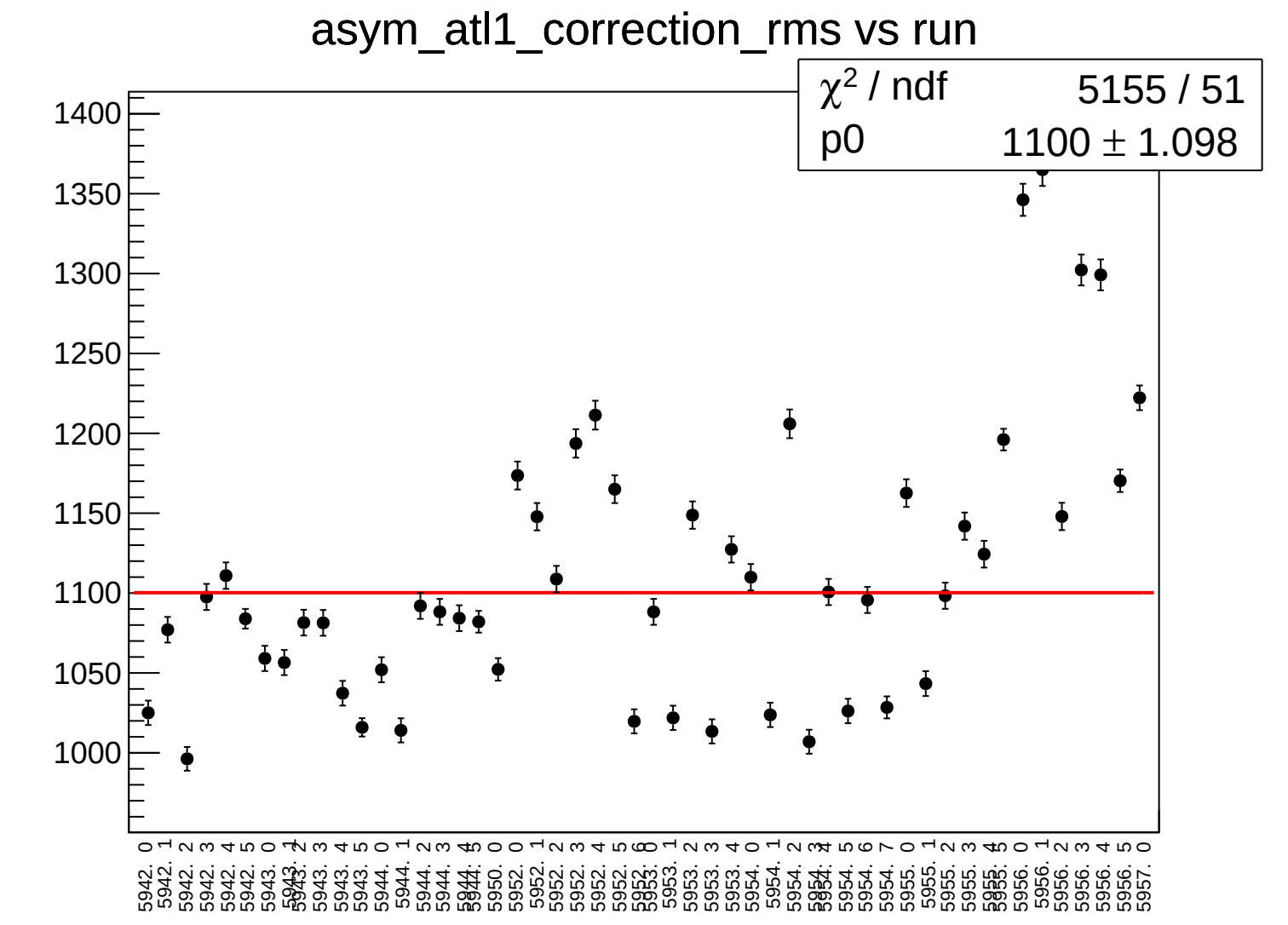

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 61.8 / 51
p0 −1467 ± 3451
pull
Entries 52
Mean 24.41
Std Dev 17.15

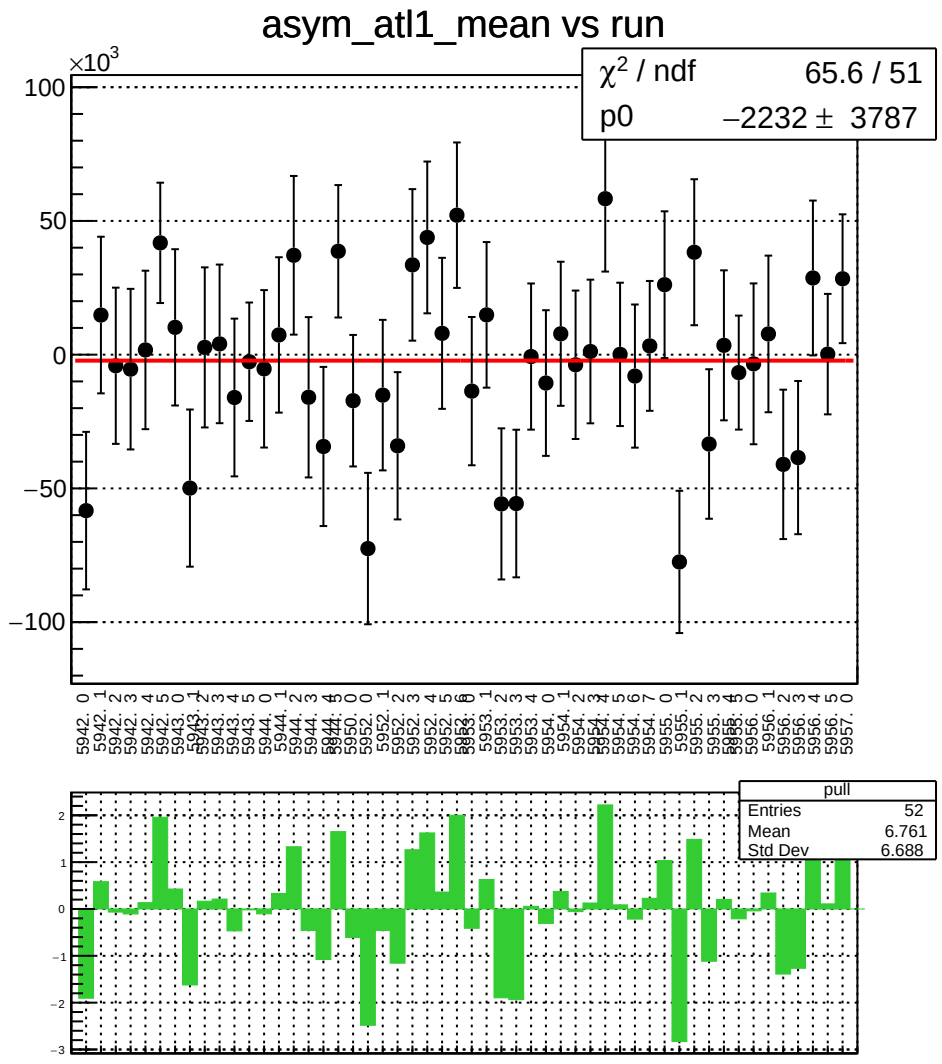

pull1D
Entries 52
Mean −0.01938
Std Dev 1.09

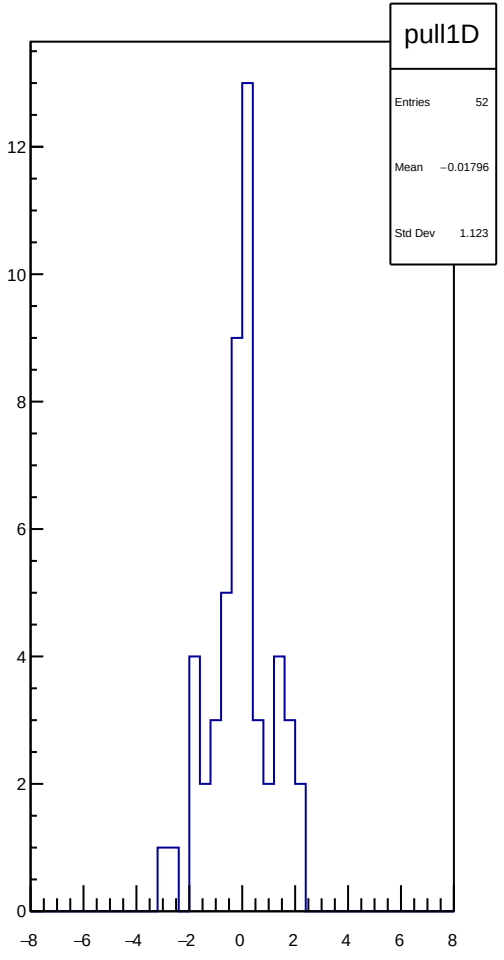

dit_asym_atl1_rms vs run
χ² / ndf 1764 / 51
p0 2449 ± 2.44
2700
2650
2600
2550
2500
2450
2400
2350
2300
2250
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

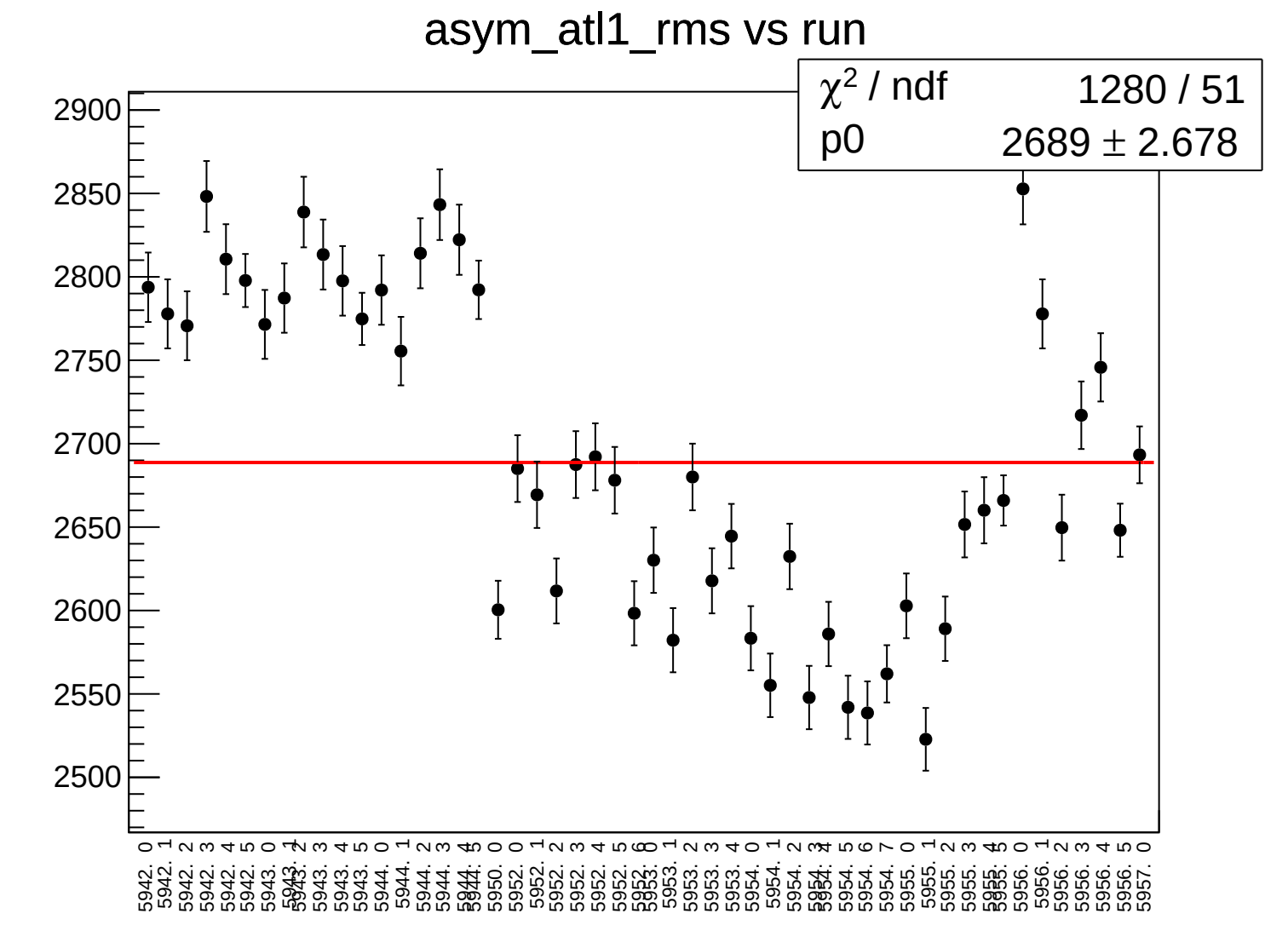

asym_atl1_correction_mean vs run
χ² / ndf 56.53 / 51
p0 1041 ± 1553
pull
Entries 52
Mean 105.2
Std Dev 89.07

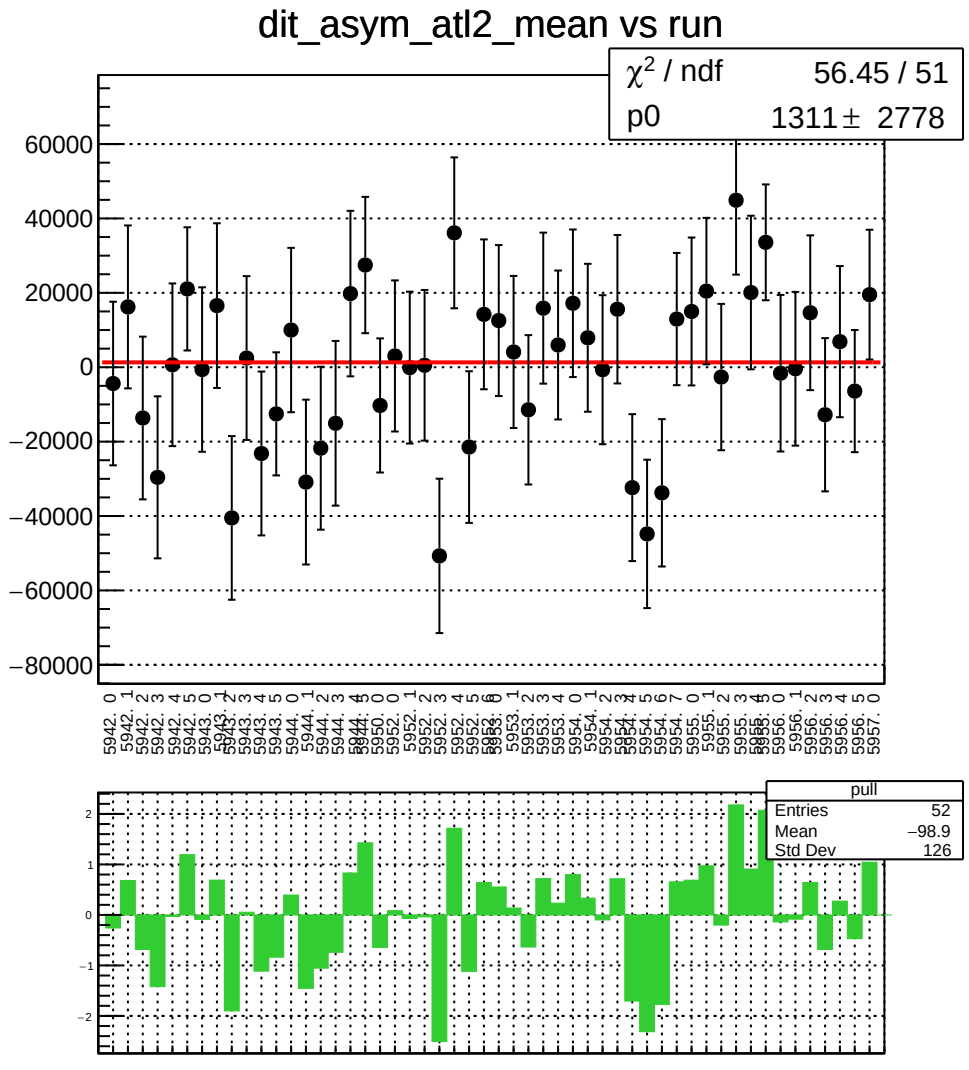

pull1D
Entries 52
Mean −0.01309
Std Dev 1.043

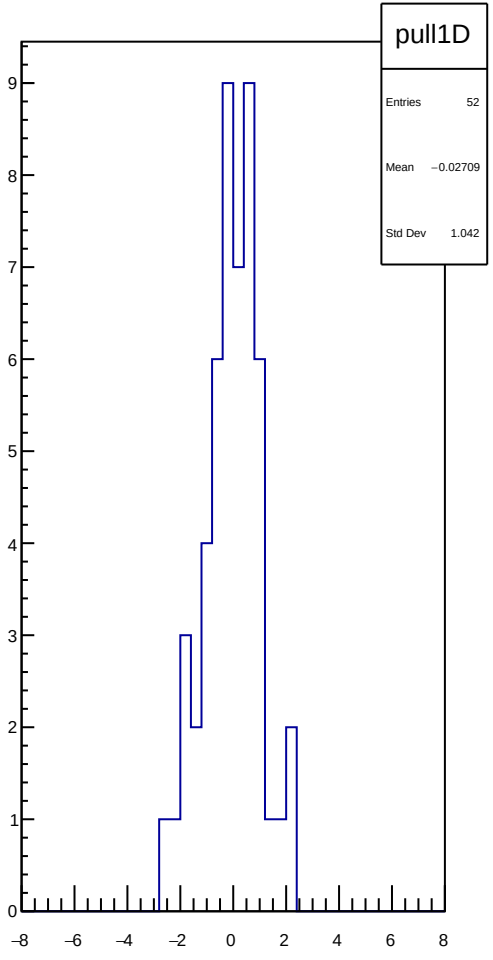

asym_atl1_correction_rms vs run
χ² / ndf 5155 / 51
p0 1100 ± 1.098
1400
1350
1300
1250
1200
1150
1100
1050
1000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

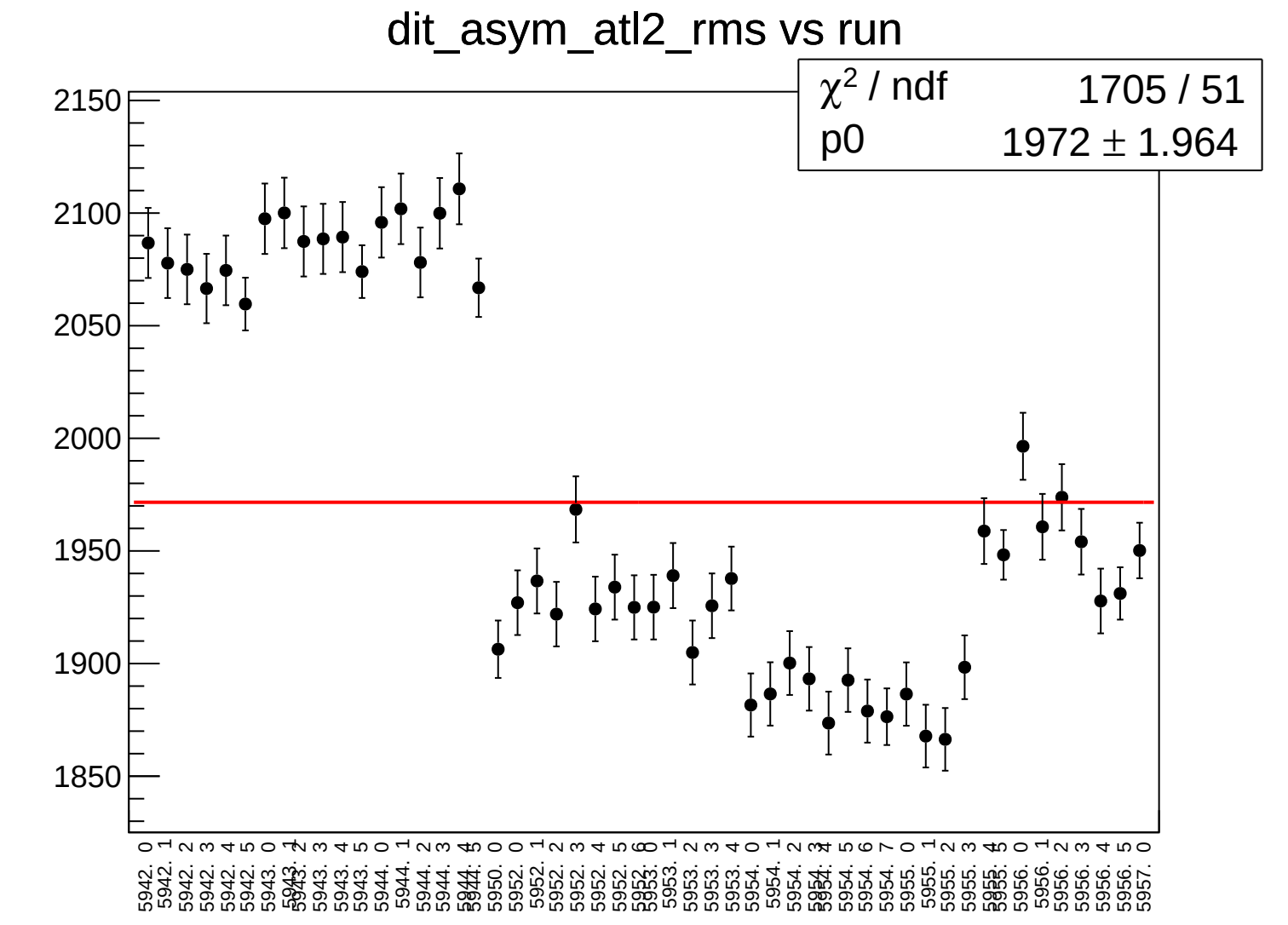

asym_atl1_mean vs run
×10^3
χ² / ndf 65.6 / 51
p0 −2232 ± 3787
pull
Entries 52
Mean 6.761
Std Dev 6.688

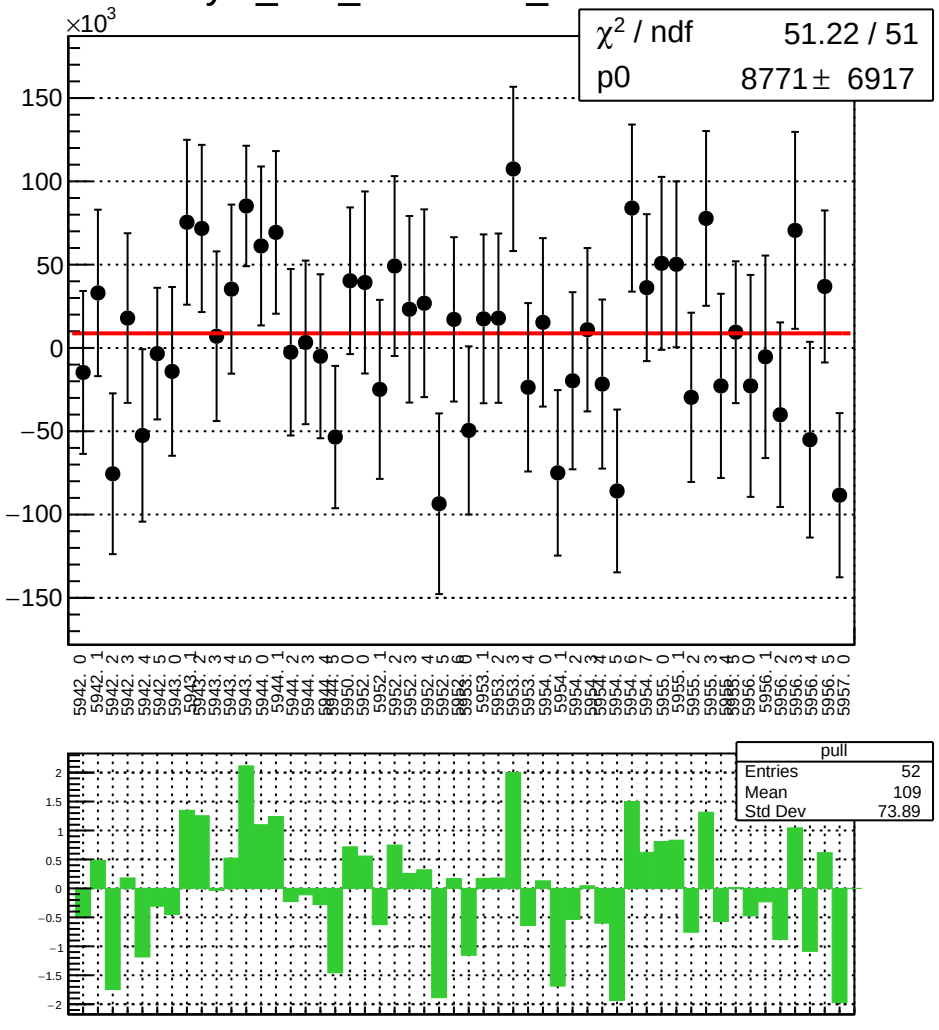

pull1D
Entries 52
Mean −0.01796
Std Dev 1.123

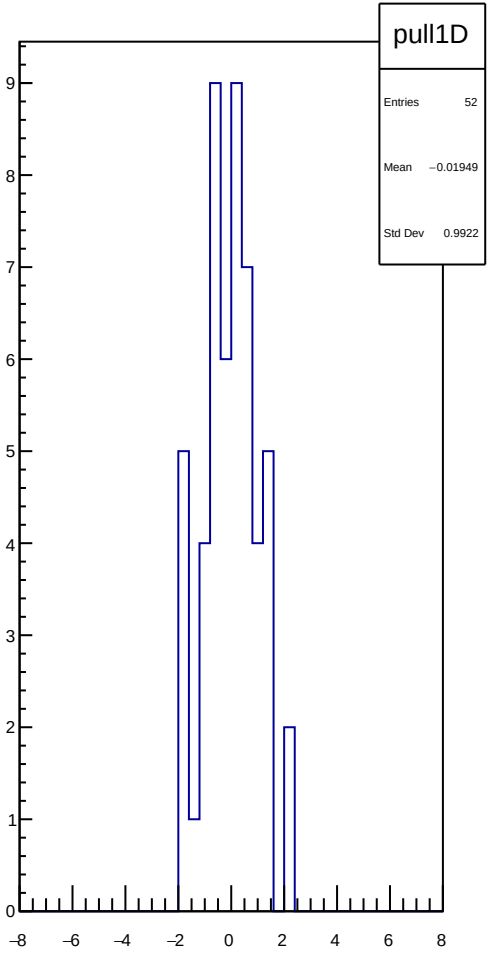

asym_atl1_rms vs run
χ² / ndf 1280 / 51
p0 2689 ± 2.678
2900
2850
2800
2750
2700
2650
2600
2550
2500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

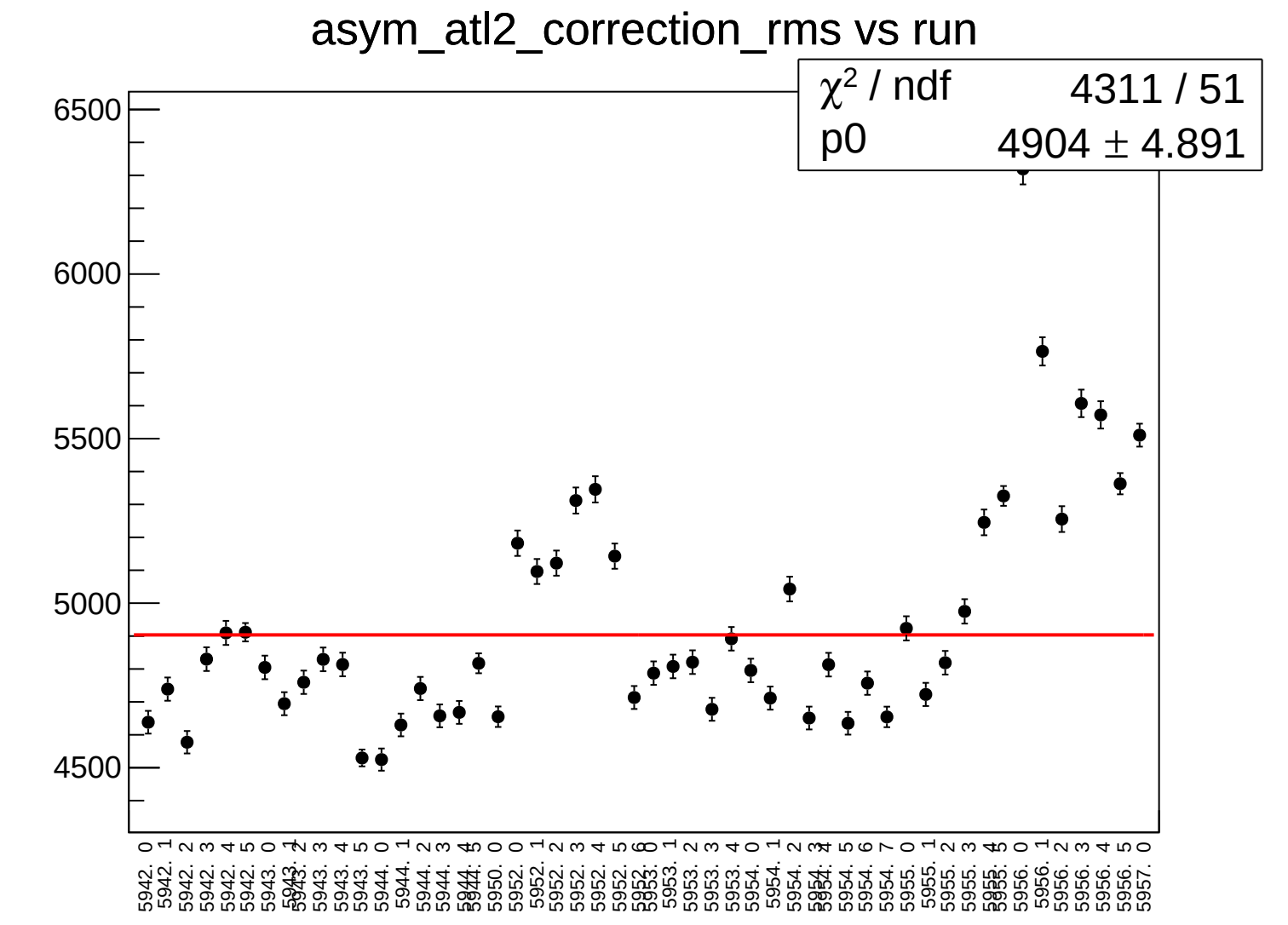

dit_asym_atl2_mean vs run
χ² / ndf 56.45 / 51
p0 1311 ± 2778
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −98.9
Std Dev 126
2
1
0
−1
−2

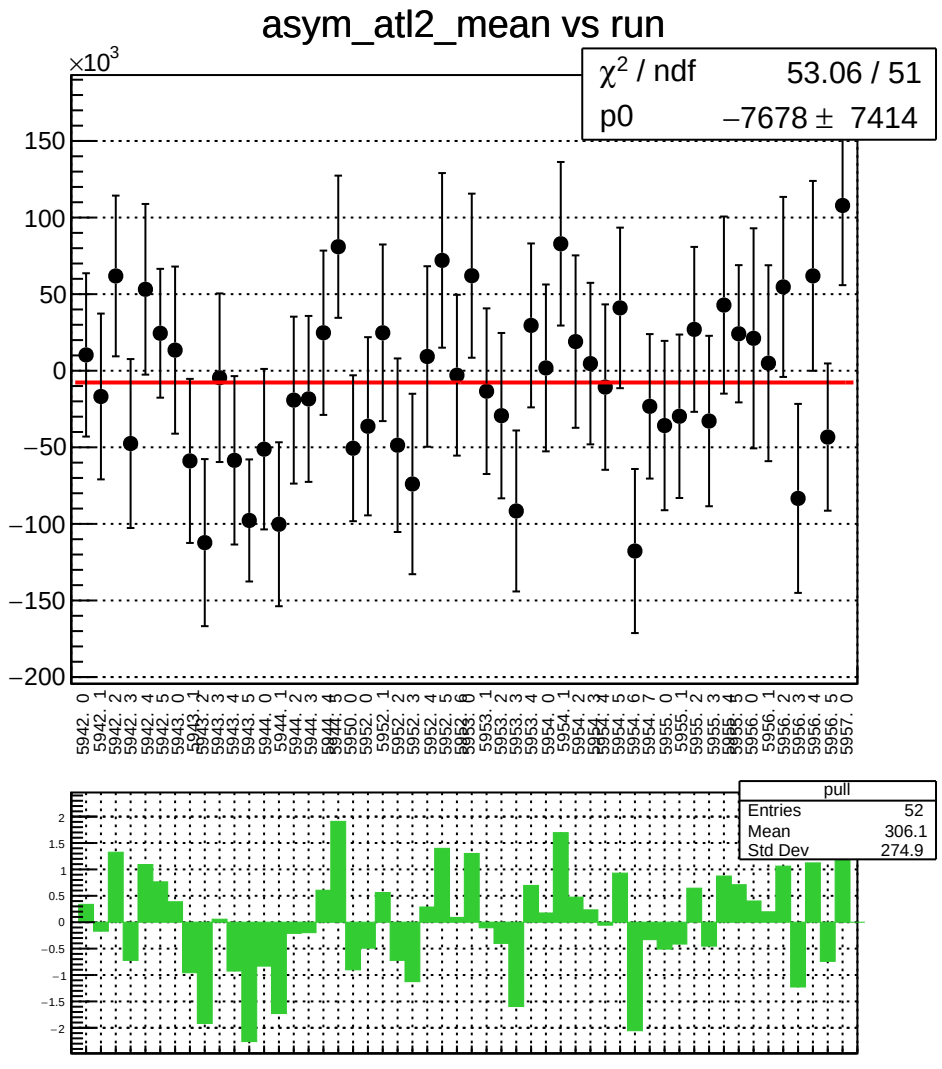

pull1D
Entries 52
Mean −0.02709
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

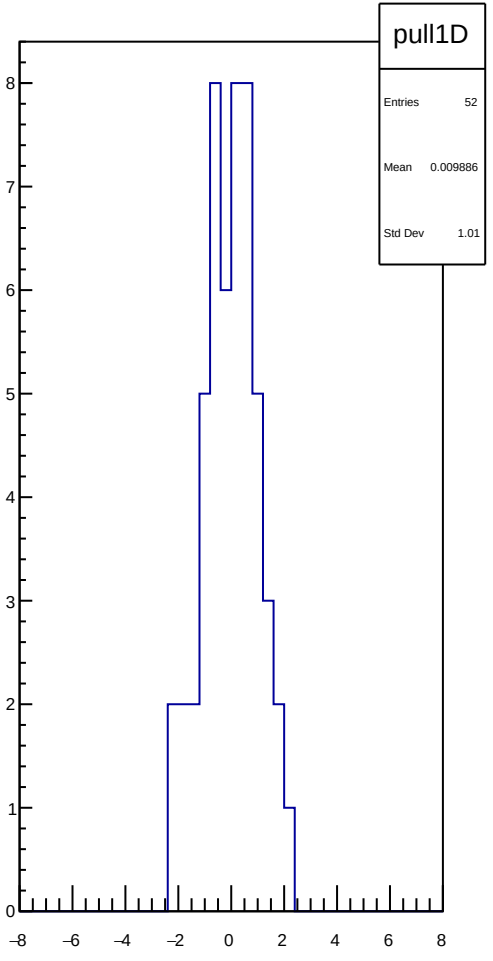

dit_asym_atl2_rms vs run
χ² / ndf 1705 / 51
p0 1972 ± 1.964
2150
2100
2050
2000
1950
1900
1850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

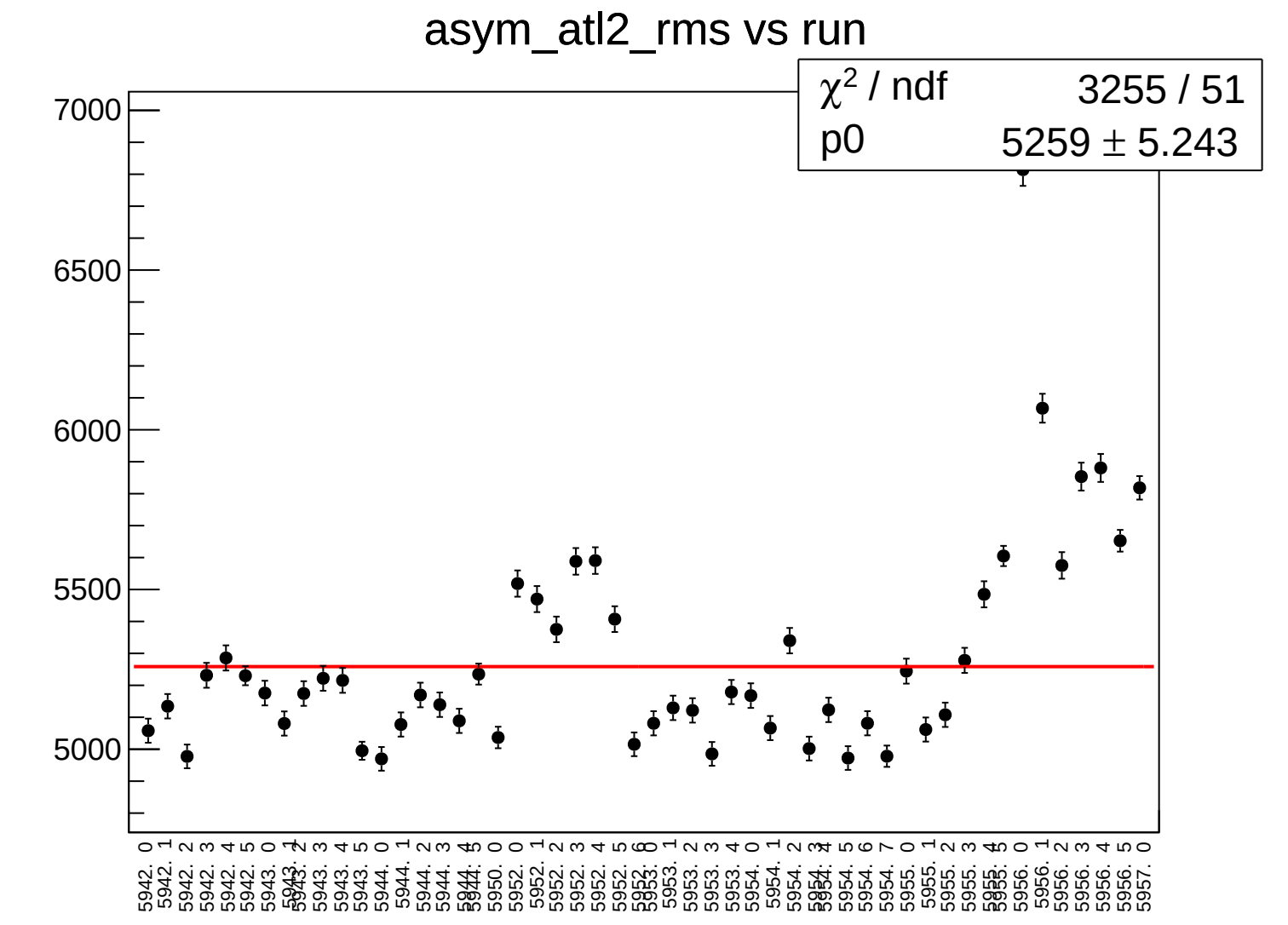

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 51.22 / 51
p0 8771 ± 6917
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 109
Std Dev 73.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

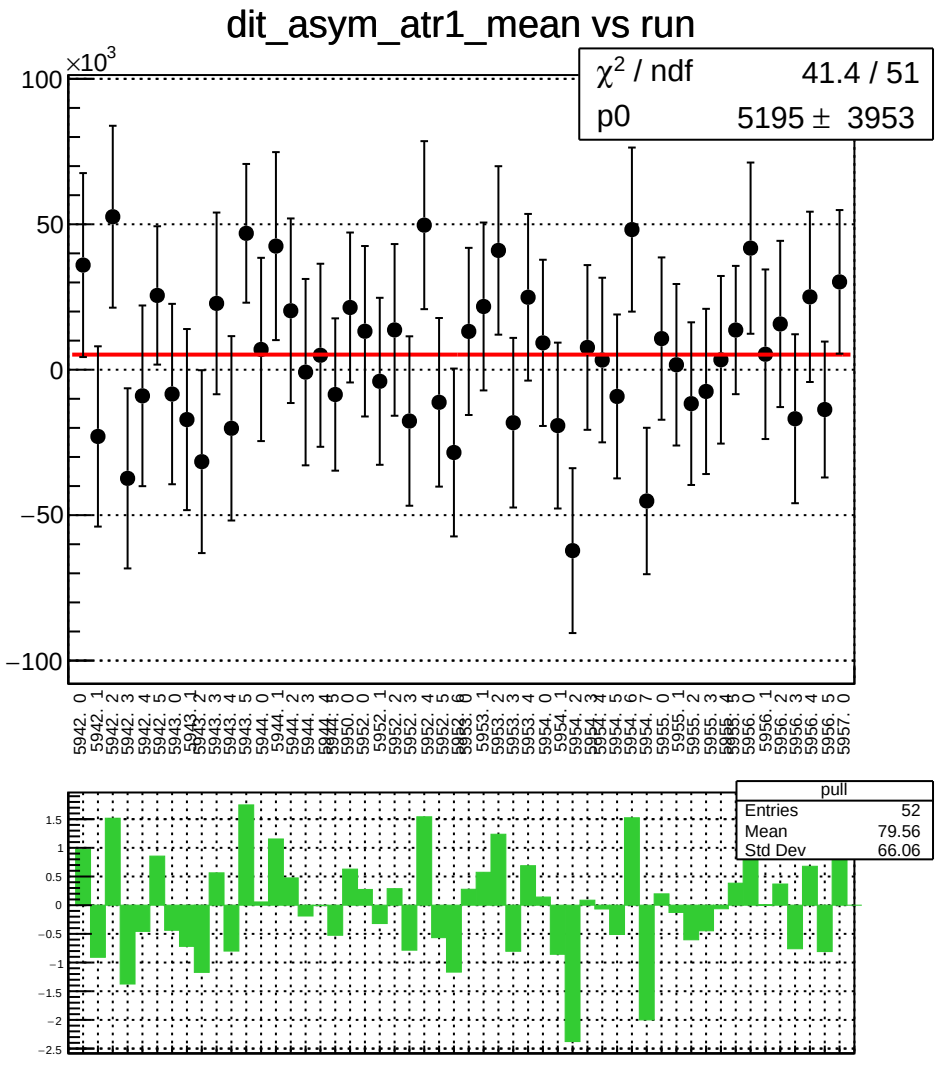

pull1D
Entries 52
Mean −0.01949
Std Dev 0.9922
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

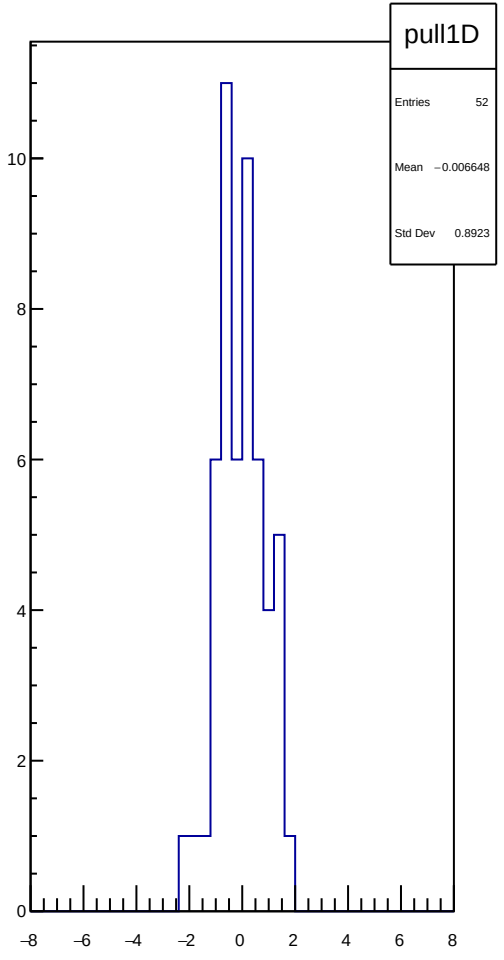

asym_atl2_correction_rms vs run
χ² / ndf 4311 / 51
p0 4904 ± 4.891
6500
6000
5500
5000
4500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

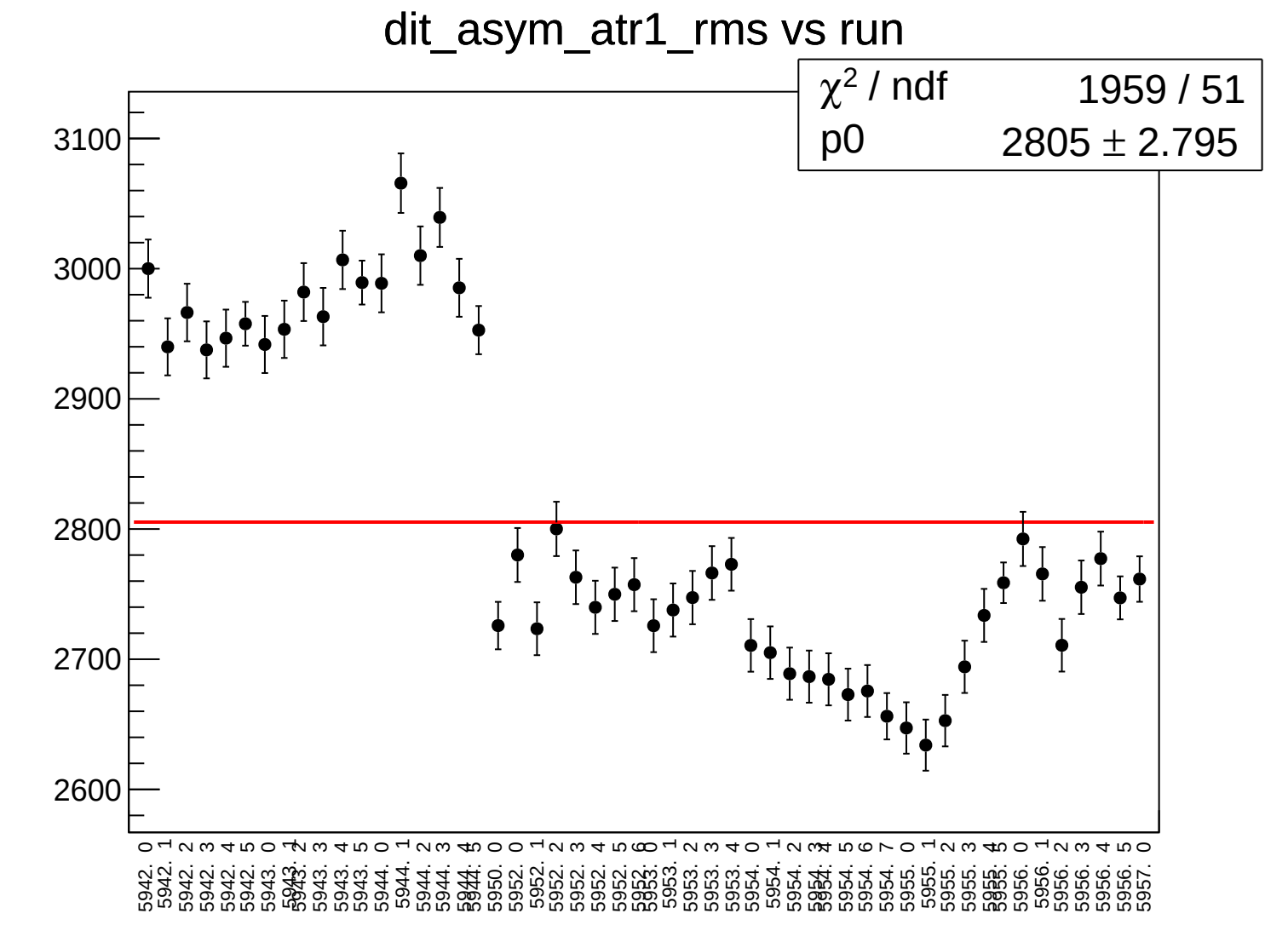

asym_atl2_mean vs run
×10^3
χ² / ndf 53.06 / 51
p0 −7678 ± 7414
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 306.1
Std Dev 274.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

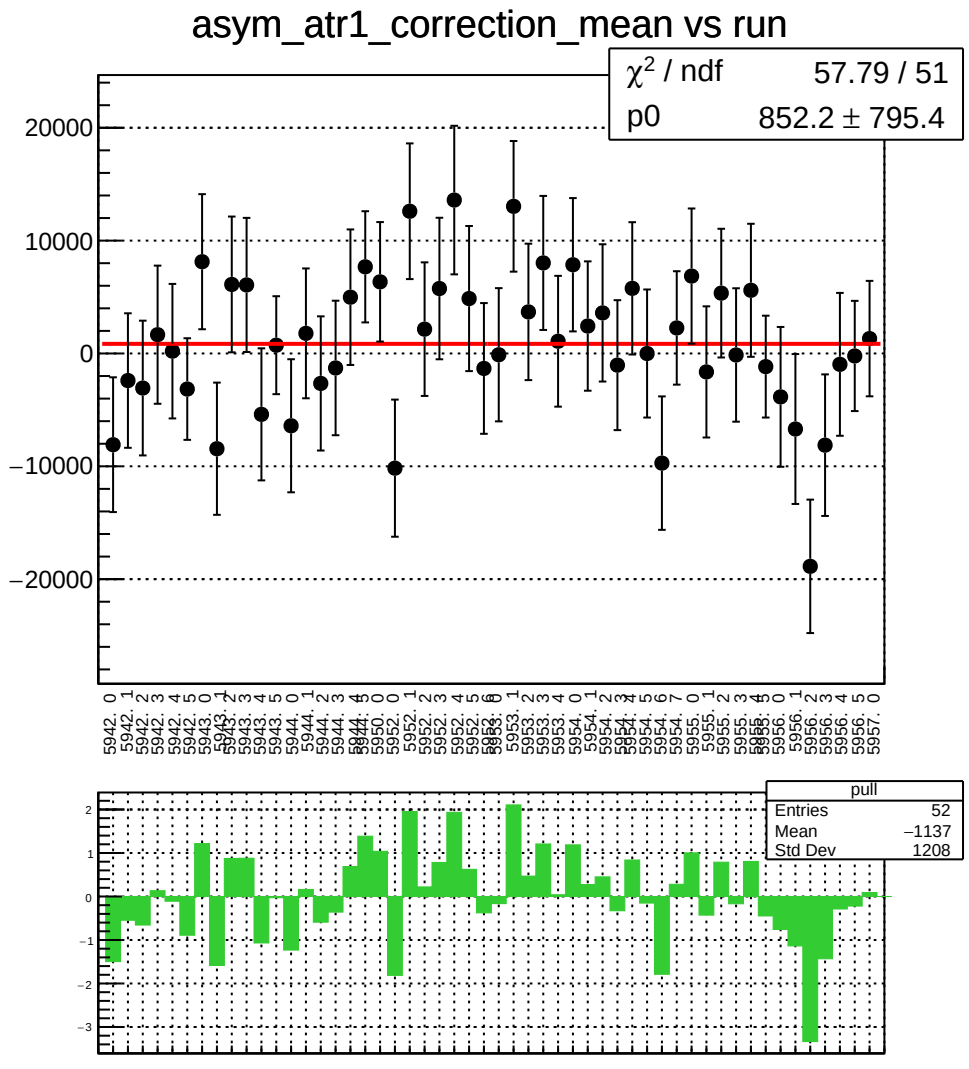

pull1D
Entries 52
Mean 0.009886
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

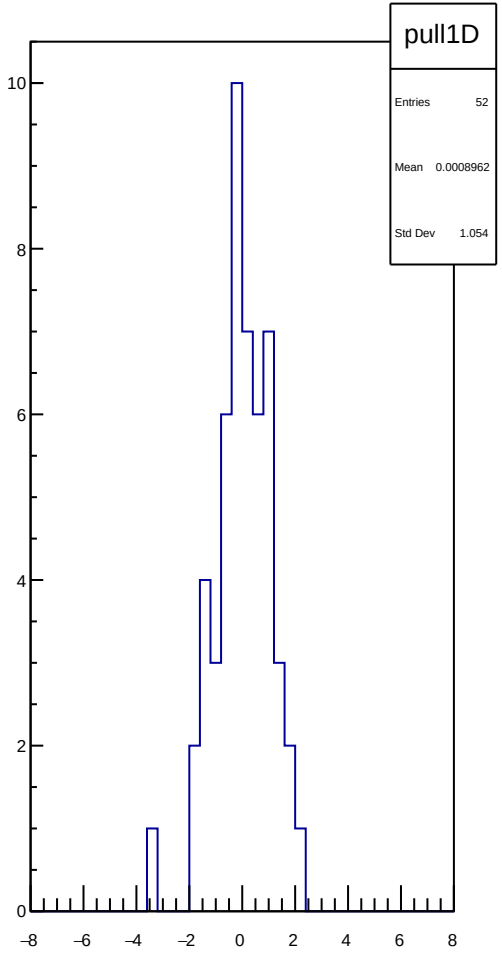

asym_atl2_rms vs run
χ² / ndf 3255 / 51
p0 5259 ± 5.243
7000
6500
6000
5500
5000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

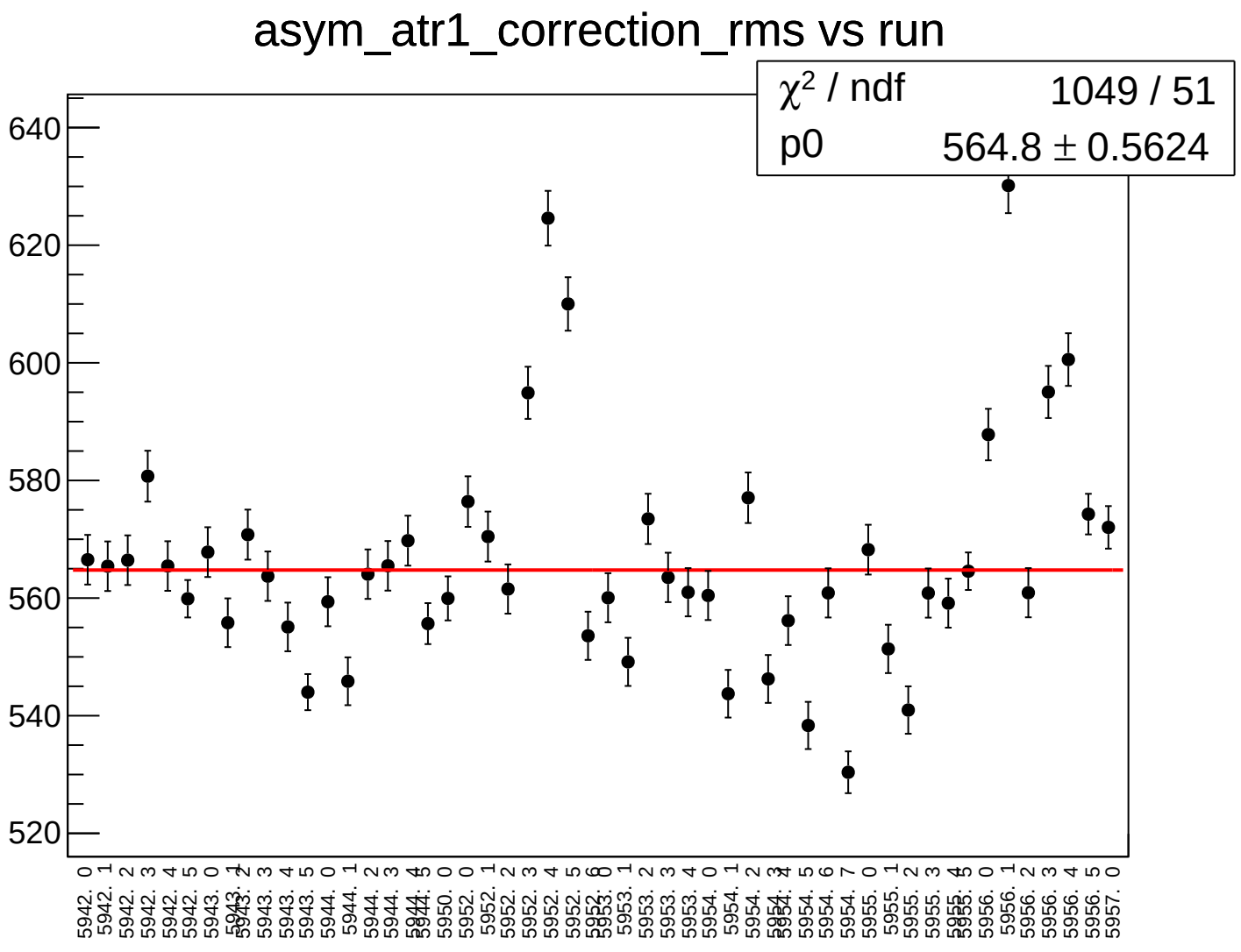

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 41.4 / 51
p0 5195 ± 3953
pull
Entries 52
Mean 79.56
Std Dev 66.06

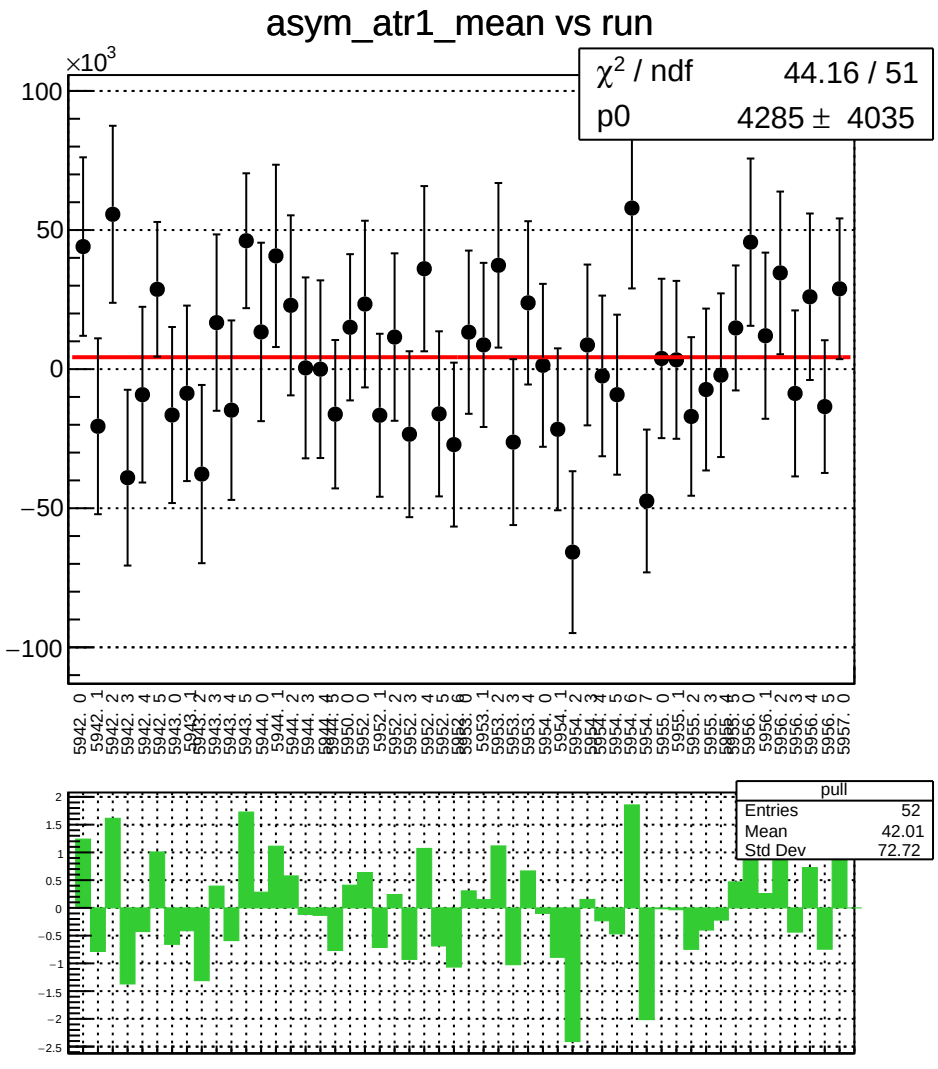

pull1D
Entries 52
Mean −0.006648
Std Dev 0.8923

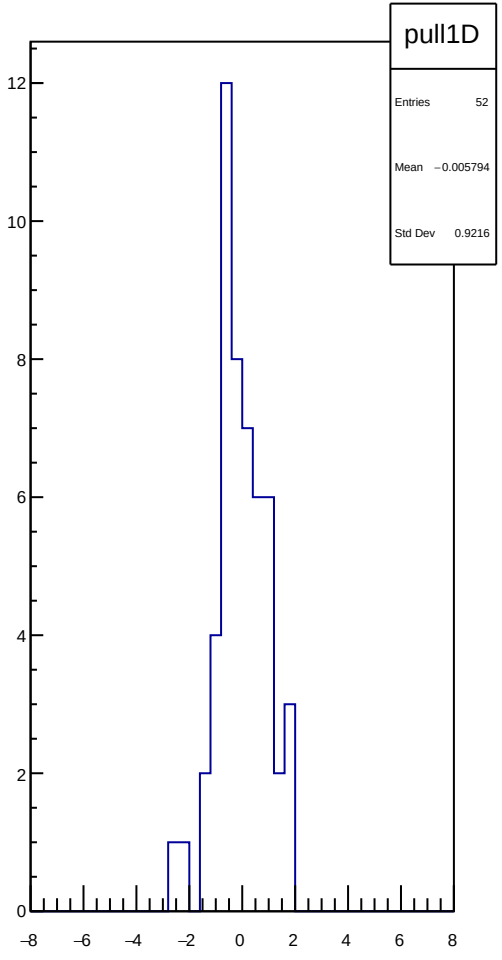

dit_asym_atr1_rms vs run
χ² / ndf 1959 / 51
p0 2805 ± 2.795
3100
3000
2900
2800
2700
2600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

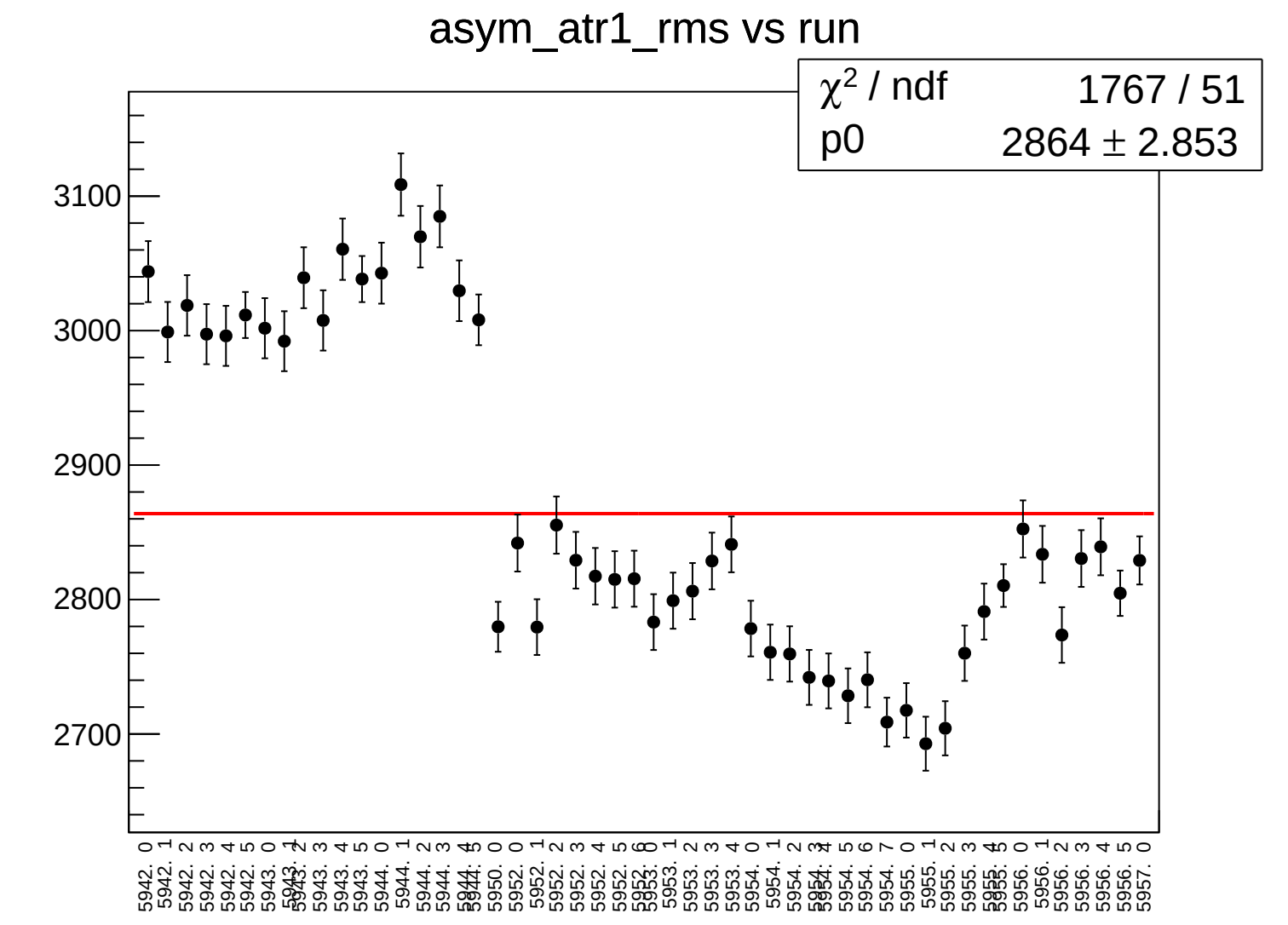

asym_atr1_correction_mean vs run
χ² / ndf 57.79 / 51
p0 852.2 ± 795.4
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −1137
Std Dev 1208
2
1
0
−1
−2
−3

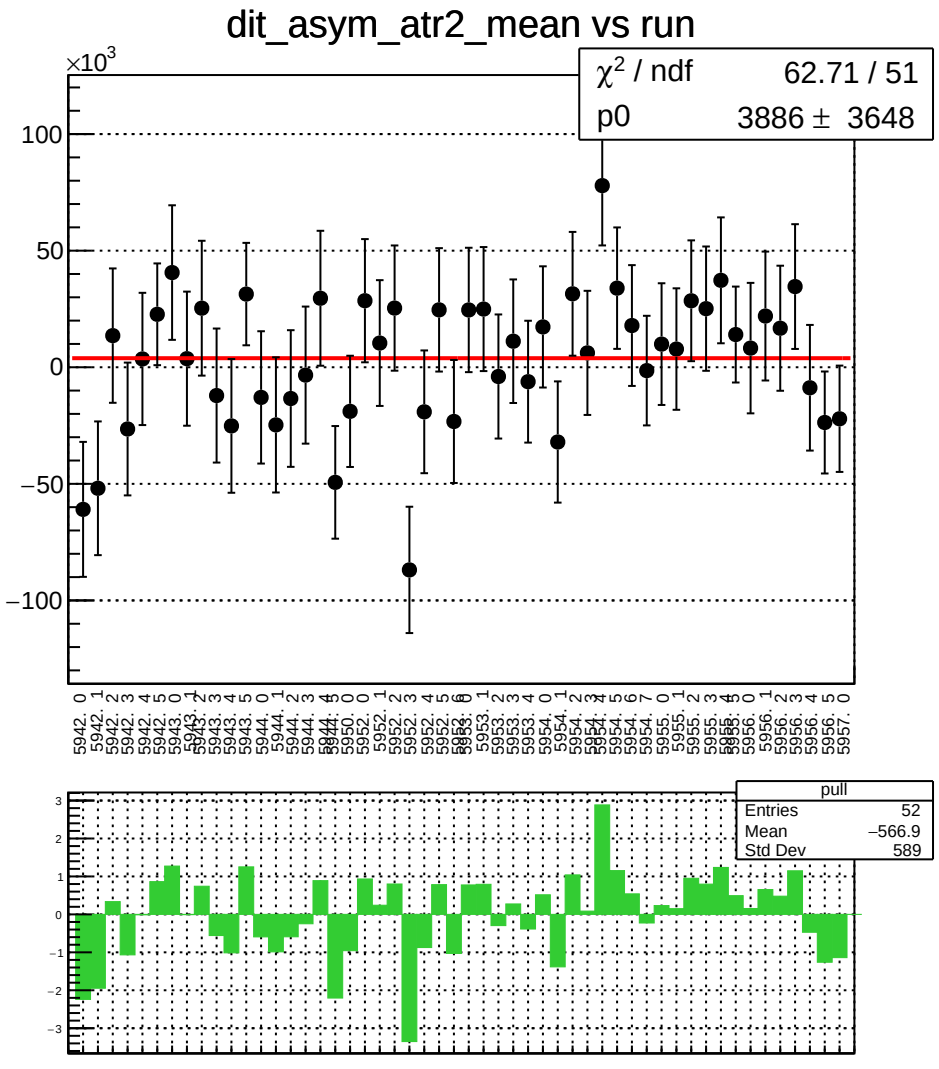

pull1D
Entries 52
Mean 0.0008962
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

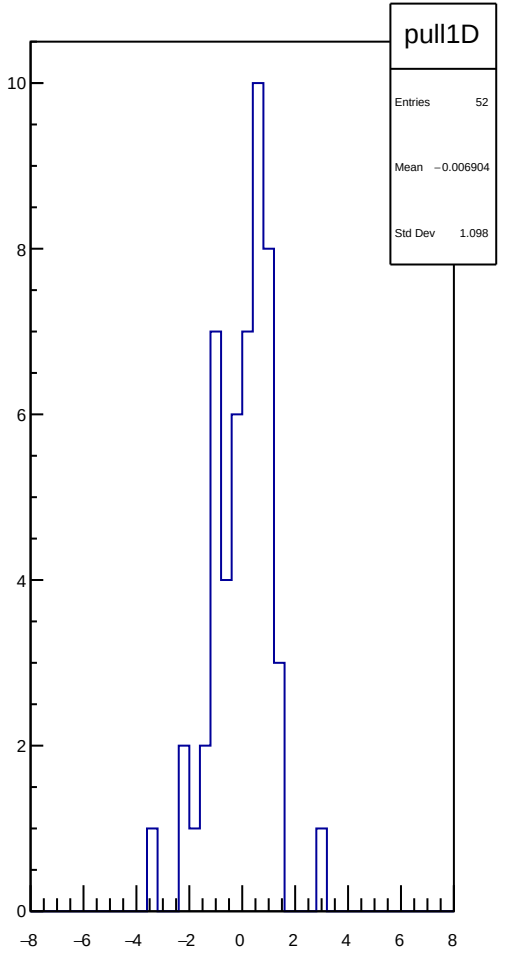

asym_atr1_correction_rms vs run
χ² / ndf 1049 / 51
p0 564.8 ± 0.5624
640
620
600
580
560
540
520
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

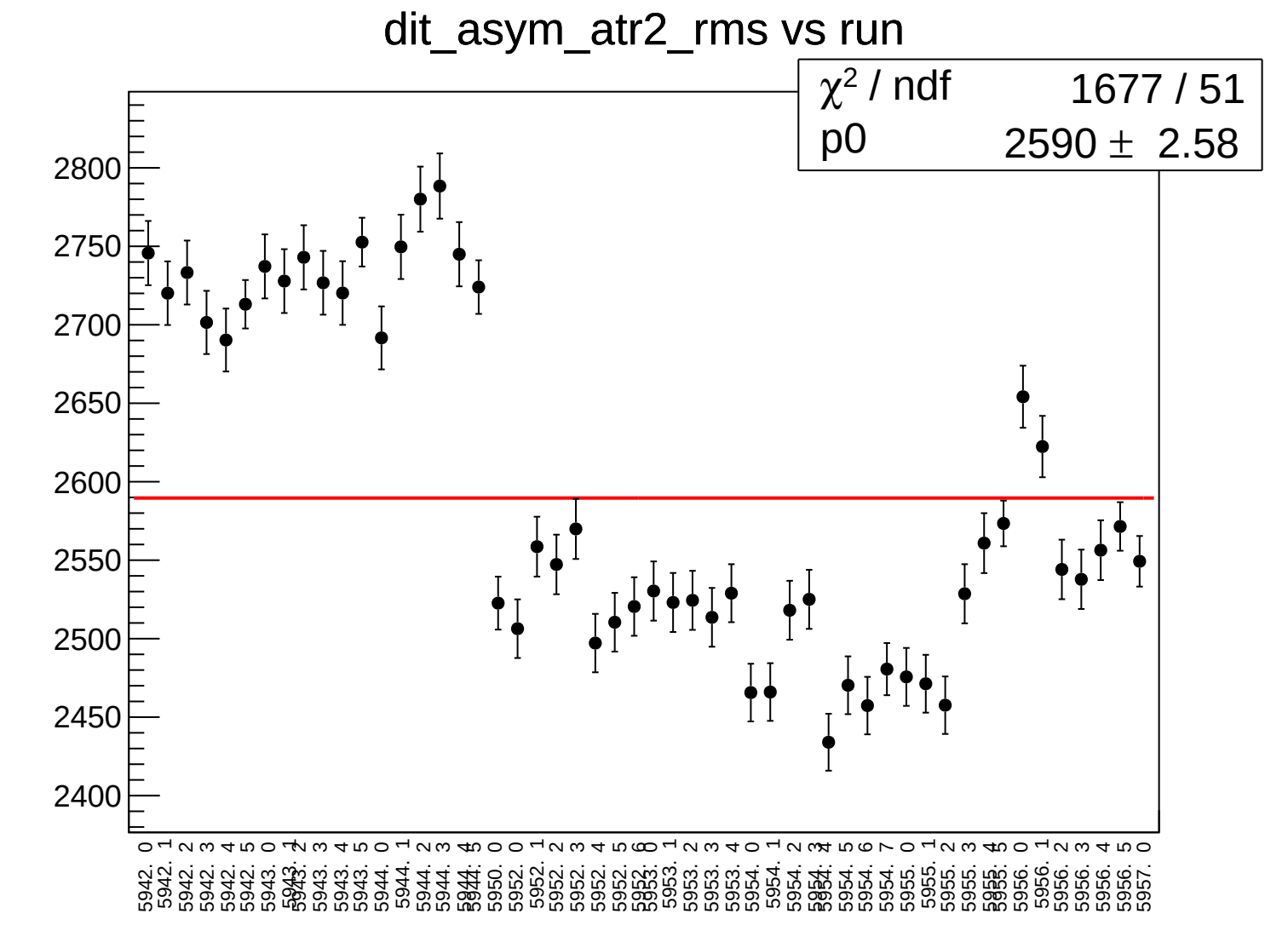

asym_atr1_mean vs run
×10^3
χ² / ndf 44.16 / 51
p0 4285 ± 4035
100
50
0
−50
−100
pull
Entries 52
Mean 42.01
Std Dev 72.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

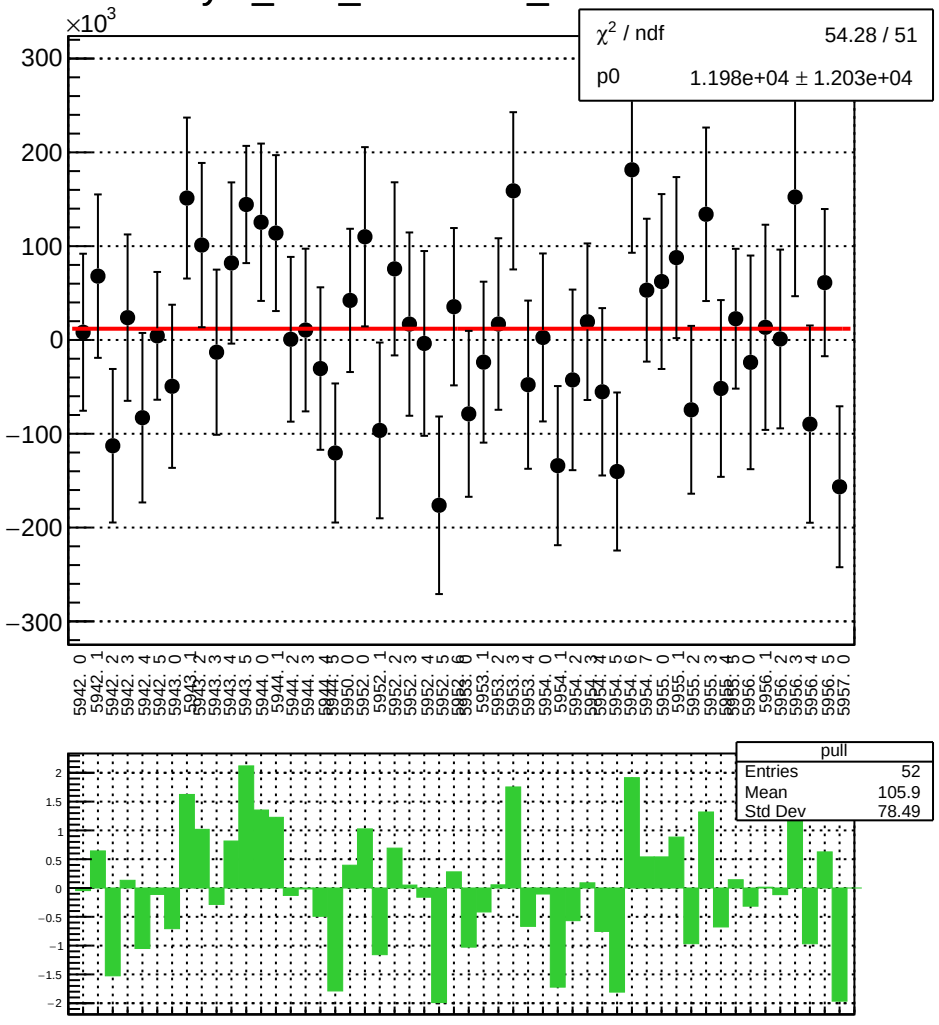

pull1D
Entries 52
Mean −0.005794
Std Dev 0.9216
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

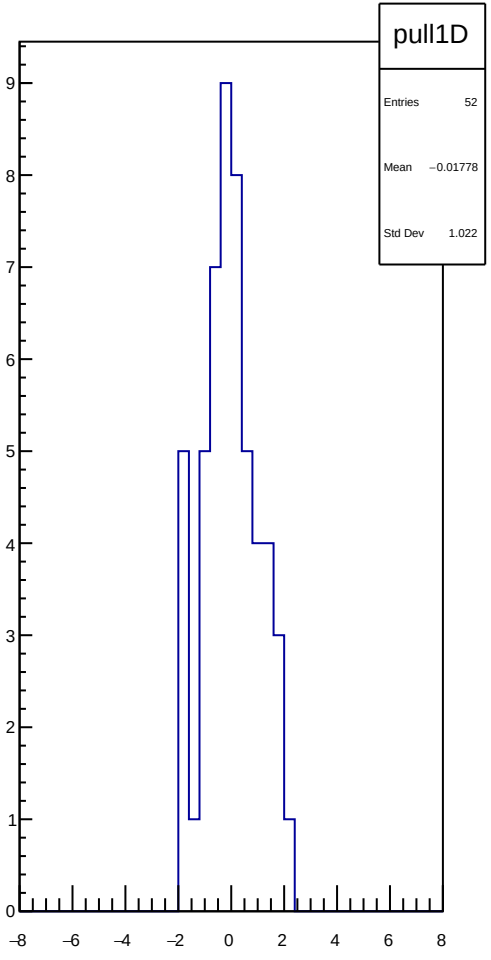

asym_atr1_rms vs run
χ² / ndf 1767 / 51
p0 2864 ± 2.853
3100
3000
2900
2800
2700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

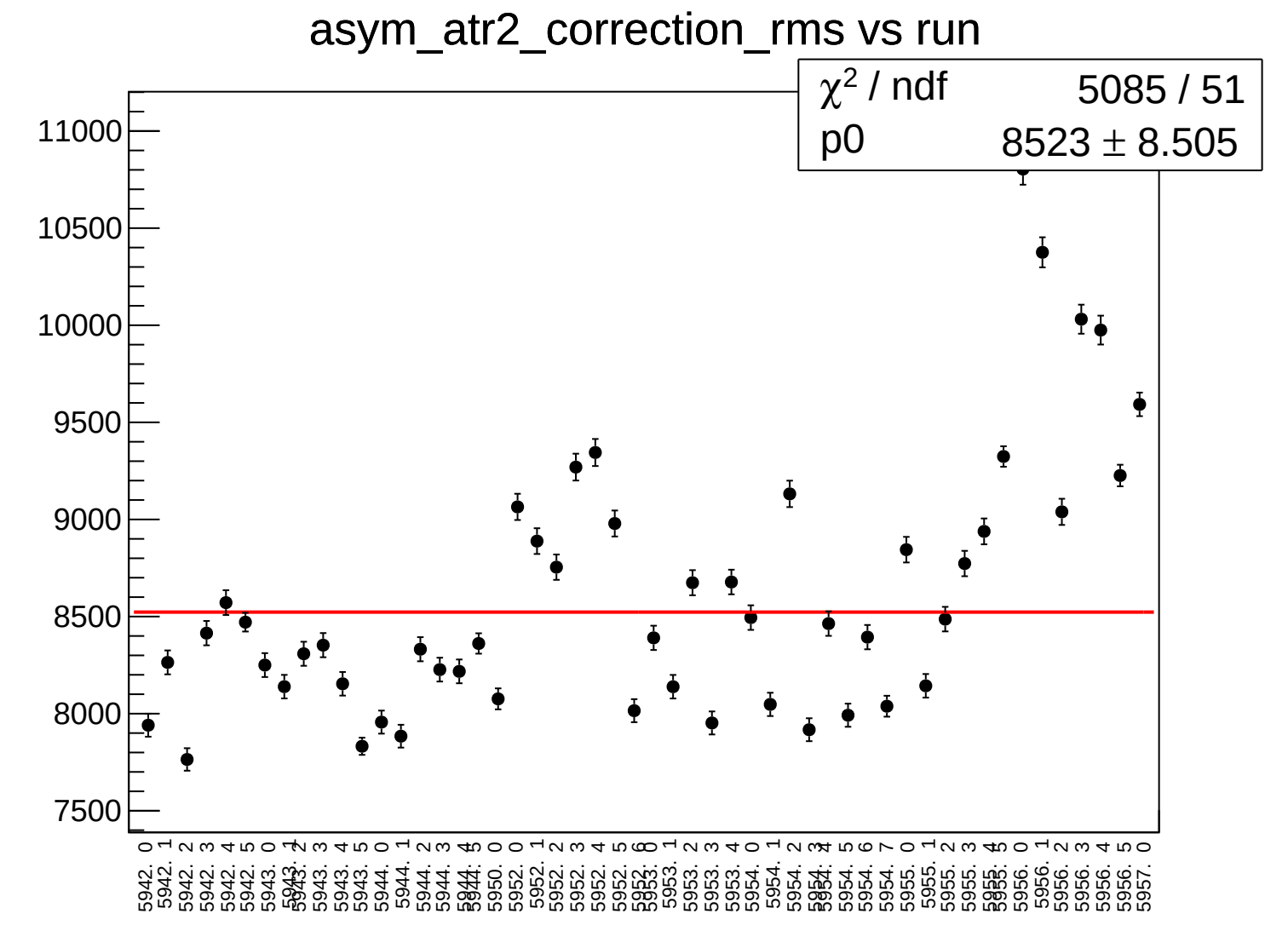

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 62.71 / 51
p0 3886 ± 3648
100
50
0
−50
−100
pull
Entries 52
Mean −566.9
Std Dev 589
3
2
1
0
−1
−2
−3

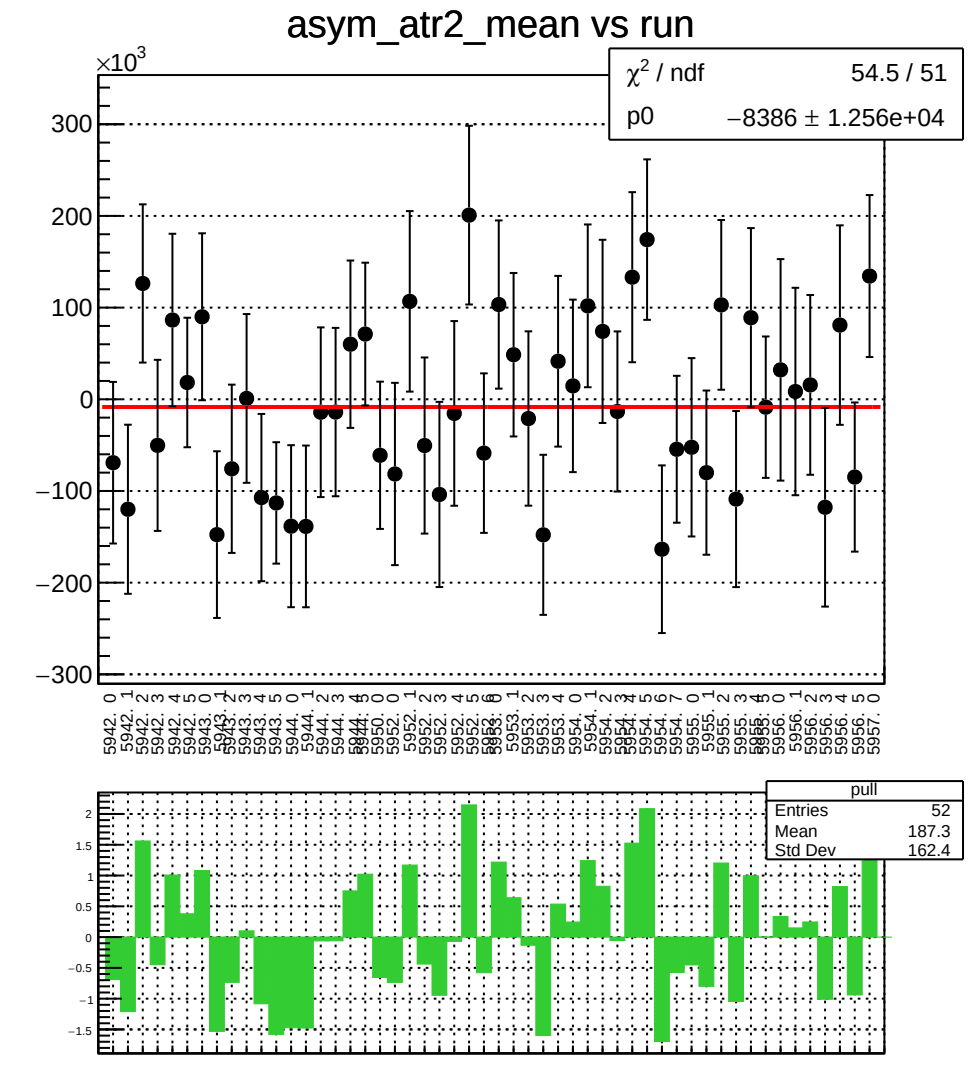

pull1D
Entries 52
Mean −0.006904
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

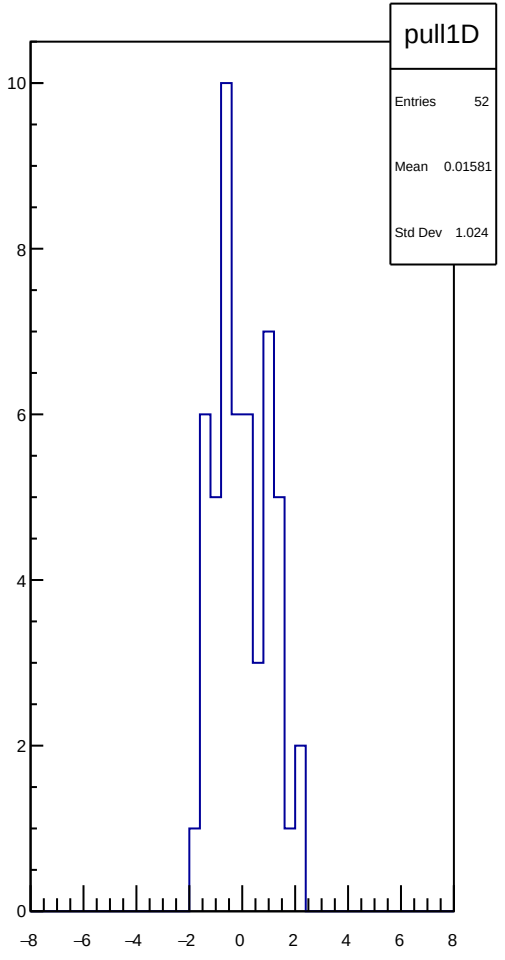

dit_asym_atr2_rms vs run
χ² / ndf 1677 / 51
p0 2590 ± 2.58
2800
2750
2700
2650
2600
2550
2500
2450
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

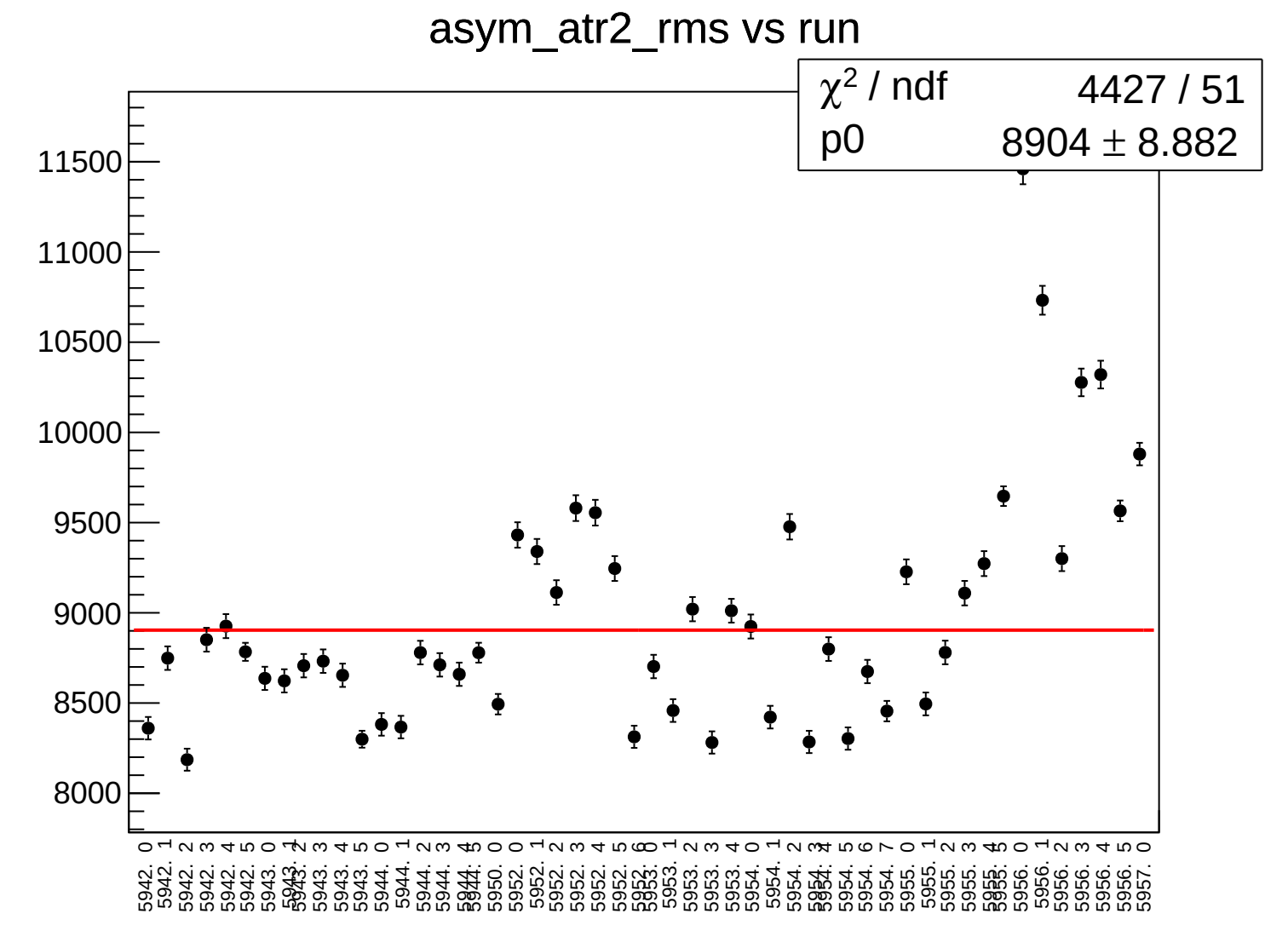

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 54.28 / 51
p0 1.198e+04 ± 1.203e+04
pull
Entries 52
Mean 105.9
Std Dev 78.49

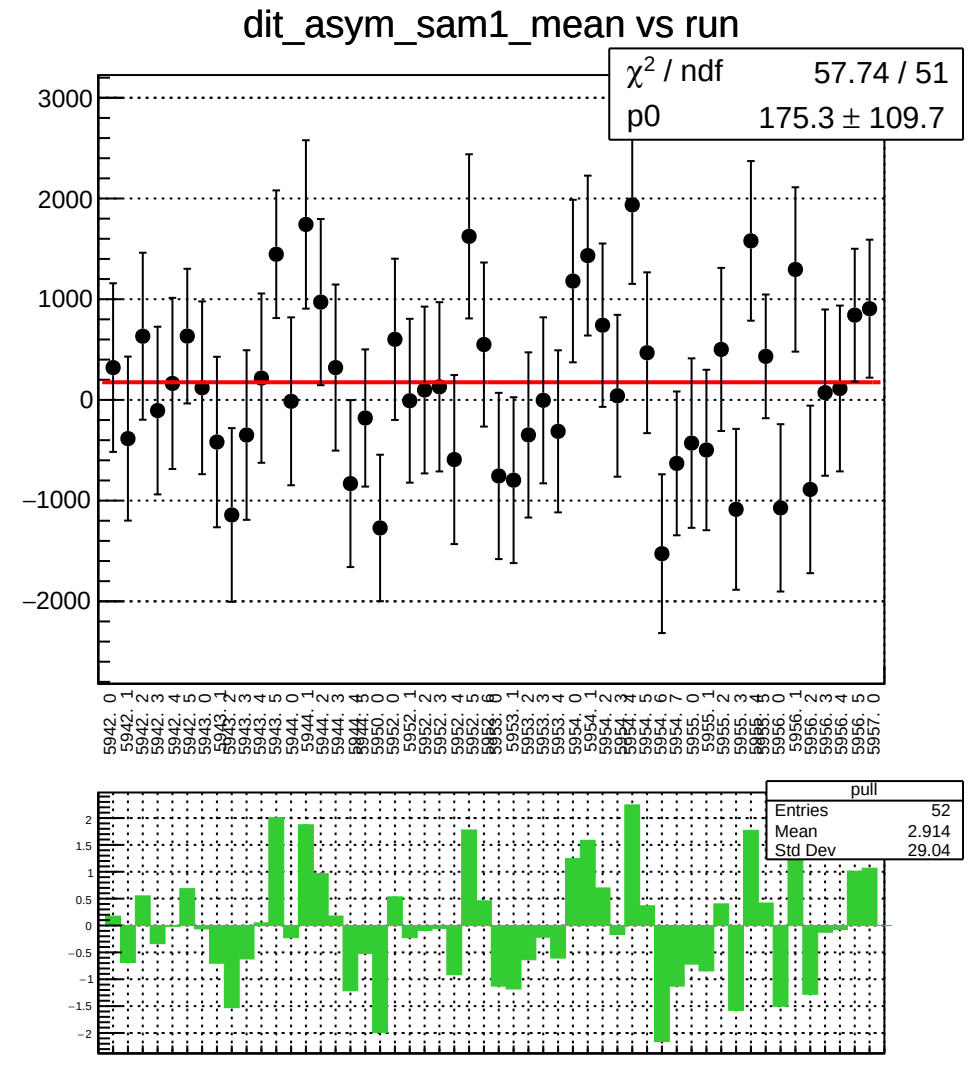

pull1D
Entries 52
Mean −0.01778
Std Dev 1.022

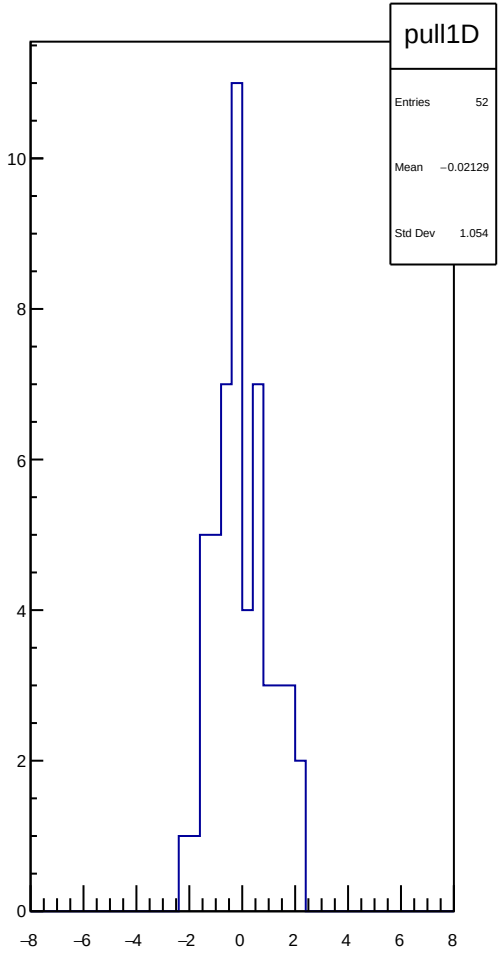

asym_atr2_correction_rms vs run
χ² / ndf 5085 / 51
p0 8523 ± 8.505
11000
10500
10000
9500
9000
8500
8000
7500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

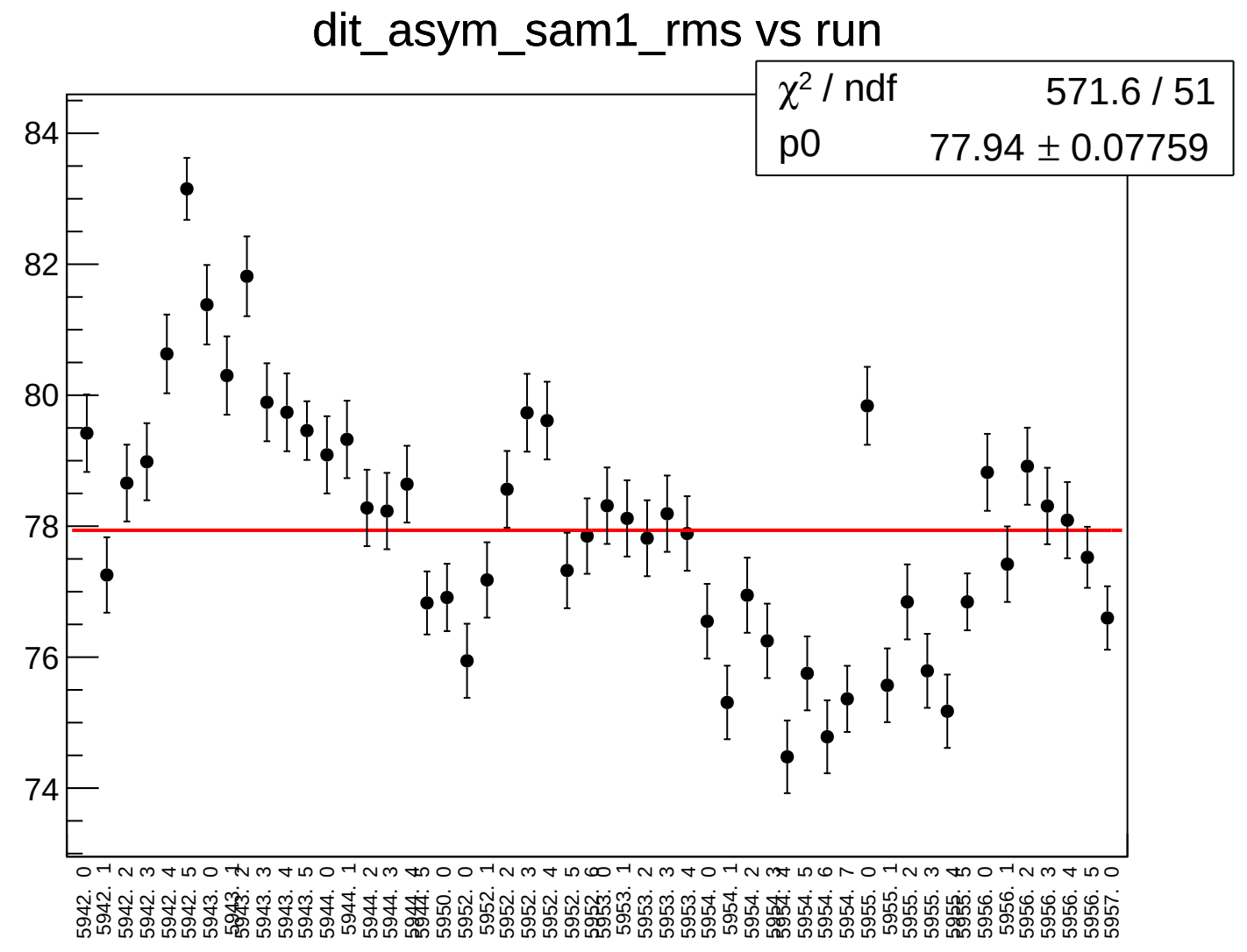

asym_atr2_mean vs run
×10^3
χ² / ndf 54.5 / 51
p0 −8386 ± 1.256e+04
300
200
100
0
−100
−200
−300
pull
Entries 52
Mean 187.3
Std Dev 162.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

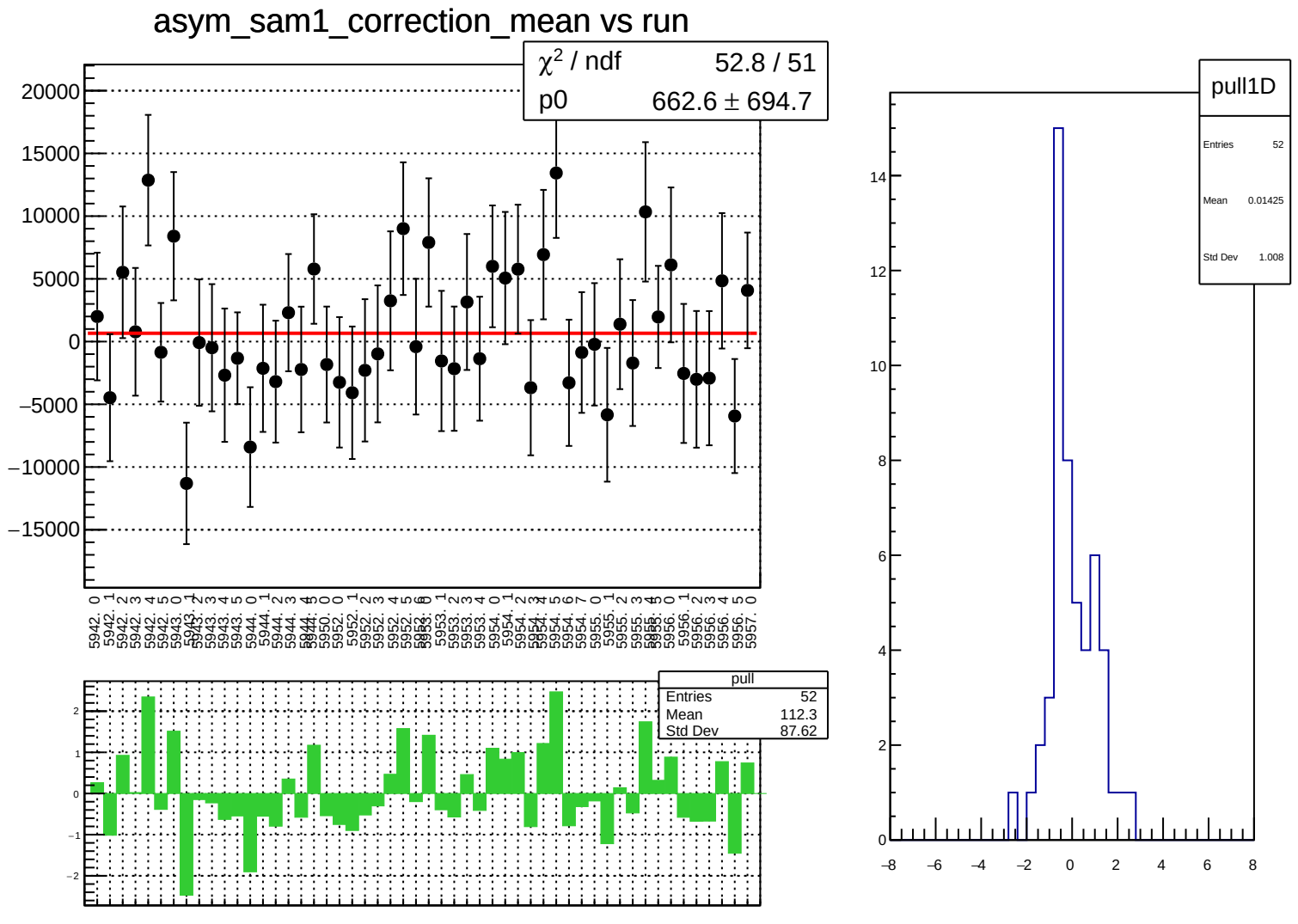

pull1D
Entries 52
Mean 0.01581
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

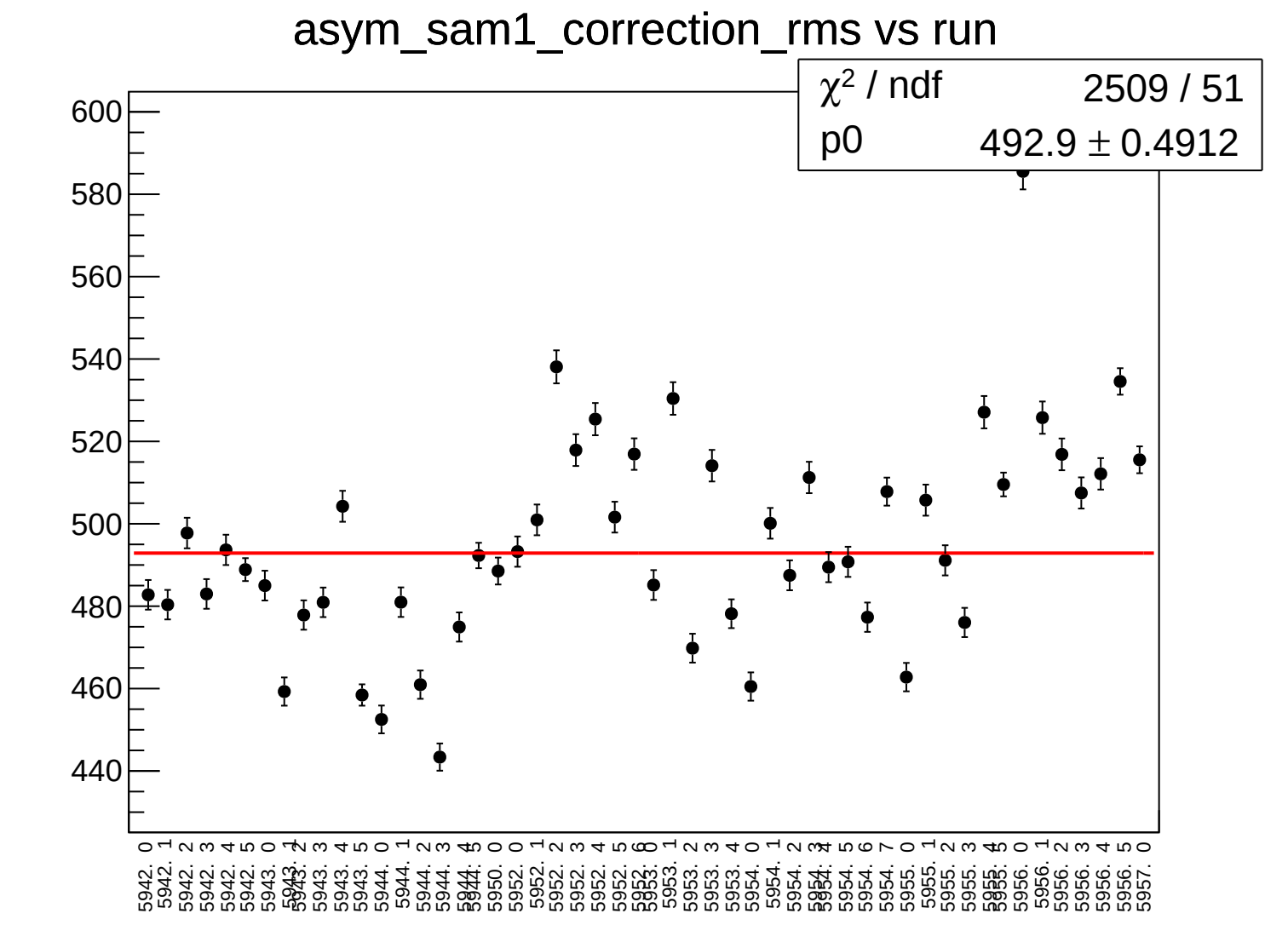

asym_atr2_rms vs run
χ² / ndf 4427 / 51
p0 8904 ± 8.882
11500
11000
10500
10000
9500
9000
8500
8000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

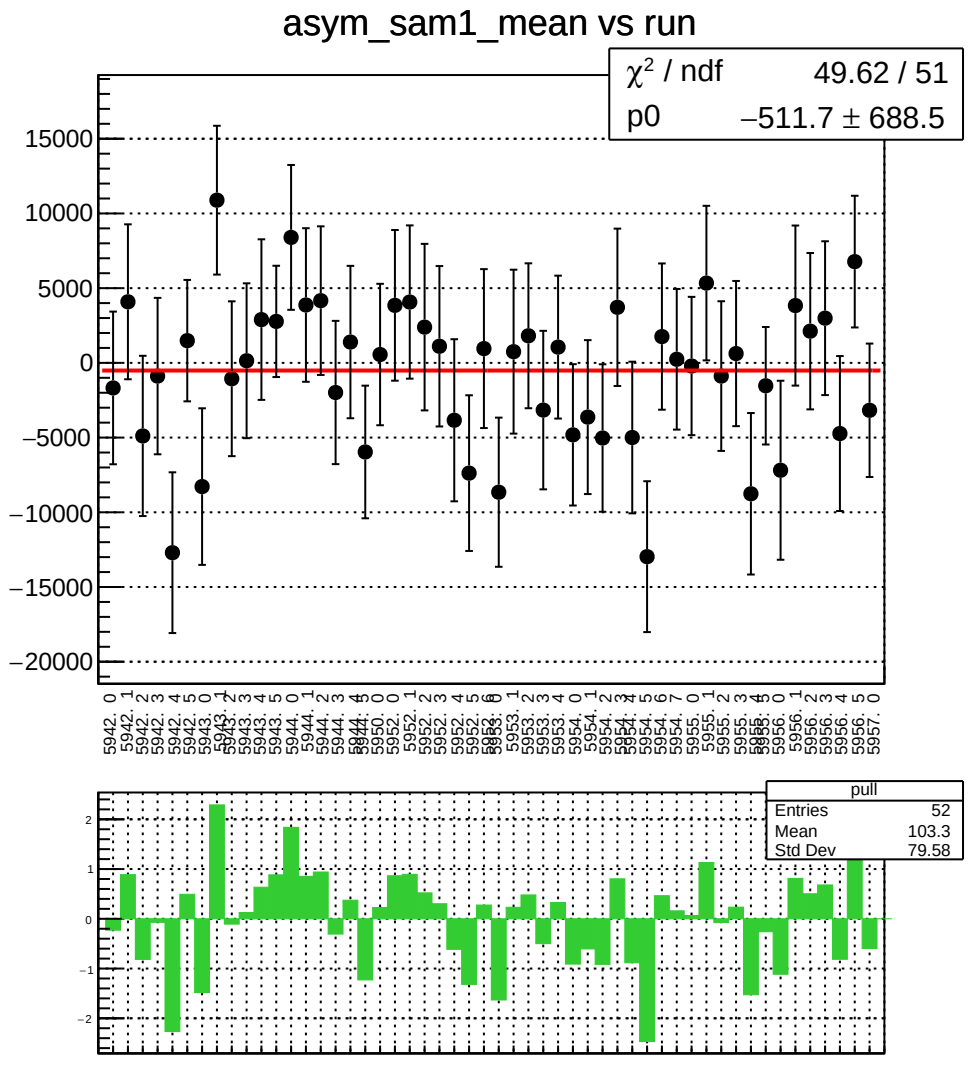

dit_asym_sam1_mean vs run
χ² / ndf 57.74 / 51
p0 175.3 ± 109.7
pull
Entries 52
Mean 2.914
Std Dev 29.04

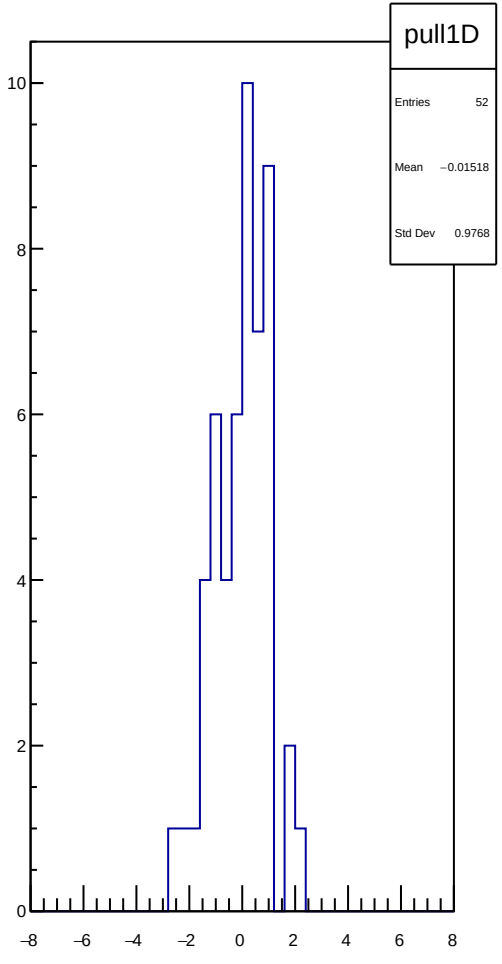

pull1D
Entries 52
Mean −0.02129
Std Dev 1.054

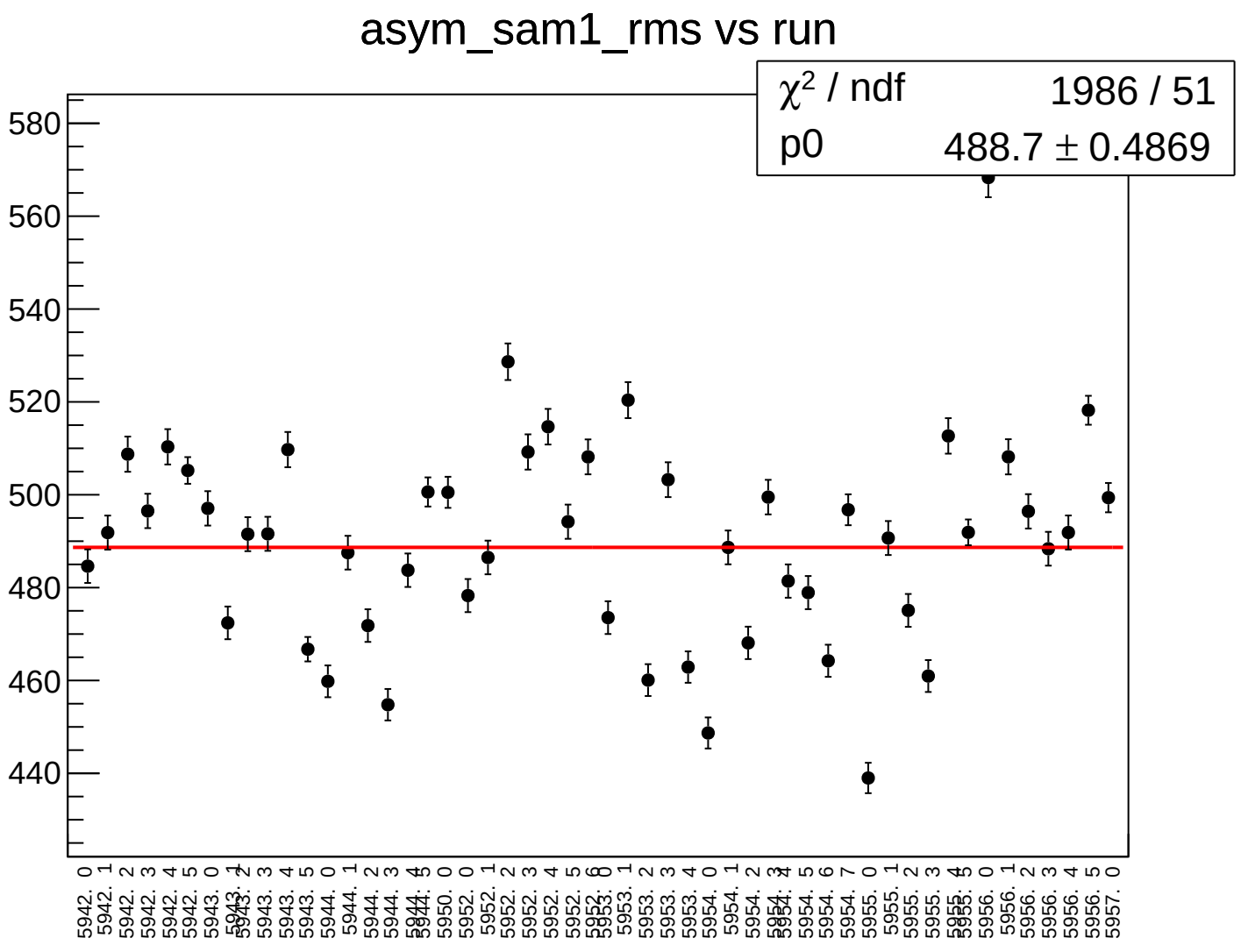

dit_asym_sam1_rms vs run
χ² / ndf 571.6 / 51
p0 77.94 ± 0.07759
84
82
80
78
76
74
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

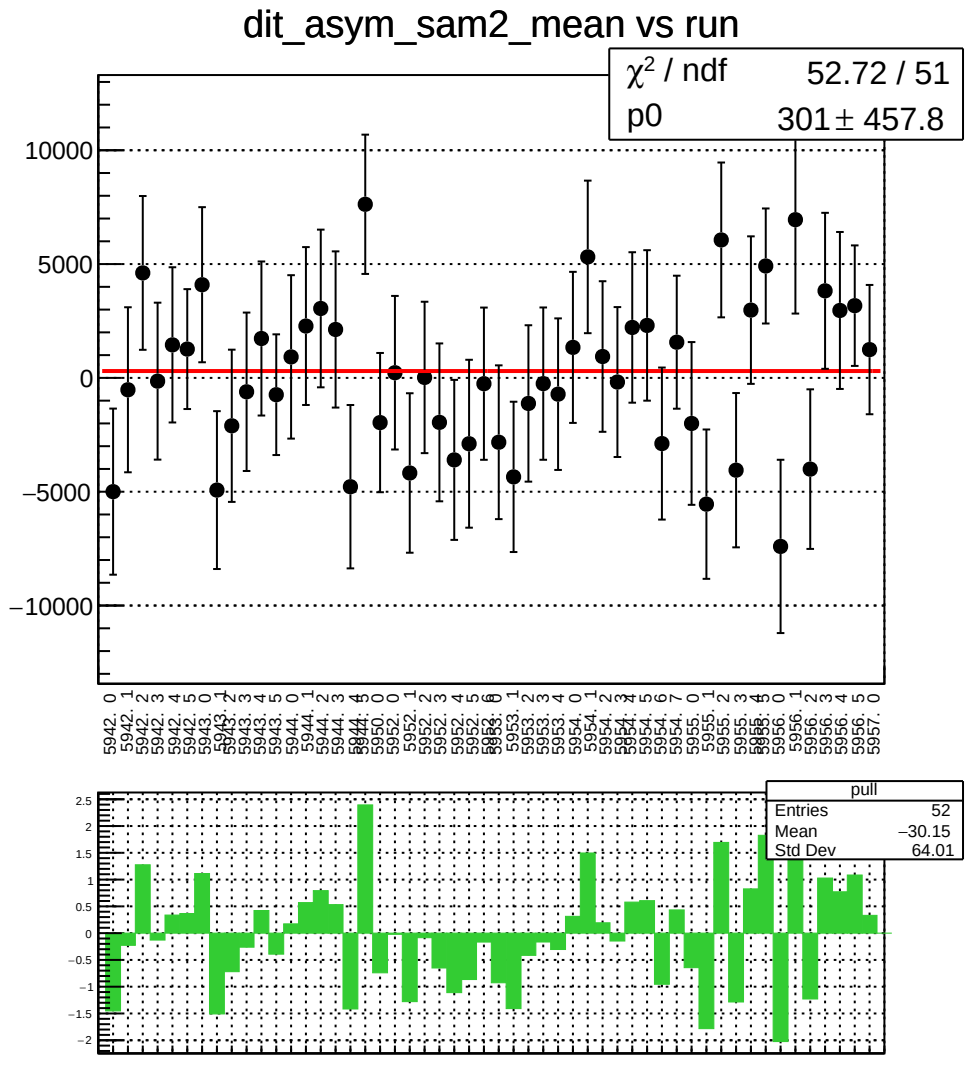

asym_sam1_correction_mean vs run
χ² / ndf 52.8 / 51
p0 662.6 ± 694.7
pull
Entries 52
Mean 112.3
Std Dev 87.62
pull1D
Entries 52
Mean 0.01425
Std Dev 1.008

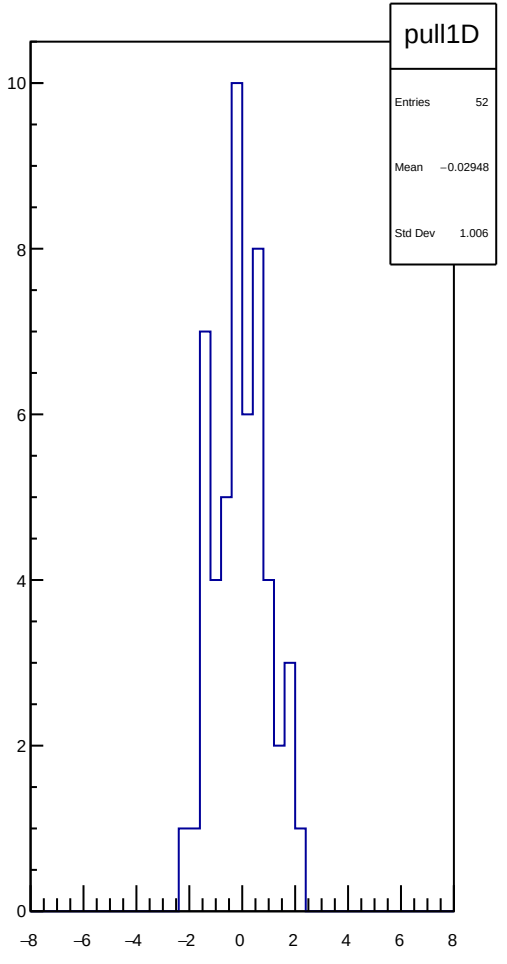

asym_sam1_correction_rms vs run
χ² / ndf 2509 / 51
p0 492.9 ± 0.4912
600
580
560
540
520
500
480
460
440
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

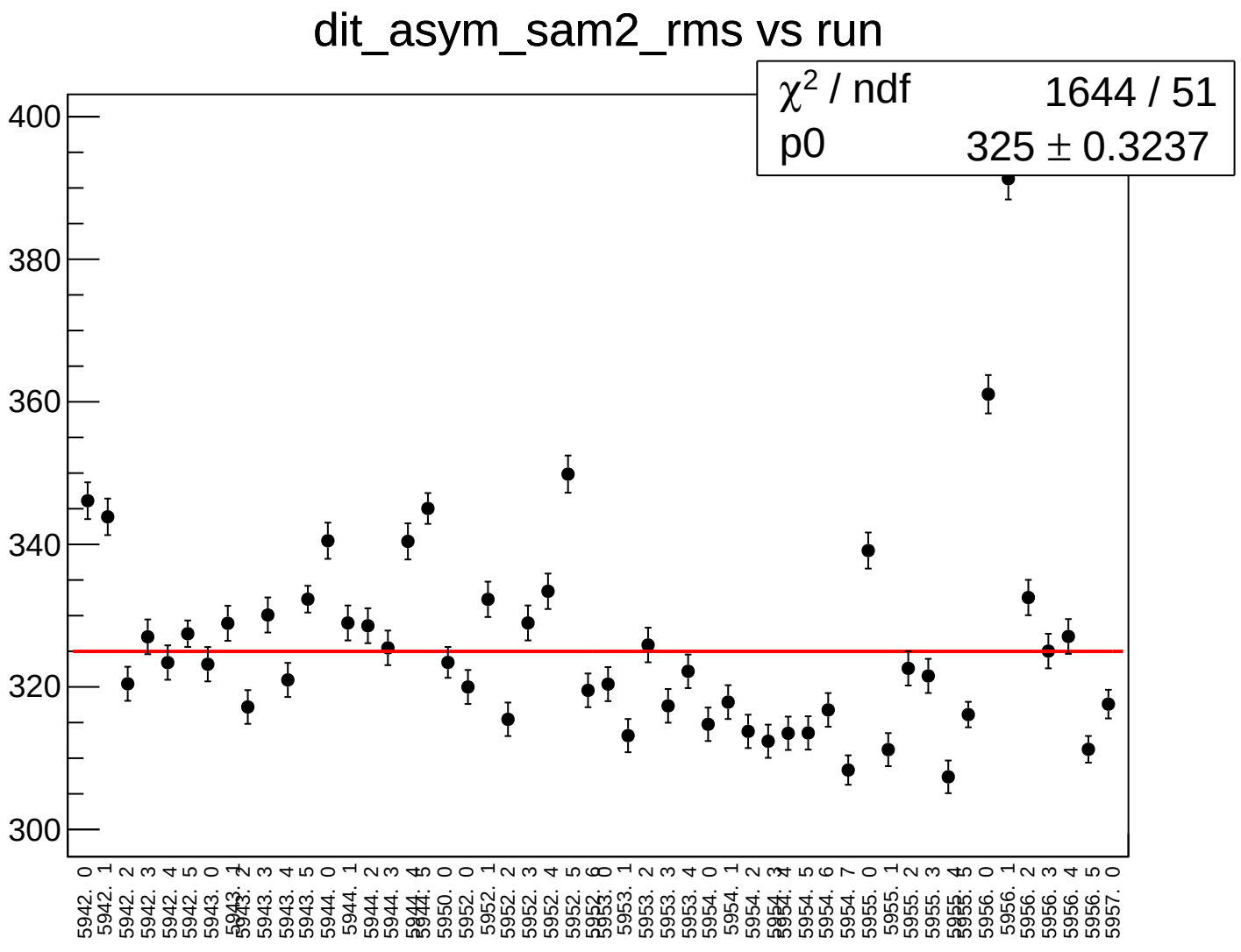

asym_sam1_mean vs run
χ² / ndf 49.62 / 51
p0 −511.7 ± 688.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 103.3
Std Dev 79.58
2
1
0
−1
−2

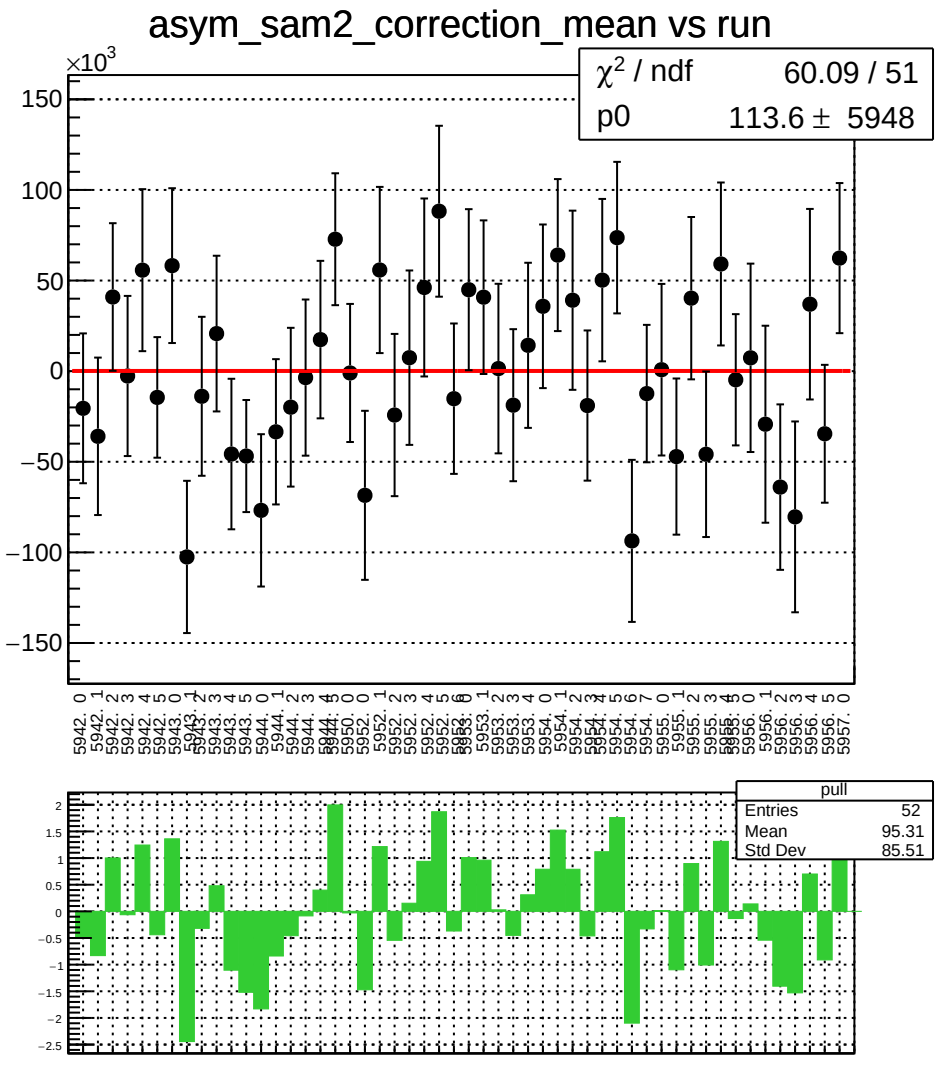

pull1D
Entries 52
Mean −0.01518
Std Dev 0.9768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

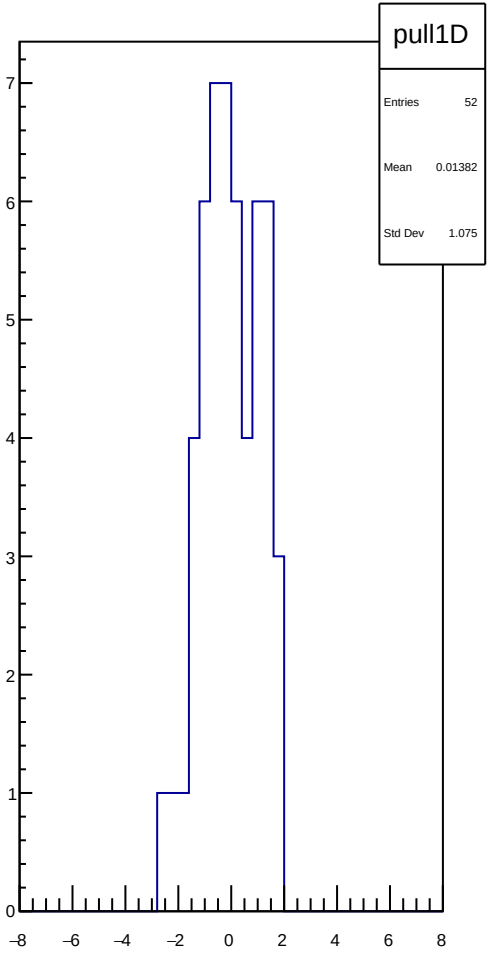

asym_sam1_rms vs run
χ² / ndf 1986 / 51
p0 488.7 ± 0.4869
580
560
540
520
500
480
460
440
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

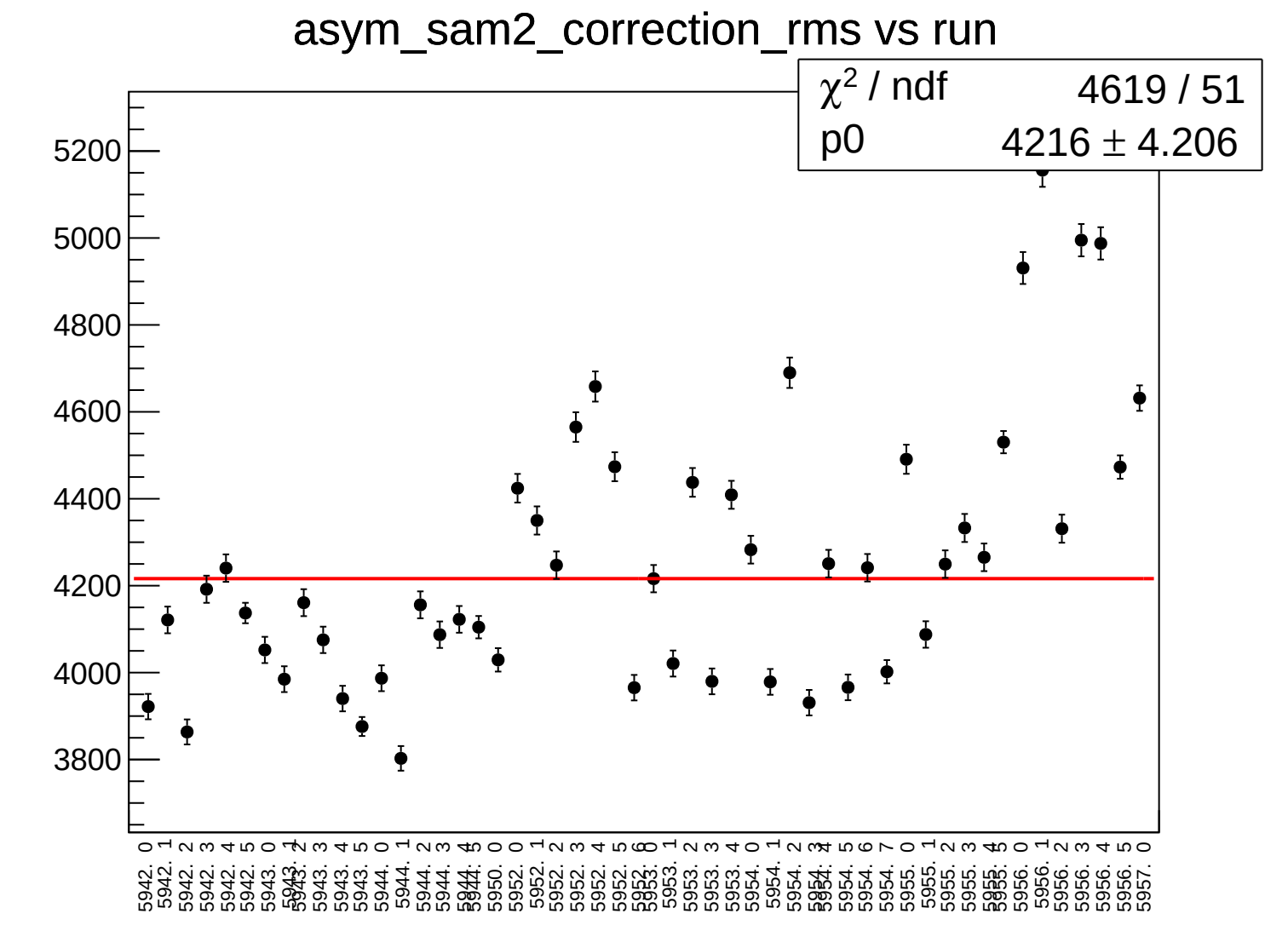

dit_asym_sam2_mean vs run
χ² / ndf 52.72 / 51
p0 301 ± 457.8
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −30.15
Std Dev 64.01
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

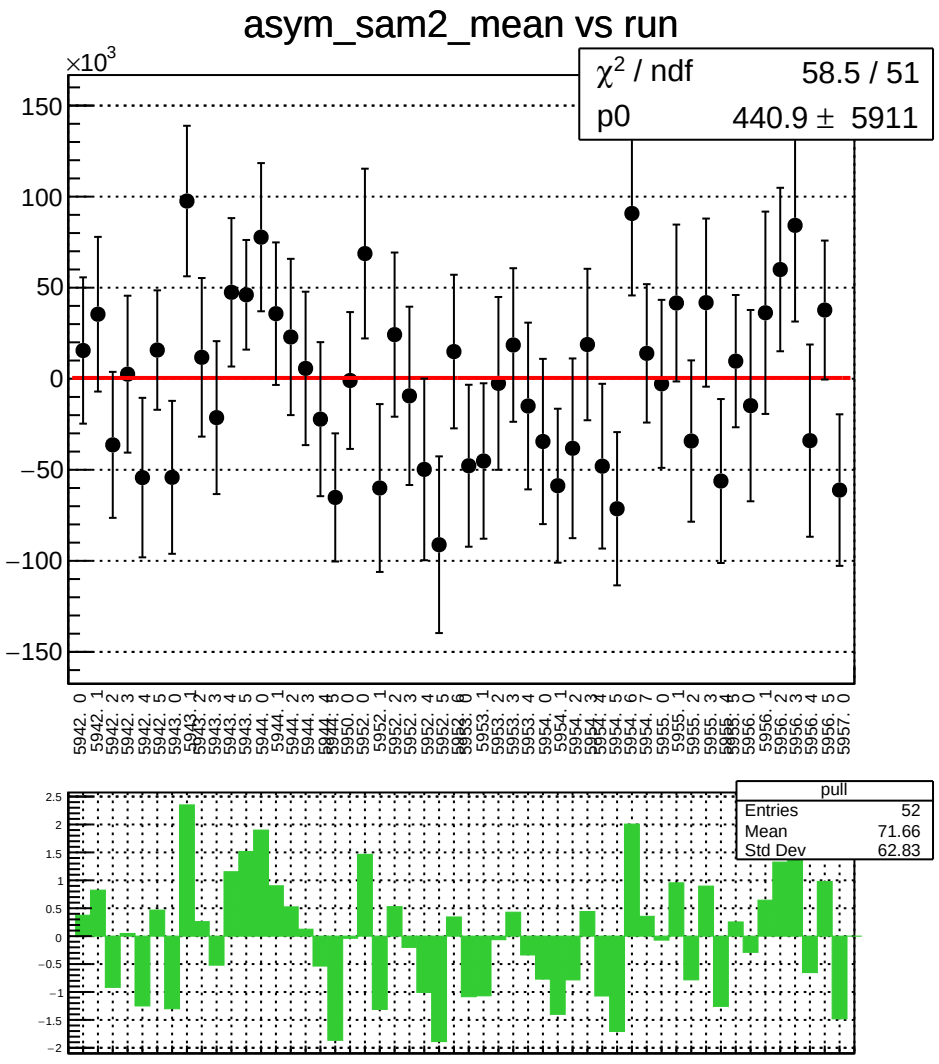

pull1D
Entries 52
Mean −0.02948
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

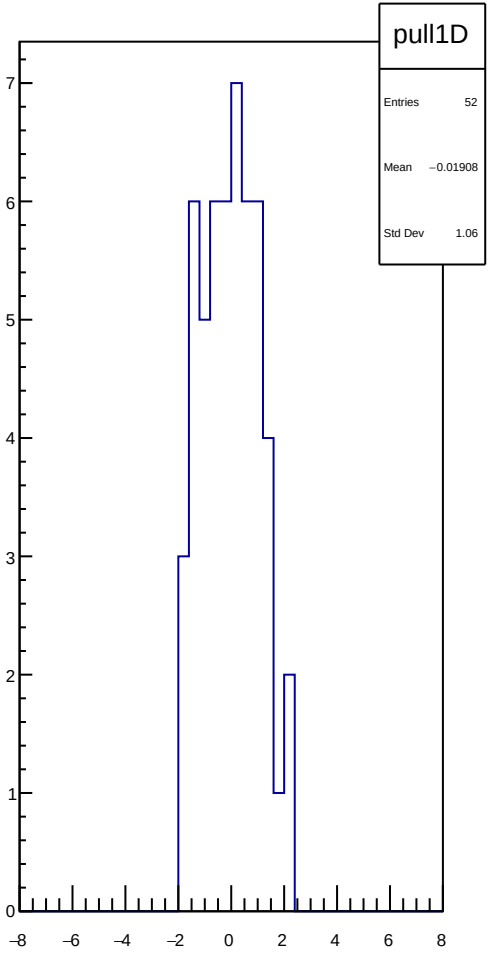

dit_asym_sam2_rms vs run
χ² / ndf 1644 / 51
p0 325 ± 0.3237
400
380
360
340
320
300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

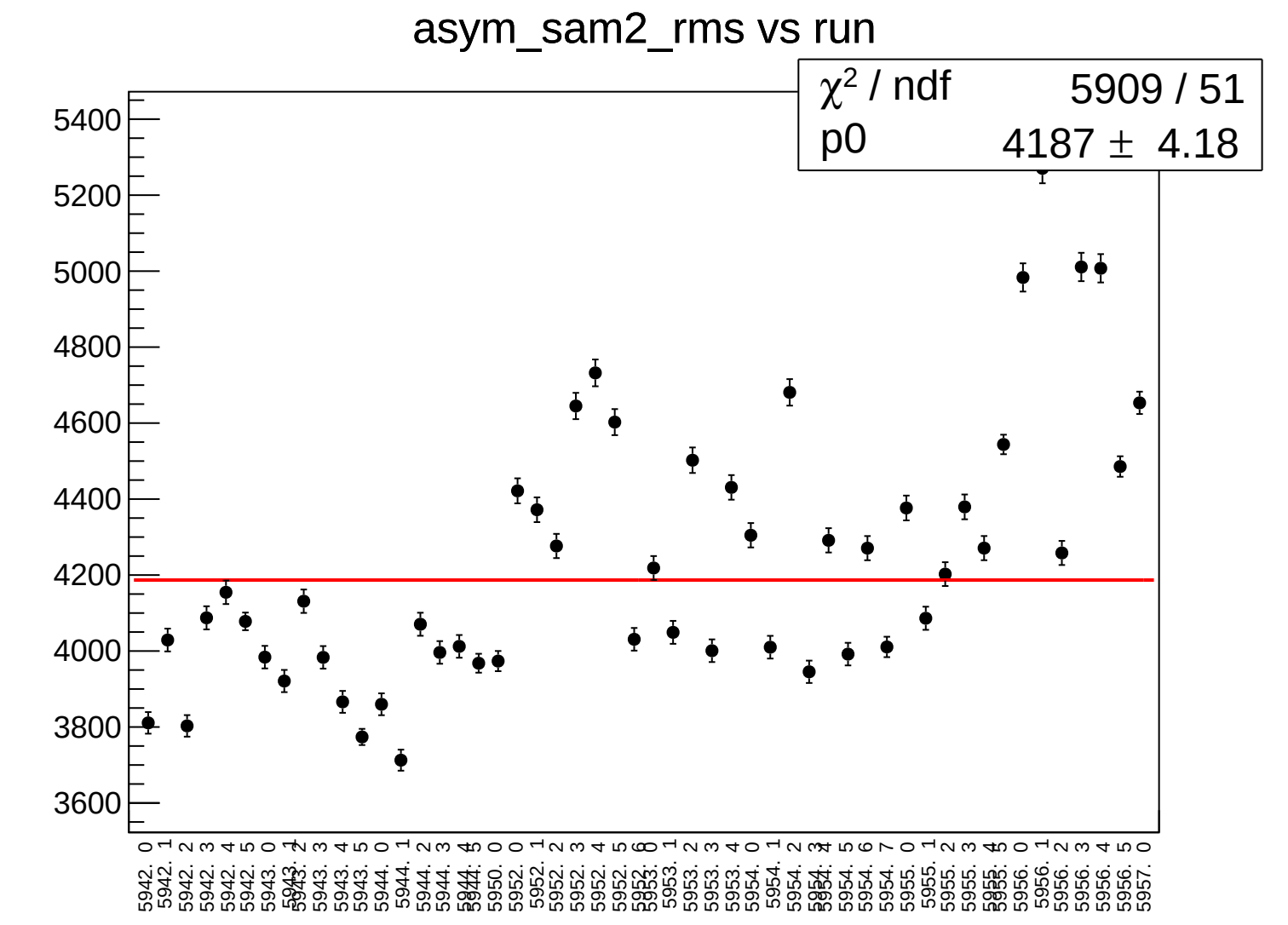

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 60.09 / 51
p0 113.6 ± 5948
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 95.31
Std Dev 85.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

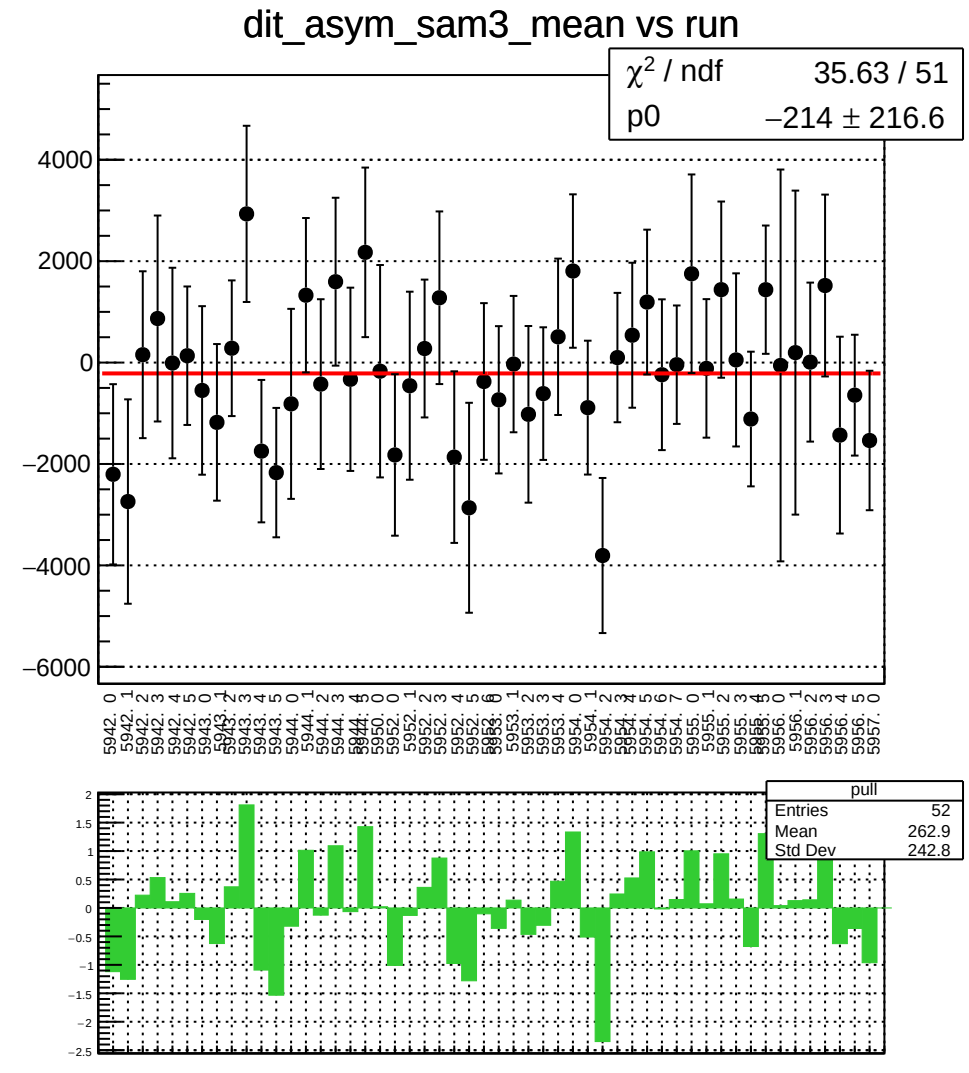

pull1D
Entries 52
Mean 0.01382
Std Dev 1.075
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

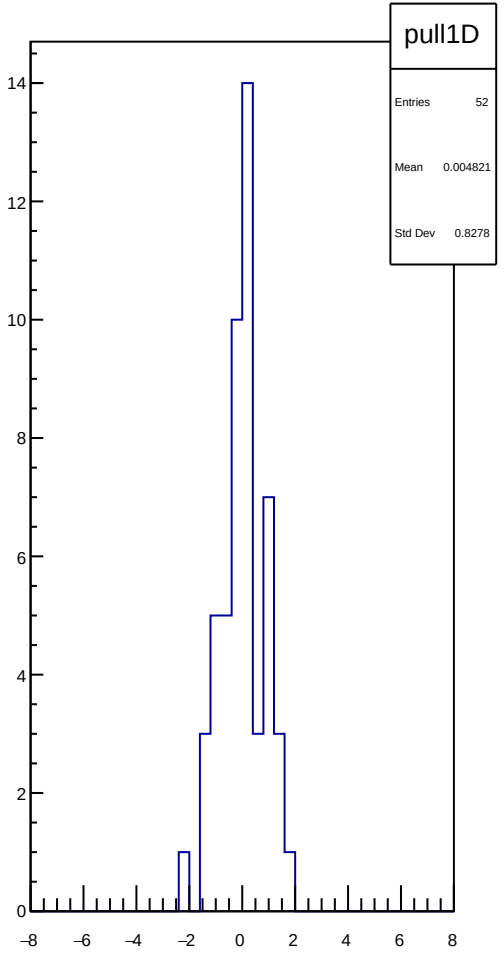

asym_sam2_correction_rms vs run
χ² / ndf 4619 / 51
p0 4216 ± 4.206
5200
5000
4800
4600
4400
4200
4000
3800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

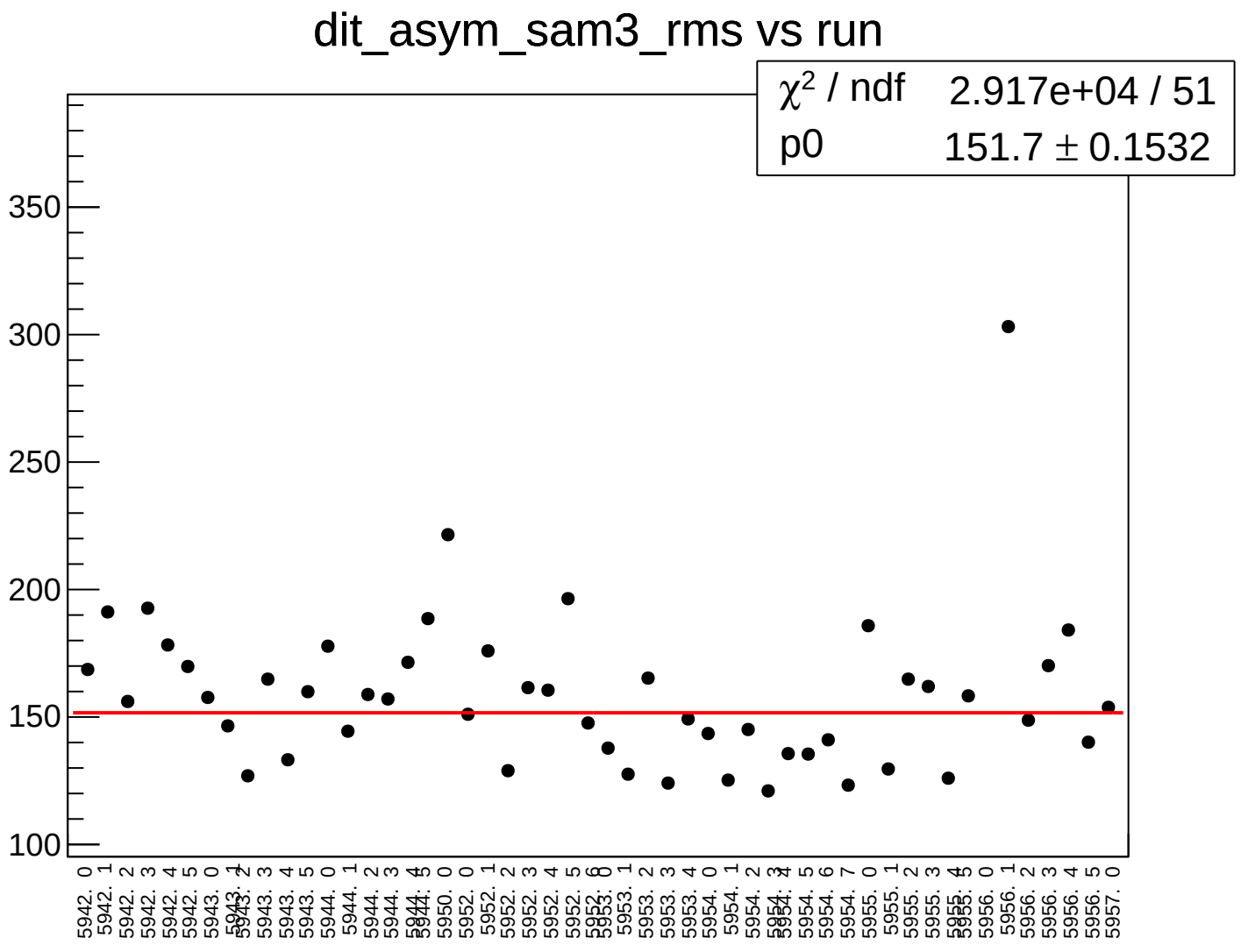

asym_sam2_mean vs run
×10^3
χ^2 / ndf 58.5 / 51
p0 440.9 ± 5911
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 71.66
Std Dev 62.83
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

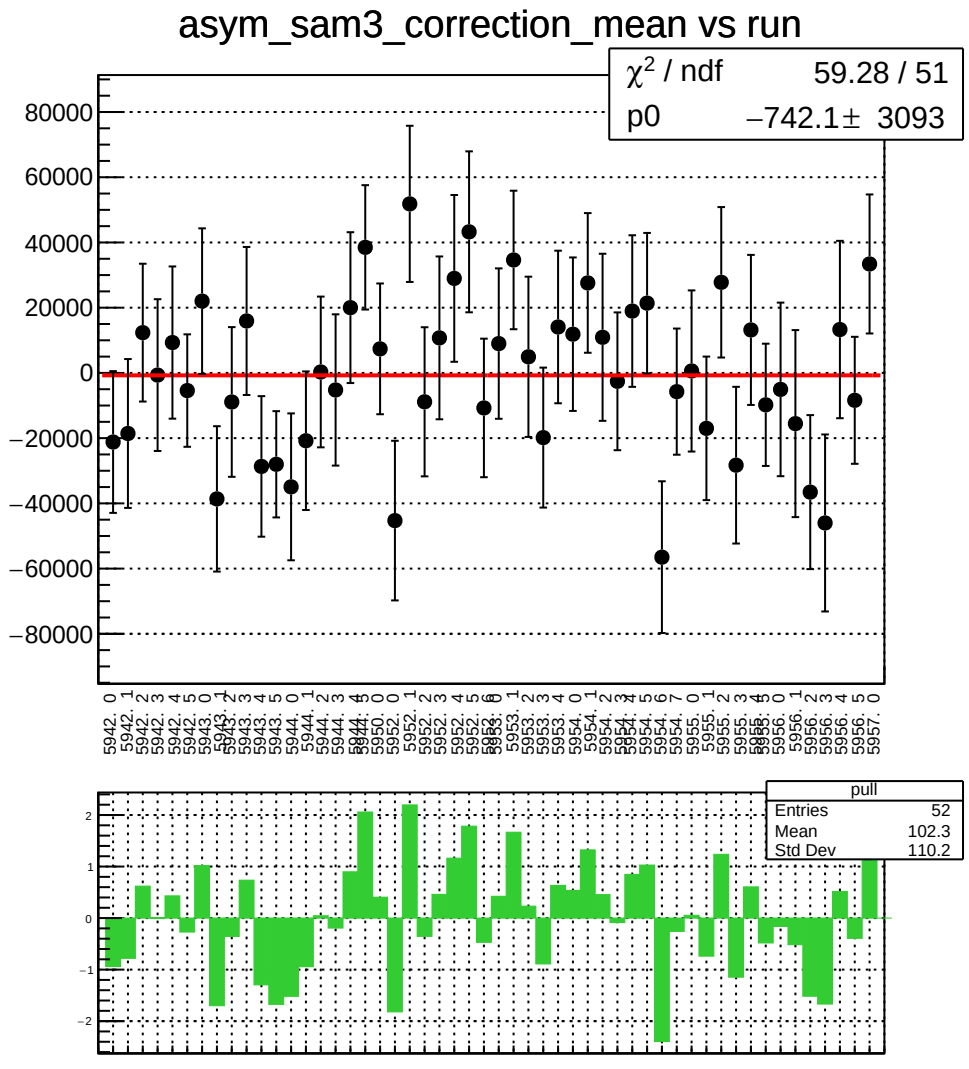

pull1D
Entries 52
Mean −0.01908
Std Dev 1.06
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

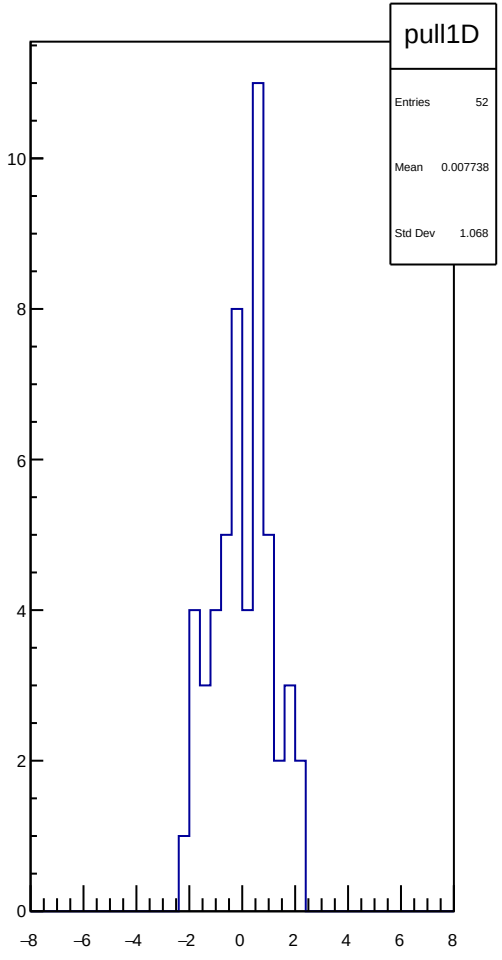

asym_sam2_rms vs run
χ² / ndf 5909 / 51
p0 4187 ± 4.18
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

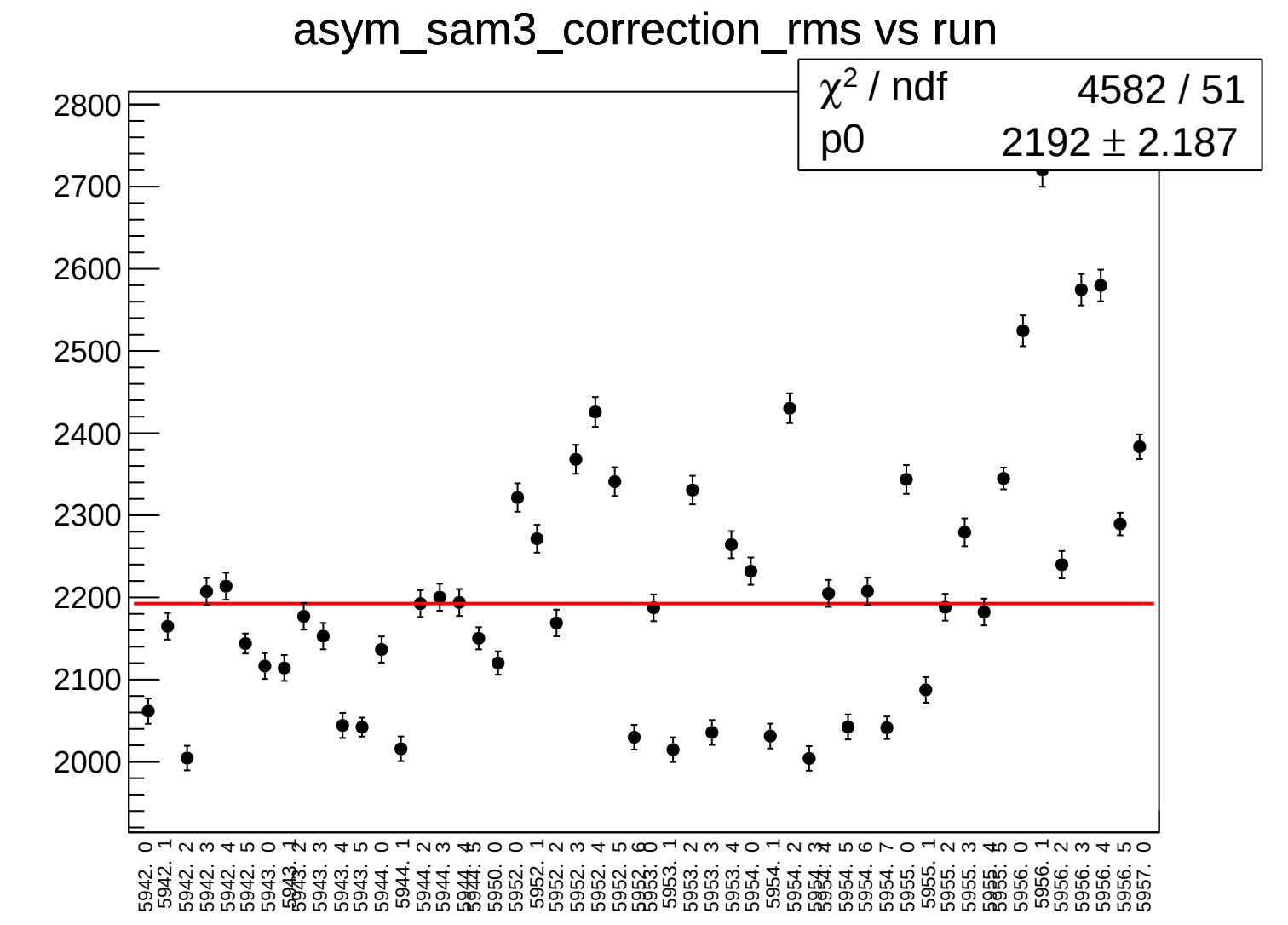

dit_asym_sam3_mean vs run
χ² / ndf 35.63 / 51
p0 −214 ± 216.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean 262.9
Std Dev 242.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

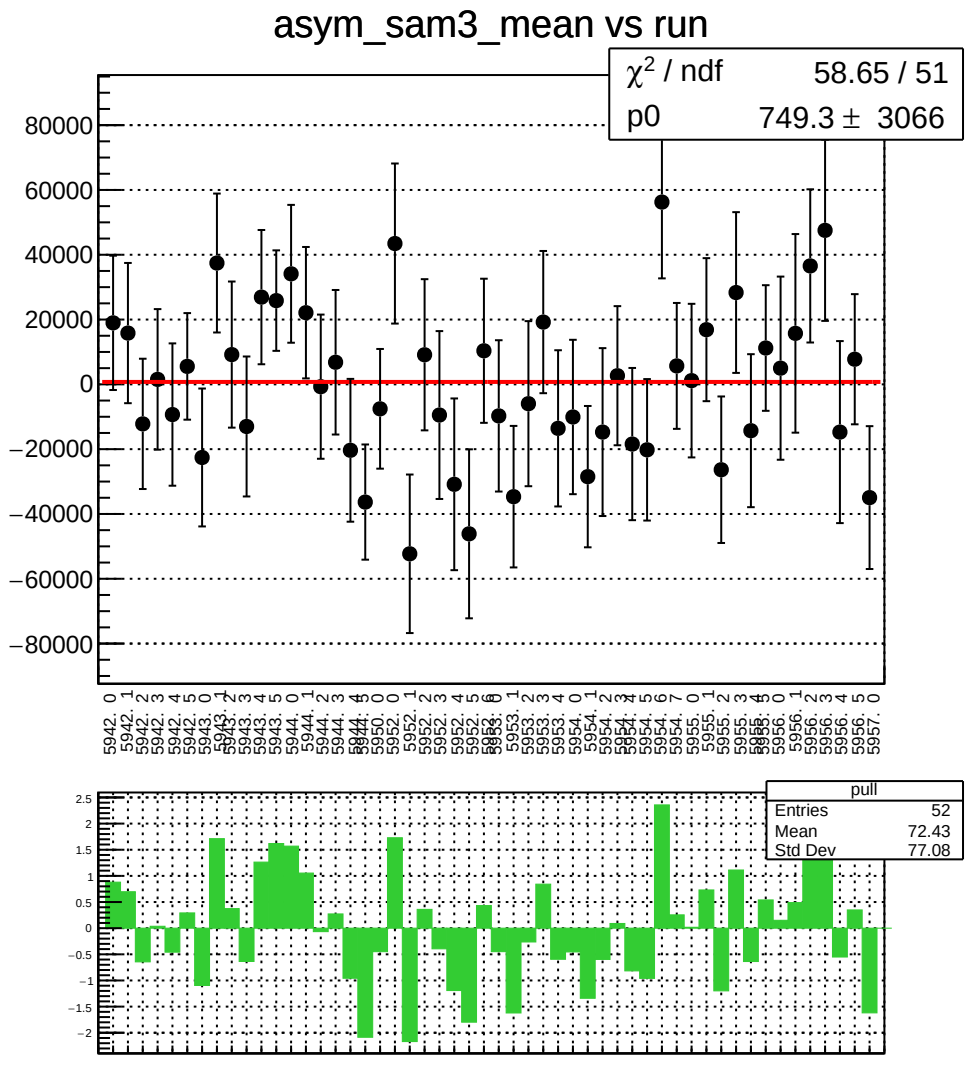

pull1D
Entries 52
Mean 0.004821
Std Dev 0.8278
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

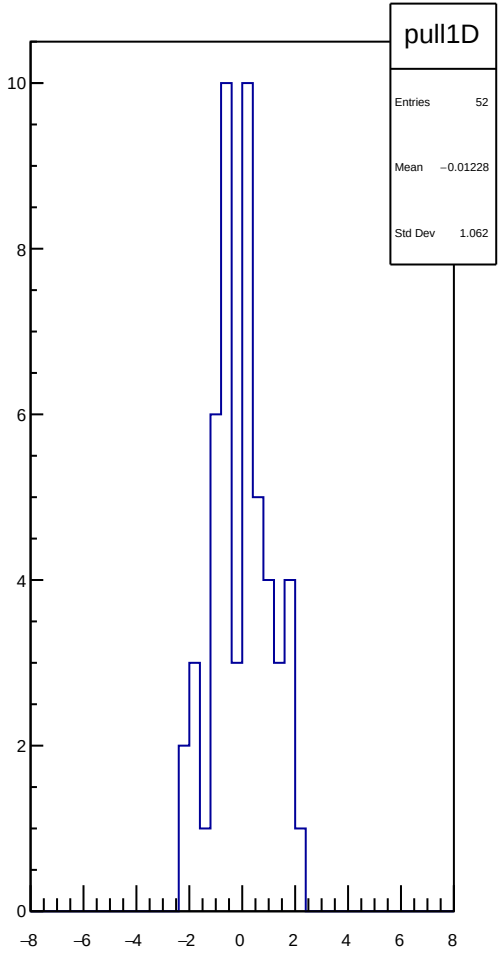

dit_asym_sam3_rms vs run
χ² / ndf 2.917e+04 / 51
p0 151.7 ± 0.1532
350
300
250
200
150
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

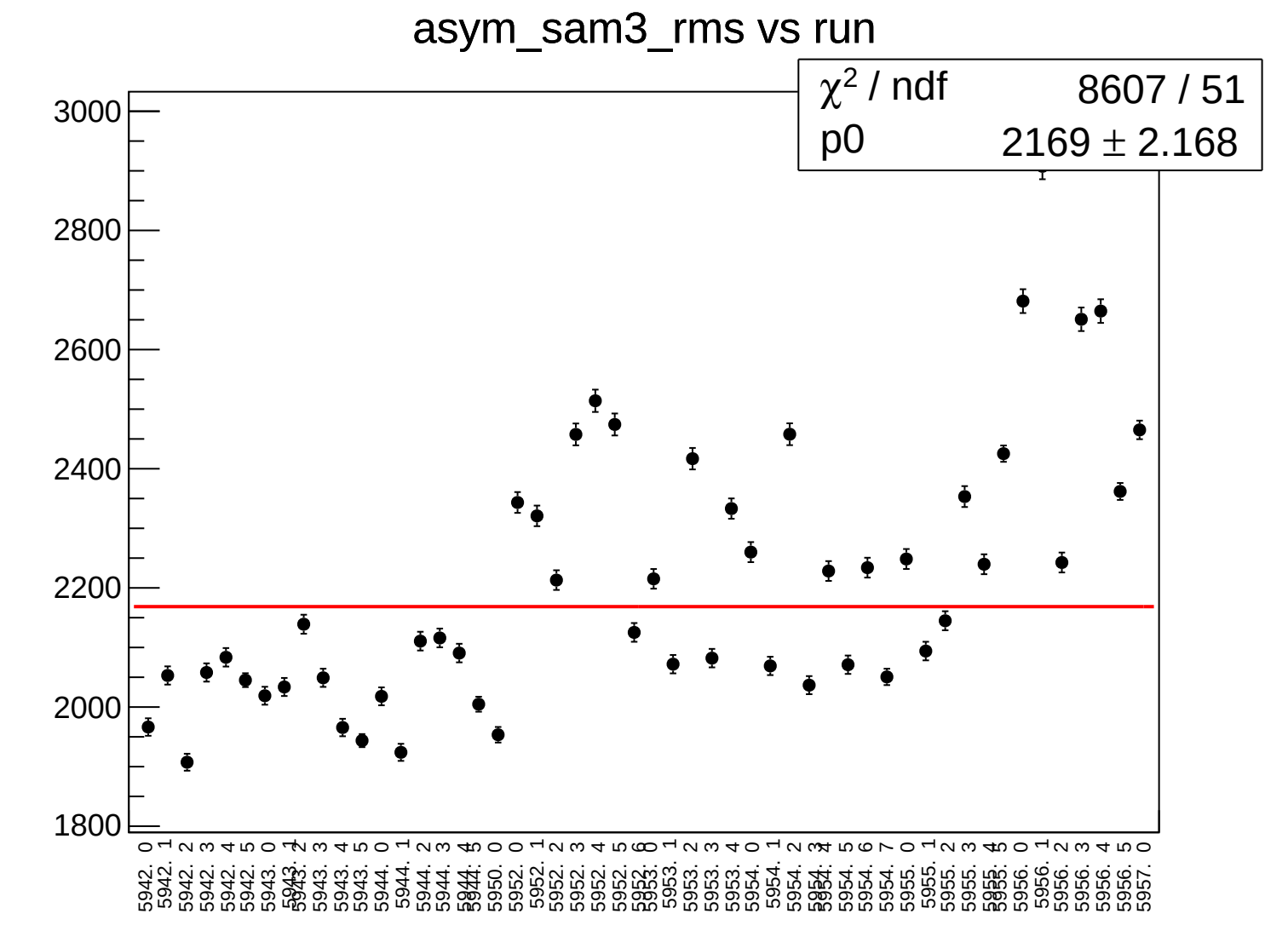

asym_sam3_correction_mean vs run
χ² / ndf 59.28 / 51
p0 −742.1± 3093
pull
Entries 52
Mean 102.3
Std Dev 110.2

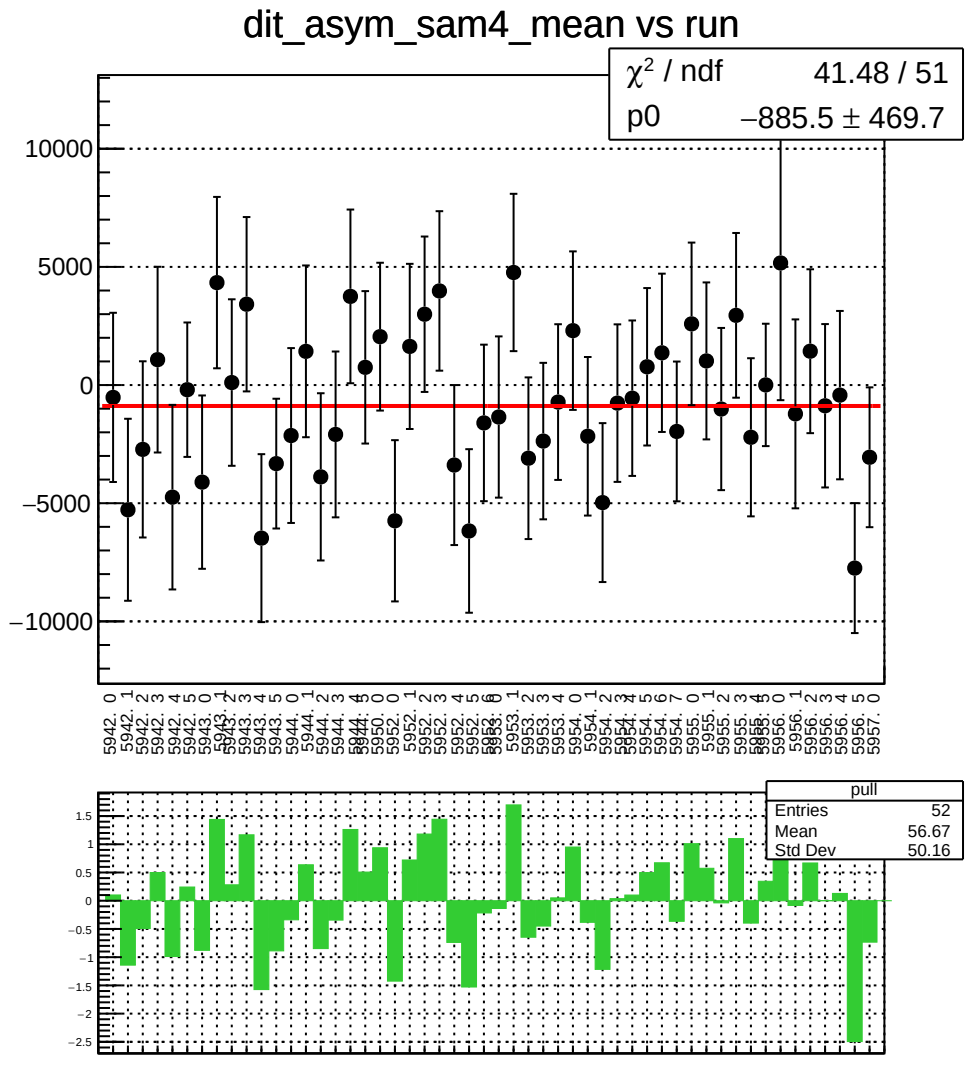

pull1D
Entries 52
Mean 0.007738
Std Dev 1.068

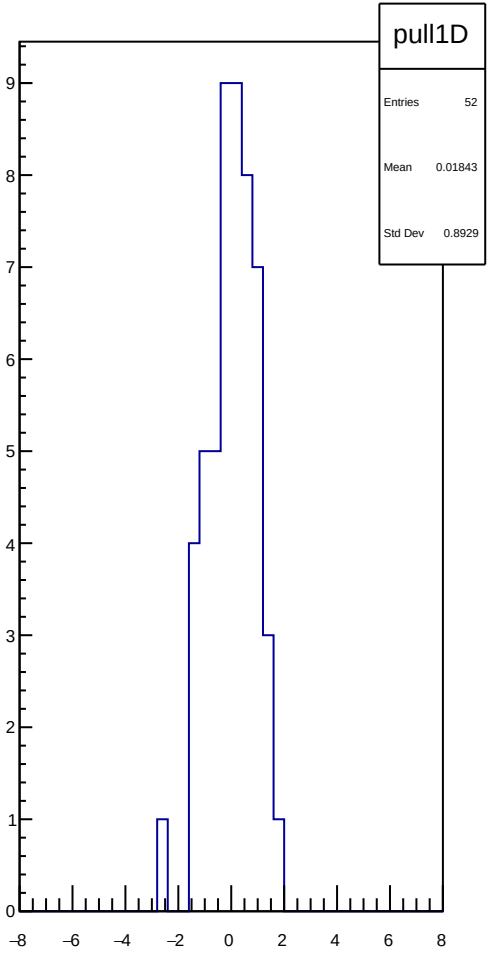

asym_sam3_correction_rms vs run
χ² / ndf 4582 / 51
p0 2192 ± 2.187
2800
2700
2600
2500
2400
2300
2200
2100
2000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

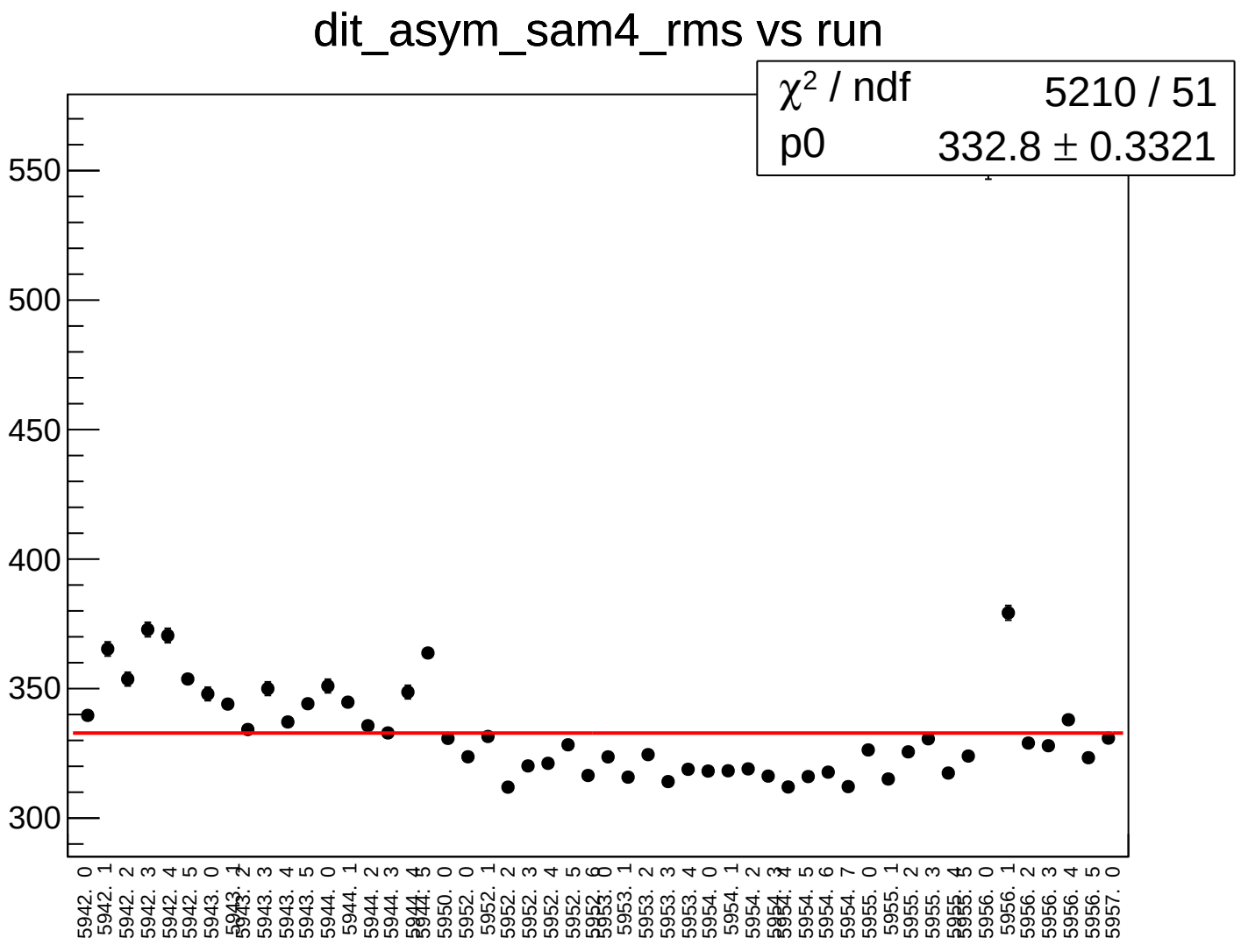

asym_sam3_mean vs run
χ² / ndf 58.65 / 51
p0 749.3 ± 3066
pull
Entries 52
Mean 72.43
Std Dev 77.08

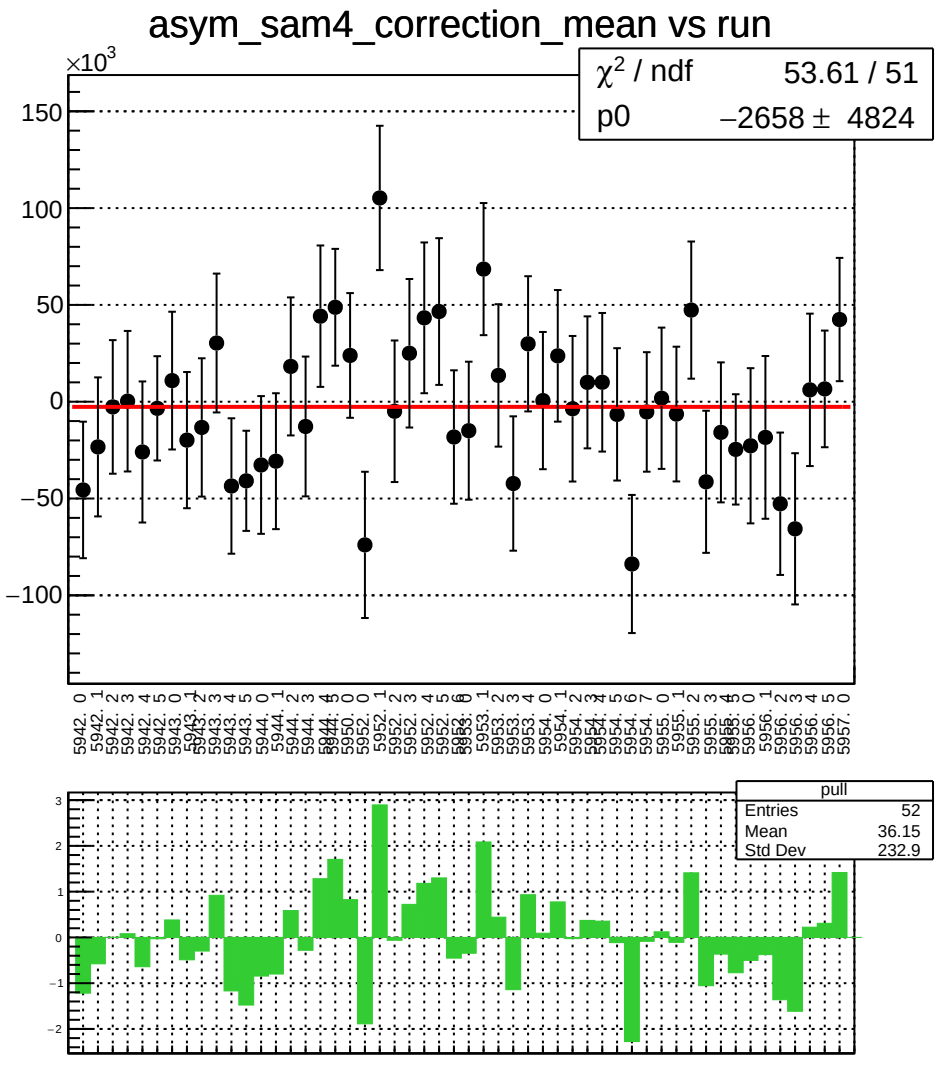

pull1D
Entries 52
Mean −0.01228
Std Dev 1.062

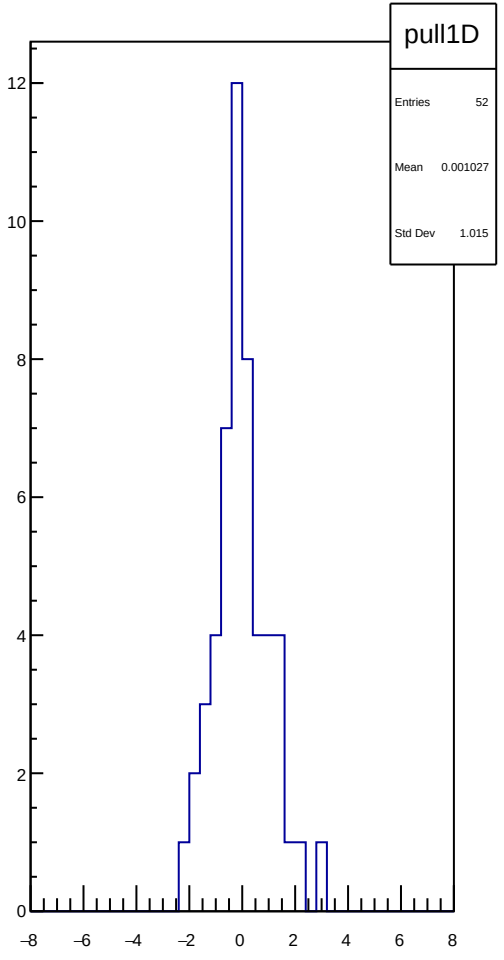

asym_sam3_rms vs run
χ² / ndf 8607 / 51
p0 2169 ± 2.168
3000
2800
2600
2400
2200
2000
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

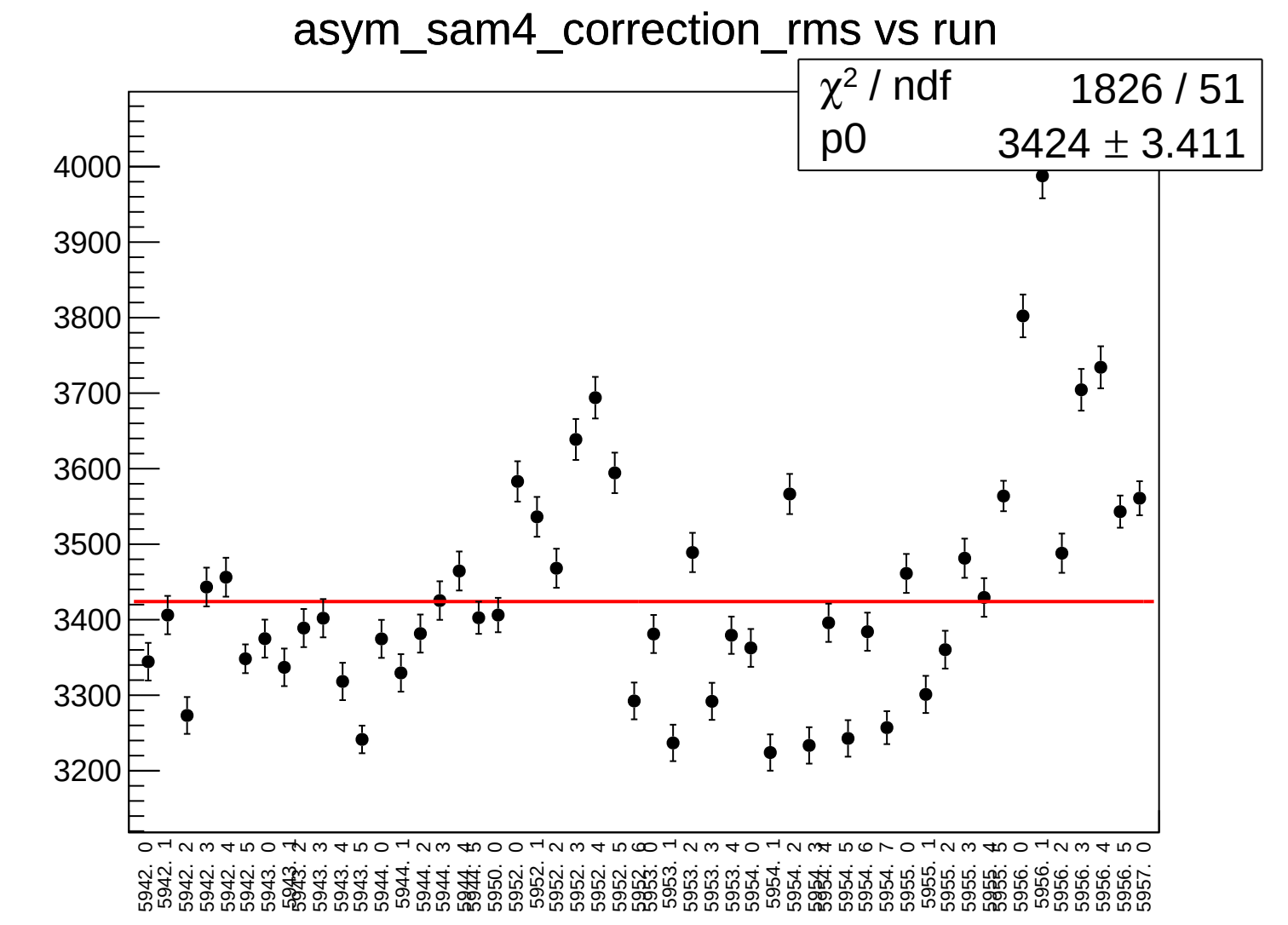

dit_asym_sam4_mean vs run
χ^2 / ndf 41.48 / 51
p0 −885.5 ± 469.7
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 56.67
Std Dev 50.16
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

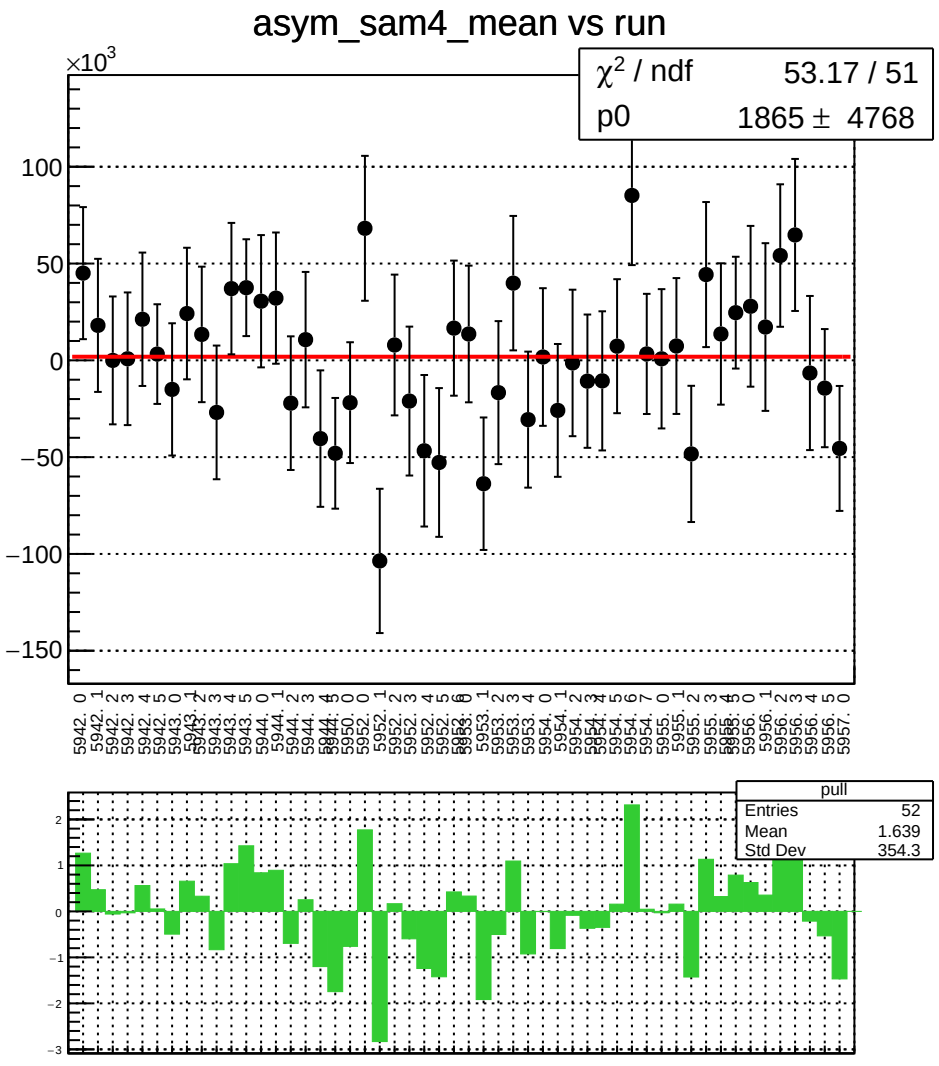

pull1D
Entries 52
Mean 0.01843
Std Dev 0.8929
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

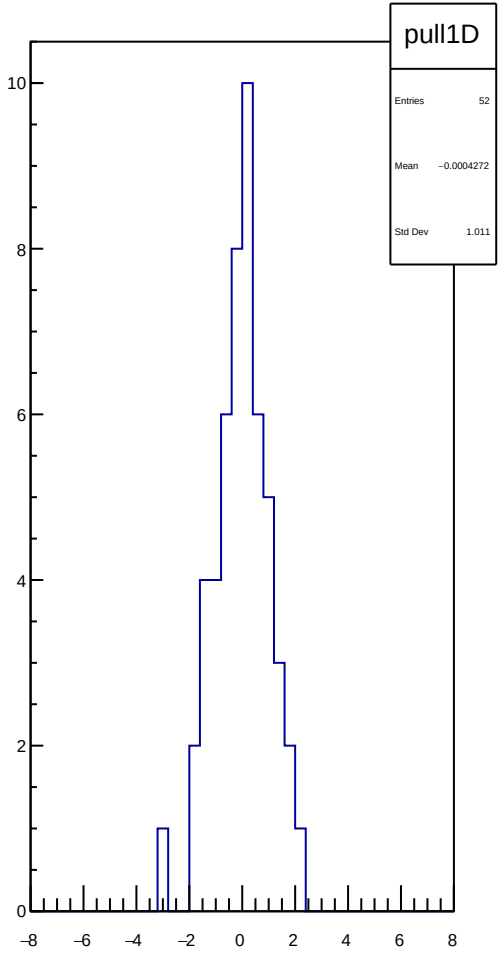

dit_asym_sam4_rms vs run
χ² / ndf 5210 / 51
p0 332.8 ± 0.3321
550
500
450
400
350
300

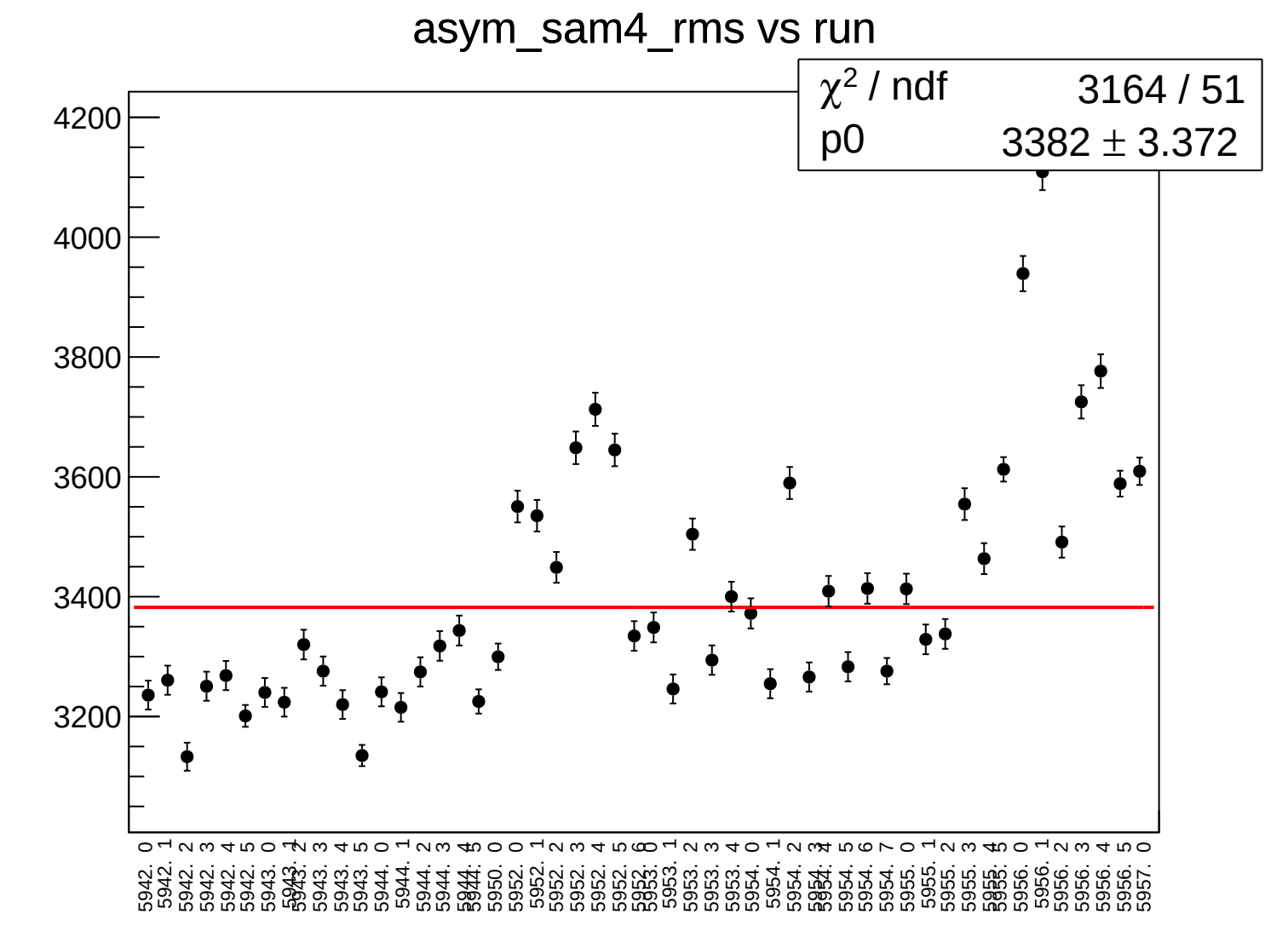

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 53.61 / 51
p0 −2658 ± 4824
150
100
50
0
−50
−100
pull
Entries 52
Mean 36.15
Std Dev 232.9
3
2
1
0
−1
−2

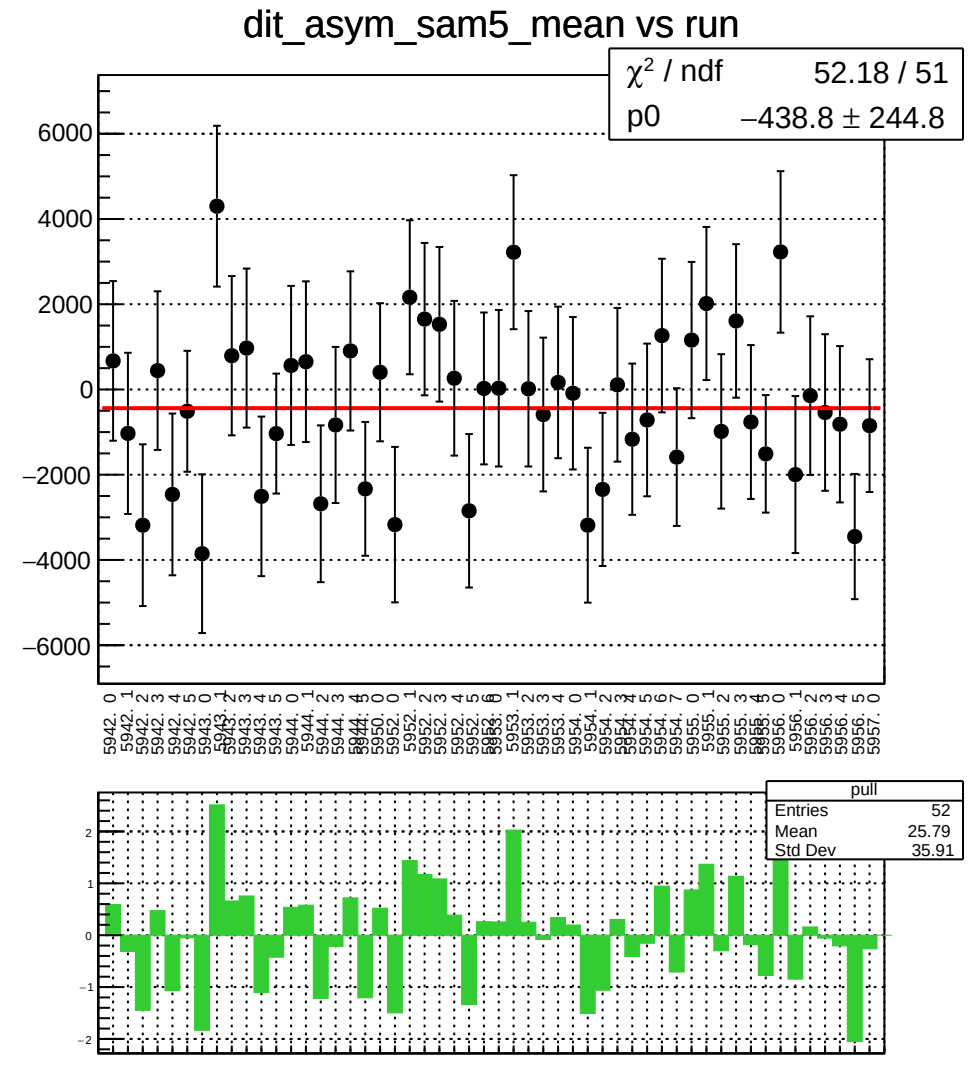

pull1D
Entries 52
Mean 0.001027
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

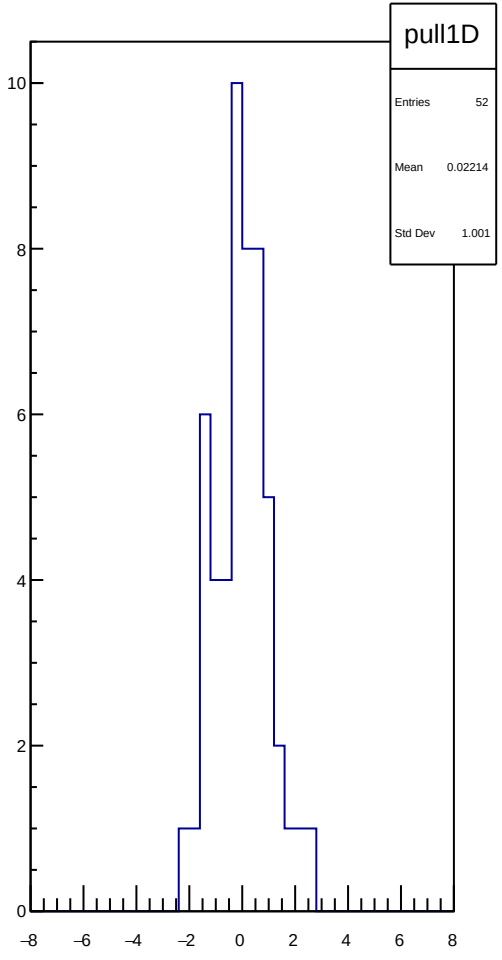

asym_sam4_correction_rms vs run
χ² / ndf 1826 / 51
p0 3424 ± 3.411
4000
3900
3800
3700
3600
3500
3400
3300
3200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

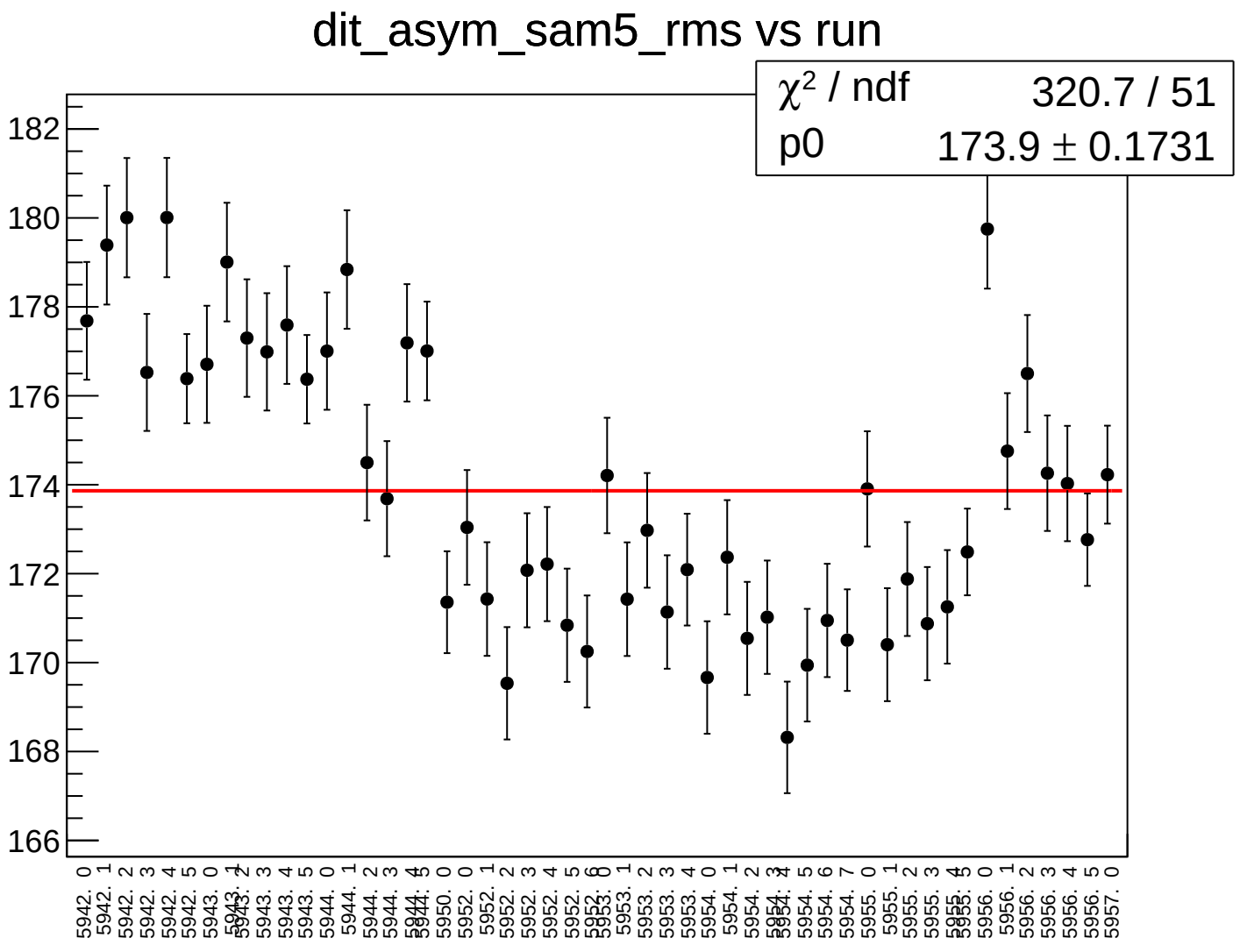

asym_sam4_mean vs run
×10^3
χ^2 / ndf 53.17 / 51
p0 1865 ± 4768
100
50
0
−50
−100
−150
pull
Entries 52
Mean 1.639
Std Dev 354.3
2
1
0
−1
−2
−3

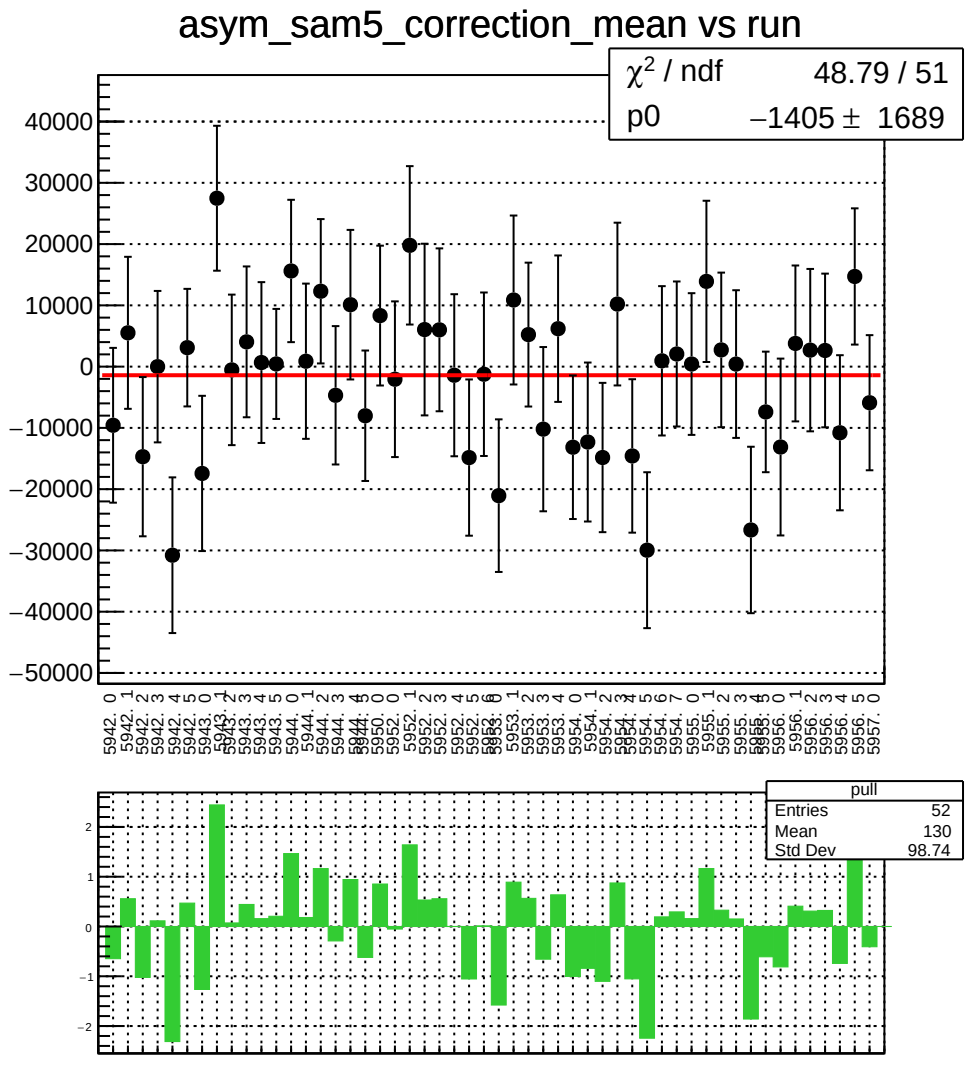

pull1D
Entries 52
Mean −0.0004272
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

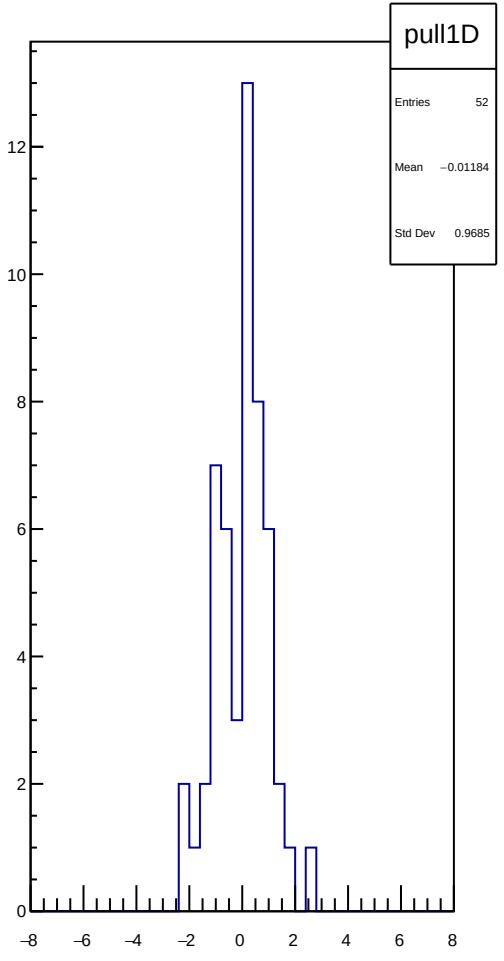

asym_sam4_rms vs run
χ² / ndf 3164 / 51
p0 3382 ± 3.372
4200
4000
3800
3600
3400
3200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

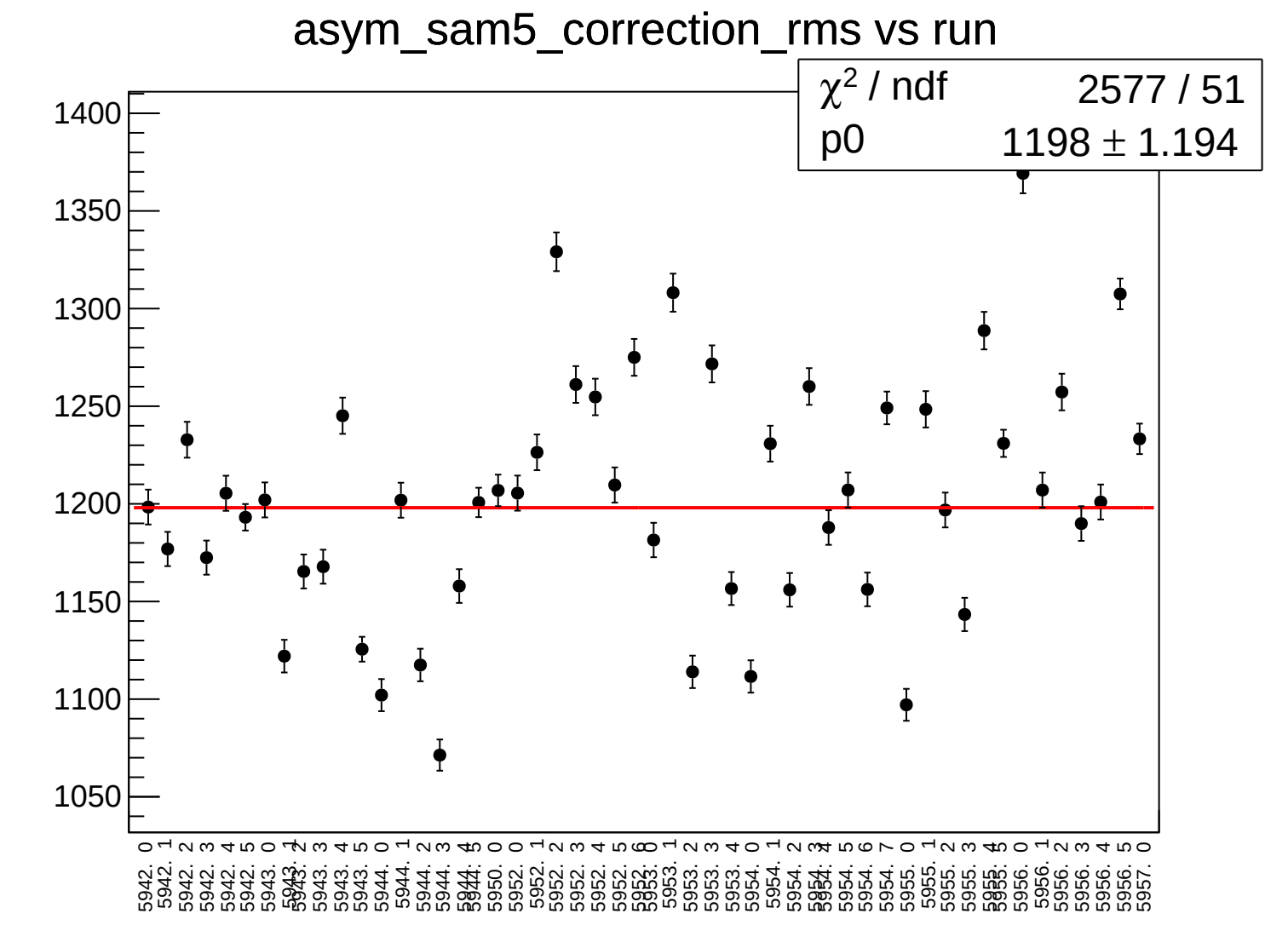

dit_asym_sam5_mean vs run
χ² / ndf 52.18 / 51
p0 −438.8 ± 244.8
pull
Entries 52
Mean 25.79
Std Dev 35.91

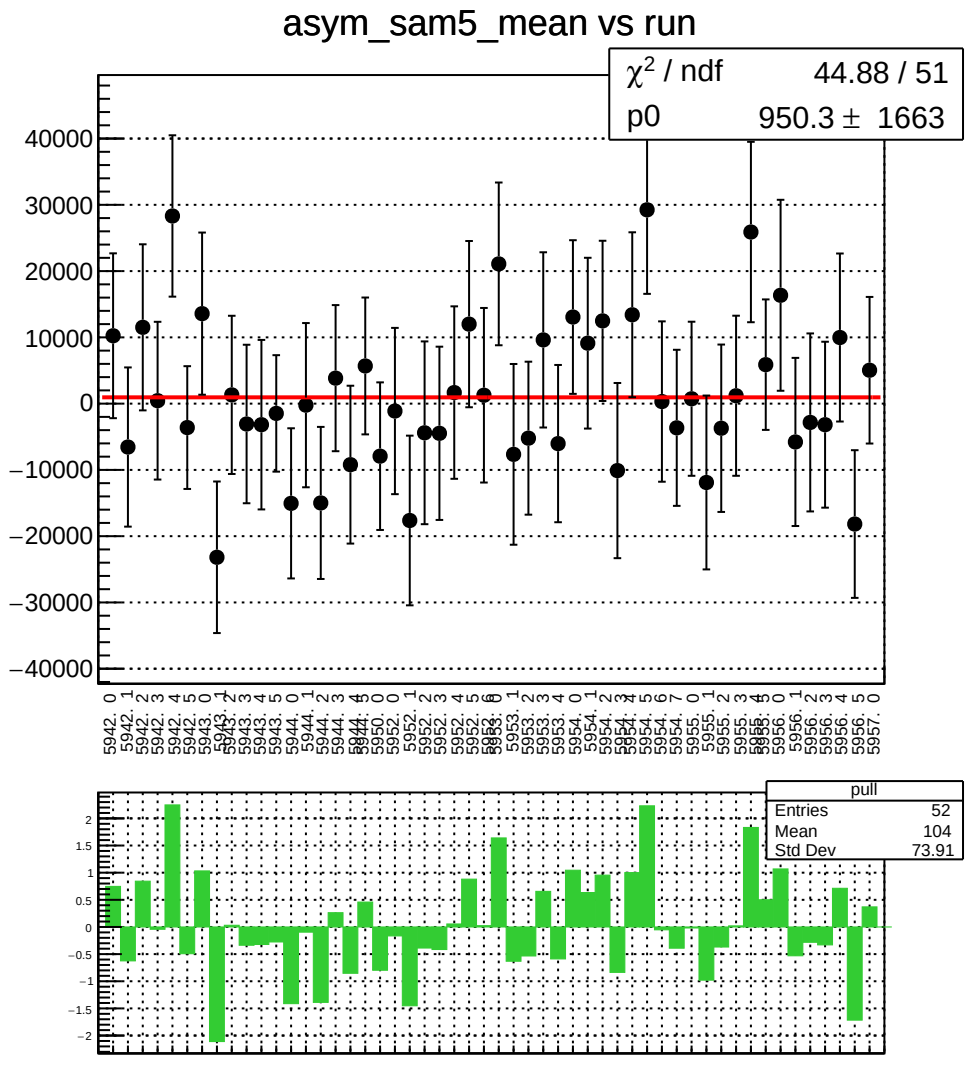

pull1D
Entries 52
Mean 0.02214
Std Dev 1.001

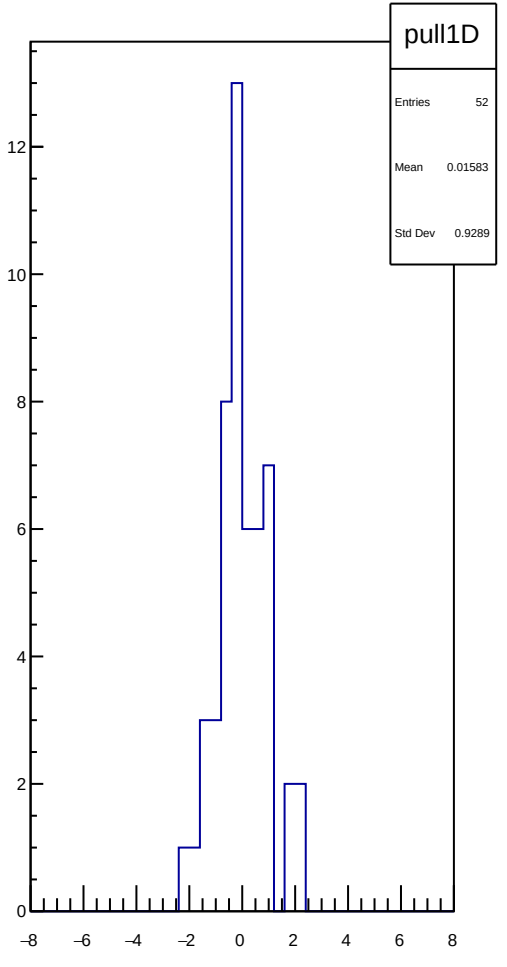

dit_asym_sam5_rms vs run
χ² / ndf 320.7 / 51
p0 173.9 ± 0.1731
182
180
178
176
174
172
170
168
166
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

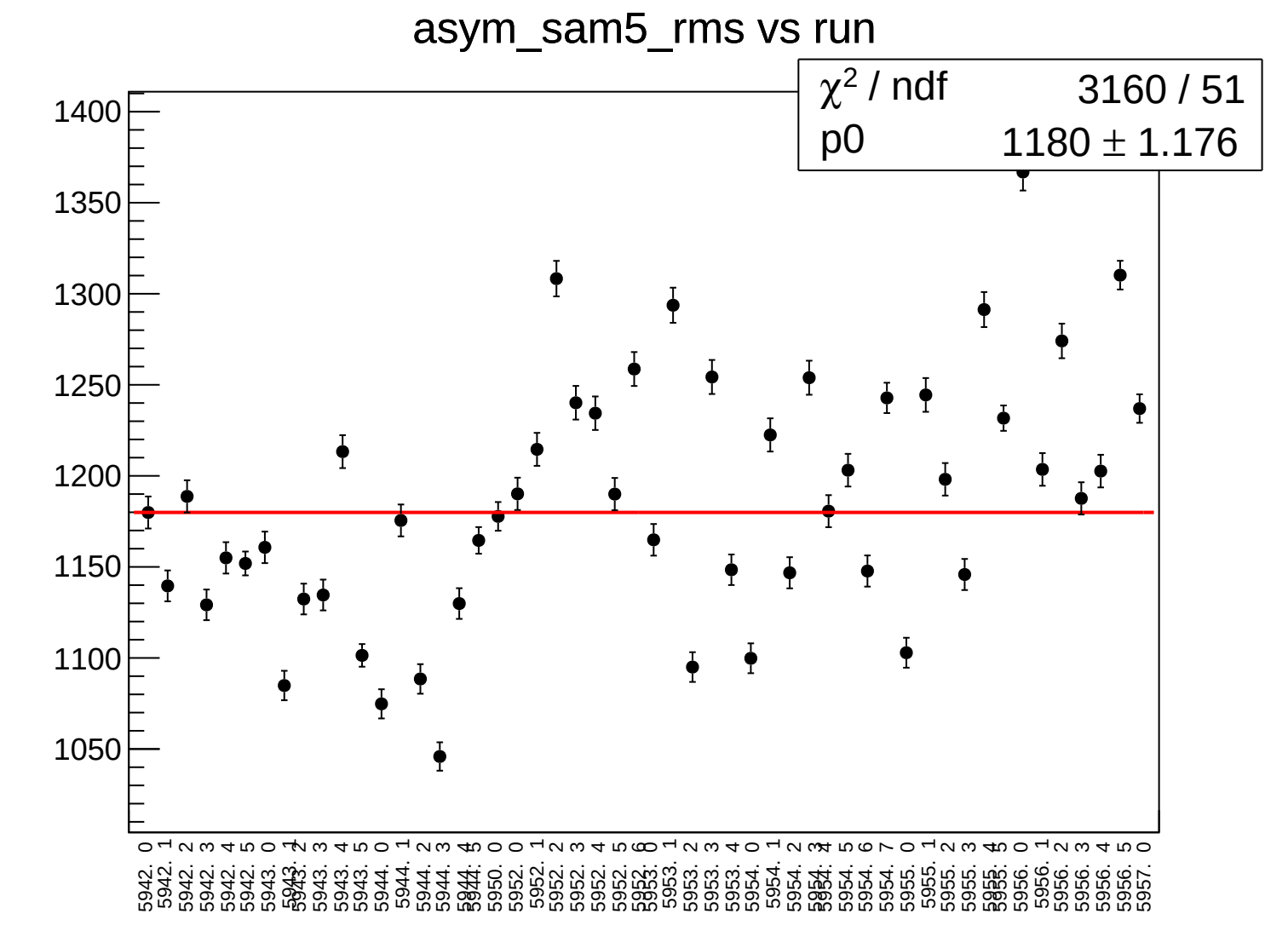

asym_sam5_correction_mean vs run
χ² / ndf 48.79 / 51
p0 −1405 ± 1689
pull
Entries 52
Mean 130
Std Dev 98.74

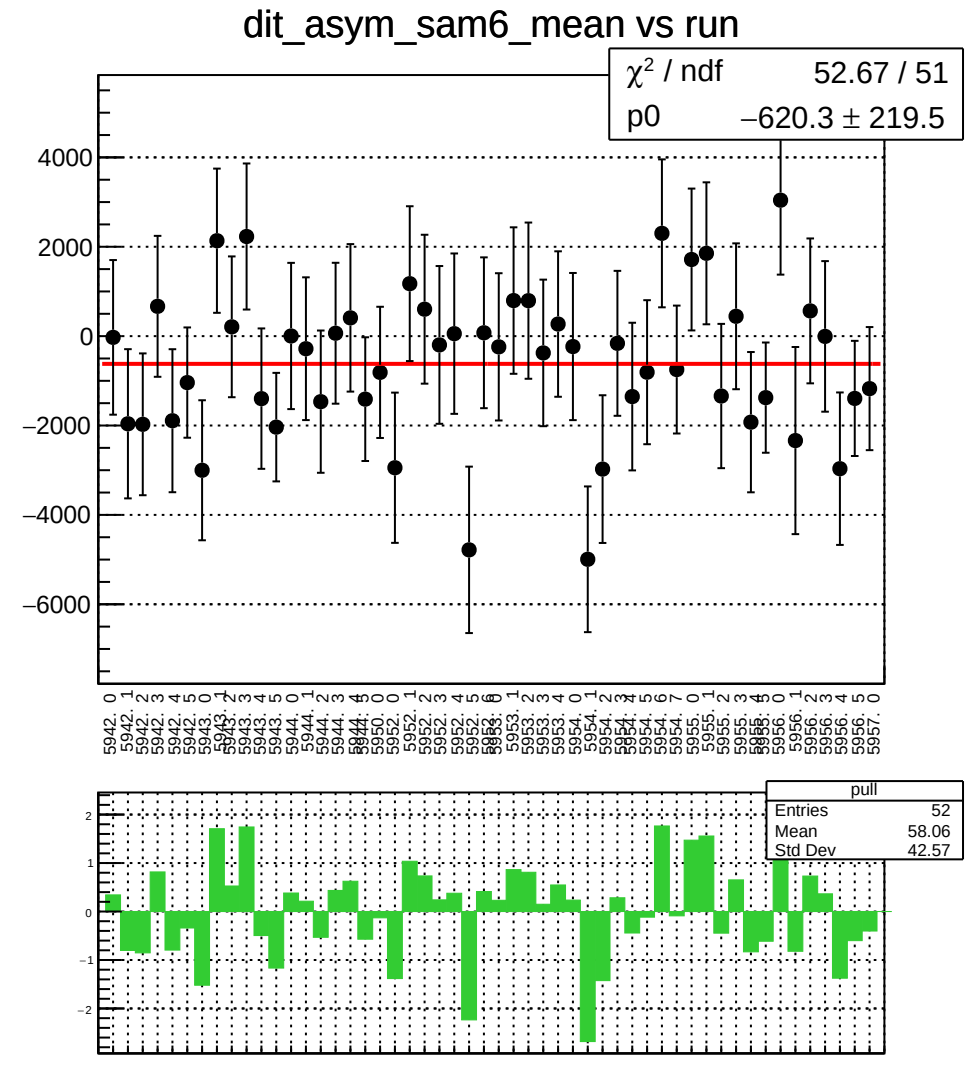

pull1D
Entries 52
Mean −0.01184
Std Dev 0.9685

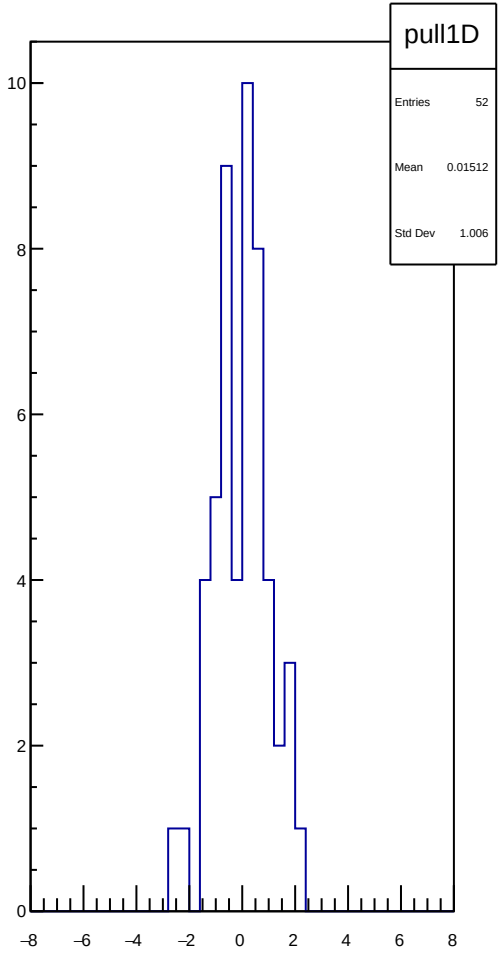

asym_sam5_correction_rms vs run
χ² / ndf 2577 / 51
p0 1198 ± 1.194
1400
1350
1300
1250
1200
1150
1100
1050
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

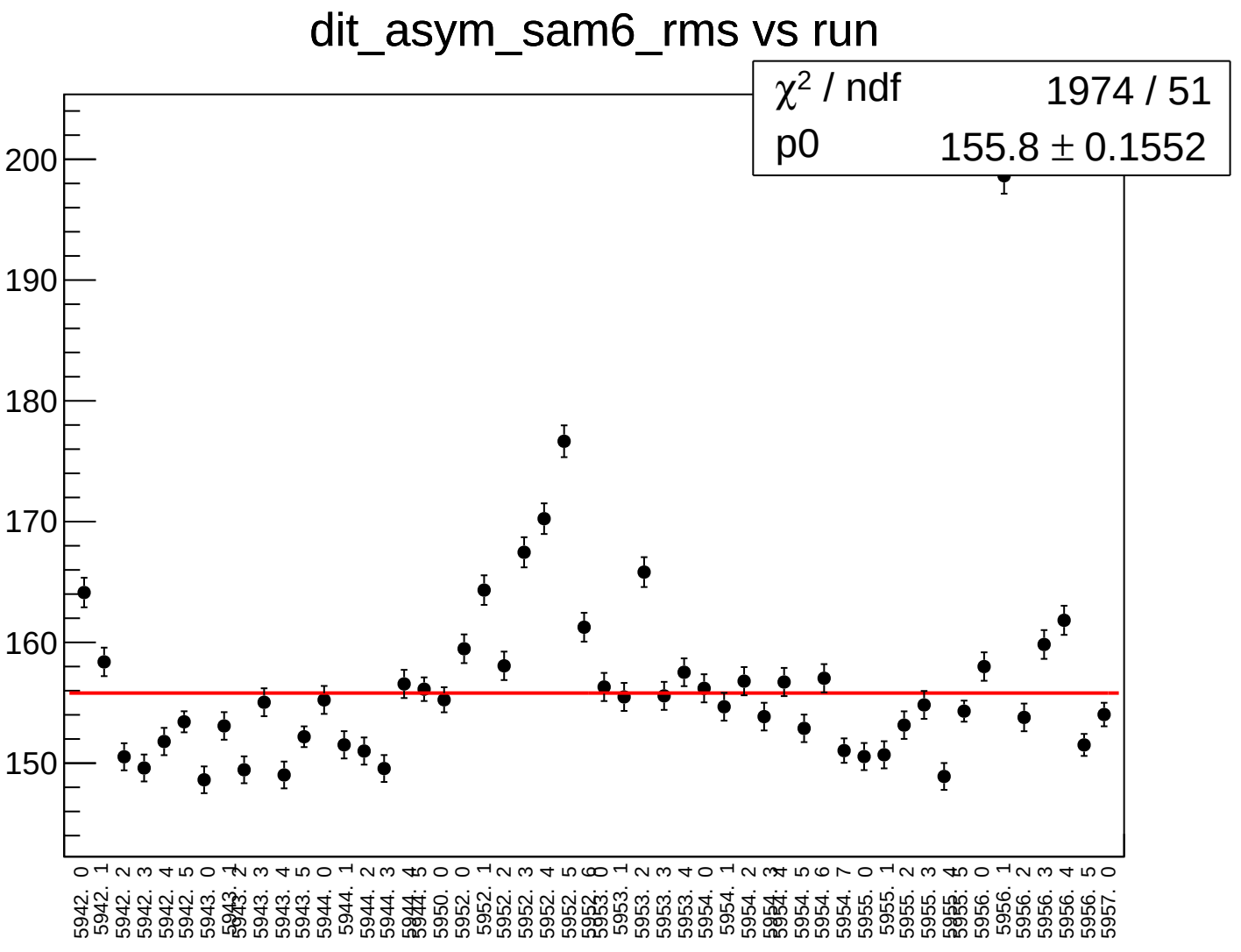

asym_sam5_mean vs run
χ² / ndf 44.88 / 51
p0 950.3 ± 1663
pull
Entries 52
Mean 104
Std Dev 73.91

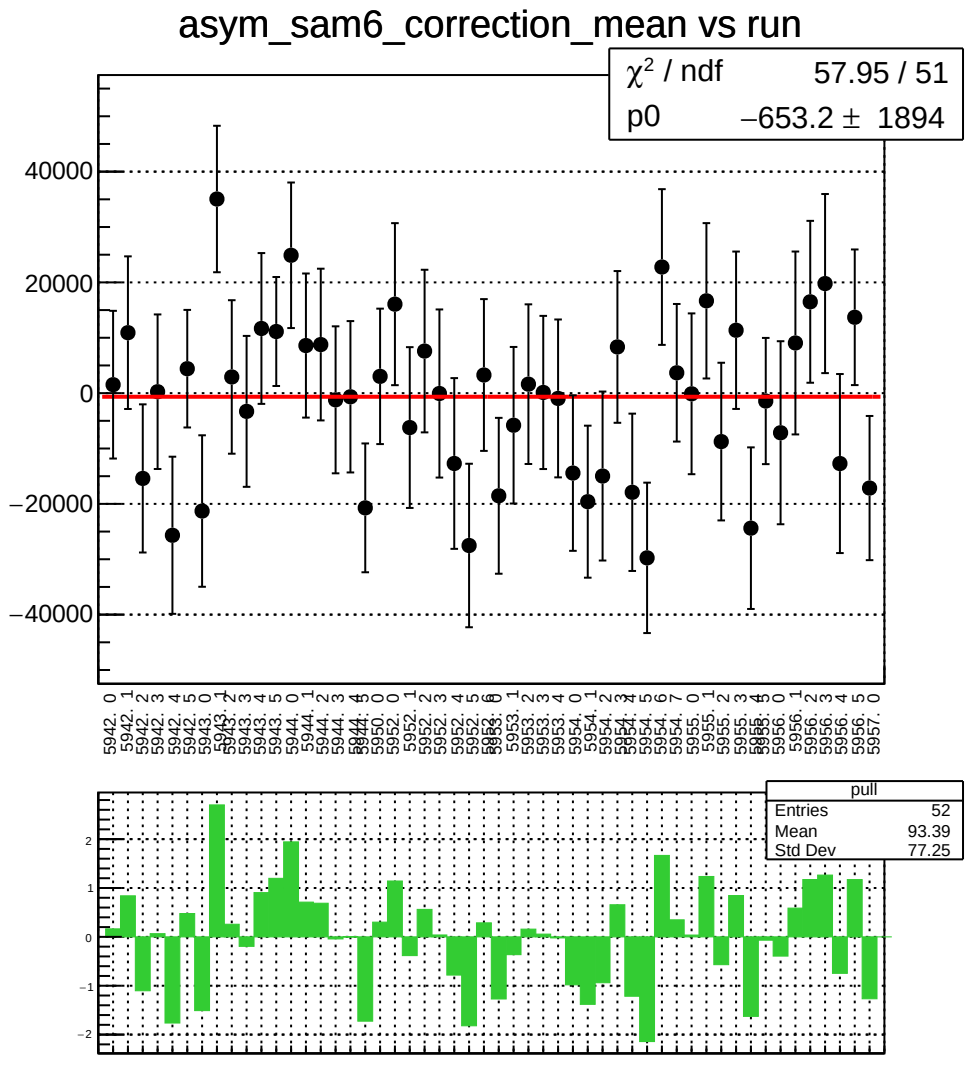

pull1D
Entries 52
Mean 0.01583
Std Dev 0.9289

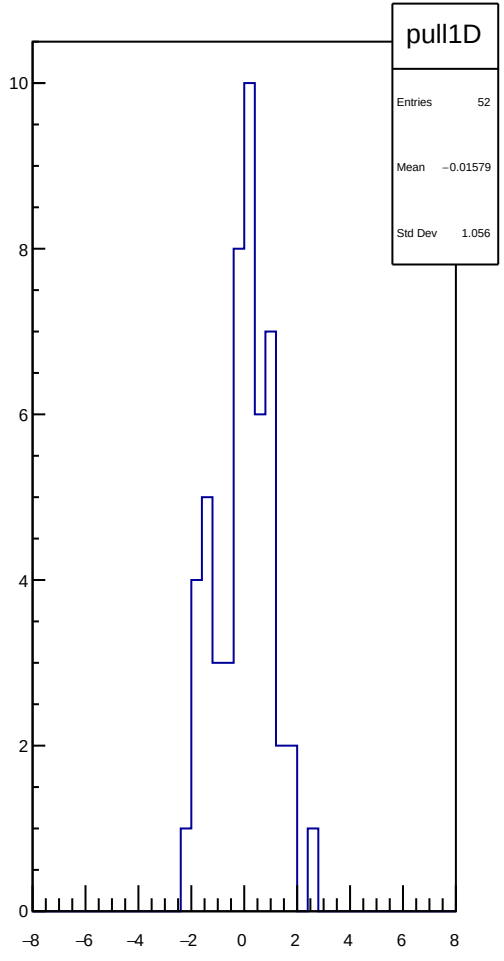

asym_sam5_rms vs run
χ² / ndf 3160 / 51
p0 1180 ± 1.176
1400
1350
1300
1250
1200
1150
1100
1050
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

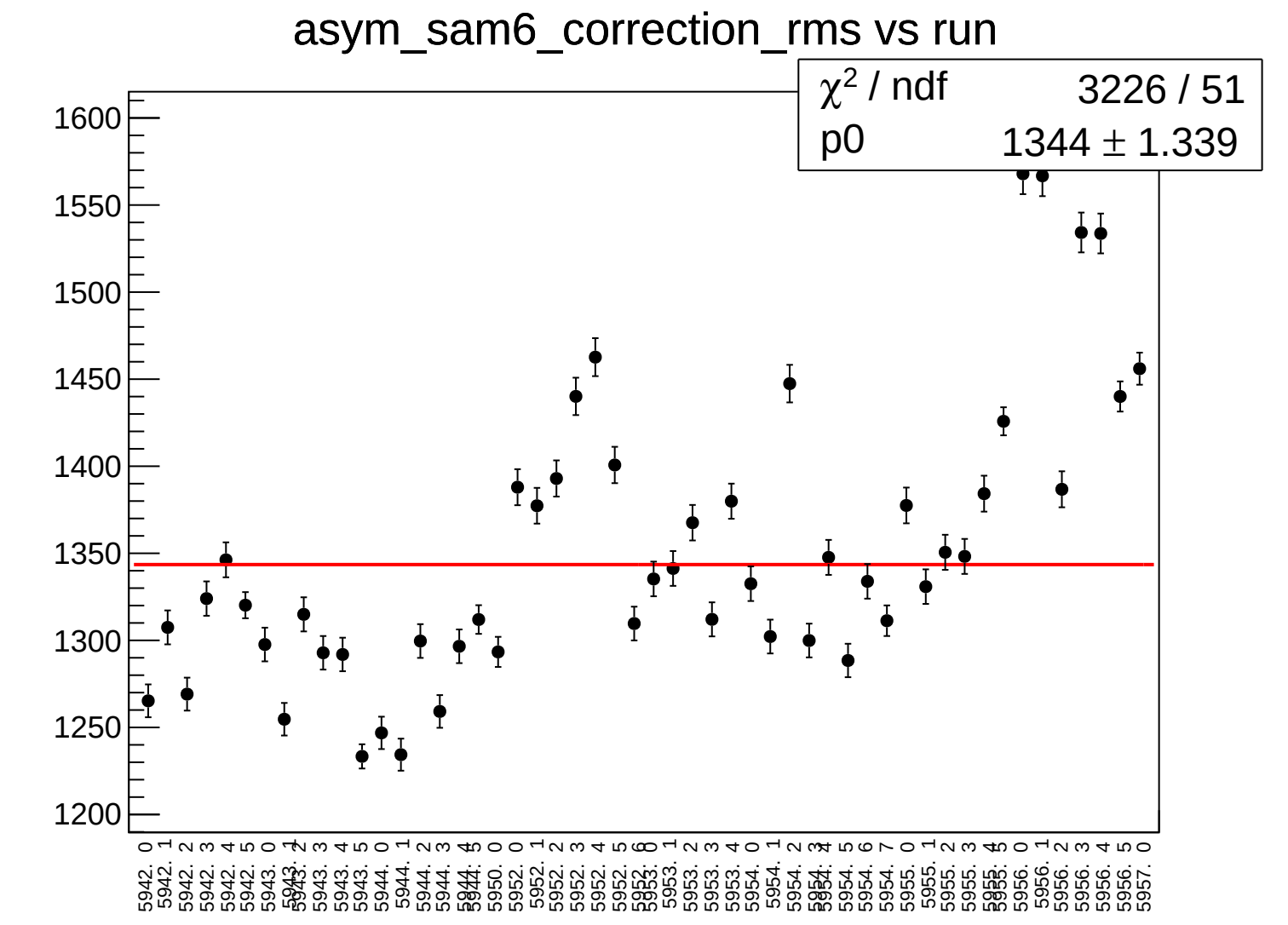

dit_asym_sam6_mean vs run
χ² / ndf 52.67 / 51
p0 −620.3 ± 219.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean 58.06
Std Dev 42.57
2
1
0
−1
−2

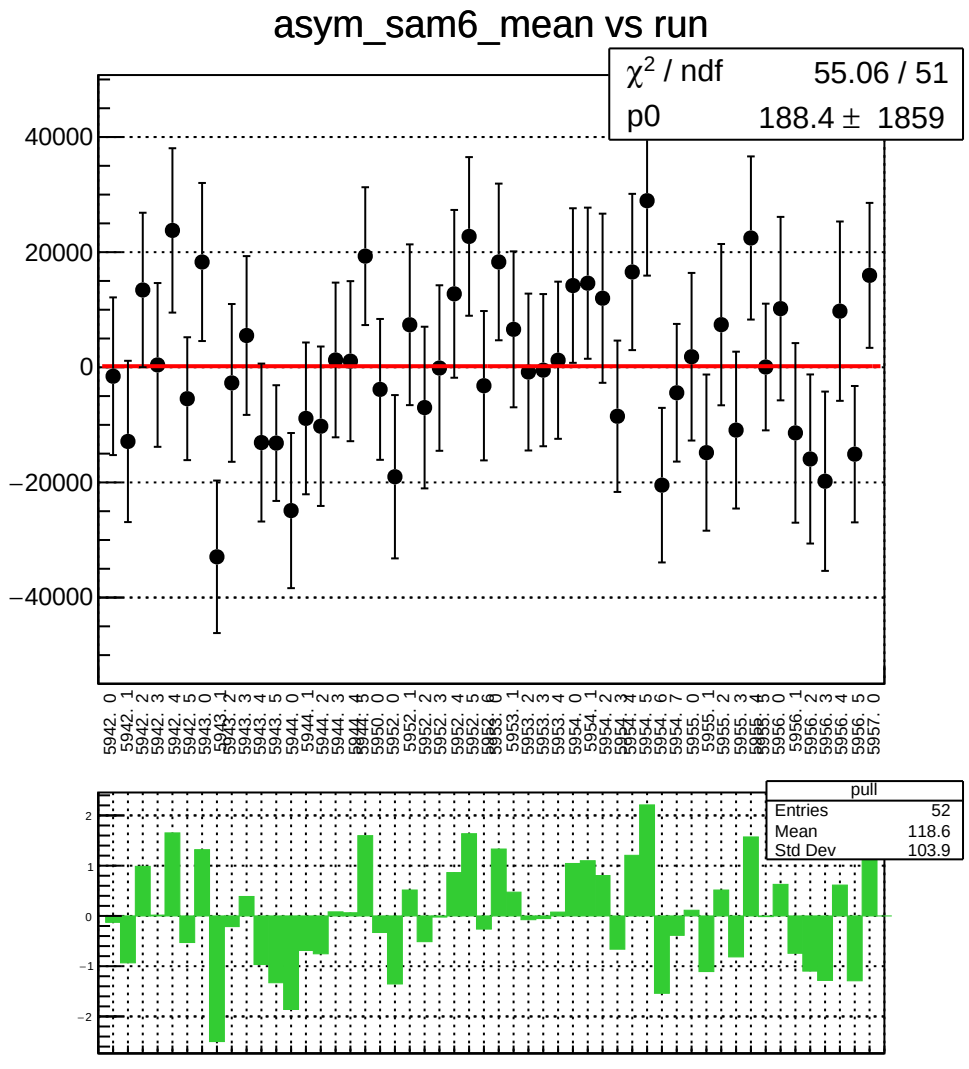

pull1D
Entries 52
Mean 0.01512
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

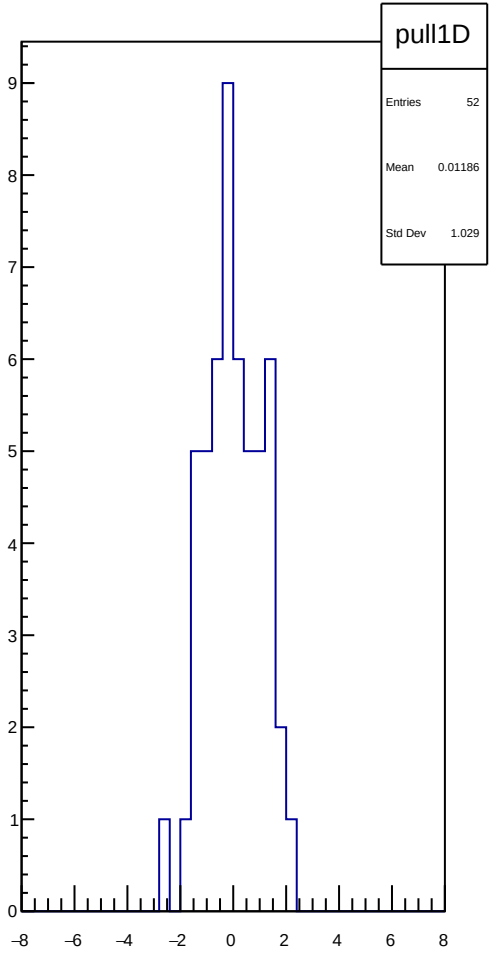

dit_asym_sam6_rms vs run
χ² / ndf 1974 / 51
p0 155.8 ± 0.1552
200
190
180
170
160
150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

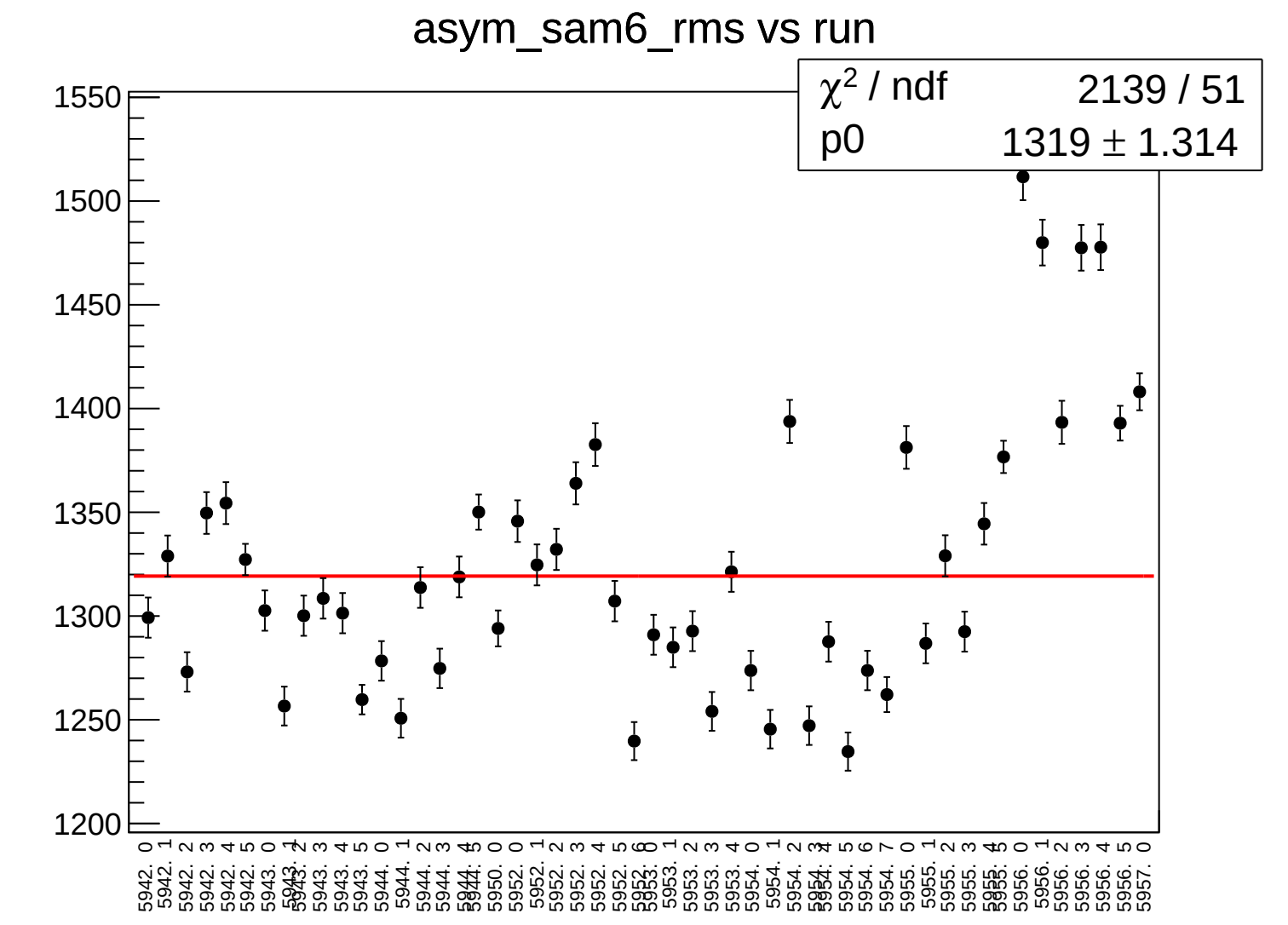

asym_sam6_correction_mean vs run
χ² / ndf 57.95 / 51
p0 −653.2 ± 1894
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 93.39
Std Dev 77.25
2
1
0
−1
−2

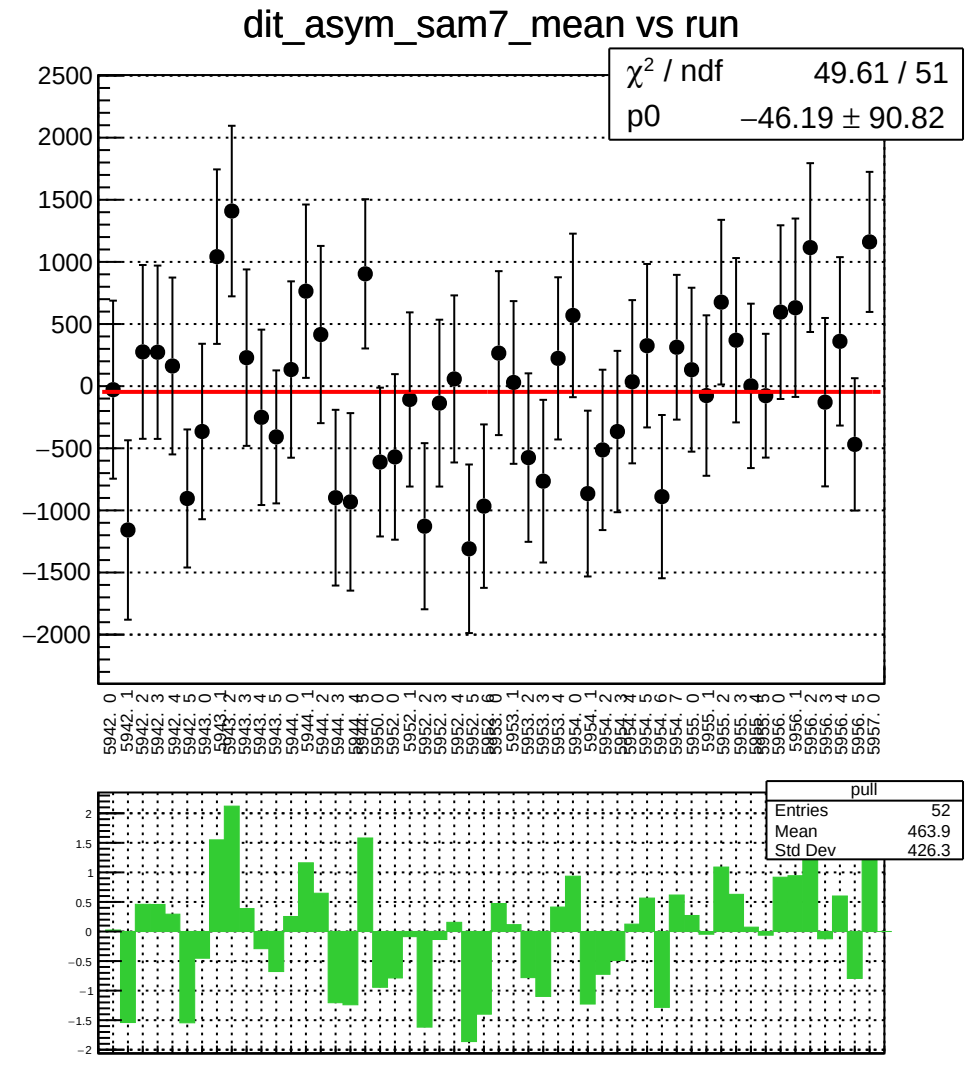

pull1D
Entries 52
Mean −0.01579
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

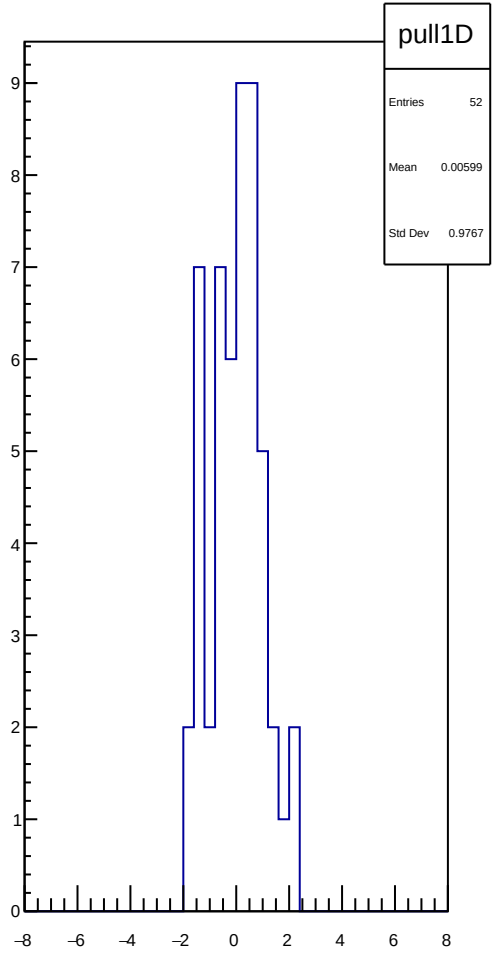

asym_sam6_correction_rms vs run
χ² / ndf 3226 / 51
p0 1344 ± 1.339
1600
1550
1500
1450
1400
1350
1300
1250
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

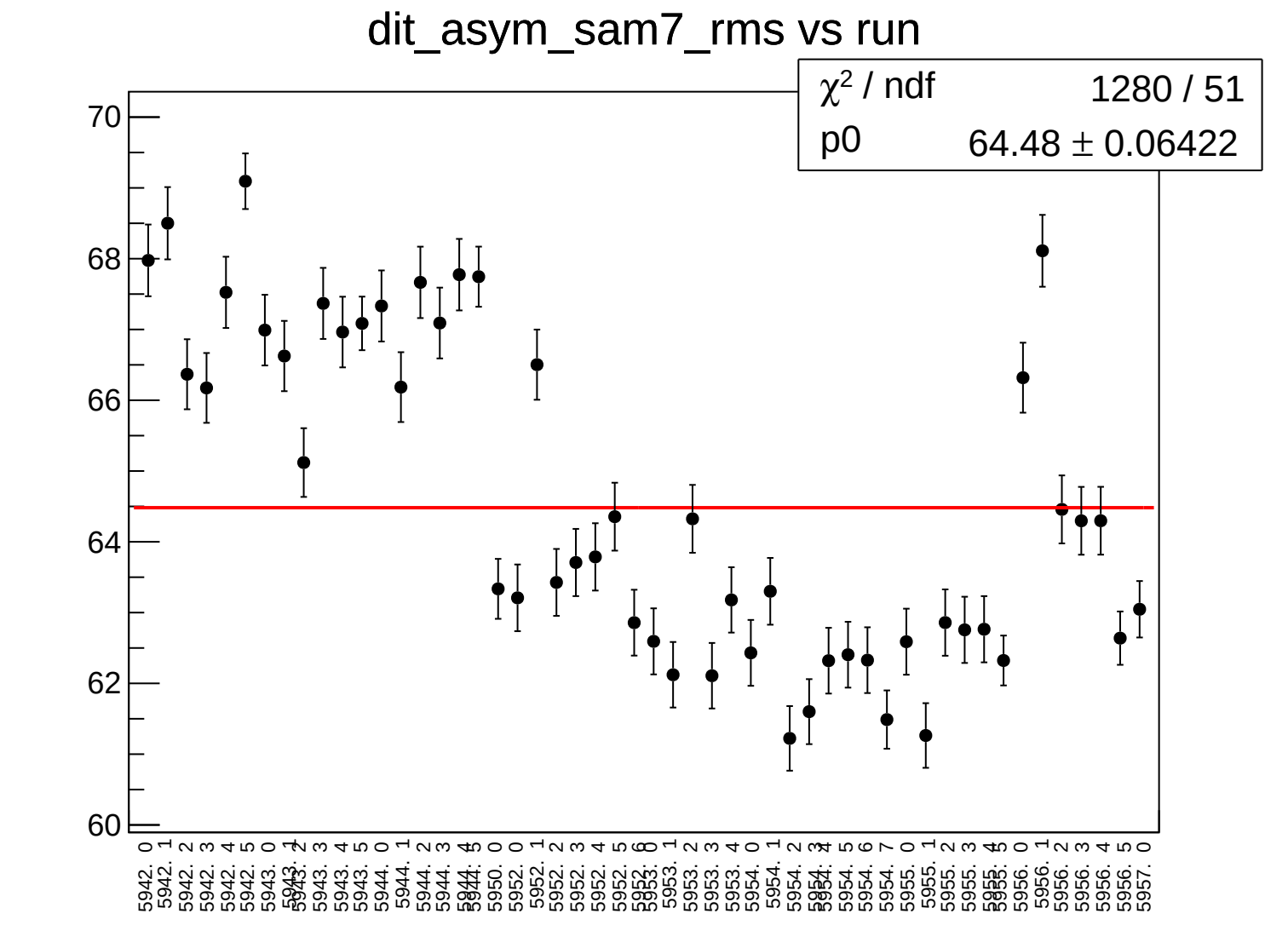

asym_sam6_mean vs run
χ² / ndf 55.06 / 51
p0 188.4 ± 1859
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 118.6
Std Dev 103.9
2
1
0
−1
−2

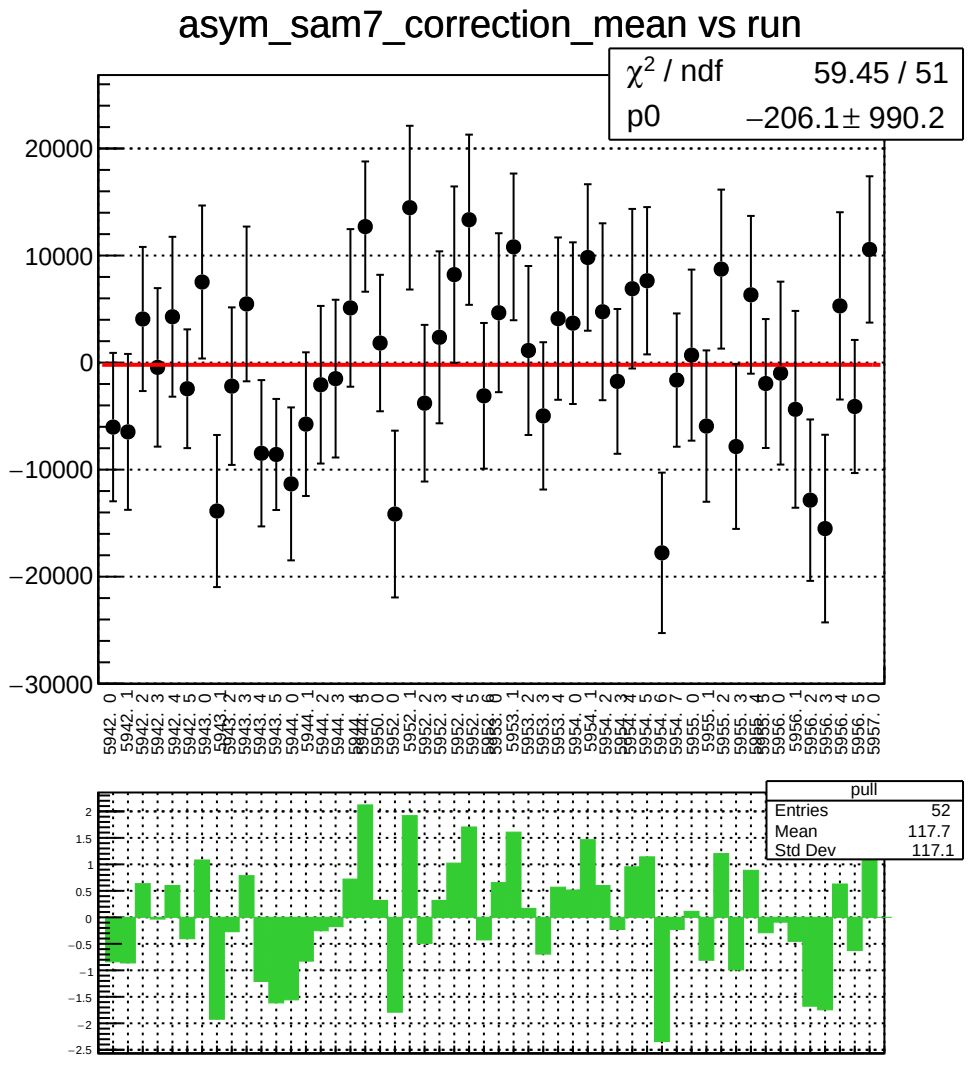

pull1D
Entries 52
Mean 0.01186
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

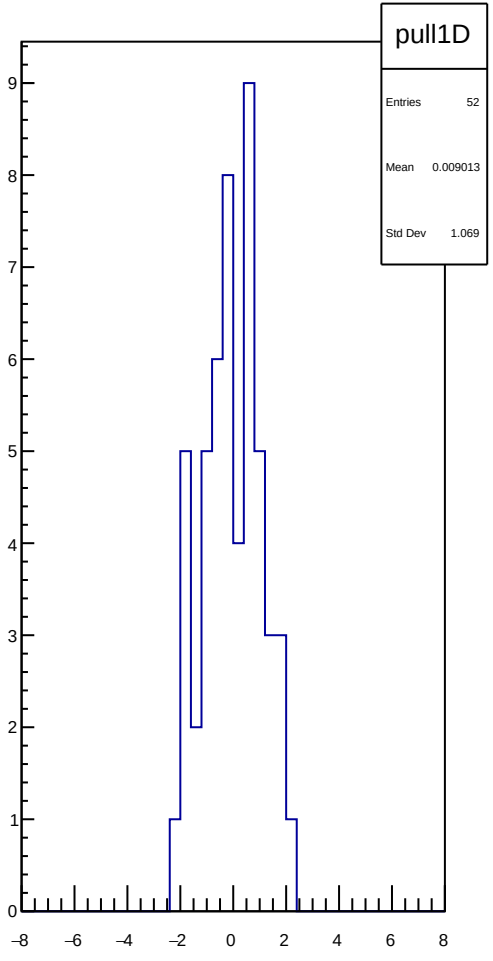

asym_sam6_rms vs run
χ² / ndf 2139 / 51
p0 1319 ± 1.314
1550
1500
1450
1400
1350
1300
1250
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

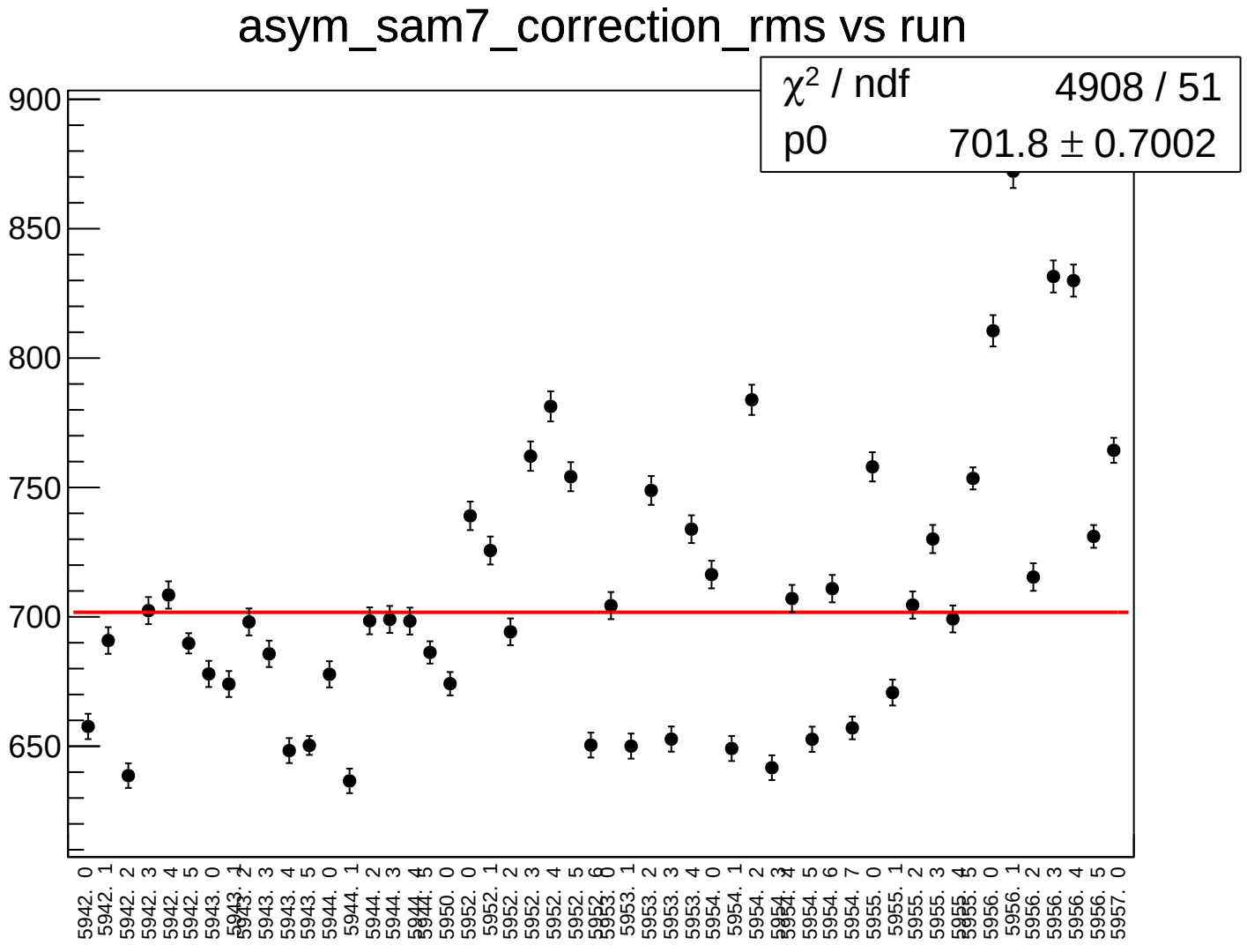

dit_asym_sam7_mean vs run
χ² / ndf 49.61 / 51
p0 −46.19 ± 90.82
pull
Entries 52
Mean 463.9
Std Dev 426.3

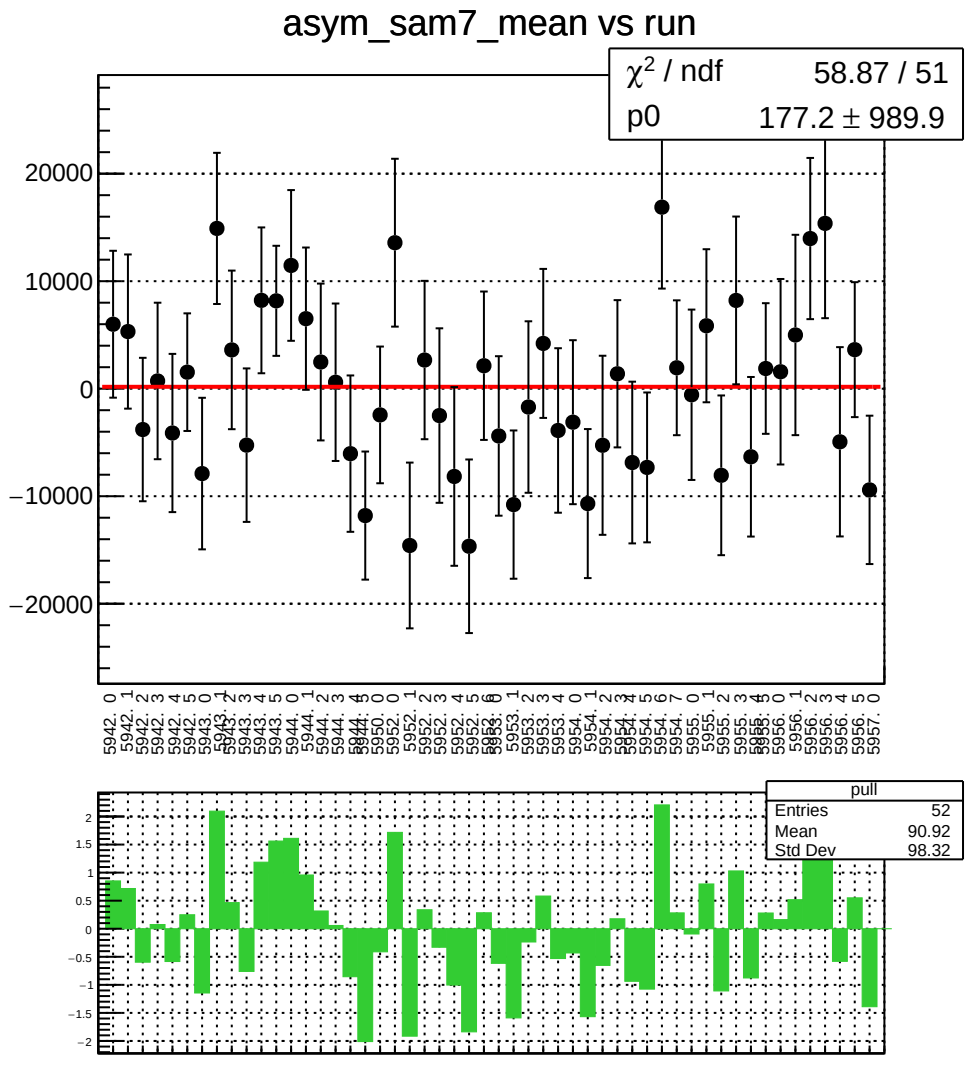

pull1D
Entries 52
Mean 0.00599
Std Dev 0.9767

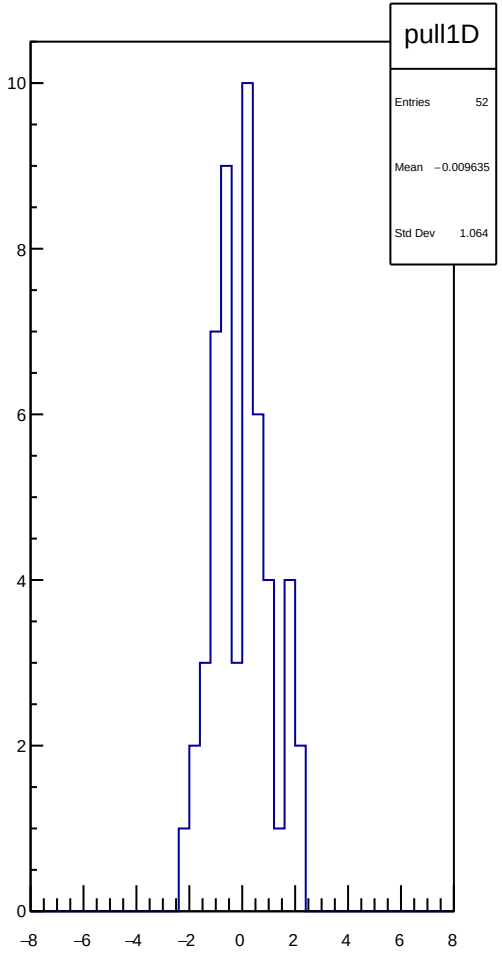

dit_asym_sam7_rms vs run
χ² / ndf 1280 / 51
p0 64.48 ± 0.06422
70
68
66
64
62
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

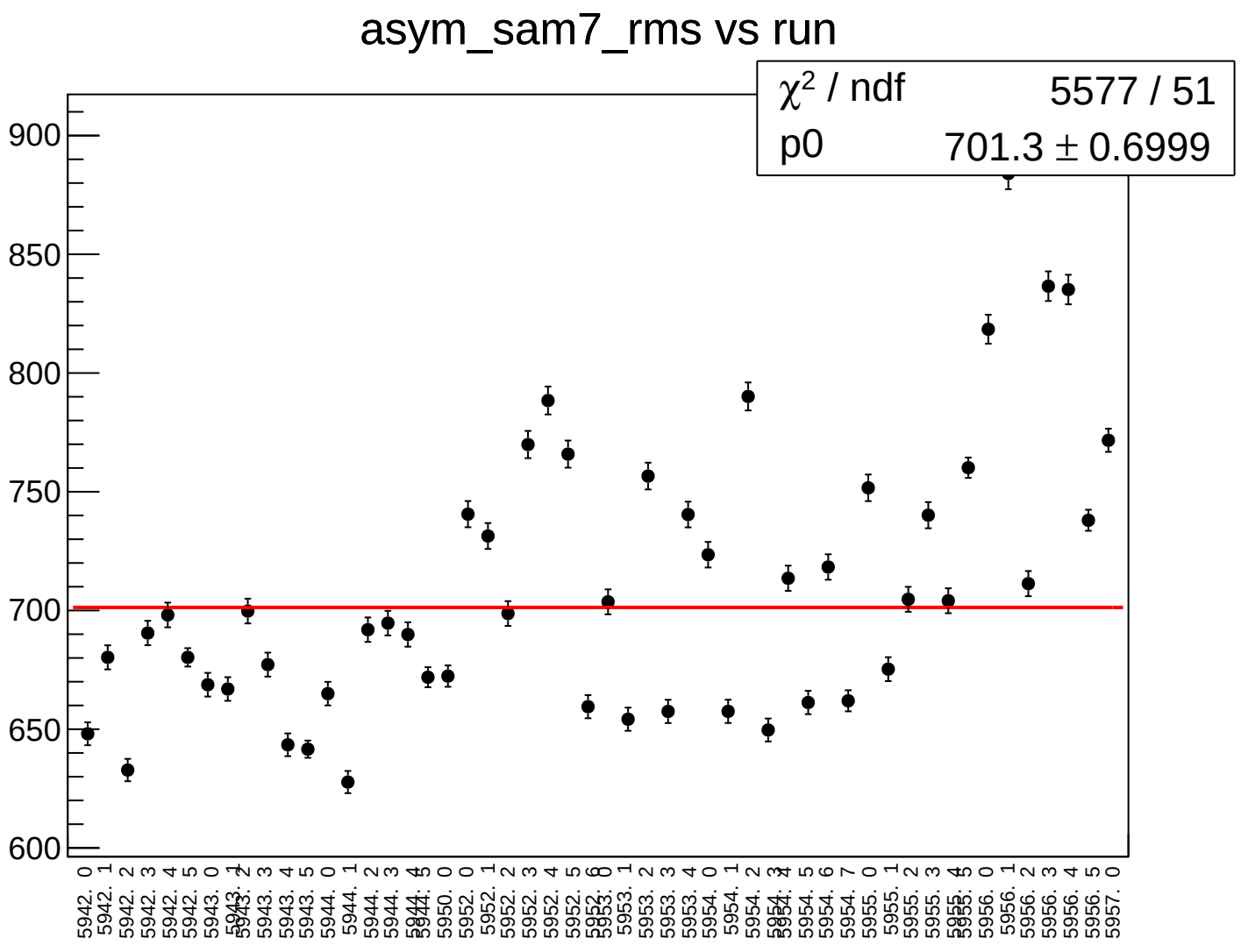

asym_sam7_correction_mean vs run
χ² / ndf 59.45 / 51
p0 −206.1± 990.2
pull
Entries 52
Mean 117.7
Std Dev 117.1

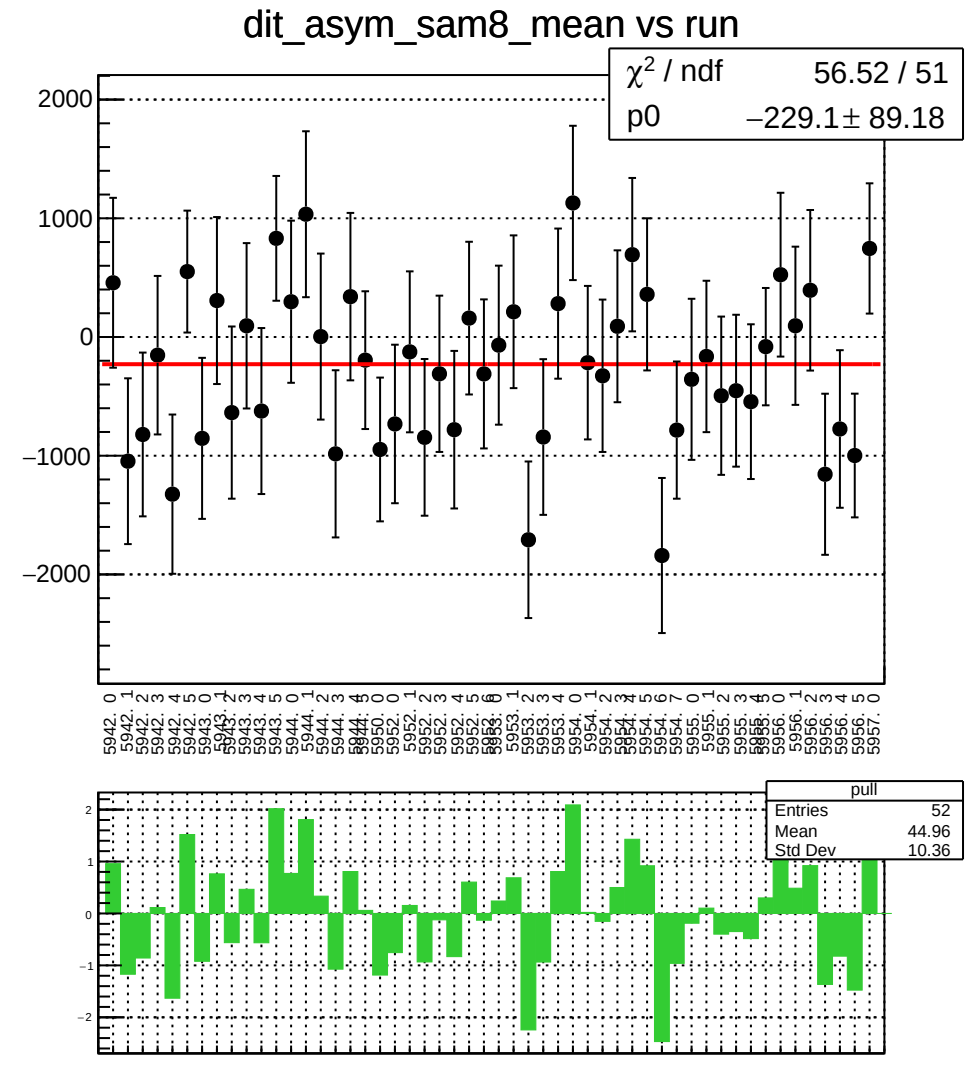

pull1D
Entries 52
Mean 0.009013
Std Dev 1.069

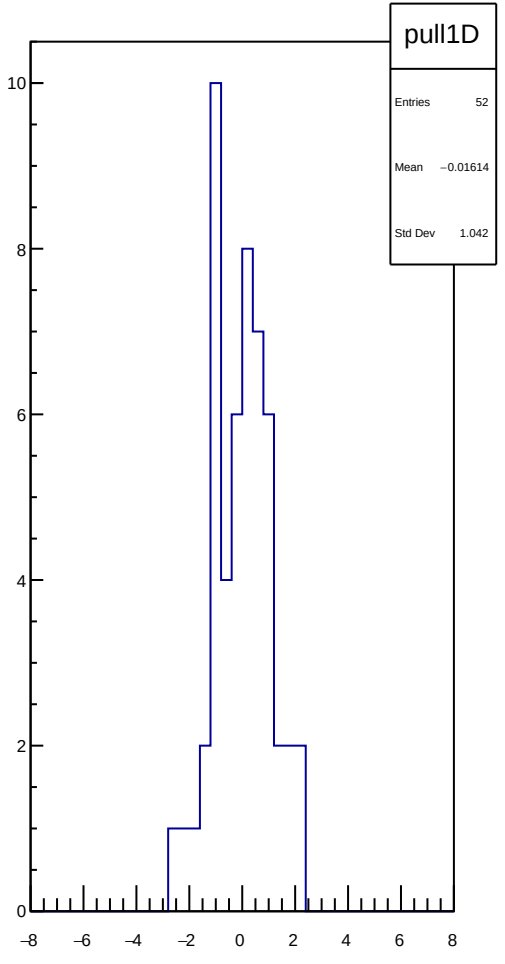

asym_sam7_correction_rms vs run
χ² / ndf 4908 / 51
p0 701.8 ± 0.7002
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

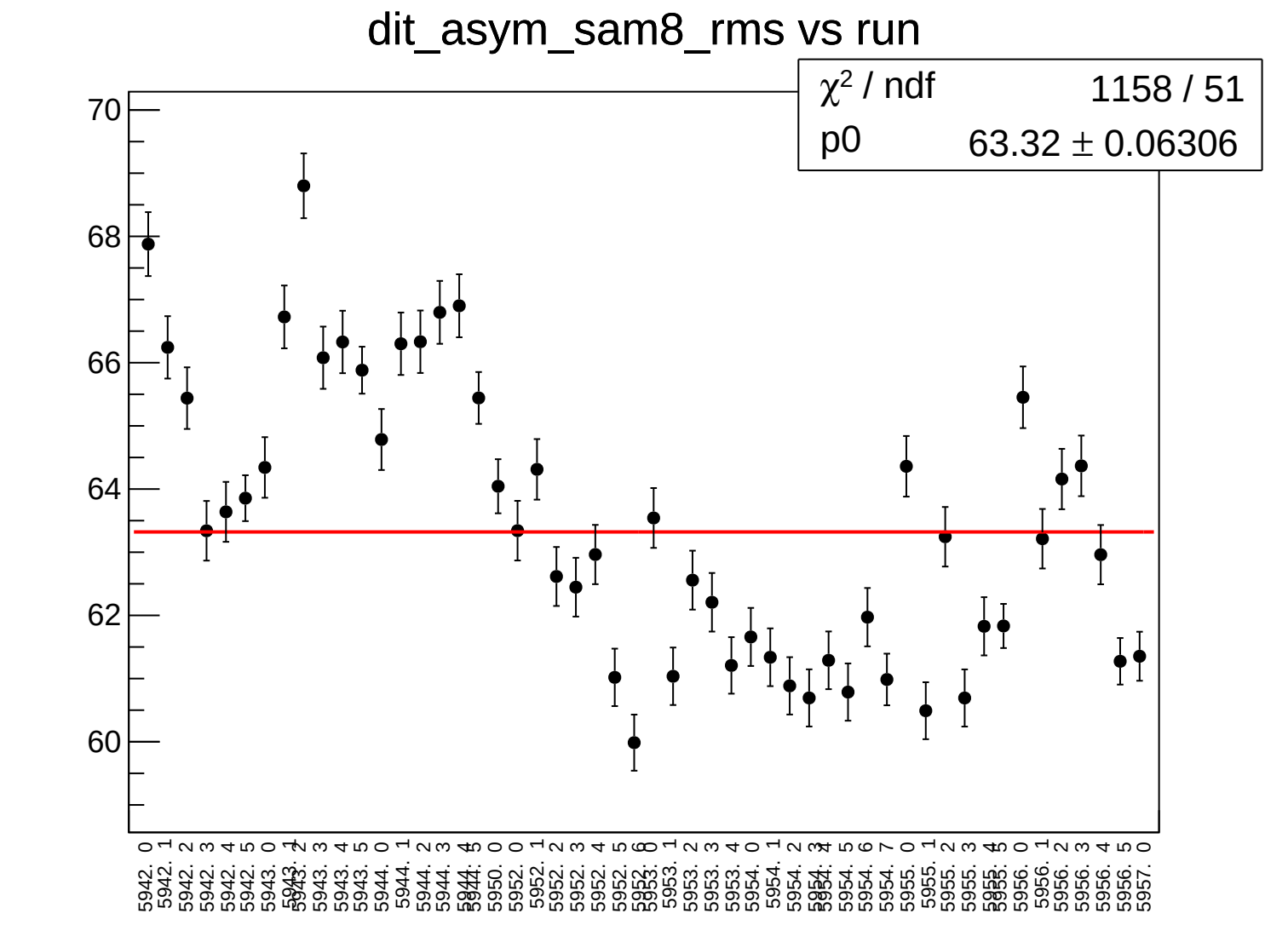

asym_sam7_mean vs run
χ² / ndf 58.87 / 51
p0 177.2 ± 989.9
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 90.92
Std Dev 98.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

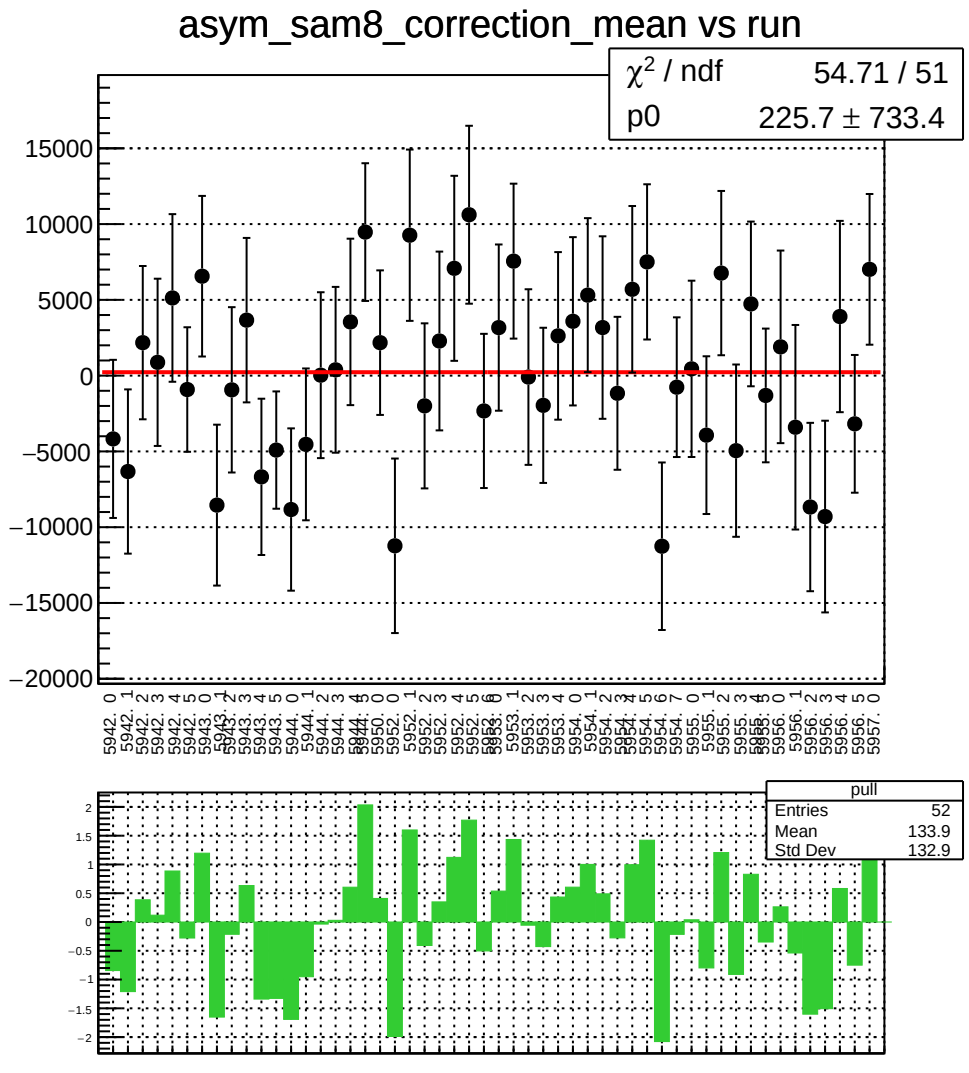

pull1D
Entries 52
Mean −0.009635
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

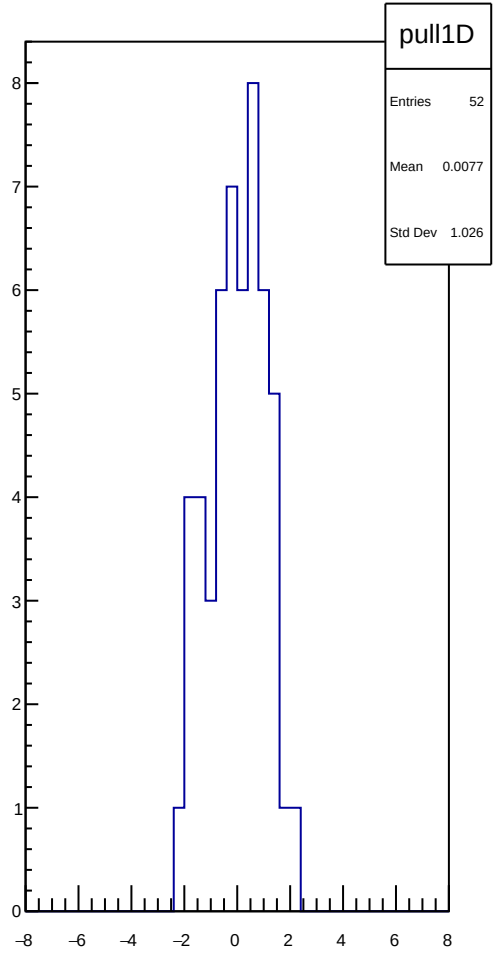

asym_sam7_rms vs run
χ² / ndf 5577 / 51
p0 701.3 ± 0.6999
900
850
800
750
700
650
600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

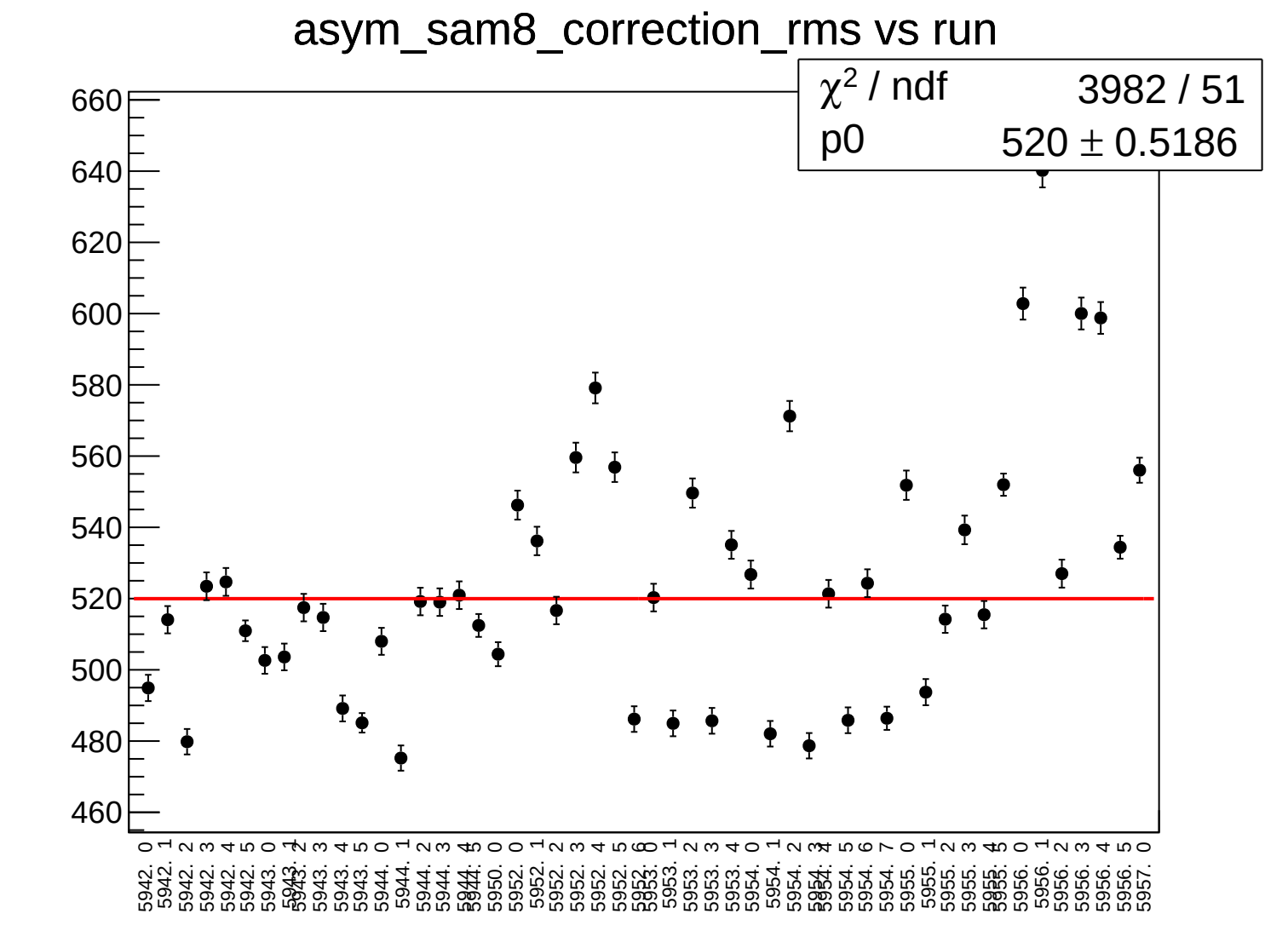

dit_asym_sam8_mean vs run
χ² / ndf 56.52 / 51
p0 −229.1± 89.18
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 44.96
Std Dev 10.36
2
1
0
−1

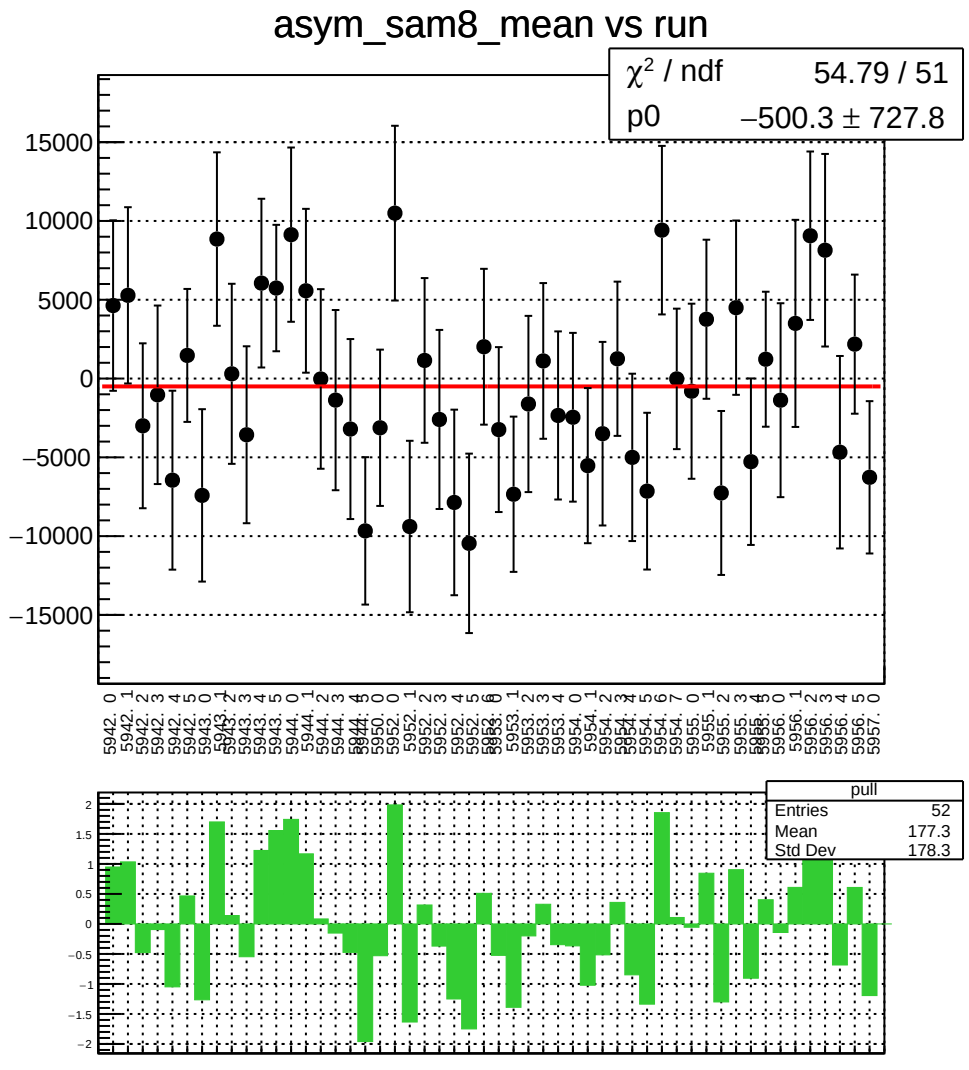

pull1D
Entries 52
Mean −0.01614
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

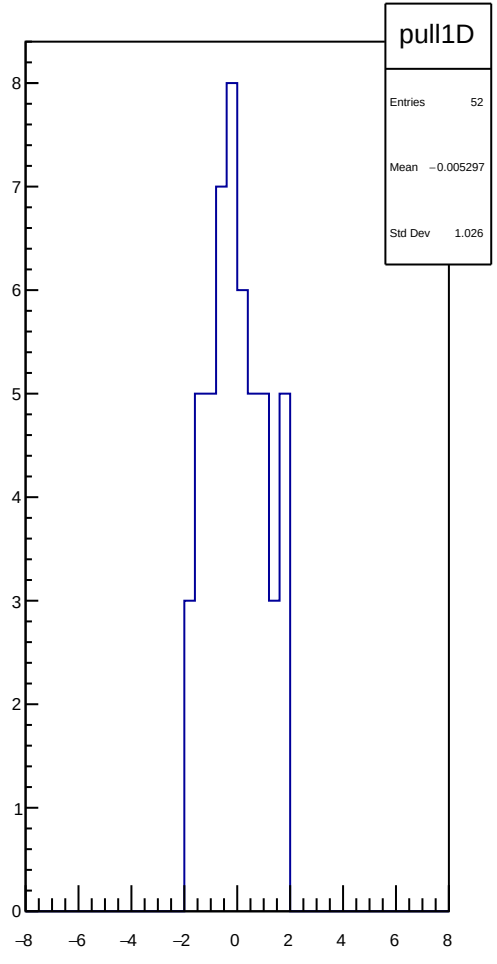

dit_asym_sam8_rms vs run
χ² / ndf 1158 / 51
p0 63.32 ± 0.06306
70
68
66
64
62
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

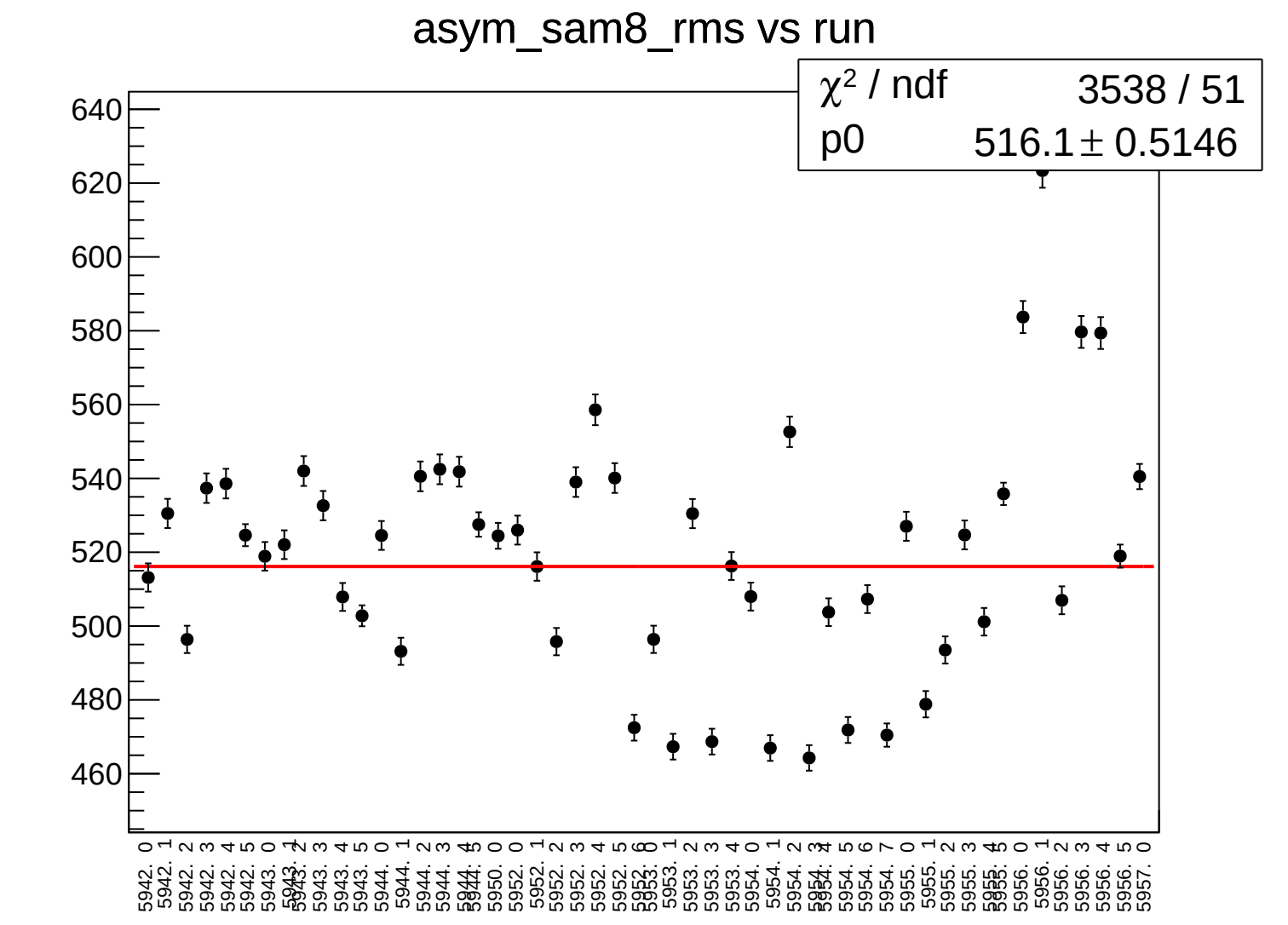

asym_sam8_correction_mean vs run
χ² / ndf 54.71 / 51
p0 225.7 ± 733.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 133.9
Std Dev 132.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

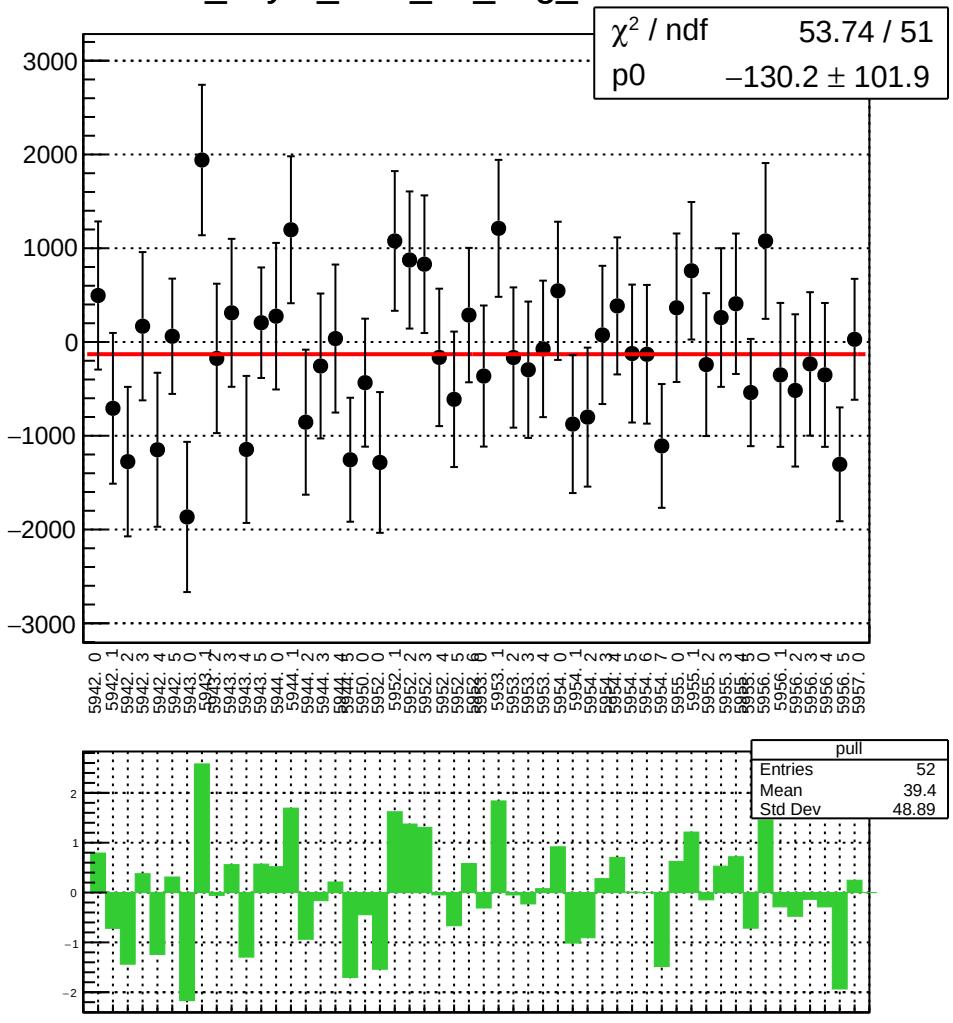

pull1D
Entries 52
Mean 0.0077
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

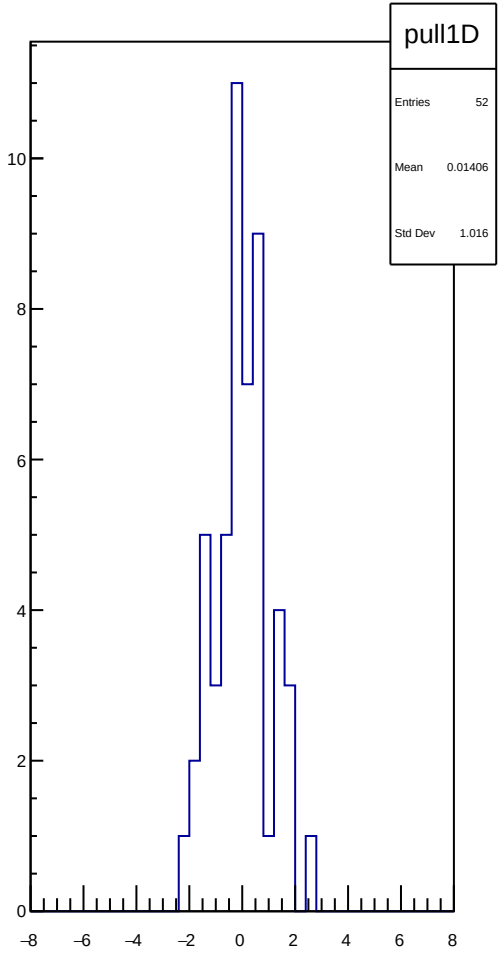

asym_sam8_correction_rms vs run
χ² / ndf 3982 / 51
p0 520 ± 0.5186
660
640
620
600
580
560
540
520
500
480
460
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

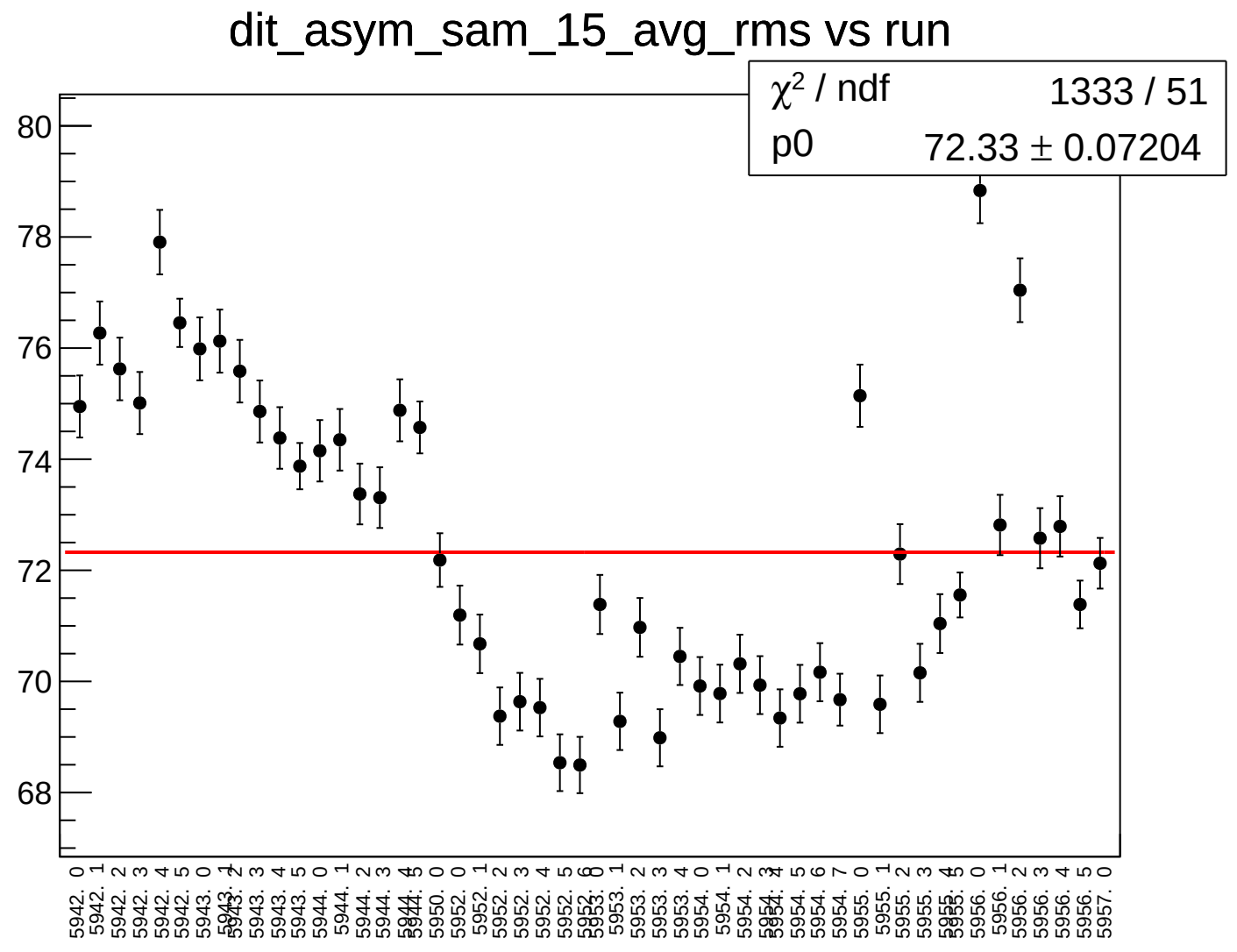

asym_sam8_mean vs run
χ² / ndf 54.79 / 51
p0 −500.3 ± 727.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 177.3
Std Dev 178.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

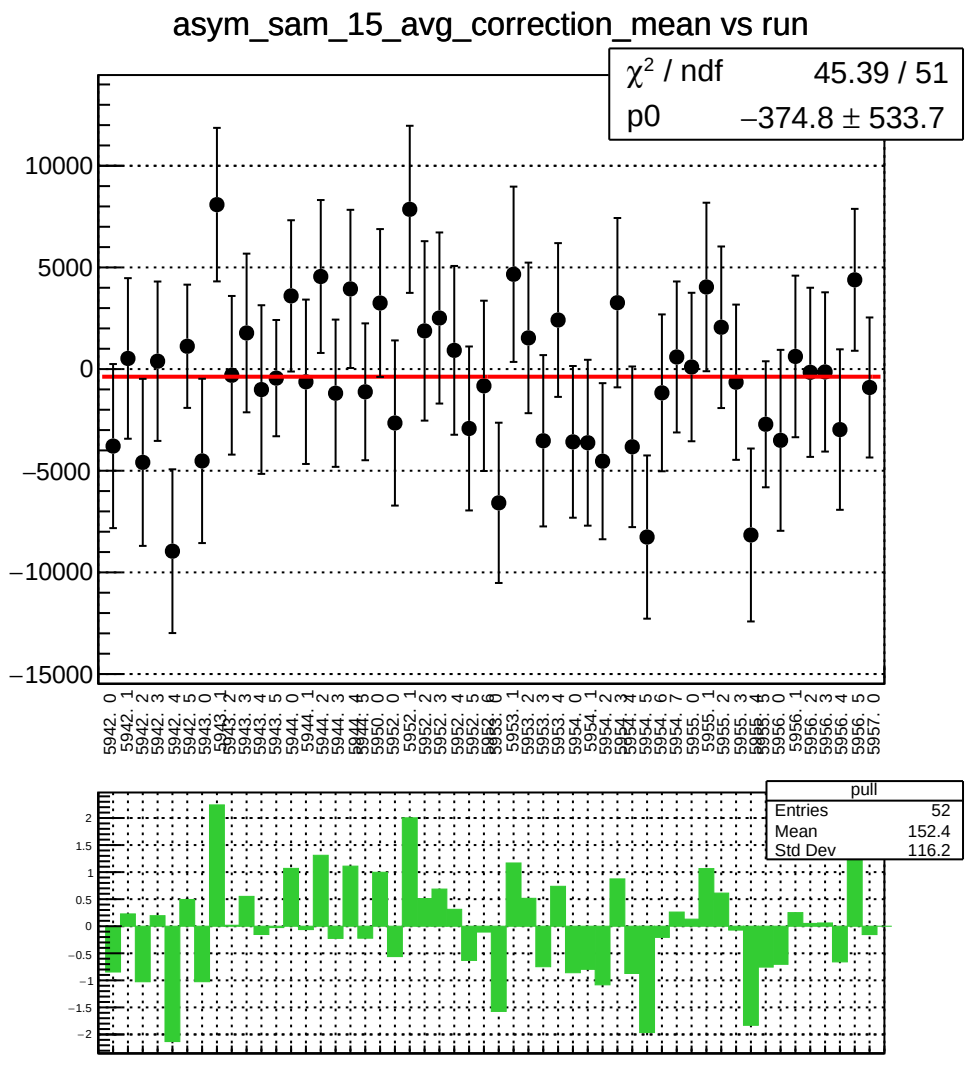

pull1D
Entries 52
Mean −0.005297
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

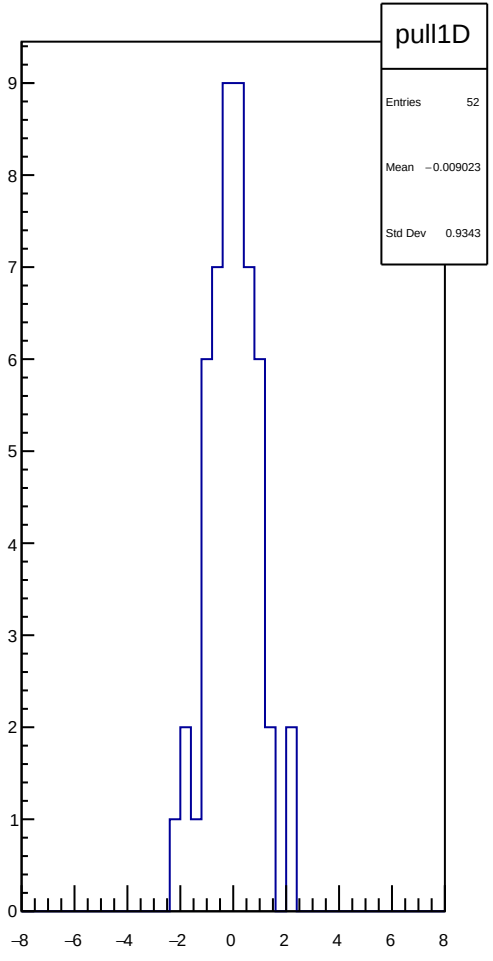

asym_sam8_rms vs run
χ² / ndf 3538 / 51
p0 516.1 ± 0.5146
640
620
600
580
560
540
520
500
480
460
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

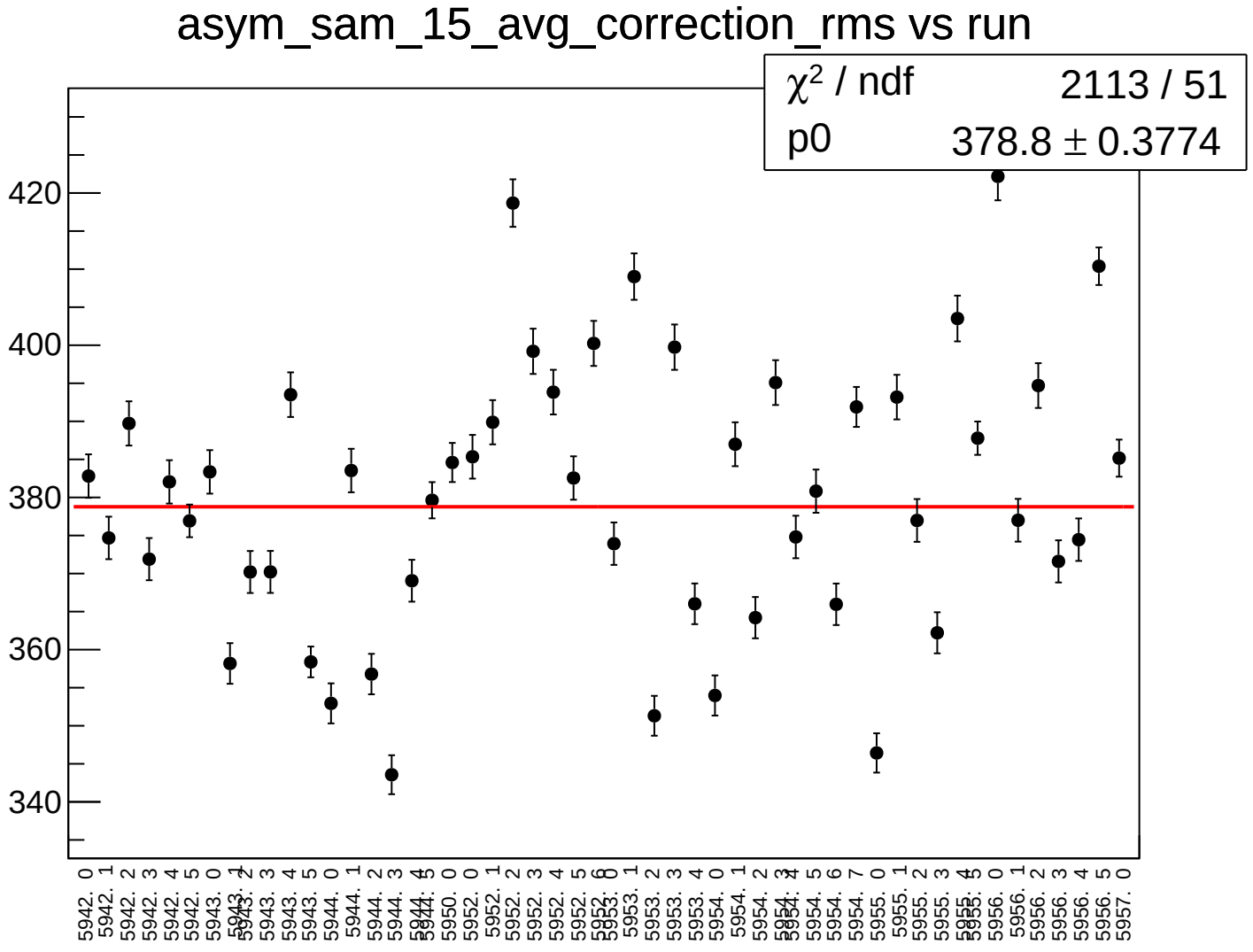

dit_asym_sam_15_avg_mean vs run
χ² / ndf 53.74 / 51
p0 −130.2 ± 101.9
pull
Entries 52
Mean 39.4
Std Dev 48.89

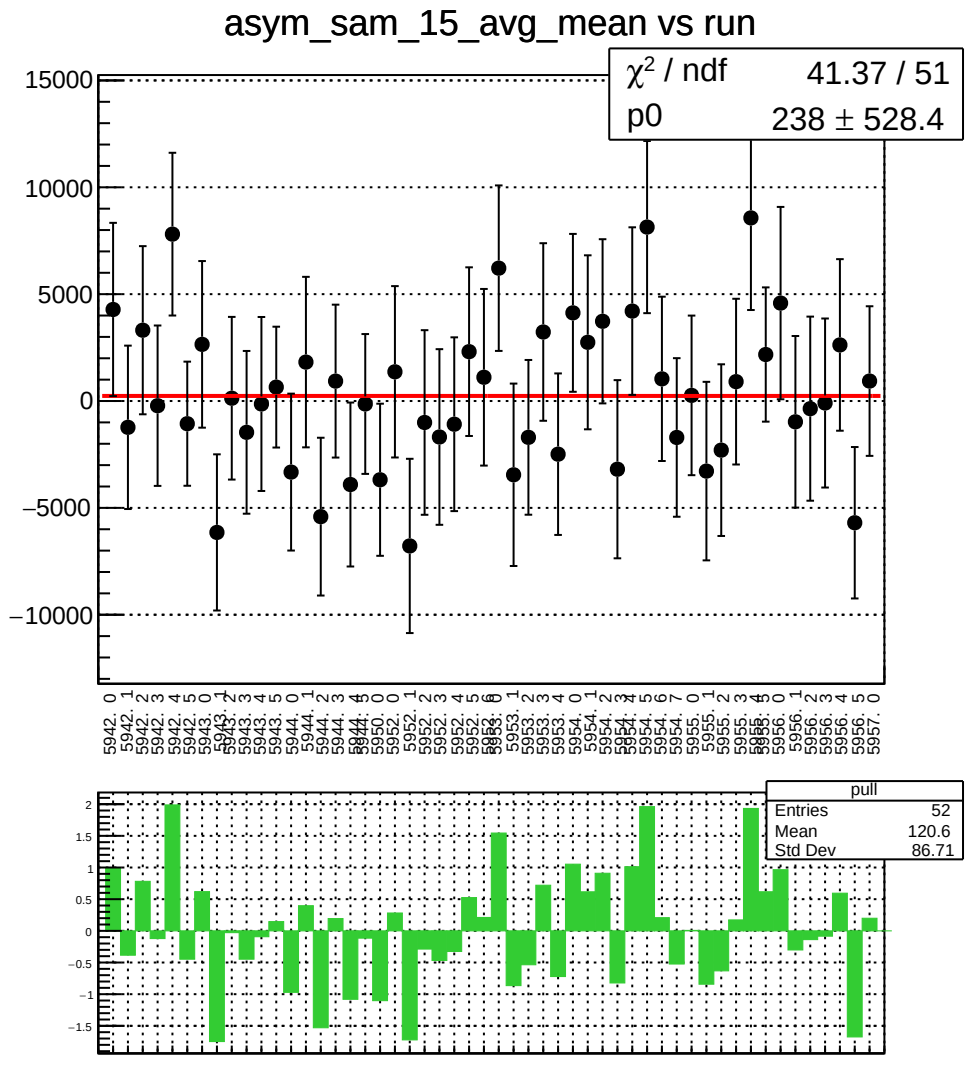

pull1D
Entries 52
Mean 0.01406
Std Dev 1.016

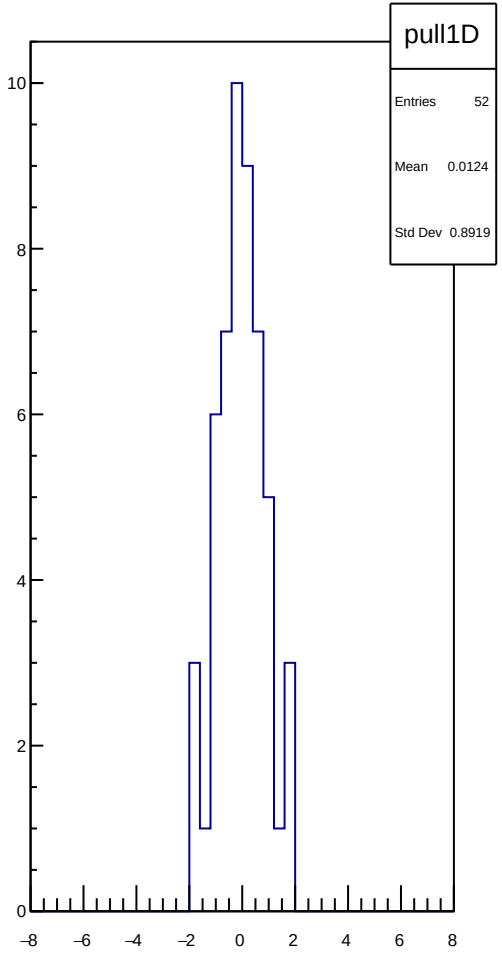

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1333 / 51
p0 72.33 ± 0.07204
80
78
76
74
72
70
68
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

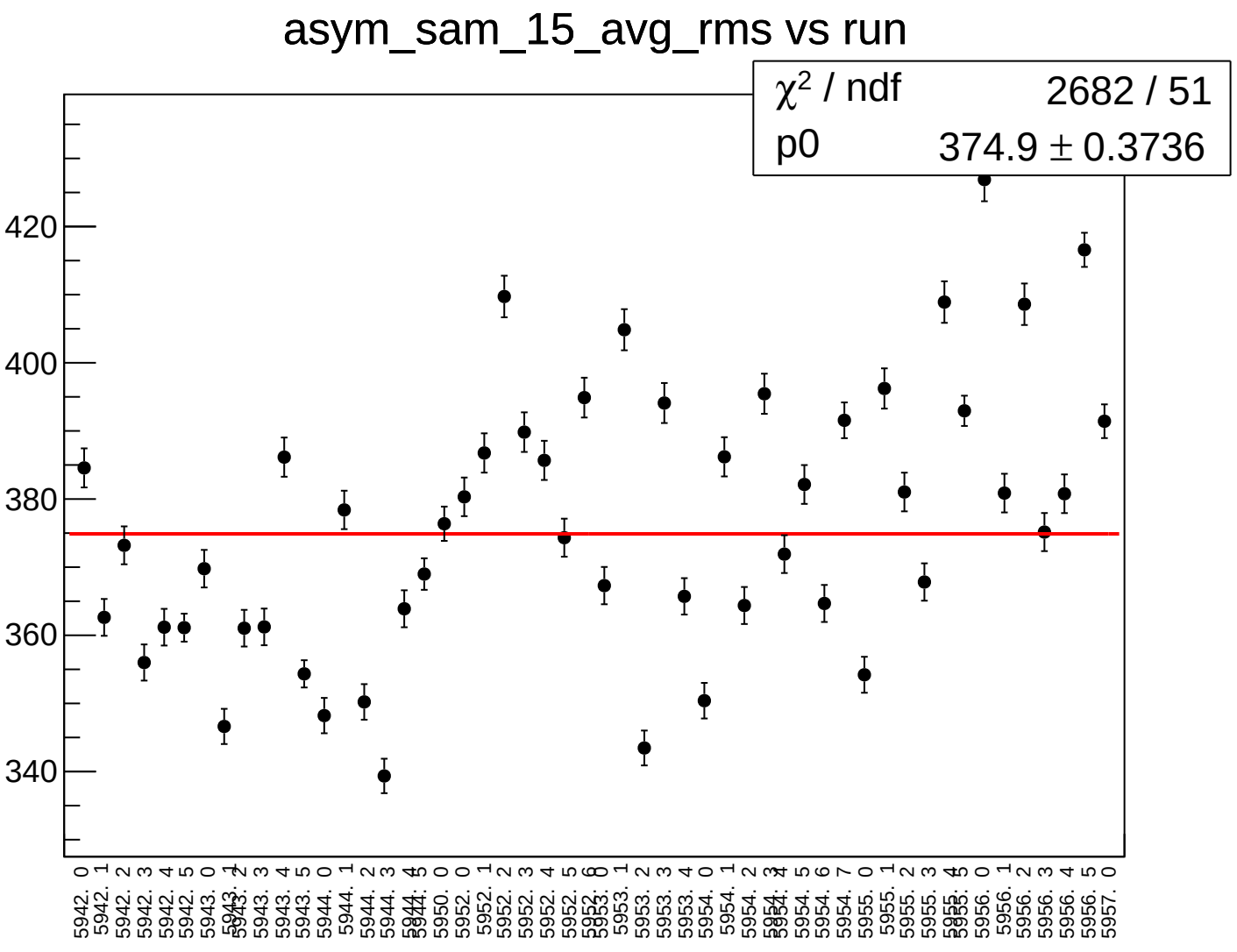

asym_sam_15_avg_correction_mean vs run
χ² / ndf 45.39 / 51
p0 −374.8 ± 533.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 152.4
Std Dev 116.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

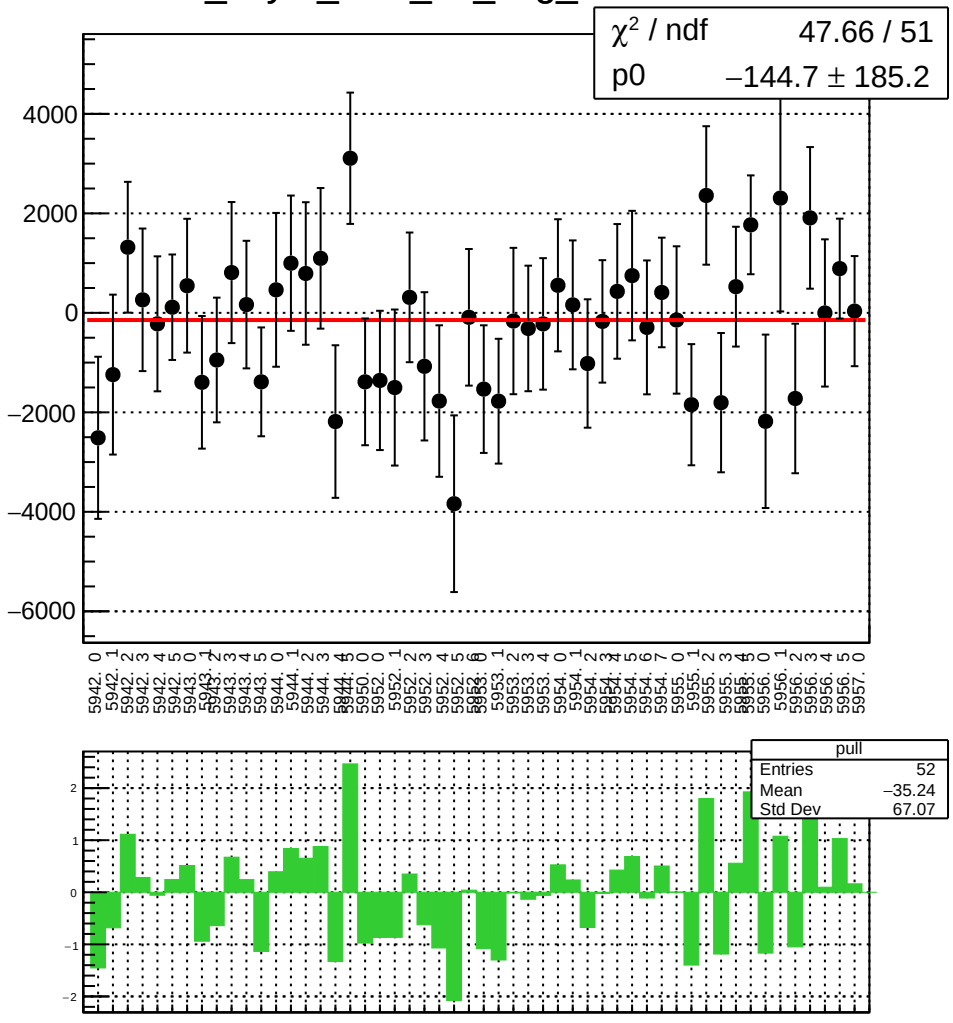

pull1D
Entries 52
Mean −0.009023
Std Dev 0.9343
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

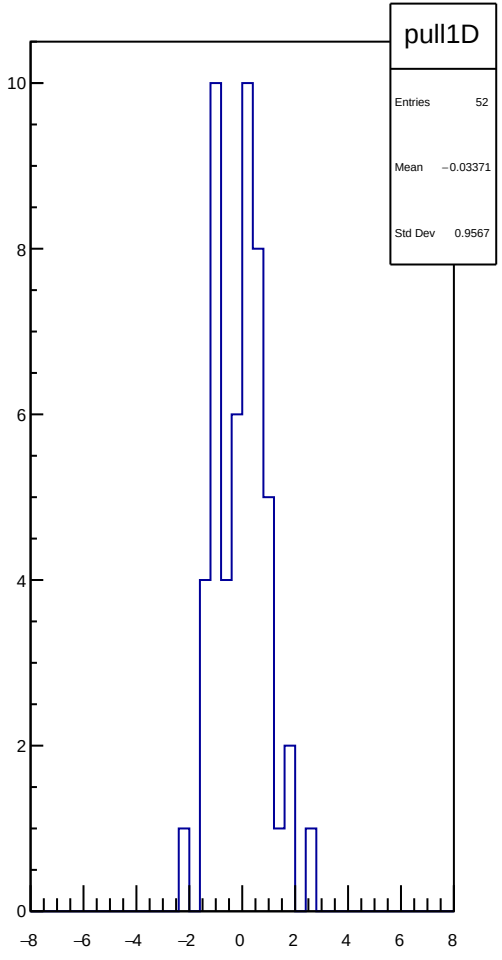

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2113 / 51
p0 378.8 ± 0.3774
420
400
380
360
340
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

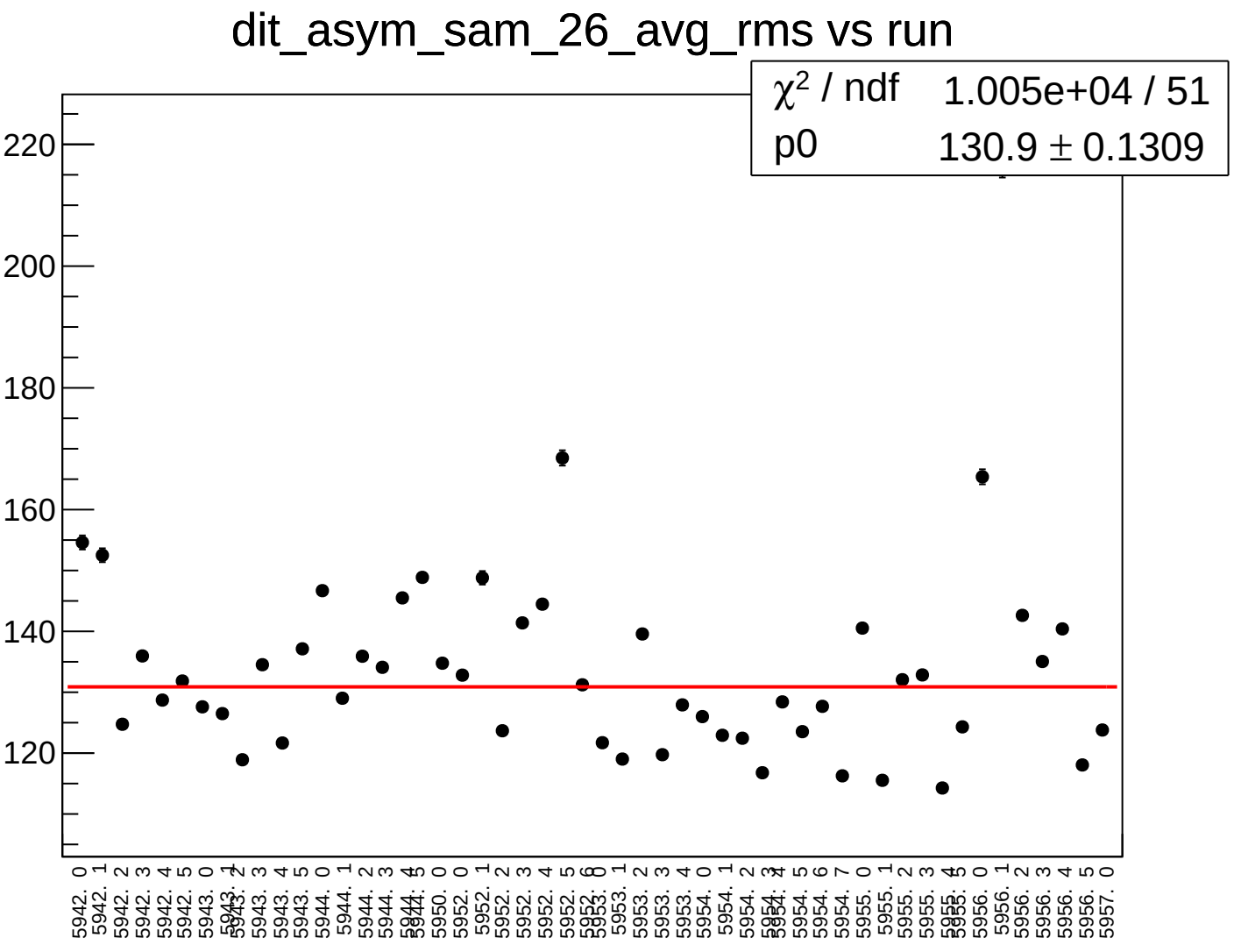

asym_sam_15_avg_mean vs run
χ² / ndf 41.37 / 51
p0 238 ± 528.4
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 120.6
Std Dev 86.71
2
1.5
1
0.5
0
−0.5
−1
−1.5

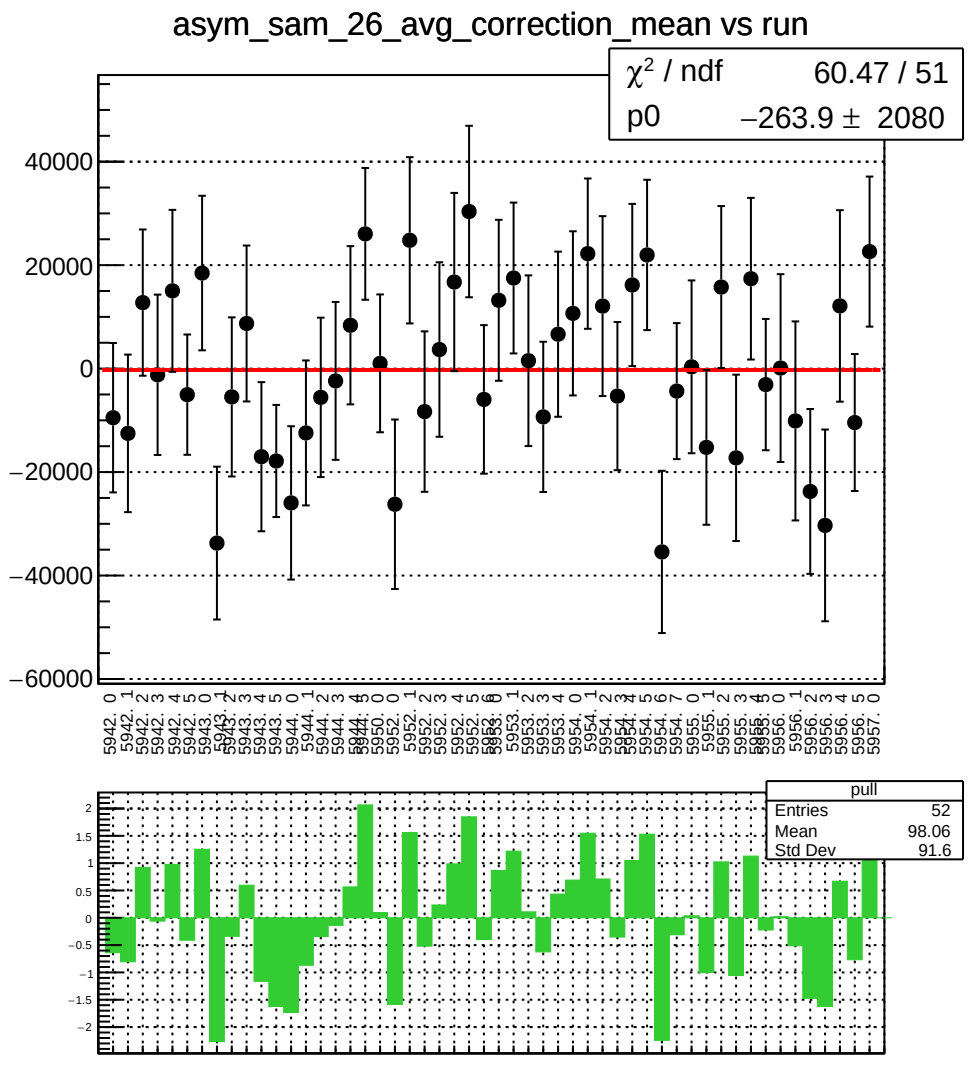

pull1D
Entries 52
Mean 0.0124
Std Dev 0.8919
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

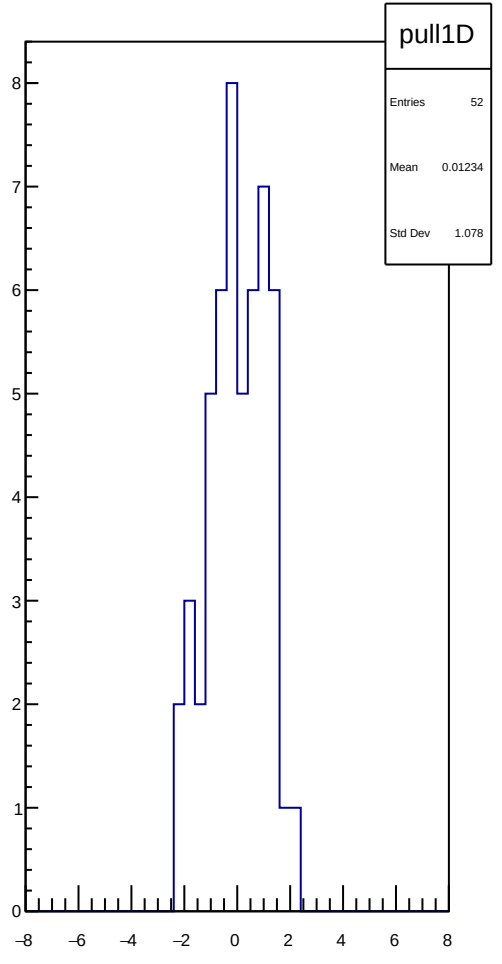

asym_sam_15_avg_rms vs run
χ² / ndf 2682 / 51
p0 374.9 ± 0.3736
420
400
380
360
340
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

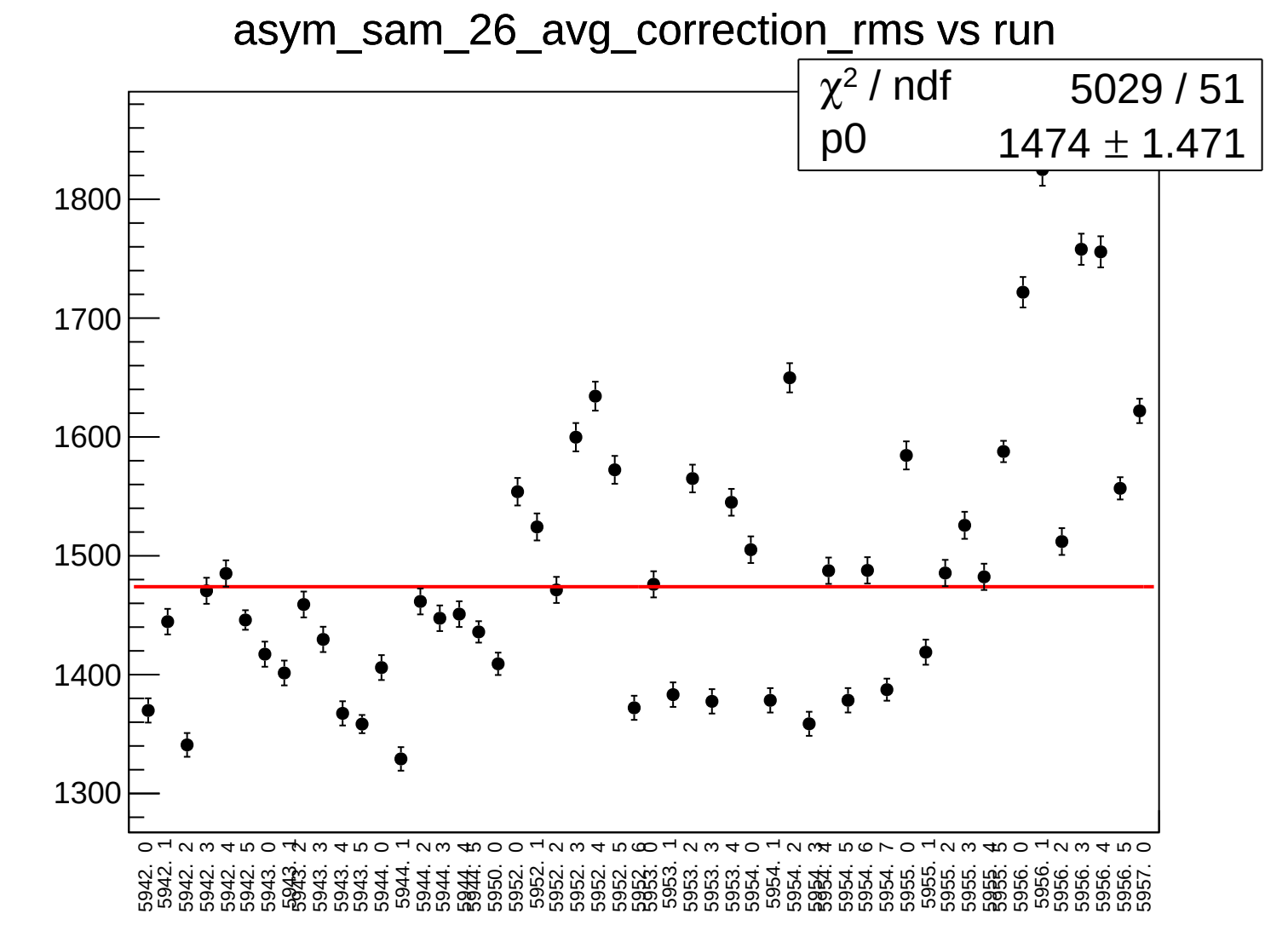

dit_asym_sam_26_avg_mean vs run
χ² / ndf 47.66 / 51
p0 −144.7 ± 185.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean −35.24
Std Dev 67.07
2
1
0
−1
−2

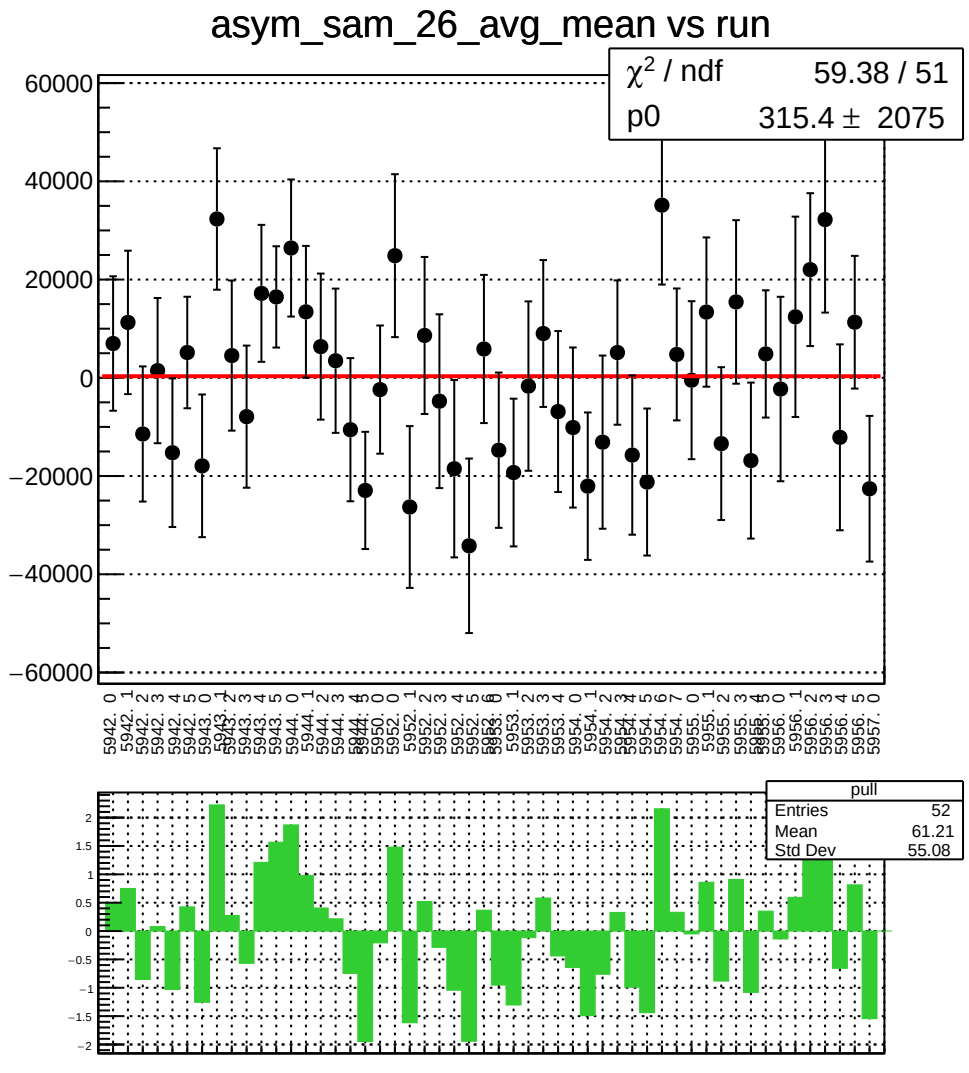

pull1D
Entries 52
Mean −0.03371
Std Dev 0.9567
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

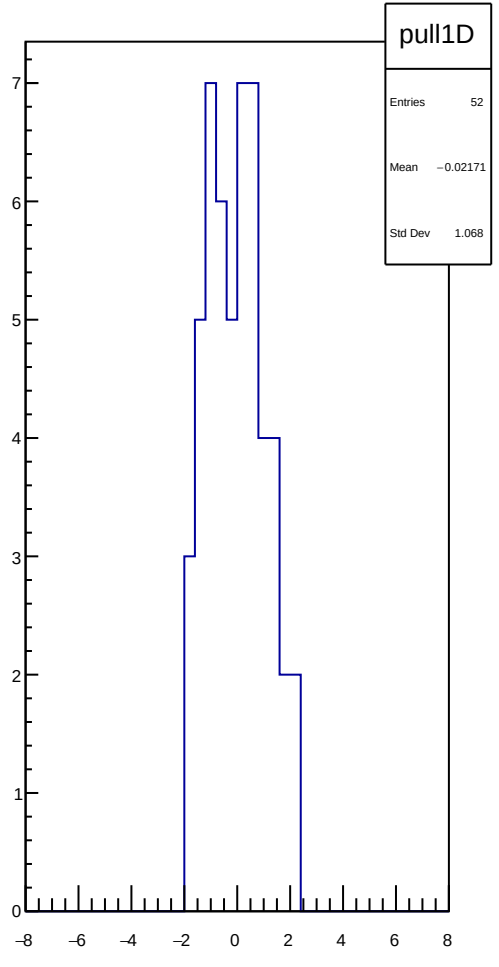

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.005e+04 / 51
p0 130.9 ± 0.1309
220
200
180
160
140
120
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

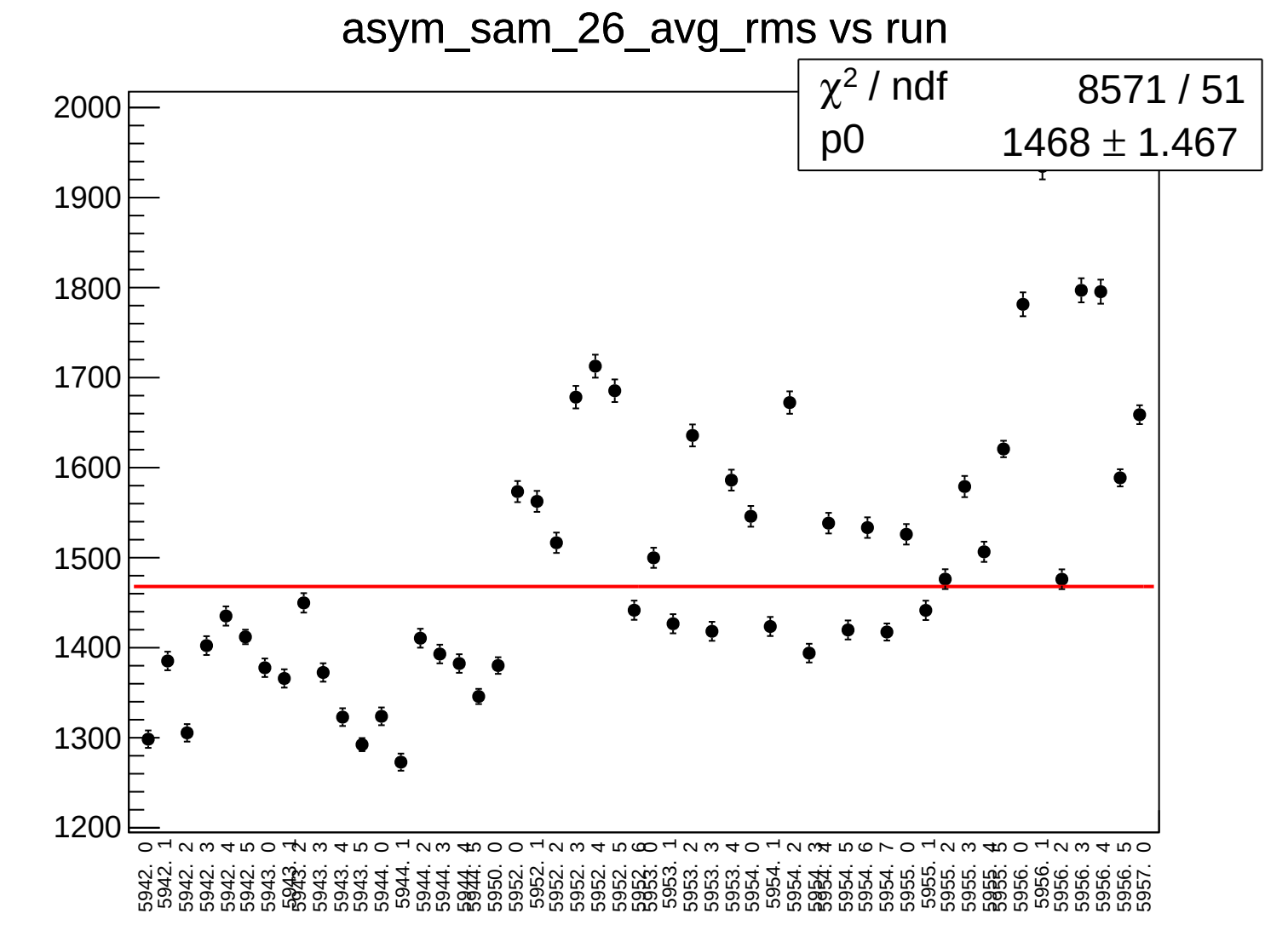

asym_sam_26_avg_correction_mean vs run
χ² / ndf 60.47 / 51
p0 −263.9 ± 2080
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 98.06
Std Dev 91.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

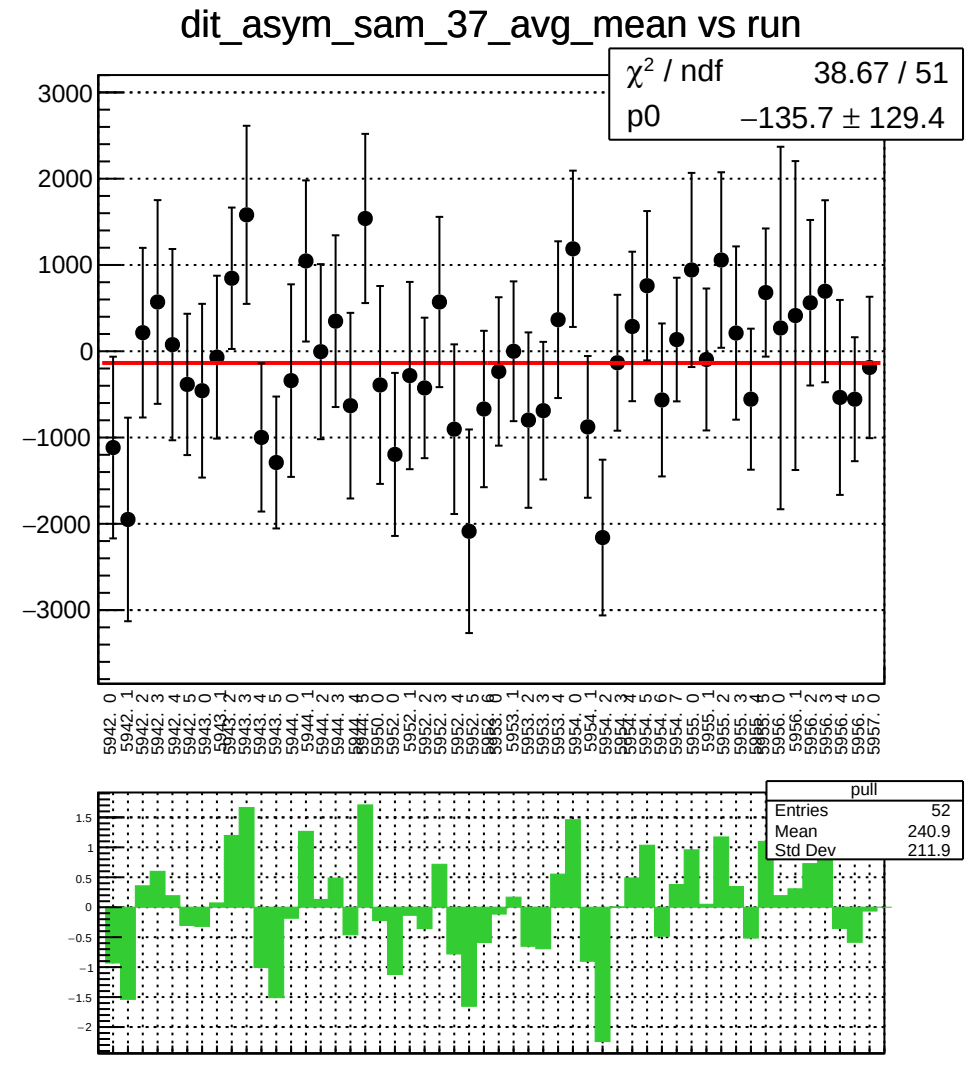

pull1D
Entries 52
Mean 0.01234
Std Dev 1.078
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

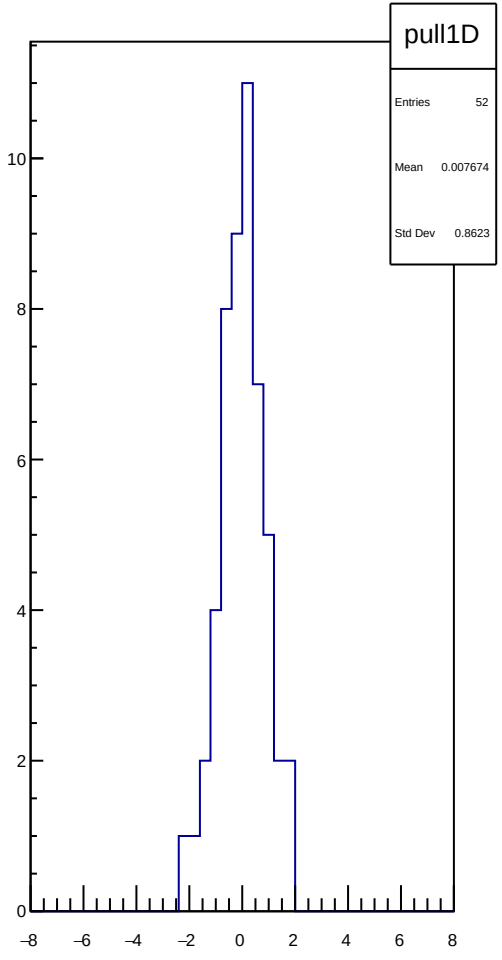

asym_sam_26_avg_correction_rms vs run
χ² / ndf 5029 / 51
p0 1474 ± 1.471
1800
1700
1600
1500
1400
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

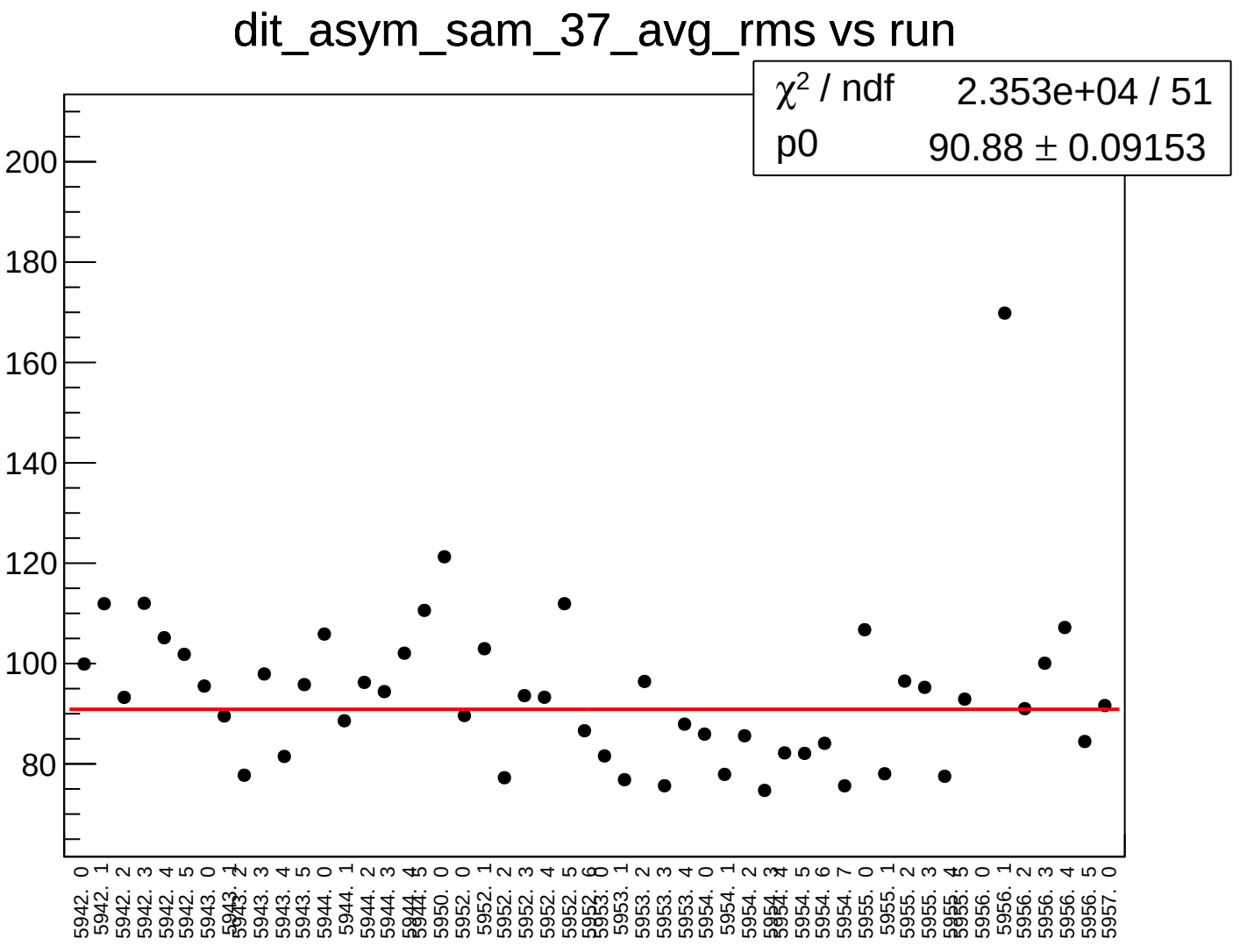

asym_sam_26_avg_mean vs run
χ^2 / ndf 59.38 / 51
p0 315.4 ± 2075
pull
Entries 52
Mean 61.21
Std Dev 55.08

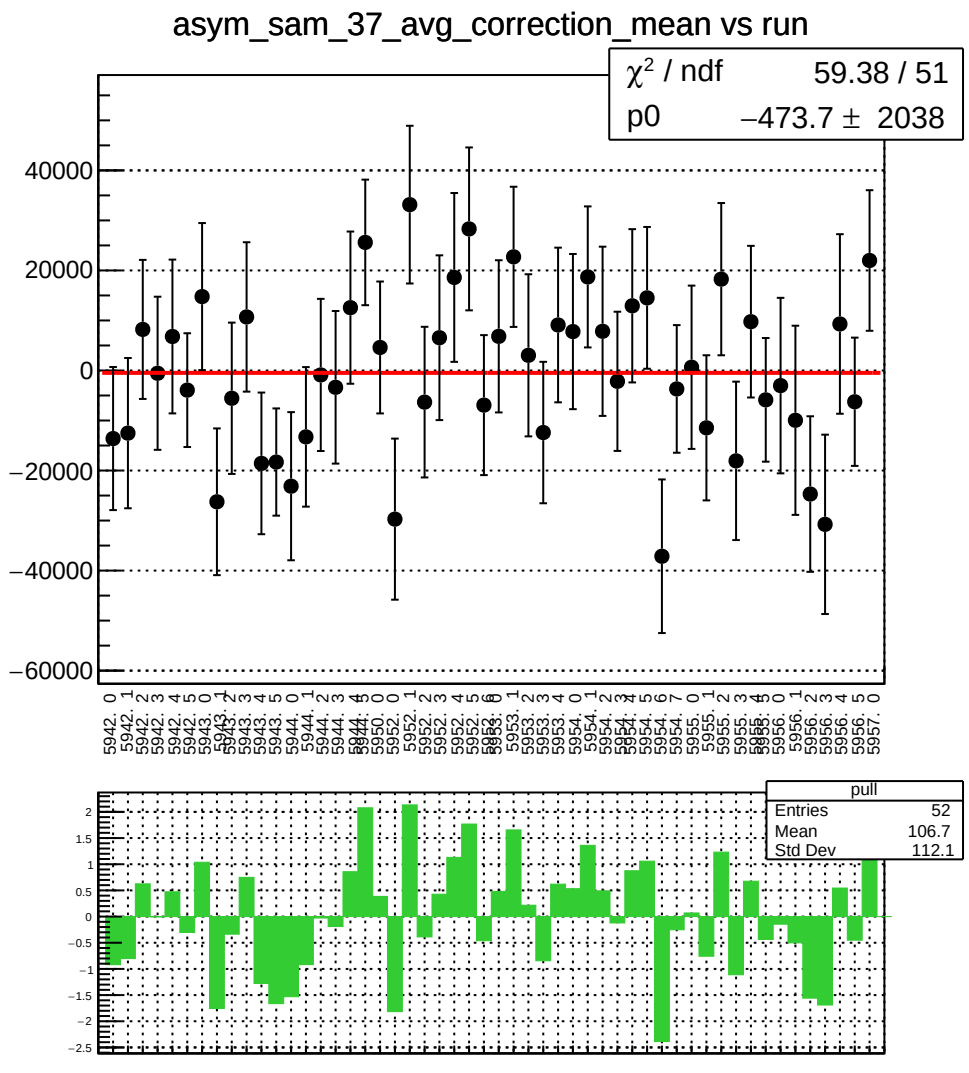

pull1D
Entries 52
Mean −0.02171
Std Dev 1.068

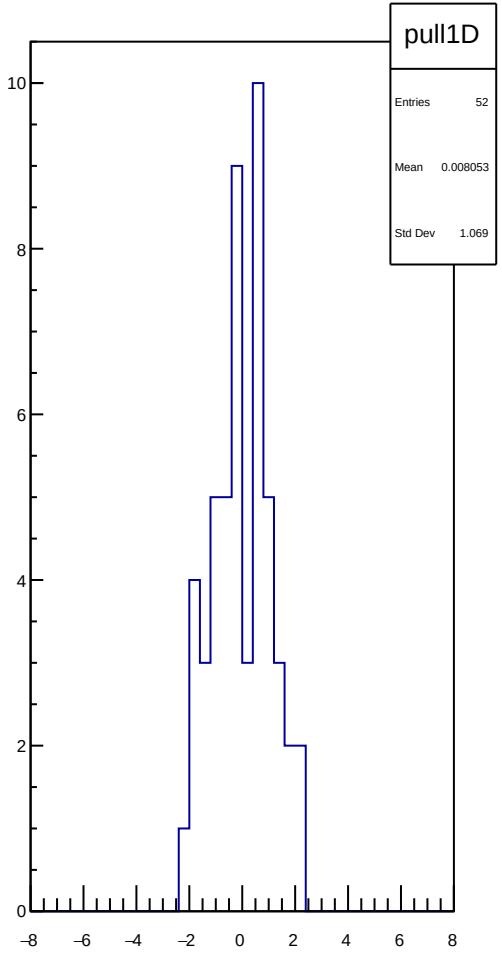

asym_sam_26_avg_rms vs run
χ² / ndf 8571 / 51
p0 1468 ± 1.467
2000
1900
1800
1700
1600
1500
1400
1300
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

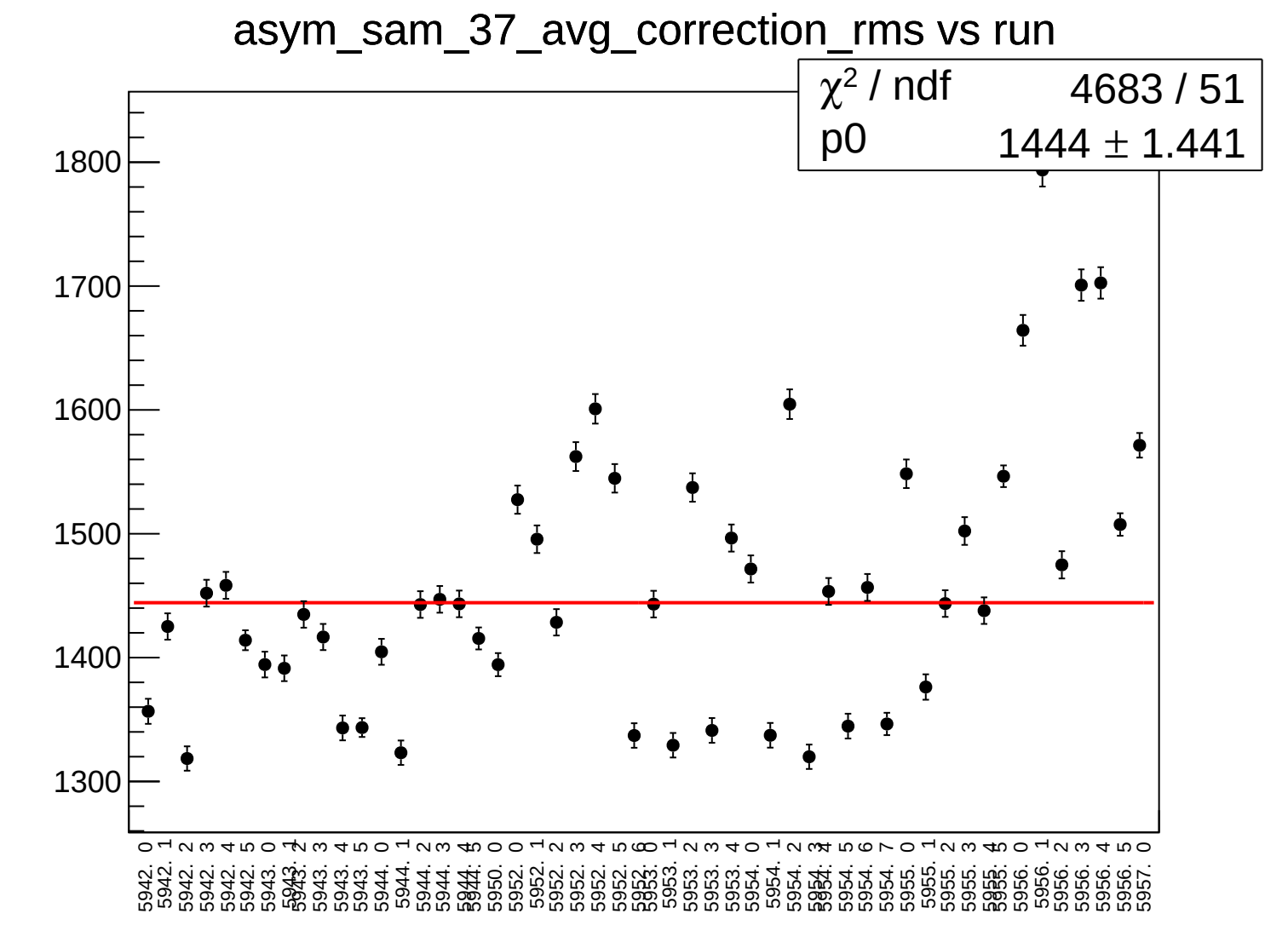

dit_asym_sam_37_avg_mean vs run
χ² / ndf 38.67 / 51
p0 −135.7 ± 129.4
pull
Entries 52
Mean 240.9
Std Dev 211.9

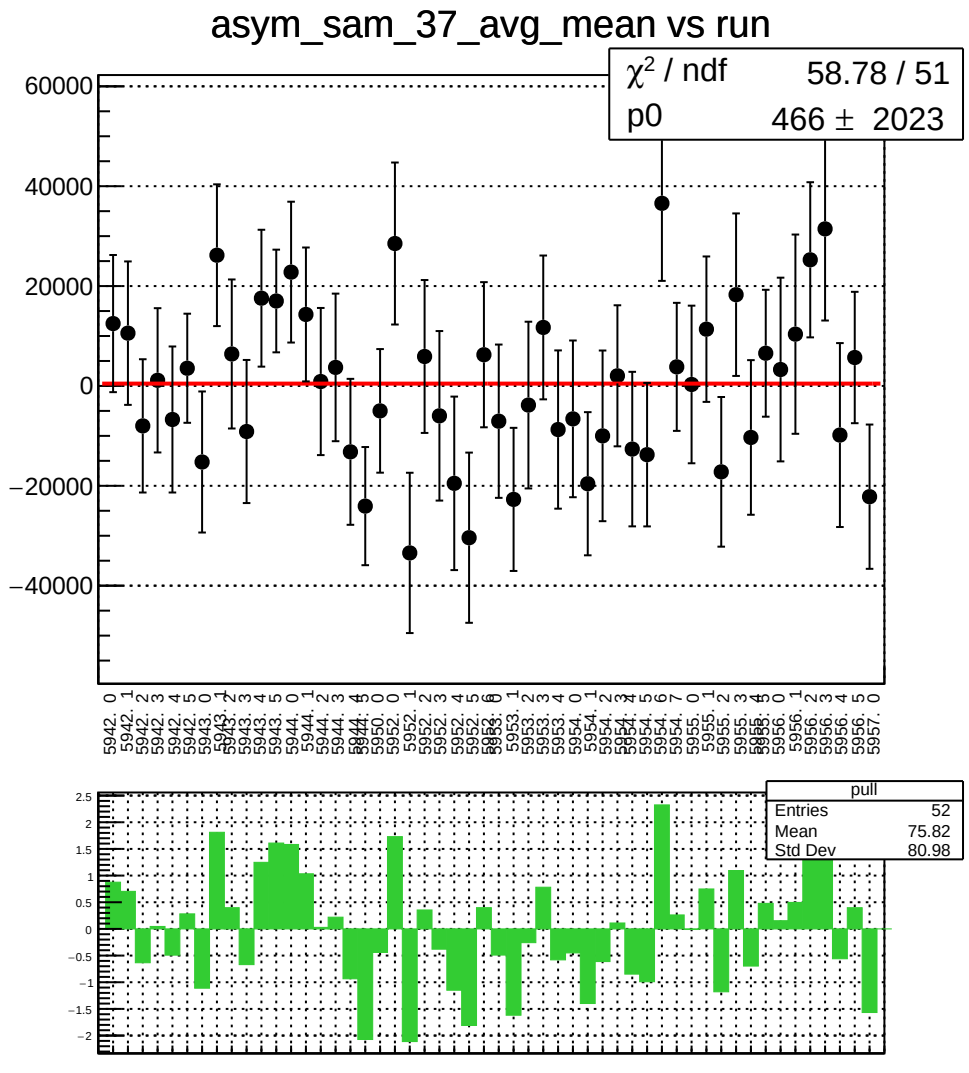

pull1D
Entries 52
Mean 0.007674
Std Dev 0.8623

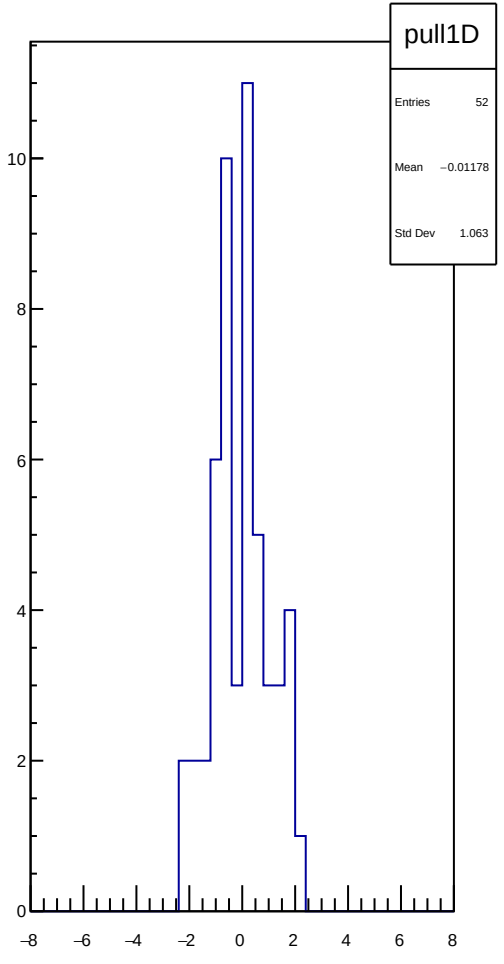

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2.353e+04 / 51
p0 90.88 ± 0.09153
200
180
160
140
120
100
80
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

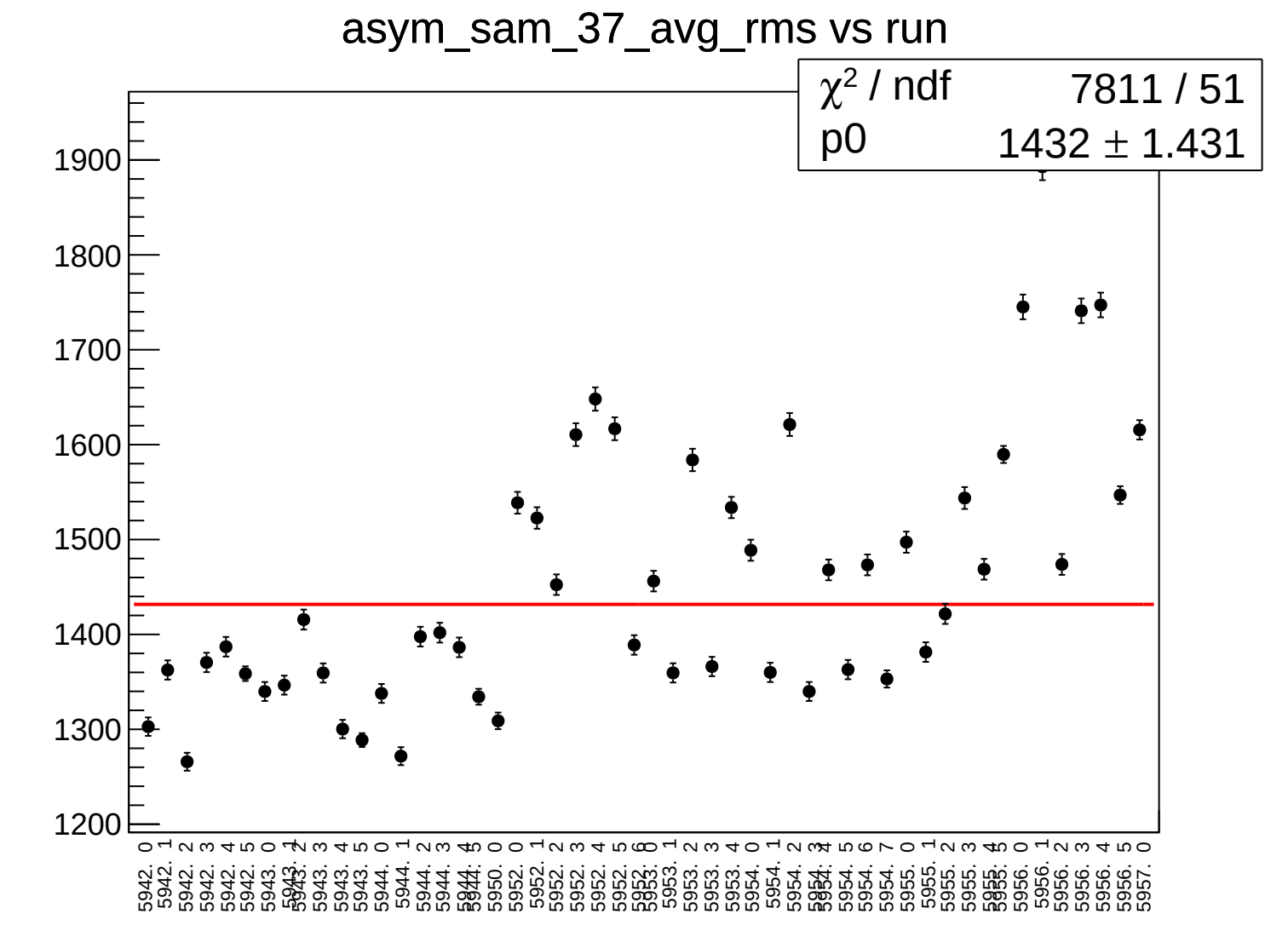

asym_sam_37_avg_correction_mean vs run
χ² / ndf 59.38 / 51
p0 −473.7 ± 2038
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 106.7
Std Dev 112.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

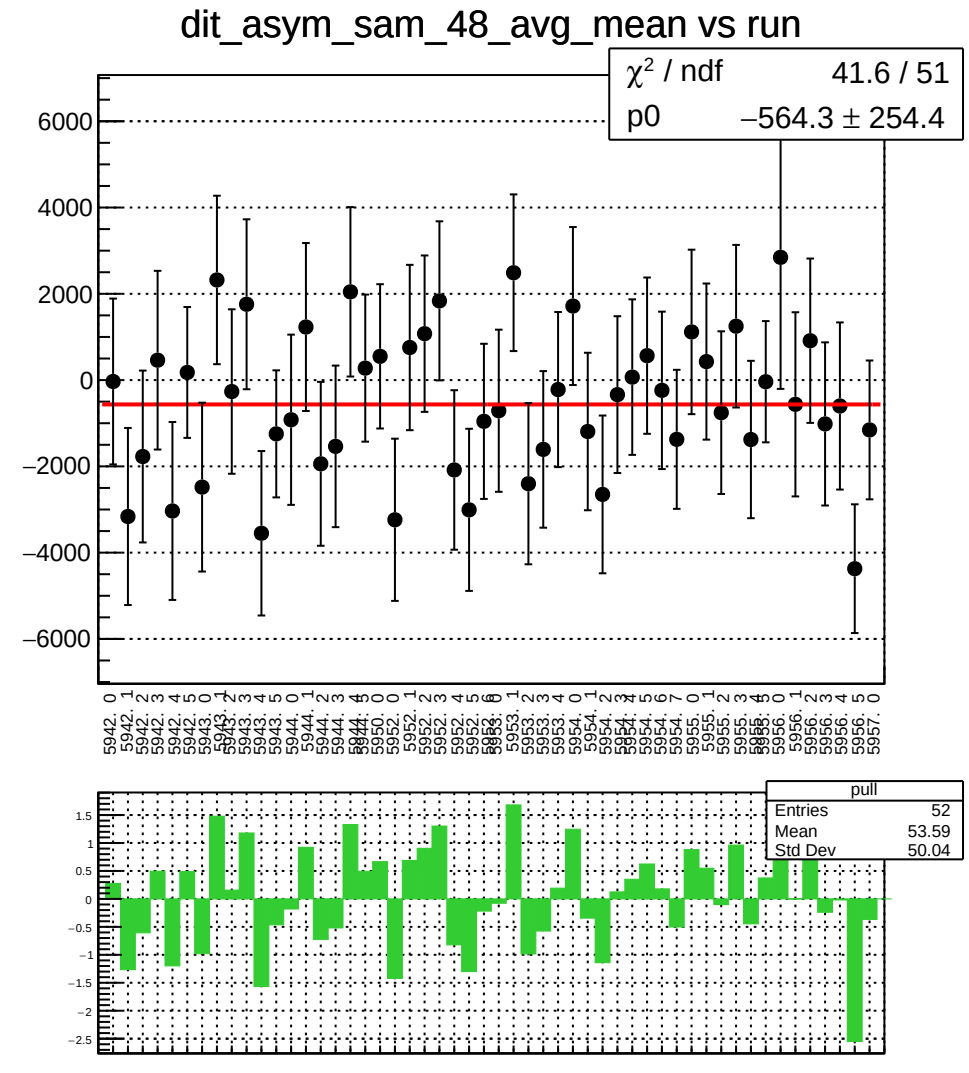

pull1D
Entries 52
Mean 0.008053
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

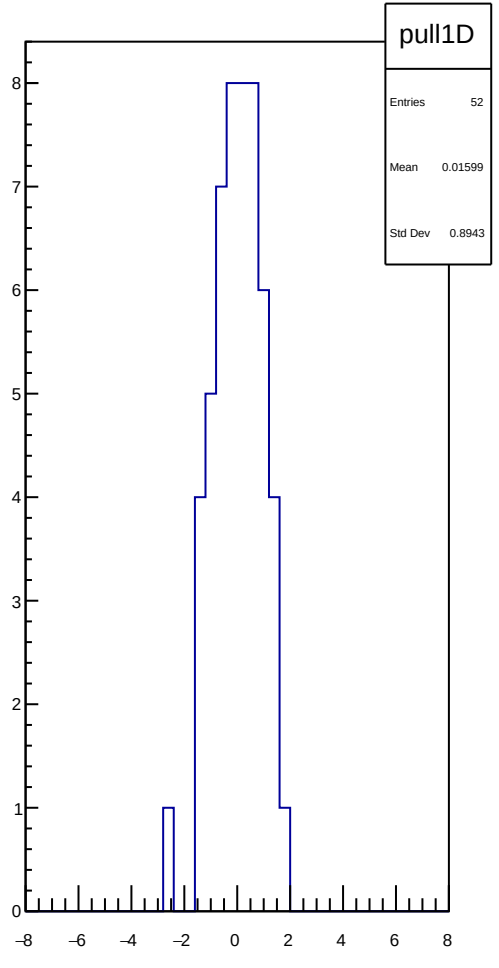

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4683 / 51
p0 1444 ± 1.441
1800
1700
1600
1500
1400
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

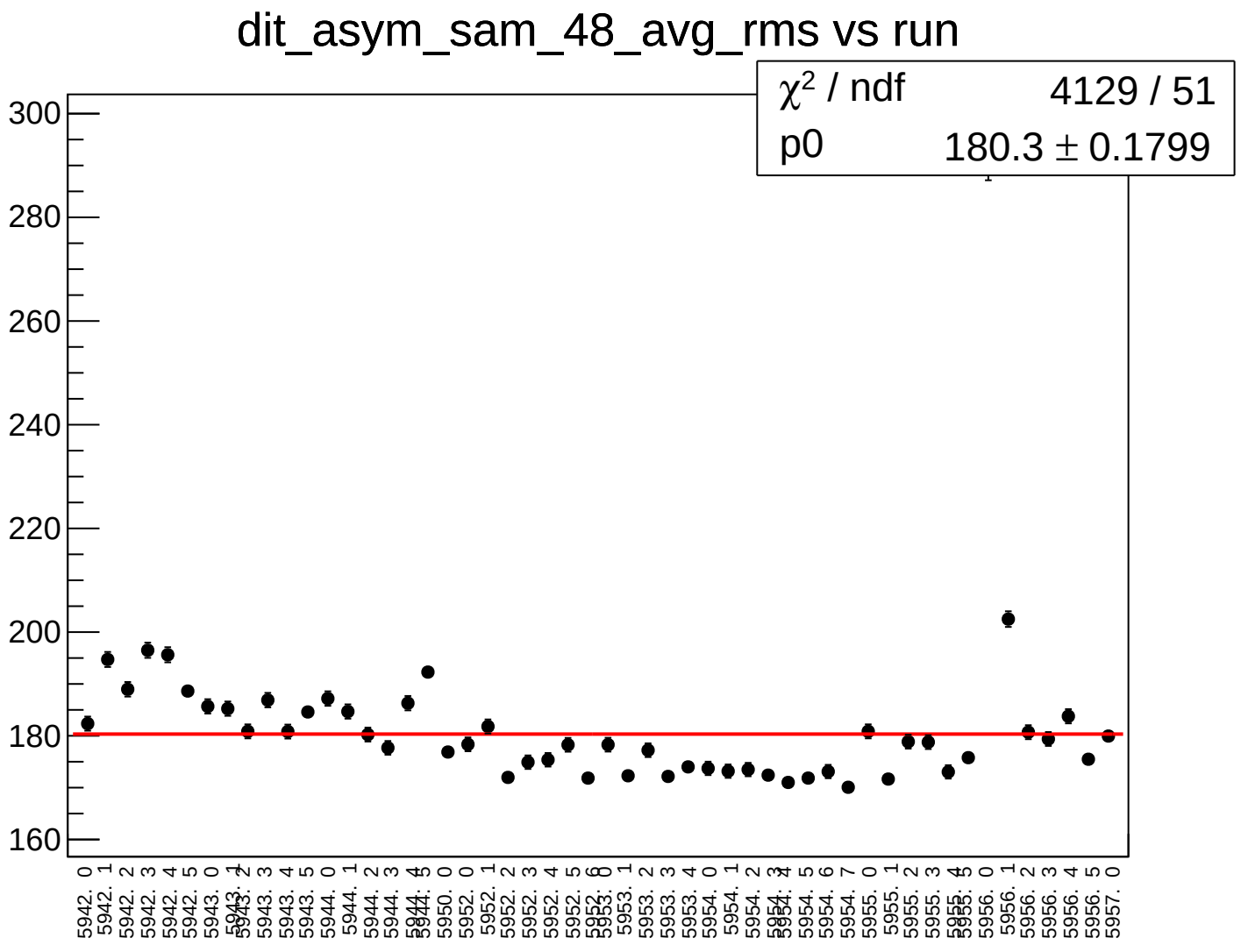

asym_sam_37_avg_mean vs run
χ² / ndf 58.78 / 51
p0 466 ± 2023
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 75.82
Std Dev 80.98
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

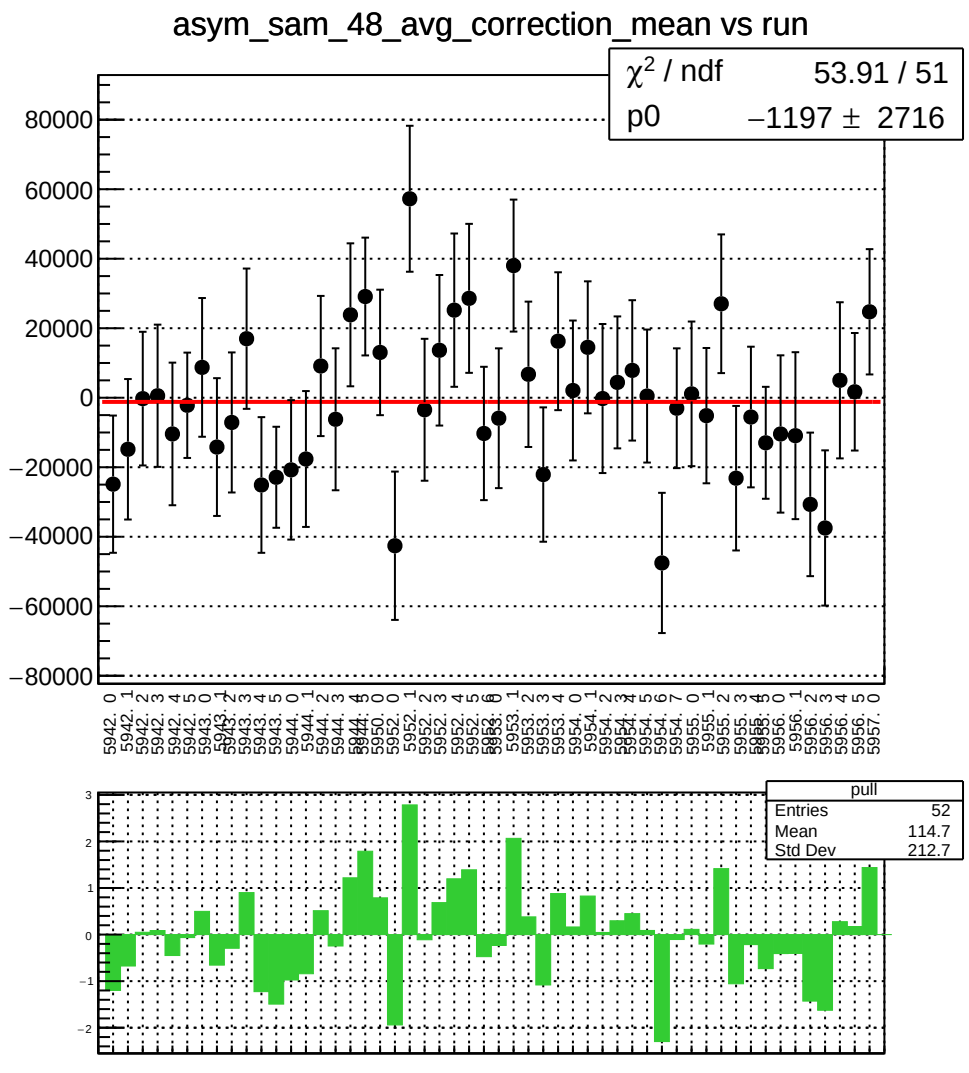

pull1D
Entries 52
Mean −0.01178
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

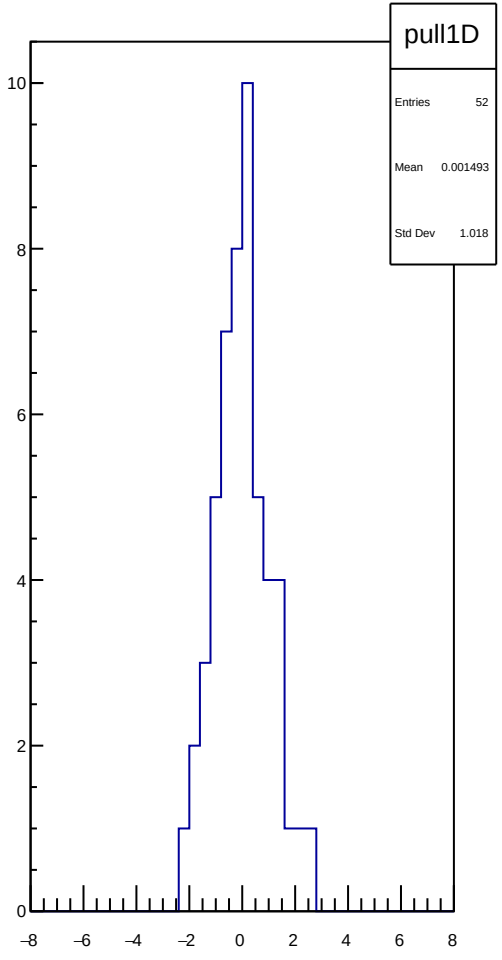

asym_sam_37_avg_rms vs run
χ² / ndf 7811 / 51
p0 1432 ± 1.431
1900
1800
1700
1600
1500
1400
1300
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

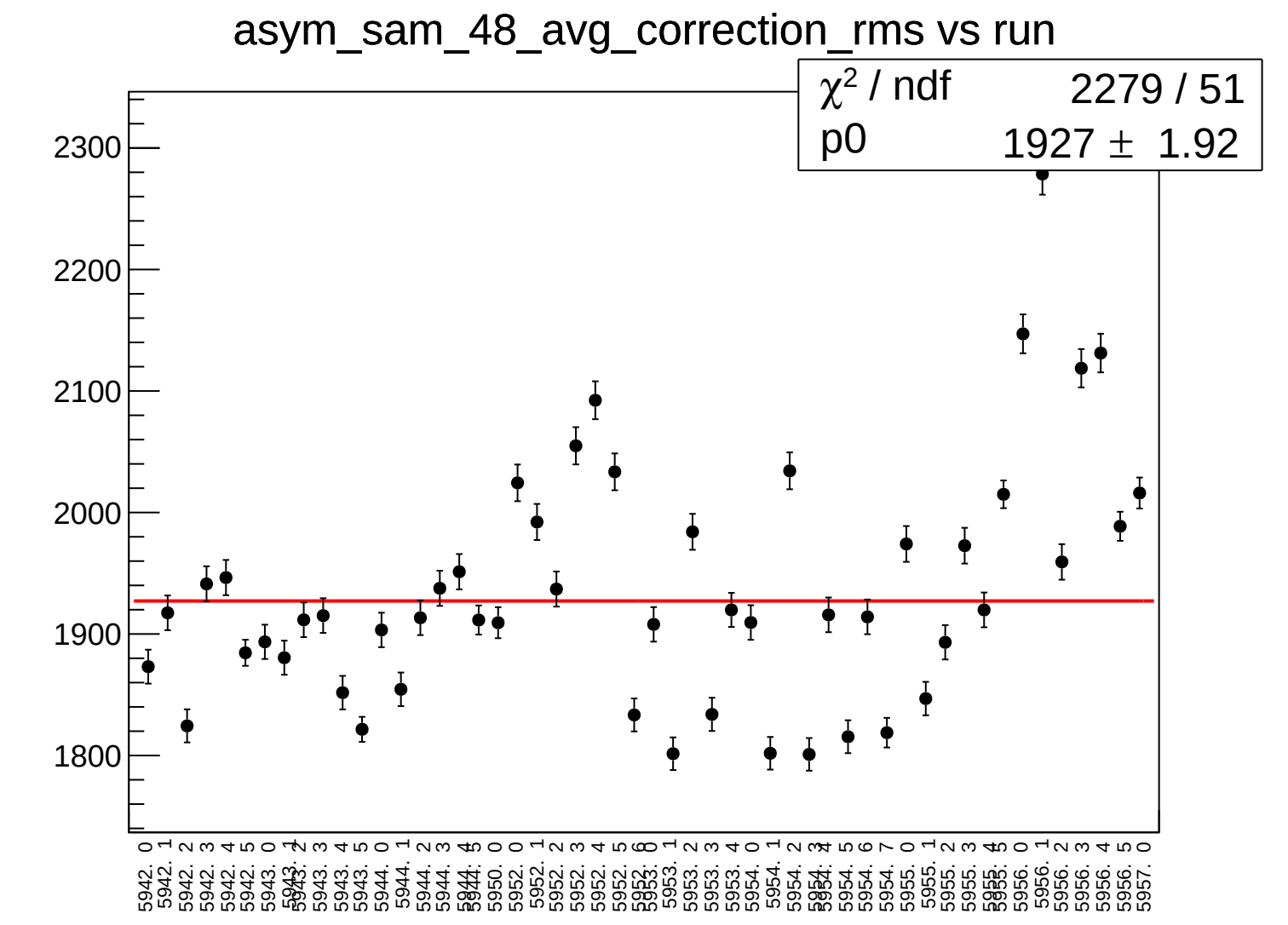

dit_asym_sam_48_avg_mean vs run
χ² / ndf 41.6 / 51
p0 −564.3 ± 254.4
pull
Entries 52
Mean 53.59
Std Dev 50.04

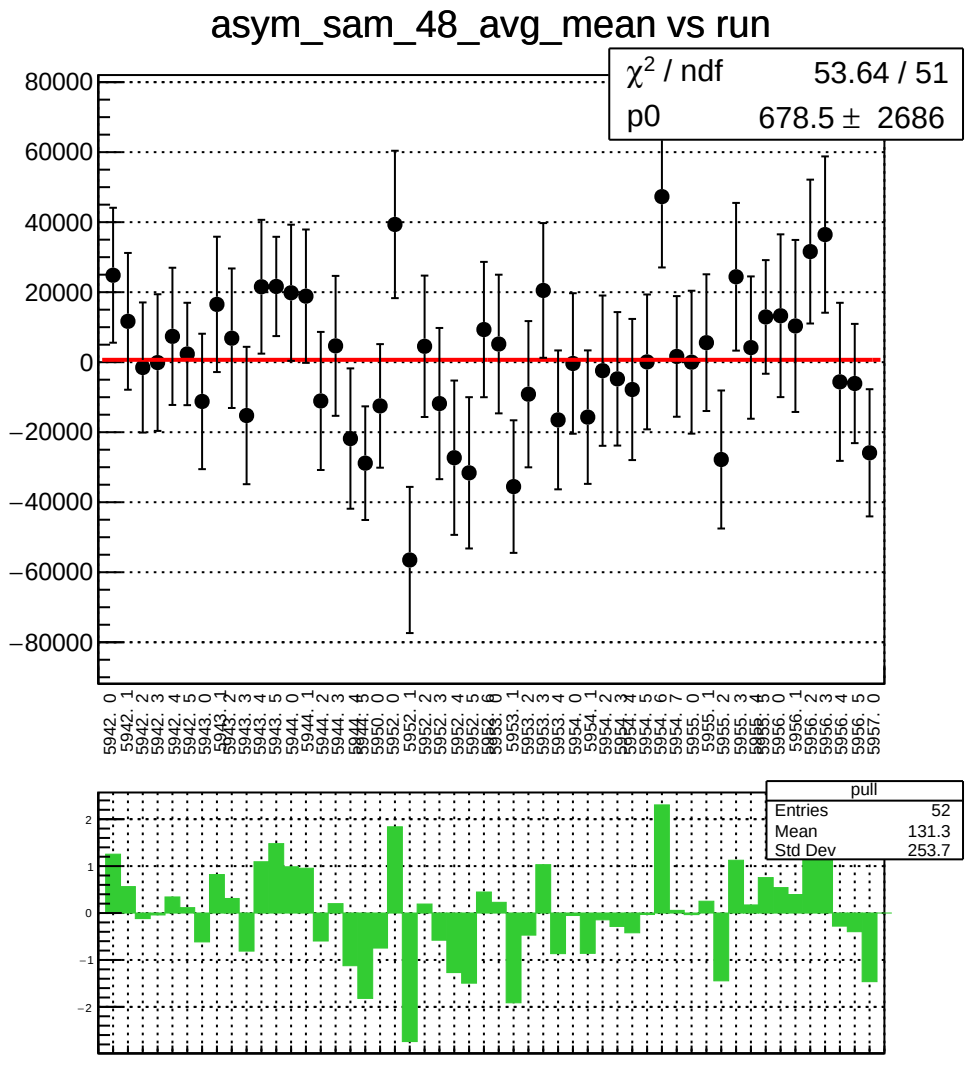

pull1D
Entries 52
Mean 0.01599
Std Dev 0.8943

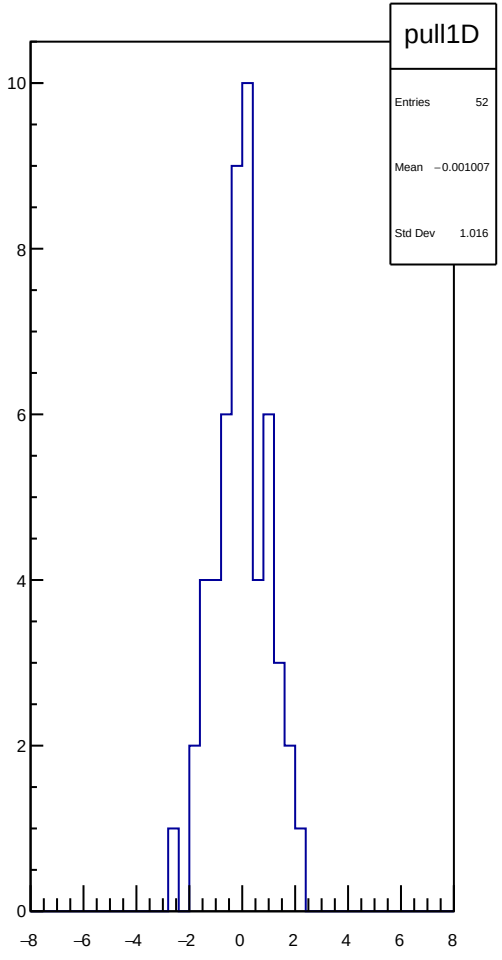

dit_asym_sam_48_avg_rms vs run
χ² / ndf 4129 / 51
p0 180.3 ± 0.1799
300
280
260
240
220
200
180
160
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

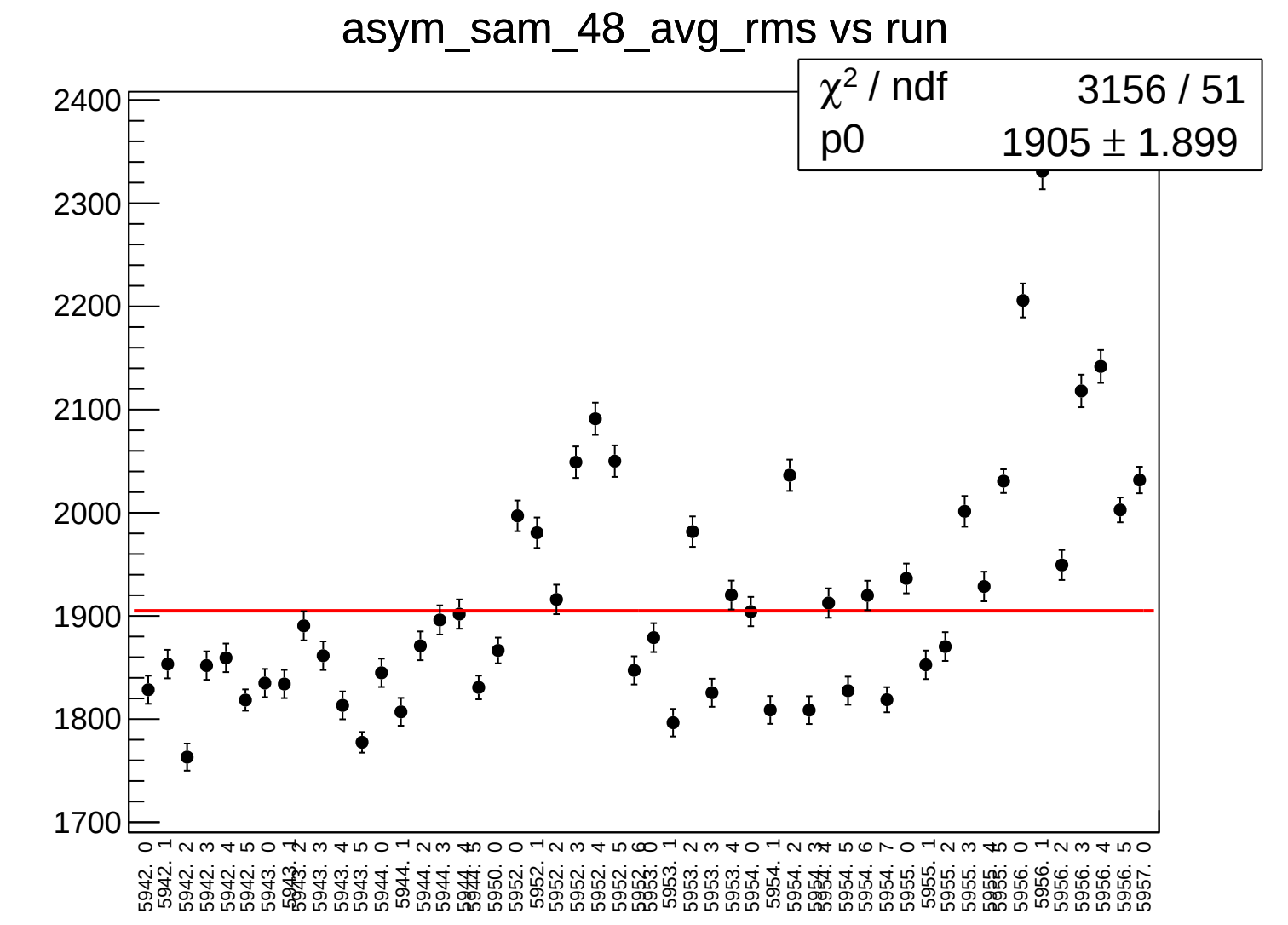

asym_sam_48_avg_correction_mean vs run
χ² / ndf 53.91 / 51
p0 −1197 ± 2716
pull
Entries 52
Mean 114.7
Std Dev 212.7

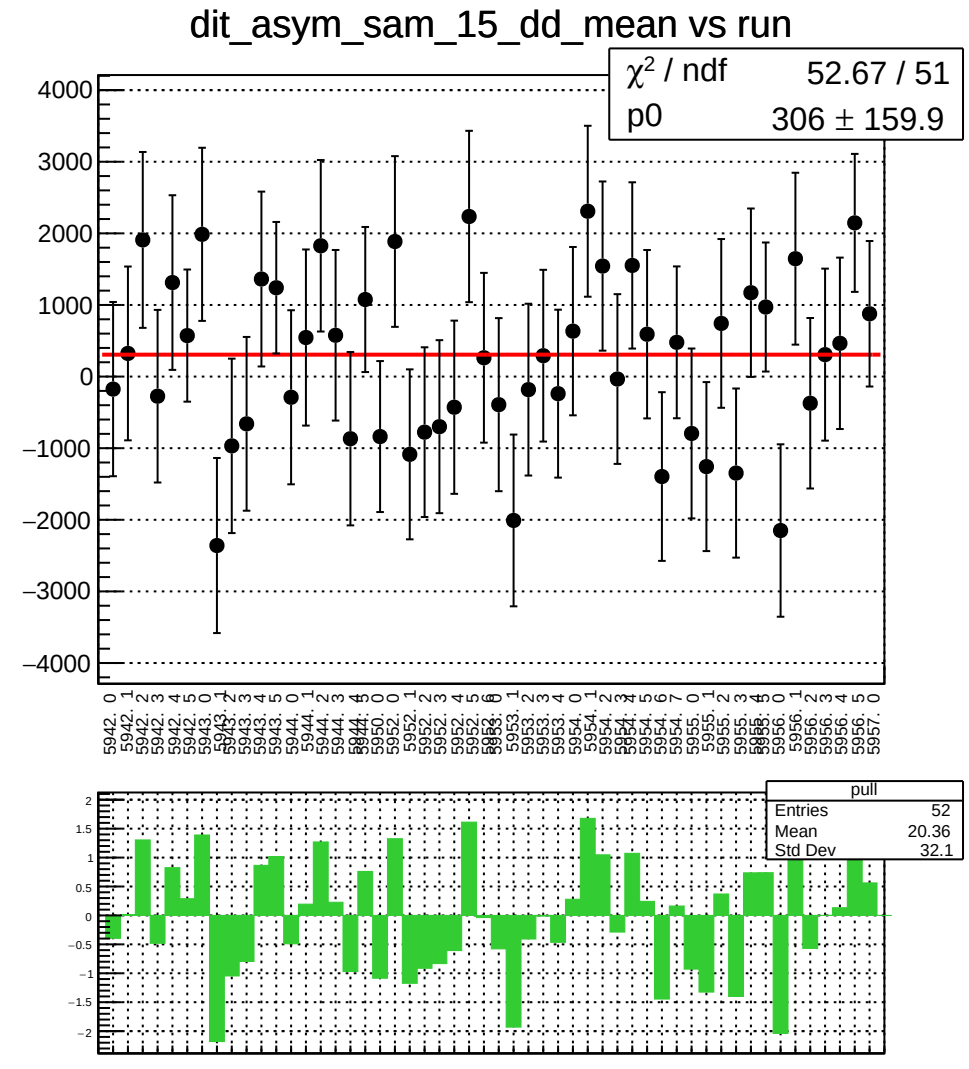

pull1D
Entries 52
Mean 0.001493
Std Dev 1.018

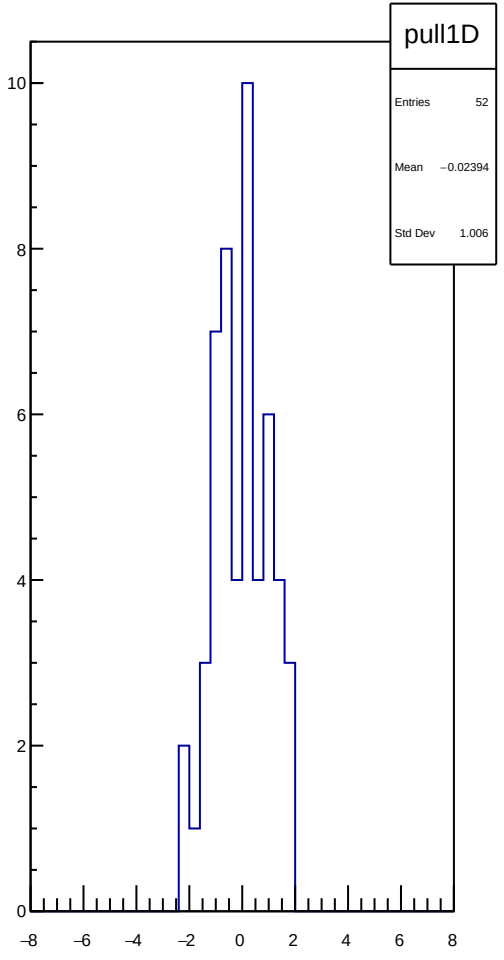

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2279 / 51
p0 1927 ± 1.92
2300
2200
2100
2000
1900
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

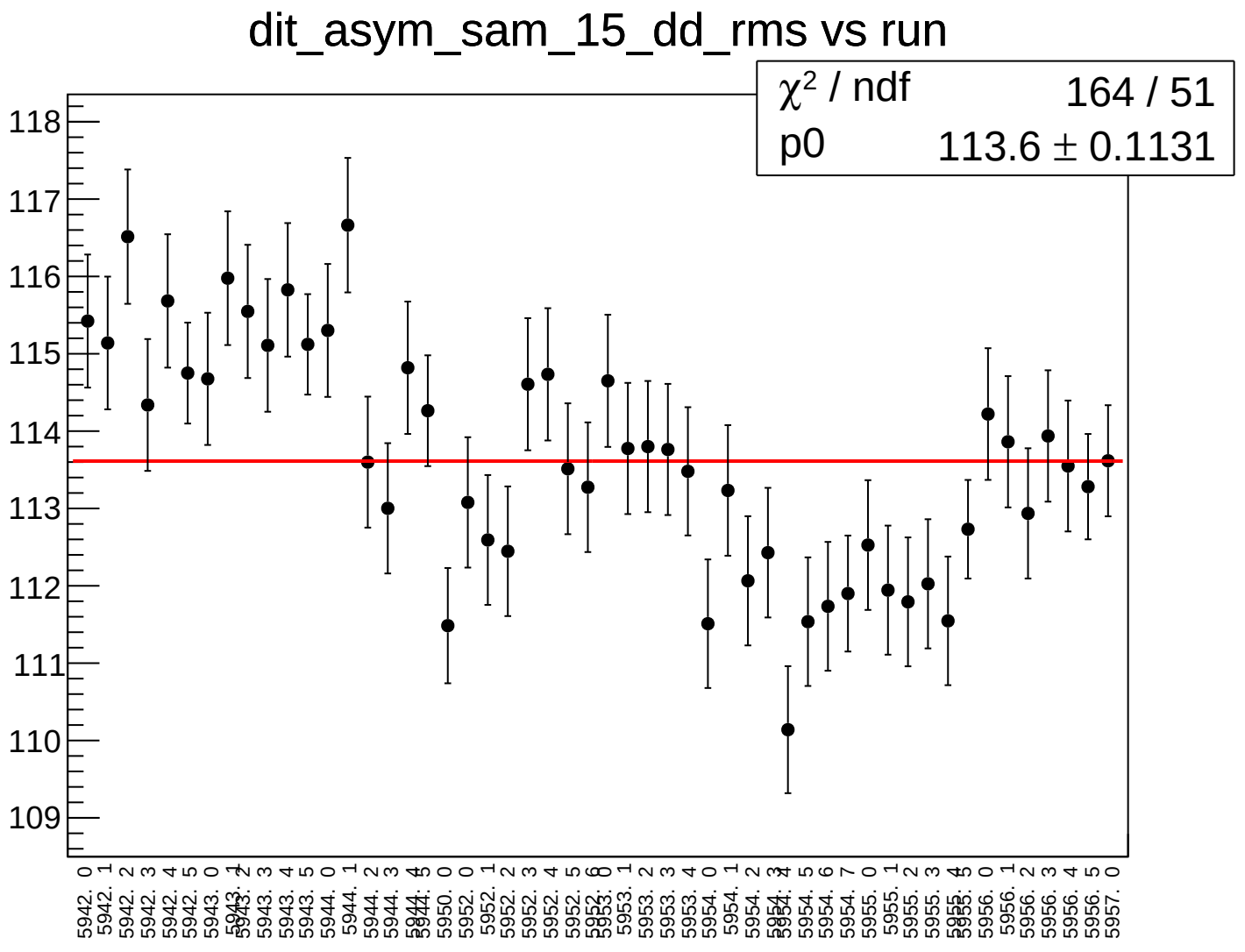

asym_sam_48_avg_mean vs run
χ² / ndf 53.64 / 51
p0 678.5 ± 2686
pull
Entries 52
Mean 131.3
Std Dev 253.7

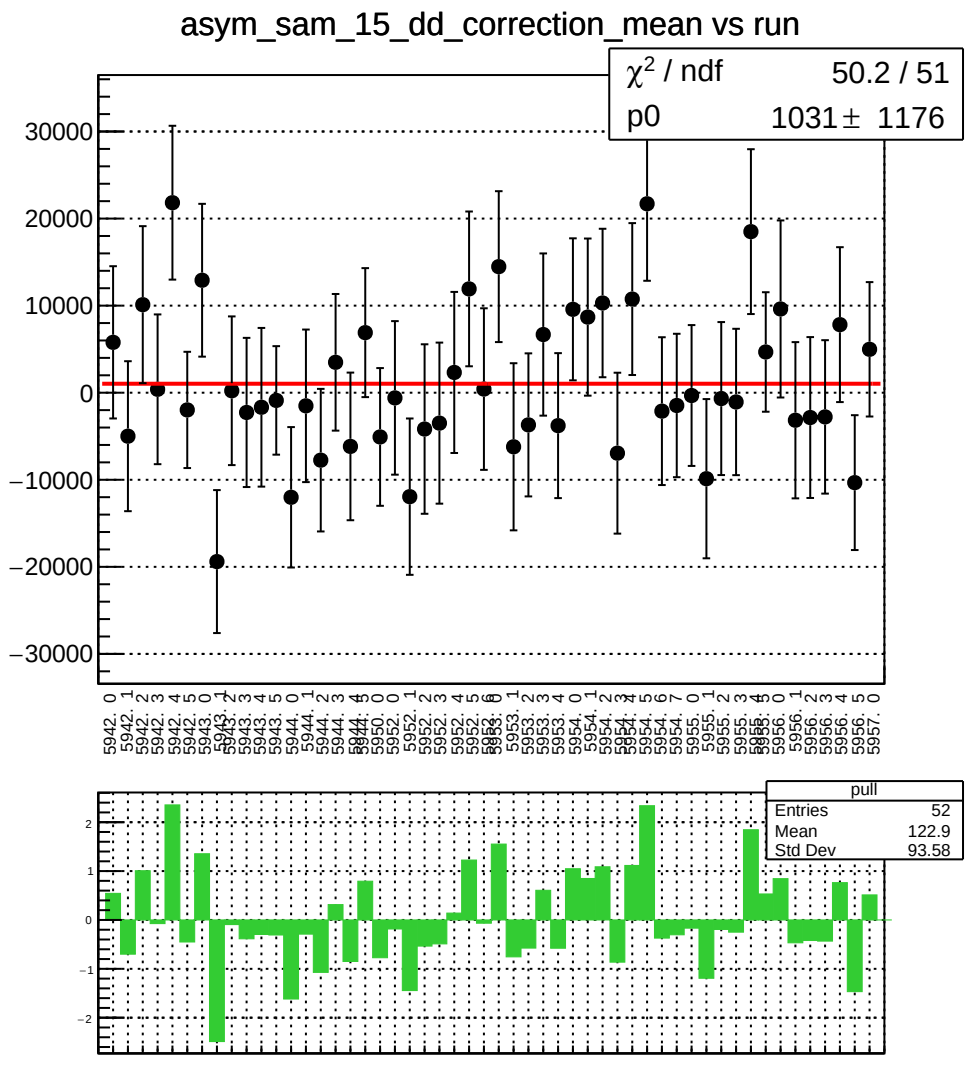

pull1D
Entries 52
Mean −0.001007
Std Dev 1.016

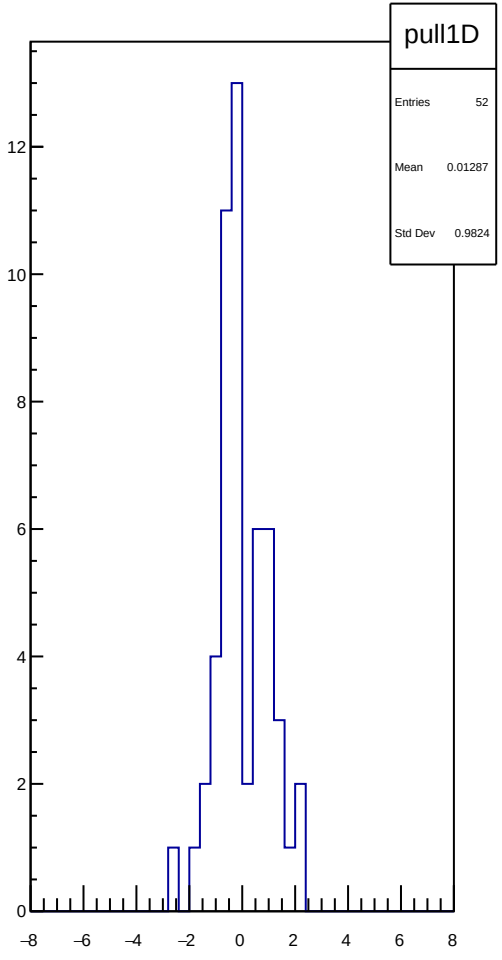

asym_sam_48_avg_rms vs run
χ² / ndf 3156 / 51
p0 1905 ± 1.899
2400
2300
2200
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

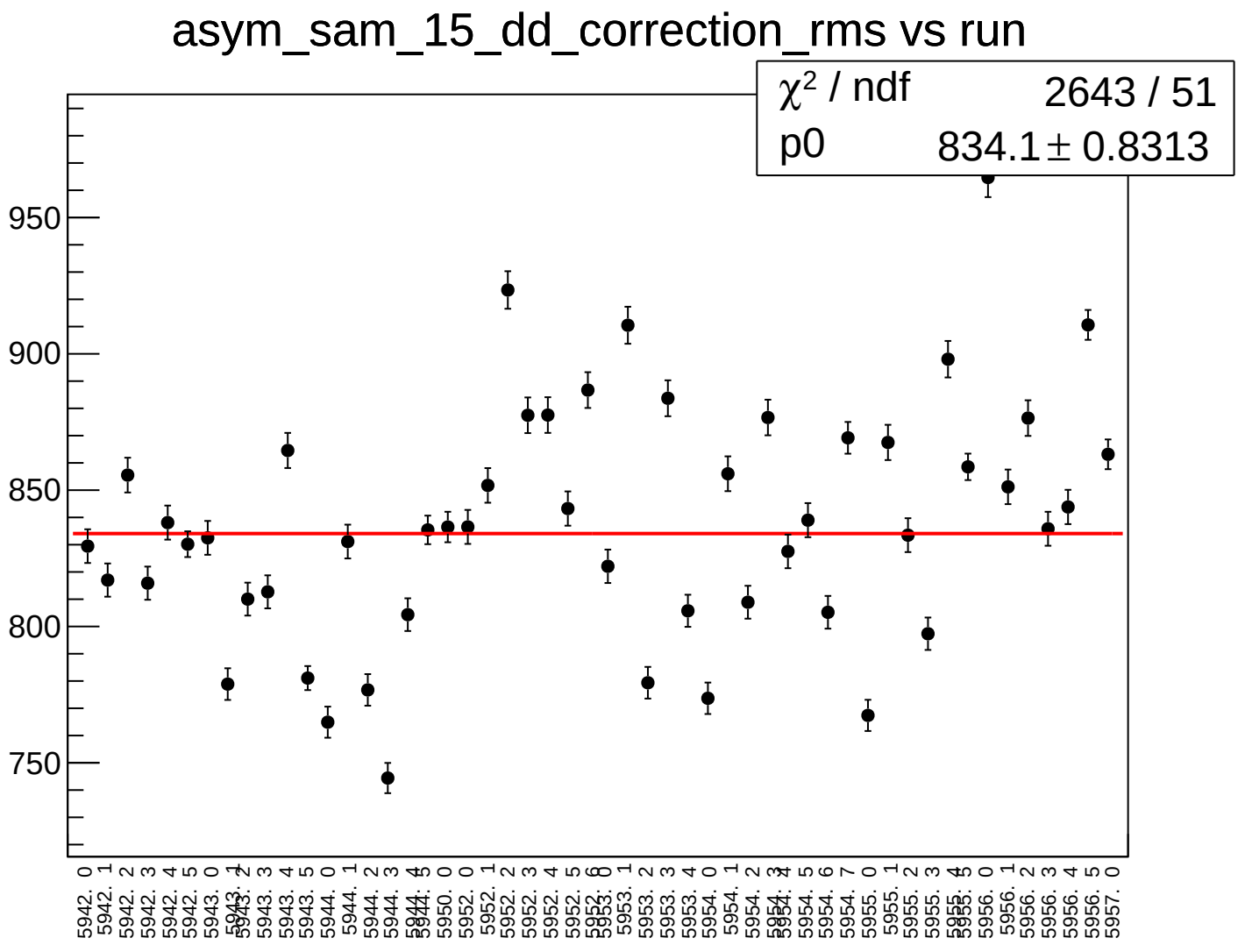

dit_asym_sam_15_dd_mean vs run
χ² / ndf 52.67 / 51
p0 306 ± 159.9
pull
Entries 52
Mean 20.36
Std Dev 32.1

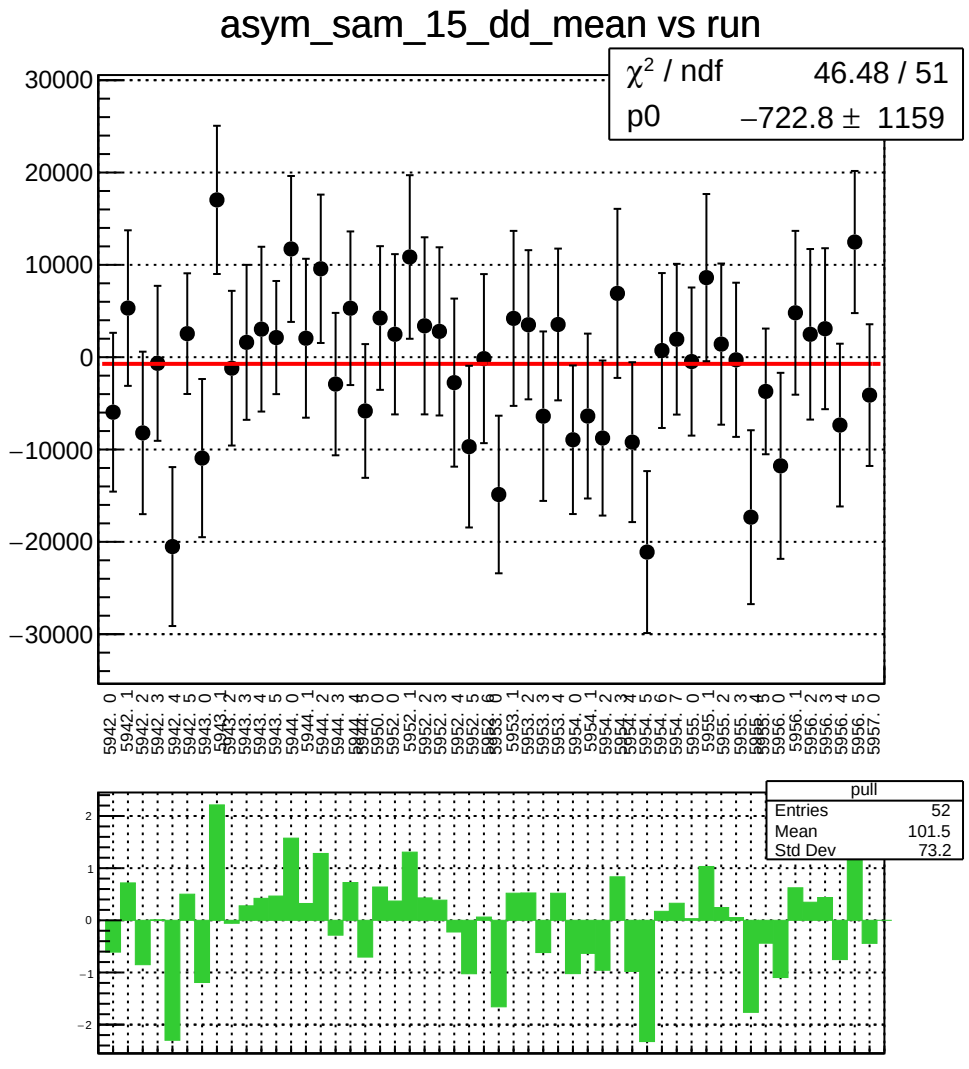

pull1D
Entries 52
Mean −0.02394
Std Dev 1.006

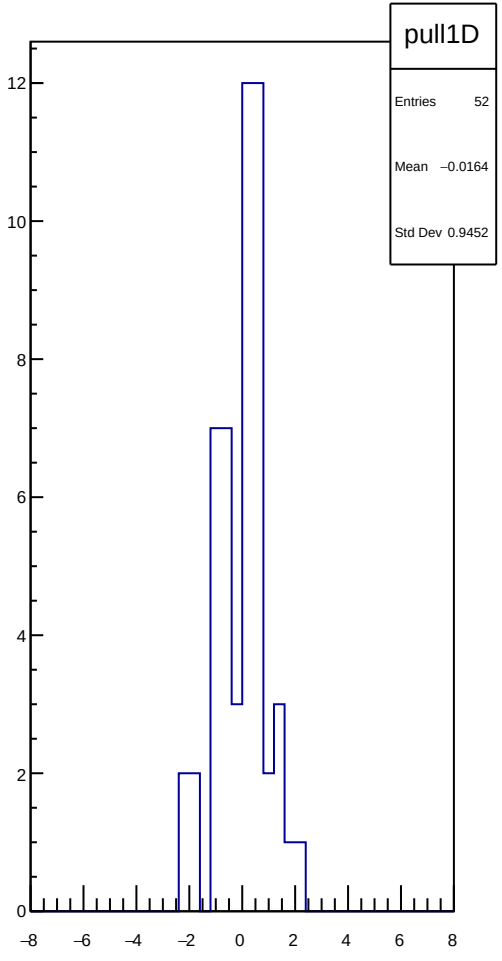

dit_asym_sam_15_dd_rms vs run
χ² / ndf 164 / 51
p0 113.6 ± 0.1131
118
117
116
115
114
113
112
111
110
109
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

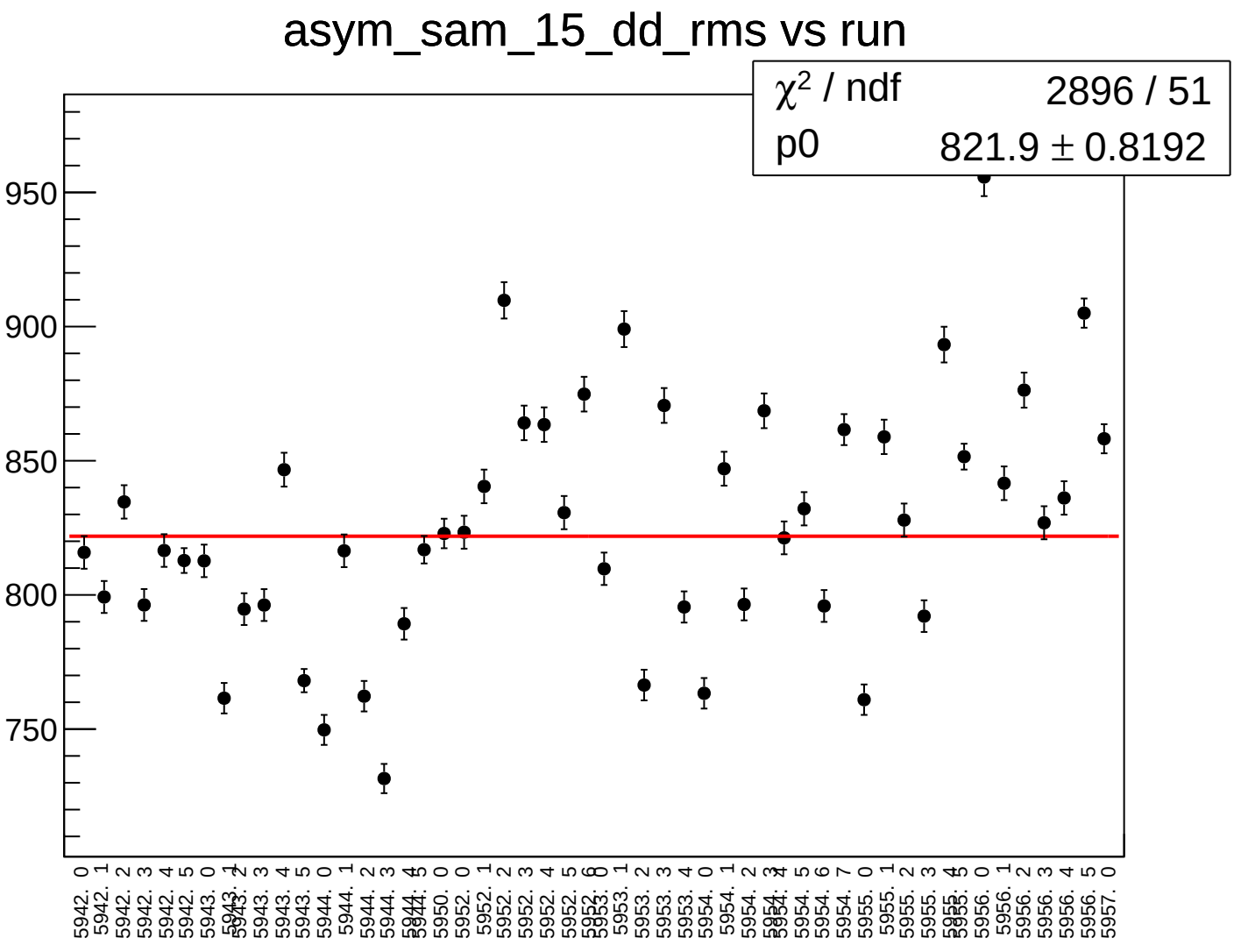

asym_sam_15_dd_correction_mean vs run
χ² / ndf 50.2 / 51
p0 1031 ± 1176
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 122.9
Std Dev 93.58
2
1
0
−1
−2

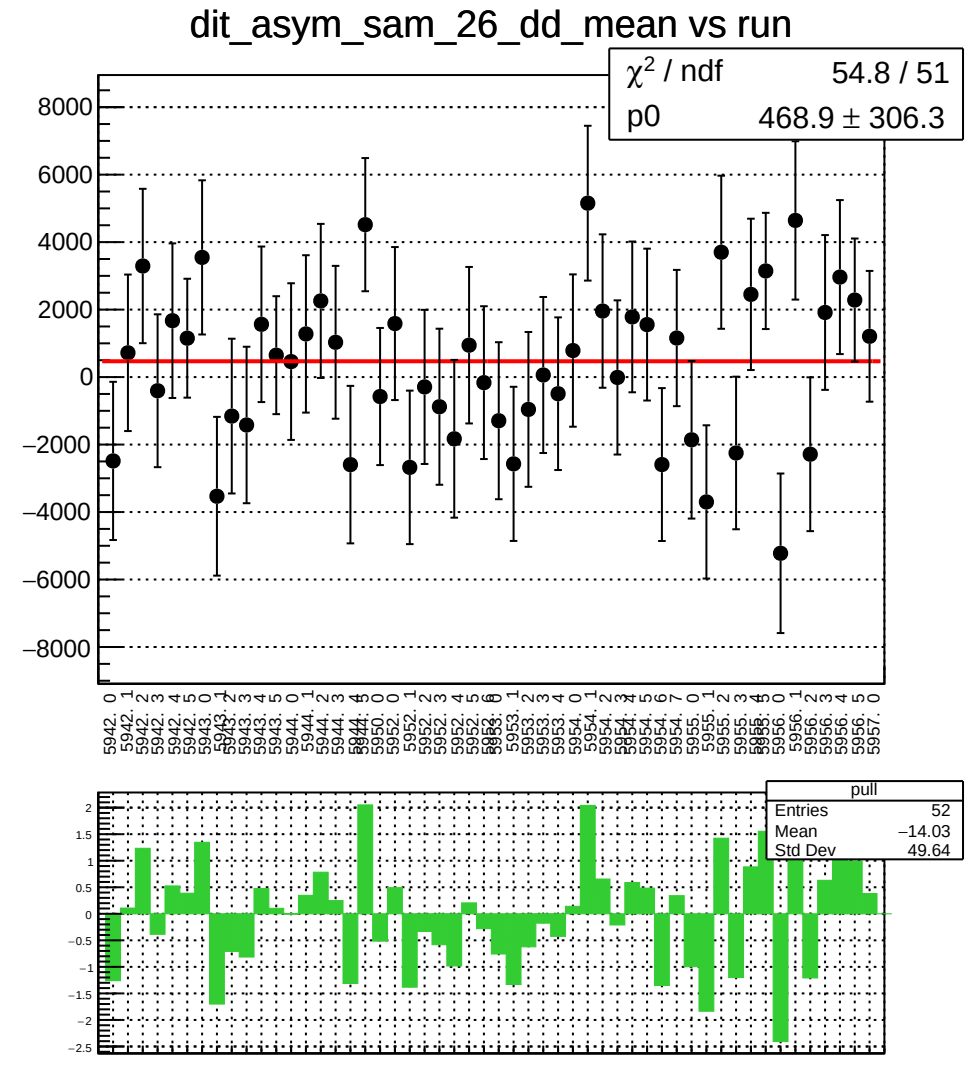

pull1D
Entries 52
Mean 0.01287
Std Dev 0.9824
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

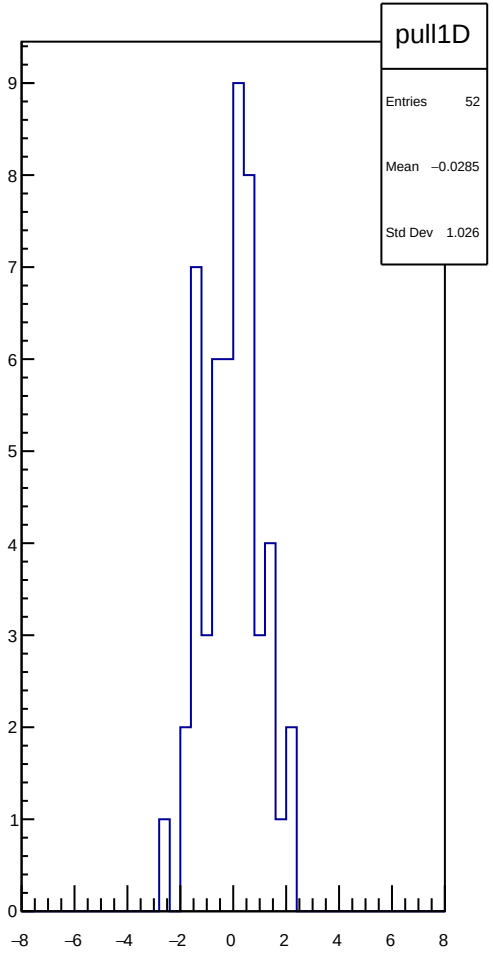

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2643 / 51
p0 834.1 ± 0.8313
950
900
850
800
750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

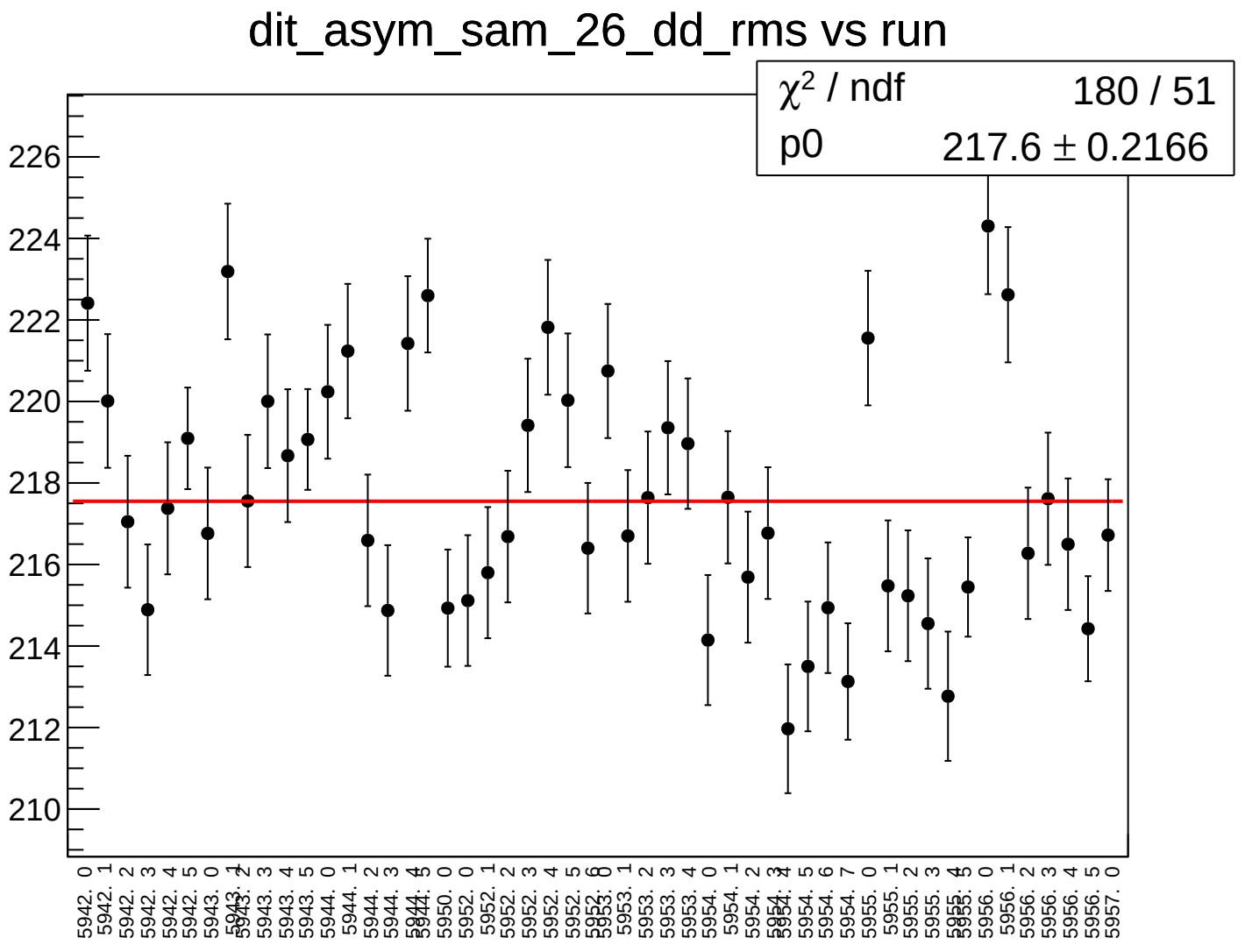

asym_sam_15_dd_mean vs run
χ² / ndf 46.48 / 51
p0 −722.8 ± 1159
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 101.5
Std Dev 73.2
2
1
0
−1
−2

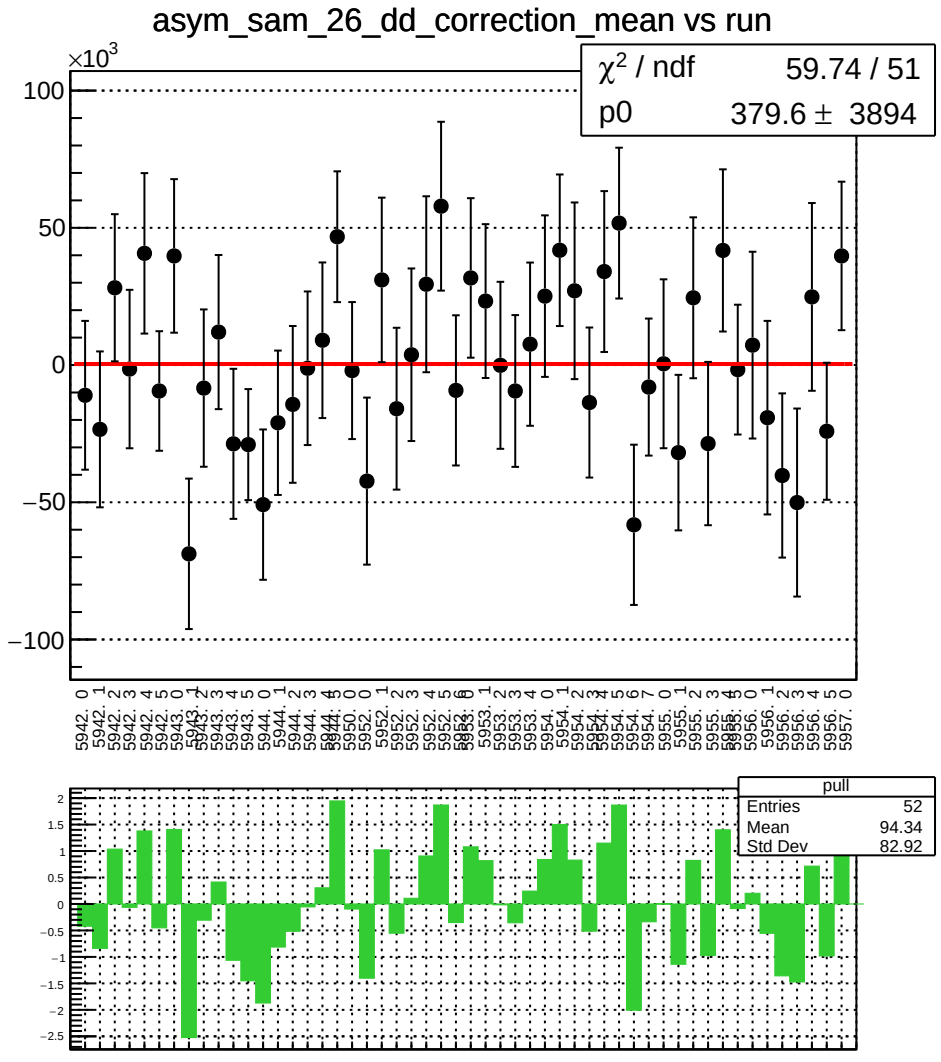

pull1D
Entries 52
Mean −0.0164
Std Dev 0.9452
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

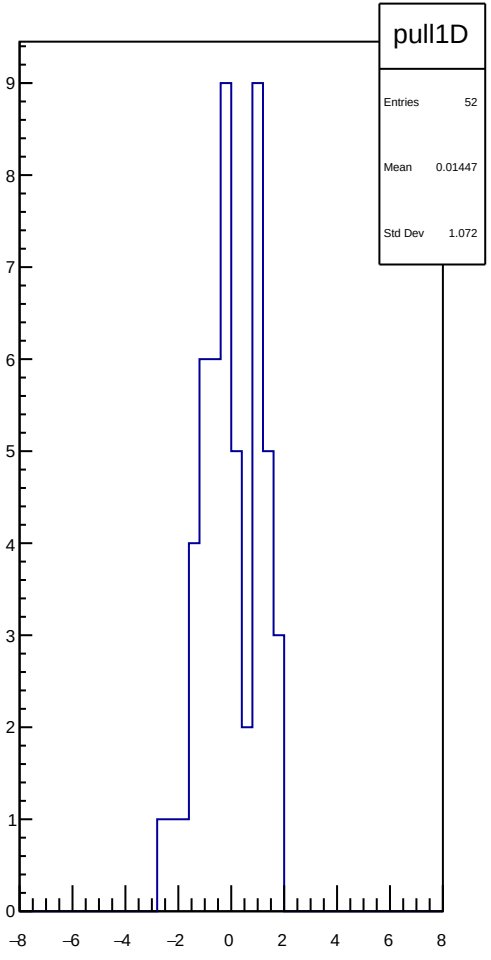

asym_sam_15_dd_rms vs run
χ² / ndf 2896 / 51
p0 821.9 ± 0.8192
950
900
850
800
750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

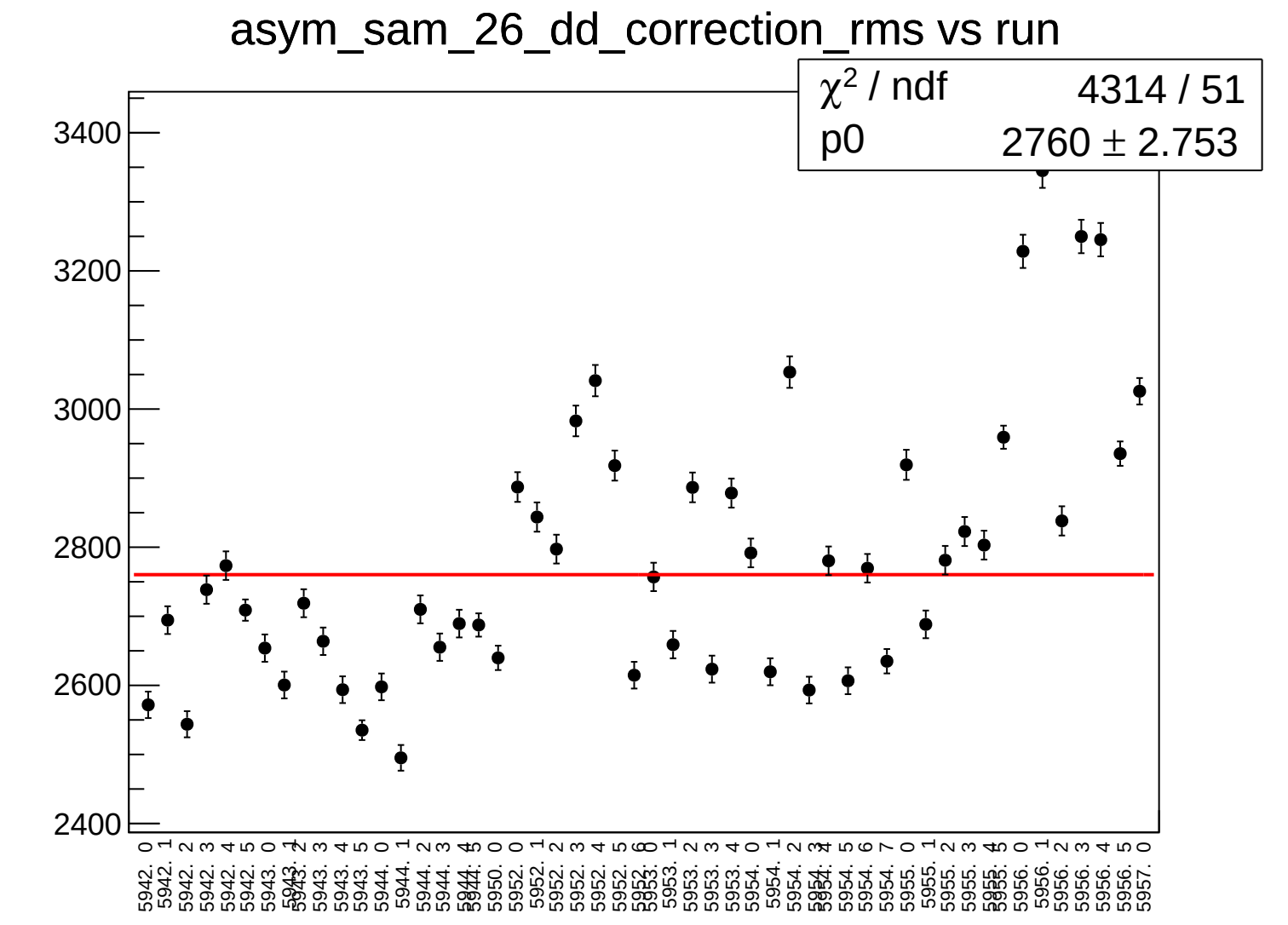

dit_asym_sam_26_dd_mean vs run
χ² / ndf 54.8 / 51
p0 468.9 ± 306.3
pull
Entries 52
Mean −14.03
Std Dev 49.64

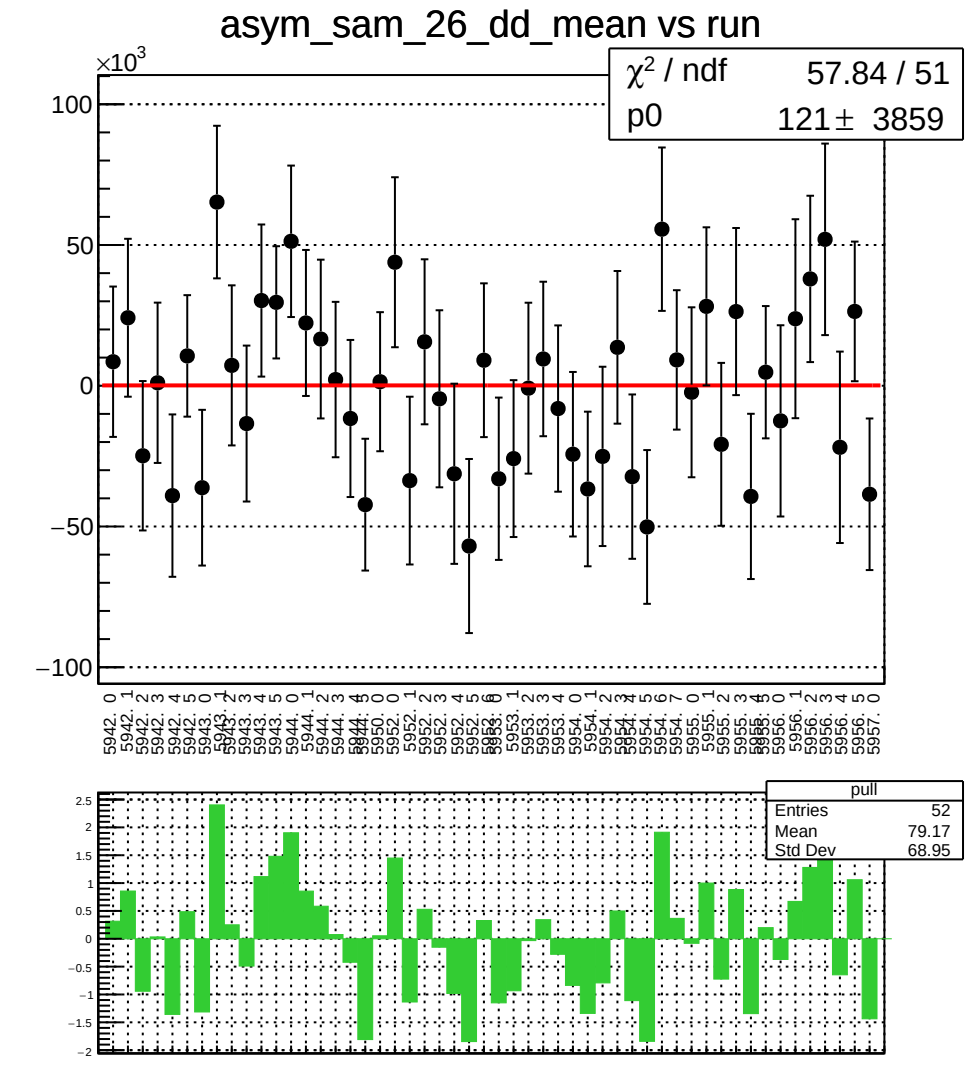

pull1D
Entries 52
Mean −0.0285
Std Dev 1.026

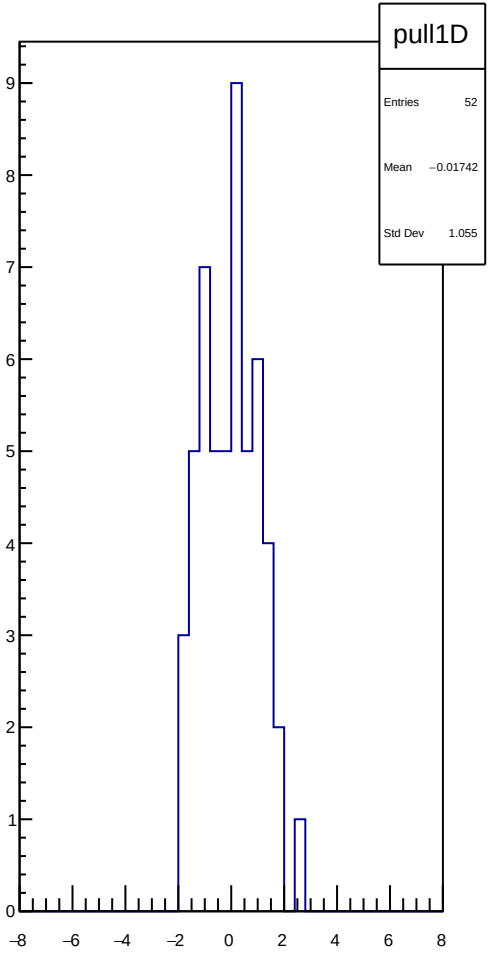

dit_asym_sam_26_dd_rms vs run
χ² / ndf 180 / 51
p0 217.6 ± 0.2166
226
224
222
220
218
216
214
212
210
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

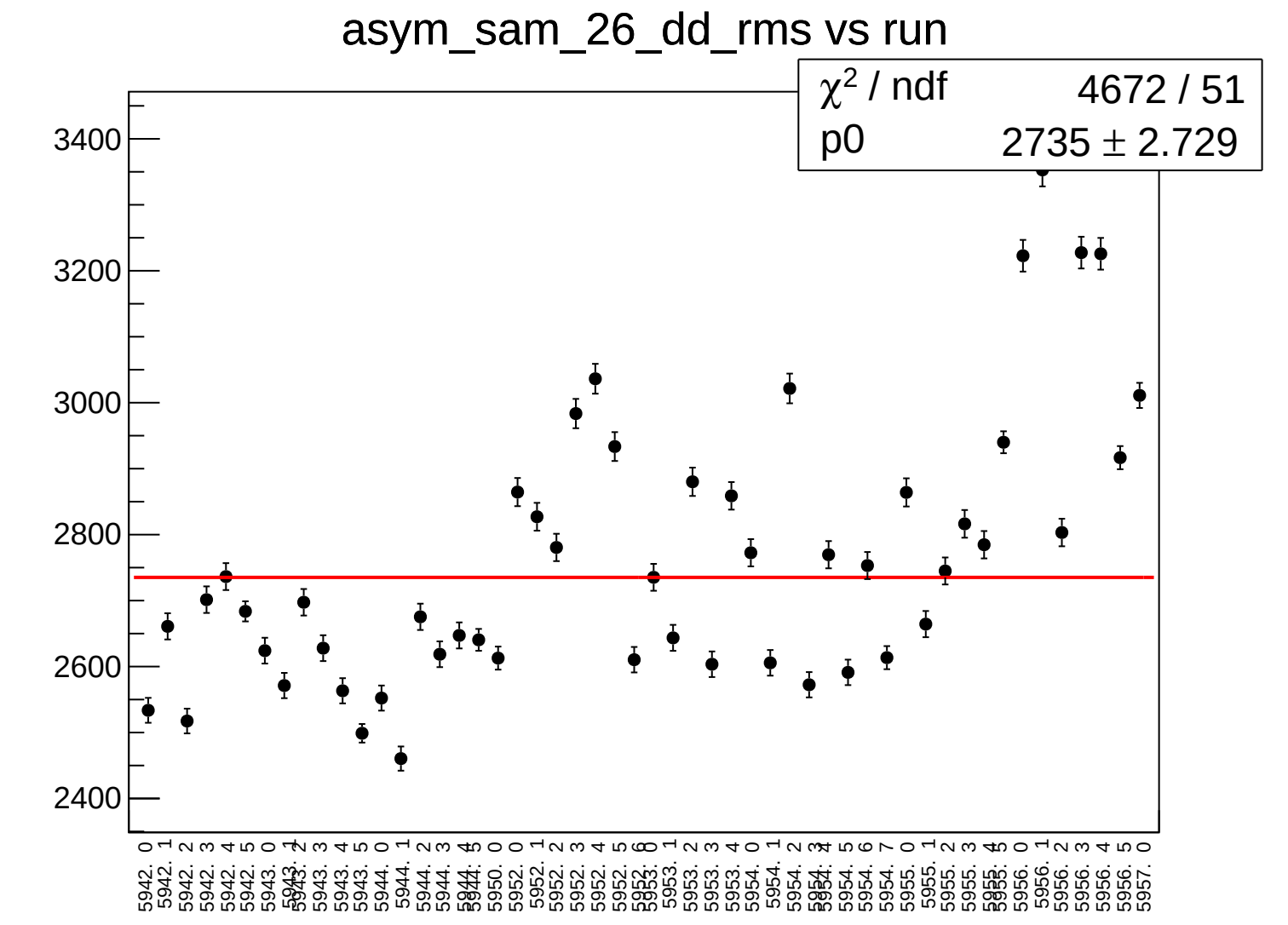

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 59.74 / 51
p0 379.6 ± 3894
pull
Entries 52
Mean 94.34
Std Dev 82.92

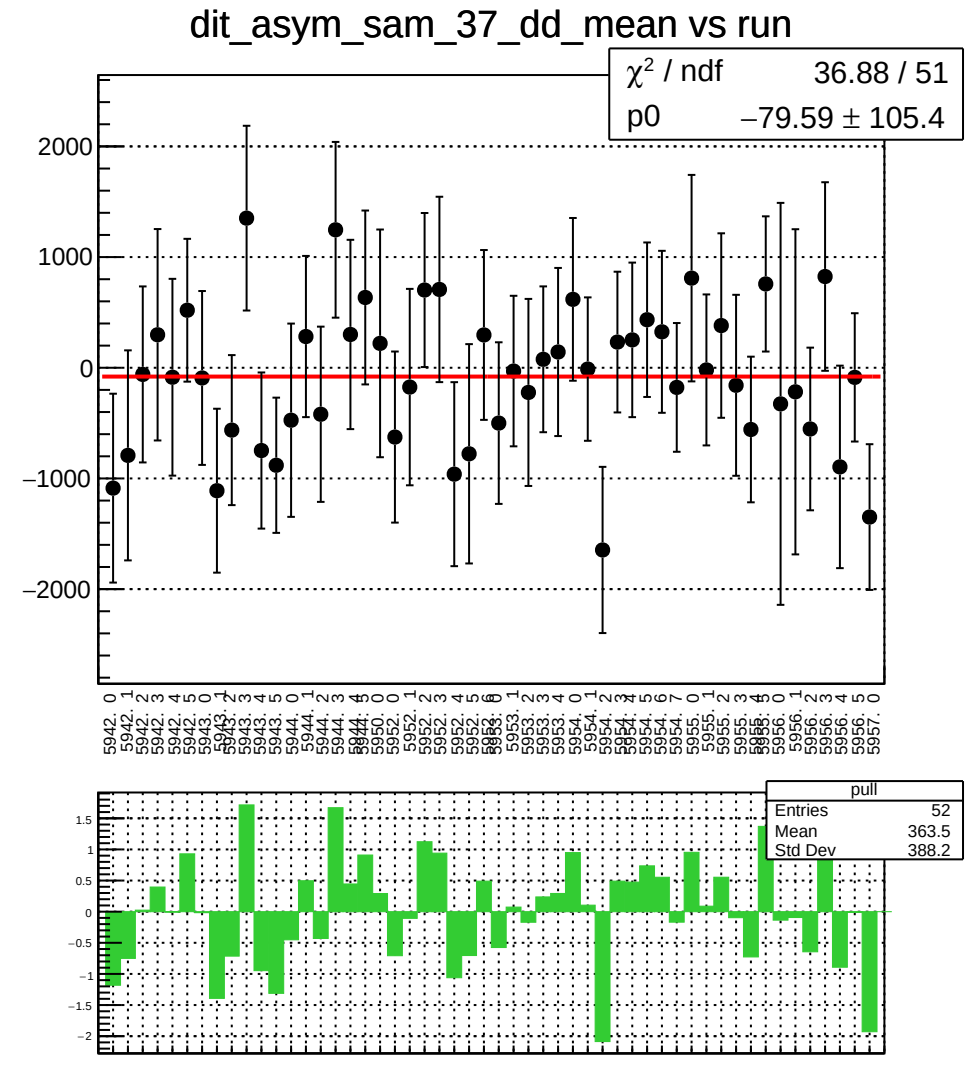

pull1D
Entries 52
Mean 0.01447
Std Dev 1.072

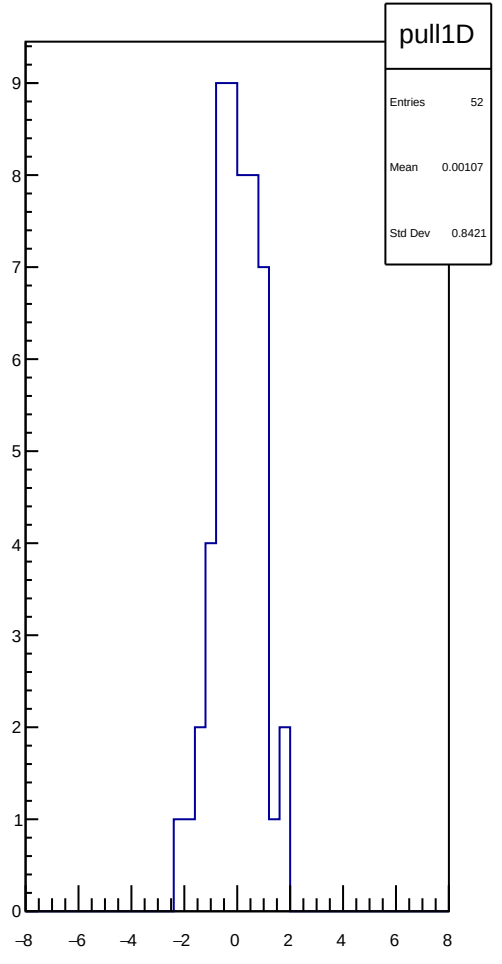

asym_sam_26_dd_correction_rms vs run
χ² / ndf 4314 / 51
p0 2760 ± 2.753
3400
3200
3000
2800
2600
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

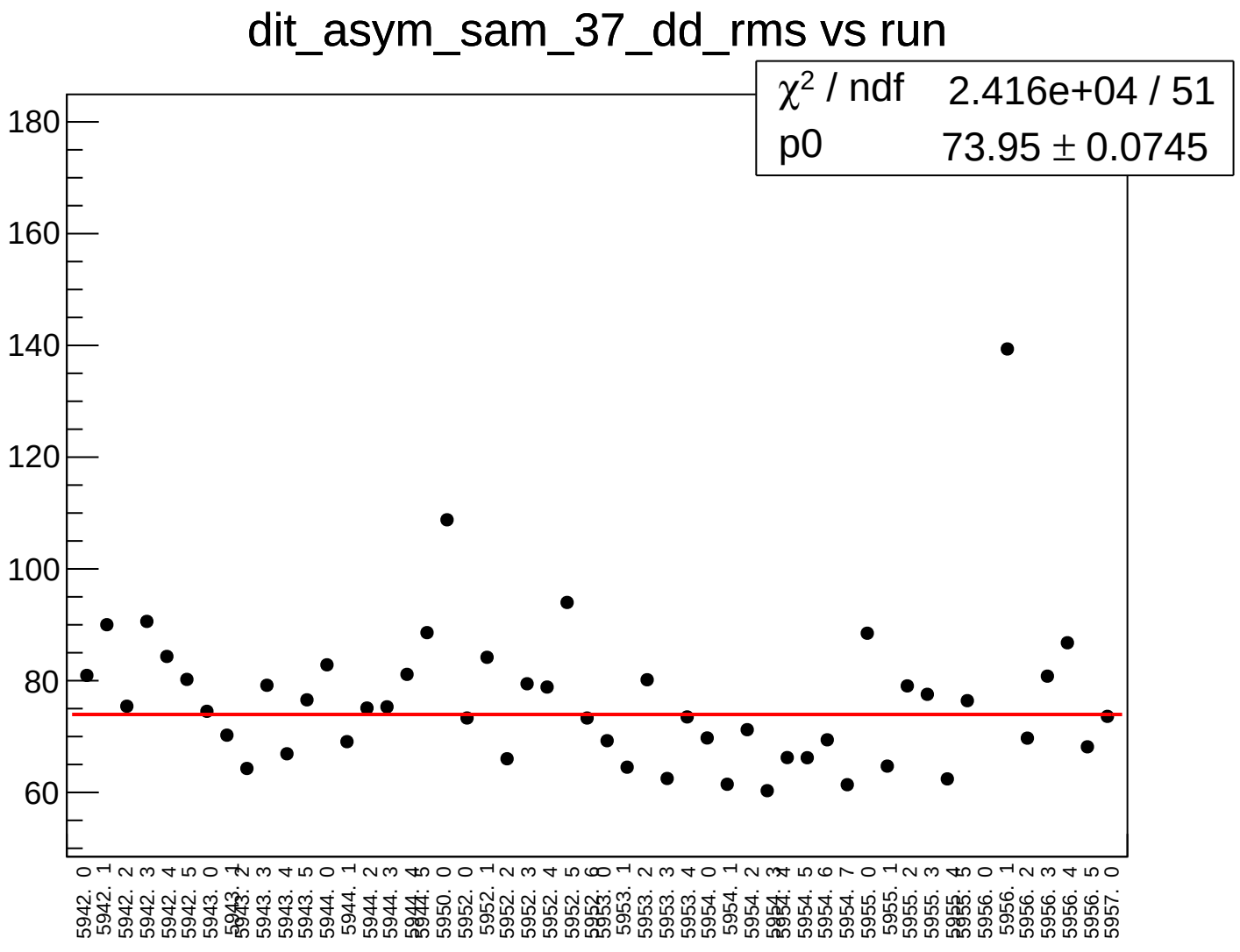

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 57.84 / 51
p0 121 ± 3859
100
50
0
−50
−100
pull
Entries 52
Mean 79.17
Std Dev 68.95
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

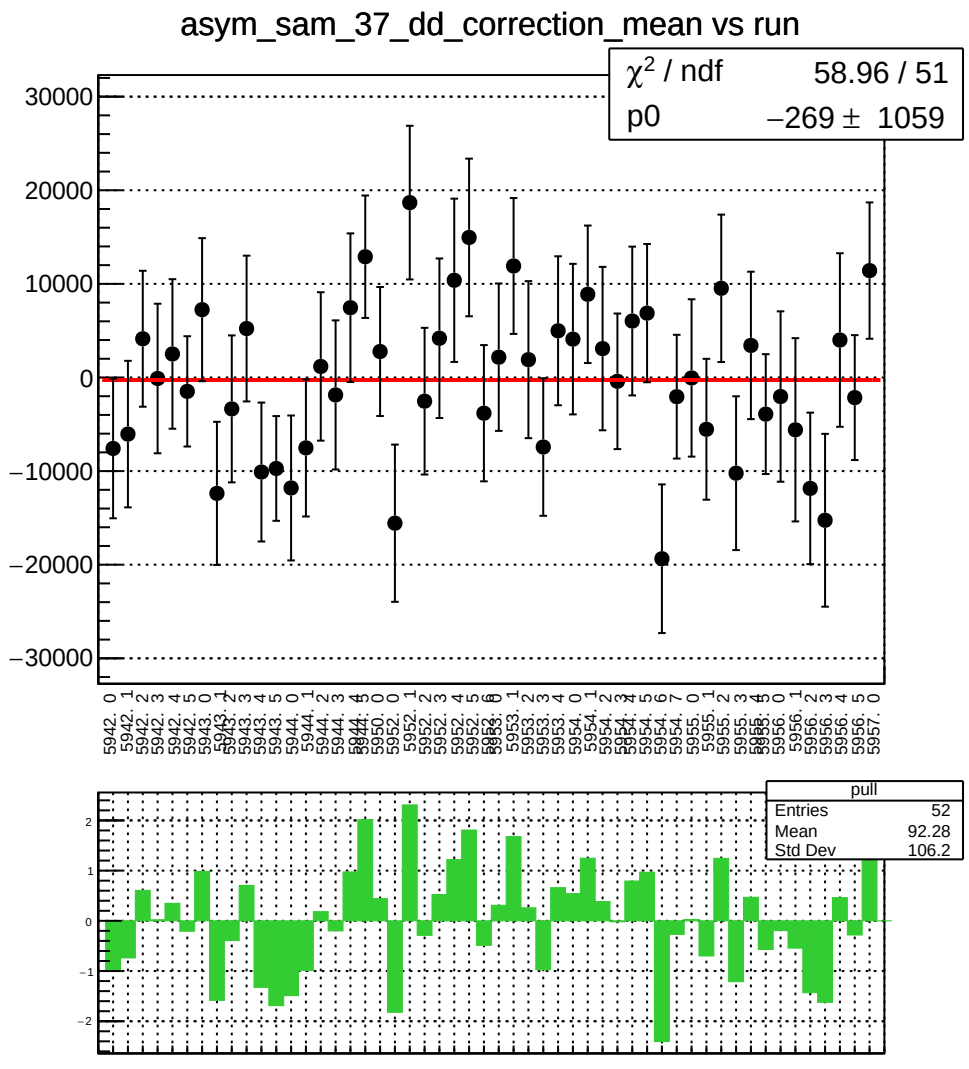

pull1D
Entries 52
Mean −0.01742
Std Dev 1.055
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

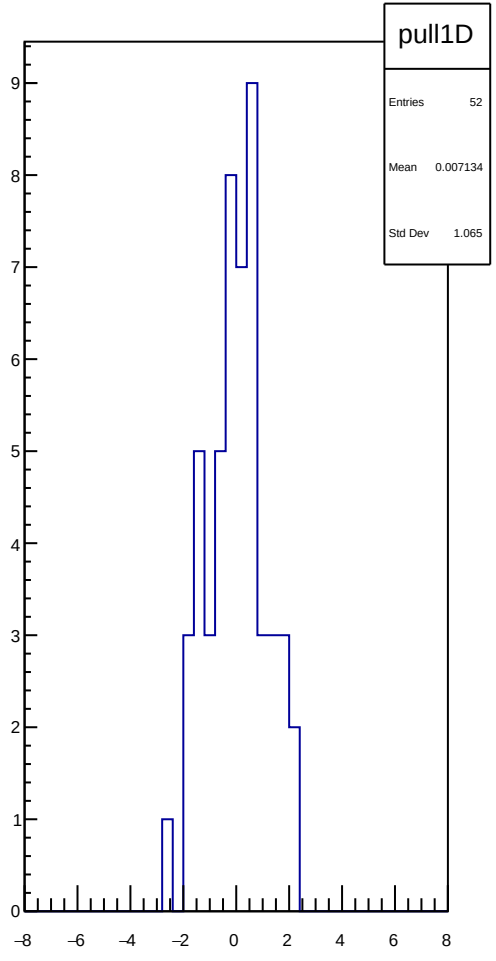

asym_sam_26_dd_rms vs run
χ² / ndf 4672 / 51
p0 2735 ± 2.729
3400
3200
3000
2800
2600
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

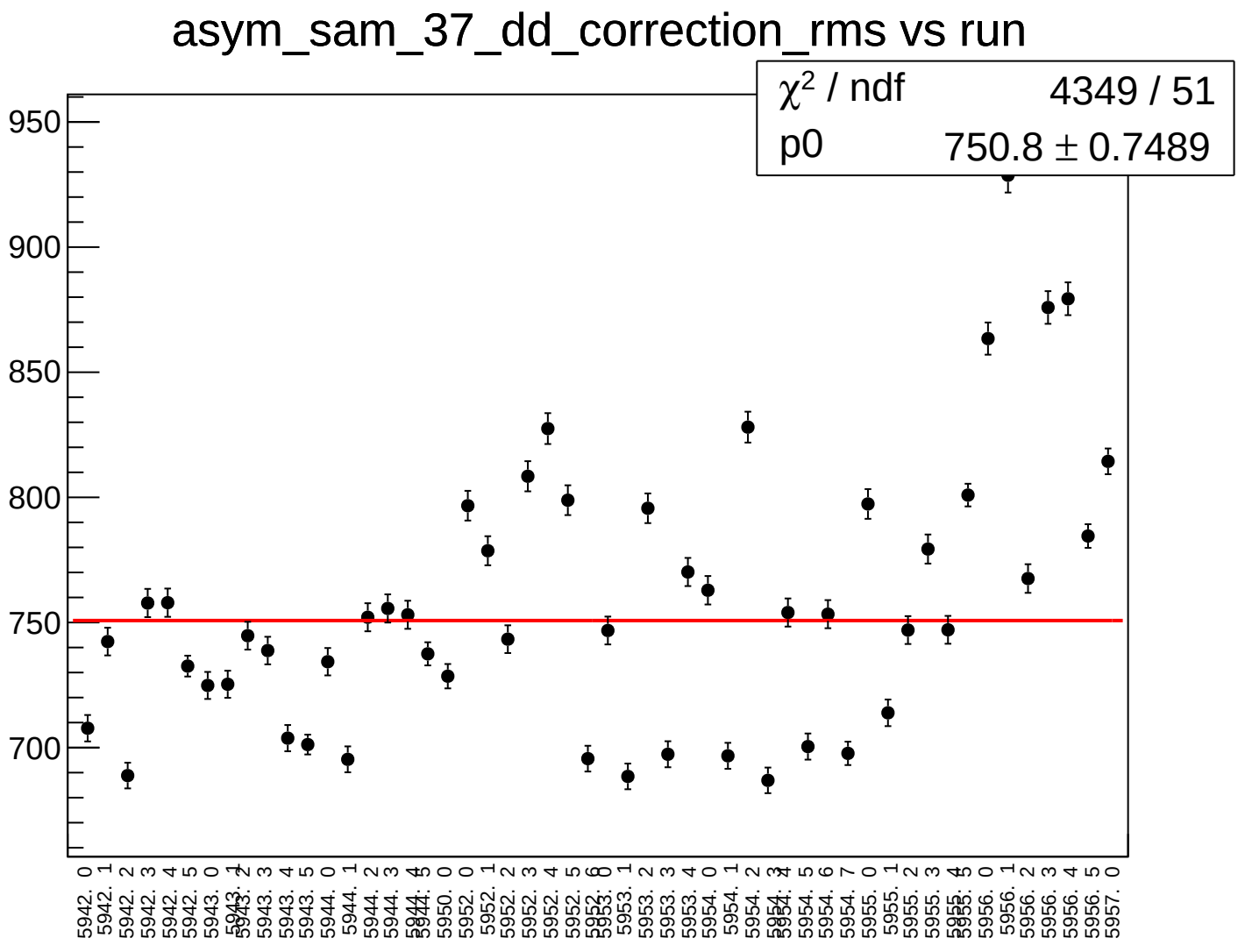

dit_asym_sam_37_dd_mean vs run
χ² / ndf 36.88 / 51
p0 −79.59 ± 105.4
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 363.5
Std Dev 388.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

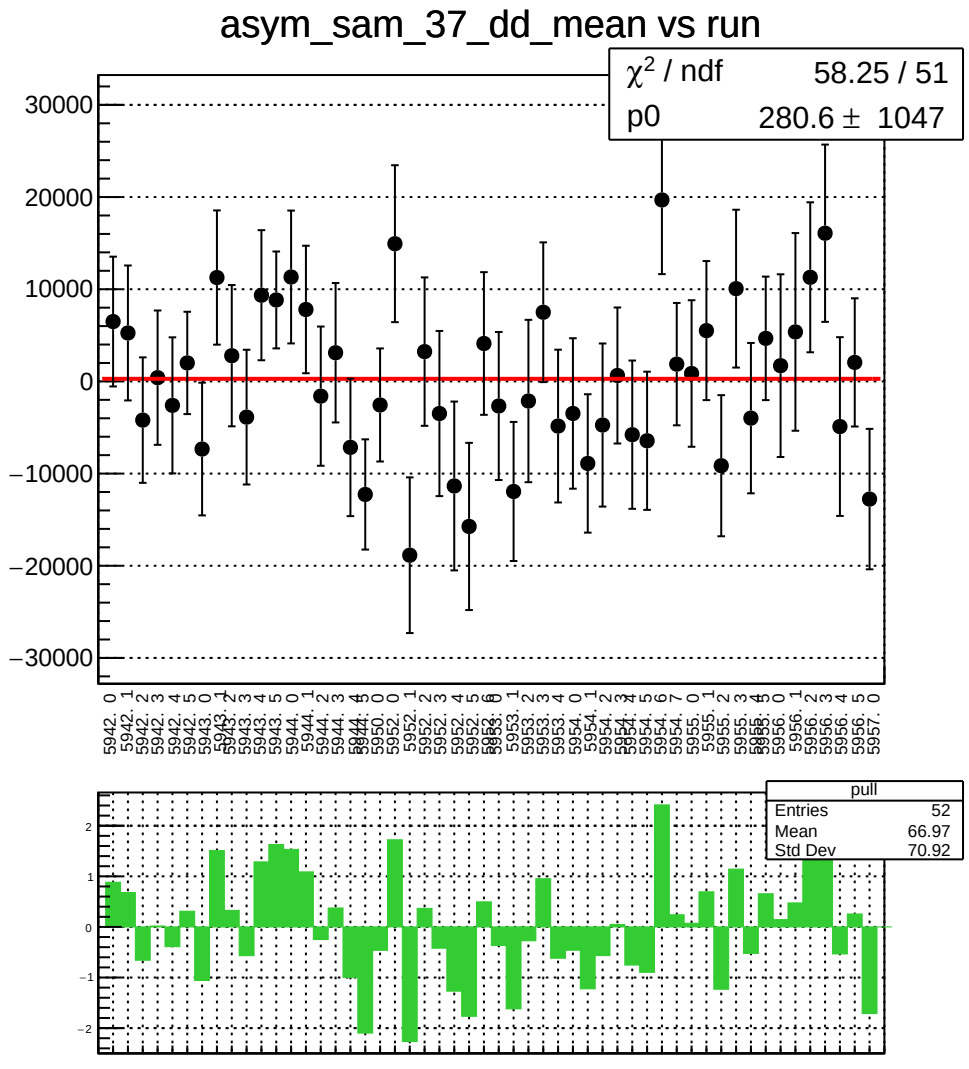

pull1D
Entries 52
Mean 0.00107
Std Dev 0.8421
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

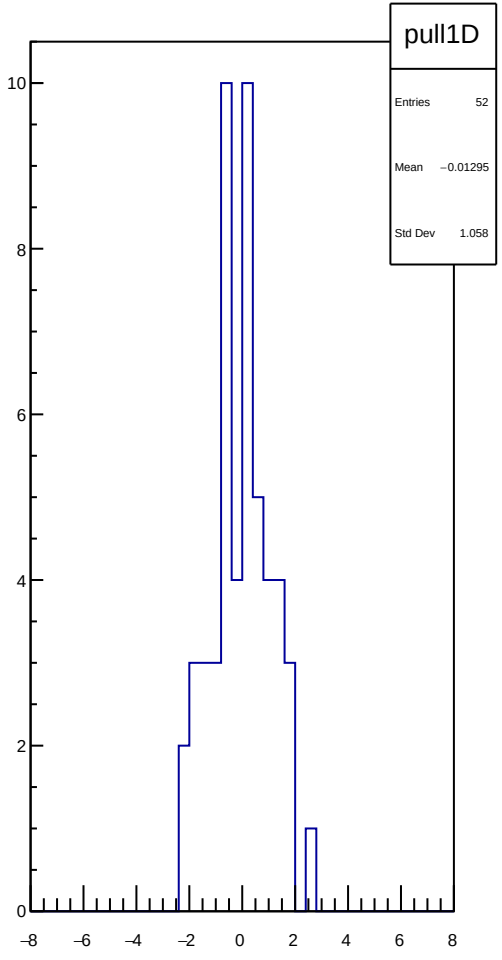

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.416e+04 / 51
p0 73.95 ± 0.0745
180
160
140
120
100
80
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

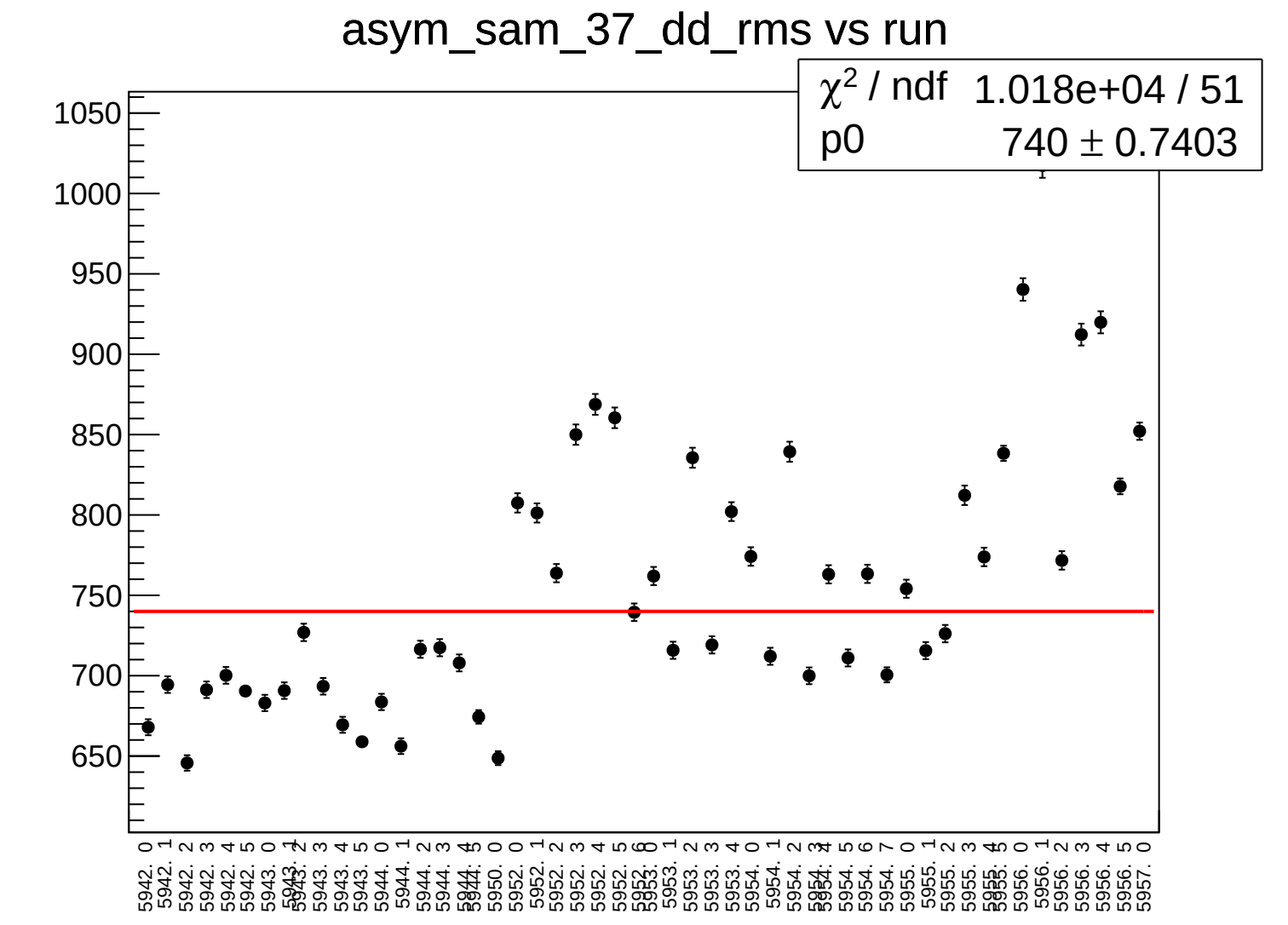

asym_sam_37_dd_correction_mean vs run
χ² / ndf 58.96 / 51
p0 −269 ± 1059
pull
Entries 52
Mean 92.28
Std Dev 106.2

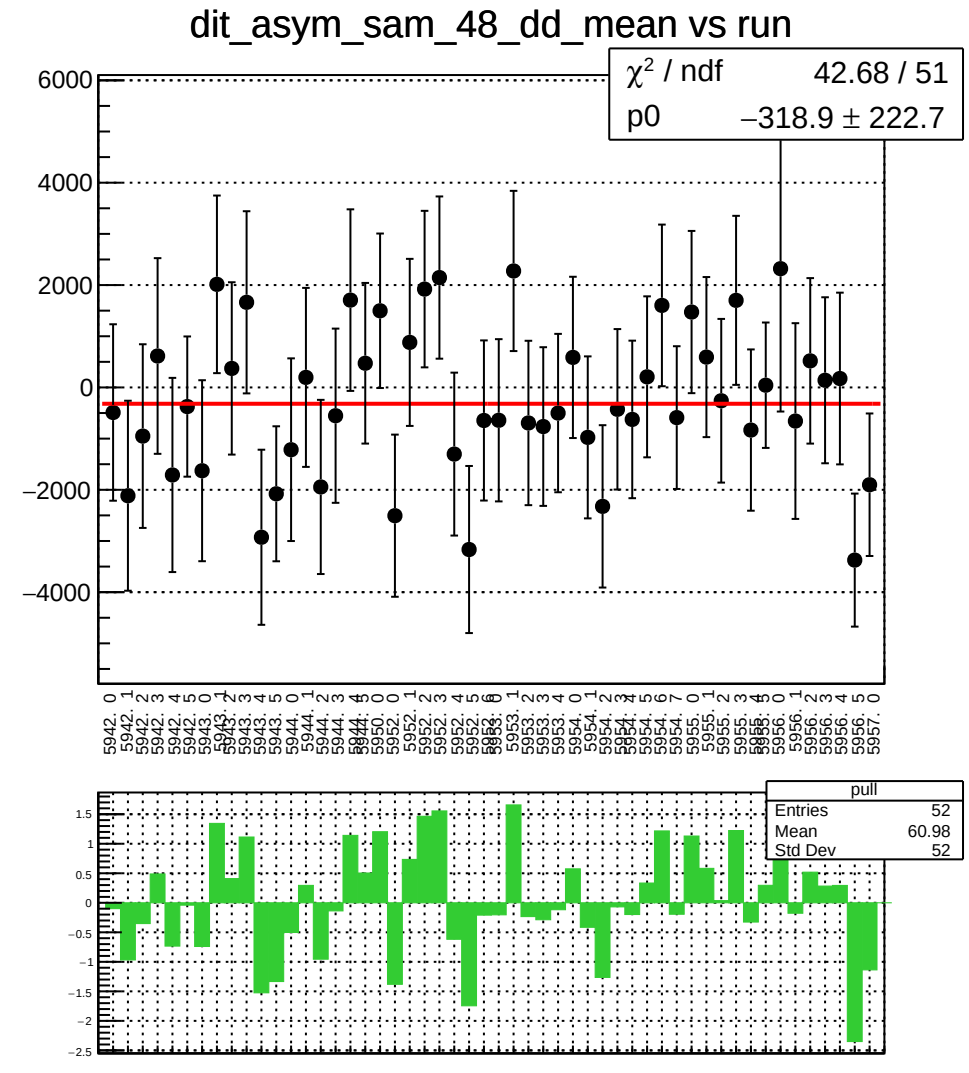

pull1D
Entries 52
Mean 0.007134
Std Dev 1.065

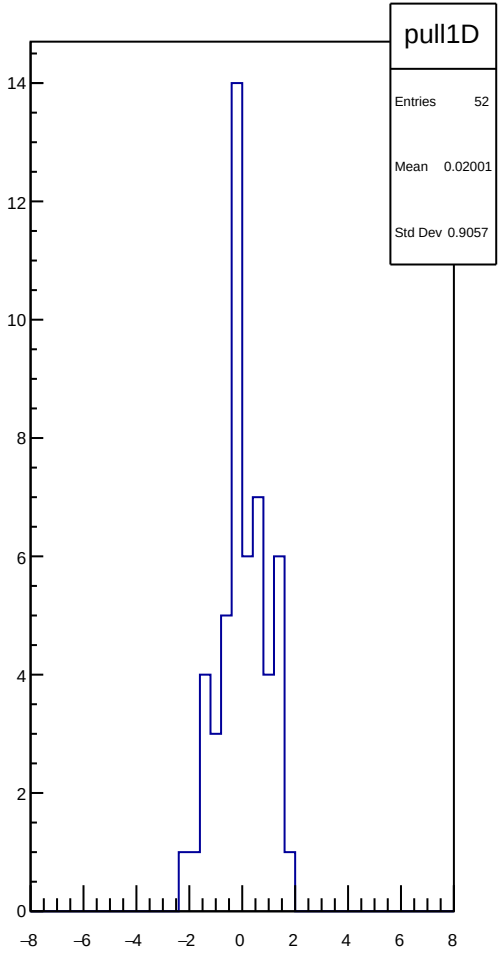

asym_sam_37_dd_correction_rms vs run
χ² / ndf 4349 / 51
p0 750.8 ± 0.7489
950
900
850
800
750
700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

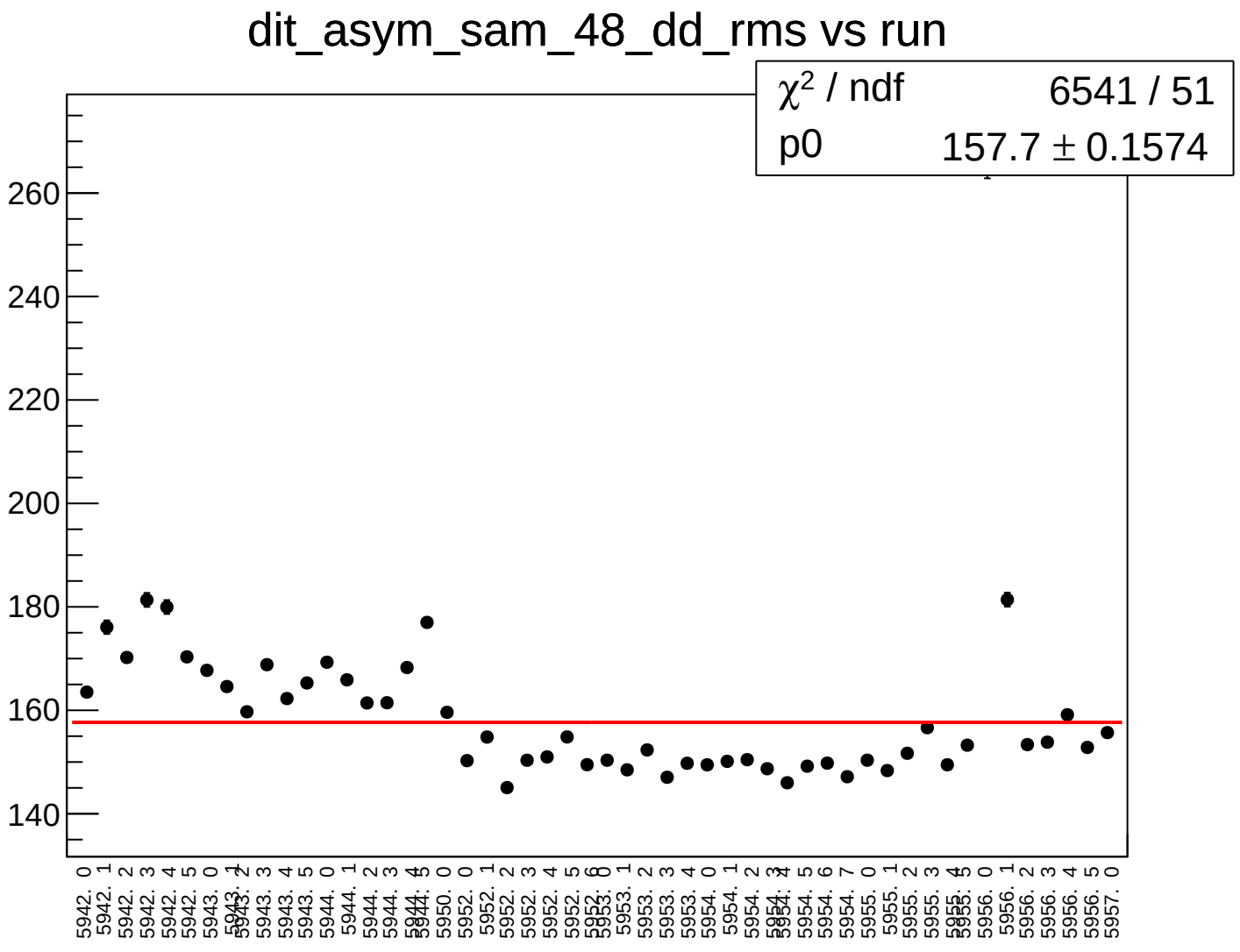

asym_sam_37_dd_mean vs run
χ² / ndf 58.25 / 51
p0 280.6 ± 1047
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 66.97
Std Dev 70.92
2
1
0
−1
−2

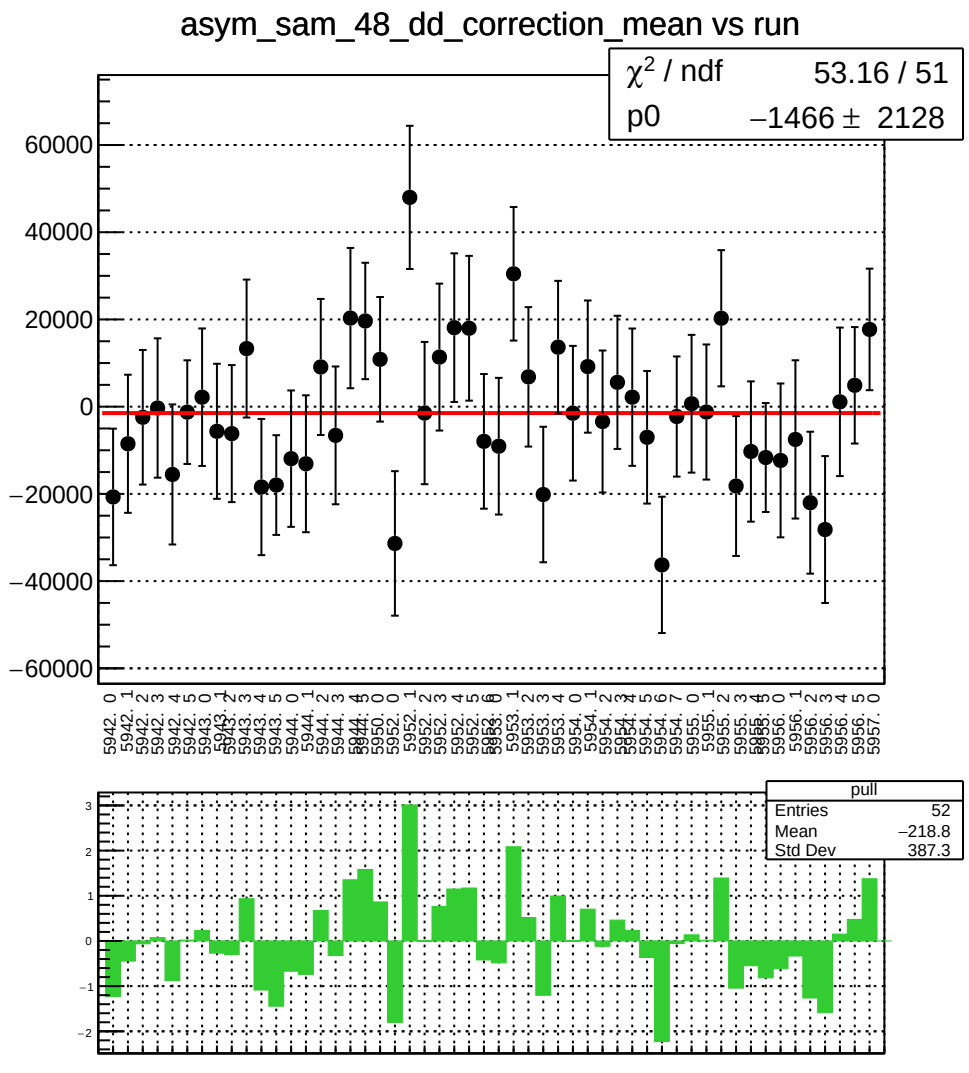

pull1D
Entries 52
Mean −0.01295
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

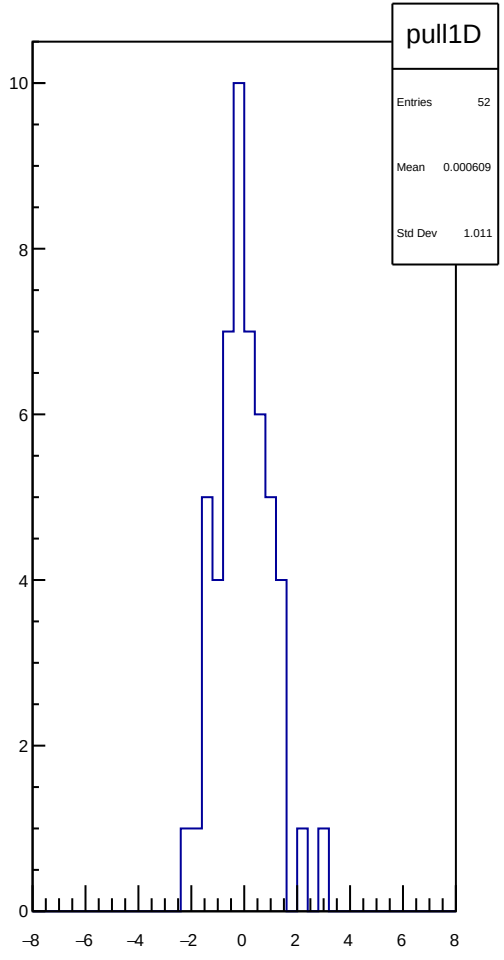

asym_sam_37_dd_rms vs run
χ² / ndf 1.018e+04 / 51
p0 740 ± 0.7403
1050
1000
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

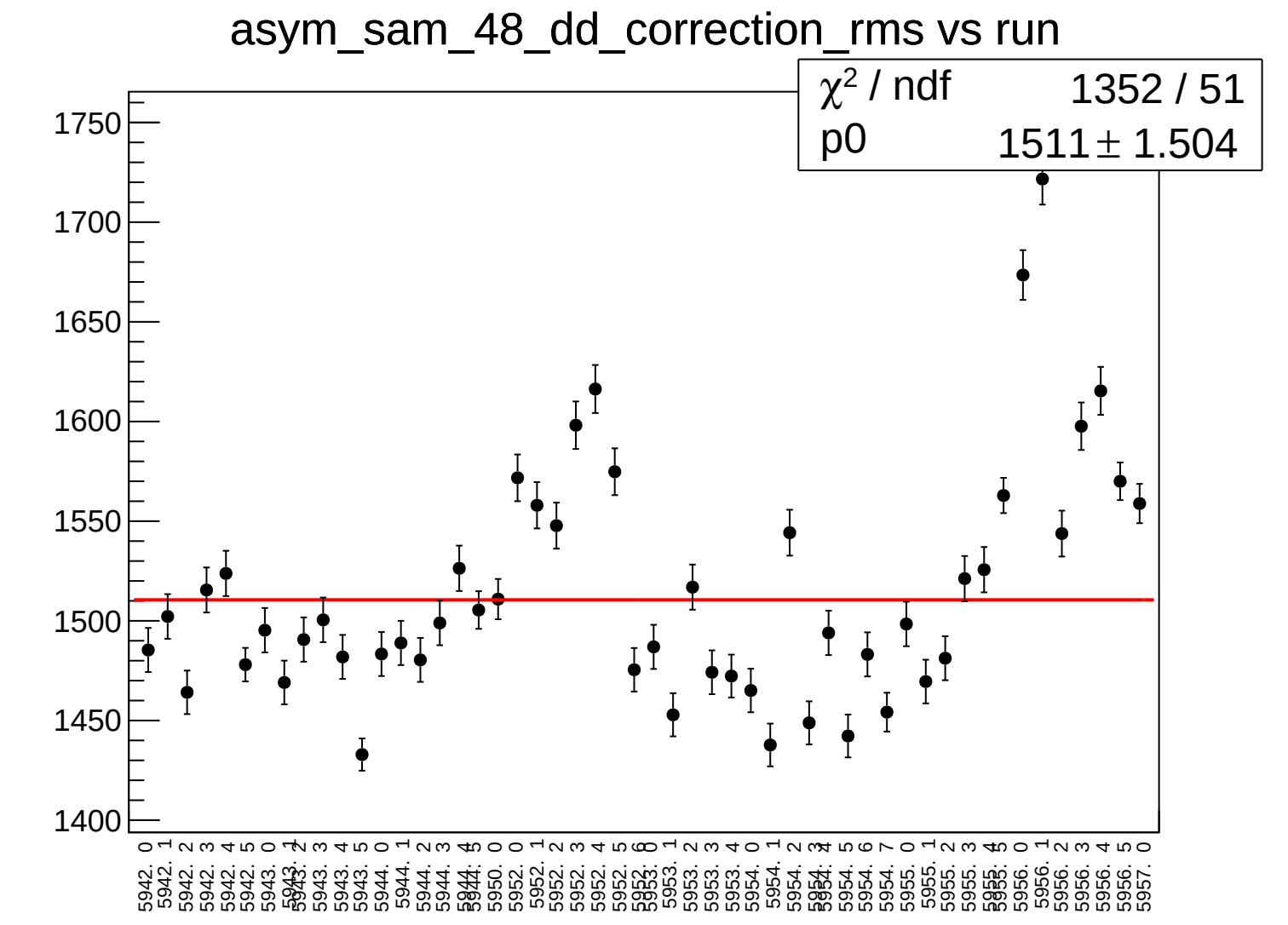

dit_asym_sam_48_dd_mean vs run
χ² / ndf 42.68 / 51
p0 −318.9 ± 222.7
pull
Entries 52
Mean 60.98
Std Dev 52

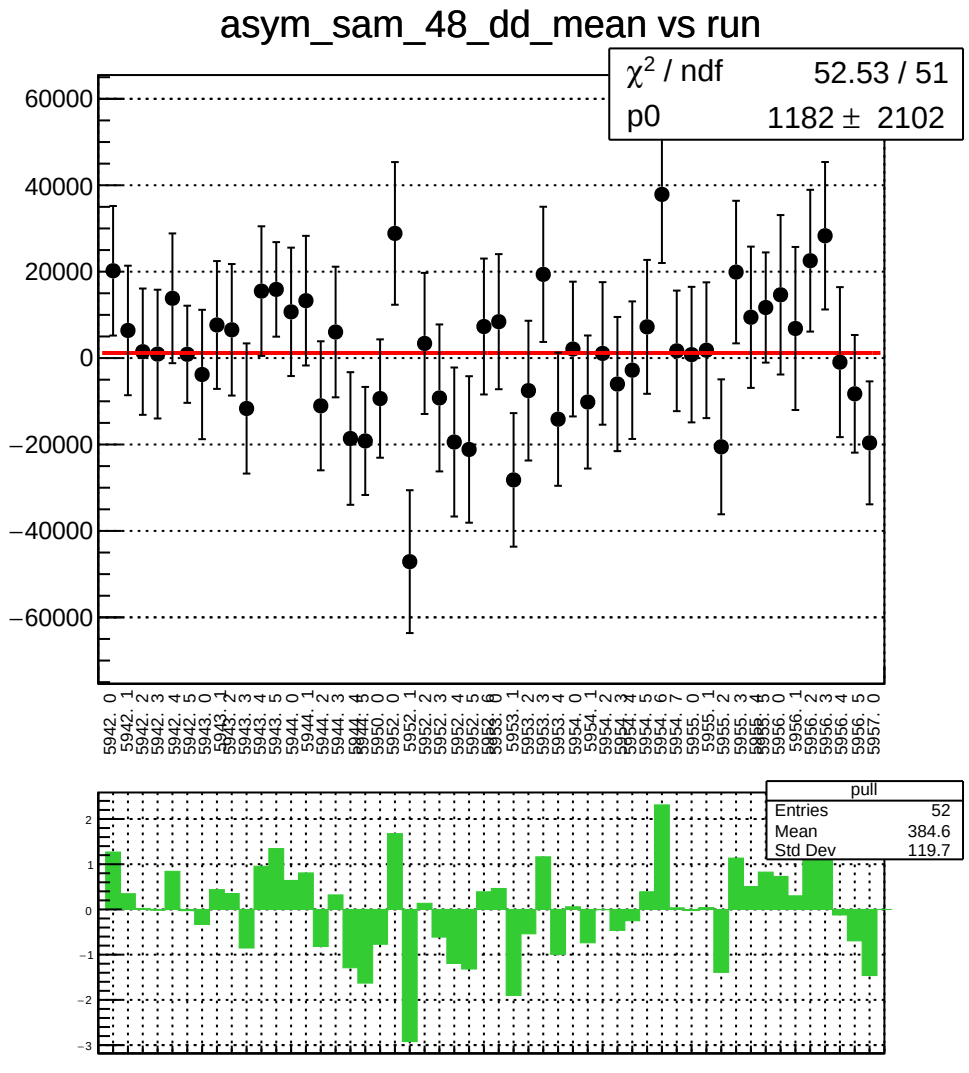

pull1D
Entries 52
Mean 0.02001
Std Dev 0.9057

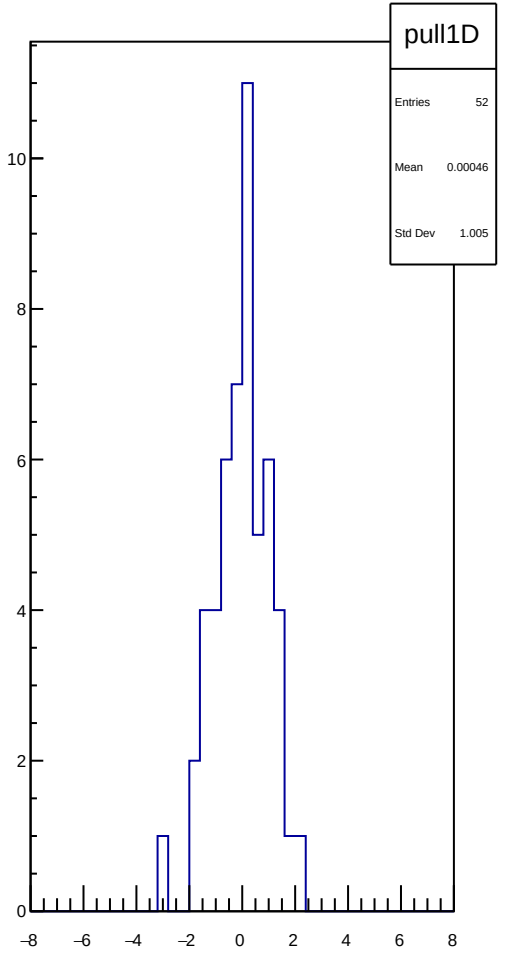

dit_asym_sam_48_dd_rms vs run
χ² / ndf 6541 / 51
p0 157.7 ± 0.1574
260
240
220
200
180
160
140
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

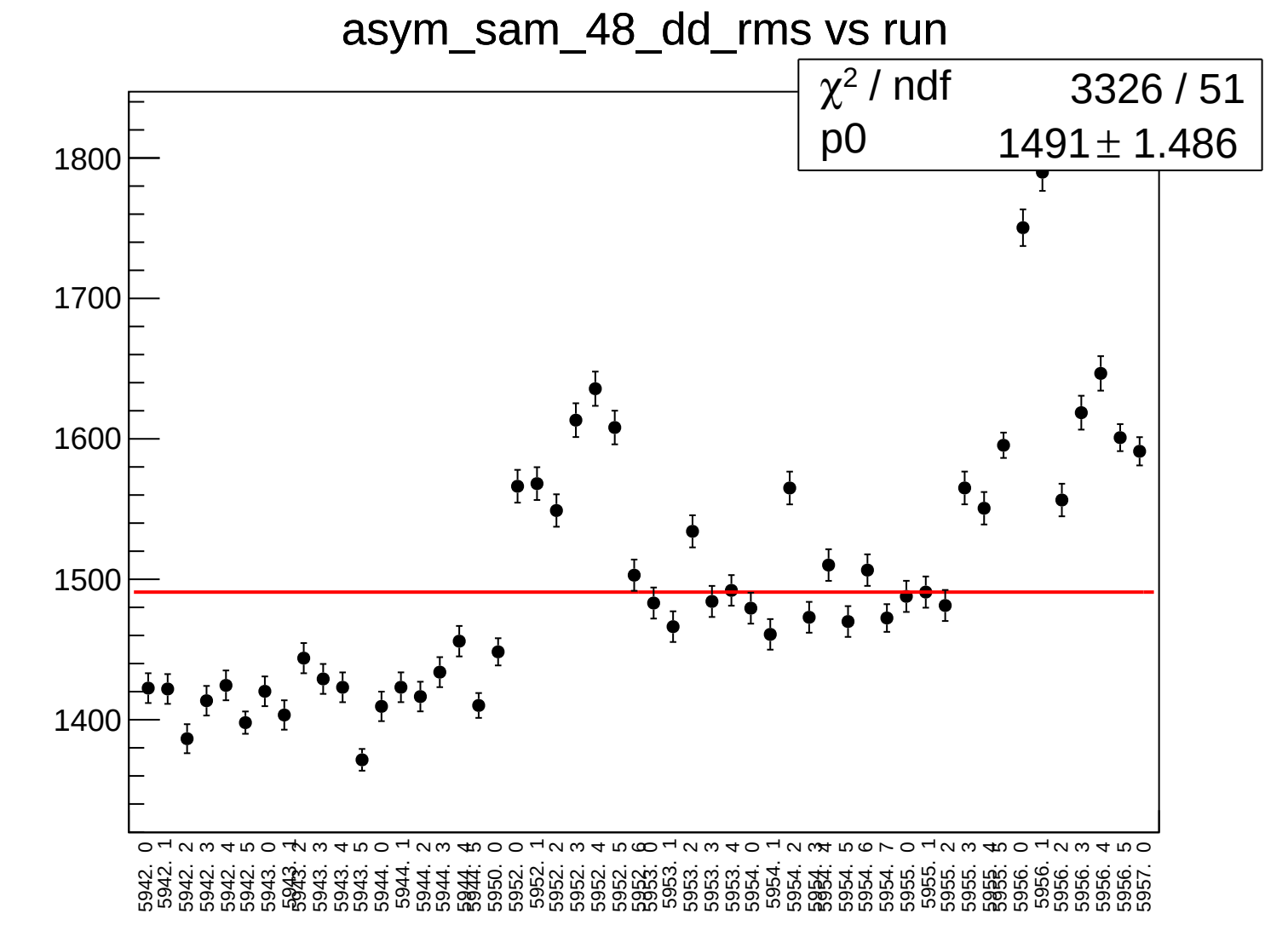

asym_sam_48_dd_correction_mean vs run
χ² / ndf 53.16 / 51
p0 −1466 ± 2128
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −218.8
Std Dev 387.3
3
2
1
0
−1
−2

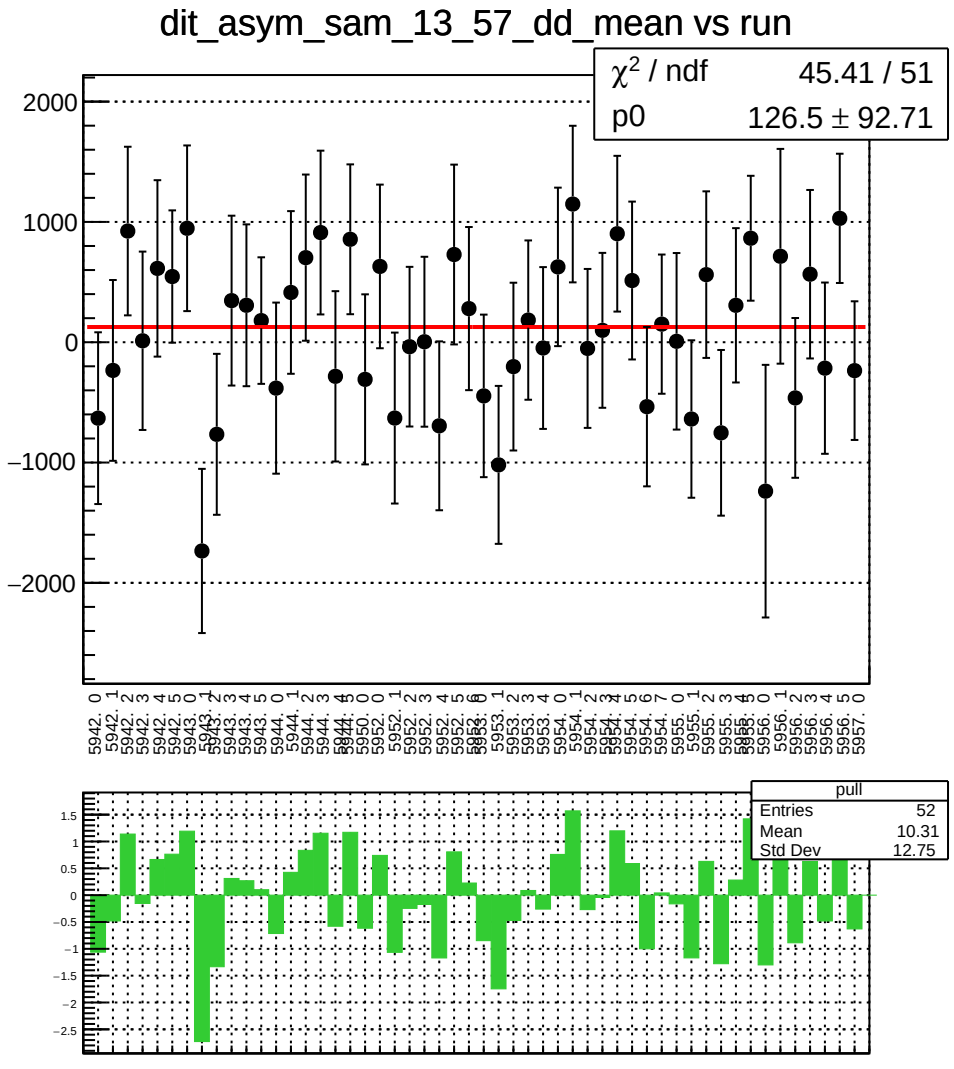

pull1D
Entries 52
Mean 0.000609
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

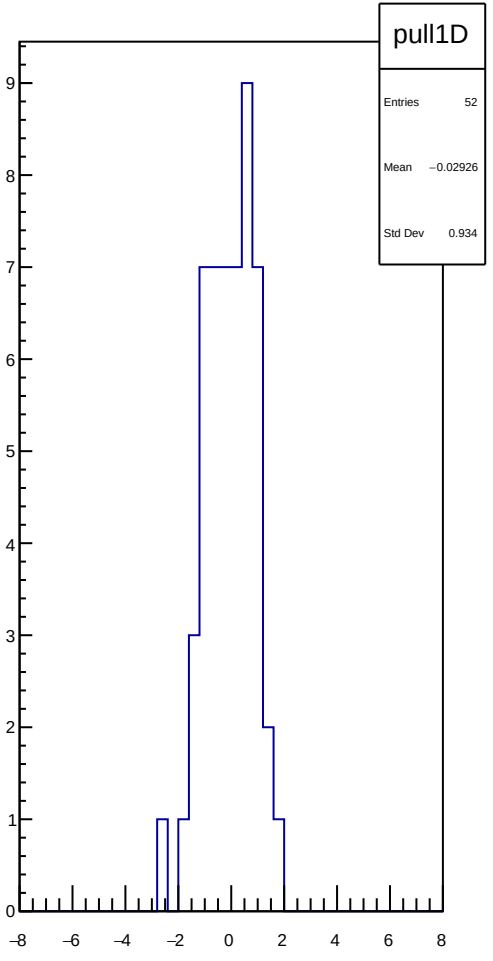

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1352 / 51
p0 1511 ± 1.504
1750
1700
1650
1600
1550
1500
1450
1400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

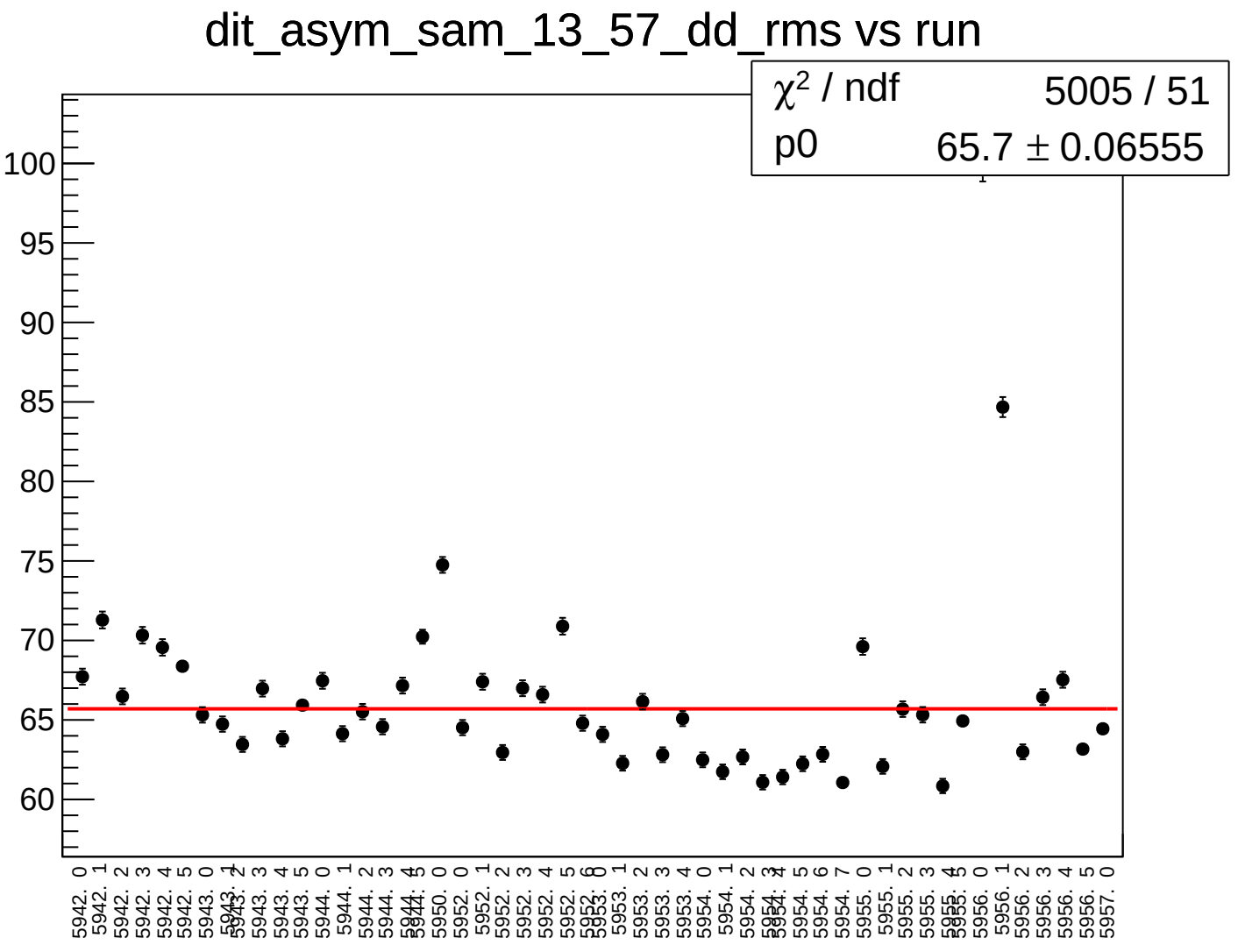

asym_sam_48_dd_mean vs run
χ² / ndf 52.53 / 51
p0 1182 ± 2102
pull
Entries 52
Mean 384.6
Std Dev 119.7


pull1D
Entries 52
Mean 0.00046
Std Dev 1.005


asym_sam_48_dd_rms vs run
χ² / ndf 3326 / 51
p0 1491 ± 1.486
1800
1700
1600
1500
1400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0


dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 45.41 / 51
p0 126.5 ± 92.71
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 10.31
Std Dev 12.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.02926
Std Dev 0.934
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 5005 / 51
p0 65.7 ± 0.06555
100
95
90
85
80
75
70
65
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
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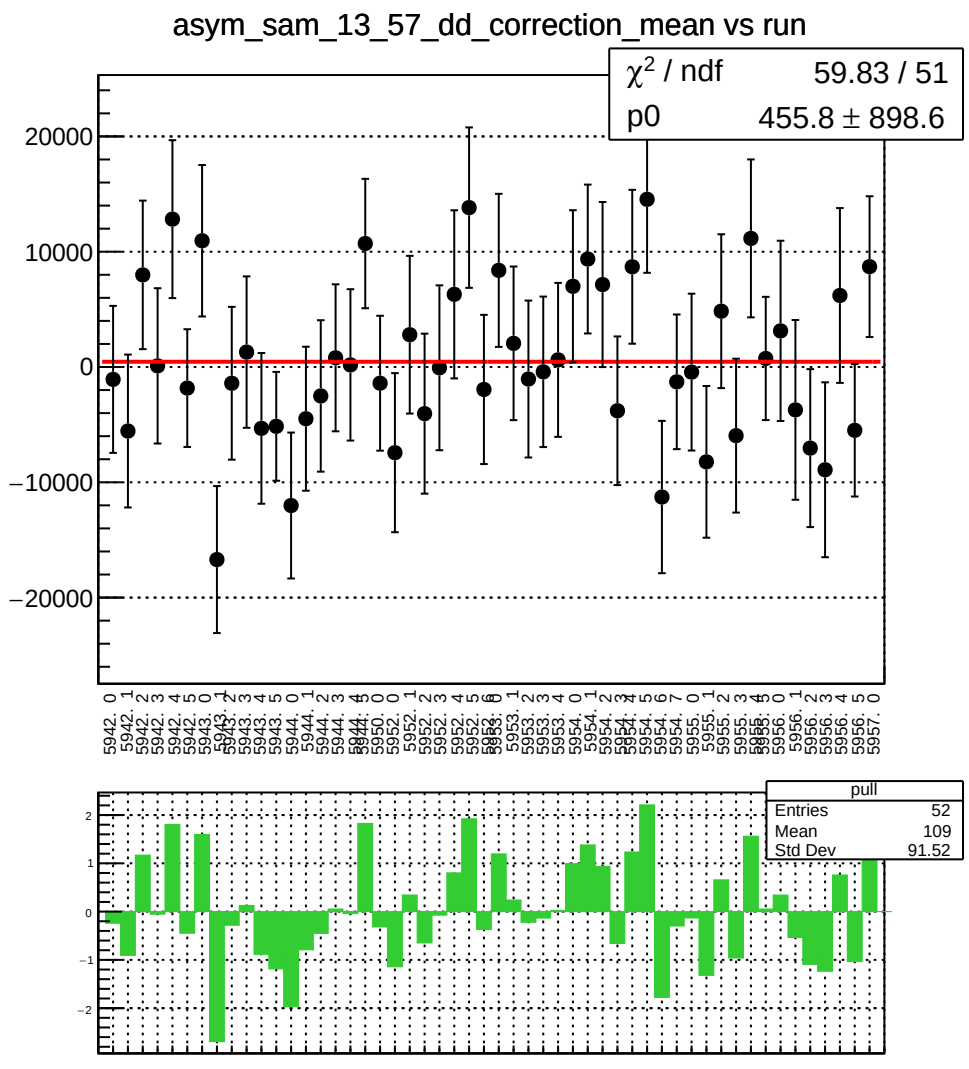
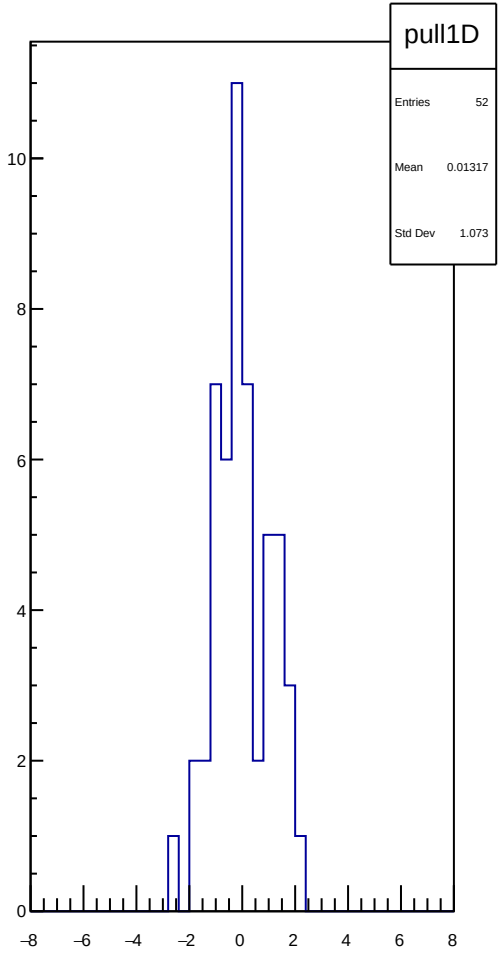
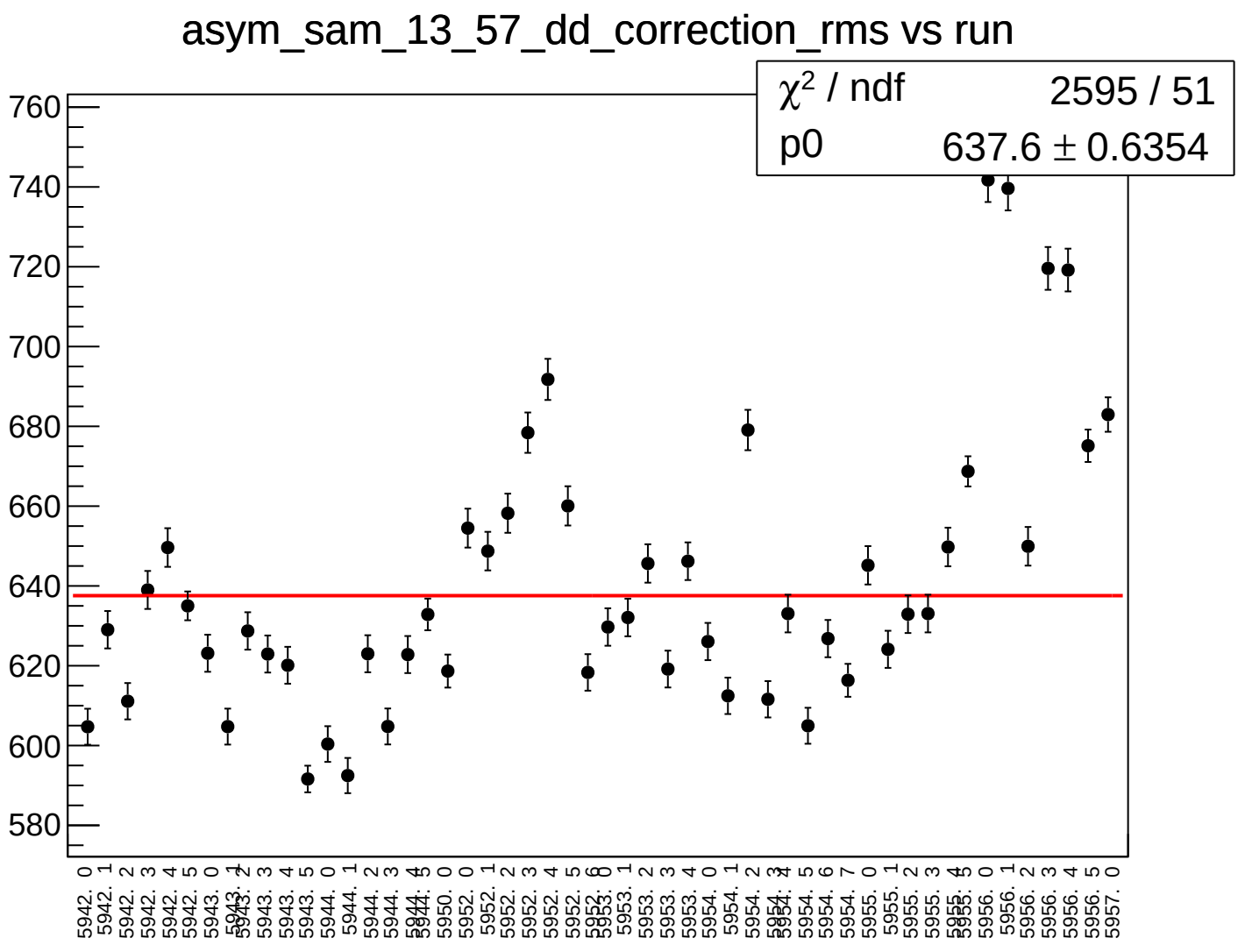
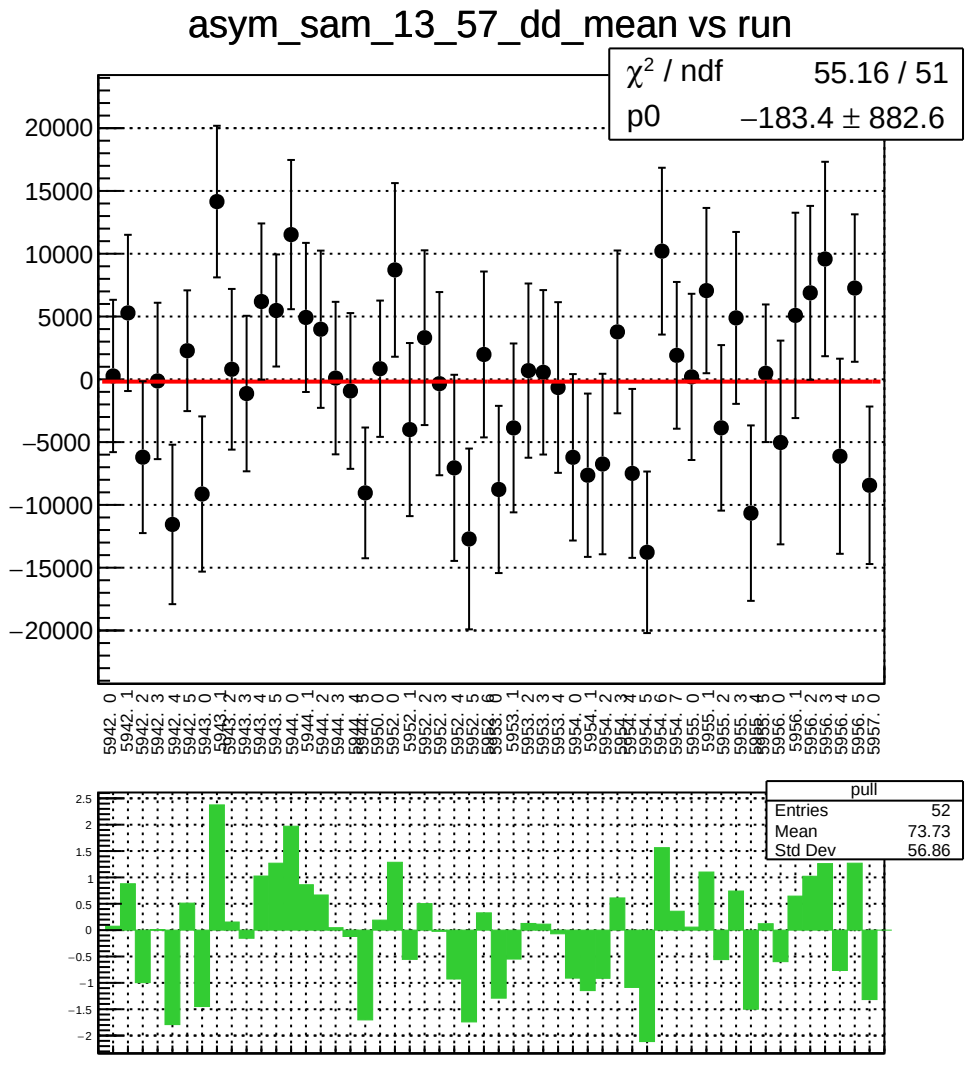
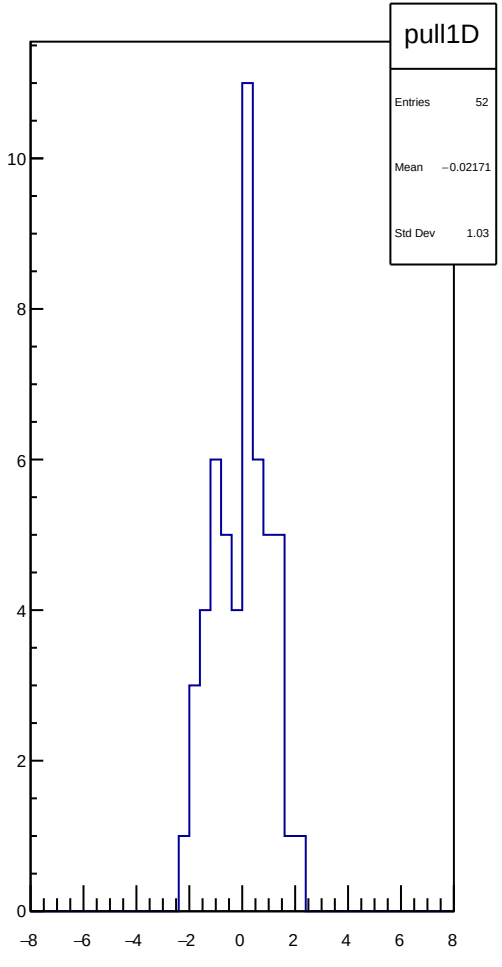
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

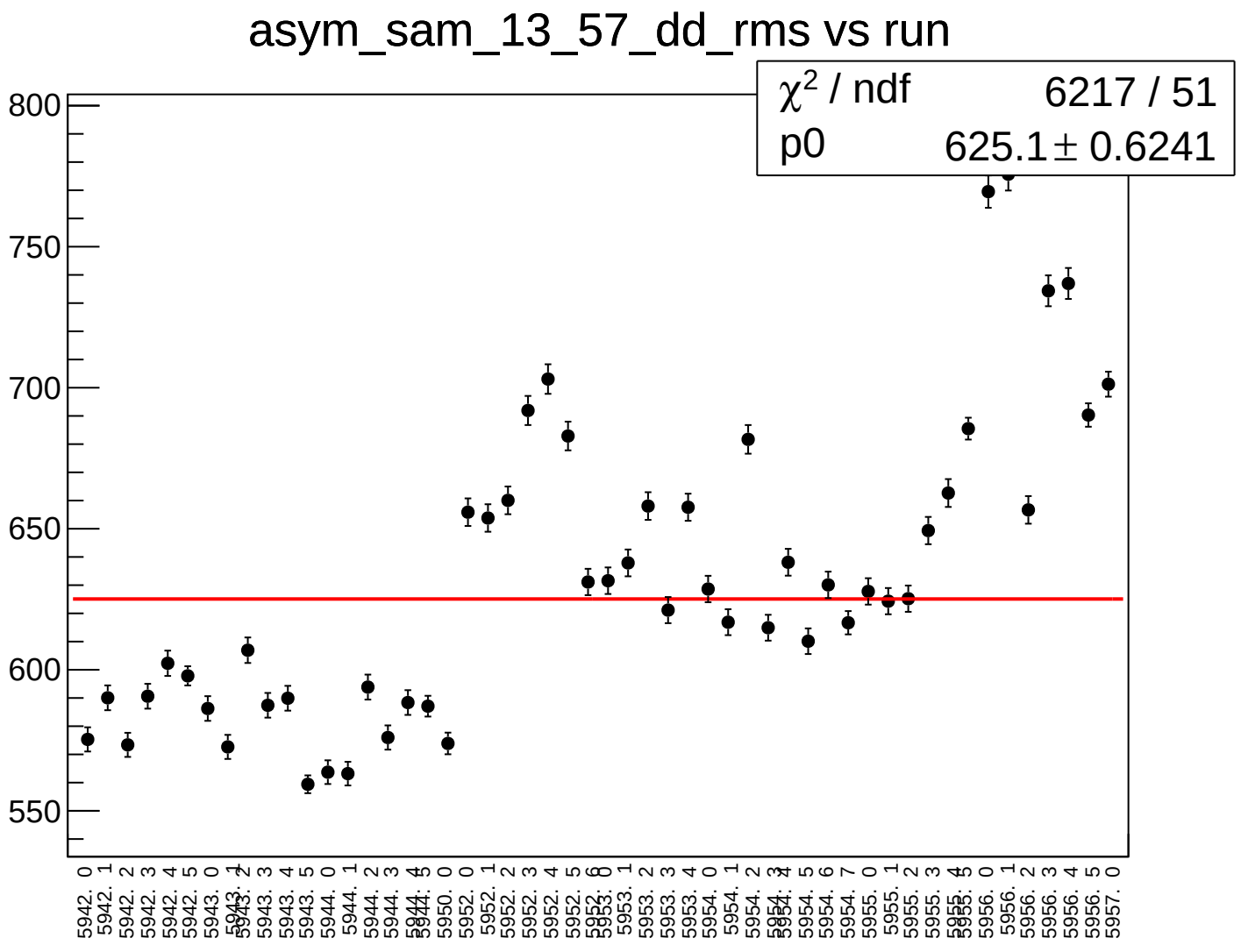

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 59.83 / 51
p0 455.8 ± 898.6
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 109
Std Dev 91.52
2
1
0
−1
−2

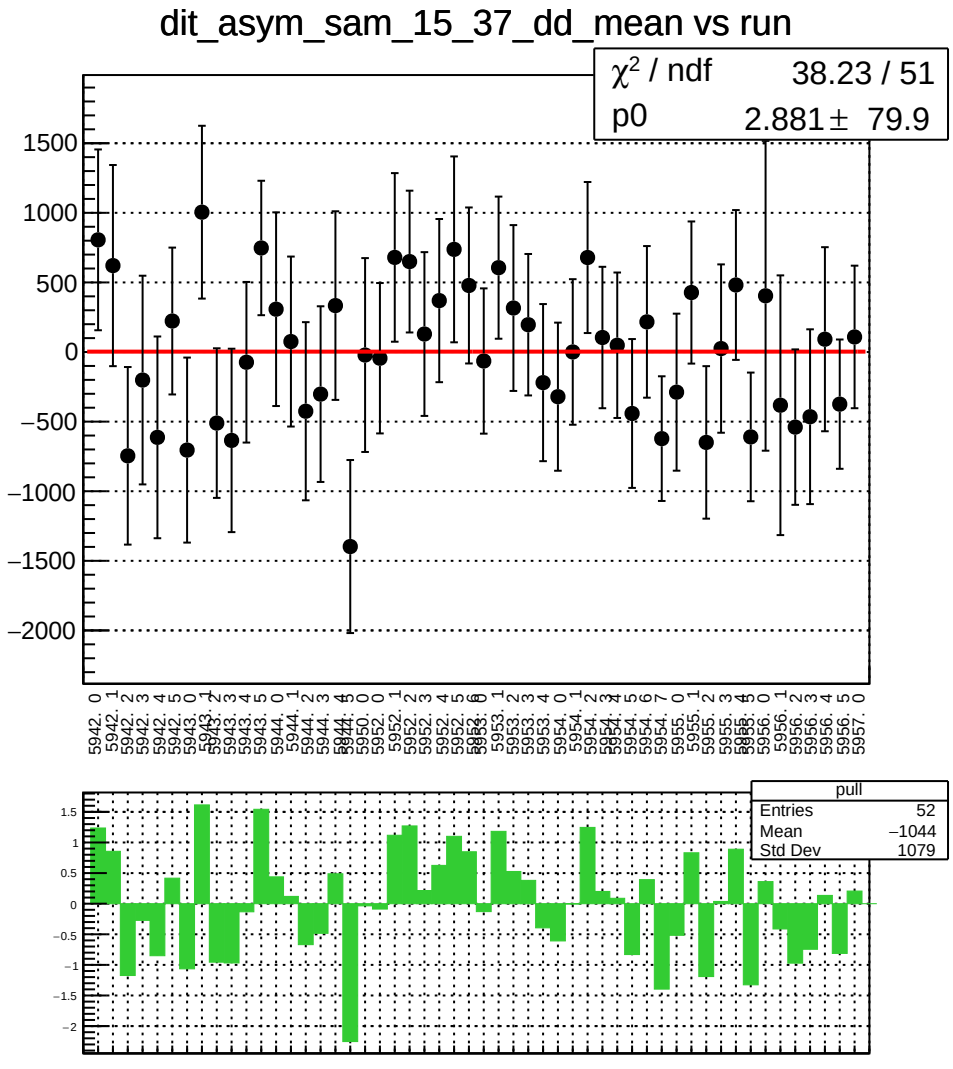

pull1D
Entries 52
Mean 0.01317
Std Dev 1.073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

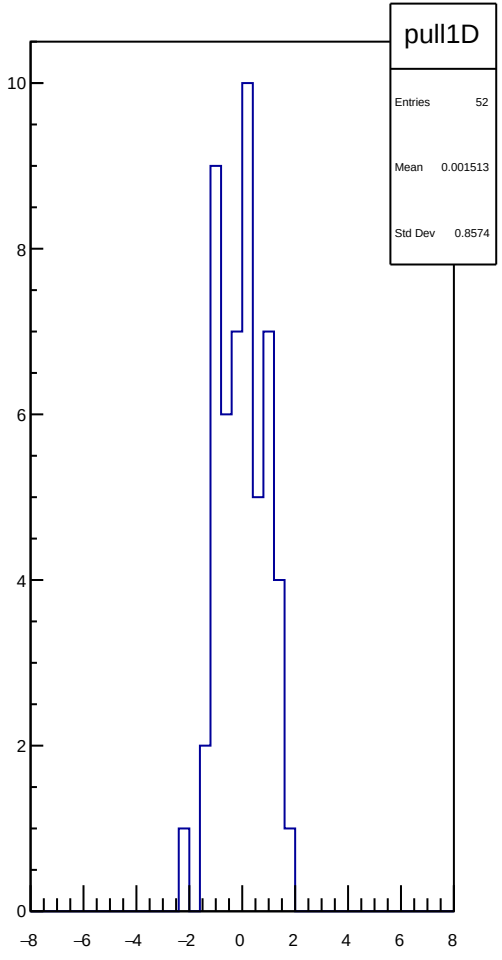

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2595 / 51
p0 637.6 ± 0.6354
760
740
720
700
680
660
640
620
600
580
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

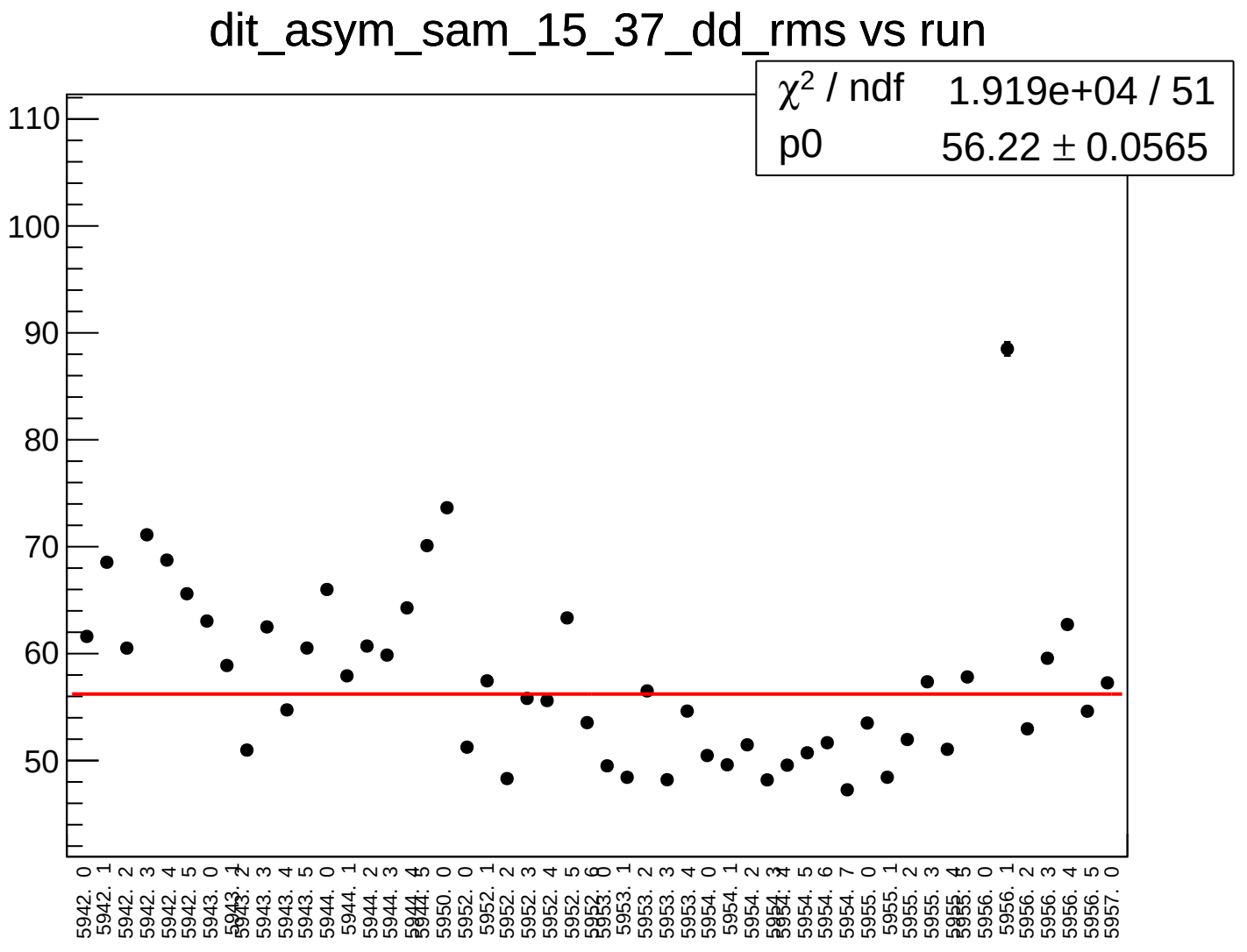

asym_sam_13_57_dd_mean vs run
χ² / ndf 55.16 / 51
p0 −183.4 ± 882.6
pull
Entries 52
Mean 73.73
Std Dev 56.86

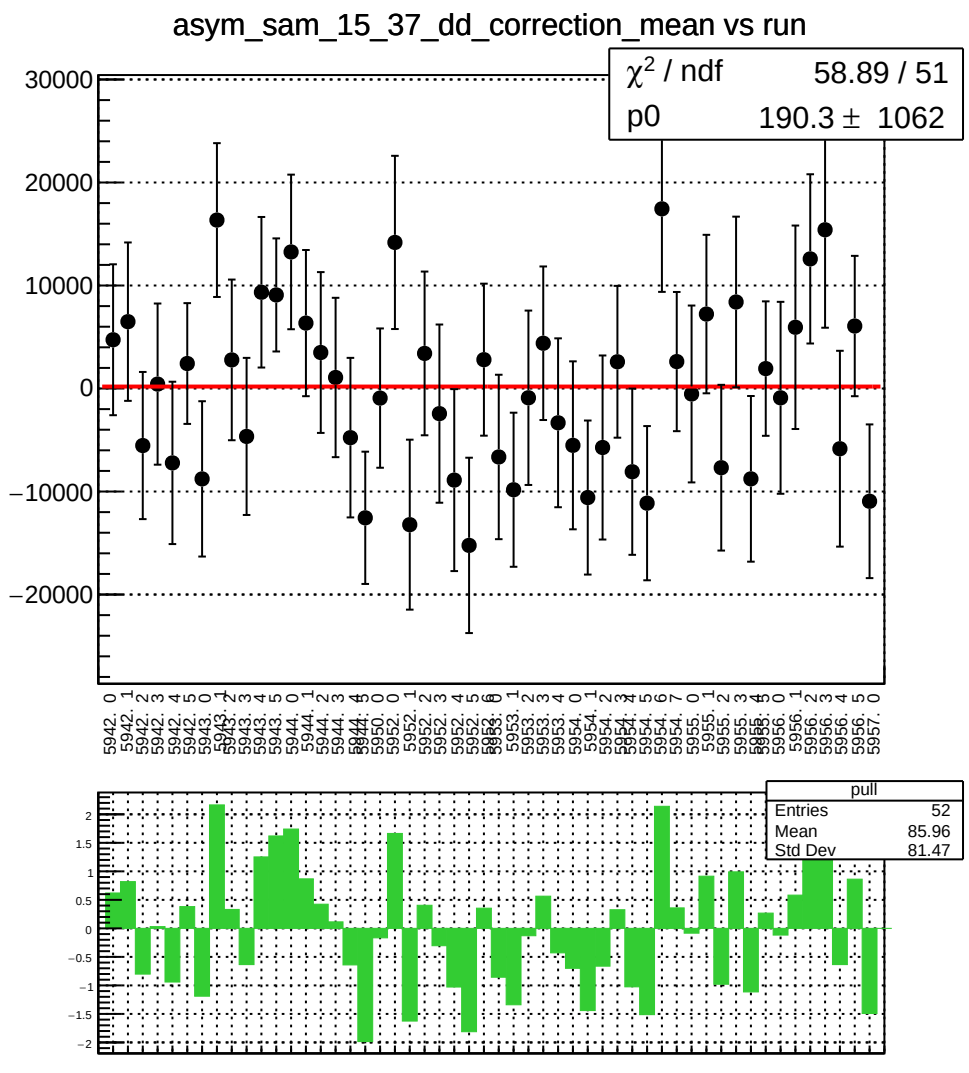

pull1D
Entries 52
Mean −0.02171
Std Dev 1.03

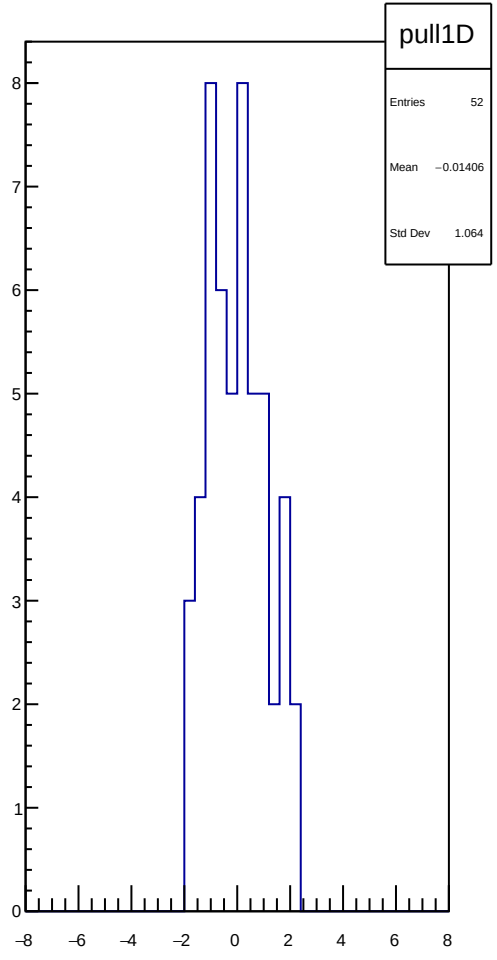

asym_sam_13_57_dd_rms vs run
χ² / ndf 6217 / 51
p0 625.1 ± 0.6241
800
750
700
650
600
550
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

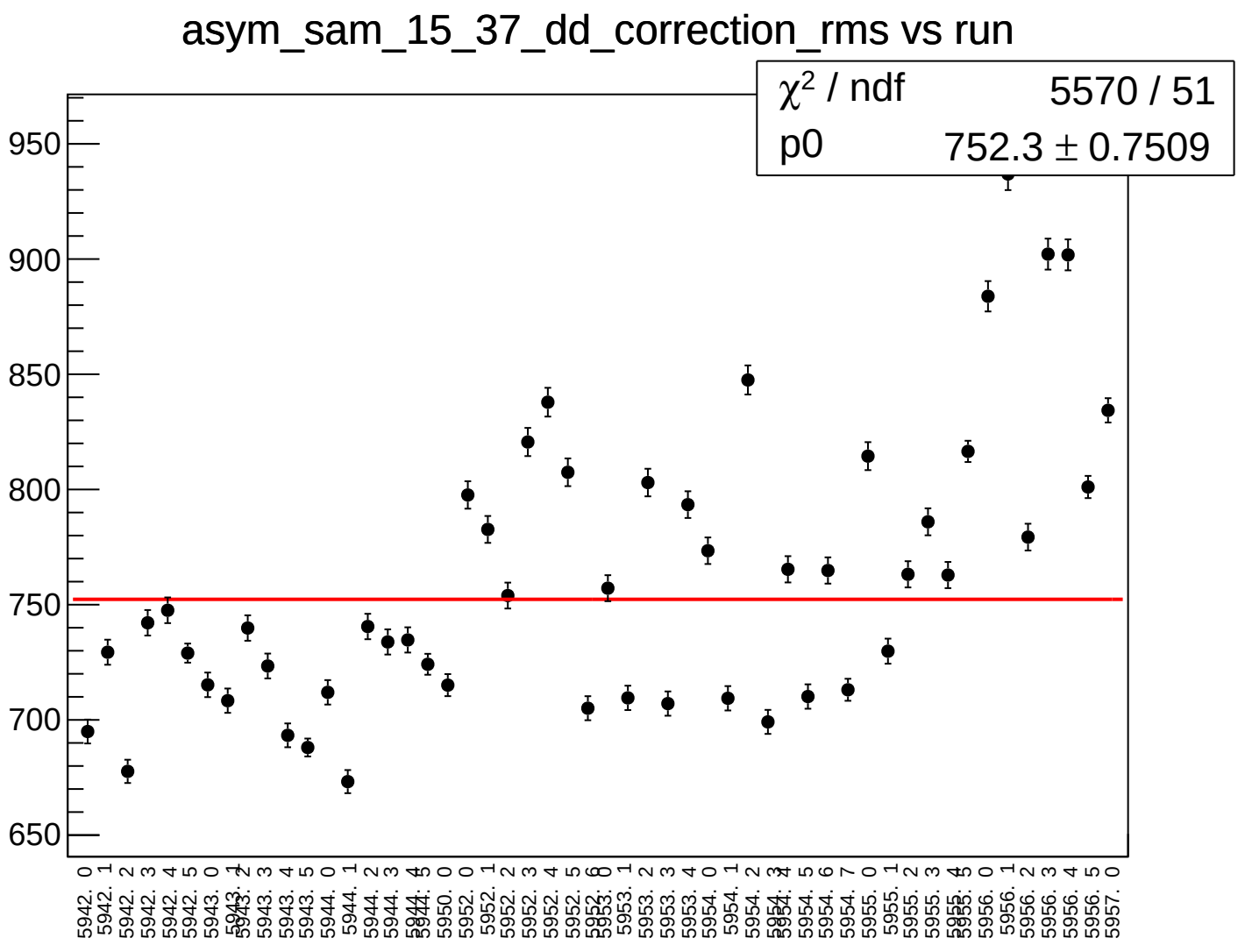

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.23 / 51
p0 2.881 ± 79.9
pull
Entries 52
Mean −1044
Std Dev 1079

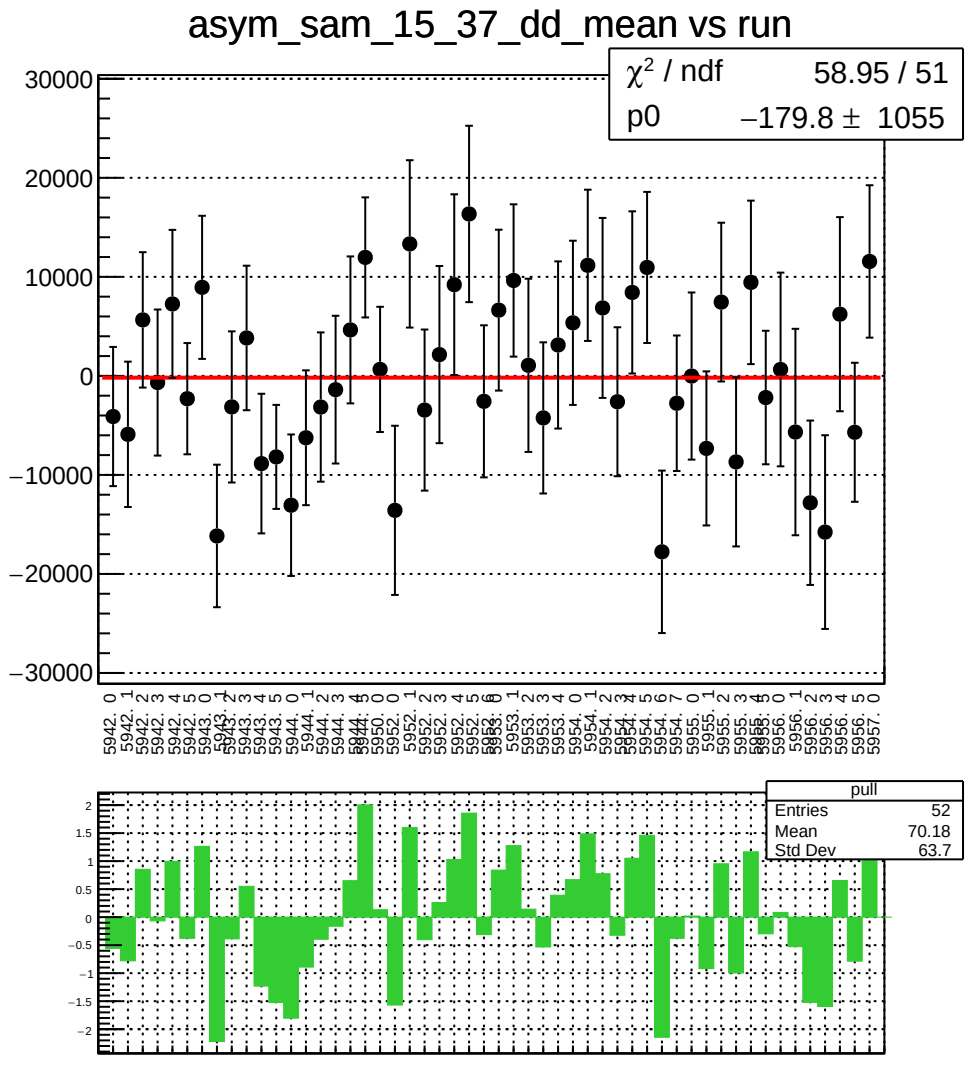

pull1D
Entries 52
Mean 0.001513
Std Dev 0.8574

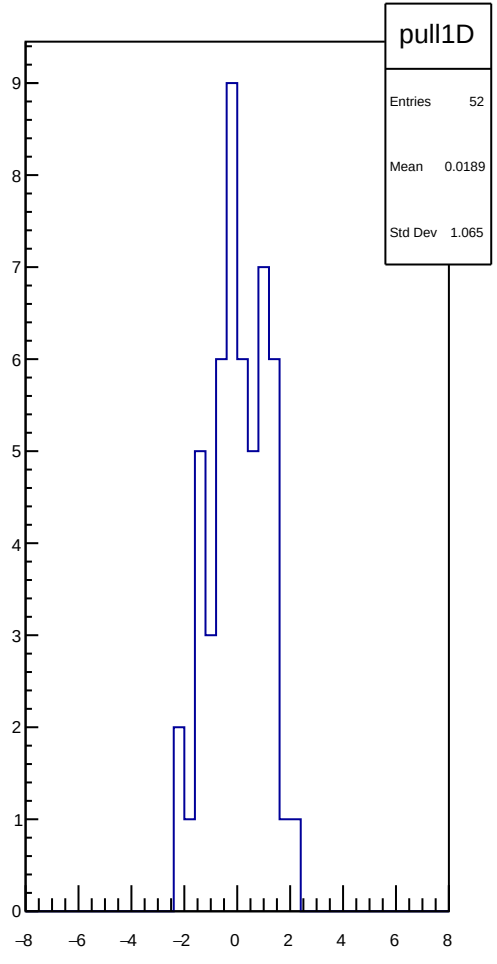

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.919e+04 / 51
p0 56.22 ± 0.0565
110
100
90
80
70
60
50
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

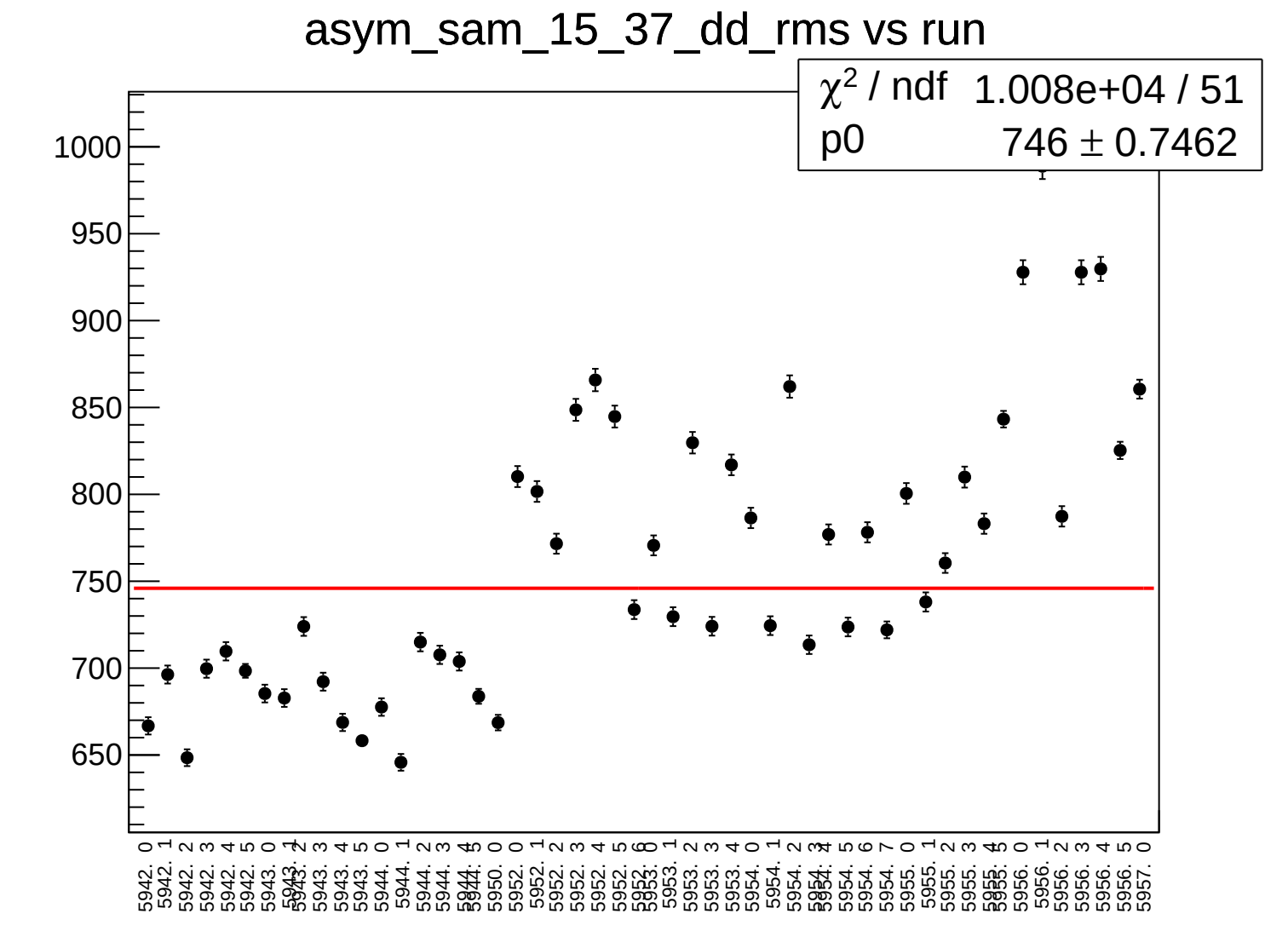

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 58.89 / 51
p0 190.3 ± 1062
pull
Entries 52
Mean 85.96
Std Dev 81.47

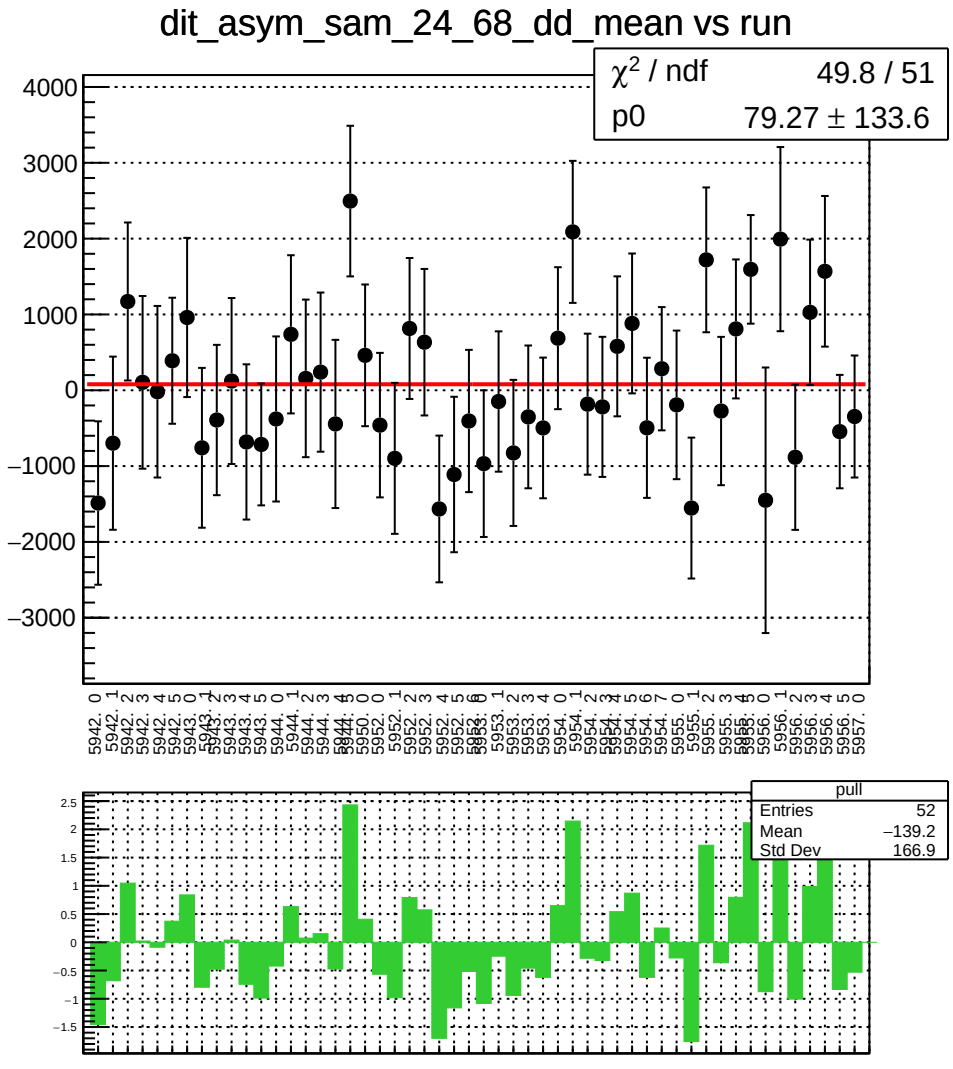

pull1D
Entries 52
Mean −0.01406
Std Dev 1.064

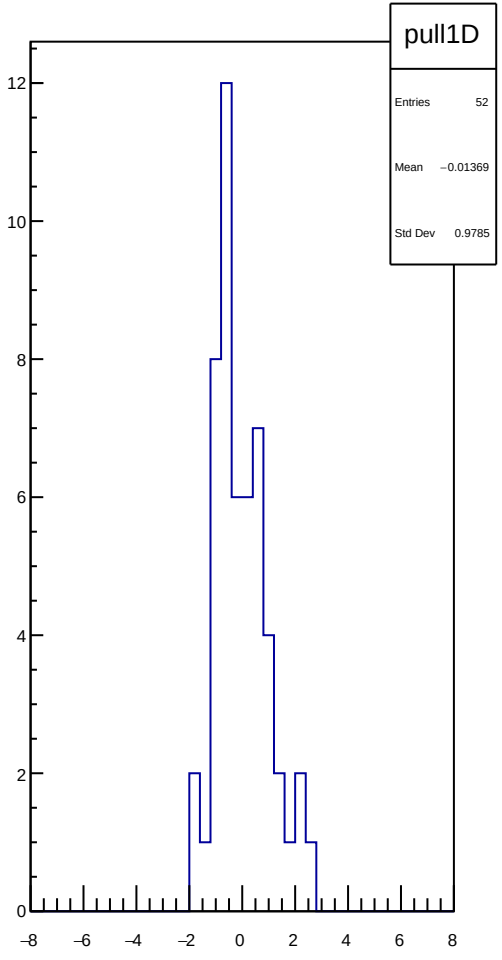

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 5570 / 51
p0 752.3 ± 0.7509
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

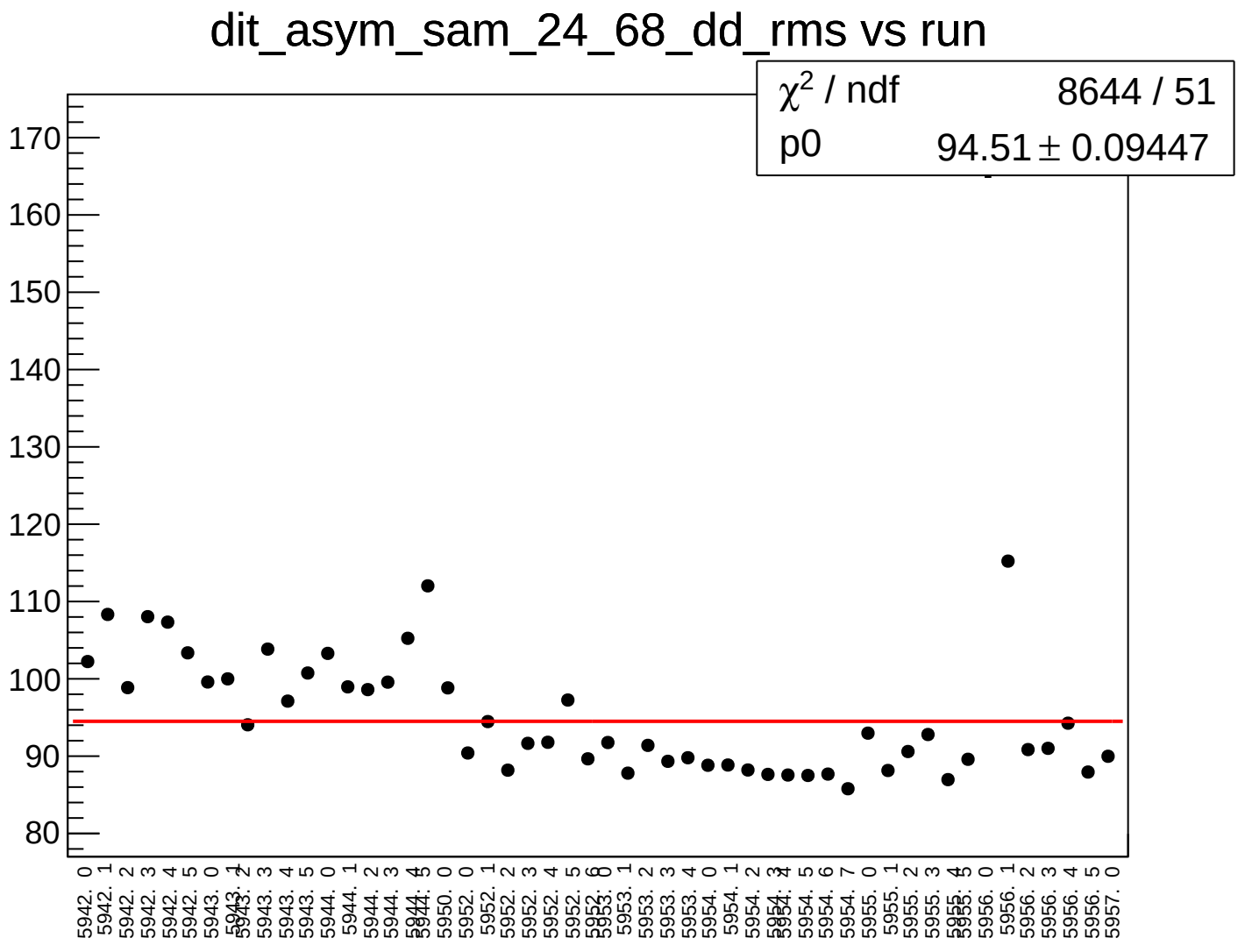

asym_sam_15_37_dd_mean vs run
χ² / ndf 58.95 / 51
p0 −179.8 ± 1055
pull
Entries 52
Mean 70.18
Std Dev 63.7

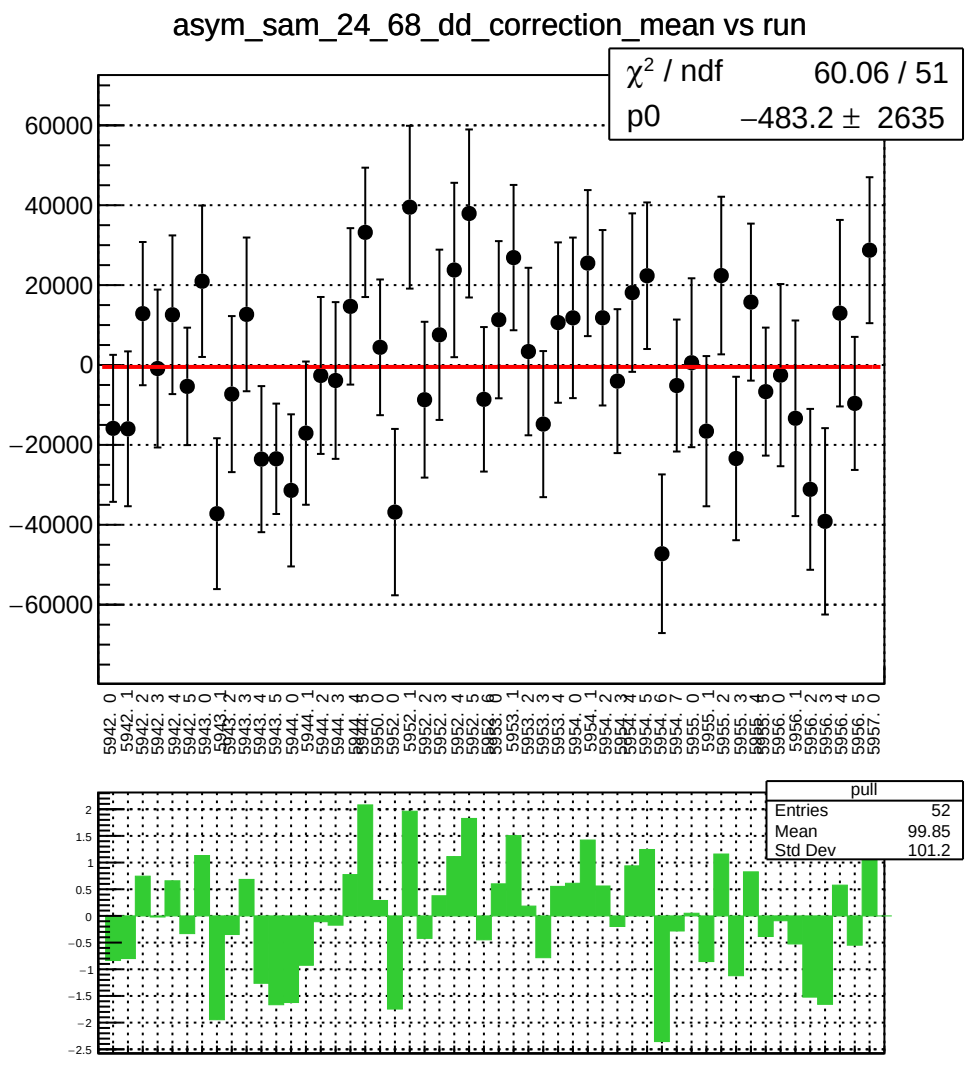

pull1D
Entries 52
Mean 0.0189
Std Dev 1.065

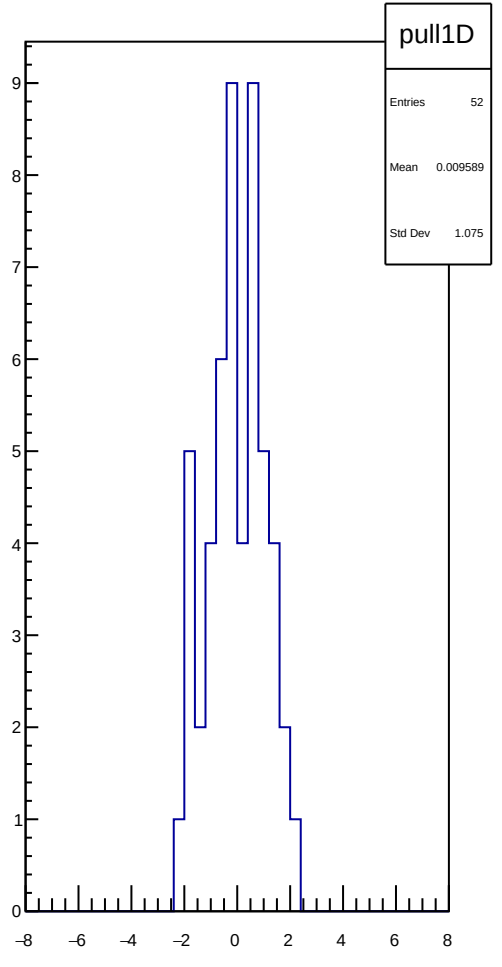

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.008e+04 / 51
p0 746 ± 0.7462
1000
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

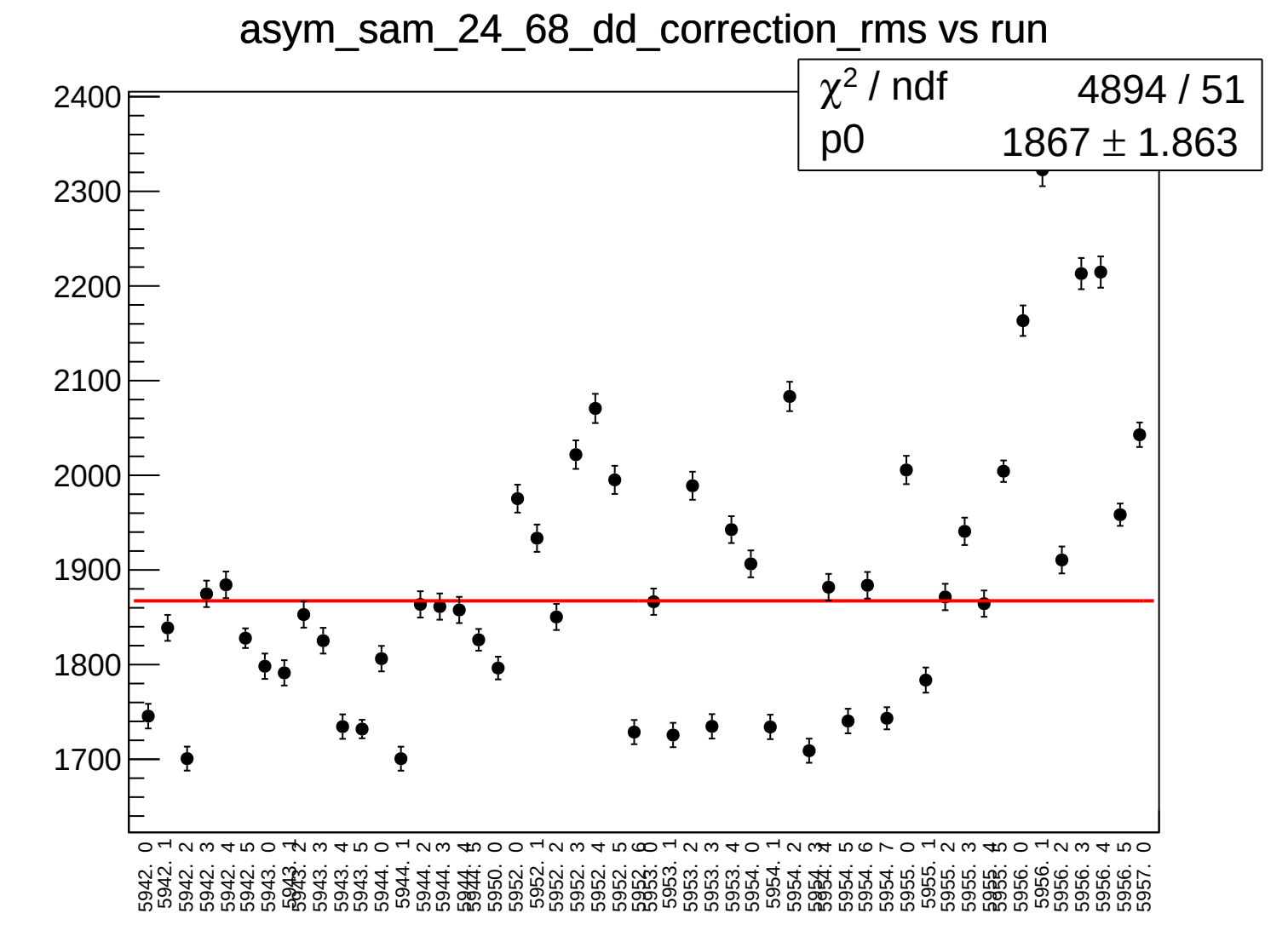

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 49.8 / 51
p0 79.27 ± 133.6
pull
Entries 52
Mean −139.2
Std Dev 166.9

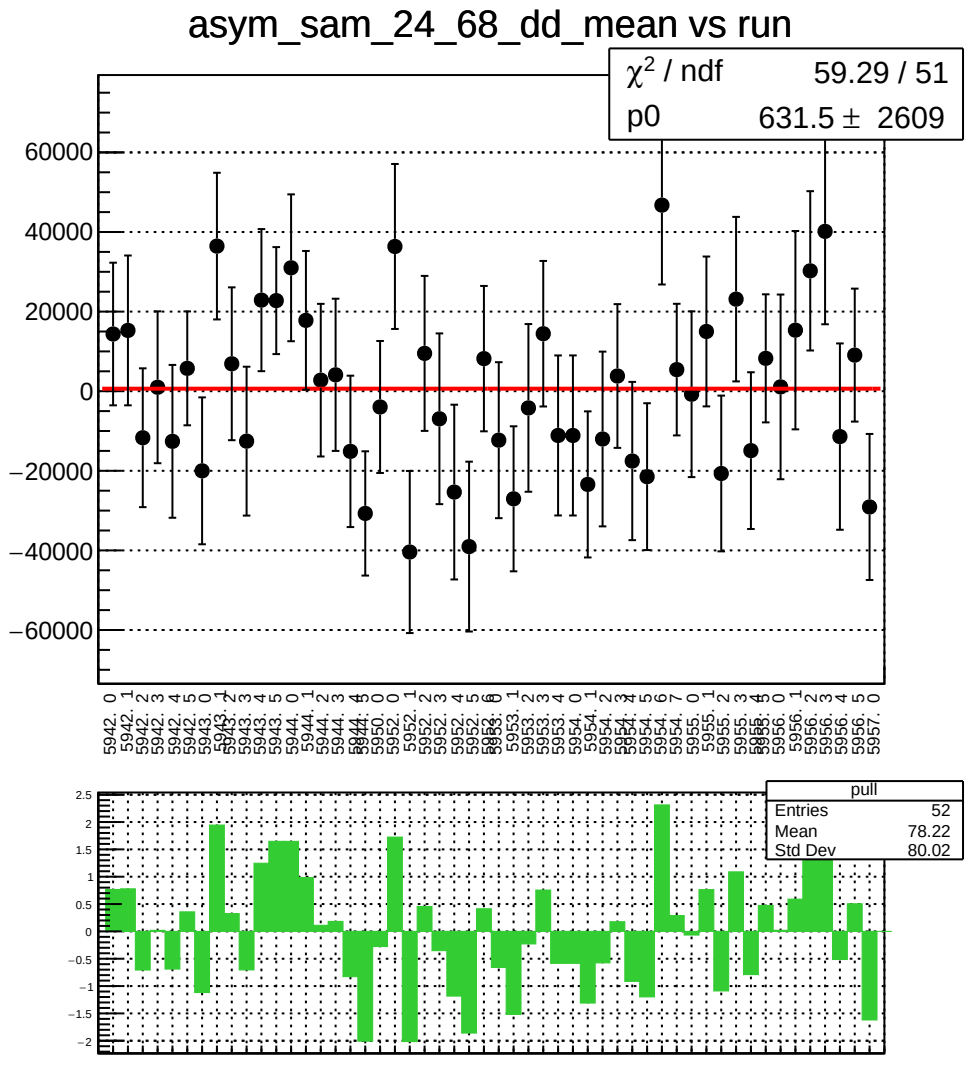

pull1D
Entries 52
Mean −0.01369
Std Dev 0.9785

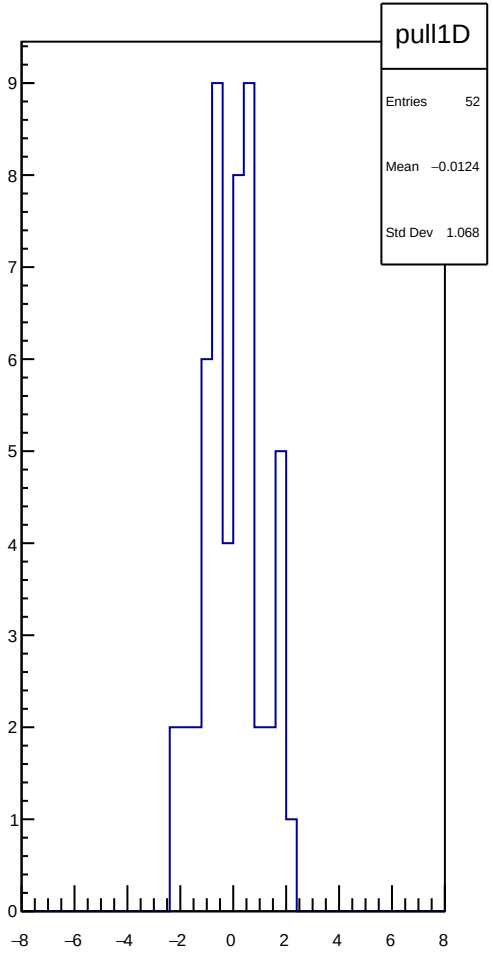

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 8644 / 51
p0 94.51 ± 0.09447
170
160
150
140
130
120
110
100
90
80
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

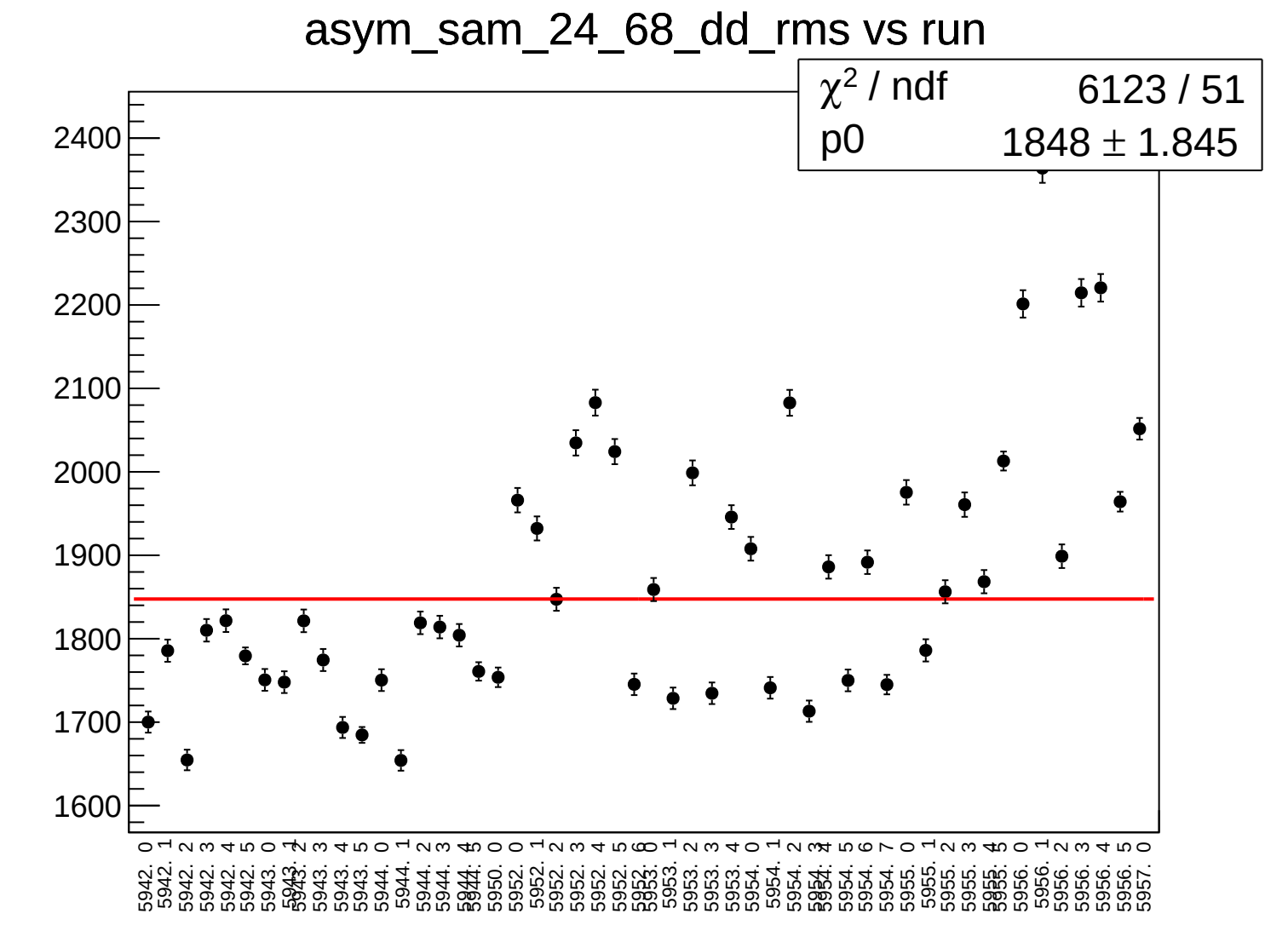

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 60.06 / 51
p0 −483.2 ± 2635
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 99.85
Std Dev 101.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

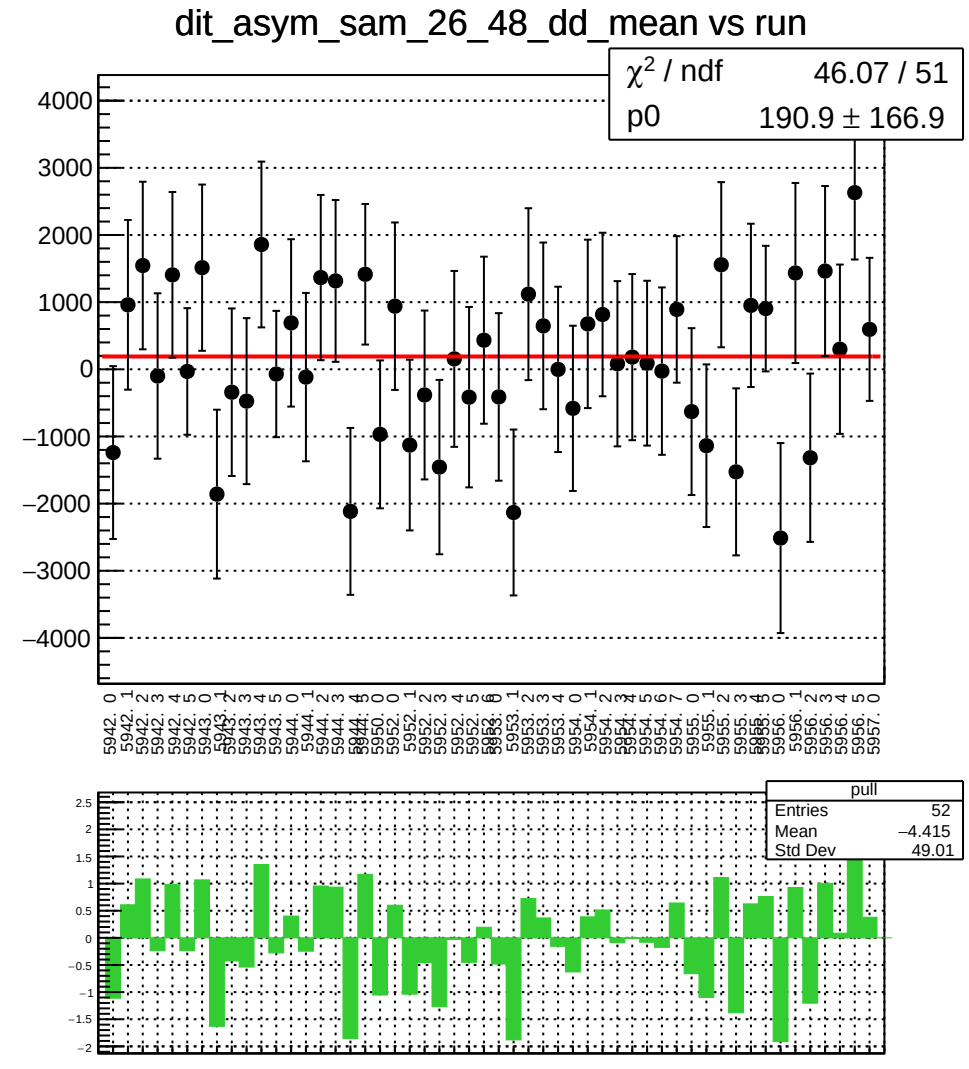

pull1D
Entries 52
Mean 0.009589
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

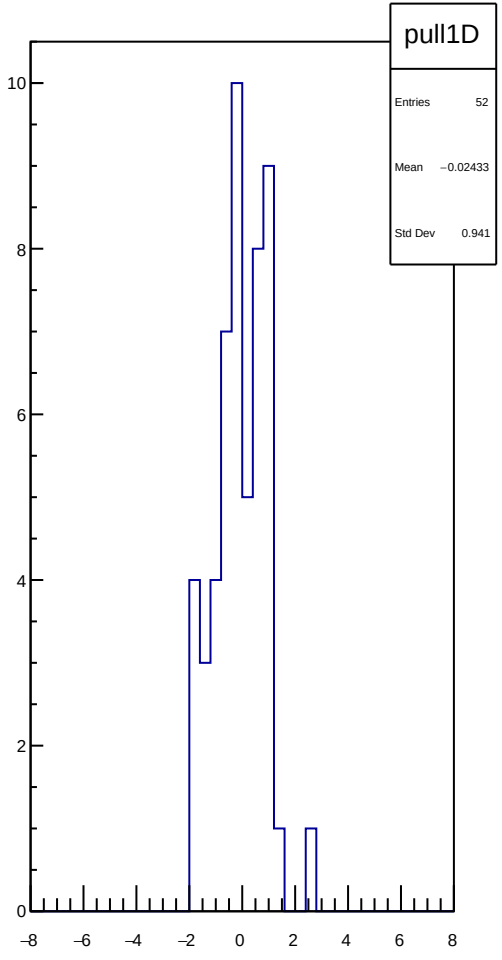

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4894 / 51
p0 1867 ± 1.863
2400
2300
2200
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

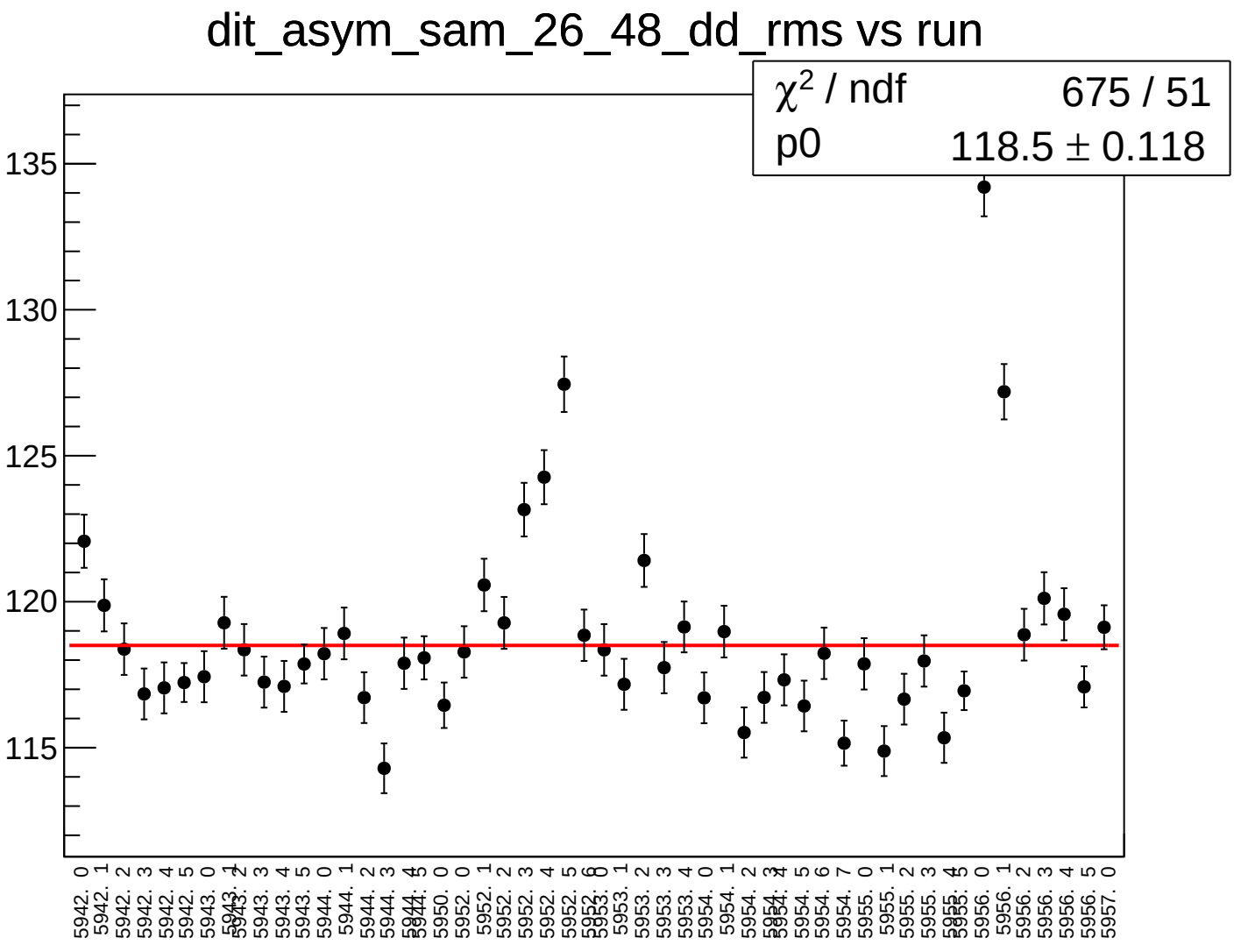

asym_sam_24_68_dd_mean vs run
χ² / ndf 59.29 / 51
p0 631.5 ± 2609
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 78.22
Std Dev 80.02
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

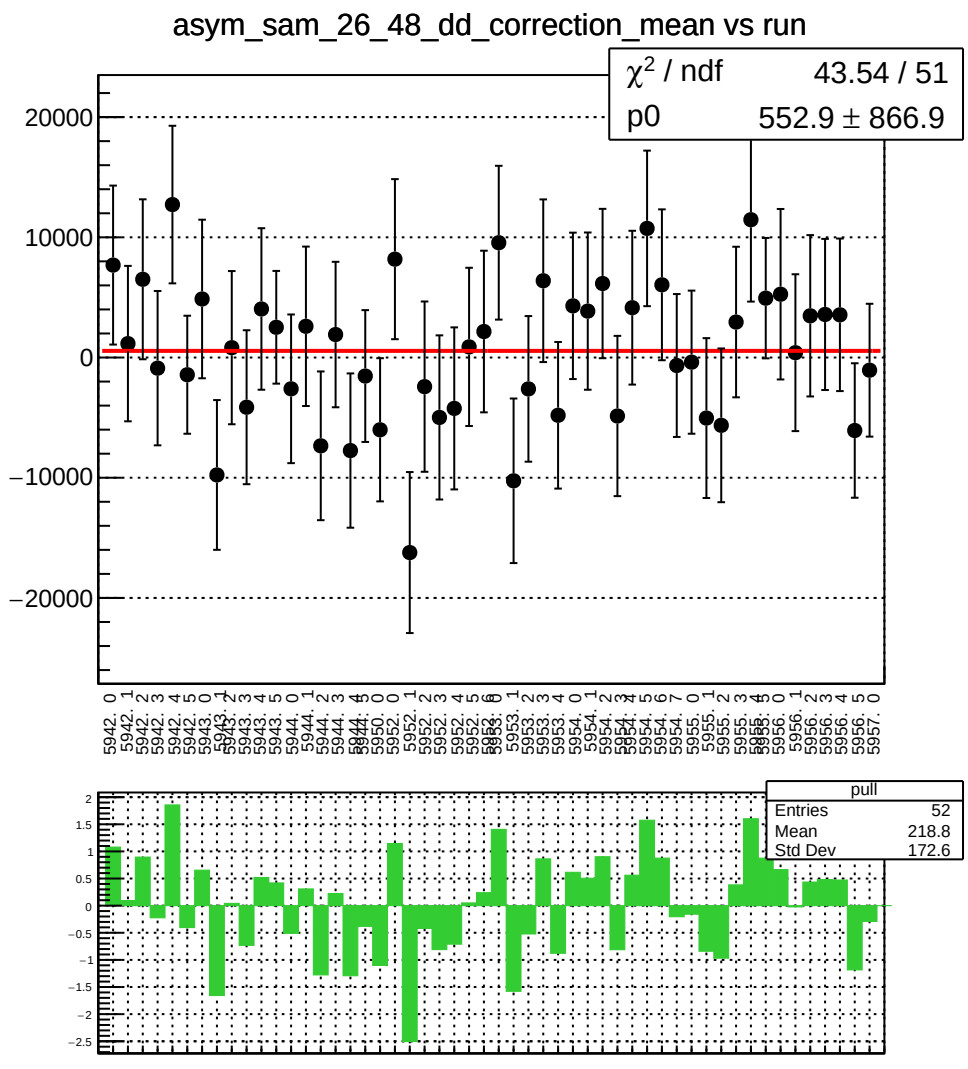

pull1D
Entries 52
Mean −0.0124
Std Dev 1.068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

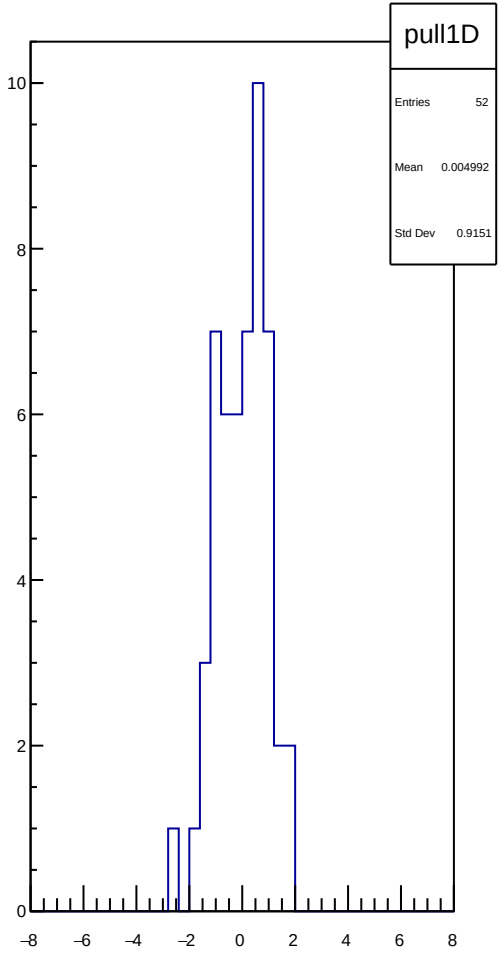

asym_sam_24_68_dd_rms vs run
χ² / ndf 6123 / 51
p0 1848 ± 1.845
2400
2300
2200
2100
2000
1900
1800
1700
1600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

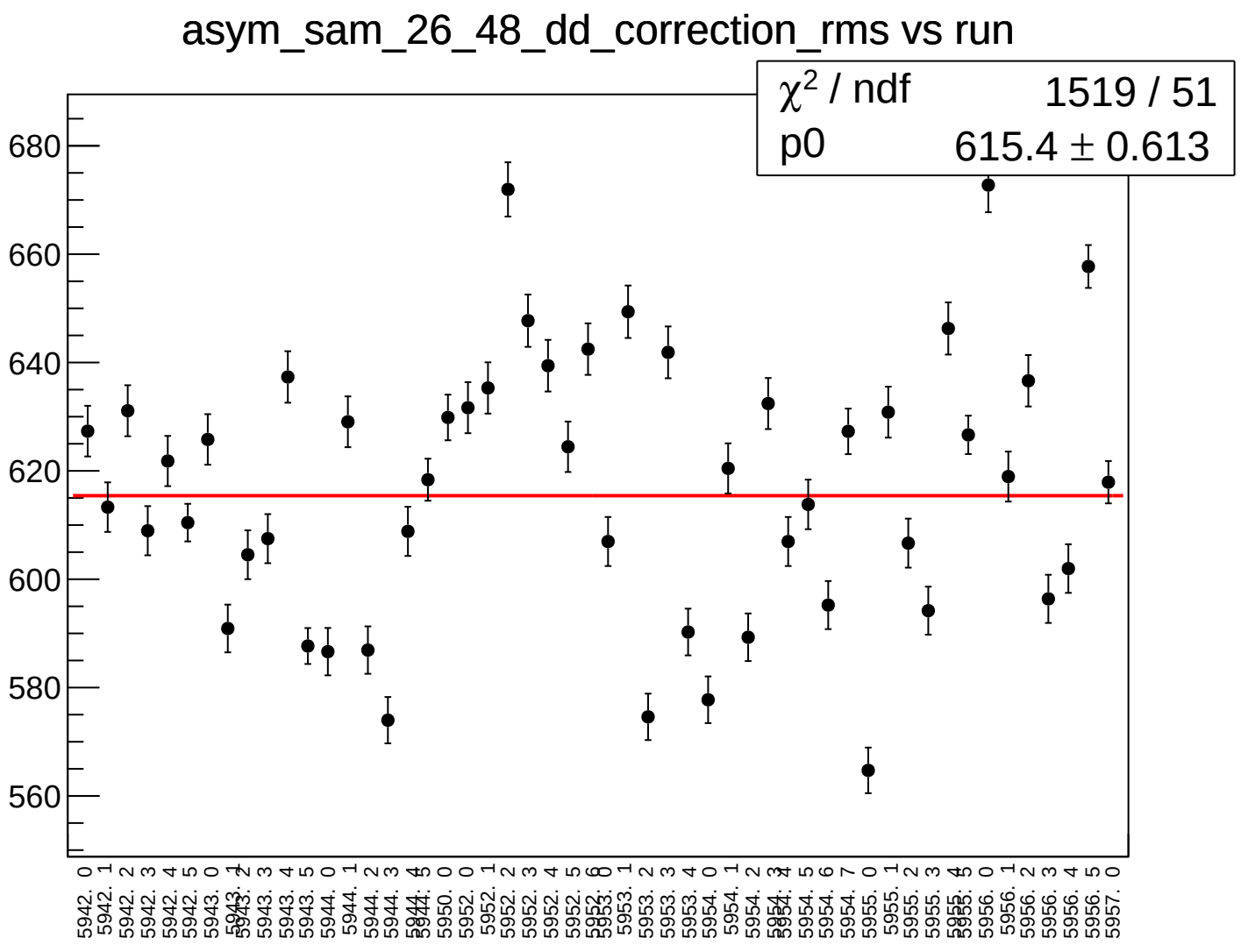

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 46.07 / 51
p0 190.9 ± 166.9
pull
Entries 52
Mean −4.415
Std Dev 49.01

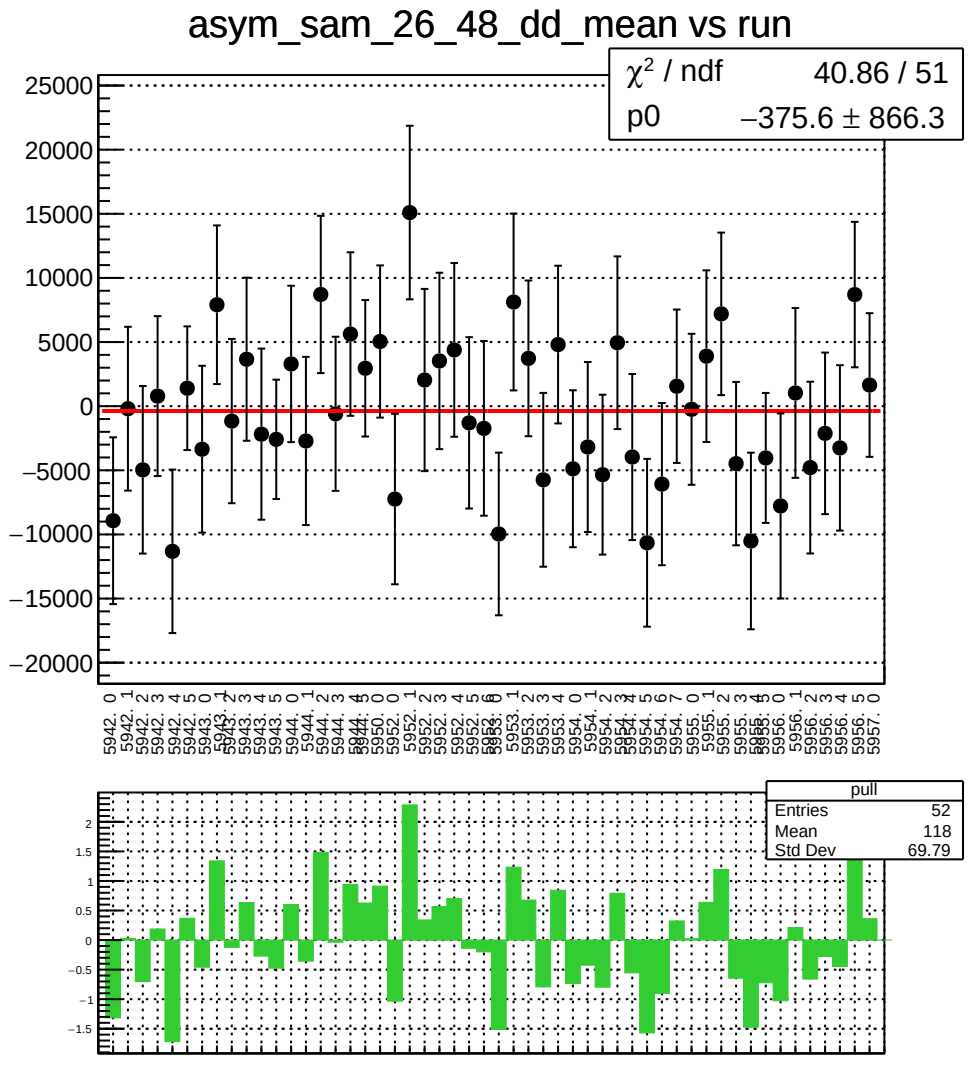

pull1D
Entries 52
Mean −0.02433
Std Dev 0.941

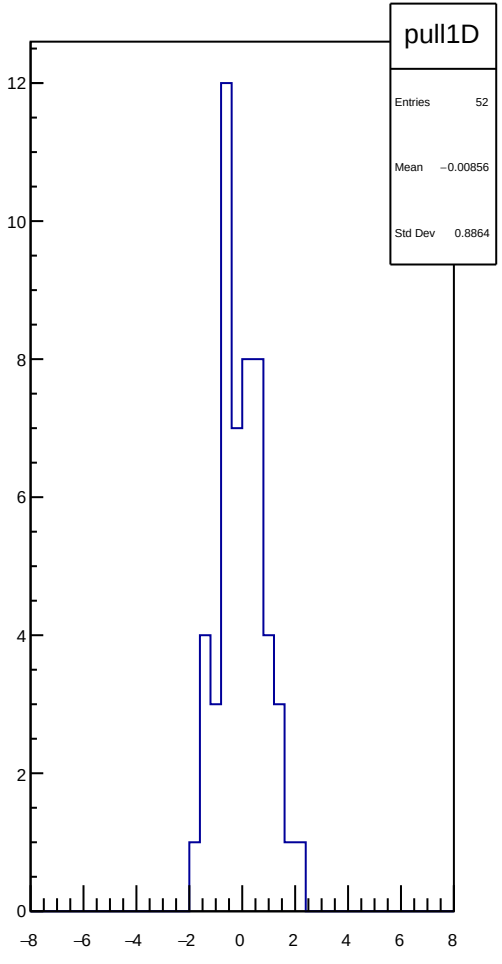

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 675 / 51
p0 118.5 ± 0.118
135
130
125
120
115
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

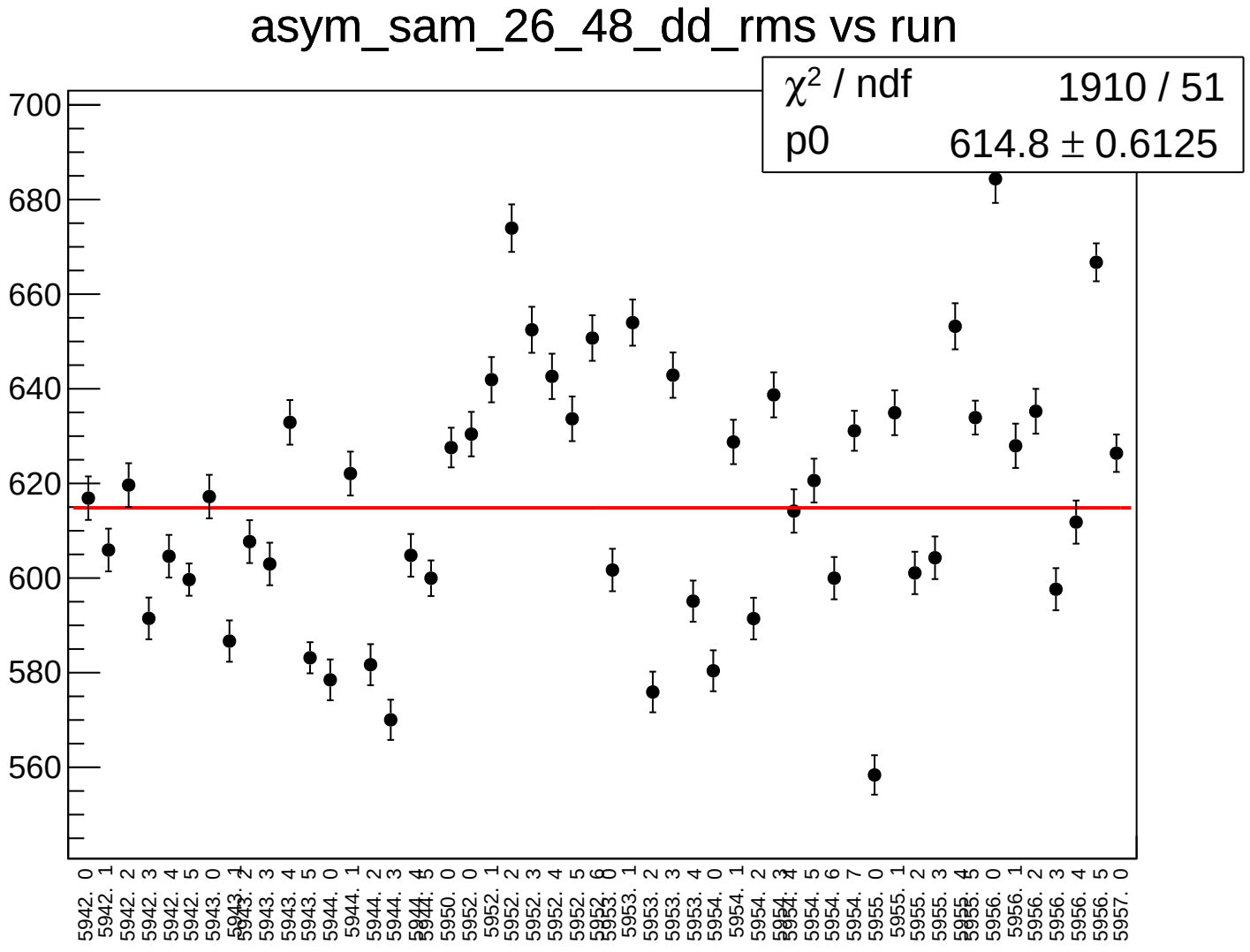

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 43.54 / 51
p0 552.9 ± 866.9
pull
Entries 52
Mean 218.8
Std Dev 172.6

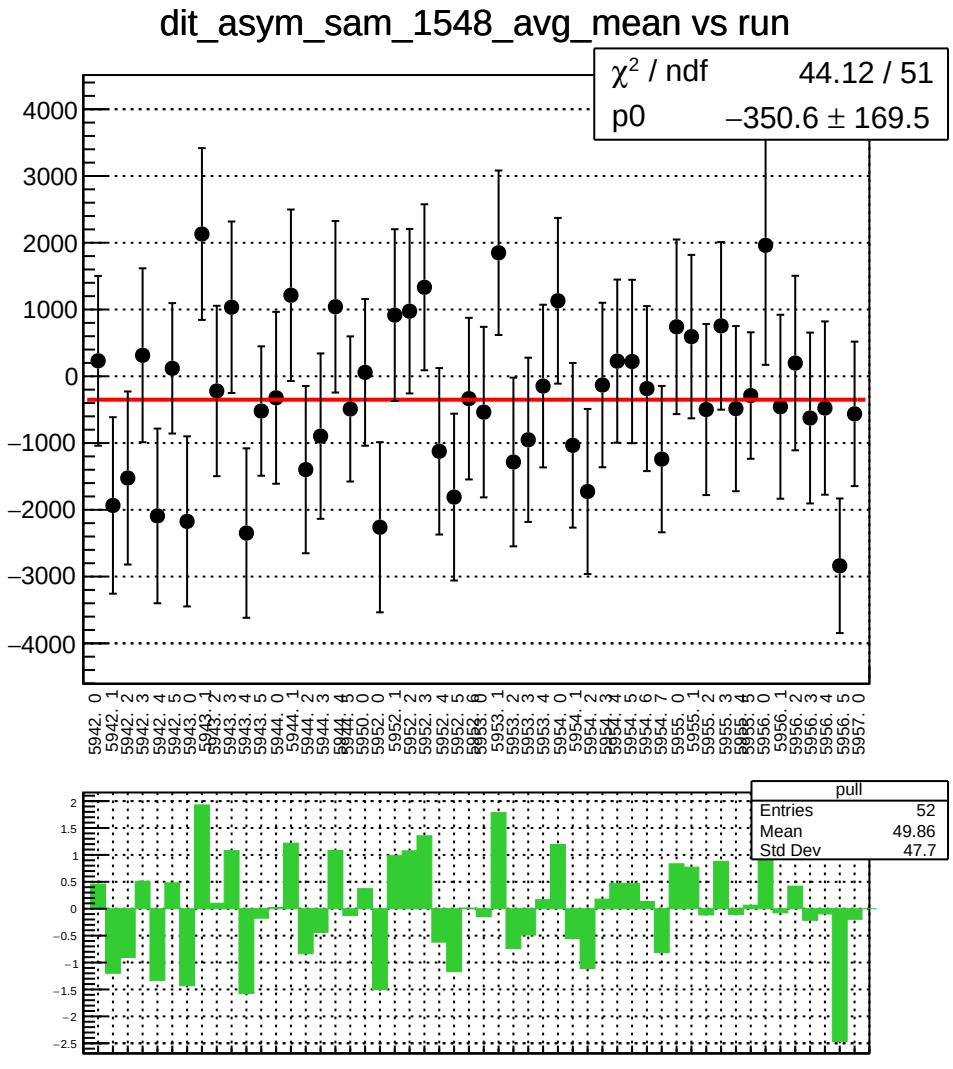

pull1D
Entries 52
Mean 0.004992
Std Dev 0.9151

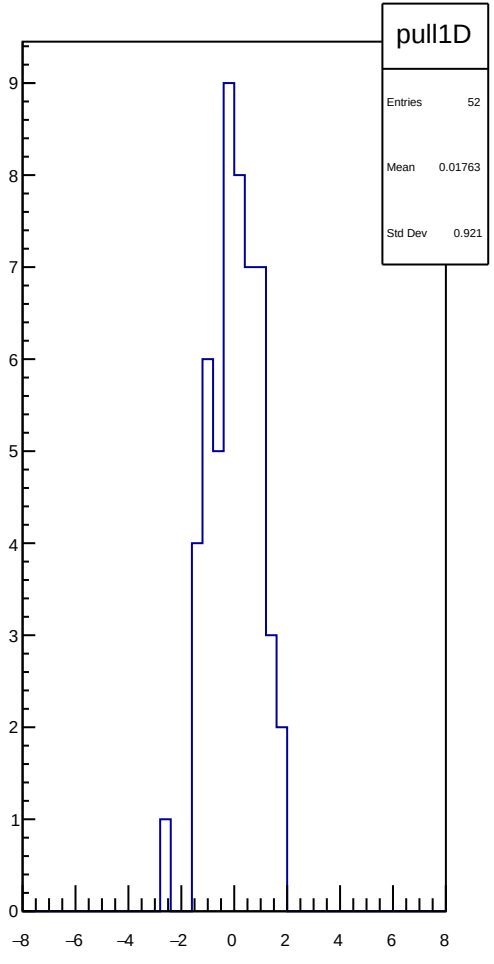

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1519 / 51
p0 615.4 ± 0.613
680
660
640
620
600
580
560
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

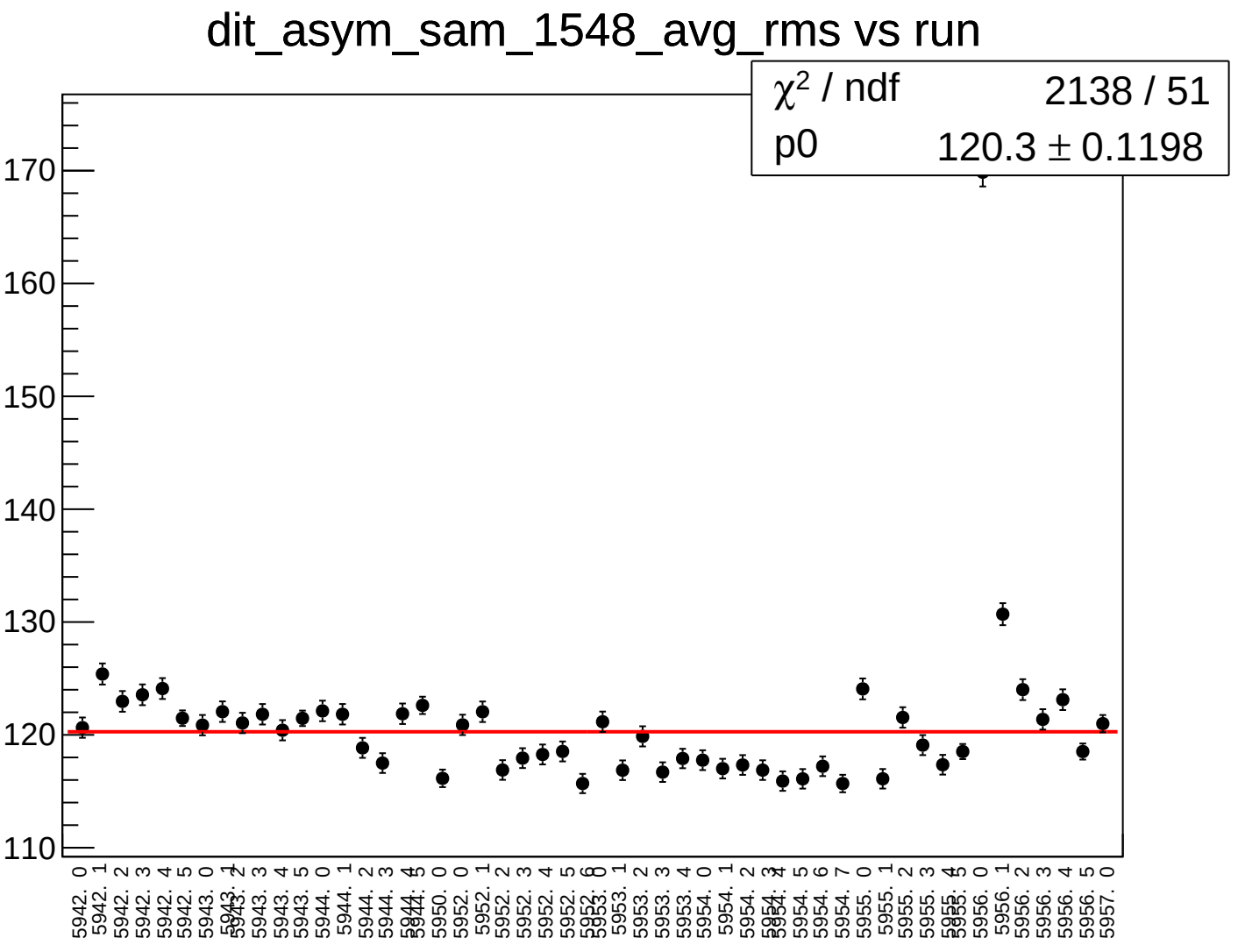

asym_sam_26_48_dd_mean vs run
χ² / ndf 40.86 / 51
p0 −375.6 ± 866.3
pull
Entries 52
Mean 118
Std Dev 69.79

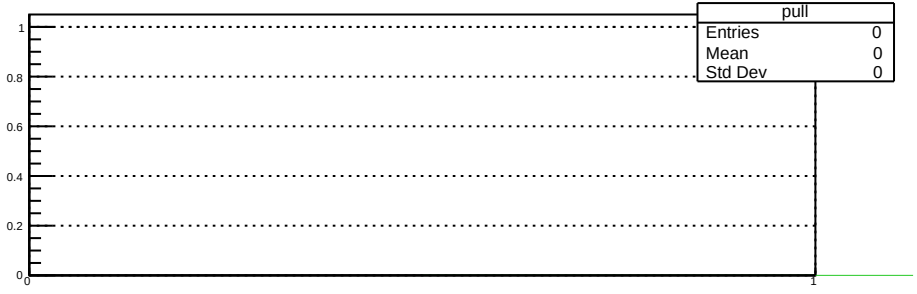

pull1D
Entries 52
Mean −0.00856
Std Dev 0.8864

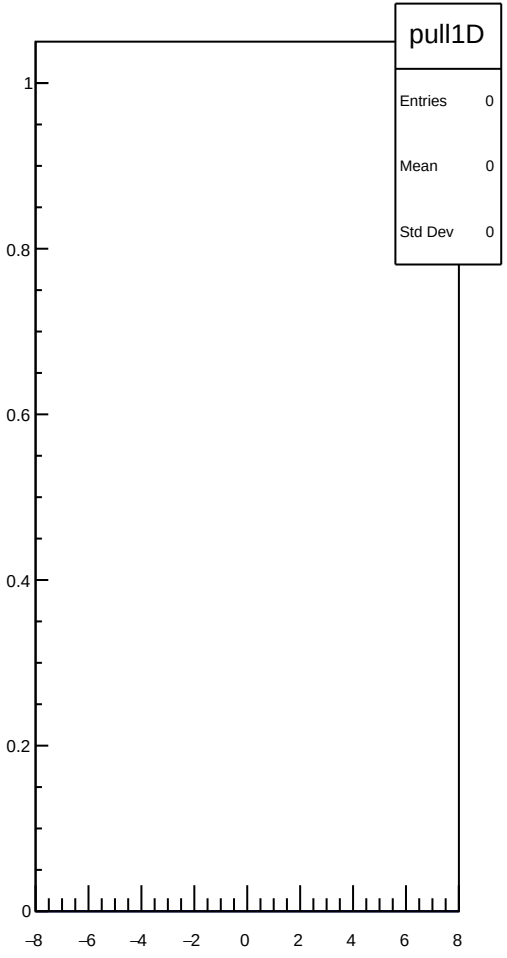

asym_sam_26_48_dd_rms vs run
χ² / ndf 1910 / 51
p0 614.8 ± 0.6125
700
680
660
640
620
600
580
560
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

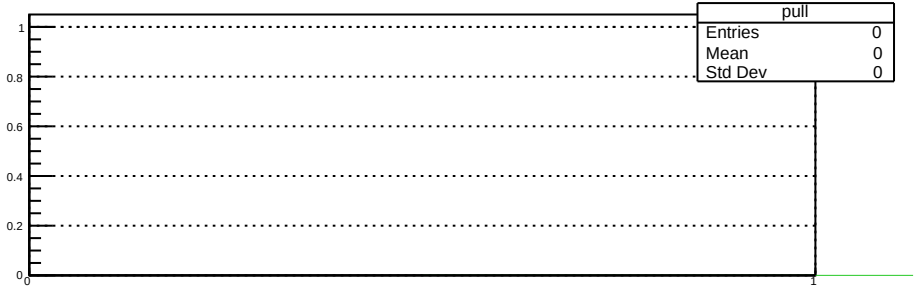

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 44.12 / 51
p0 −350.6 ± 169.5
pull
Entries 52
Mean 49.86
Std Dev 47.7

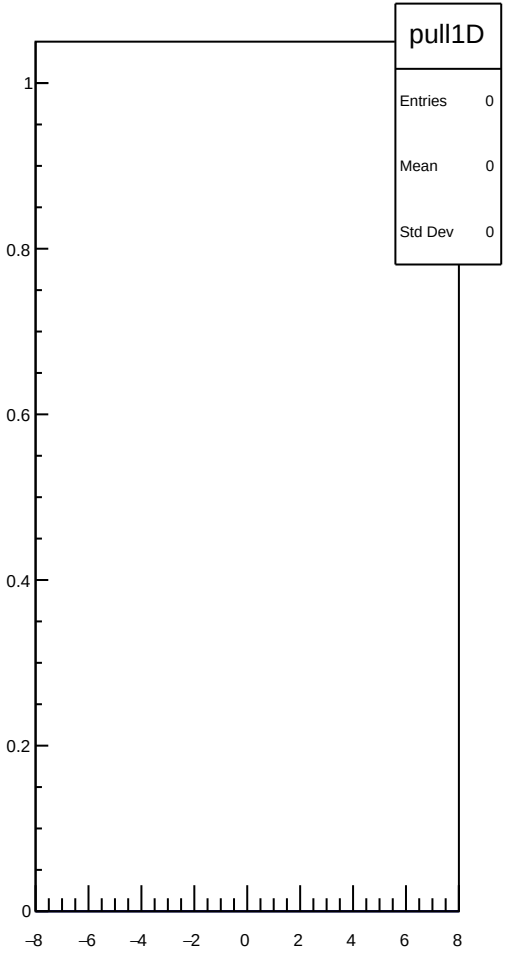

pull1D
Entries 52
Mean 0.01763
Std Dev 0.921

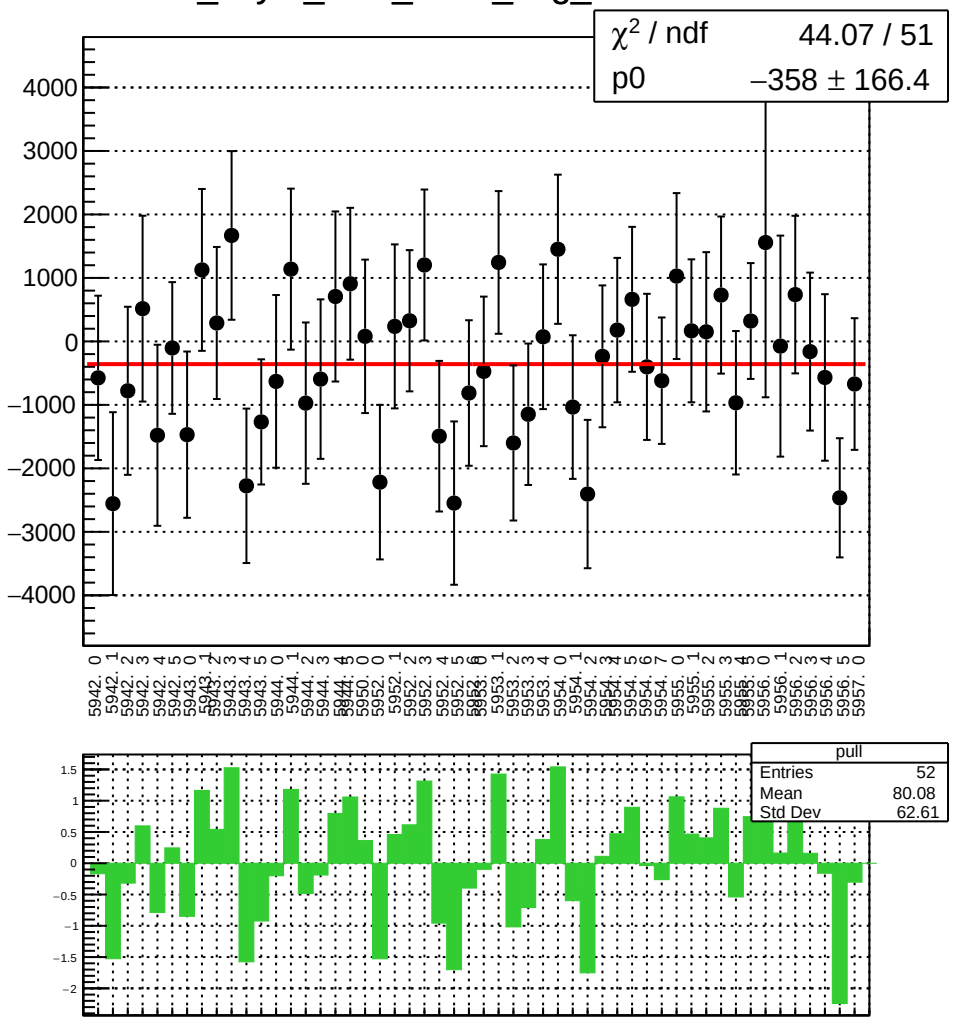

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2138 / 51
p0 120.3 ± 0.1198
170
160
150
140
130
120
110
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

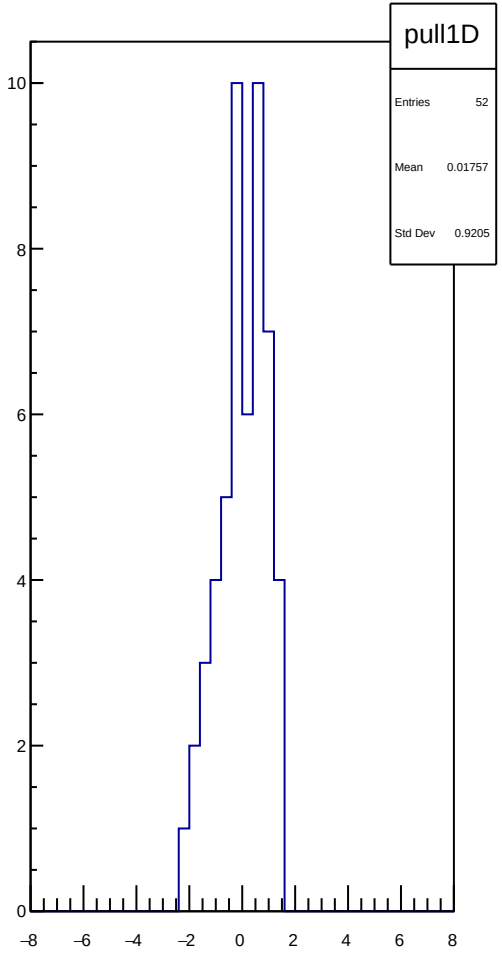

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

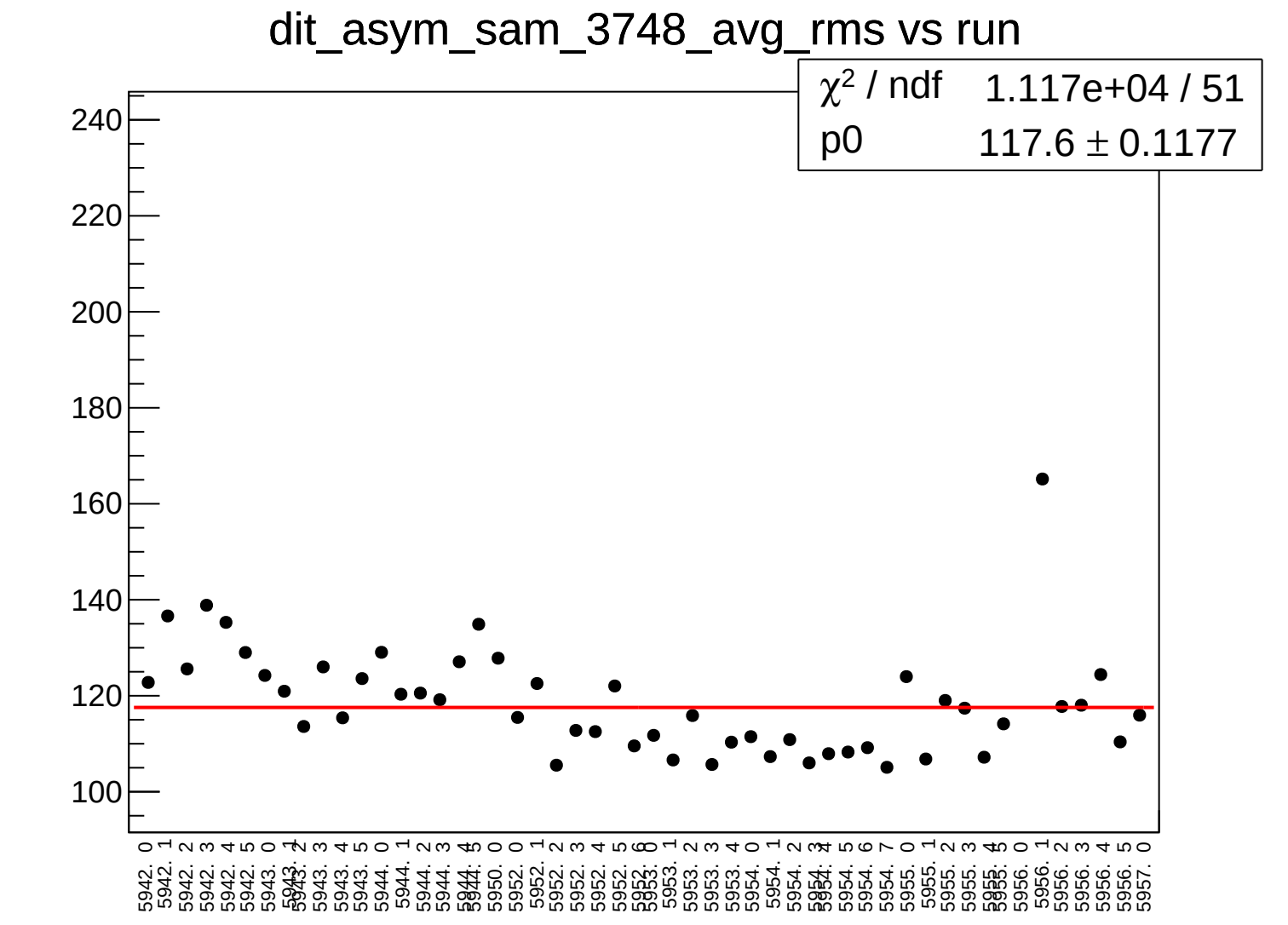

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

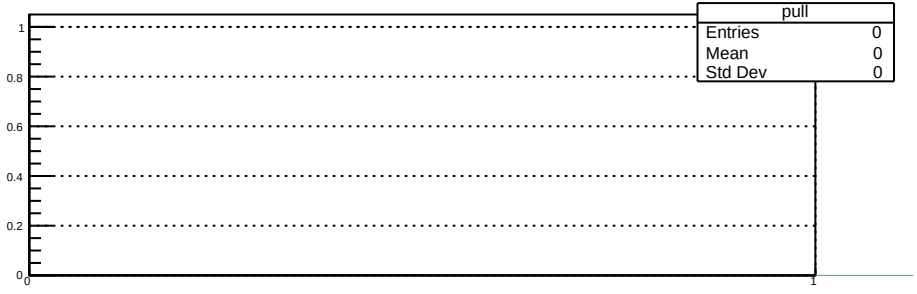

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

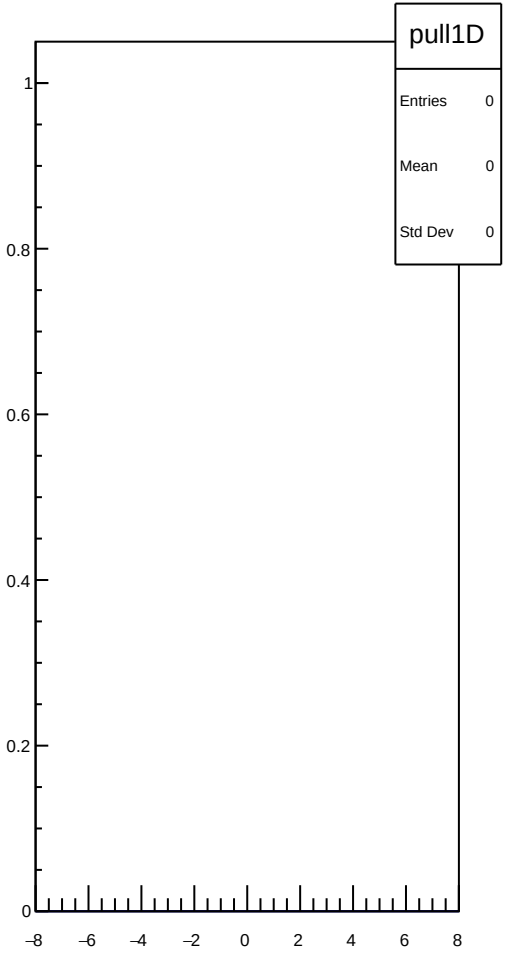

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

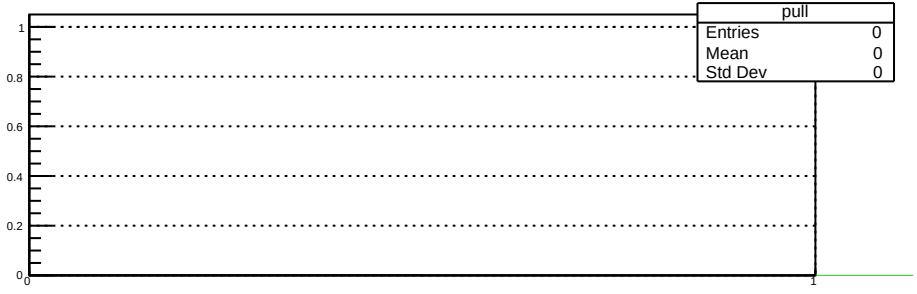

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 44.07 / 51
p0 −358 ± 166.4
pull
Entries 52
Mean 80.08
Std Dev 62.61

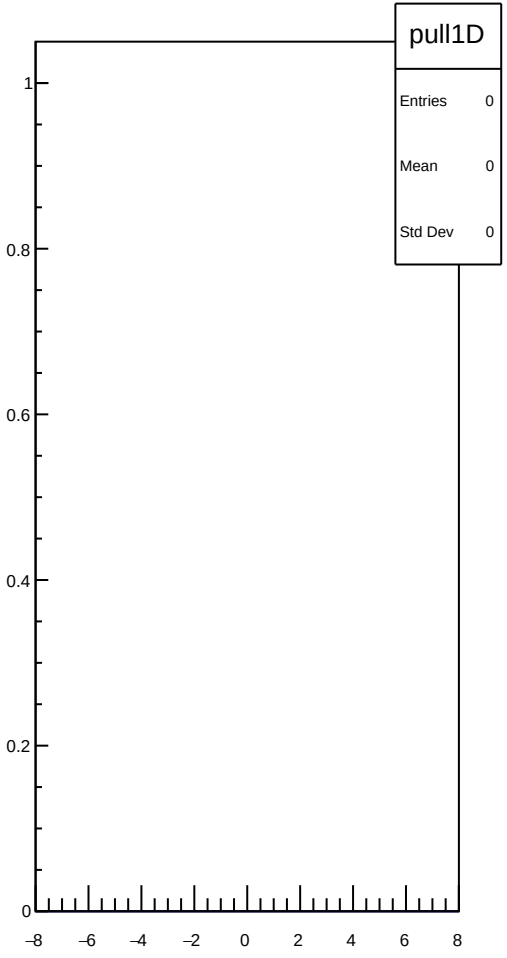

pull1D
Entries 52
Mean 0.01757
Std Dev 0.9205

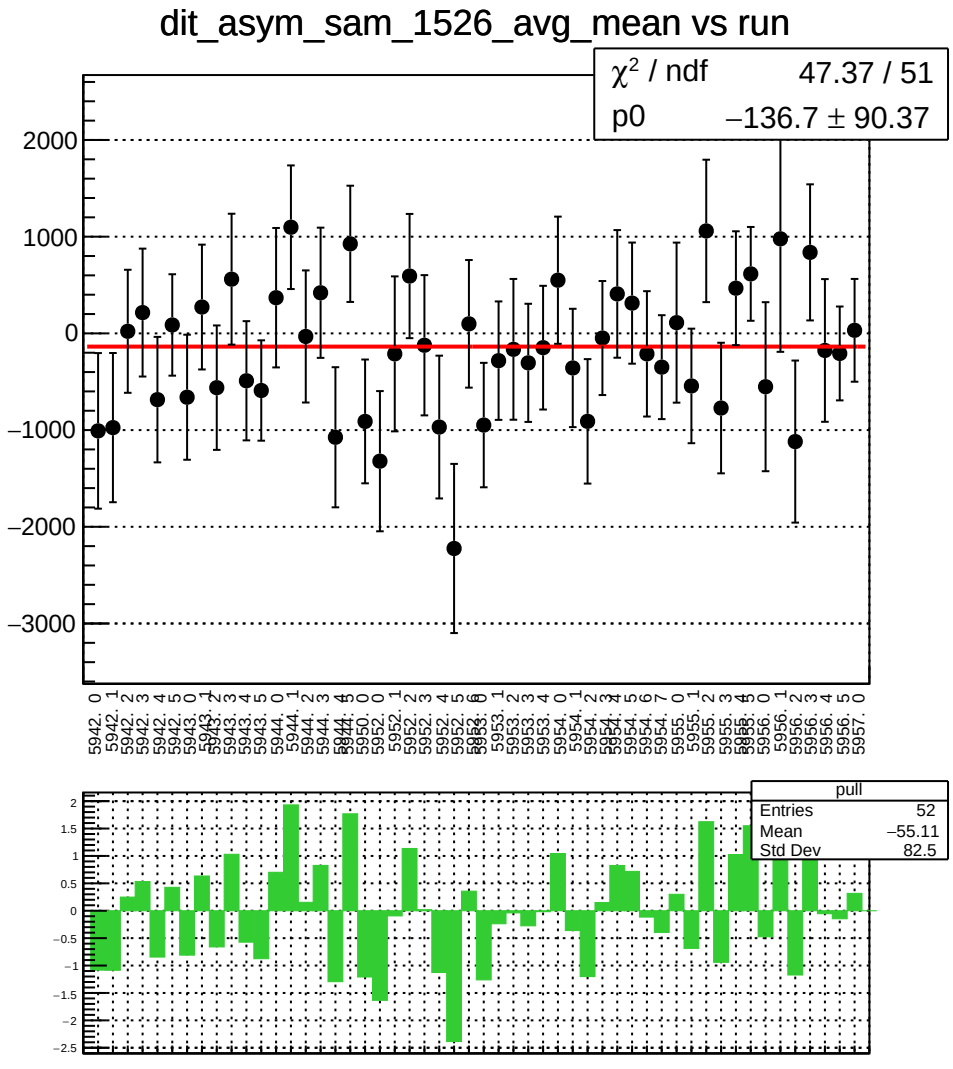

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.117e+04 / 51
p0 117.6 ± 0.1177
240
220
200
180
160
140
120
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

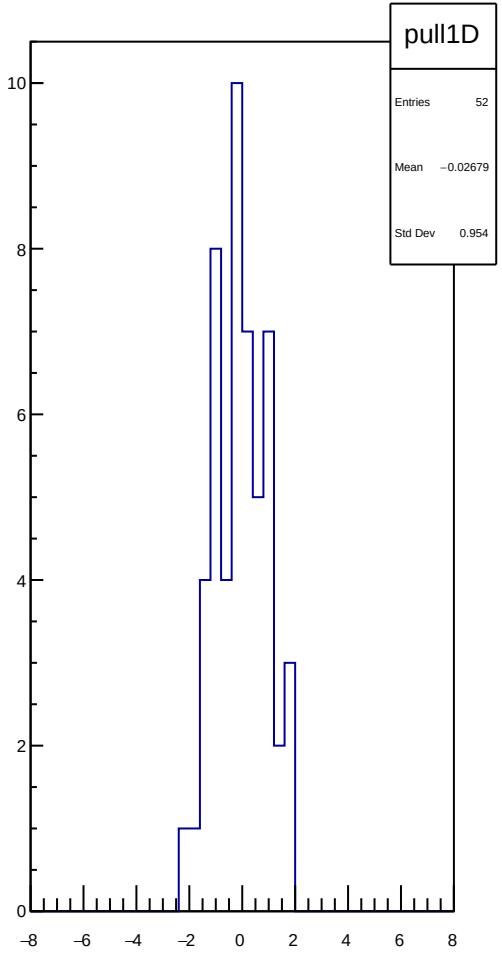

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

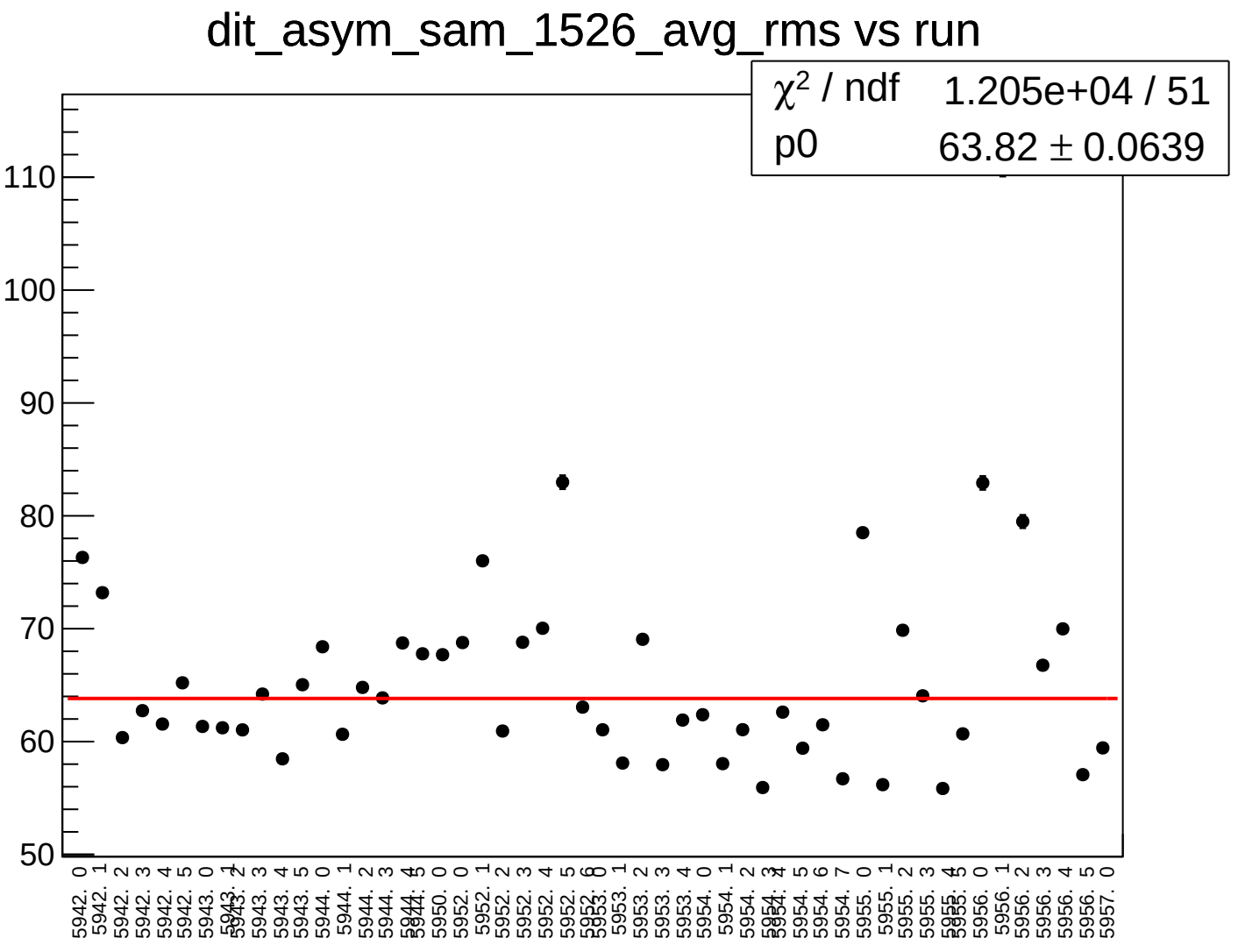

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

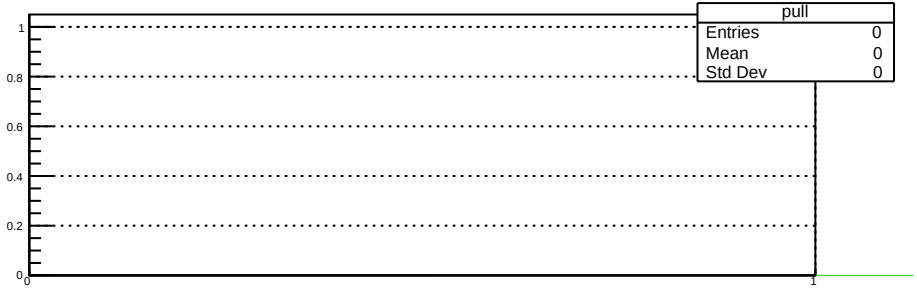

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

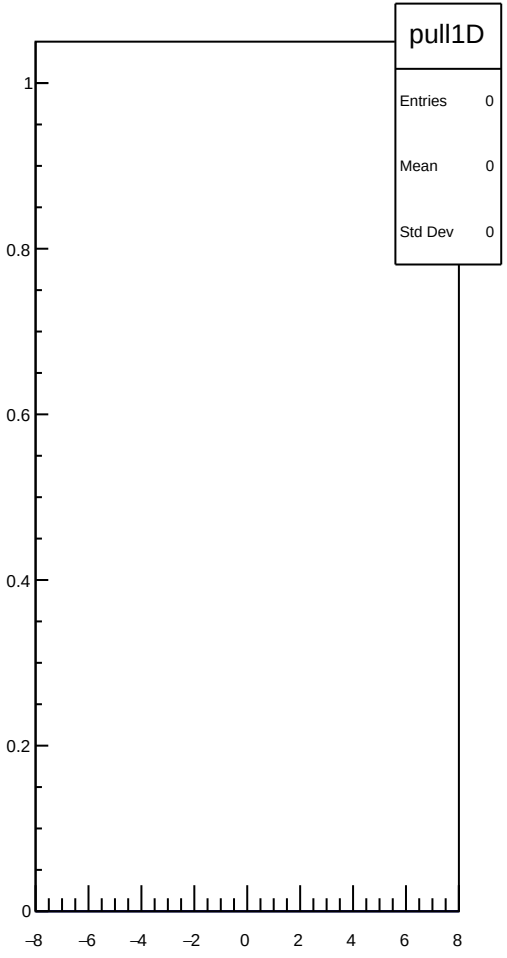

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

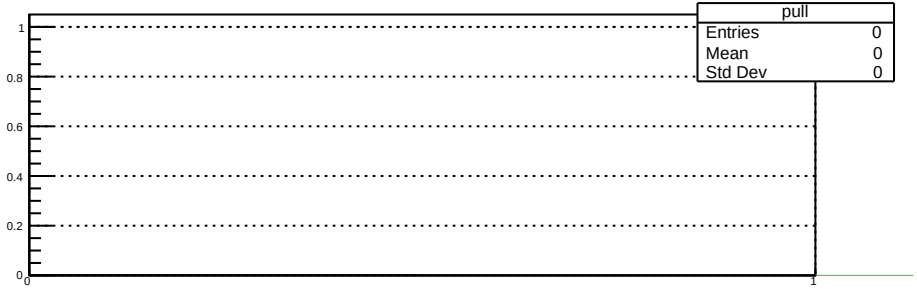

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 47.37 / 51
p0 −136.7 ± 90.37
pull
Entries 52
Mean −55.11
Std Dev 82.5

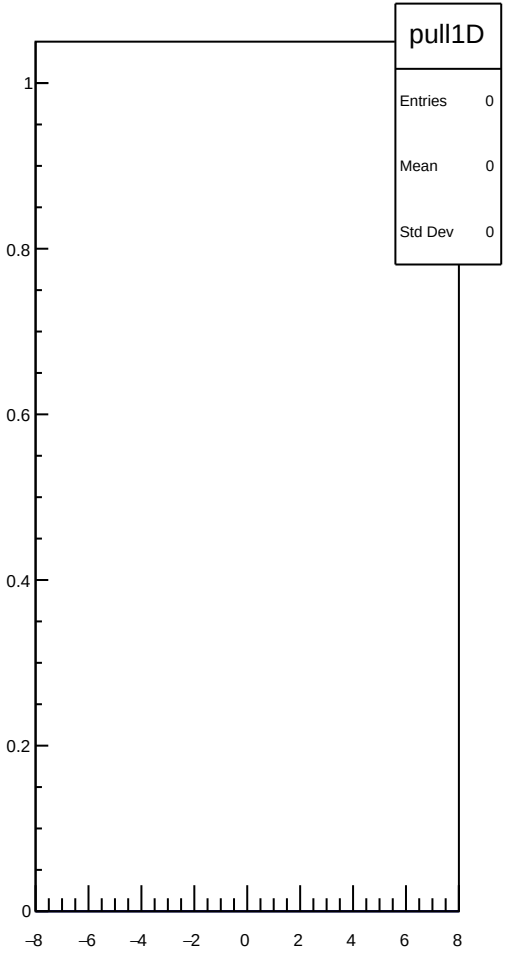

pull1D
Entries 52
Mean −0.02679
Std Dev 0.954

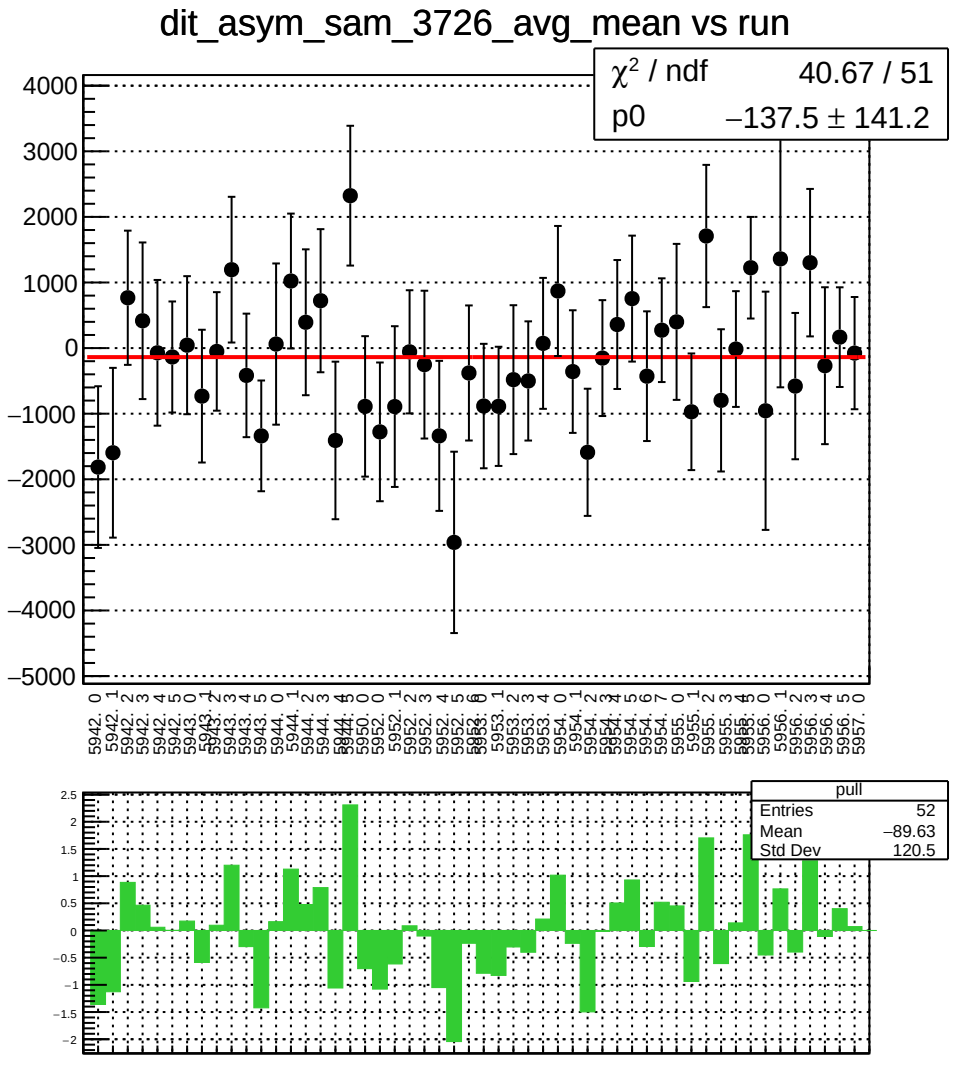

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.205e+04 / 51
p0 63.82 ± 0.0639
110
100
90
80
70
60
50
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

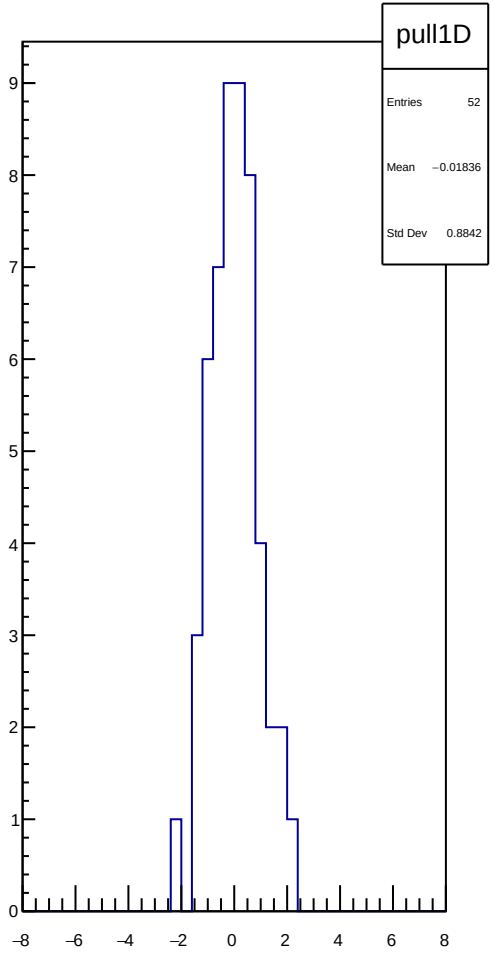

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

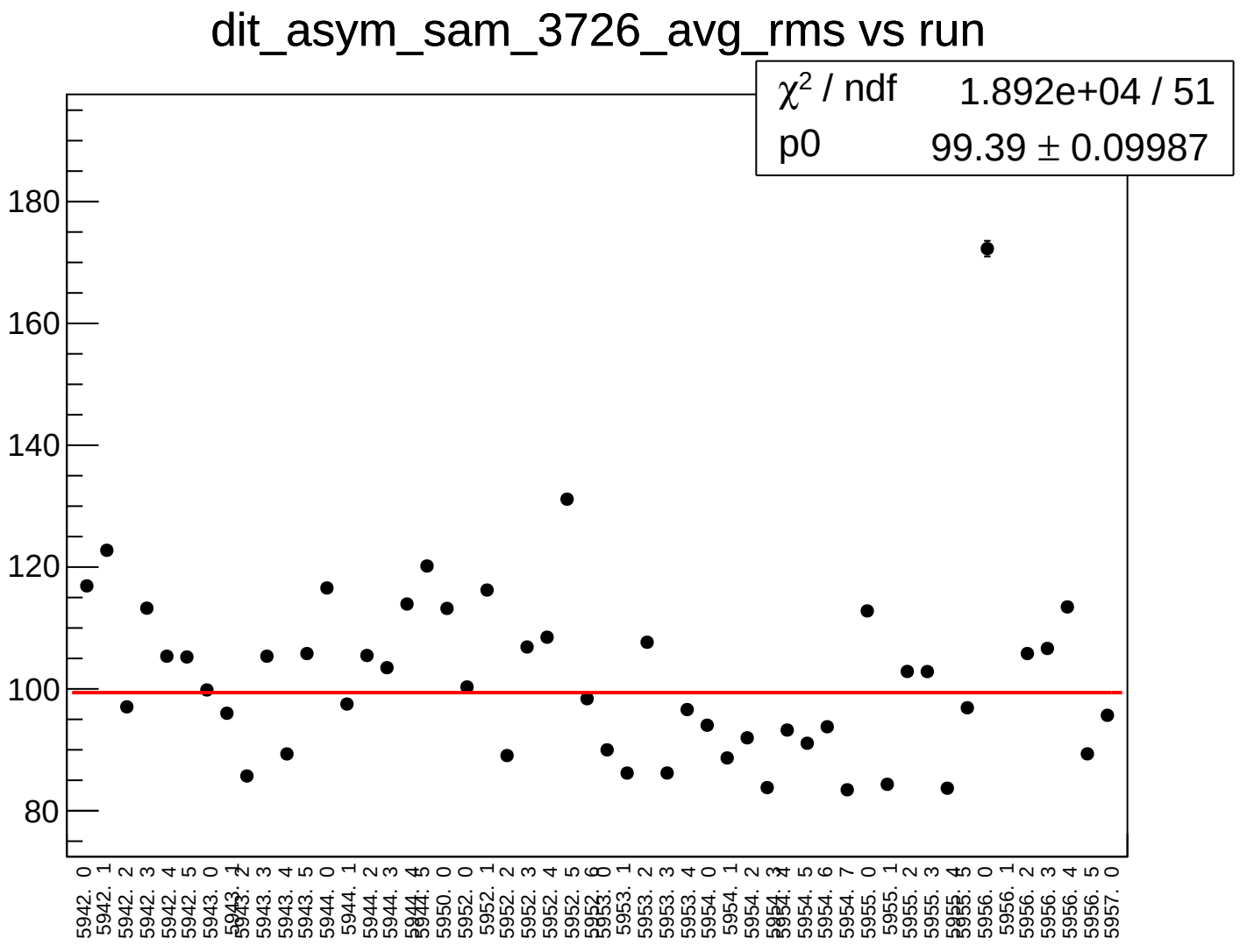

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

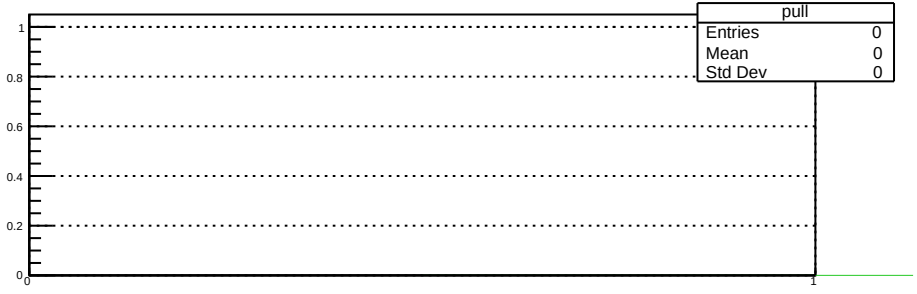

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

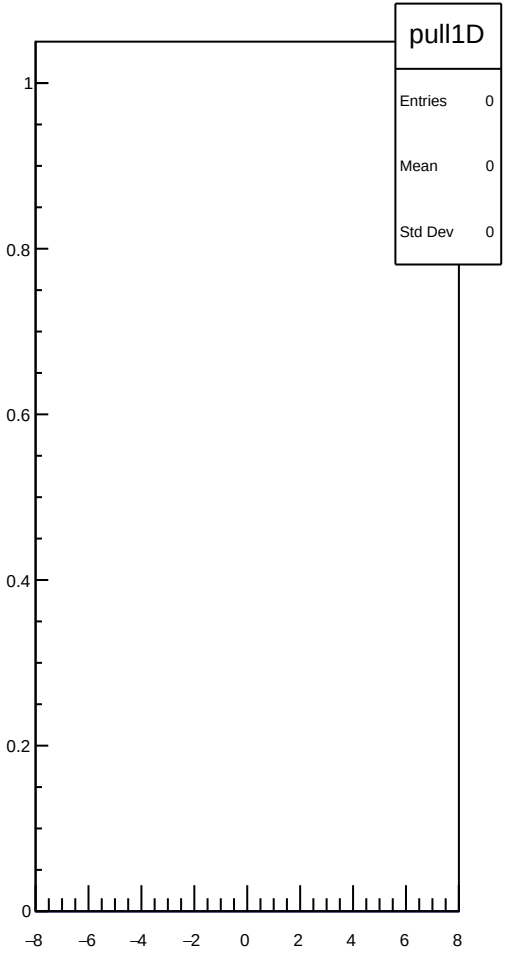

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

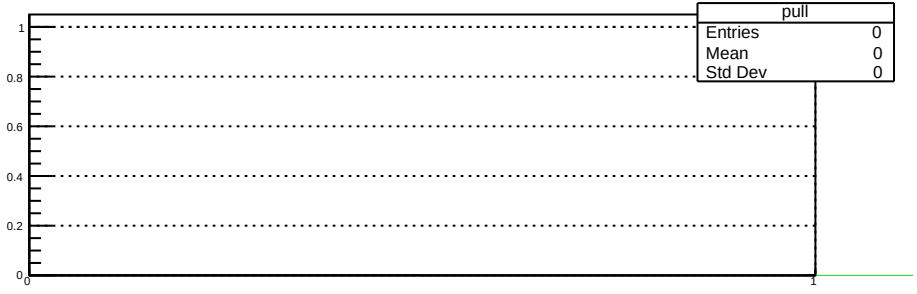

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 40.67 / 51
p0 −137.5 ± 141.2
pull
Entries 52
Mean −89.63
Std Dev 120.5

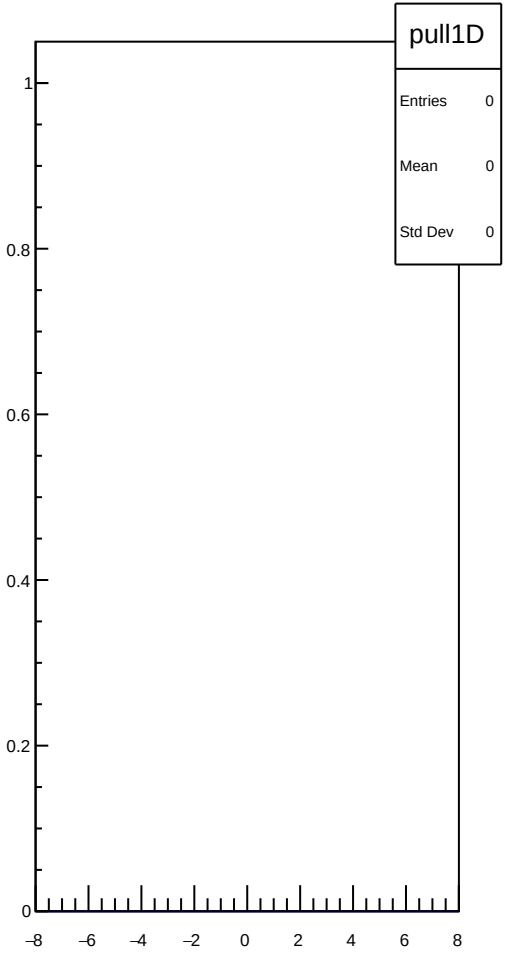

pull1D
Entries 52
Mean −0.01836
Std Dev 0.8842

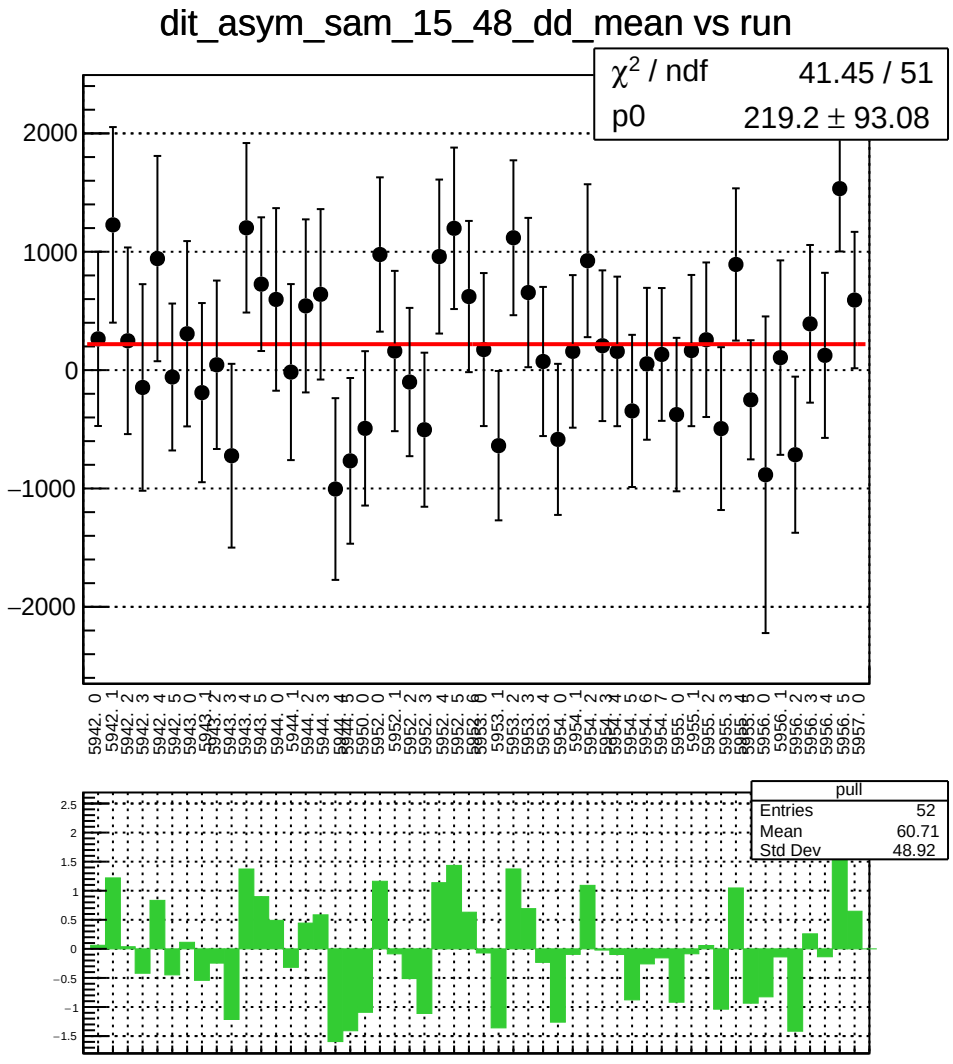

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.892e+04 / 51
p0 99.39 ± 0.09987
180
160
140
120
100
80
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

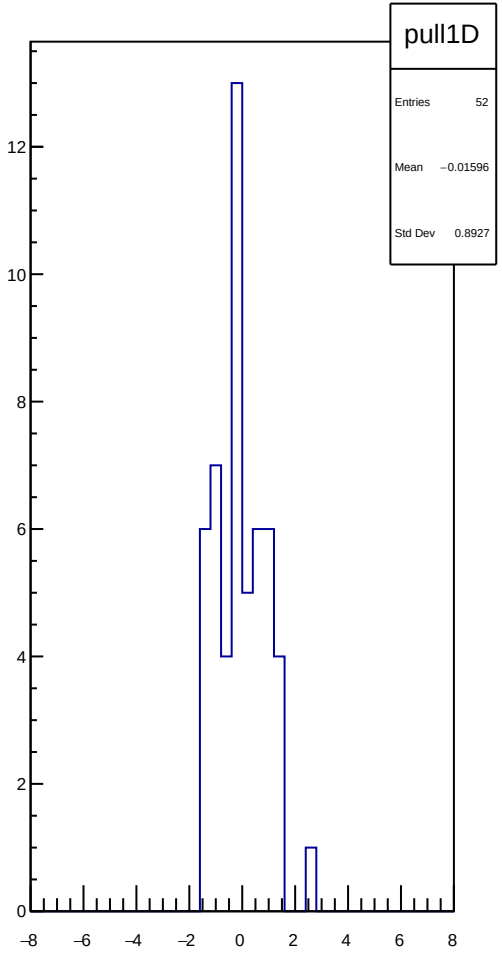

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

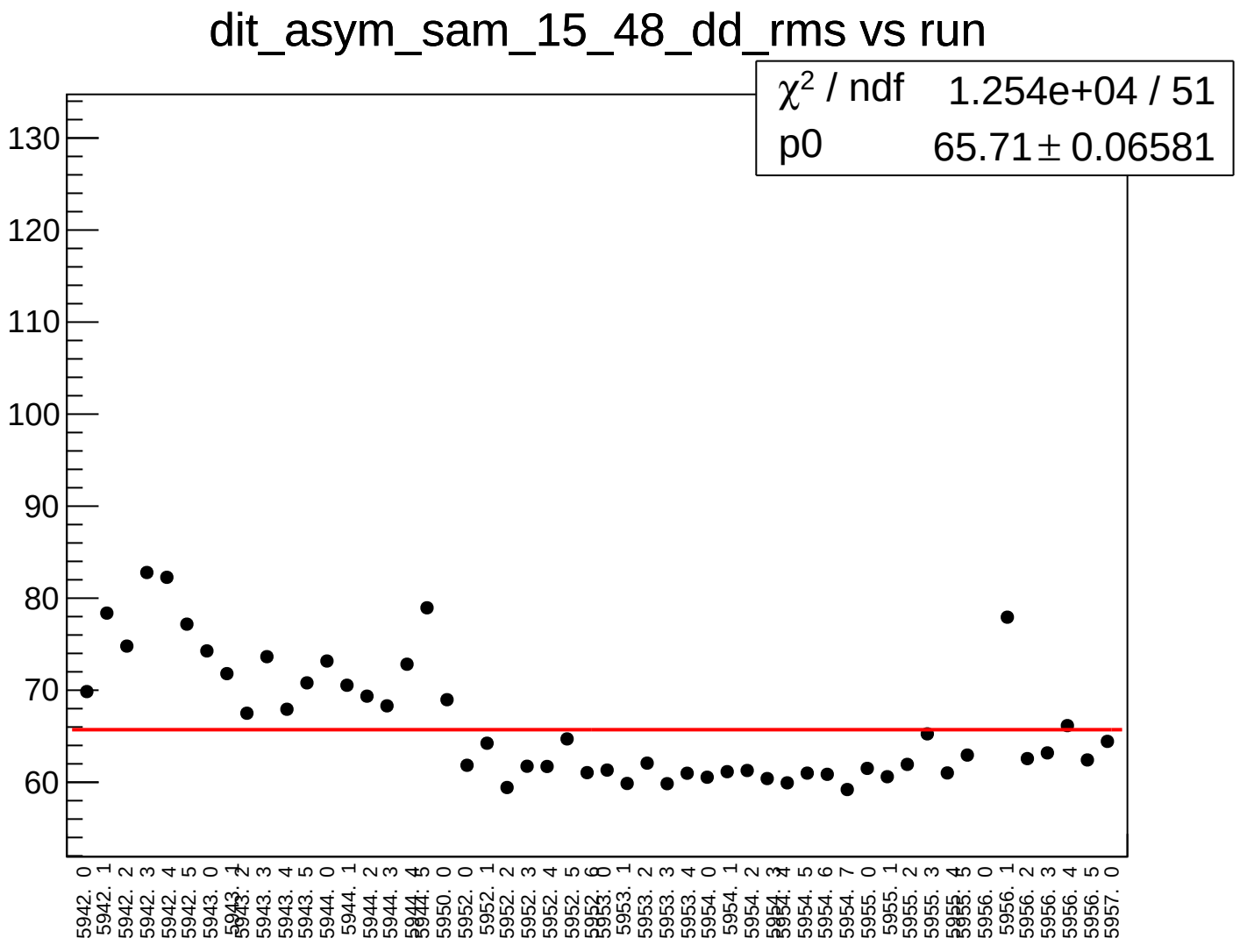

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

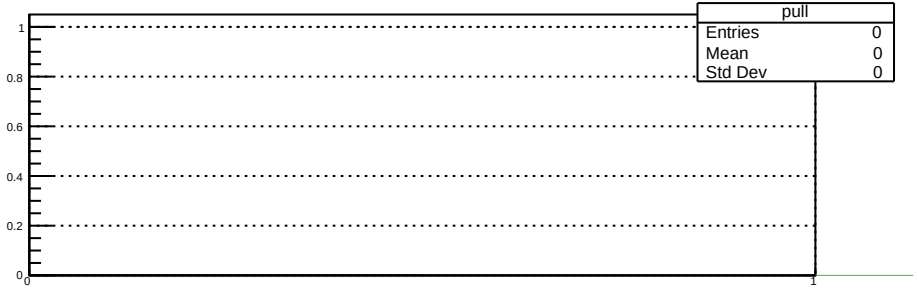

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

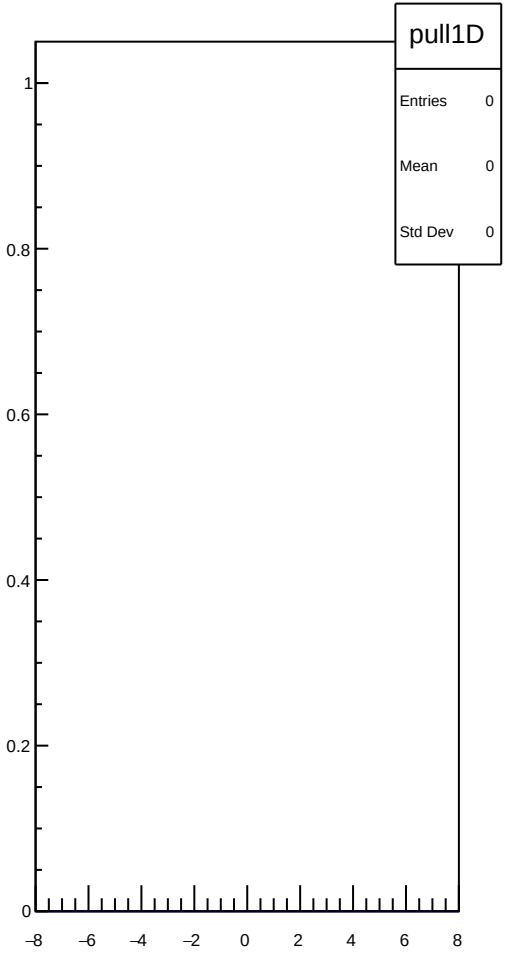

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

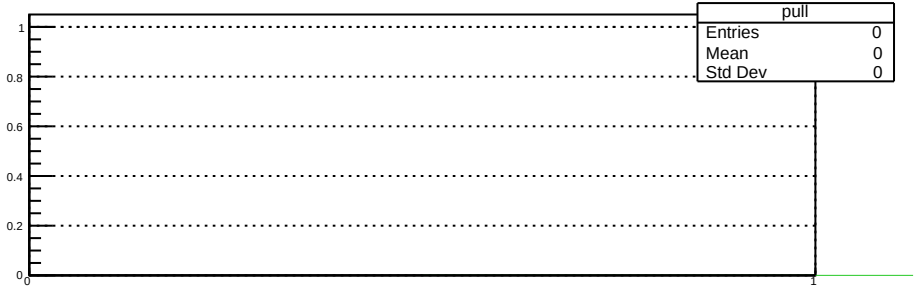

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 41.45 / 51
p0 219.2 ± 93.08
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 60.71
Std Dev 48.92
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

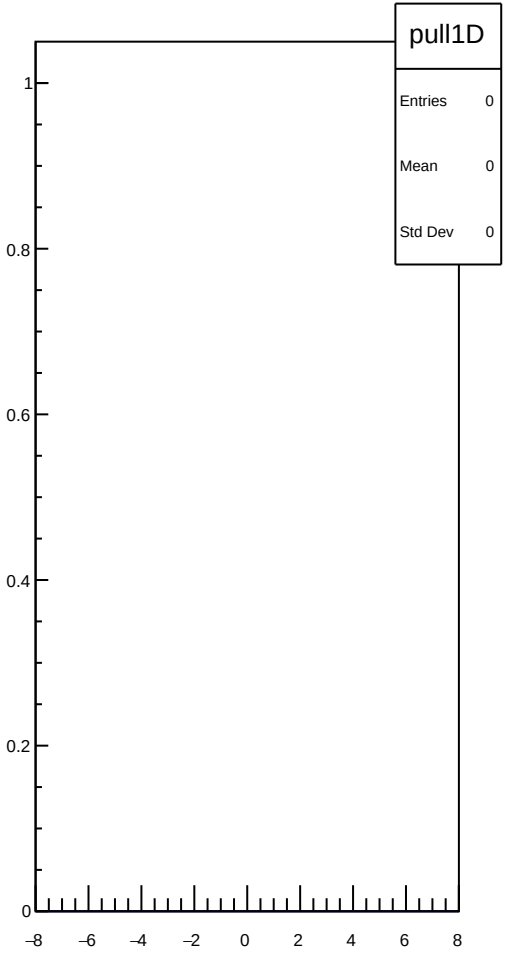

pull1D
Entries 52
Mean −0.01596
Std Dev 0.8927
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

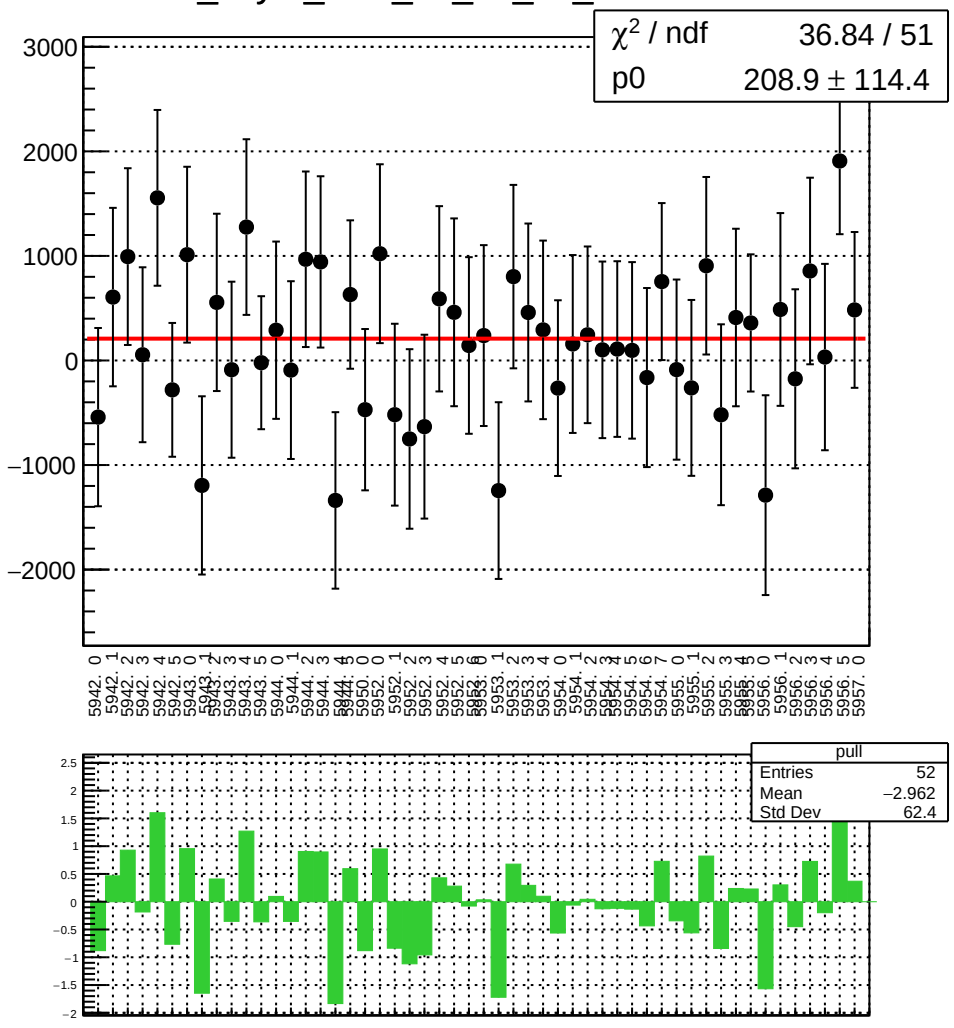

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.254e+04 / 51
p0 65.71 ± 0.06581
130
120
110
100
90
80
70
60
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

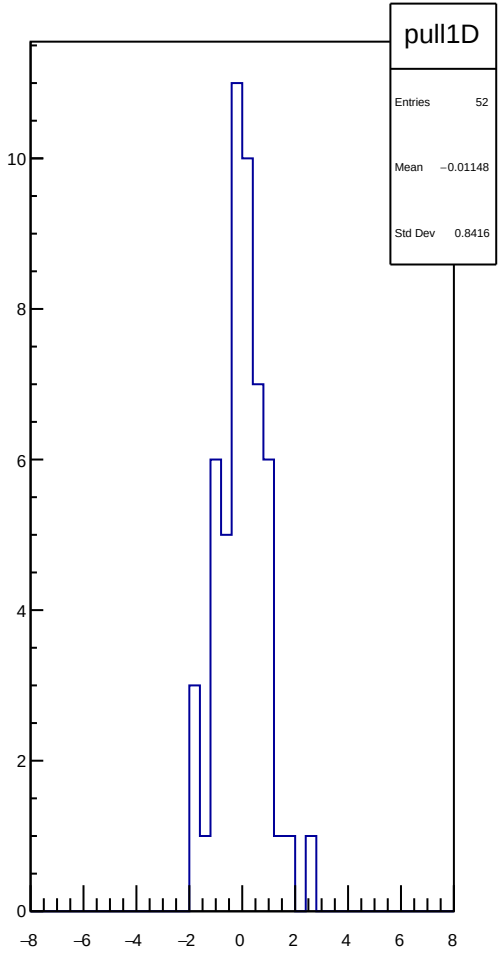

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

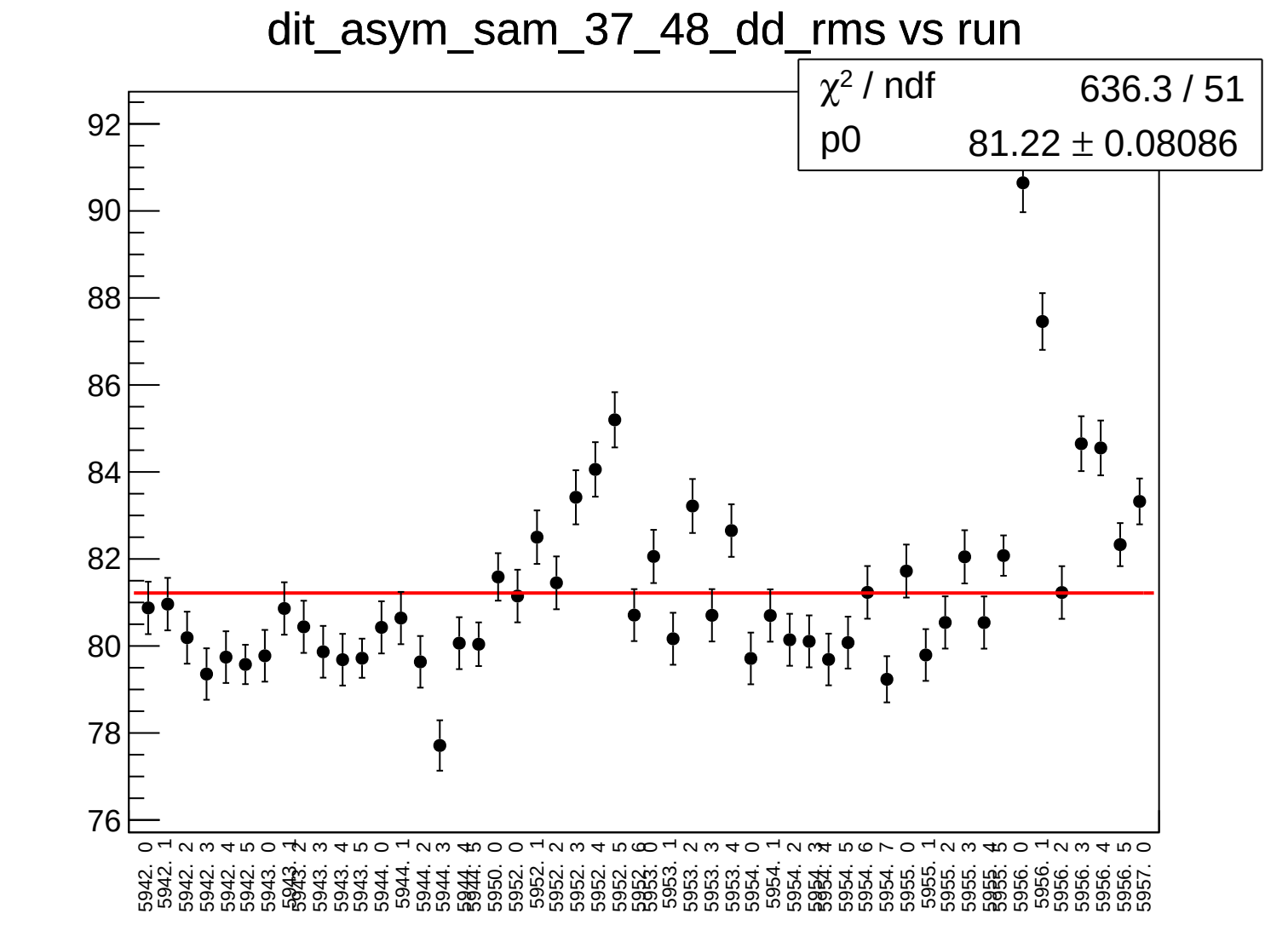

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


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 36.84 / 51
p0 208.9 ± 114.4
pull
Entries 52
Mean −2.962
Std Dev 62.4


pull1D
Entries 52
Mean −0.01148
Std Dev 0.8416


dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 636.3 / 51
p0 81.22 ± 0.08086
92
90
88
86
84
82
80
78
76
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
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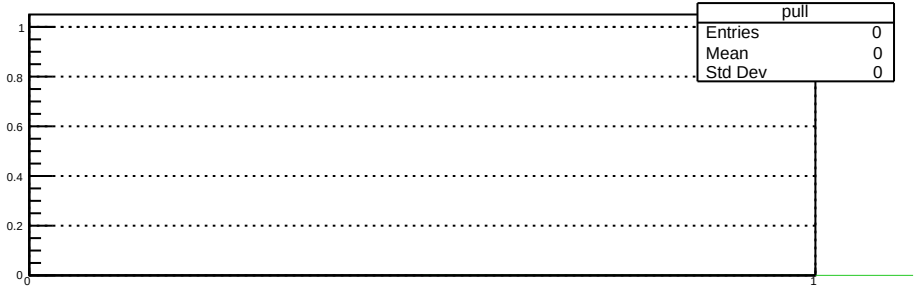
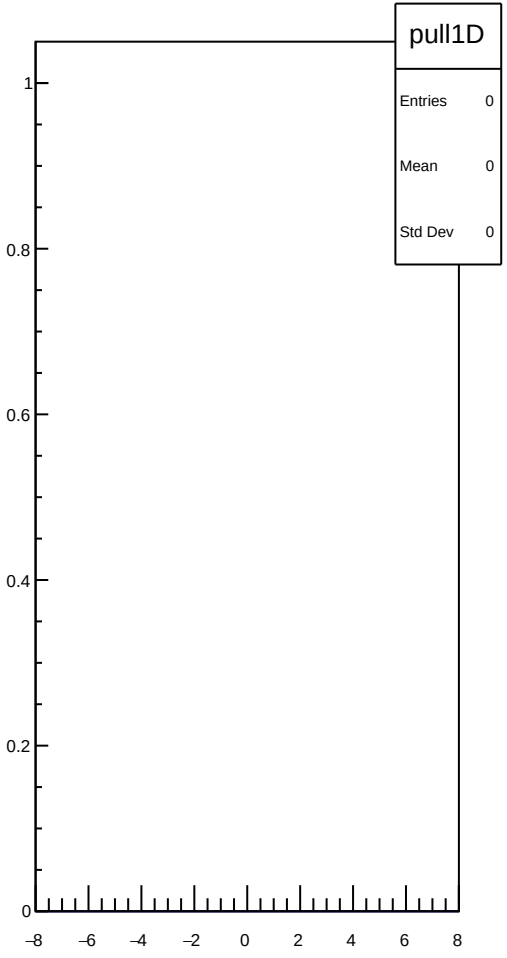
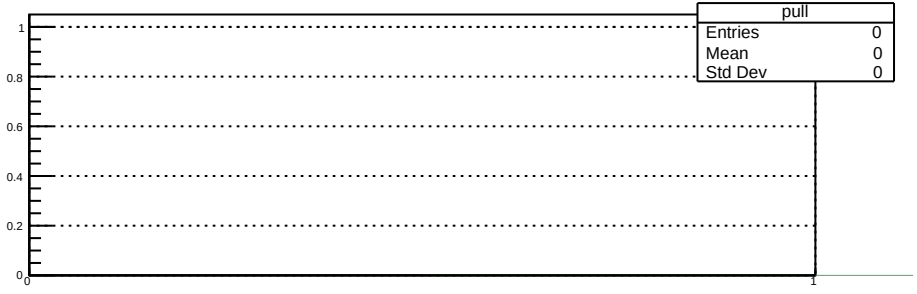
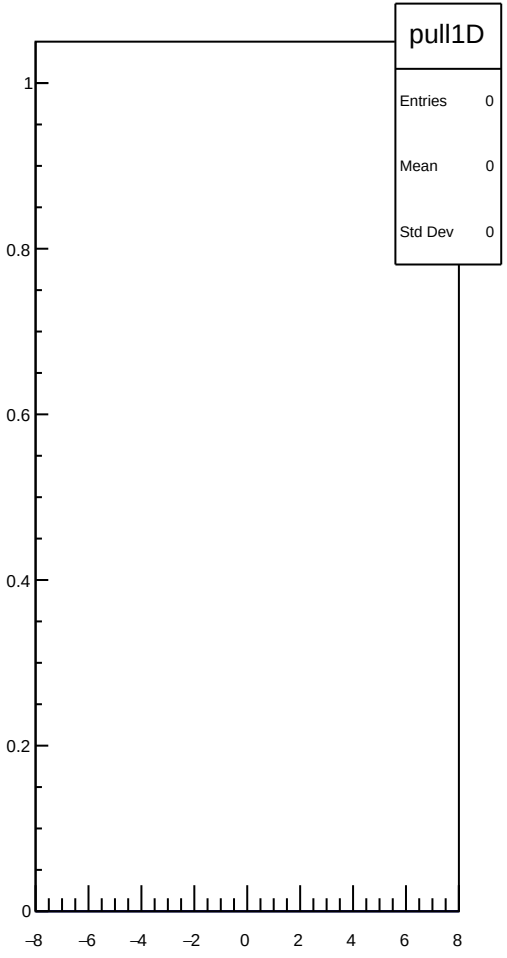
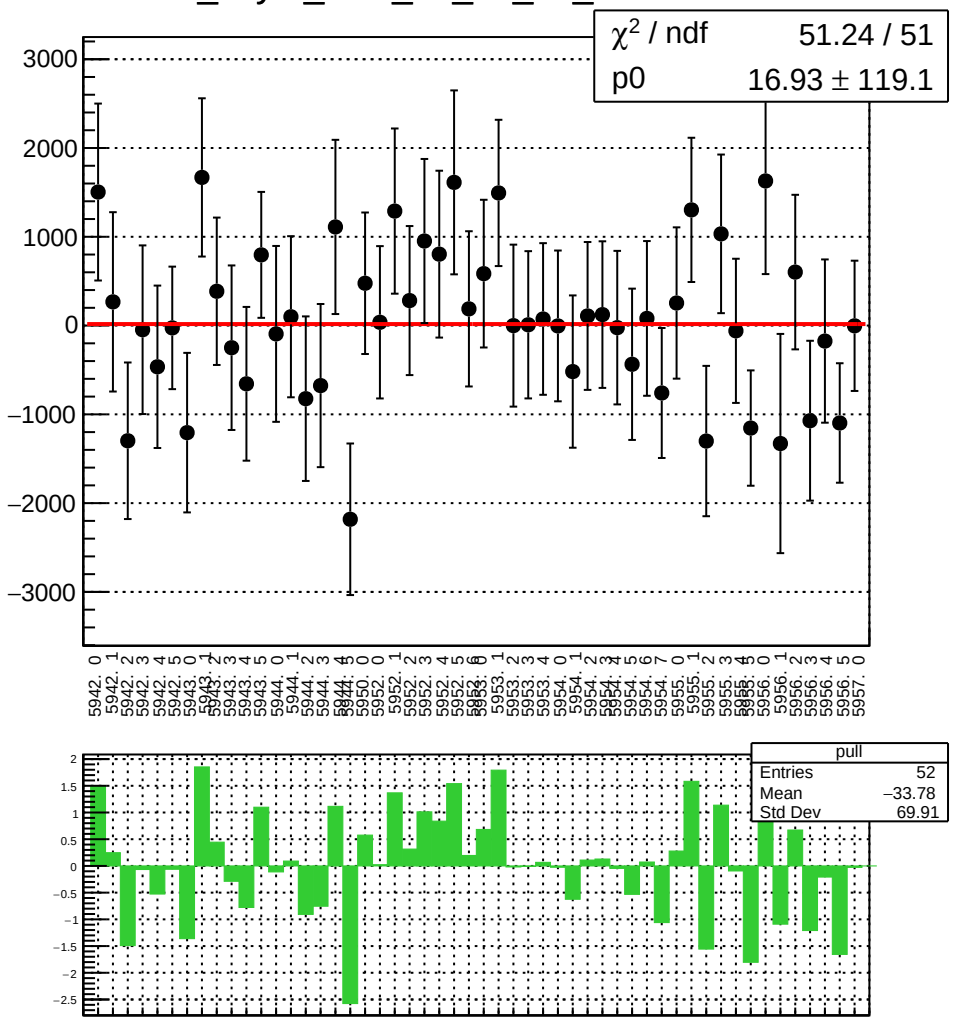
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

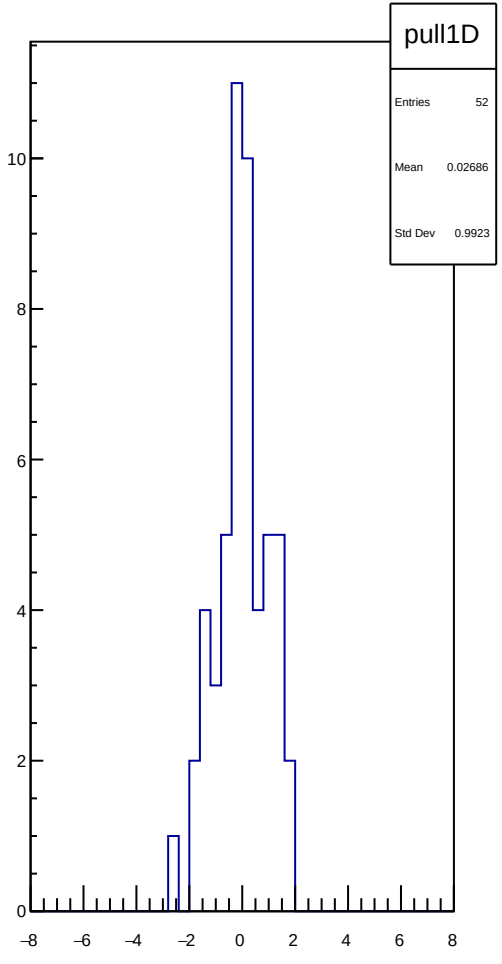

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

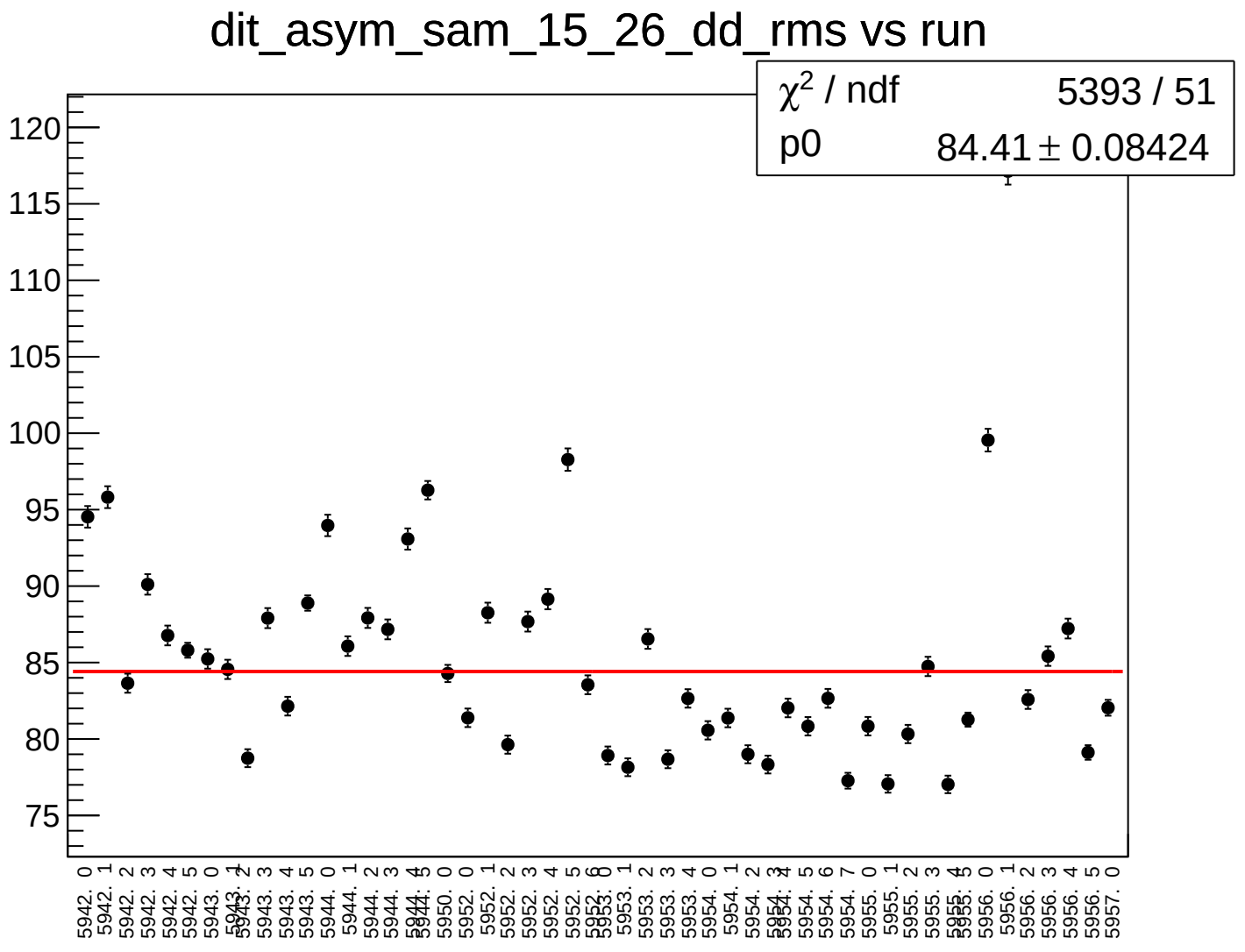

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

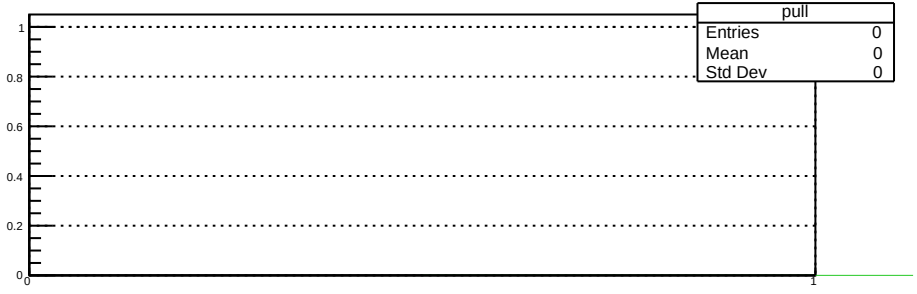

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

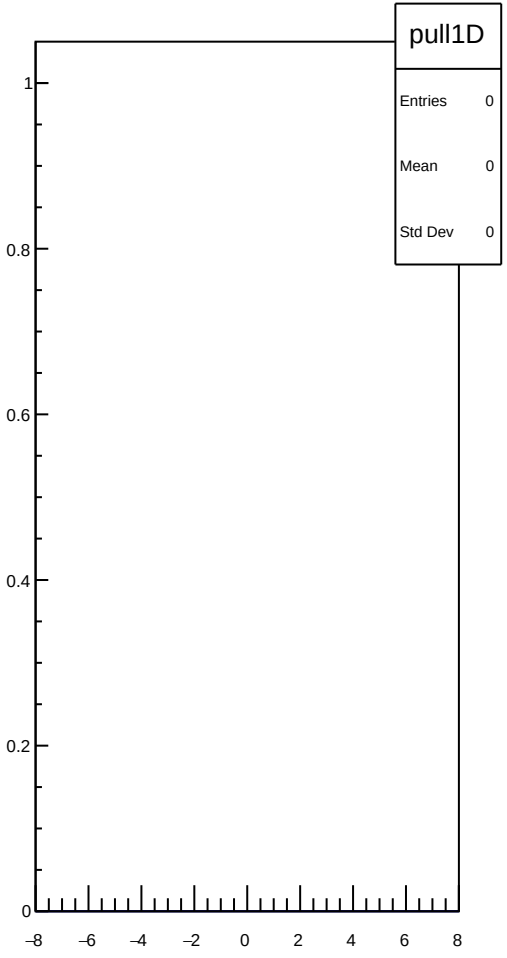

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

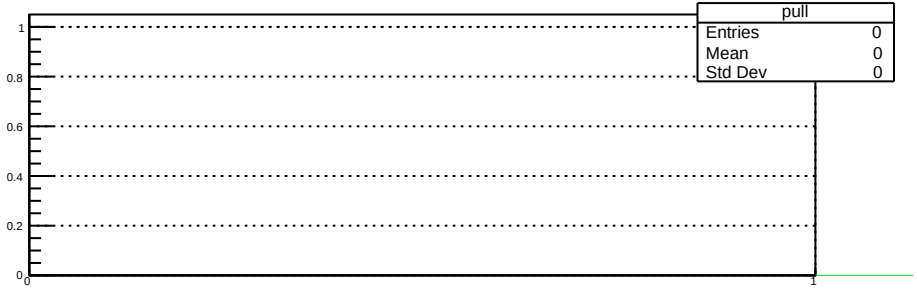

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 51.24 / 51
p0 16.93 ± 119.1
pull
Entries 52
Mean −33.78
Std Dev 69.91

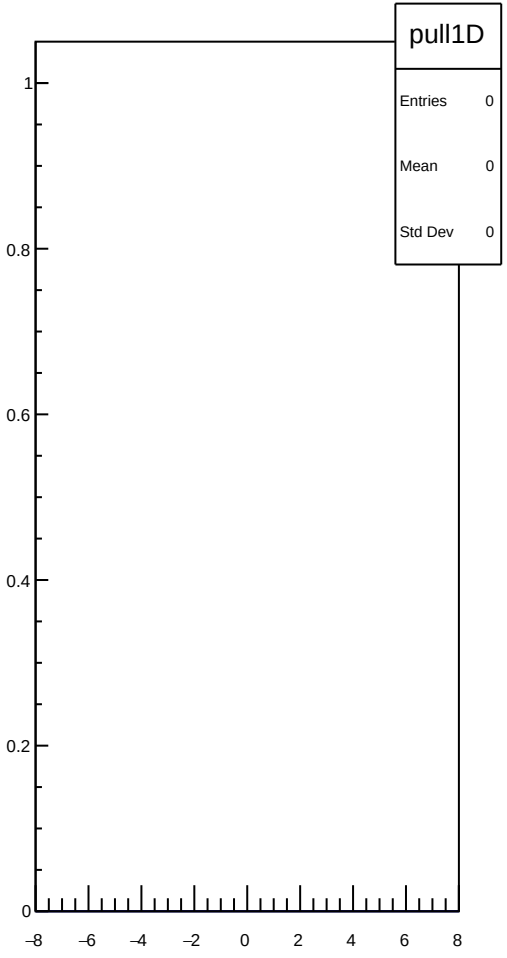

pull1D
Entries 52
Mean 0.02686
Std Dev 0.9923

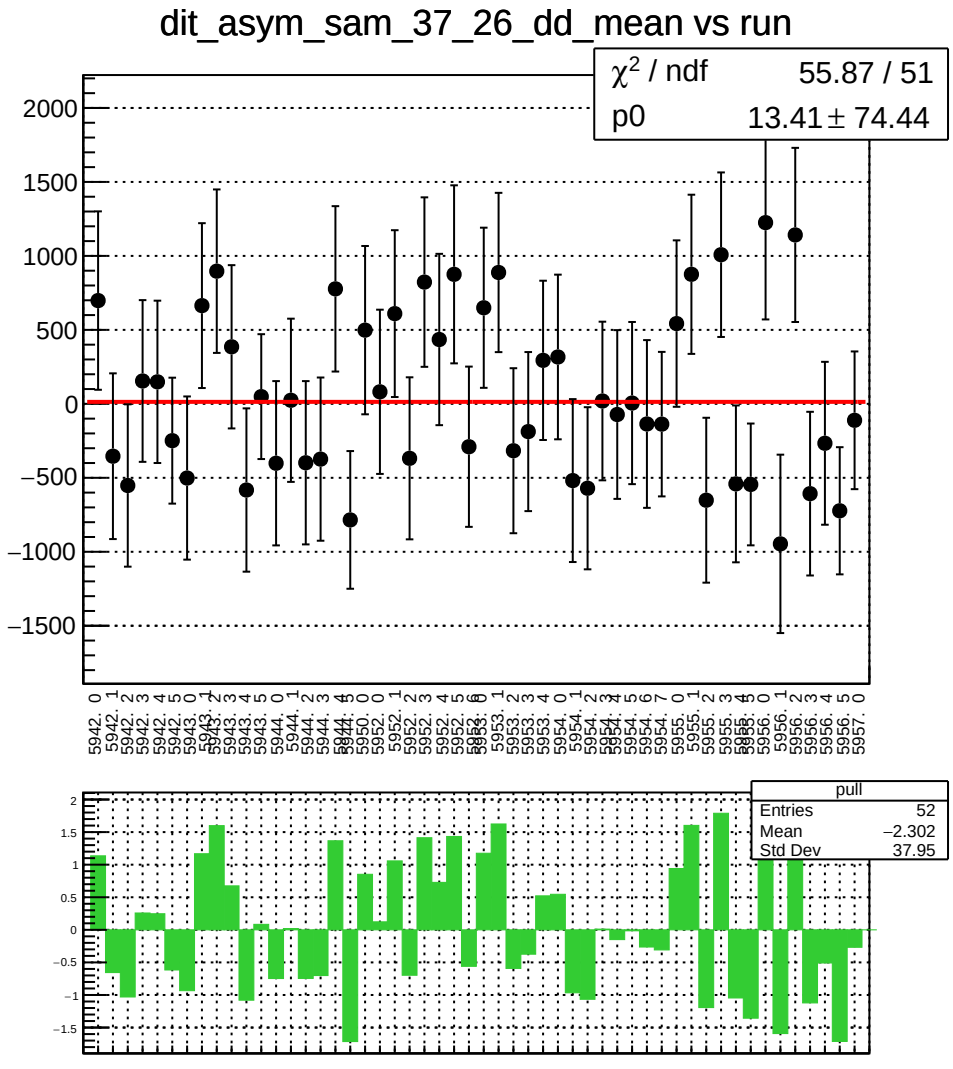

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5393 / 51
p0 84.41 ± 0.08424
120
115
110
105
100
95
90
85
80
75
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

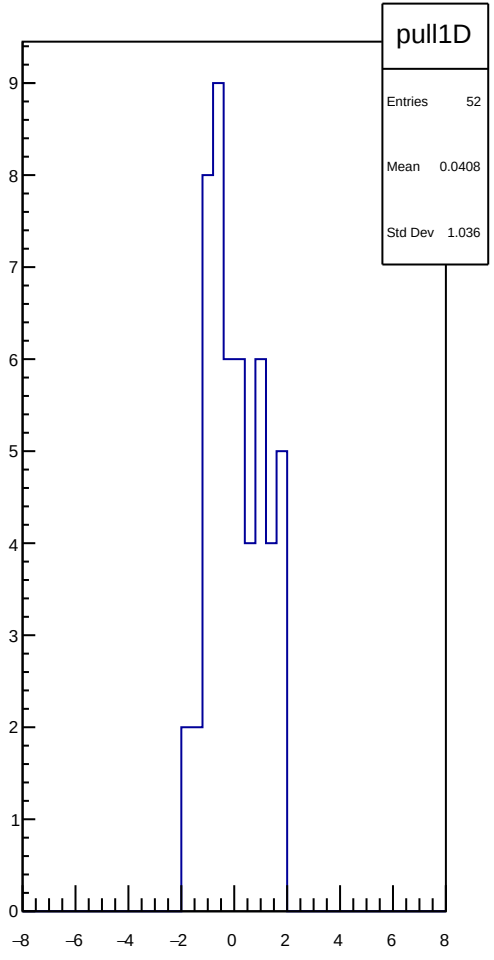

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

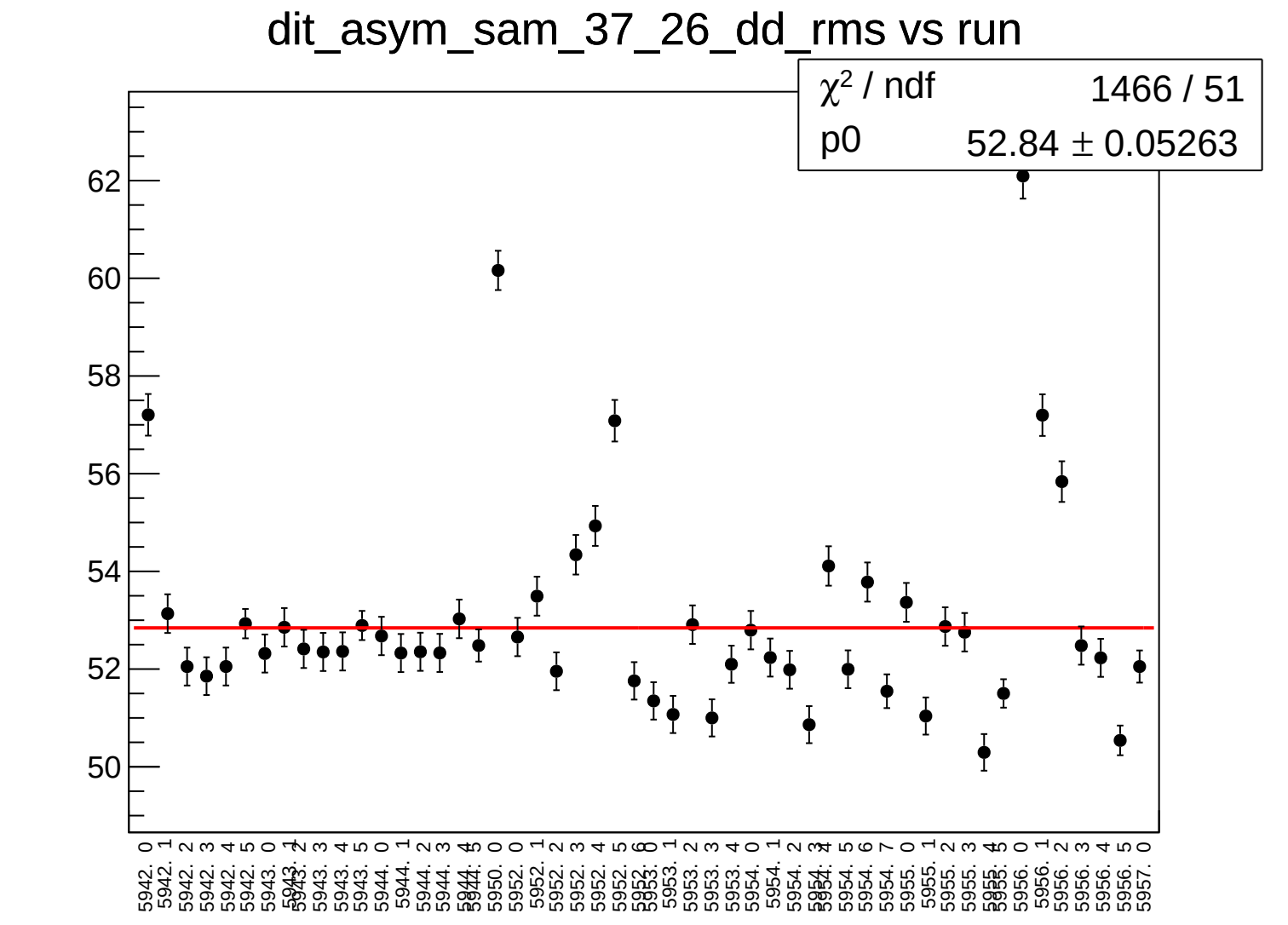

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

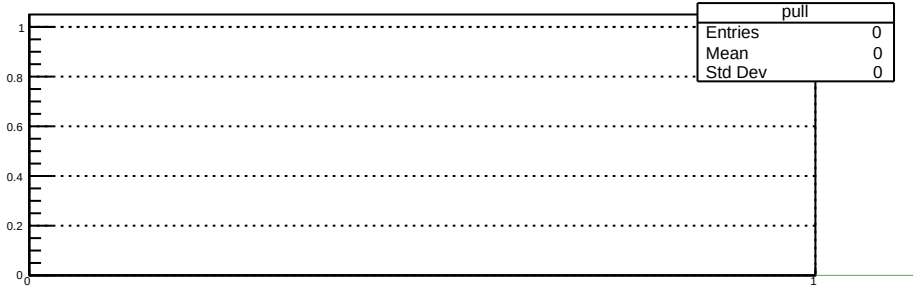

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

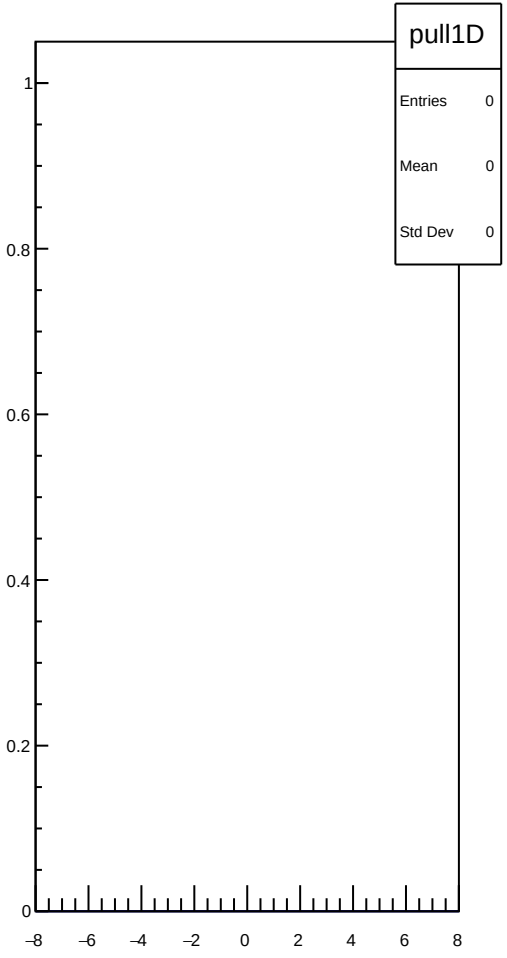

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

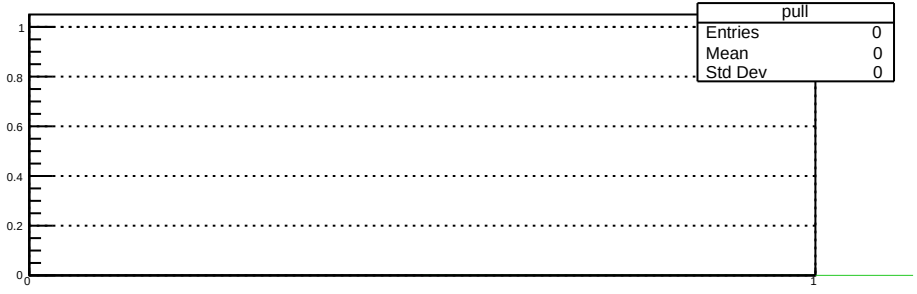

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.87 / 51
p0 13.41 ± 74.44
pull
Entries 52
Mean −2.302
Std Dev 37.95

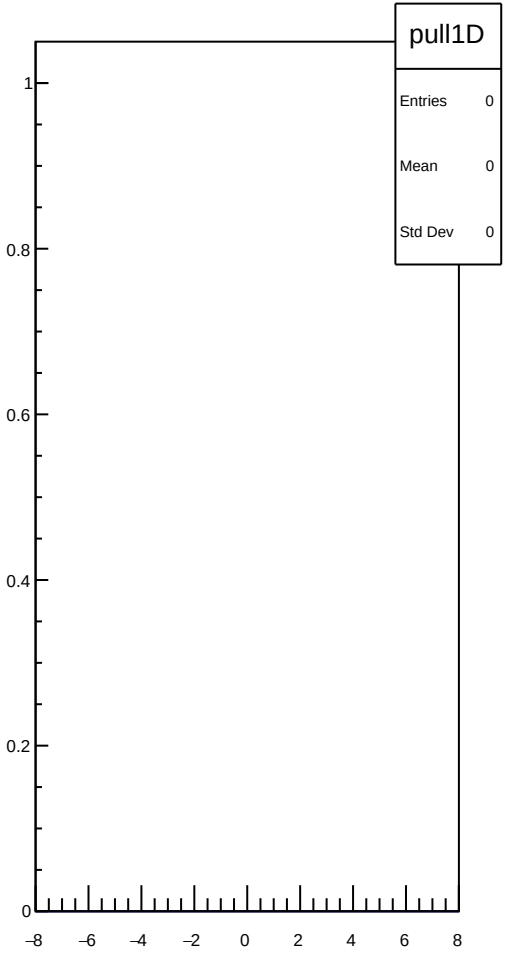

pull1D
Entries 52
Mean 0.0408
Std Dev 1.036

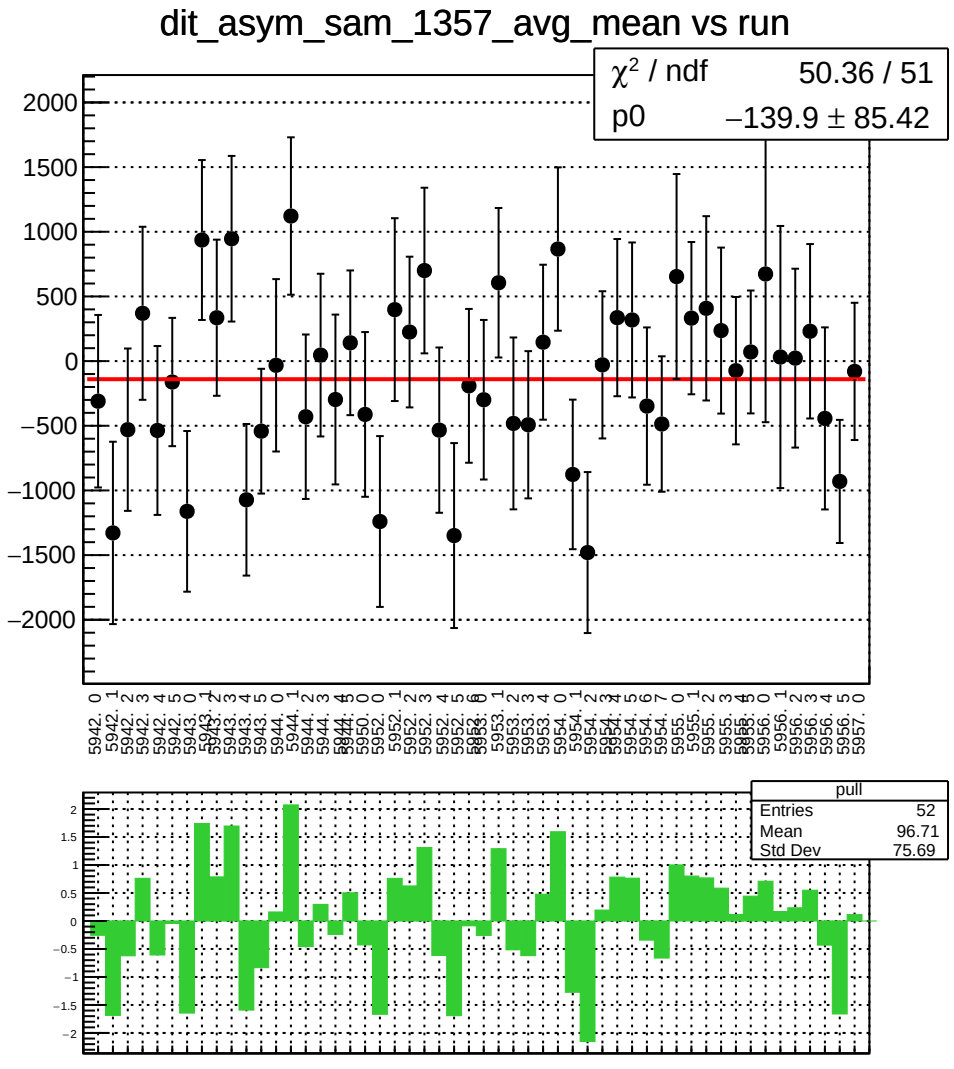

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1466 / 51
p0 52.84 ± 0.05263
62
60
58
56
54
52
50
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

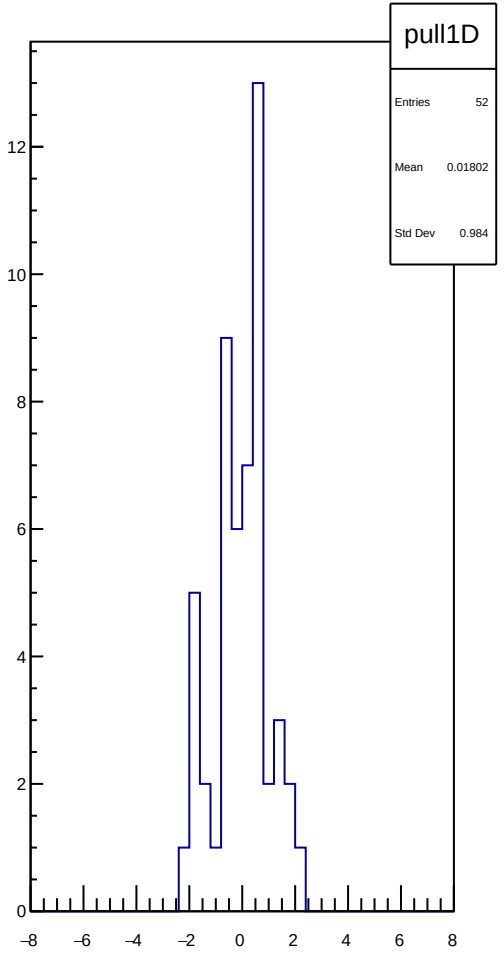

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

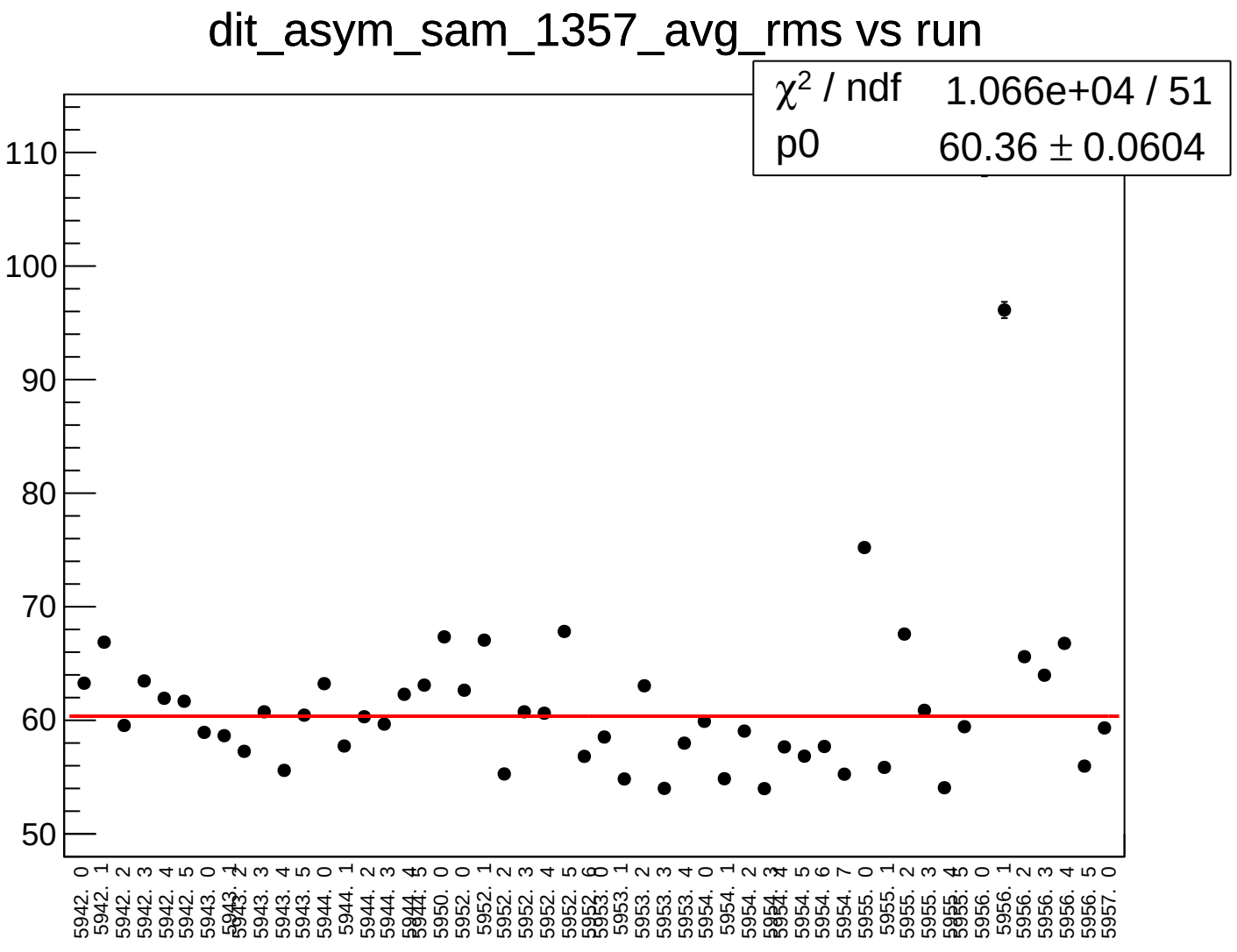

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

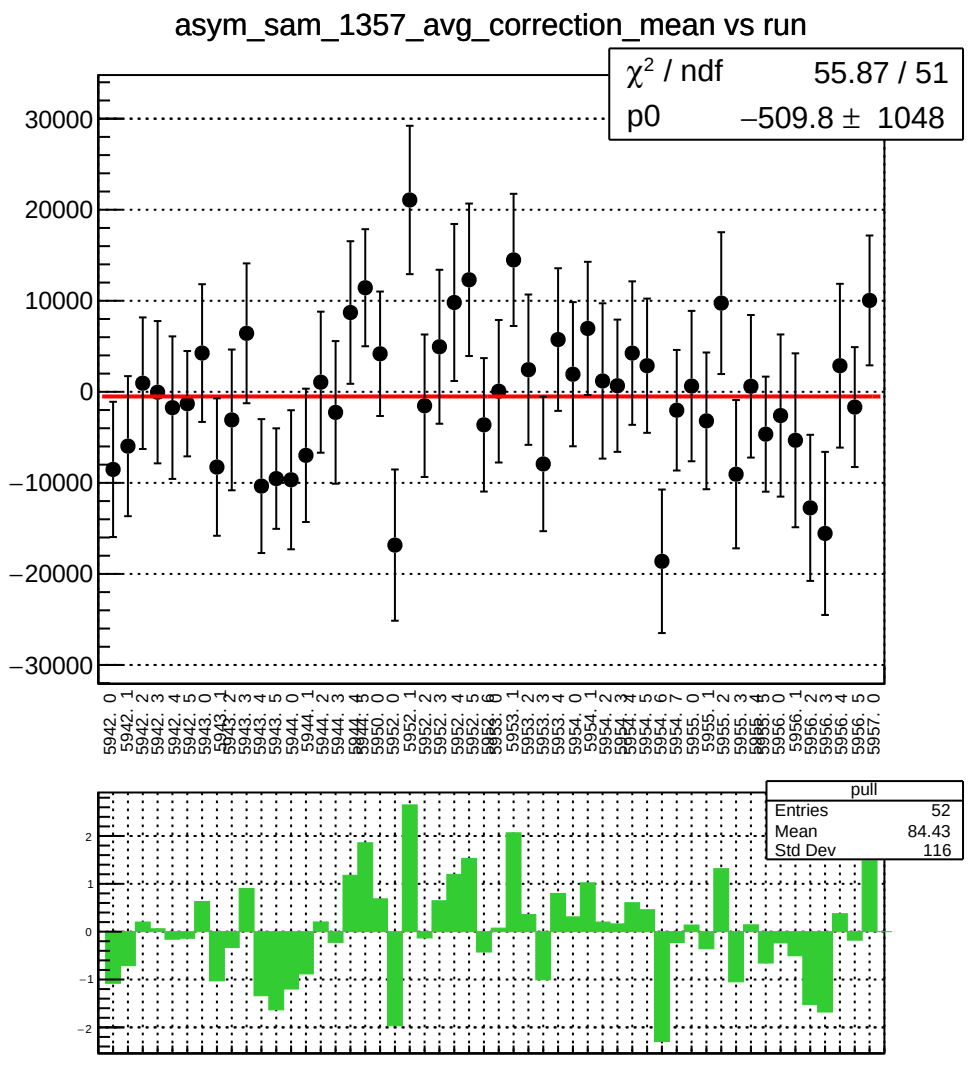

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

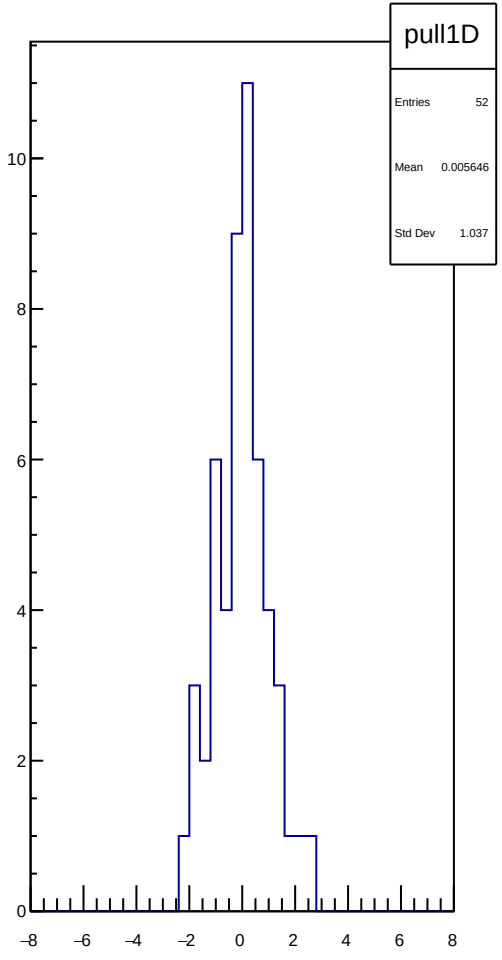

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

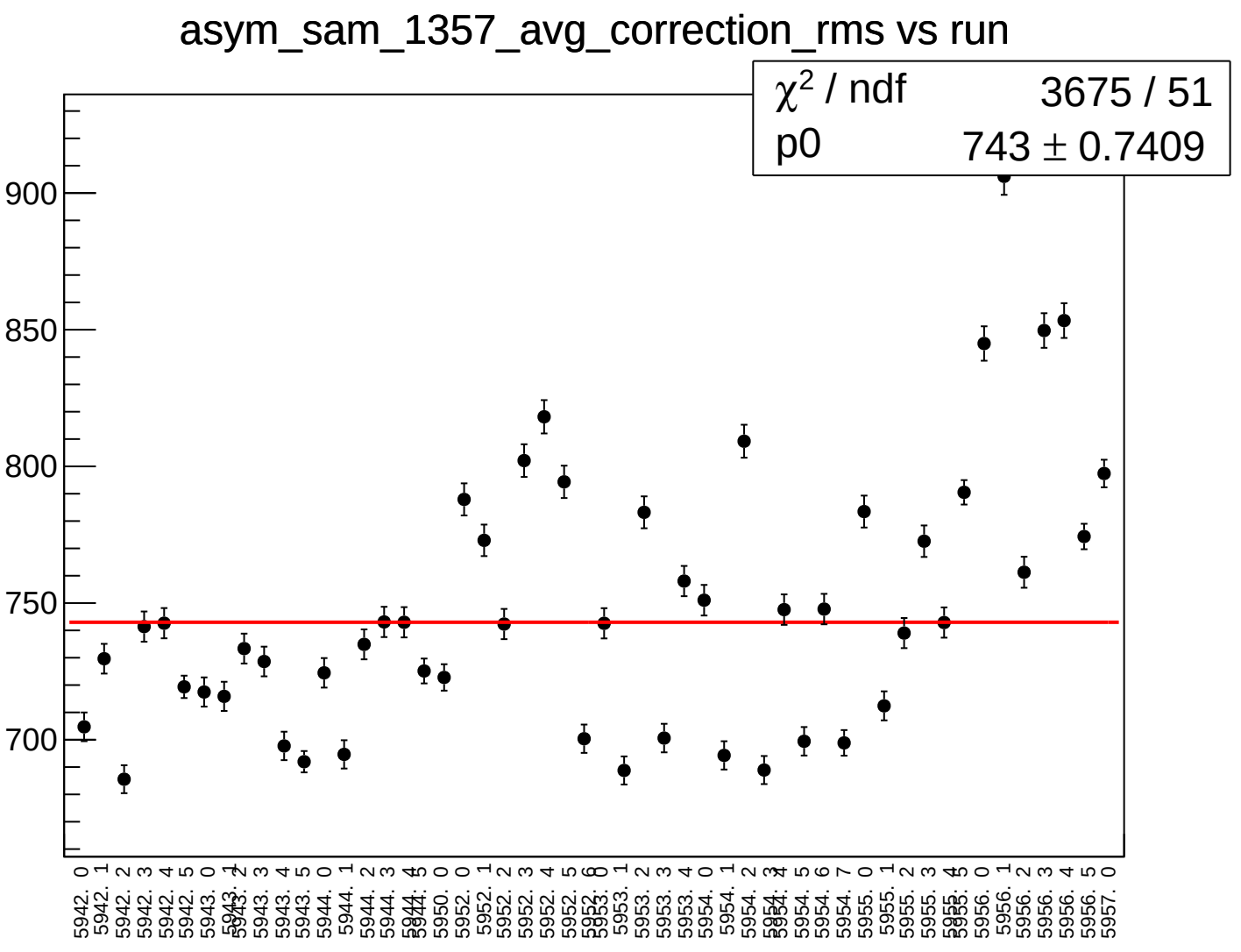

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 50.36 / 51
p0 −139.9 ± 85.42
pull
Entries 52
Mean 96.71
Std Dev 75.69

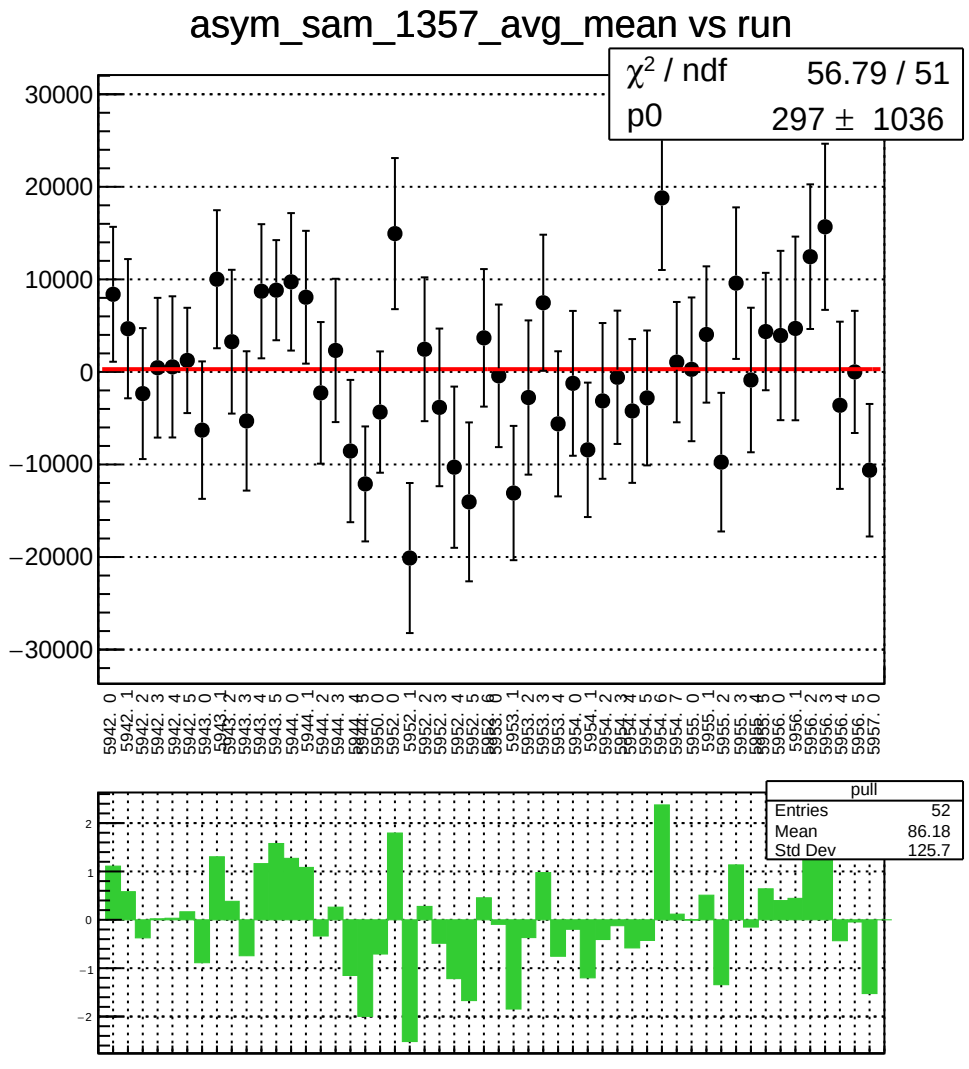

pull1D
Entries 52
Mean 0.01802
Std Dev 0.984

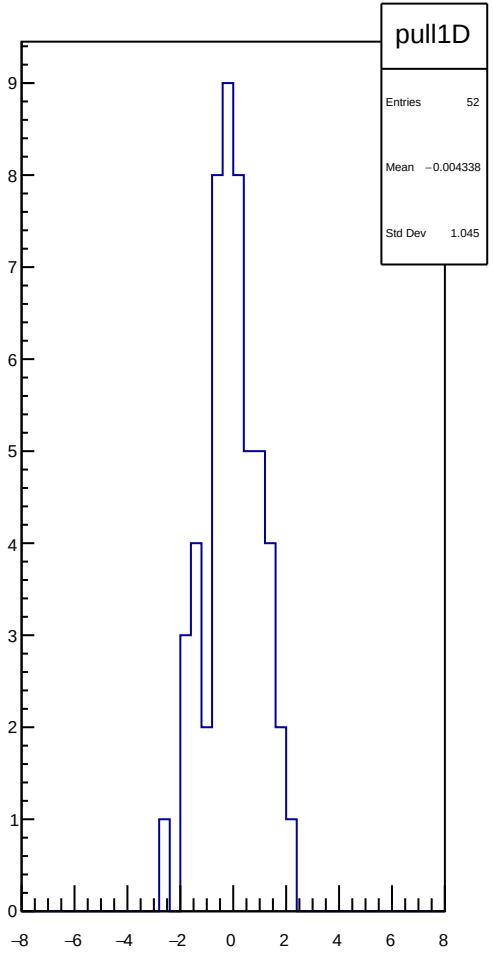

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.066e+04 / 51
p0 60.36 ± 0.0604
110
100
90
80
70
60
50
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

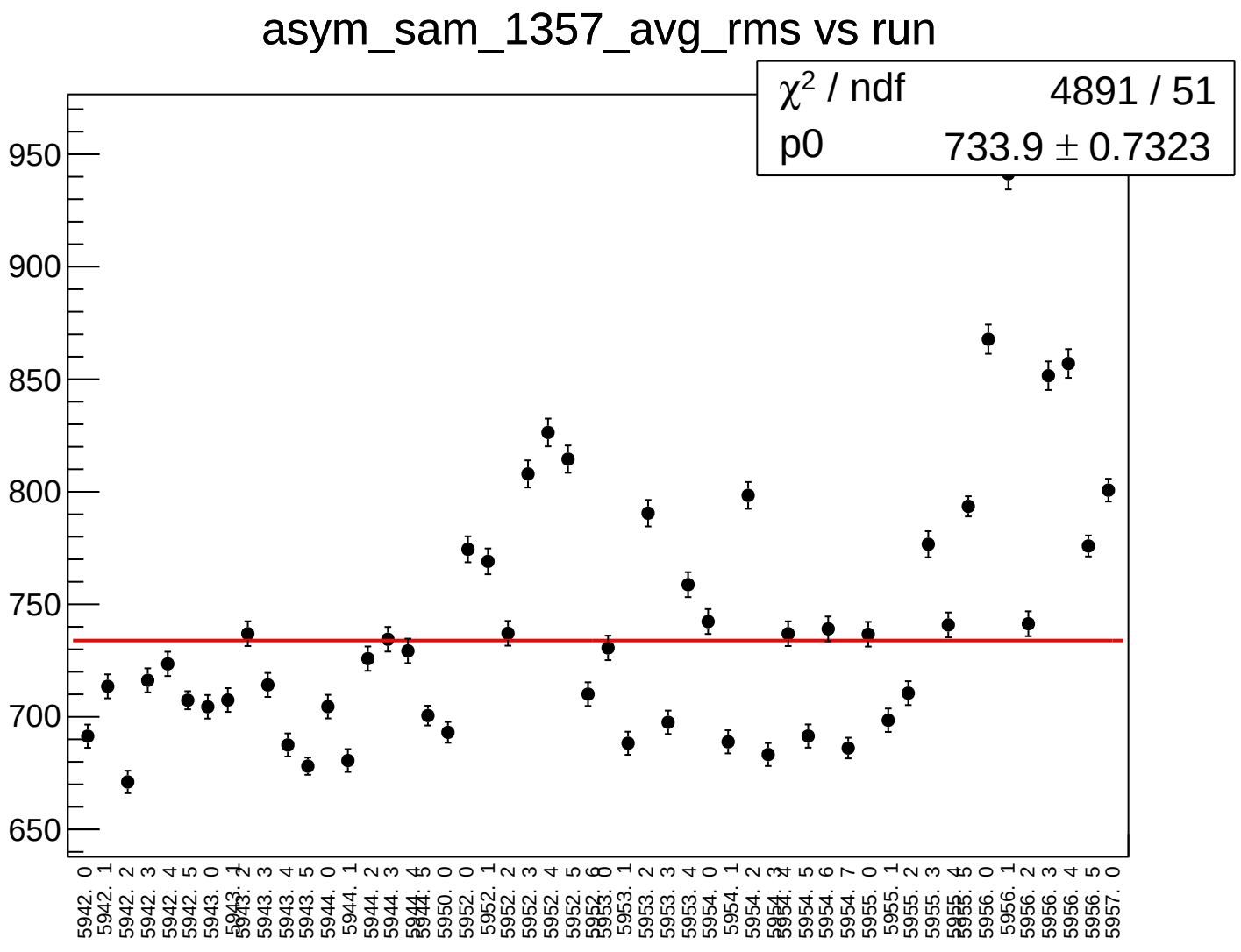

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 55.87 / 51
p0 −509.8 ± 1048
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 84.43
Std Dev 116
2
1
0
−1
−2

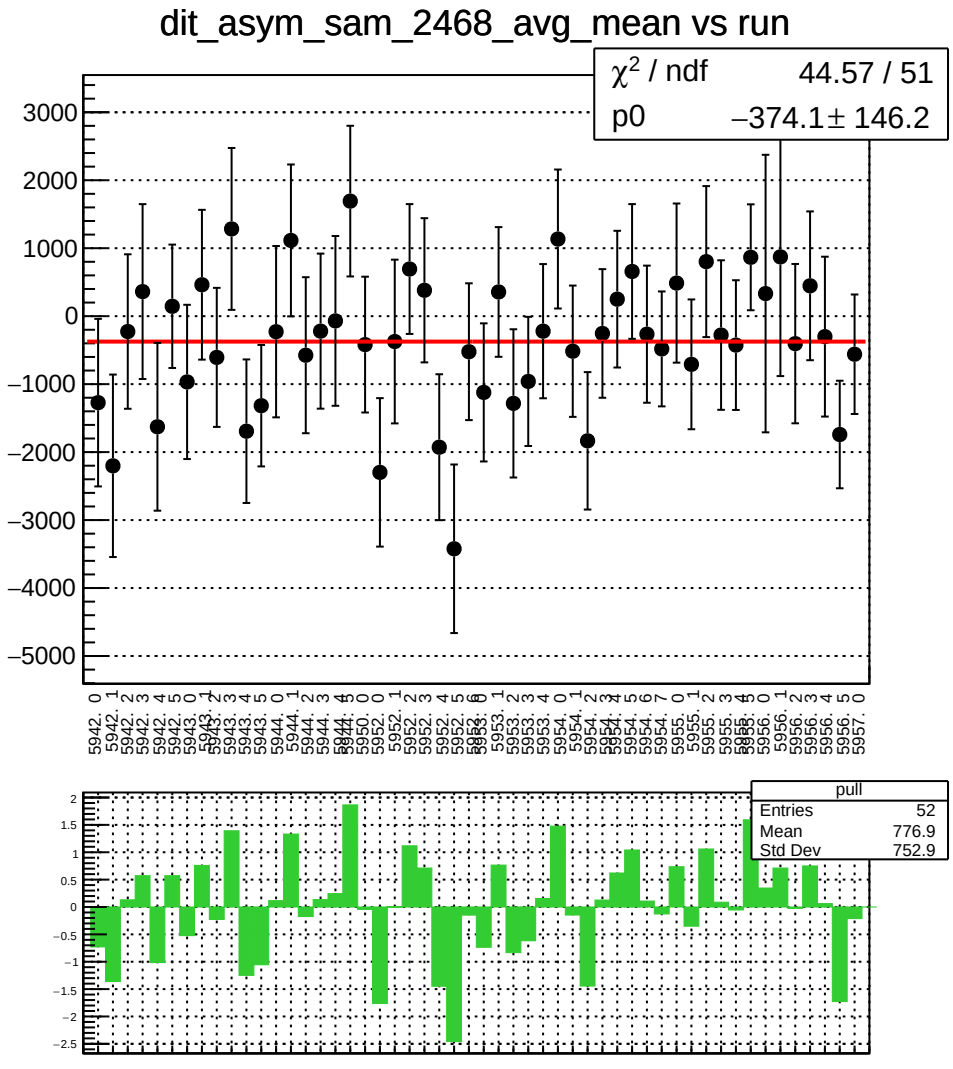

pull1D
Entries 52
Mean 0.005646
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

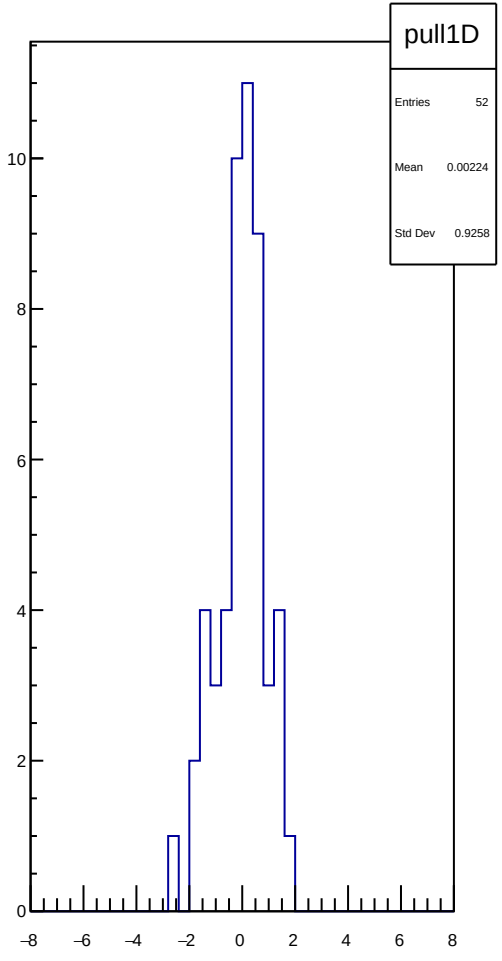

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3675 / 51
p0 743 ± 0.7409
900
850
800
750
700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

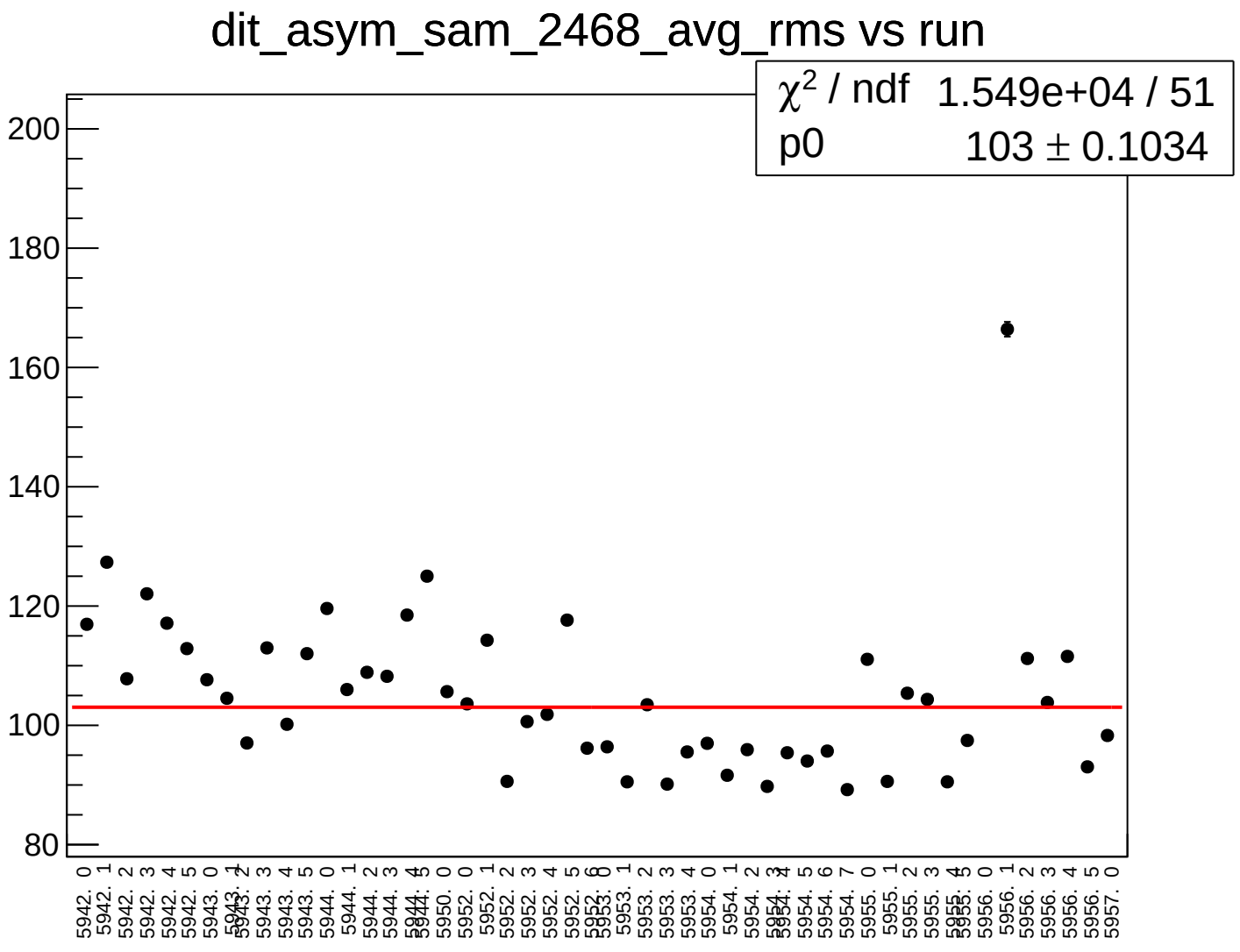

asym_sam_1357_avg_mean vs run
χ² / ndf 56.79 / 51
p0 297 ± 1036
pull
Entries 52
Mean 86.18
Std Dev 125.7

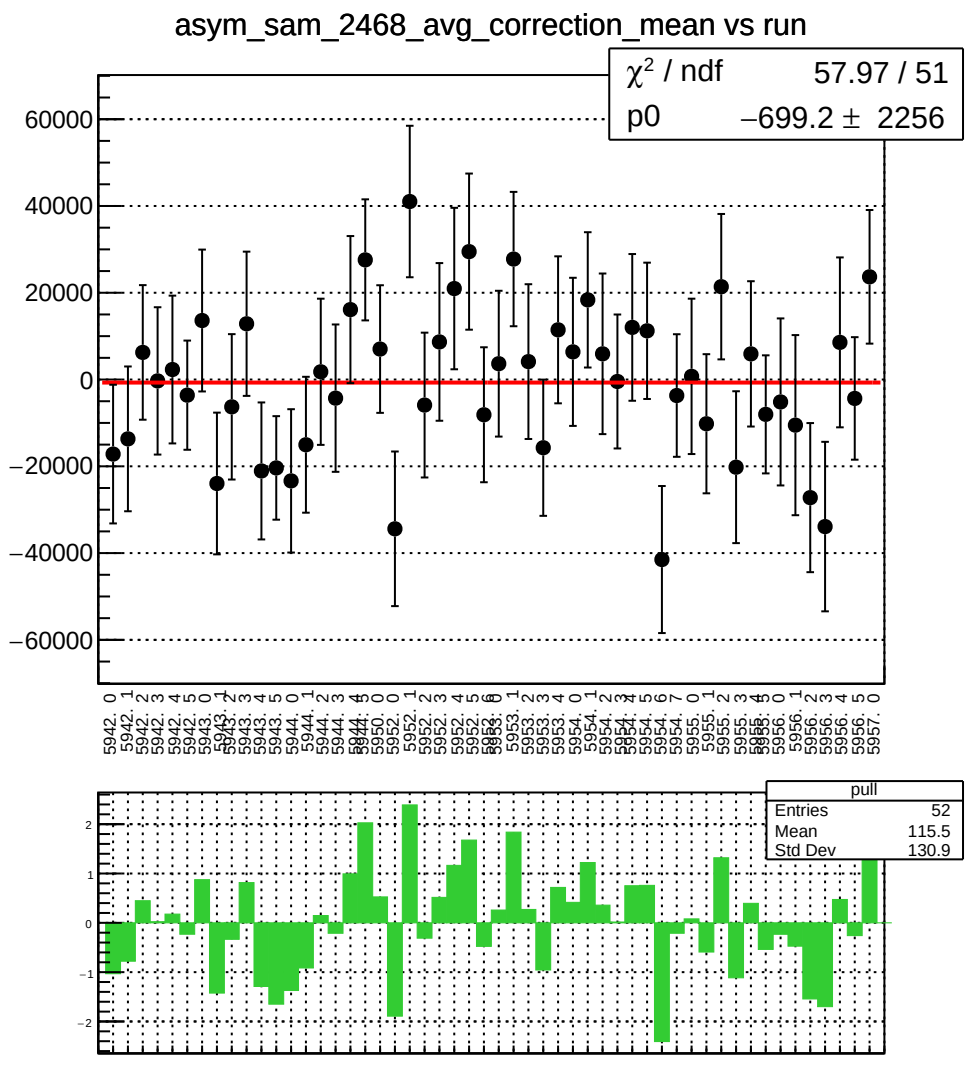

pull1D
Entries 52
Mean −0.004338
Std Dev 1.045

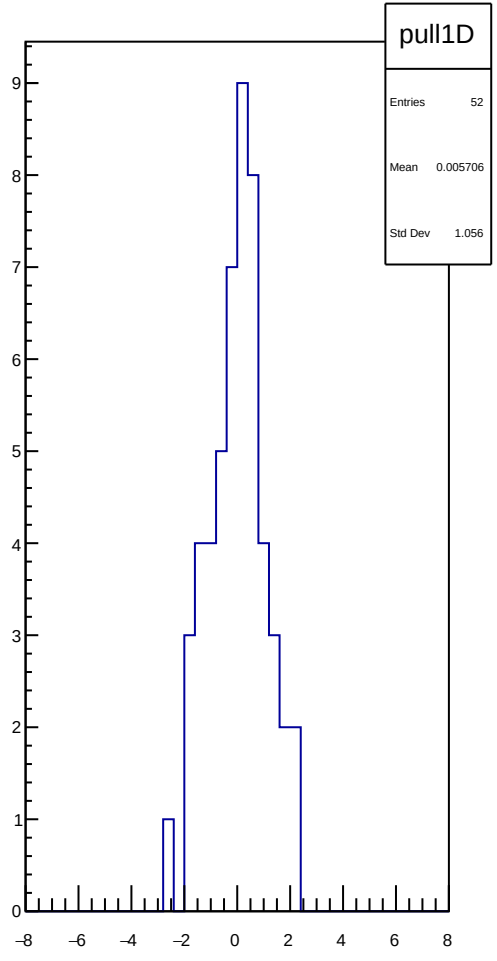

asym_sam_1357_avg_rms vs run
χ² / ndf 4891 / 51
p0 733.9 ± 0.7323
950
900
850
800
750
700
650
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

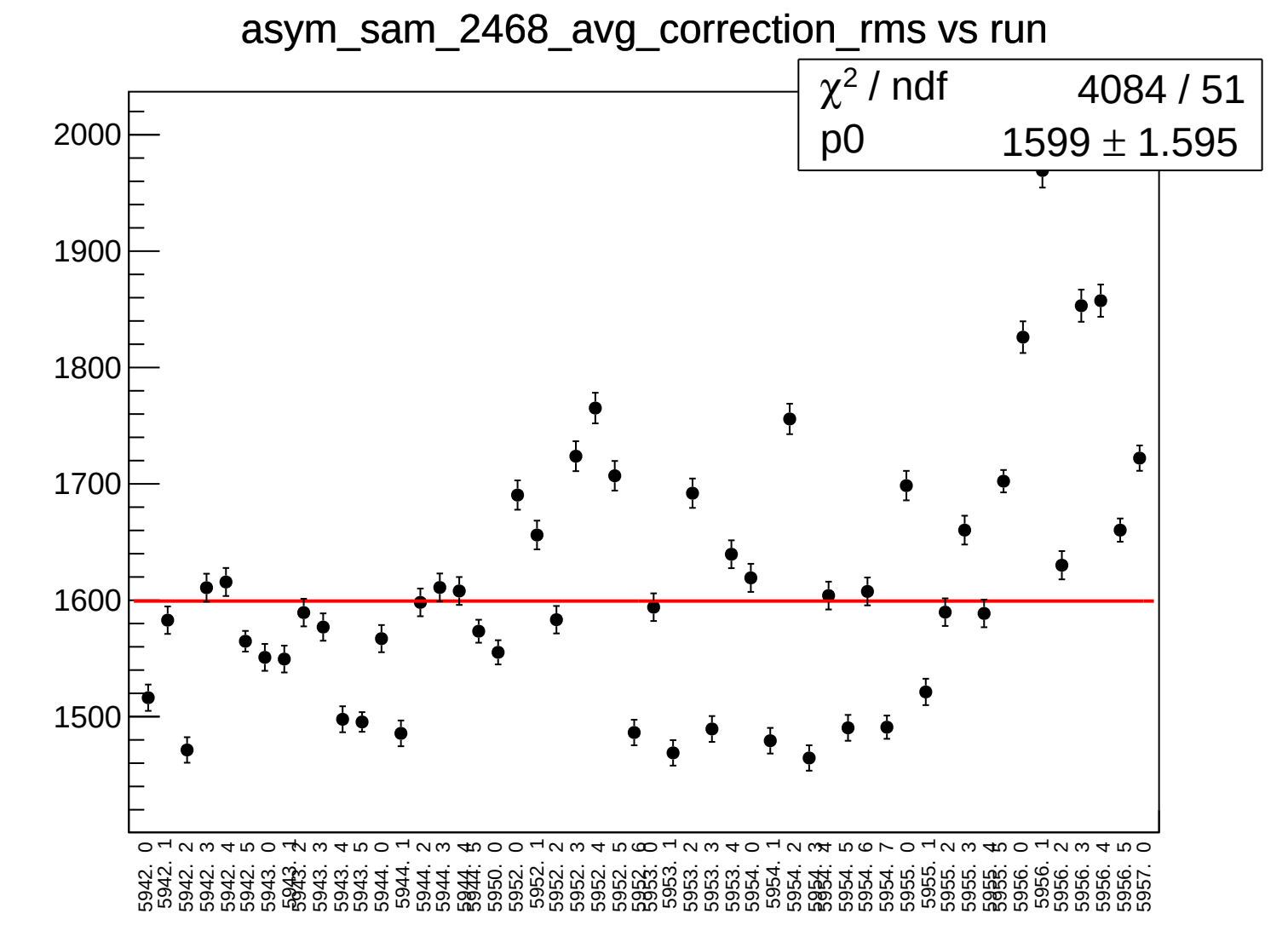

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 44.57 / 51
p0 −374.1± 146.2
pull
Entries 52
Mean 776.9
Std Dev 752.9

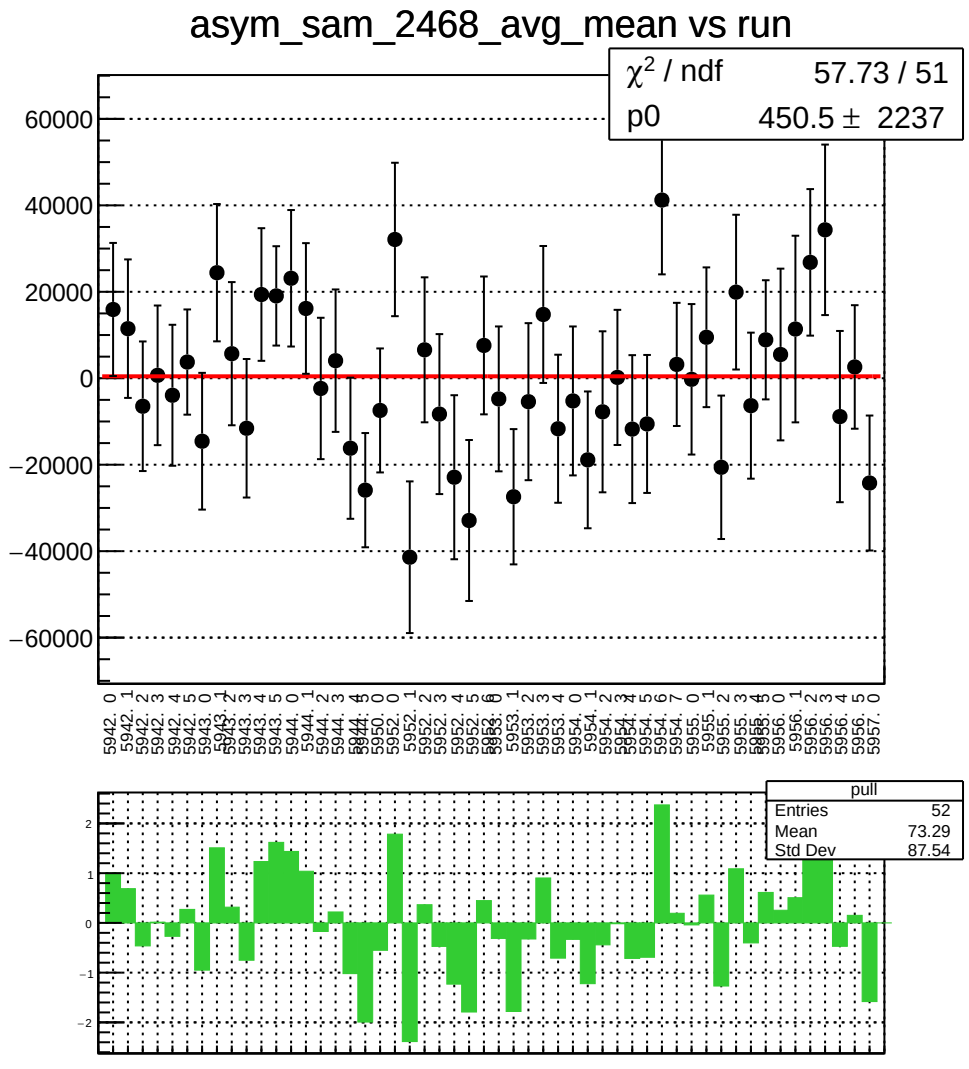

pull1D
Entries 52
Mean 0.00224
Std Dev 0.9258

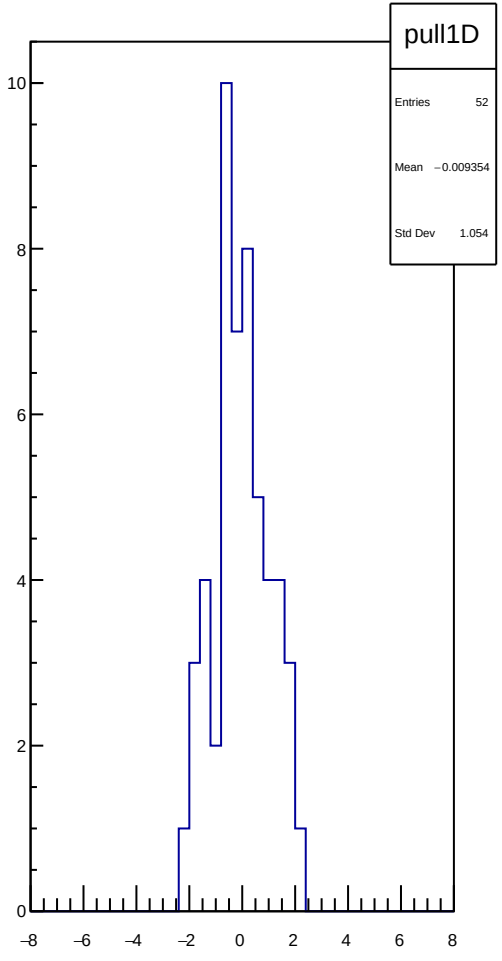

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.549e+04 / 51
p0 103 ± 0.1034
200
180
160
140
120
100
80
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

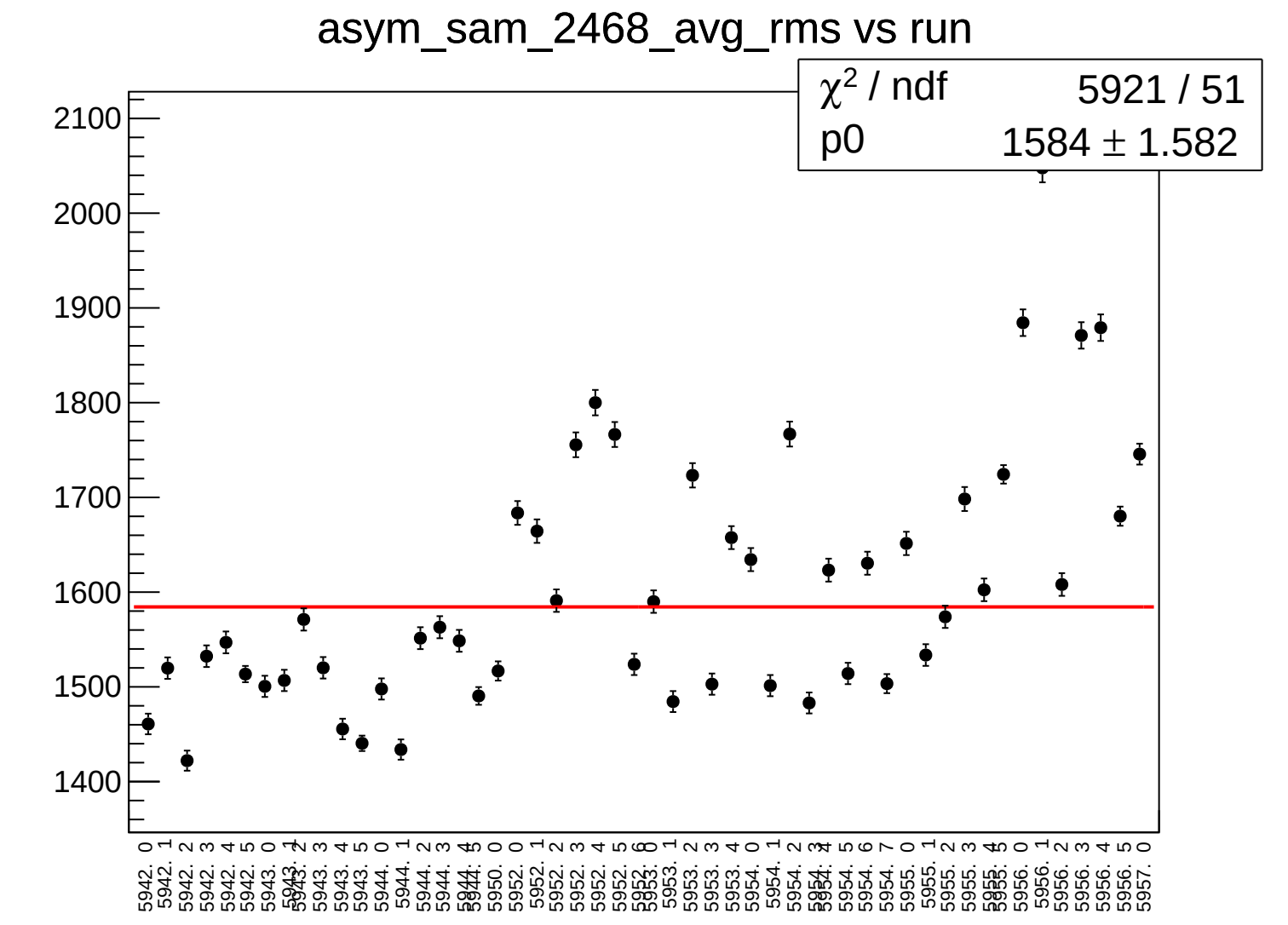

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 57.97 / 51
p0 −699.2 ± 2256
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 115.5
Std Dev 130.9
2
1
0
−1
−2

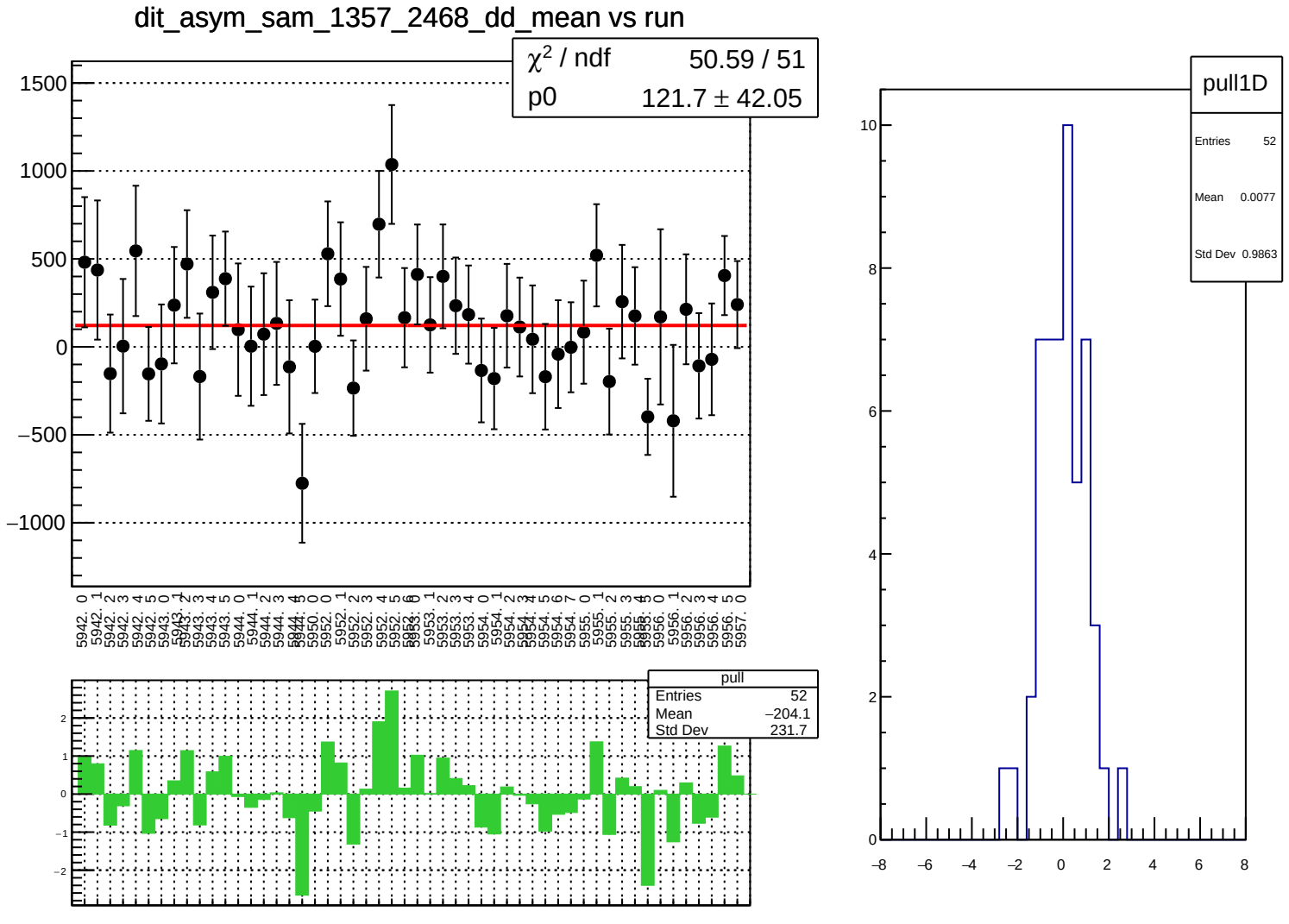

pull1D
Entries 52
Mean 0.005706
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

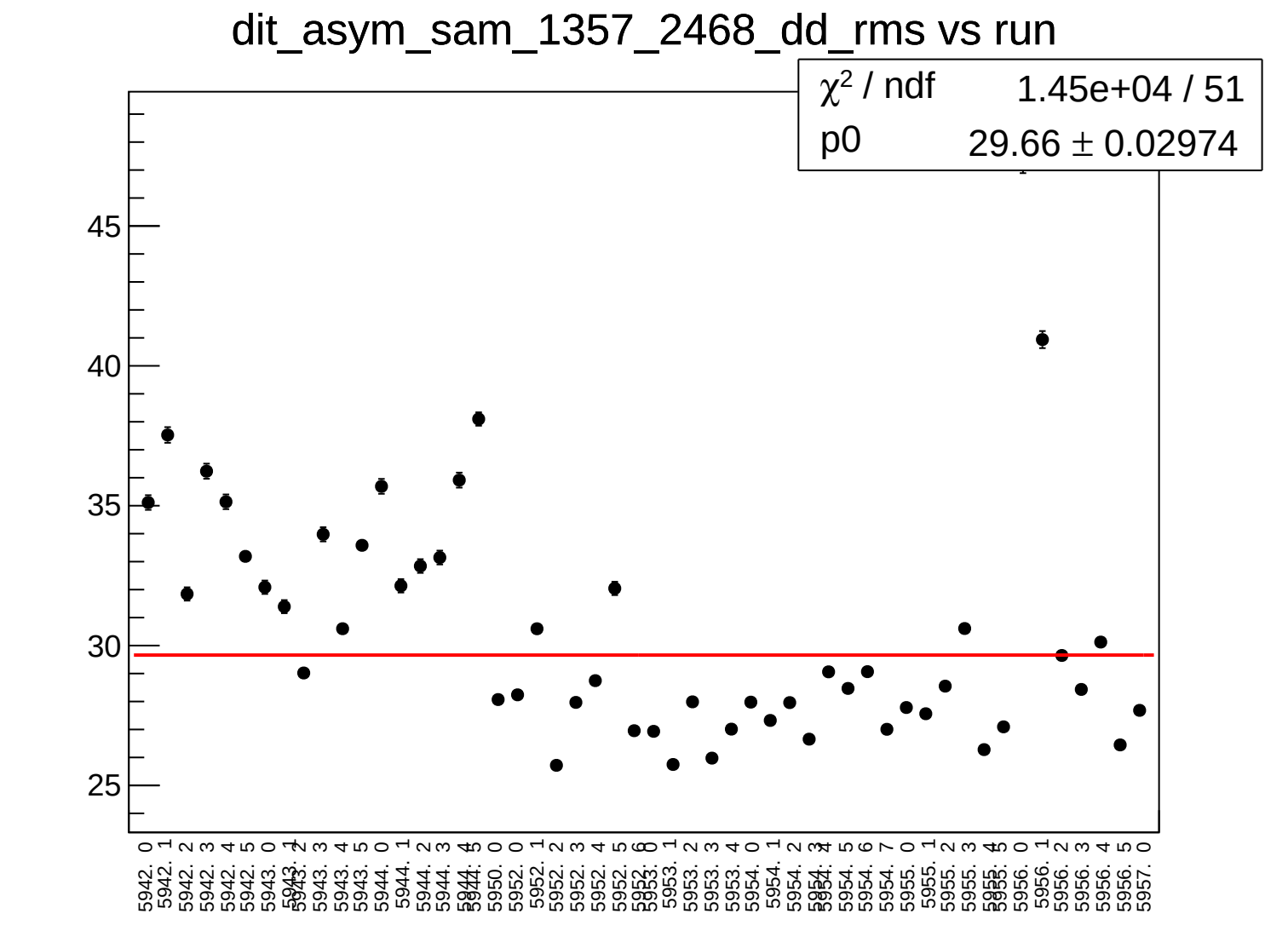

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 4084 / 51
p0 1599 ± 1.595
2000
1900
1800
1700
1600
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

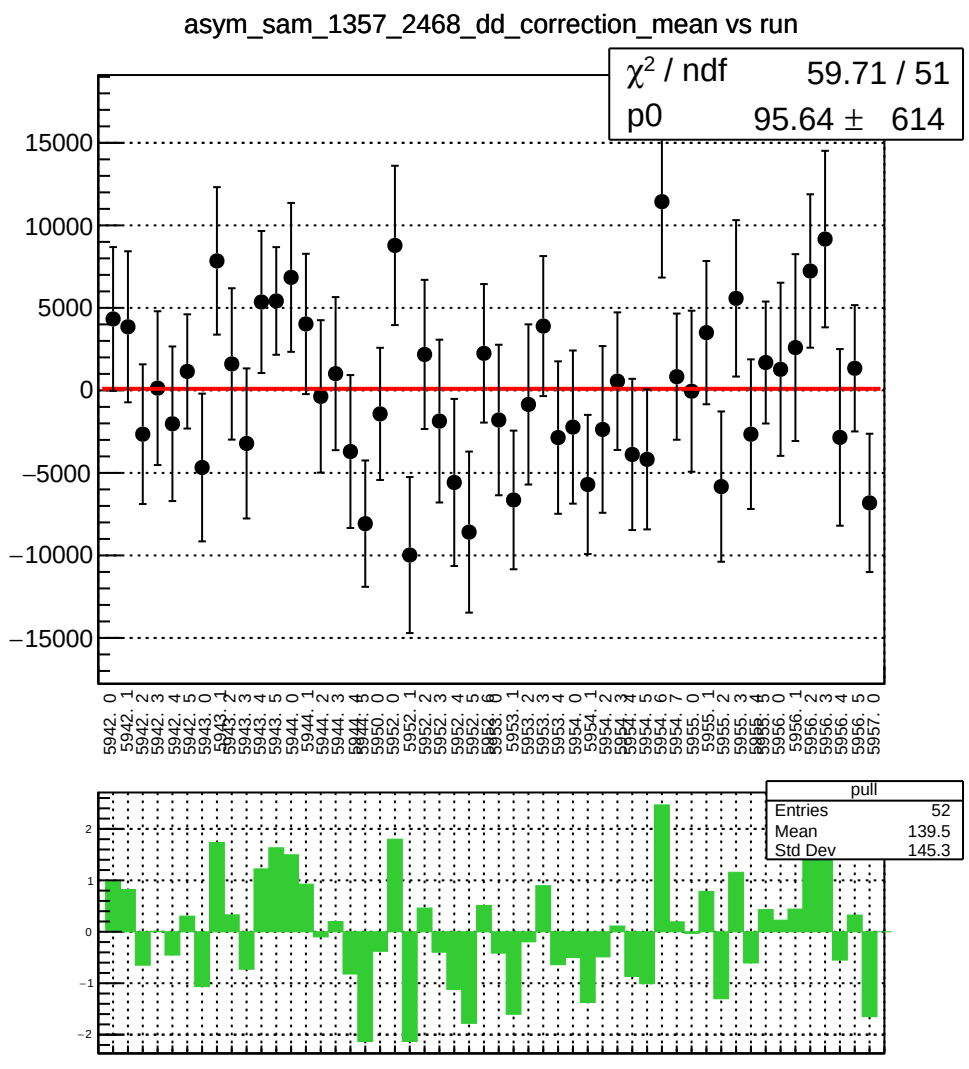

asym_sam_2468_avg_mean vs run
χ² / ndf 57.73 / 51
p0 450.5 ± 2237
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 73.29
Std Dev 87.54
2
1
0
−1
−2

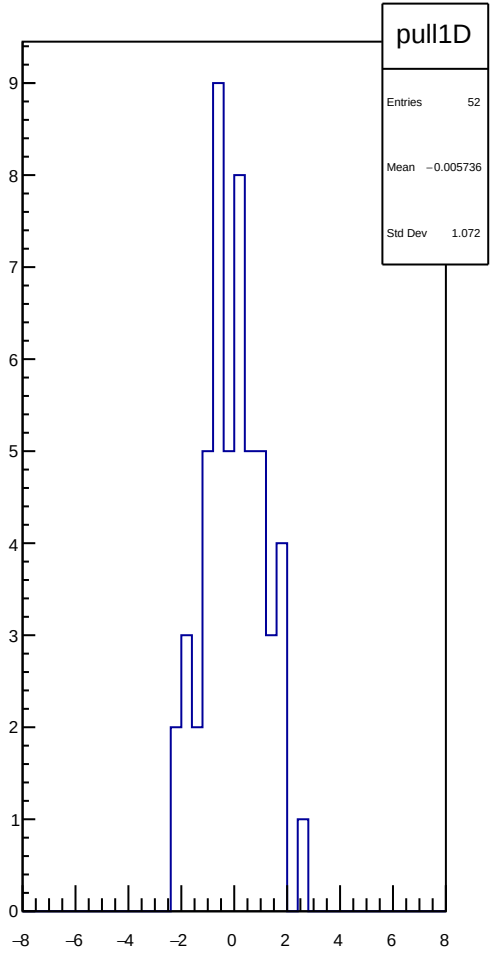

pull1D
Entries 52
Mean −0.009354
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

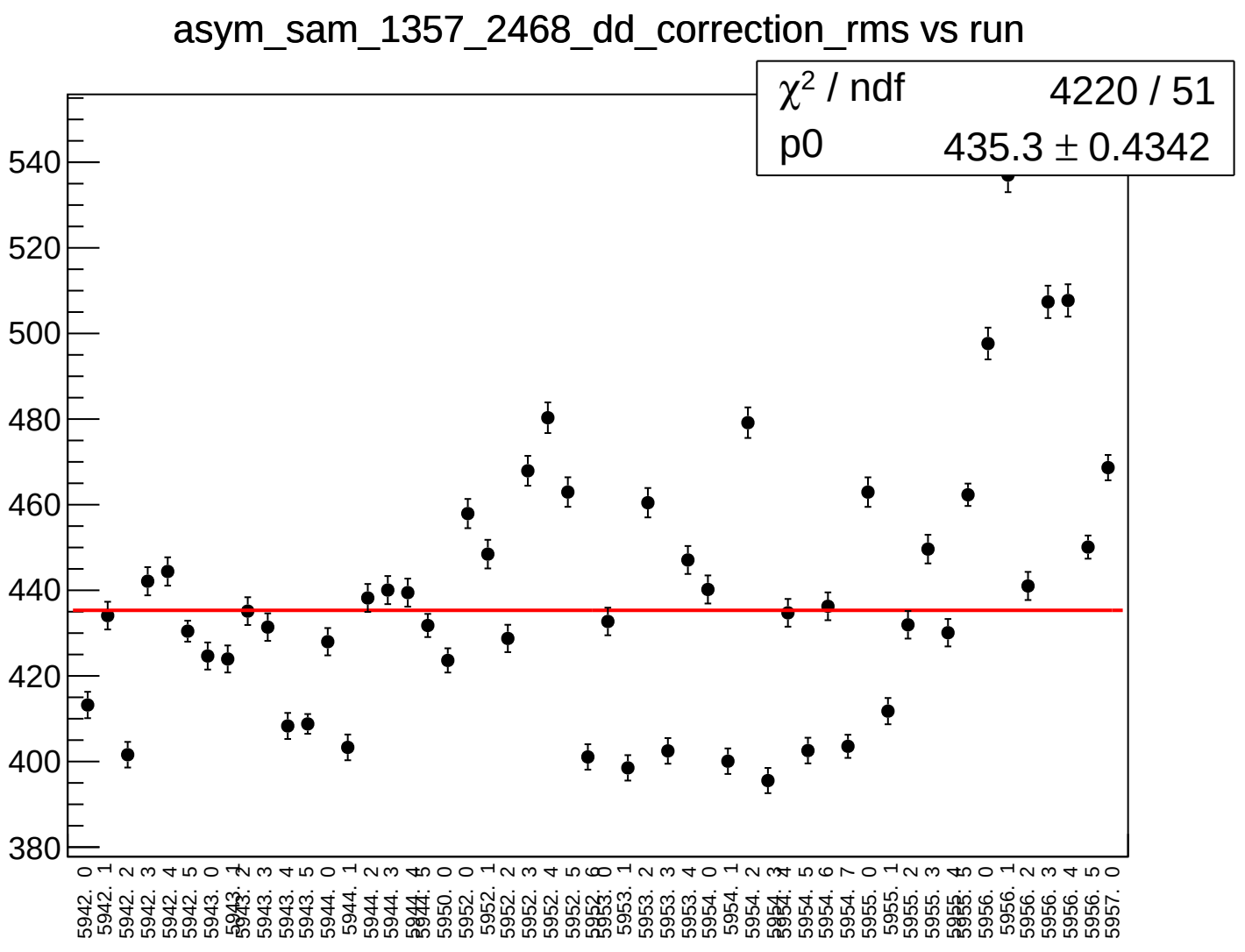

asym_sam_2468_avg_rms vs run
χ² / ndf 5921 / 51
p0 1584 ± 1.582
2100
2000
1900
1800
1700
1600
1500
1400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

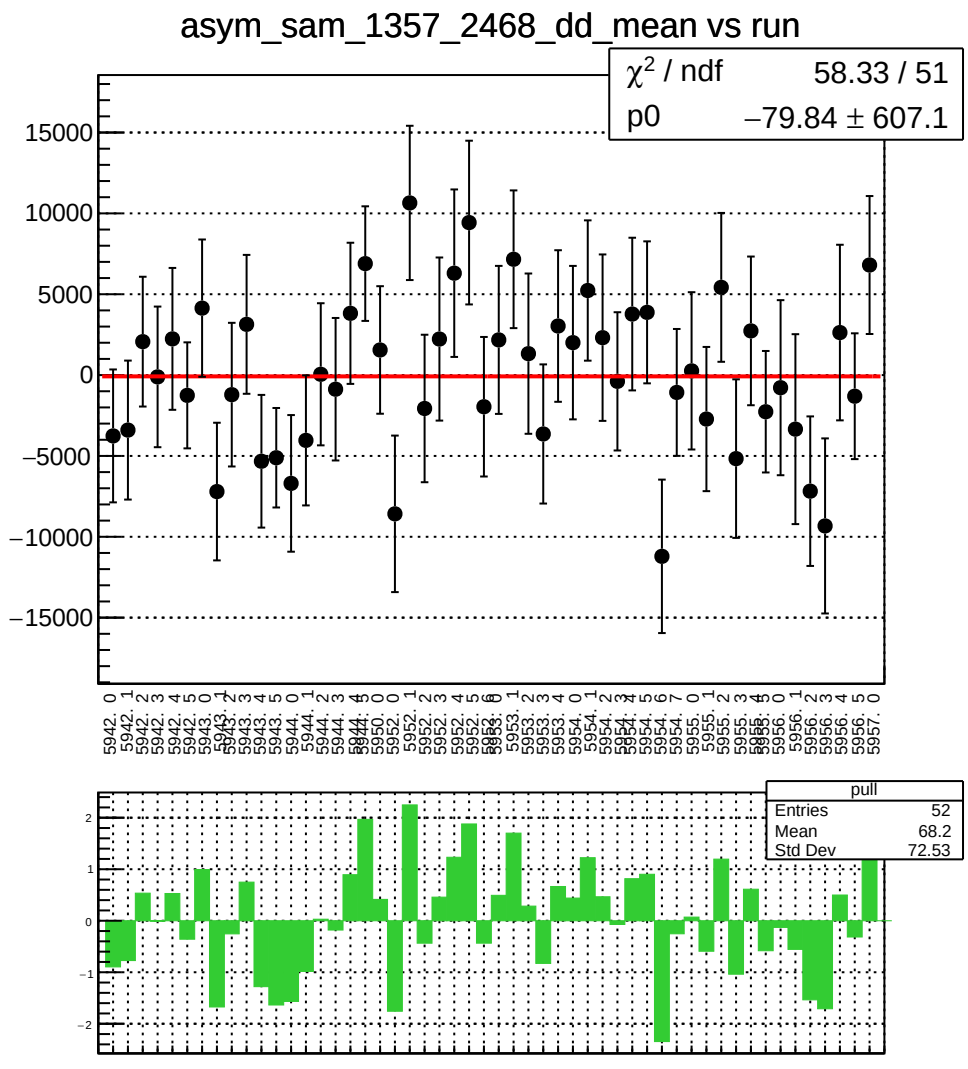

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 50.59 / 51
p0 121.7 ± 42.05
1500
1000
500
0
−500
−1000
pull
Entries 52
Mean −204.1
Std Dev 231.7
pull1D
Entries 52
Mean 0.0077
Std Dev 0.9863

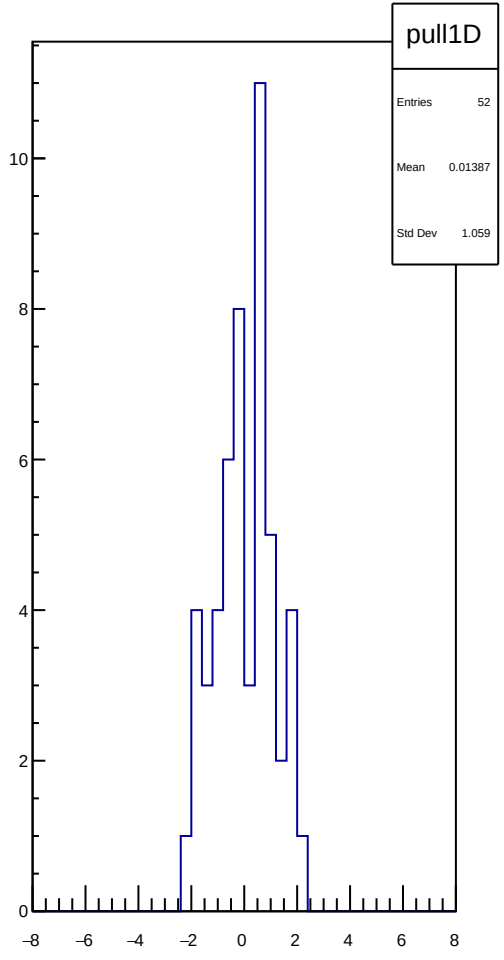

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.45e+04 / 51
p0 29.66 ± 0.02974
45
40
35
30
25
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

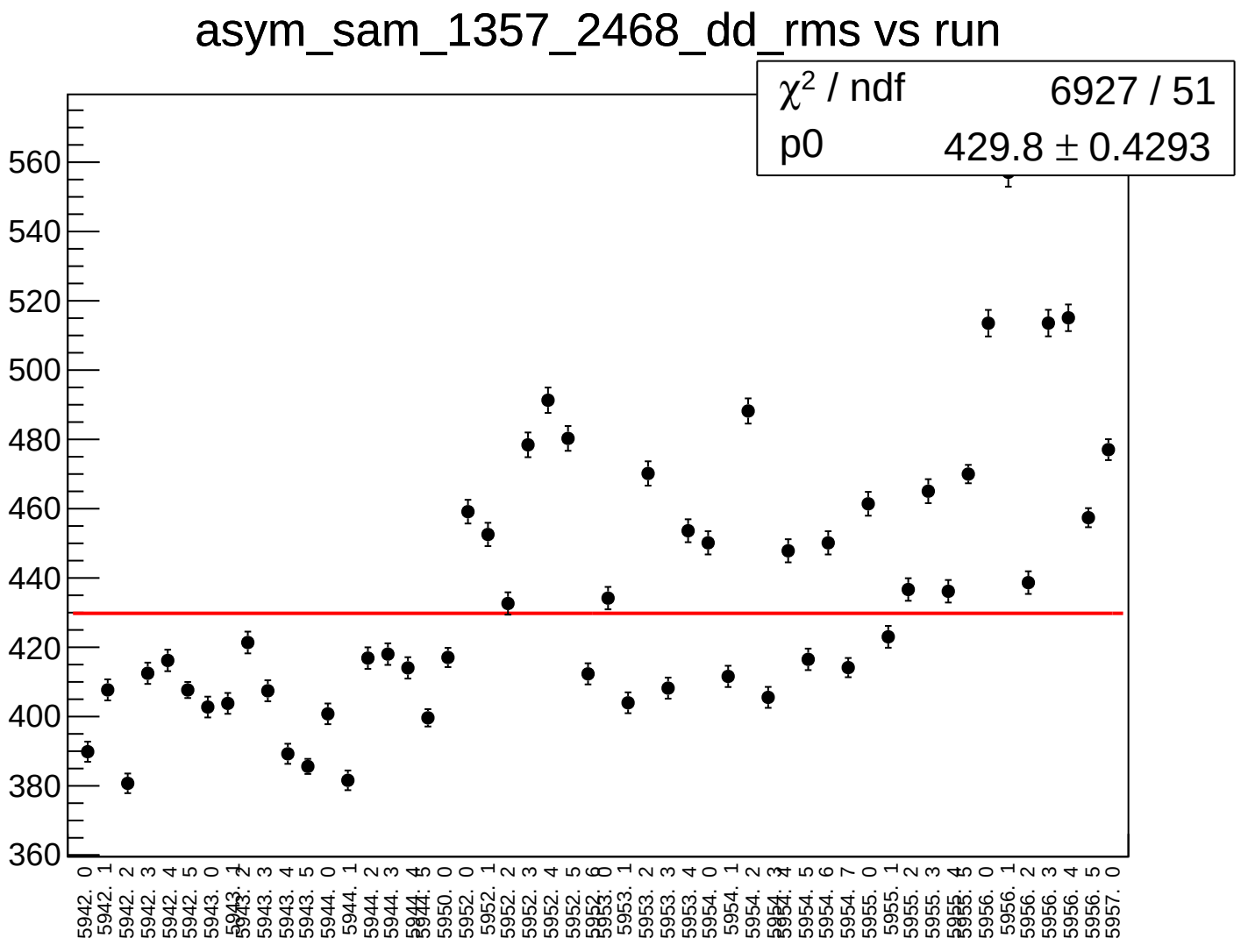

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 59.71 / 51
p0 95.64 ± 614
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 139.5
Std Dev 145.3
2
1
0
−1
−2

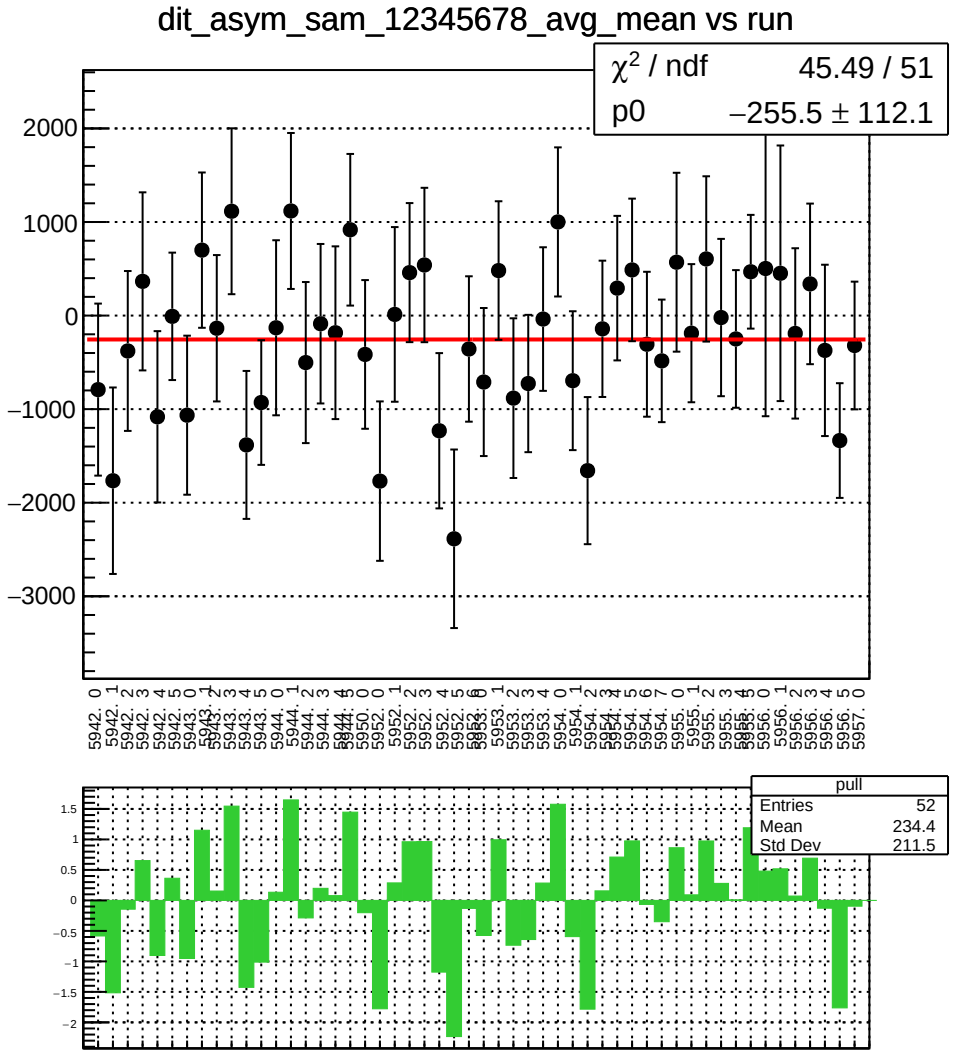

pull1D
Entries 52
Mean −0.005736
Std Dev 1.072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

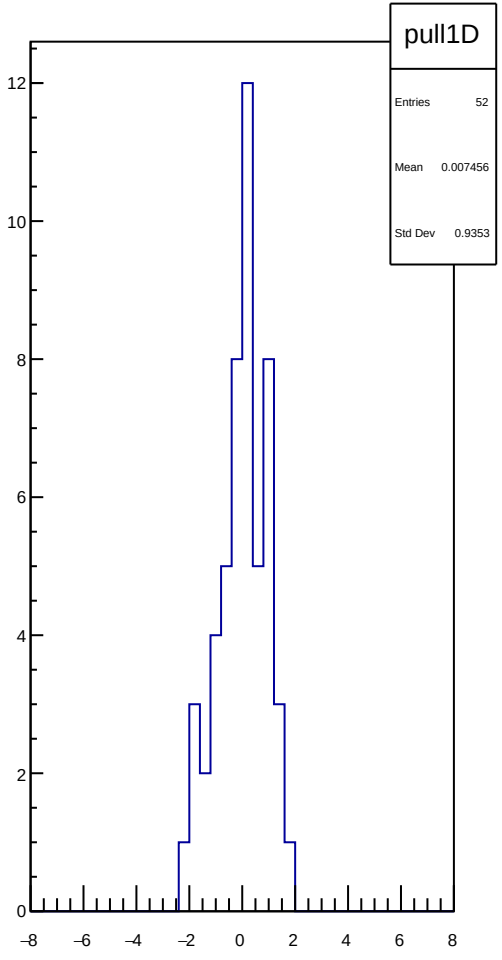

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 4220 / 51
p0 435.3 ± 0.4342
540
520
500
480
460
440
420
400
380
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

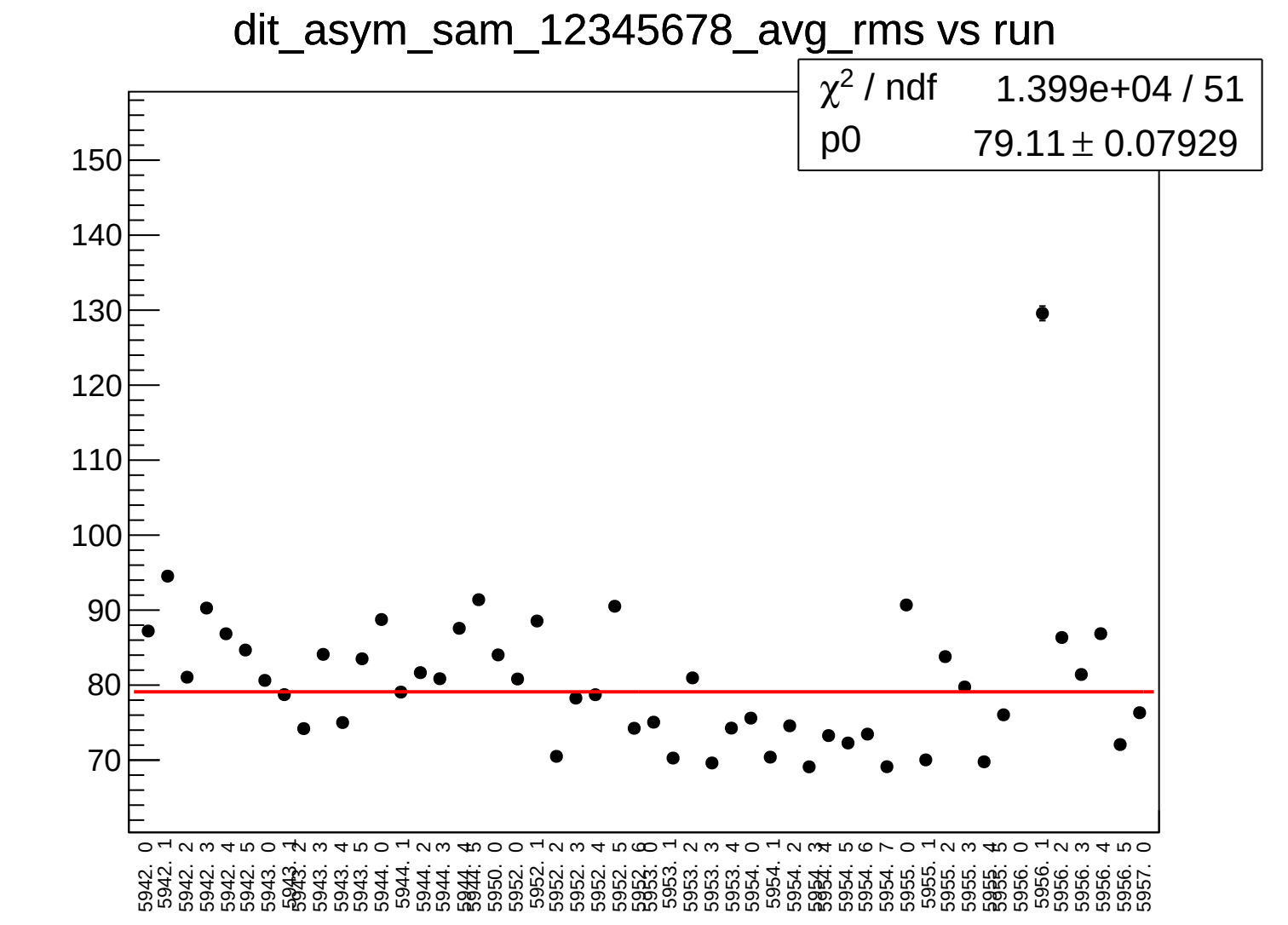

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 58.33 / 51
p0 −79.84 ± 607.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 68.2
Std Dev 72.53
2
1
0
−1
−2

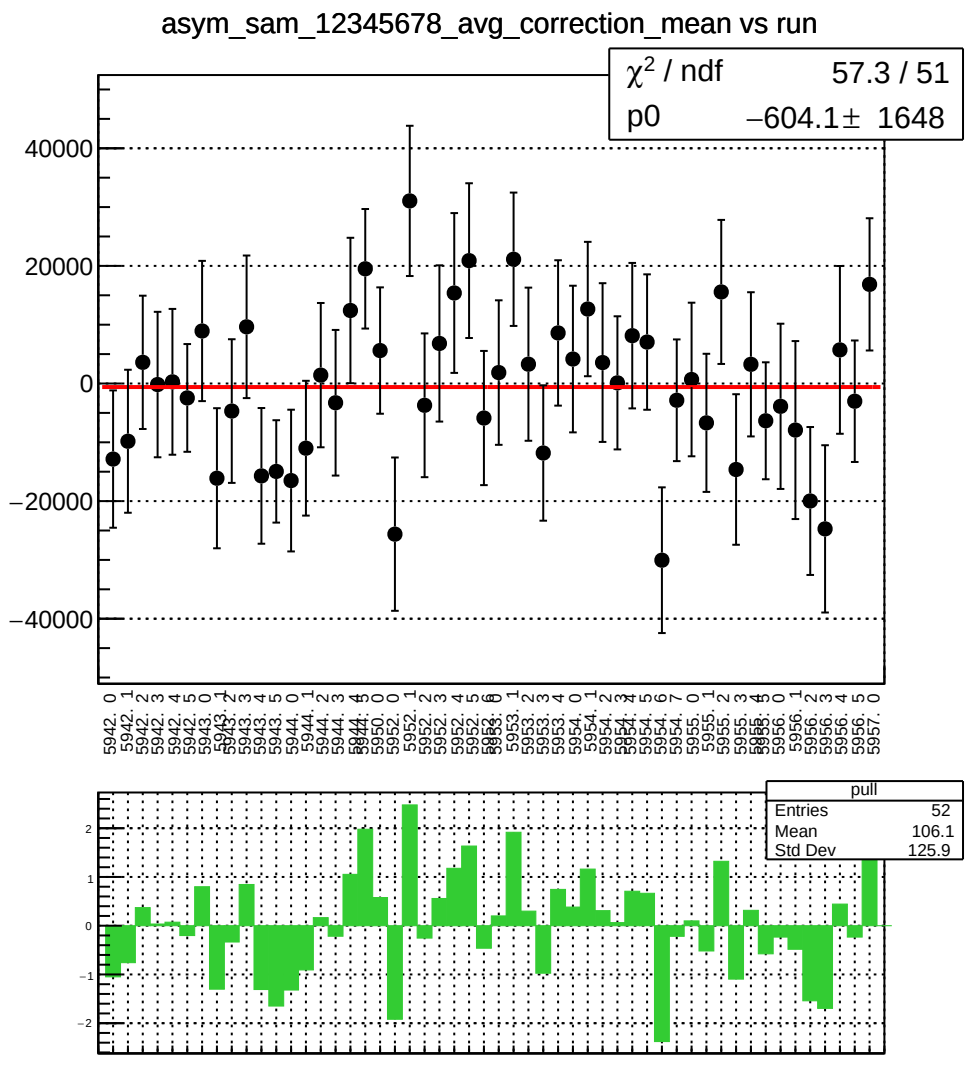

pull1D
Entries 52
Mean 0.01387
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

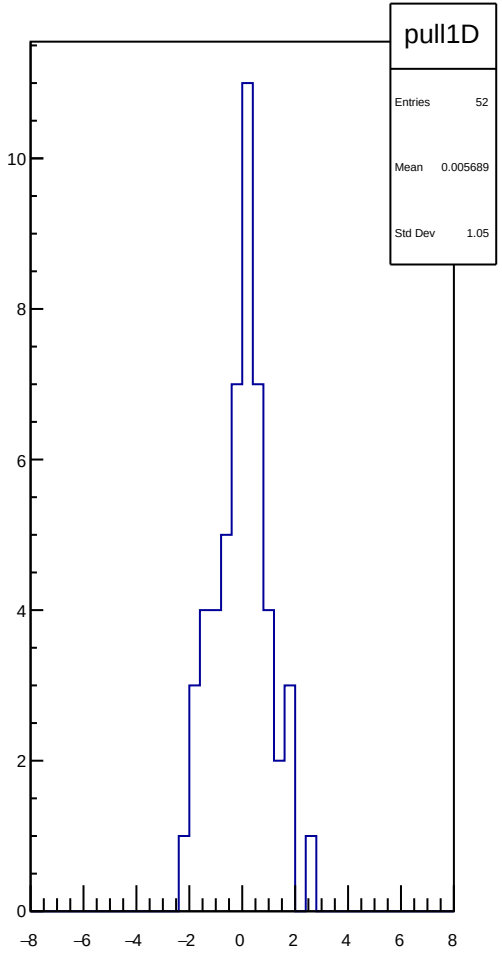

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6927 / 51
p0 429.8 ± 0.4293
560
540
520
500
480
460
440
420
400
380
360
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

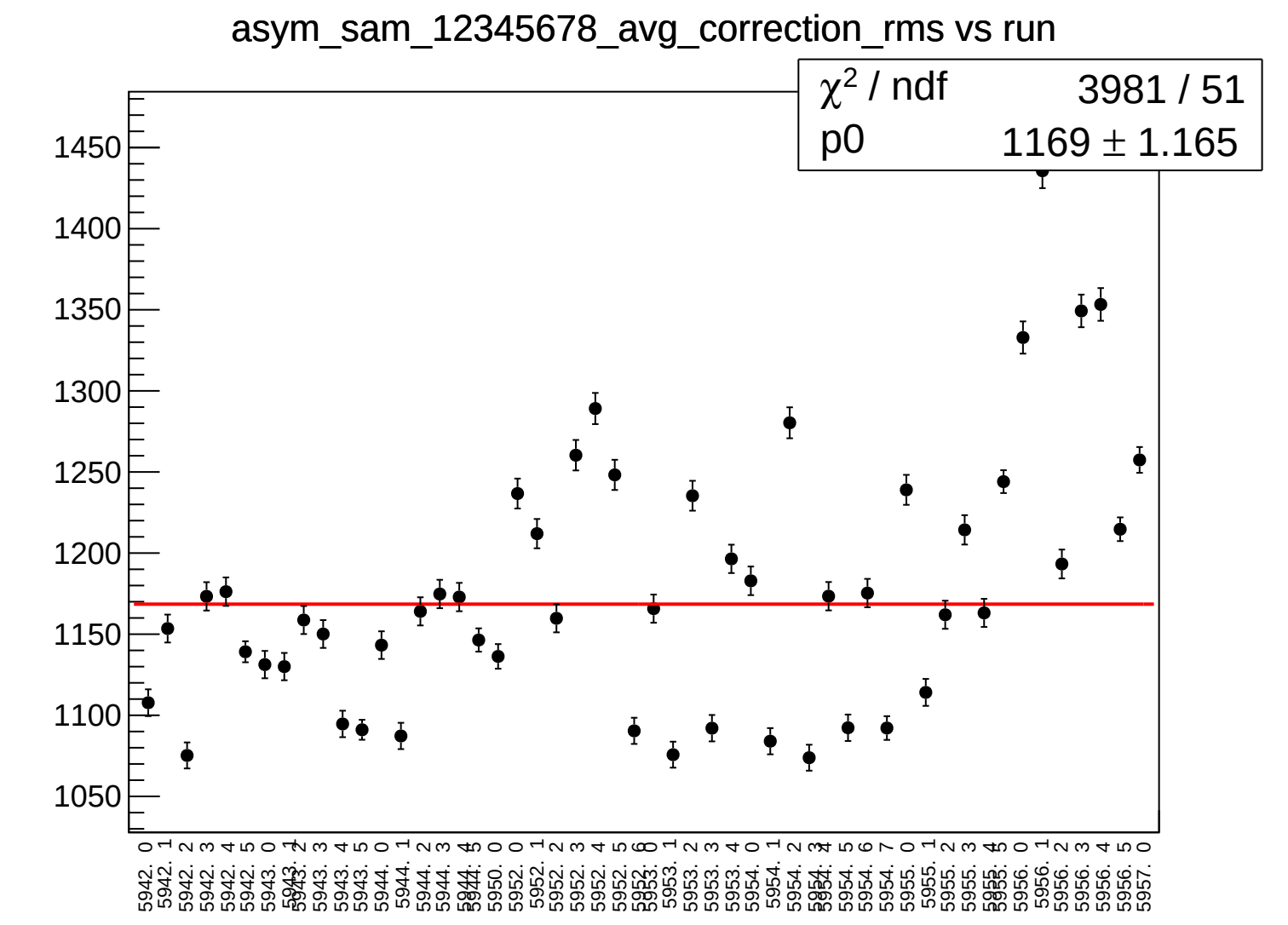

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 45.49 / 51
p0 −255.5 ± 112.1
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean 234.4
Std Dev 211.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

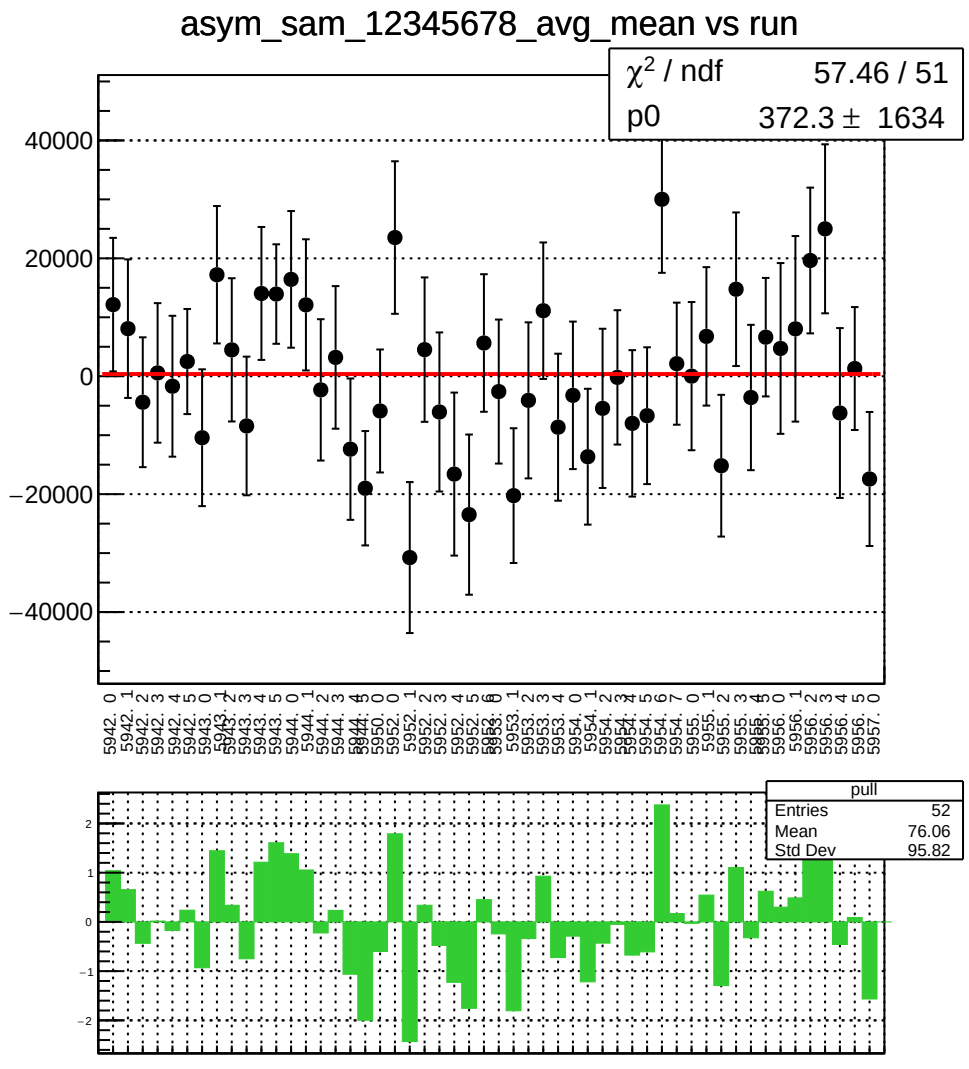

pull1D
Entries 52
Mean 0.007456
Std Dev 0.9353
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

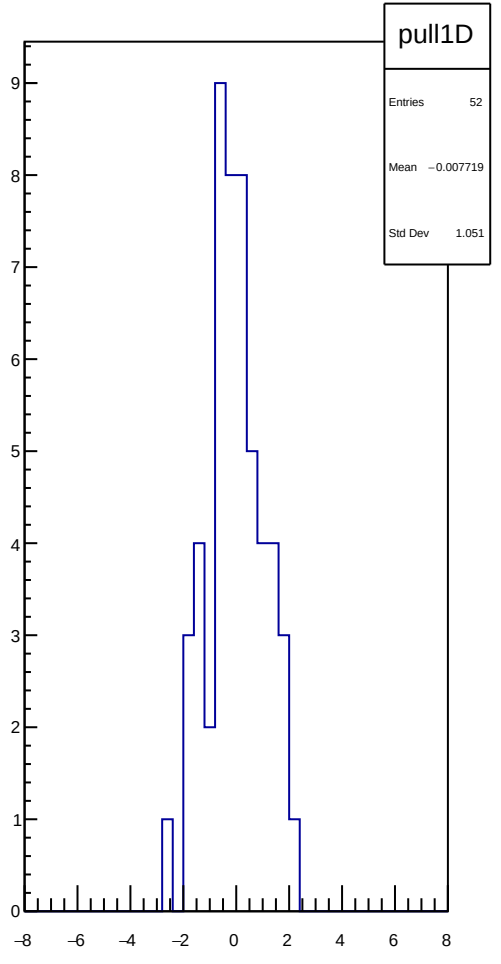

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.399e+04 / 51
p0 79.11 ± 0.07929
150
140
130
120
110
100
90
80
70
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

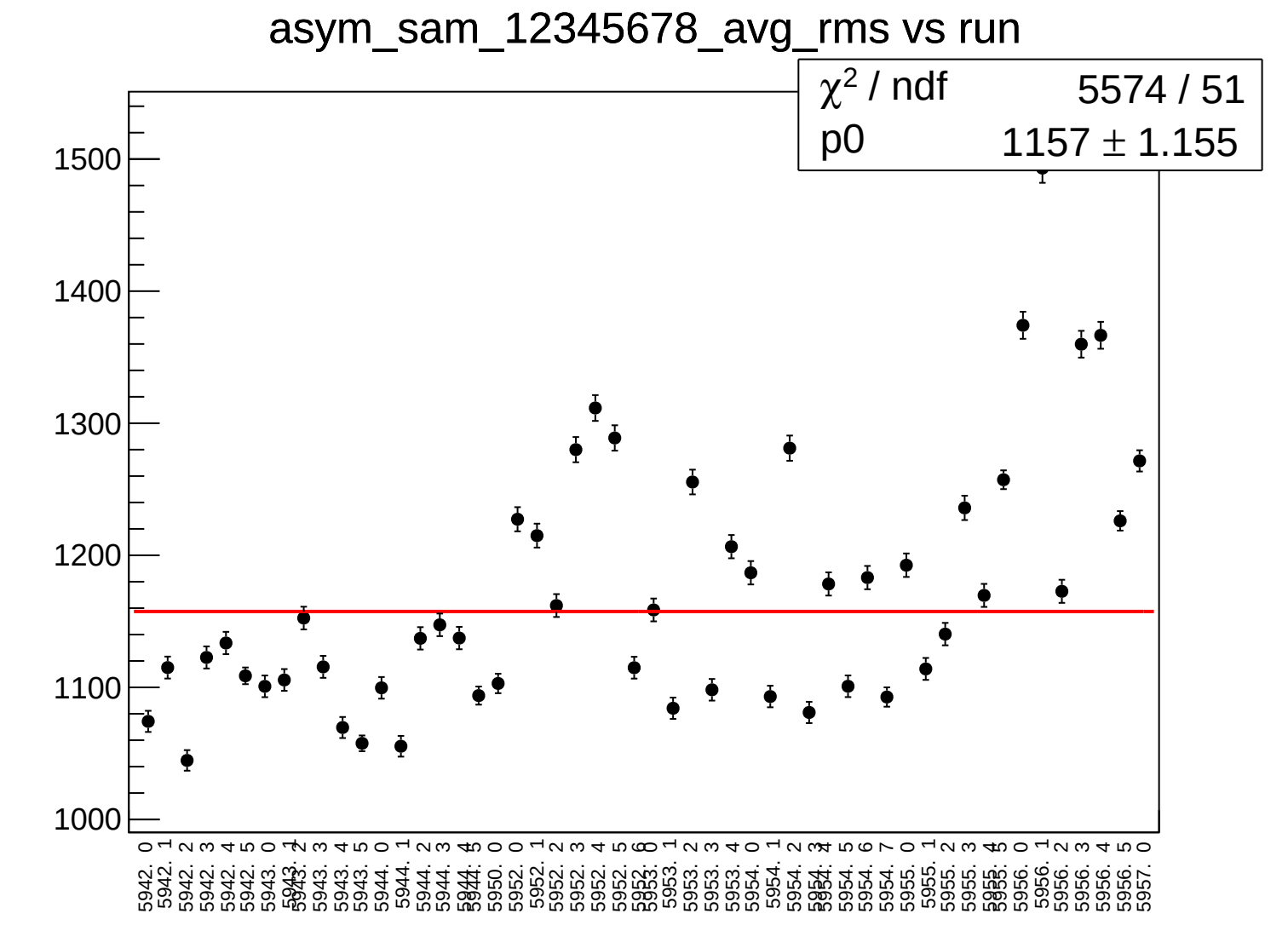

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 57.3 / 51
p0 −604.1± 1648
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 106.1
Std Dev 125.9
2
1
0
−1
−2

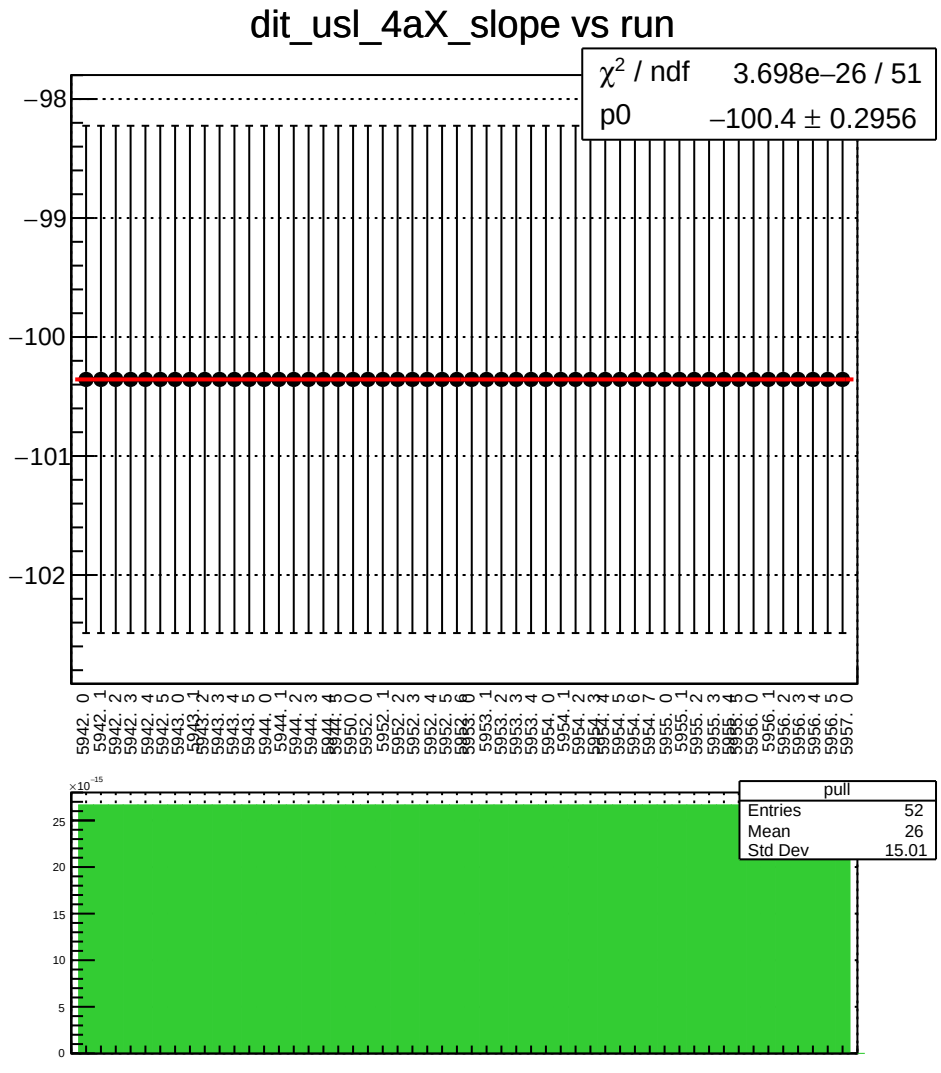

pull1D
Entries 52
Mean 0.005689
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

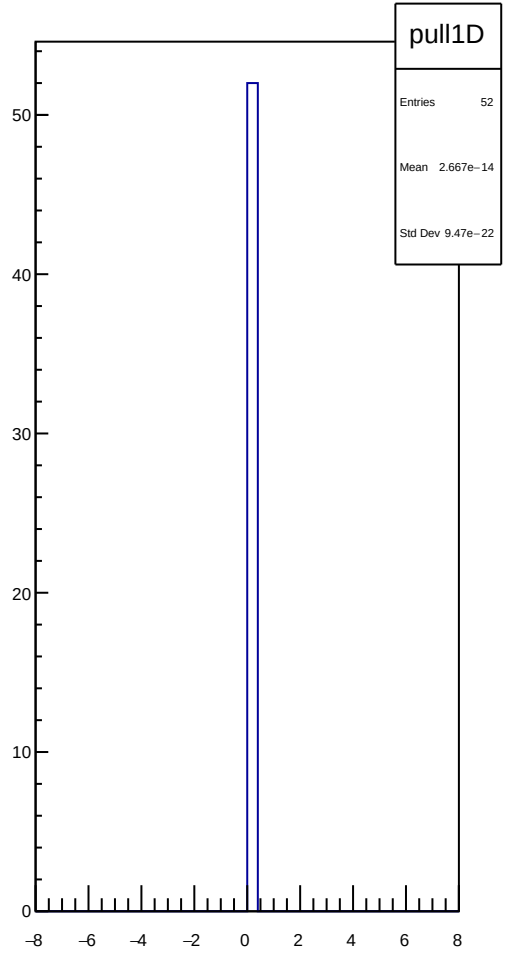

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3981 / 51
p0 1169 ± 1.165
1450
1400
1350
1300
1250
1200
1150
1100
1050
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

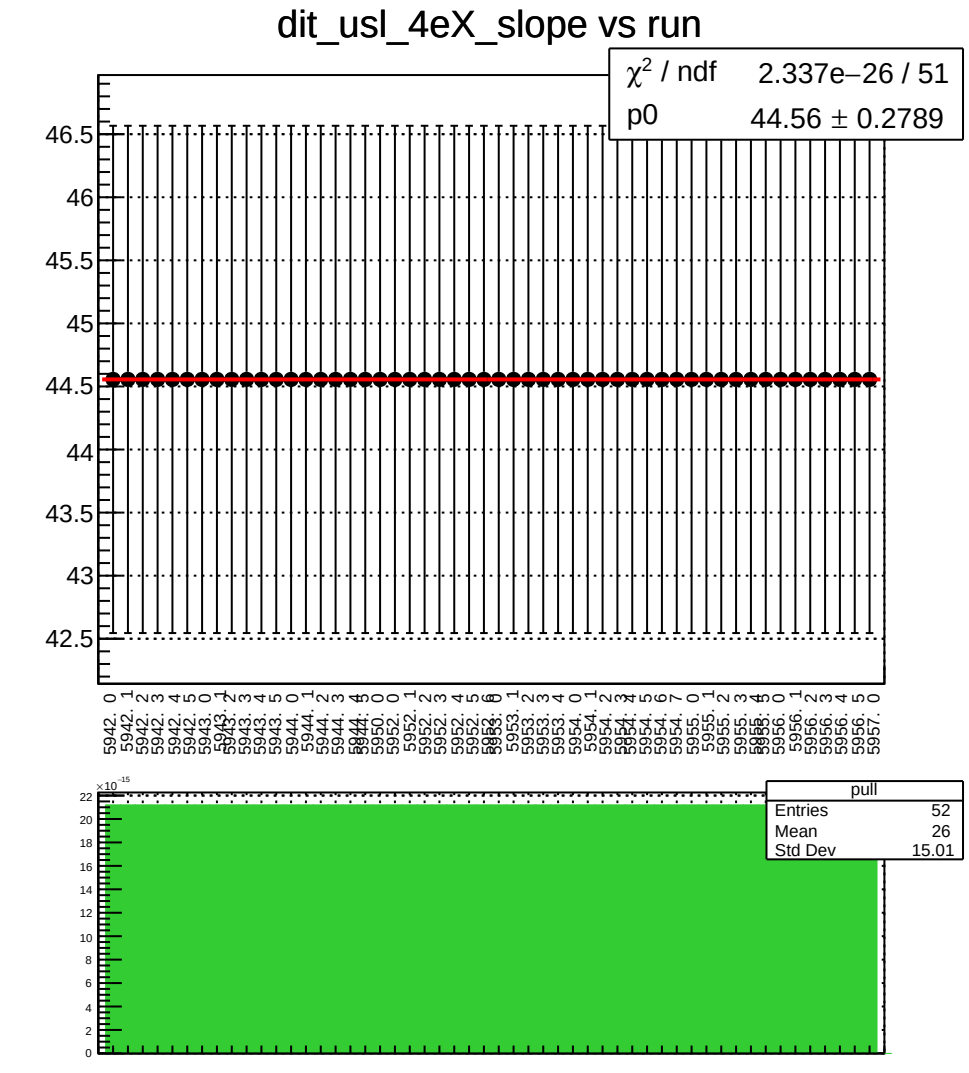

asym_sam_12345678_avg_mean vs run
χ² / ndf 57.46 / 51
p0 372.3 ± 1634
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 76.06
Std Dev 95.82
2
1
0
−1
−2

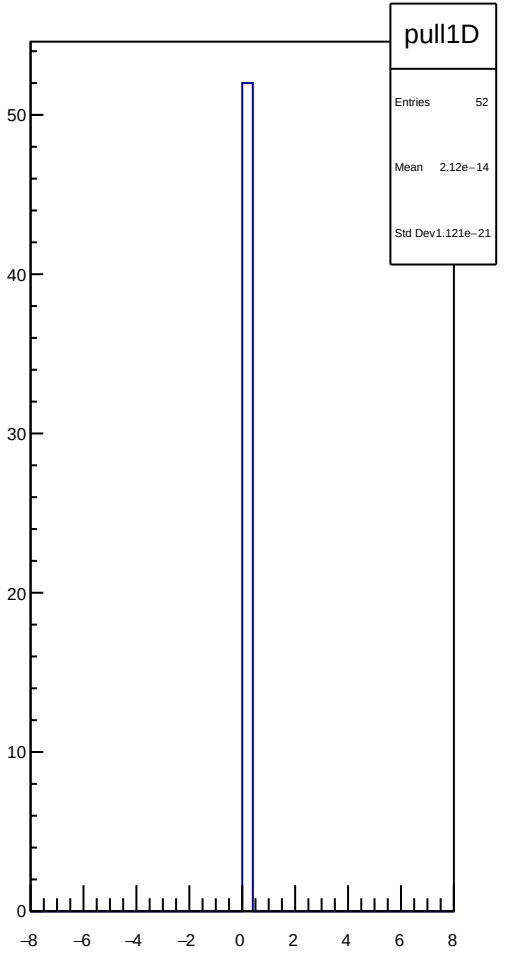

pull1D
Entries 52
Mean −0.007719
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

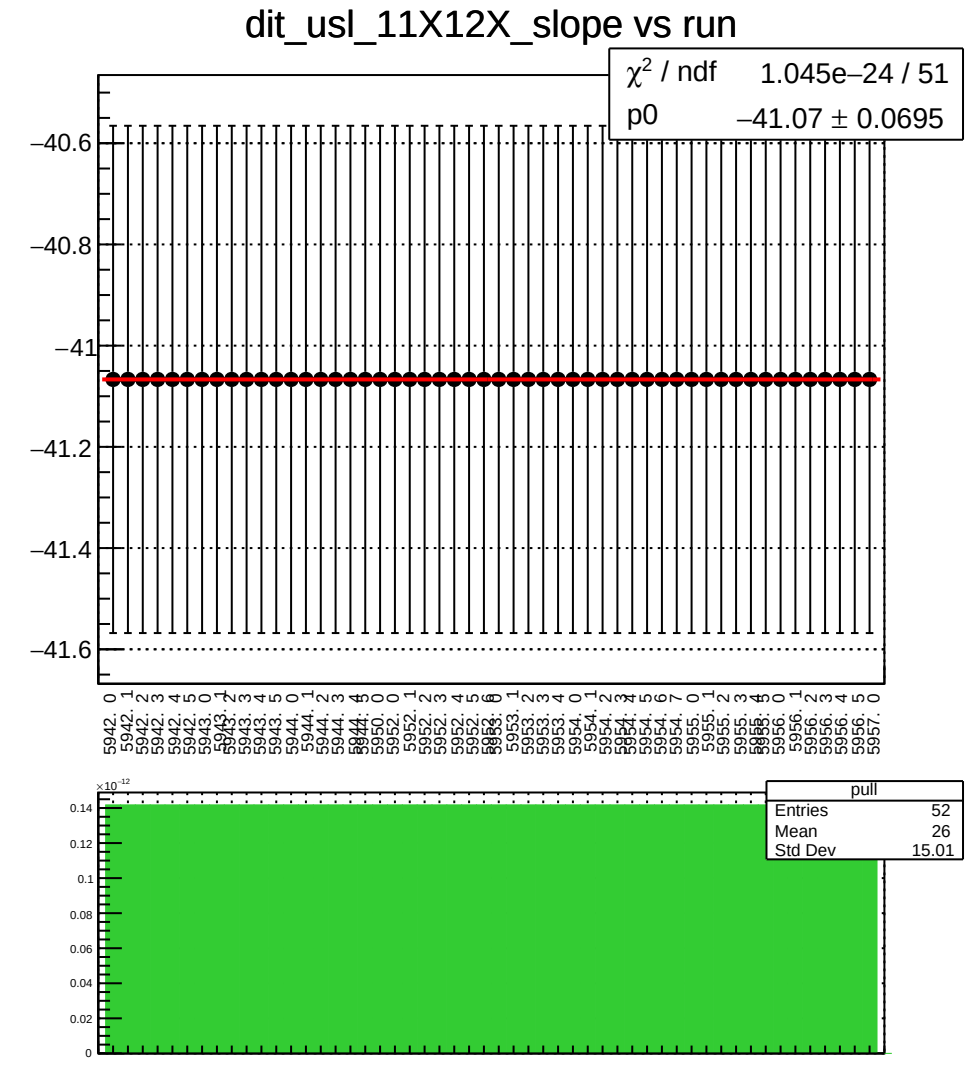

asym_sam_12345678_avg_rms vs run
χ² / ndf 5574 / 51
p0 1157 ± 1.155
1500
1400
1300
1200
1100
1000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

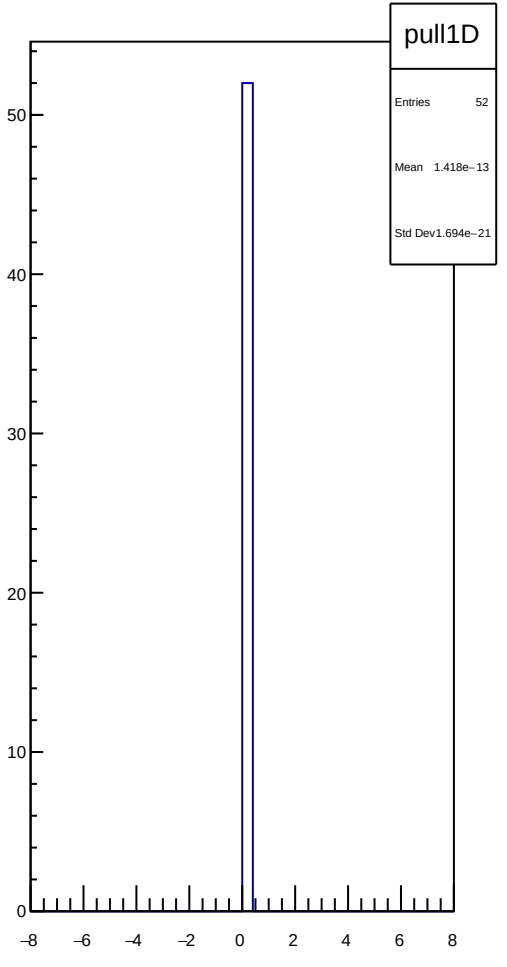

dit_usl_4aX_slope vs run
χ² / ndf 3.698e−26 / 51
p0 −100.4 ± 0.2956
−98
−99
−100
−101
−102
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
25
20
15
10
5
0

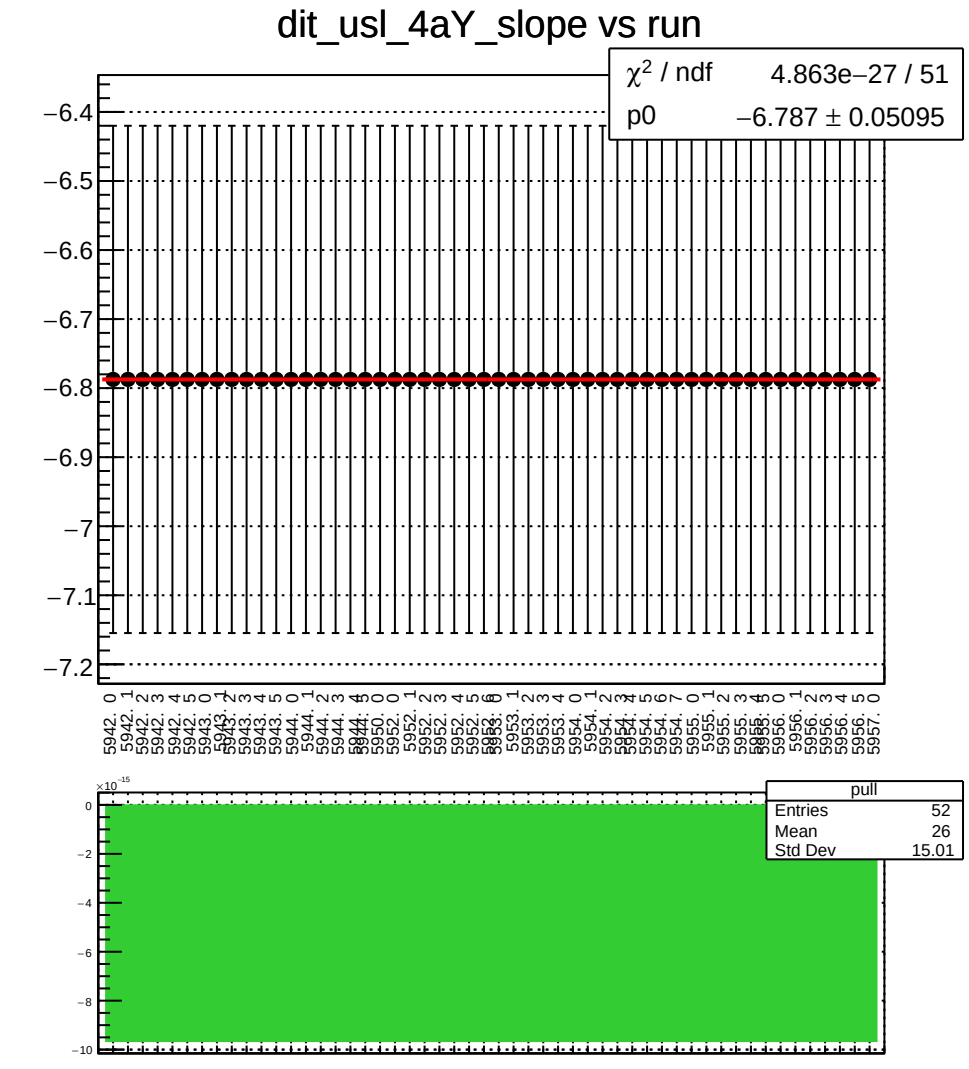

pull1D
Entries 52
Mean 2.667e−14
Std Dev 9.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

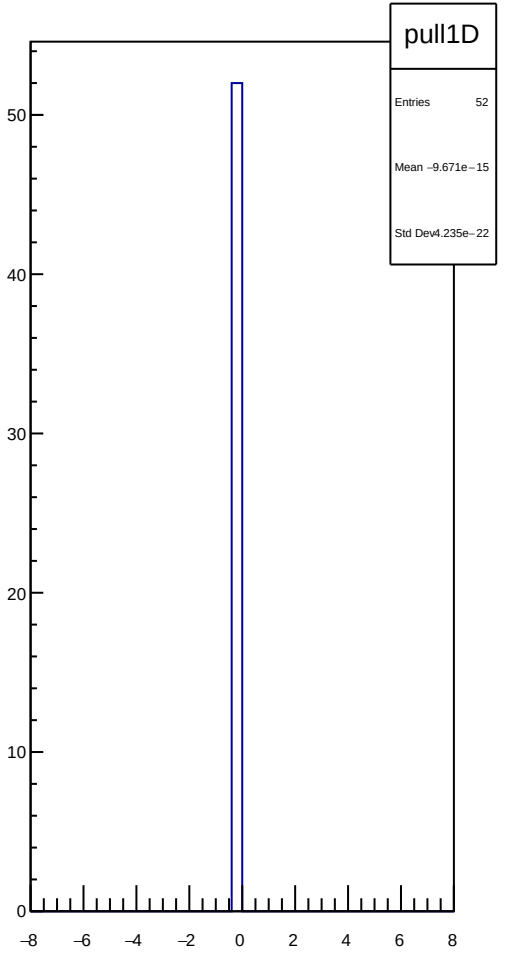

dit_usl_4eX_slope vs run
χ² / ndf 2.337e−26 / 51
p0 44.56 ± 0.2789
pull
Entries 52
Mean 26
Std Dev 15.01

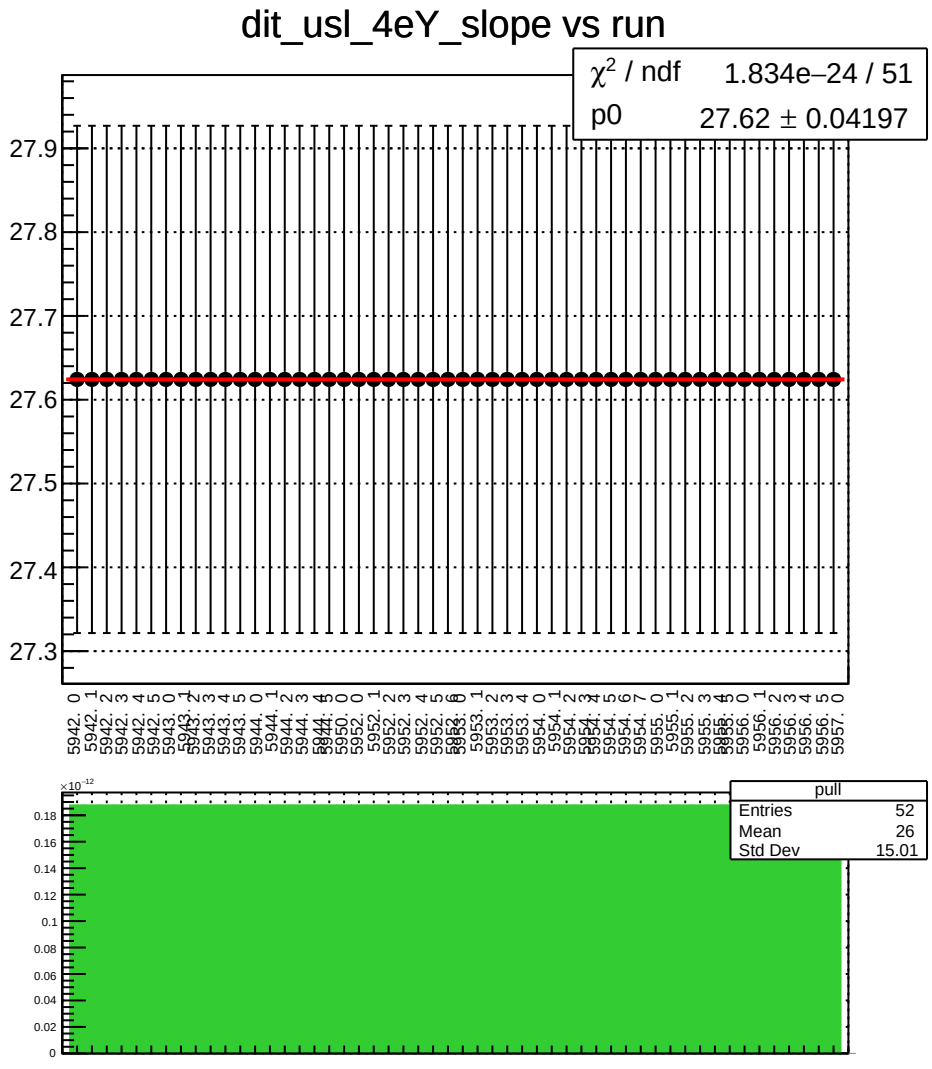

pull1D
Entries 52
Mean 2.12e−14
Std Dev1.121e−21

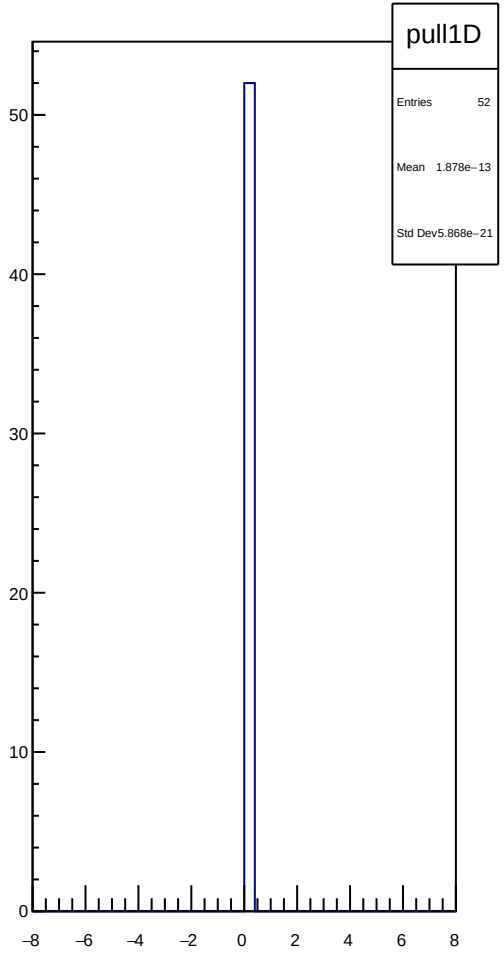

dit_usl_11X12X_slope vs run
χ² / ndf 1.045e−24 / 51
p0 −41.07 ± 0.0695
−40.6
−40.8
−41
−41.2
−41.4
−41.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

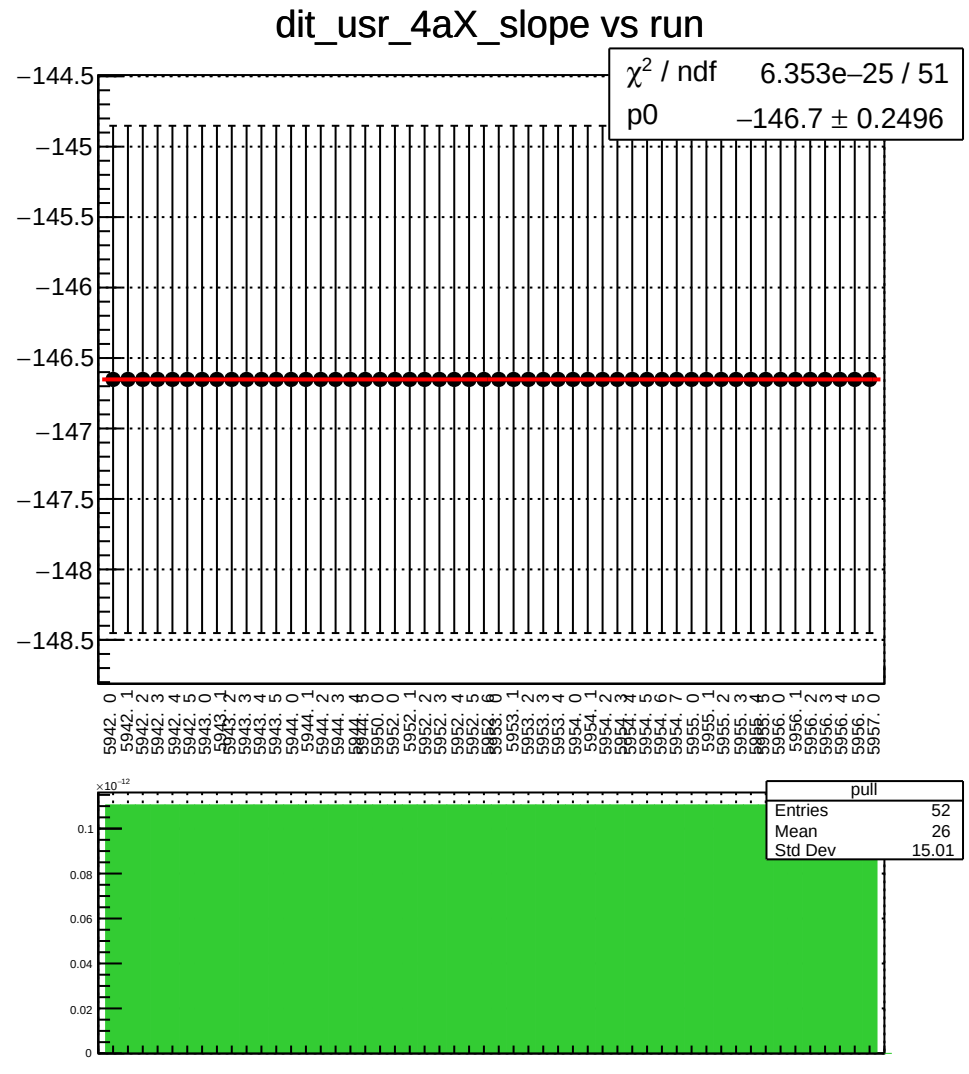

pull1D
Entries 52
Mean 1.418e−13
Std Dev 1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

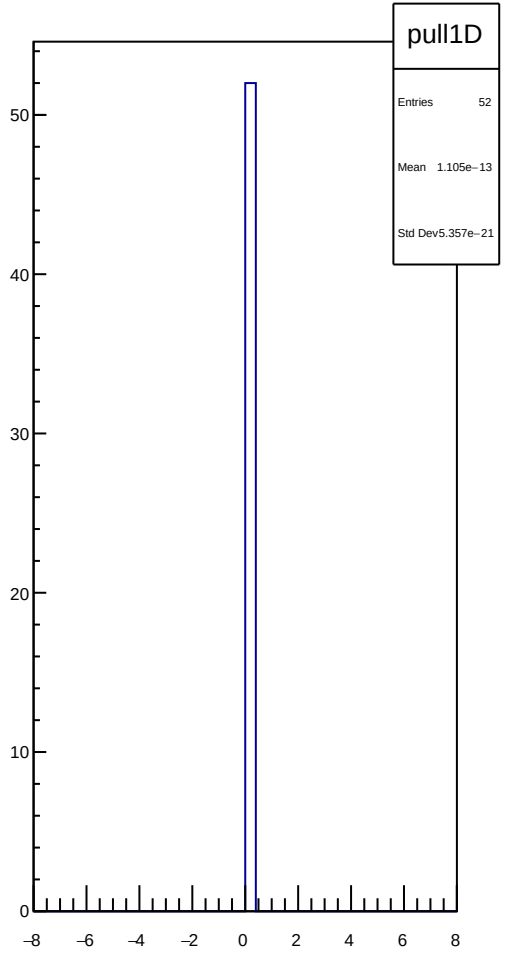

dit_usl_4aY_slope vs run
χ² / ndf 4.863e−27 / 51
p0 −6.787 ± 0.05095
−6.4
−6.5
−6.6
−6.7
−6.8
−6.9
−7
−7.1
−7.2
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−2
−4
−6
−8
−10

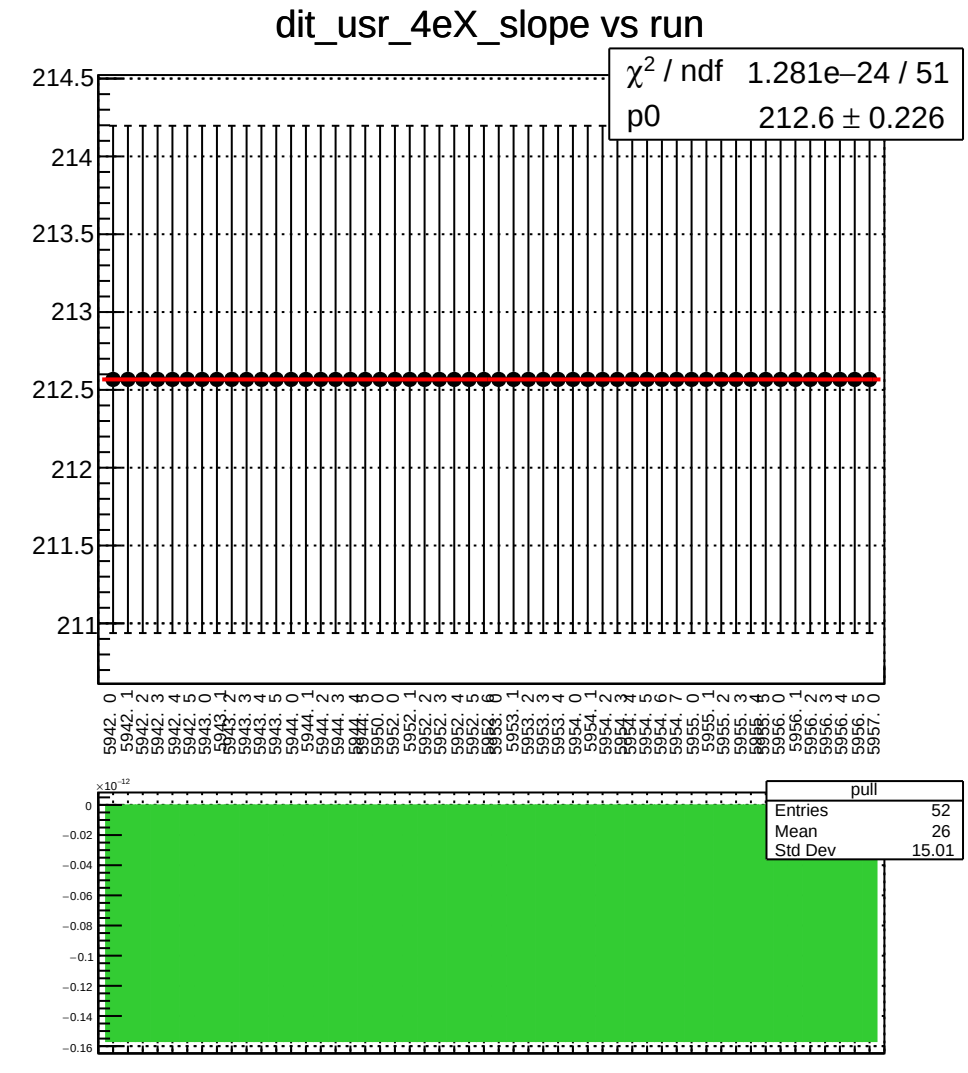

pull1D
Entries 52
Mean −9.671e−15
Std Dev4.235e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

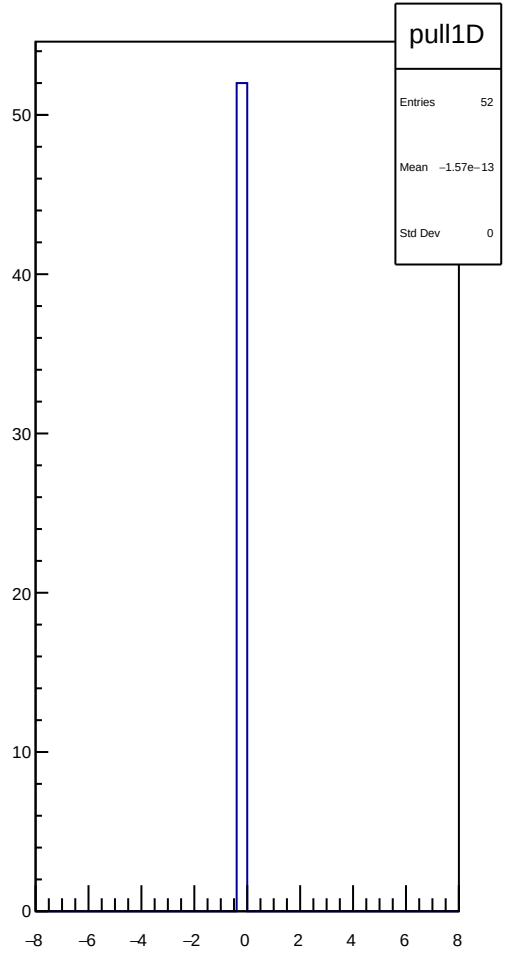

dit_usl_4eY_slope vs run
χ² / ndf 1.834e−24 / 51
p0 27.62 ± 0.04197
27.9
27.8
27.7
27.6
27.5
27.4
27.3
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

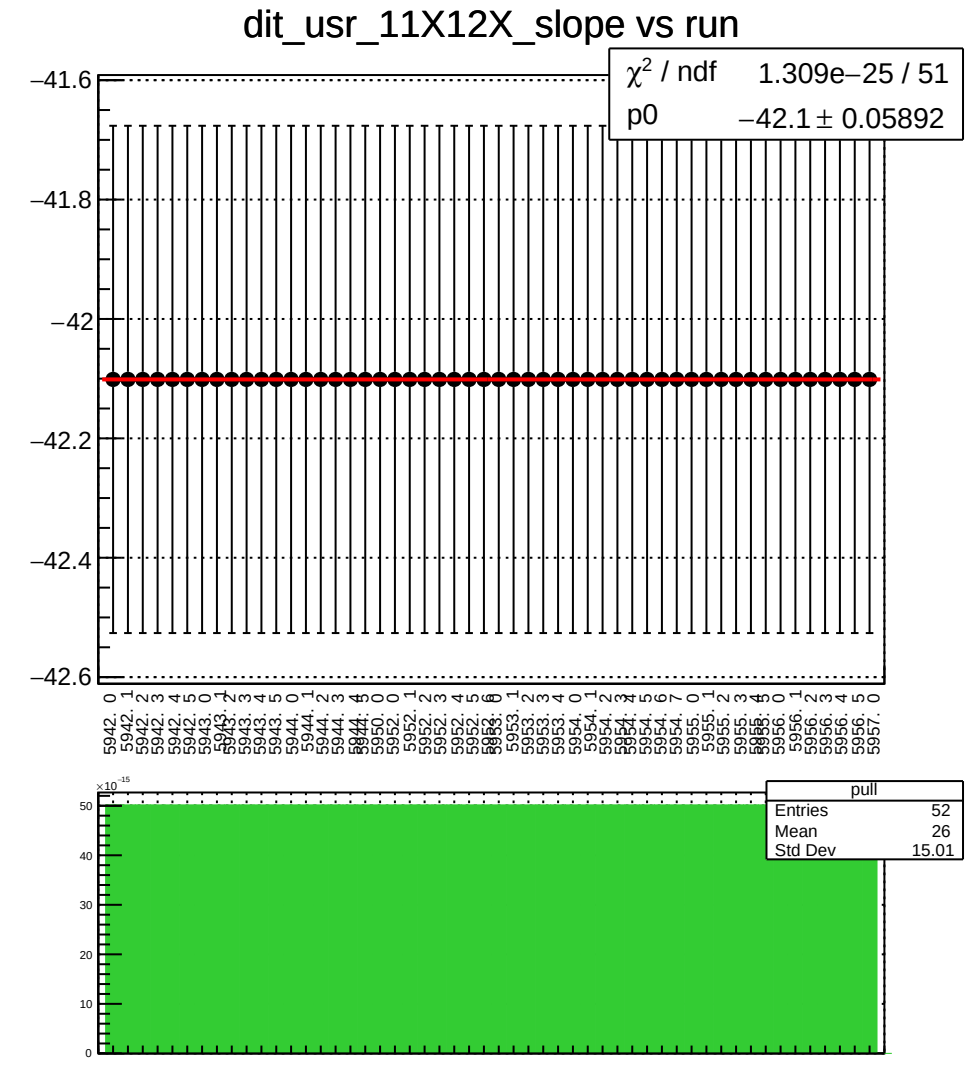

pull1D
Entries 52
Mean 1.878e−13
Std Dev 5.868e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

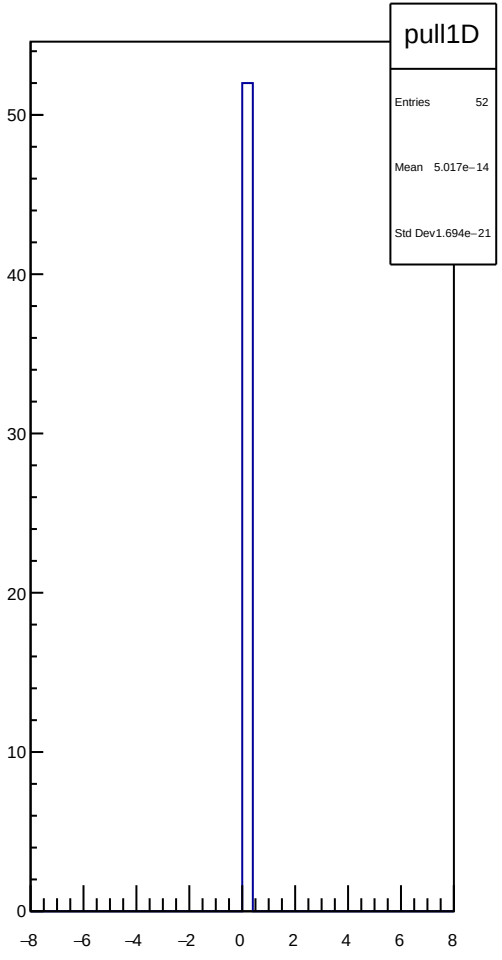

dit_usr_4aX_slope vs run
χ² / ndf 6.353e−25 / 51
p0 −146.7 ± 0.2496
−144.5
−145
−145.5
−146
−146.5
−147
−147.5
−148
−148.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

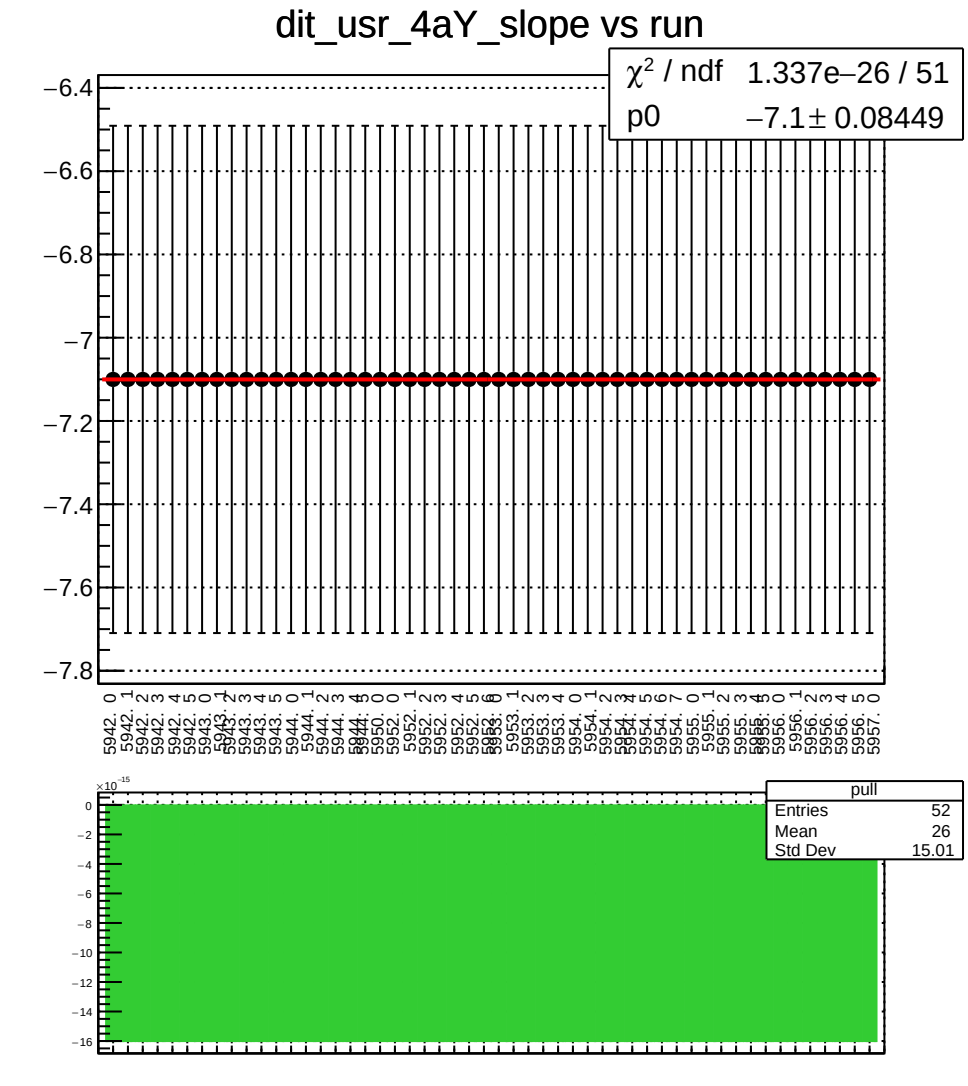

pull1D
Entries 52
Mean 1.105e−13
Std Dev 5.357e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

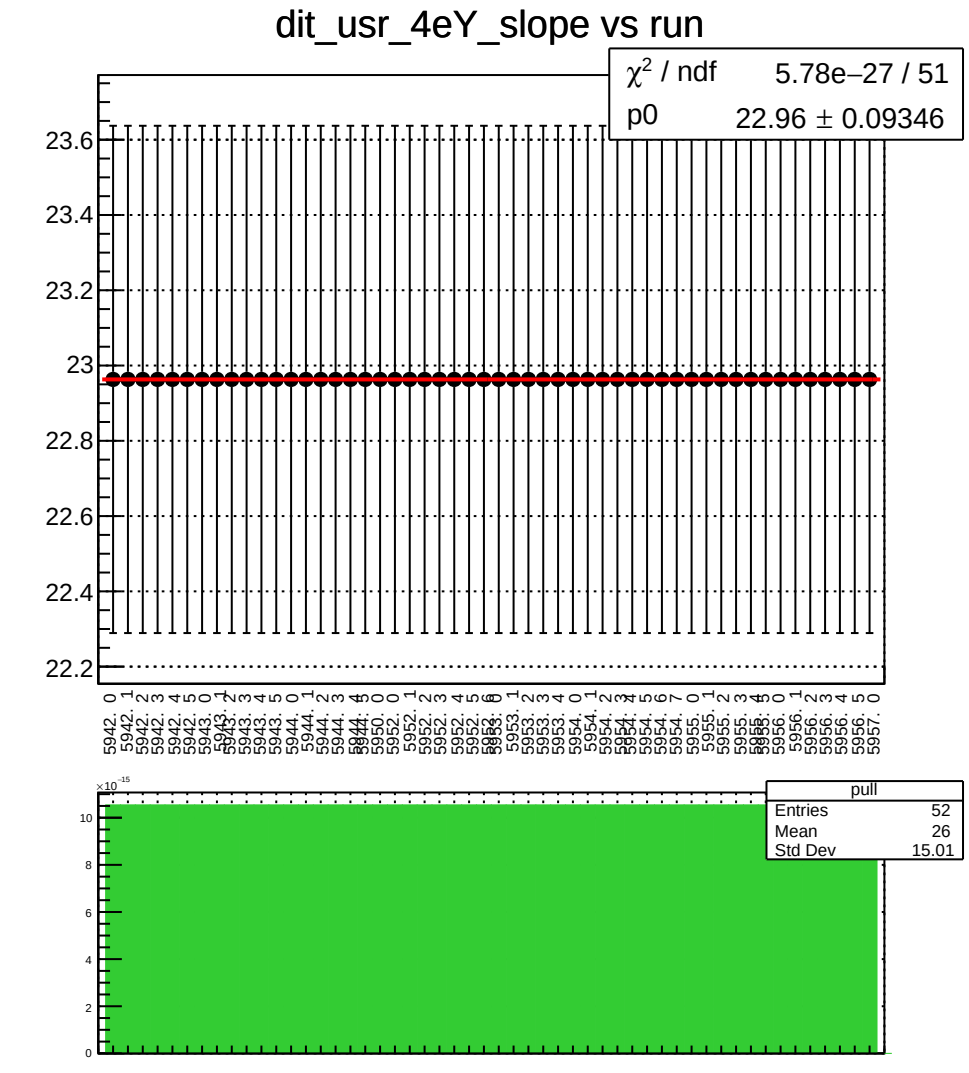

dit_usr_4eX_slope vs run
χ^2 / ndf 1.281e−24 / 51
p0 212.6 ± 0.226
214.5
214
213.5
213
212.5
212
211.5
211
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

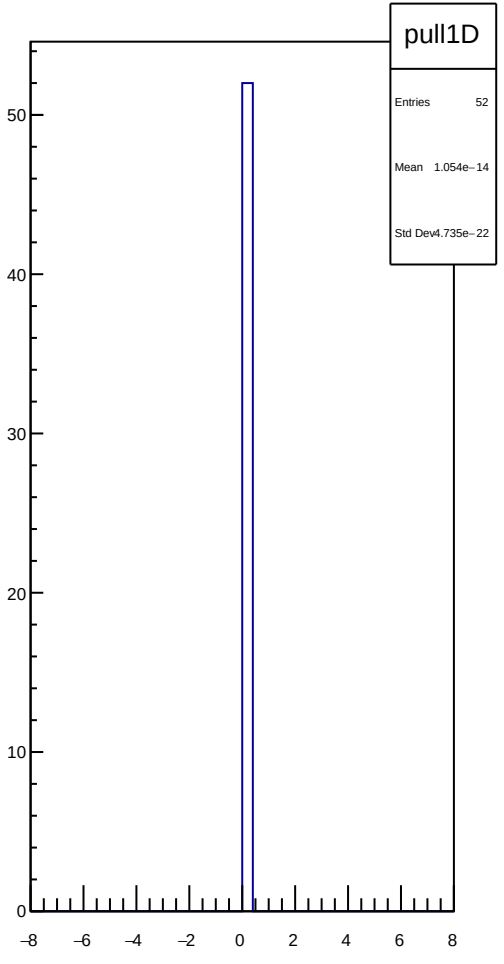

pull1D
Entries 52
Mean −1.57e−13
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

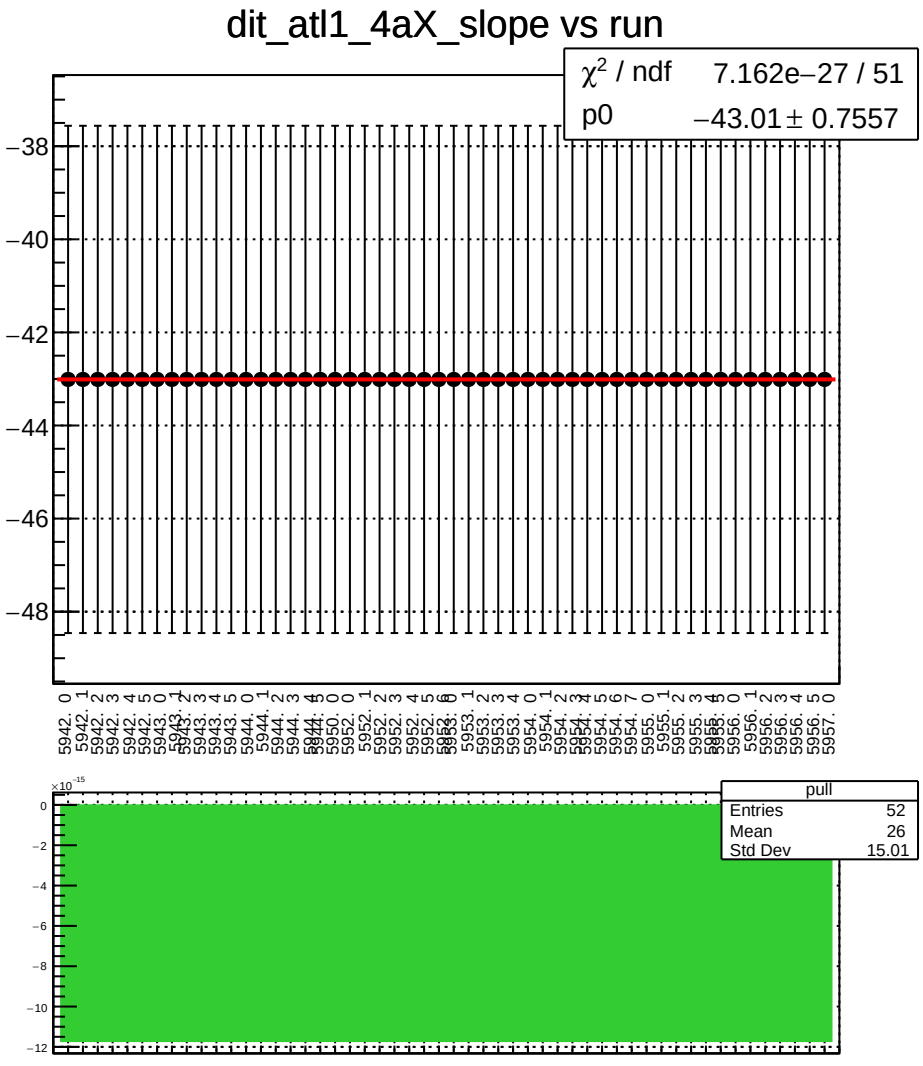

dit_usr_11X12X_slope vs run
χ² / ndf 1.309e−25 / 51
p0 −42.1 ± 0.05892
−41.6
−41.8
−42
−42.2
−42.4
−42.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
50
40
30
20
10
0

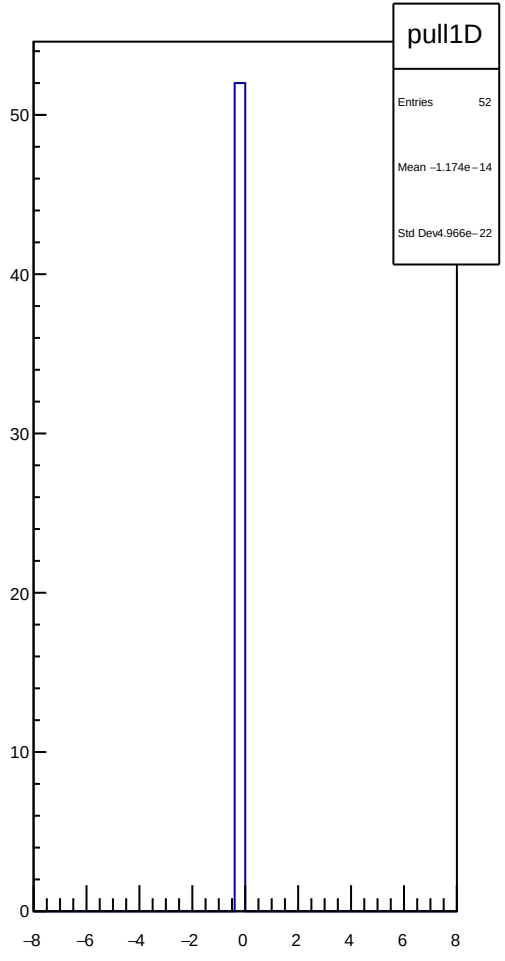

pull1D
Entries 52
Mean 5.017e−14
Std Dev 1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

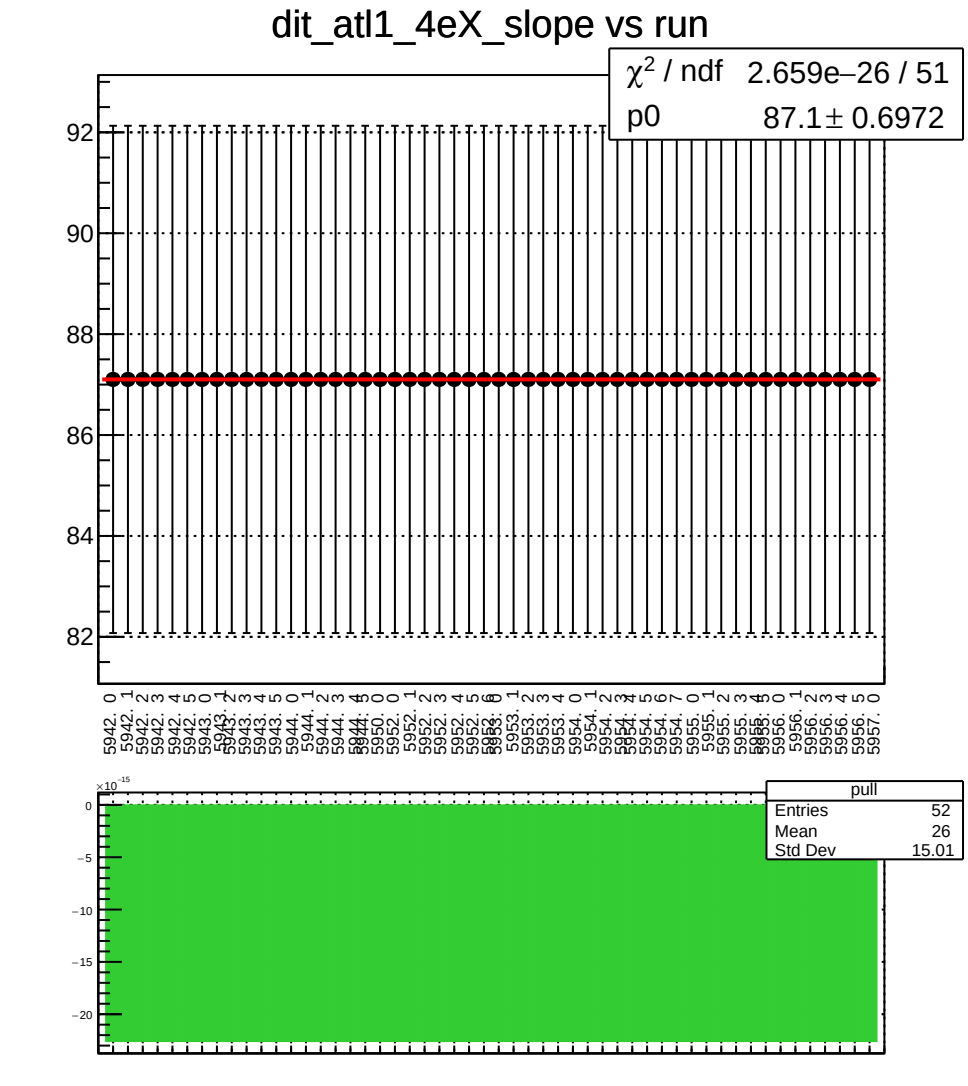

dit_usr_4aY_slope vs run
χ² / ndf 1.337e−26 / 51
p0 −7.1 ± 0.08449
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 52
Mean 26
Std Dev 15.01
pull1D
Entries 52
Mean −1.604e−14
Std Dev 5.187e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

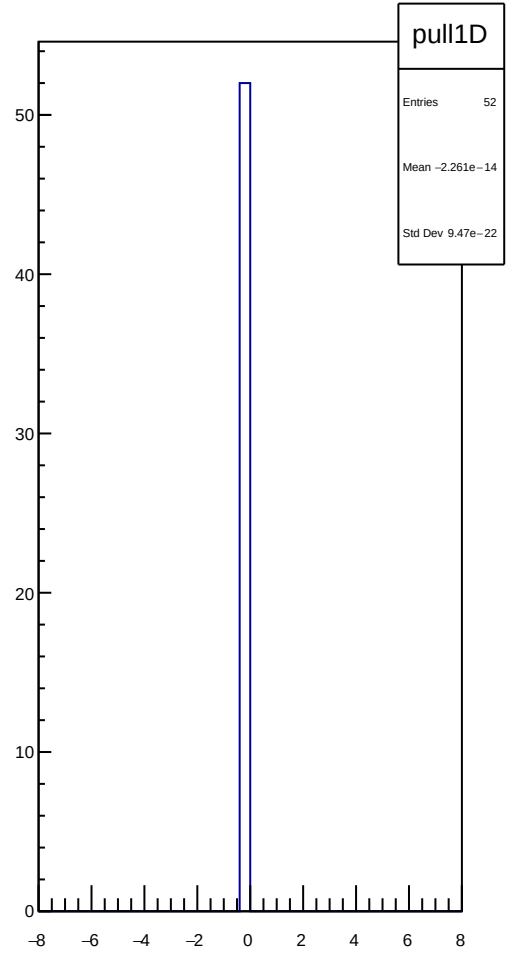

dit_usr_4eY_slope vs run
χ² / ndf 5.78e−27 / 51
p0 22.96 ± 0.09346
23.6
23.4
23.2
23
22.8
22.6
22.4
22.2
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
10
8
6
4
2
0

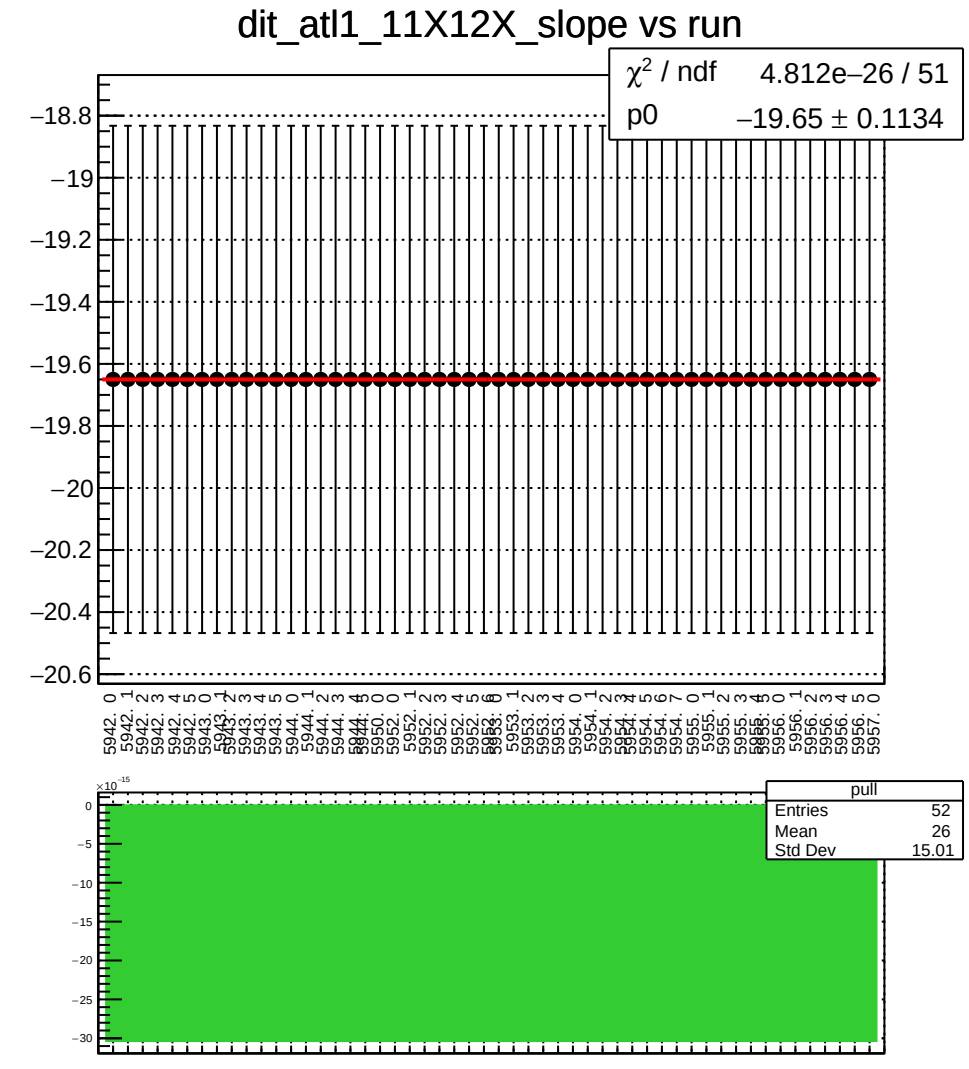

pull1D
Entries 52
Mean 1.054e−14
Std Dev4.735e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

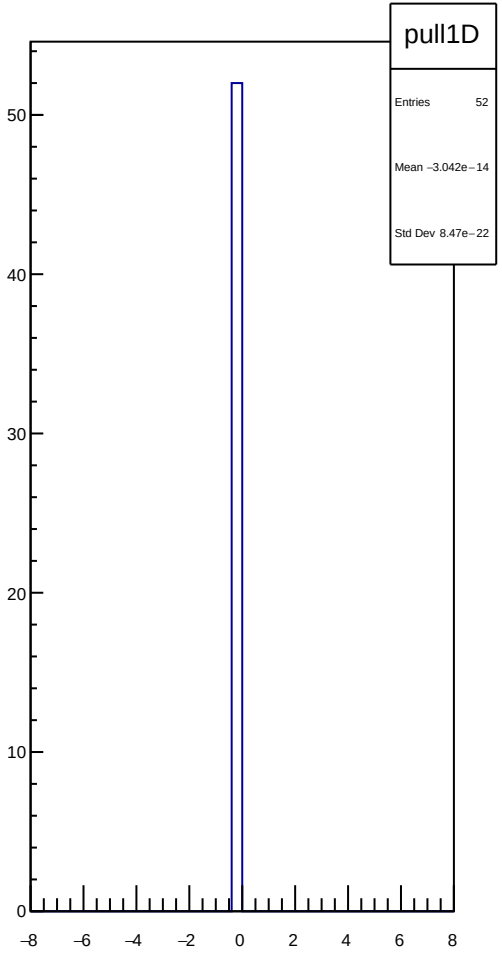

dit_atl1_4aX_slope vs run
χ² / ndf 7.162e−27 / 51
p0 −43.01 ± 0.7557
−38
−40
−42
−44
−46
−48
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

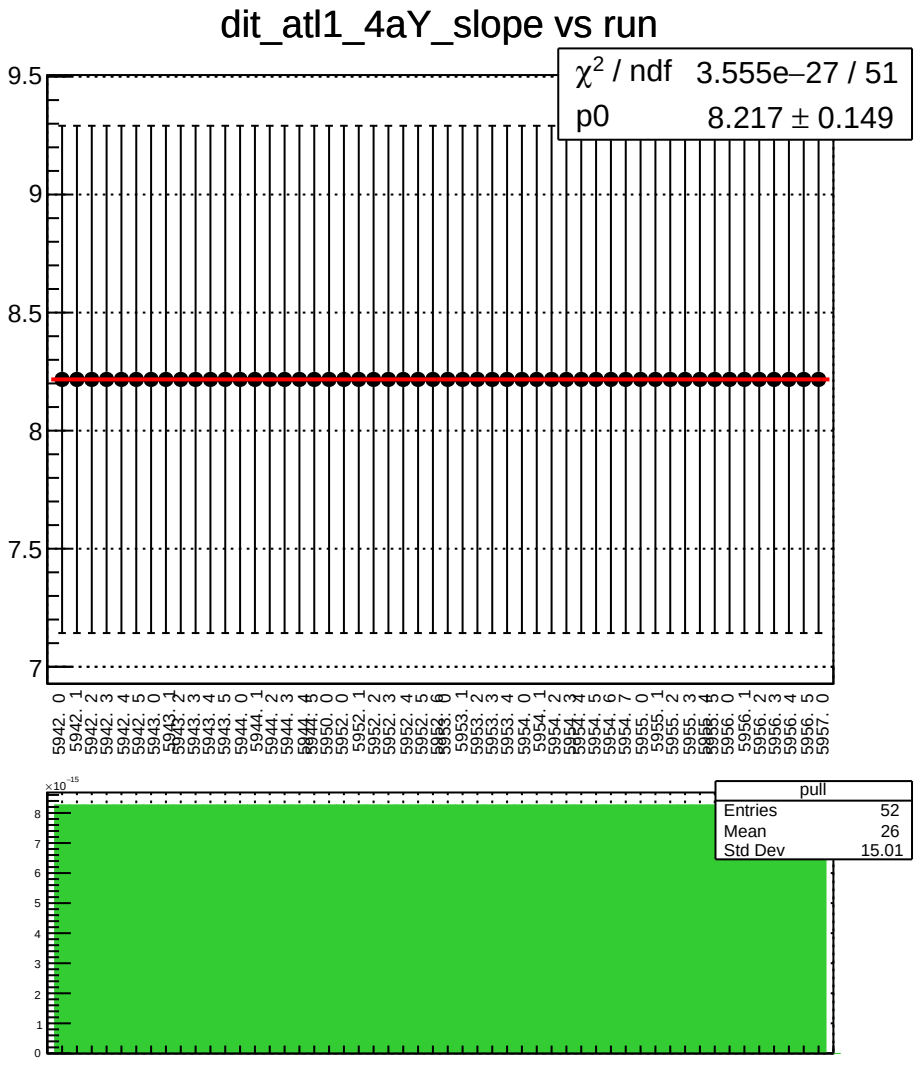

pull1D
Entries 52
Mean −1.174e−14
Std Dev4.966e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

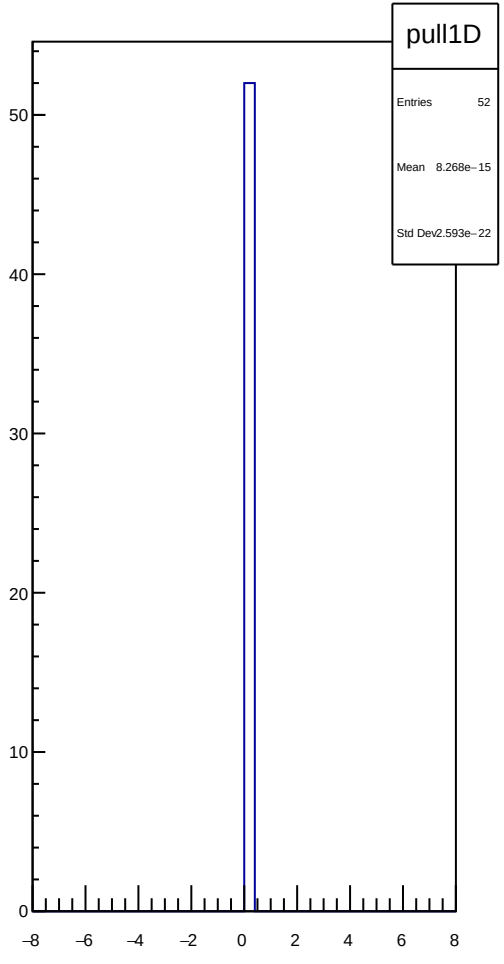

dit_atl1_4eX_slope vs run
χ² / ndf 2.659e−26 / 51
p0 87.1 ± 0.6972
92
90
88
86
84
82
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−5
−10
−15
−20

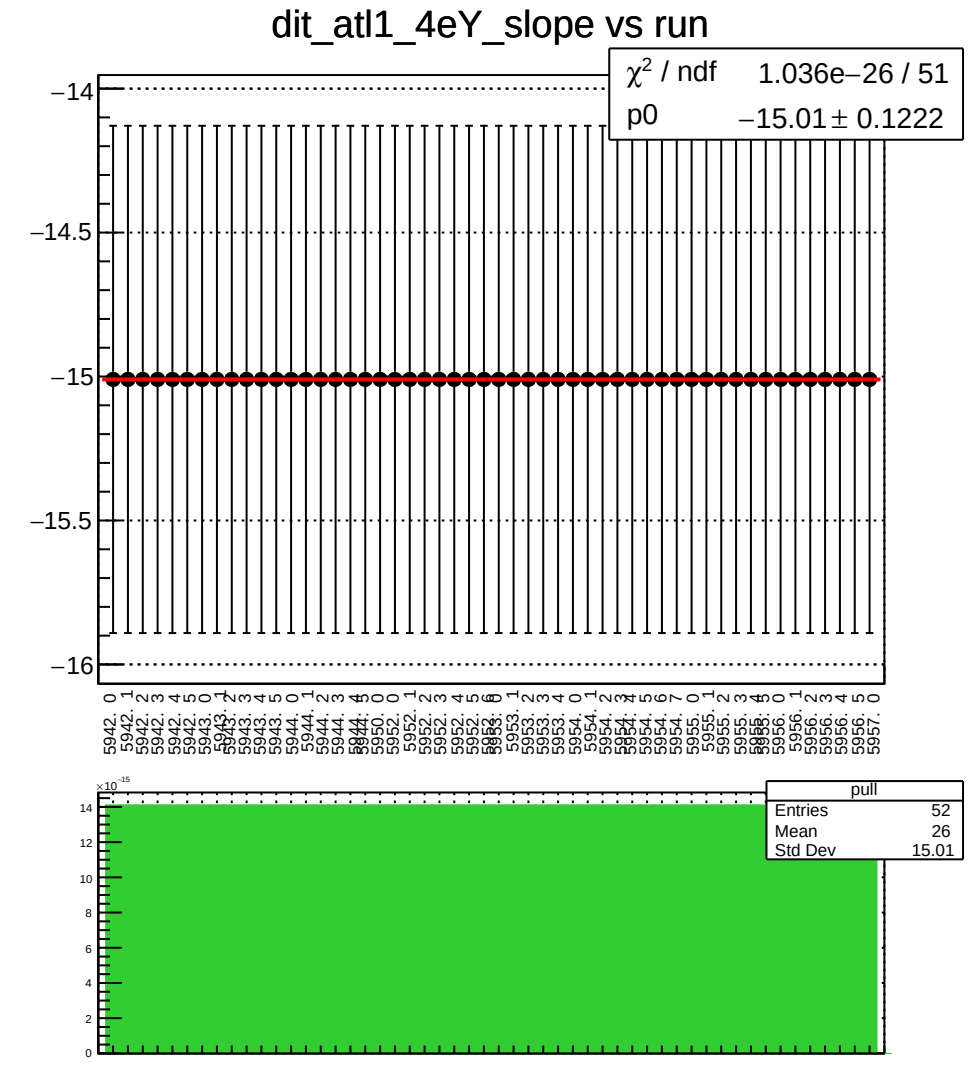

pull1D
Entries 52
Mean −2.261e−14
Std Dev 9.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

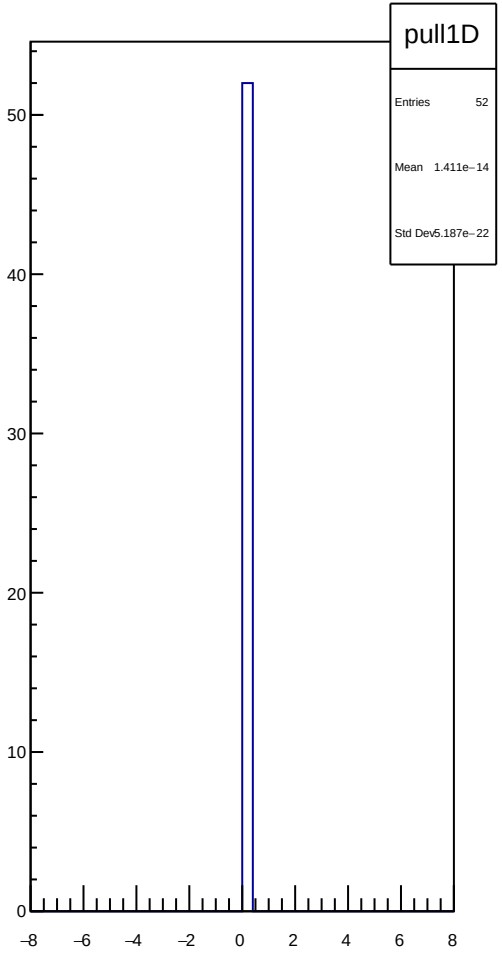

dit_atl1_11X12X_slope vs run
χ² / ndf 4.812e−26 / 51
p0 −19.65 ± 0.1134
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

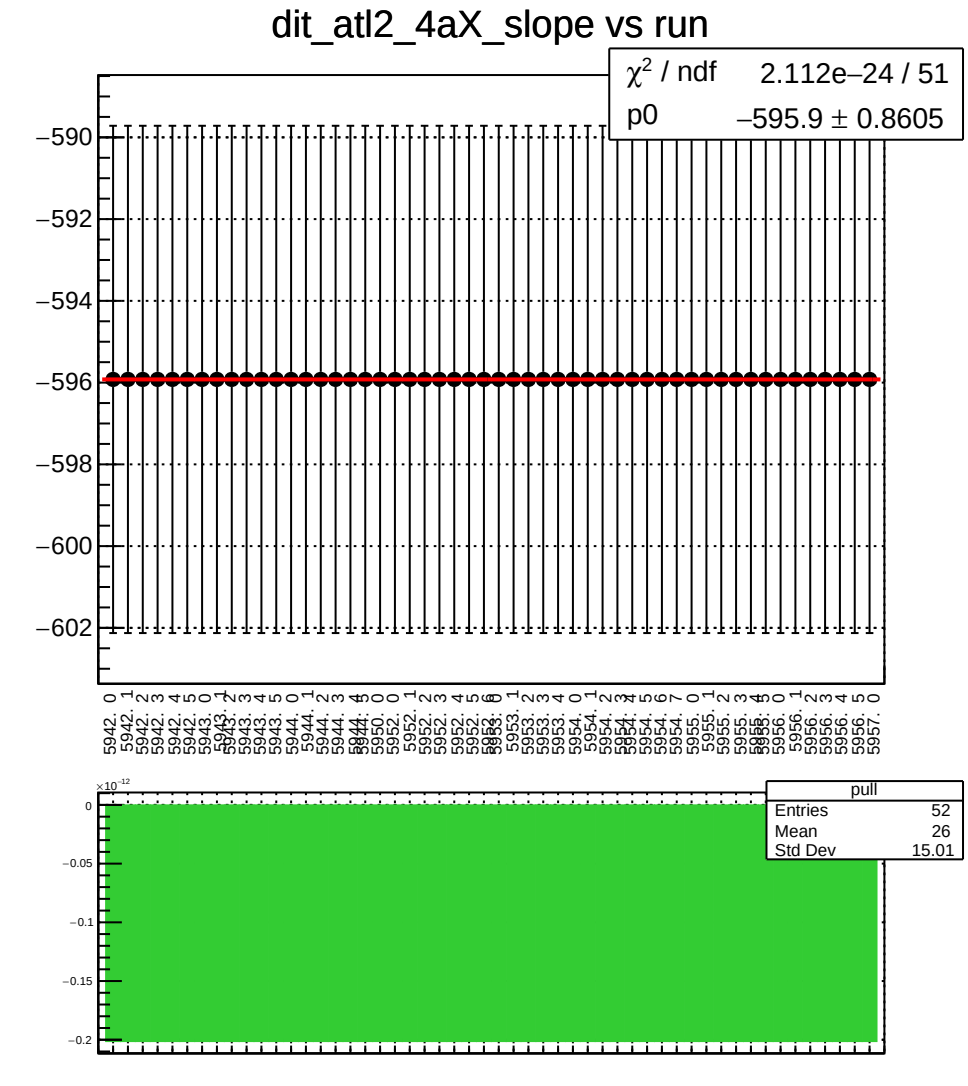

pull1D
Entries 52
Mean −3.042e−14
Std Dev 8.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

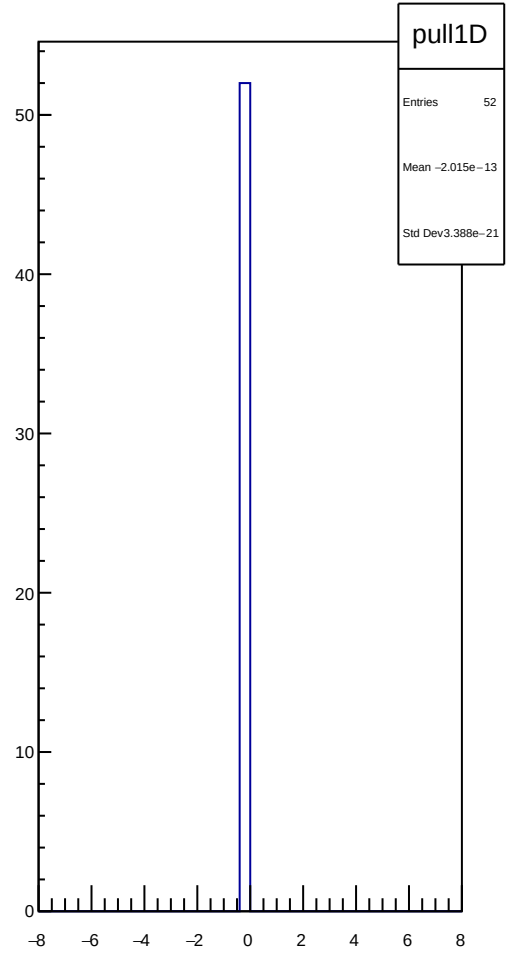

dit_atl1_4aY_slope vs run
χ^2 / ndf 3.555e−27 / 51
p0 8.217 ± 0.149
pull
Entries 52
Mean 26
Std Dev 15.01

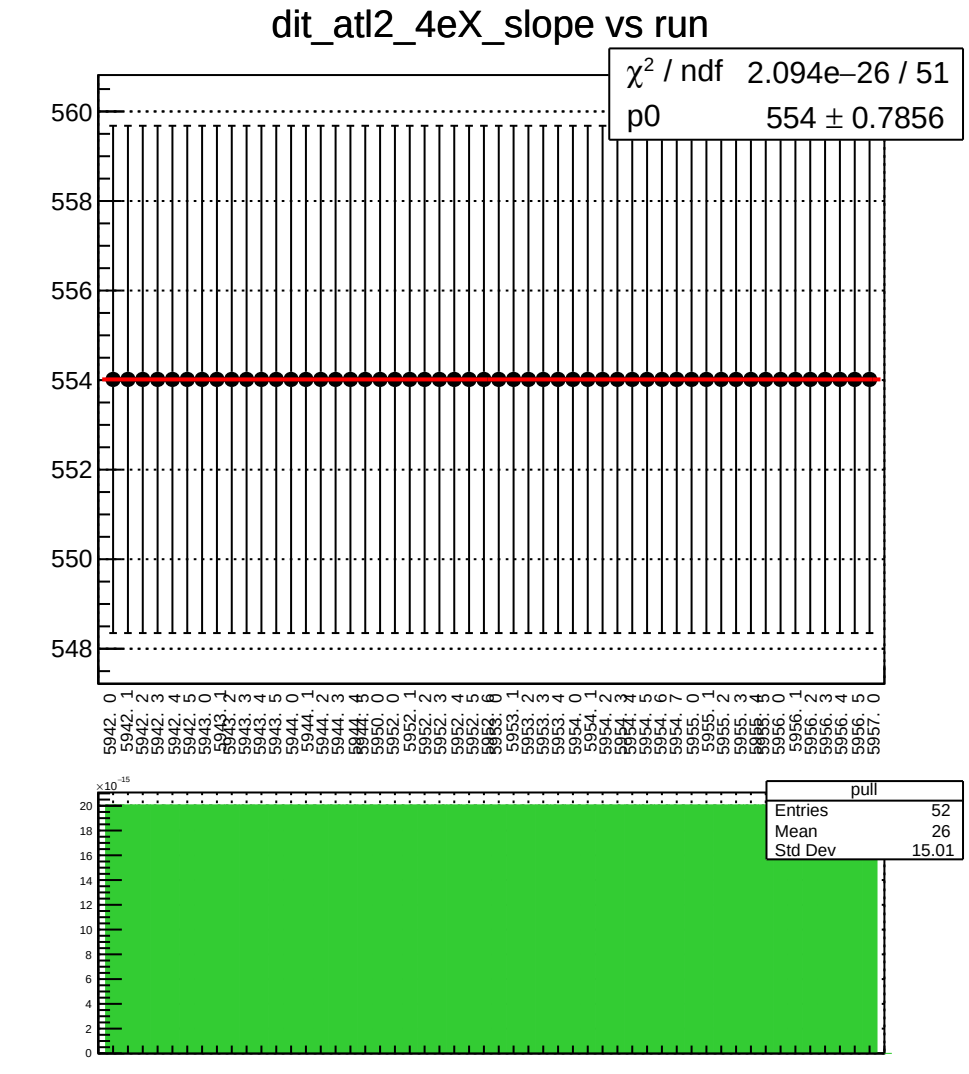

pull1D
Entries 52
Mean 8.268e−15
Std Dev 2.593e−22

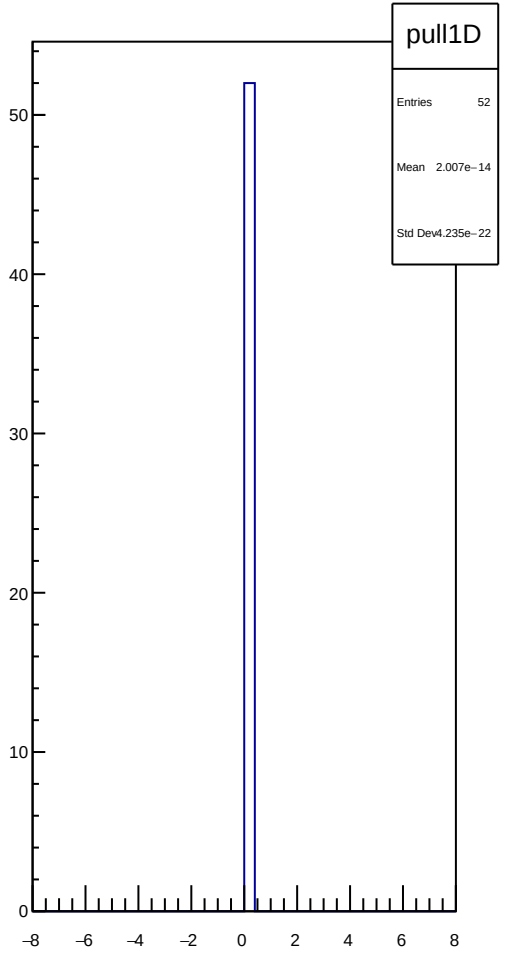

dit_atl1_4eY_slope vs run
χ² / ndf 1.036e−26 / 51
p0 −15.01 ± 0.1222
−14
−14.5
−15
−15.5
−16
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

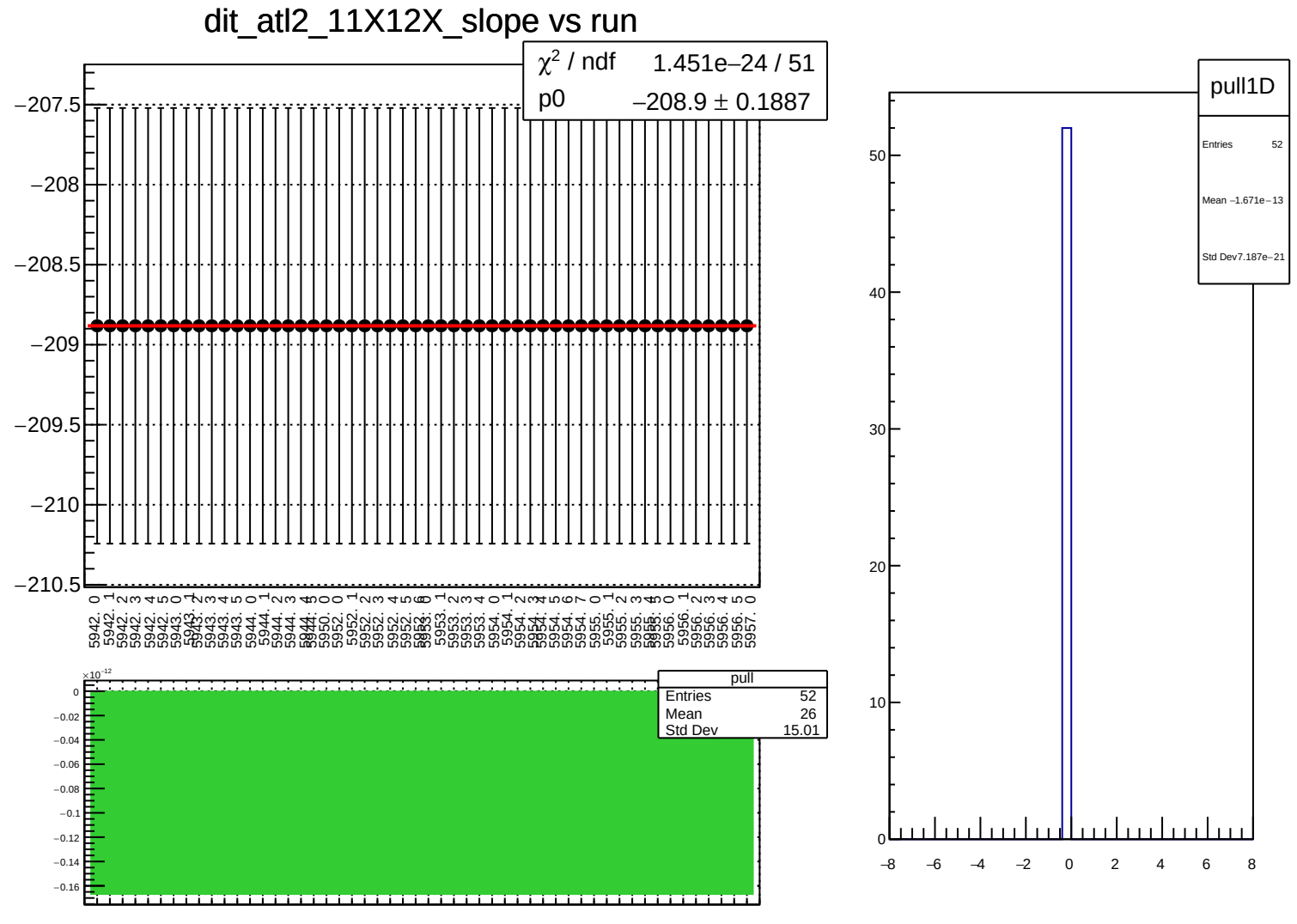

pull1D
Entries 52
Mean 1.411e−14
Std Dev 5.187e−22

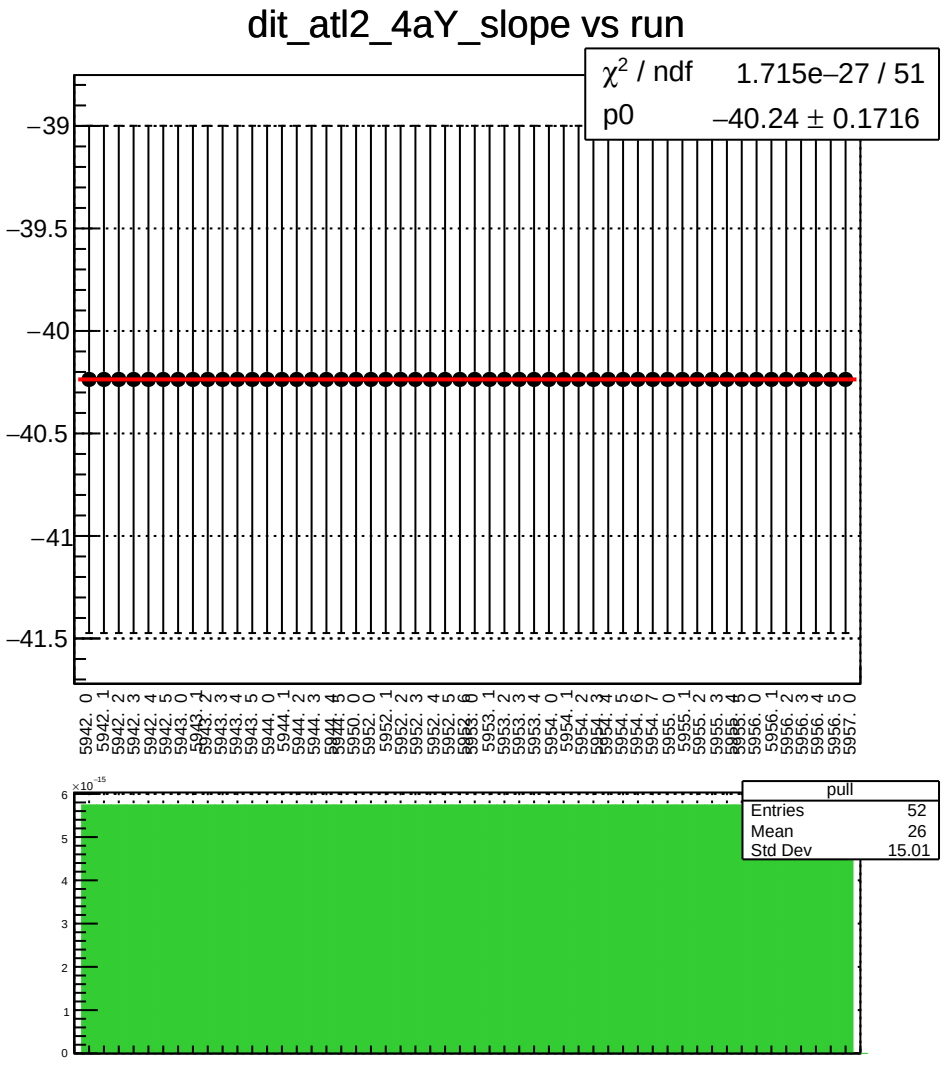

dit_atl2_4aX_slope vs run
χ² / ndf 2.112e−24 / 51
p0 −595.9 ± 0.8605
−590
−592
−594
−596
−598
−600
−602
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

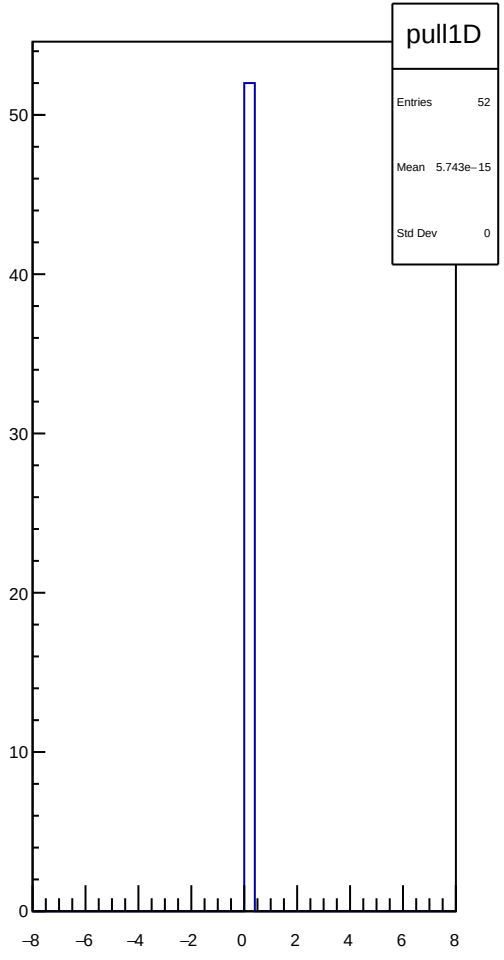

pull1D
Entries 52
Mean −2.015e−13
Std Dev3.388e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

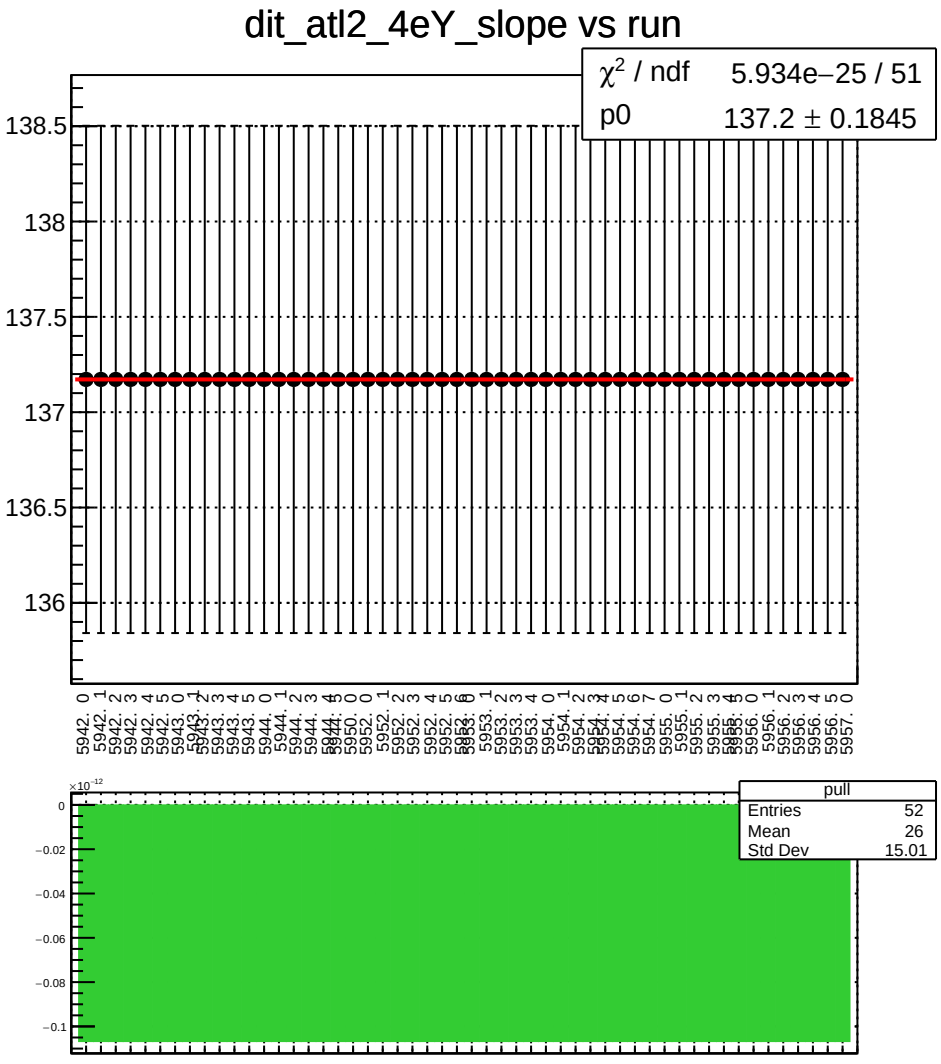

dit_atl2_4eX_slope vs run
χ² / ndf 2.094e−26 / 51
p0 554 ± 0.7856
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

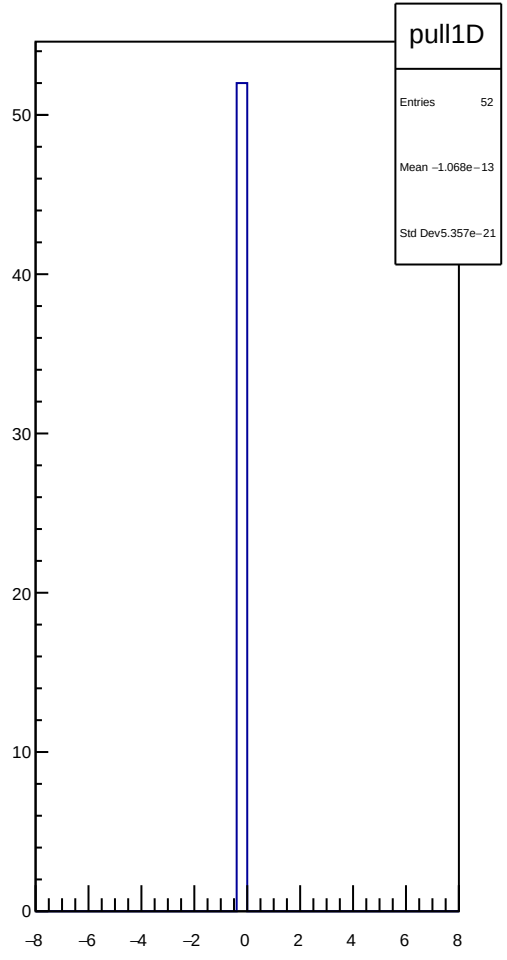

pull1D
Entries 52
Mean 2.007e−14
Std Dev4.235e−22

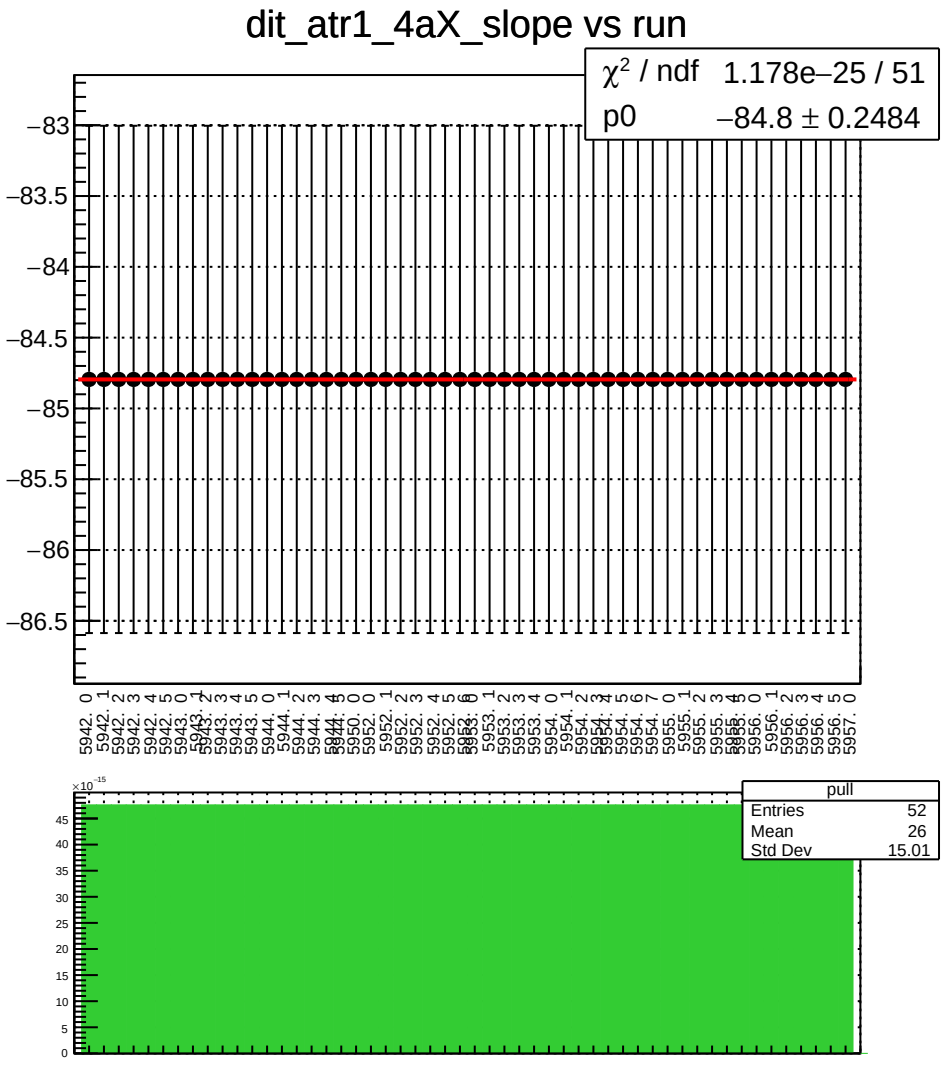

dit_atl2_11X12X_slope vs run
χ² / ndf 1.451e−24 / 51
p0 −208.9 ± 0.1887
−207.5
−208
−208.5
−209
−209.5
−210
−210.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 52
Mean −1.671e−13
Std Dev7.187e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

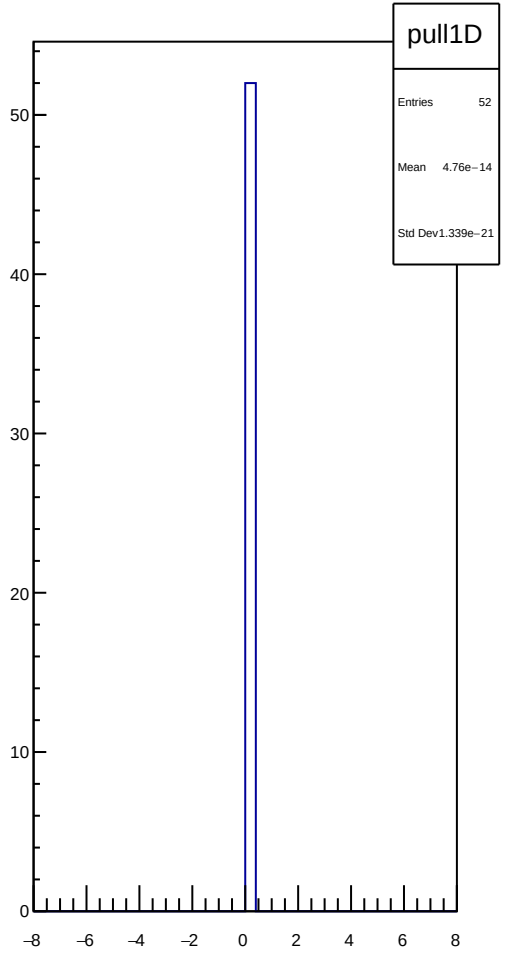

dit_atl2_4aY_slope vs run
χ² / ndf 1.715e−27 / 51
p0 −40.24 ± 0.1716
−39
−39.5
−40
−40.5
−41
−41.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

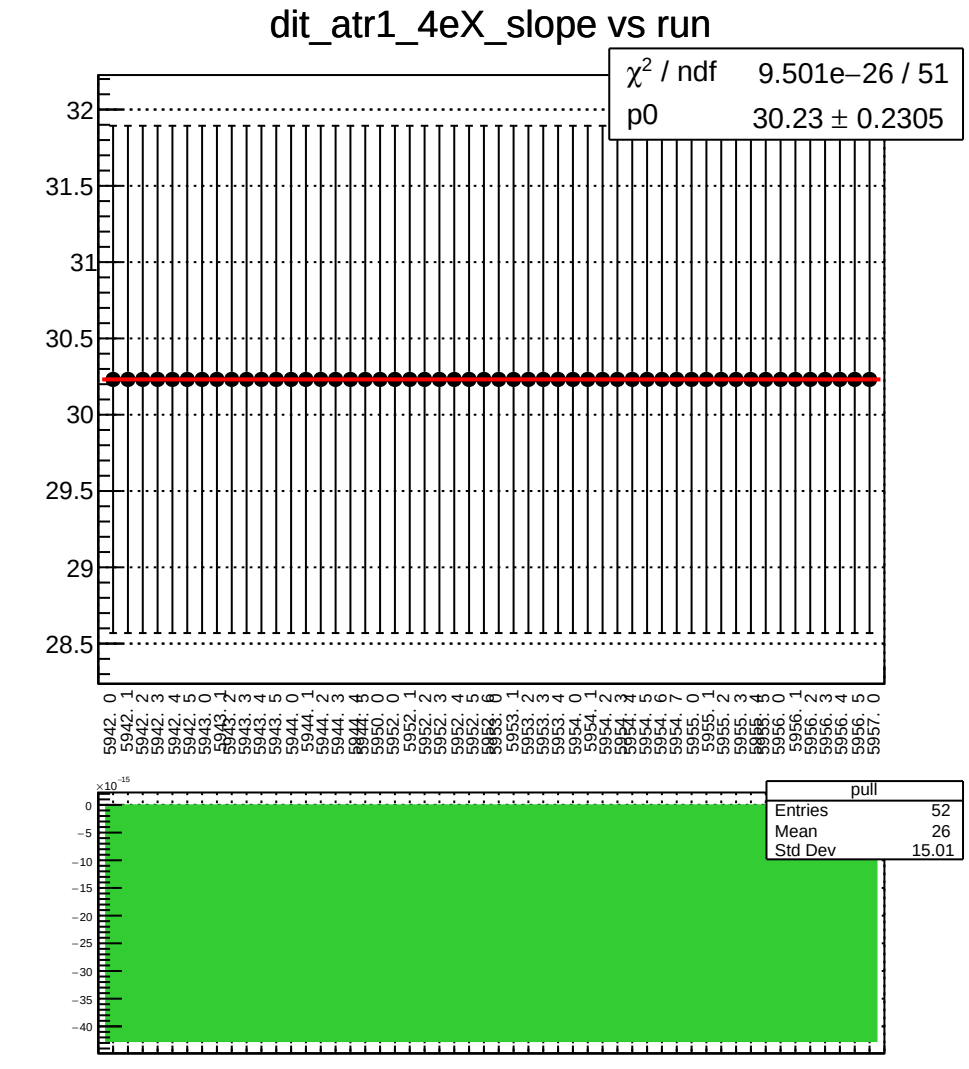

pull1D
Entries 52
Mean 5.743e−15
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

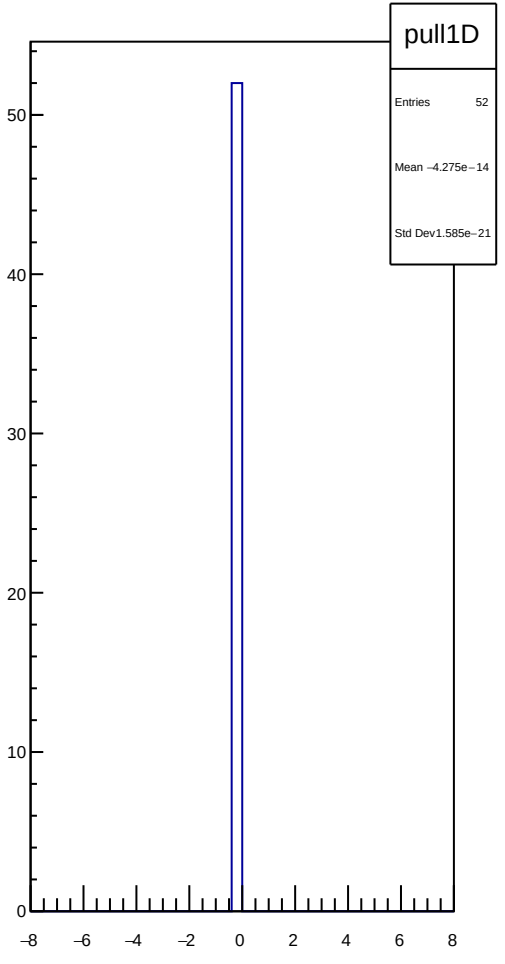

dit_atl2_4eY_slope vs run
χ² / ndf 5.934e−25 / 51
p0 137.2 ± 0.1845
138.5
138
137.5
137
136.5
136
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

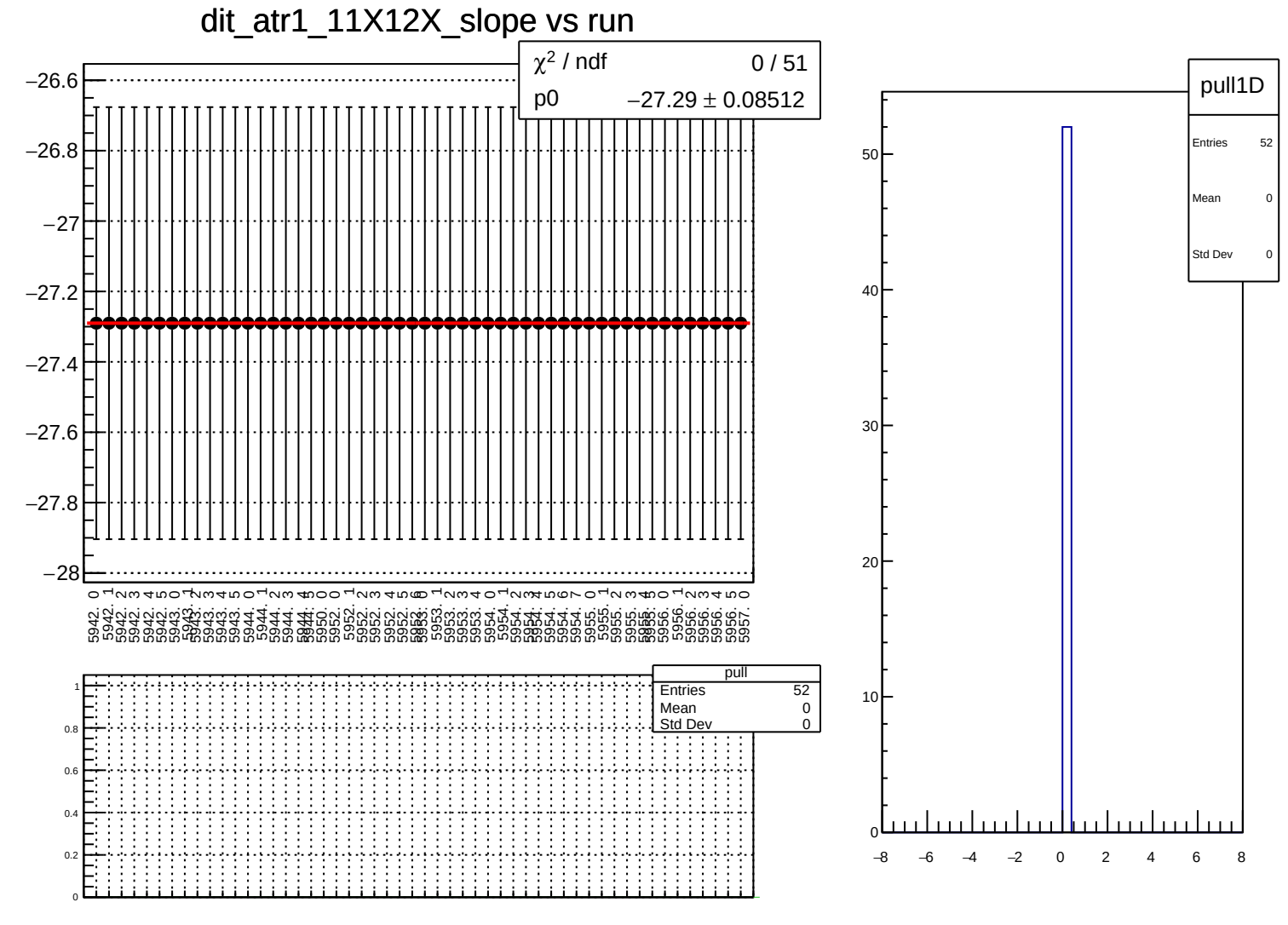

pull1D
Entries 52
Mean −1.068e−13
Std Dev 5.357e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

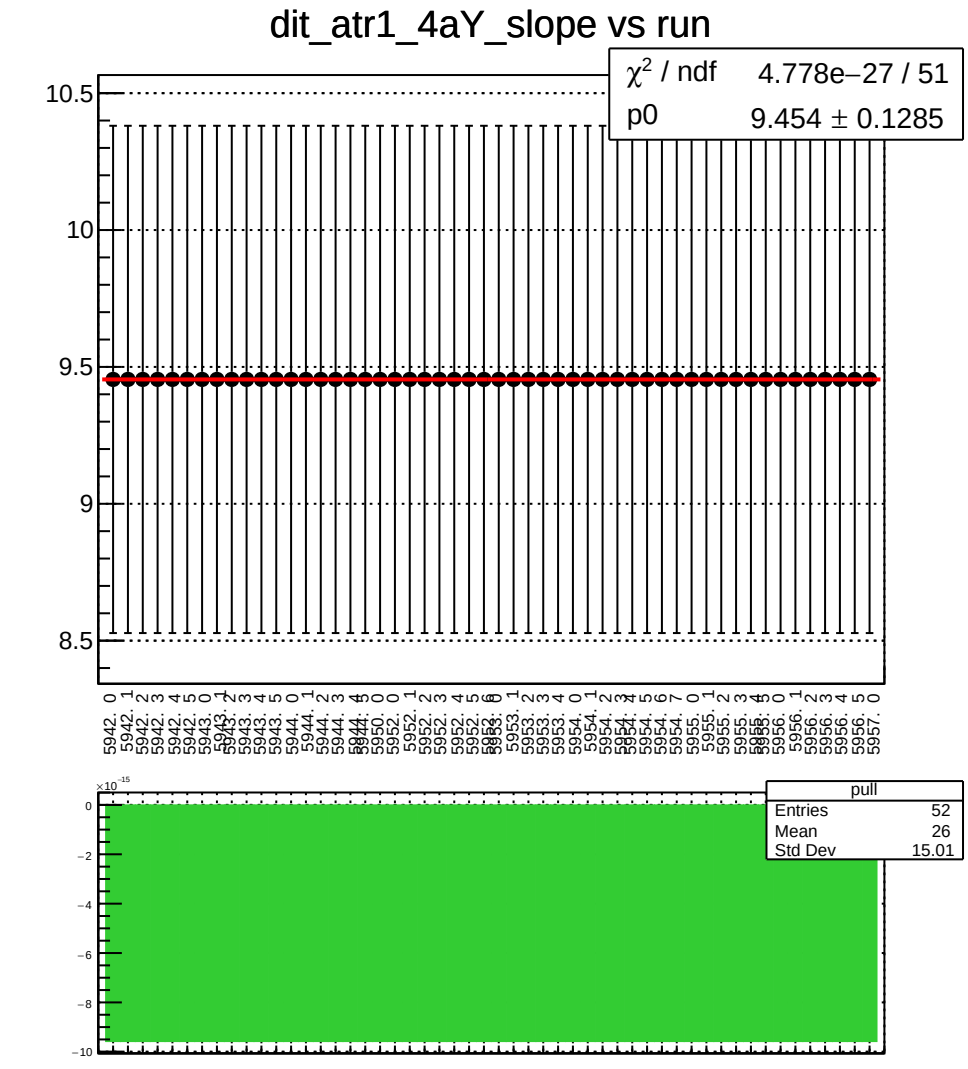

dit_atr1_4aX_slope vs run
χ² / ndf 1.178e−25 / 51
p0 −84.8 ± 0.2484
−83
−83.5
−84
−84.5
−85
−85.5
−86
−86.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

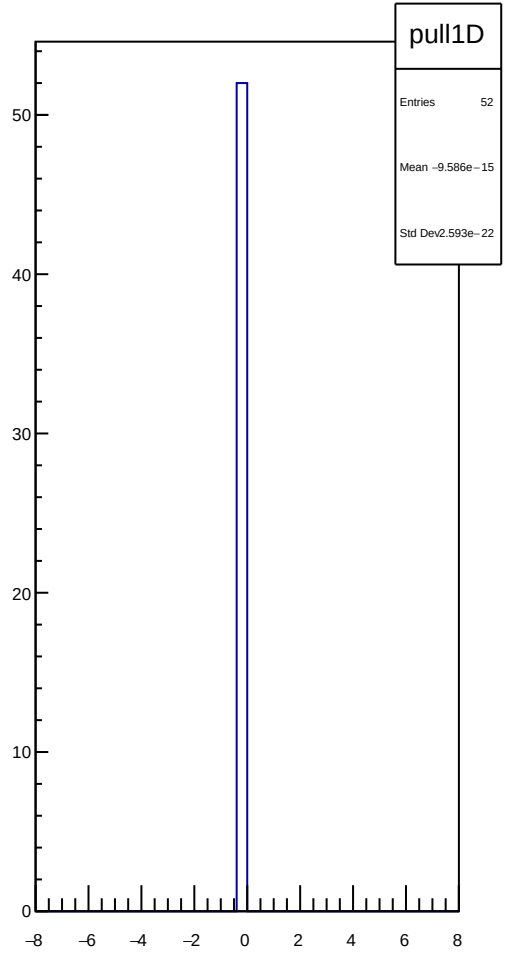

pull1D
Entries 52
Mean 4.76e−14
Std Dev 1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

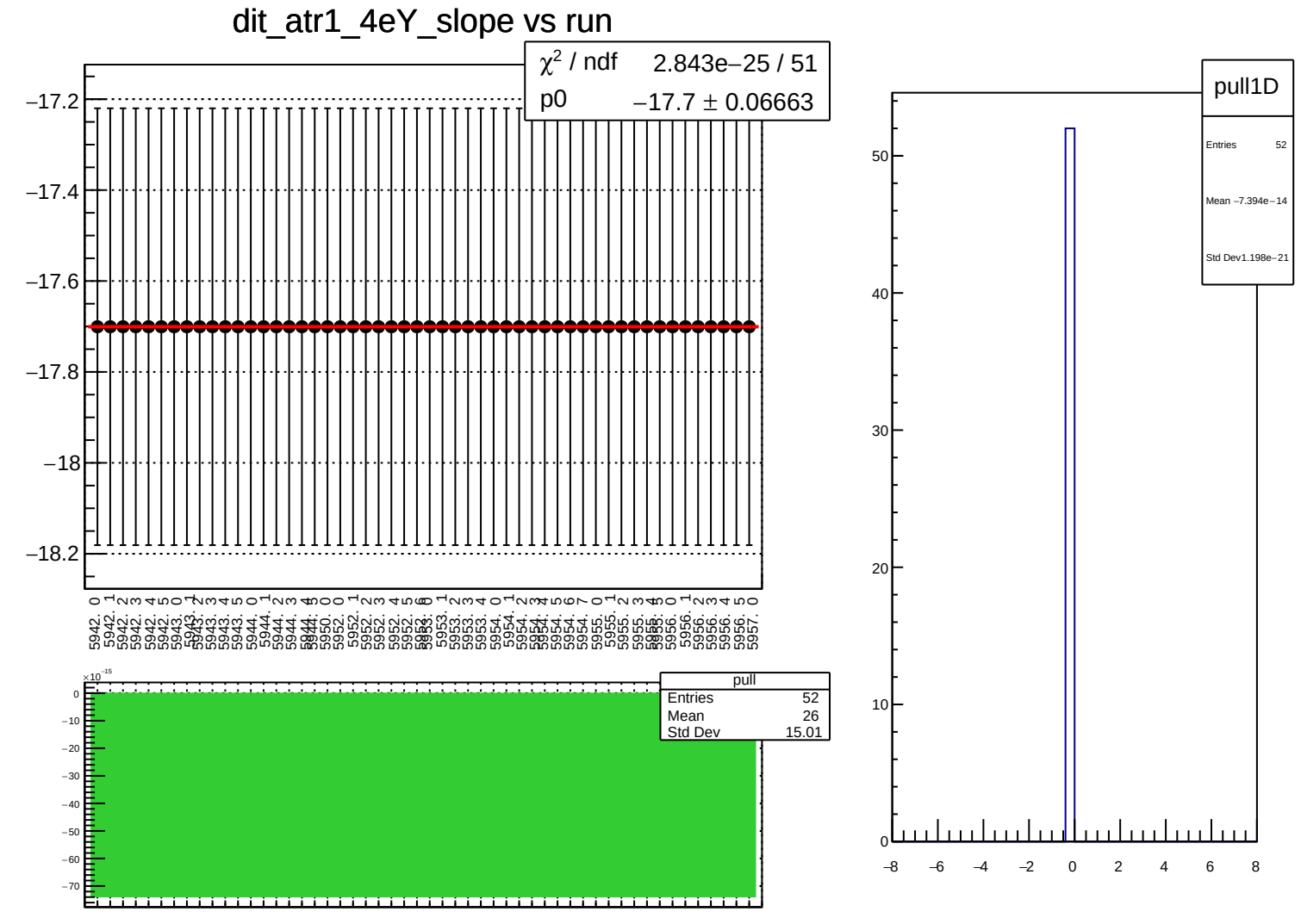

dit_atr1_4eX_slope vs run
χ² / ndf 9.501e−26 / 51
p0 30.23 ± 0.2305
pull
Entries 52
Mean 26
Std Dev 15.01

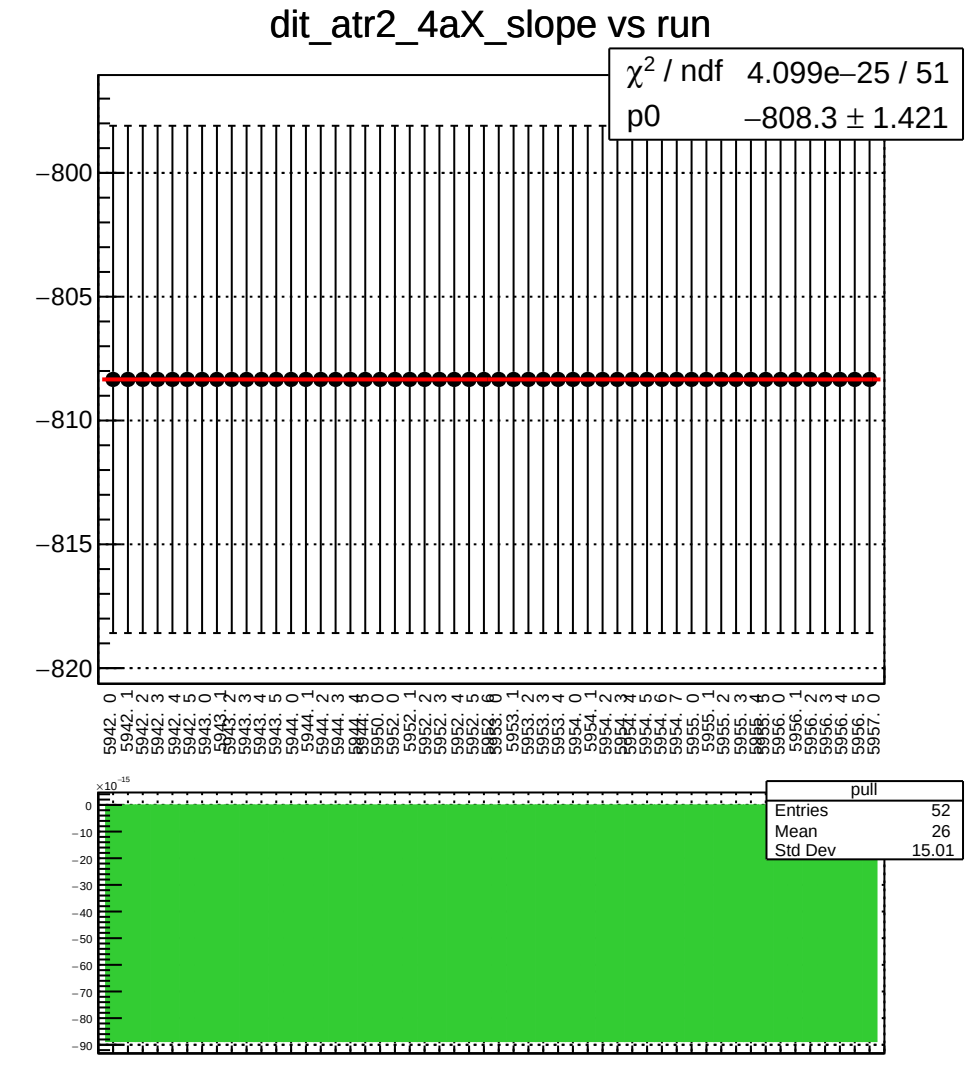

pull1D
Entries 52
Mean −4.275e−14
Std Dev1.585e−21

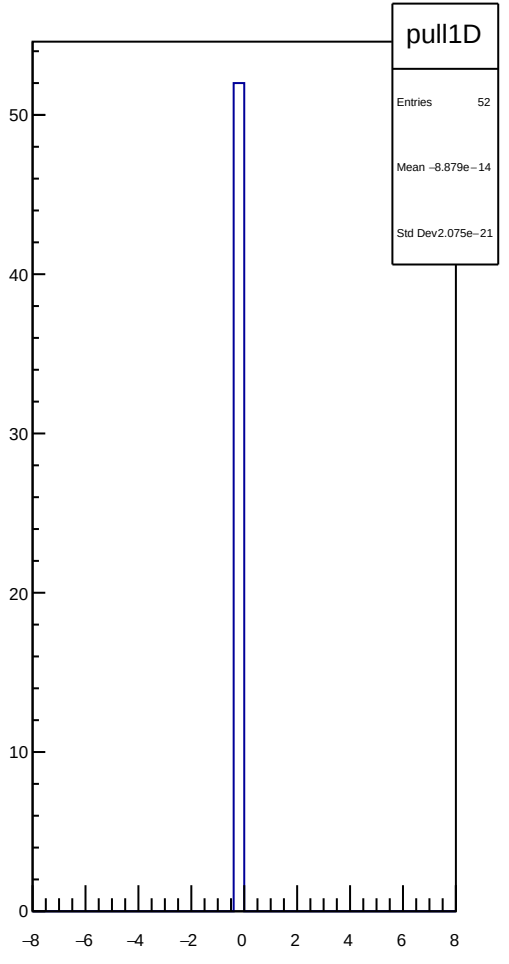

dit_atr1_11X12X_slope vs run
χ² / ndf 0 / 51
p0 −27.29 ± 0.08512
pull
Entries 52
Mean 0
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

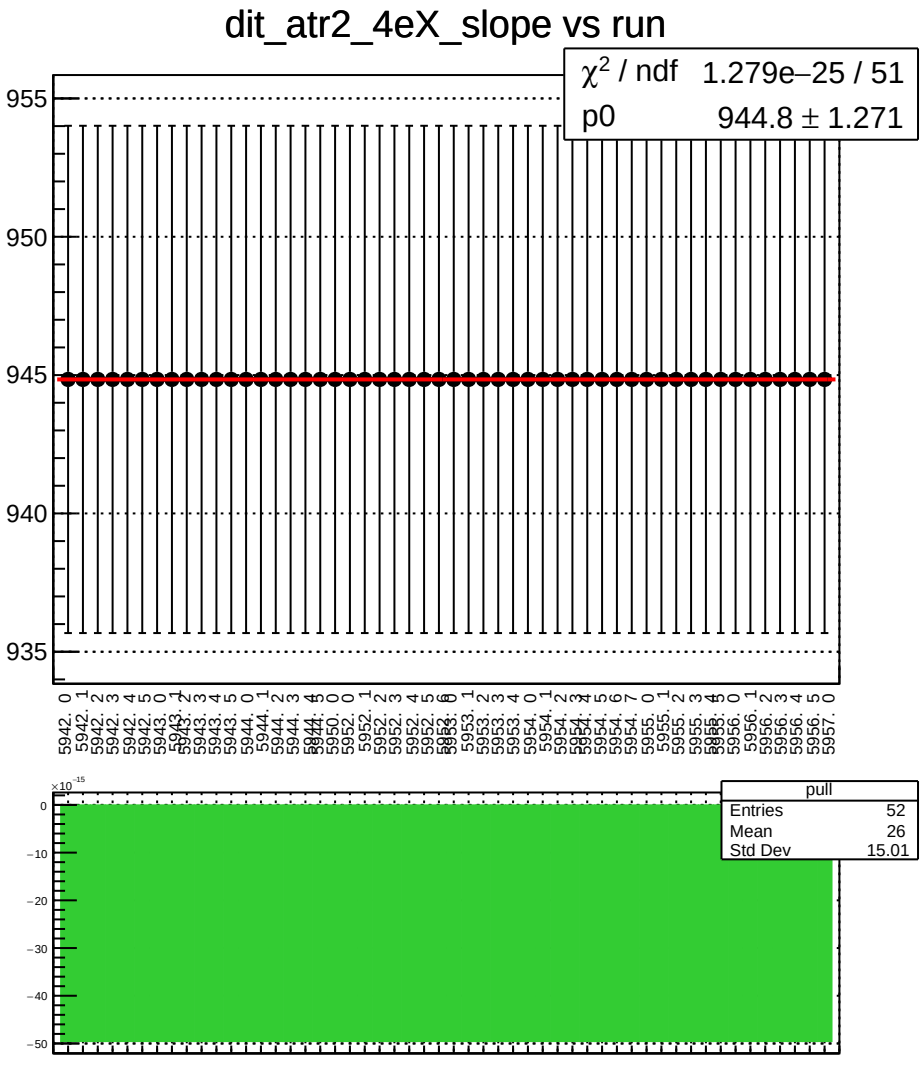

dit_atr1_4aY_slope vs run
χ^2 / ndf 4.778e−27 / 51
p0 9.454 ± 0.1285
10.5
10
9.5
9
8.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−2
−4
−6
−8
−10

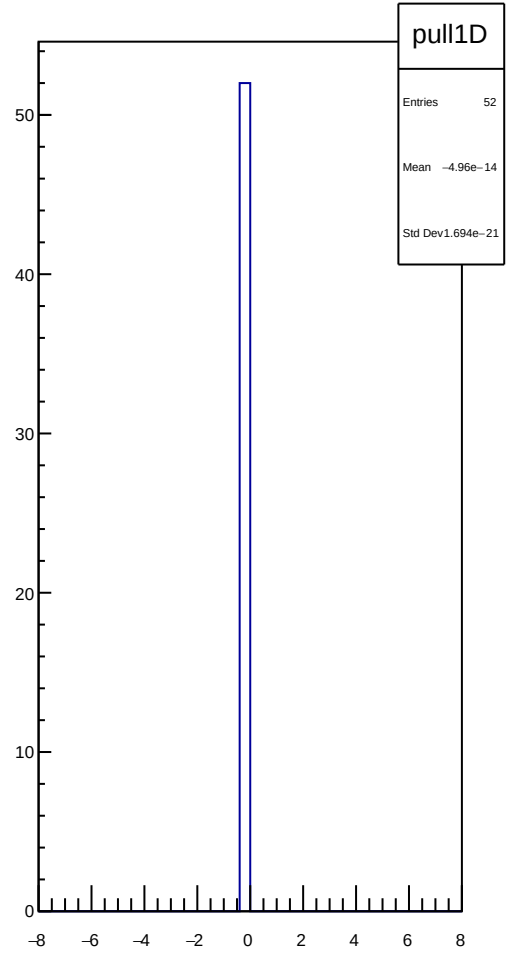

pull1D
Entries 52
Mean −9.586e−15
Std Dev 2.593e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

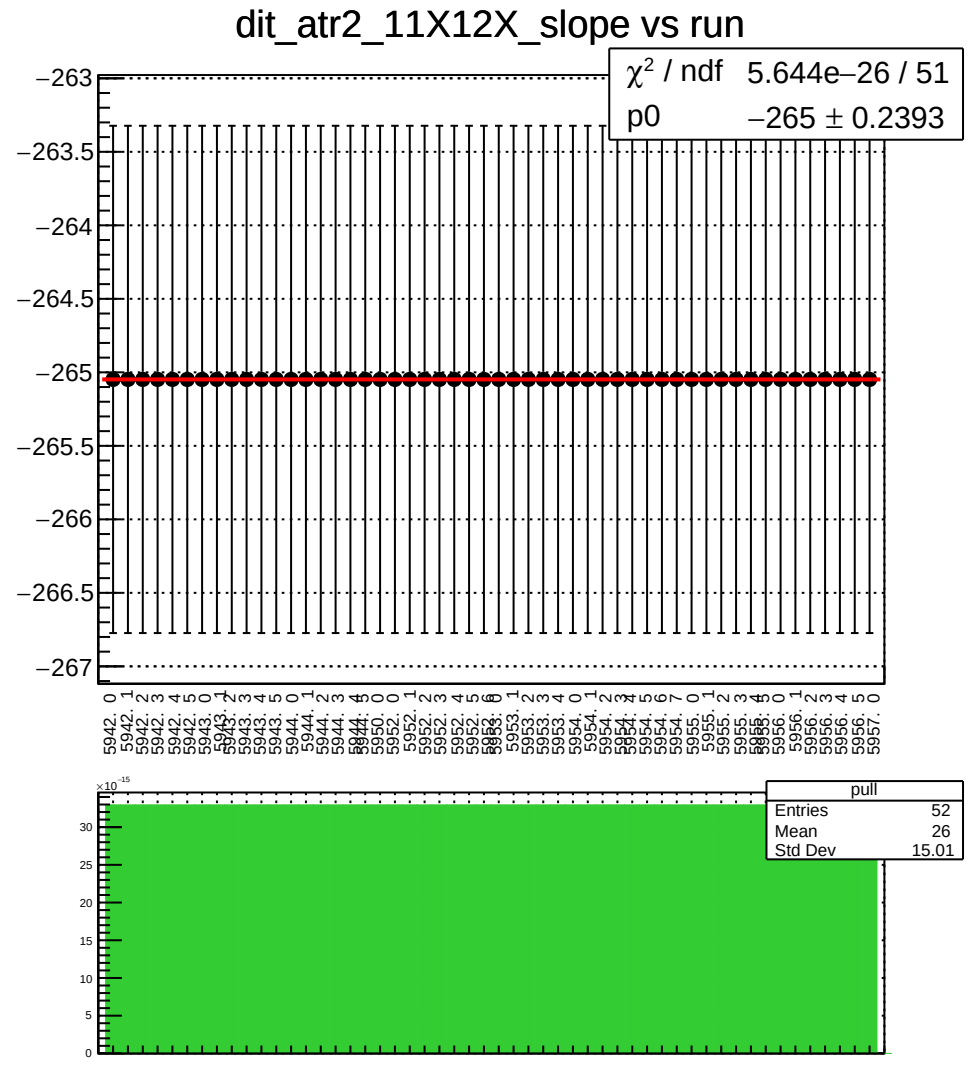

dit_atr1_4eY_slope vs run
χ² / ndf 2.843e−25 / 51
p0 −17.7 ± 0.06663
−17.2
−17.4
−17.6
−17.8
−18
−18.2
pull
Entries 52
Mean 26
Std Dev 15.01
pull1D
Entries 52
Mean −7.394e−14
Std Dev1.198e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

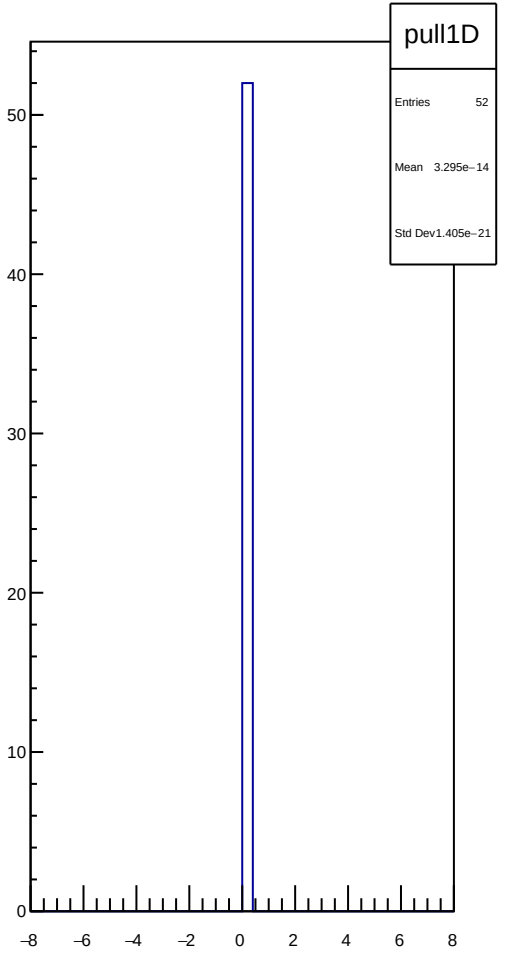

dit_atr2_4aX_slope vs run
χ² / ndf 4.099e−25 / 51
p0 −808.3 ± 1.421
−800
−805
−810
−815
−820
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90

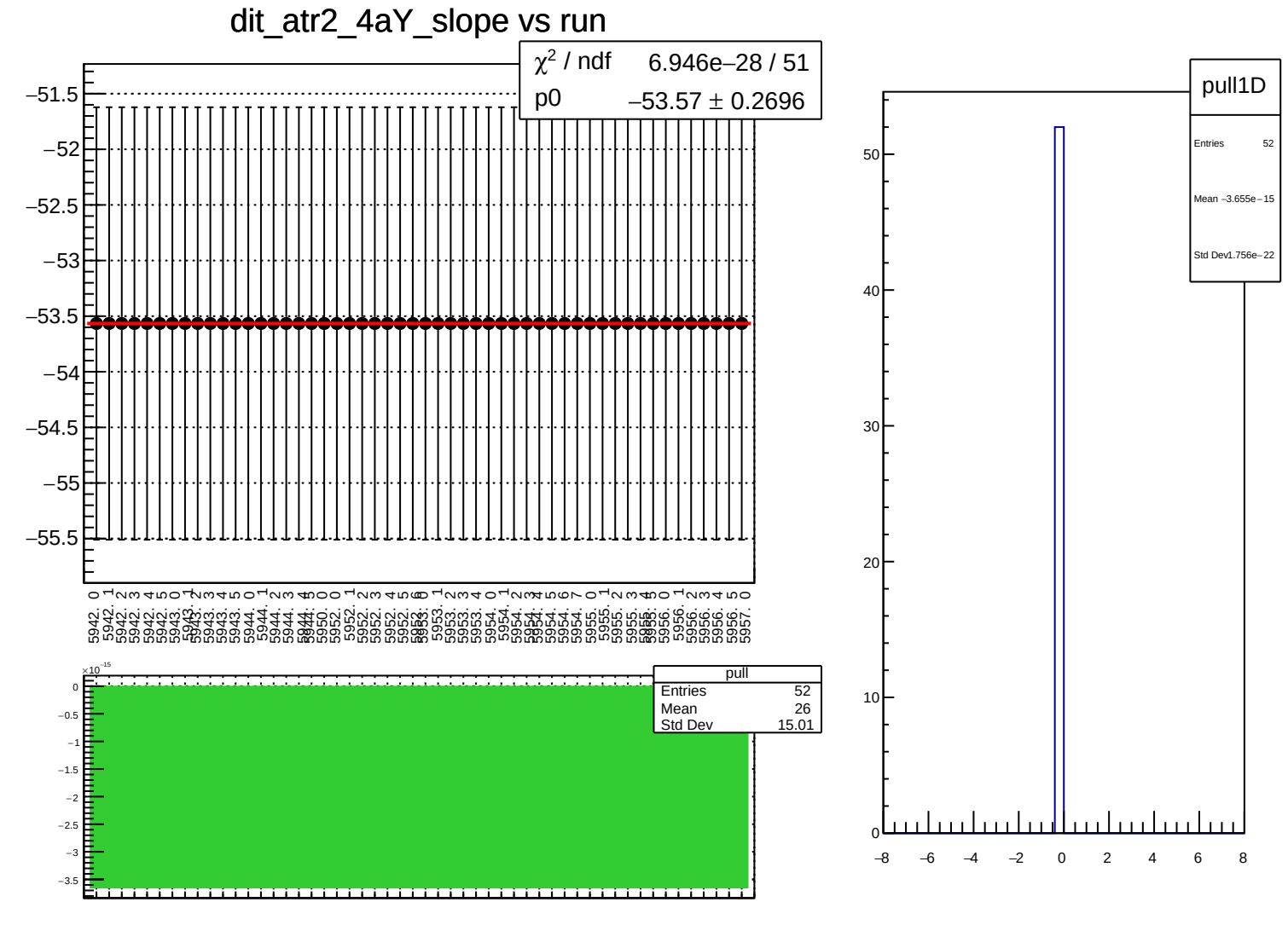

pull1D
Entries 52
Mean −8.879e−14
Std Dev2.075e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

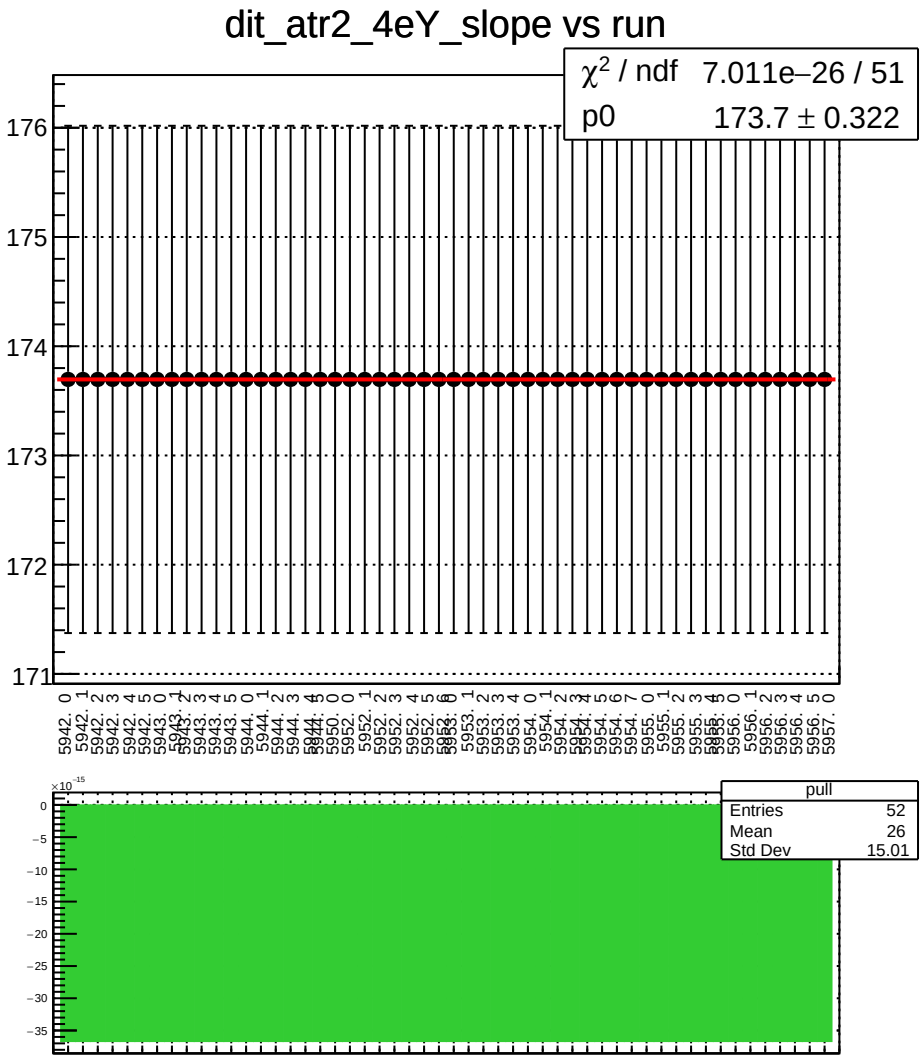

dit_atr2_4eX_slope vs run
χ² / ndf 1.279e−25 / 51
p0 944.8 ± 1.271
955
950
945
940
935
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−10
−20
−30
−40
−50

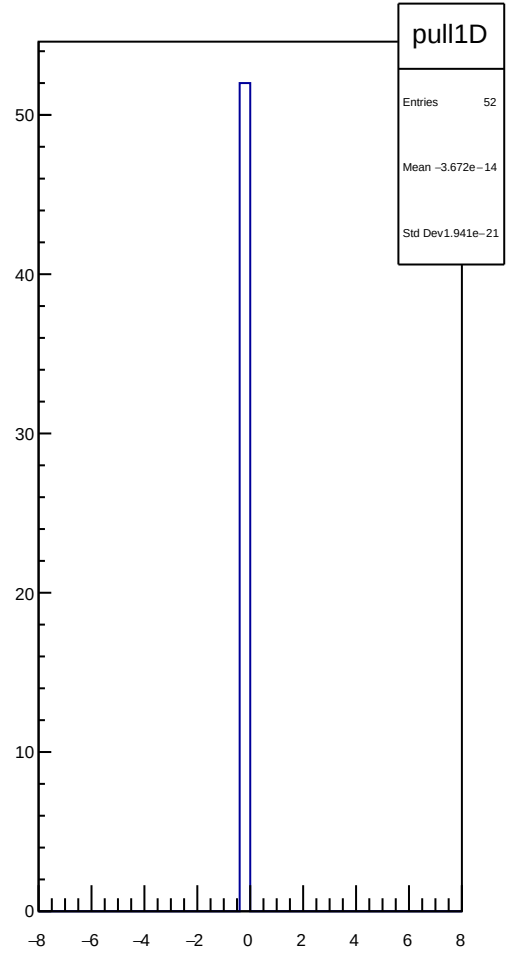

pull1D
Entries 52
Mean −4.96e−14
Std Dev 1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

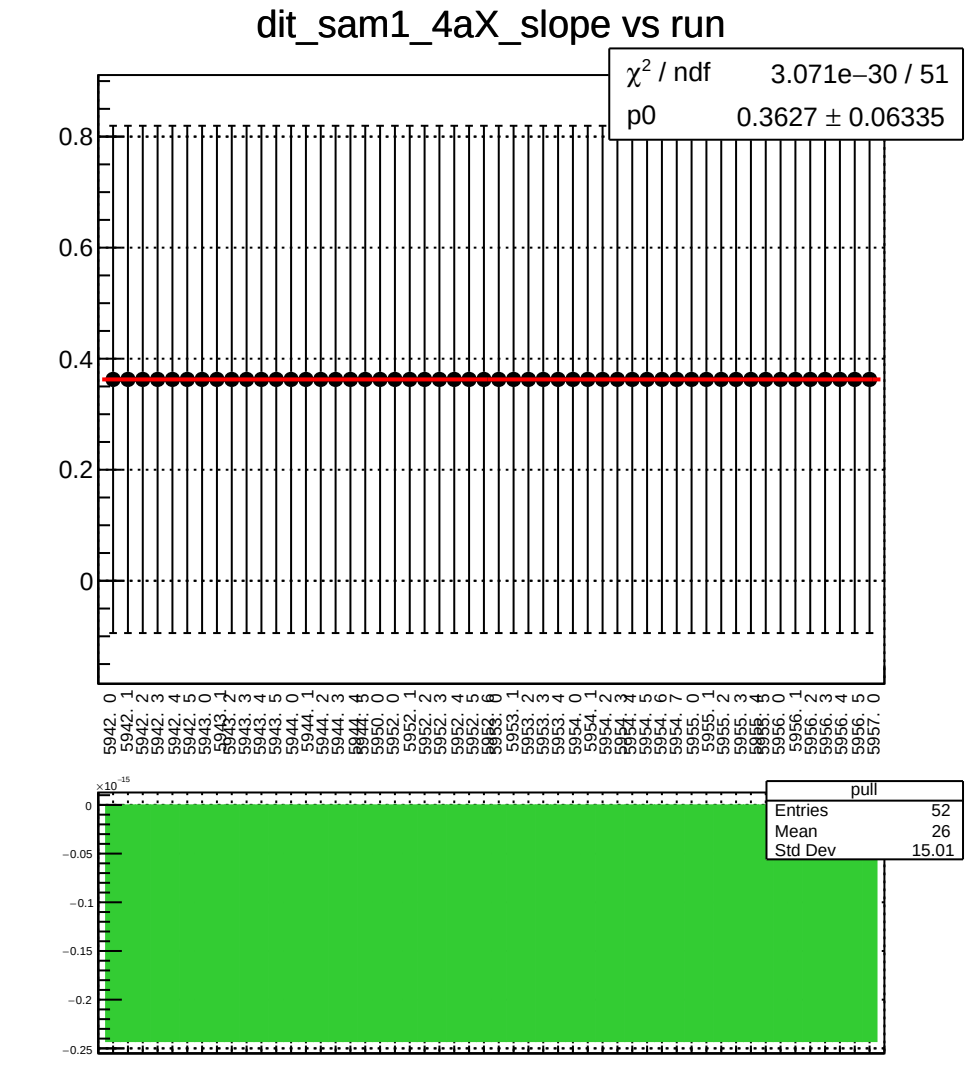

dit_atr2_11X12X_slope vs run
χ² / ndf 5.644e−26 / 51
p0 −265 ± 0.2393
−263
−263.5
−264
−264.5
−265
−265.5
−266
−266.5
−267
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
30
25
20
15
10
5
0

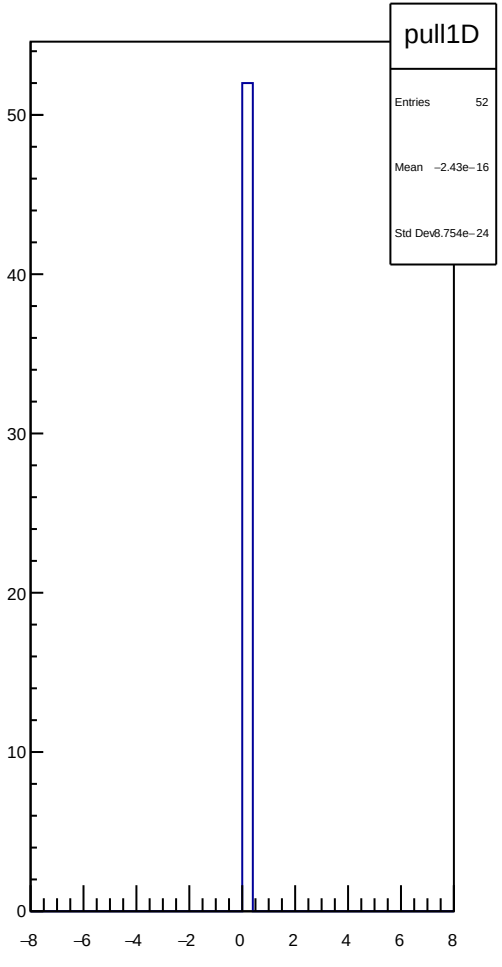

pull1D
Entries 52
Mean 3.295e−14
Std Dev1.405e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

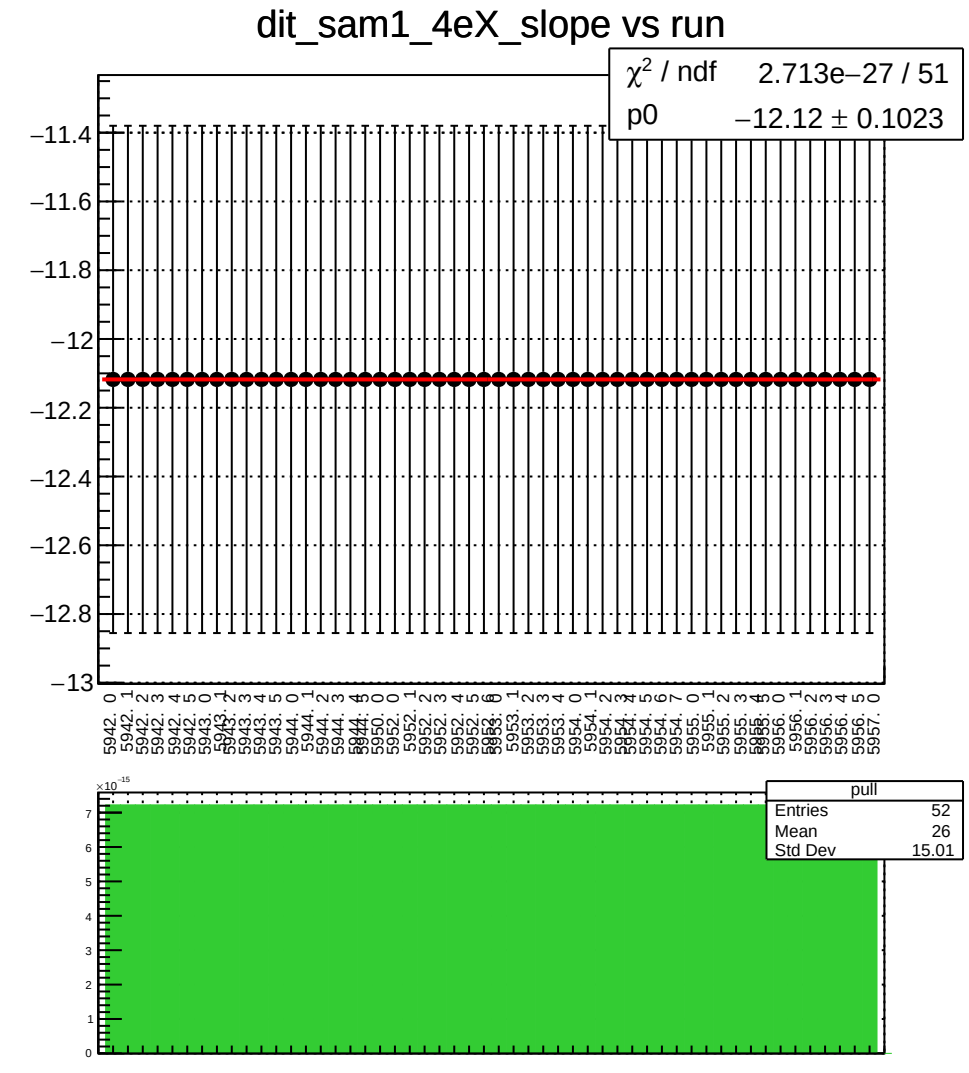

dit_atr2_4aY_slope vs run
χ² / ndf 6.946e−28 / 51
p0 −53.57 ± 0.2696
−51.5
−52
−52.5
−53
−53.5
−54
−54.5
−55
−55.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 52
Mean −3.655e−15
Std Dev1.756e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

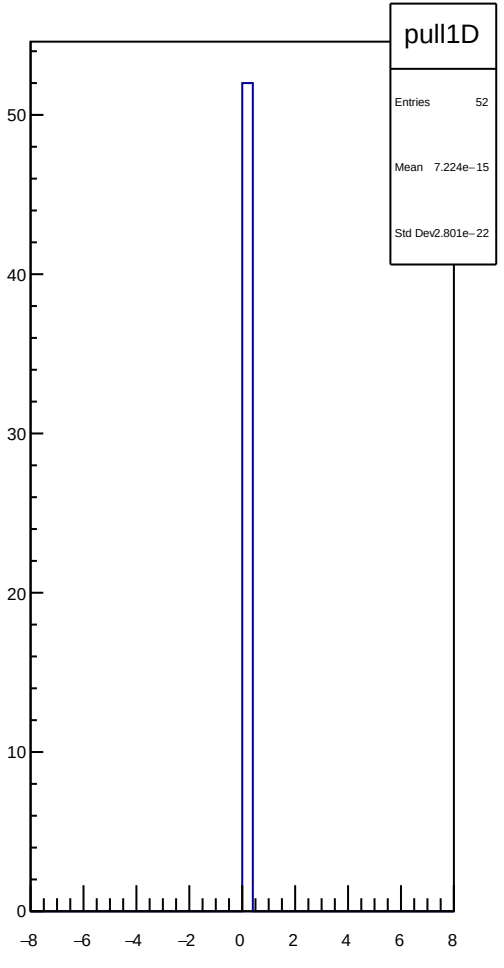

dit_atr2_4eY_slope vs run
χ² / ndf 7.011e−26 / 51
p0 173.7 ± 0.322
176
175
174
173
172
171
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

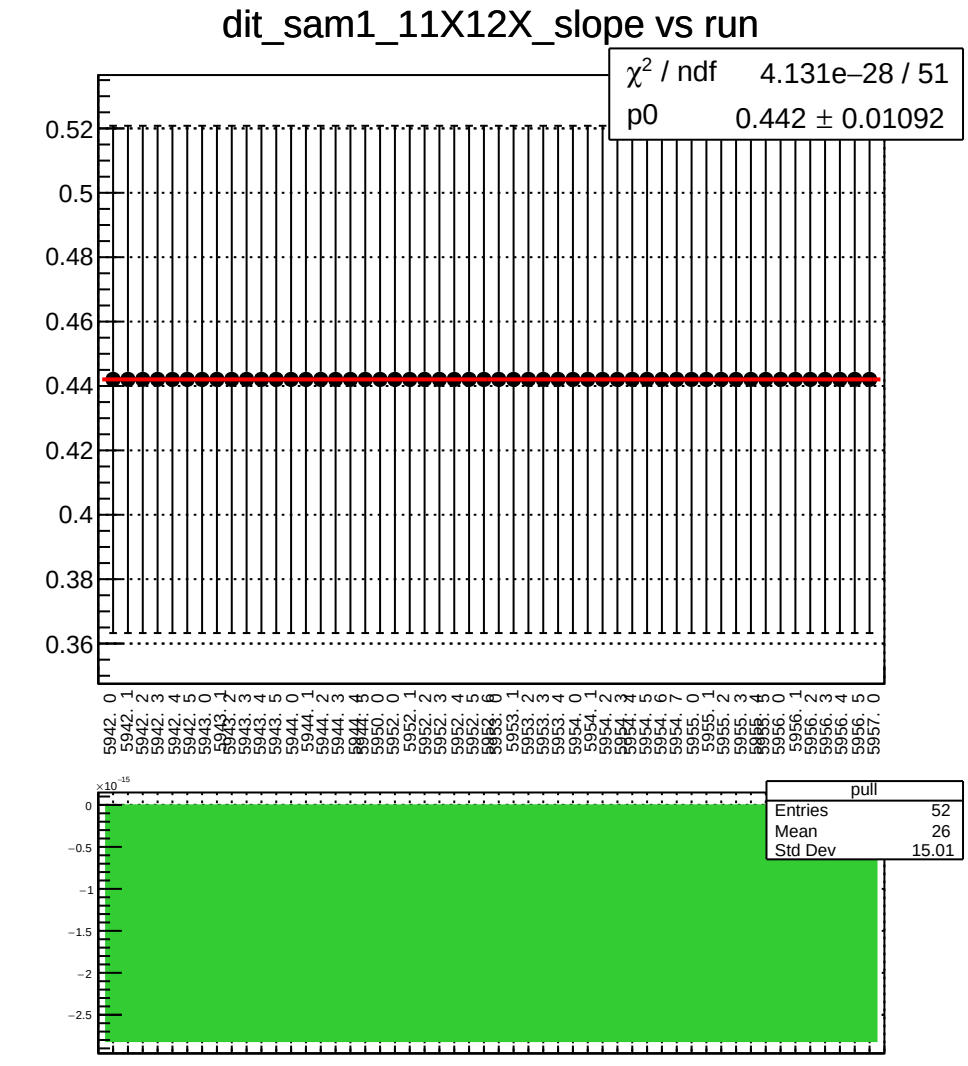

pull1D
Entries 52
Mean −3.672e−14
Std Dev1.941e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

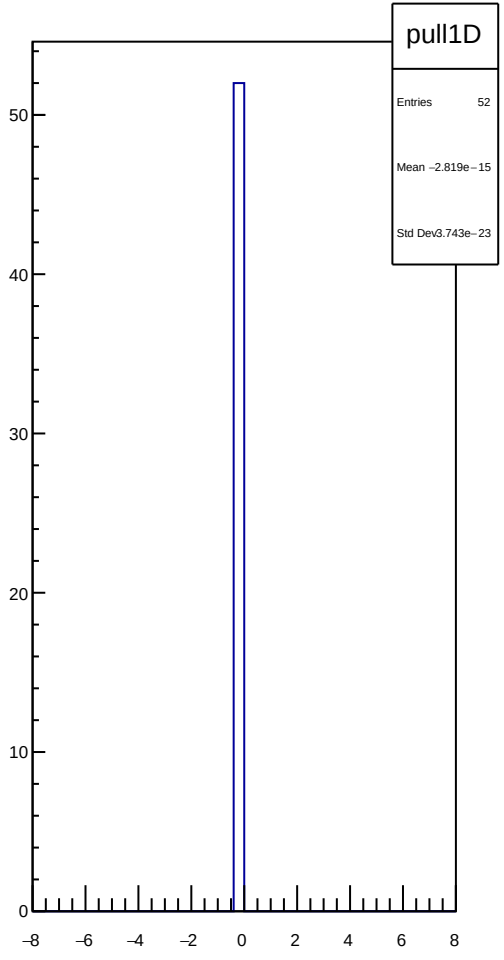

dit_sam1_4aX_slope vs run
χ² / ndf 3.071e−30 / 51
p0 0.3627 ± 0.06335
pull
Entries 52
Mean 26
Std Dev 15.01

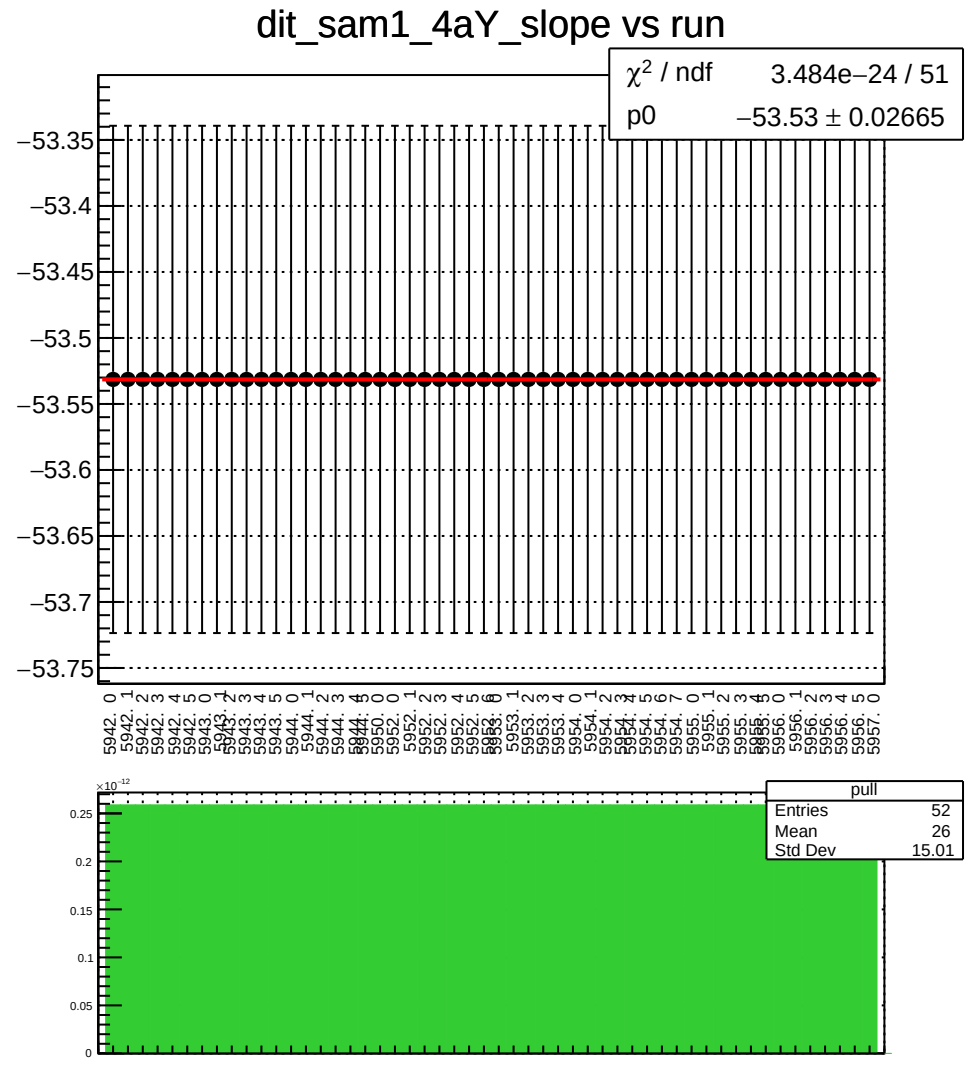

pull1D
Entries 52
Mean −2.43e−16
Std Dev 8.754e−24

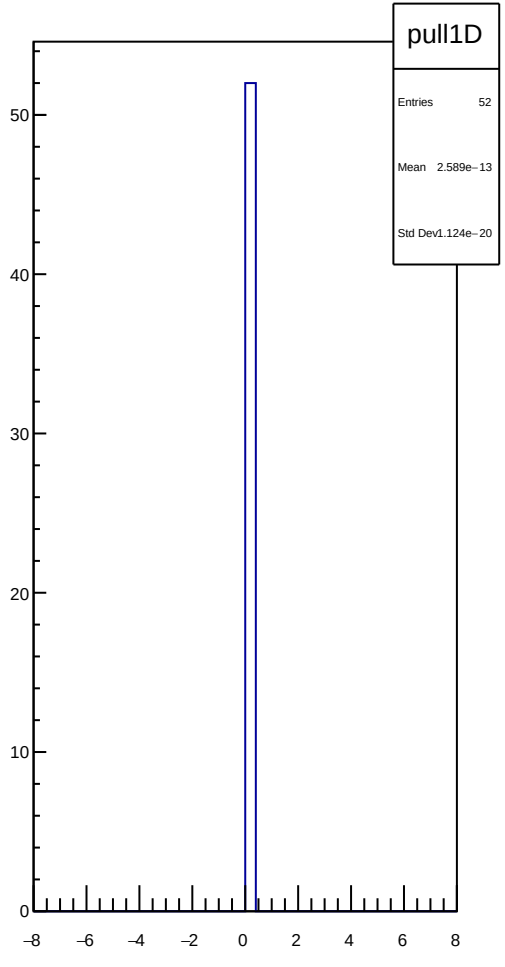

dit_sam1_4eX_slope vs run
χ² / ndf 2.713e−27 / 51
p0 −12.12 ± 0.1023
−11.4
−11.6
−11.8
−12
−12.2
−12.4
−12.6
−12.8
−13
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
7
6
5
4
3
2
1
0

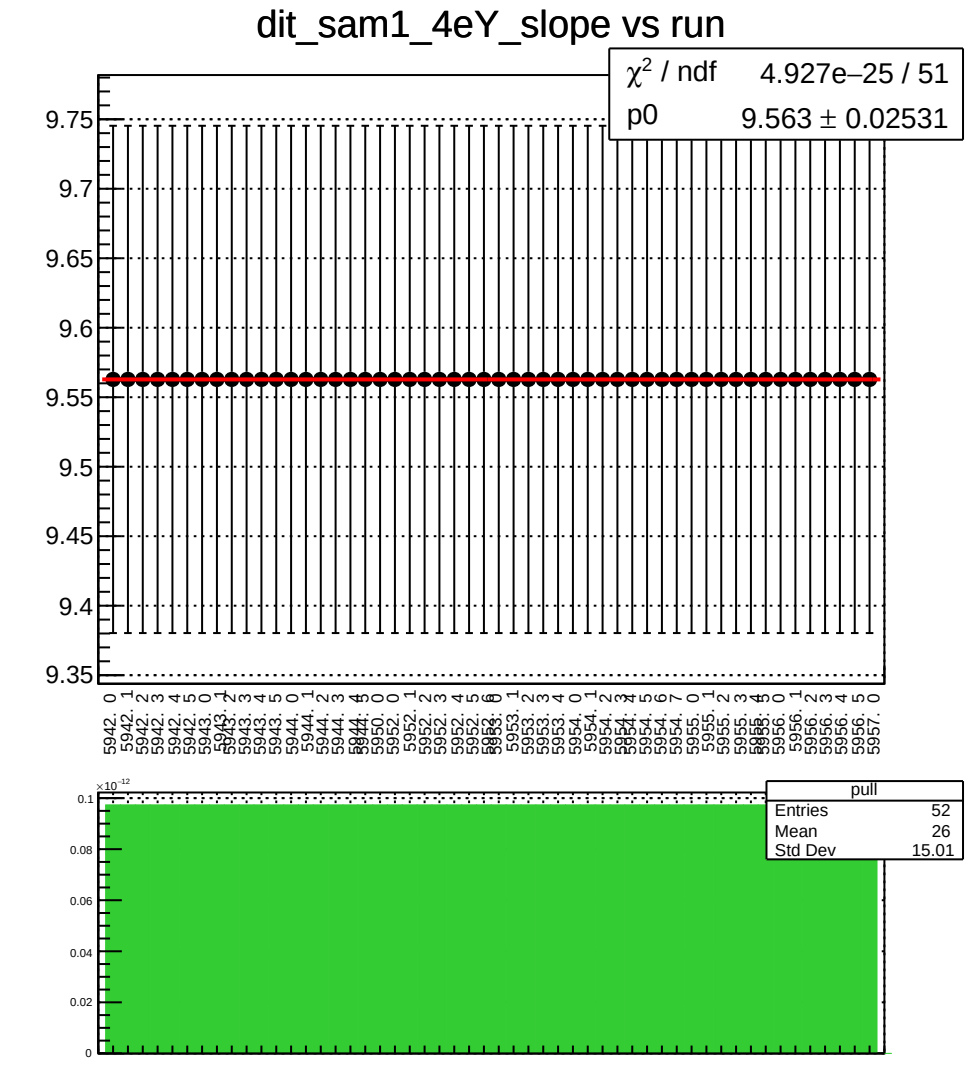

pull1D
Entries 52
Mean 7.224e−15
Std Dev 2.801e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

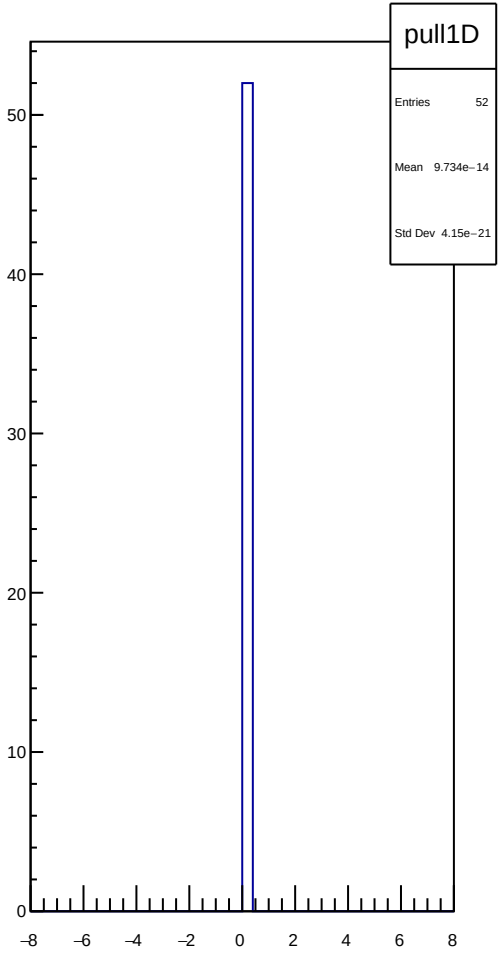

dit_sam1_11X12X_slope vs run
χ² / ndf 4.131e−28 / 51
p0 0.442 ± 0.01092
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5

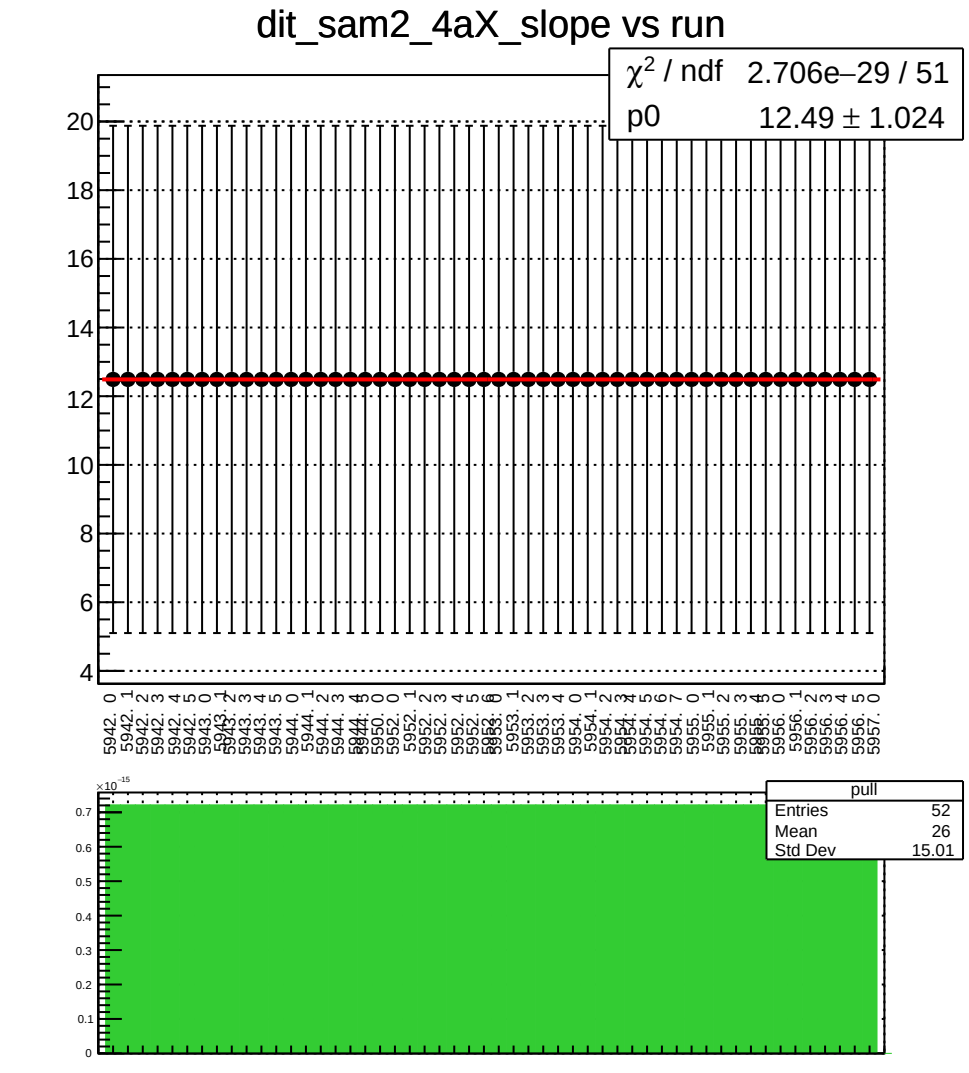

pull1D
Entries 52
Mean −2.819e−15
Std Dev 3.743e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

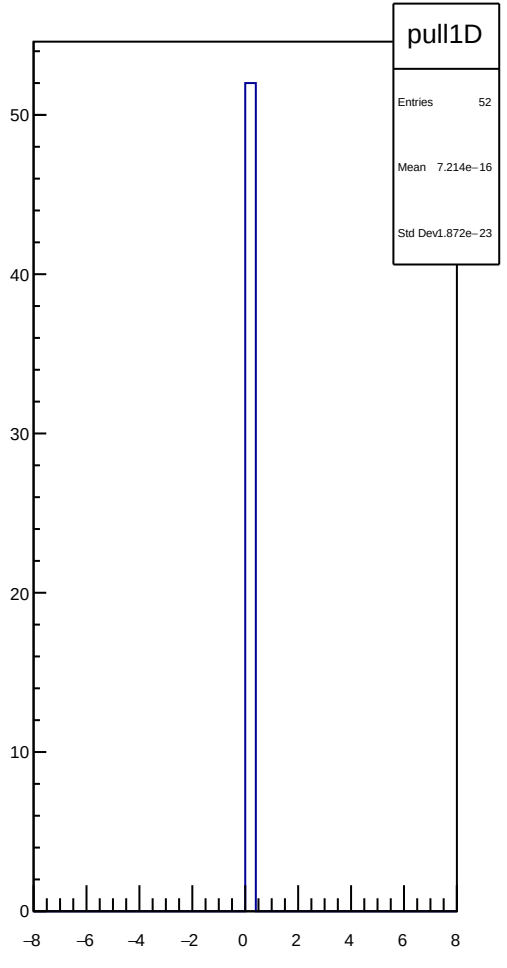

dit_sam1_4aY_slope vs run
χ² / ndf 3.484e−24 / 51
p0 −53.53 ± 0.02665
−53.35
−53.4
−53.45
−53.5
−53.55
−53.6
−53.65
−53.7
−53.75
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

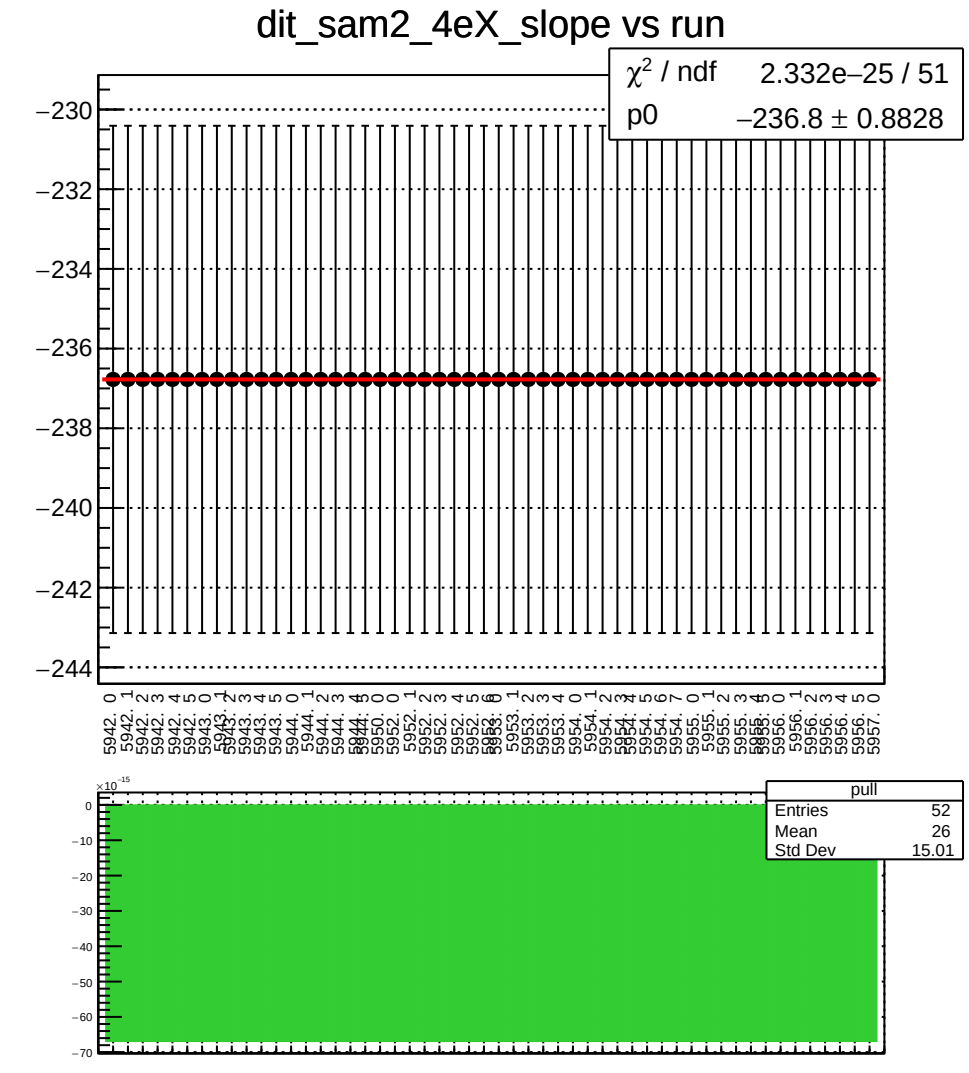

pull1D
Entries 52
Mean 2.589e−13
Std Dev1.124e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

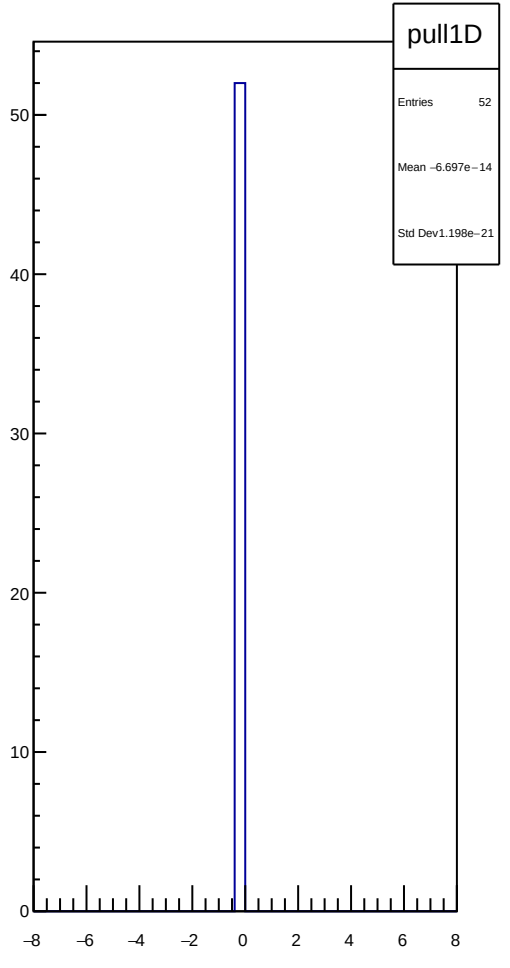

dit_sam1_4eY_slope vs run
χ² / ndf 4.927e−25 / 51
p0 9.563 ± 0.02531
pull
Entries 52
Mean 26
Std Dev 15.01

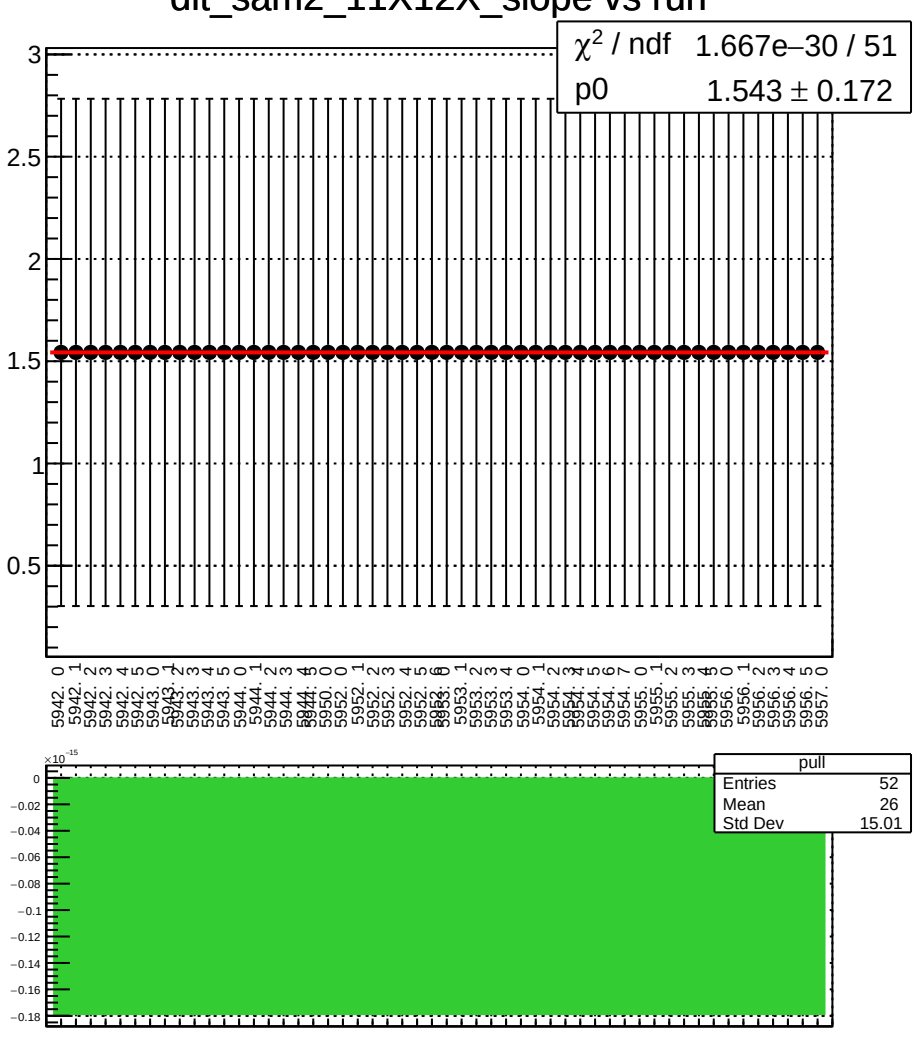

pull1D
Entries 52
Mean 9.734e−14
Std Dev 4.15e−21

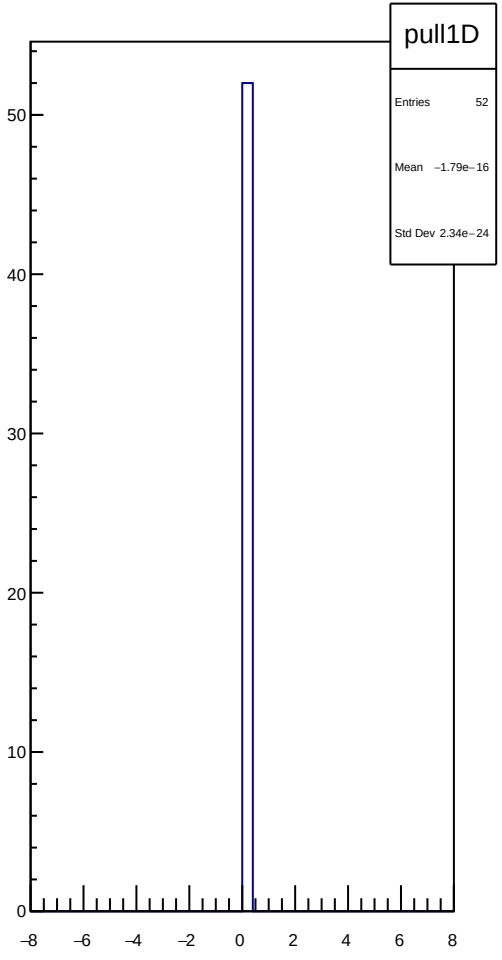

dit_sam2_4aX_slope vs run
χ² / ndf 2.706e−29 / 51
p0 12.49 ± 1.024
pull
Entries 52
Mean 26
Std Dev 15.01

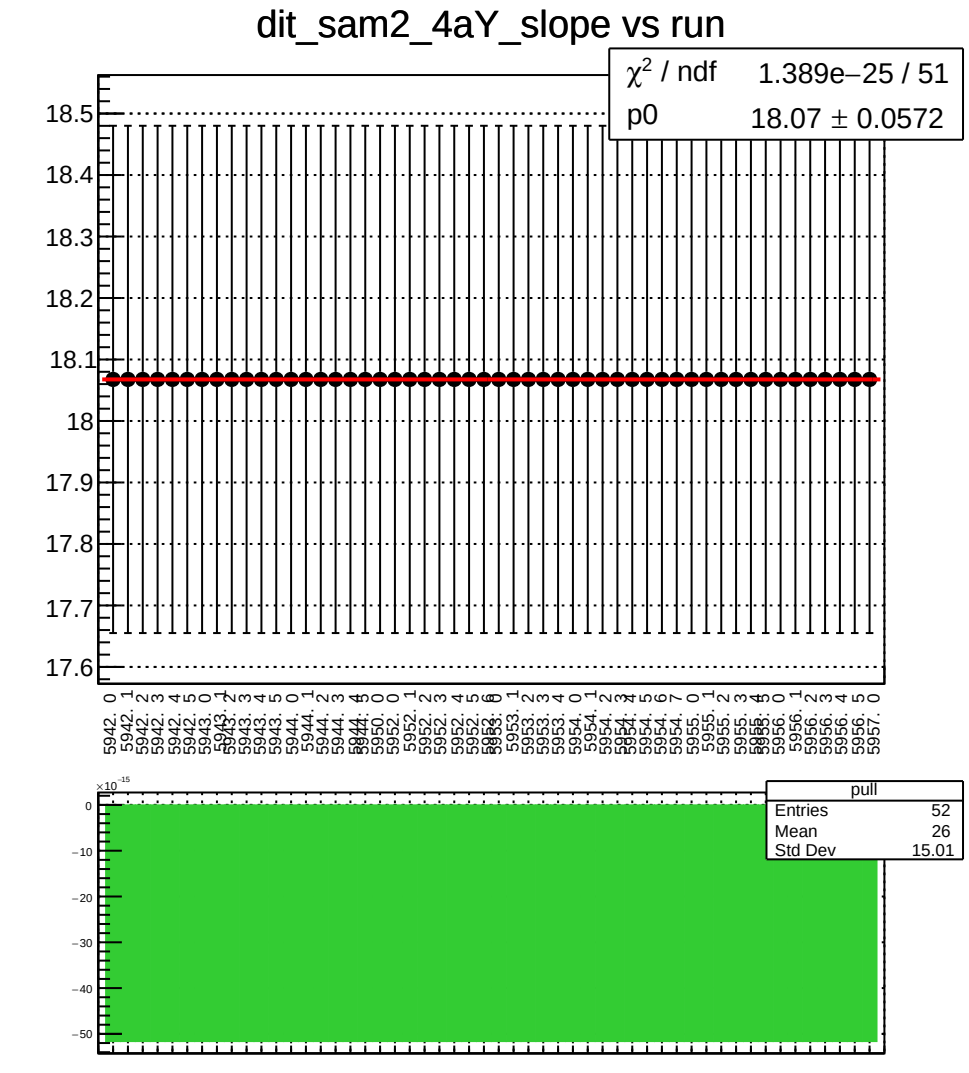

pull1D
Entries 52
Mean 7.214e−16
Std Dev1.872e−23

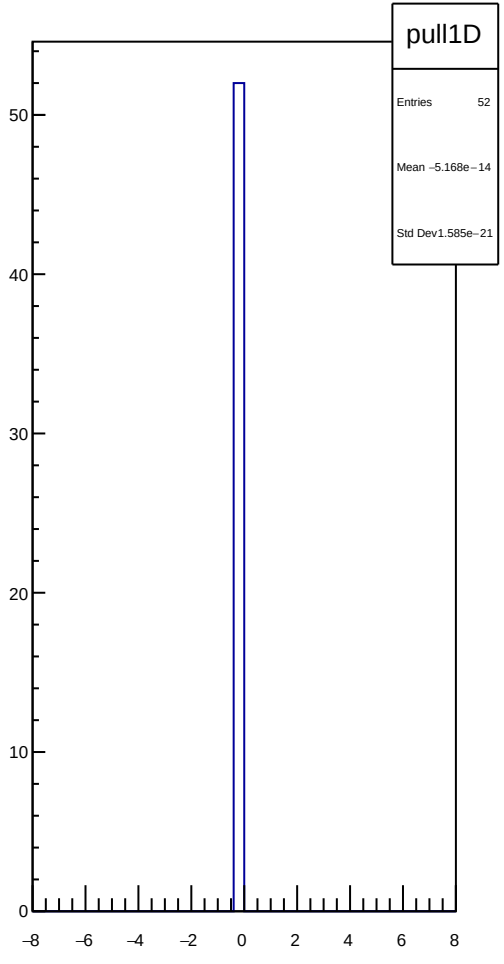

dit_sam2_4eX_slope vs run
χ² / ndf 2.332e−25 / 51
p0 −236.8 ± 0.8828
−230
−232
−234
−236
−238
−240
−242
−244
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

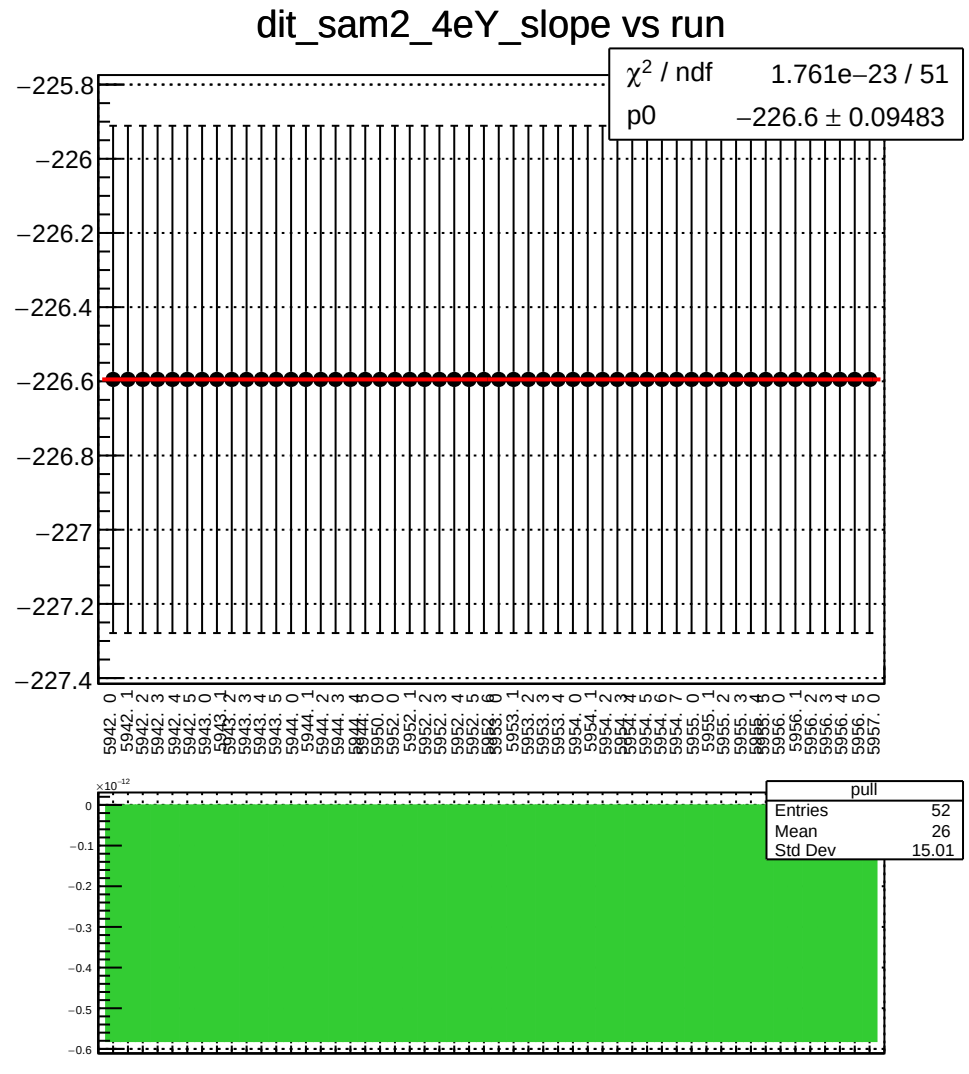

pull1D
Entries 52
Mean −6.697e−14
Std Dev1.198e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

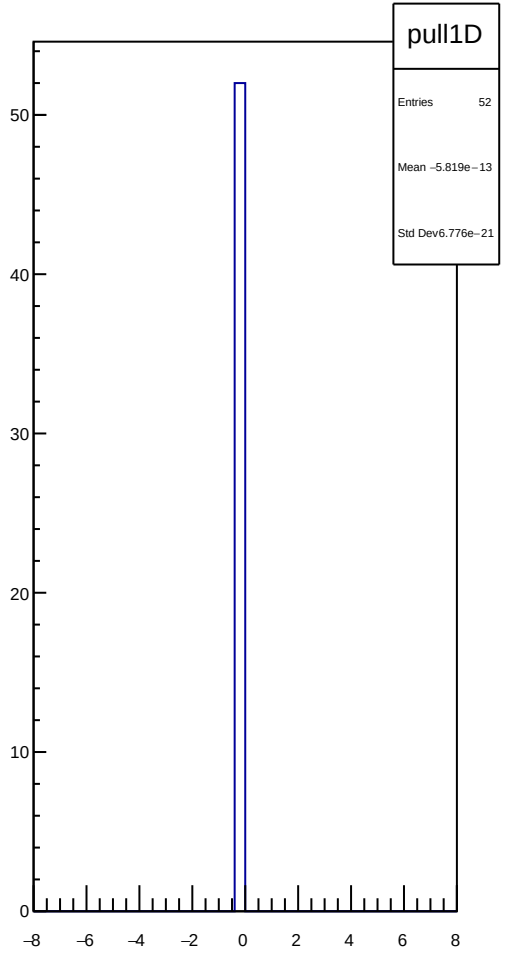

dit_sam2_11X12X_slope vs run
χ² / ndf 1.667e−30 / 51
p0 1.543 ± 0.172
pull
Entries 52
Mean 26
Std Dev 15.01

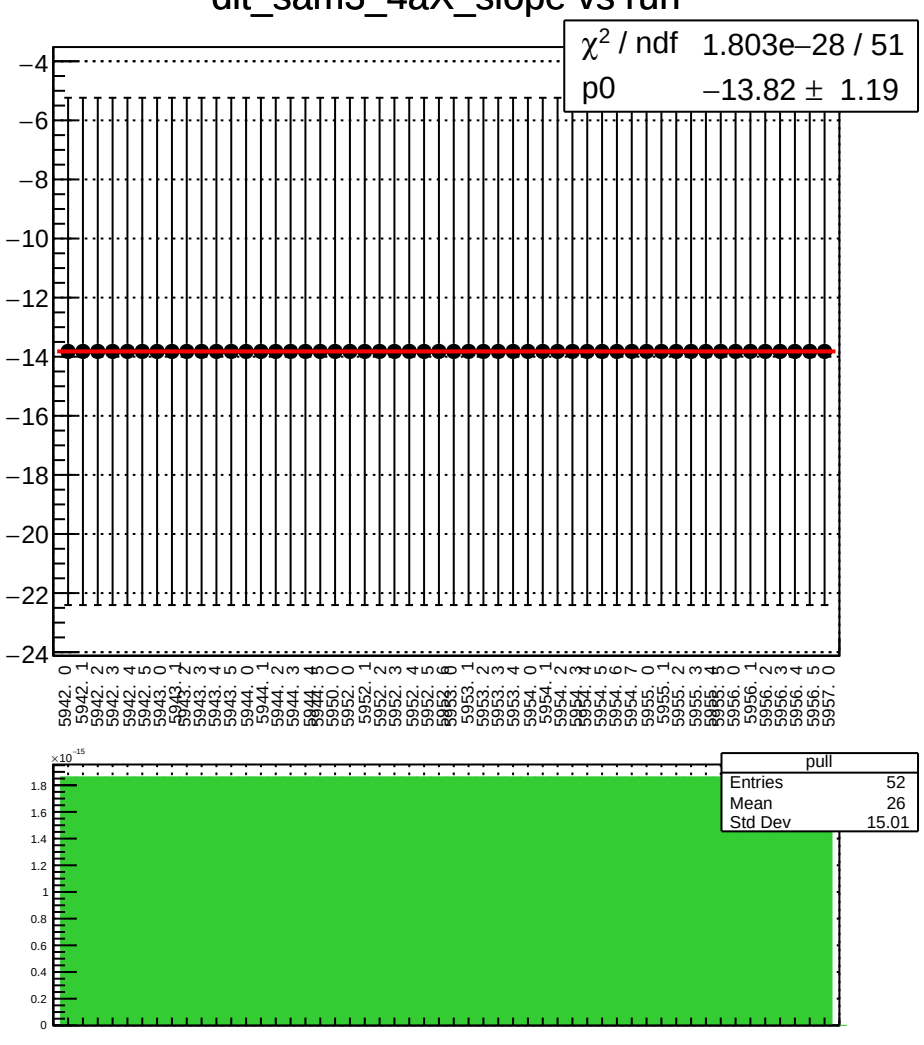

pull1D
Entries 52
Mean −1.79e−16
Std Dev 2.34e−24

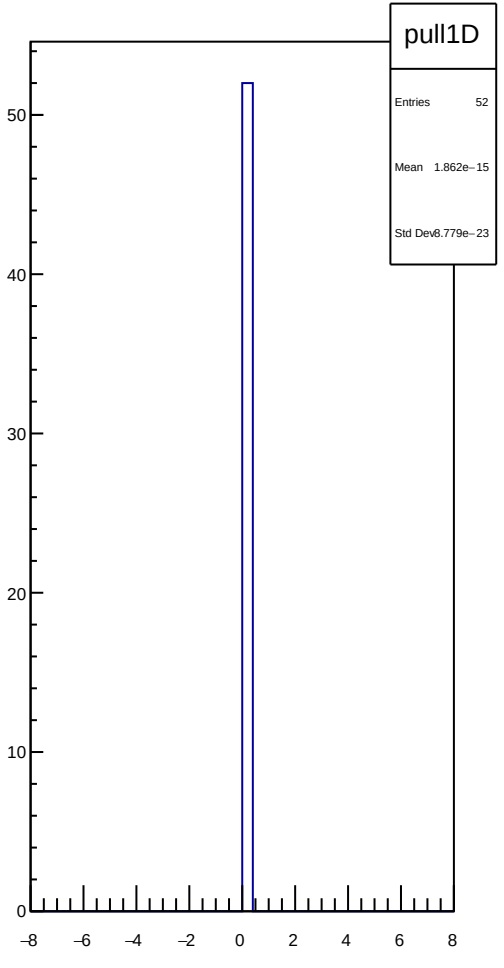

dit_sam2_4aY_slope vs run
χ² / ndf 1.389e−25 / 51
p0 18.07 ± 0.0572
18.5
18.4
18.3
18.2
18.1
18
17.9
17.8
17.7
17.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−10
−20
−30
−40
−50

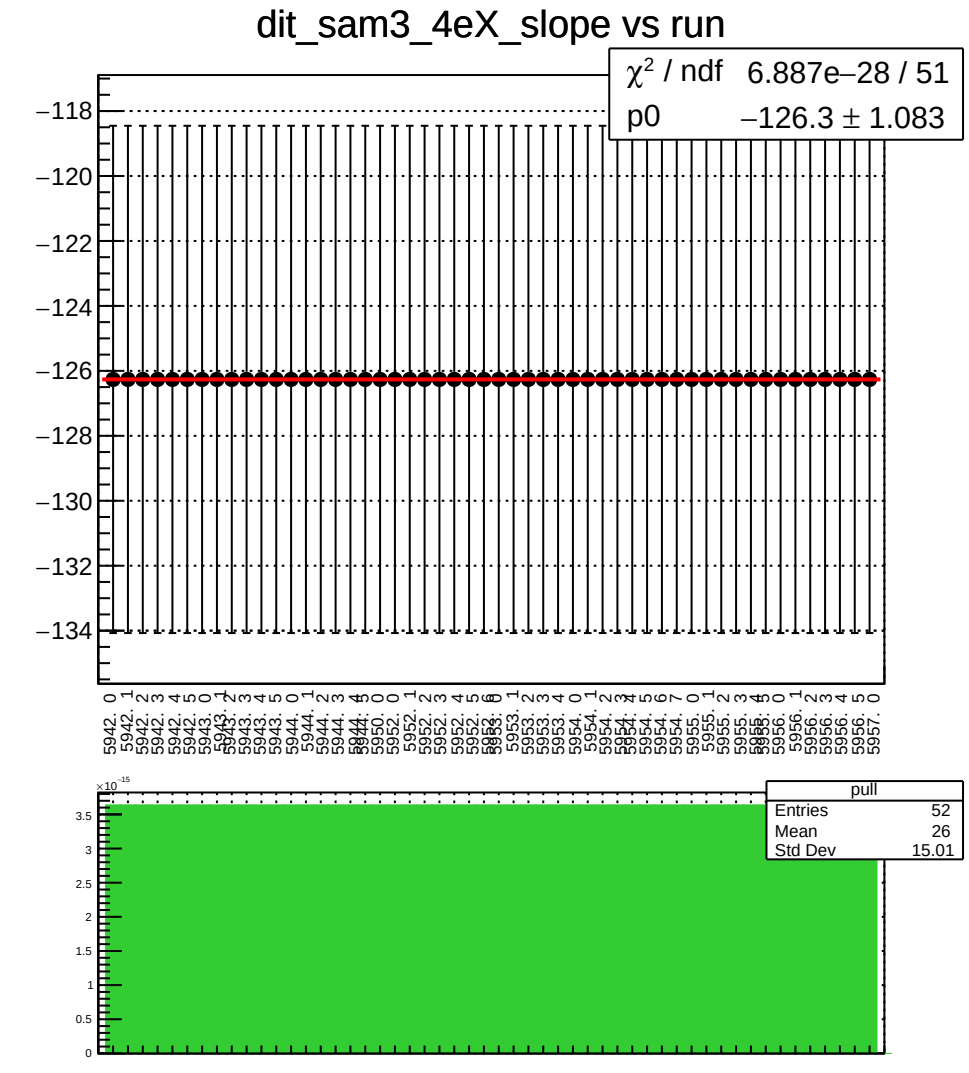

pull1D
Entries 52
Mean −5.168e−14
Std Dev1.585e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

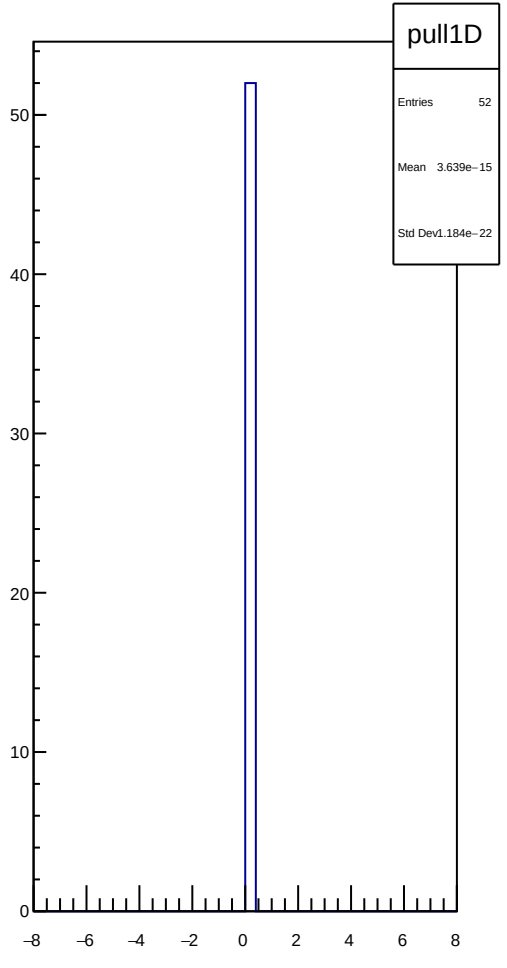

dit_sam2_4eY_slope vs run
χ² / ndf 1.761e−23 / 51
p0 −226.6 ± 0.09483
−225.8
−226
−226.2
−226.4
−226.6
−226.8
−227
−227.2
−227.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

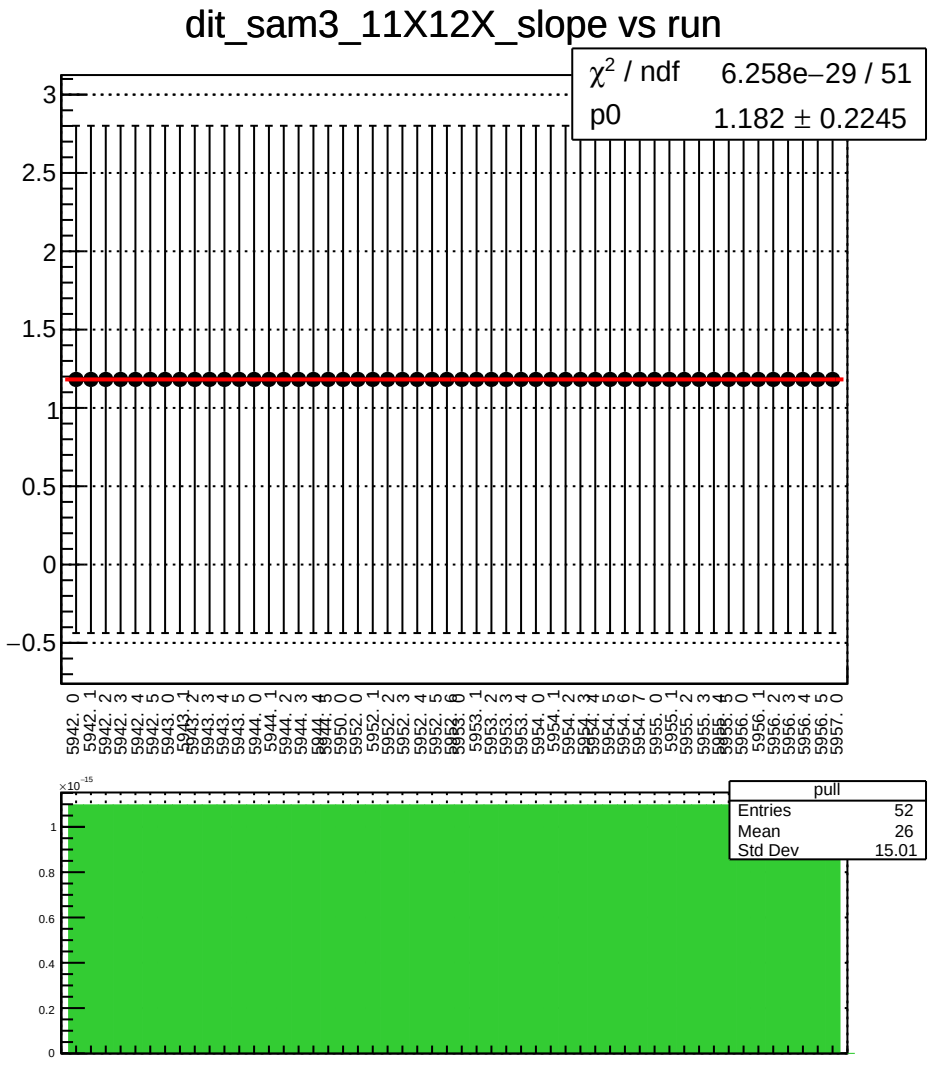

pull1D
Entries 52
Mean −5.819e−13
Std Dev6.776e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

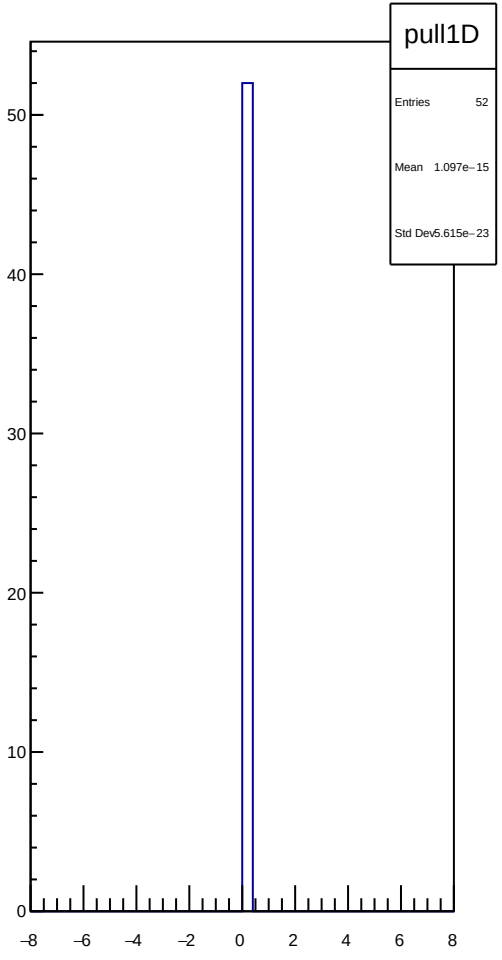

dit_sam3_4aX_slope vs run
χ² / ndf 1.803e−28 / 51
p0 −13.82 ± 1.19
pull
Entries 52
Mean 26
Std Dev 15.01

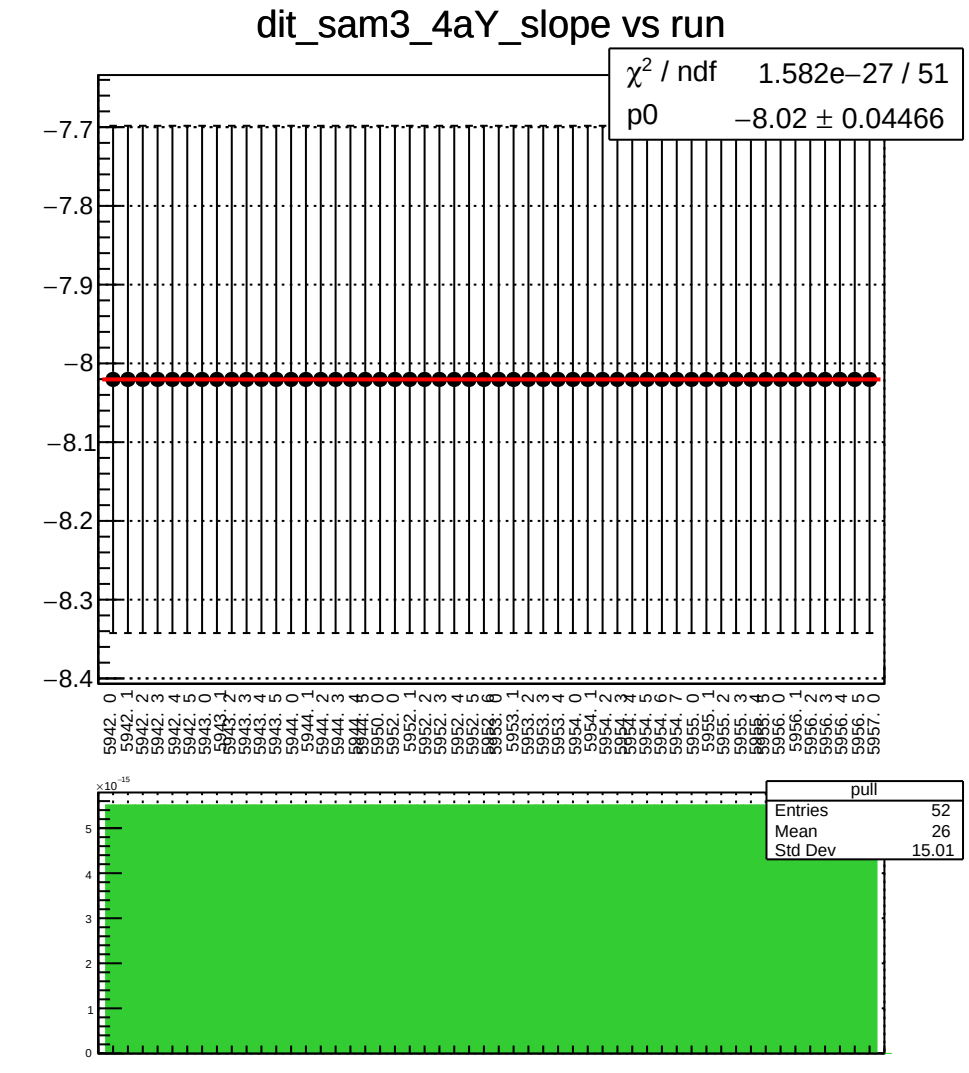

pull1D
Entries 52
Mean 1.862e−15
Std Dev 8.779e−23

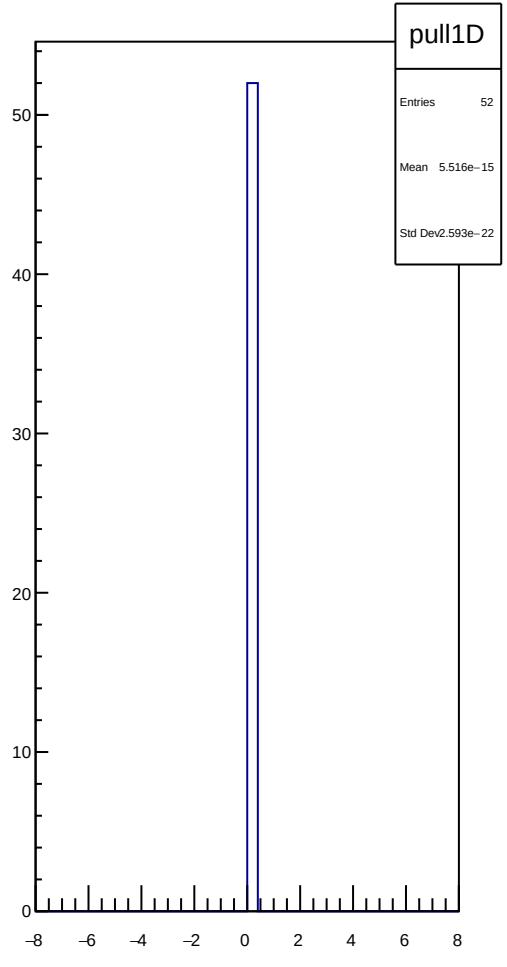

dit_sam3_4eX_slope vs run
χ² / ndf 6.887e−28 / 51
p0 −126.3 ± 1.083
−118
−120
−122
−124
−126
−128
−130
−132
−134
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0

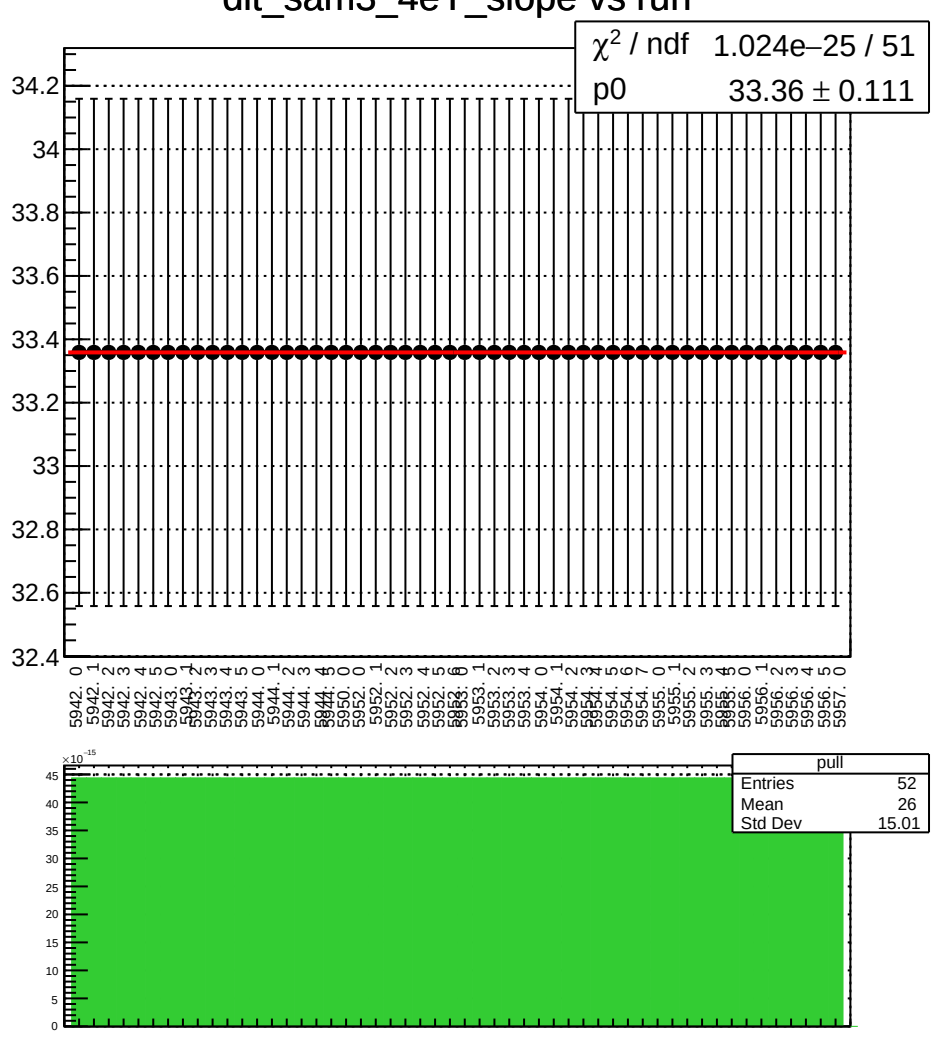

pull1D
Entries 52
Mean 3.639e−15
Std Dev1.184e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

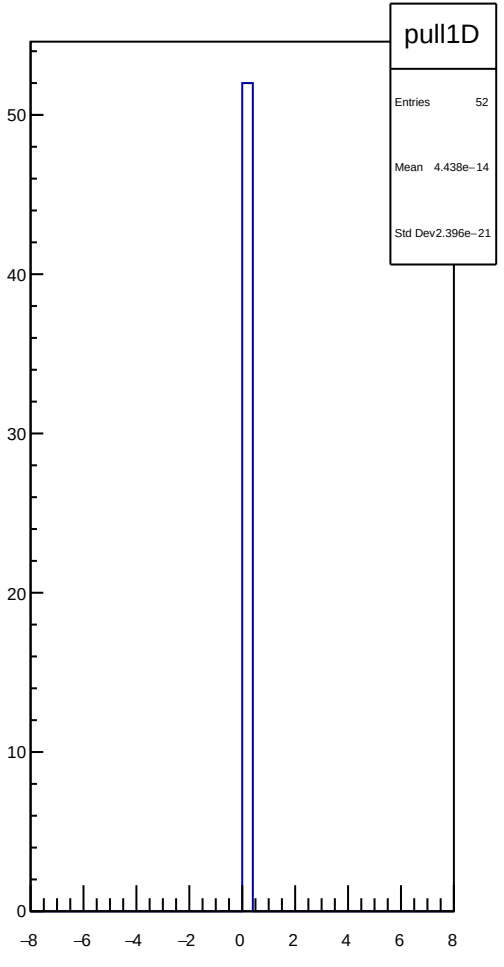

dit_sam3_11X12X_slope vs run
χ² / ndf 6.258e−29 / 51
p0 1.182 ± 0.2245
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

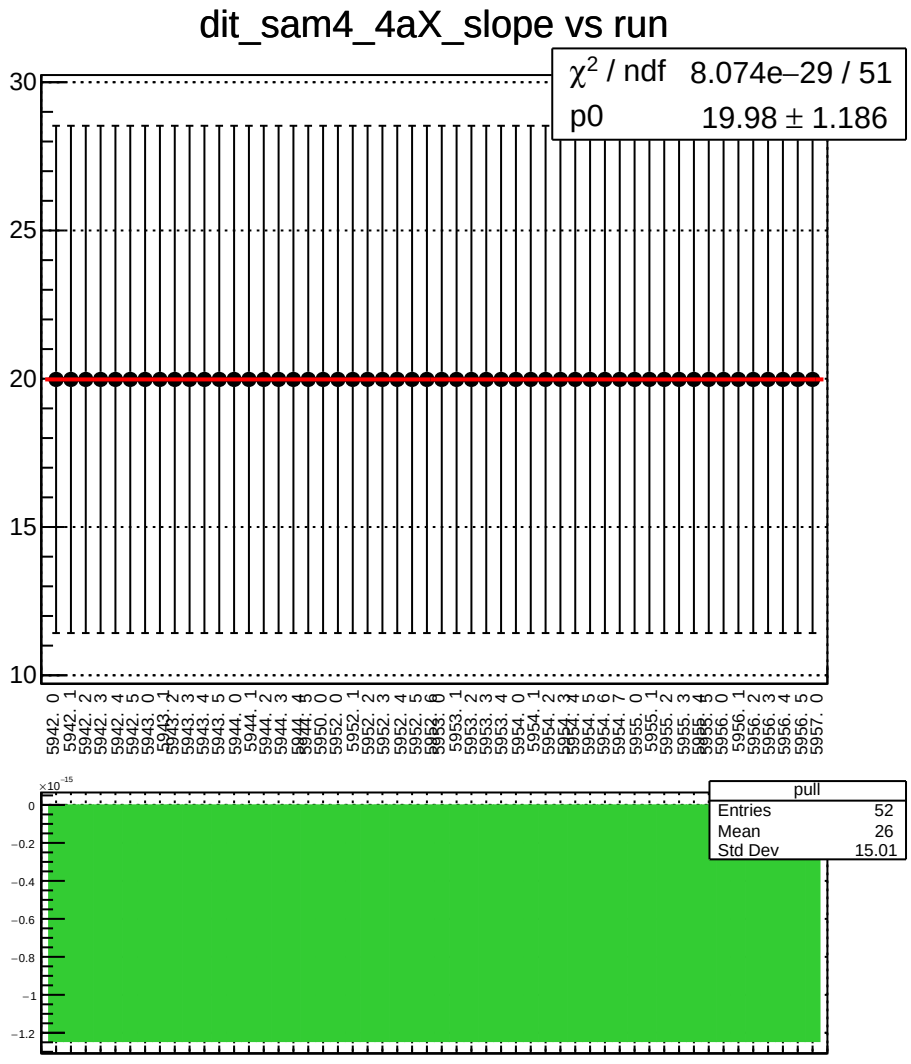

pull1D
Entries 52
Mean 1.097e−15
Std Dev 5.615e−23

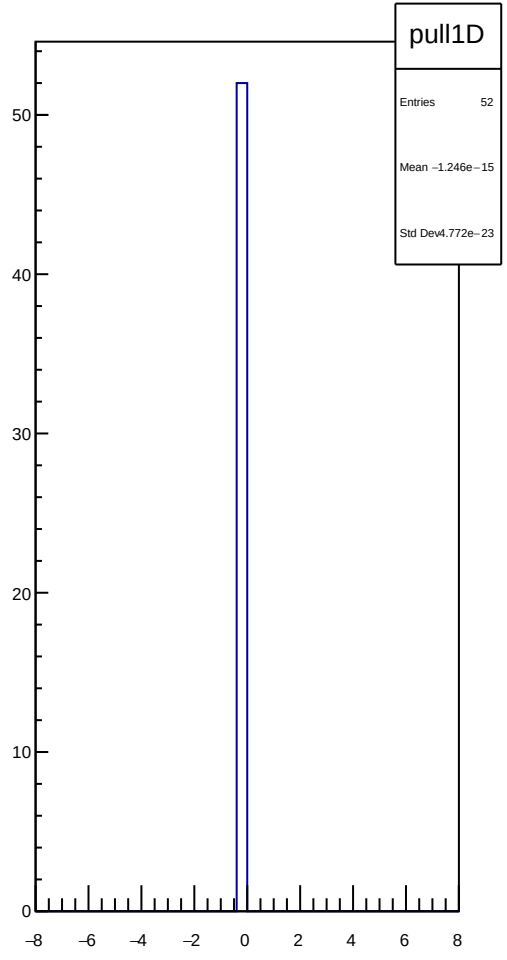

dit_sam3_4aY_slope vs run
χ² / ndf 1.582e−27 / 51
p0 −8.02 ± 0.04466
−7.7
−7.8
−7.9
−8
−8.1
−8.2
−8.3
−8.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

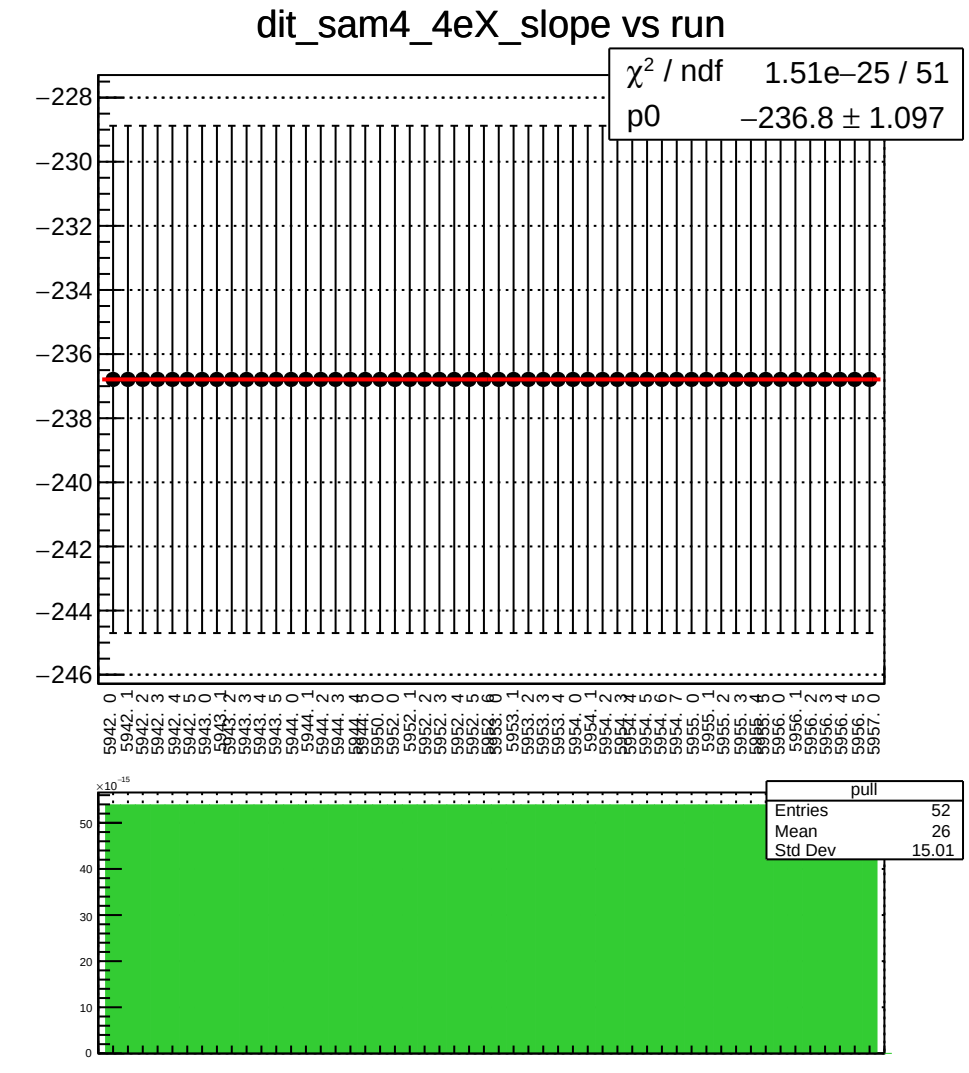

pull1D
Entries 52
Mean 5.516e−15
Std Dev 2.593e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

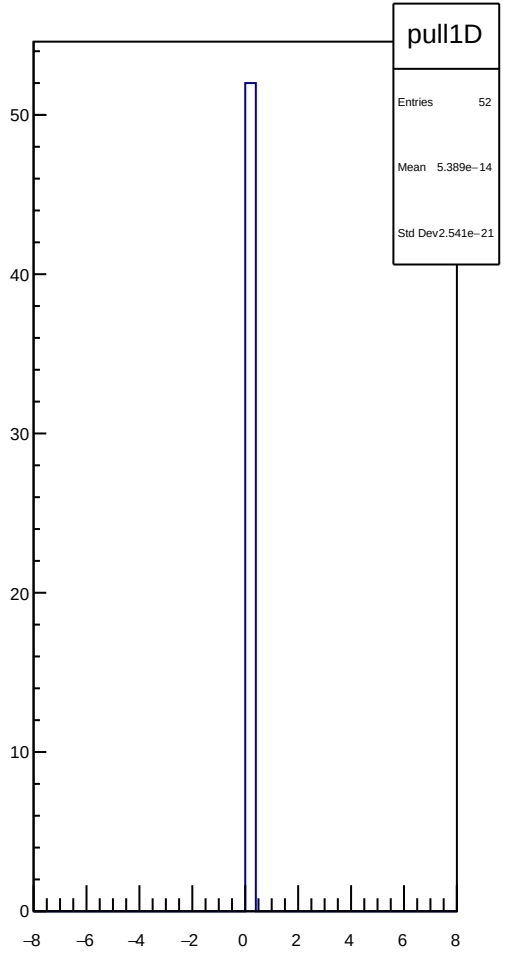

dit_sam3_4eY_slope vs run
χ² / ndf 1.024e−25 / 51
p0 33.36 ± 0.111
pull
Entries 52
Mean 26
Std Dev 15.01

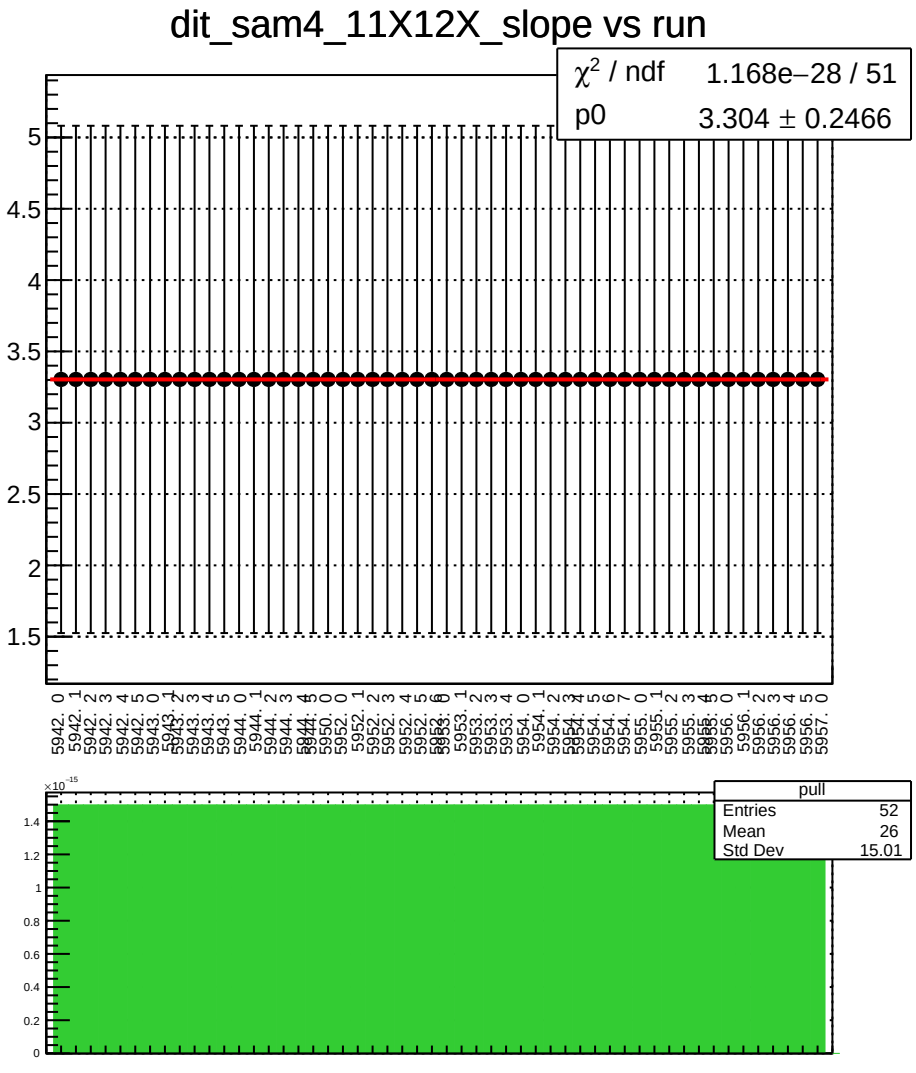

pull1D
Entries 52
Mean 4.438e−14
Std Dev2.396e−21

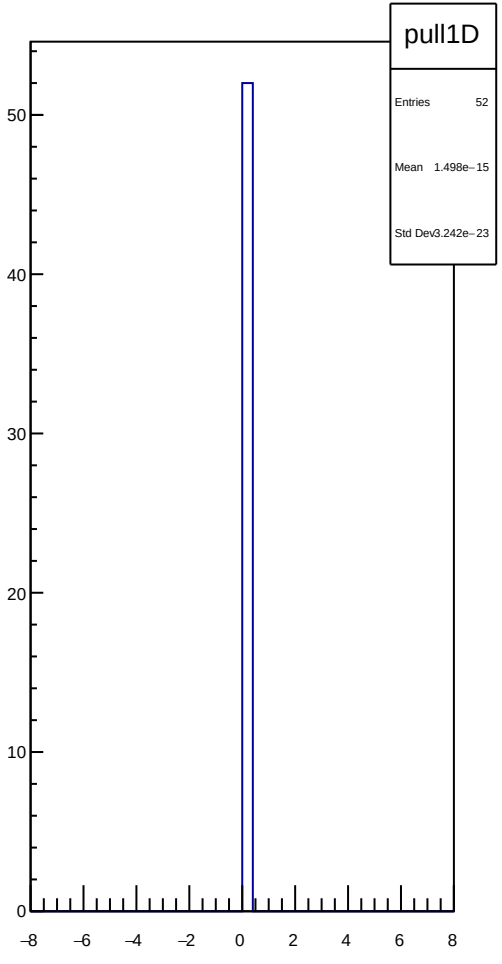

dit_sam4_4aX_slope vs run
χ² / ndf 8.074e−29 / 51
p0 19.98 ± 1.186
pull
Entries 52
Mean 26
Std Dev 15.01

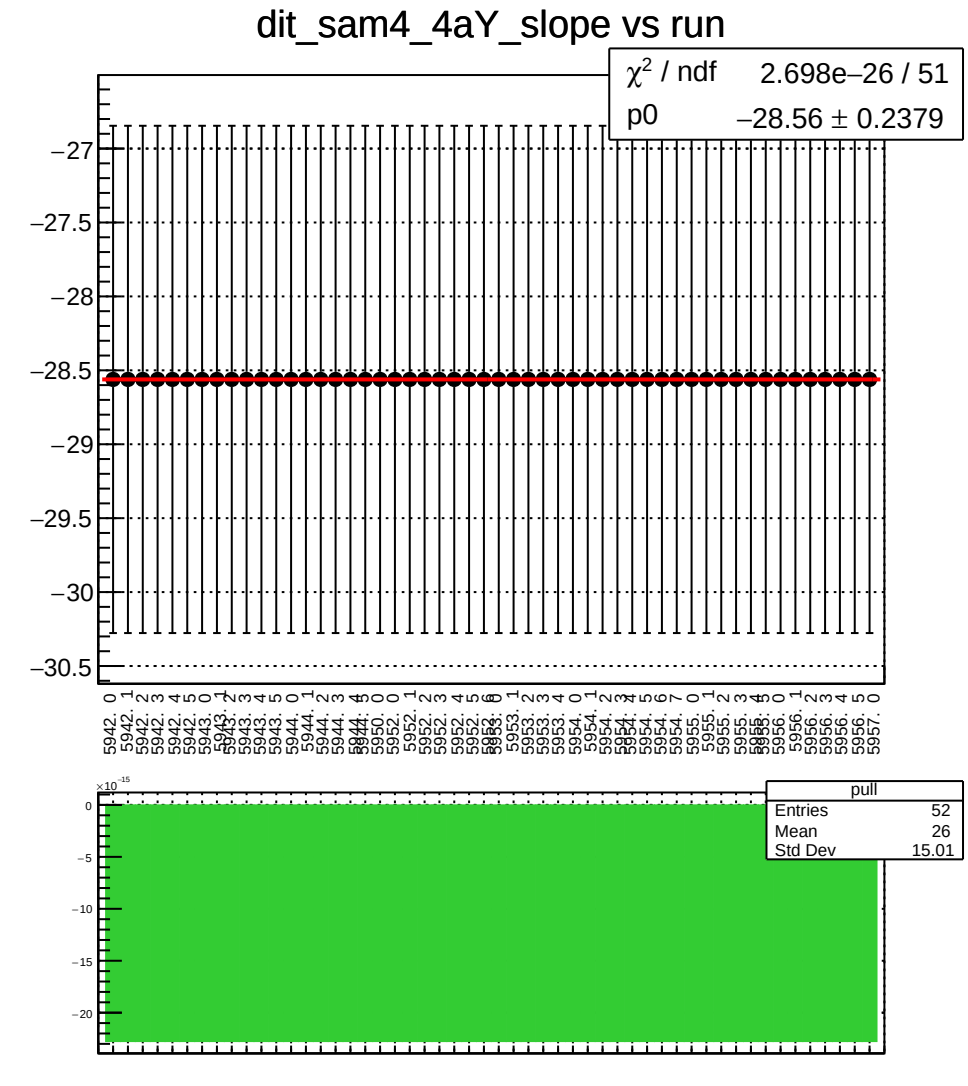

pull1D
Entries 52
Mean −1.246e−15
Std Dev4.772e−23

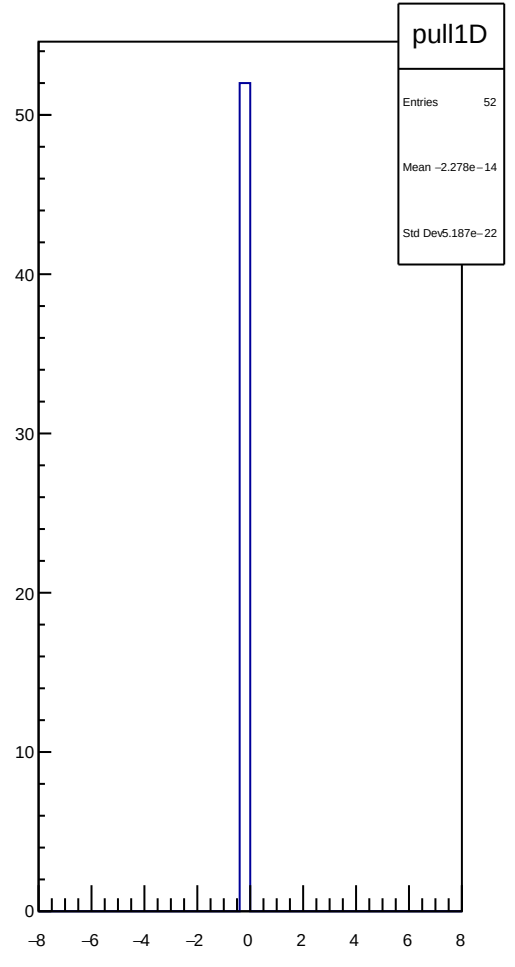

dit_sam4_4eX_slope vs run
χ² / ndf 1.51e−25 / 51
p0 −236.8 ± 1.097
−228
−230
−232
−234
−236
−238
−240
−242
−244
−246
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
50
40
30
20
10
0

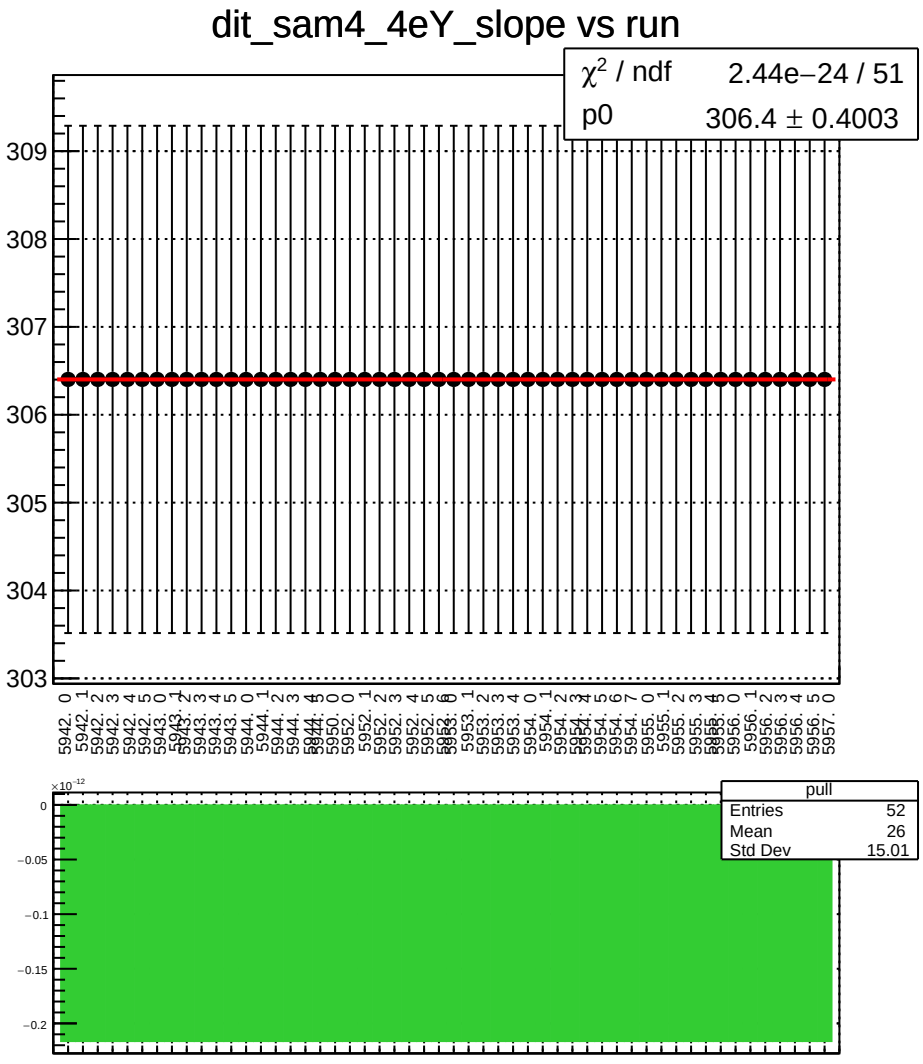

pull1D
Entries 52
Mean 5.389e−14
Std Dev2.541e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

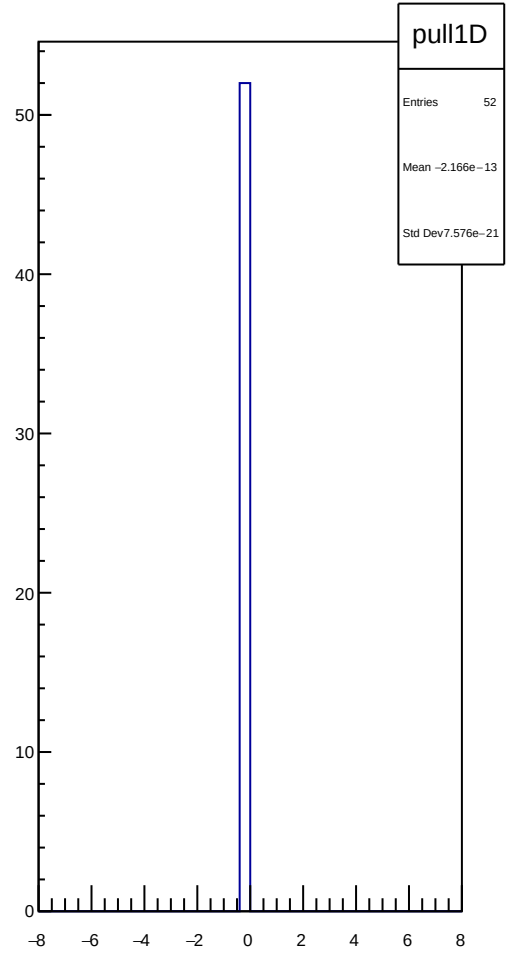

dit_sam4_11X12X_slope vs run
χ² / ndf 1.168e−28 / 51
p0 3.304 ± 0.2466
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

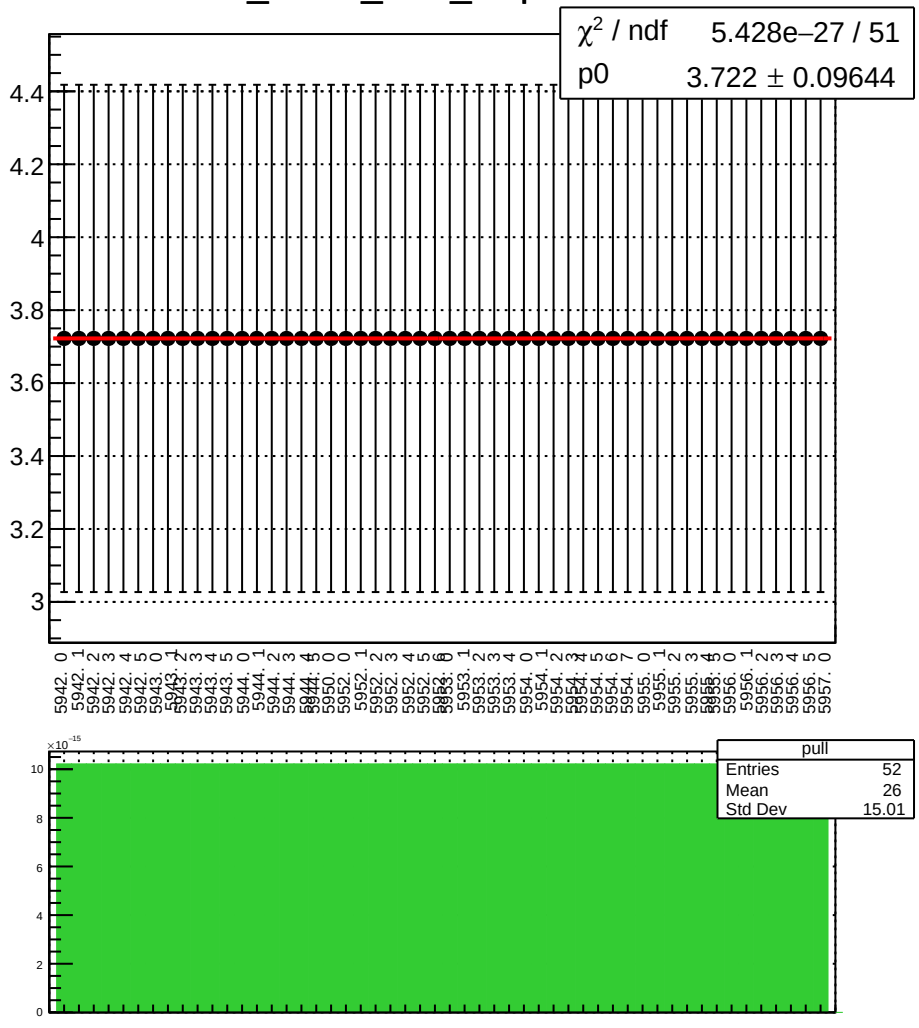

pull1D
Entries 52
Mean 1.498e−15
Std Dev 3.242e−23

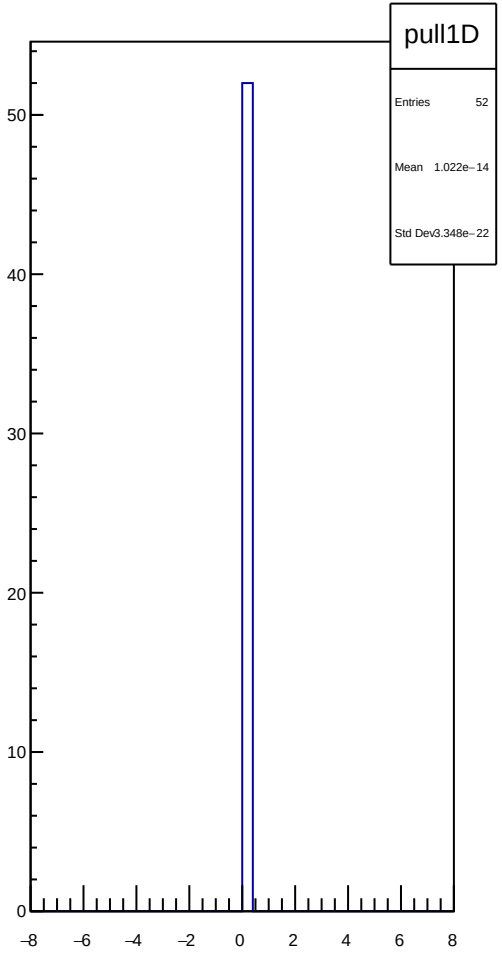

dit_sam4_4aY_slope vs run
χ² / ndf 2.698e−26 / 51
p0 −28.56 ± 0.2379
−27
−27.5
−28
−28.5
−29
−29.5
−30
−30.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−5
−10
−15
−20

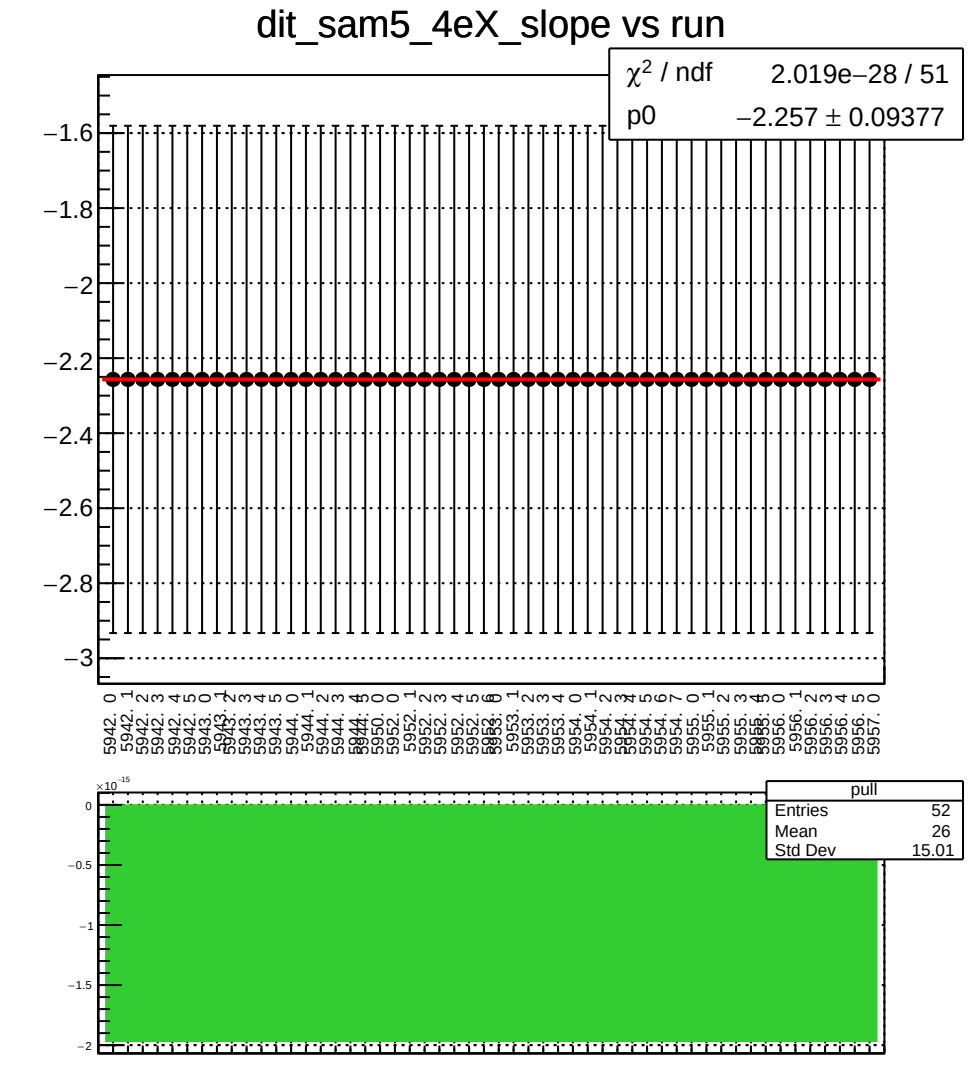

pull1D
Entries 52
Mean −2.278e−14
Std Dev 5.187e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

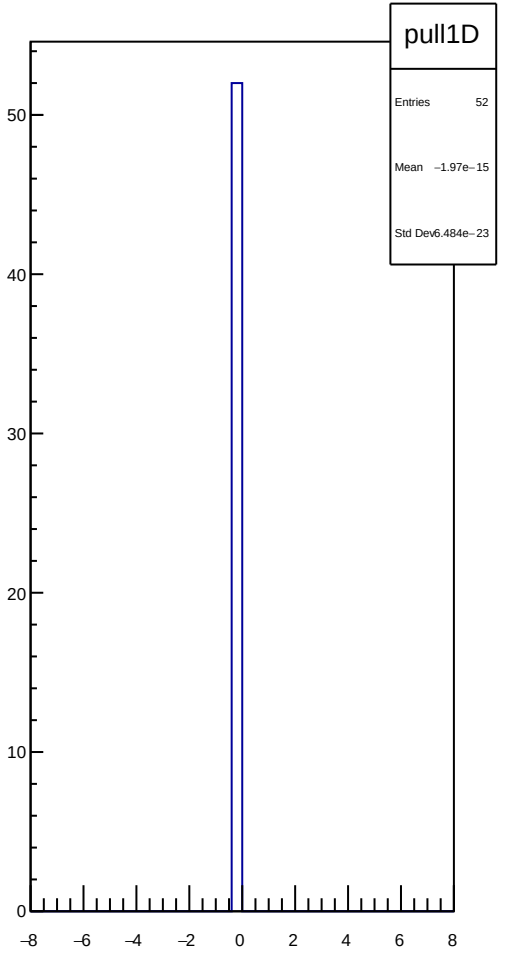

dit_sam4_4eY_slope vs run
χ² / ndf 2.44e−24 / 51
p0 306.4 ± 0.4003
309
308
307
306
305
304
303
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

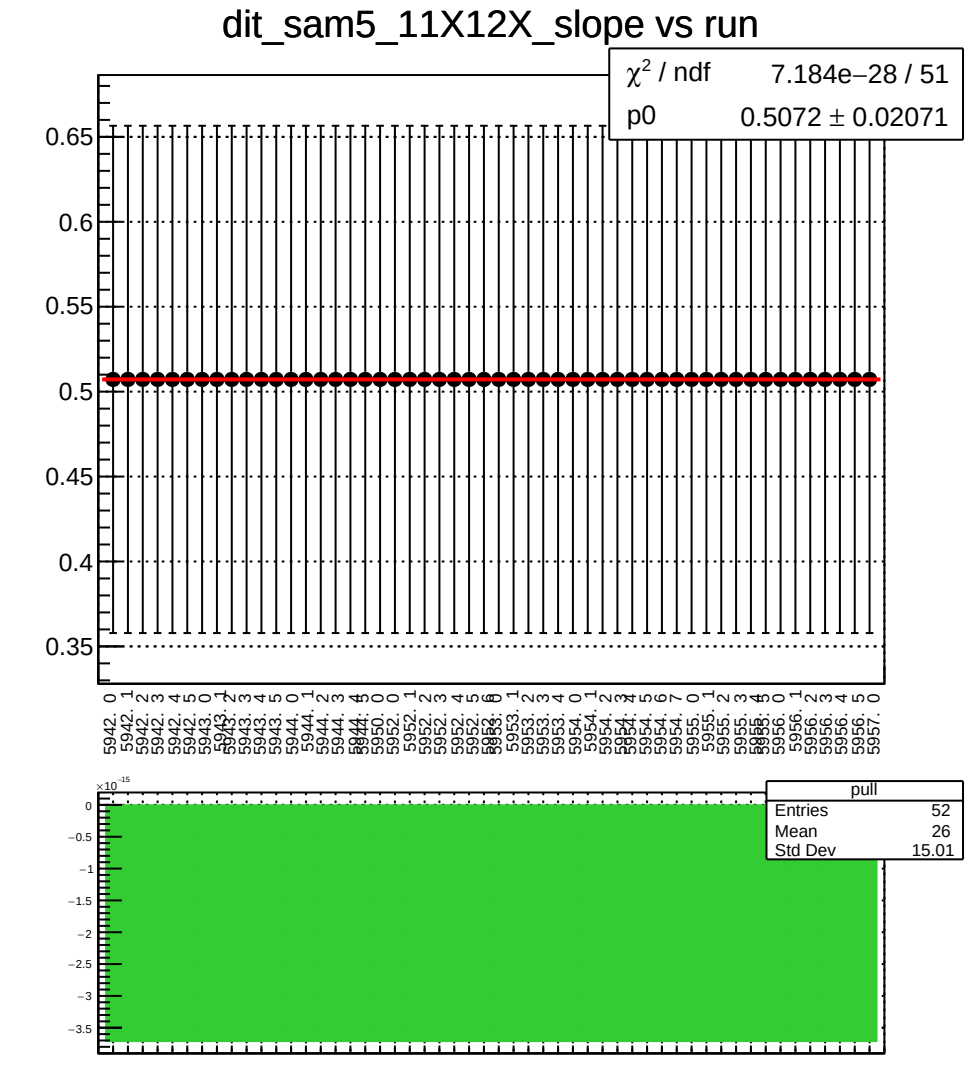

pull1D
Entries 52
Mean −2.166e−13
Std Dev7.576e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

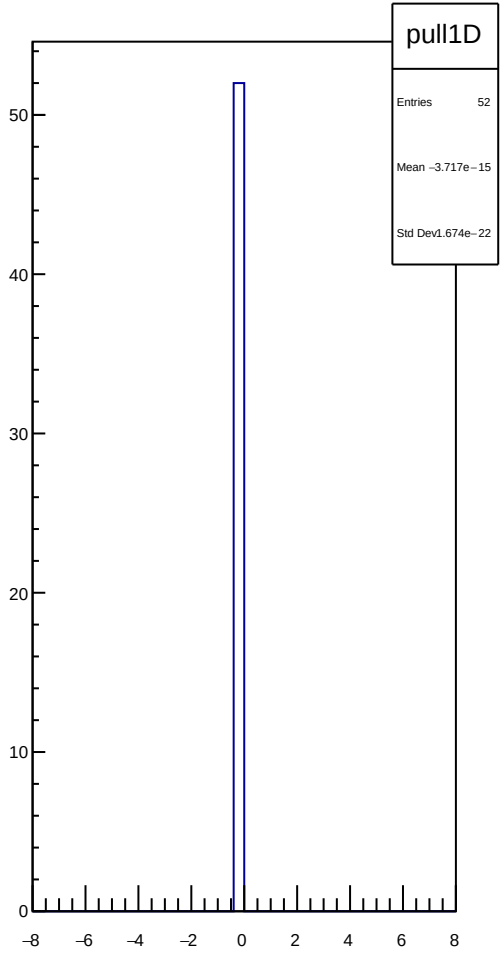

dit_sam5_4aX_slope vs run
χ² / ndf 5.428e−27 / 51
p0 3.722 ± 0.09644
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

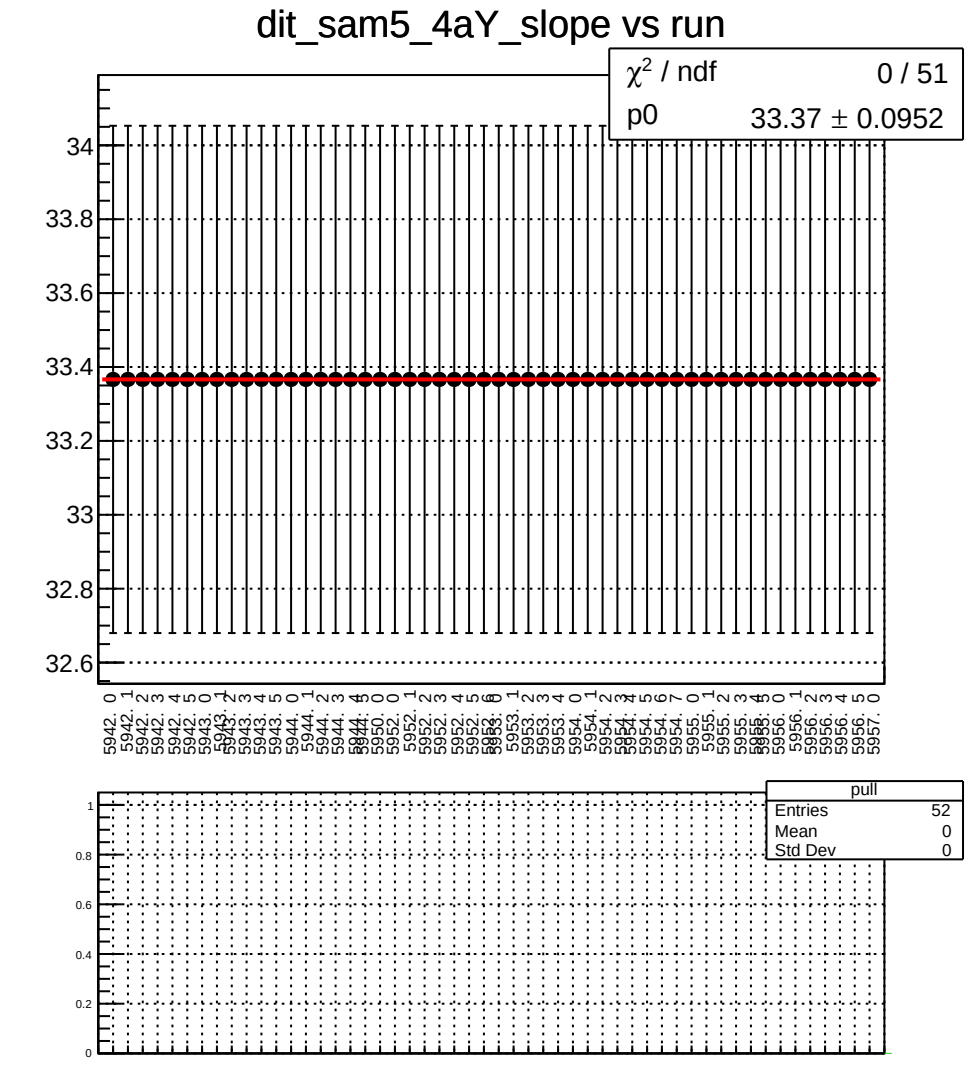

pull1D
Entries 52
Mean 1.022e−14
Std Dev 3.348e−22

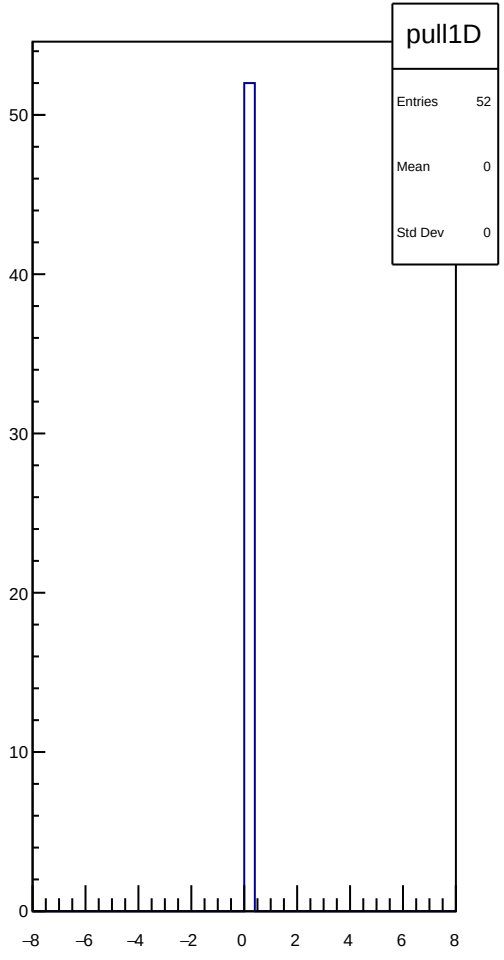

dit_sam5_4eX_slope vs run
χ² / ndf 2.019e−28 / 51
p0 −2.257 ± 0.09377
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
−3
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

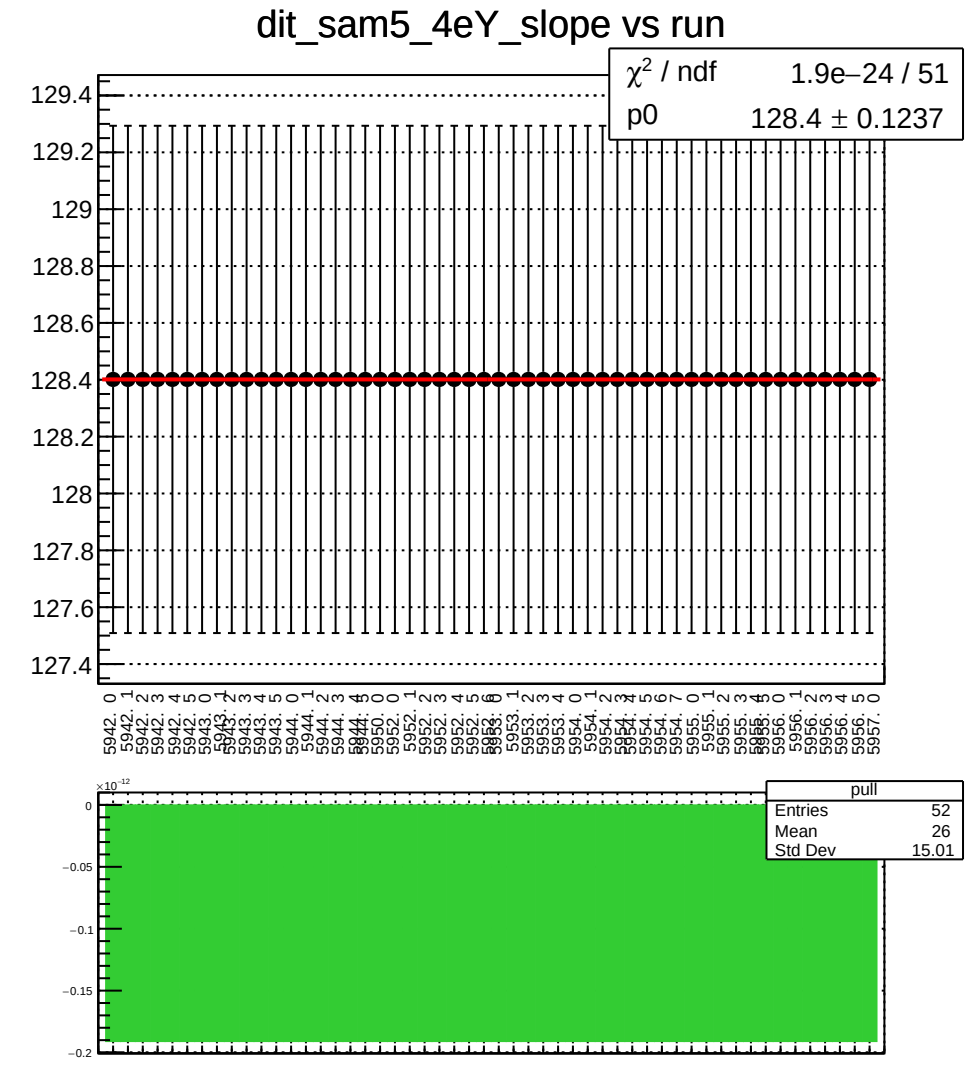

pull1D
Entries 52
Mean −1.97e−15
Std Dev 6.484e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

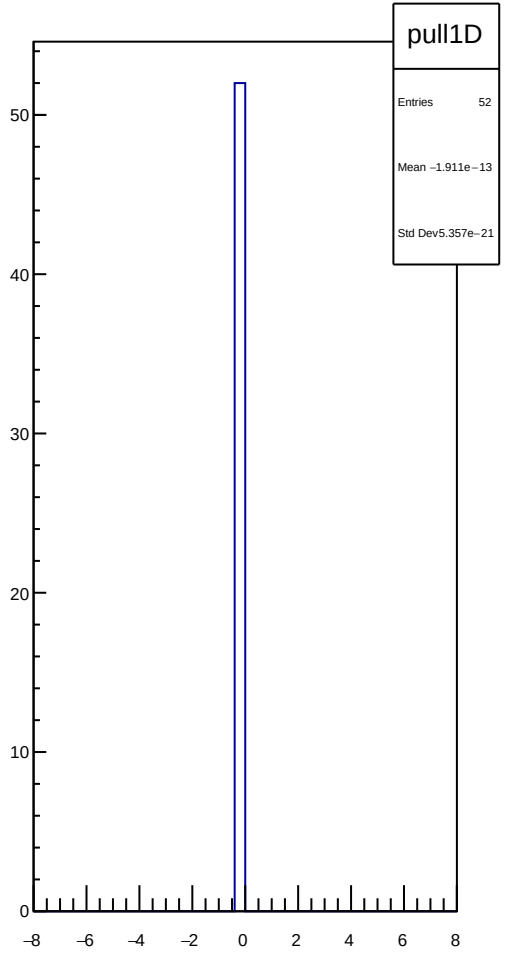

dit_sam5_11X12X_slope vs run
χ² / ndf 7.184e−28 / 51
p0 0.5072 ± 0.02071
0.65
0.6
0.55
0.5
0.45
0.4
0.35
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

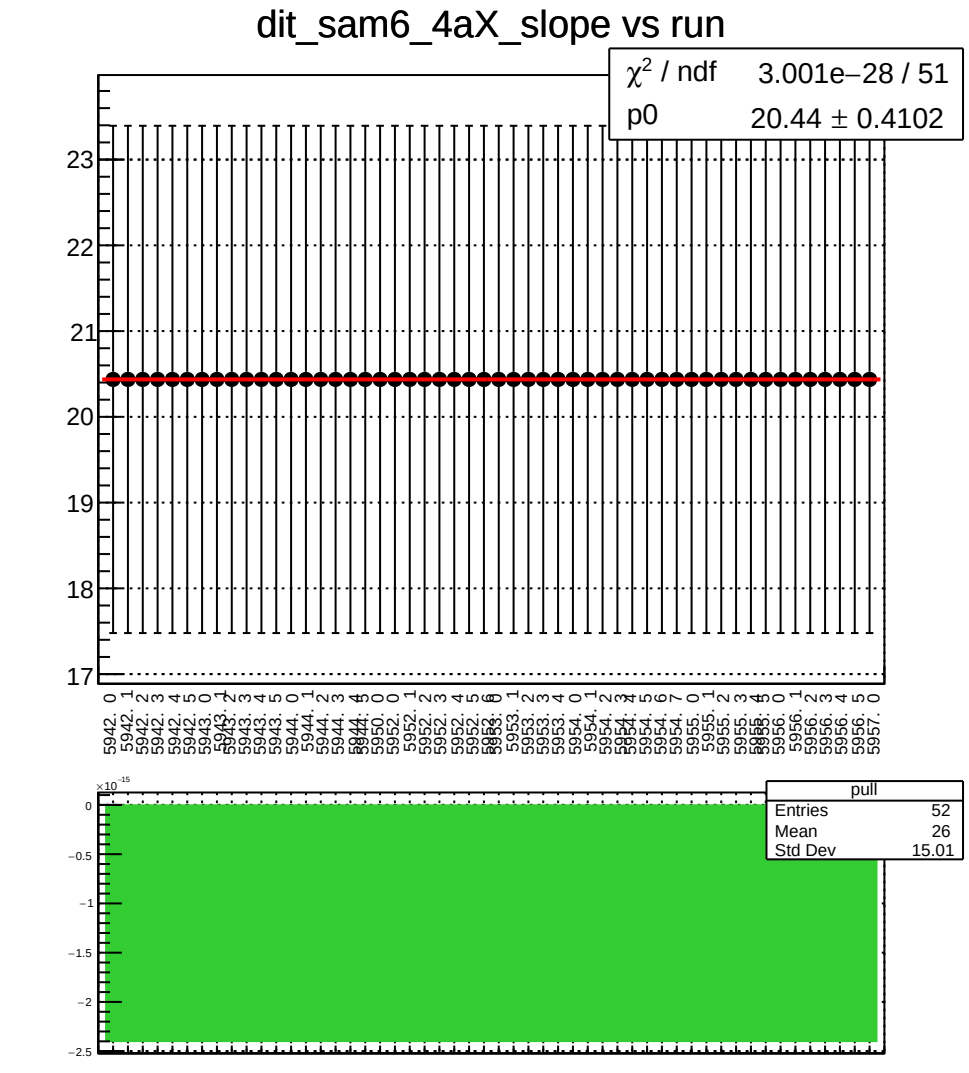

pull1D
Entries 52
Mean −3.717e−15
Std Dev1.674e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

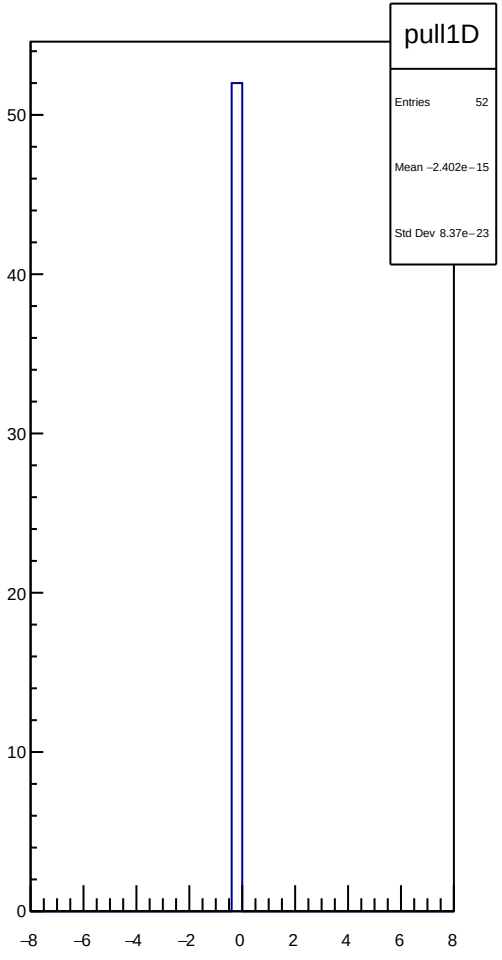

dit_sam5_4aY_slope vs run
χ² / ndf 0 / 51
p0 33.37 ± 0.0952
pull
Entries 52
Mean 0
Std Dev 0

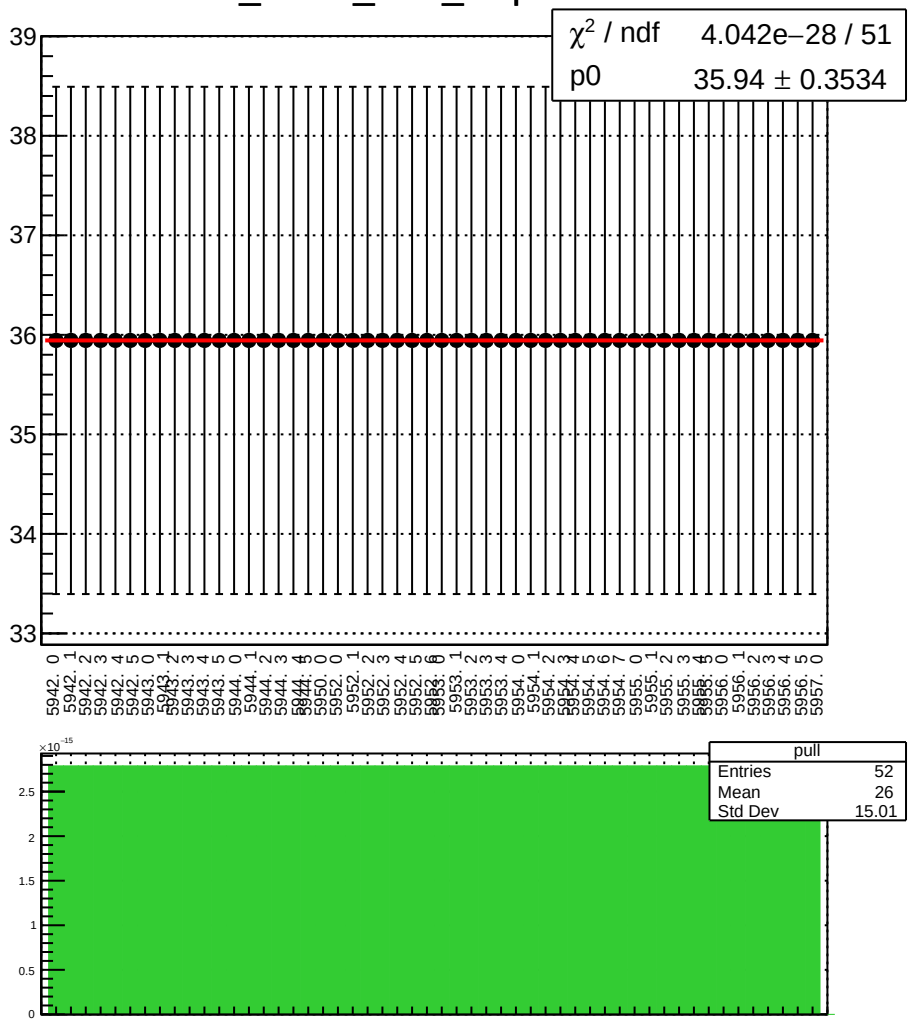

pull1D
Entries 52
Mean 0
Std Dev 0

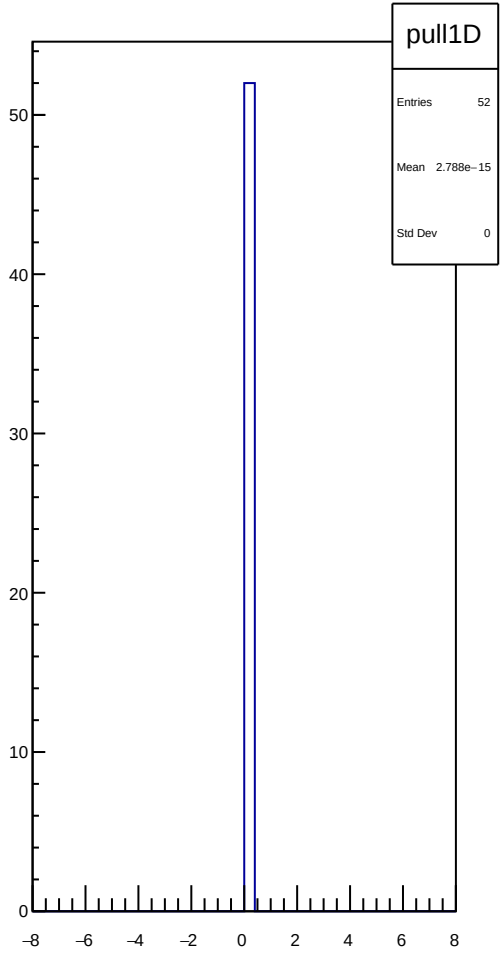

dit_sam5_4eY_slope vs run
χ² / ndf 1.9e−24 / 51
p0 128.4 ± 0.1237
129.4
129.2
129
128.8
128.6
128.4
128.2
128
127.8
127.6
127.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

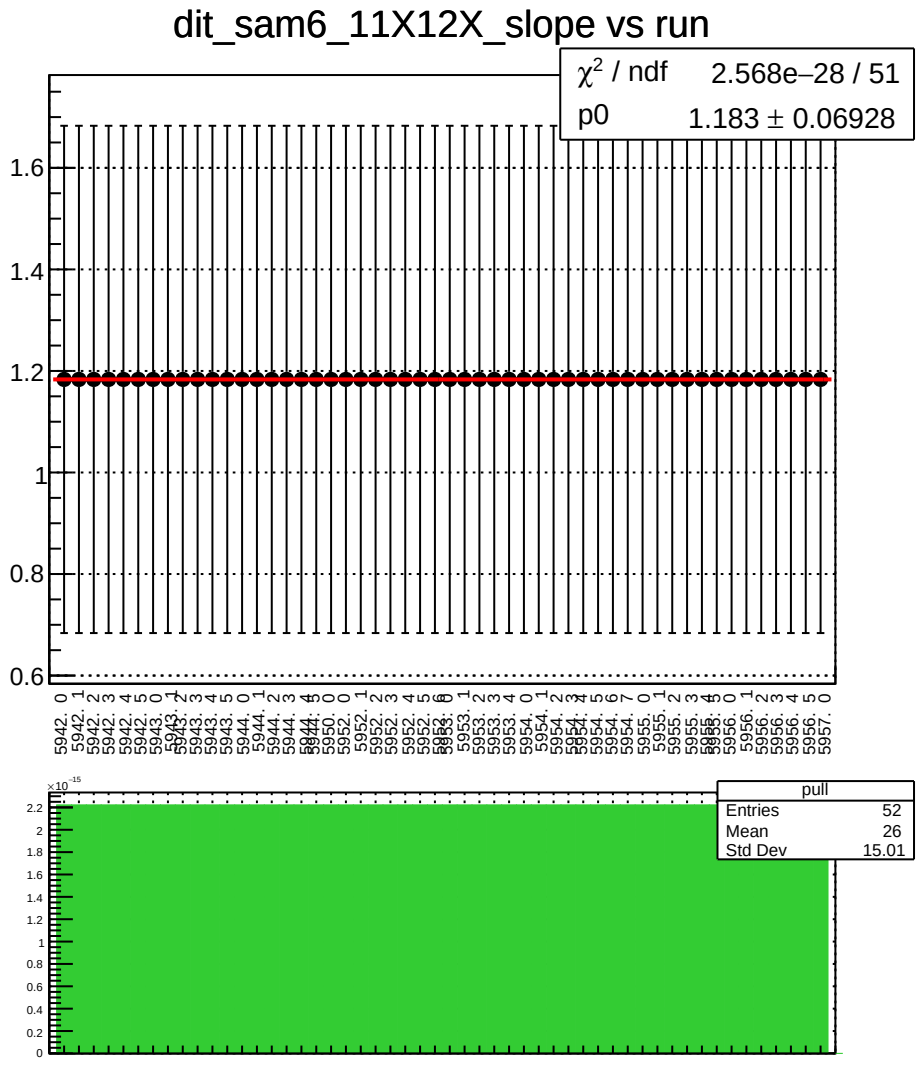

pull1D
Entries 52
Mean −1.911e−13
Std Dev5.357e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

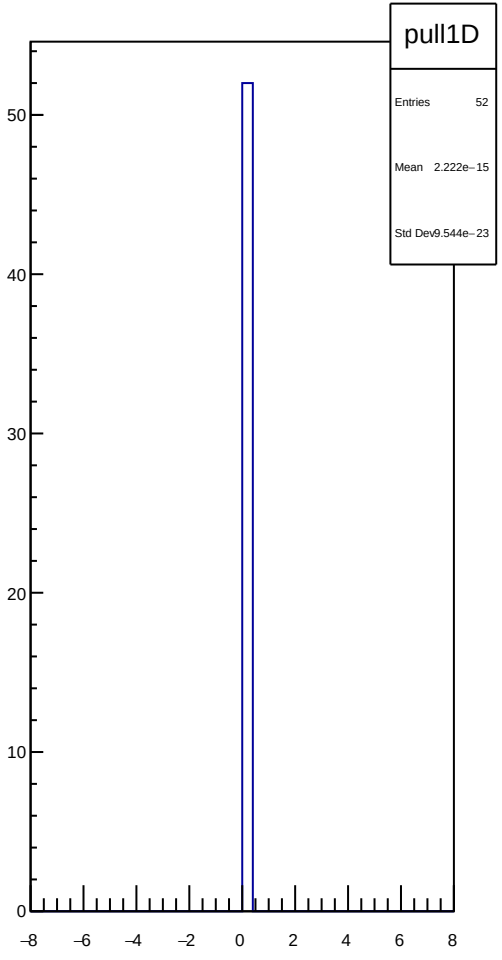

dit_sam6_4aX_slope vs run
χ² / ndf 3.001e−28 / 51
p0 20.44 ± 0.4102
pull
Entries 52
Mean 26
Std Dev 15.01

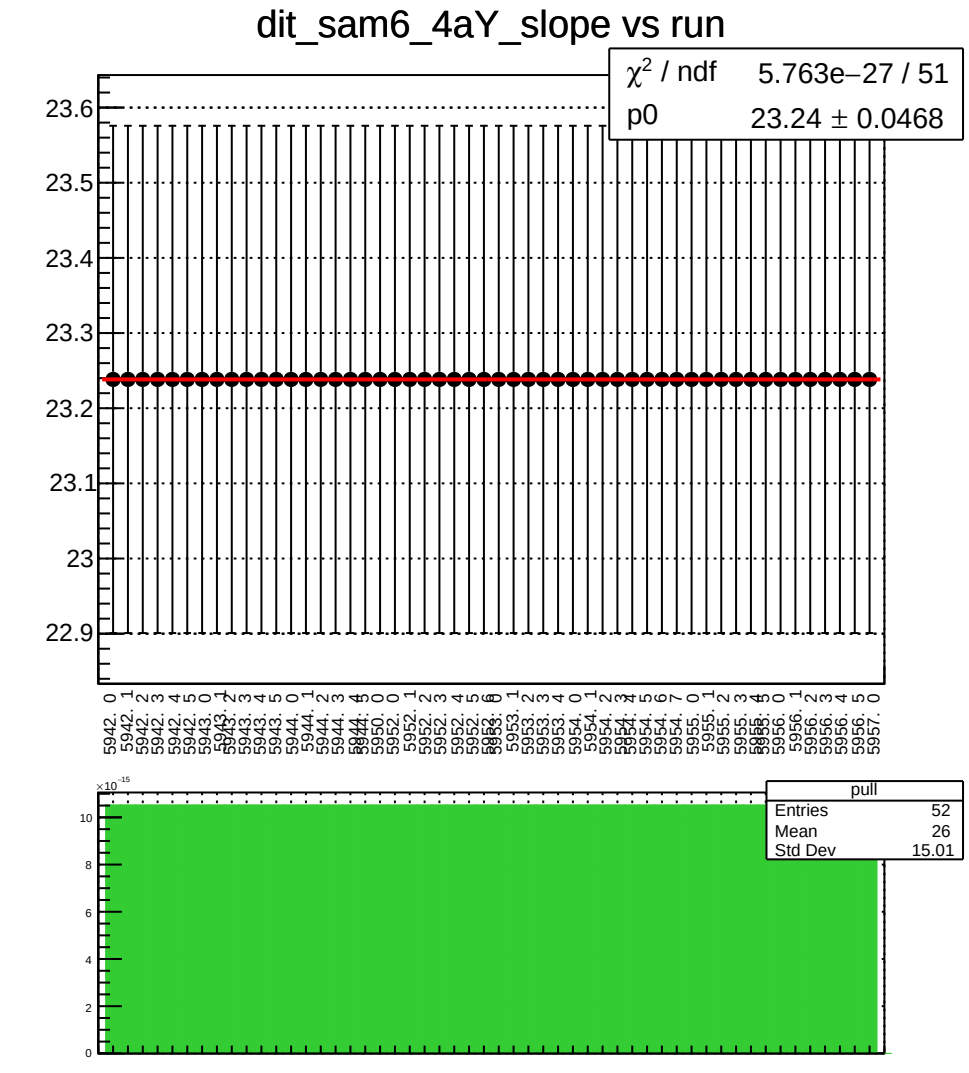

pull1D
Entries 52
Mean −2.402e−15
Std Dev 8.37e−23

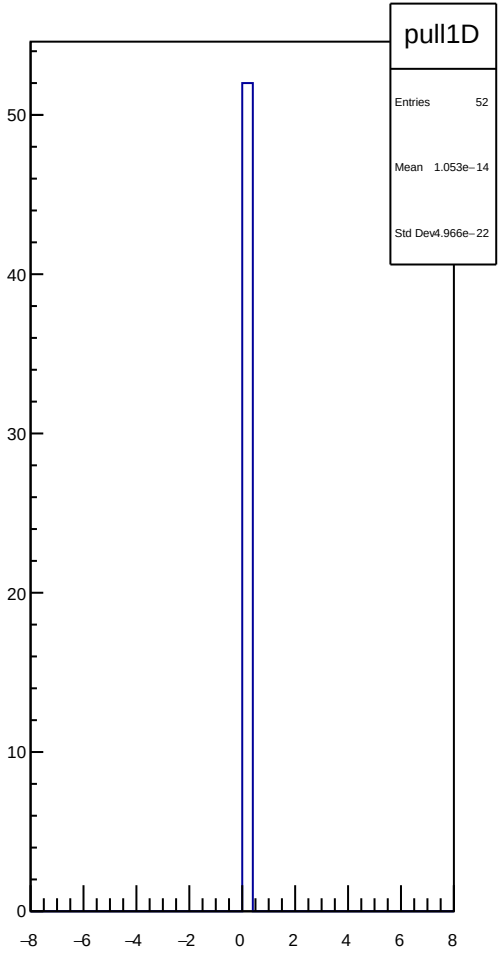

dit_sam6_4eX_slope vs run
χ² / ndf 4.042e−28 / 51
p0 35.94 ± 0.3534
pull
Entries 52
Mean 26
Std Dev 15.01

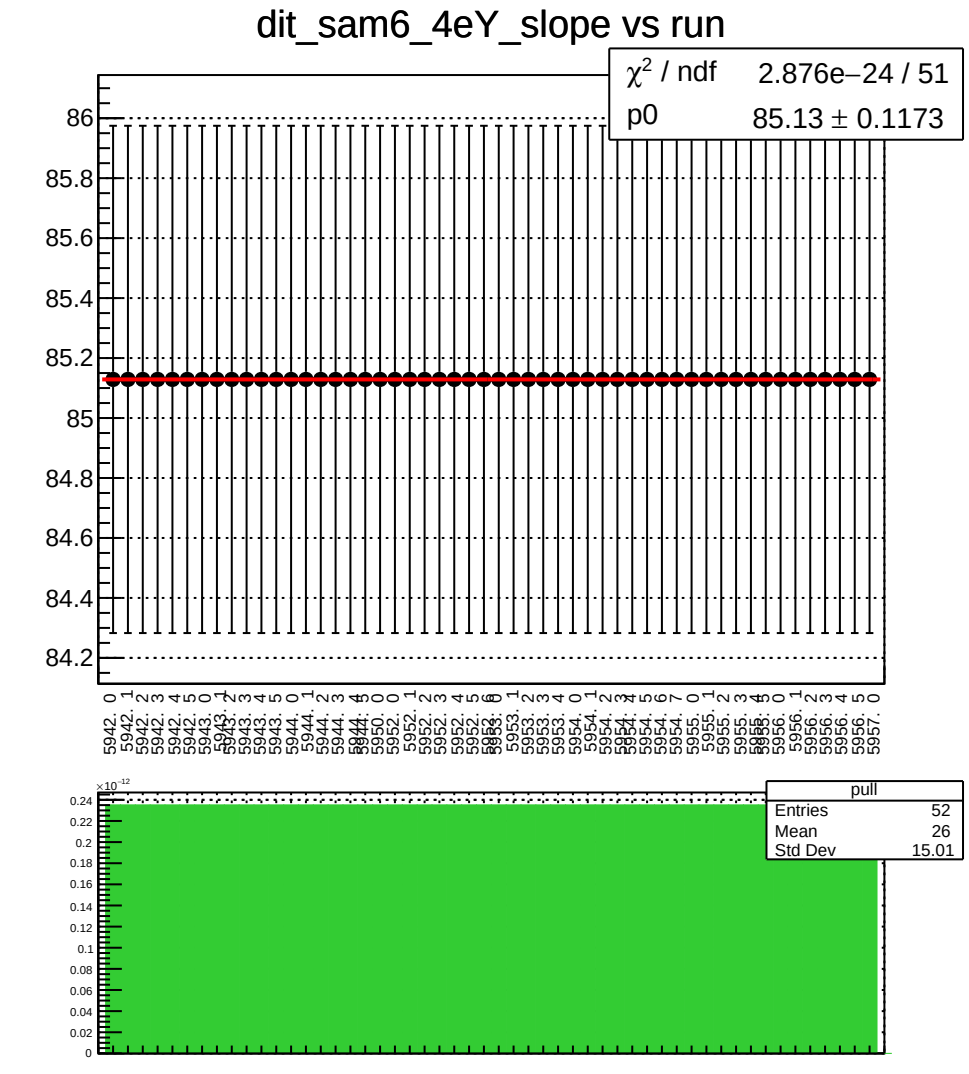

pull1D
Entries 52
Mean 2.788e−15
Std Dev 0

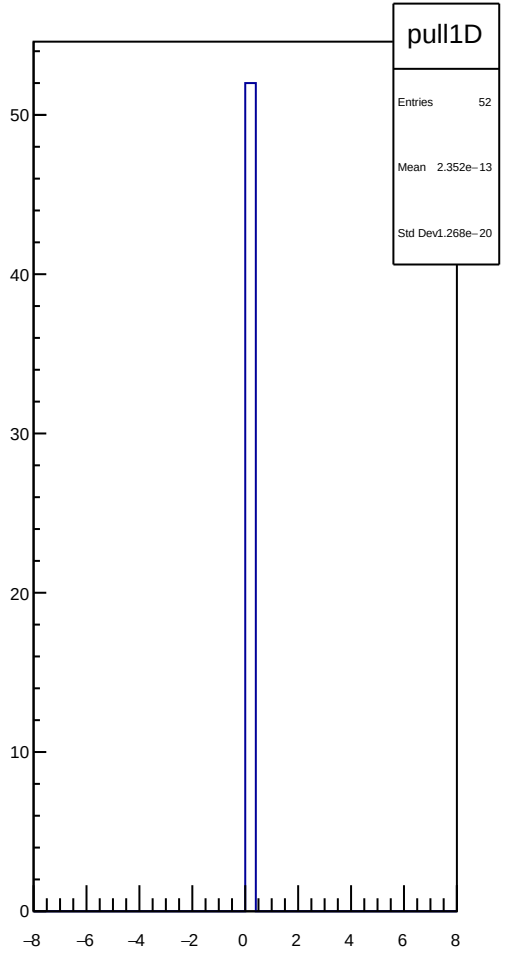

dit_sam6_11X12X_slope vs run
χ² / ndf 2.568e−28 / 51
p0 1.183 ± 0.06928
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

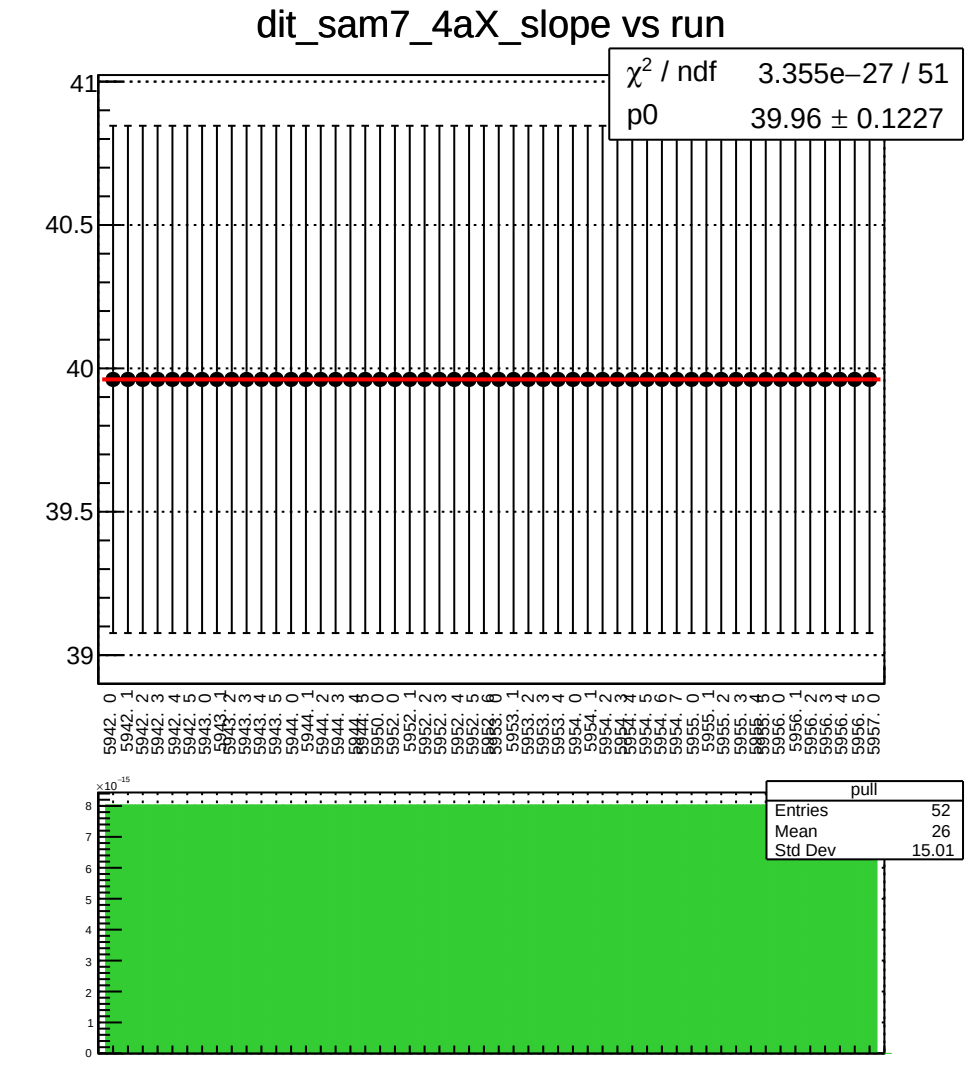

pull1D
Entries 52
Mean 2.222e−15
Std Dev 9.544e−23

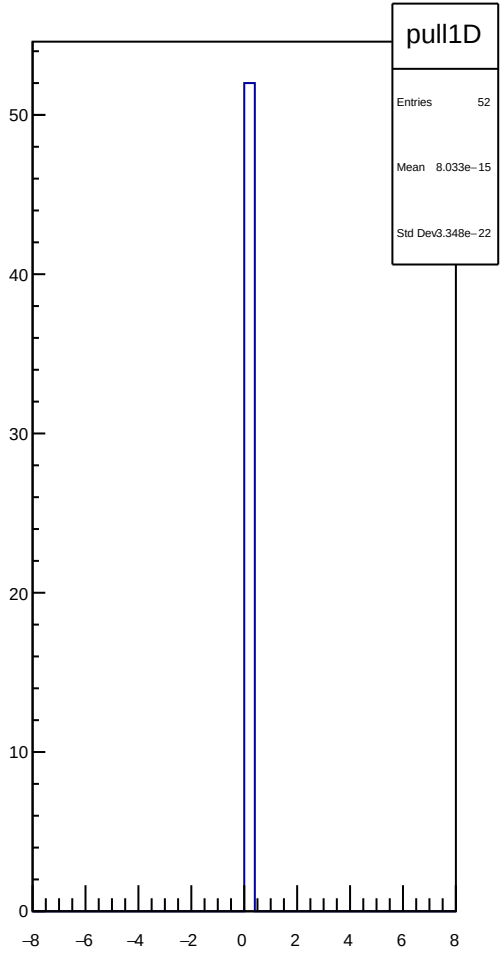

dit_sam6_4aY_slope vs run
χ² / ndf 5.763e−27 / 51
p0 23.24 ± 0.0468
23.6
23.5
23.4
23.3
23.2
23.1
23
22.9
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
10
8
6
4
2
0

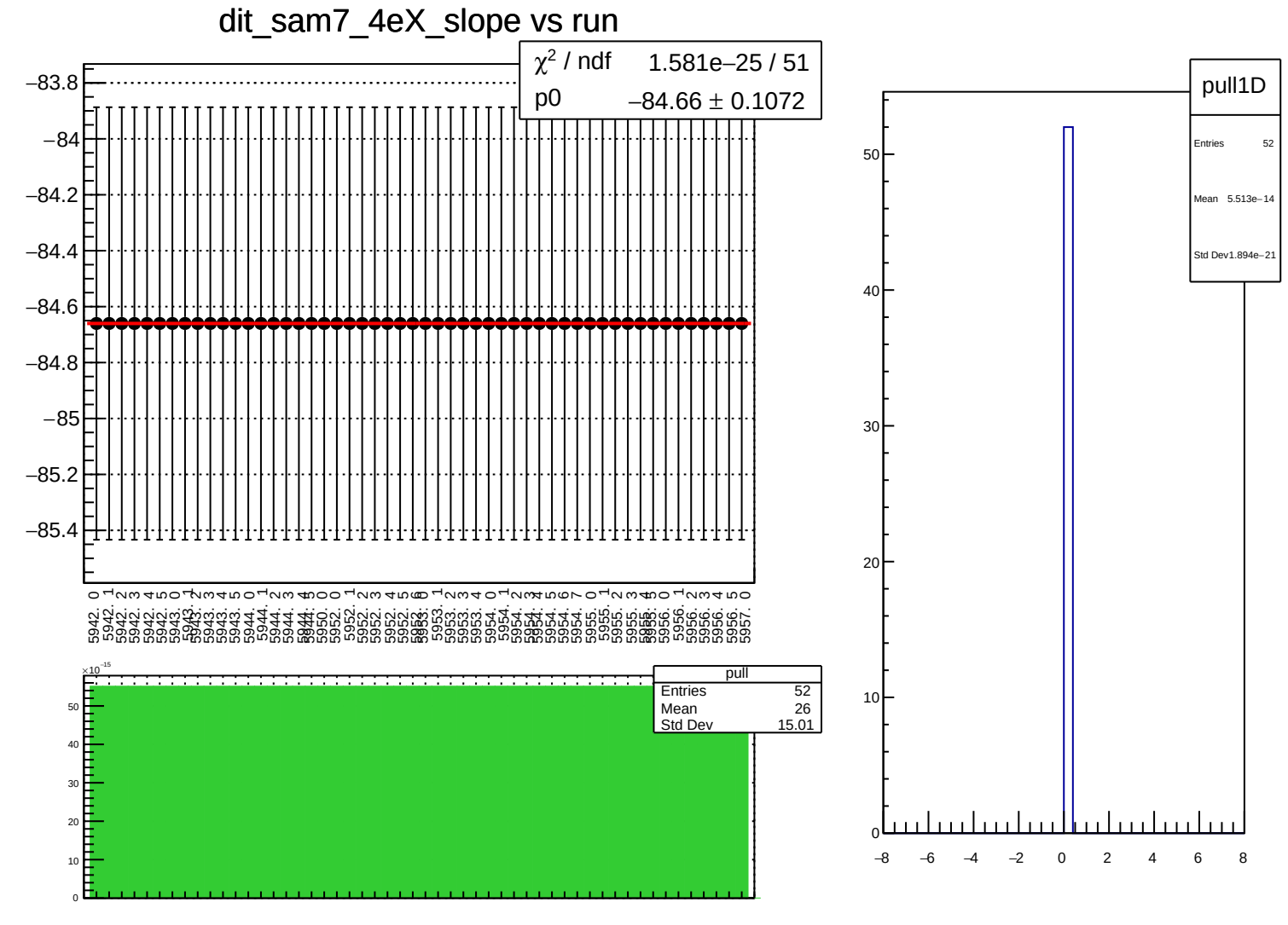

pull1D
Entries 52
Mean 1.053e−14
Std Dev 4.966e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

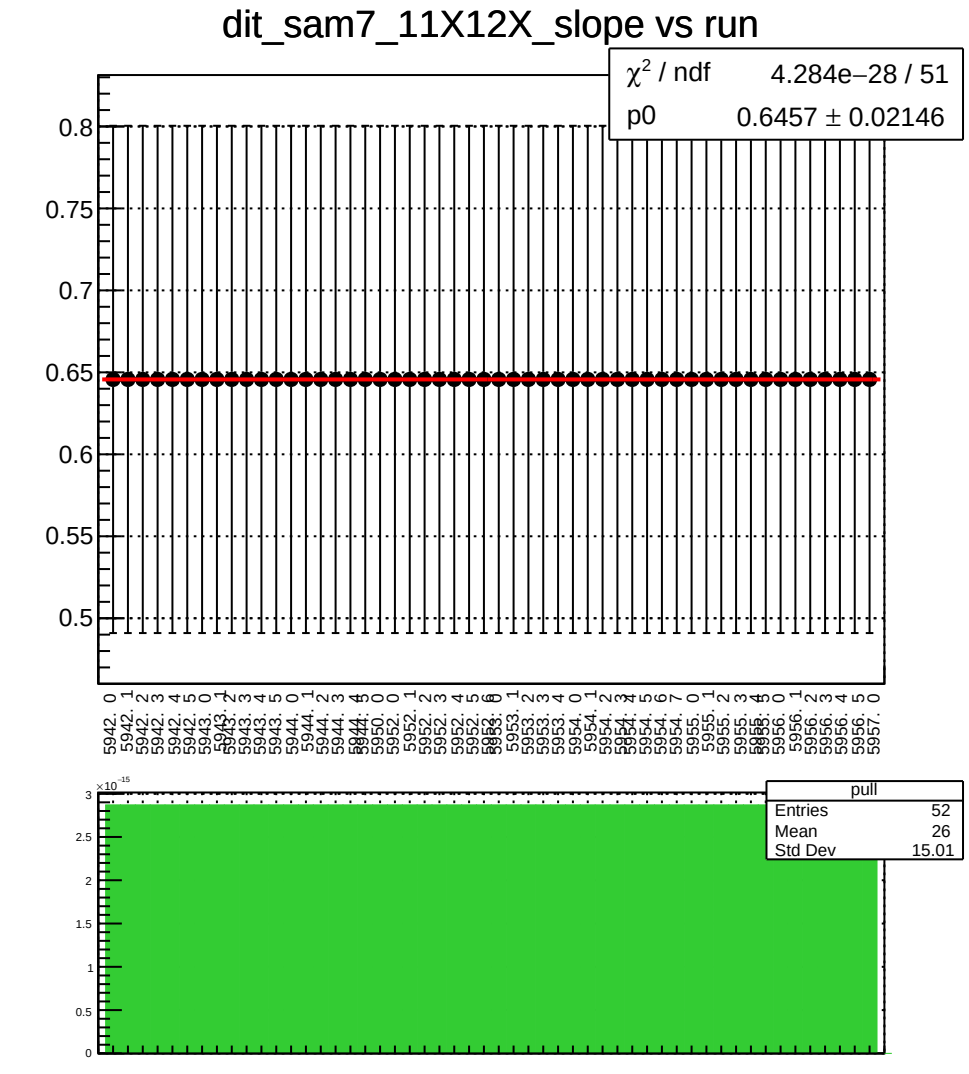

dit_sam6_4eY_slope vs run
χ² / ndf 2.876e−24 / 51
p0 85.13 ± 0.1173
86
85.8
85.6
85.4
85.2
85
84.8
84.6
84.4
84.2
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

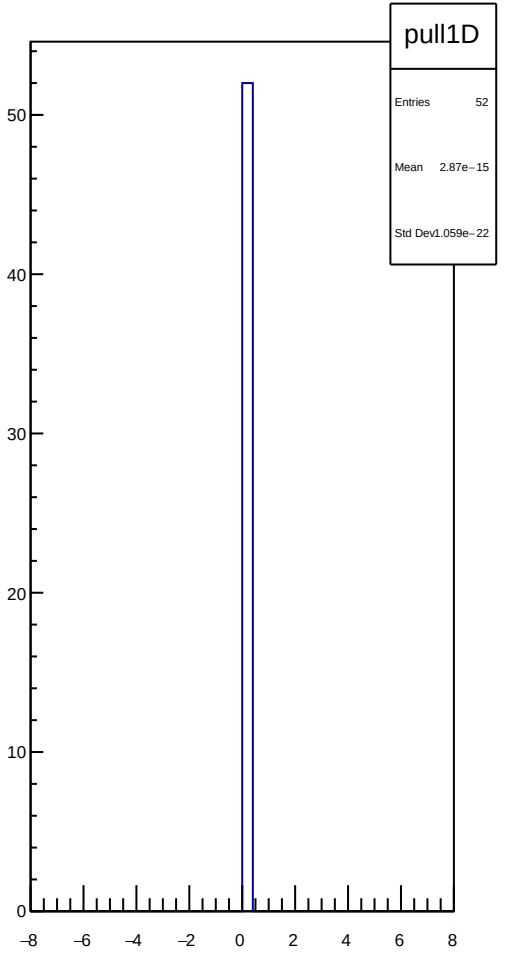

pull1D
Entries 52
Mean 2.352e−13
Std Dev1.268e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

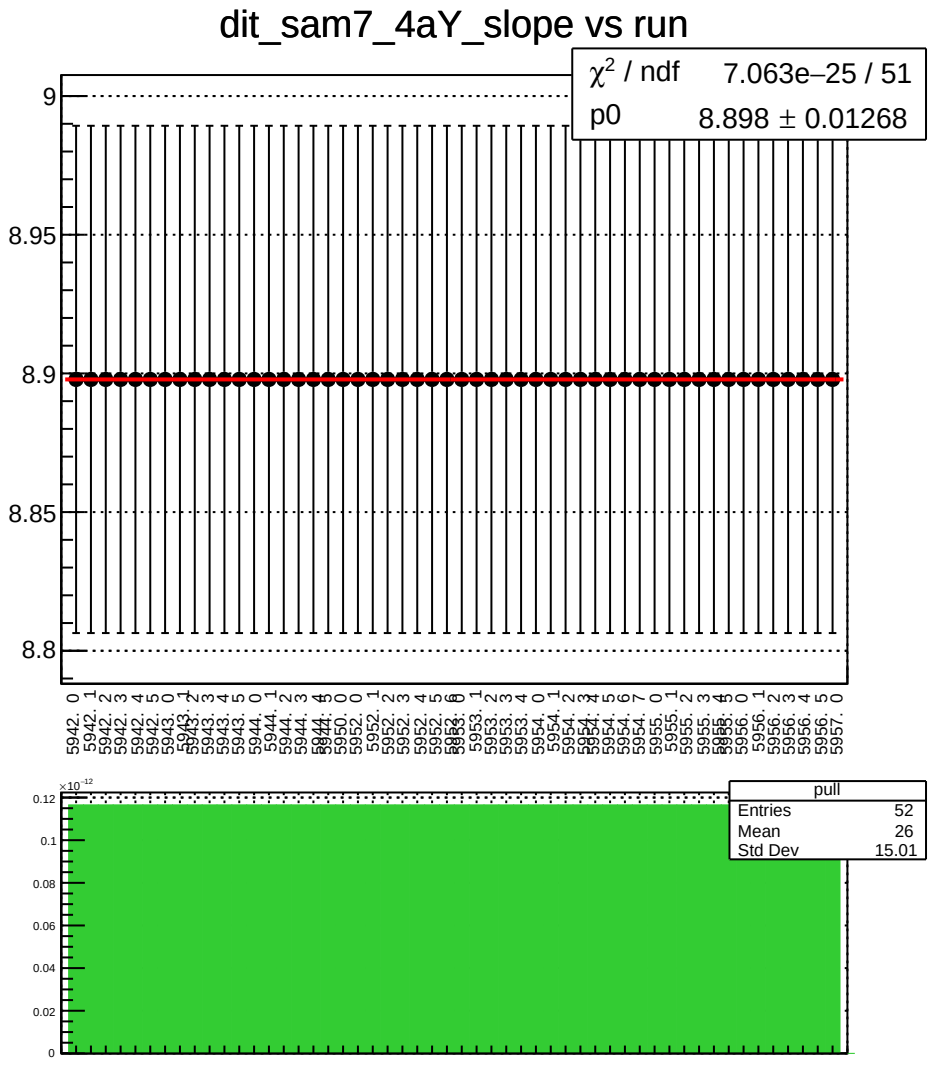

dit_sam7_4aX_slope vs run
χ^2 / ndf 3.355e−27 / 51
p0 39.96 ± 0.1227
41
40.5
40
39.5
39
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

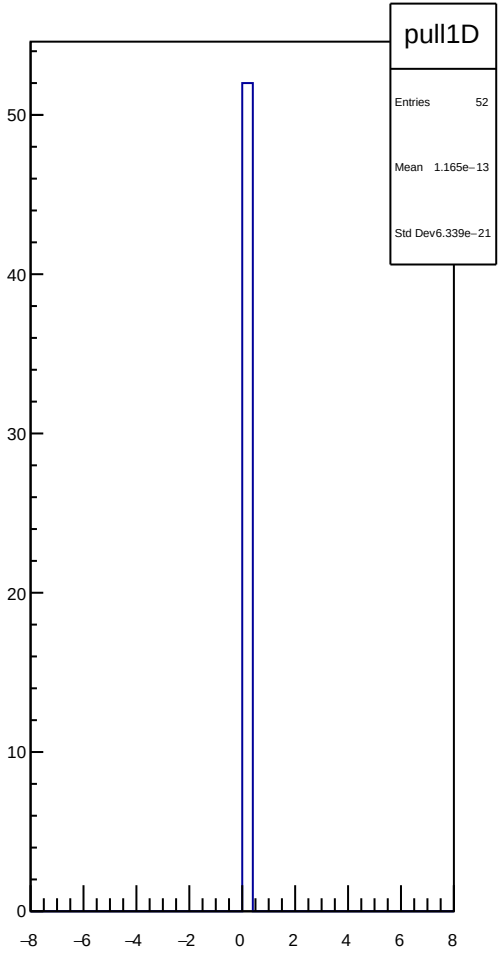

pull1D
Entries 52
Mean 8.033e−15
Std Dev3.348e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

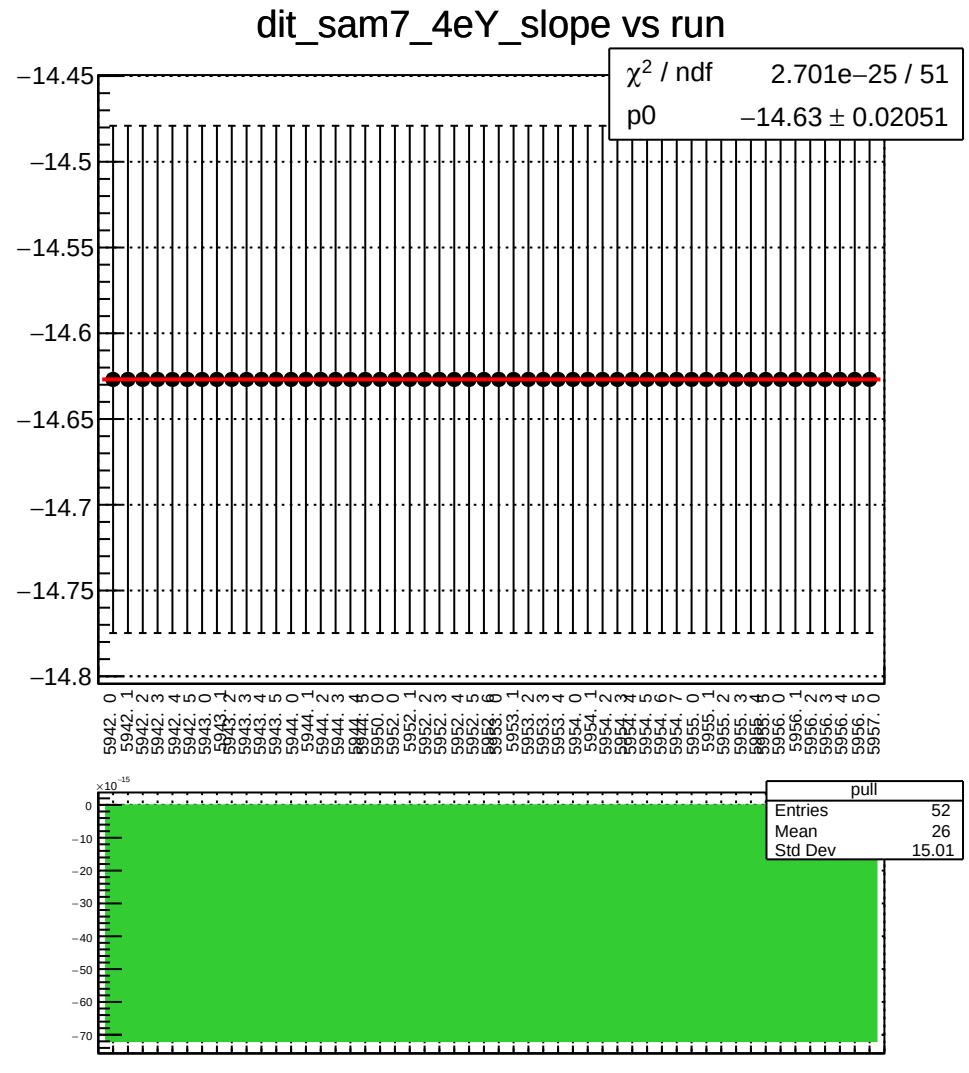

dit_sam7_4eX_slope vs run
χ² / ndf 1.581e−25 / 51
p0 −84.66 ± 0.1072
−83.8
−84
−84.2
−84.4
−84.6
−84.8
−85
−85.2
−85.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
pull1D
Entries 52
Mean 5.513e−14
Std Dev 1.894e−21

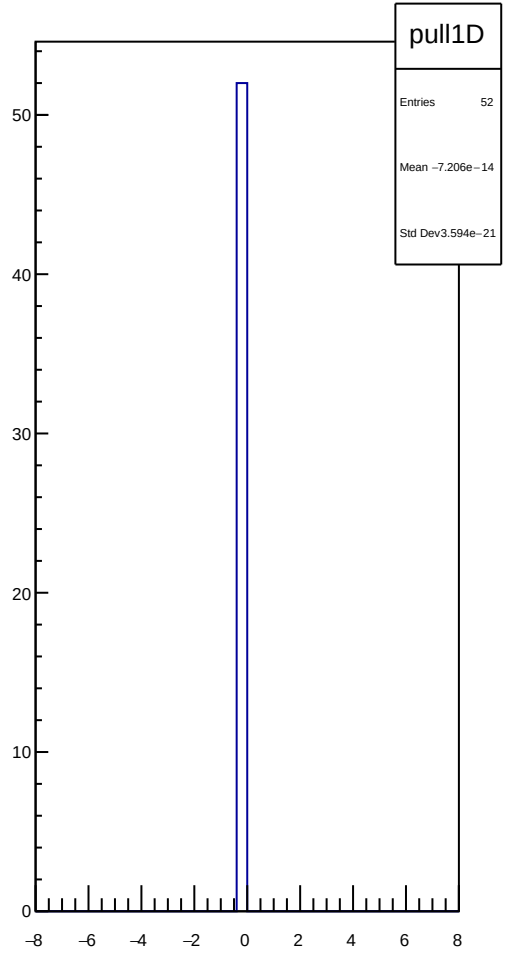

dit_sam7_11X12X_slope vs run
χ² / ndf 4.284e−28 / 51
p0 0.6457 ± 0.02146
0.8
0.75
0.7
0.65
0.6
0.55
0.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0

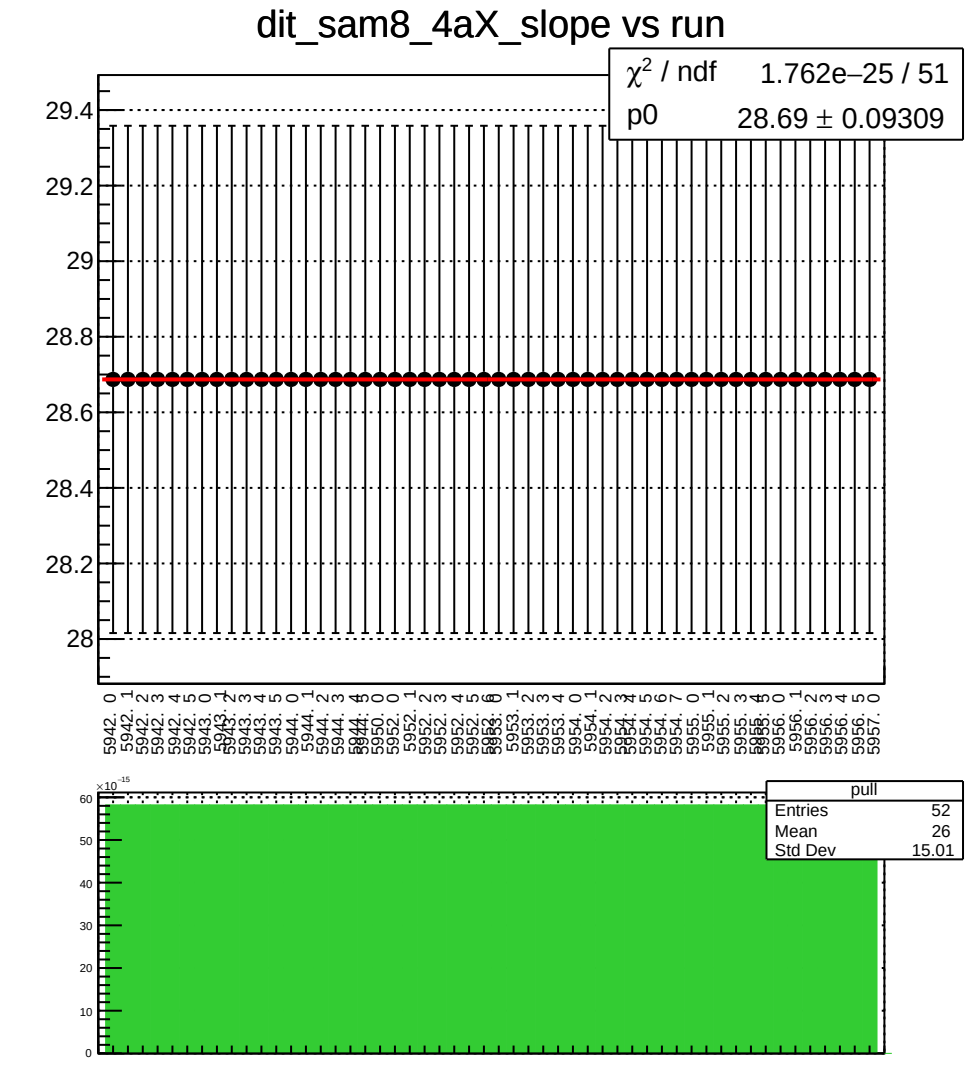

pull1D
Entries 52
Mean 2.87e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

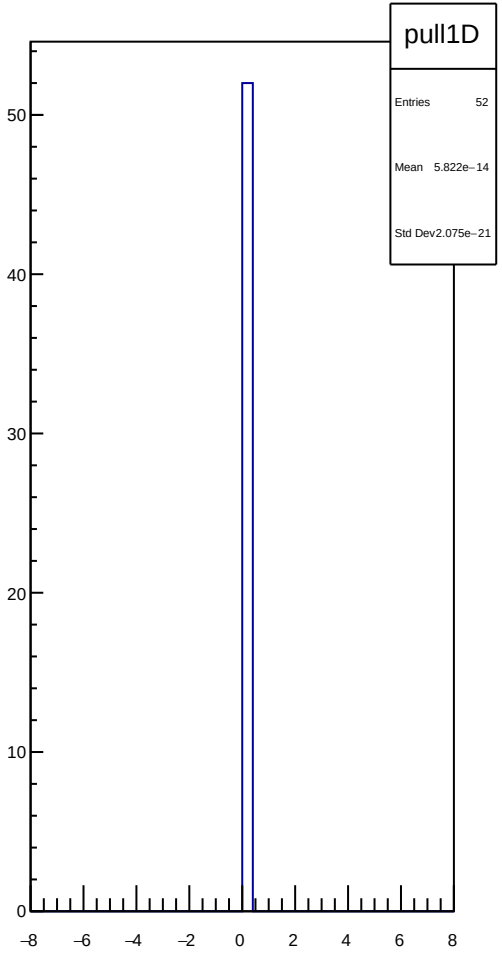

dit_sam7_4aY_slope vs run
χ² / ndf 7.063e−25 / 51
p0 8.898 ± 0.01268
9
8.95
8.9
8.85
8.8
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

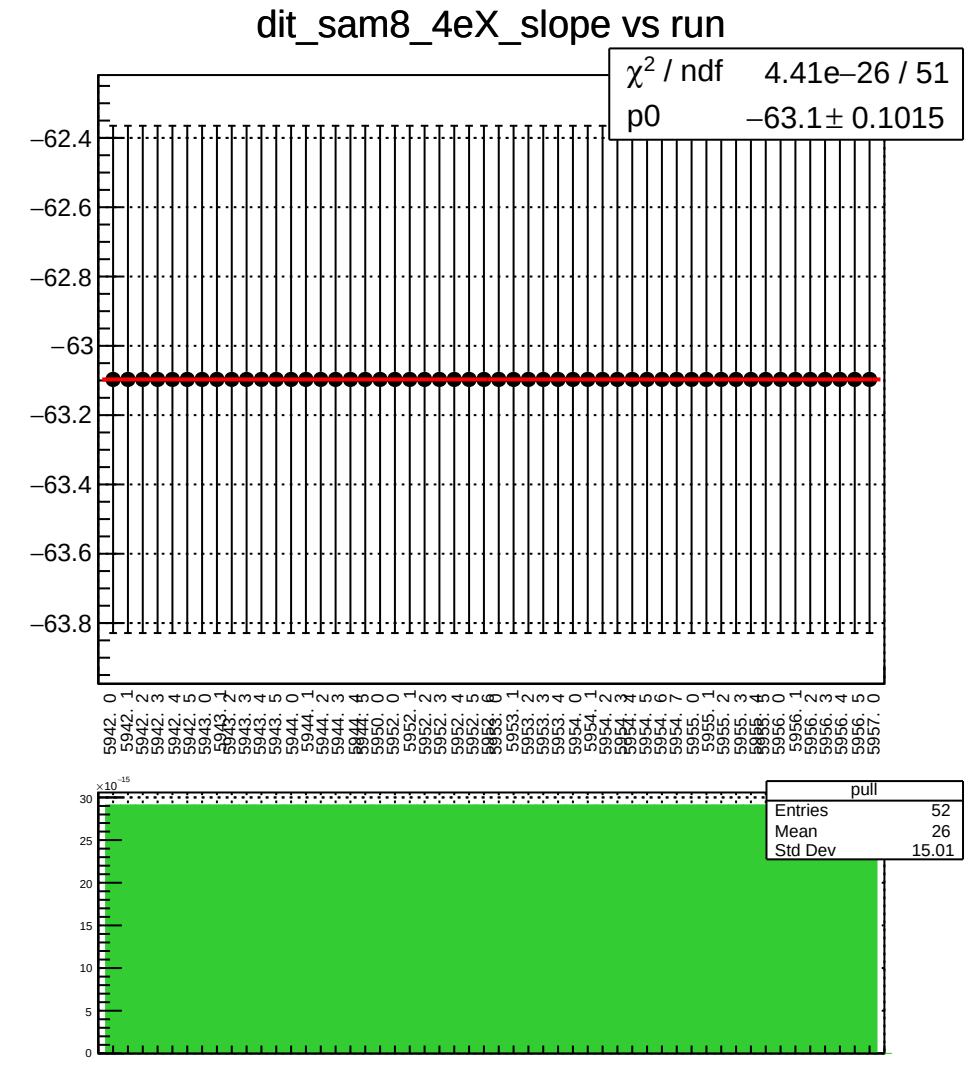

pull1D
Entries 52
Mean 1.165e−13
Std Dev6.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

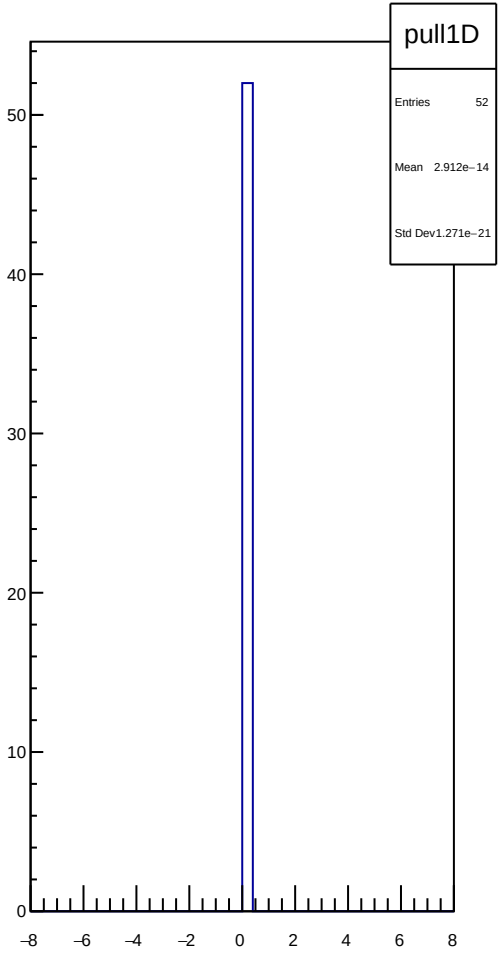

dit_sam7_4eY_slope vs run
χ² / ndf 2.701e−25 / 51
p0 −14.63 ± 0.02051
−14.45
−14.5
−14.55
−14.6
−14.65
−14.7
−14.75
−14.8
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

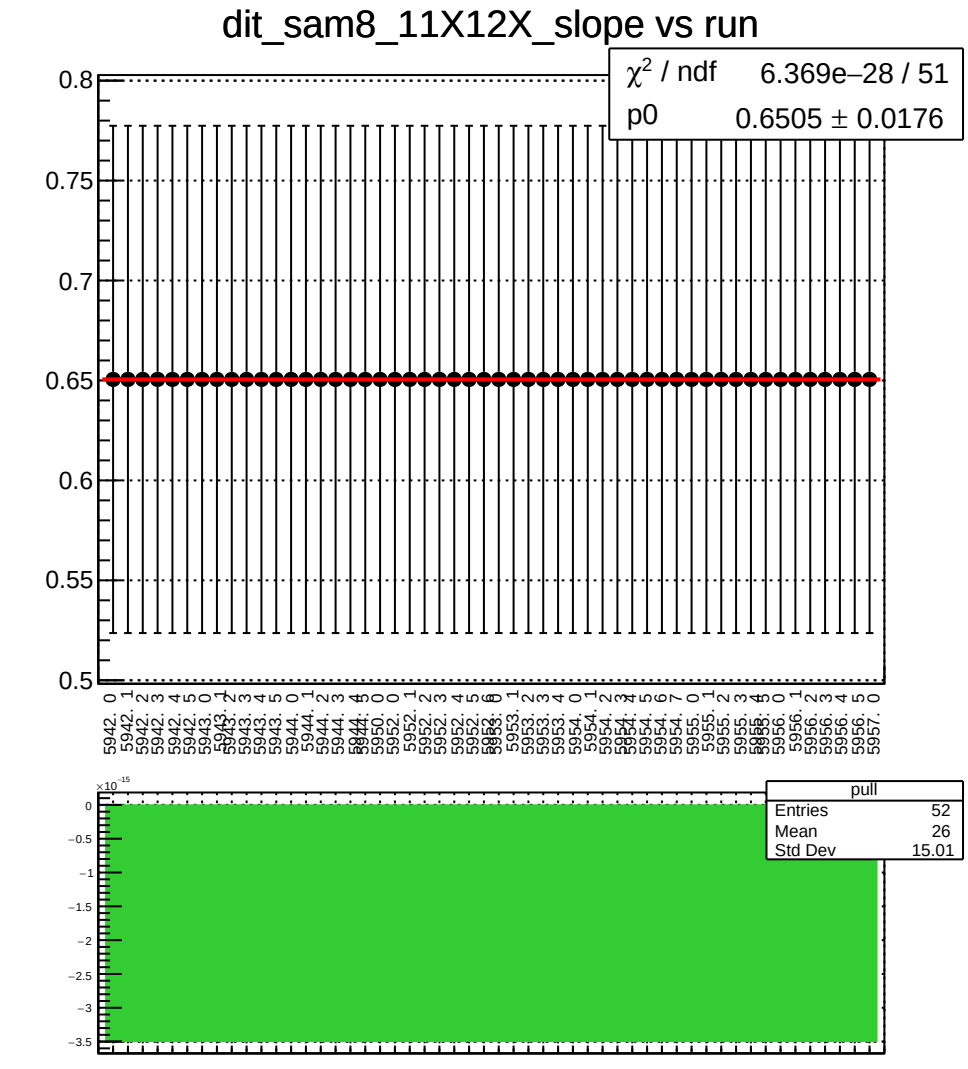

pull1D
Entries 52
Mean −7.206e−14
Std Dev3.594e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

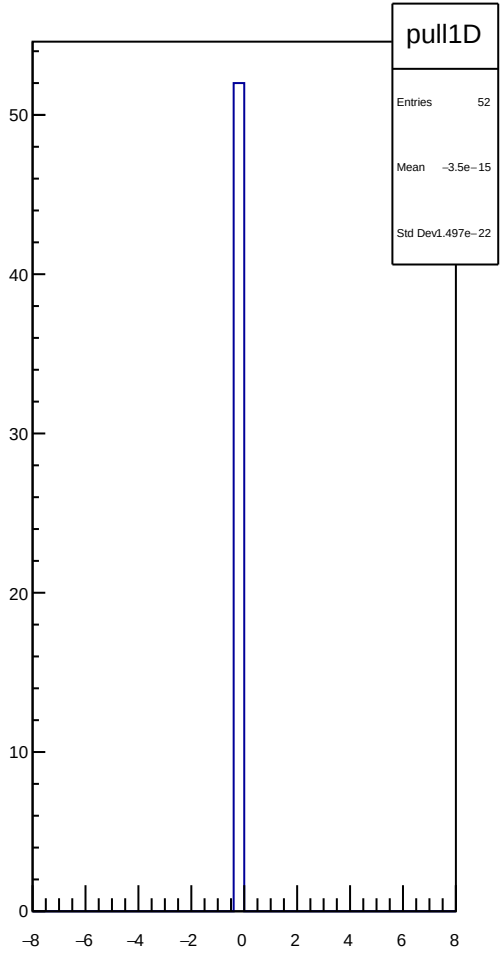

dit_sam8_4aX_slope vs run
χ² / ndf 1.762e−25 / 51
p0 28.69 ± 0.09309
29.4
29.2
29
28.8
28.6
28.4
28.2
28
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
60
50
40
30
20
10
0

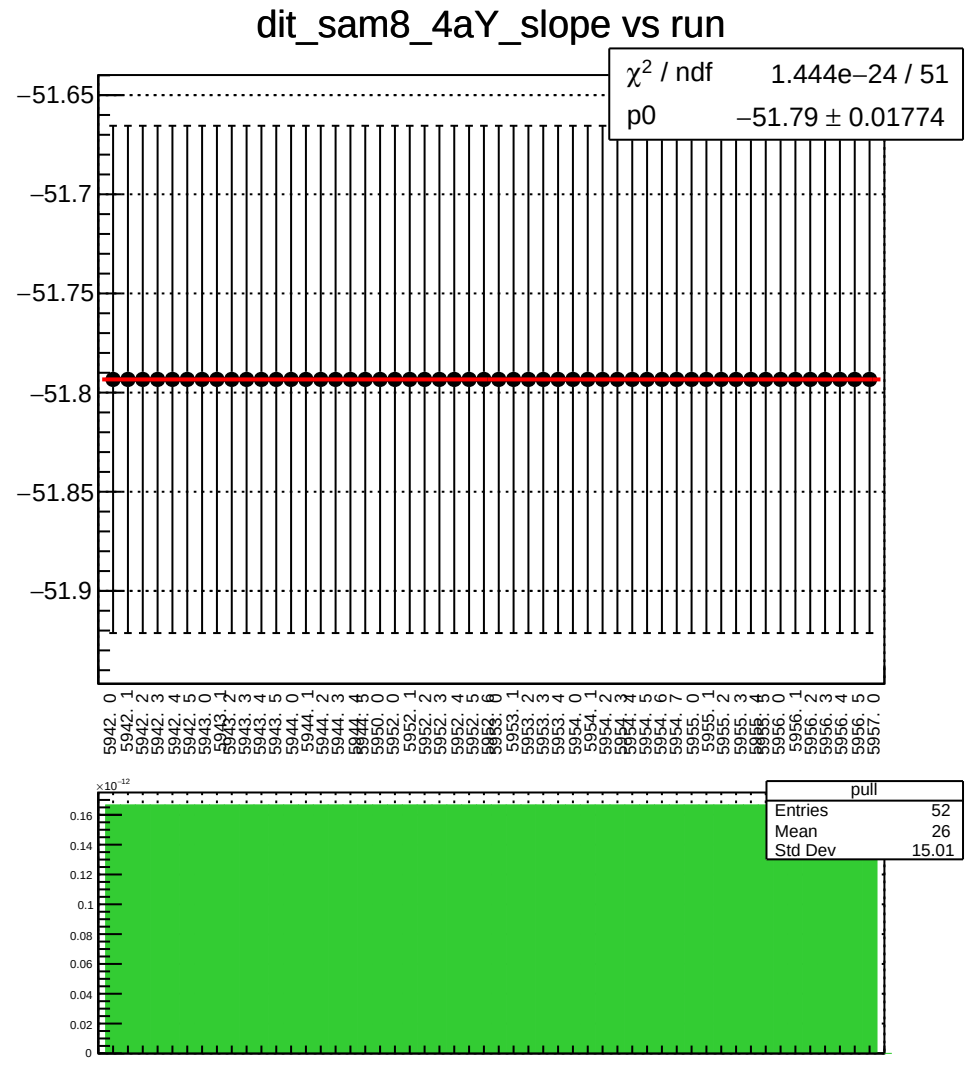

pull1D
Entries 52
Mean 5.822e−14
Std Dev2.075e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

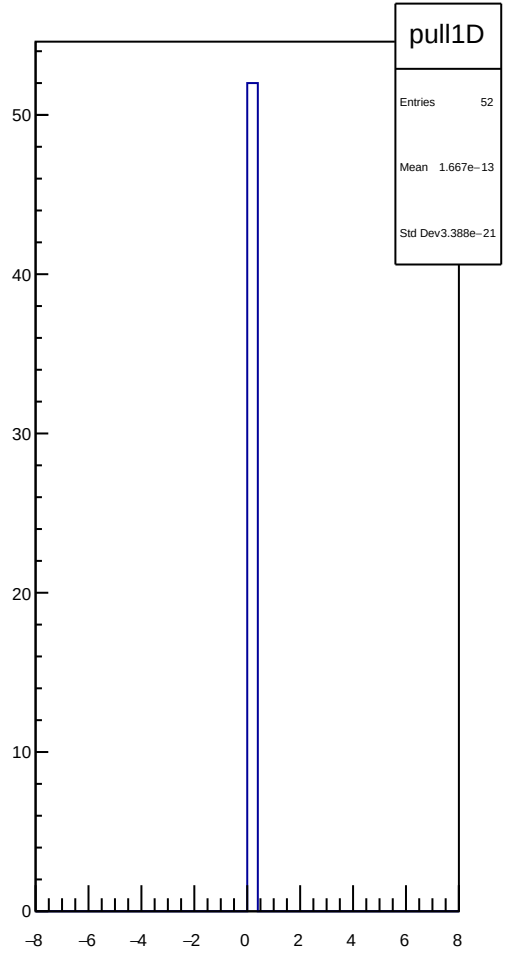

dit_sam8_4eX_slope vs run
χ² / ndf 4.41e−26 / 51
p0 −63.1 ± 0.1015
−62.4
−62.6
−62.8
−63
−63.2
−63.4
−63.6
−63.8
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
30
25
20
15
10
5
0

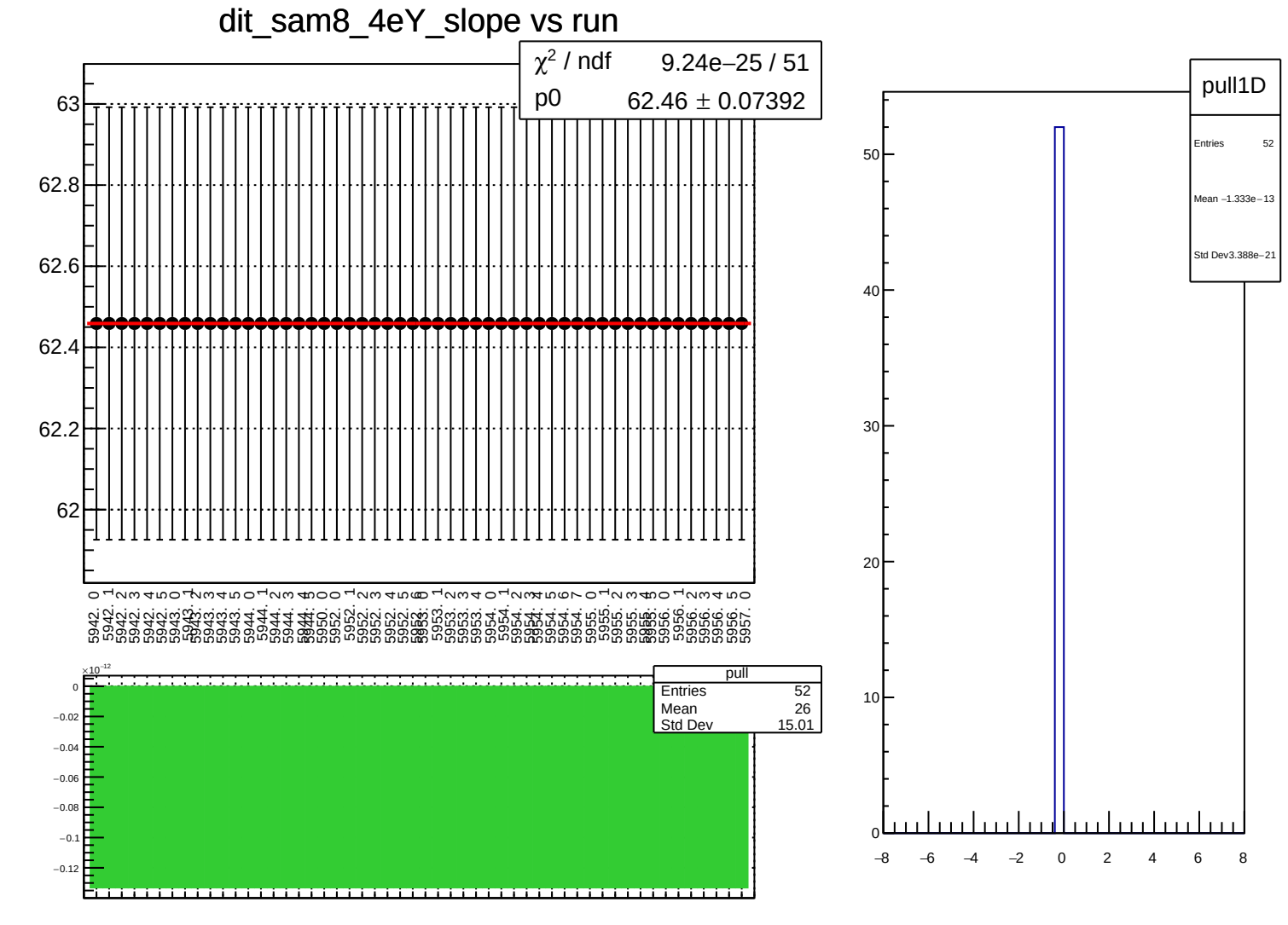

pull1D
Entries 52
Mean 2.912e−14
Std Dev 1.271e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

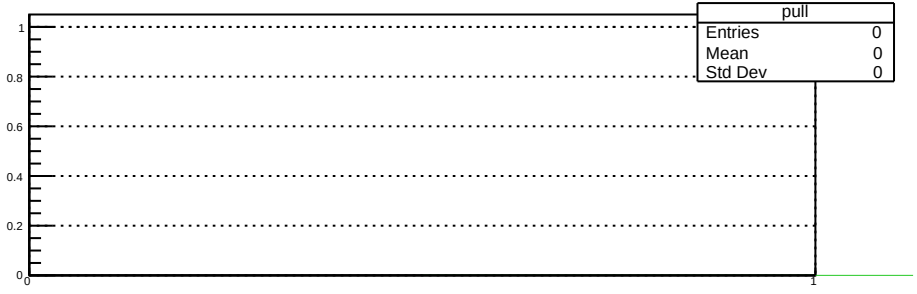

dit_sam8_11X12X_slope vs run
χ² / ndf 6.369e−28 / 51
p0 0.6505 ± 0.0176
0.8
0.75
0.7
0.65
0.6
0.55
0.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

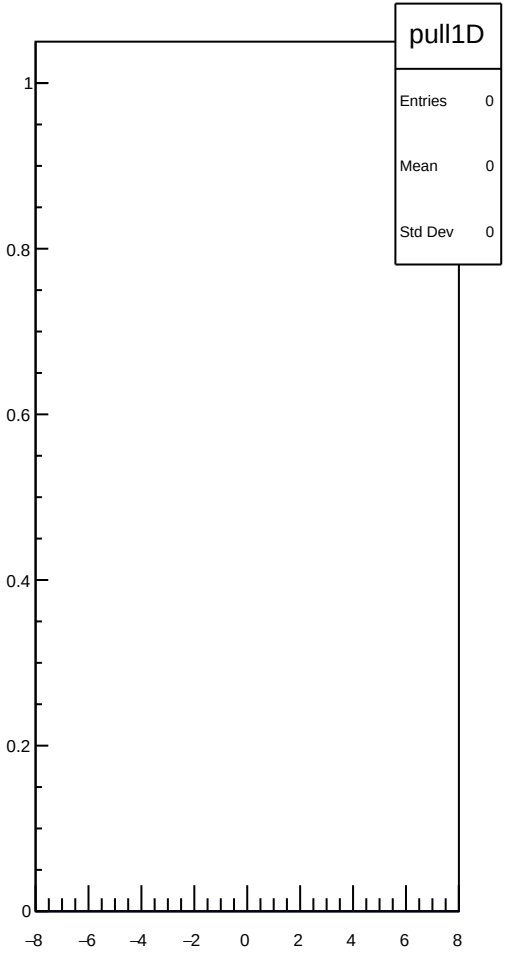

pull1D
Entries 52
Mean −3.5e−15
Std Dev1.497e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

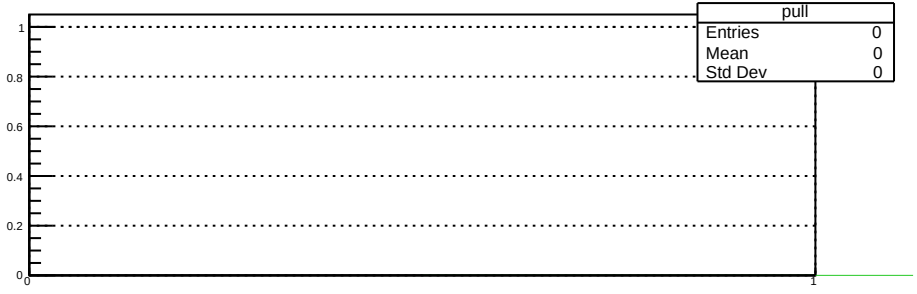

dit_sam8_4aY_slope vs run
χ² / ndf 1.444e−24 / 51
p0 −51.79 ± 0.01774
−51.65
−51.7
−51.75
−51.8
−51.85
−51.9
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

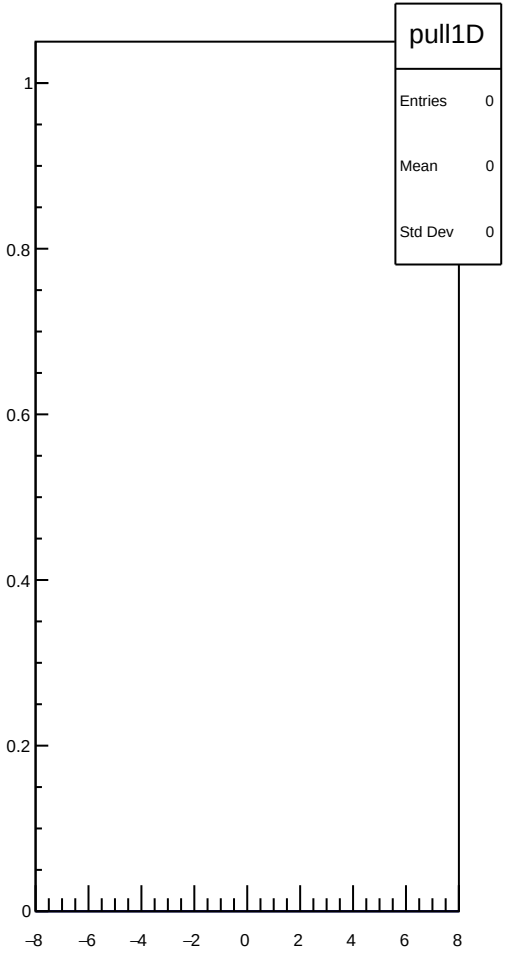

pull1D
Entries 52
Mean 1.667e−13
Std Dev3.388e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

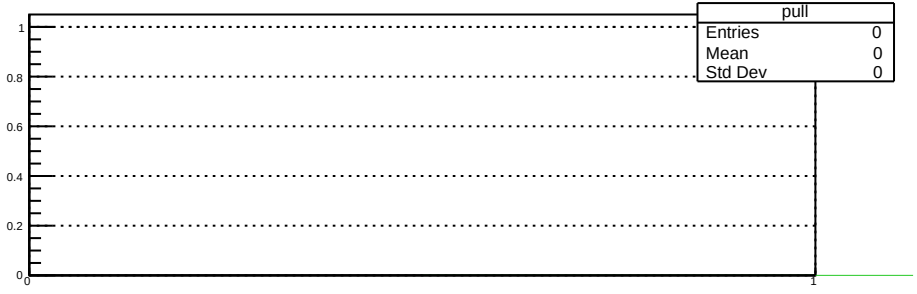

dit_sam8_4eY_slope vs run
χ² / ndf 9.24e−25 / 51
p0 62.46 ± 0.07392
63
62.8
62.6
62.4
62.2
62
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 52
Mean −1.333e−13
Std Dev3.388e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

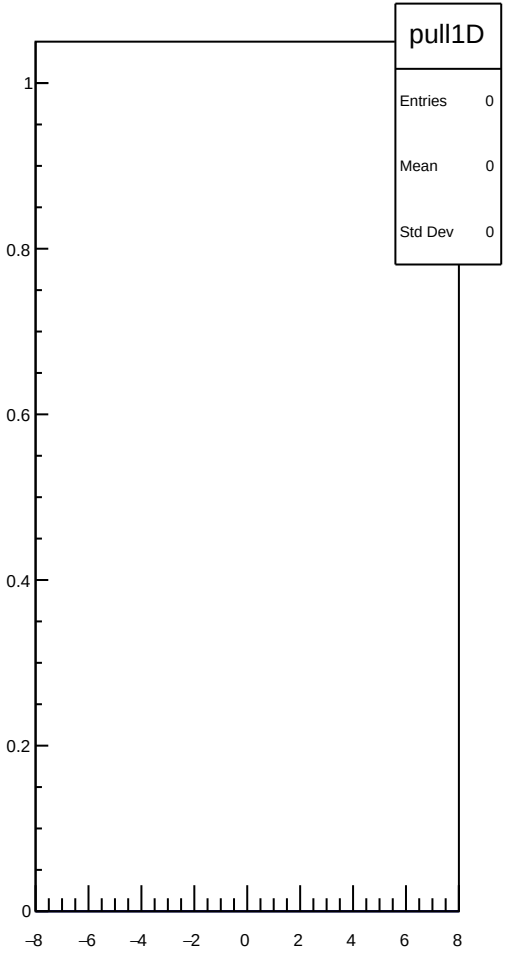

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

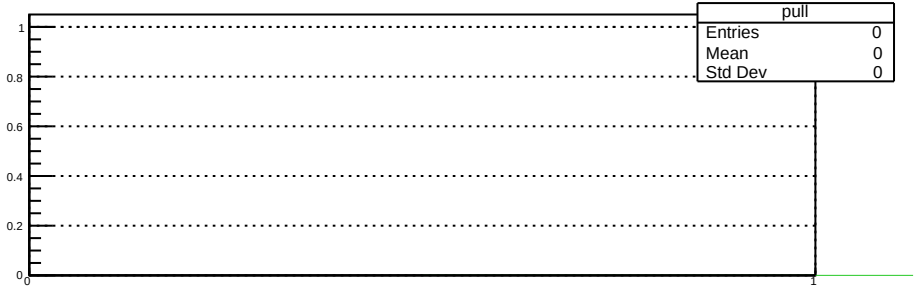

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

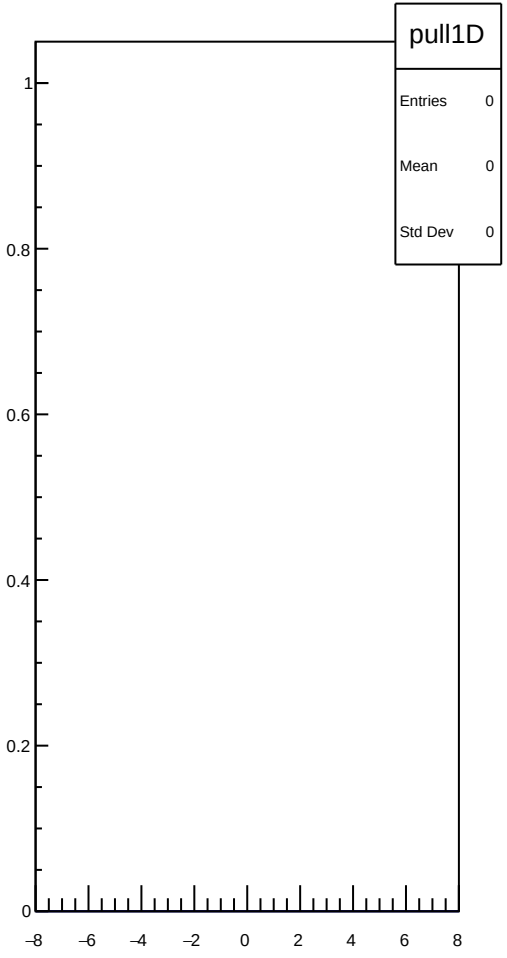

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

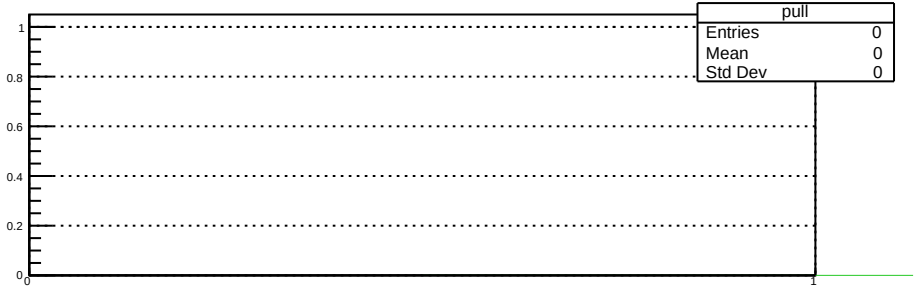

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

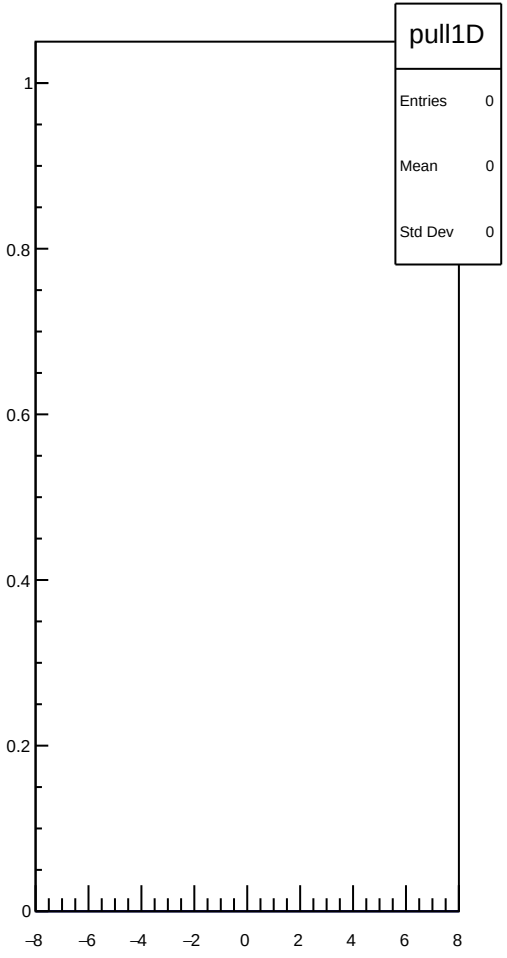

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

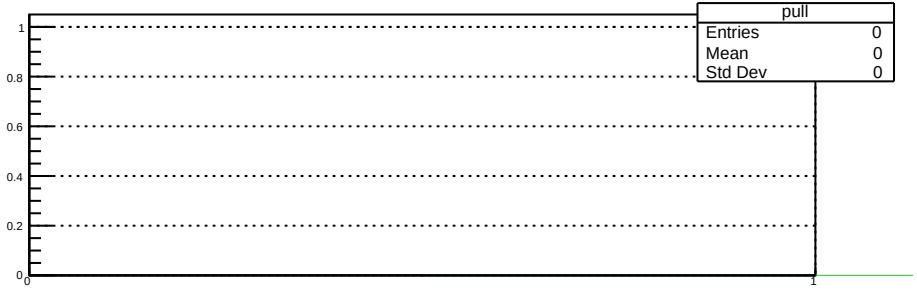

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

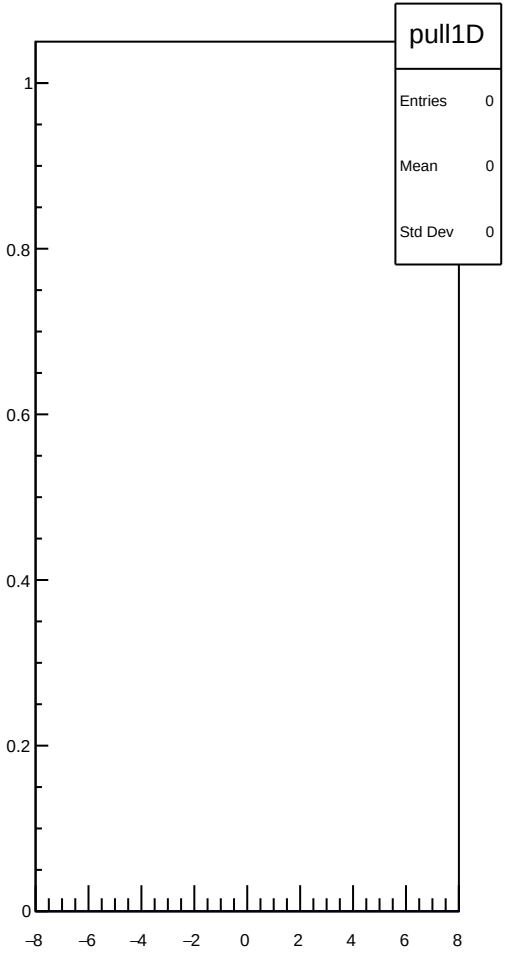

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
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
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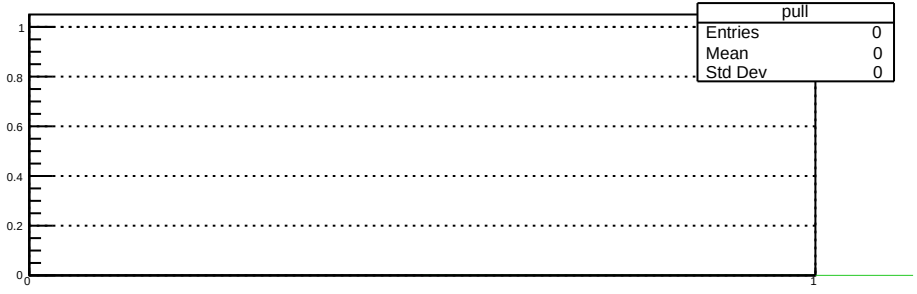
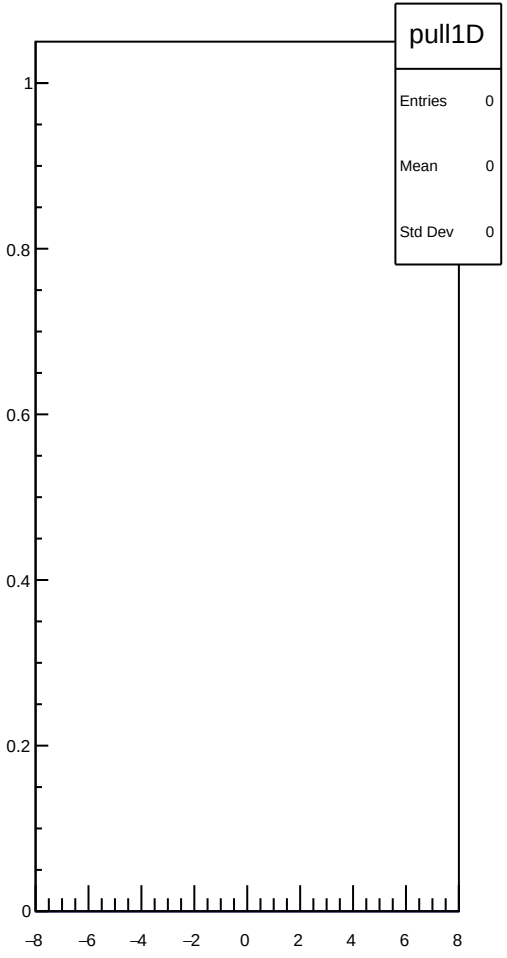
2
4
6
8


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


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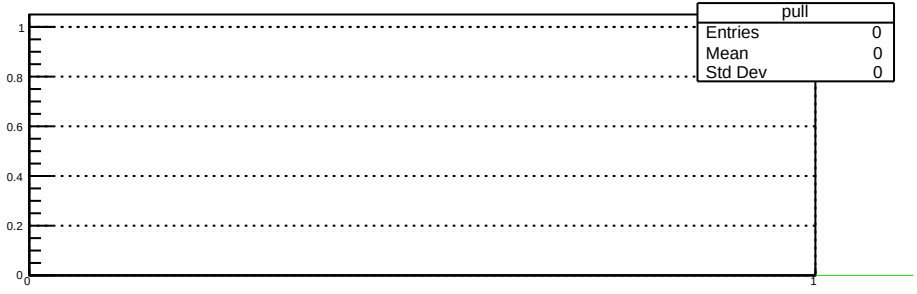
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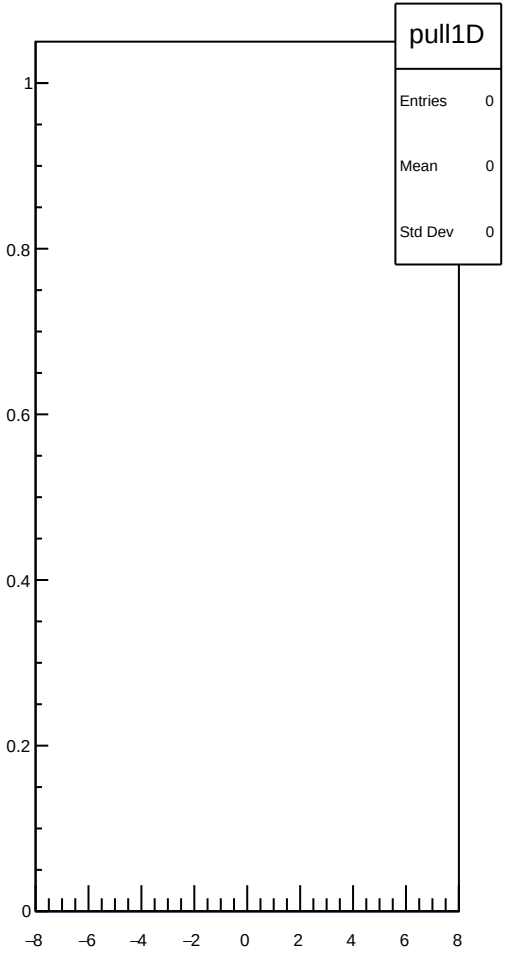
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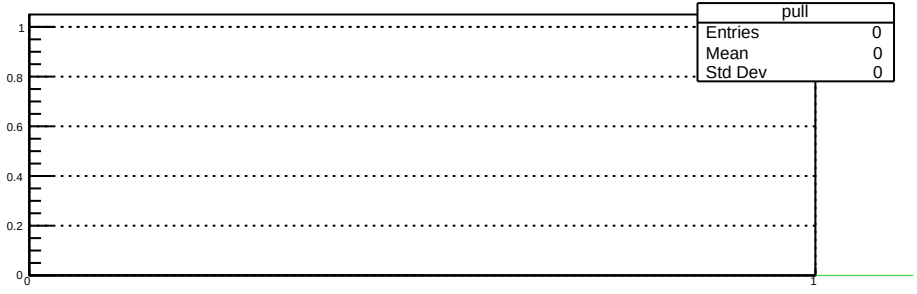
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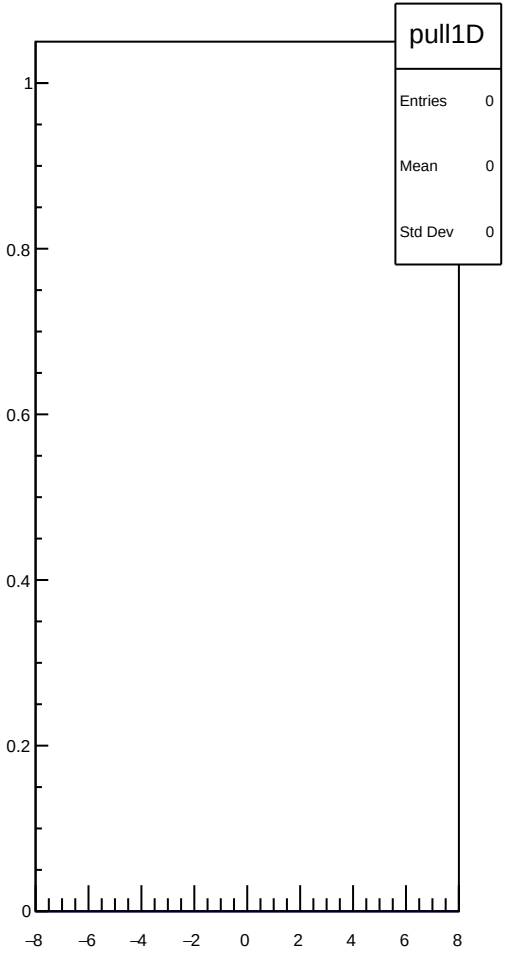
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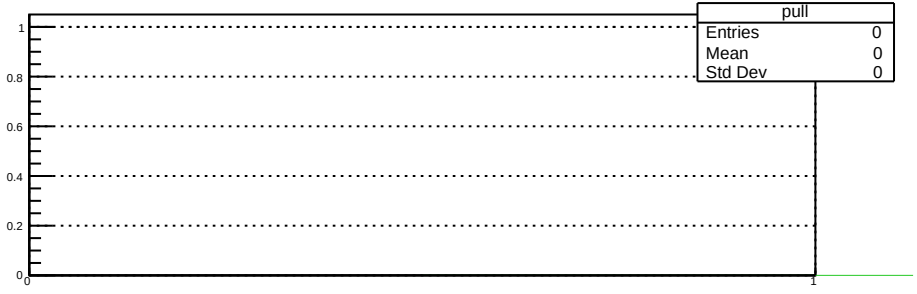
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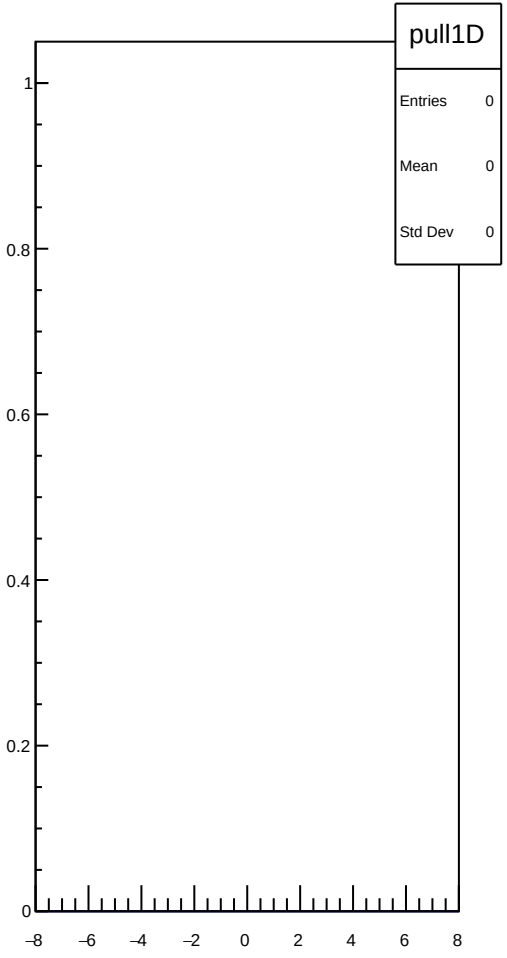
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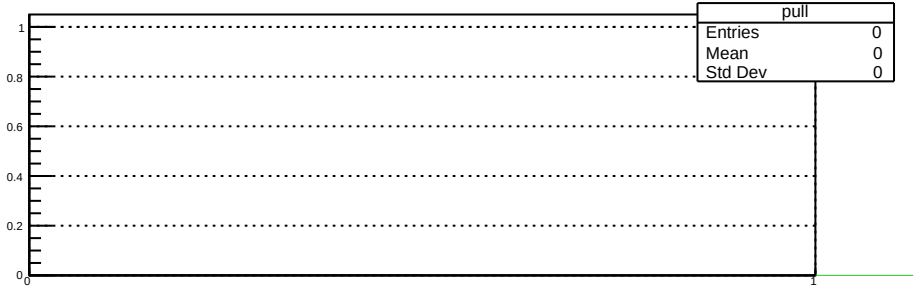
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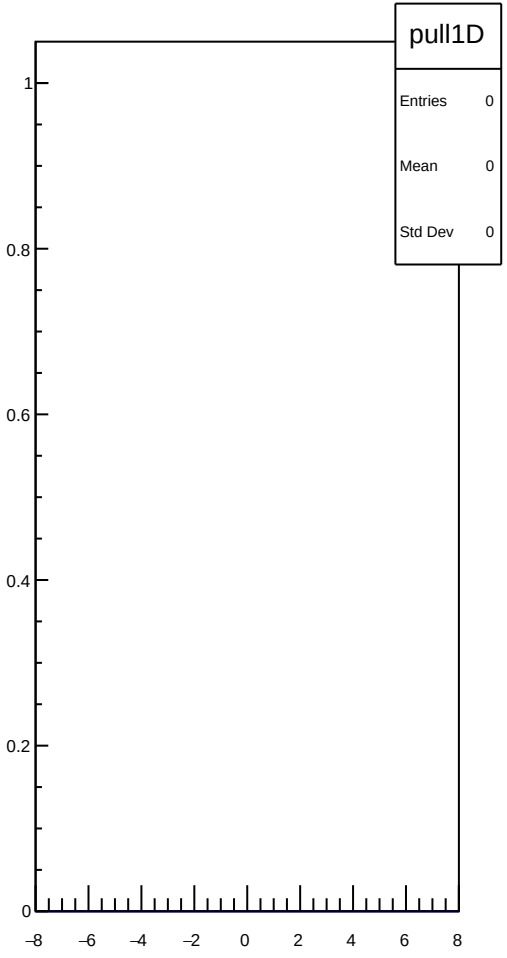
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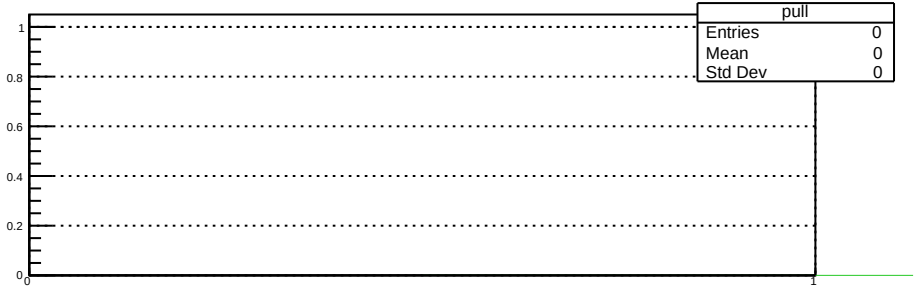
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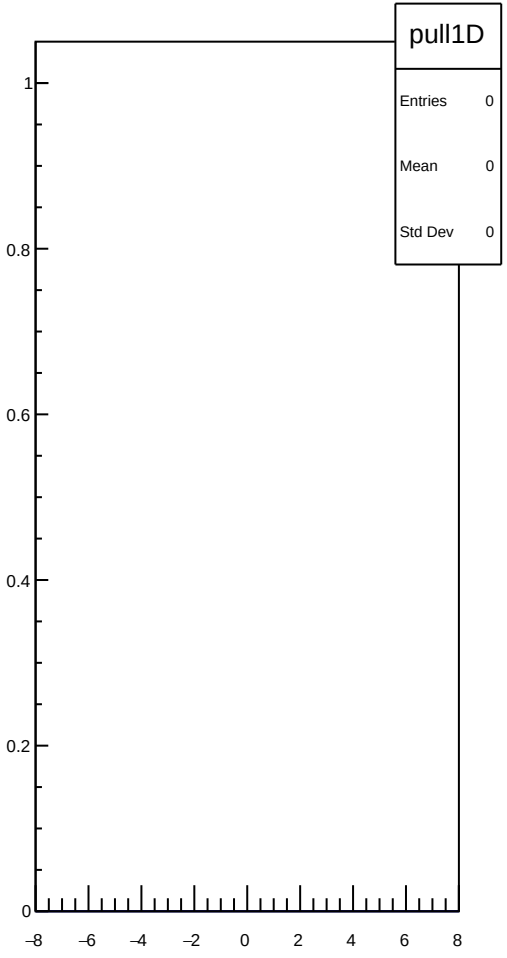
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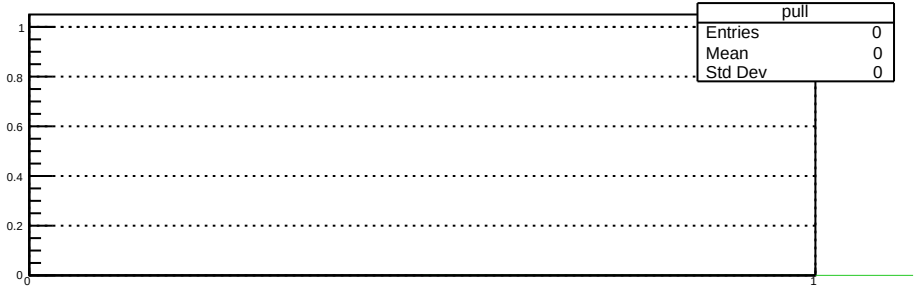
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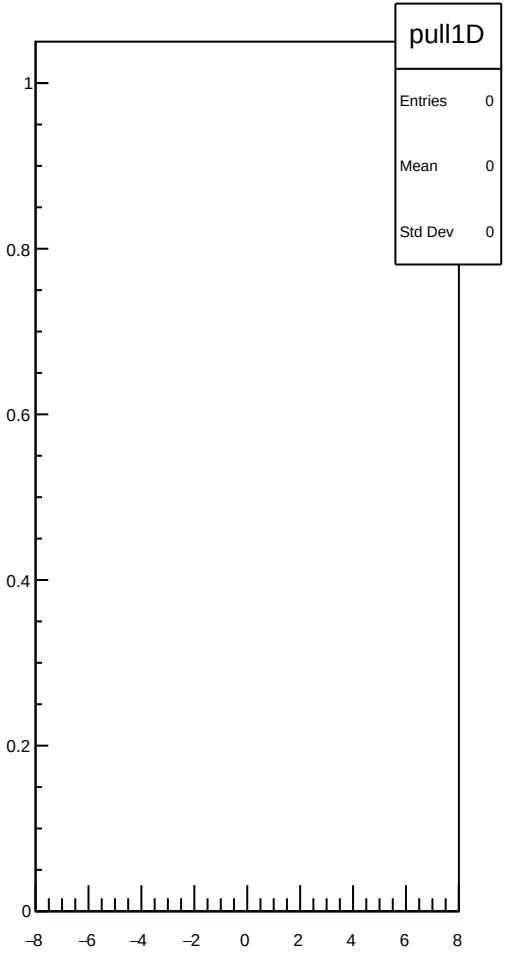
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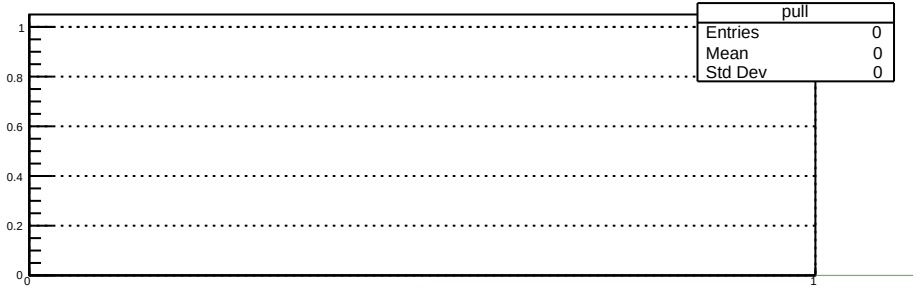
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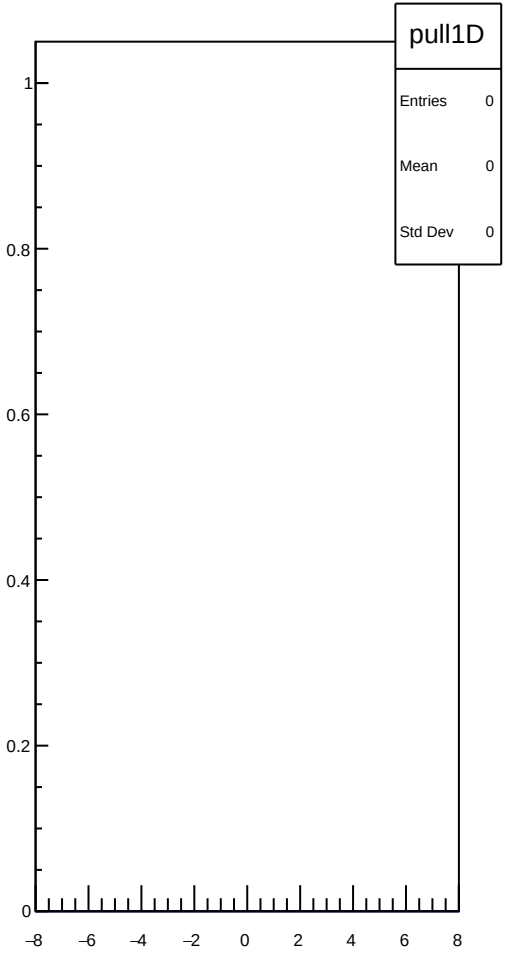
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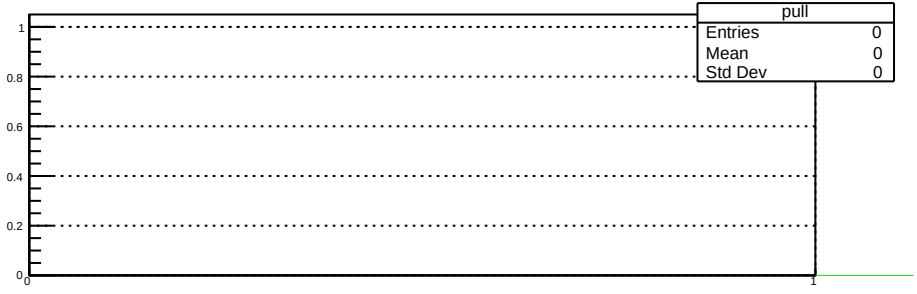
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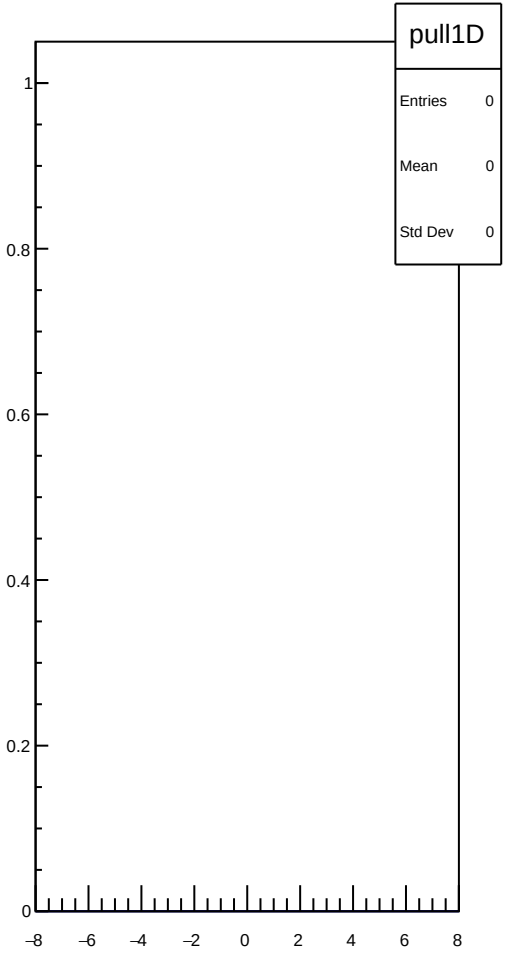
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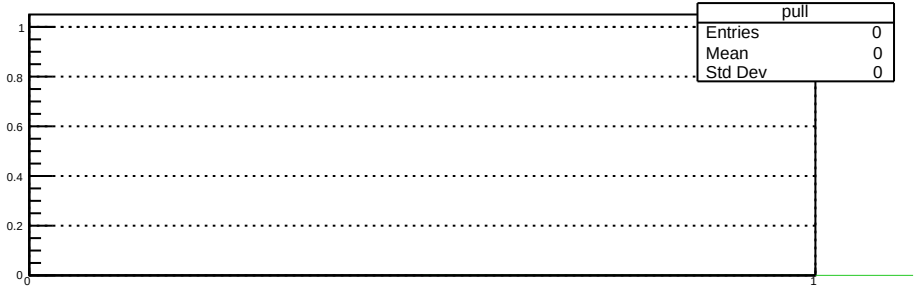
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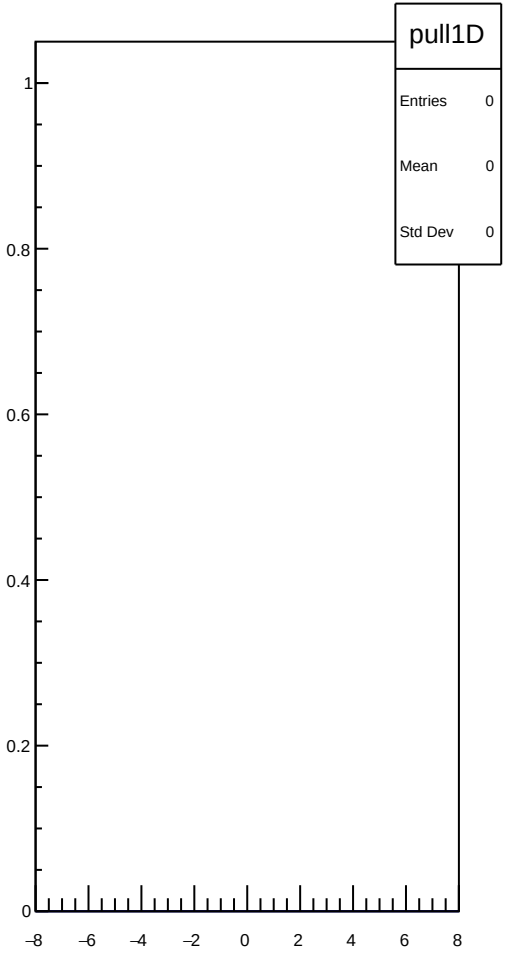
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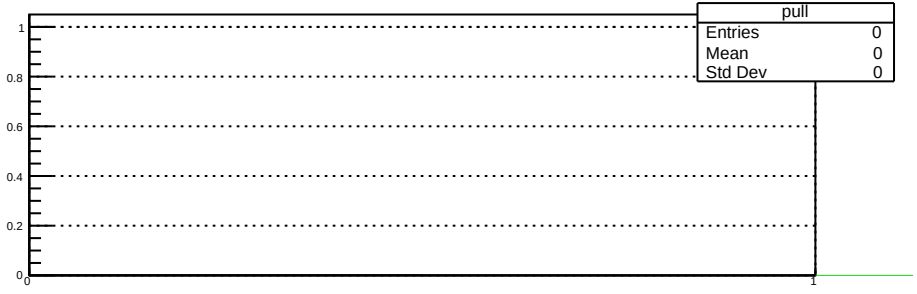
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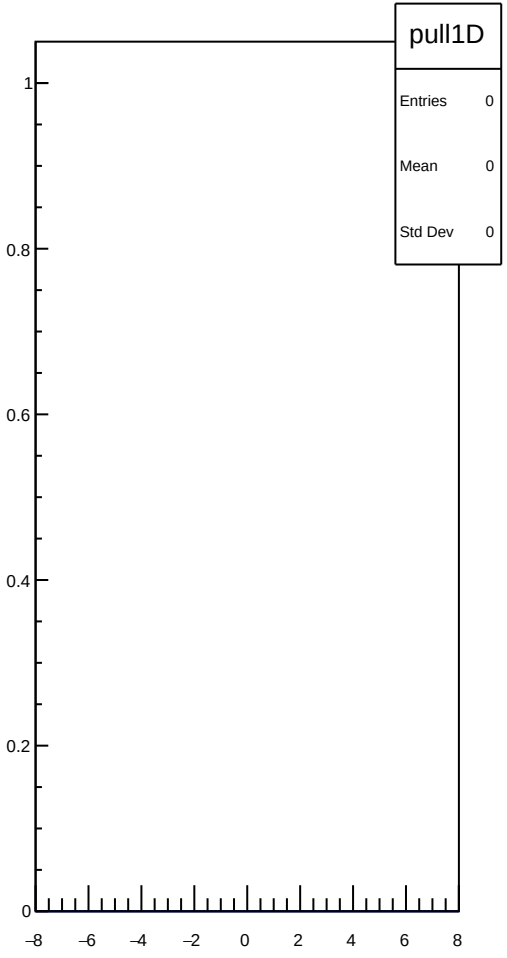
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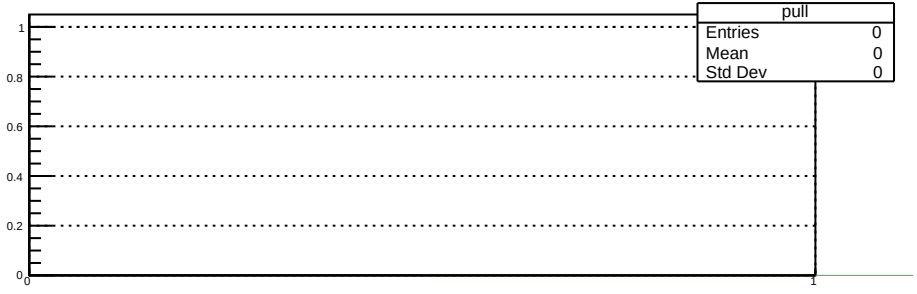
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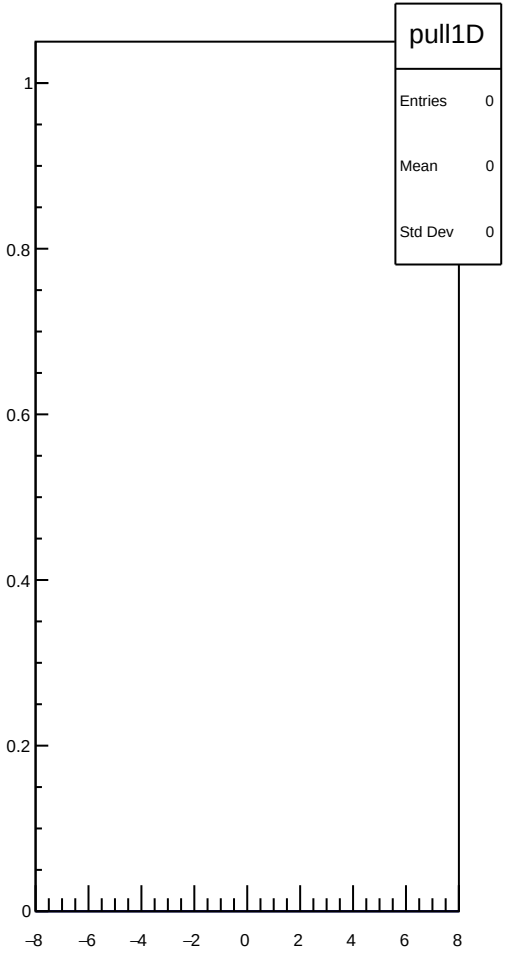
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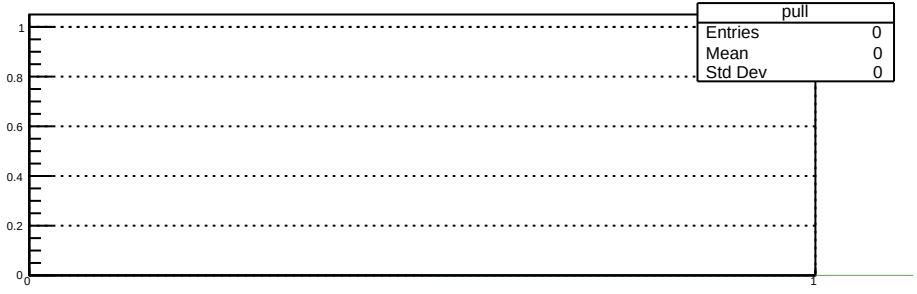
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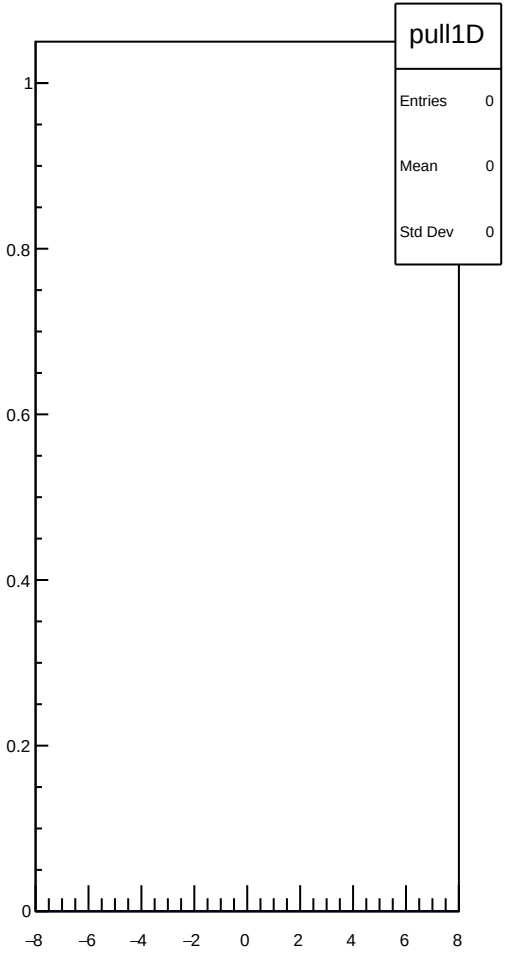
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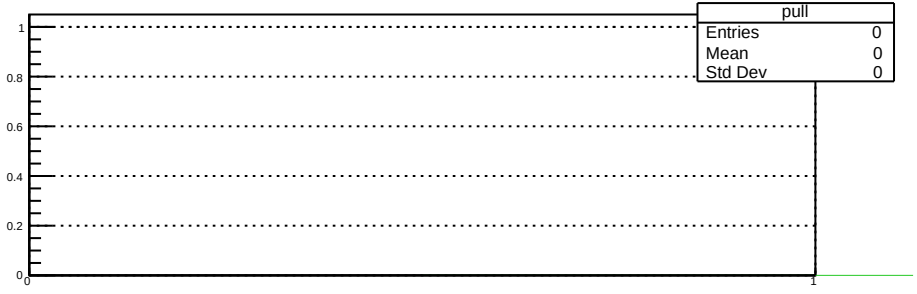
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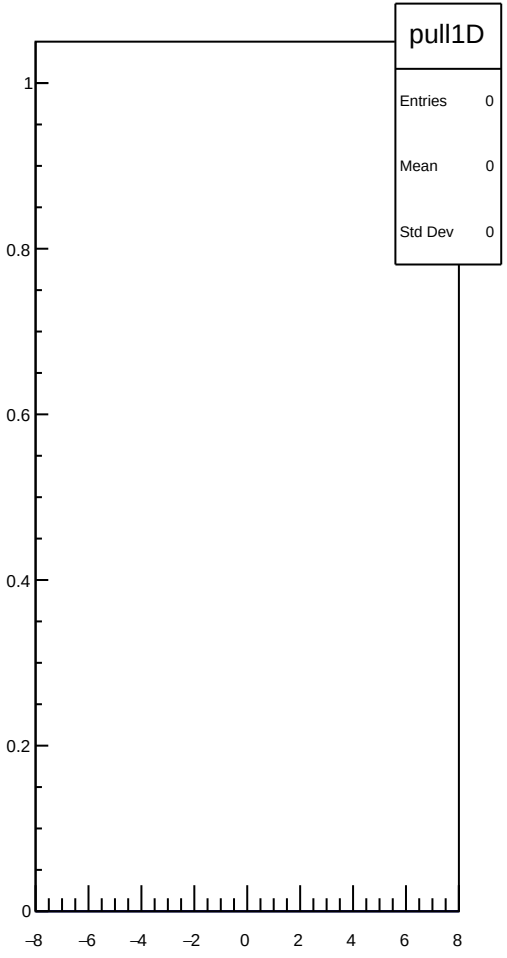
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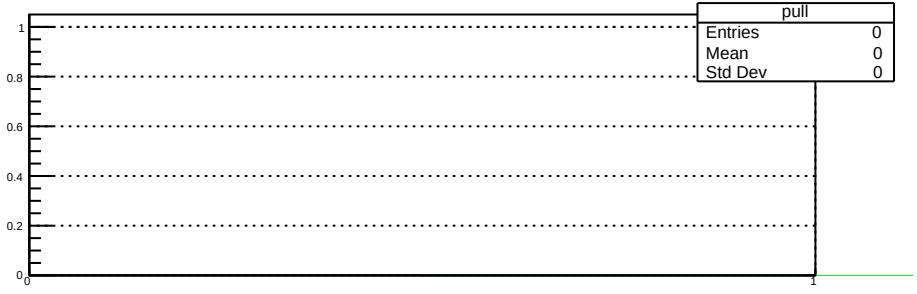
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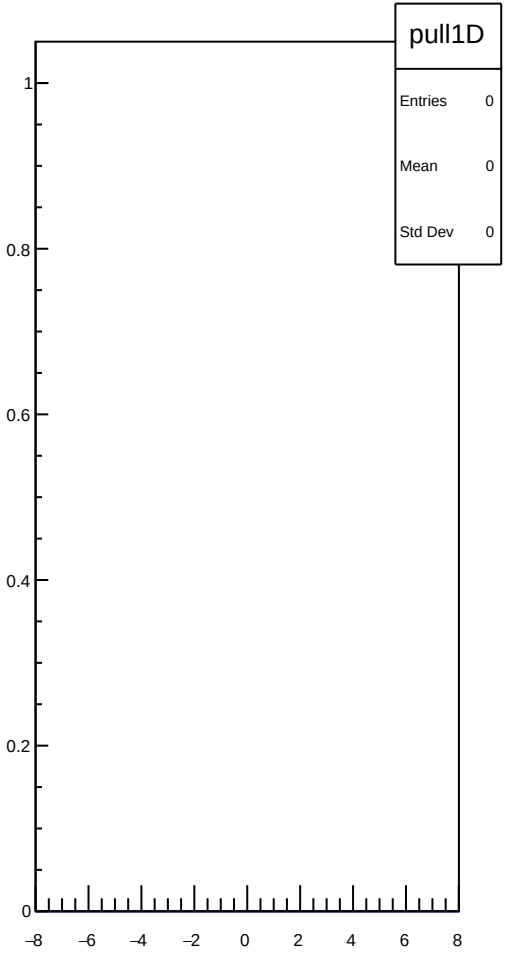
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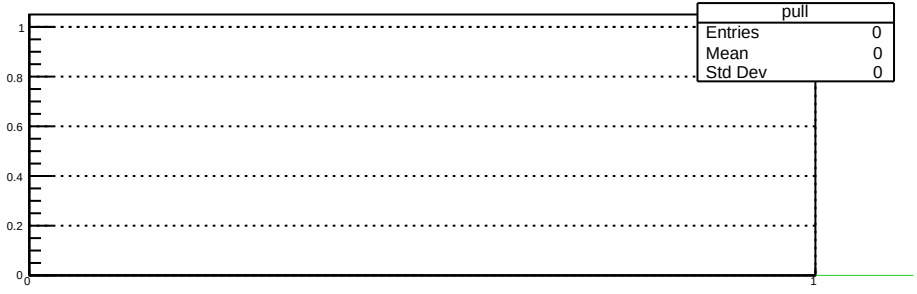
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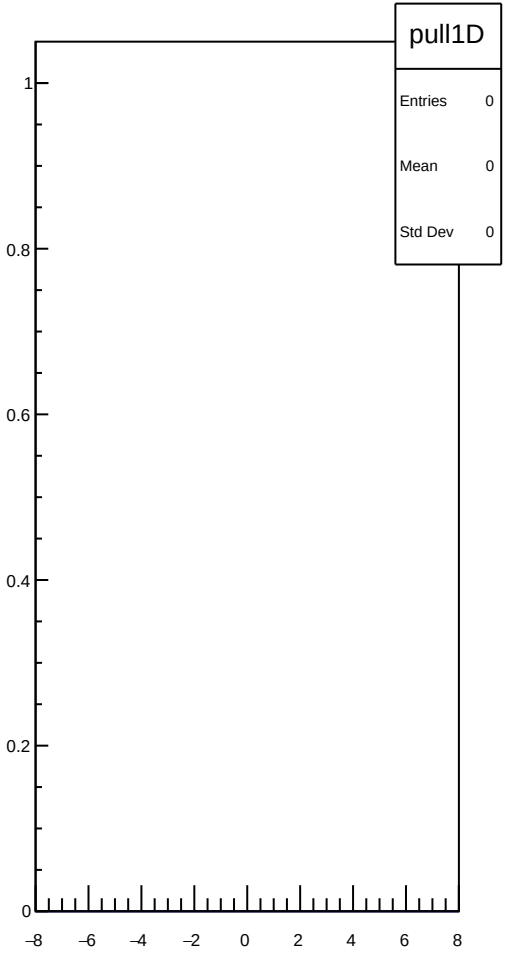
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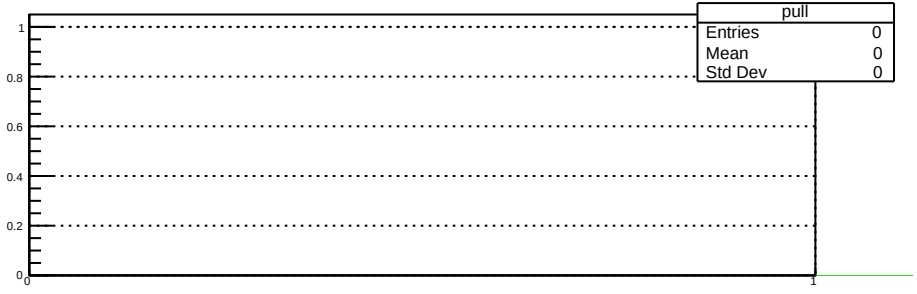
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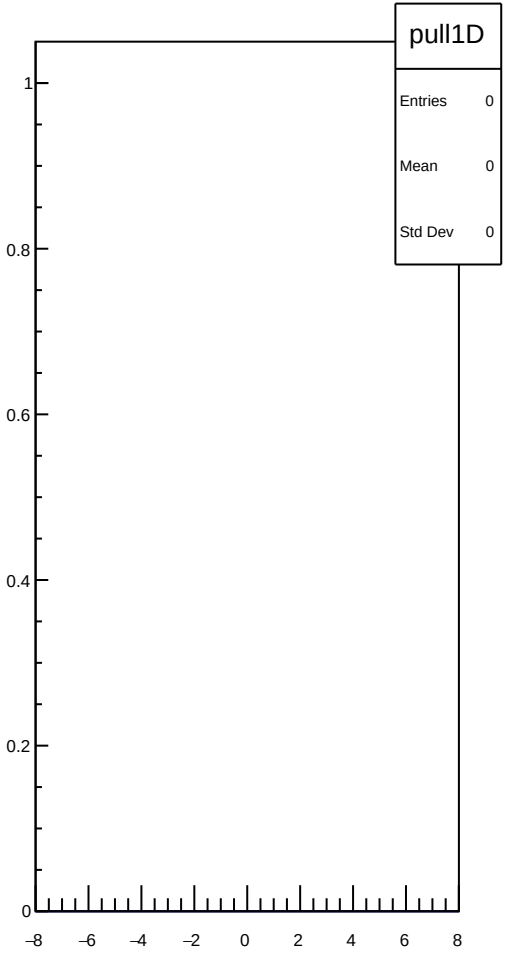
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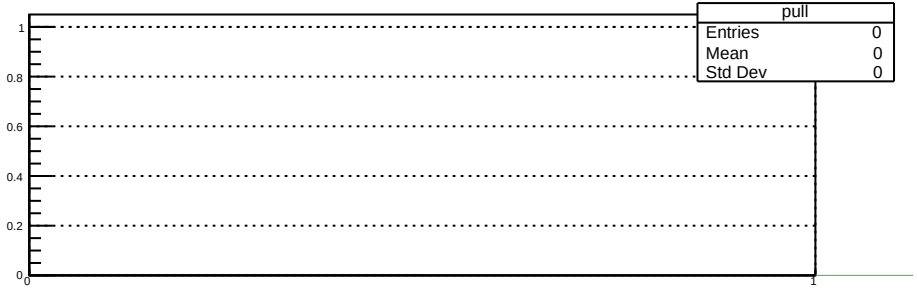
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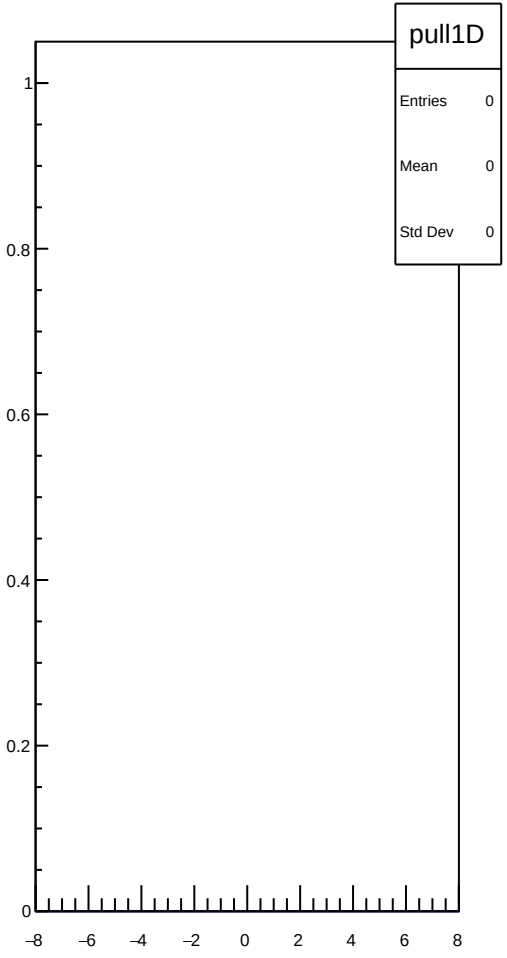
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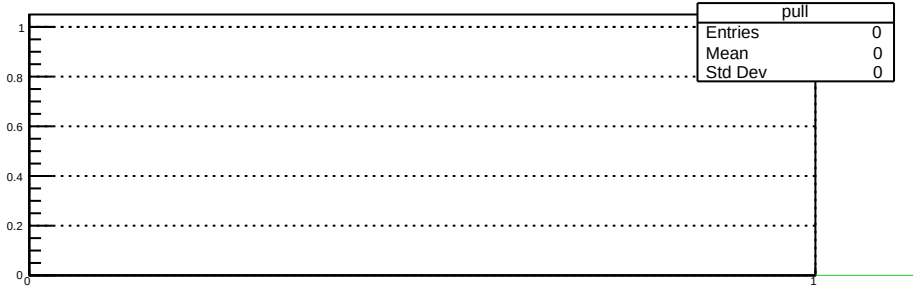
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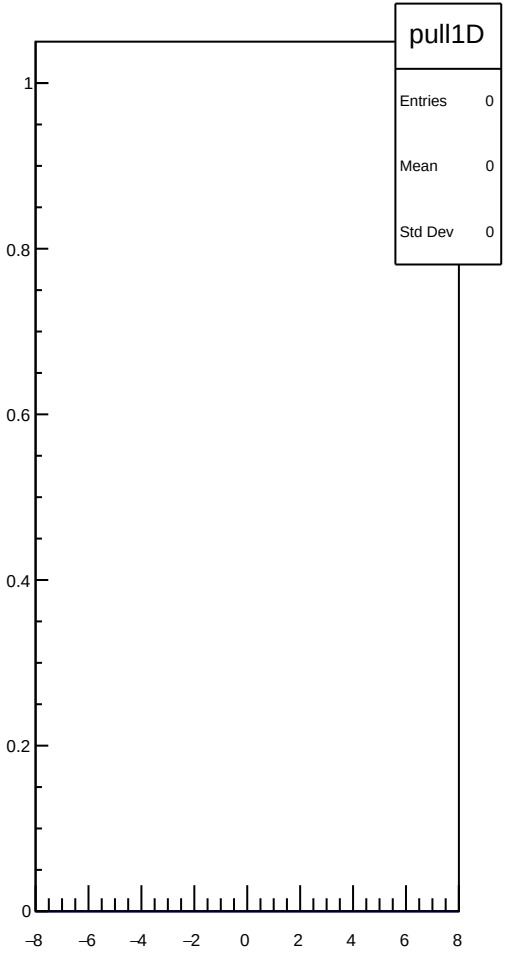
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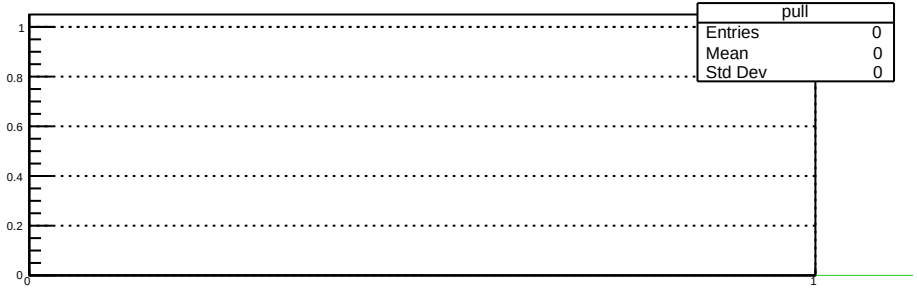
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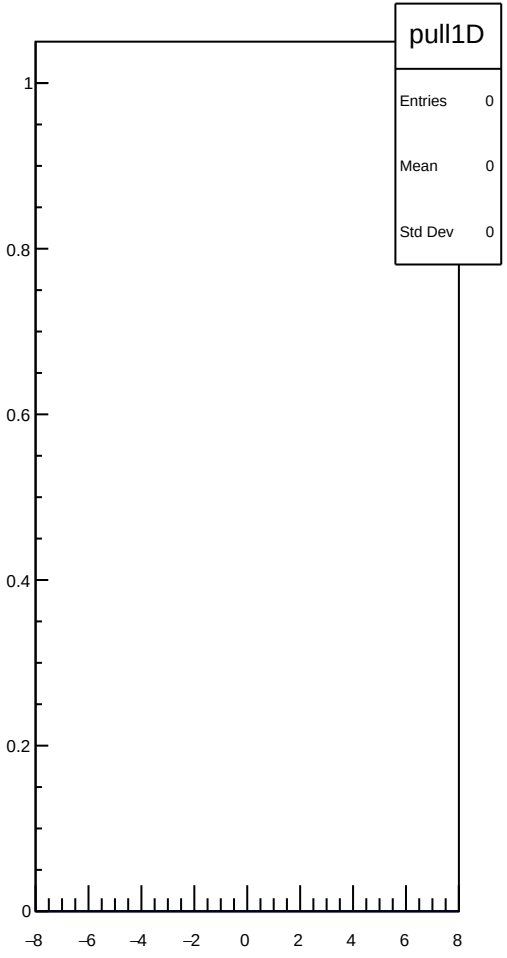
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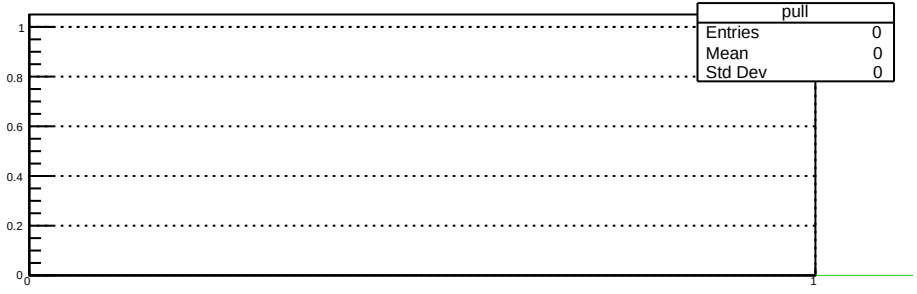
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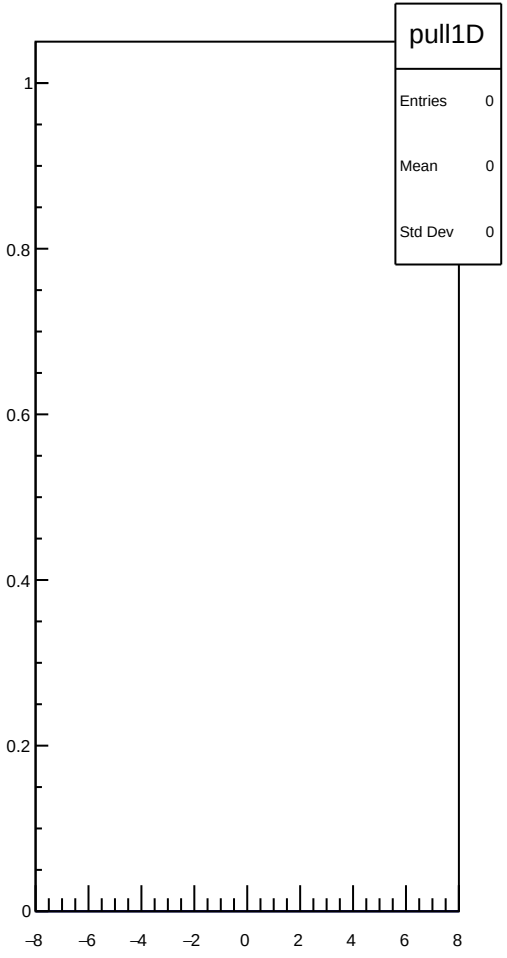
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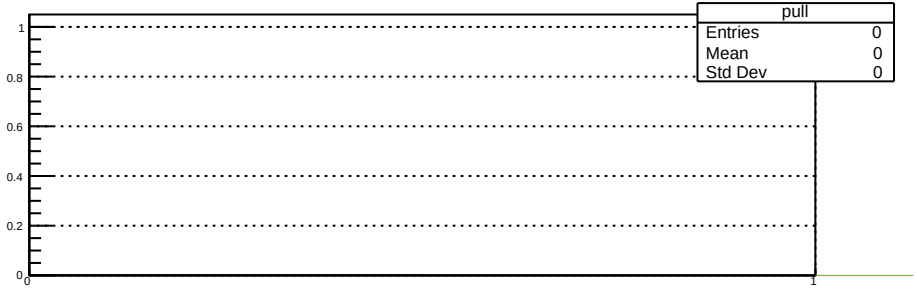
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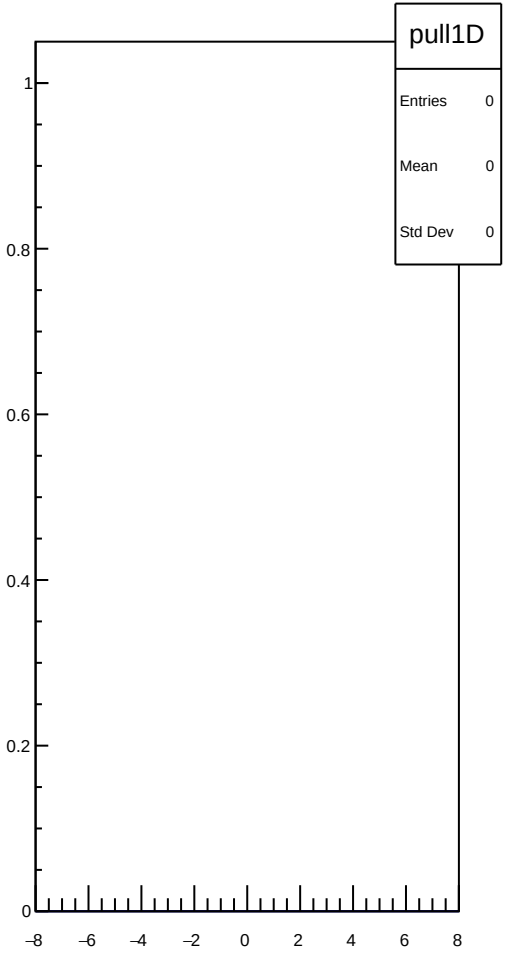
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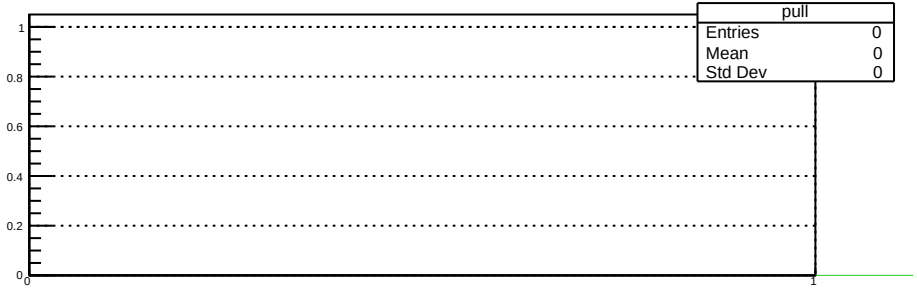
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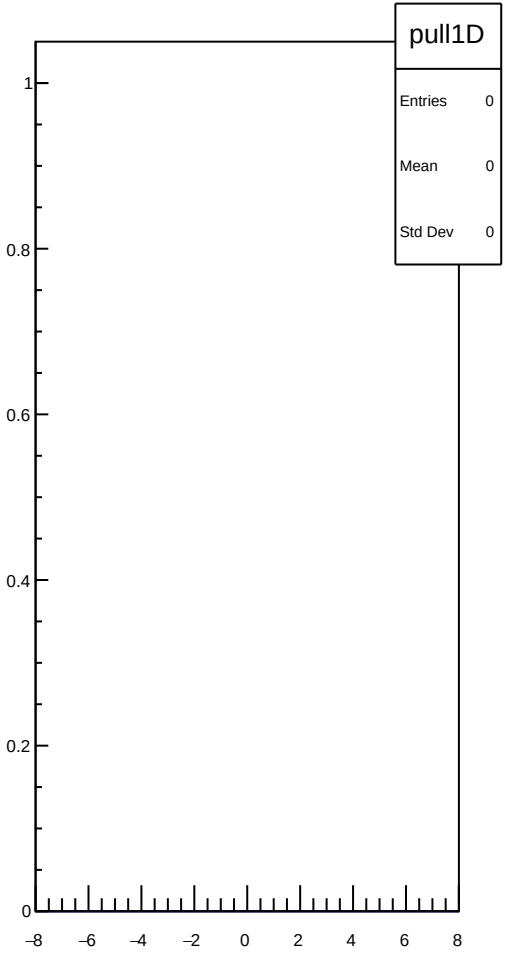
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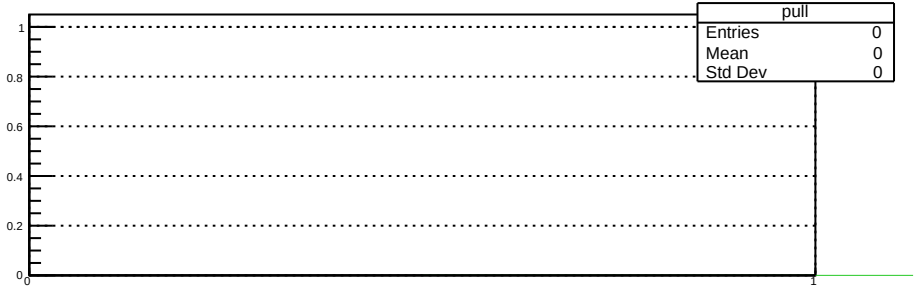
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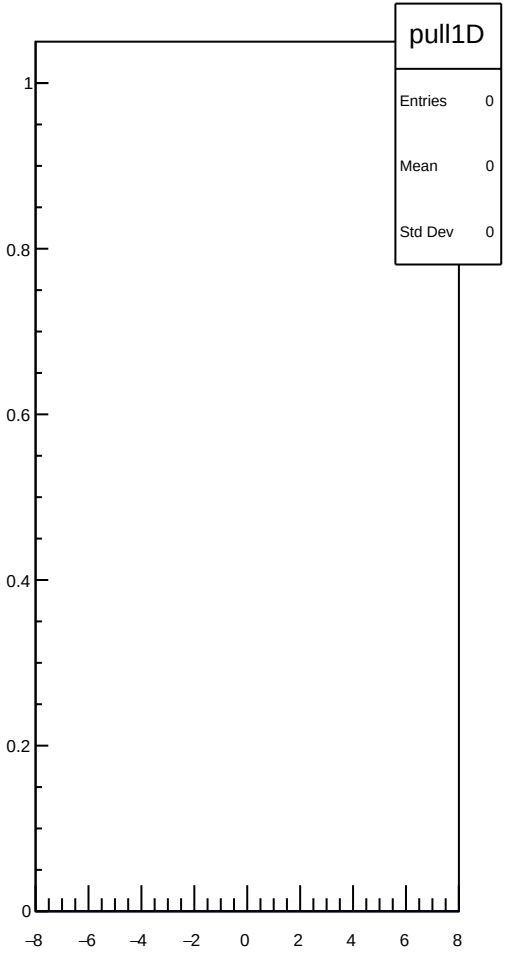
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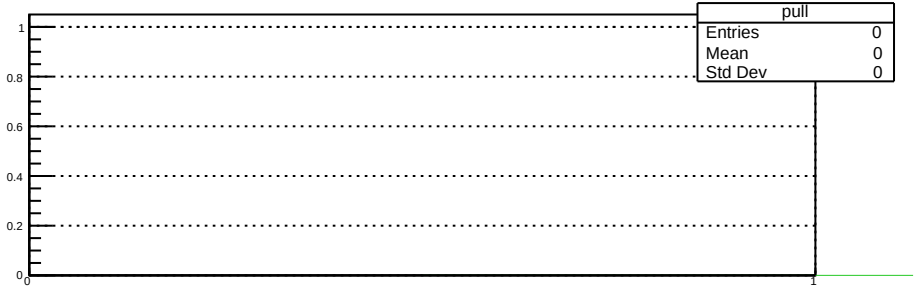
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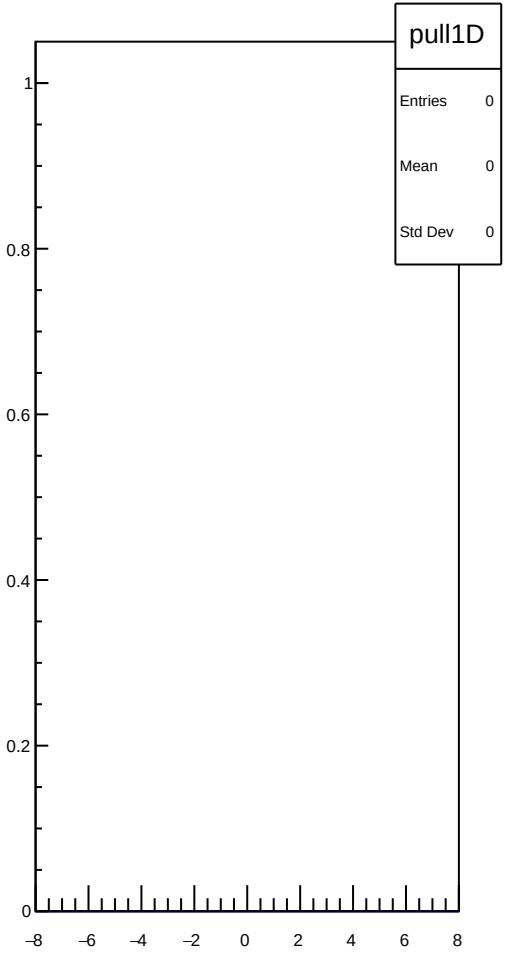
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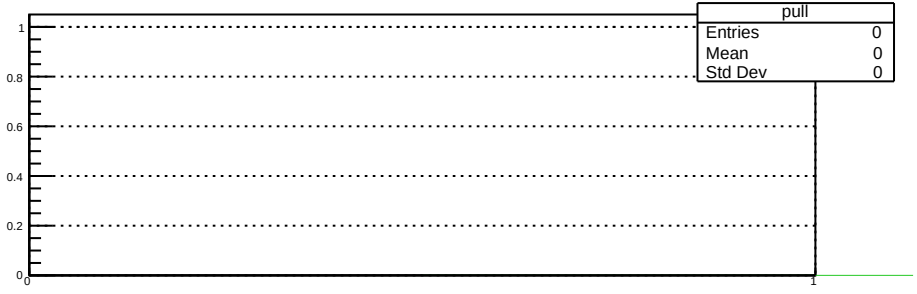
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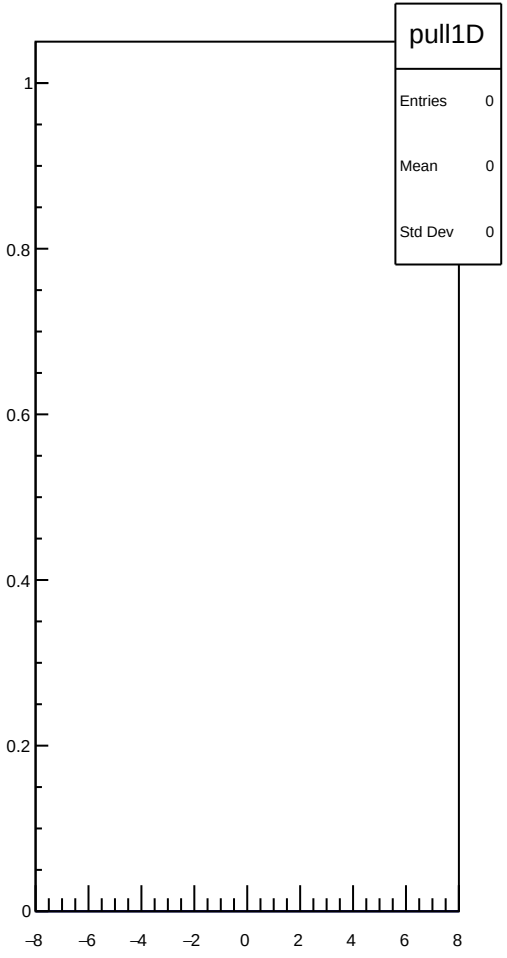
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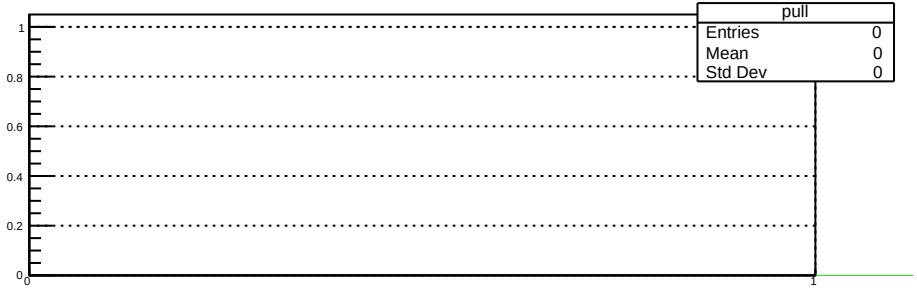
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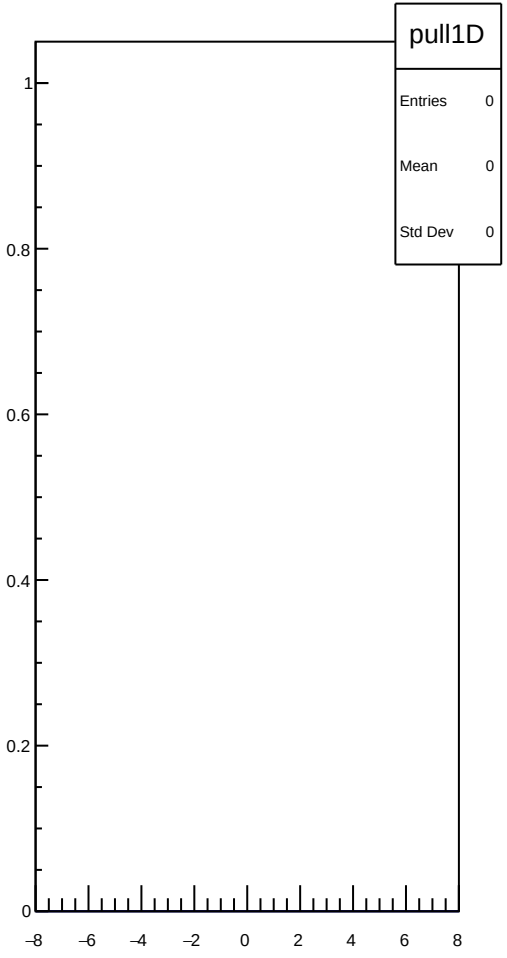
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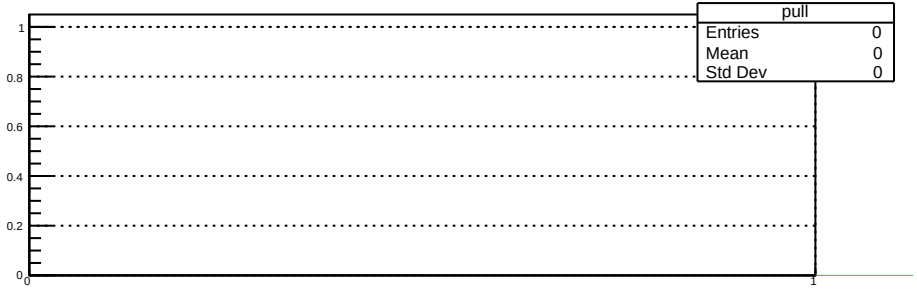
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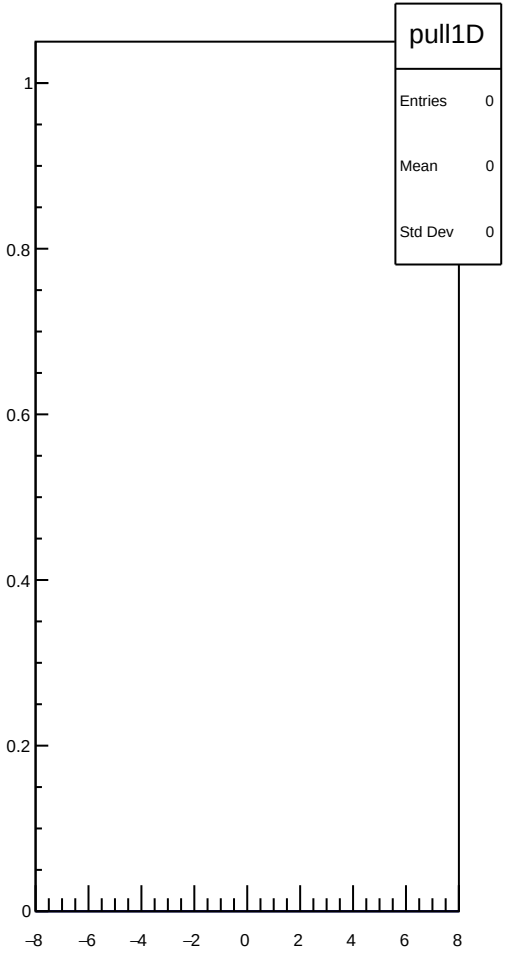
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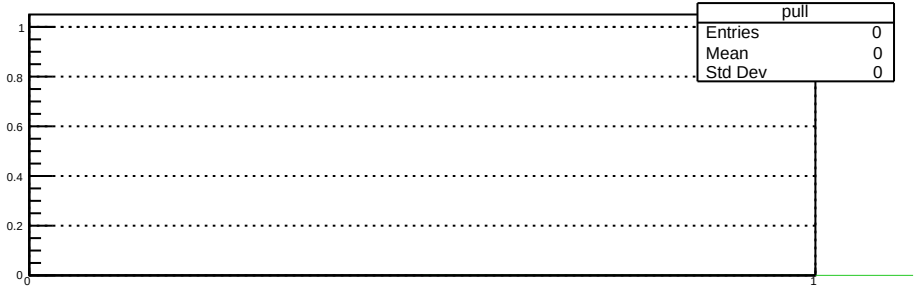
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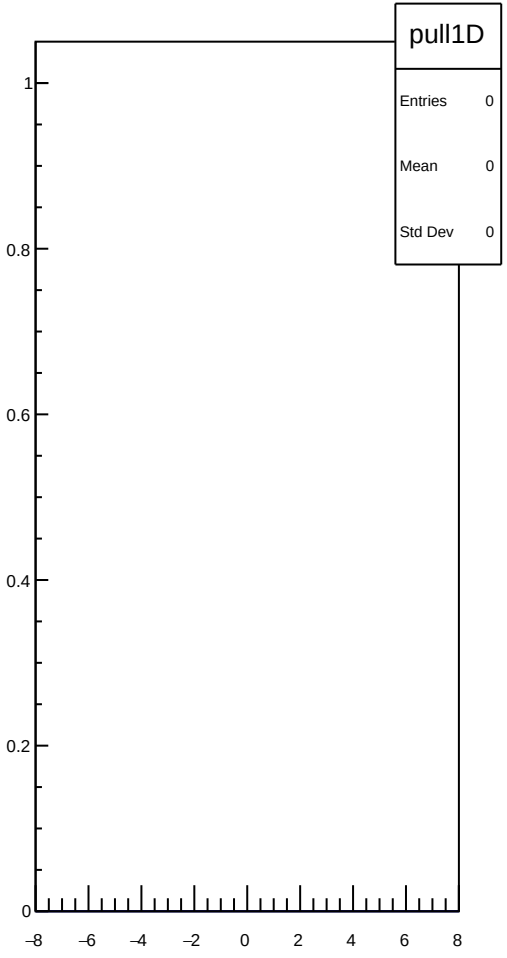
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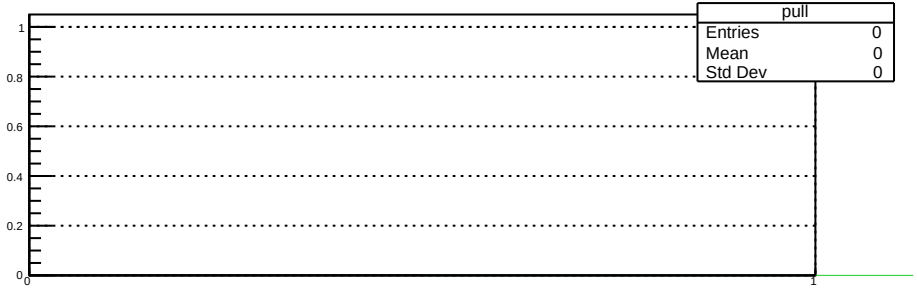
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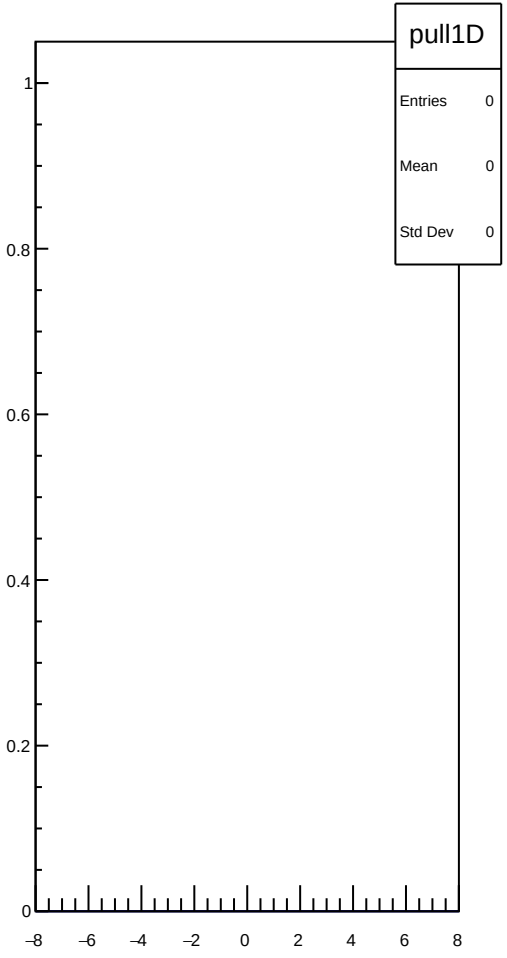
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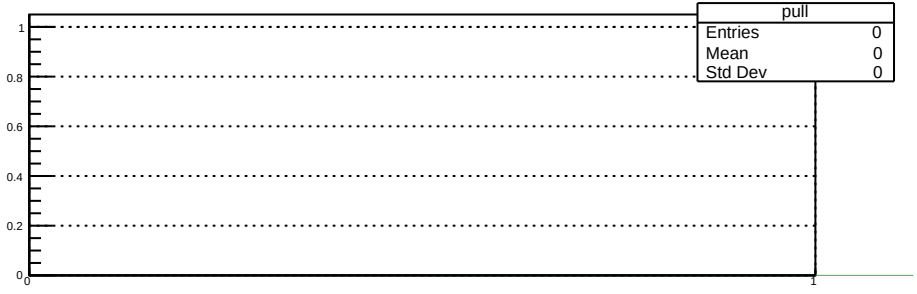
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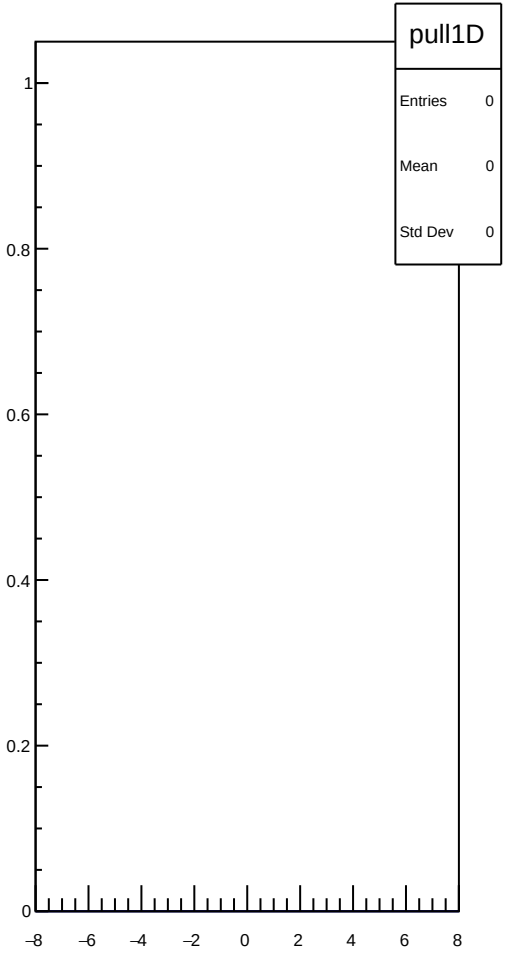
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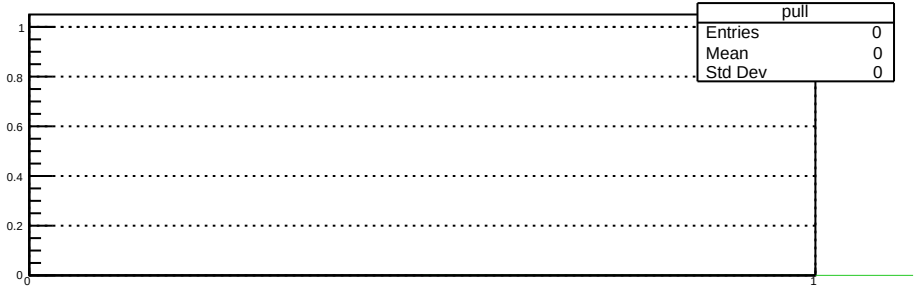
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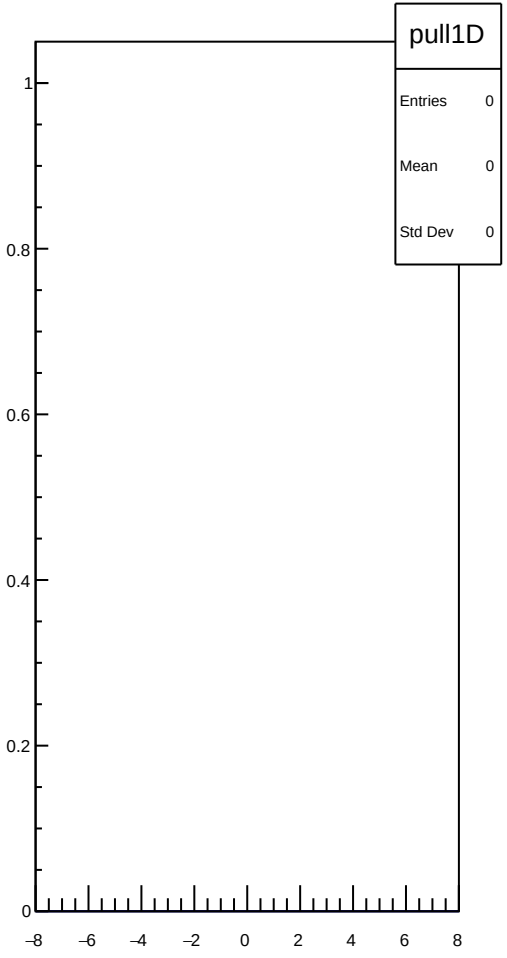
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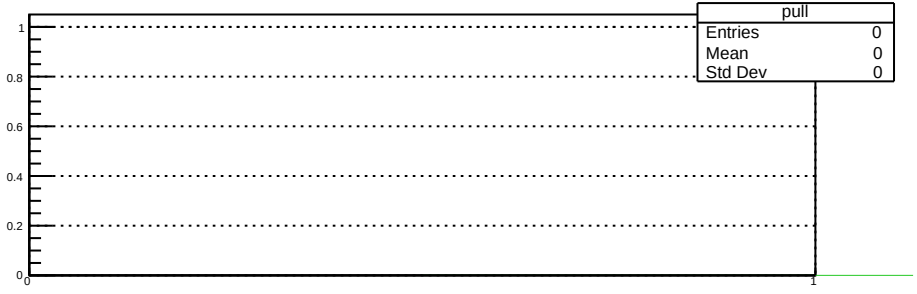
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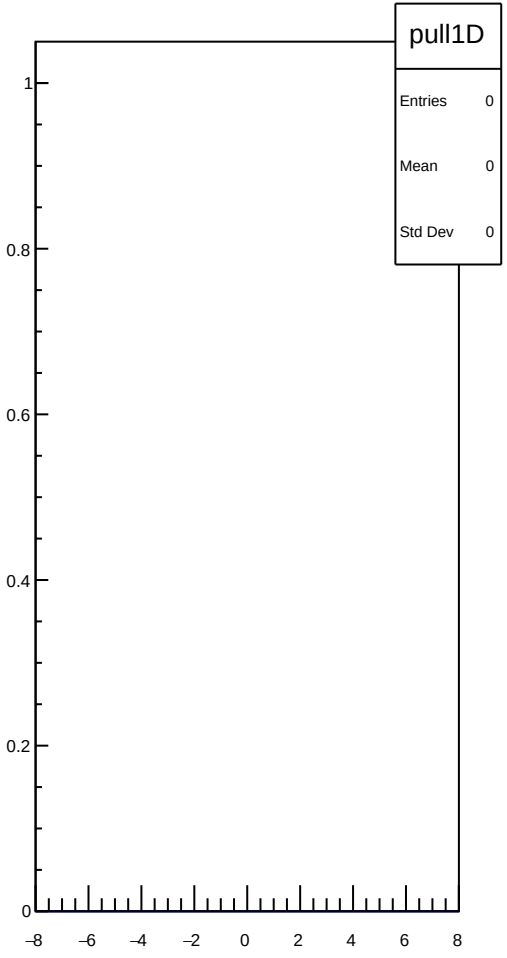
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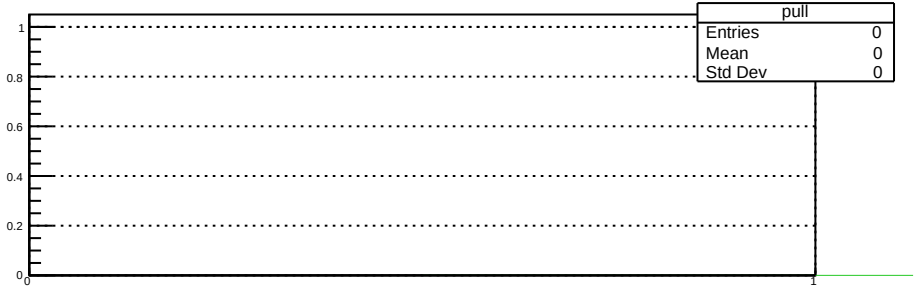
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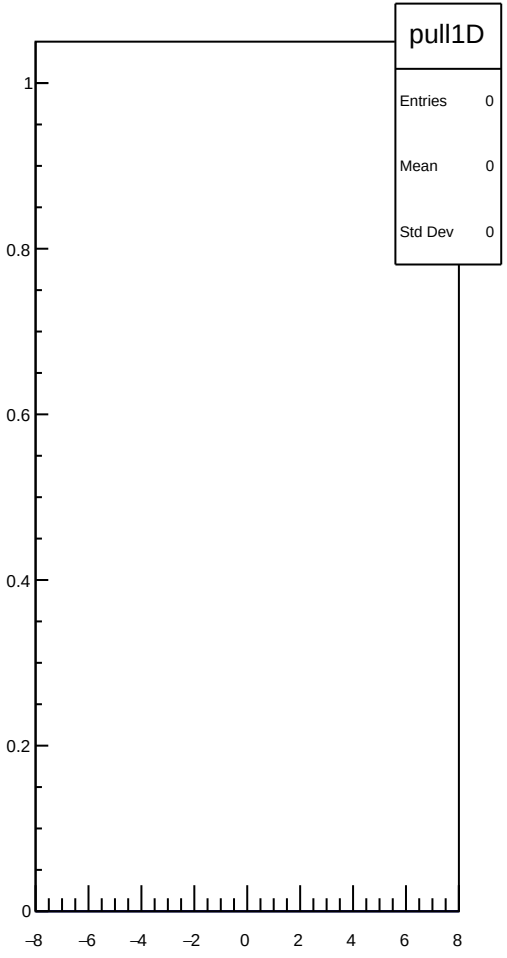
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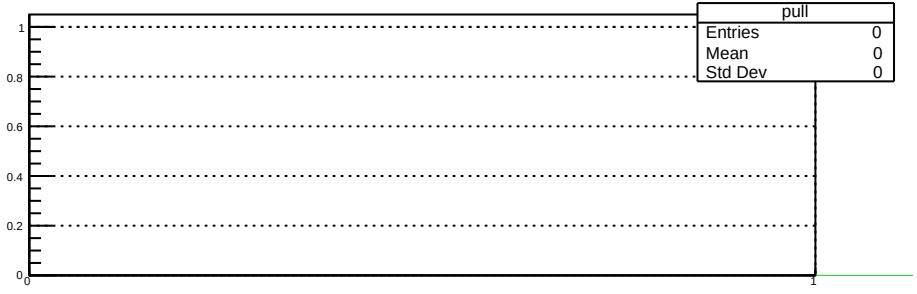
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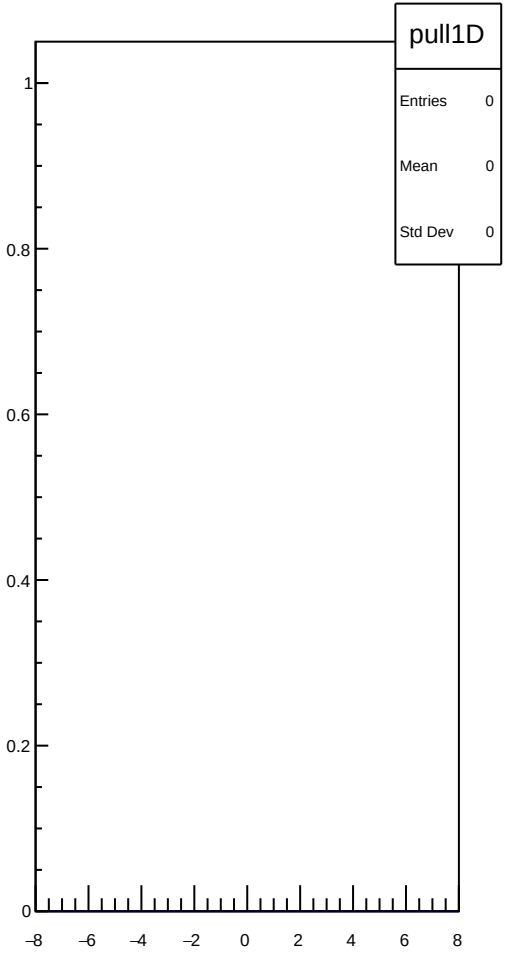
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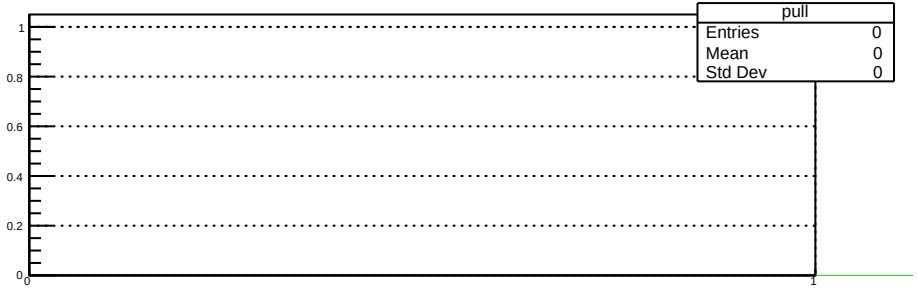
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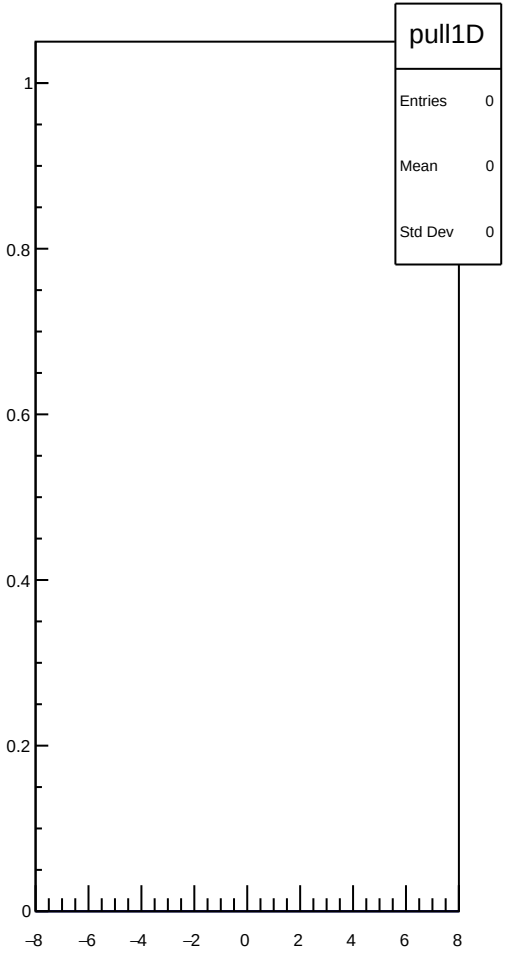
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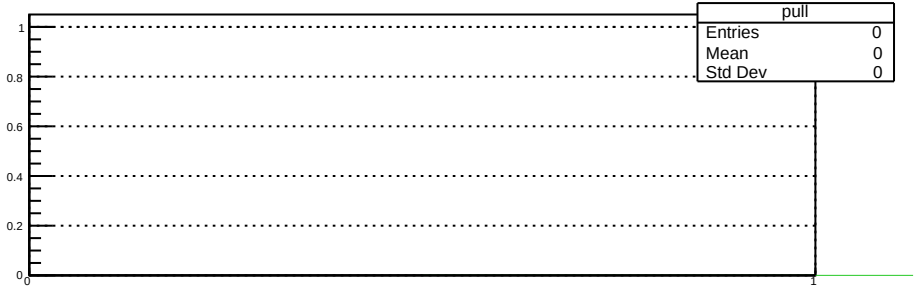
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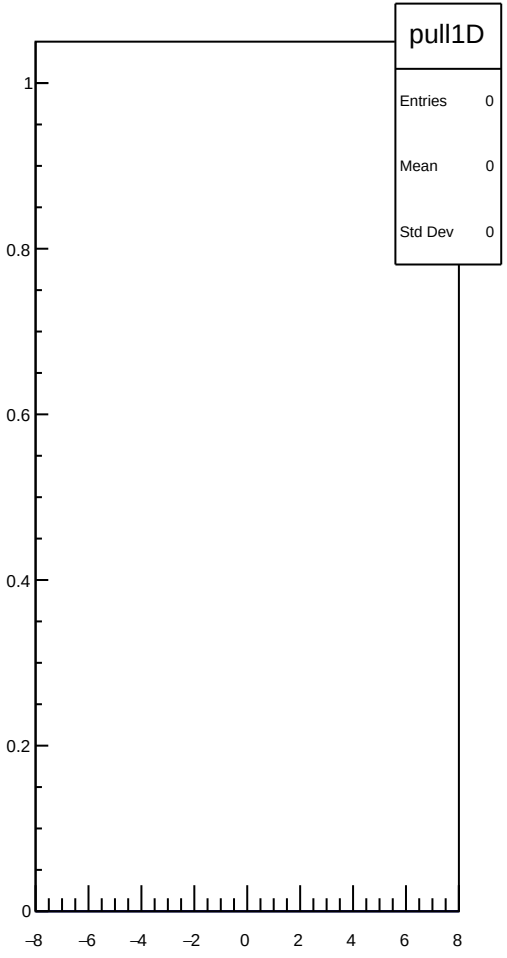
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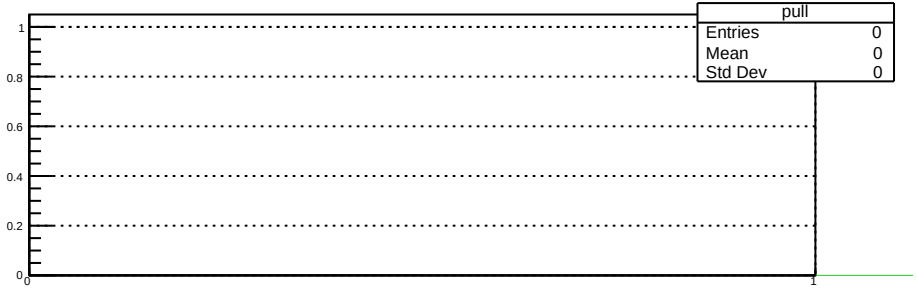
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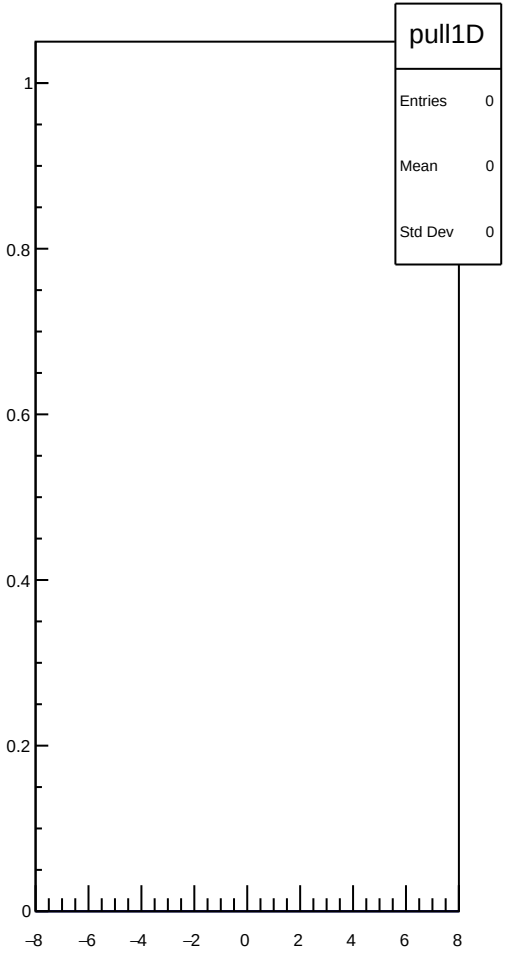
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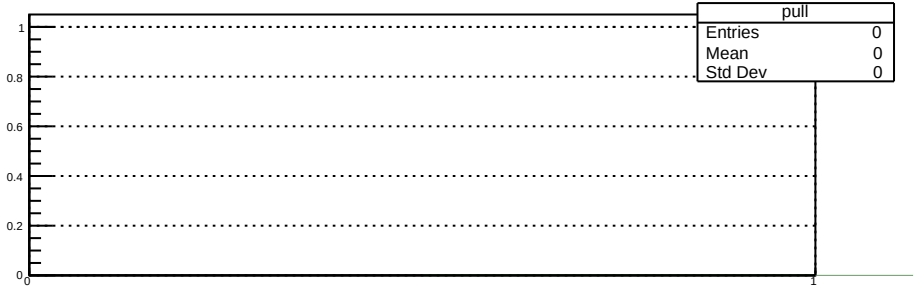
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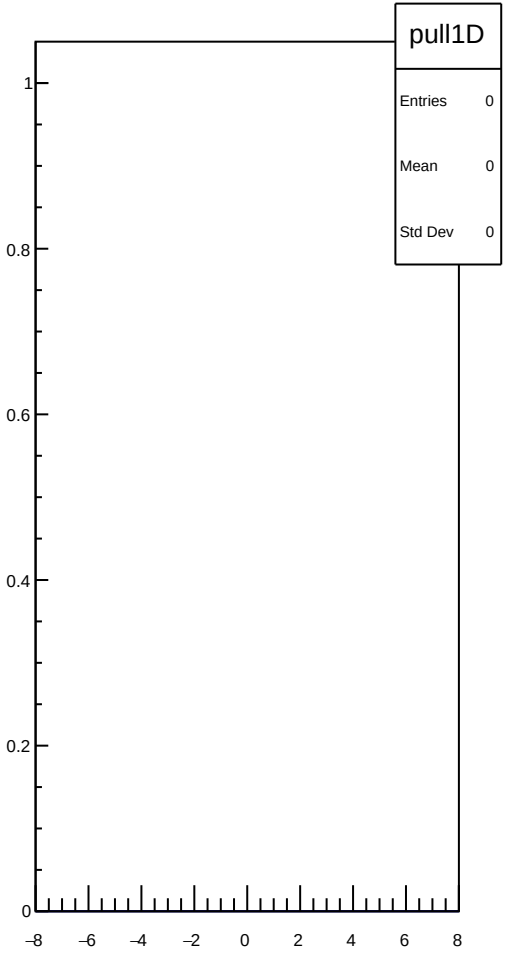
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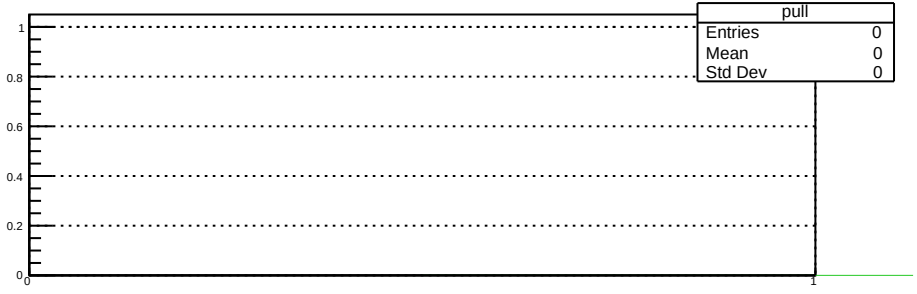
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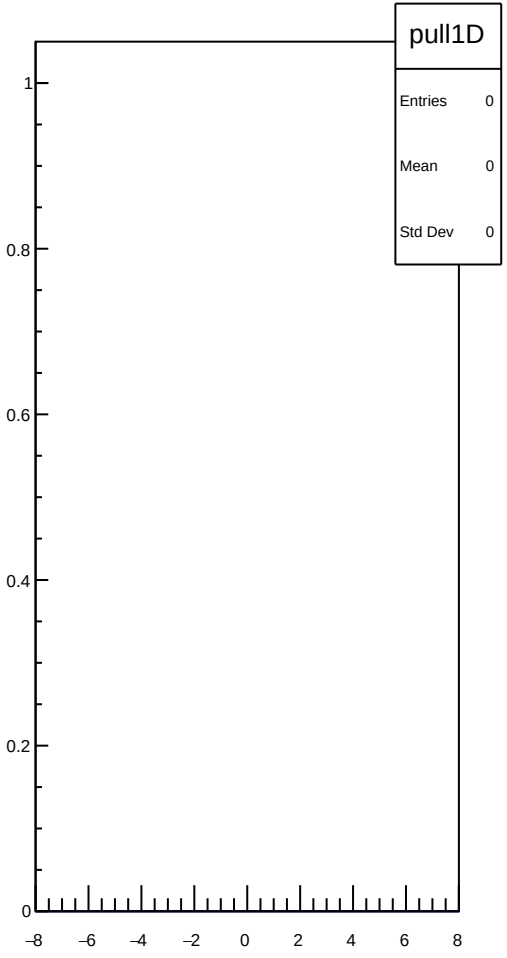
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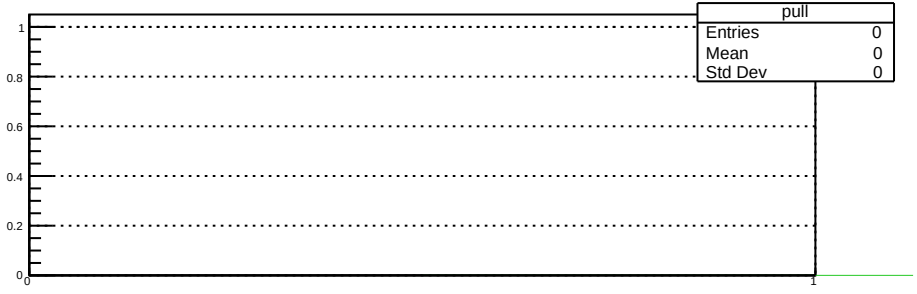
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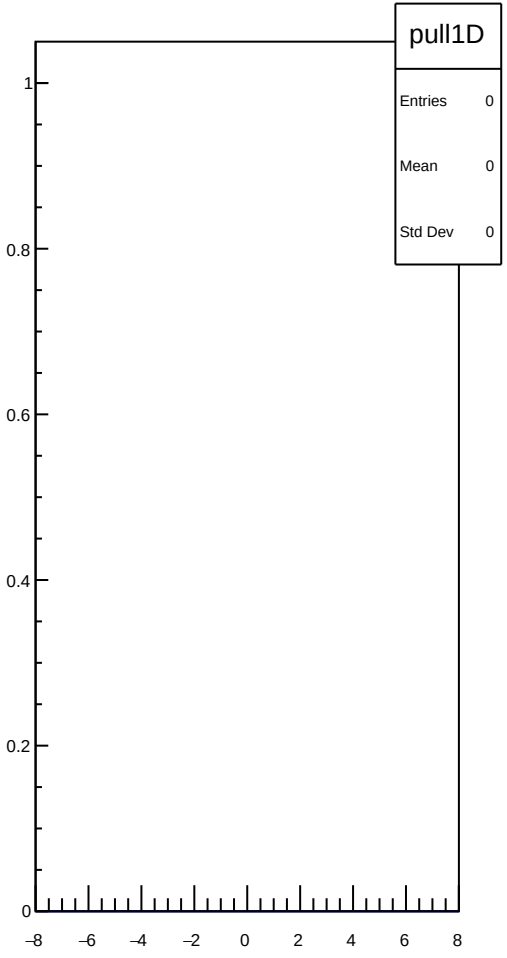
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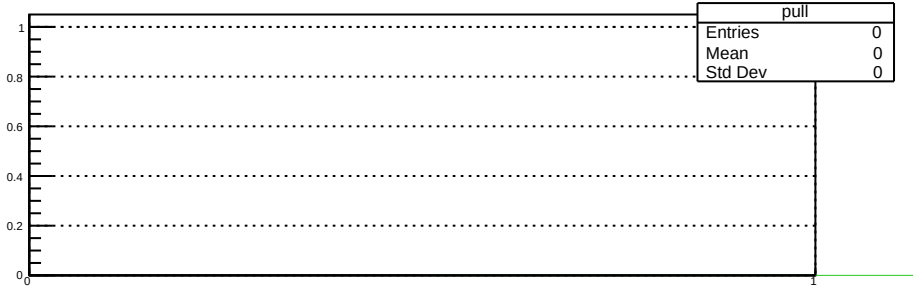
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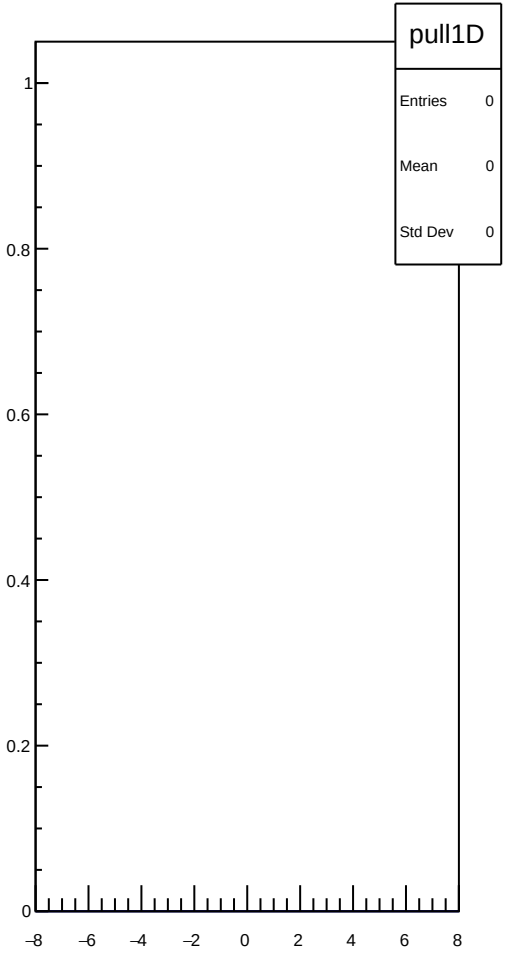
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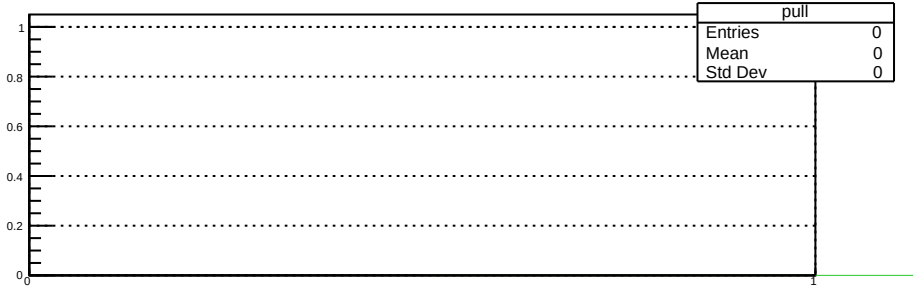
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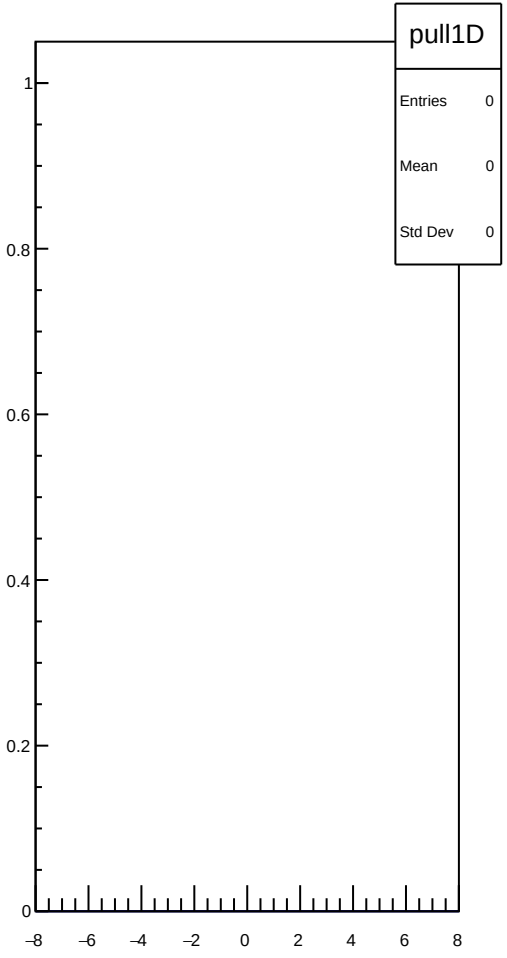
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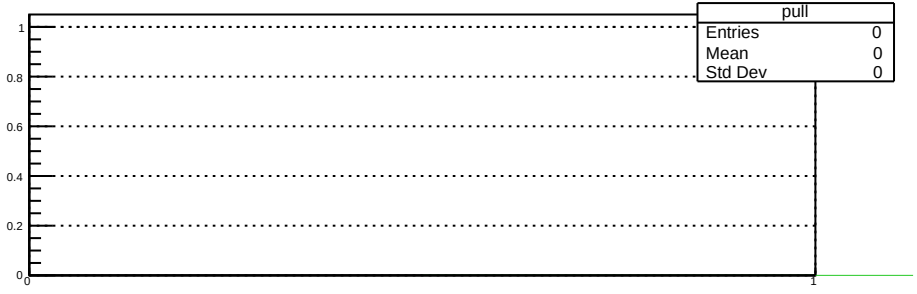
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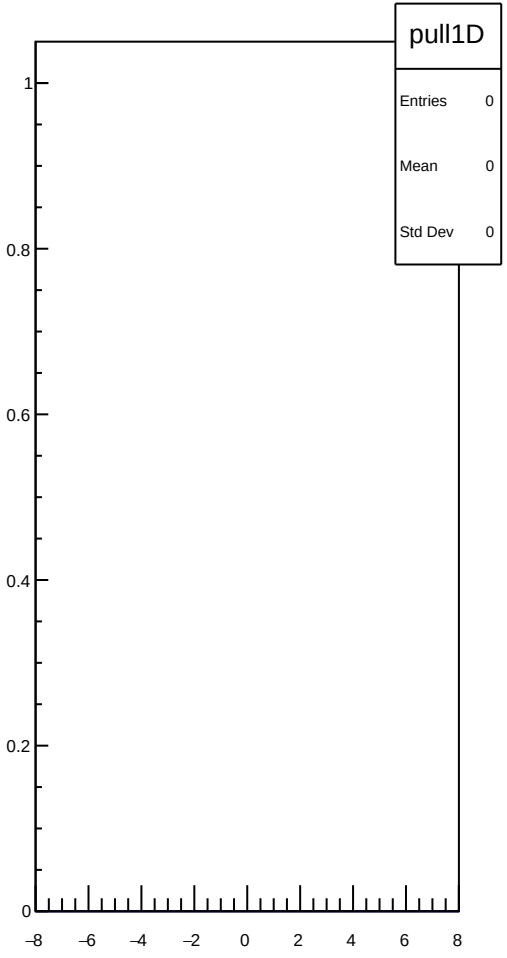
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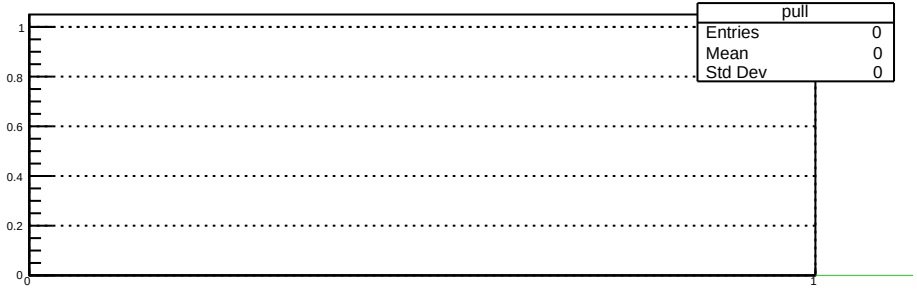
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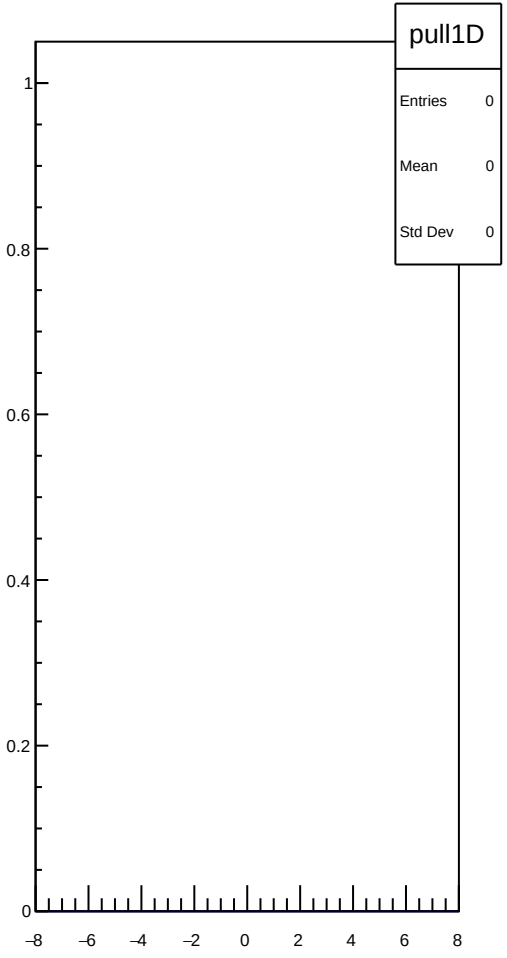
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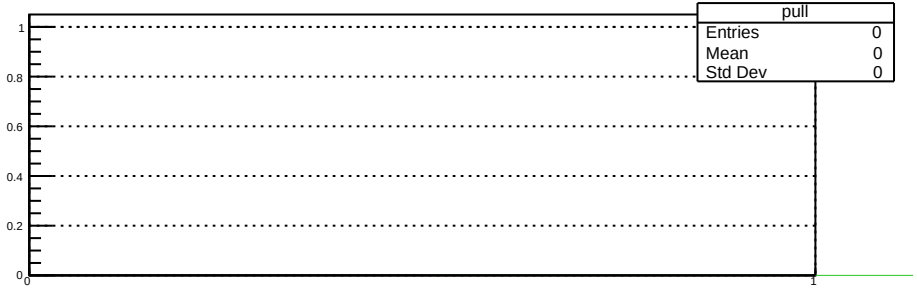
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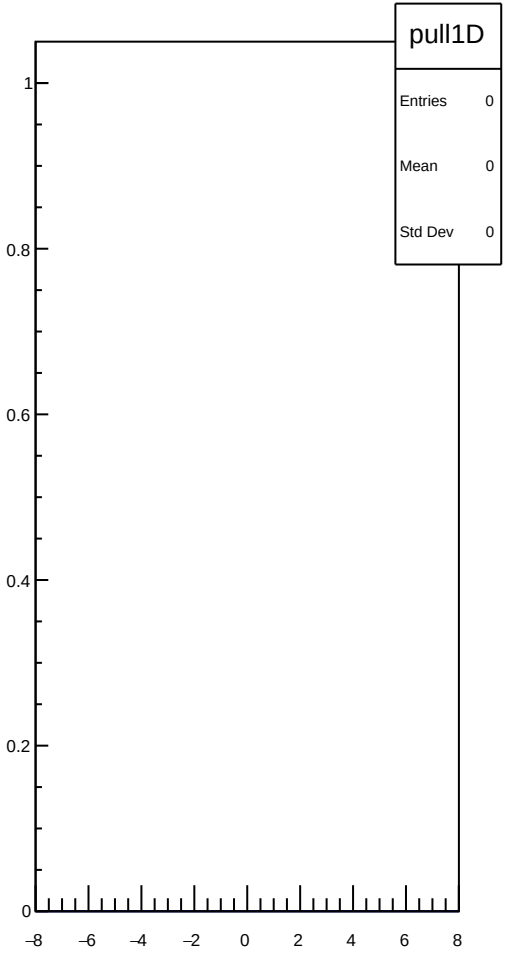
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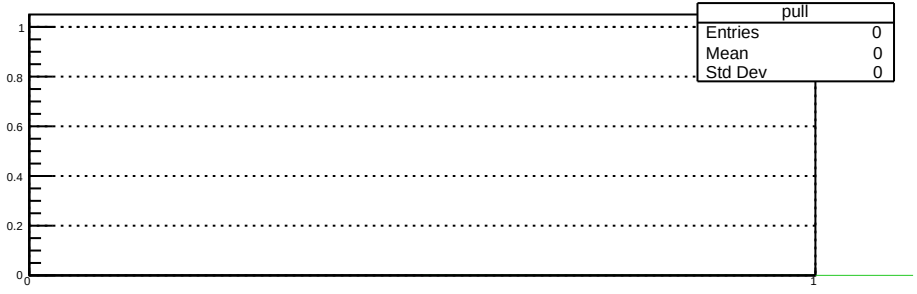
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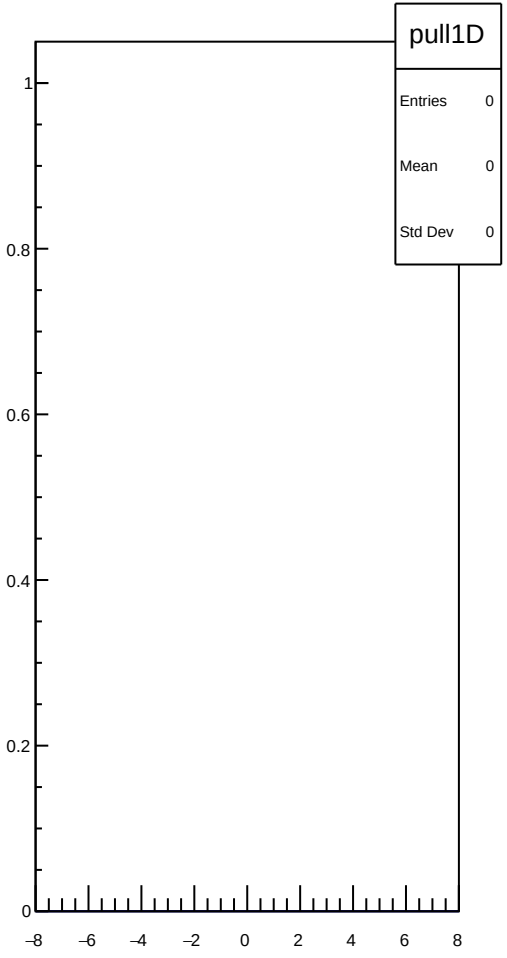
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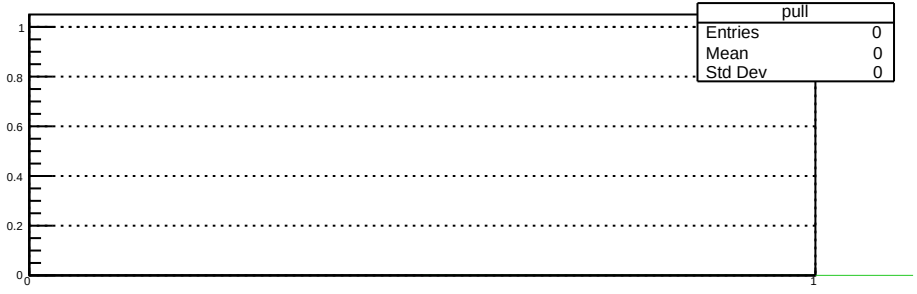
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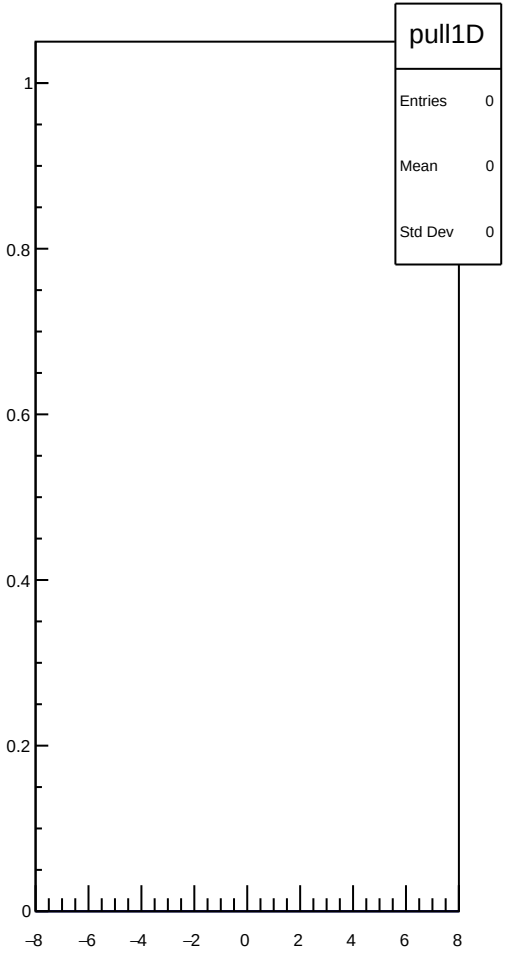
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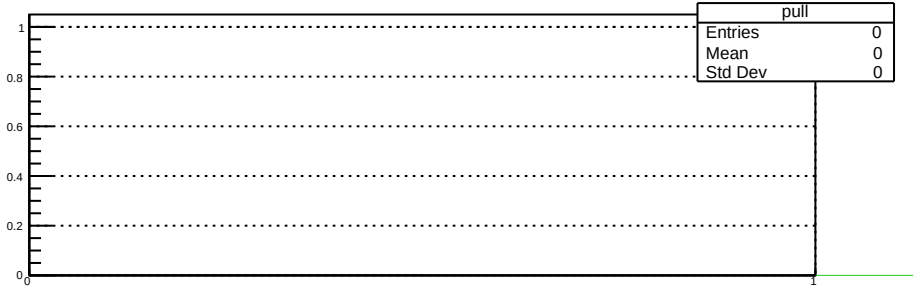
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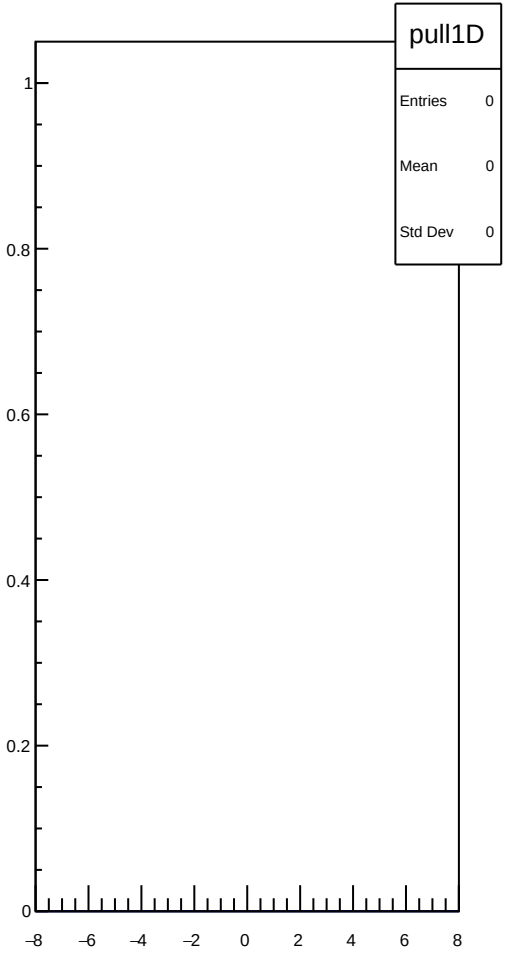
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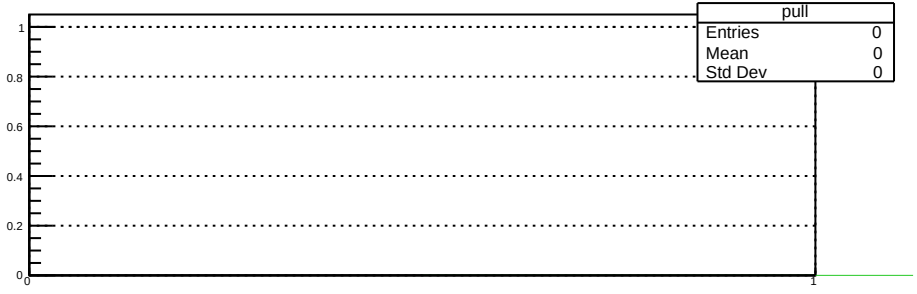
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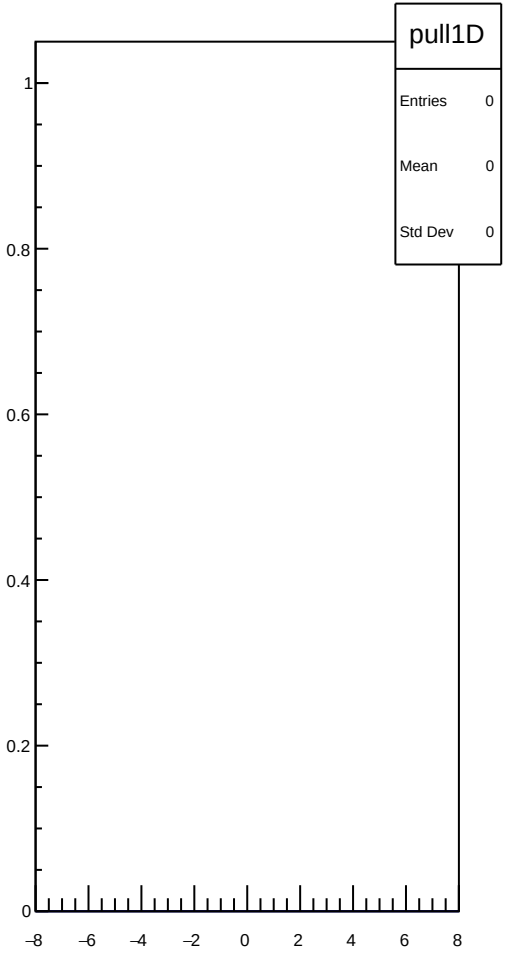
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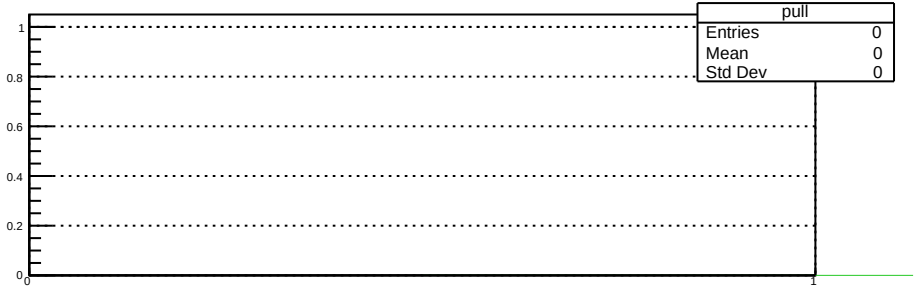
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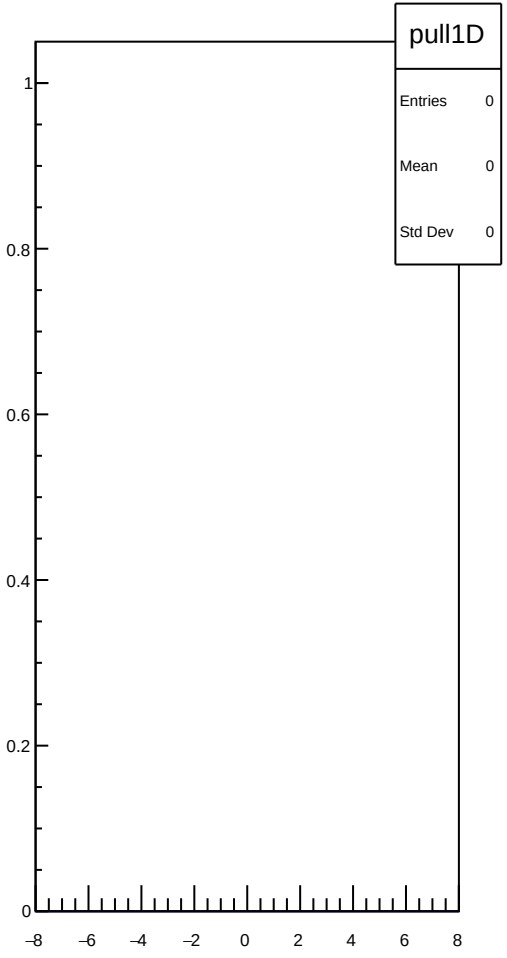
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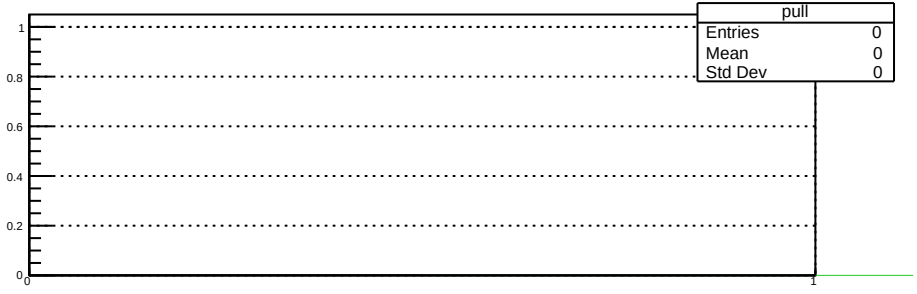
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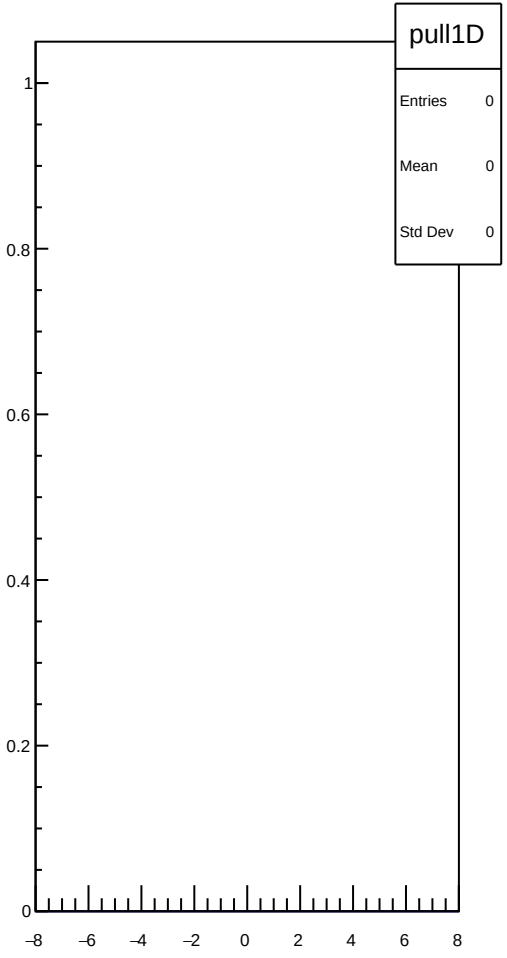
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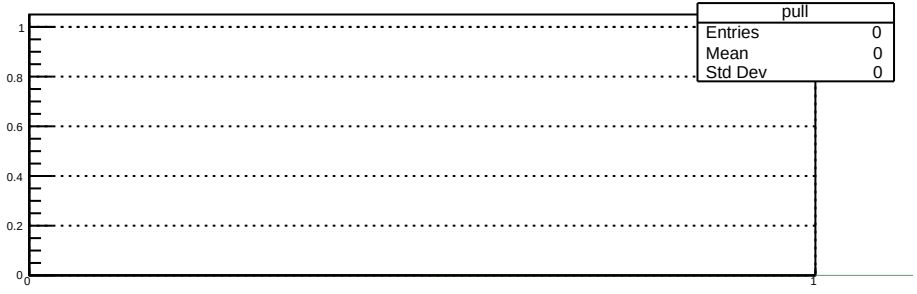
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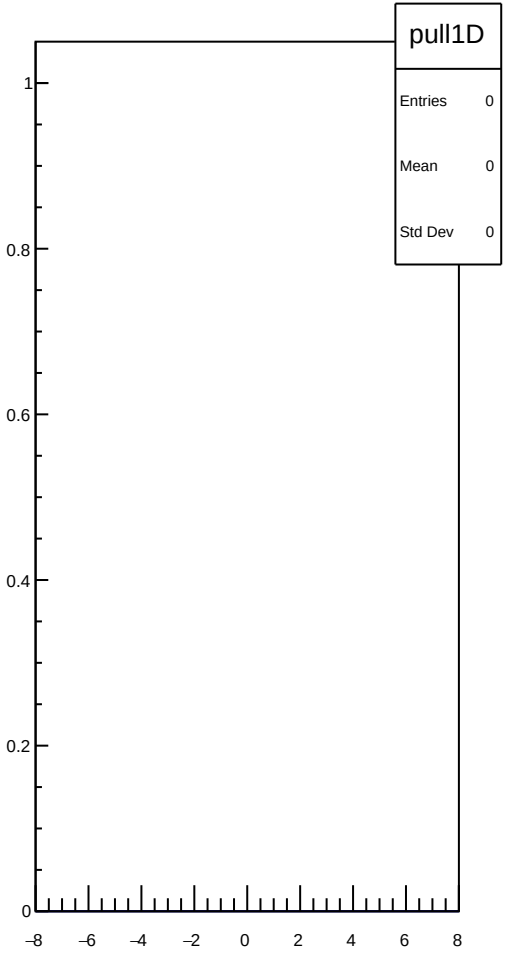
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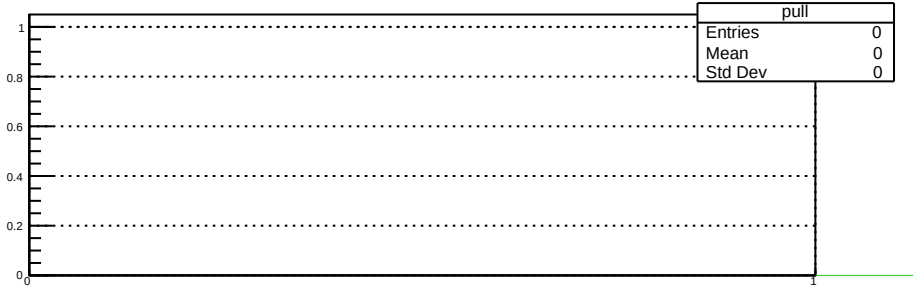
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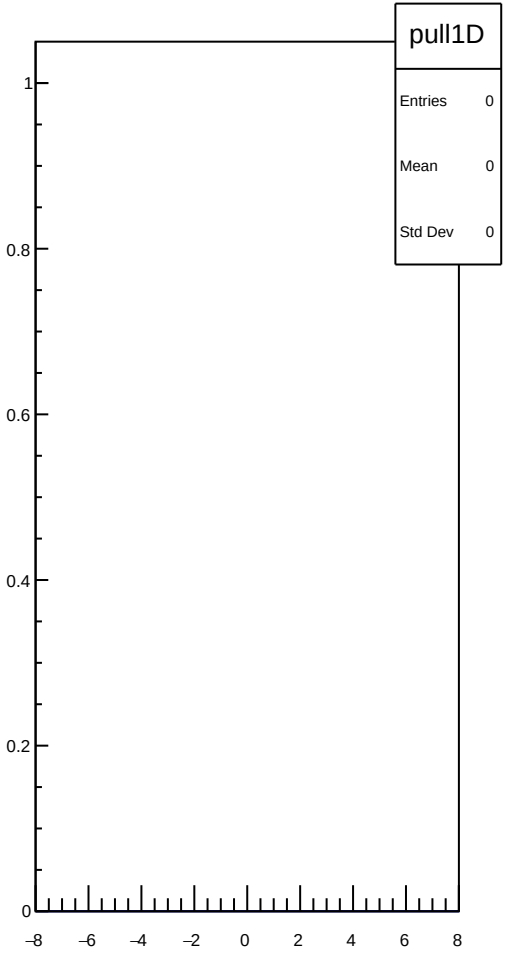
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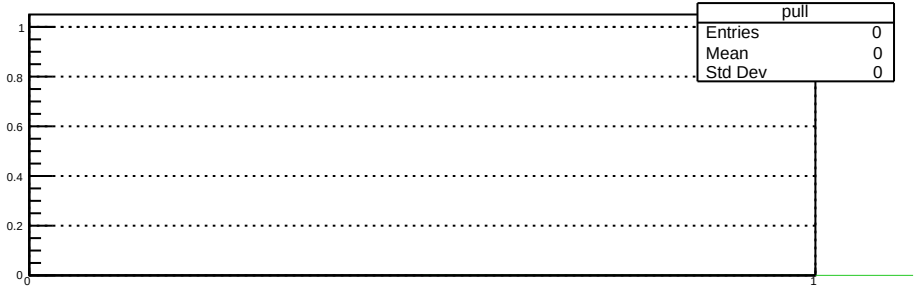
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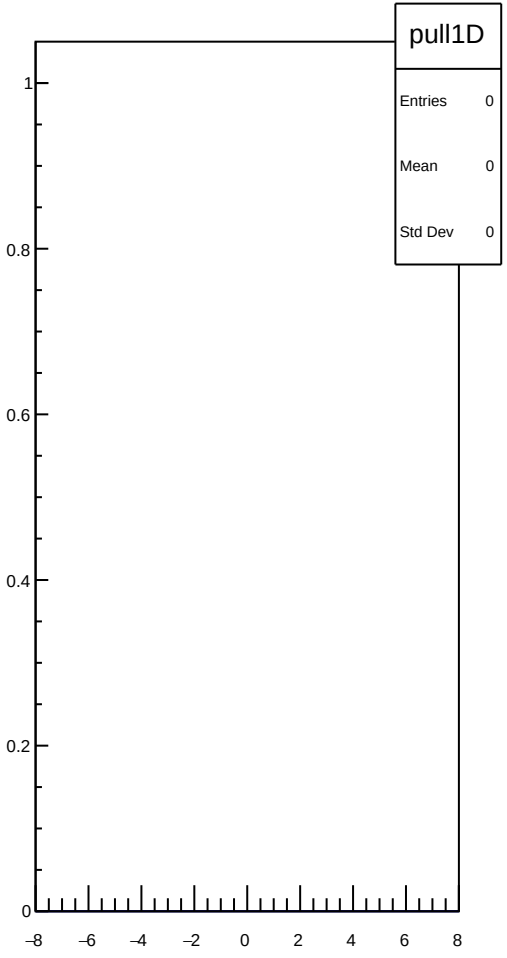
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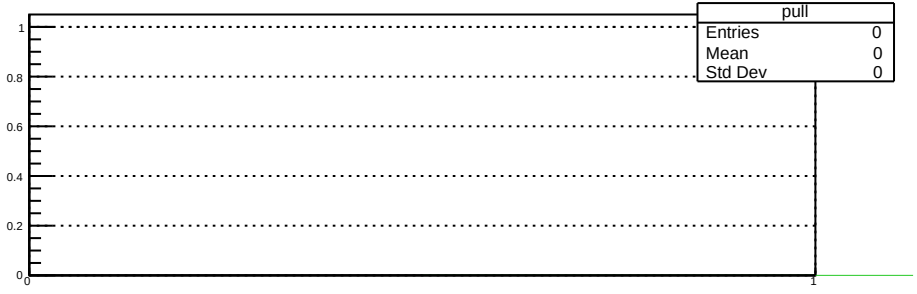
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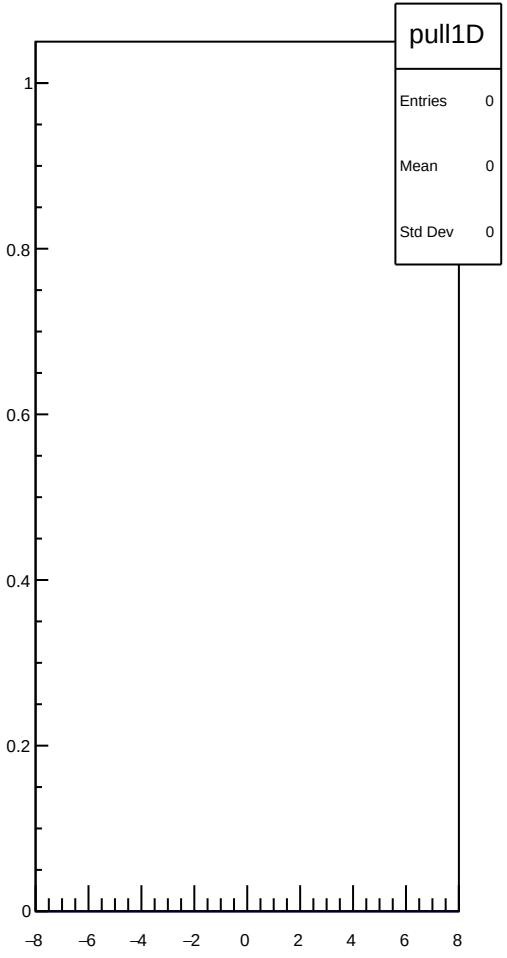
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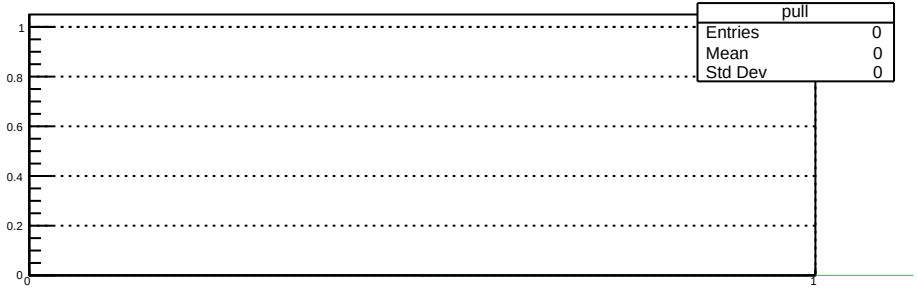
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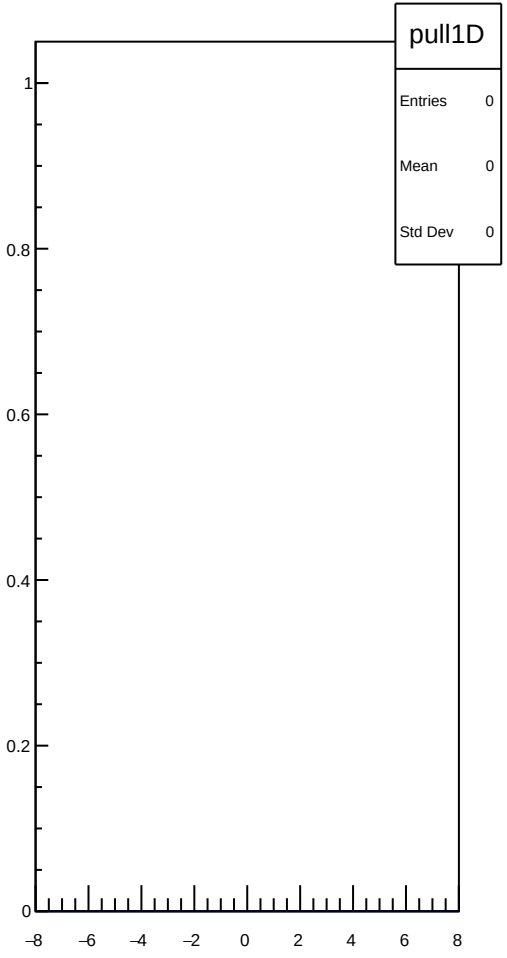
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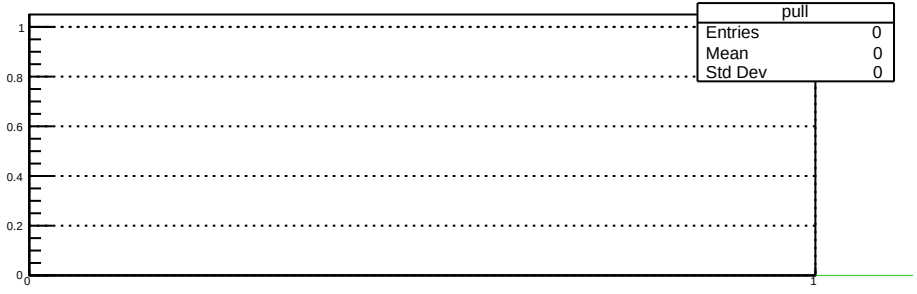
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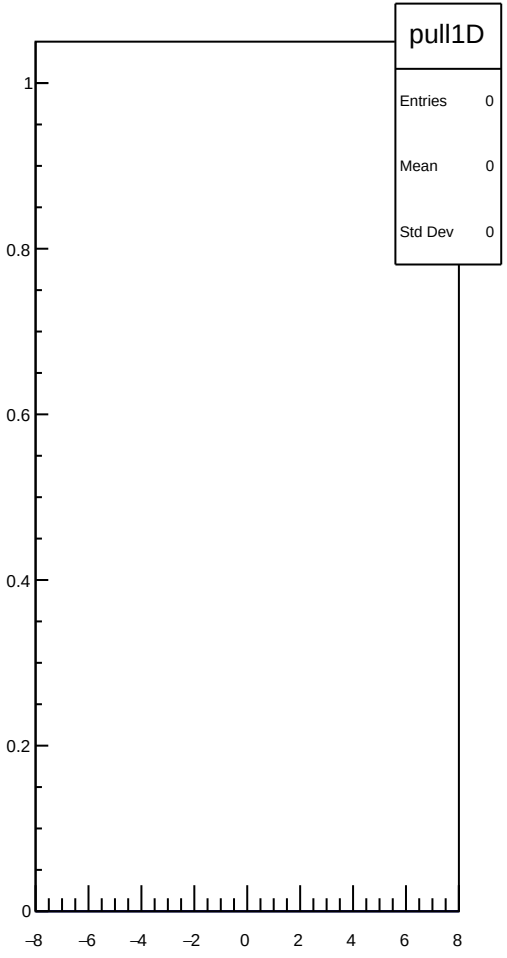
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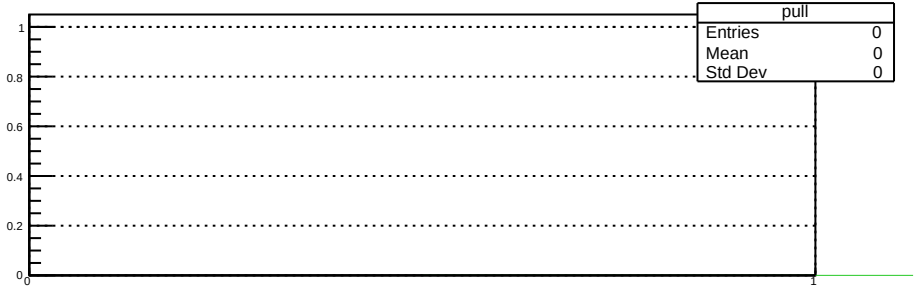
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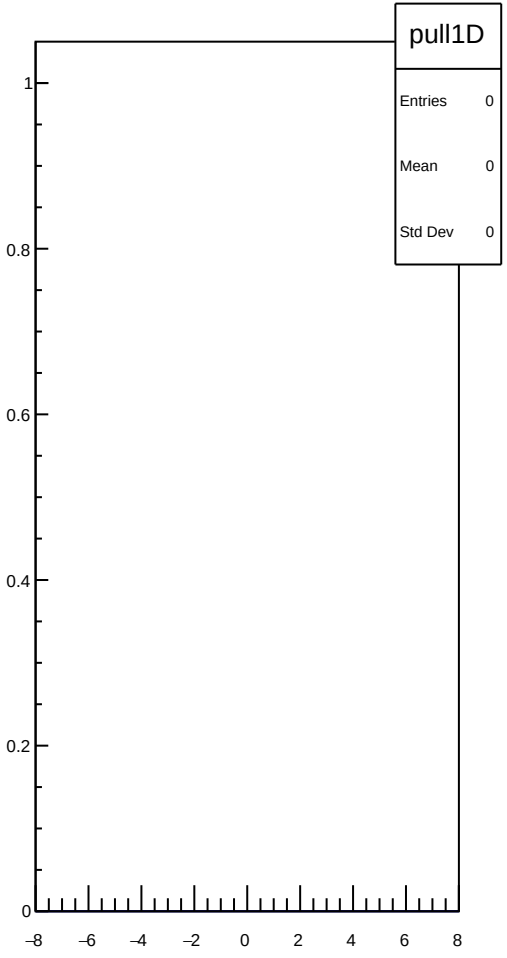
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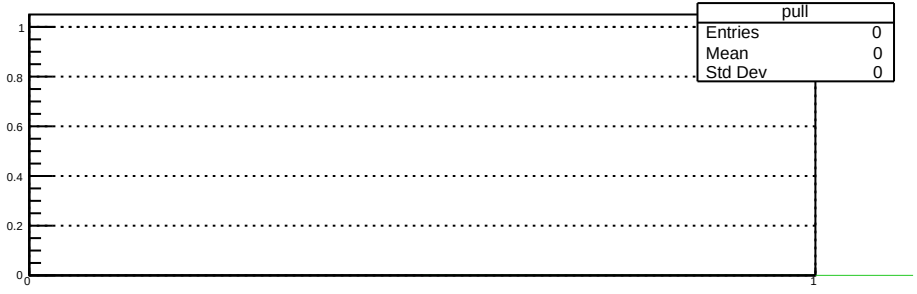
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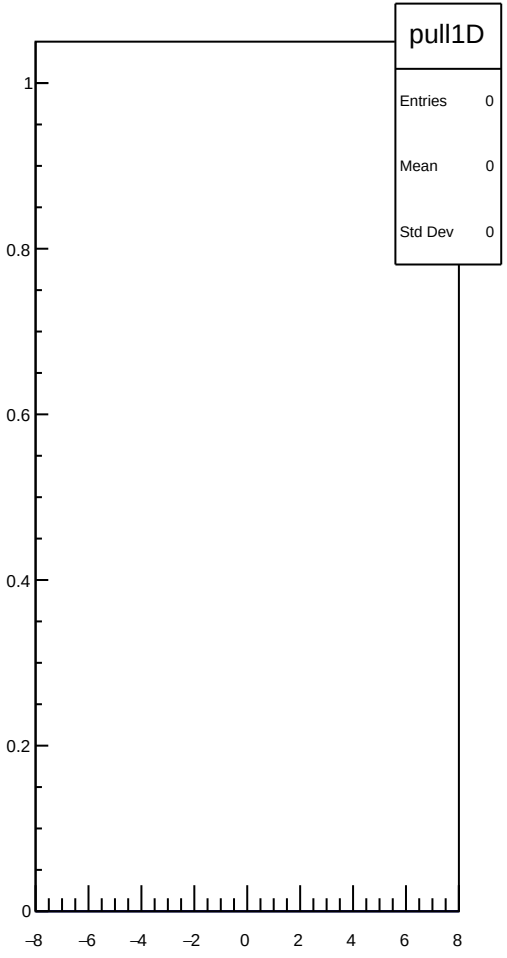
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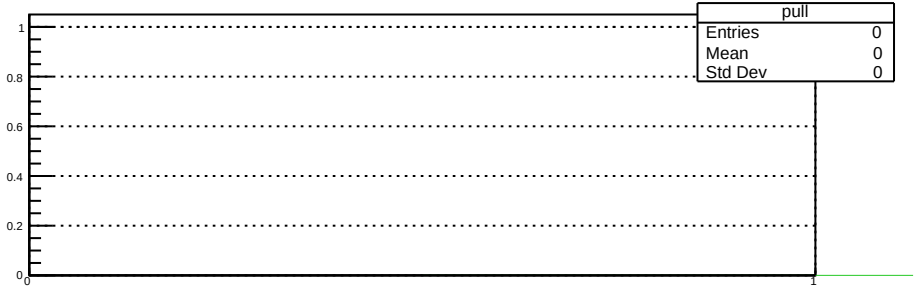
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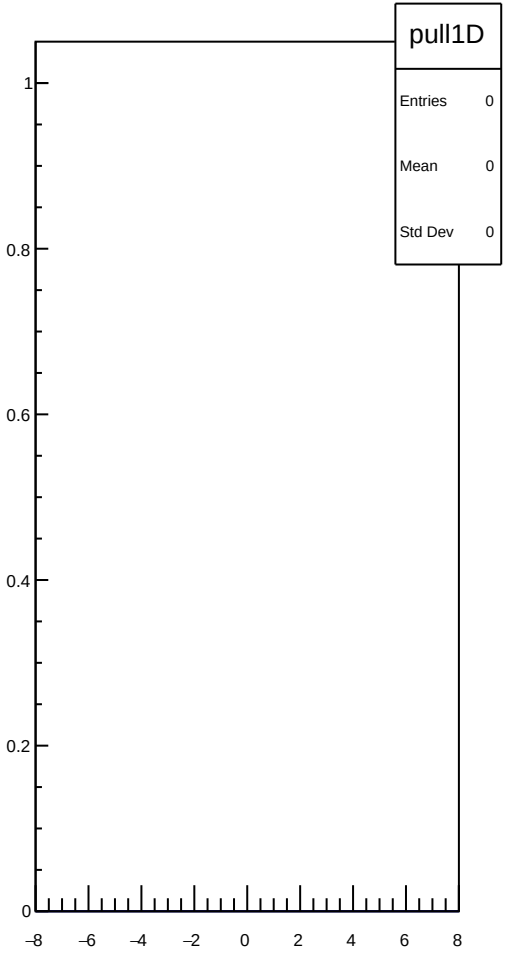
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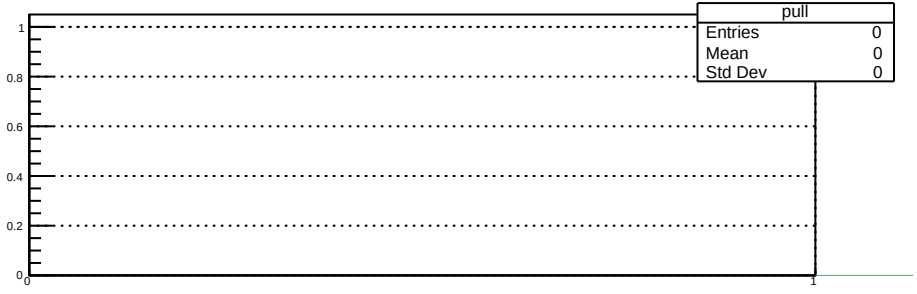
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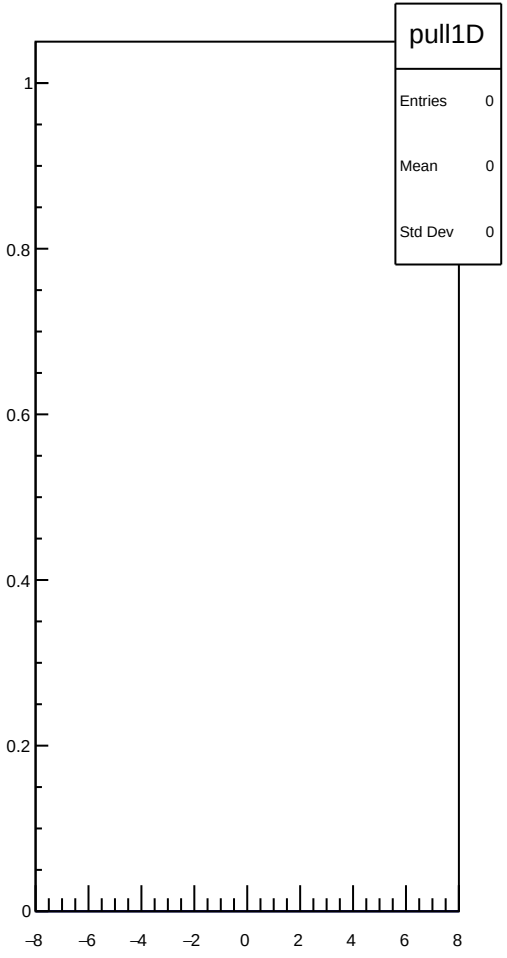
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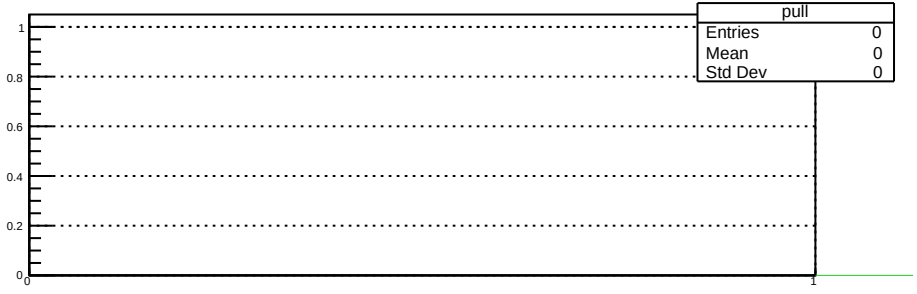
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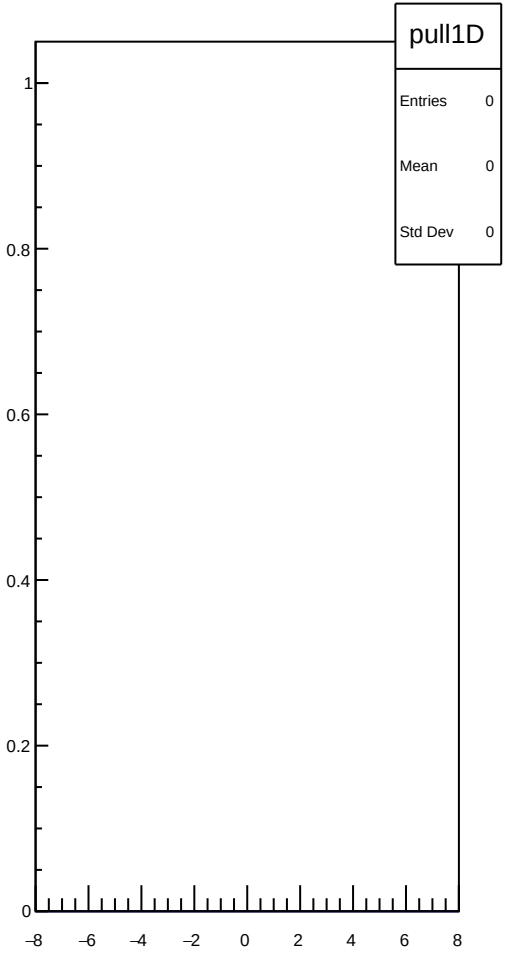
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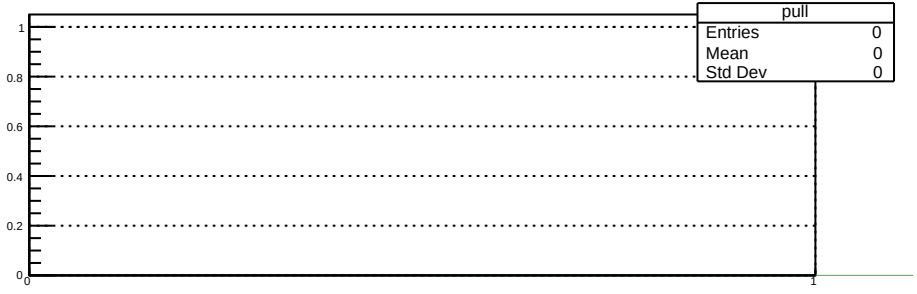
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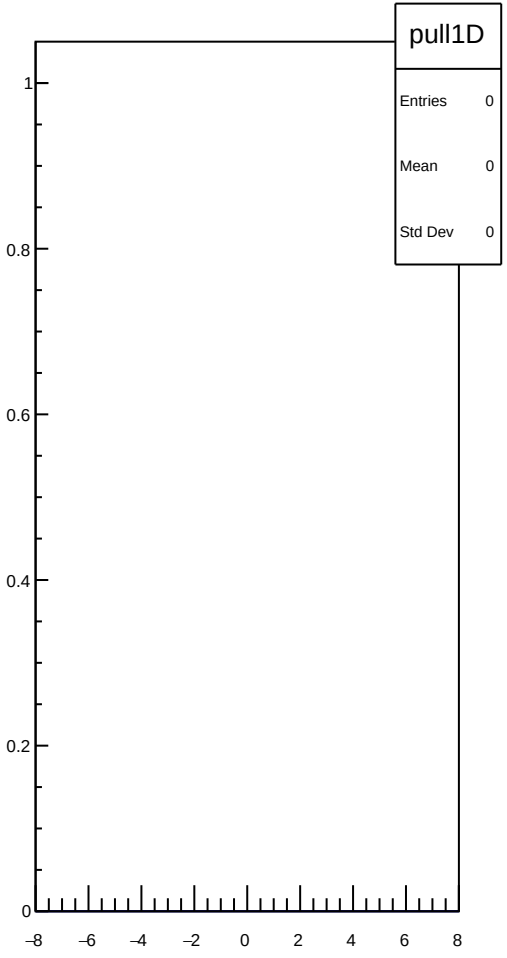
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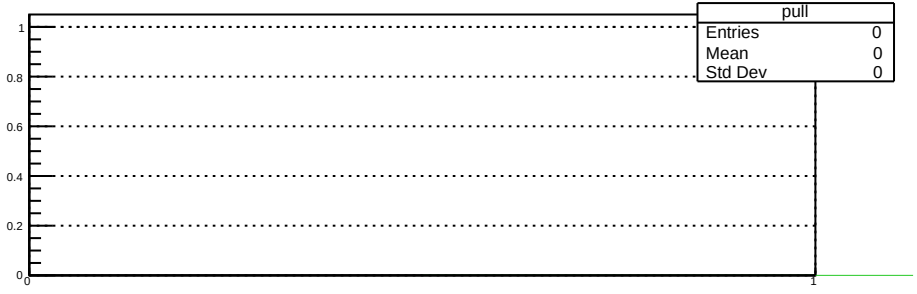
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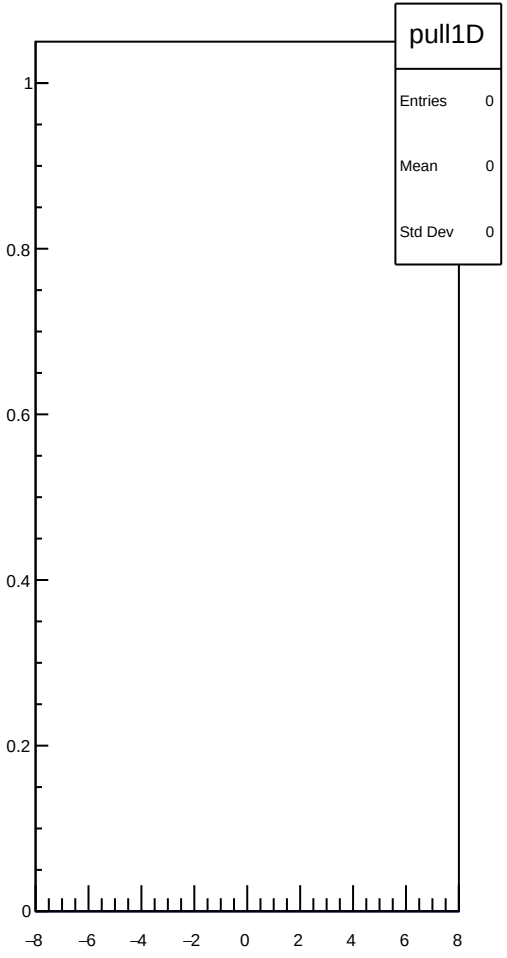
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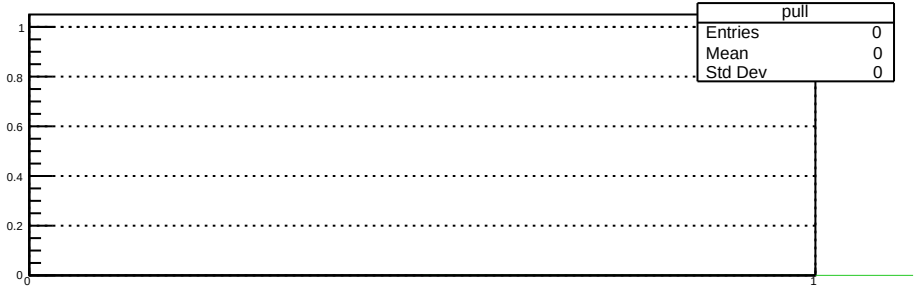
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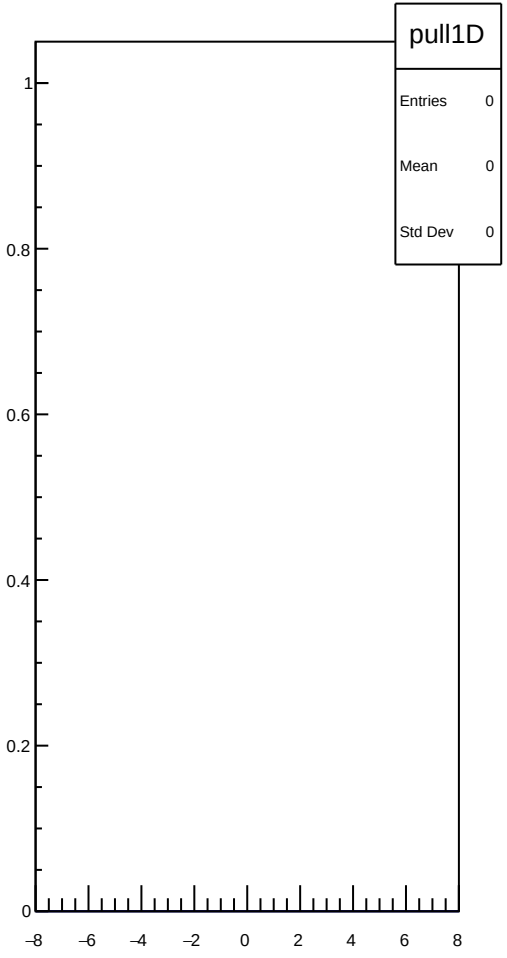
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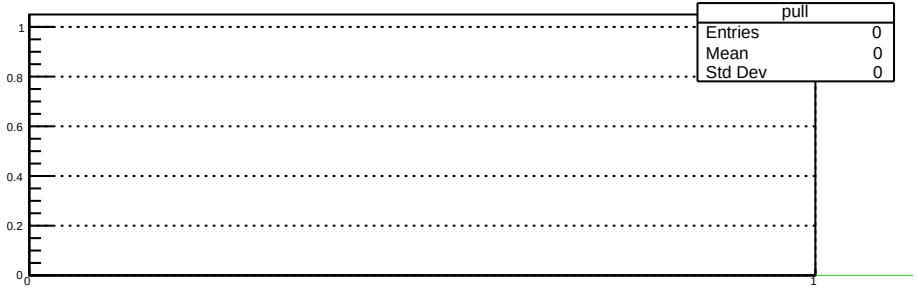
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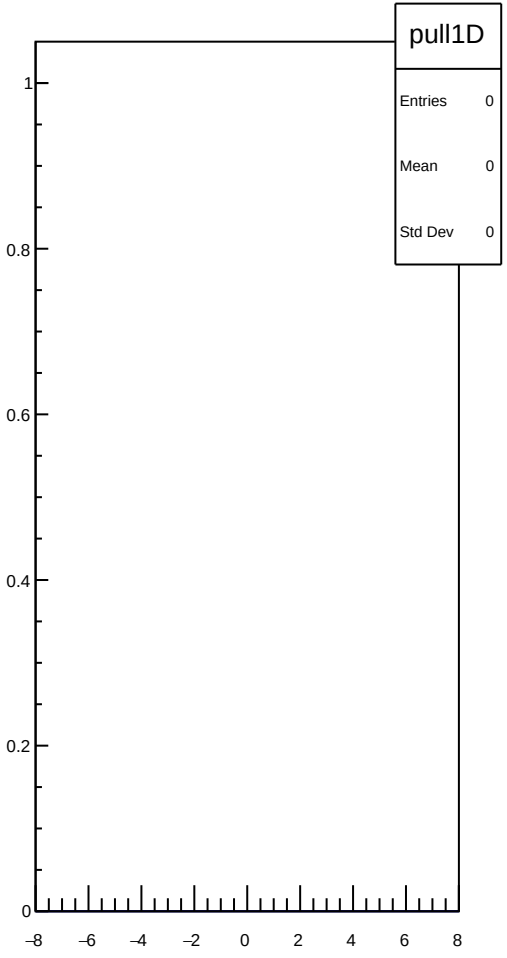
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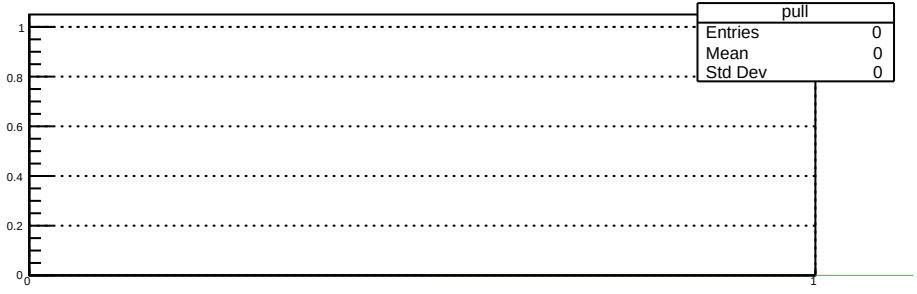
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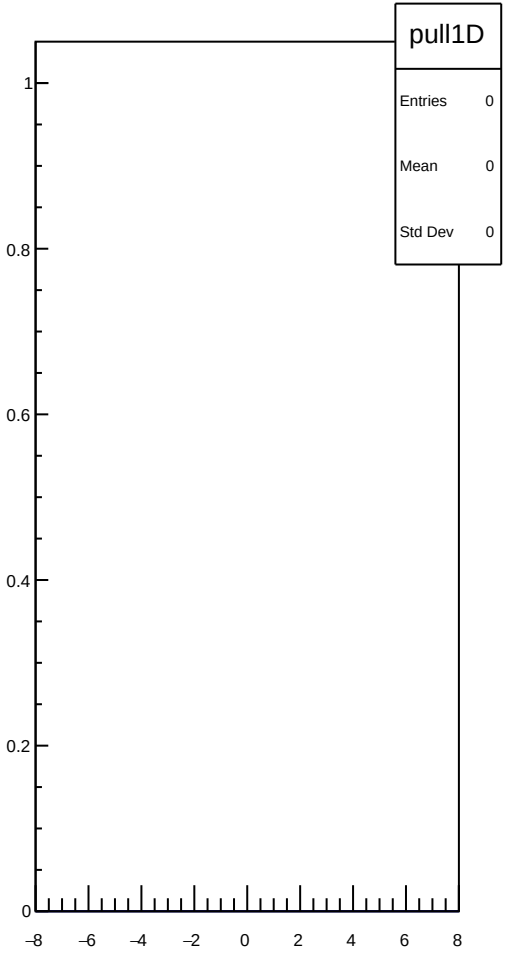
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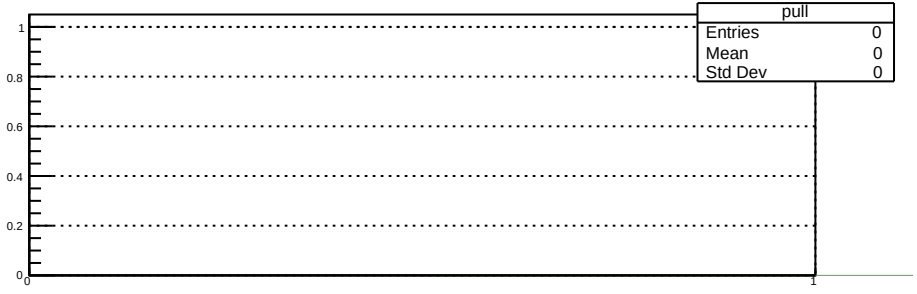
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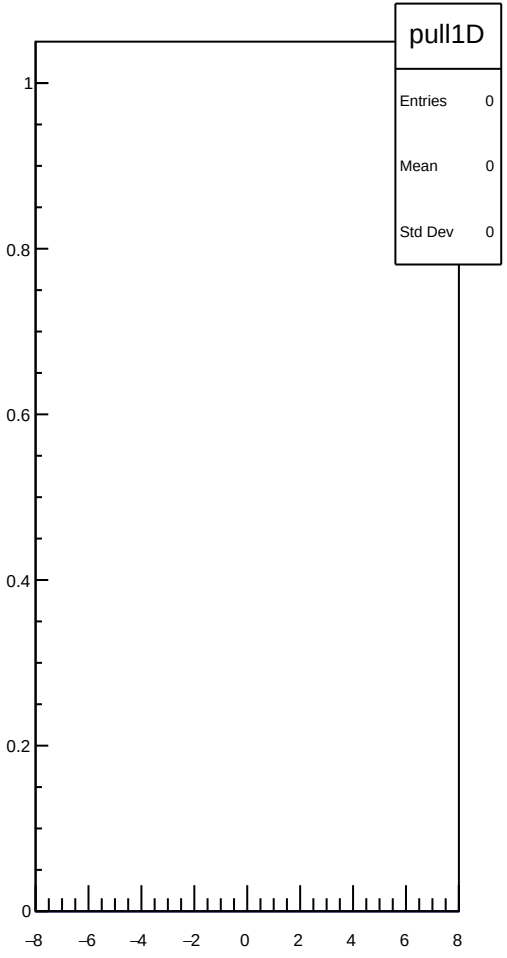
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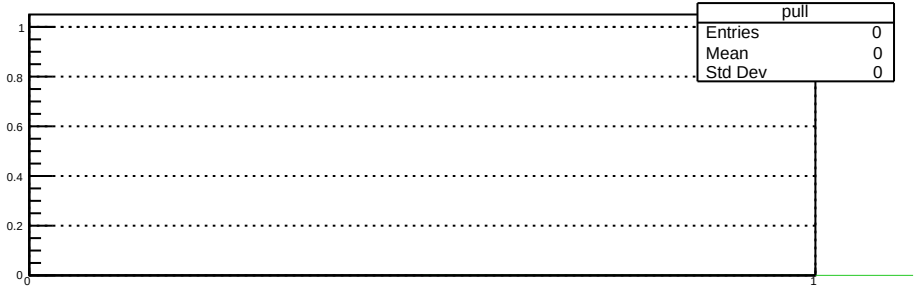
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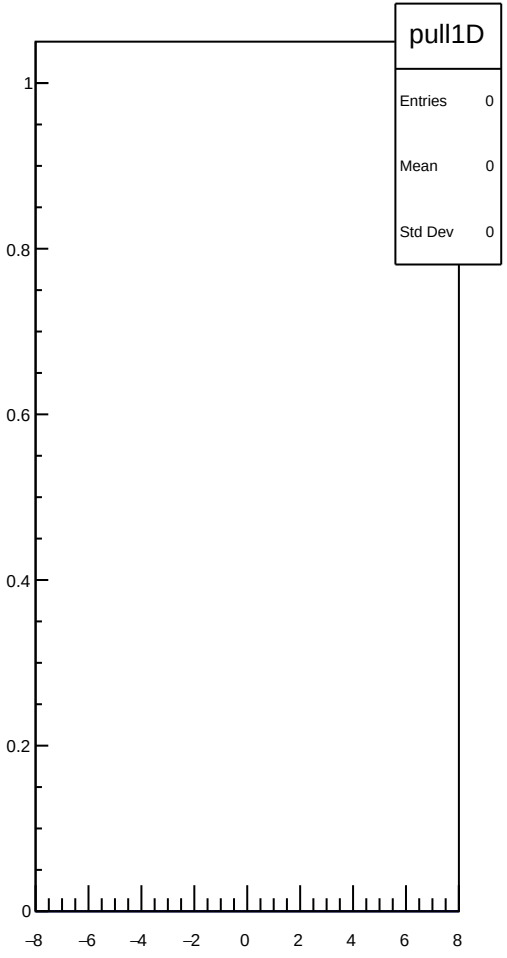
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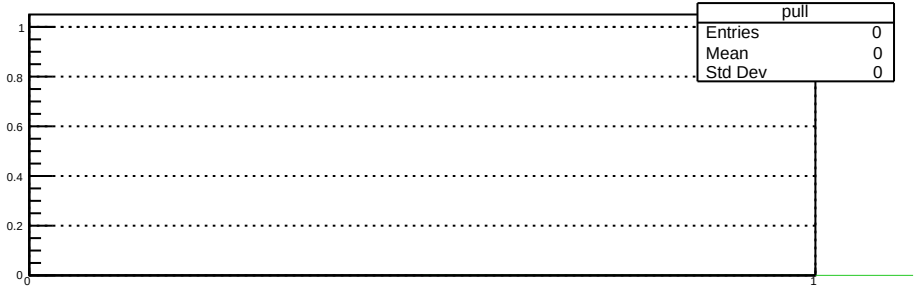
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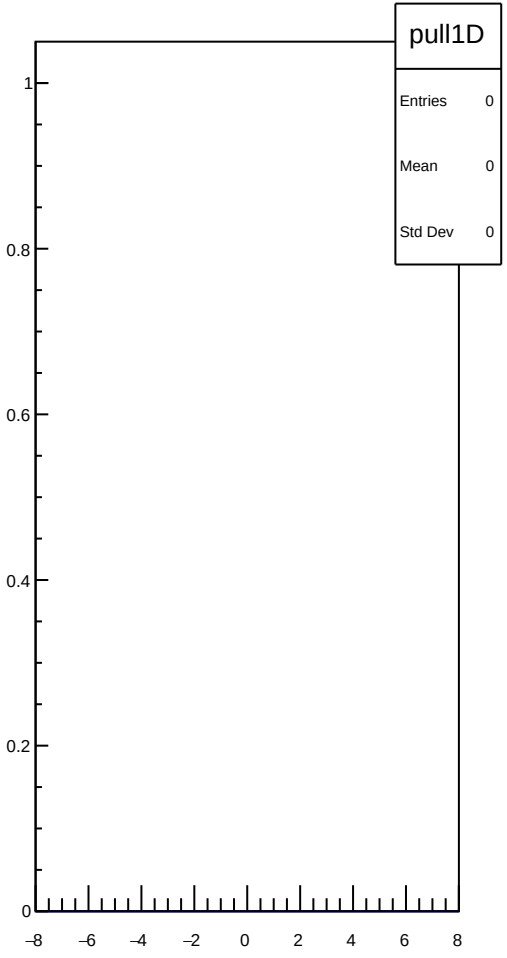
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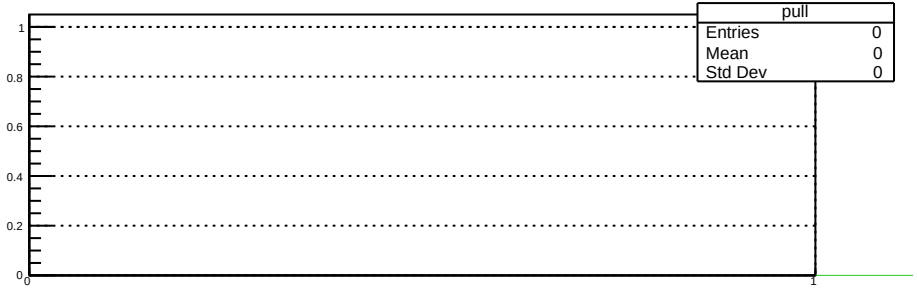
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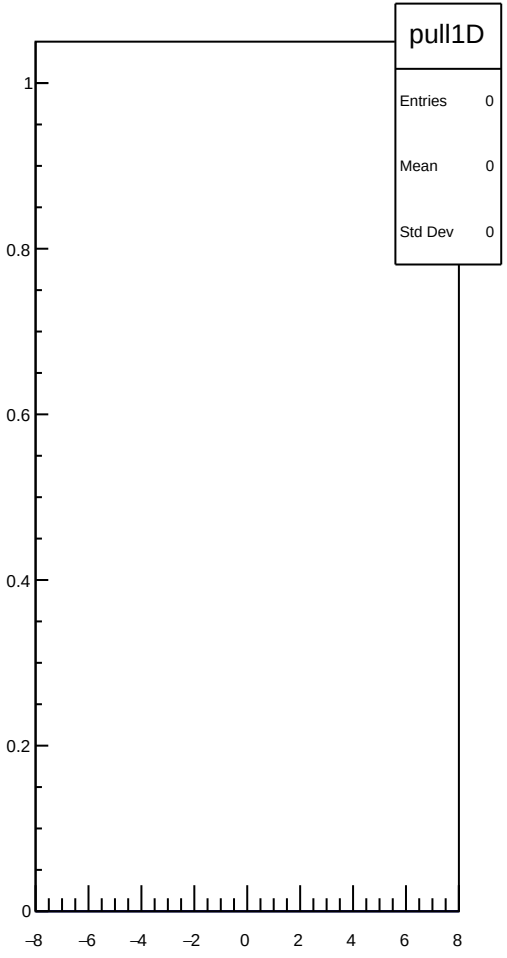
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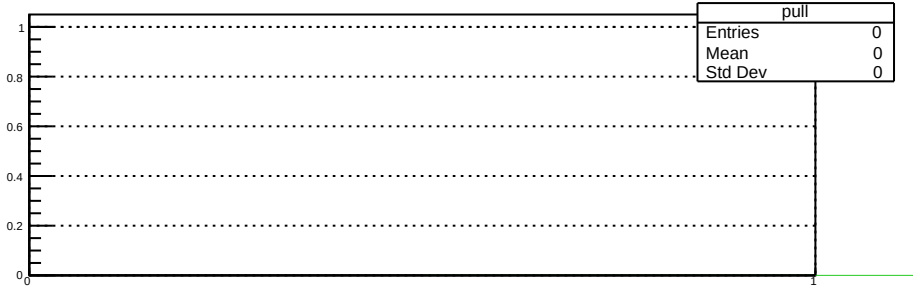
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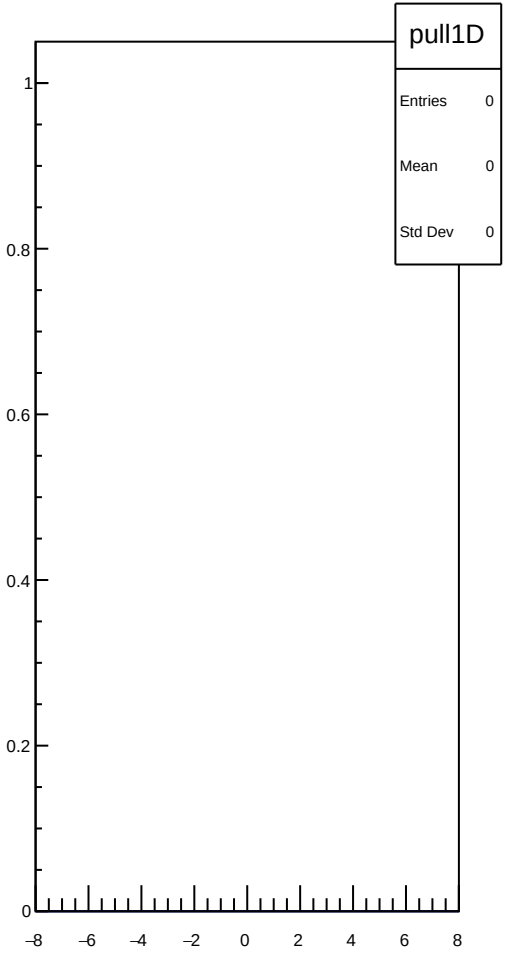
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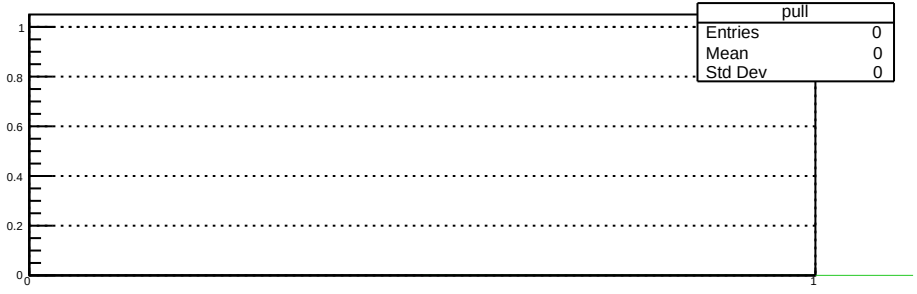
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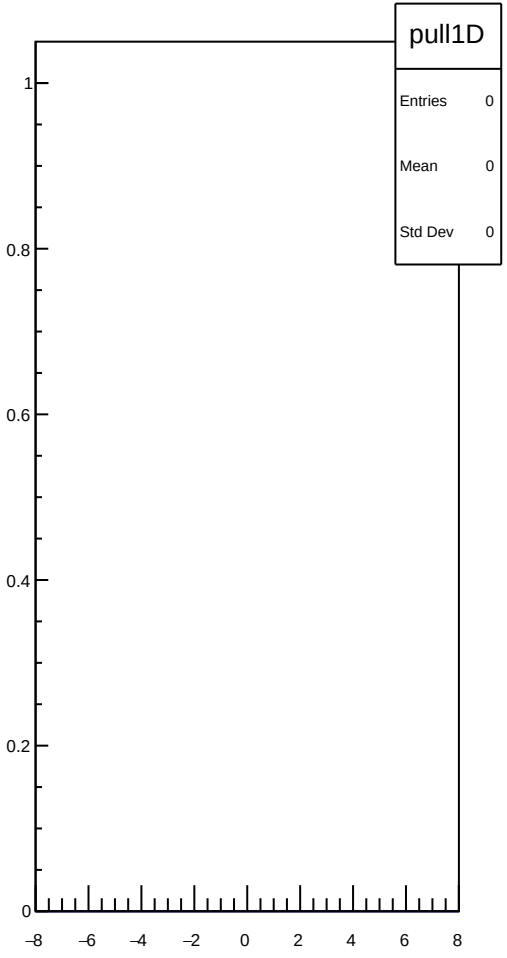
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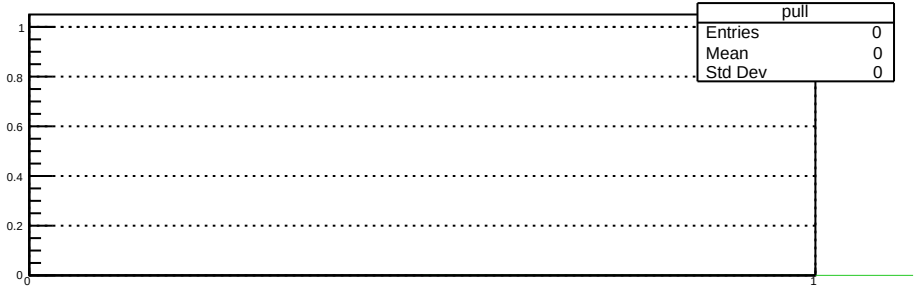
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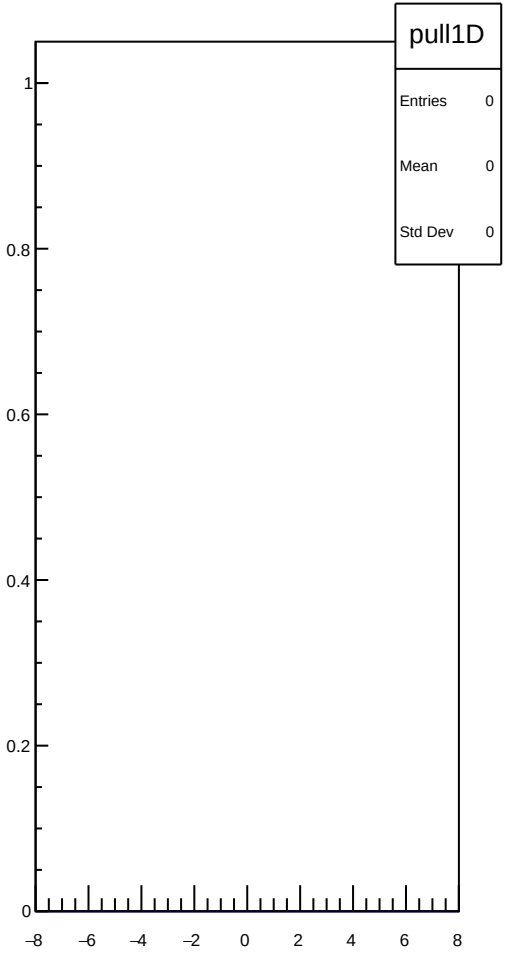
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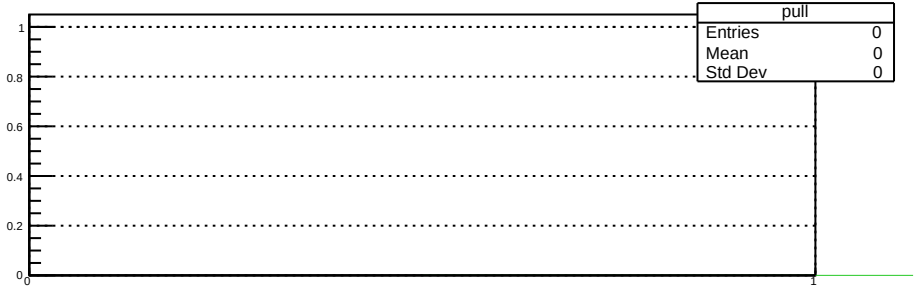
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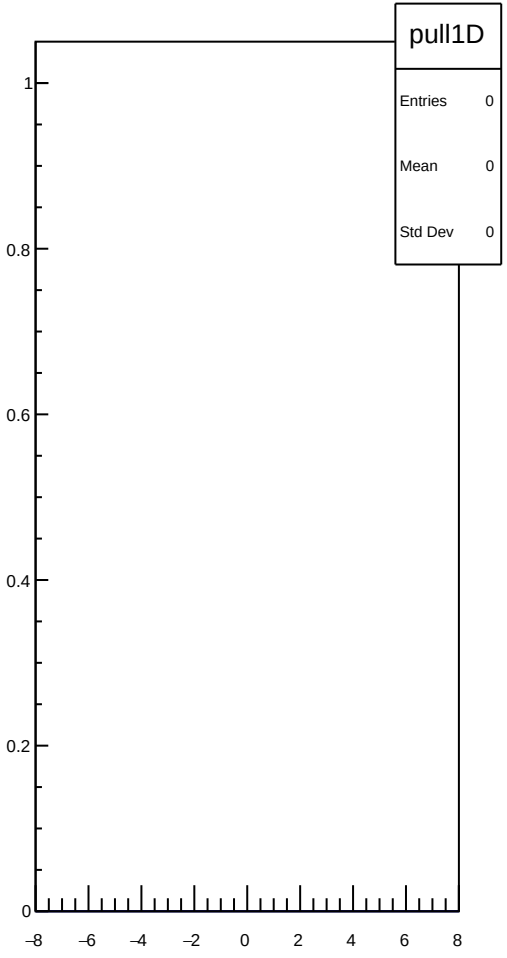
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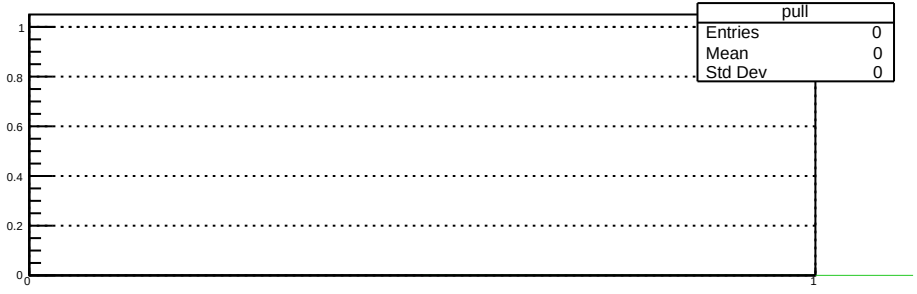
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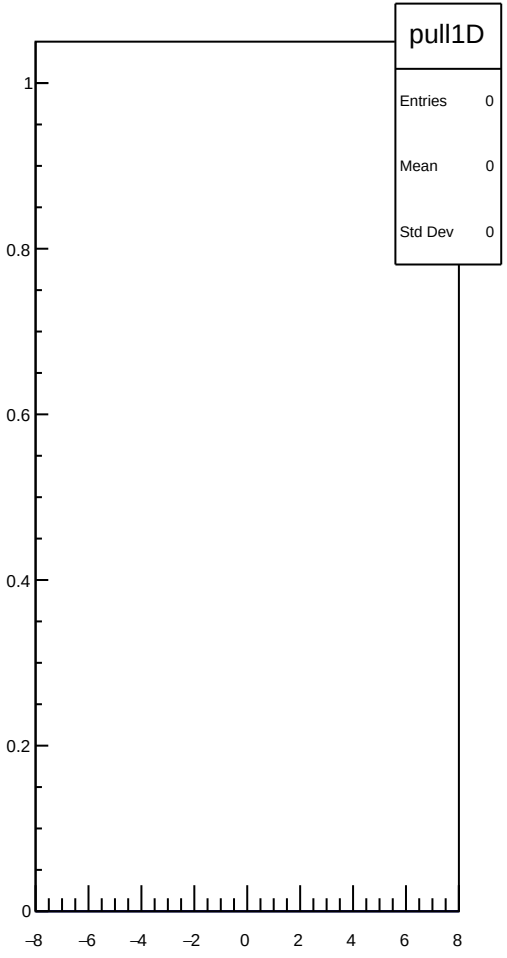
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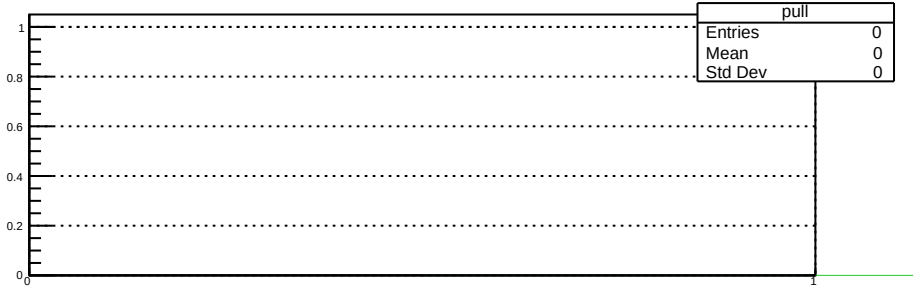
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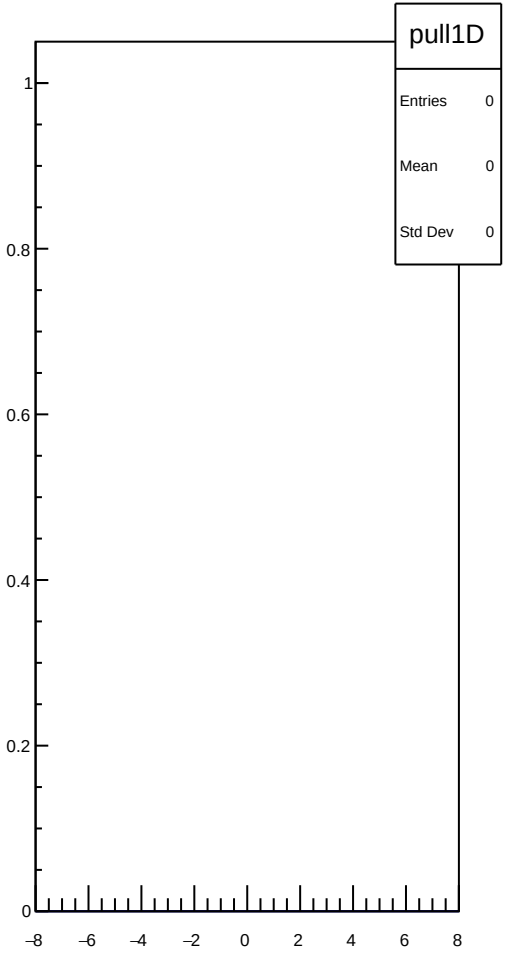
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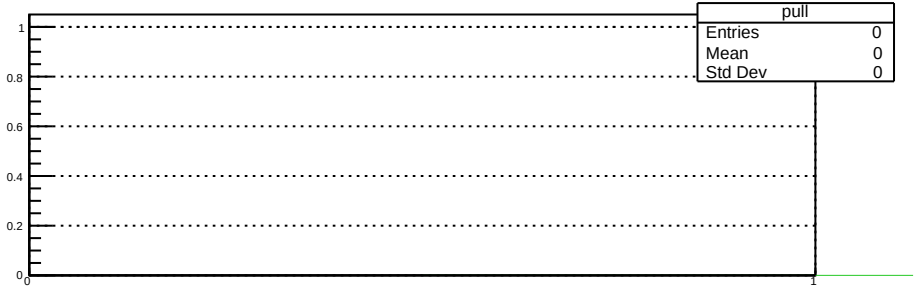
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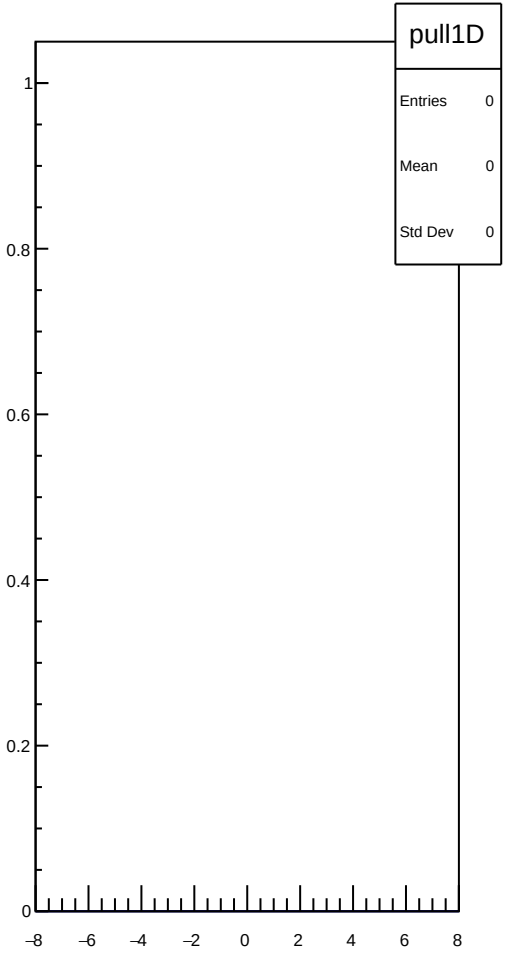
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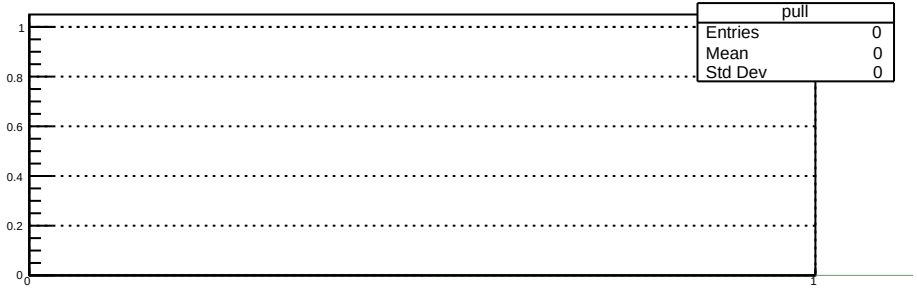
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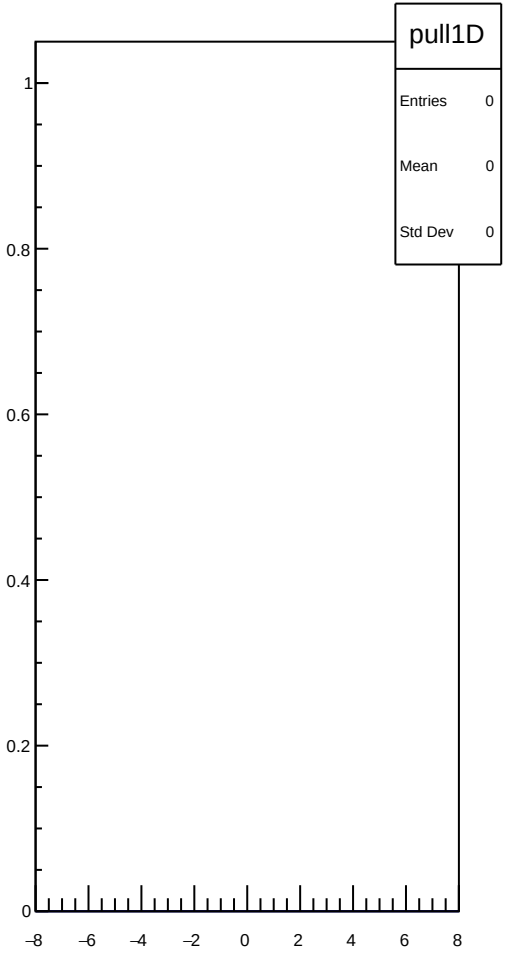
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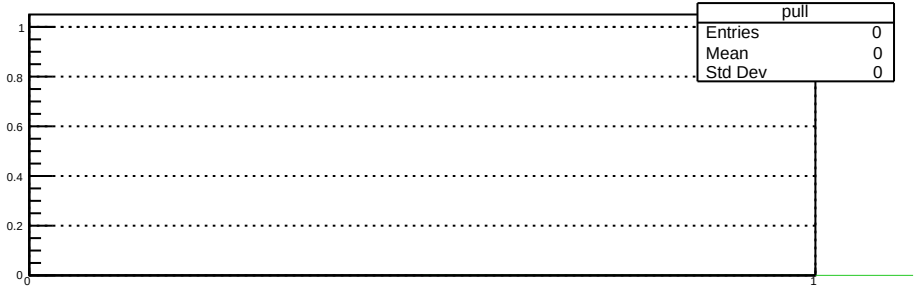
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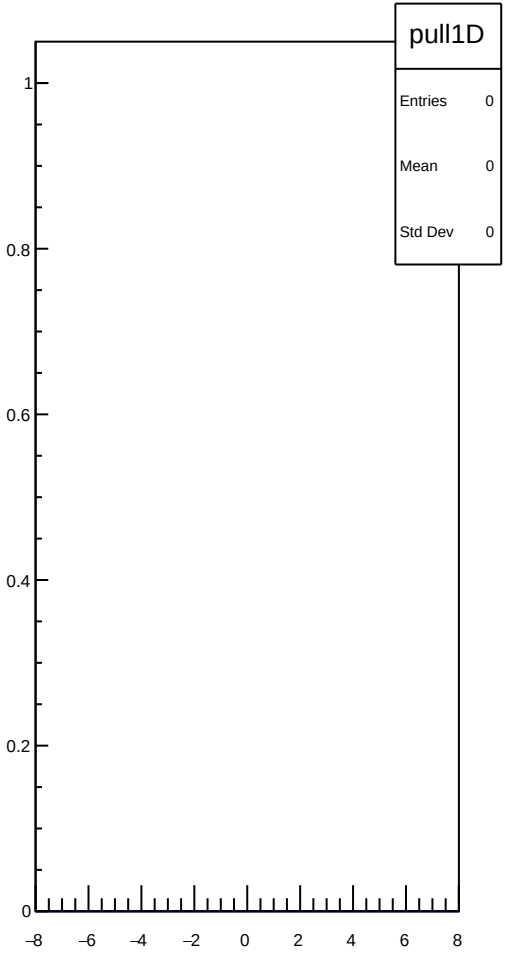
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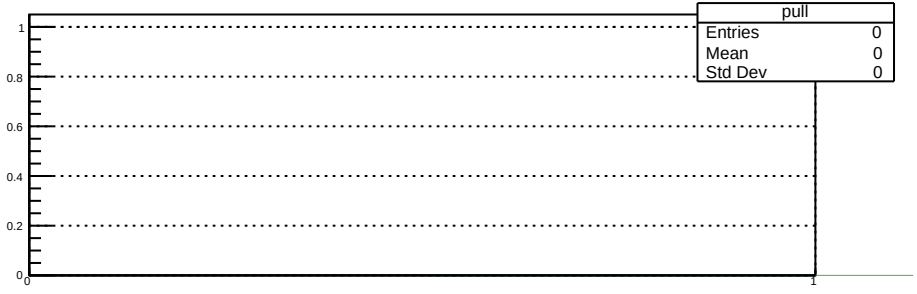
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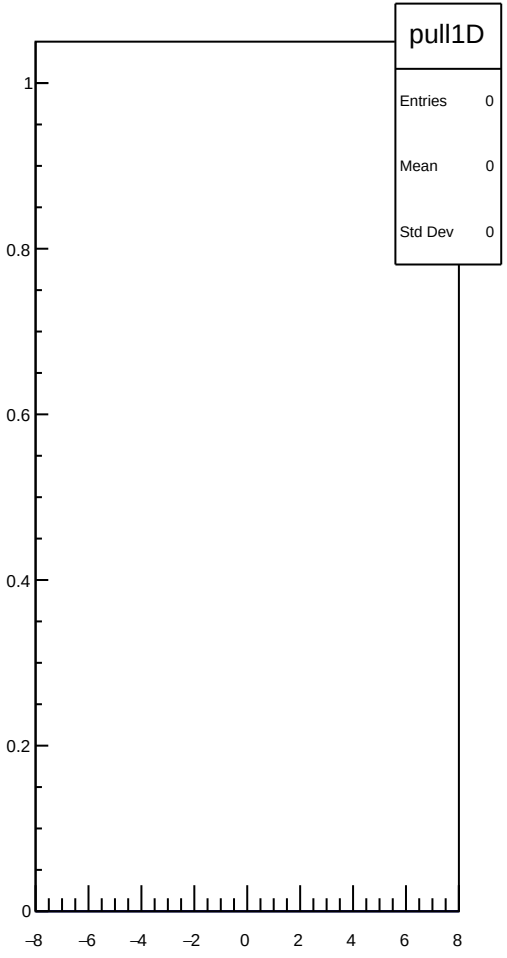
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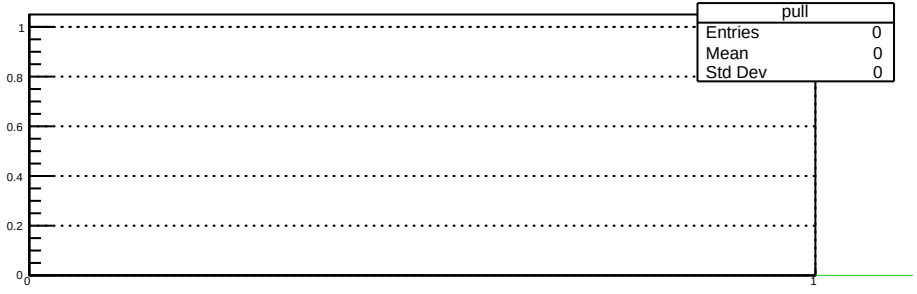
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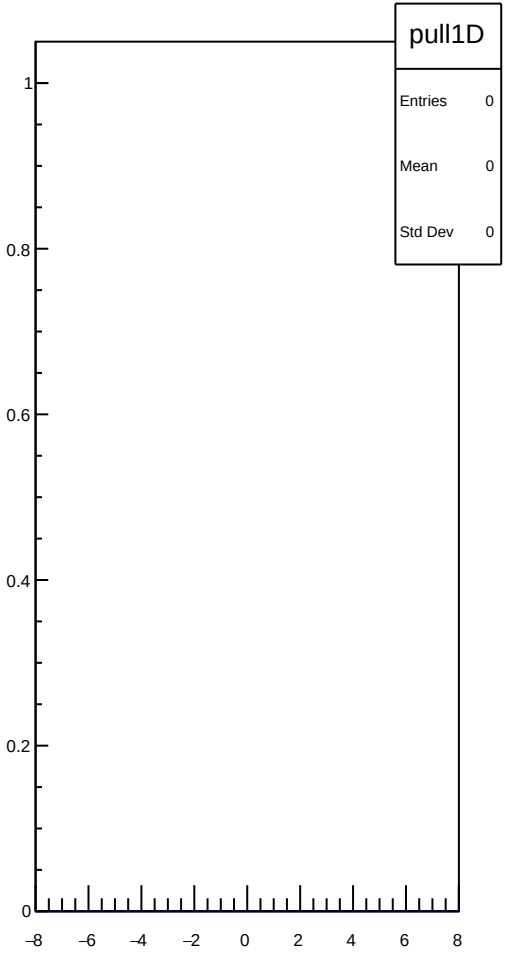
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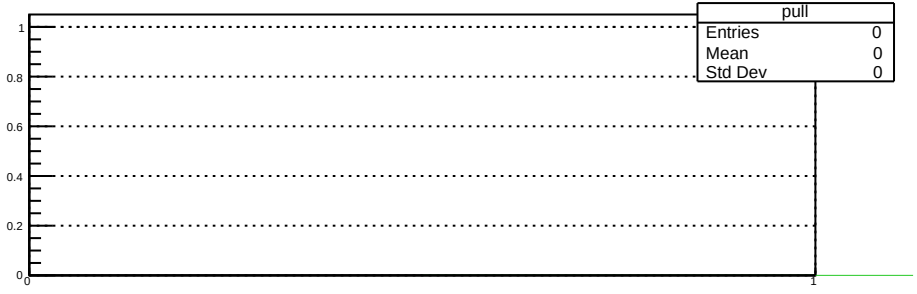
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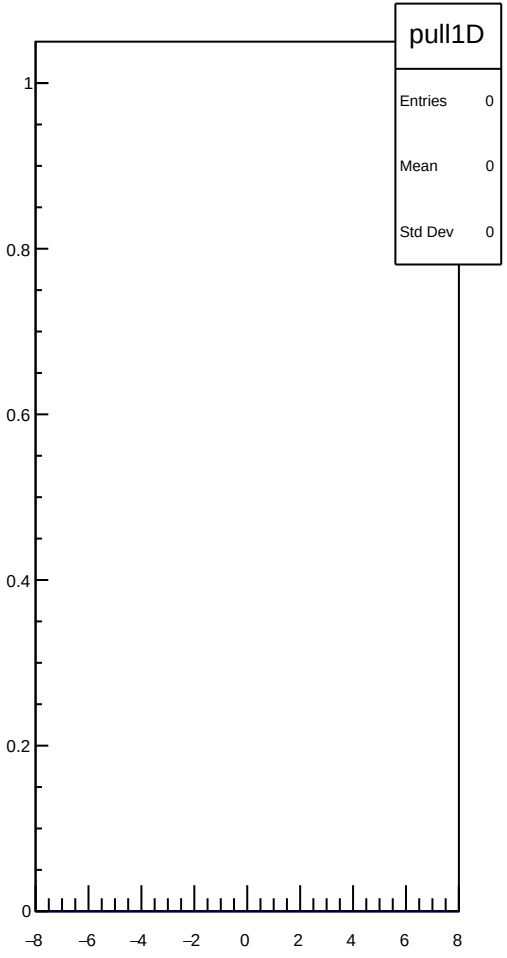
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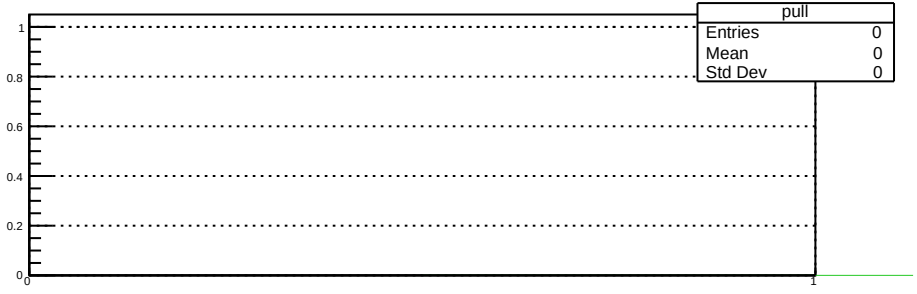
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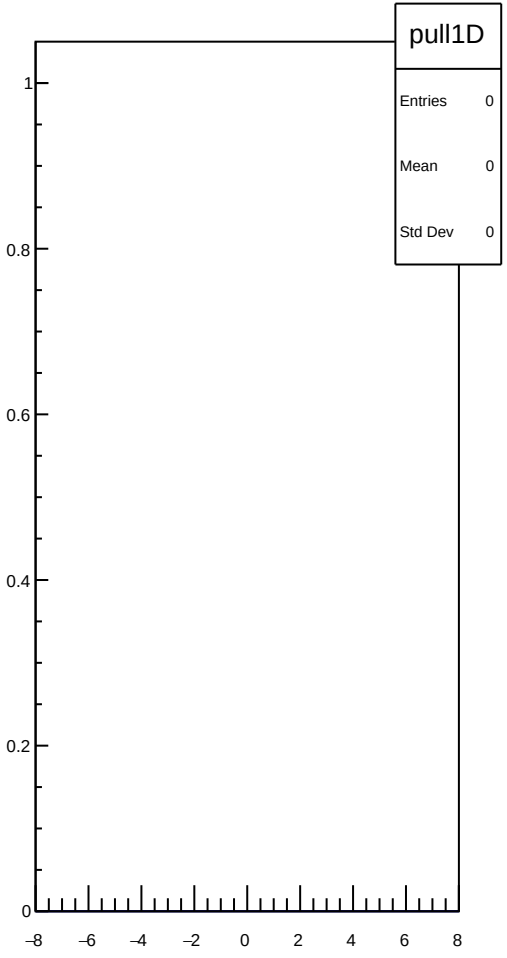
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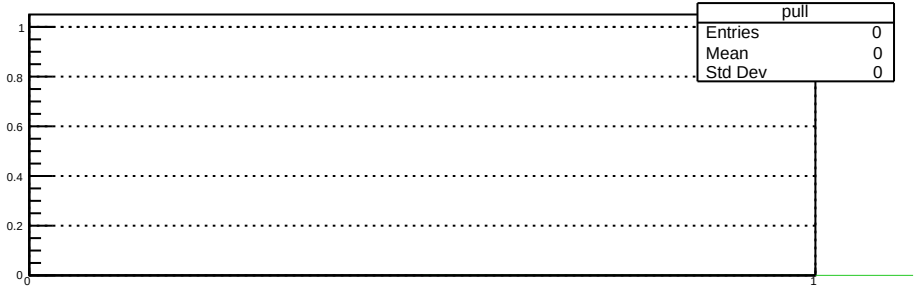
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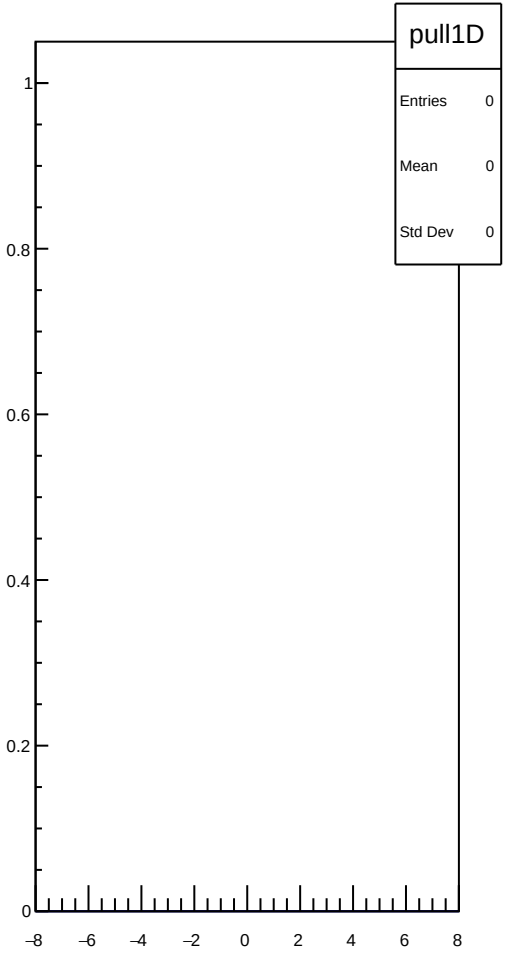
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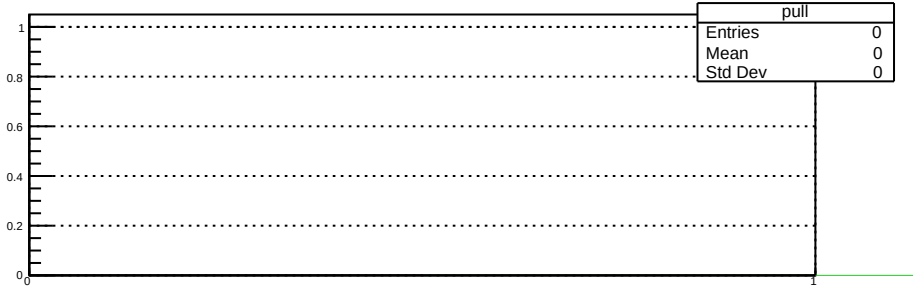
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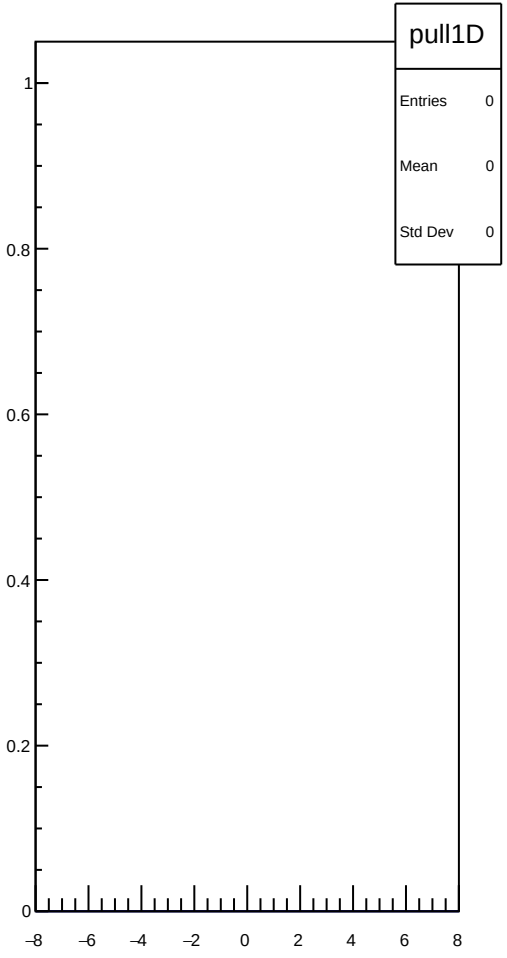
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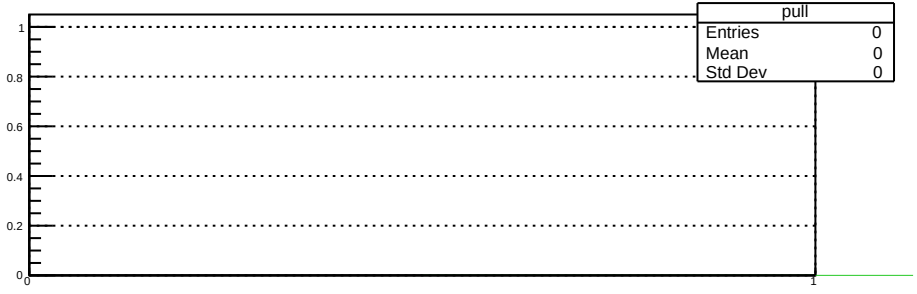
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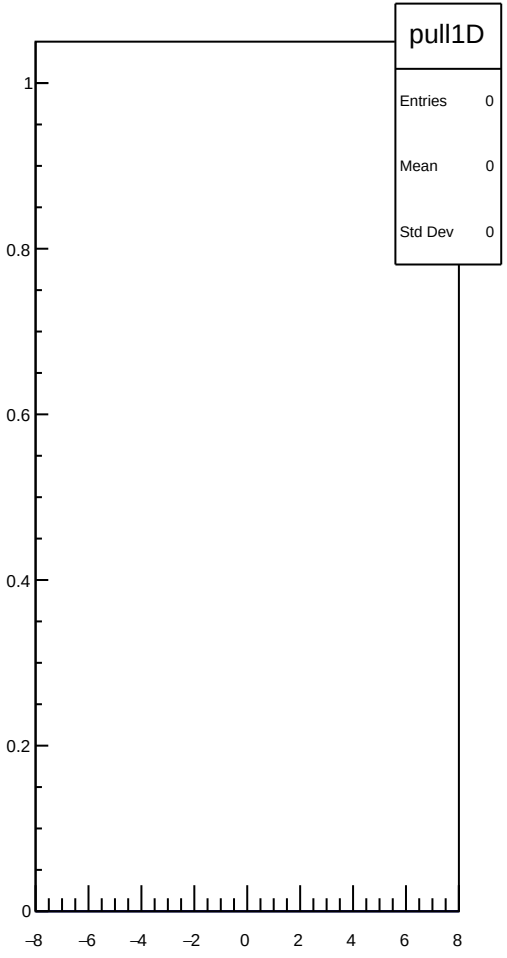
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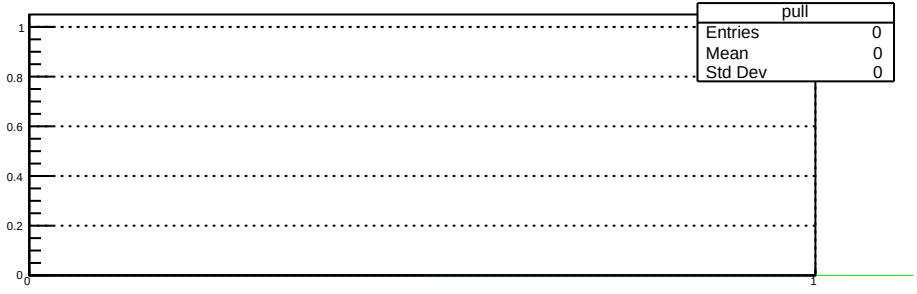
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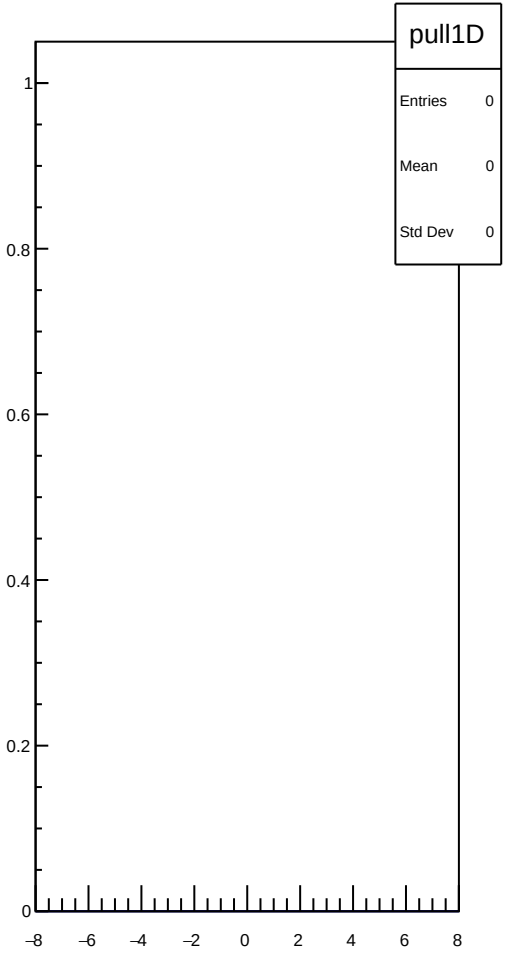
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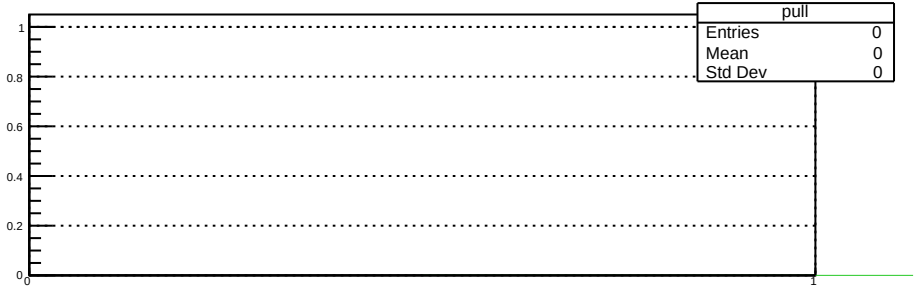
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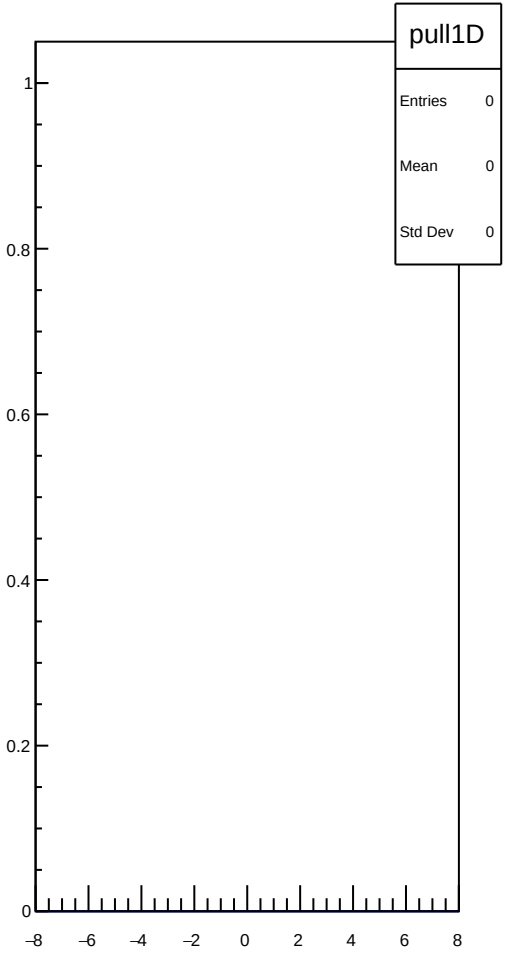
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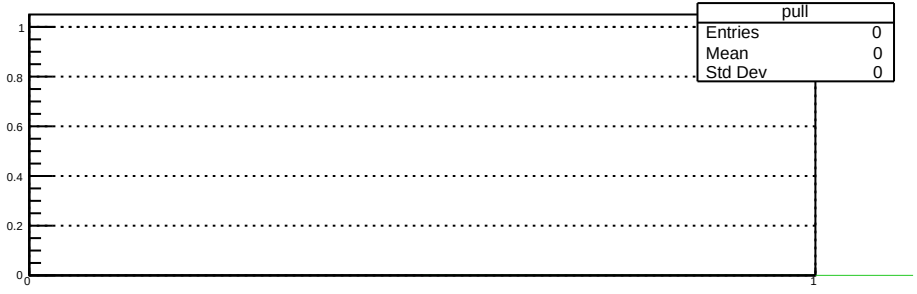
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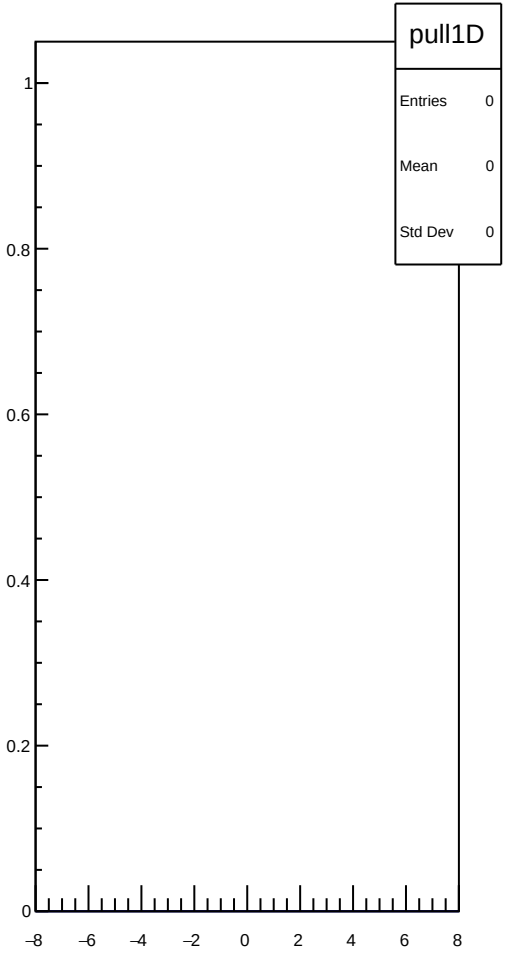
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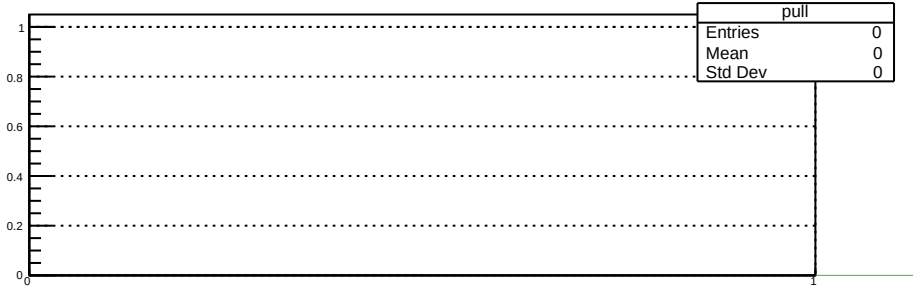
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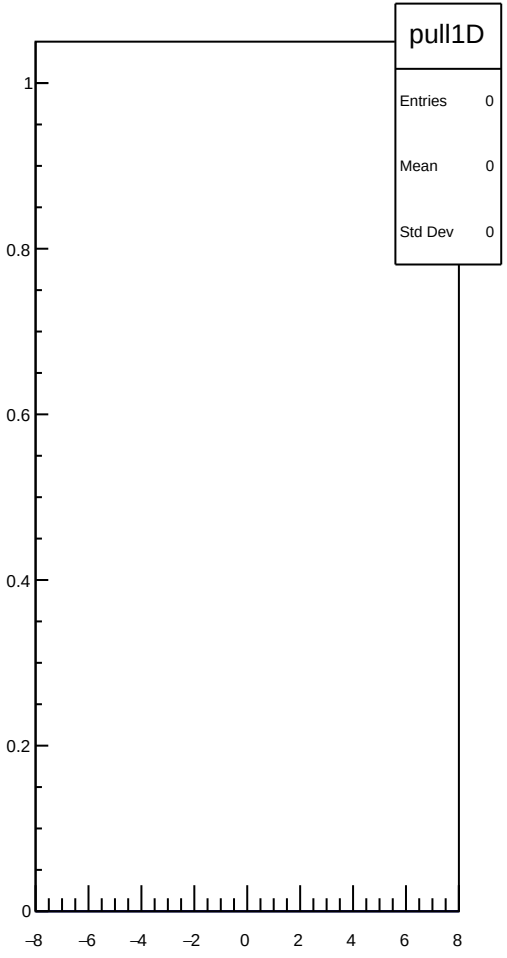
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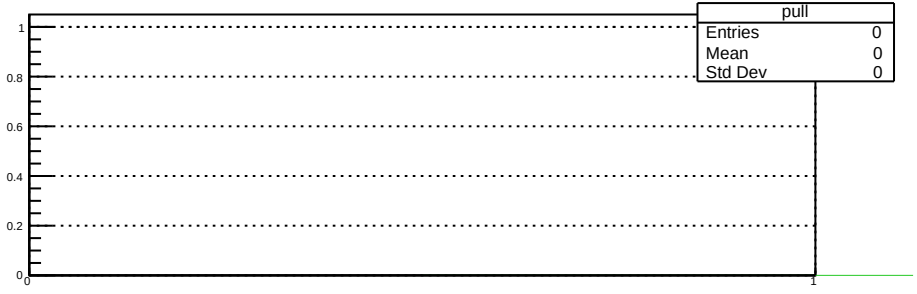
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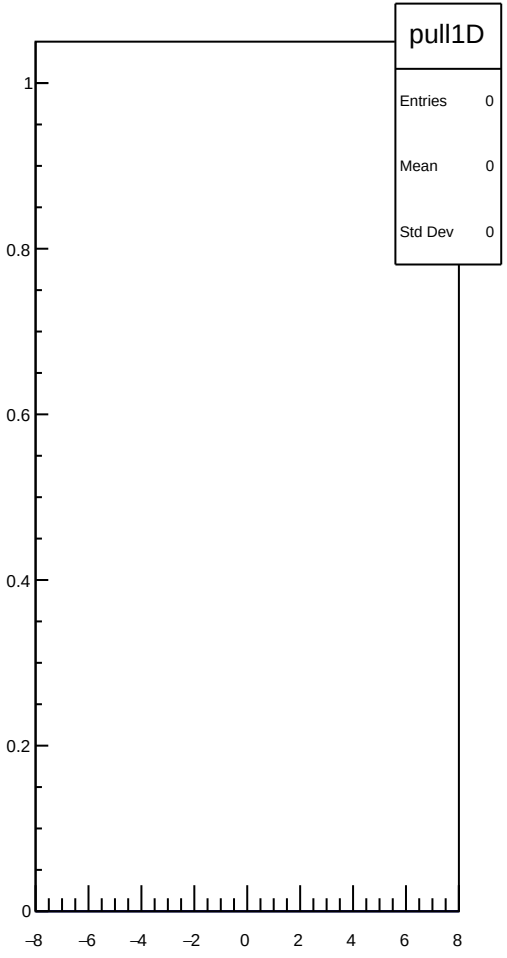
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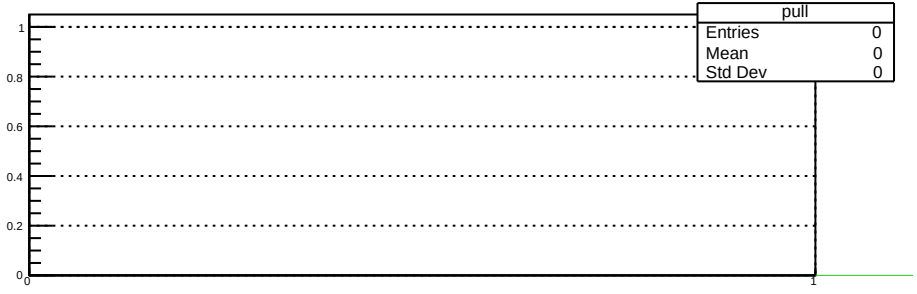
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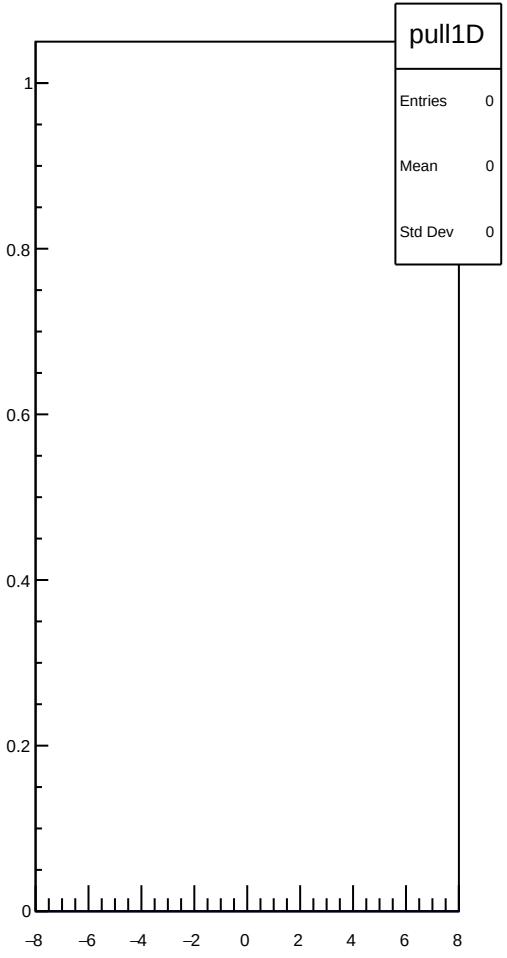
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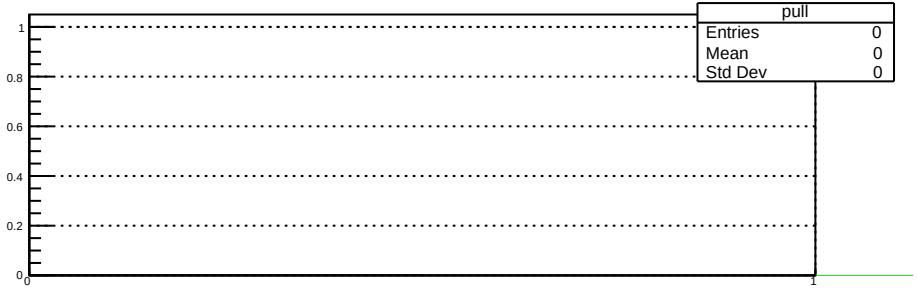
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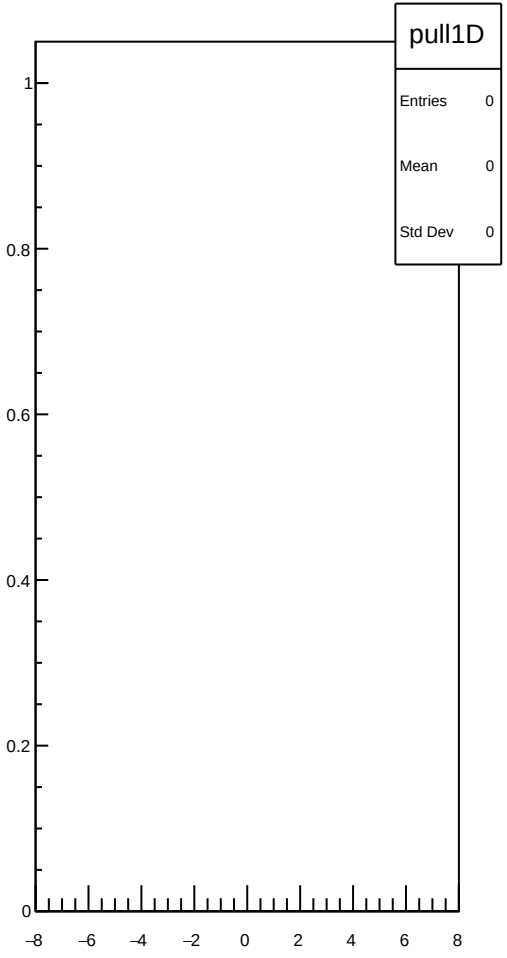
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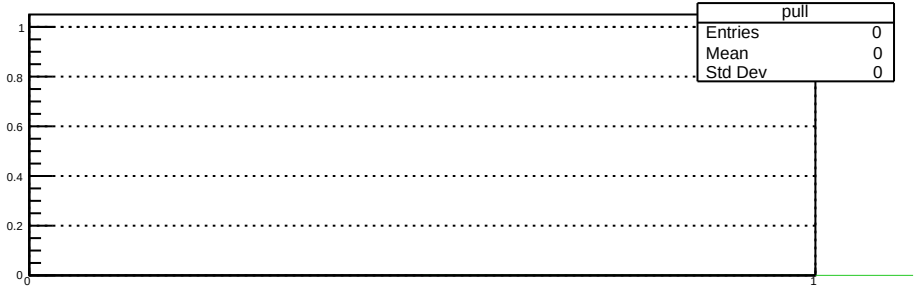
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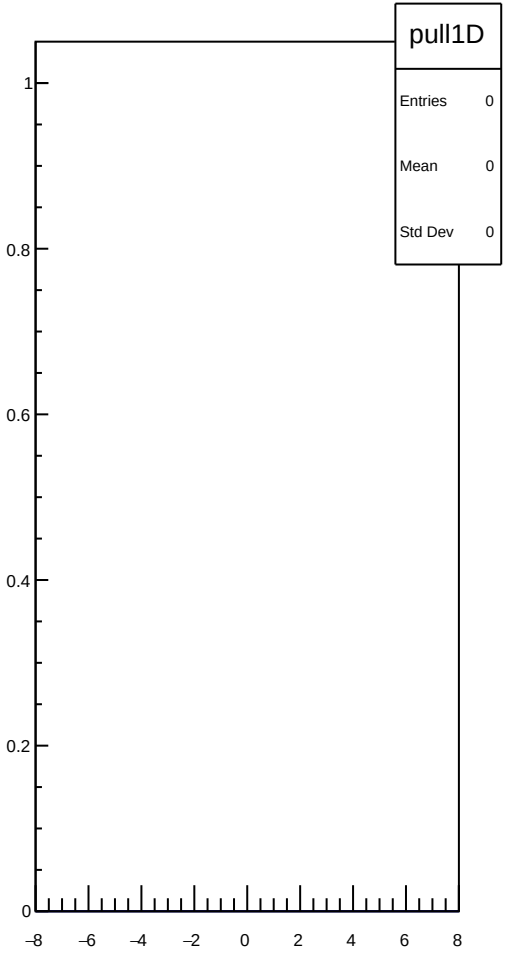
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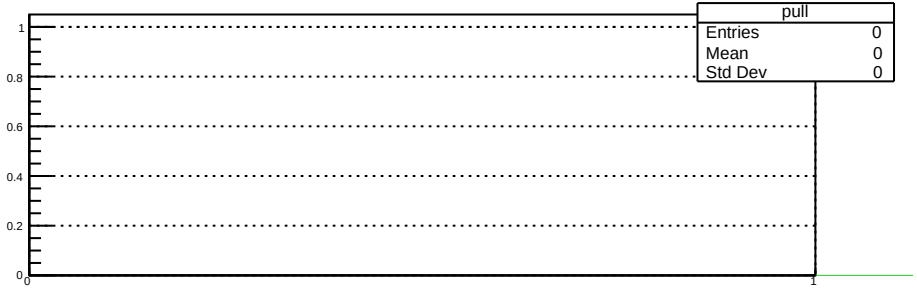
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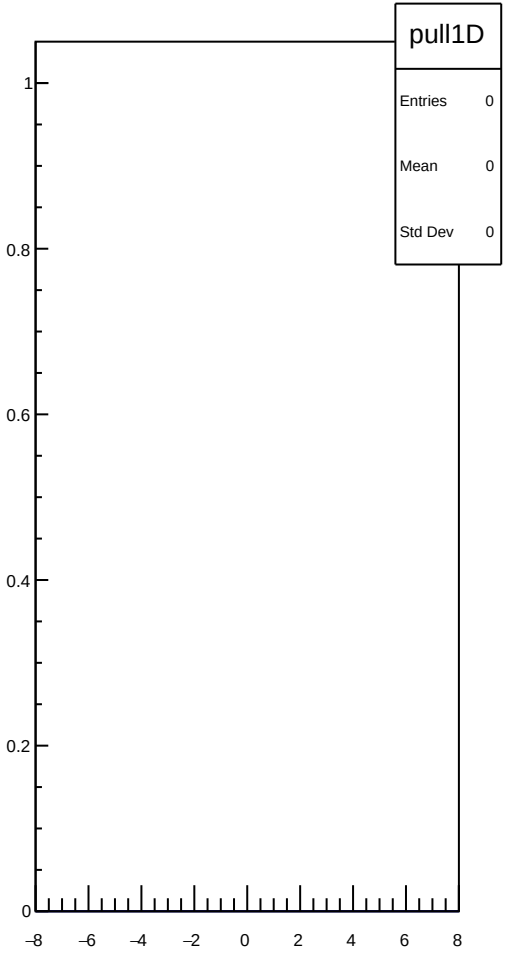
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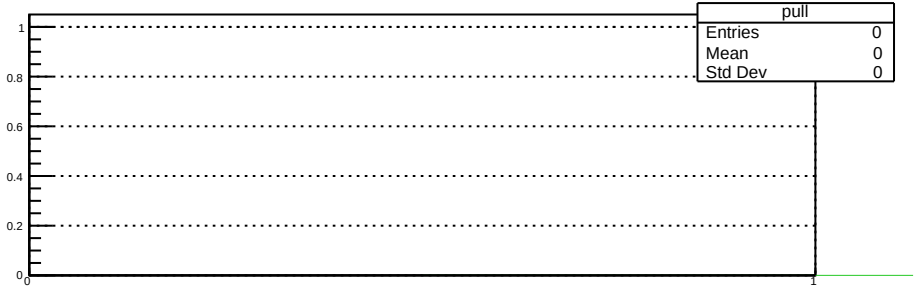
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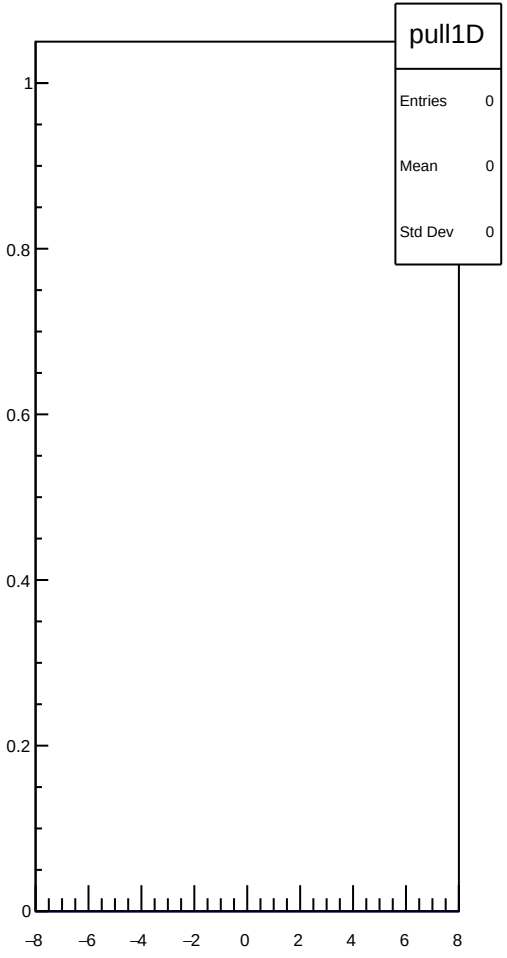
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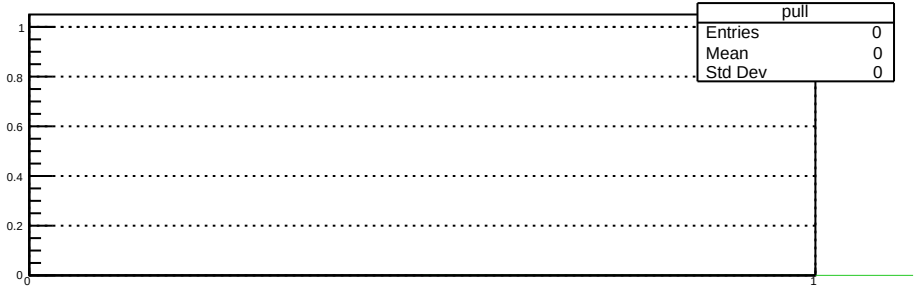
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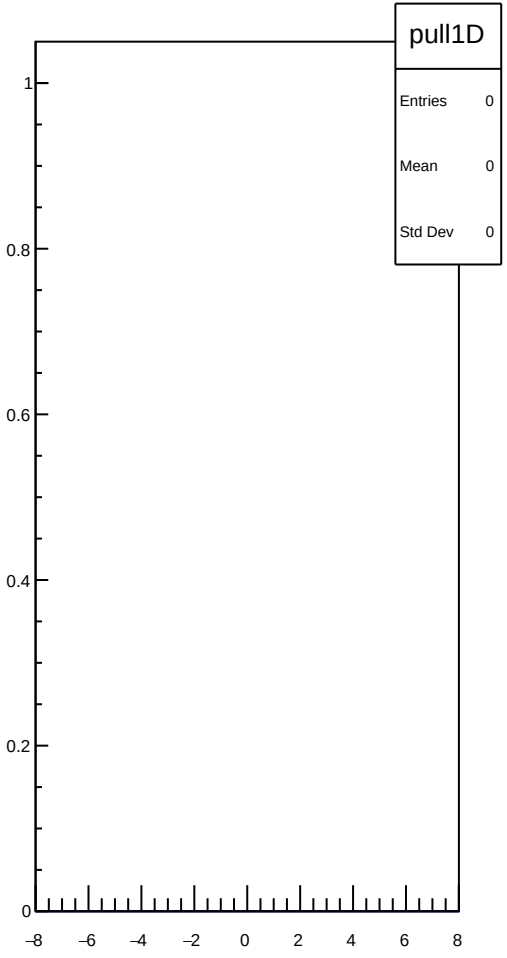
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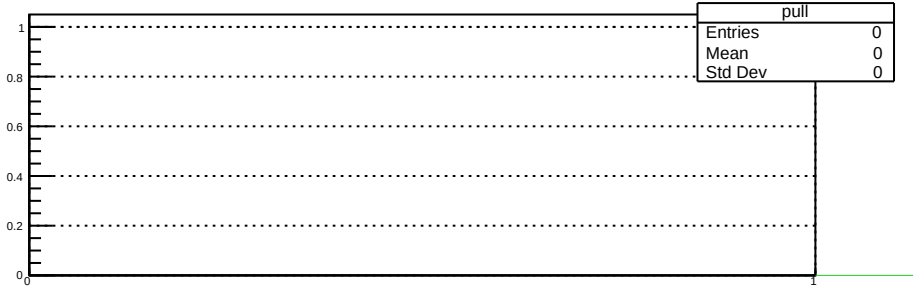
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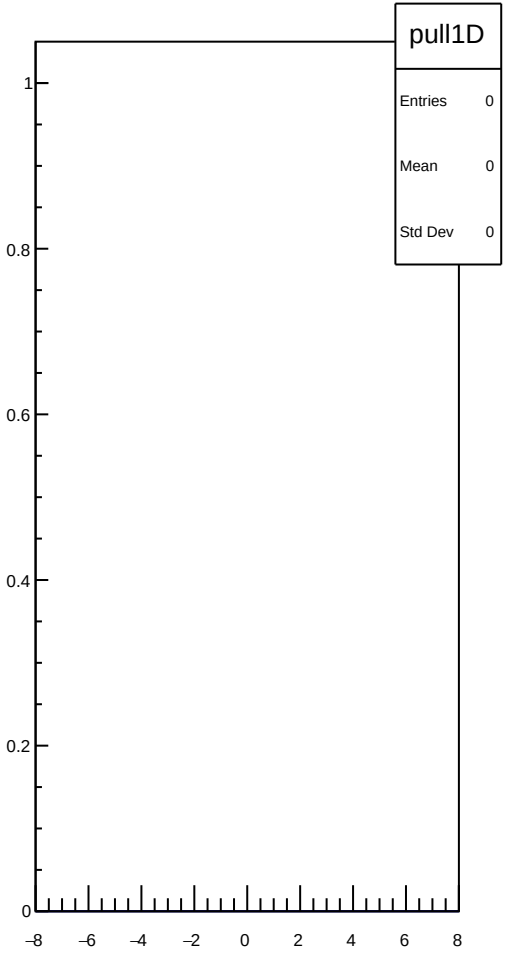
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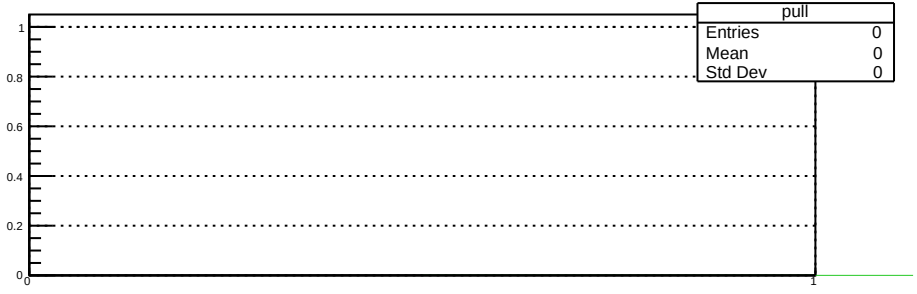
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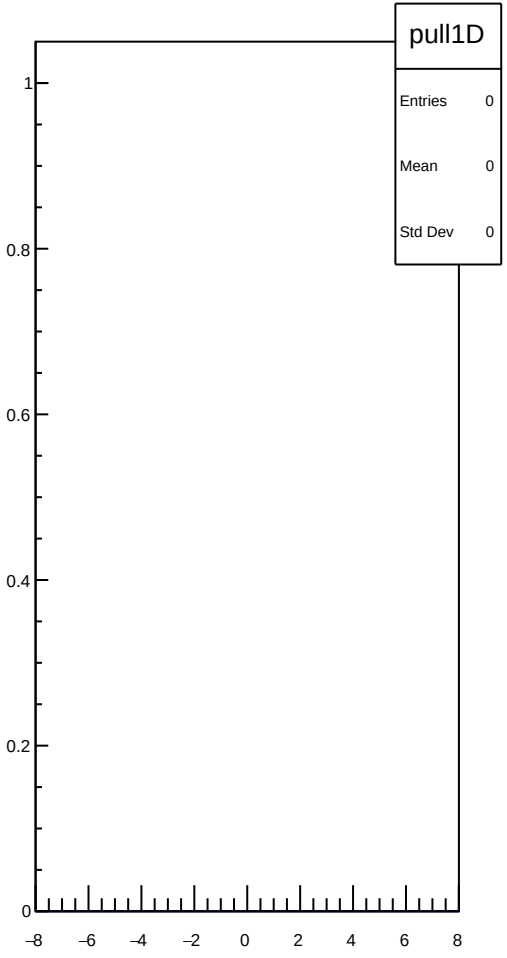
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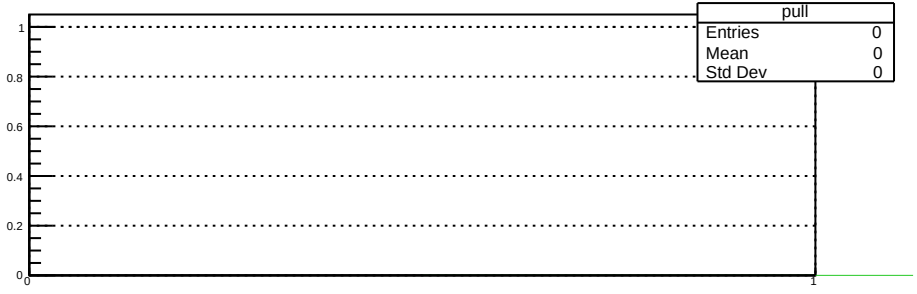
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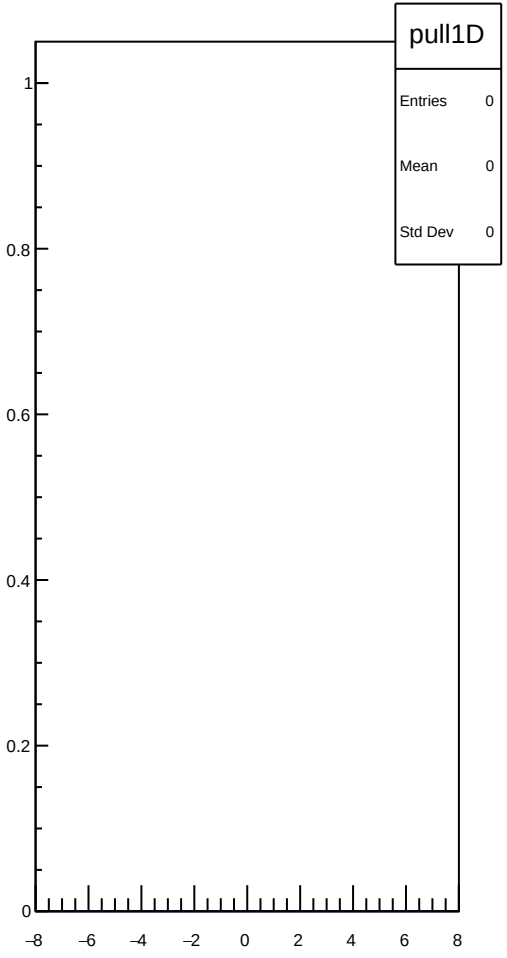
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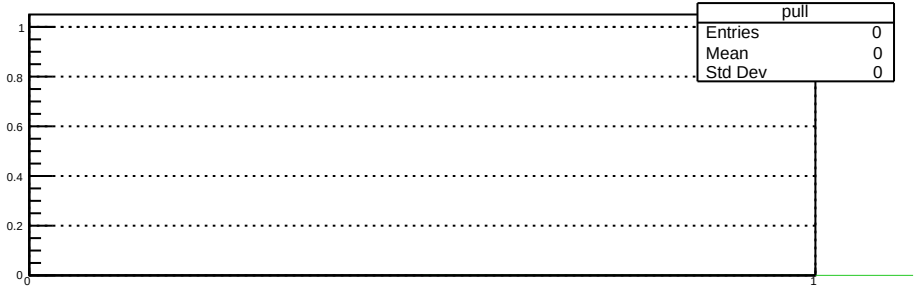
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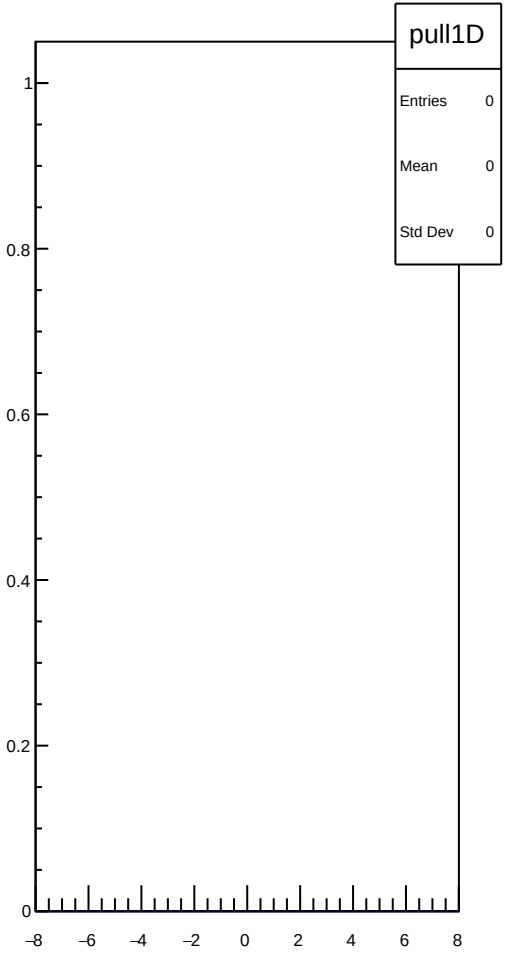
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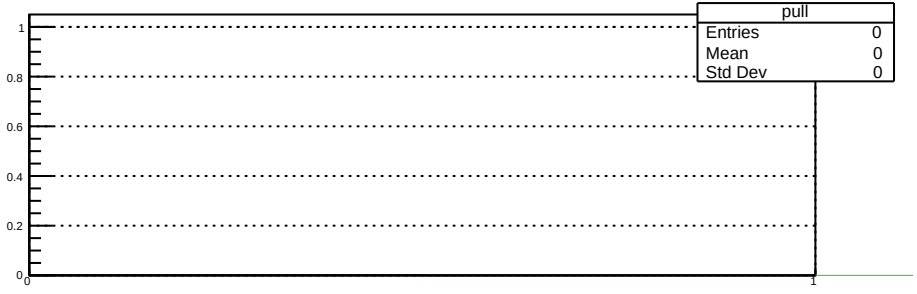
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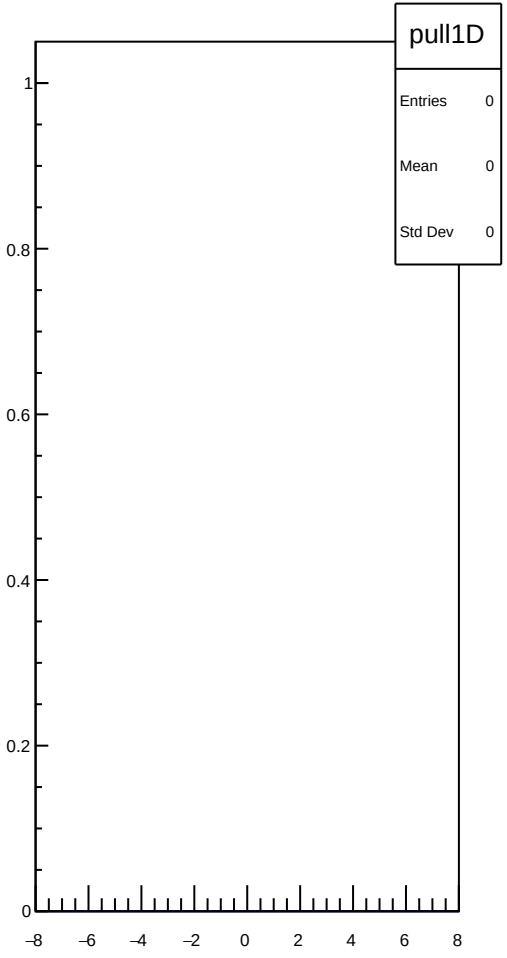
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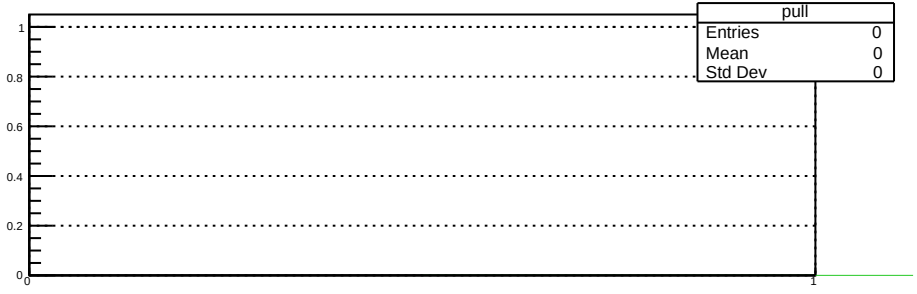
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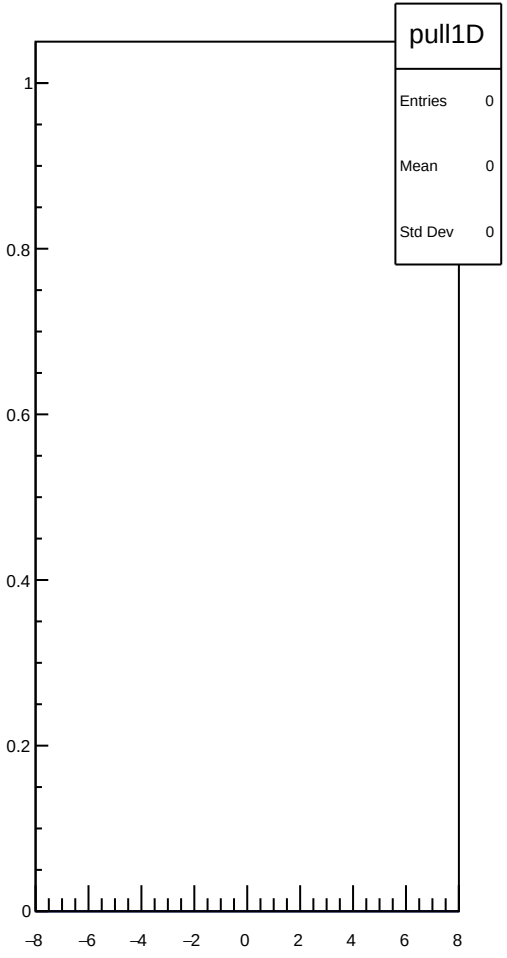
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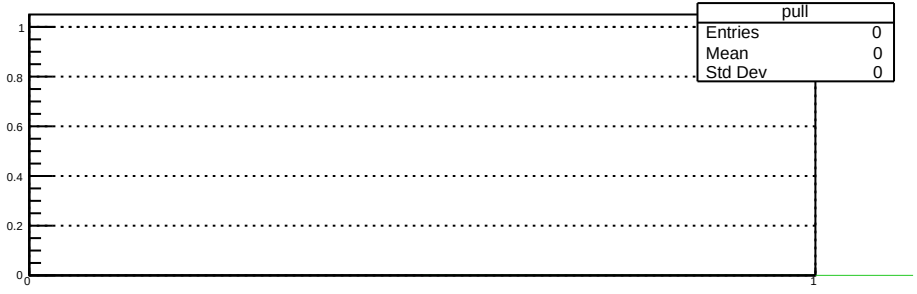
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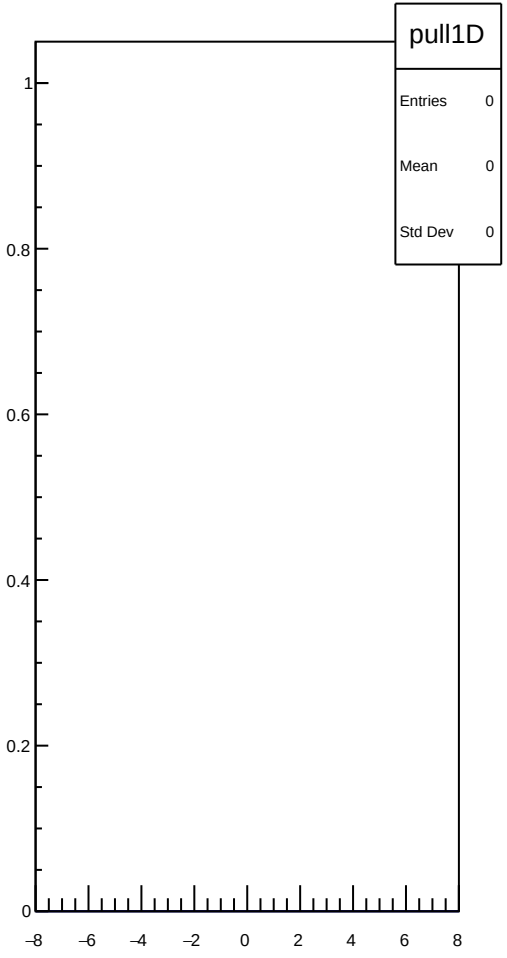
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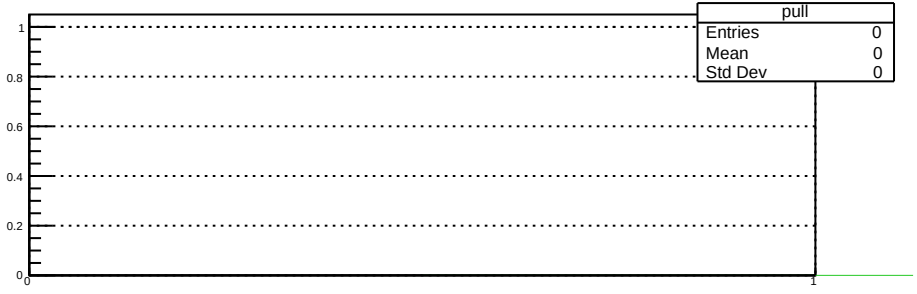
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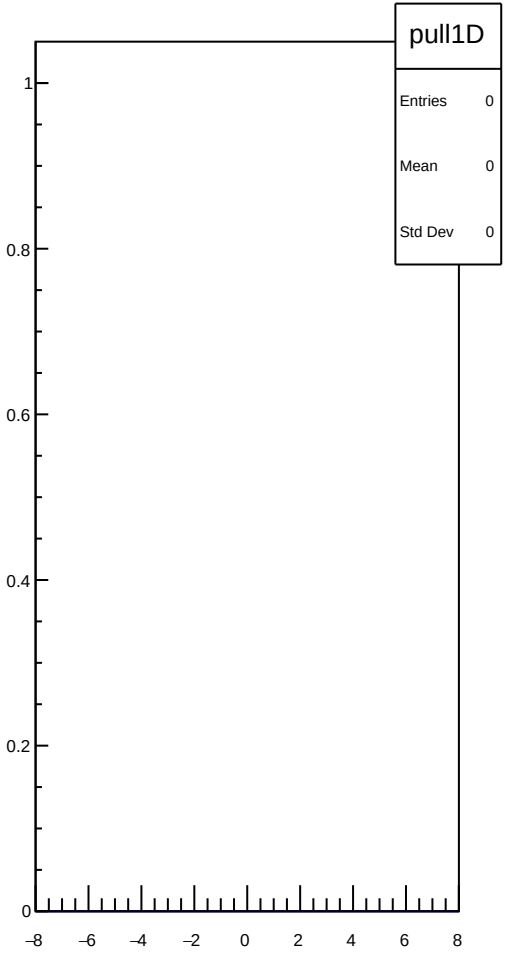
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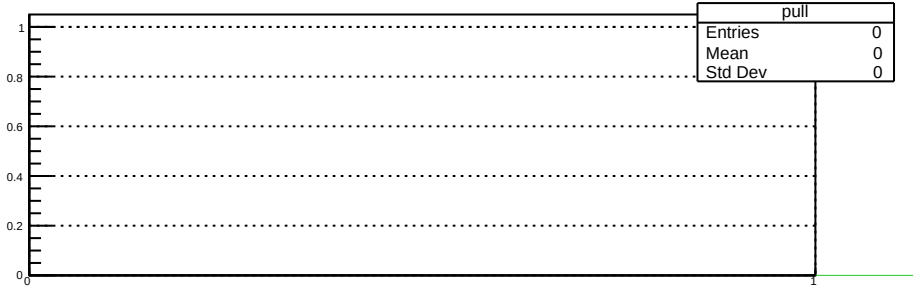
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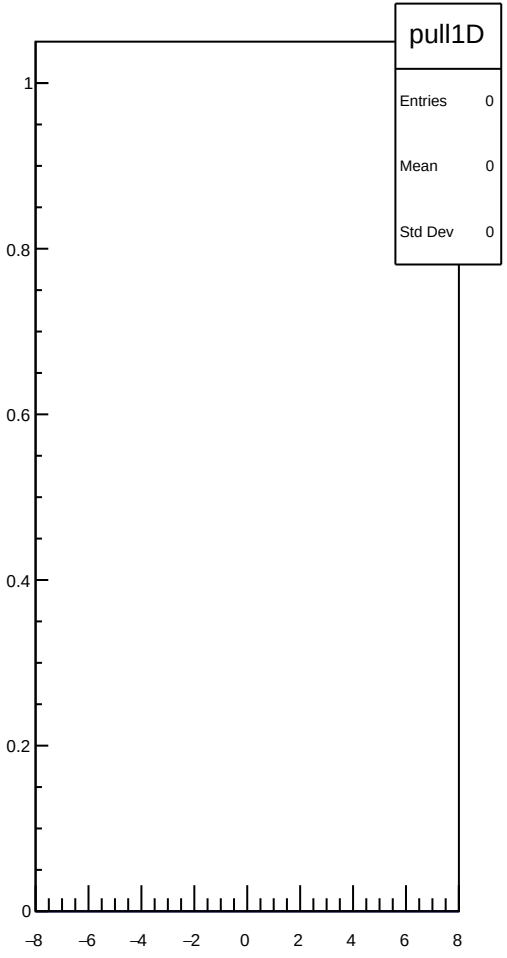
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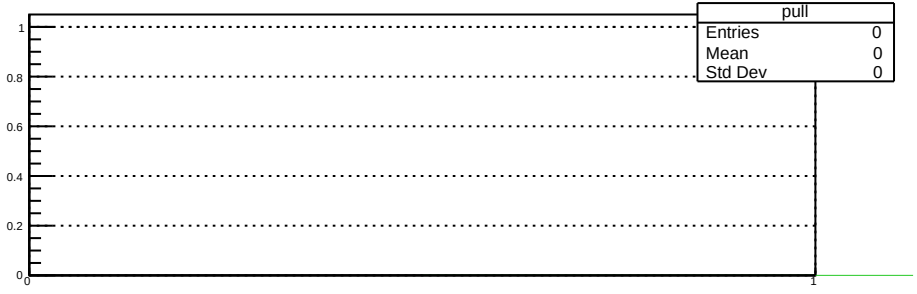
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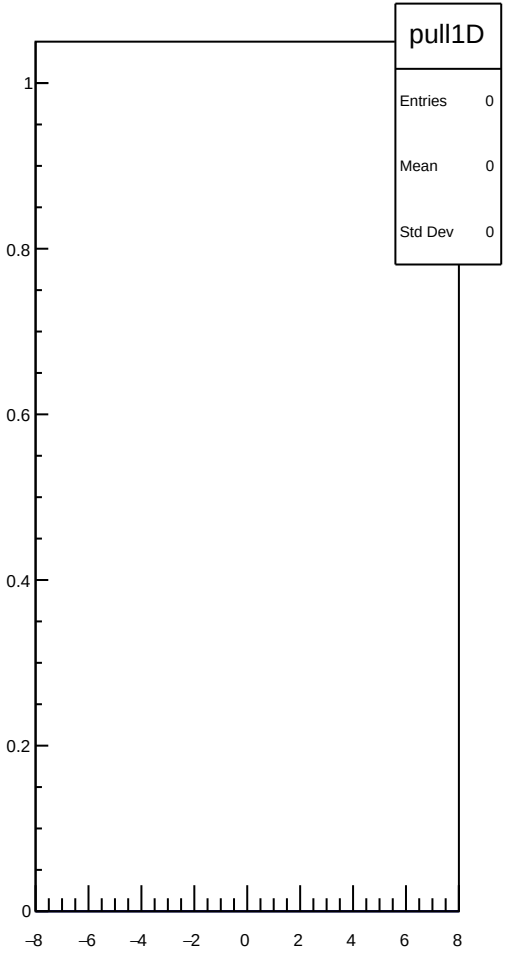
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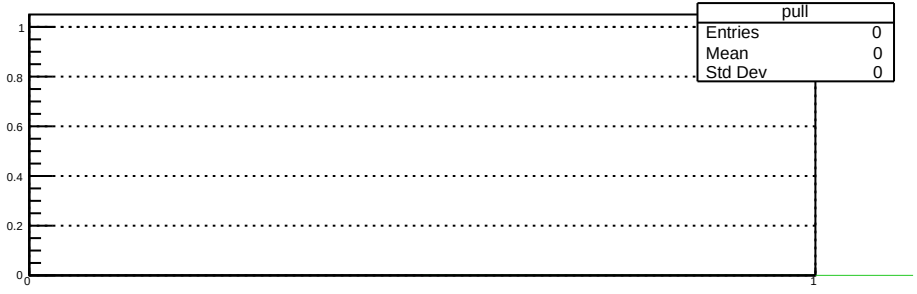
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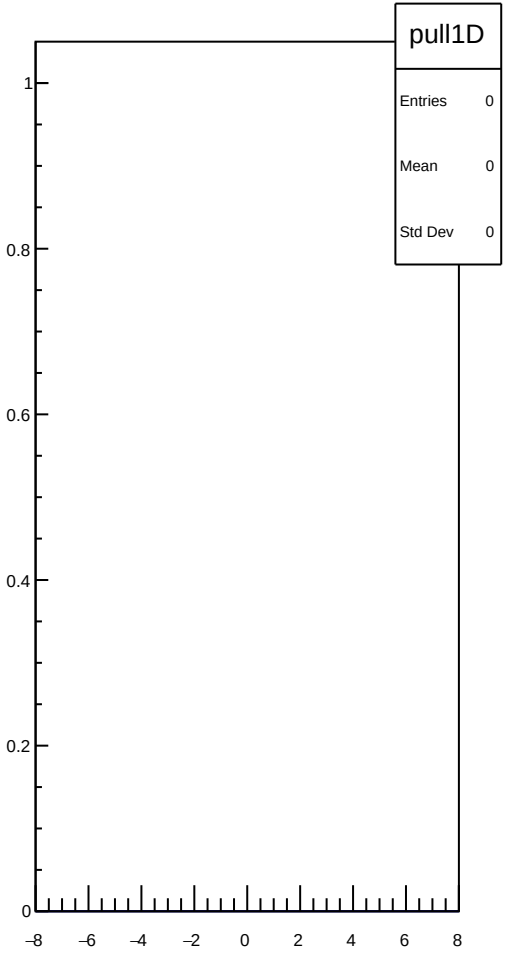
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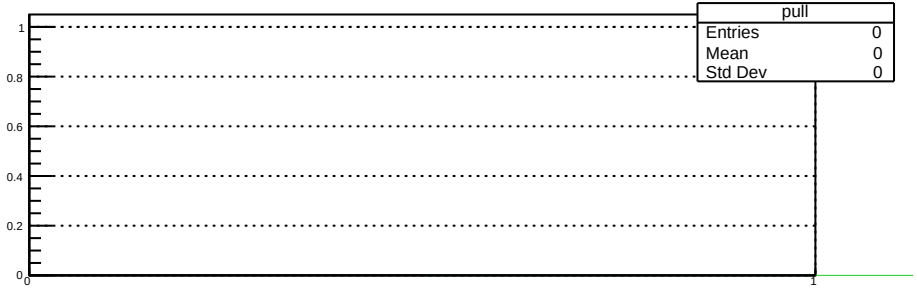
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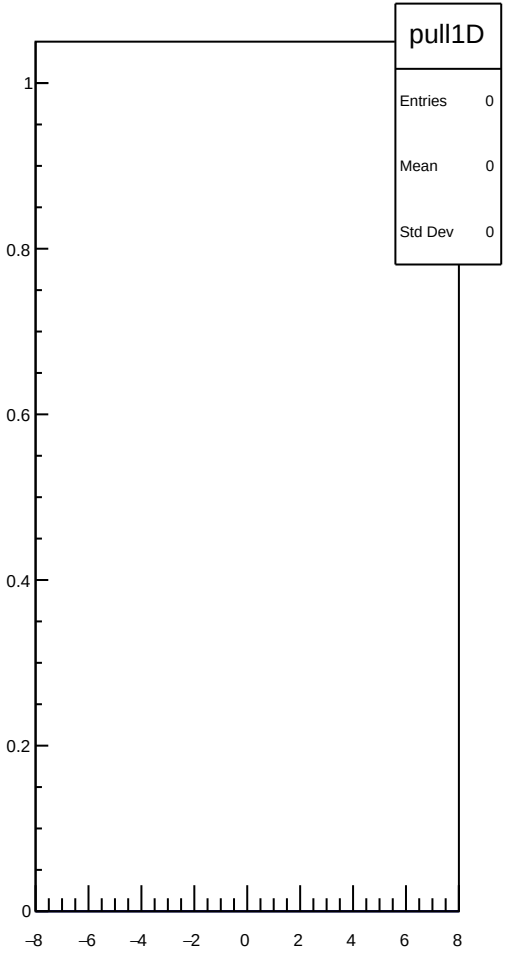
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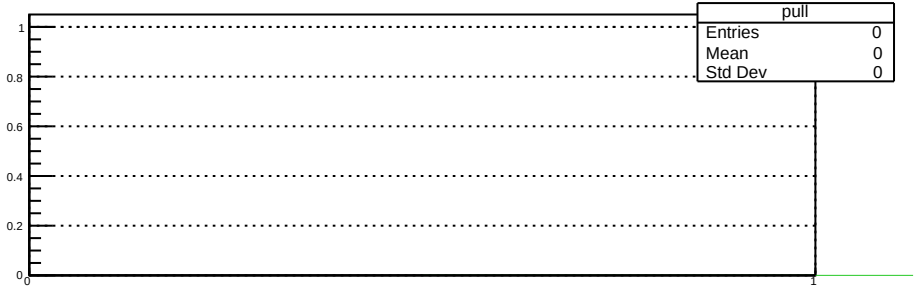
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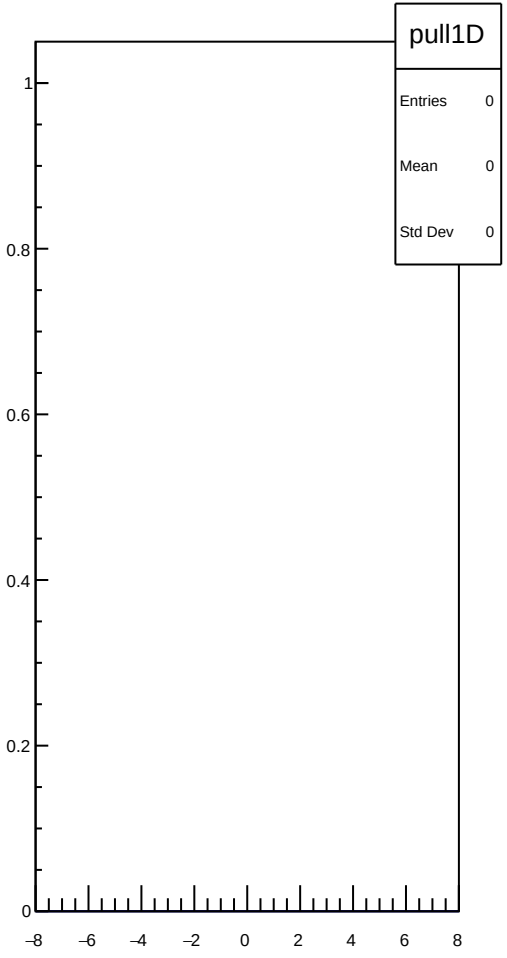
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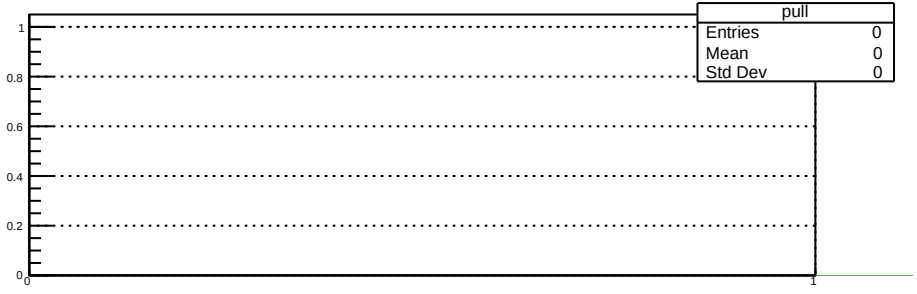
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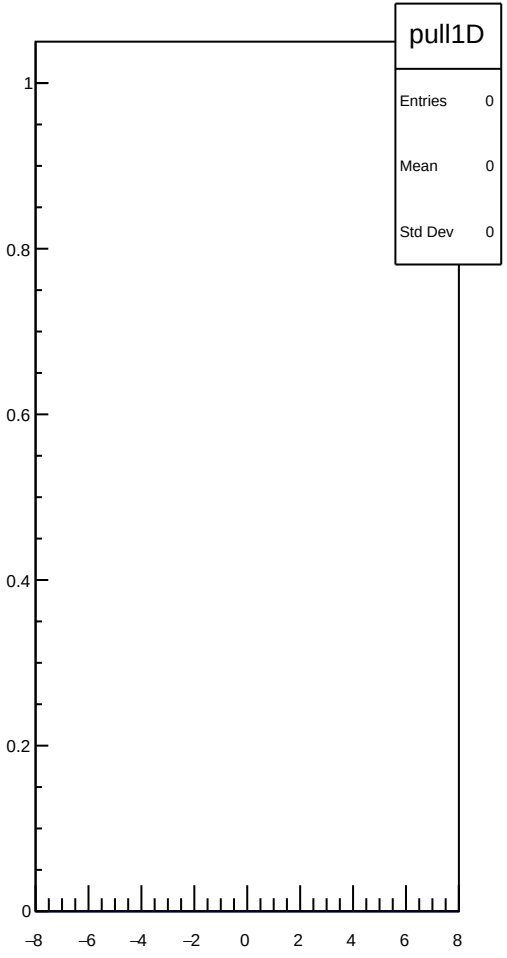
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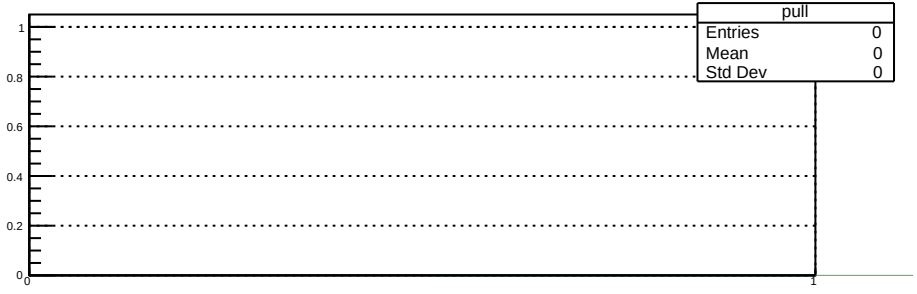
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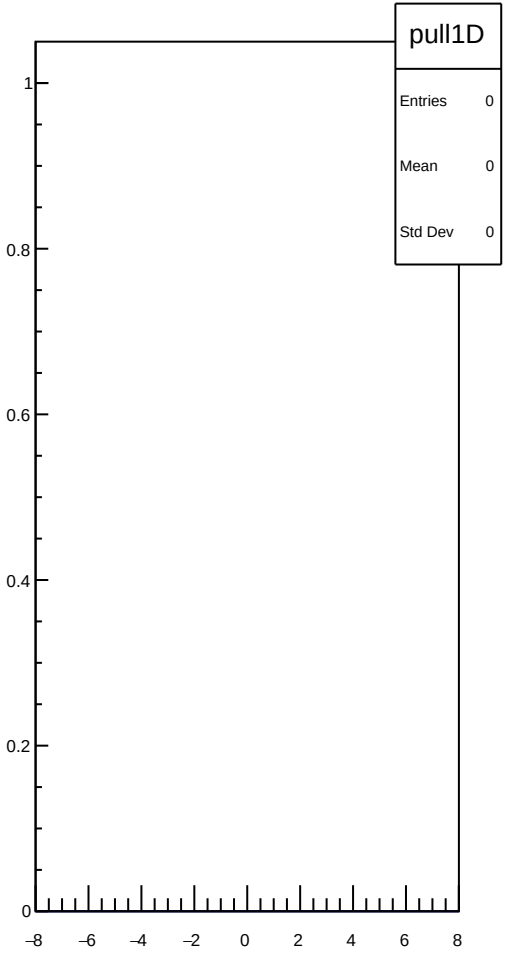
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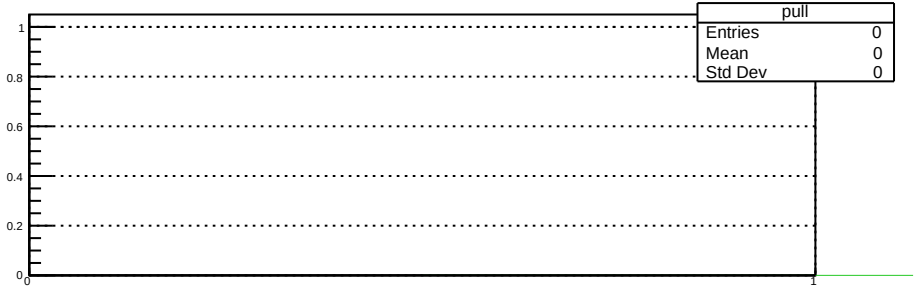
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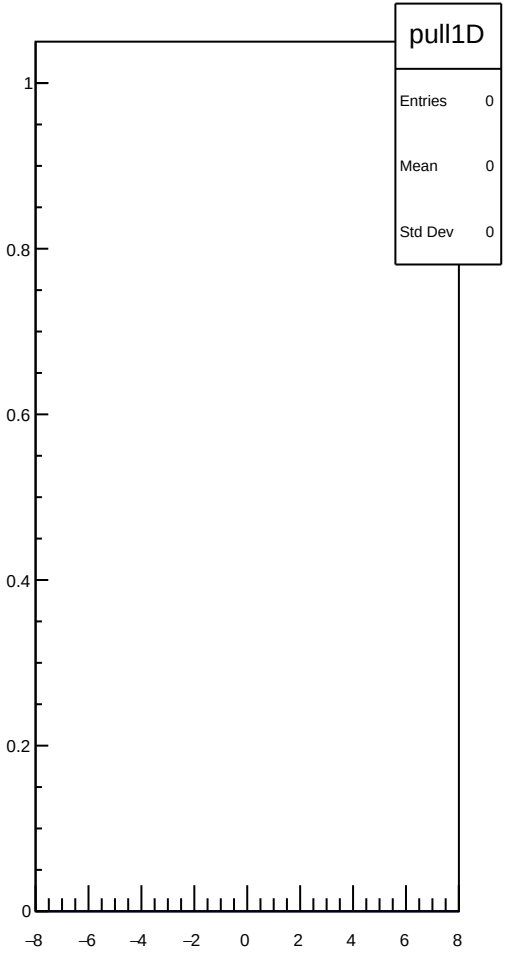
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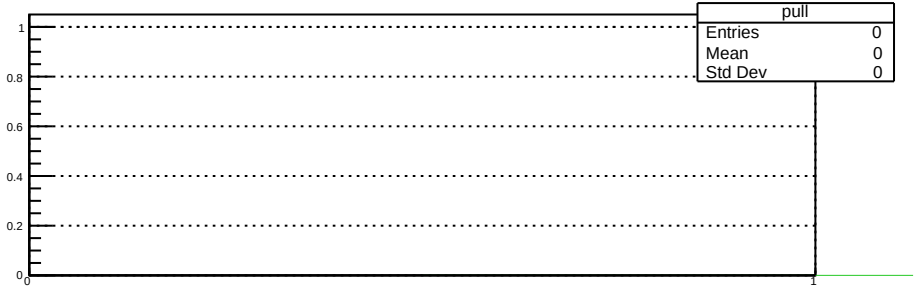
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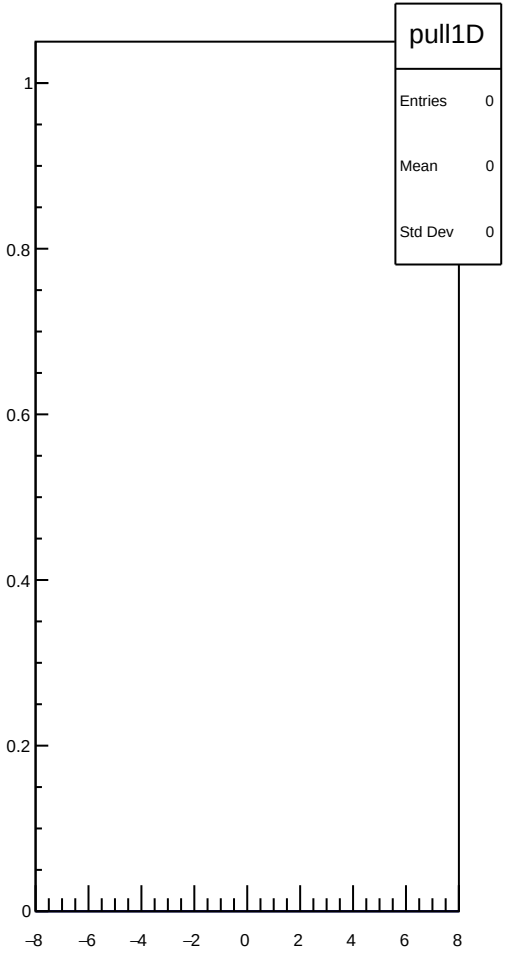
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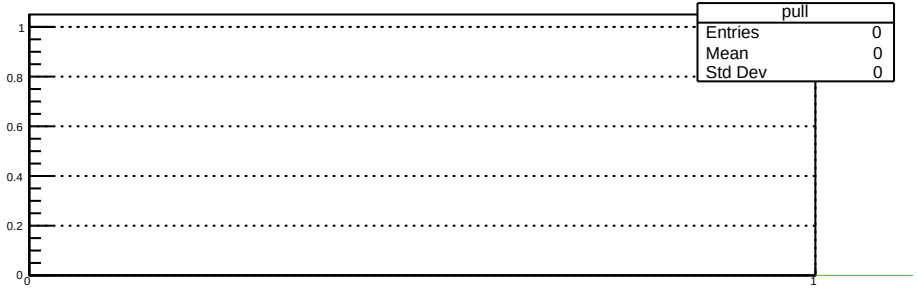
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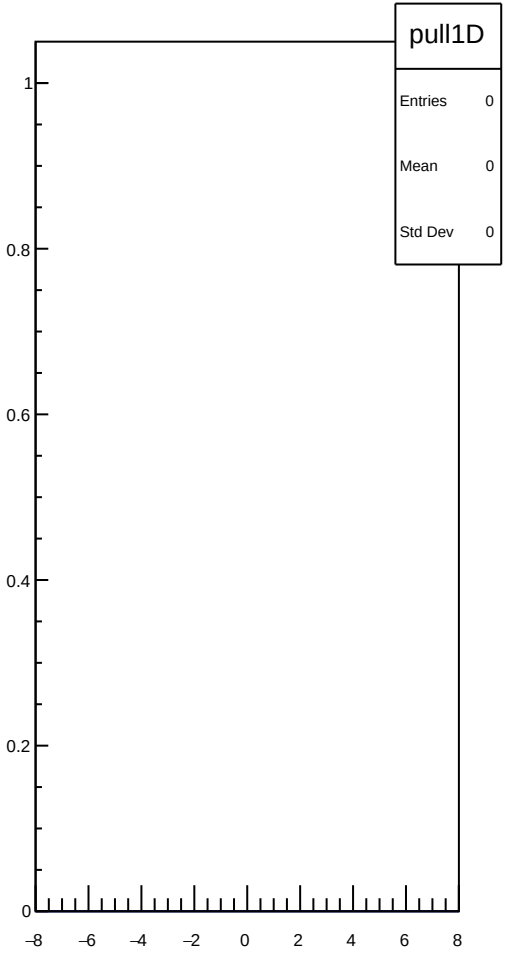
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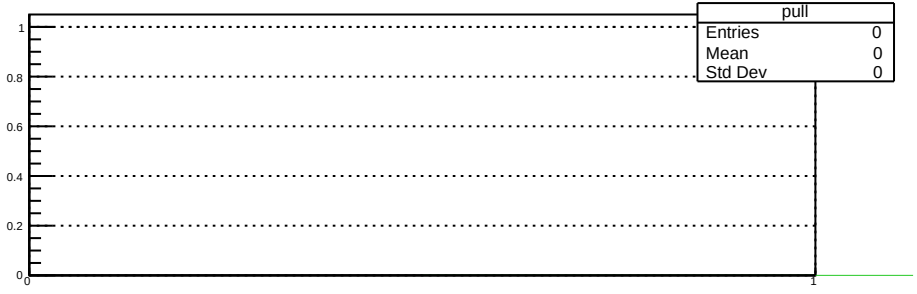
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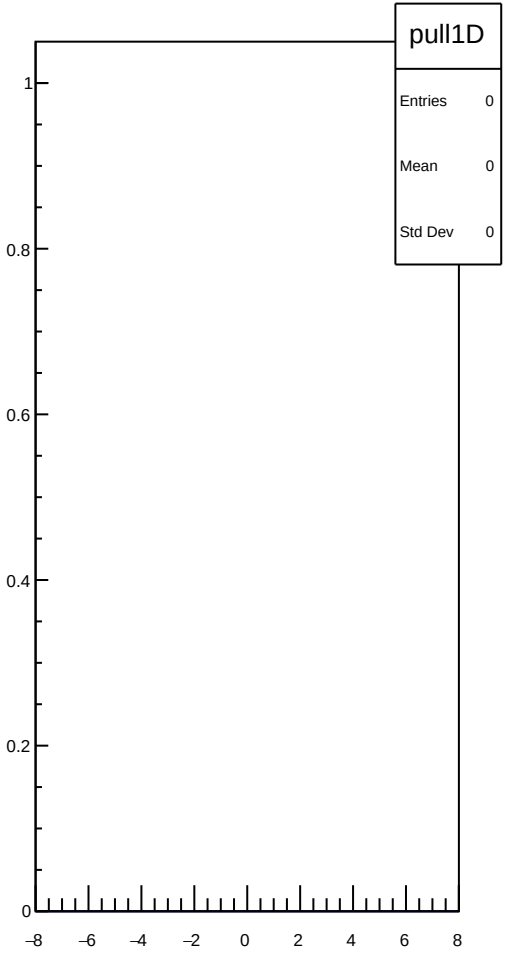
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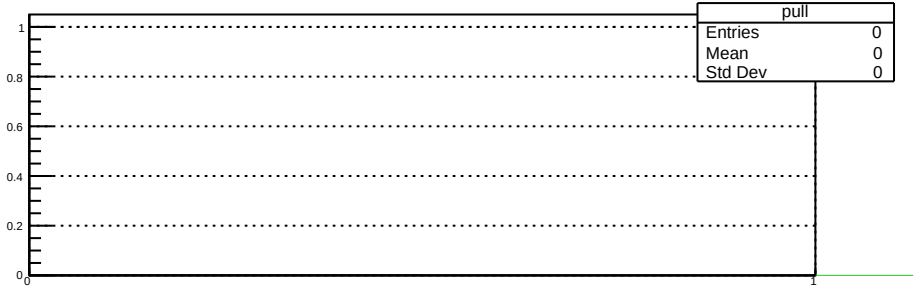
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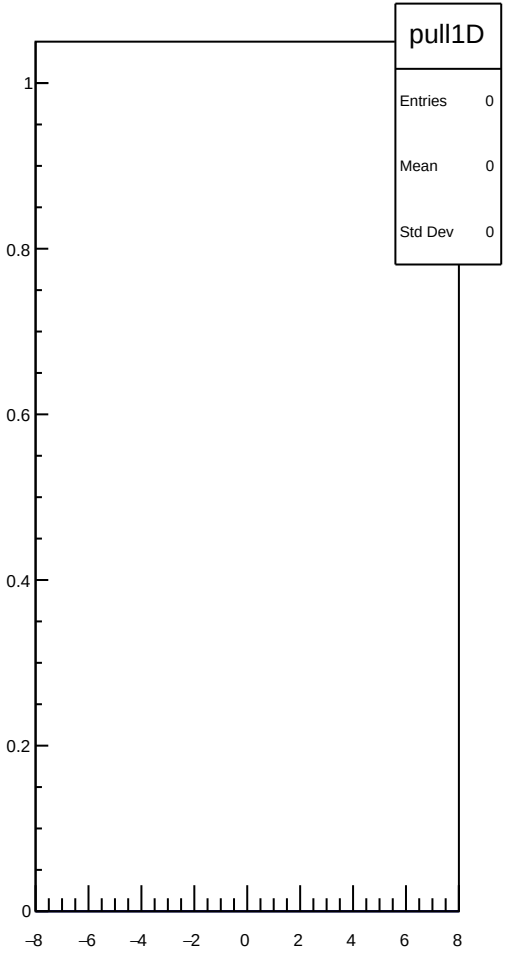
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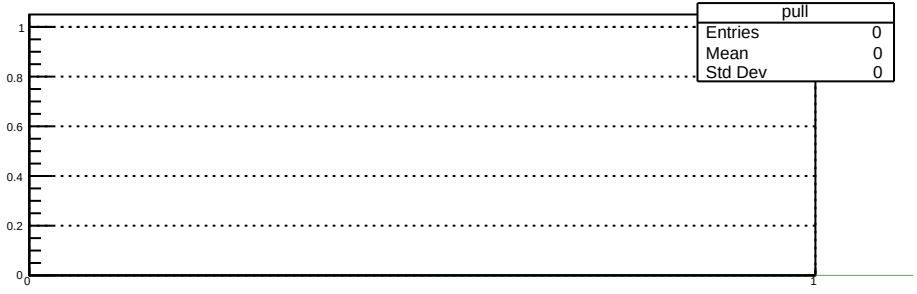
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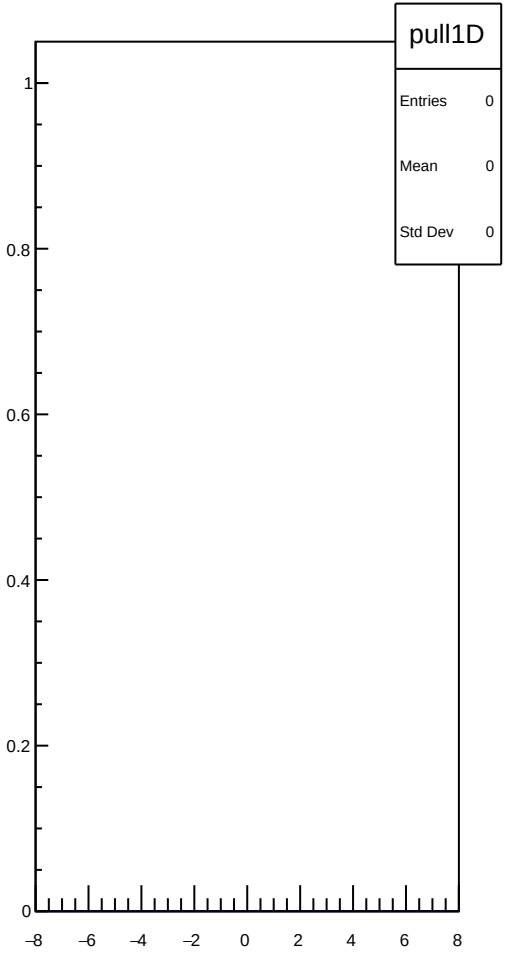
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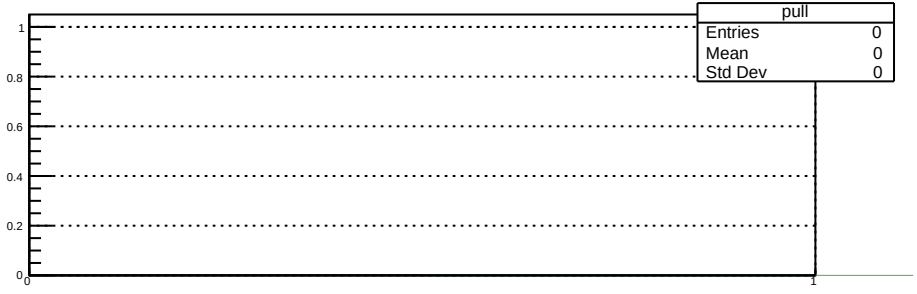
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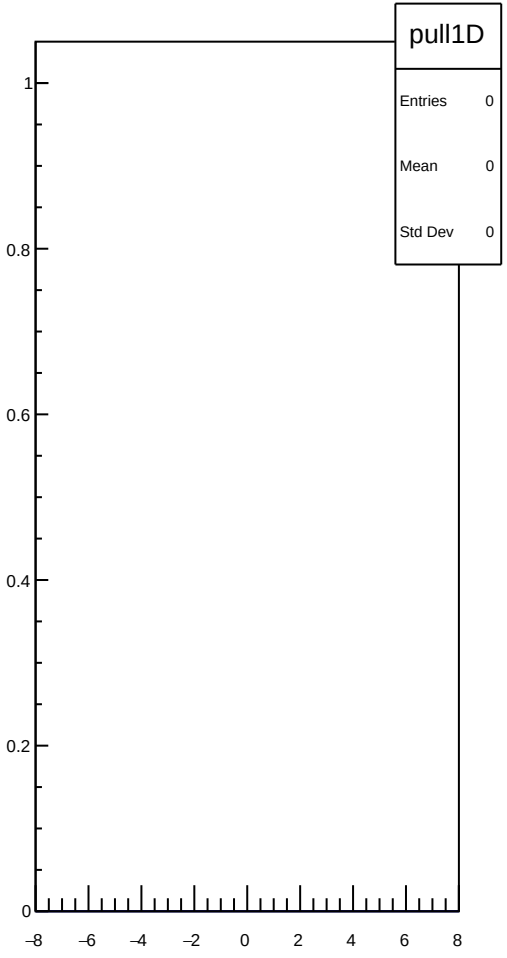
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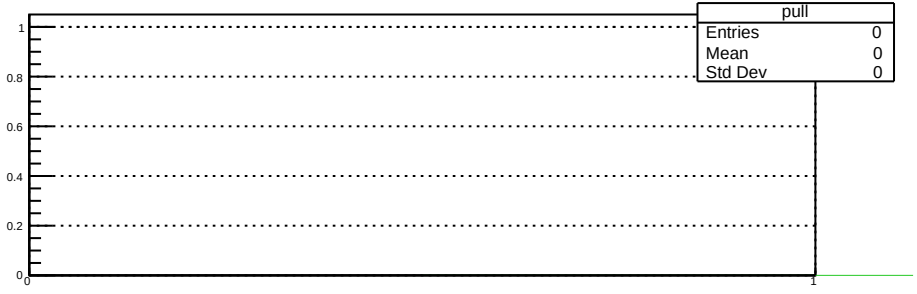
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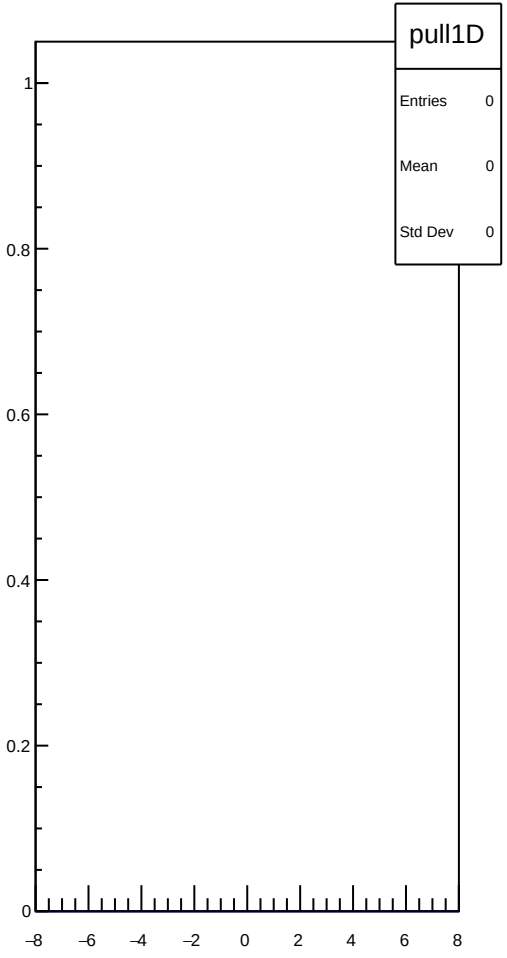
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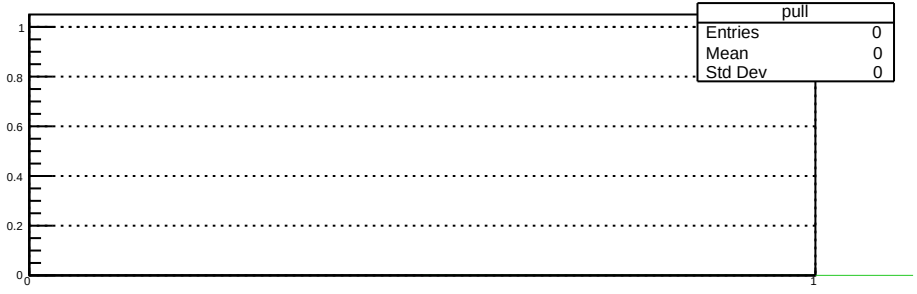
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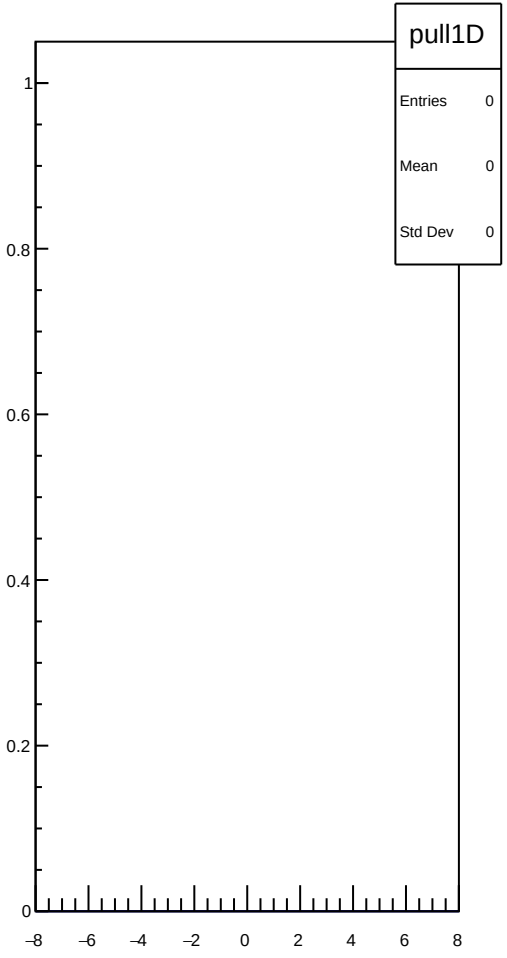
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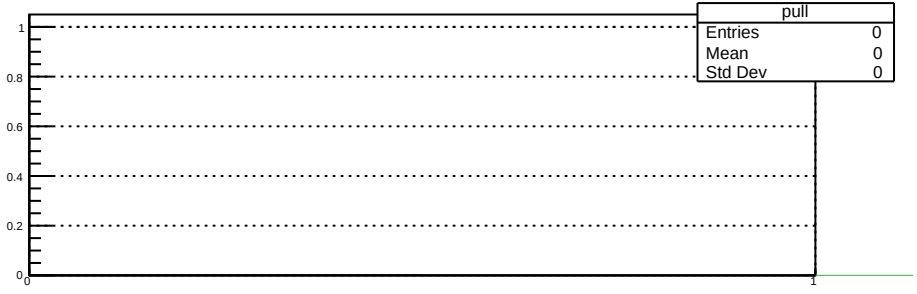
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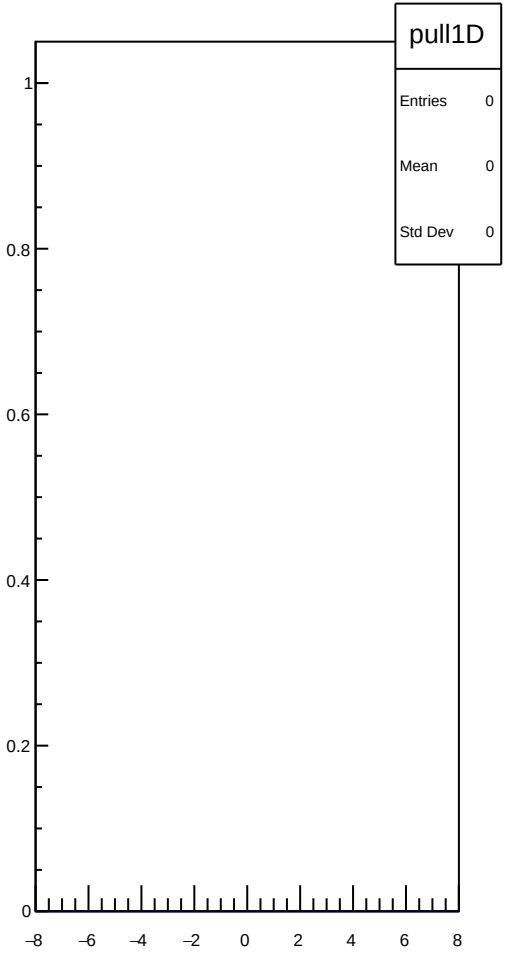
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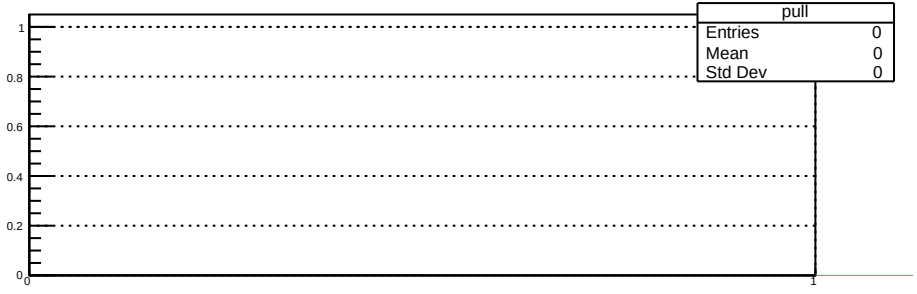
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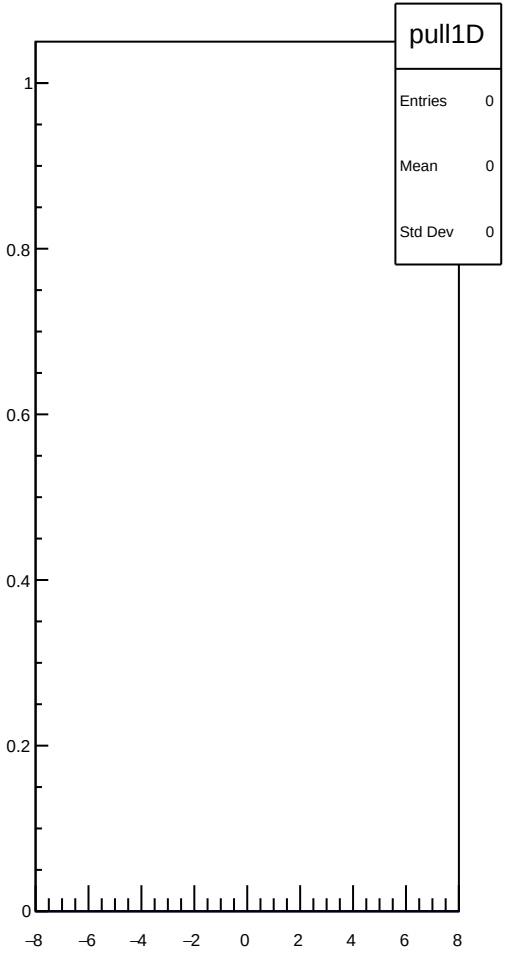
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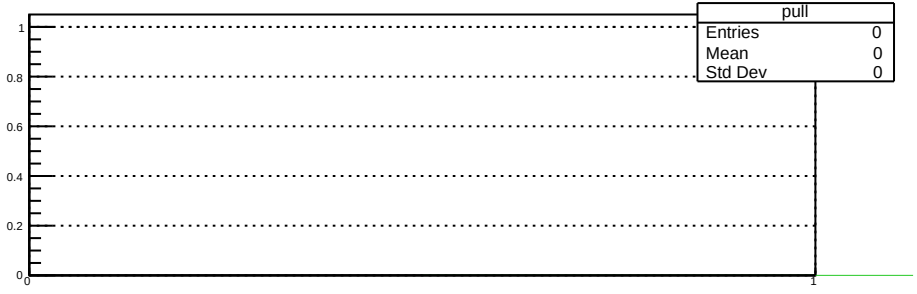
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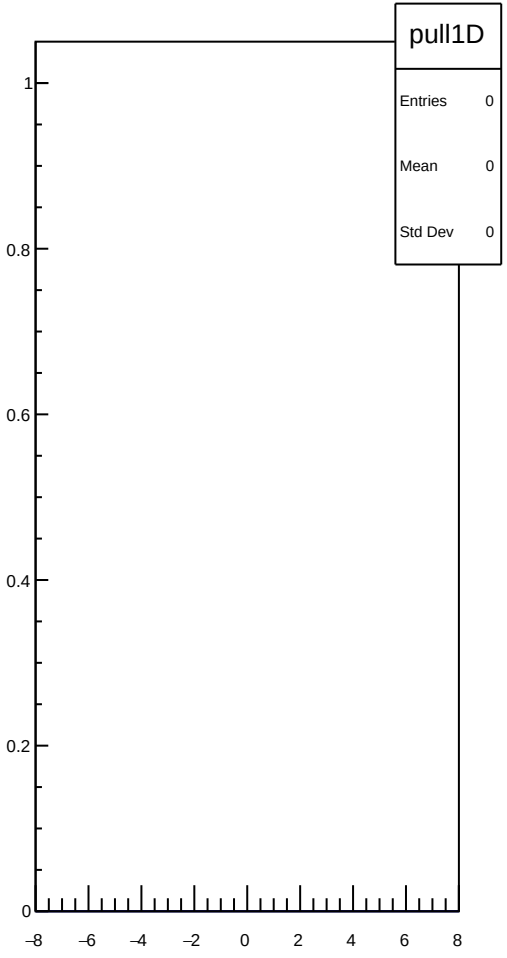
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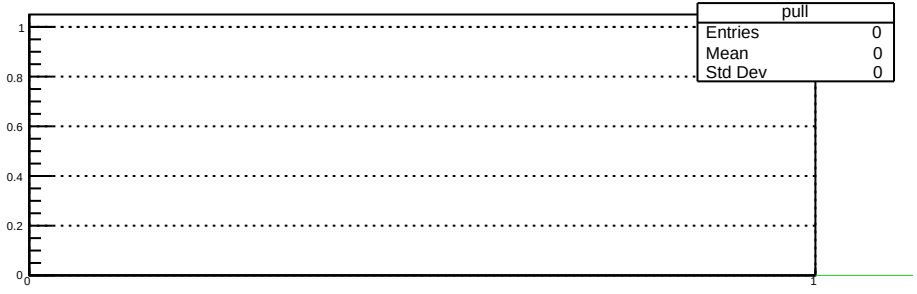
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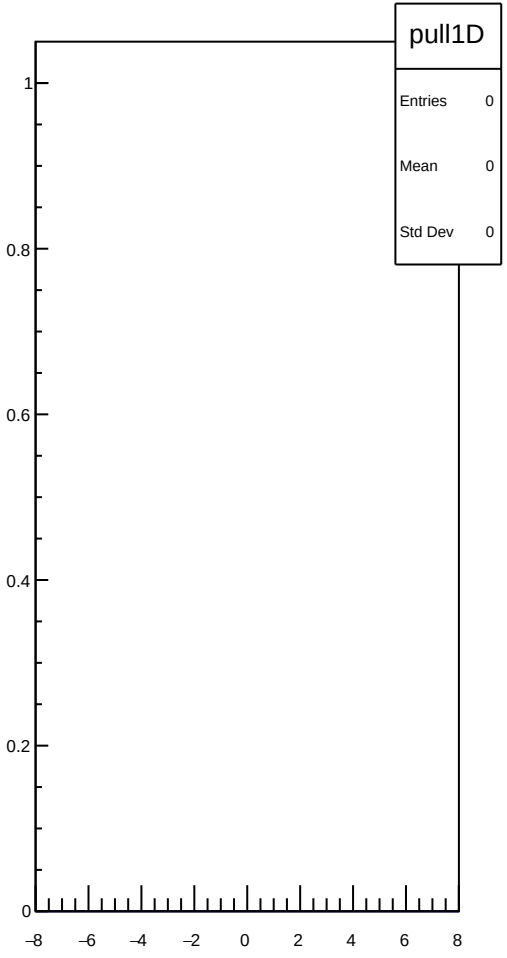
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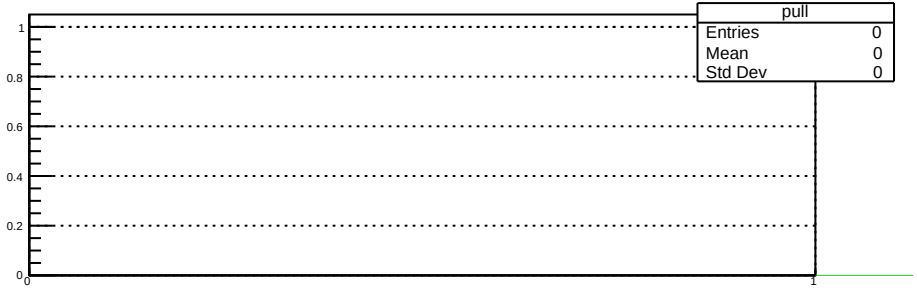
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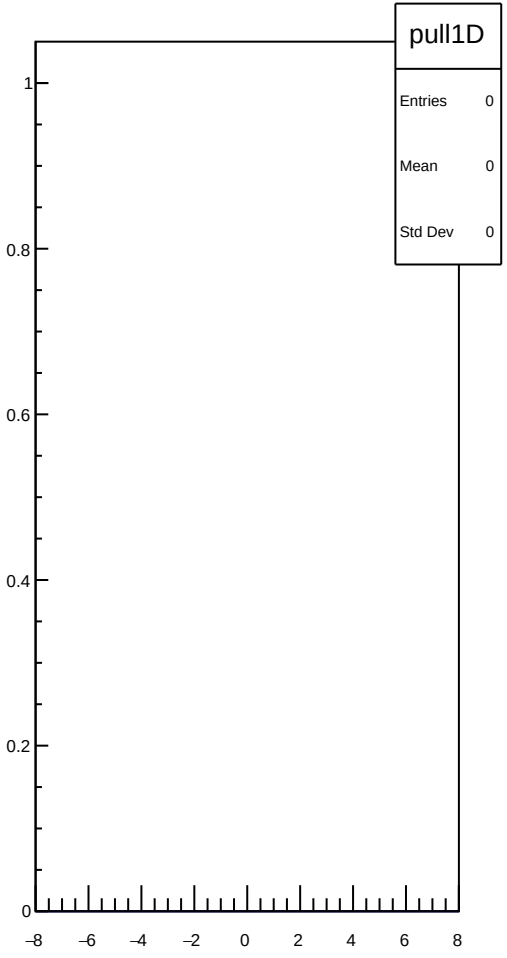
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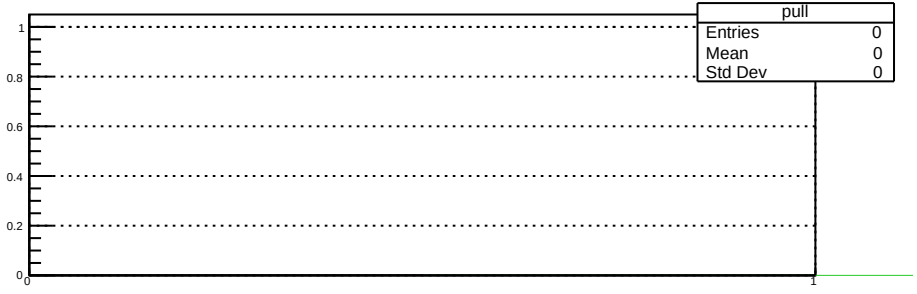
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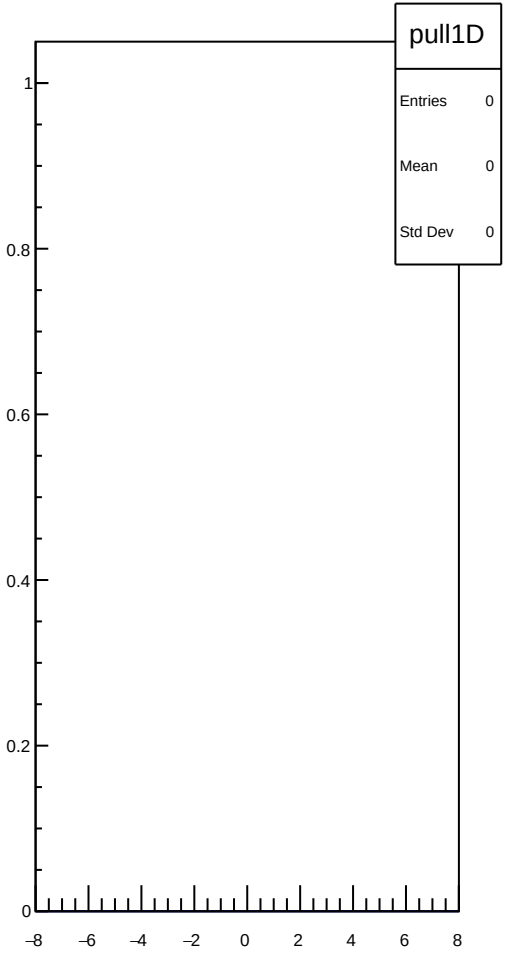
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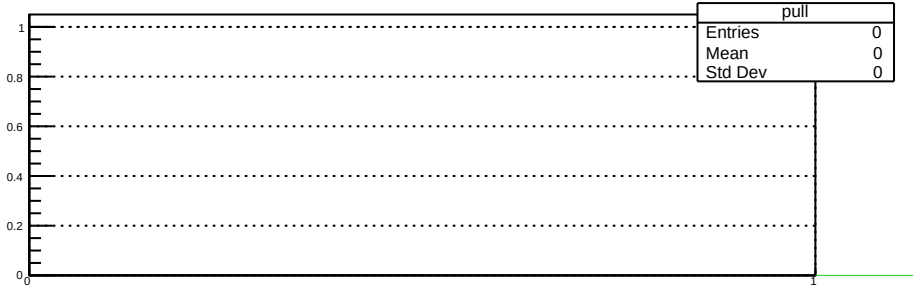
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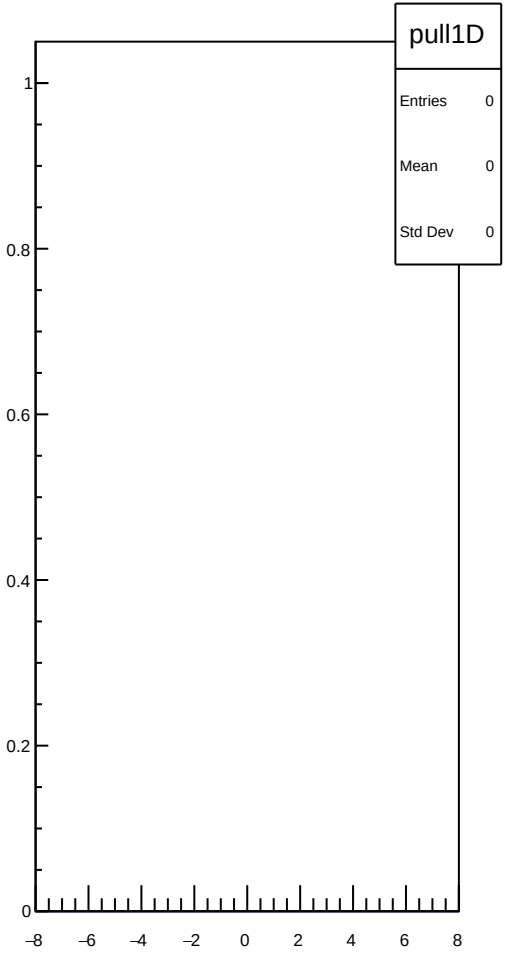
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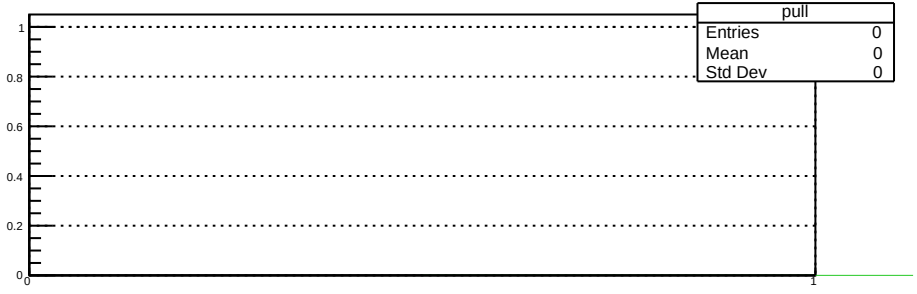
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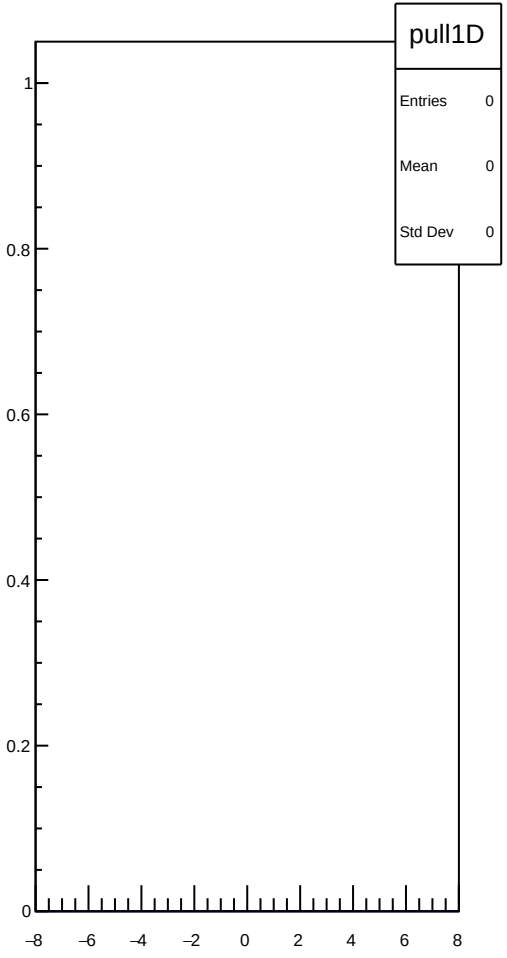
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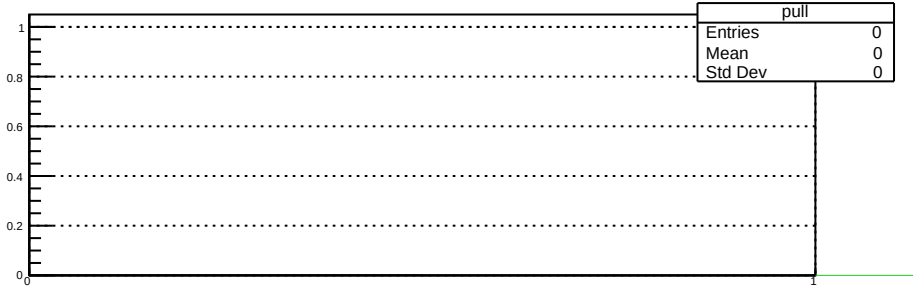
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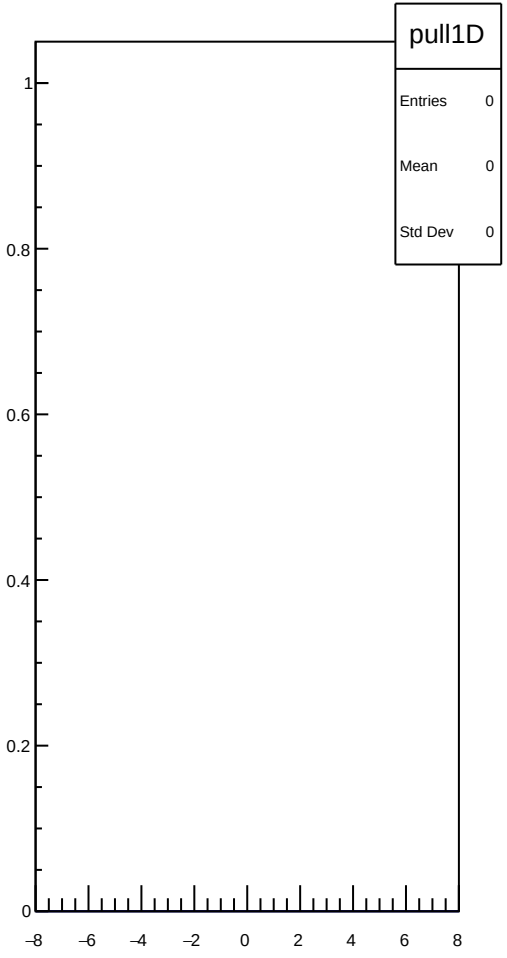
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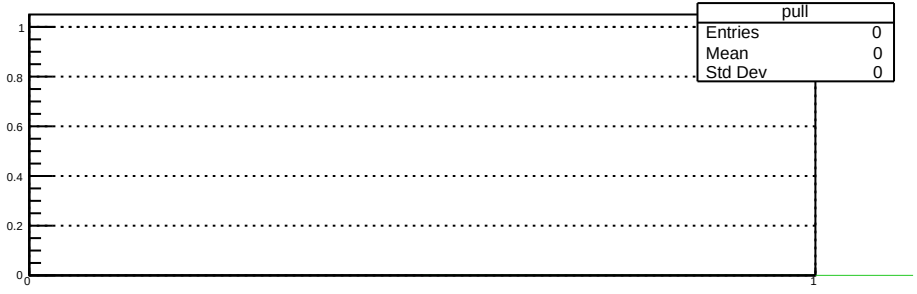
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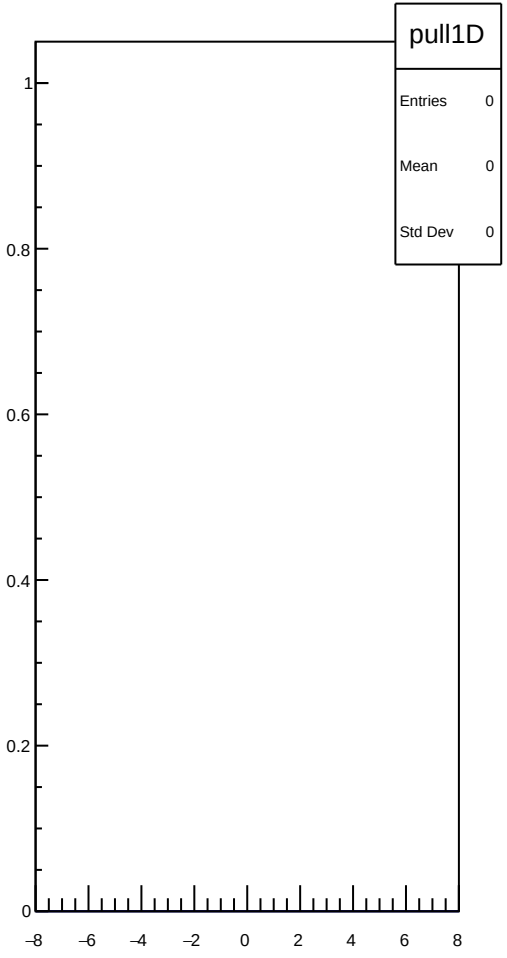
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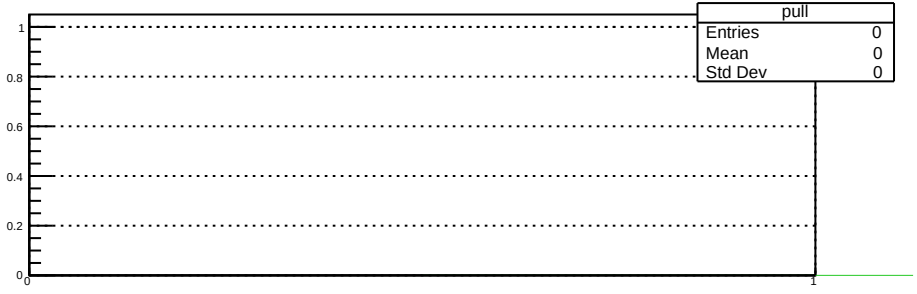
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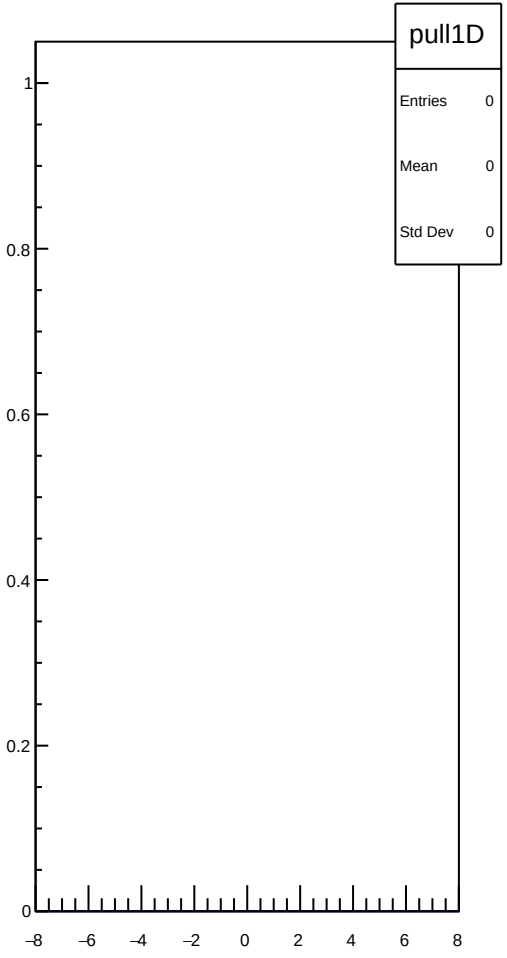
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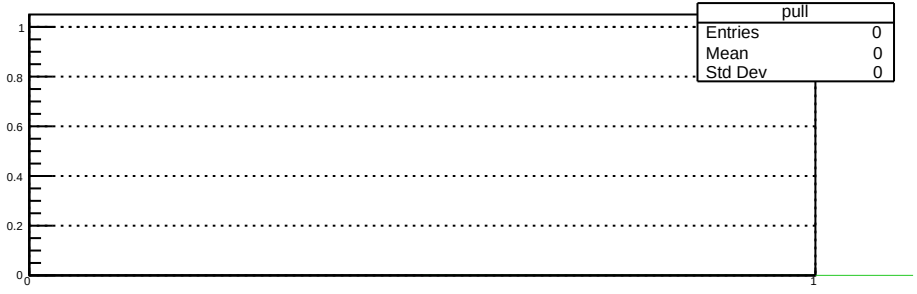
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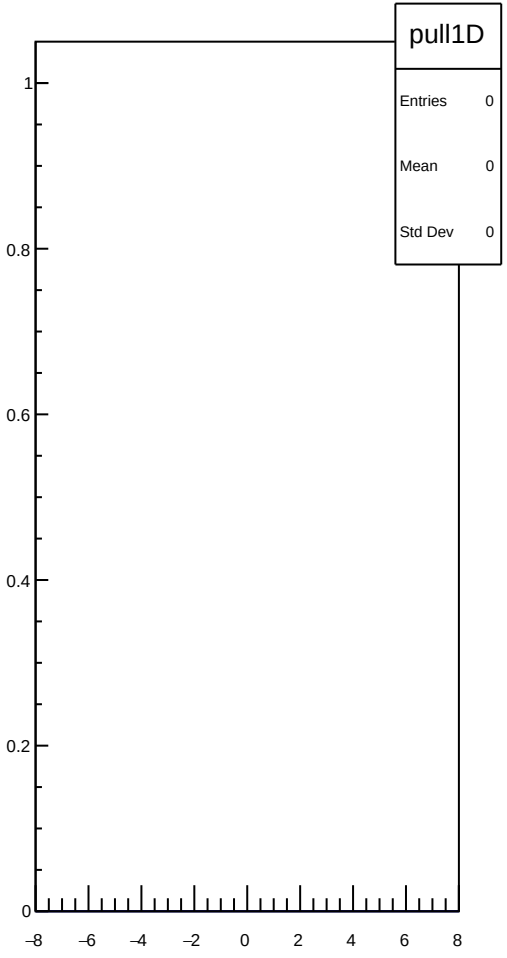
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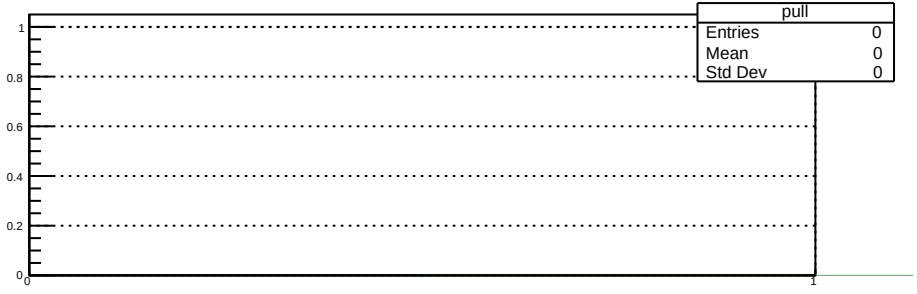
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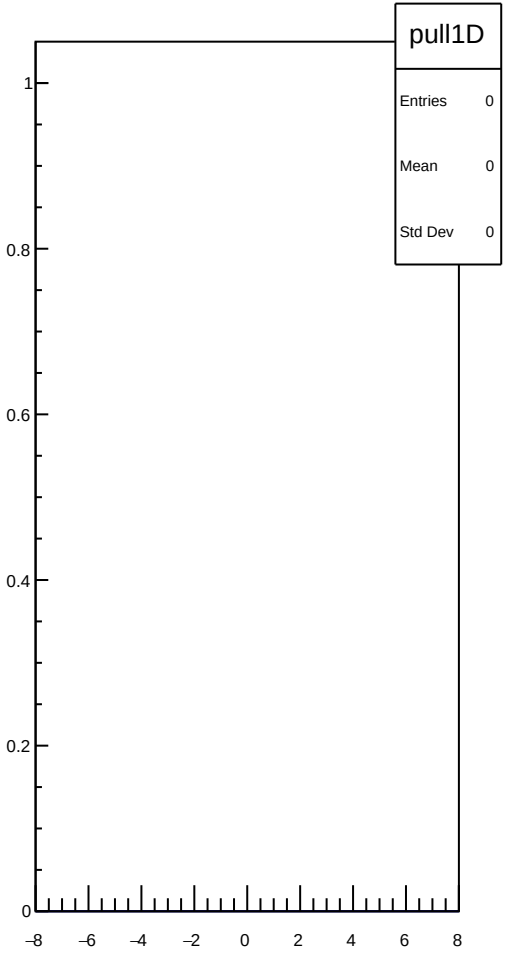
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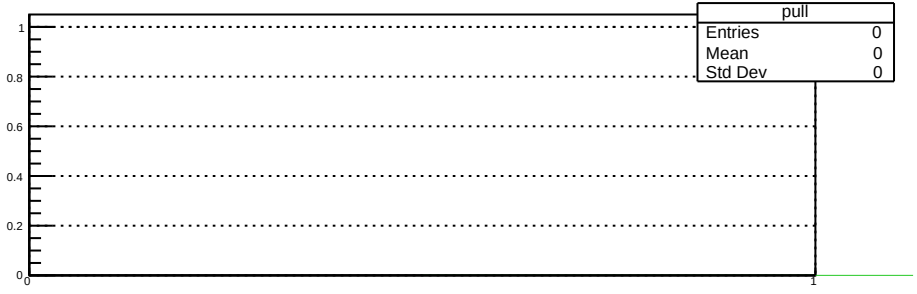
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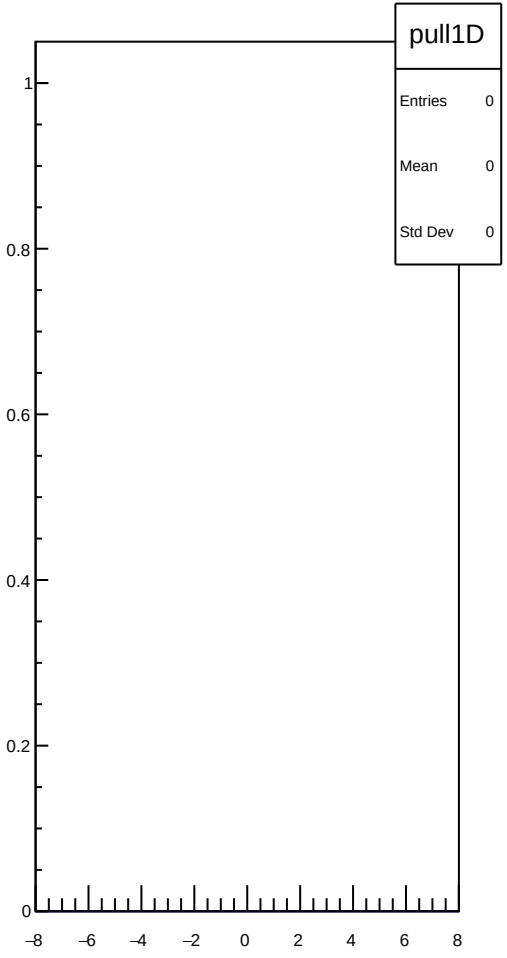
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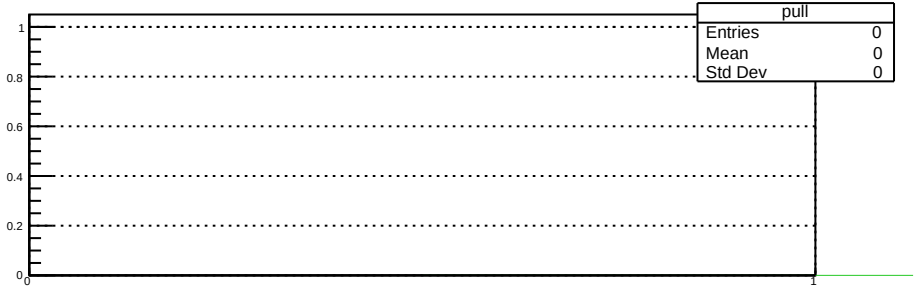
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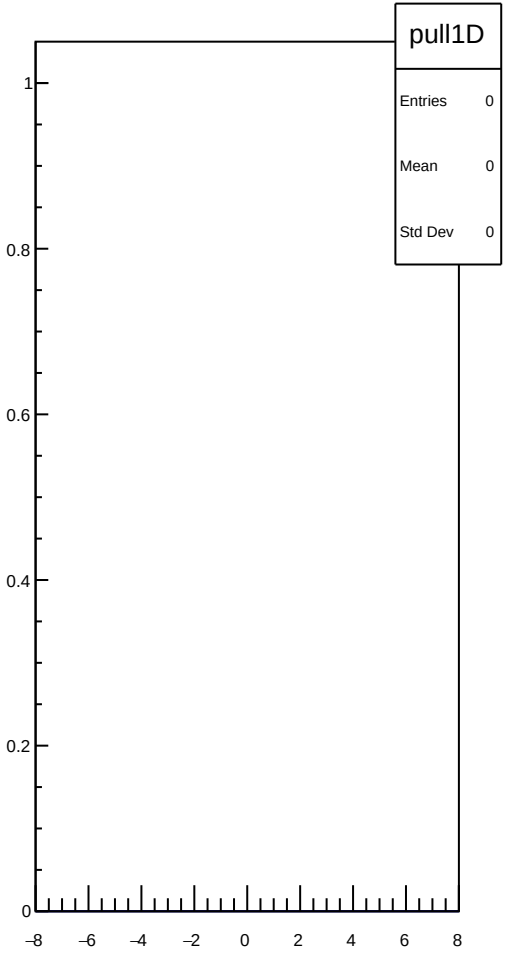
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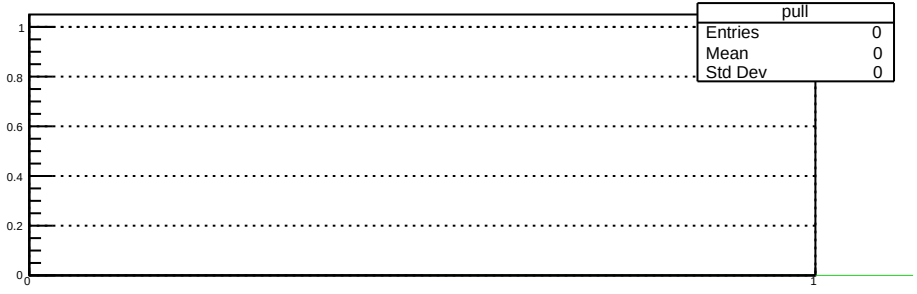
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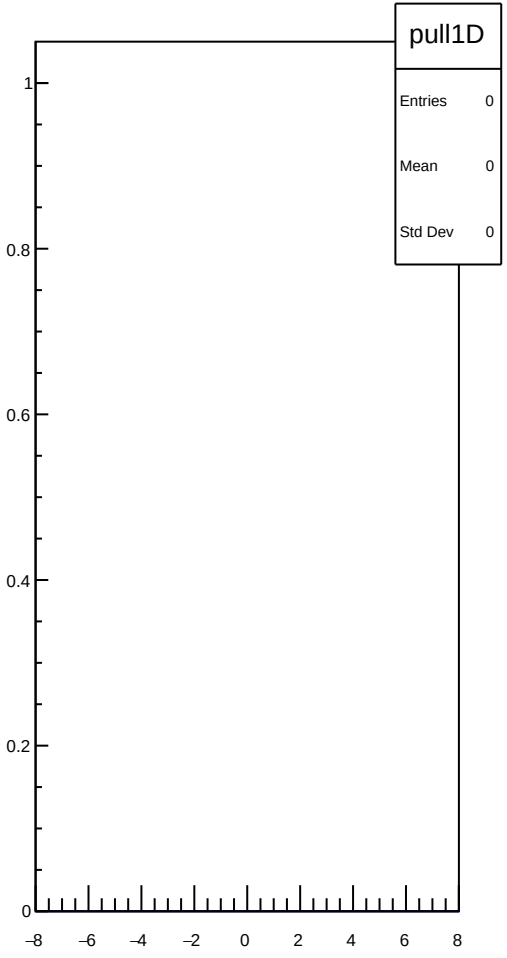
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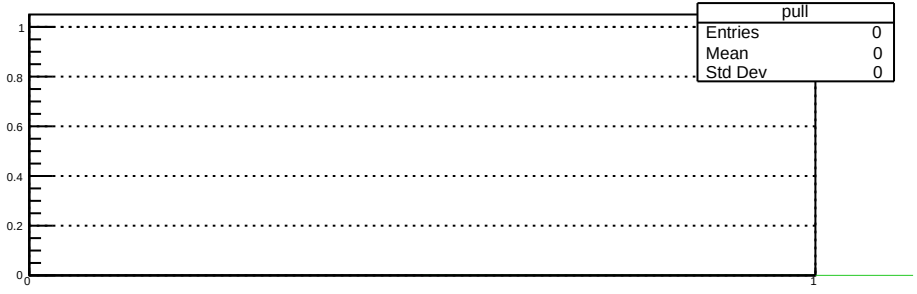
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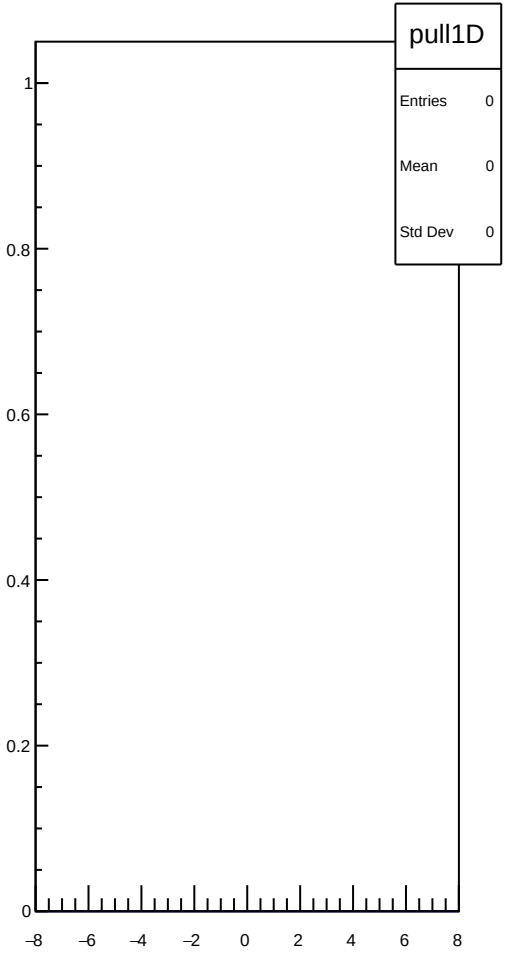
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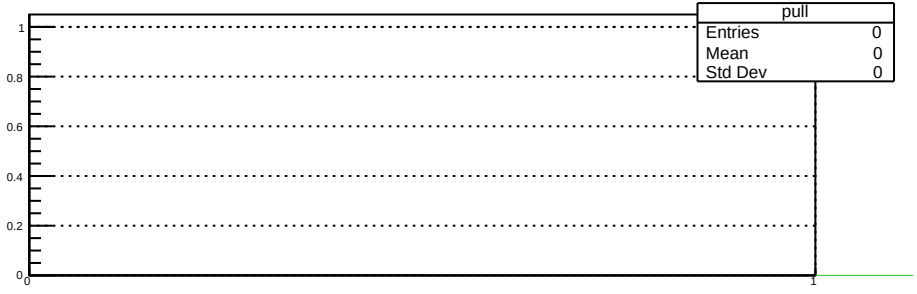
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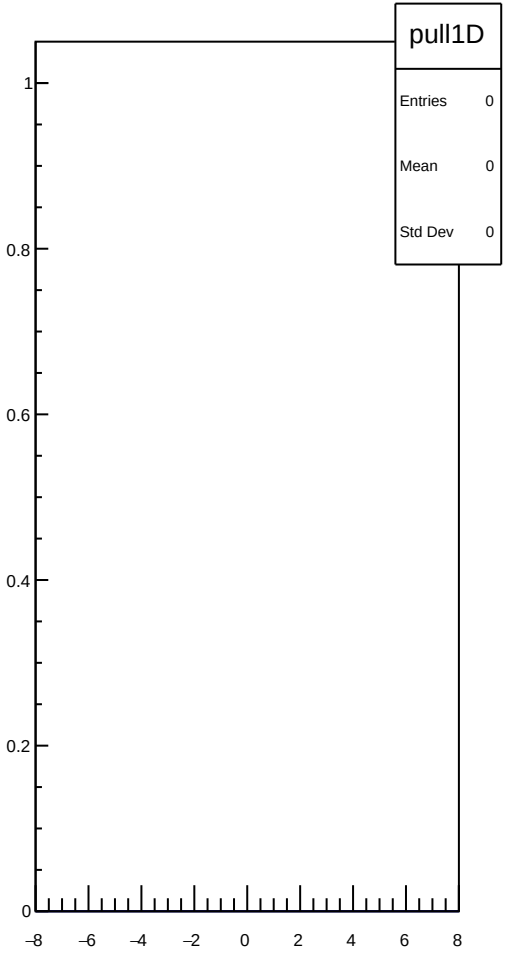
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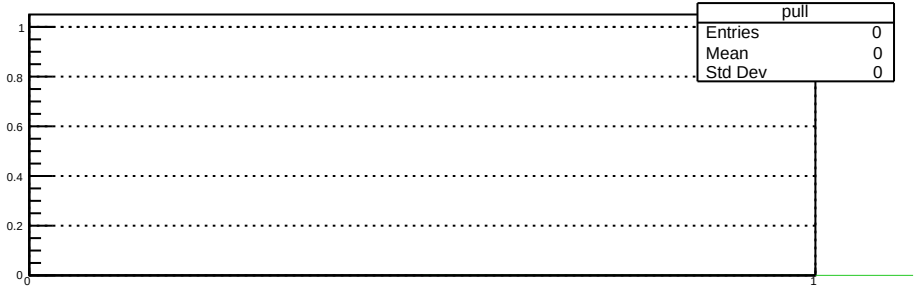
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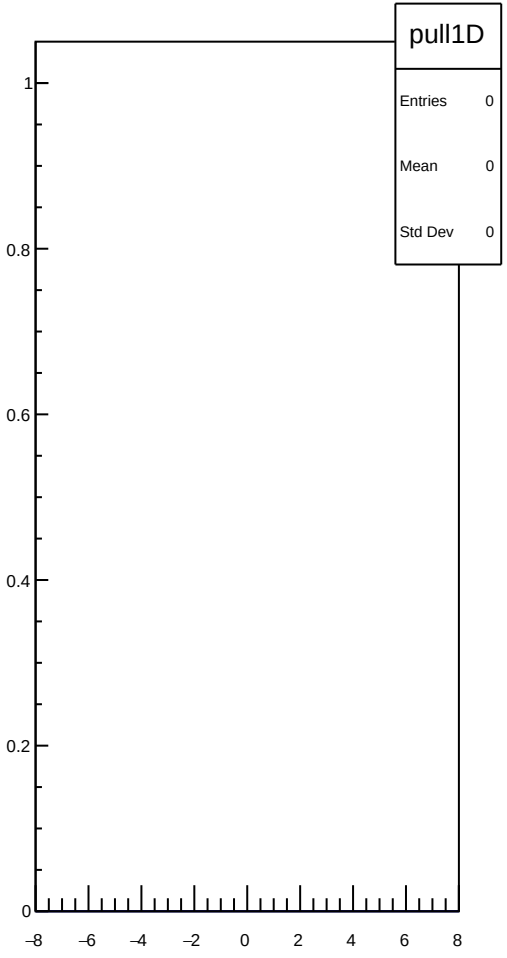
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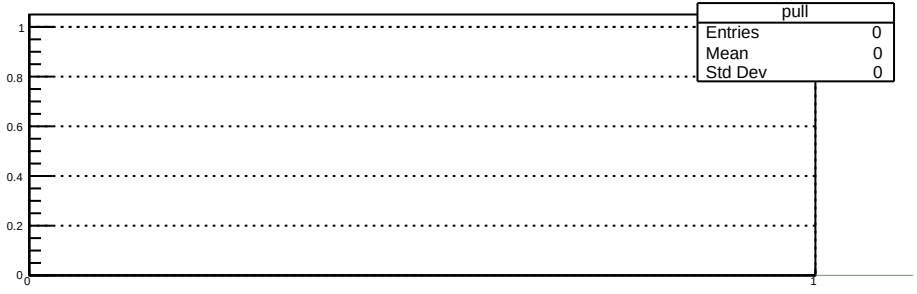
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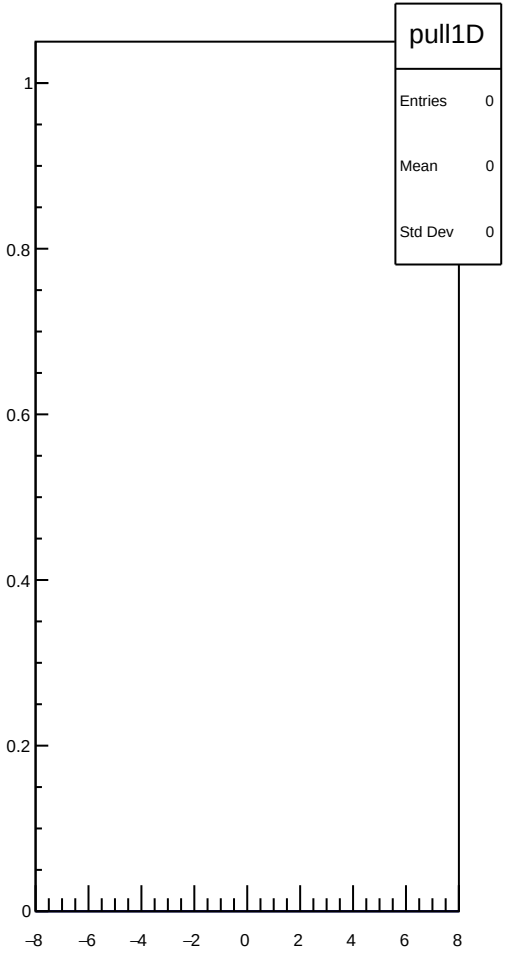
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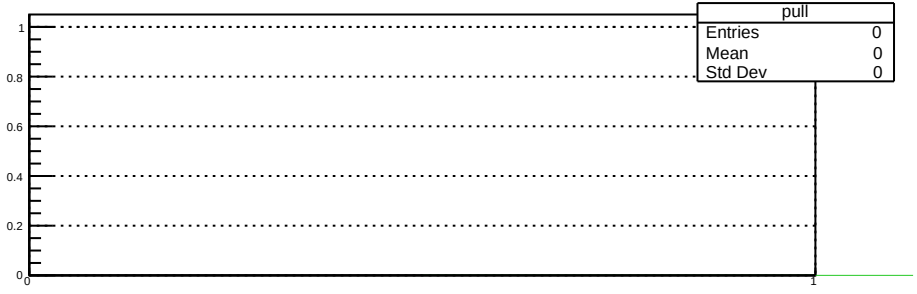
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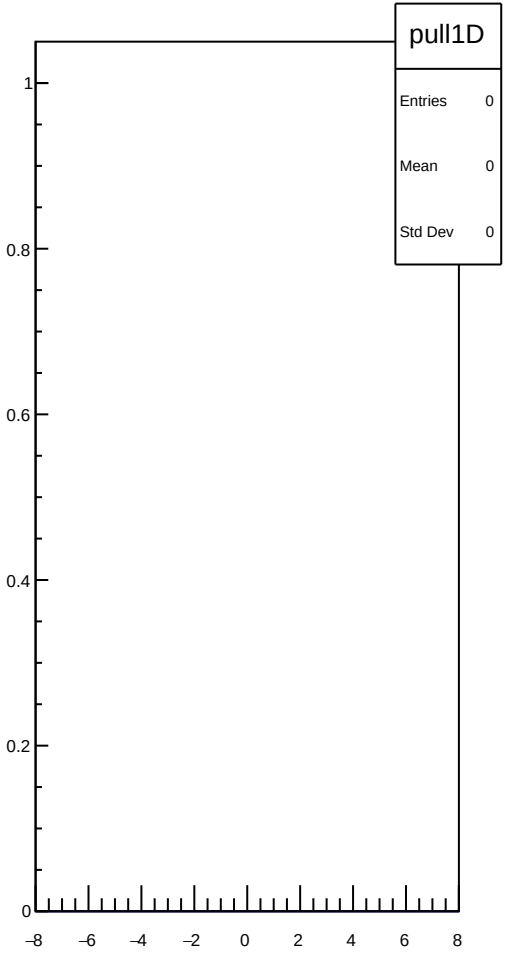
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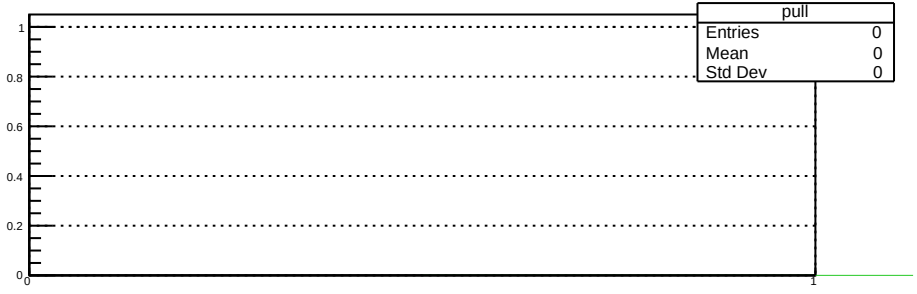
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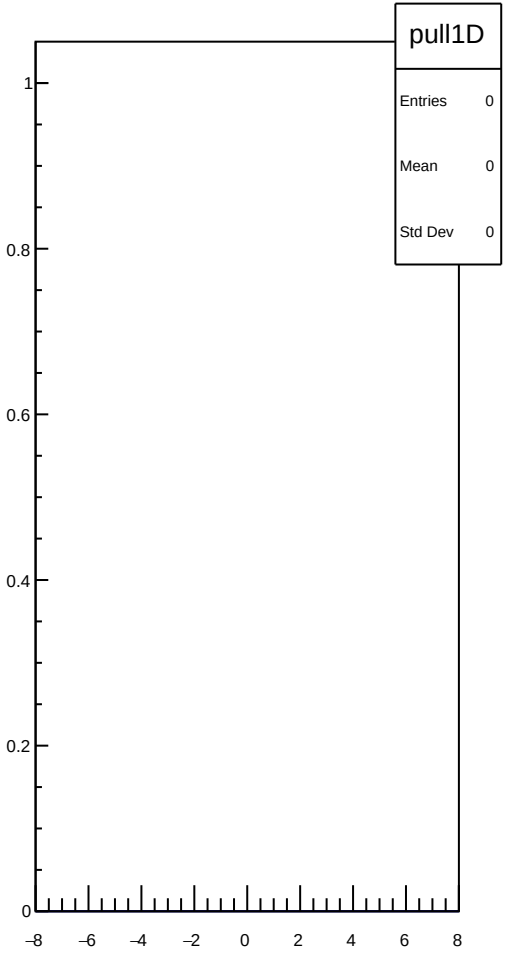
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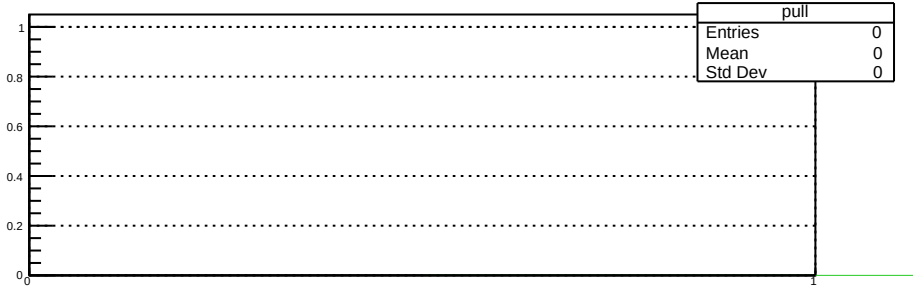
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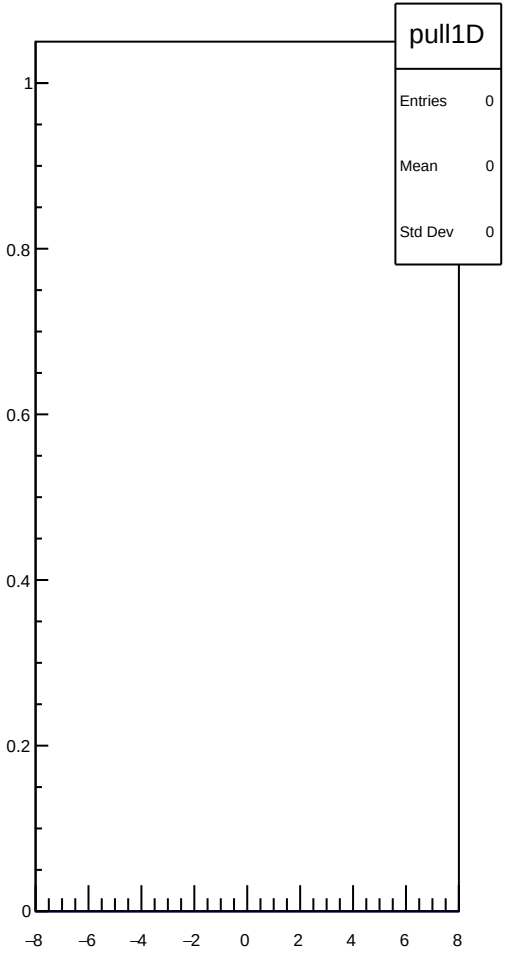
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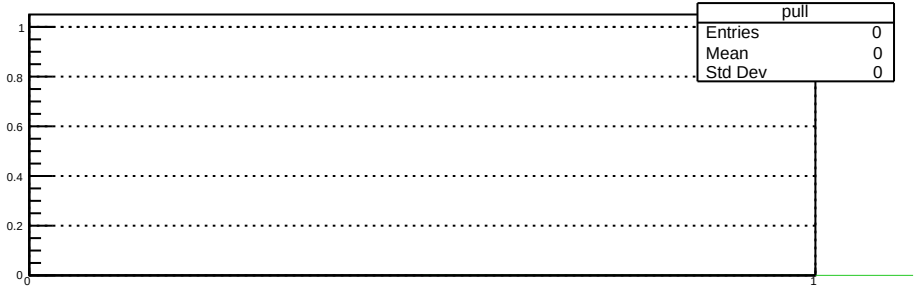
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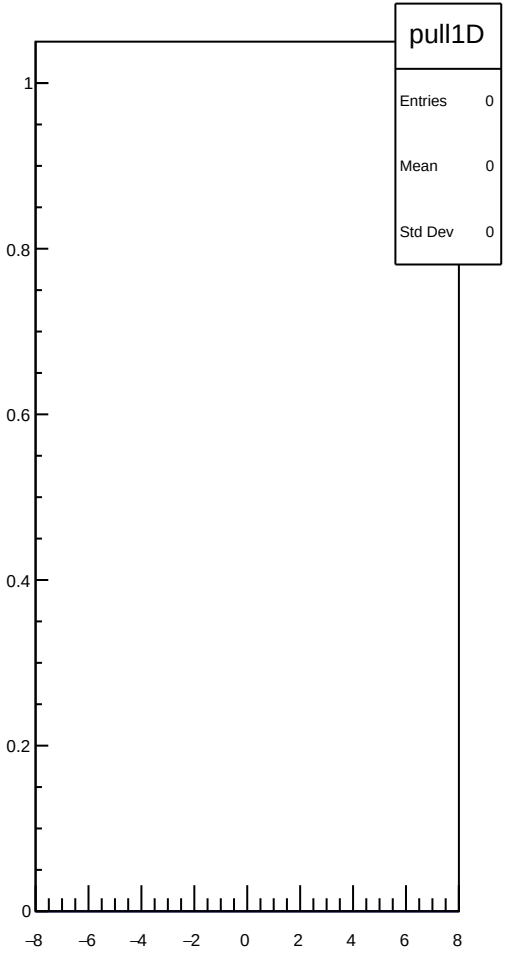
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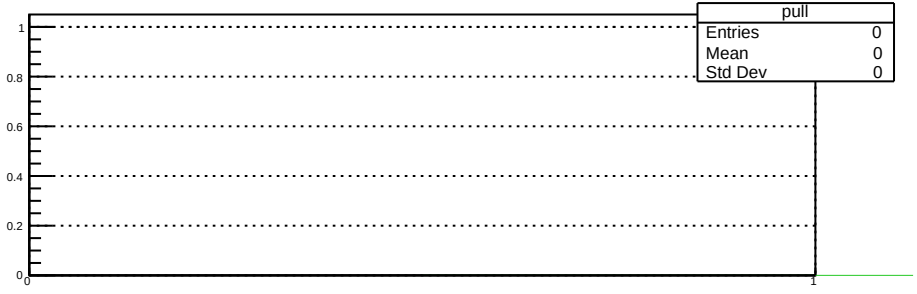
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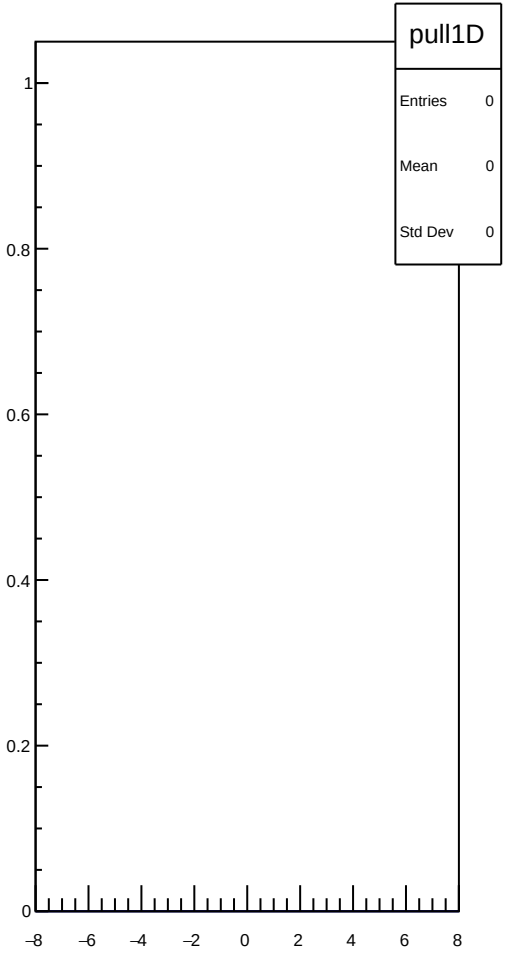
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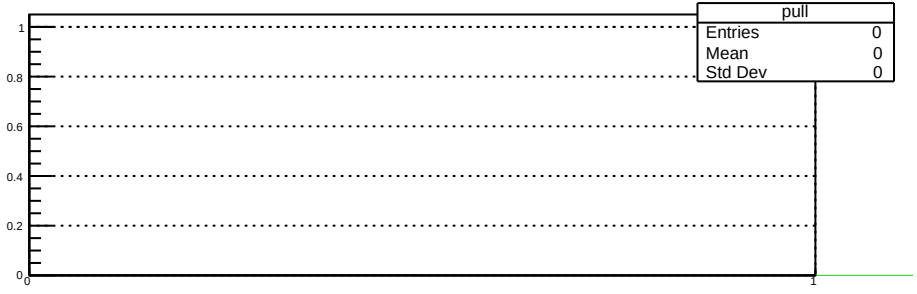
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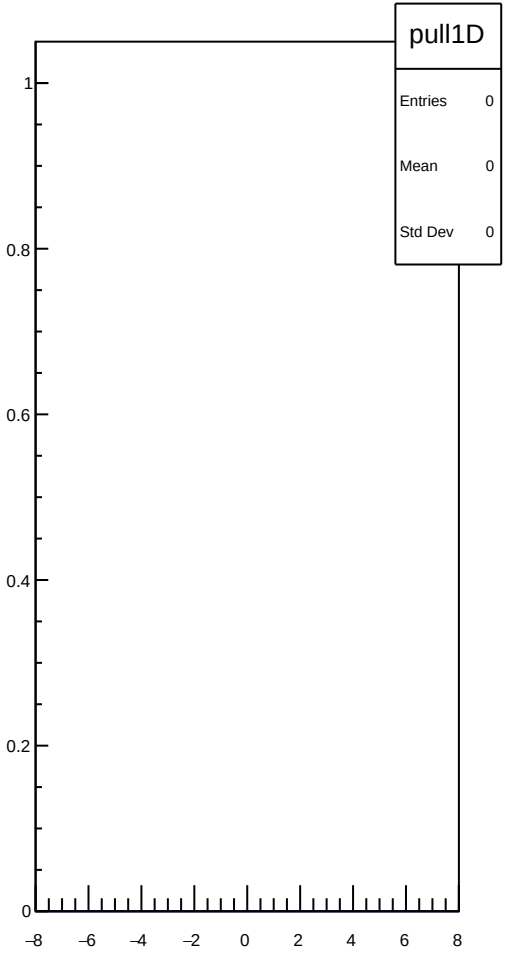
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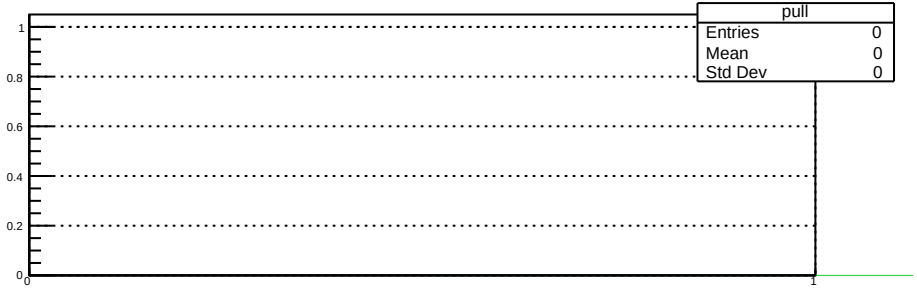
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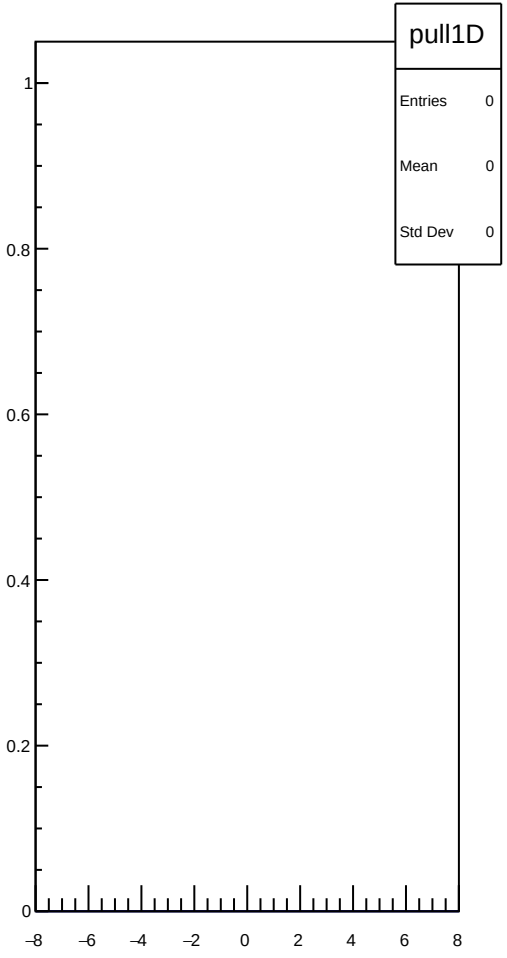
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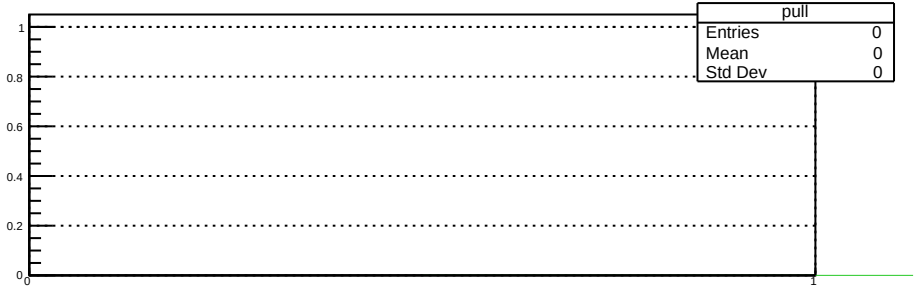
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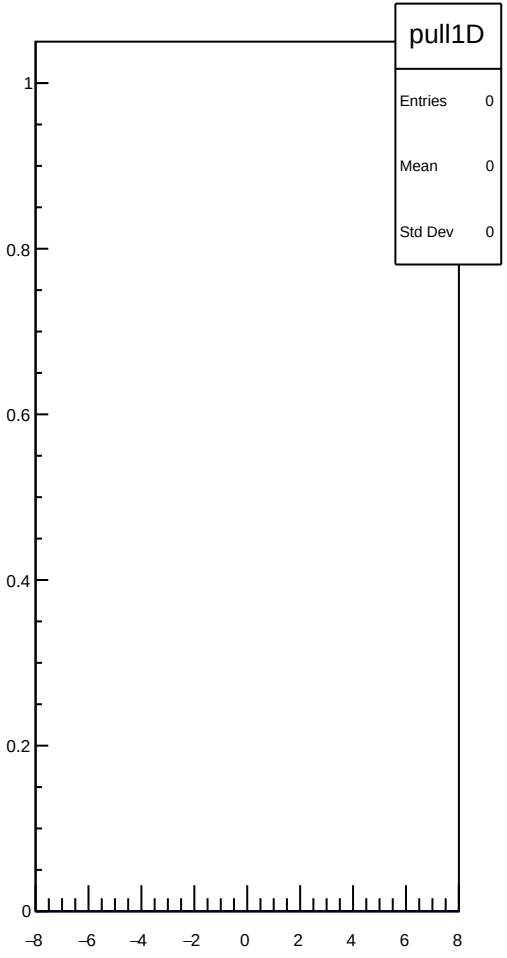
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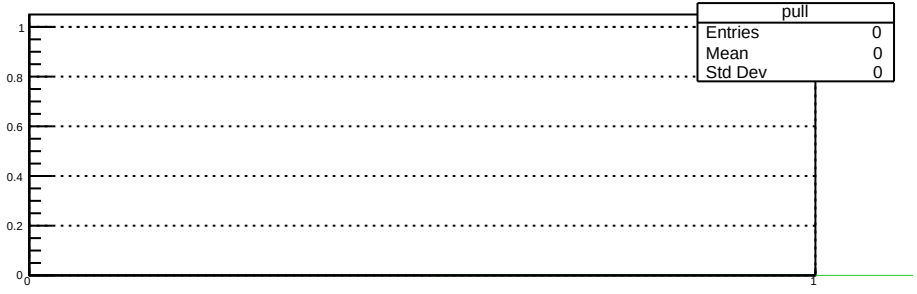
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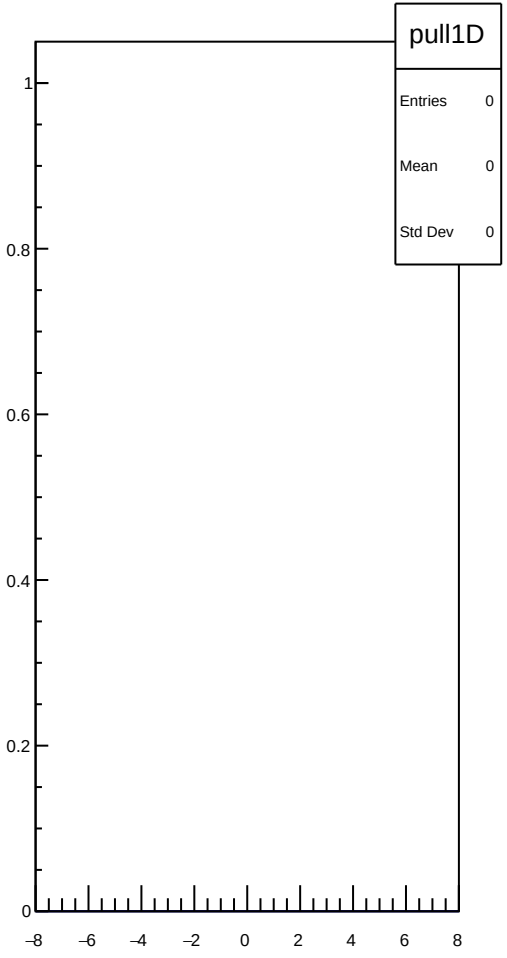
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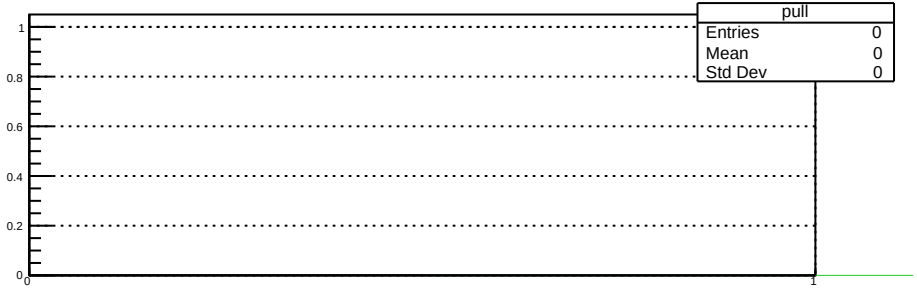
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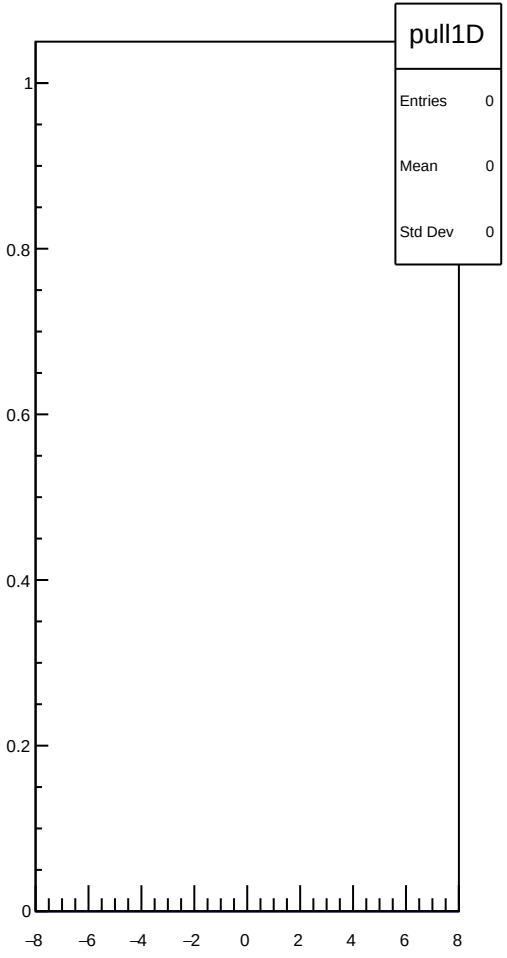
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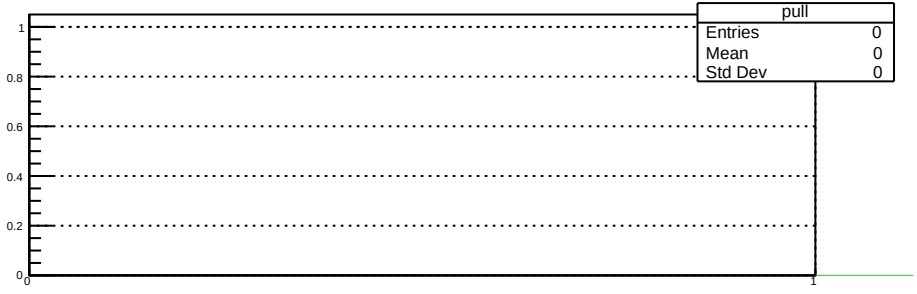
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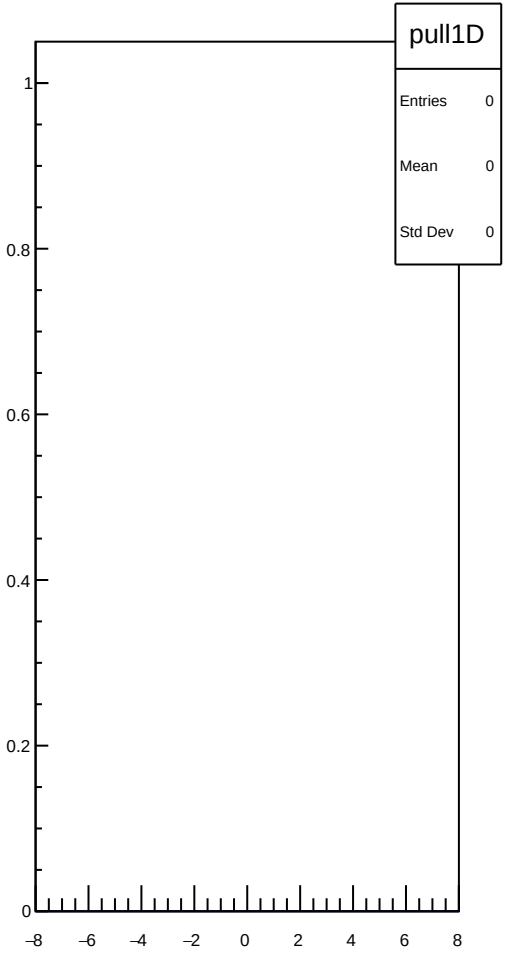
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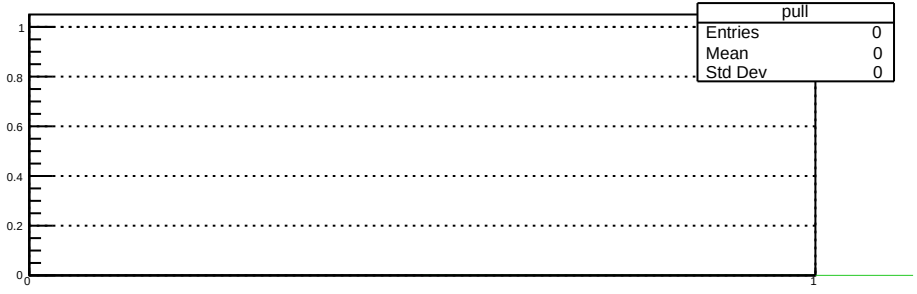
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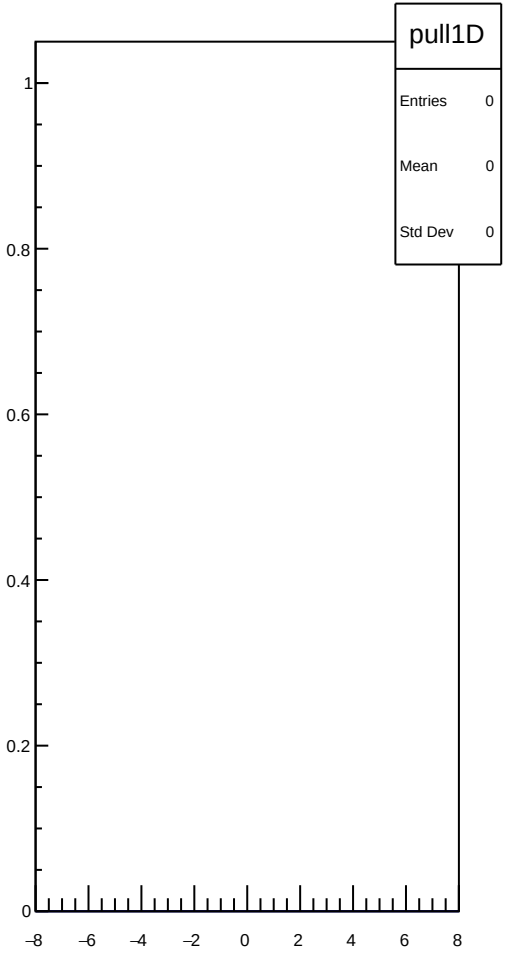
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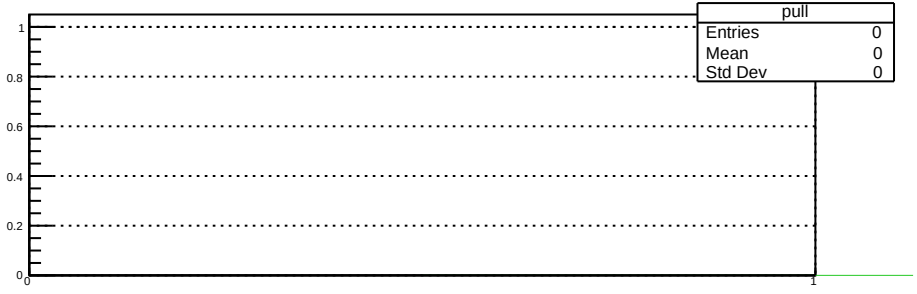
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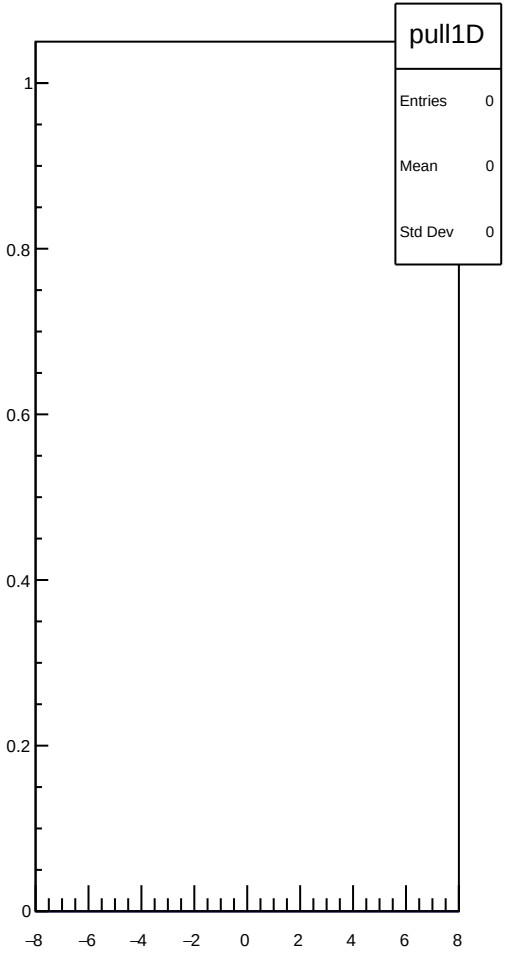
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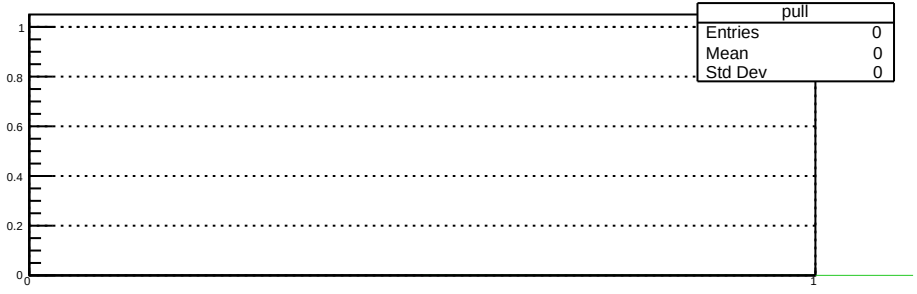
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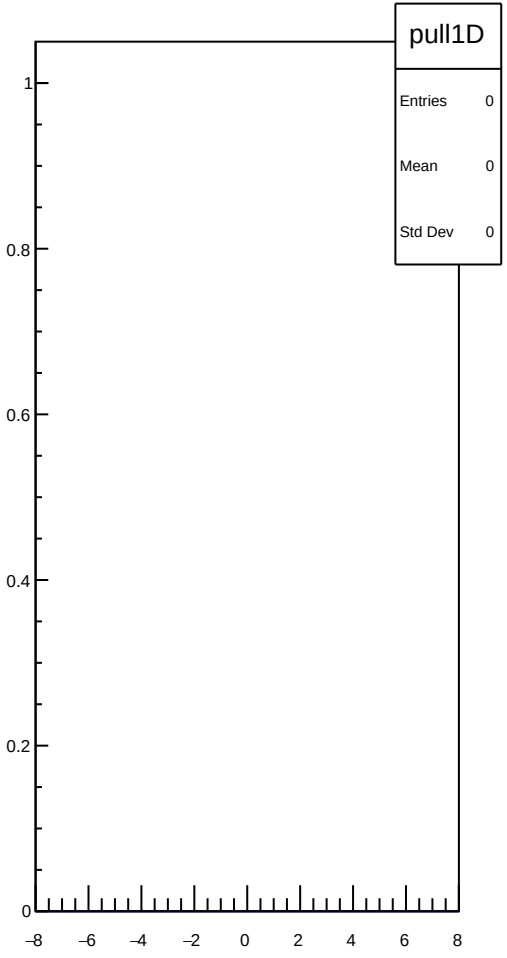
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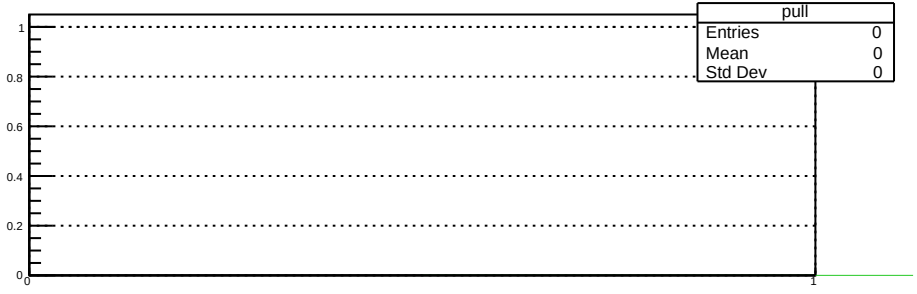
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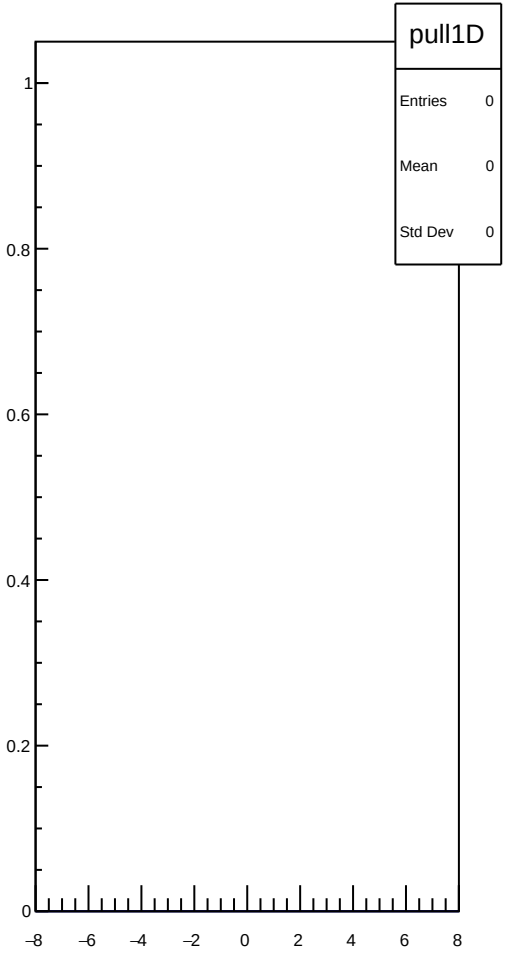
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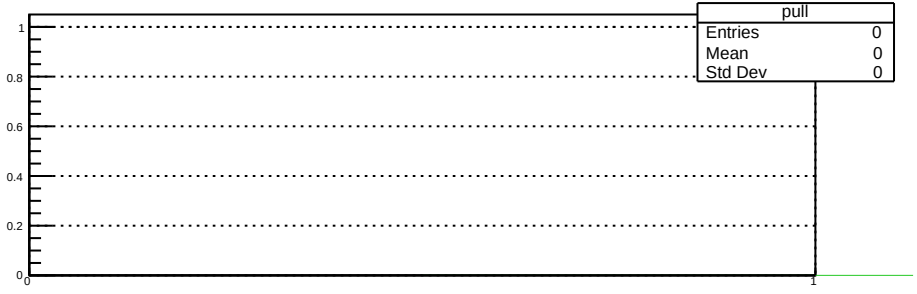
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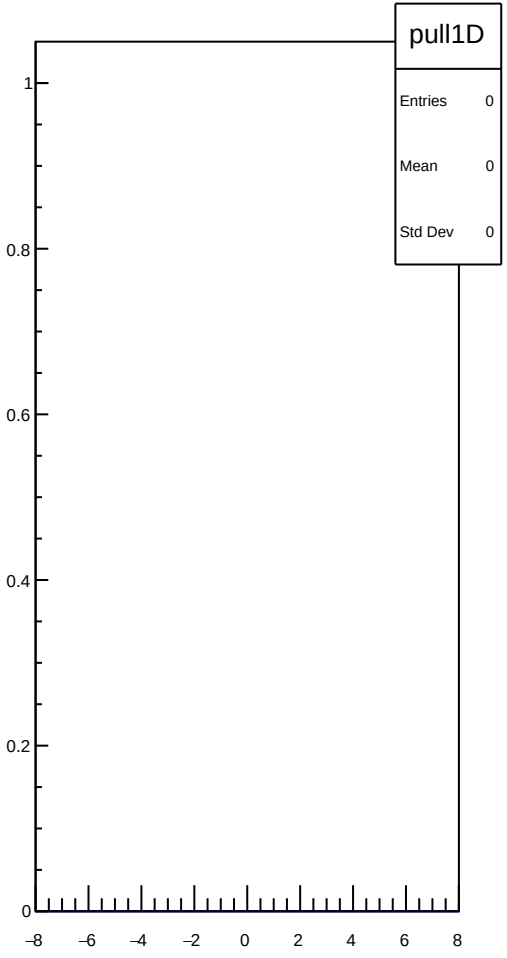
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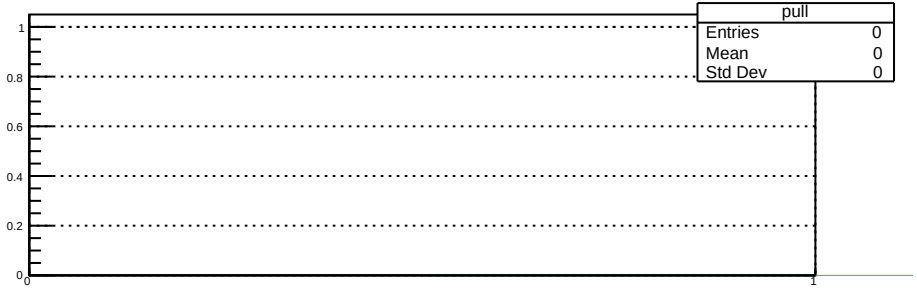
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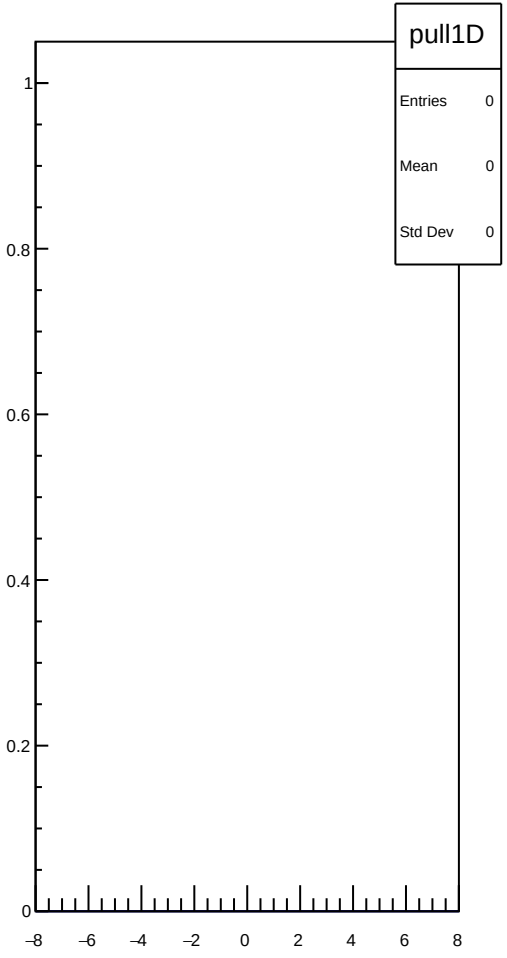
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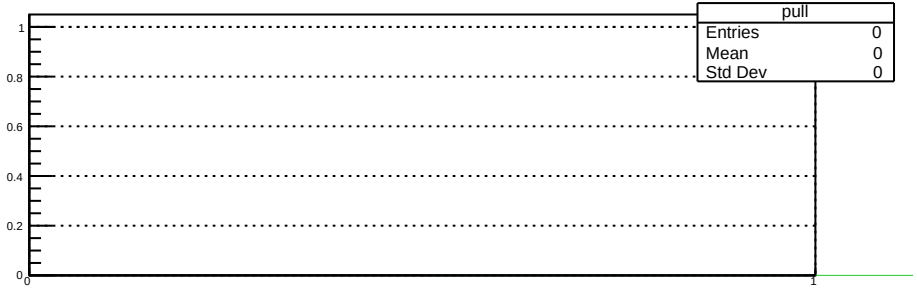
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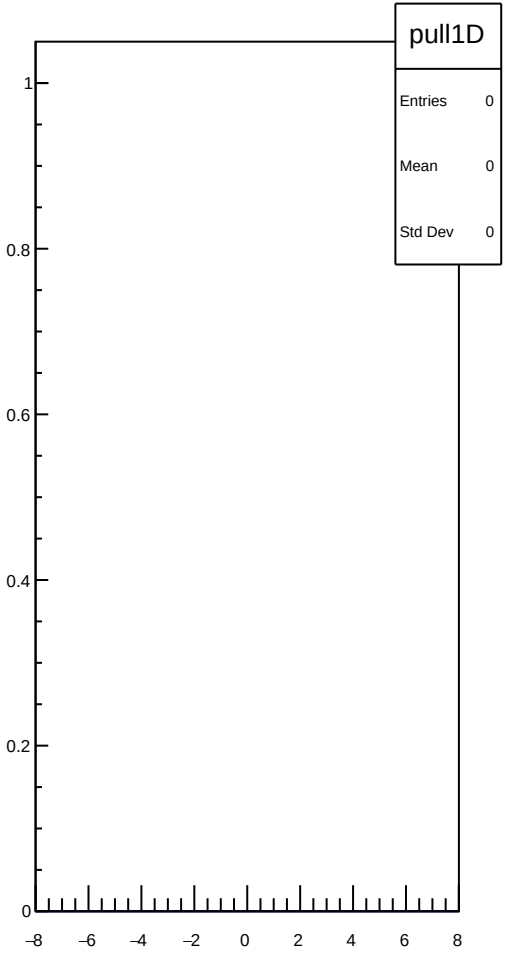
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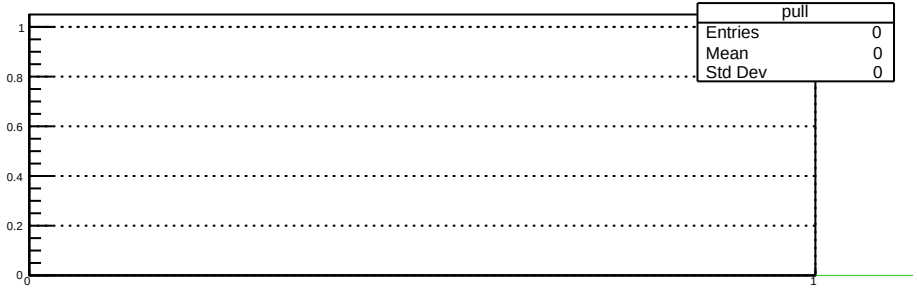
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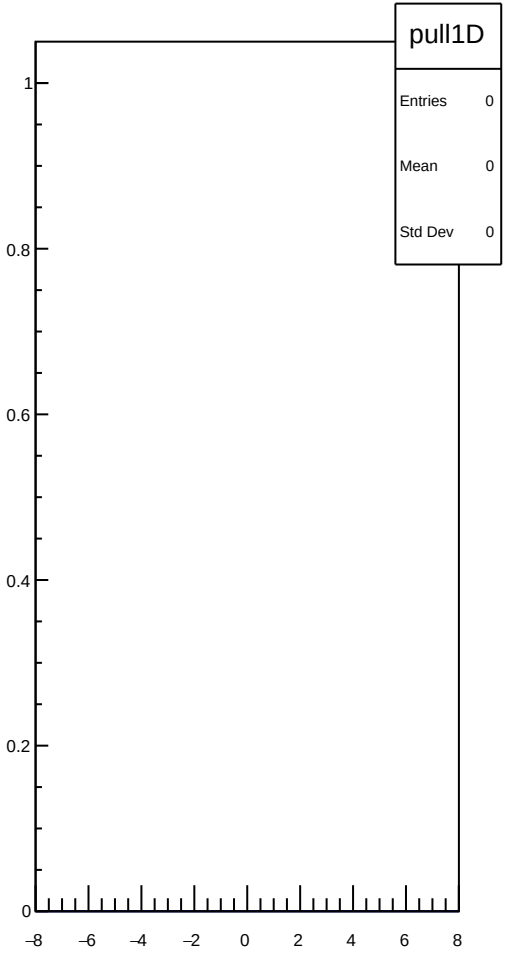
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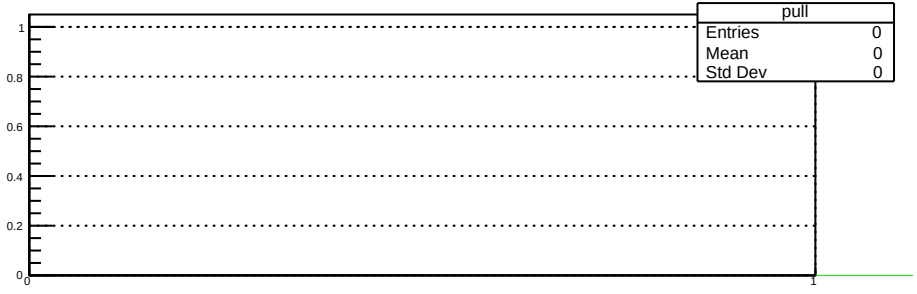
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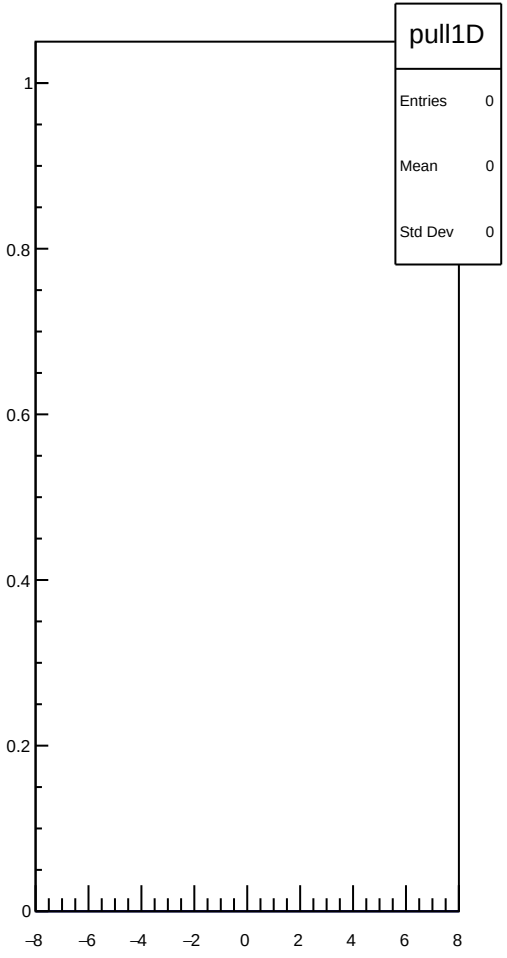
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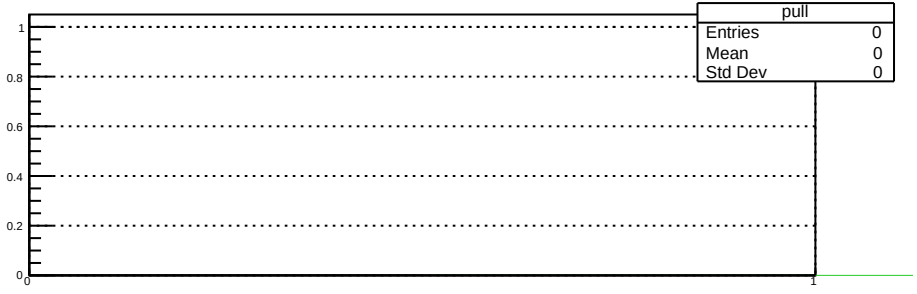
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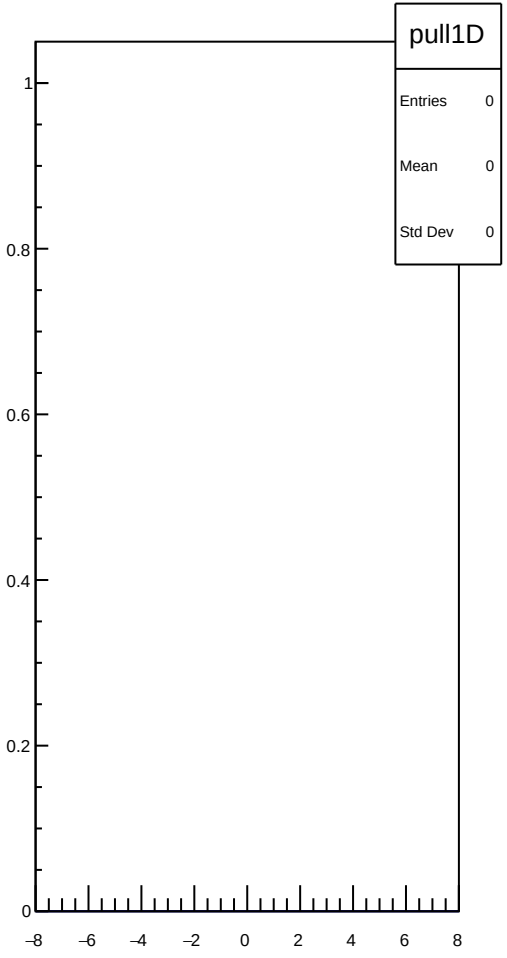
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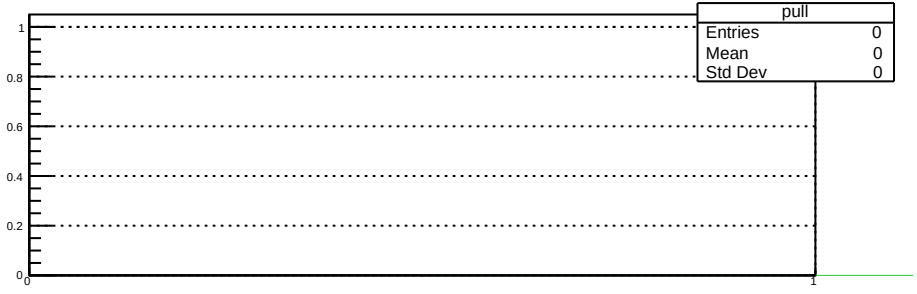
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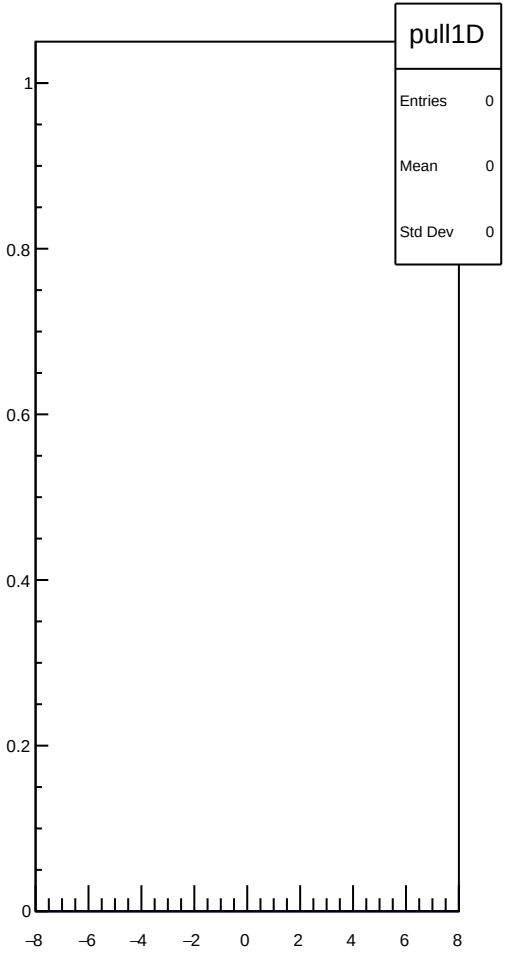
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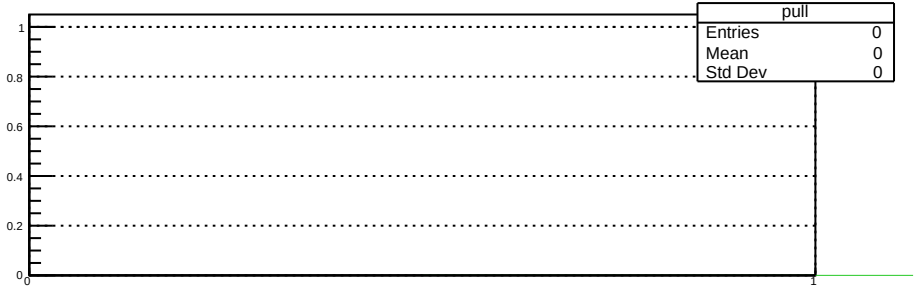
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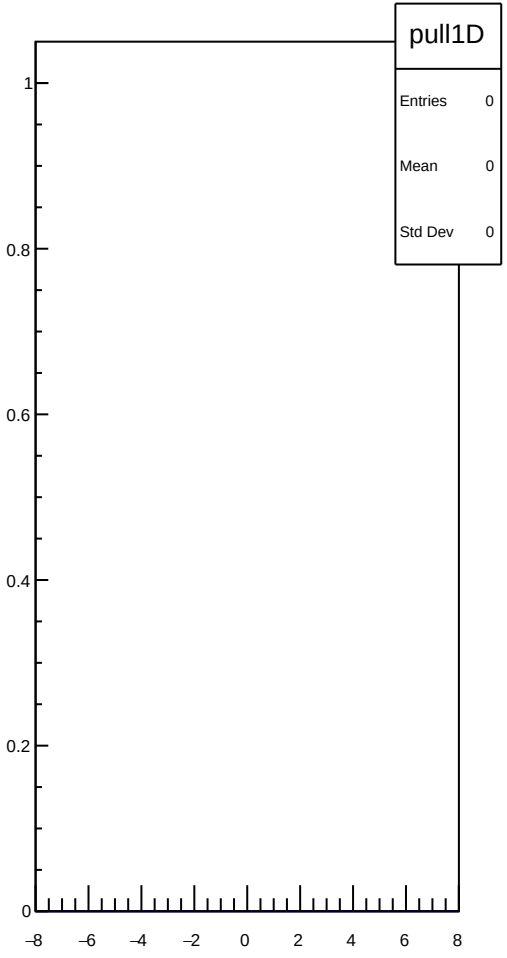
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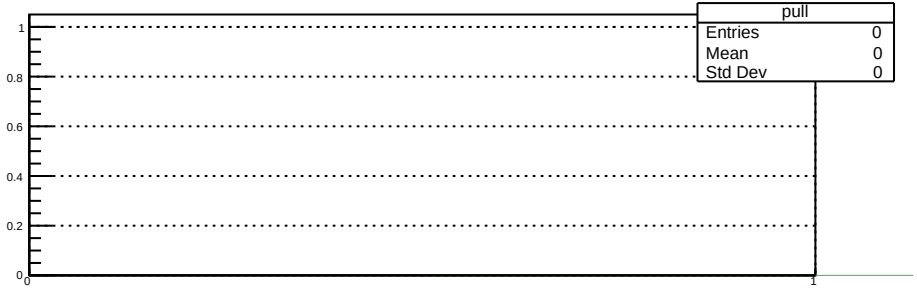
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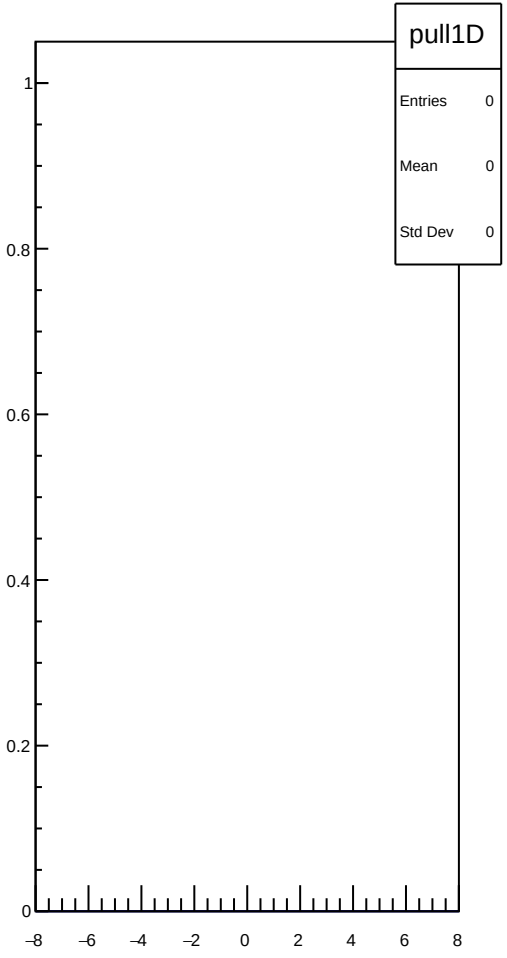
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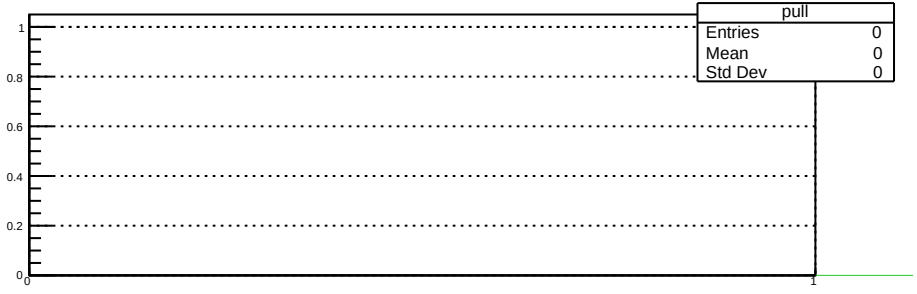
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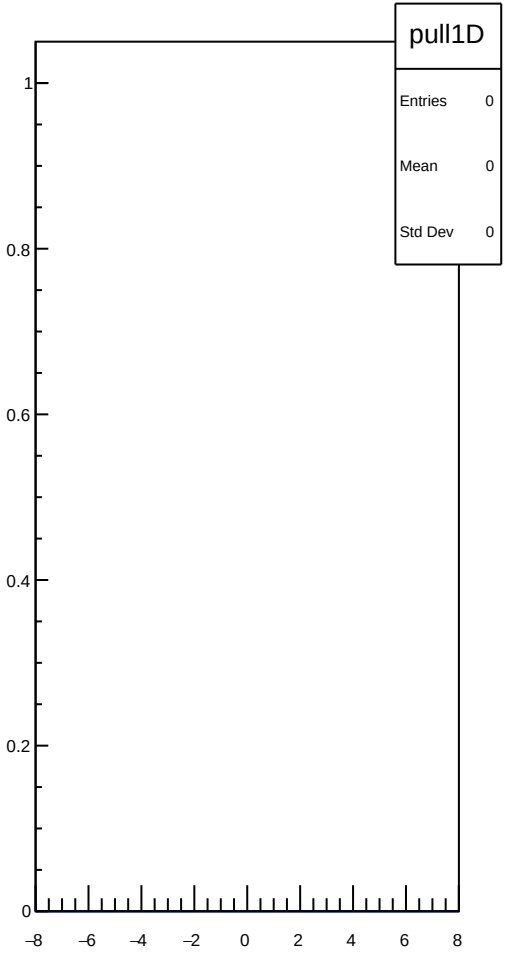
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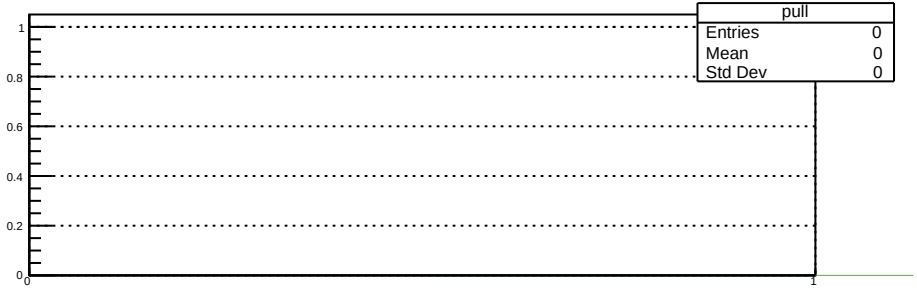
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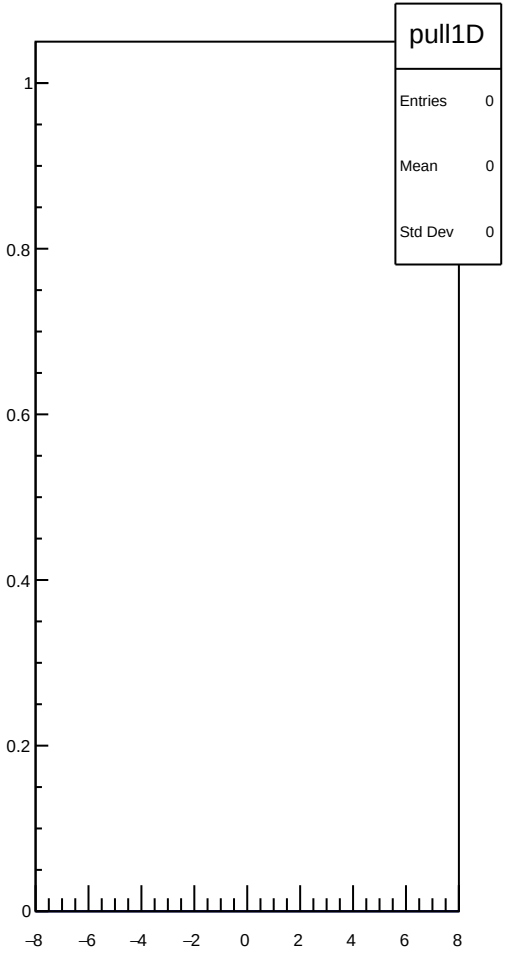
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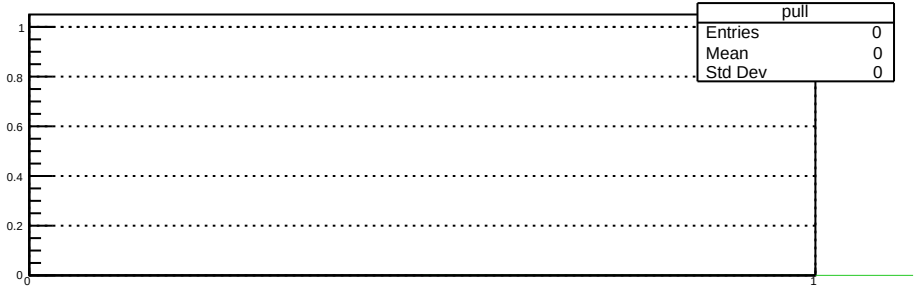
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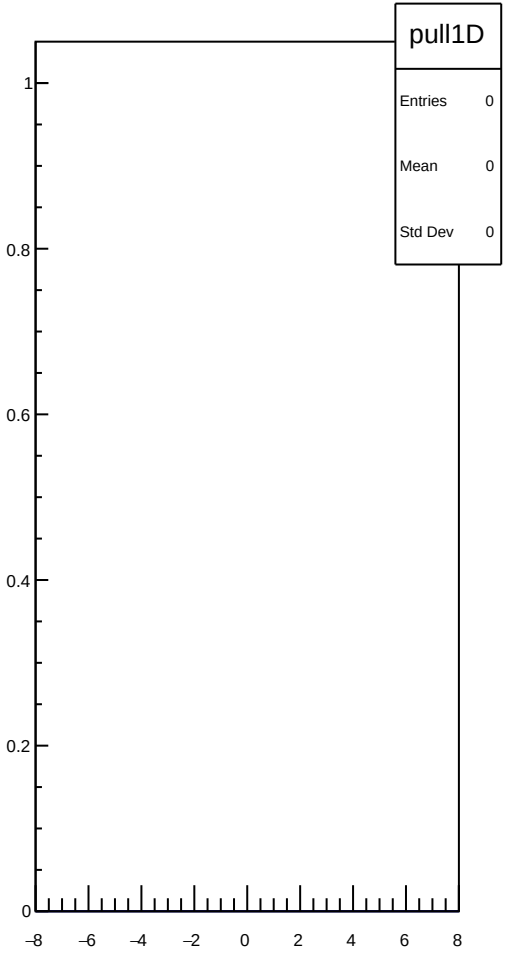
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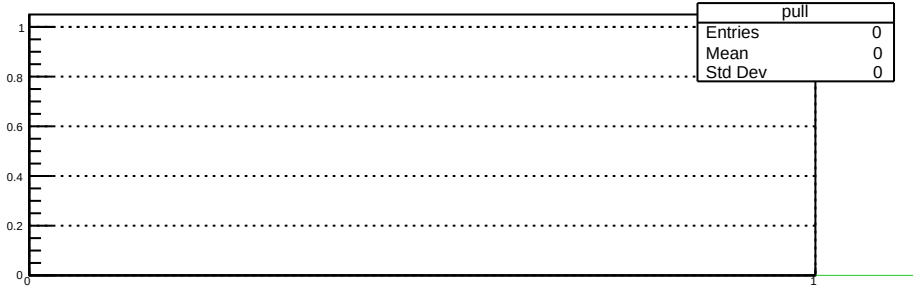
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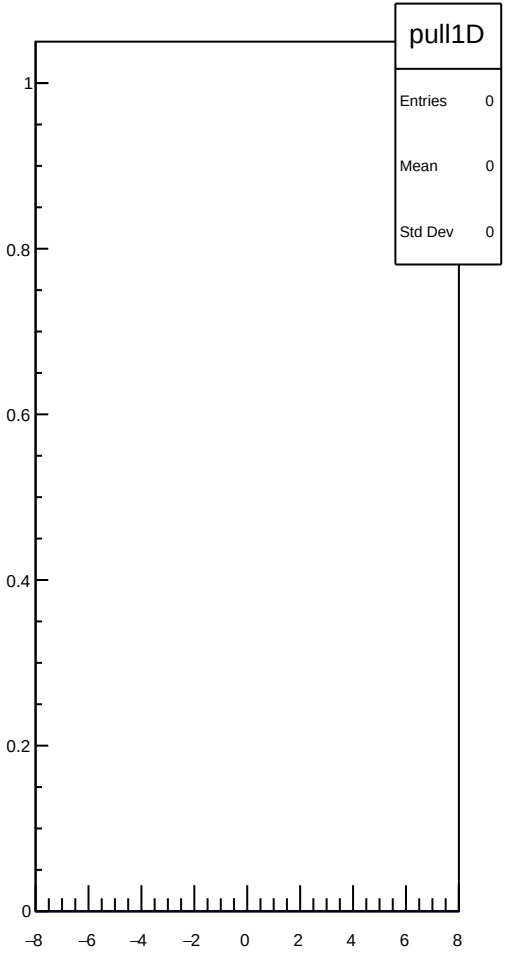
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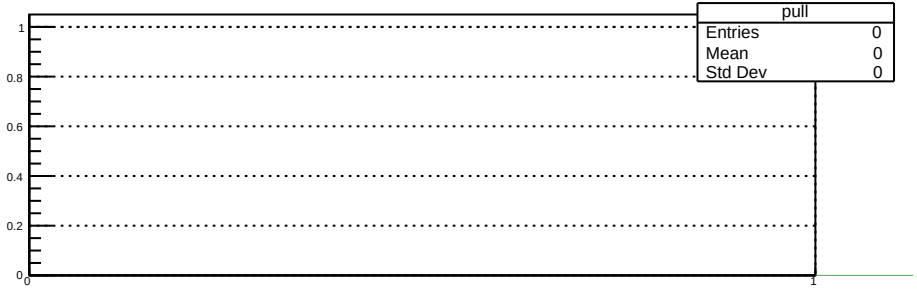
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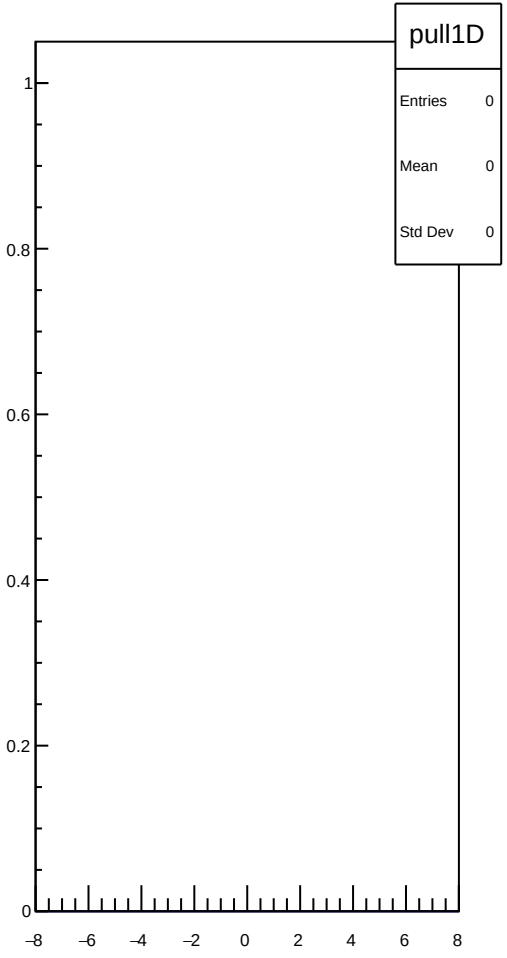
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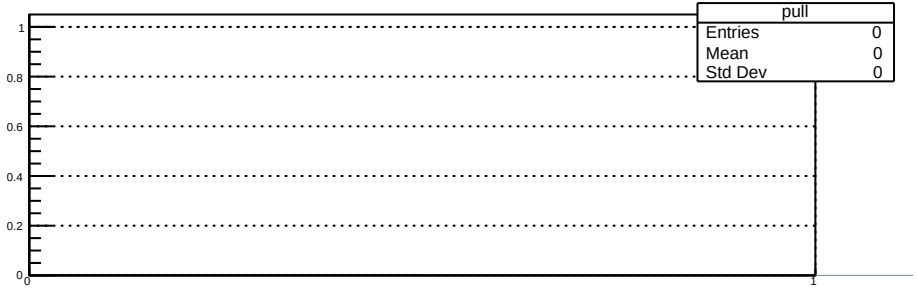
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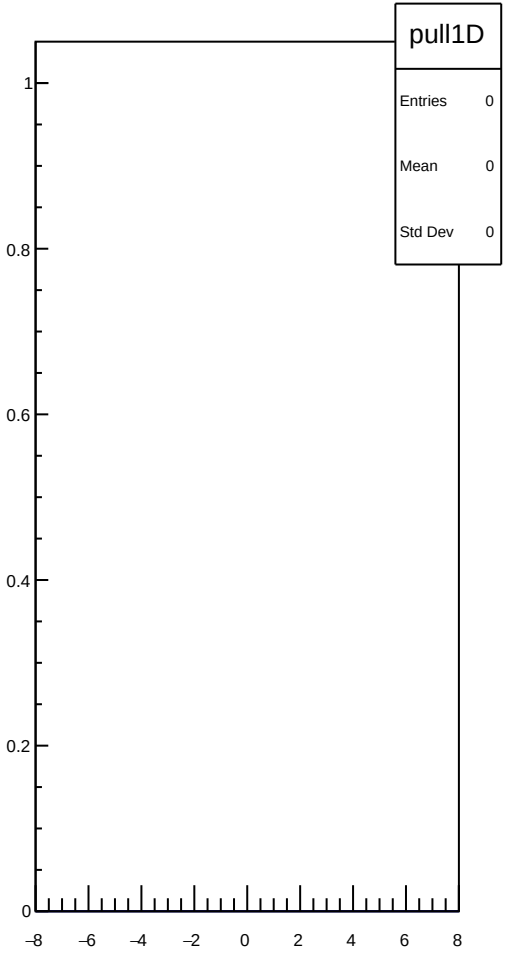
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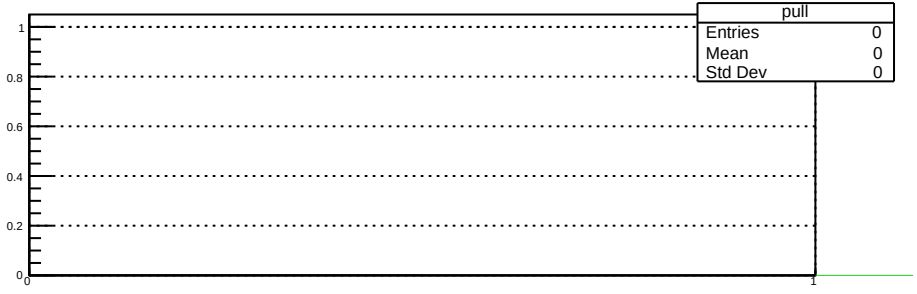
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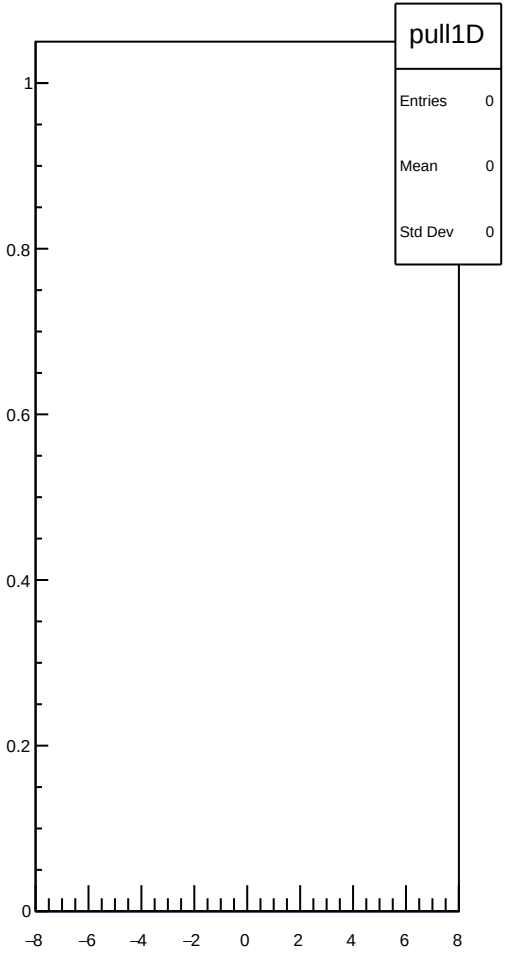
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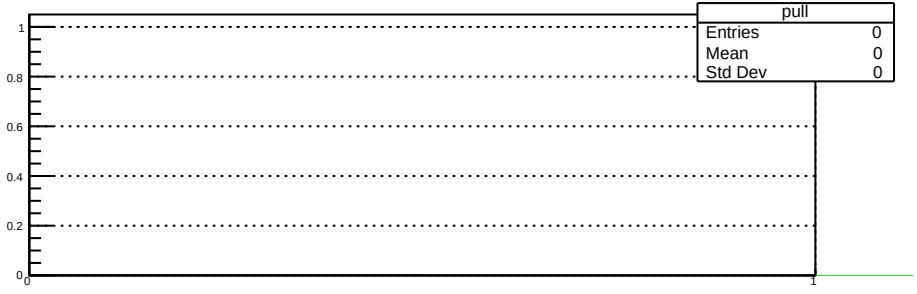
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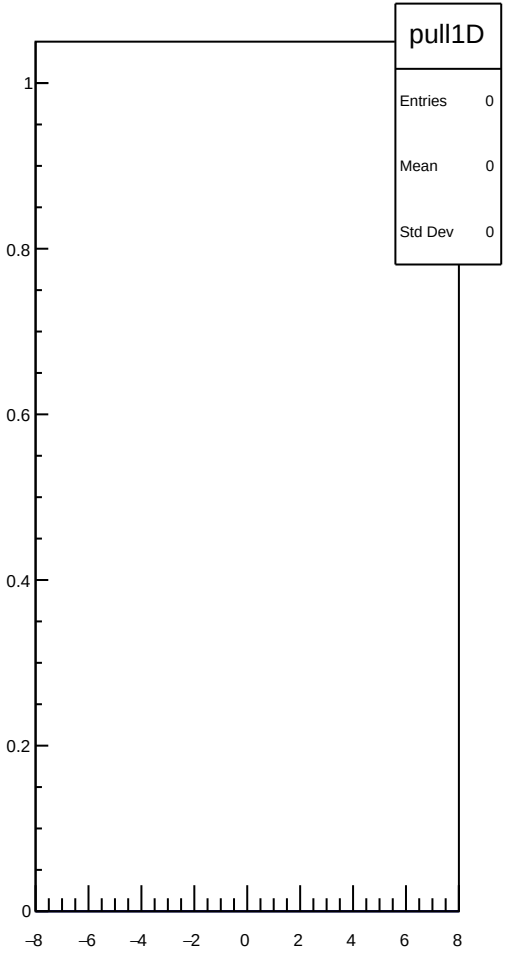
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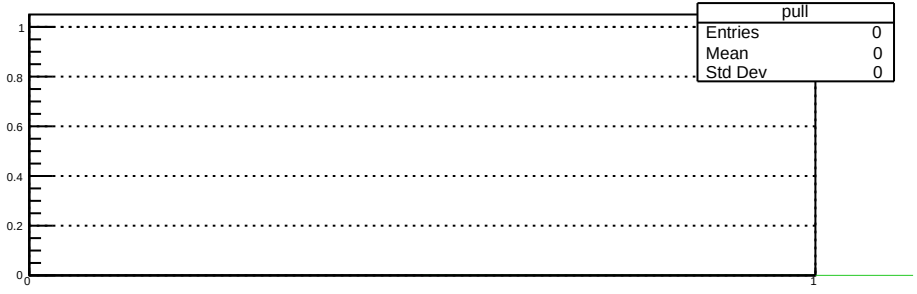
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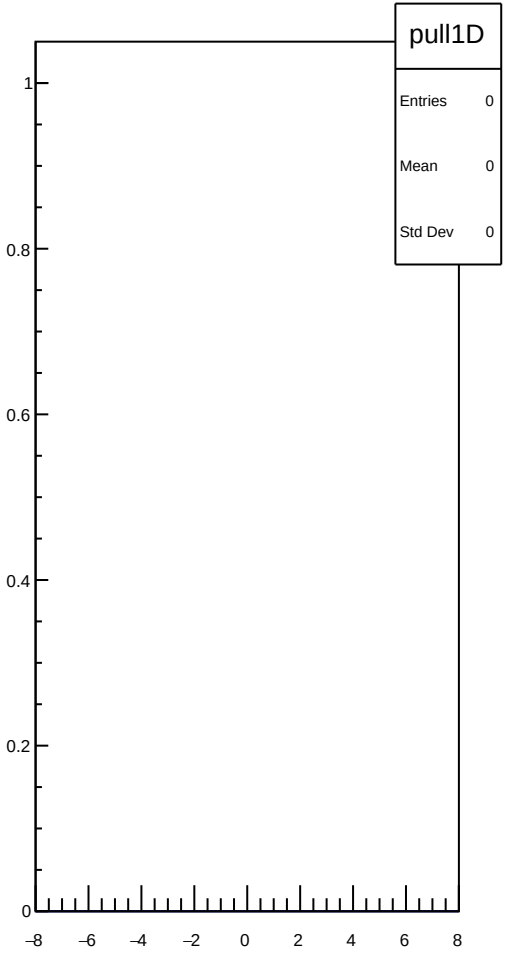
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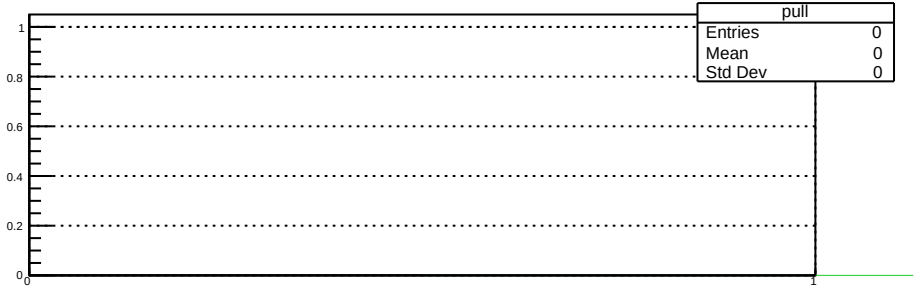
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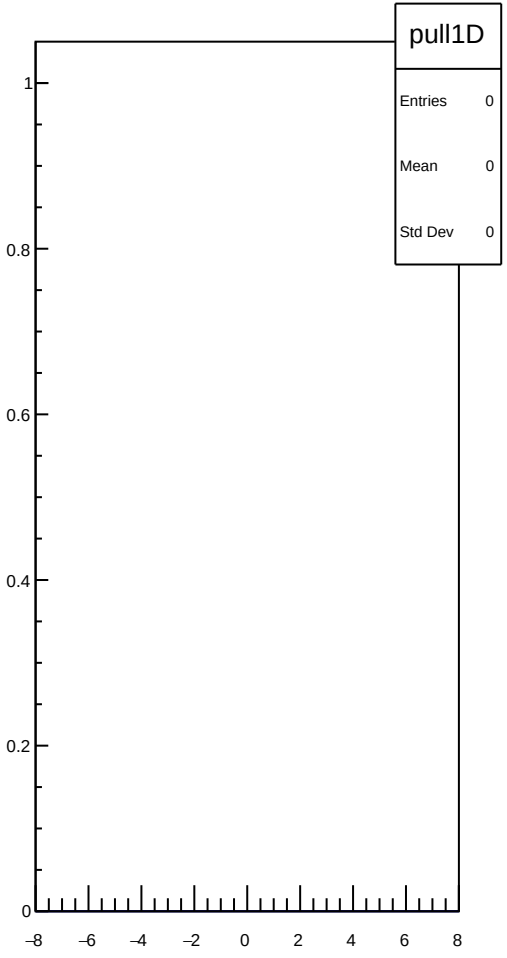
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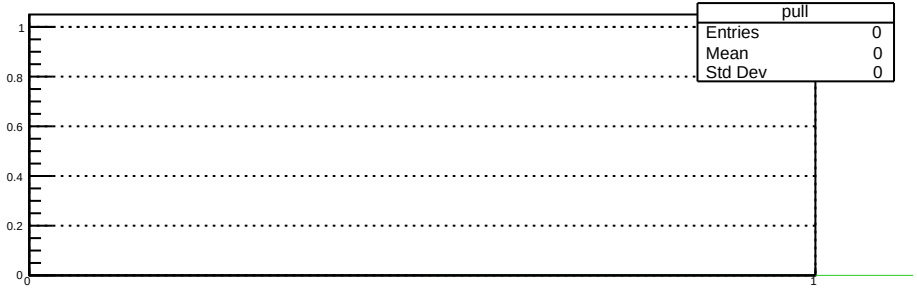
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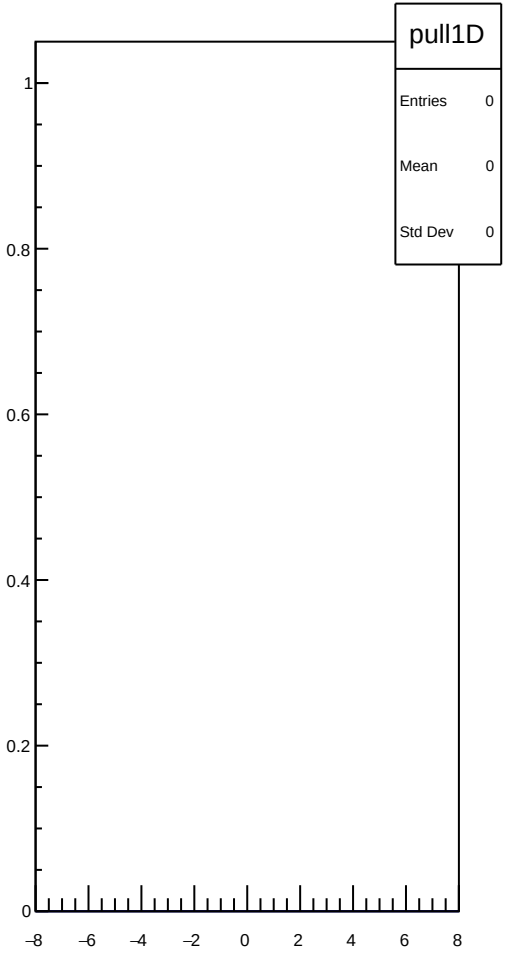
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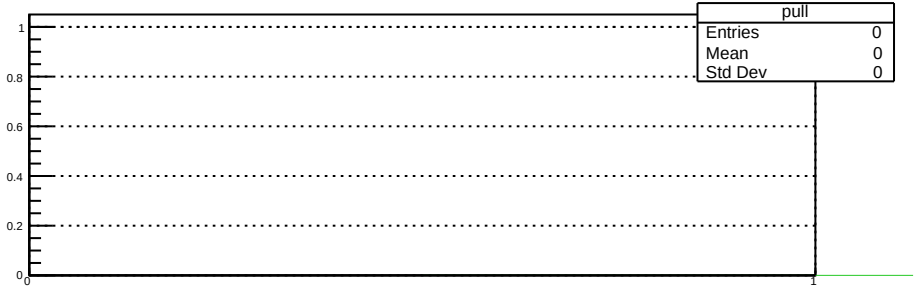
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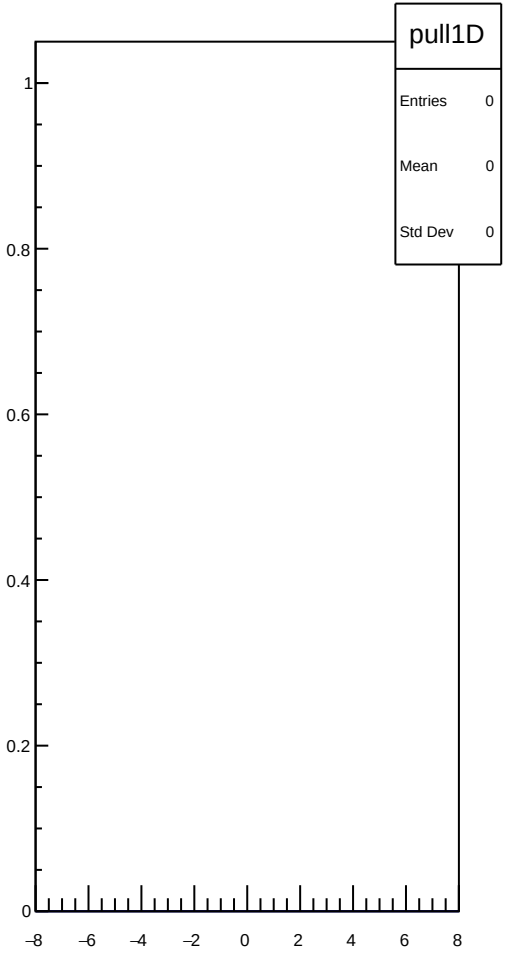
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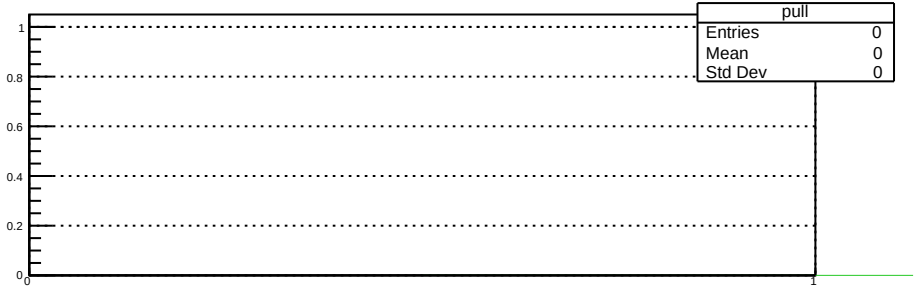
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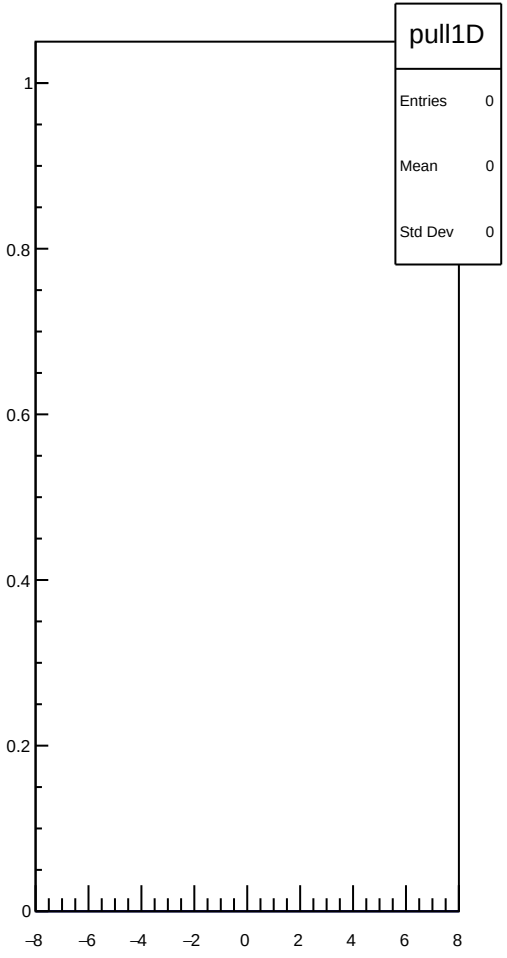
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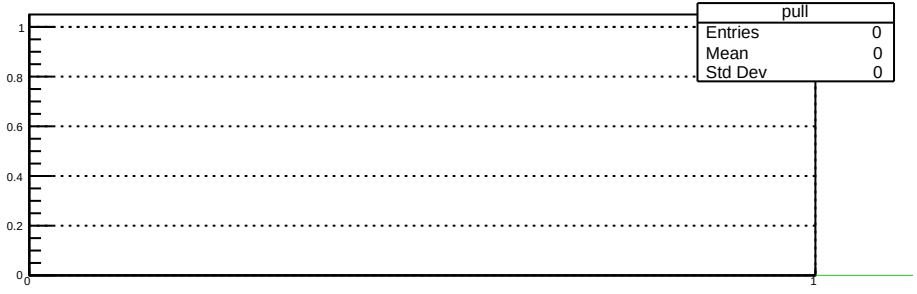
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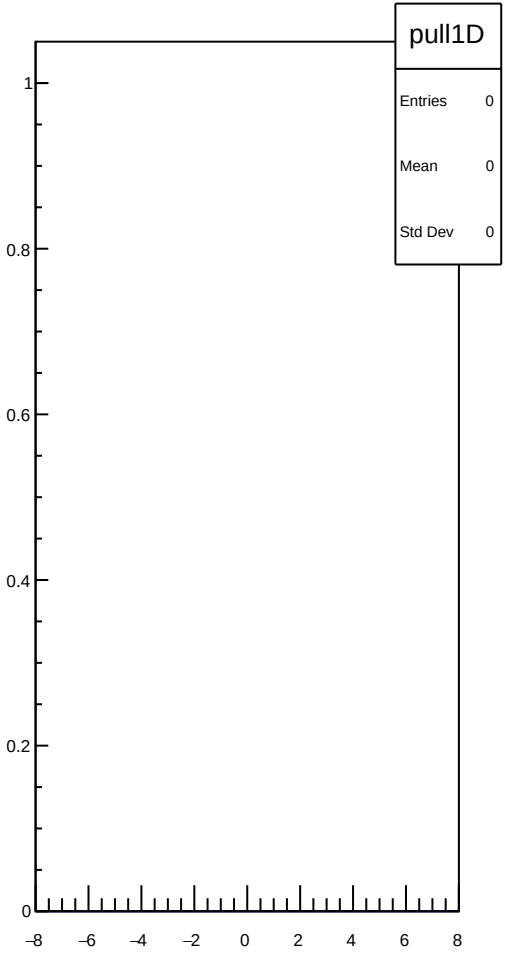
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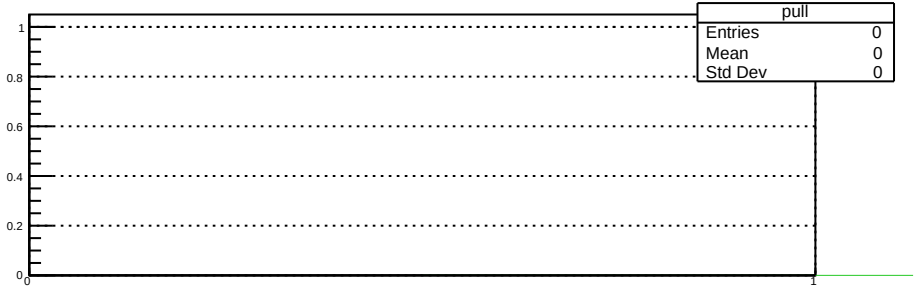
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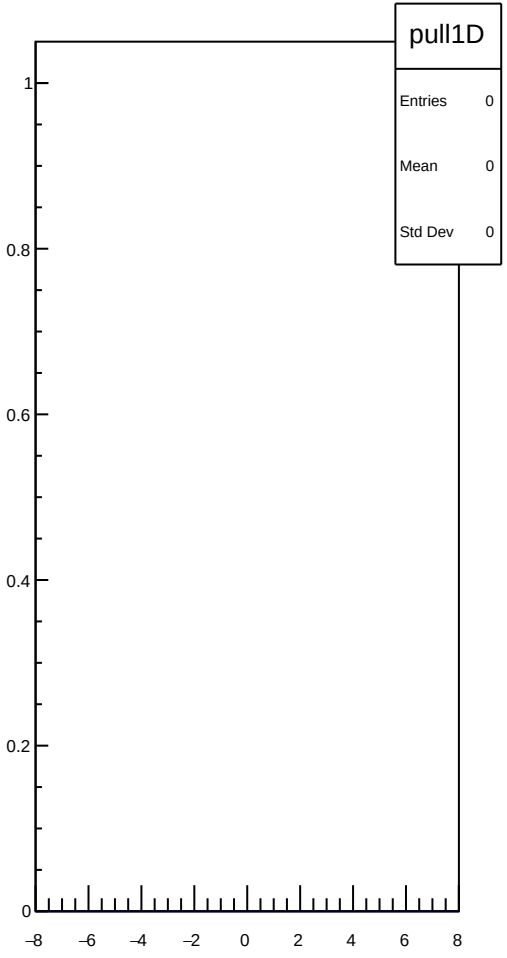
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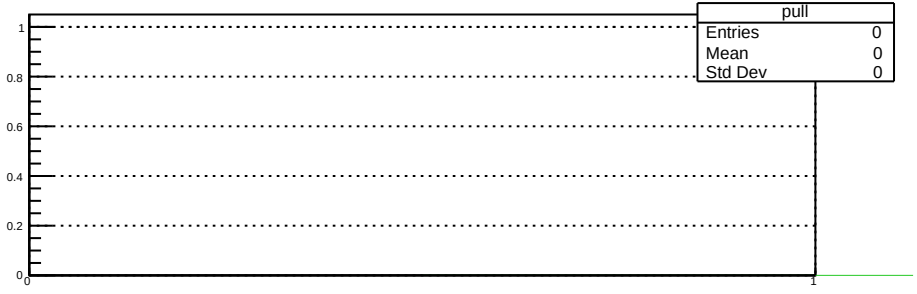
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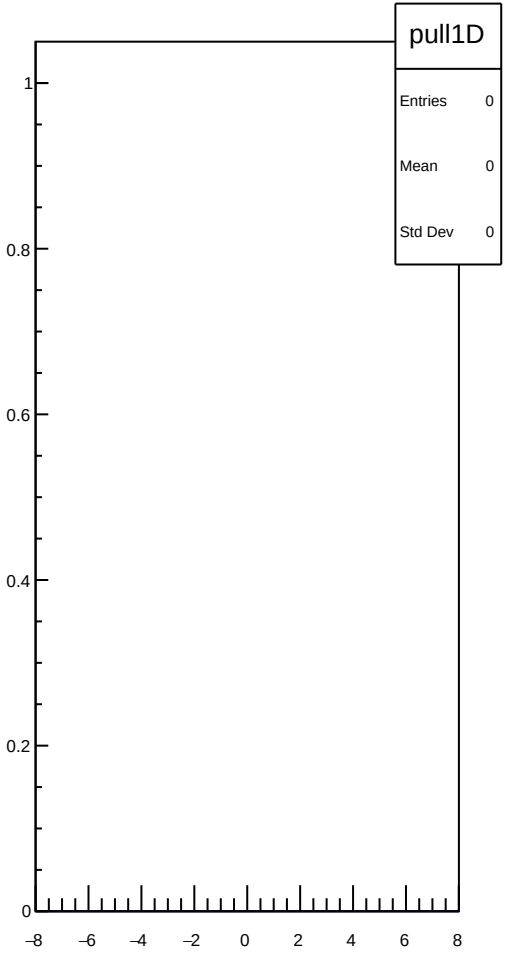
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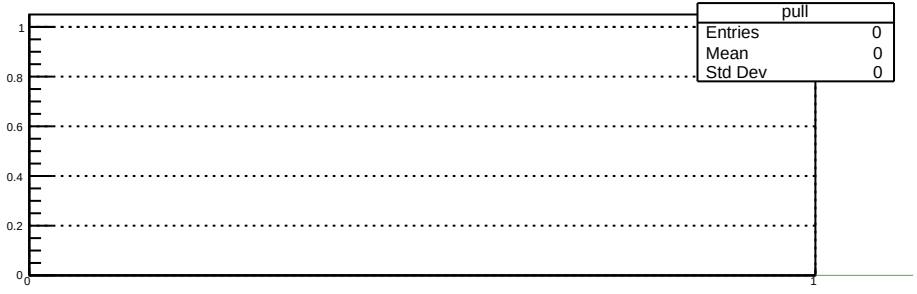
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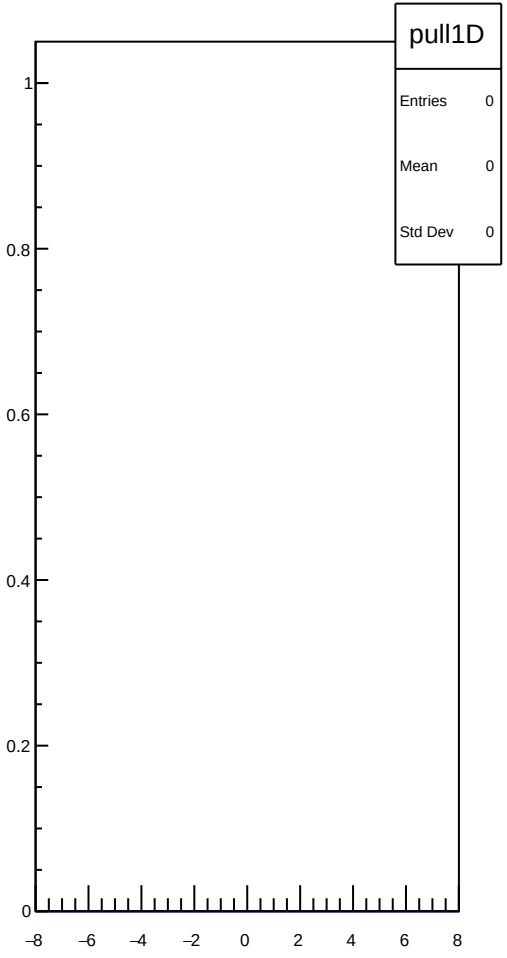
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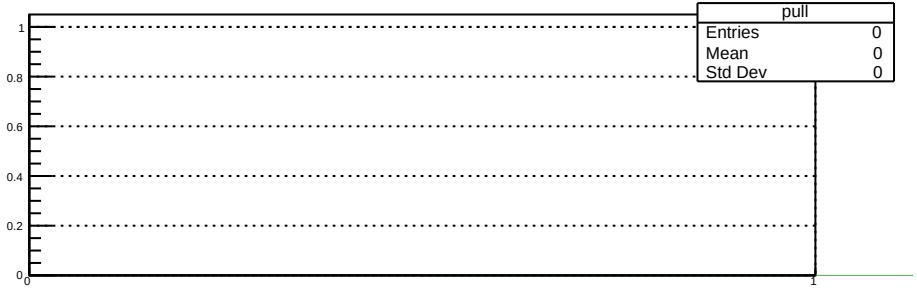
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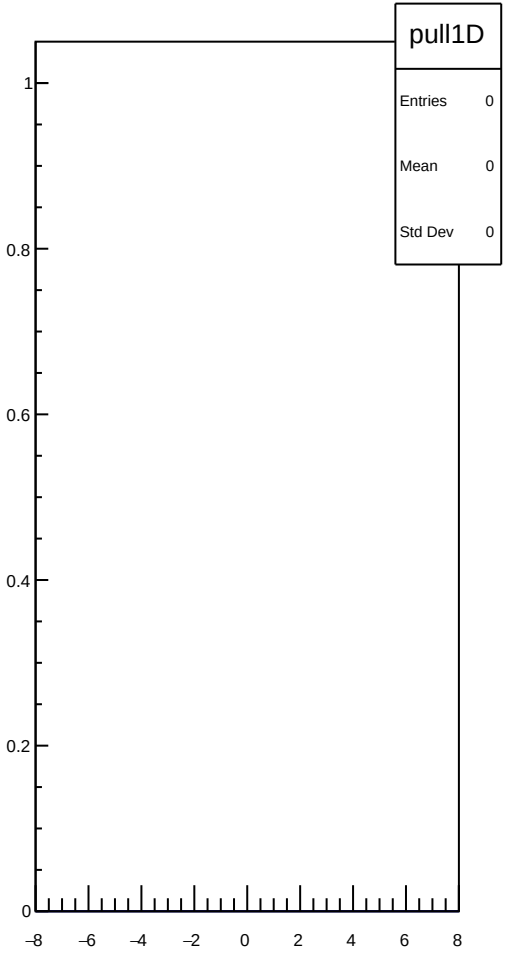
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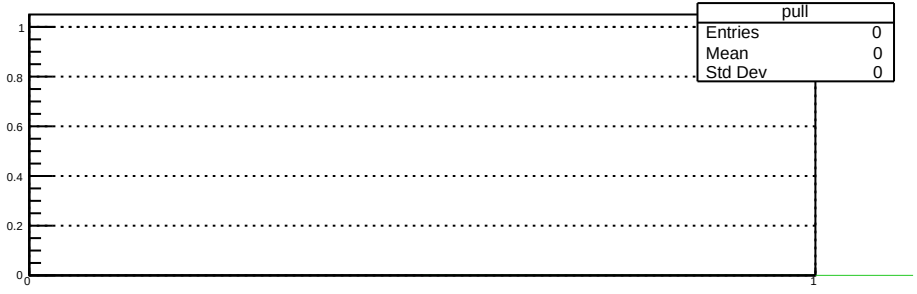
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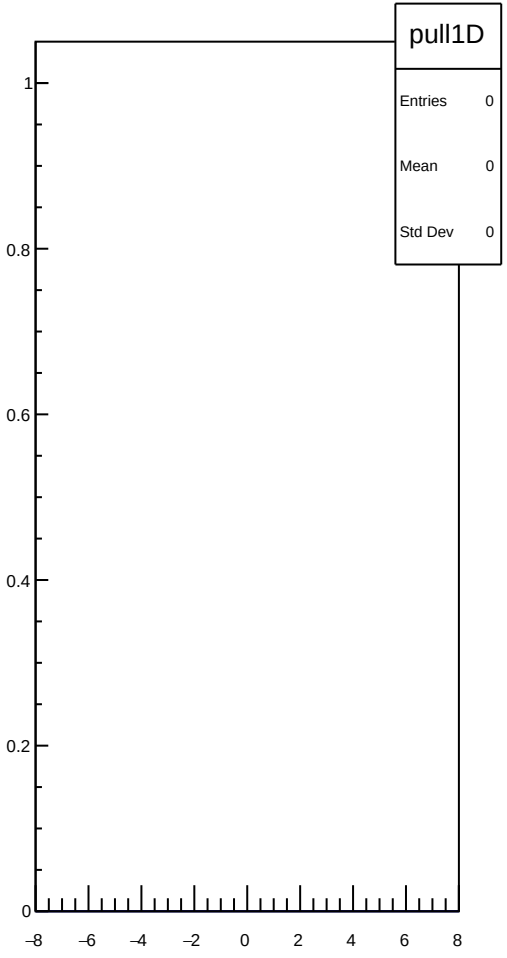
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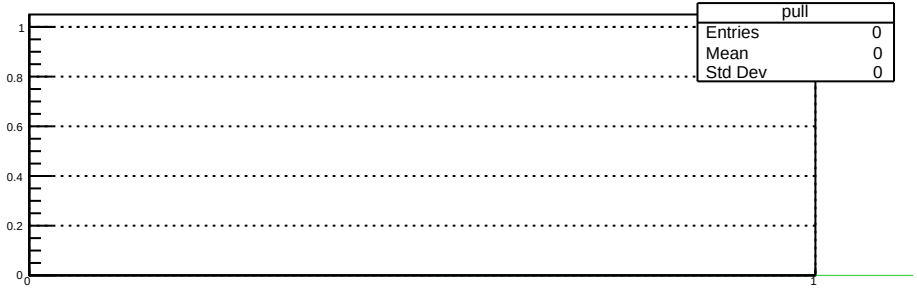
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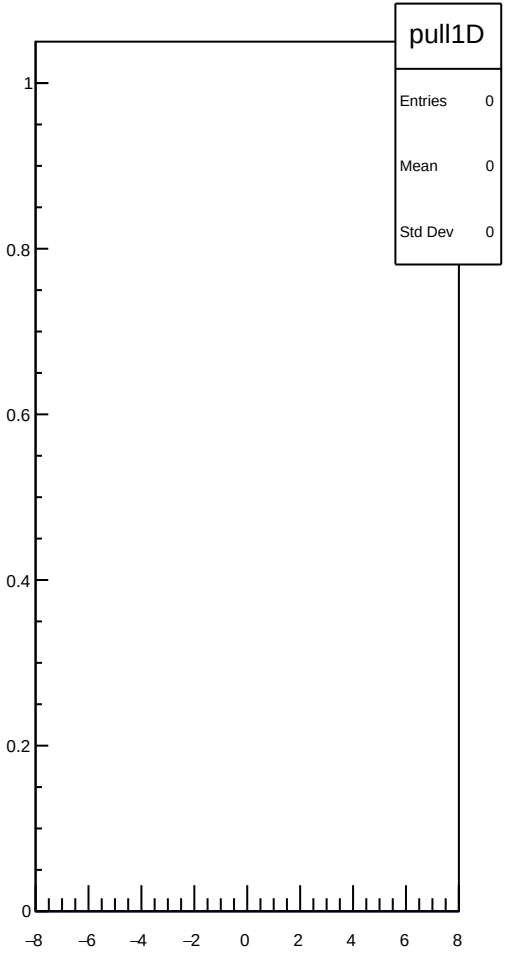
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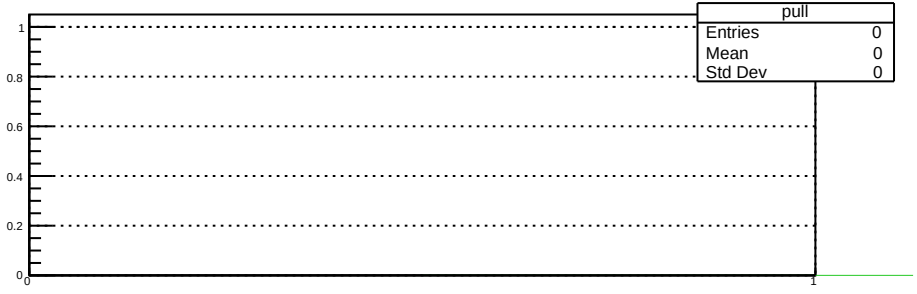
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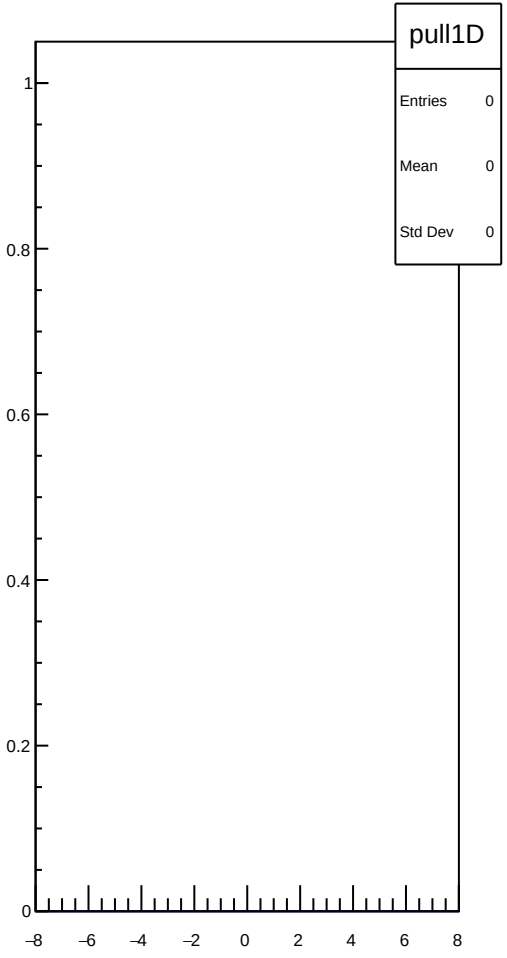
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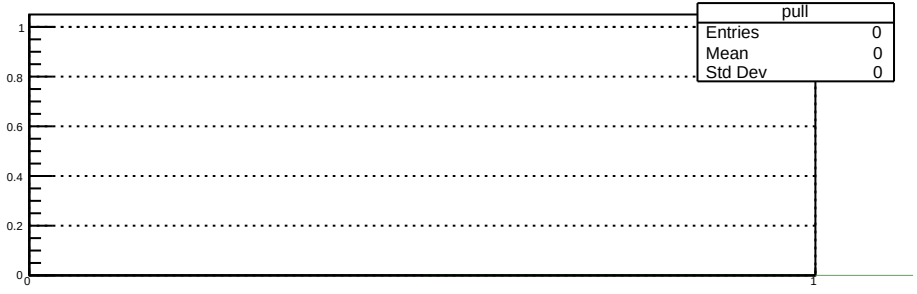
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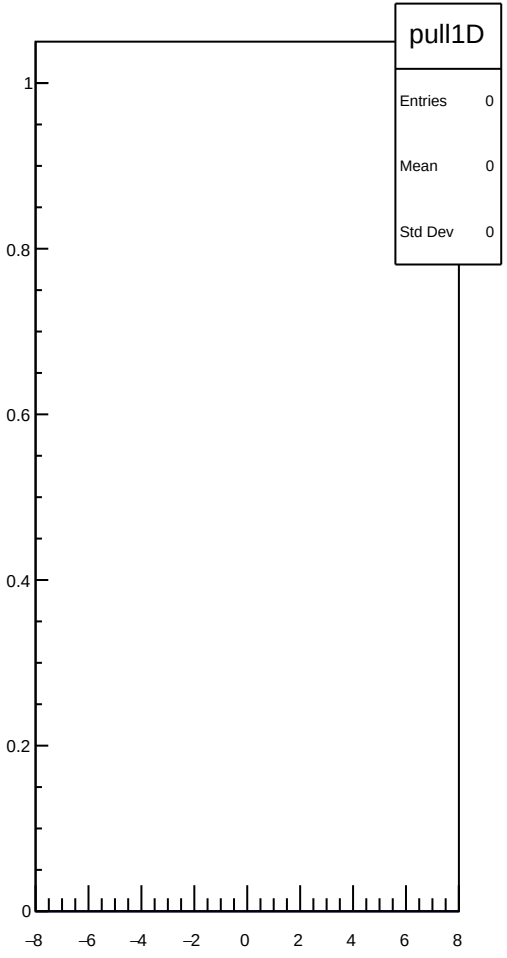
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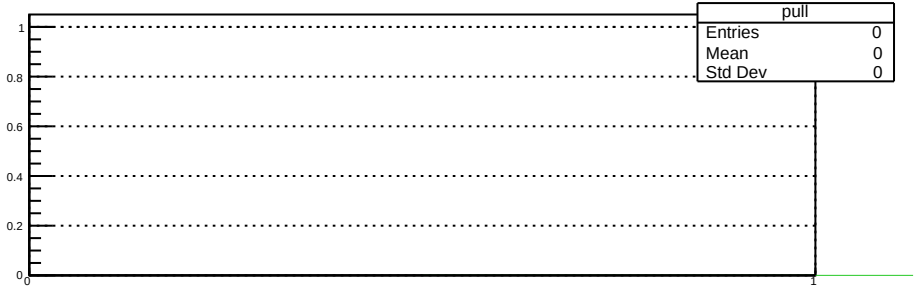
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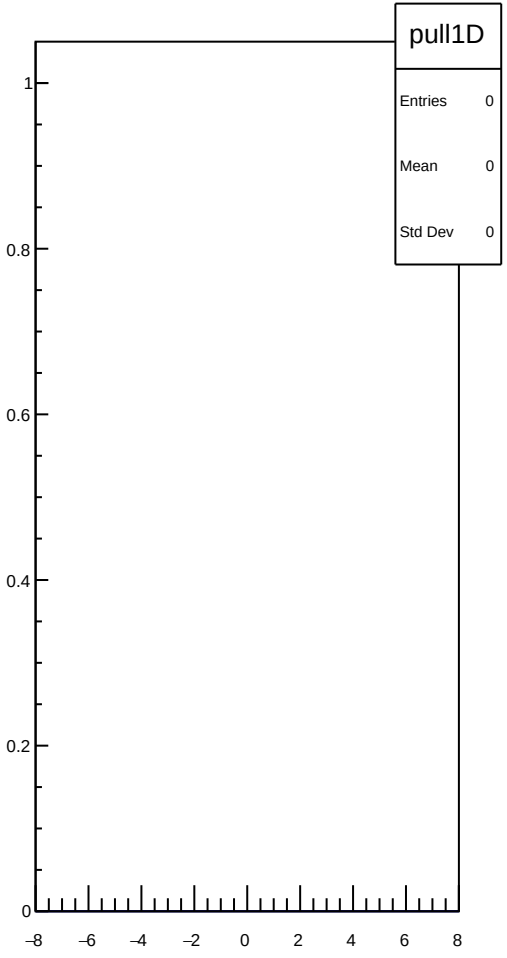
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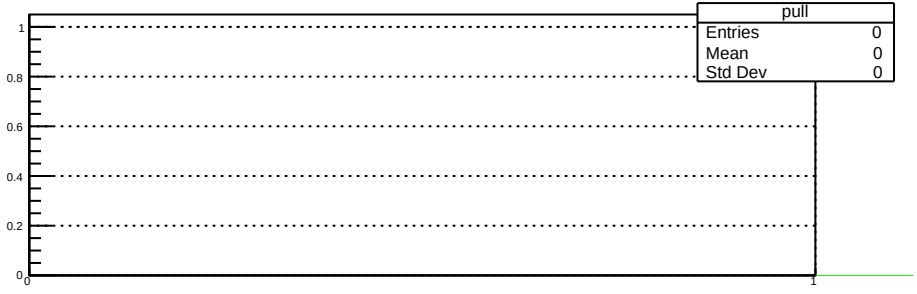
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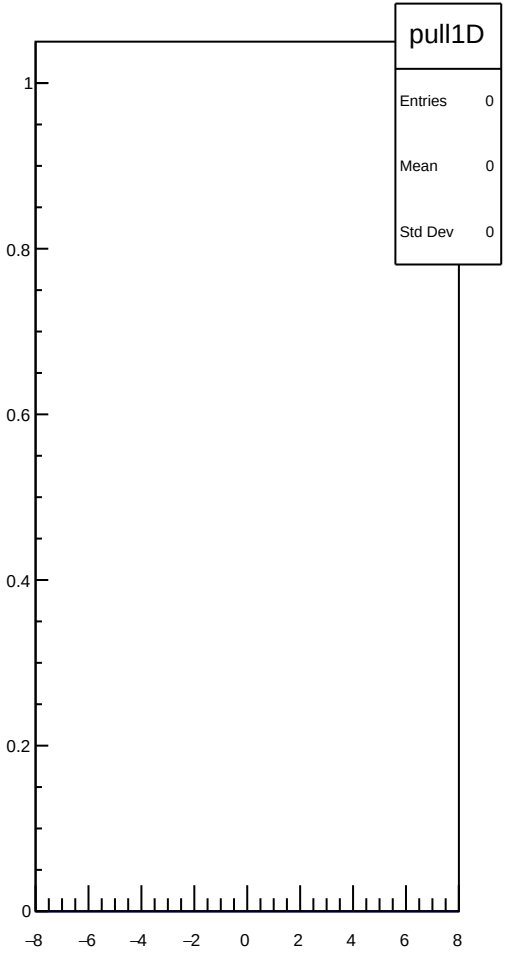
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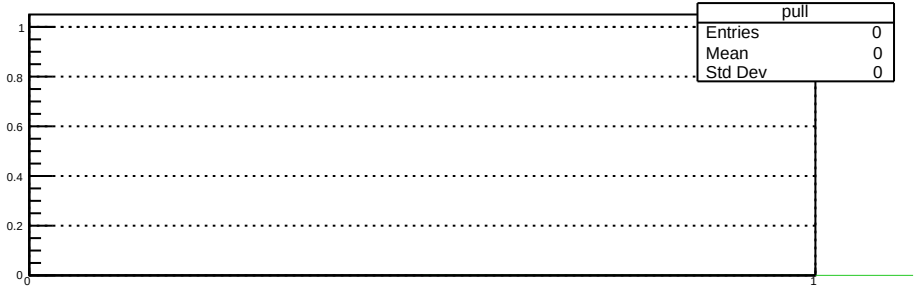
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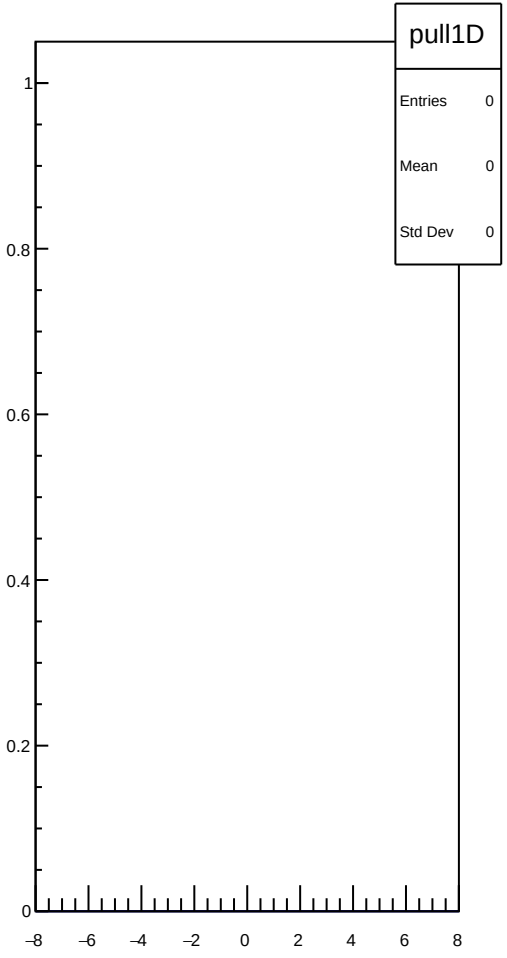
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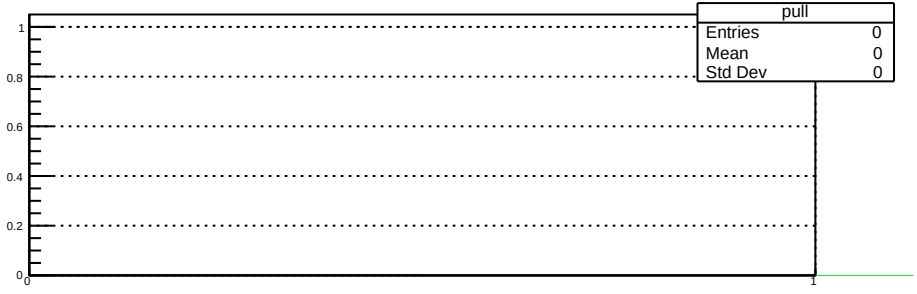
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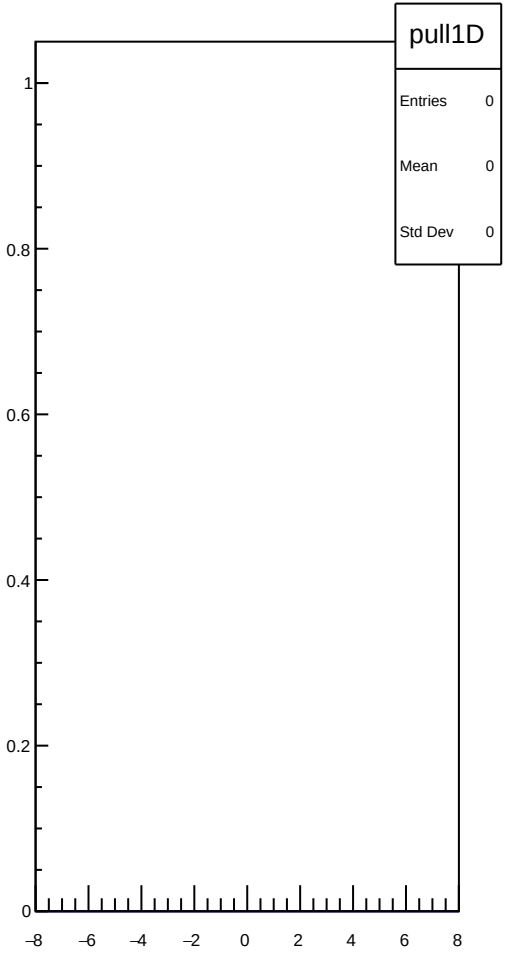
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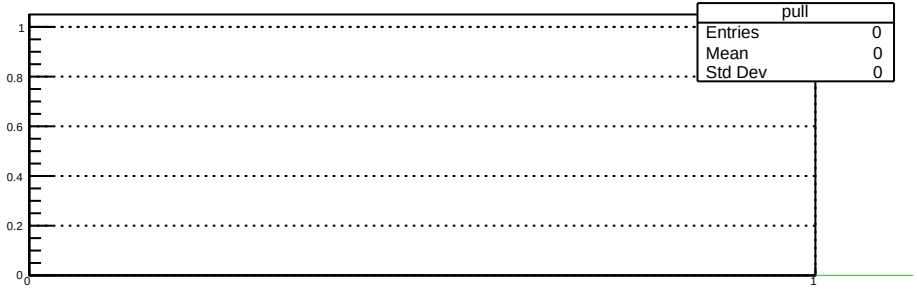
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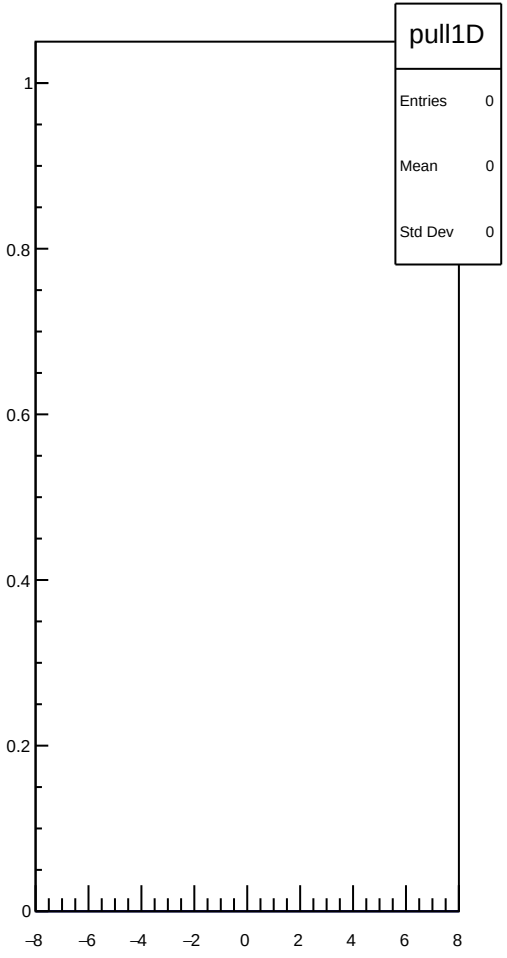
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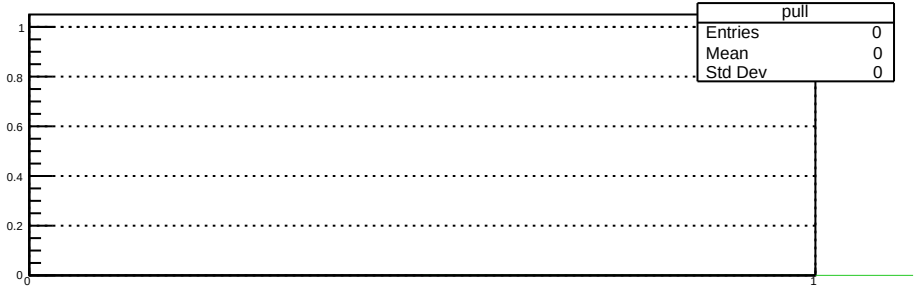
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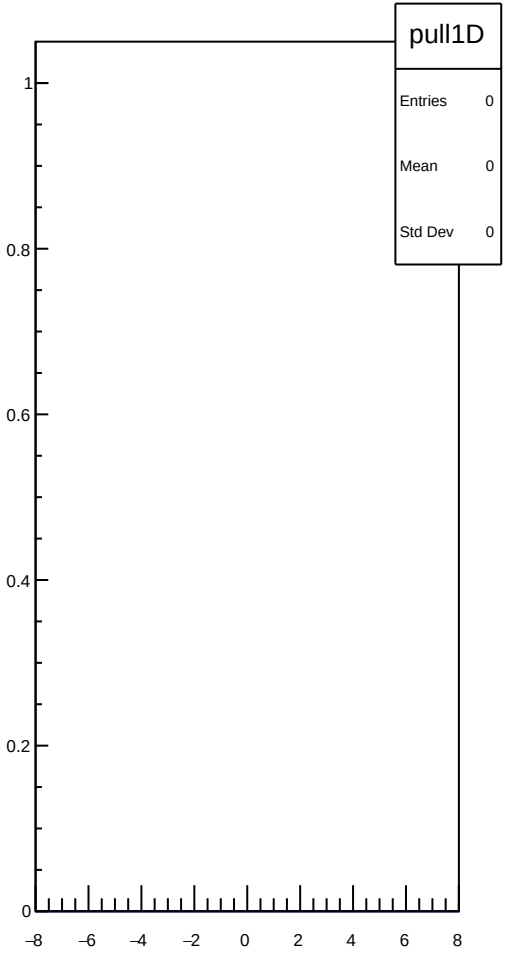
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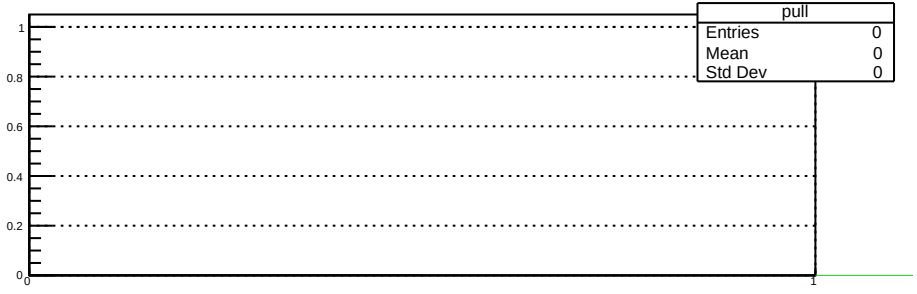
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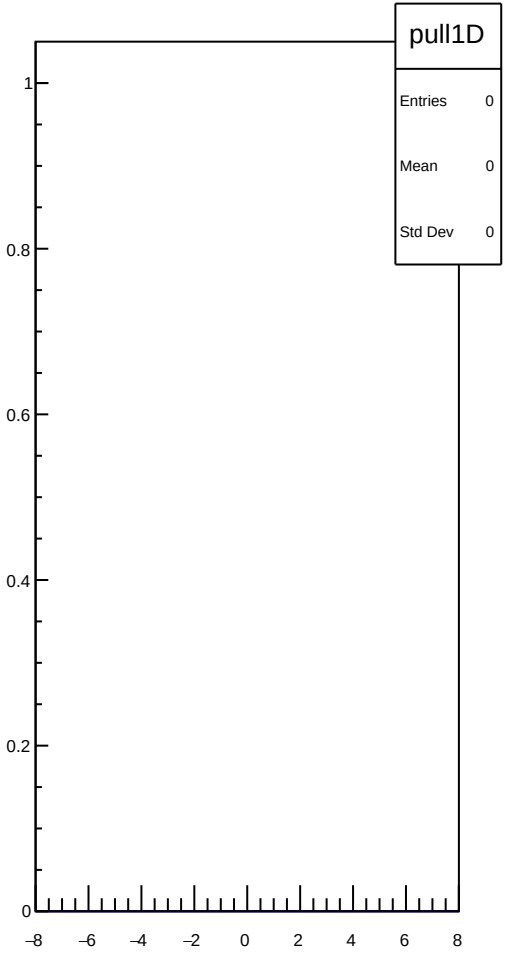
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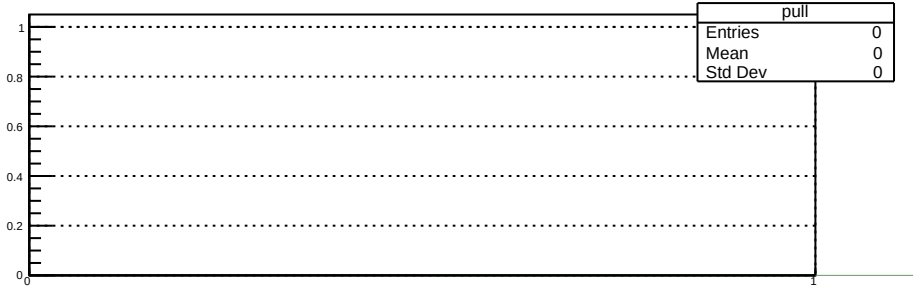
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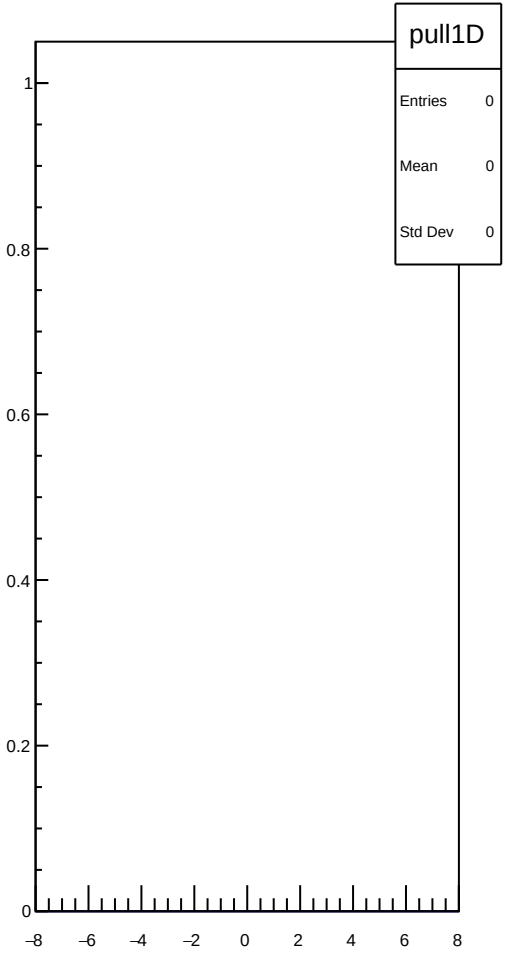
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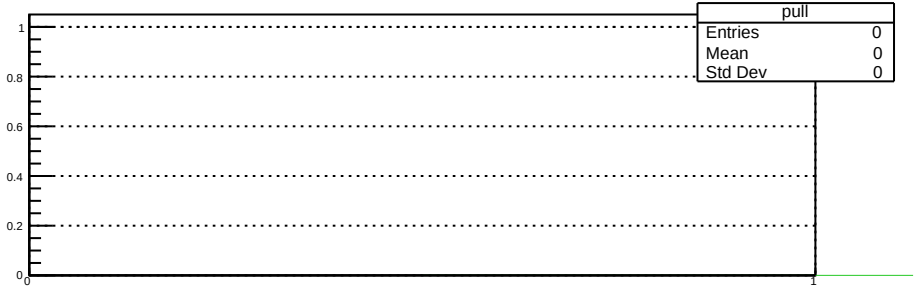
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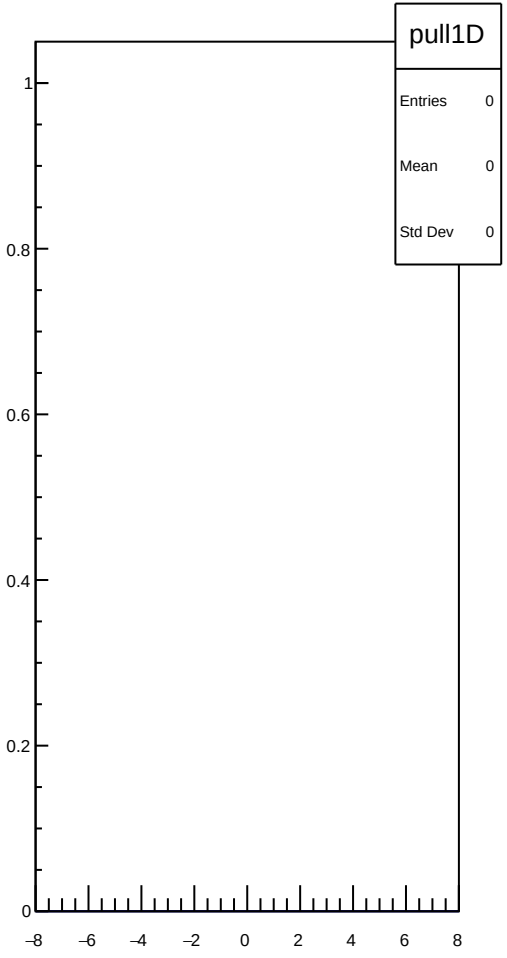
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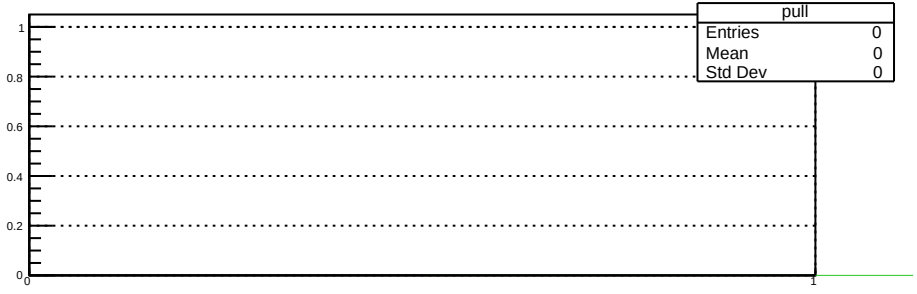
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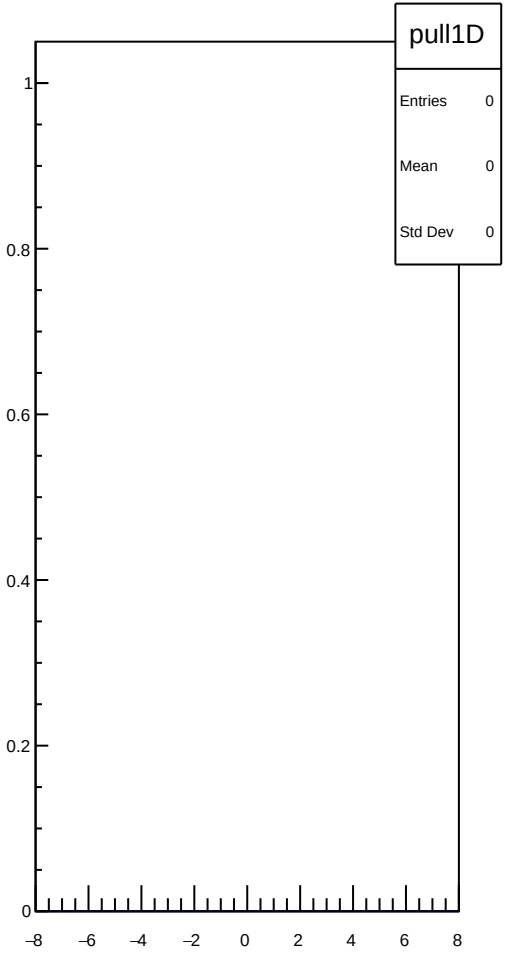
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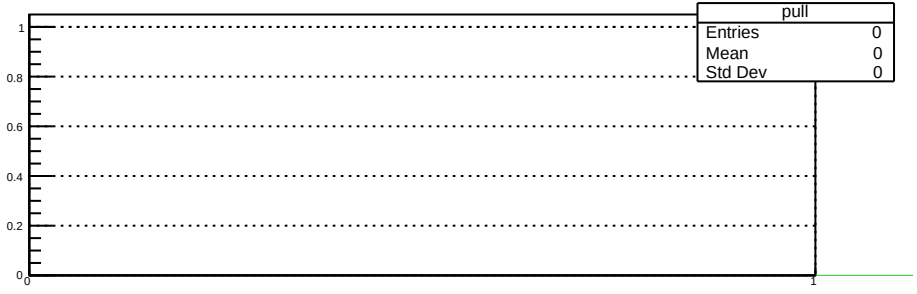
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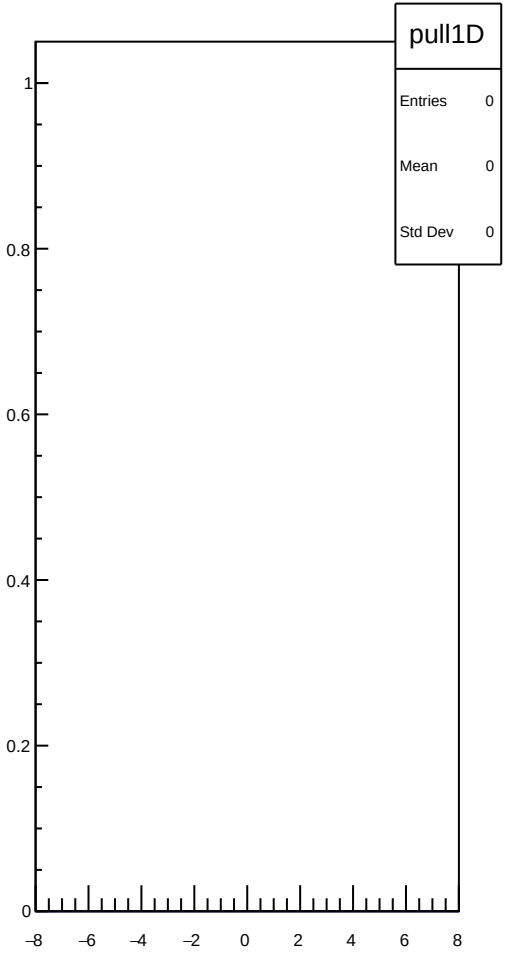
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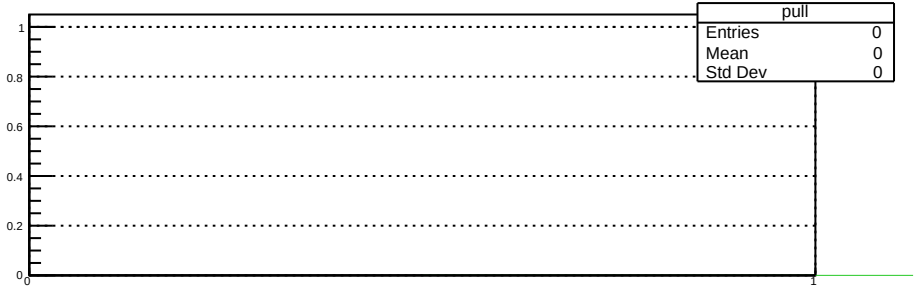
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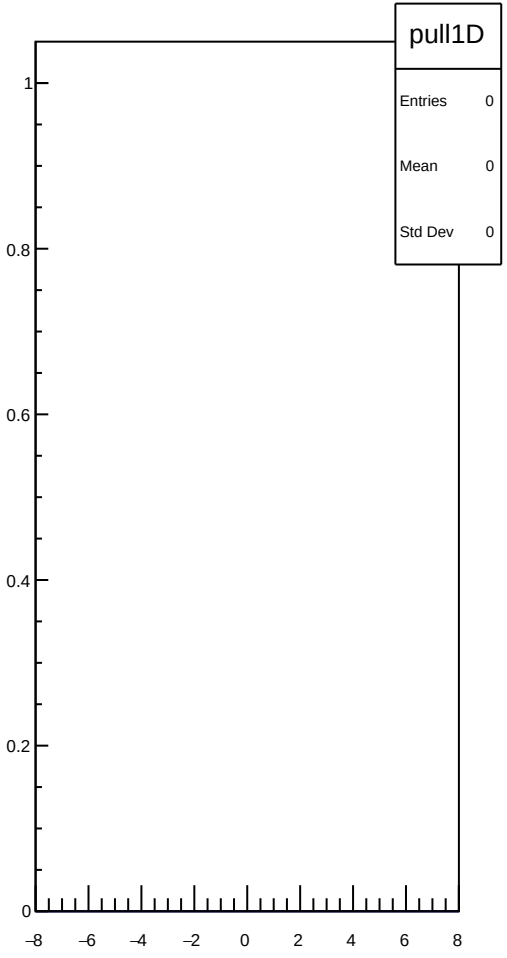
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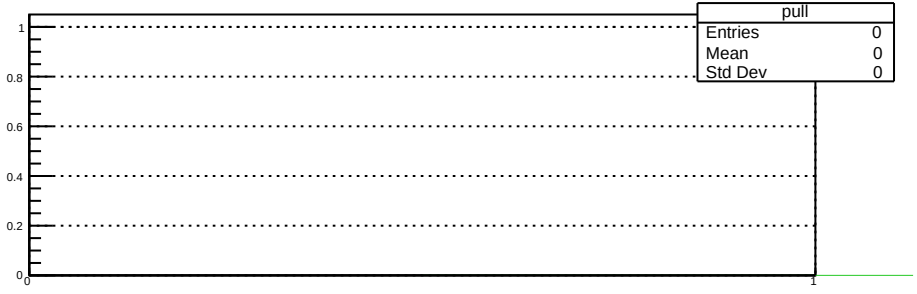
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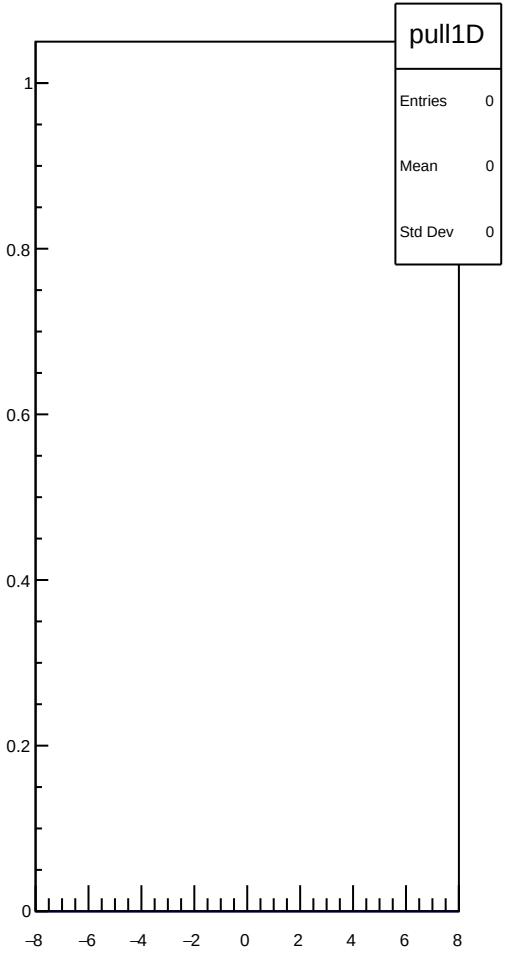
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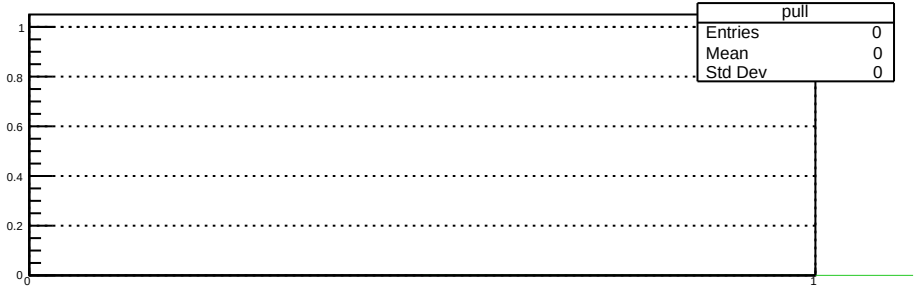
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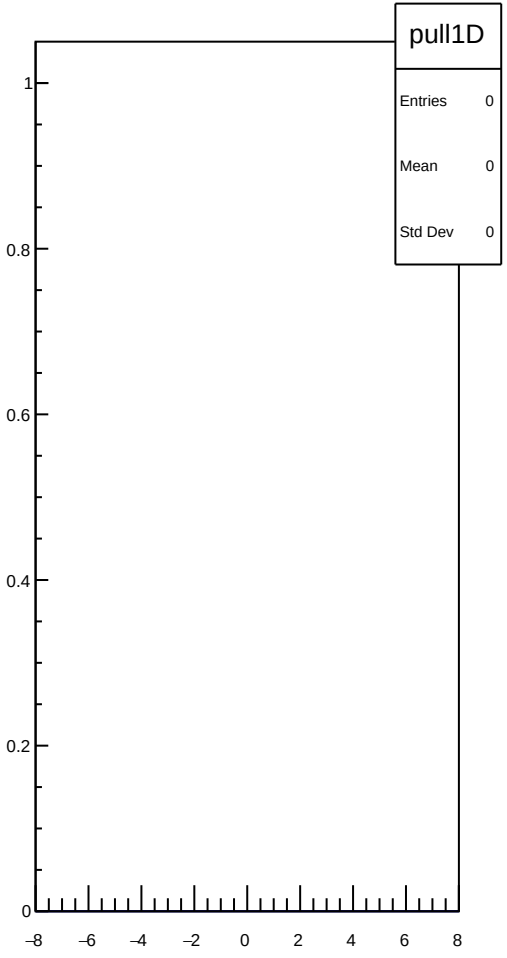
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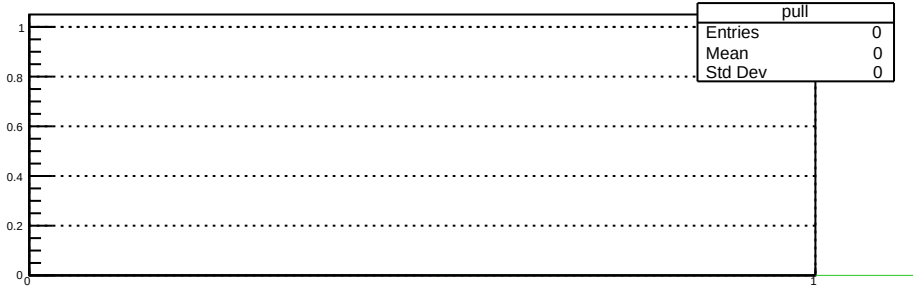
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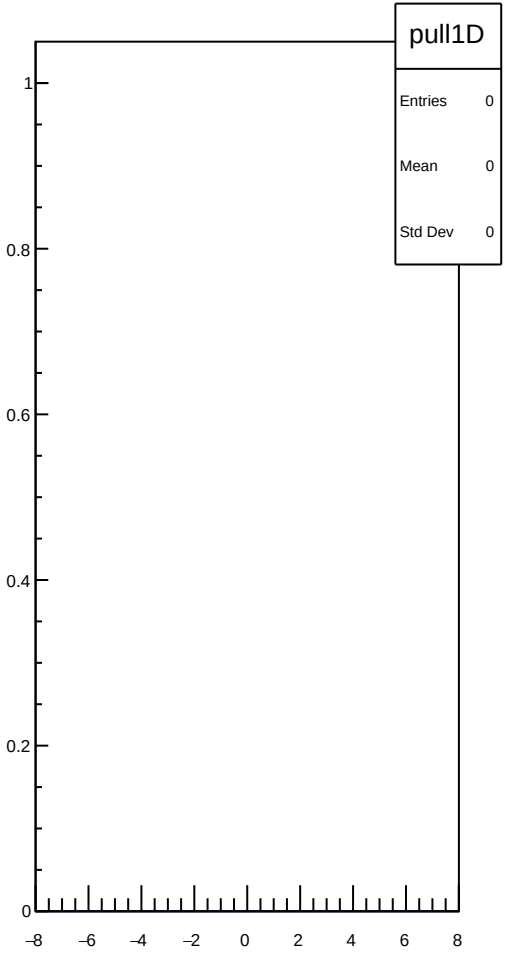
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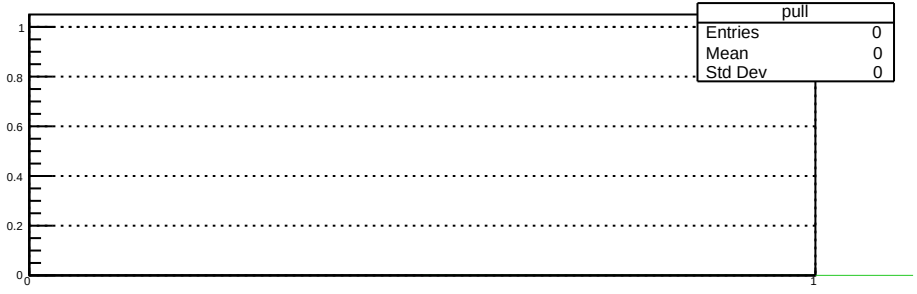
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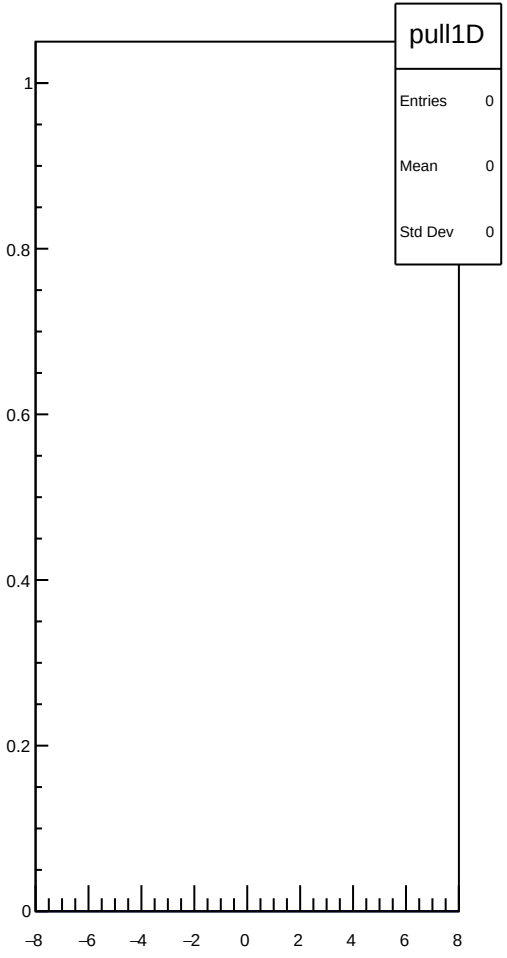
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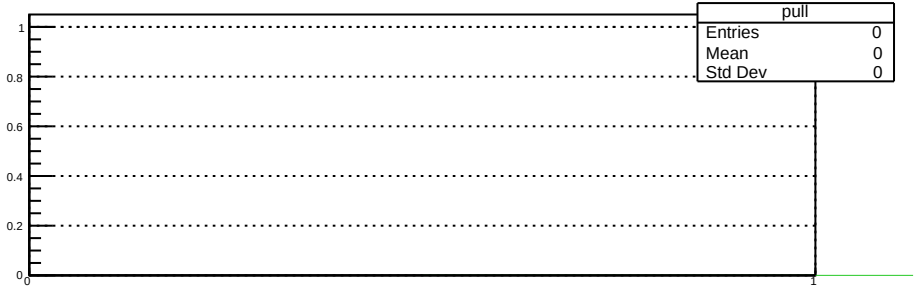
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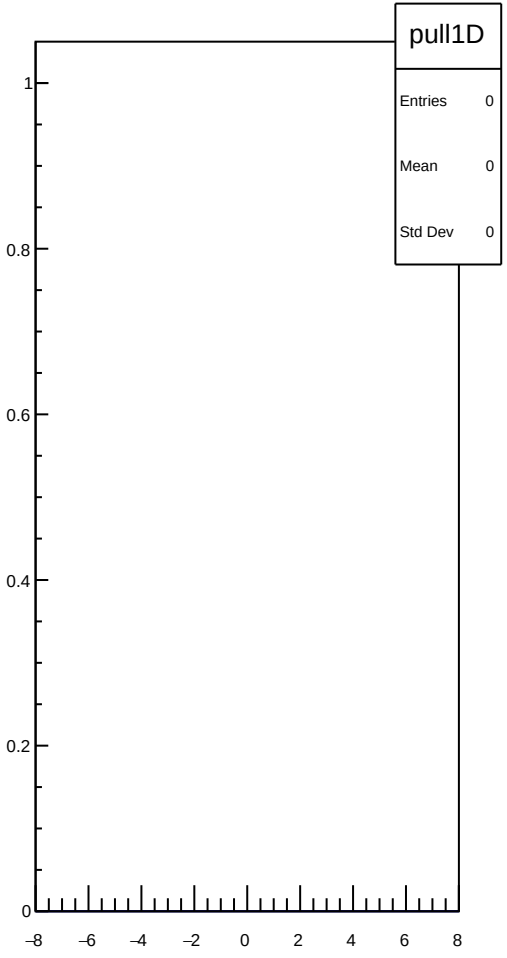
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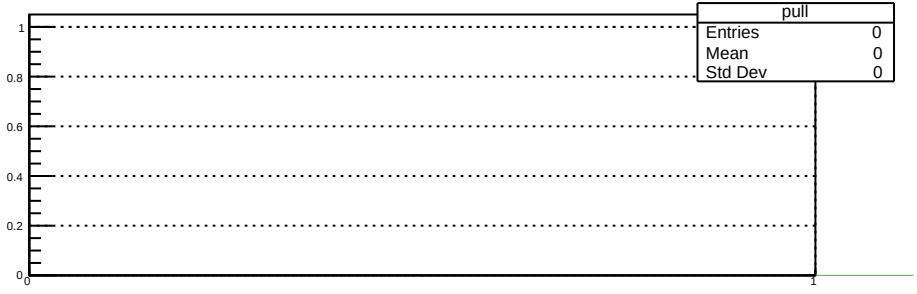
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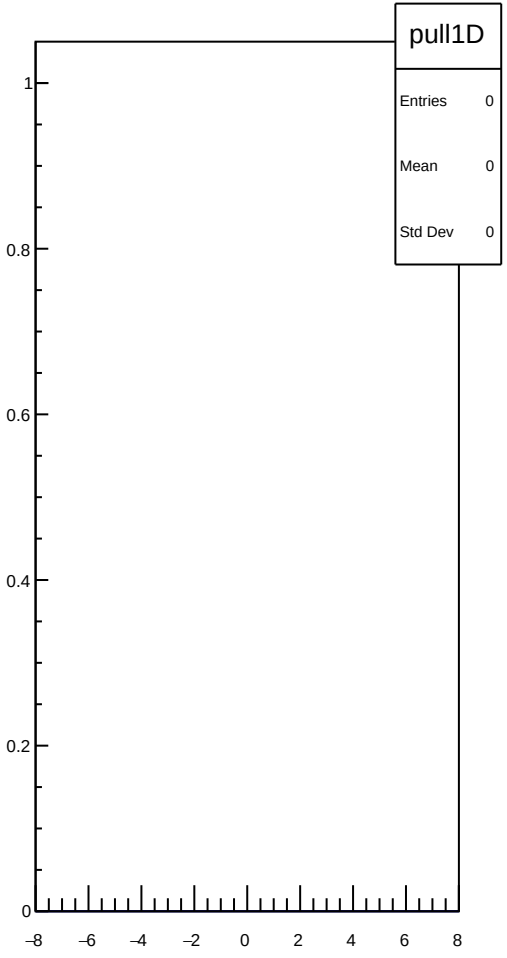
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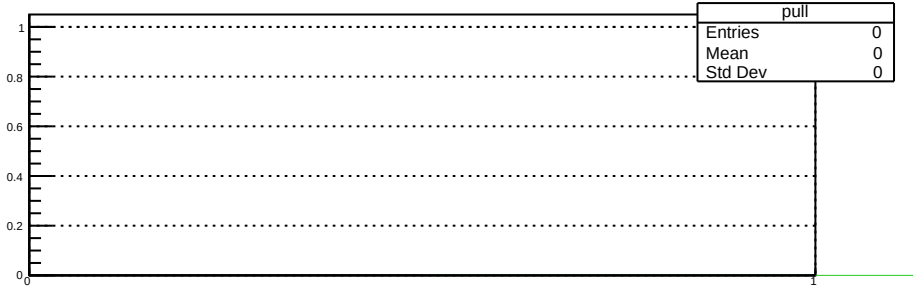
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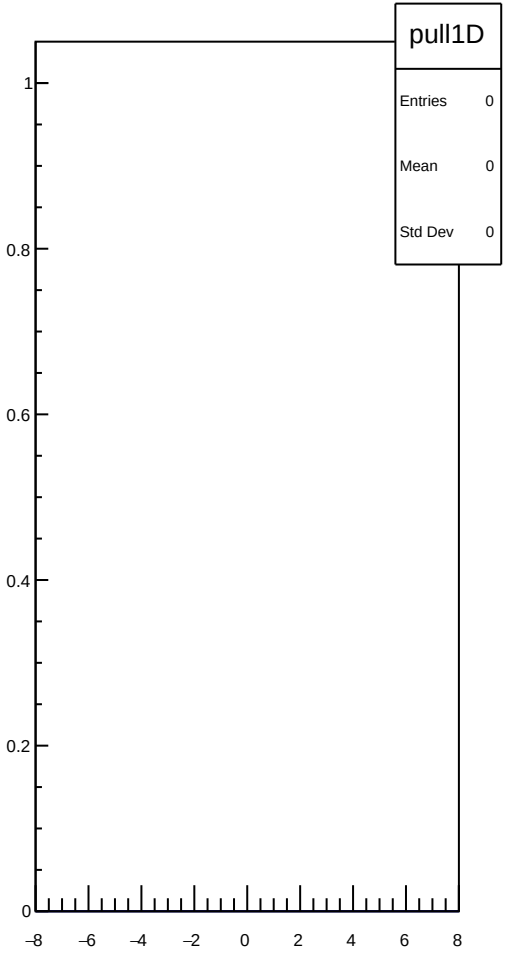
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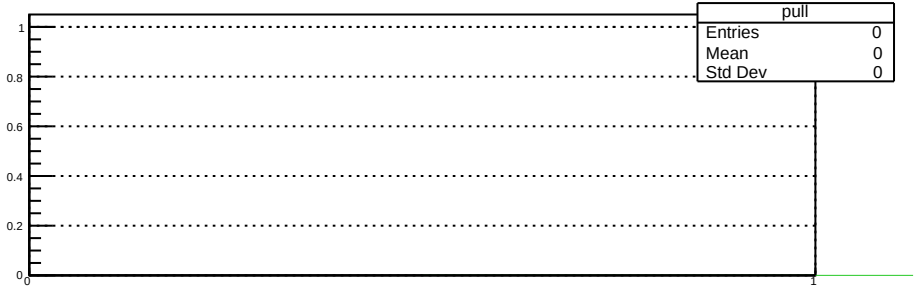
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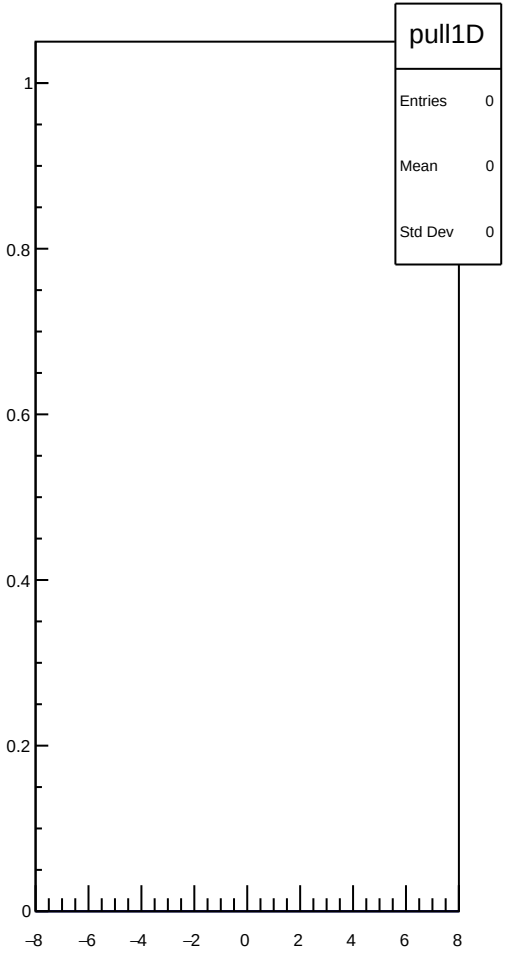
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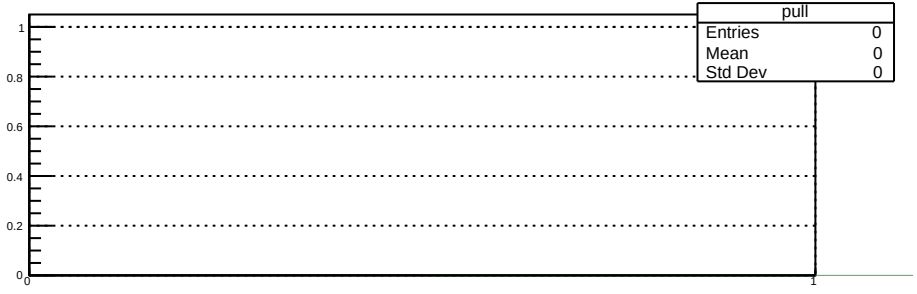
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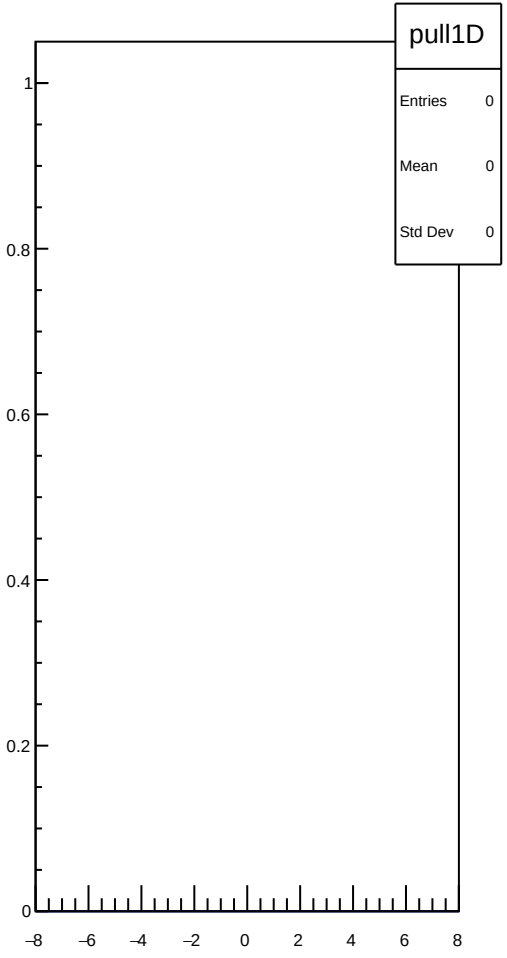
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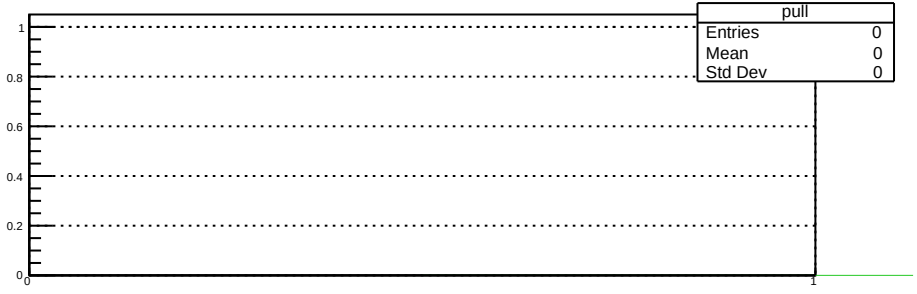
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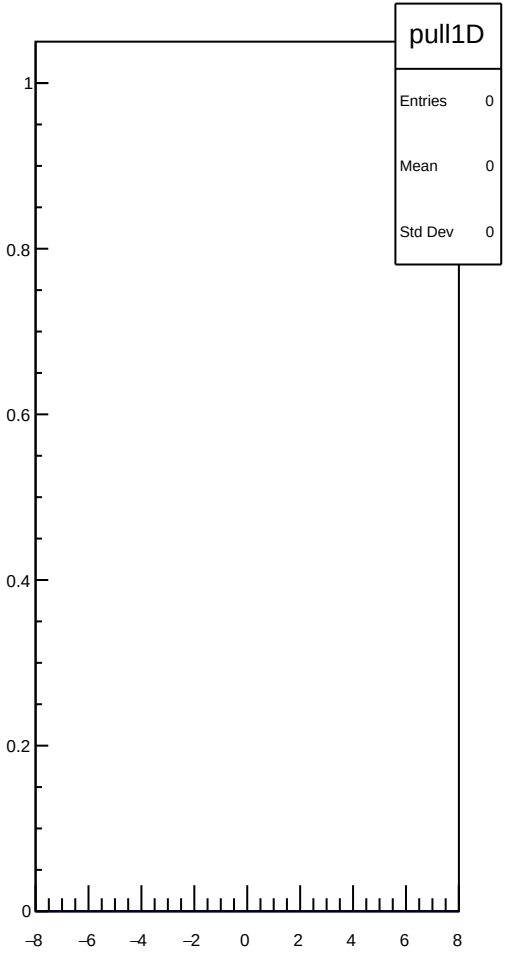
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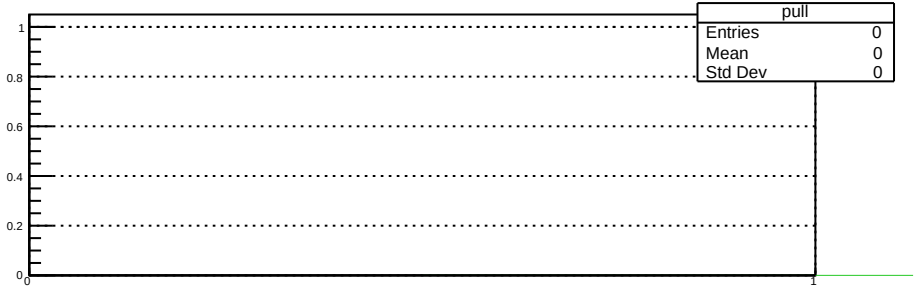
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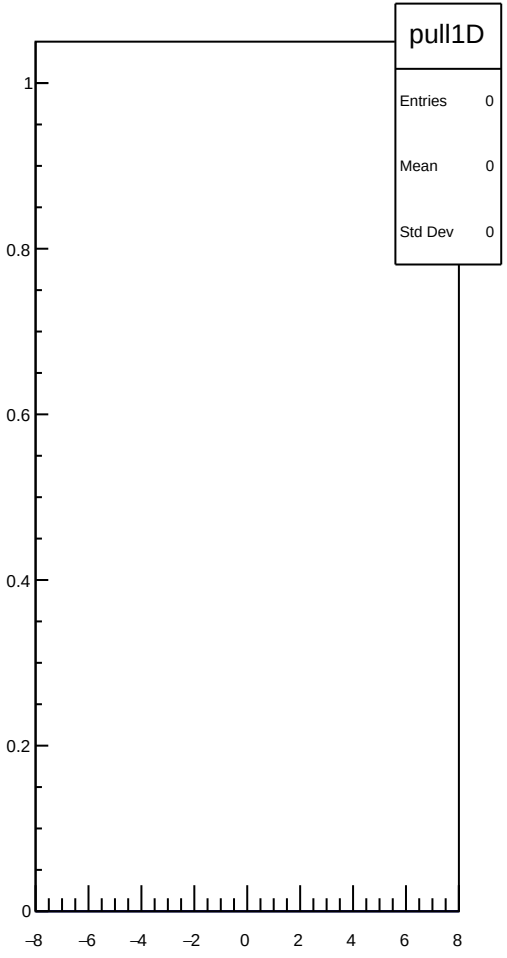
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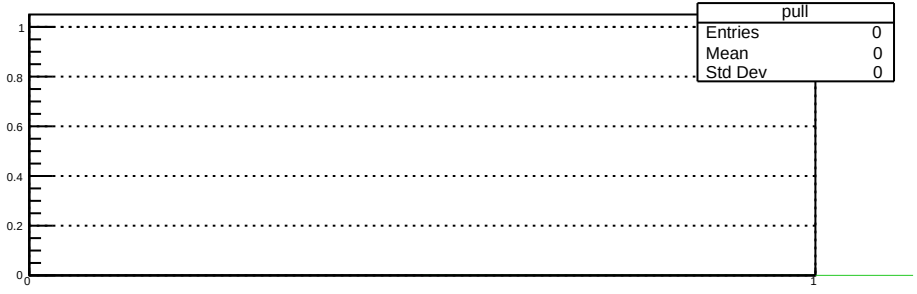
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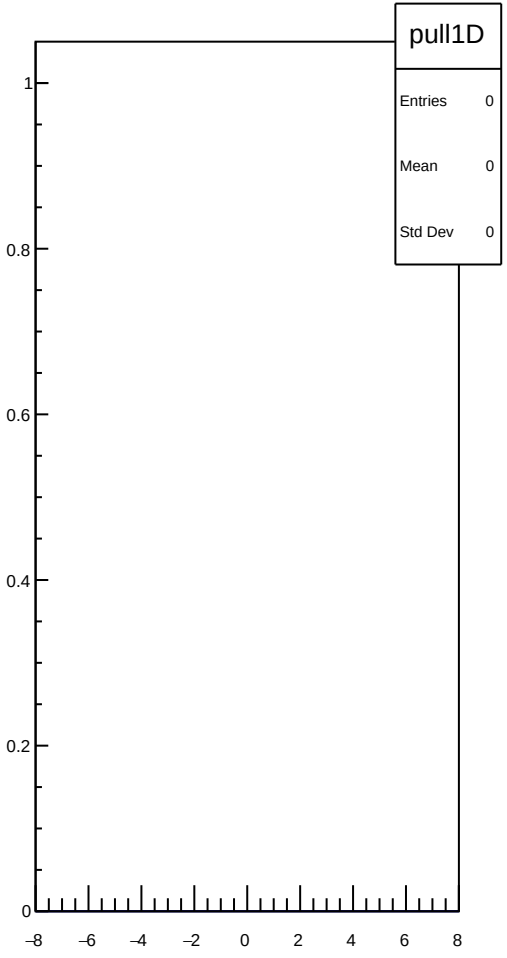
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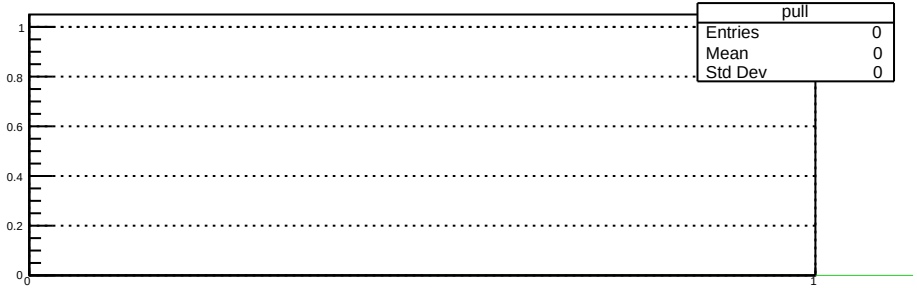
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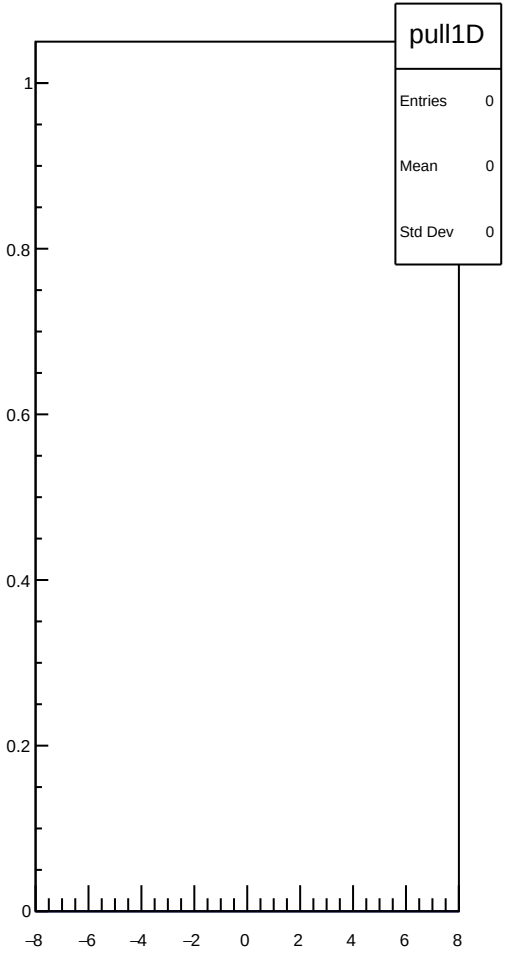
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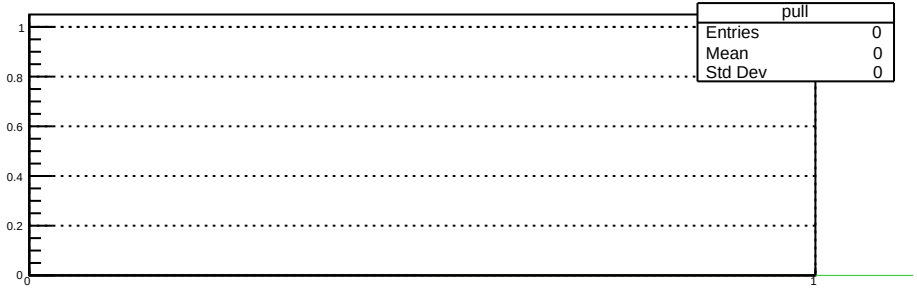
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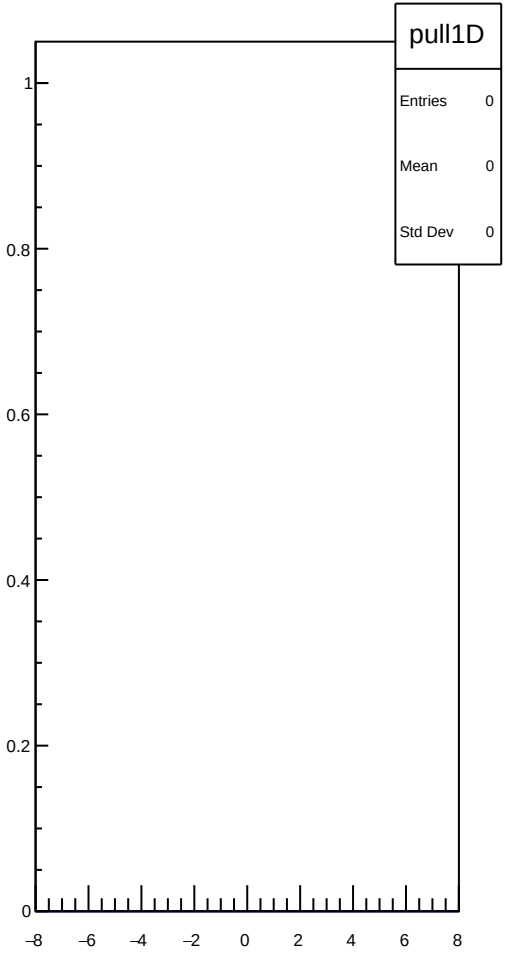
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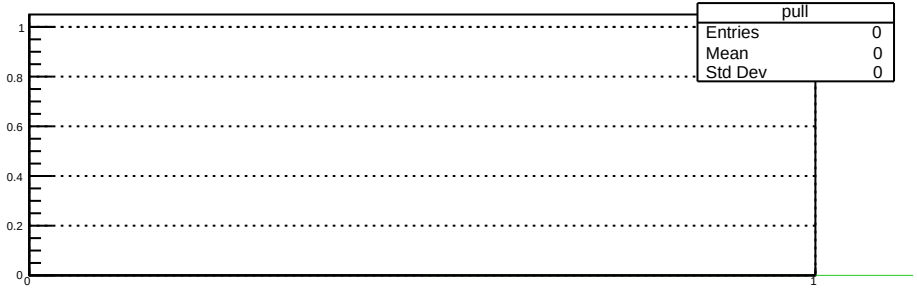
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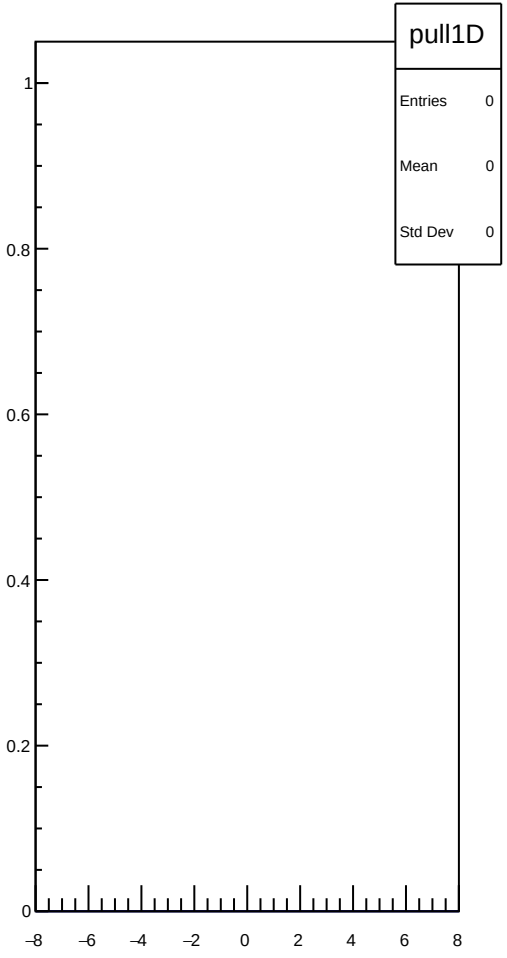
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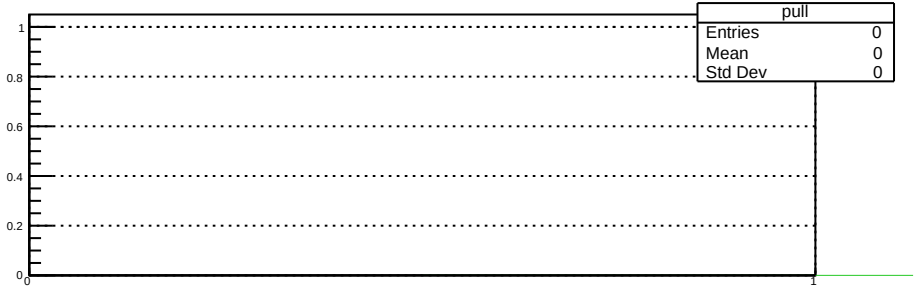
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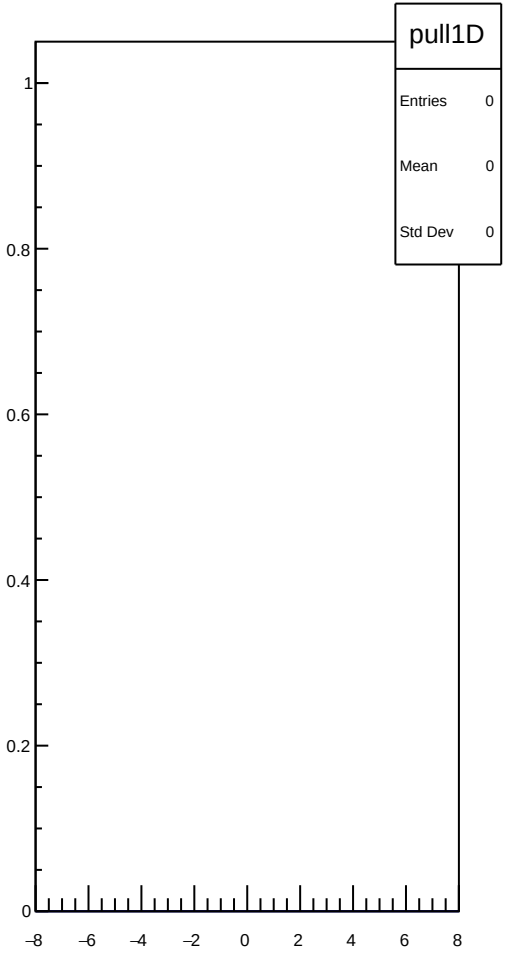
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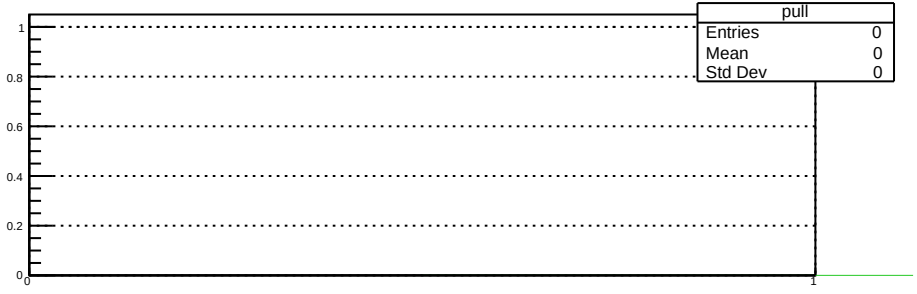
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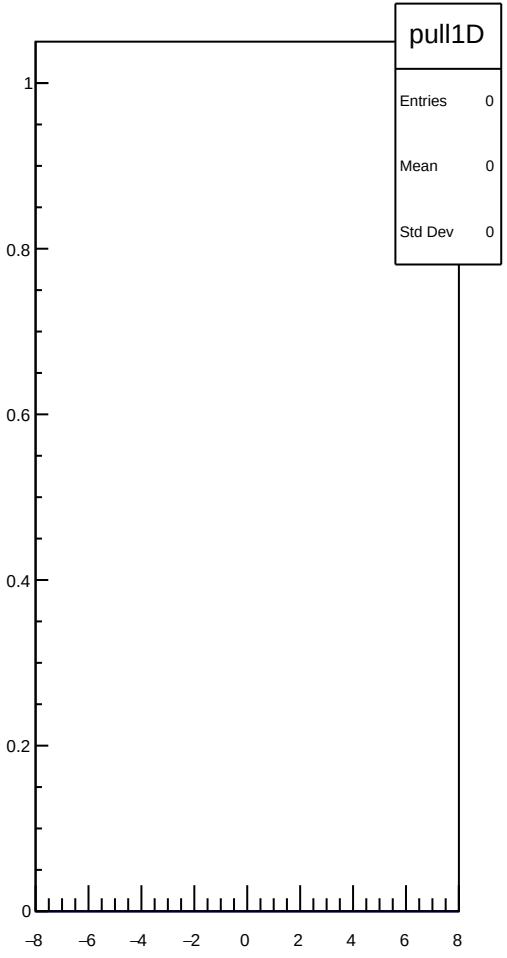
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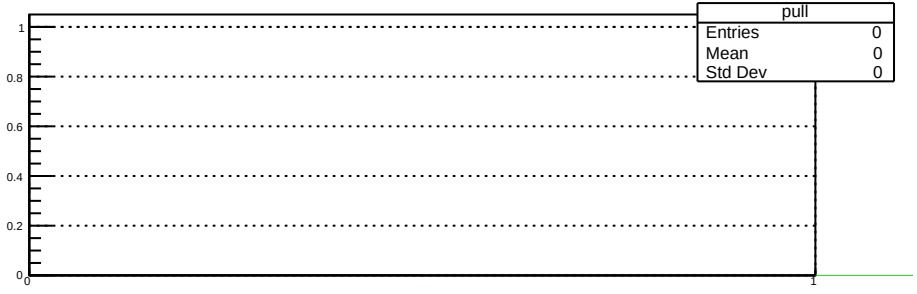
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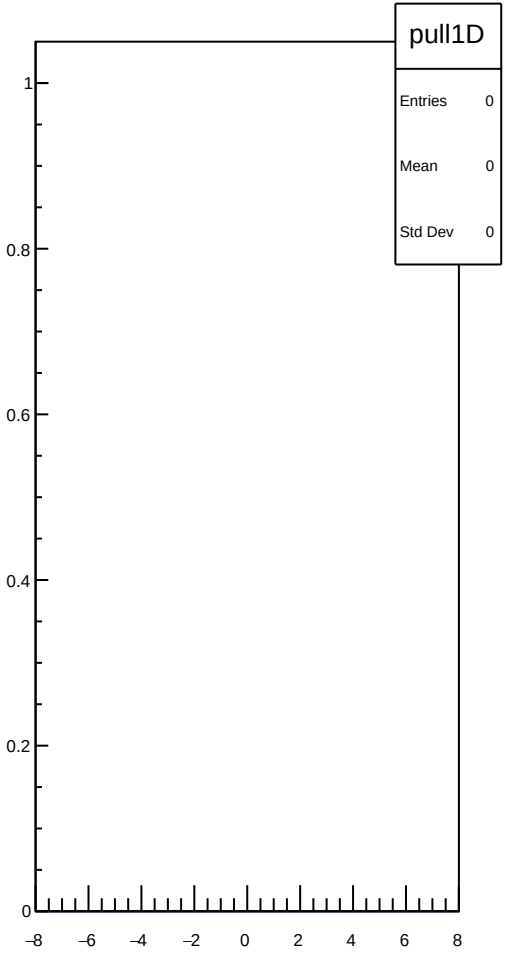
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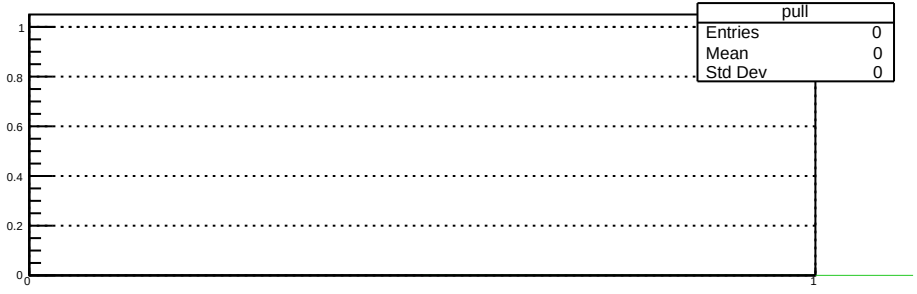
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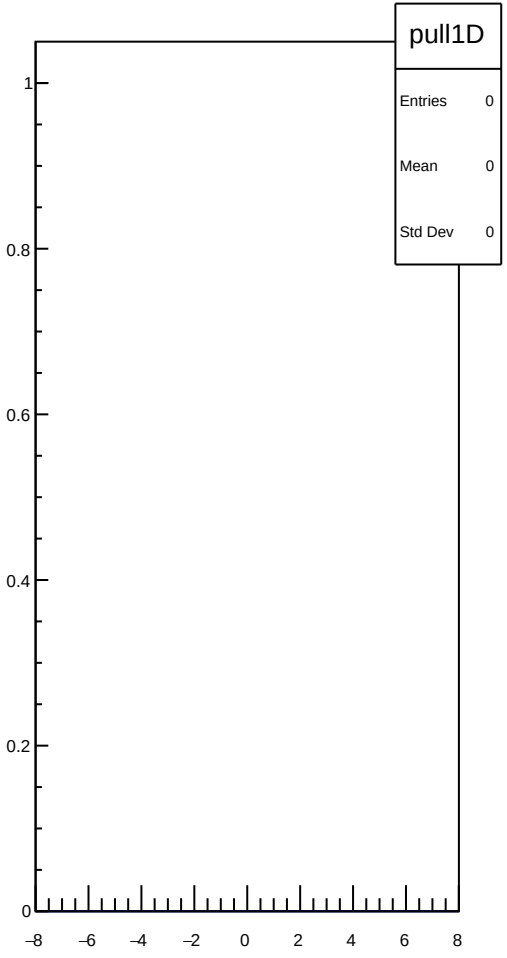
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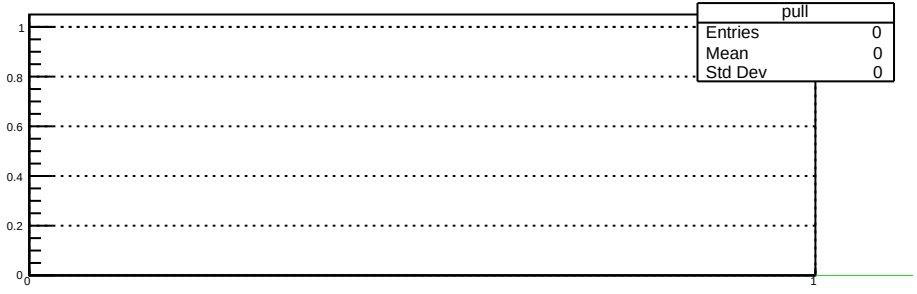
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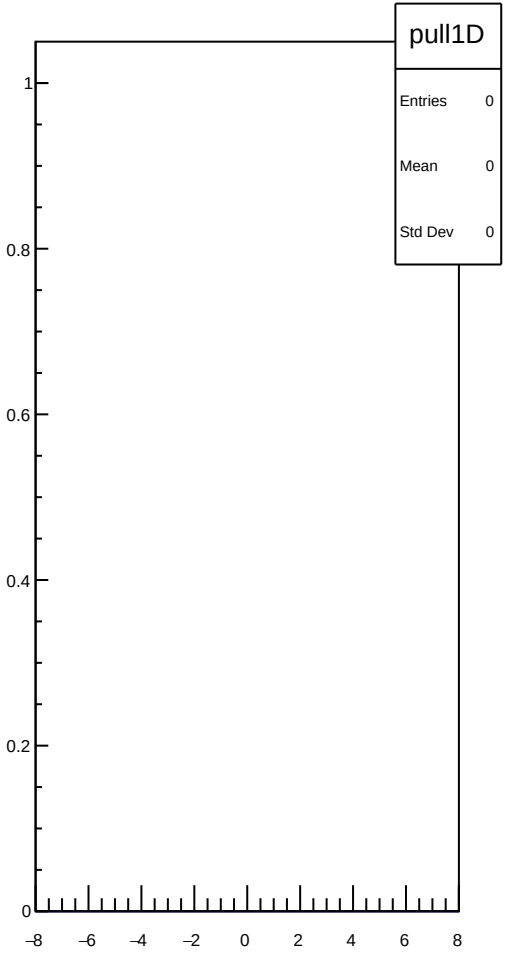
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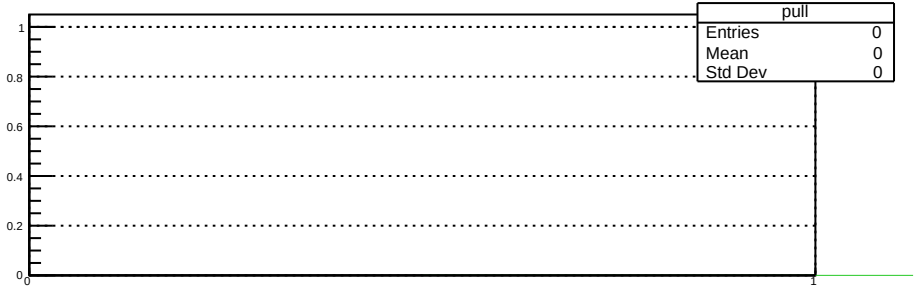
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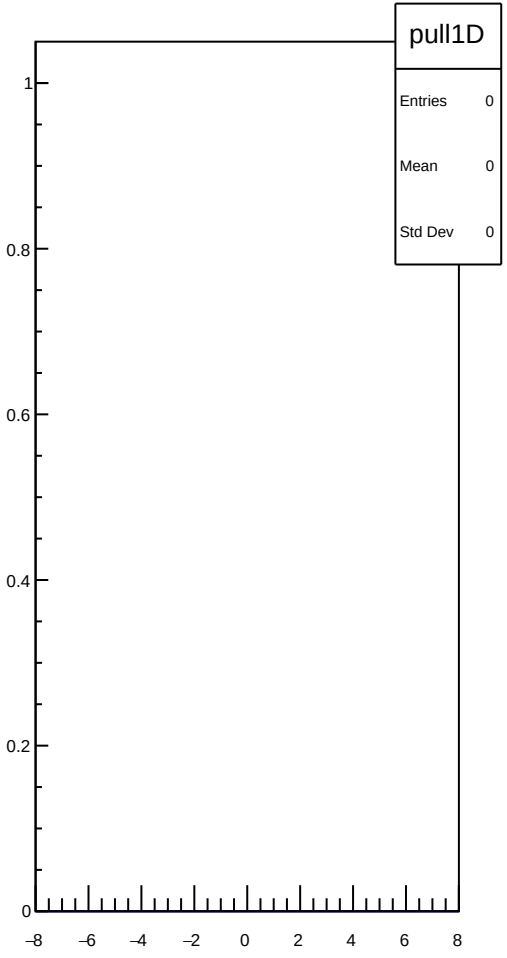
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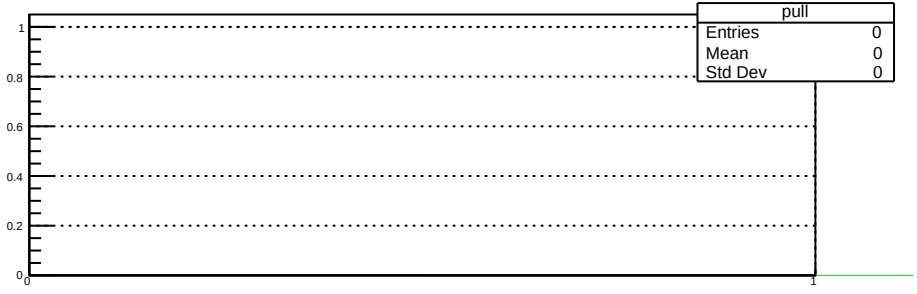
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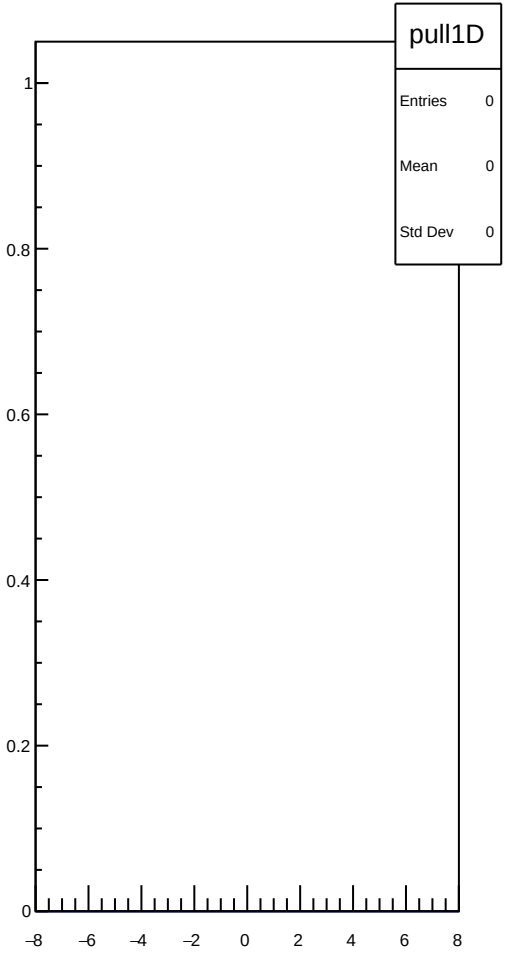
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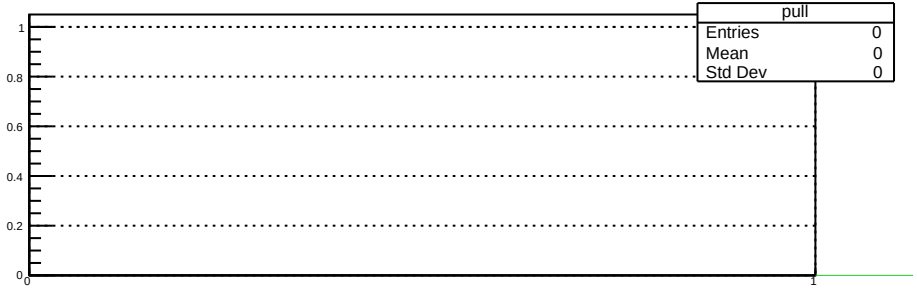
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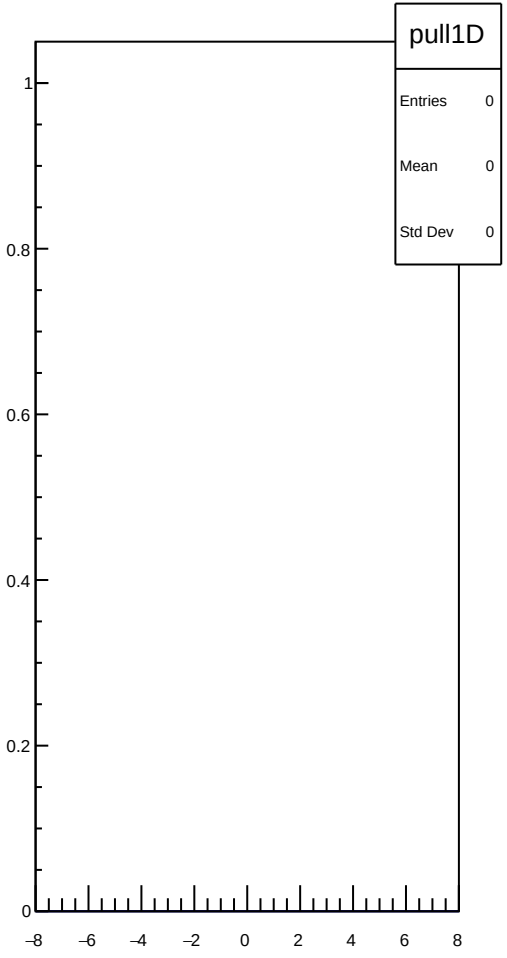
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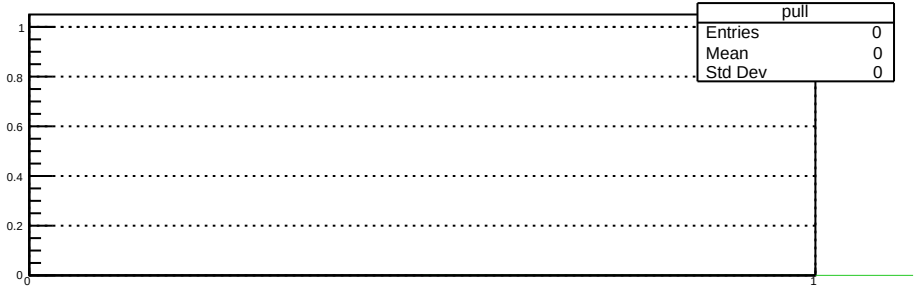
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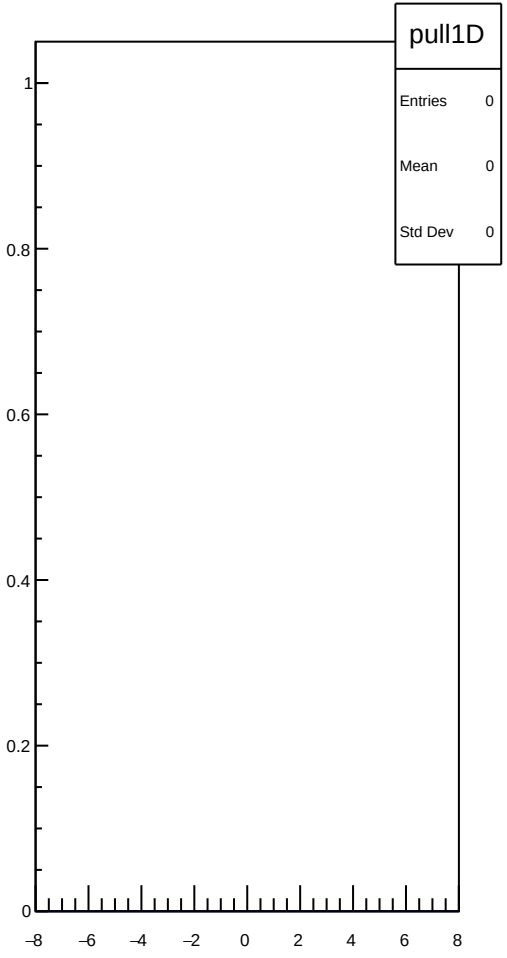
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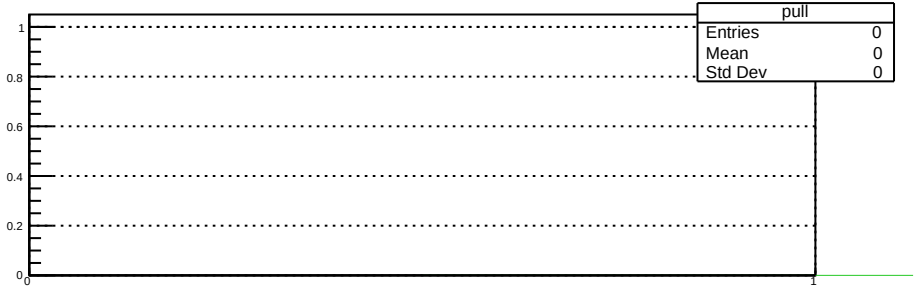
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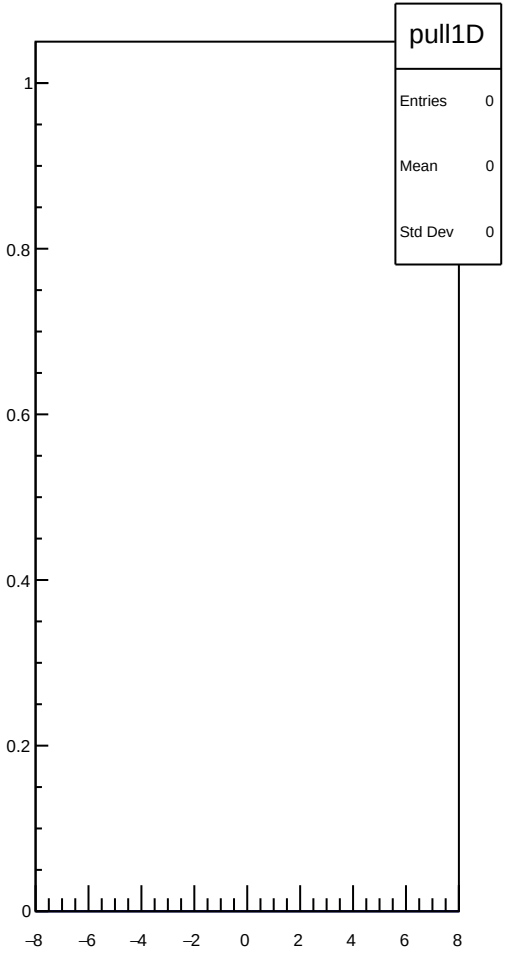
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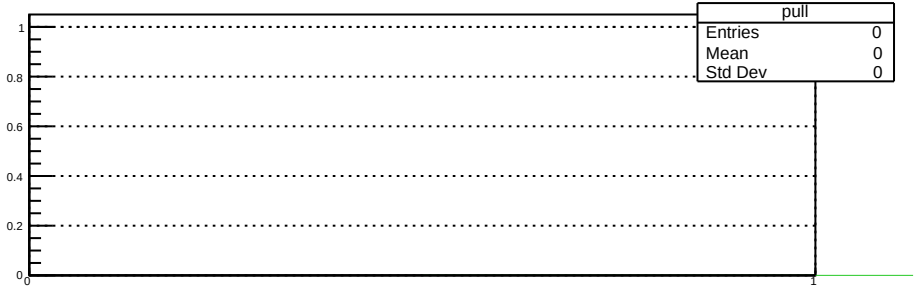
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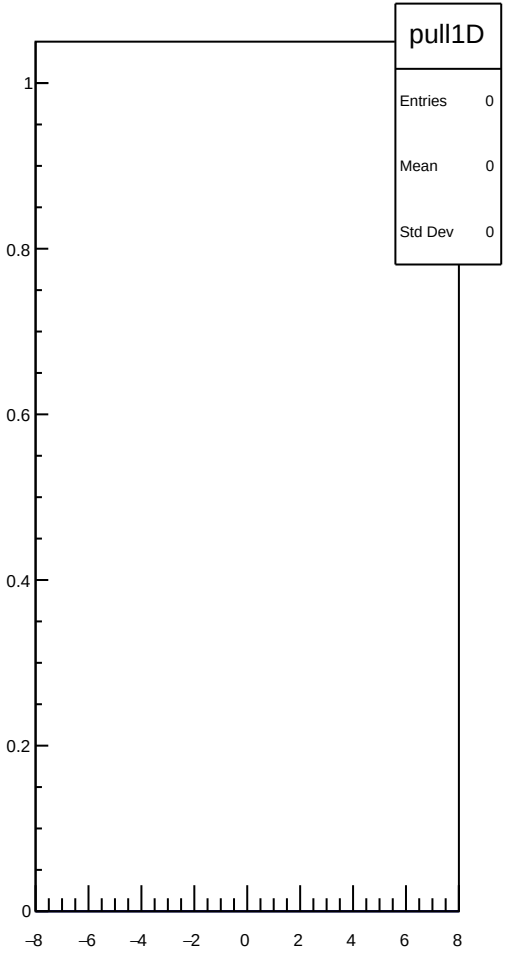
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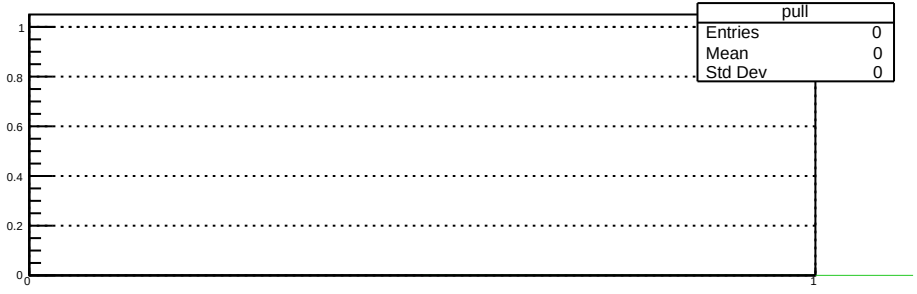
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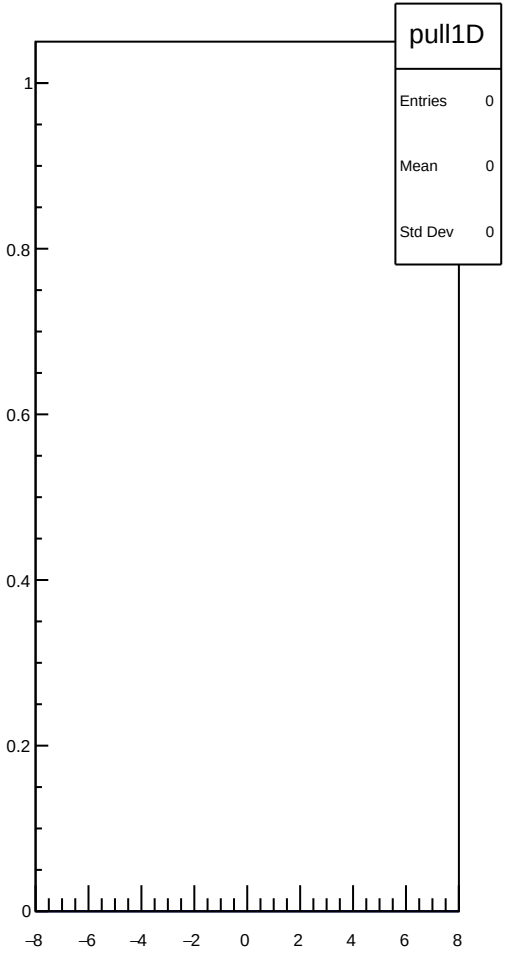
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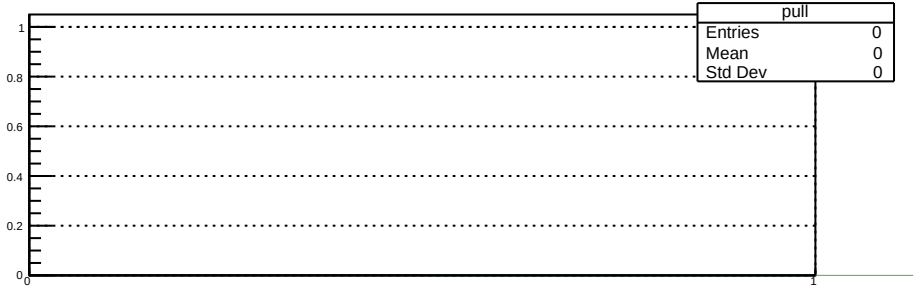
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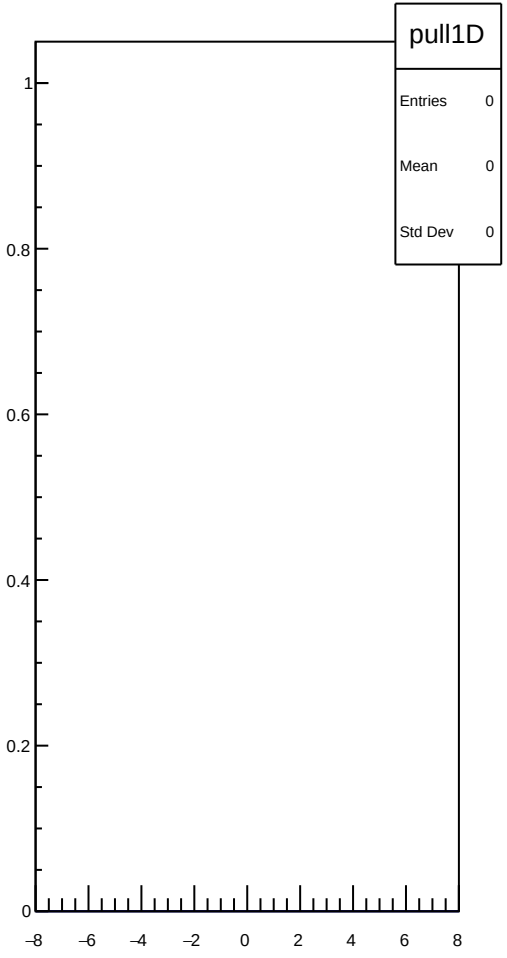
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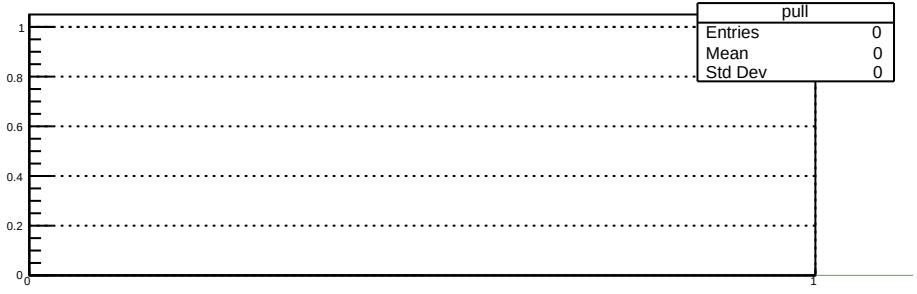
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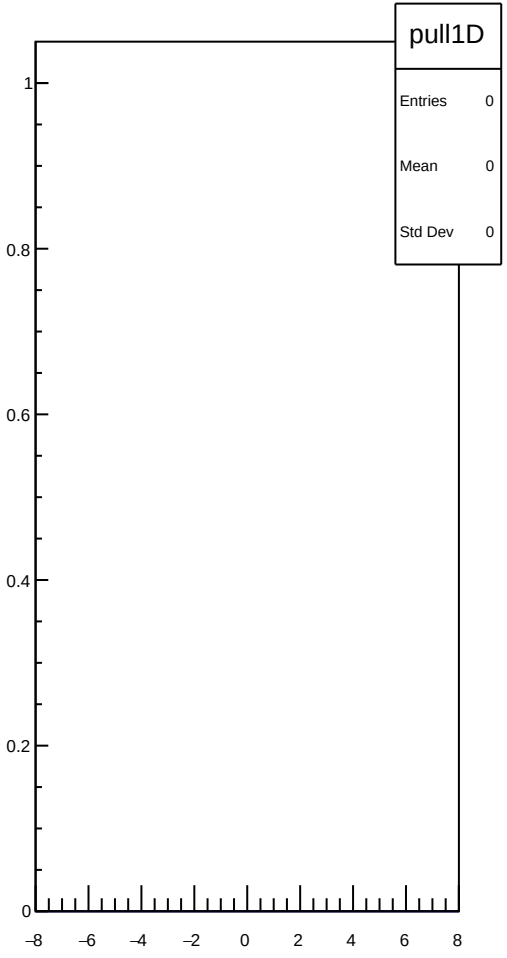
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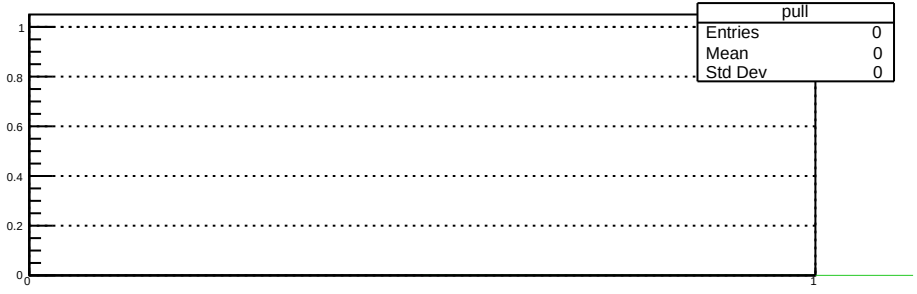
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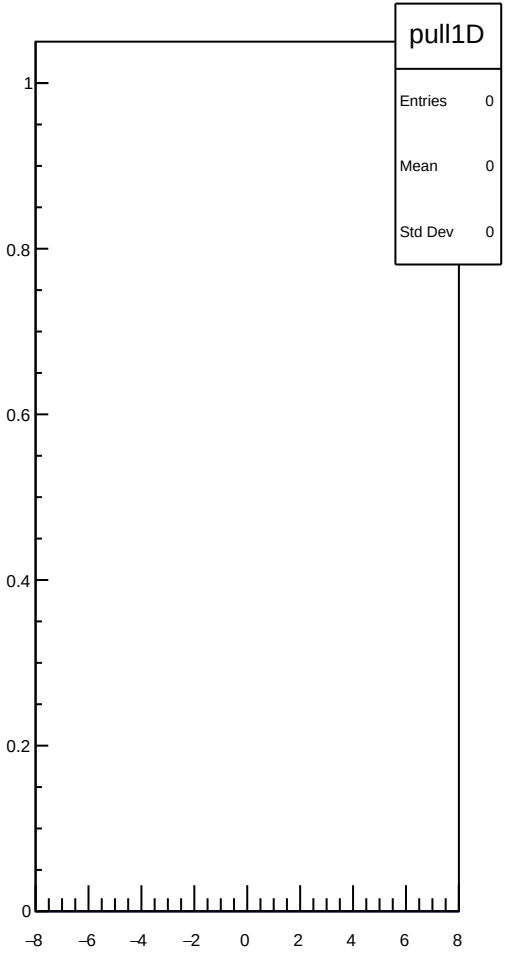
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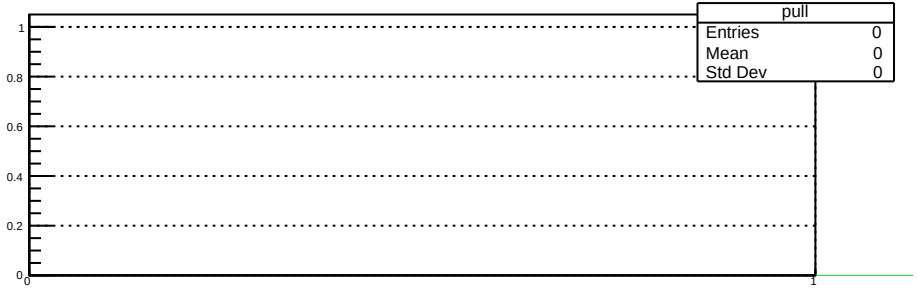
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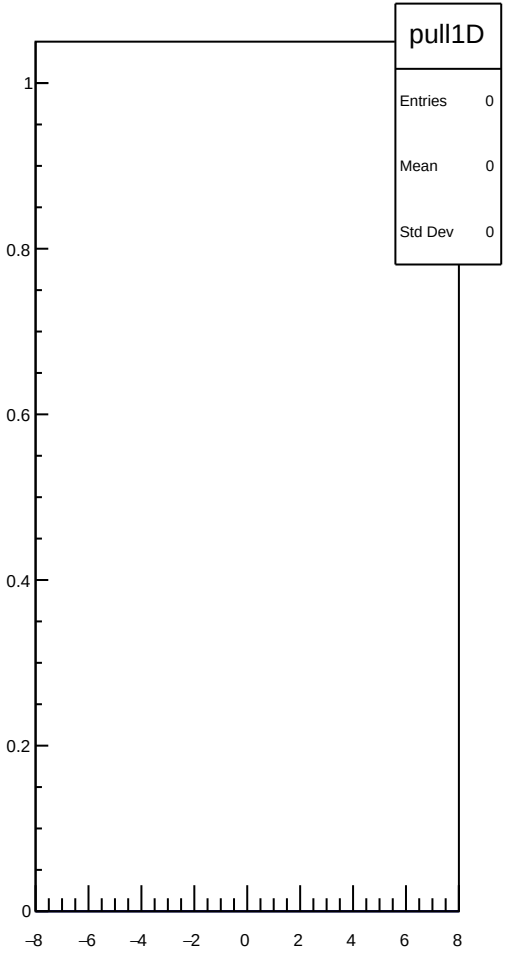
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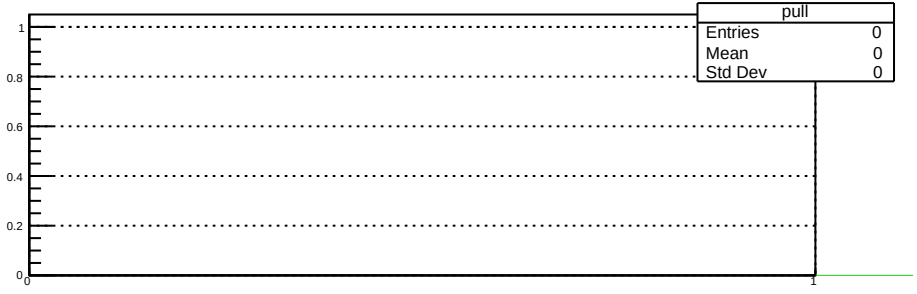
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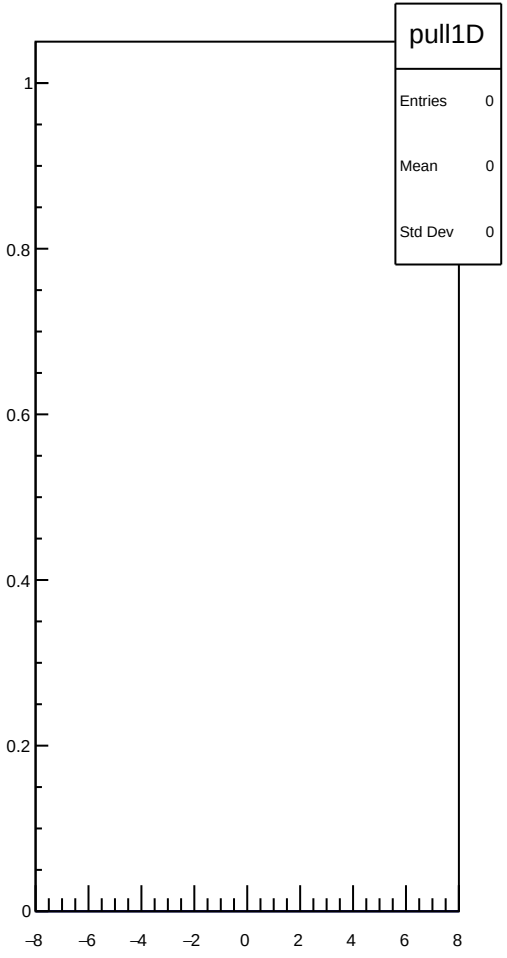
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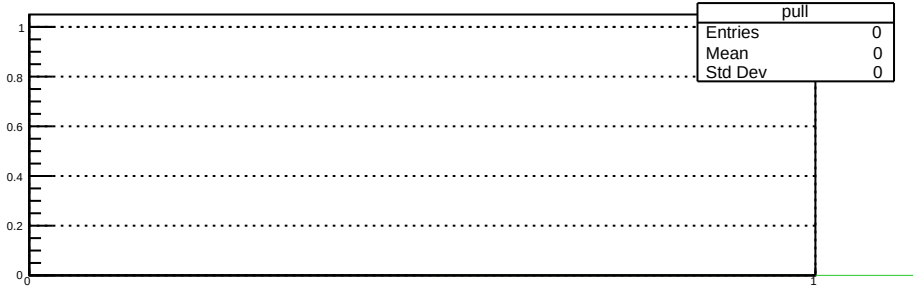
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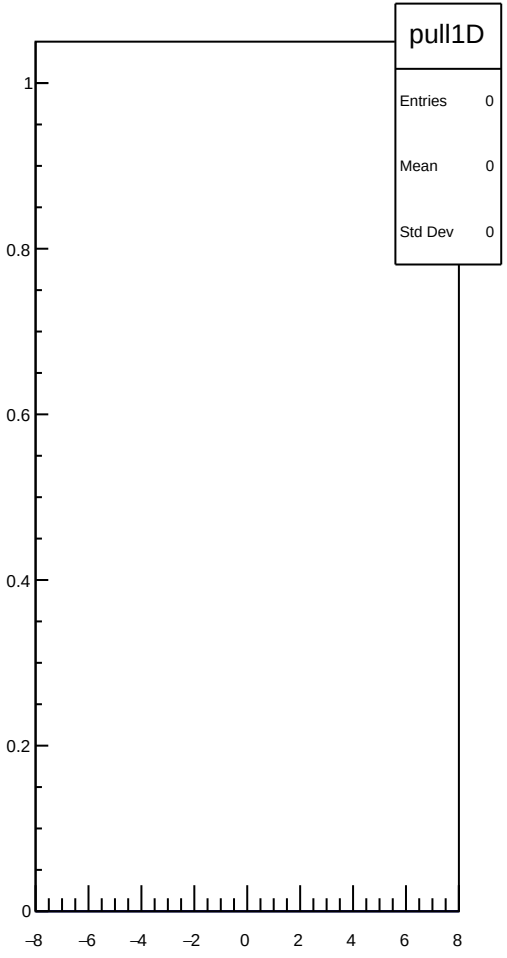
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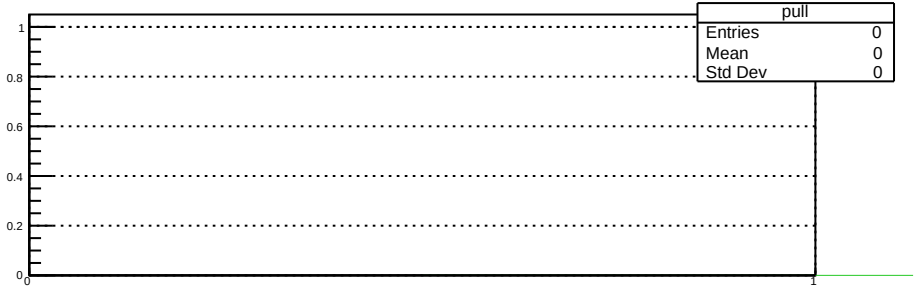
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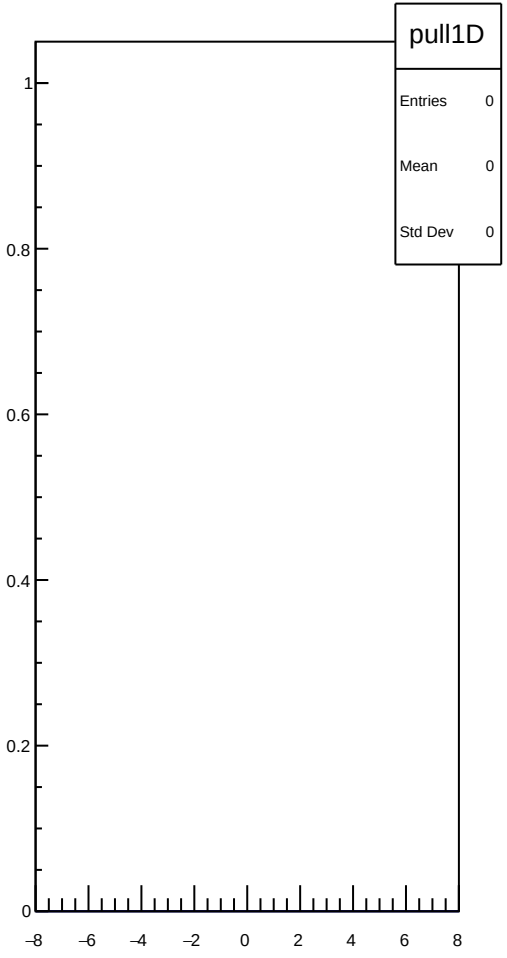
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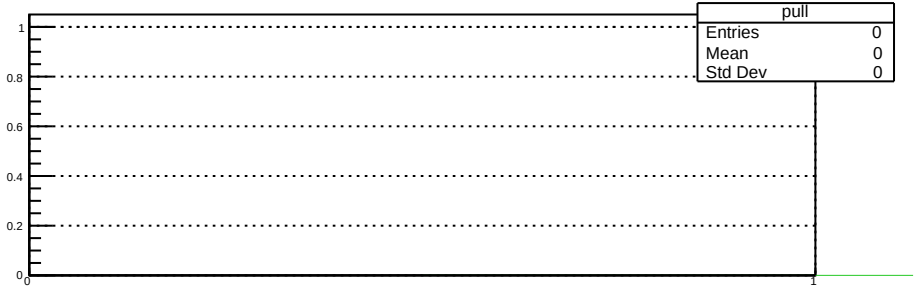
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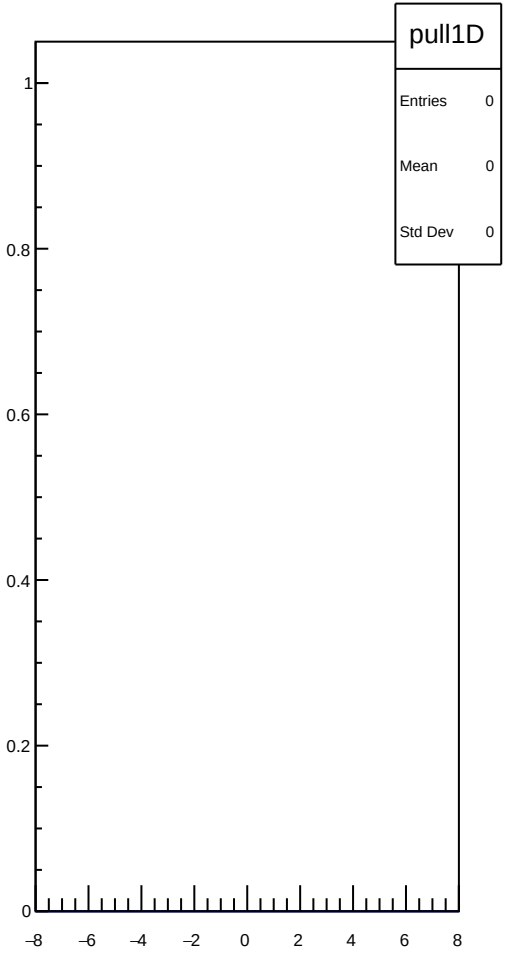
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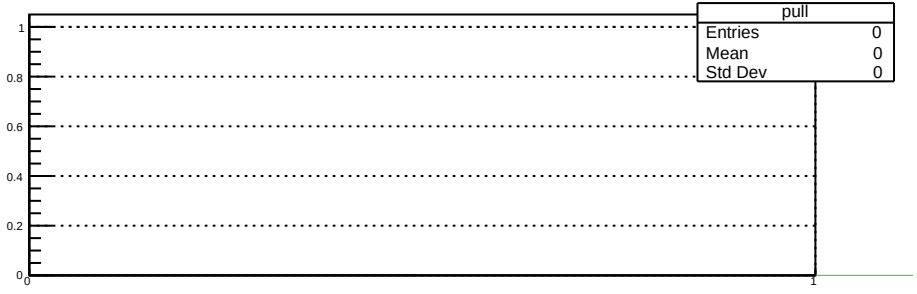
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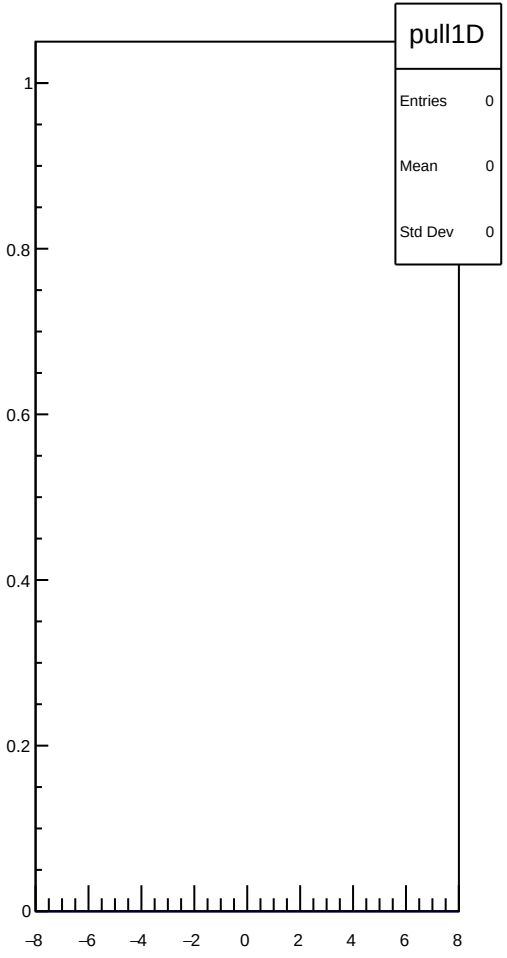
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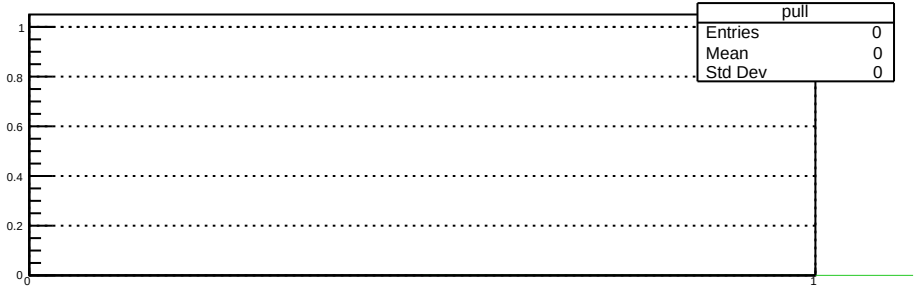
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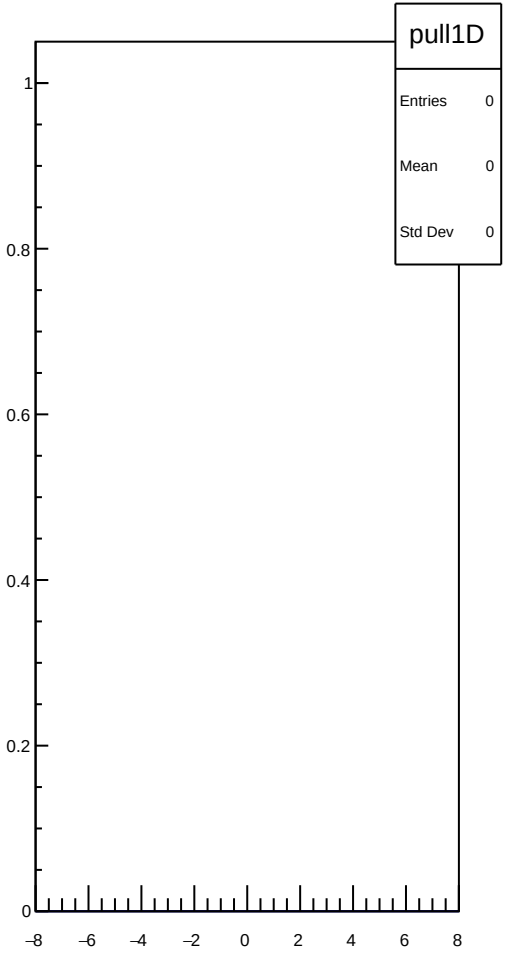
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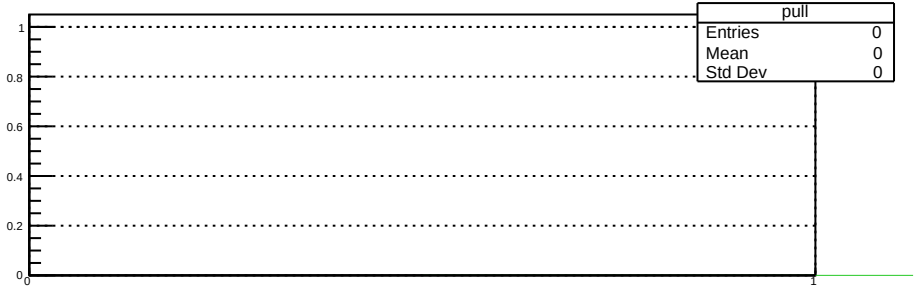
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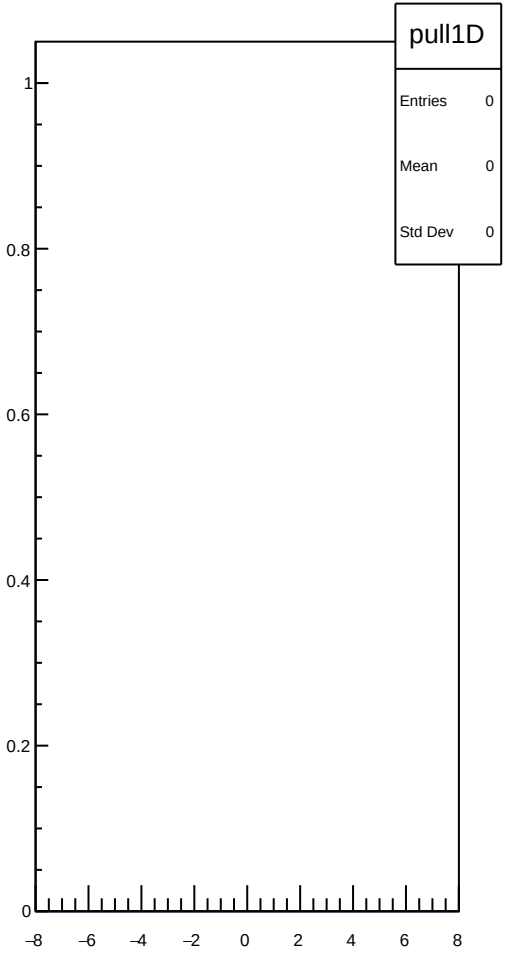
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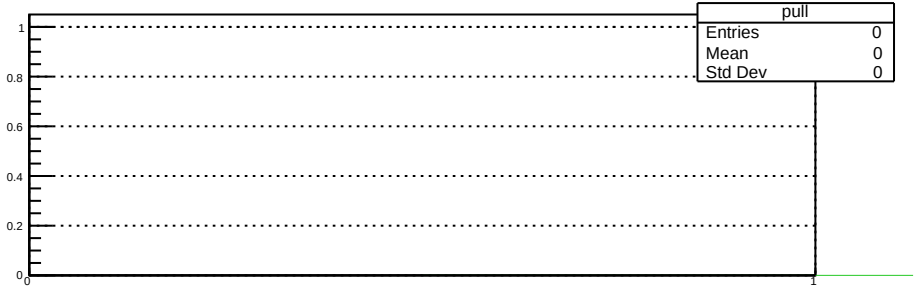
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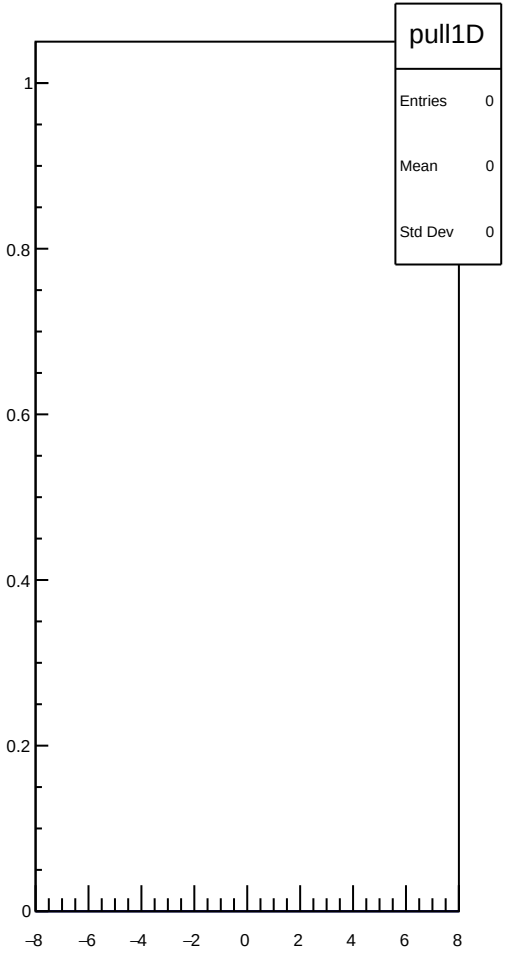
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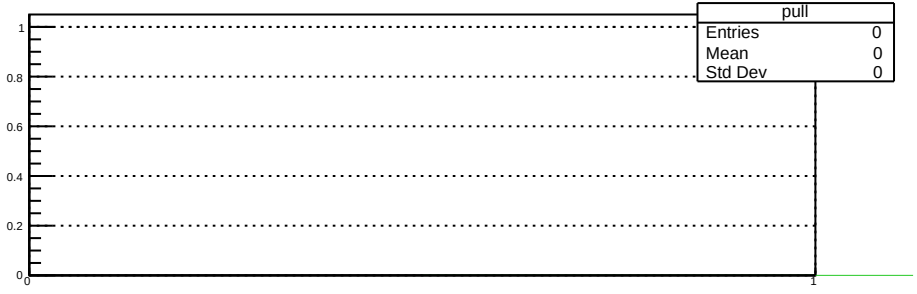
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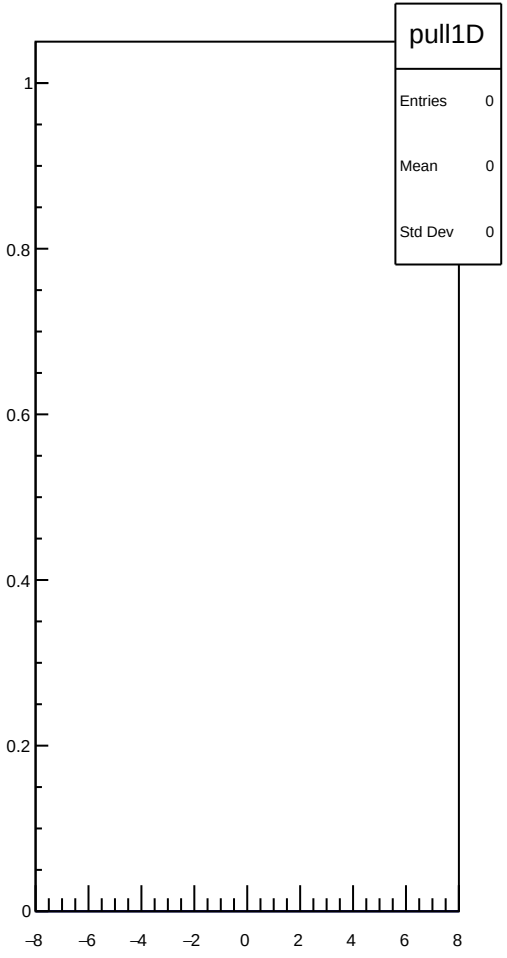
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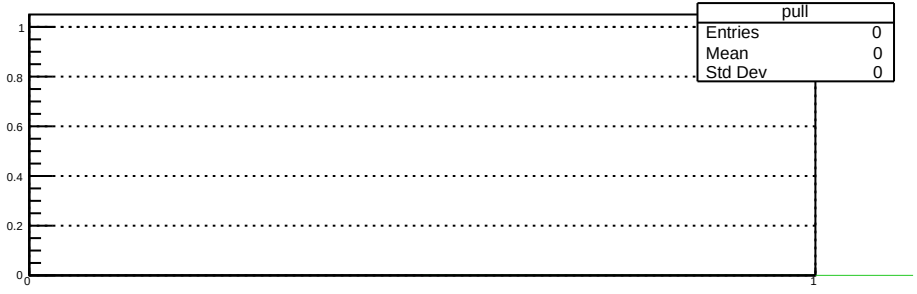
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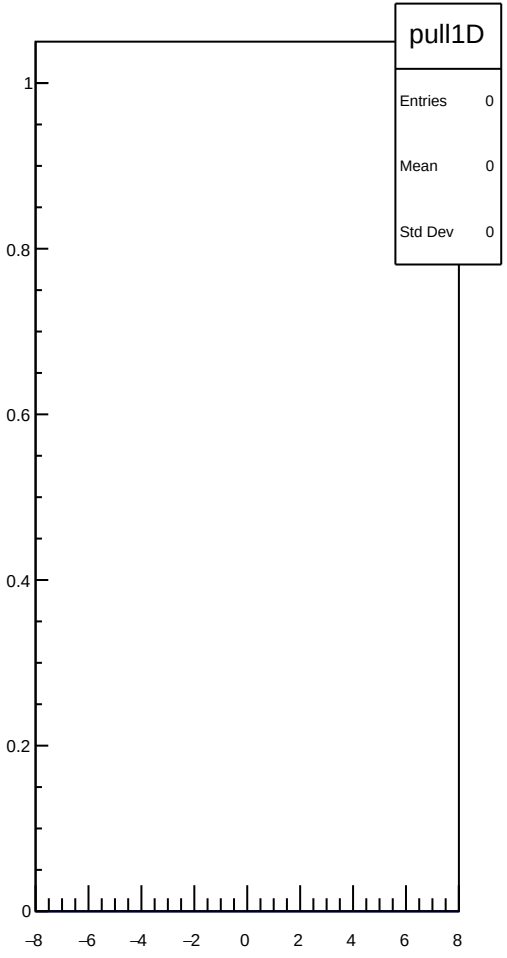
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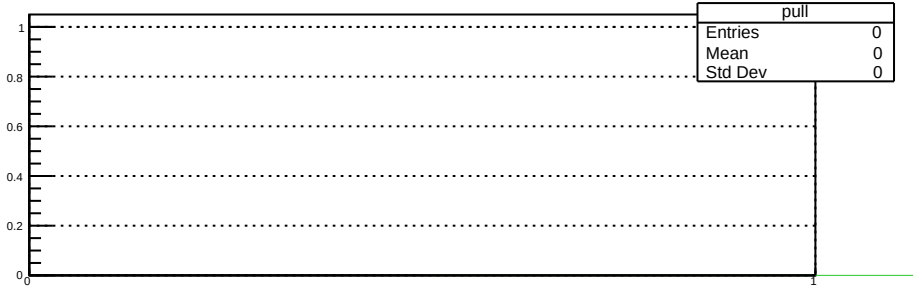
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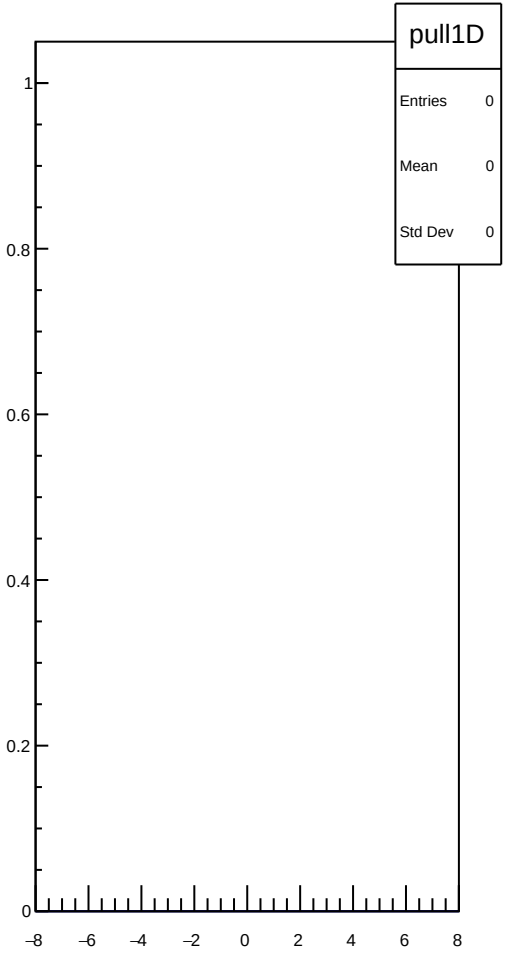
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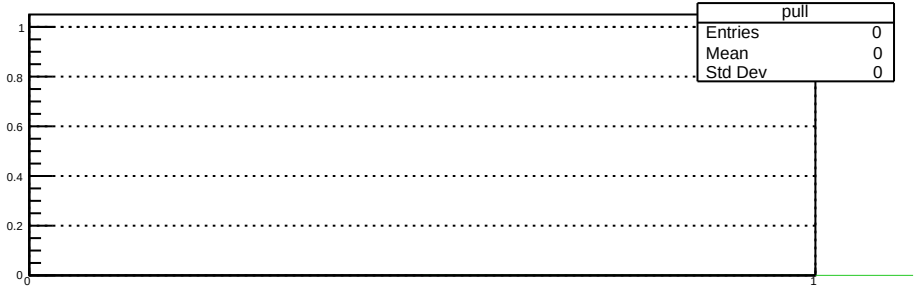
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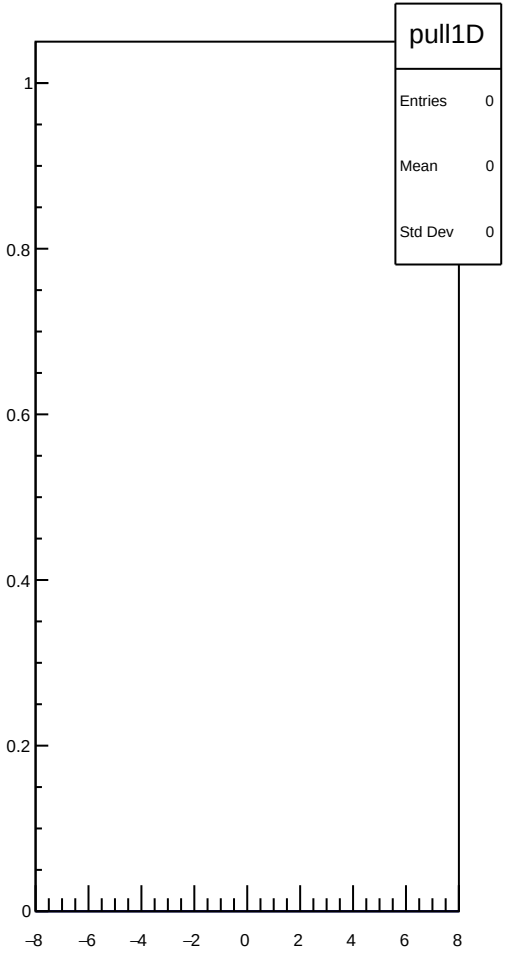
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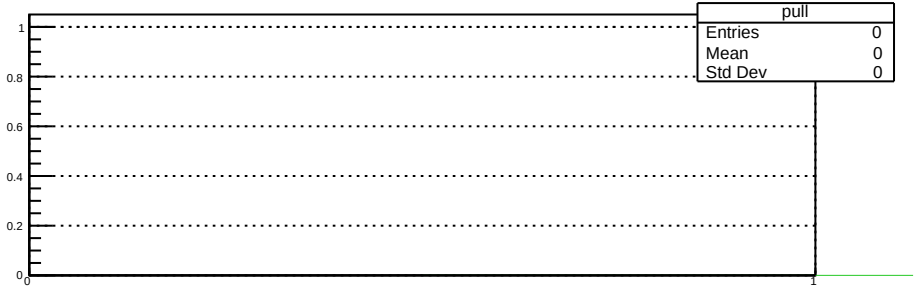
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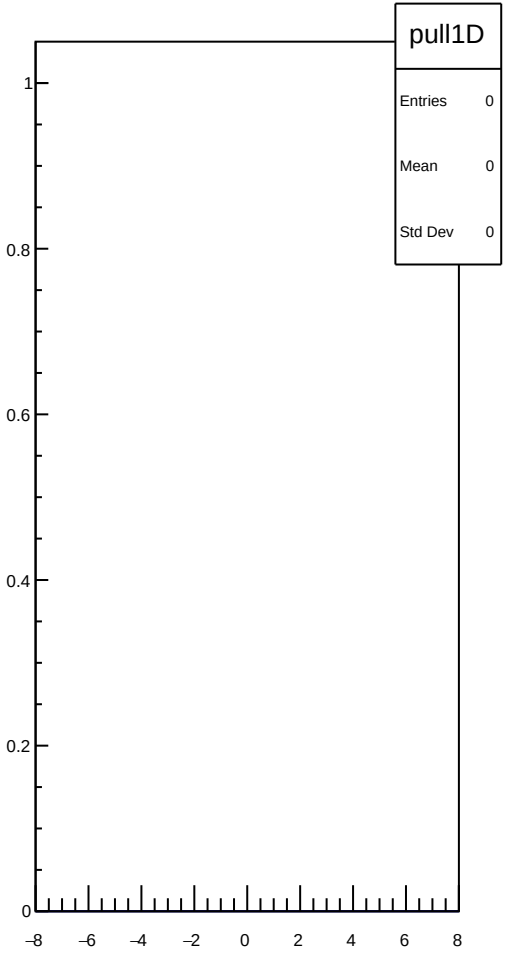
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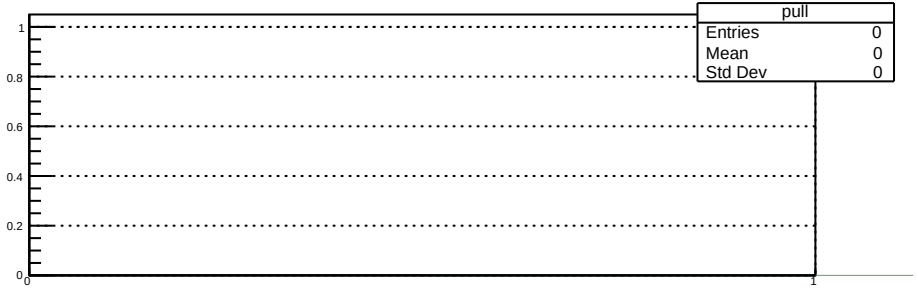
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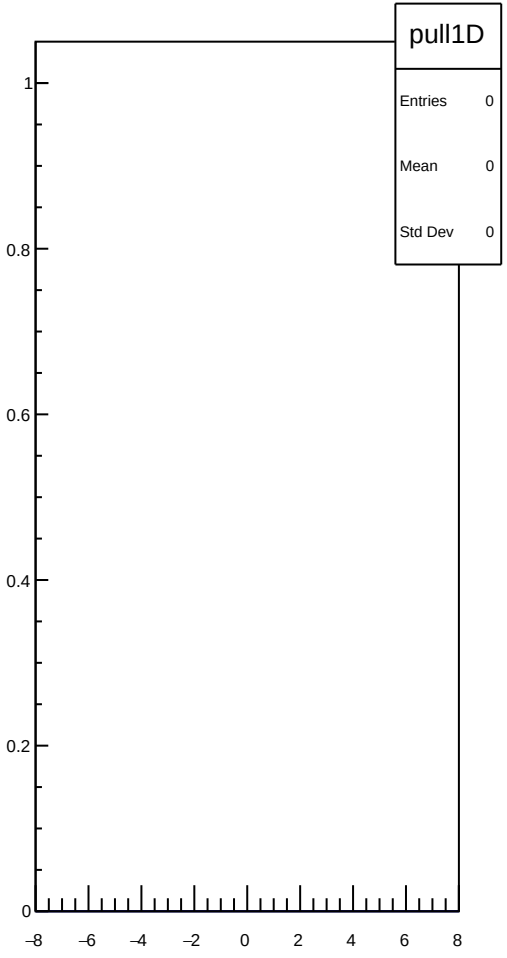
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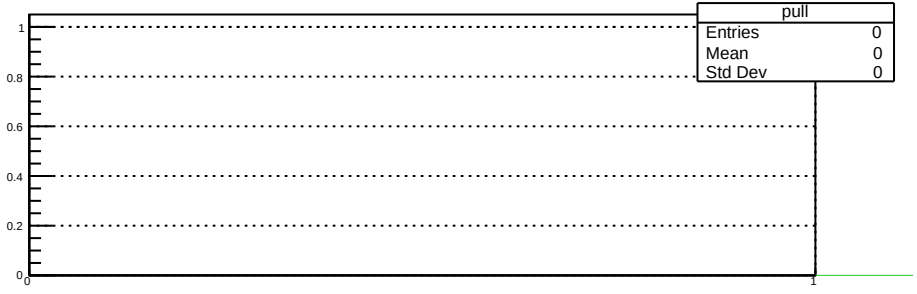
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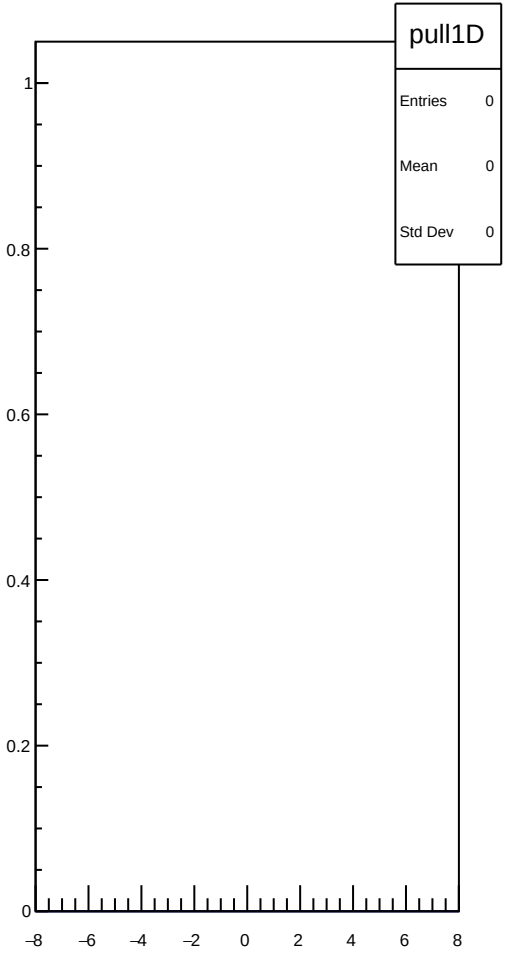
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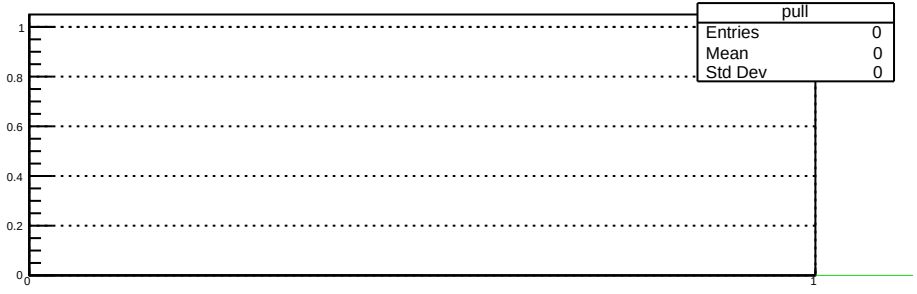
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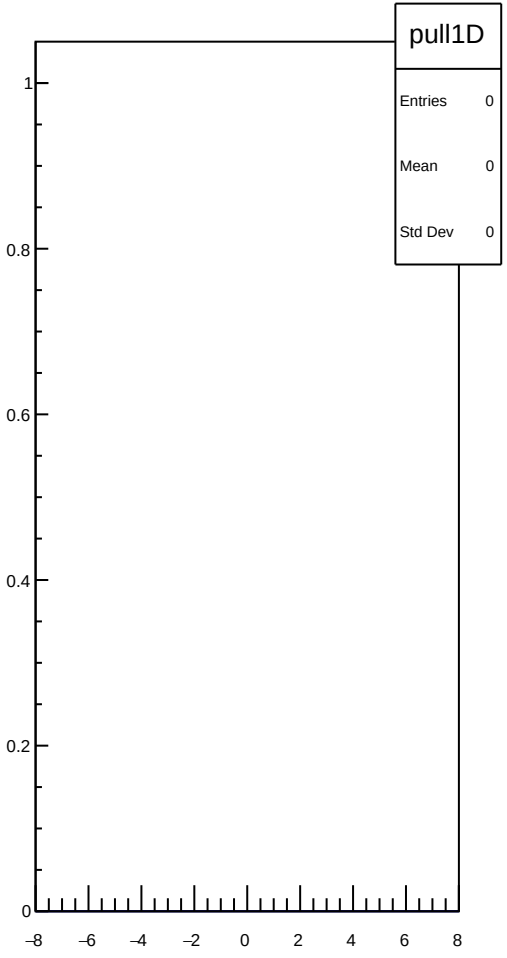
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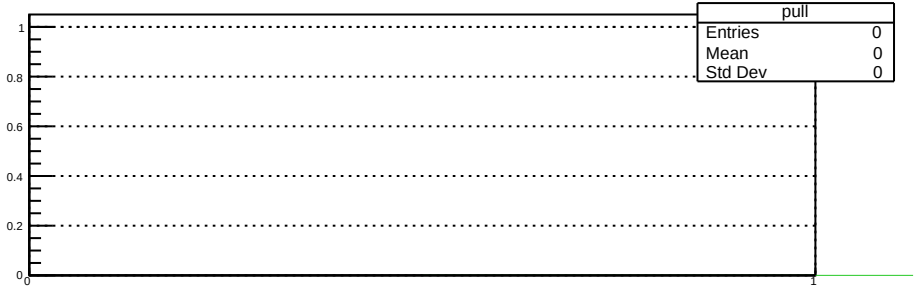
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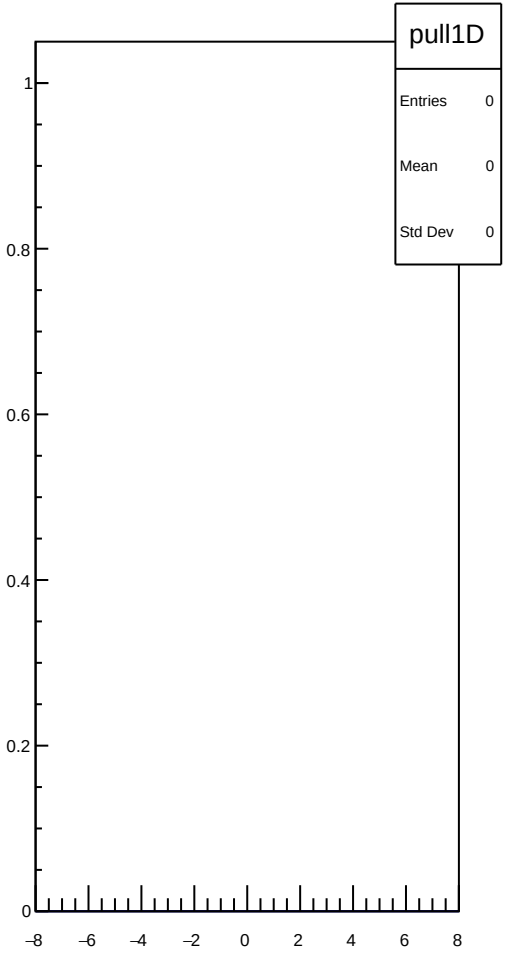
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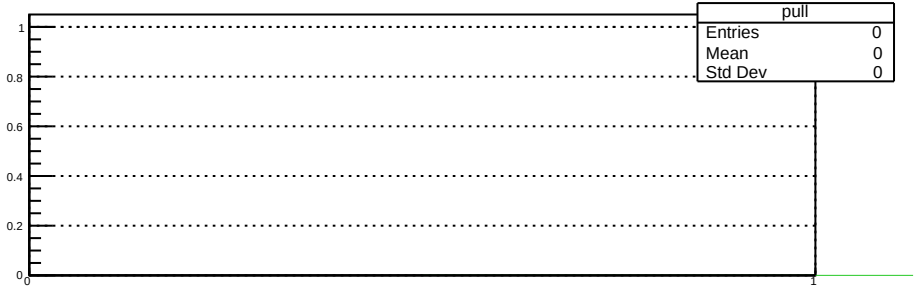
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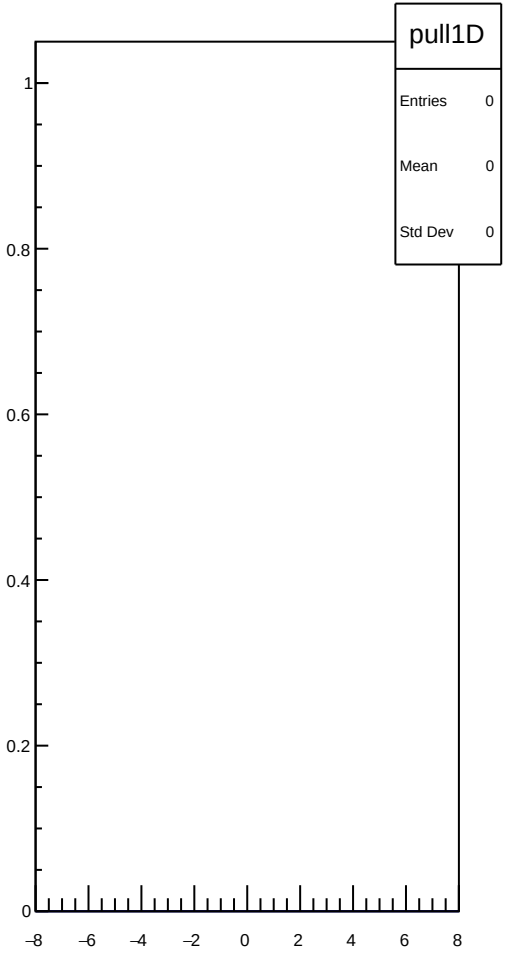
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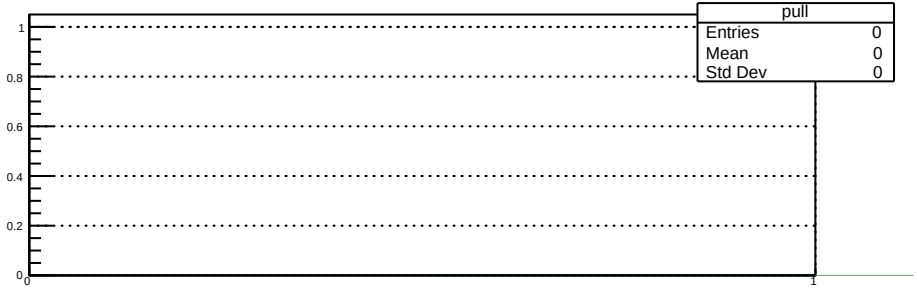
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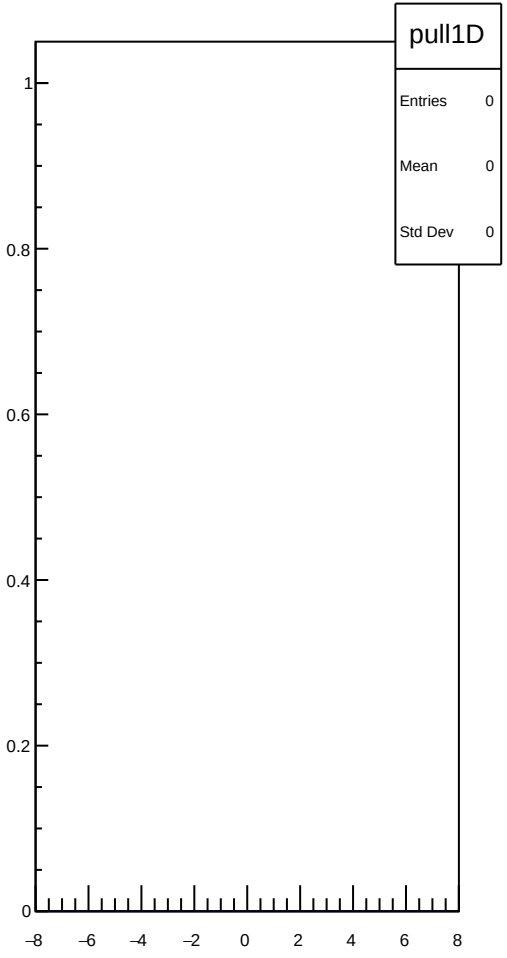
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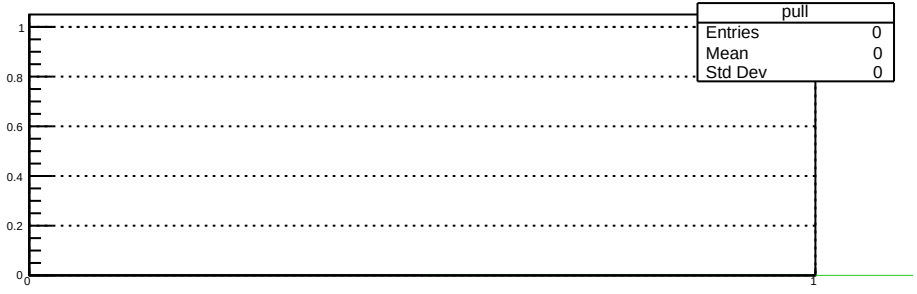
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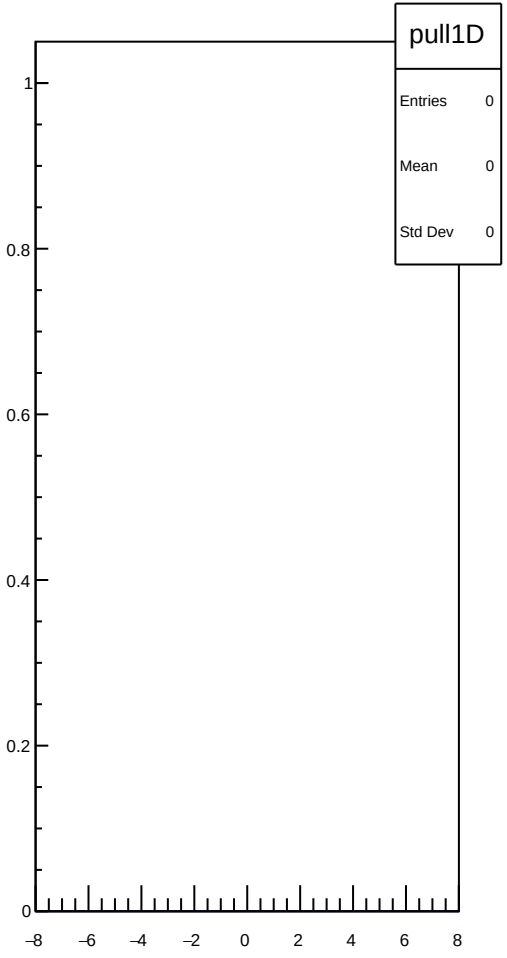
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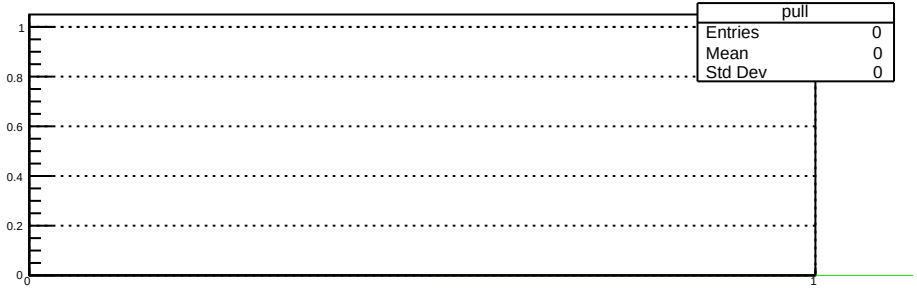
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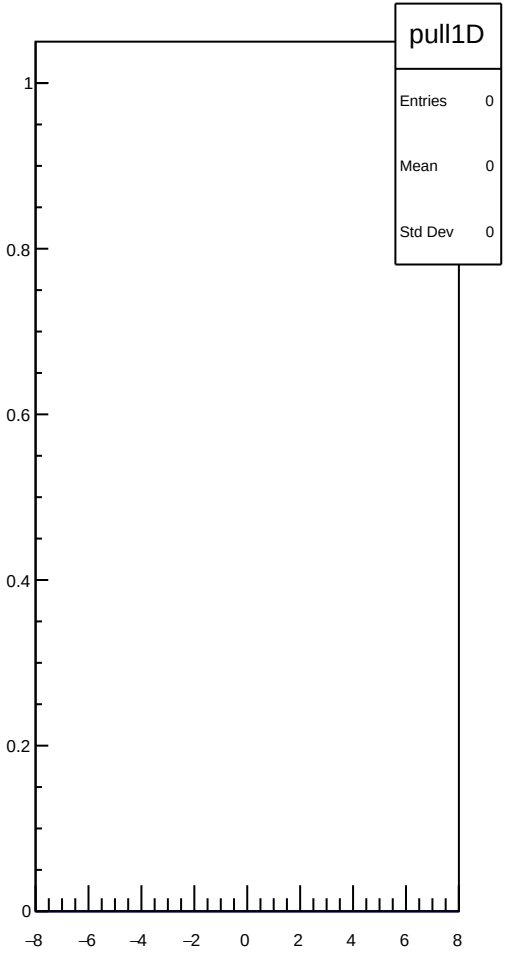
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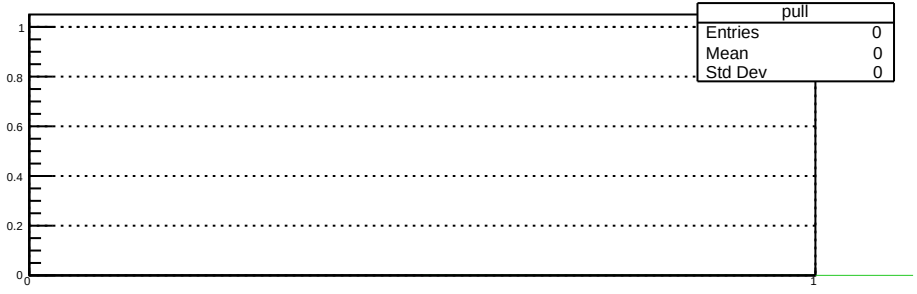
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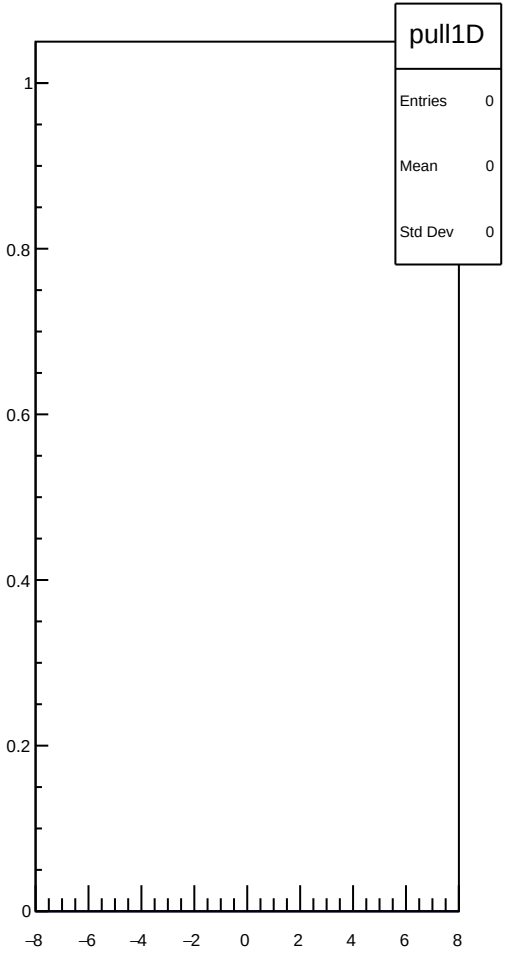
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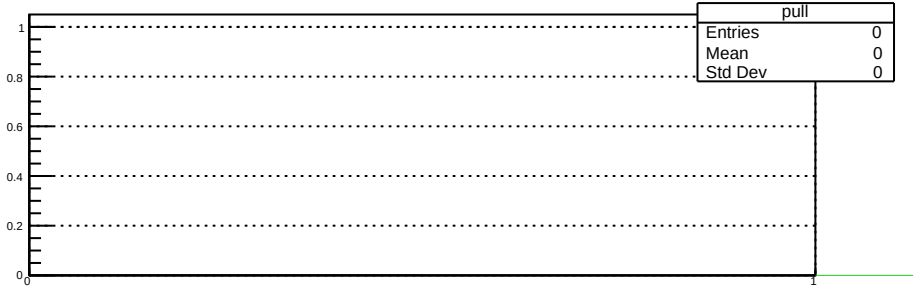
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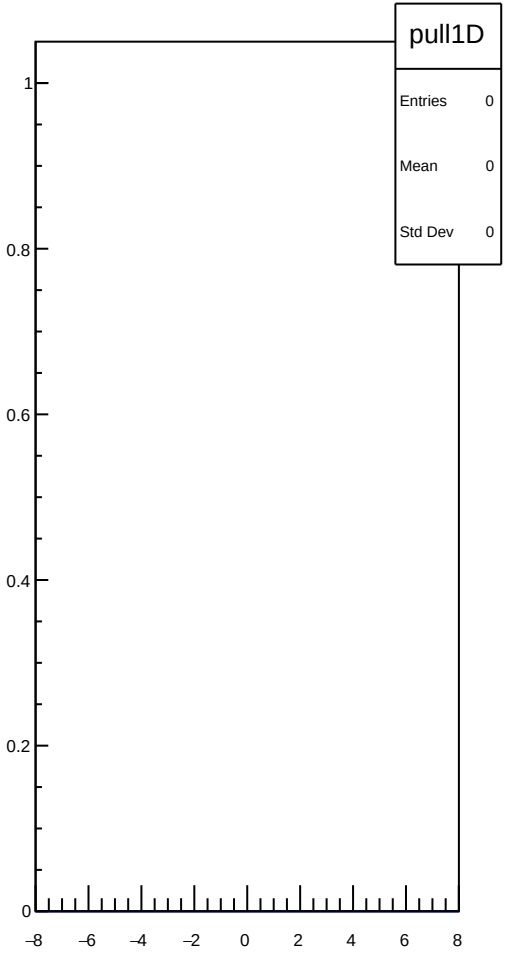
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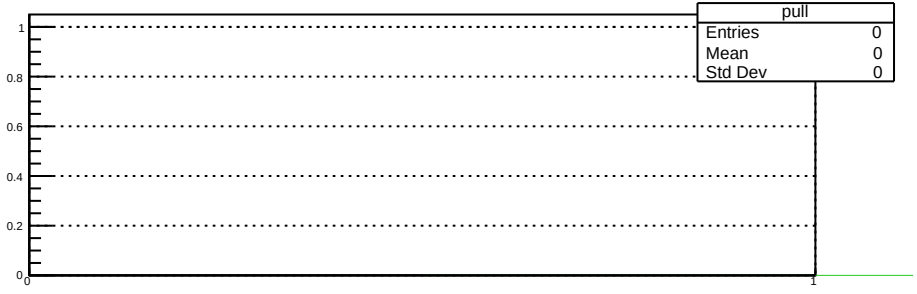
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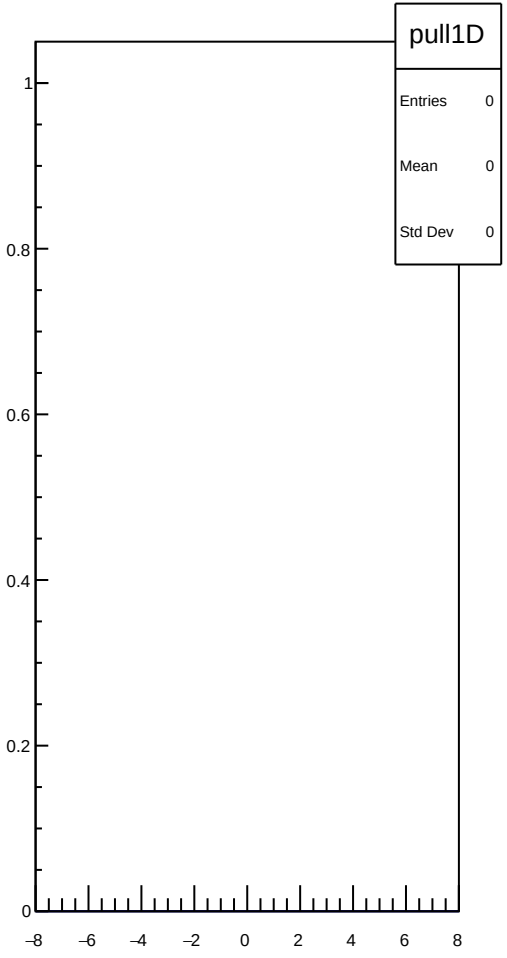
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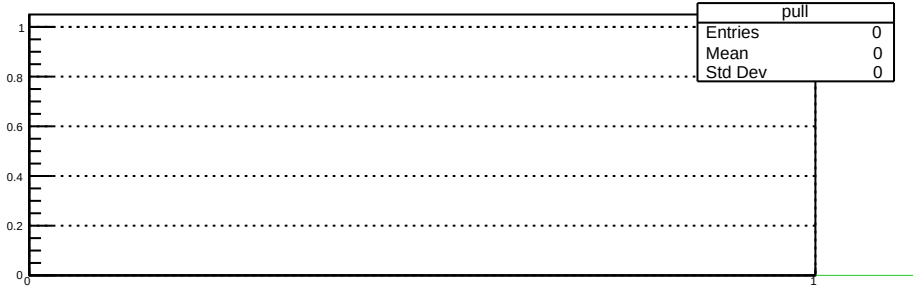
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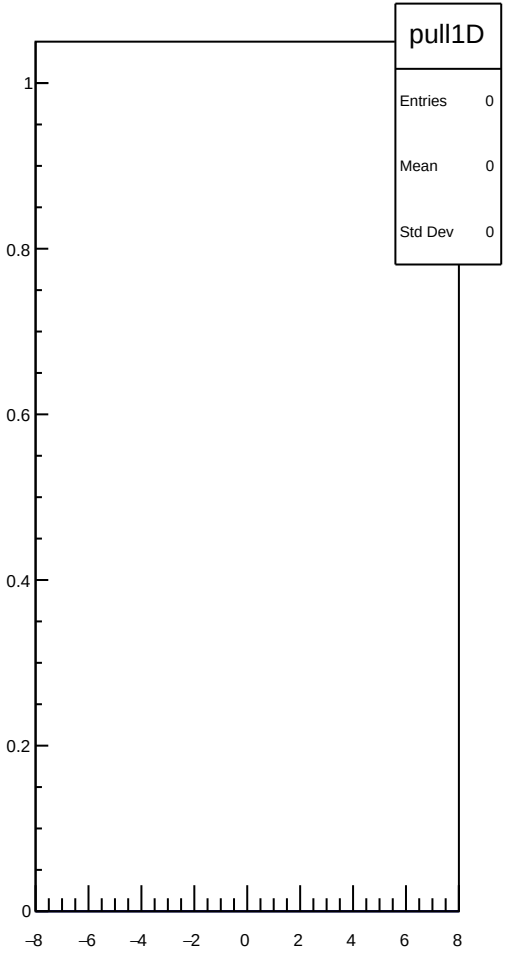
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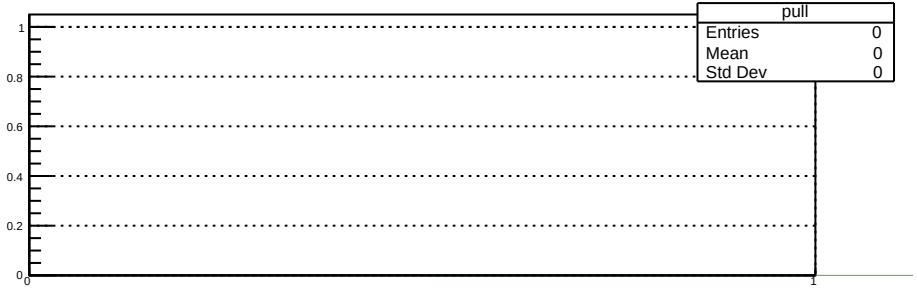
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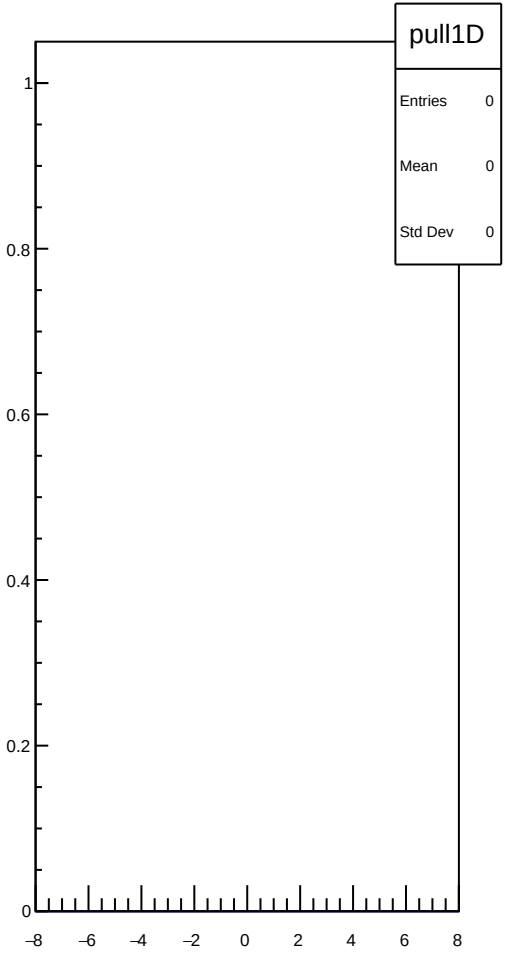
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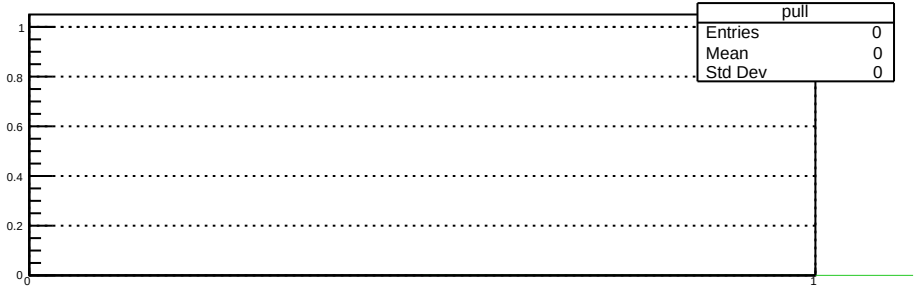
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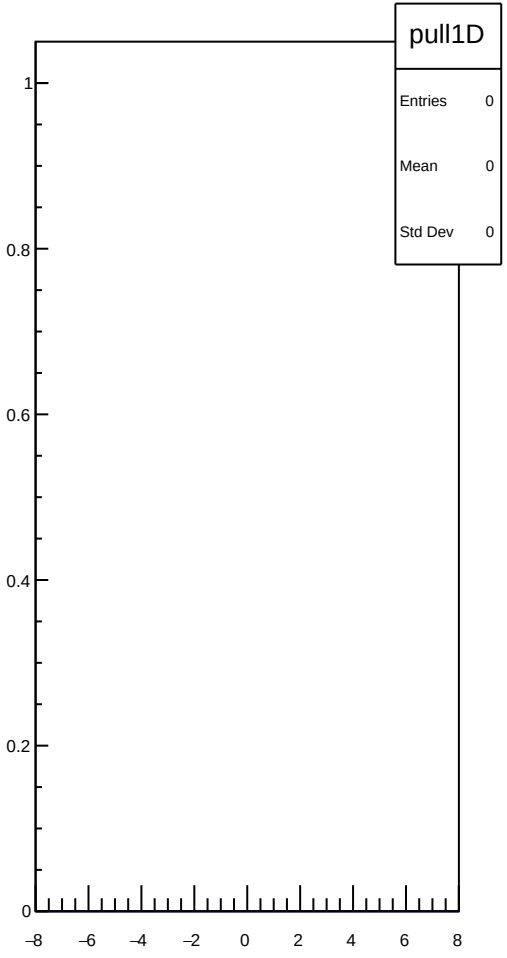
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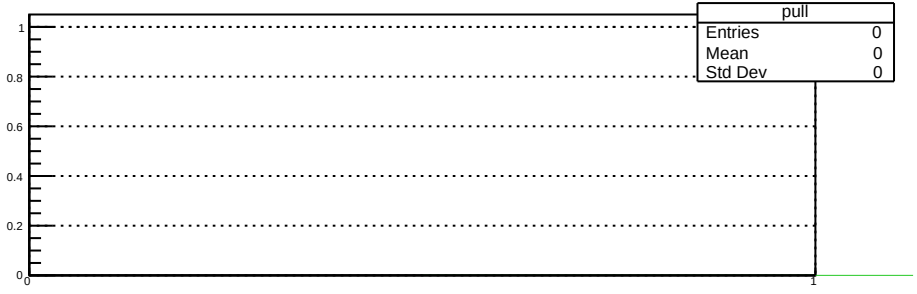
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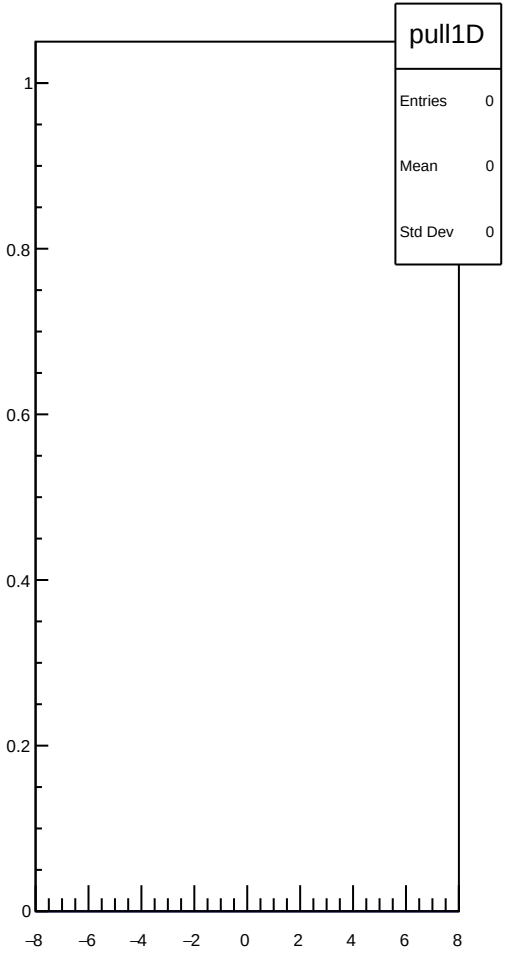
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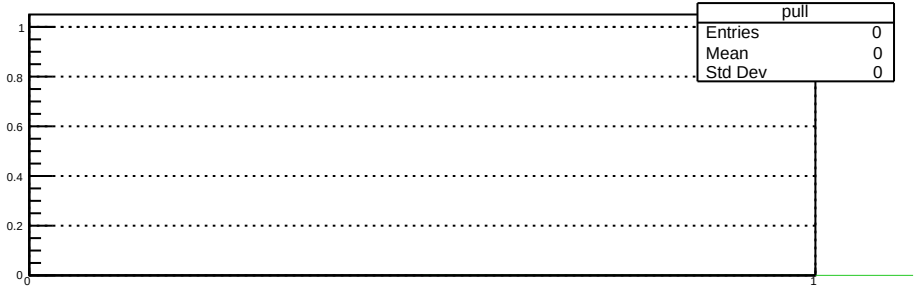
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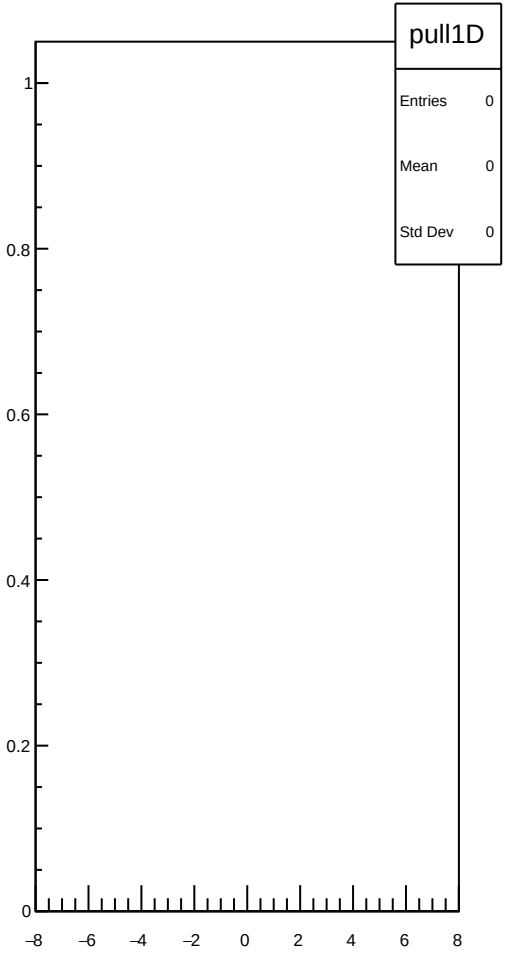
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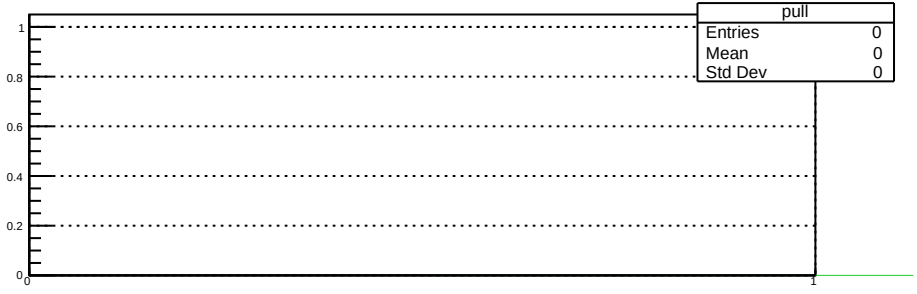
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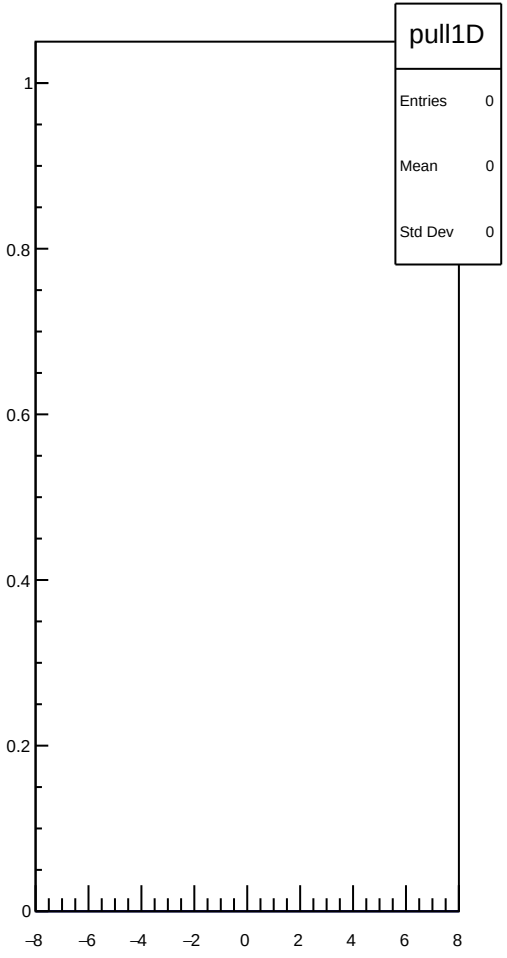
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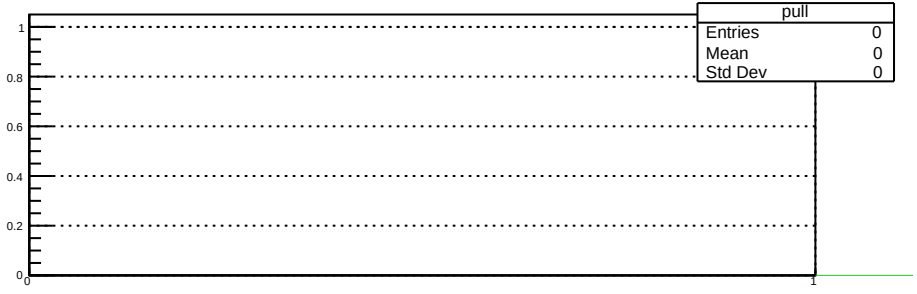
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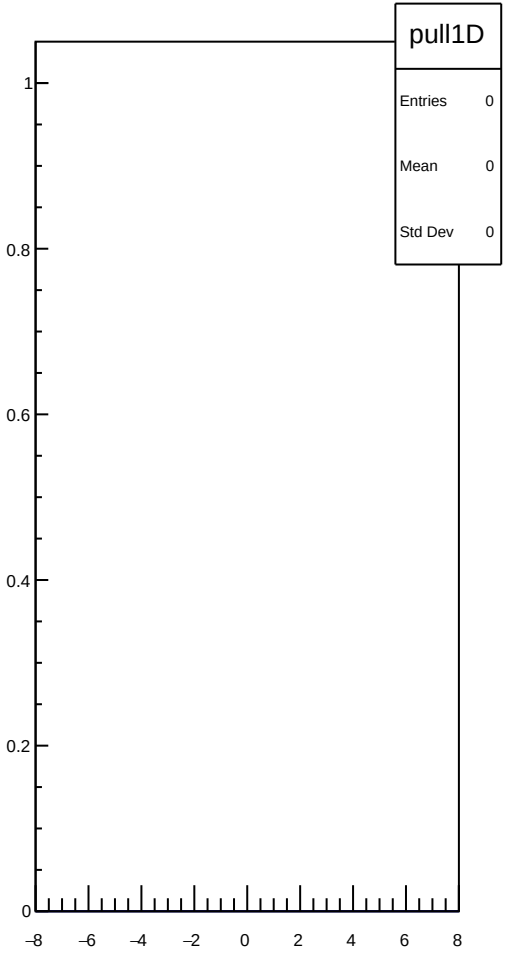
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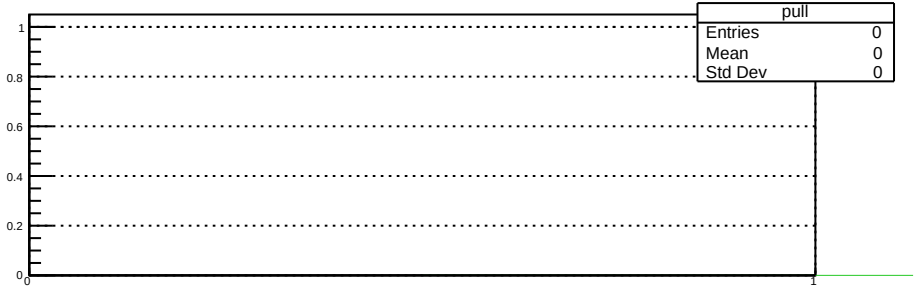
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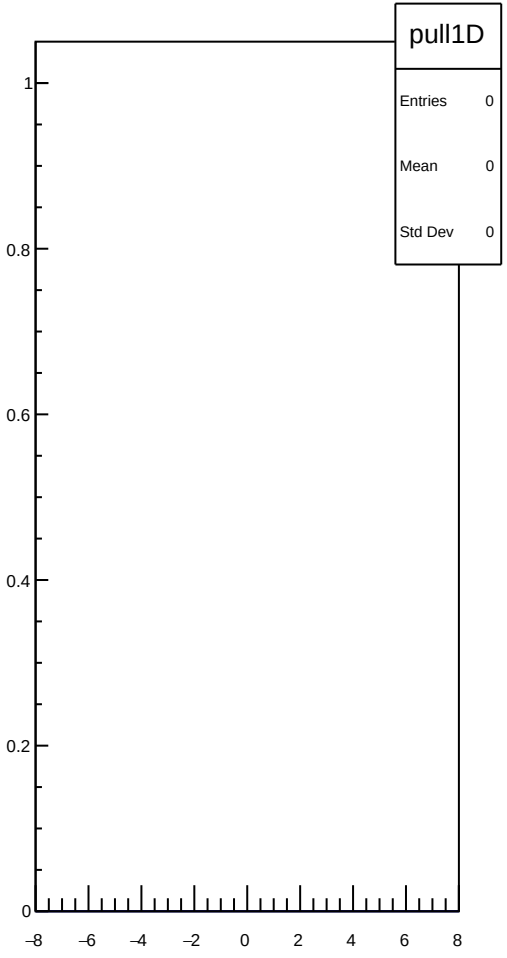
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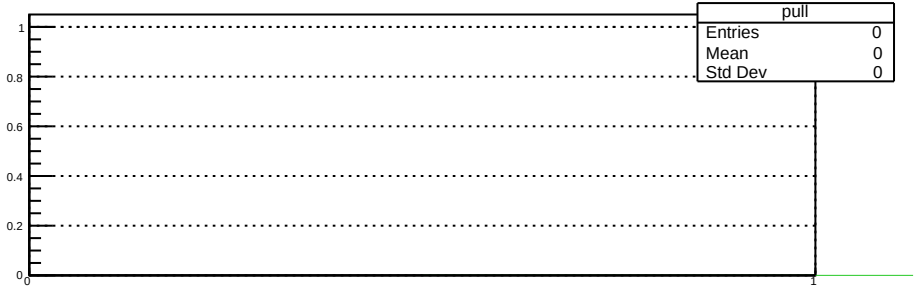
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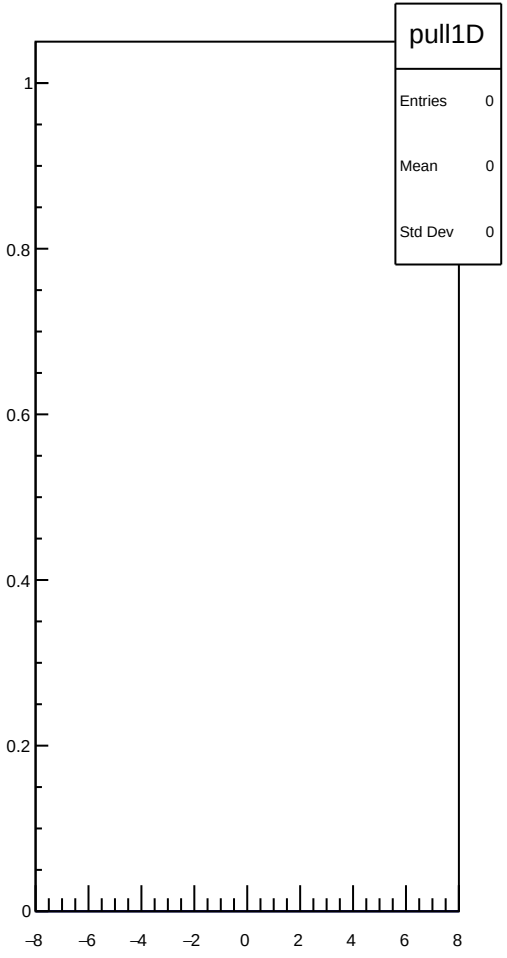
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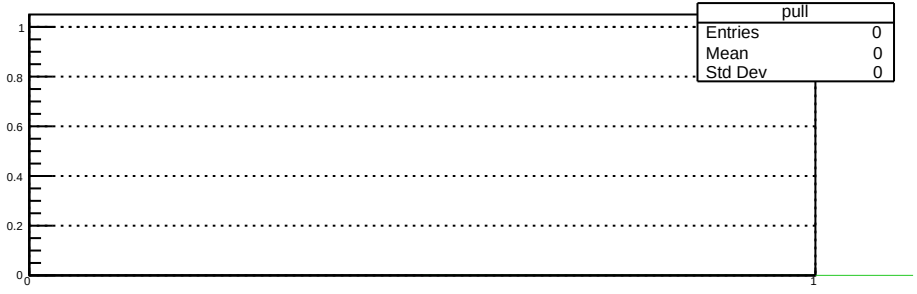
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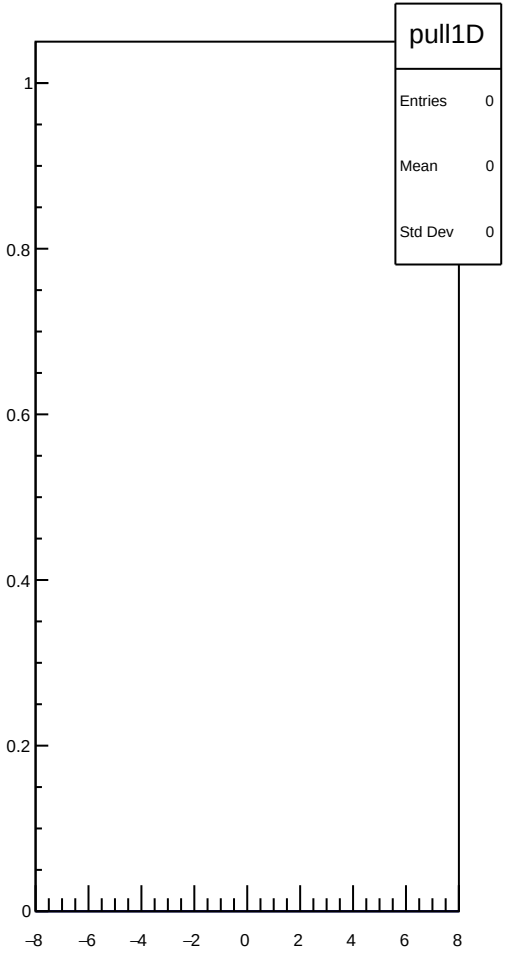
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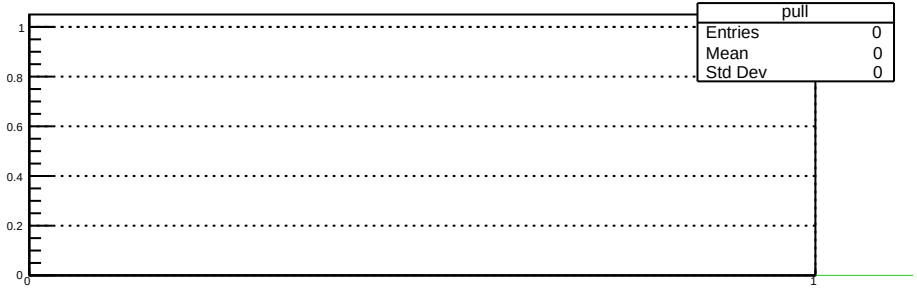
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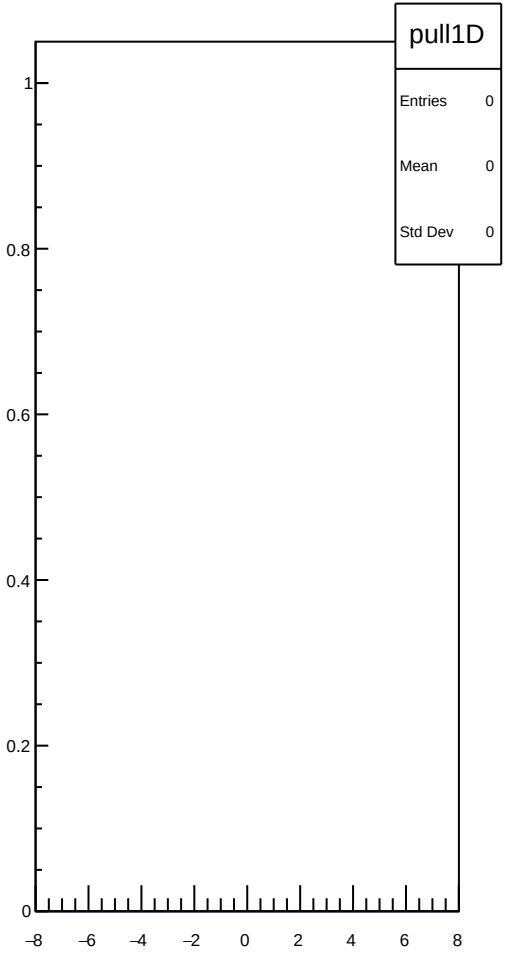
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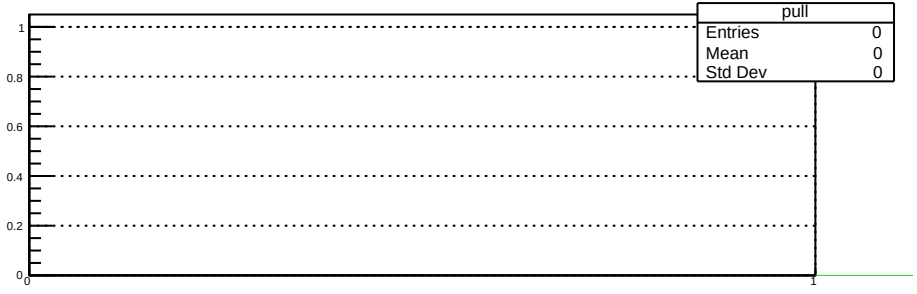
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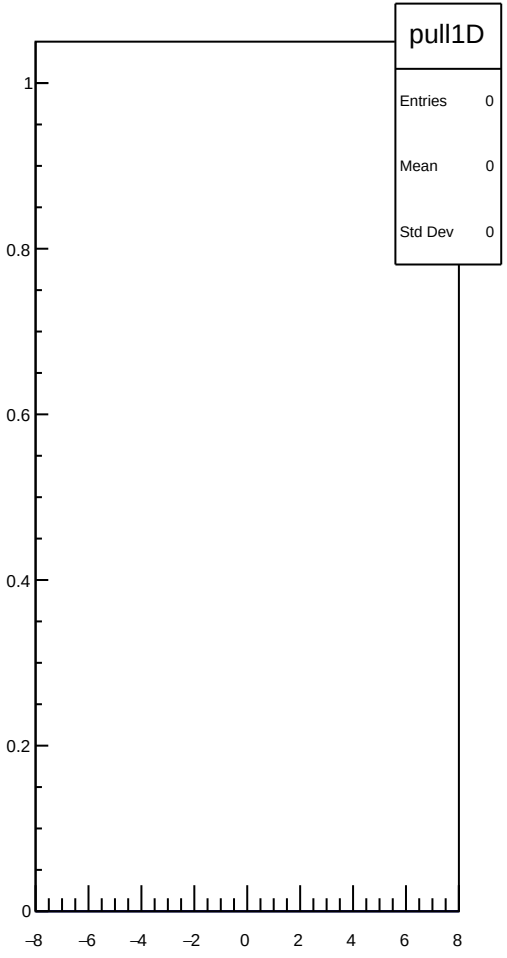
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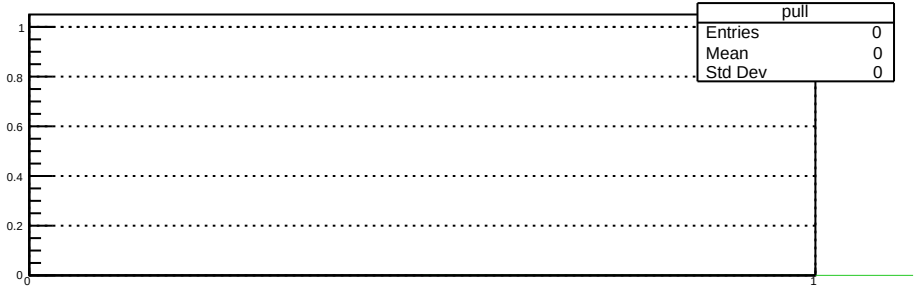
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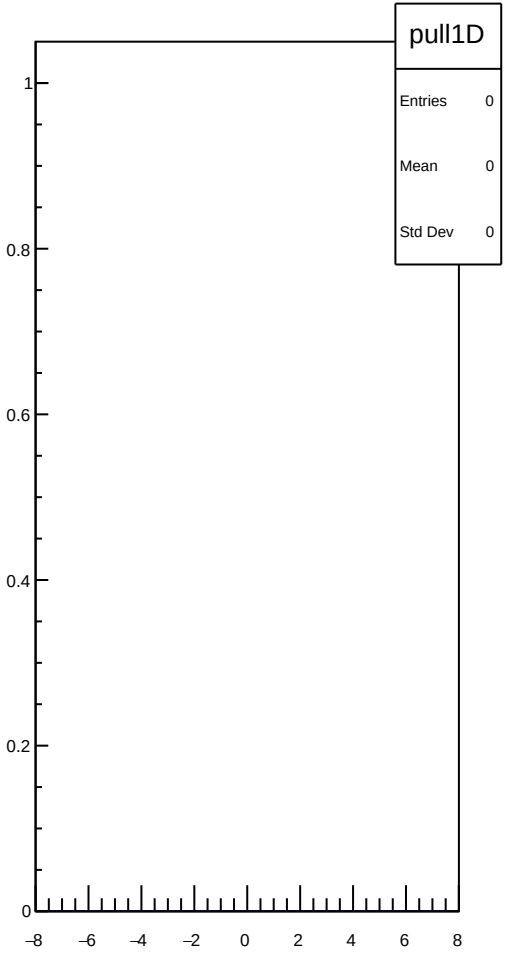
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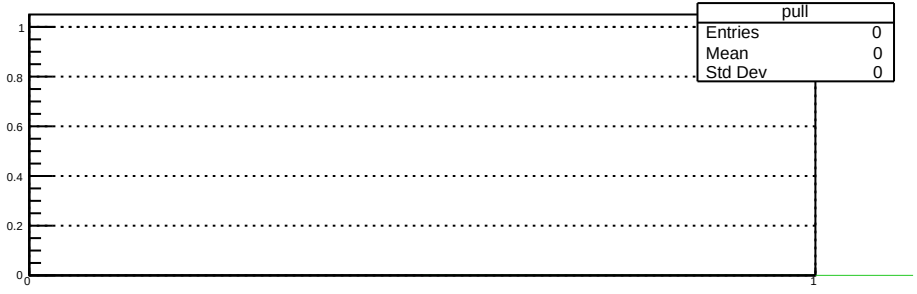
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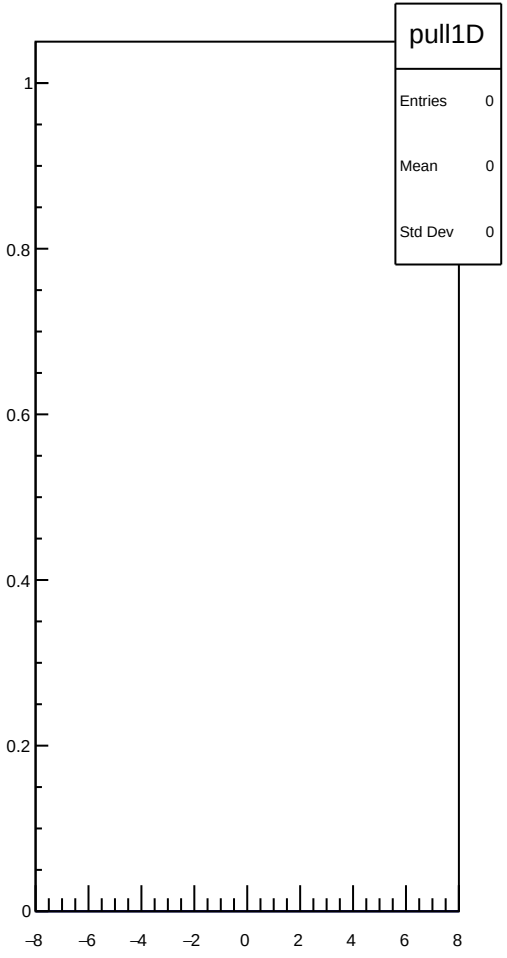
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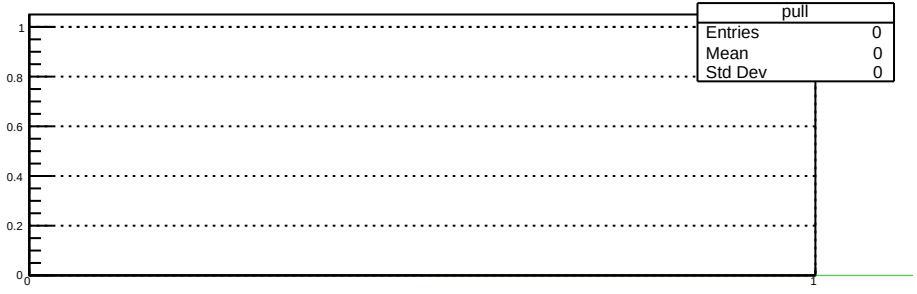
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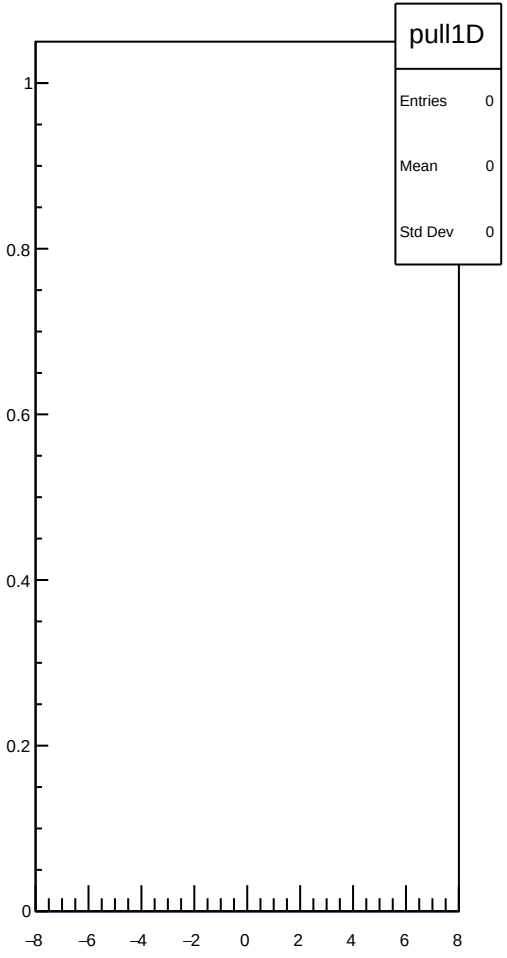
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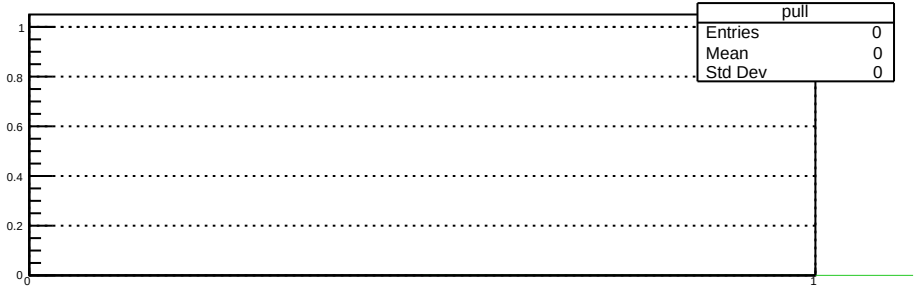
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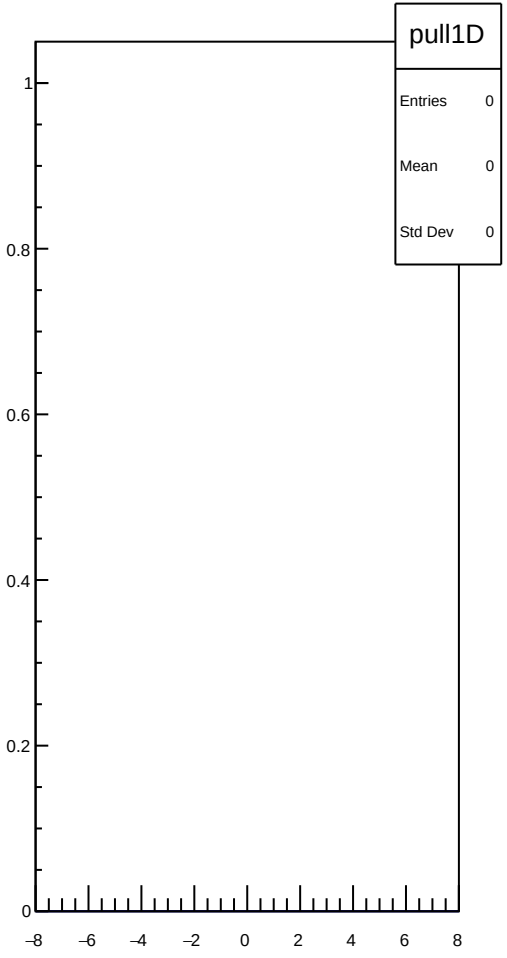
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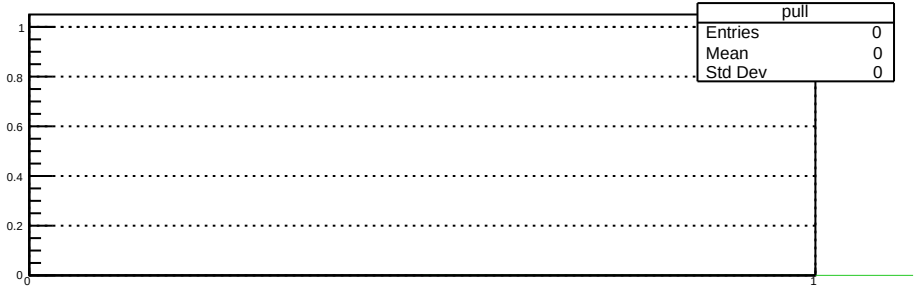
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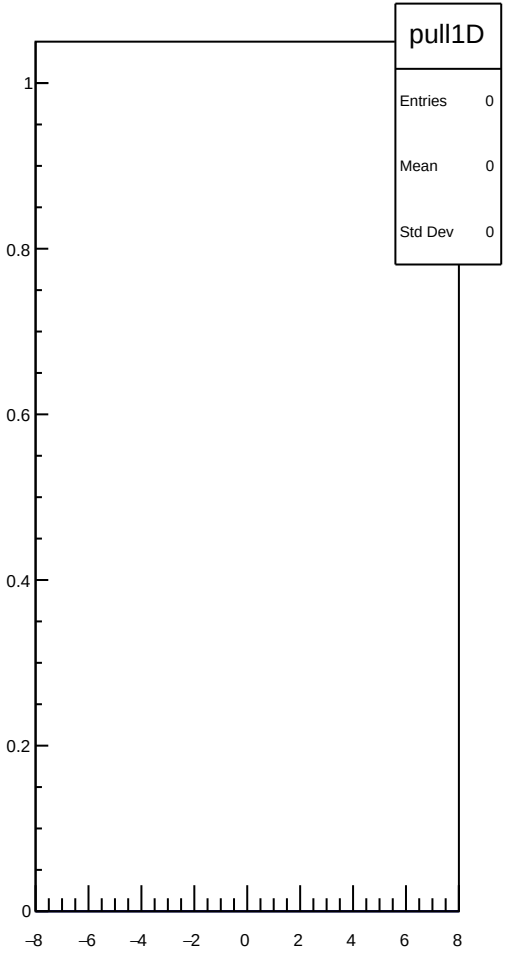
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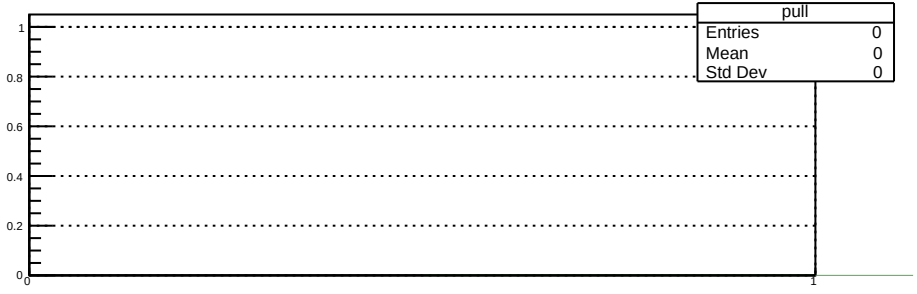
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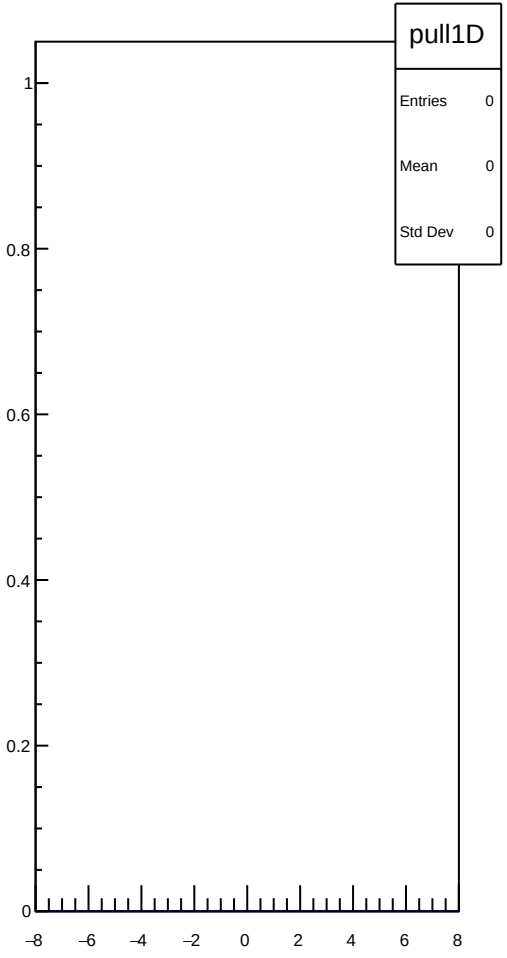
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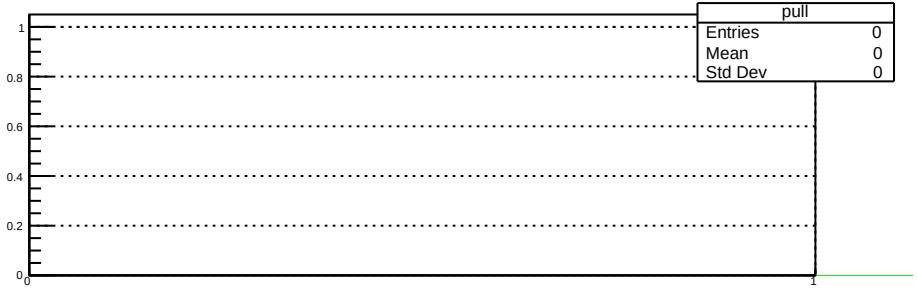
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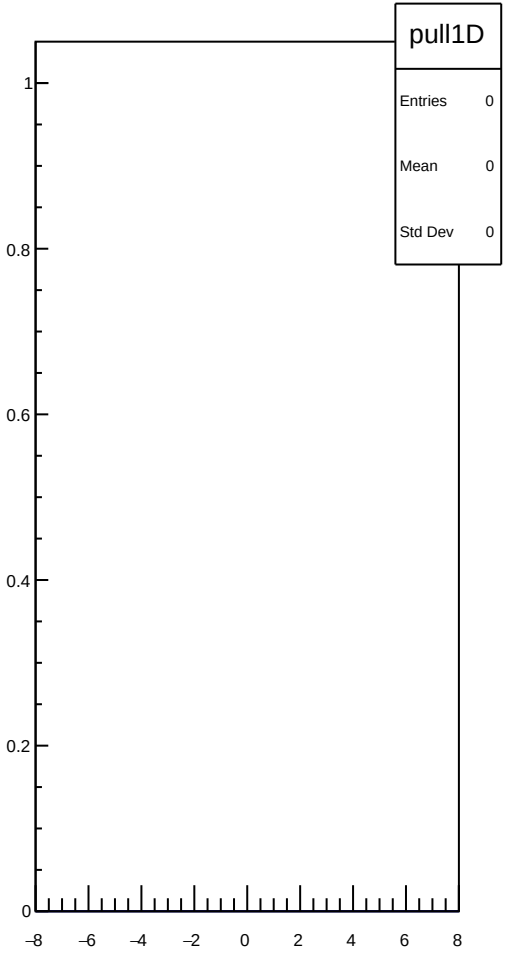
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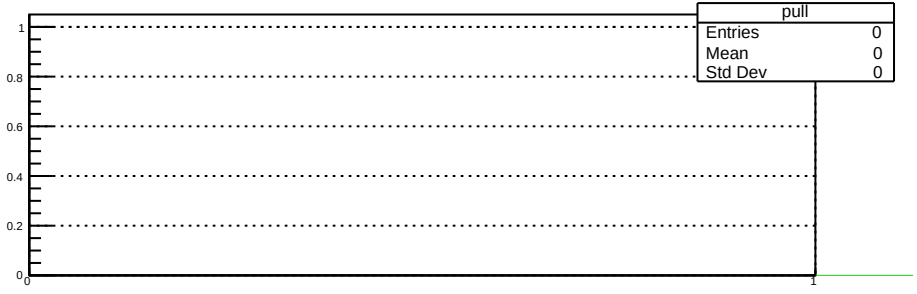
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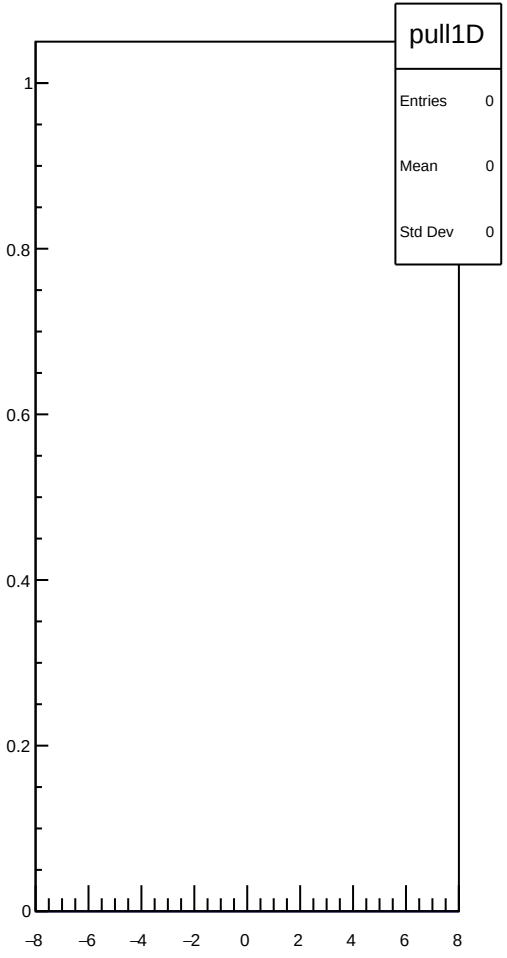
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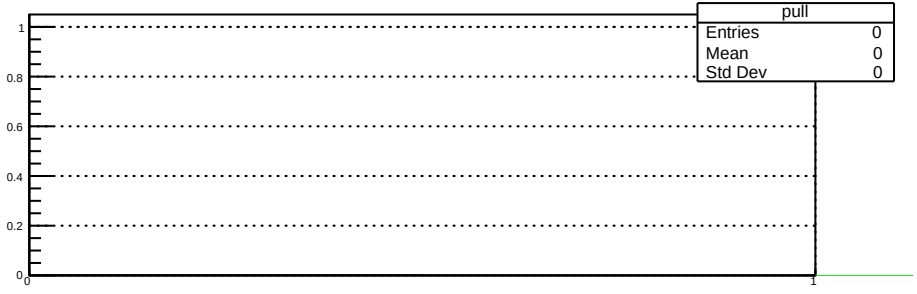
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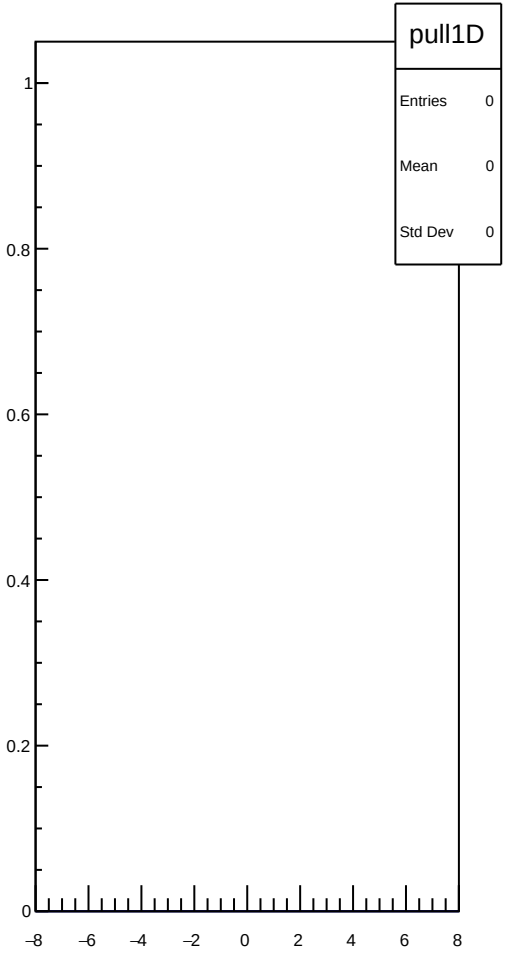
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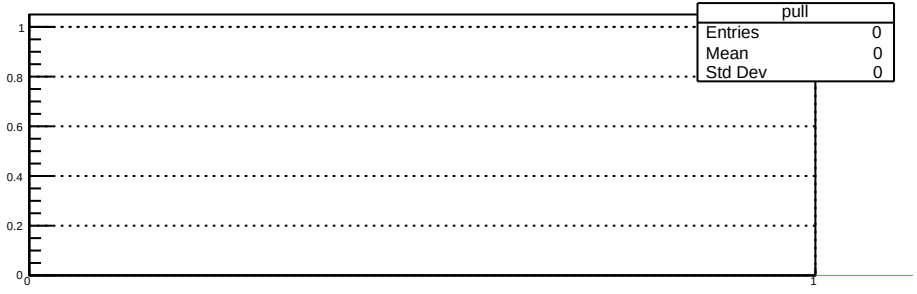
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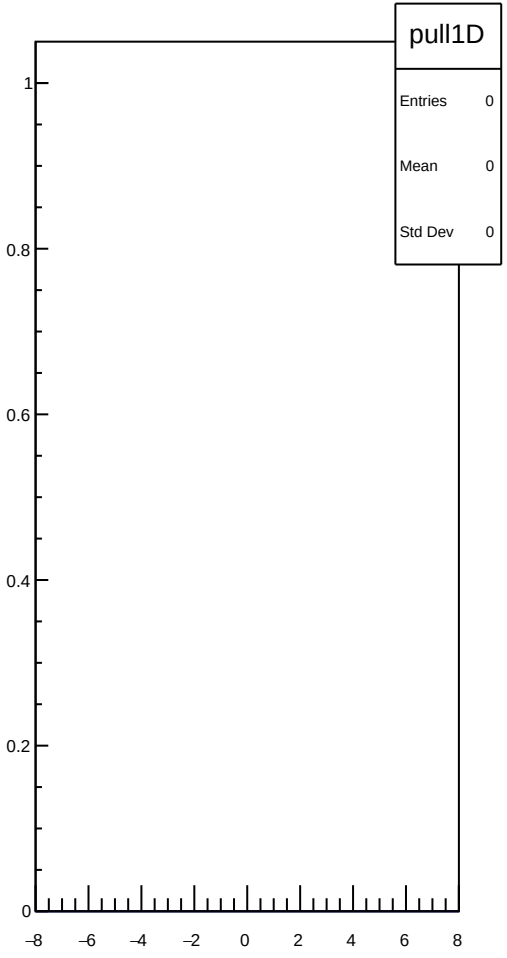
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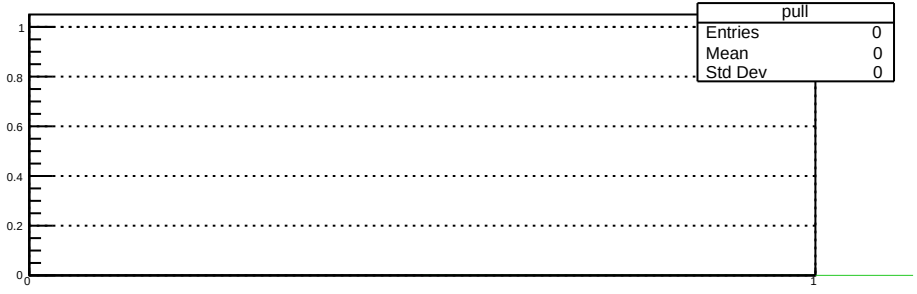
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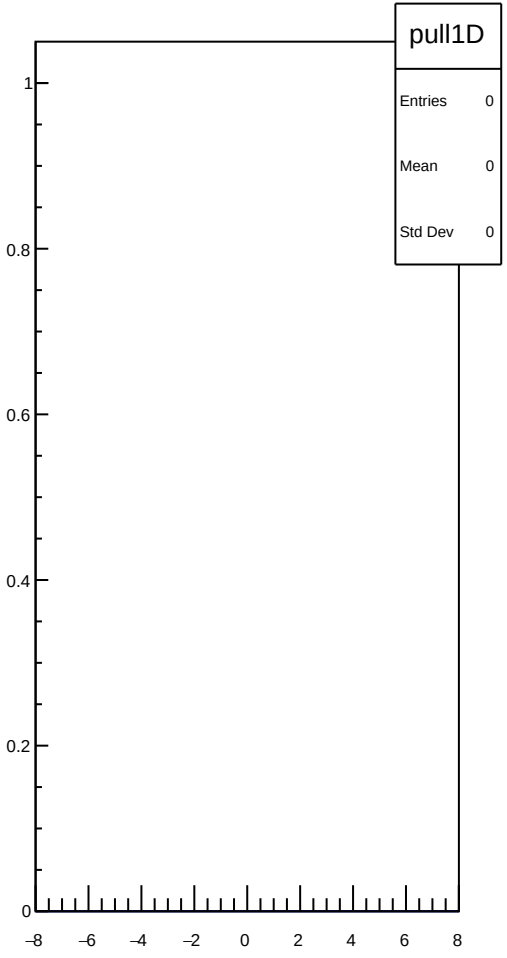
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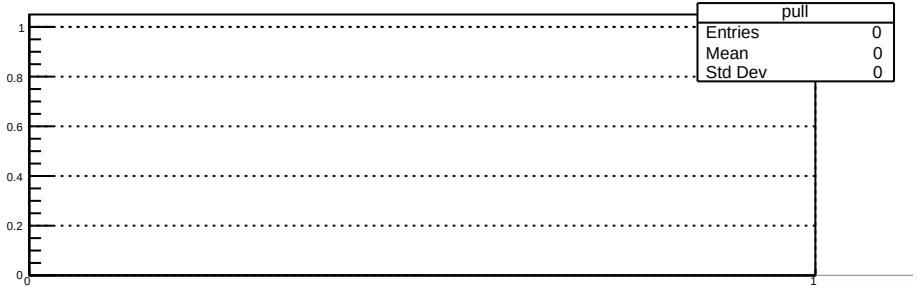
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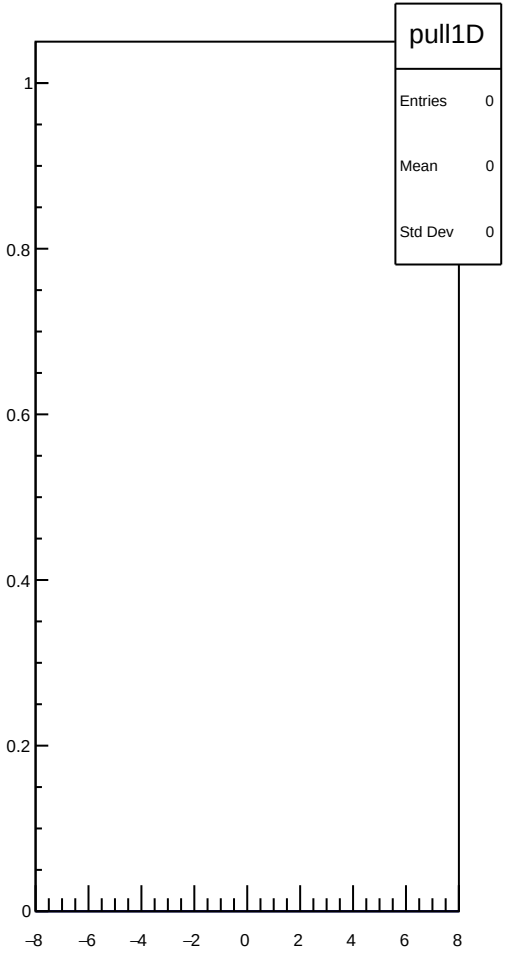
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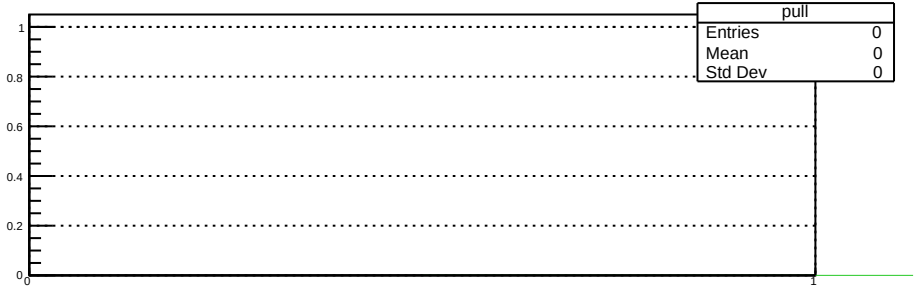
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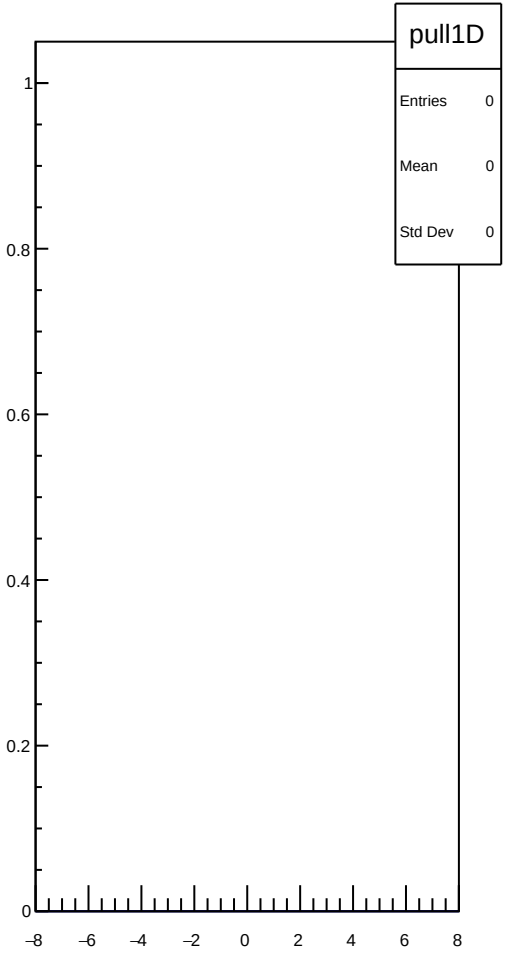
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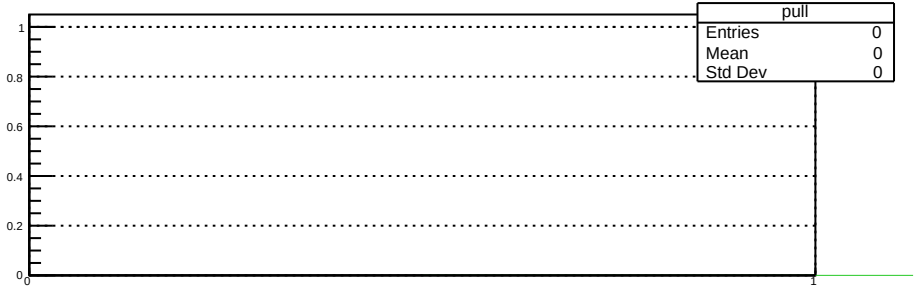
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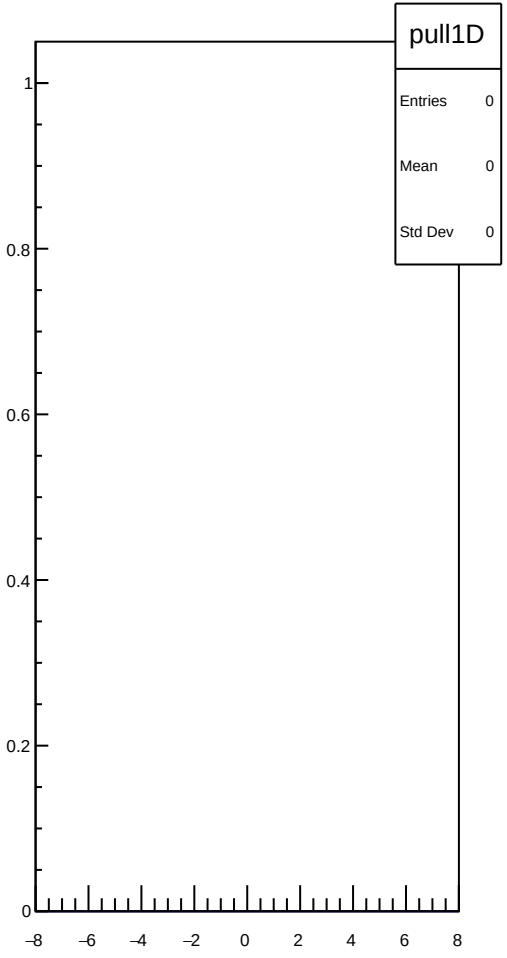
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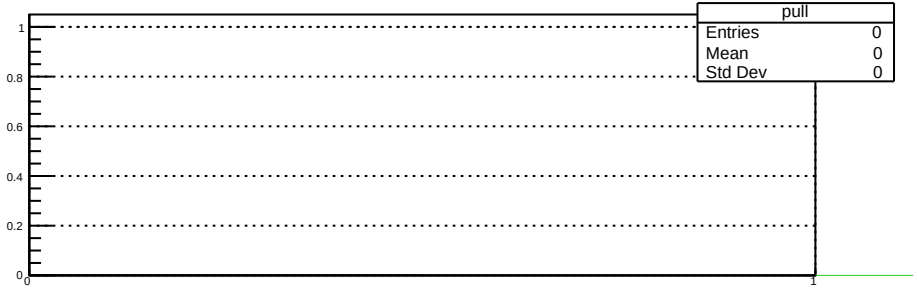
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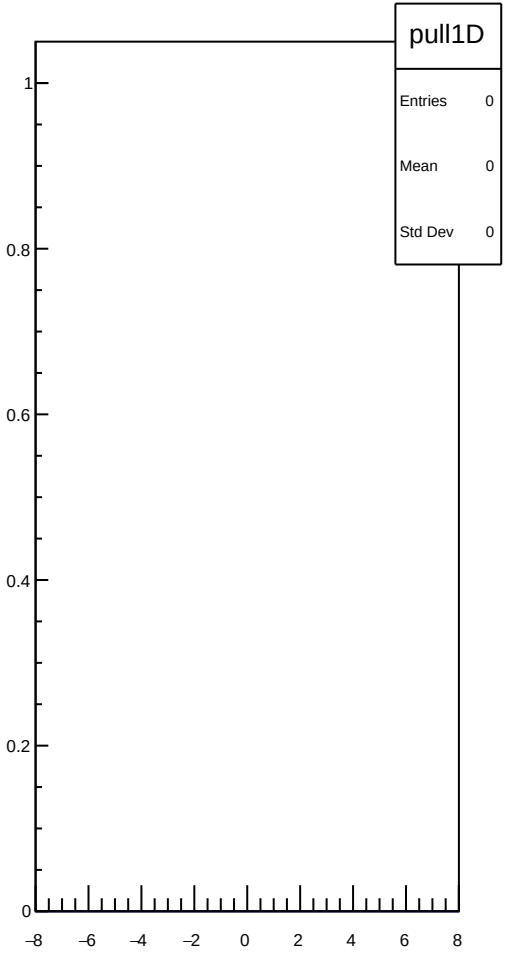
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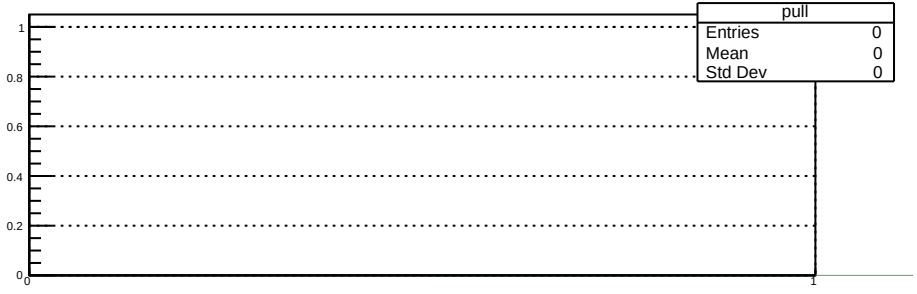
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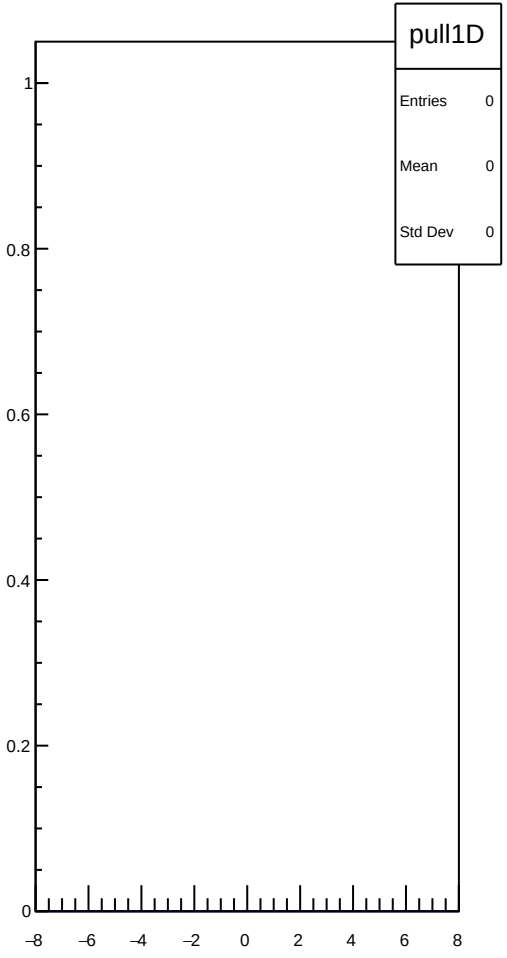
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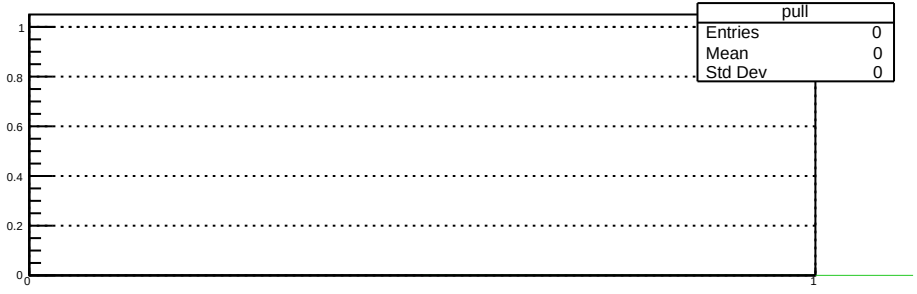
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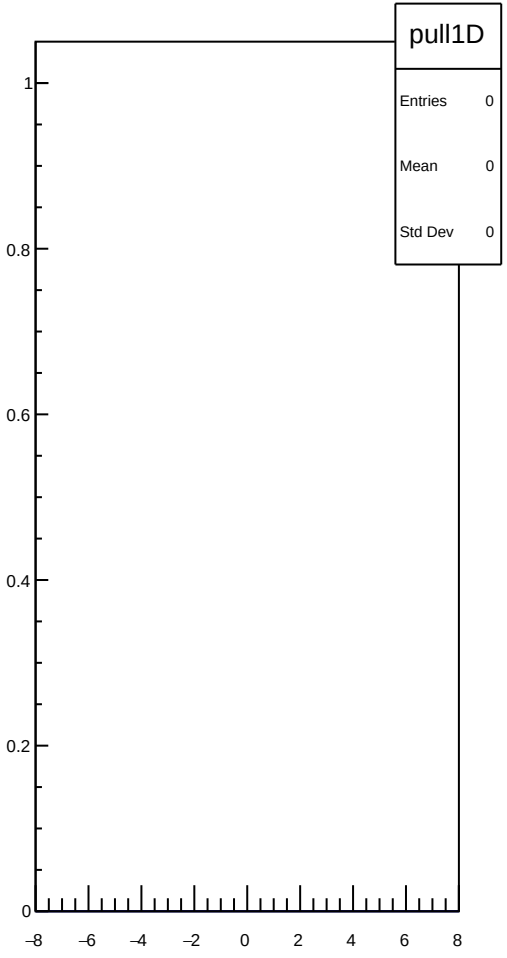
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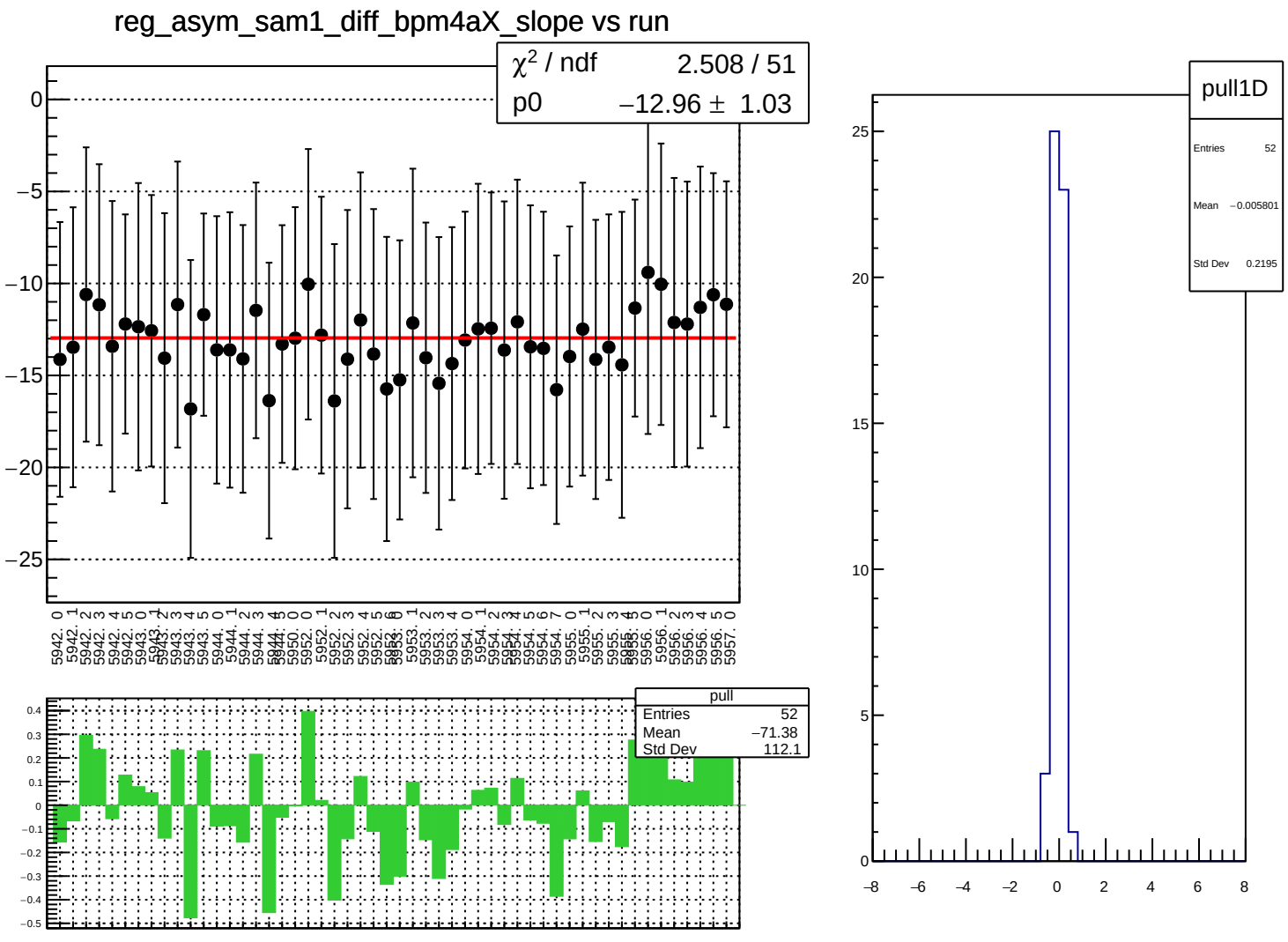
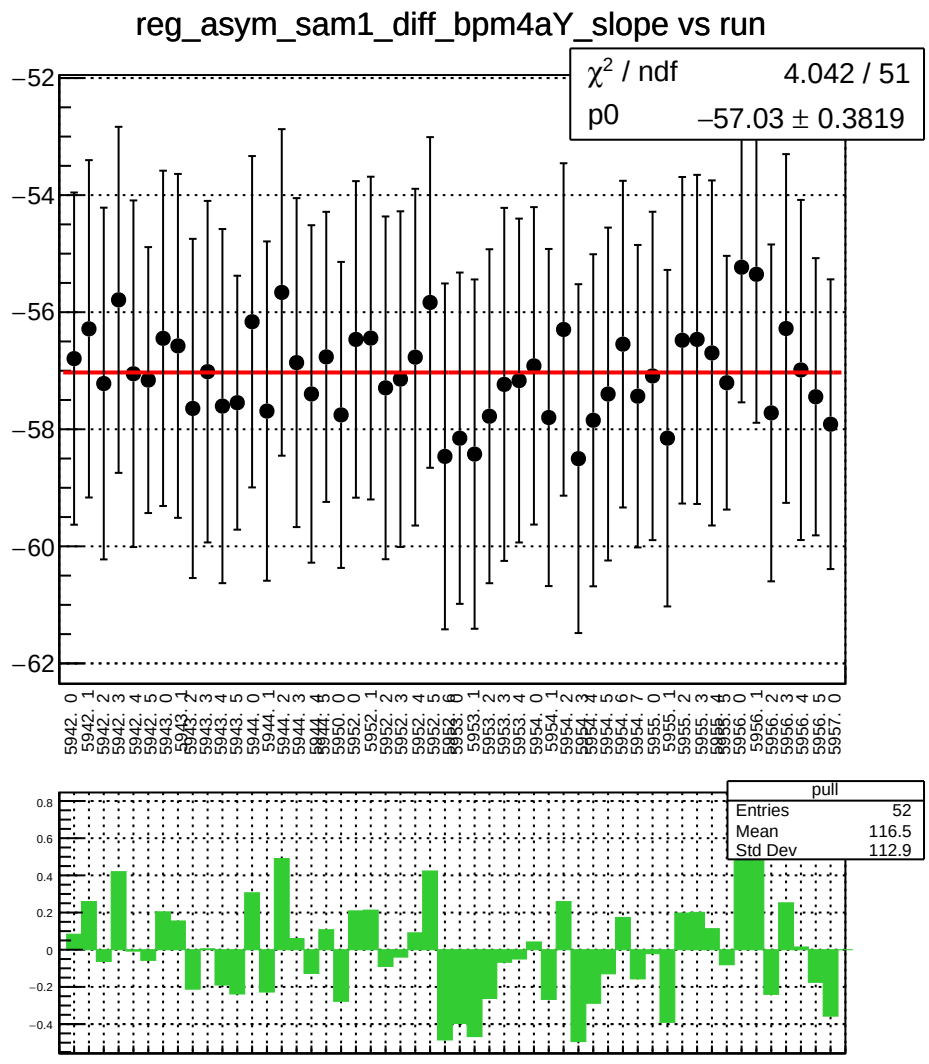
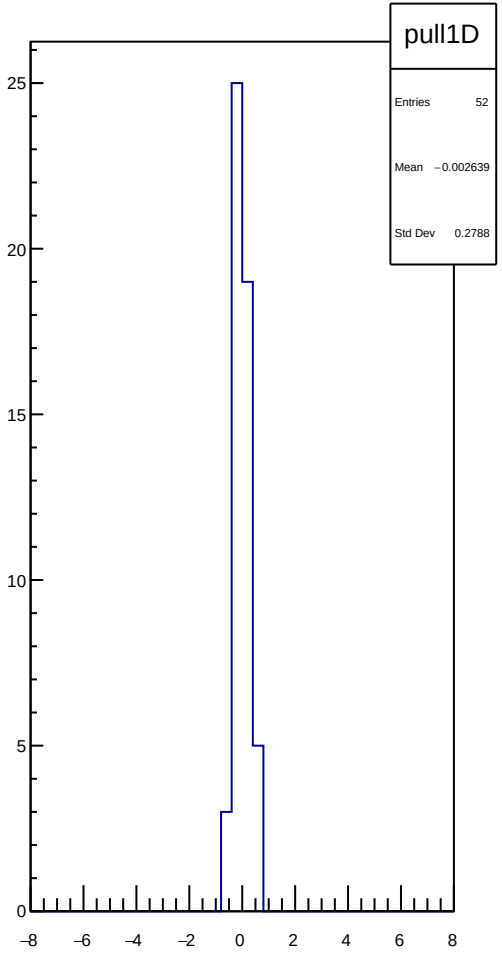

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 2.508 / 51
p0 −12.96 ± 1.03
pull
Entries 52
Mean −71.38
Std Dev 112.1
pull1D
Entries 52
Mean −0.005801
Std Dev 0.2195


reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 4.042 / 51
p0 −57.03 ± 0.3819
pull
Entries 52
Mean 116.5
Std Dev 112.9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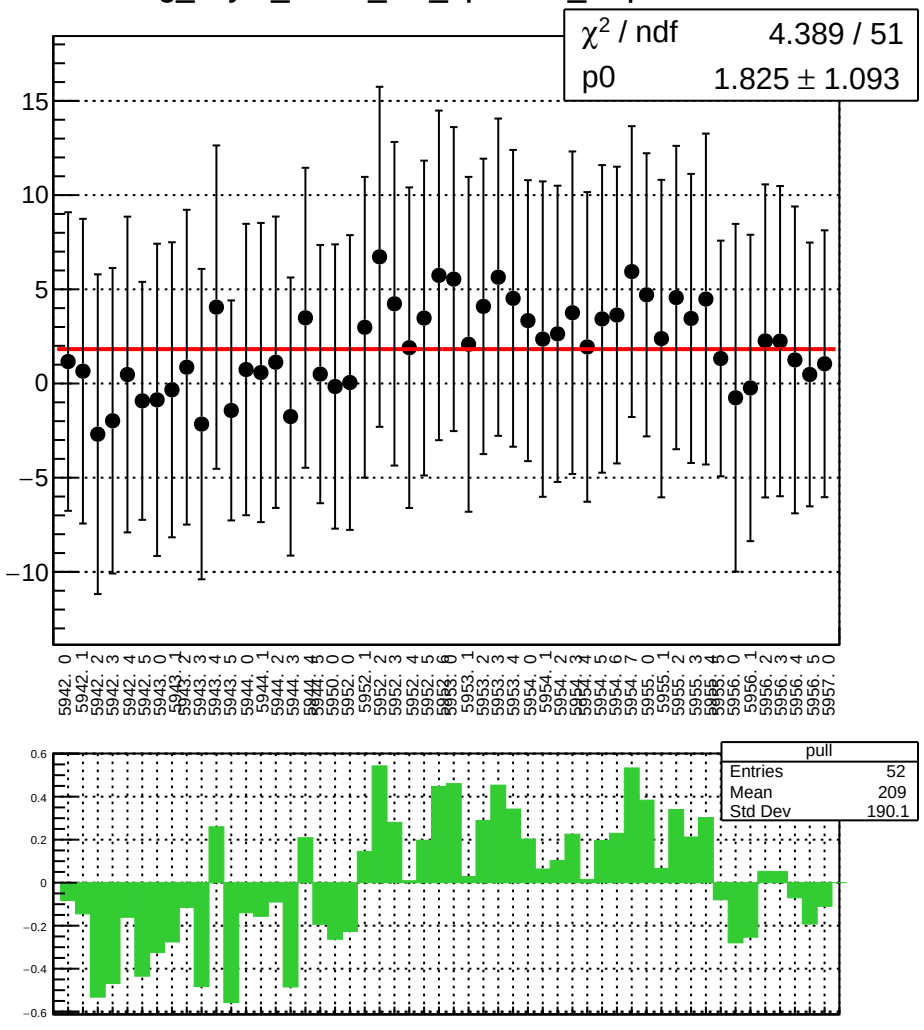
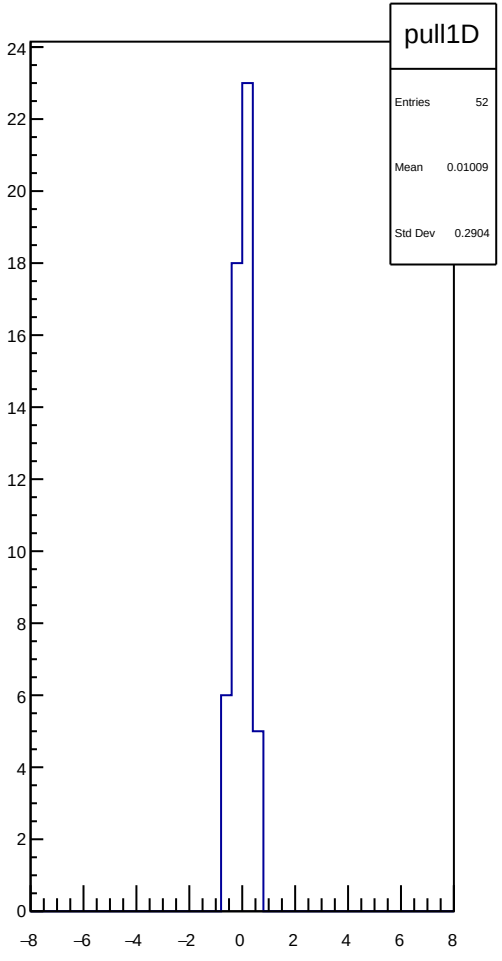
Mean −0.002639
Std Dev 0.2788


reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 4.389 / 51
p0 1.825 ± 1.093
pull
Entries 52
Mean 209
Std Dev 190.1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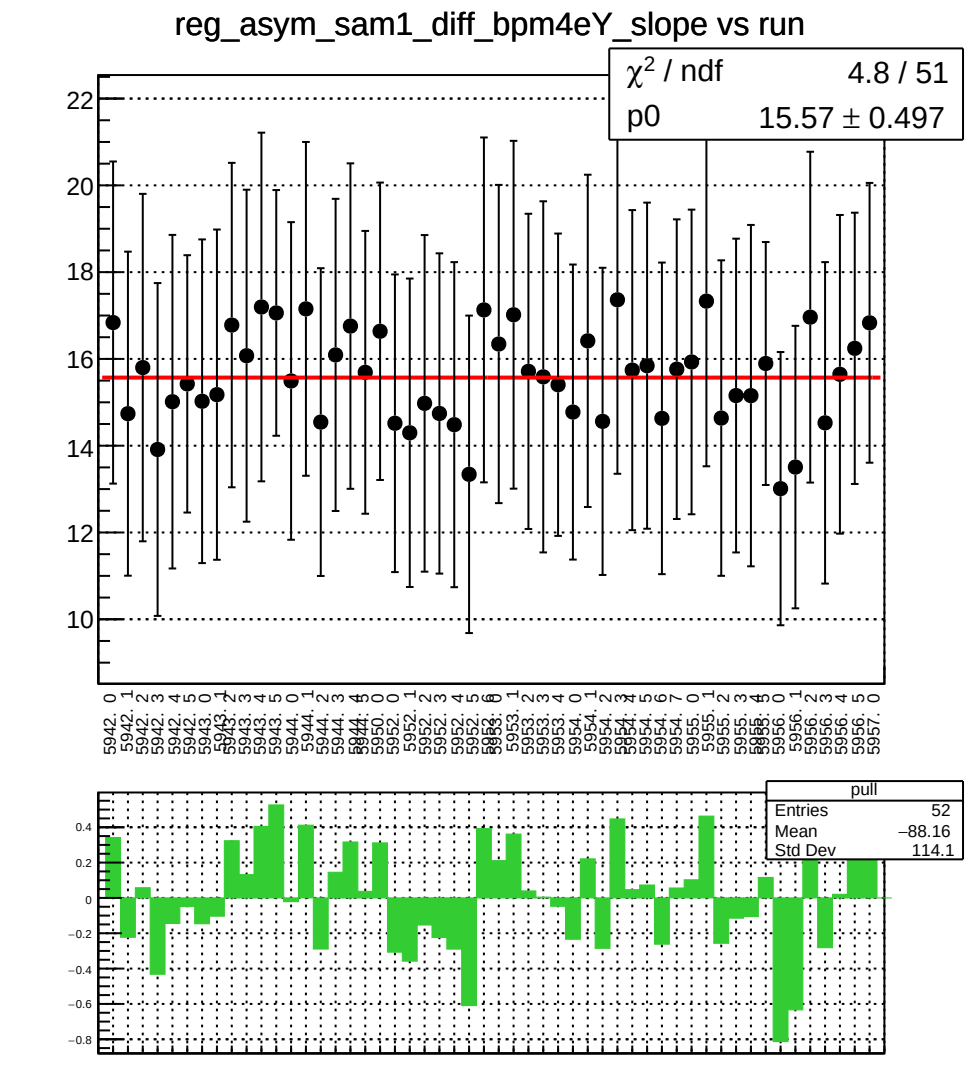
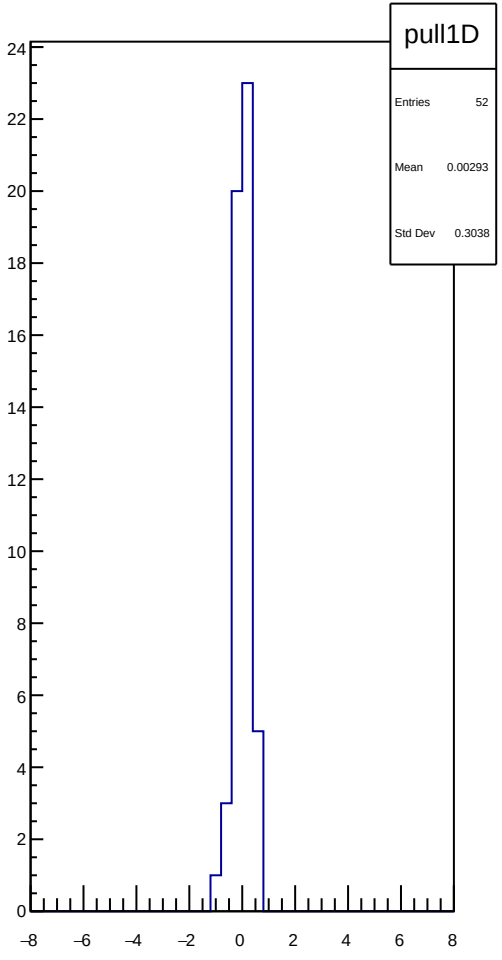
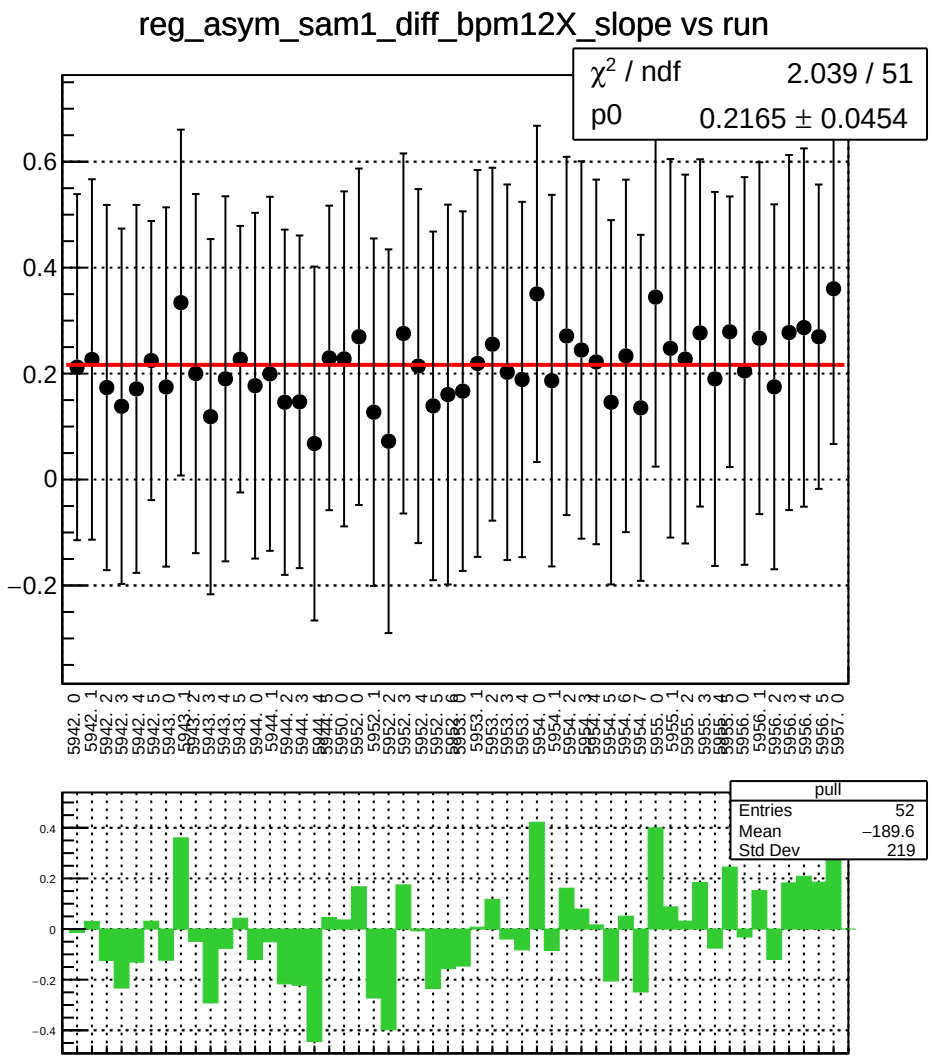
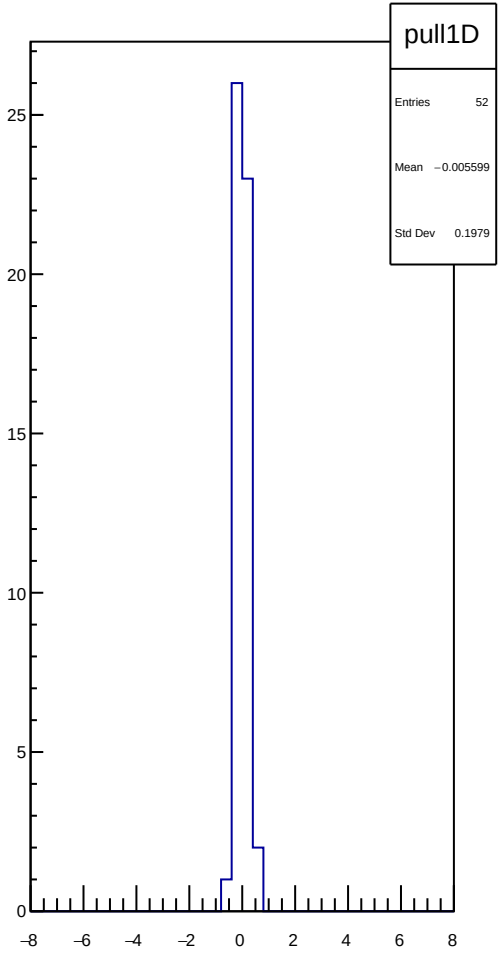
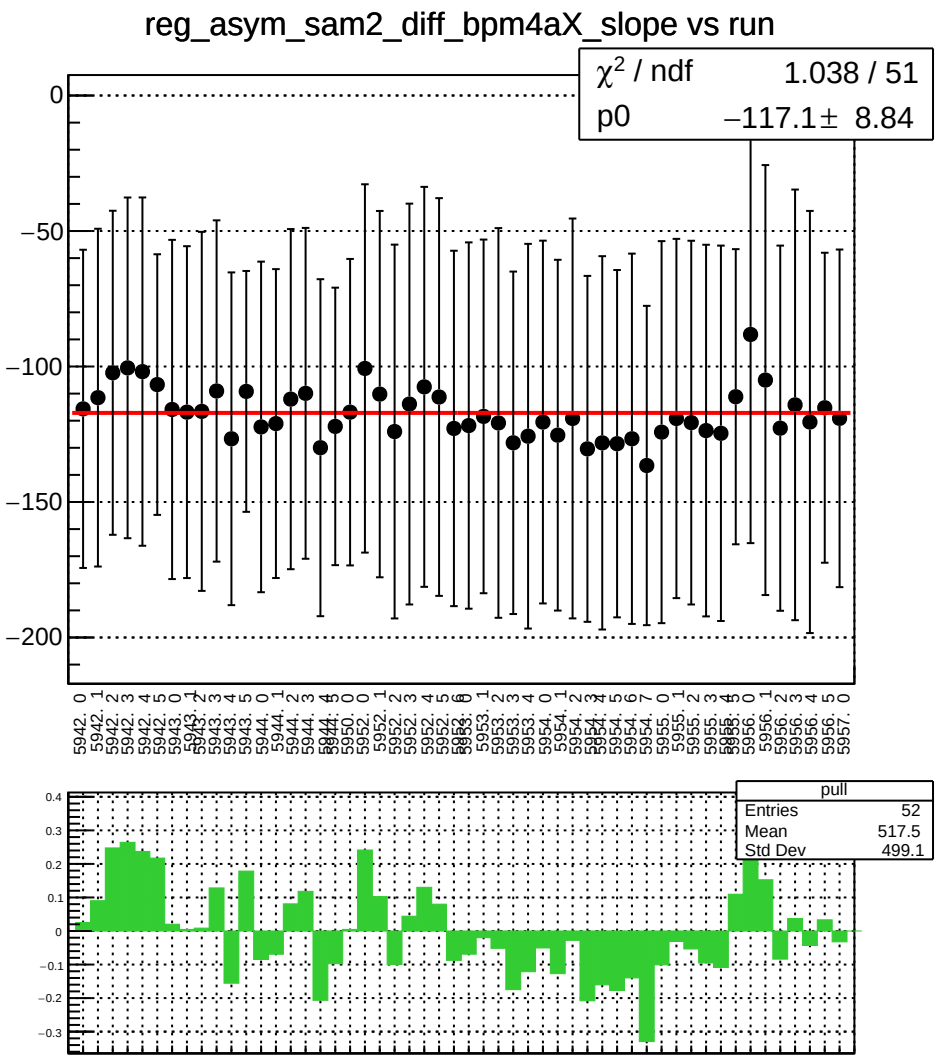
Entries 52
Mean 0.01009
Std Dev 0.2904

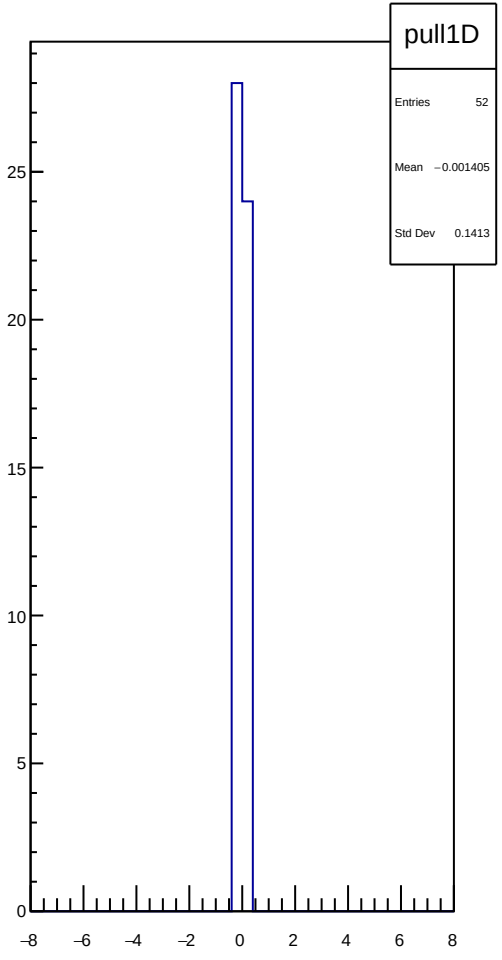

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 4.8 / 51
p0 15.57 ± 0.497
pull
Entries 52
Mean −88.16
Std Dev 114.1

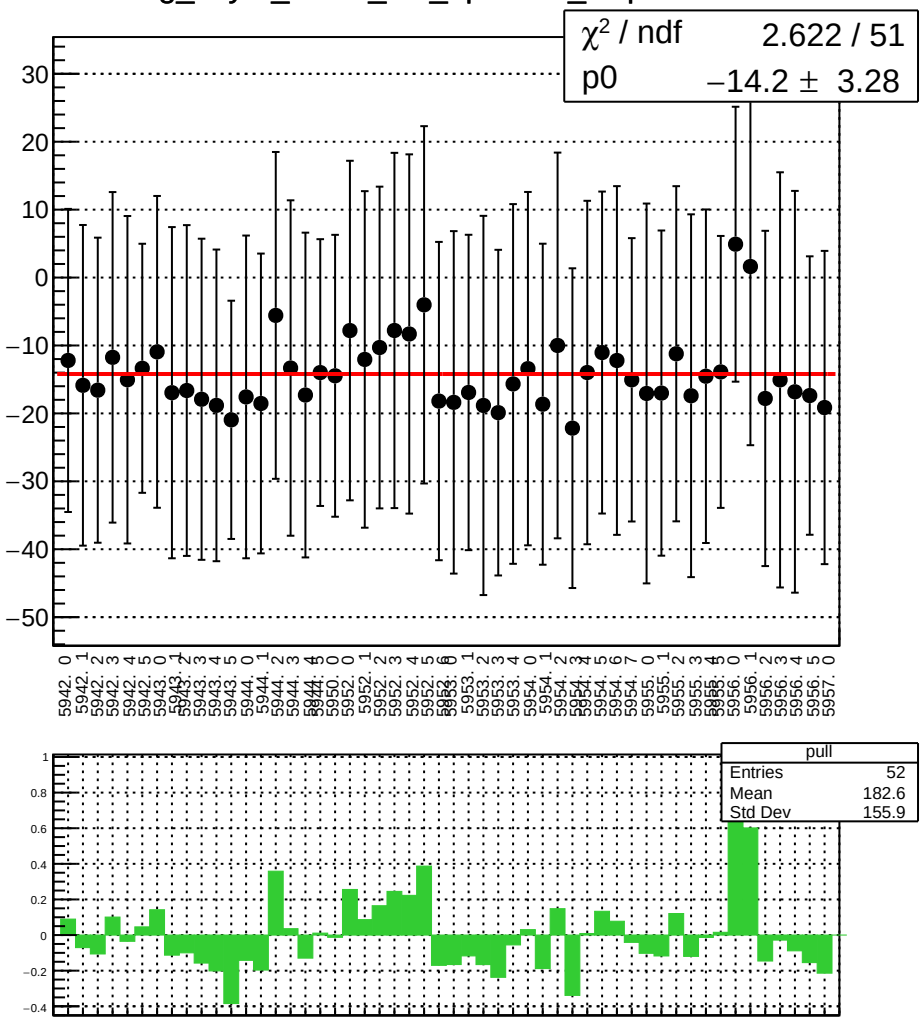

pull1D
Entries 52
Mean 0.00293
Std Dev 0.3038

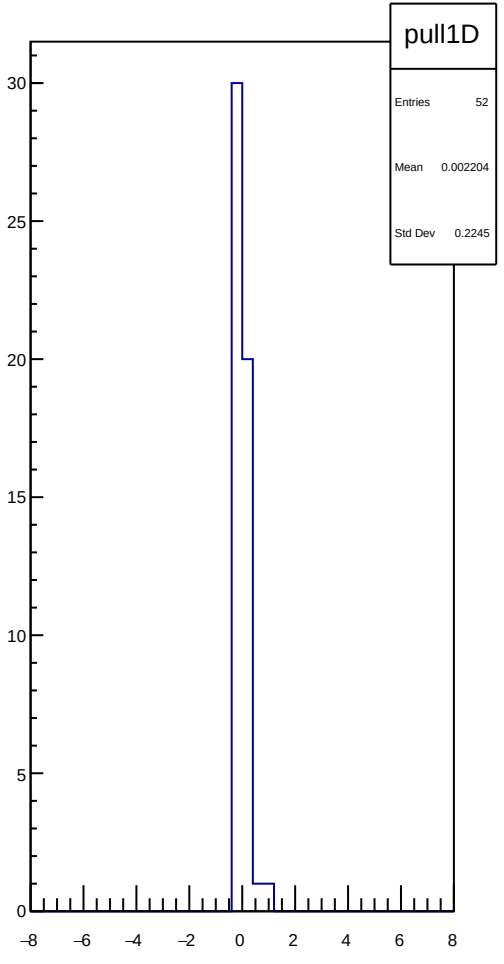

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.039 / 51
p0 0.2165 ± 0.0454
pull
Entries 52
Mean −189.6
Std Dev 219

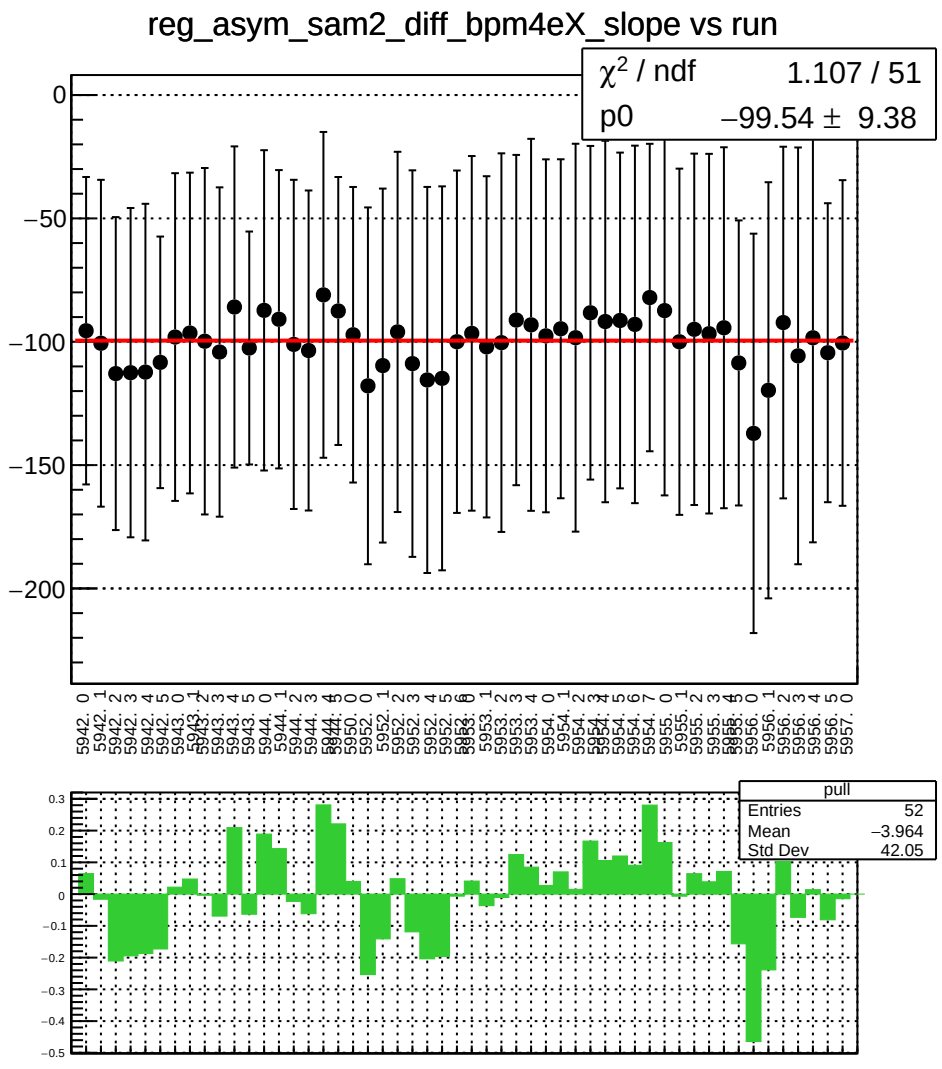

pull1D
Entries 52
Mean −0.005599
Std Dev 0.1979

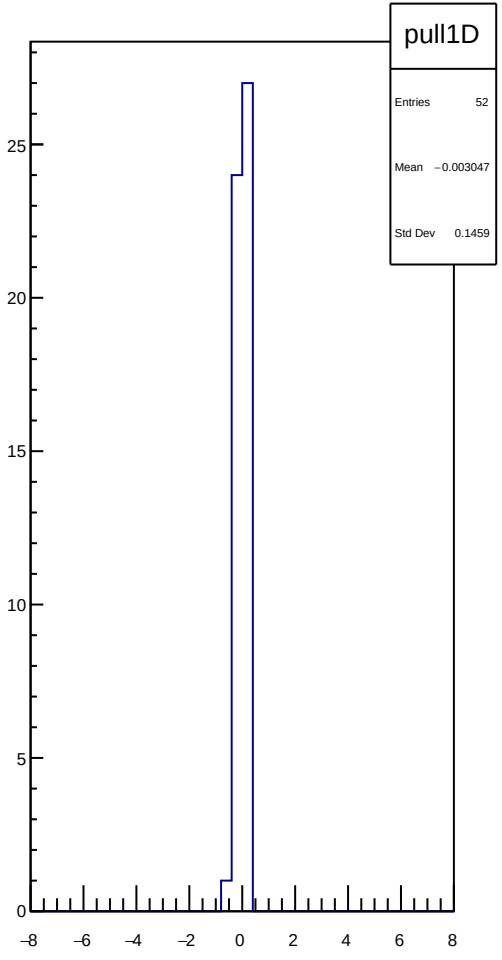

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 1.038 / 51
p0 −117.1± 8.84
pull
Entries 52
Mean 517.5
Std Dev 499.1

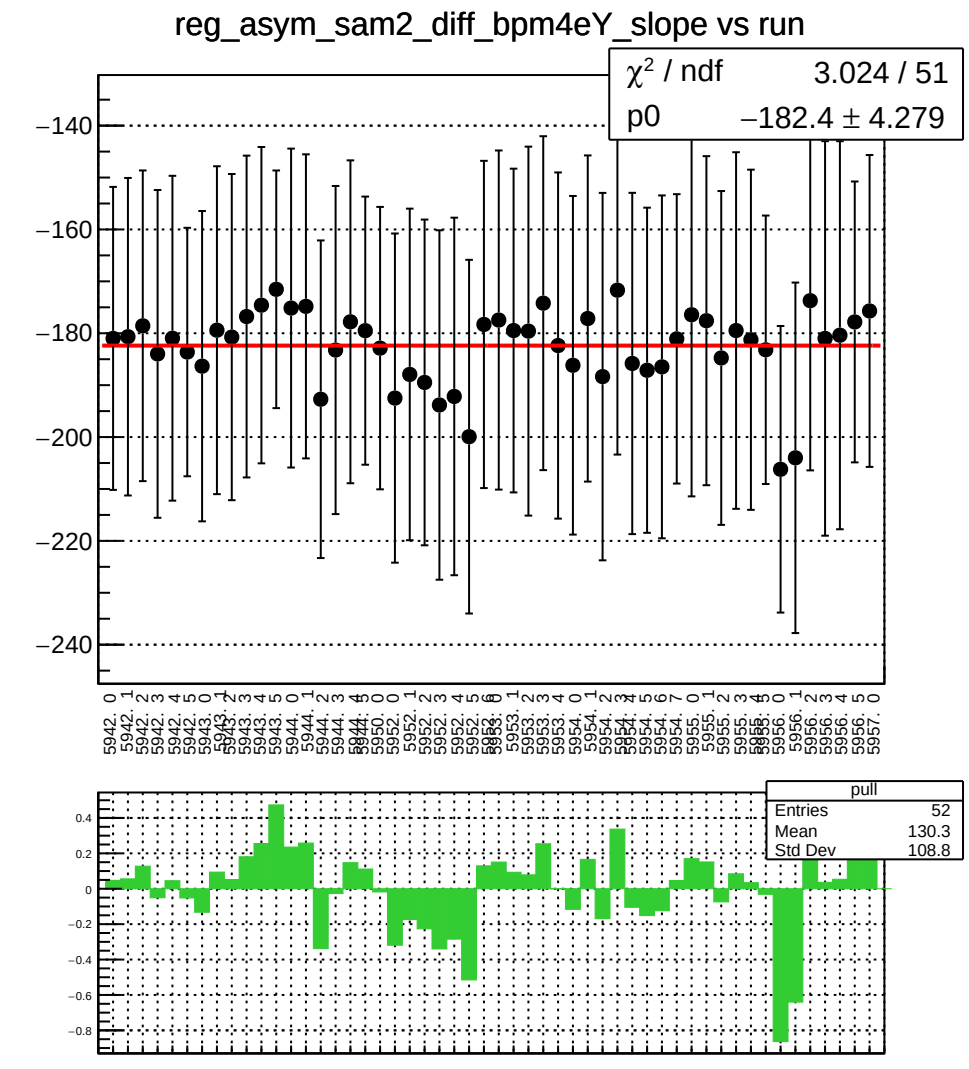

pull1D
Entries 52
Mean −0.001405
Std Dev 0.1413

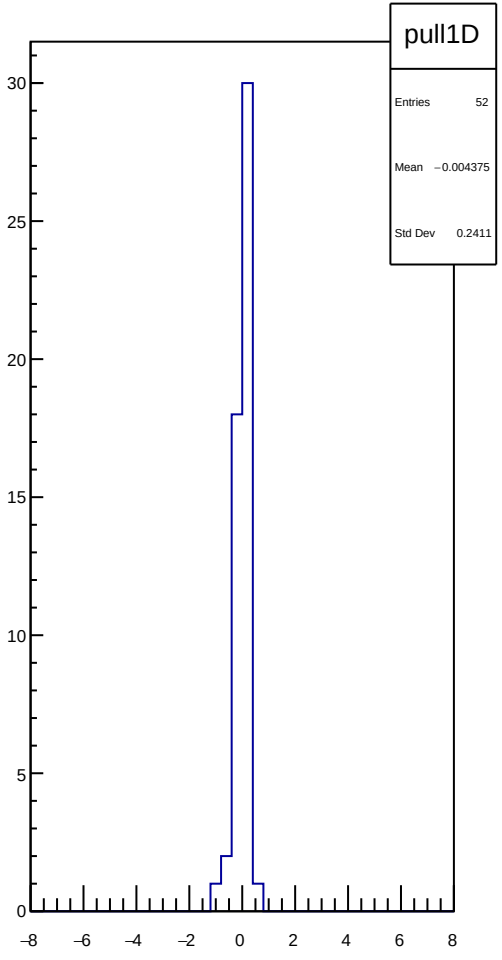

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.622 / 51
p0 −14.2 ± 3.28
pull
Entries 52
Mean 182.6
Std Dev 155.9

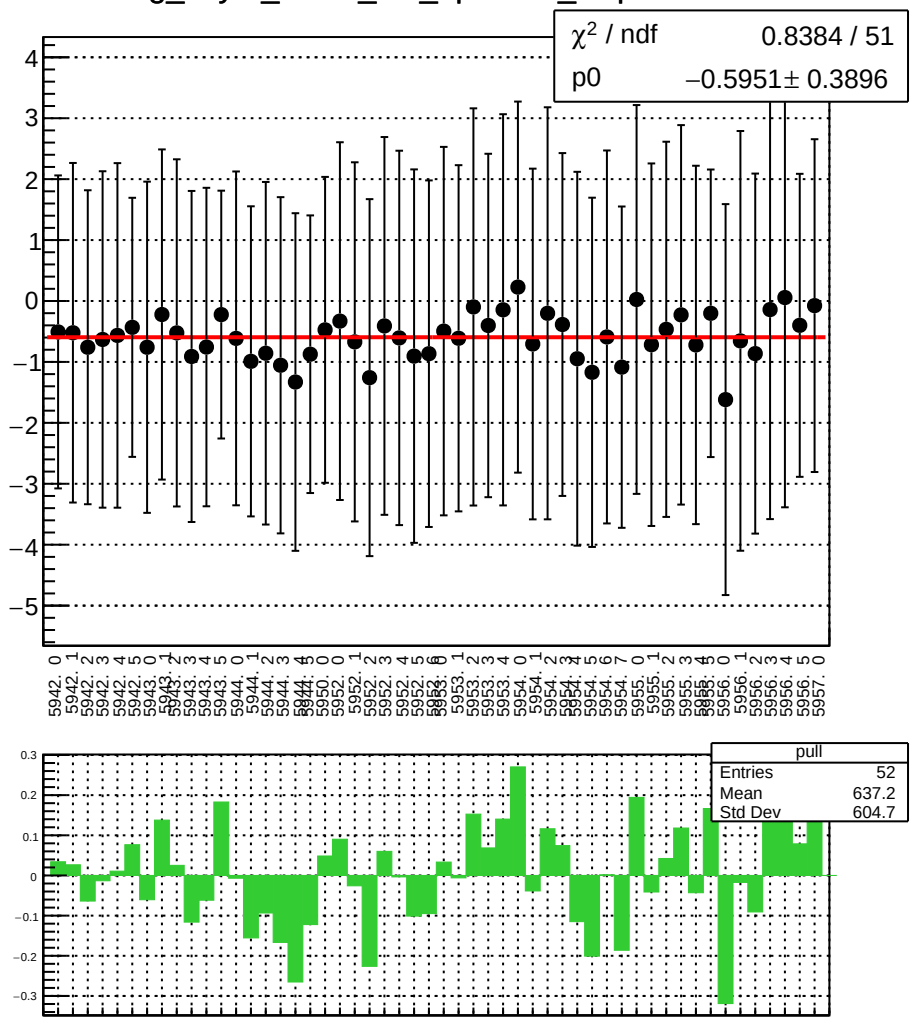

pull1D
Entries 52
Mean 0.002204
Std Dev 0.2245

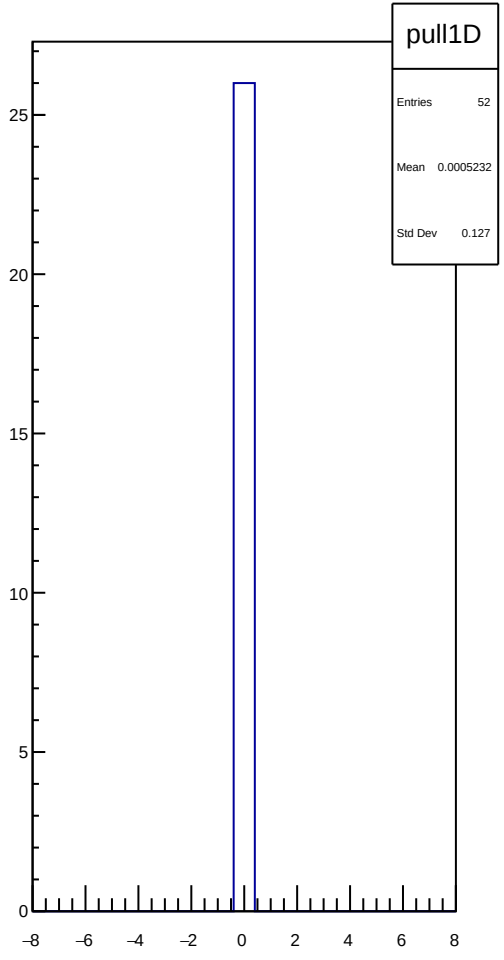

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.107 / 51
p0 −99.54 ± 9.38
pull
Entries 52
Mean −3.964
Std Dev 42.05

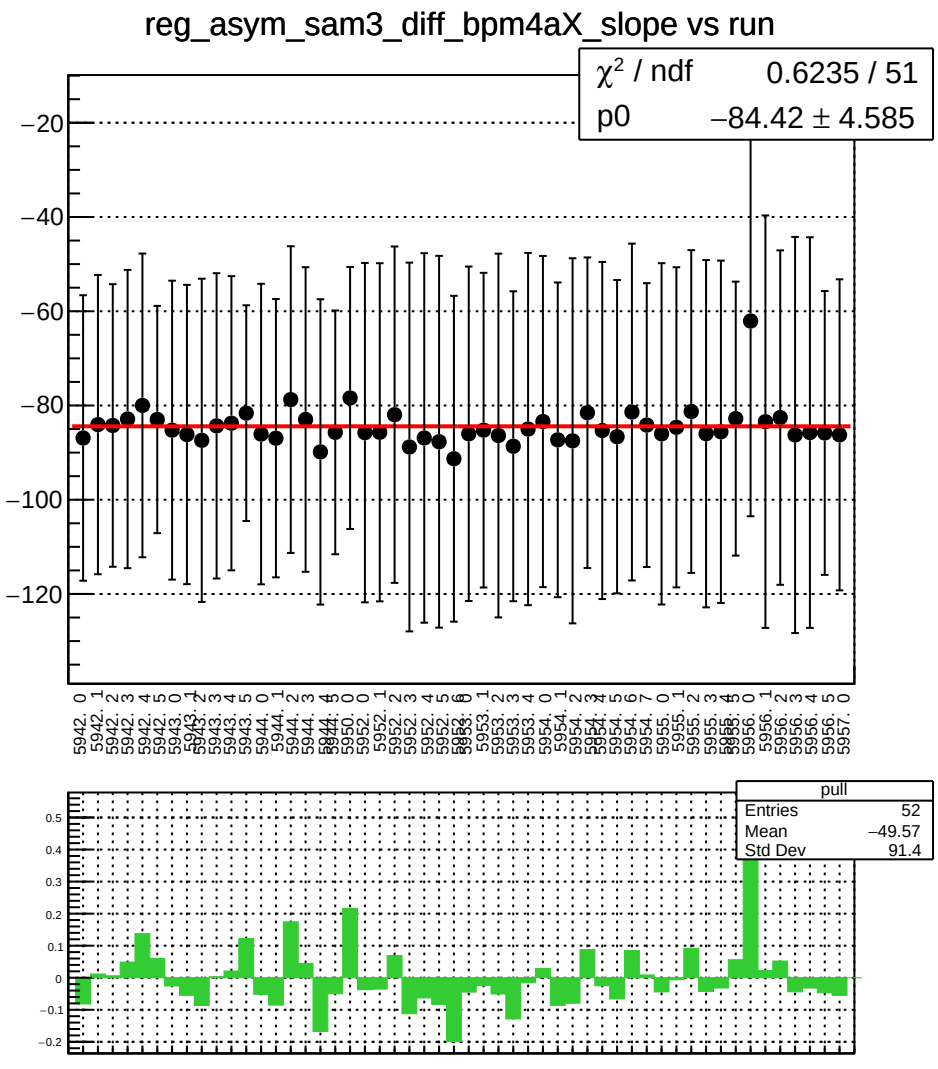

pull1D
Entries 52
Mean −0.003047
Std Dev 0.1459

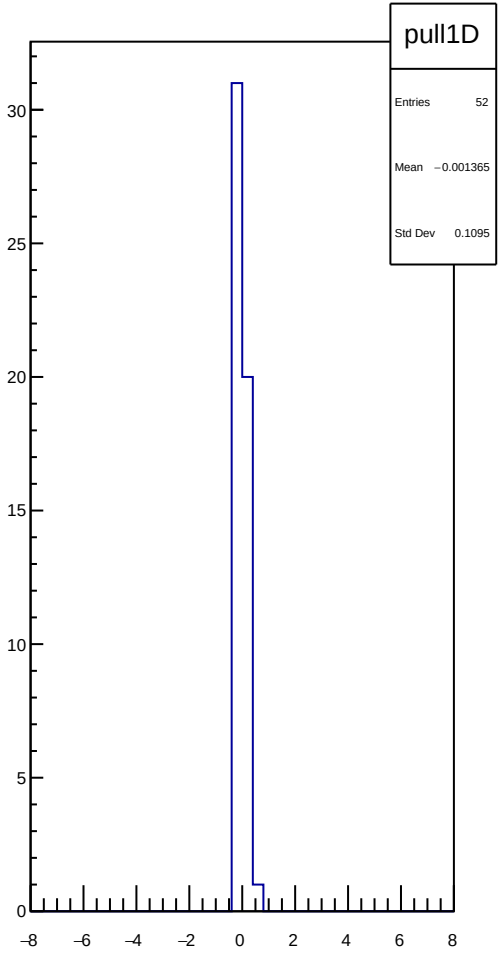

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 3.024 / 51
p0 −182.4 ± 4.279
pull
Entries 52
Mean 130.3
Std Dev 108.8

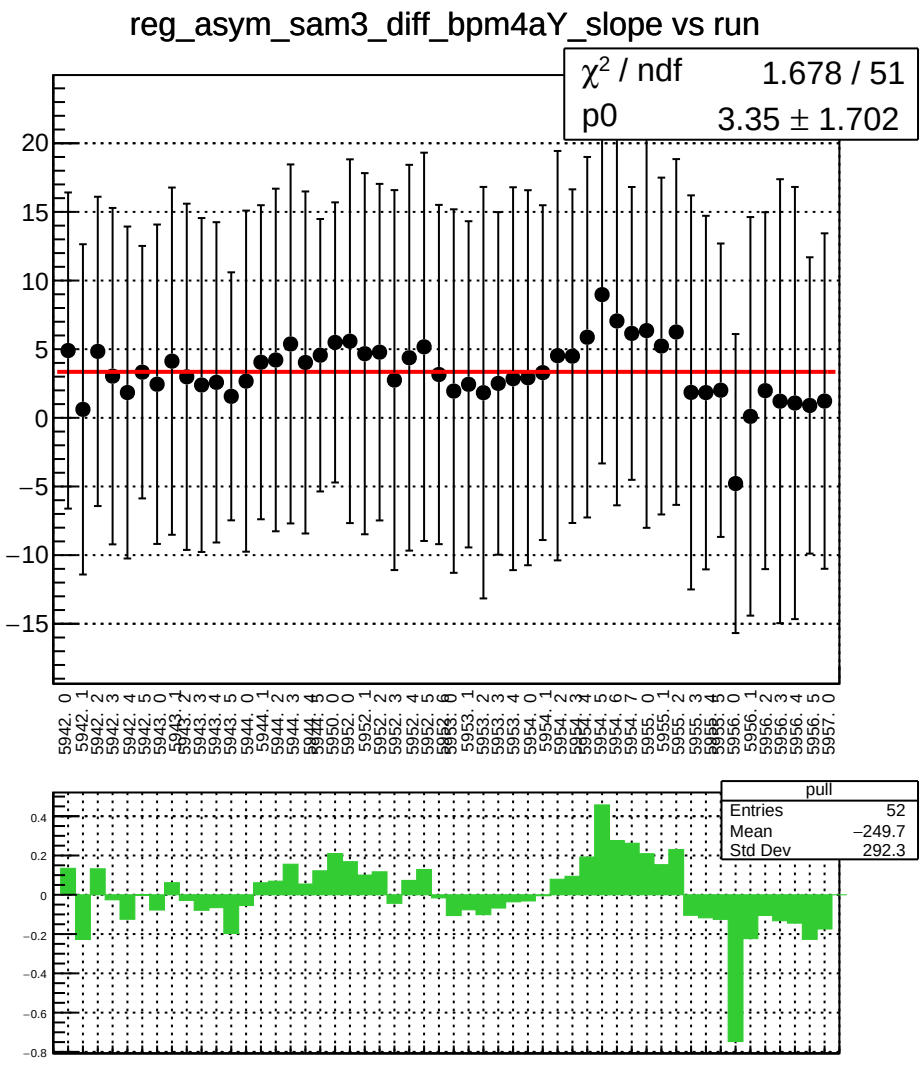

pull1D
Entries 52
Mean −0.004375
Std Dev 0.2411

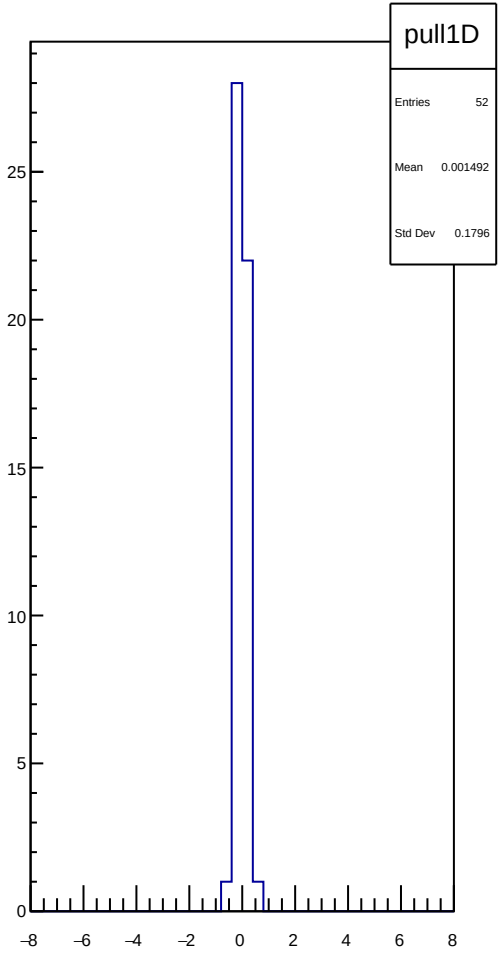

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.8384 / 51
p0 −0.5951± 0.3896
pull
Entries 52
Mean 637.2
Std Dev 604.7

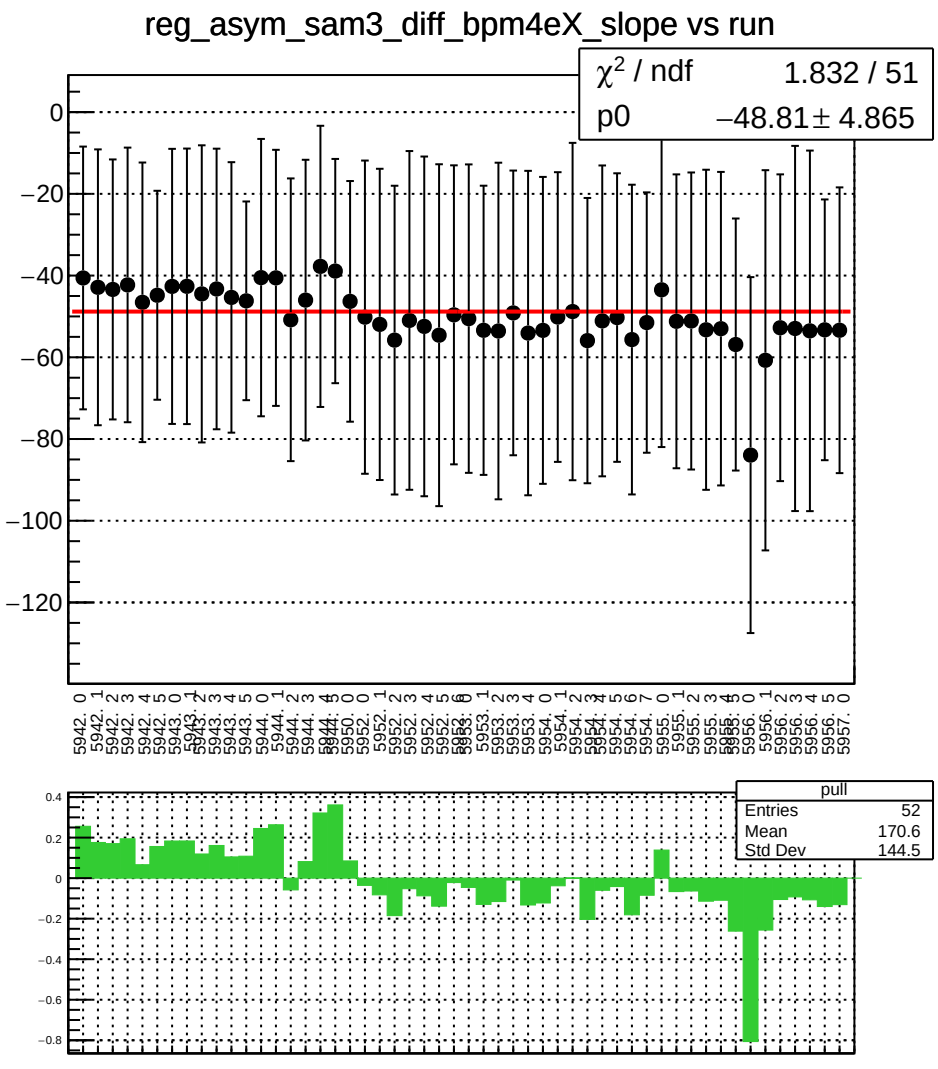

pull1D
Entries 52
Mean 0.0005232
Std Dev 0.127

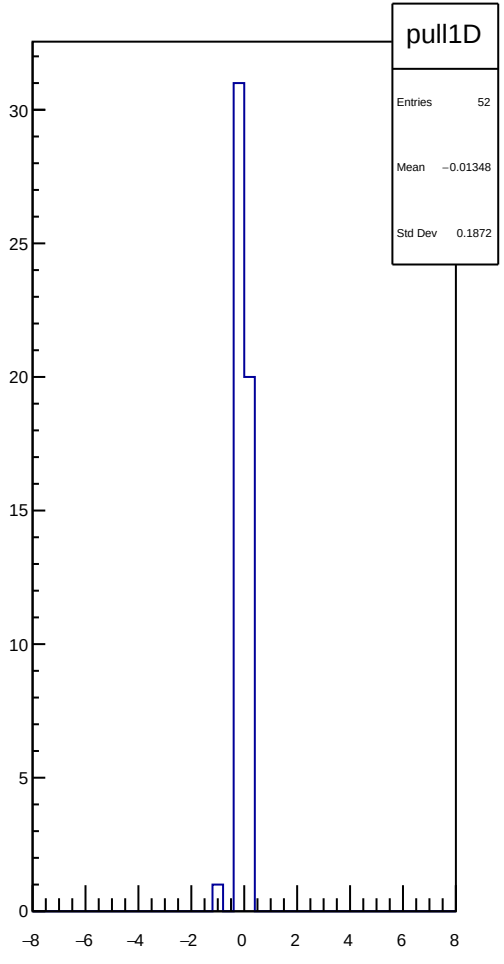

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 0.6235 / 51
p0 −84.42 ± 4.585
pull
Entries 52
Mean −49.57
Std Dev 91.4

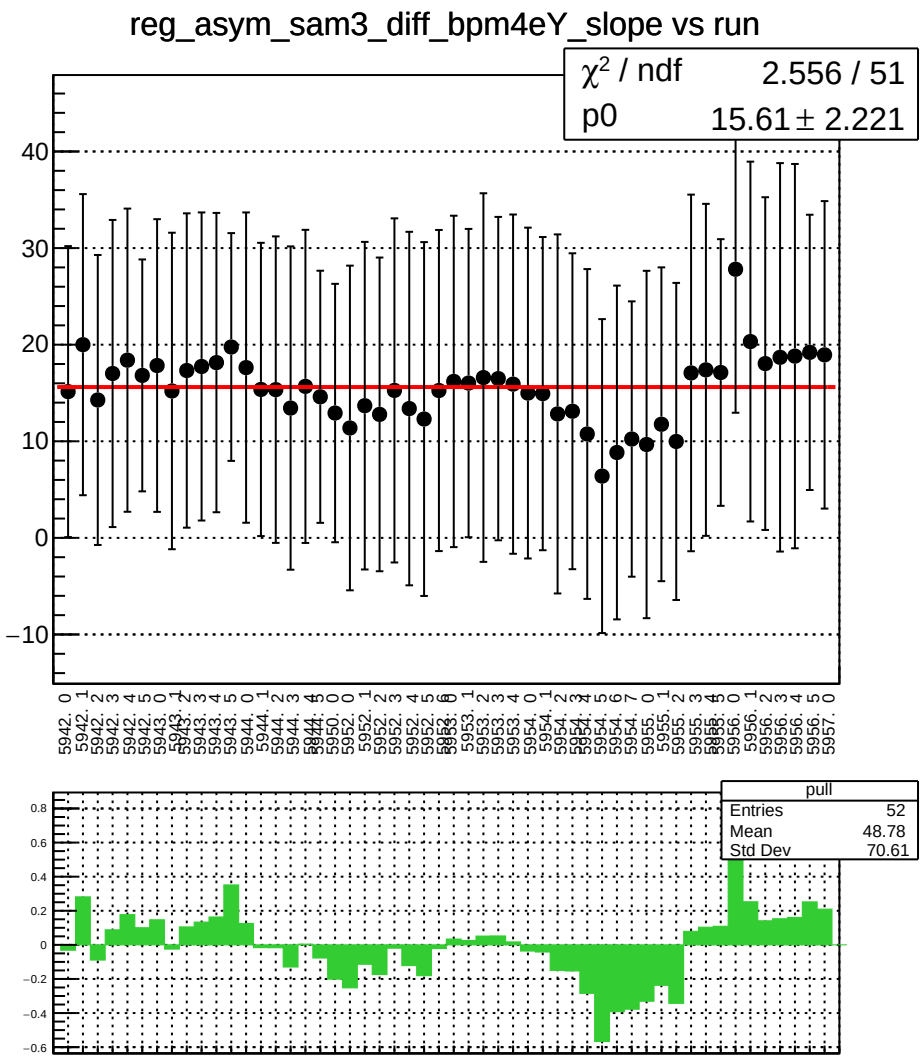

pull1D
Entries 52
Mean −0.001365
Std Dev 0.1095

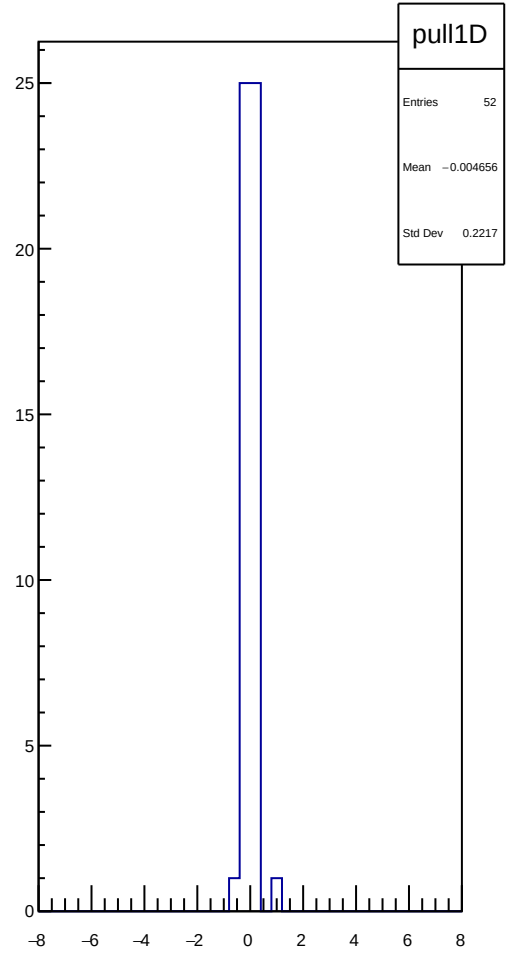

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.678 / 51
p0 3.35 ± 1.702
pull
Entries 52
Mean −249.7
Std Dev 292.3

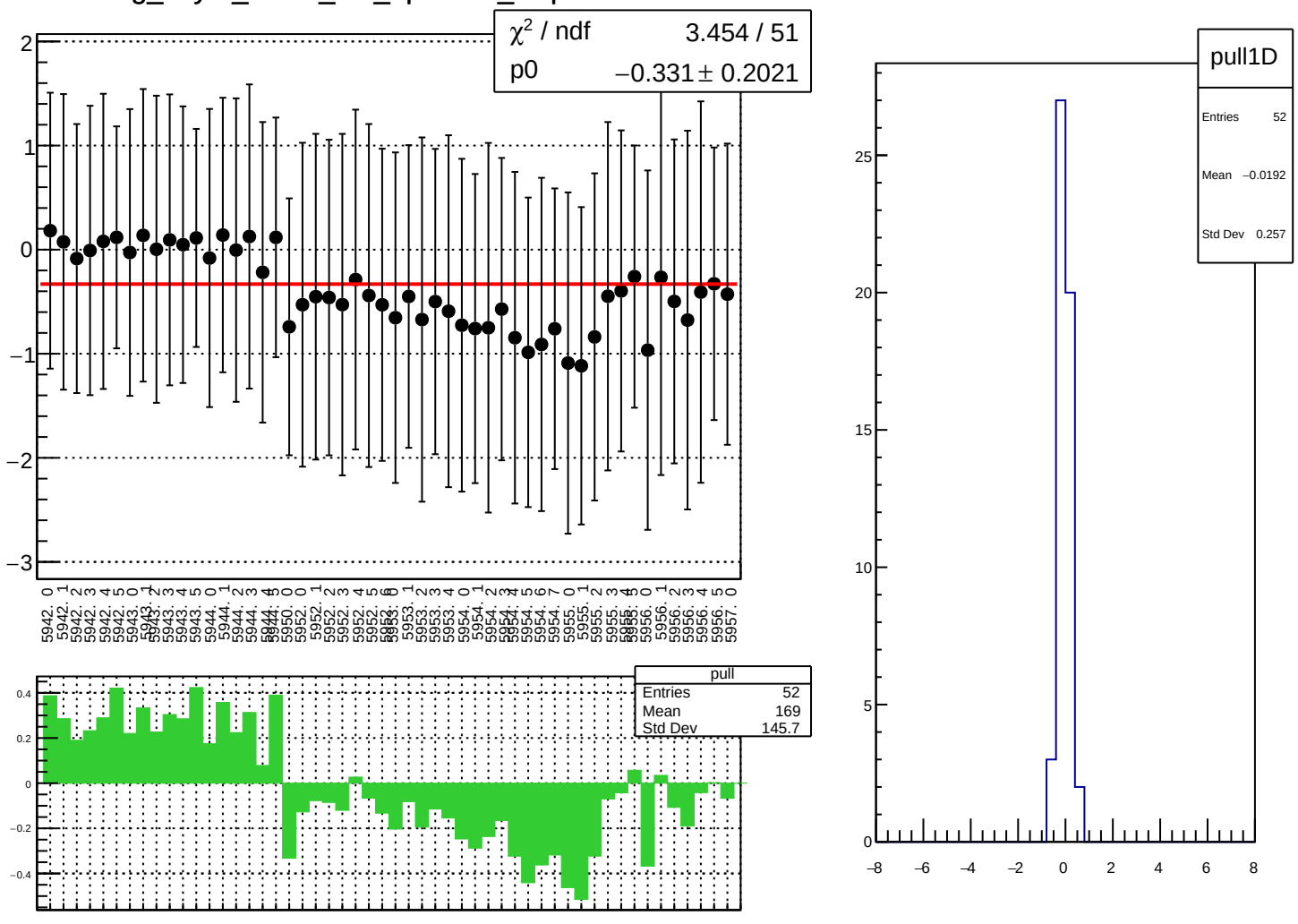

pull1D
Entries 52
Mean 0.001492
Std Dev 0.1796

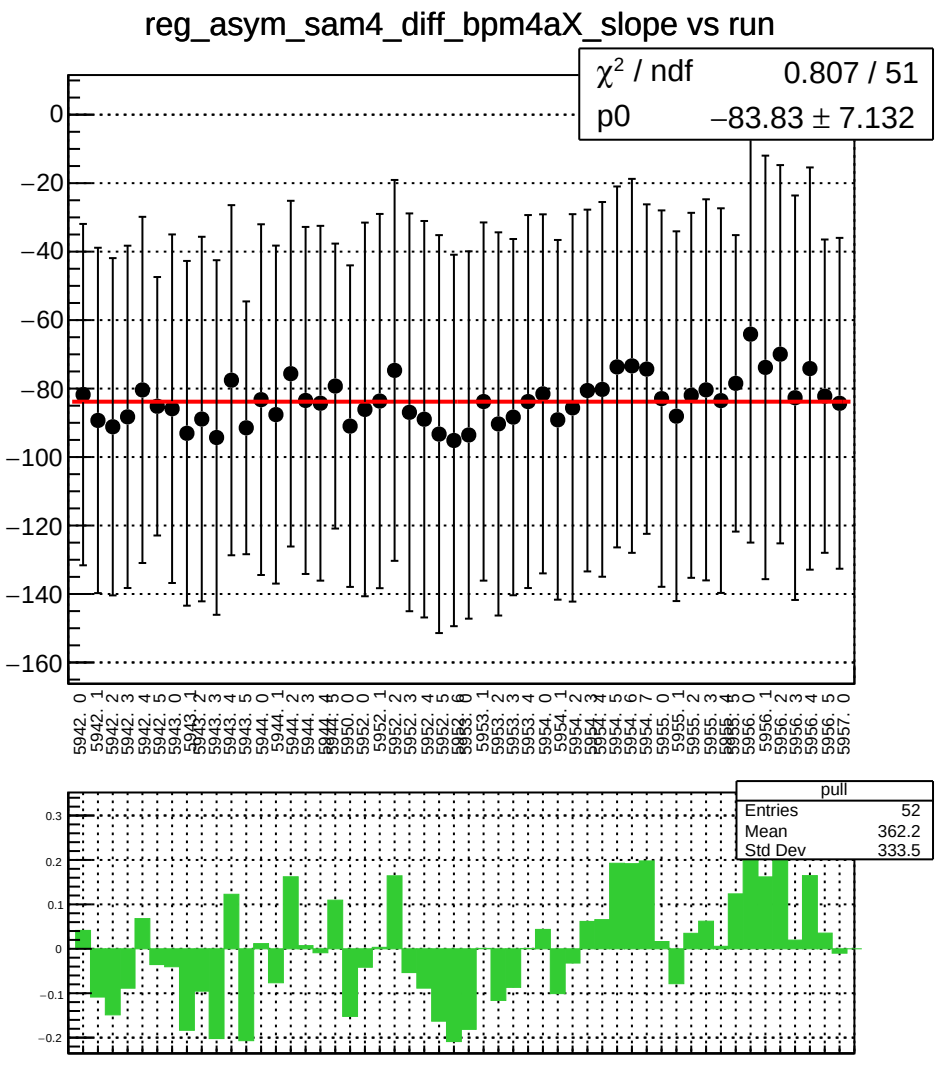

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.832 / 51
p0 −48.81 ± 4.865
pull
Entries 52
Mean 170.6
Std Dev 144.5

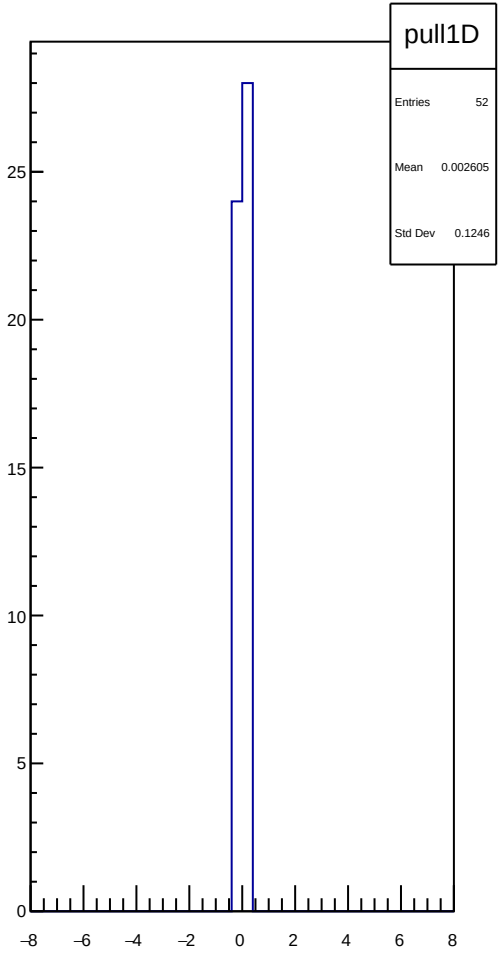

pull1D
Entries 52
Mean −0.01348
Std Dev 0.1872

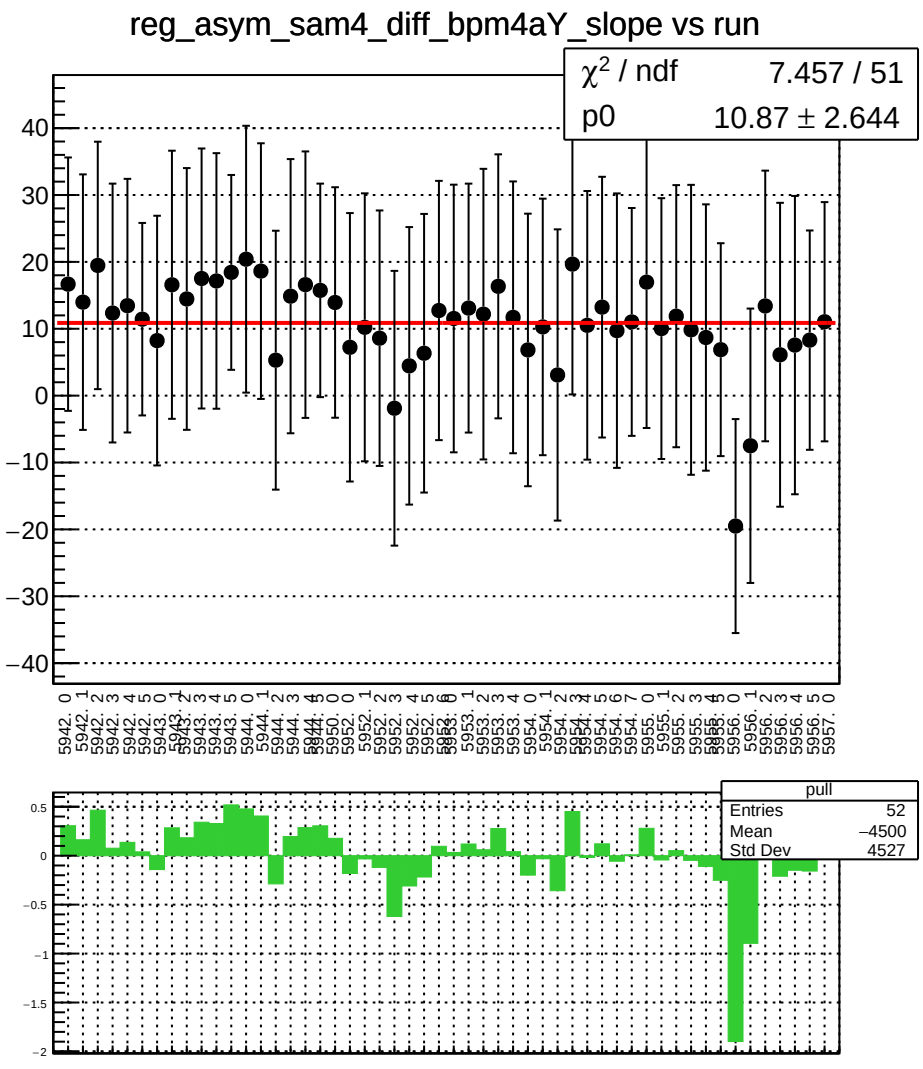

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.556 / 51
p0 15.61 ± 2.221
pull
Entries 52
Mean 48.78
Std Dev 70.61

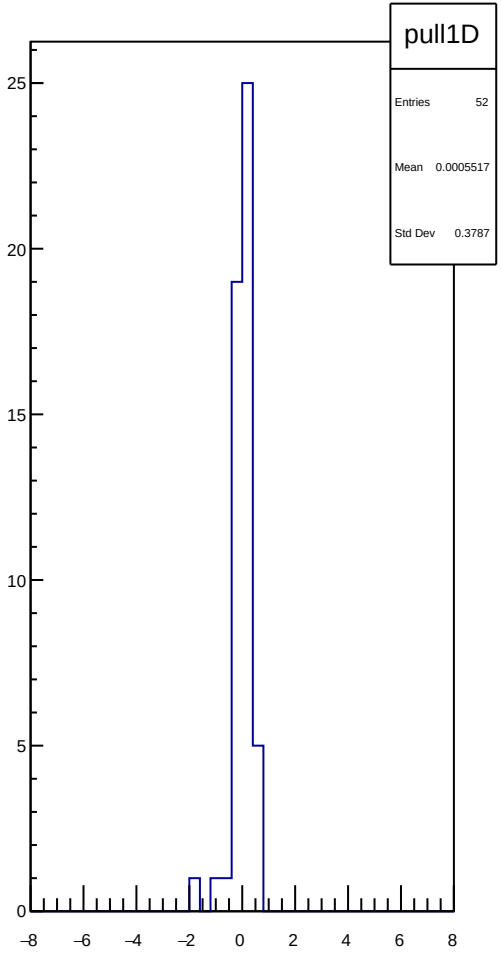

pull1D
Entries 52
Mean −0.004656
Std Dev 0.2217

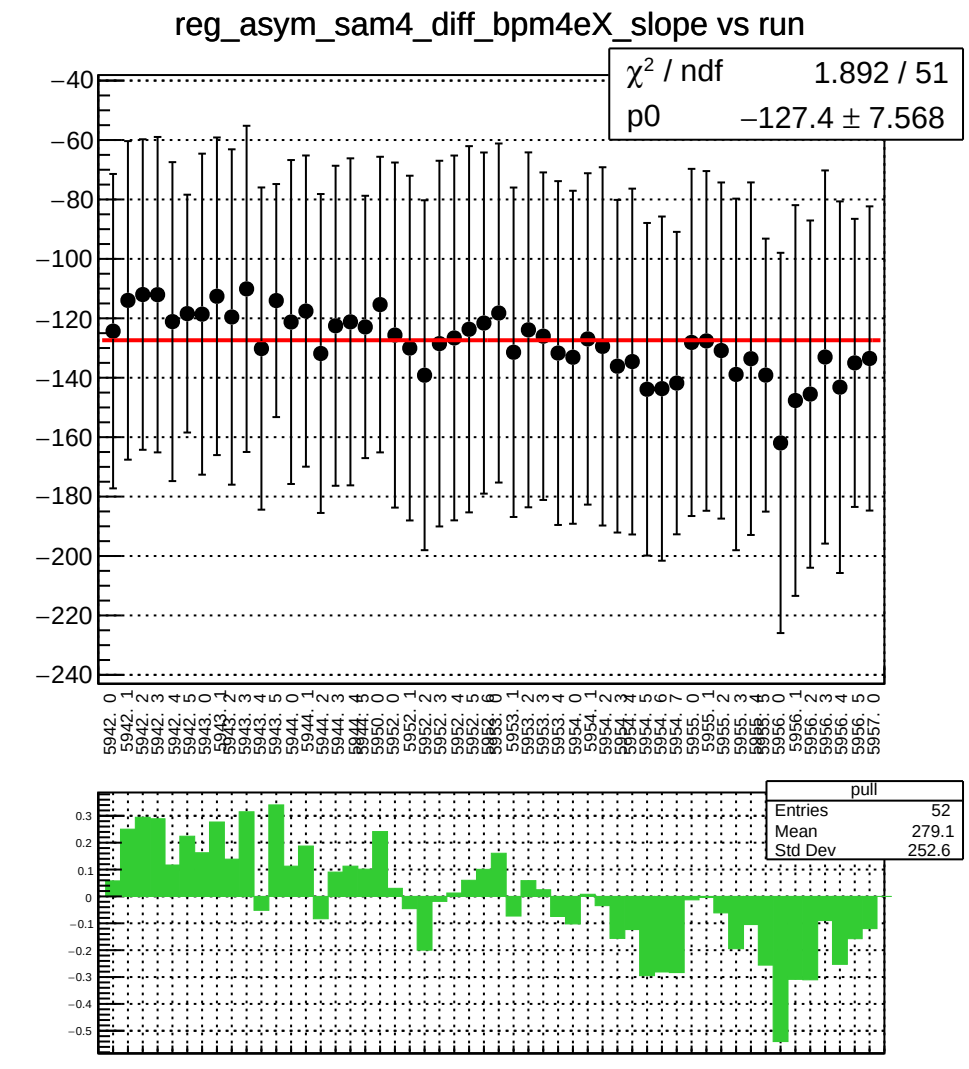

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 3.454 / 51
p0 −0.331 ± 0.2021
pull
Entries 52
Mean 169
Std Dev 145.7
pull1D
Entries 52
Mean −0.0192
Std Dev 0.257

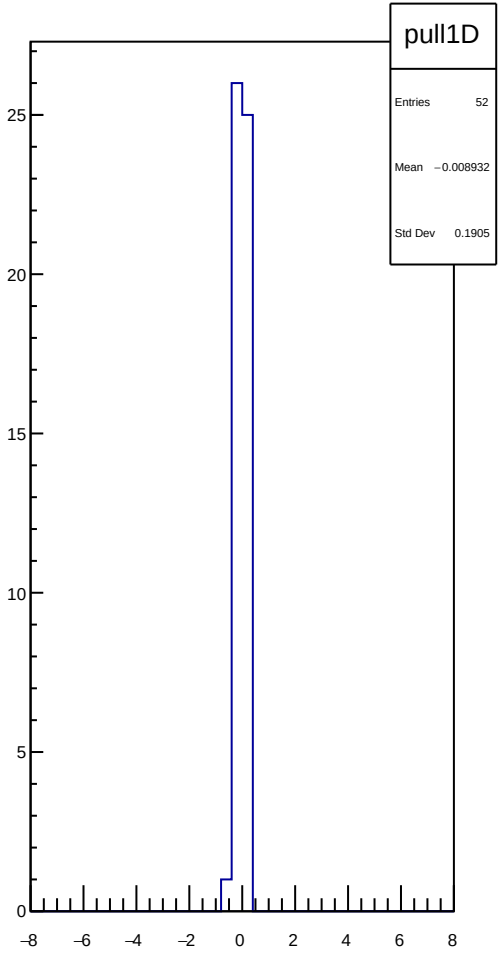

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 0.807 / 51
p0 −83.83 ± 7.132
pull
Entries 52
Mean 362.2
Std Dev 333.5

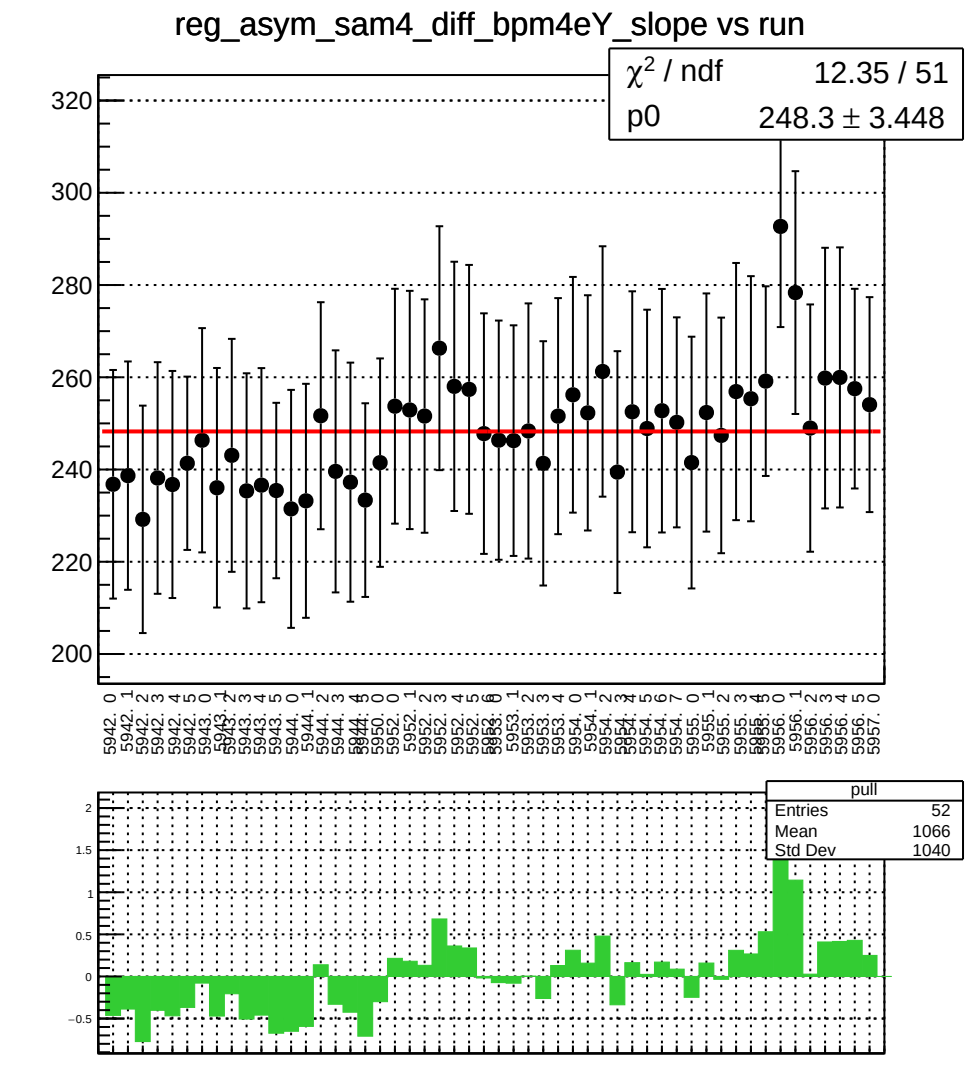

pull1D
Entries 52
Mean 0.002605
Std Dev 0.1246

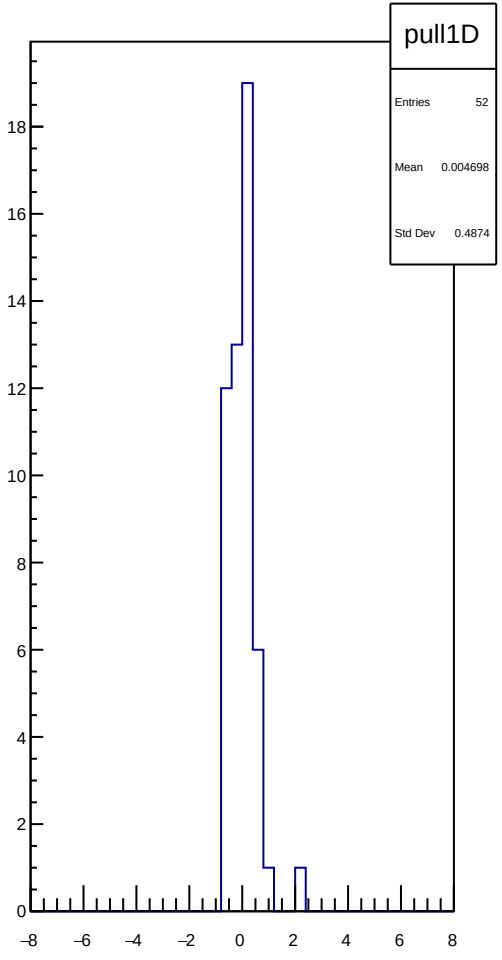

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 7.457 / 51
p0 10.87 ± 2.644
pull
Entries 52
Mean −4500
Std Dev 4527

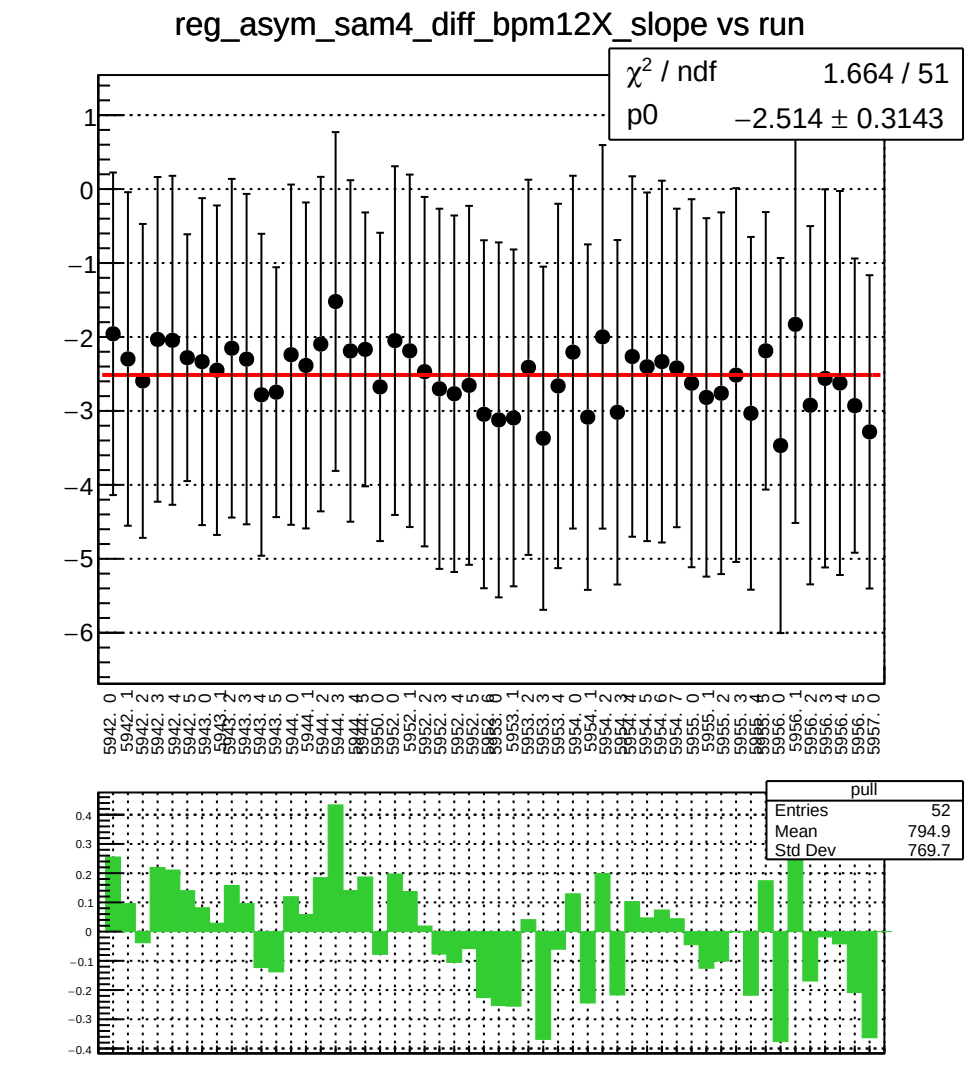

pull1D
Entries 52
Mean 0.0005517
Std Dev 0.3787

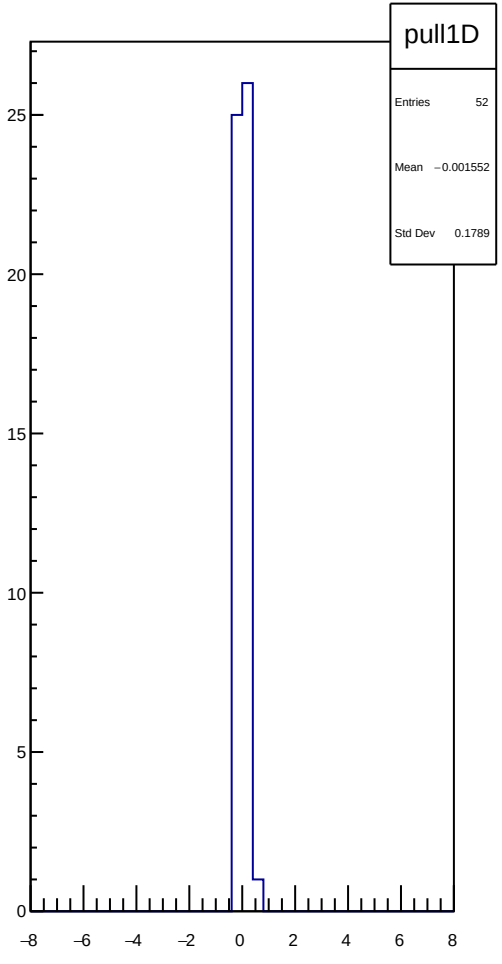

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.892 / 51
p0 −127.4 ± 7.568
pull
Entries 52
Mean 279.1
Std Dev 252.6

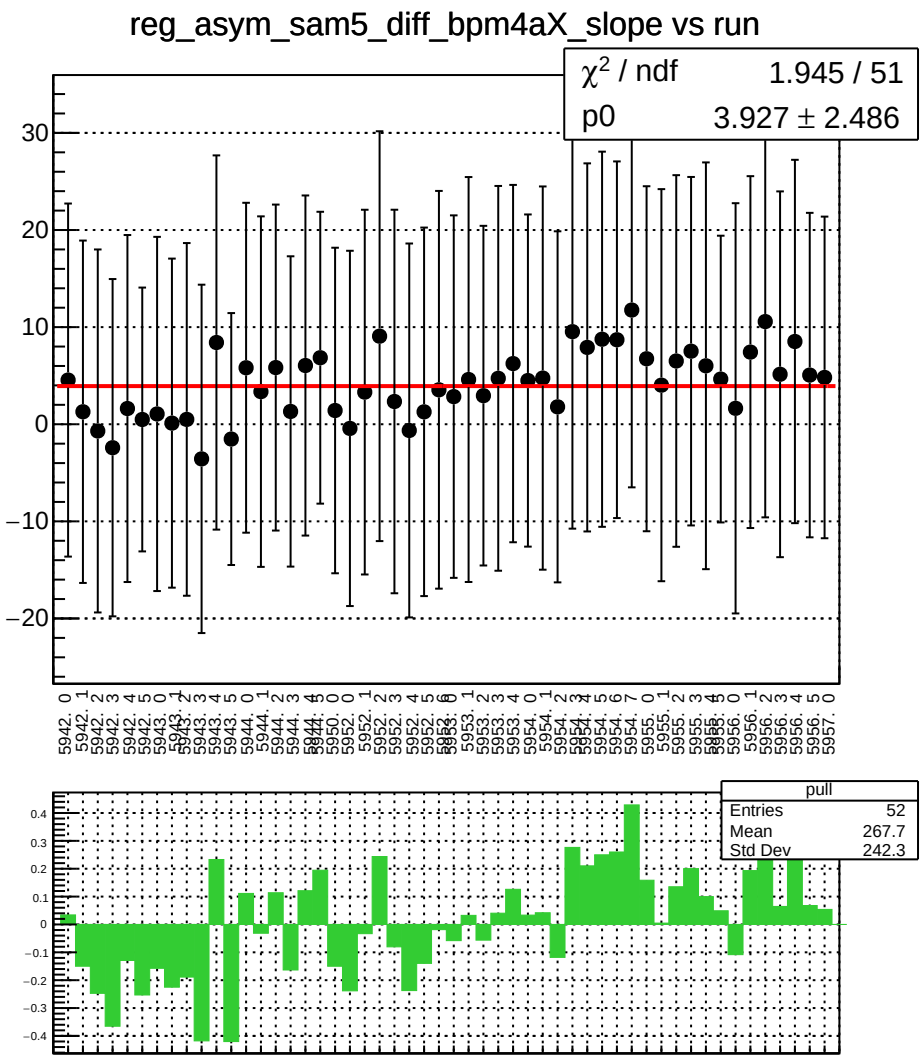

pull1D
Entries 52
Mean −0.008932
Std Dev 0.1905

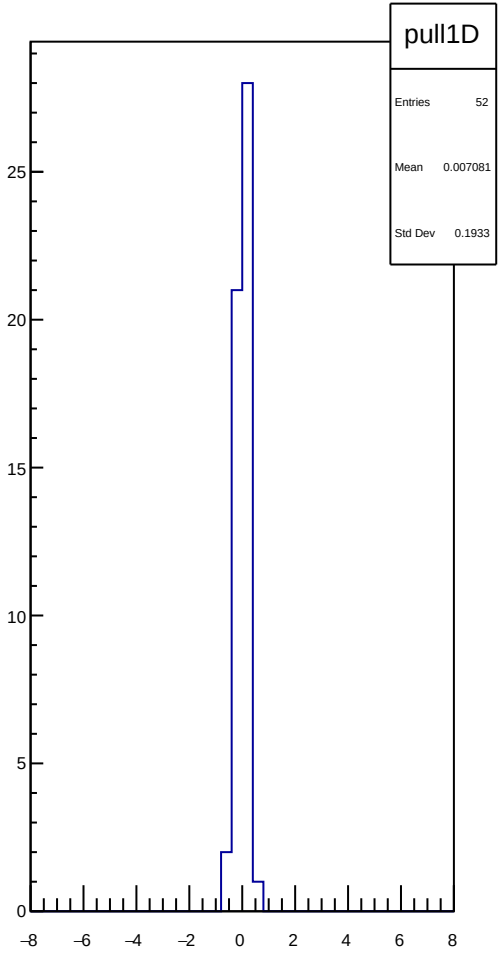

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 12.35 / 51
p0 248.3 ± 3.448
320
300
280
260
240
220
200
pull
Entries 52
Mean 1066
Std Dev 1040
2
1.5
1
0.5
0
−0.5

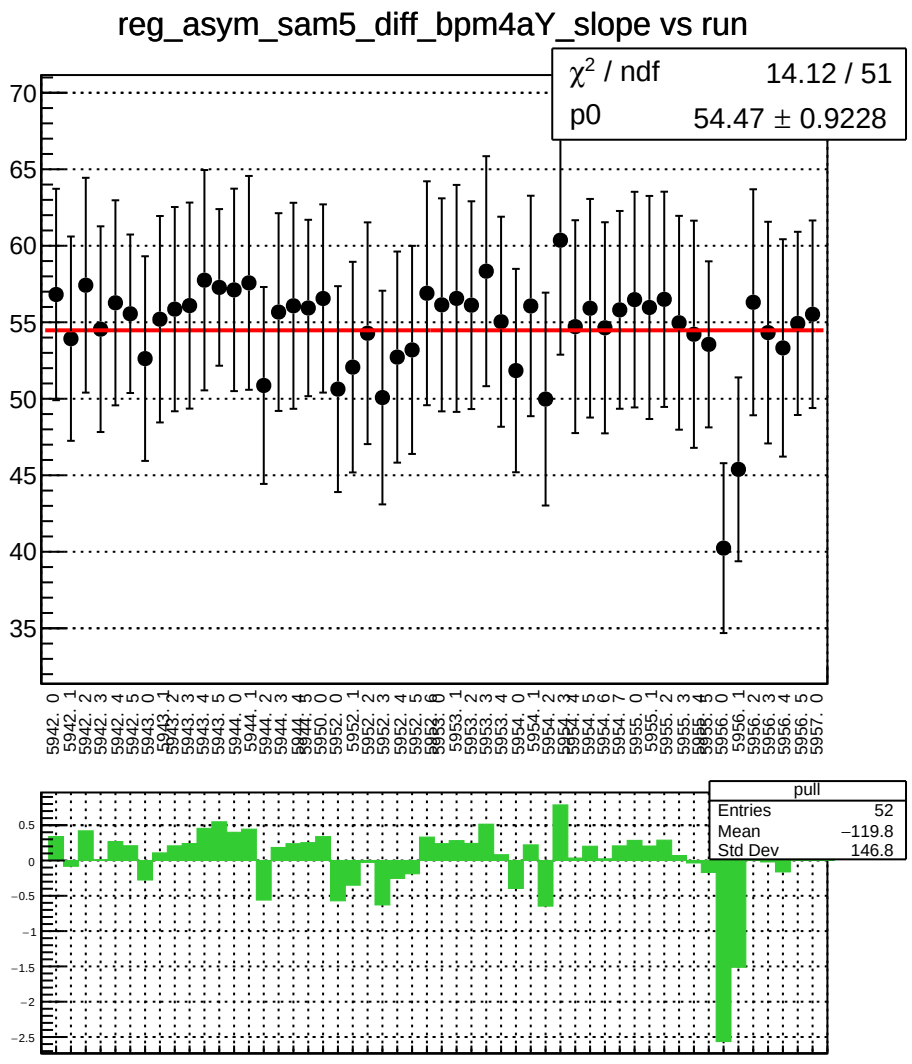

pull1D
Entries 52
Mean 0.004698
Std Dev 0.4874
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

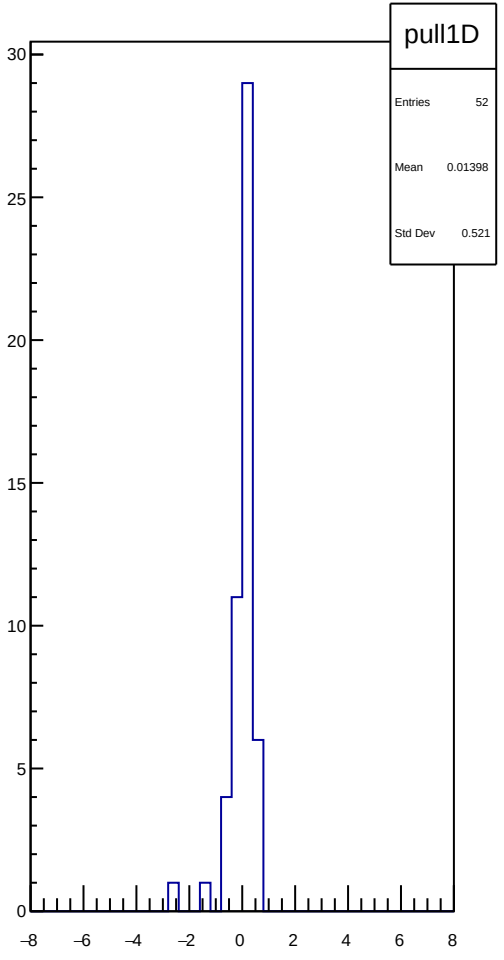

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.664 / 51
p0 −2.514 ± 0.3143
pull
Entries 52
Mean 794.9
Std Dev 769.7

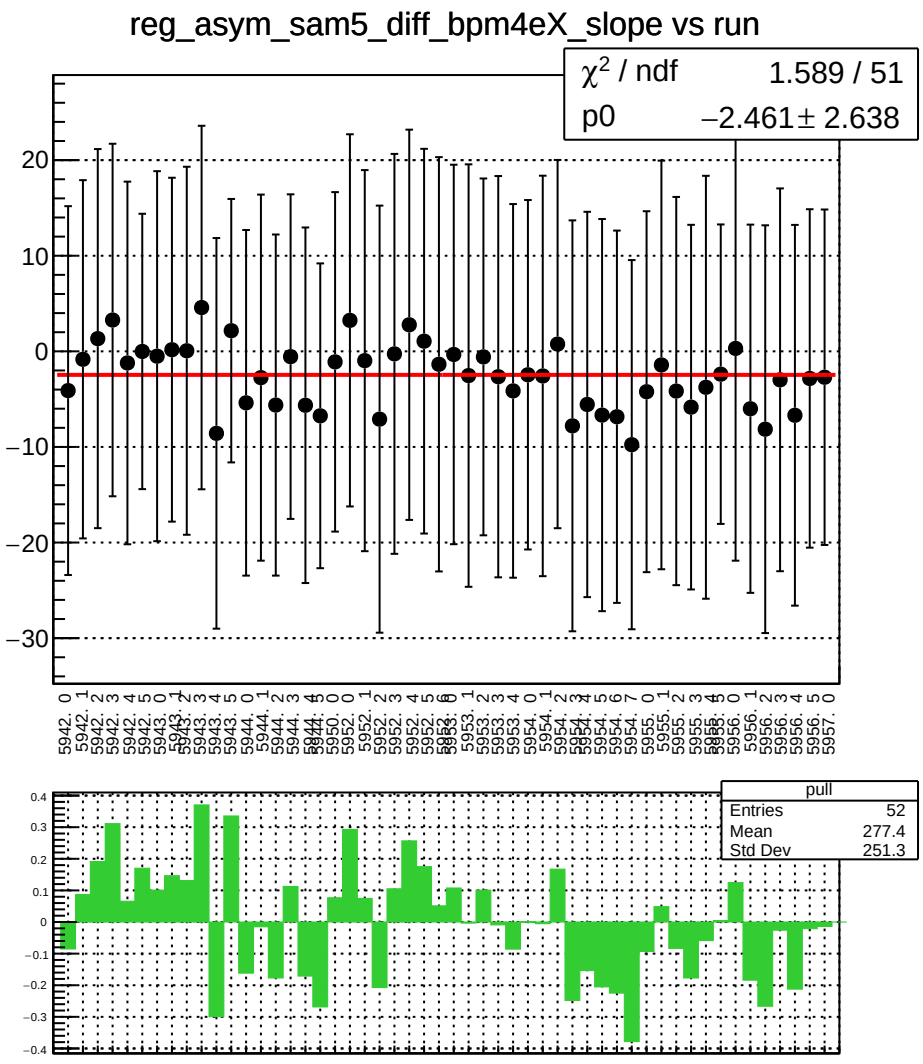

pull1D
Entries 52
Mean −0.001552
Std Dev 0.1789

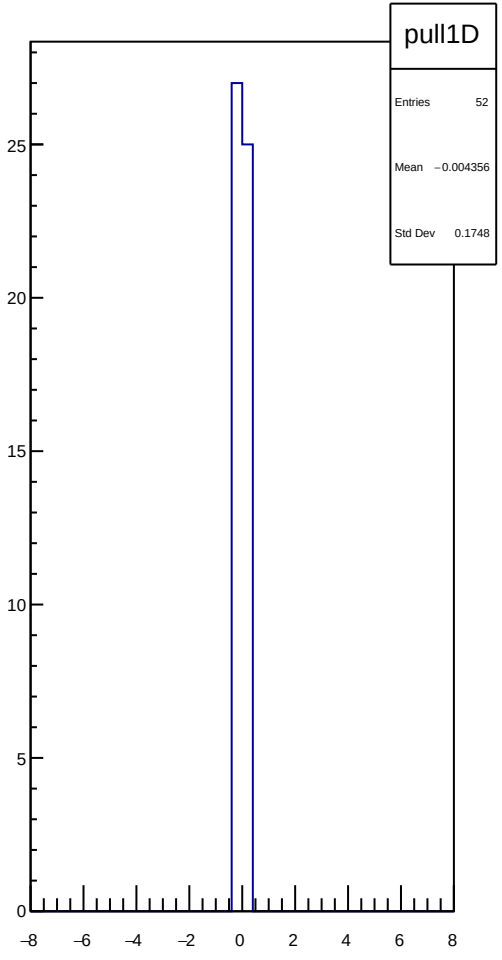

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 1.945 / 51
p0 3.927 ± 2.486
pull
Entries 52
Mean 267.7
Std Dev 242.3

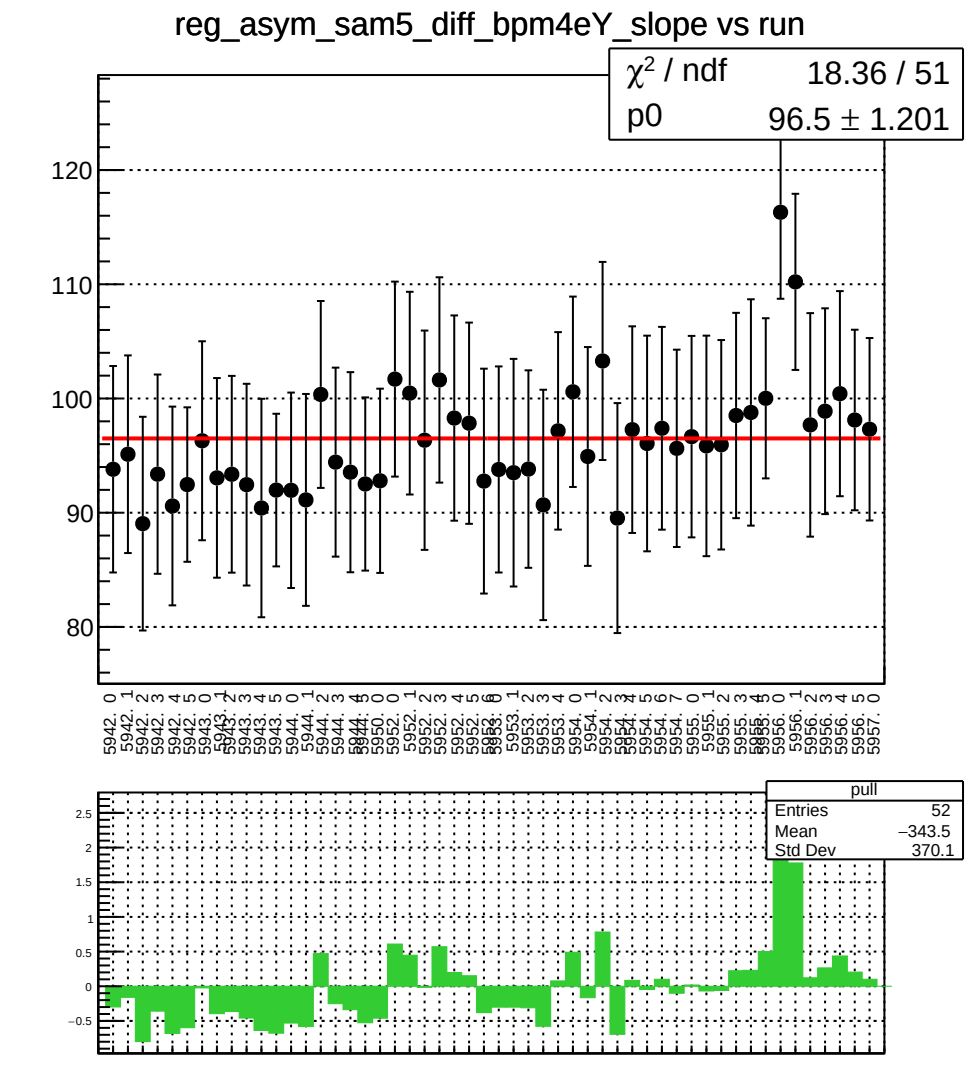

pull1D
Entries 52
Mean 0.007081
Std Dev 0.1933

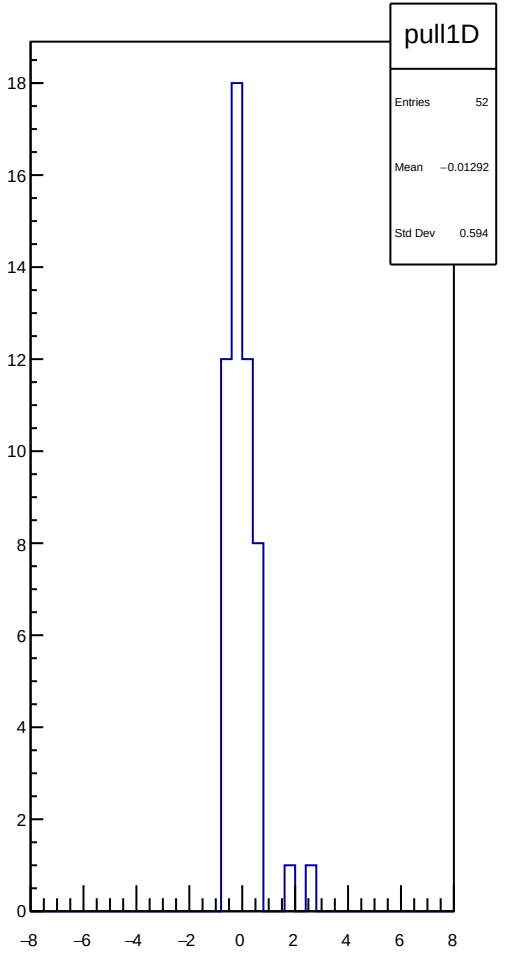

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 14.12 / 51
p0 54.47 ± 0.9228
pull
Entries 52
Mean −119.8
Std Dev 146.8

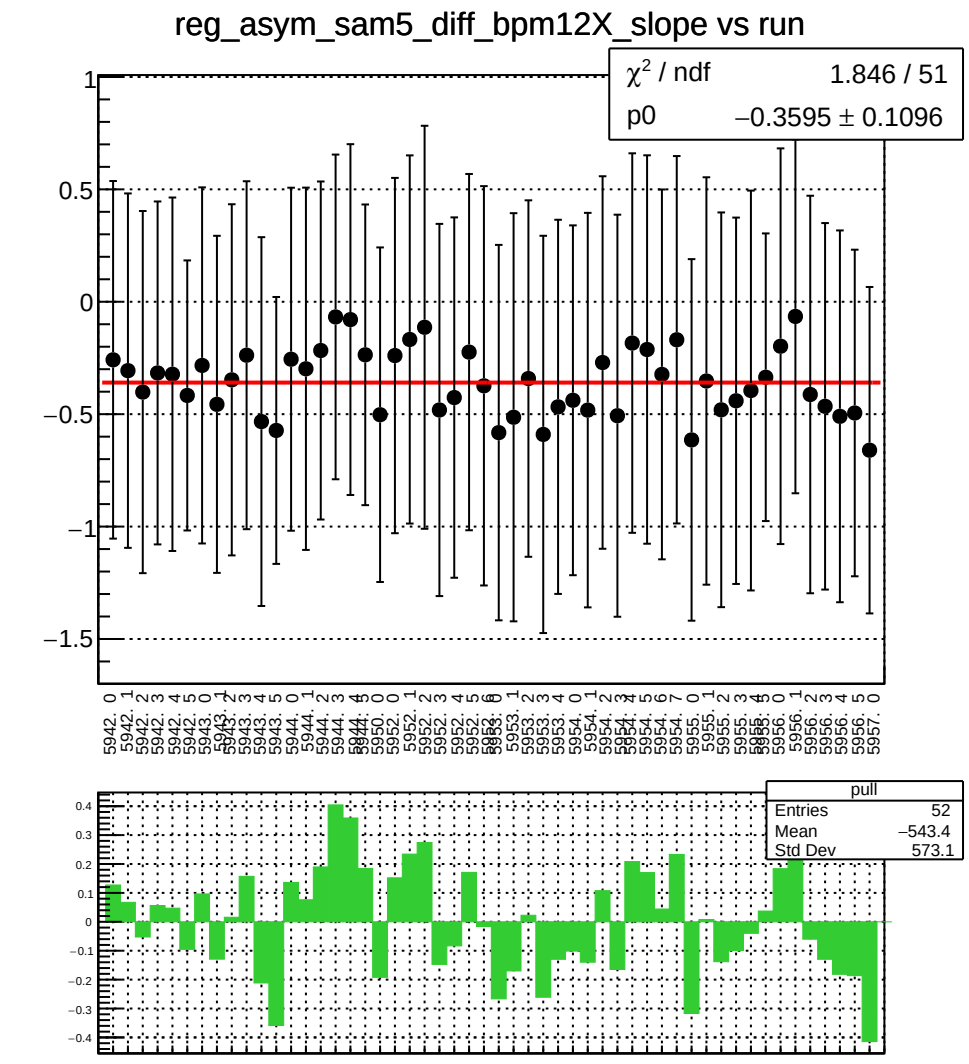

pull1D
Entries 52
Mean 0.01398
Std Dev 0.521

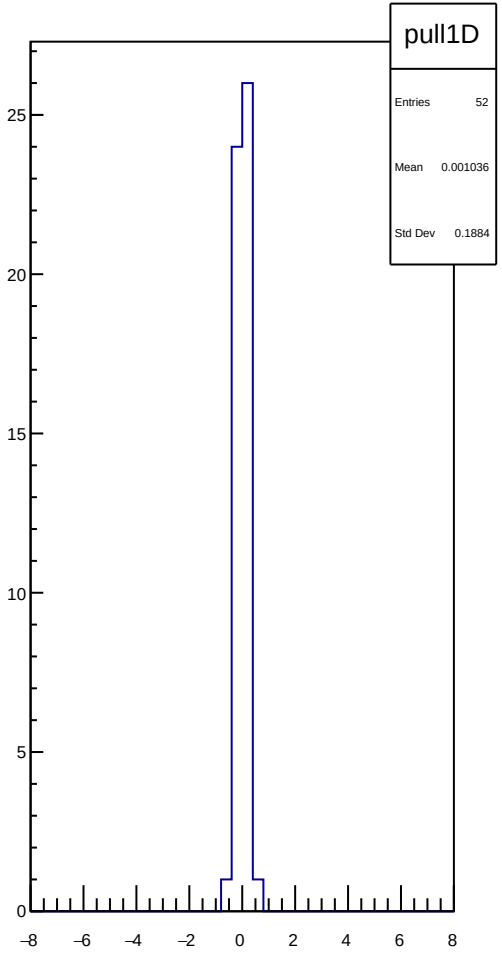

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.589 / 51
p0 −2.461 ± 2.638
pull
Entries 52
Mean 277.4
Std Dev 251.3

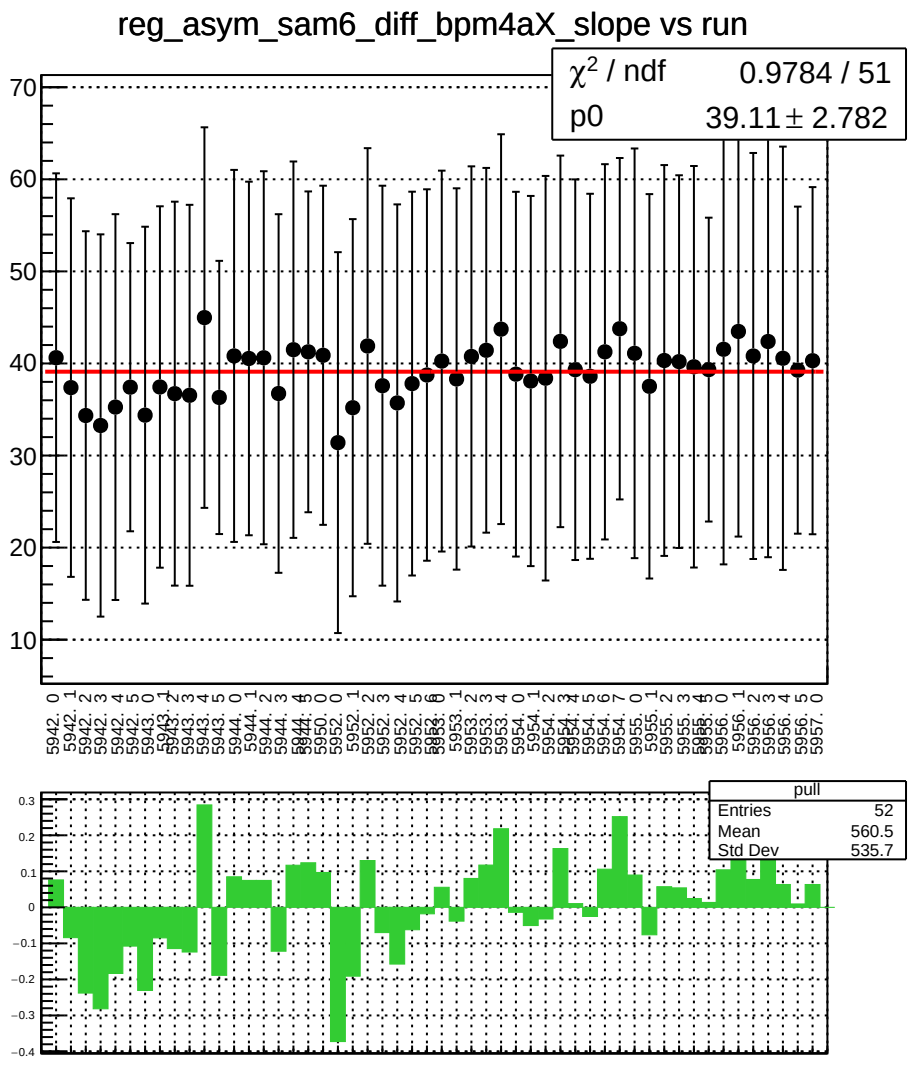

pull1D
Entries 52
Mean −0.004356
Std Dev 0.1748

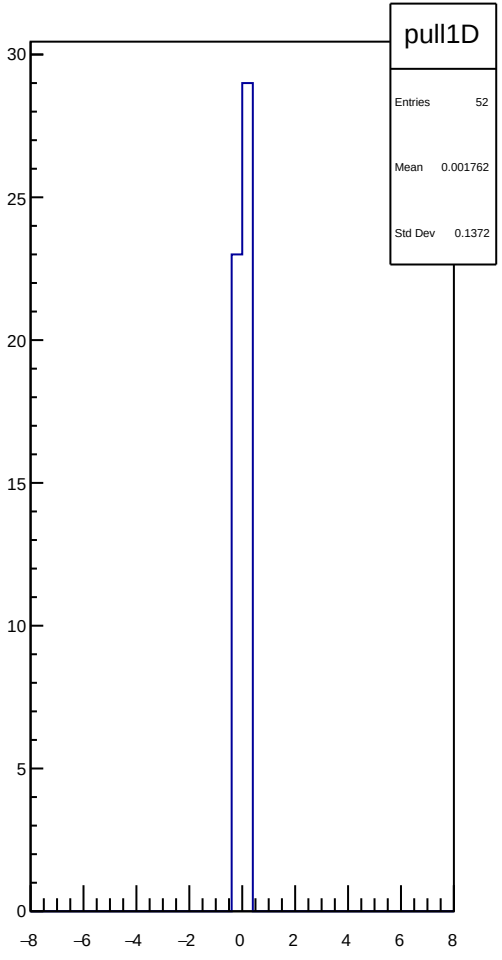

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.36 / 51
p0 96.5 ± 1.201
120
110
100
90
80
pull
Entries 52
Mean −343.5
Std Dev 370.1
2.5
2
1.5
1
0.5
0
−0.5

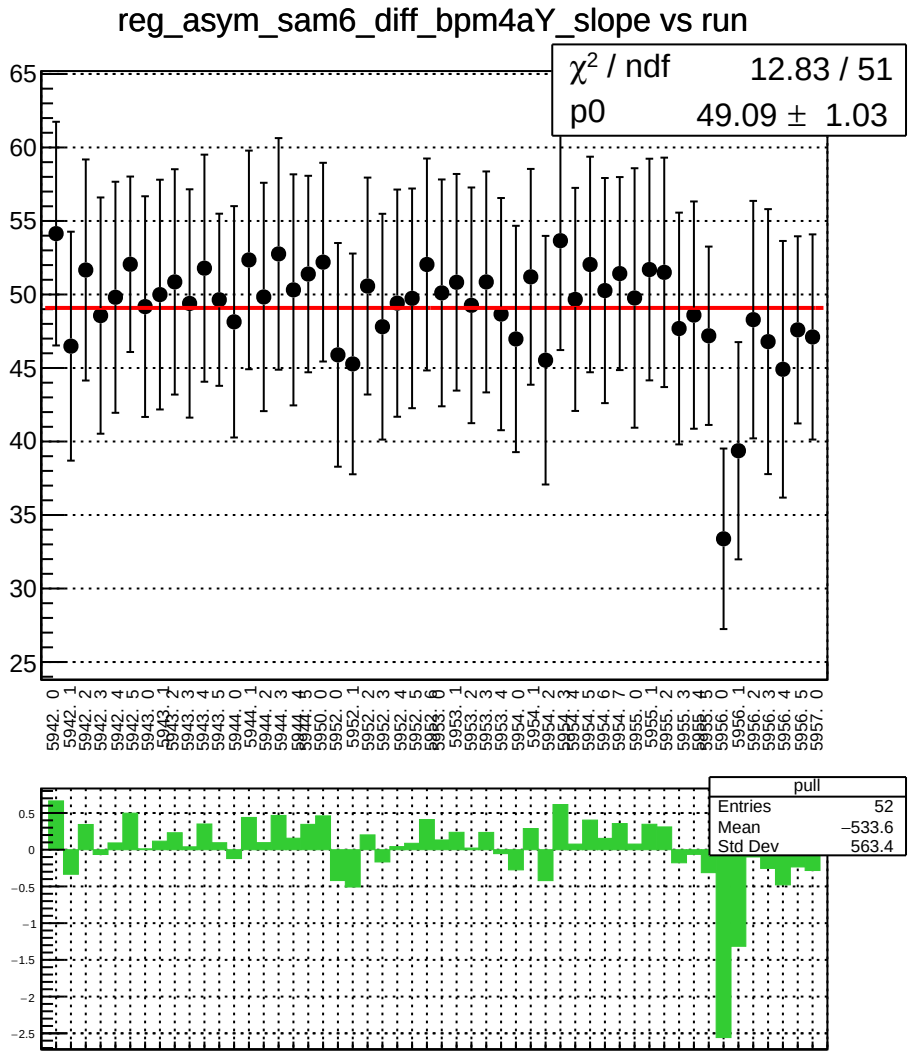

pull1D
Entries 52
Mean −0.01292
Std Dev 0.594
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

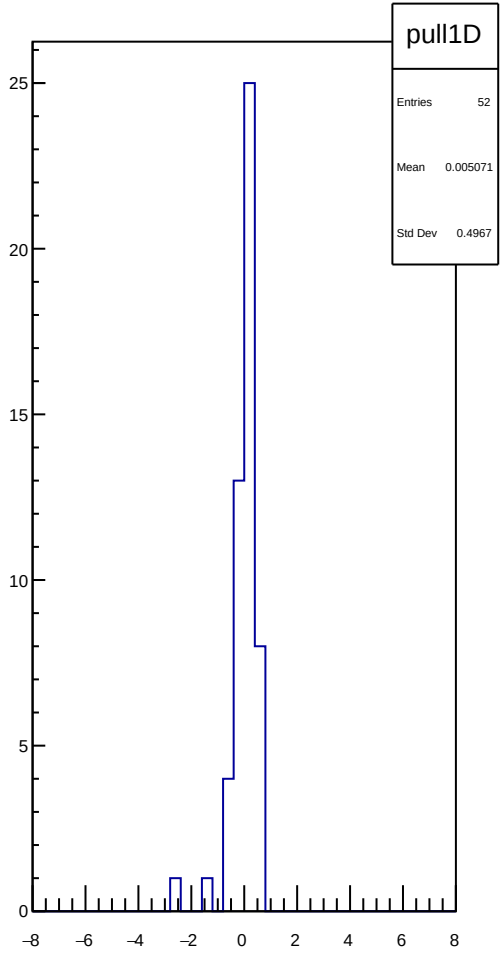

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 1.846 / 51
p0 −0.3595 ± 0.1096
pull
Entries 52
Mean −543.4
Std Dev 573.1

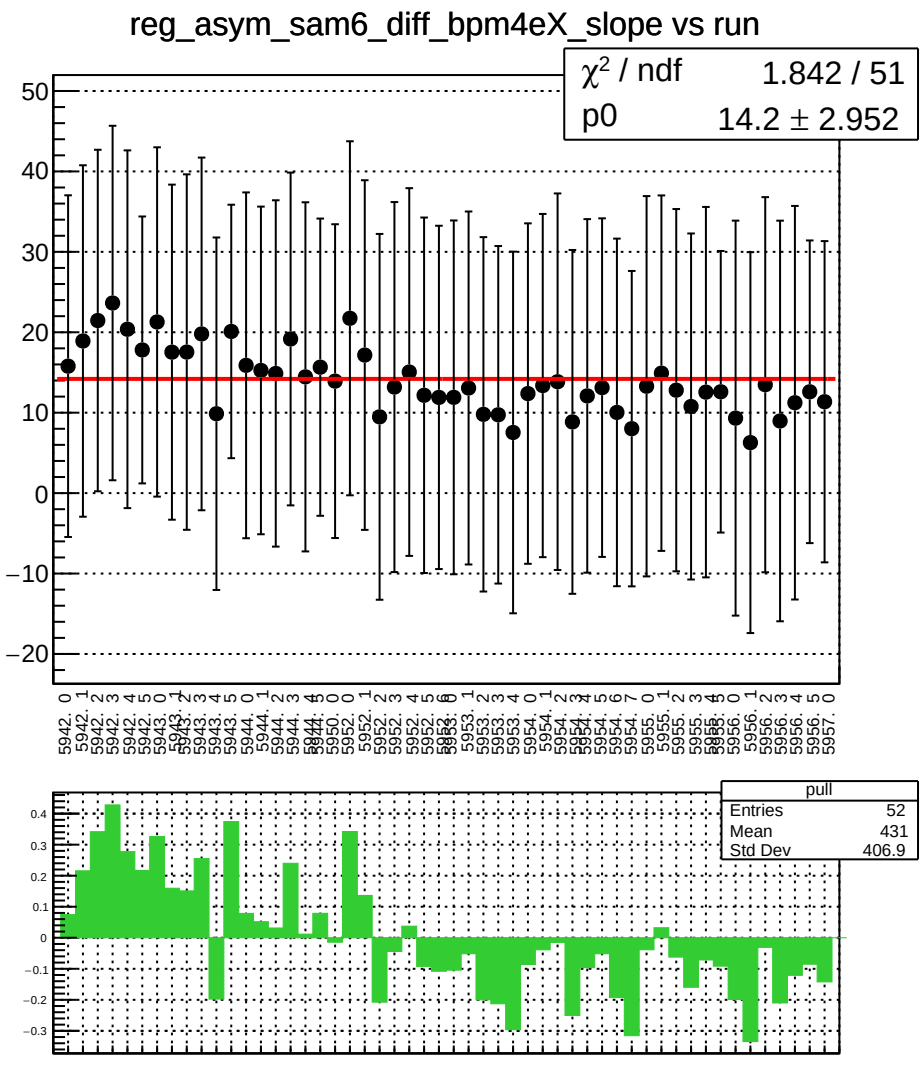

pull1D
Entries 52
Mean 0.001036
Std Dev 0.1884

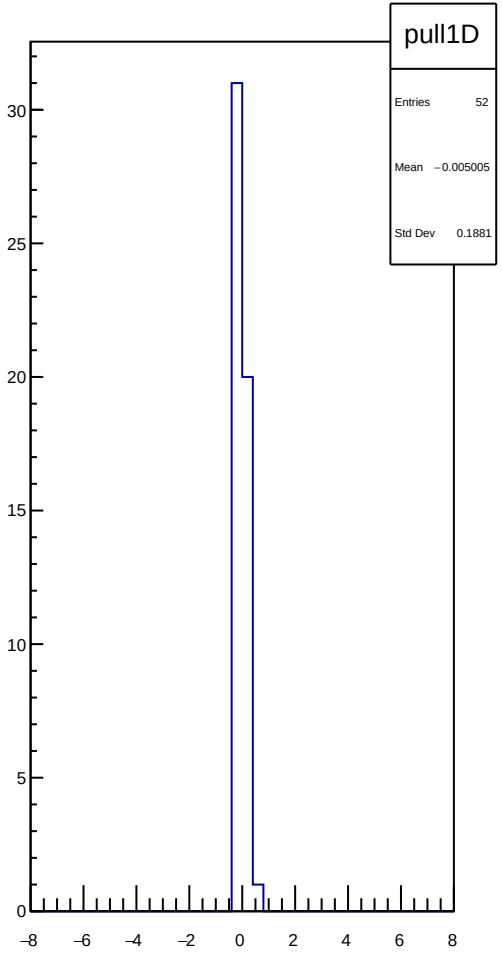

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 0.9784 / 51
p0 39.11 ± 2.782
pull
Entries 52
Mean 560.5
Std Dev 535.7

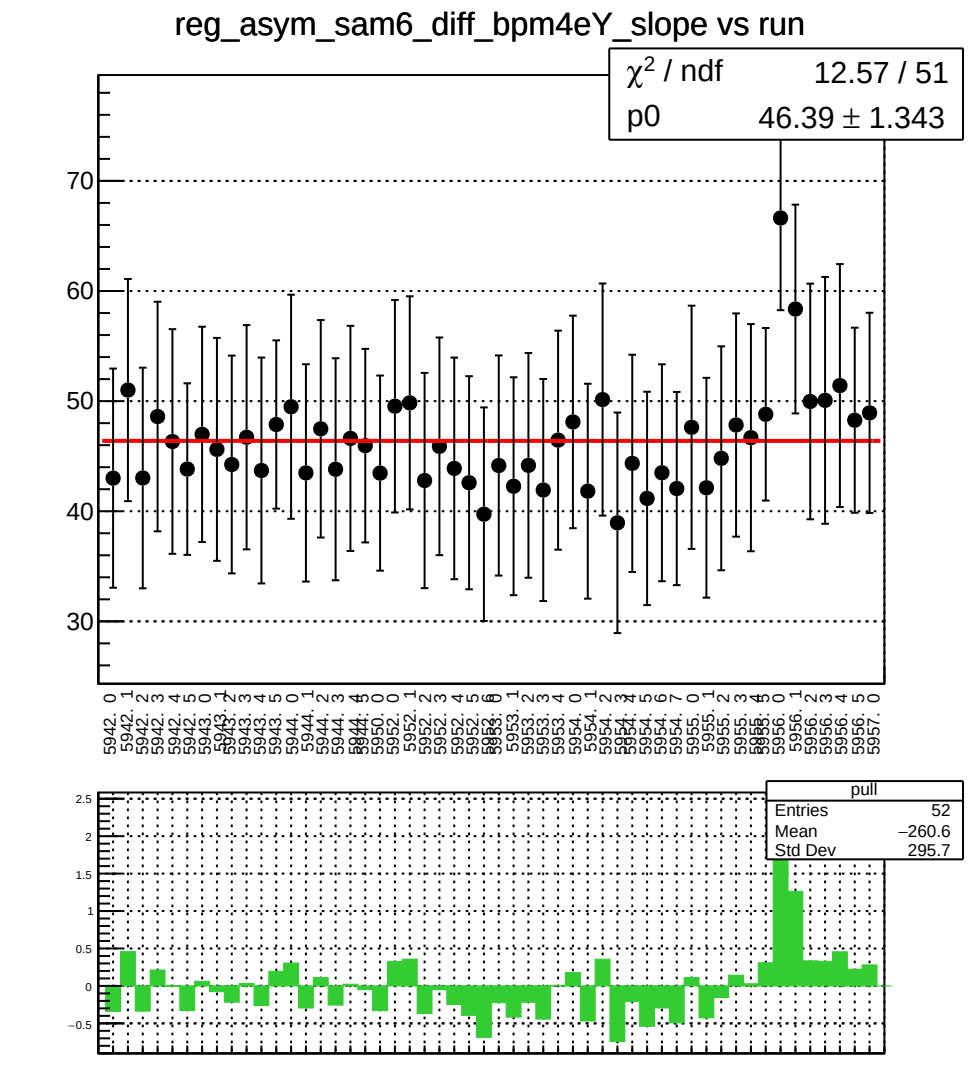

pull1D
Entries 52
Mean 0.001762
Std Dev 0.1372

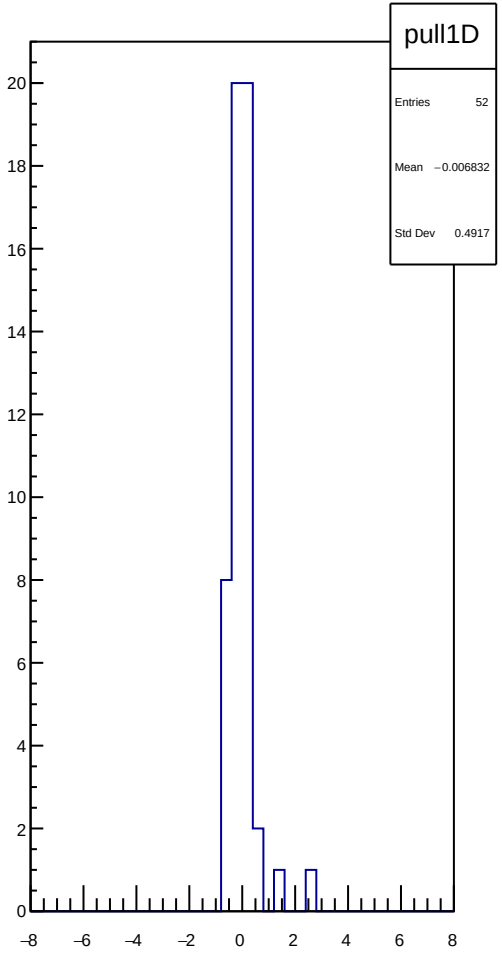

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 12.83 / 51
p0 49.09 ± 1.03
pull
Entries 52
Mean −533.6
Std Dev 563.4

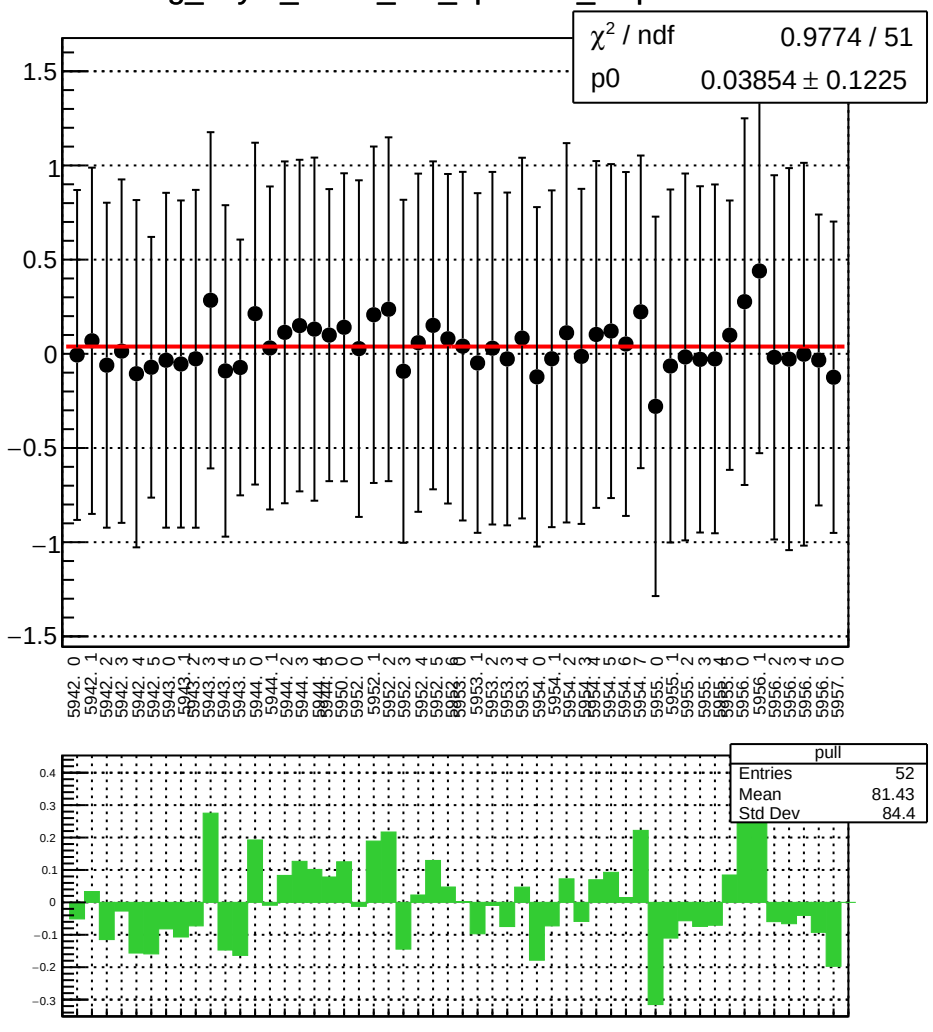

pull1D
Entries 52
Mean 0.005071
Std Dev 0.4967

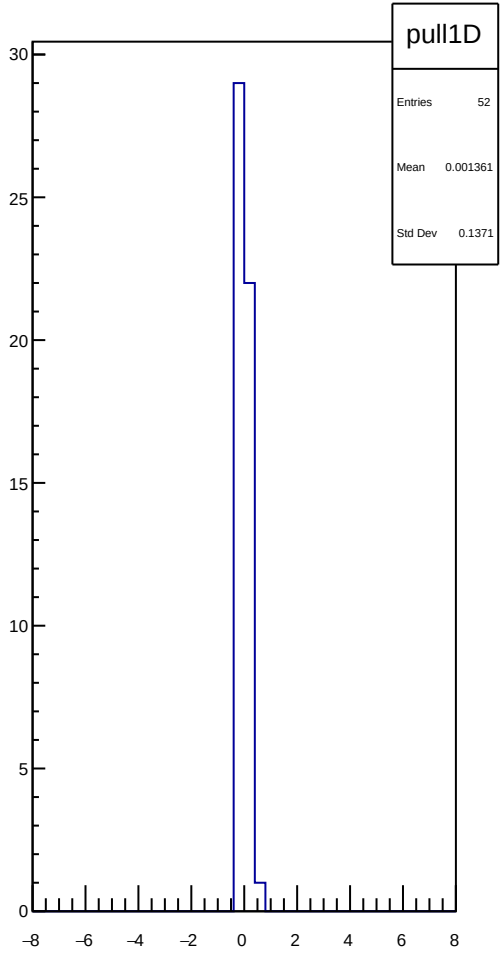

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 1.842 / 51
p0 14.2 ± 2.952
pull
Entries 52
Mean 431
Std Dev 406.9

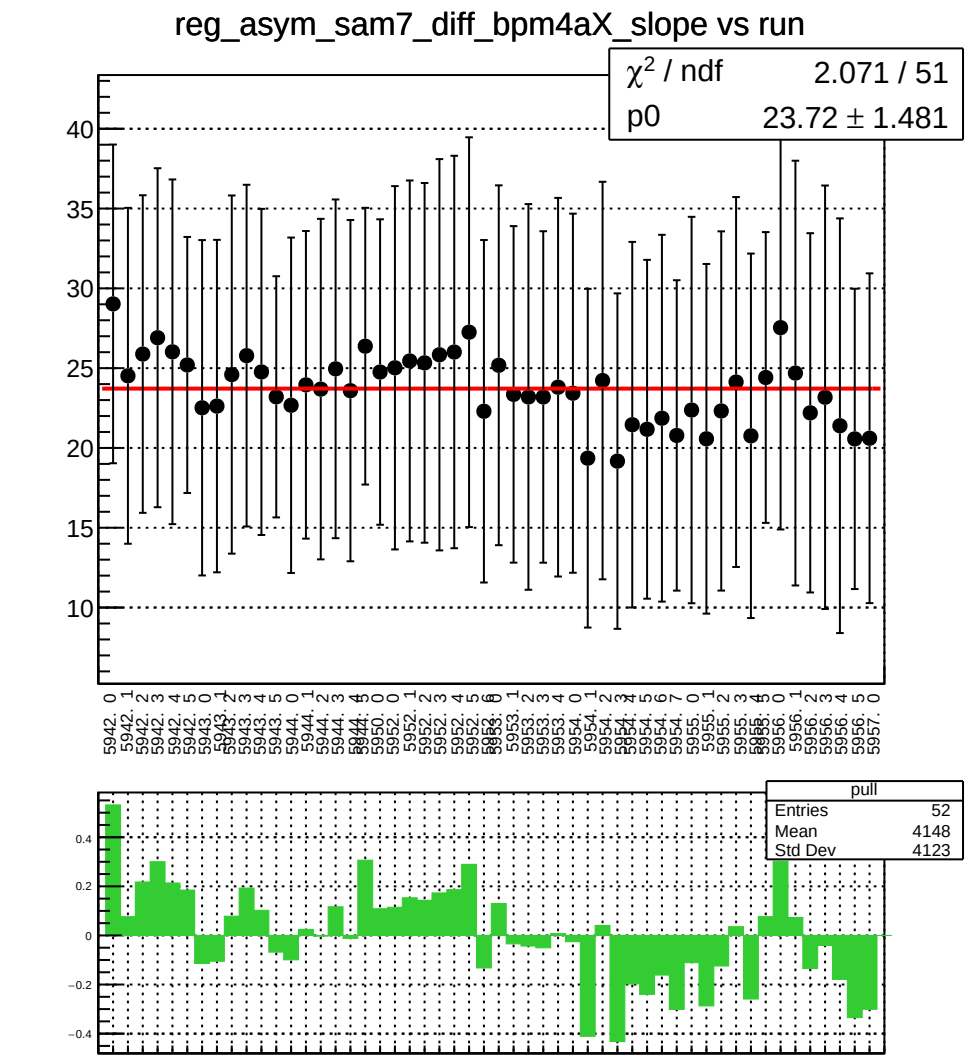

pull1D
Entries 52
Mean −0.005005
Std Dev 0.1881

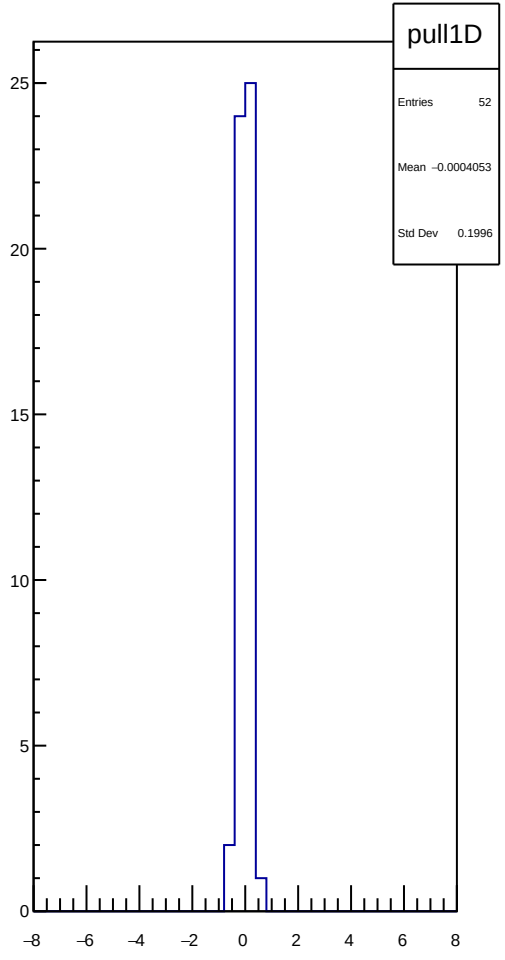

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 12.57 / 51
p0 46.39 ± 1.343
pull
Entries 52
Mean −260.6
Std Dev 295.7

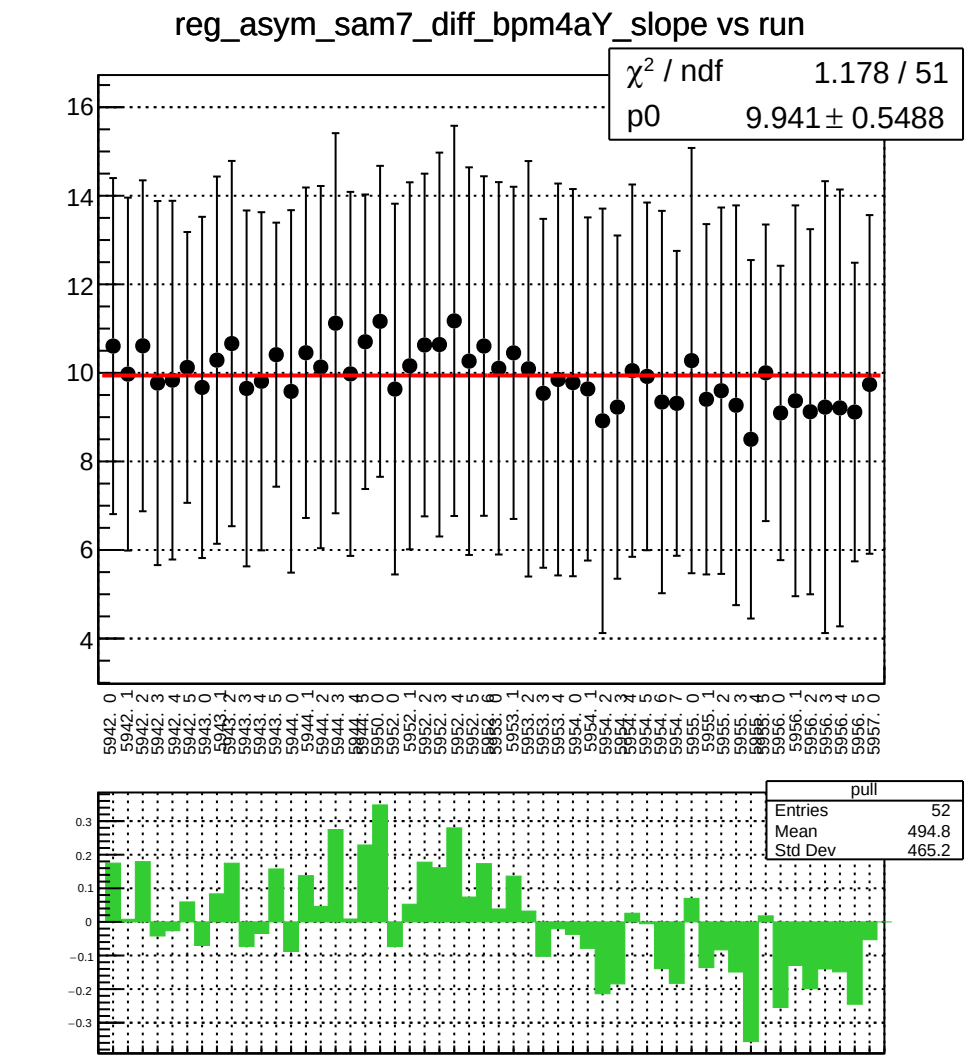

pull1D
Entries 52
Mean −0.006832
Std Dev 0.4917

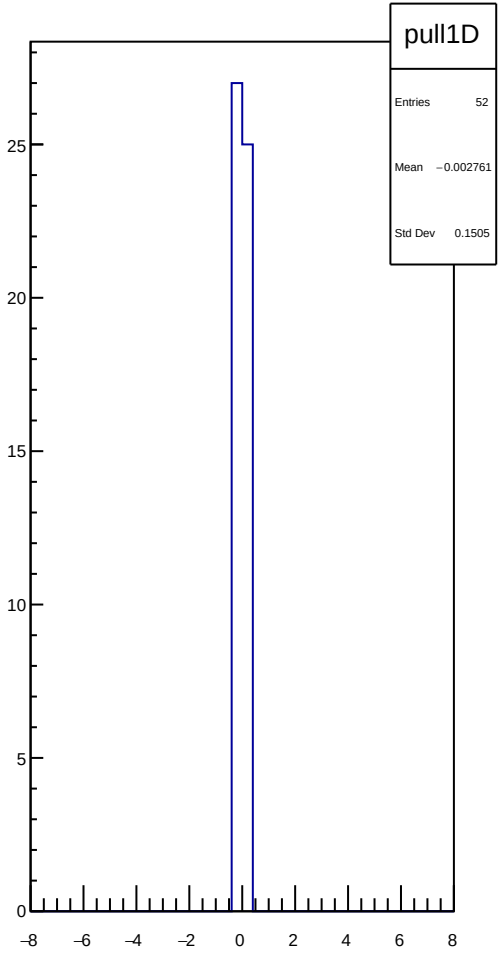

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 0.9774 / 51
p0 0.03854 ± 0.1225
pull
Entries 52
Mean 81.43
Std Dev 84.4

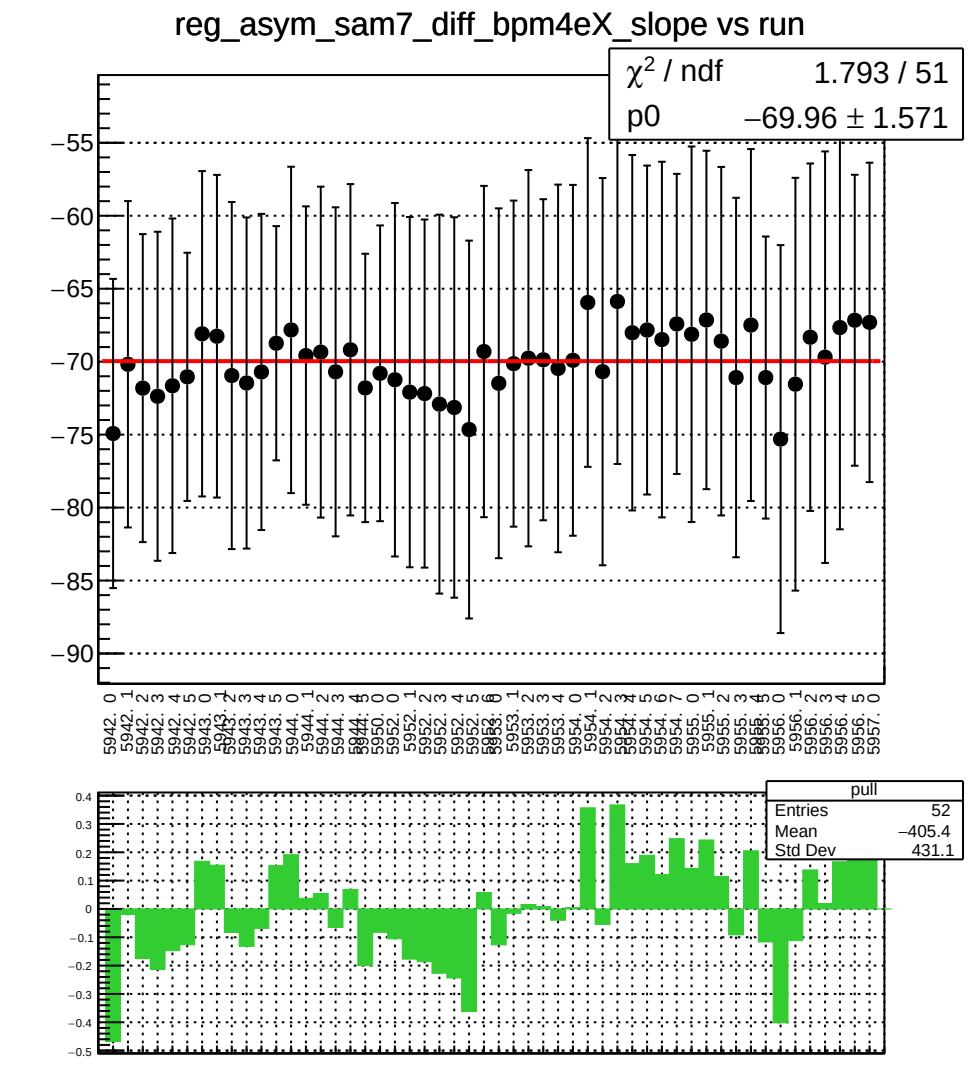

pull1D
Entries 52
Mean 0.001361
Std Dev 0.1371

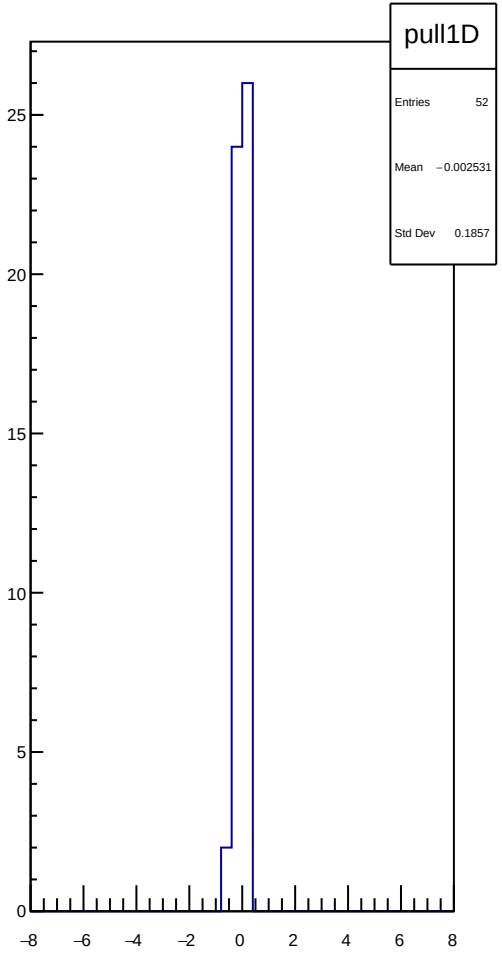

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 2.071 / 51
p0 23.72 ± 1.481
pull
Entries 52
Mean 4148
Std Dev 4123

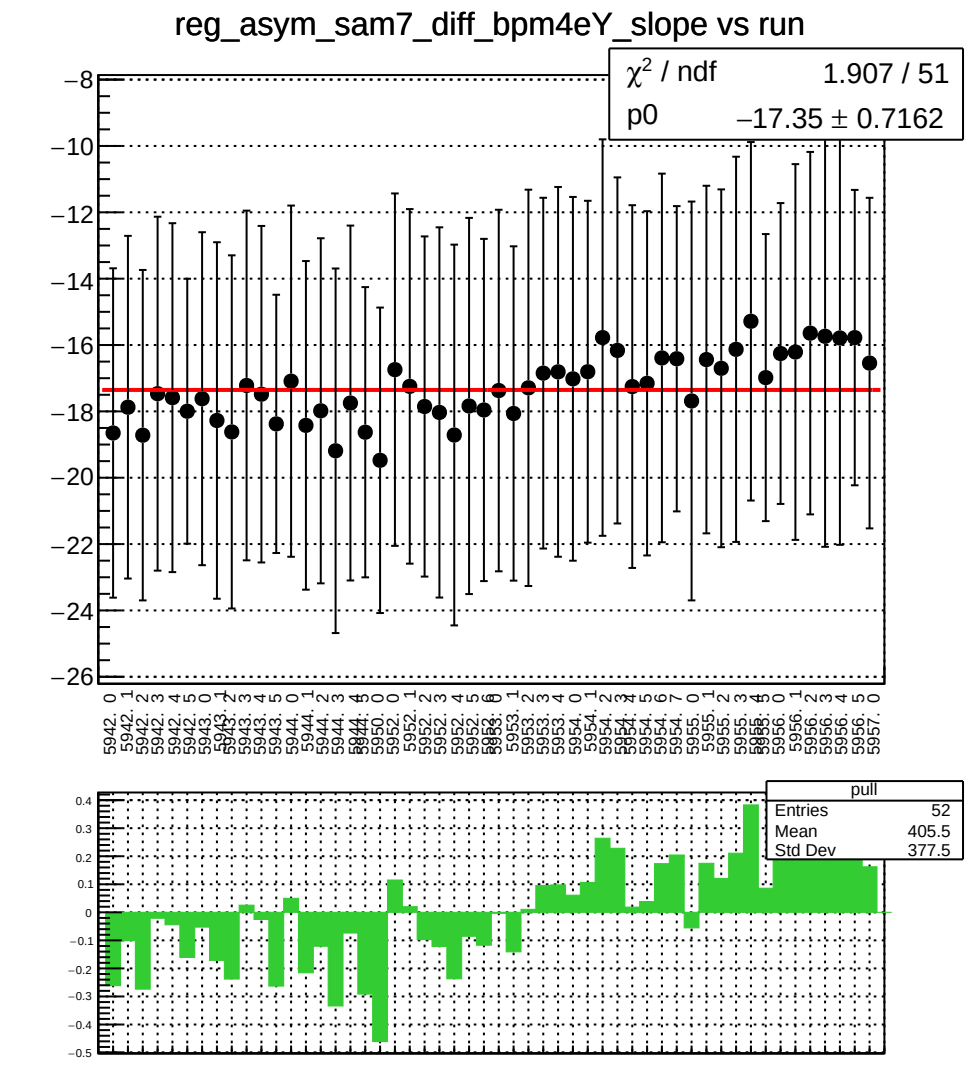

pull1D
Entries 52
Mean −0.0004053
Std Dev 0.1996

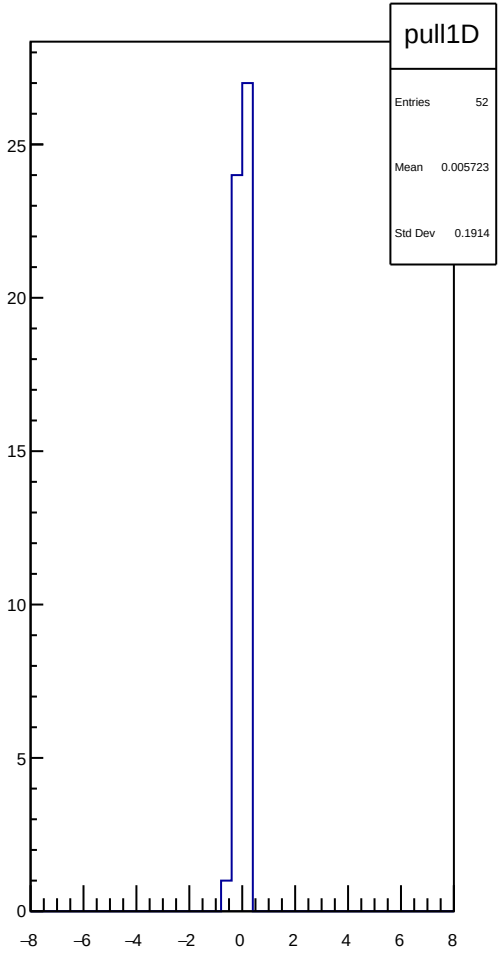

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 1.178 / 51
p0 9.941 ± 0.5488
pull
Entries 52
Mean 494.8
Std Dev 465.2

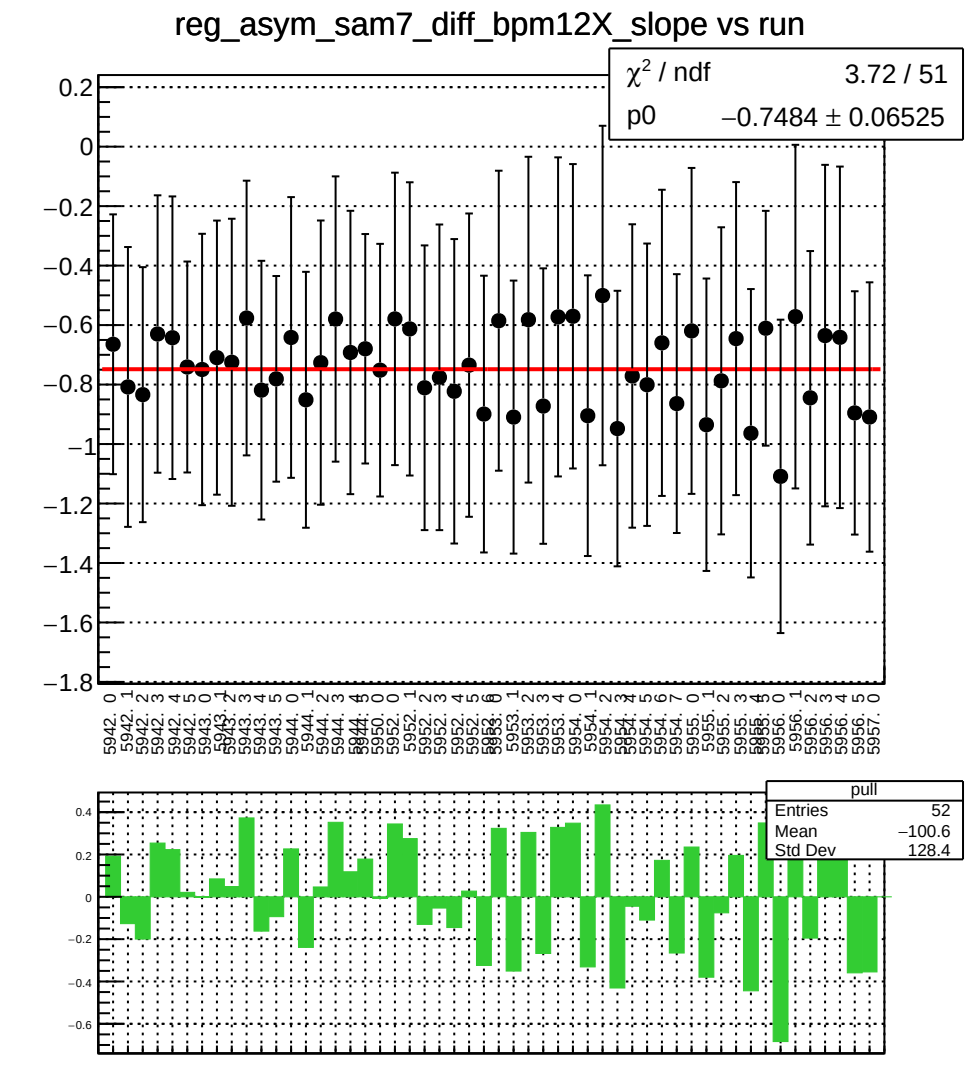

pull1D
Entries 52
Mean −0.002761
Std Dev 0.1505

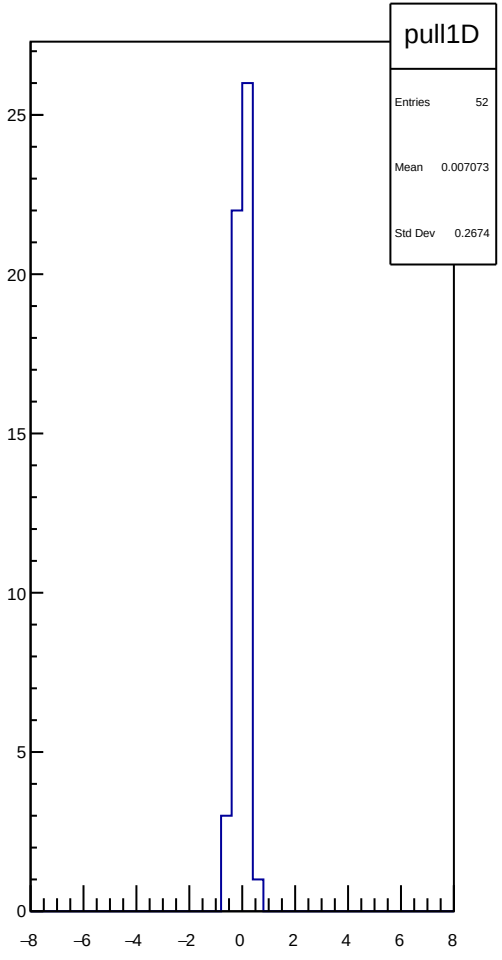

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1.793 / 51
p0 −69.96 ± 1.571
pull
Entries 52
Mean −405.4
Std Dev 431.1

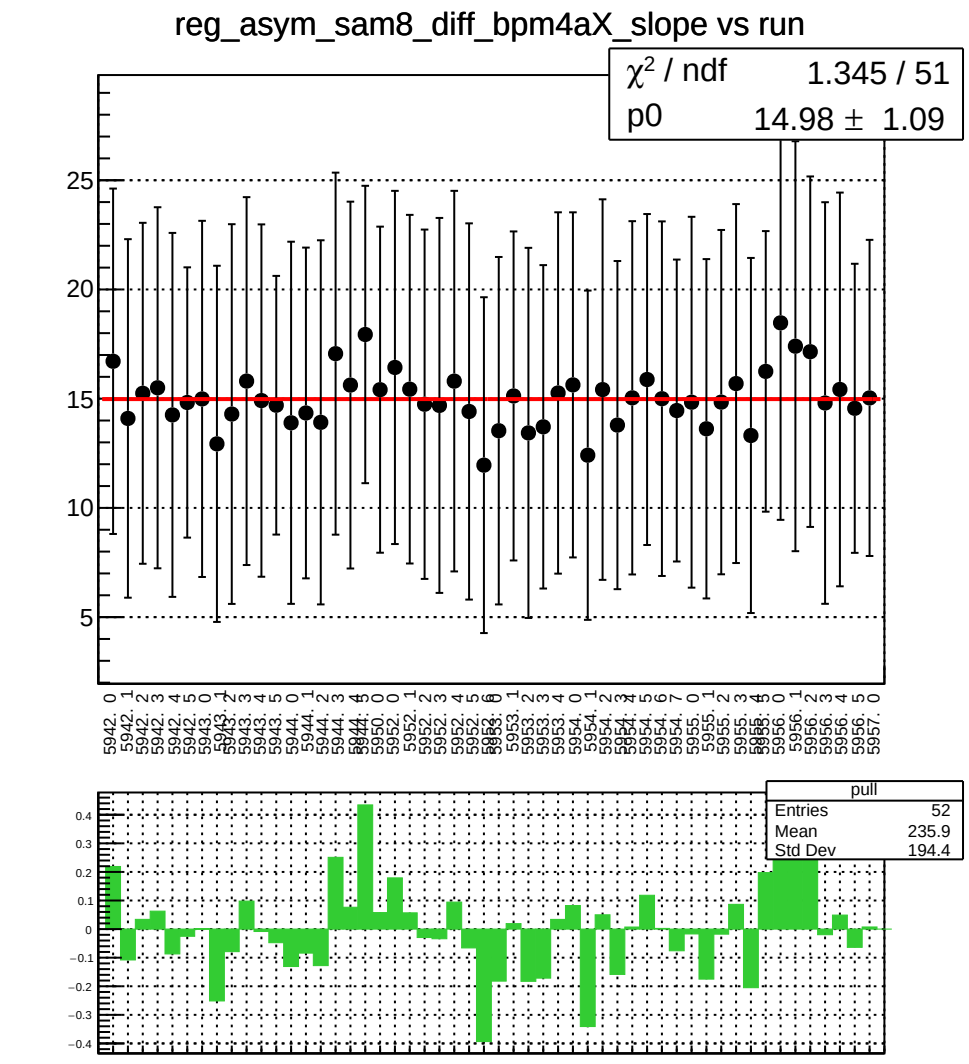

pull1D
Entries 52
Mean −0.002531
Std Dev 0.1857

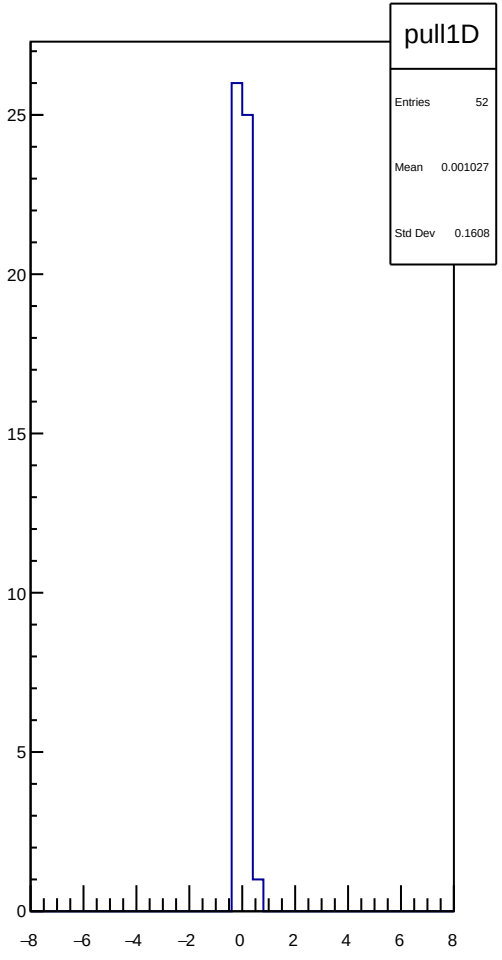

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 1.907 / 51
p0 −17.35 ± 0.7162
pull
Entries 52
Mean 405.5
Std Dev 377.5

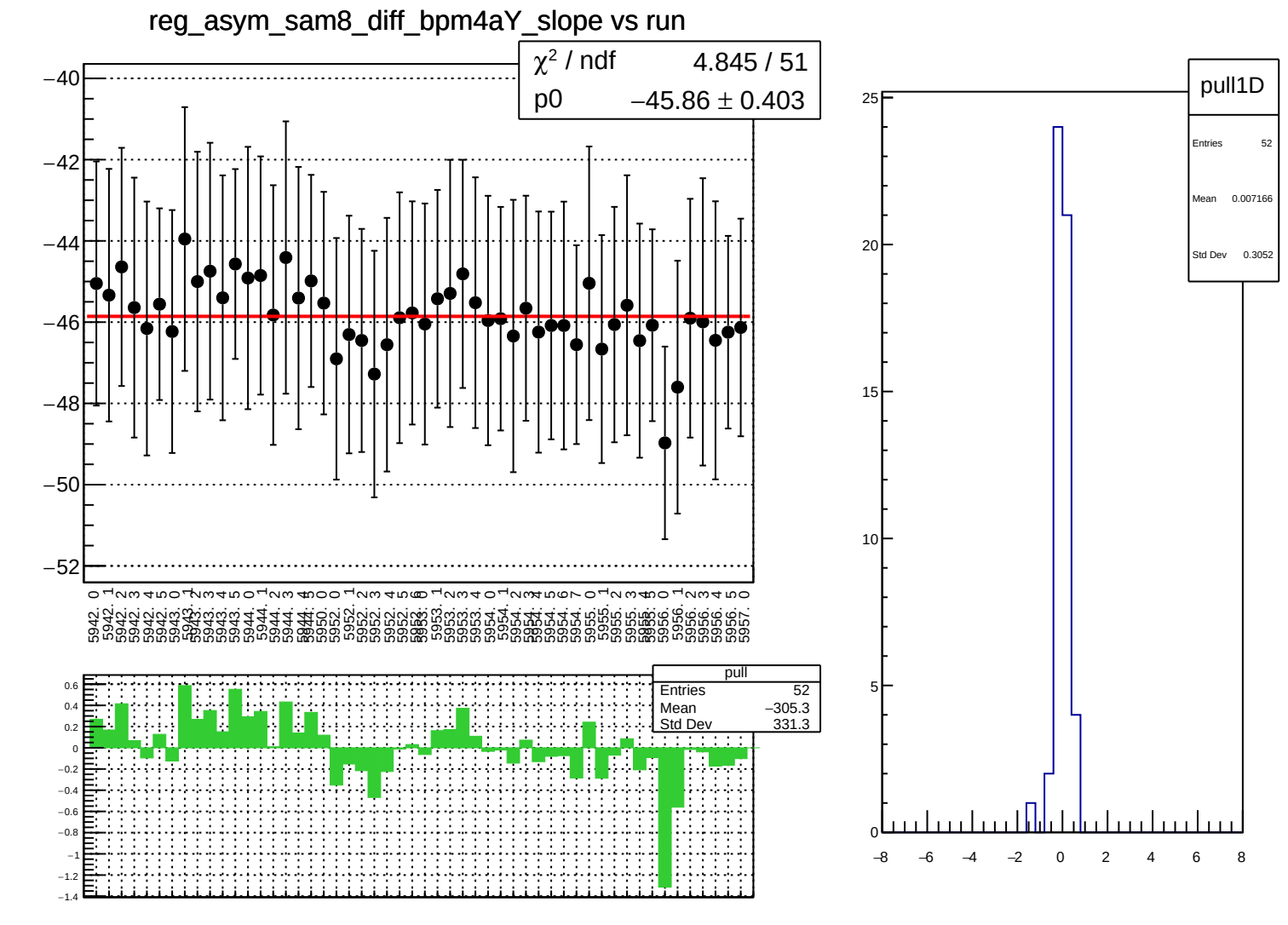

pull1D
Entries 52
Mean 0.005723
Std Dev 0.1914

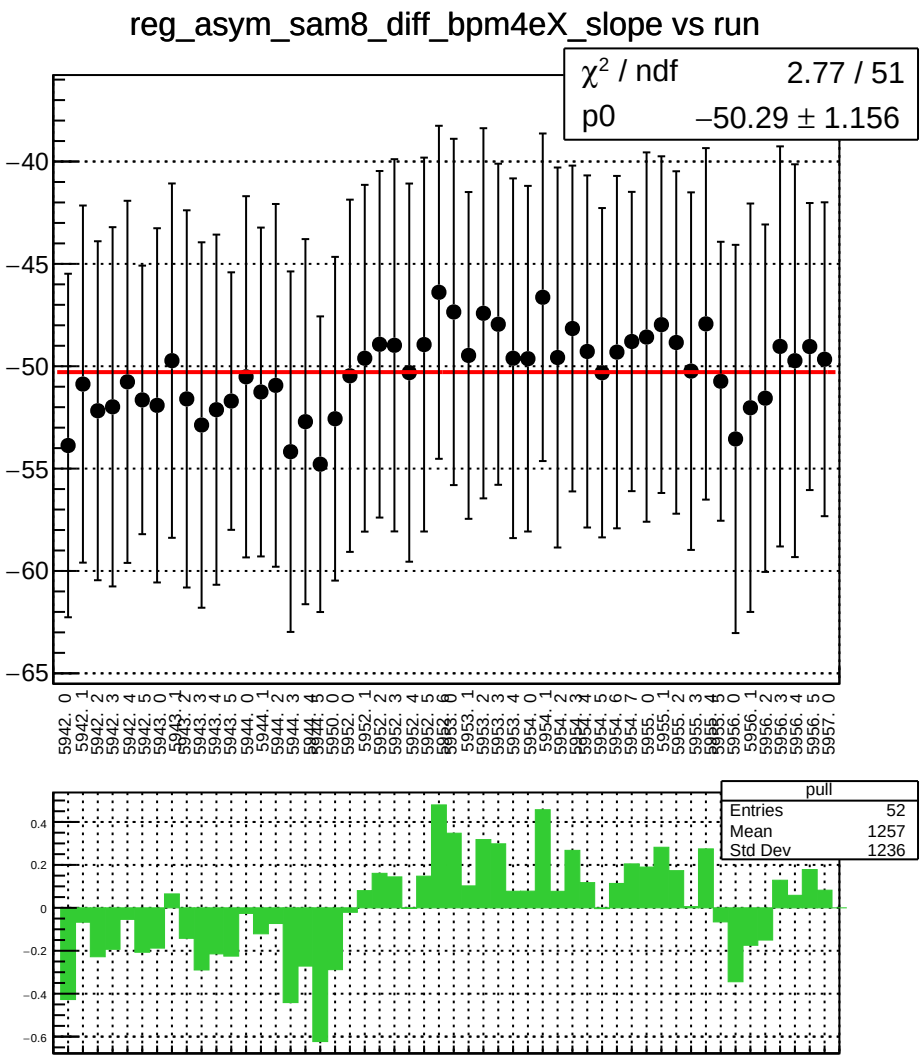

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 3.72 / 51
p0 −0.7484 ± 0.06525
pull
Entries 52
Mean −100.6
Std Dev 128.4

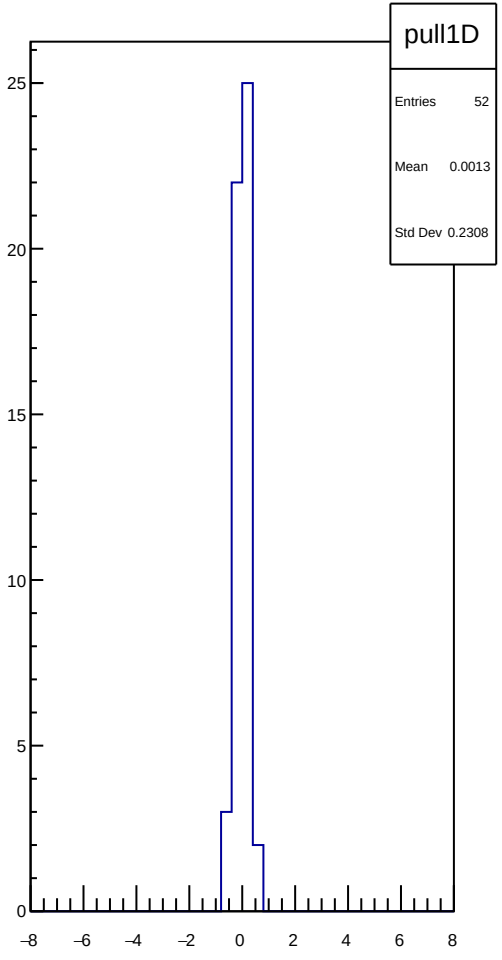

pull1D
Entries 52
Mean 0.007073
Std Dev 0.2674

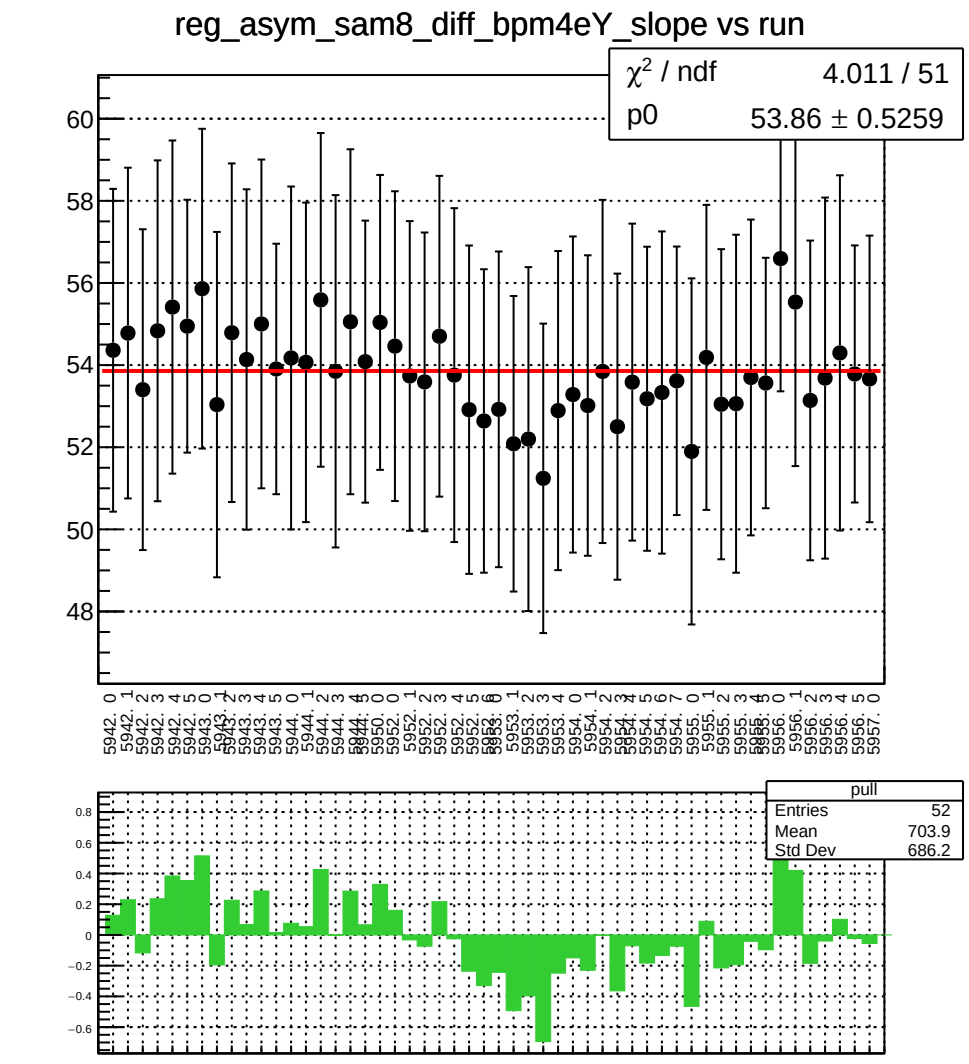

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 1.345 / 51
p0 14.98 ± 1.09
pull
Entries 52
Mean 235.9
Std Dev 194.4

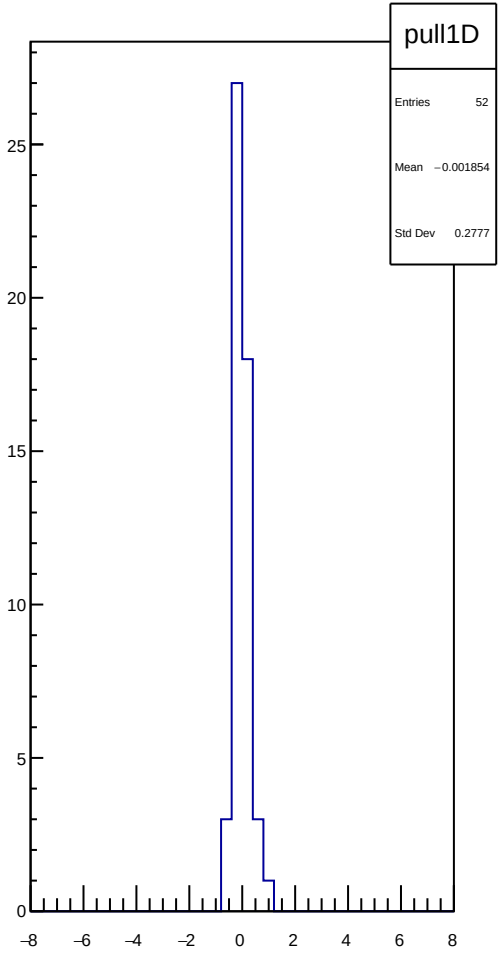

pull1D
Entries 52
Mean 0.001027
Std Dev 0.1608

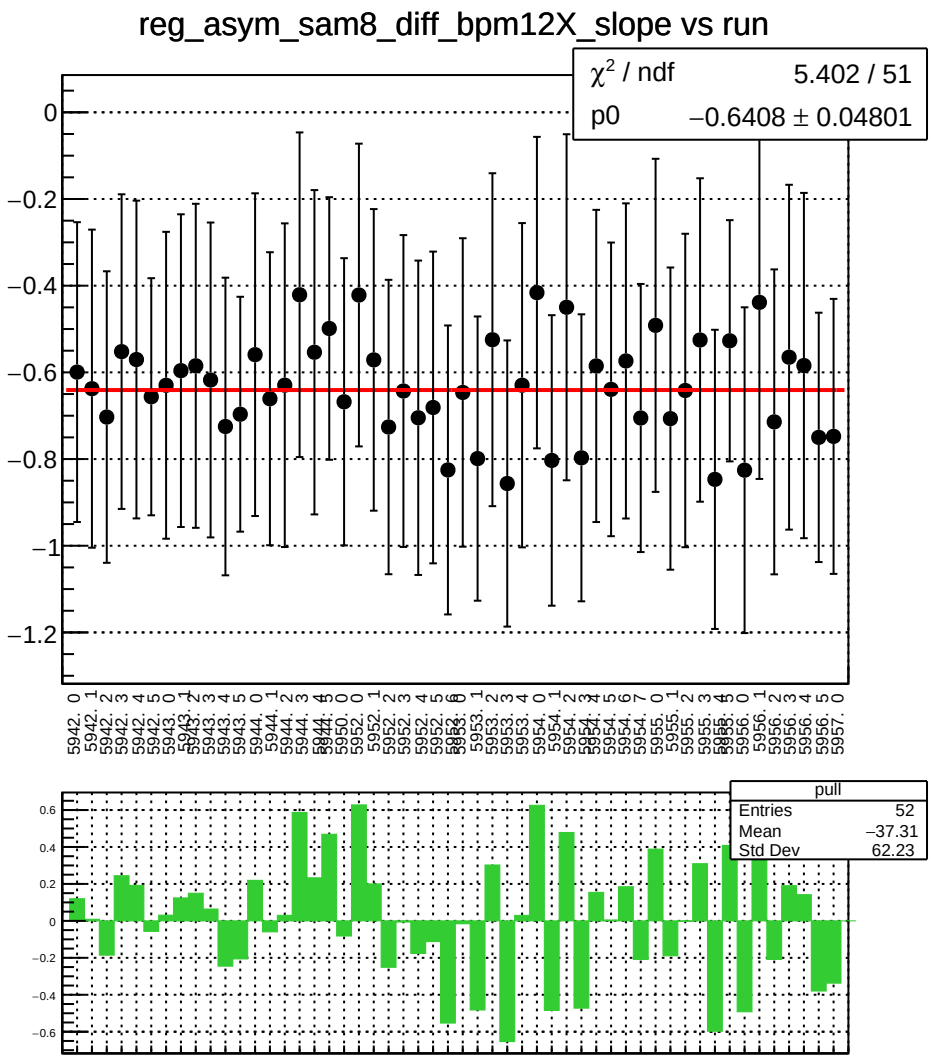

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 4.845 / 51
p0 −45.86 ± 0.403
pull
Entries 52
Mean −305.3
Std Dev 331.3
pull1D
Entries 52
Mean 0.007166
Std Dev 0.3052

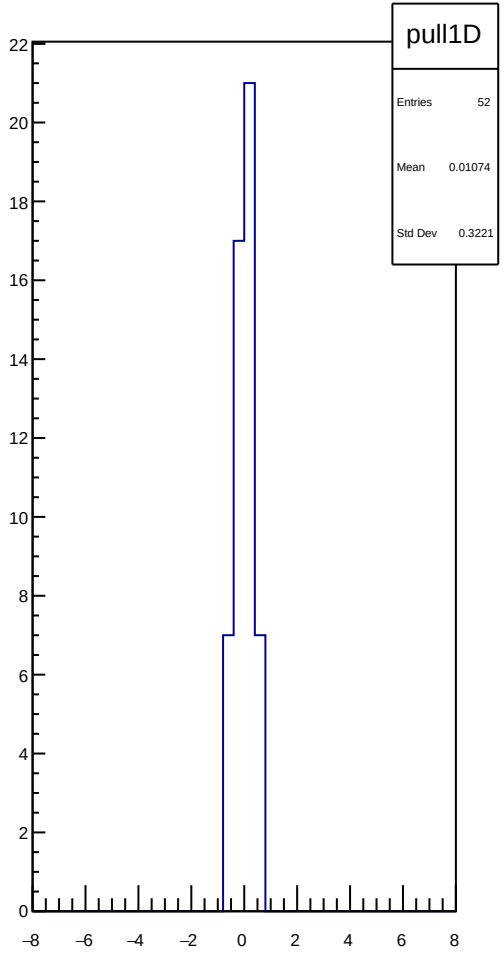

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2.77 / 51
p0 −50.29 ± 1.156
pull
Entries 52
Mean 1257
Std Dev 1236

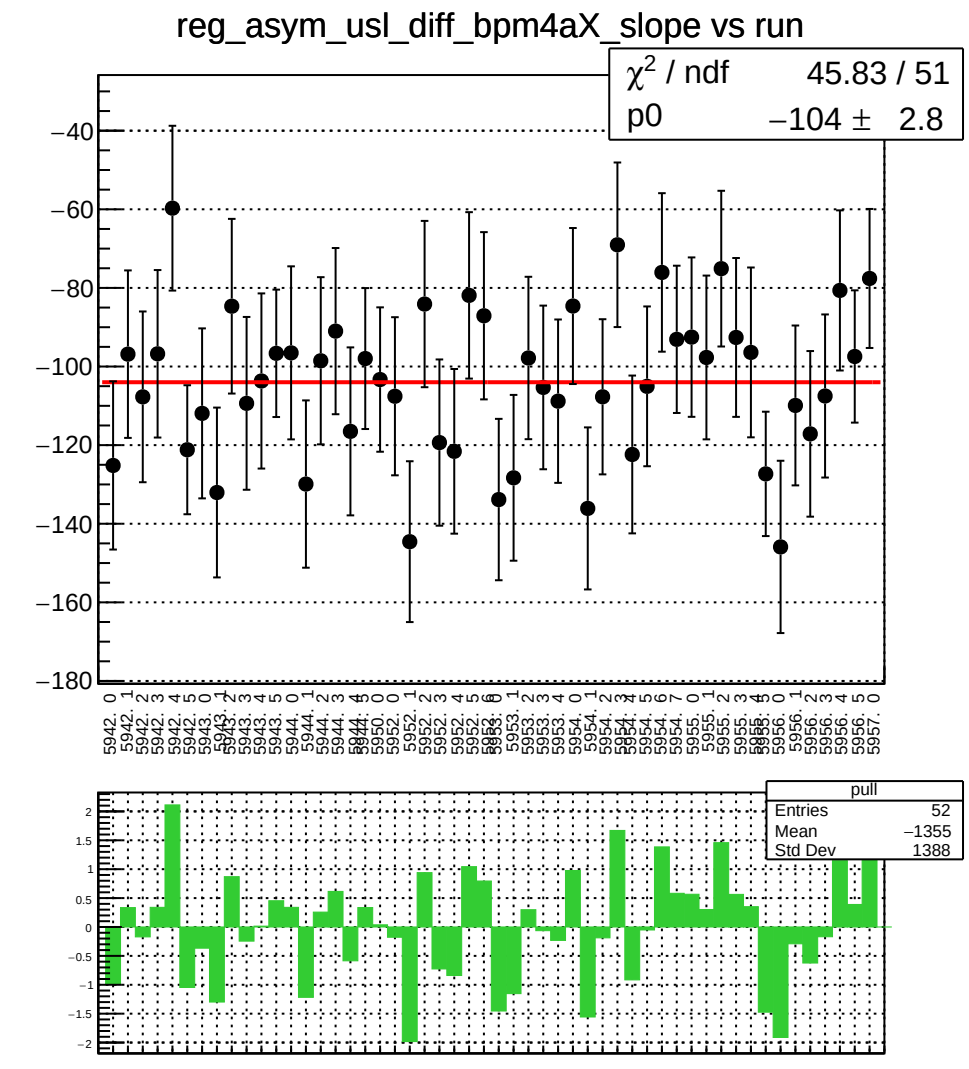

pull1D
Entries 52
Mean 0.0013
Std Dev 0.2308

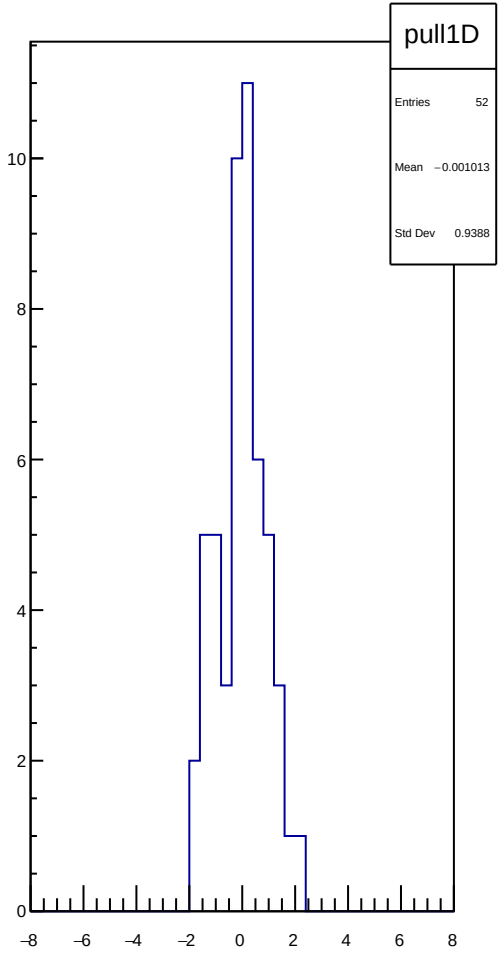

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 4.011 / 51
p0 53.86 ± 0.5259
pull
Entries 52
Mean 703.9
Std Dev 686.2

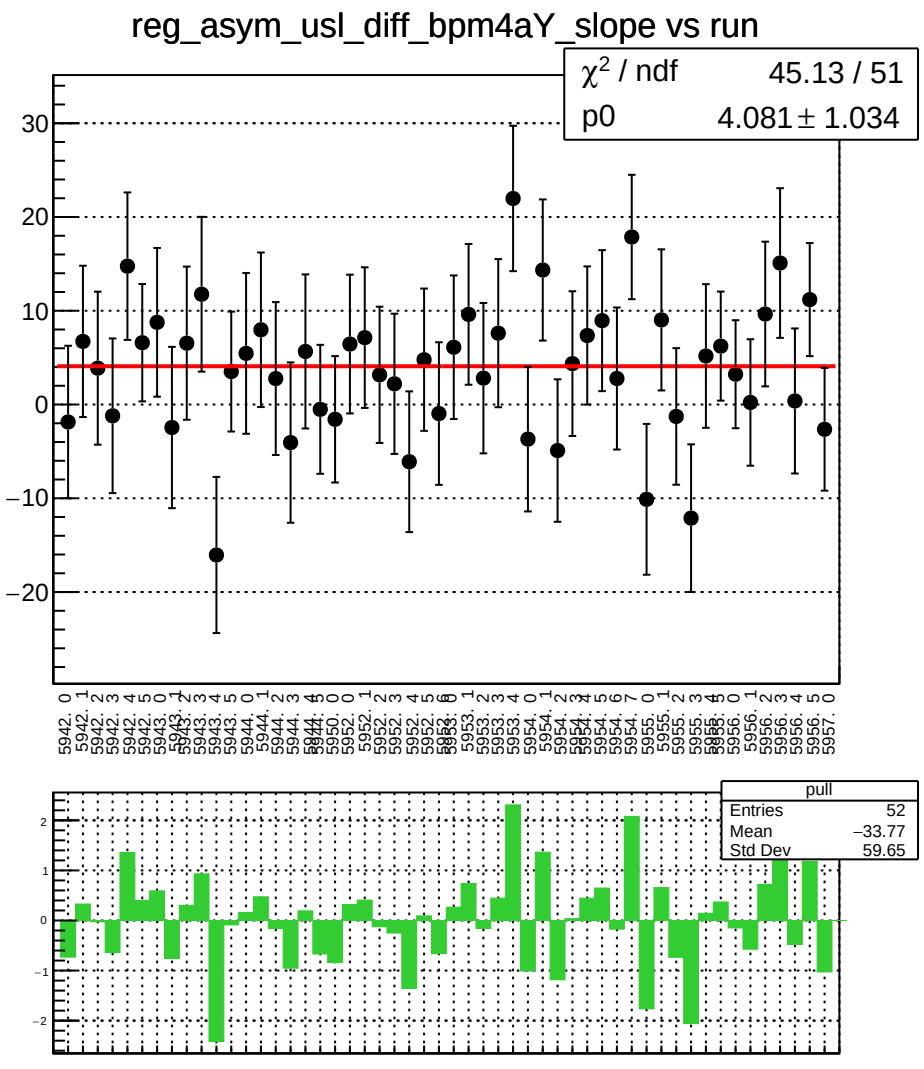

pull1D
Entries 52
Mean −0.001854
Std Dev 0.2777

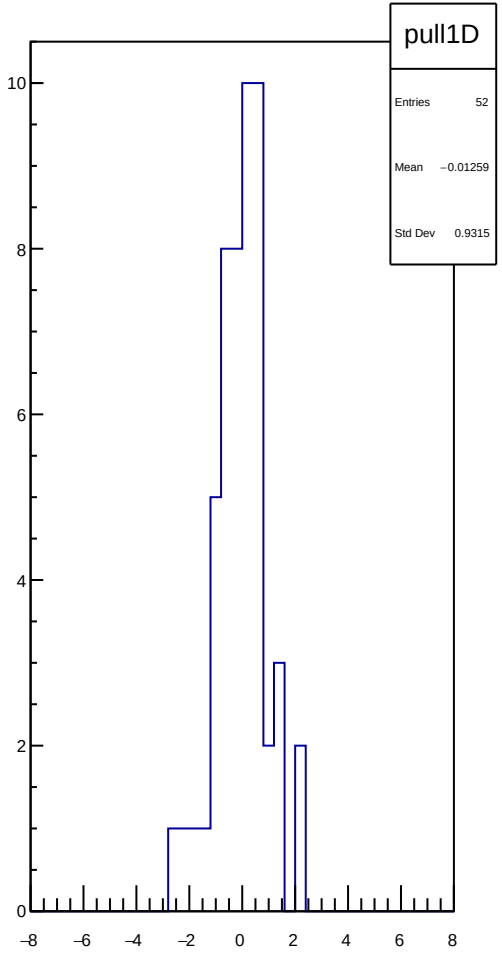

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 5.402 / 51
p0 −0.6408 ± 0.04801
pull
Entries 52
Mean −37.31
Std Dev 62.23

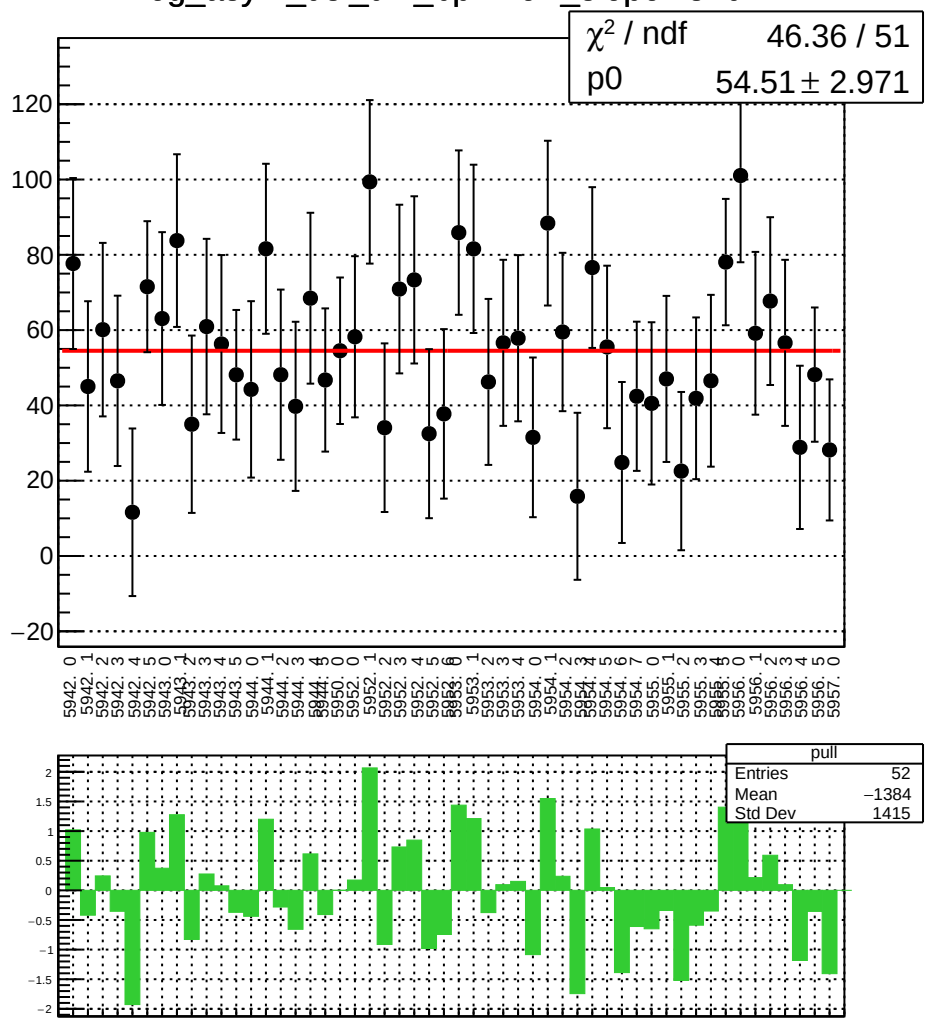

pull1D
Entries 52
Mean 0.01074
Std Dev 0.3221

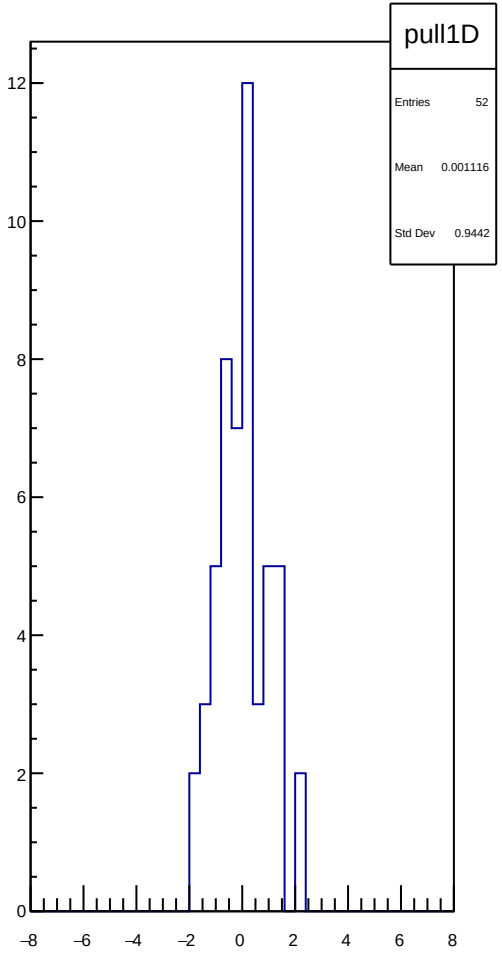

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 45.83 / 51
p0 −104 ± 2.8
pull
Entries 52
Mean −1355
Std Dev 1388

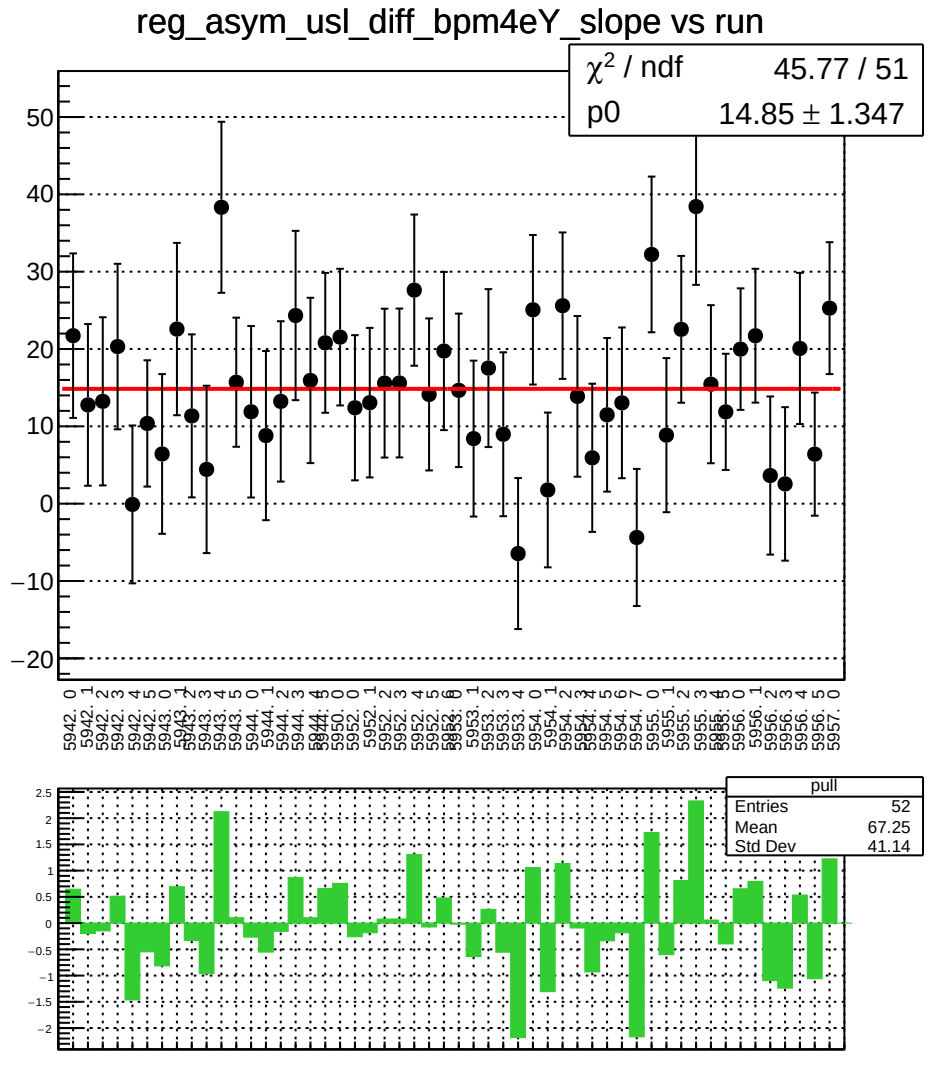

pull1D
Entries 52
Mean −0.001013
Std Dev 0.9388

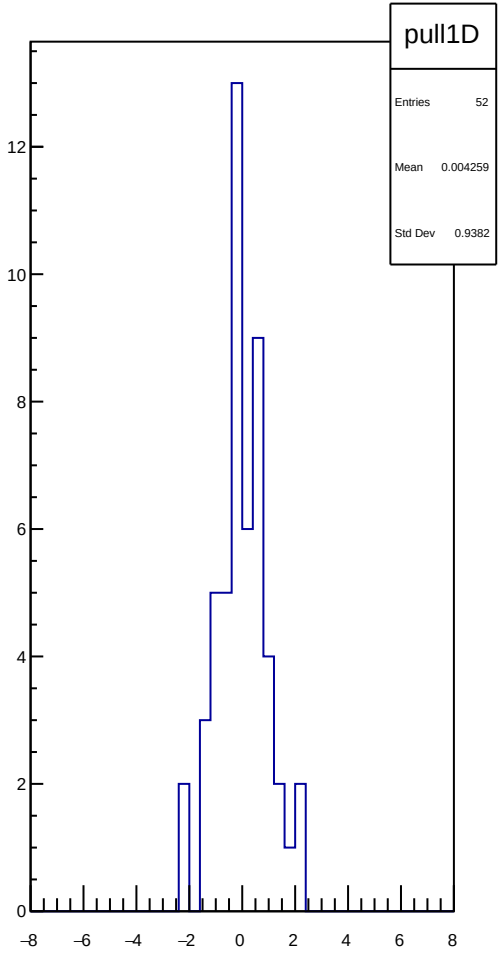

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 45.13 / 51
p0 4.081 ± 1.034
pull
Entries 52
Mean −33.77
Std Dev 59.65

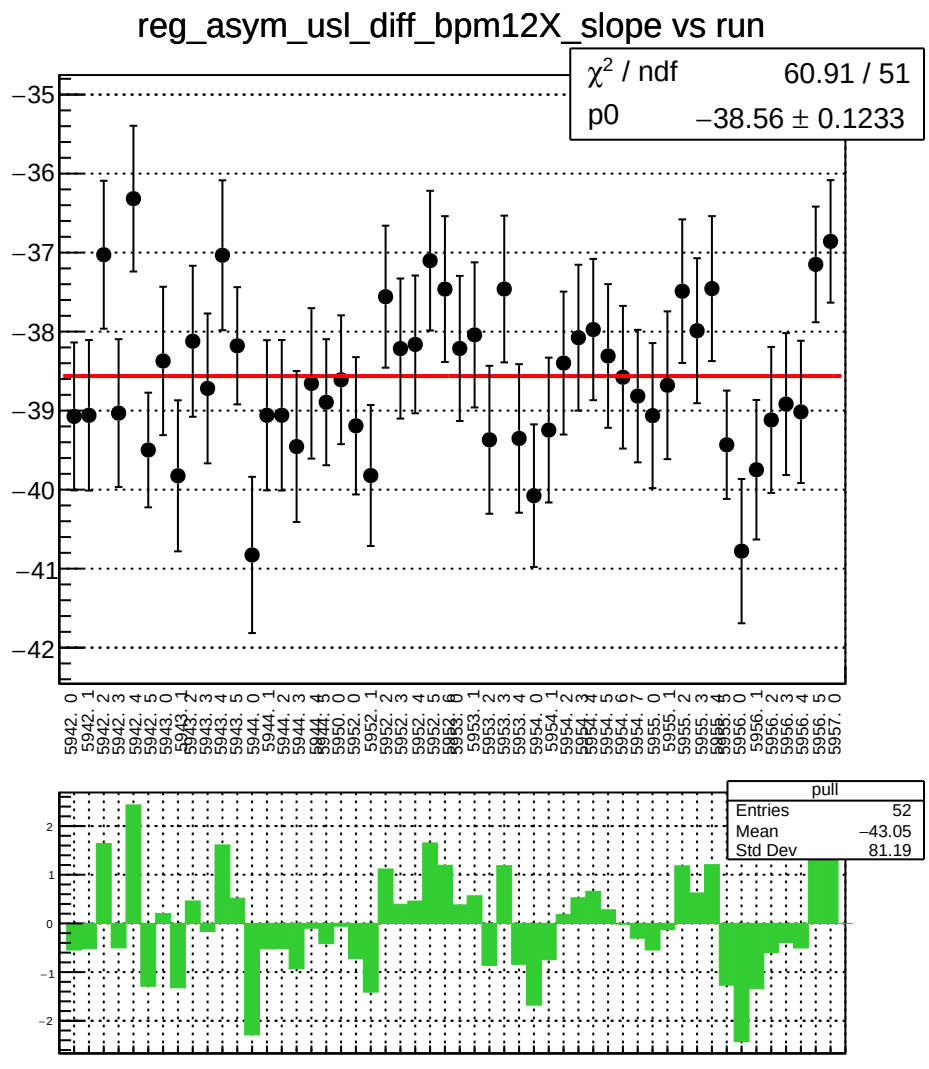

pull1D
Entries 52
Mean −0.01259
Std Dev 0.9315

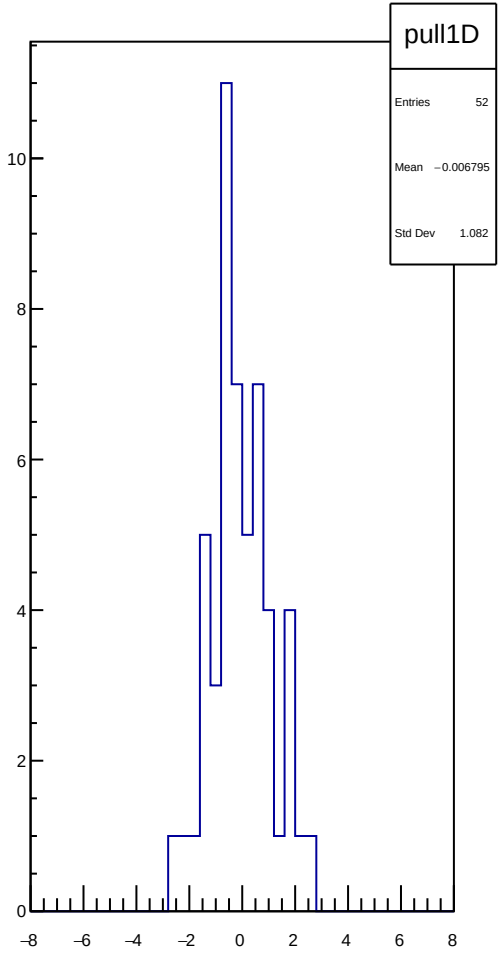

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 46.36 / 51
p0 54.51 ± 2.971
pull
Entries 52
Mean −1384
Std Dev 1415

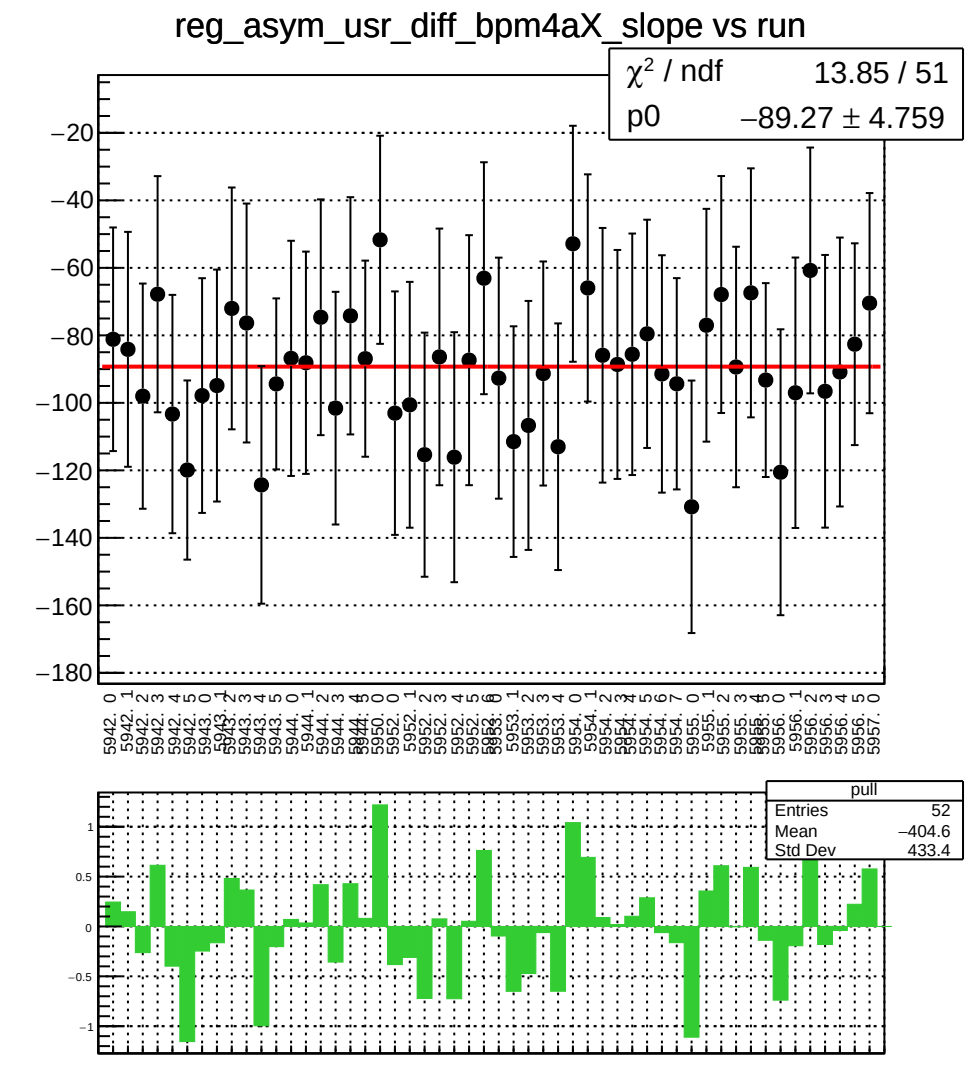

pull1D
Entries 52
Mean 0.001116
Std Dev 0.9442

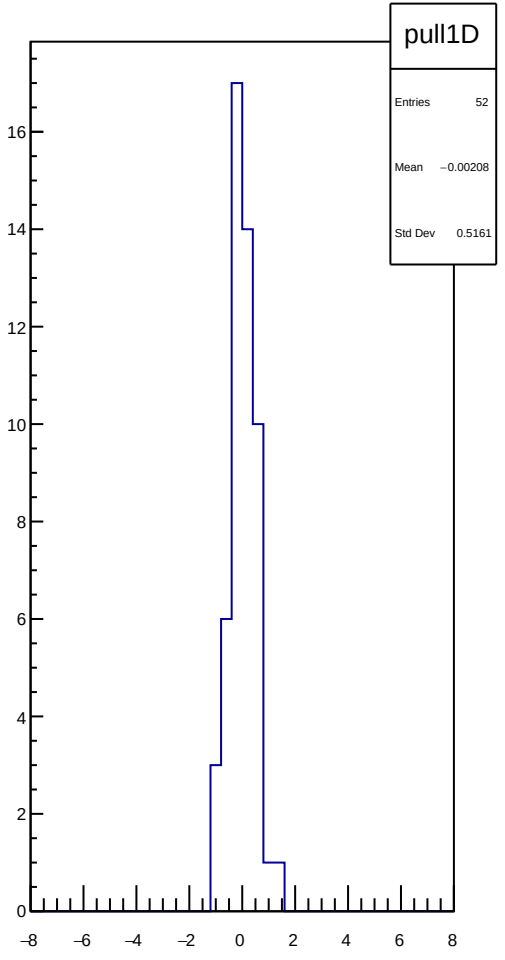

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 45.77 / 51
p0 14.85 ± 1.347
pull
Entries 52
Mean 67.25
Std Dev 41.14

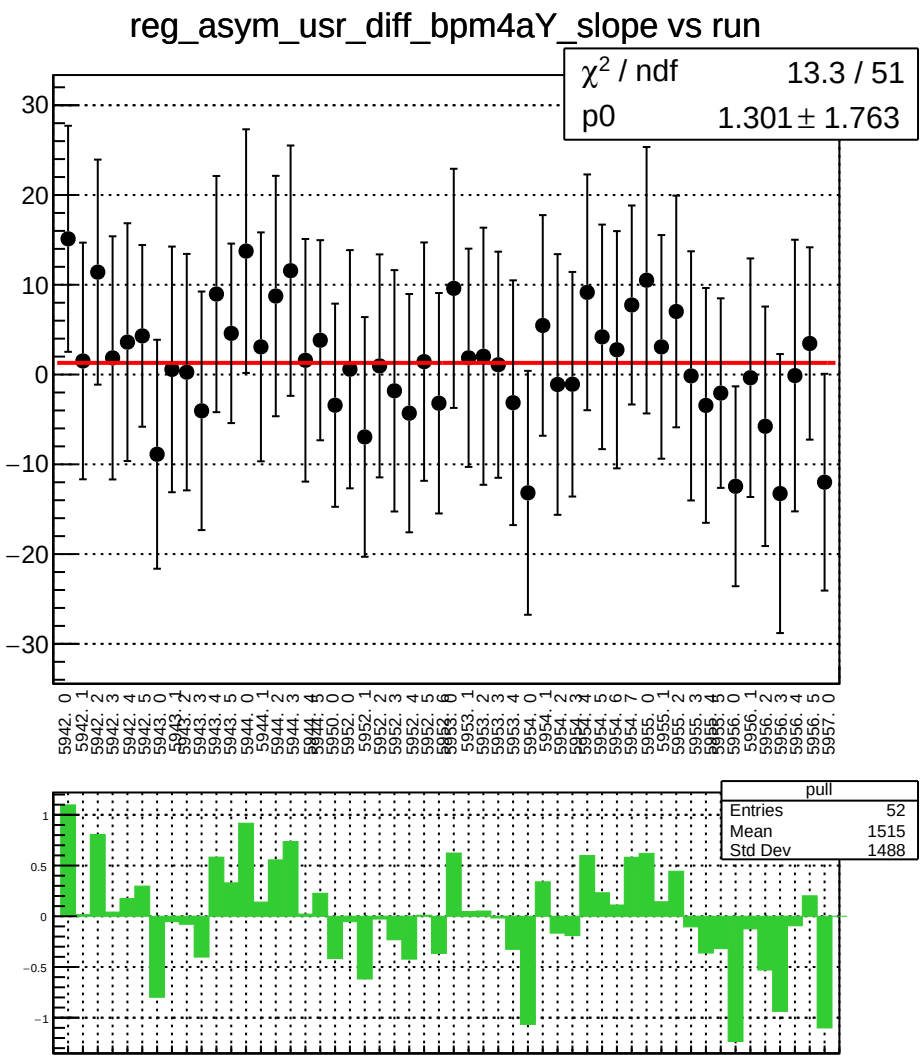

pull1D
Entries 52
Mean 0.004259
Std Dev 0.9382

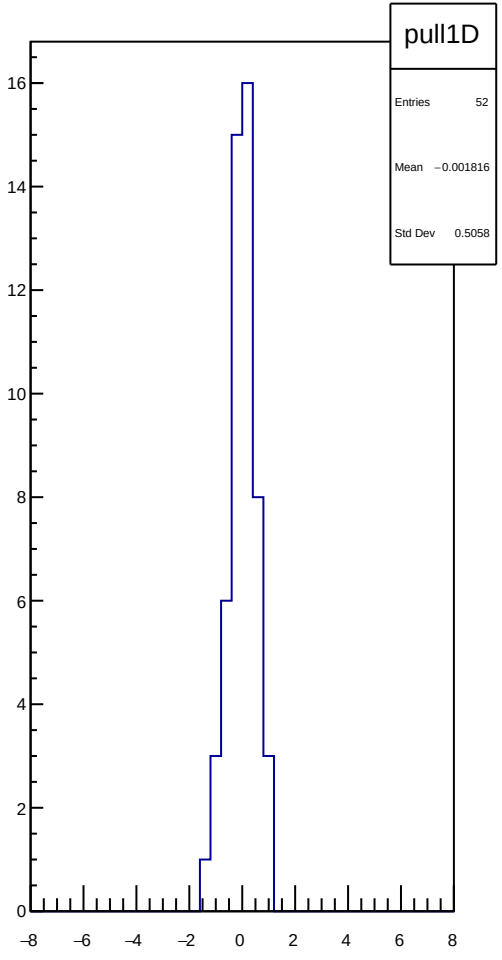

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 60.91 / 51
p0 −38.56 ± 0.1233
pull
Entries 52
Mean −43.05
Std Dev 81.19

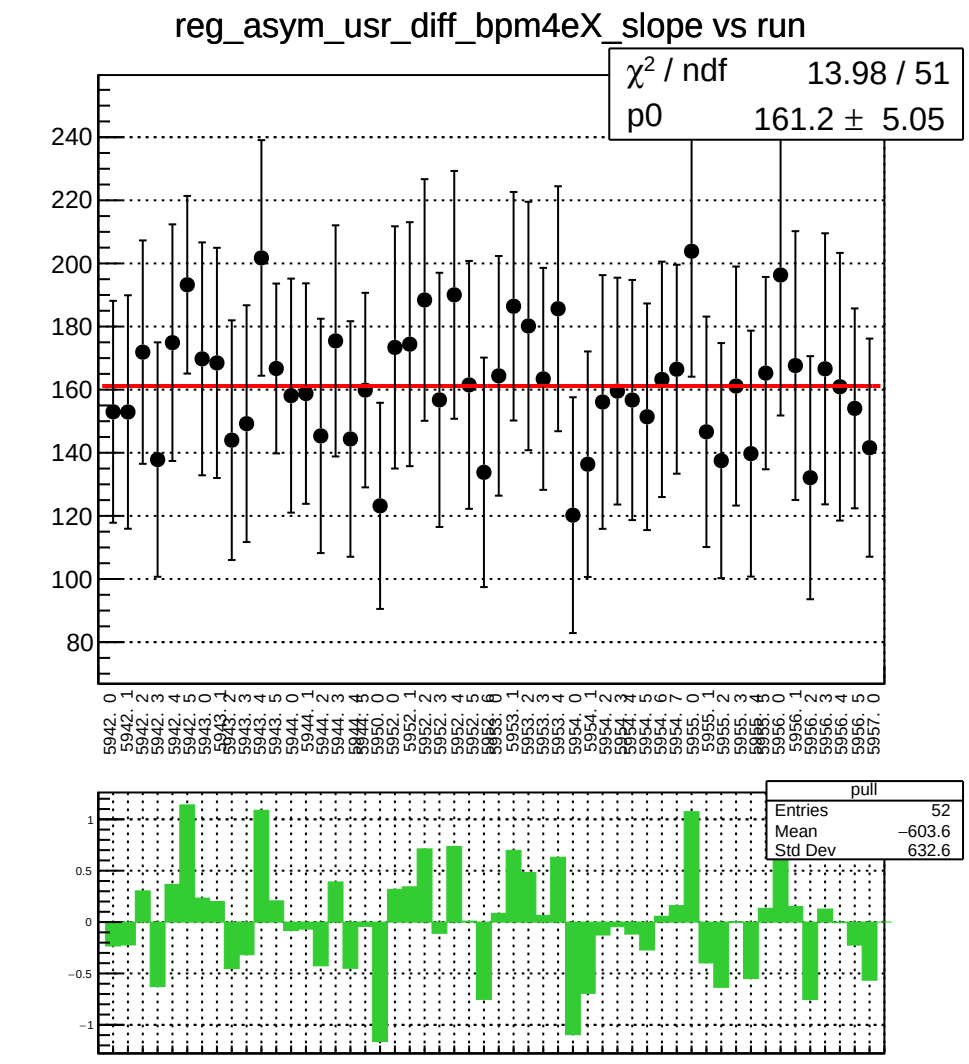

pull1D
Entries 52
Mean −0.006795
Std Dev 1.082

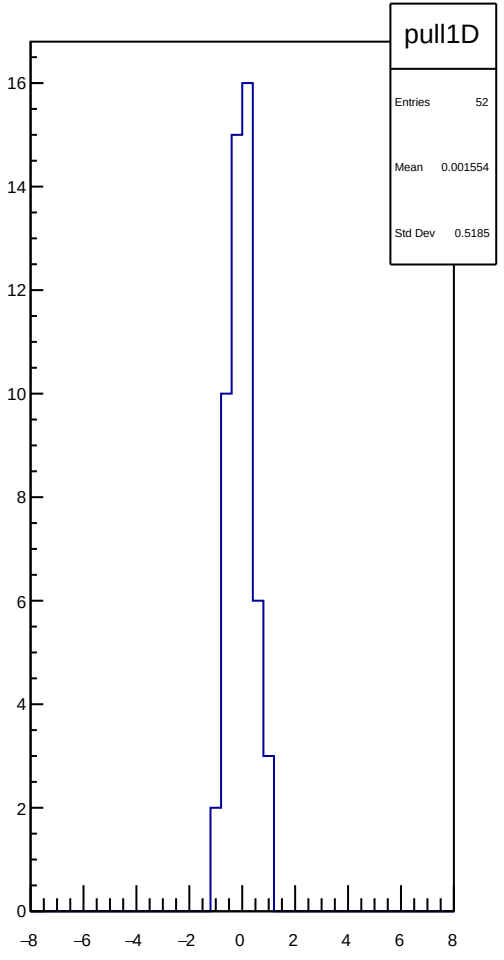

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 13.85 / 51
p0 −89.27 ± 4.759
pull
Entries 52
Mean −404.6
Std Dev 433.4

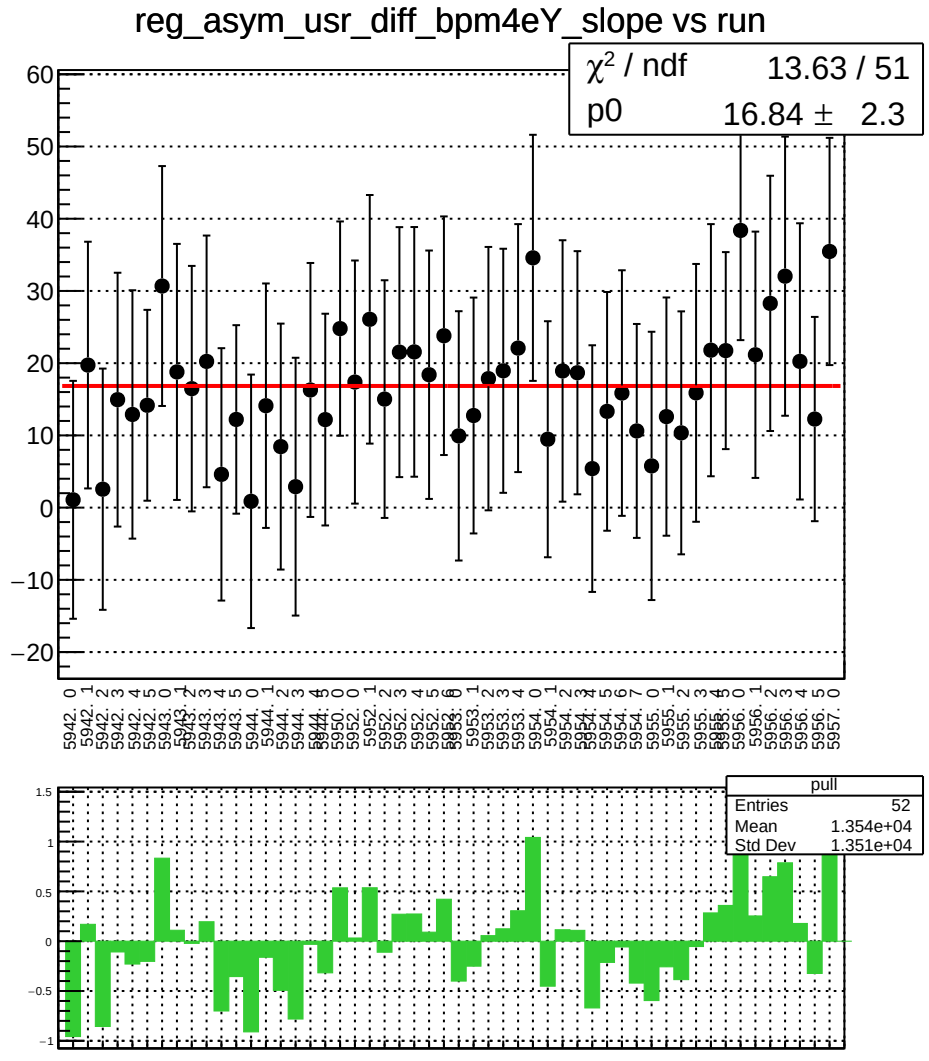

pull1D
Entries 52
Mean −0.00208
Std Dev 0.5161

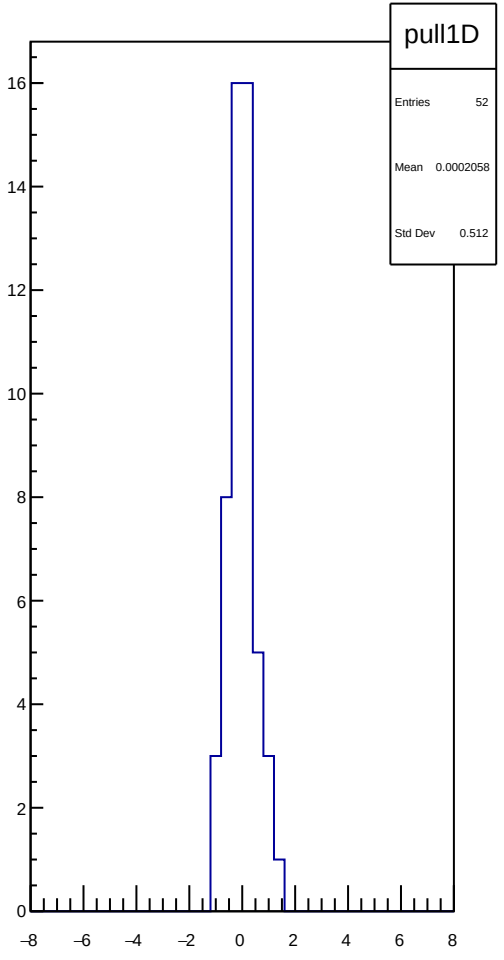

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 13.3 / 51
p0 1.301 ± 1.763
pull
Entries 52
Mean 1515
Std Dev 1488

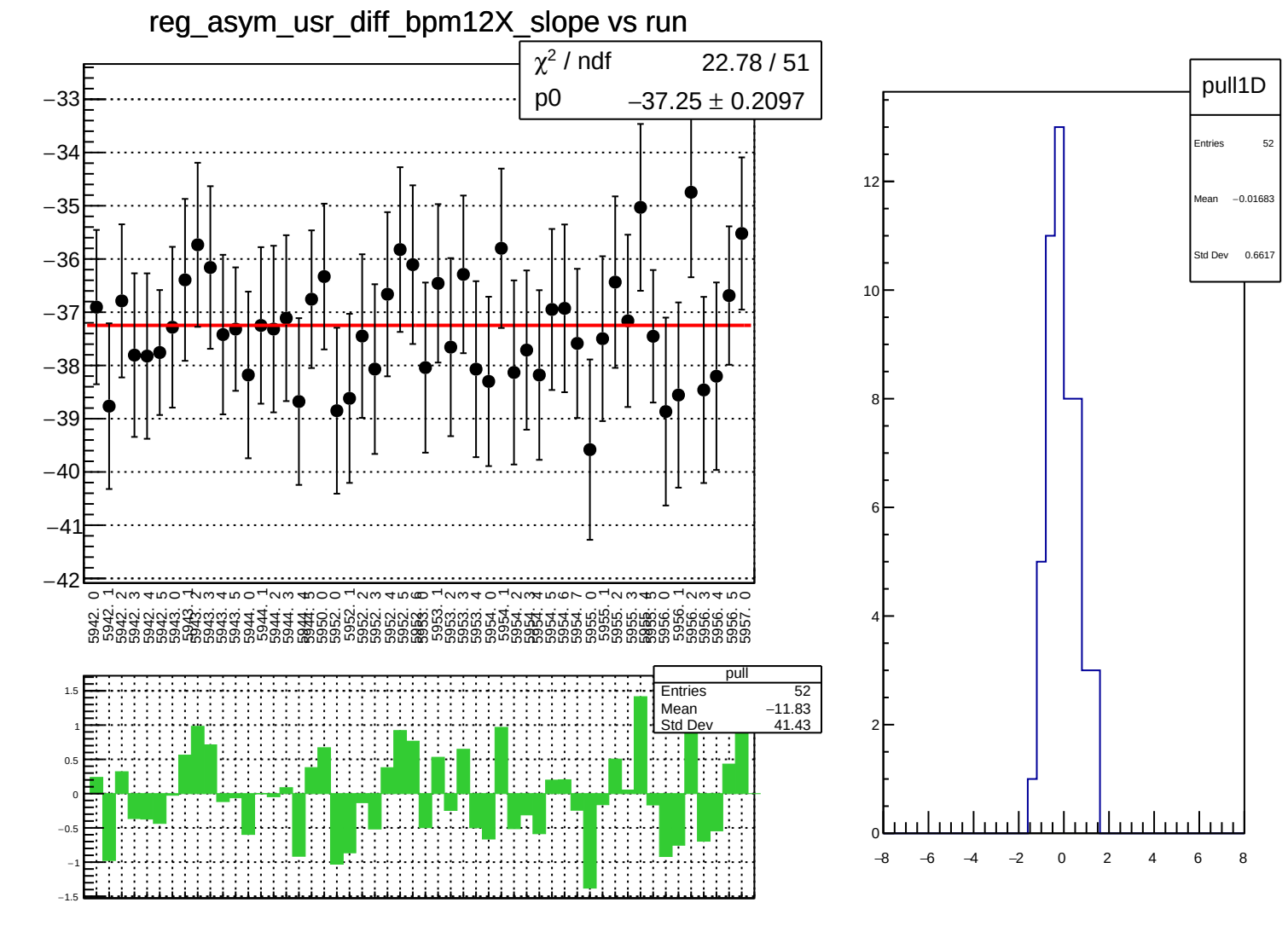

pull1D
Entries 52
Mean −0.001816
Std Dev 0.5058

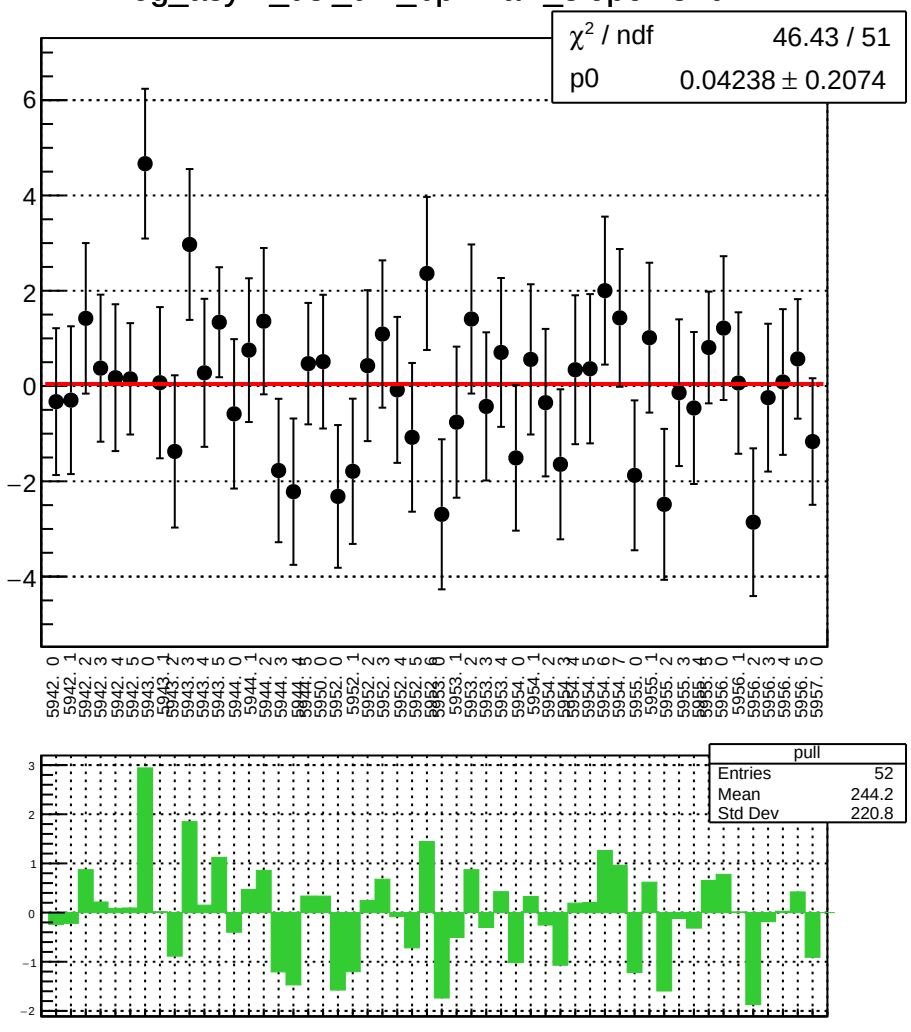

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 13.98 / 51
p0 161.2 ± 5.05
pull
Entries 52
Mean −603.6
Std Dev 632.6

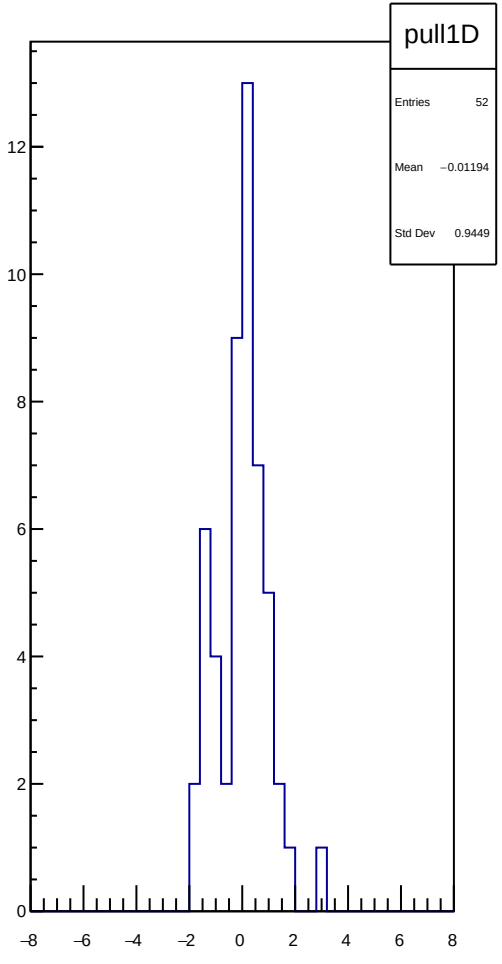

pull1D
Entries 52
Mean 0.001554
Std Dev 0.5185

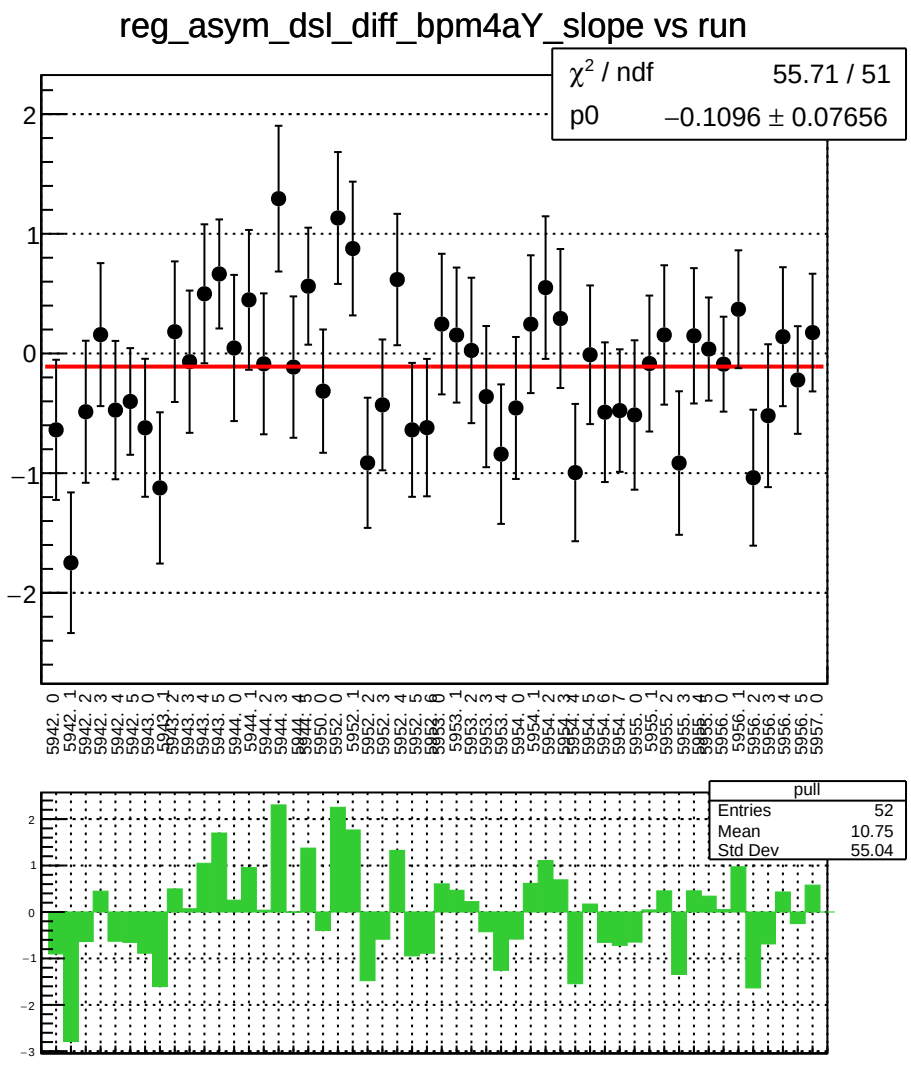

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.63 / 51
p0 16.84 ± 2.3
pull
Entries 52
Mean 1.354e+04
Std Dev 1.351e+04

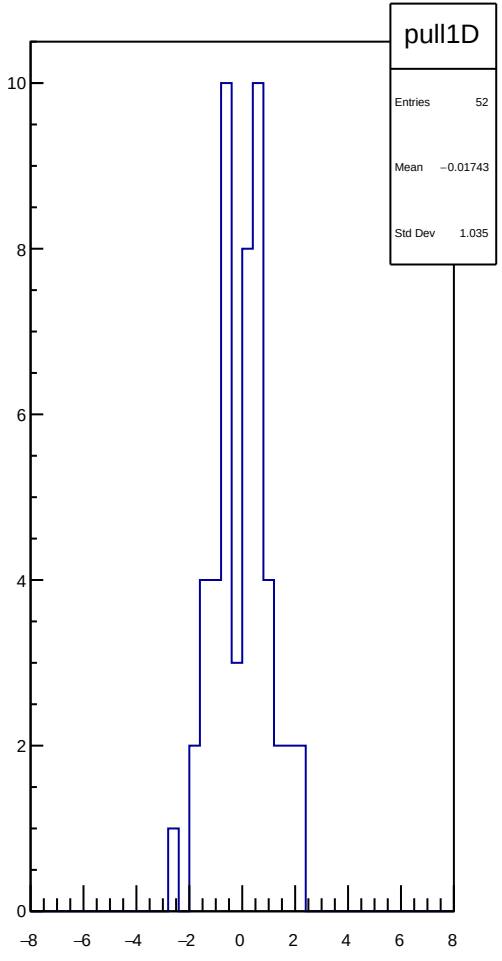

pull1D
Entries 52
Mean 0.0002058
Std Dev 0.512

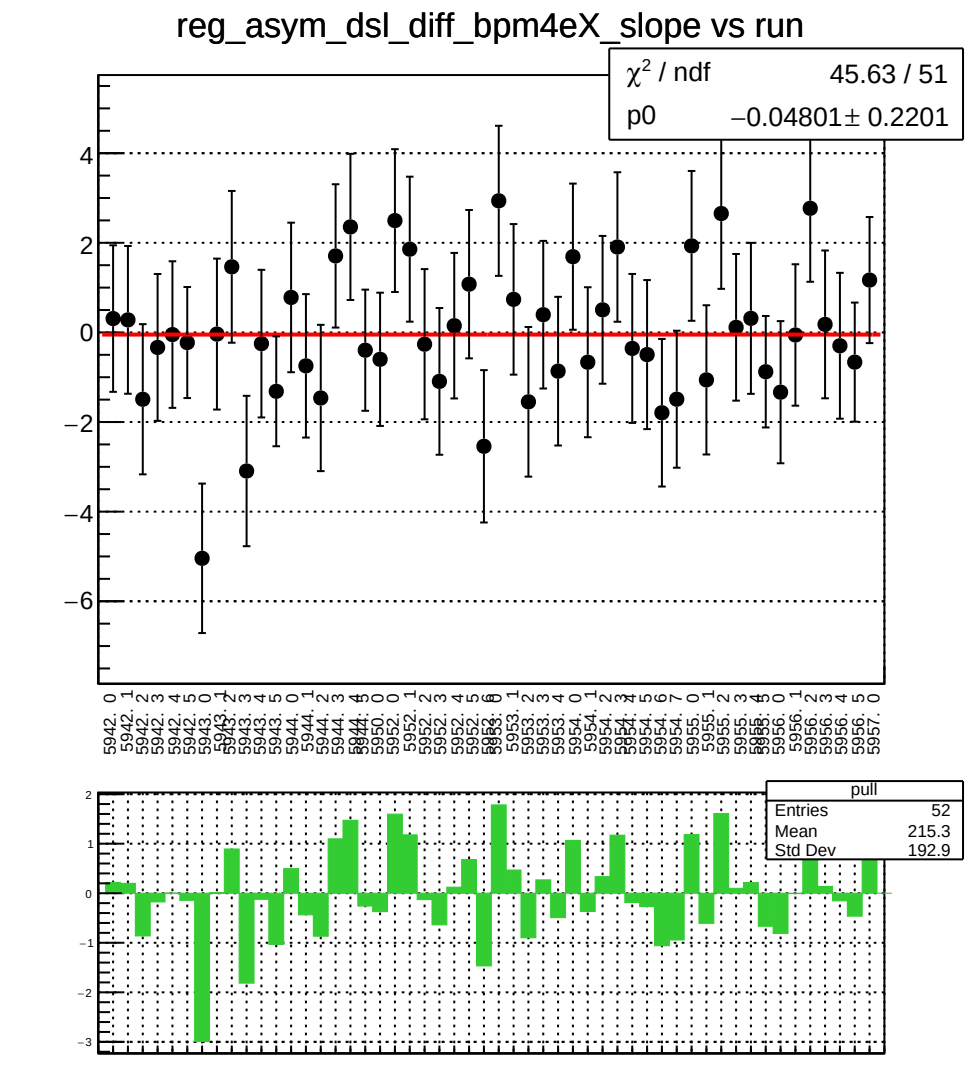

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 22.78 / 51
p0 −37.25 ± 0.2097
pull
Entries 52
Mean −11.83
Std Dev 41.43
pull1D
Entries 52
Mean −0.01683
Std Dev 0.6617

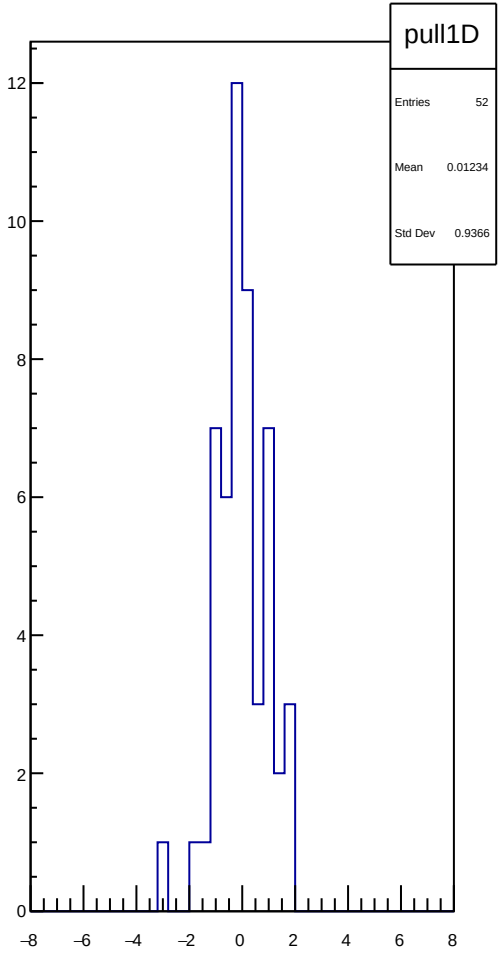

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 46.43 / 51
p0 0.04238 ± 0.2074
pull
Entries 52
Mean 244.2
Std Dev 220.8

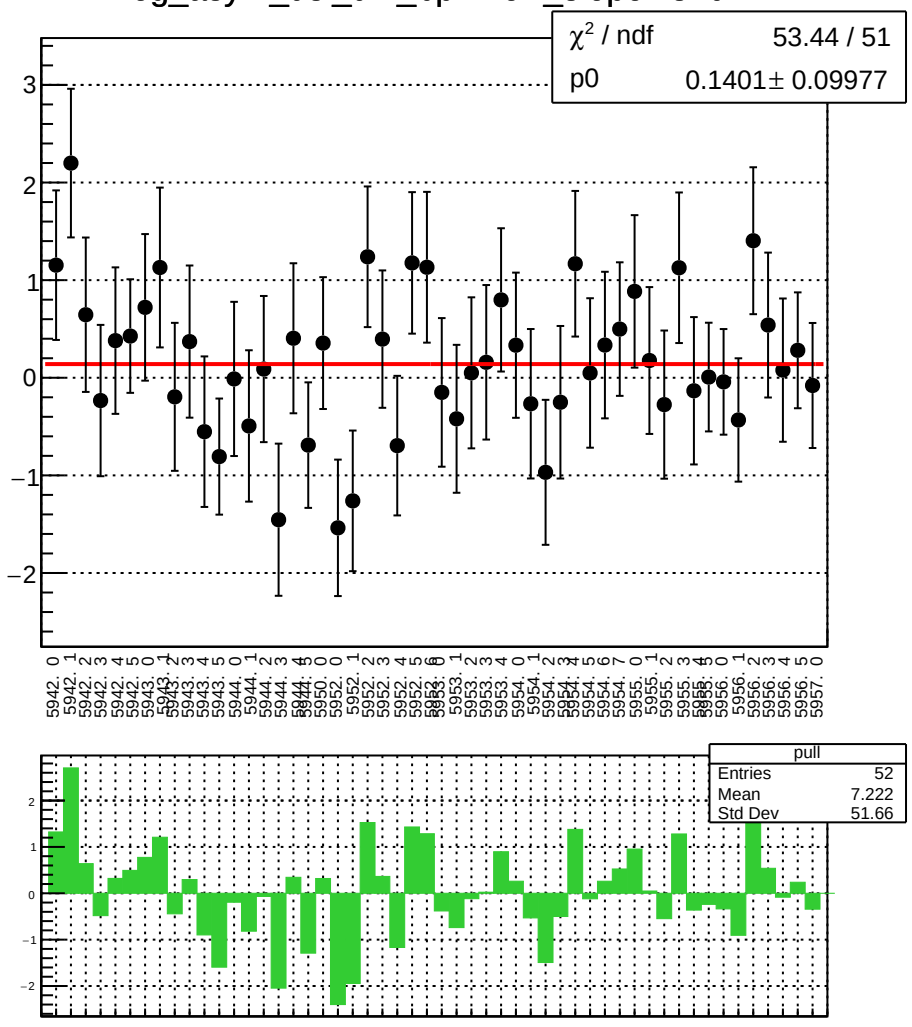

pull1D
Entries 52
Mean −0.01194
Std Dev 0.9449

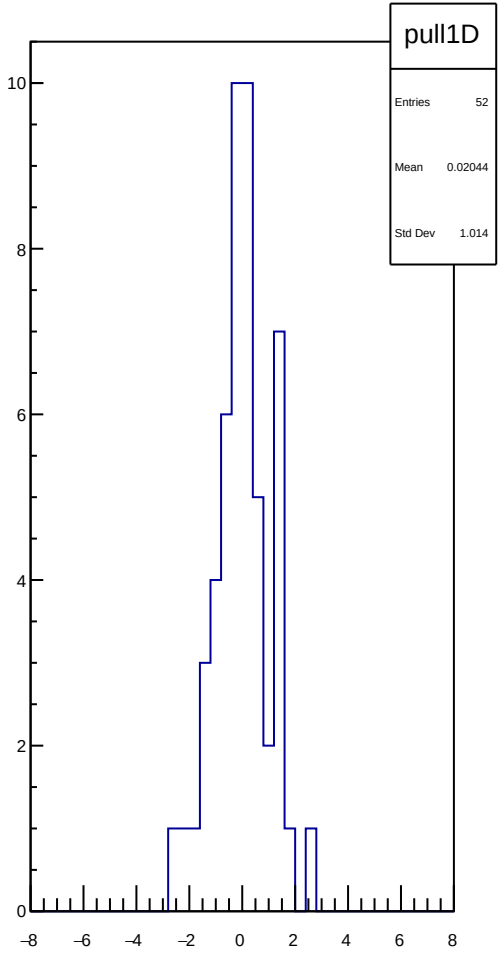

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 55.71 / 51
p0 −0.1096 ± 0.07656
pull
Entries 52
Mean 10.75
Std Dev 55.04

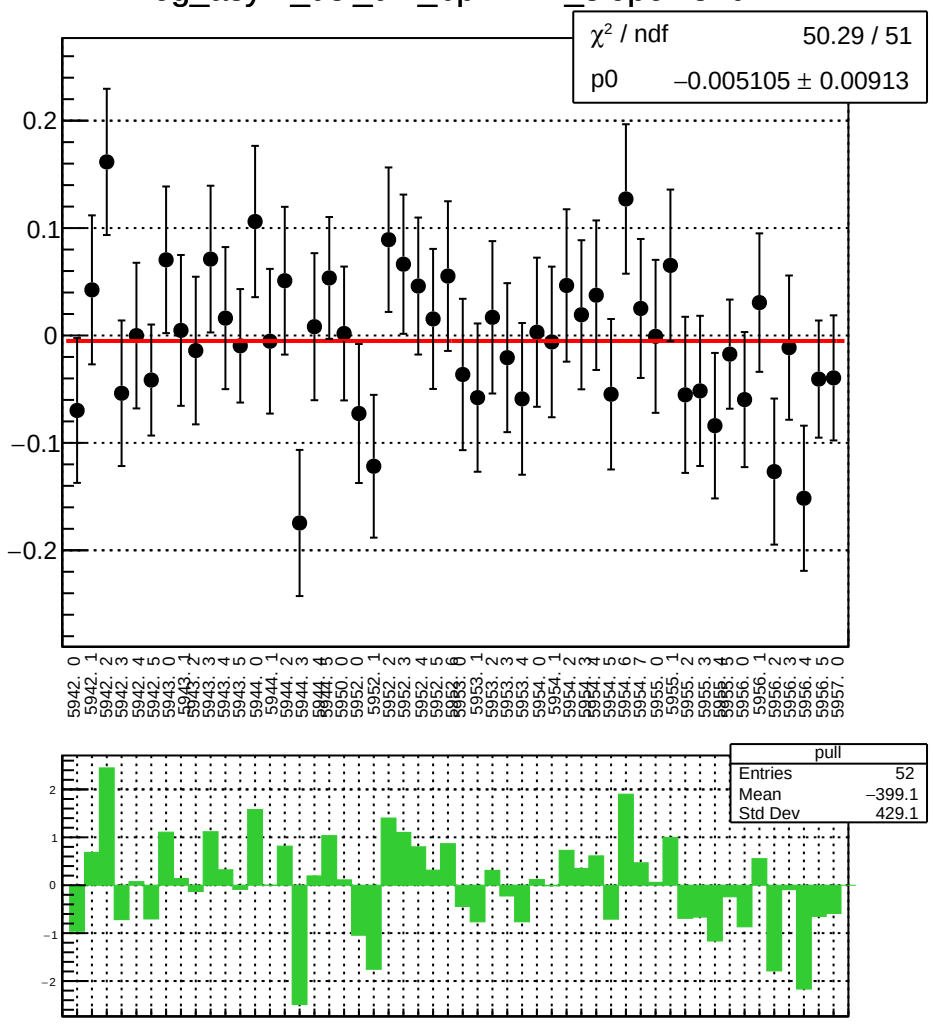

pull1D
Entries 52
Mean −0.01743
Std Dev 1.035

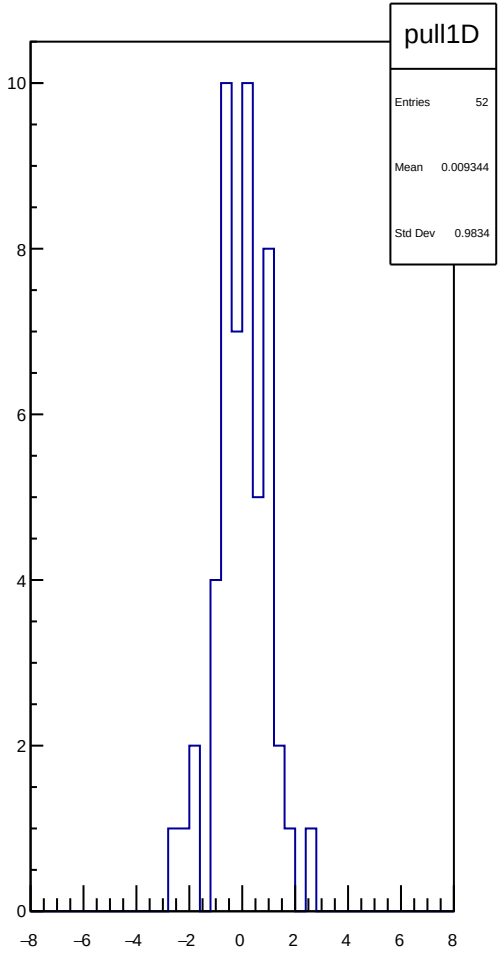

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 45.63 / 51
p0 −0.04801± 0.2201
pull
Entries 52
Mean 215.3
Std Dev 192.9

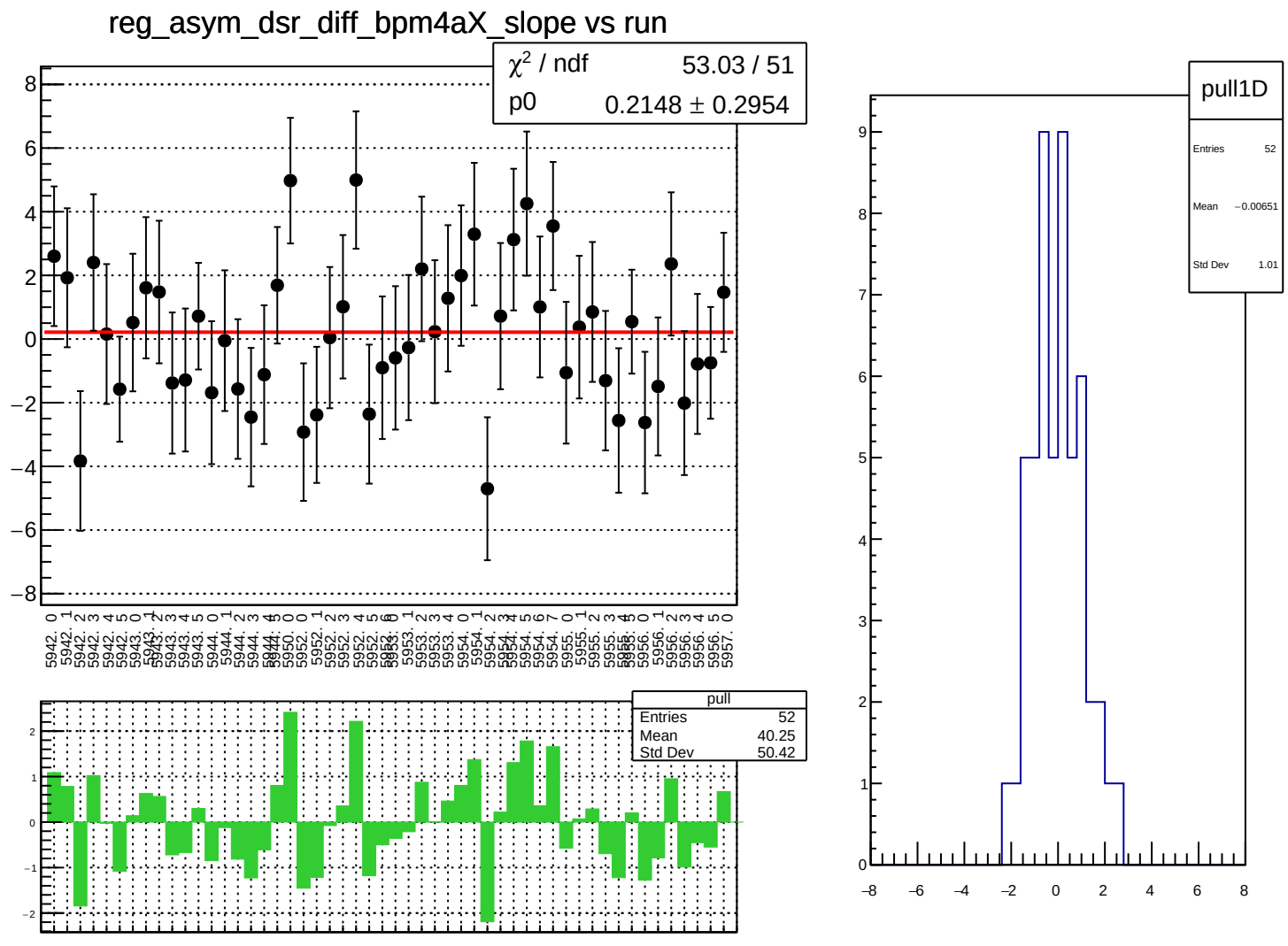

pull1D
Entries 52
Mean 0.01234
Std Dev 0.9366

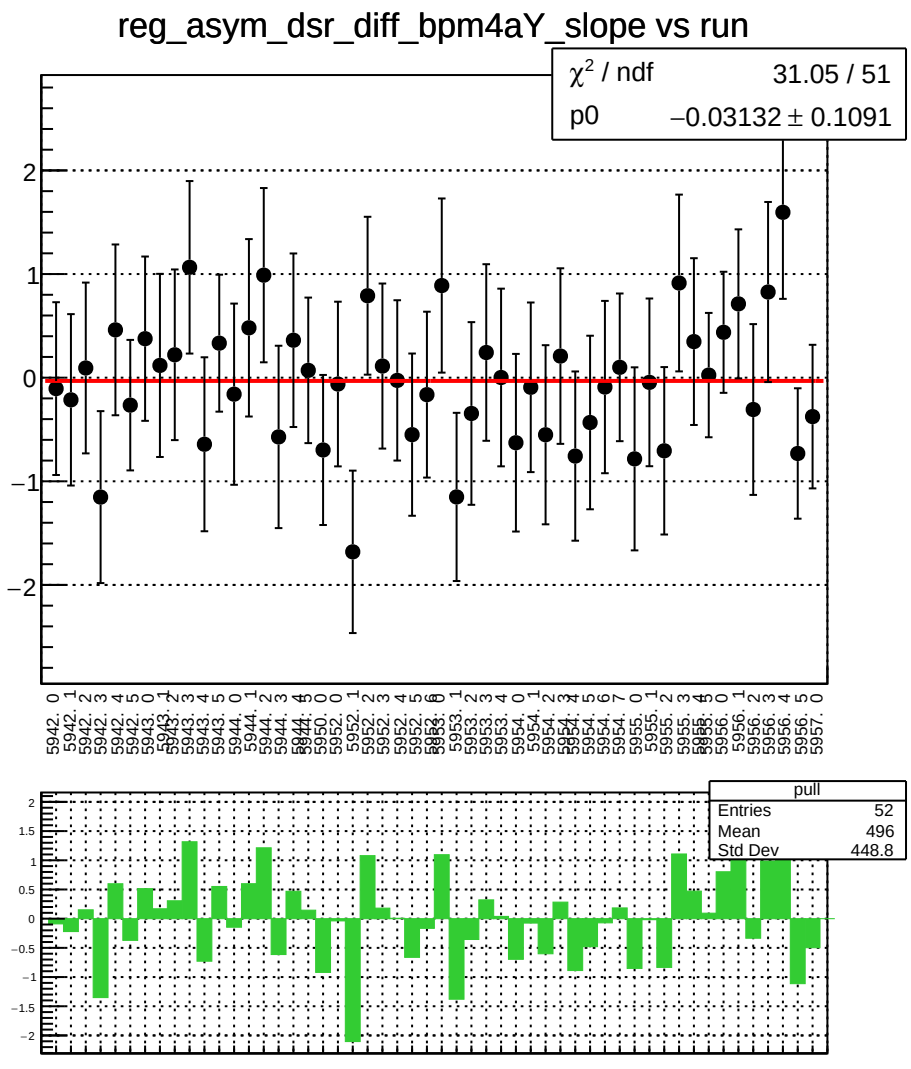

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 53.44 / 51
p0 0.1401± 0.09977
pull
Entries 52
Mean 7.222
Std Dev 51.66

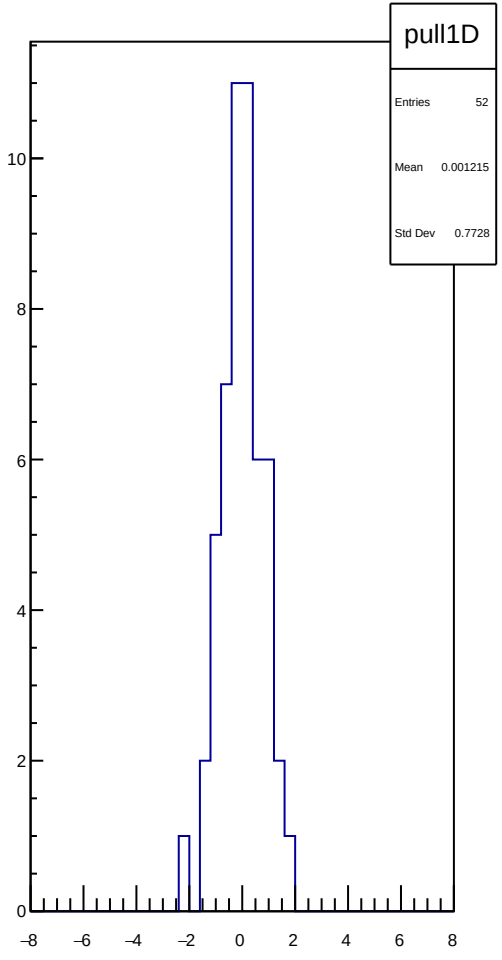

pull1D
Entries 52
Mean 0.02044
Std Dev 1.014

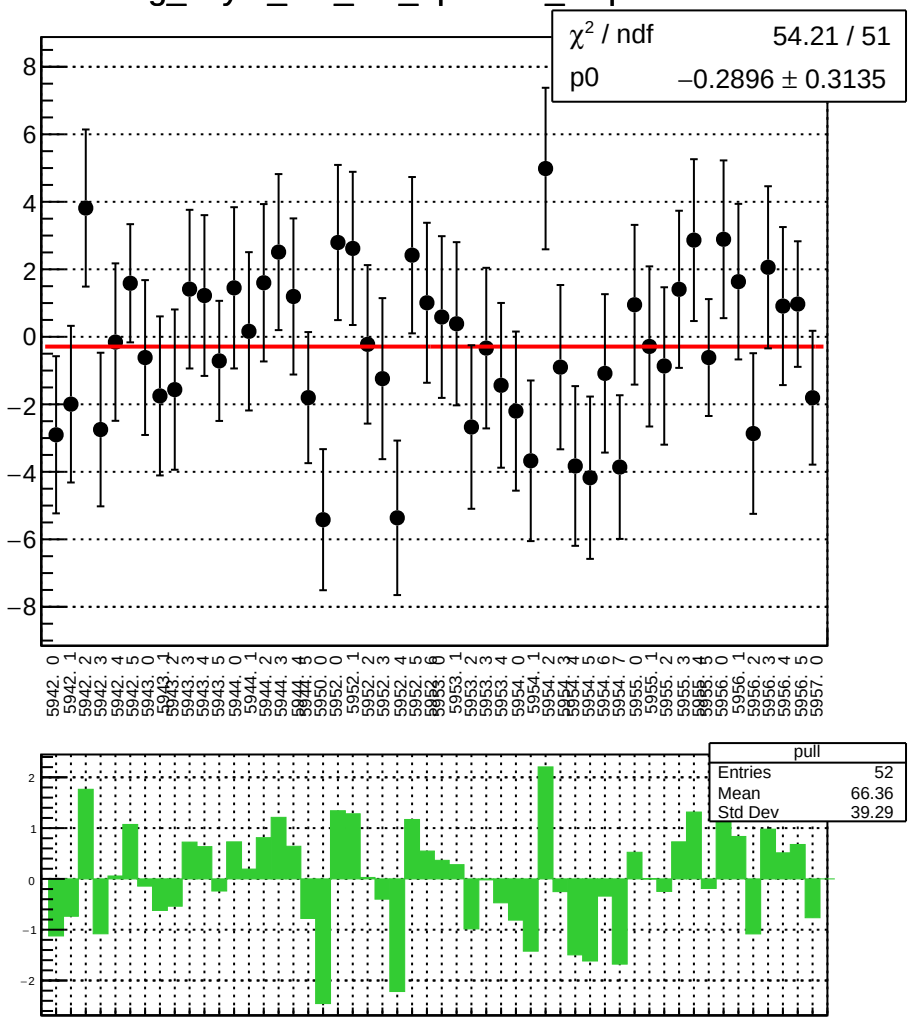

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 50.29 / 51
p0 −0.005105 ± 0.00913
pull
Entries 52
Mean −399.1
Std Dev 429.1

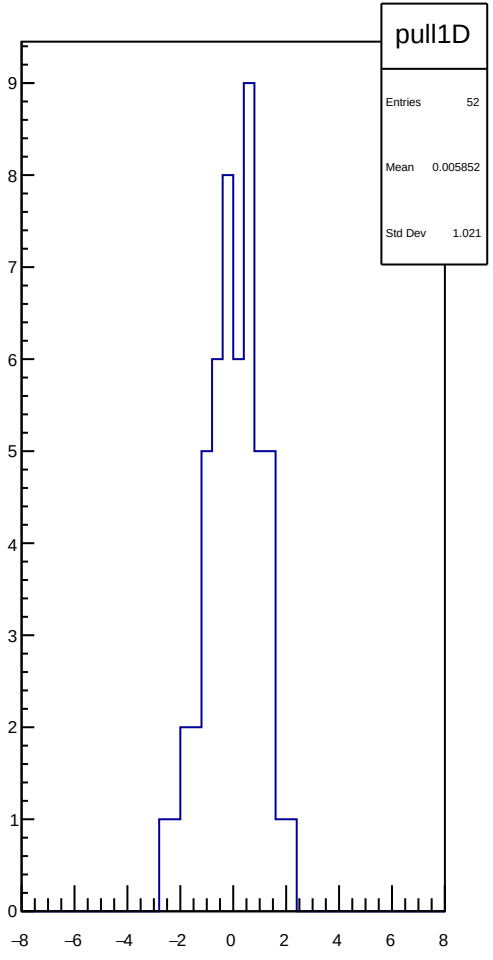

pull1D
Entries 52
Mean 0.009344
Std Dev 0.9834

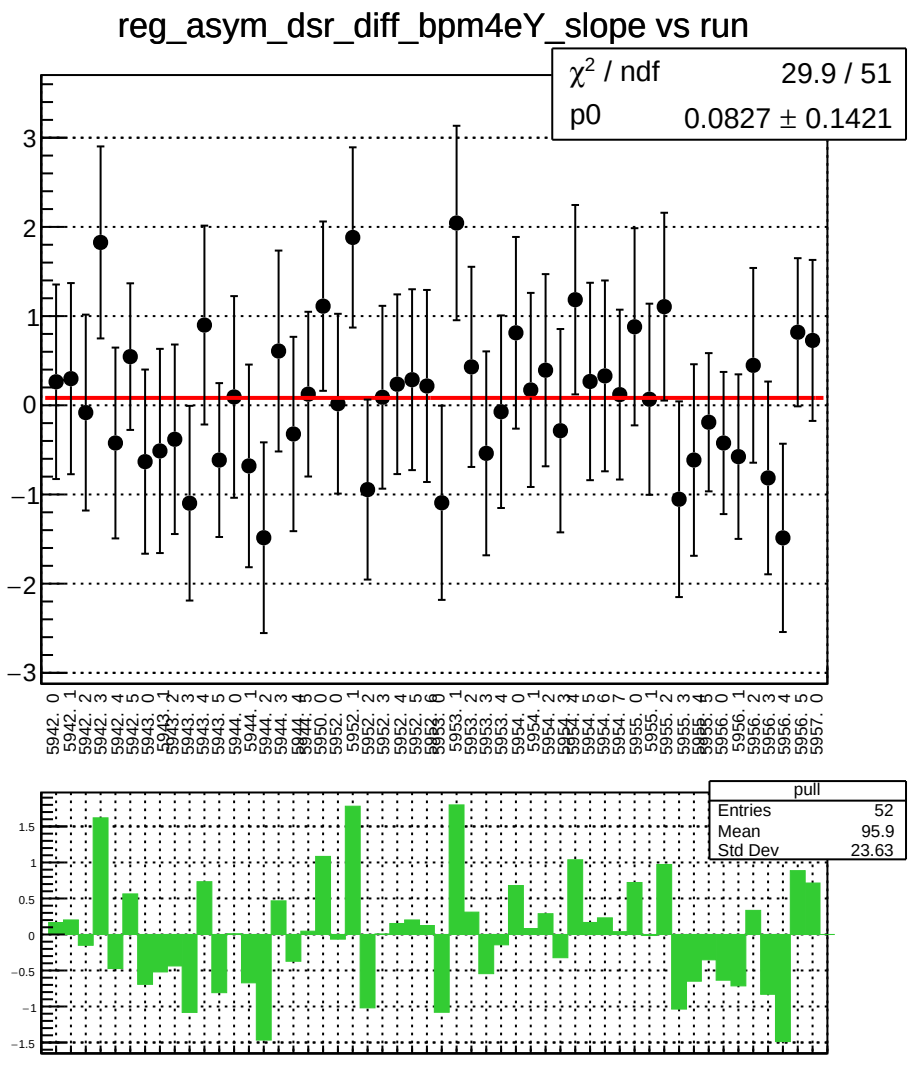

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 53.03 / 51
p0 0.2148 ± 0.2954
pull
Entries 52
Mean 40.25
Std Dev 50.42
pull1D
Entries 52
Mean −0.00651
Std Dev 1.01

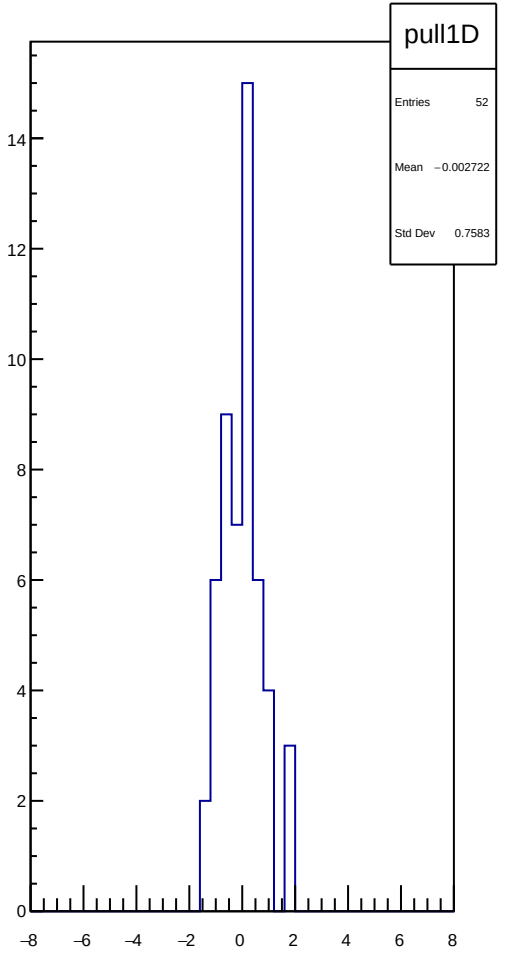

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 31.05 / 51
p0 −0.03132 ± 0.1091
pull
Entries 52
Mean 496
Std Dev 448.8

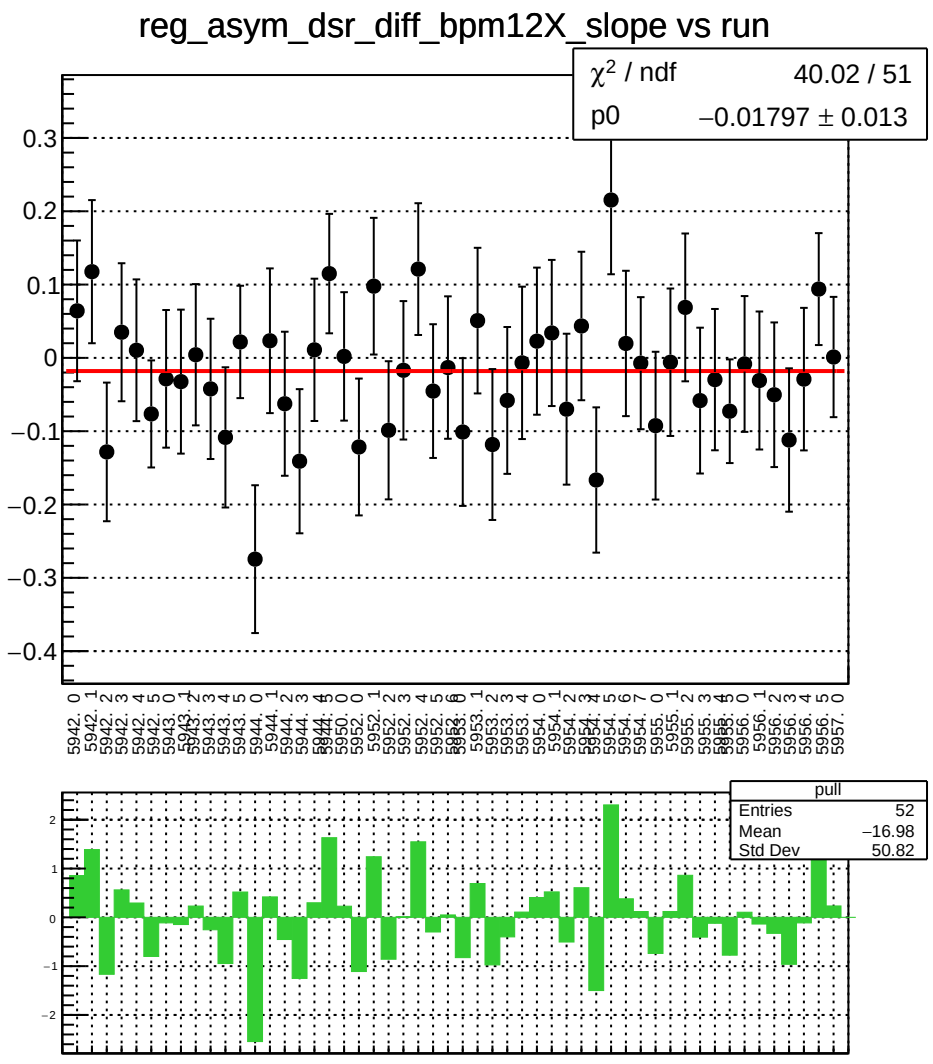

pull1D
Entries 52
Mean 0.001215
Std Dev 0.7728

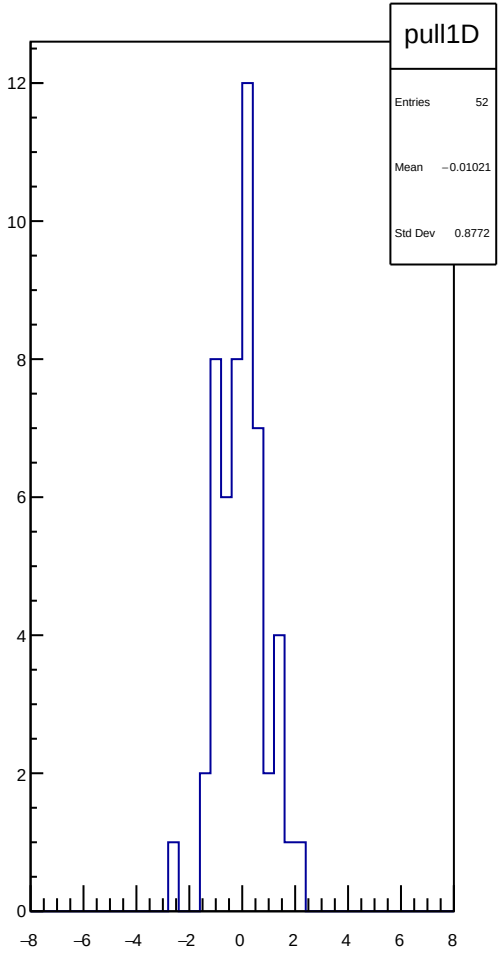

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 54.21 / 51
p0 −0.2896 ± 0.3135
pull
Entries 52
Mean 66.36
Std Dev 39.29

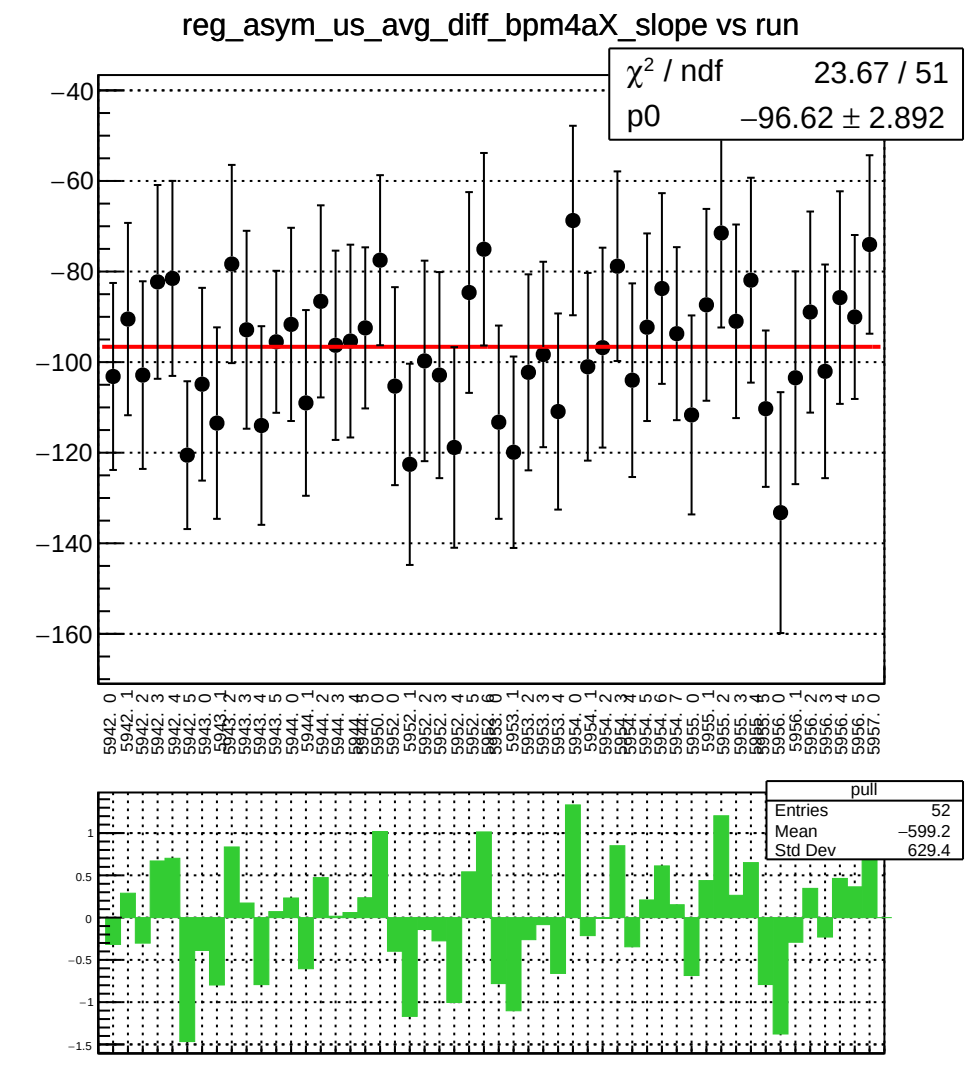

pull1D
Entries 52
Mean 0.005852
Std Dev 1.021

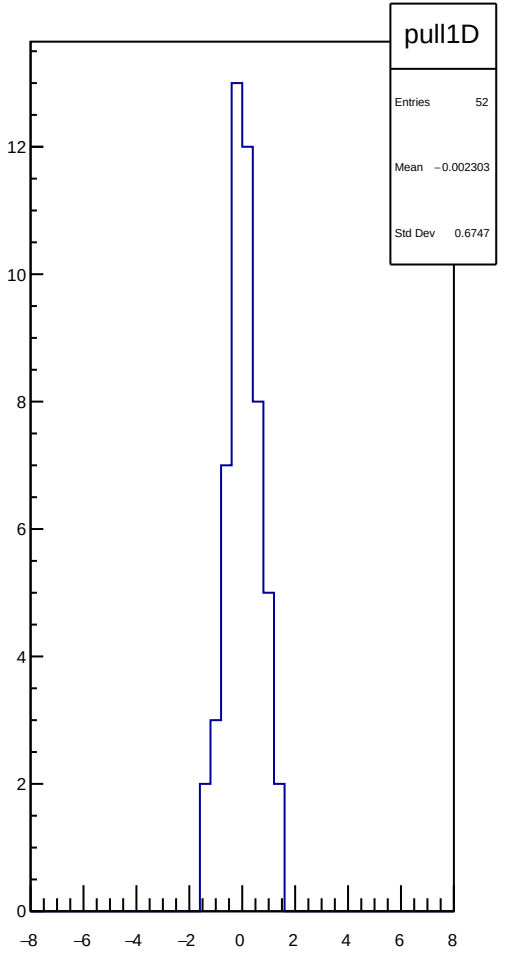

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 29.9 / 51
p0 0.0827 ± 0.1421
pull
Entries 52
Mean 95.9
Std Dev 23.63

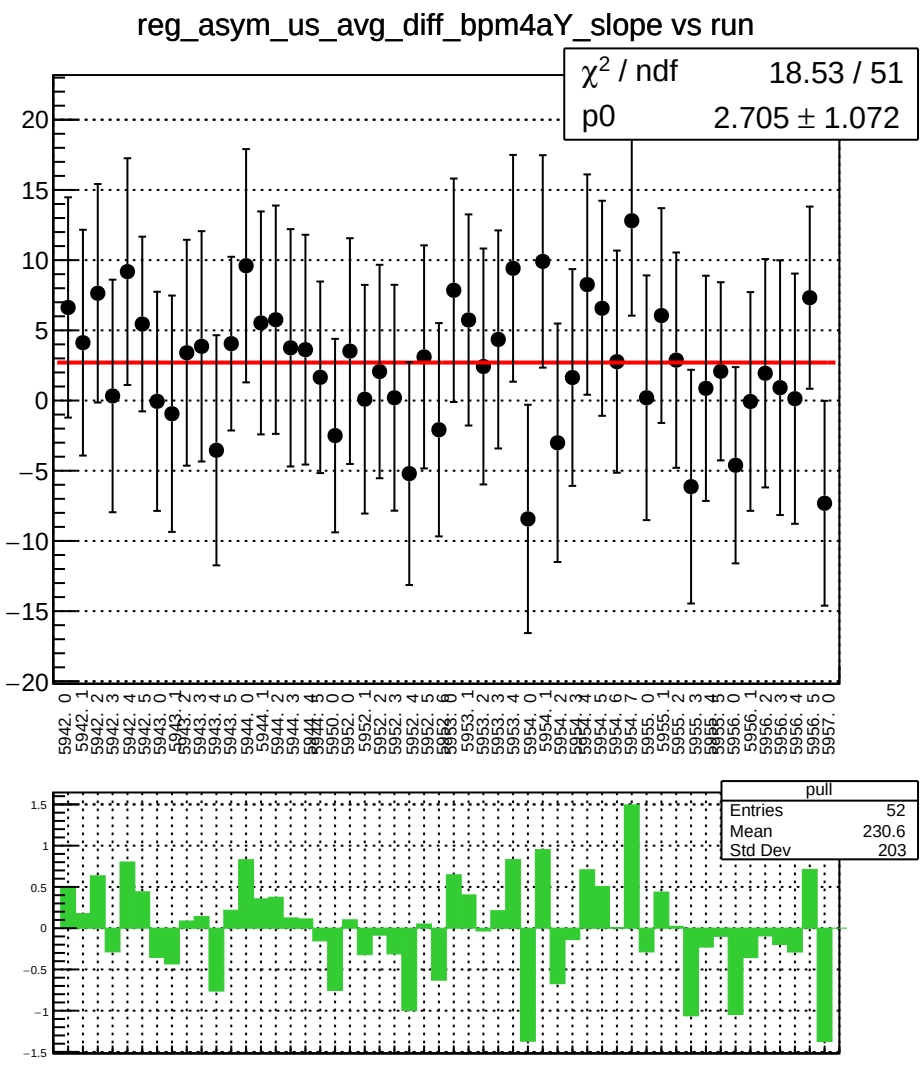

pull1D
Entries 52
Mean −0.002722
Std Dev 0.7583

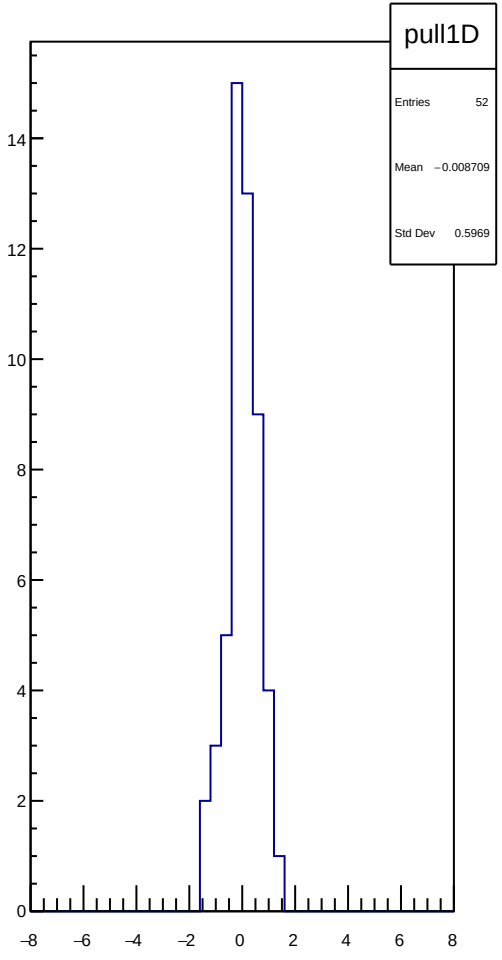

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 40.02 / 51
p0 −0.01797 ± 0.013
pull
Entries 52
Mean −16.98
Std Dev 50.82

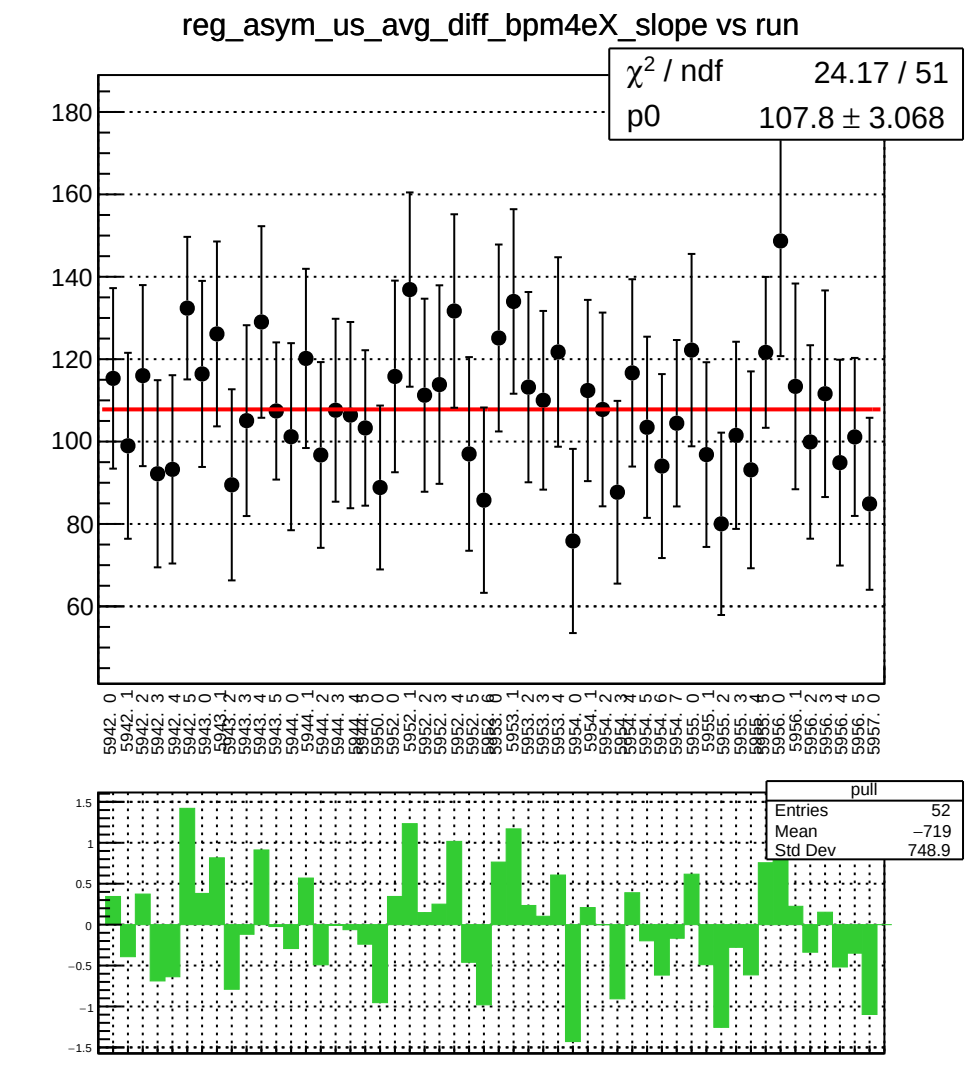

pull1D
Entries 52
Mean −0.01021
Std Dev 0.8772

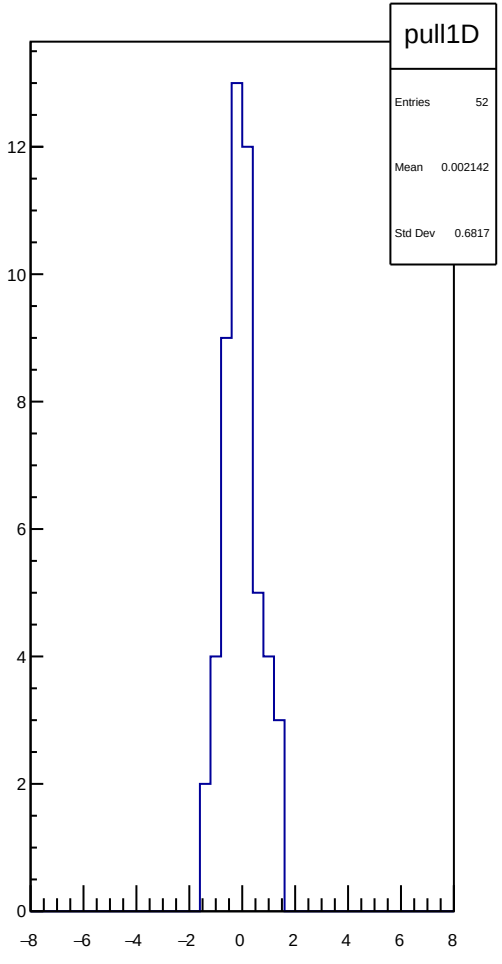

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.67 / 51
p0 −96.62 ± 2.892
pull
Entries 52
Mean −599.2
Std Dev 629.4

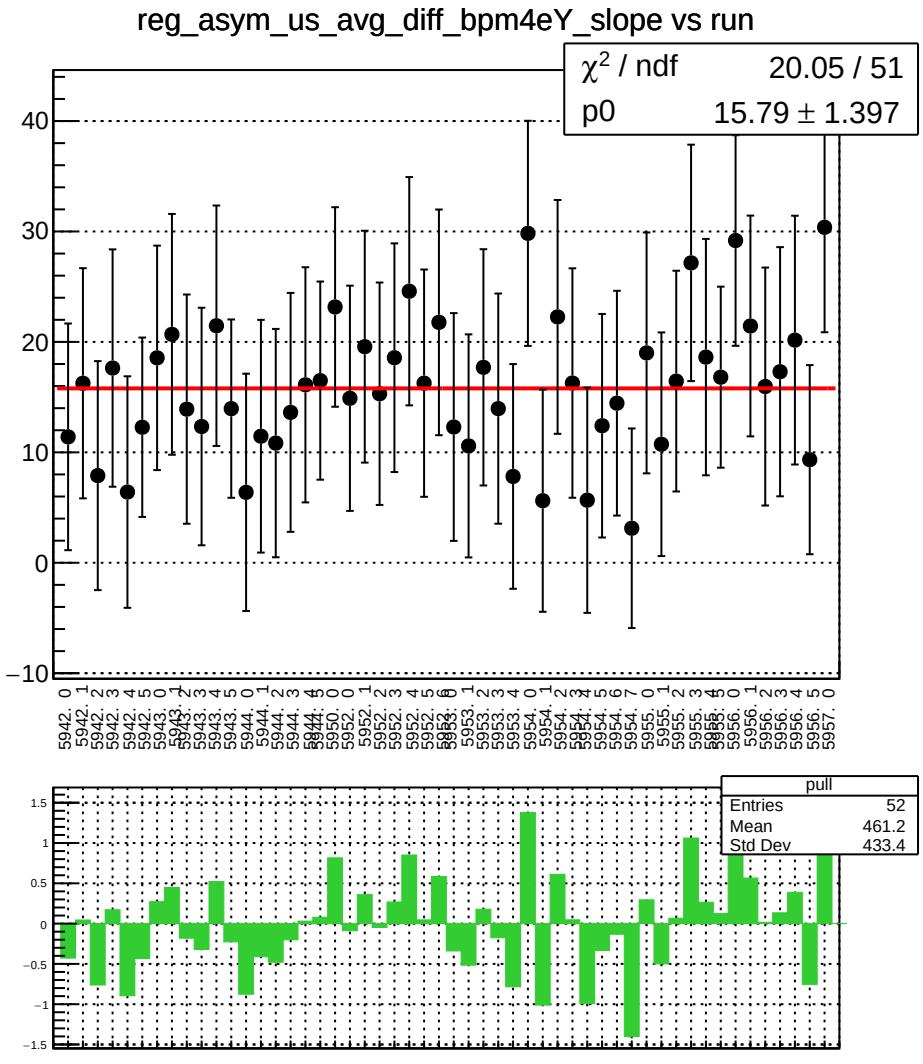

pull1D
Entries 52
Mean −0.002303
Std Dev 0.6747

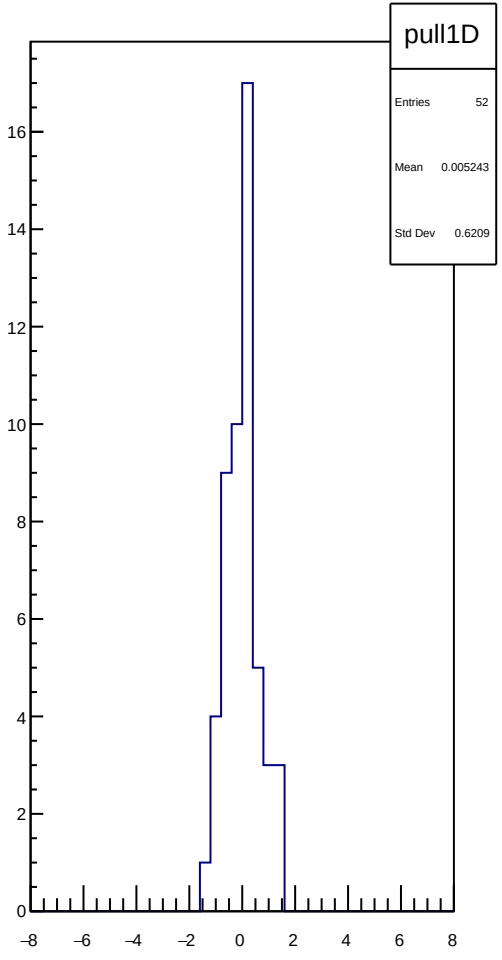

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.53 / 51
p0 2.705 ± 1.072
pull
Entries 52
Mean 230.6
Std Dev 203

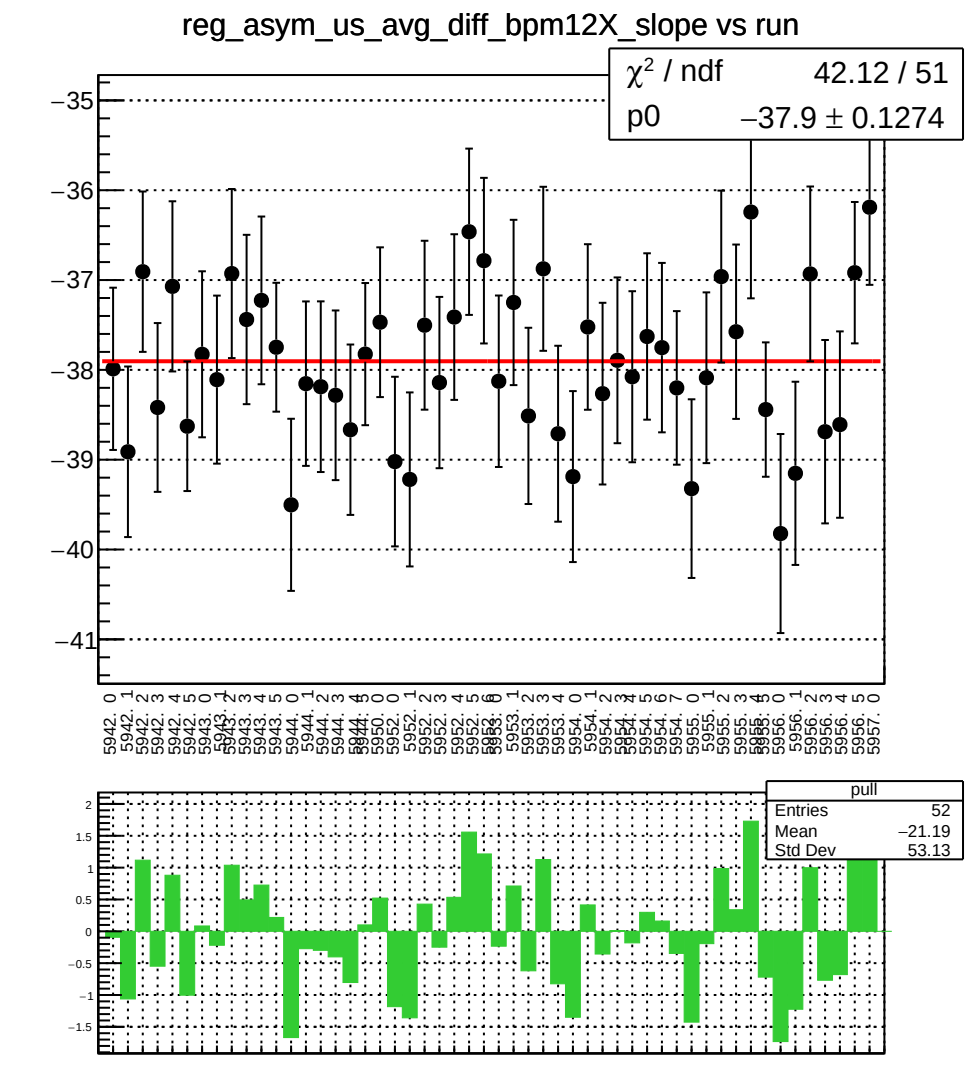

pull1D
Entries 52
Mean −0.008709
Std Dev 0.5969

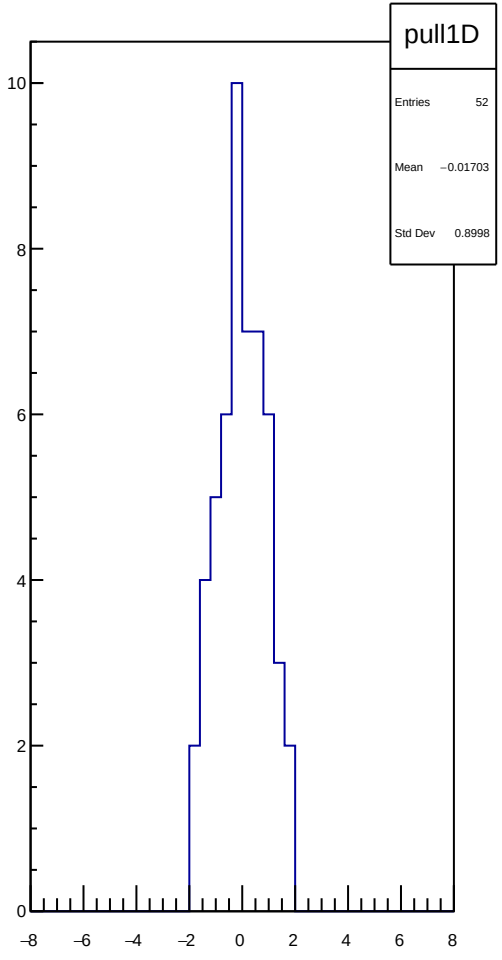

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.17 / 51
p0 107.8 ± 3.068
pull
Entries 52
Mean −719
Std Dev 748.9

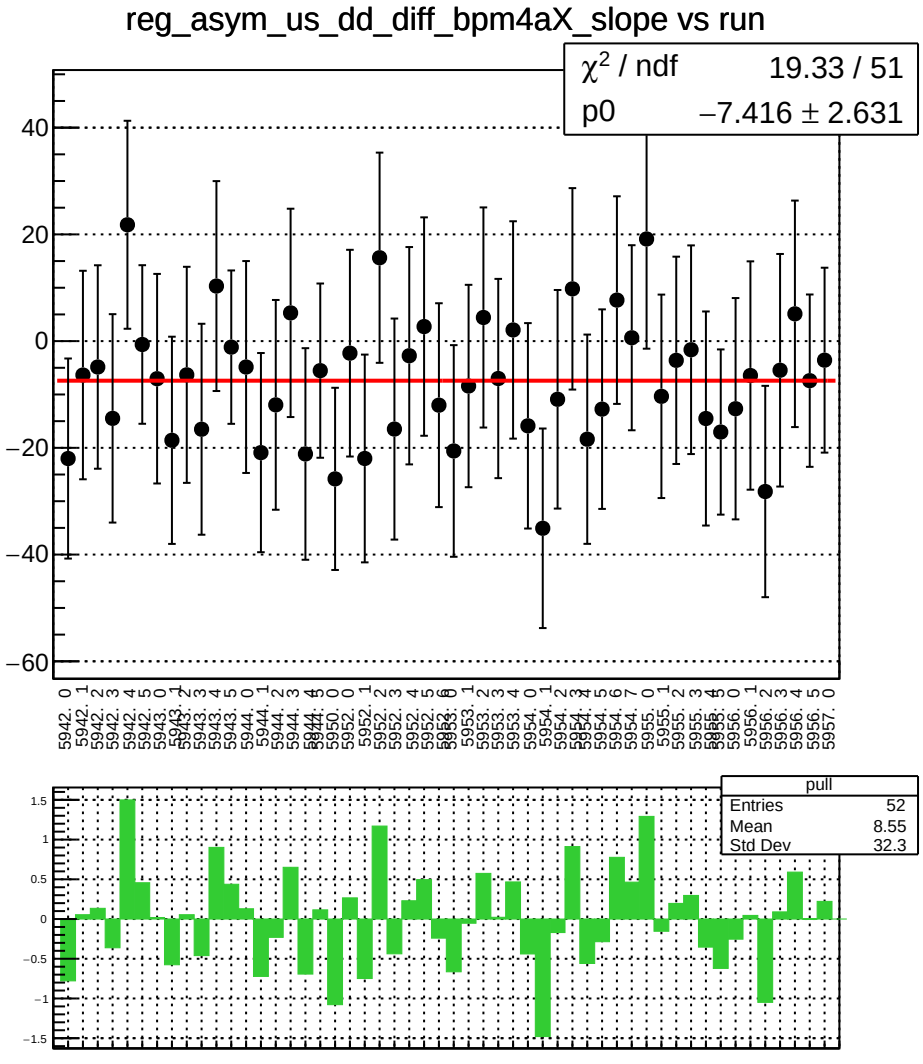

pull1D
Entries 52
Mean 0.002142
Std Dev 0.6817

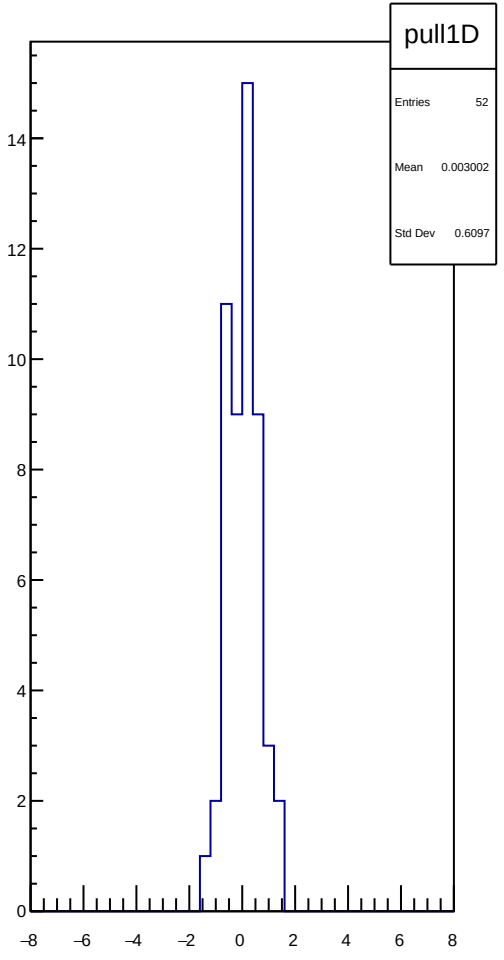

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.05 / 51
p0 15.79 ± 1.397
pull
Entries 52
Mean 461.2
Std Dev 433.4

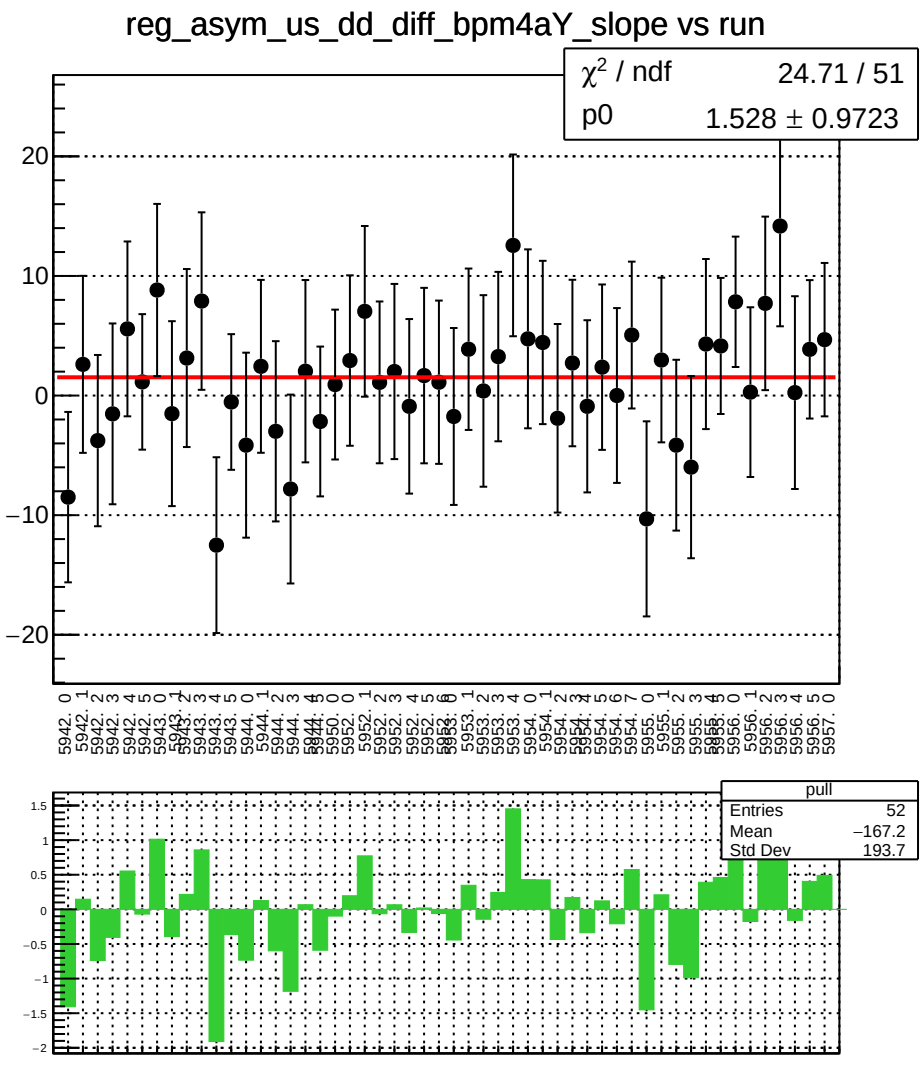

pull1D
Entries 52
Mean 0.005243
Std Dev 0.6209

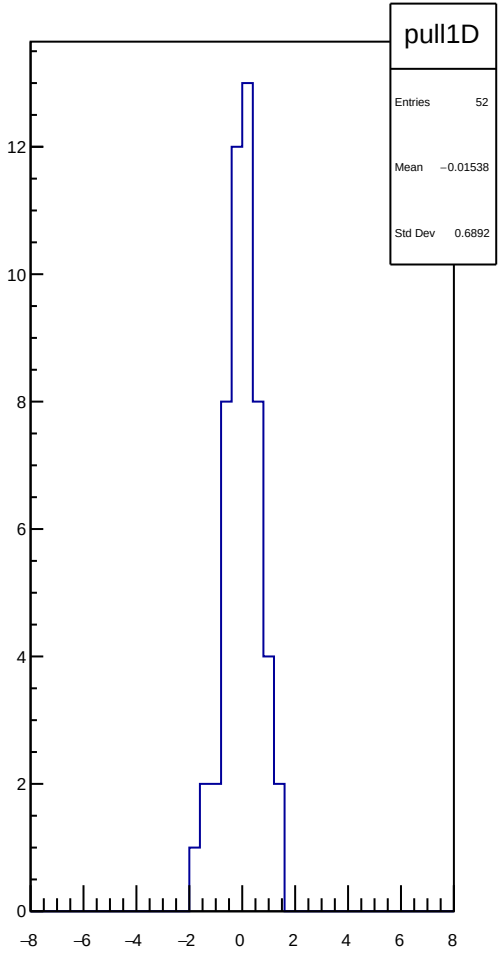

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 42.12 / 51
p0 −37.9 ± 0.1274
pull
Entries 52
Mean −21.19
Std Dev 53.13

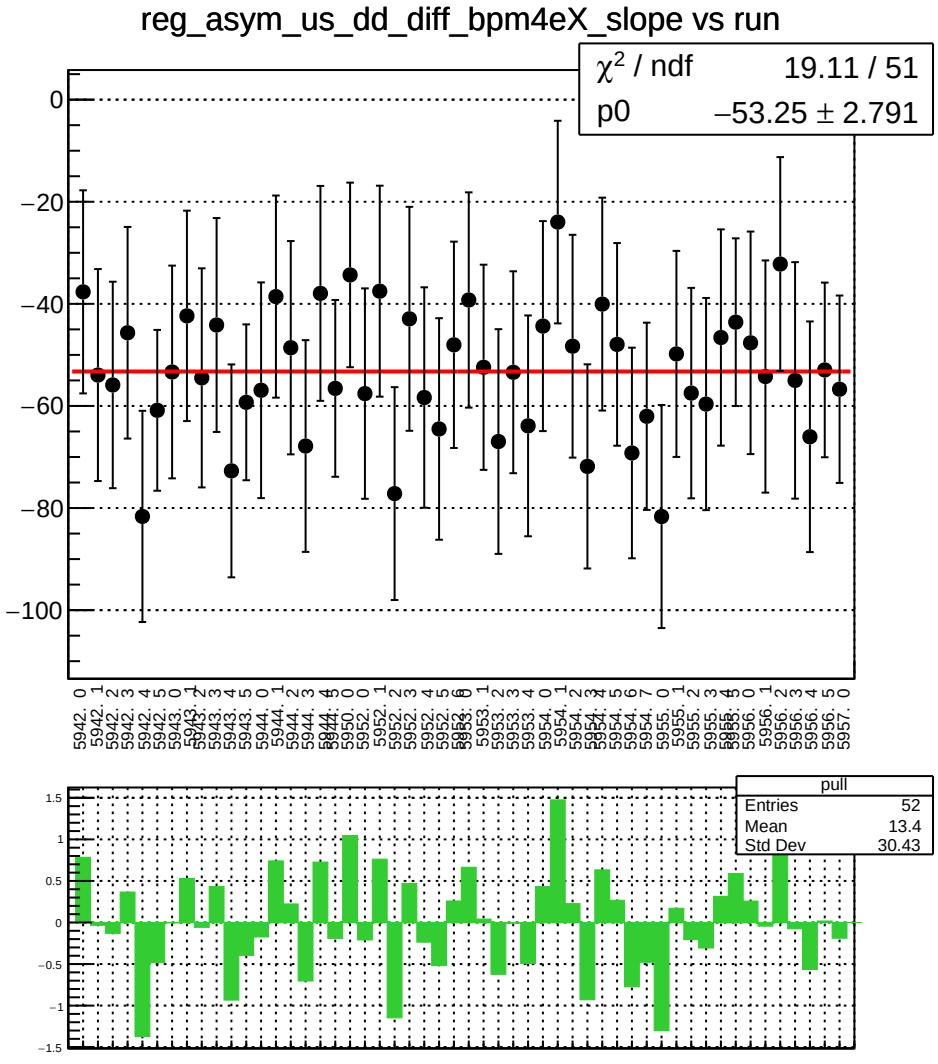

pull1D
Entries 52
Mean −0.01703
Std Dev 0.8998

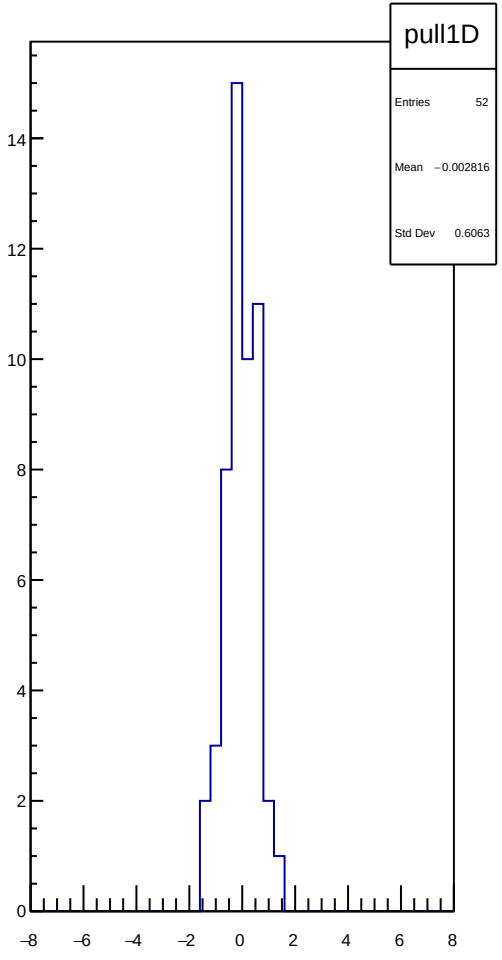

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 19.33 / 51
p0 −7.416 ± 2.631
pull
Entries 52
Mean 8.55
Std Dev 32.3

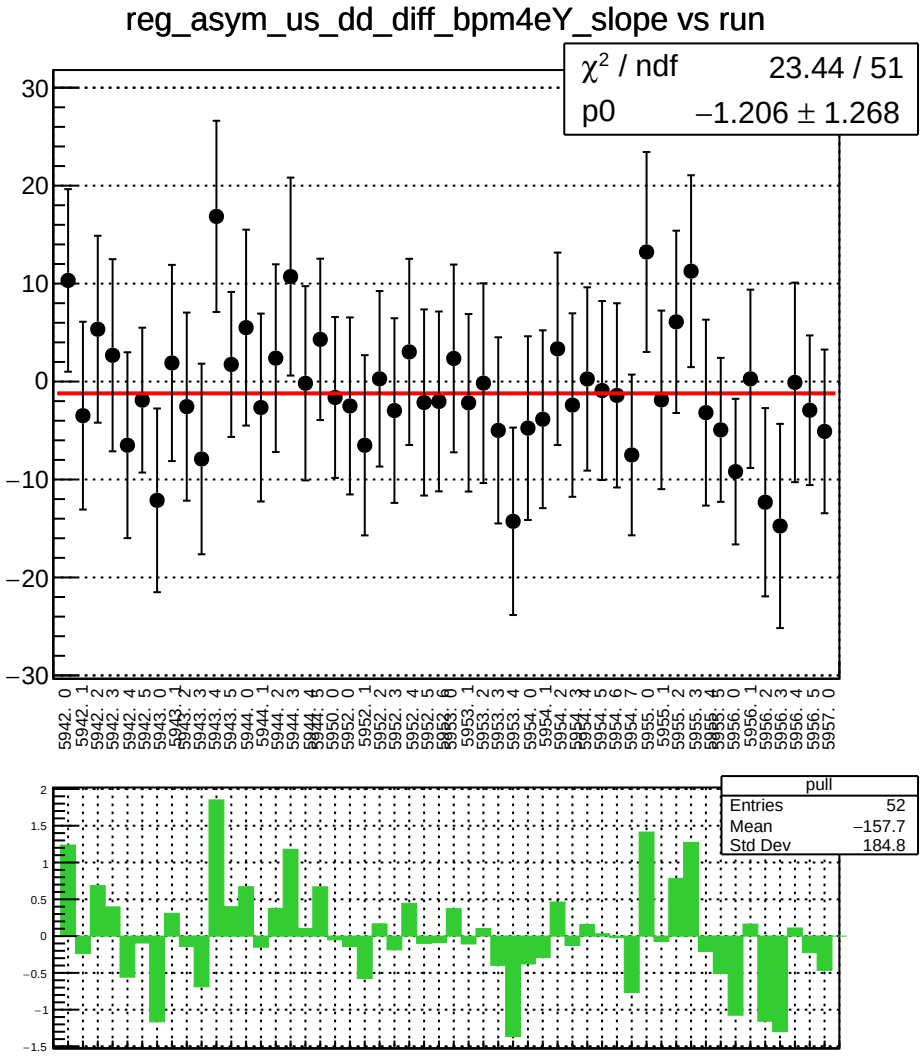

pull1D
Entries 52
Mean 0.003002
Std Dev 0.6097

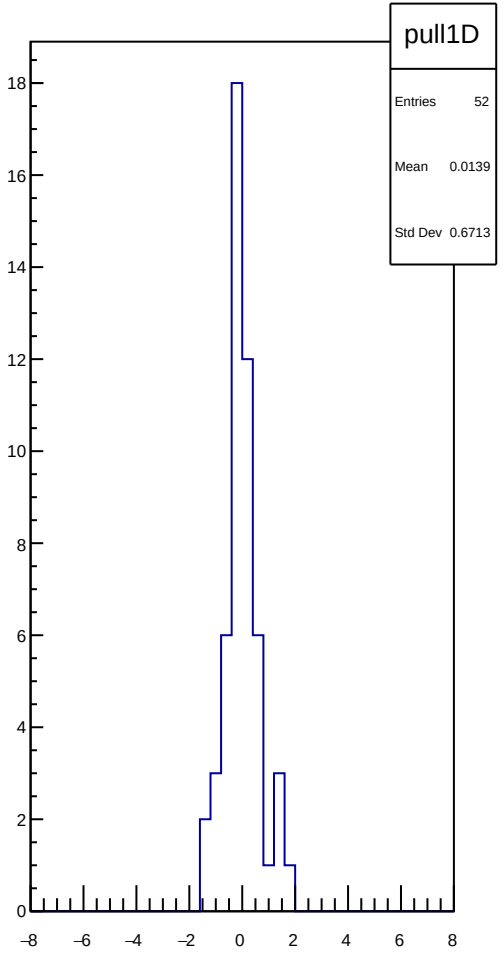

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.71 / 51
p0 1.528 ± 0.9723
pull
Entries 52
Mean −167.2
Std Dev 193.7

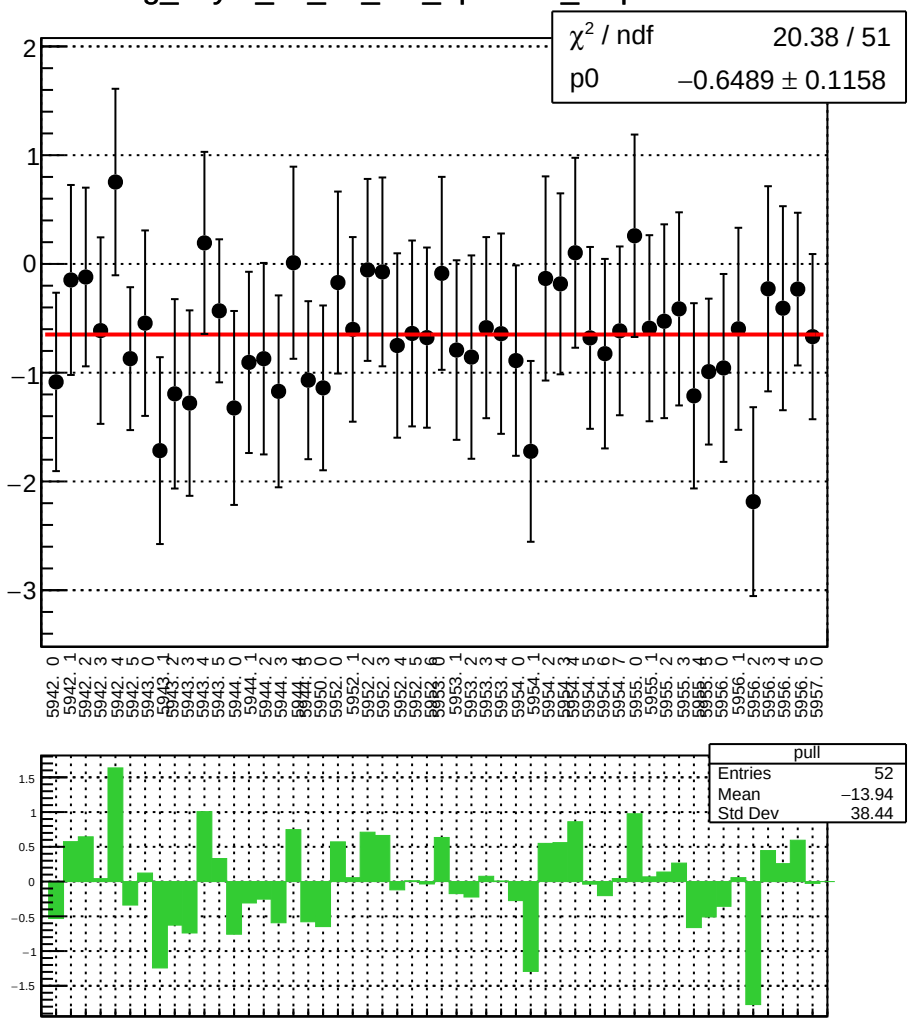

pull1D
Entries 52
Mean −0.01538
Std Dev 0.6892

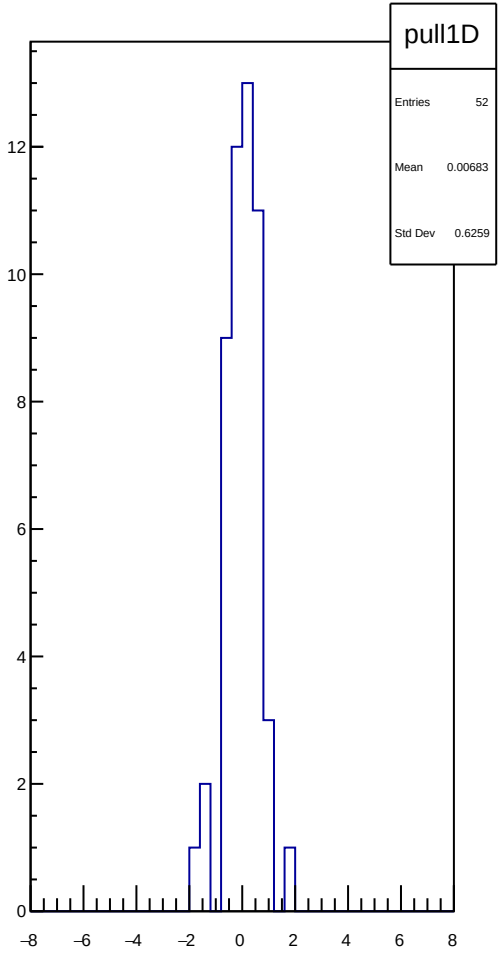

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.11 / 51
p0 −53.25 ± 2.791
pull
Entries 52
Mean 13.4
Std Dev 30.43

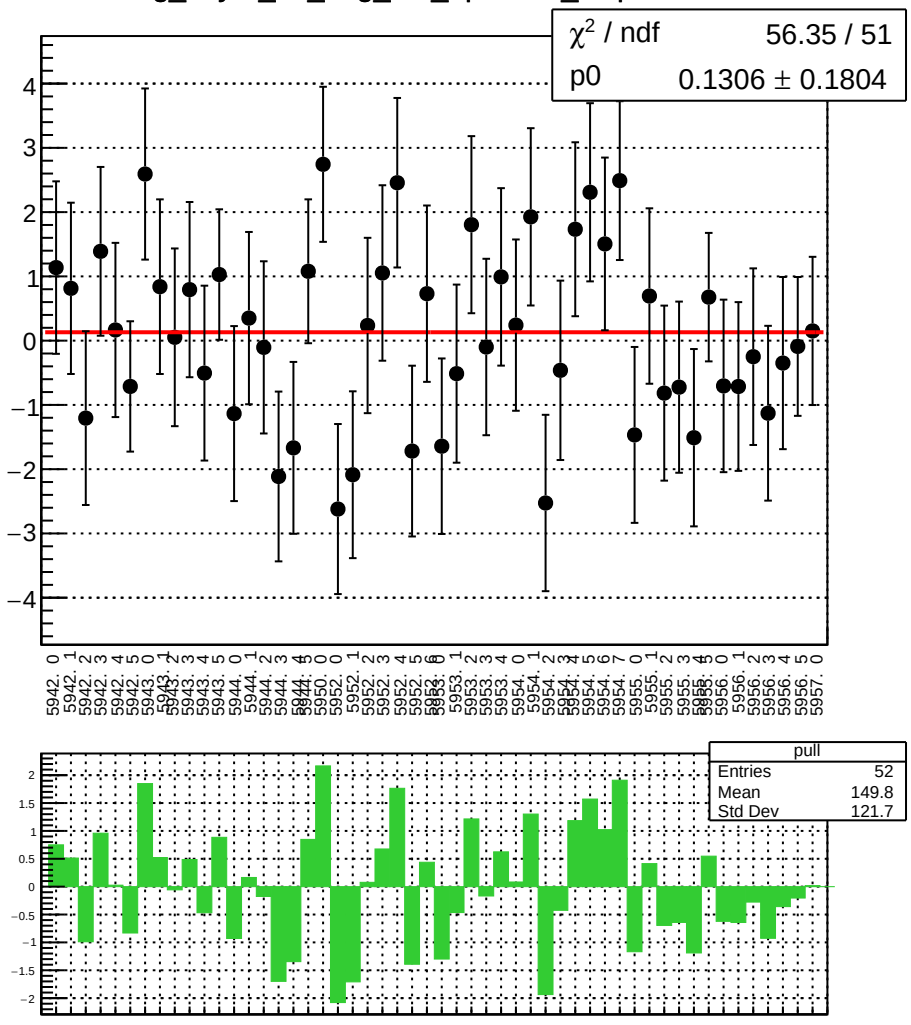

pull1D
Entries 52
Mean −0.002816
Std Dev 0.6063

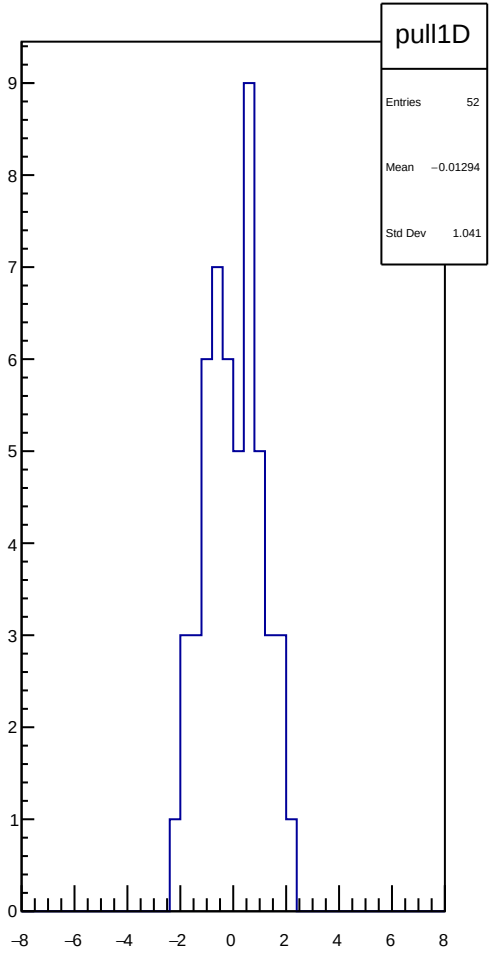

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.44 / 51
p0 −1.206 ± 1.268
pull
Entries 52
Mean −157.7
Std Dev 184.8

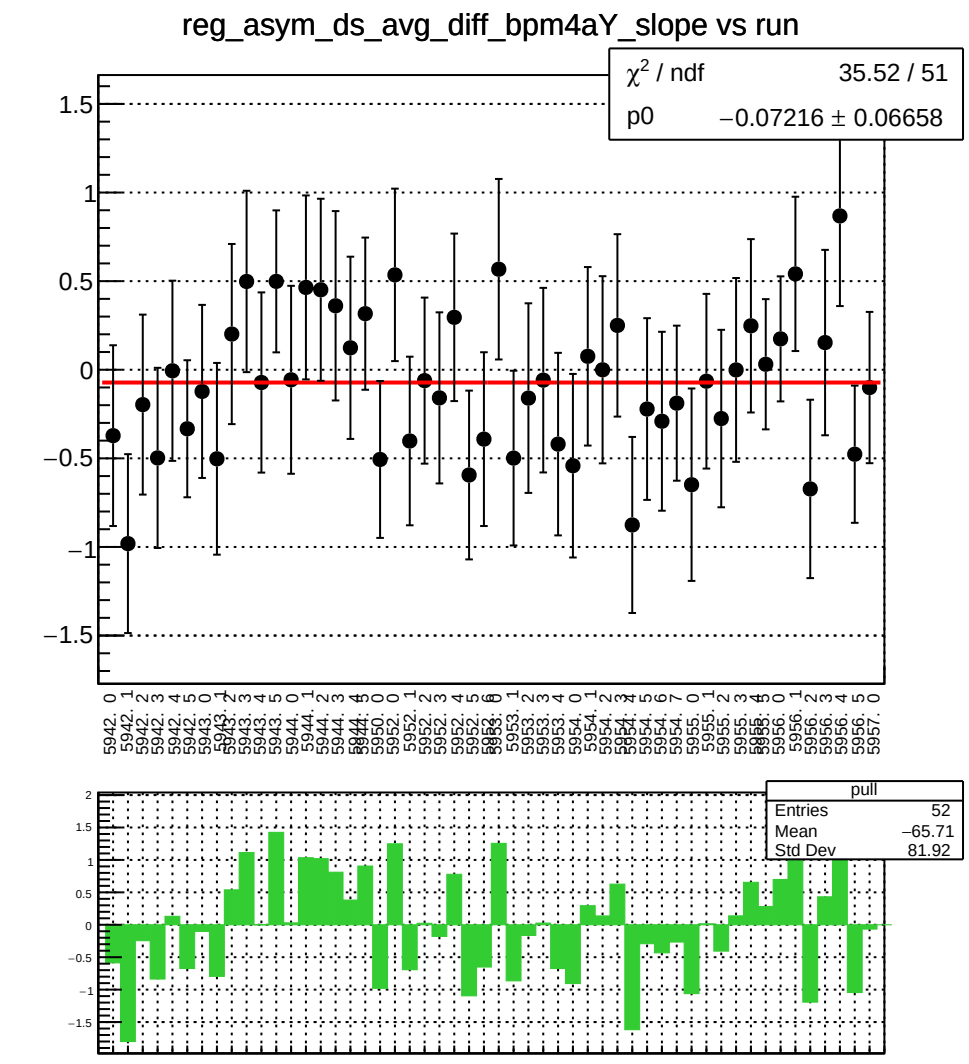

pull1D
Entries 52
Mean 0.0139
Std Dev 0.6713

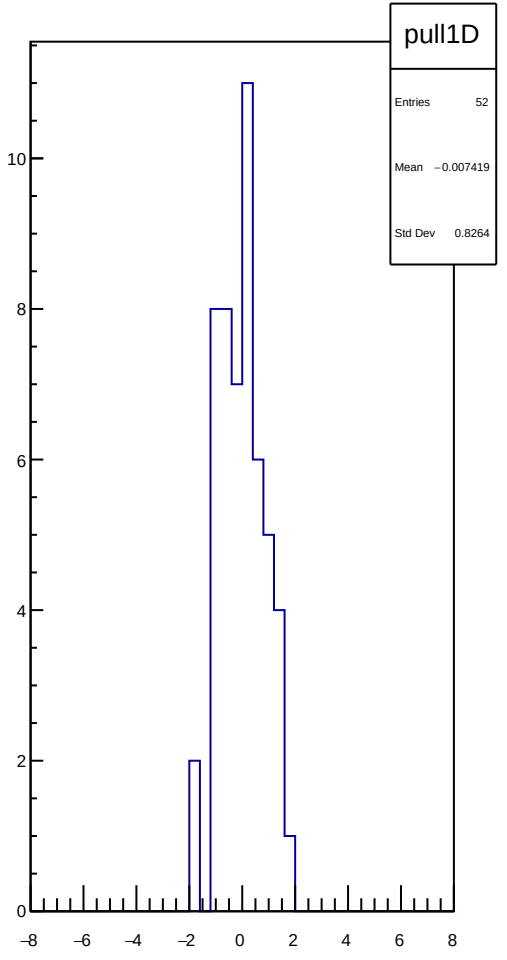

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 20.38 / 51
p0 −0.6489 ± 0.1158
pull
Entries 52
Mean −13.94
Std Dev 38.44

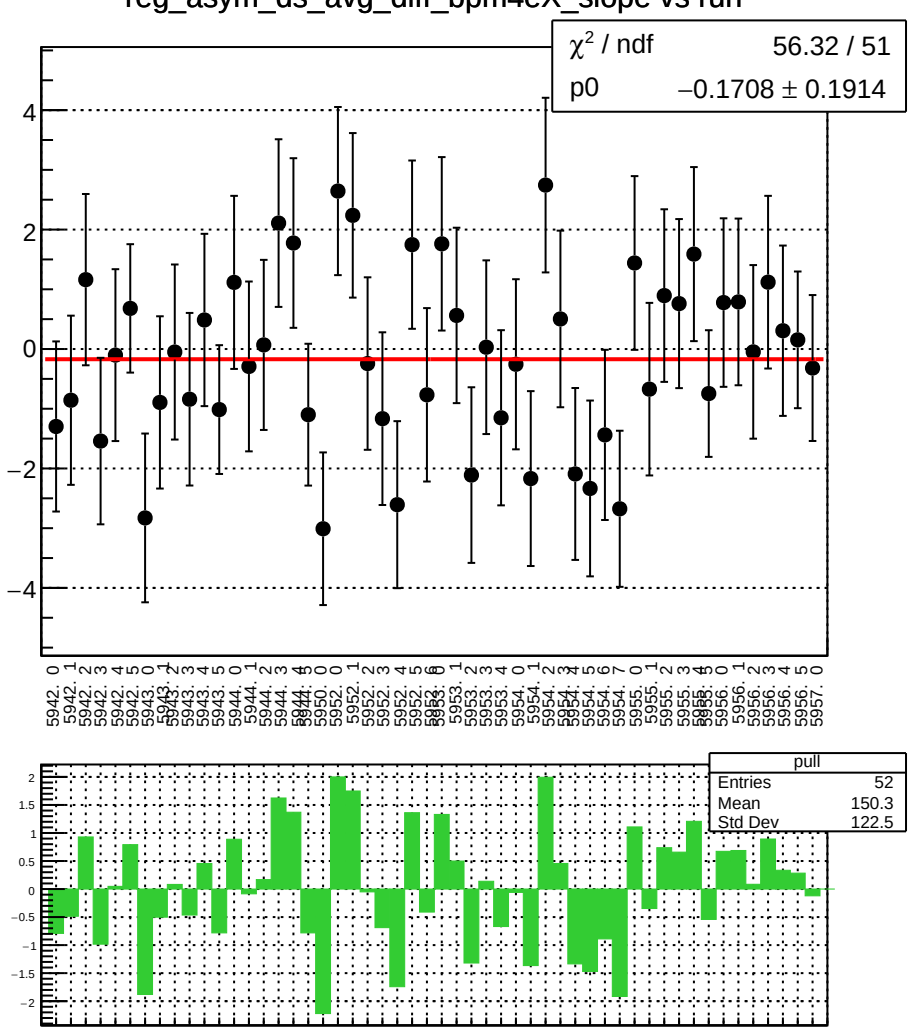

pull1D
Entries 52
Mean 0.00683
Std Dev 0.6259

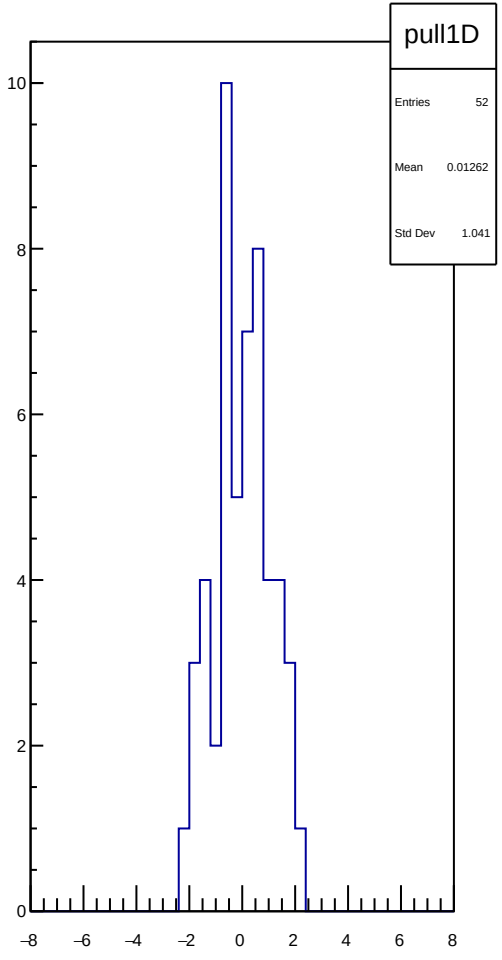

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 56.35 / 51
p0 0.1306 ± 0.1804
pull
Entries 52
Mean 149.8
Std Dev 121.7

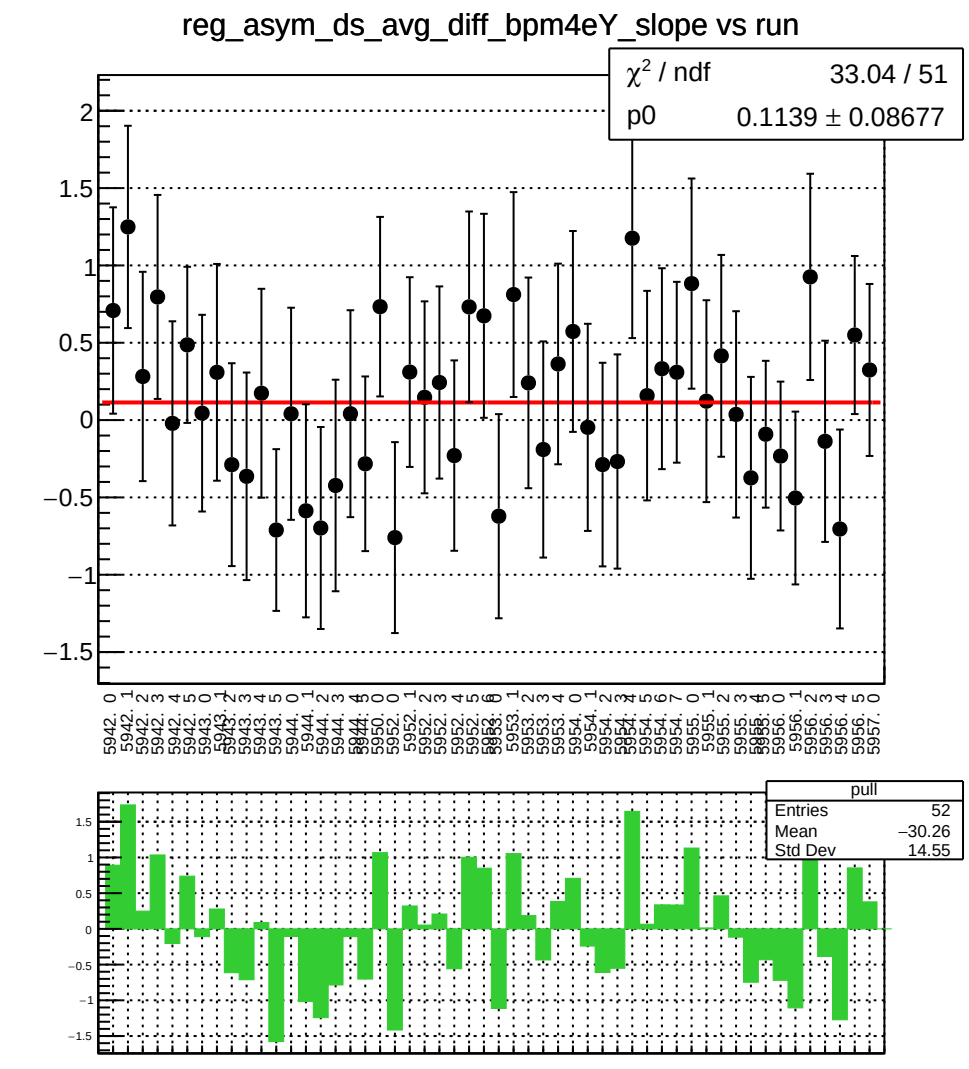

pull1D
Entries 52
Mean −0.01294
Std Dev 1.041

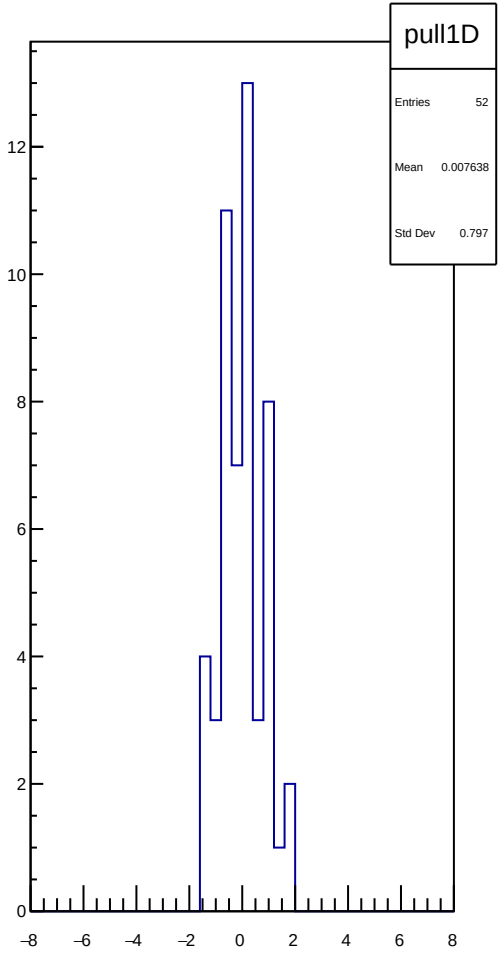

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.52 / 51
p0 −0.07216 ± 0.06658
pull
Entries 52
Mean −65.71
Std Dev 81.92

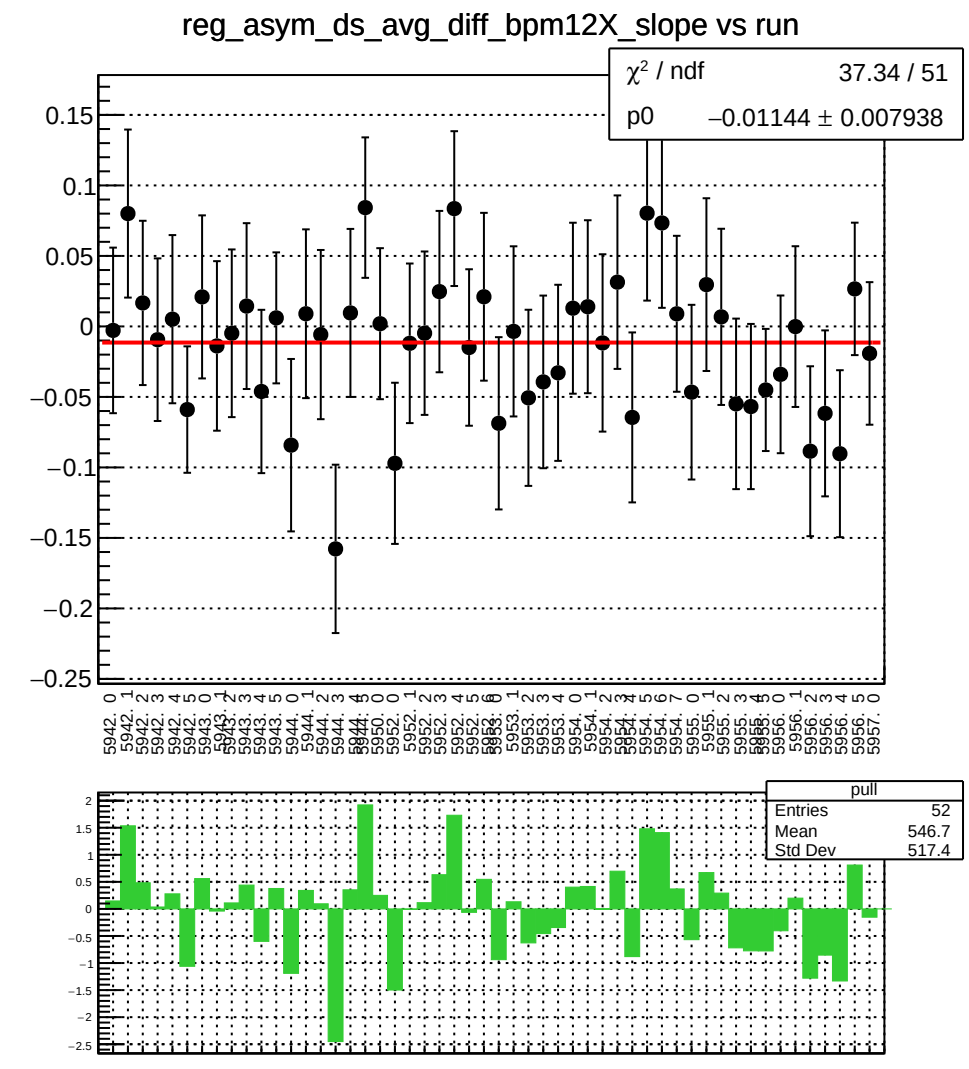

pull1D
Entries 52
Mean −0.007419
Std Dev 0.8264

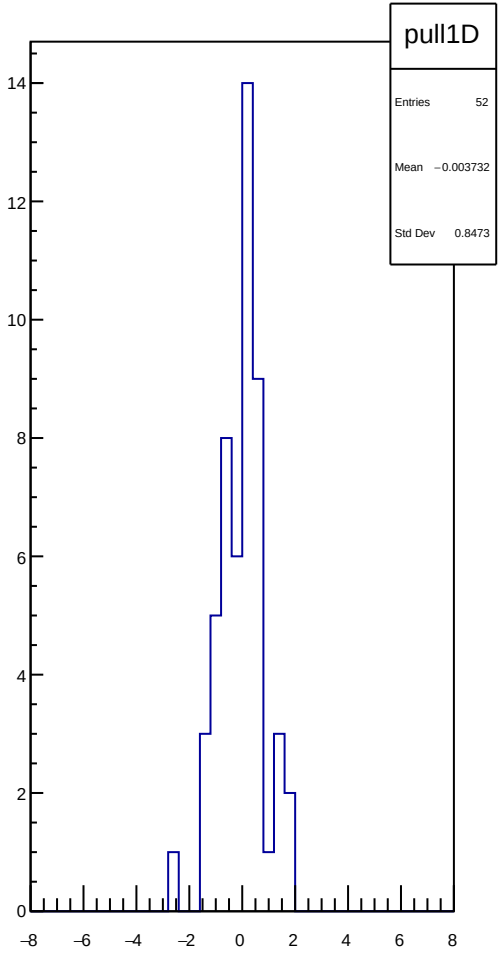

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.32 / 51
p0 −0.1708 ± 0.1914
pull
Entries 52
Mean 150.3
Std Dev 122.5

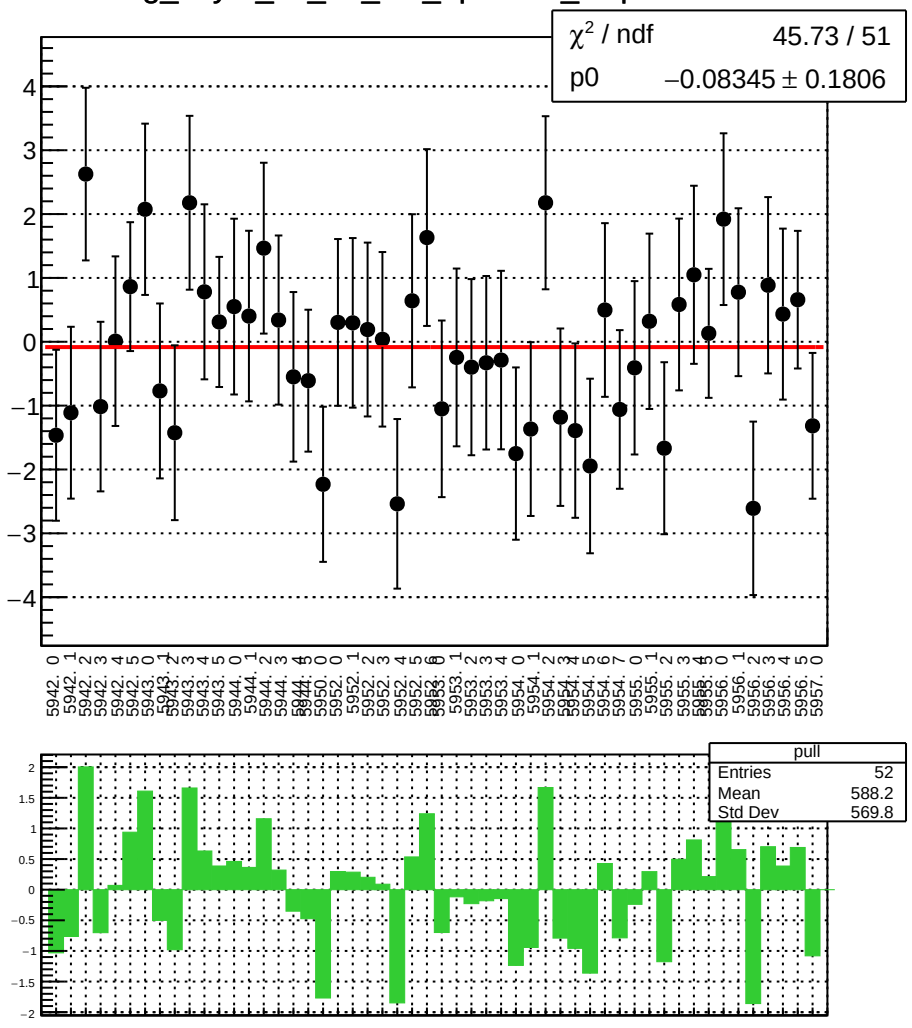

pull1D
Entries 52
Mean 0.01262
Std Dev 1.041

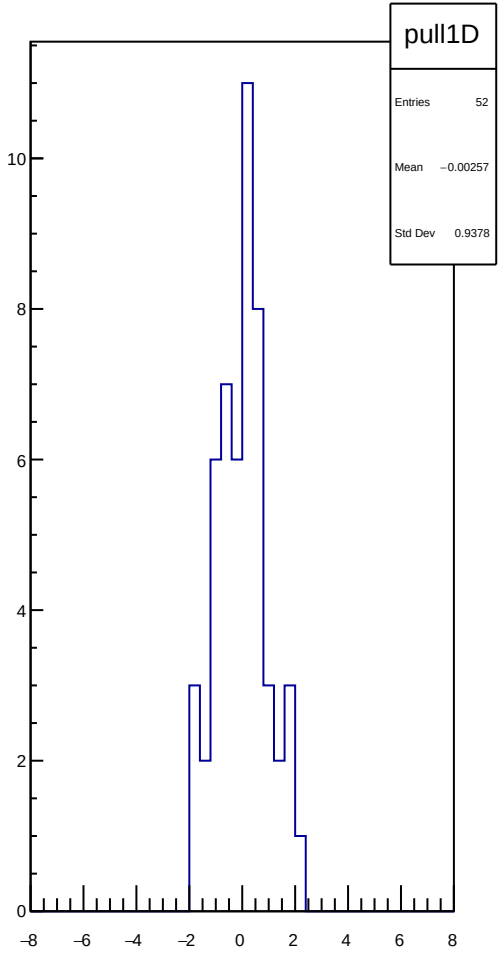

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.04 / 51
p0 0.1139 ± 0.08677
pull
Entries 52
Mean −30.26
Std Dev 14.55

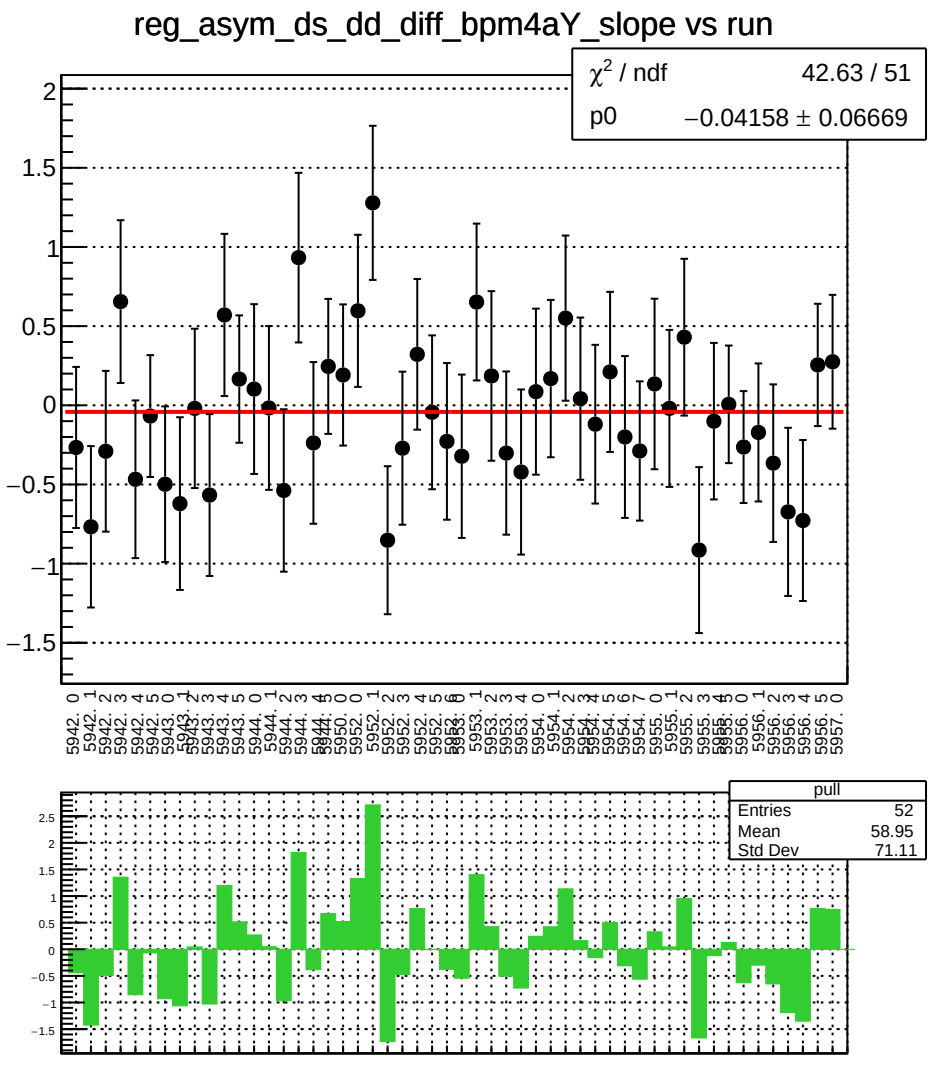

pull1D
Entries 52
Mean 0.007638
Std Dev 0.797

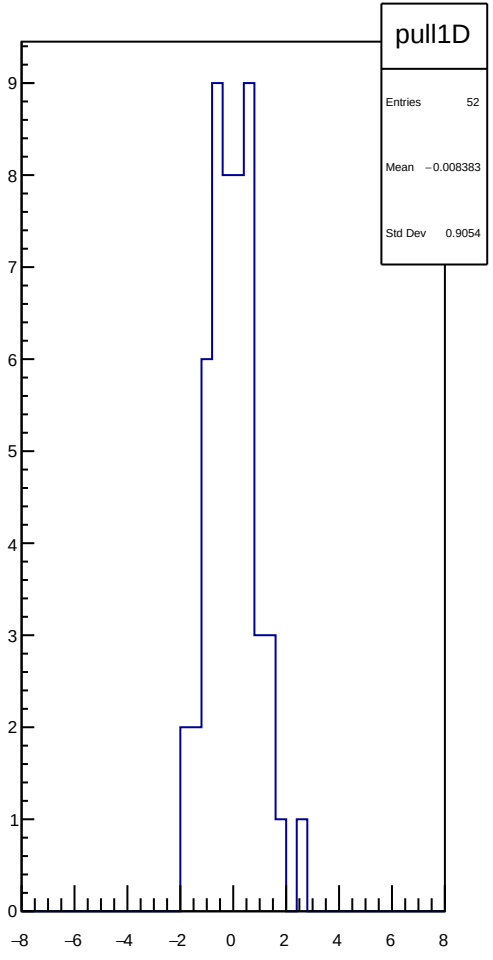

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 37.34 / 51
p0 −0.01144 ± 0.007938
pull
Entries 52
Mean 546.7
Std Dev 517.4

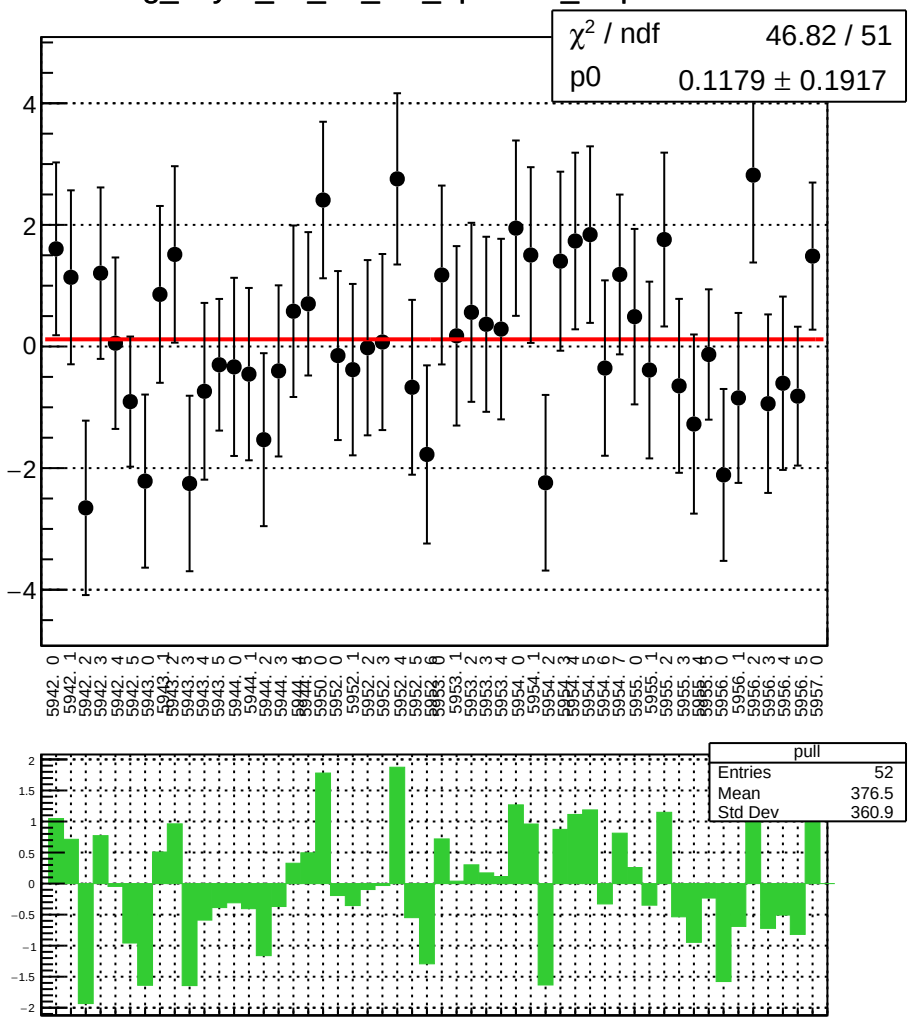

pull1D
Entries 52
Mean −0.003732
Std Dev 0.8473

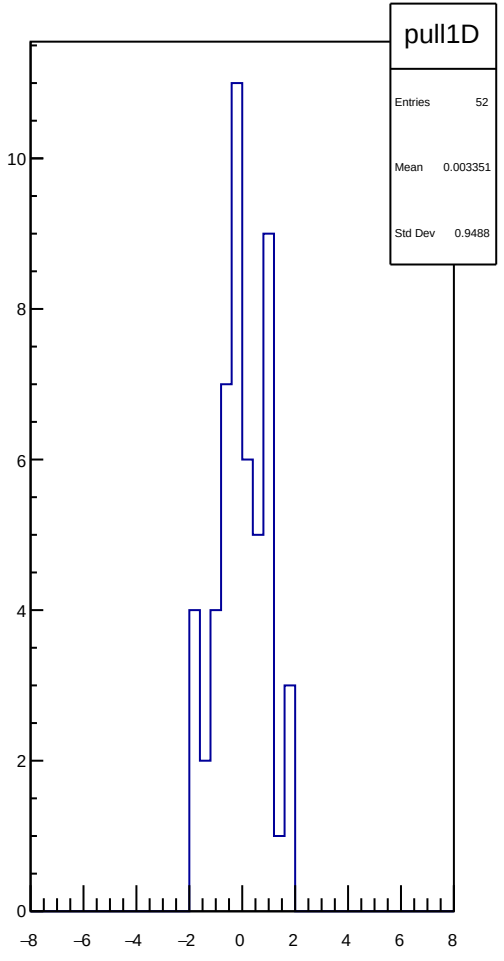

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 45.73 / 51
p0 −0.08345 ± 0.1806
pull
Entries 52
Mean 588.2
Std Dev 569.8

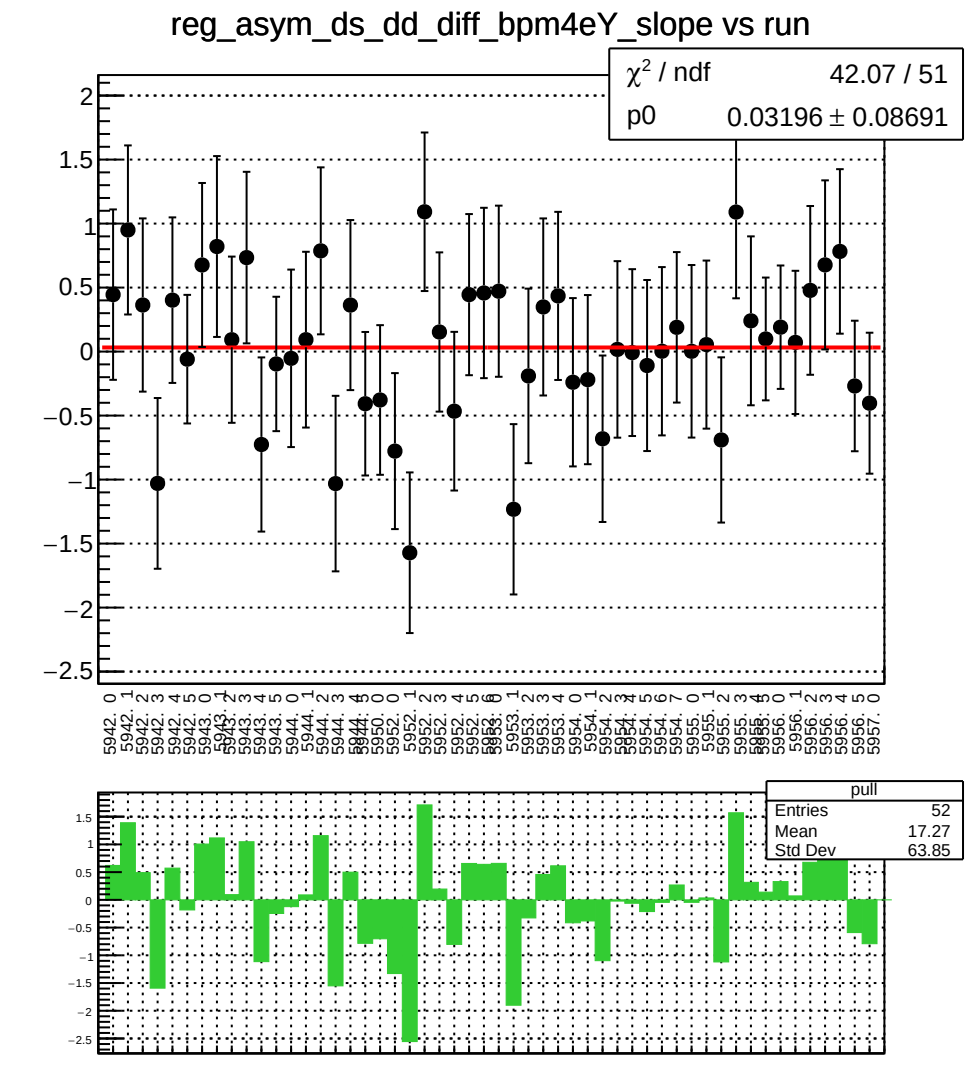

pull1D
Entries 52
Mean −0.00257
Std Dev 0.9378

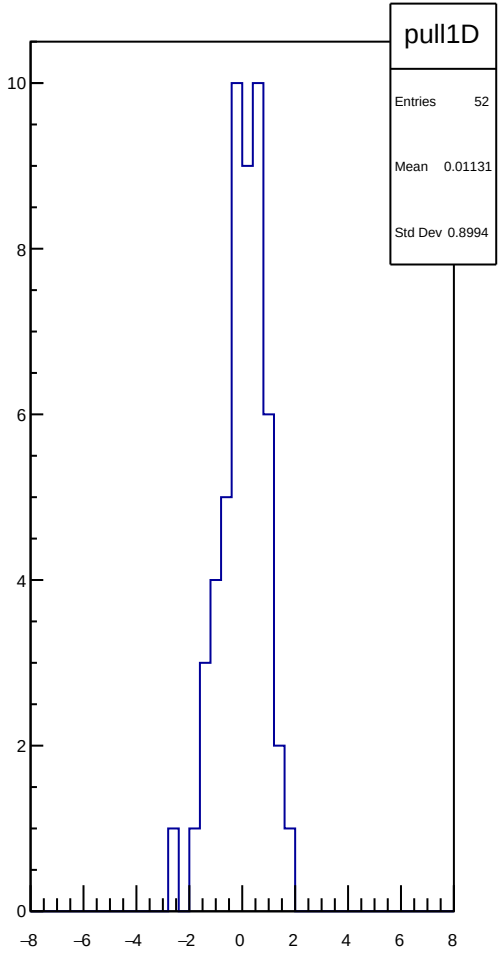

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.63 / 51
p0 −0.04158 ± 0.06669
pull
Entries 52
Mean 58.95
Std Dev 71.11

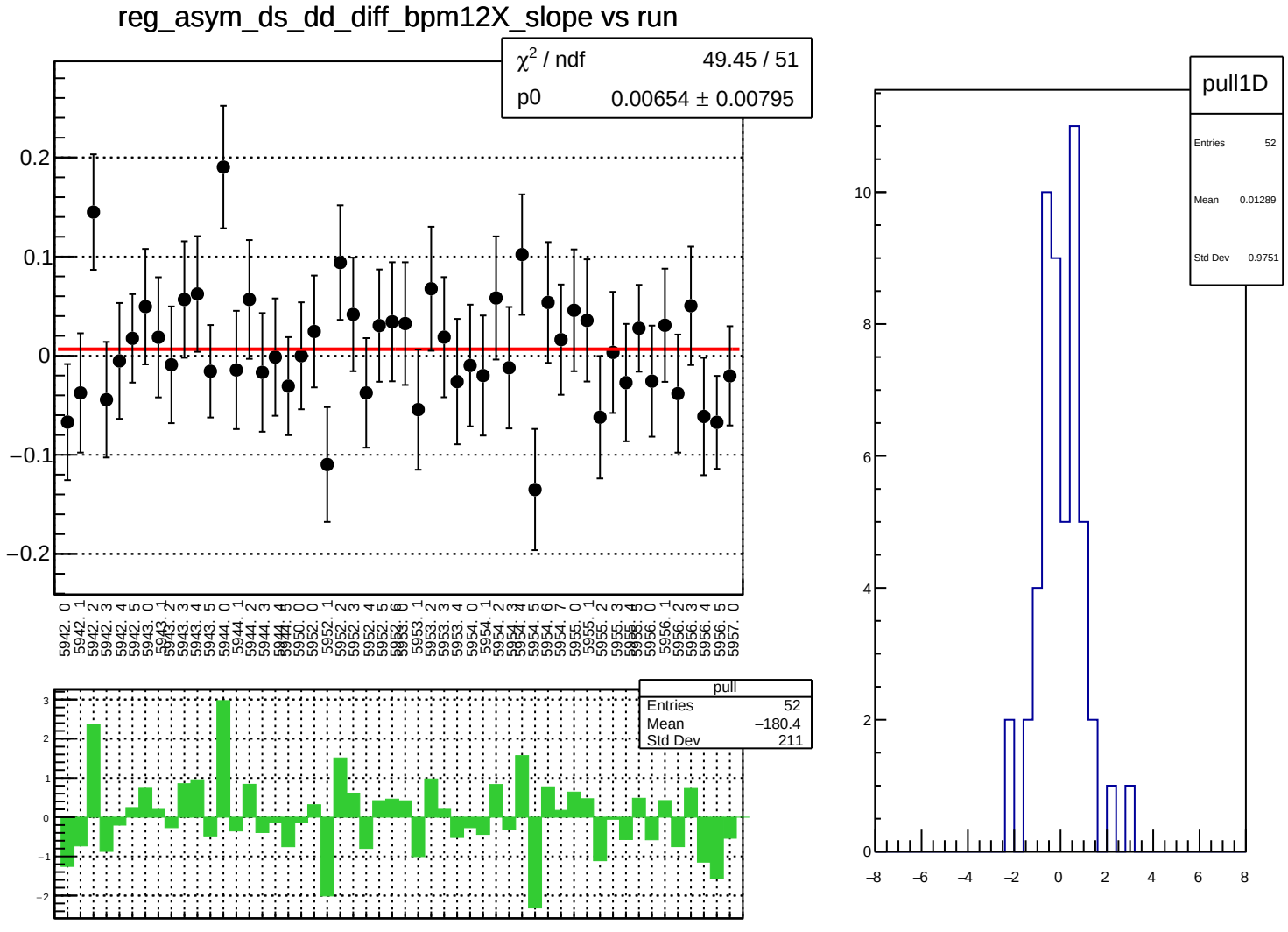

pull1D
Entries 52
Mean −0.008383
Std Dev 0.9054

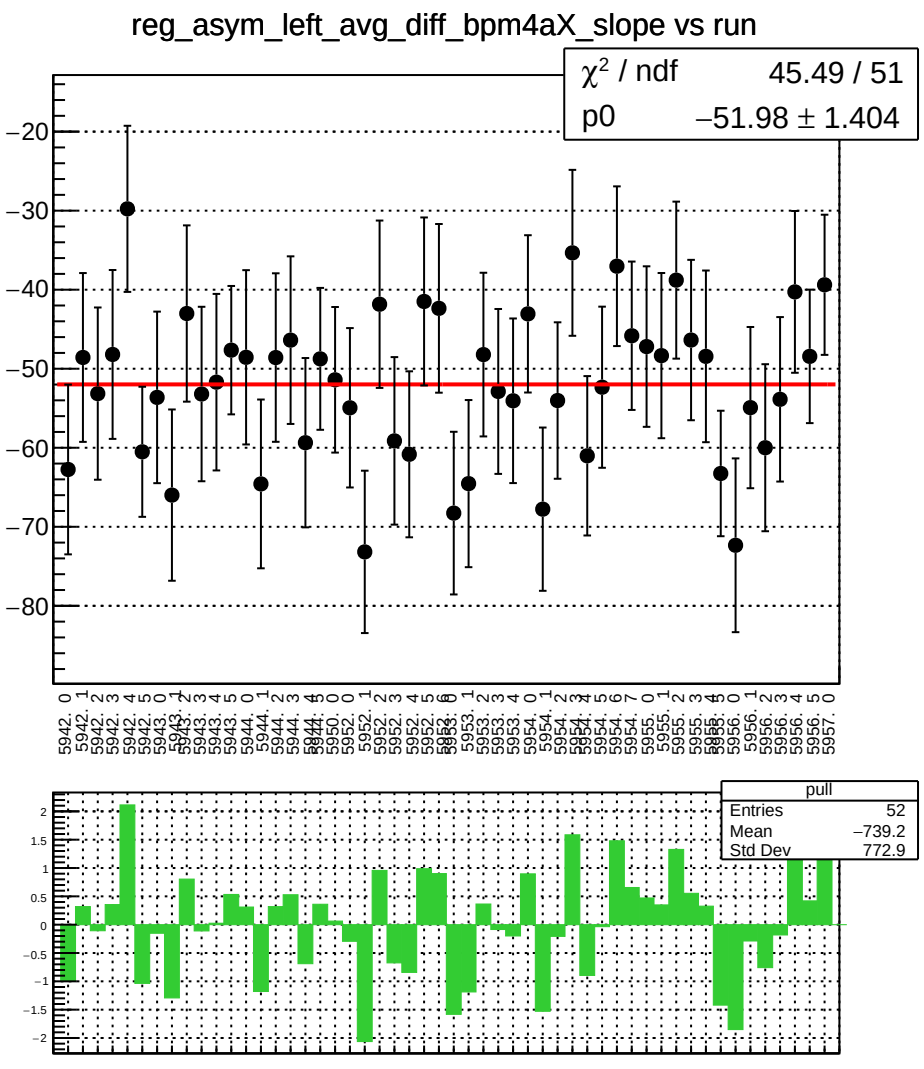

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.82 / 51
p0 0.1179 ± 0.1917
pull
Entries 52
Mean 376.5
Std Dev 360.9

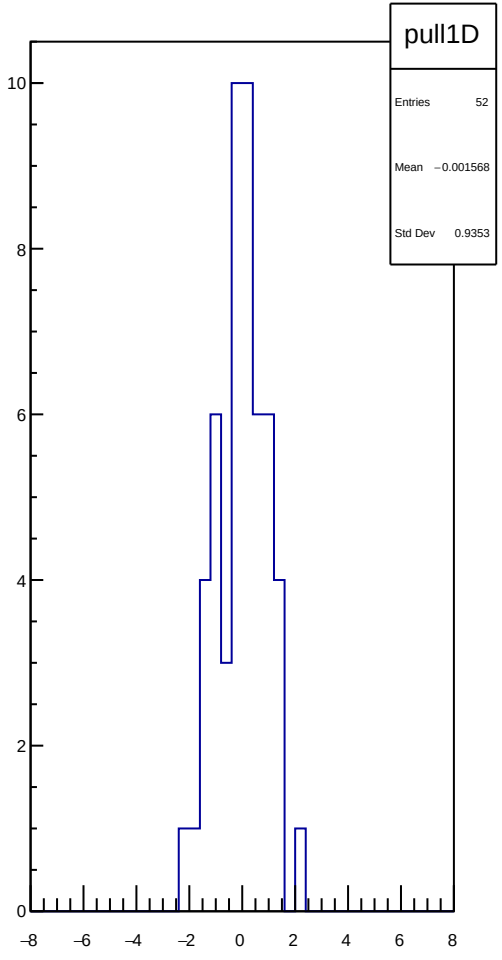

pull1D
Entries 52
Mean 0.003351
Std Dev 0.9488

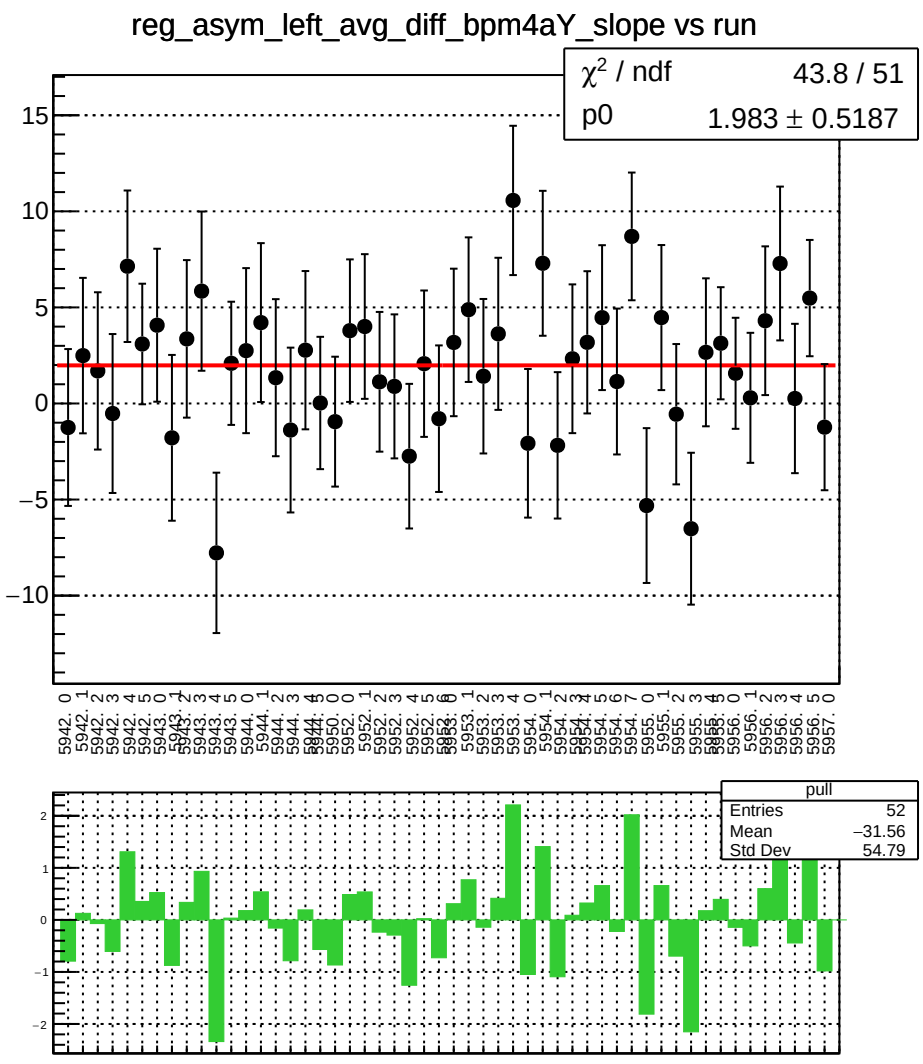

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.07 / 51
p0 0.03196 ± 0.08691
pull
Entries 52
Mean 17.27
Std Dev 63.85

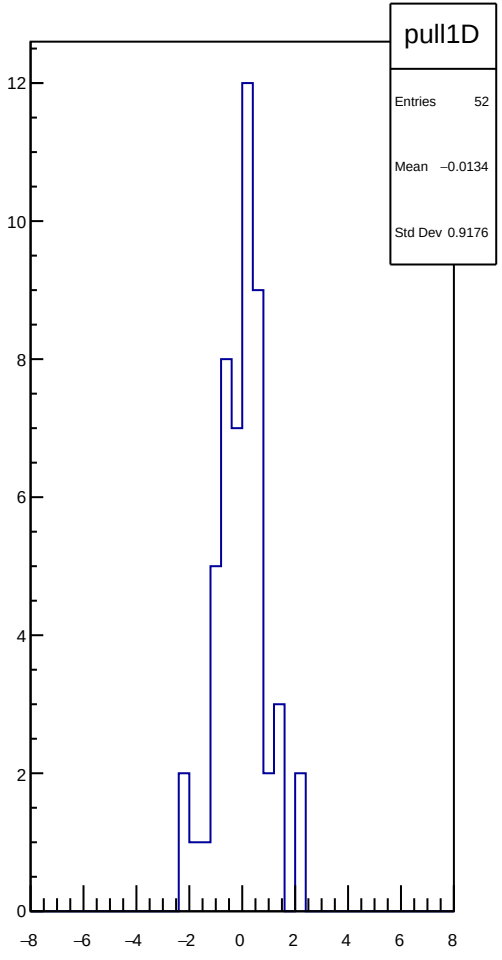

pull1D
Entries 52
Mean 0.01131
Std Dev 0.8994

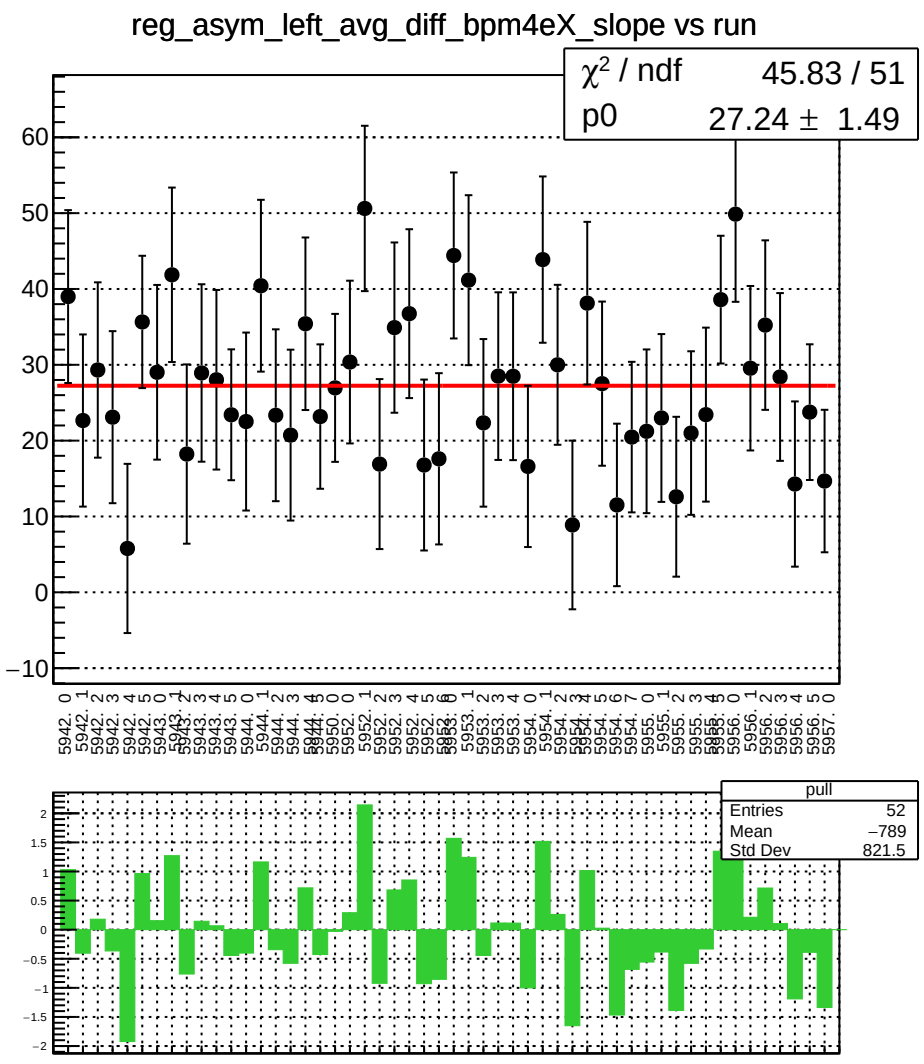

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 49.45 / 51
p0 0.00654 ± 0.00795
0.2
0.1
0
−0.1
−0.2
pull
Entries 52
Mean −180.4
Std Dev 211
pull1D
Entries 52
Mean 0.01289
Std Dev 0.9751
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

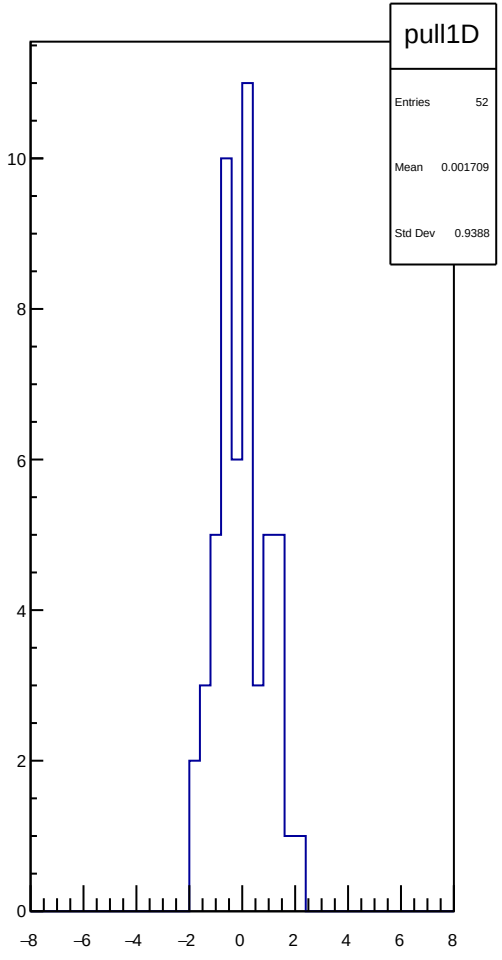

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 45.49 / 51
p0 −51.98 ± 1.404
pull
Entries 52
Mean −739.2
Std Dev 772.9

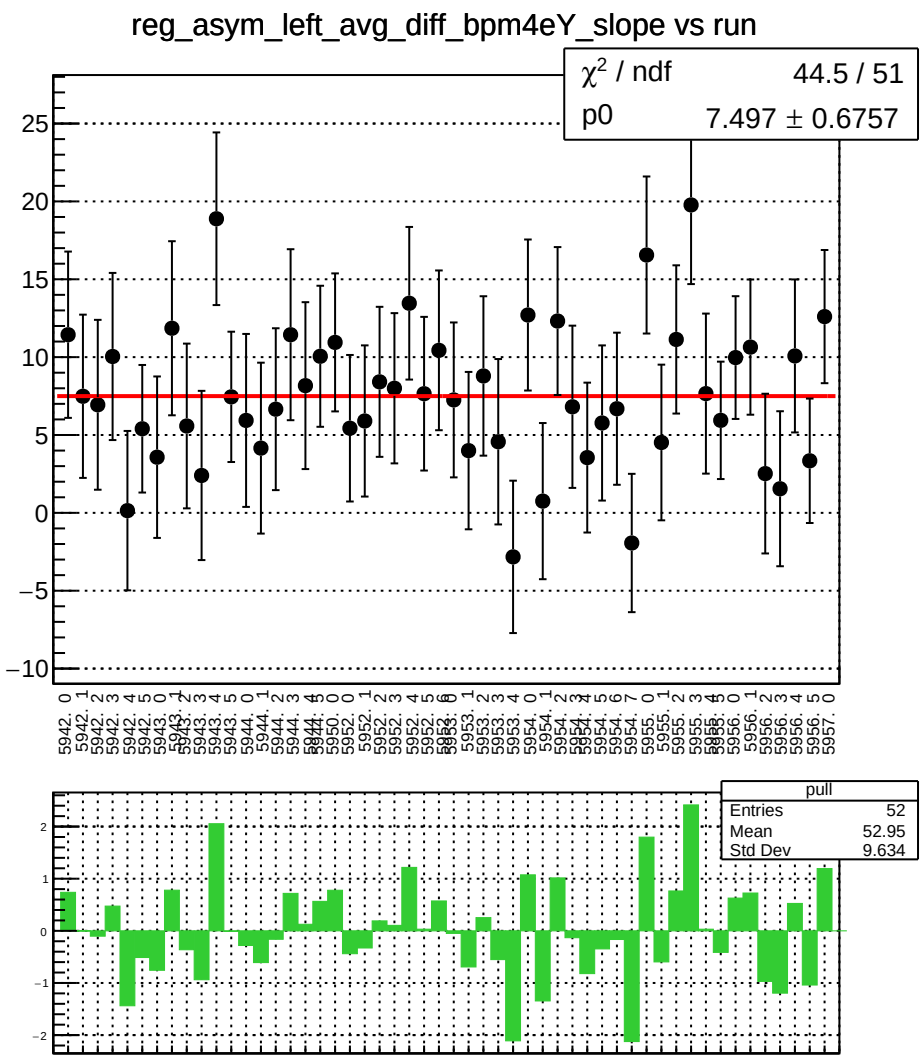

pull1D
Entries 52
Mean −0.001568
Std Dev 0.9353

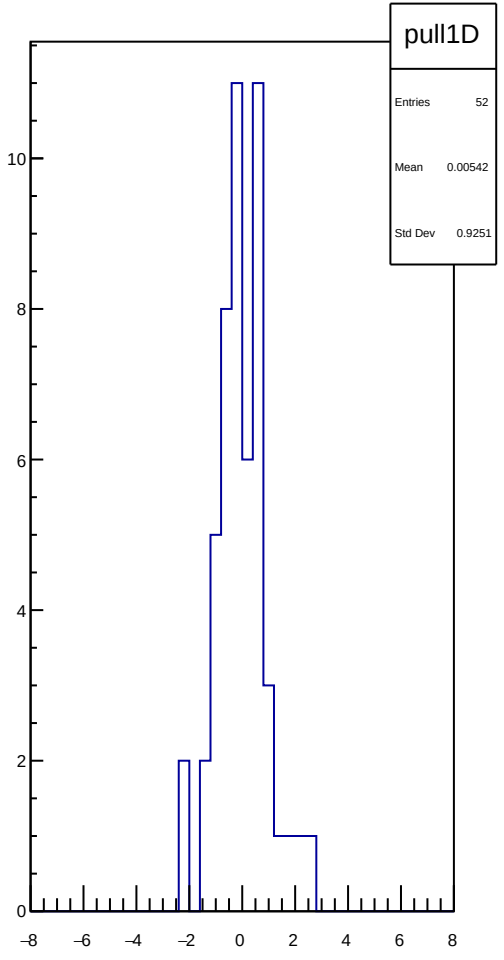

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.8 / 51
p0 1.983 ± 0.5187
pull
Entries 52
Mean −31.56
Std Dev 54.79

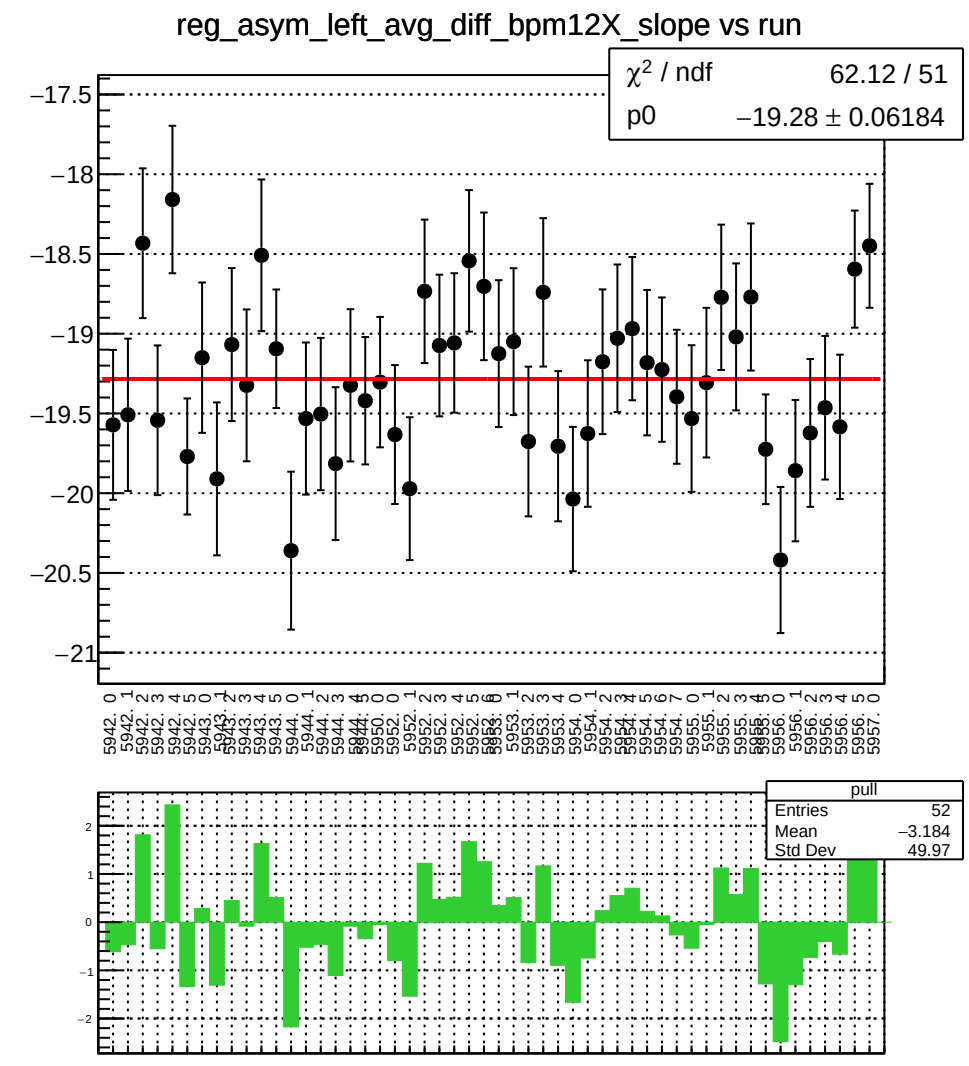

pull1D
Entries 52
Mean −0.0134
Std Dev 0.9176

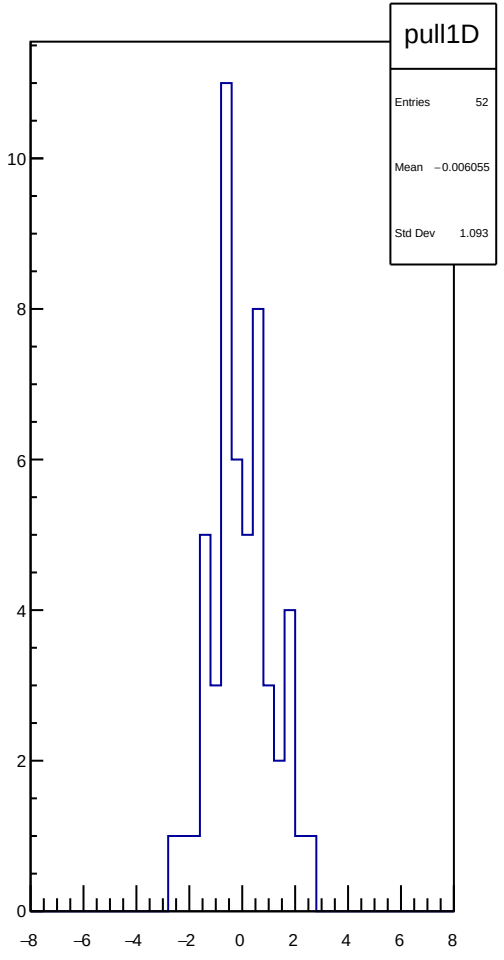

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.83 / 51
p0 27.24 ± 1.49
pull
Entries 52
Mean −789
Std Dev 821.5

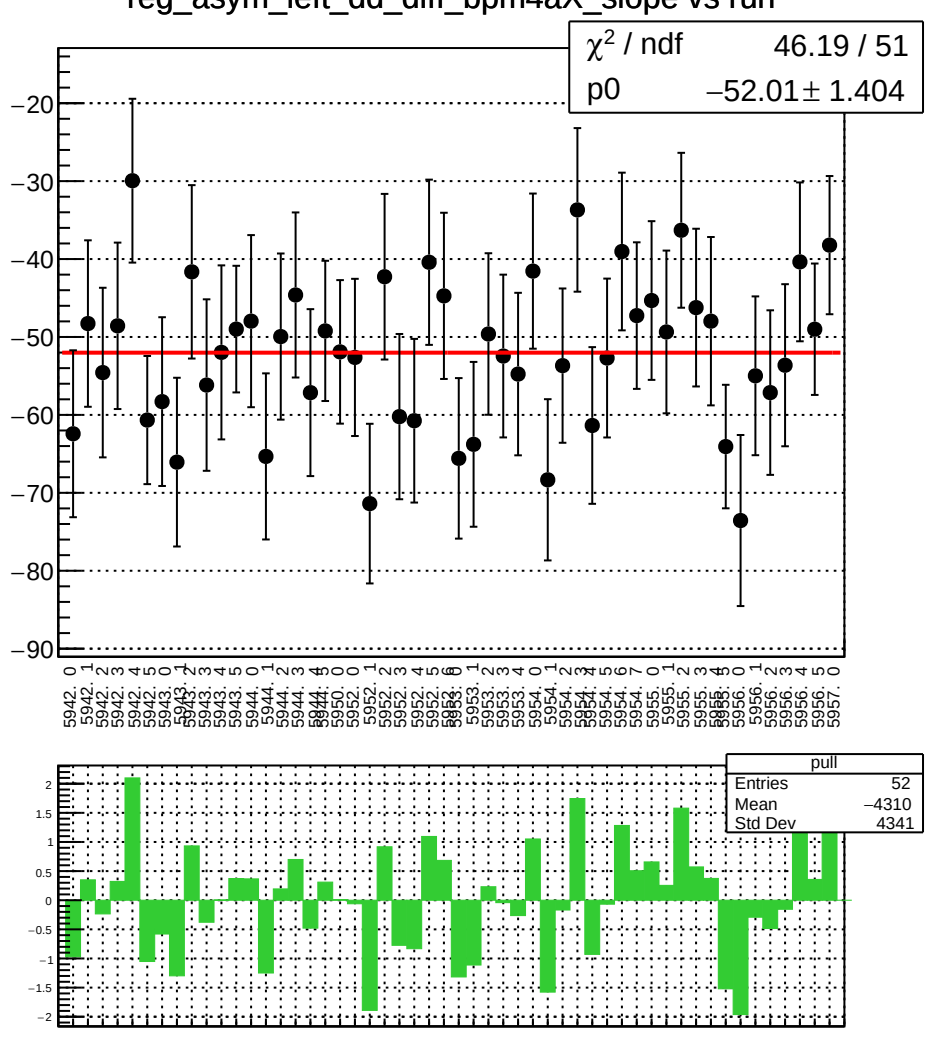

pull1D
Entries 52
Mean 0.001709
Std Dev 0.9388

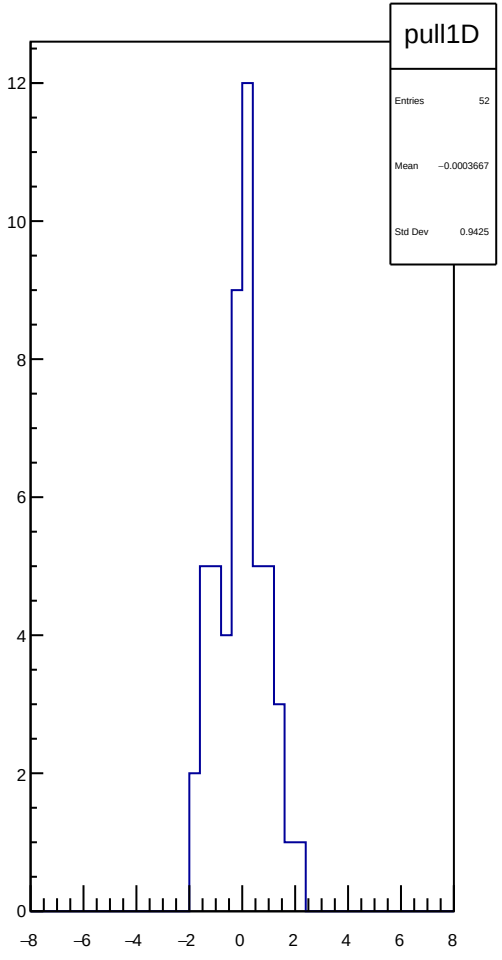

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.5 / 51
p0 7.497 ± 0.6757
pull
Entries 52
Mean 52.95
Std Dev 9.634

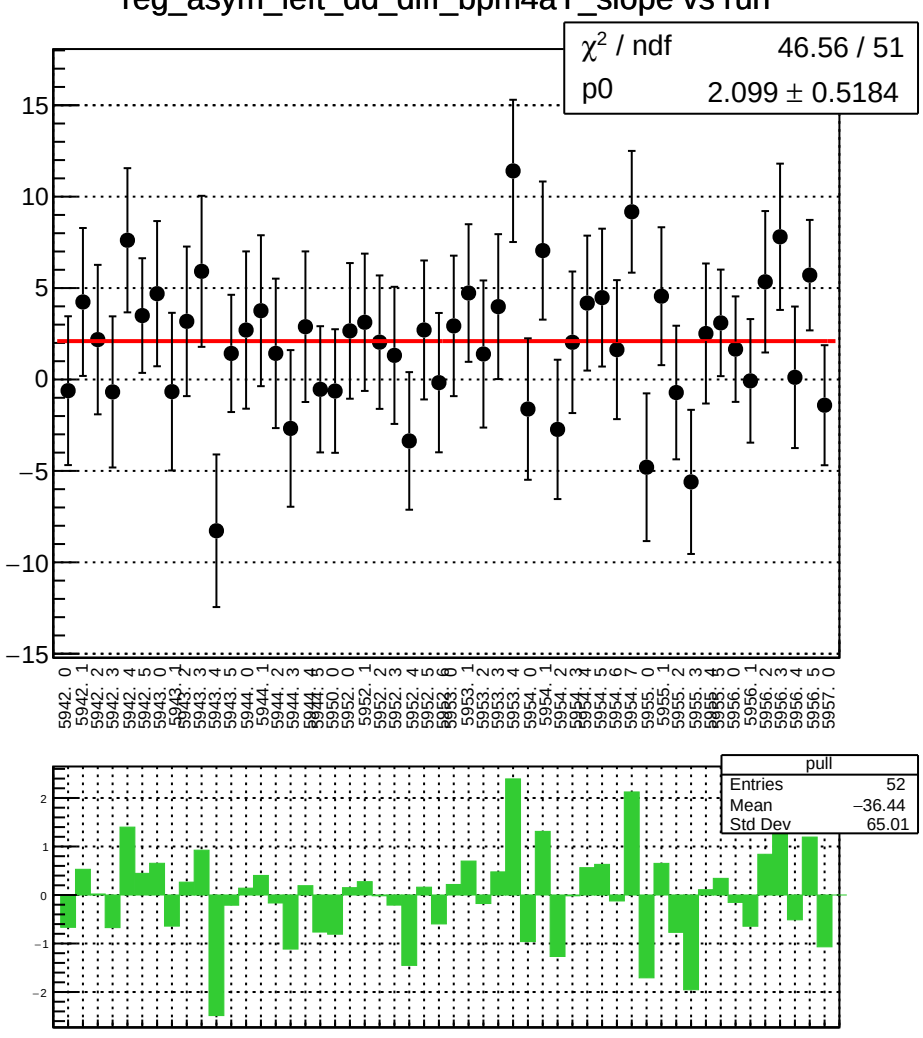

pull1D
Entries 52
Mean 0.00542
Std Dev 0.9251

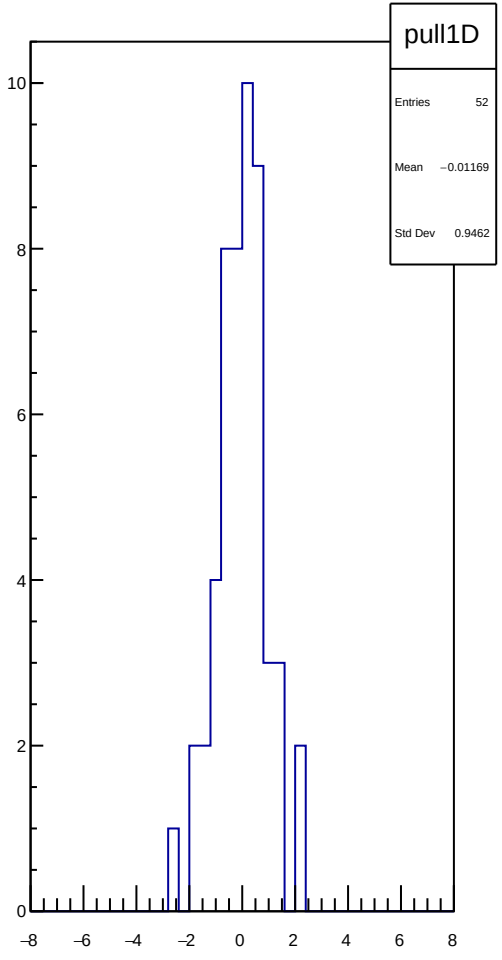

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 62.12 / 51
p0 −19.28 ± 0.06184
pull
Entries 52
Mean −3.184
Std Dev 49.97

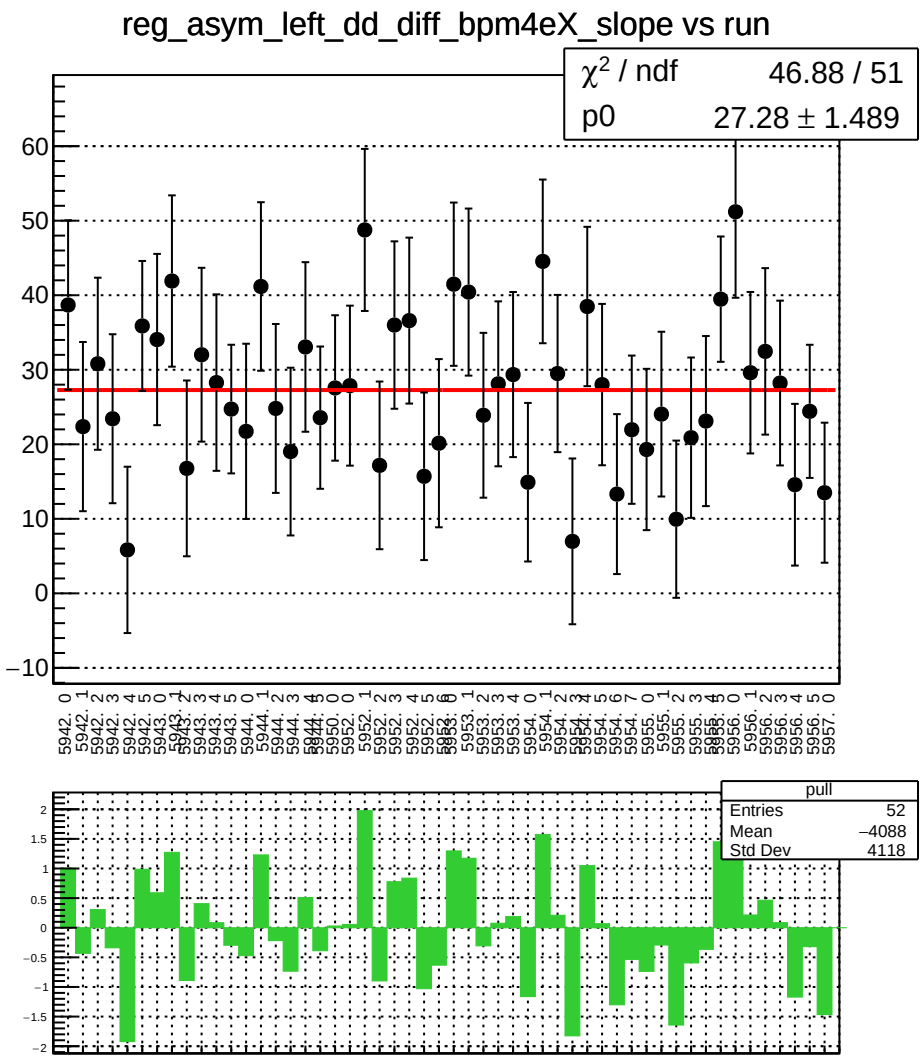

pull1D
Entries 52
Mean −0.006055
Std Dev 1.093

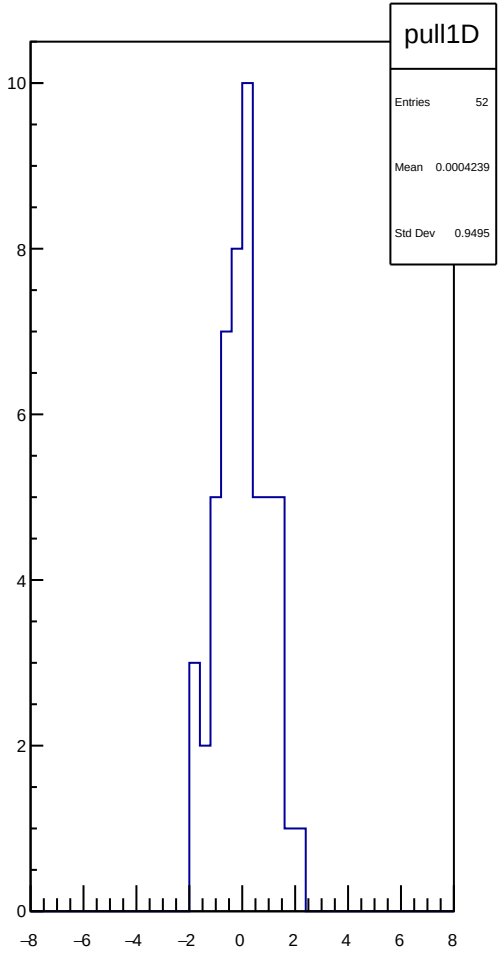

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 46.19 / 51
p0 −52.01 ± 1.404
pull
Entries 52
Mean −4310
Std Dev 4341

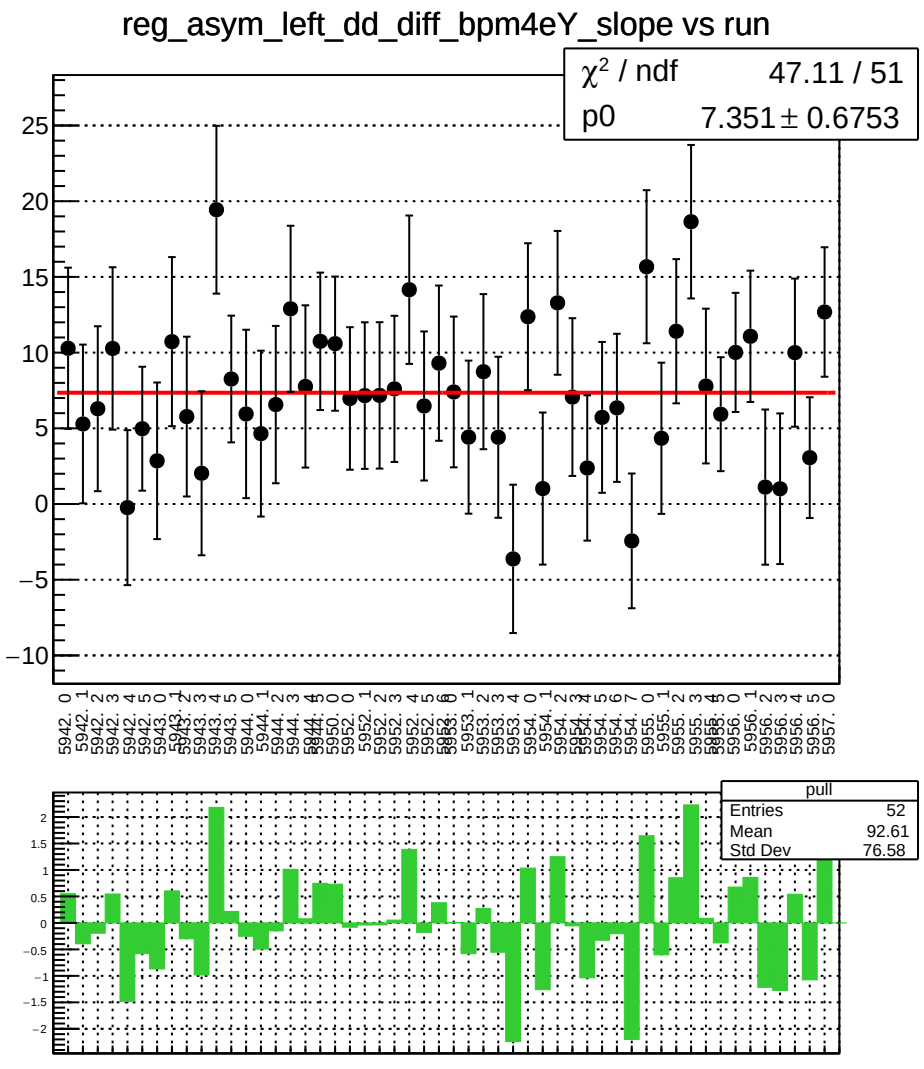

pull1D
Entries 52
Mean −0.0003667
Std Dev 0.9425

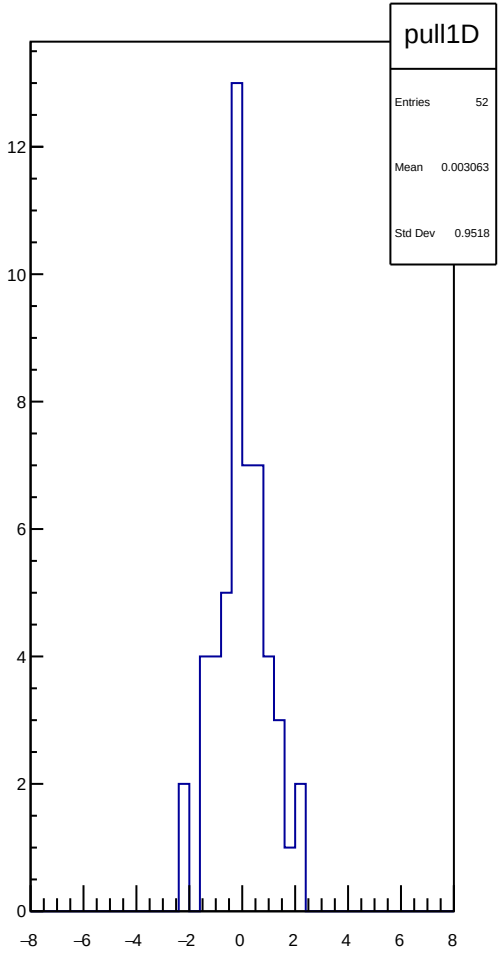

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.56 / 51
p0 2.099 ± 0.5184
pull
Entries 52
Mean −36.44
Std Dev 65.01

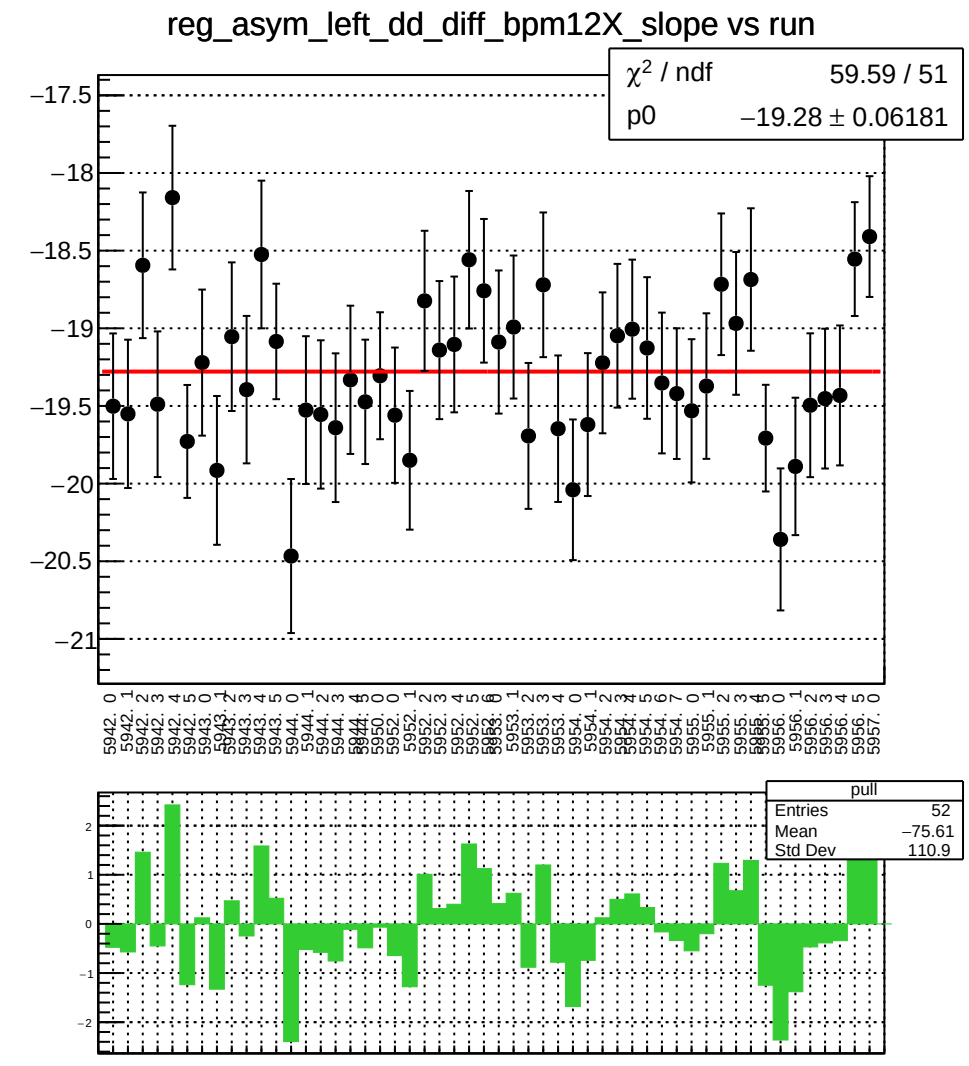

pull1D
Entries 52
Mean −0.01169
Std Dev 0.9462

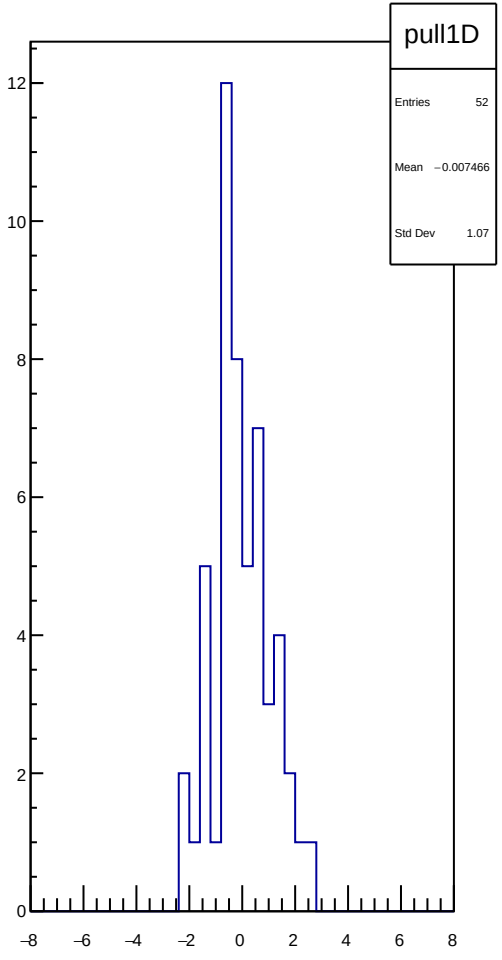

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.88 / 51
p0 27.28 ± 1.489
pull
Entries 52
Mean −4088
Std Dev 4118

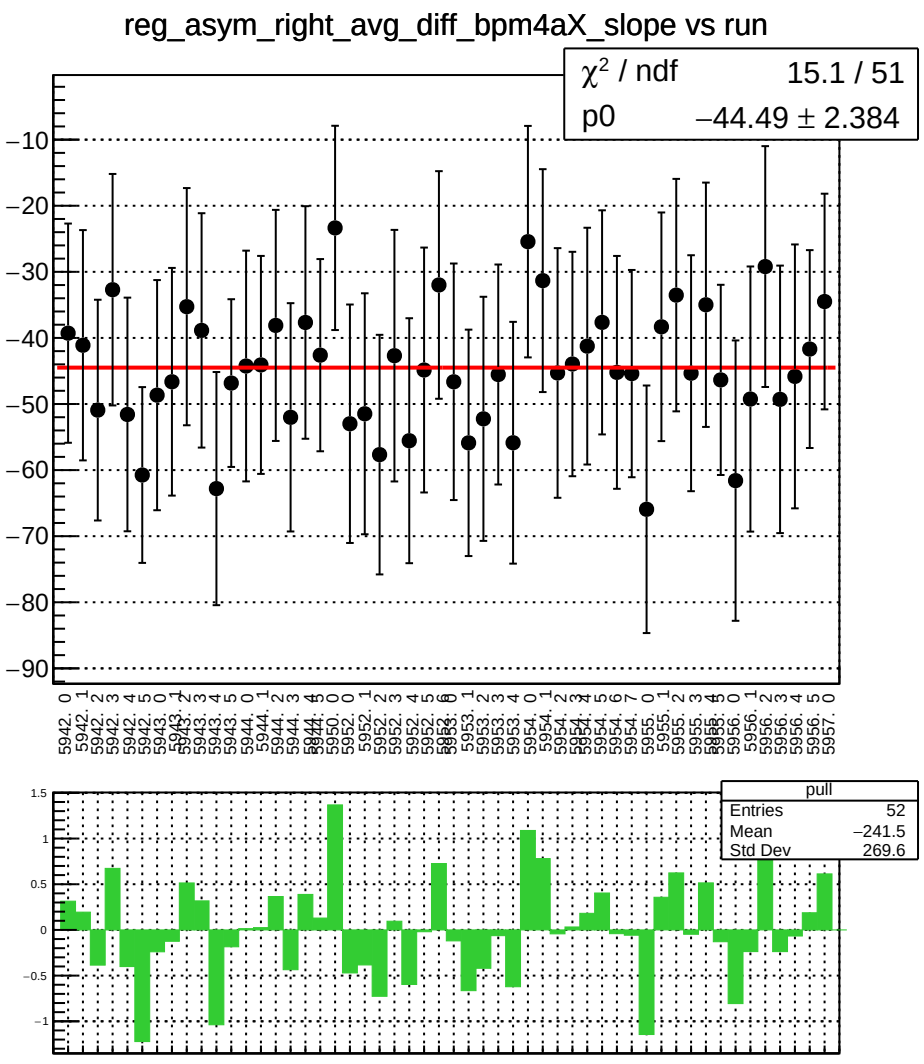

pull1D
Entries 52
Mean 0.0004239
Std Dev 0.9495

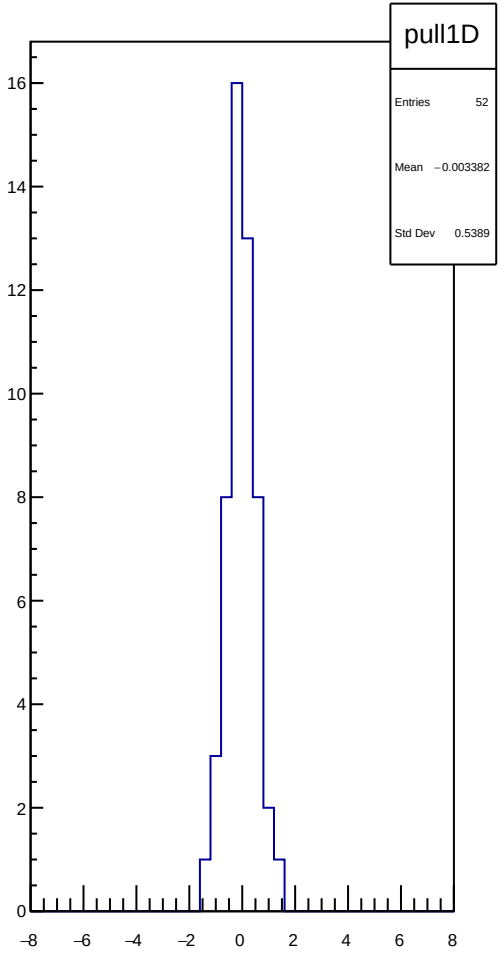

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.11 / 51
p0 7.351 ± 0.6753
pull
Entries 52
Mean 92.61
Std Dev 76.58

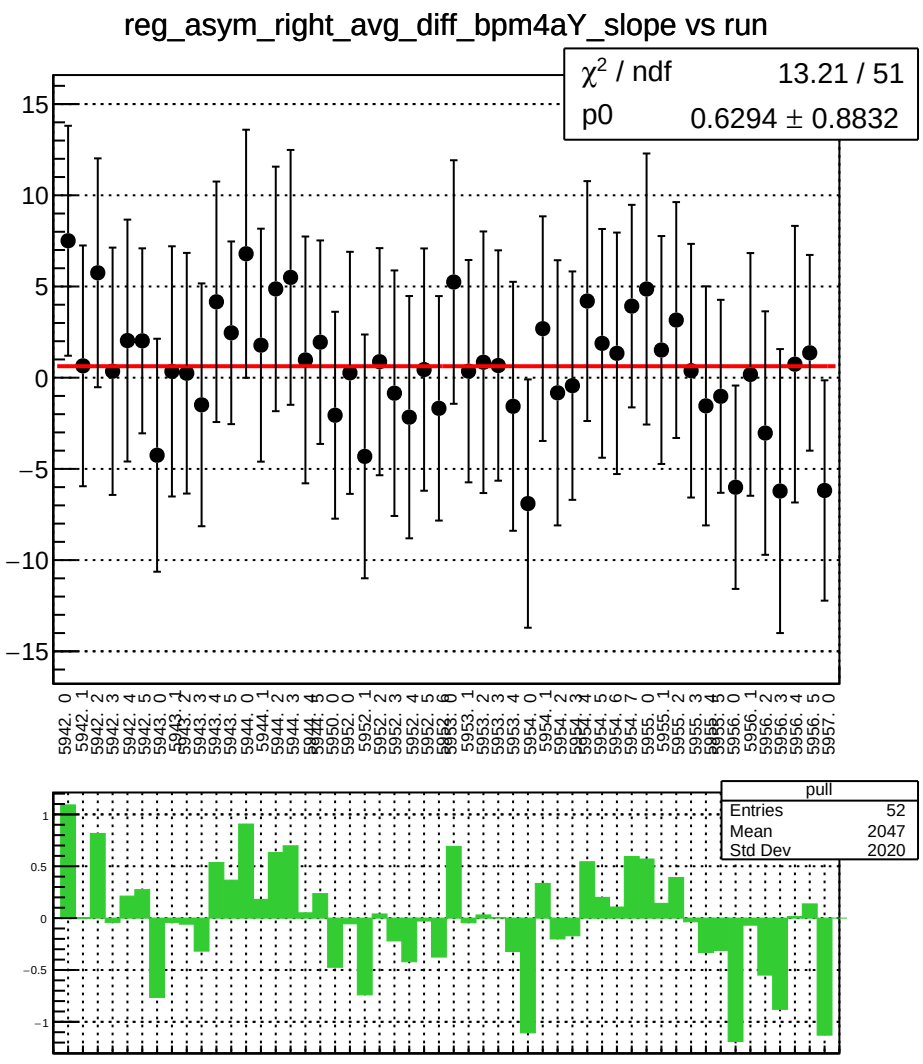

pull1D
Entries 52
Mean 0.003063
Std Dev 0.9518

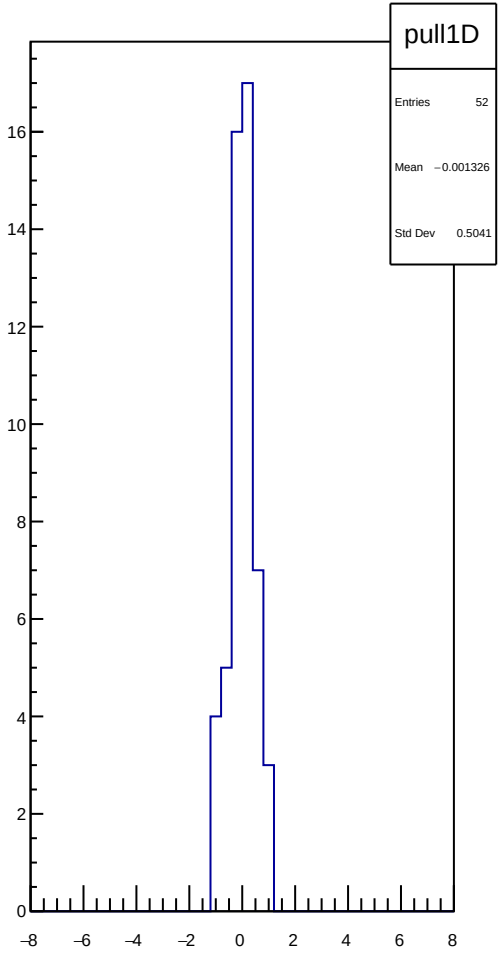

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 59.59 / 51
p0 −19.28 ± 0.06181
pull
Entries 52
Mean −75.61
Std Dev 110.9

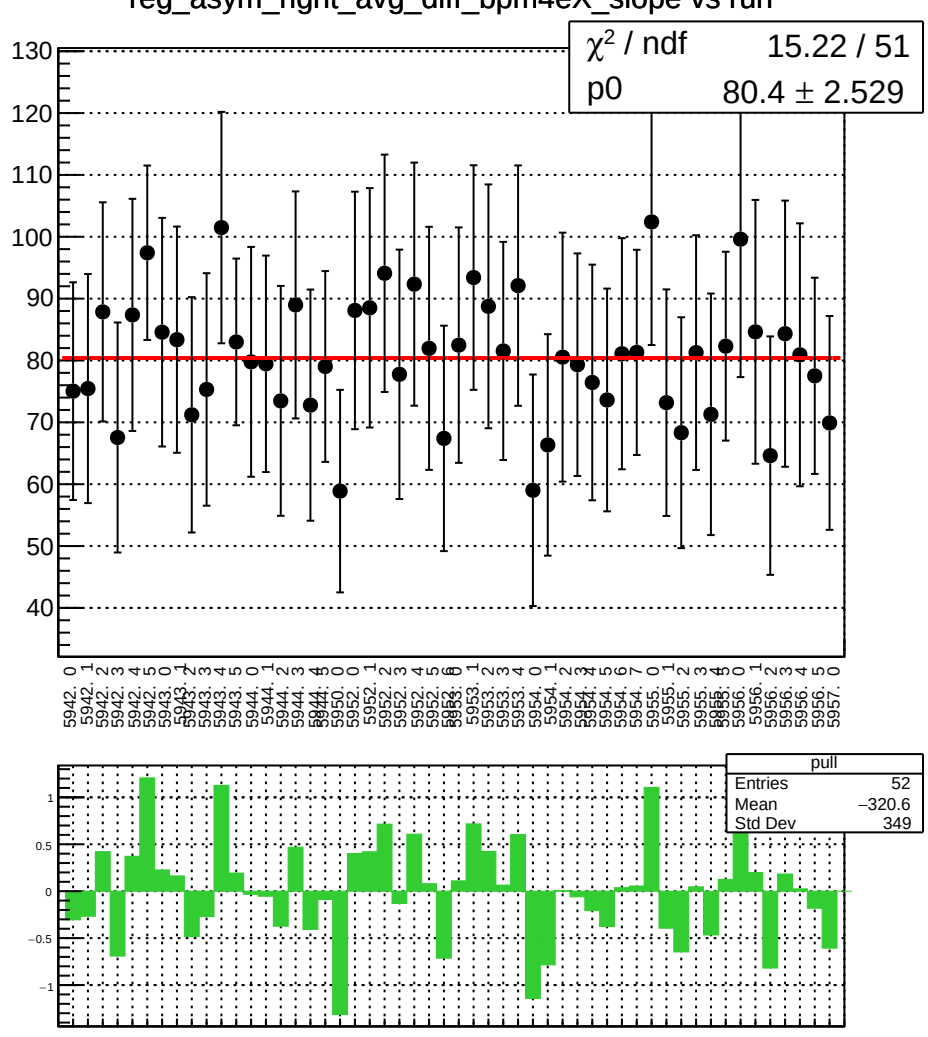

pull1D
Entries 52
Mean −0.007466
Std Dev 1.07

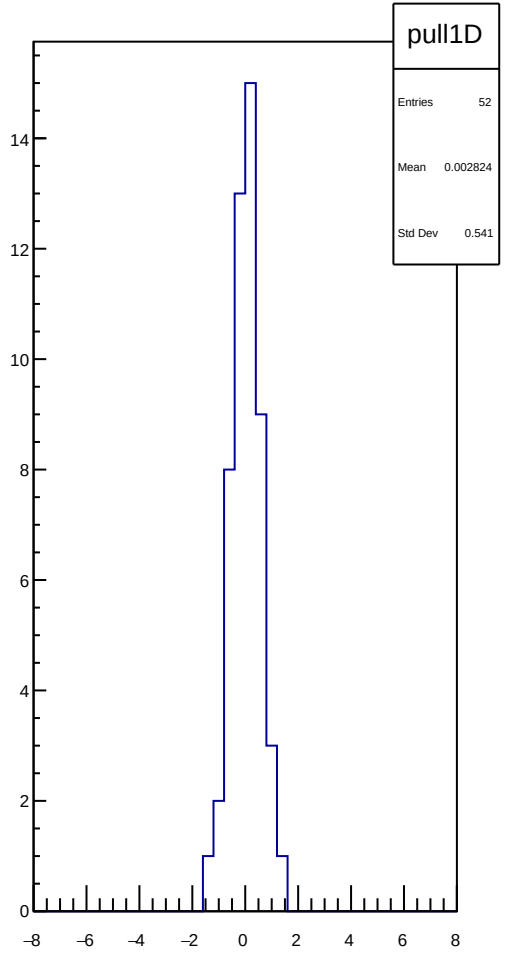

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.1 / 51
p0 −44.49 ± 2.384
pull
Entries 52
Mean −241.5
Std Dev 269.6

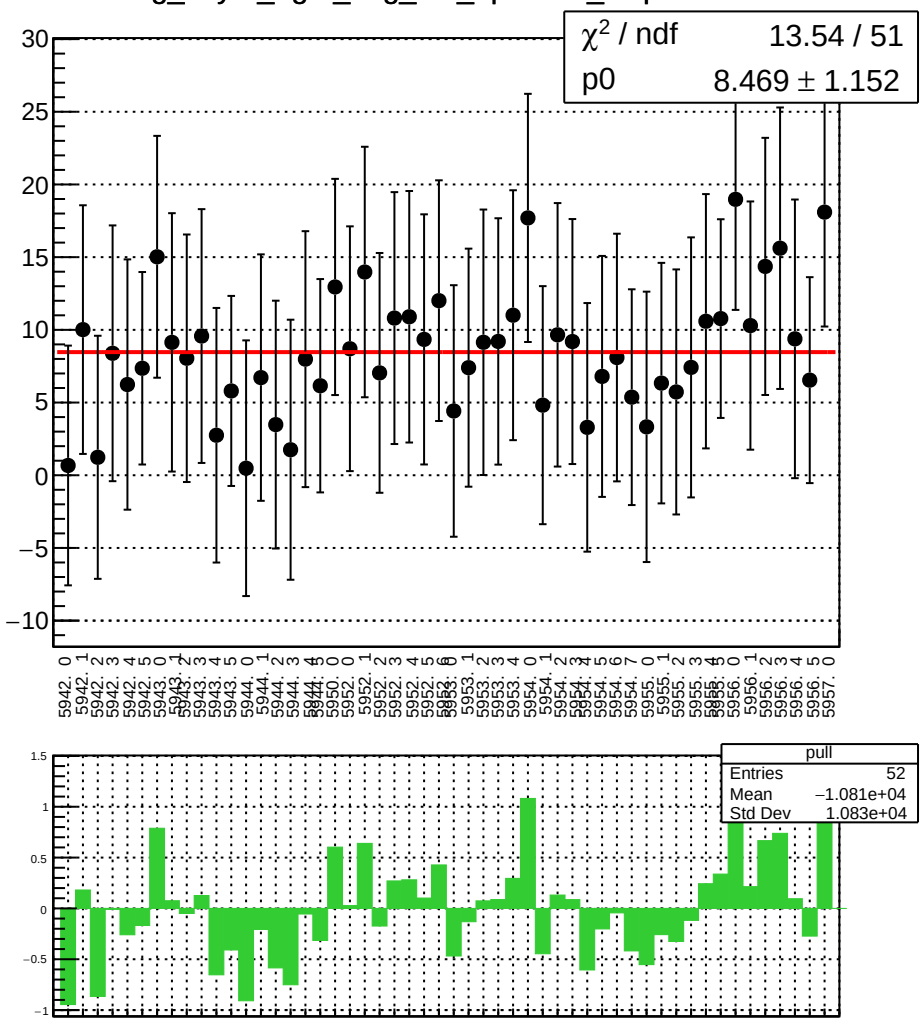

pull1D
Entries 52
Mean −0.003382
Std Dev 0.5389

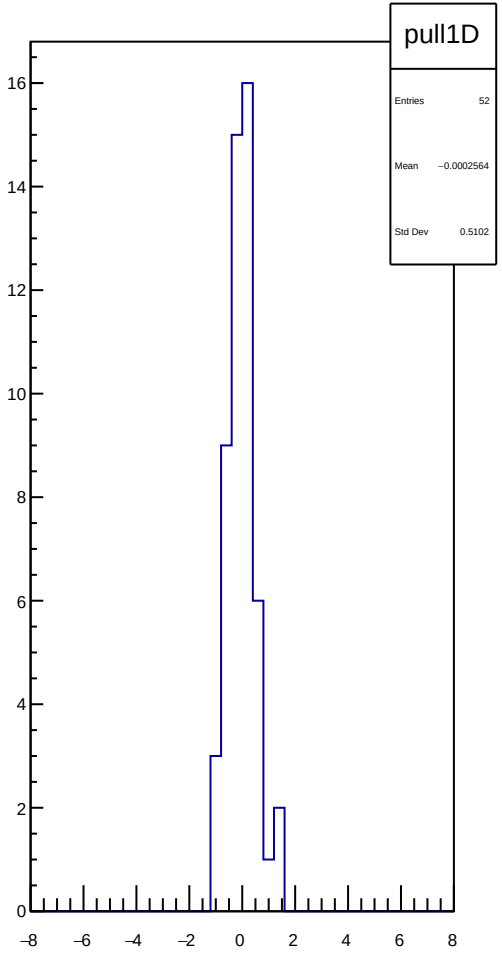

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.21 / 51
p0 0.6294 ± 0.8832
pull
Entries 52
Mean 2047
Std Dev 2020

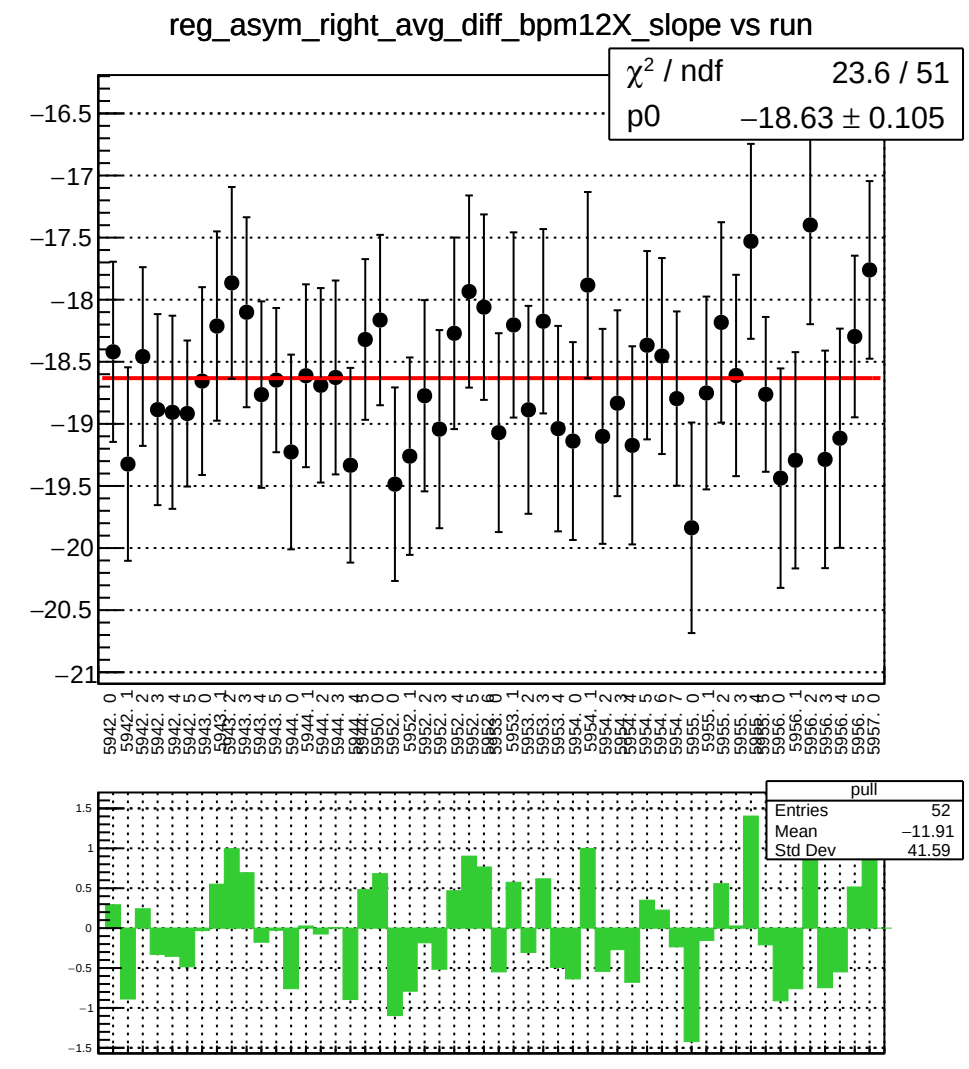

pull1D
Entries 52
Mean −0.001326
Std Dev 0.5041

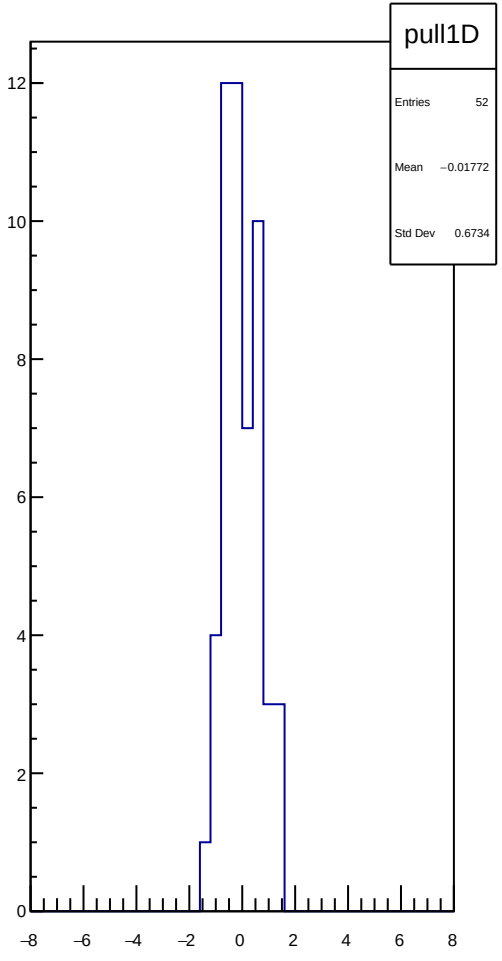

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.22 / 51
p0 80.4 ± 2.529
pull
Entries 52
Mean −320.6
Std Dev 349

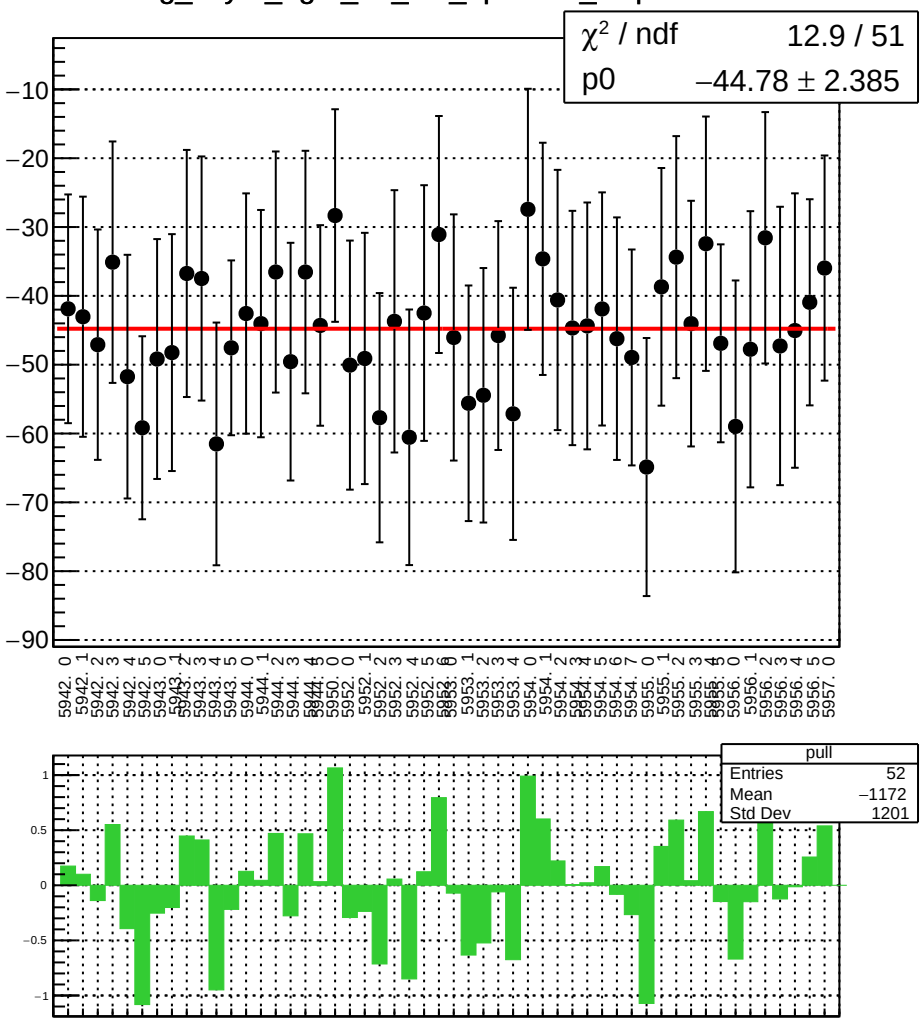

pull1D
Entries 52
Mean 0.002824
Std Dev 0.541

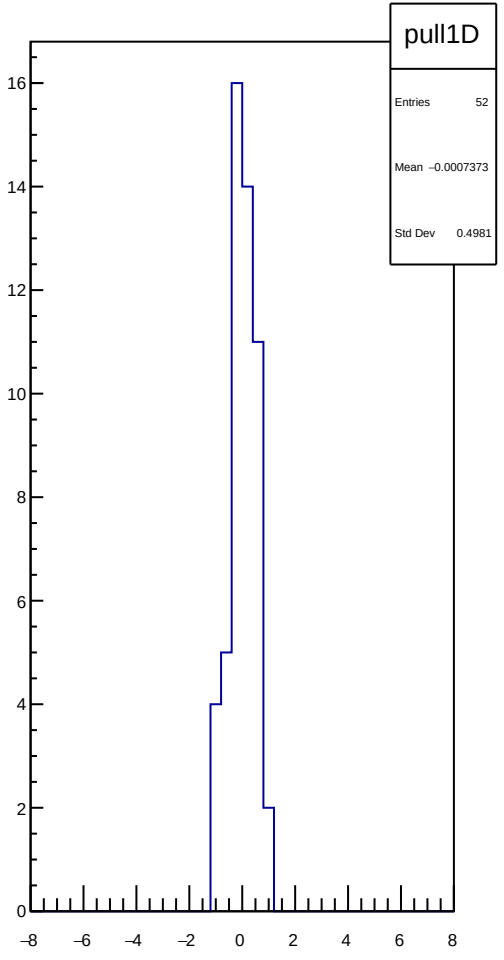

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.54 / 51
p0 8.469 ± 1.152
pull
Entries 52
Mean −1.081e+04
Std Dev 1.083e+04

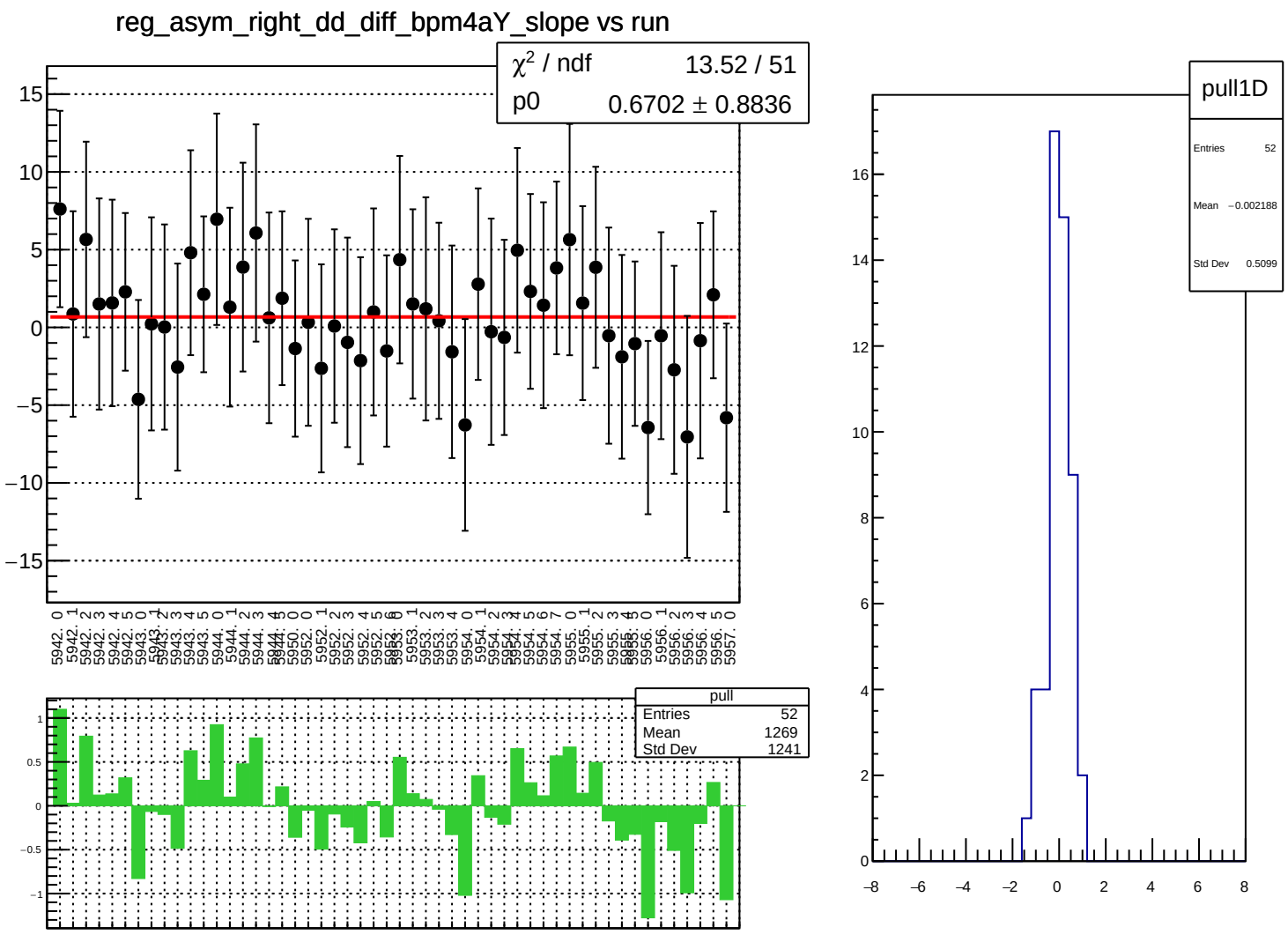

pull1D
Entries 52
Mean −0.0002564
Std Dev 0.5102

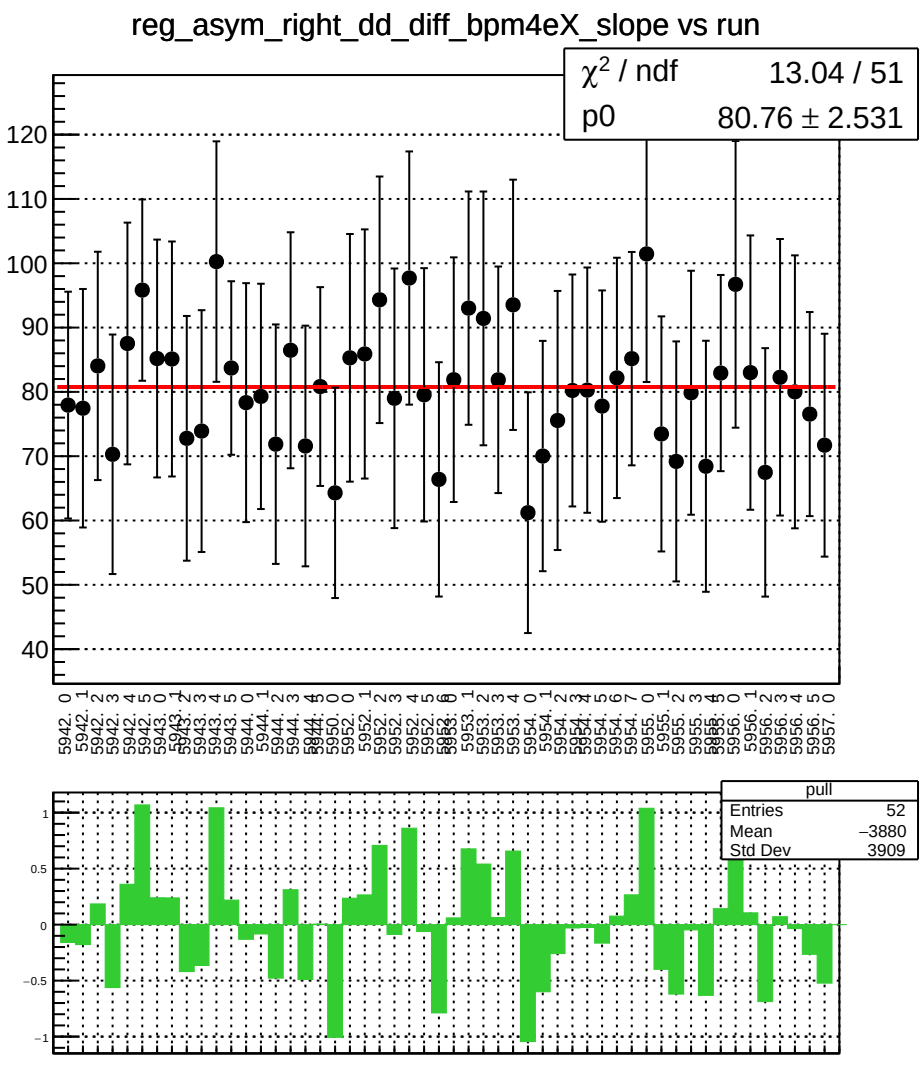

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 23.6 / 51
p0 −18.63 ± 0.105
pull
Entries 52
Mean −11.91
Std Dev 41.59

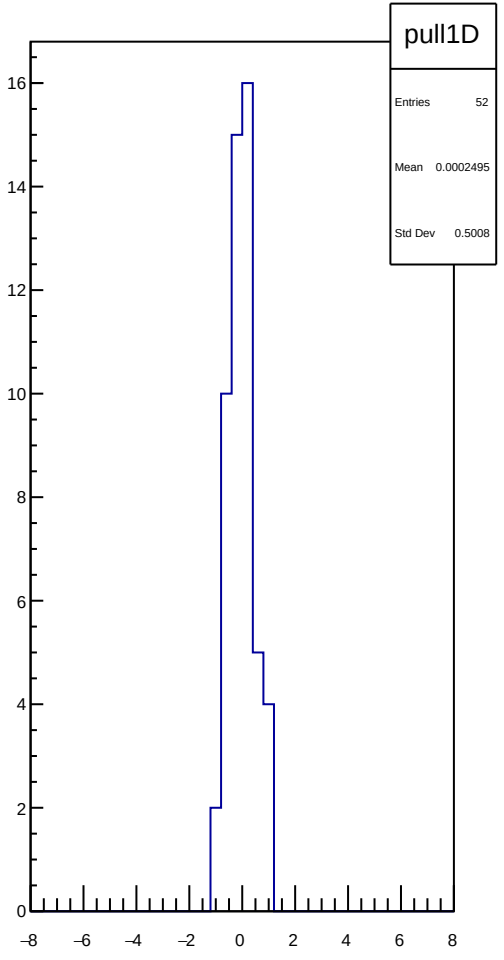

pull1D
Entries 52
Mean −0.01772
Std Dev 0.6734

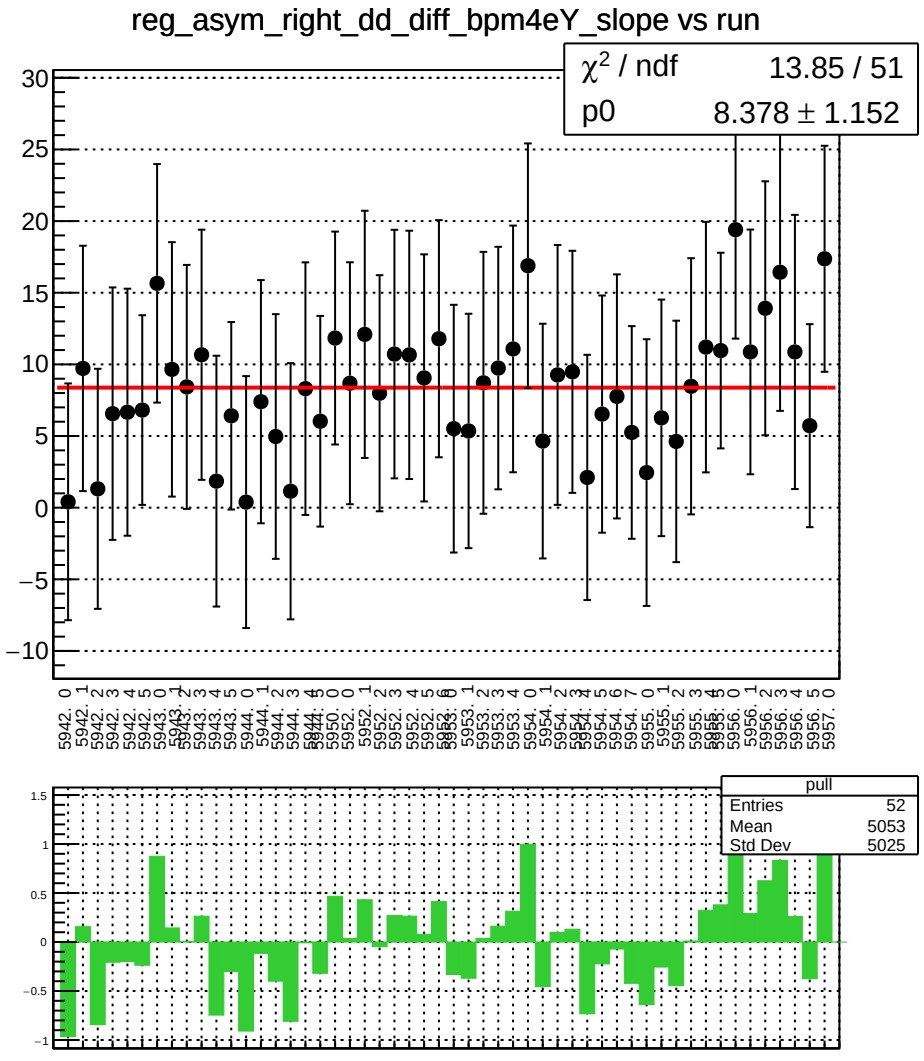

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.9 / 51
p0 −44.78 ± 2.385
pull
Entries 52
Mean −1172
Std Dev 1201

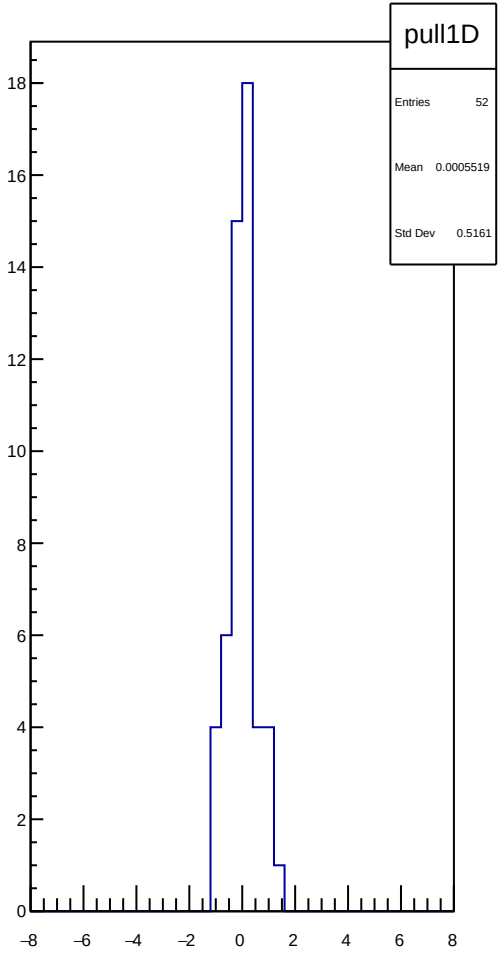

pull1D
Entries 52
Mean −0.0007373
Std Dev 0.4981

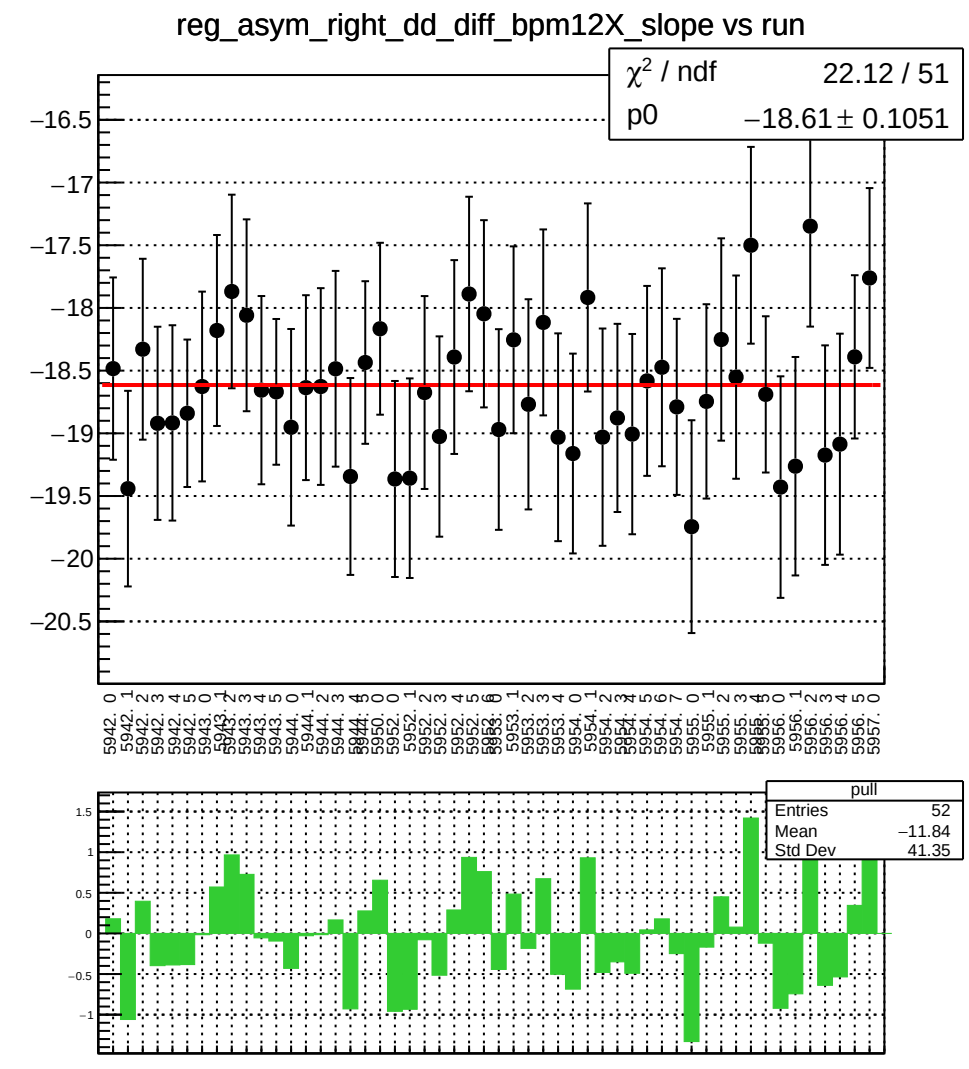

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.52 / 51
p0 0.6702 ± 0.8836
pull
Entries 52
Mean 1269
Std Dev 1241
pull1D
Entries 52
Mean −0.002188
Std Dev 0.5099

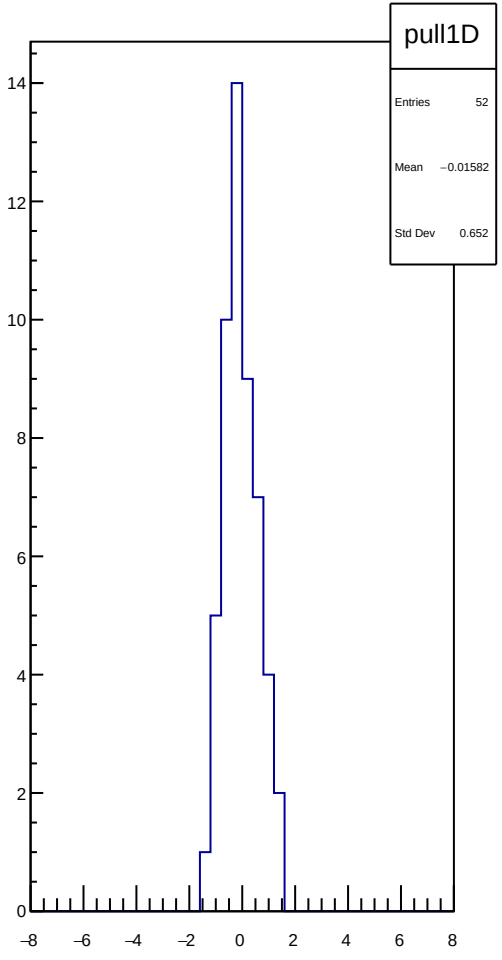

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.04 / 51
p0 80.76 ± 2.531
pull
Entries 52
Mean −3880
Std Dev 3909

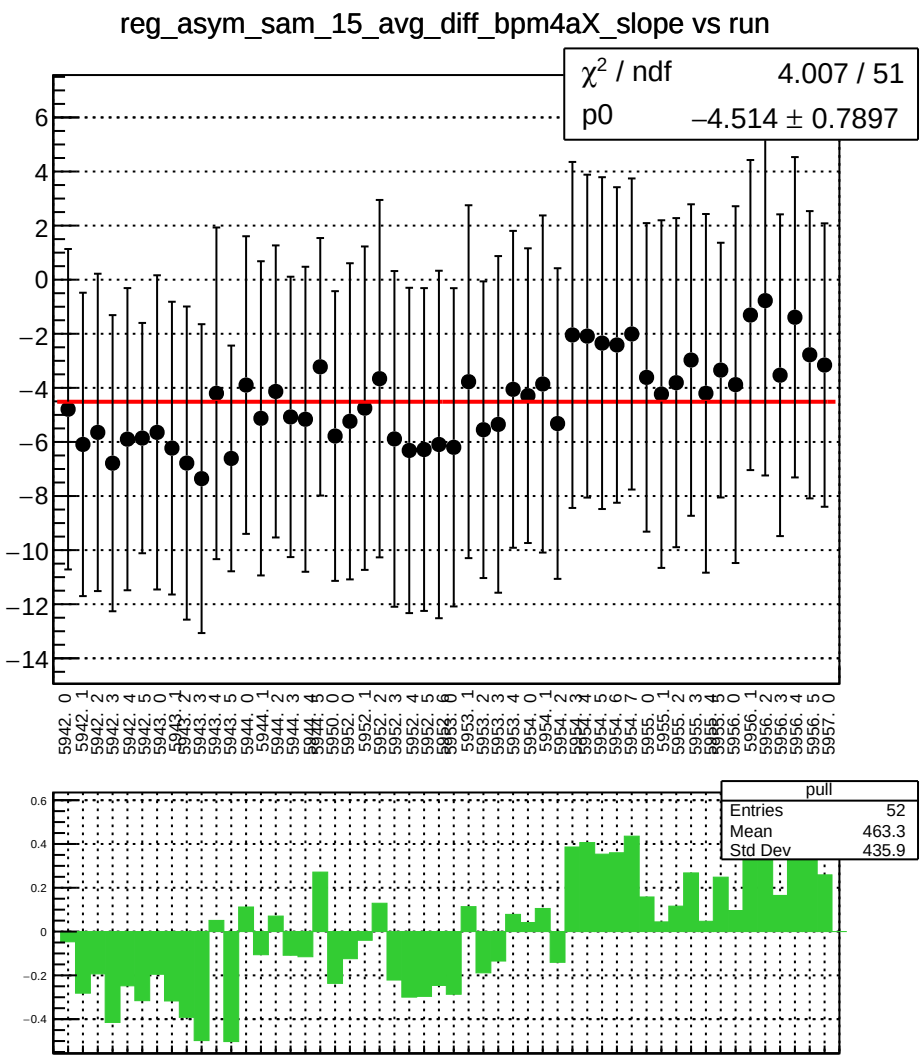

pull1D
Entries 52
Mean 0.0002495
Std Dev 0.5008

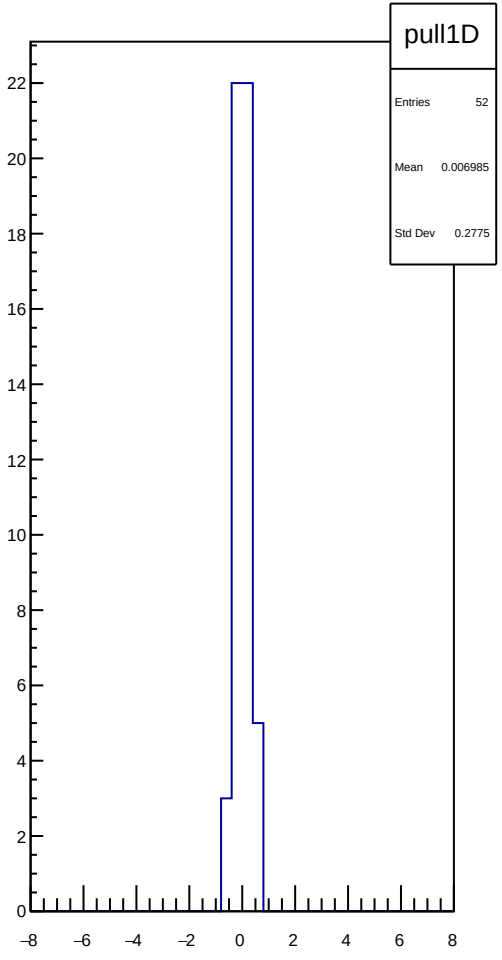

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.85 / 51
p0 8.378 ± 1.152
pull
Entries 52
Mean 5053
Std Dev 5025

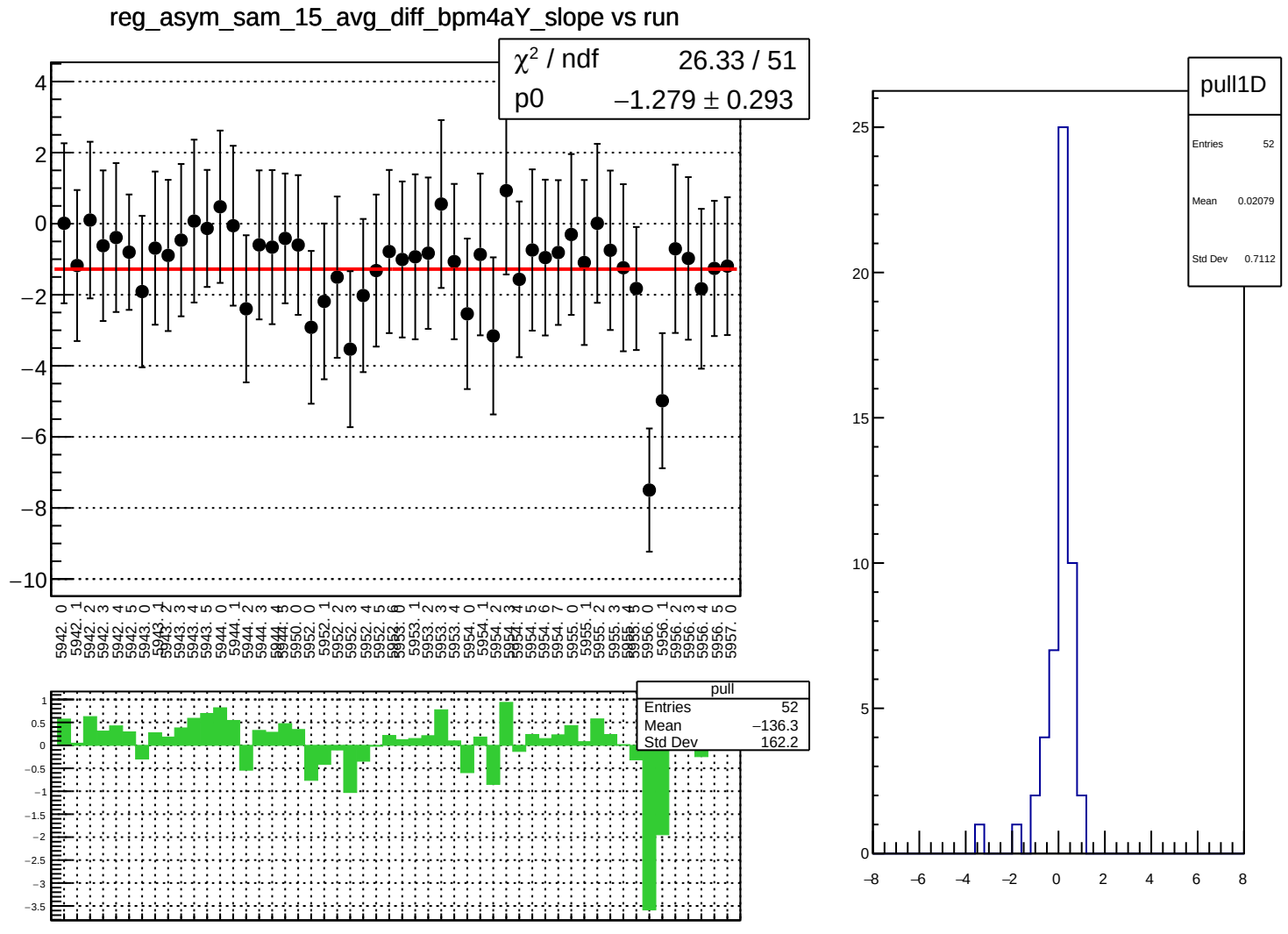

pull1D
Entries 52
Mean 0.0005519
Std Dev 0.5161

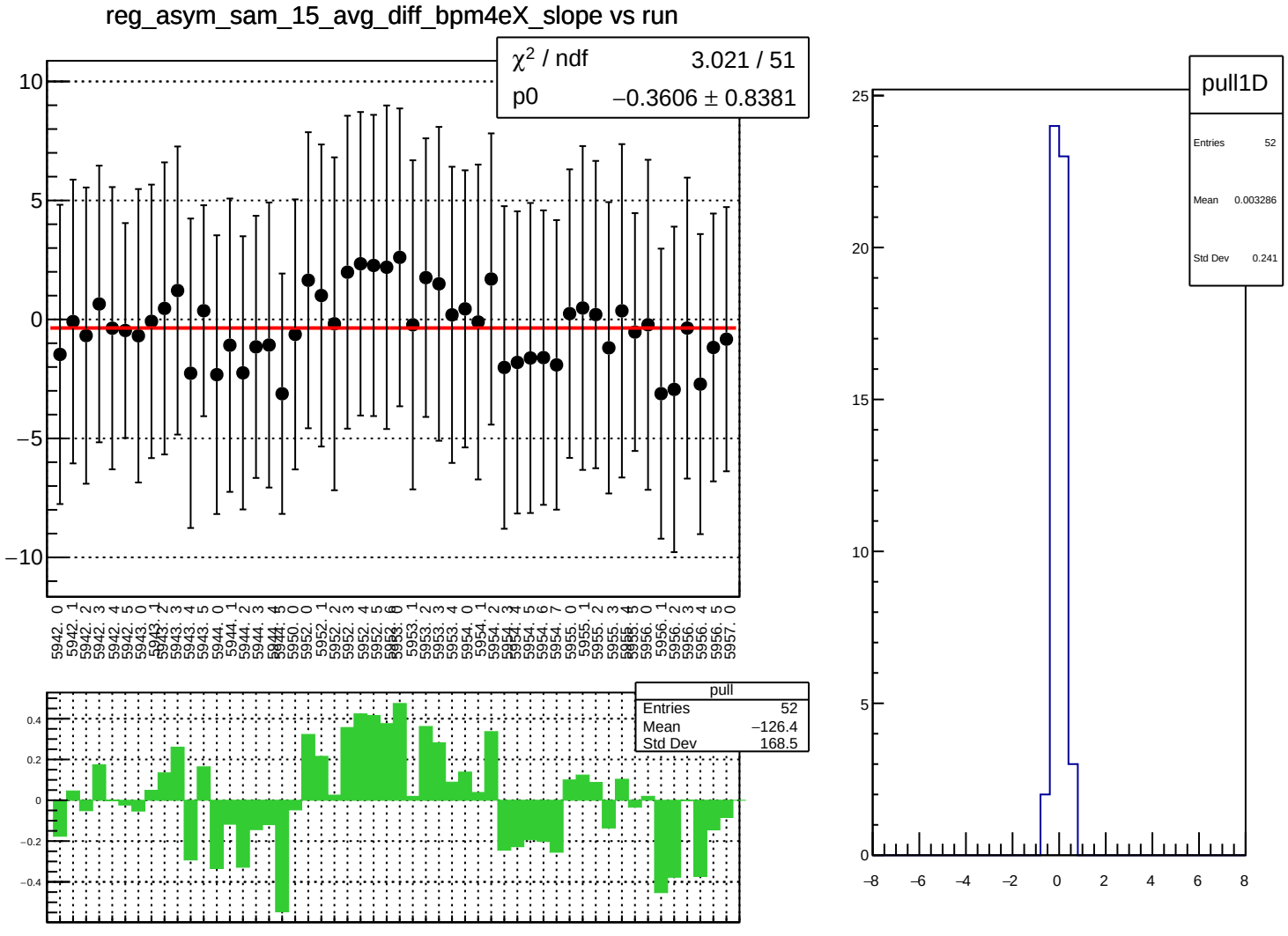

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 22.12 / 51
p0 −18.61 ± 0.1051
pull
Entries 52
Mean −11.84
Std Dev 41.35

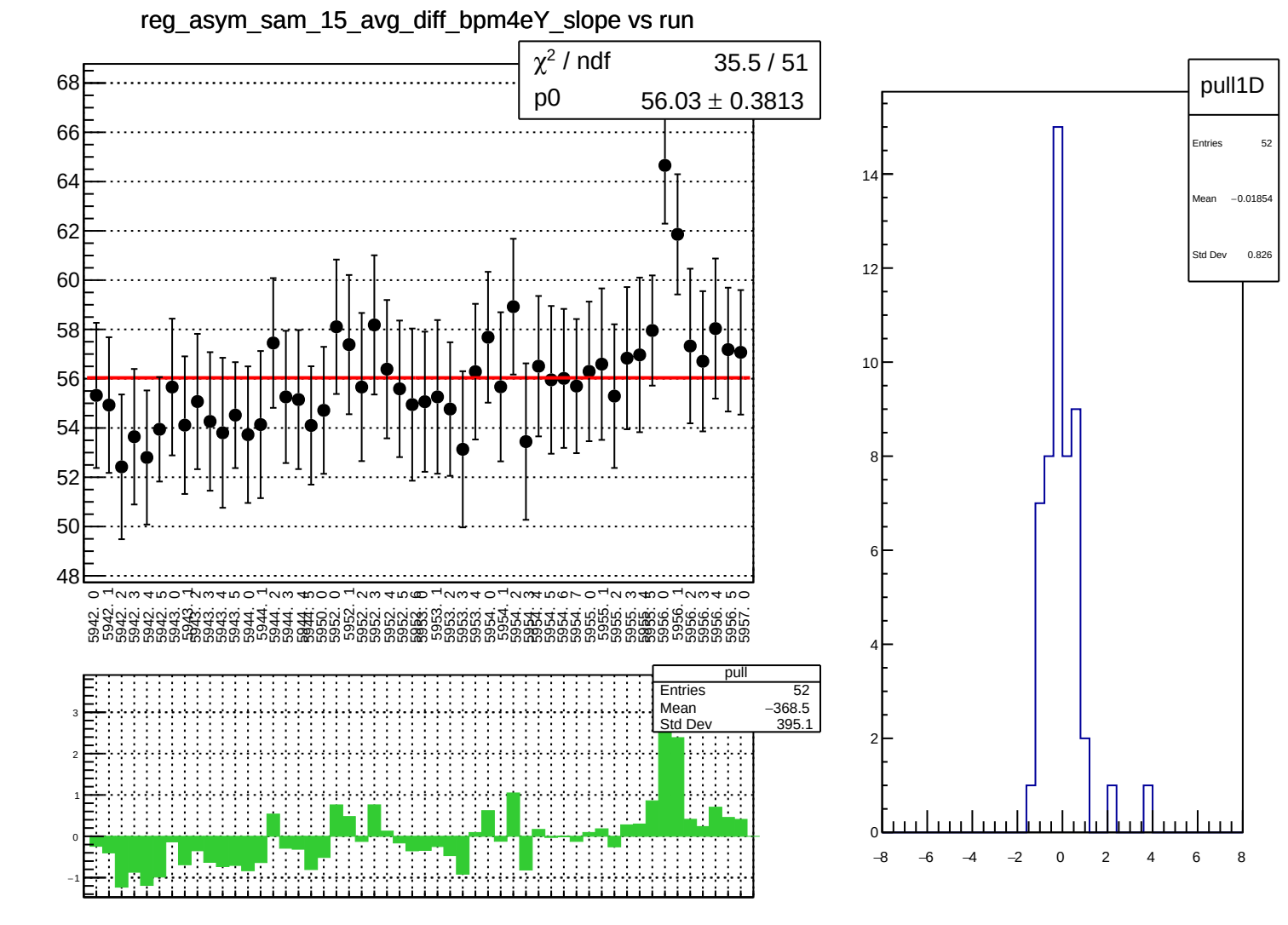

pull1D
Entries 52
Mean −0.01582
Std Dev 0.652

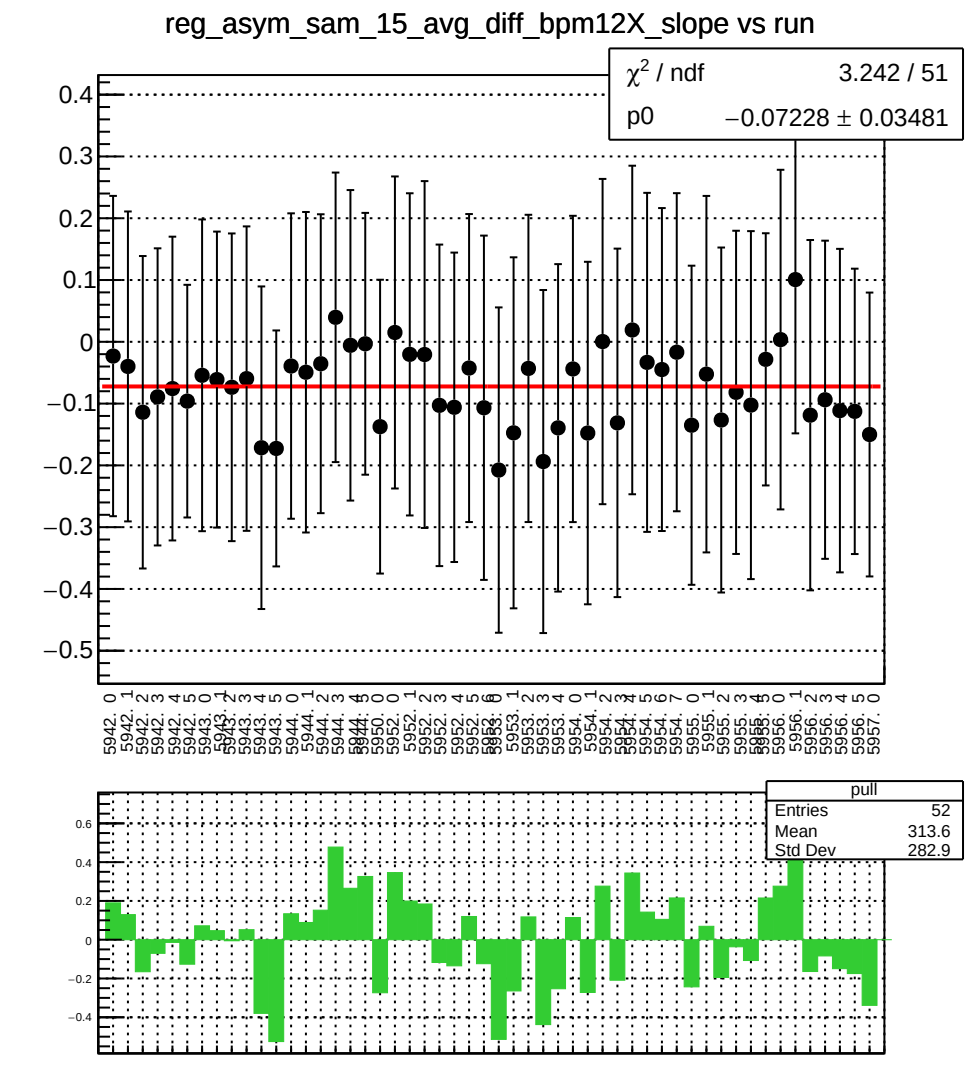

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.007 / 51
p0 −4.514 ± 0.7897
pull
Entries 52
Mean 463.3
Std Dev 435.9

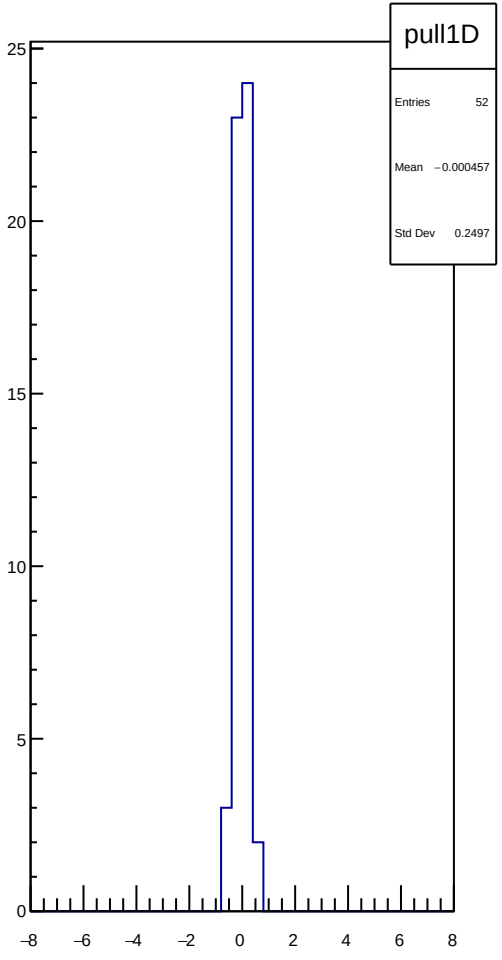

pull1D
Entries 52
Mean 0.006985
Std Dev 0.2775

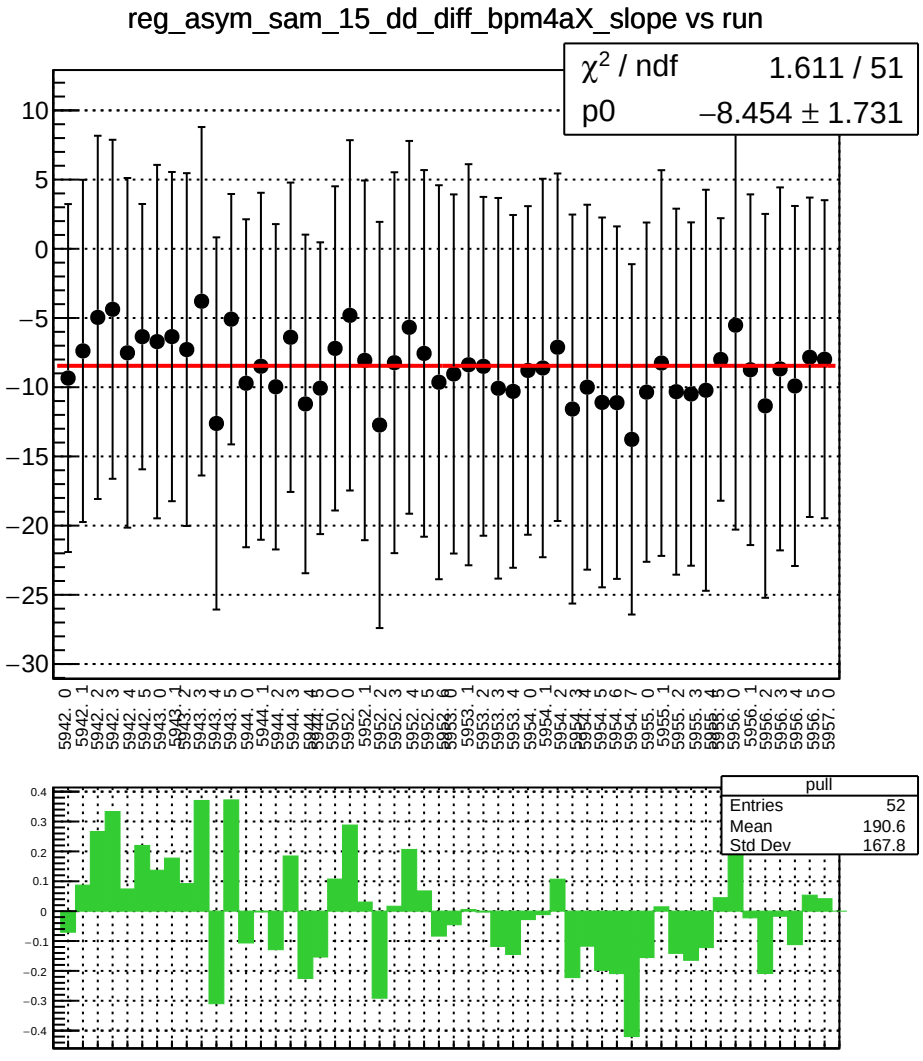

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.33 / 51
p0 −1.279 ± 0.293
pull
Entries 52
Mean −136.3
Std Dev 162.2
pull1D
Entries 52
Mean 0.02079
Std Dev 0.7112

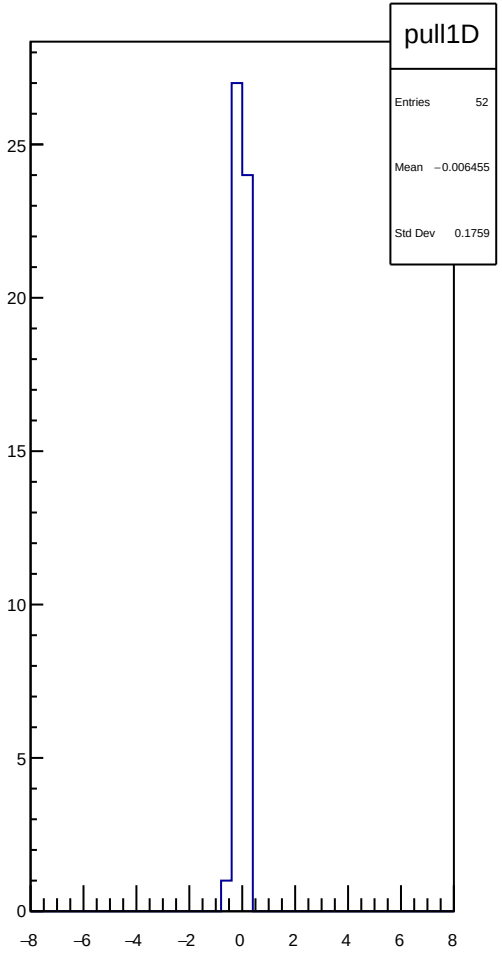

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.021 / 51
p0 −0.3606 ± 0.8381
pull
Entries 52
Mean −126.4
Std Dev 168.5
pull1D
Entries 52
Mean 0.003286
Std Dev 0.241

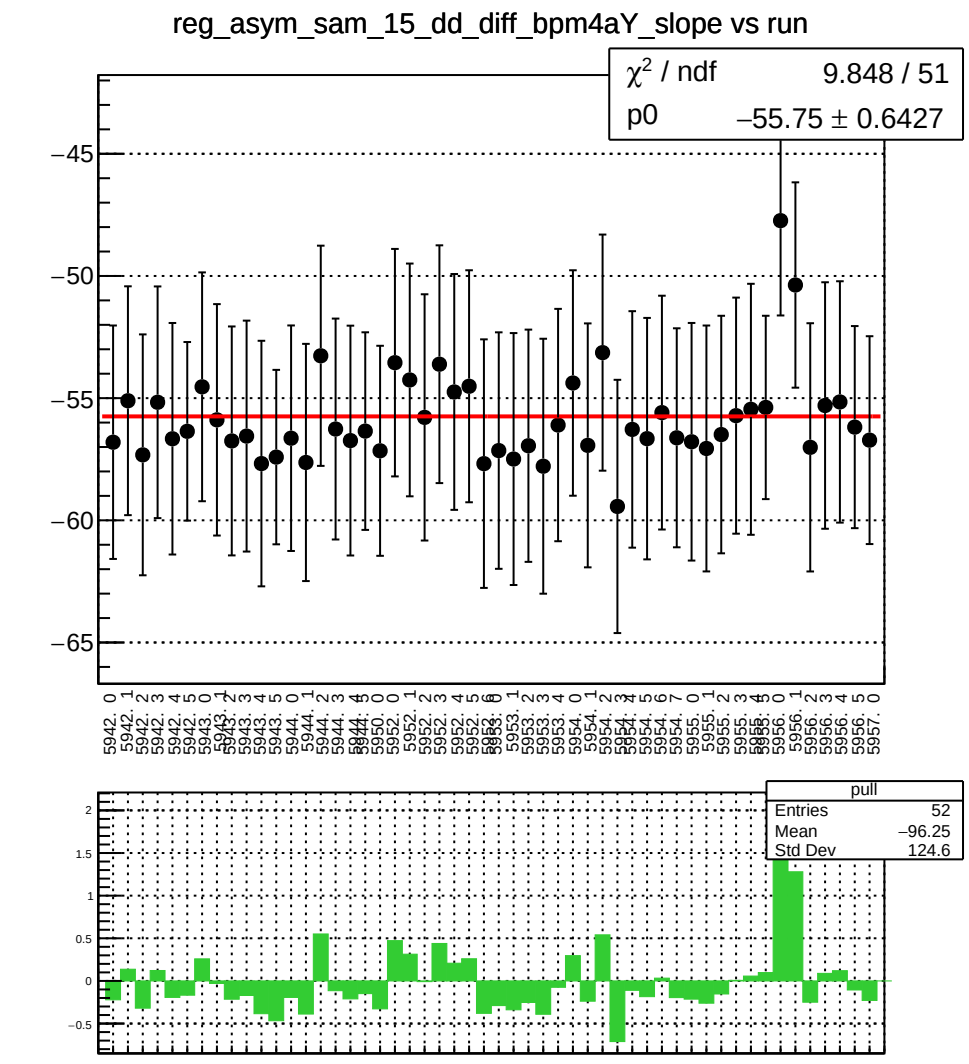

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.5 / 51
p0 56.03 ± 0.3813
pull
Entries 52
Mean −368.5
Std Dev 395.1
pull1D
Entries 52
Mean −0.01854
Std Dev 0.826

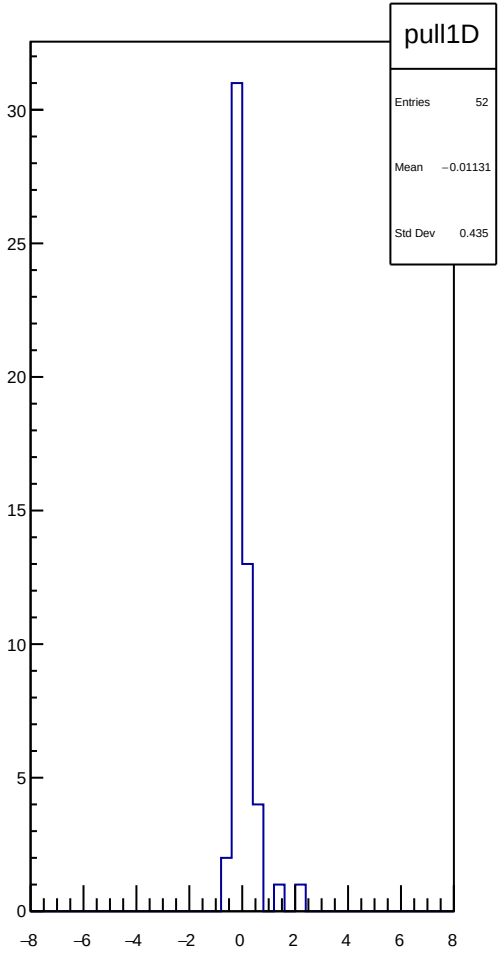

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 3.242 / 51
p0 −0.07228 ± 0.03481
pull
Entries 52
Mean 313.6
Std Dev 282.9

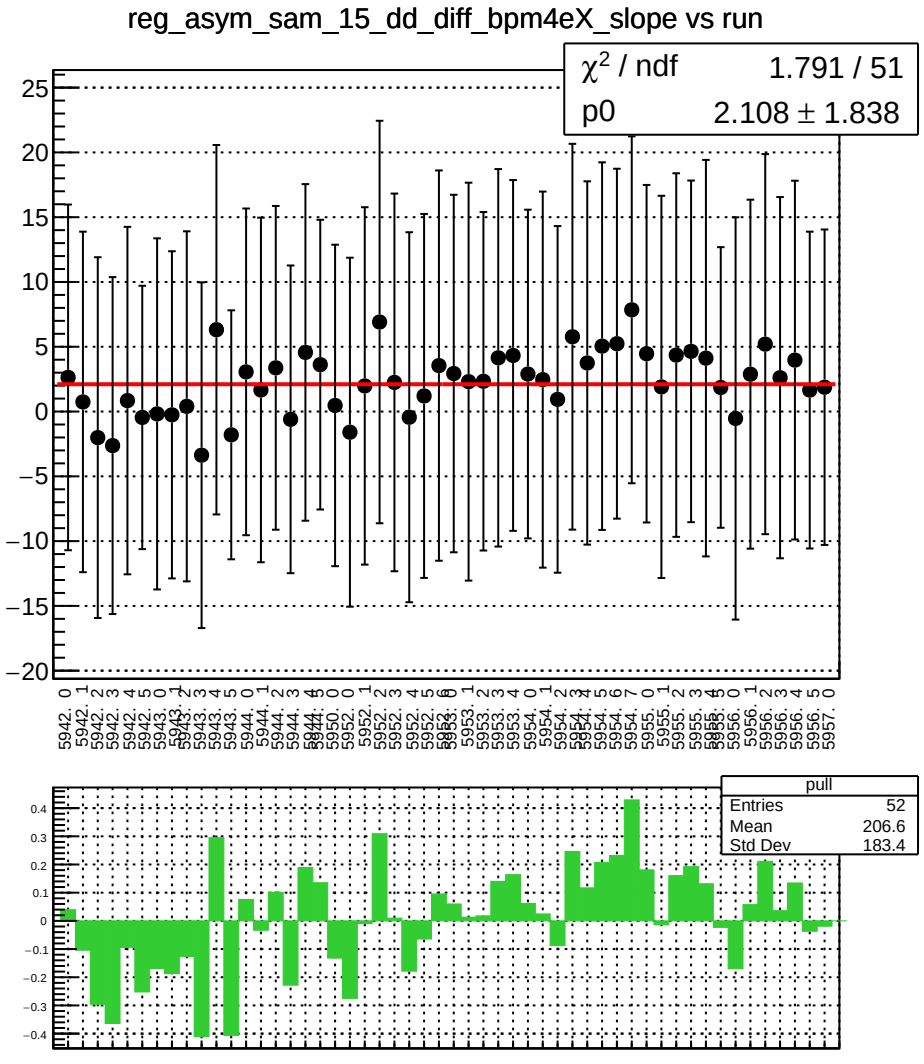

pull1D
Entries 52
Mean −0.000457
Std Dev 0.2497

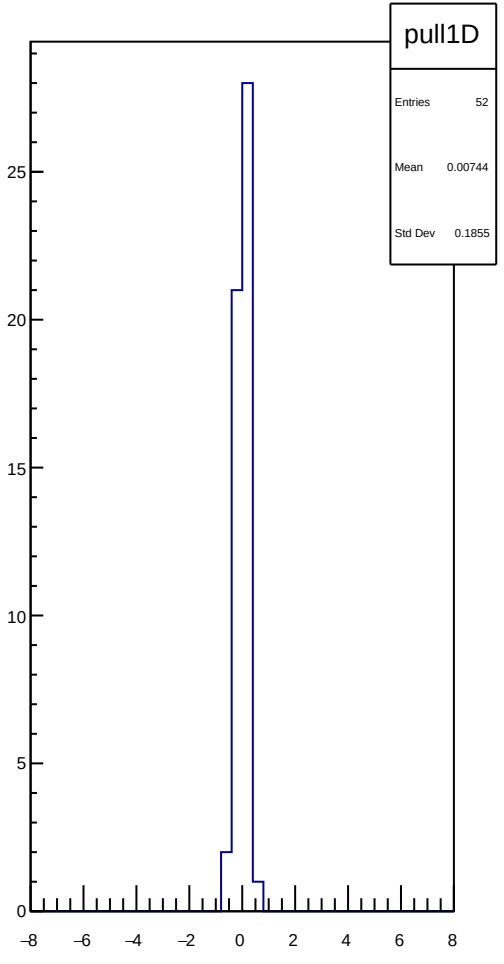

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.611 / 51
p0 −8.454 ± 1.731
pull
Entries 52
Mean 190.6
Std Dev 167.8

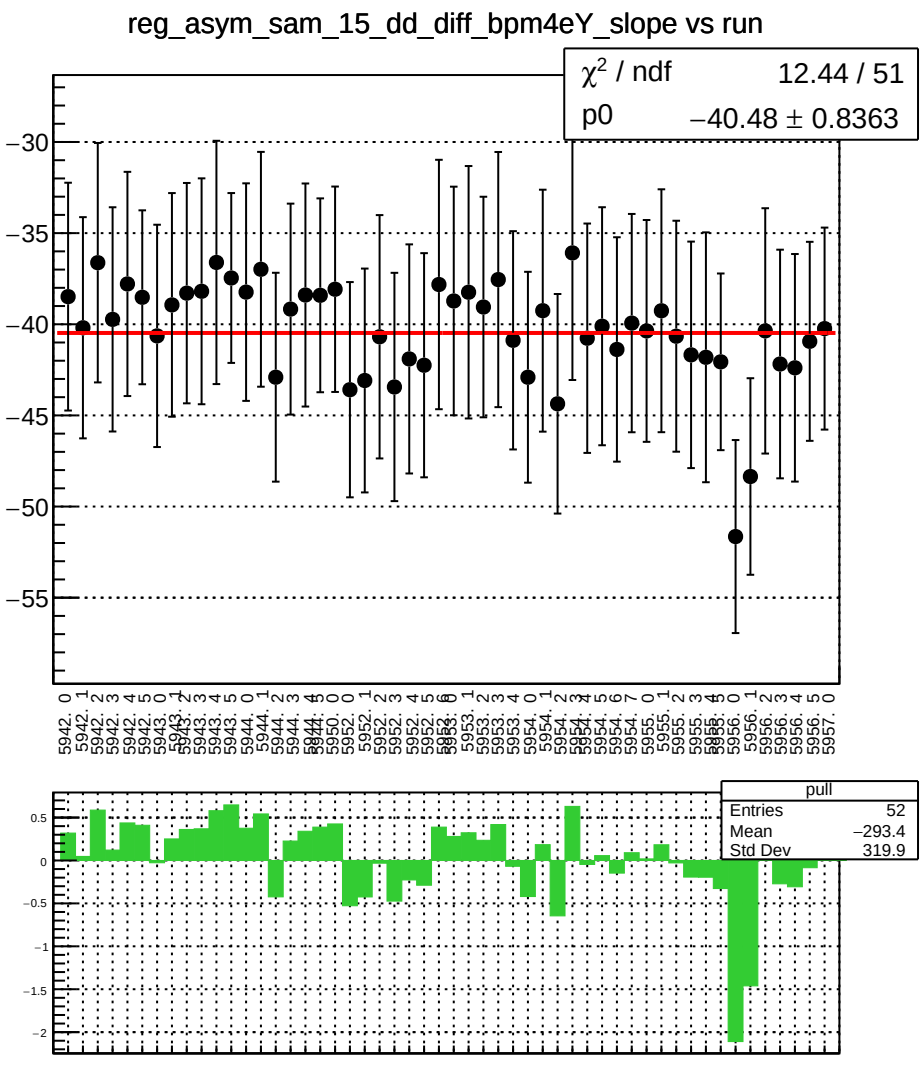

pull1D
Entries 52
Mean −0.006455
Std Dev 0.1759

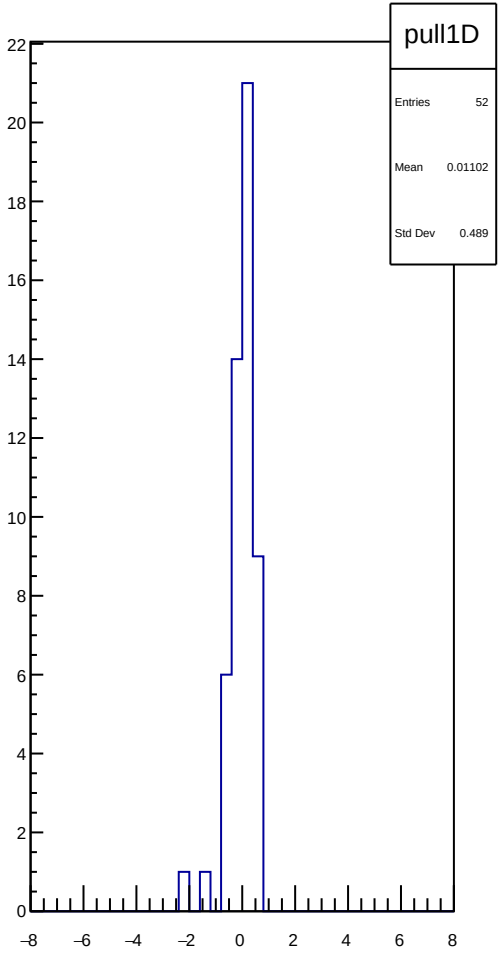

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.848 / 51
p0 −55.75 ± 0.6427
pull
Entries 52
Mean −96.25
Std Dev 124.6

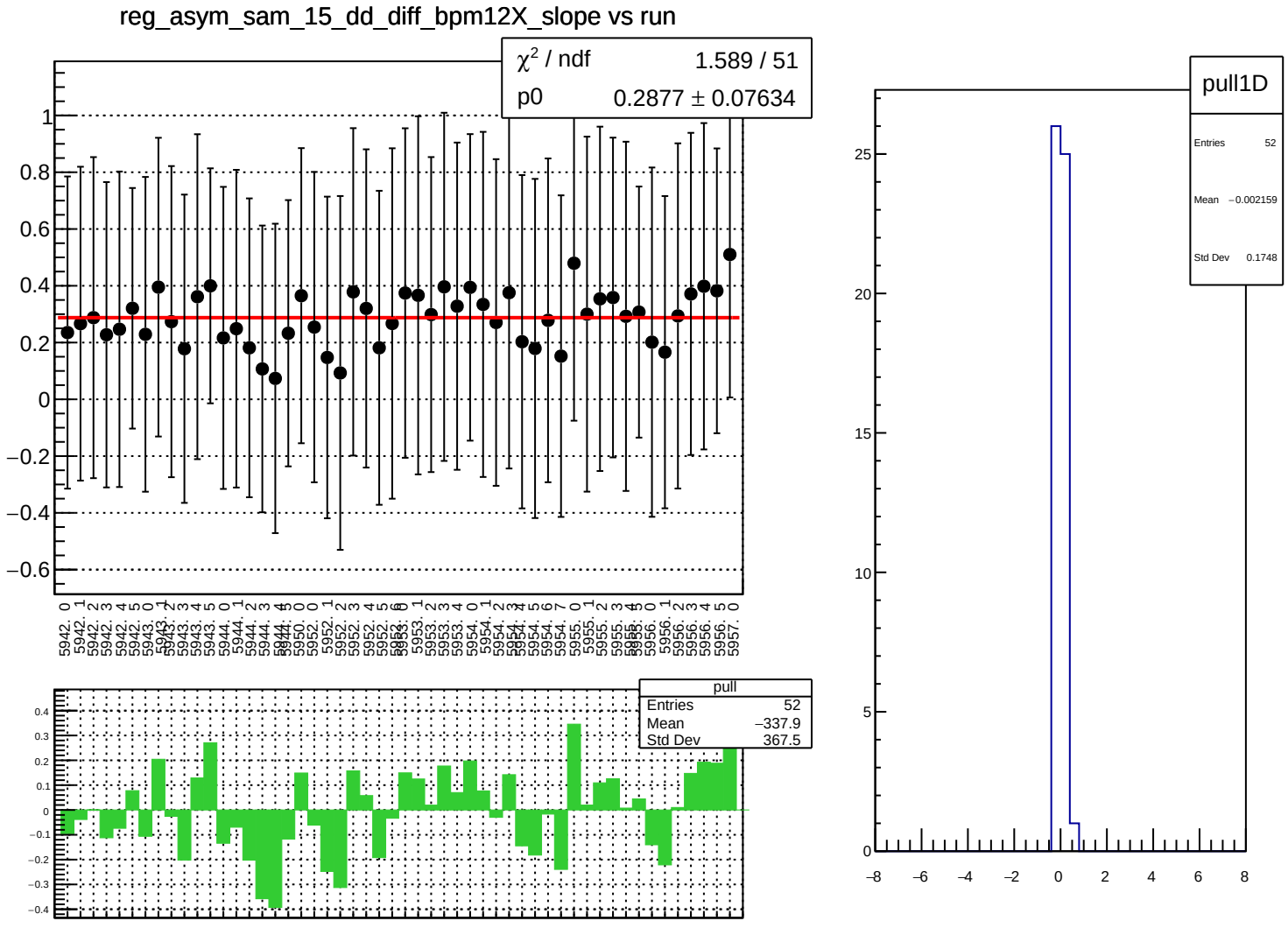

pull1D
Entries 52
Mean −0.01131
Std Dev 0.435

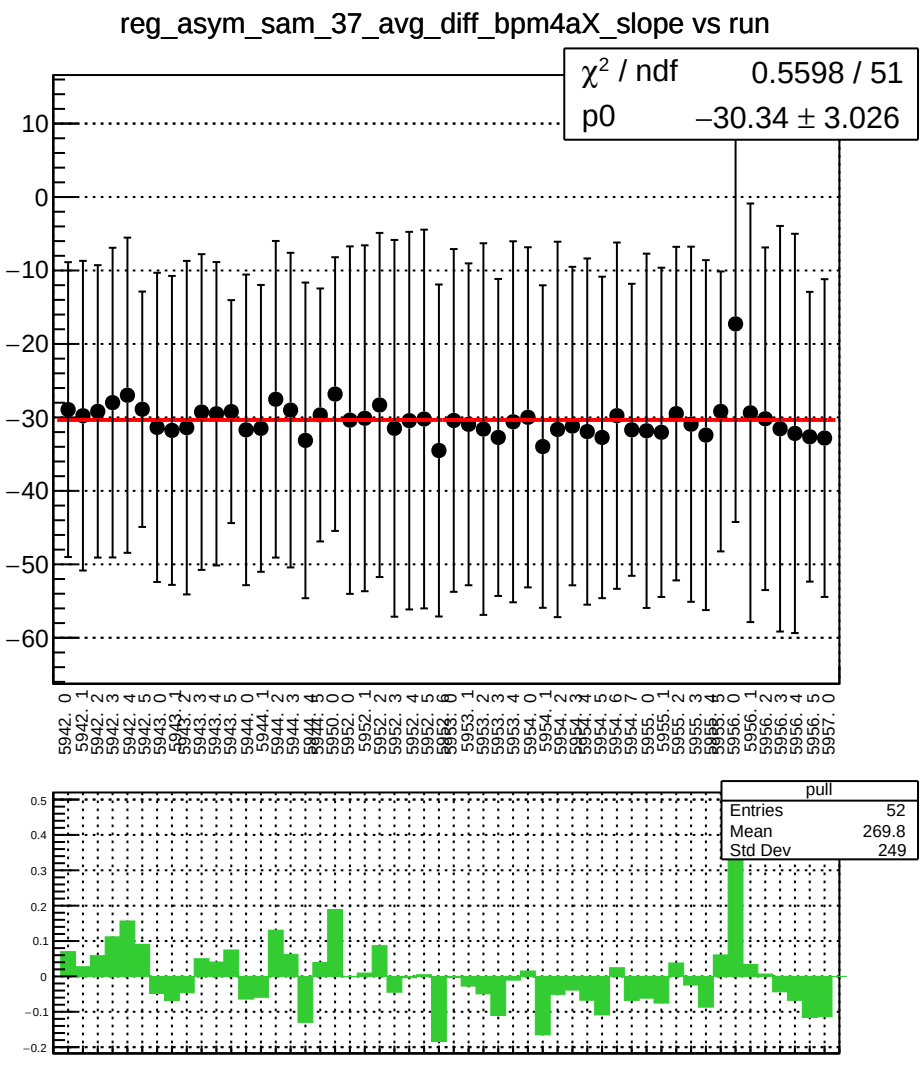

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.791 / 51
p0 2.108 ± 1.838
pull
Entries 52
Mean 206.6
Std Dev 183.4

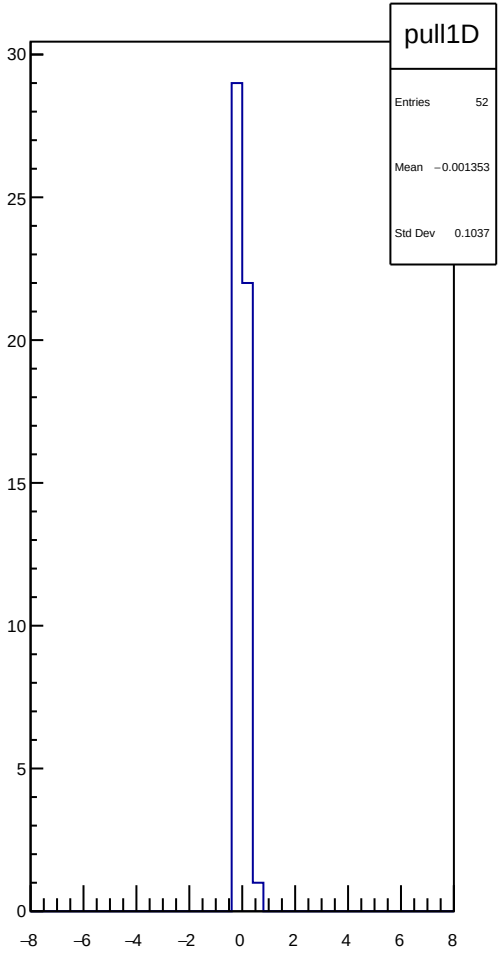

pull1D
Entries 52
Mean 0.00744
Std Dev 0.1855

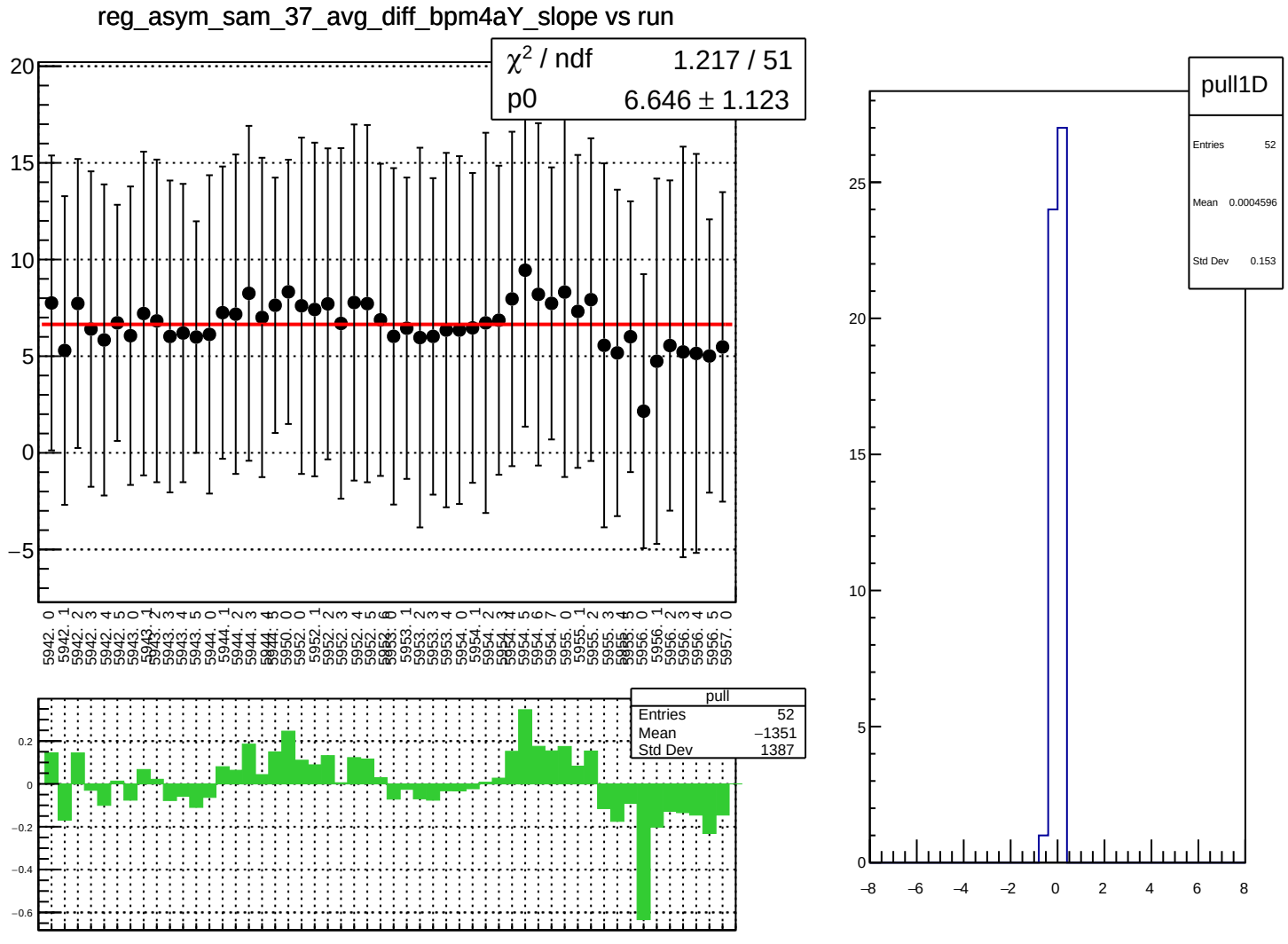

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.44 / 51
p0 −40.48 ± 0.8363
pull
Entries 52
Mean −293.4
Std Dev 319.9

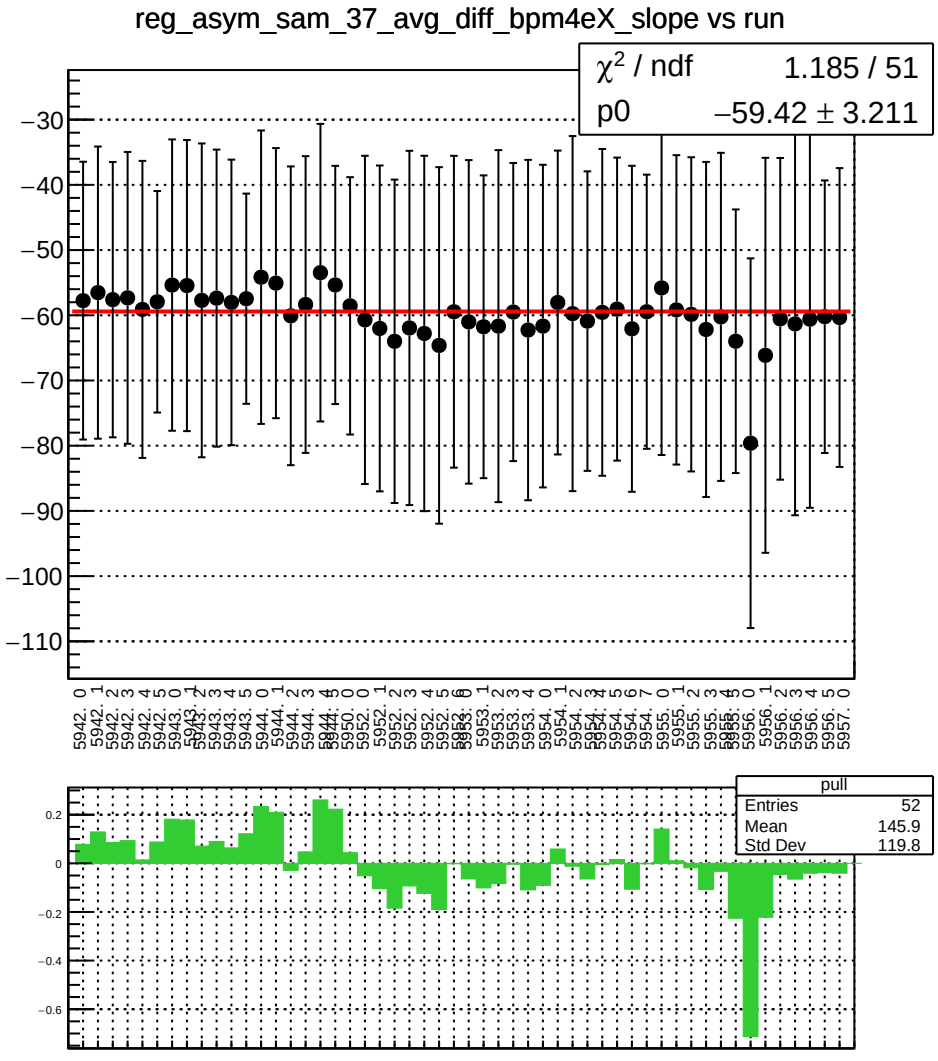

pull1D
Entries 52
Mean 0.01102
Std Dev 0.489

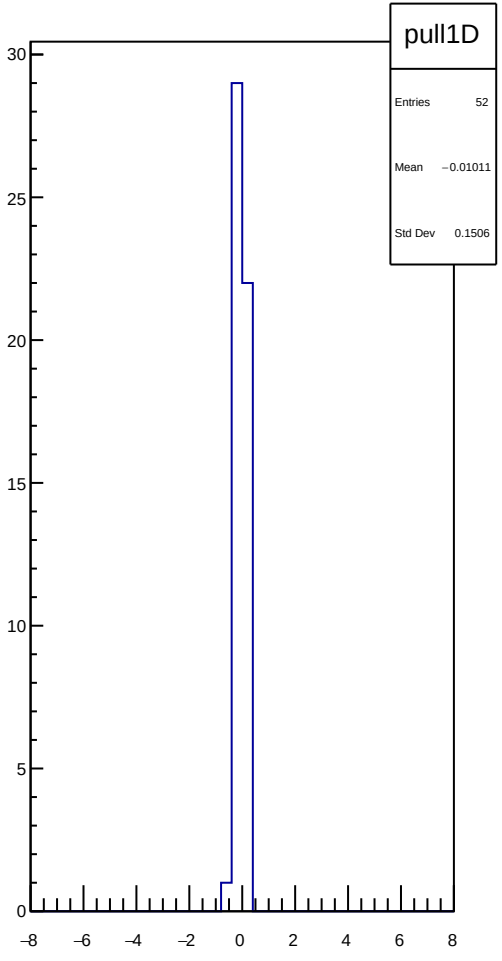

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 1.589 / 51
p0 0.2877 ± 0.07634
pull
Entries 52
Mean −337.9
Std Dev 367.5
pull1D
Entries 52
Mean −0.002159
Std Dev 0.1748

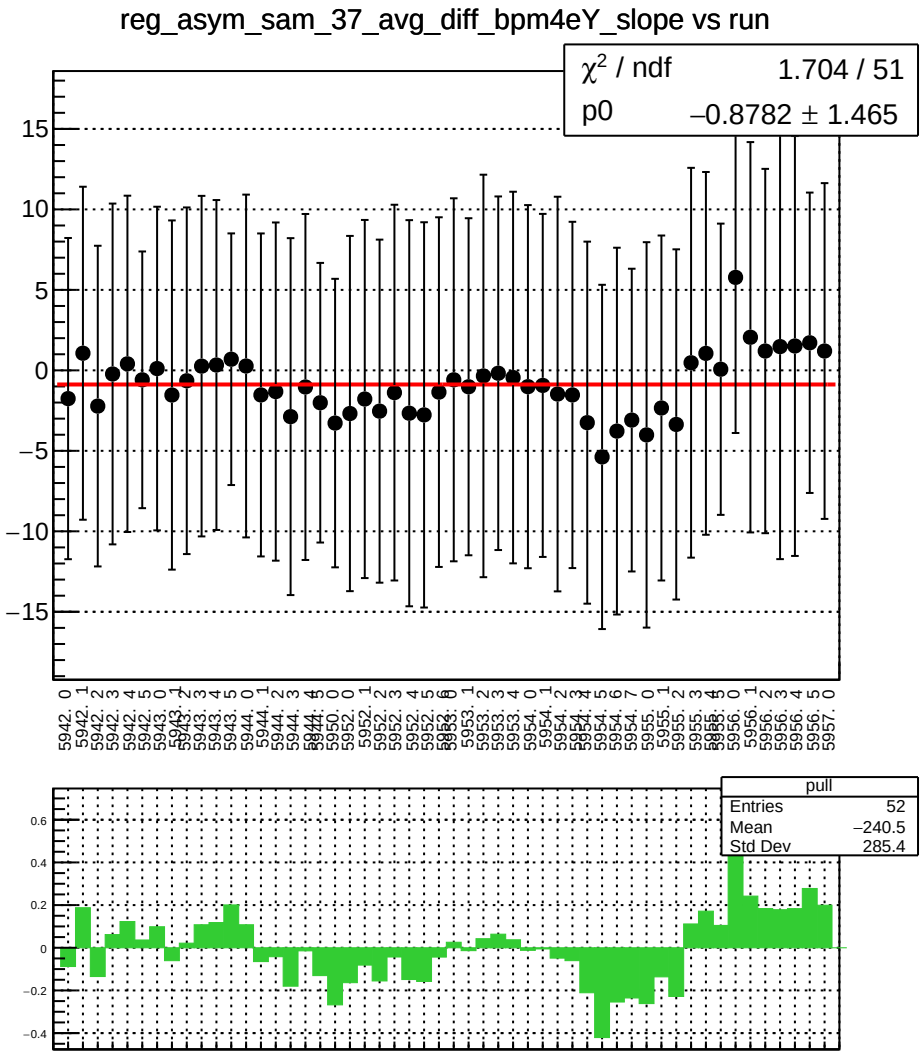

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.5598 / 51
p0 −30.34 ± 3.026
pull
Entries 52
Mean 269.8
Std Dev 249

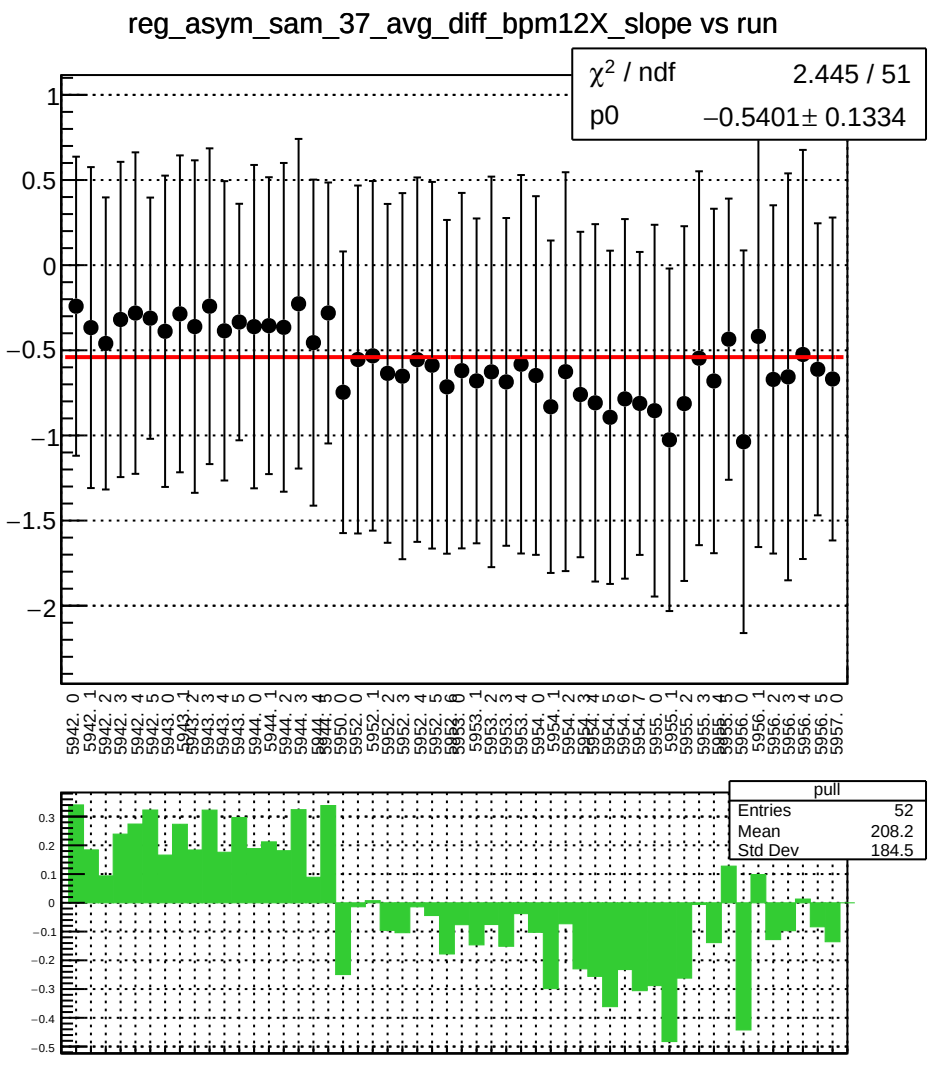

pull1D
Entries 52
Mean −0.001353
Std Dev 0.1037

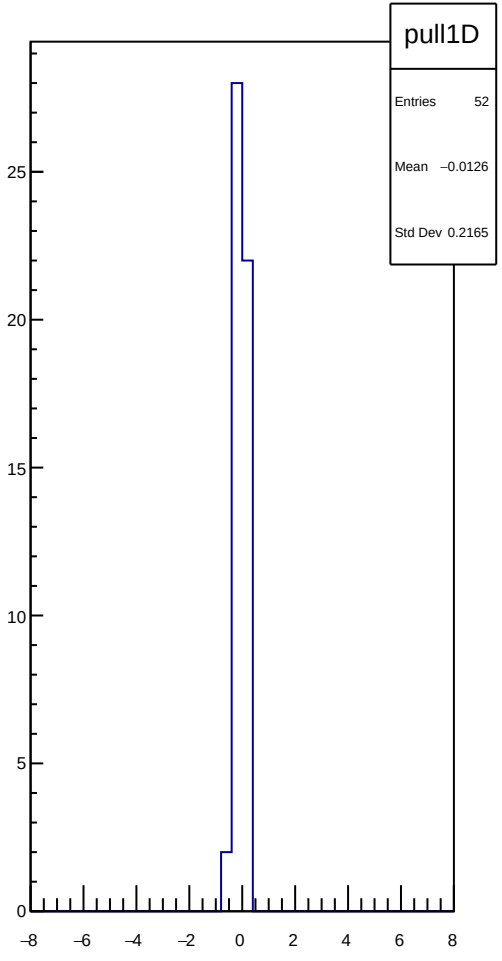

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.217 / 51
p0 6.646 ± 1.123
pull
Entries 52
Mean −1351
Std Dev 1387
pull1D
Entries 52
Mean 0.0004596
Std Dev 0.153

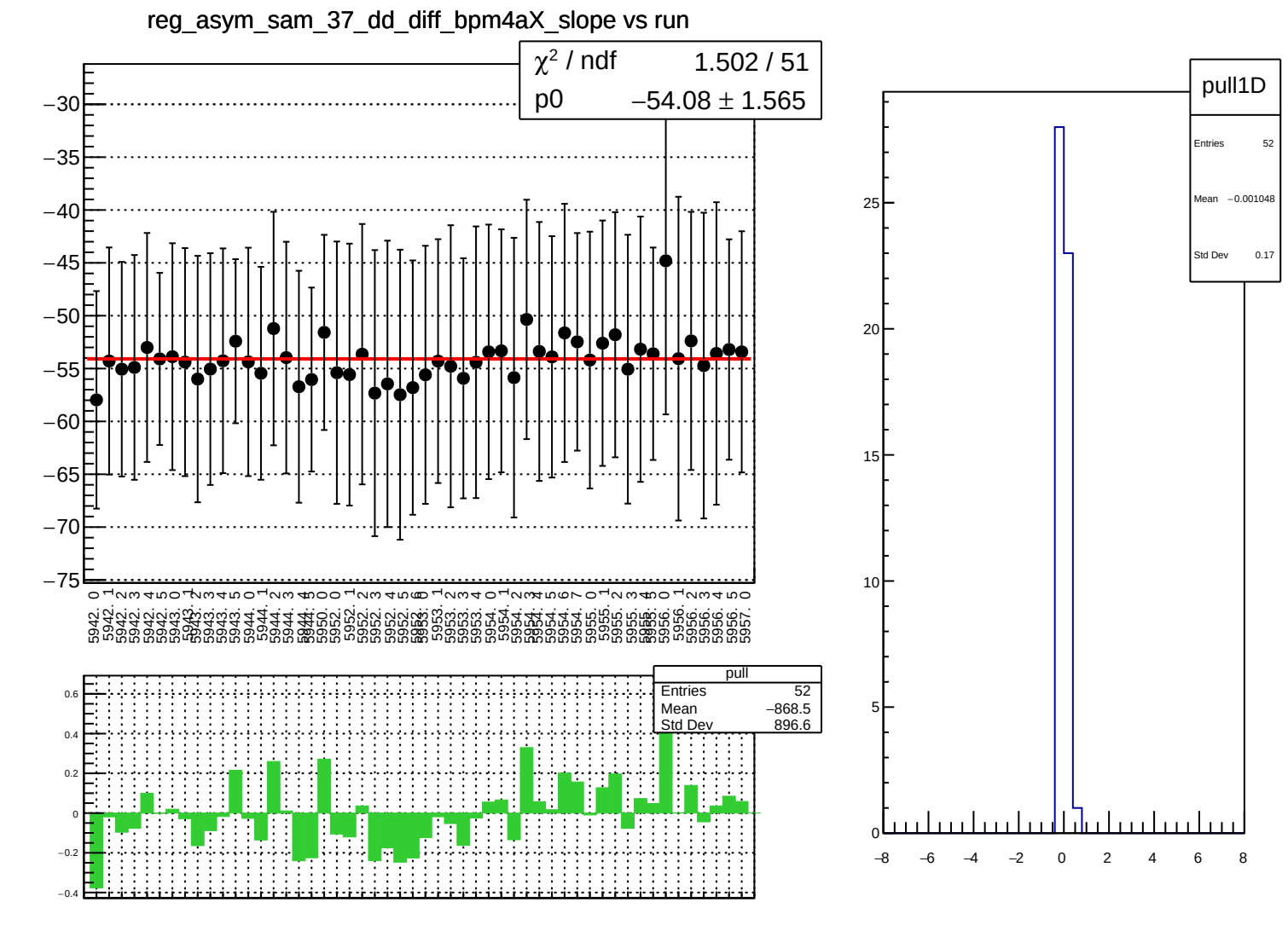

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.185 / 51
p0 −59.42 ± 3.211
pull
Entries 52
Mean 145.9
Std Dev 119.8

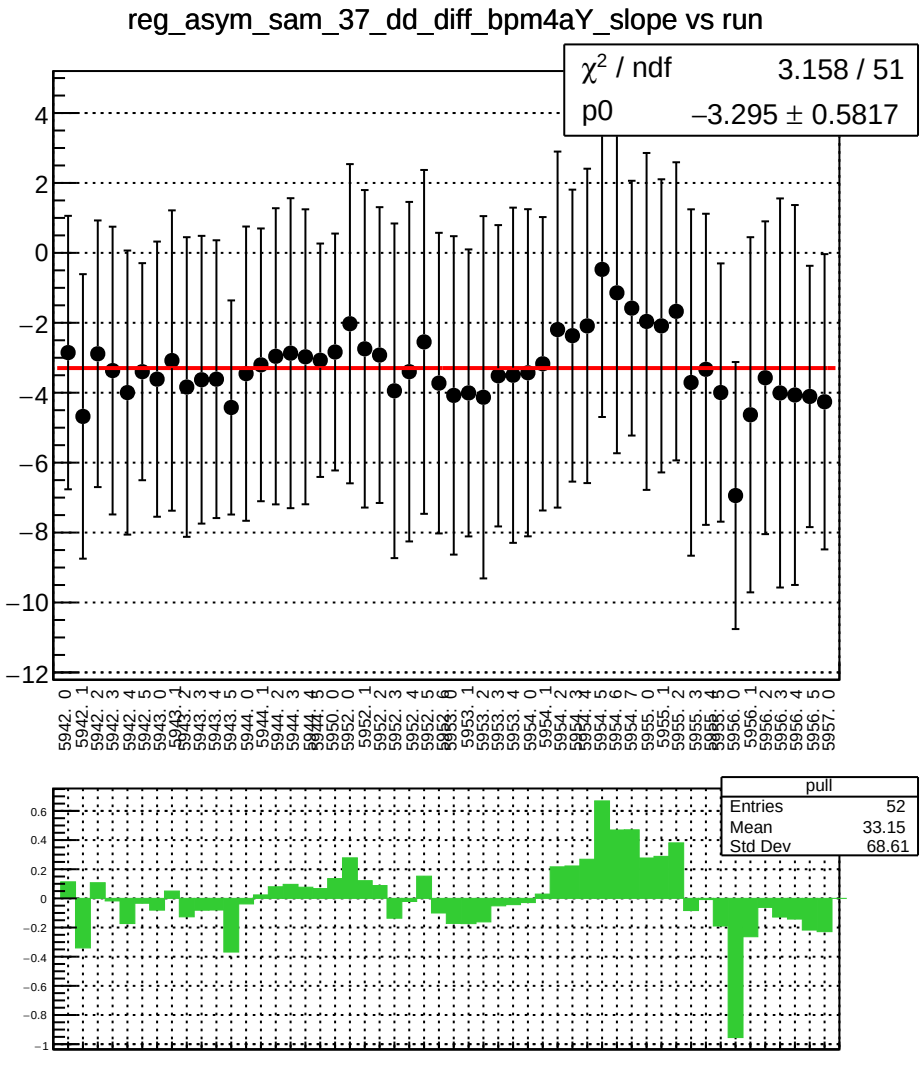

pull1D
Entries 52
Mean −0.01011
Std Dev 0.1506

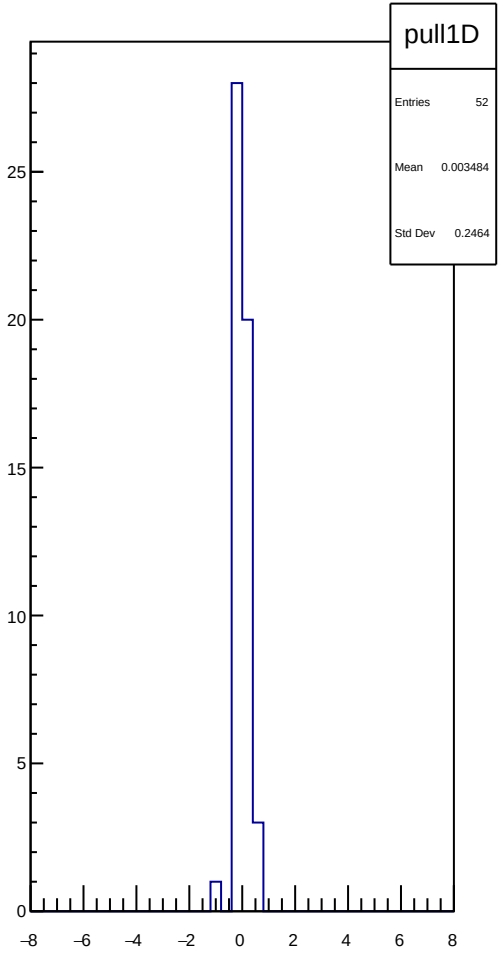

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.704 / 51
p0 −0.8782 ± 1.465
pull
Entries 52
Mean −240.5
Std Dev 285.4
pull1D
Entries 52
Mean −0.001718
Std Dev 0.181

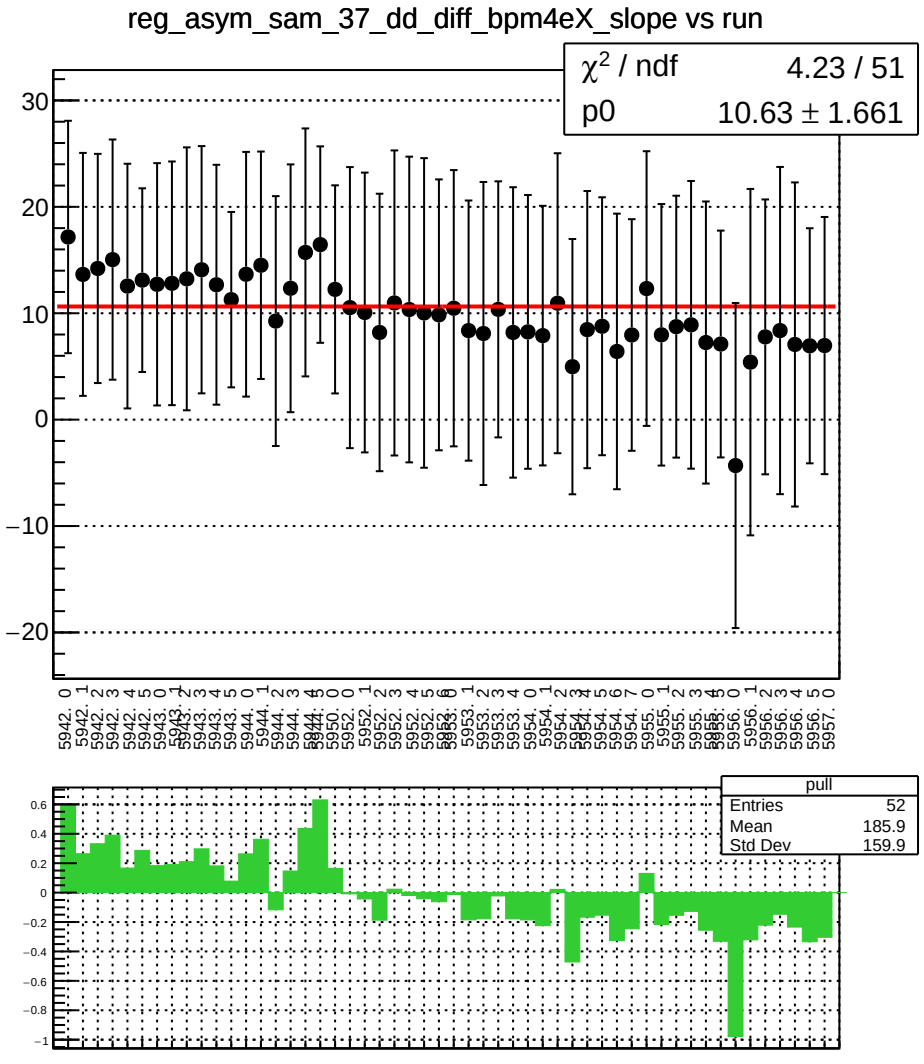

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.445 / 51
p0 −0.5401± 0.1334
pull
Entries 52
Mean 208.2
Std Dev 184.5

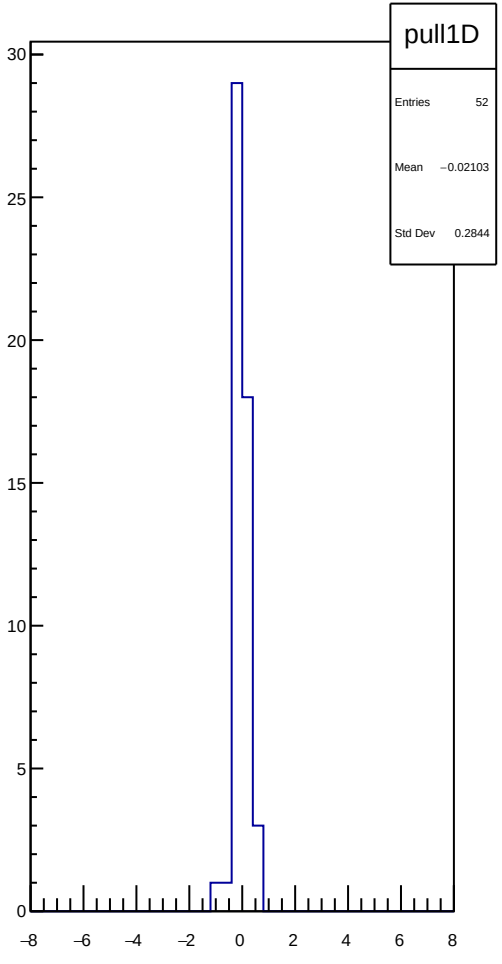

pull1D
Entries 52
Mean −0.0126
Std Dev 0.2165

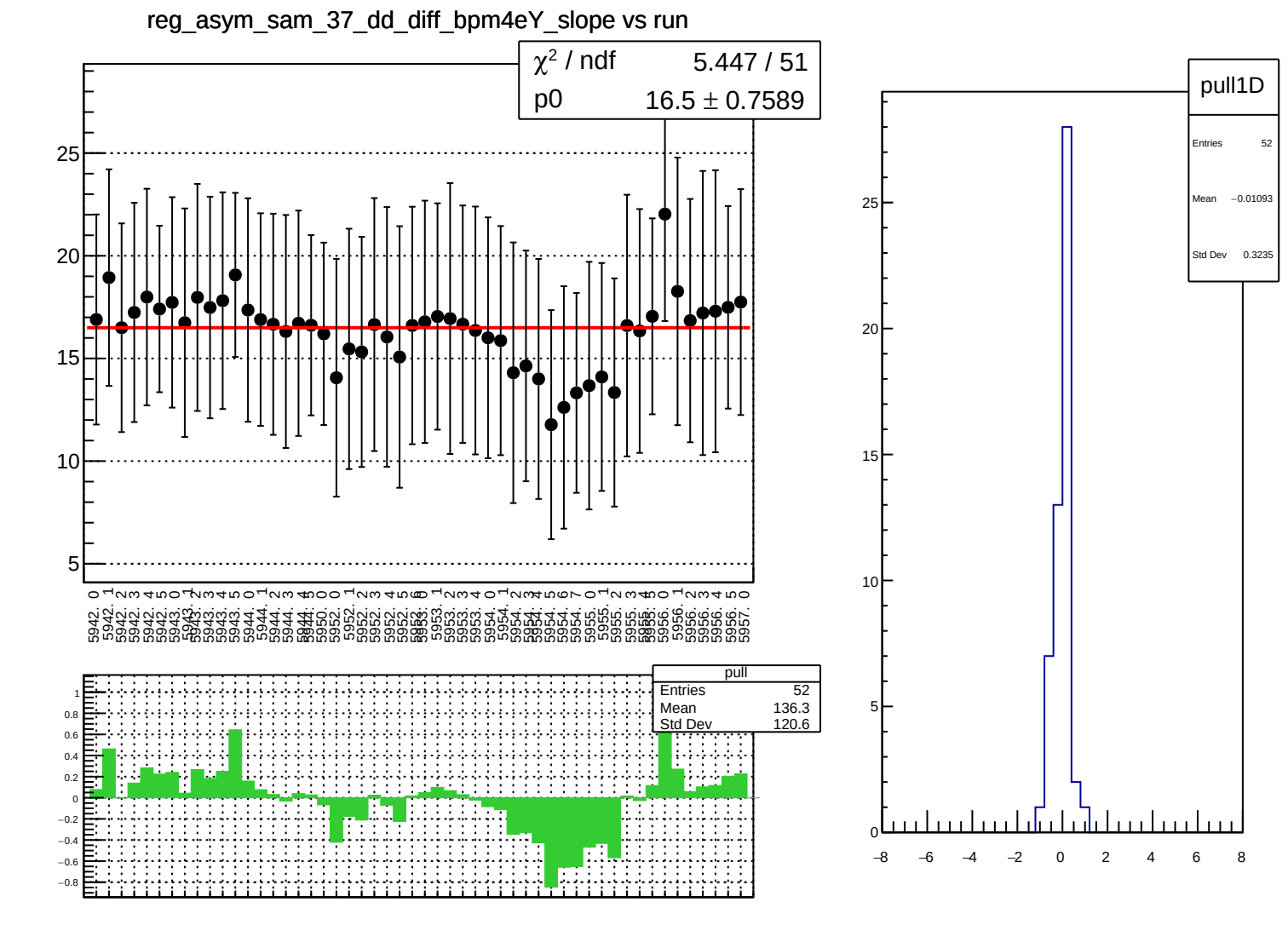

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.502 / 51
p0 −54.08 ± 1.565
pull
Entries 52
Mean −868.5
Std Dev 896.6
pull1D
Entries 52
Mean −0.001048
Std Dev 0.17

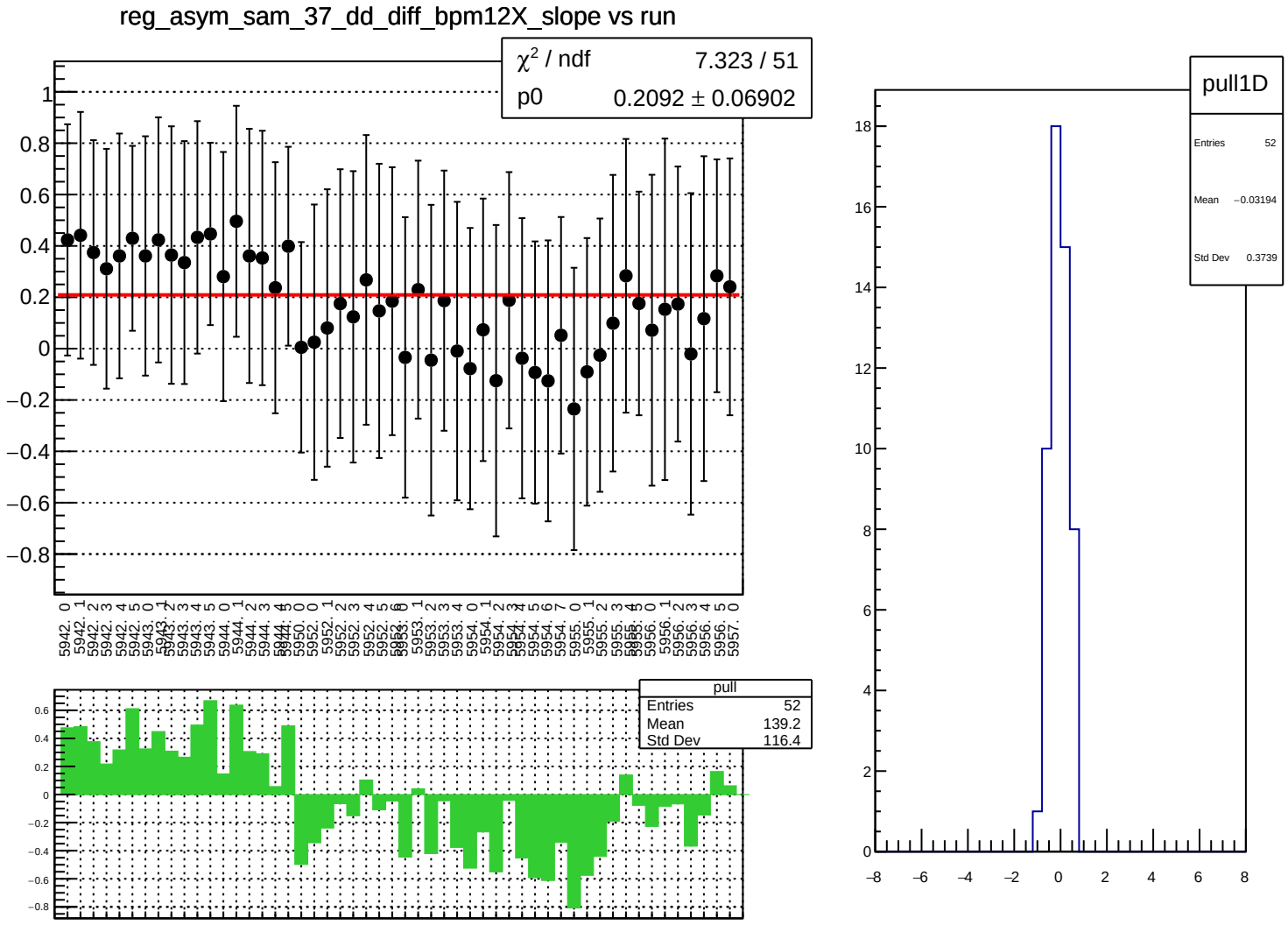

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.158 / 51
p0 −3.295 ± 0.5817
pull
Entries 52
Mean 33.15
Std Dev 68.61

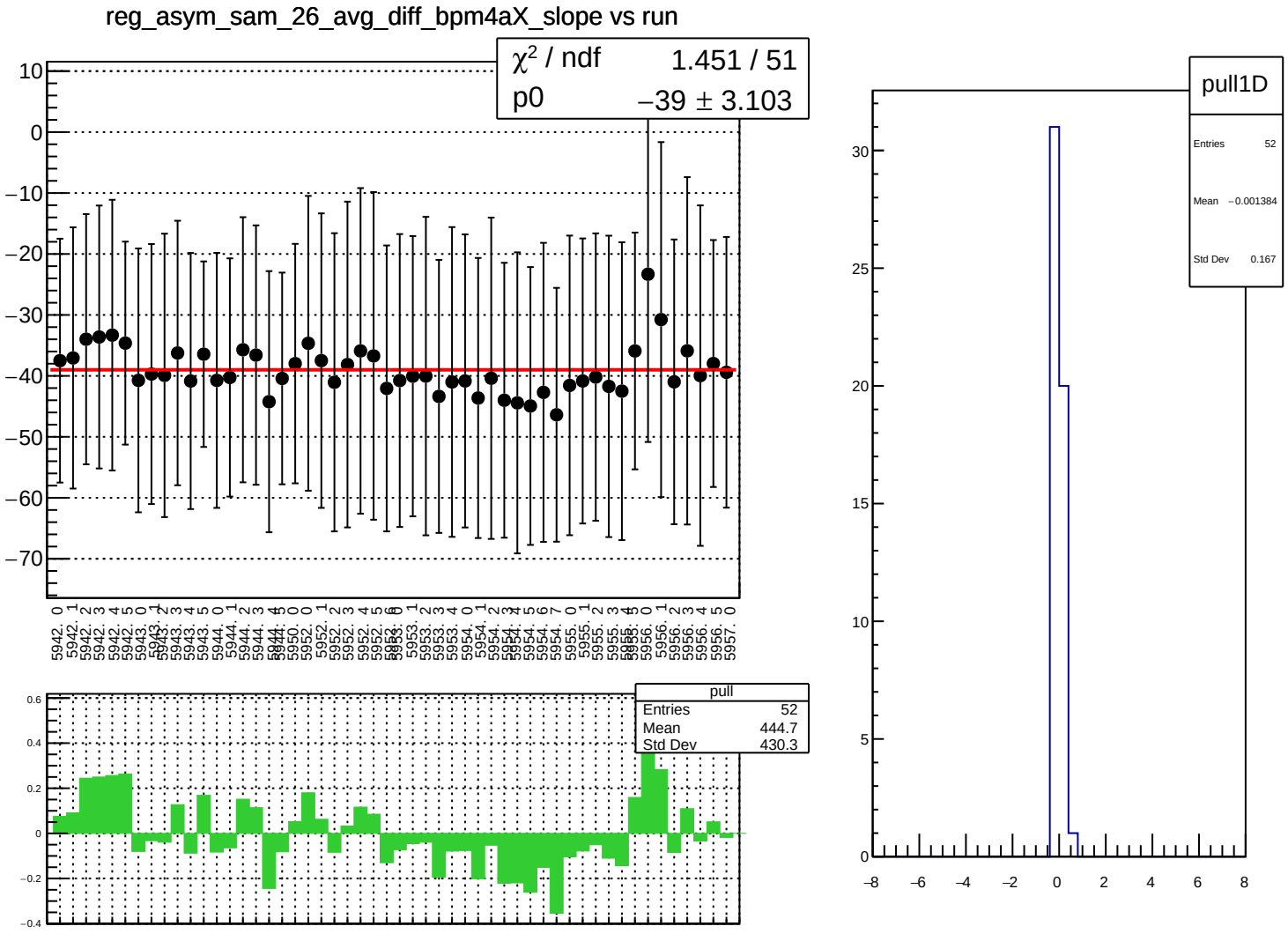

pull1D
Entries 52
Mean 0.003484
Std Dev 0.2464

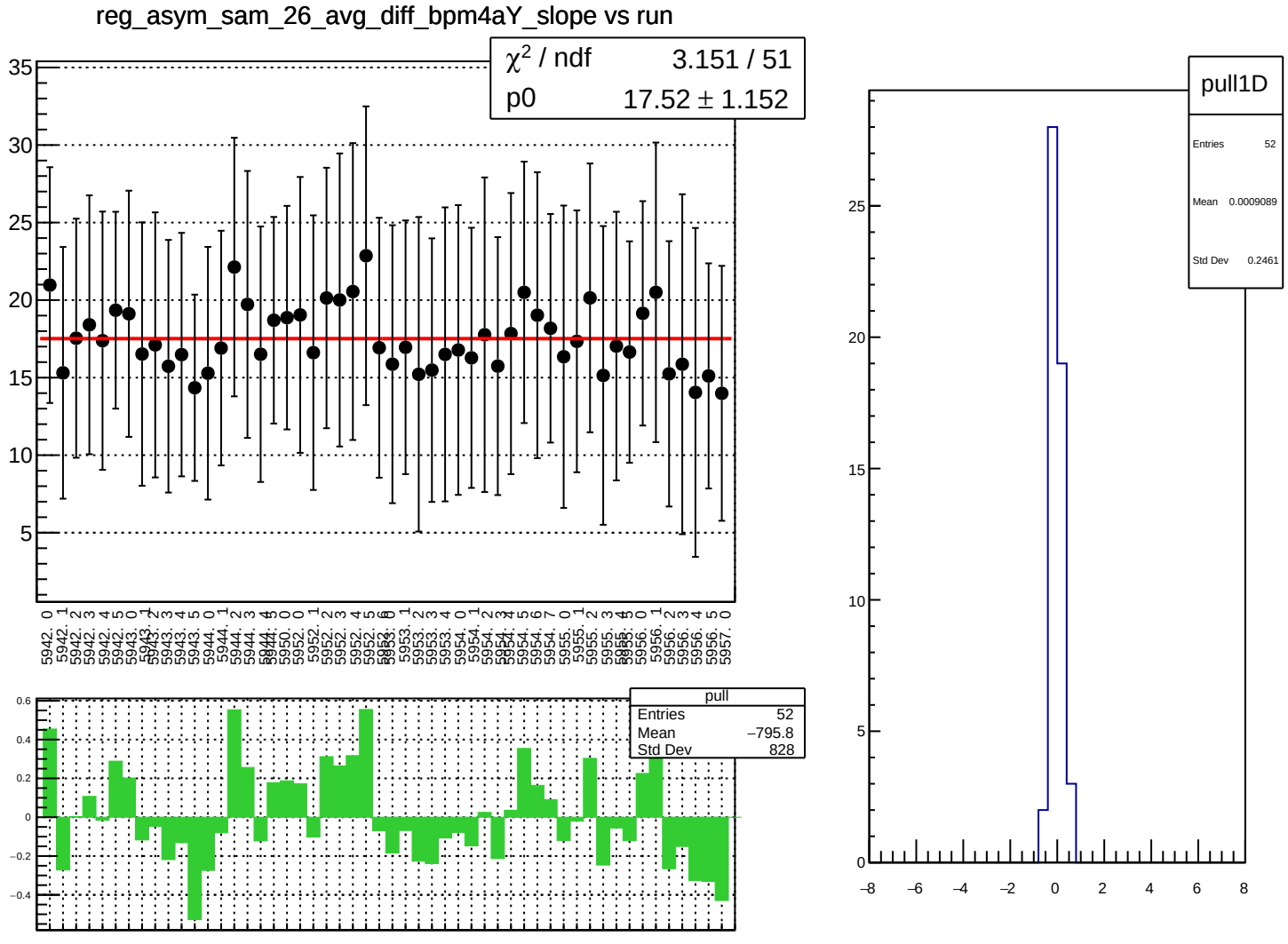

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.23 / 51
p0 10.63 ± 1.661
pull
Entries 52
Mean 185.9
Std Dev 159.9

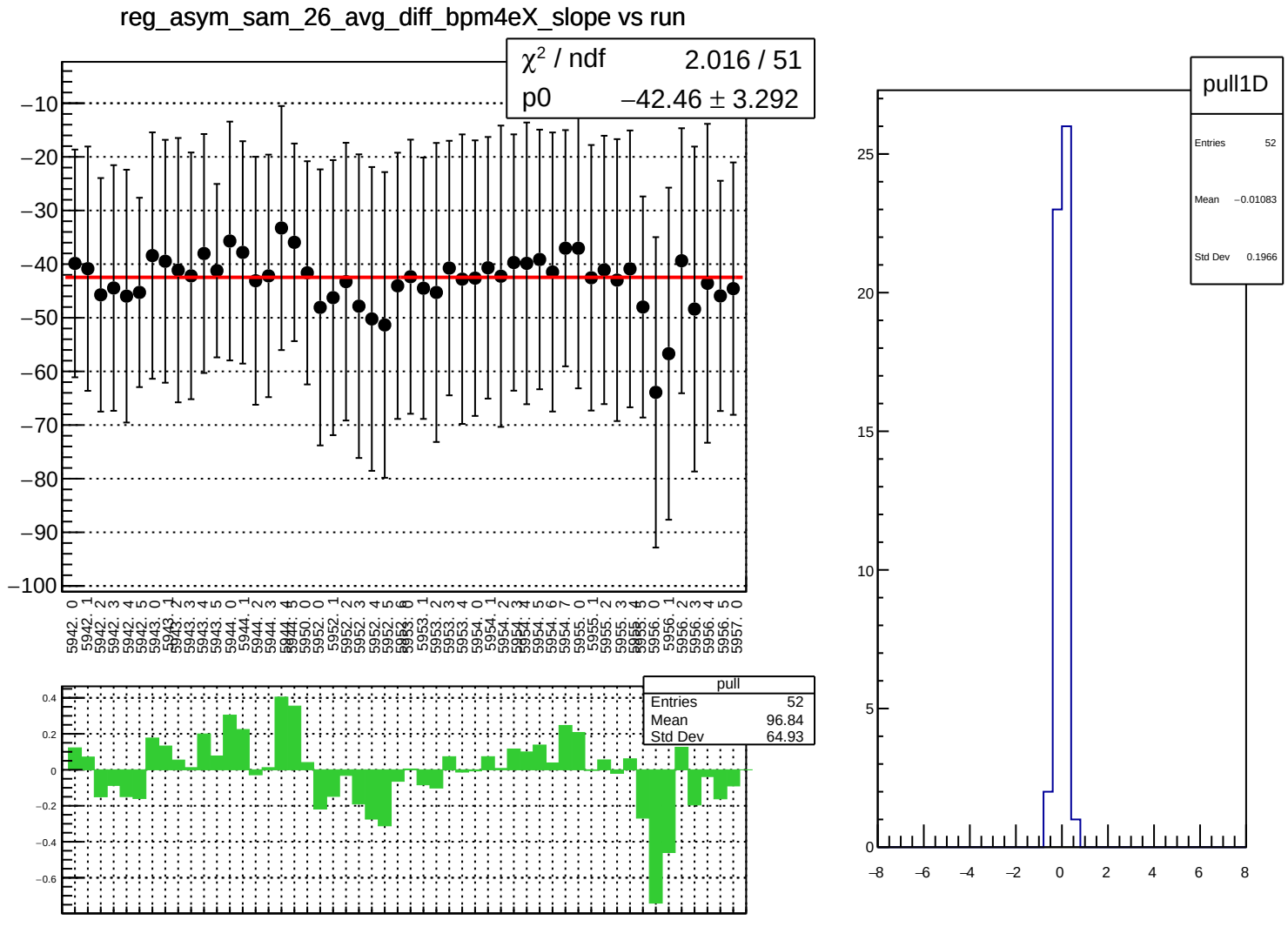

pull1D
Entries 52
Mean −0.02103
Std Dev 0.2844

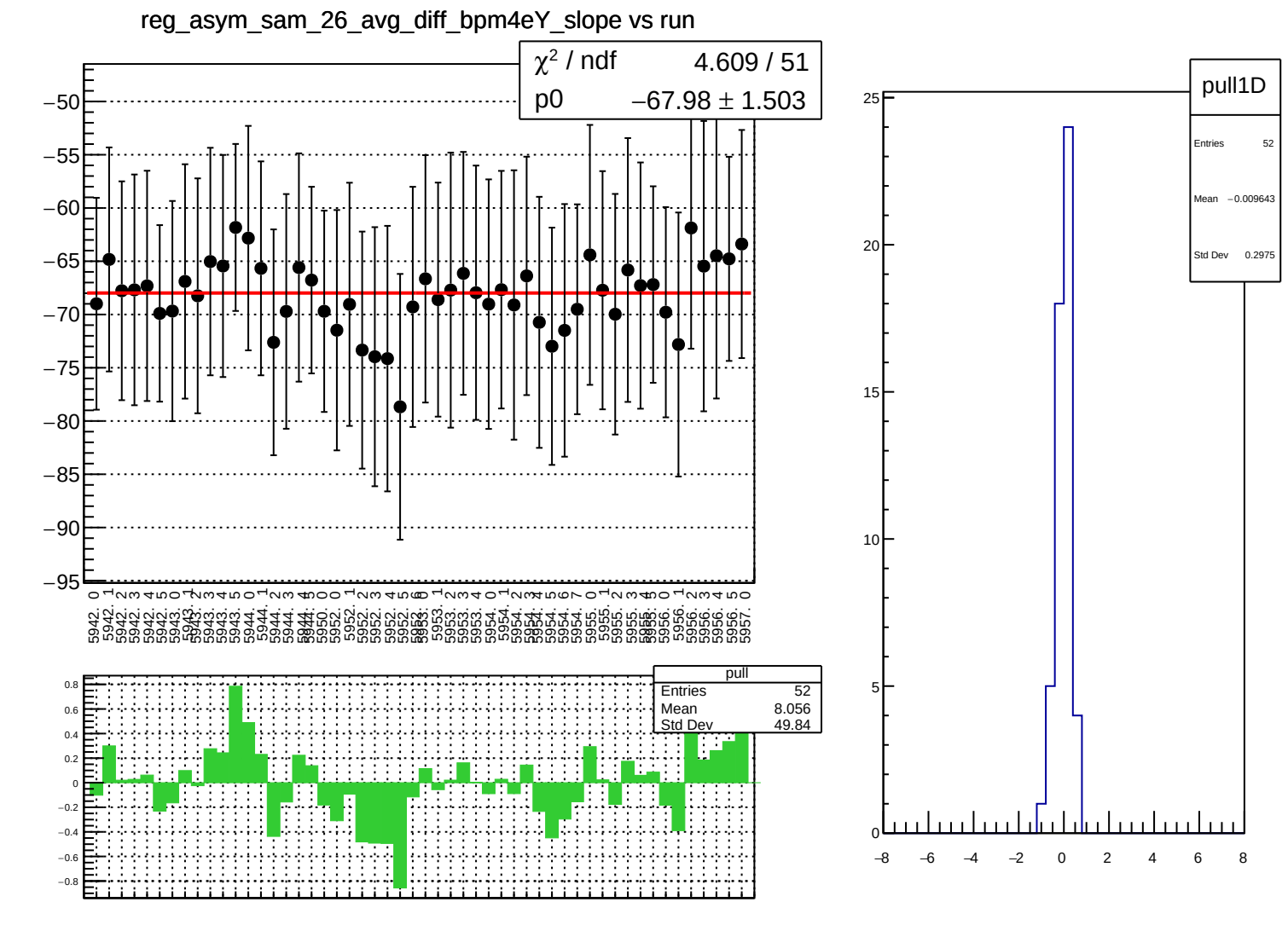

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.447 / 51
p0 16.5 ± 0.7589
pull
Entries 52
Mean 136.3
Std Dev 120.6
pull1D
Entries 52
Mean −0.01093
Std Dev 0.3235

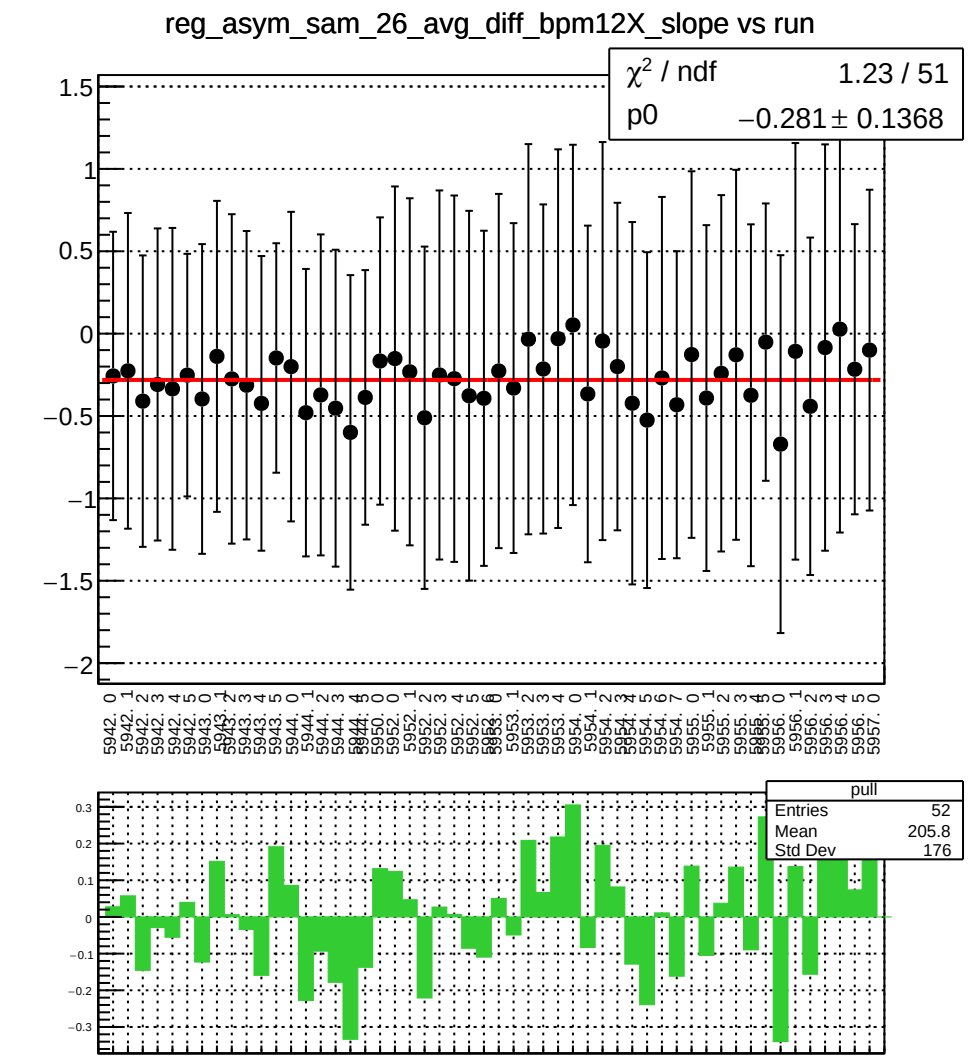

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.323 / 51
p0 0.2092 ± 0.06902
pull
Entries 52
Mean 139.2
Std Dev 116.4
pull1D
Entries 52
Mean −0.03194
Std Dev 0.3739

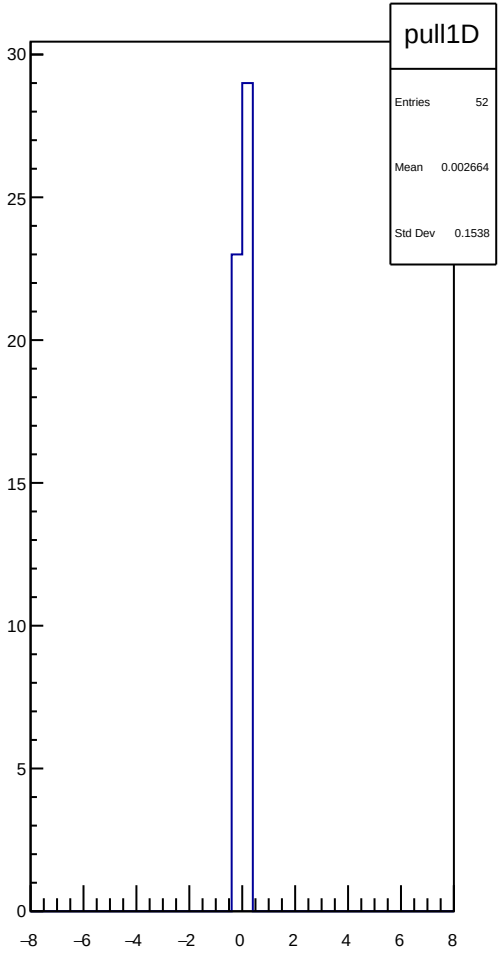

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.451 / 51
p0 −39 ± 3.103
pull
Entries 52
Mean 444.7
Std Dev 430.3
pull1D
Entries 52
Mean −0.001384
Std Dev 0.167

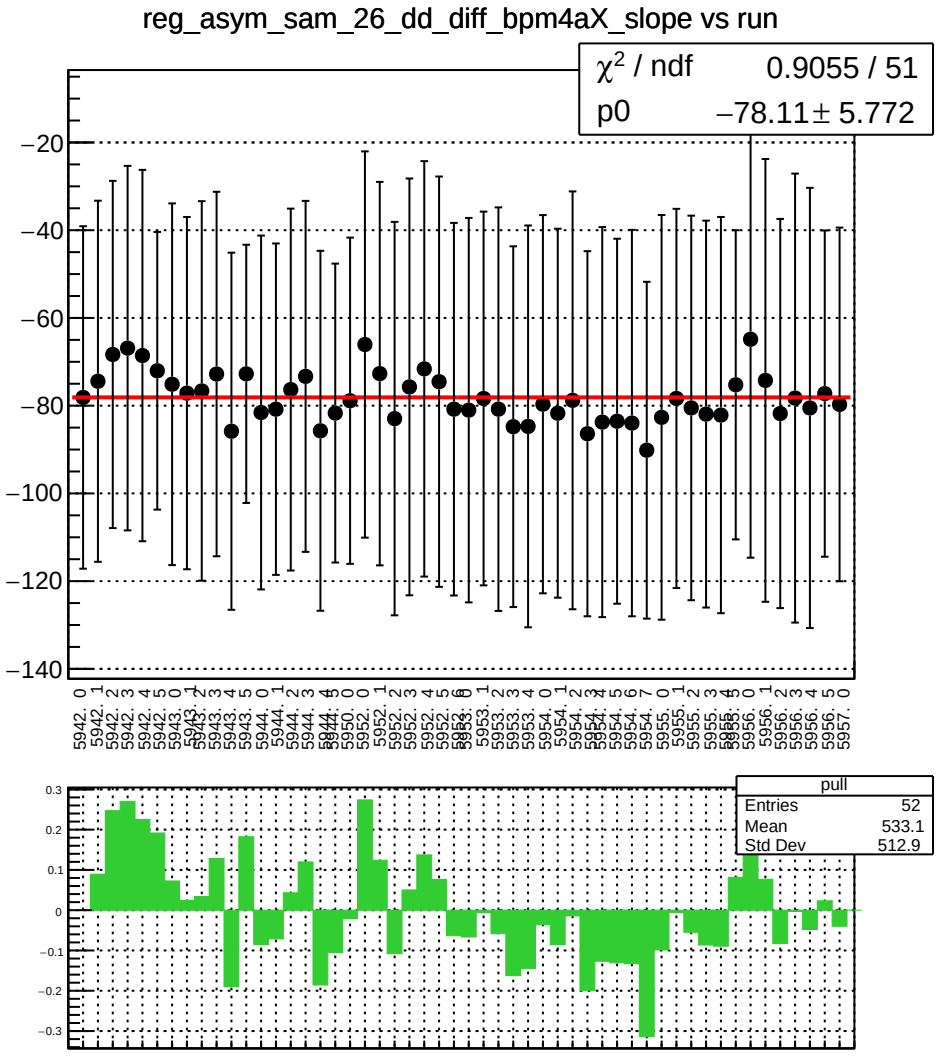

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.151 / 51
p0 17.52 ± 1.152
pull
Entries 52
Mean −795.8
Std Dev 828
pull1D
Entries 52
Mean 0.0009089
Std Dev 0.2461

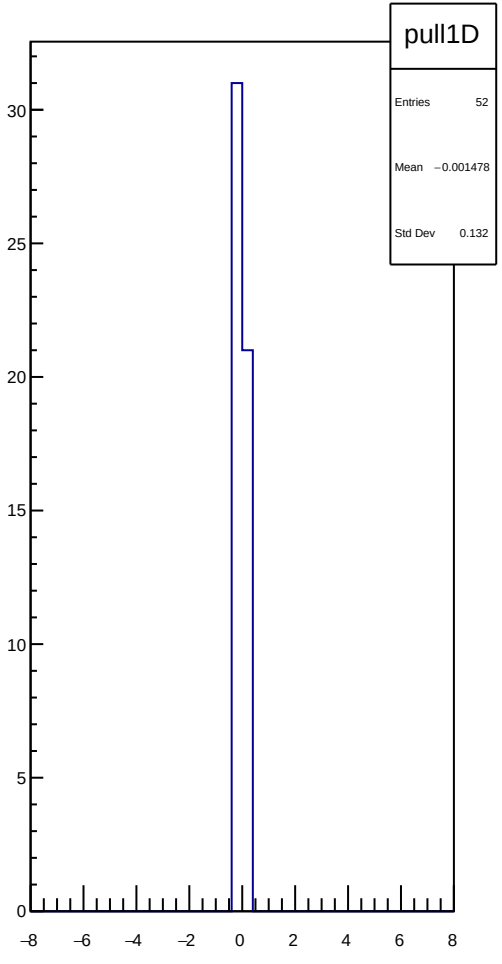

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.016 / 51
p0 −42.46 ± 3.292
pull
Entries 52
Mean 96.84
Std Dev 64.93
pull1D
Entries 52
Mean −0.01083
Std Dev 0.1966

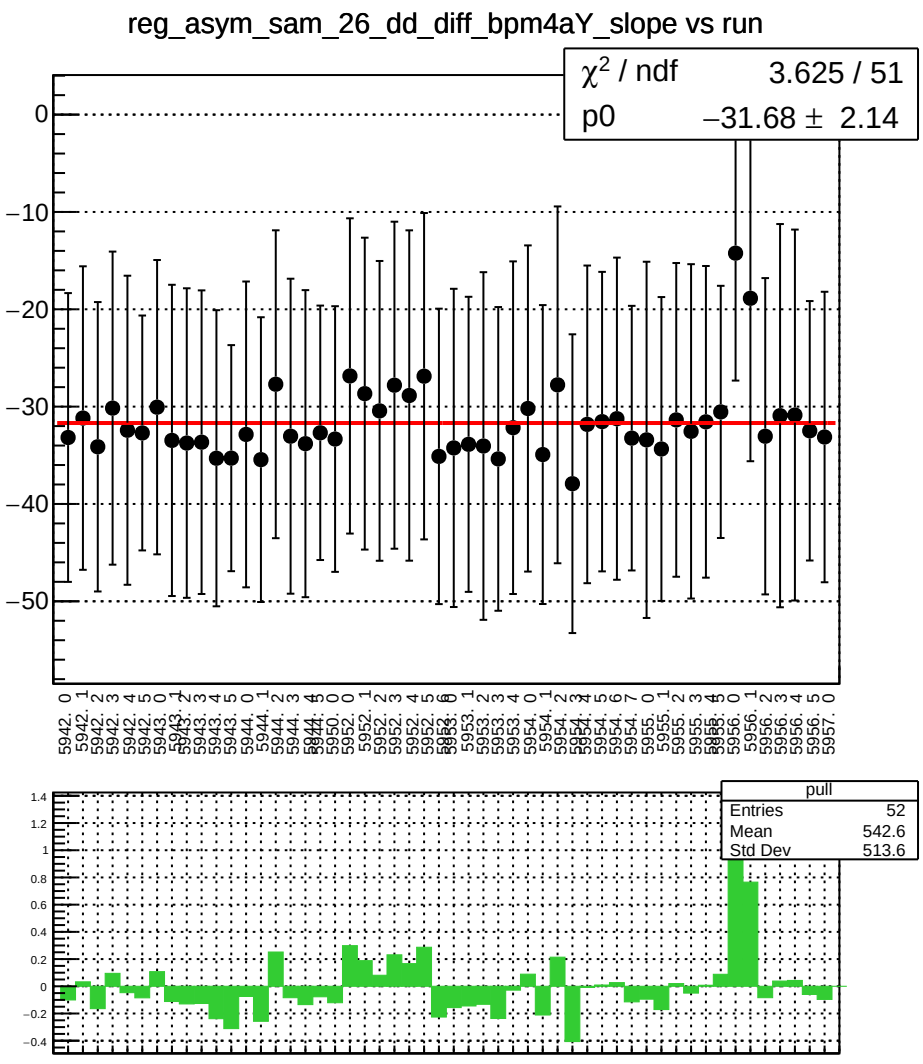

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.609 / 51
p0 −67.98 ± 1.503
pull
Entries 52
Mean 8.056
Std Dev 49.84
pull1D
Entries 52
Mean −0.009643
Std Dev 0.2975

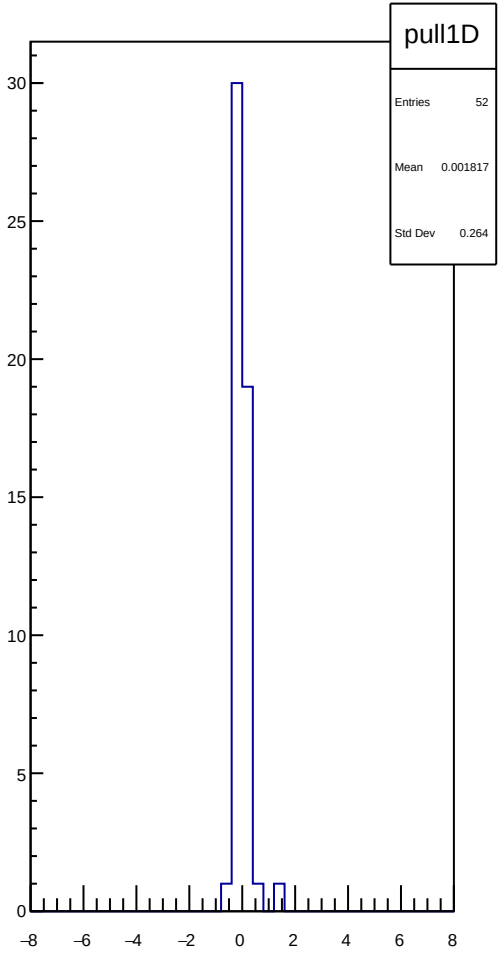

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.23 / 51
p0 −0.281 ± 0.1368
pull
Entries 52
Mean 205.8
Std Dev 176

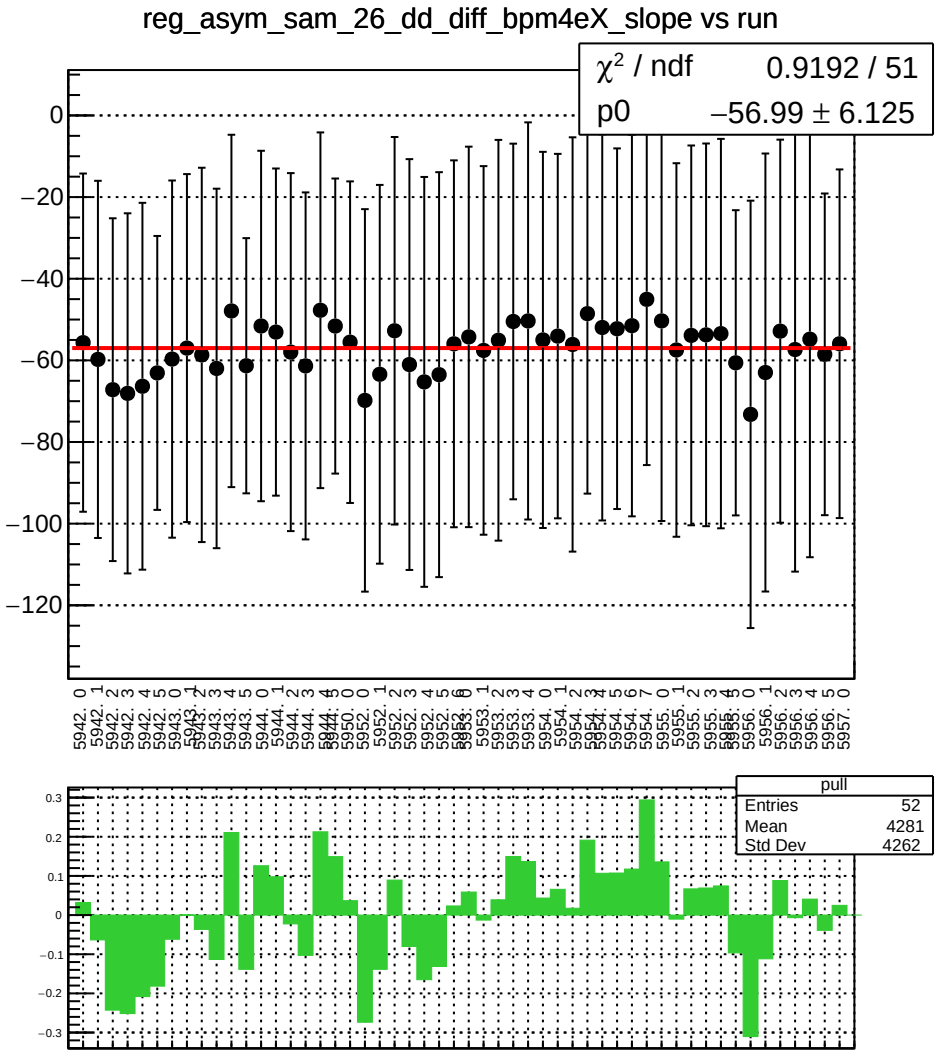

pull1D
Entries 52
Mean 0.002664
Std Dev 0.1538

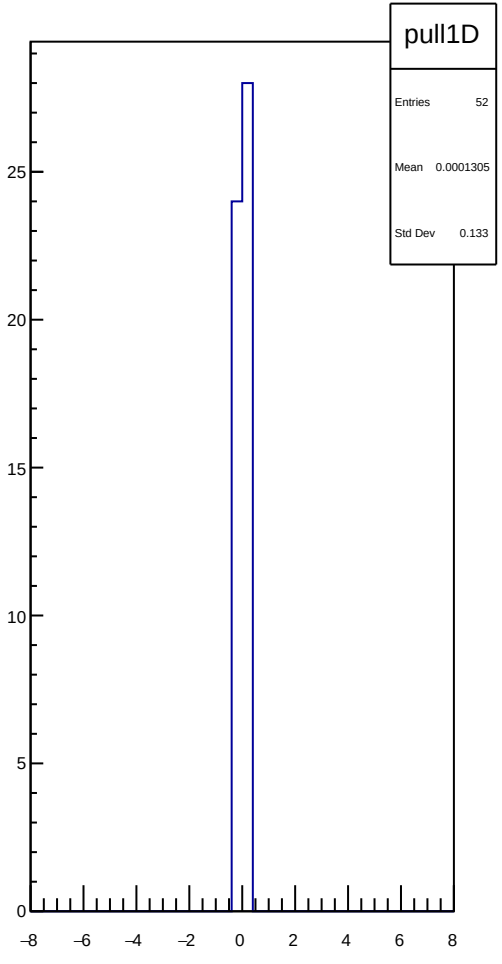

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.9055 / 51
p0 −78.11 ± 5.772
pull
Entries 52
Mean 533.1
Std Dev 512.9

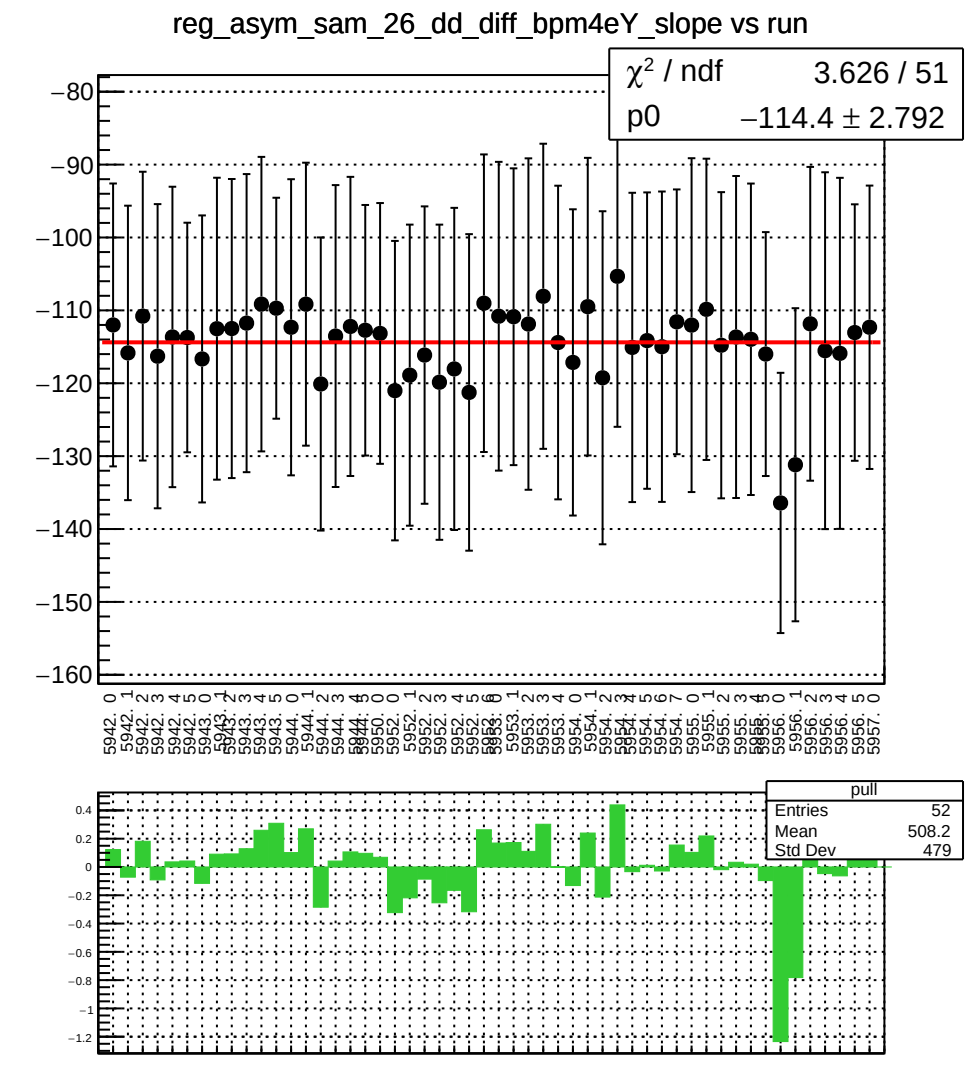

pull1D
Entries 52
Mean −0.001478
Std Dev 0.132

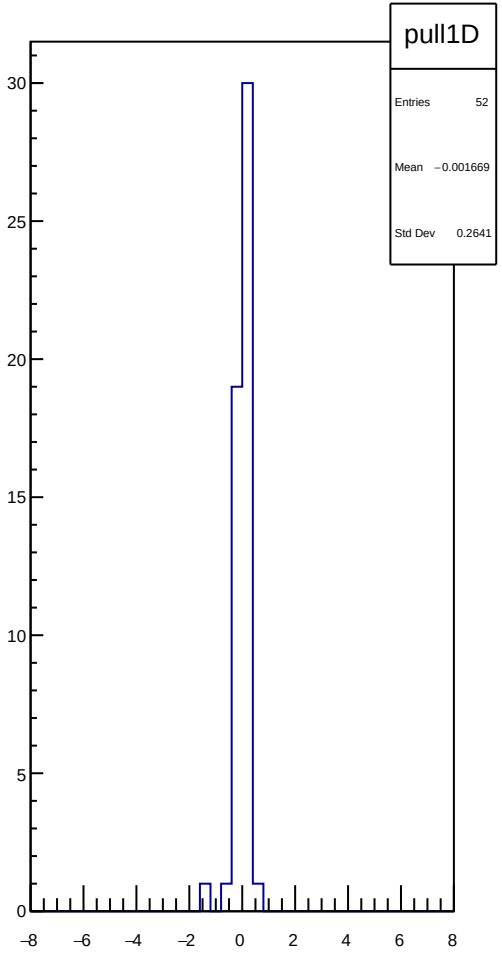

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.625 / 51
p0 −31.68 ± 2.14
pull
Entries 52
Mean 542.6
Std Dev 513.6

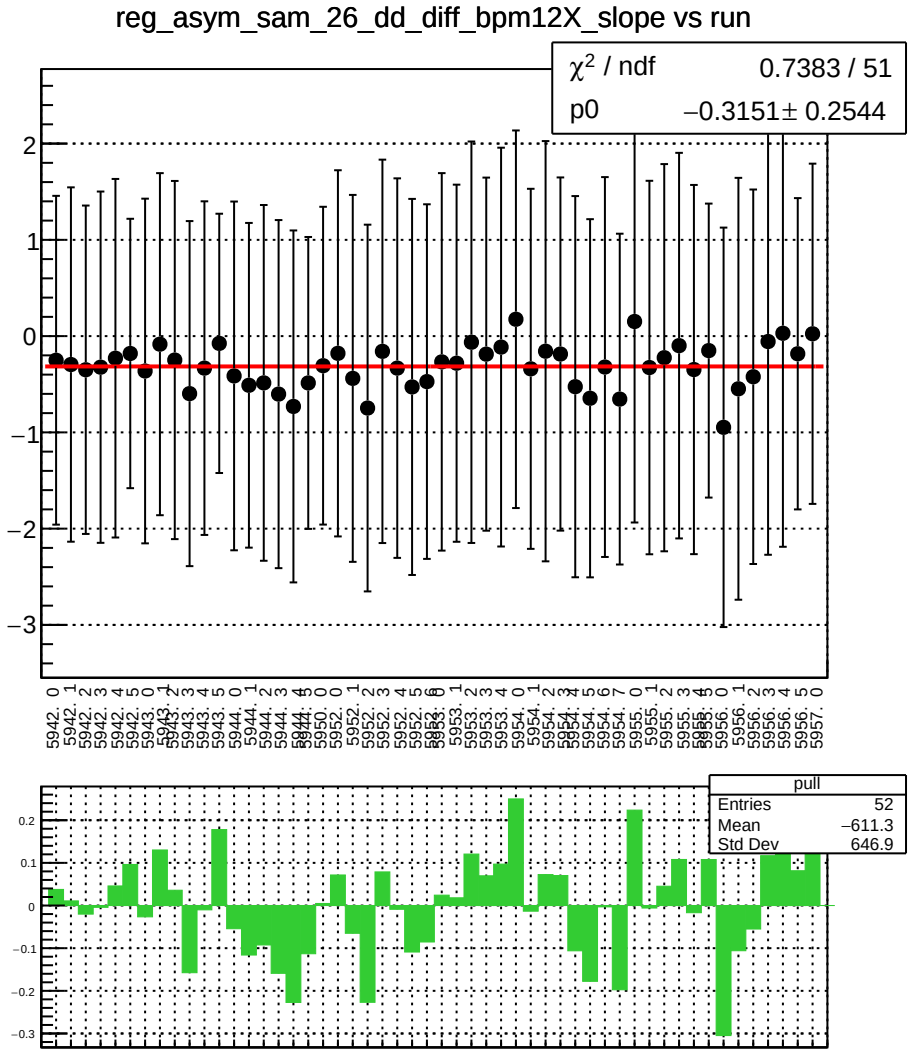

pull1D
Entries 52
Mean 0.001817
Std Dev 0.264

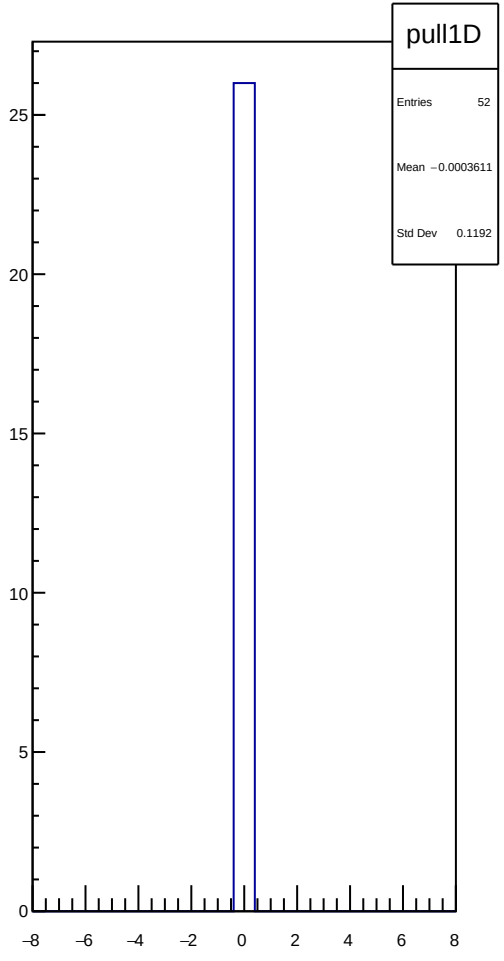

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9192 / 51
p0 −56.99 ± 6.125
pull
Entries 52
Mean 4281
Std Dev 4262

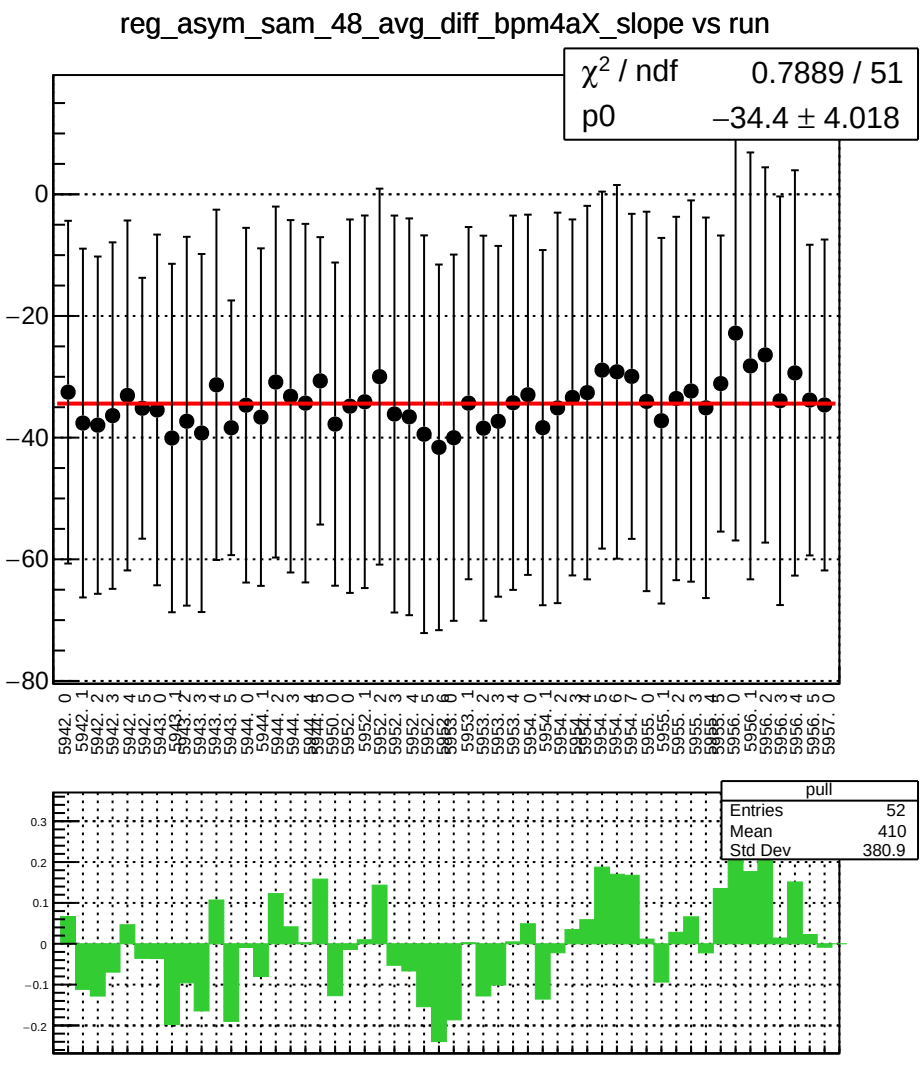

pull1D
Entries 52
Mean 0.0001305
Std Dev 0.133

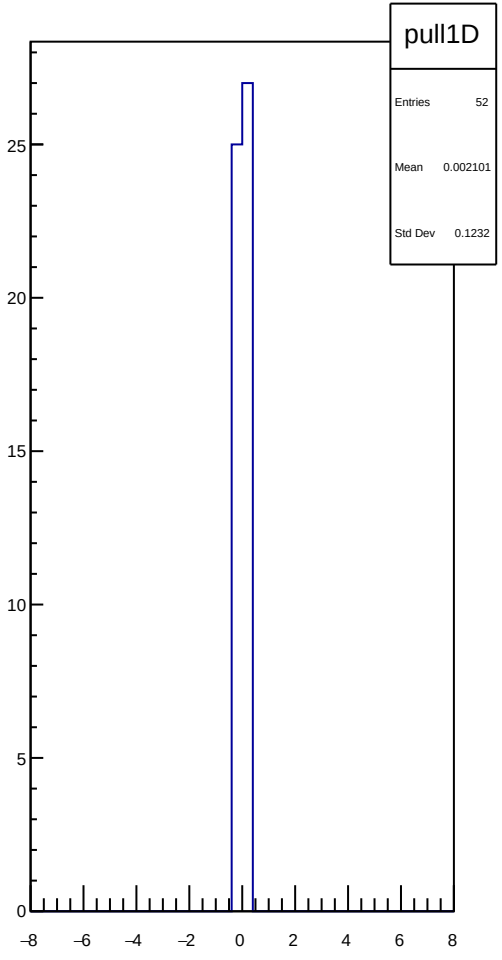

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.626 / 51
p0 −114.4 ± 2.792
pull
Entries 52
Mean 508.2
Std Dev 479

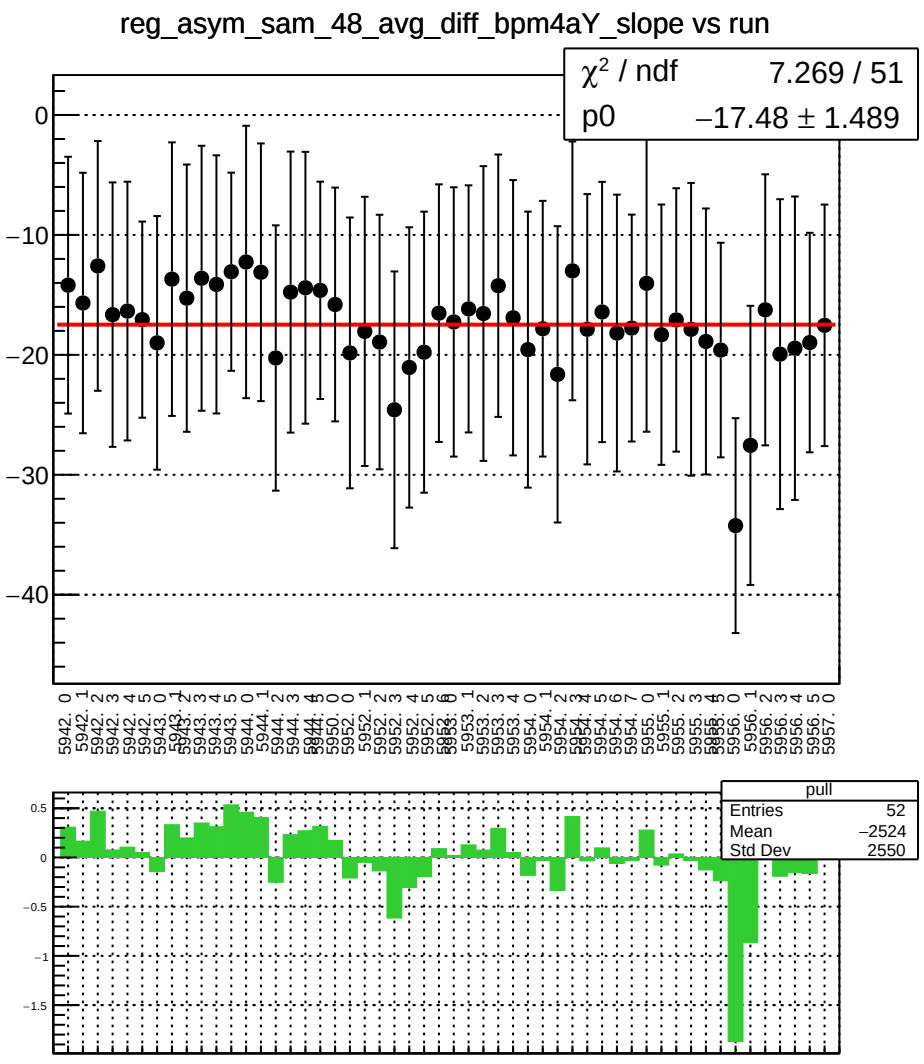

pull1D
Entries 52
Mean −0.001669
Std Dev 0.2641

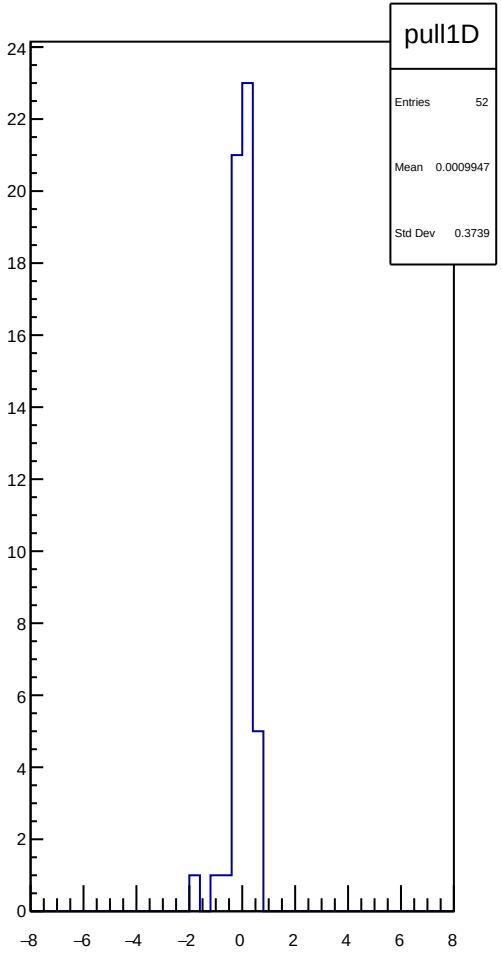

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7383 / 51
p0 −0.3151± 0.2544
pull
Entries 52
Mean −611.3
Std Dev 646.9

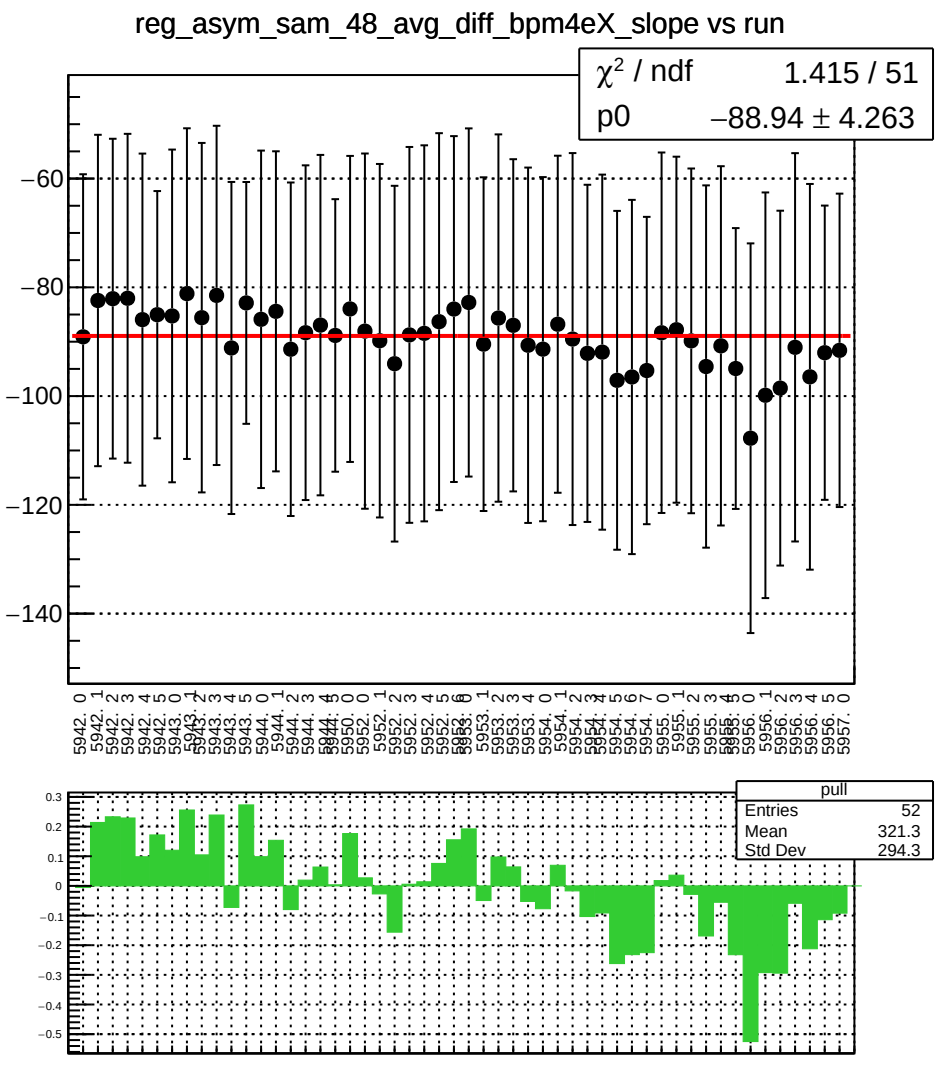

pull1D
Entries 52
Mean −0.0003611
Std Dev 0.1192

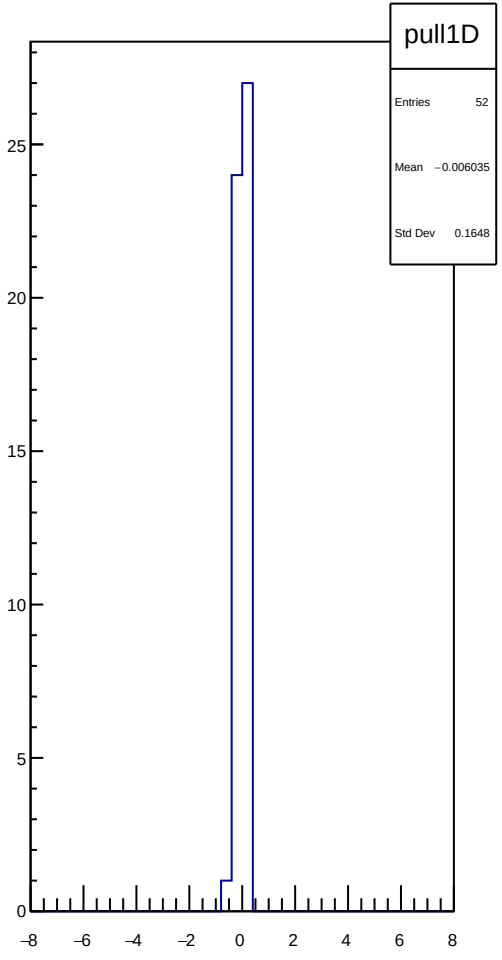

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.7889 / 51
p0 −34.4 ± 4.018
pull
Entries 52
Mean 410
Std Dev 380.9

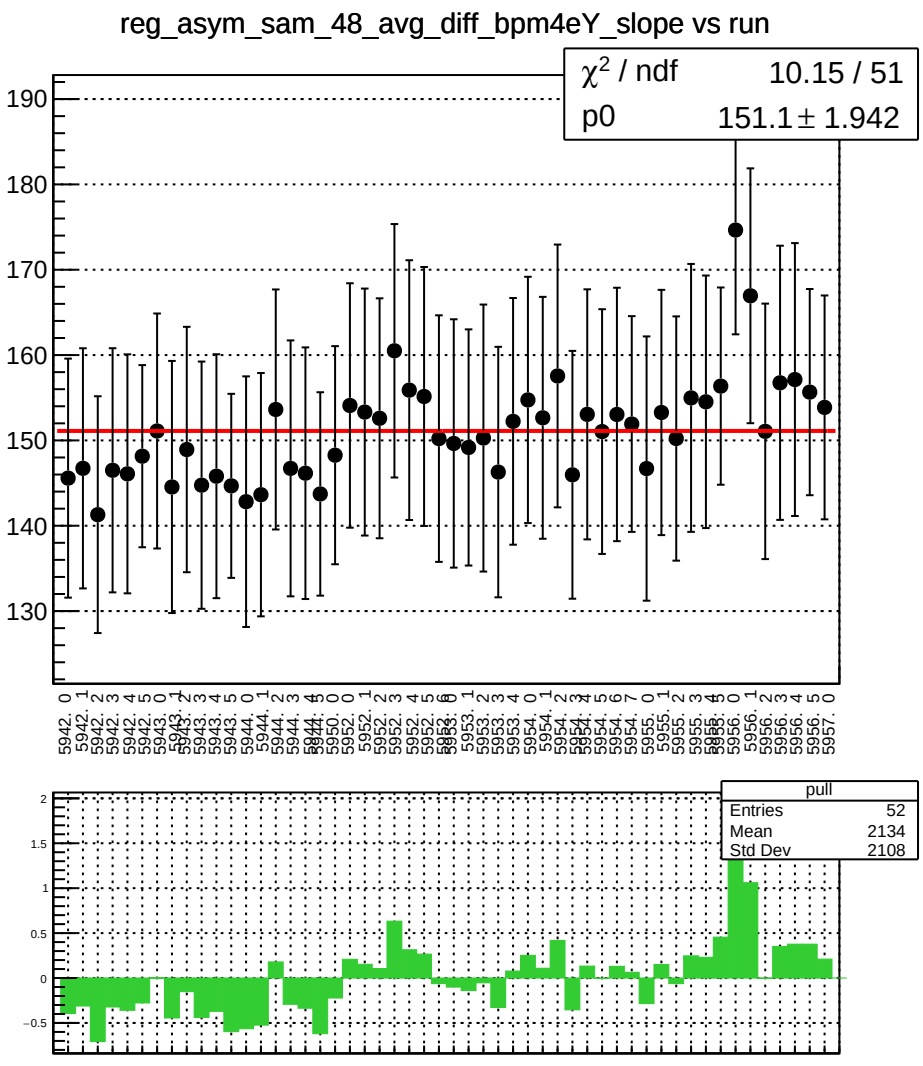

pull1D
Entries 52
Mean 0.002101
Std Dev 0.1232

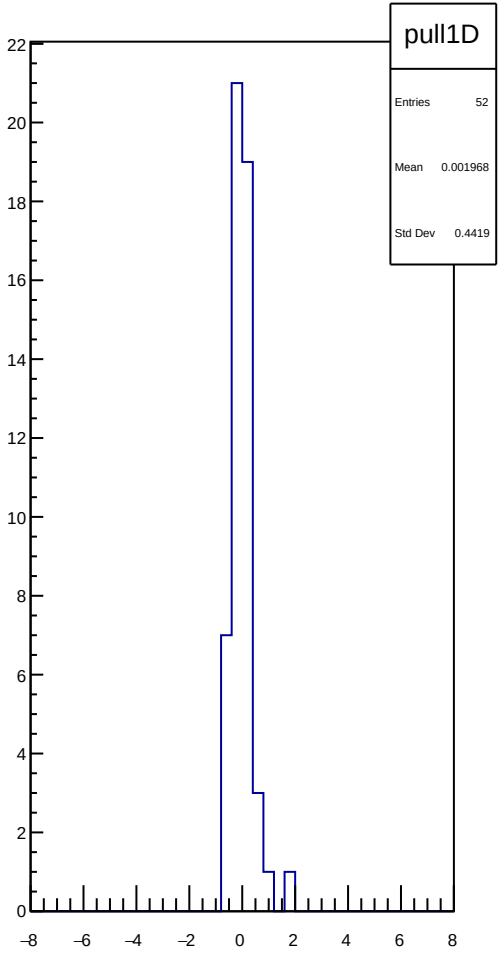

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.269 / 51
p0 −17.48 ± 1.489
pull
Entries 52
Mean −2524
Std Dev 2550

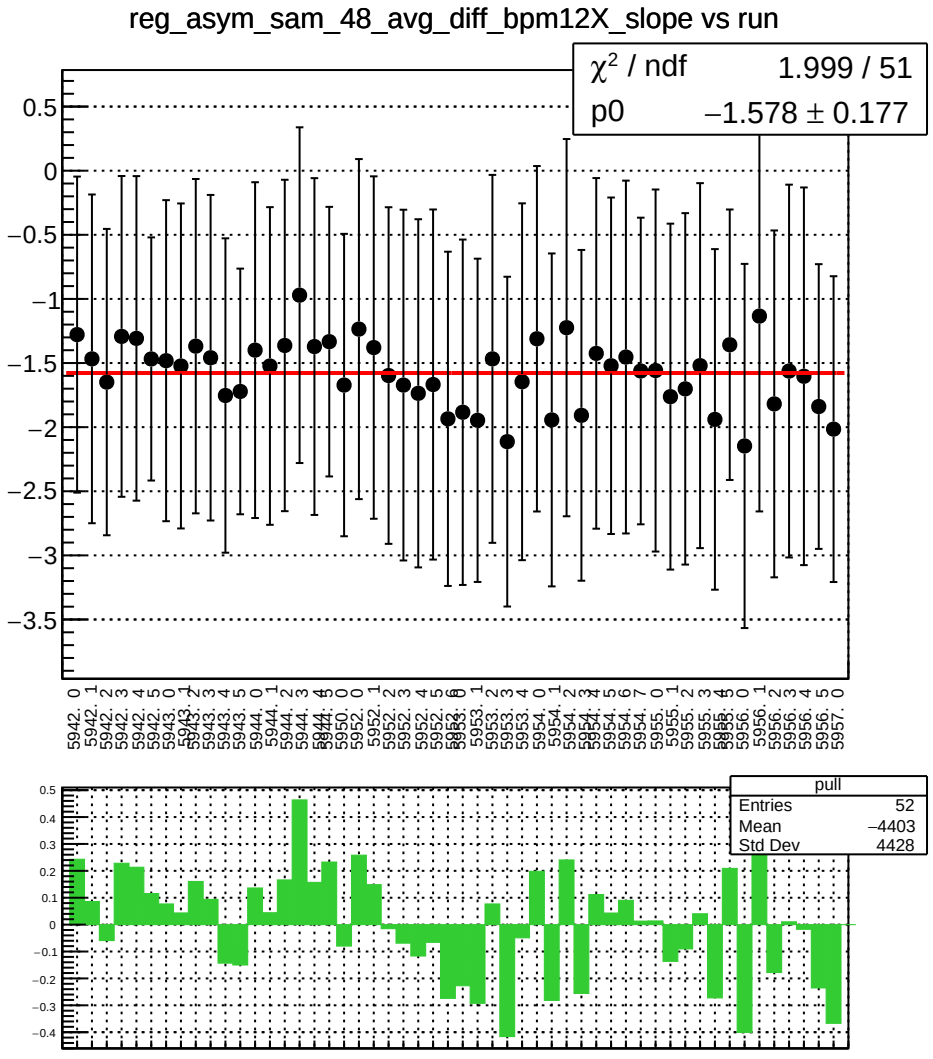

pull1D
Entries 52
Mean 0.0009947
Std Dev 0.3739

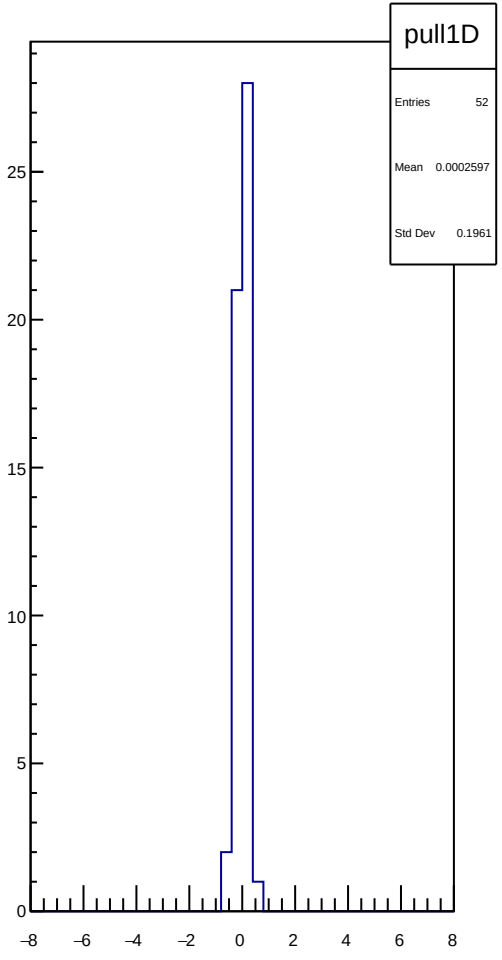

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.415 / 51
p0 −88.94 ± 4.263
−60
−80
−100
−120
−140
pull
Entries 52
Mean 321.3
Std Dev 294.3
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

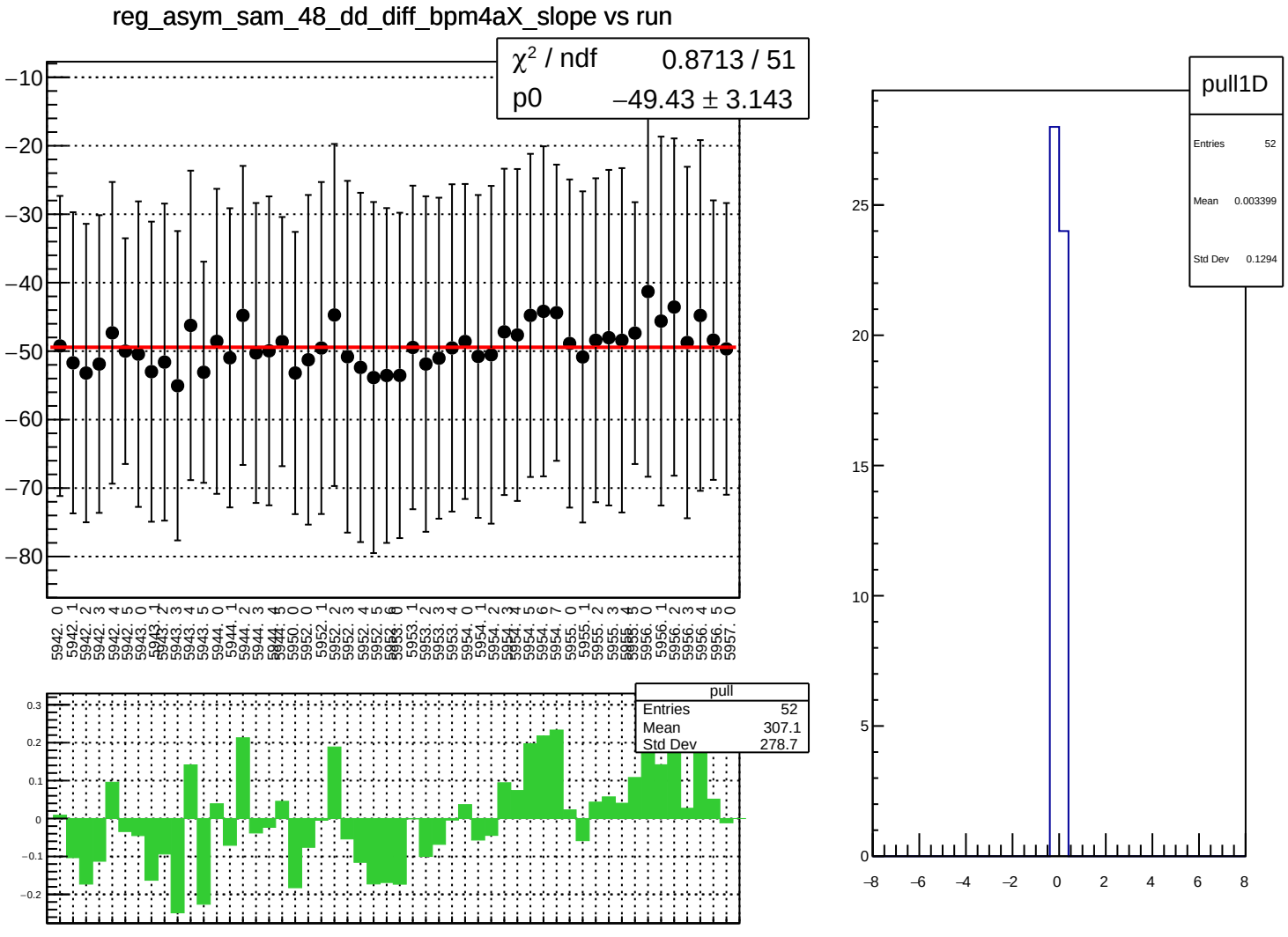

pull1D
Entries 52
Mean −0.006035
Std Dev 0.1648
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

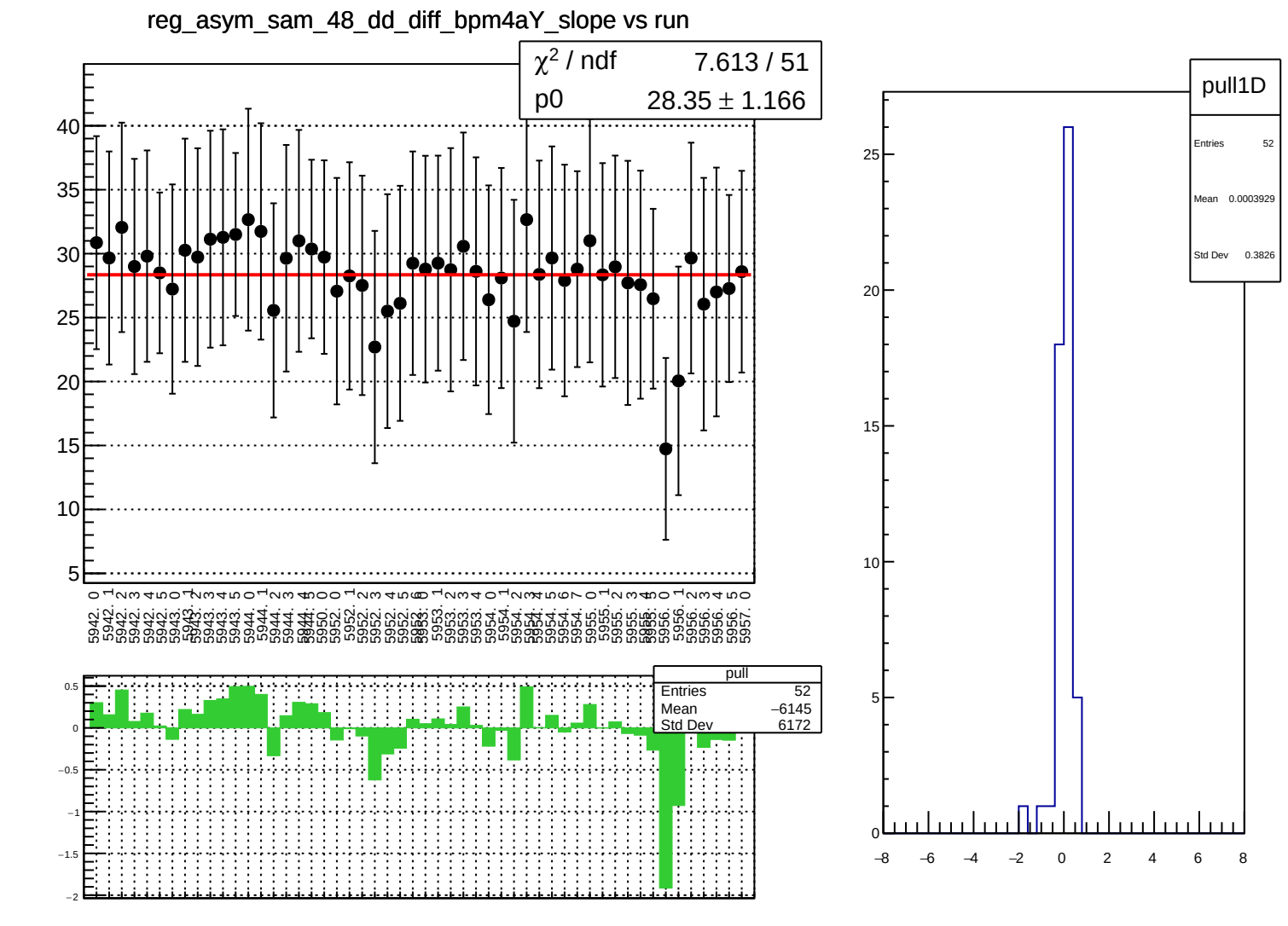

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.15 / 51
p0 151.1 ± 1.942
pull
Entries 52
Mean 2134
Std Dev 2108

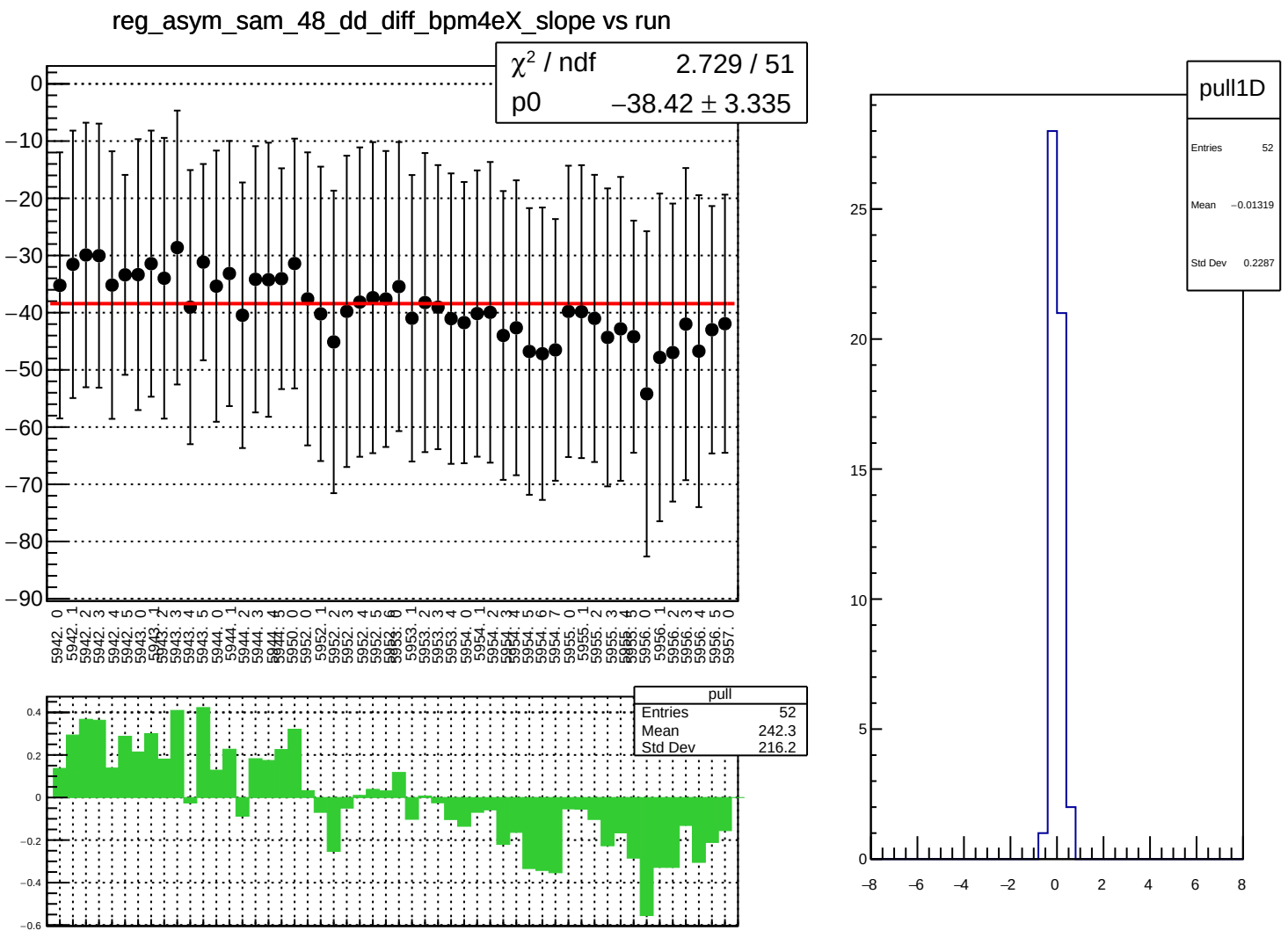

pull1D
Entries 52
Mean 0.001968
Std Dev 0.4419

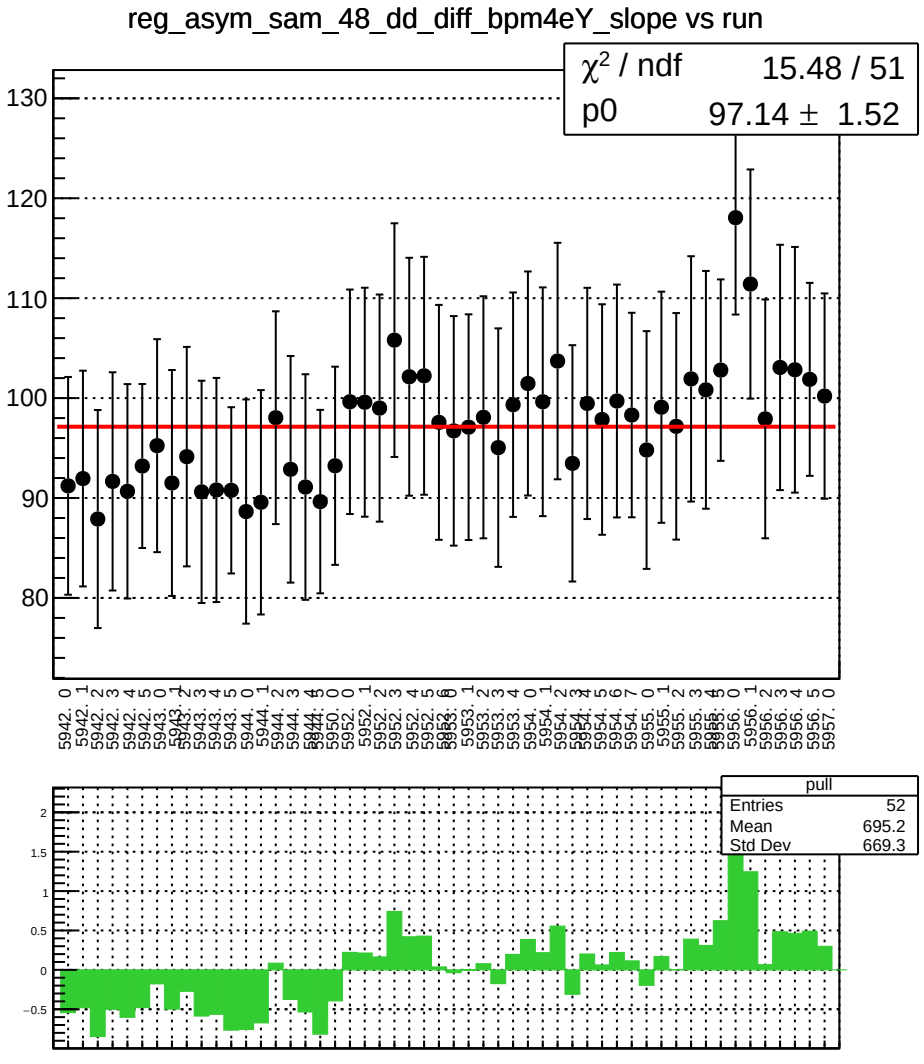

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.999 / 51
p0 −1.578 ± 0.177
pull
Entries 52
Mean −4403
Std Dev 4428

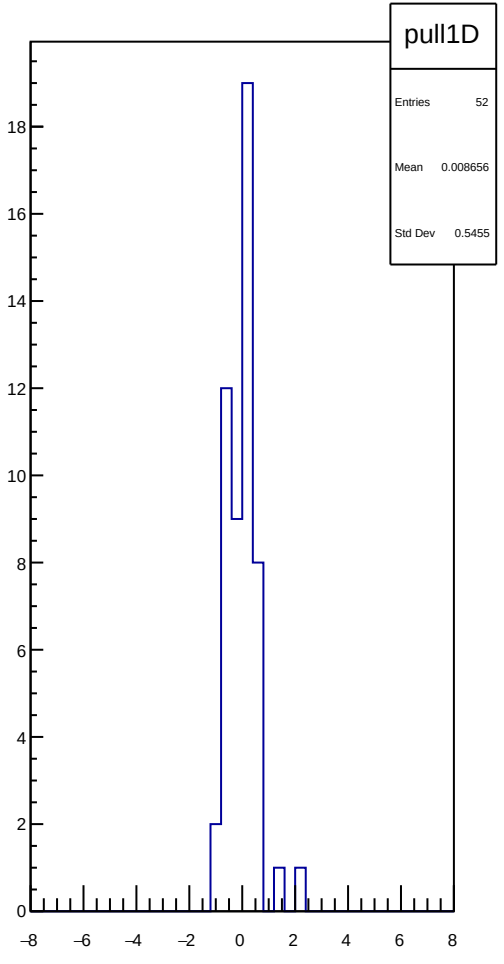

pull1D
Entries 52
Mean 0.0002597
Std Dev 0.1961

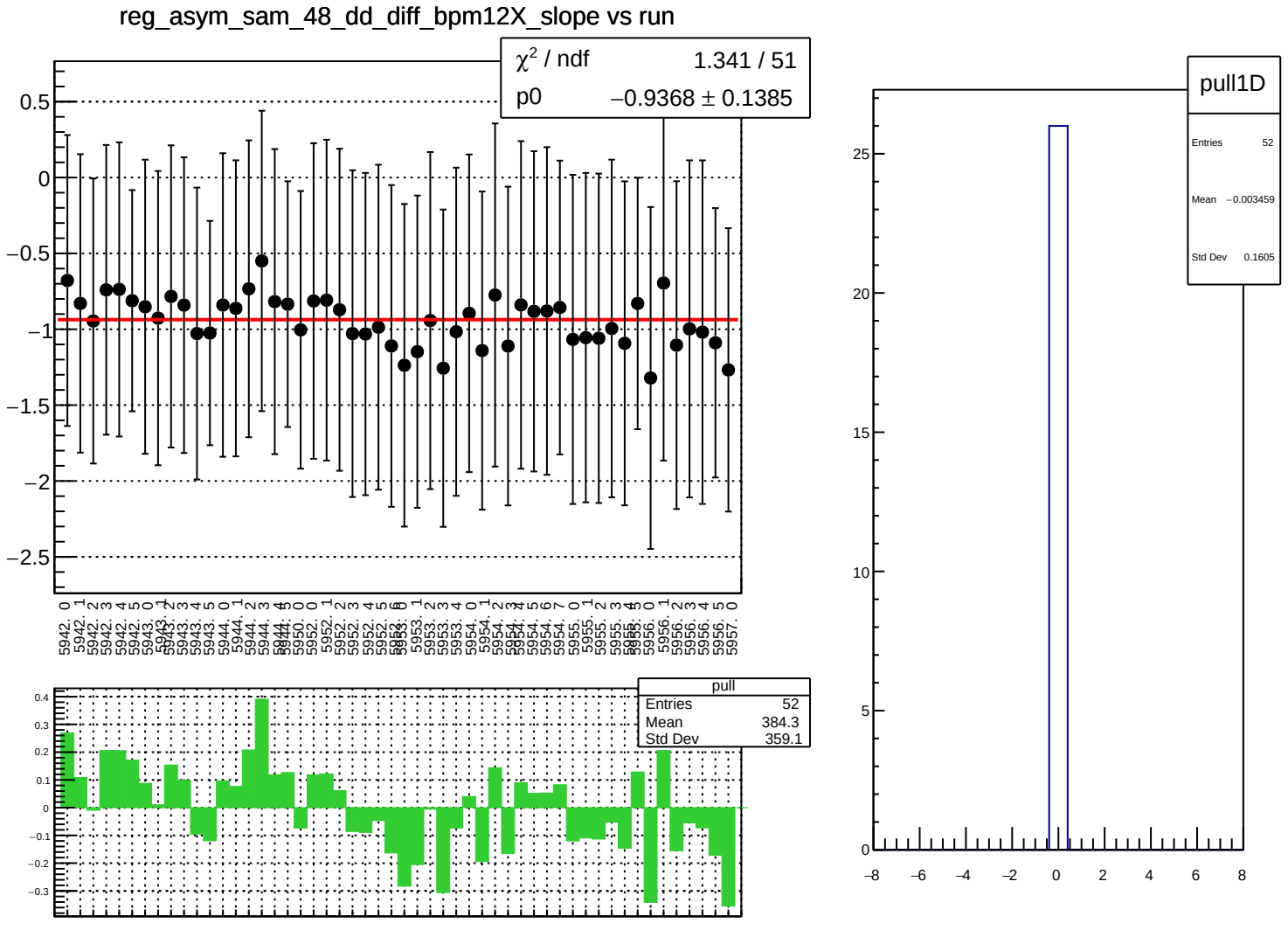

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8713 / 51
p0 −49.43 ± 3.143
pull
Entries 52
Mean 307.1
Std Dev 278.7
pull1D
Entries 52
Mean 0.003399
Std Dev 0.1294

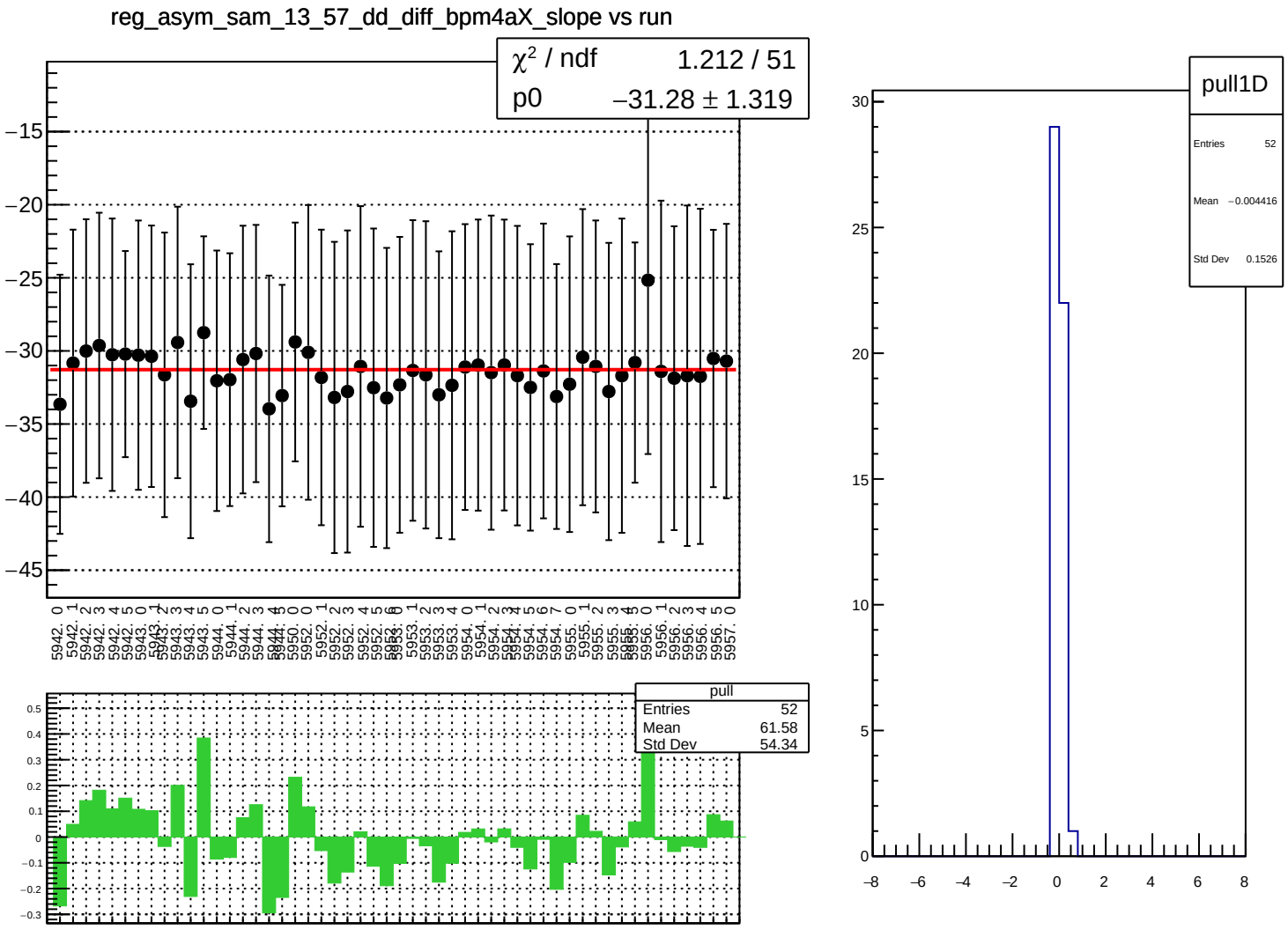

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.613 / 51
p0 28.35 ± 1.166
pull
Entries 52
Mean −6145
Std Dev 6172
pull1D
Entries 52
Mean 0.0003929
Std Dev 0.3826

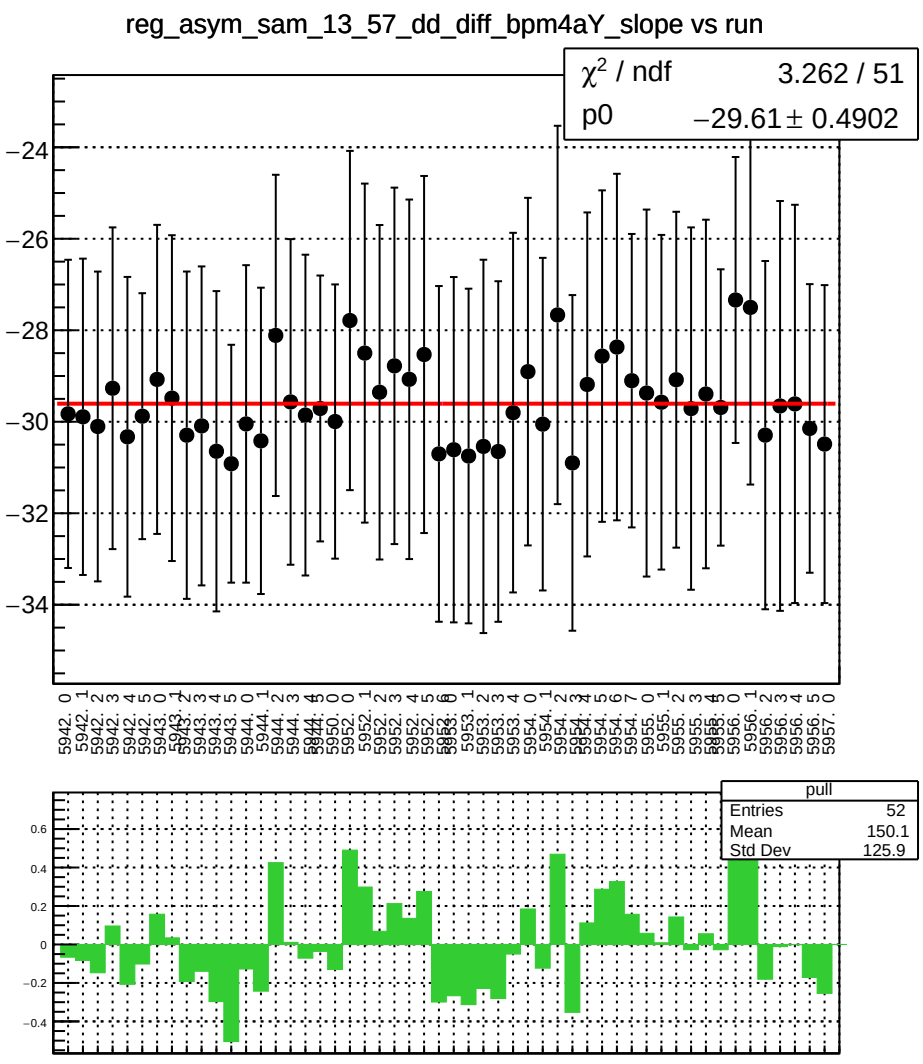

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.729 / 51
p0 −38.42 ± 3.335
pull
Entries 52
Mean 242.3
Std Dev 216.2
pull1D
Entries 52
Mean −0.01319
Std Dev 0.2287

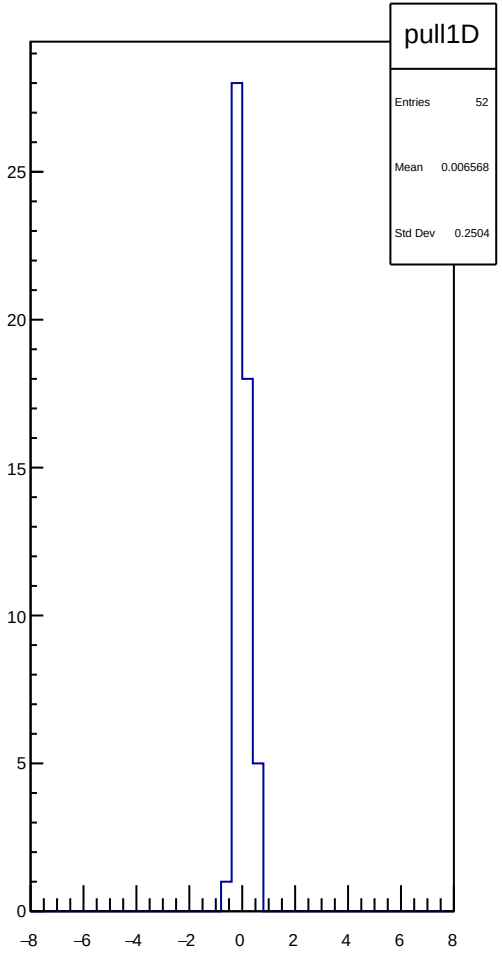

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.48 / 51
p0 97.14 ± 1.52
pull
Entries 52
Mean 695.2
Std Dev 669.3

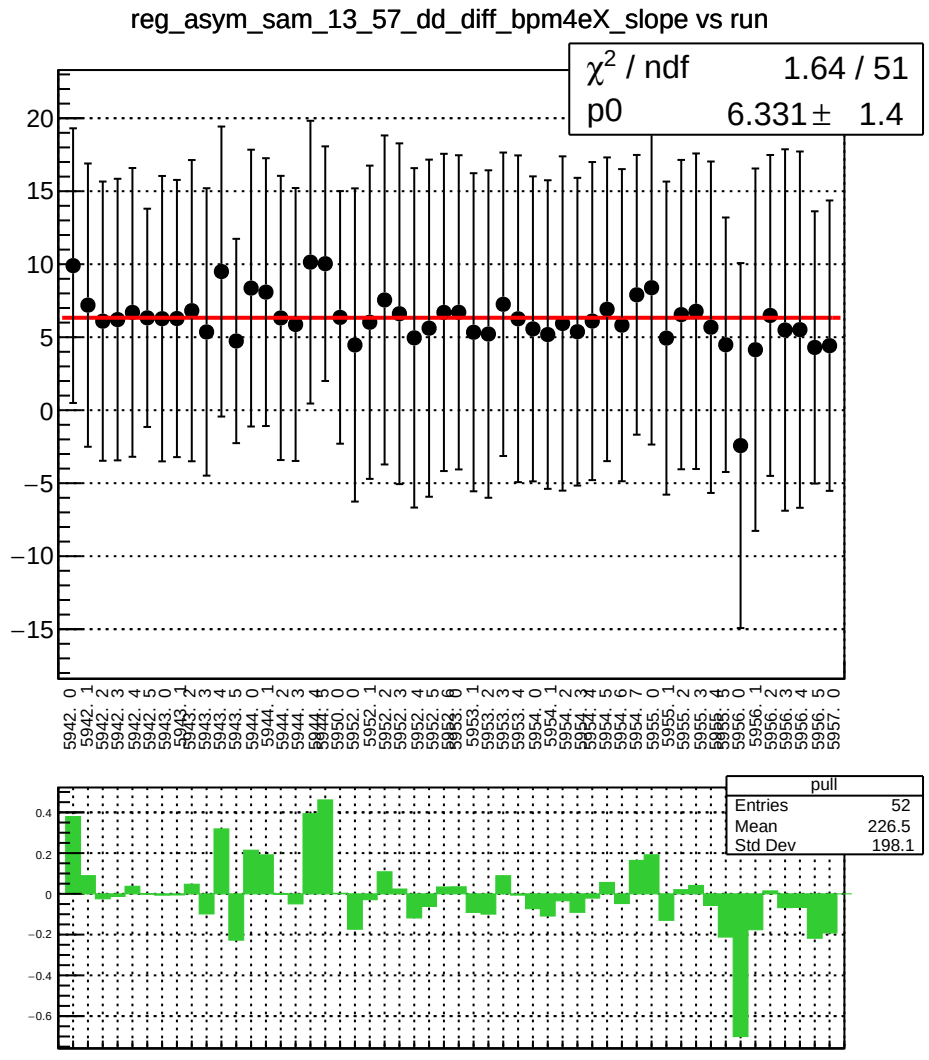

pull1D
Entries 52
Mean 0.008656
Std Dev 0.5455

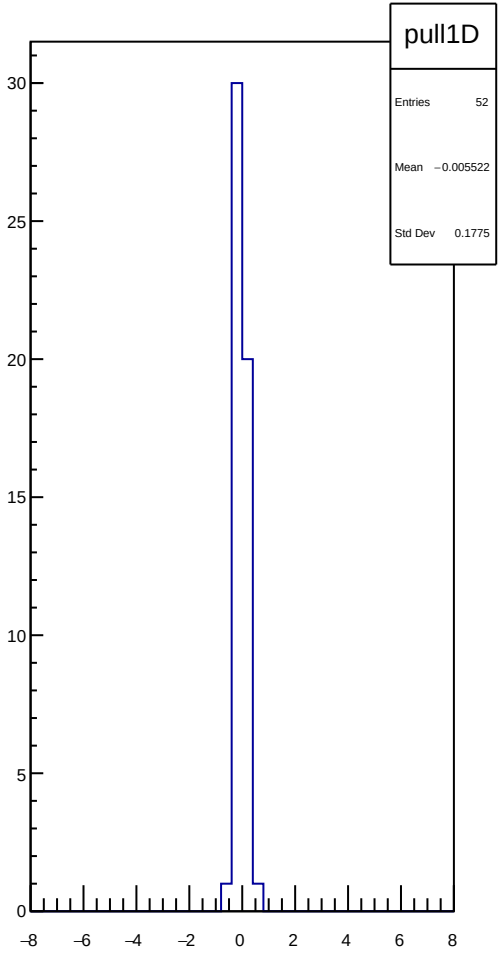

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.341 / 51
p0 −0.9368 ± 0.1385
pull
Entries 52
Mean 384.3
Std Dev 359.1
pull1D
Entries 52
Mean −0.003459
Std Dev 0.1605

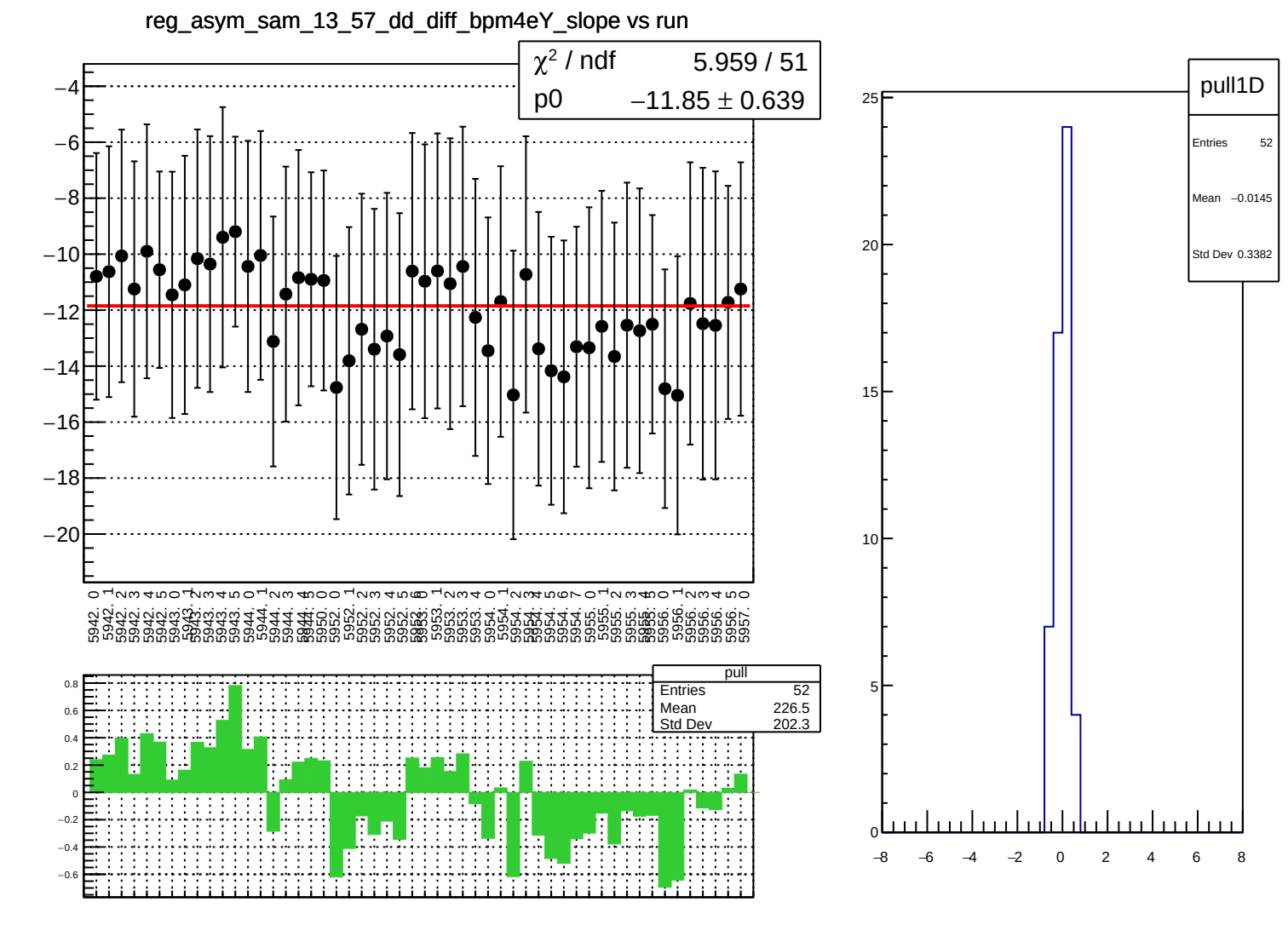

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.212 / 51
p0 −31.28 ± 1.319
pull
Entries 52
Mean 61.58
Std Dev 54.34
pull1D
Entries 52
Mean −0.004416
Std Dev 0.1526

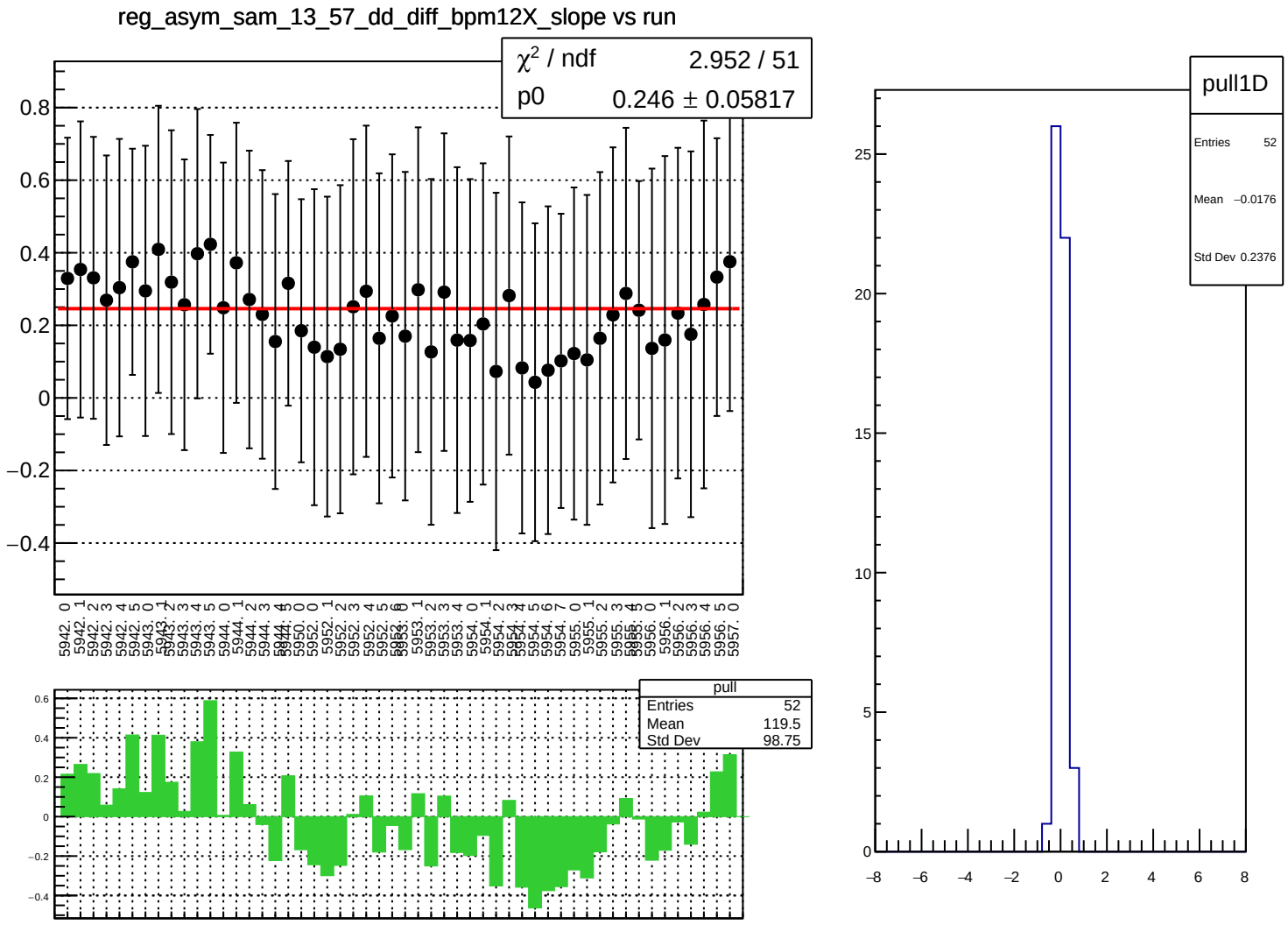

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.262 / 51
p0 −29.61 ± 0.4902
pull
Entries 52
Mean 150.1
Std Dev 125.9

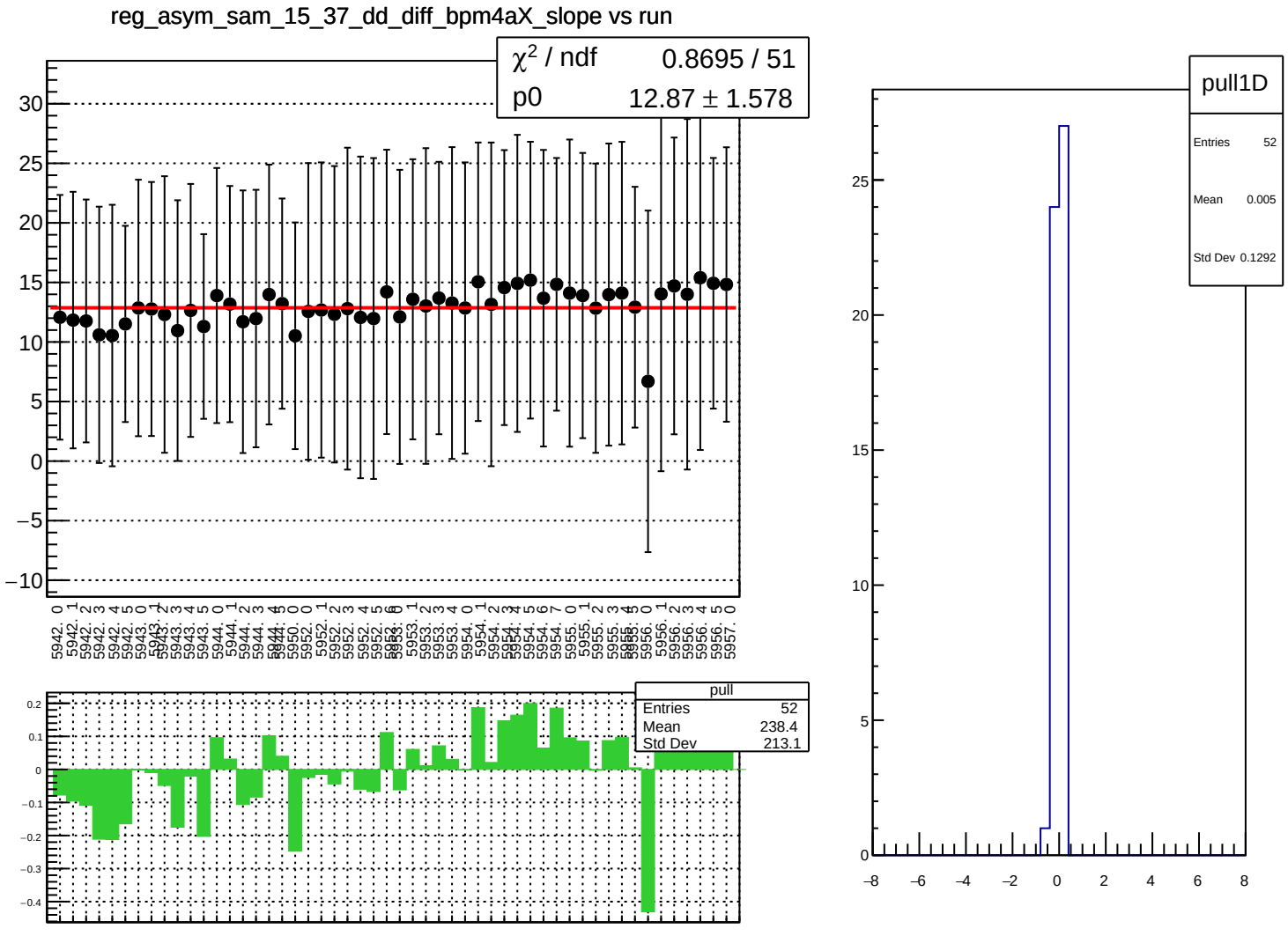

pull1D
Entries 52
Mean 0.006568
Std Dev 0.2504

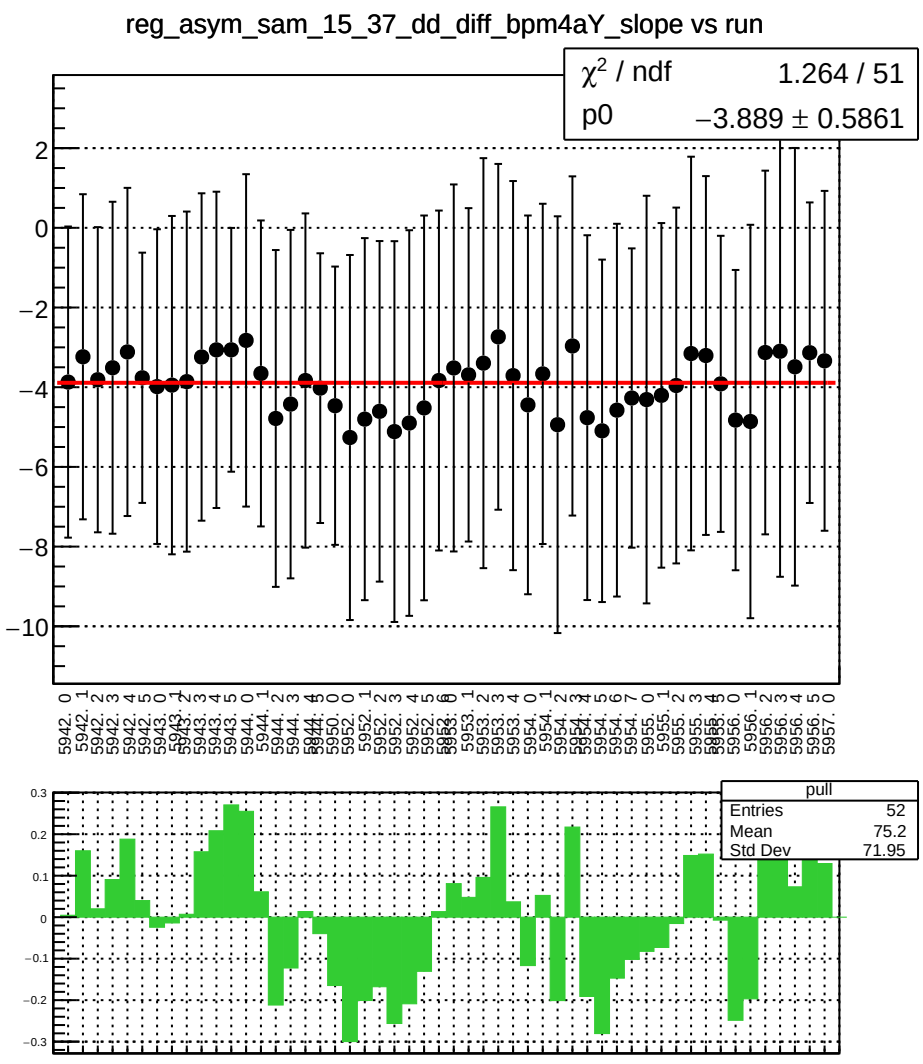

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.64 / 51
p0 6.331 ± 1.4
pull
Entries 52
Mean 226.5
Std Dev 198.1

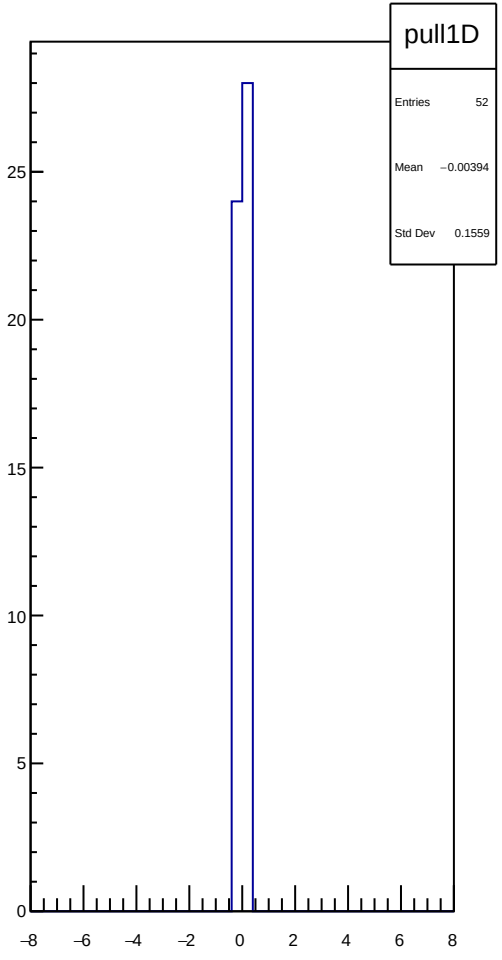

pull1D
Entries 52
Mean −0.005522
Std Dev 0.1775

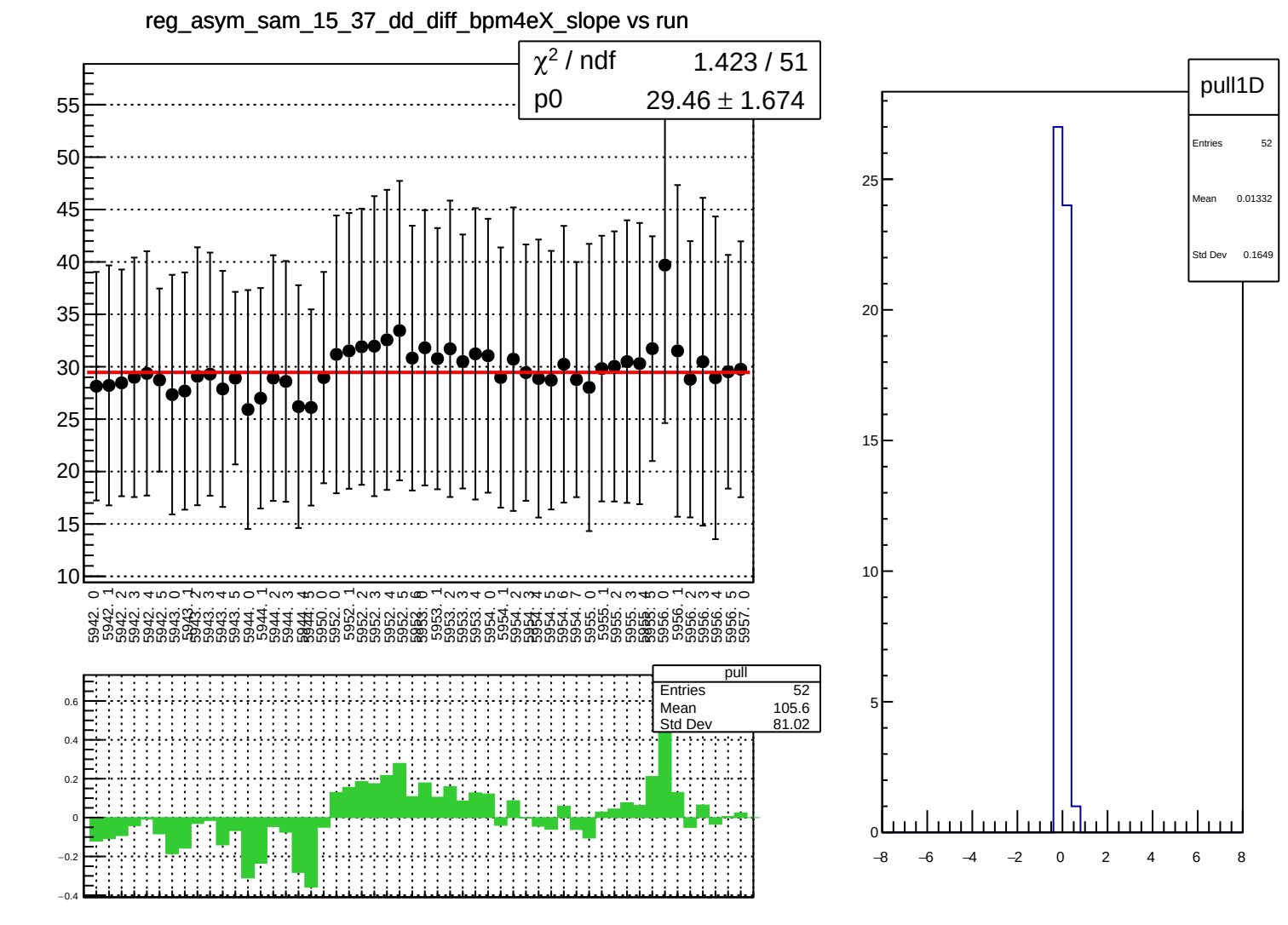

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.959 / 51
p0 −11.85 ± 0.639
pull
Entries 52
Mean 226.5
Std Dev 202.3
pull1D
Entries 52
Mean −0.0145
Std Dev 0.3382

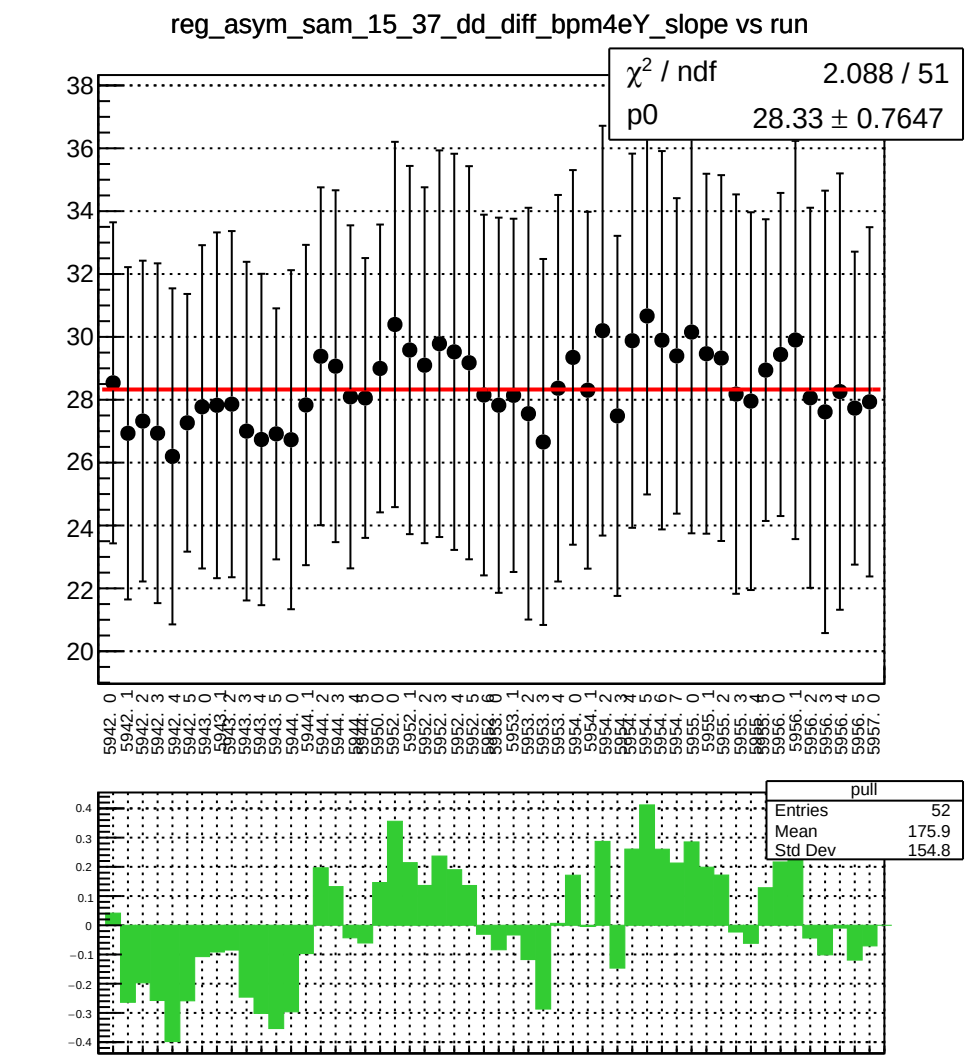

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 2.952 / 51
p0 0.246 ± 0.05817
pull
Entries 52
Mean 119.5
Std Dev 98.75
pull1D
Entries 52
Mean −0.0176
Std Dev 0.2376

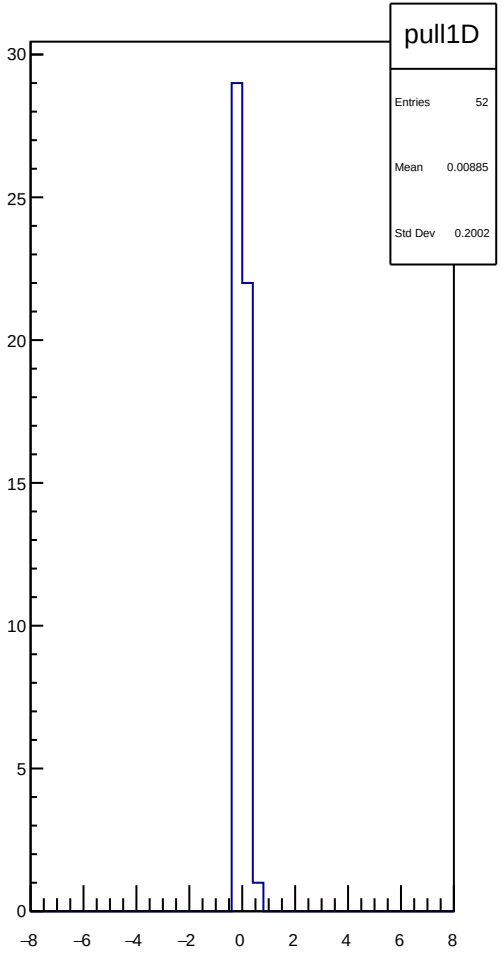

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8695 / 51
p0 12.87 ± 1.578
pull
Entries 52
Mean 238.4
Std Dev 213.1
pull1D
Entries 52
Mean 0.005
Std Dev 0.1292

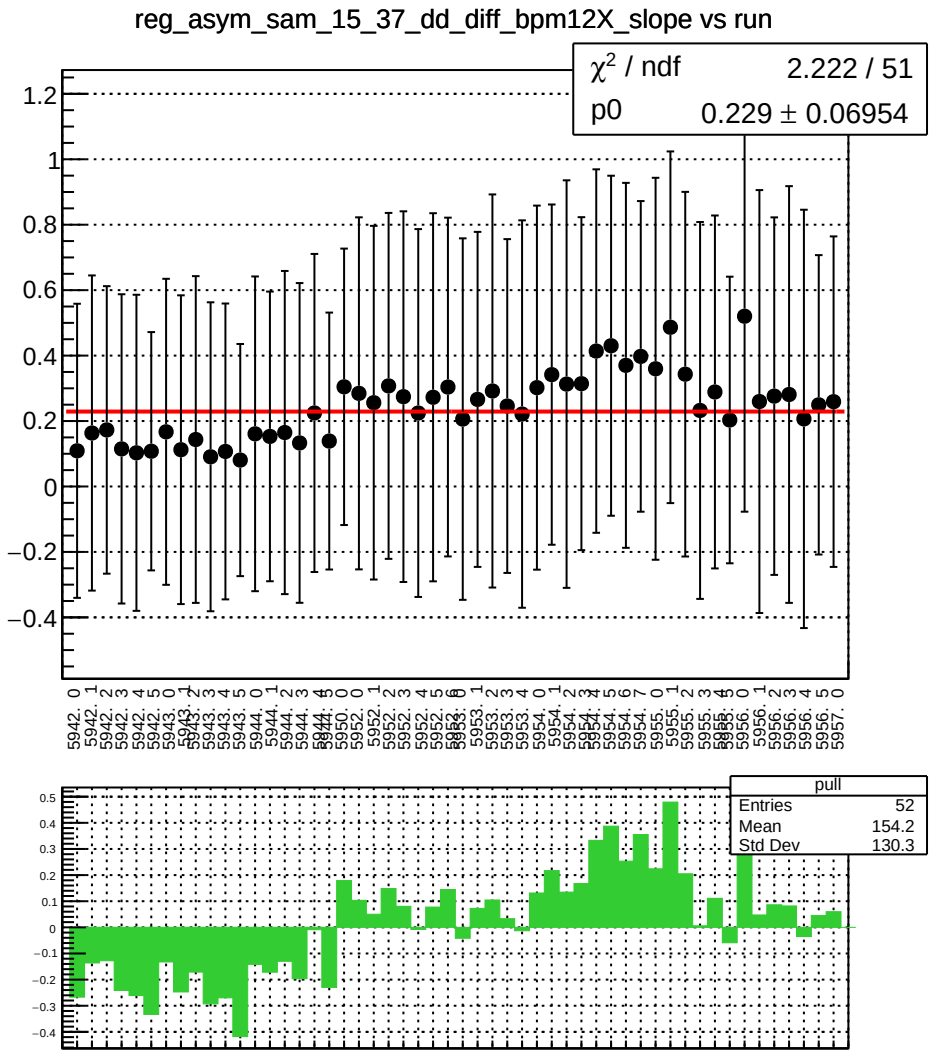

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.264 / 51
p0 −3.889 ± 0.5861
pull
Entries 52
Mean 75.2
Std Dev 71.95

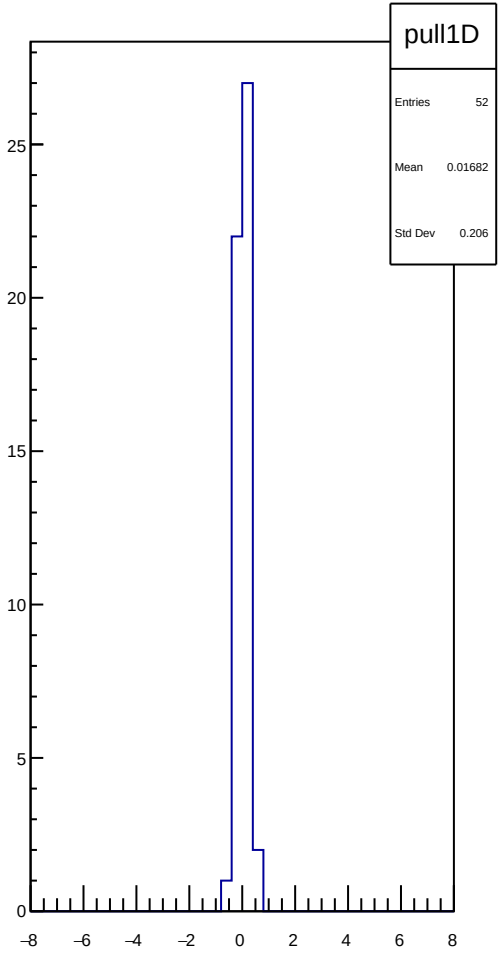

pull1D
Entries 52
Mean −0.00394
Std Dev 0.1559

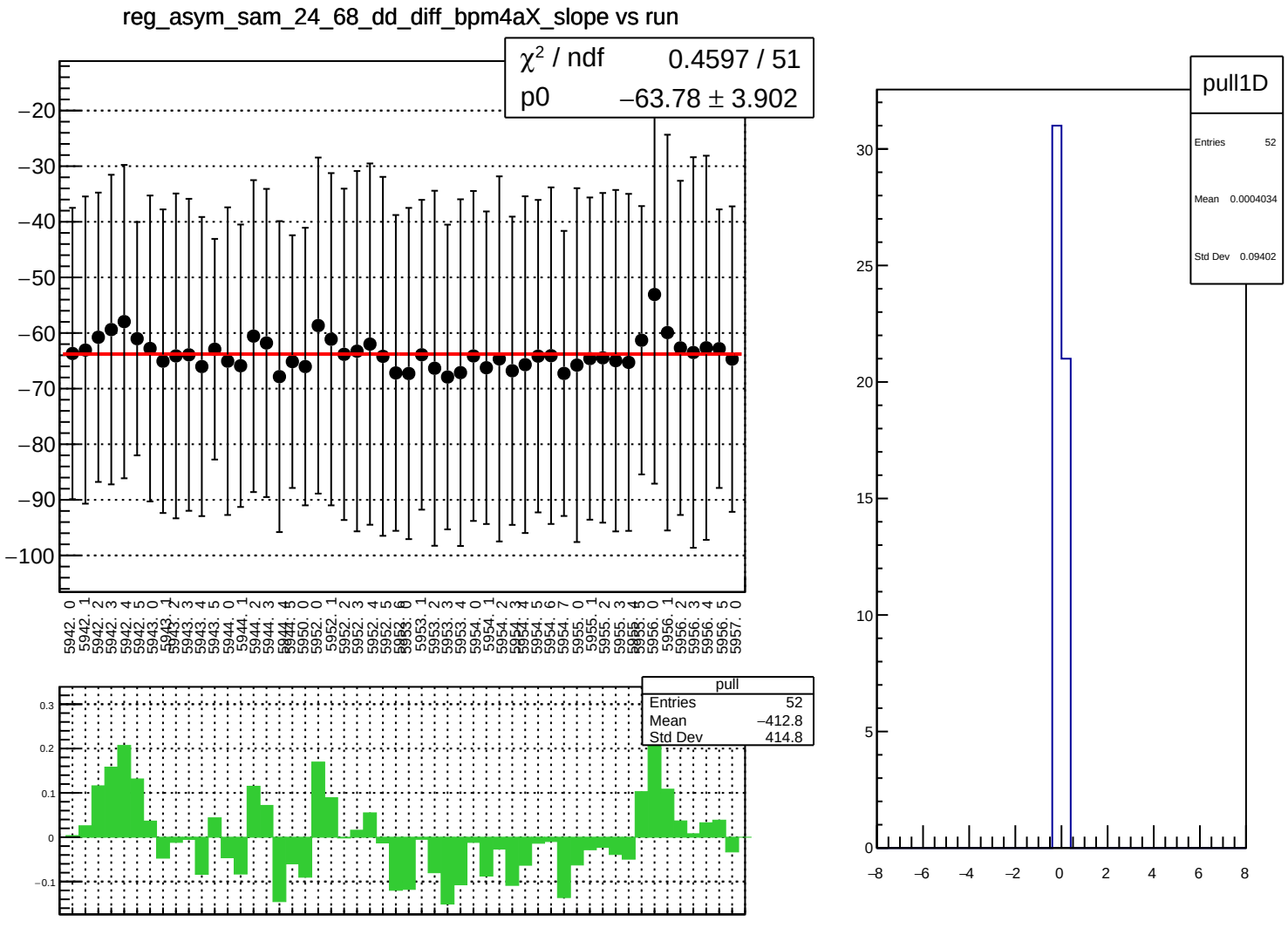

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.423 / 51
p0 29.46 ± 1.674
pull
Entries 52
Mean 105.6
Std Dev 81.02
pull1D
Entries 52
Mean 0.01332
Std Dev 0.1649

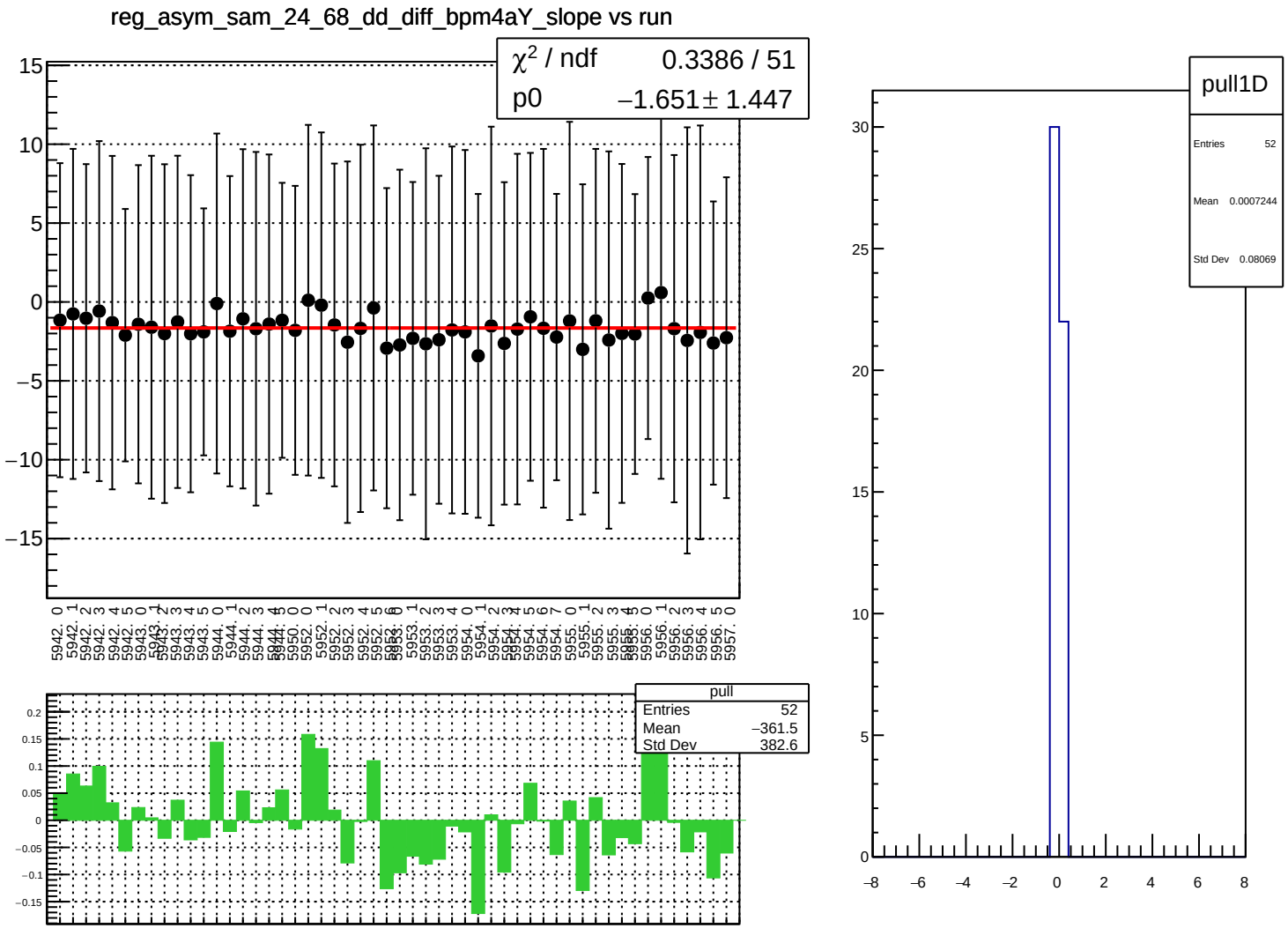

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.088 / 51
p0 28.33 ± 0.7647
pull
Entries 52
Mean 175.9
Std Dev 154.8

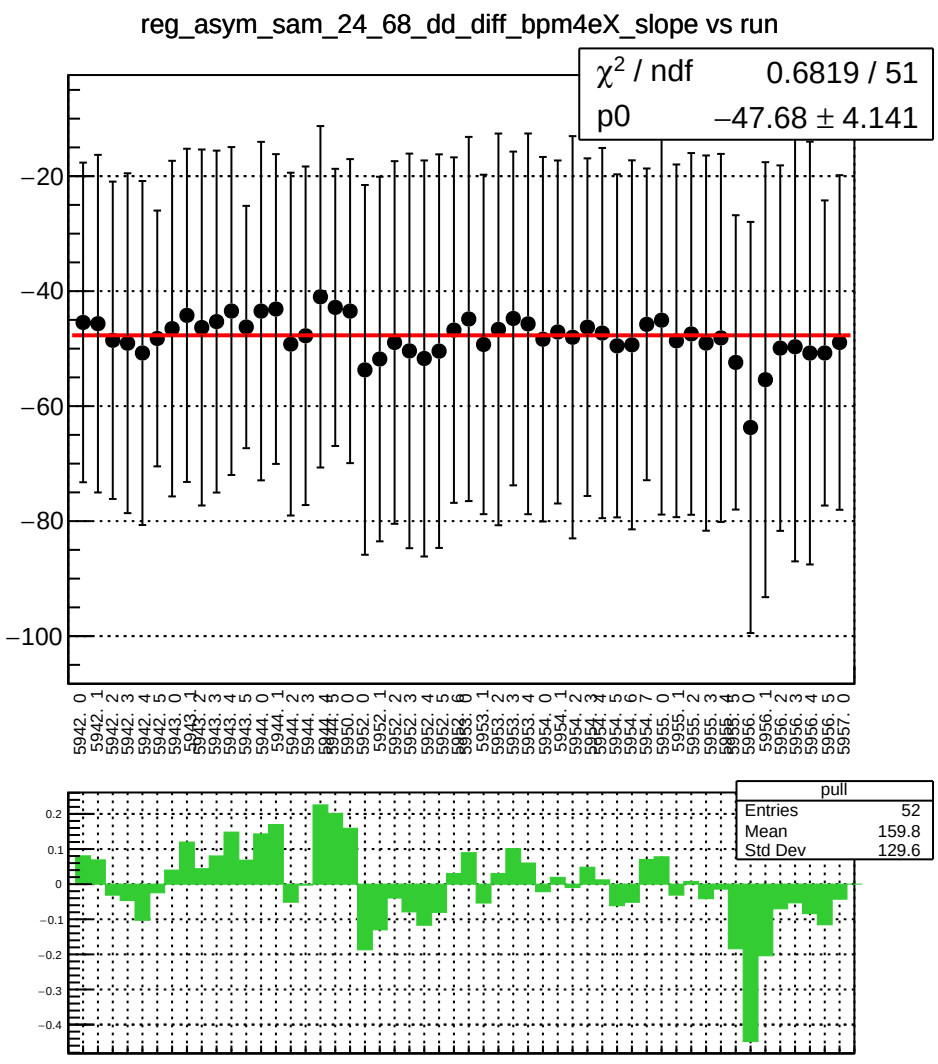

pull1D
Entries 52
Mean 0.00885
Std Dev 0.2002

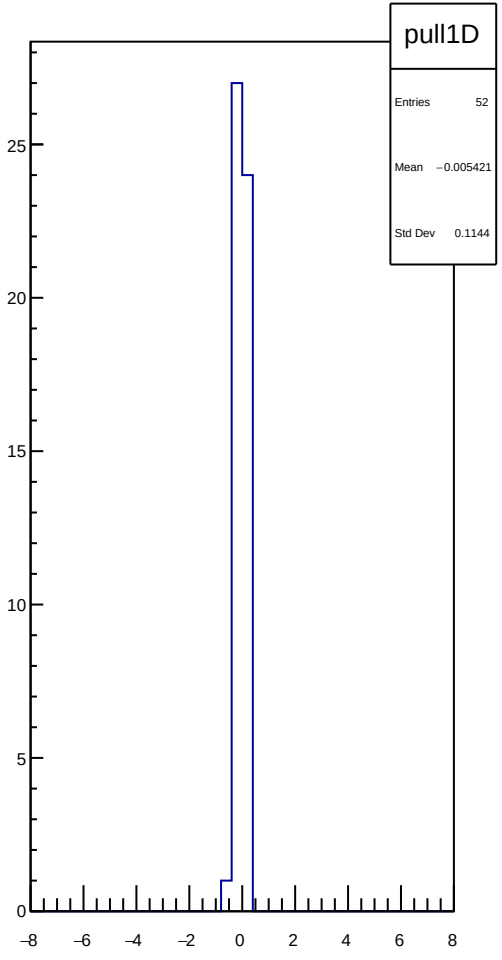

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.222 / 51
p0 0.229 ± 0.06954
pull
Entries 52
Mean 154.2
Std Dev 130.3

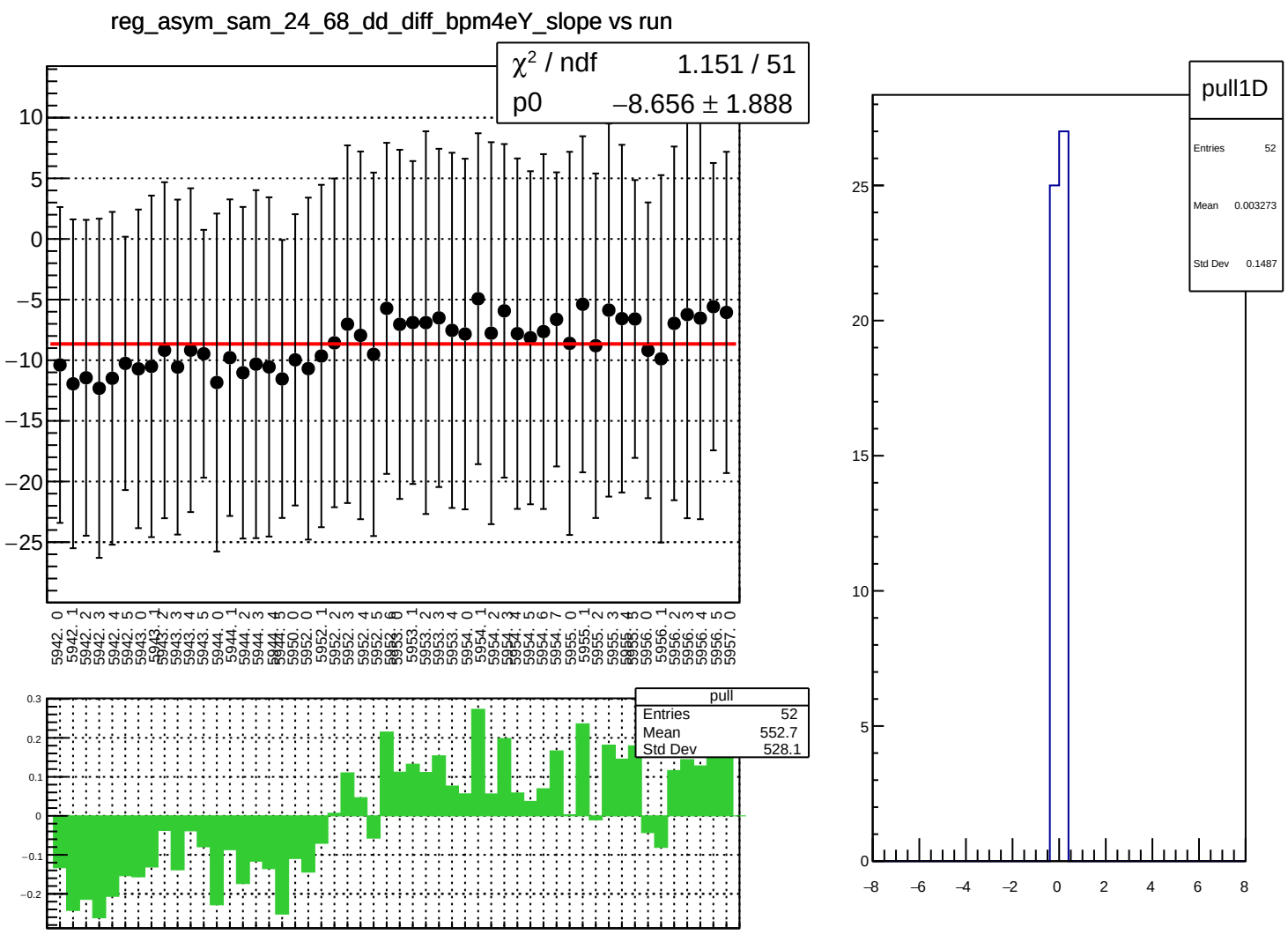

pull1D
Entries 52
Mean 0.01682
Std Dev 0.206

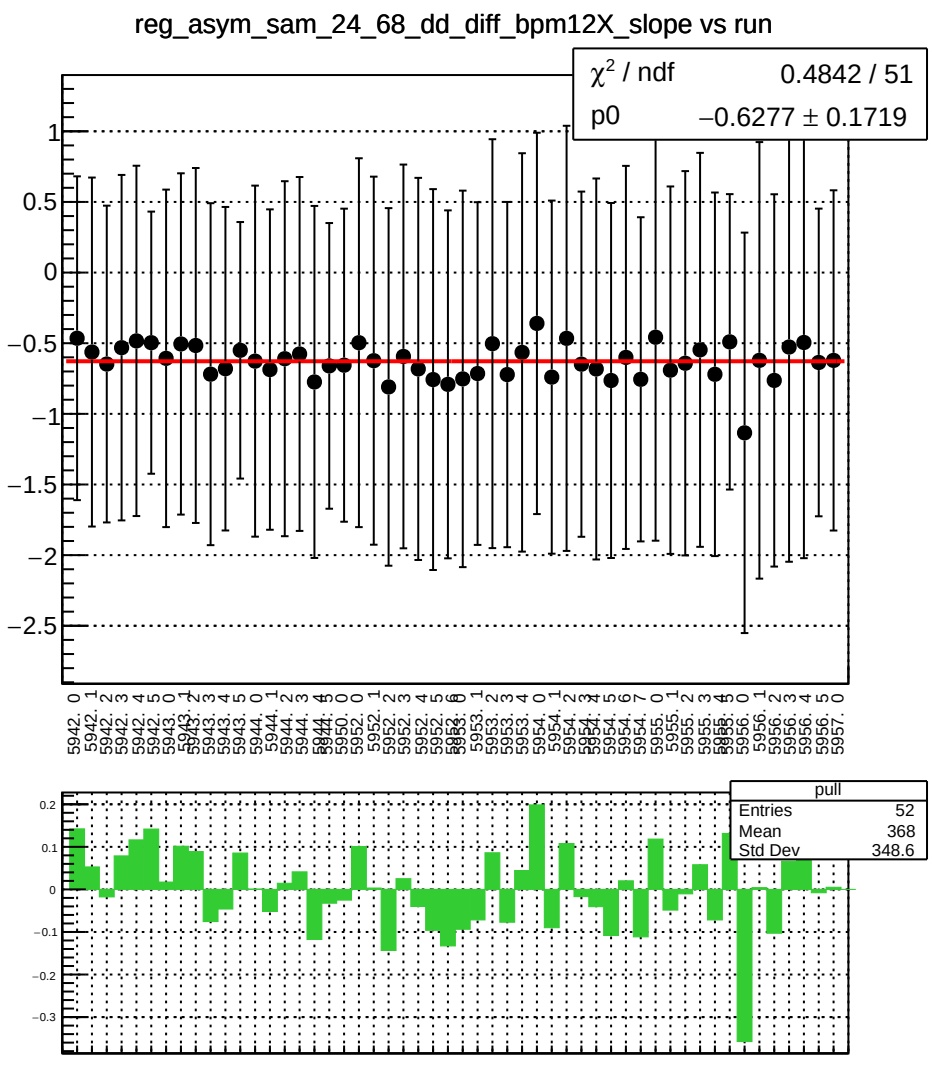

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4597 / 51
p0 −63.78 ± 3.902
pull
Entries 52
Mean −412.8
Std Dev 414.8
pull1D
Entries 52
Mean 0.0004034
Std Dev 0.09402

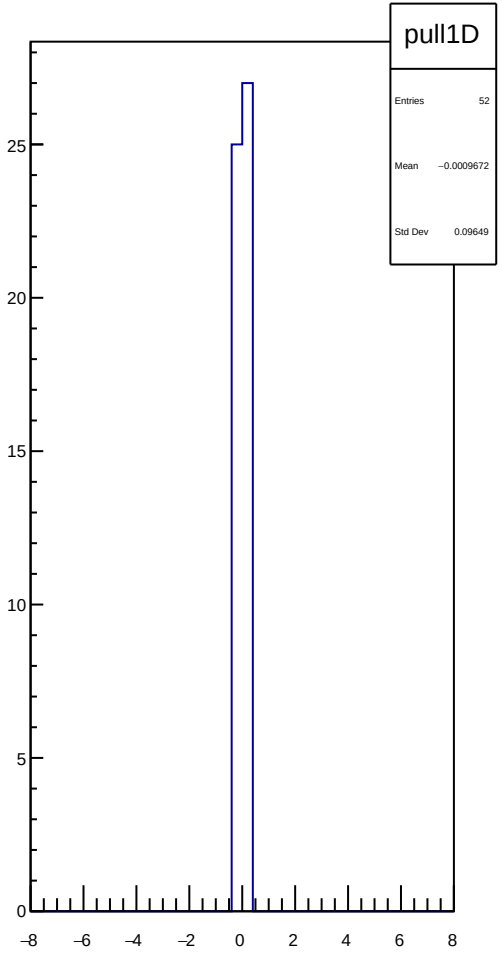

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3386 / 51
p0 −1.651 ± 1.447
pull
Entries 52
Mean −361.5
Std Dev 382.6
pull1D
Entries 52
Mean 0.0007244
Std Dev 0.08069

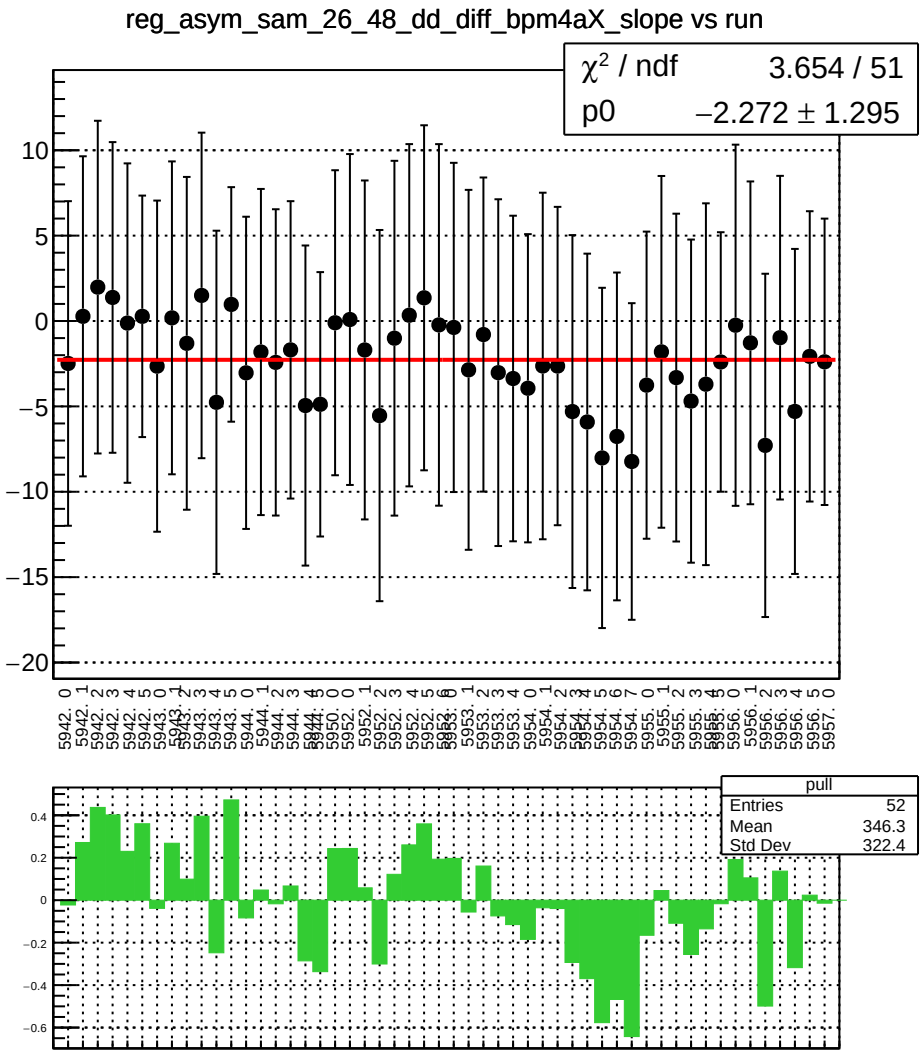

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6819 / 51
p0 −47.68 ± 4.141
pull
Entries 52
Mean 159.8
Std Dev 129.6

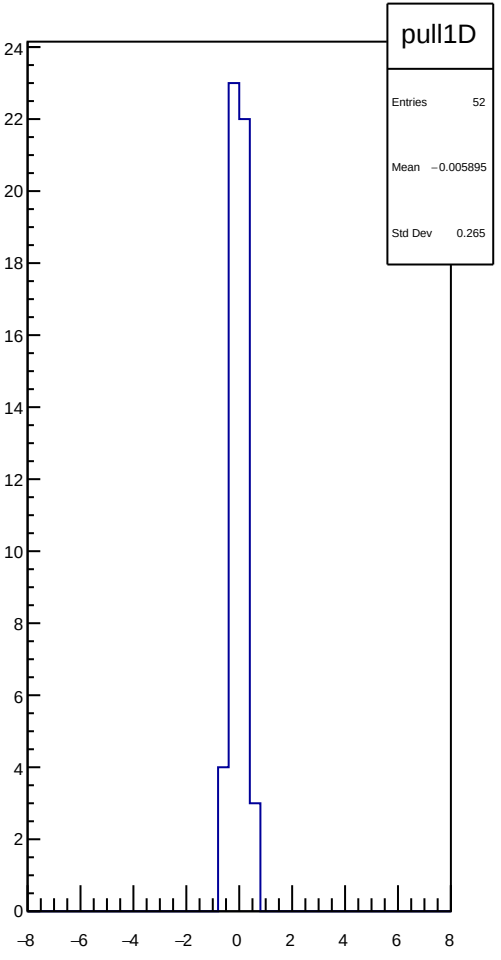

pull1D
Entries 52
Mean −0.005421
Std Dev 0.1144

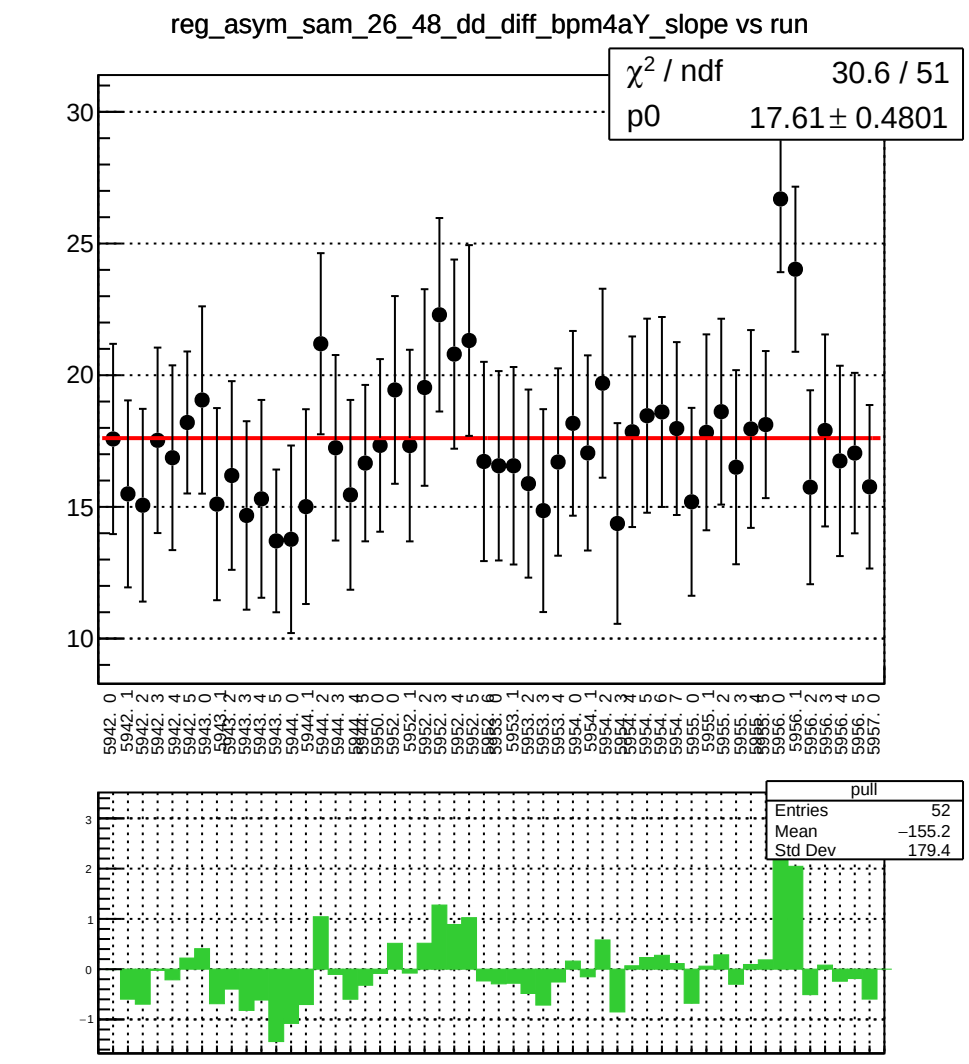

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.151 / 51
p0 −8.656 ± 1.888
pull
Entries 52
Mean 552.7
Std Dev 528.1
pull1D
Entries 52
Mean 0.003273
Std Dev 0.1487

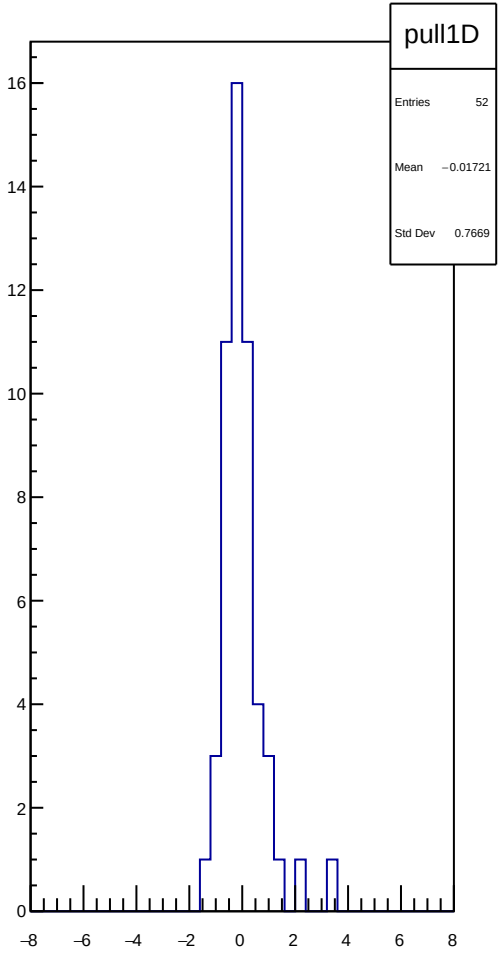

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.4842 / 51
p0 −0.6277 ± 0.1719
pull
Entries 52
Mean 368
Std Dev 348.6

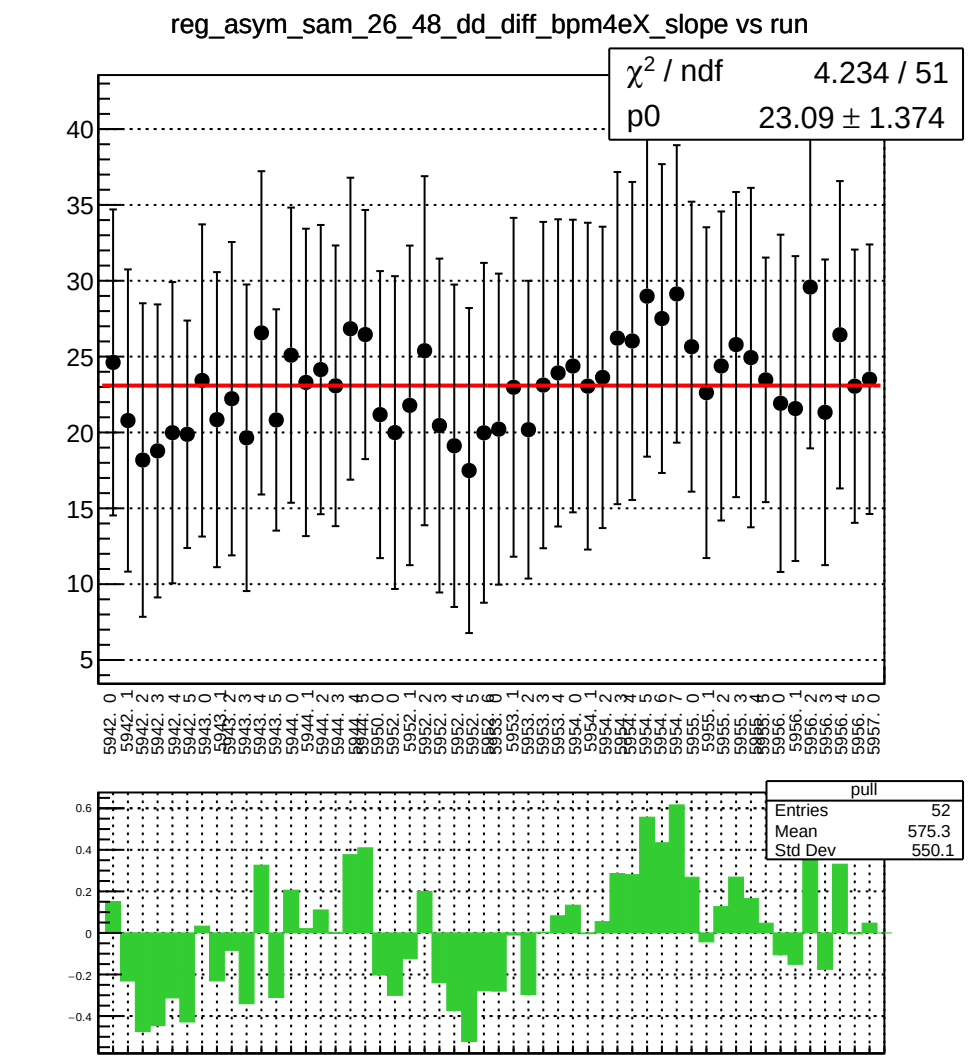

pull1D
Entries 52
Mean −0.0009672
Std Dev 0.09649

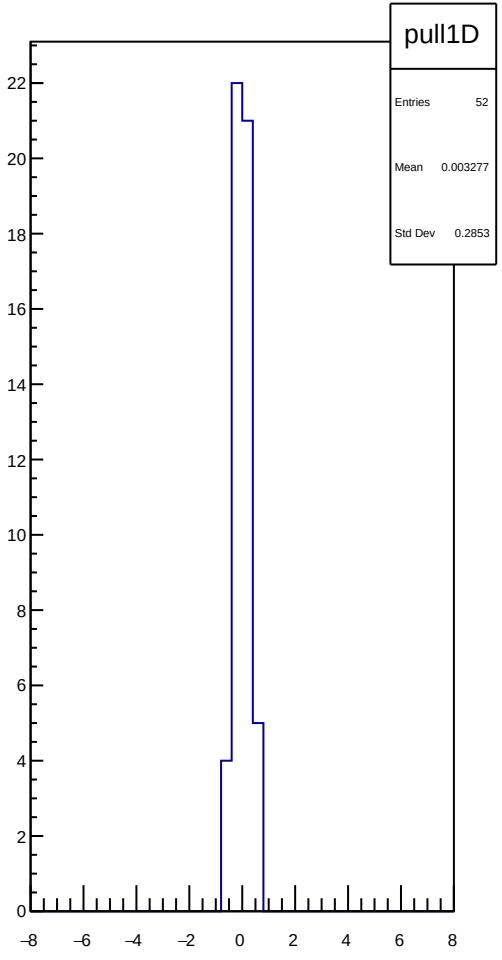

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.654 / 51
p0 −2.272 ± 1.295
pull
Entries 52
Mean 346.3
Std Dev 322.4

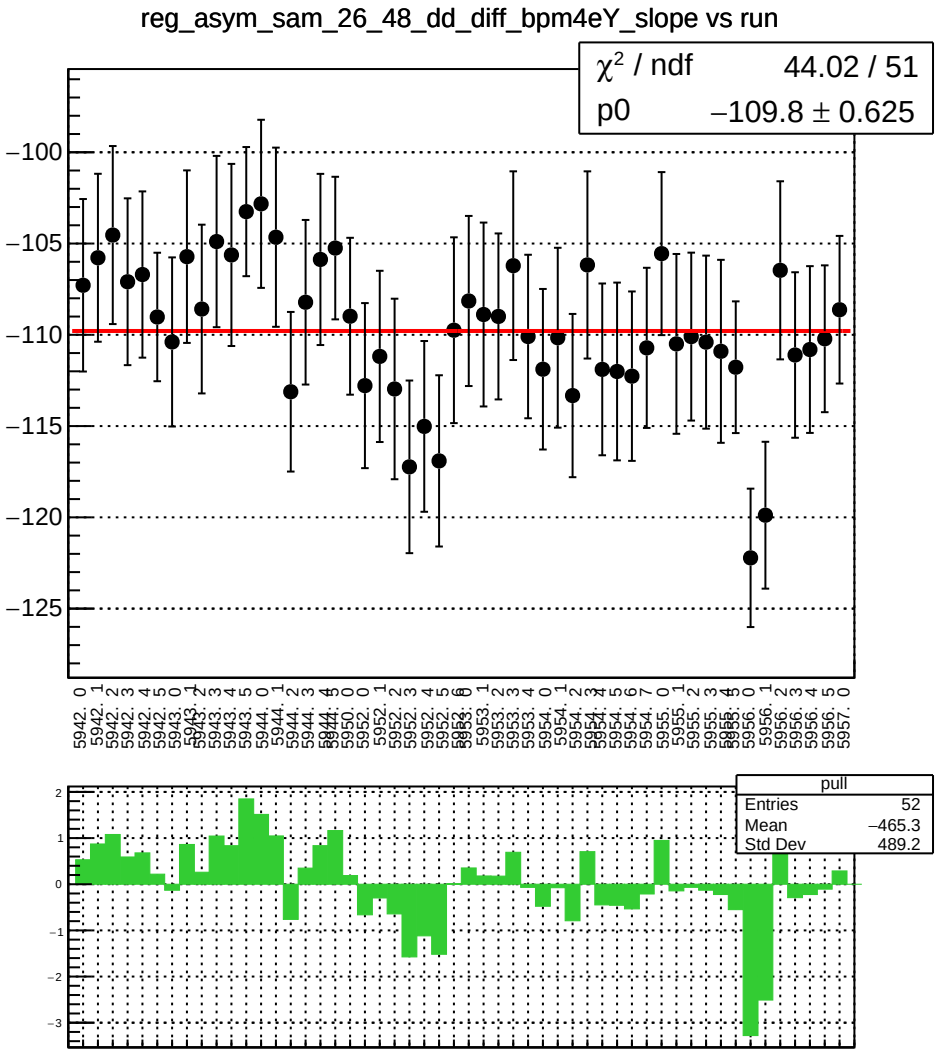

pull1D
Entries 52
Mean −0.005895
Std Dev 0.265

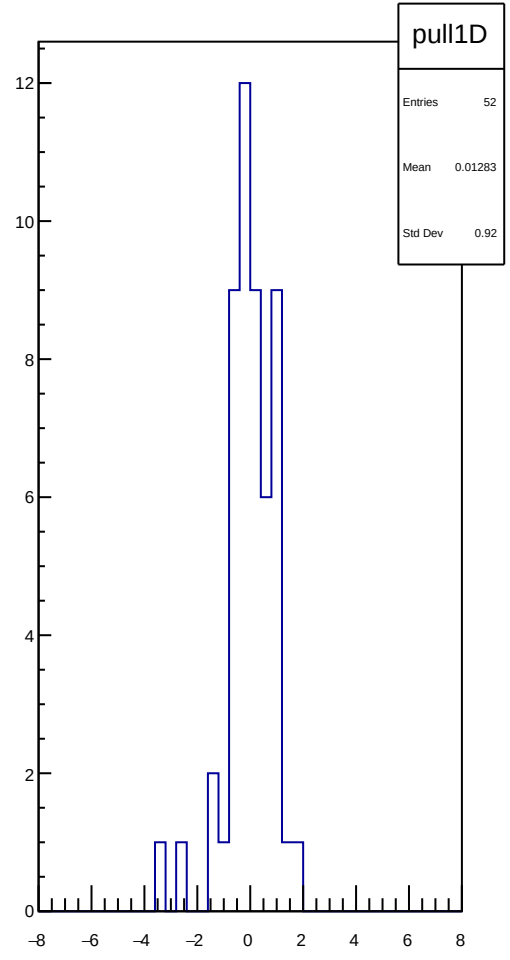

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.6 / 51
p0 17.61 ± 0.4801
pull
Entries 52
Mean −155.2
Std Dev 179.4

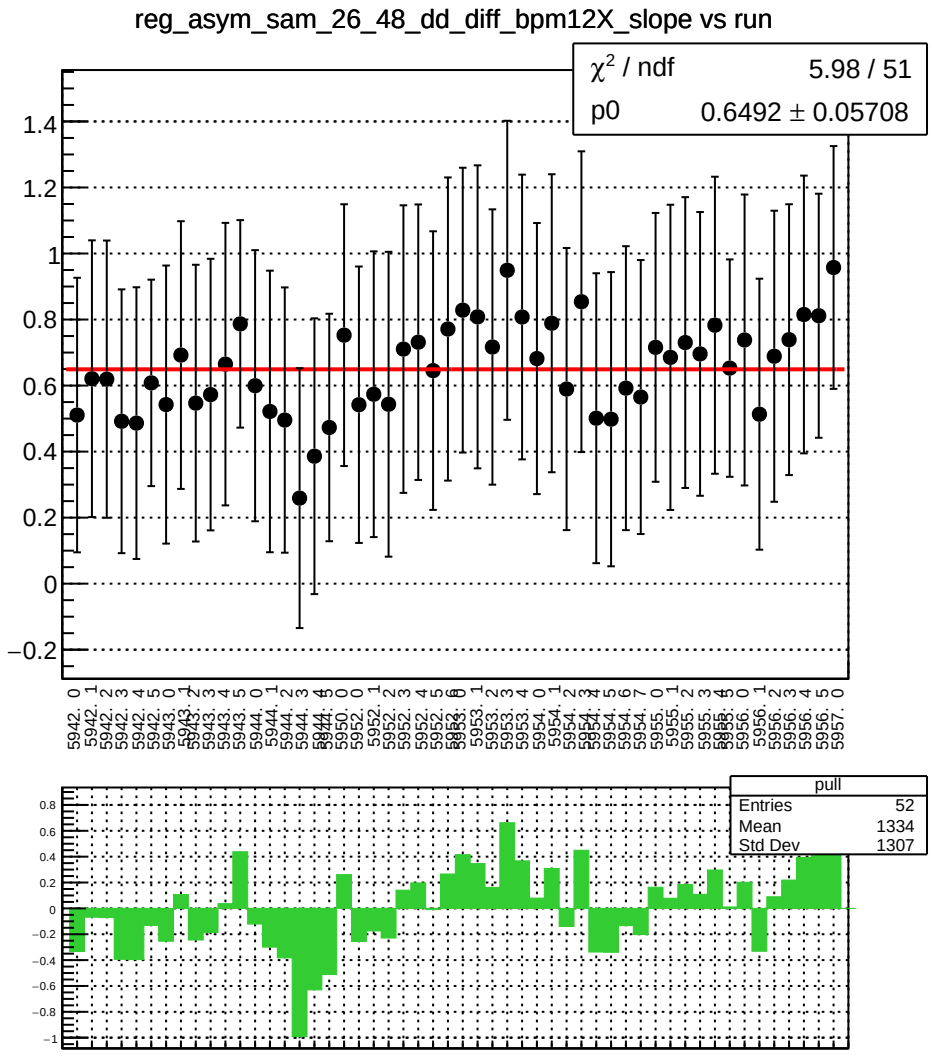

pull1D
Entries 52
Mean −0.01721
Std Dev 0.7669

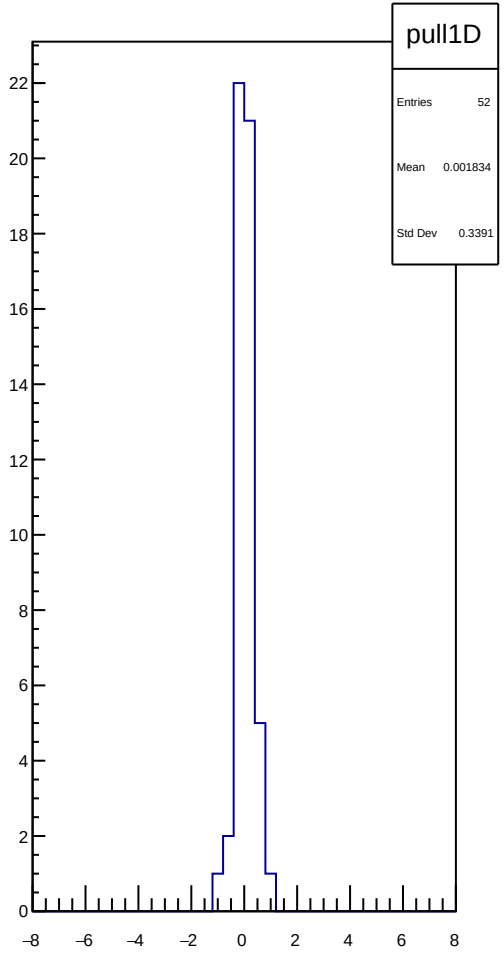

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.234 / 51
p0 23.09 ± 1.374
pull
Entries 52
Mean 575.3
Std Dev 550.1

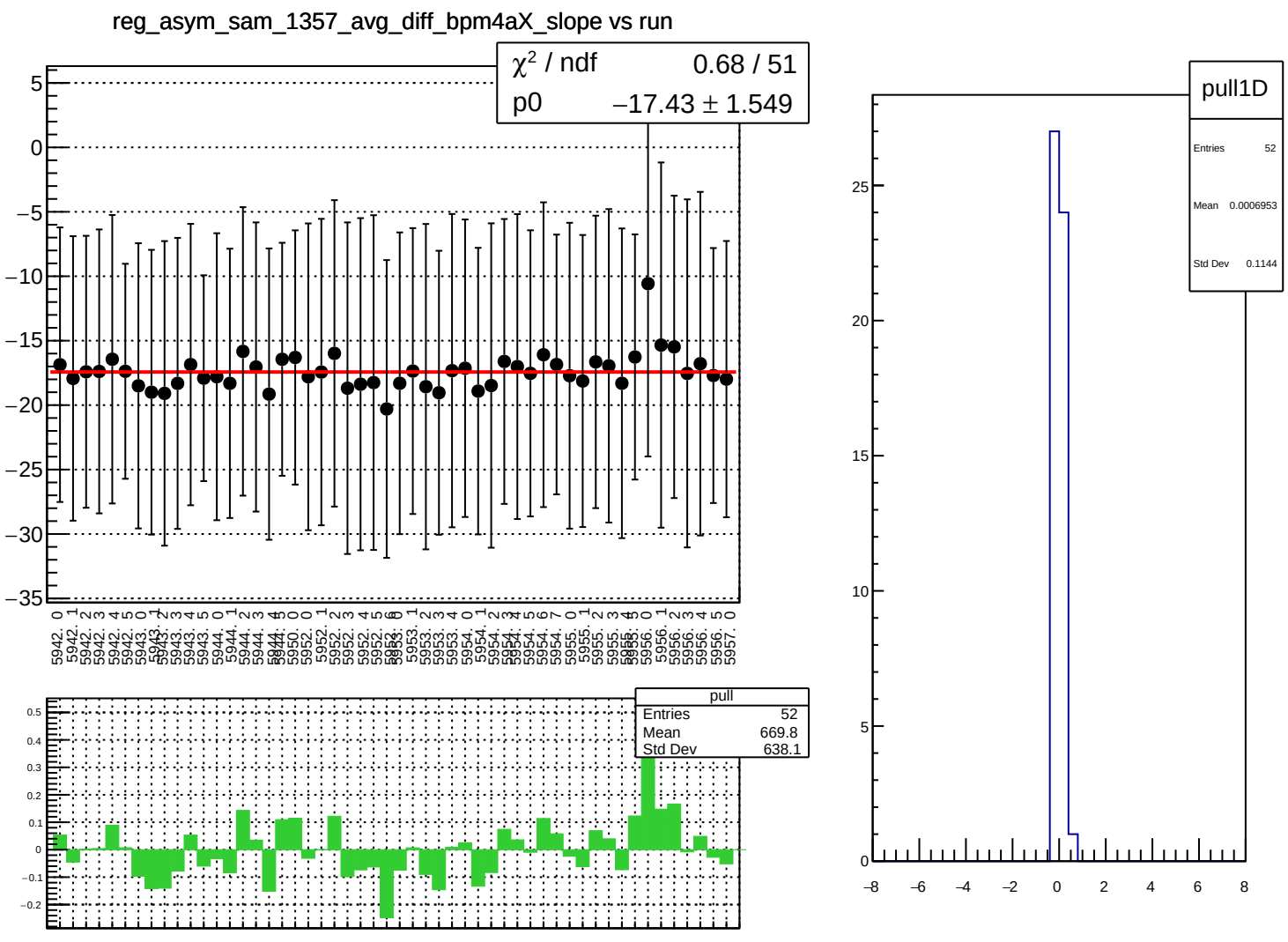

pull1D
Entries 52
Mean 0.003277
Std Dev 0.2853

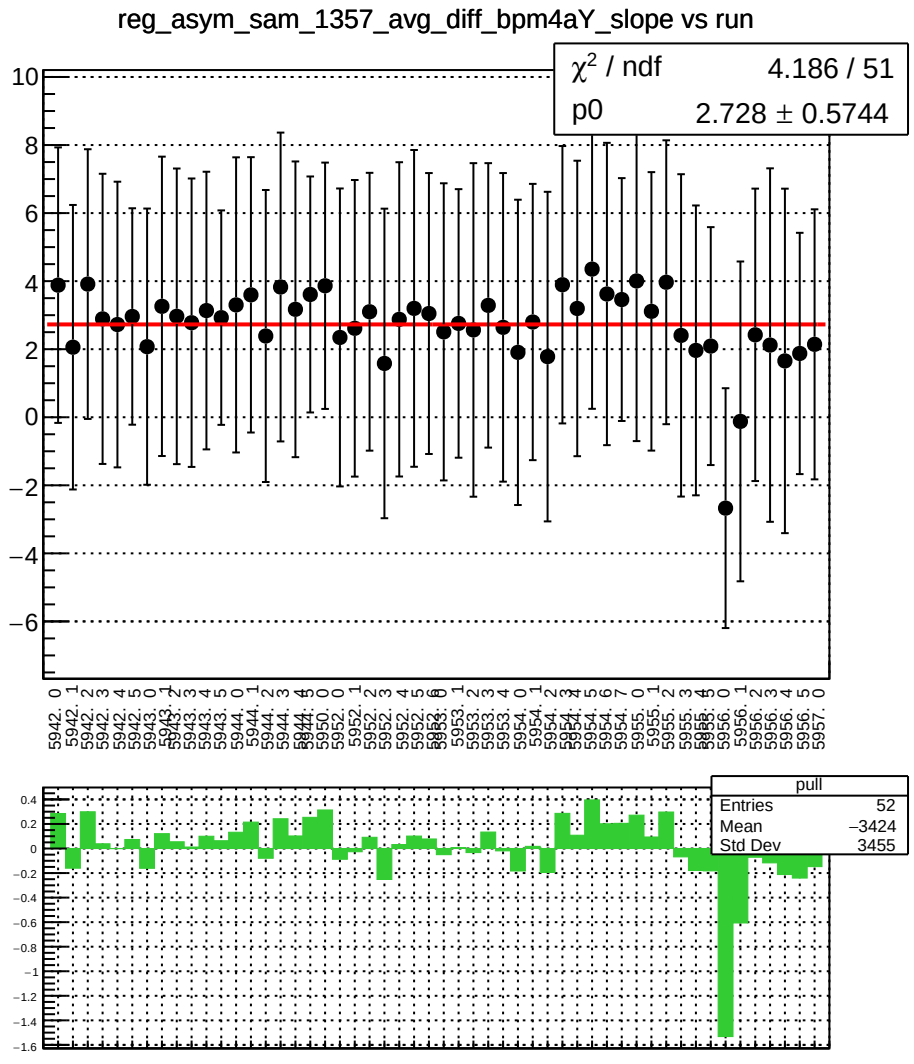

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.02 / 51
p0 −109.8 ± 0.625
pull
Entries 52
Mean −465.3
Std Dev 489.2

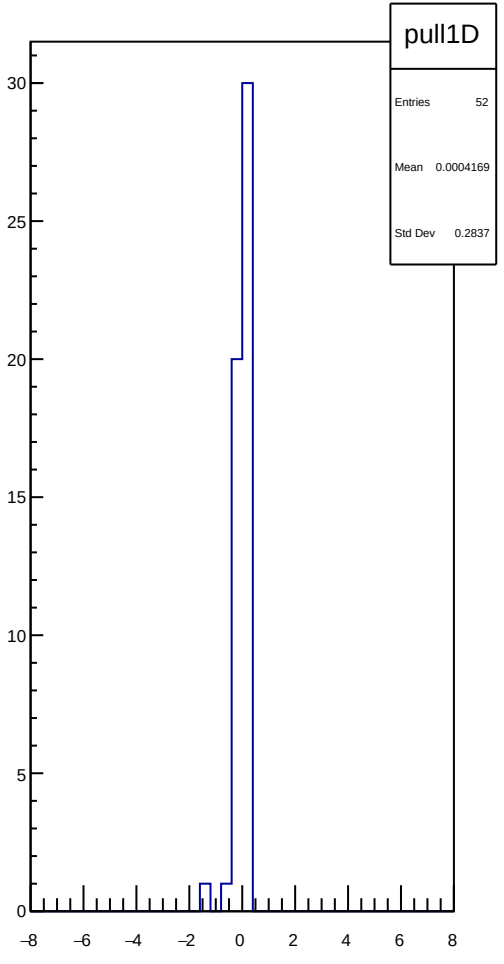

pull1D
Entries 52
Mean 0.01283
Std Dev 0.92

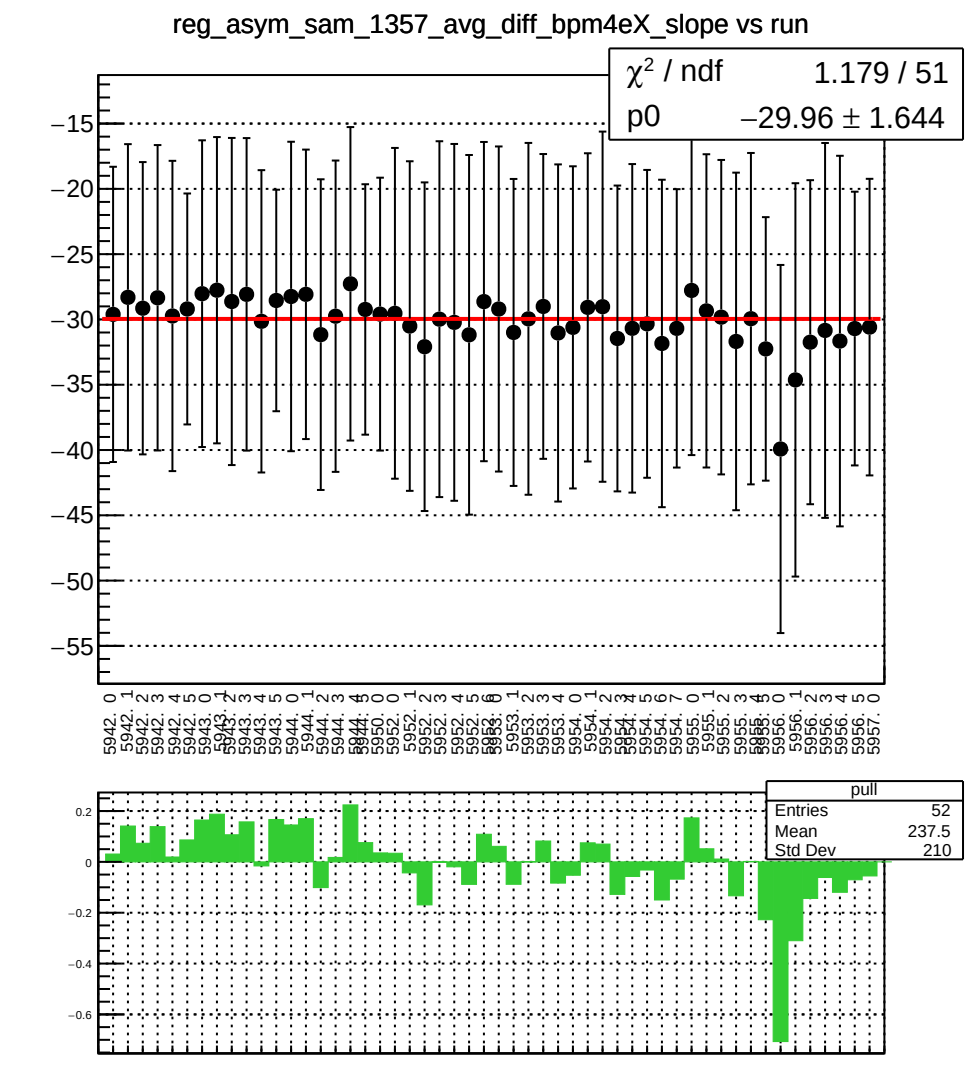

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.98 / 51
p0 0.6492 ± 0.05708
pull
Entries 52
Mean 1334
Std Dev 1307

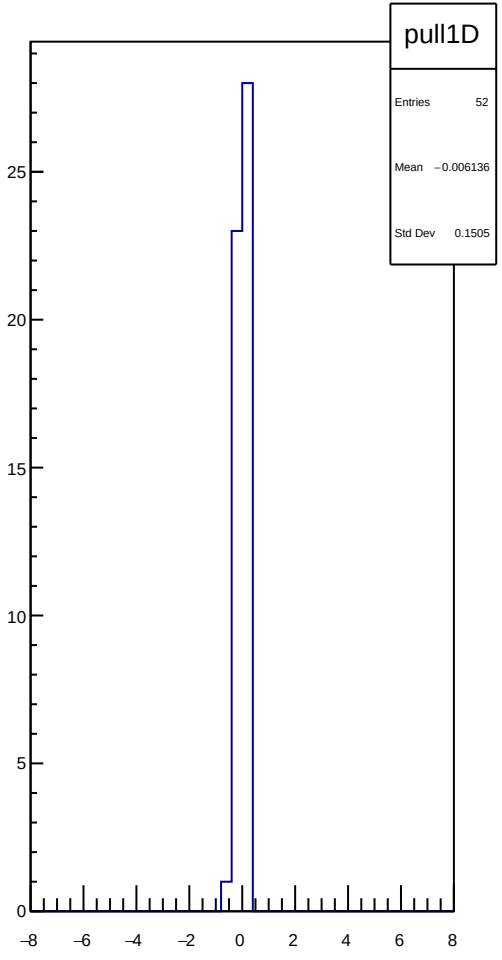

pull1D
Entries 52
Mean 0.001834
Std Dev 0.3391

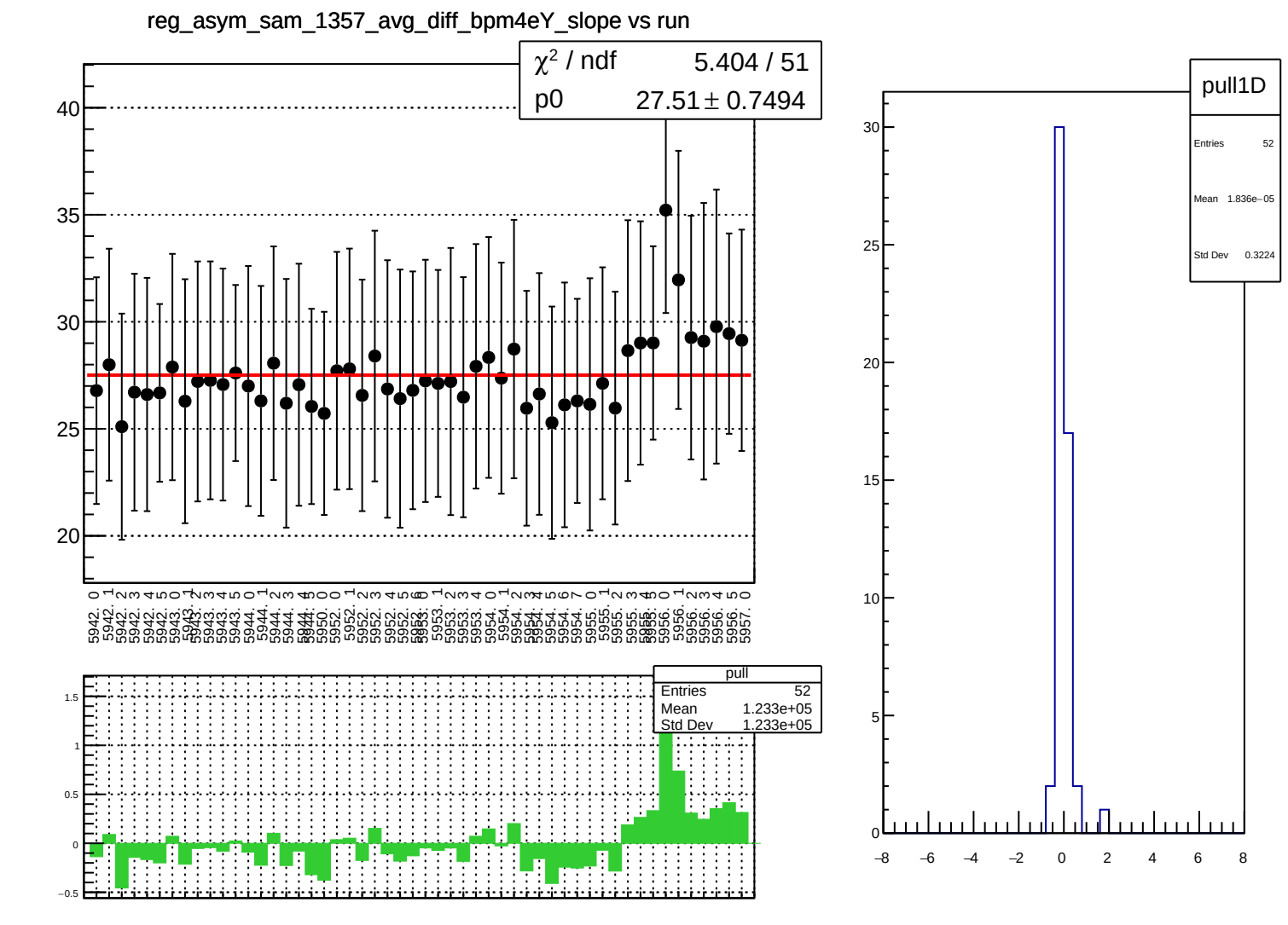

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.68 / 51
p0 −17.43 ± 1.549
pull
Entries 52
Mean 669.8
Std Dev 638.1
pull1D
Entries 52
Mean 0.0006953
Std Dev 0.1144

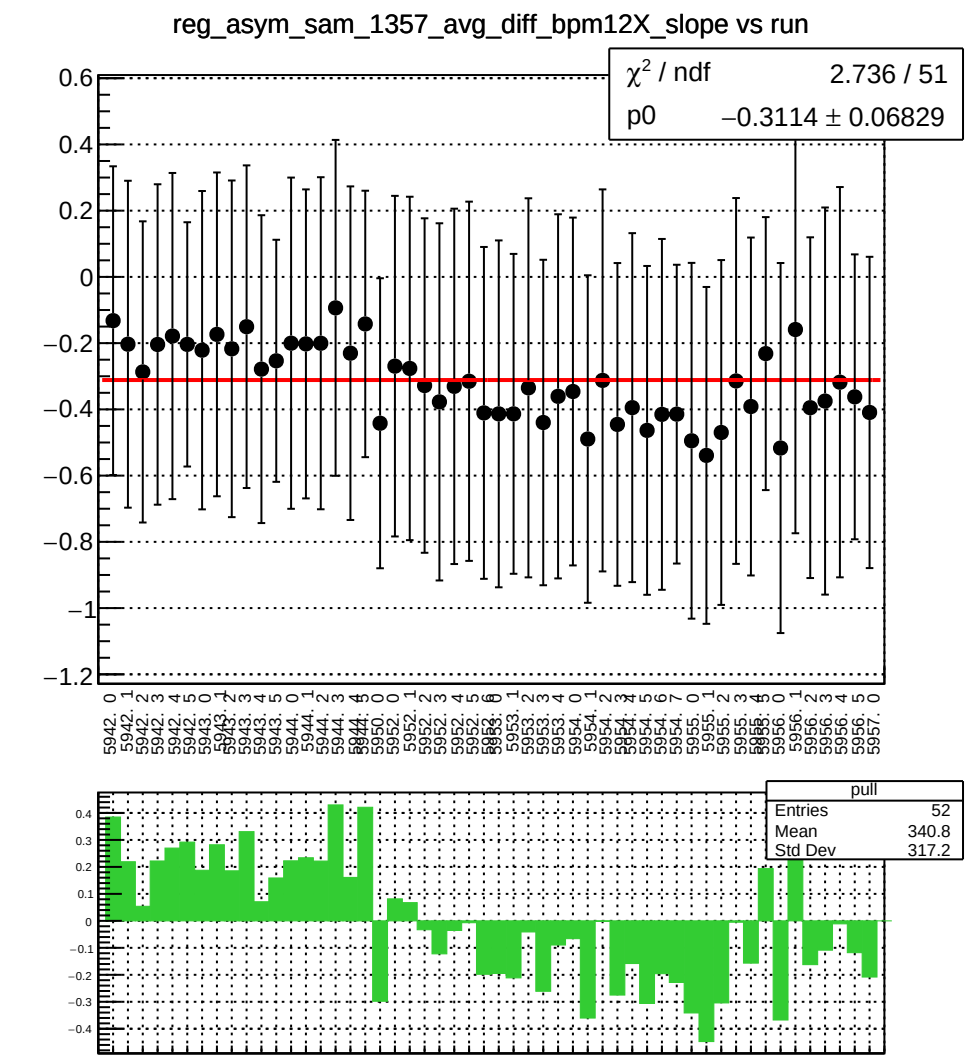

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.186 / 51
p0 2.728 ± 0.5744
pull
Entries 52
Mean −3424
Std Dev 3455

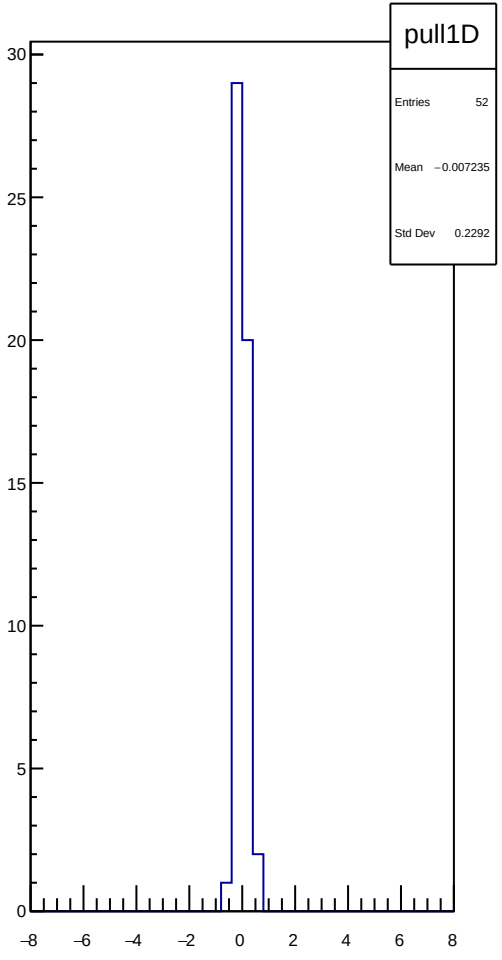

pull1D
Entries 52
Mean 0.0004169
Std Dev 0.2837

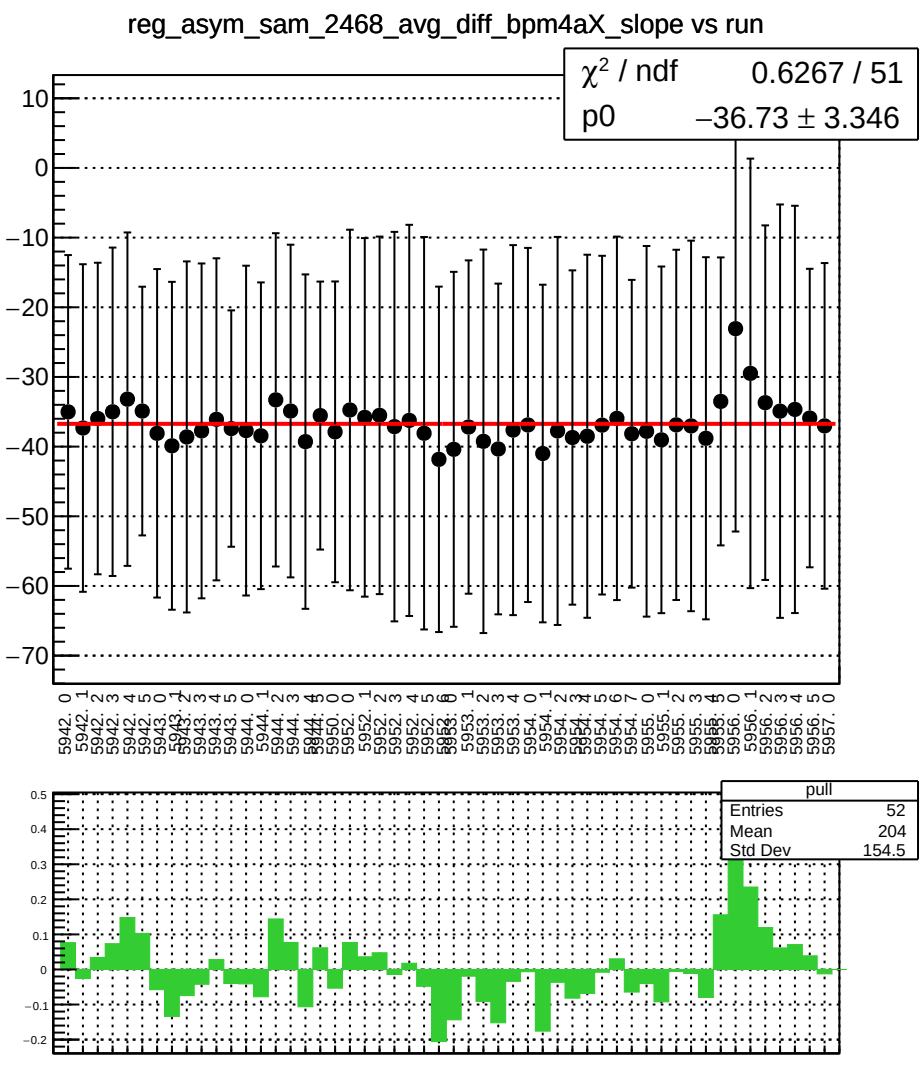

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.179 / 51
p0 −29.96 ± 1.644
pull
Entries 52
Mean 237.5
Std Dev 210

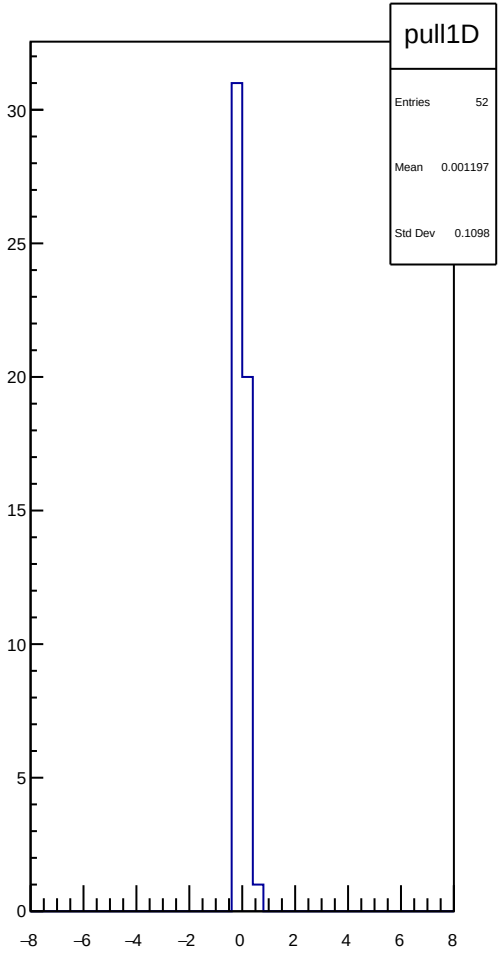

pull1D
Entries 52
Mean −0.006136
Std Dev 0.1505

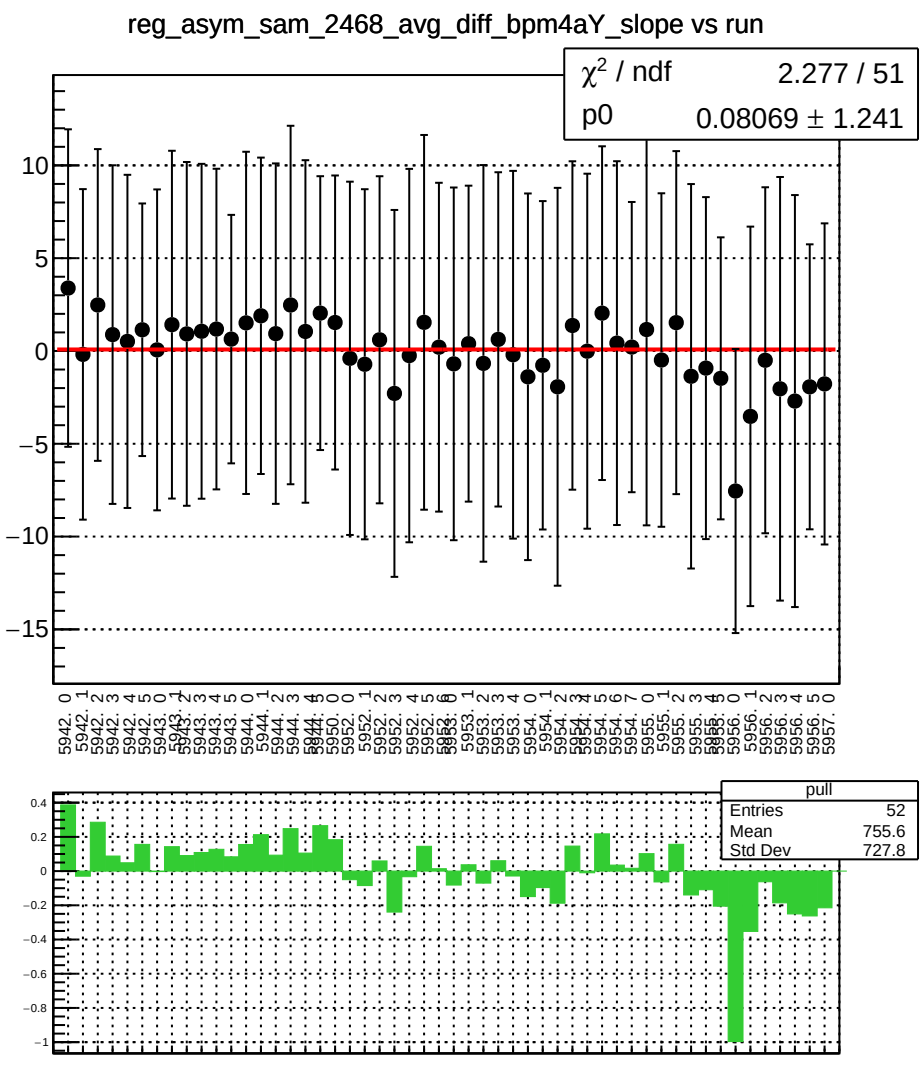

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.404 / 51
p0 27.51 ± 0.7494
pull
Entries 52
Mean 1.233e+05
Std Dev 1.233e+05
pull1D
Entries 52
Mean 1.836e−05
Std Dev 0.3224

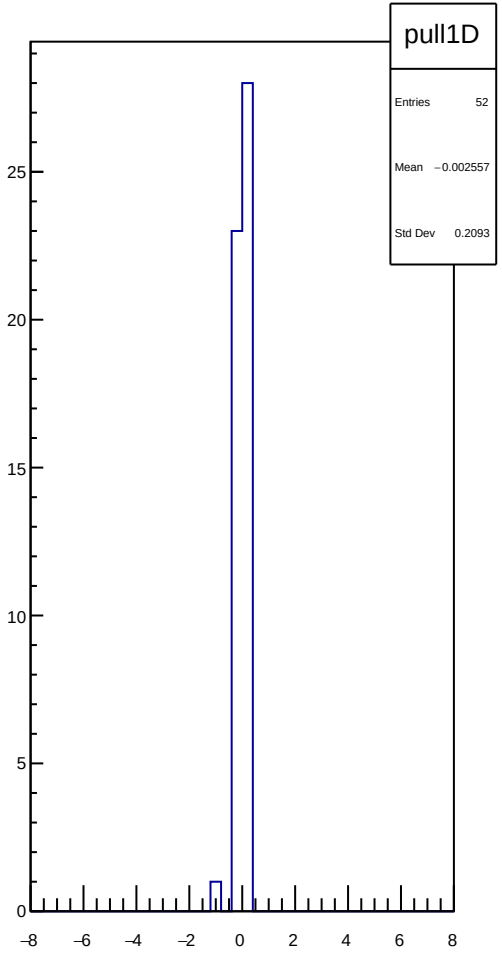

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.736 / 51
p0 −0.3114 ± 0.06829
pull
Entries 52
Mean 340.8
Std Dev 317.2

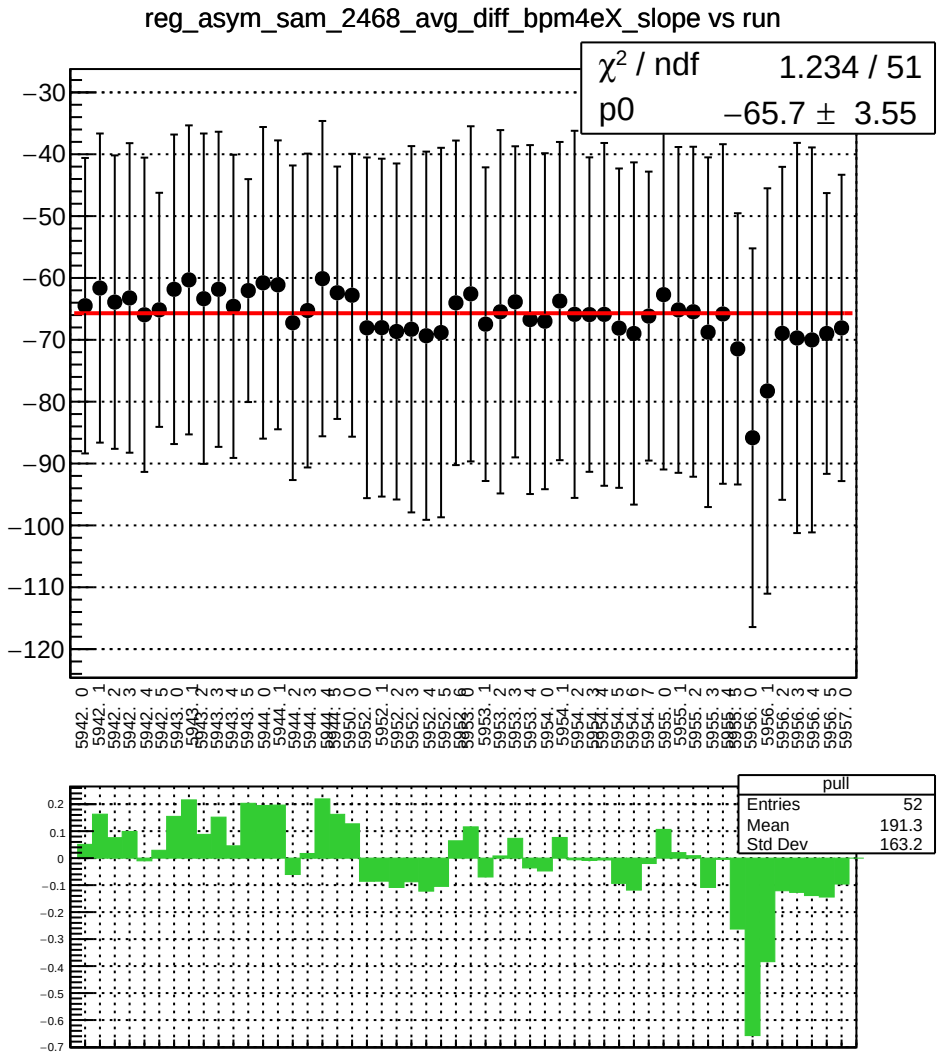

pull1D
Entries 52
Mean −0.007235
Std Dev 0.2292

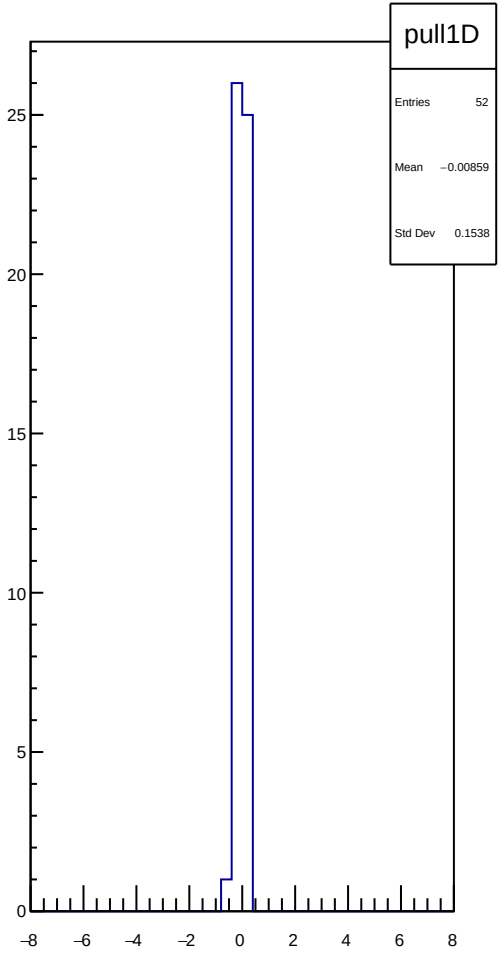

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6267 / 51
p0 −36.73 ± 3.346
pull
Entries 52
Mean 204
Std Dev 154.5

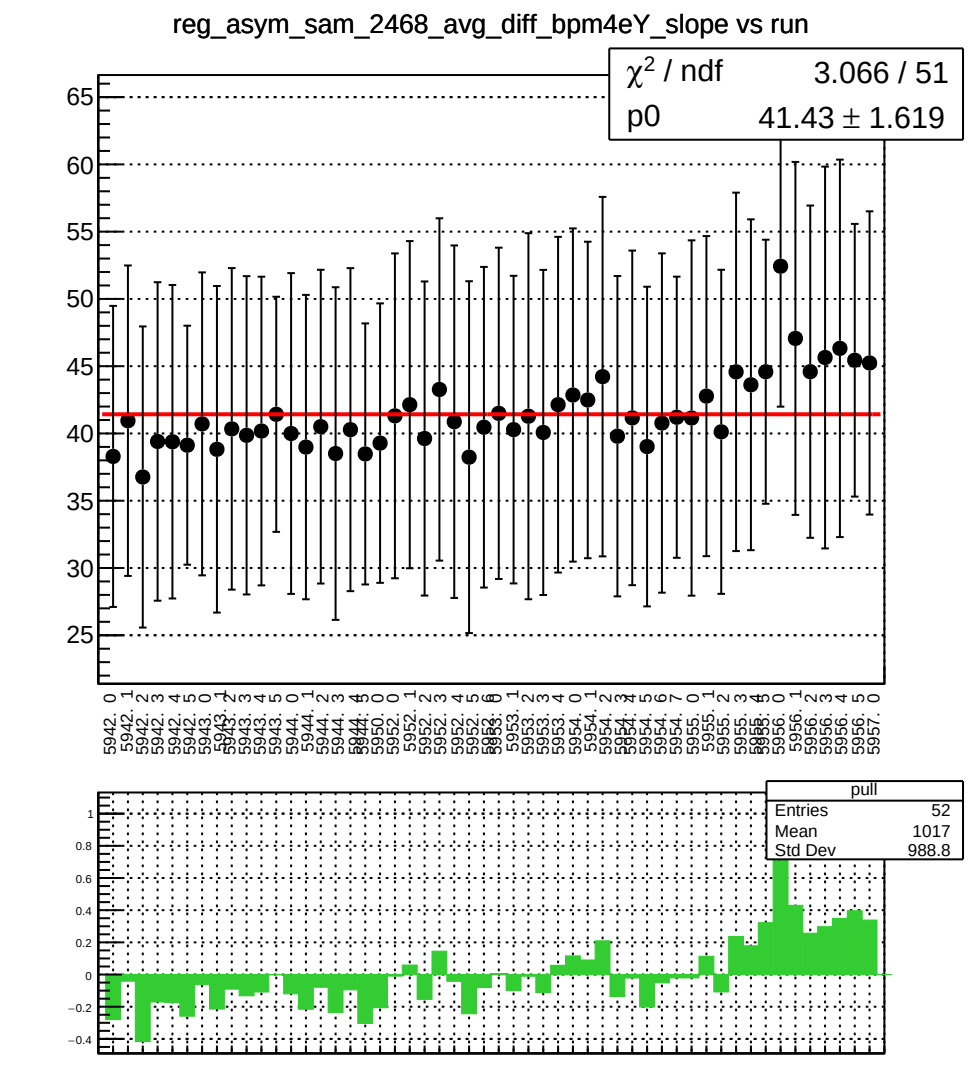

pull1D
Entries 52
Mean 0.001197
Std Dev 0.1098

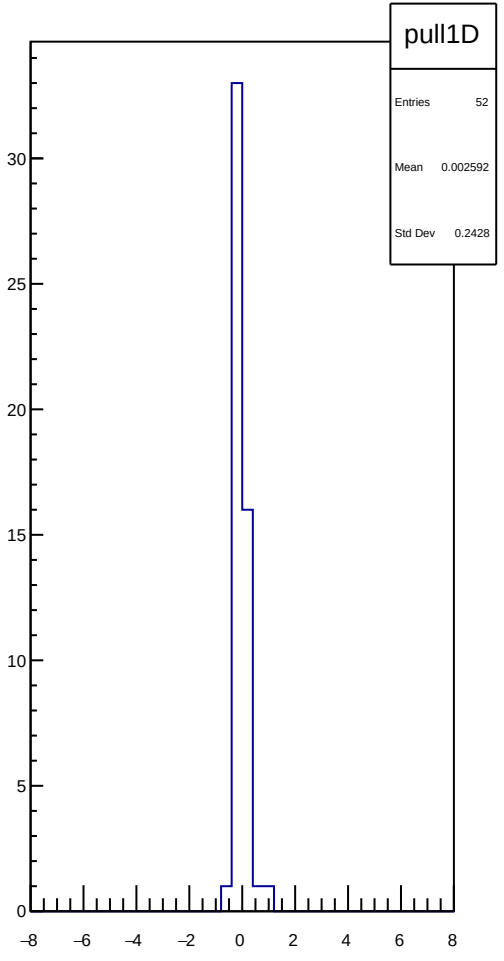

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.277 / 51
p0 0.08069 ± 1.241
pull
Entries 52
Mean 755.6
Std Dev 727.8

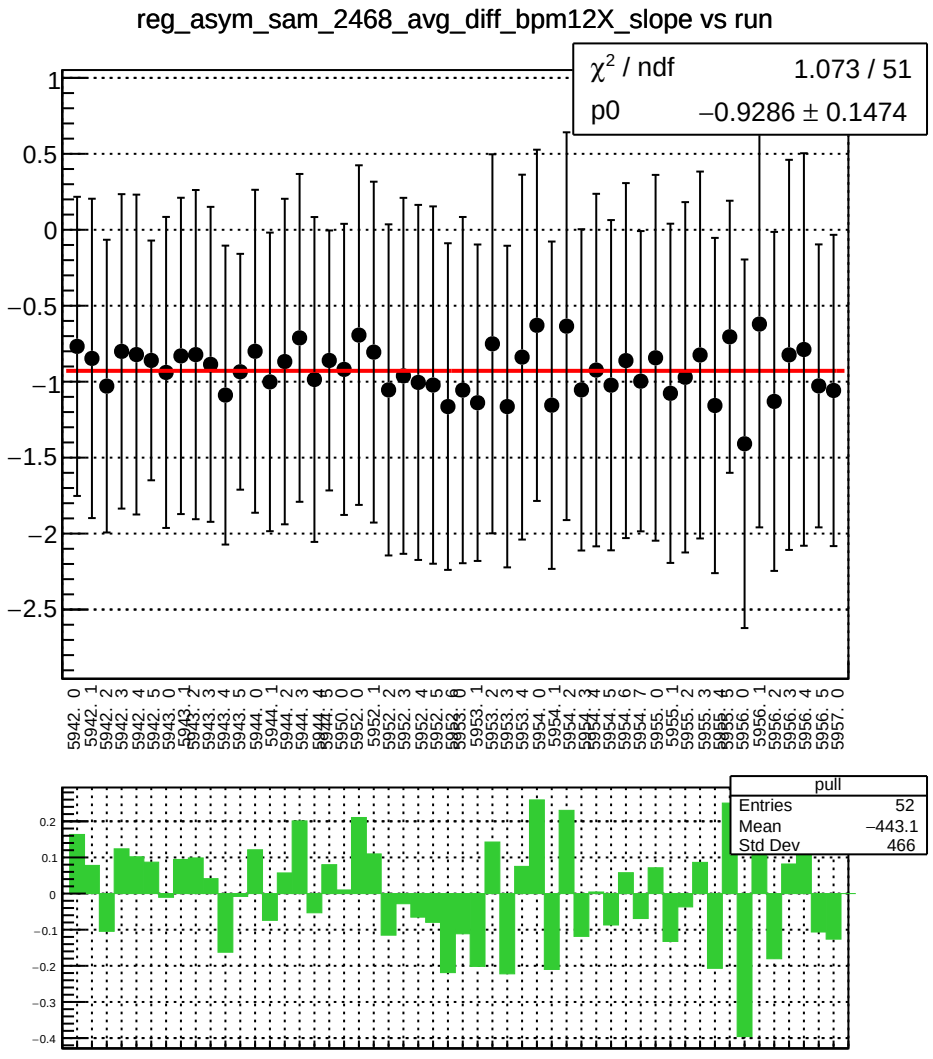

pull1D
Entries 52
Mean −0.002557
Std Dev 0.2093

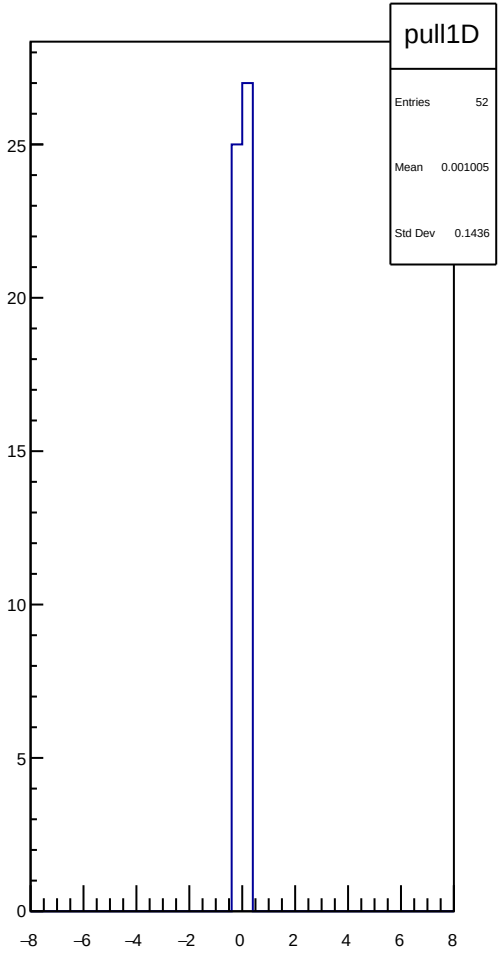

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.234 / 51
p0 −65.7 ± 3.55
pull
Entries 52
Mean 191.3
Std Dev 163.2

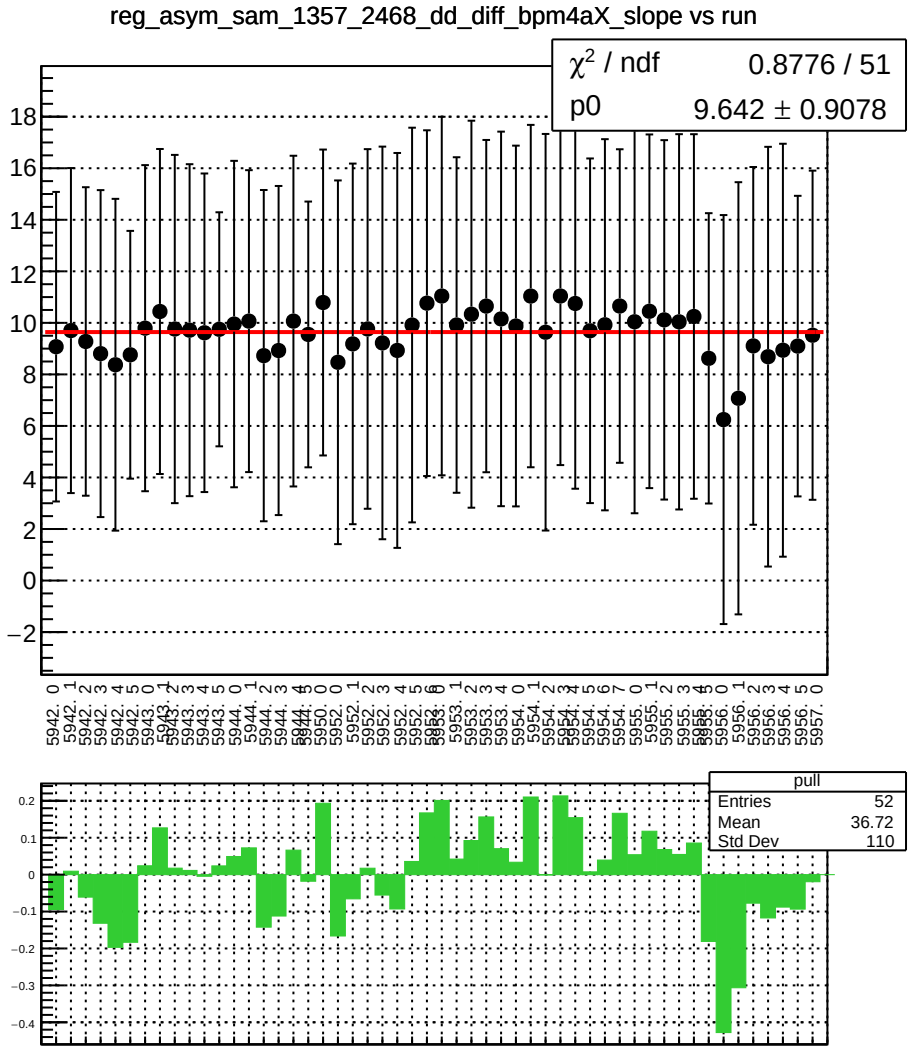

pull1D
Entries 52
Mean −0.00859
Std Dev 0.1538

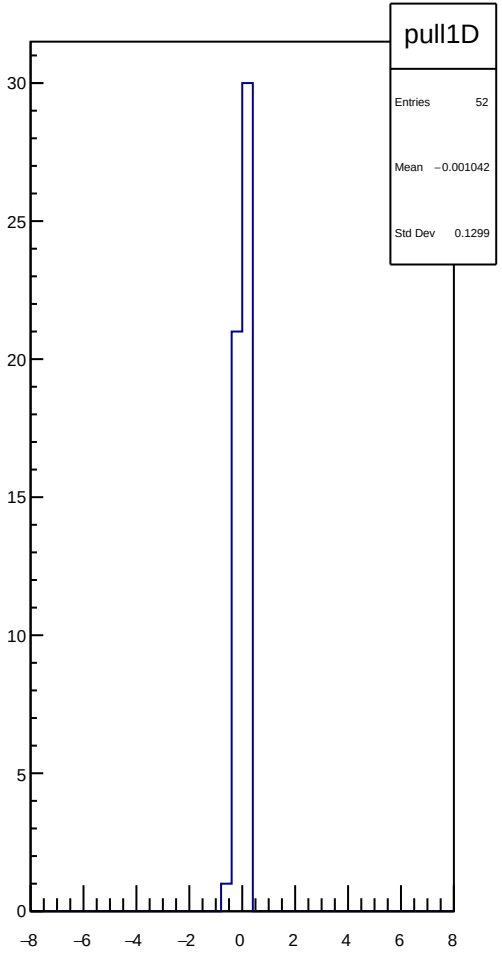

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.066 / 51
p0 41.43 ± 1.619
pull
Entries 52
Mean 1017
Std Dev 988.8

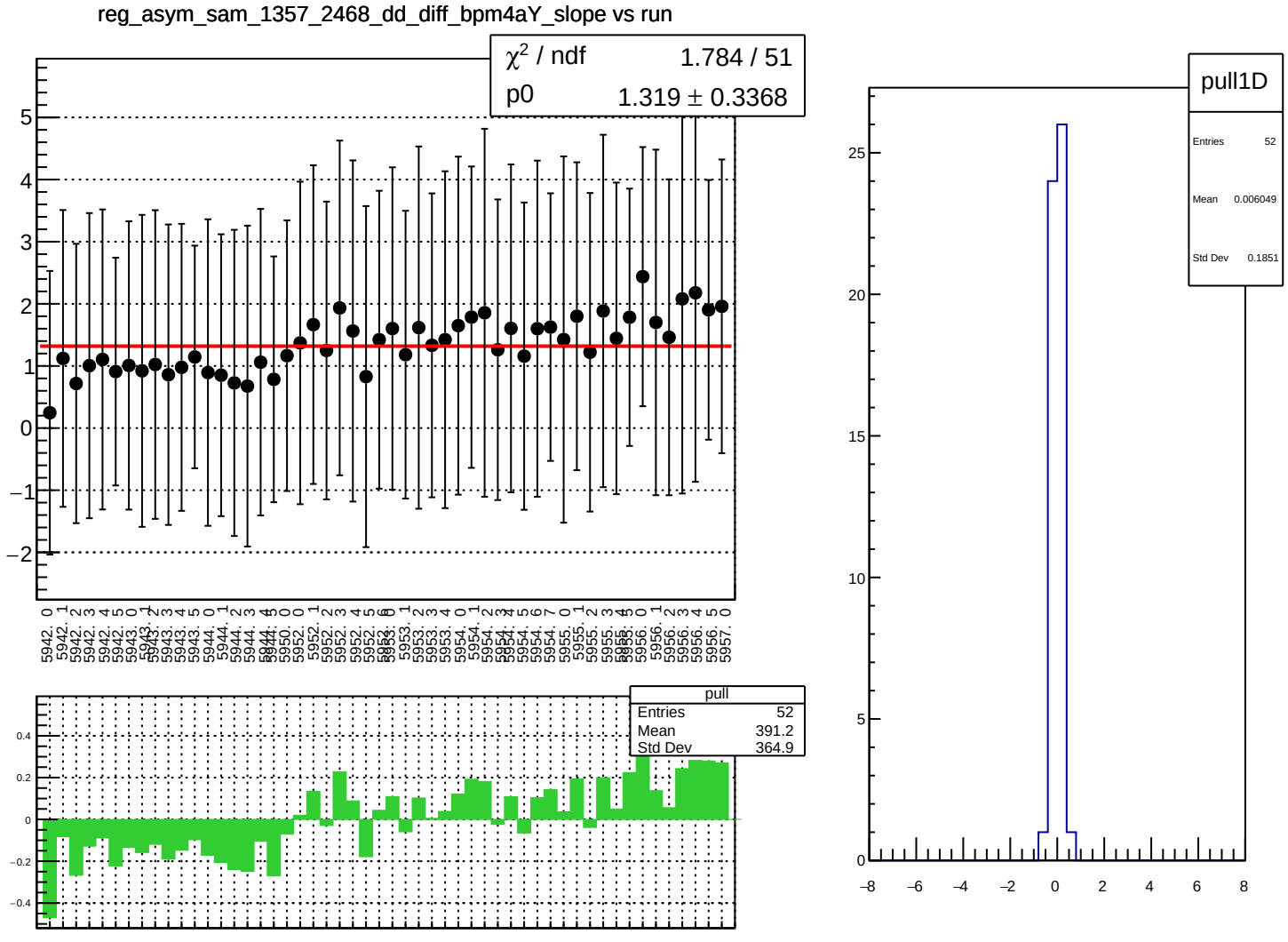

pull1D
Entries 52
Mean 0.002592
Std Dev 0.2428

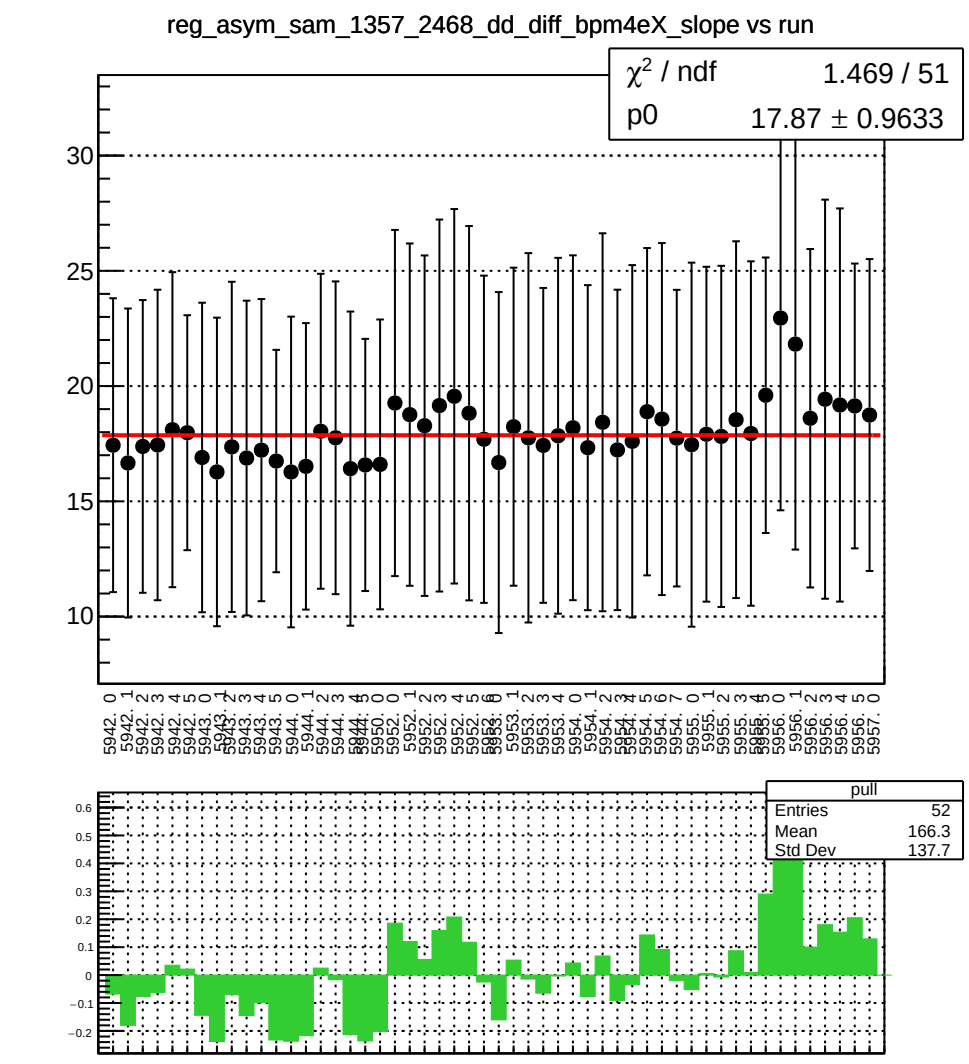

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.073 / 51
p0 −0.9286 ± 0.1474
pull
Entries 52
Mean −443.1
Std Dev 466

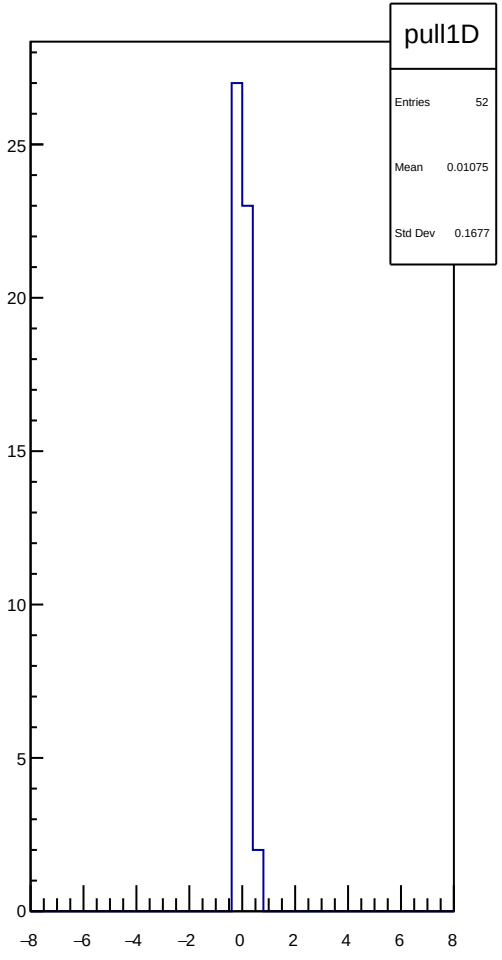

pull1D
Entries 52
Mean 0.001005
Std Dev 0.1436

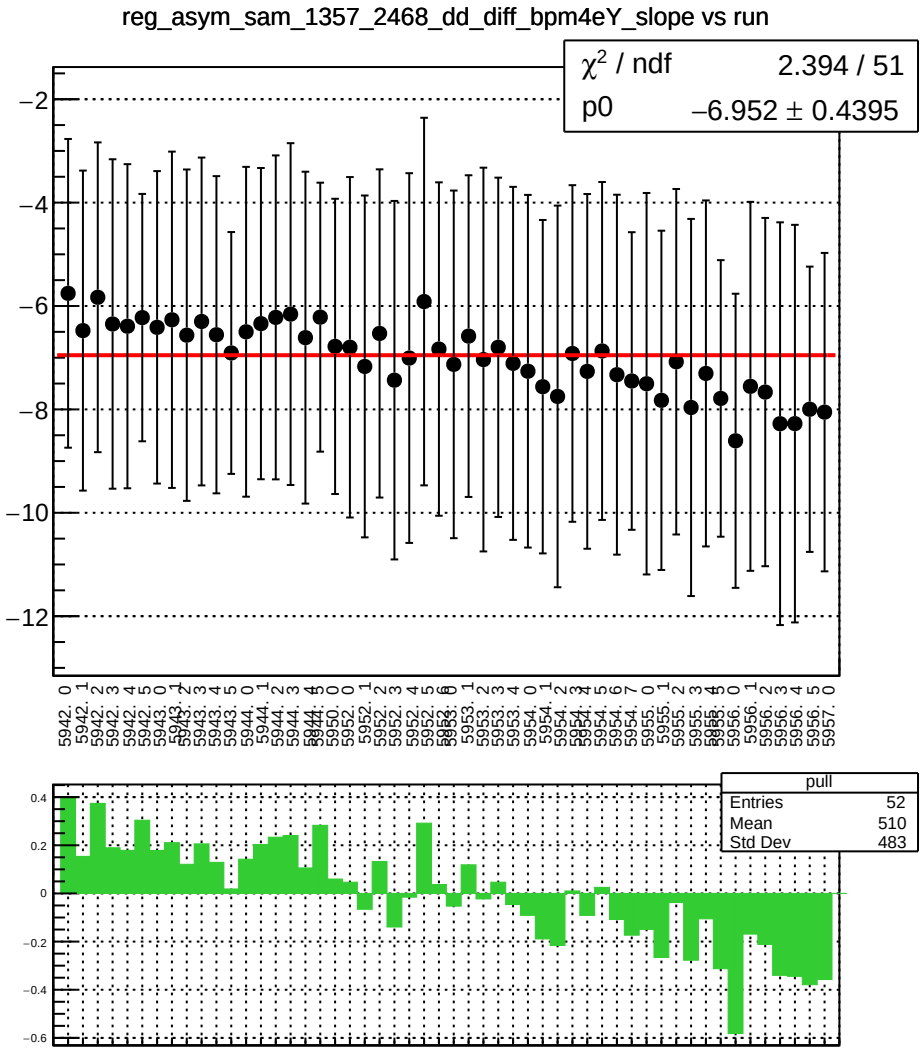

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8776 / 51
p0 9.642 ± 0.9078
pull
Entries 52
Mean 36.72
Std Dev 110

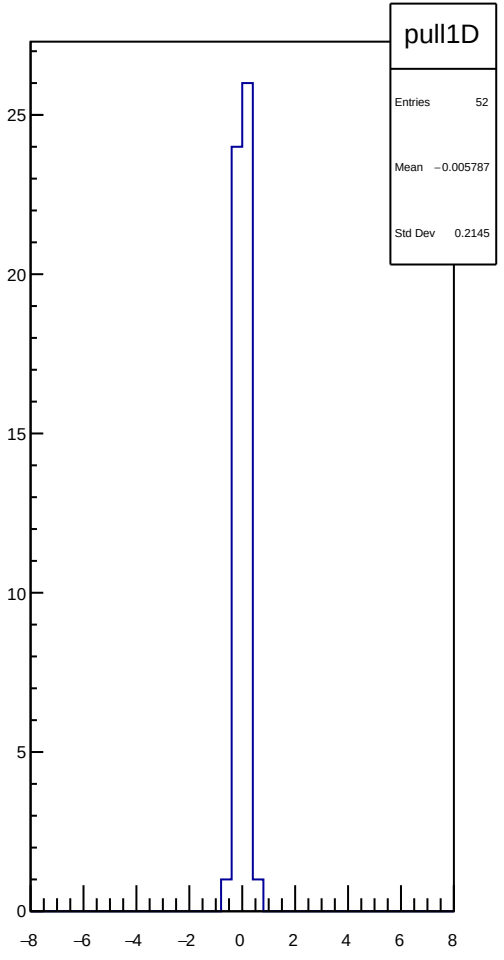

pull1D
Entries 52
Mean −0.001042
Std Dev 0.1299

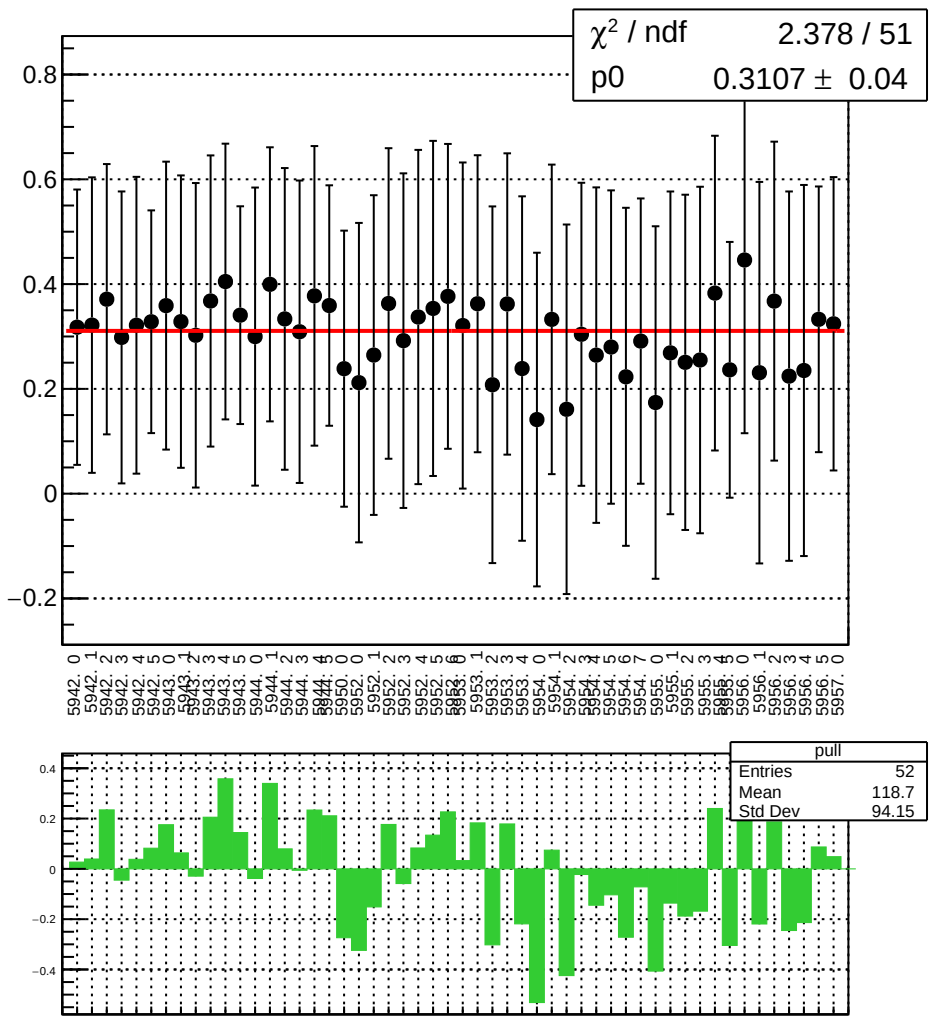

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.784 / 51
p0 1.319 ± 0.3368
pull
Entries 52
Mean 391.2
Std Dev 364.9
pull1D
Entries 52
Mean 0.006049
Std Dev 0.1851

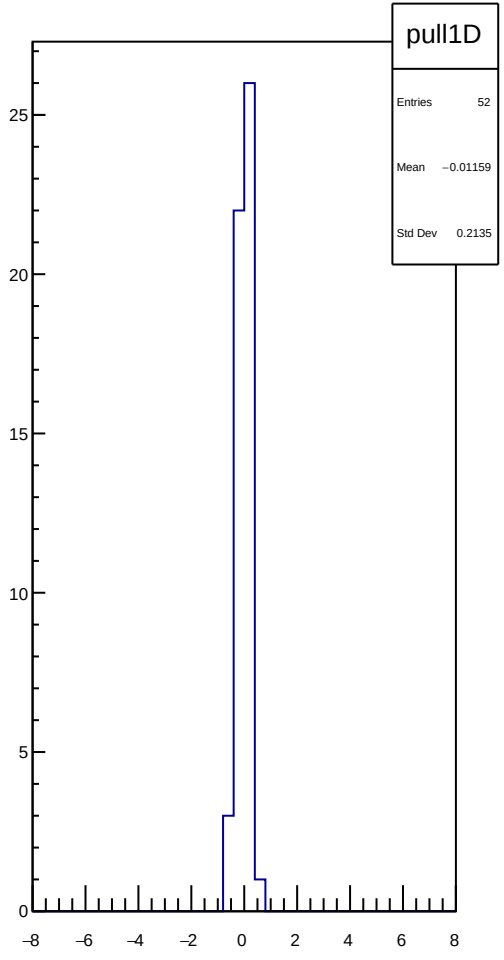

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.469 / 51
p0 17.87 ± 0.9633
pull
Entries 52
Mean 166.3
Std Dev 137.7

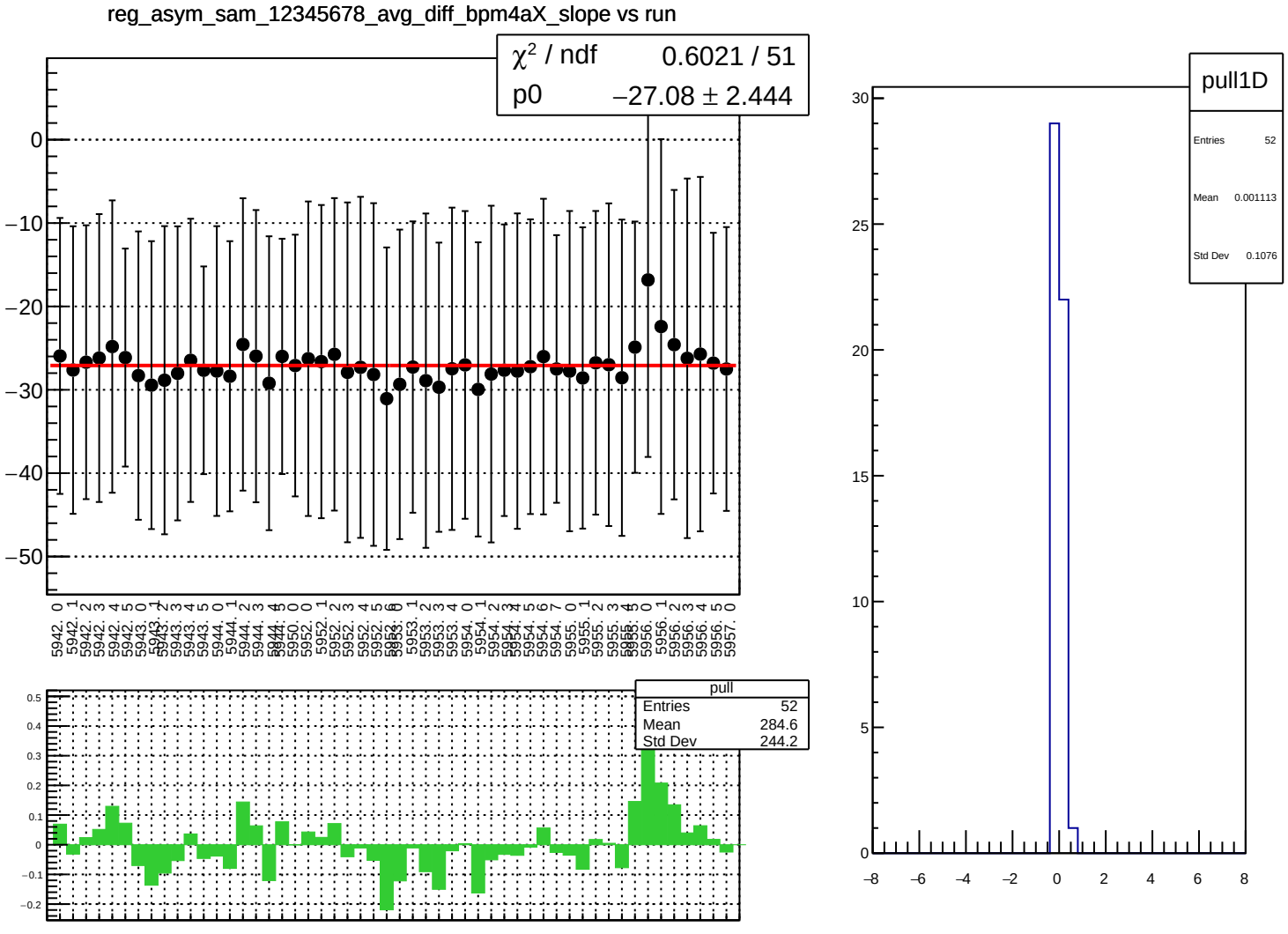

pull1D
Entries 52
Mean 0.01075
Std Dev 0.1677

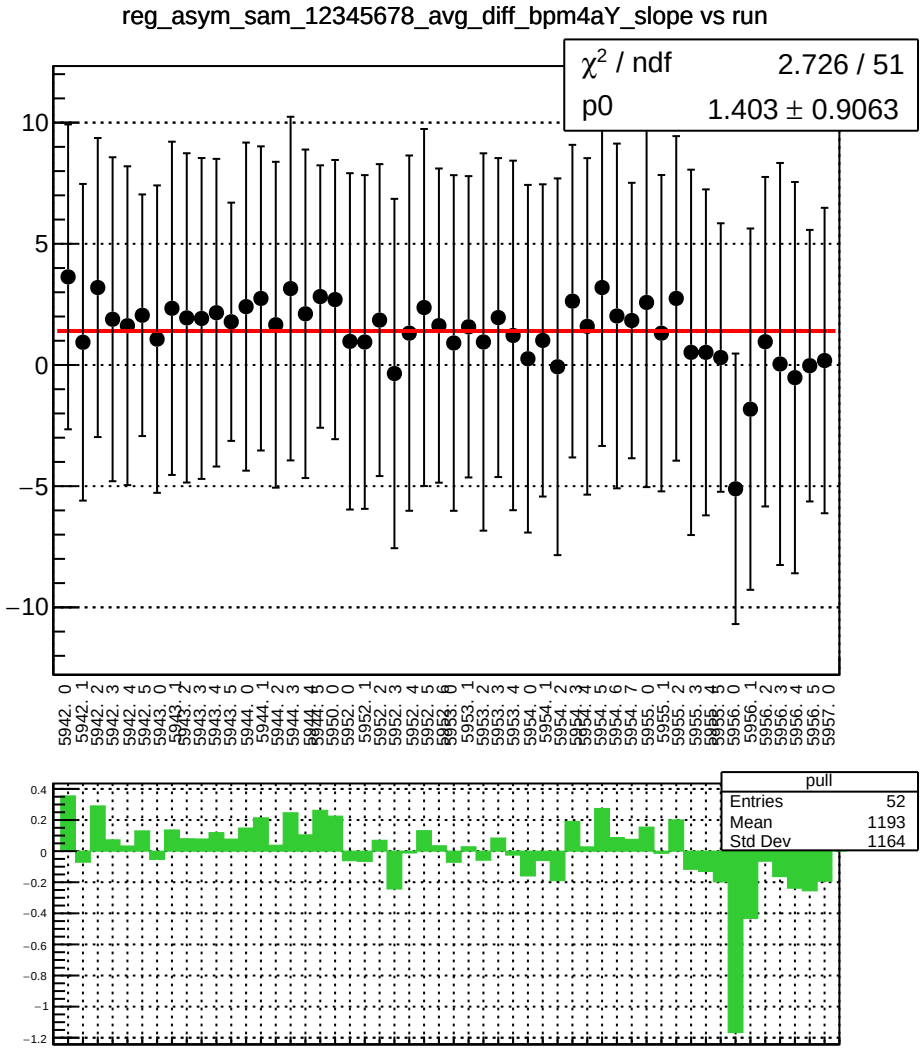

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.394 / 51
p0 −6.952 ± 0.4395
pull
Entries 52
Mean 510
Std Dev 483

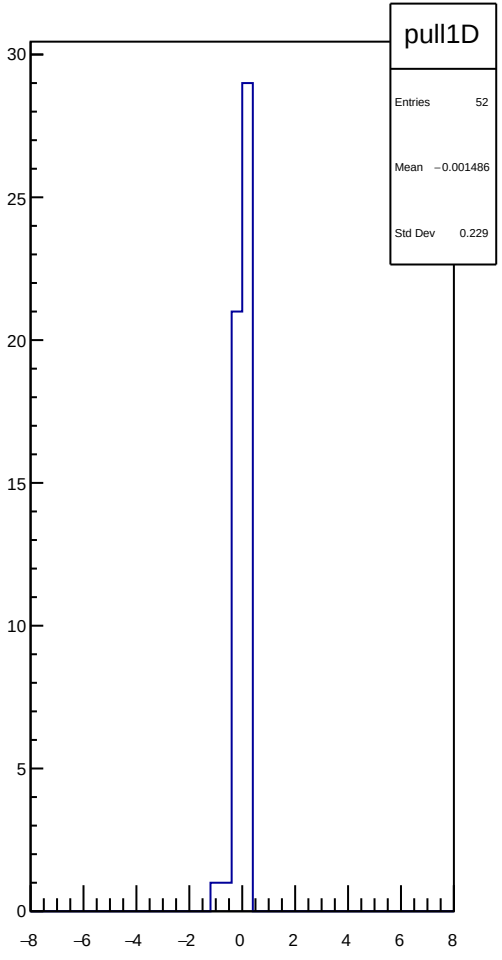

pull1D
Entries 52
Mean −0.005787
Std Dev 0.2145

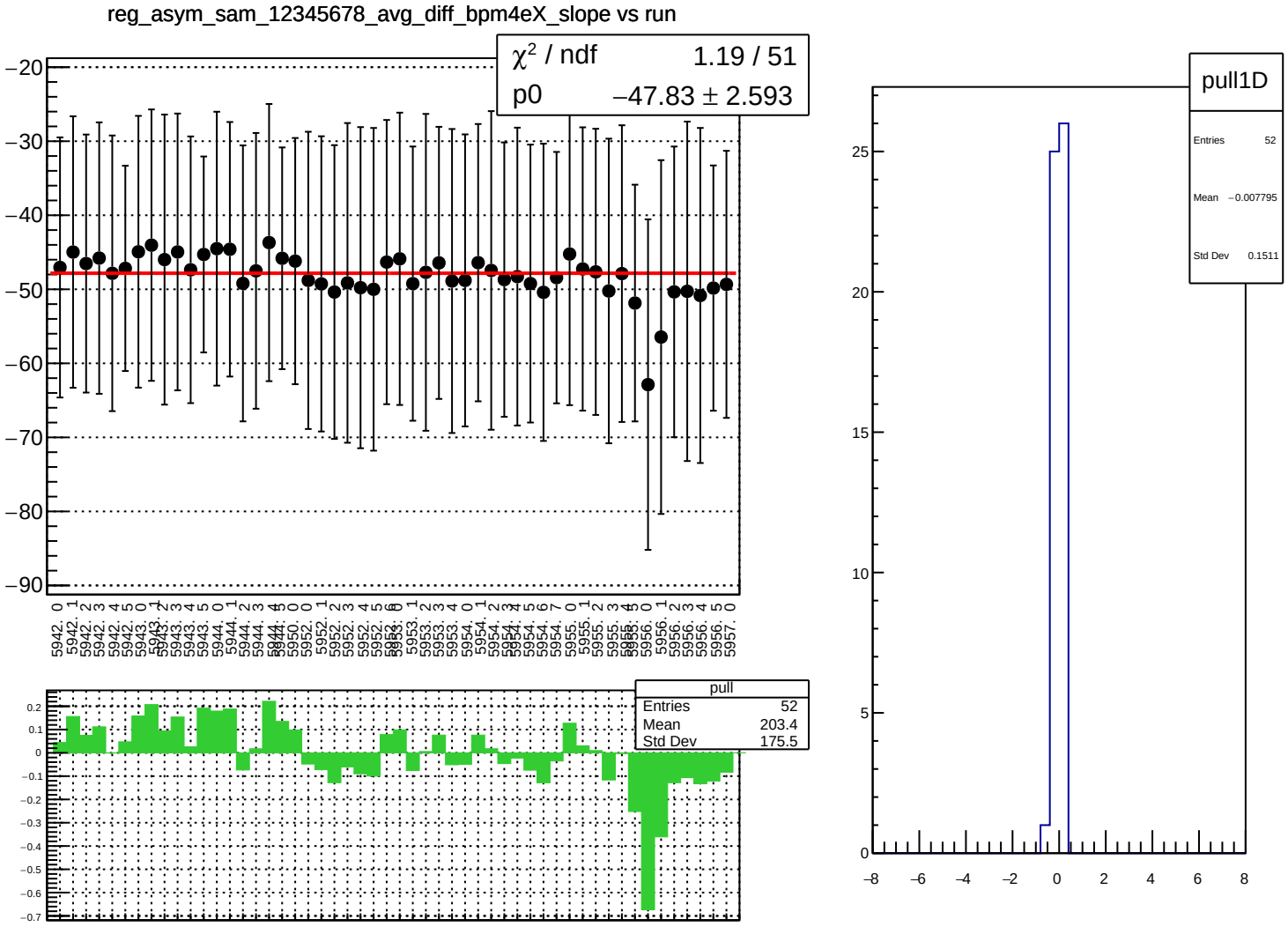

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.378 / 51
p0 0.3107 ± 0.04
pull
Entries 52
Mean 118.7
Std Dev 94.15

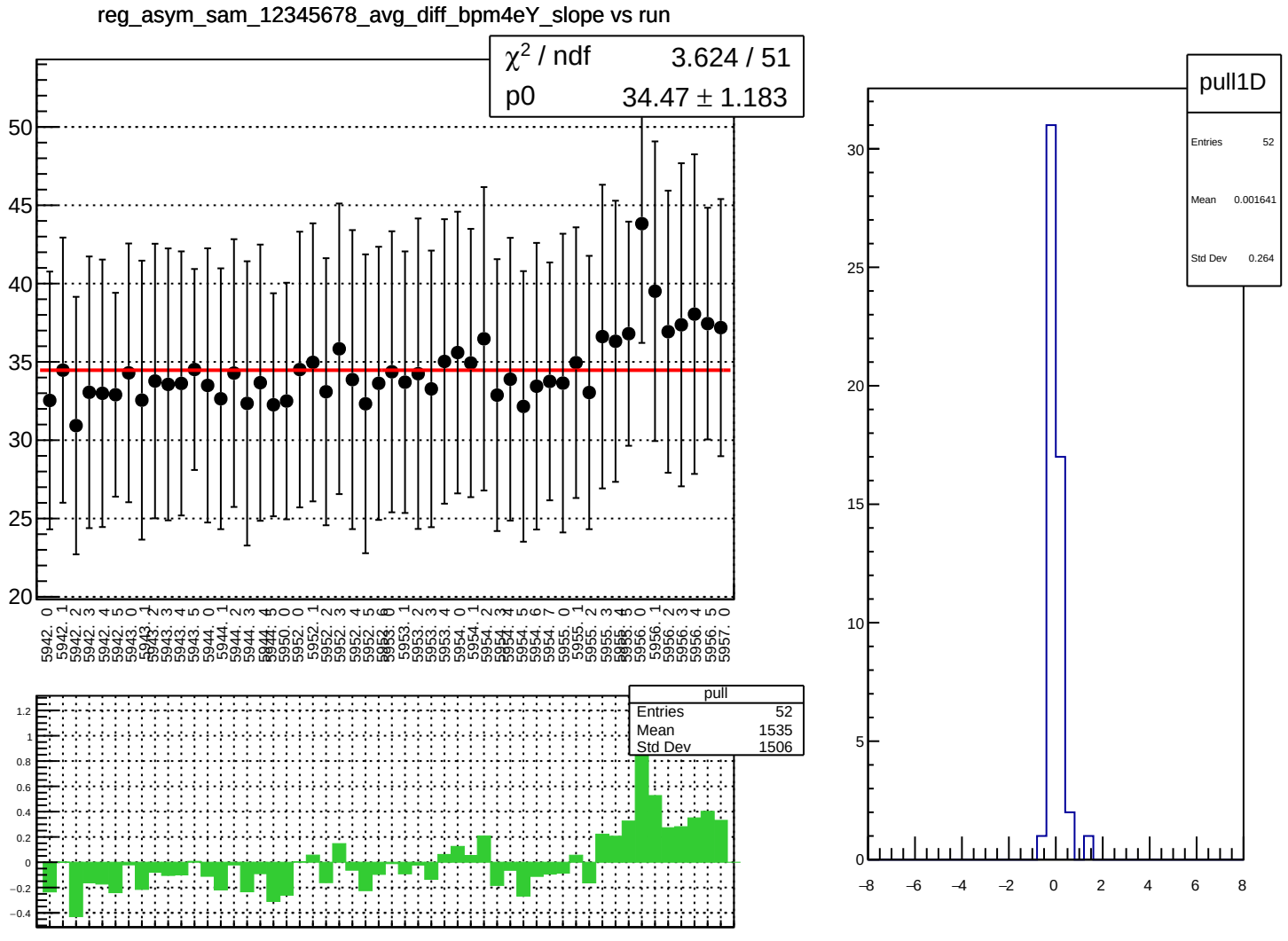

pull1D
Entries 52
Mean −0.01159
Std Dev 0.2135

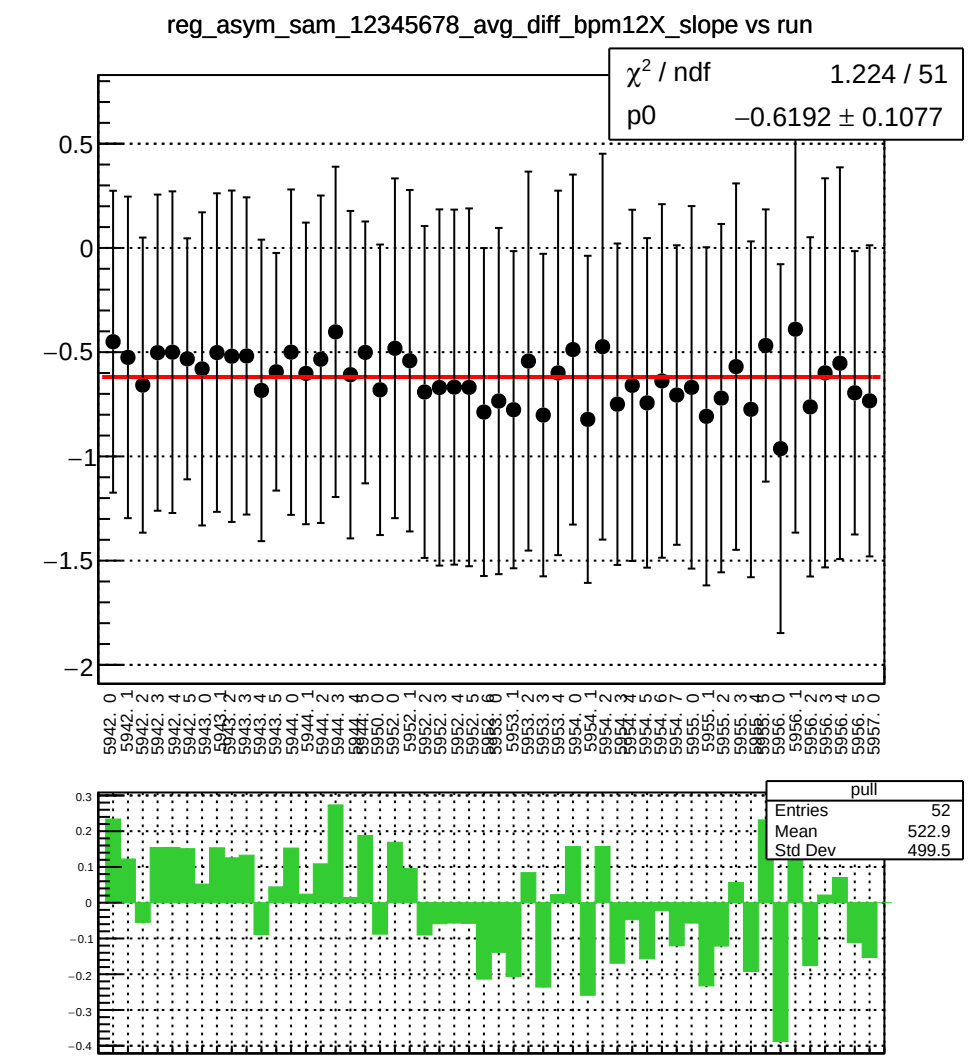

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6021 / 51
p0 −27.08 ± 2.444
pull
Entries 52
Mean 284.6
Std Dev 244.2
pull1D
Entries 52
Mean 0.001113
Std Dev 0.1076

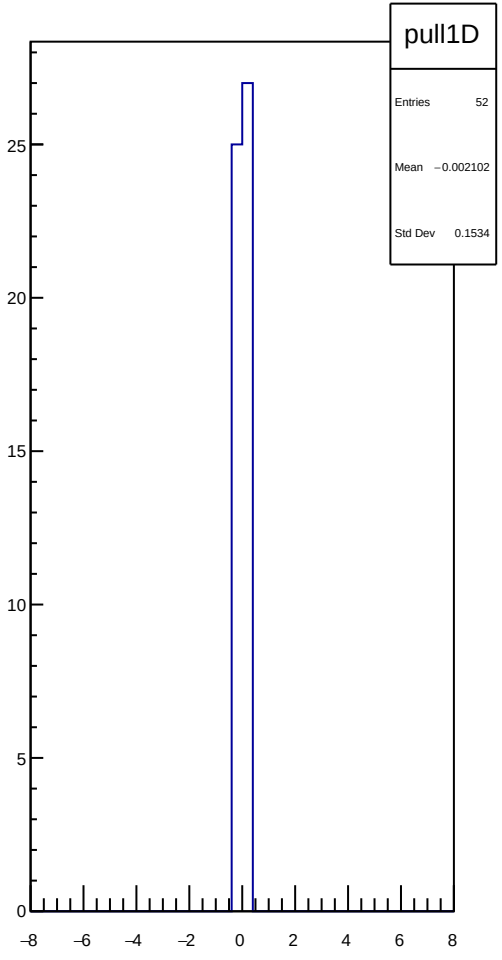

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.726 / 51
p0 1.403 ± 0.9063
pull
Entries 52
Mean 1193
Std Dev 1164

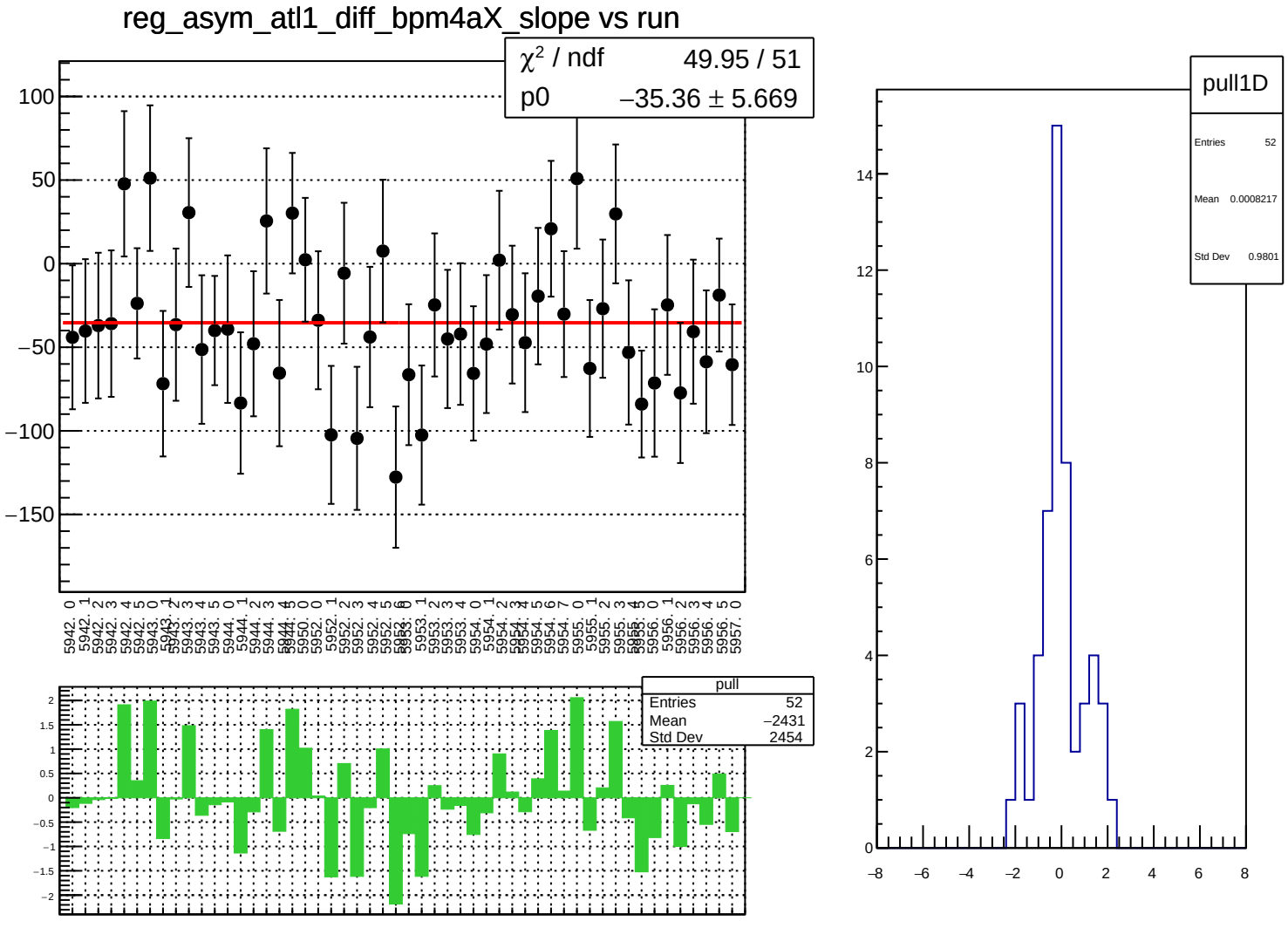

pull1D
Entries 52
Mean −0.001486
Std Dev 0.229

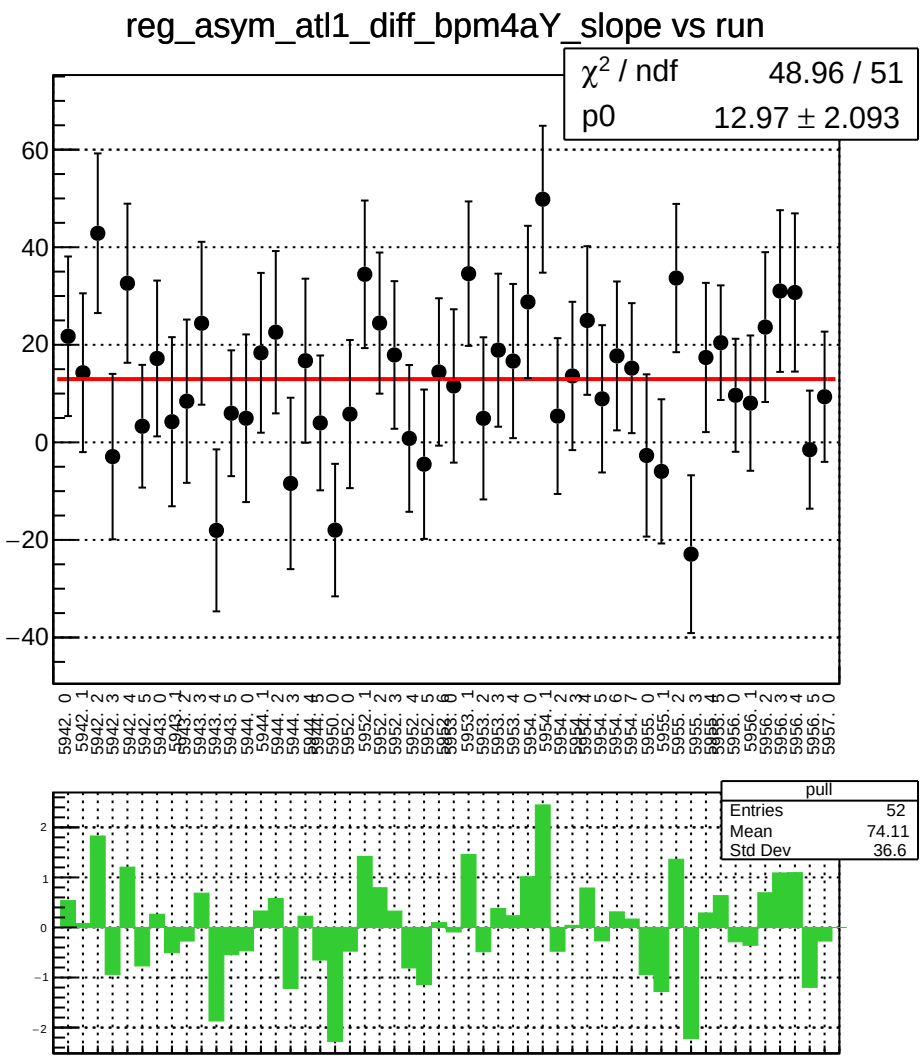

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.19 / 51
p0 −47.83 ± 2.593
pull
Entries 52
Mean 203.4
Std Dev 175.5
pull1D
Entries 52
Mean −0.007795
Std Dev 0.1511

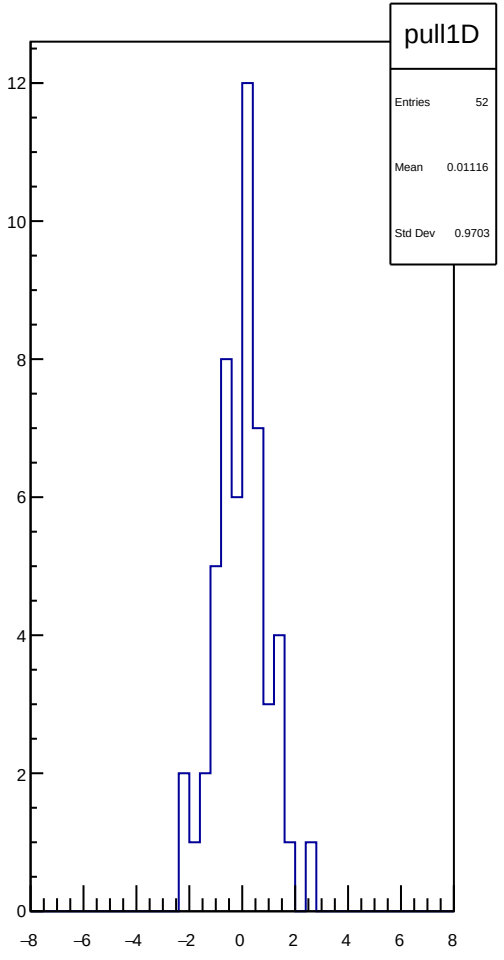

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.624 / 51
p0 34.47 ± 1.183
pull
Entries 52
Mean 1535
Std Dev 1506
pull1D
Entries 52
Mean 0.001641
Std Dev 0.264

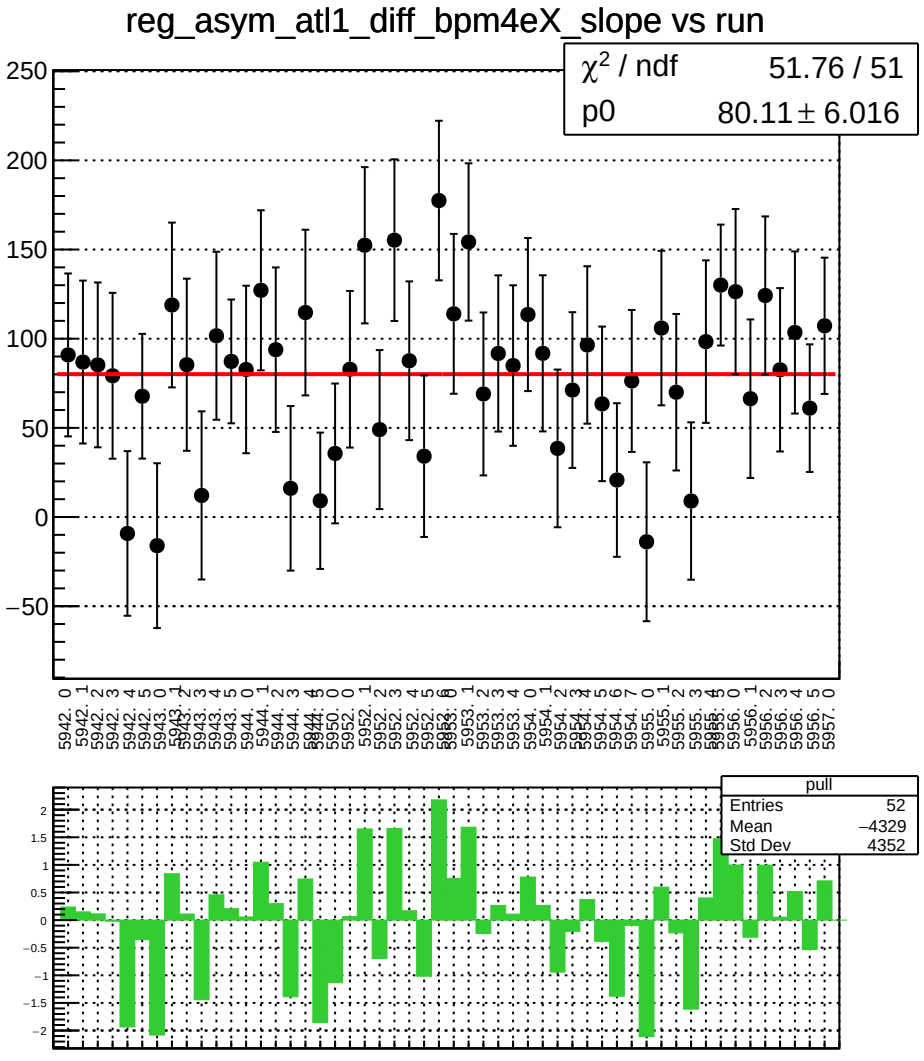

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.224 / 51
p0 −0.6192 ± 0.1077
pull
Entries 52
Mean 522.9
Std Dev 499.5

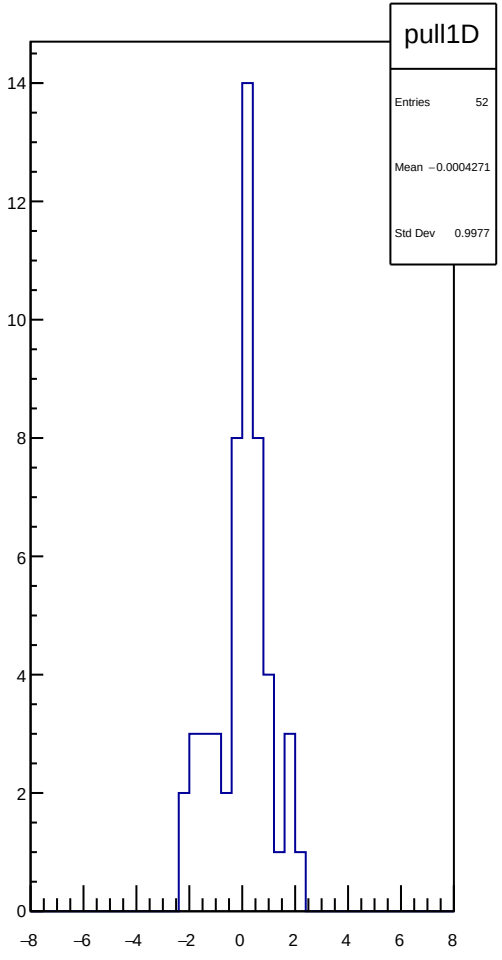

pull1D
Entries 52
Mean −0.002102
Std Dev 0.1534

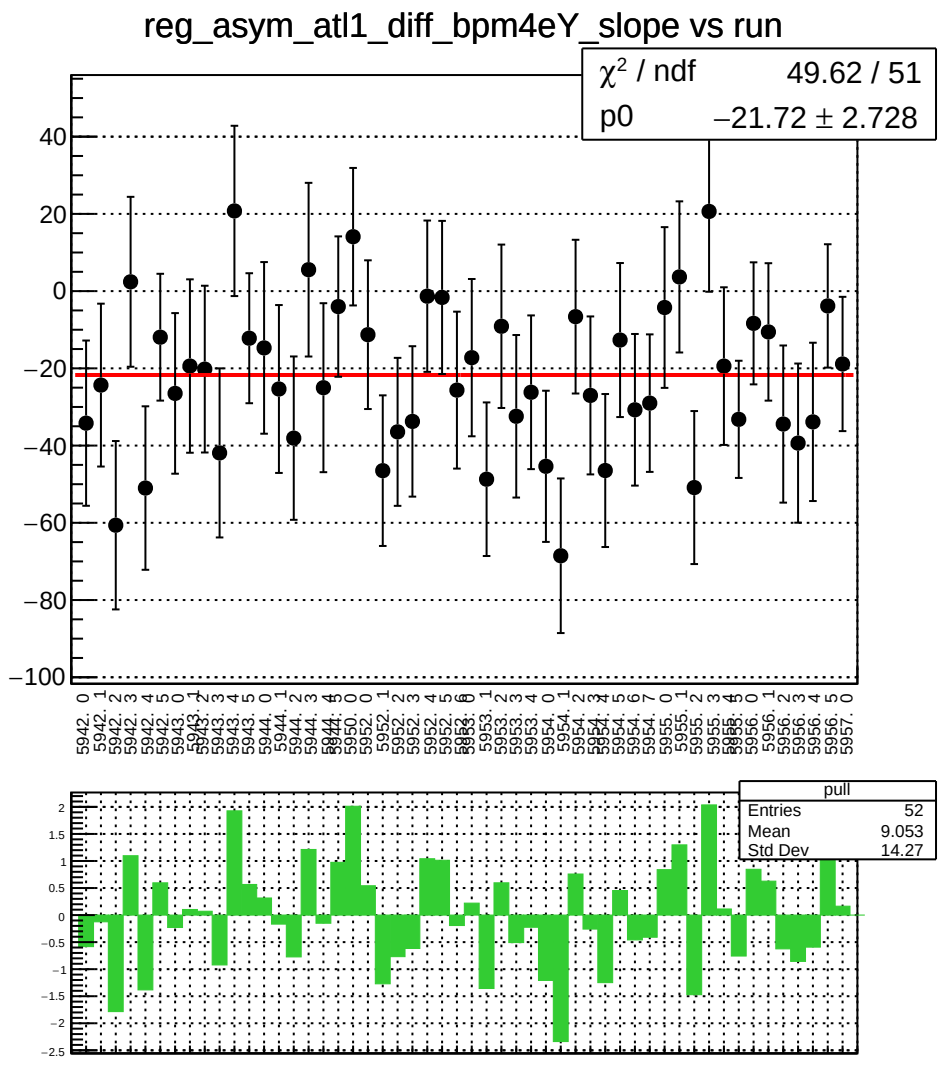

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 49.95 / 51
p0 −35.36 ± 5.669
pull
Entries 52
Mean −2431
Std Dev 2454
pull1D
Entries 52
Mean 0.0008217
Std Dev 0.9801

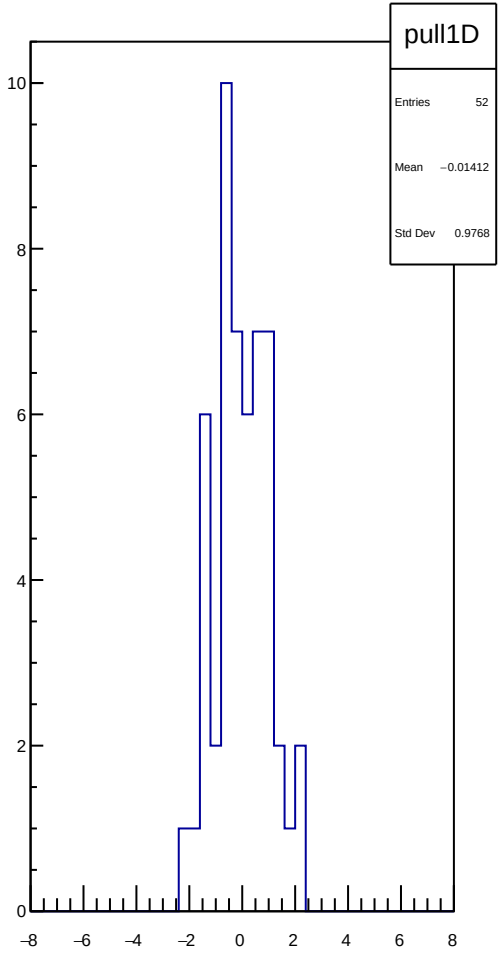

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 48.96 / 51
p0 12.97 ± 2.093
pull
Entries 52
Mean 74.11
Std Dev 36.6

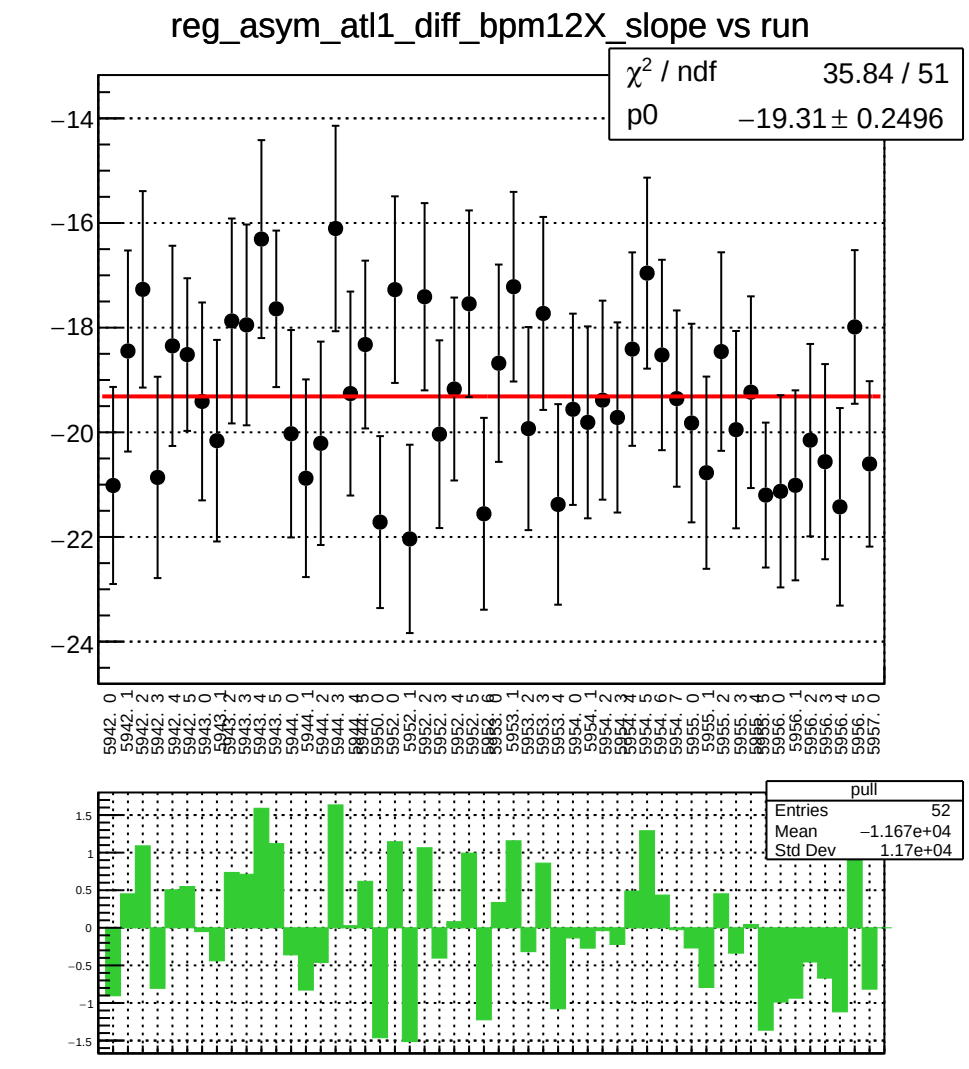

pull1D
Entries 52
Mean 0.01116
Std Dev 0.9703

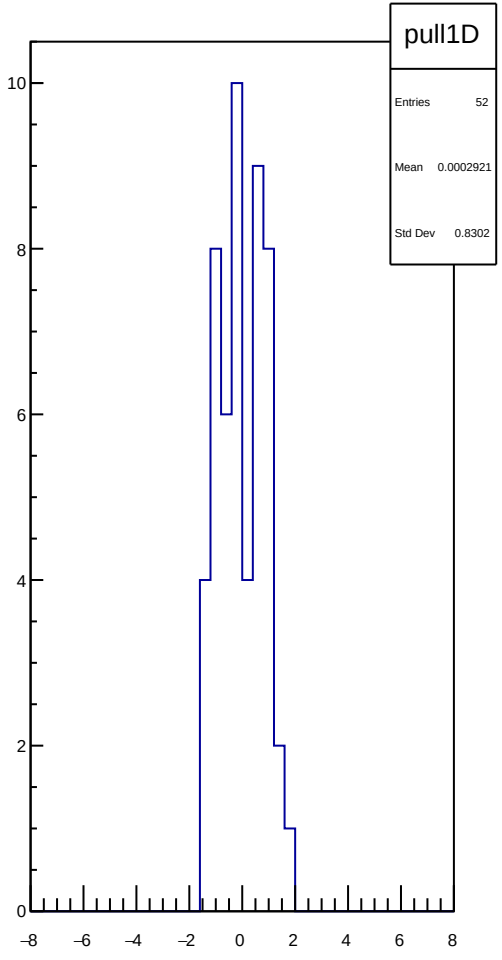

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 51.76 / 51
p0 80.11 ± 6.016
pull
Entries 52
Mean −4329
Std Dev 4352

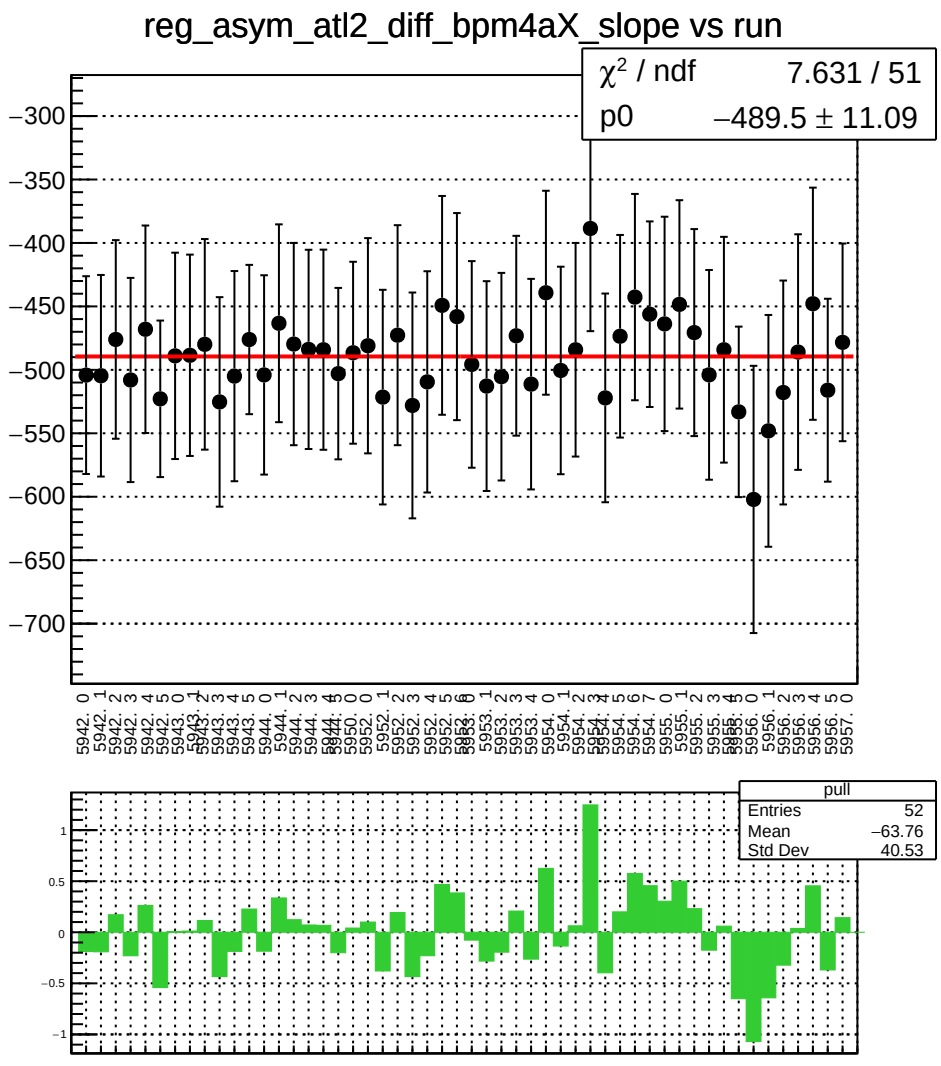

pull1D
Entries 52
Mean −0.0004271
Std Dev 0.9977

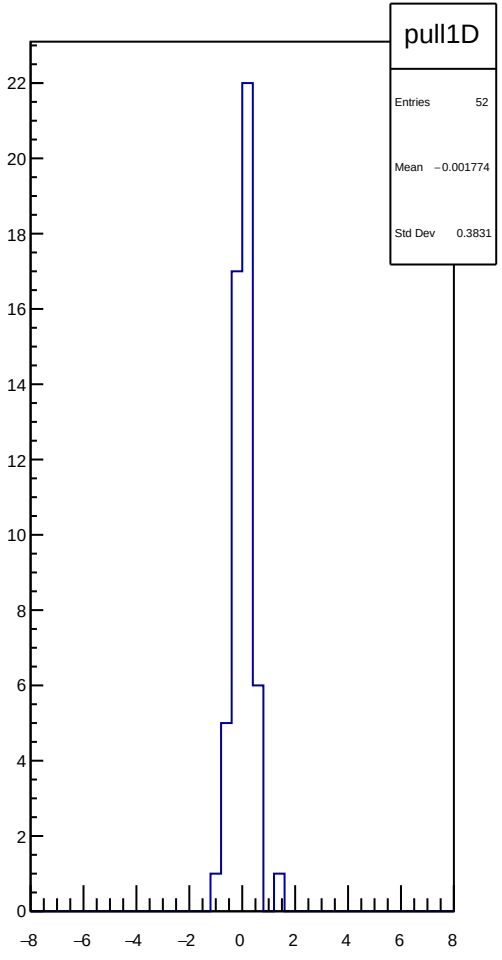

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 49.62 / 51
p0 −21.72 ± 2.728
pull
Entries 52
Mean 9.053
Std Dev 14.27

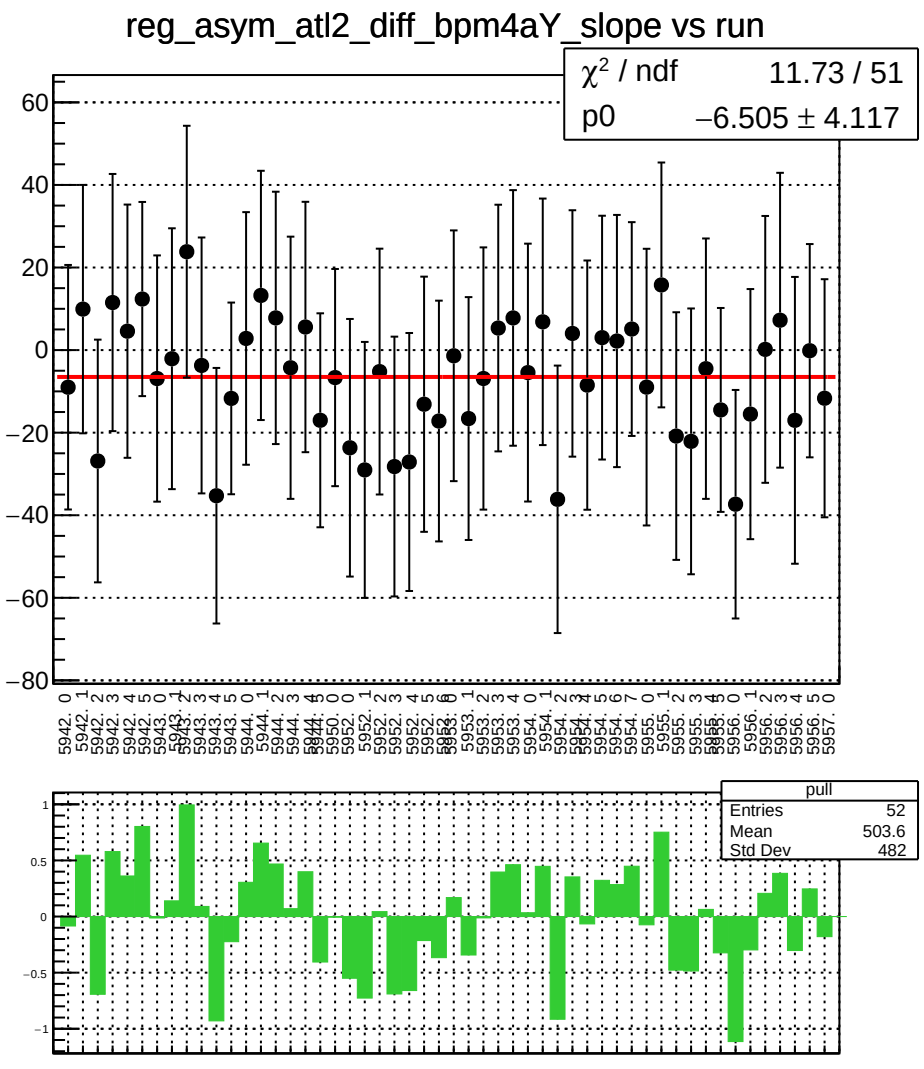

pull1D
Entries 52
Mean −0.01412
Std Dev 0.9768

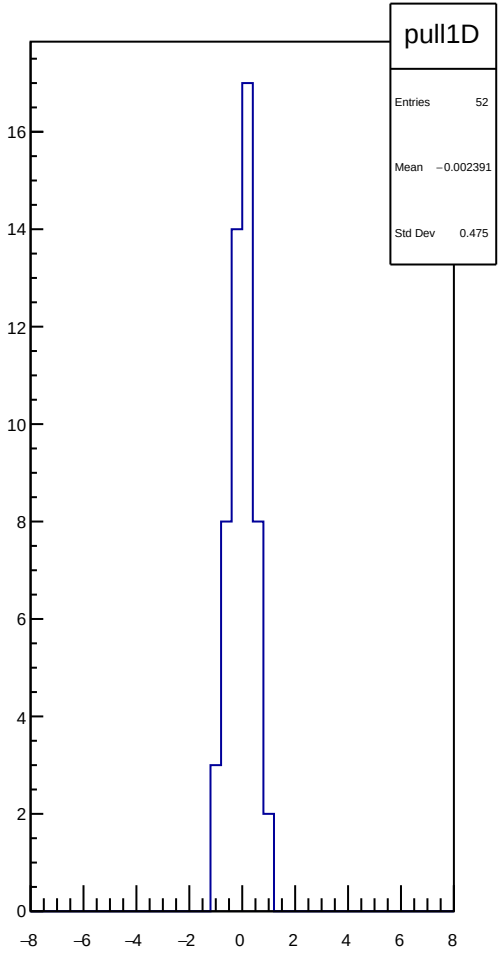

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 35.84 / 51
p0 −19.31 ± 0.2496
pull
Entries 52
Mean −1.167e+04
Std Dev 1.17e+04

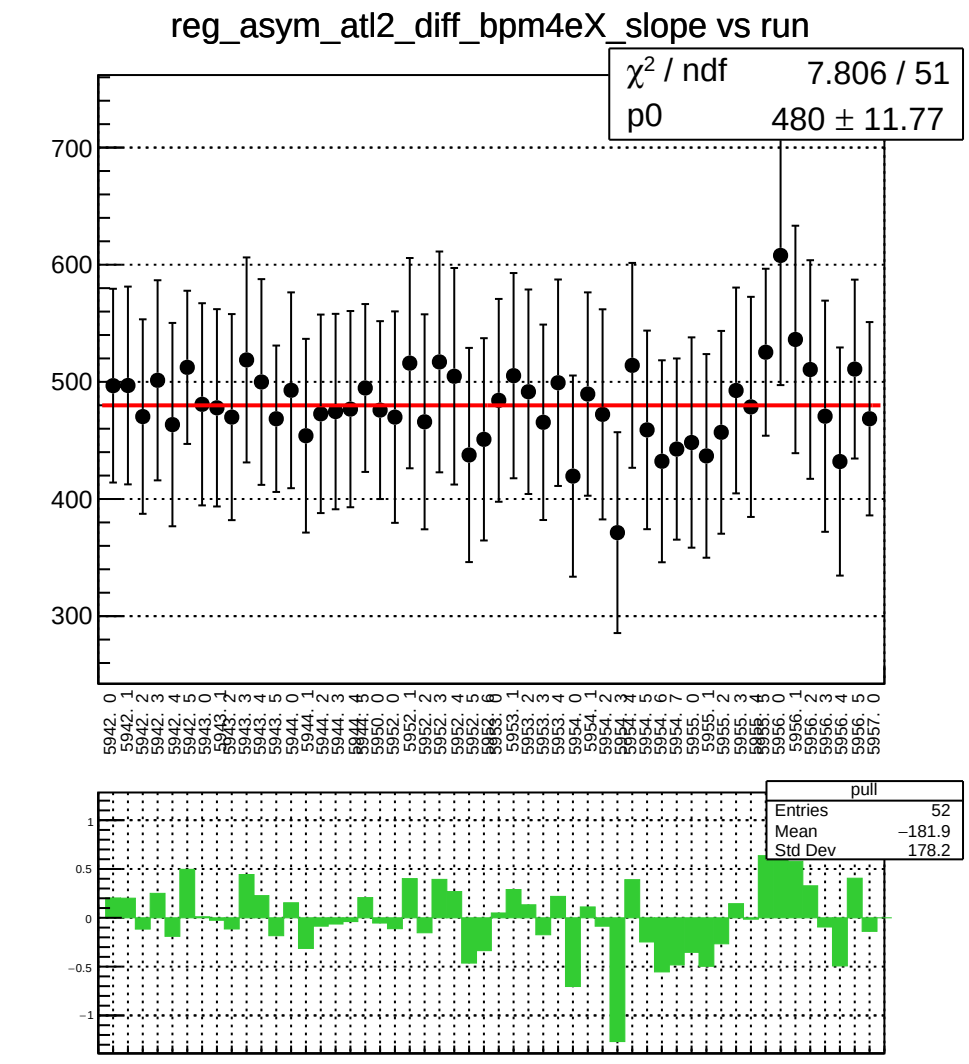

pull1D
Entries 52
Mean 0.0002921
Std Dev 0.8302

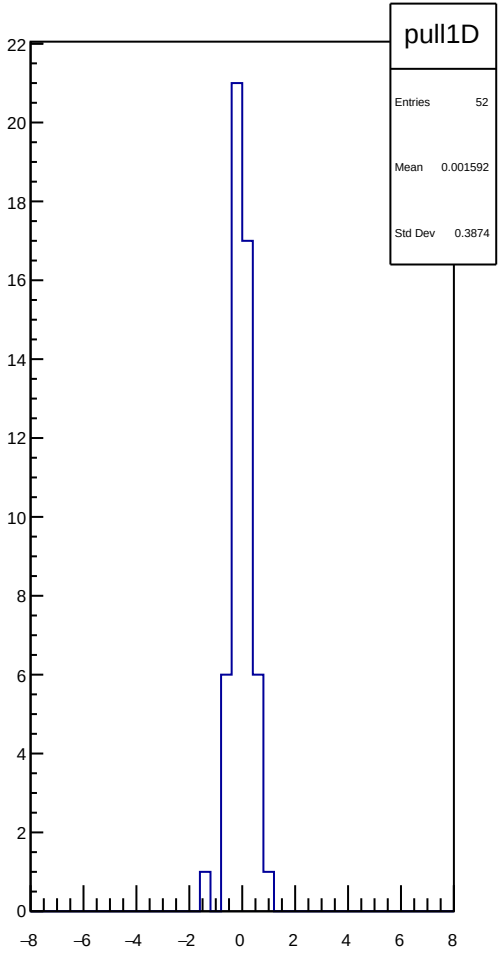

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 7.631 / 51
p0 −489.5 ± 11.09
pull
Entries 52
Mean −63.76
Std Dev 40.53

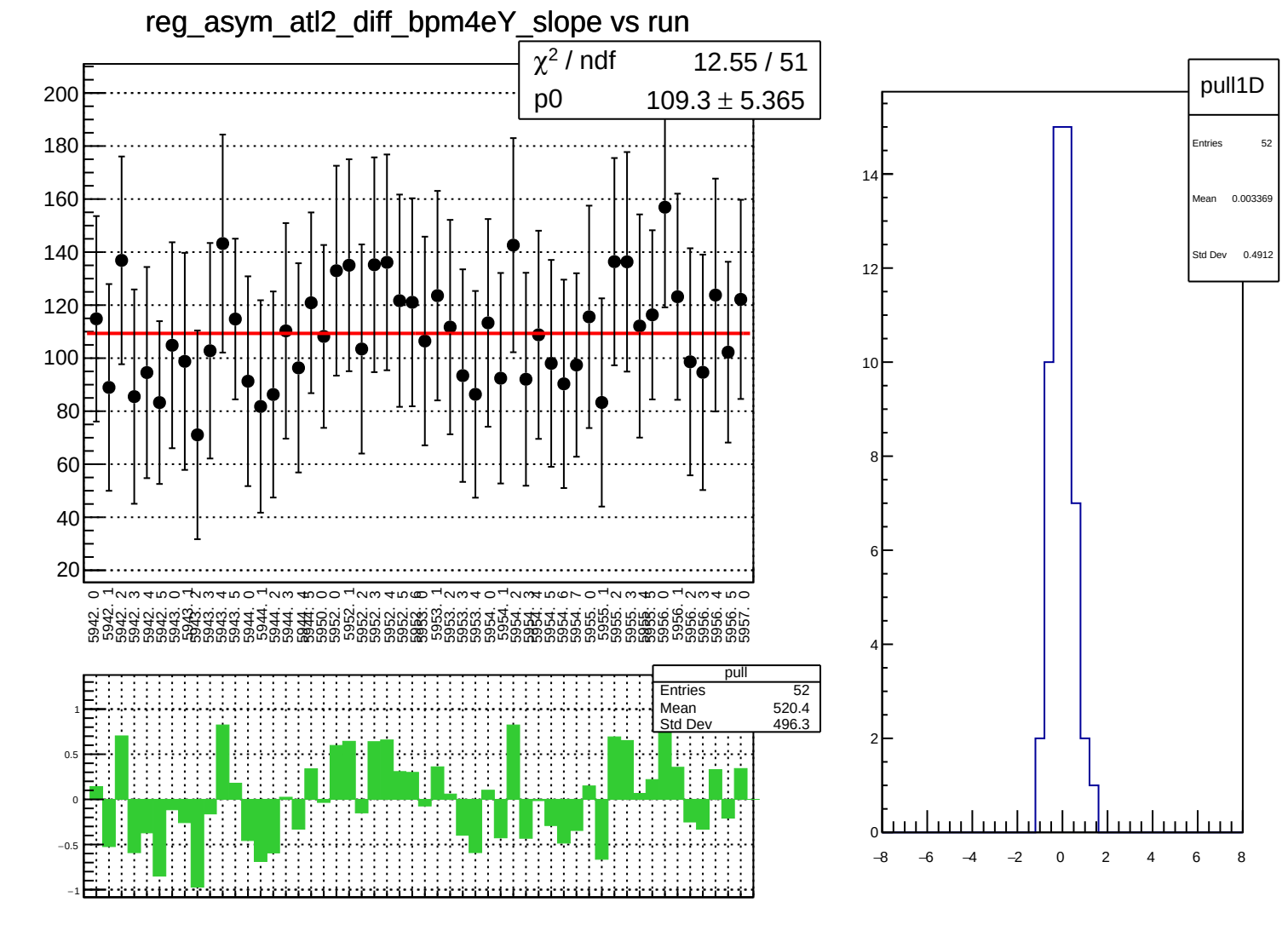

pull1D
Entries 52
Mean −0.001774
Std Dev 0.3831

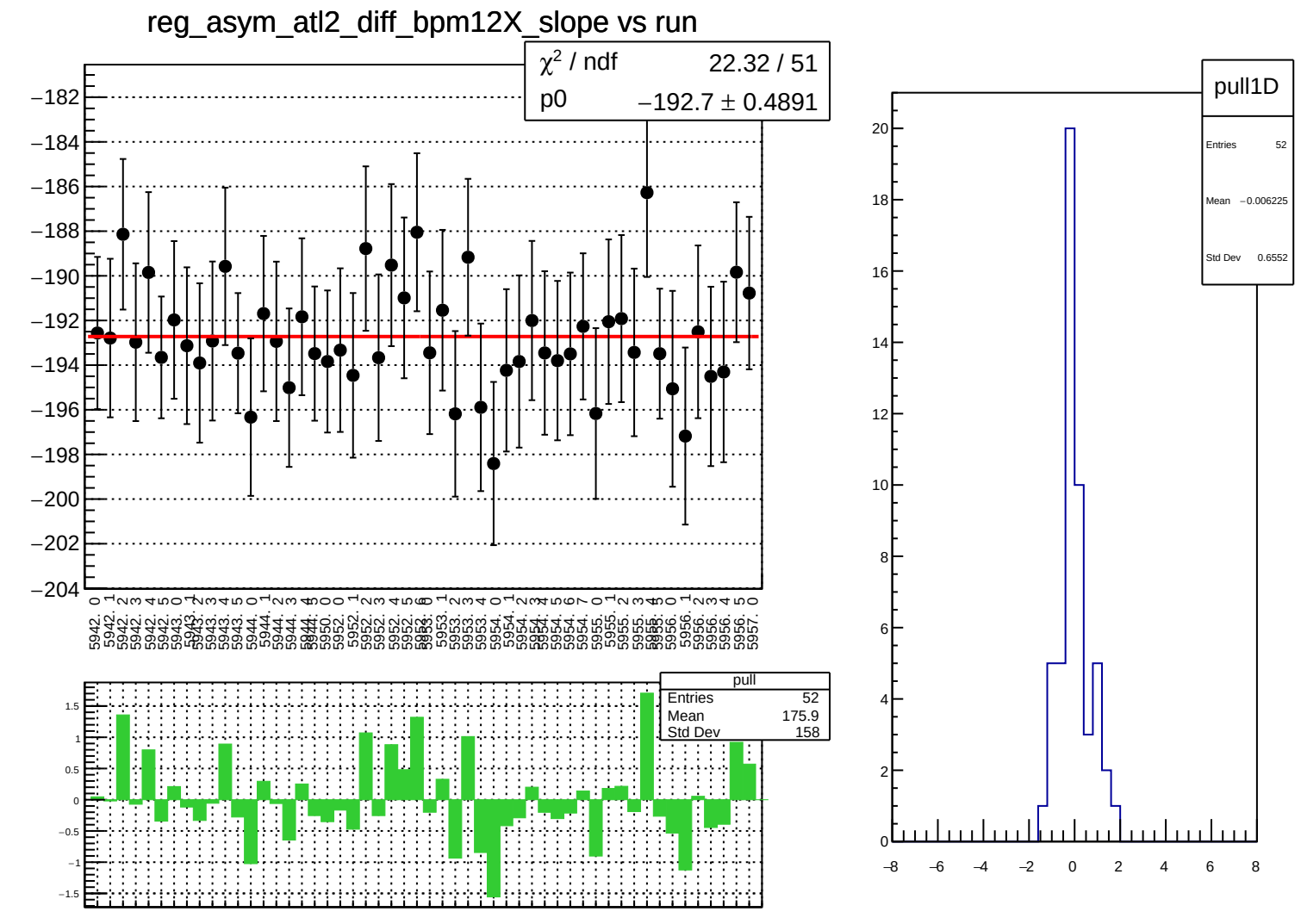

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 11.73 / 51
p0 −6.505 ± 4.117
pull
Entries 52
Mean 503.6
Std Dev 482

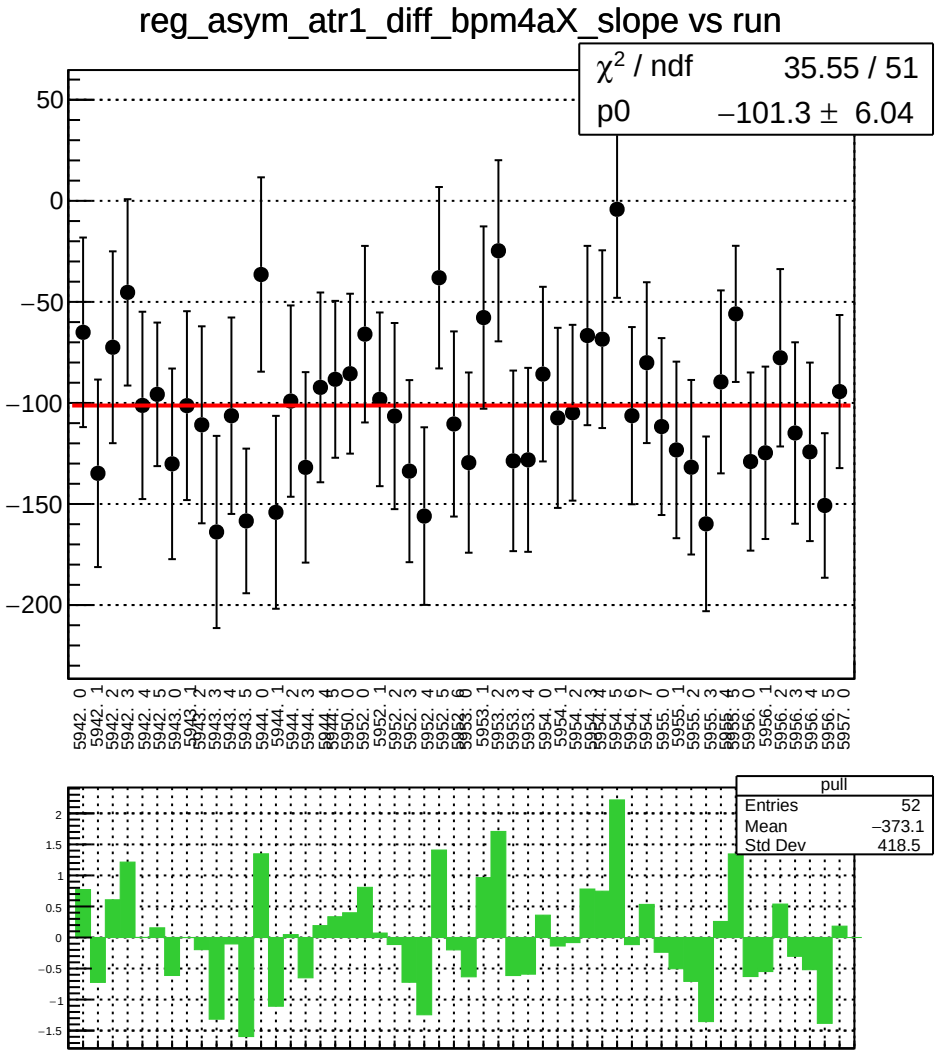

pull1D
Entries 52
Mean −0.002391
Std Dev 0.475

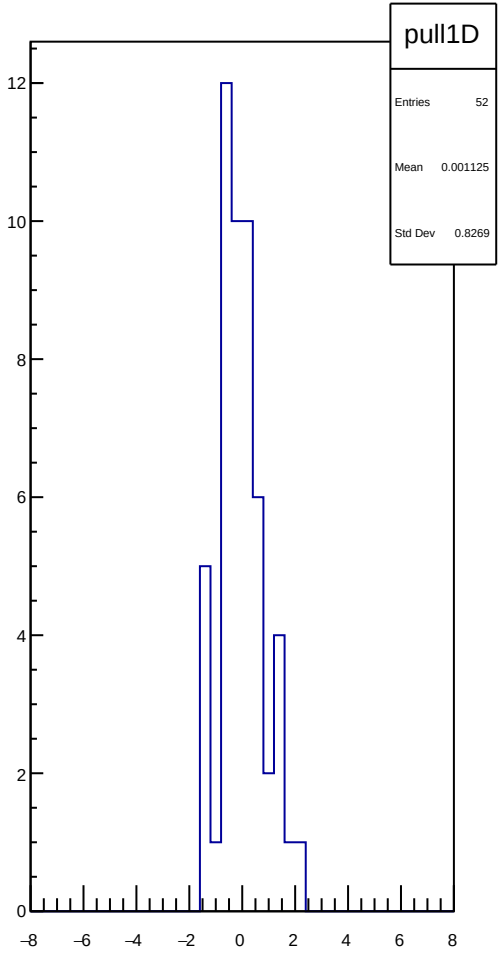

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 7.806 / 51
p0 480 ± 11.77
700
600
500
400
300
pull
Entries 52
Mean −181.9
Std Dev 178.2
1
0.5
0
−0.5
−1

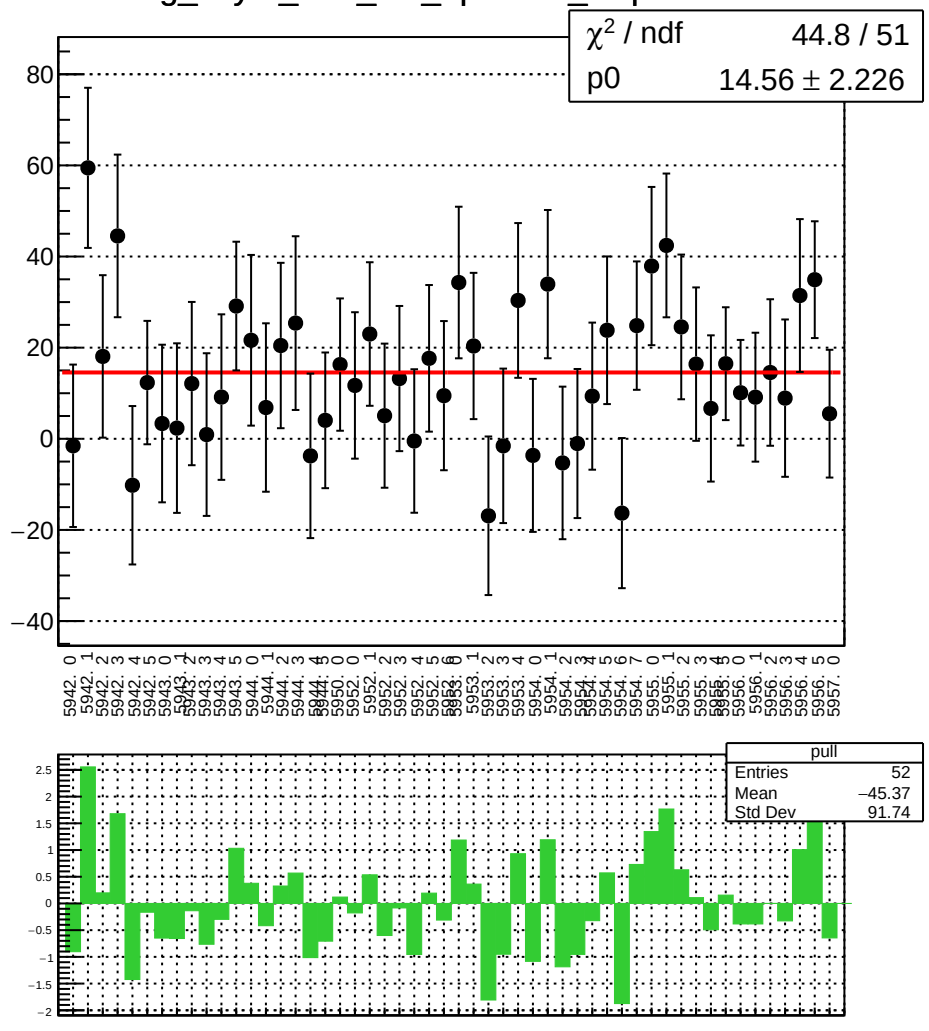

pull1D
Entries 52
Mean 0.001592
Std Dev 0.3874
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

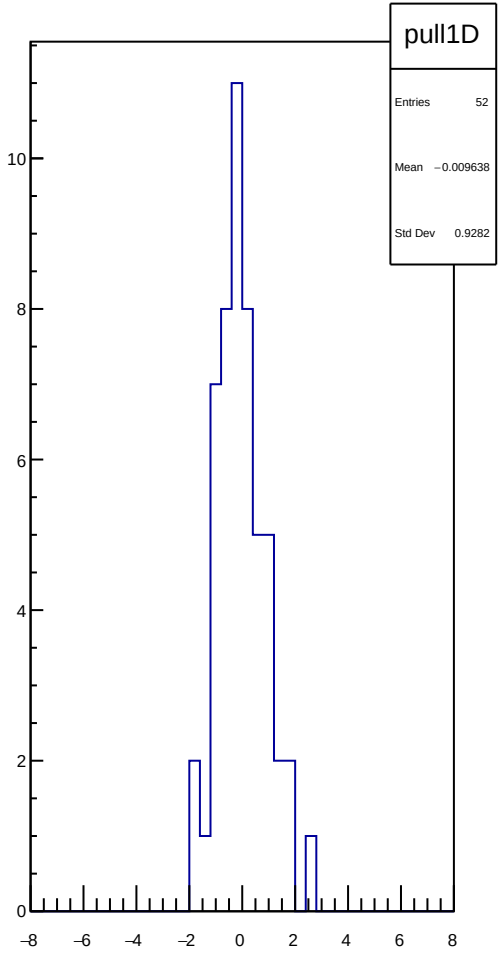

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 12.55 / 51
p0 109.3 ± 5.365
pull
Entries 52
Mean 520.4
Std Dev 496.3
pull1D
Entries 52
Mean 0.003369
Std Dev 0.4912

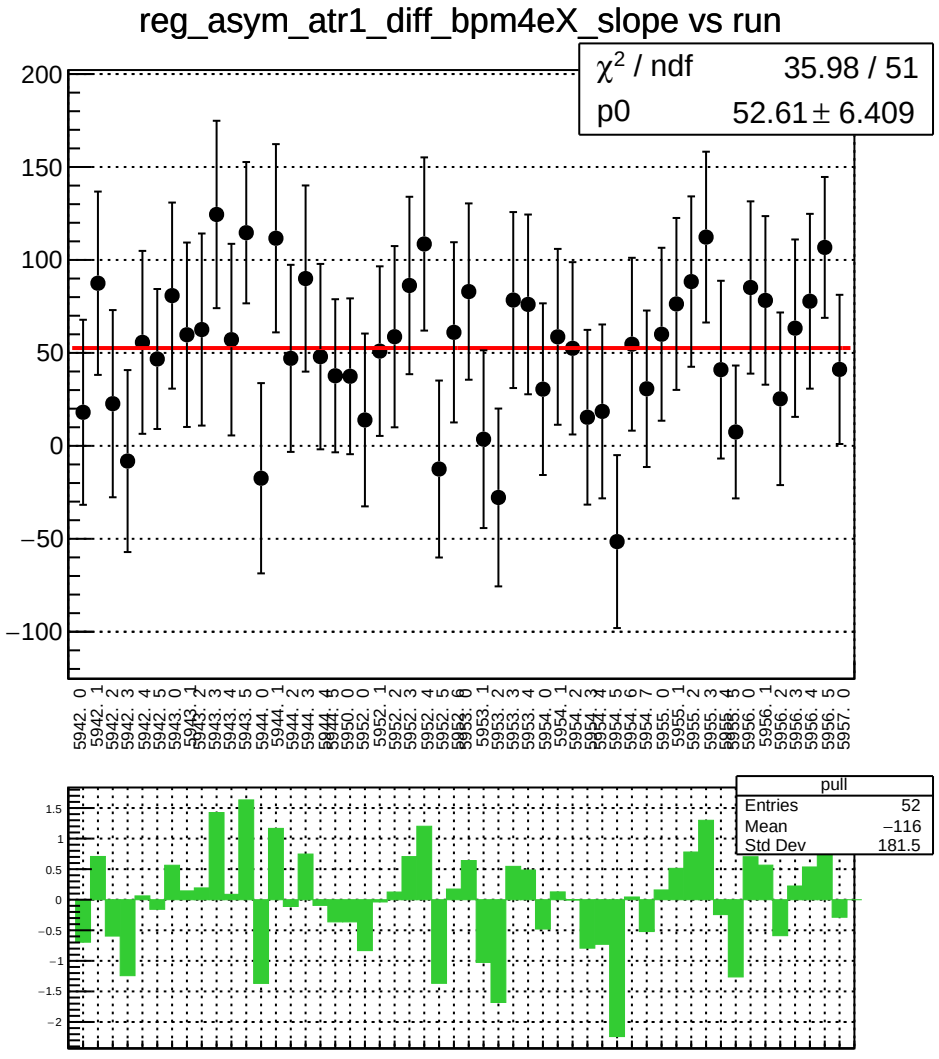

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 22.32 / 51
p0 −192.7 ± 0.4891
pull
Entries 52
Mean 175.9
Std Dev 158
pull1D
Entries 52
Mean −0.006225
Std Dev 0.6552

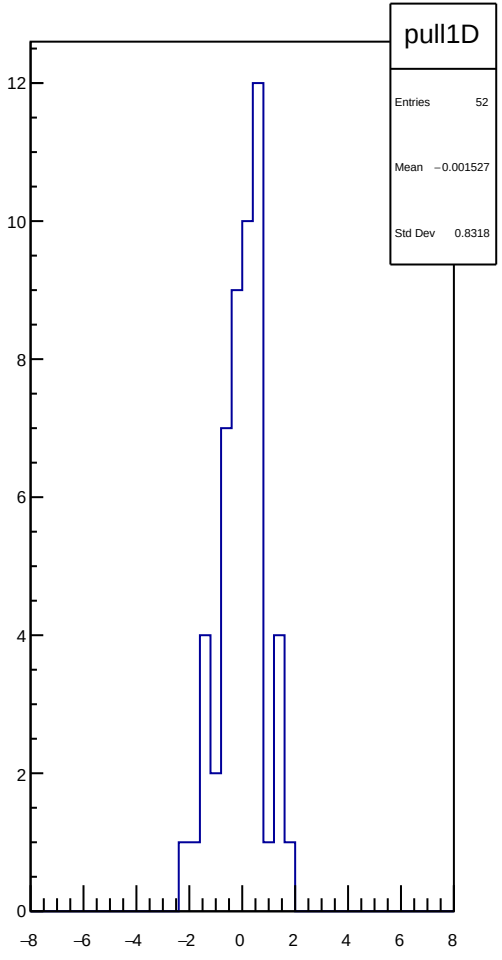

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 35.55 / 51
p0 −101.3 ± 6.04
pull
Entries 52
Mean −373.1
Std Dev 418.5

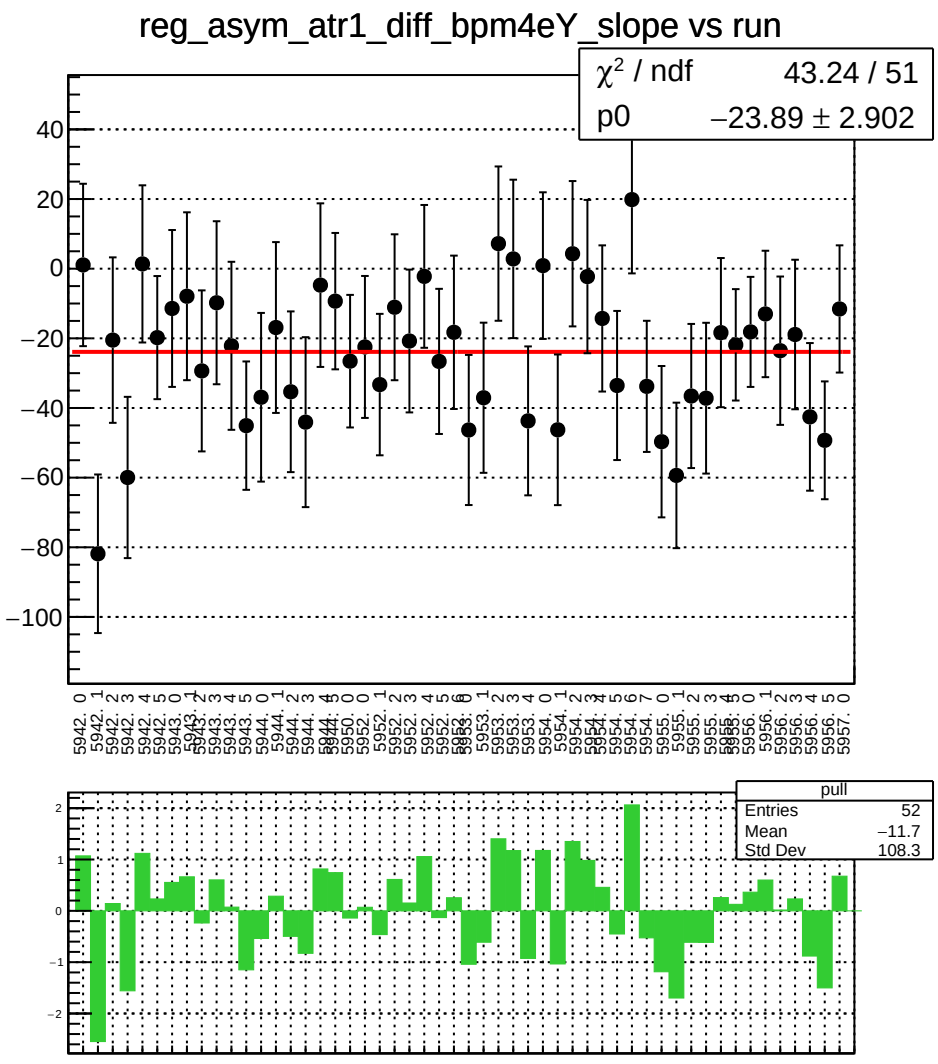

pull1D
Entries 52
Mean 0.001125
Std Dev 0.8269

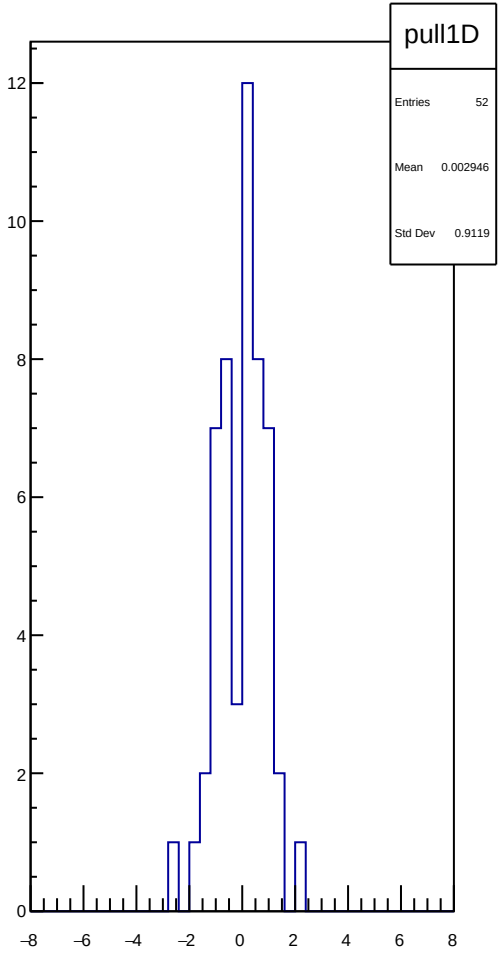

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 44.8 / 51
p0 14.56 ± 2.226
pull
Entries 52
Mean −45.37
Std Dev 91.74

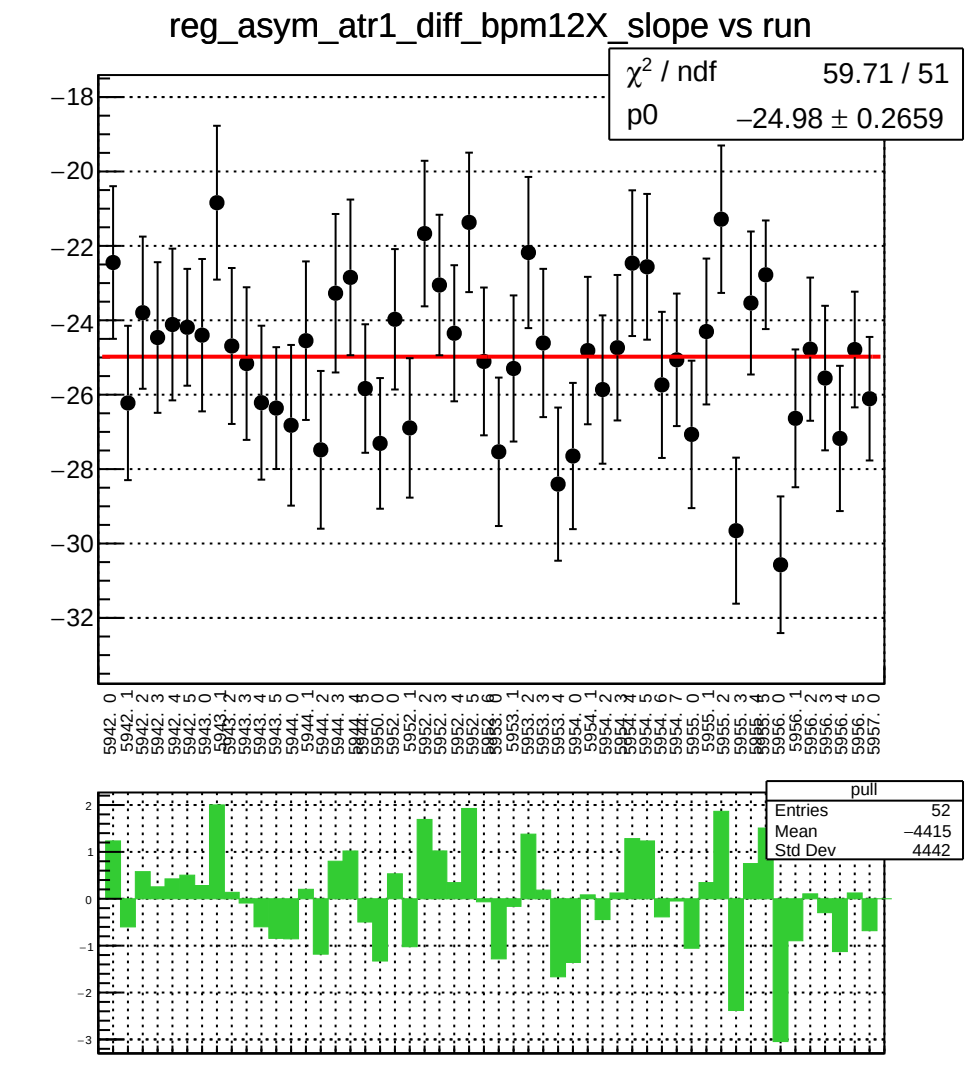

pull1D
Entries 52
Mean −0.009638
Std Dev 0.9282

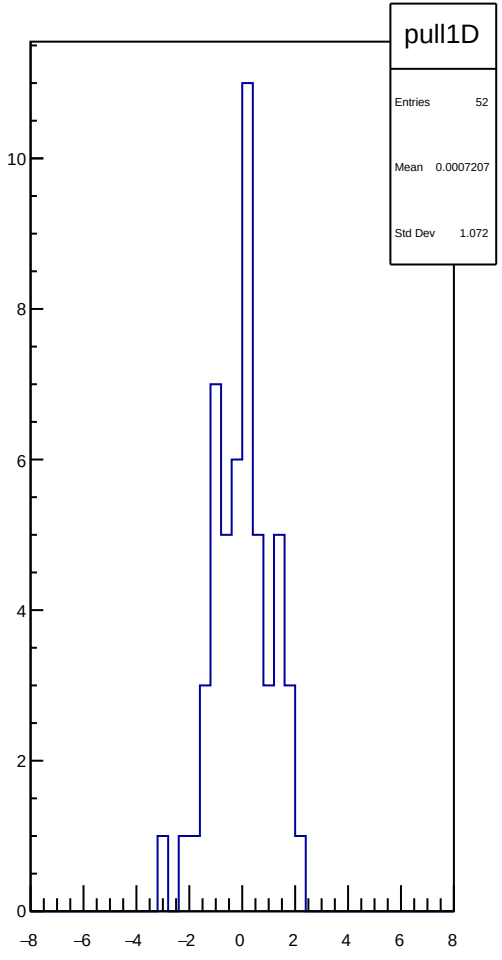

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 35.98 / 51
p0 52.61 ± 6.409
pull
Entries 52
Mean −116
Std Dev 181.5

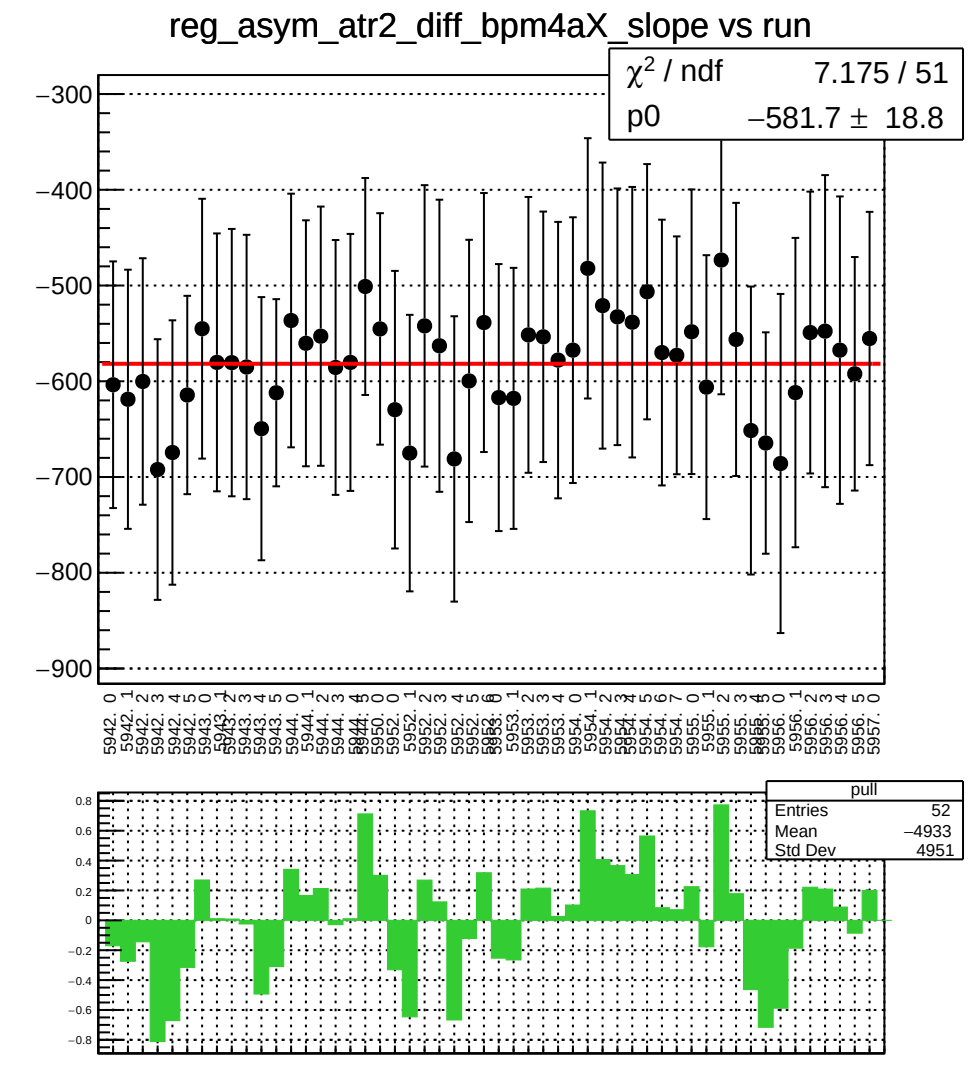

pull1D
Entries 52
Mean −0.001527
Std Dev 0.8318

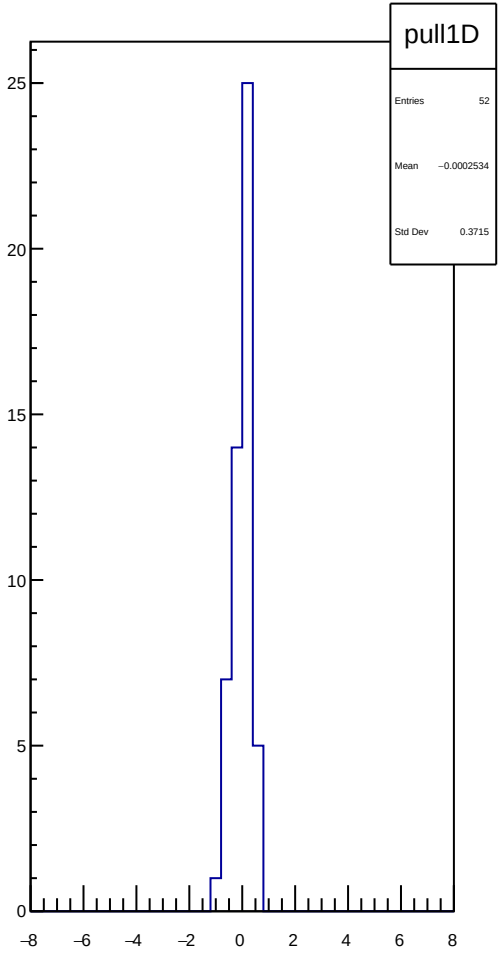

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 43.24 / 51
p0 −23.89 ± 2.902
pull
Entries 52
Mean −11.7
Std Dev 108.3

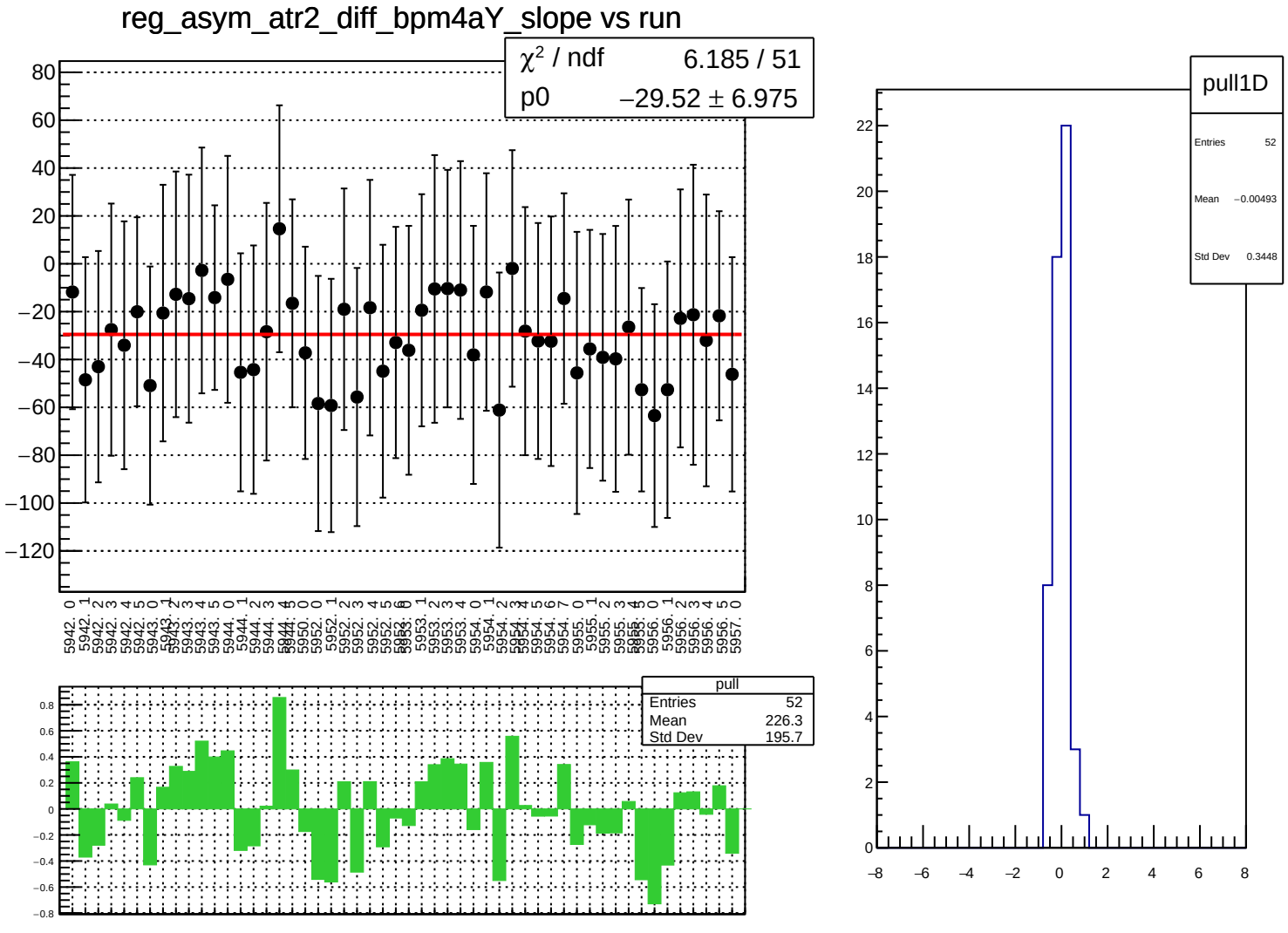

pull1D
Entries 52
Mean 0.002946
Std Dev 0.9119

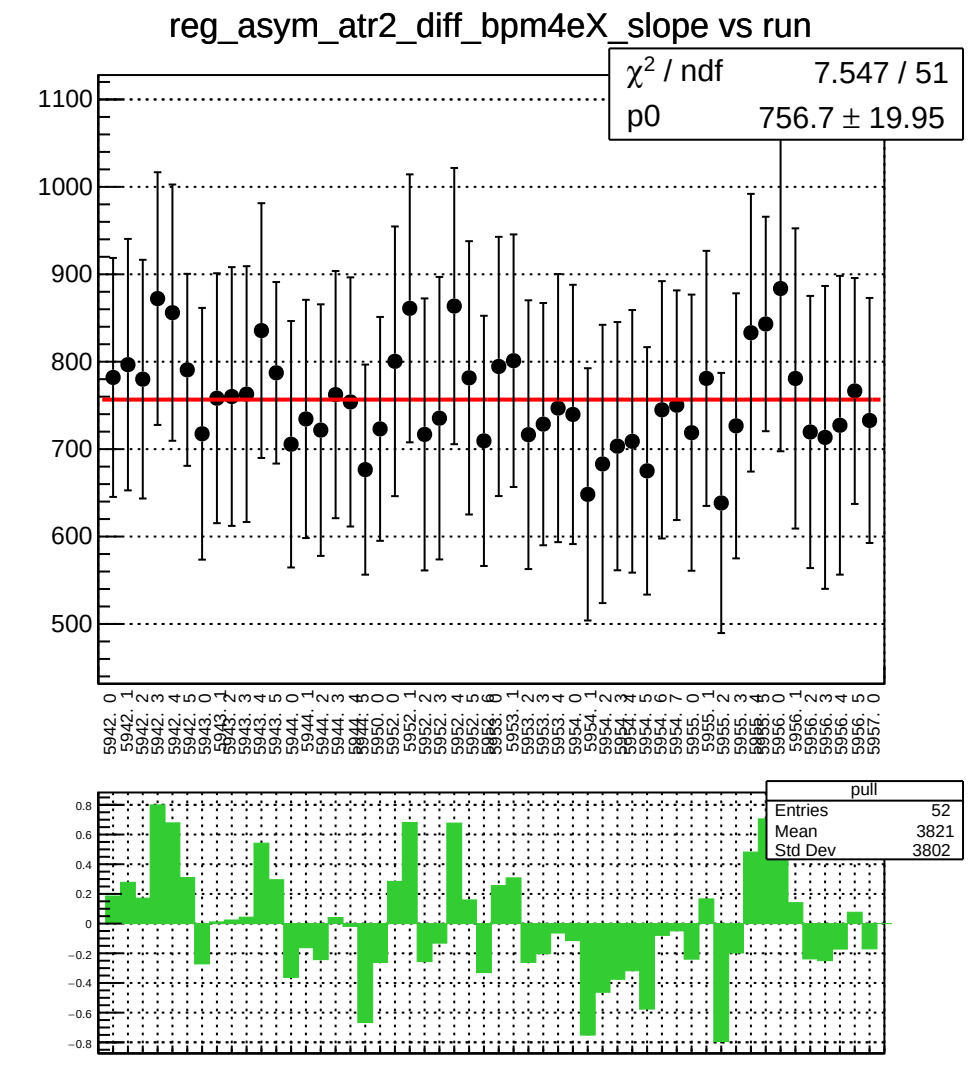

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 59.71 / 51
p0 −24.98 ± 0.2659
pull
Entries 52
Mean −4415
Std Dev 4442

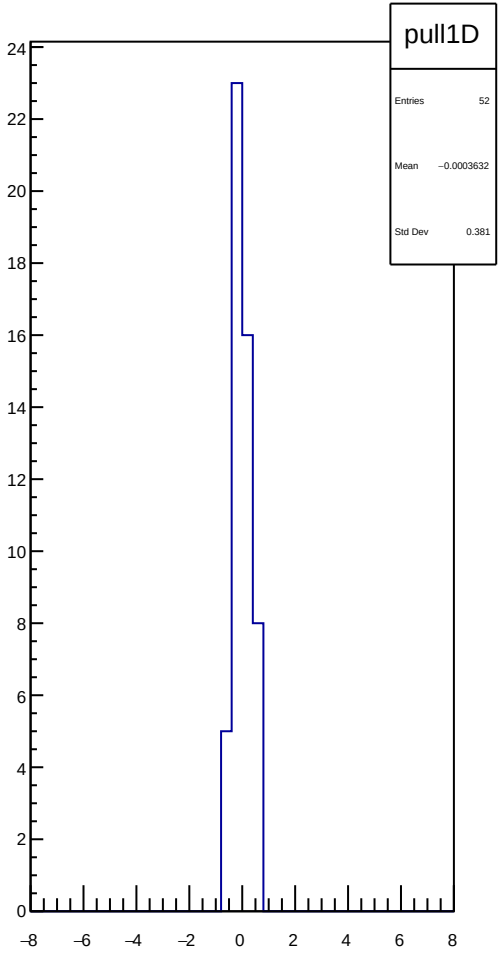

pull1D
Entries 52
Mean 0.0007207
Std Dev 1.072

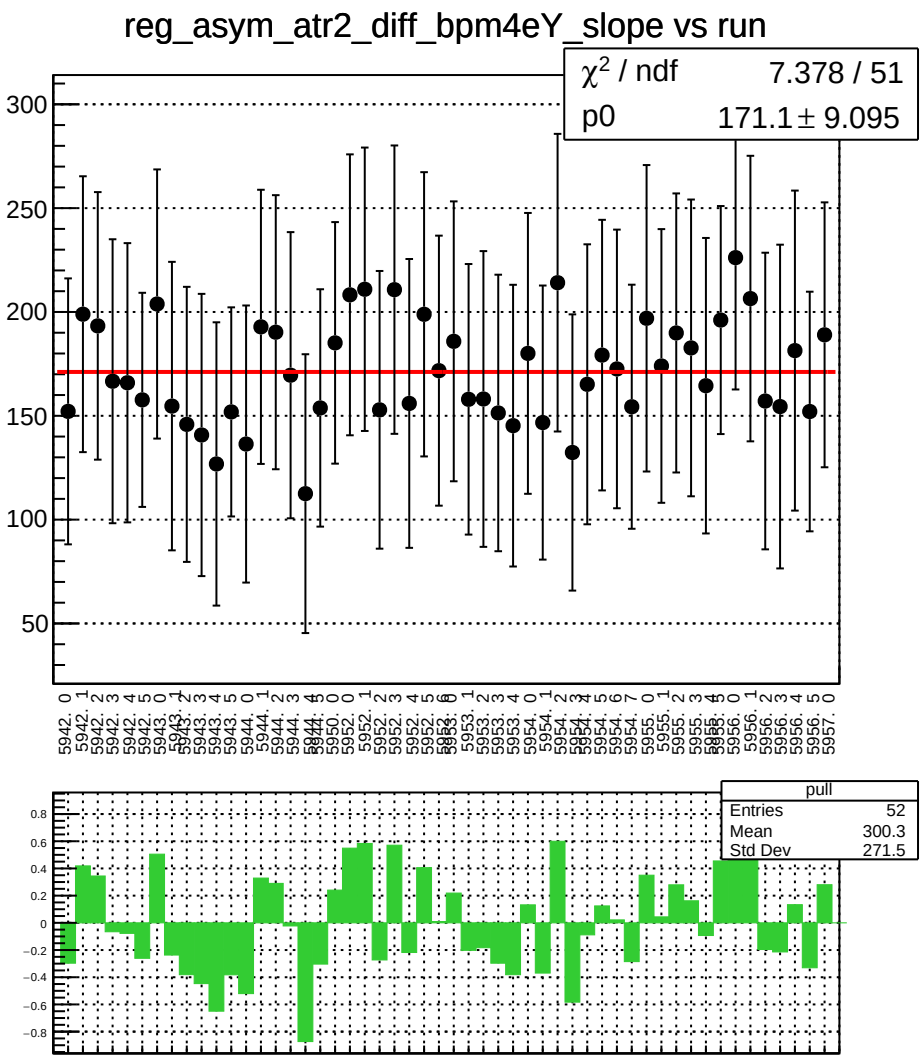

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 7.175 / 51
p0 −581.7 ± 18.8
pull
Entries 52
Mean −4933
Std Dev 4951

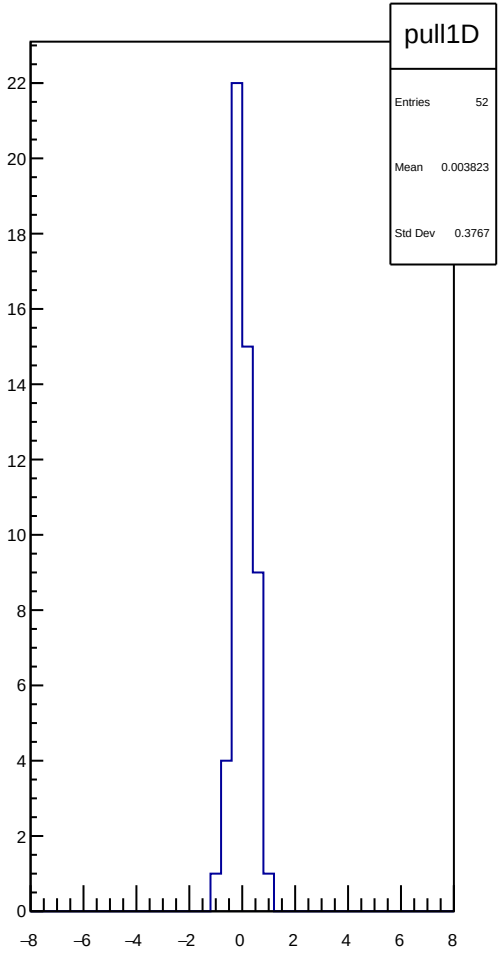

pull1D
Entries 52
Mean −0.0002534
Std Dev 0.3715

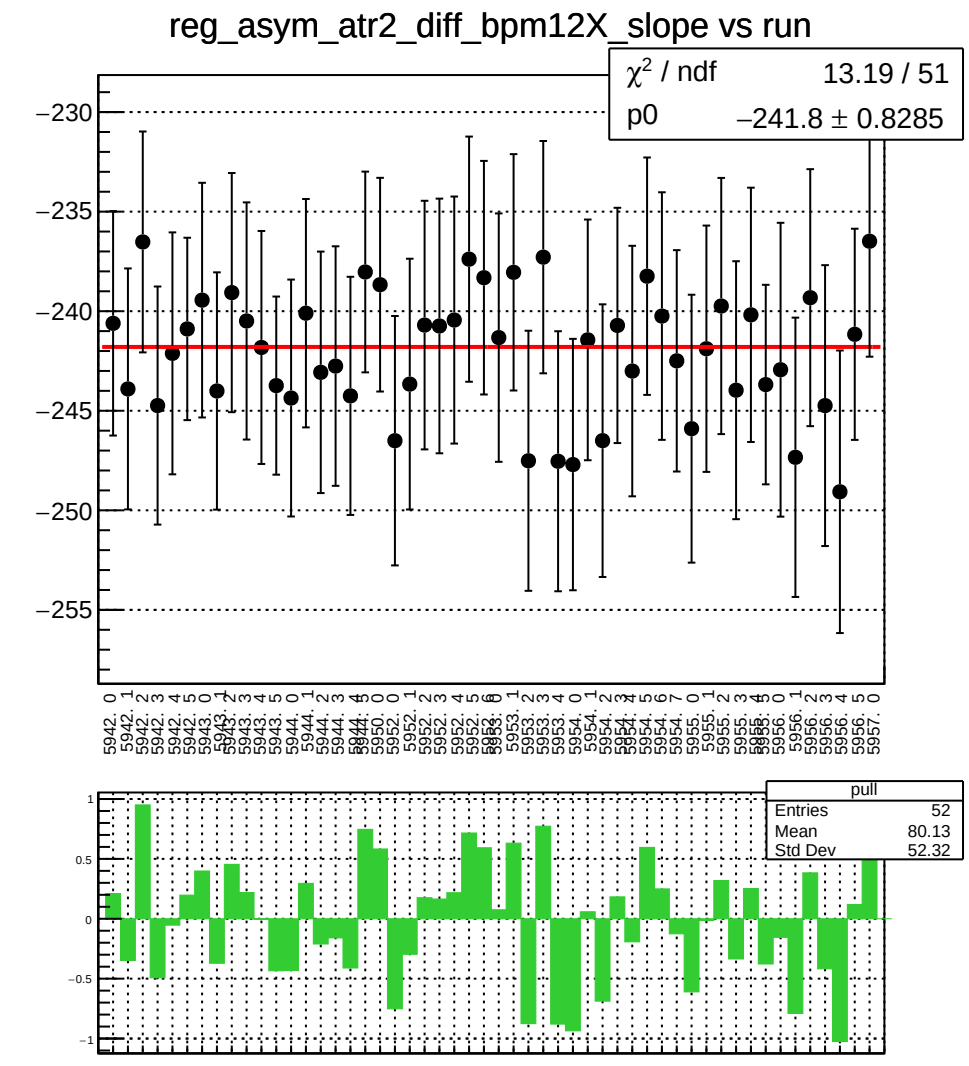

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.185 / 51
p0 −29.52 ± 6.975
pull
Entries 52
Mean 226.3
Std Dev 195.7
pull1D
Entries 52
Mean −0.00493
Std Dev 0.3448

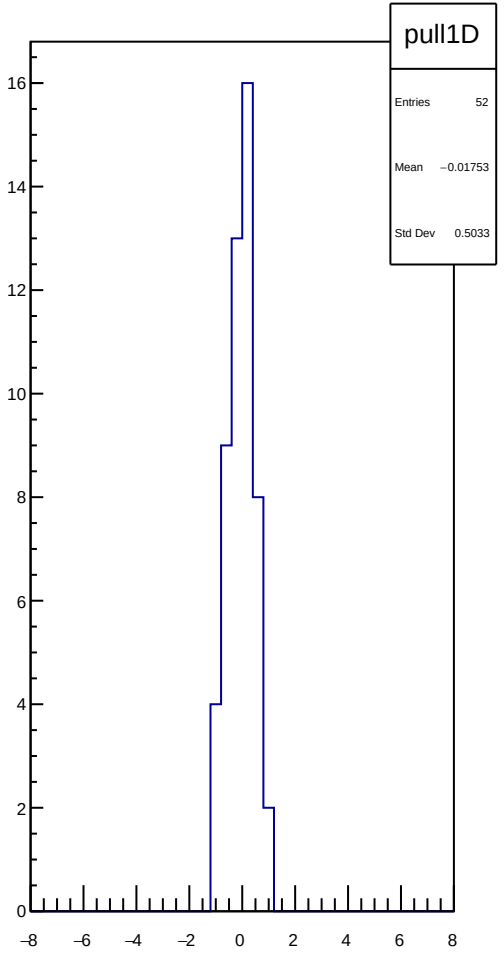

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 7.547 / 51
p0 756.7 ± 19.95
pull
Entries 52
Mean 3821
Std Dev 3802

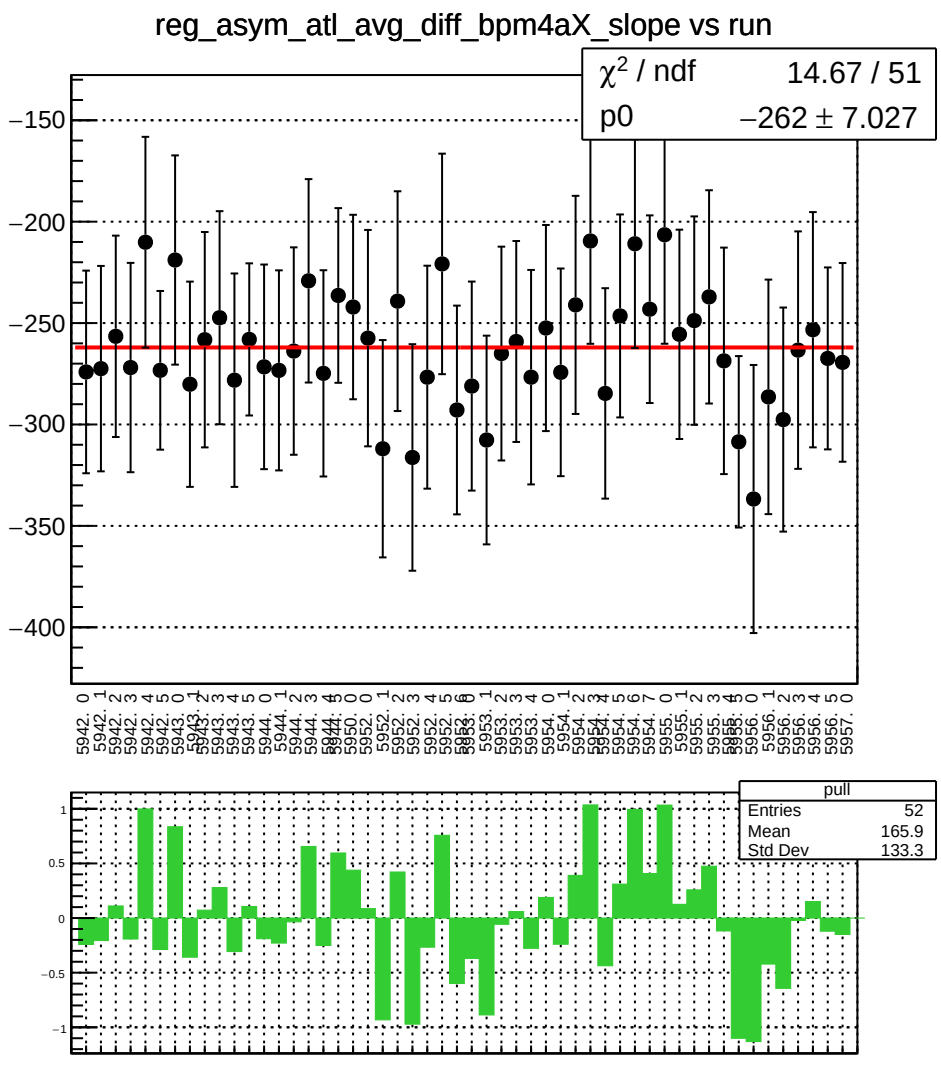

pull1D
Entries 52
Mean −0.0003632
Std Dev 0.381

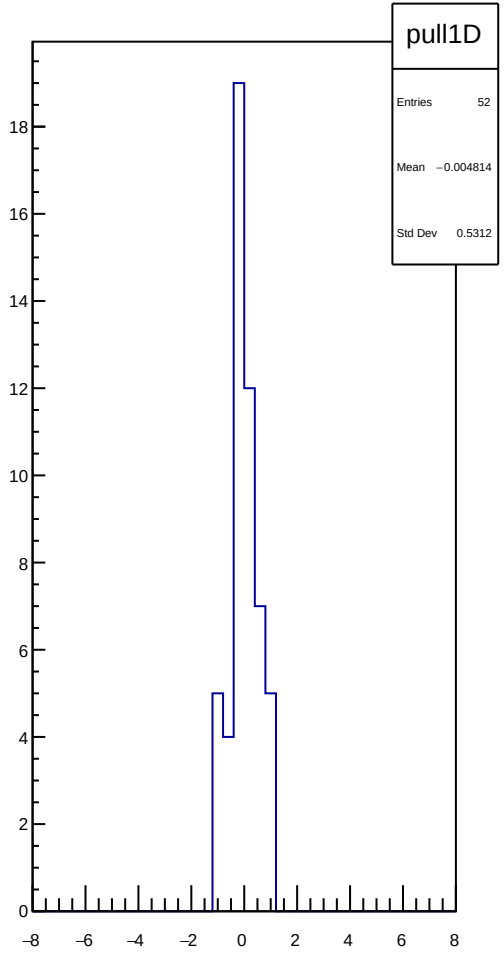

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 7.378 / 51
p0 171.1 ± 9.095
pull
Entries 52
Mean 300.3
Std Dev 271.5

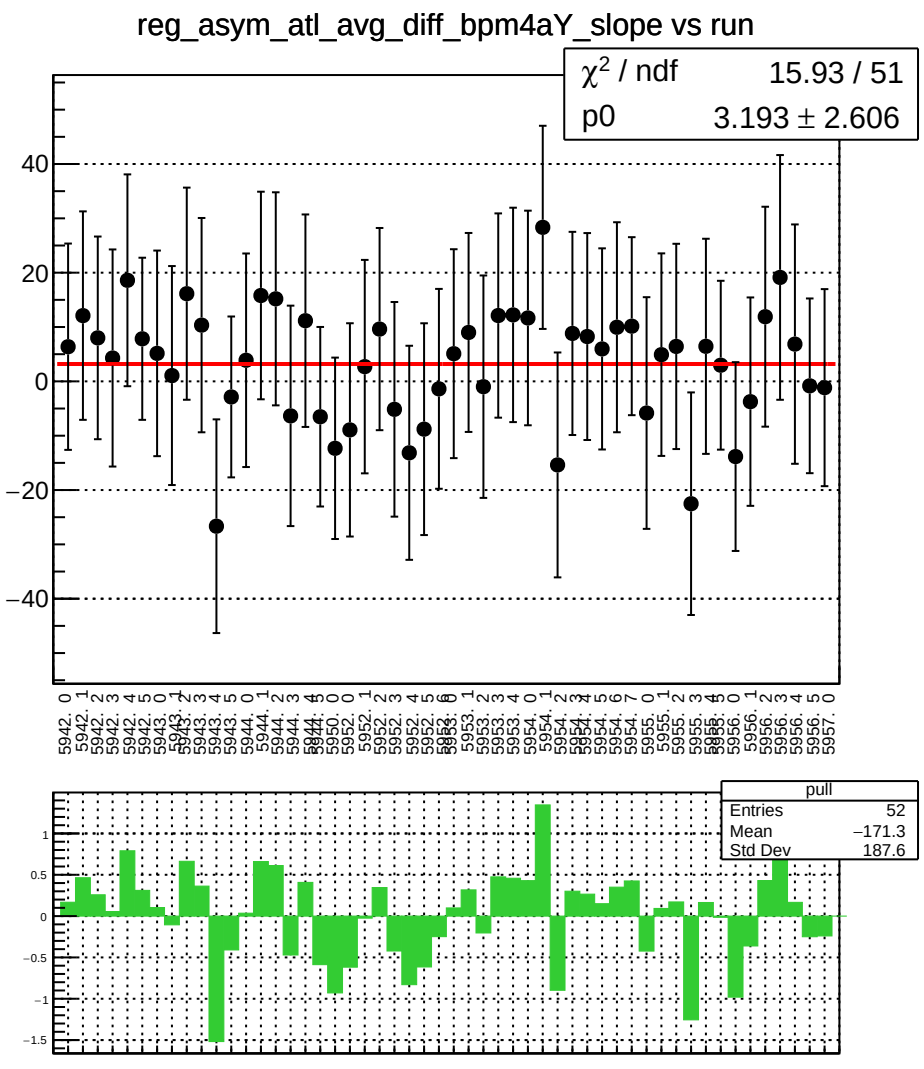

pull1D
Entries 52
Mean 0.003823
Std Dev 0.3767

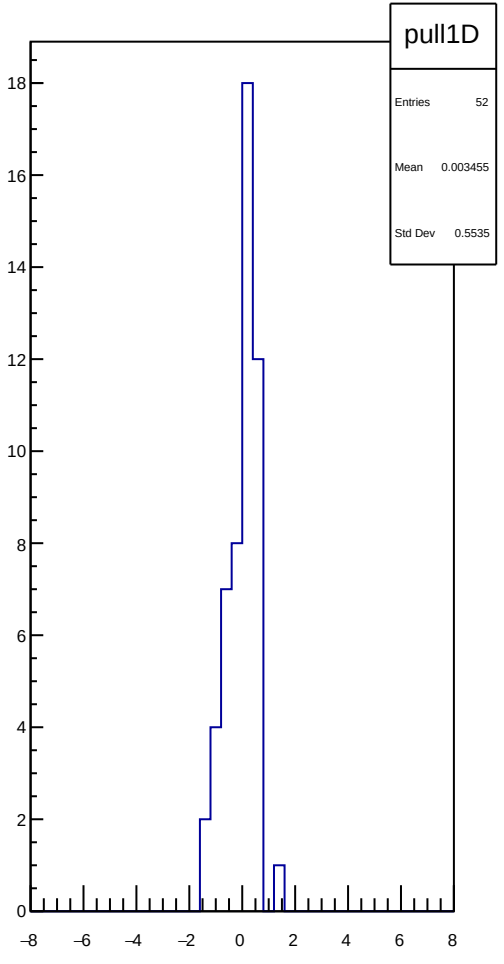

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.19 / 51
p0 −241.8 ± 0.8285
pull
Entries 52
Mean 80.13
Std Dev 52.32

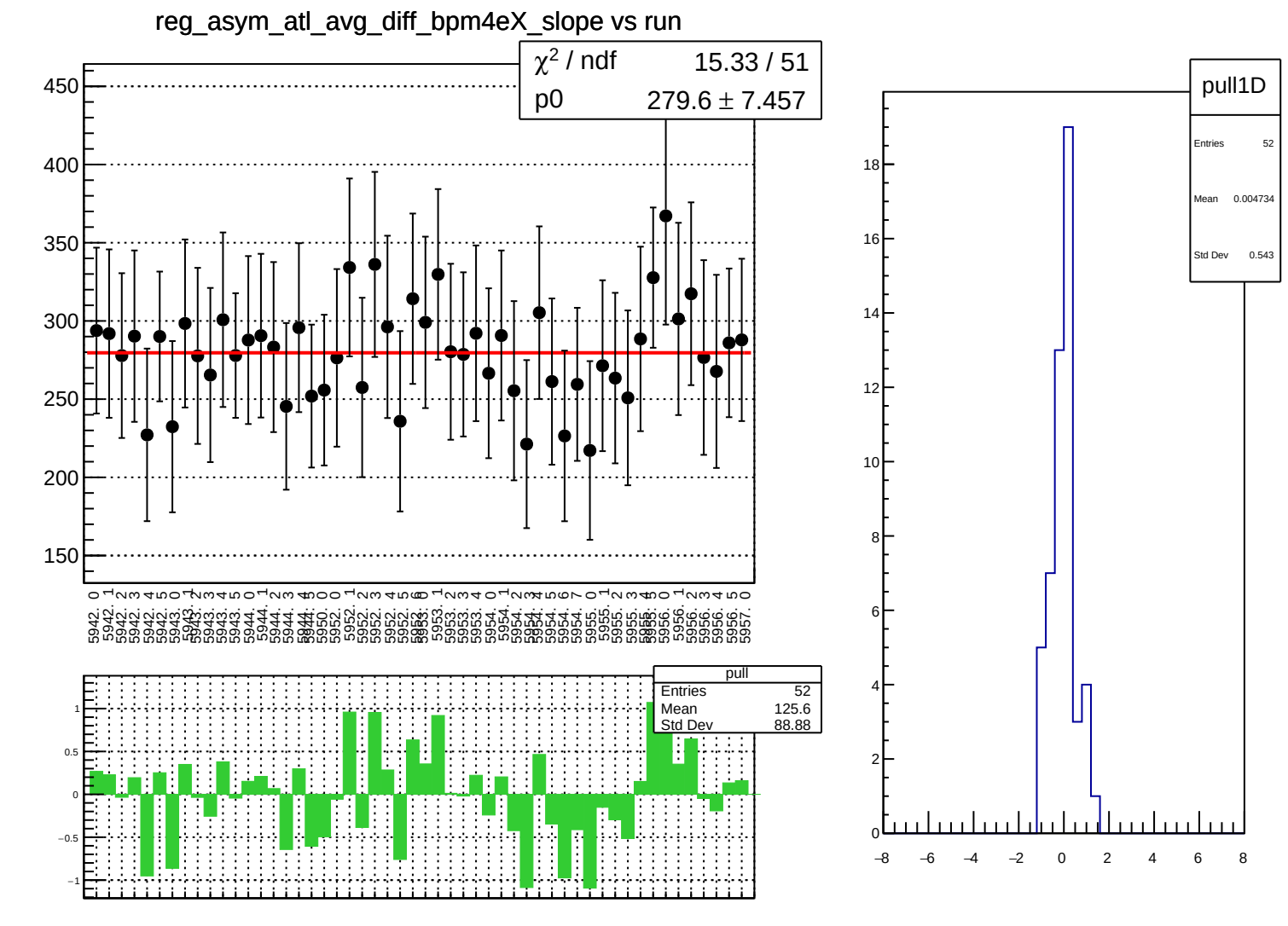

pull1D
Entries 52
Mean −0.01753
Std Dev 0.5033

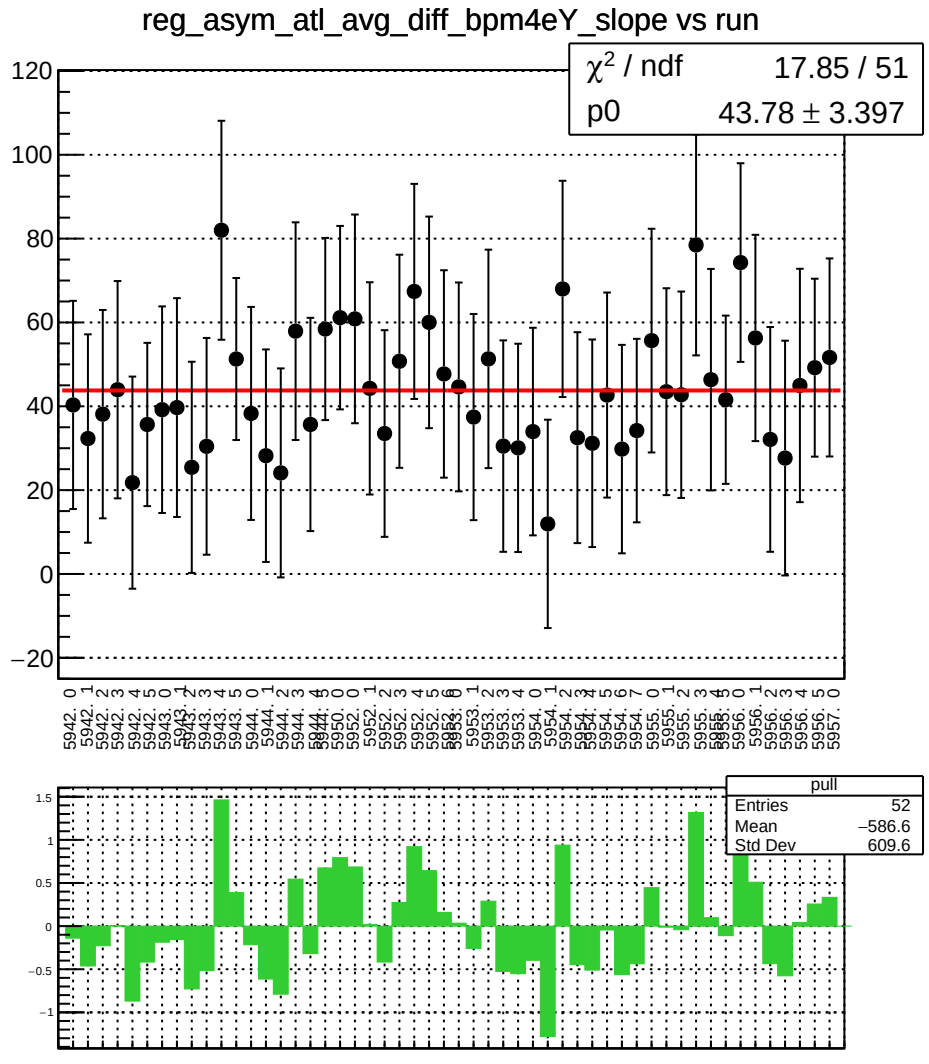

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.67 / 51
p0 −262 ± 7.027
pull
Entries 52
Mean 165.9
Std Dev 133.3

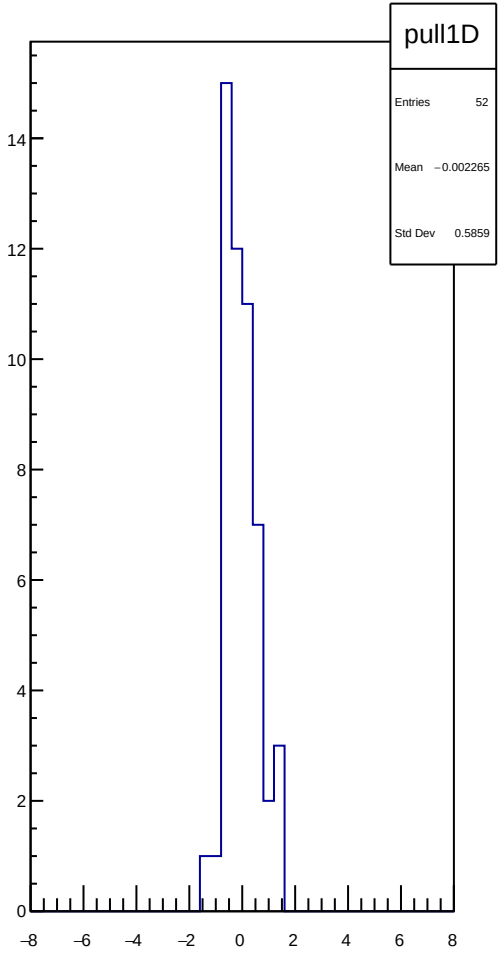

pull1D
Entries 52
Mean −0.004814
Std Dev 0.5312

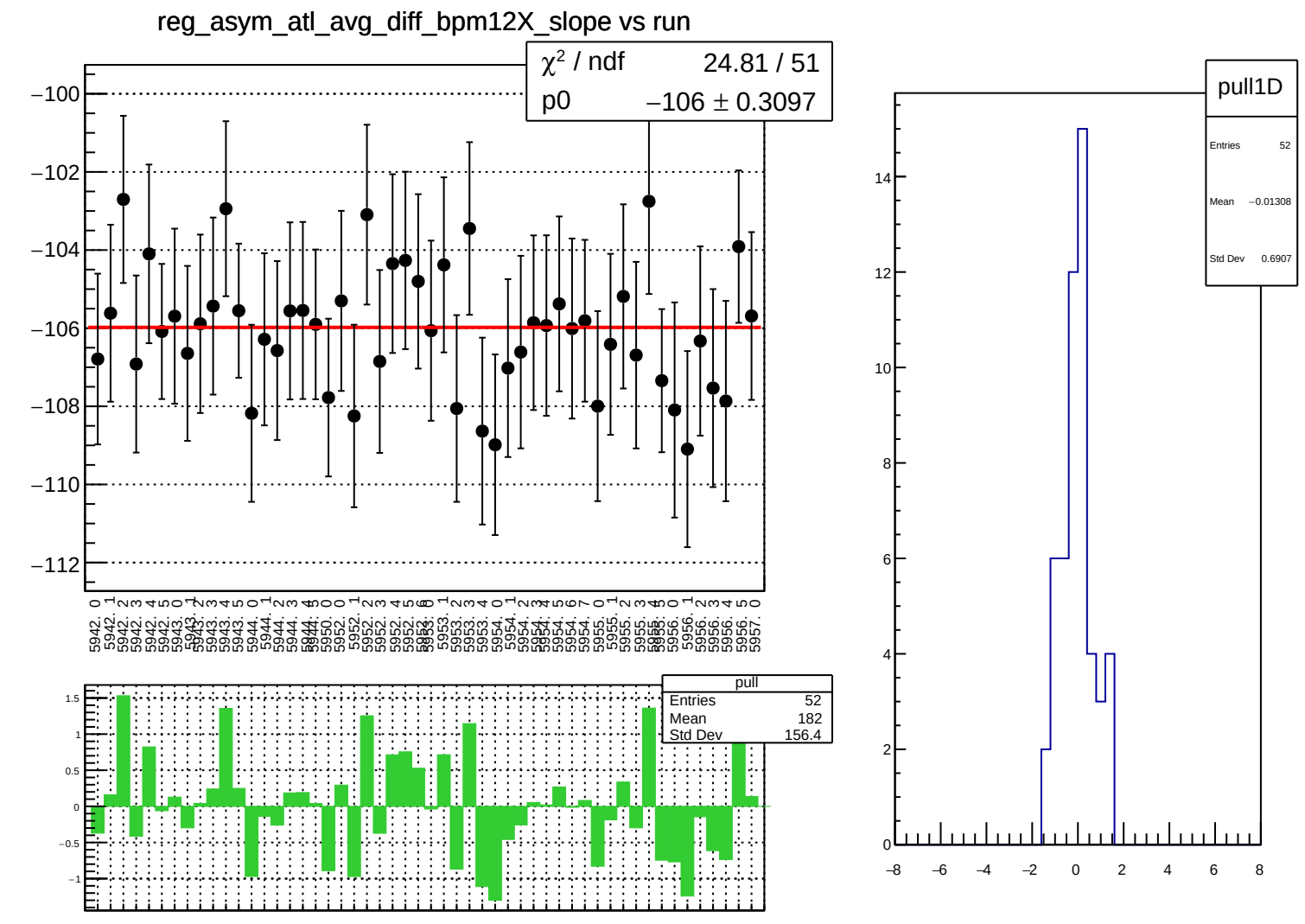

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.93 / 51
p0 3.193 ± 2.606
pull
Entries 52
Mean −171.3
Std Dev 187.6

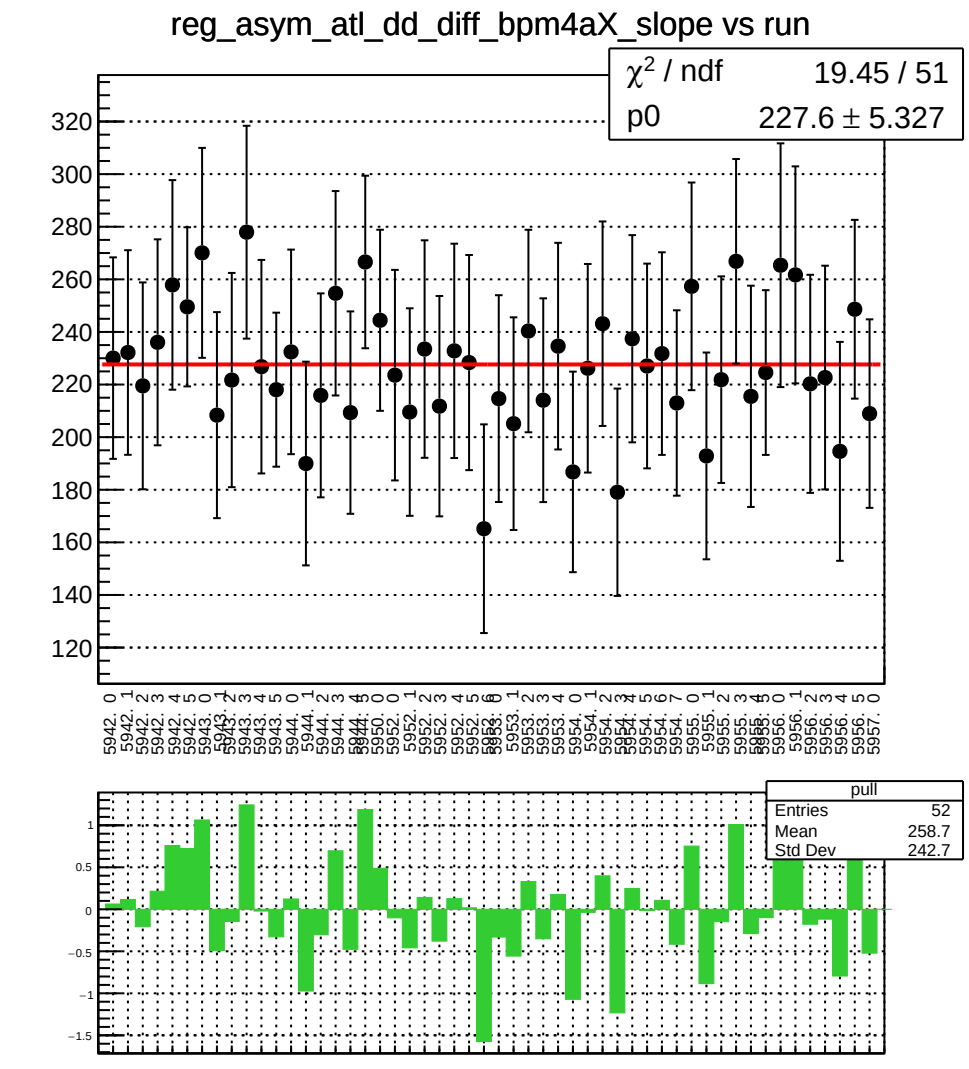

pull1D
Entries 52
Mean 0.003455
Std Dev 0.5535

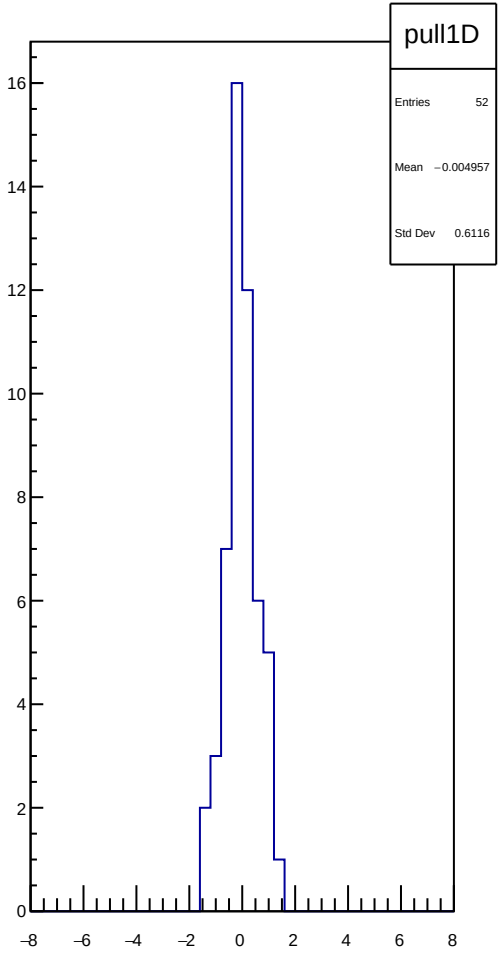

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.33 / 51
p0 279.6 ± 7.457
pull
Entries 52
Mean 125.6
Std Dev 88.88
pull1D
Entries 52
Mean 0.004734
Std Dev 0.543

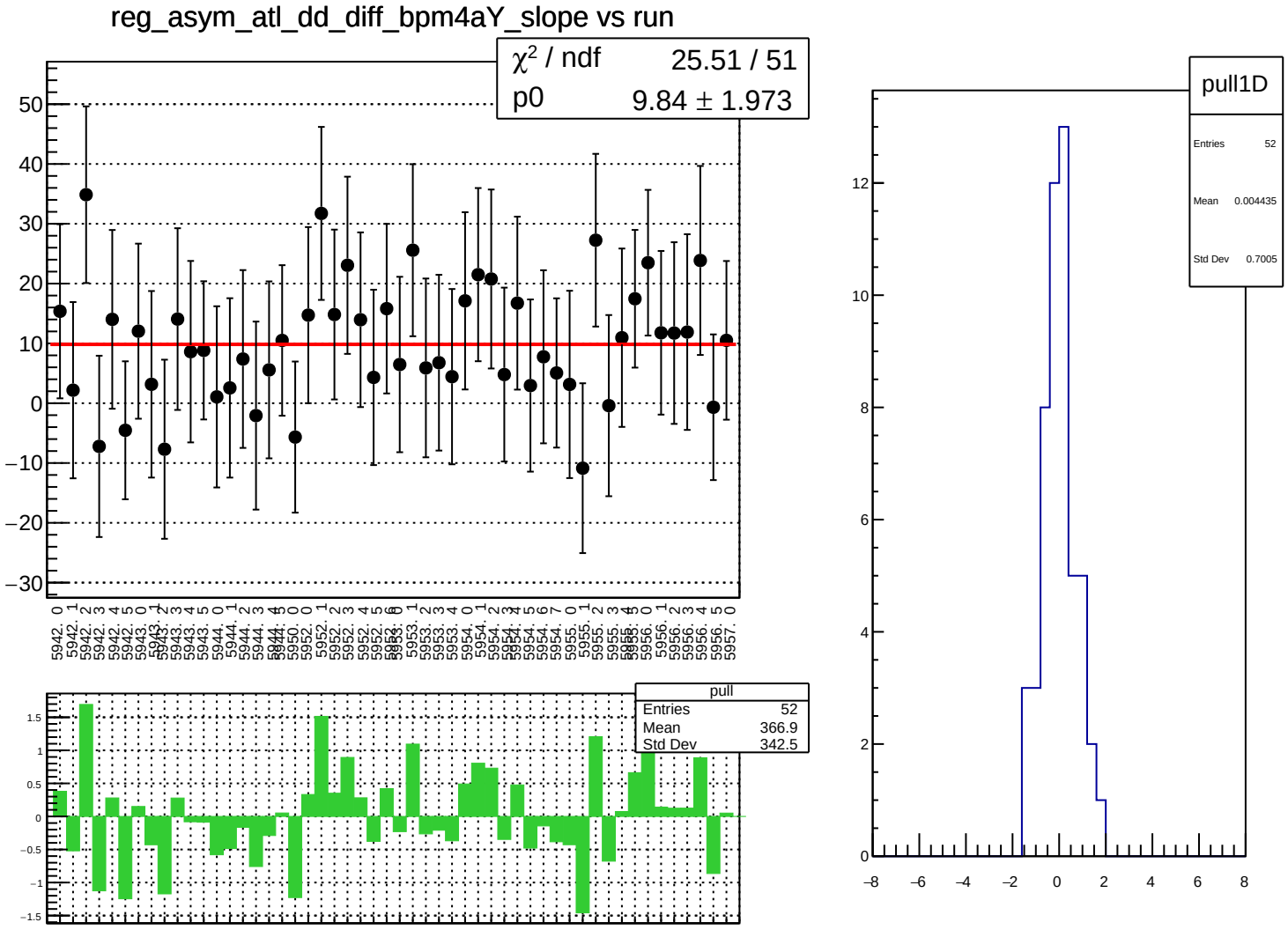

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.85 / 51
p0 43.78 ± 3.397
pull
Entries 52
Mean −586.6
Std Dev 609.6

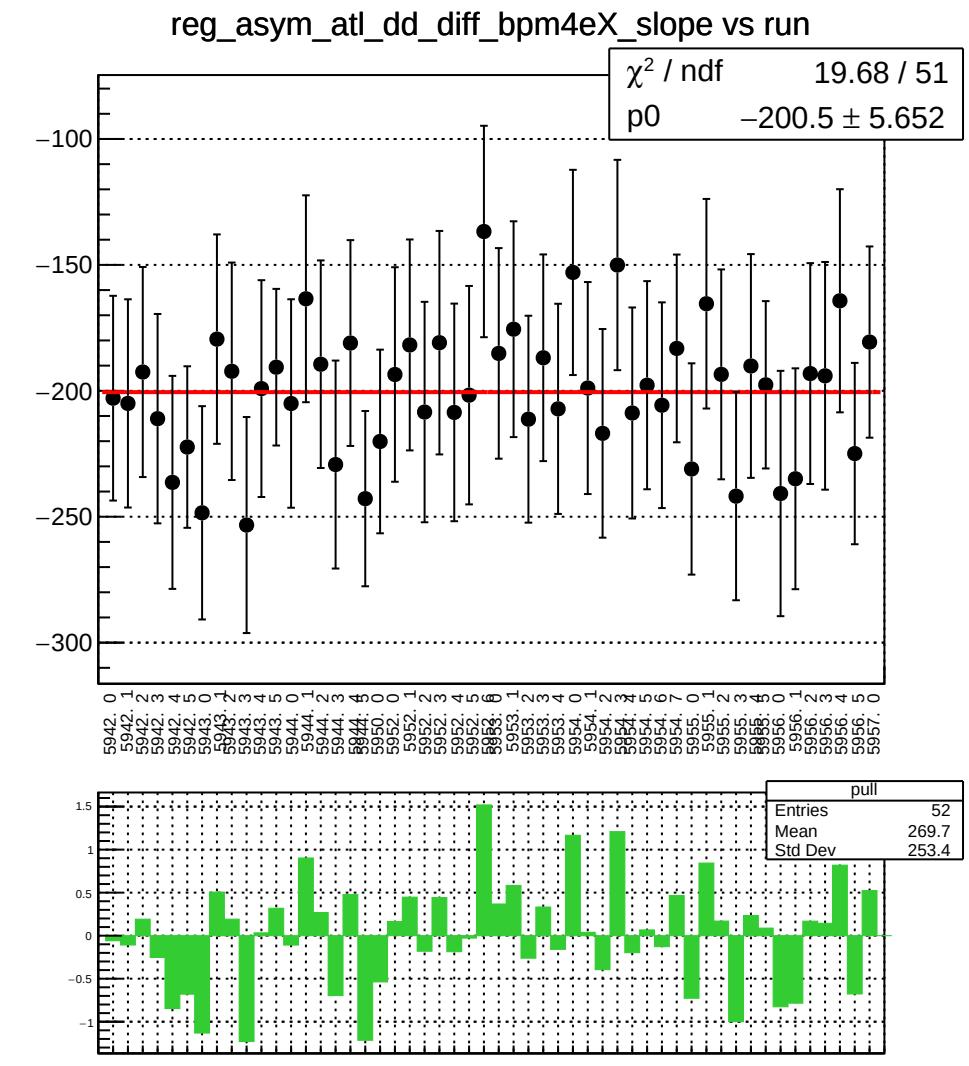

pull1D
Entries 52
Mean −0.002265
Std Dev 0.5859

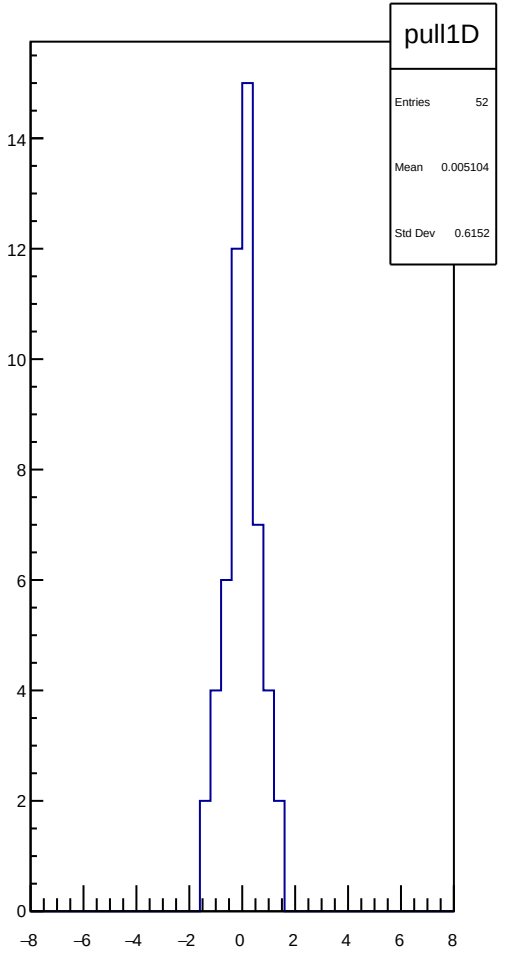

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 24.81 / 51
p0 −106 ± 0.3097
pull
Entries 52
Mean 182
Std Dev 156.4
pull1D
Entries 52
Mean −0.01308
Std Dev 0.6907

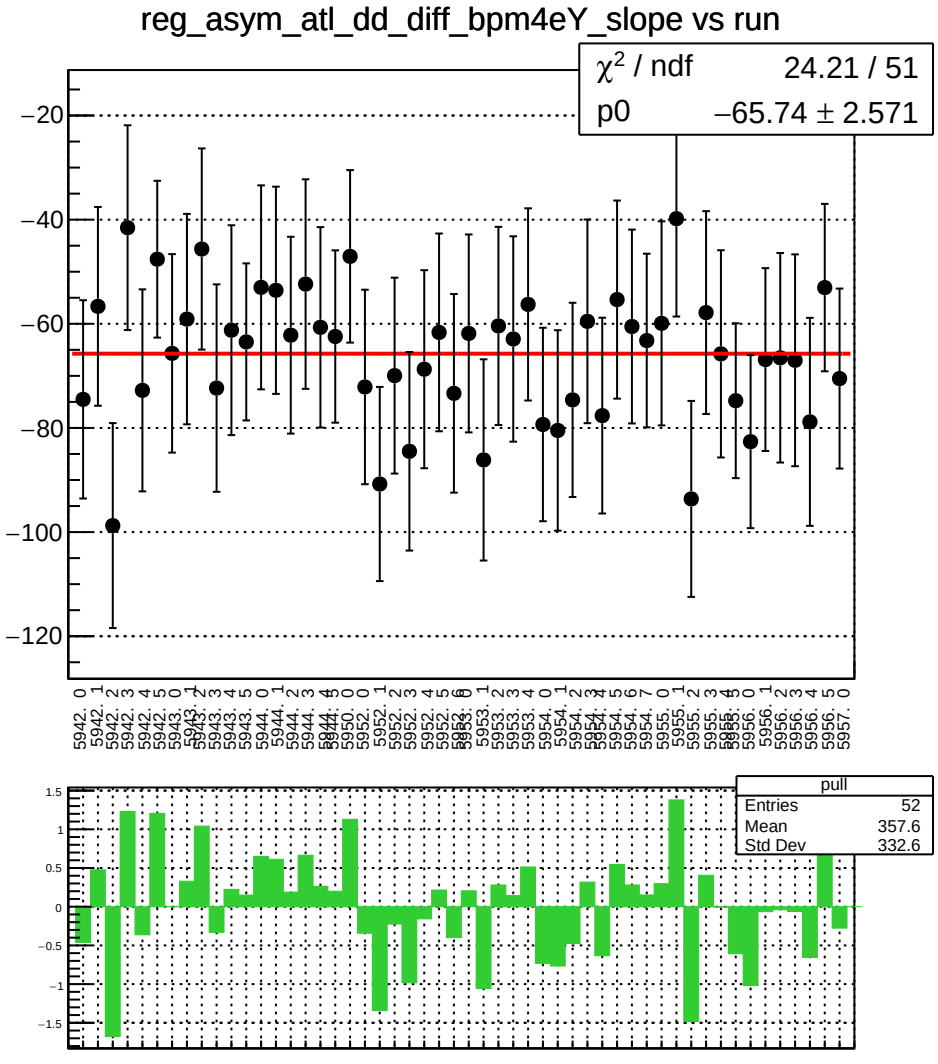

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 19.45 / 51
p0 227.6 ± 5.327
pull
Entries 52
Mean 258.7
Std Dev 242.7

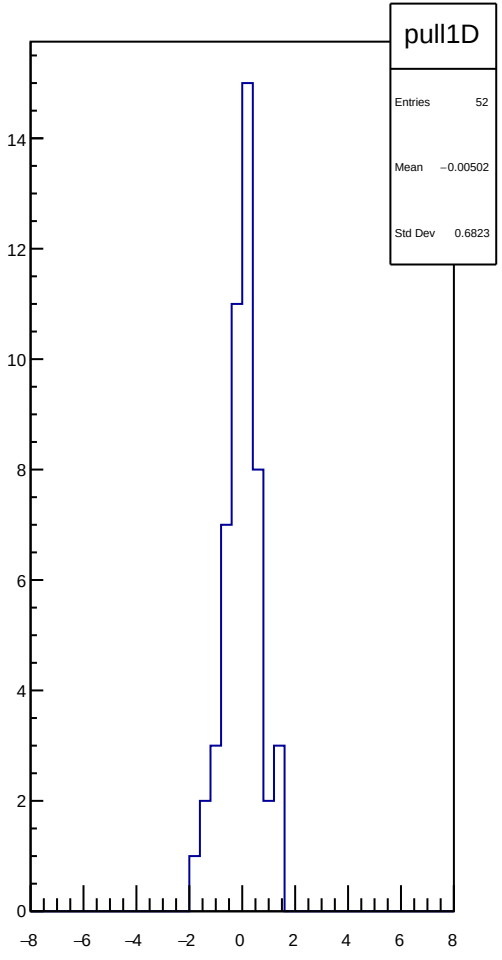

pull1D
Entries 52
Mean −0.004957
Std Dev 0.6116

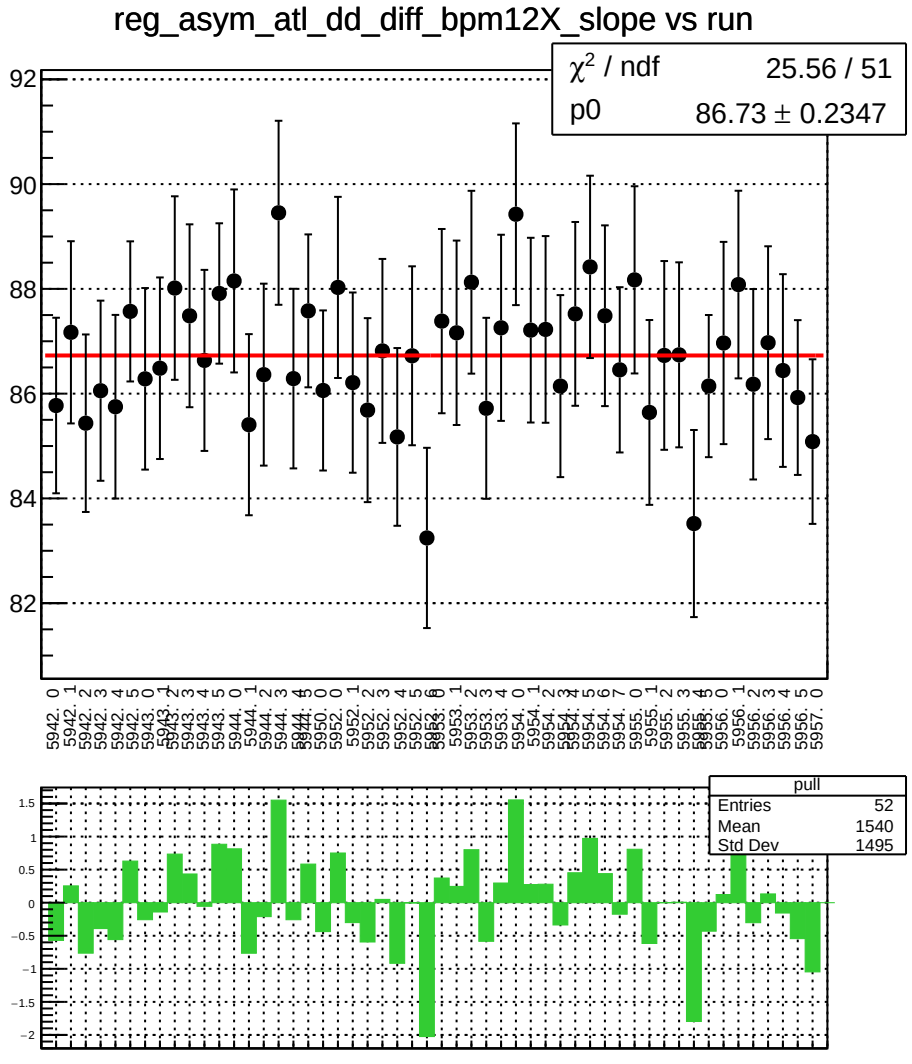

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.51 / 51
p0 9.84 ± 1.973
pull
Entries 52
Mean 366.9
Std Dev 342.5
pull1D
Entries 52
Mean 0.004435
Std Dev 0.7005

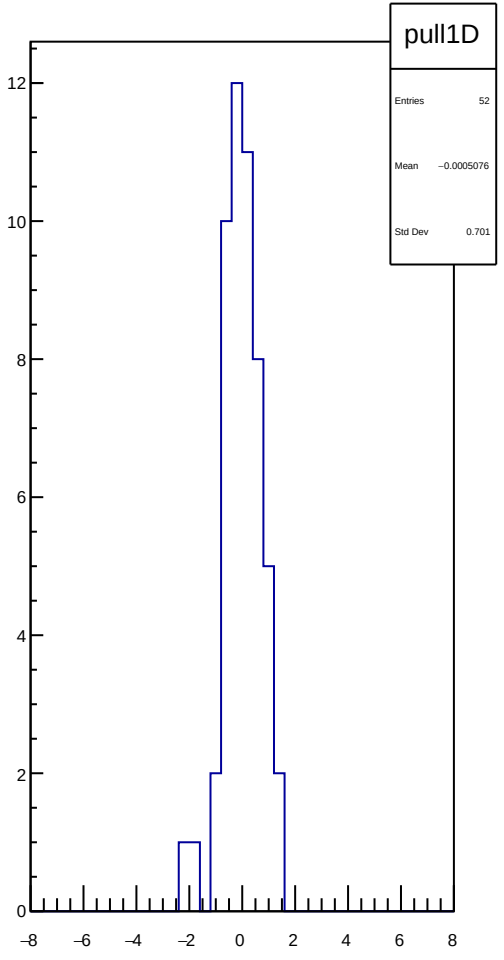

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.68 / 51
p0 −200.5 ± 5.652
−100
−150
−200
−250
−300
pull
Entries 52
Mean 269.7
Std Dev 253.4
1.5
1
0.5
0
−0.5
−1

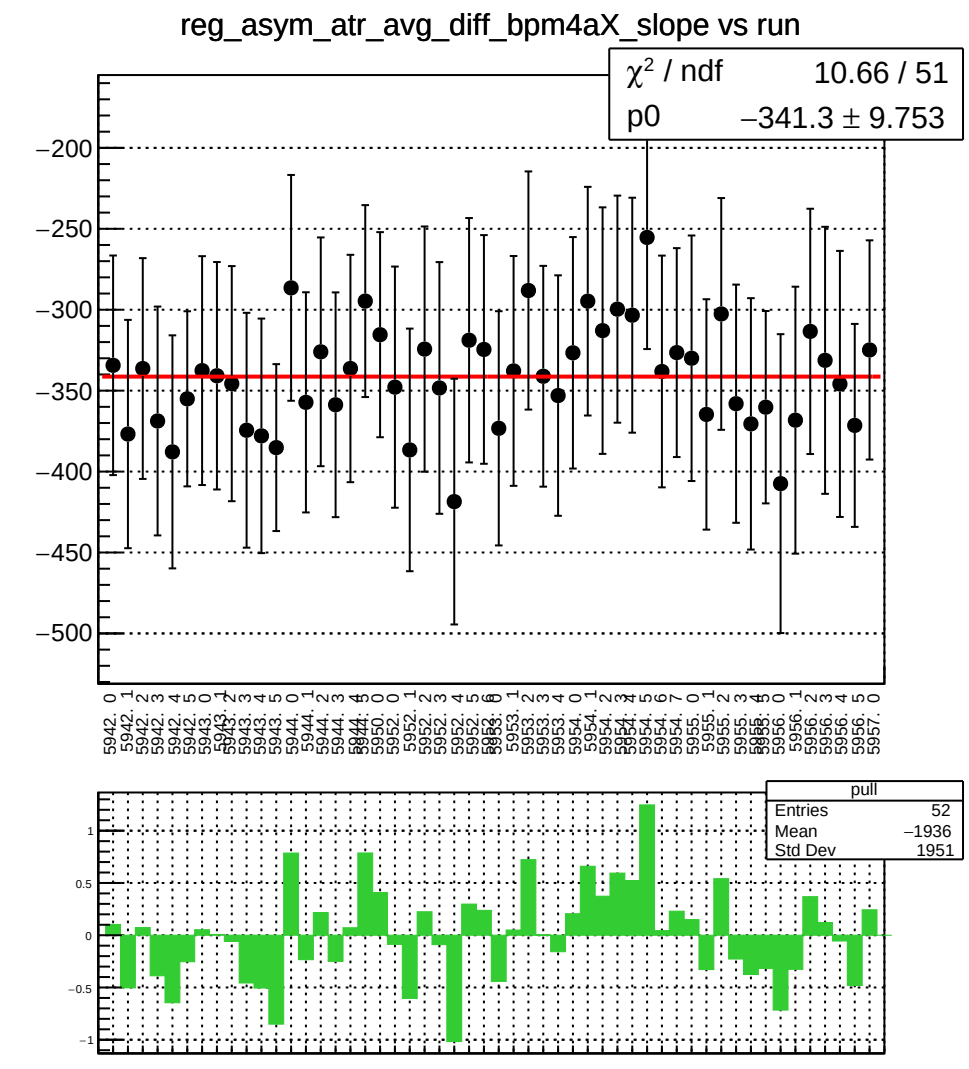

pull1D
Entries 52
Mean 0.005104
Std Dev 0.6152
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

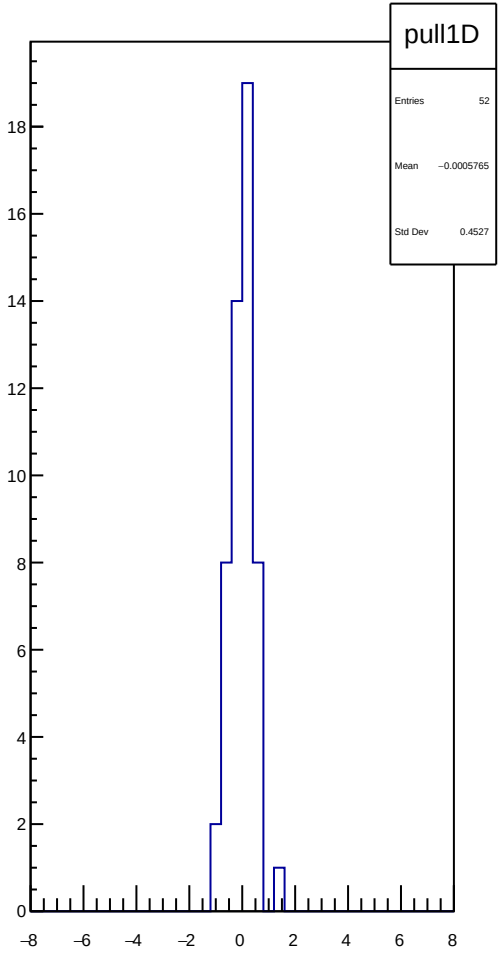

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.21 / 51
p0 −65.74 ± 2.571
pull
Entries 52
Mean 357.6
Std Dev 332.6

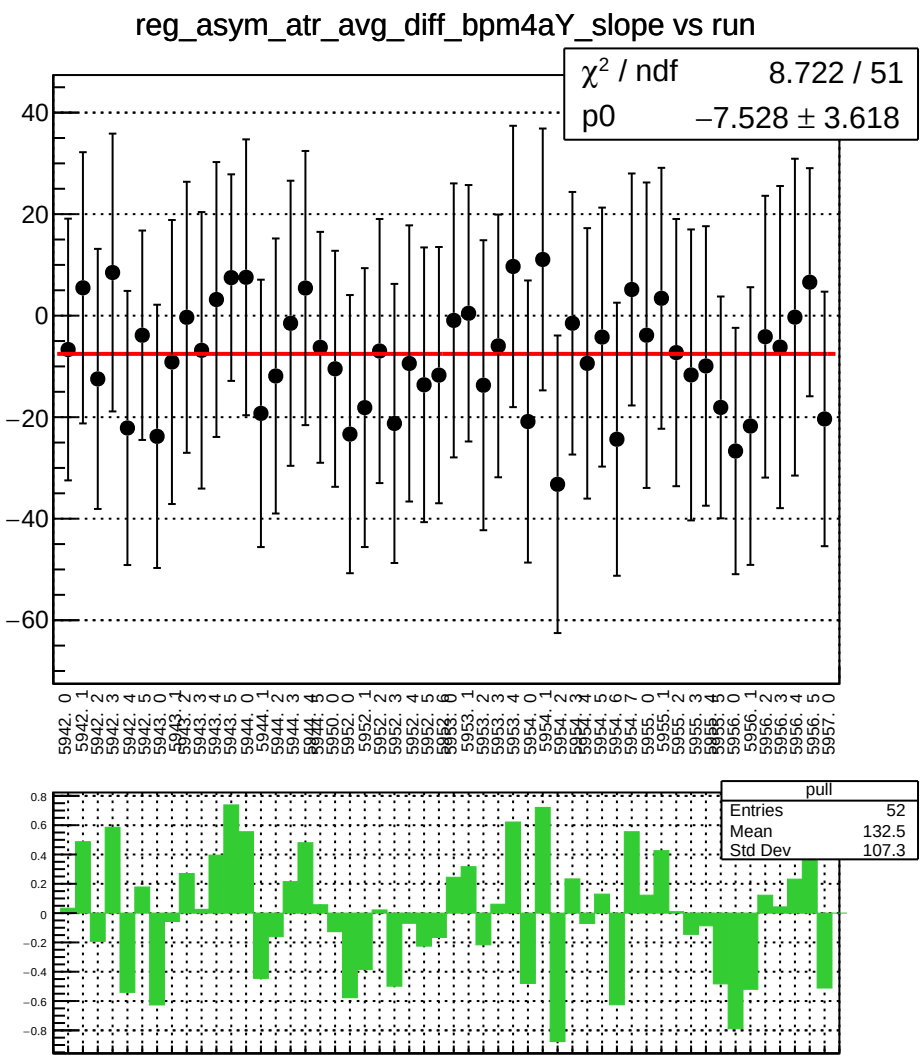

pull1D
Entries 52
Mean −0.00502
Std Dev 0.6823

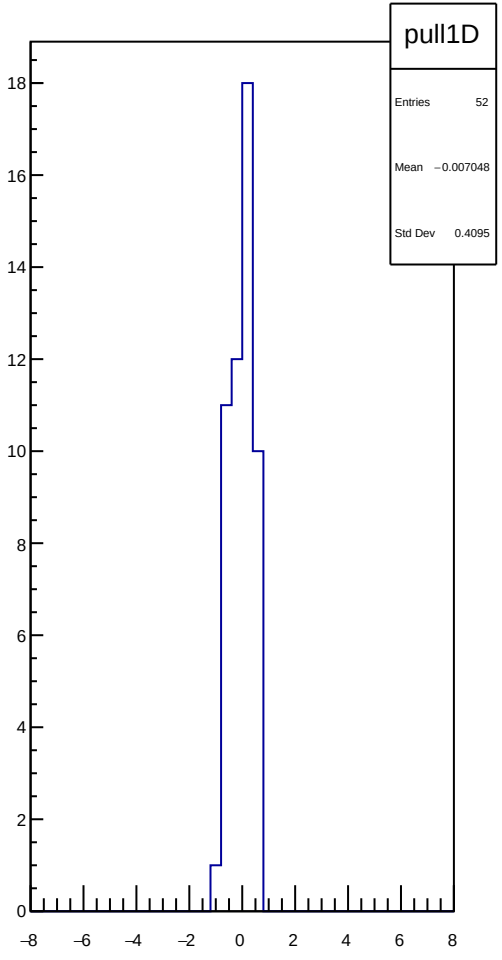

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 25.56 / 51
p0 86.73 ± 0.2347
92
90
88
86
84
82
pull
Entries 52
Mean 1540
Std Dev 1495
1.5
1
0.5
0
−0.5
−1
−1.5
−2

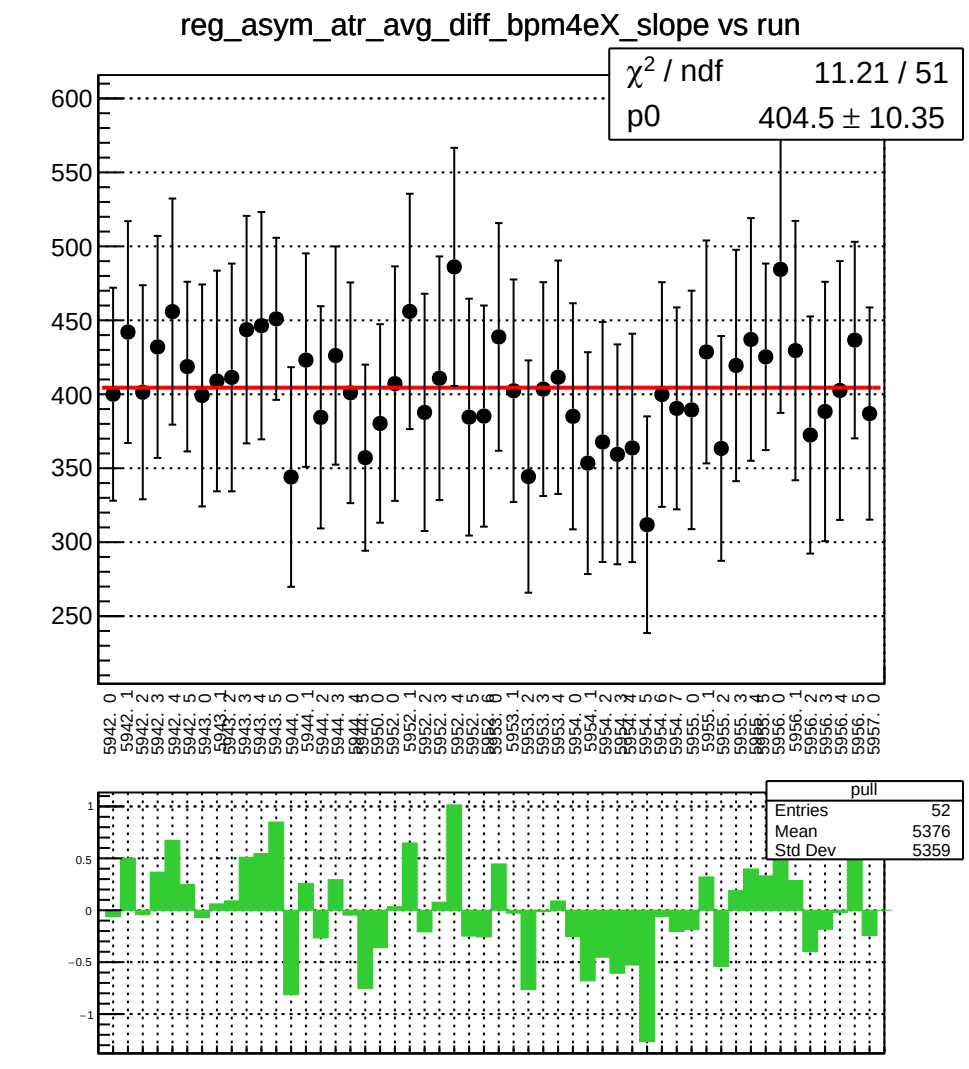

pull1D
Entries 52
Mean −0.0005076
Std Dev 0.701
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

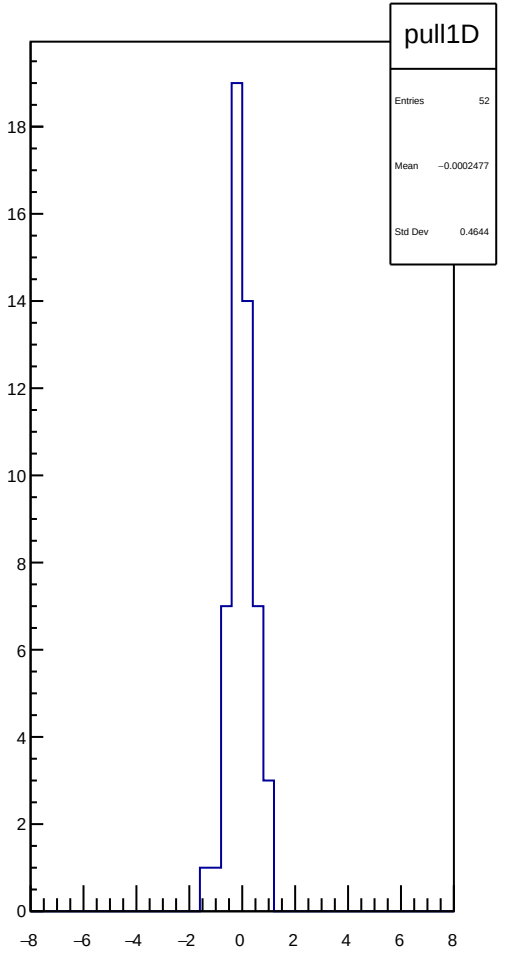

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.66 / 51
p0 −341.3 ± 9.753
pull
Entries 52
Mean −1936
Std Dev 1951

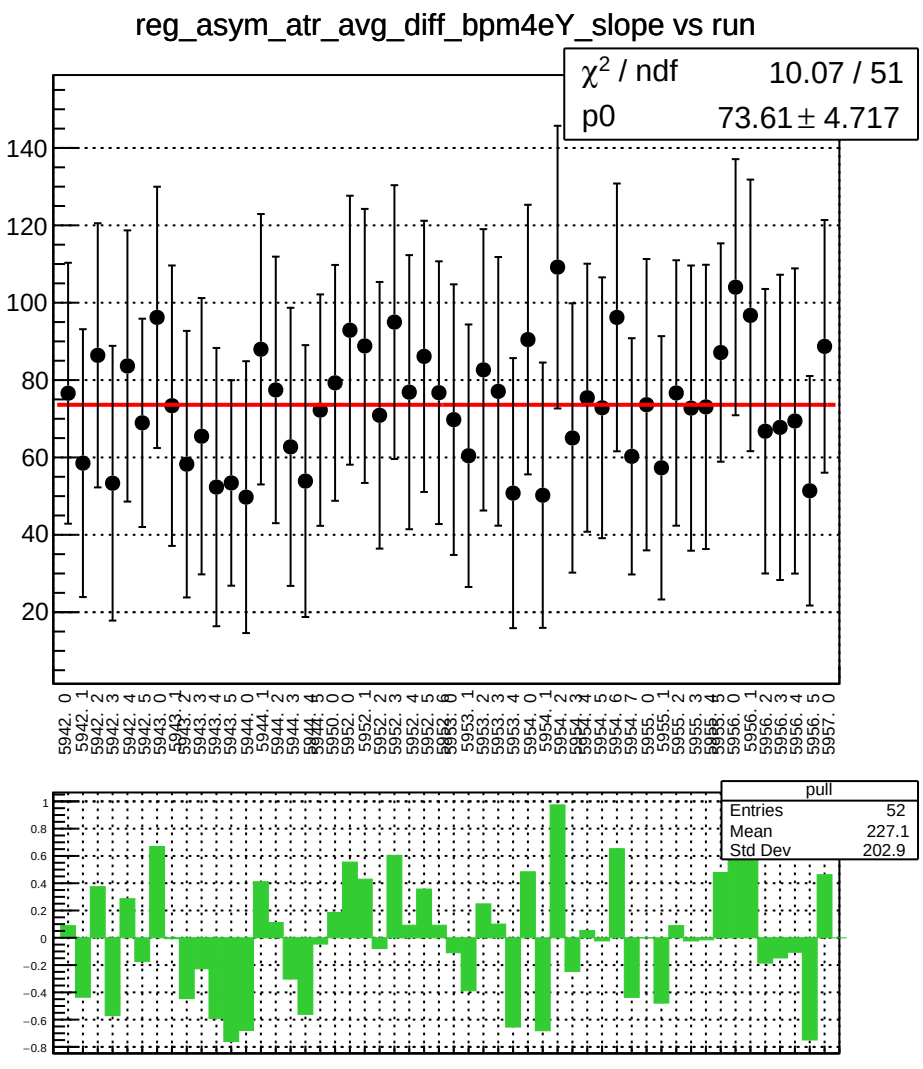

pull1D
Entries 52
Mean −0.0005765
Std Dev 0.4527

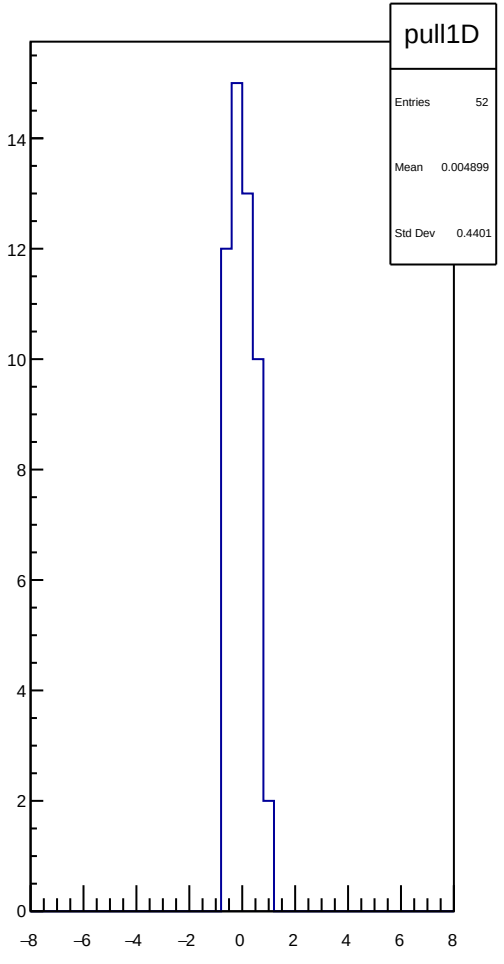

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.722 / 51
p0 −7.528 ± 3.618
pull
Entries 52
Mean 132.5
Std Dev 107.3

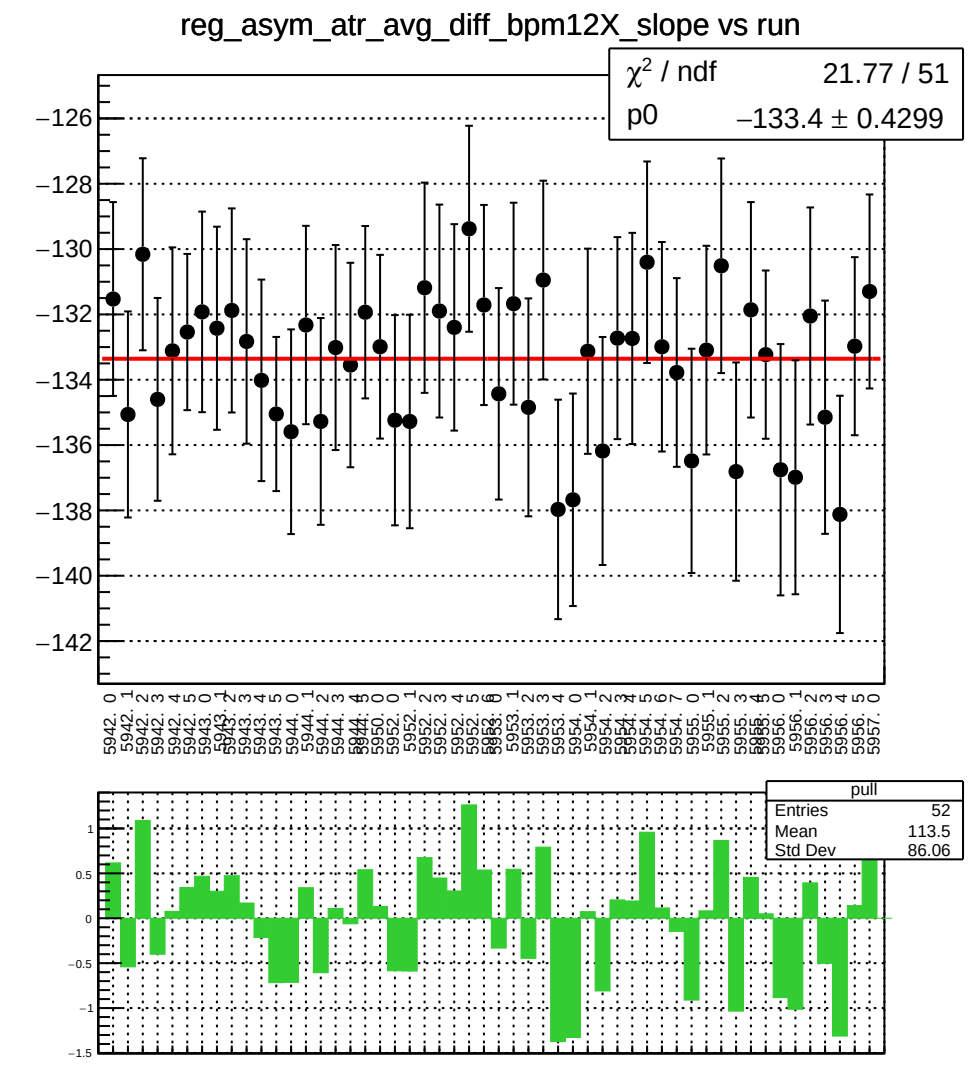

pull1D
Entries 52
Mean −0.007048
Std Dev 0.4095

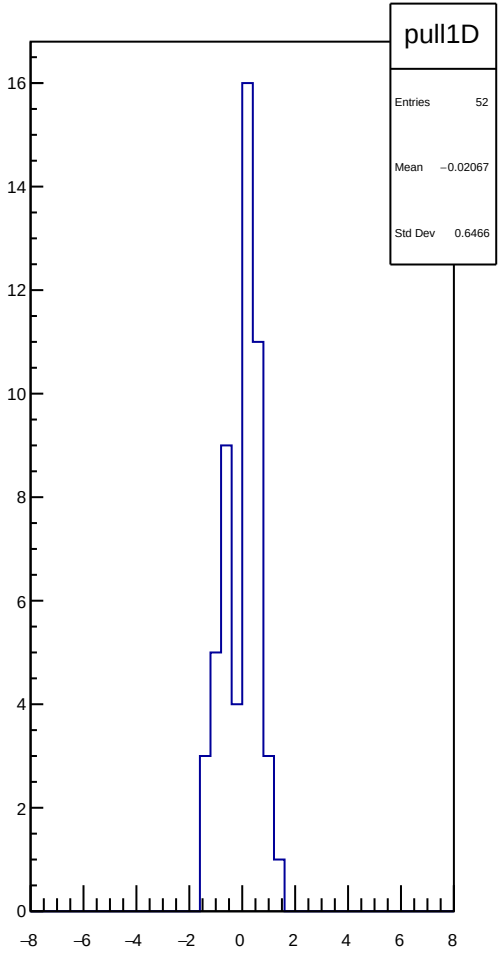

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.21 / 51
p0 404.5 ± 10.35
600
550
500
450
400
350
300
250
pull
Entries 52
Mean 5376
Std Dev 5359
1
0.5
0
−0.5
−1

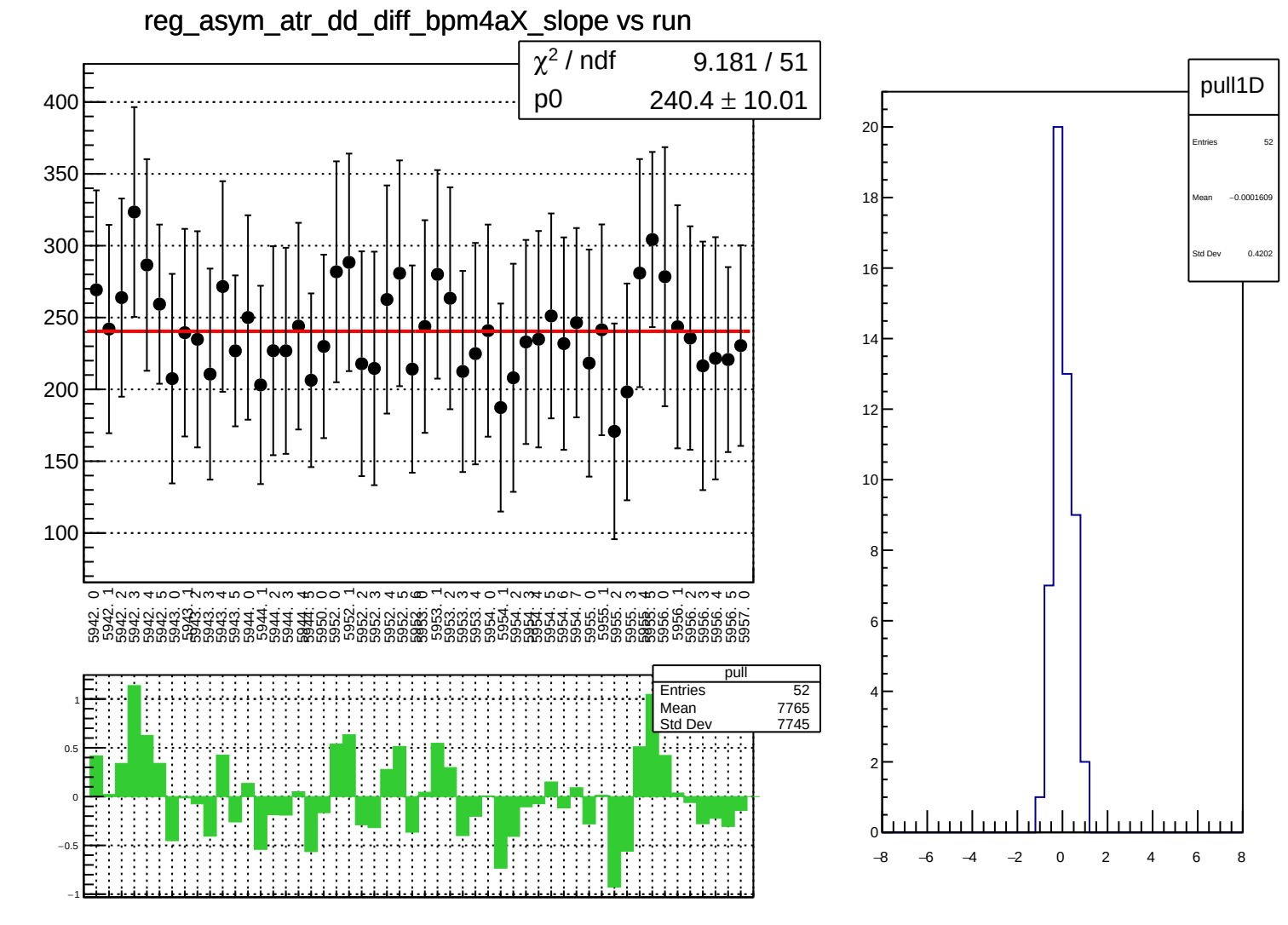

pull1D
Entries 52
Mean −0.0002477
Std Dev 0.4644
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

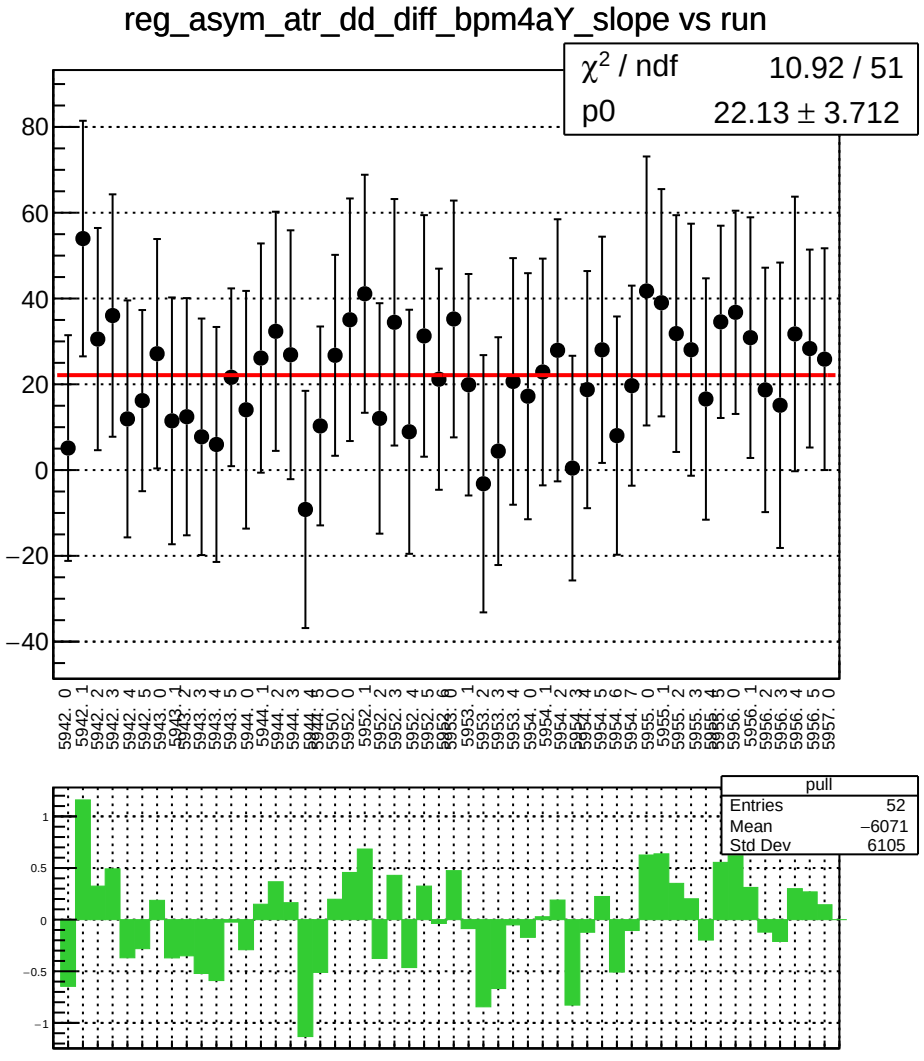

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.07 / 51
p0 73.61 ± 4.717
pull
Entries 52
Mean 227.1
Std Dev 202.9

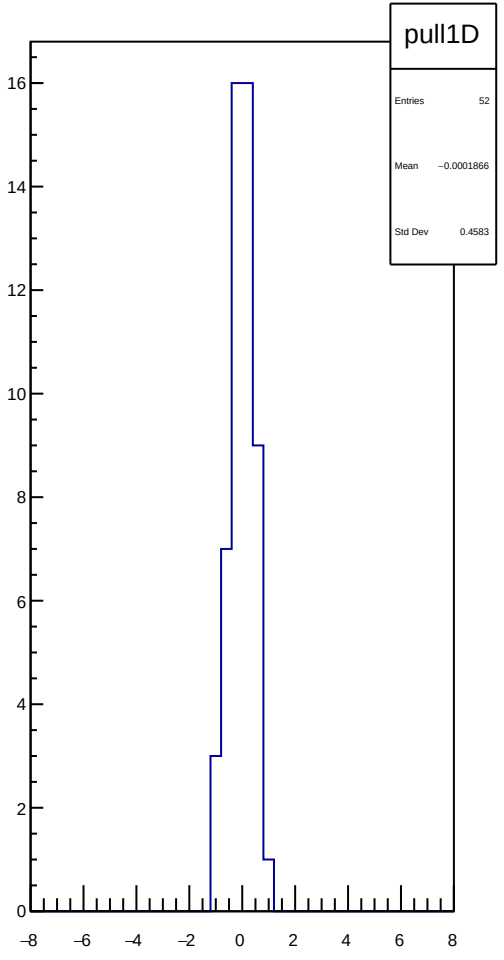

pull1D
Entries 52
Mean 0.004899
Std Dev 0.4401

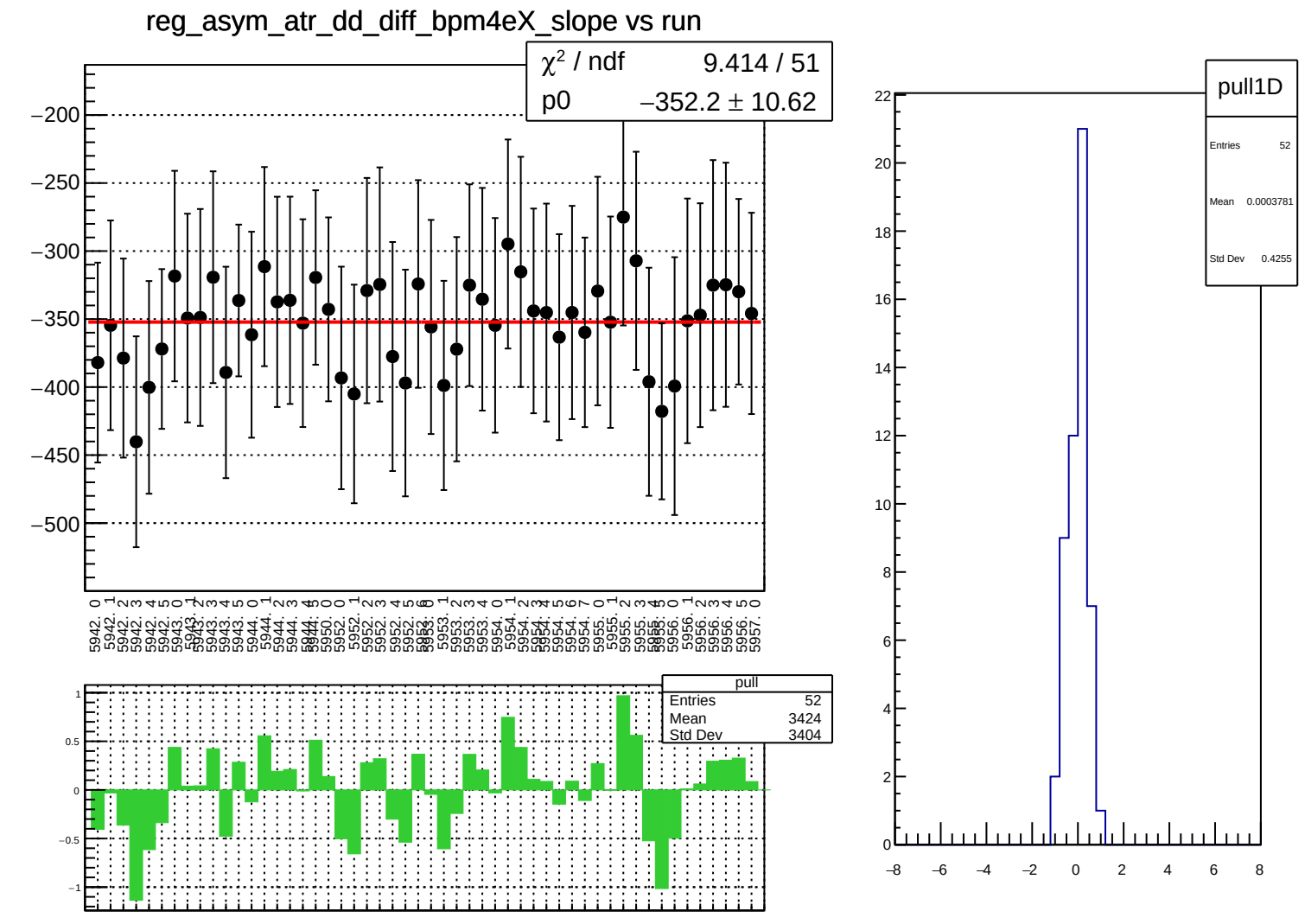

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 21.77 / 51
p0 −133.4 ± 0.4299
pull
Entries 52
Mean 113.5
Std Dev 86.06

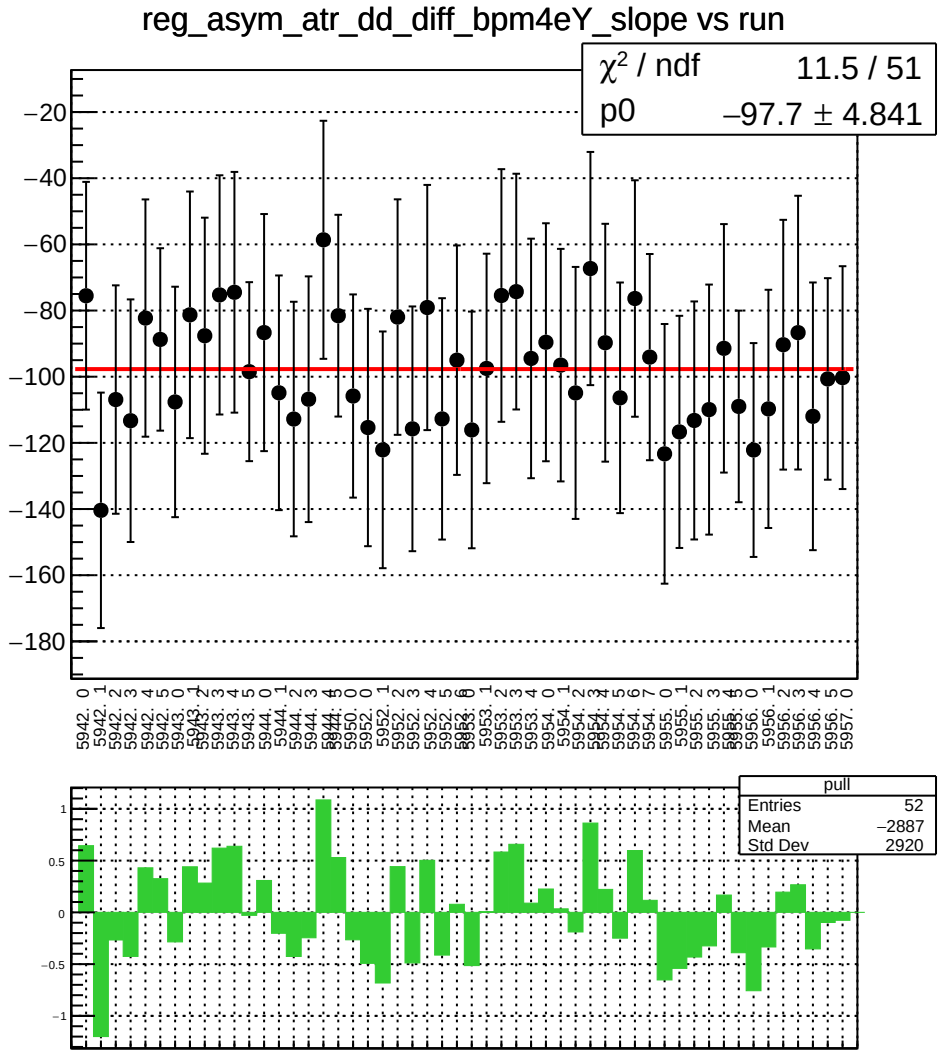

pull1D
Entries 52
Mean −0.02067
Std Dev 0.6466

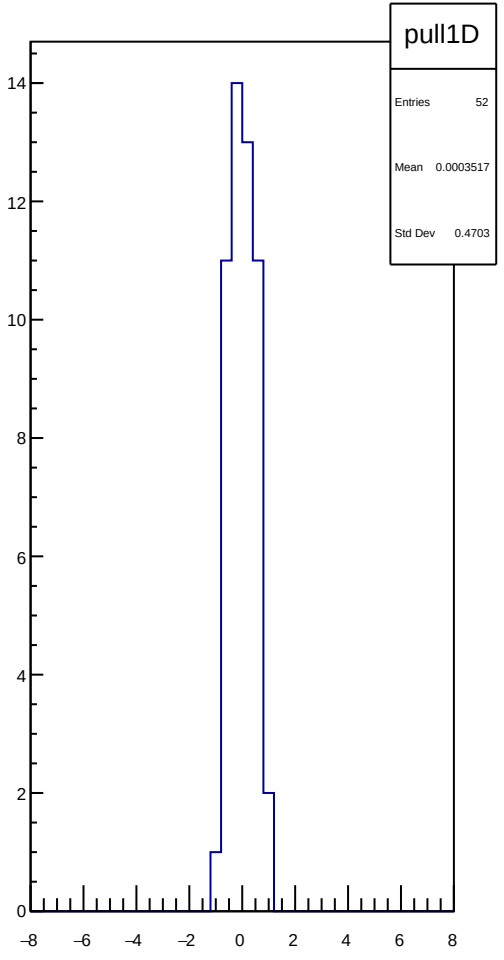

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.181 / 51
p0 240.4 ± 10.01
pull
Entries 52
Mean 7765
Std Dev 7745
pull1D
Entries 52
Mean −0.0001609
Std Dev 0.4202

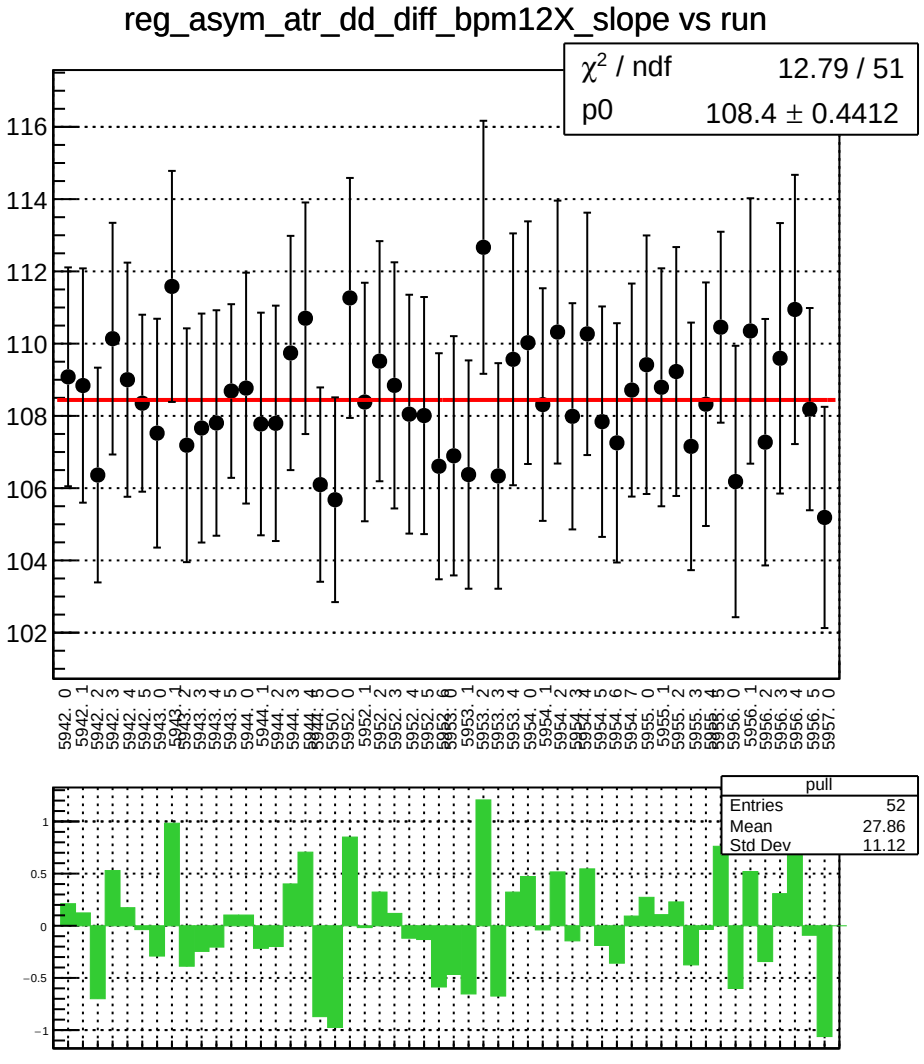

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.92 / 51
p0 22.13 ± 3.712
pull
Entries 52
Mean −6071
Std Dev 6105

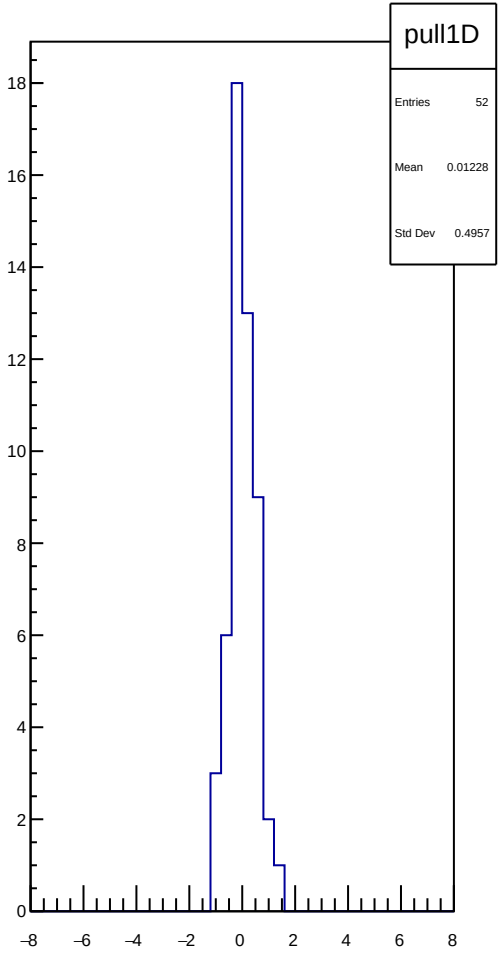

pull1D
Entries 52
Mean −0.0001866
Std Dev 0.4583

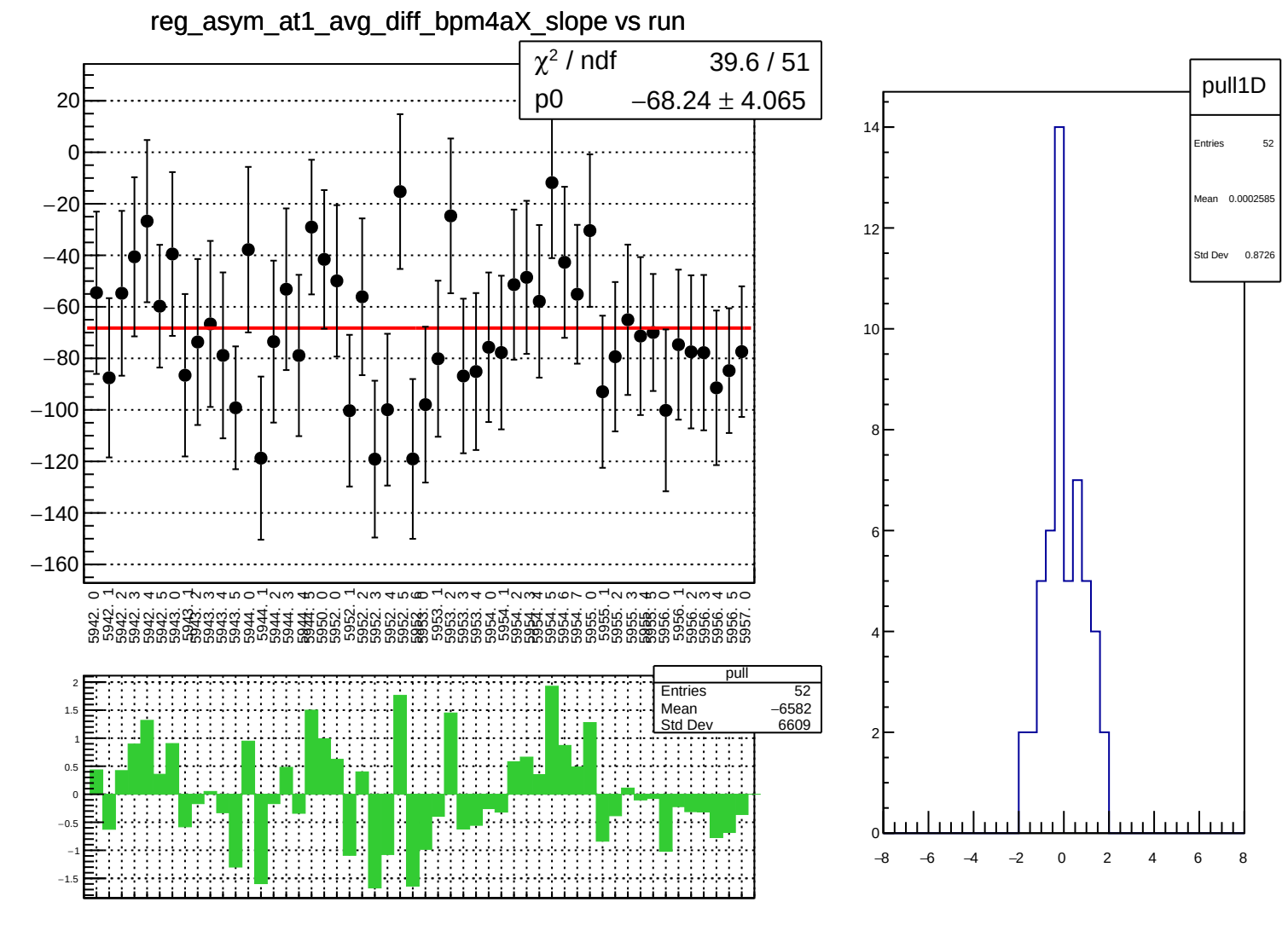

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.414 / 51
p0 −352.2 ± 10.62
pull
Entries 52
Mean 3424
Std Dev 3404
pull1D
Entries 52
Mean 0.0003781
Std Dev 0.4255

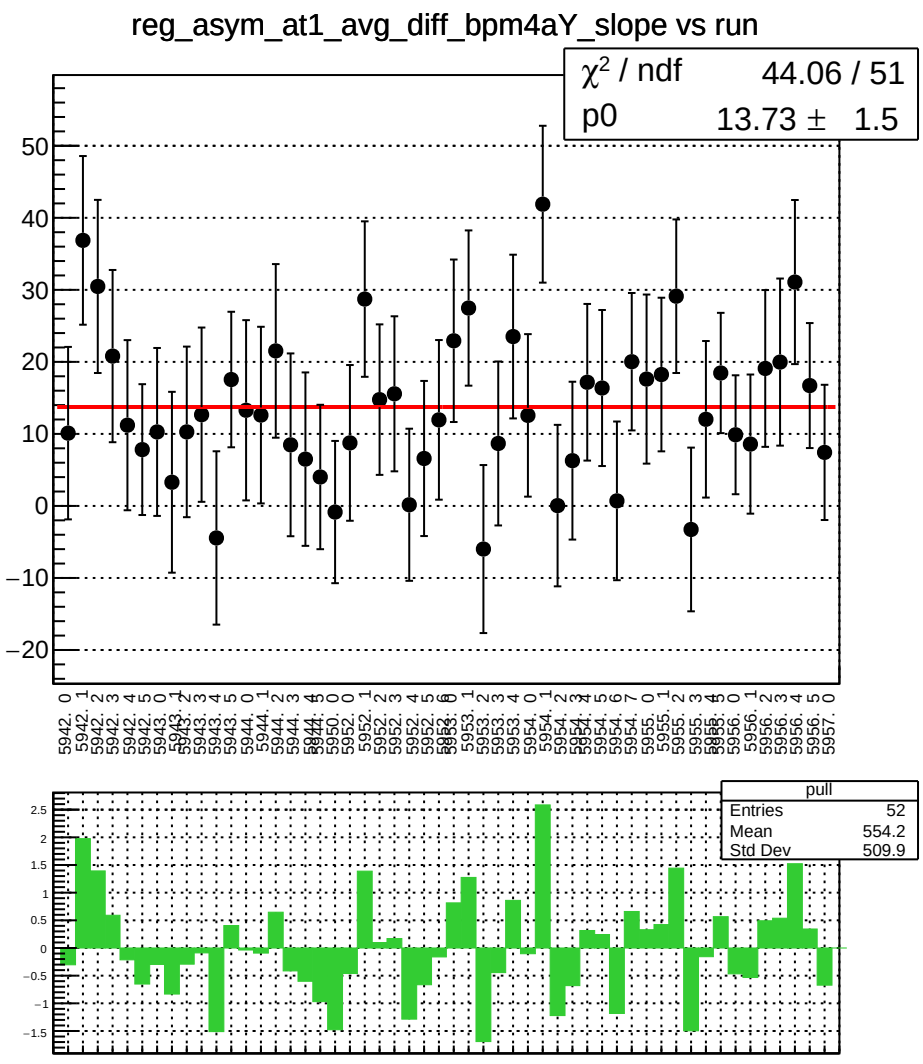

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.5 / 51
p0 −97.7 ± 4.841
pull
Entries 52
Mean −2887
Std Dev 2920

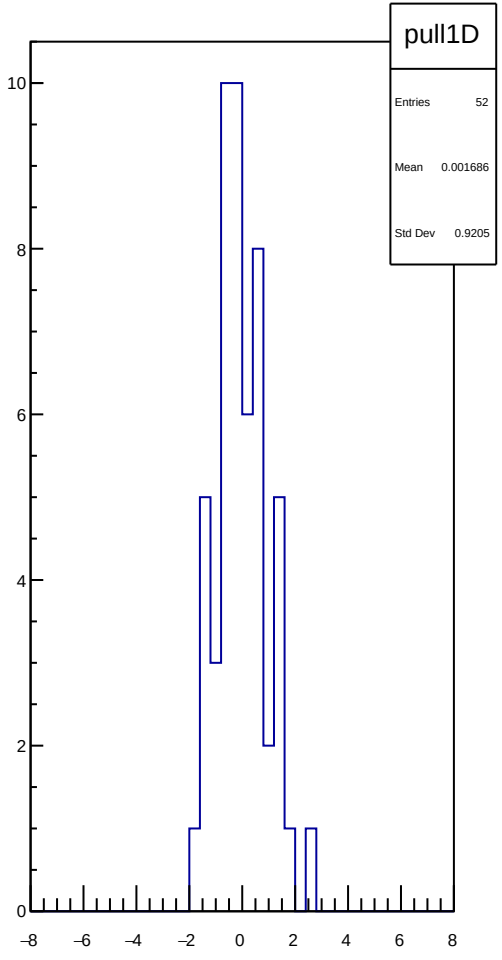

pull1D
Entries 52
Mean 0.0003517
Std Dev 0.4703

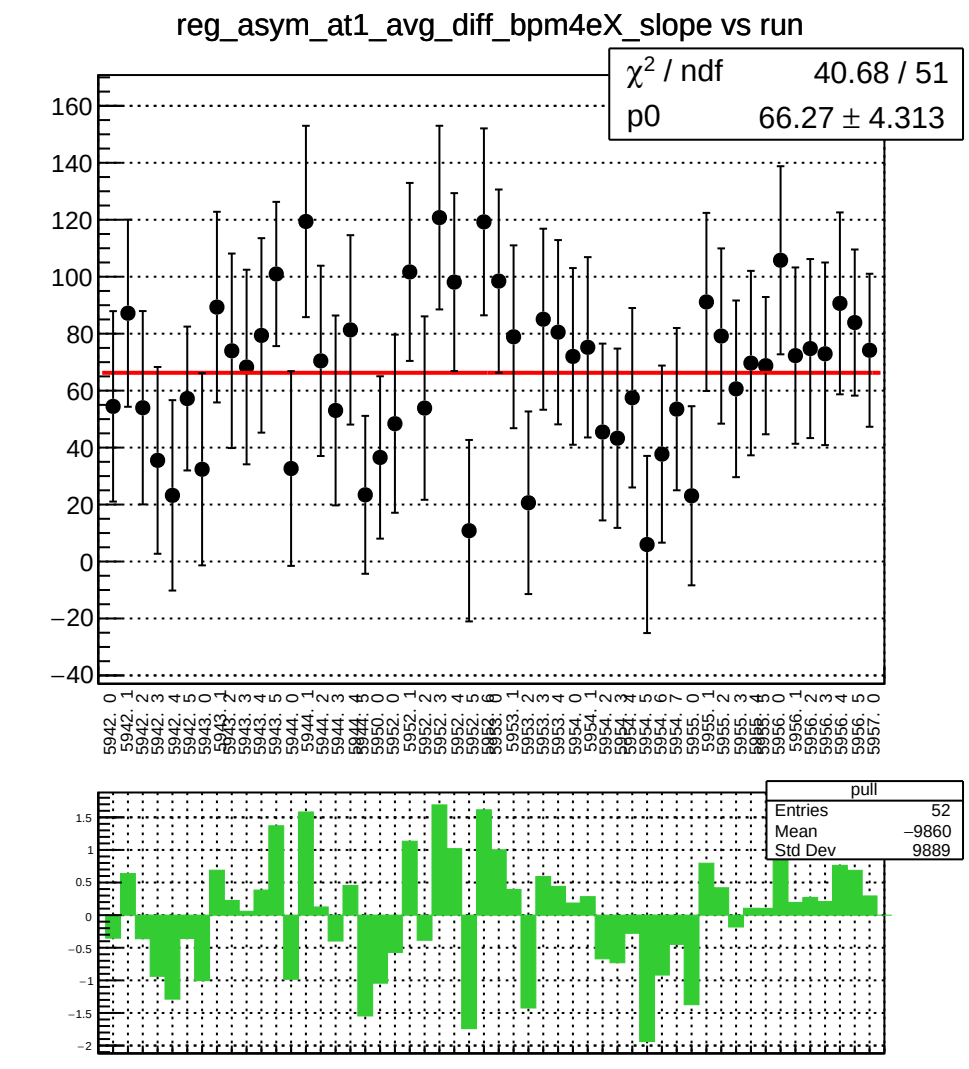

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 12.79 / 51
p0 108.4 ± 0.4412
pull
Entries 52
Mean 27.86
Std Dev 11.12

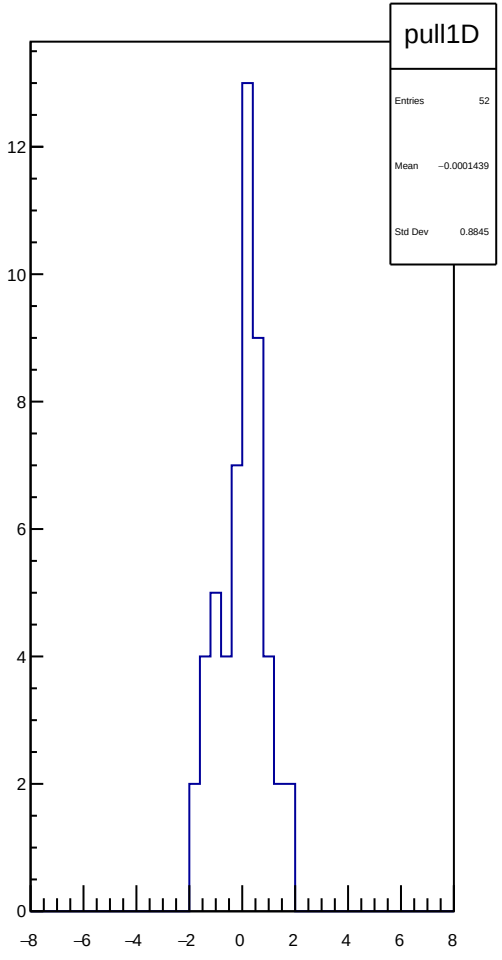

pull1D
Entries 52
Mean 0.01228
Std Dev 0.4957

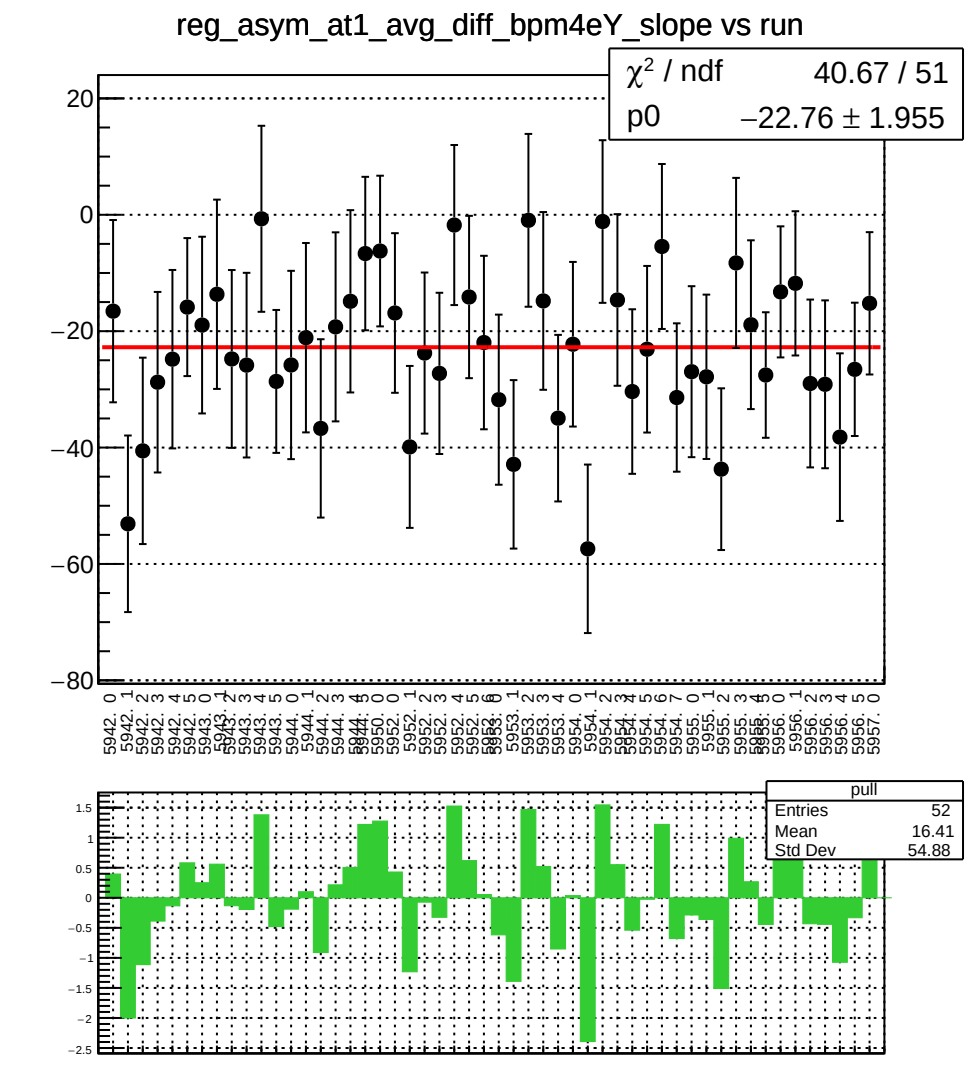

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 39.6 / 51
p0 −68.24 ± 4.065
pull
Entries 52
Mean −6582
Std Dev 6609
pull1D
Entries 52
Mean 0.0002585
Std Dev 0.8726

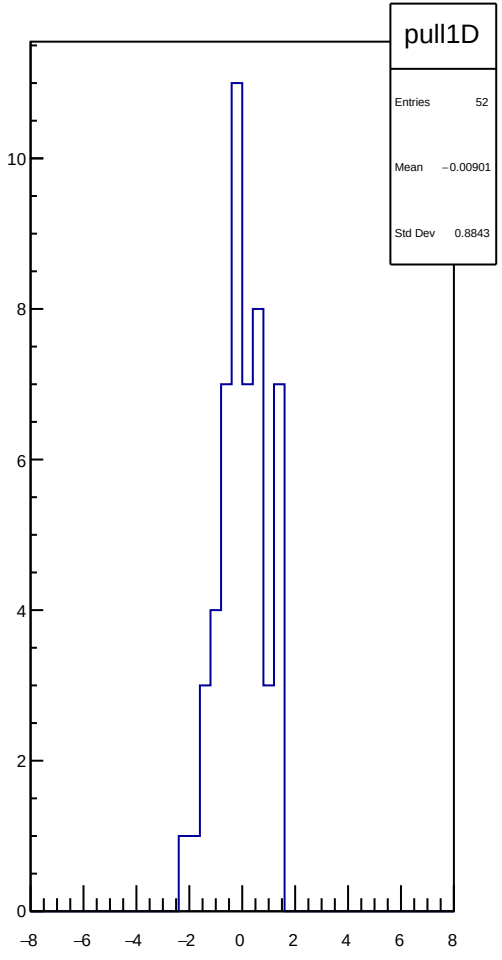

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.06 / 51
p0 13.73 ± 1.5
pull
Entries 52
Mean 554.2
Std Dev 509.9

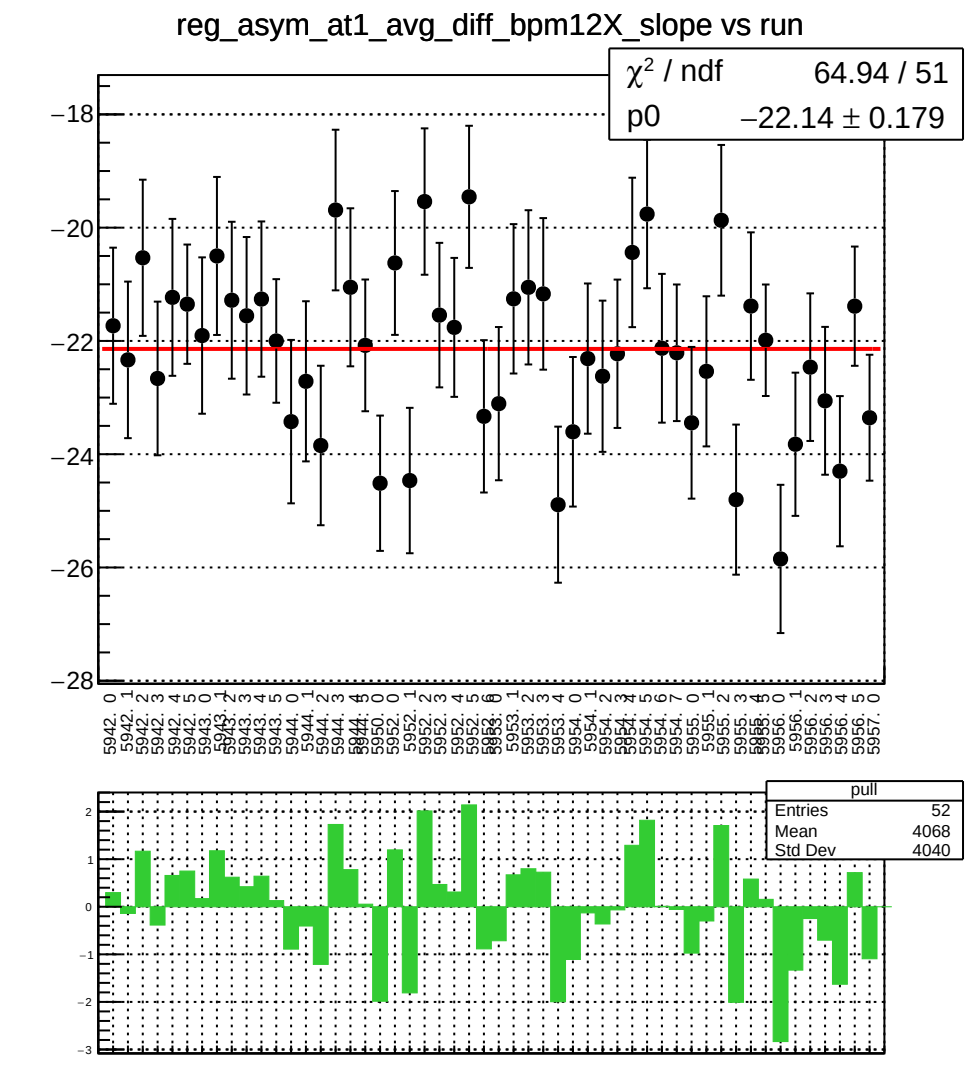

pull1D
Entries 52
Mean 0.001686
Std Dev 0.9205

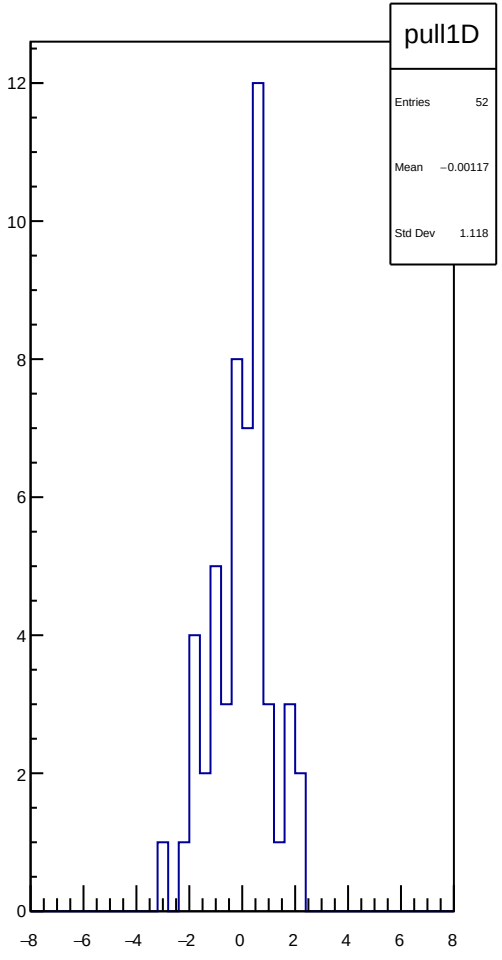

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.68 / 51
p0 66.27 ± 4.313
pull
Entries 52
Mean −9860
Std Dev 9889

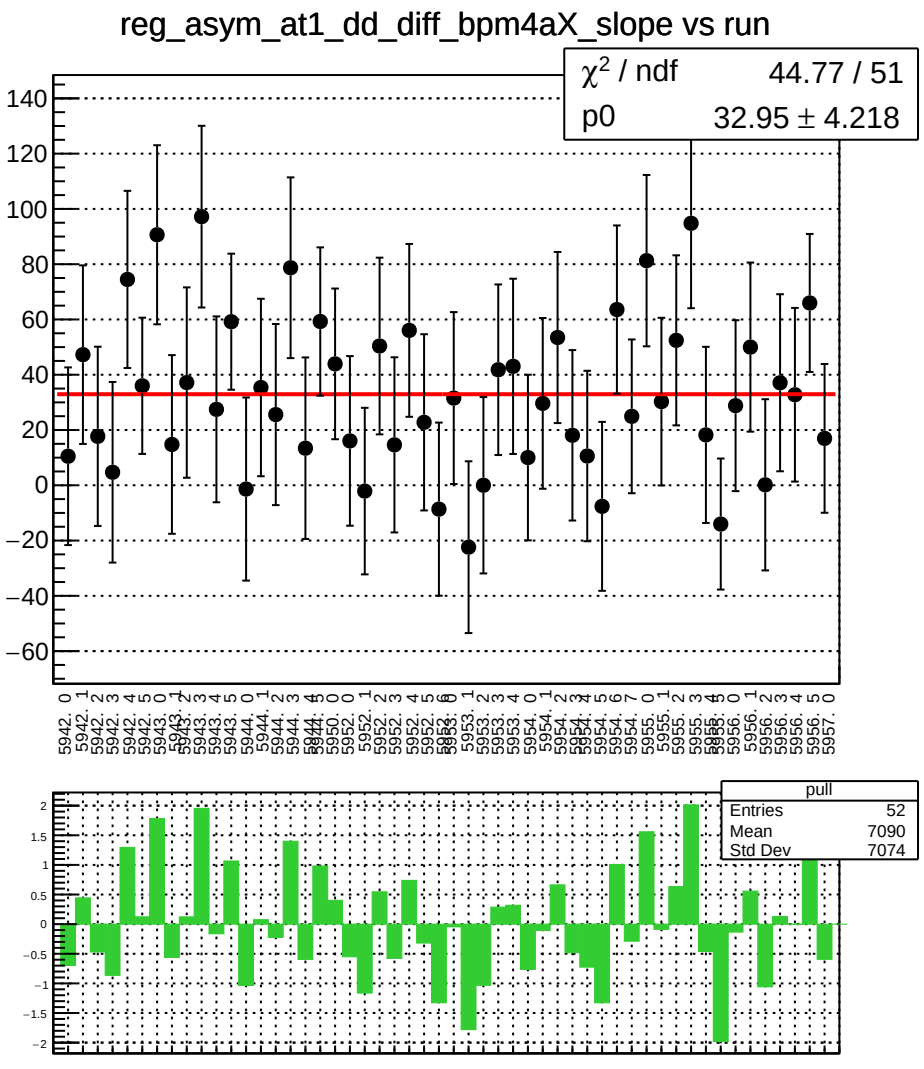

pull1D
Entries 52
Mean −0.0001439
Std Dev 0.8845

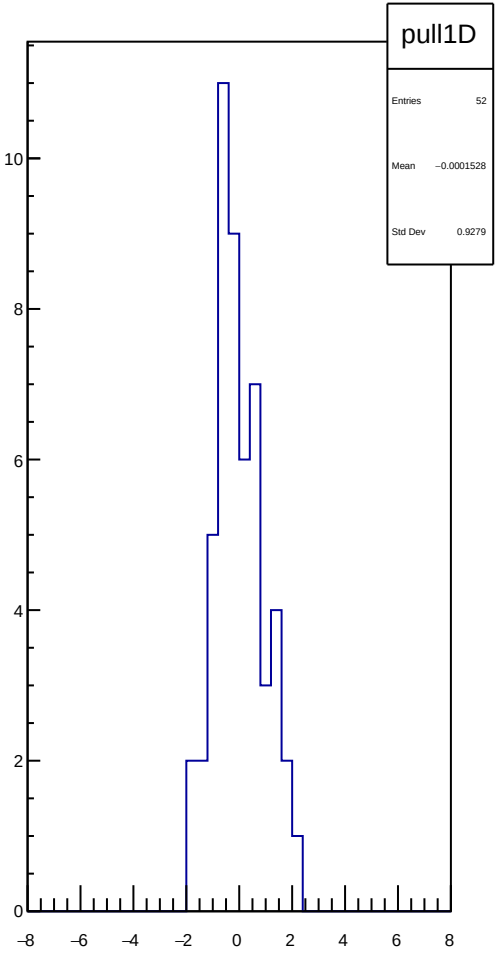

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.67 / 51
p0 −22.76 ± 1.955
pull
Entries 52
Mean 16.41
Std Dev 54.88

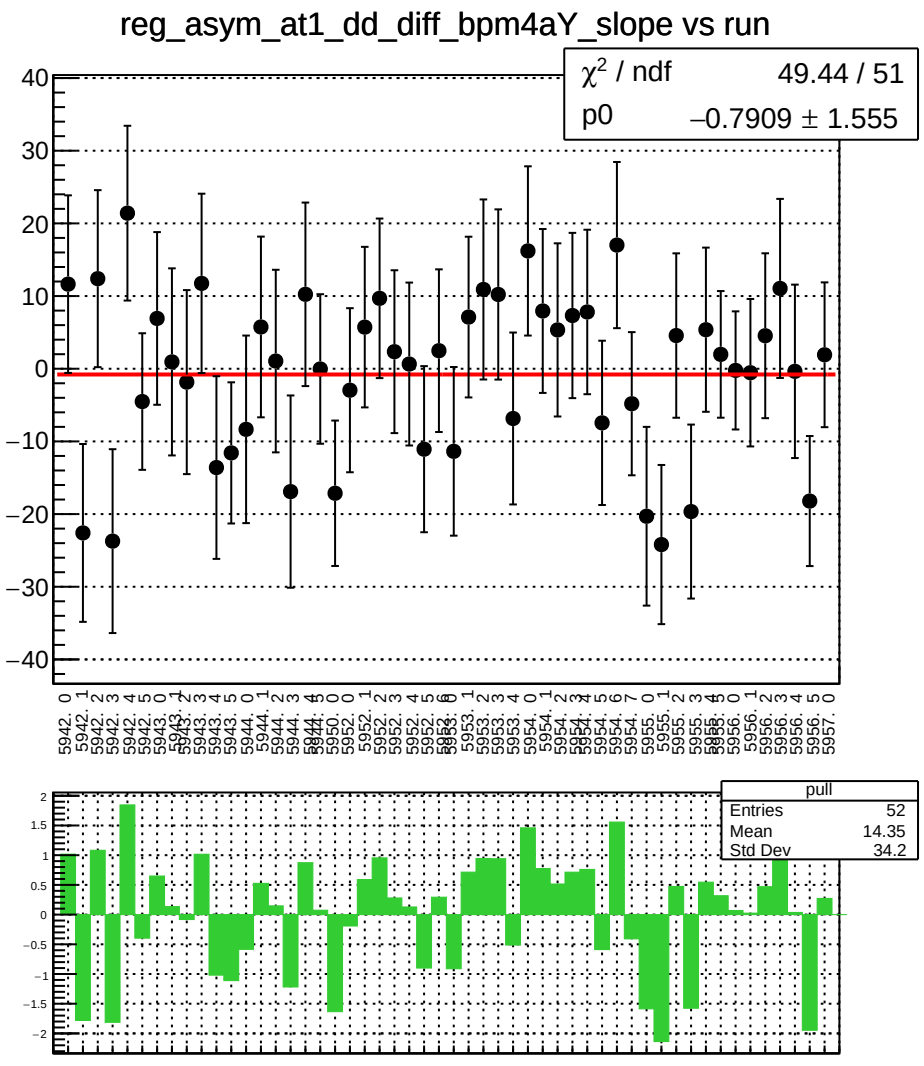

pull1D
Entries 52
Mean −0.00901
Std Dev 0.8843

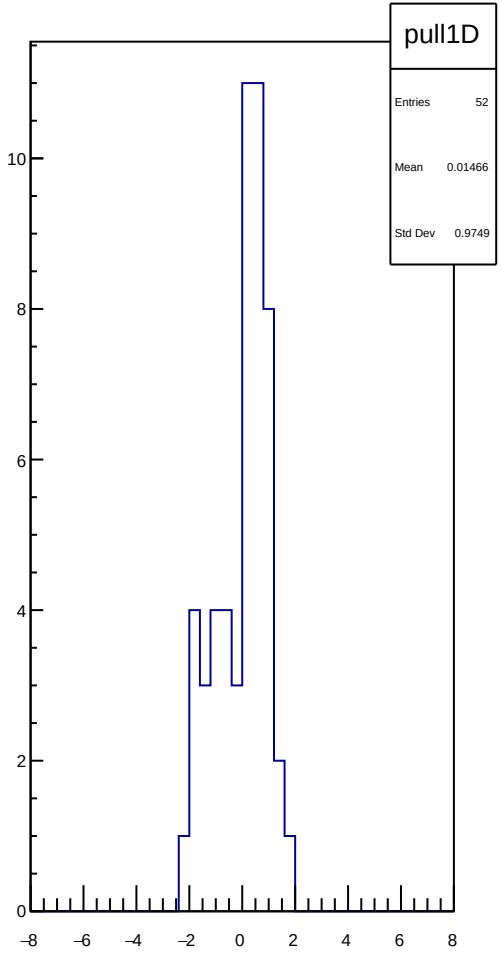

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 64.94 / 51
p0 −22.14 ± 0.179
pull
Entries 52
Mean 4068
Std Dev 4040

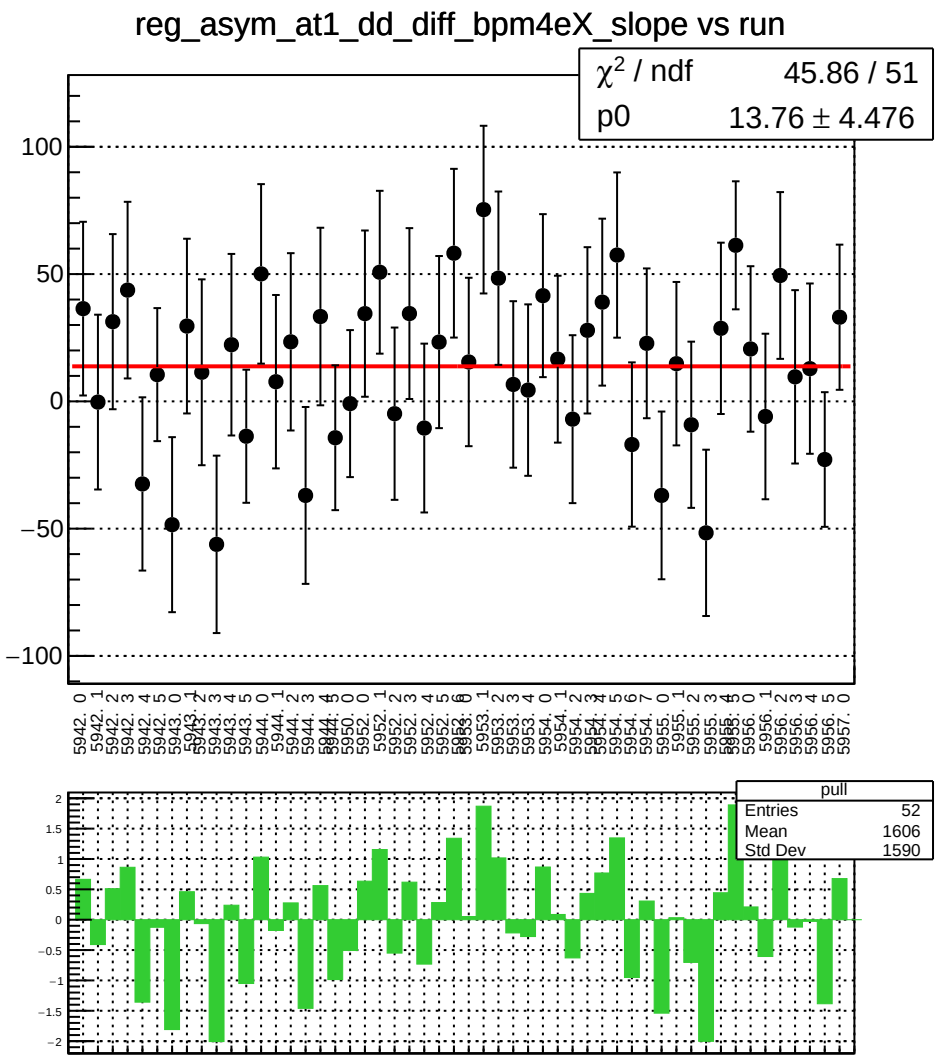

pull1D
Entries 52
Mean −0.00117
Std Dev 1.118

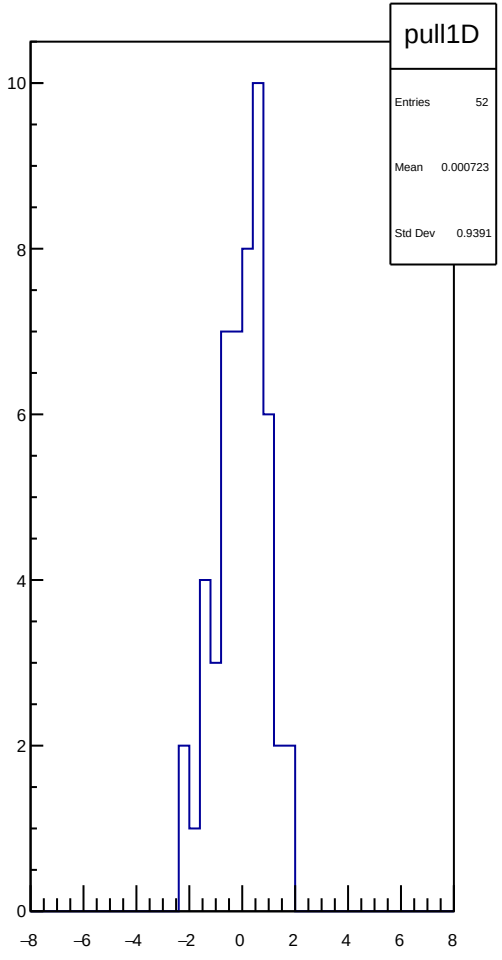

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.77 / 51
p0 32.95 ± 4.218
pull
Entries 52
Mean 7090
Std Dev 7074

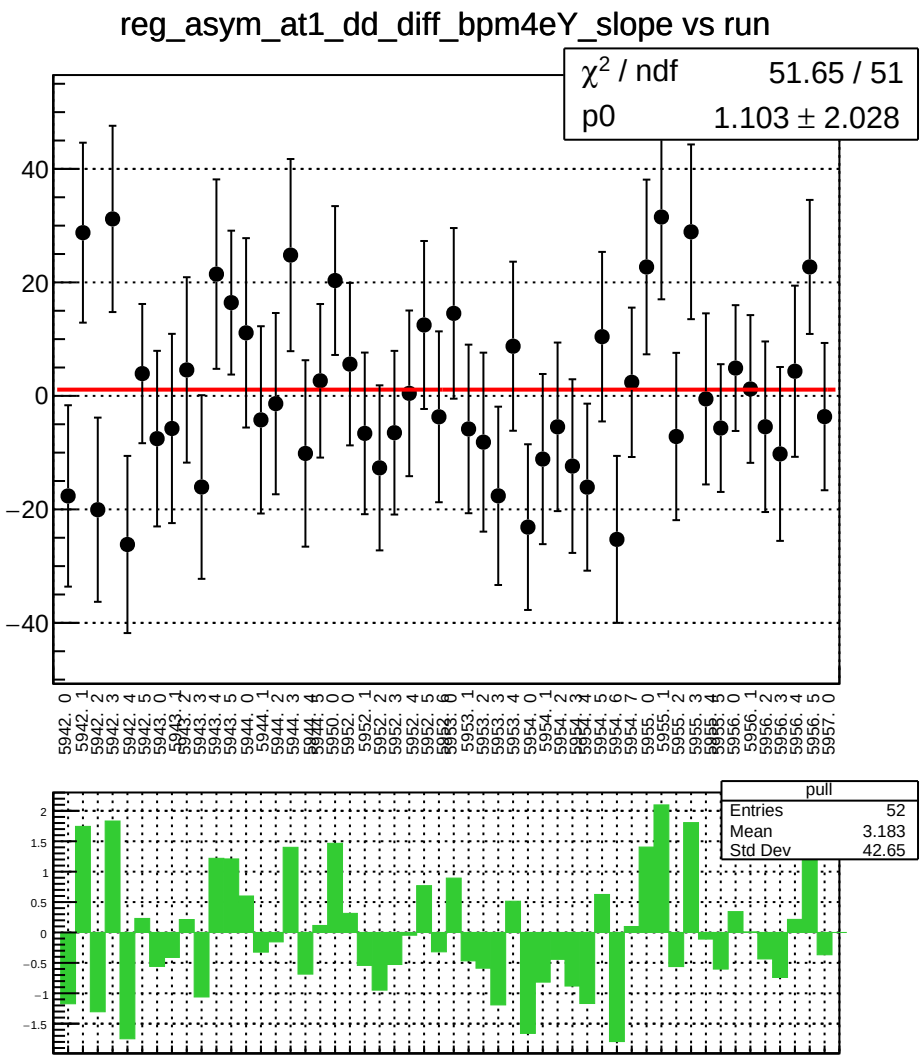

pull1D
Entries 52
Mean −0.0001528
Std Dev 0.9279

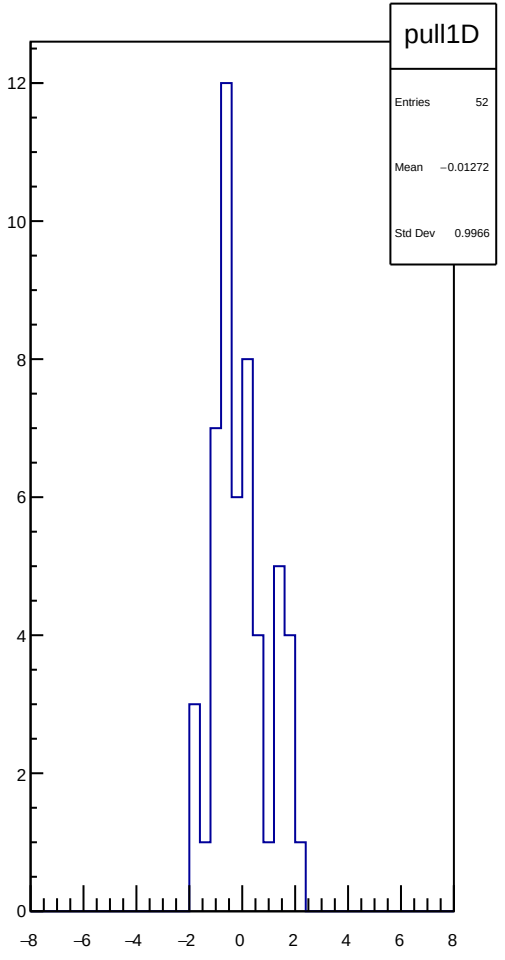

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.44 / 51
p0 −0.7909 ± 1.555
pull
Entries 52
Mean 14.35
Std Dev 34.2

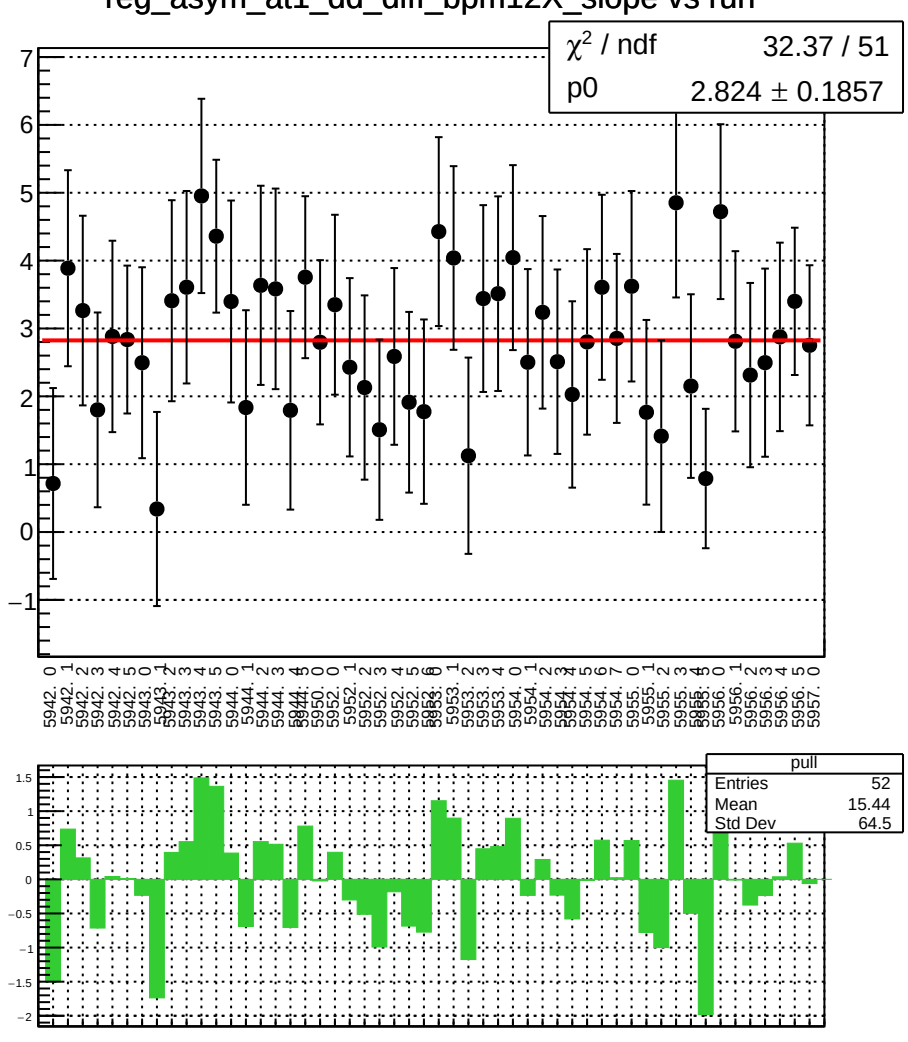

pull1D
Entries 52
Mean 0.01466
Std Dev 0.9749

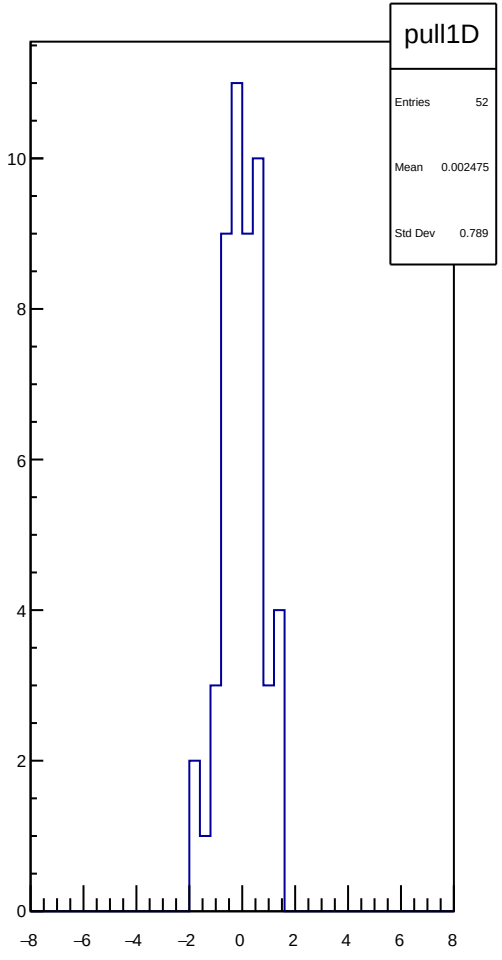

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 45.86 / 51
p0 13.76 ± 4.476
pull
Entries 52
Mean 1606
Std Dev 1590

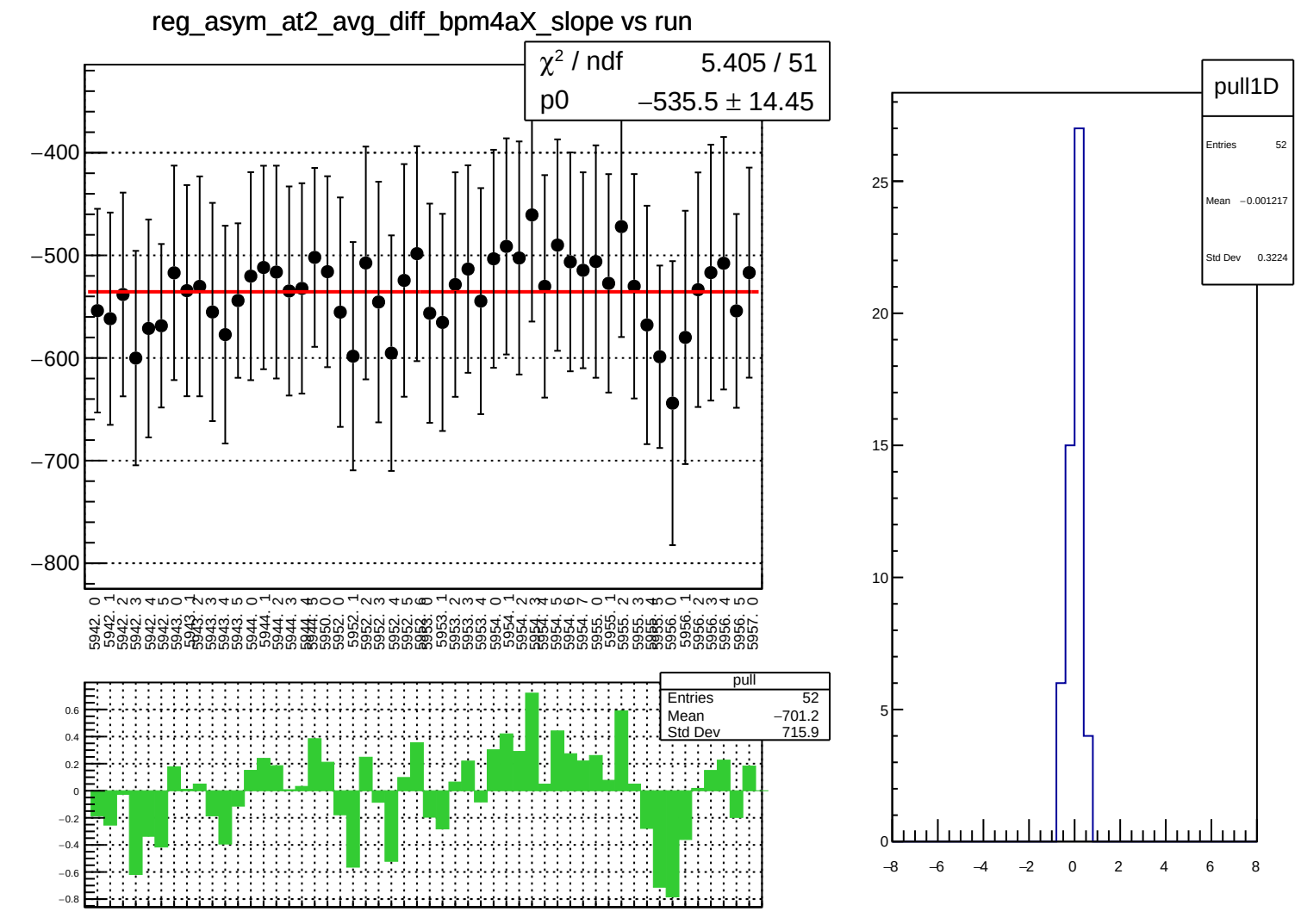

pull1D
Entries 52
Mean 0.000723
Std Dev 0.9391

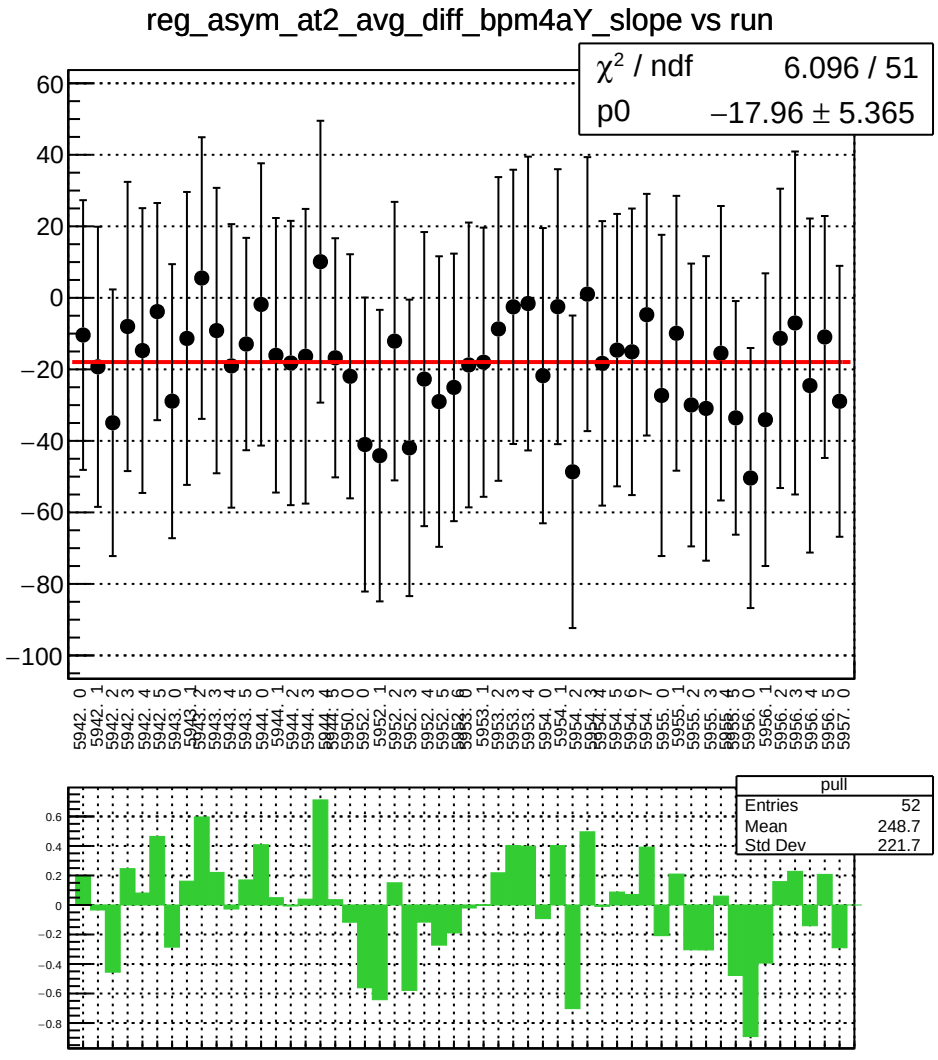

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.65 / 51
p0 1.103 ± 2.028
pull
Entries 52
Mean 3.183
Std Dev 42.65

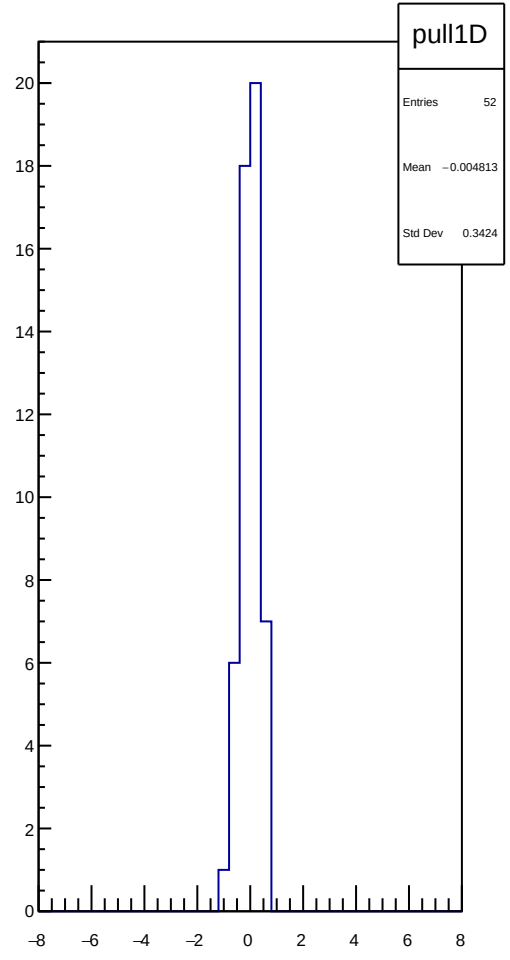

pull1D
Entries 52
Mean −0.01272
Std Dev 0.9966

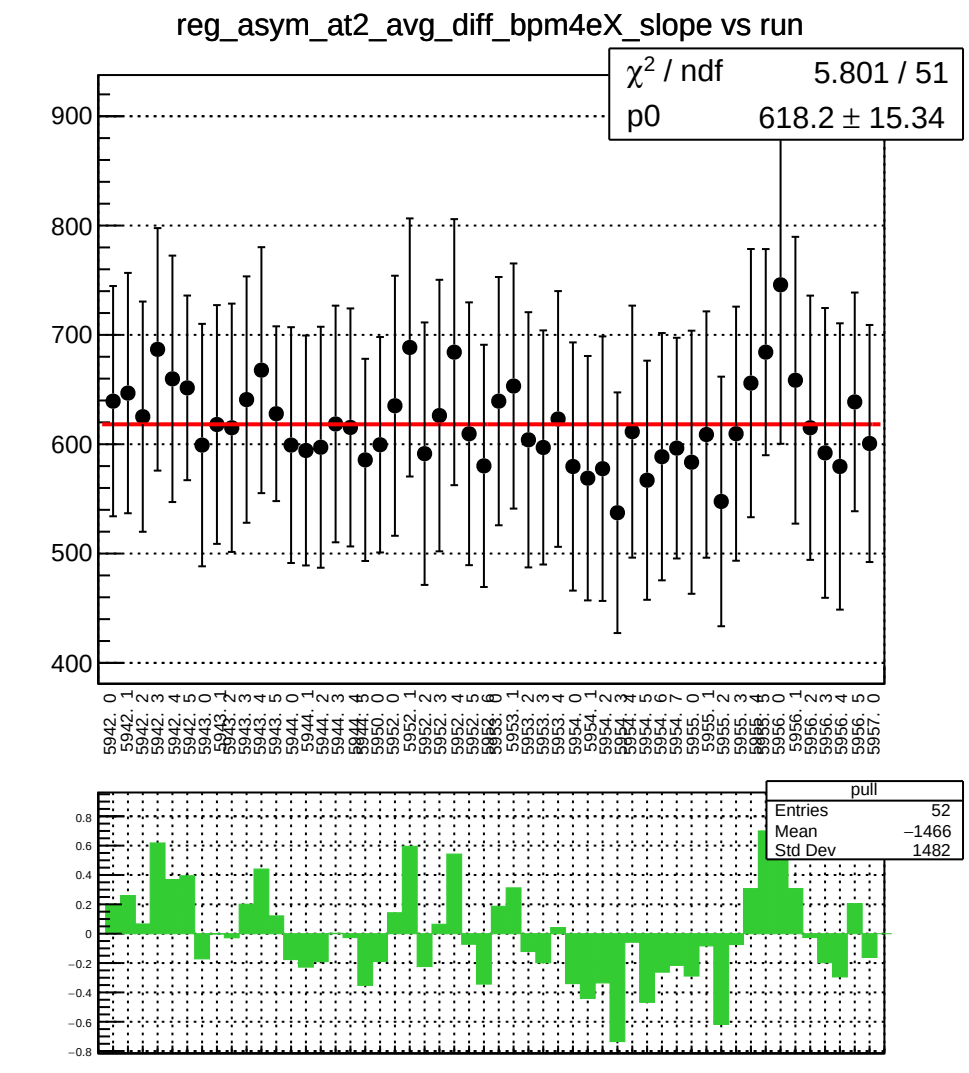

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 32.37 / 51
p0 2.824 ± 0.1857
pull
Entries 52
Mean 15.44
Std Dev 64.5

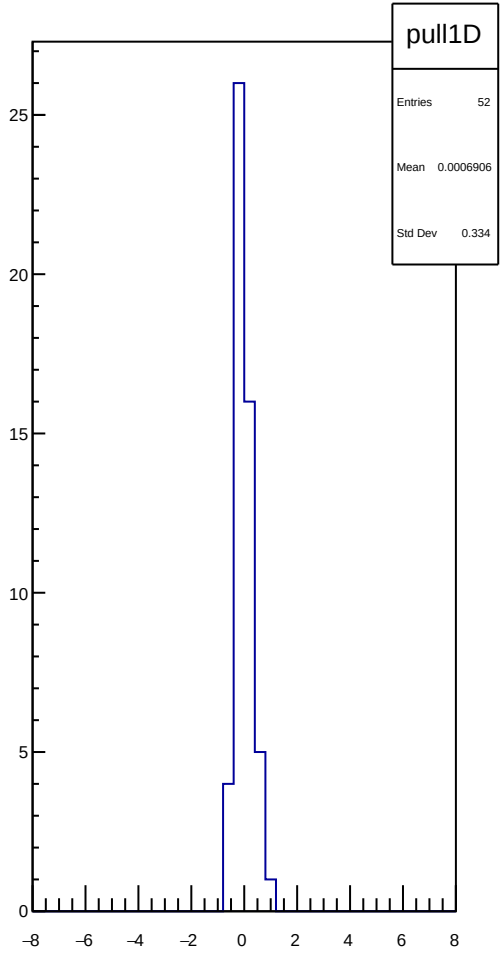

pull1D
Entries 52
Mean 0.002475
Std Dev 0.789

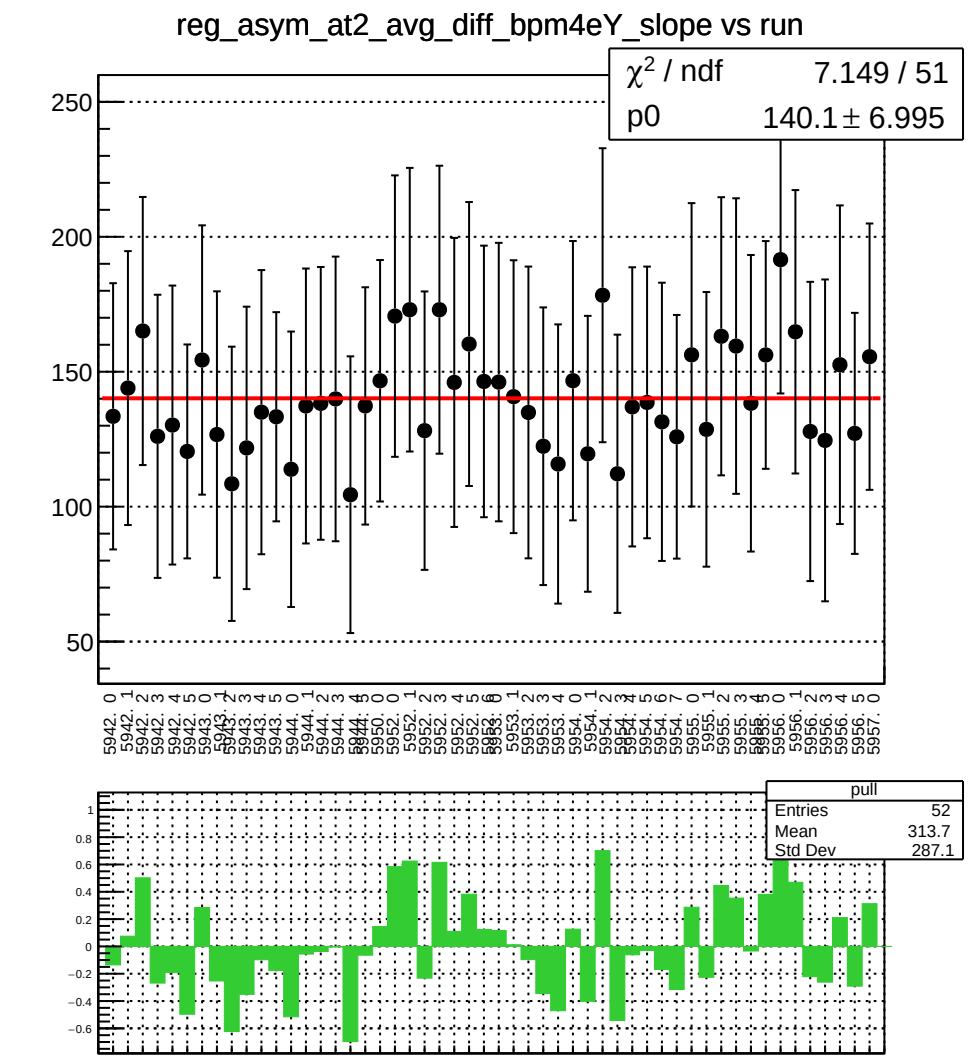

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.405 / 51
p0 −535.5 ± 14.45
−400
−500
−600
−700
−800
pull
Entries 52
Mean −701.2
Std Dev 715.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 52
Mean −0.001217
Std Dev 0.3224
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

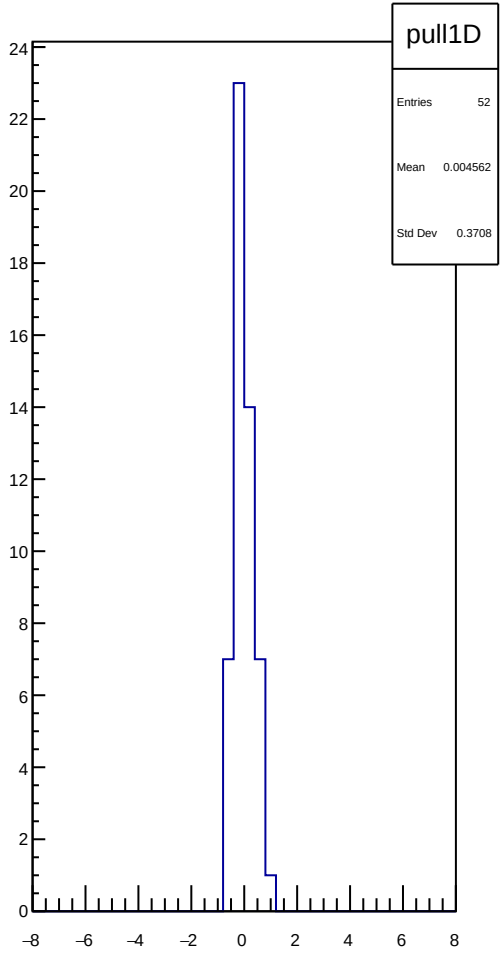

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.096 / 51
p0 −17.96 ± 5.365
pull
Entries 52
Mean 248.7
Std Dev 221.7

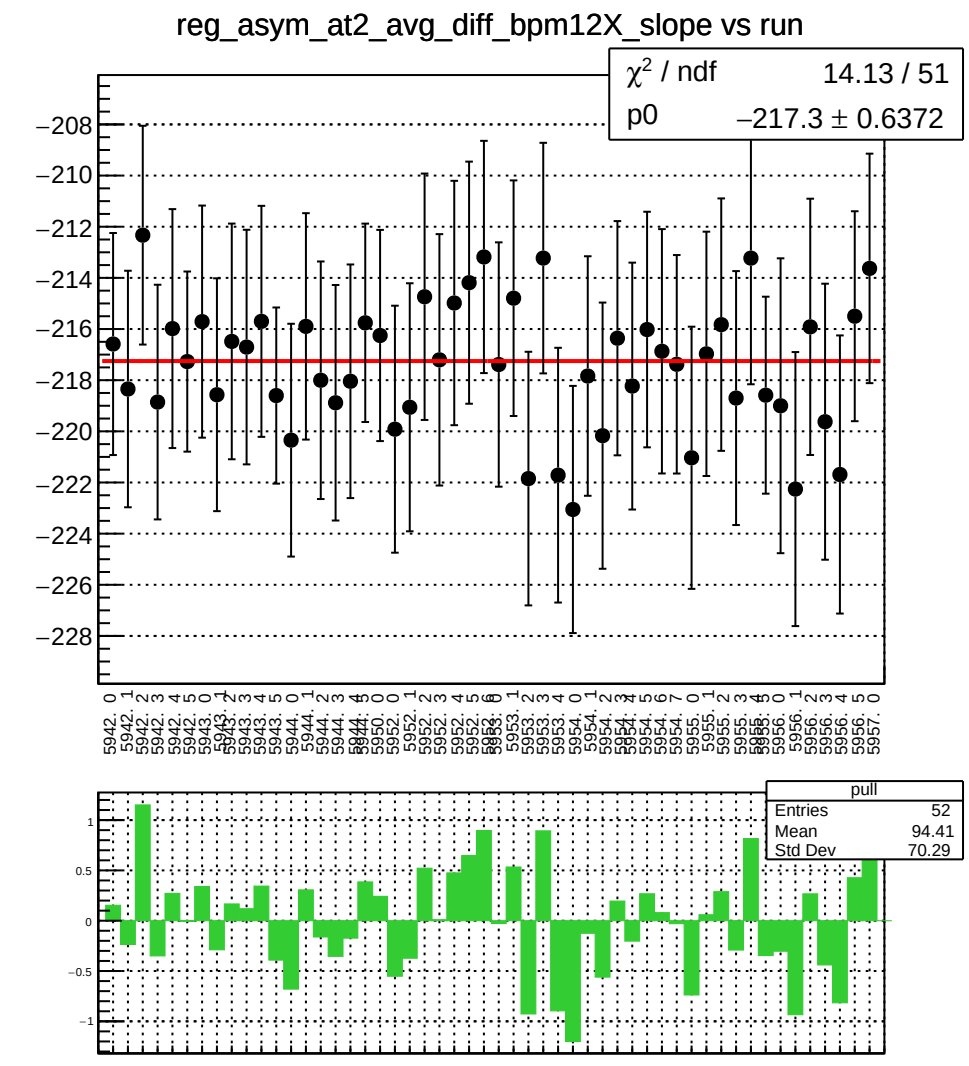

pull1D
Entries 52
Mean −0.004813
Std Dev 0.3424

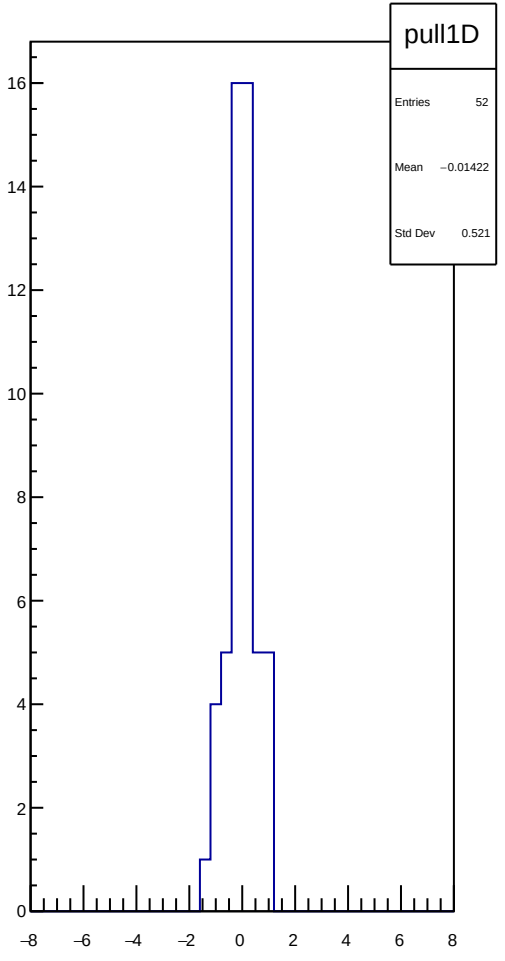

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 5.801 / 51
p0 618.2 ± 15.34
900
800
700
600
500
400
pull
Entries 52
Mean −1466
Std Dev 1482
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

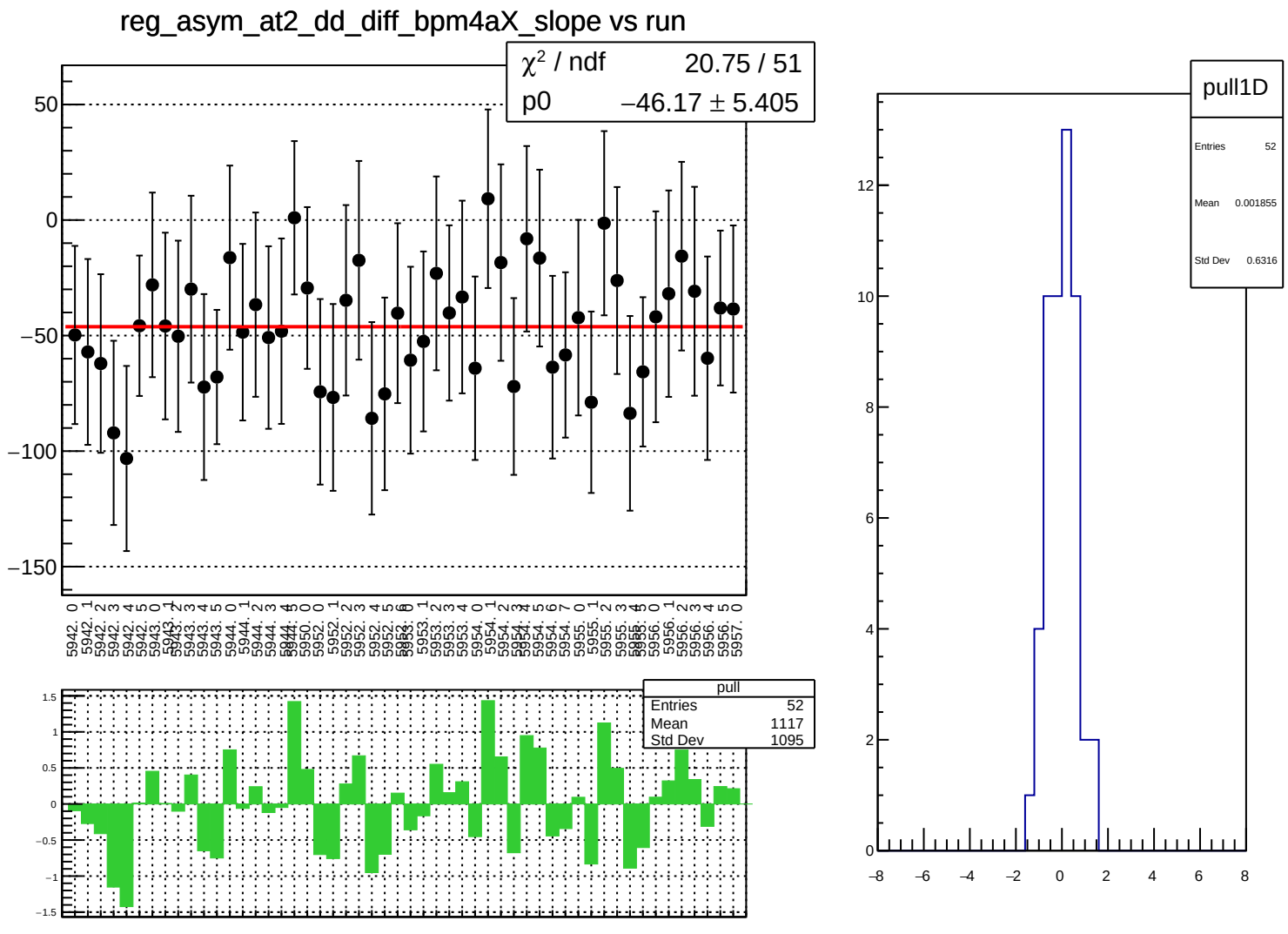

pull1D
Entries 52
Mean 0.0006906
Std Dev 0.334
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

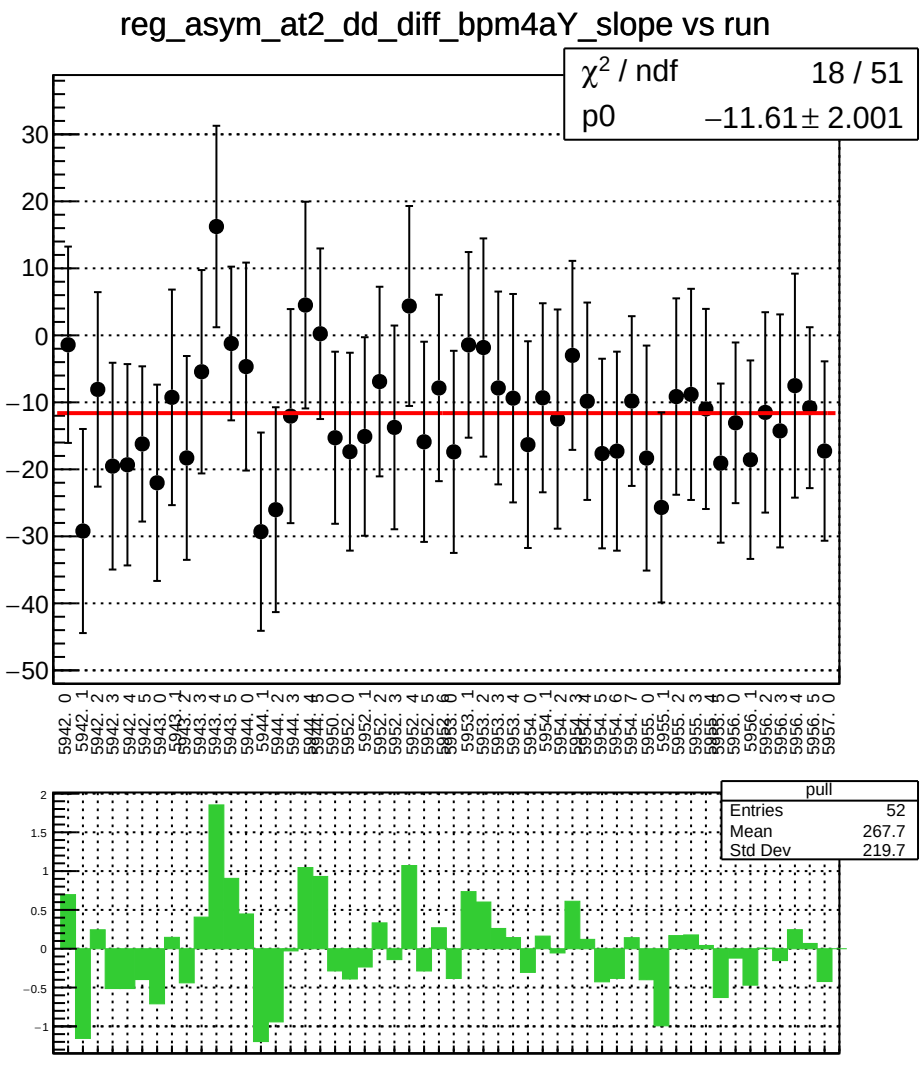

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.149 / 51
p0 140.1 ± 6.995
250
200
150
100
50
pull
Entries 52
Mean 313.7
Std Dev 287.1
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

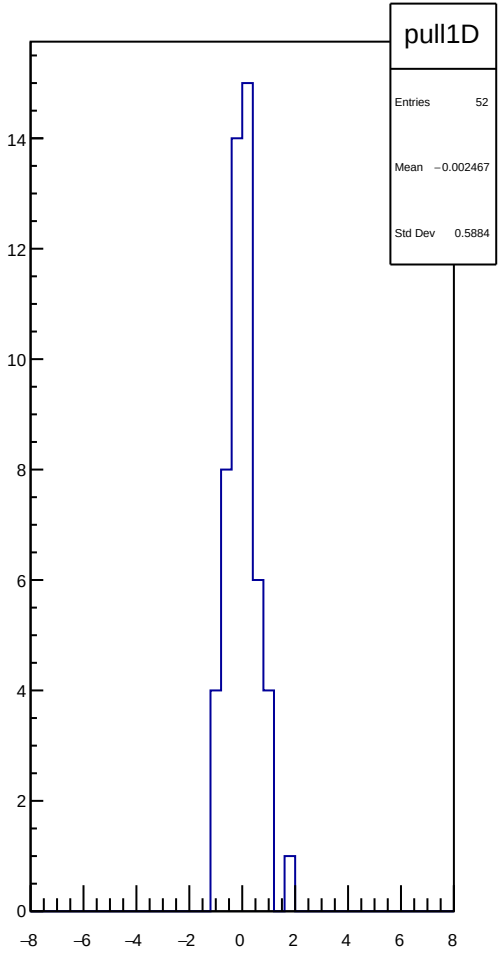

pull1D
Entries 52
Mean 0.004562
Std Dev 0.3708
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

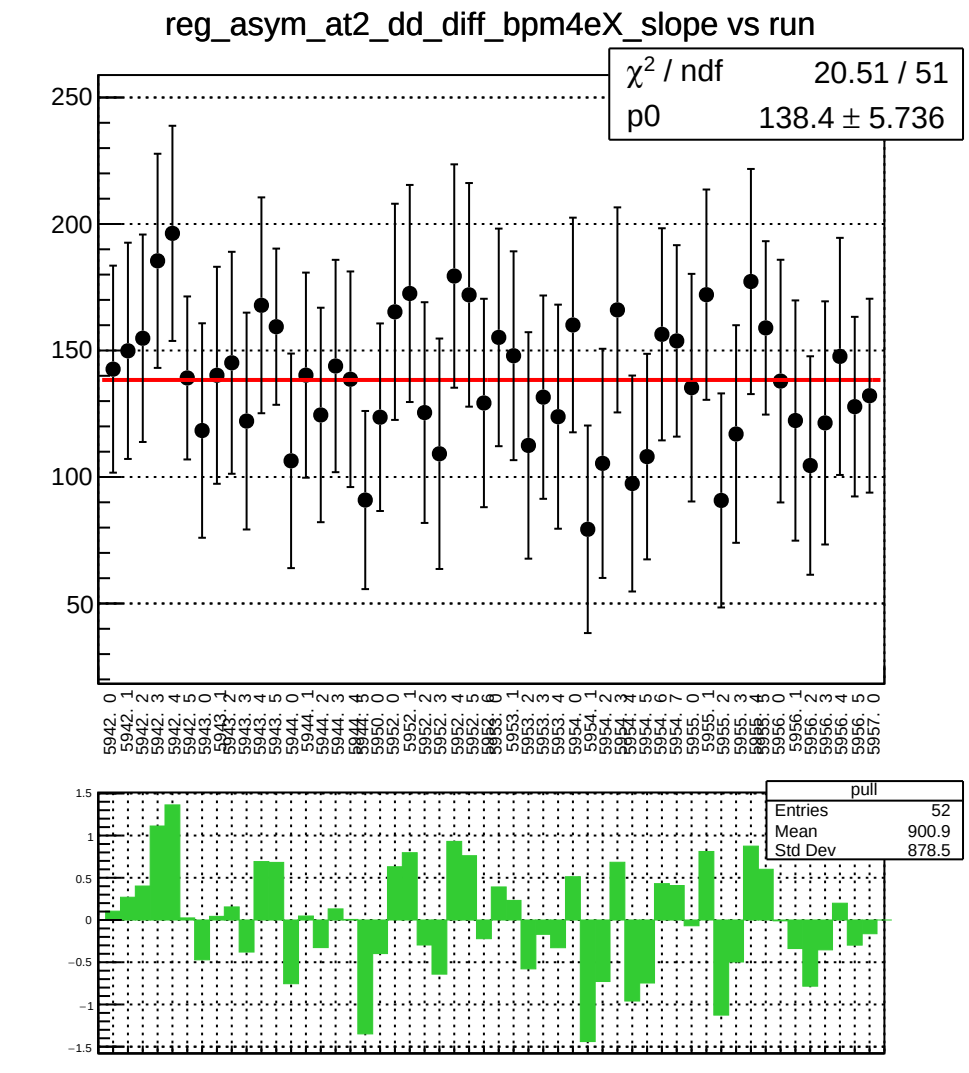

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.13 / 51
p0 −217.3 ± 0.6372
pull
Entries 52
Mean 94.41
Std Dev 70.29

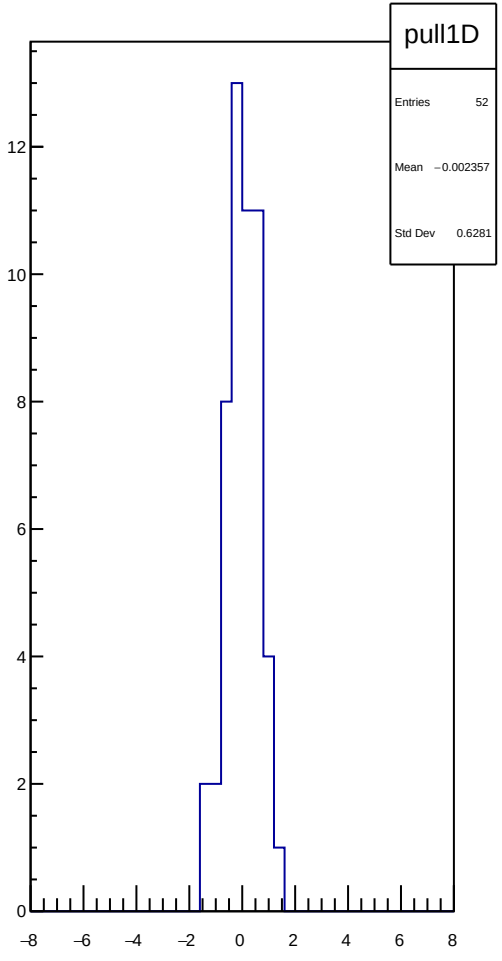

pull1D
Entries 52
Mean −0.01422
Std Dev 0.521

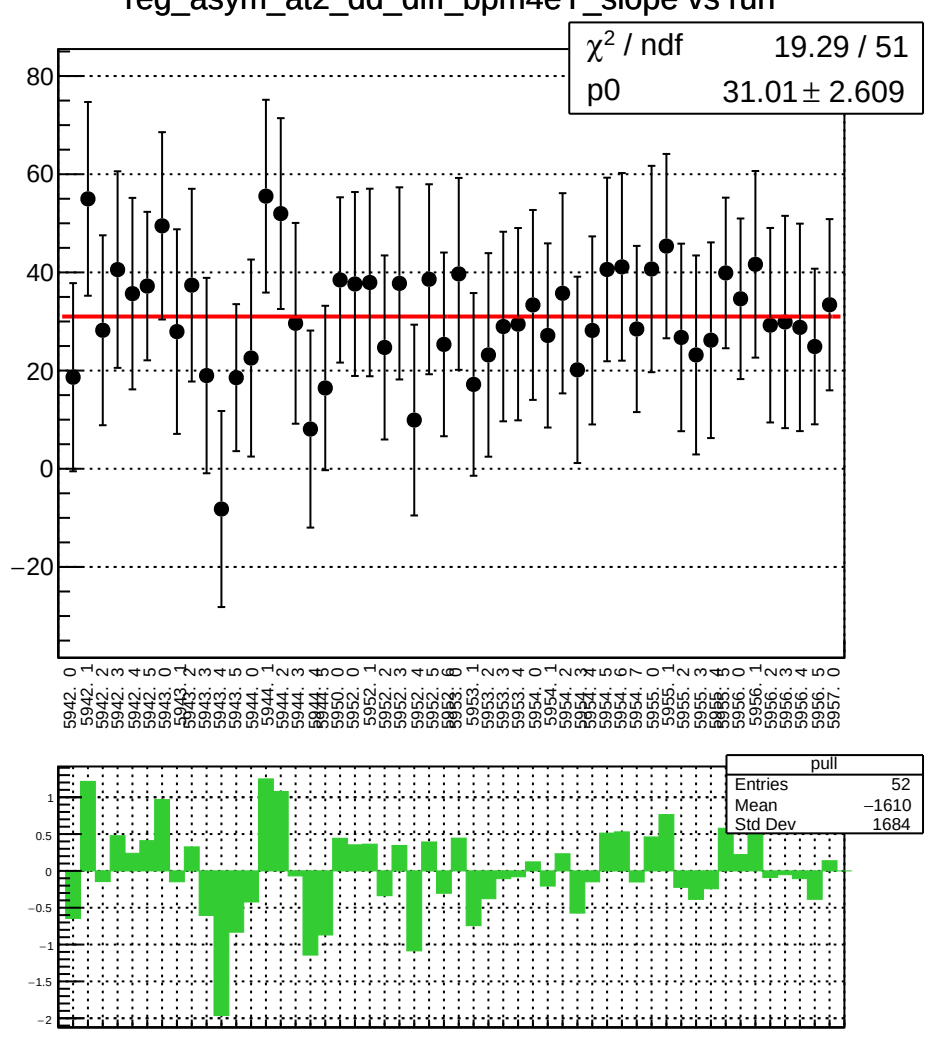

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 20.75 / 51
p0 −46.17 ± 5.405
pull
Entries 52
Mean 1117
Std Dev 1095
pull1D
Entries 52
Mean 0.001855
Std Dev 0.6316

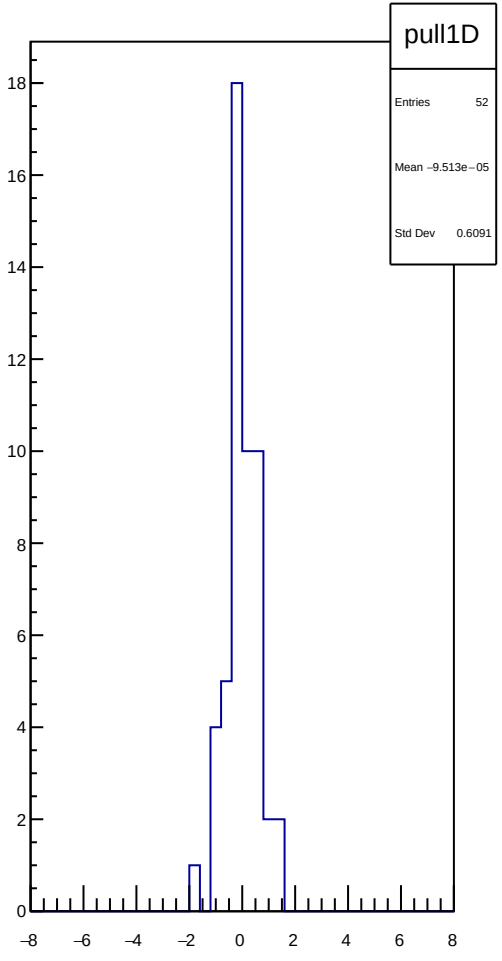

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18 / 51
p0 −11.61 ± 2.001
pull
Entries 52
Mean 267.7
Std Dev 219.7

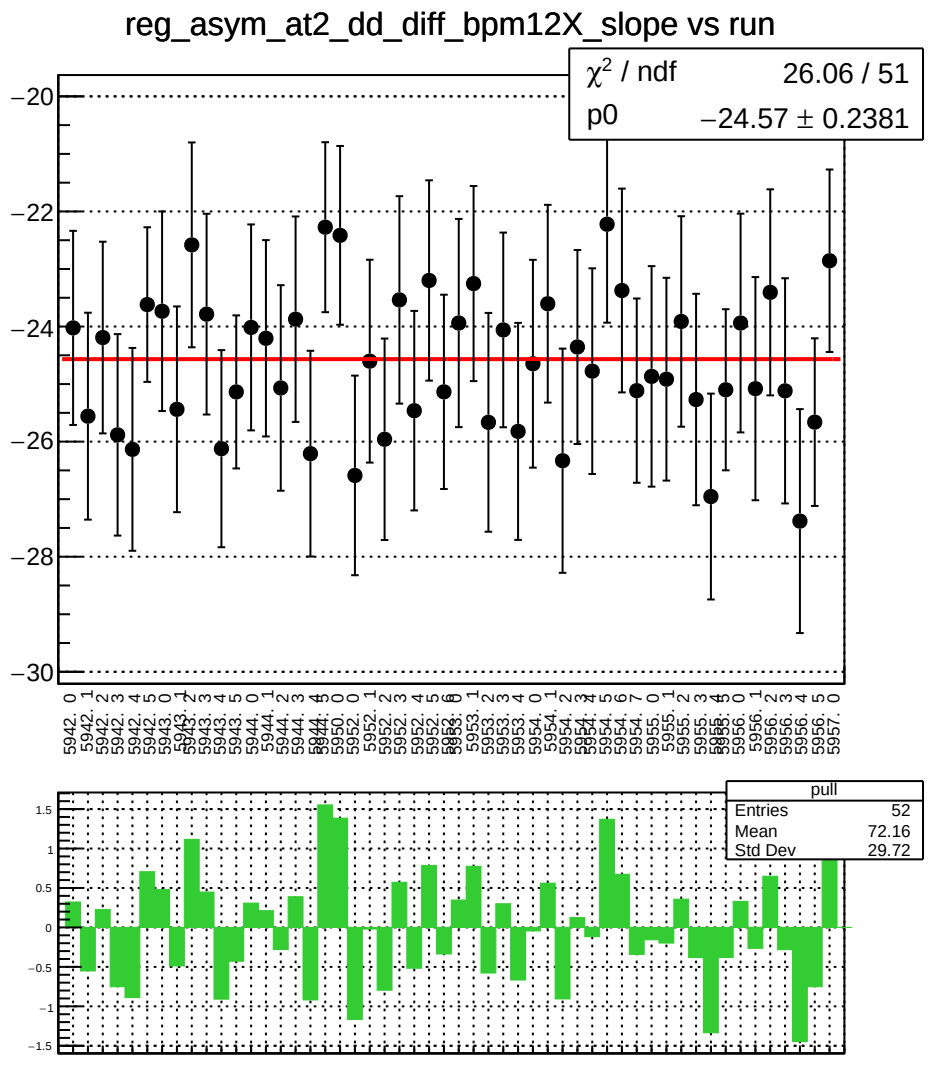

pull1D
Entries 52
Mean −0.002467
Std Dev 0.5884

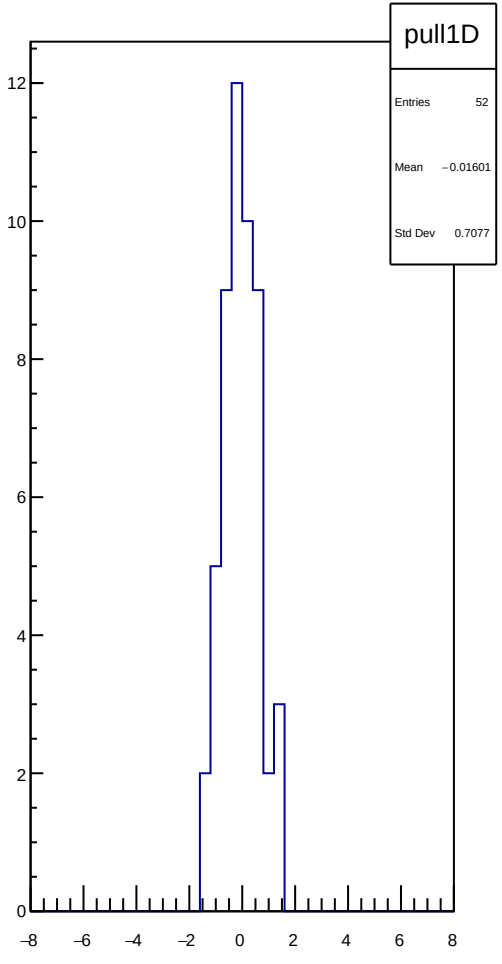

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.51 / 51
p0 138.4 ± 5.736
250
200
150
100
50
pull
Entries 52
Mean 900.9
Std Dev 878.5
1.5
1
0.5
0
−0.5
−1
−1.5

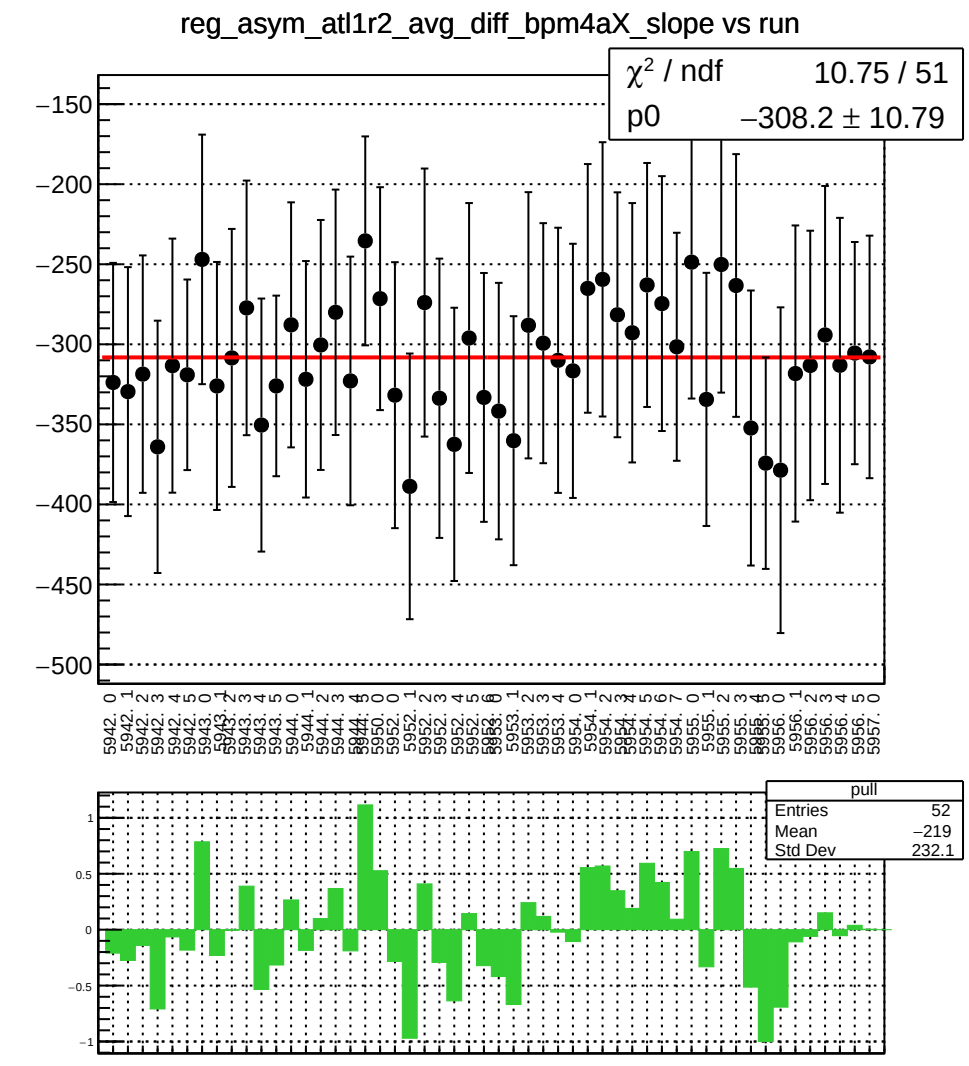

pull1D
Entries 52
Mean −0.002357
Std Dev 0.6281
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

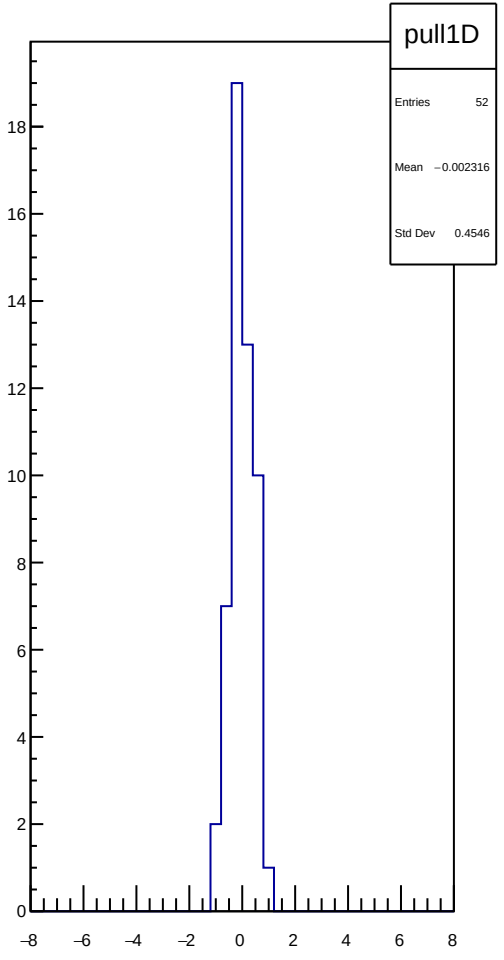

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.29 / 51
p0 31.01 ± 2.609
pull
Entries 52
Mean −1610
Std Dev 1684

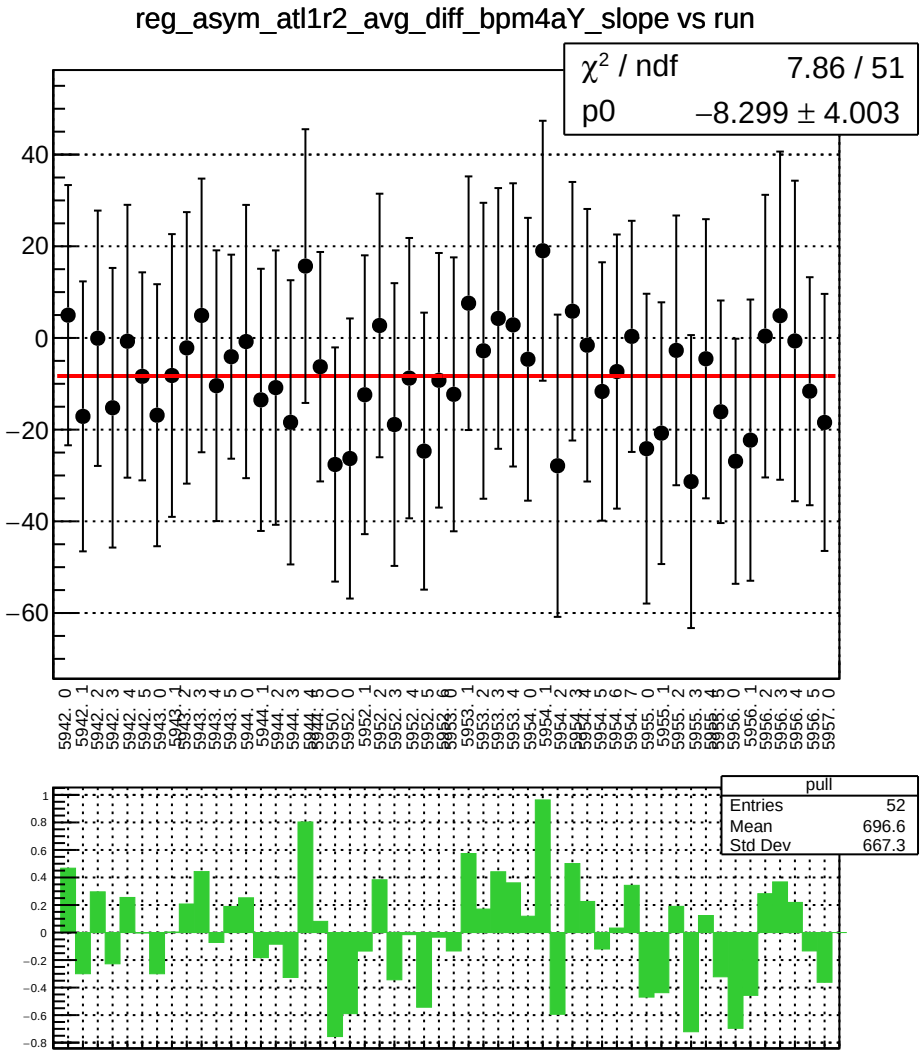

pull1D
Entries 52
Mean −9.513e−05
Std Dev 0.6091

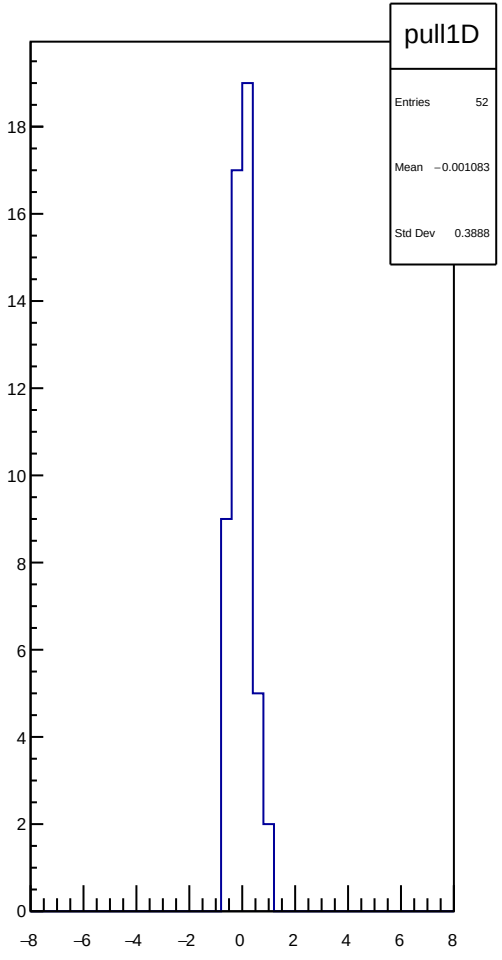

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 26.06 / 51
p0 −24.57 ± 0.2381
pull
Entries 52
Mean 72.16
Std Dev 29.72

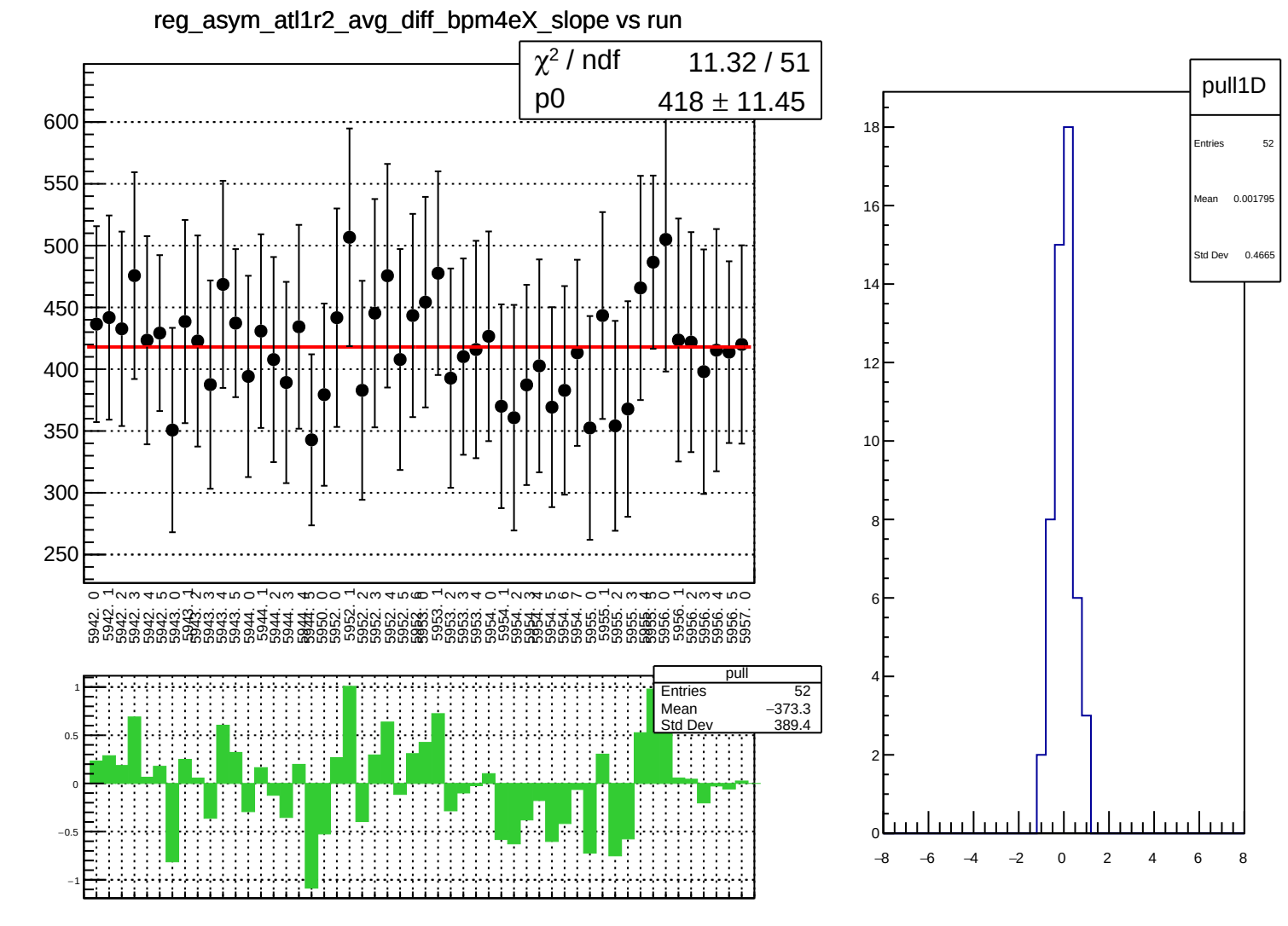

pull1D
Entries 52
Mean −0.01601
Std Dev 0.7077

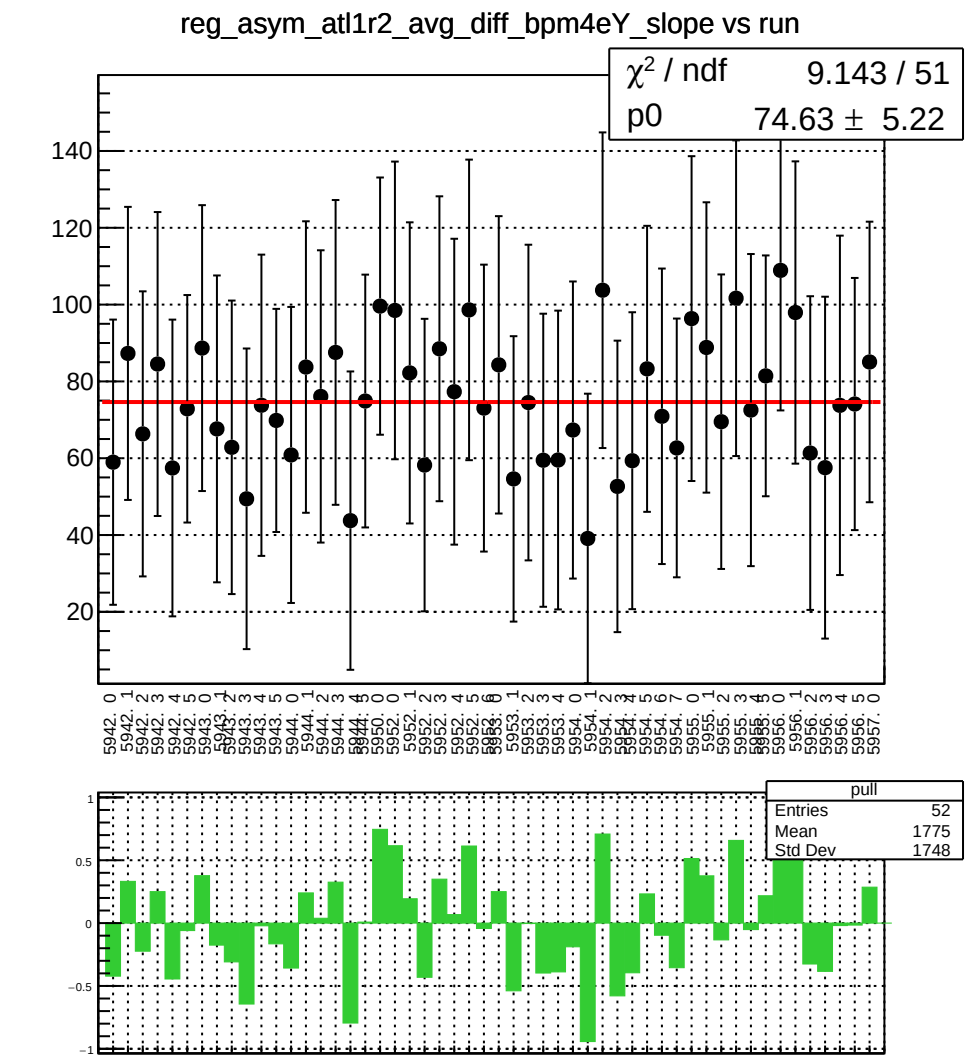

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.75 / 51
p0 −308.2 ± 10.79
pull
Entries 52
Mean −219
Std Dev 232.1

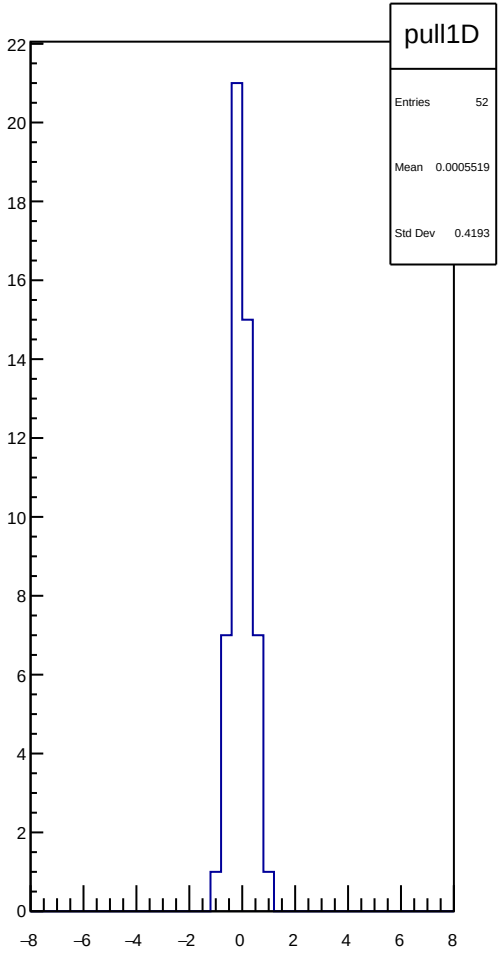

pull1D
Entries 52
Mean −0.002316
Std Dev 0.4546

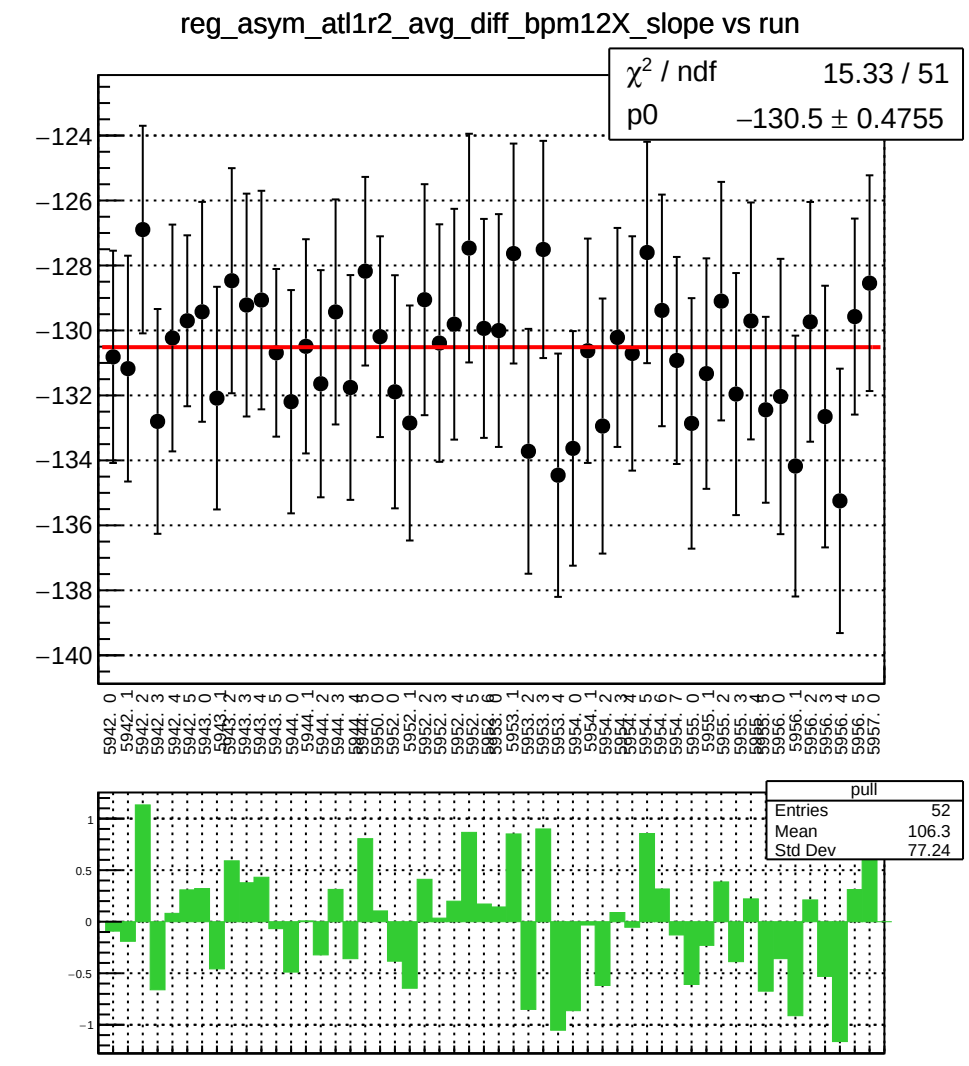

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.86 / 51
p0 −8.299 ± 4.003
pull
Entries 52
Mean 696.6
Std Dev 667.3

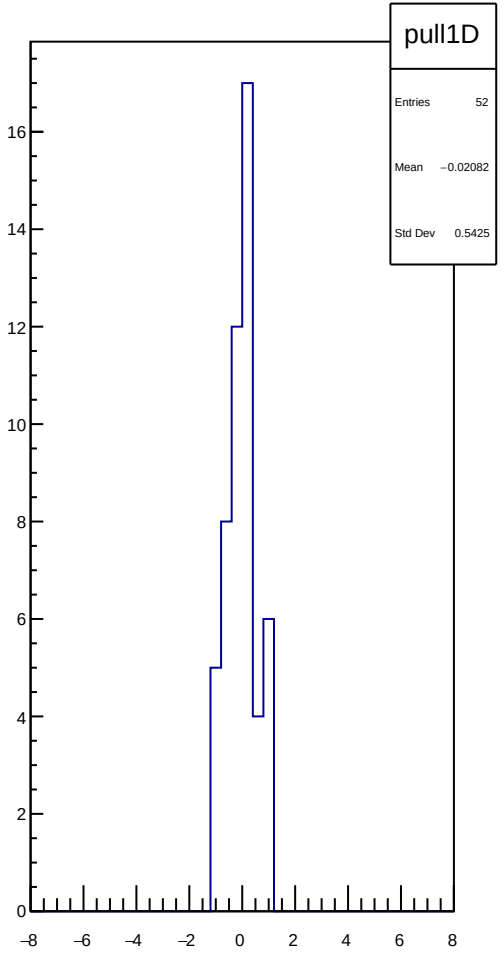

pull1D
Entries 52
Mean −0.001083
Std Dev 0.3888

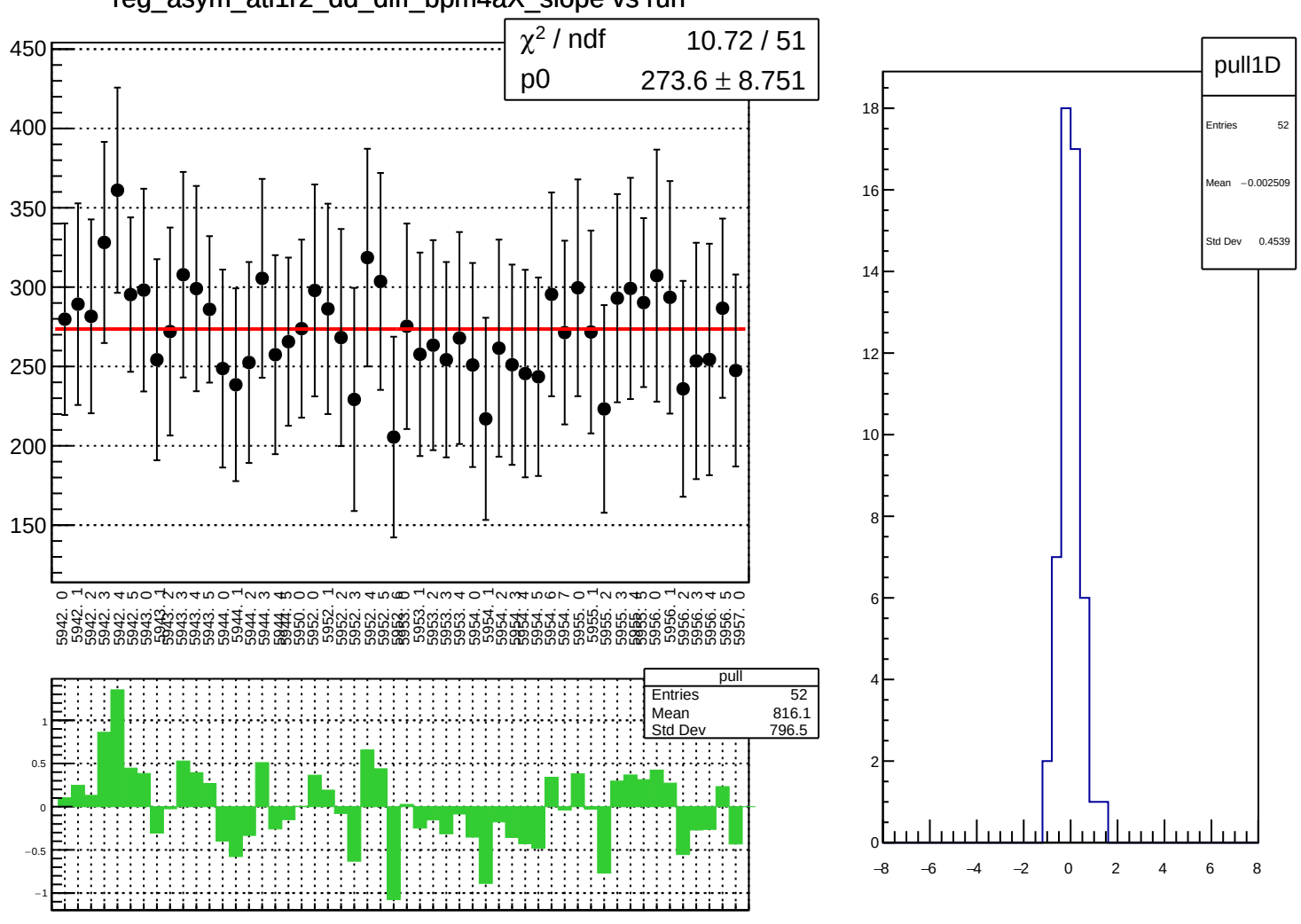

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.32 / 51
p0 418 ± 11.45
pull
Entries 52
Mean −373.3
Std Dev 389.4
pull1D
Entries 52
Mean 0.001795
Std Dev 0.4665

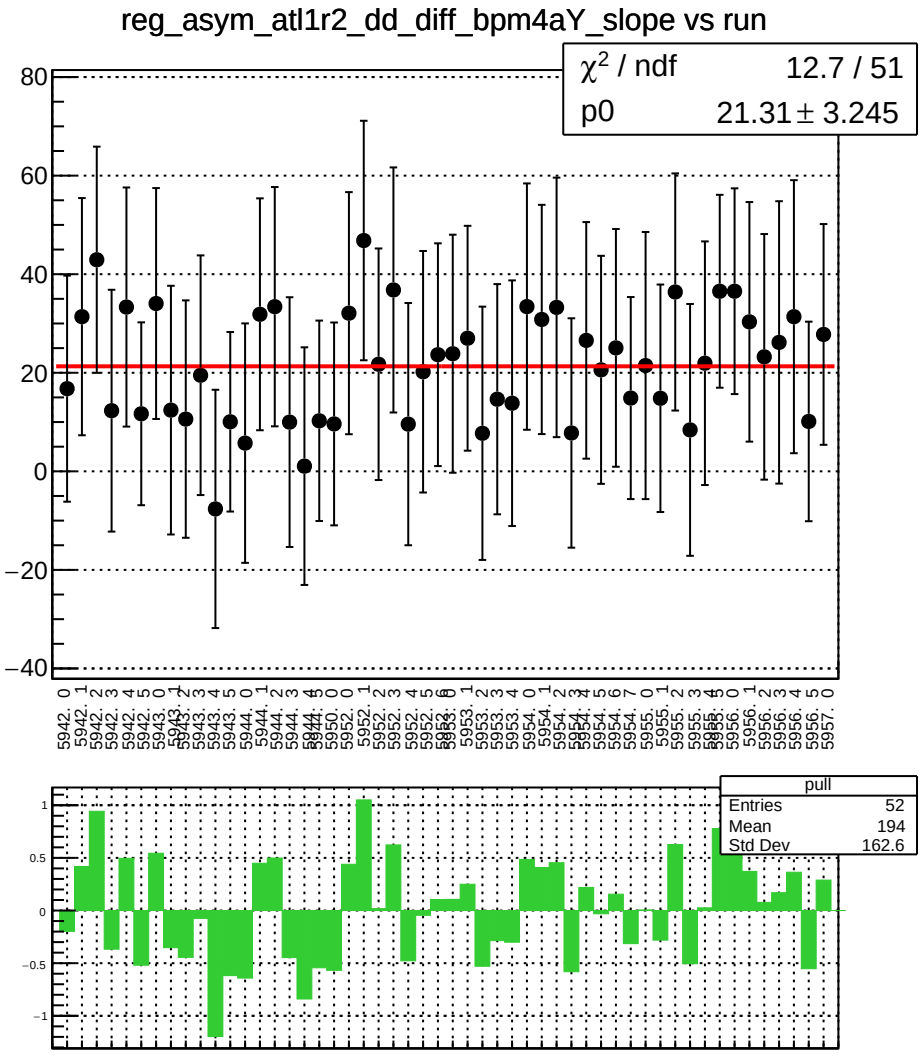

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.143 / 51
p0 74.63 ± 5.22
pull
Entries 52
Mean 1775
Std Dev 1748

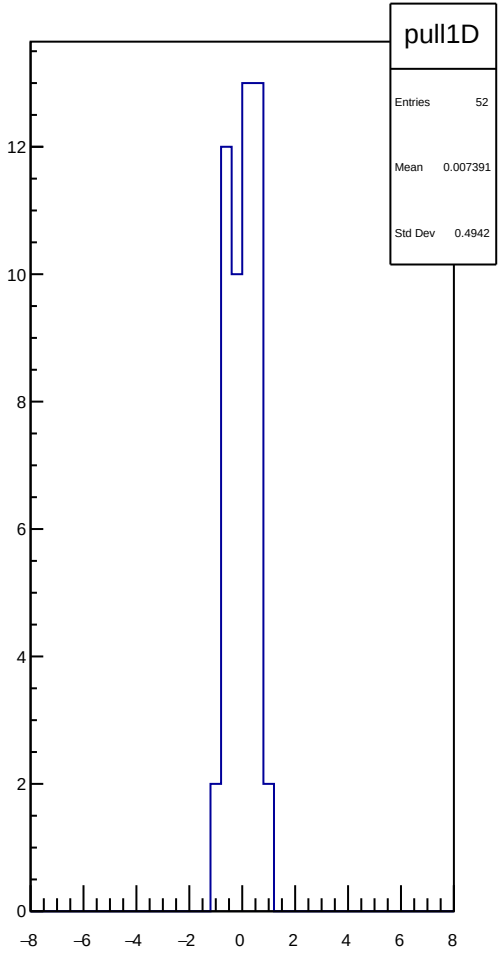

pull1D
Entries 52
Mean 0.0005519
Std Dev 0.4193

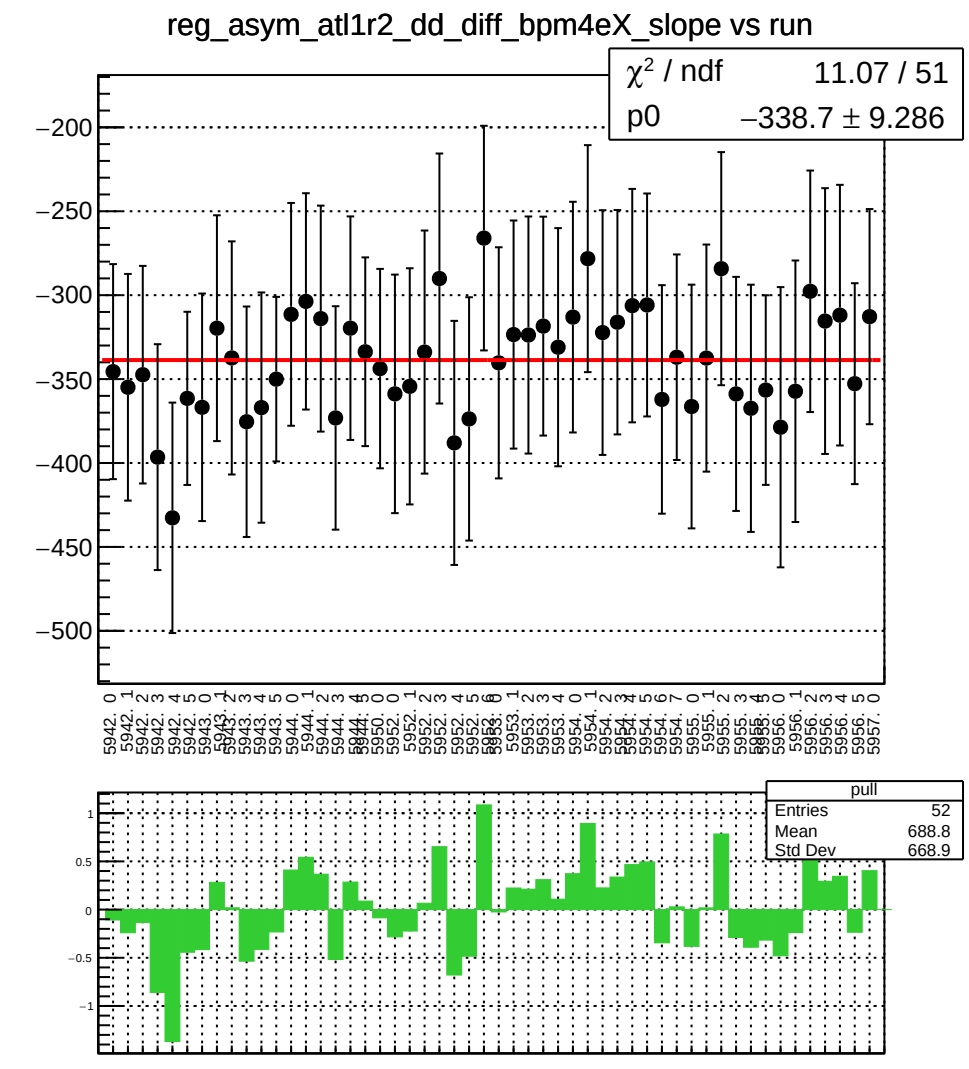

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.33 / 51
p0 −130.5 ± 0.4755
pull
Entries 52
Mean 106.3
Std Dev 77.24

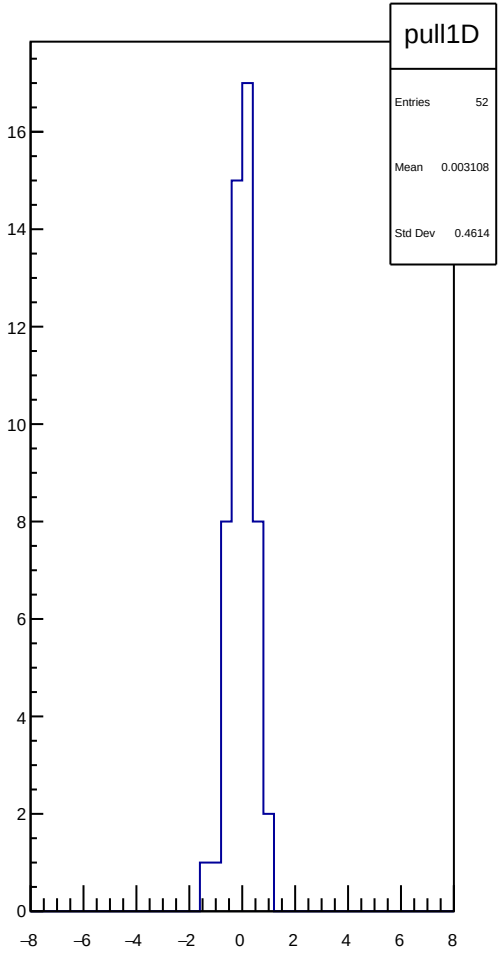

pull1D
Entries 52
Mean −0.02082
Std Dev 0.5425

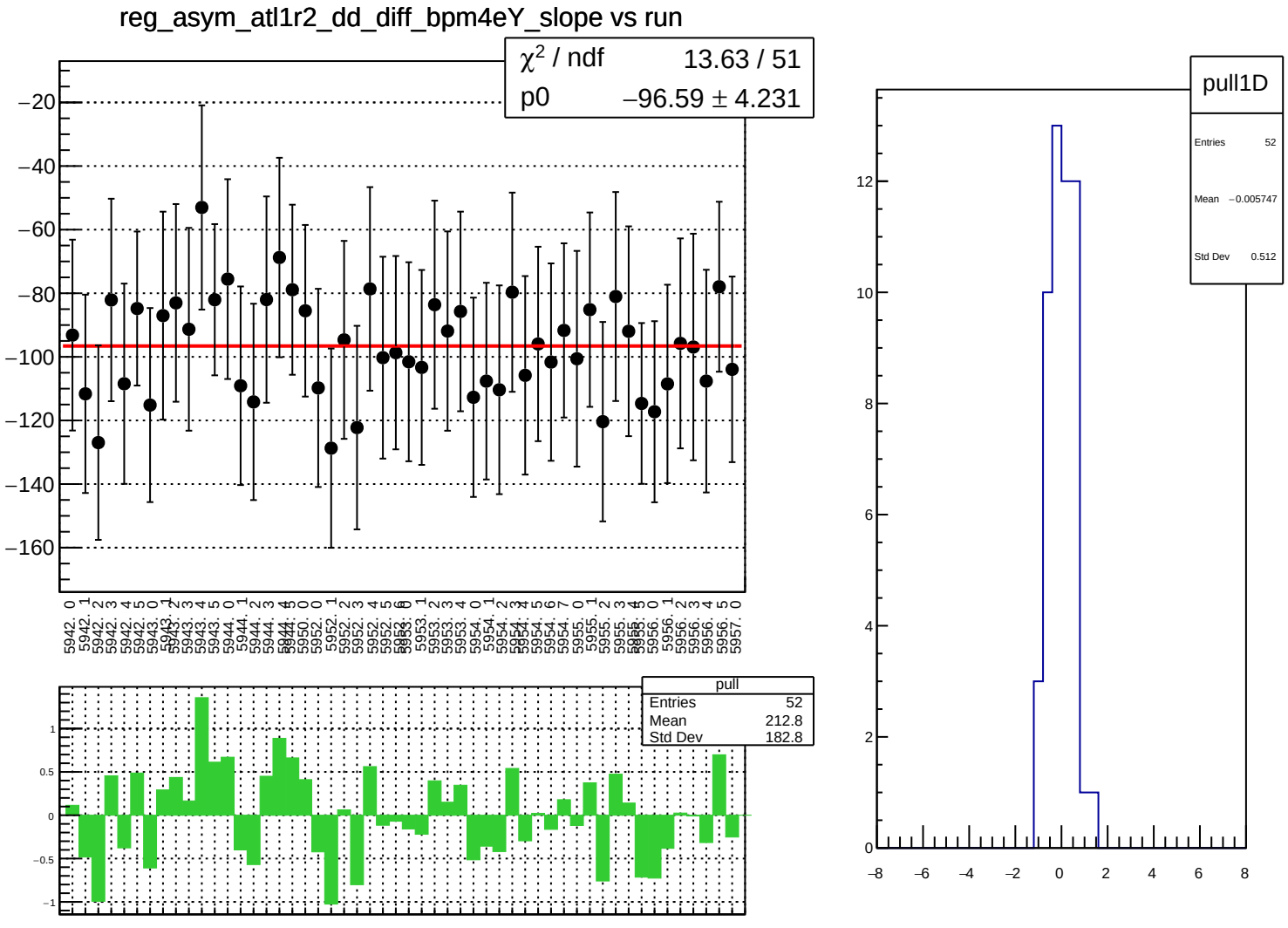

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.72 / 51
p0 273.6 ± 8.751
pull
Entries 52
Mean 816.1
Std Dev 796.5
pull1D
Entries 52
Mean −0.002509
Std Dev 0.4539

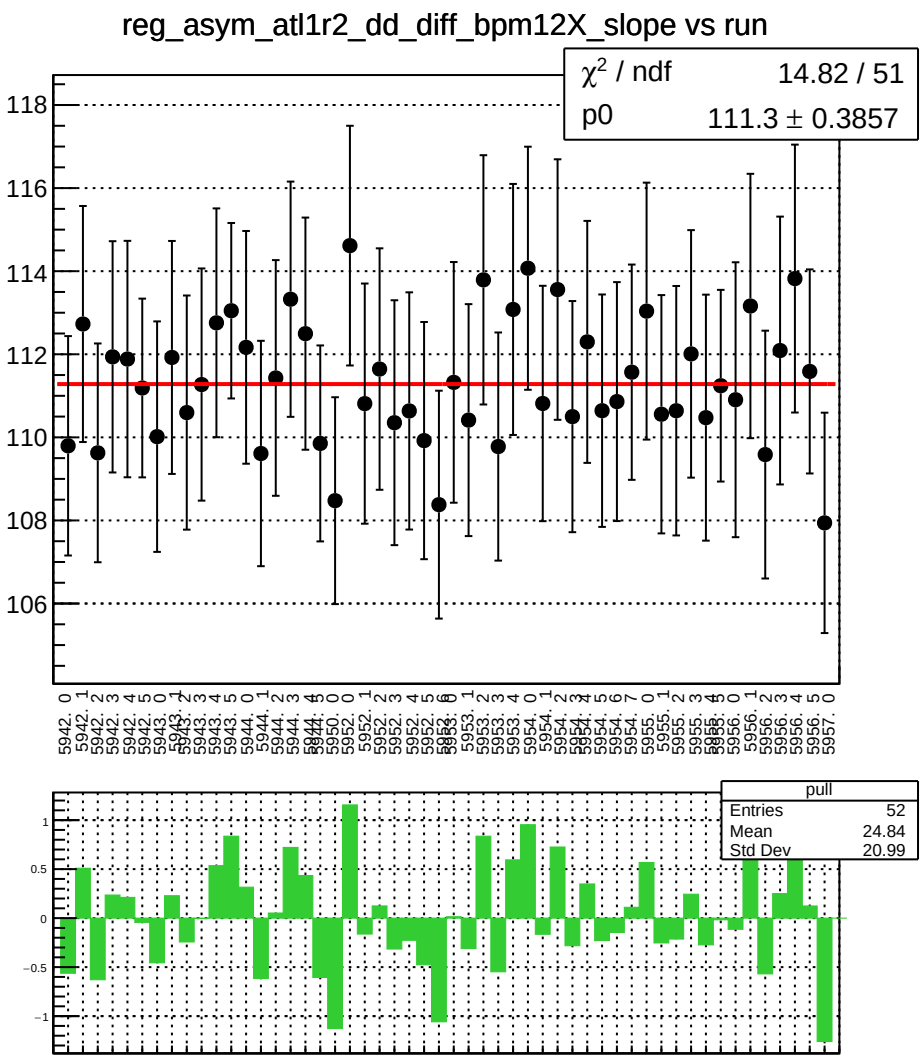

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.7 / 51
p0 21.31 ± 3.245
pull
Entries 52
Mean 194
Std Dev 162.6

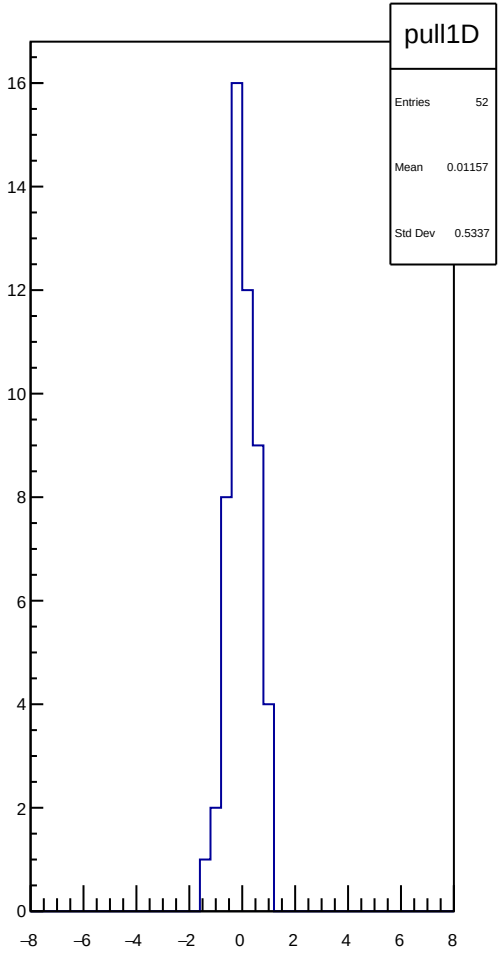

pull1D
Entries 52
Mean 0.007391
Std Dev 0.4942

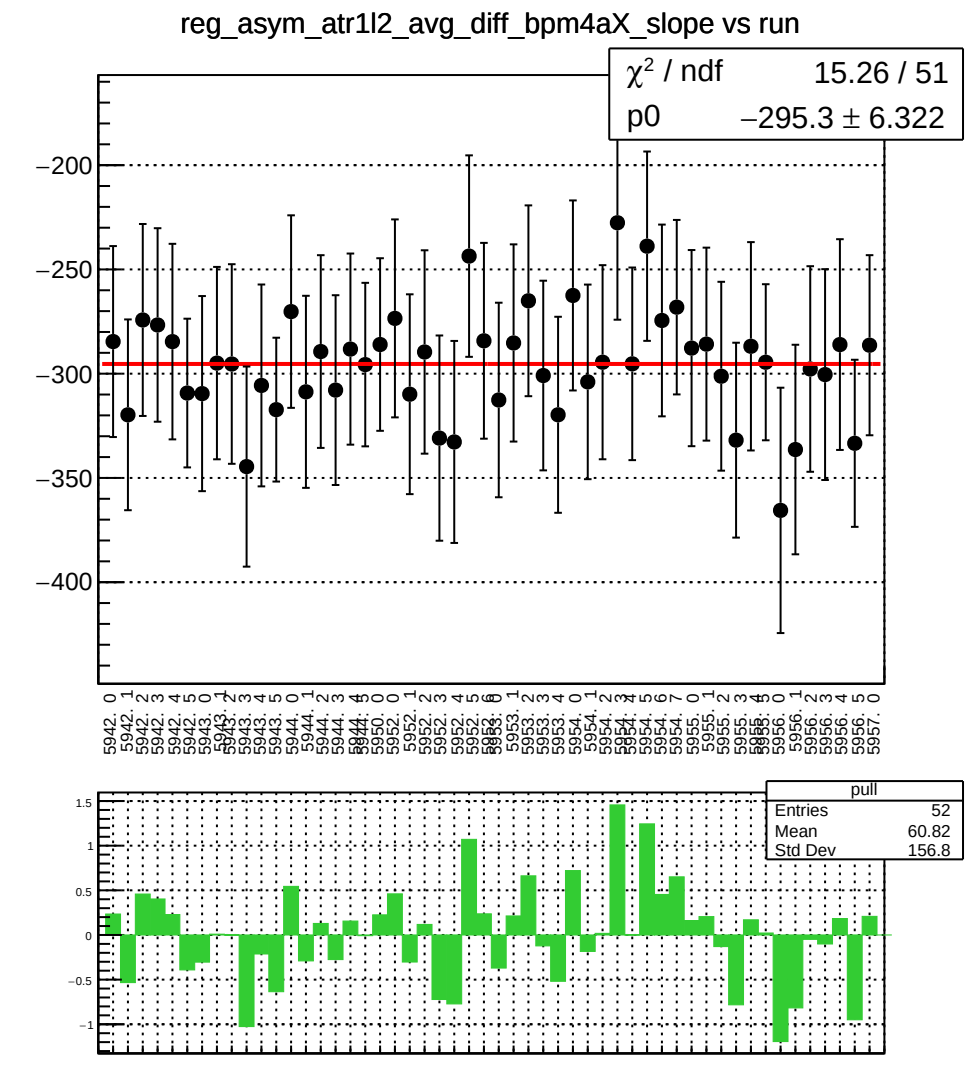

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.07 / 51
p0 −338.7 ± 9.286
pull
Entries 52
Mean 688.8
Std Dev 668.9

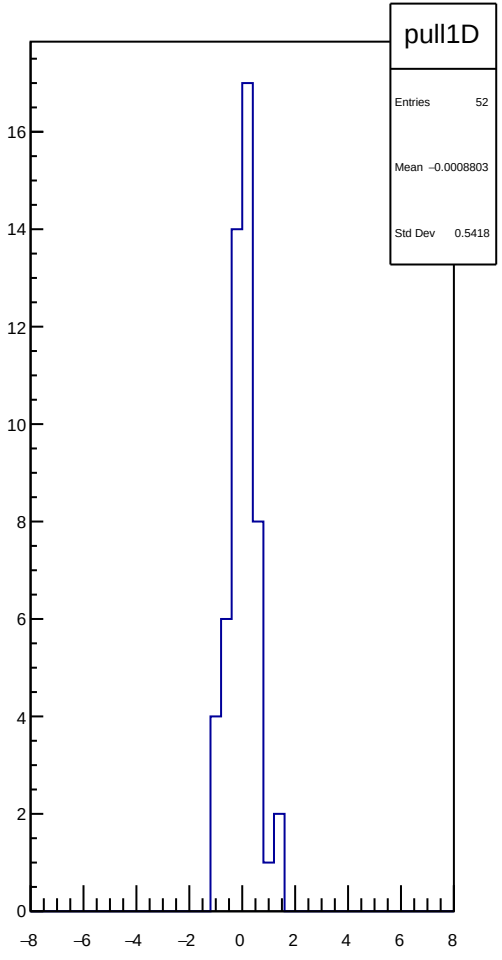

pull1D
Entries 52
Mean 0.003108
Std Dev 0.4614

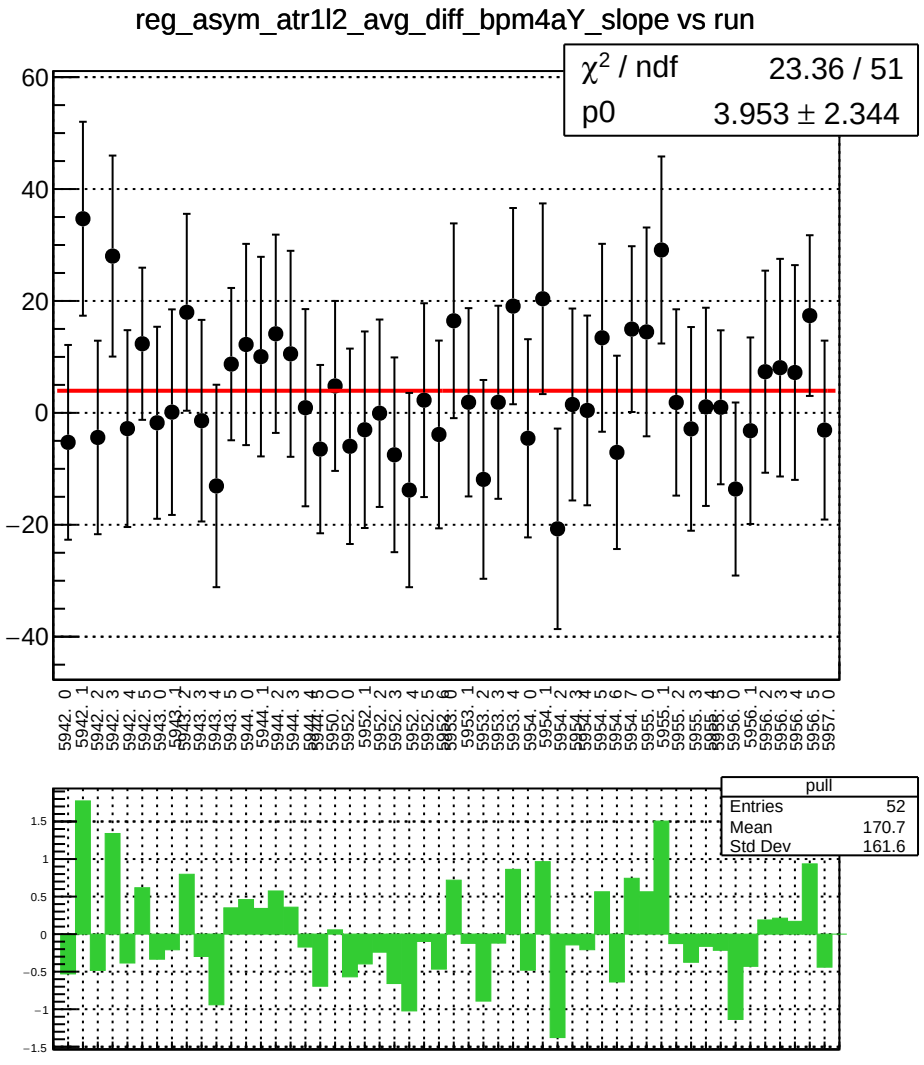

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.63 / 51
p0 −96.59 ± 4.231
pull
Entries 52
Mean 212.8
Std Dev 182.8
pull1D
Entries 52
Mean −0.005747
Std Dev 0.512

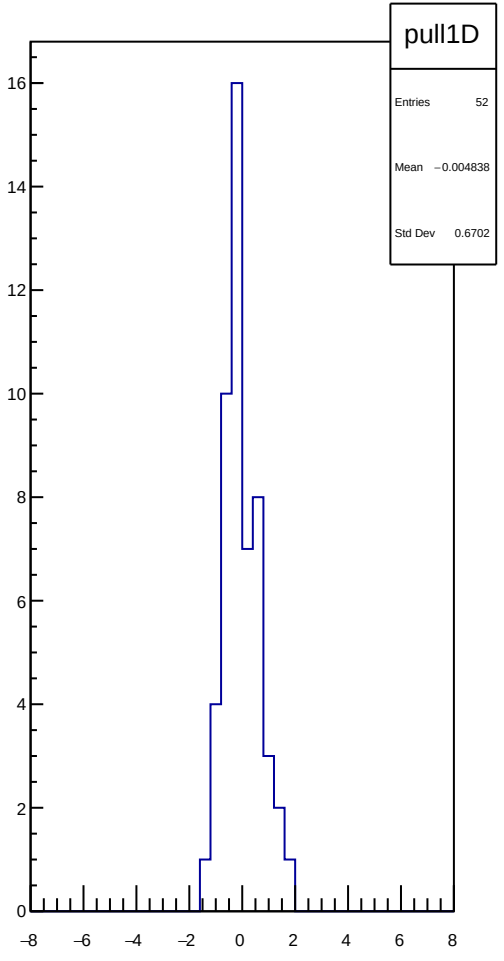

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.82 / 51
p0 111.3 ± 0.3857
pull
Entries 52
Mean 24.84
Std Dev 20.99

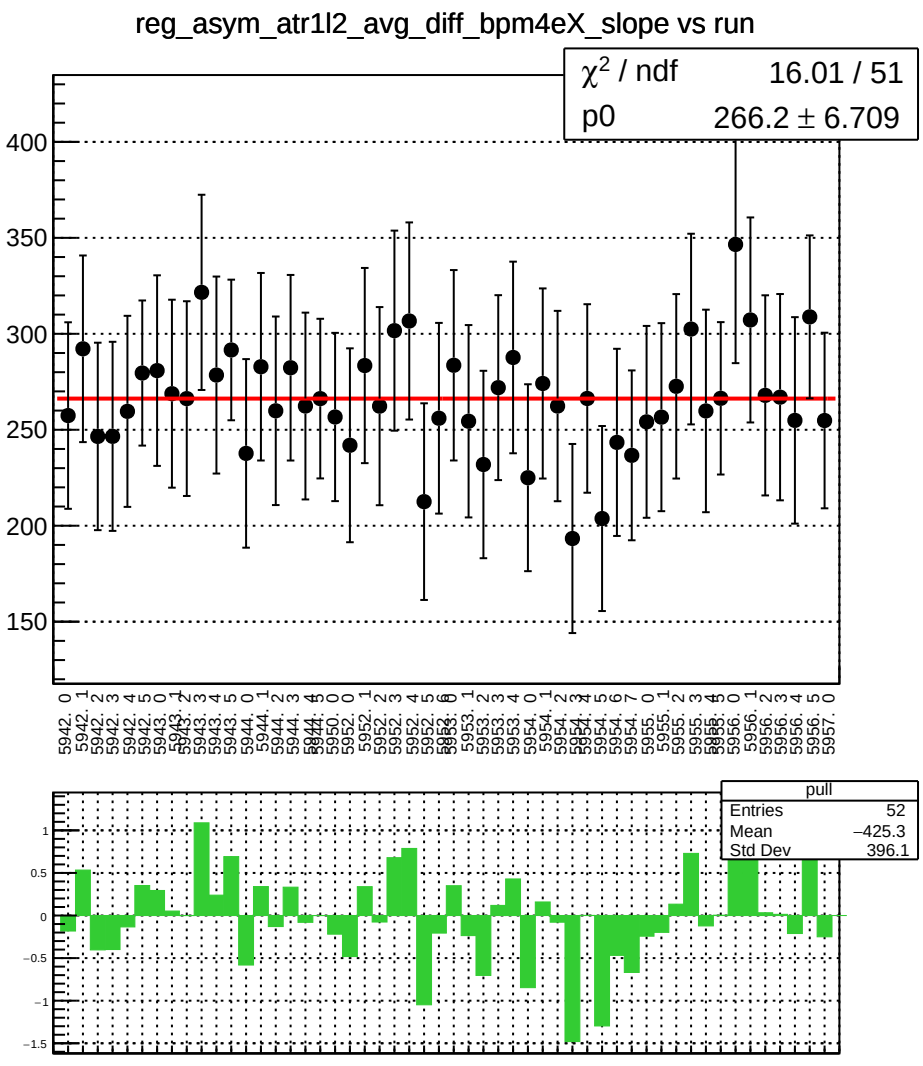

pull1D
Entries 52
Mean 0.01157
Std Dev 0.5337

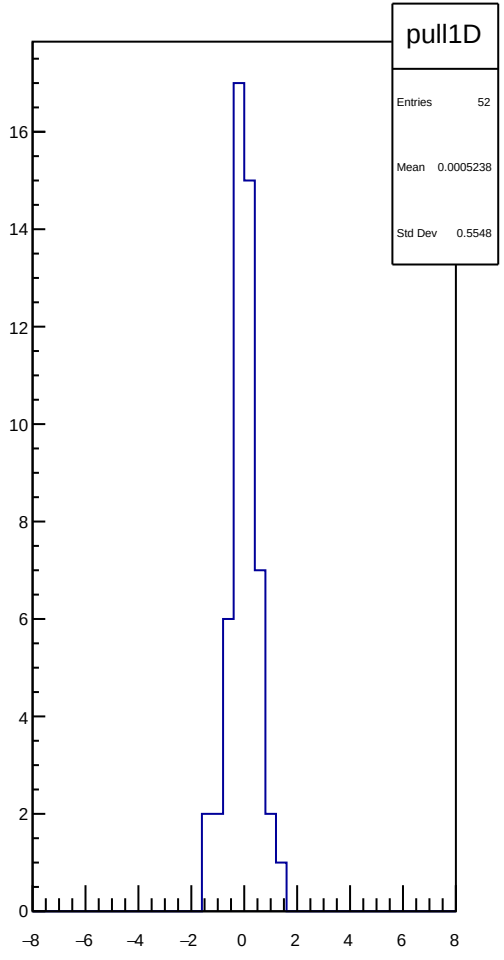

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.26 / 51
p0 −295.3 ± 6.322
pull
Entries 52
Mean 60.82
Std Dev 156.8

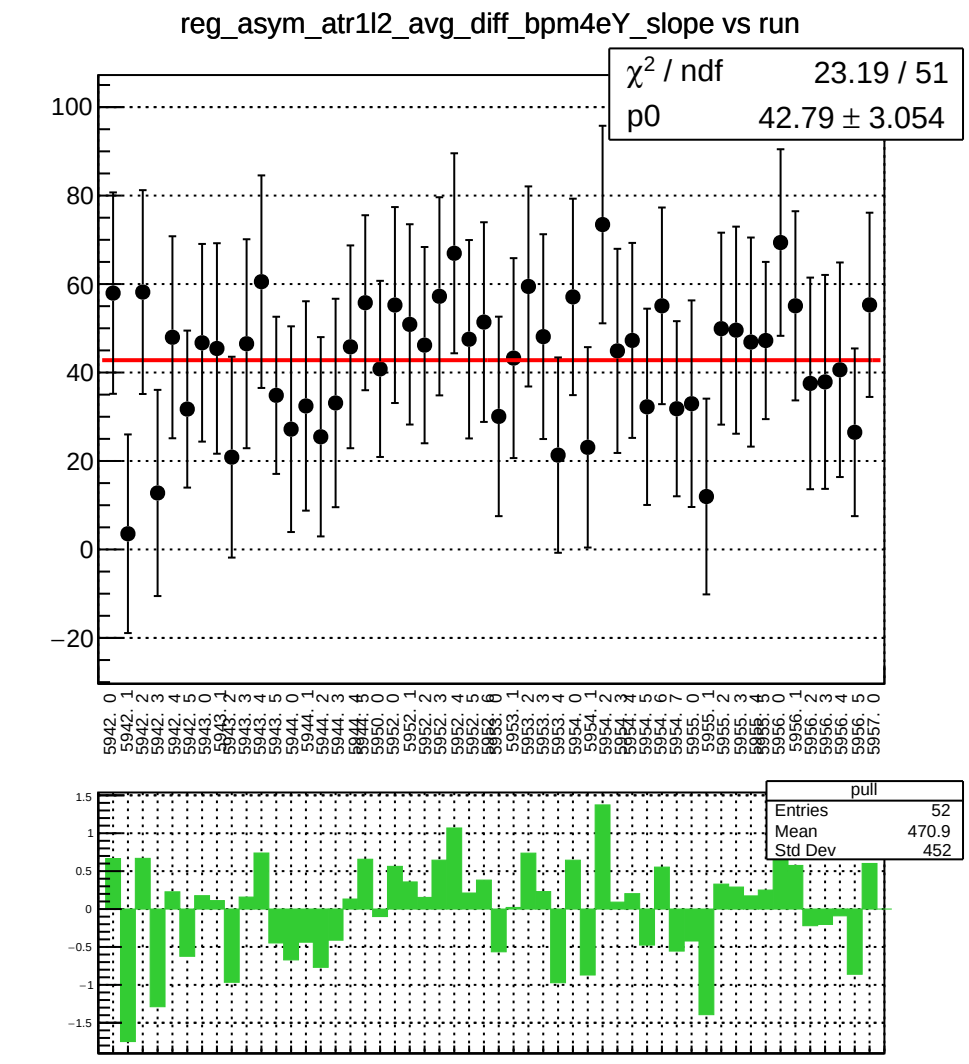

pull1D
Entries 52
Mean −0.0008803
Std Dev 0.5418

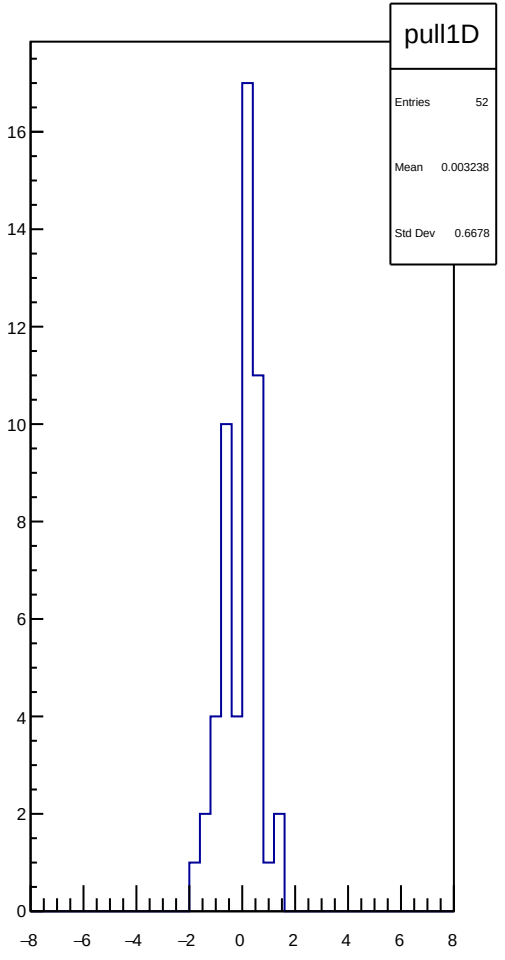

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.36 / 51
p0 3.953 ± 2.344
pull
Entries 52
Mean 170.7
Std Dev 161.6

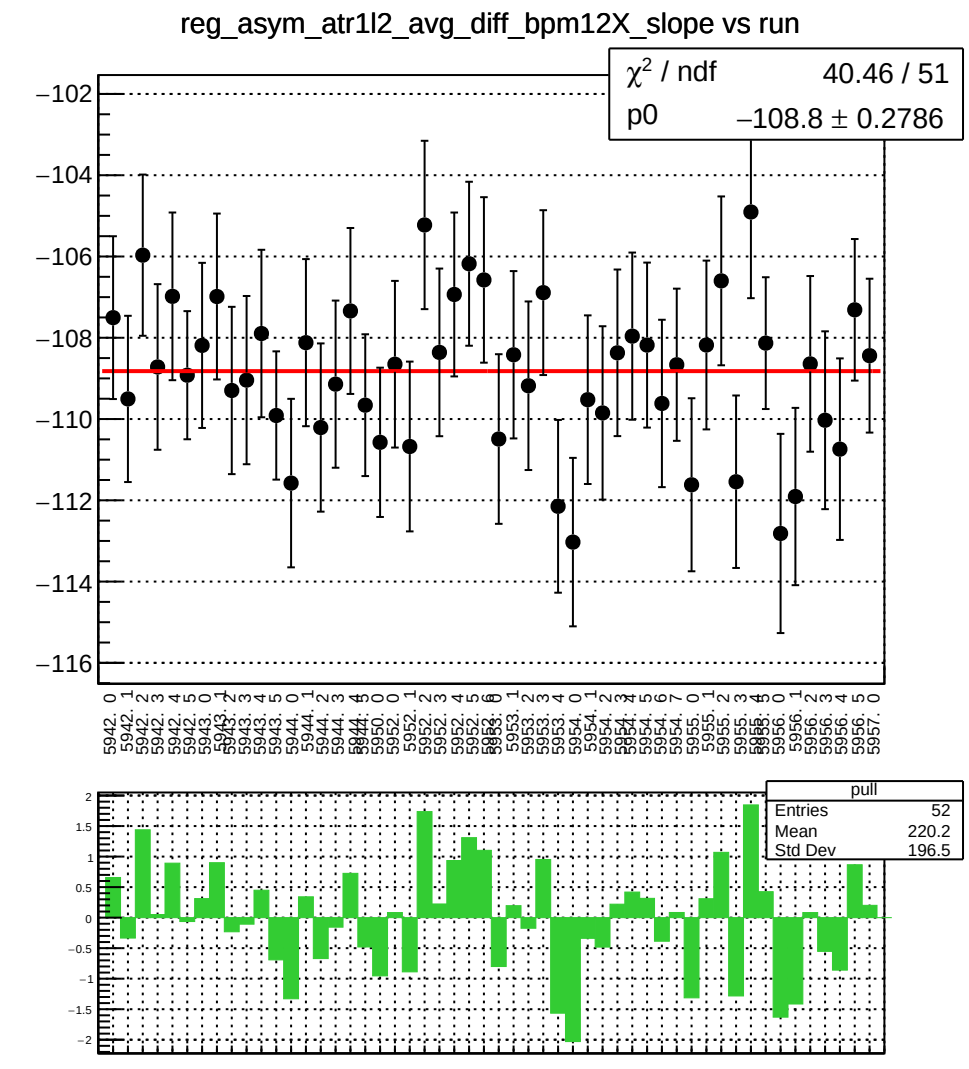

pull1D
Entries 52
Mean −0.004838
Std Dev 0.6702

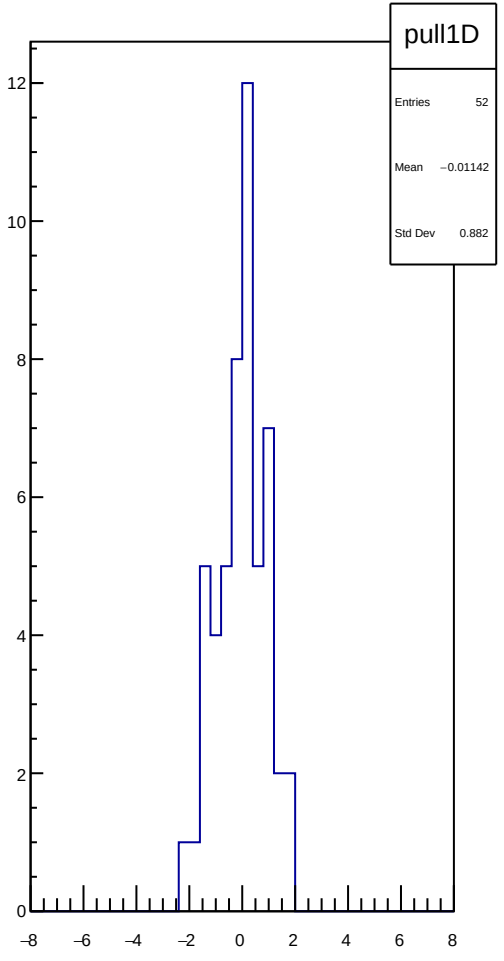

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.01 / 51
p0 266.2 ± 6.709
400
350
300
250
200
150
pull
Entries 52
Mean −425.3
Std Dev 396.1
1
0.5
0
−0.5
−1
−1.5

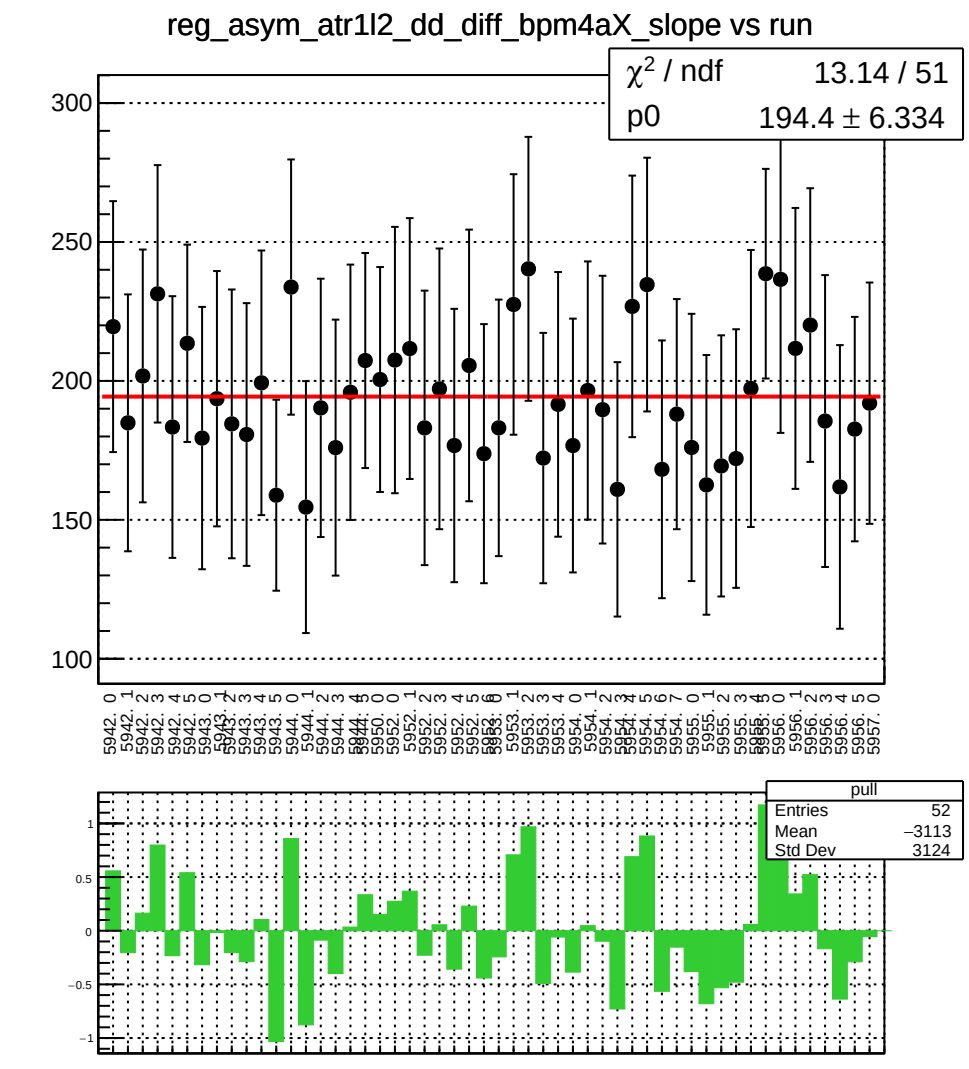

pull1D
Entries 52
Mean 0.0005238
Std Dev 0.5548
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

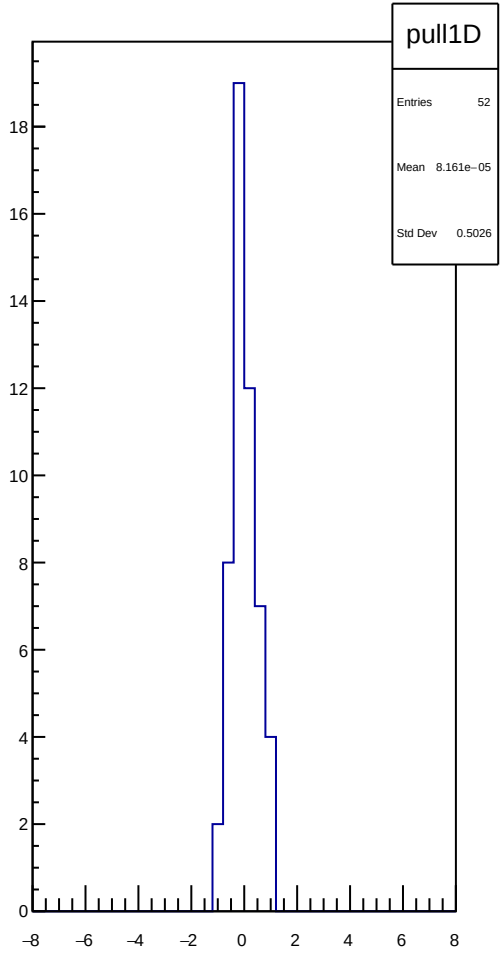

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.19 / 51
p0 42.79 ± 3.054
pull
Entries 52
Mean 470.9
Std Dev 452

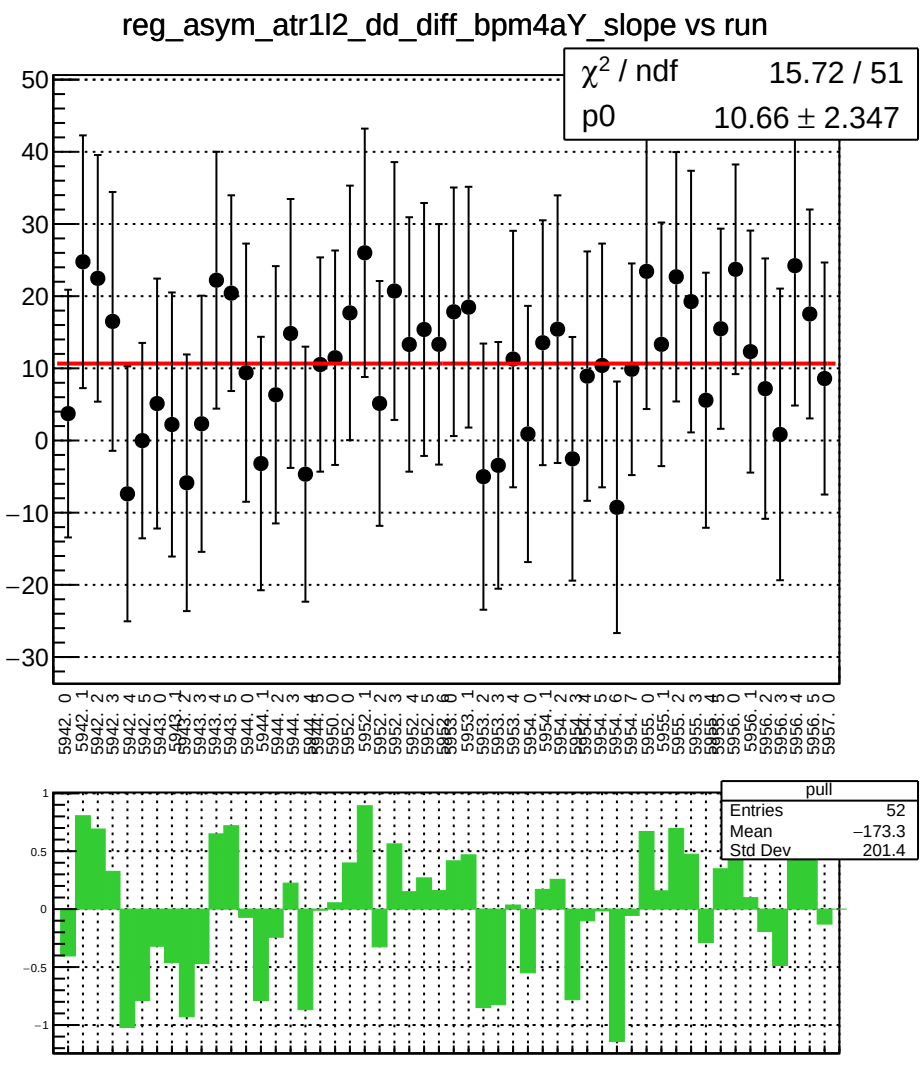

pull1D
Entries 52
Mean 0.003238
Std Dev 0.6678

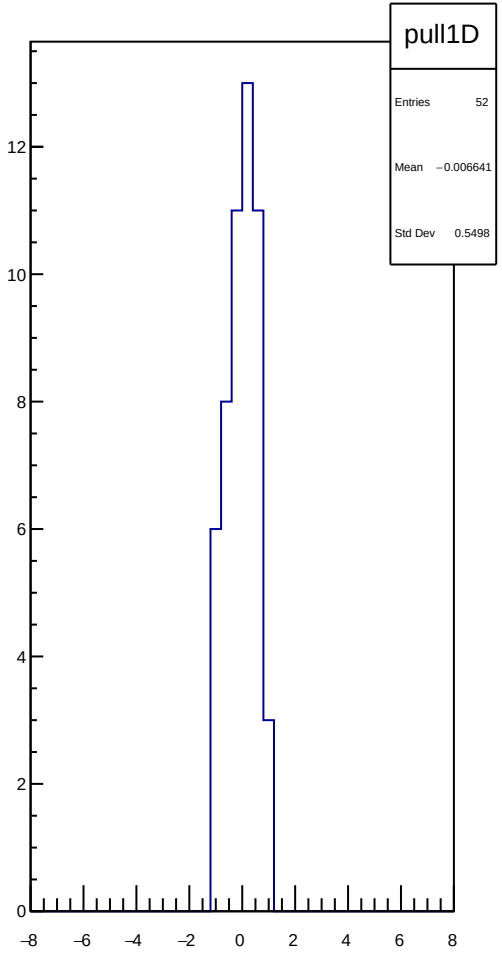

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 40.46 / 51
p0 −108.8 ± 0.2786
pull
Entries 52
Mean 220.2
Std Dev 196.5

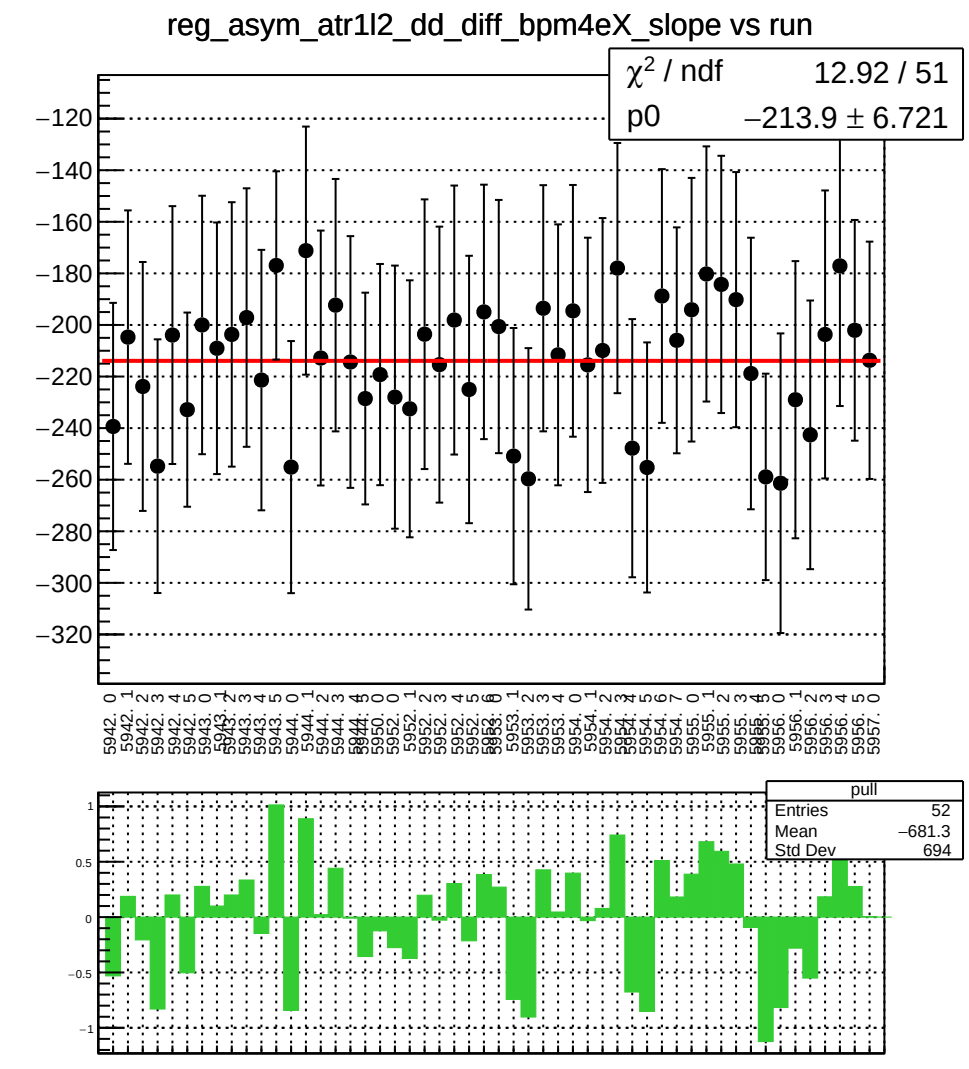

pull1D
Entries 52
Mean −0.01142
Std Dev 0.882

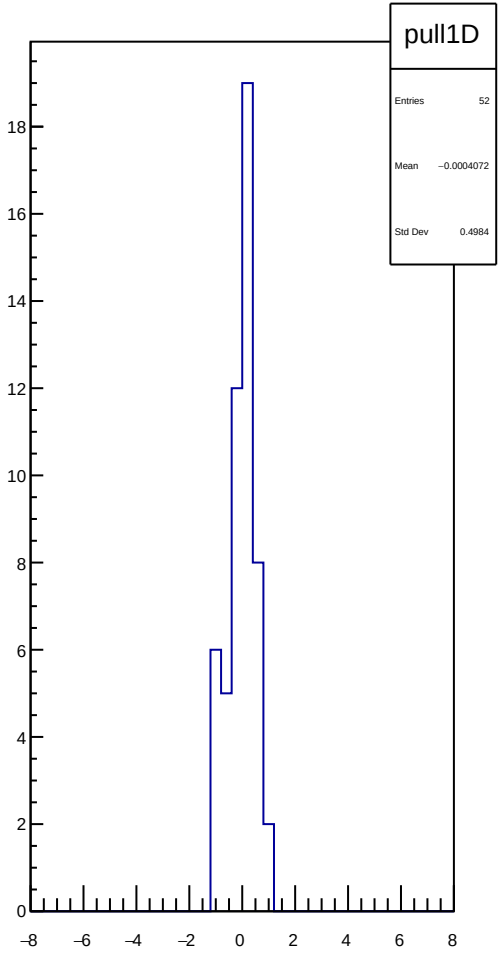

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.14 / 51
p0 194.4 ± 6.334
300
250
200
150
100
pull
Entries 52
Mean −3113
Std Dev 3124
1
0.5
0
−0.5
−1

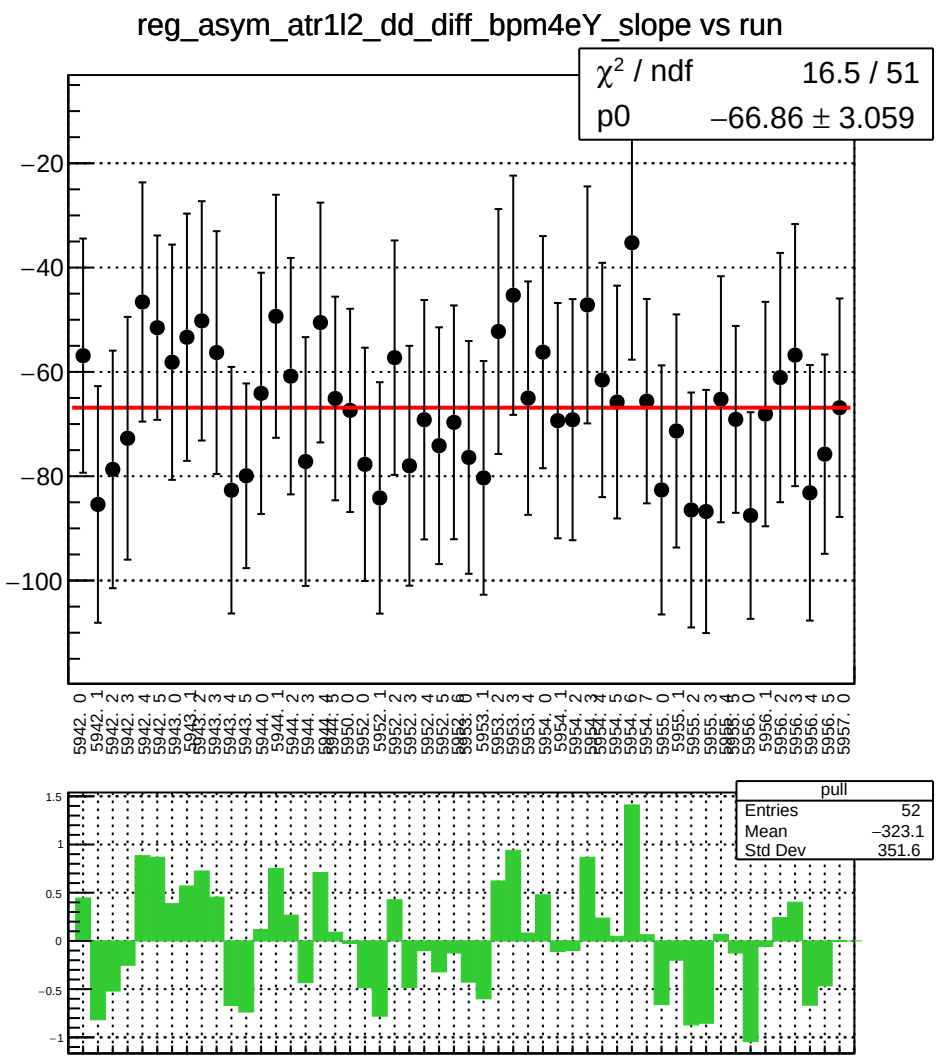

pull1D
Entries 52
Mean 8.161e−05
Std Dev 0.5026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

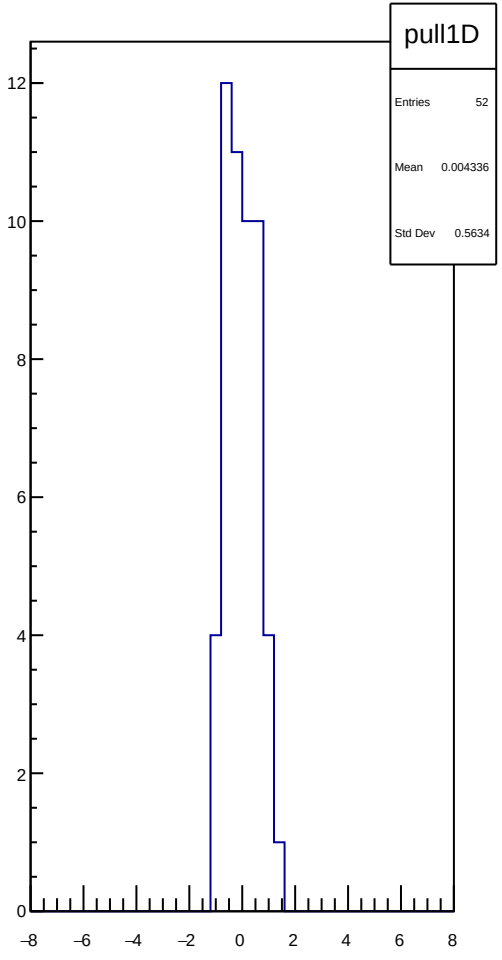

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.72 / 51
p0 10.66 ± 2.347
pull
Entries 52
Mean −173.3
Std Dev 201.4

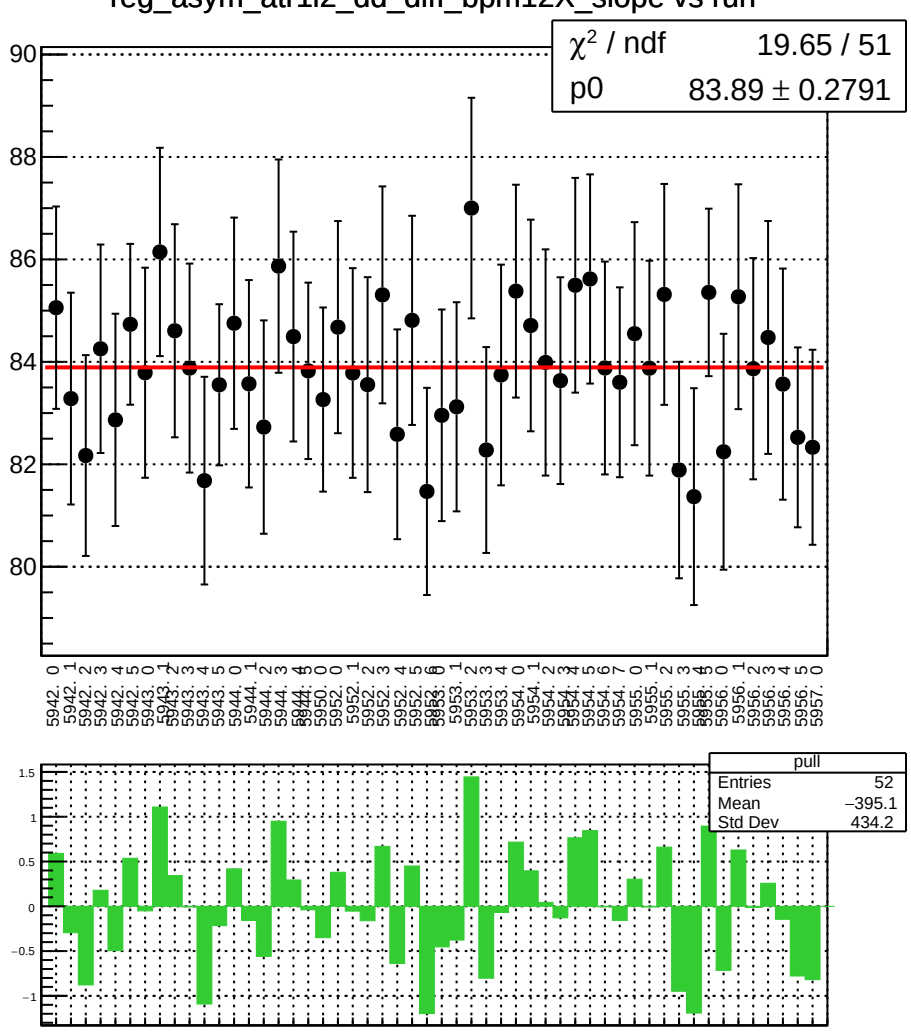

pull1D
Entries 52
Mean −0.006641
Std Dev 0.5498

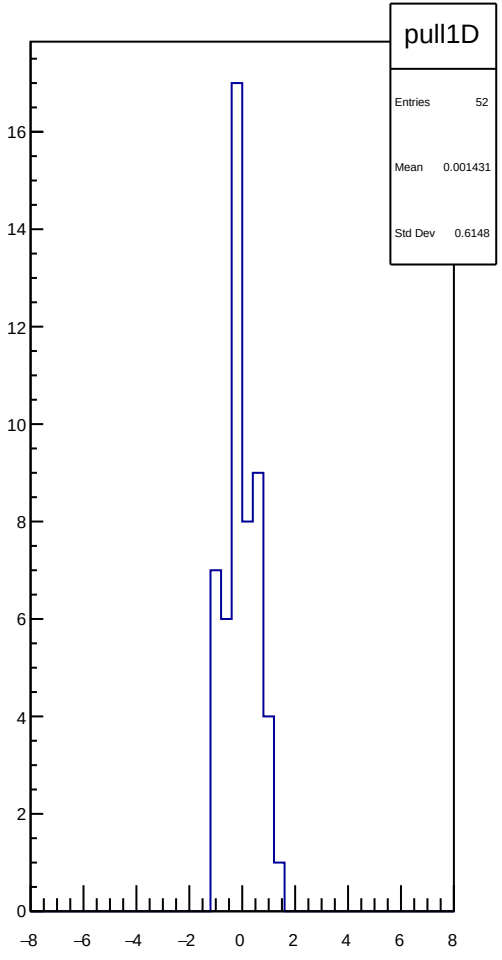

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.92 / 51
p0 −213.9 ± 6.721
pull
Entries 52
Mean −681.3
Std Dev 694

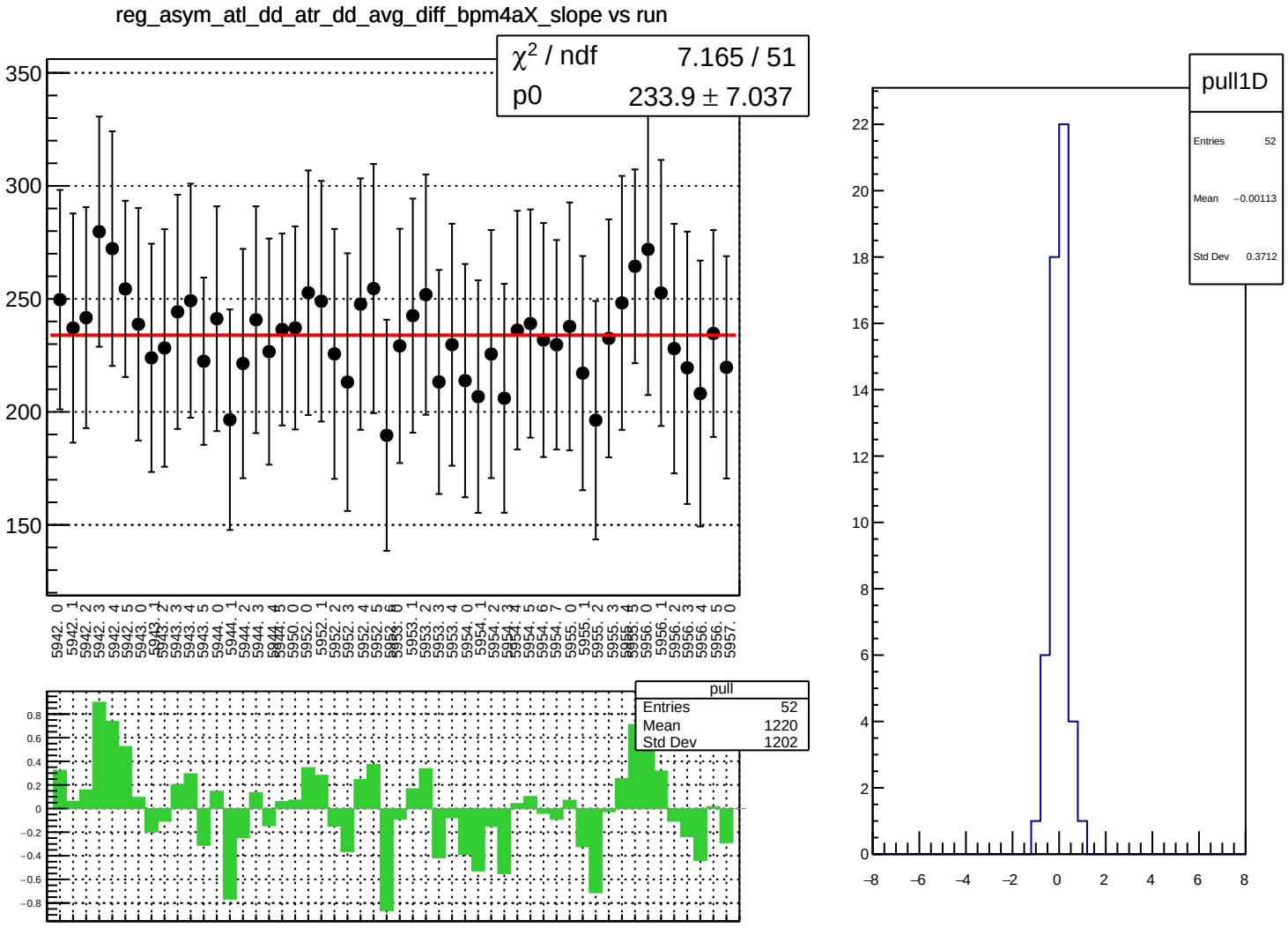

pull1D
Entries 52
Mean −0.0004072
Std Dev 0.4984

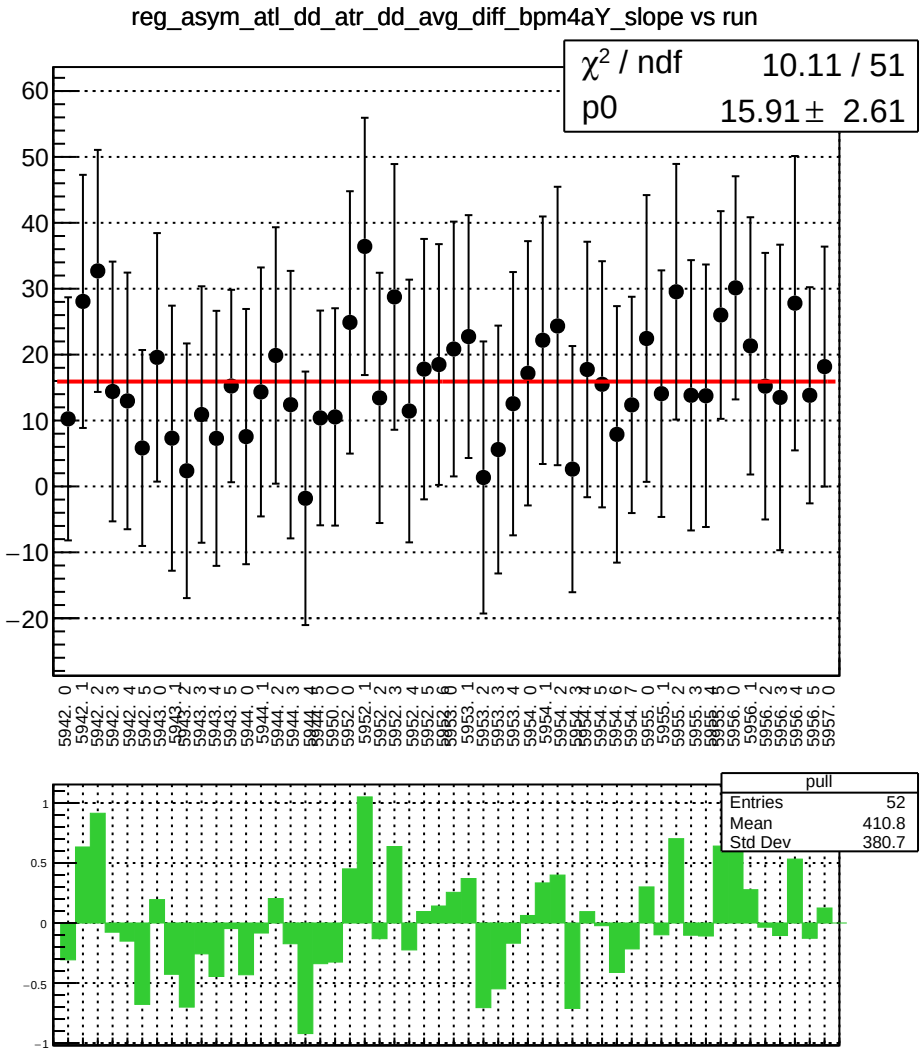

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.5 / 51
p0 −66.86 ± 3.059
pull
Entries 52
Mean −323.1
Std Dev 351.6

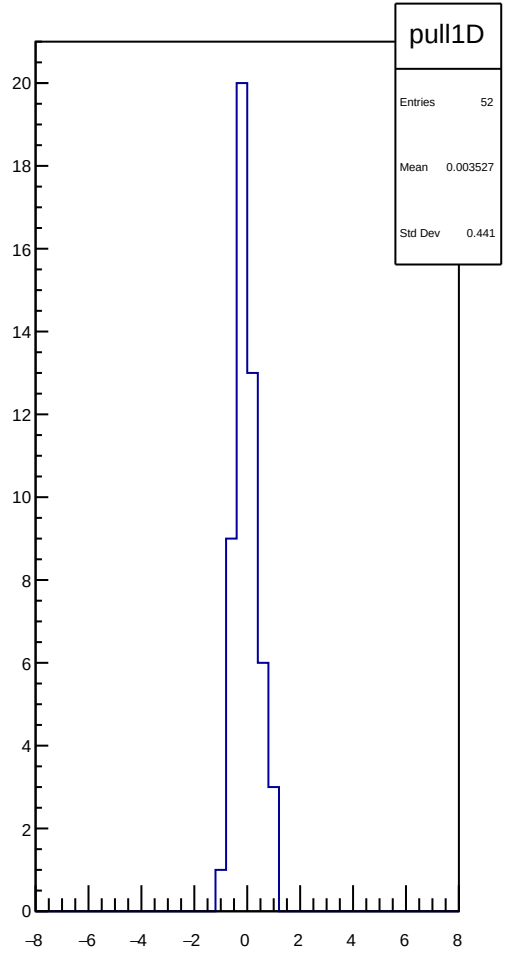

pull1D
Entries 52
Mean 0.004336
Std Dev 0.5634

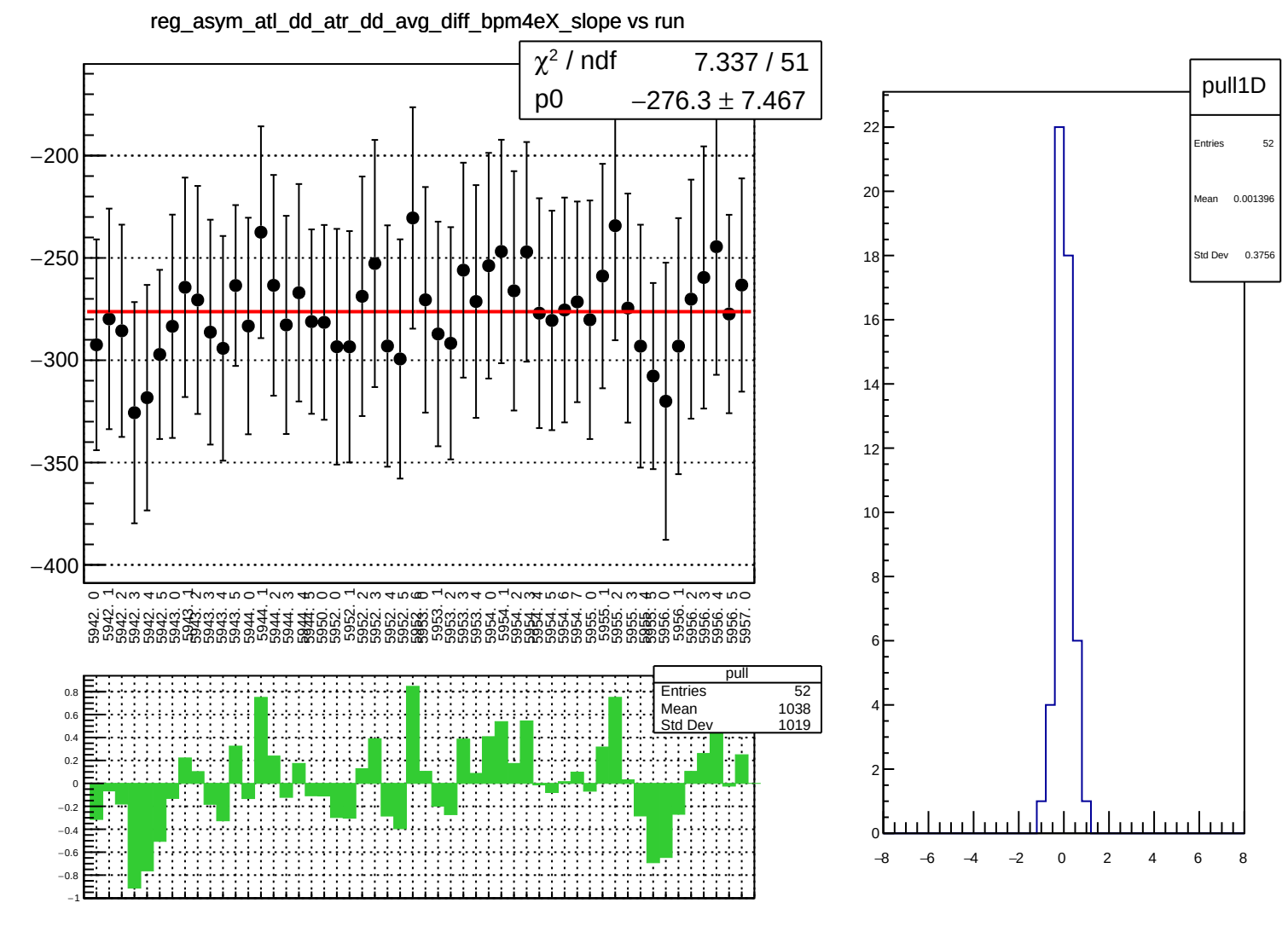

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.65 / 51
p0 83.89 ± 0.2791
pull
Entries 52
Mean −395.1
Std Dev 434.2

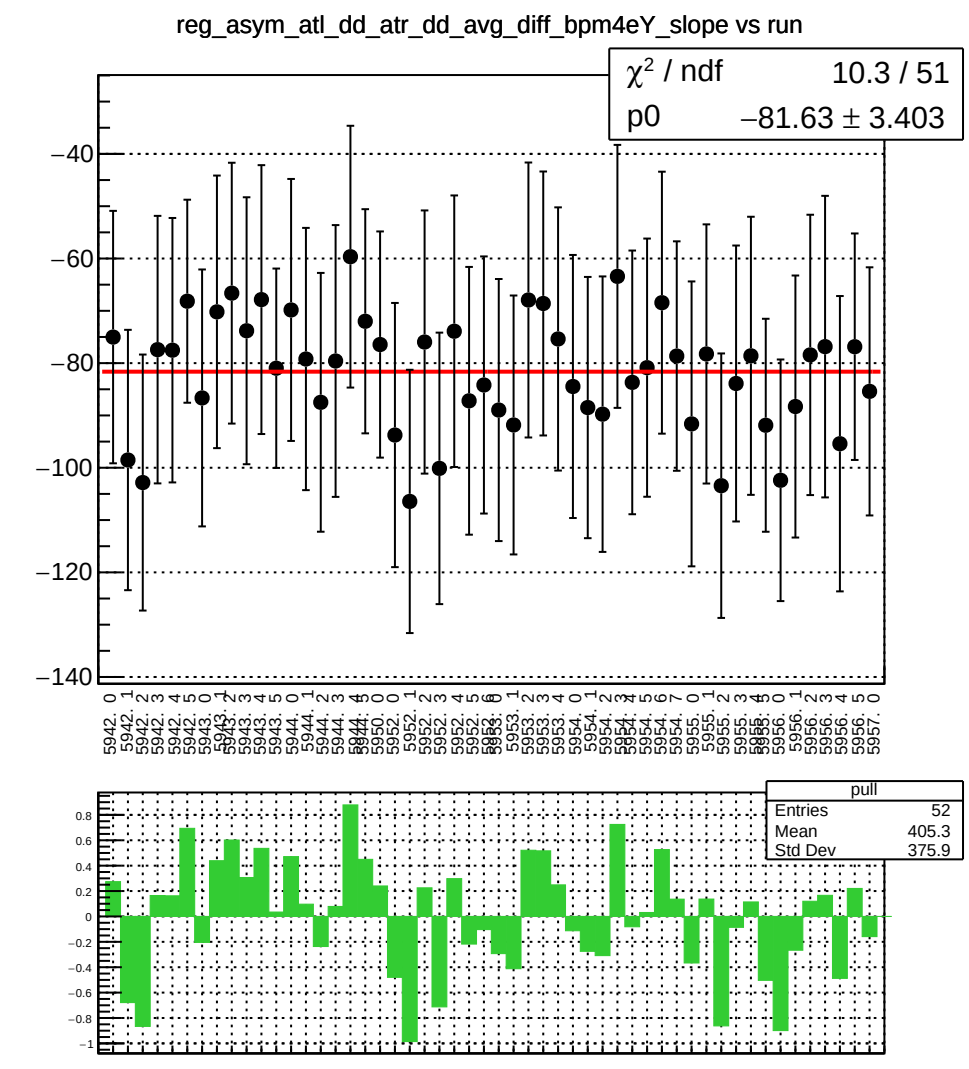

pull1D
Entries 52
Mean 0.001431
Std Dev 0.6148

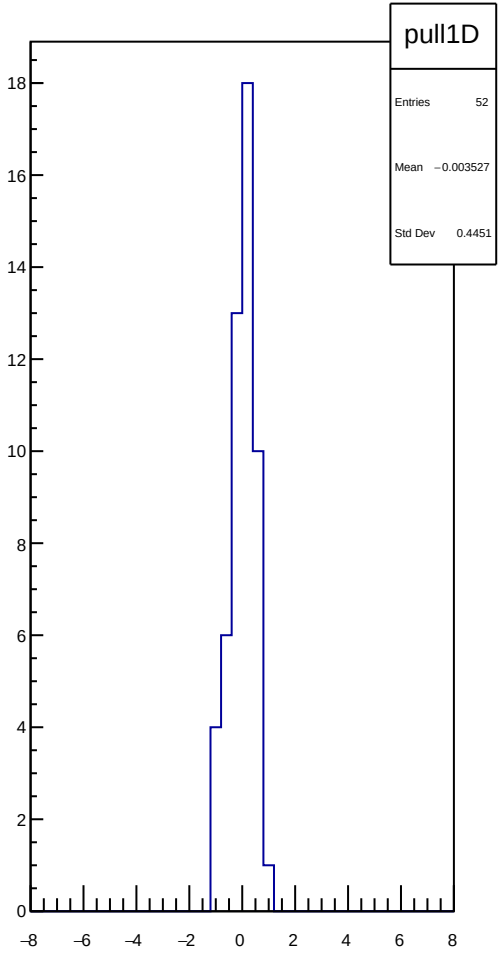

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.165 / 51
p0 233.9 ± 7.037
pull
Entries 52
Mean 1220
Std Dev 1202
pull1D
Entries 52
Mean −0.00113
Std Dev 0.3712

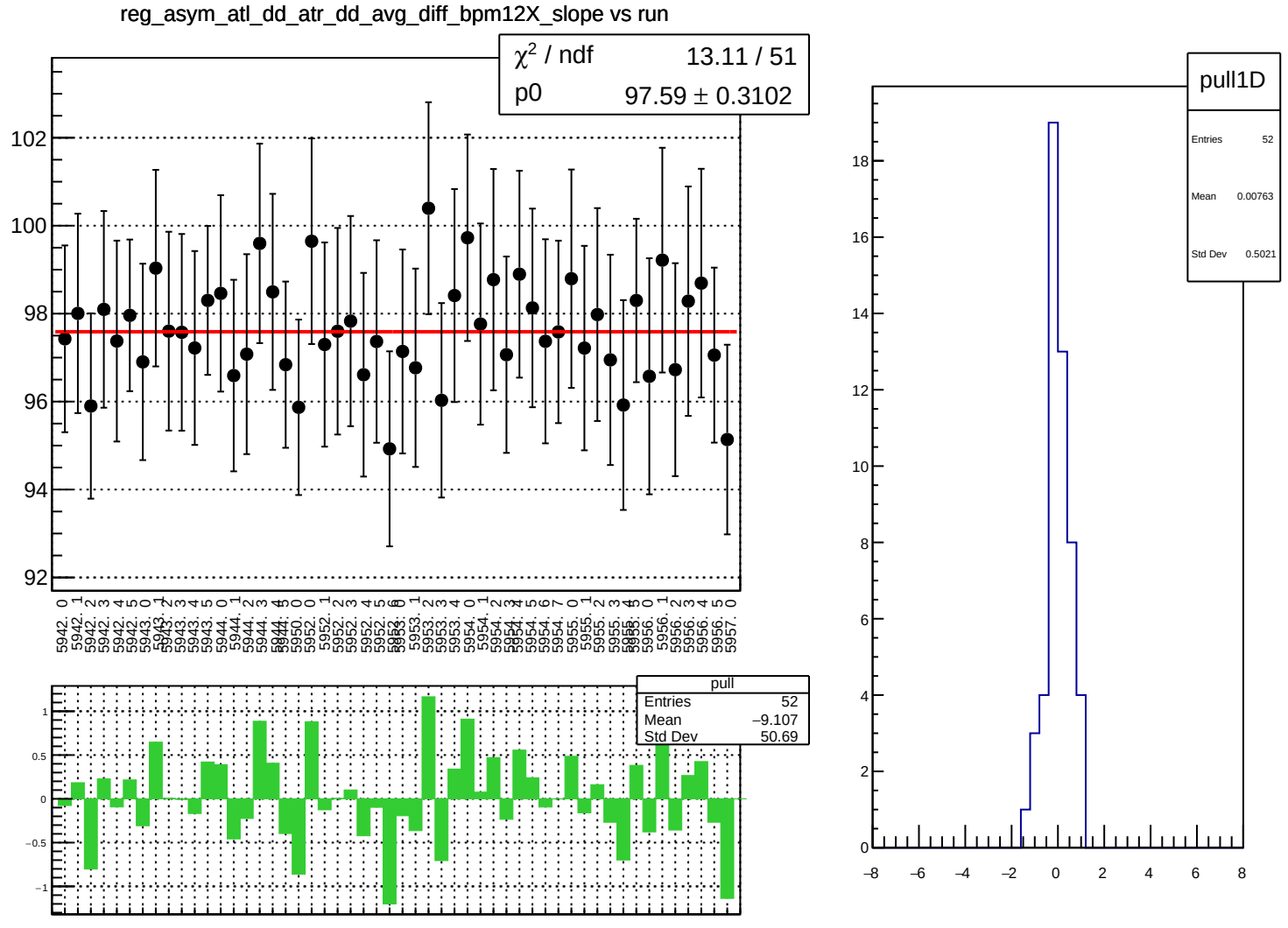

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.11 / 51
p0 15.91 ± 2.61
pull
Entries 52
Mean 410.8
Std Dev 380.7

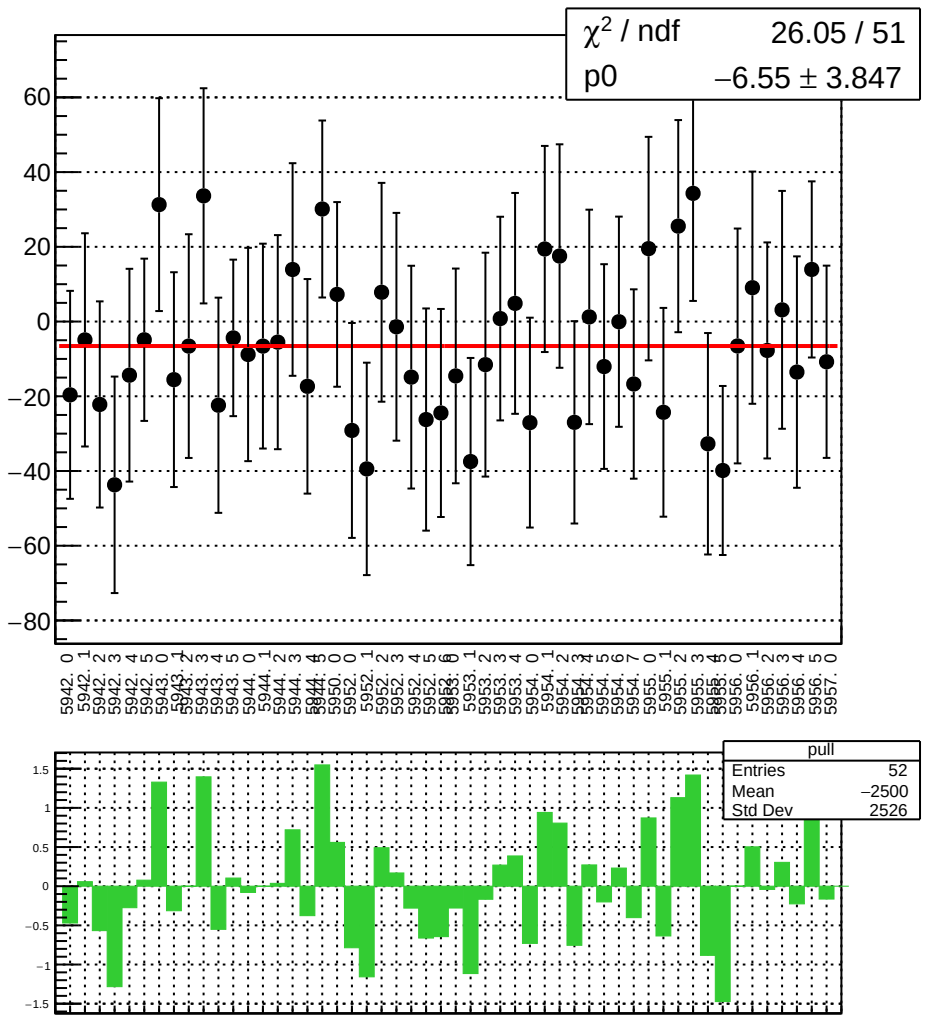

pull1D
Entries 52
Mean 0.003527
Std Dev 0.441

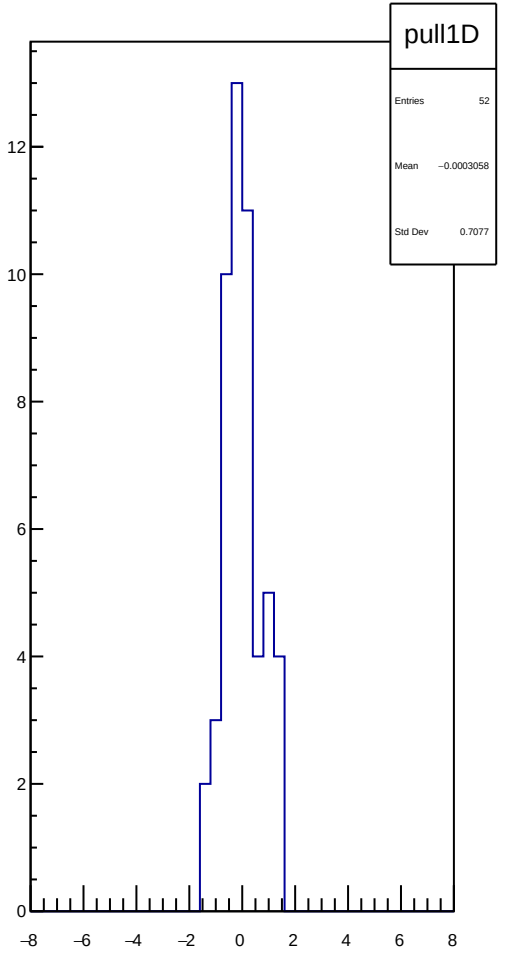

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.337 / 51
p0 −276.3 ± 7.467
pull
Entries 52
Mean 1038
Std Dev 1019
pull1D
Entries 52
Mean 0.001396
Std Dev 0.3756

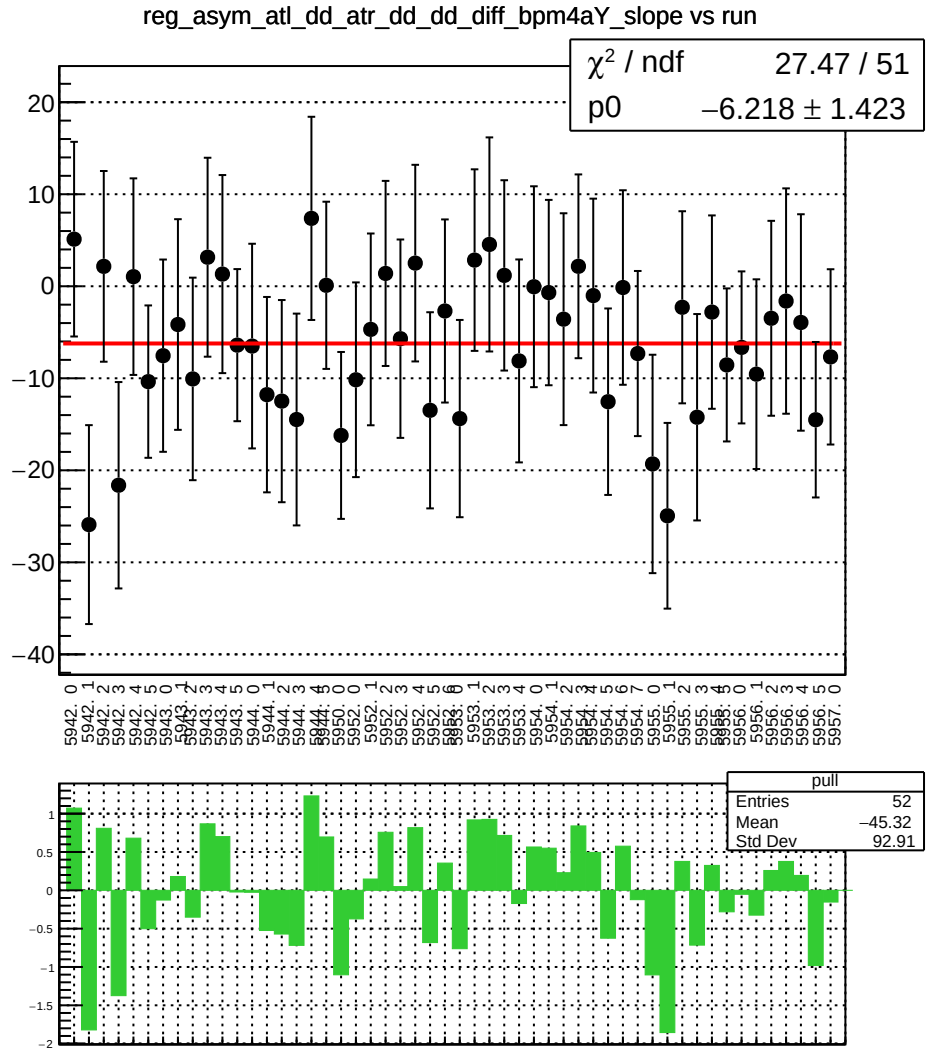

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.3 / 51
p0 −81.63 ± 3.403
pull
Entries 52
Mean 405.3
Std Dev 375.9

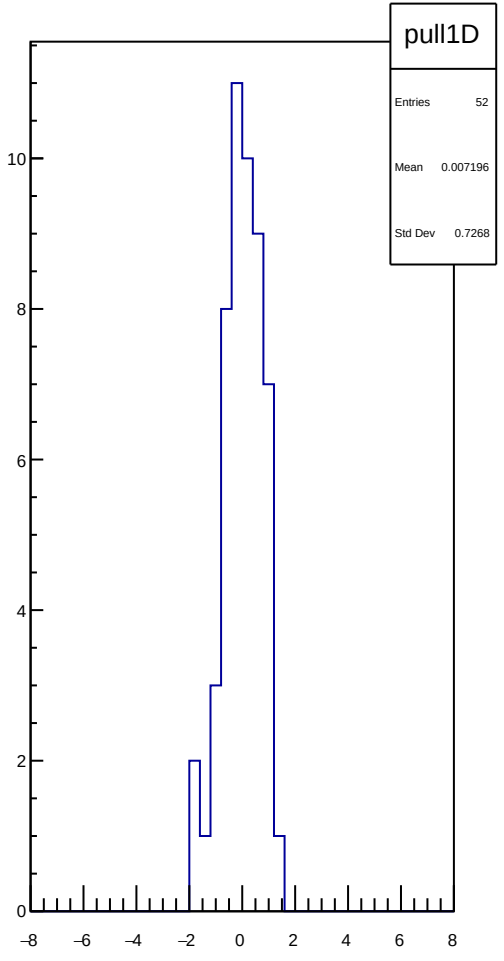

pull1D
Entries 52
Mean −0.003527
Std Dev 0.4451

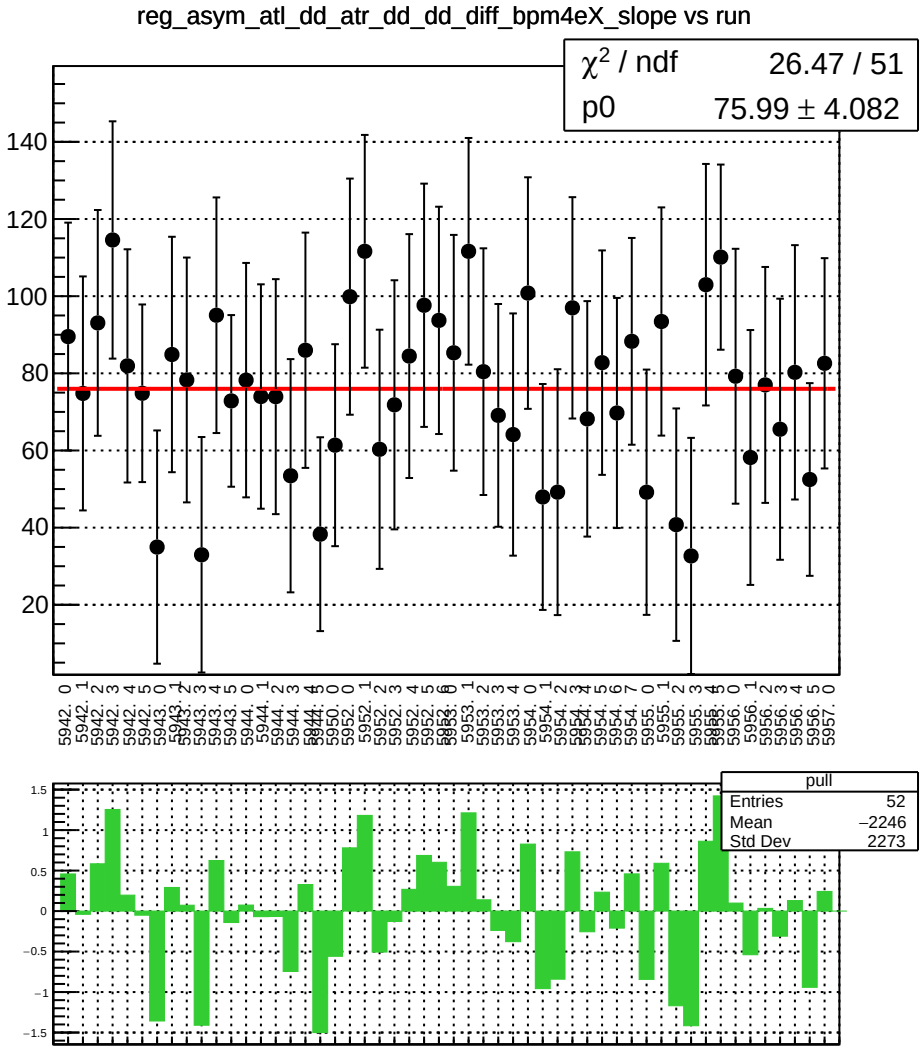

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.11 / 51
p0 97.59 ± 0.3102
pull
Entries 52
Mean −9.107
Std Dev 50.69
pull1D
Entries 52
Mean 0.00763
Std Dev 0.5021

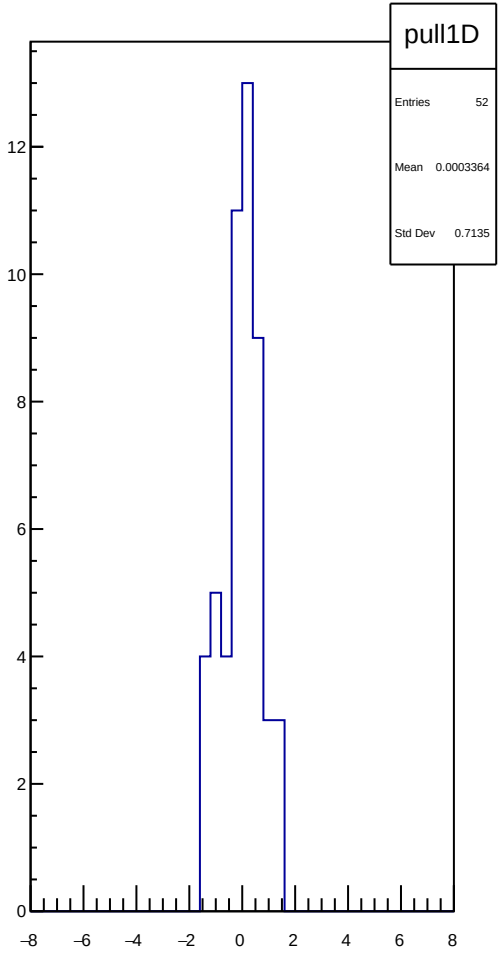

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 26.05 / 51
p0 −6.55 ± 3.847
pull
Entries 52
Mean −2500
Std Dev 2526

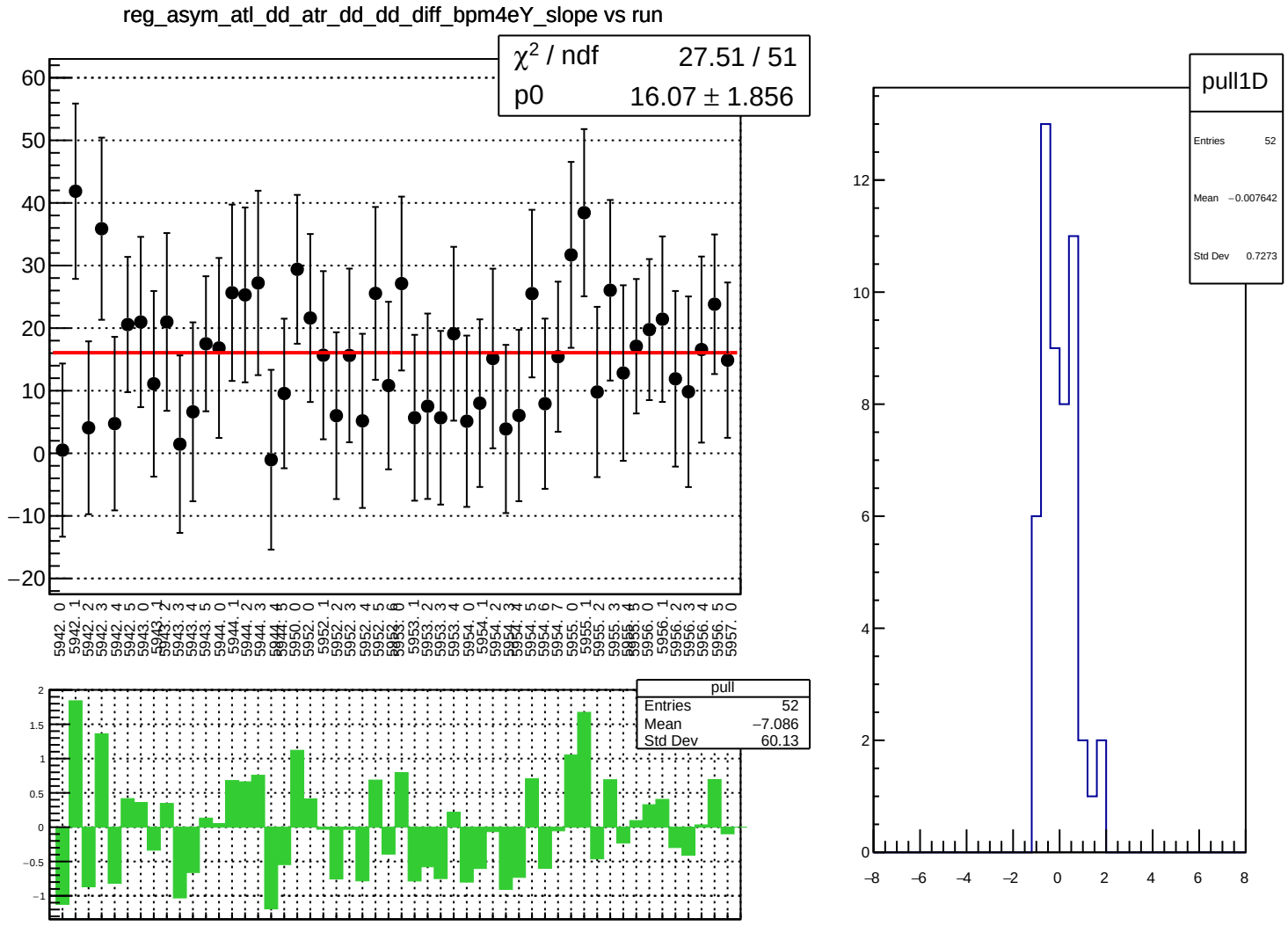

pull1D
Entries 52
Mean −0.0003058
Std Dev 0.7077

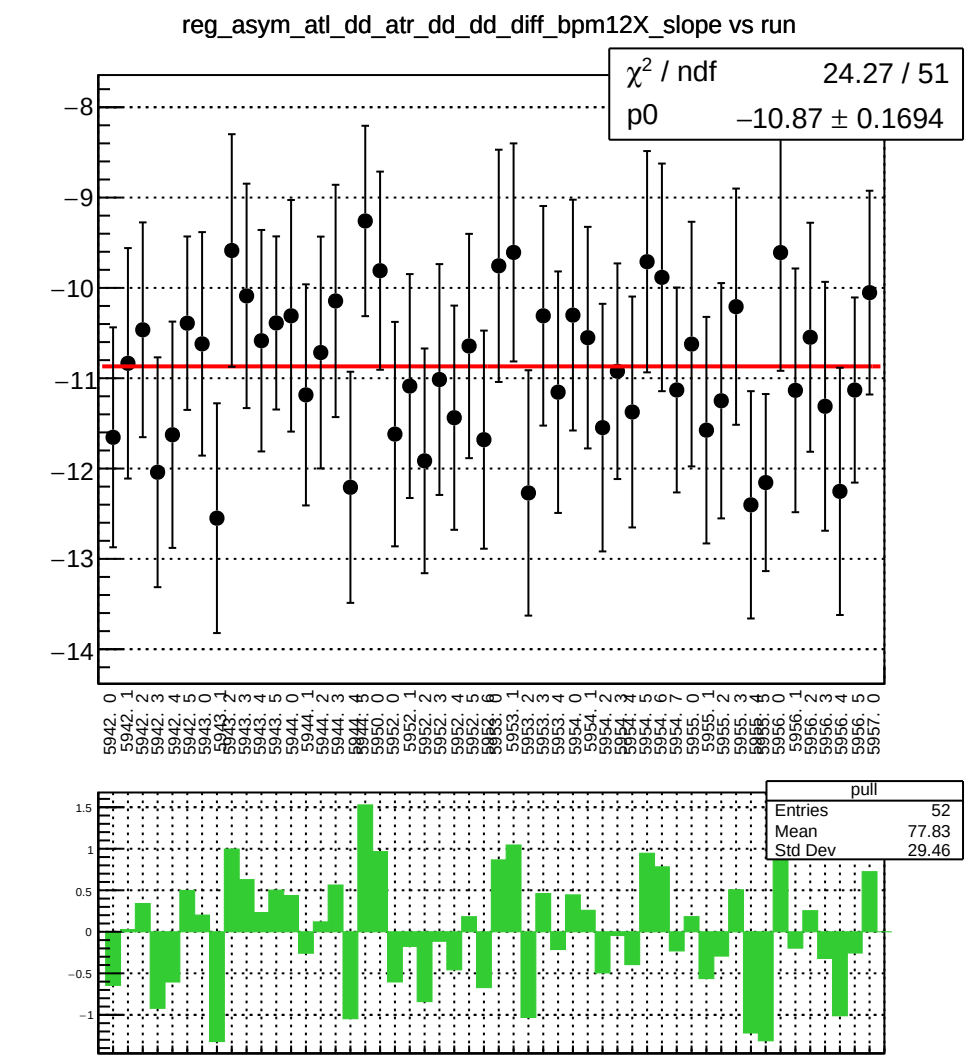

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.47 / 51
p0 −6.218 ± 1.423
pull
Entries 52
Mean −45.32
Std Dev 92.91

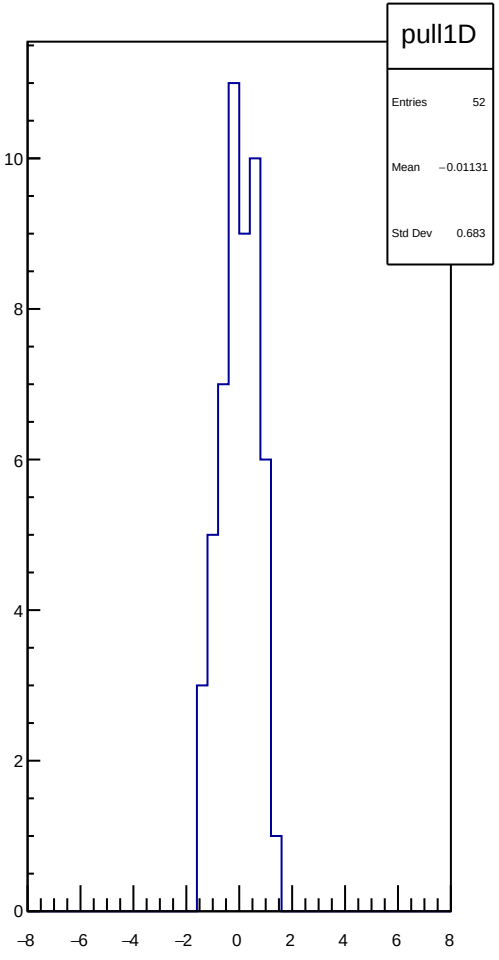

pull1D
Entries 52
Mean 0.007196
Std Dev 0.7268

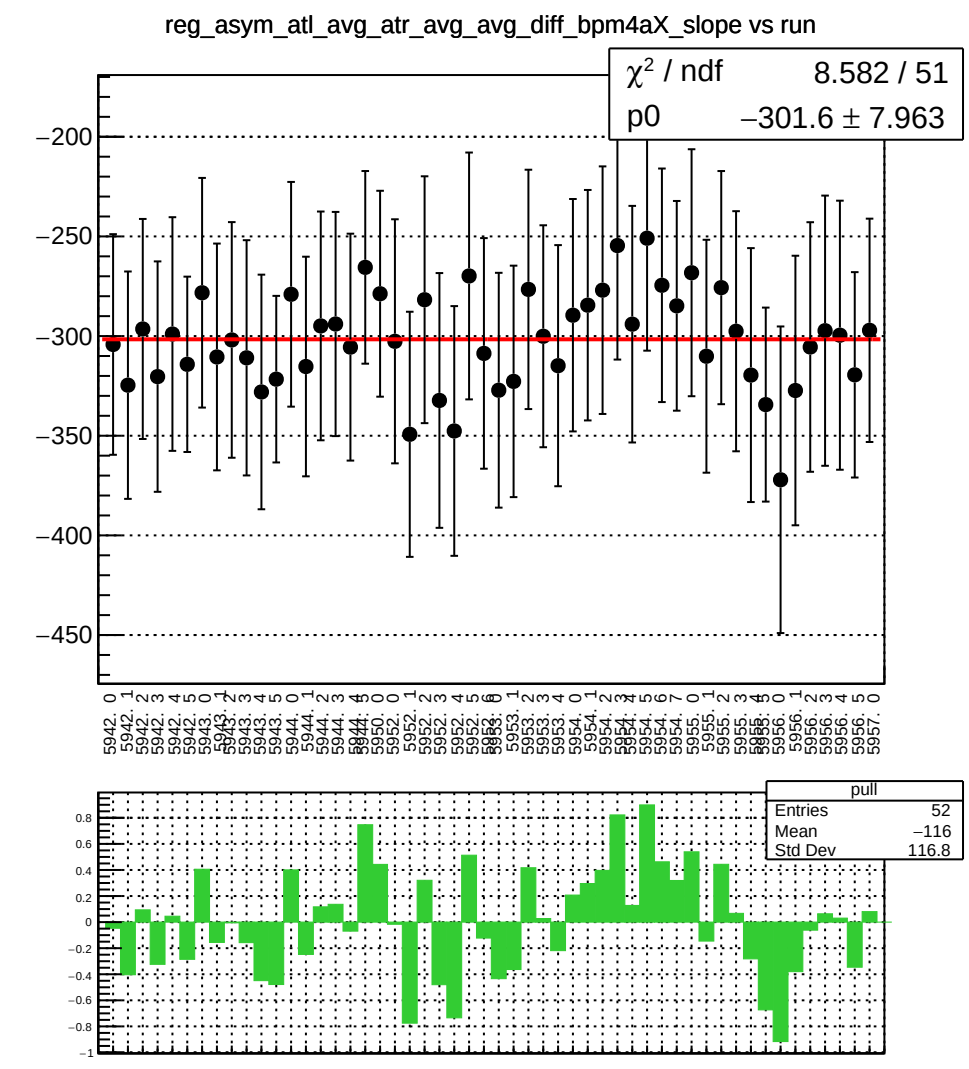

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.47 / 51
p0 75.99 ± 4.082
pull
Entries 52
Mean −2246
Std Dev 2273

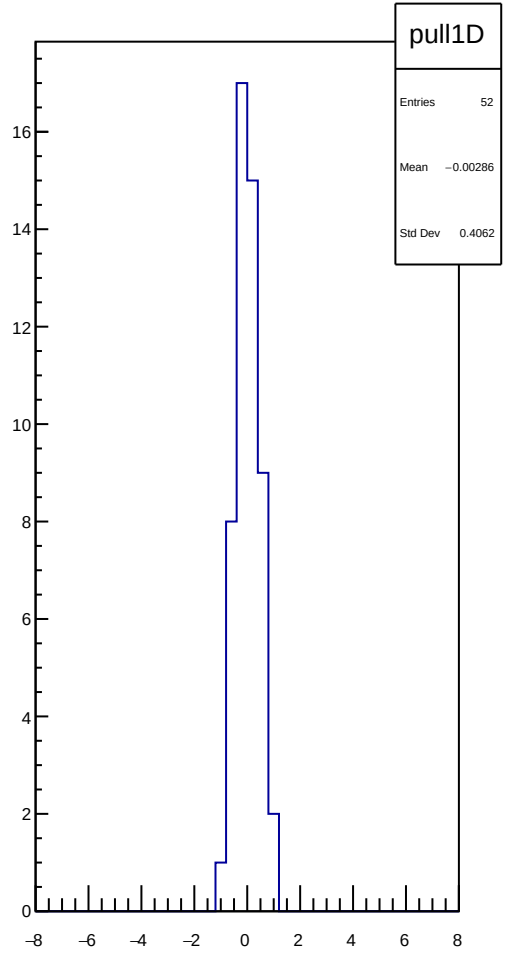

pull1D
Entries 52
Mean 0.0003364
Std Dev 0.7135

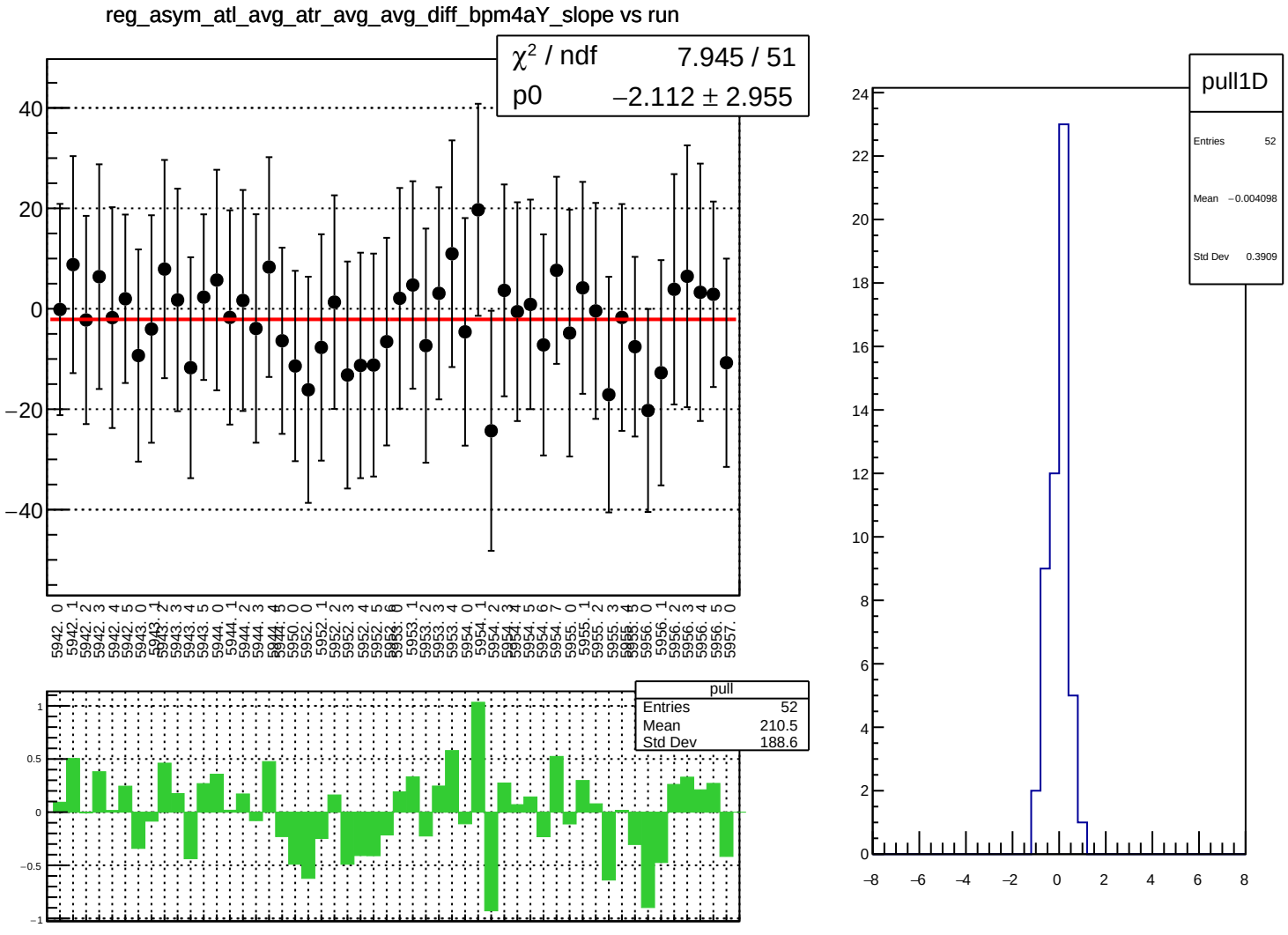

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.51 / 51
p0 16.07 ± 1.856
pull
Entries 52
Mean −7.086
Std Dev 60.13
pull1D
Entries 52
Mean −0.007642
Std Dev 0.7273

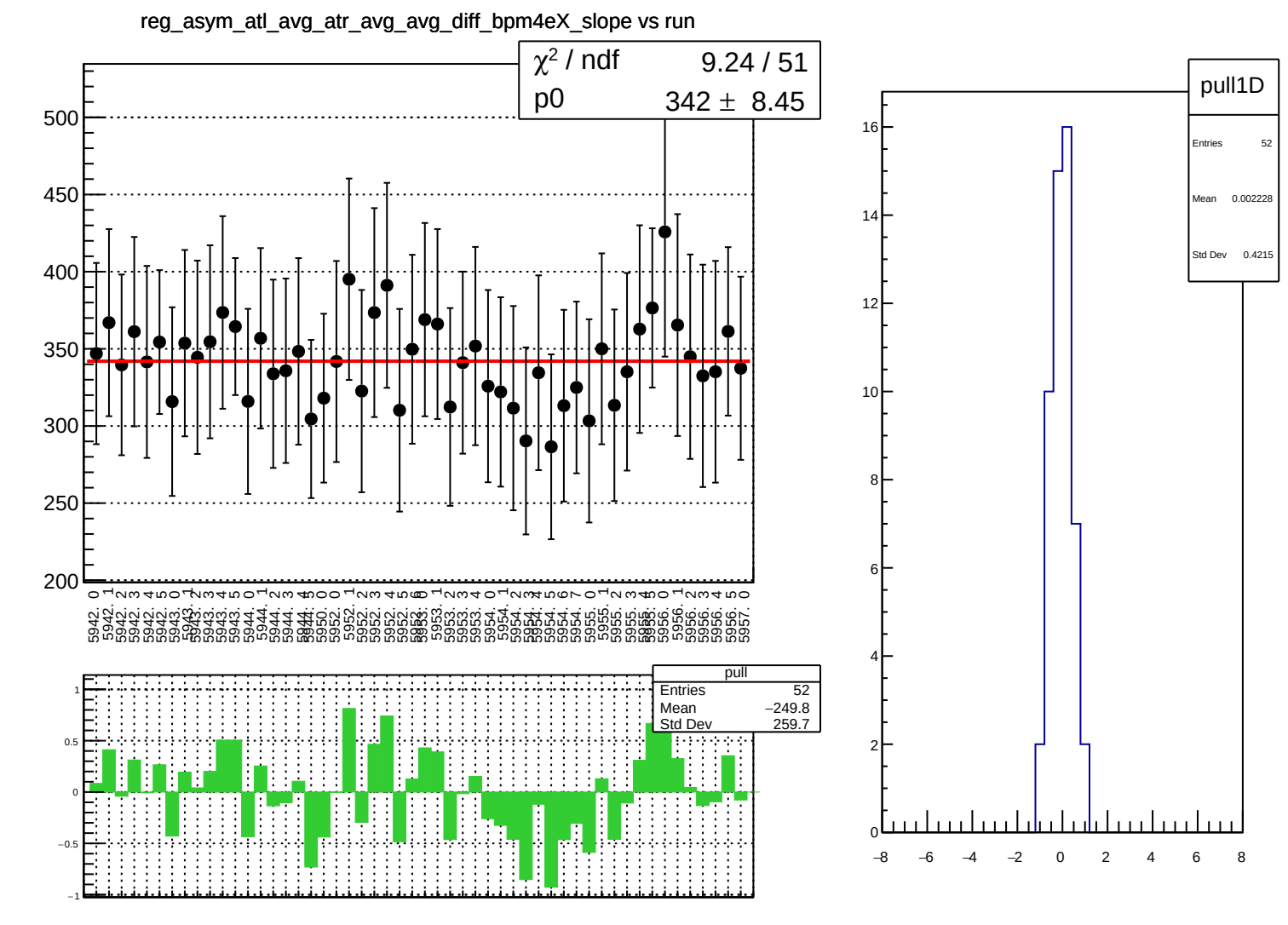

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 24.27 / 51
p0 −10.87 ± 0.1694
pull
Entries 52
Mean 77.83
Std Dev 29.46

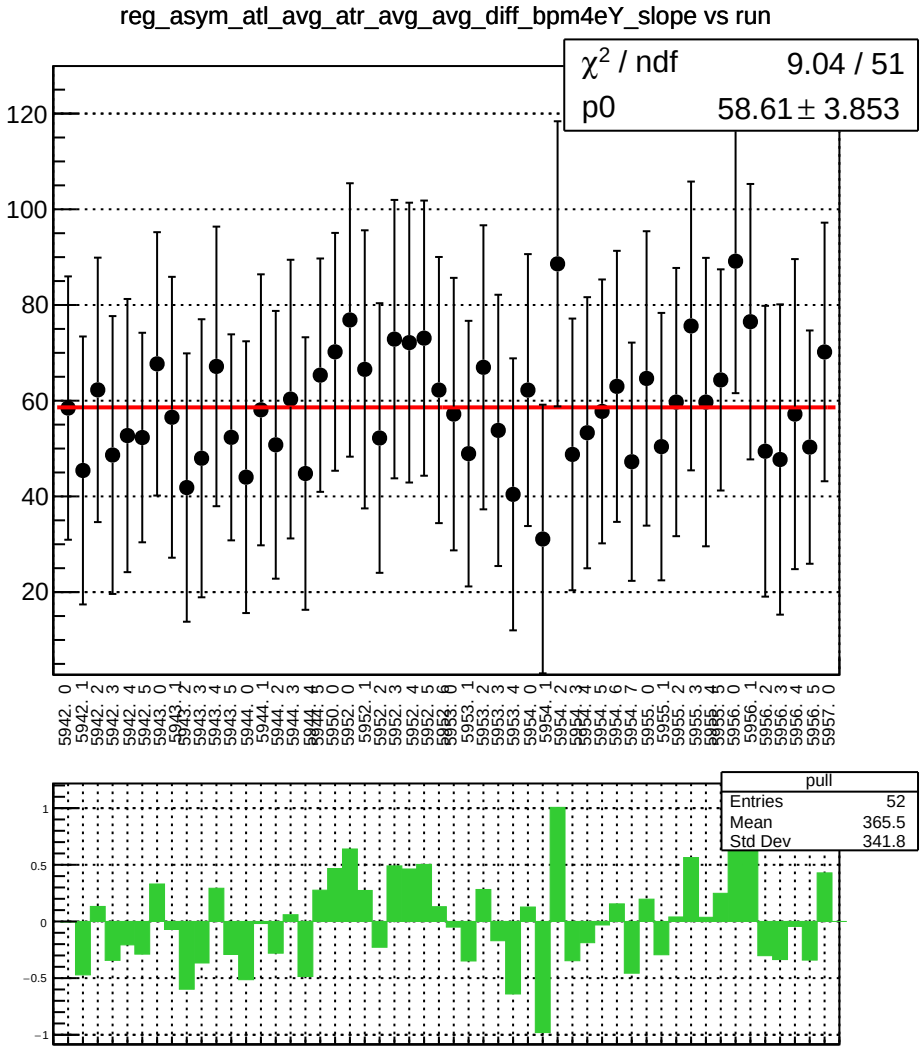

pull1D
Entries 52
Mean −0.01131
Std Dev 0.683

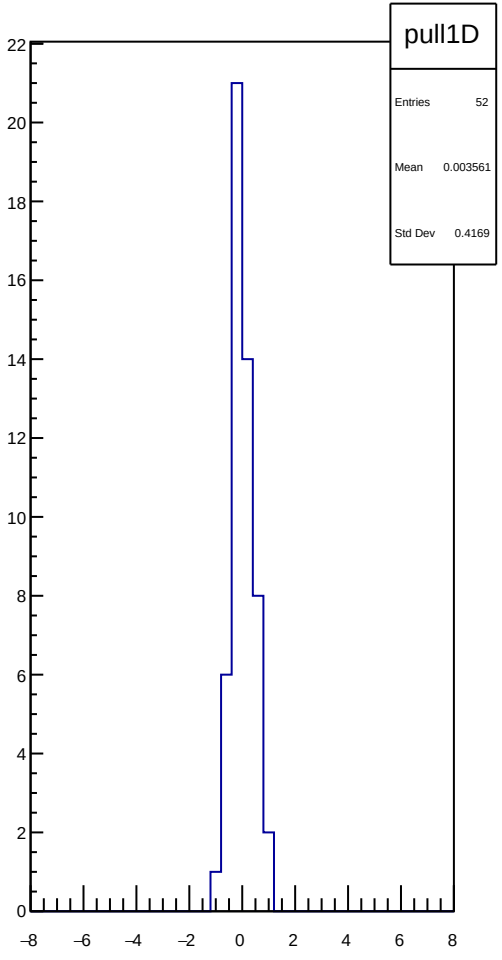

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.582 / 51
p0 −301.6 ± 7.963
pull
Entries 52
Mean −116
Std Dev 116.8

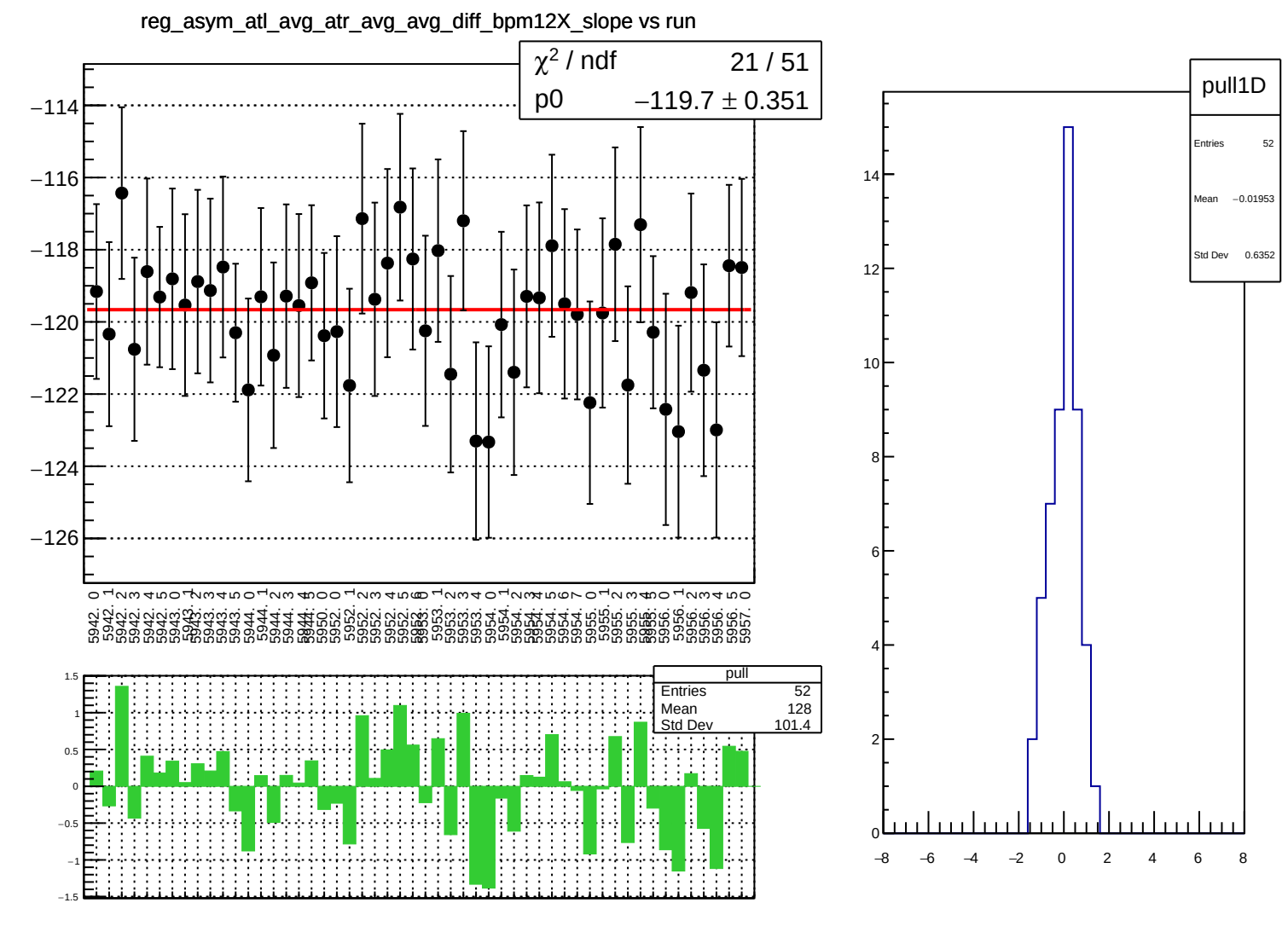

pull1D
Entries 52
Mean −0.00286
Std Dev 0.4062

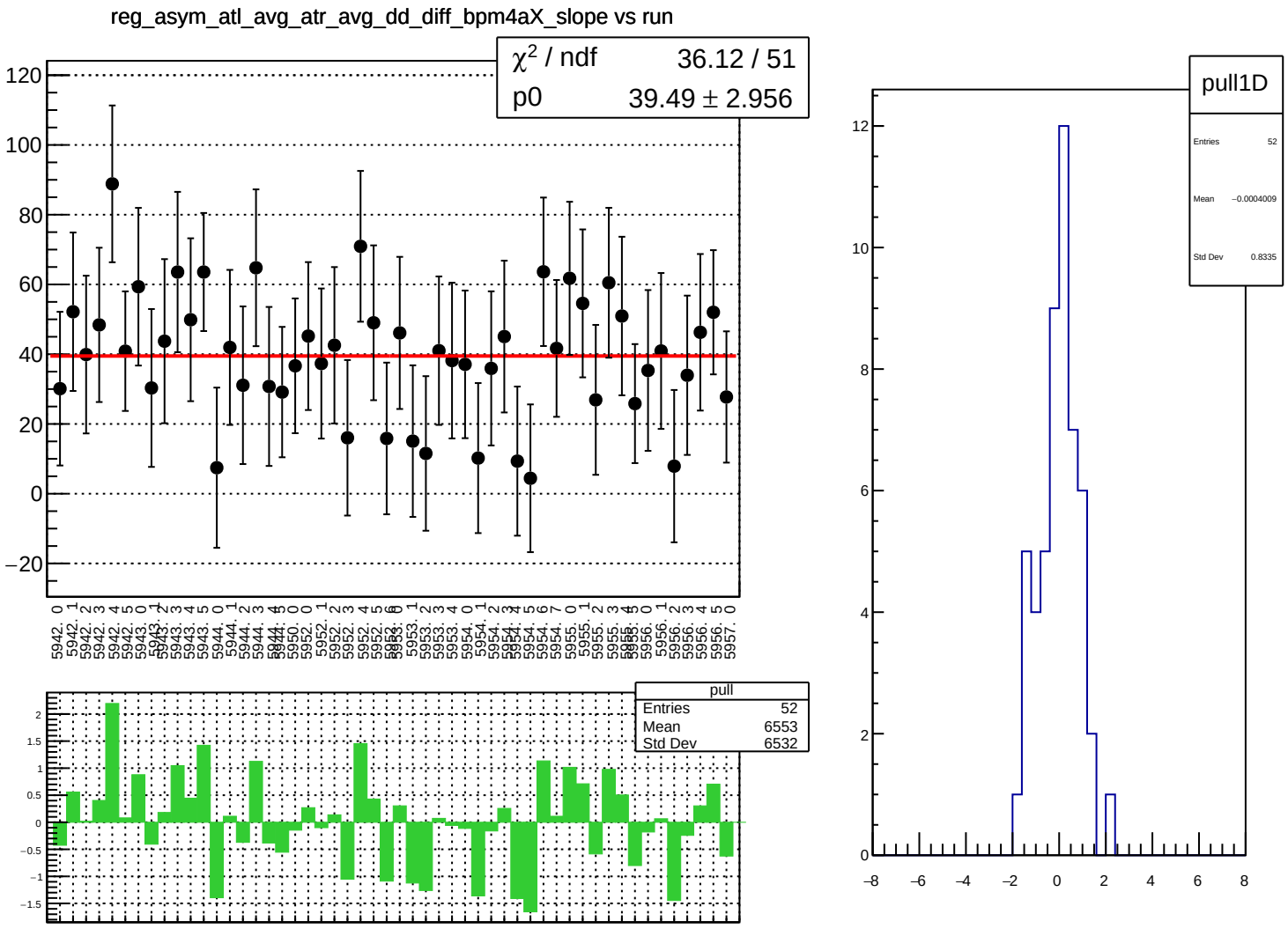

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.945 / 51
p0 −2.112 ± 2.955
pull
Entries 52
Mean 210.5
Std Dev 188.6
pull1D
Entries 52
Mean −0.004098
Std Dev 0.3909

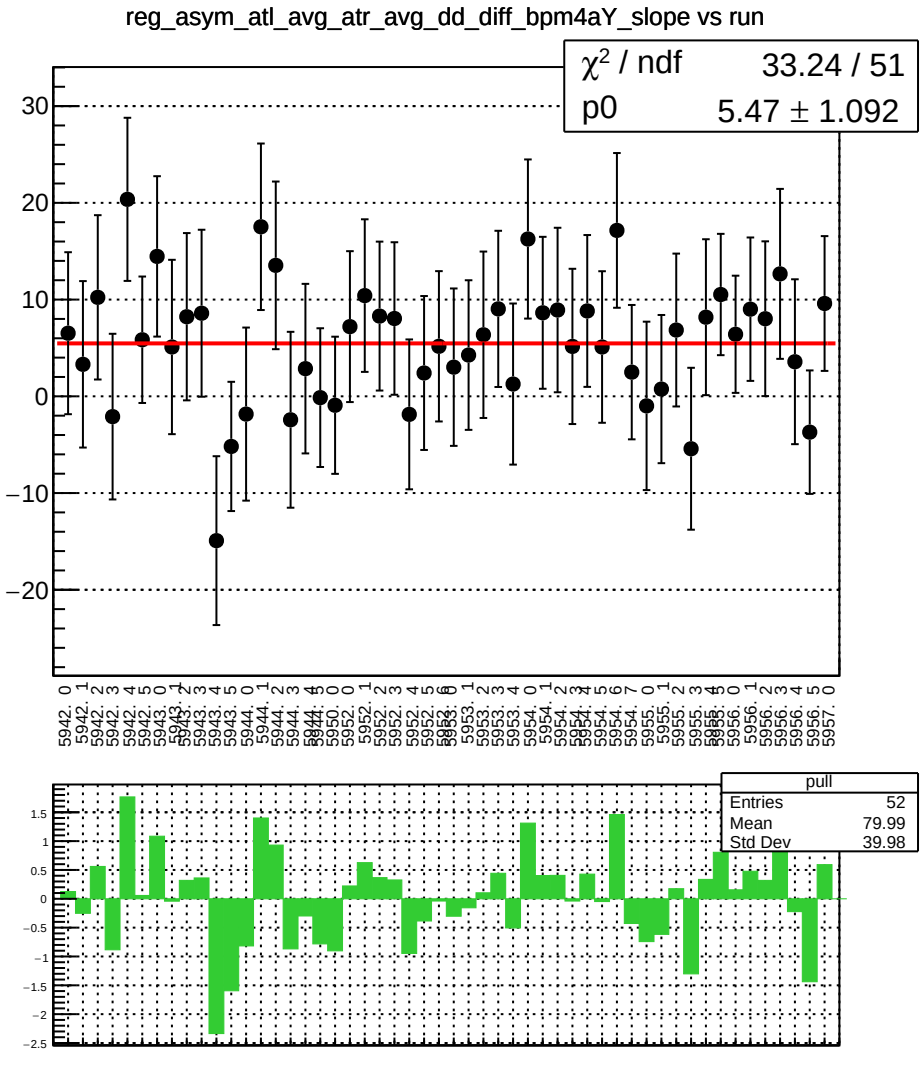

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.24 / 51
p0 342 ± 8.45
pull
Entries 52
Mean −249.8
Std Dev 259.7
pull1D
Entries 52
Mean 0.002228
Std Dev 0.4215

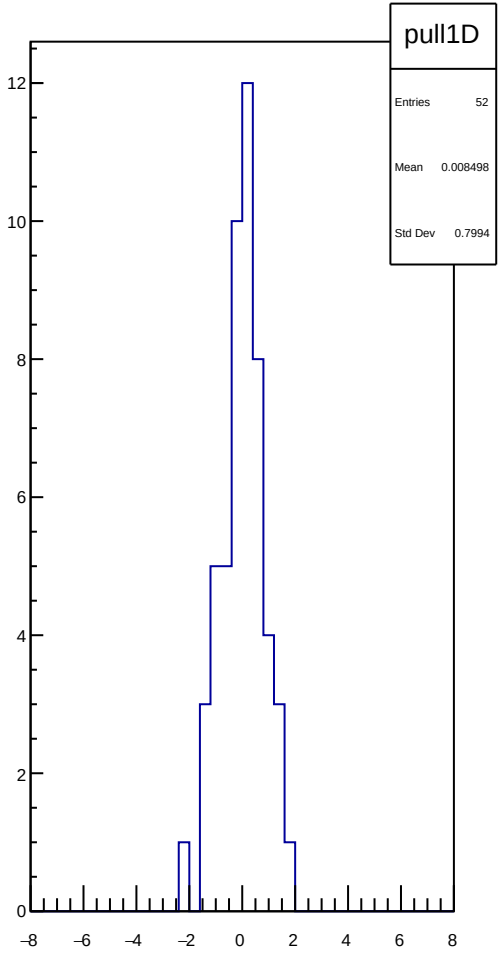

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.04 / 51
p0 58.61 ± 3.853
pull
Entries 52
Mean 365.5
Std Dev 341.8

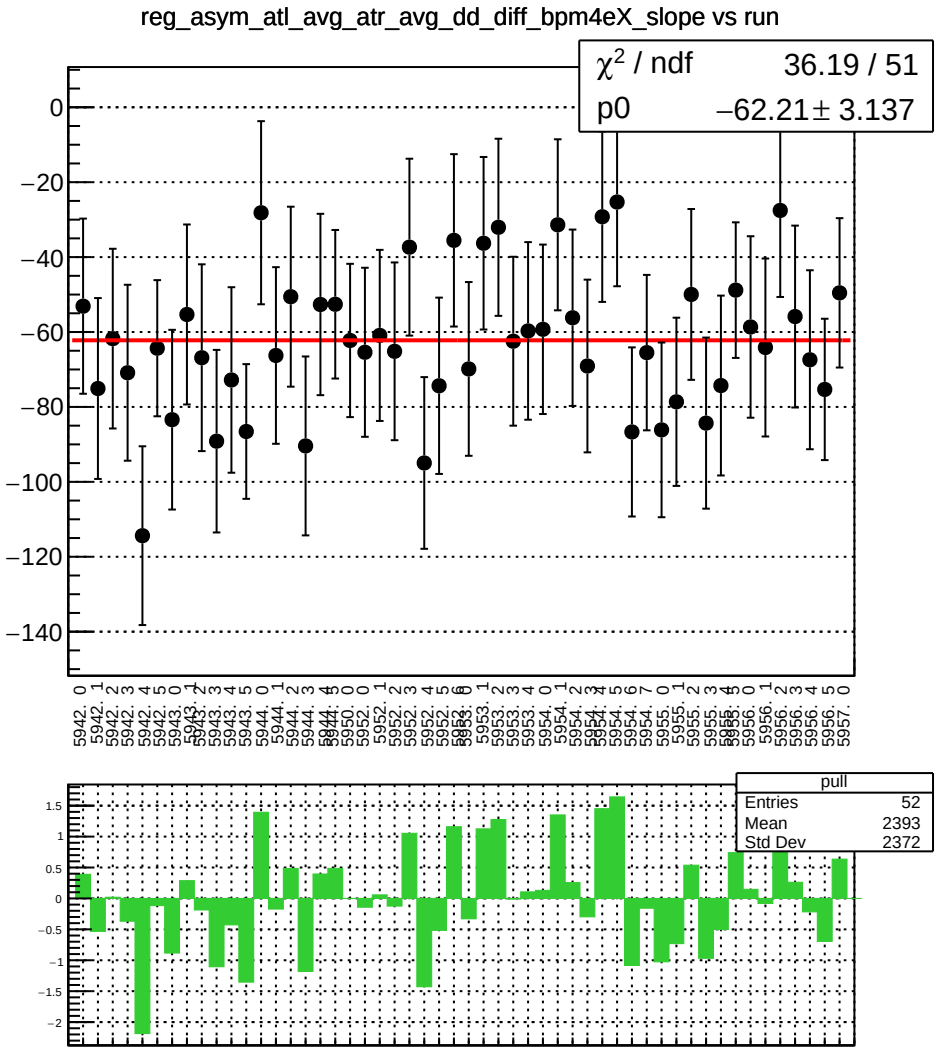

pull1D
Entries 52
Mean 0.003561
Std Dev 0.4169

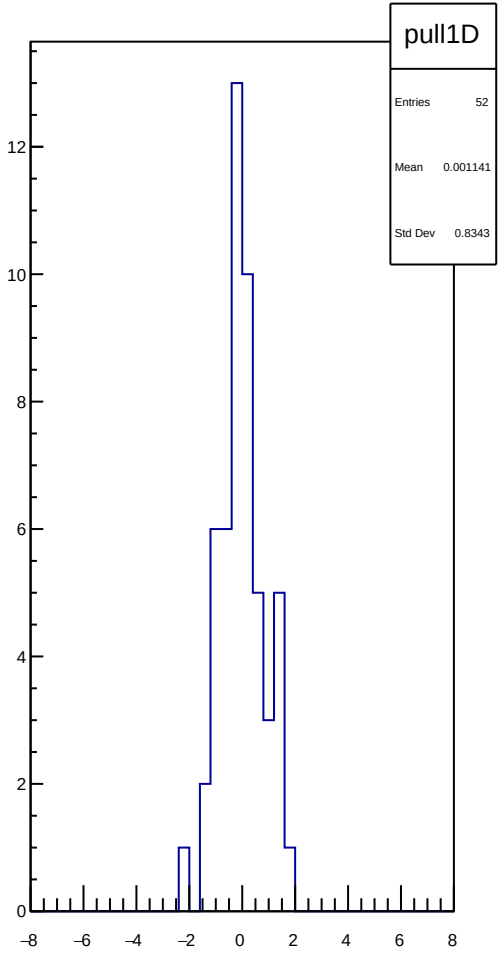

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 21 / 51
p0 −119.7 ± 0.351
pull
Entries 52
Mean 128
Std Dev 101.4
pull1D
Entries 52
Mean −0.01953
Std Dev 0.6352

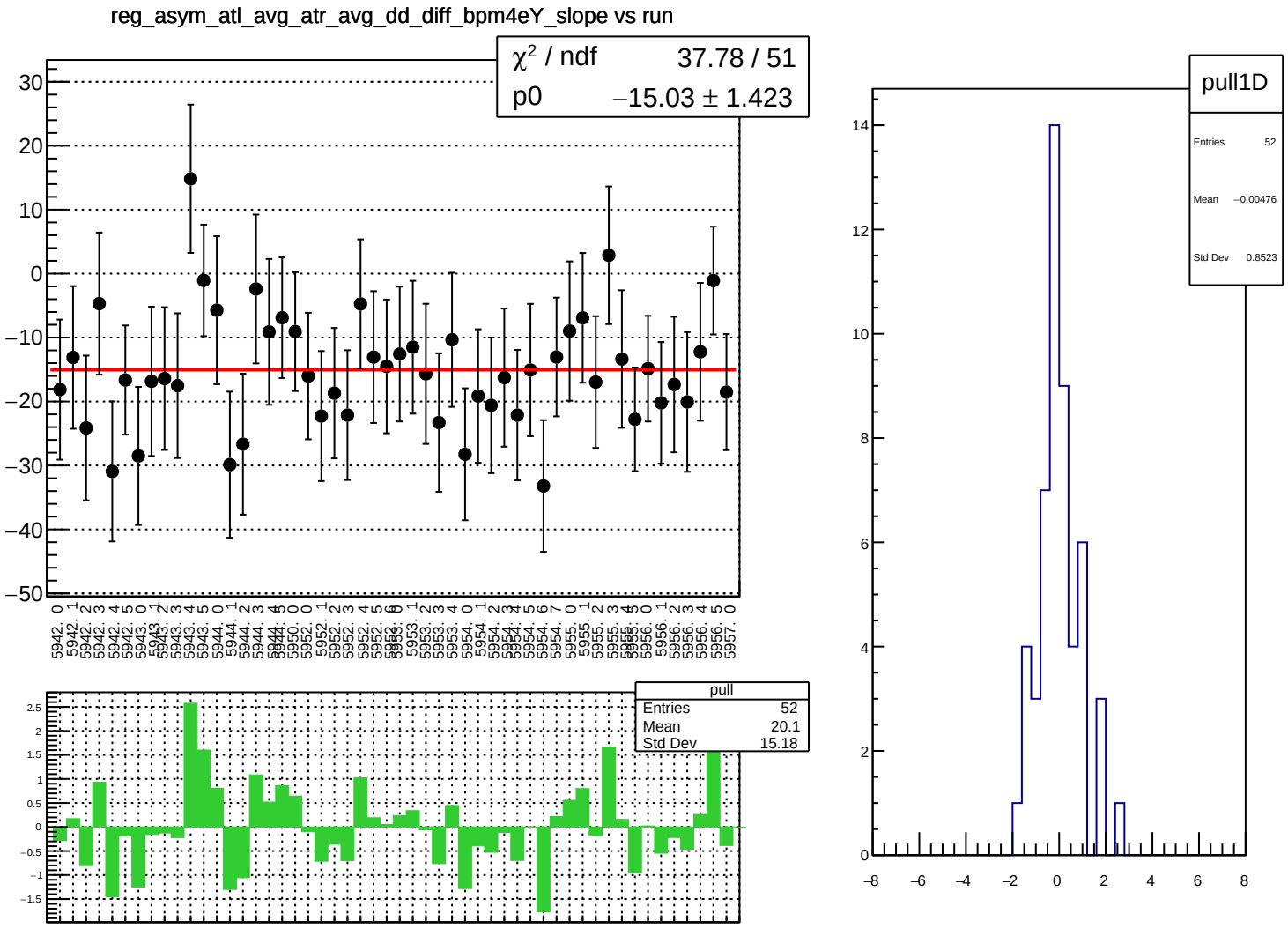

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.12 / 51
p0 39.49 ± 2.956
pull
Entries 52
Mean 6553
Std Dev 6532
pull1D
Entries 52
Mean −0.0004009
Std Dev 0.8335

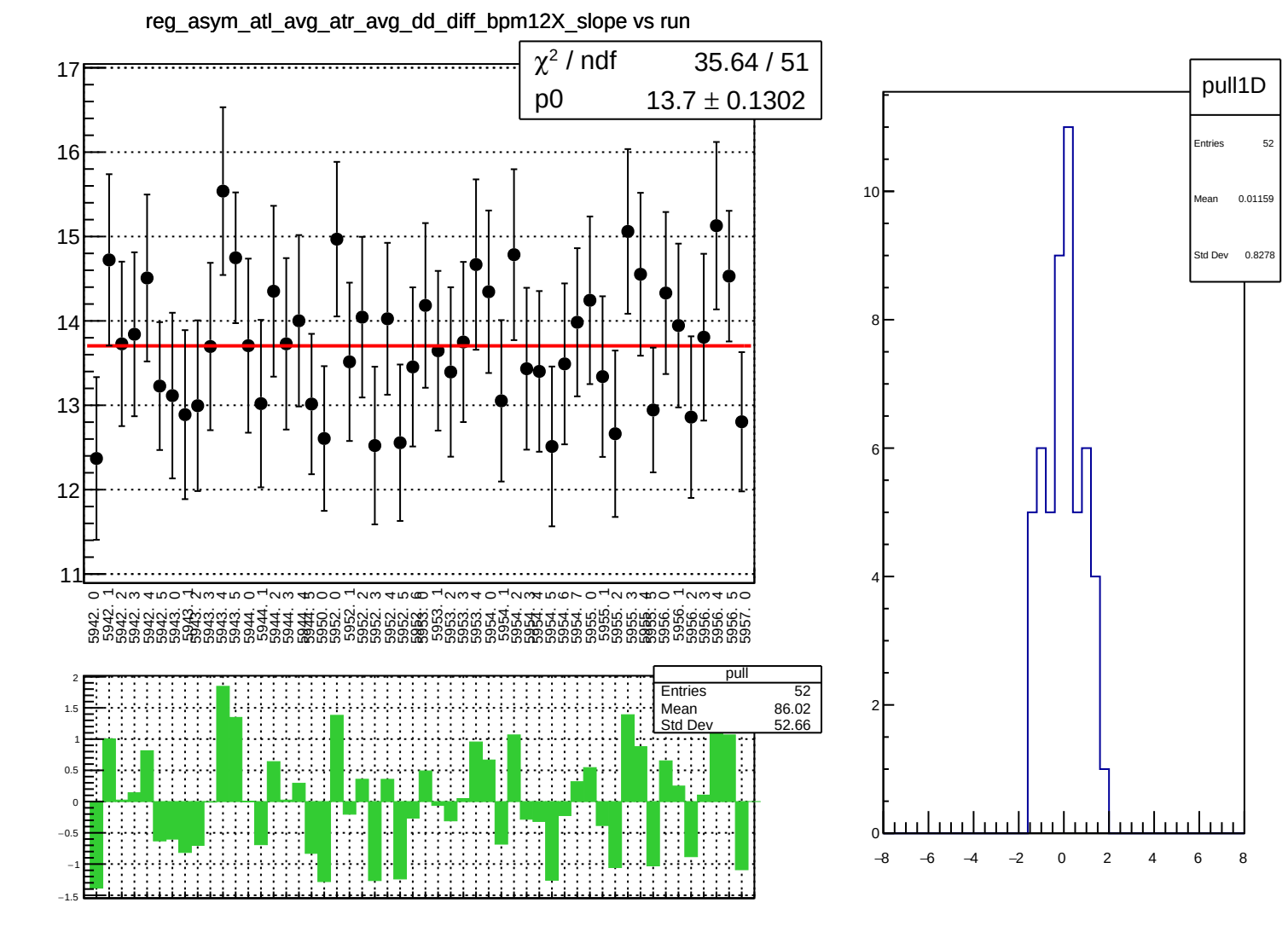

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.24 / 51
p0 5.47 ± 1.092
pull
Entries 52
Mean 79.99
Std Dev 39.98

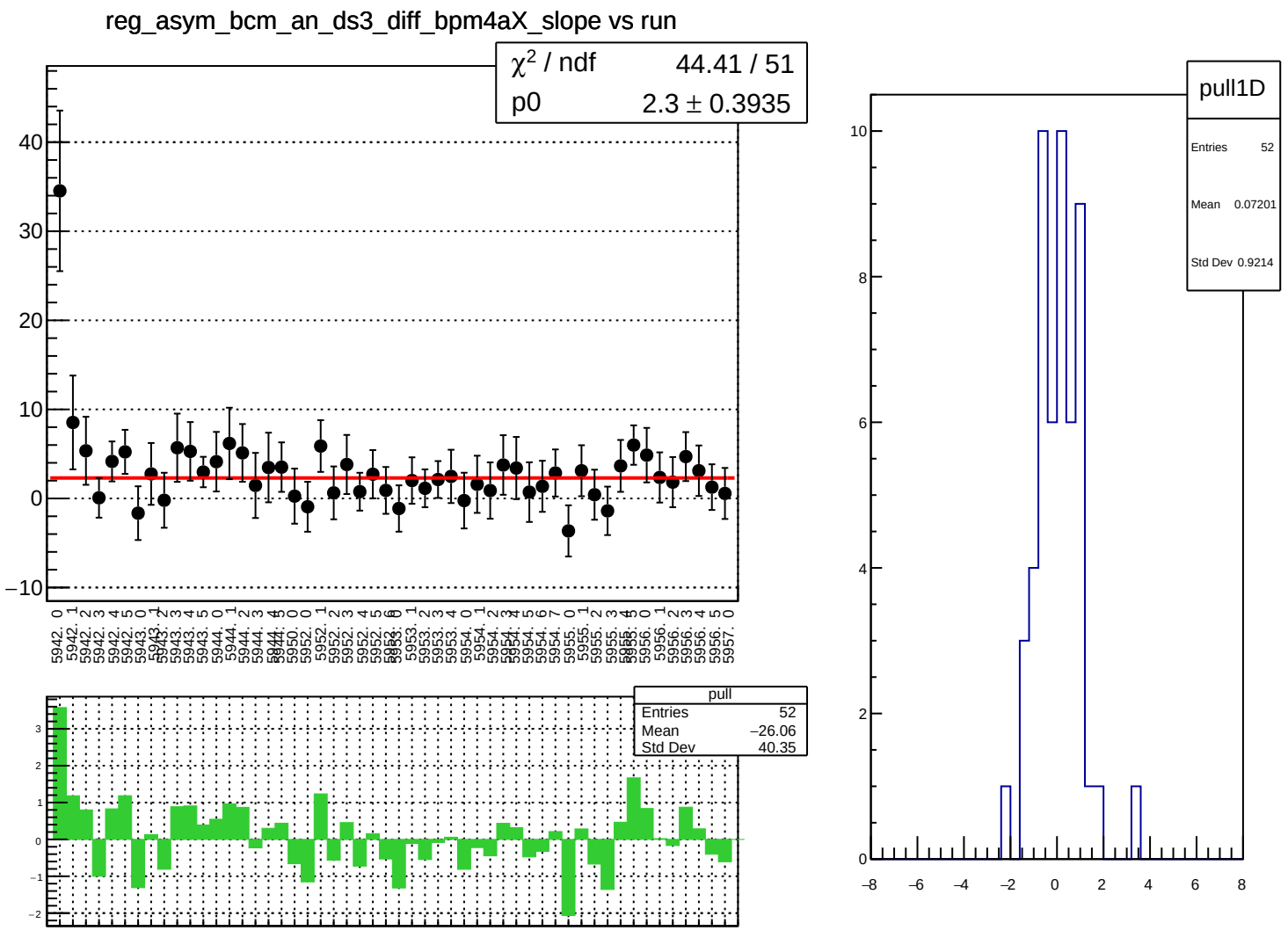

pull1D
Entries 52
Mean 0.008498
Std Dev 0.7994

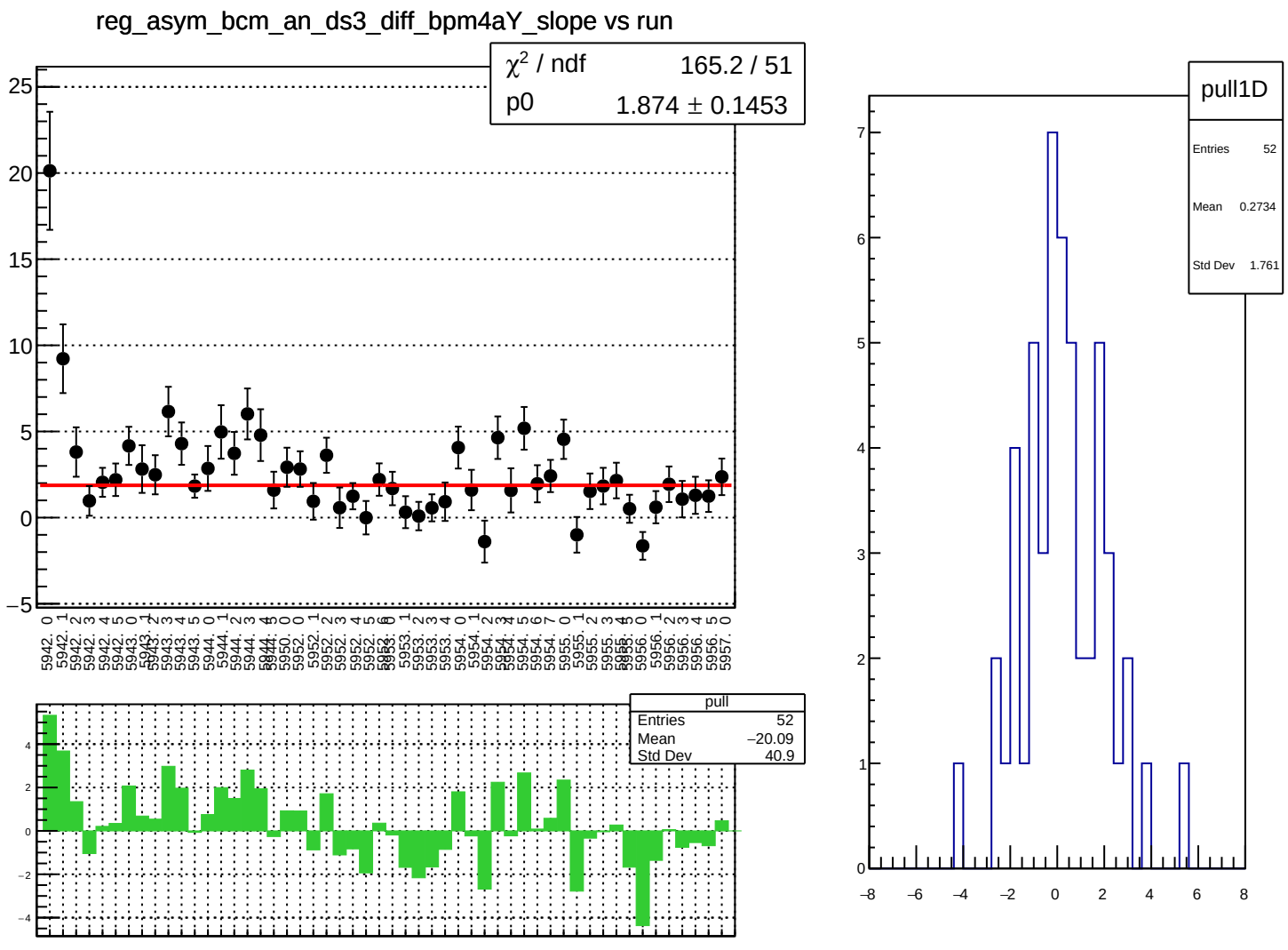

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.19 / 51
p0 −62.21 ± 3.137
pull
Entries 52
Mean 2393
Std Dev 2372

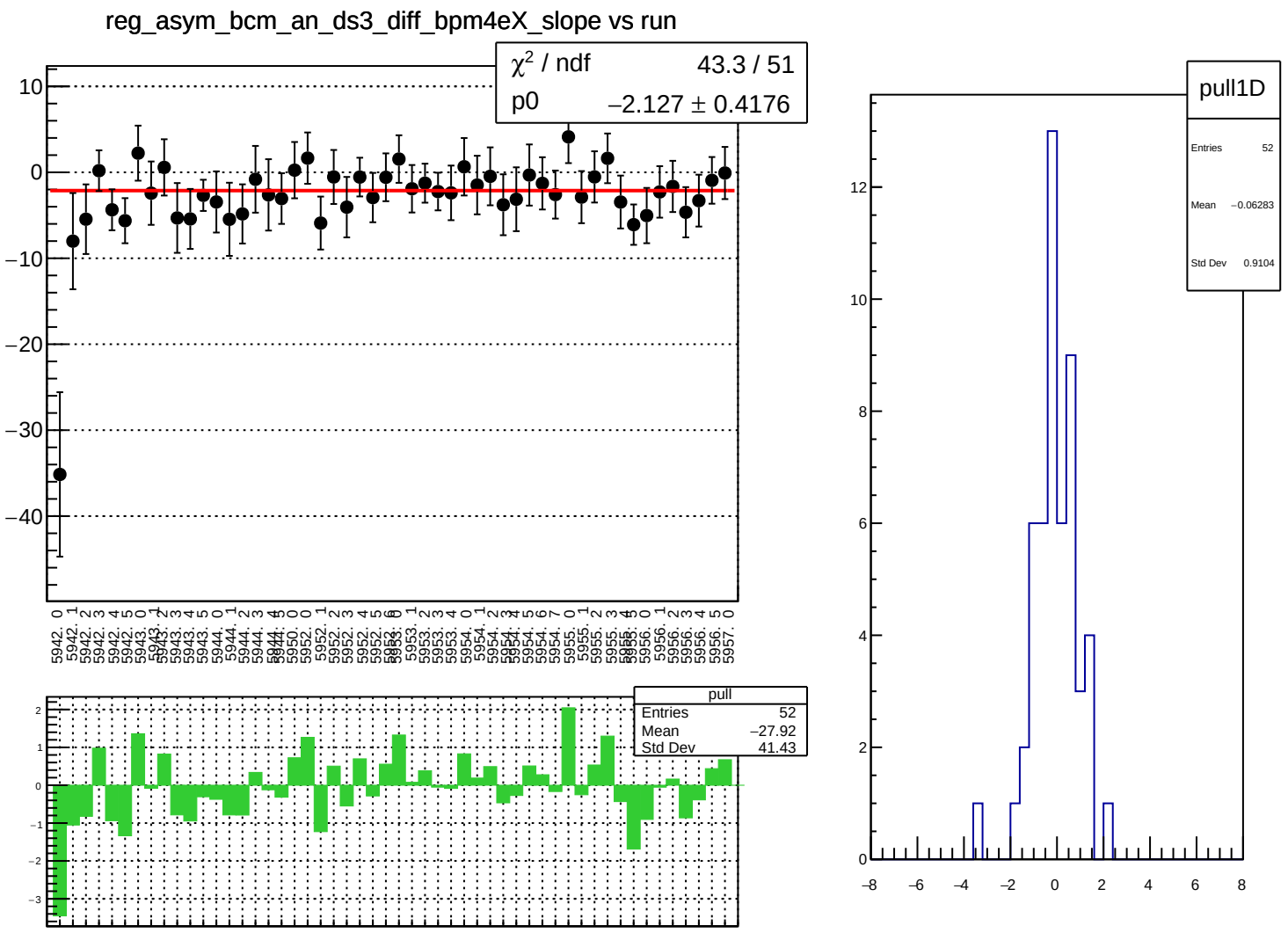

pull1D
Entries 52
Mean 0.001141
Std Dev 0.8343

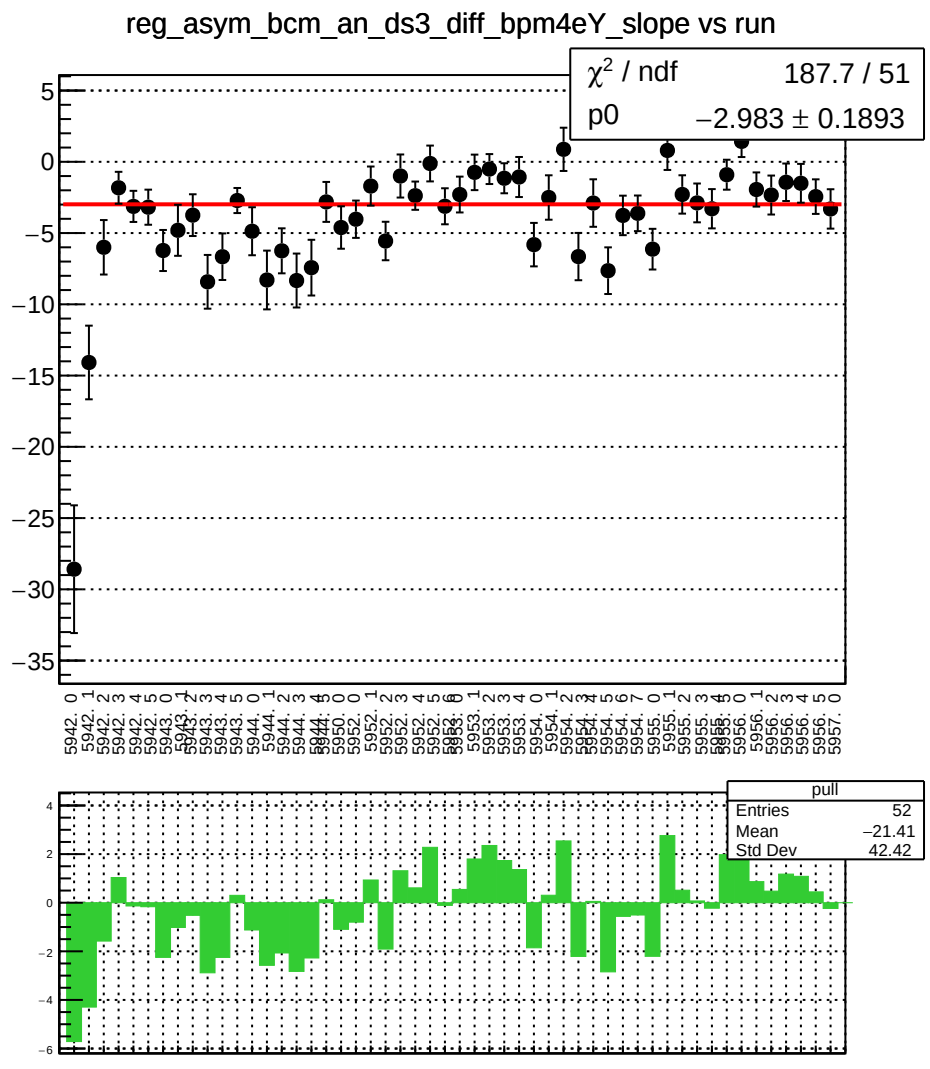

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.78 / 51
p0 −15.03 ± 1.423
pull
Entries 52
Mean 20.1
Std Dev 15.18
pull1D
Entries 52
Mean −0.00476
Std Dev 0.8523

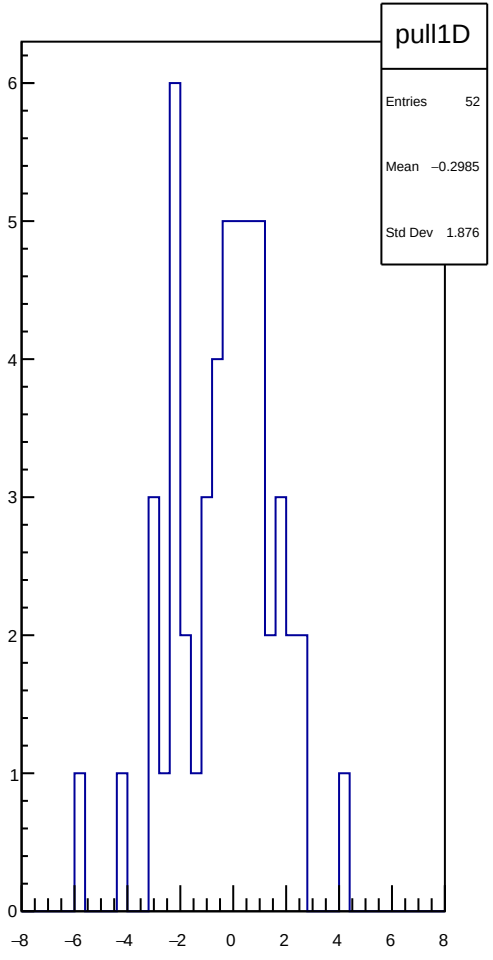

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 35.64 / 51
p0 13.7 ± 0.1302
pull
Entries 52
Mean 86.02
Std Dev 52.66
pull1D
Entries 52
Mean 0.01159
Std Dev 0.8278

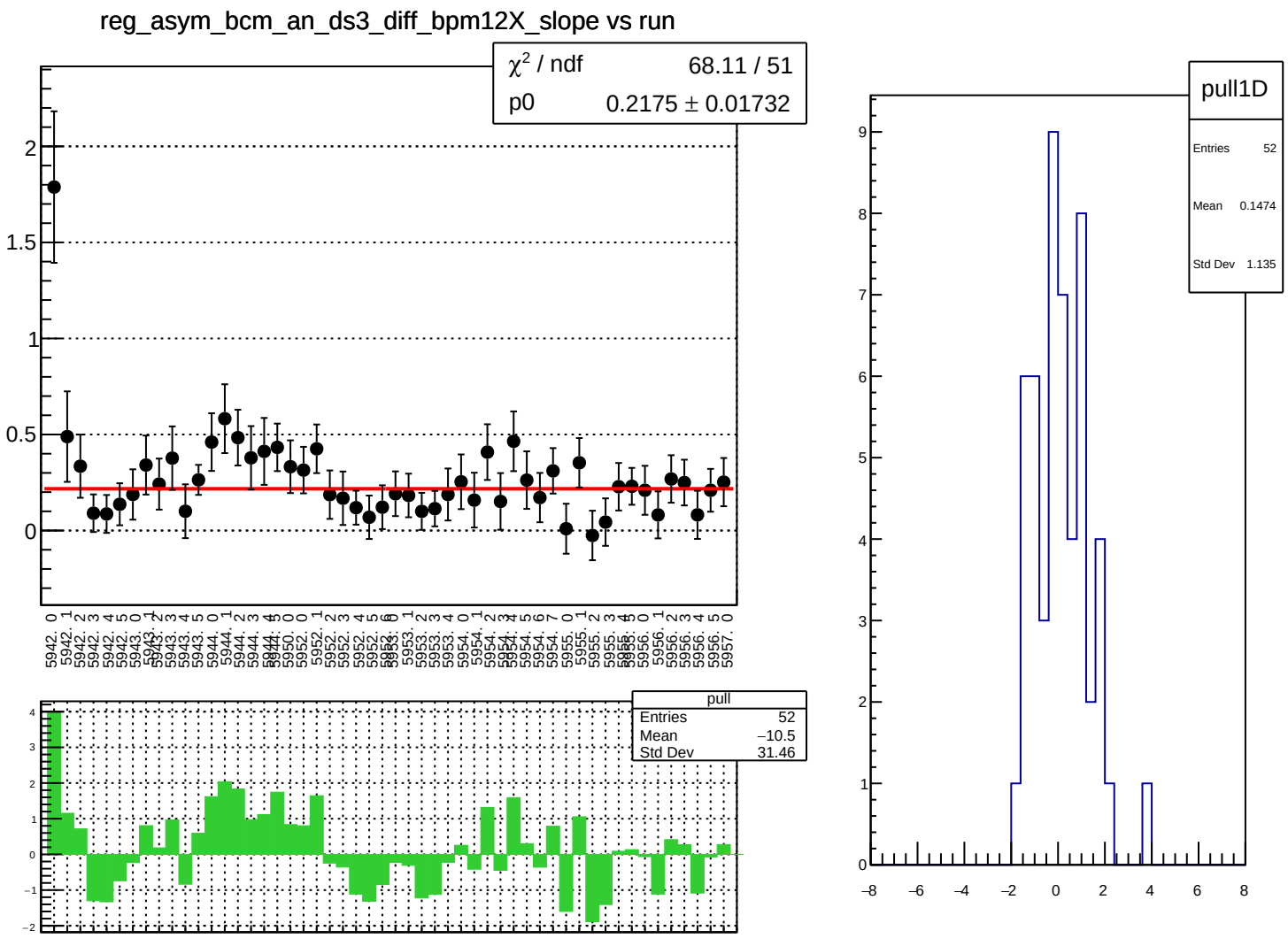

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 44.41 / 51
p0 2.3 ± 0.3935
pull
Entries 52
Mean −26.06
Std Dev 40.35
pull1D
Entries 52
Mean 0.07201
Std Dev 0.9214

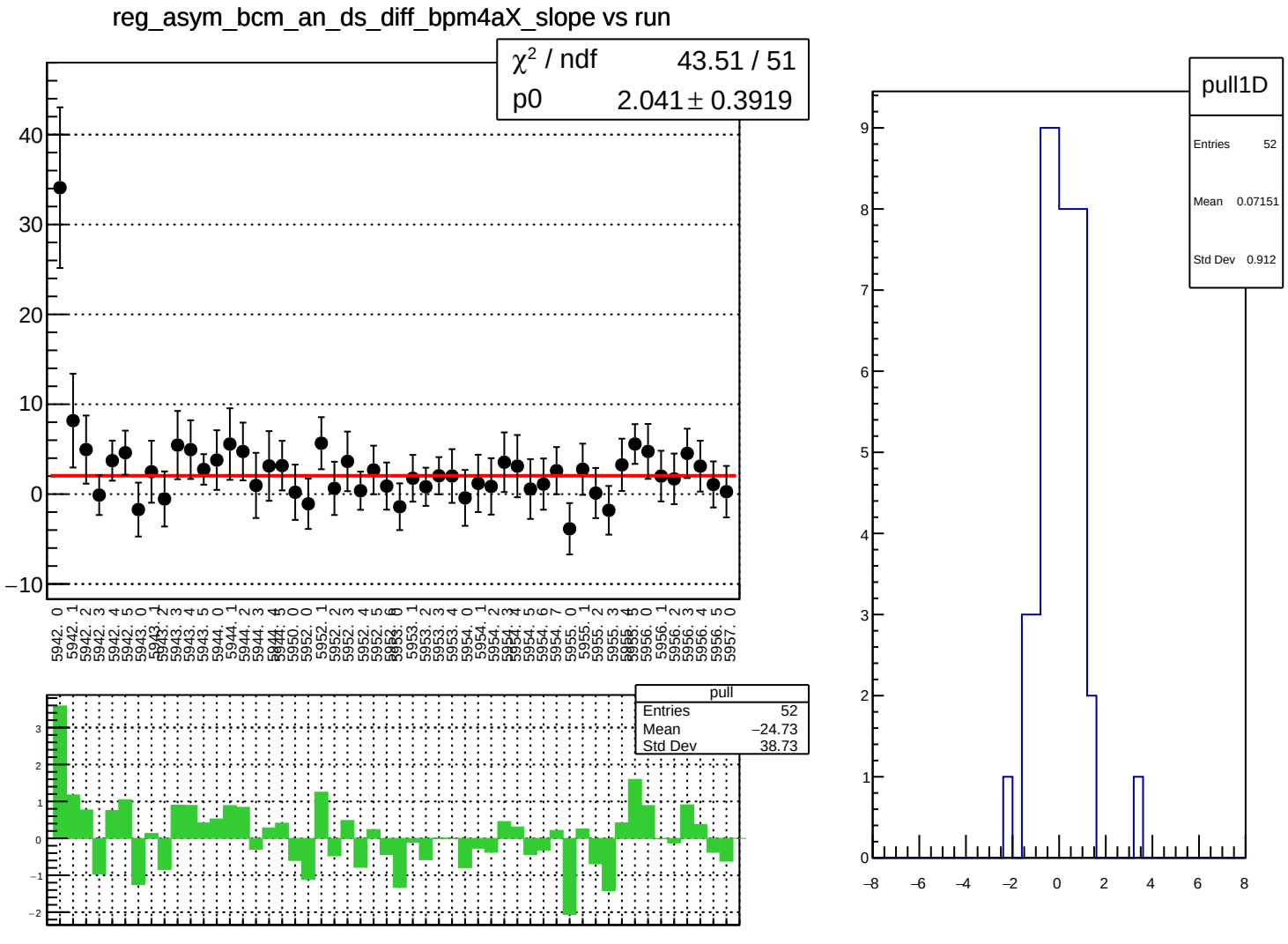

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 165.2 / 51
p0 1.874 ± 0.1453
pull
Entries 52
Mean −20.09
Std Dev 40.9
pull1D
Entries 52
Mean 0.2734
Std Dev 1.761

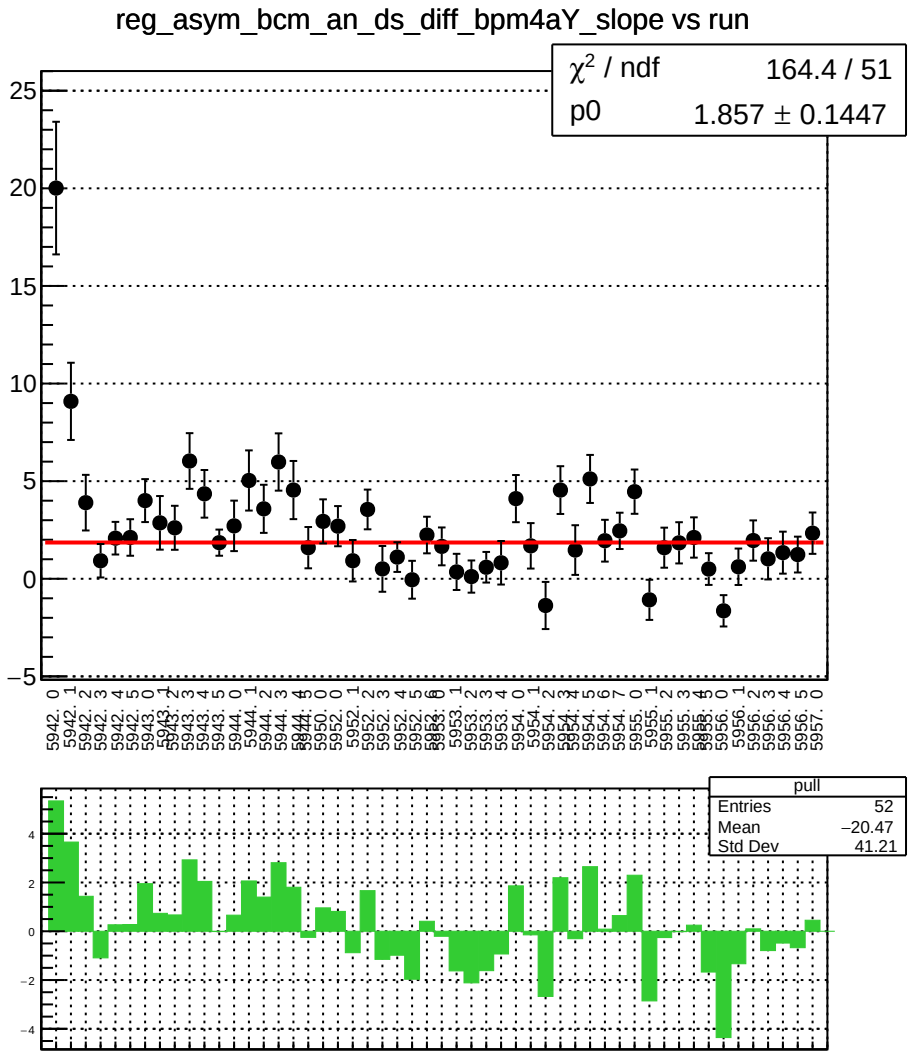

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 43.3 / 51
p0 −2.127 ± 0.4176
pull
Entries 52
Mean −27.92
Std Dev 41.43
pull1D
Entries 52
Mean −0.06283
Std Dev 0.9104

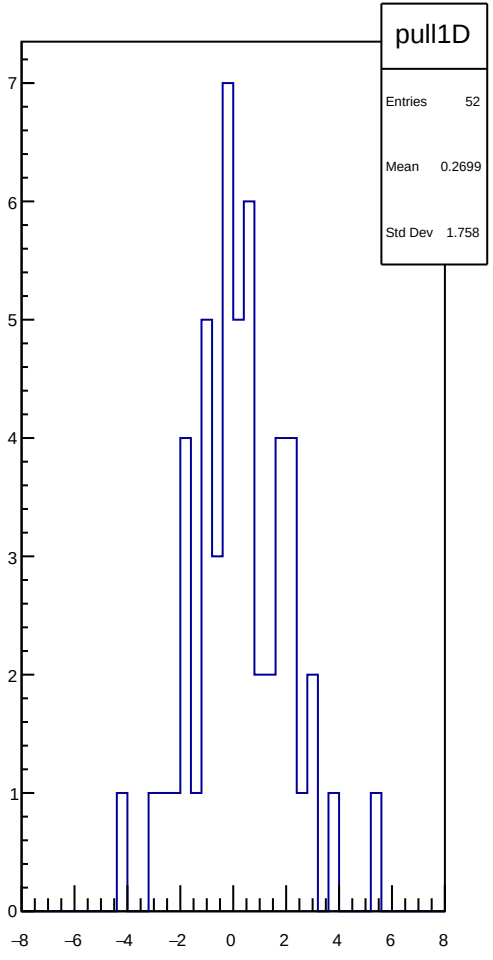

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 187.7 / 51
p0 −2.983 ± 0.1893
pull
Entries 52
Mean −21.41
Std Dev 42.42

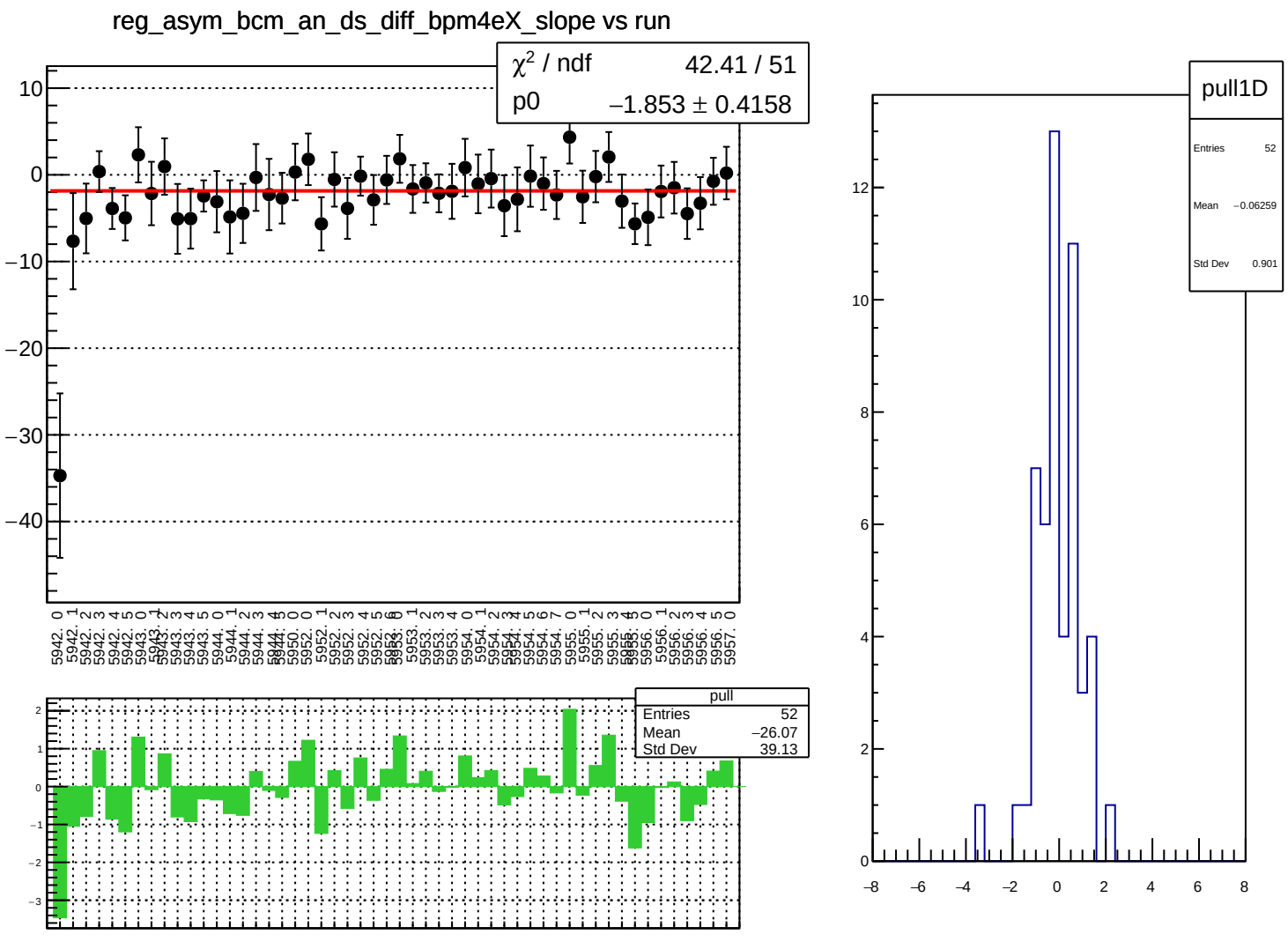

pull1D
Entries 52
Mean −0.2985
Std Dev 1.876

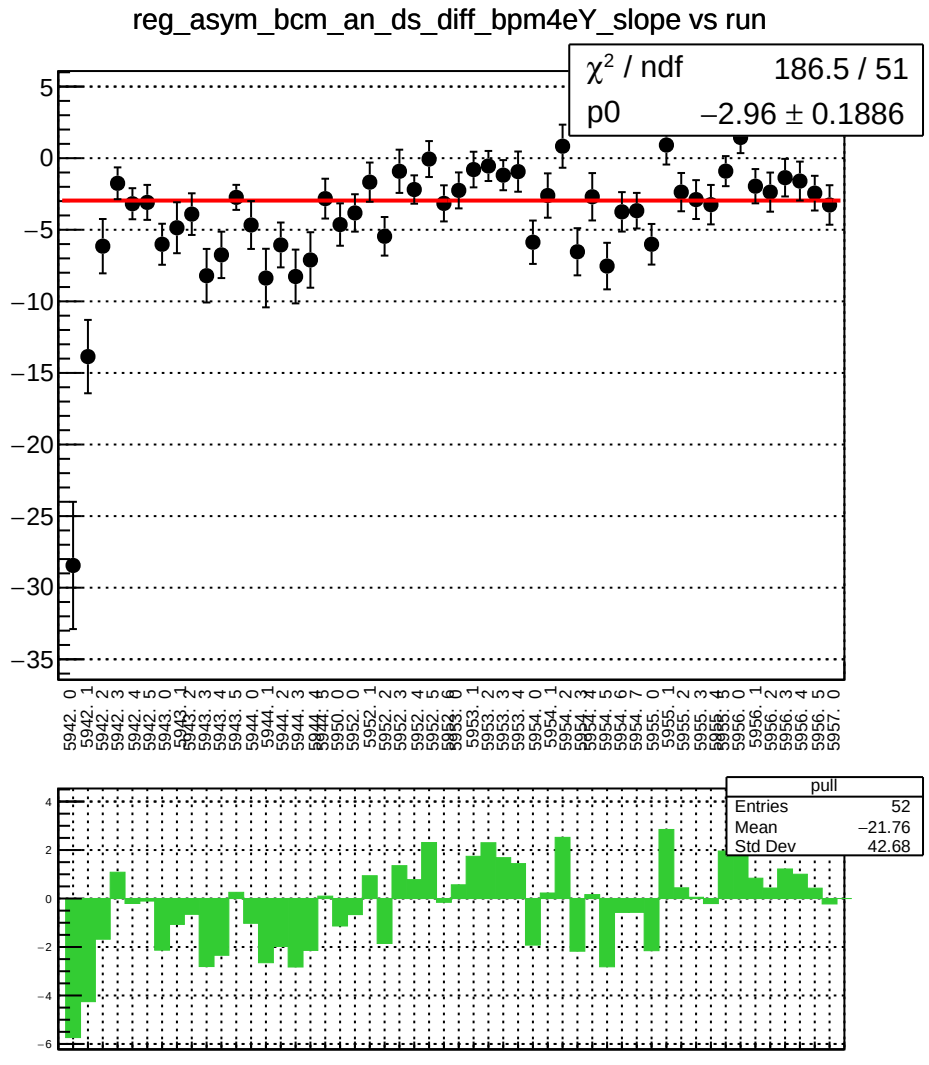

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 68.11 / 51
p0 0.2175 ± 0.01732
pull
Entries 52
Mean −10.5
Std Dev 31.46
pull1D
Entries 52
Mean 0.1474
Std Dev 1.135

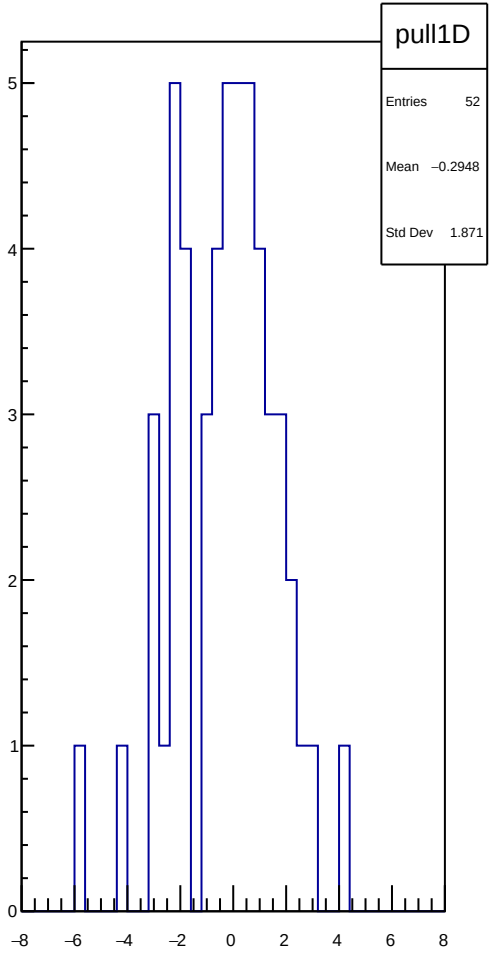

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 43.51 / 51
p0 2.041 ± 0.3919
pull
Entries 52
Mean −24.73
Std Dev 38.73
pull1D
Entries 52
Mean 0.07151
Std Dev 0.912

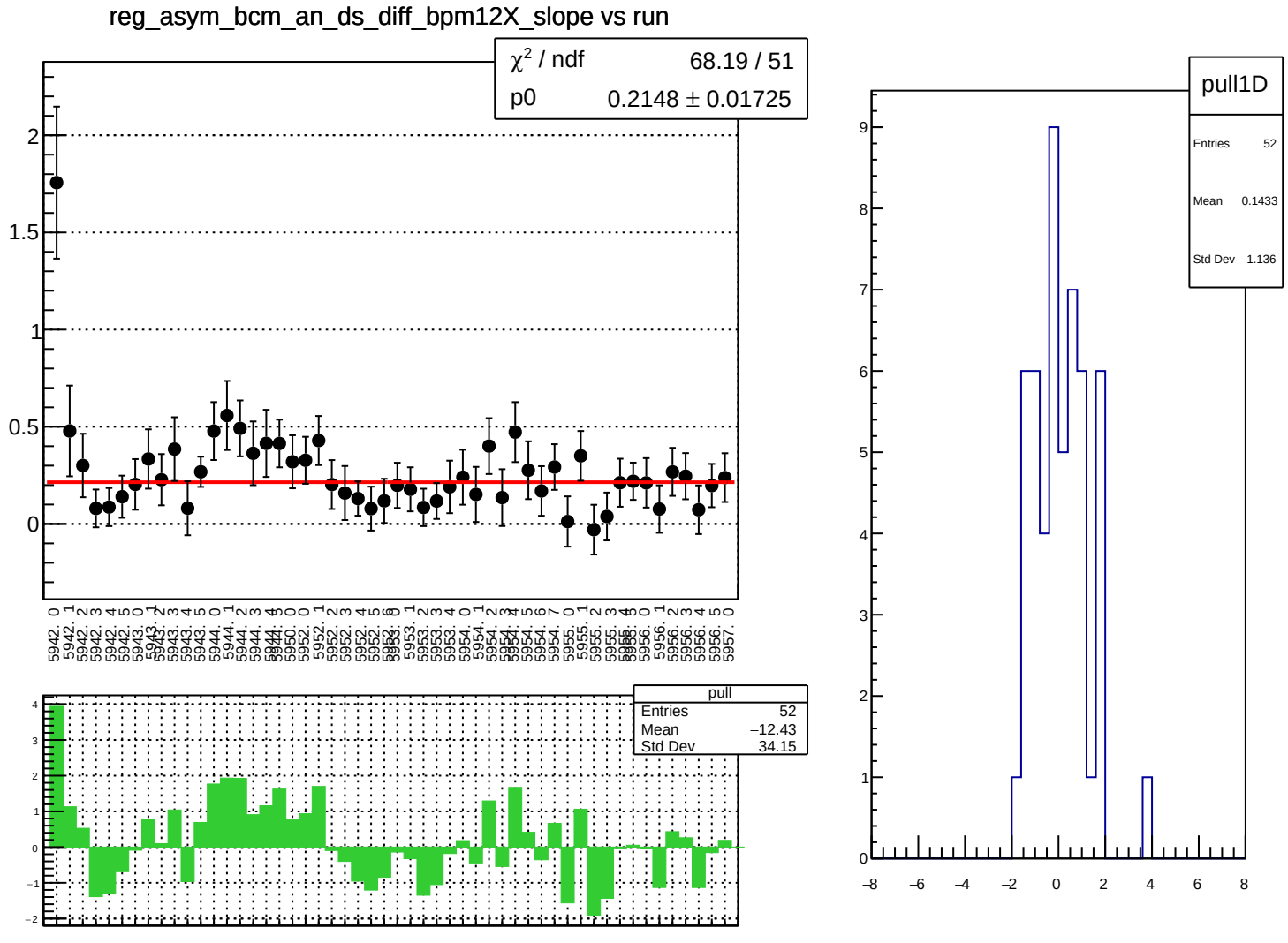

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 164.4 / 51
p0 1.857 ± 0.1447
pull
Entries 52
Mean −20.47
Std Dev 41.21

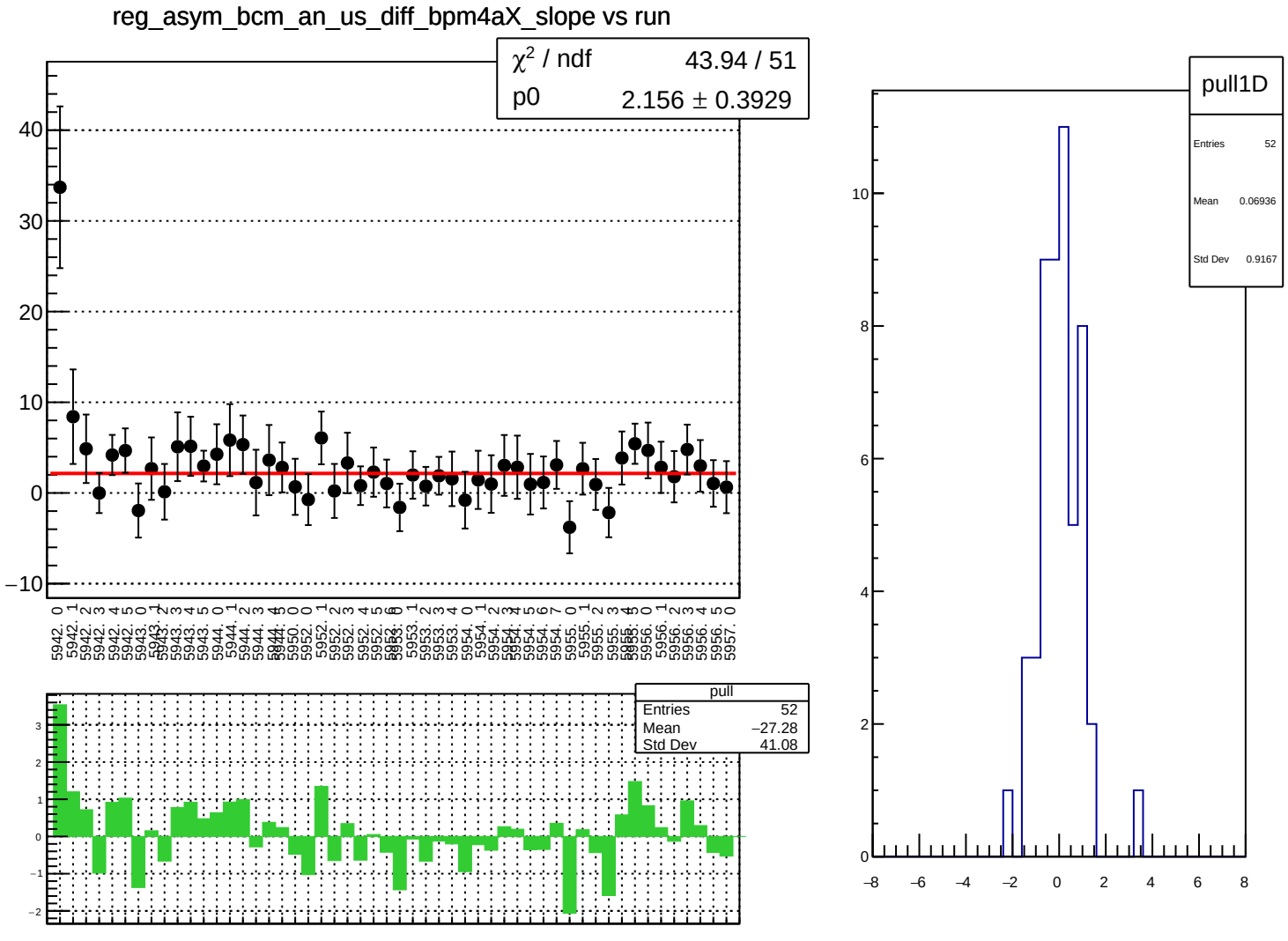

pull1D
Entries 52
Mean 0.2699
Std Dev 1.758

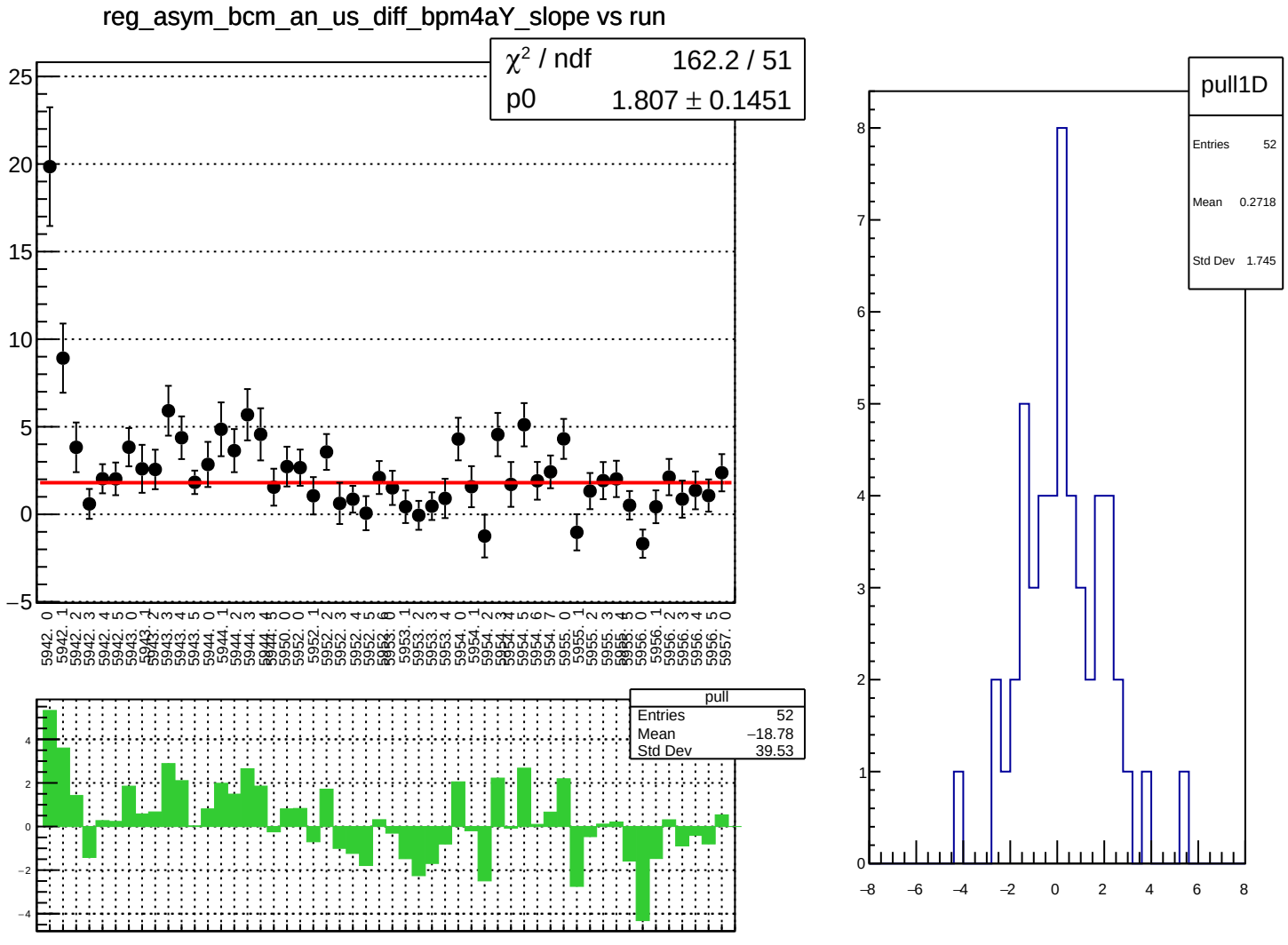

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 42.41 / 51
p0 −1.853 ± 0.4158
pull
Entries 52
Mean −26.07
Std Dev 39.13
pull1D
Entries 52
Mean −0.06259
Std Dev 0.901

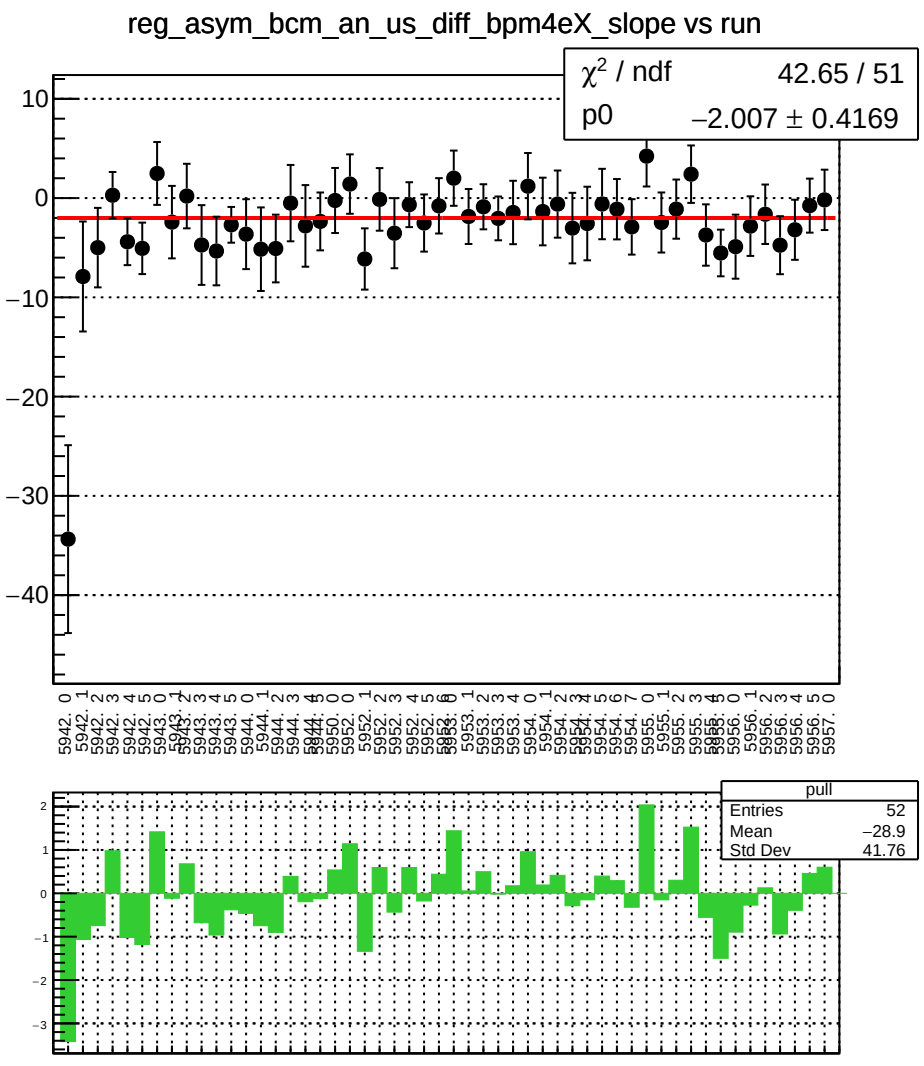

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 186.5 / 51
p0 −2.96 ± 0.1886
pull
Entries 52
Mean −21.76
Std Dev 42.68

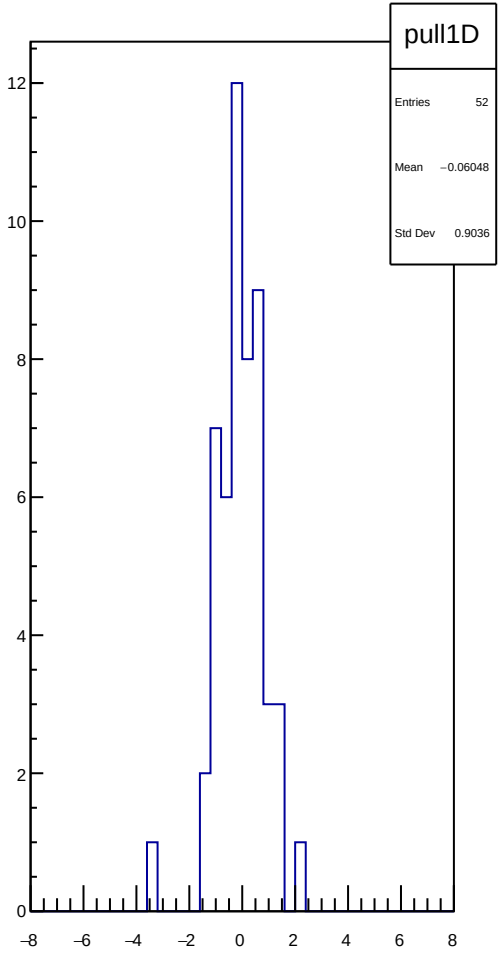

pull1D
Entries 52
Mean −0.2948
Std Dev 1.871

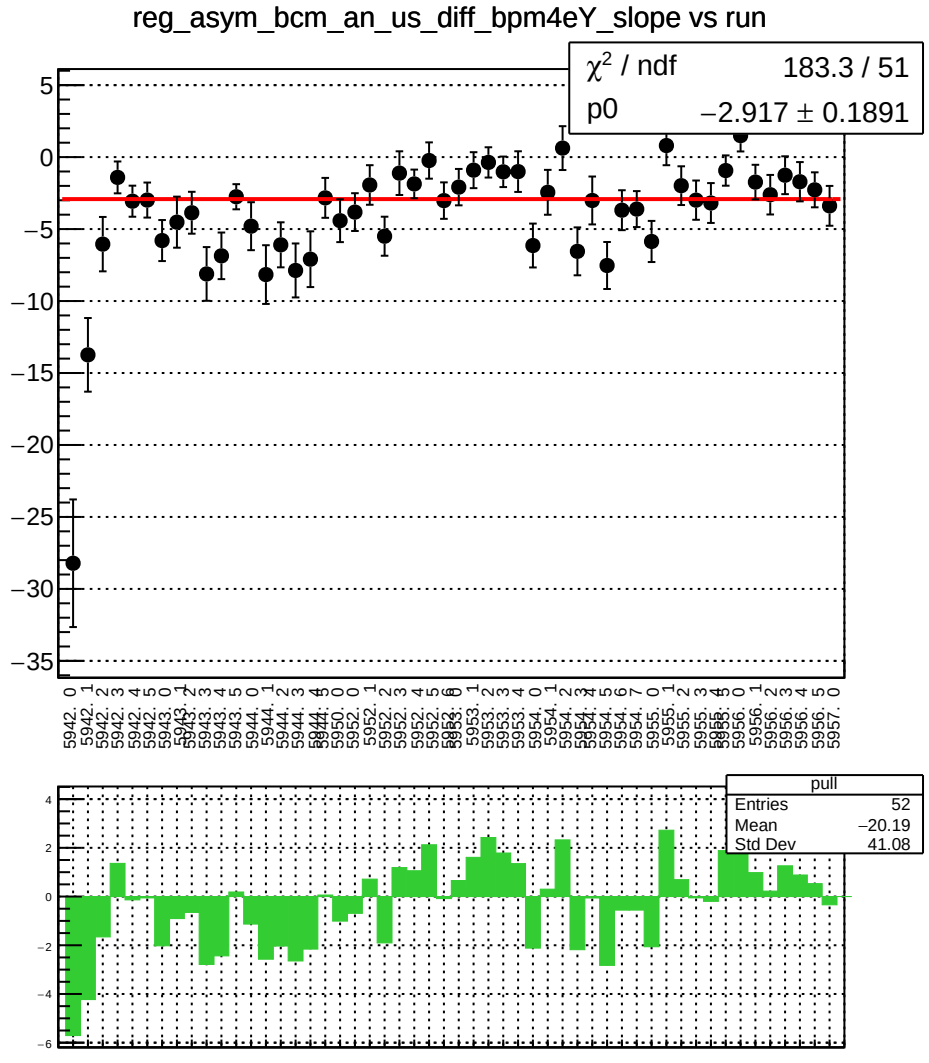

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 68.19 / 51
p0 0.2148 ± 0.01725
pull
Entries 52
Mean −12.43
Std Dev 34.15
pull1D
Entries 52
Mean 0.1433
Std Dev 1.136

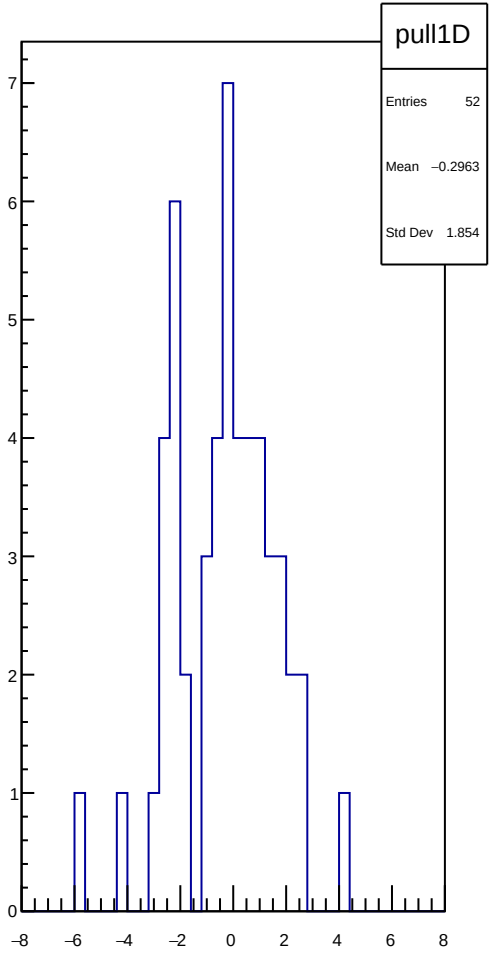

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 43.94 / 51
p0 2.156 ± 0.3929
pull
Entries 52
Mean −27.28
Std Dev 41.08
pull1D
Entries 52
Mean 0.06936
Std Dev 0.9167

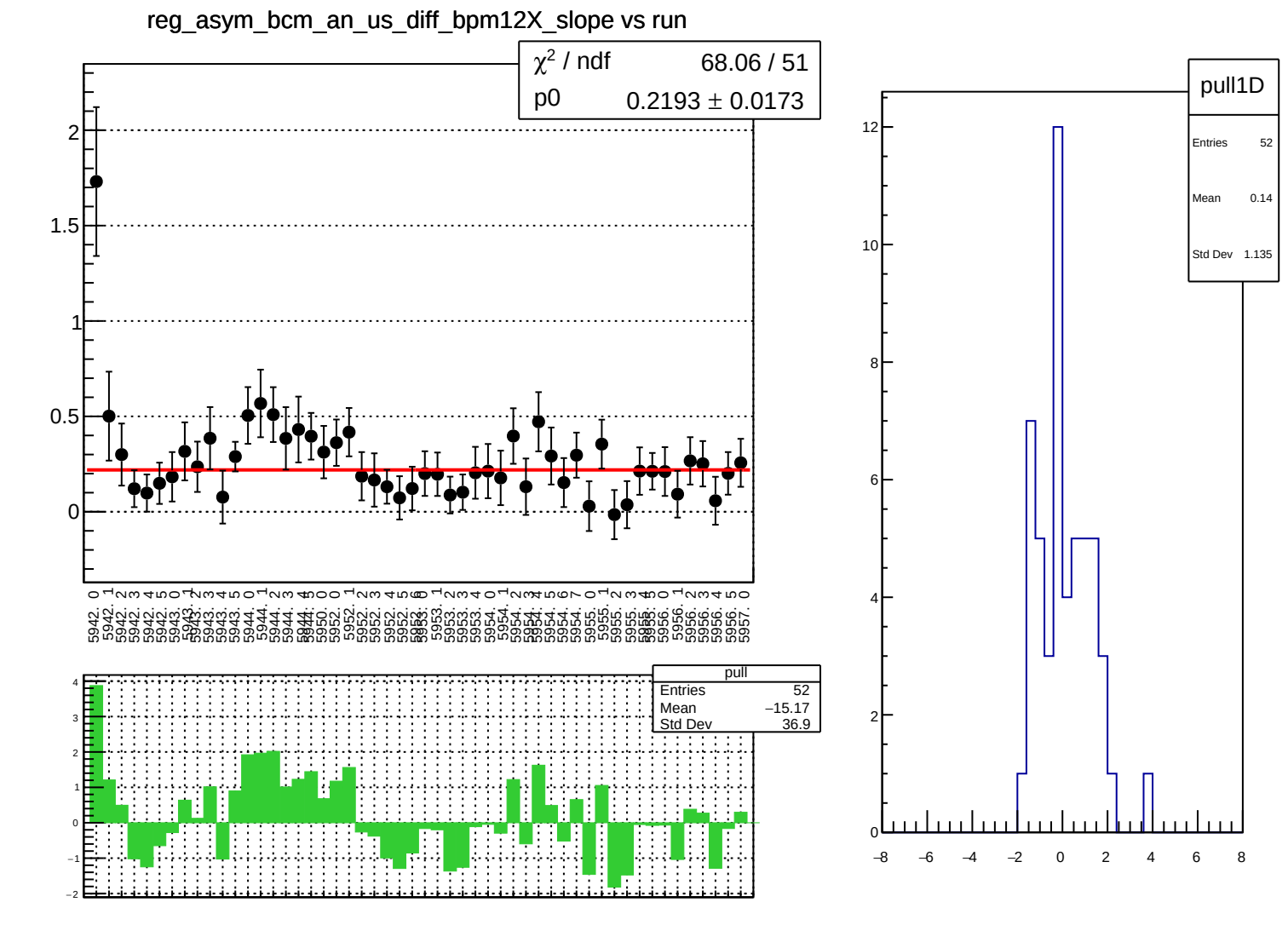

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 162.2 / 51
p0 1.807 ± 0.1451
pull
Entries 52
Mean −18.78
Std Dev 39.53
pull1D
Entries 52
Mean 0.2718
Std Dev 1.745

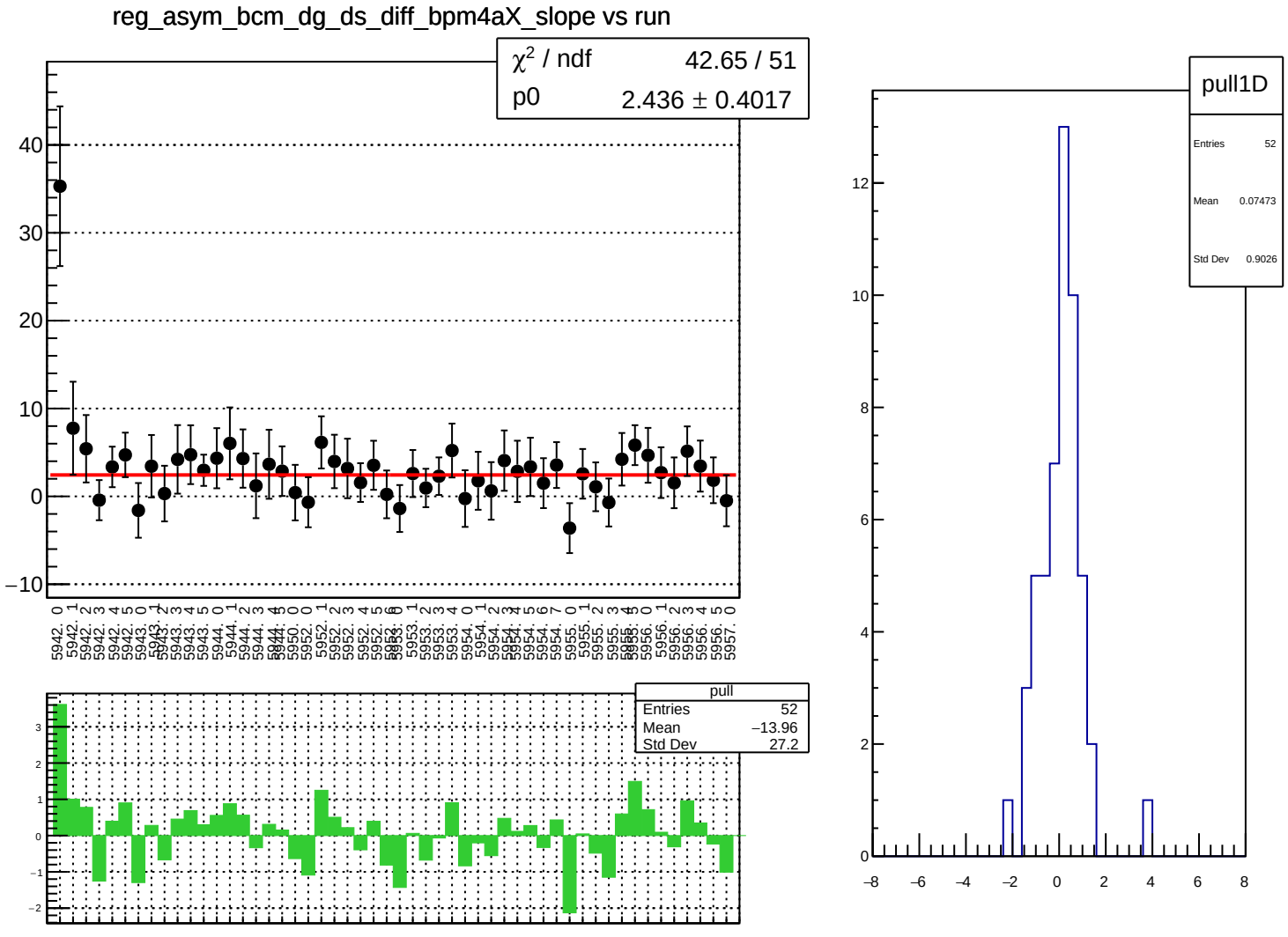

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 42.65 / 51
p0 −2.007 ± 0.4169
pull
Entries 52
Mean −28.9
Std Dev 41.76

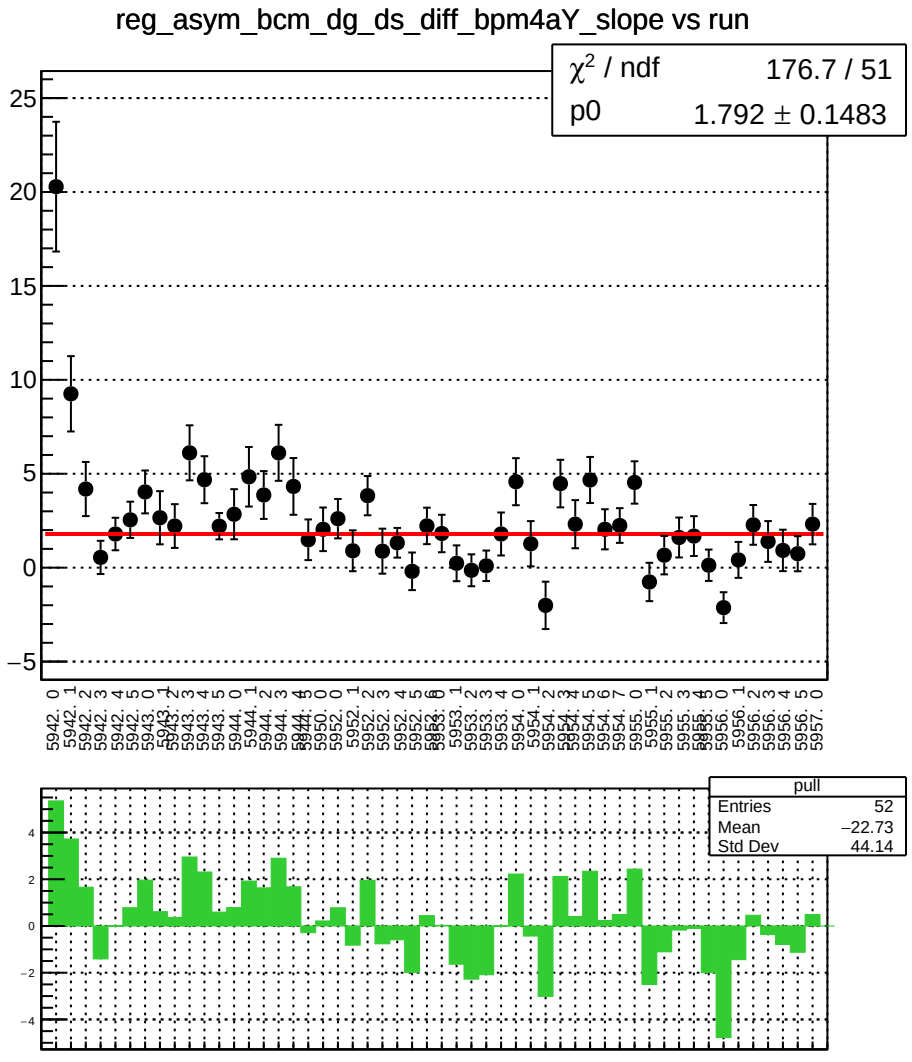

pull1D
Entries 52
Mean −0.06048
Std Dev 0.9036

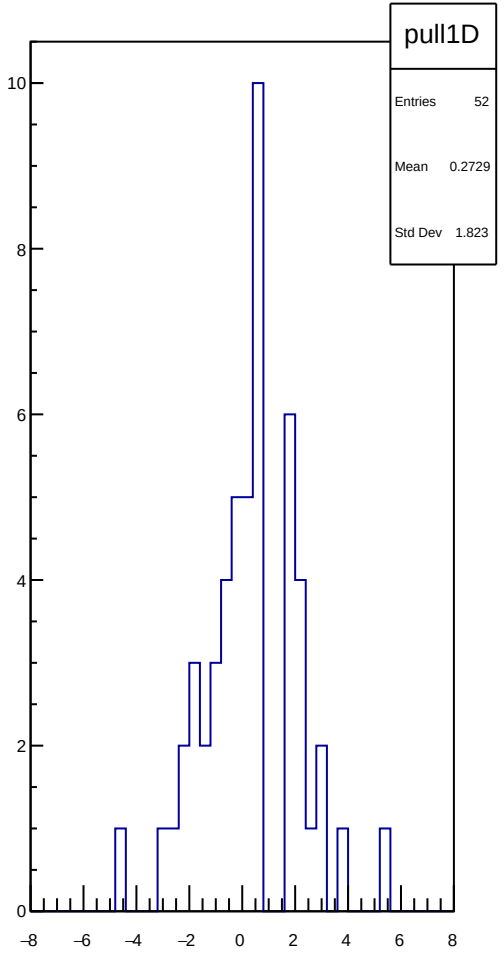

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 183.3 / 51
p0 −2.917 ± 0.1891
pull
Entries 52
Mean −20.19
Std Dev 41.08

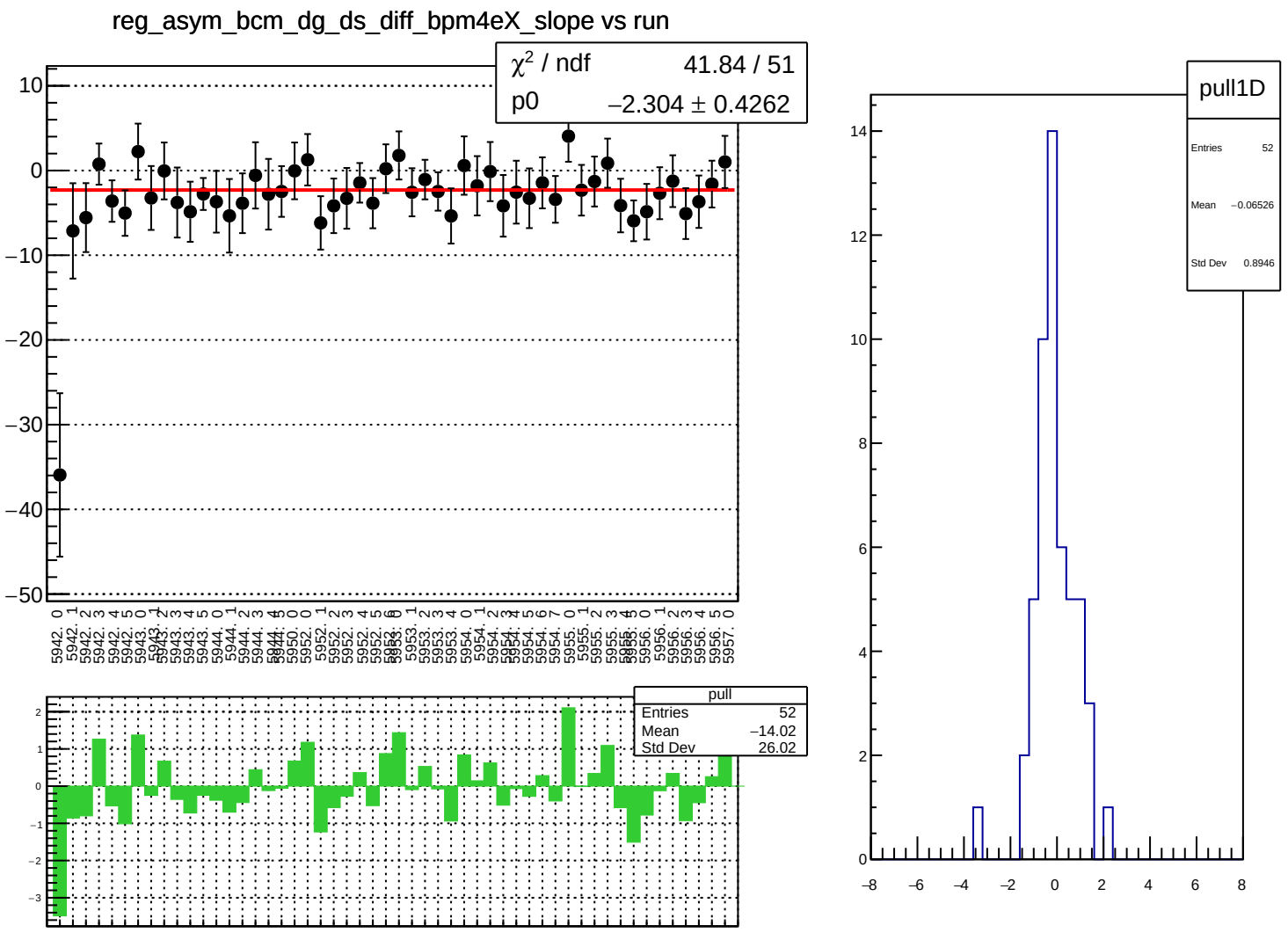

pull1D
Entries 52
Mean −0.2963
Std Dev 1.854

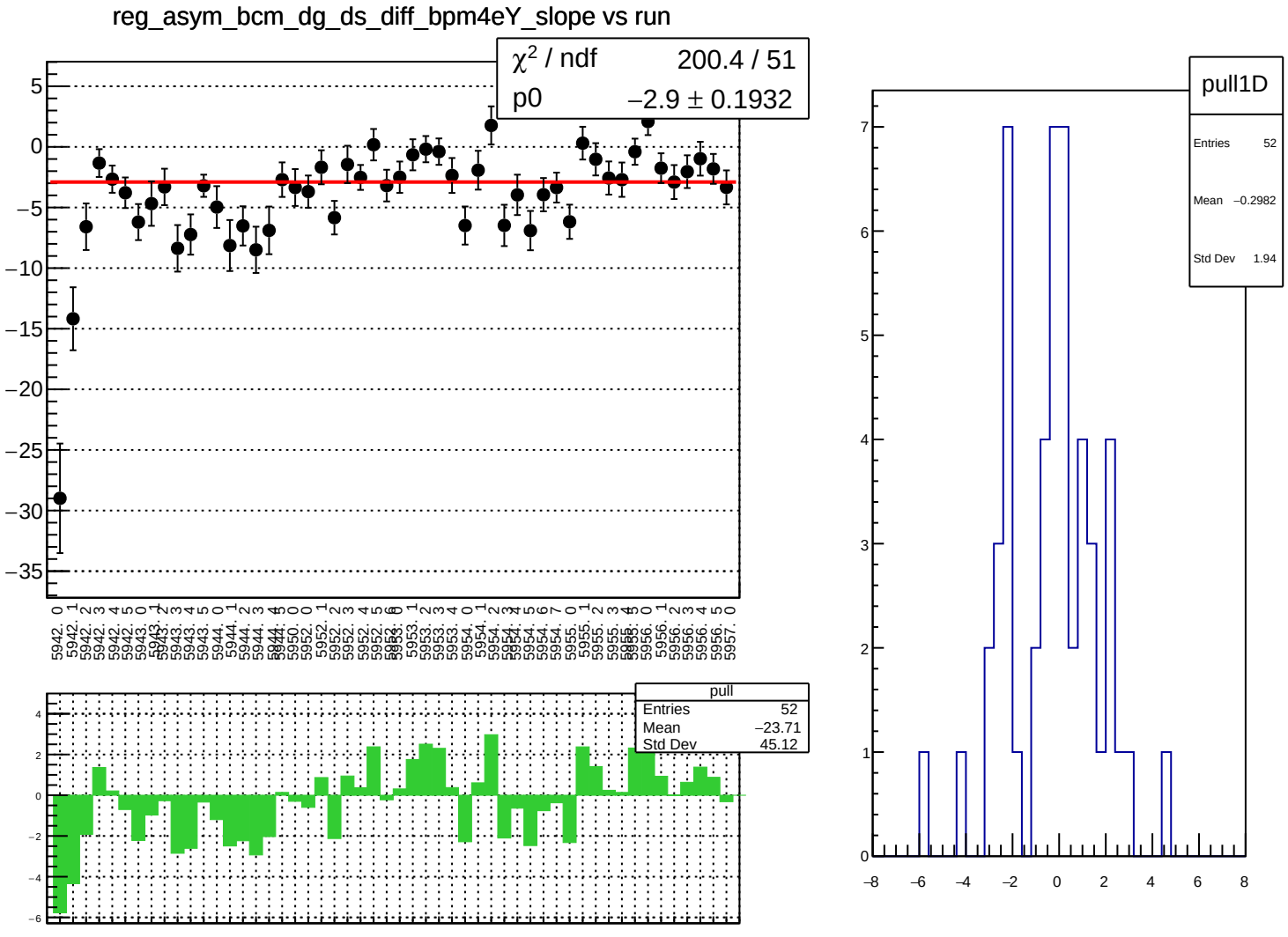

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 68.06 / 51
p0 0.2193 ± 0.0173
pull
Entries 52
Mean −15.17
Std Dev 36.9
pull1D
Entries 52
Mean 0.14
Std Dev 1.135

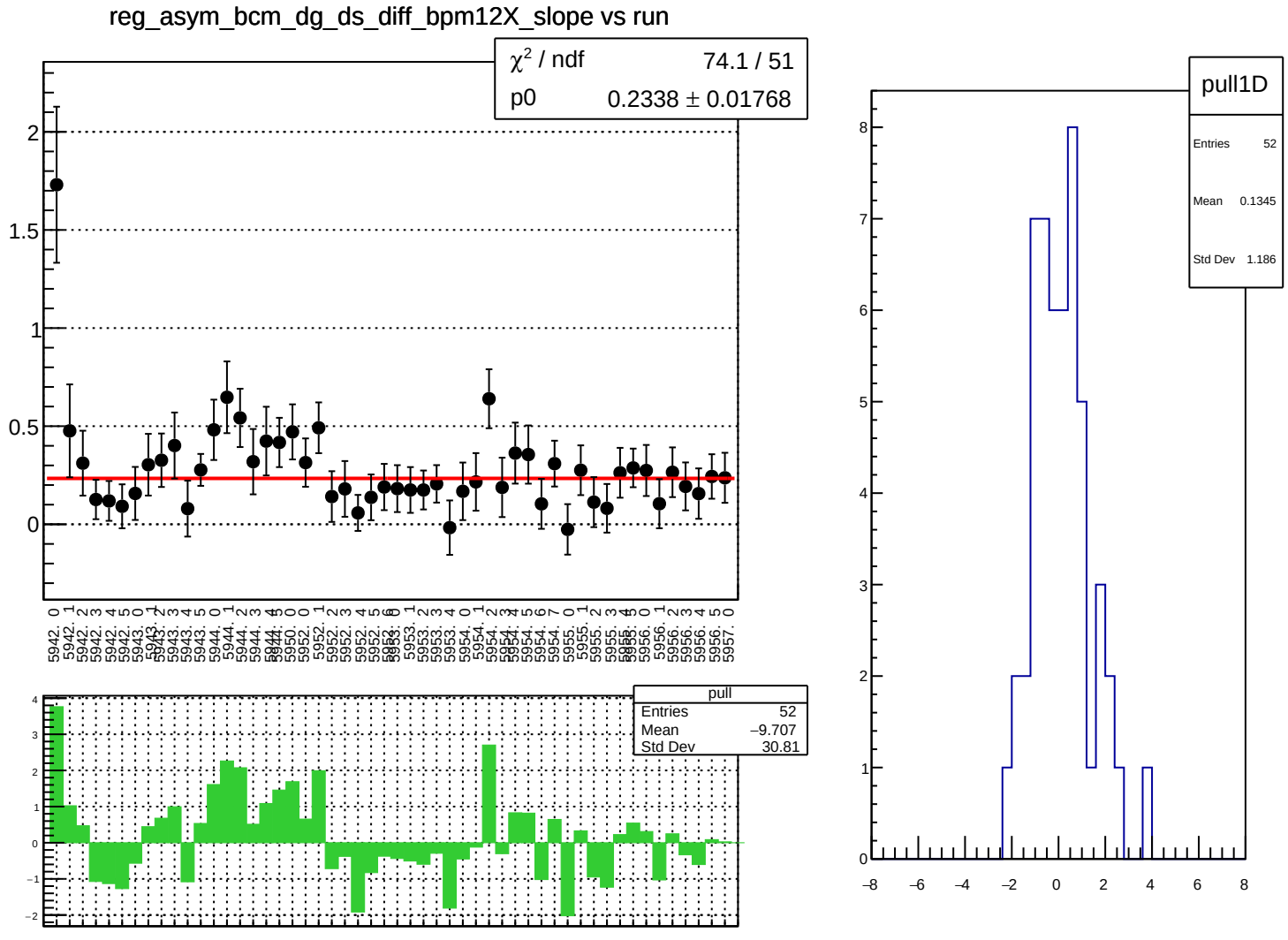

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 42.65 / 51
p0 2.436 ± 0.4017
pull
Entries 52
Mean −13.96
Std Dev 27.2
pull1D
Entries 52
Mean 0.07473
Std Dev 0.9026

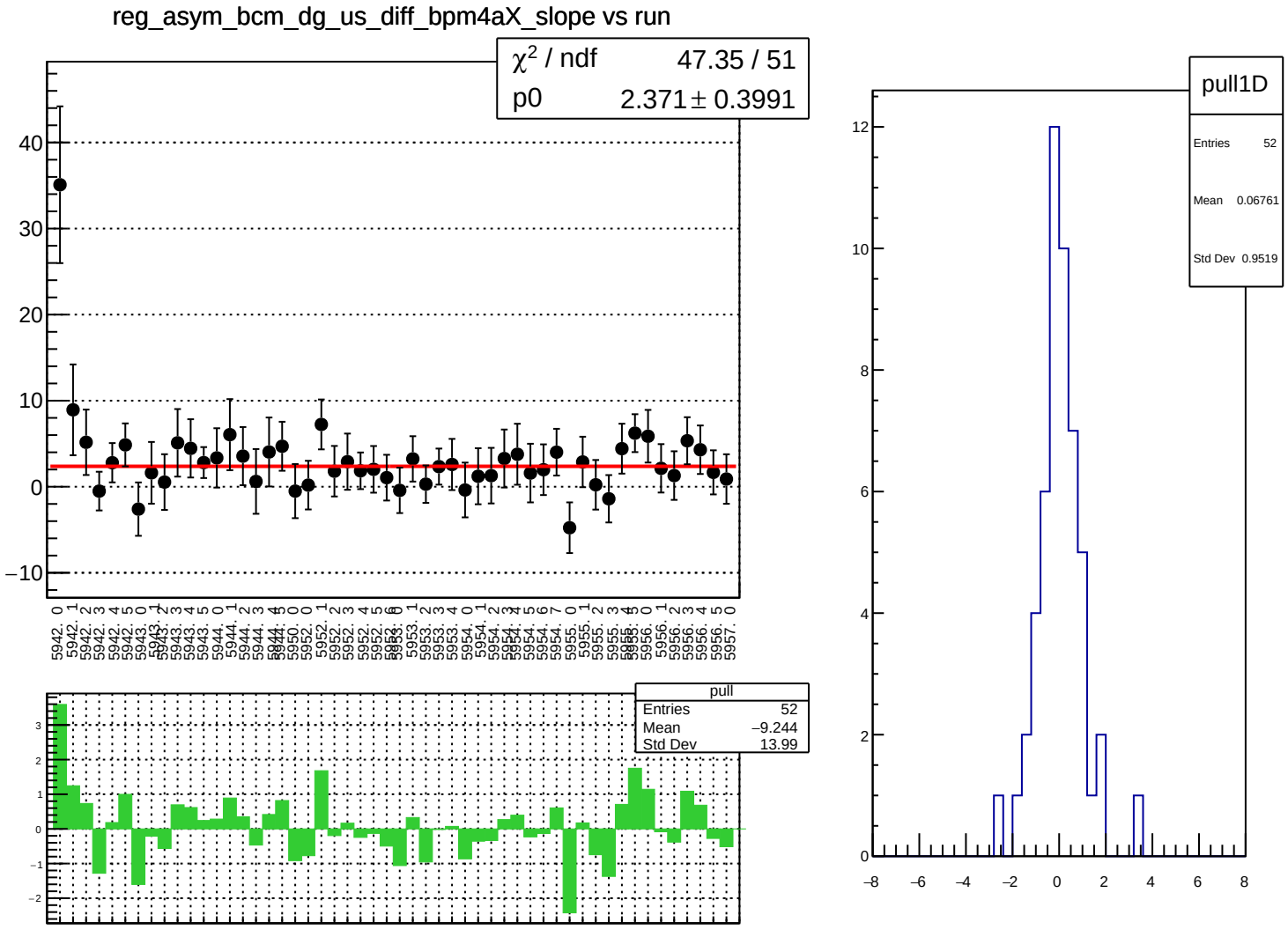

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 176.7 / 51
p0 1.792 ± 0.1483
pull
Entries 52
Mean −22.73
Std Dev 44.14

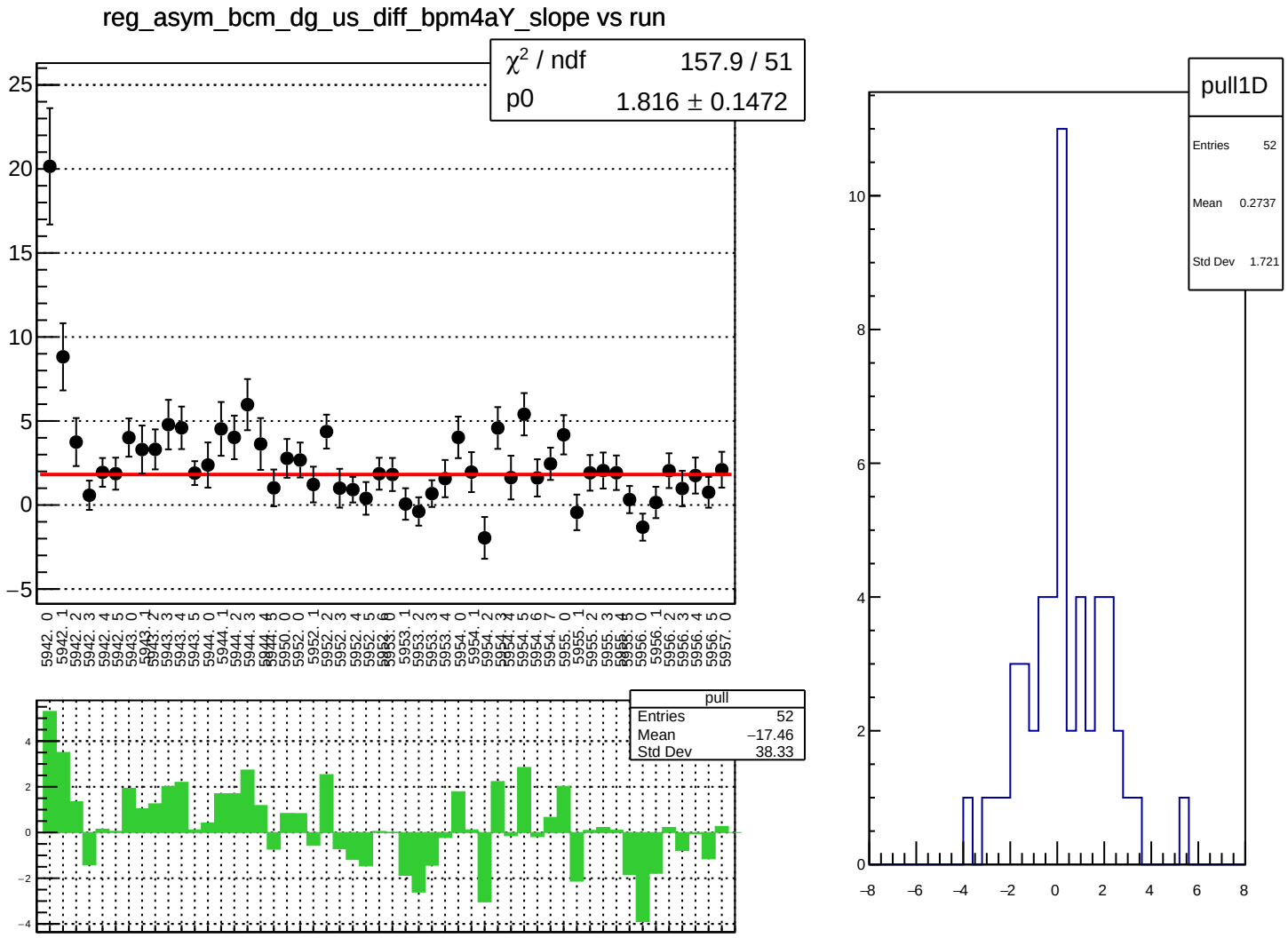

pull1D
Entries 52
Mean 0.2729
Std Dev 1.823

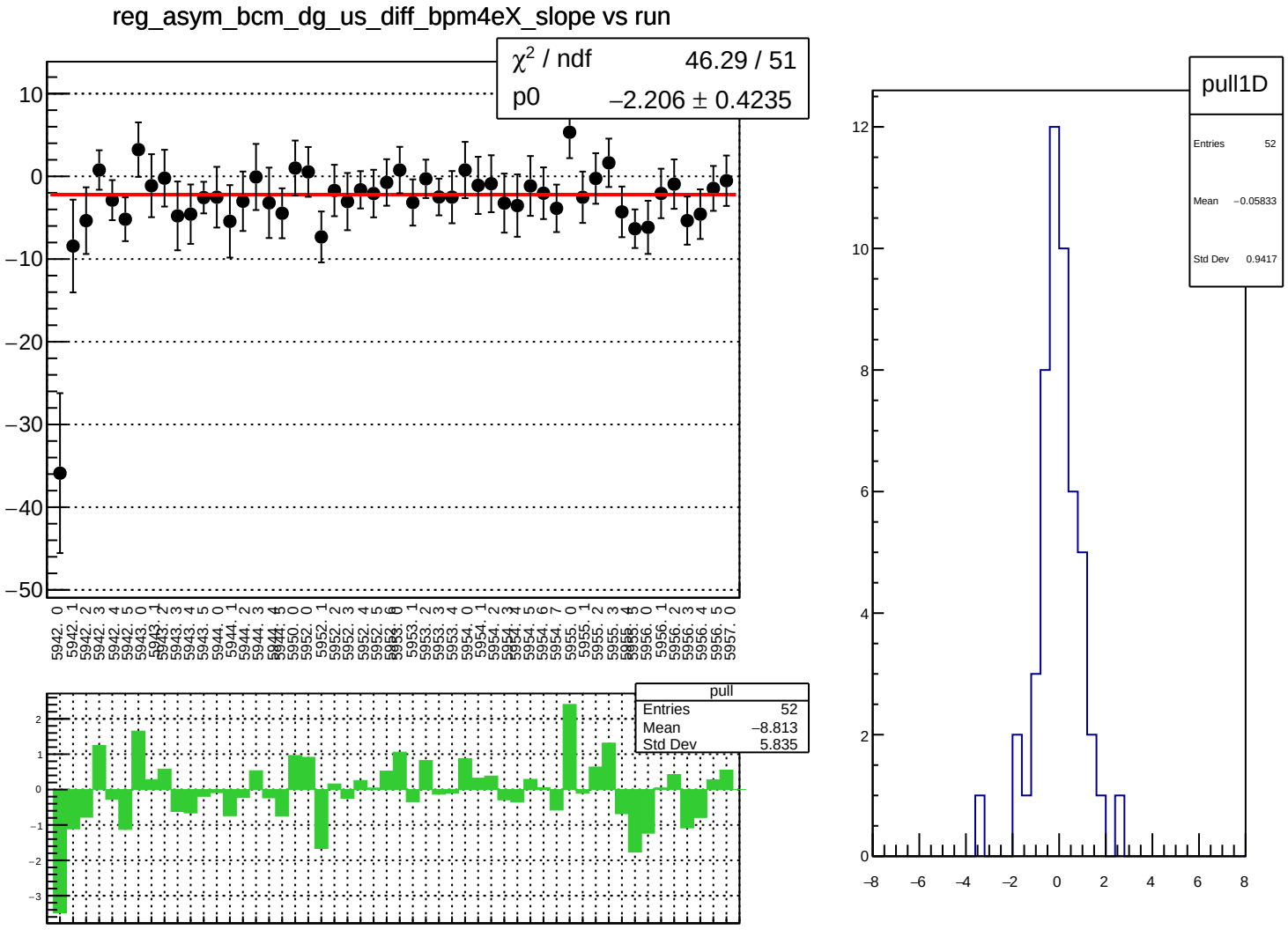

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 41.84 / 51
p0 −2.304 ± 0.4262
pull
Entries 52
Mean −14.02
Std Dev 26.02
pull1D
Entries 52
Mean −0.06526
Std Dev 0.8946

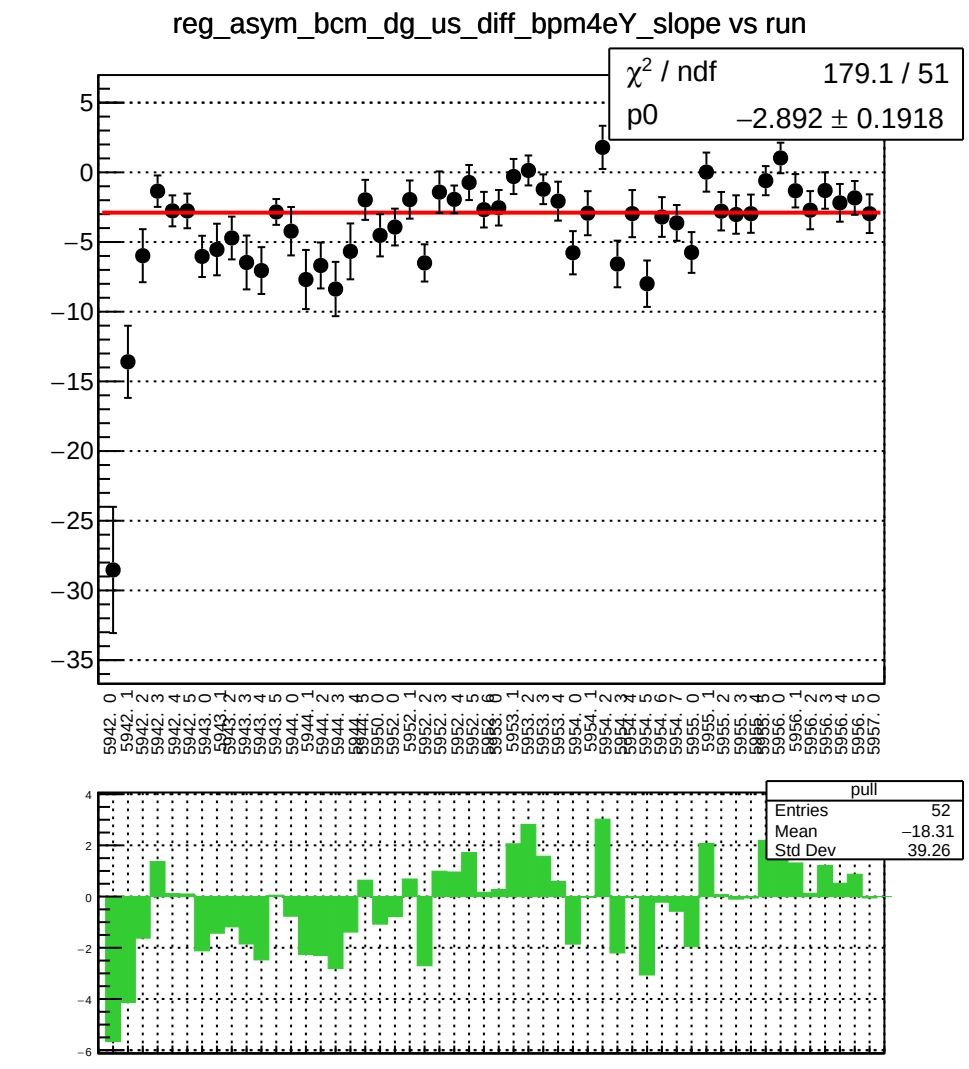

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 200.4 / 51
p0 −2.9 ± 0.1932
pull
Entries 52
Mean −23.71
Std Dev 45.12
pull1D
Entries 52
Mean −0.2982
Std Dev 1.94

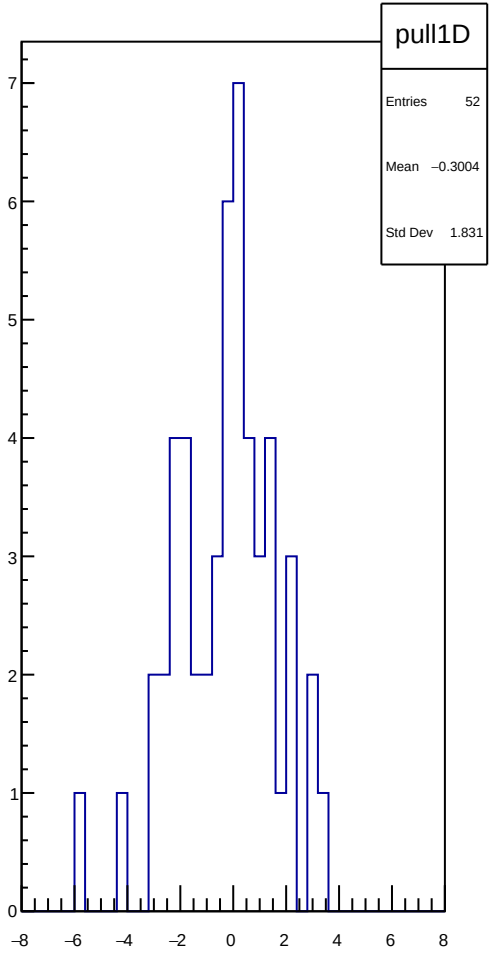

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 74.1 / 51
p0 0.2338 ± 0.01768
pull
Entries 52
Mean −9.707
Std Dev 30.81
pull1D
Entries 52
Mean 0.1345
Std Dev 1.186

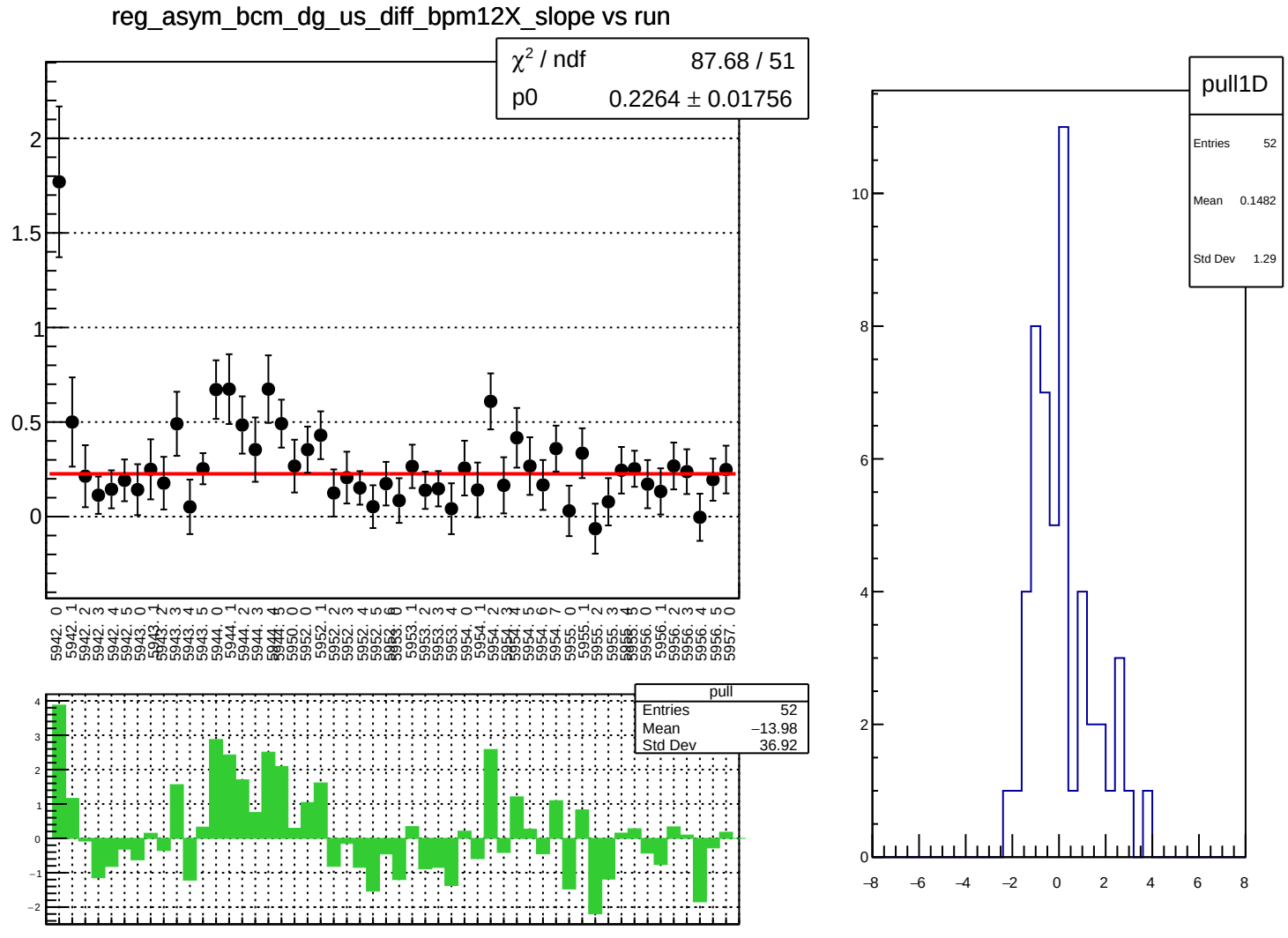

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 47.35 / 51
p0 2.371 ± 0.3991
pull
Entries 52
Mean −9.244
Std Dev 13.99
pull1D
Entries 52
Mean 0.06761
Std Dev 0.9519


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 157.9 / 51
p0 1.816 ± 0.1472
pull
Entries 52
Mean −17.46
Std Dev 38.33
pull1D
Entries 52
Mean 0.2737
Std Dev 1.721


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 46.29 / 51
p0 −2.206 ± 0.4235
pull
Entries 52
Mean −8.813
Std Dev 5.835
pull1D
Entries 52
Mean −0.05833
Std Dev 0.9417


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 179.1 / 51
p0 −2.892 ± 0.1918
pull
Entries 52
Mean −18.31
Std Dev 39.26


pull1D
Entries 52
Mean −0.3004
Std Dev 1.831


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 87.68 / 51
p0 0.2264 ± 0.01756
pull
Entries 52
Mean −13.98
Std Dev 36.92
pull1D
Entries 52
Mean 0.1482
Std Dev 1.29